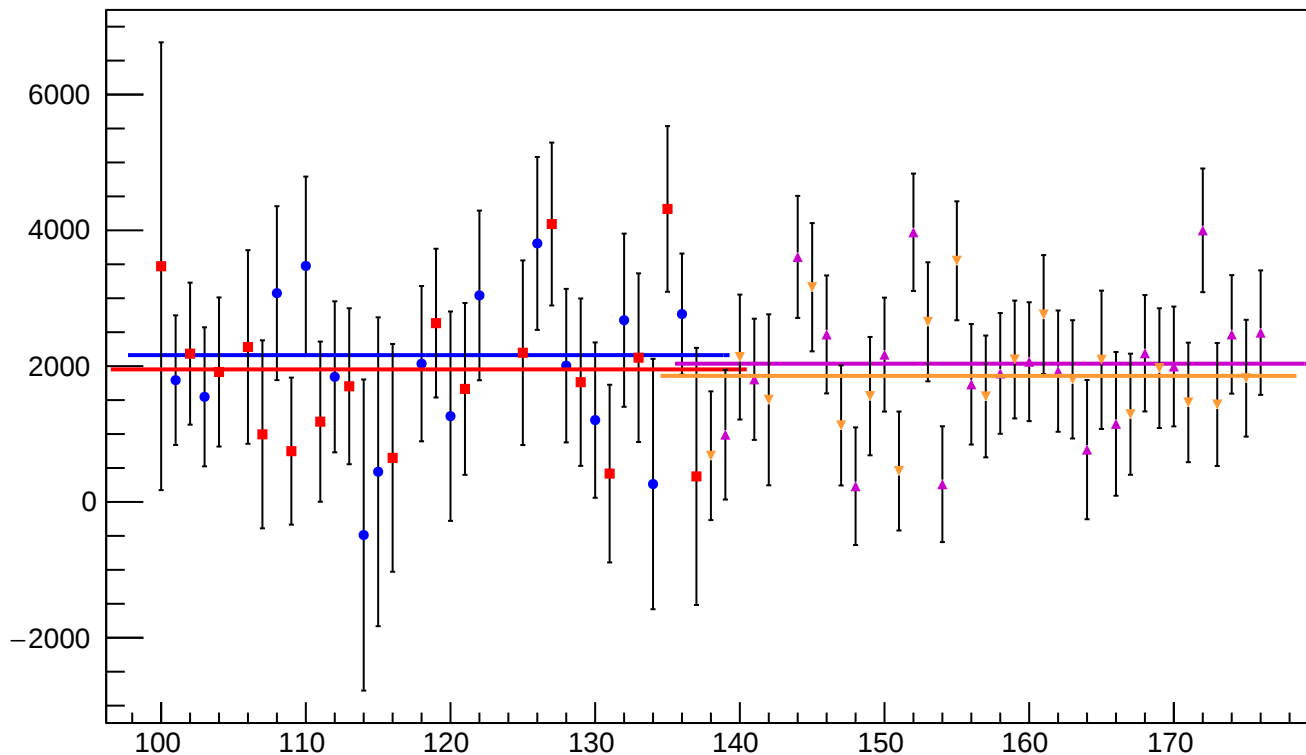


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

Left Out: 1856.887+/-208.020

Right Out: 1952.148+/-300.581

Left In: 2036.228+/-205.550

χ^2/NDF : 8.9/15

χ^2/NDF :13.7/18

χ^2/NDF : 12.6/17

χ^2/NDF :25.8/18

Left: 1947.629+/-146.211

Right: 2054.903+/-214.883

In: 2075.200+/-170.854

Out: 1887.737+/-171.052

χ^2/NDF : 39.9/37

χ^2/NDF : 21.8/33

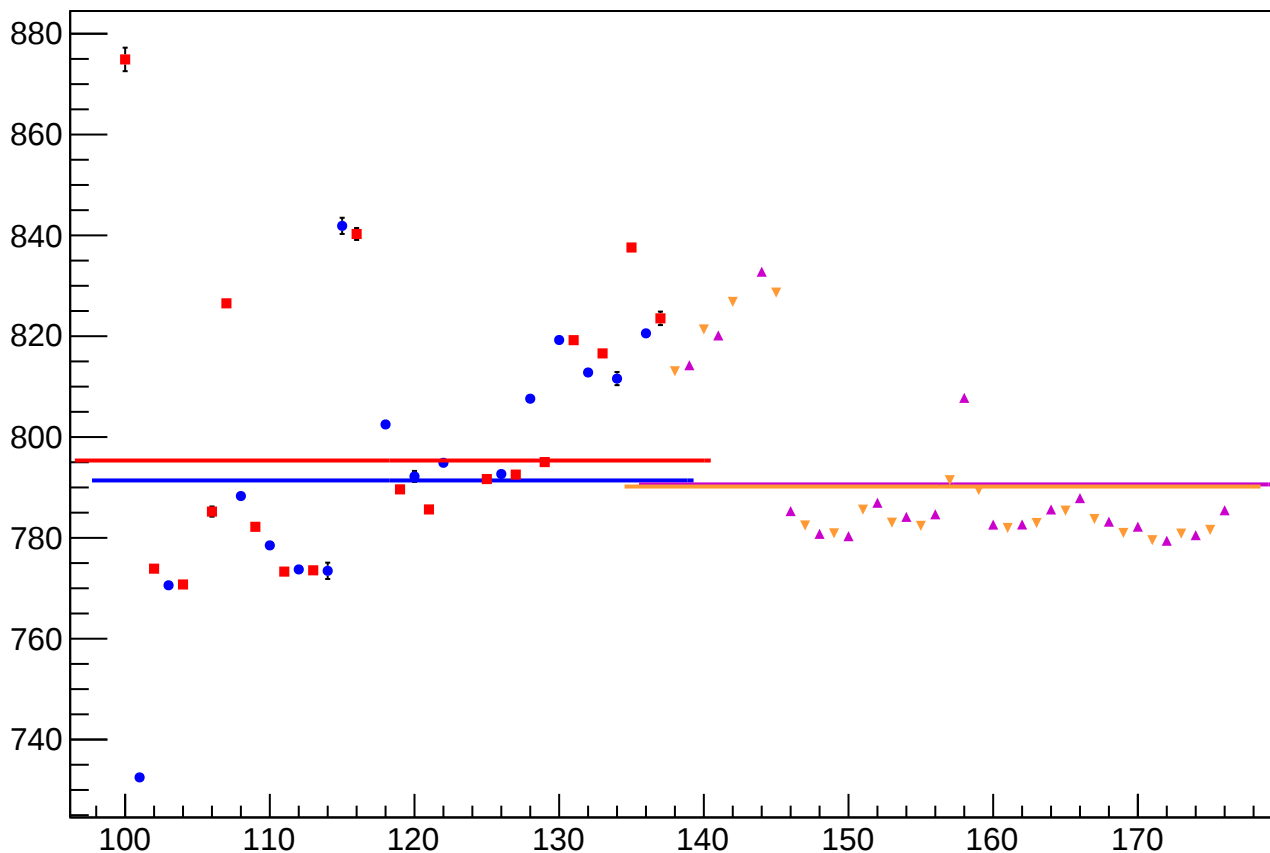
χ^2/NDF :34.9/34

χ^2/NDF :26.4/36

All: 1981.577+/-120.882

χ^2/NDF : 61.9/71

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 790.182 +/- 0.147 χ^2/NDF : 10582.3/18

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

Left In: 790.603 +/- 0.145 χ^2/NDF : 10779.7/18

Left: 790.395 +/- 0.103 χ^2/NDF : 21366.2/37

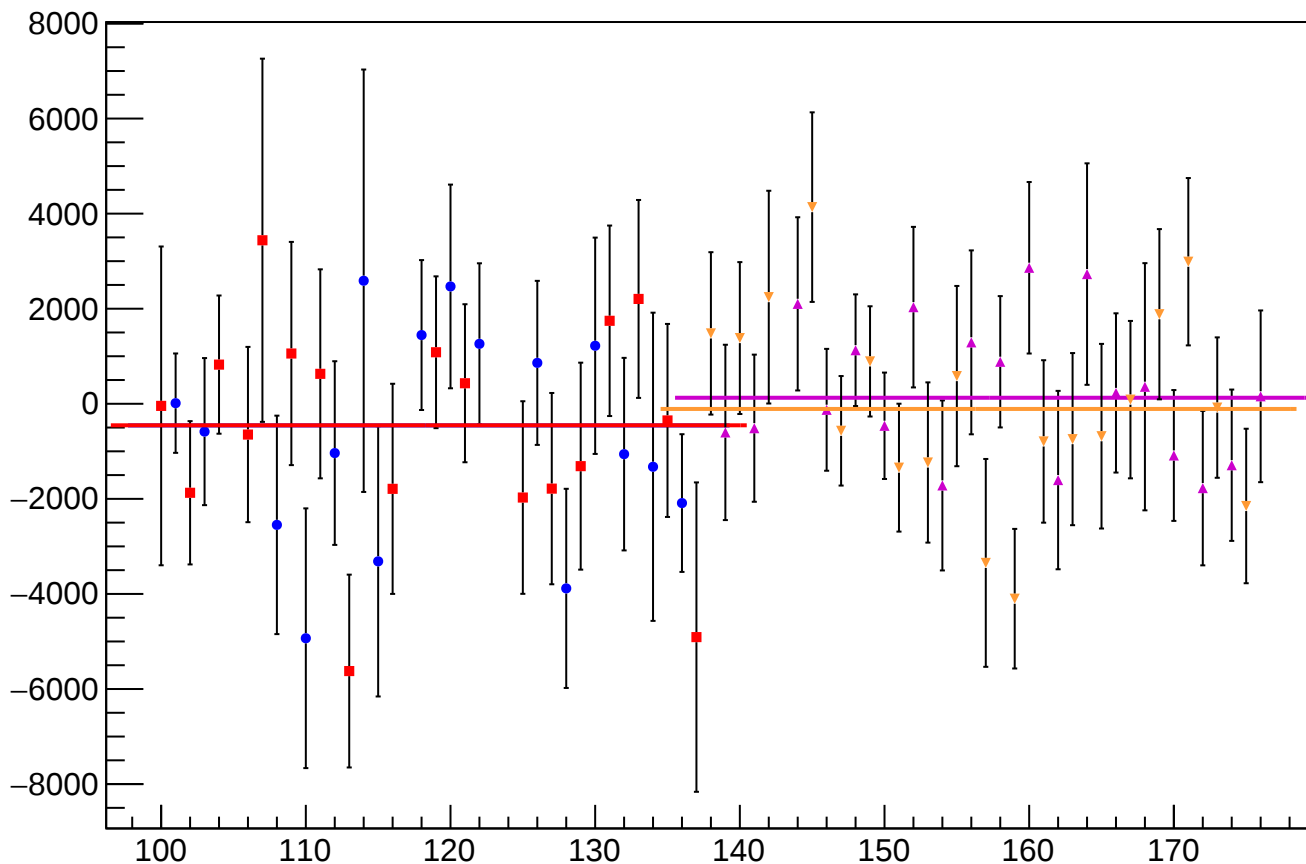
Right: 793.411 +/- 0.152 χ^2/NDF : 26737.3/33

In: 790.846 +/- 0.121 χ^2/NDF : 25797.1/34

Out: 791.854 +/- 0.121 χ^2/NDF : 22541.1/36

All: 791.349 +/- 0.085 χ^2/NDF : 48372.9/71

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -108.502+/-370.405 χ^2/NDF : 25.6/18

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

Left In: 126.702+/-365.440 χ^2/NDF : 12.9/18

Left: 10.687+/-260.143 χ^2/NDF : 38.7/37

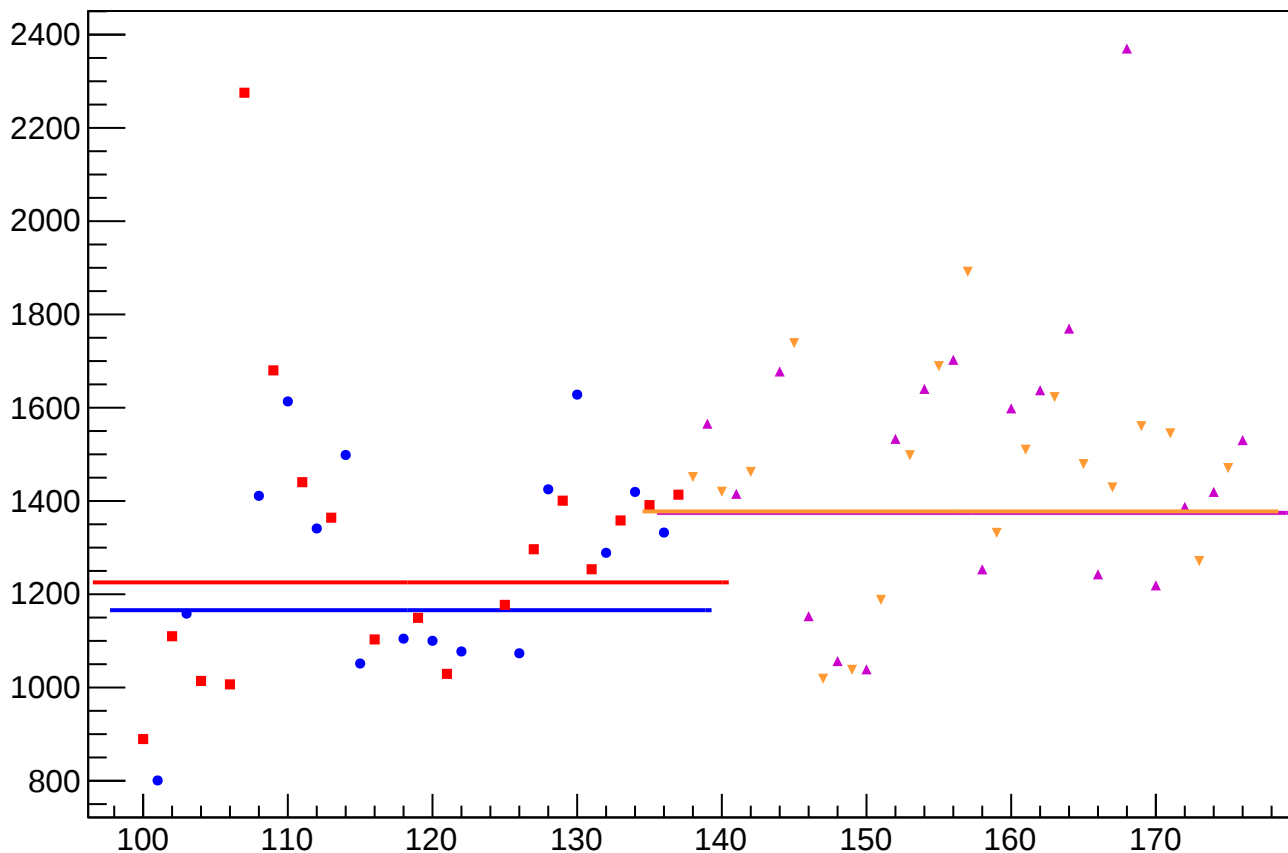
Right: -454.187+/-331.236 χ^2/NDF : 32.2/33

In: -96.110+/-287.146 χ^2/NDF : 28.7/34

Out: -239.403+/-291.570 χ^2/NDF : 43.2/36

All: -166.661+/-204.589 χ^2/NDF : 72.1/71

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1377.609 $\pm$ 0.262 χ^2 /NDF: 767516.7/18

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

Left In: 1374.472 $\pm$ 0.258 χ^2 /NDF: 1074696.0/18

Left: 1376.019 $\pm$ 0.184 χ^2 /NDF: 1842285.4/37

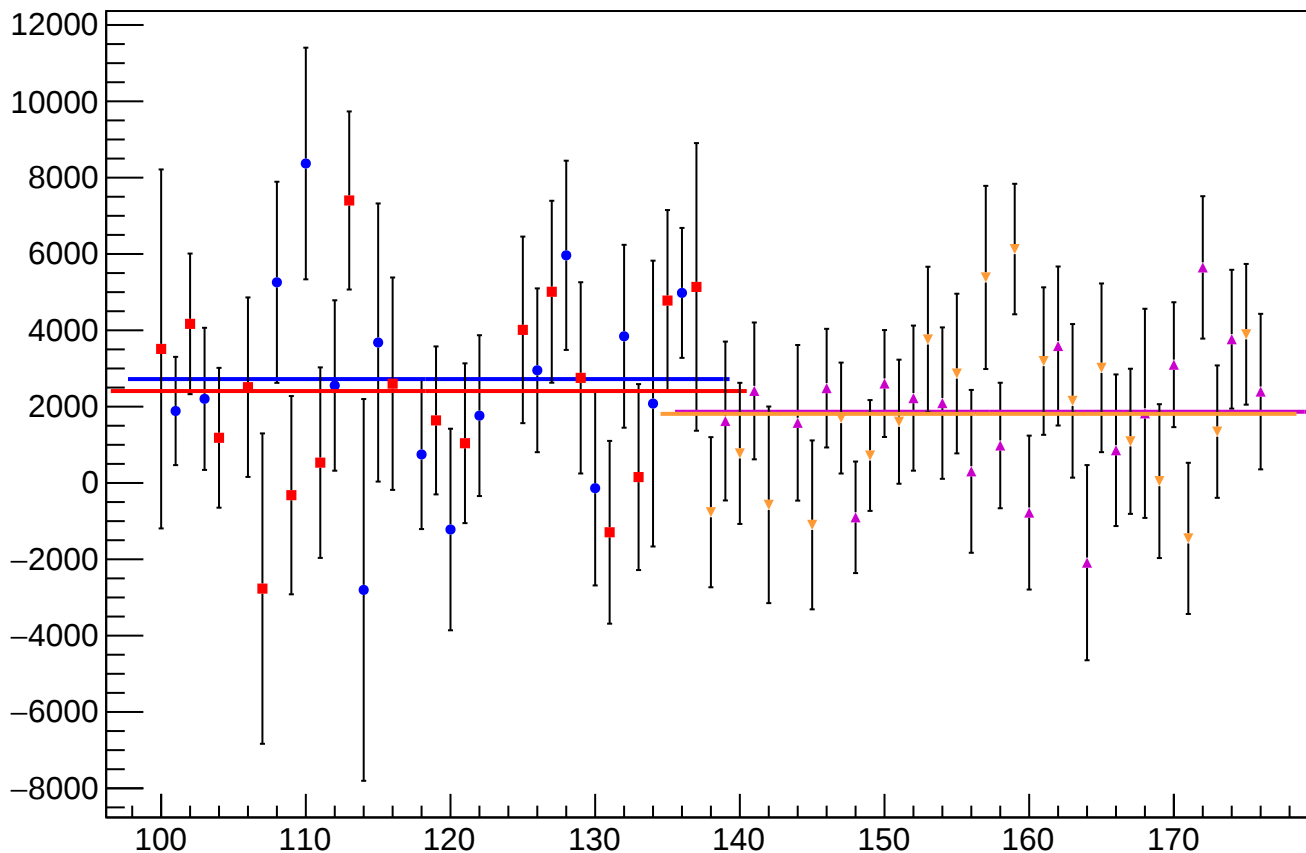
Right: 1195.087 $\pm$ 0.234 χ^2 /NDF: 983424.3/33

In: 1294.641 $\pm$ 0.203 χ^2 /NDF: 1850964.8/34

Out: 1319.732 $\pm$ 0.206 χ^2 /NDF: 1336313.8/36

All: 1306.994 $\pm$ 0.145 χ^2 /NDF: 3194797.3/71

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1811.304+/-431.300 χ^2/NDF : 20.9/18

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

Left In: 1865.959+/-425.831 χ^2/NDF : 15.9/18

Left: 1838.980+/-303.023 χ^2/NDF : 36.8/37

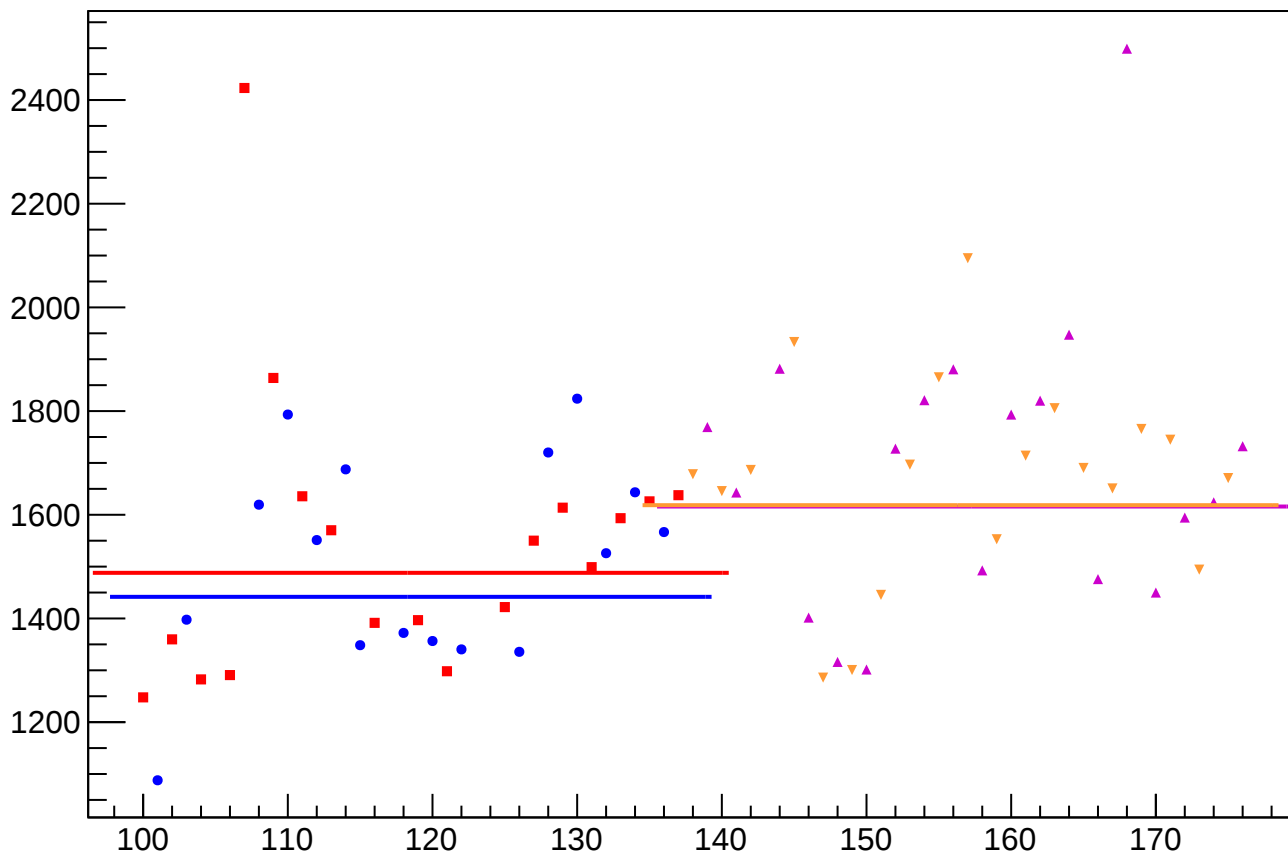
Right: 2565.881+/-401.681 χ^2/NDF : 31.0/33

In: 2174.677+/-340.530 χ^2/NDF : 31.9/34

Out: 2029.213+/-343.711 χ^2/NDF : 37.9/36

All: 2102.621+/-241.908 χ^2/NDF : 69.9/71

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1618.509+/-0.305 χ^2/NDF : 435897.5/18

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

Left In: 1615.917+/-0.301 χ^2/NDF : 651815.4/18

Left: 1617.197+/-0.214 χ^2/NDF : 1087749.4/37

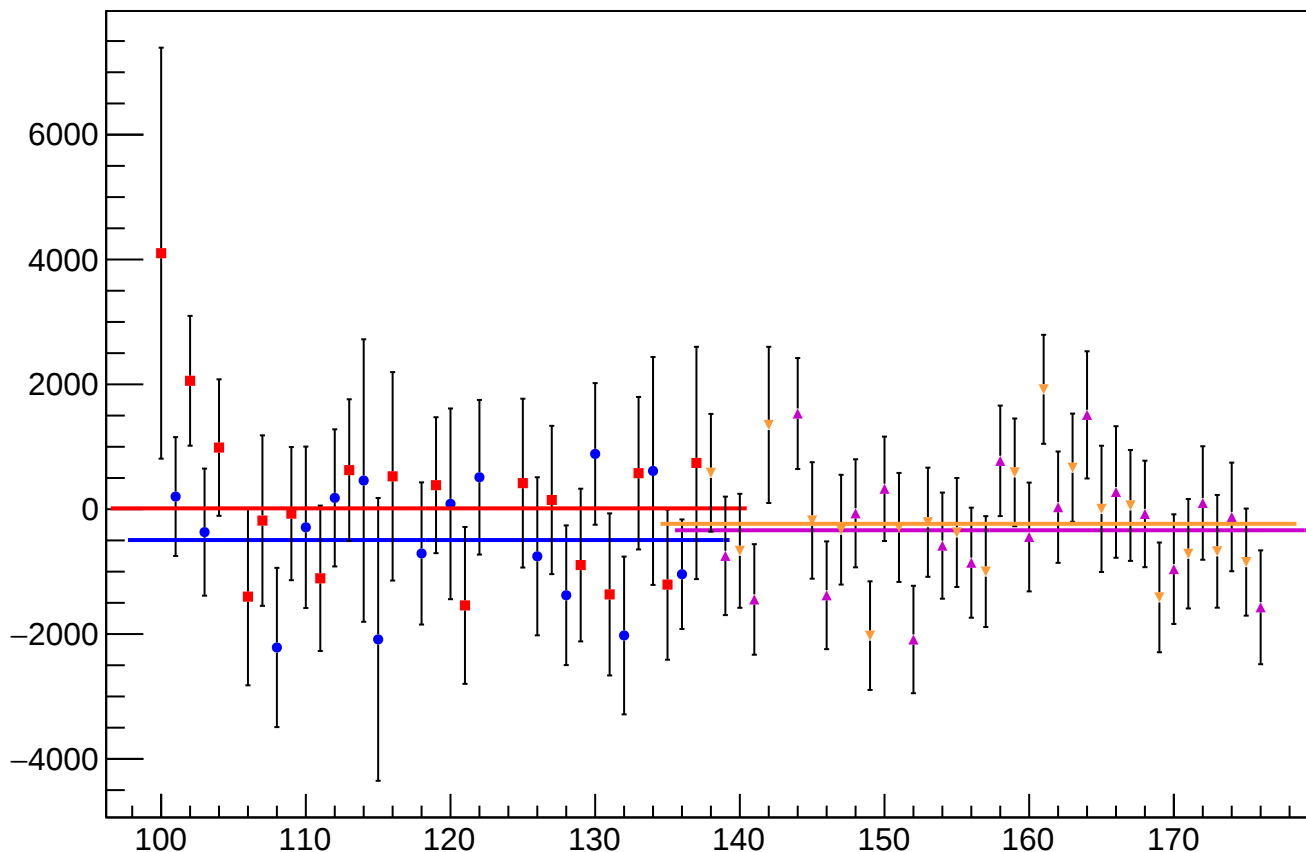
Right: 1464.799+/-0.284 χ^2/NDF : 538687.7/33

In: 1553.119+/-0.241 χ^2/NDF : 1048373.8/34

Out: 1570.893+/-0.243 χ^2/NDF : 758838.4/36

All: 1561.923+/-0.171 χ^2/NDF : 1809911.4/71

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -233.802+/-206.999 χ^2/NDF : 18.7/18

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

Left In: -337.469+/-204.559 χ^2/NDF : 21.0/18

Left: -286.250+/-145.500 χ^2/NDF : 39.9/37

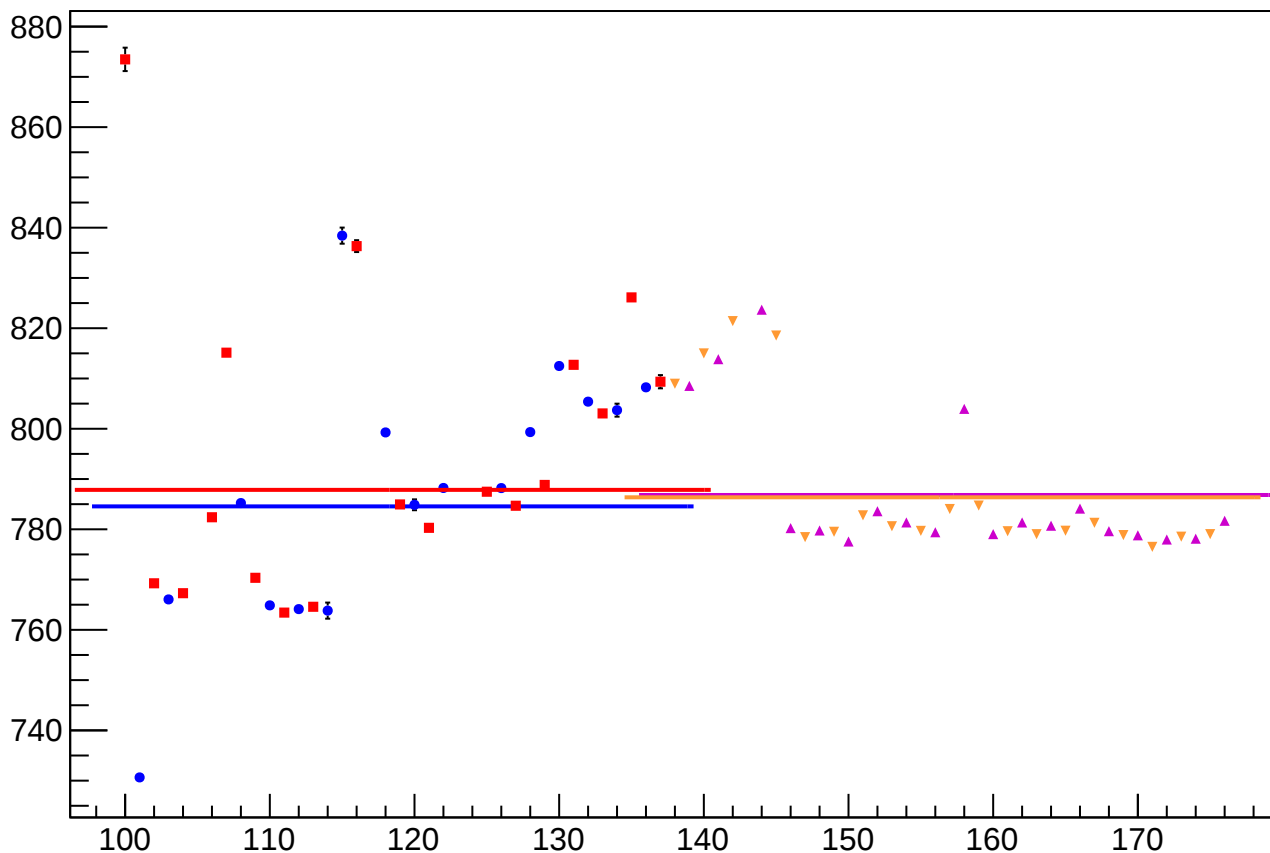
Right: -234.534+/-212.932 χ^2/NDF : 23.4/33

In: -386.182+/-169.826 χ^2/NDF : 29.9/34

Out: -153.213+/-169.959 χ^2/NDF : 32.5/36

All: -269.789+/-120.132 χ^2/NDF : 63.3/71

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 786.363 $\pm$ 0.146 χ^2/NDF : 8717.5/18

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

Left In: 786.826 $\pm$ 0.145 χ^2/NDF : 8924.3/18

Left: 786.597 $\pm$ 0.103 χ^2/NDF : 17646.8/37

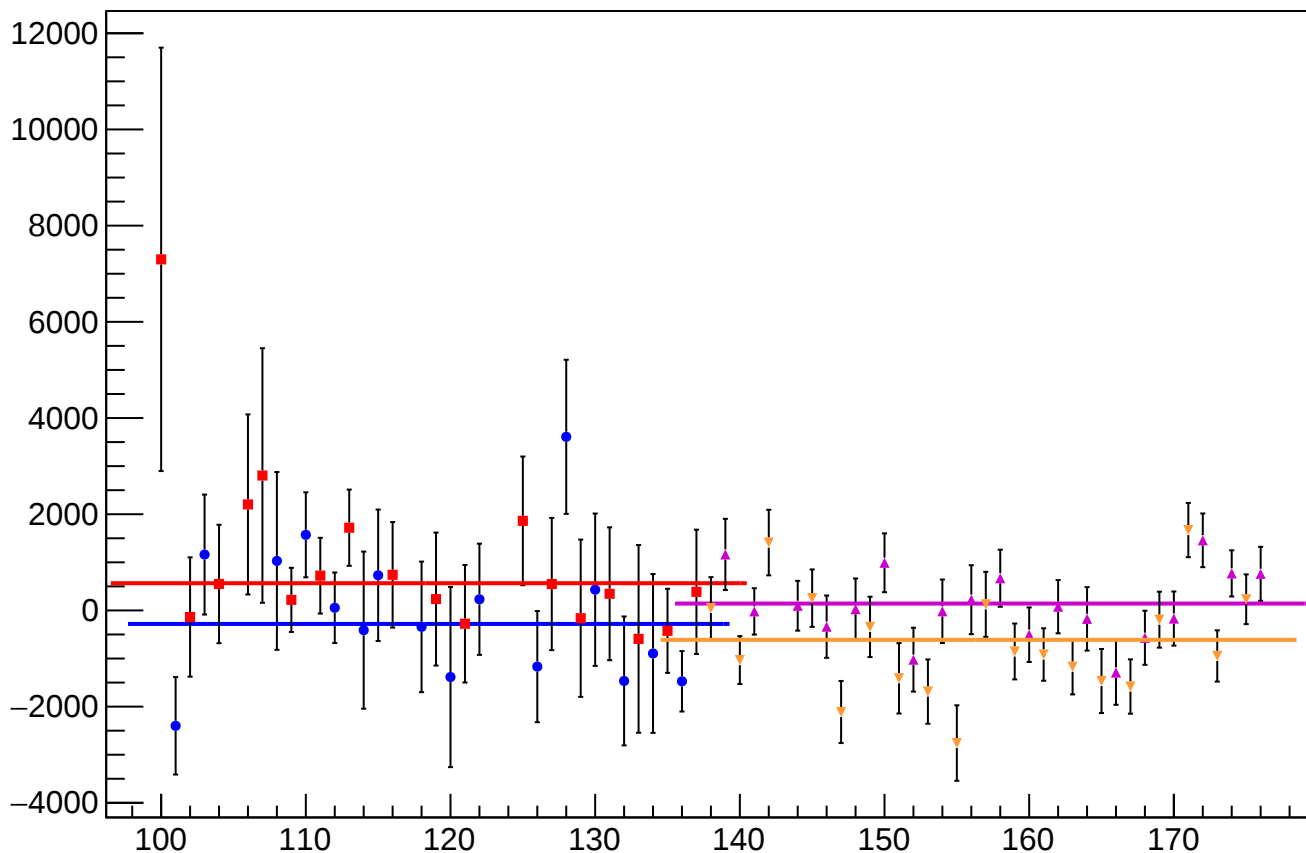
Right: 786.239 $\pm$ 0.151 χ^2/NDF : 24705.7/33

In: 786.121 $\pm$ 0.120 χ^2/NDF : 22678.4/34

Out: 786.846 $\pm$ 0.120 χ^2/NDF : 19659.8/36

All: 786.483 $\pm$ 0.085 χ^2/NDF : 42356.4/71

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -280.632 $\pm$ 282.501 χ^2 /NDF: 23.1/15

Left Out: -611.551 $\pm$ 138.194 χ^2 /NDF:56.7/18

Right Out: 566.224 $\pm$ 272.883 χ^2 /NDF: 9.9/17

Left In: 142.879 $\pm$ 135.244 χ^2 /NDF:25.0/18

Left: -226.199 $\pm$ 96.658 χ^2 /NDF: 96.9/37

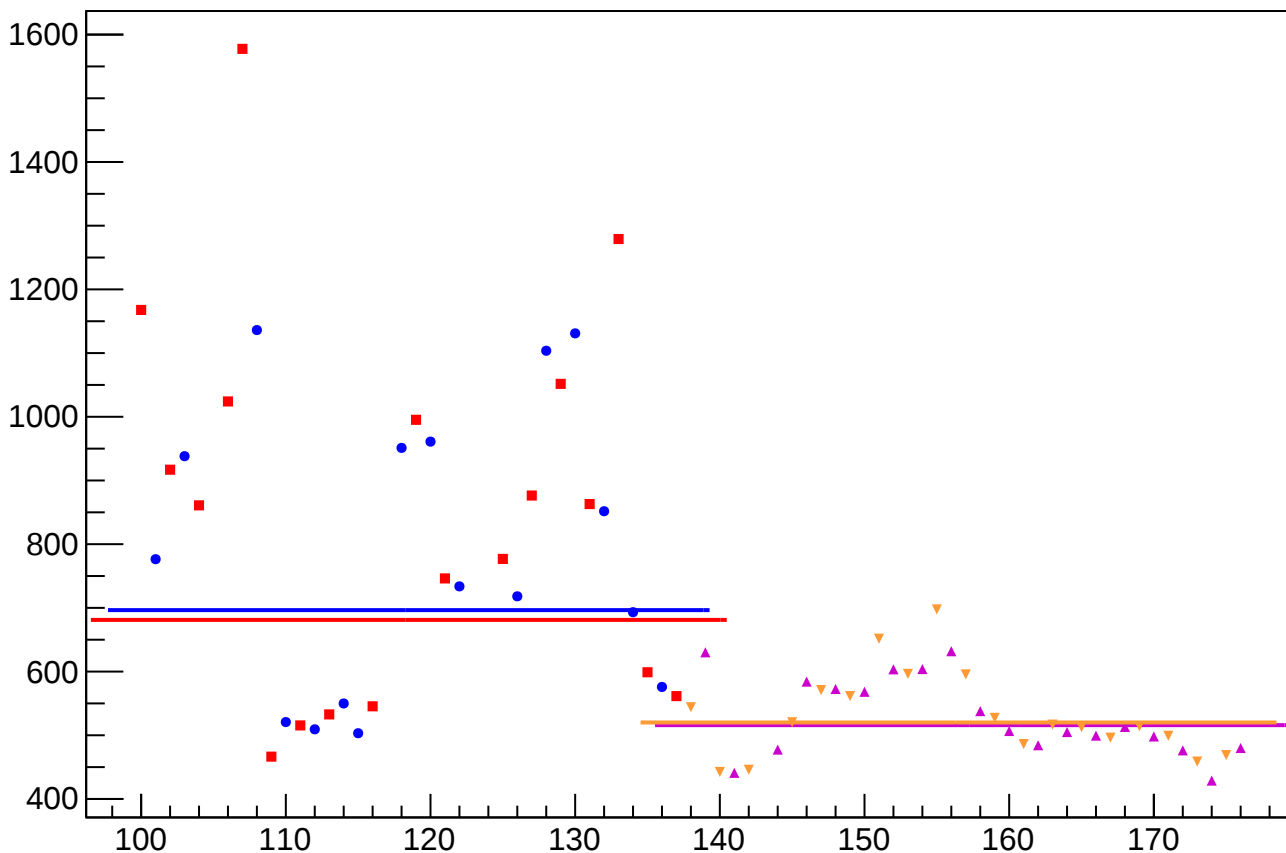
Right: 157.456 $\pm$ 196.270 χ^2 /NDF: 37.7/33

In: 63.912 $\pm$ 121.986 χ^2 /NDF:49.9/34

Out: -371.150 $\pm$ 123.286 χ^2 /NDF:81.5/36

All: -151.313 $\pm$ 86.713 χ^2 /NDF: 137.7/71

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 520.075 $\pm$ 0.098 χ^2 /NDF: 374949.9/18

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

Left In: 515.886 $\pm$ 0.096 χ^2 /NDF: 380153.3/18

Left: 517.936 $\pm$ 0.068 χ^2 /NDF: 756041.6/37

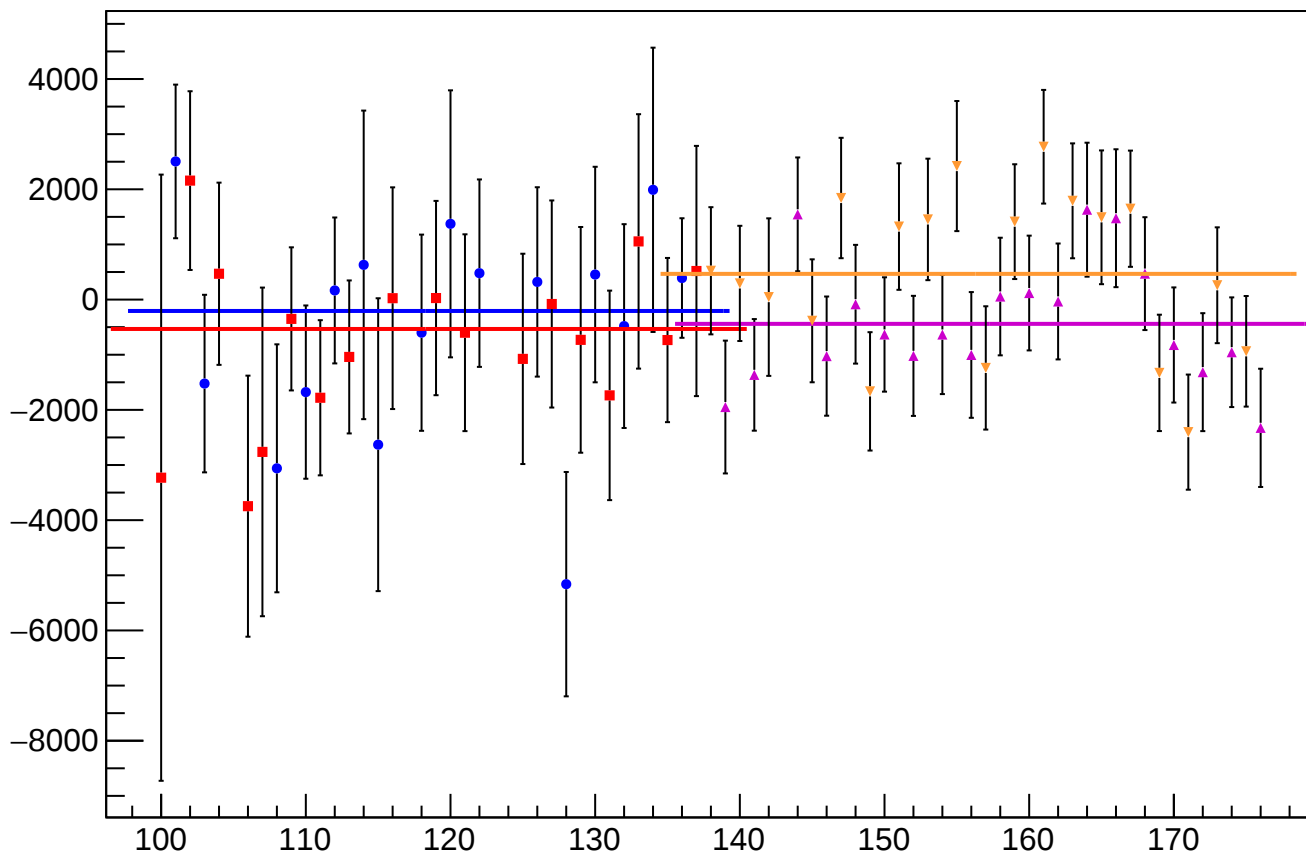
Right: 688.529 $\pm$ 0.139 χ^2 /NDF: 2315094.2/33

In: 549.556 $\pm$ 0.086 χ^2 /NDF: 2004437.2/34

Out: 552.948 $\pm$ 0.087 χ^2 /NDF: 2281947.7/36

All: 551.234 $\pm$ 0.061 χ^2 /NDF: 4287149.9/71

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 466.318+/-251.135 χ^2/NDF : 34.5/18

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

Left In: -440.190+/-247.107 χ^2/NDF : 18.0/18

Left: 5.736+/-176.138 χ^2/NDF : 59.1/37

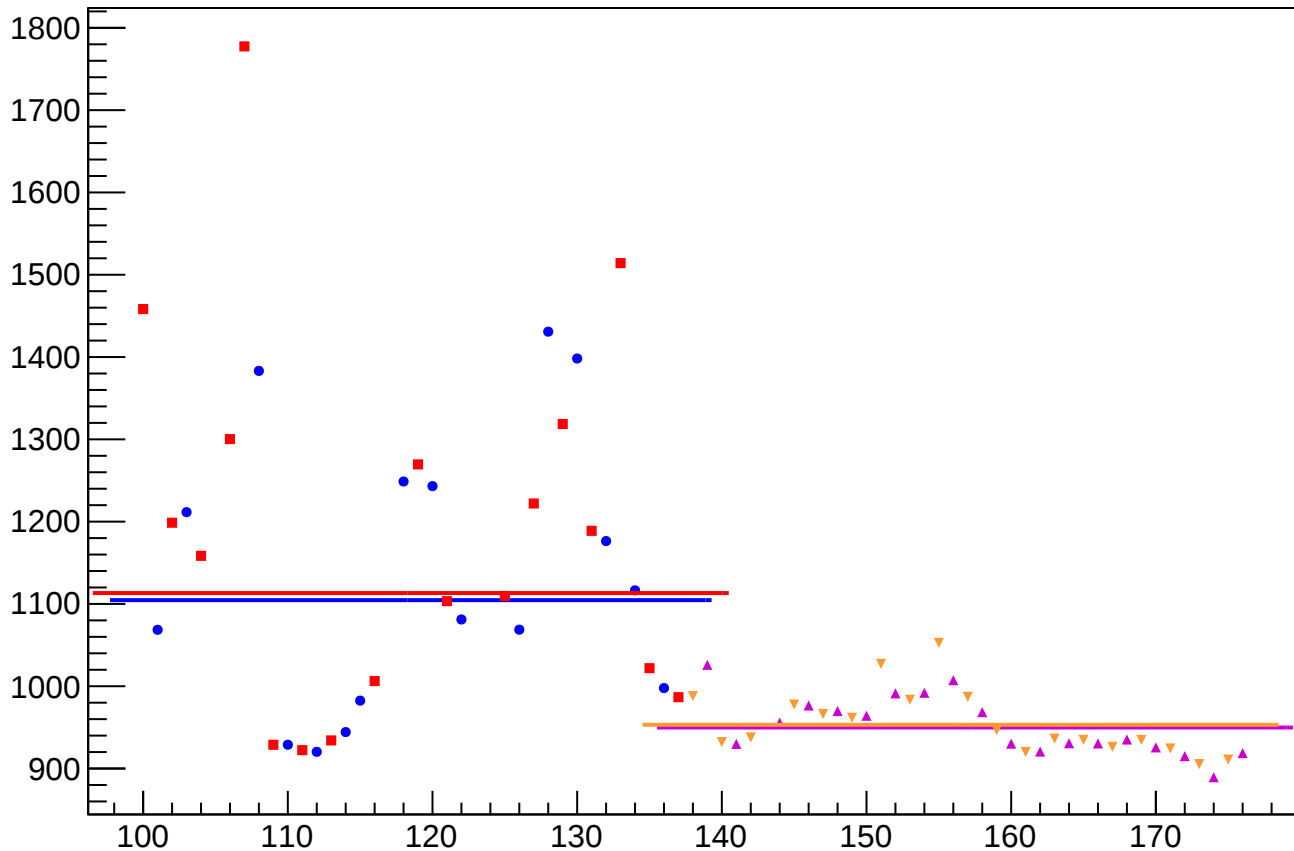
Right: -372.131+/-304.348 χ^2/NDF : 24.2/33

In: -382.905+/-214.712 χ^2/NDF : 34.0/34

Out: 209.643+/-216.488 χ^2/NDF : 46.7/36

All: -89.072+/-152.448 χ^2/NDF : 84.5/71

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 953.154 $\pm$ 0.178 χ^2/NDF : 44404.6/18

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

Left In: 949.814 $\pm$ 0.175 χ^2/NDF : 38688.4/18

Left: 951.457 $\pm$ 0.125 χ^2/NDF : 83272.8/37

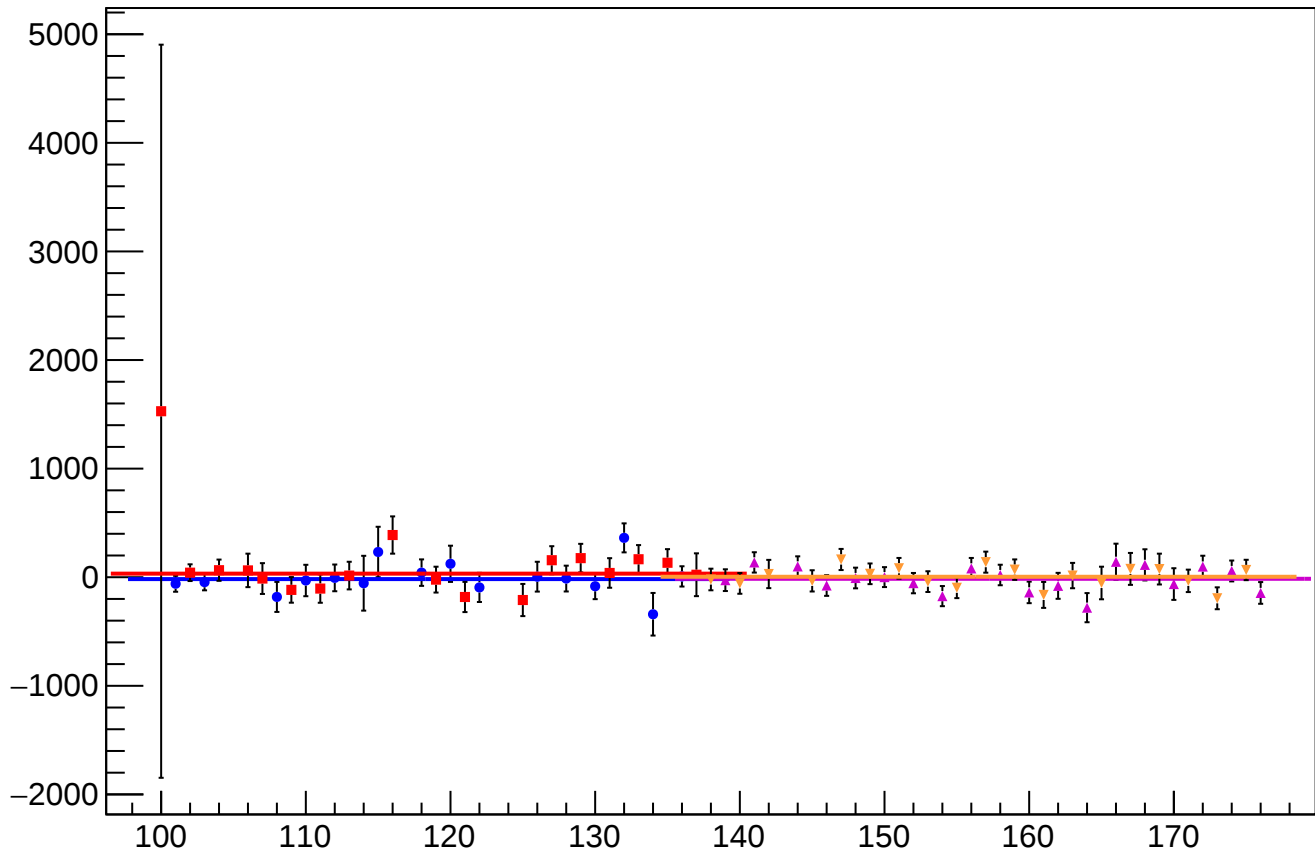
Right: 1108.972 $\pm$ 0.215 χ^2/NDF : 618871.4/33

In: 987.737 $\pm$ 0.152 χ^2/NDF : 486435.0/34

Out: 994.272 $\pm$ 0.153 χ^2/NDF : 616094.5/36

All: 990.978 $\pm$ 0.108 χ^2/NDF : 1103448.2/71

reg_asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -17.236 ± 29.988 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 4.169 ± 24.046 $\chi^2/\text{NDF}: 14.9/18$

Right Out: 32.892 ± 30.446 $\chi^2/\text{NDF}: 16.5/17$

Left In: -14.559 ± 23.653 $\chi^2/\text{NDF}: 20.0/18$

Left: -5.349 ± 16.863 $\chi^2/\text{NDF}: 35.2/37$

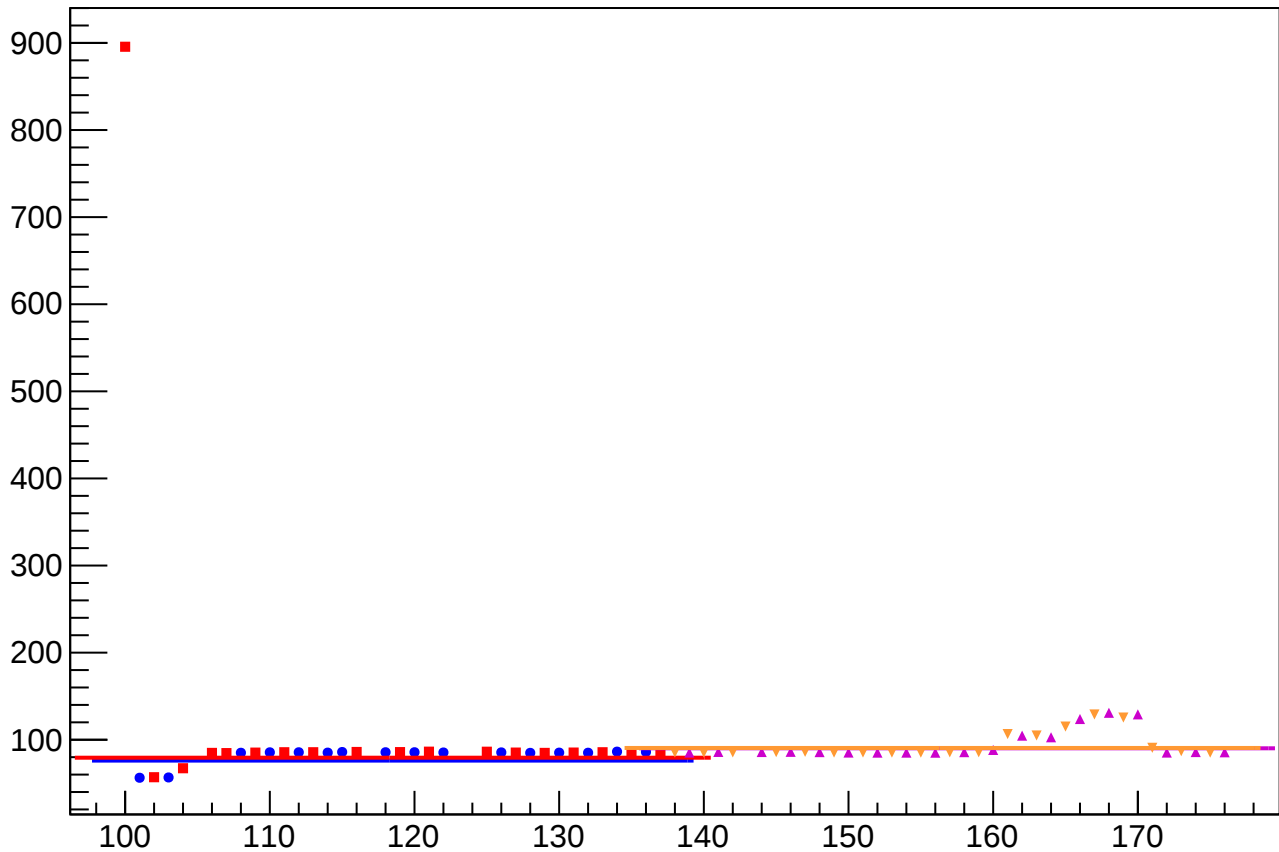
Right: 7.447 ± 21.365 $\chi^2/\text{NDF}: 33.5/33$

In: -15.586 ± 18.572 $\chi^2/\text{NDF}: 35.6/34$

Out: 15.203 ± 18.871 $\chi^2/\text{NDF}: 32.0/36$

All: -0.437 ± 13.237 $\chi^2/\text{NDF}: 68.9/71$

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 90.574 $\pm$ 0.017 χ^2 /NDF: 446132.0/18

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

Left In: 90.187 $\pm$ 0.017 χ^2 /NDF: 494479.5/18

Left: 90.377 $\pm$ 0.012 χ^2 /NDF: 940875.0/37

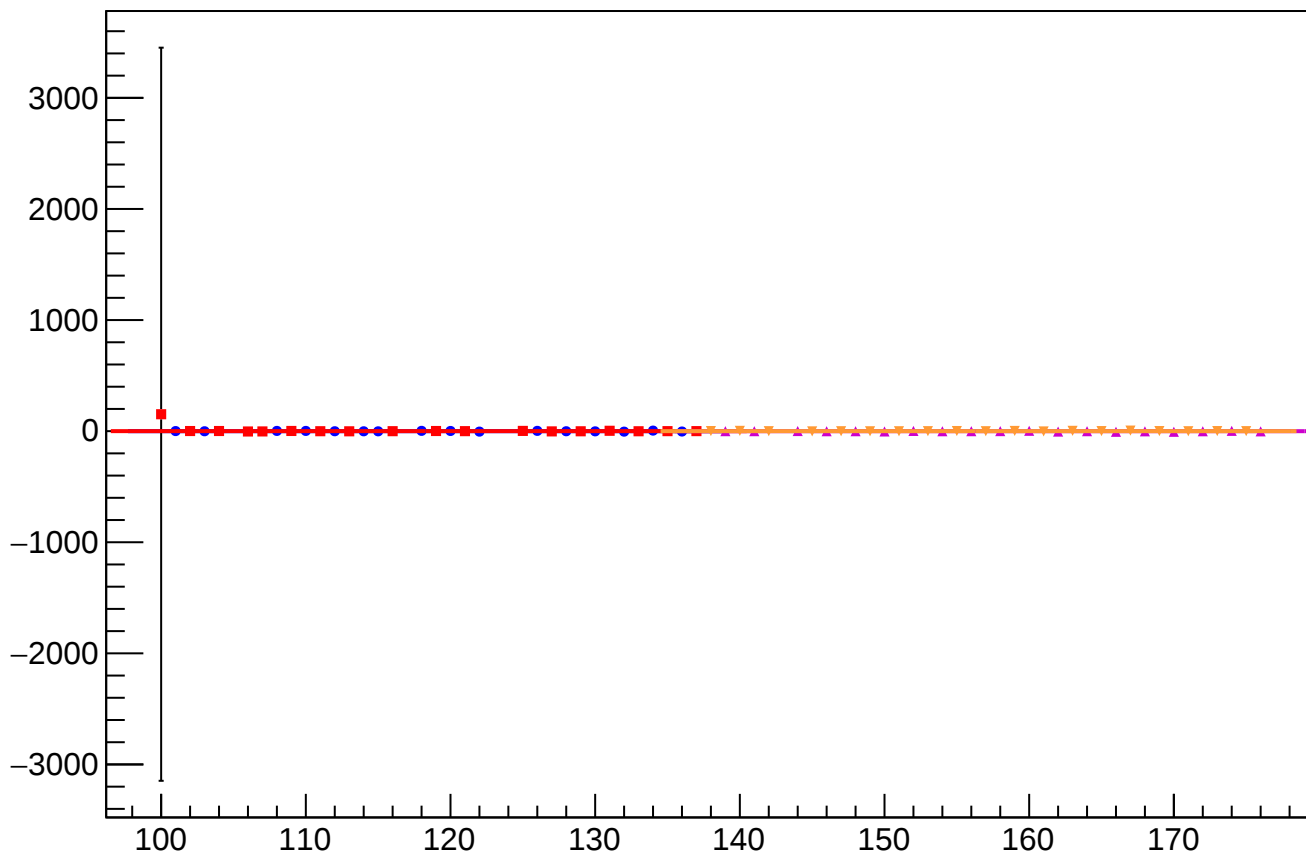
Right: 77.709 $\pm$ 0.015 χ^2 /NDF: 799700.2/33

In: 84.776 $\pm$ 0.013 χ^2 /NDF: 1176516.7/34

Out: 86.278 $\pm$ 0.013 χ^2 /NDF: 990858.7/36

All: 85.515 $\pm$ 0.009 χ^2 /NDF: 2173807.7/71

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.000 ± 0.415 χ^2/NDF : 13.0/18

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

Left In: -0.307 ± 0.424 χ^2/NDF : 23.6/18

Left: -0.150 ± 0.296 χ^2/NDF : 36.8/37

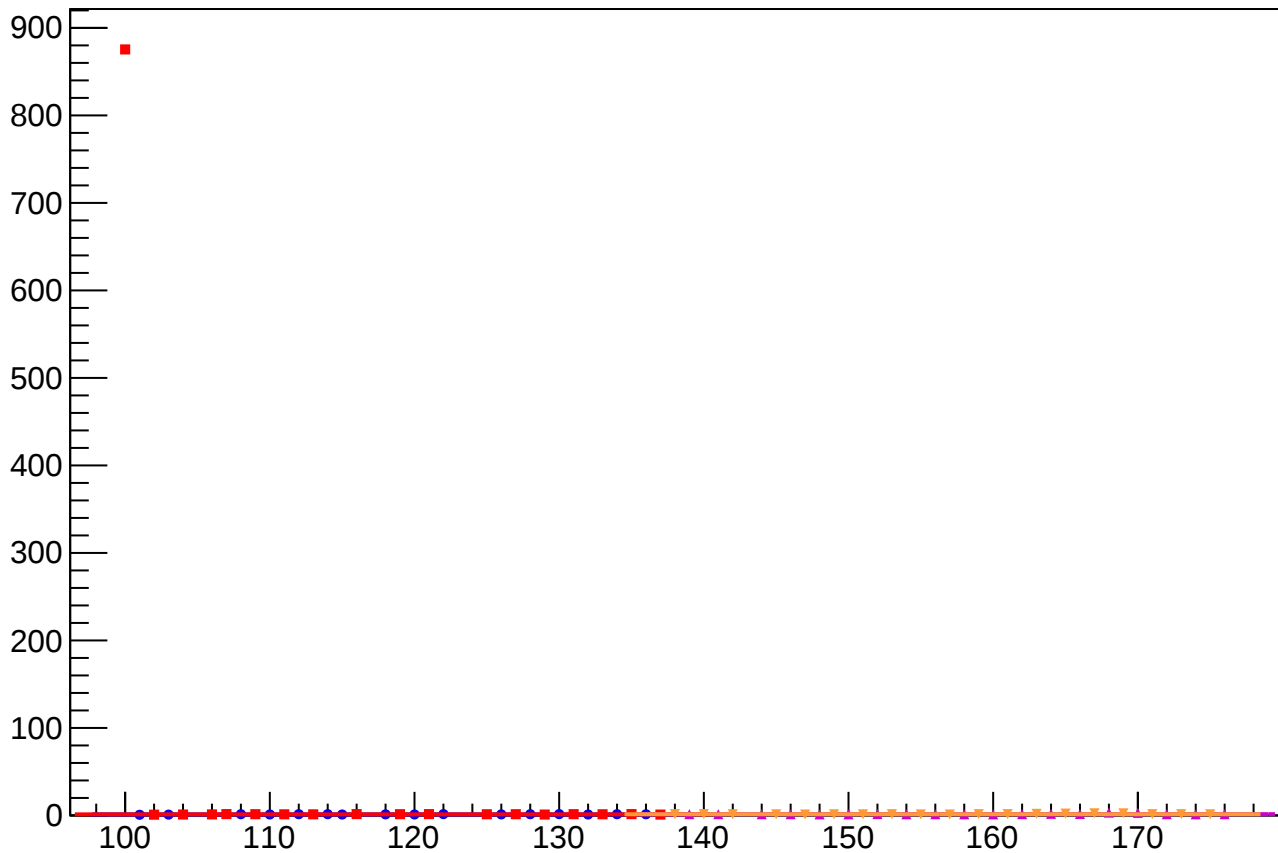
Right: -0.108 ± 0.361 χ^2/NDF : 30.4/33

In: -0.296 ± 0.324 χ^2/NDF : 44.8/34

Out: 0.030 ± 0.324 χ^2/NDF : 22.0/36

All: -0.133 ± 0.229 χ^2/NDF : 67.2/71

asym_ds_avg_correction_rms vs Slug, Sign Corrected



Right In: 1.152 $\pm$ 0.000 χ^2 /NDF: 514348.9/15

Left Out: 1.386 $\pm$ 0.000 χ^2 /NDF: 903735.7/18

Right Out: 1.247 $\pm$ 0.000 χ^2 /NDF: 517130.7/17

Left In: 1.464 $\pm$ 0.000 χ^2 /NDF: 984148.4/18

Left: 1.424 $\pm$ 0.000 χ^2 /NDF: 1922096.3/37

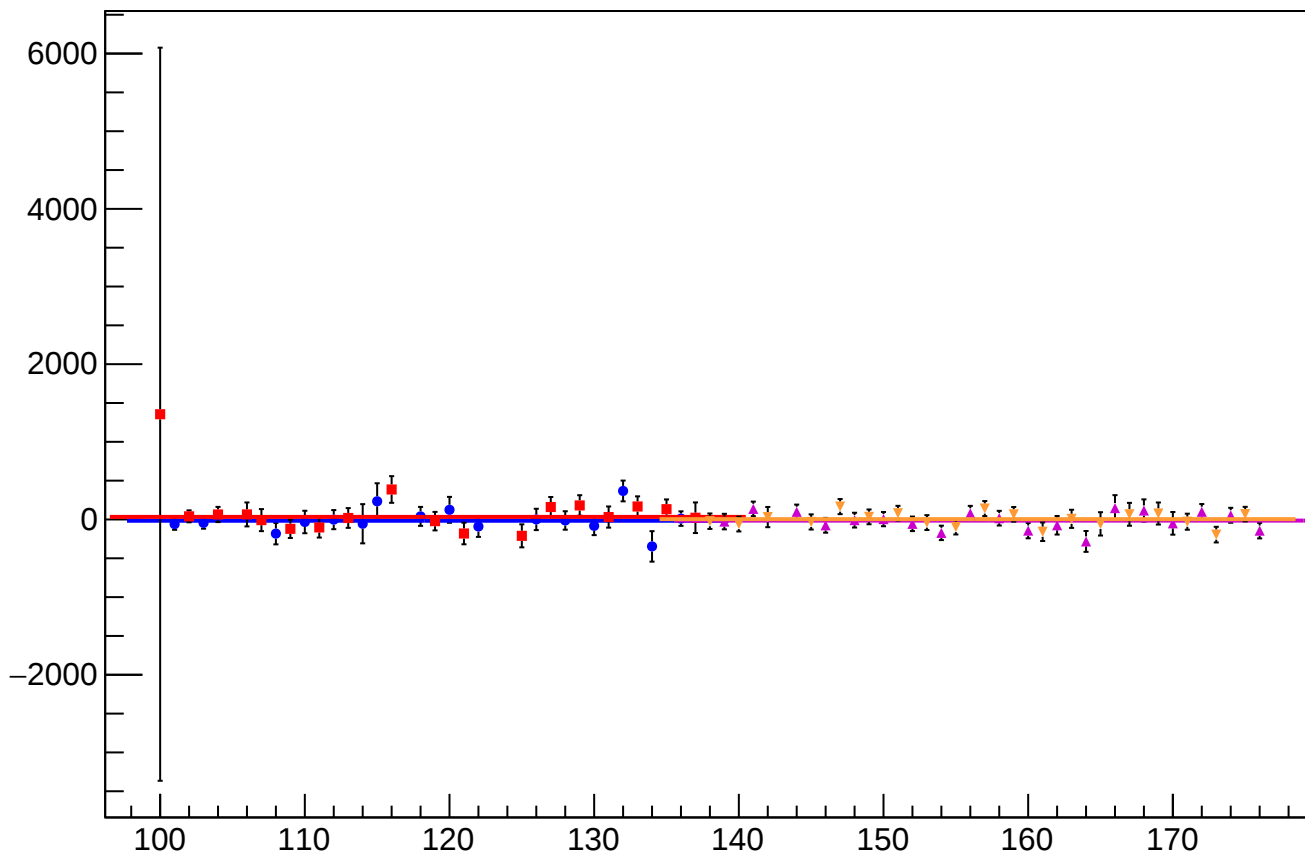
Right: 1.198 $\pm$ 0.000 χ^2 /NDF: 1065824.7/33

In: 1.334 $\pm$ 0.000 χ^2 /NDF: 1948312.7/34

Out: 1.332 $\pm$ 0.000 χ^2 /NDF: 1508118.8/36

All: 1.333 $\pm$ 0.000 χ^2 /NDF: 3456460.1/71

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 4.099 ± 24.054 χ^2/NDF : 14.9/18

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

Left In: -14.459 ± 23.661 χ^2/NDF : 19.9/18

Left: -5.333 ± 16.868 χ^2/NDF : 35.1/37

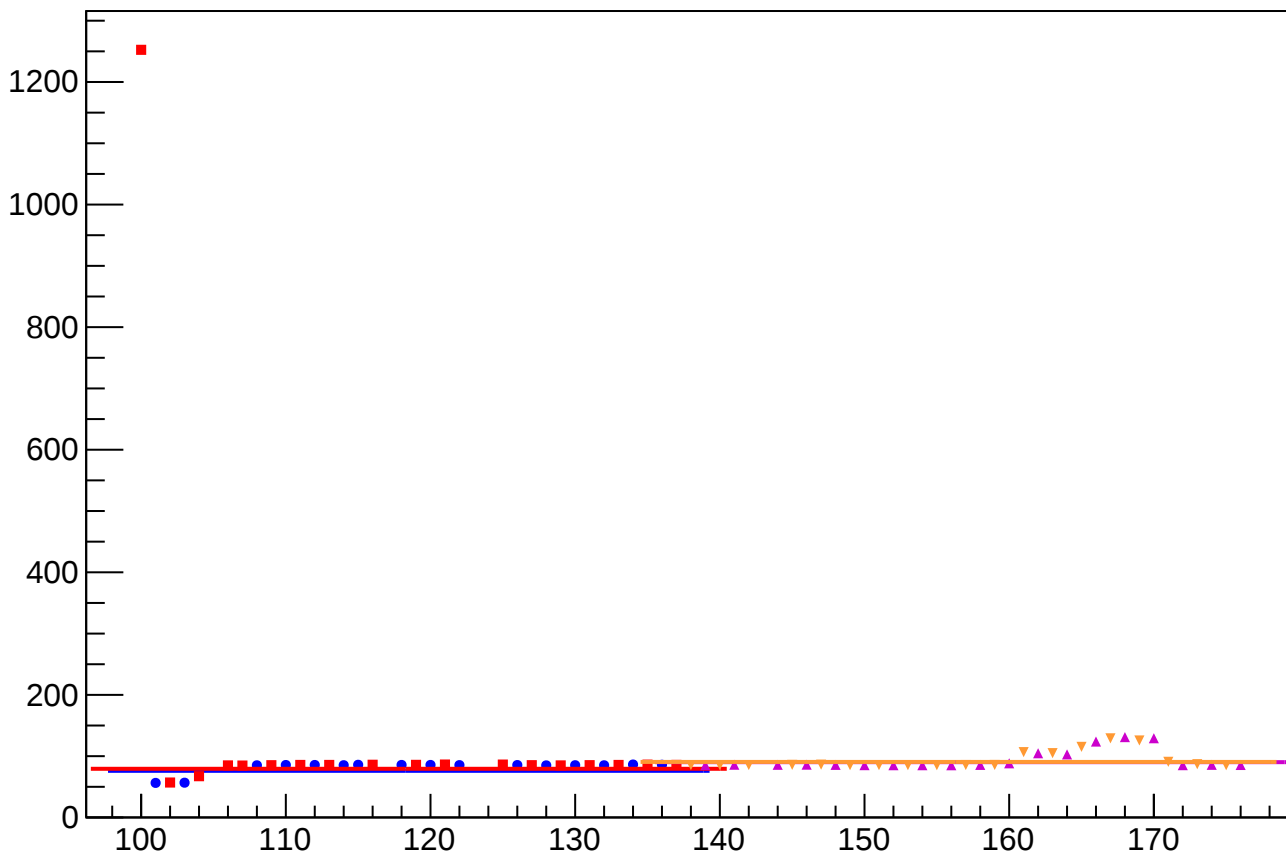
Right: 8.026 ± 21.371 χ^2/NDF : 33.7/33

In: -15.169 ± 18.577 χ^2/NDF : 35.8/34

Out: 15.246 ± 18.876 χ^2/NDF : 32.0/36

All: -0.205 ± 13.240 χ^2/NDF : 69.1/71

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 90.601+/-0.017 χ^2/NDF : 446867.9/18

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

Left In: 90.213+/-0.017 χ^2/NDF : 495349.4/18

Left: 90.404+/-0.012 χ^2/NDF : 942480.8/37

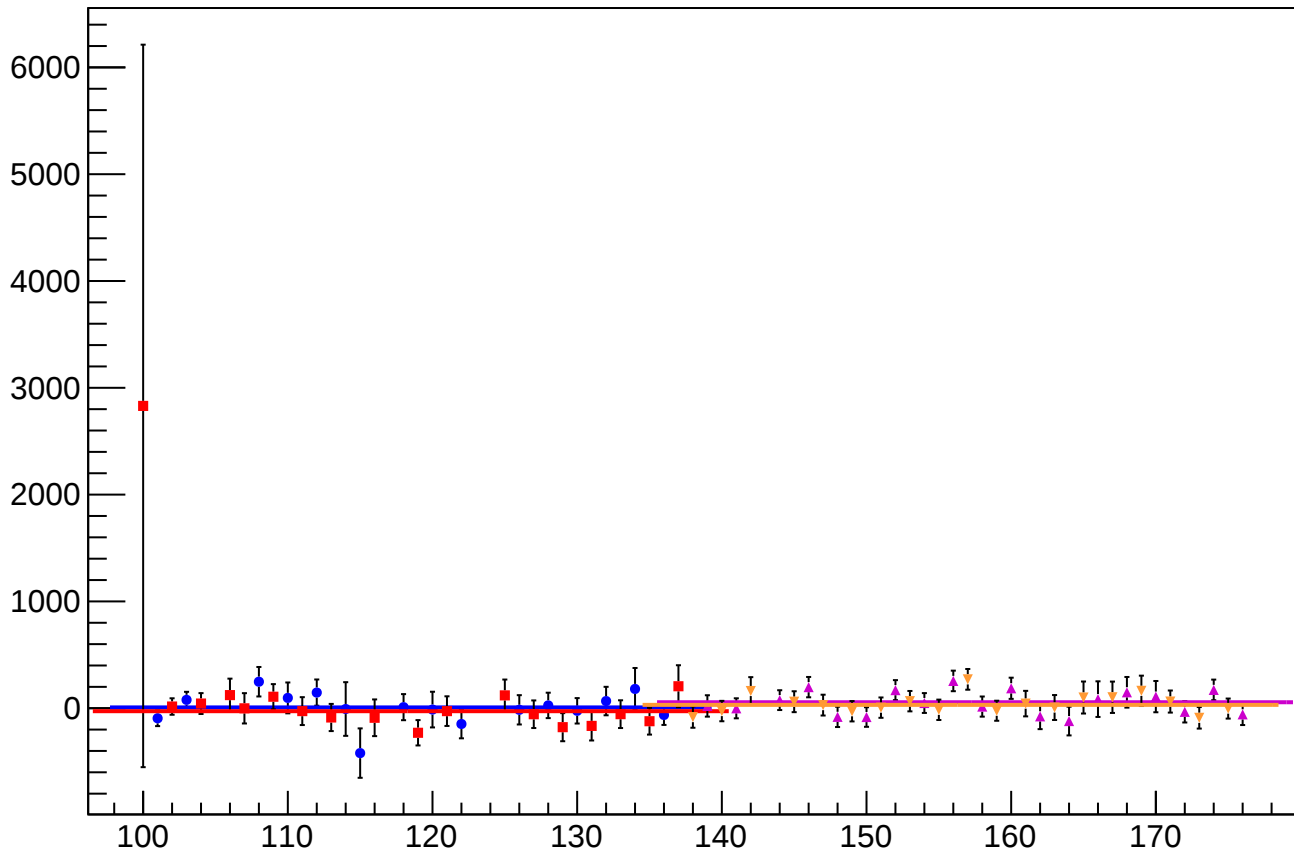
Right: 77.721+/-0.015 χ^2/NDF : 806127.4/33

In: 84.800+/-0.013 χ^2/NDF : 1177524.8/34

Out: 86.295+/-0.013 χ^2/NDF : 998714.7/36

All: 85.535+/-0.009 χ^2/NDF : 2182616.3/71

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 31.377 ± 24.048 χ^2/NDF : 13.1/18

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

Left In: 55.911 ± 23.663 χ^2/NDF : 21.8/18

Left: 43.842 ± 16.866 χ^2/NDF : 35.4/37

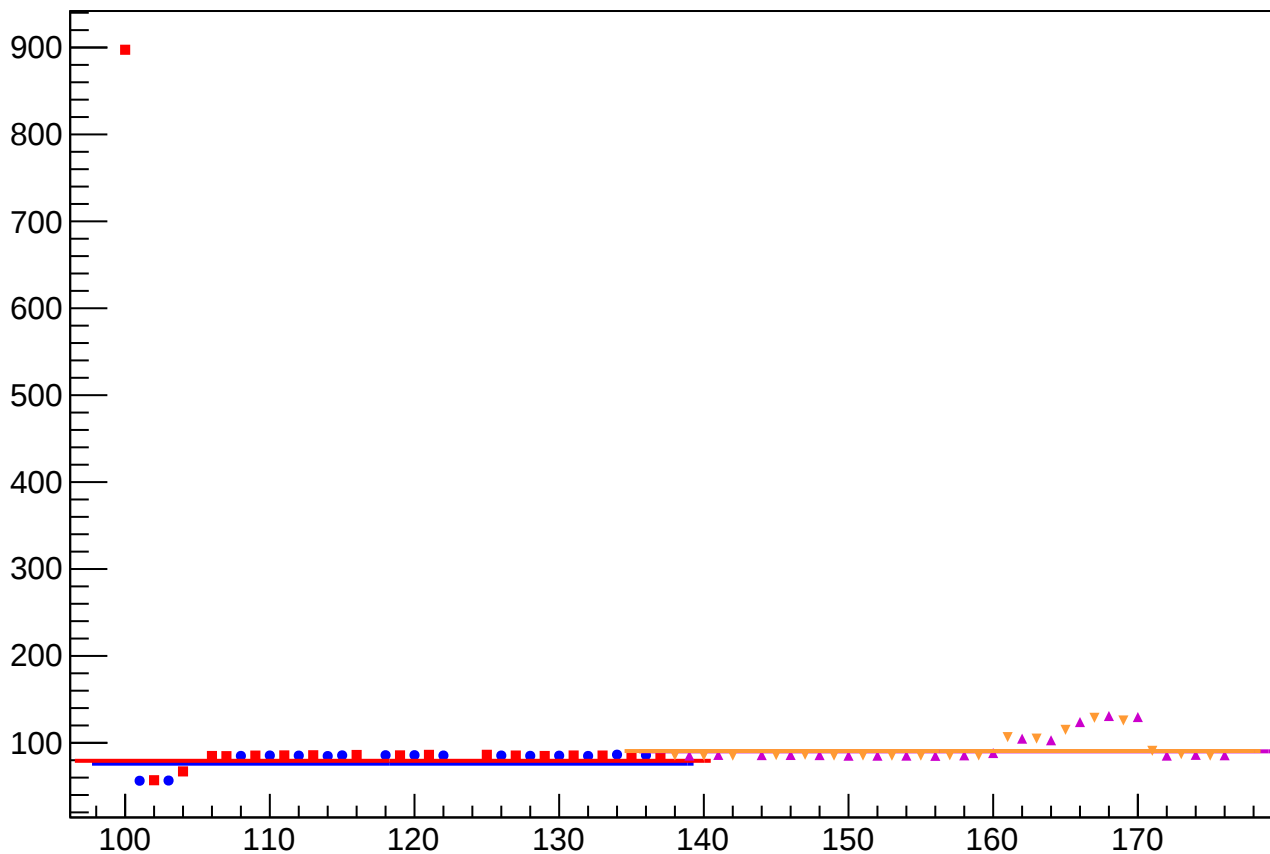
Right: -9.961 ± 21.352 χ^2/NDF : 27.1/33

In: 37.305 ± 18.571 χ^2/NDF : 37.4/34

Out: 8.580 ± 18.867 χ^2/NDF : 27.9/36

All: 23.169 ± 13.235 χ^2/NDF : 66.4/71

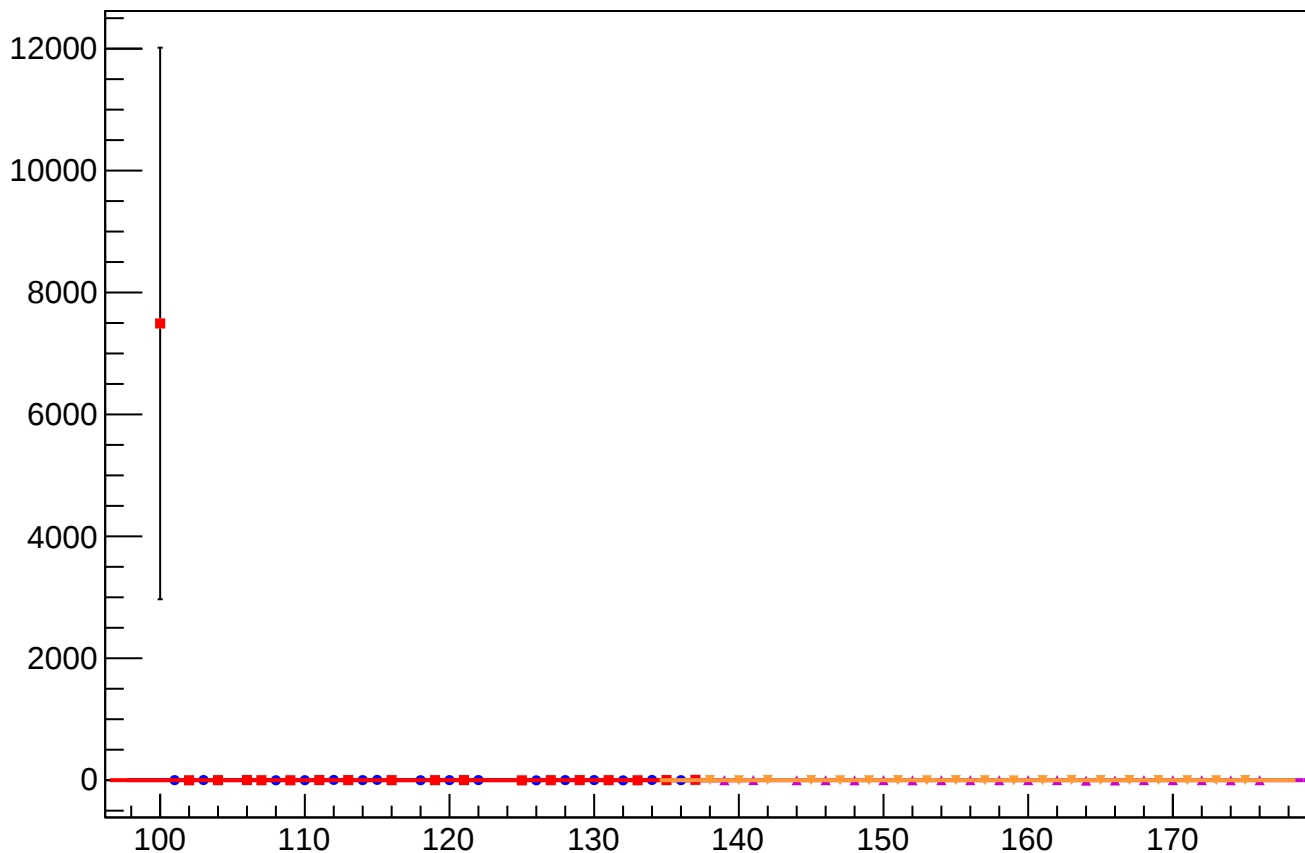
reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.032 $\pm$ 0.021 χ^2 /NDF: 408917.7/15
Left Out: 90.579 $\pm$ 0.017 χ^2 /NDF: 445370.7/18
Right Out: 79.342 $\pm$ 0.022 χ^2 /NDF: 378371.9/17
Left In: 90.216 $\pm$ 0.017 χ^2 /NDF: 497316.1/18

Left: 90.394 $\pm$ 0.012 χ^2 /NDF: 942918.0/37
Right: 77.662 $\pm$ 0.015 χ^2 /NDF: 799302.8/33
In: 84.769 $\pm$ 0.013 χ^2 /NDF: 1182206.7/34
Out: 86.258 $\pm$ 0.013 χ^2 /NDF: 991637.8/36
All: 85.502 $\pm$ 0.009 χ^2 /NDF: 2180175.1/71

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.321 ± 0.429 χ^2/NDF : 17.6/18

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

Left In: 0.066 ± 0.422 χ^2/NDF : 15.7/18

Left: -0.124 ± 0.301 χ^2/NDF : 33.7/37

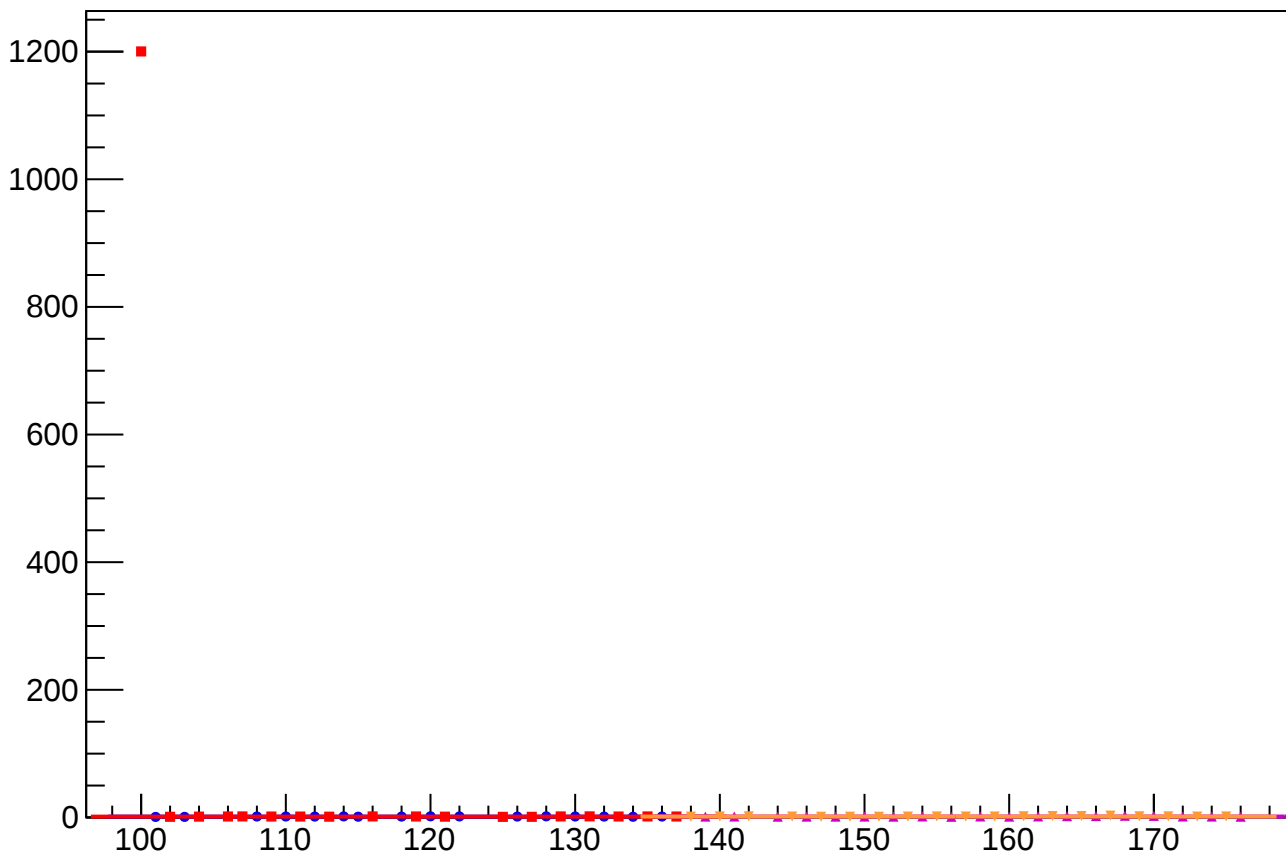
Right: 0.621 ± 0.382 χ^2/NDF : 25.2/33

In: 0.392 ± 0.331 χ^2/NDF : 29.2/34

Out: -0.080 ± 0.338 χ^2/NDF : 31.1/36

All: 0.161 ± 0.236 χ^2/NDF : 61.3/71

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.446+/-0.000 χ^2/NDF : 1045948.9/18

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

Left In: 1.442+/-0.000 χ^2/NDF : 991997.9/18

Left: 1.444+/-0.000 χ^2/NDF : 2038046.3/37

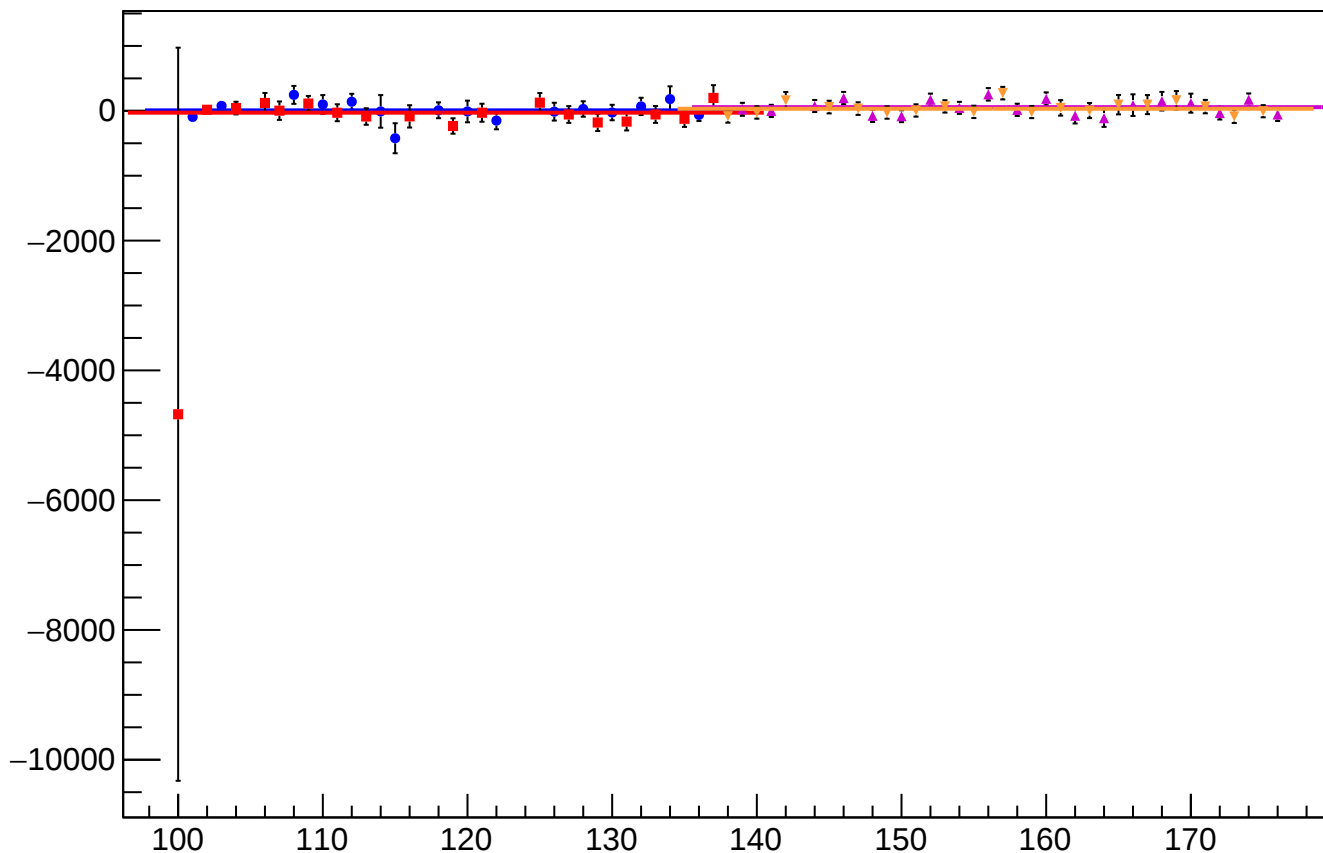
Right: 1.276+/-0.000 χ^2/NDF : 1201203.5/33

In: 1.363+/-0.000 χ^2/NDF : 1830248.8/34

Out: 1.397+/-0.000 χ^2/NDF : 1635658.6/36

All: 1.380+/-0.000 χ^2/NDF : 3476374.7/71

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 31.949 ± 24.055 $\chi^2/NDF: 13.0/18$

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

Left In: 56.458 ± 23.670 $\chi^2/NDF: 21.5/18$

Left: 44.401 ± 16.872 $\chi^2/NDF: 35.0/37$

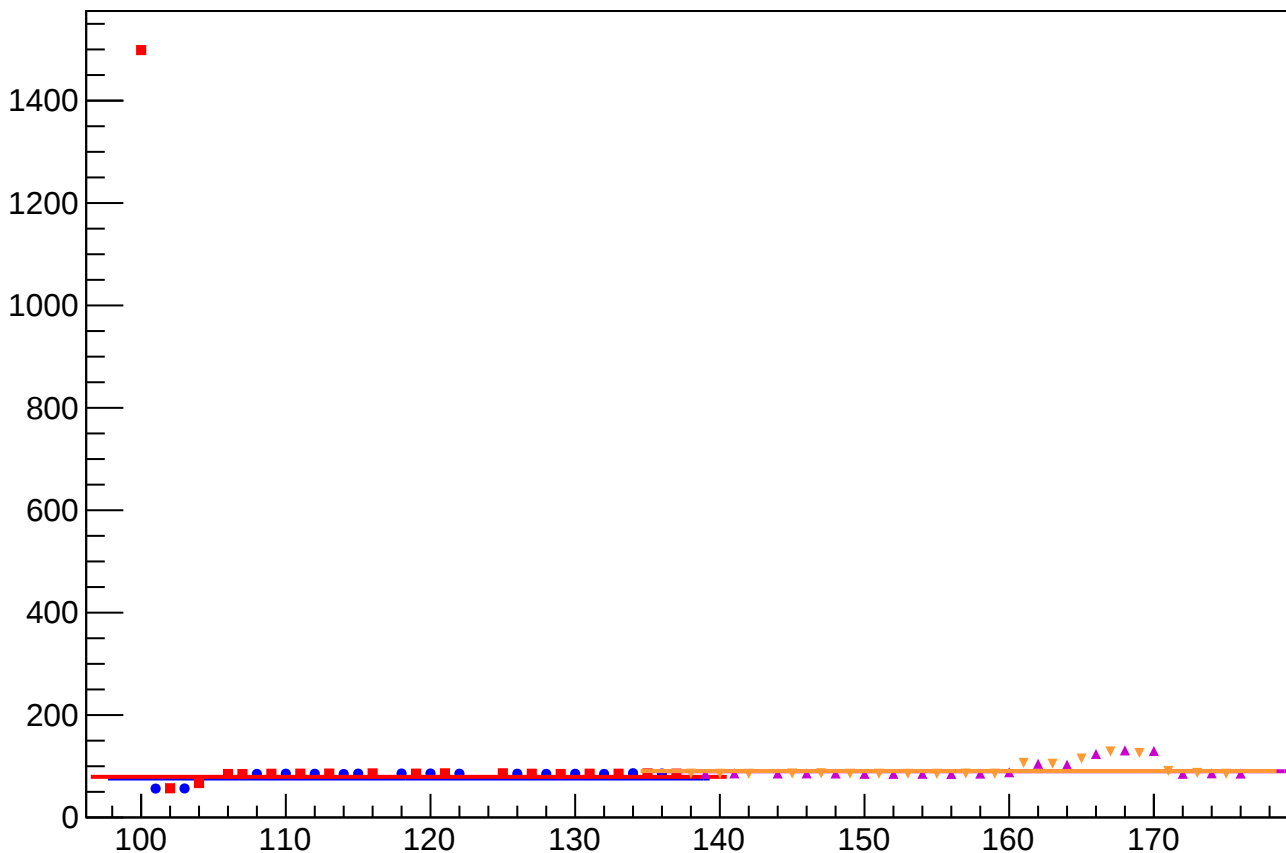
Right: -10.616 ± 21.358 $\chi^2/NDF: 27.2/33$

In: 37.380 ± 18.577 $\chi^2/NDF: 37.0/34$

Out: 8.688 ± 18.873 $\chi^2/NDF: 28.1/36$

All: 23.261 ± 13.239 $\chi^2/NDF: 66.3/71$

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 90.606+/-0.017 χ^2/NDF : 446110.5/18

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

Left In: 90.243+/-0.017 χ^2/NDF : 498117.3/18

Left: 90.421+/-0.012 χ^2/NDF : 944459.0/37

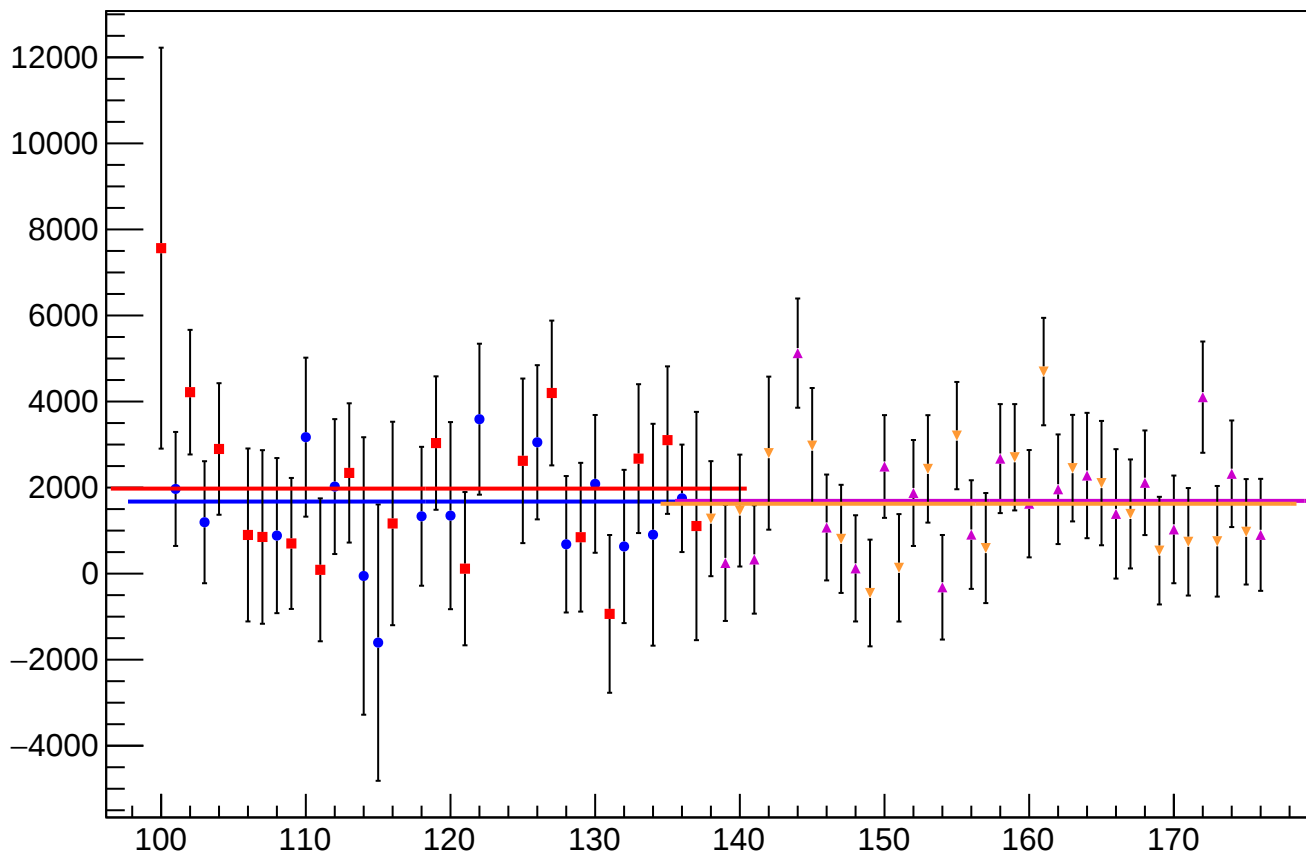
Right: 77.670+/-0.015 χ^2/NDF : 808427.1/33

In: 84.793+/-0.013 χ^2/NDF : 1183141.6/34

Out: 86.274+/-0.013 χ^2/NDF : 1002442.7/36

All: 85.522+/-0.009 χ^2/NDF : 2191835.4/71

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1624.092 $\pm$ 295.584 χ^2 /NDF:18.3/18

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

Left In: 1691.002 $\pm$ 291.957 χ^2 /NDF:20.4/18

Left: 1657.960 $\pm$ 207.715 χ^2 /NDF: 38.7/37

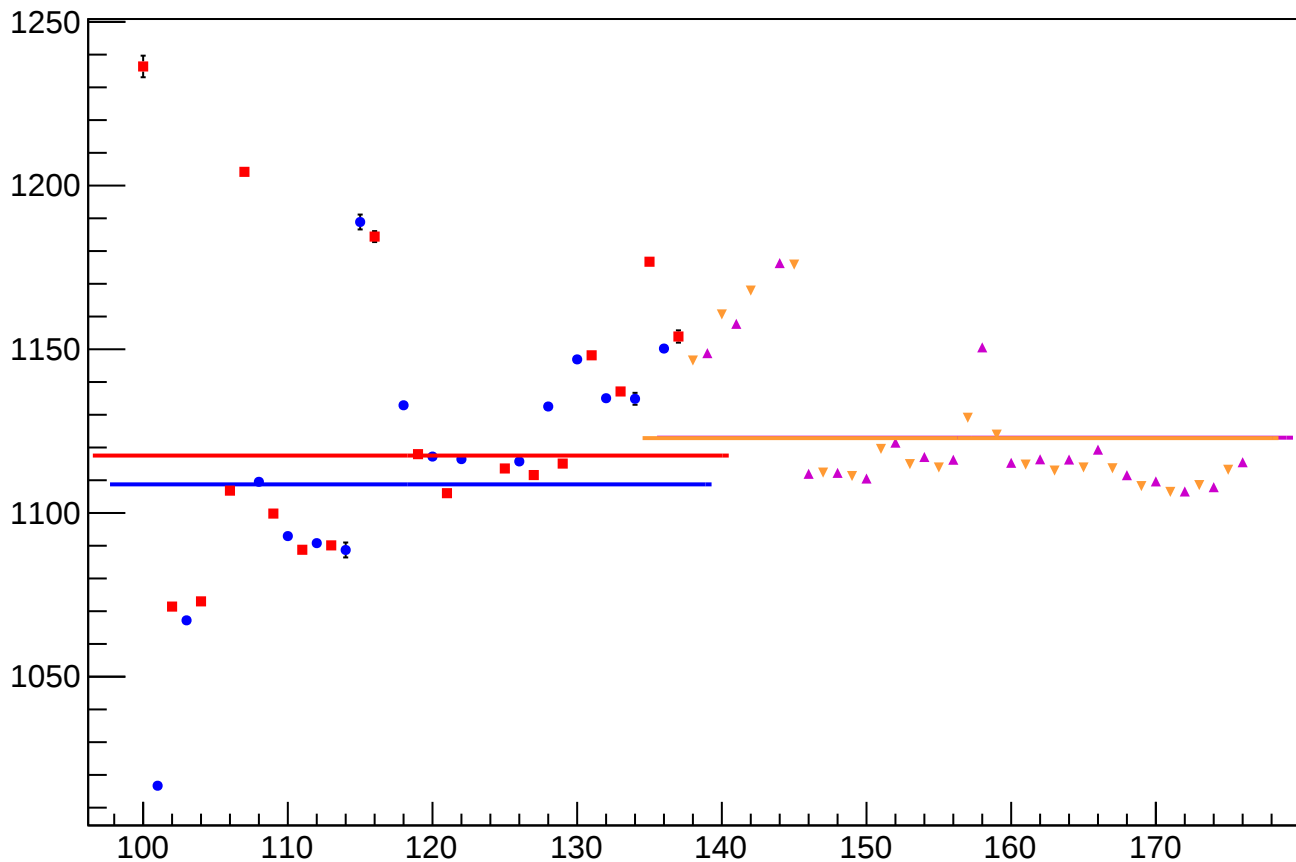
Right: 1828.538 $\pm$ 301.540 χ^2 /NDF: 19.4/33

In: 1685.960 $\pm$ 241.648 χ^2 /NDF:25.6/34

Out: 1739.866 $\pm$ 242.179 χ^2 /NDF:32.8/36

All: 1712.854 $\pm$ 171.058 χ^2 /NDF: 58.4/71

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1122.865 $\pm$ 0.209 χ^2 /NDF:8678.2/18

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

Left In: 1123.000 $\pm$ 0.206 χ^2 /NDF:8646.7/18

Left: 1122.933 $\pm$ 0.147 χ^2 /NDF: 17325.2/37

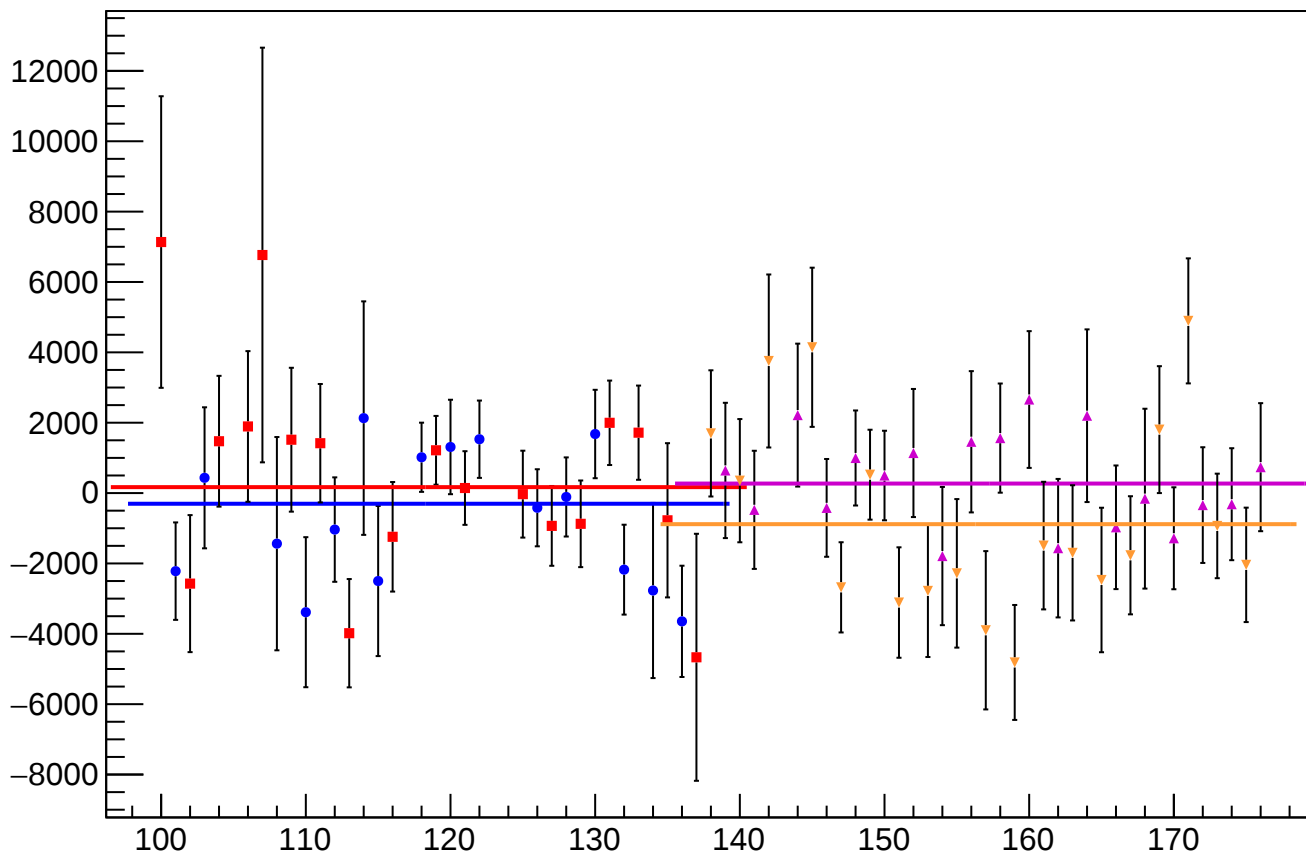
Right: 1113.224 $\pm$ 0.213 χ^2 /NDF: 34021.5/33

In: 1118.509 $\pm$ 0.171 χ^2 /NDF:28230.2/34

Out: 1121.114 $\pm$ 0.171 χ^2 /NDF:24406.8/36

All: 1119.809 $\pm$ 0.121 χ^2 /NDF: 52753.1/71

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -883.694 $\pm$ 397.578 χ^2/NDF : 39.8/18

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

Left In: 270.539 $\pm$ 392.706 χ^2/NDF : 9.1/18

Left: -299.462 $\pm$ 279.392 χ^2/NDF : 53.1/37

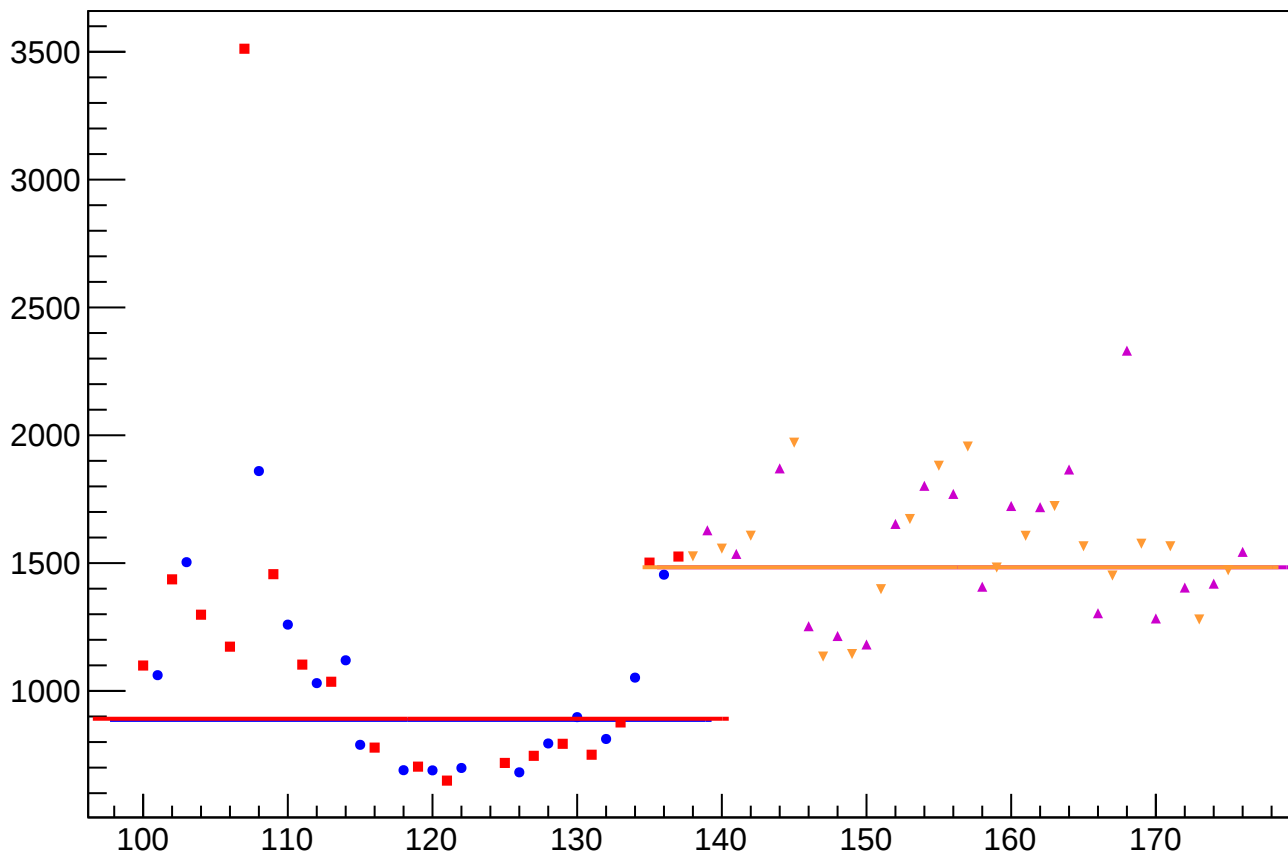
Right: -64.717 $\pm$ 253.241 χ^2/NDF : 48.0/33

In: -41.232 $\pm$ 265.396 χ^2/NDF : 32.6/34

Out: -299.872 $\pm$ 265.313 χ^2/NDF : 68.5/36

All: -170.592 $\pm$ 187.634 χ^2/NDF : 101.5/71

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1483.771+/-0.281 χ^2/NDF : 668678.2/18

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

Left In: 1483.574+/-0.278 χ^2/NDF : 844895.6/18

Left: 1483.671+/-0.198 χ^2/NDF : 1513574.1/37

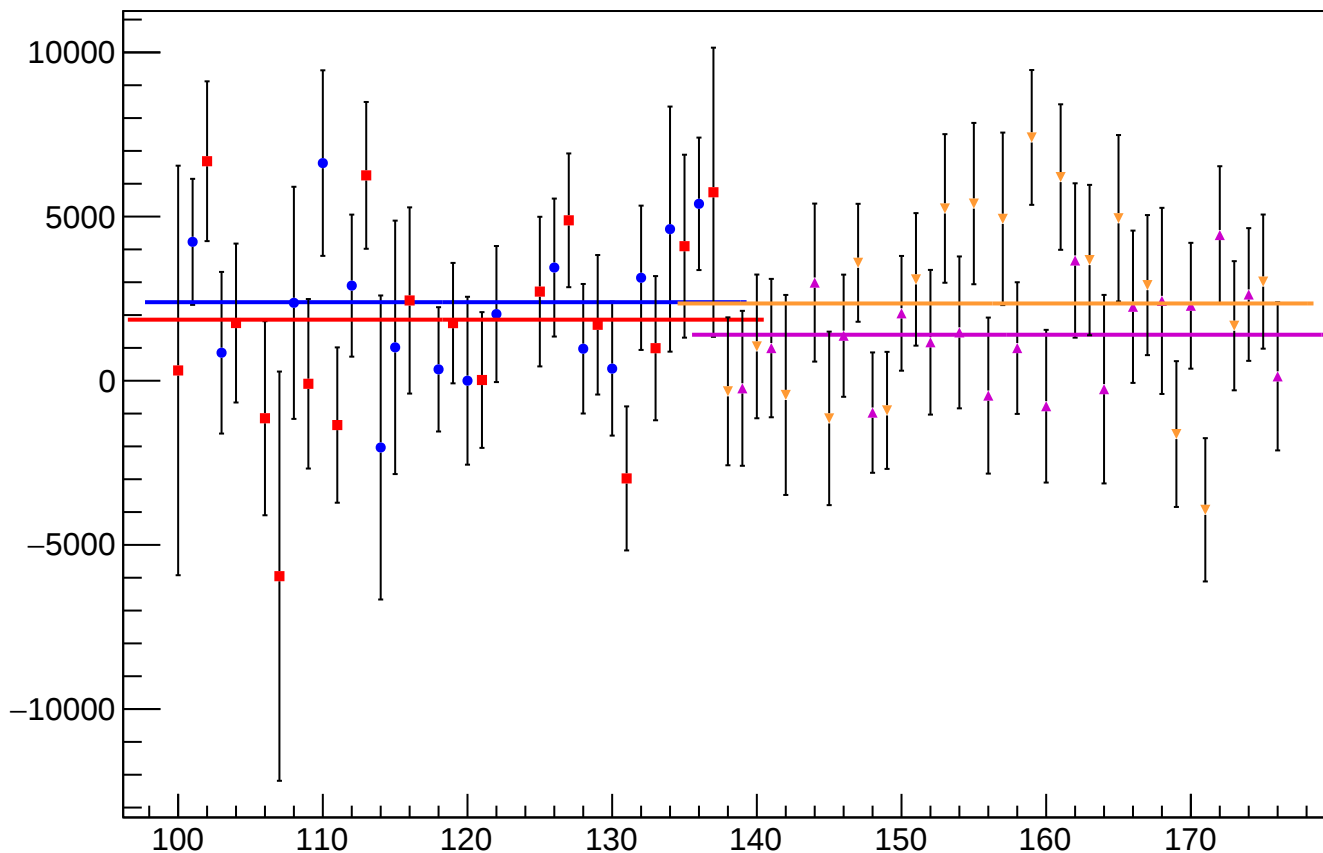
Right: 888.968+/-0.179 χ^2/NDF : 2475210.4/33

In: 1159.302+/-0.188 χ^2/NDF : 4415873.3/34

Out: 1155.083+/-0.188 χ^2/NDF : 4547268.9/36

All: 1157.192+/-0.133 χ^2/NDF : 8963395.1/71

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2353.270+/-503.098 χ^2 /NDF:34.7/18

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

Left In: 1400.950+/-496.958 χ^2 /NDF:8.8/18

Left: 1871.262+/-353.553 χ^2 /NDF: 45.3/37

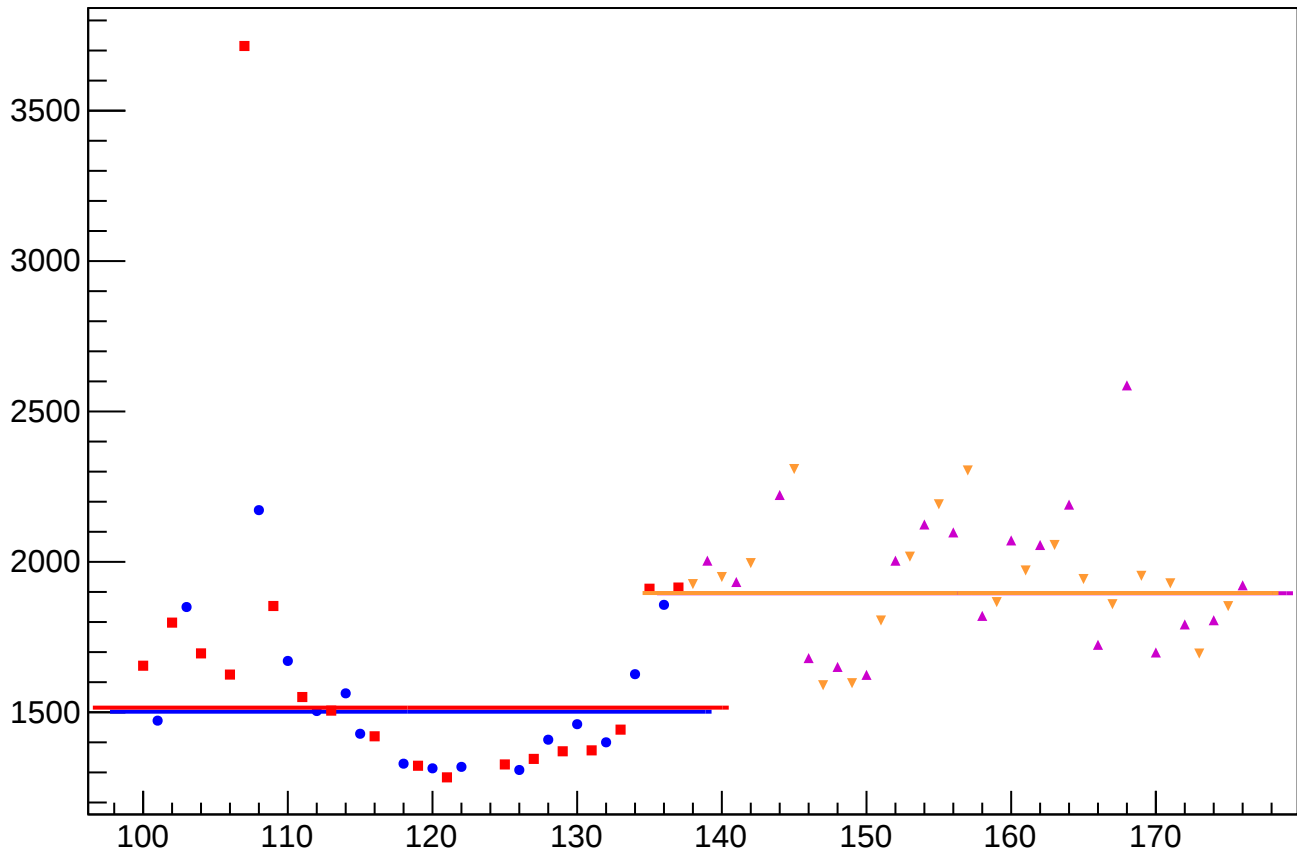
Right: 2123.458+/-414.388 χ^2 /NDF: 34.1/33

In: 1813.243+/-379.822 χ^2 /NDF:21.6/34

Out: 2142.721+/-380.919 χ^2 /NDF:57.6/36

All: 1977.507+/-268.962 χ^2 /NDF: 79.6/71

asym_usl_rms vs Slug, Sign Corrected



Right In: 1501.937 $\pm$ 0.416 χ^2 /NDF: 254549.7/15

Left Out: 1896.396 $\pm$ 0.356 χ^2 /NDF: 291310.5/18

Right Out: 1515.406 $\pm$ 0.412 χ^2 /NDF: 479759.9/17

Left In: 1895.679 $\pm$ 0.351 χ^2 /NDF: 395969.6/18

Left: 1896.033 $\pm$ 0.250 χ^2 /NDF: 687282.1/37

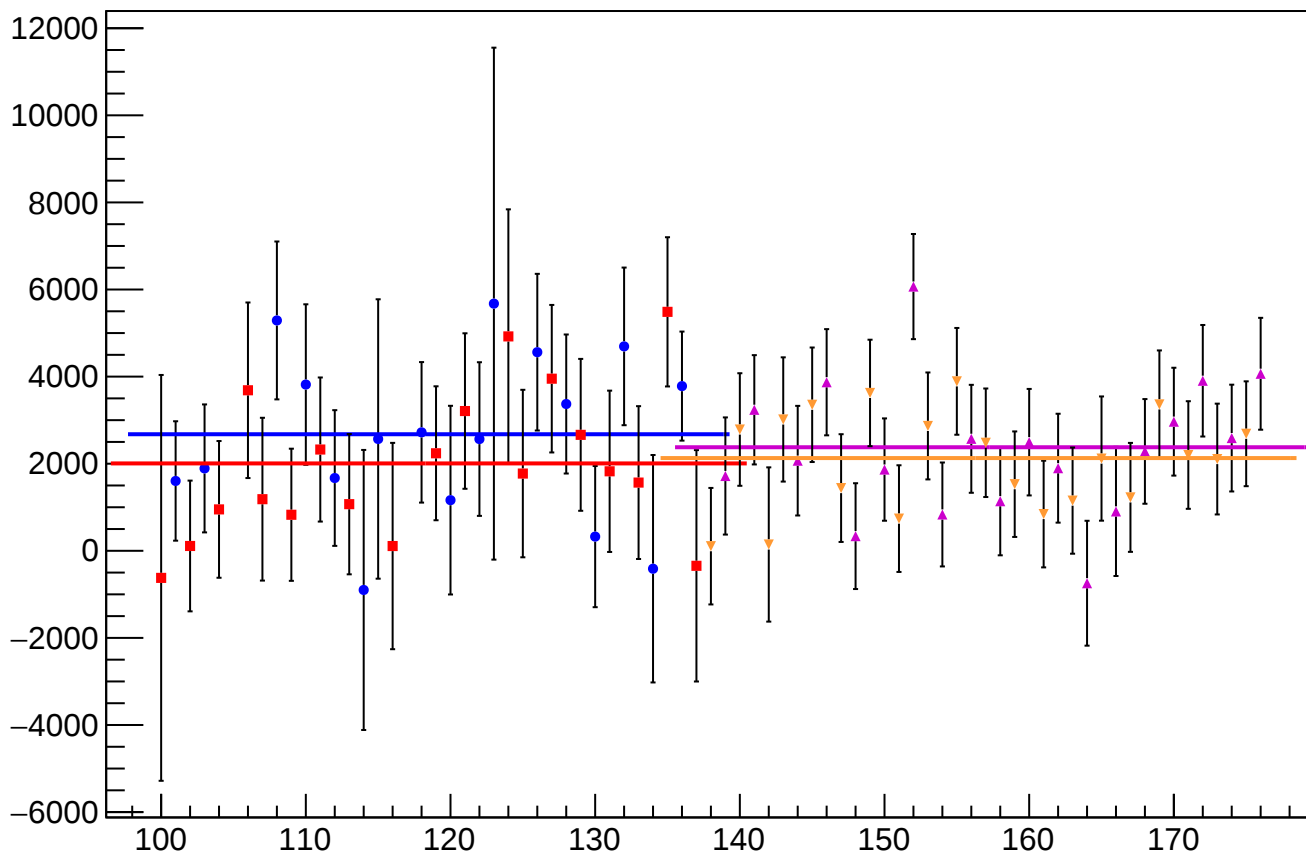
Right: 1508.739 $\pm$ 0.293 χ^2 /NDF: 734837.7/33

In: 1731.939 $\pm$ 0.269 χ^2 /NDF: 1172624.2/34

Out: 1733.816 $\pm$ 0.269 χ^2 /NDF: 1260514.3/36

All: 1732.875 $\pm$ 0.190 χ^2 /NDF: 2433162.9/71

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2129.400 $\pm$ 285.441 χ^2 /NDF:14.4/19

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

Left In: 2377.927 $\pm$ 288.008 χ^2 /NDF:26.6/18

Left: 2252.551 $\pm$ 202.739 χ^2 /NDF: 41.4/38

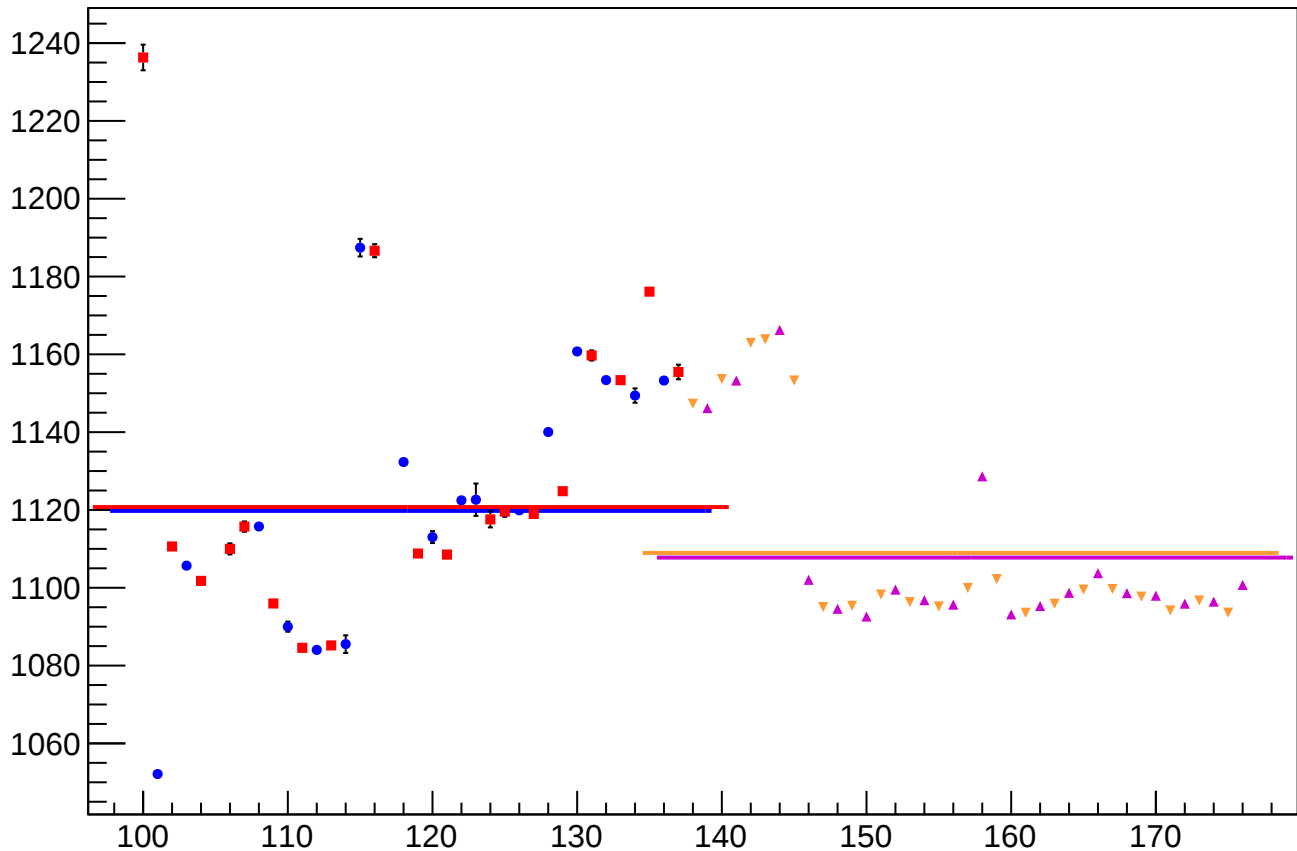
Right: 2330.304 $\pm$ 301.362 χ^2 /NDF: 26.6/35

In: 2469.391 $\pm$ 239.904 χ^2 /NDF:39.5/35

Out: 2090.488 $\pm$ 235.932 χ^2 /NDF:27.2/38

All: 2276.777 $\pm$ 168.216 χ^2 /NDF: 68.0/74

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1108.959 $\pm$ 0.202 χ^2 /NDF:14118.3/19

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

Left In: 1107.758 $\pm$ 0.204 χ^2 /NDF:11433.6/18

Left: 1108.364 $\pm$ 0.143 χ^2 /NDF: 25569.5/38

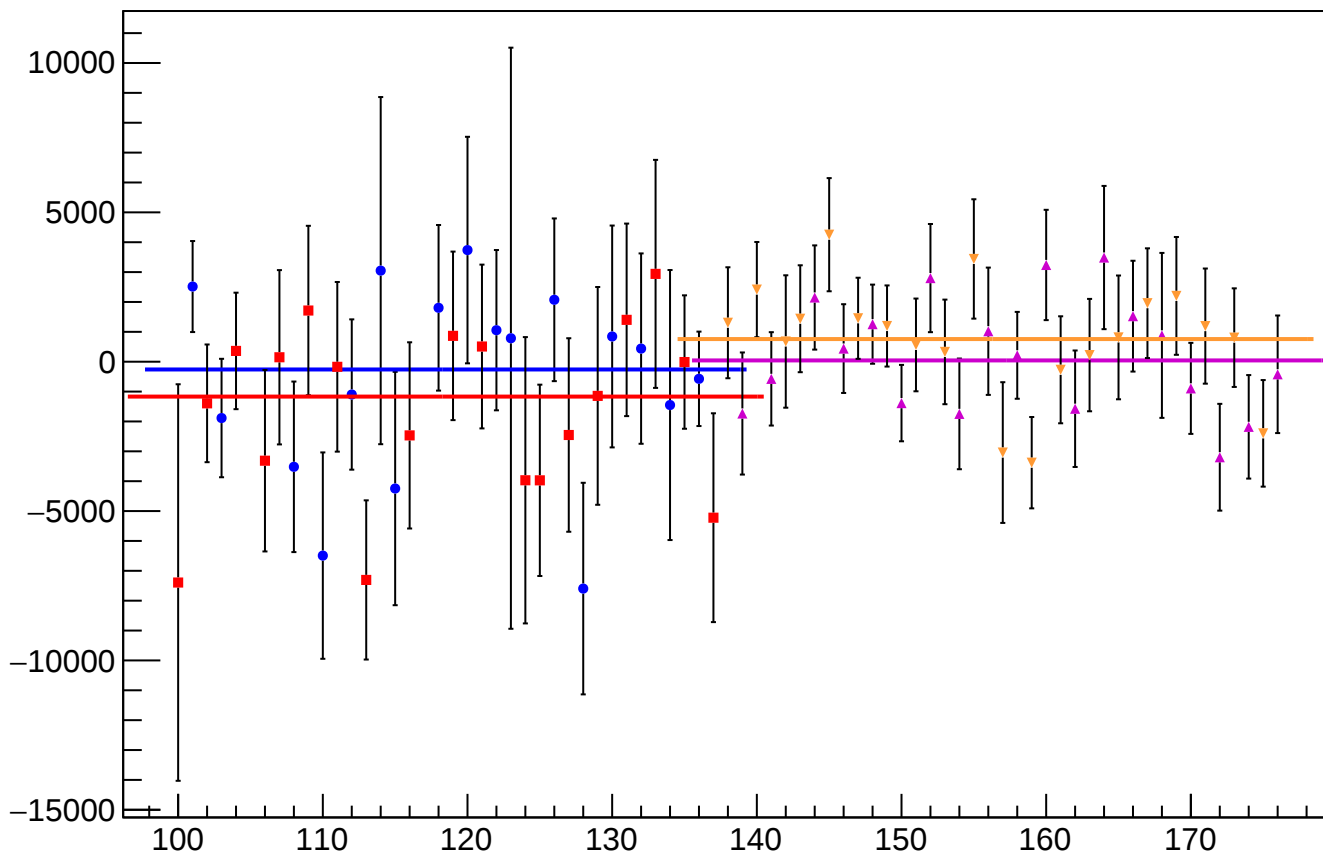
Right: 1120.271 $\pm$ 0.213 χ^2 /NDF: 21816.3/35

In: 1111.433 $\pm$ 0.170 χ^2 /NDF:24374.1/35

Out: 1112.693 $\pm$ 0.167 χ^2 /NDF:25132.9/38

All: 1112.074 $\pm$ 0.119 χ^2 /NDF: 49535.1/74

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -259.821 ± 655.275 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 758.180 ± 392.418 $\chi^2/\text{NDF}: 21.4/19$

Right Out: -1167.598 ± 662.428 $\chi^2/\text{NDF}: 14.4/18$

Left In: 43.147 ± 395.628 $\chi^2/\text{NDF}: 19.8/18$

Left: 403.576 ± 278.610 $\chi^2/\text{NDF}: 42.9/38$

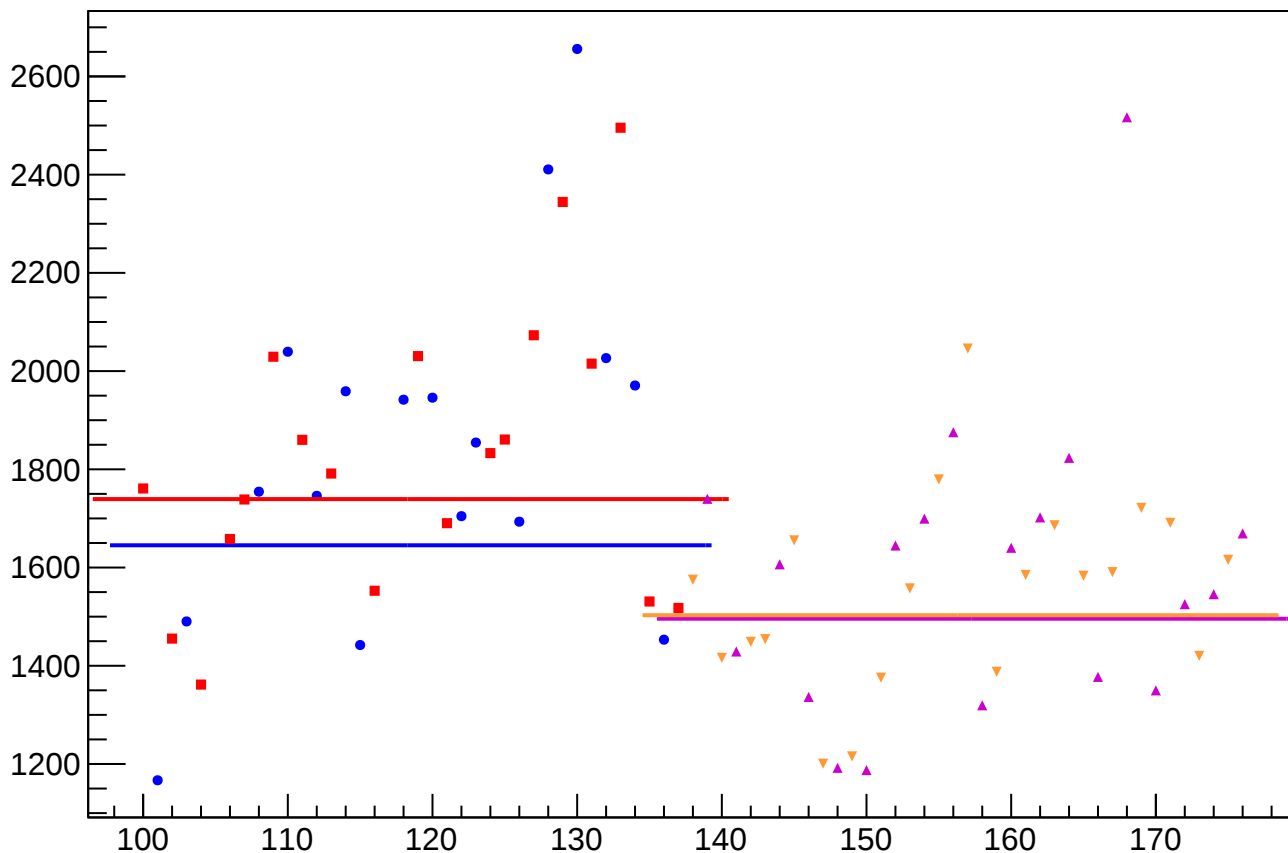
Right: -708.782 ± 465.858 $\chi^2/\text{NDF}: 32.6/35$

In: -37.789 ± 338.686 $\chi^2/\text{NDF}: 37.2/35$

Out: 257.922 ± 337.624 $\chi^2/\text{NDF}: 42.1/38$

All: 110.531 ± 239.111 $\chi^2/\text{NDF}: 79.7/74$

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1502.956+/-0.277 χ^2/NDF : 471961.4/19

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

Left In: 1495.789+/-0.280 χ^2/NDF : 804972.2/18

Left: 1499.402+/-0.197 χ^2/NDF : 1277264.3/38

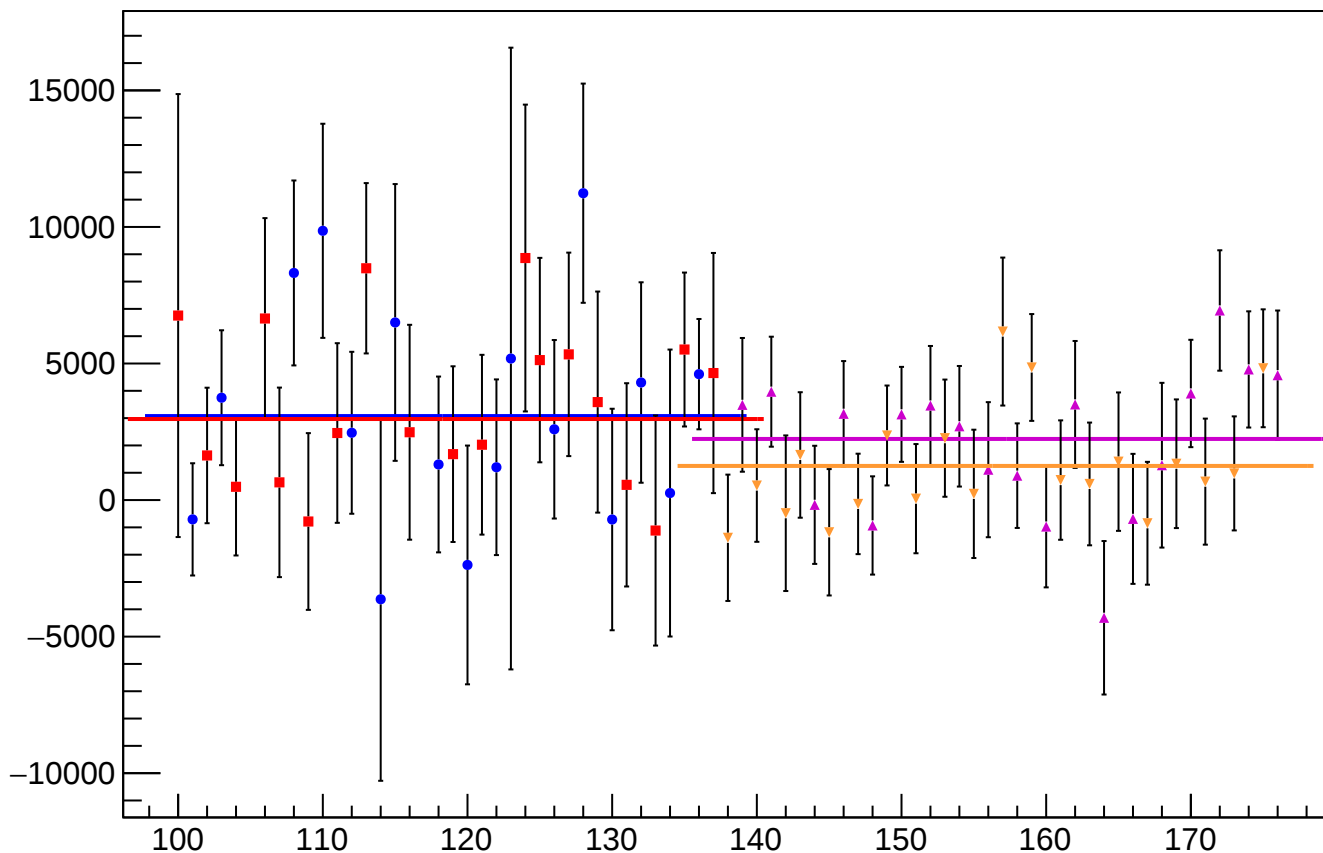
Right: 1691.833+/-0.329 χ^2/NDF : 992315.5/35

In: 1535.732+/-0.239 χ^2/NDF : 1482197.7/35

Out: 1564.372+/-0.239 χ^2/NDF : 1031559.9/38

All: 1550.097+/-0.169 χ^2/NDF : 2520930.9/74

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1249.856 $\pm$ 491.732 χ^2/NDF : 15.2/19

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

Left In: 2237.921 $\pm$ 496.835 χ^2/NDF : 24.0/18

Left: 1738.789 $\pm$ 349.497 χ^2/NDF : 41.2/38

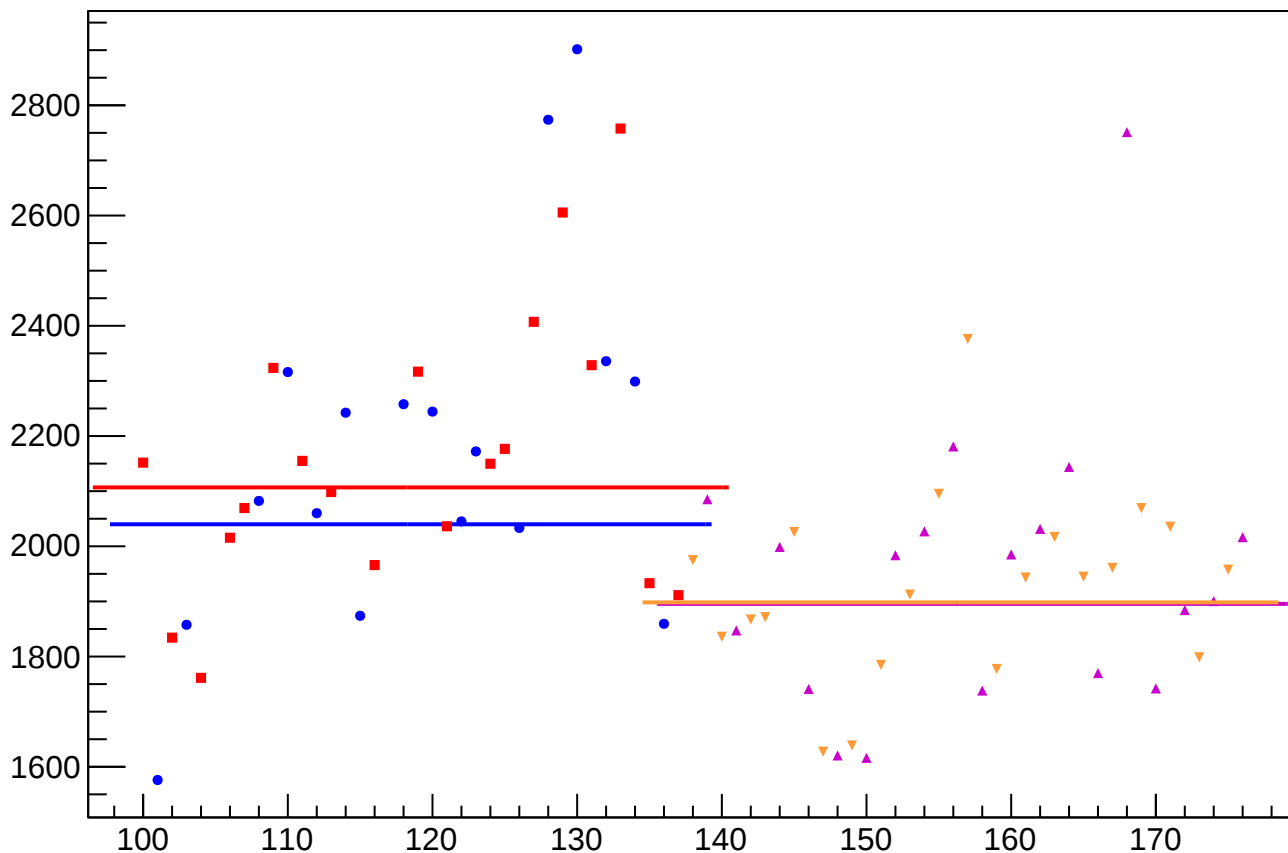
Right: 3021.022 $\pm$ 564.924 χ^2/NDF : 30.5/35

In: 2470.082 $\pm$ 422.393 χ^2/NDF : 43.4/35

Out: 1724.612 $\pm$ 418.292 χ^2/NDF : 30.4/38

All: 2093.711 $\pm$ 297.217 χ^2/NDF : 75.4/74

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1898.252 $\pm$ 0.348 χ^2 /NDF: 217119.0/19

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

Left In: 1895.510 $\pm$ 0.351 χ^2 /NDF: 389193.8/18

Left: 1896.895 $\pm$ 0.247 χ^2 /NDF: 606343.6/38

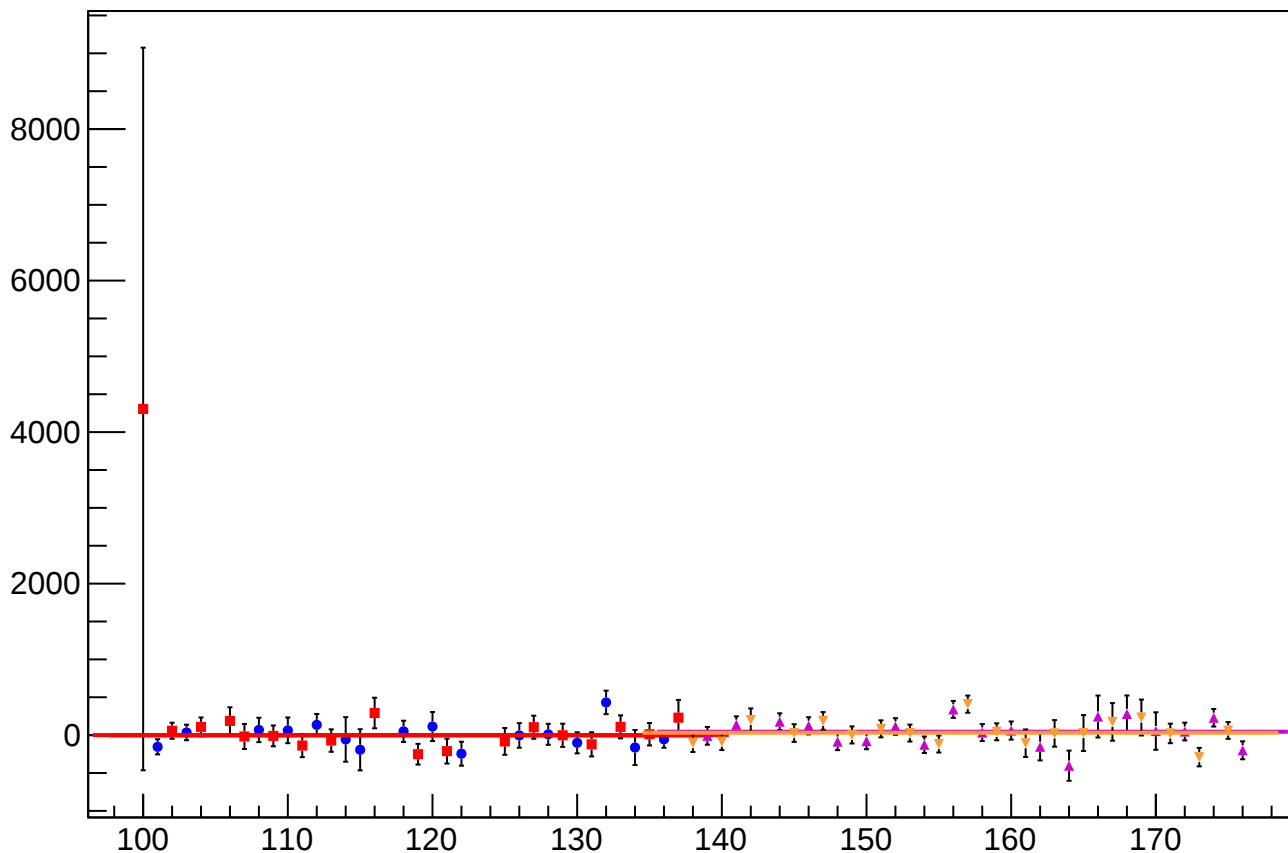
Right: 2073.664 $\pm$ 0.399 χ^2 /NDF: 534442.4/35

In: 1935.549 $\pm$ 0.299 χ^2 /NDF: 768031.8/35

Out: 1955.902 $\pm$ 0.296 χ^2 /NDF: 512027.6/38

All: 1945.825 $\pm$ 0.210 χ^2 /NDF: 1282403.9/74

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -3.283 ± 36.714 $\chi^2/\text{NDF}: 16.1/15$

Left Out: 31.951 ± 29.594 $\chi^2/\text{NDF}: 27.2/18$

Right Out: 0.487 ± 36.699 $\chi^2/\text{NDF}: 14.0/17$

Left In: 45.300 ± 28.922 $\chi^2/\text{NDF}: 29.8/18$

Left: 38.779 ± 20.684 $\chi^2/\text{NDF}: 57.2/37$

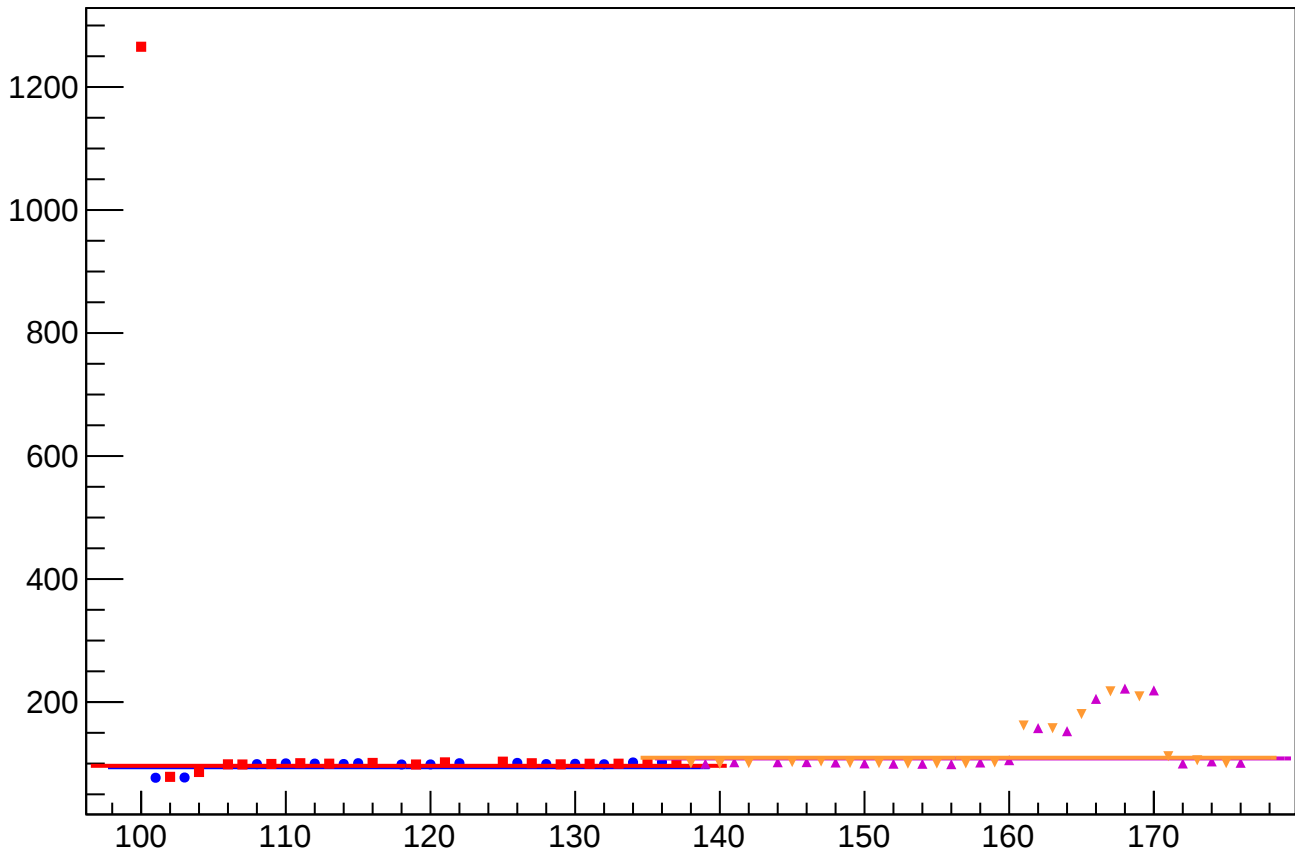
Right: -1.397 ± 25.955 $\chi^2/\text{NDF}: 30.1/33$

In: 26.696 ± 22.719 $\chi^2/\text{NDF}: 47.1/34$

Out: 19.553 ± 23.037 $\chi^2/\text{NDF}: 41.6/36$

All: 23.174 ± 16.176 $\chi^2/\text{NDF}: 88.7/71$

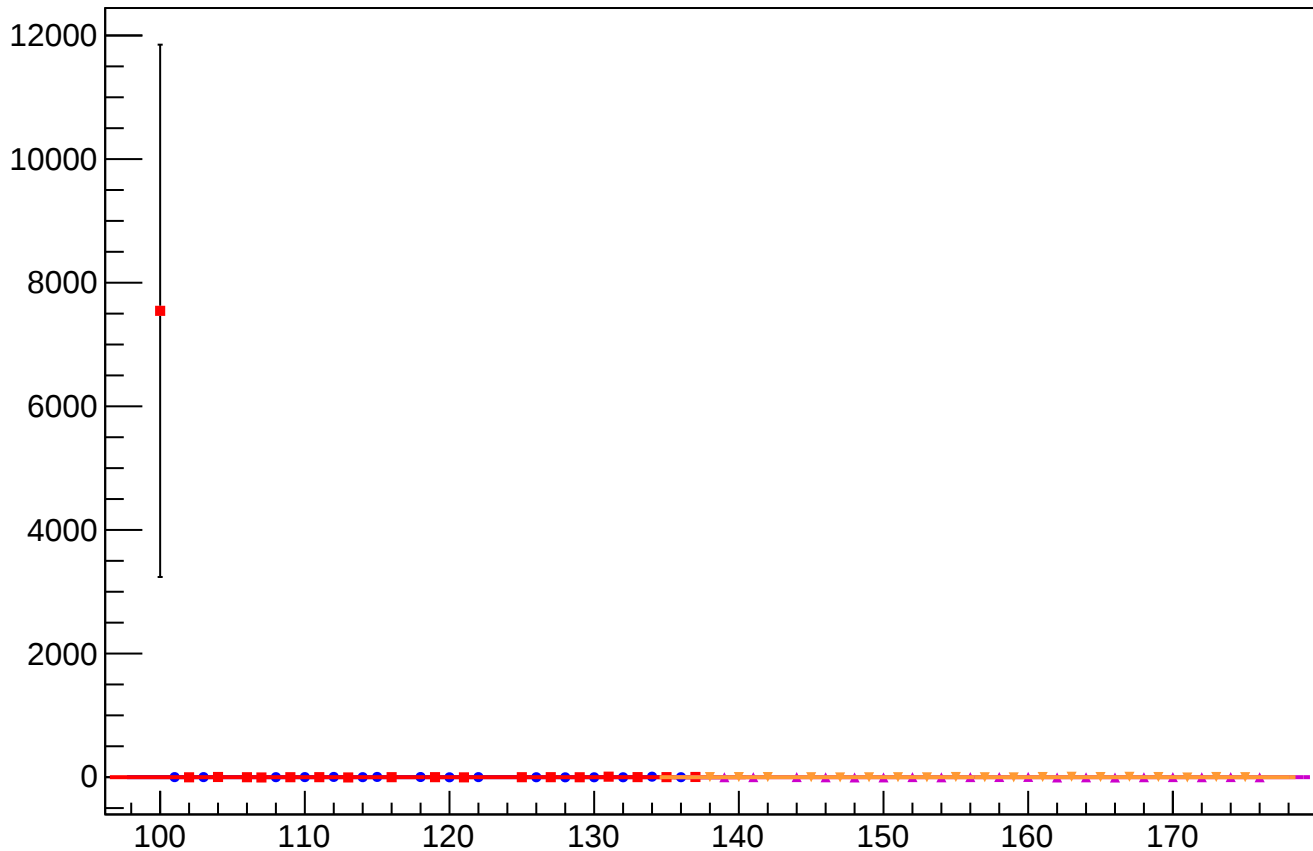
reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.068 $\pm$ 0.026 χ^2 /NDF: 152285.6/15
 Left Out: 109.495 $\pm$ 0.021 χ^2 /NDF:1368452.7/18
 Right Out: 96.372 $\pm$ 0.026 χ^2 /NDF: 209228.5/17
 Left In: 108.351 $\pm$ 0.020 χ^2 /NDF:1441708.1/18

Left: 108.910 $\pm$ 0.015 χ^2 /NDF: 2811691.2/37
 Right: 95.221 $\pm$ 0.018 χ^2 /NDF: 365453.7/33
 In: 102.882 $\pm$ 0.016 χ^2 /NDF:1780764.9/34
 Out: 104.324 $\pm$ 0.016 χ^2 /NDF:1732654.8/36
 All: 103.593 $\pm$ 0.011 χ^2 /NDF: 3517396.6/71

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.426 $\pm$ 0.616 χ^2 /NDF: 9.7/15

Left Out: -0.378 $\pm$ 0.524 χ^2 /NDF:26.9/18

Right Out: -0.313 $\pm$ 0.643 χ^2 /NDF: 22.8/17

Left In: -0.014 $\pm$ 0.531 χ^2 /NDF:22.3/18

Left: -0.199 $\pm$ 0.373 χ^2 /NDF: 49.4/37

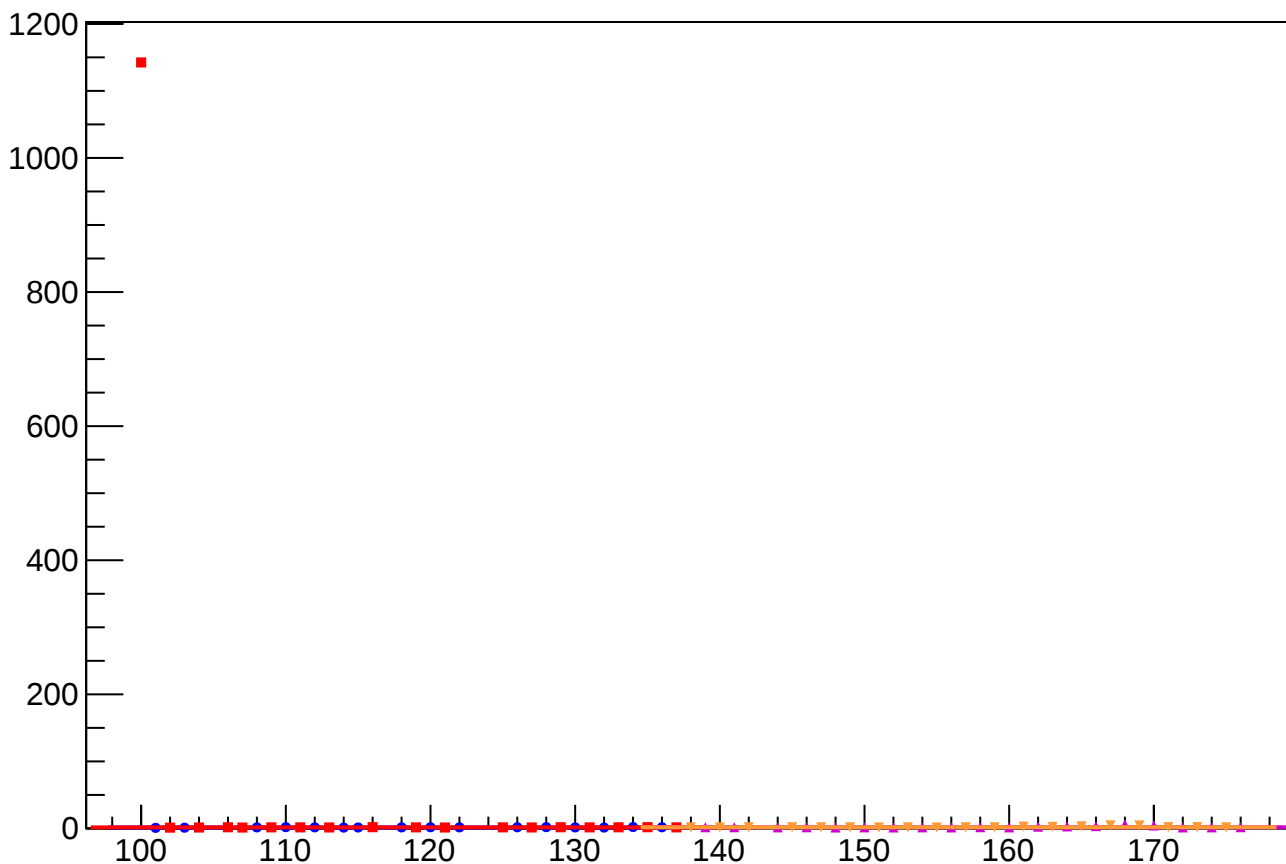
Right: 0.073 $\pm$ 0.445 χ^2 /NDF: 33.2/33

In: 0.174 $\pm$ 0.402 χ^2 /NDF:32.3/34

Out: -0.352 $\pm$ 0.406 χ^2 /NDF:49.6/36

All: -0.087 $\pm$ 0.286 χ^2 /NDF: 82.8/71

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.744+/-0.000 χ^2/NDF :1483911.0/18

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

Left In: 1.813+/-0.000 χ^2/NDF :1797606.9/18

Left: 1.778+/-0.000 χ^2/NDF : 3298296.9/37

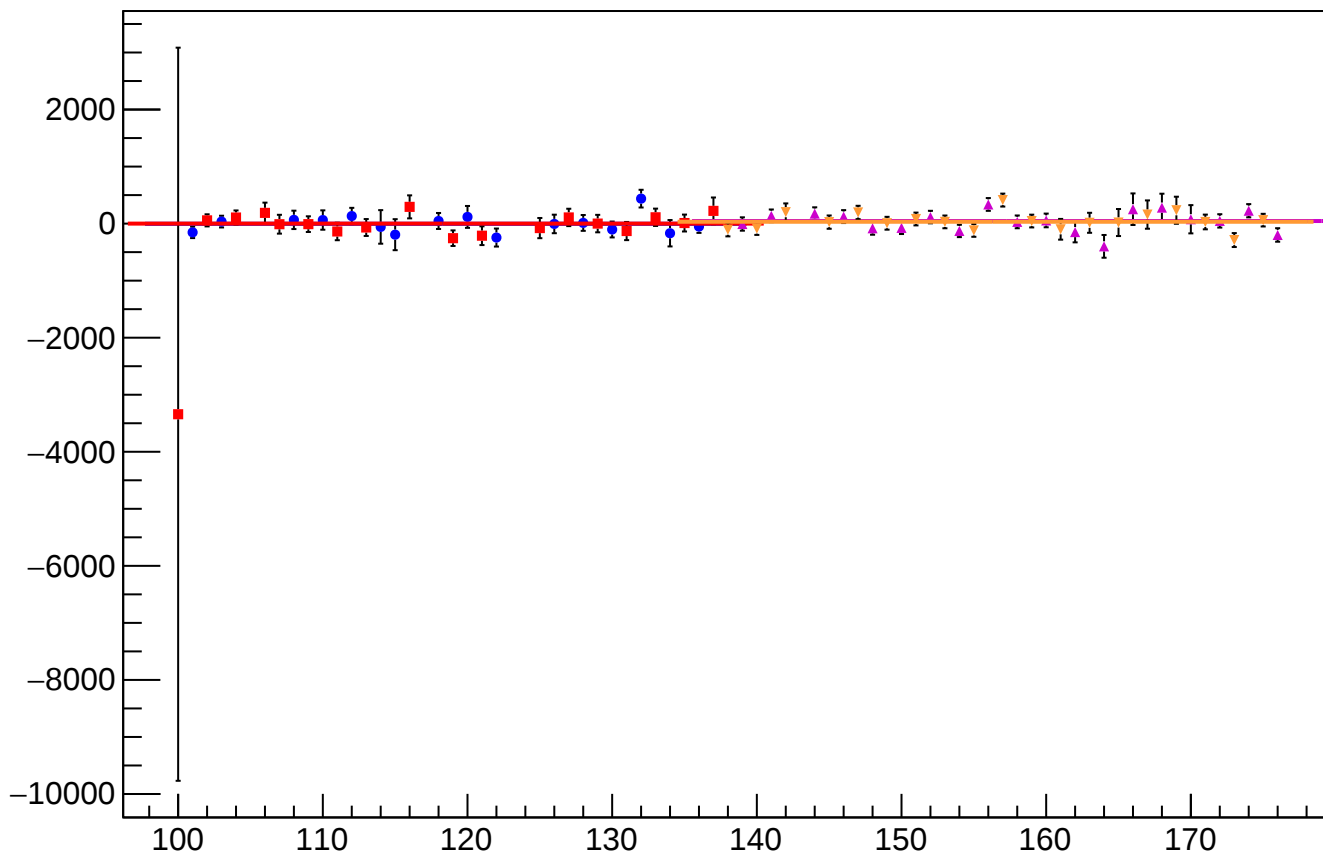
Right: 1.485+/-0.000 χ^2/NDF : 1093611.9/33

In: 1.645+/-0.000 χ^2/NDF :2995973.6/34

Out: 1.669+/-0.000 χ^2/NDF :1903493.7/36

All: 1.657+/-0.000 χ^2/NDF : 4903003.5/71

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 32.804 ± 29.603 χ^2/NDF : 27.5/18

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

Left In: 45.451 ± 28.931 χ^2/NDF : 29.2/18

Left: 39.272 ± 20.691 χ^2/NDF : 56.8/37

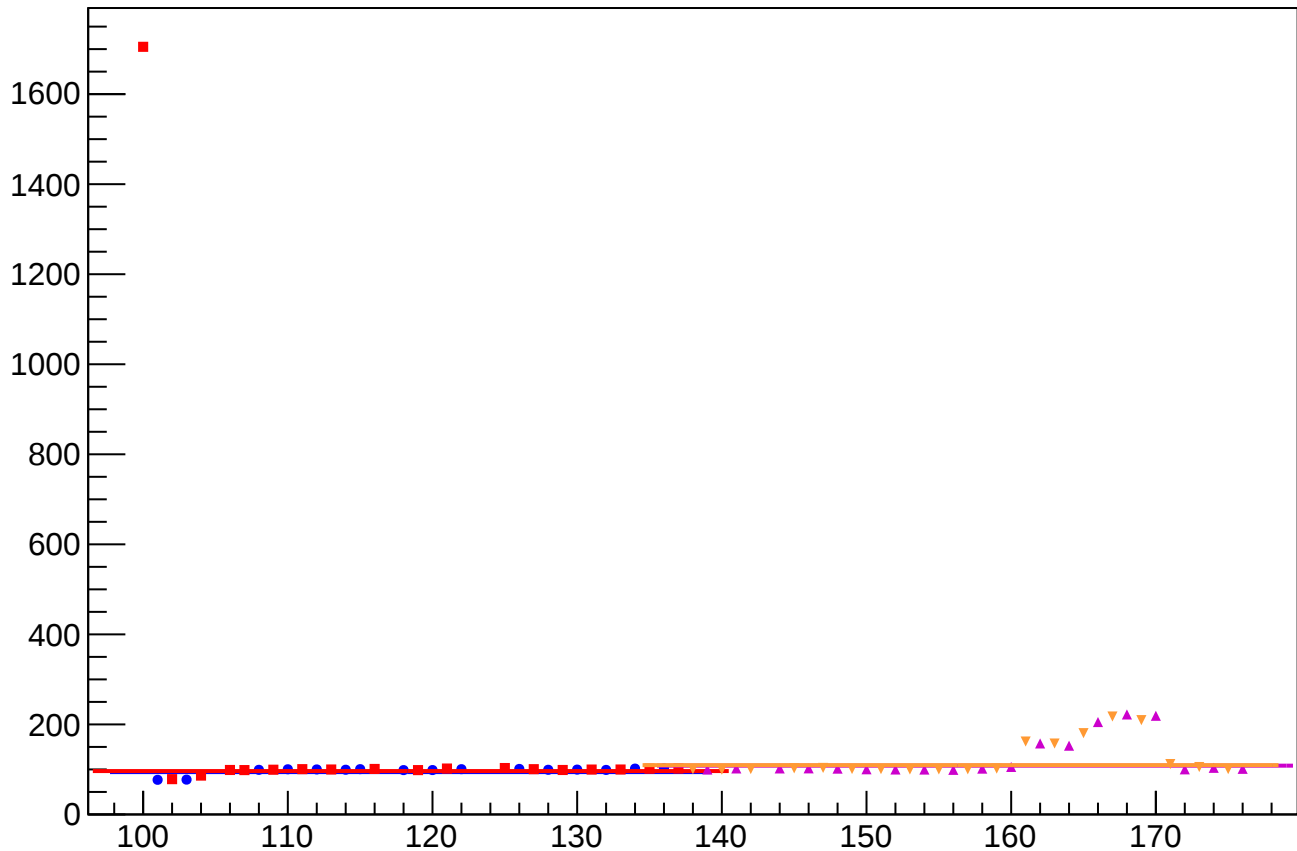
Right: -1.463 ± 25.962 χ^2/NDF : 29.8/33

In: 26.858 ± 22.726 χ^2/NDF : 46.6/34

Out: 19.945 ± 23.043 χ^2/NDF : 41.5/36

All: 23.450 ± 16.181 χ^2/NDF : 88.2/71

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 109.525+/-0.021 χ^2/NDF : 1369780.5/18

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

Left In: 108.381+/-0.020 χ^2/NDF : 1442954.3/18

Left: 108.940+/-0.015 χ^2/NDF : 2814263.6/37

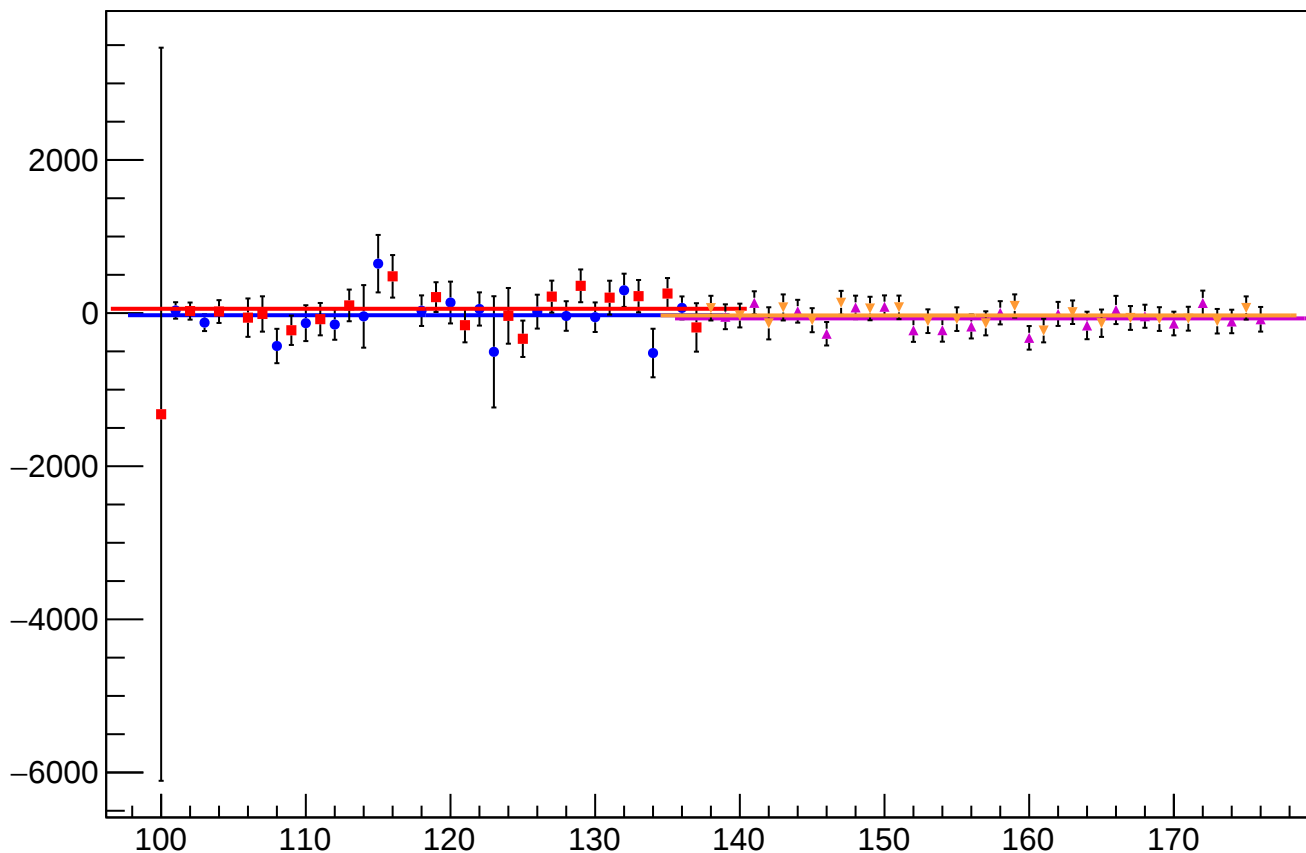
Right: 95.237+/-0.018 χ^2/NDF : 370551.8/33

In: 102.909+/-0.016 χ^2/NDF : 1782083.7/34

Out: 104.346+/-0.016 χ^2/NDF : 1739530.8/36

All: 103.618+/-0.011 χ^2/NDF : 3525554.9/71

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -30.477 ± 35.487 χ^2/NDF : 7.4/19

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

Left In: -69.273 ± 35.856 χ^2/NDF : 14.0/18

Left: -49.674 ± 25.223 χ^2/NDF : 22.0/38

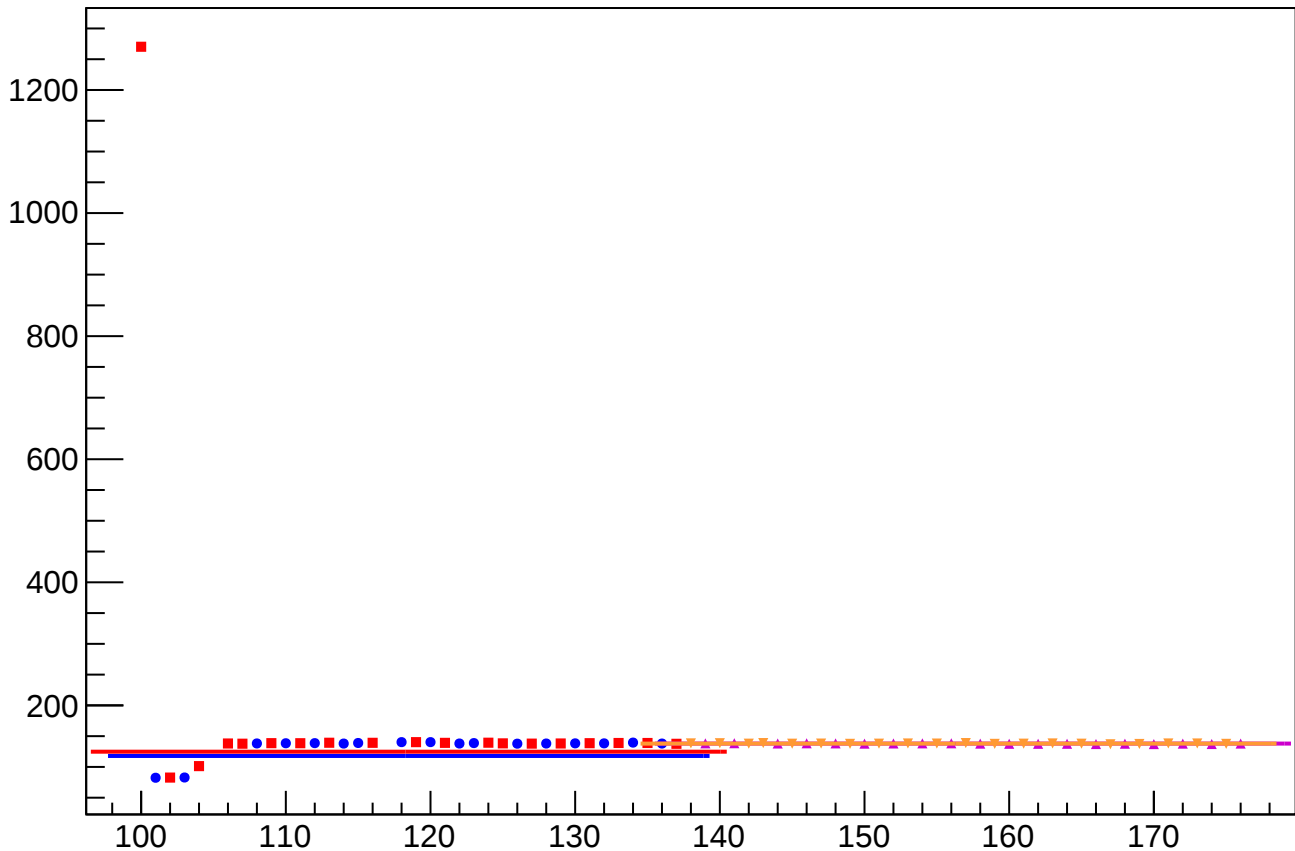
Right: 13.449 ± 33.401 χ^2/NDF : 30.8/35

In: -53.938 ± 28.457 χ^2/NDF : 28.8/35

Out: 0.469 ± 28.474 χ^2/NDF : 24.4/38

All: -26.751 ± 20.128 χ^2/NDF : 55.0/74

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.899 $\pm$ 0.025 χ^2 /NDF:345.0/19

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

Left In: 137.931 $\pm$ 0.025 χ^2 /NDF:263.0/18

Left: 137.915 $\pm$ 0.018 χ^2 /NDF: 608.8/38

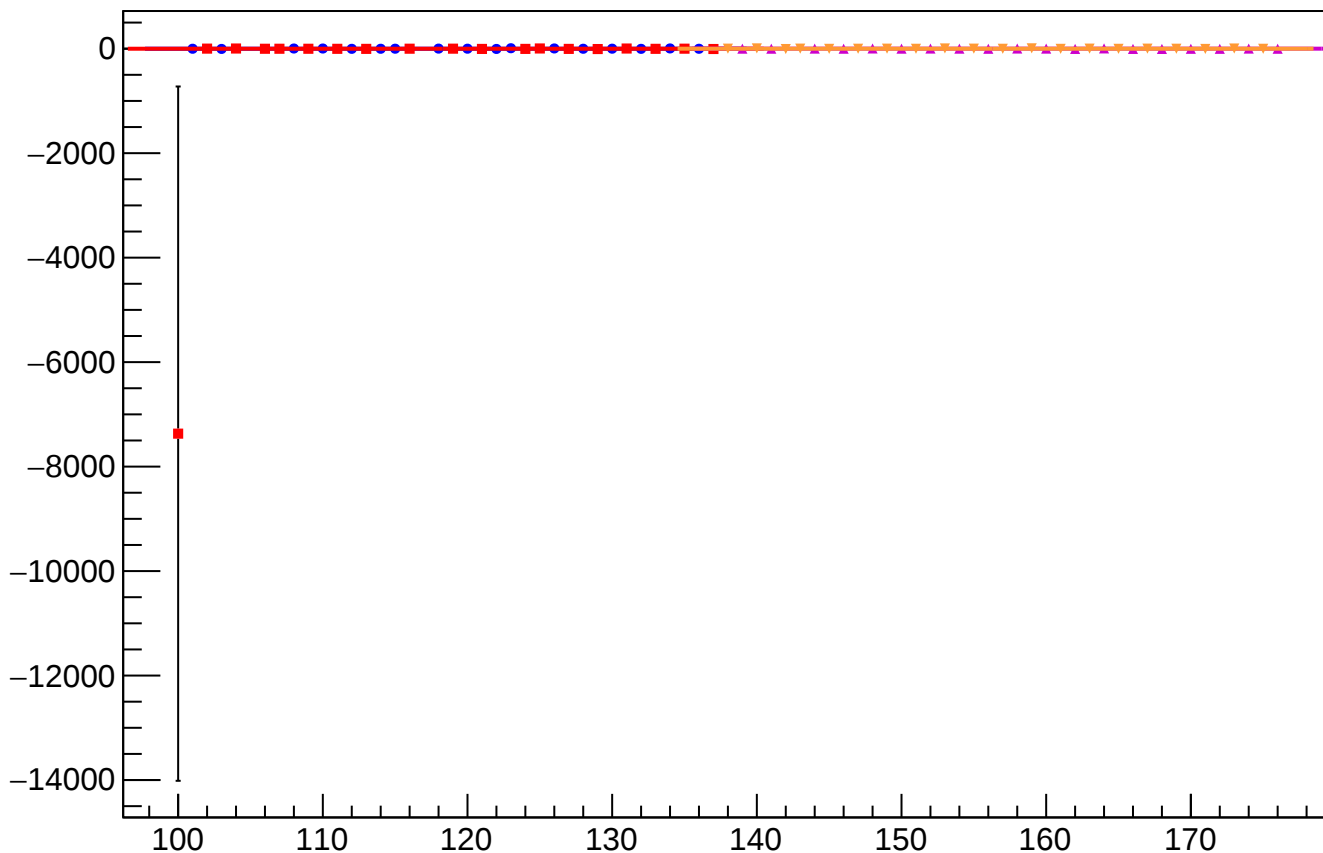
Right: 121.221 $\pm$ 0.024 χ^2 /NDF: 1257984.7/35

In: 130.486 $\pm$ 0.020 χ^2 /NDF:899817.5/35

Out: 133.220 $\pm$ 0.020 χ^2 /NDF:667722.8/38

All: 131.852 $\pm$ 0.014 χ^2 /NDF: 1576767.5/74

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.285+/-0.624 χ^2 /NDF:24.6/19

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

Left In: 0.538+/-0.631 χ^2 /NDF:17.2/18

Left: 0.410+/-0.444 χ^2 /NDF: 41.9/38

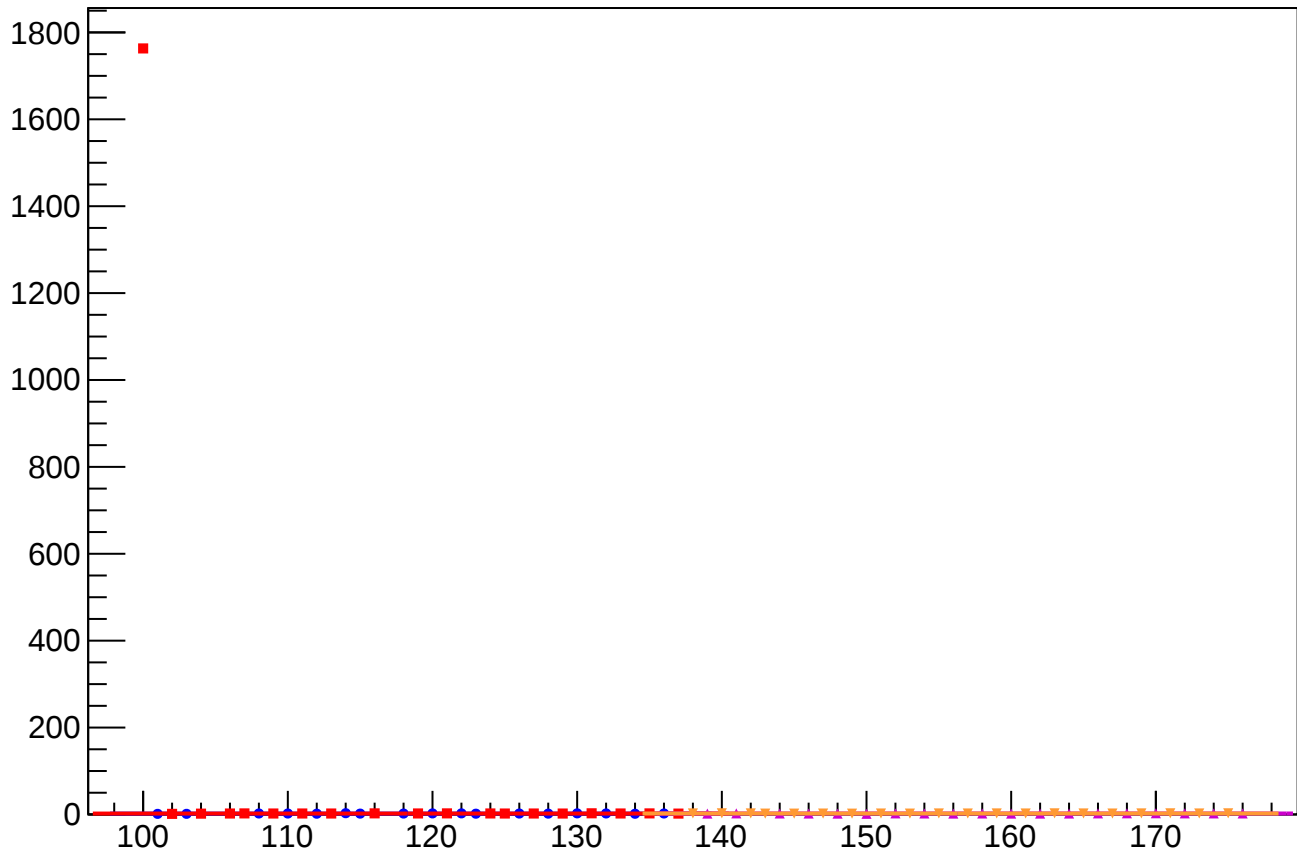
Right: -0.673+/-0.587 χ^2 /NDF: 26.3/35

In: 0.073+/-0.498 χ^2 /NDF:31.3/35

Out: -0.042+/-0.503 χ^2 /NDF:39.1/38

All: 0.016+/-0.354 χ^2 /NDF: 70.4/74

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.229 $\pm$ 0.000 χ^2 /NDF: 292537.3/19

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

Left In: 2.195 $\pm$ 0.000 χ^2 /NDF: 488753.8/18

Left: 2.212 $\pm$ 0.000 χ^2 /NDF: 784246.0/38

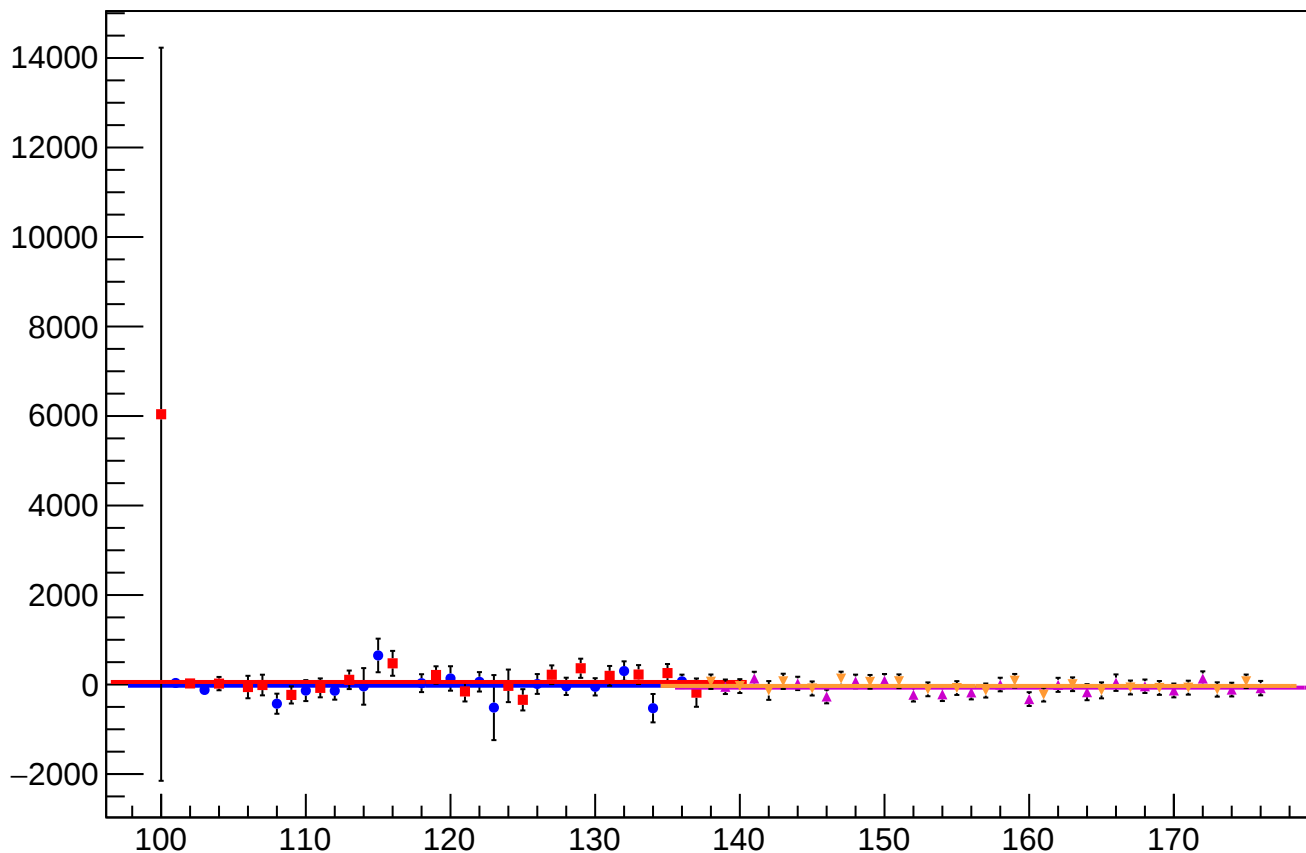
Right: 1.962 $\pm$ 0.000 χ^2 /NDF: 1074296.8/35

In: 2.072 $\pm$ 0.000 χ^2 /NDF: 1183410.6/35

Out: 2.172 $\pm$ 0.000 χ^2 /NDF: 866308.3/38

All: 2.121 $\pm$ 0.000 χ^2 /NDF: 2089364.5/74

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -31.029+/-35.497 χ^2/NDF : 7.2/19

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

Left In: -69.540+/-35.866 χ^2/NDF : 14.1/18

Left: -50.085+/-25.230 χ^2/NDF : 21.8/38

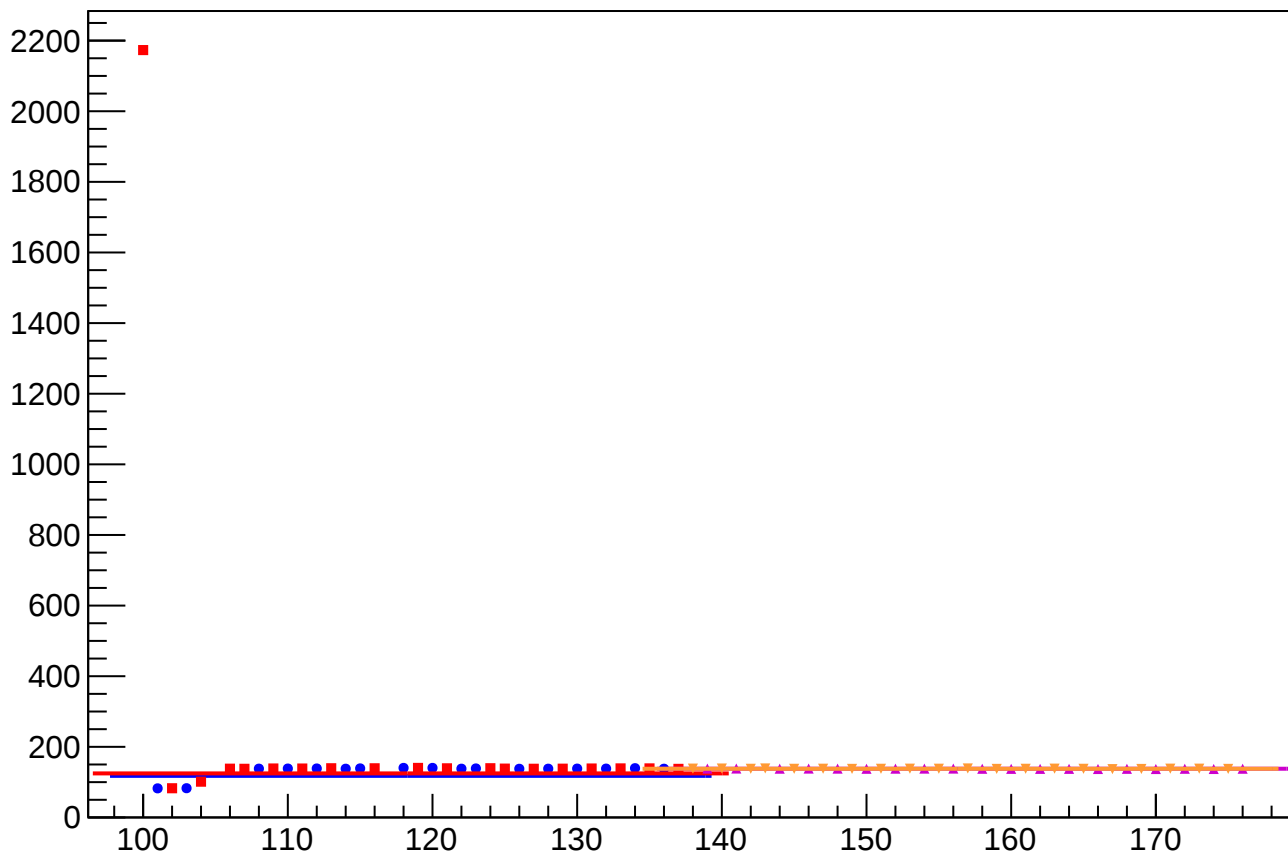
Right: 14.681+/-33.410 χ^2/NDF : 31.4/35

In: -53.521+/-28.465 χ^2/NDF : 29.0/35

Out: 0.422+/-28.482 χ^2/NDF : 24.9/38

All: -26.565+/-20.134 χ^2/NDF : 55.7/74

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.936 $\pm$ 0.025 χ^2 /NDF: 344.4/19

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

Left In: 137.969 $\pm$ 0.025 χ^2 /NDF: 259.8/18

Left: 137.953 $\pm$ 0.018 χ^2 /NDF: 605.0/38

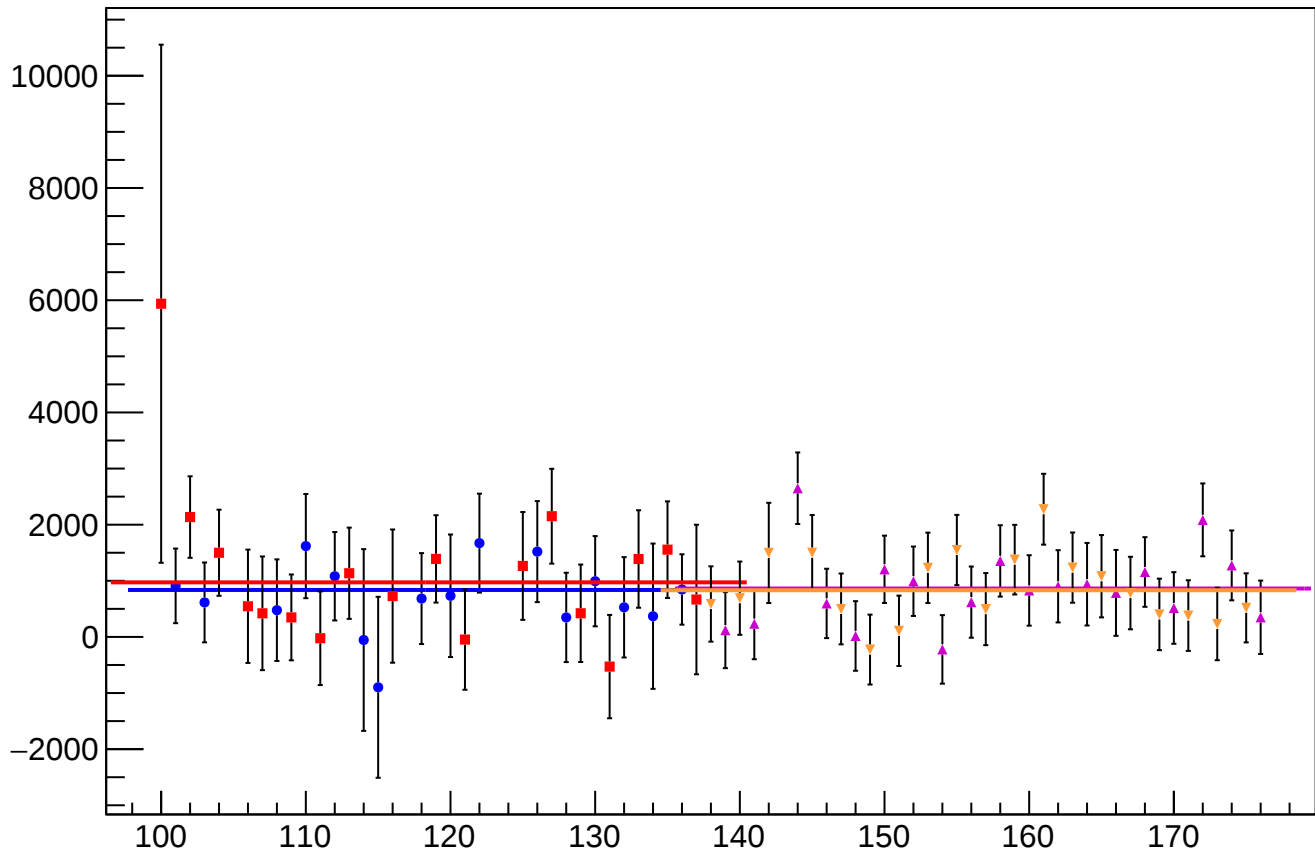
Right: 121.231 $\pm$ 0.024 χ^2 /NDF: 1268326.7/35

In: 130.522 $\pm$ 0.020 χ^2 /NDF: 899890.2/35

Out: 133.240 $\pm$ 0.020 χ^2 /NDF: 678966.0/38

All: 131.880 $\pm$ 0.014 χ^2 /NDF: 1587972.0/74

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 831.838+/-148.882 χ^2/NDF : 16.8/18

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

Left In: 862.635+/-147.044 χ^2/NDF : 21.5/18

Left: 847.428+/-104.620 χ^2/NDF : 38.4/37

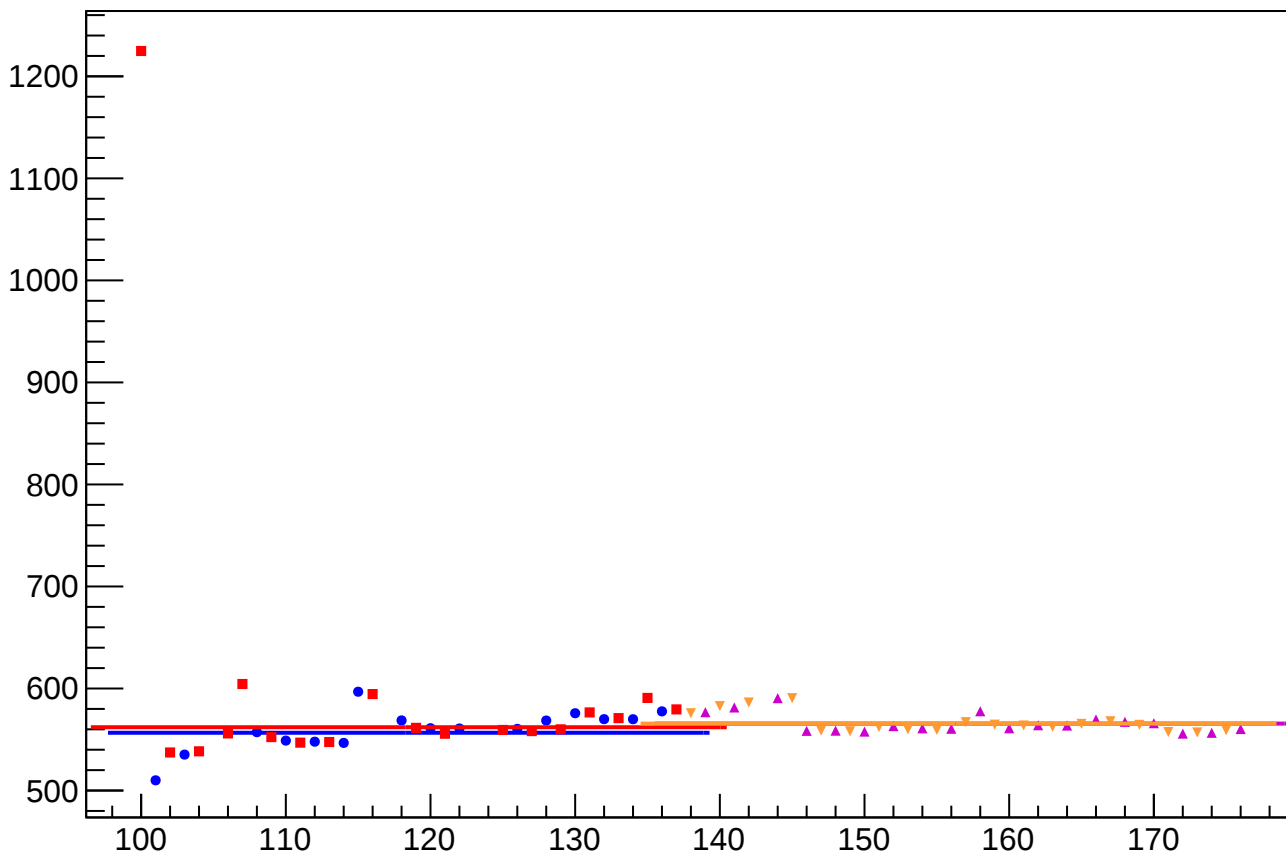
Right: 905.821+/-151.634 χ^2/NDF : 19.2/33

In: 854.541+/-121.584 χ^2/NDF : 26.2/34

Out: 878.055+/-121.980 χ^2/NDF : 31.4/36

All: 866.260+/-86.113 χ^2/NDF : 57.7/71

reg_asym_left_avg_rms vs Slug, Sign Corrected



Right In: 556.637 $\pm$ 0.153 χ^2 /NDF: 18391.7/15

Left Out: 565.585 $\pm$ 0.105 χ^2 /NDF: 7636.7/18

Right Out: 562.048 $\pm$ 0.150 χ^2 /NDF: 55575.3/17

Left In: 565.606 $\pm$ 0.104 χ^2 /NDF: 7920.7/18

Left: 565.595 $\pm$ 0.074 χ^2 /NDF: 15557.4/37

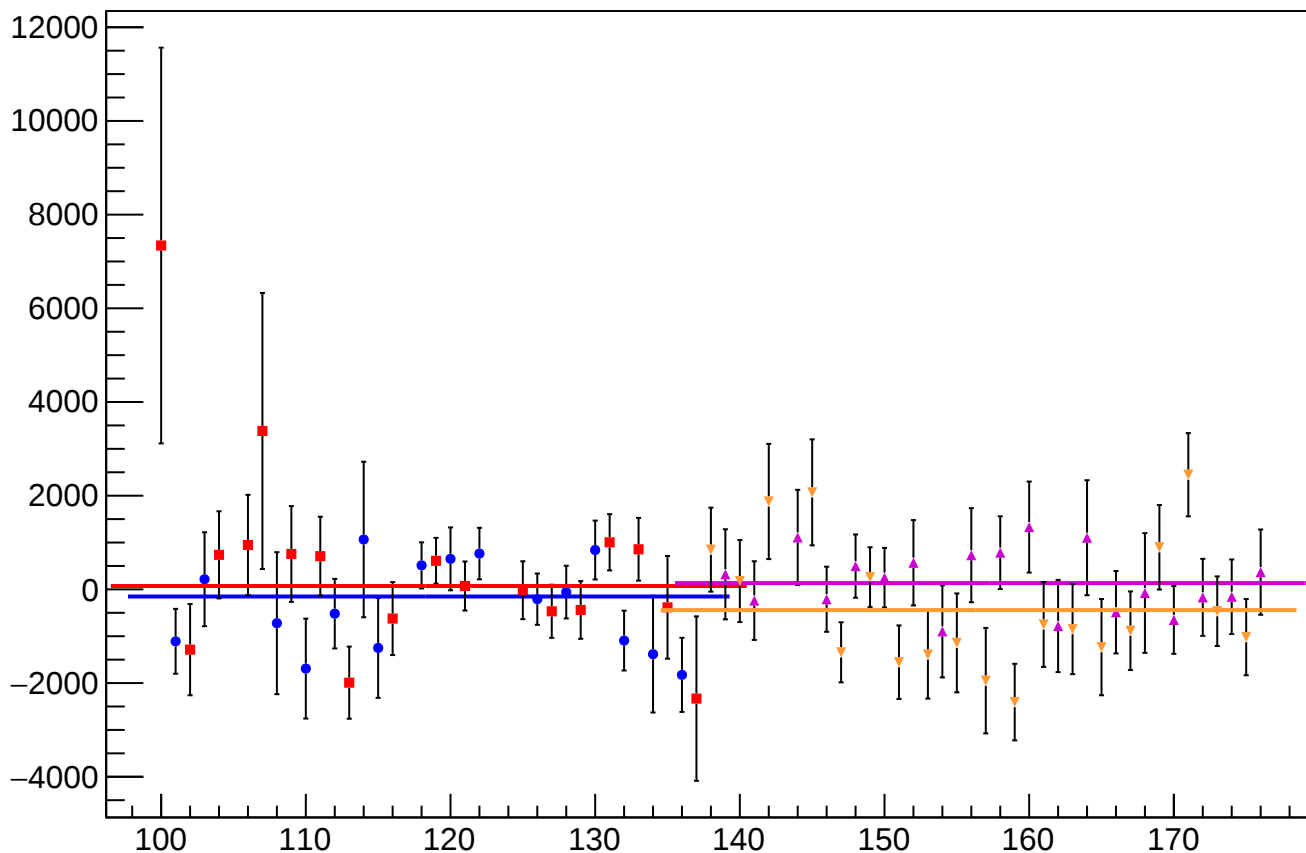
Right: 559.386 $\pm$ 0.107 χ^2 /NDF: 74603.5/33

In: 562.769 $\pm$ 0.086 χ^2 /NDF: 28665.8/34

Out: 564.422 $\pm$ 0.086 χ^2 /NDF: 63583.0/36

All: 563.593 $\pm$ 0.061 χ^2 /NDF: 92433.1/71

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -441.888+/-198.830 χ^2/NDF :39.7/18

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

Left In: 134.808+/-196.397 χ^2/NDF :9.2/18

Left: -149.990+/-139.726 χ^2/NDF : 53.1/37

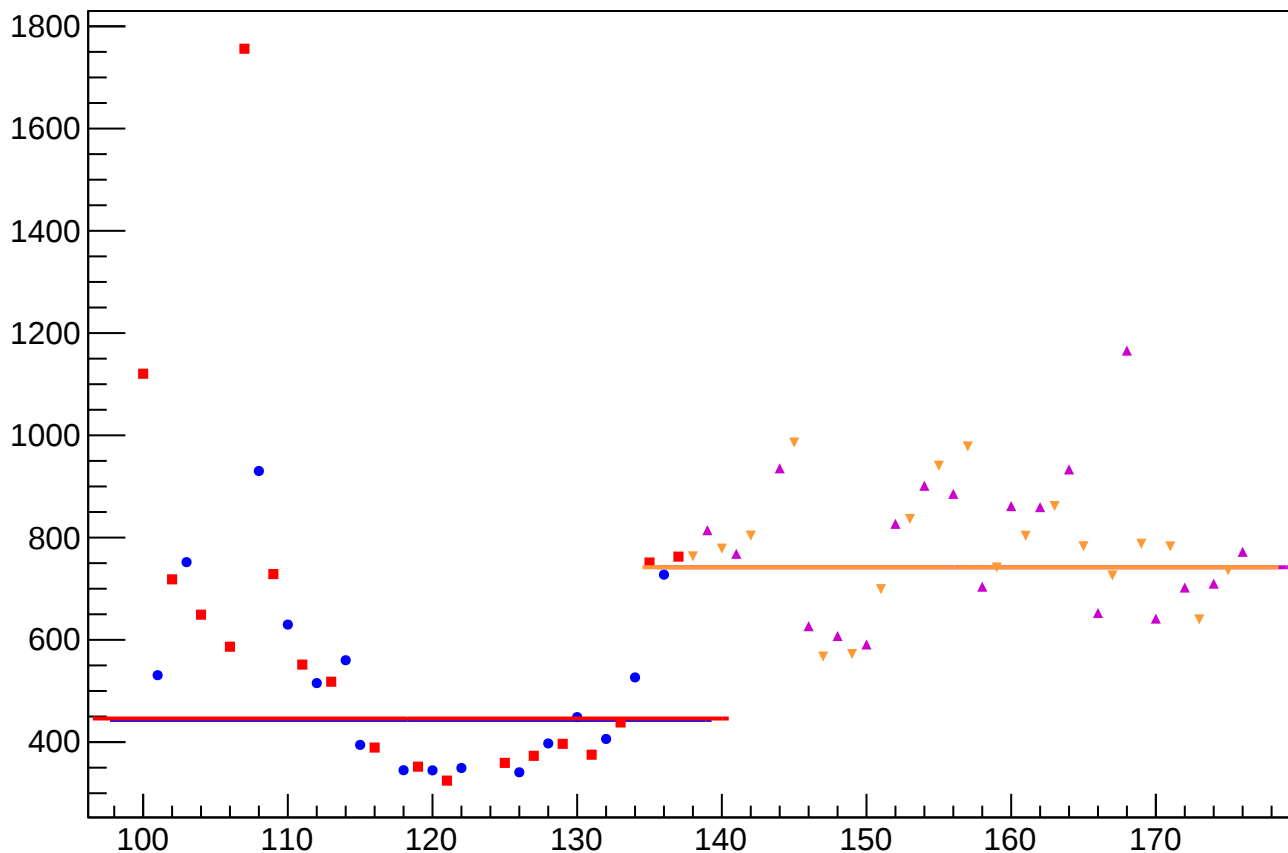
Right: -39.177+/-126.832 χ^2/NDF : 48.1/33

In: -20.938+/-132.729 χ^2/NDF :32.6/34

Out: -157.705+/-132.894 χ^2/NDF :68.4/36

All: -89.236+/-93.912 χ^2/NDF : 101.6/71

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 742.030+/-0.141 χ^2/NDF : 668354.2/18

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

Left In: 741.954+/-0.139 χ^2/NDF : 844810.1/18

Left: 741.992+/-0.099 χ^2/NDF : 1513164.4/37

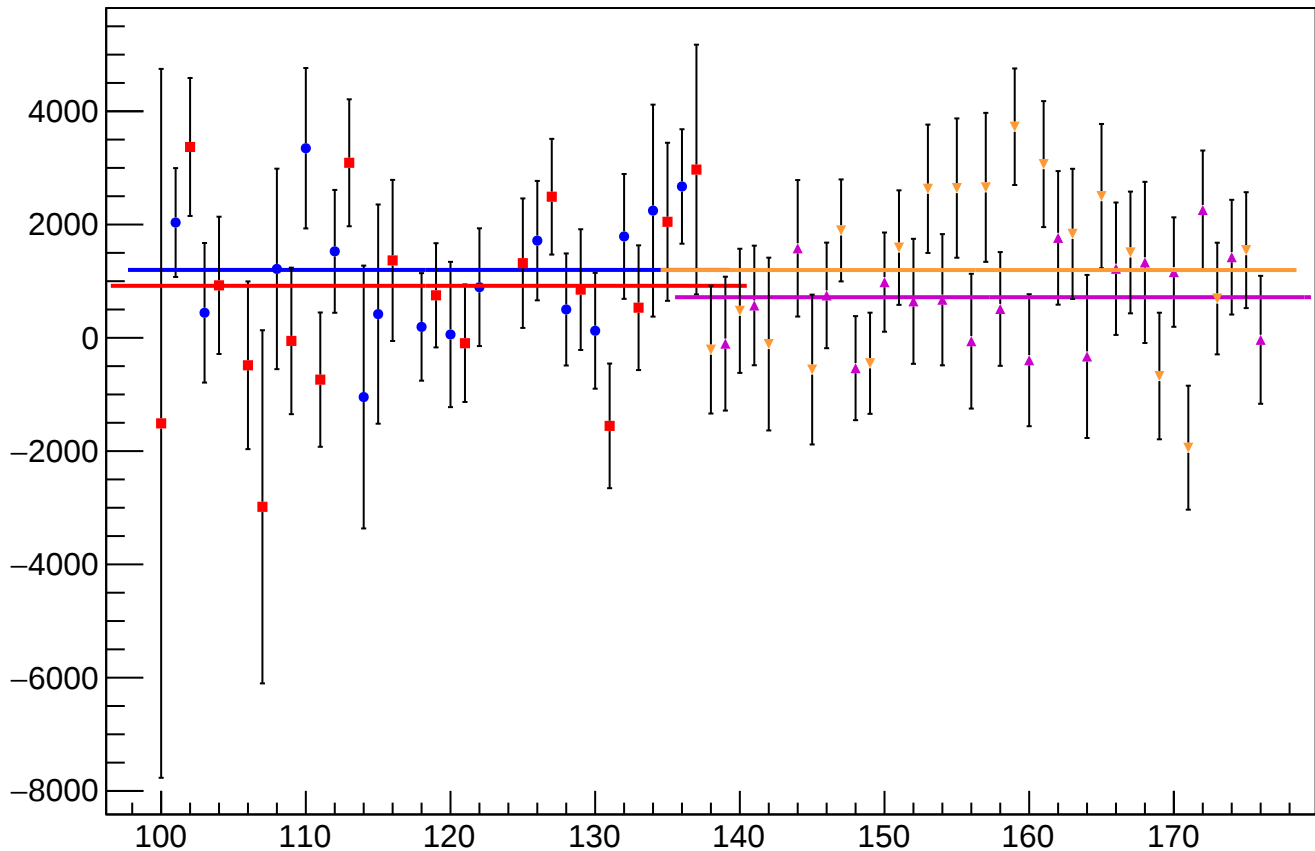
Right: 444.809+/-0.090 χ^2/NDF : 2521153.2/33

In: 579.788+/-0.094 χ^2/NDF : 4415732.1/34

Out: 578.329+/-0.094 χ^2/NDF : 4578763.1/36

All: 579.059+/-0.066 χ^2/NDF : 8994615.9/71

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 1196.495 $\pm$ 252.245 χ^2/NDF : 34.6/18

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

Left In: 717.264 $\pm$ 249.159 χ^2/NDF : 9.3/18

Left: 953.930 $\pm$ 177.263 χ^2/NDF : 45.7/37

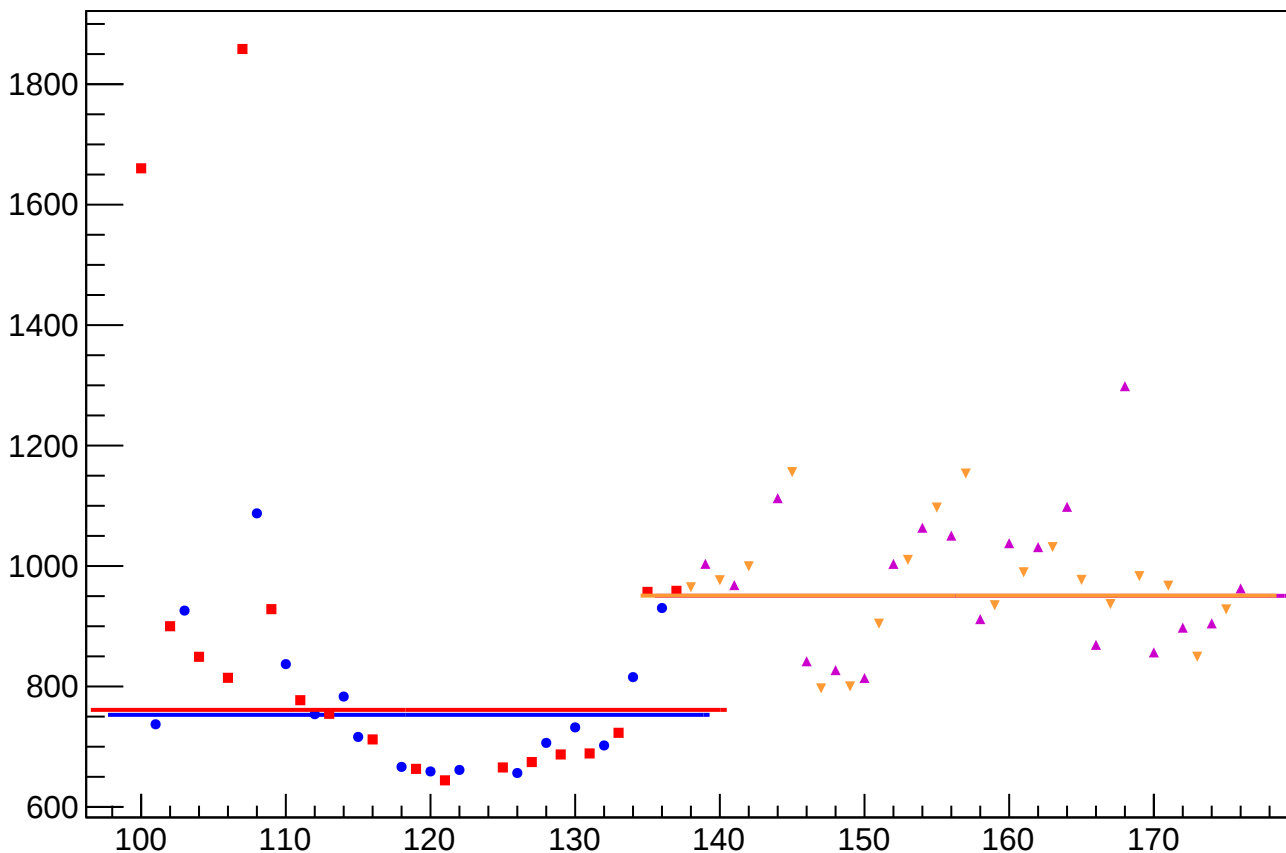
Right: 1057.763 $\pm$ 208.076 χ^2/NDF : 34.9/33

In: 917.631 $\pm$ 190.415 χ^2/NDF : 22.1/34

Out: 1078.260 $\pm$ 191.244 χ^2/NDF : 58.3/36

All: 997.597 $\pm$ 134.936 χ^2/NDF : 80.7/71

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 950.866+/-0.178 χ^2/NDF : 290710.6/18

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

Left In: 950.502+/-0.176 χ^2/NDF : 392833.1/18

Left: 950.682+/-0.125 χ^2/NDF : 683545.8/37

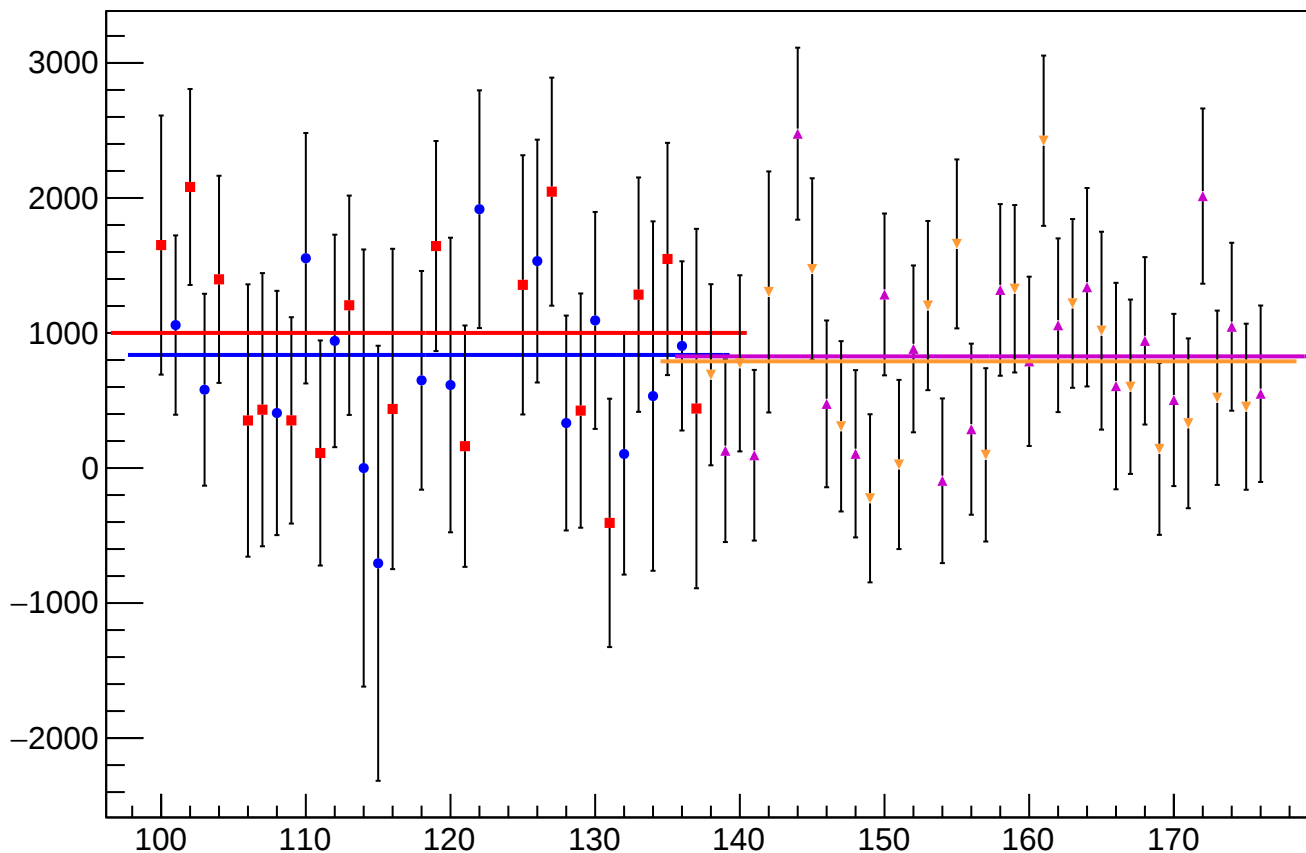
Right: 757.076+/-0.147 χ^2/NDF : 770443.9/33

In: 868.325+/-0.135 χ^2/NDF : 1168403.1/34

Out: 870.207+/-0.135 χ^2/NDF : 1288816.2/36

All: 869.262+/-0.095 χ^2/NDF : 2457316.7/71

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 790.234+/-148.759 χ^2/NDF : 19.8/18

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

Left In: 826.979+/-146.923 χ^2/NDF : 19.6/18

Left: 808.835+/-104.533 χ^2/NDF : 39.5/37

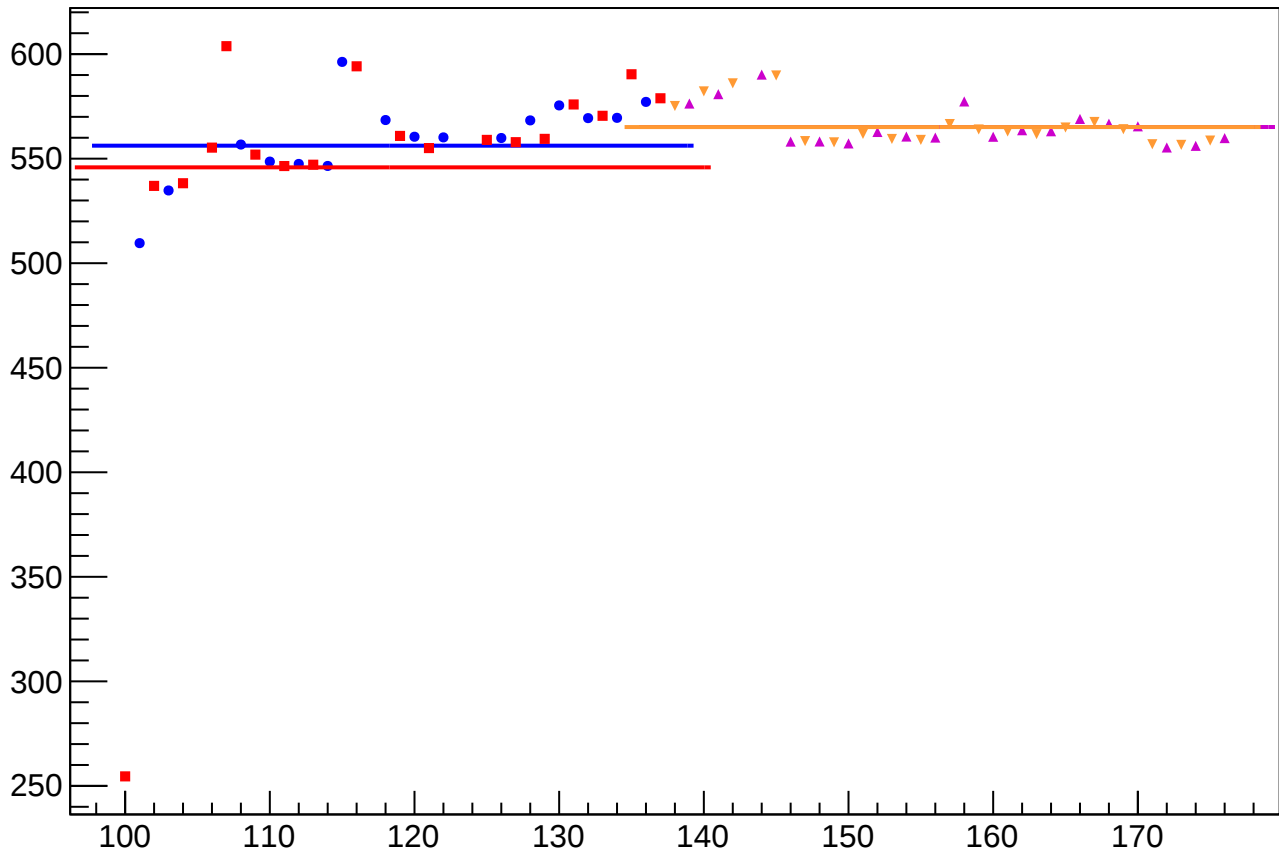
Right: 922.267+/-149.737 χ^2/NDF : 18.5/33

In: 830.325+/-121.486 χ^2/NDF : 25.3/34

Out: 861.543+/-120.949 χ^2/NDF : 33.0/36

All: 846.003+/-85.713 χ^2/NDF : 58.4/71

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 565.117 $\pm$ 0.105 χ^2 /NDF: 7570.9/18

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

Left In: 565.138 $\pm$ 0.104 χ^2 /NDF: 7950.7/18

Left: 565.128 $\pm$ 0.074 χ^2 /NDF: 15521.6/37

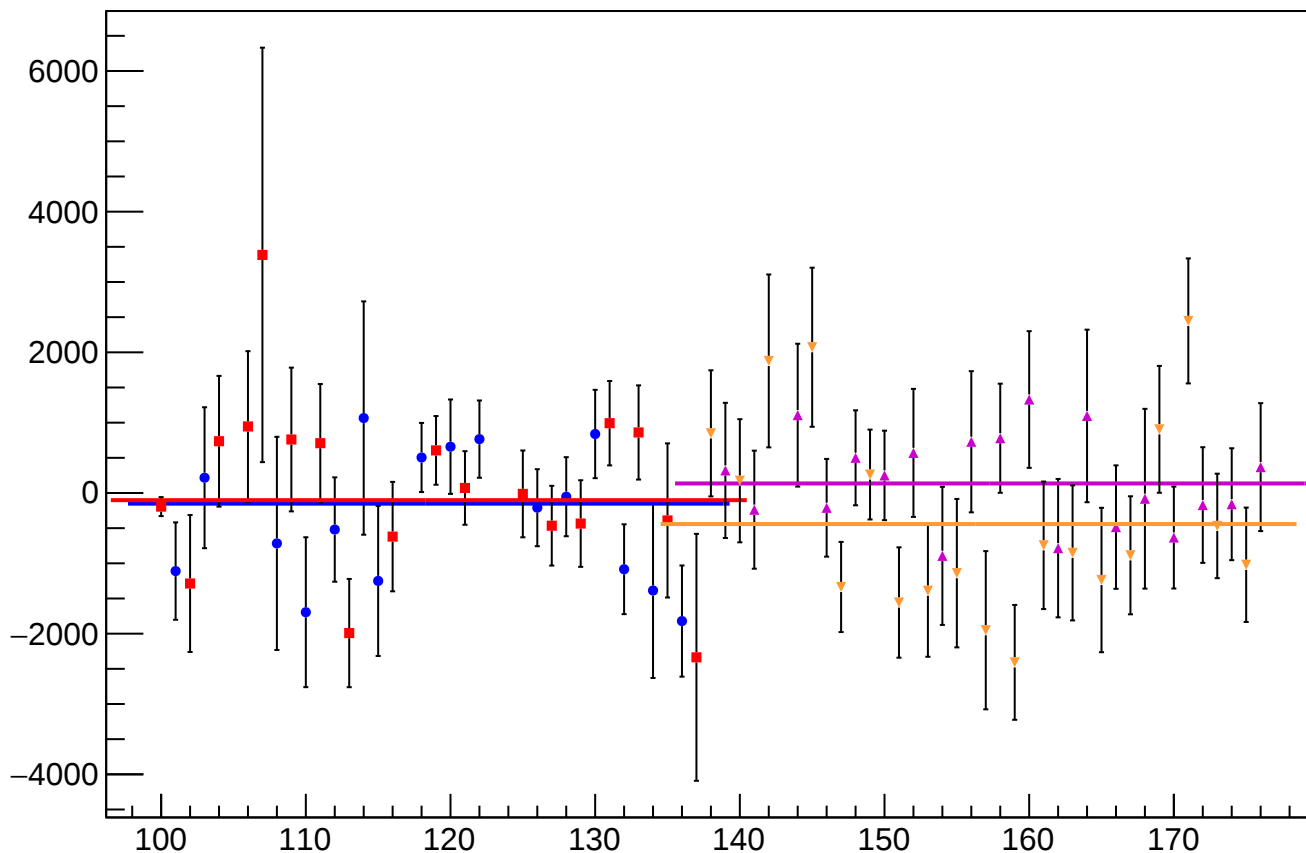
Right: 550.825 $\pm$ 0.106 χ^2 /NDF: 228450.1/33

In: 562.314 $\pm$ 0.086 χ^2 /NDF: 28703.9/34

Out: 558.585 $\pm$ 0.086 χ^2 /NDF: 226589.9/36

All: 560.441 $\pm$ 0.061 χ^2 /NDF: 256240.3/71

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -441.802+/-198.748 χ^2/NDF : 39.8/18

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

Left In: 135.730+/-196.309 χ^2/NDF : 9.1/18

Left: -149.470+/-139.666 χ^2/NDF : 53.1/37

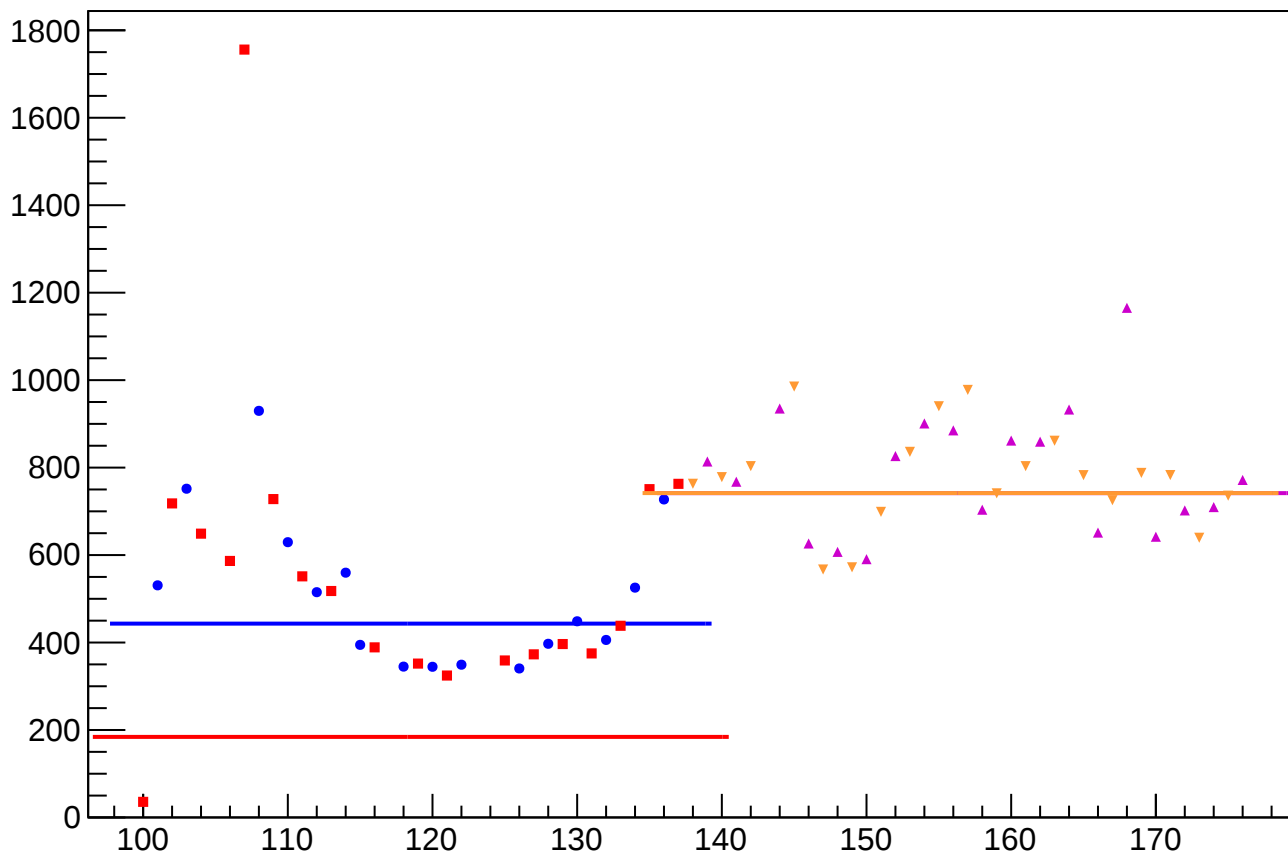
Right: -115.099+/-92.423 χ^2/NDF : 45.6/33

In: -20.295+/-132.667 χ^2/NDF : 32.5/34

Out: -179.201+/-94.696 χ^2/NDF : 65.3/36

All: -125.567+/-77.075 χ^2/NDF : 98.7/71

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 741.739+/-0.141 χ^2/NDF : 668996.3/18

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

Left In: 741.619+/-0.139 χ^2/NDF : 844987.7/18

Left: 741.678+/-0.099 χ^2/NDF : 1513984.3/37

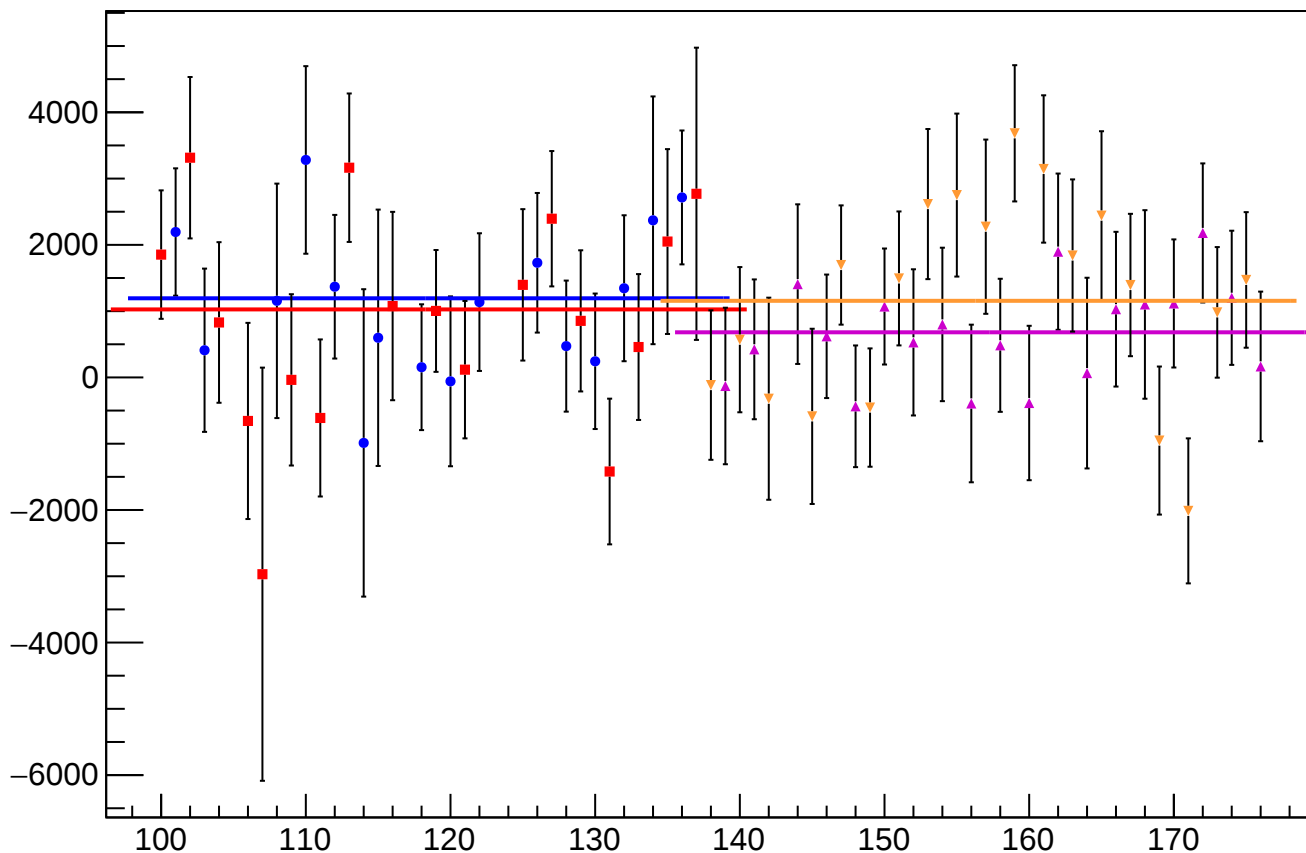
Right: 252.512+/-0.065 χ^2/NDF : 12190461.3/33

In: 579.514+/-0.094 χ^2/NDF : 4415991.7/34

Out: 310.781+/-0.067 χ^2/NDF : 20914039.1/36

All: 401.485+/-0.055 χ^2/NDF : 30766489.6/73

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 1155.783 $\pm$ 252.102 χ^2/NDF : 34.8/18

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

Left In: 680.774 $\pm$ 249.013 χ^2/NDF : 8.4/18

Left: 915.350 $\pm$ 177.161 χ^2/NDF : 45.0/37

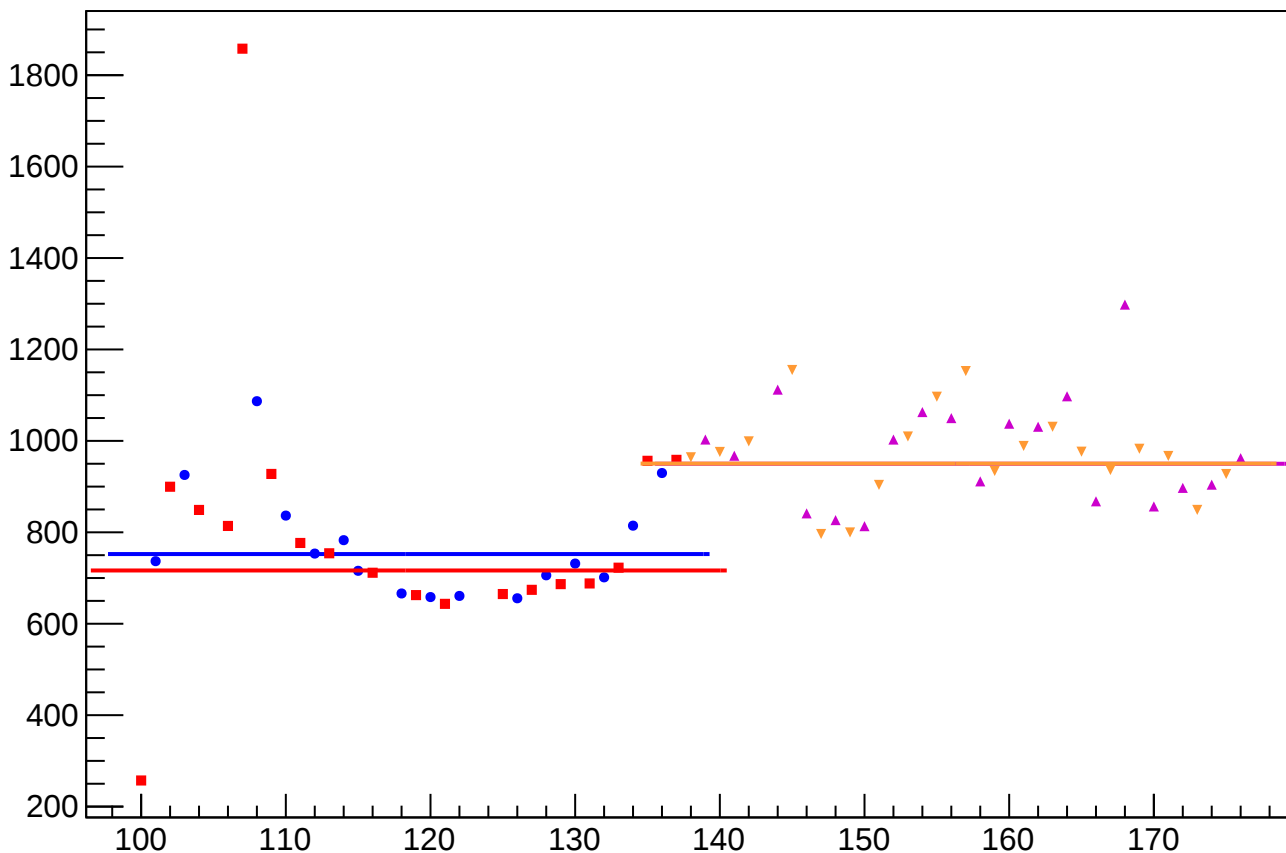
Right: 1105.849 $\pm$ 203.414 χ^2/NDF : 33.9/33

In: 894.209 $\pm$ 190.297 χ^2/NDF : 21.4/34

Out: 1097.923 $\pm$ 187.598 χ^2/NDF : 57.4/36

All: 997.521 $\pm$ 133.596 χ^2/NDF : 79.4/71

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 950.339+/-0.178 χ^2/NDF : 290634.9/18

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

Left In: 949.940+/-0.176 χ^2/NDF : 393064.2/18

Left: 950.137+/-0.125 χ^2/NDF : 683701.6/37

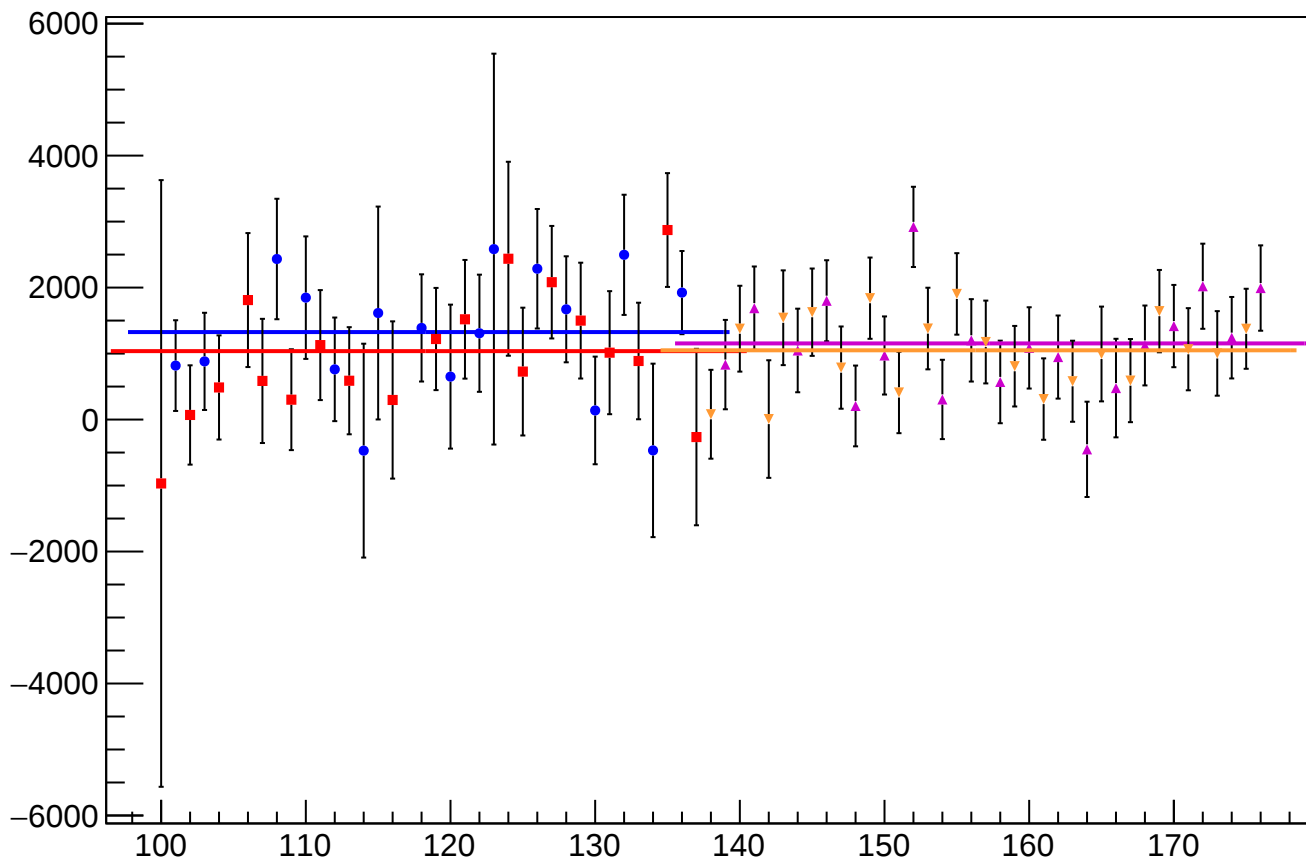
Right: 733.589+/-0.144 χ^2/NDF : 1235181.4/33

In: 867.777+/-0.135 χ^2/NDF : 1169192.2/34

Out: 845.994+/-0.133 χ^2/NDF : 2025320.6/36

All: 856.730+/-0.094 χ^2/NDF : 3207801.9/71

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1049.417 $\pm$ 143.748 χ^2 /NDF:14.0/19

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

Left In: 1153.947 $\pm$ 145.037 χ^2 /NDF:25.4/18

Left: 1101.215 $\pm$ 102.098 χ^2 /NDF: 39.7/38

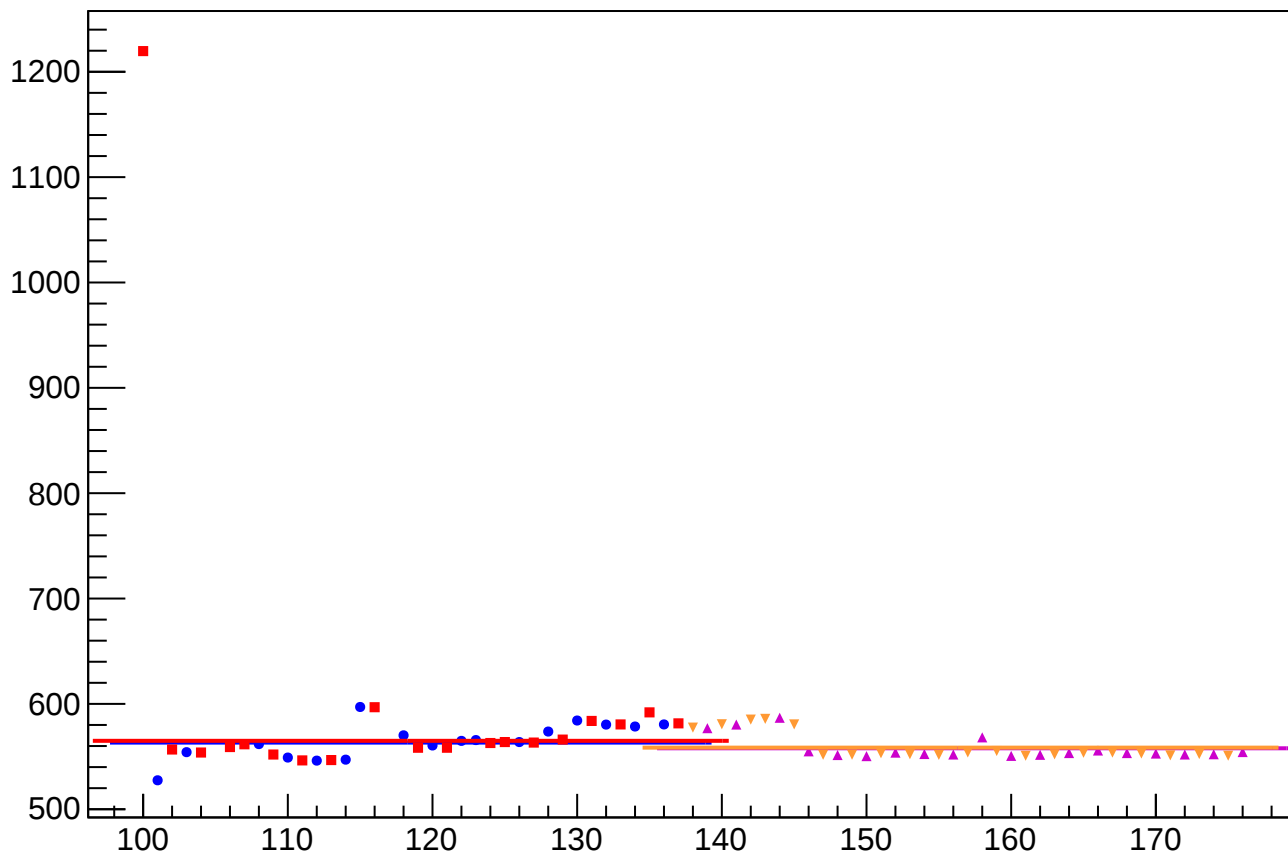
Right: 1177.020 $\pm$ 151.865 χ^2 /NDF: 27.2/35

In: 1206.633 $\pm$ 120.772 χ^2 /NDF:38.8/35

Out: 1045.504 $\pm$ 118.903 χ^2 /NDF:27.4/38

All: 1124.812 $\pm$ 84.730 χ^2 /NDF: 67.1/74

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 558.477 $\pm$ 0.102 χ^2 /NDF:13717.2/19

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

Left In: 557.855 $\pm$ 0.103 χ^2 /NDF:11084.3/18

Left: 558.169 $\pm$ 0.072 χ^2 /NDF: 24820.1/38

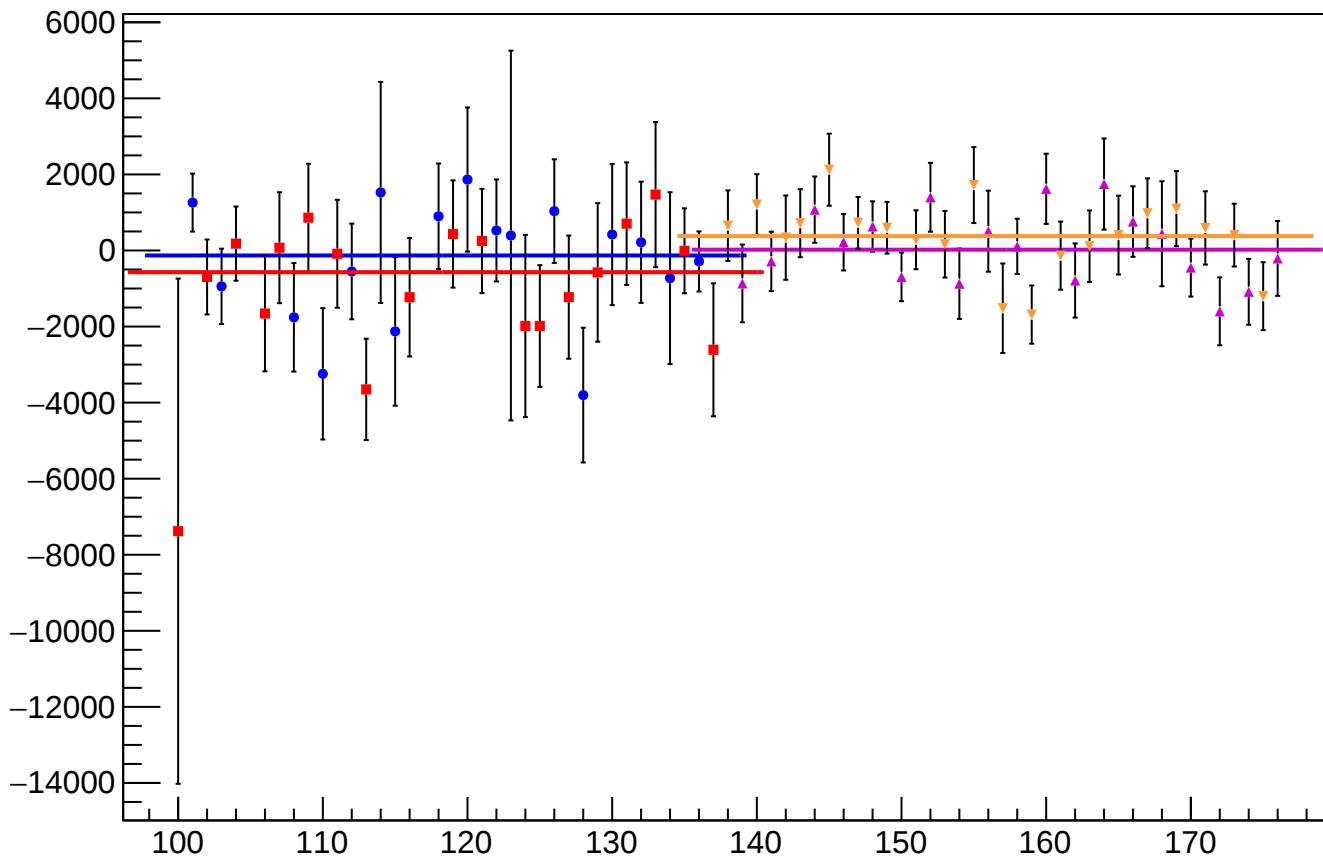
Right: 564.130 $\pm$ 0.107 χ^2 /NDF: 61877.2/35

In: 559.514 $\pm$ 0.085 χ^2 /NDF:24457.9/35

Out: 560.519 $\pm$ 0.084 χ^2 /NDF:64291.5/38

All: 560.025 $\pm$ 0.060 χ^2 /NDF: 88819.7/74

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 379.306 $\pm$ 196.177 χ^2 /NDF: 21.4/19

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

Left In: 21.319 $\pm$ 197.766 χ^2 /NDF: 19.9/18

Left: 201.757 $\pm$ 139.276 χ^2 /NDF: 42.9/38

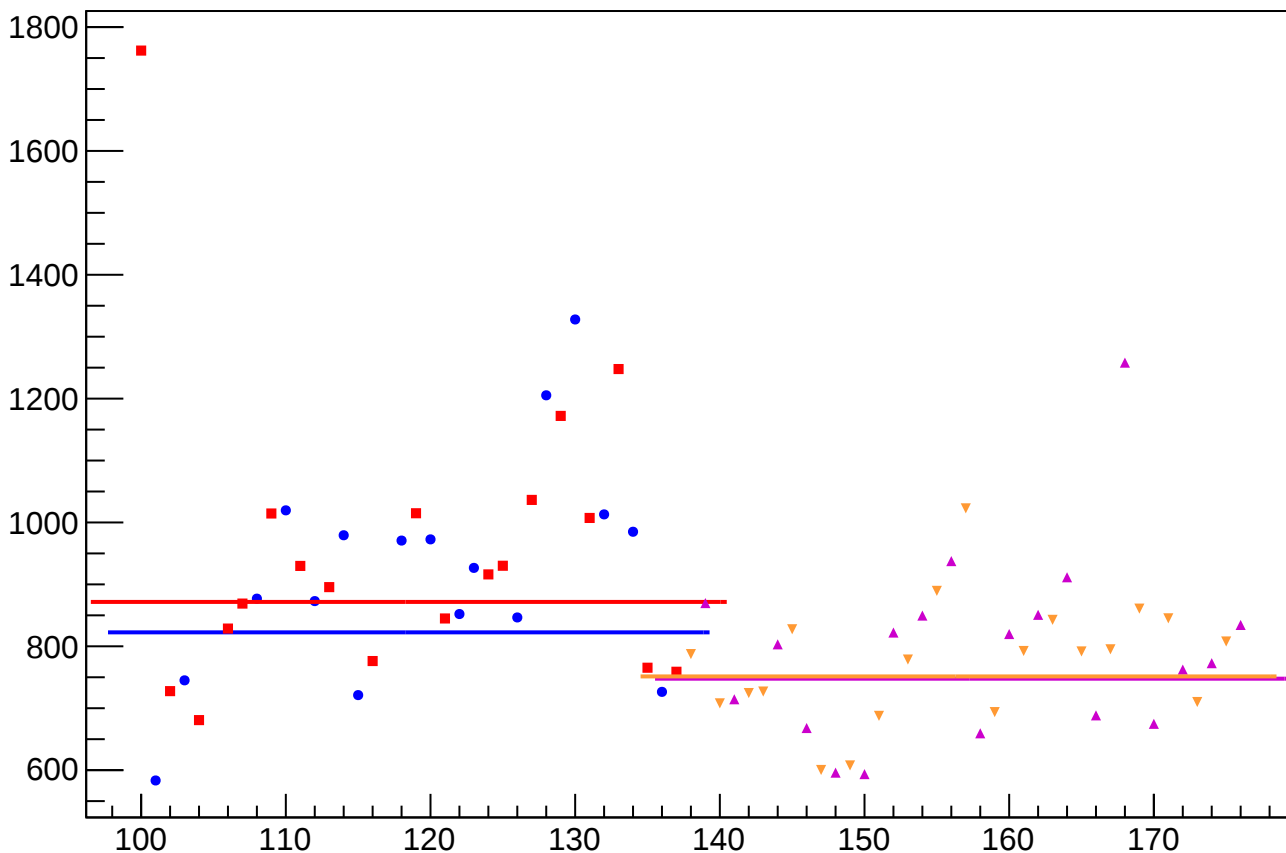
Right: -347.269 $\pm$ 233.324 χ^2 /NDF: 32.7/35

In: -19.393 $\pm$ 169.306 χ^2 /NDF: 37.2/35

Out: 134.113 $\pm$ 168.948 χ^2 /NDF: 42.0/38

All: 57.522 $\pm$ 119.591 χ^2 /NDF: 79.7/74

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 751.357+/-0.139 χ^2/NDF : 471938.9/19

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

Left In: 747.711+/-0.140 χ^2/NDF : 805084.3/18

Left: 749.548+/-0.098 χ^2/NDF : 1277365.9/38

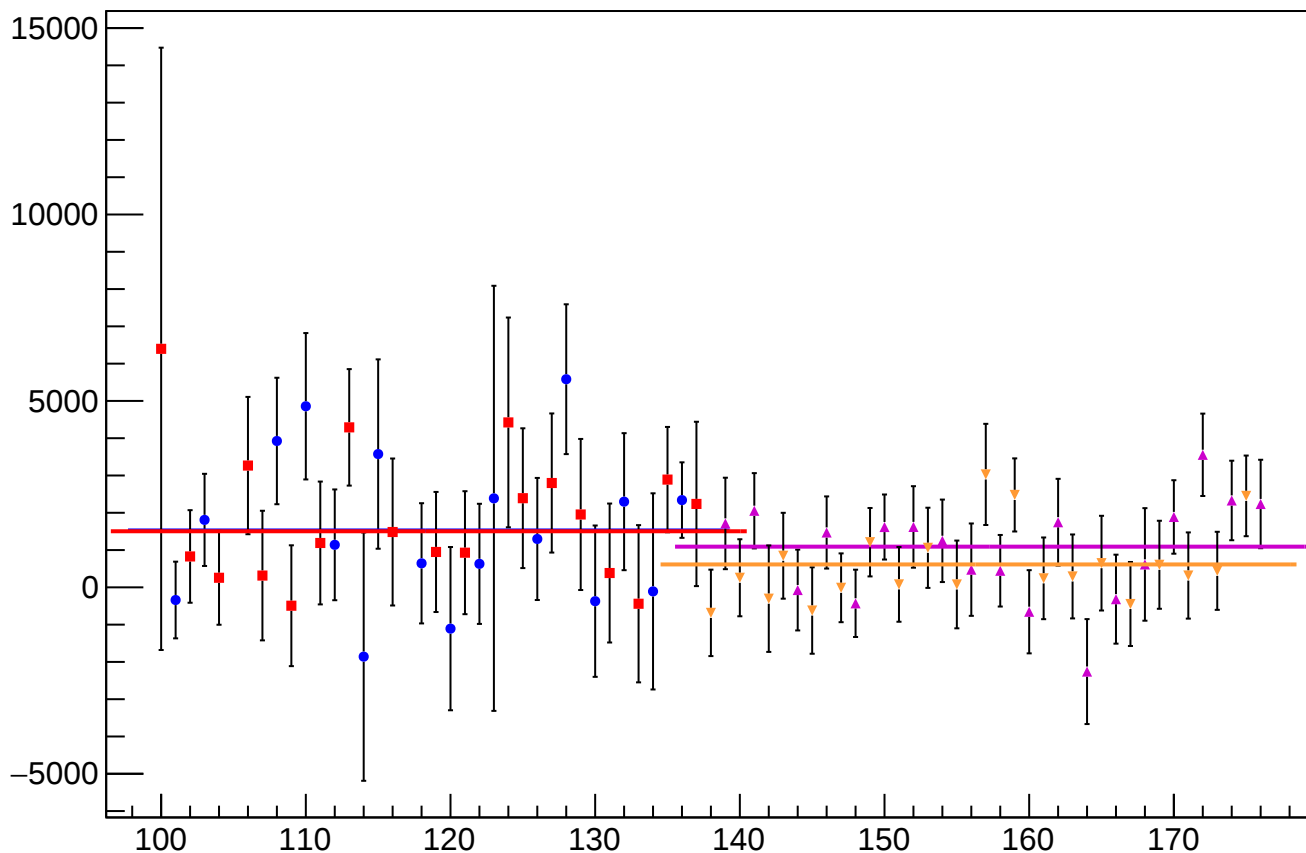
Right: 846.744+/-0.165 χ^2/NDF : 1029998.2/35

In: 767.695+/-0.120 χ^2/NDF : 1482495.2/35

Out: 782.440+/-0.119 χ^2/NDF : 1073152.9/38

All: 775.083+/-0.085 χ^2/NDF : 2563248.8/74

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 614.582 $\pm$ 246.469 χ^2/NDF : 15.4/19

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

Left In: 1091.421 $\pm$ 249.016 χ^2/NDF : 24.5/18

Left: 850.550 $\pm$ 175.173 χ^2/NDF : 41.7/38

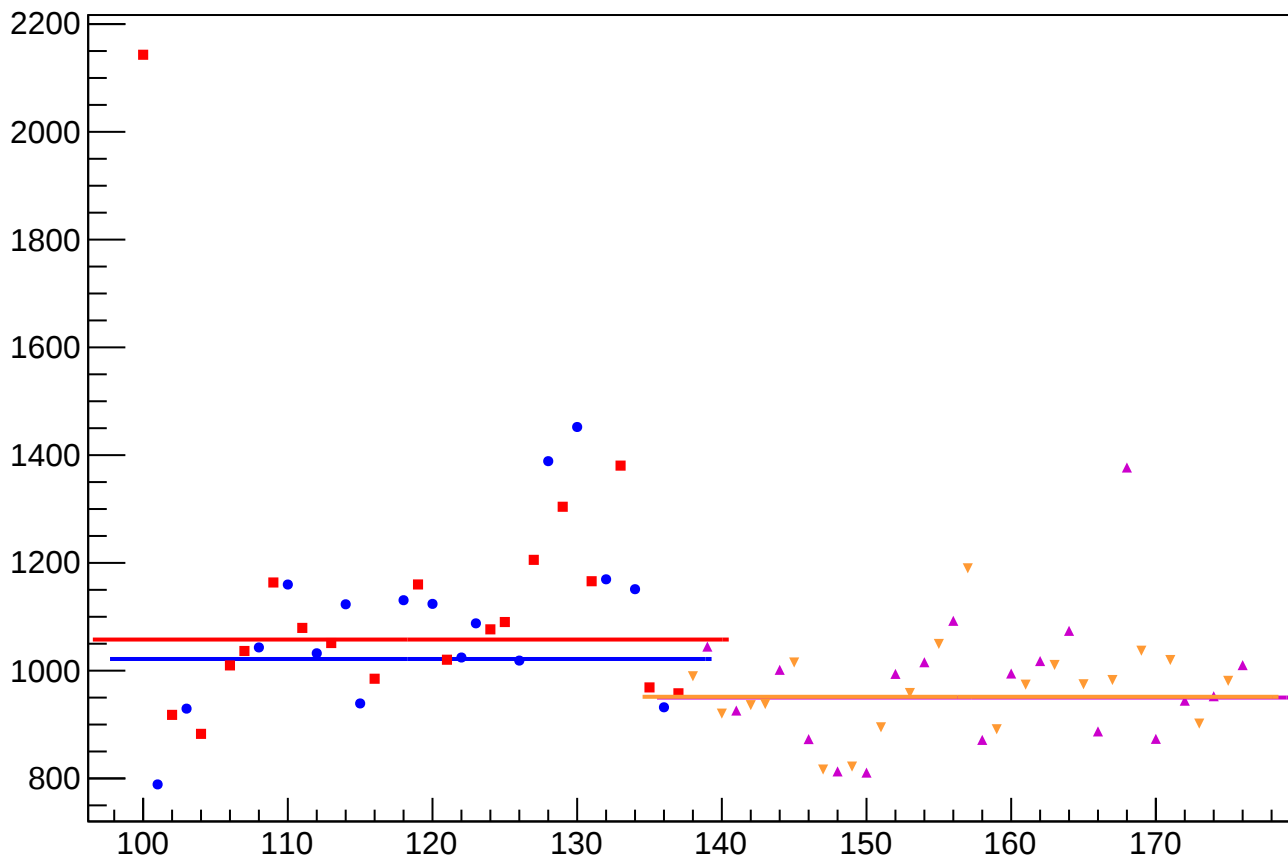
Right: 1514.890 $\pm$ 283.454 χ^2/NDF : 30.4/35

In: 1211.879 $\pm$ 211.661 χ^2/NDF : 43.5/35

Out: 859.492 $\pm$ 209.827 χ^2/NDF : 31.1/38

All: 1034.152 $\pm$ 149.014 χ^2/NDF : 76.0/74

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 951.516 $\pm$ 0.174 χ^2 /NDF:214949.8/19

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

Left In: 950.106 $\pm$ 0.176 χ^2 /NDF:385788.6/18

Left: 950.818 $\pm$ 0.124 χ^2 /NDF: 600770.8/38

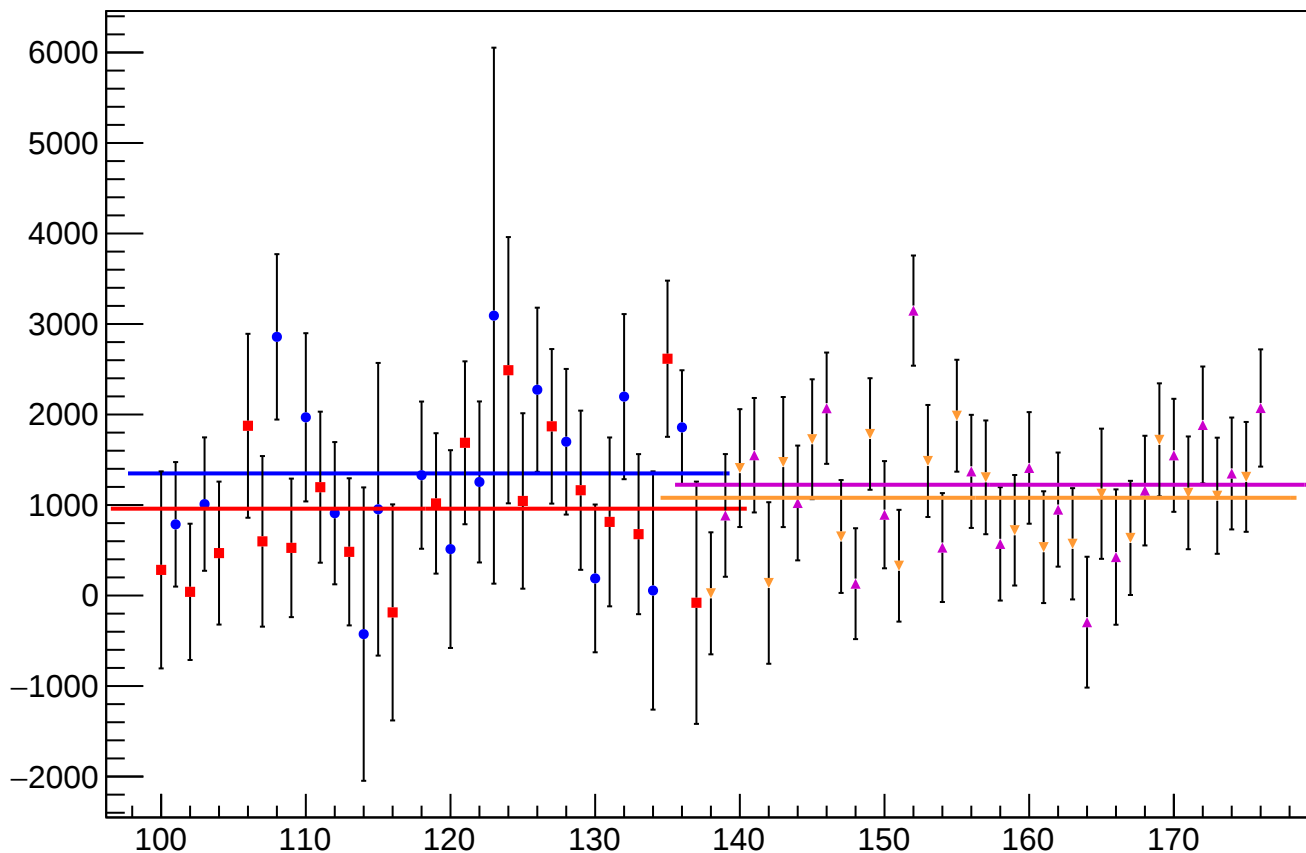
Right: 1039.788 $\pm$ 0.200 χ^2 /NDF: 570995.5/35

In: 969.965 $\pm$ 0.150 χ^2 /NDF:763572.0/35

Out: 980.755 $\pm$ 0.148 χ^2 /NDF:548156.6/38

All: 975.407 $\pm$ 0.105 χ^2 /NDF: 1314349.6/74

reg_asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1349.156 $\pm$ 218.361 χ^2 /NDF: 12.3/16

Left Out: 1079.848 $\pm$ 143.896 χ^2 /NDF:14.6/19

Right Out: 959.496 $\pm$ 208.143 χ^2 /NDF: 12.2/18

Left In: 1223.919 $\pm$ 145.199 χ^2 /NDF:27.4/18

Left: 1151.235 $\pm$ 102.207 χ^2 /NDF: 42.4/38

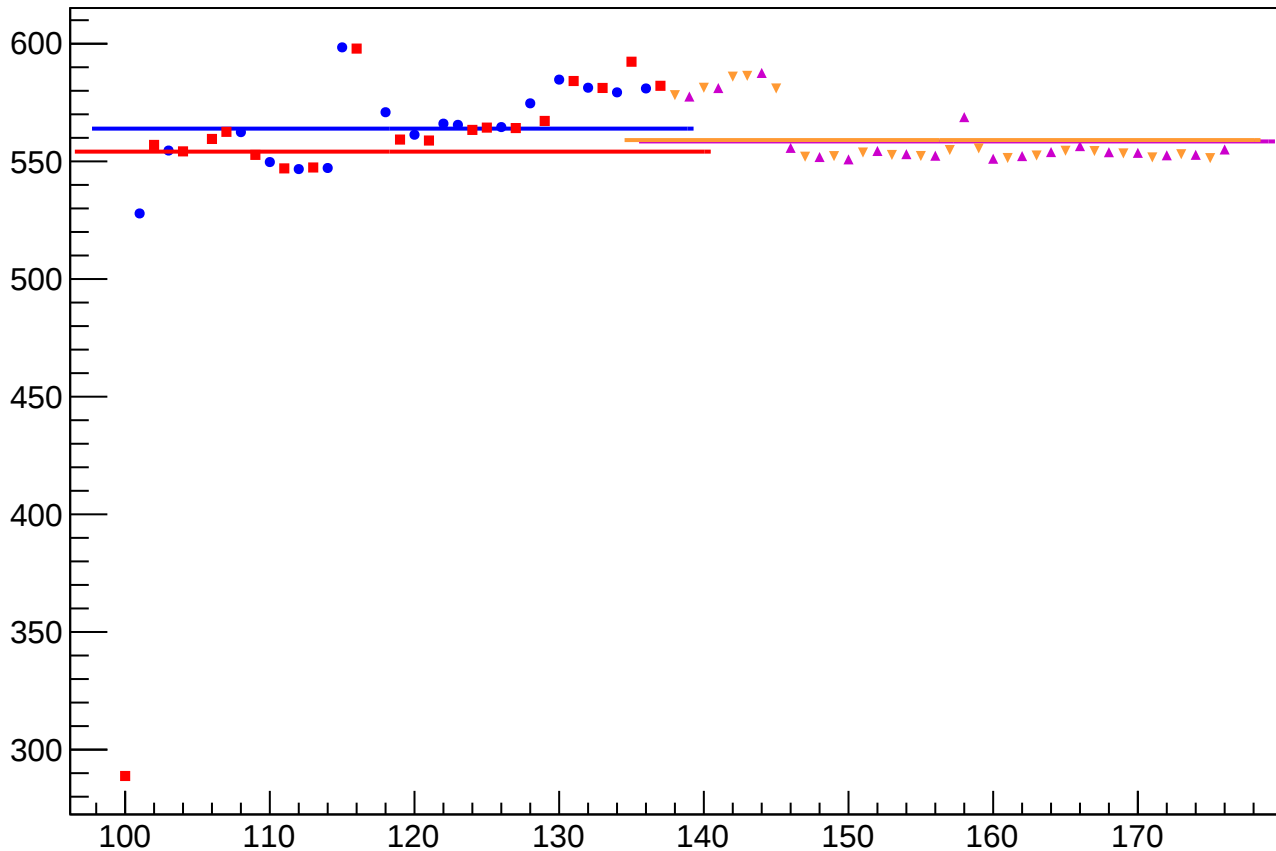
Right: 1144.995 $\pm$ 150.662 χ^2 /NDF: 26.2/35

In: 1262.316 $\pm$ 120.909 χ^2 /NDF:39.9/35

Out: 1040.928 $\pm$ 118.364 χ^2 /NDF:27.0/38

All: 1149.268 $\pm$ 84.581 χ^2 /NDF: 68.6/74

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 559.050 $\pm$ 0.102 χ^2 /NDF:13750.5/19

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

Left In: 558.476 $\pm$ 0.103 χ^2 /NDF:11158.8/18

Left: 558.766 $\pm$ 0.072 χ^2 /NDF: 24925.1/38

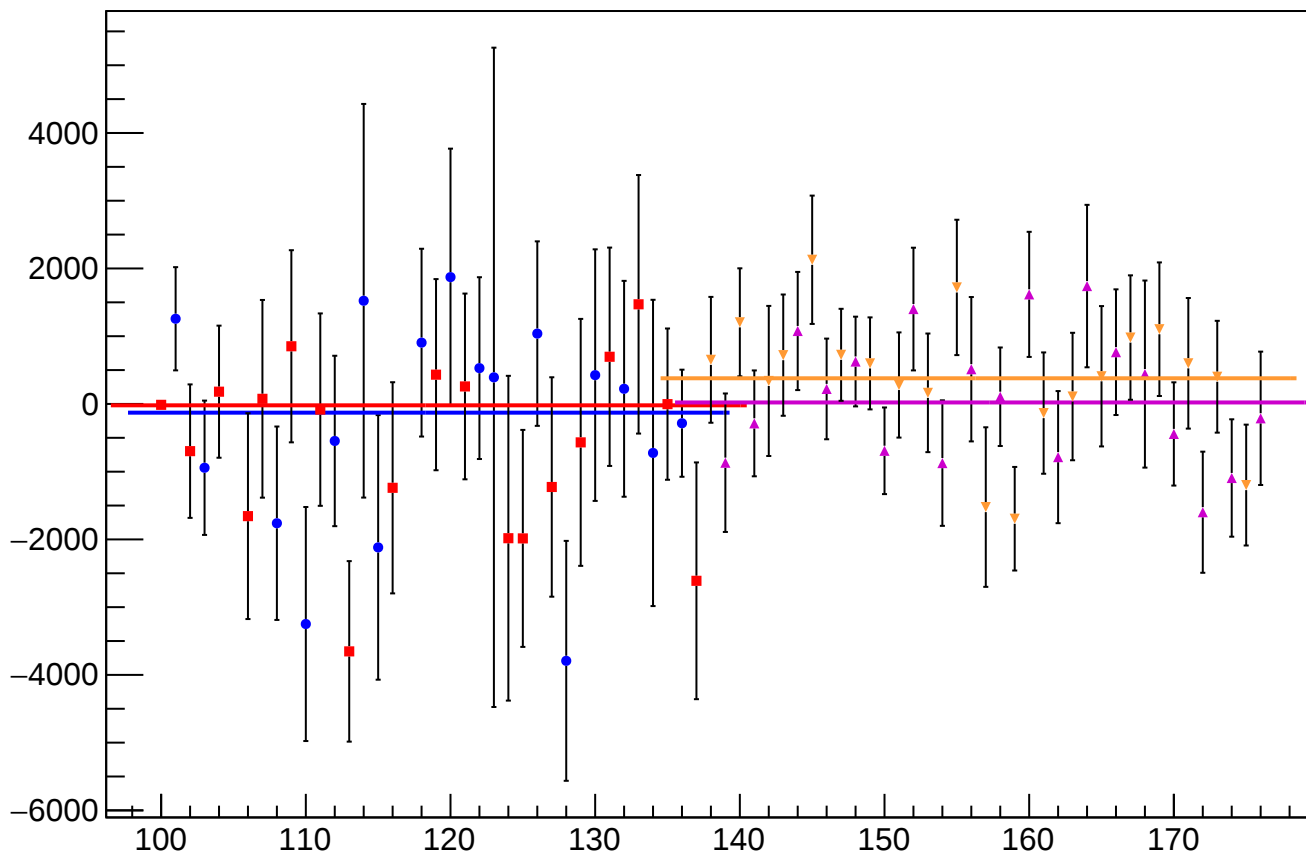
Right: 558.799 $\pm$ 0.107 χ^2 /NDF: 146729.2/35

In: 560.146 $\pm$ 0.085 χ^2 /NDF:24684.5/35

Out: 557.463 $\pm$ 0.084 χ^2 /NDF:146467.1/38

All: 558.776 $\pm$ 0.060 χ^2 /NDF: 171654.3/74

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 378.870 $\pm$ 196.242 χ^2/NDF : 21.5/19

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

Left In: 21.831 $\pm$ 197.862 χ^2/NDF : 19.8/18

Left: 201.818 $\pm$ 139.333 χ^2/NDF : 42.9/38

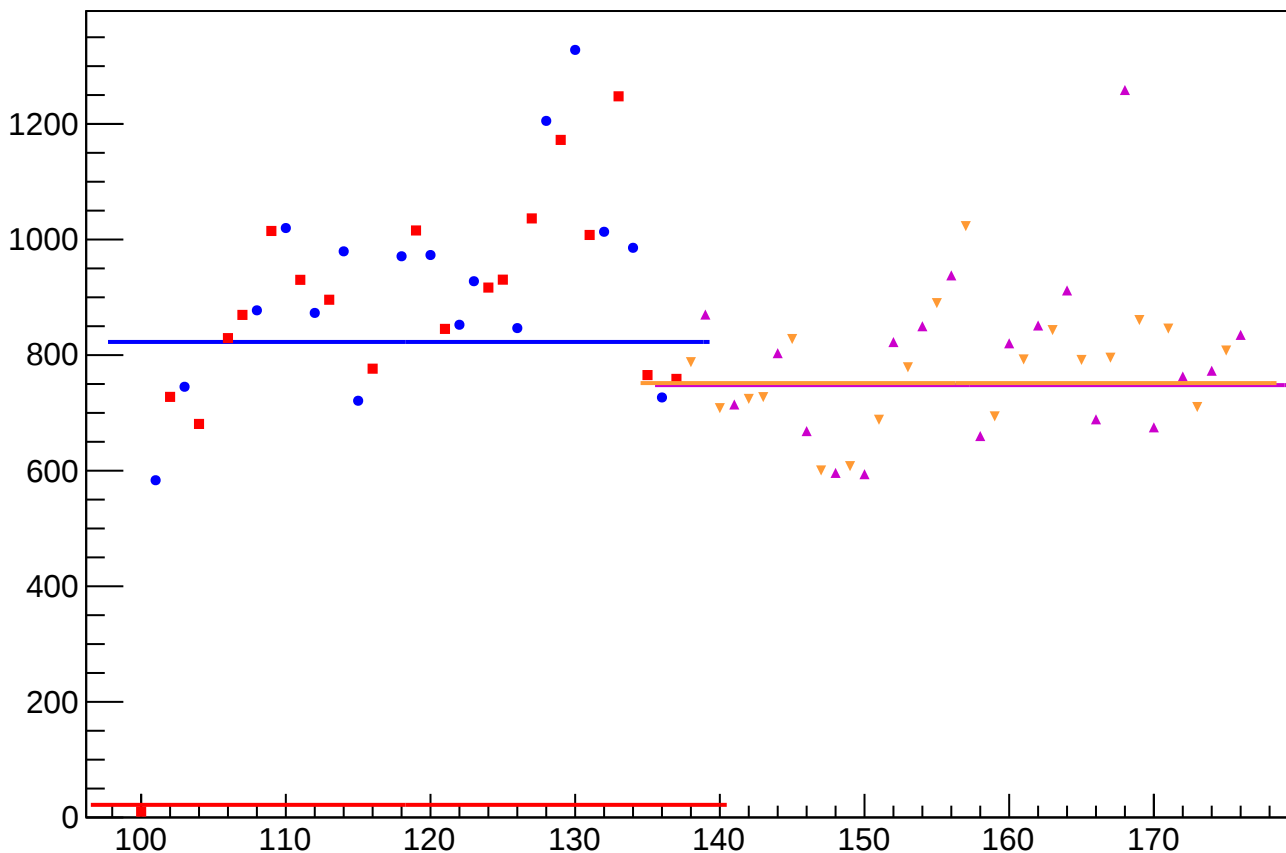
Right: -21.894 $\pm$ 38.682 χ^2/NDF : 33.4/35

In: -18.395 $\pm$ 169.380 χ^2/NDF : 37.2/35

Out: -5.249 $\pm$ 38.209 χ^2/NDF : 41.6/38

All: -5.885 $\pm$ 37.272 χ^2/NDF : 78.8/74

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 751.599 $\pm$ 0.139 χ^2 /NDF: 471984.1/19

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

Left In: 748.079 $\pm$ 0.140 χ^2 /NDF: 804856.7/18

Left: 749.854 $\pm$ 0.099 χ^2 /NDF: 1277159.8/38

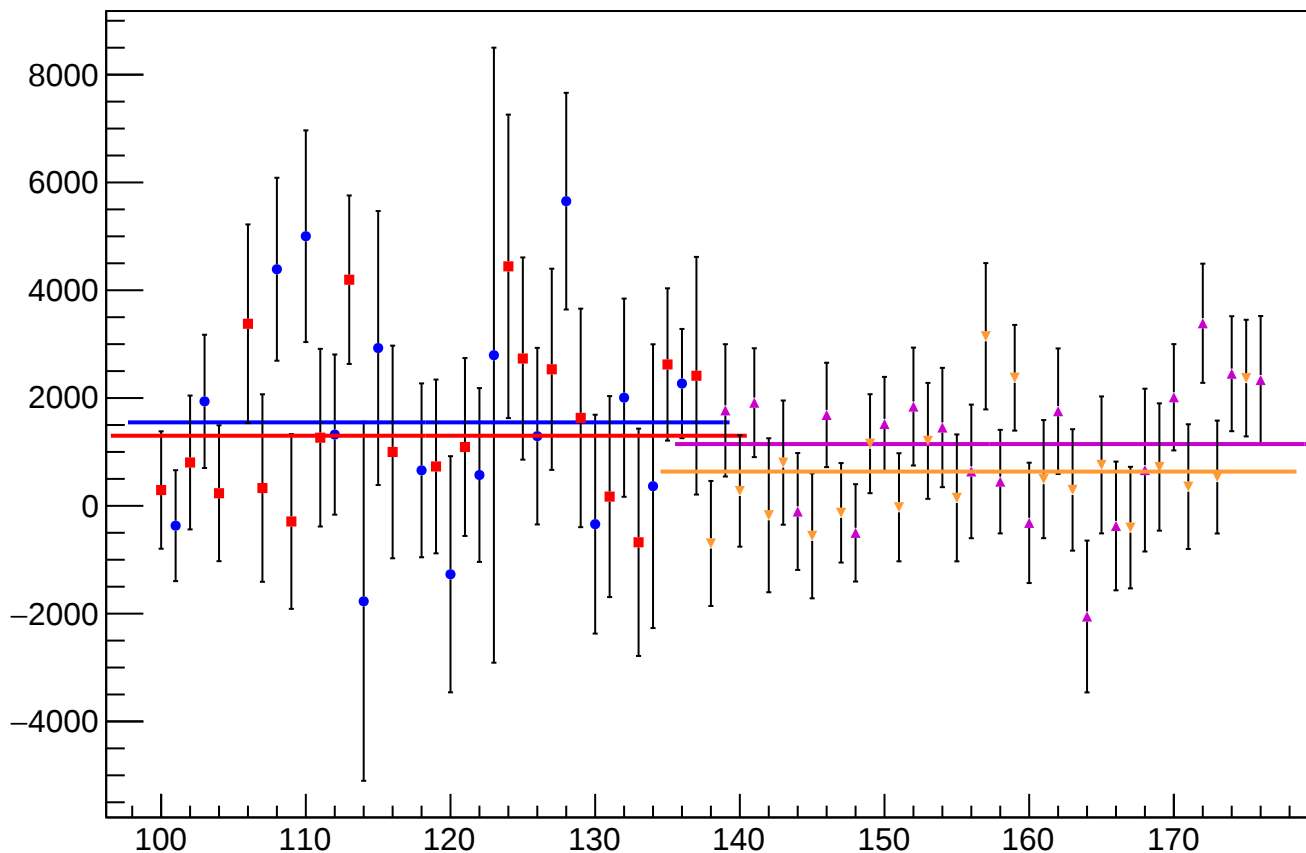
Right: 32.973 $\pm$ 0.027 χ^2 /NDF: 25907183.1/35

In: 768.038 $\pm$ 0.120 χ^2 /NDF: 1481895.0/35

Out: 49.478 $\pm$ 0.027 χ^2 /NDF: 40606170.4/38

All: 84.272 $\pm$ 0.026 χ^2 /NDF: 76339387.8/74

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 635.613 $\pm$ 246.608 χ^2/NDF : 14.9/19

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

Left In: 1146.235 $\pm$ 249.191 χ^2/NDF : 23.4/18

Left: 888.264 $\pm$ 175.284 χ^2/NDF : 40.5/38

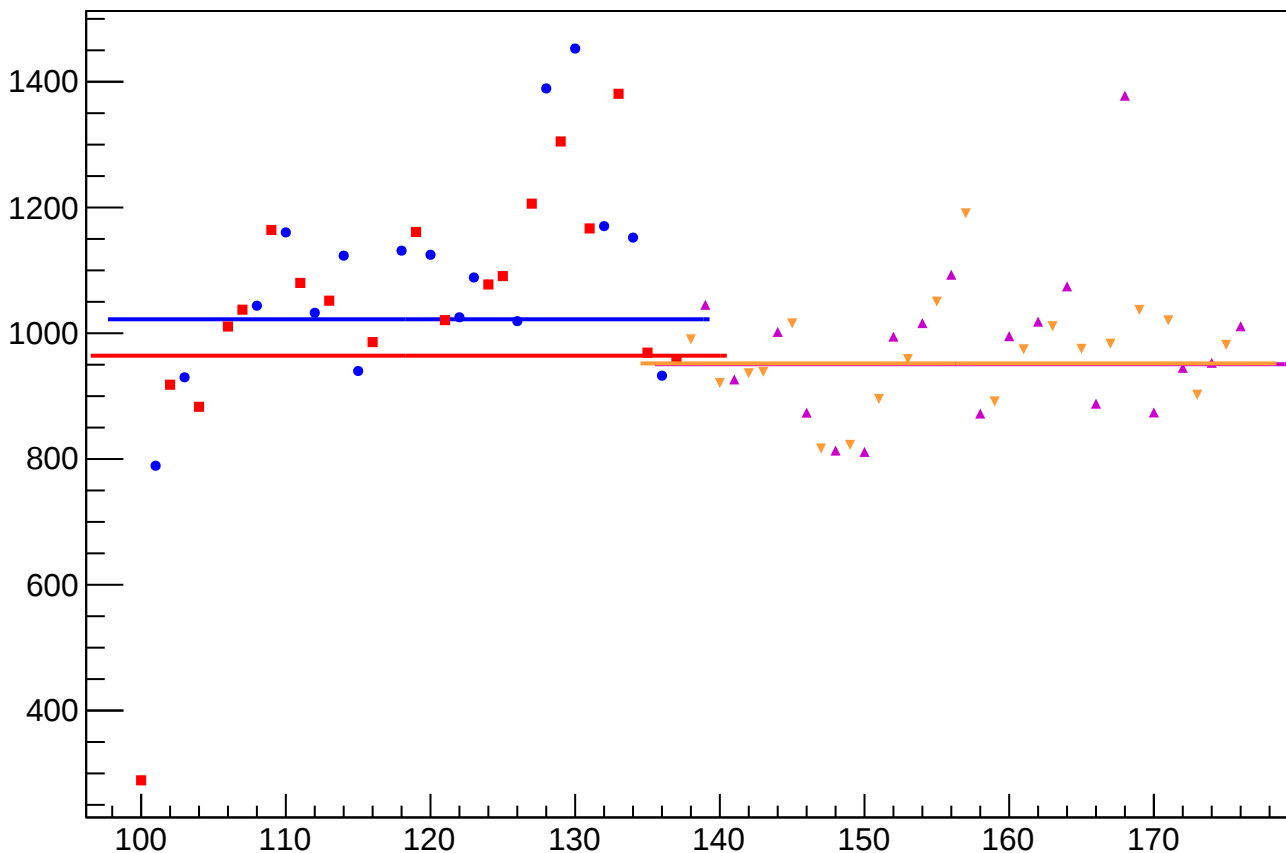
Right: 1416.645 $\pm$ 274.624 χ^2/NDF : 31.7/35

In: 1257.998 $\pm$ 211.801 χ^2/NDF : 43.1/35

Out: 835.700 $\pm$ 206.219 χ^2/NDF : 29.6/38

All: 1041.211 $\pm$ 147.753 χ^2/NDF : 74.8/74

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 952.047+/-0.174 χ^2/NDF : 215043.2/19

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

Left In: 950.781+/-0.176 χ^2/NDF : 385528.8/18

Left: 951.420+/-0.124 χ^2/NDF : 600598.1/38

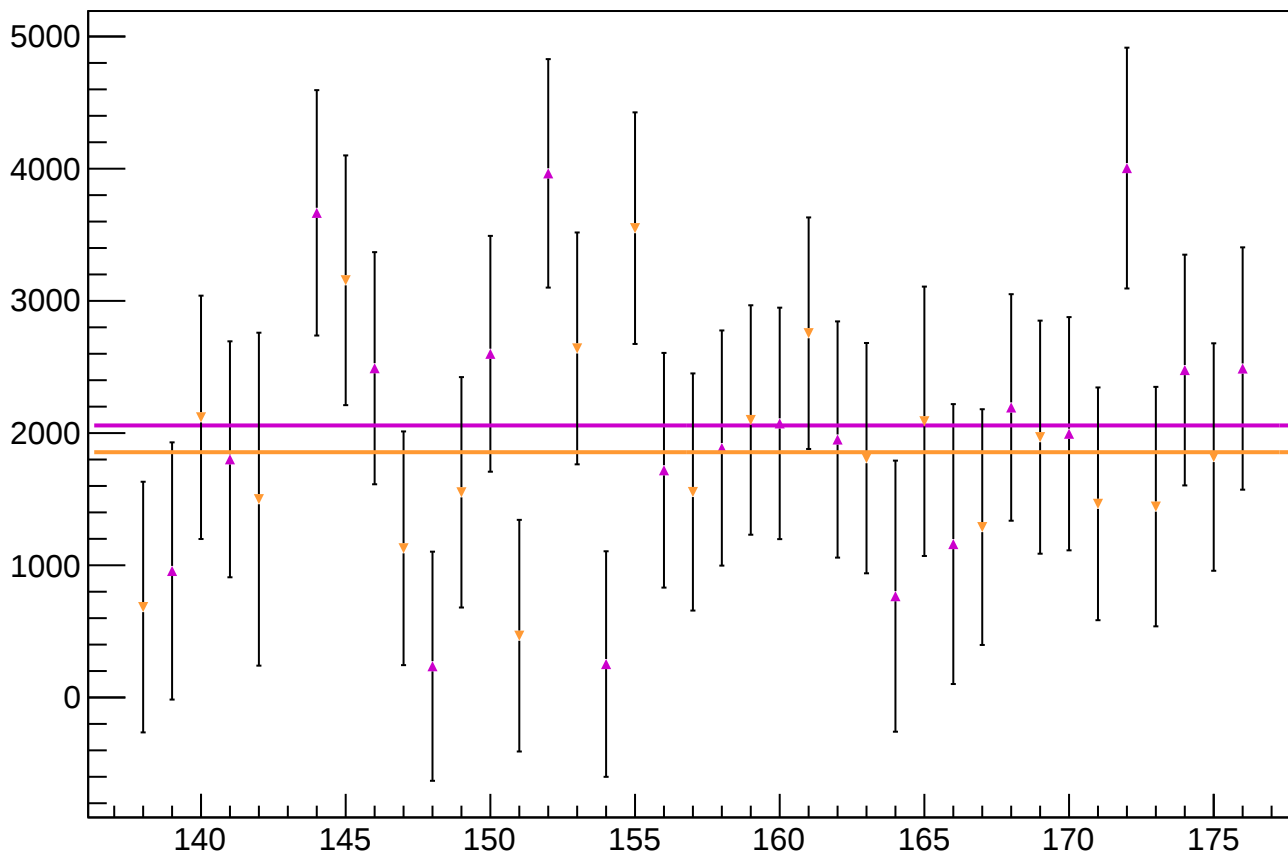
Right: 991.355+/-0.194 χ^2/NDF : 1421282.7/35

In: 970.617+/-0.150 χ^2/NDF : 763049.0/35

Out: 955.741+/-0.146 χ^2/NDF : 1283816.6/38

All: 962.980+/-0.104 χ^2/NDF : 2051930.6/74

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1855.420+/-208.029 χ^2/NDF :13.6/18

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

Left In: 2057.761+/-206.899 χ^2/NDF :26.3/18

Left: 1957.141+/-146.697 χ^2/NDF : 40.3/37

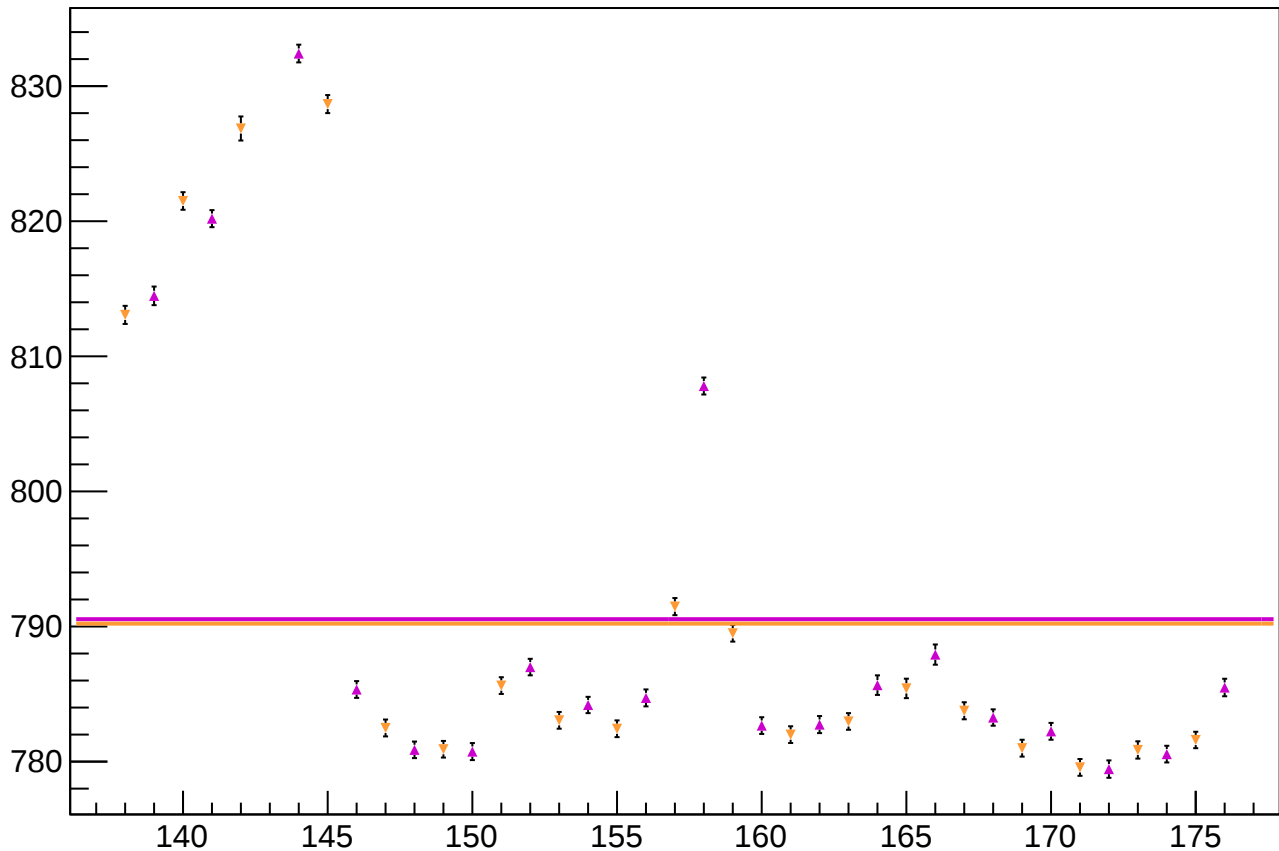
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2057.761+/-206.899 χ^2/NDF :26.3/18

Out: 1855.420+/-208.029 χ^2/NDF :13.6/18

All: 1957.141+/-146.697 χ^2/NDF : 40.3/37

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 790.213+/-0.147 χ^2/NDF :10601.3/18

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

Left In: 790.542+/-0.146 χ^2/NDF :10344.7/18

Left: 790.379+/-0.104 χ^2/NDF : 20948.5/37

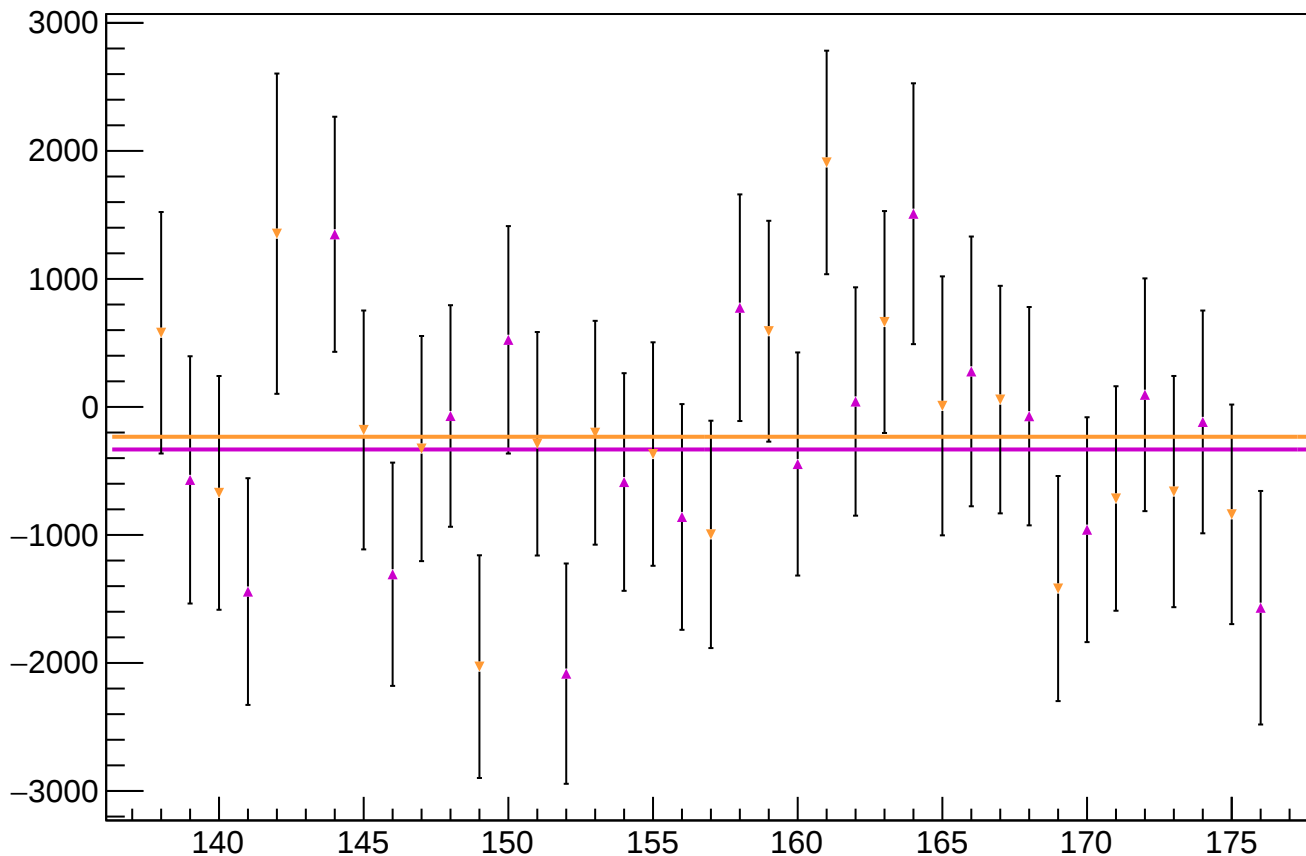
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 790.542+/-0.146 χ^2/NDF :10344.7/18

Out: 790.213+/-0.147 χ^2/NDF :10601.3/18

All: 790.379+/-0.104 χ^2/NDF : 20948.5/37

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -233.027+/-207.004 χ^2/NDF :18.6/18

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

Left In: -332.290+/-205.895 χ^2/NDF :19.9/18

Left: -282.925+/-145.981 χ^2/NDF : 38.7/37

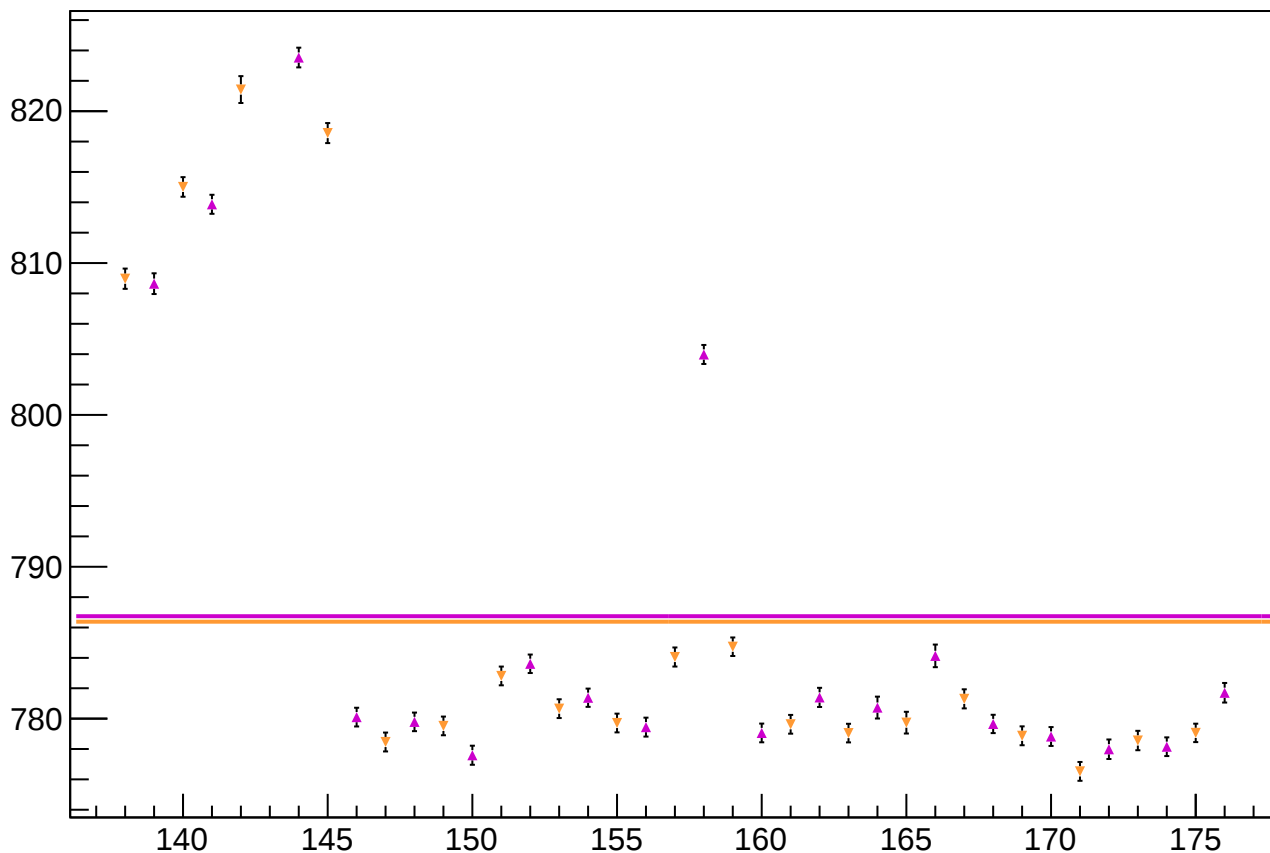
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -332.290+/-205.895 χ^2/NDF :19.9/18

Out: -233.027+/-207.004 χ^2/NDF :18.6/18

All: -282.925+/-145.981 χ^2/NDF : 38.7/37

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 786.384+/-0.146 χ^2/NDF :8714.2/18

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

Left In: 786.744+/-0.146 χ^2/NDF :8627.0/18

Left: 786.565+/-0.103 χ^2/NDF : 17344.3/37

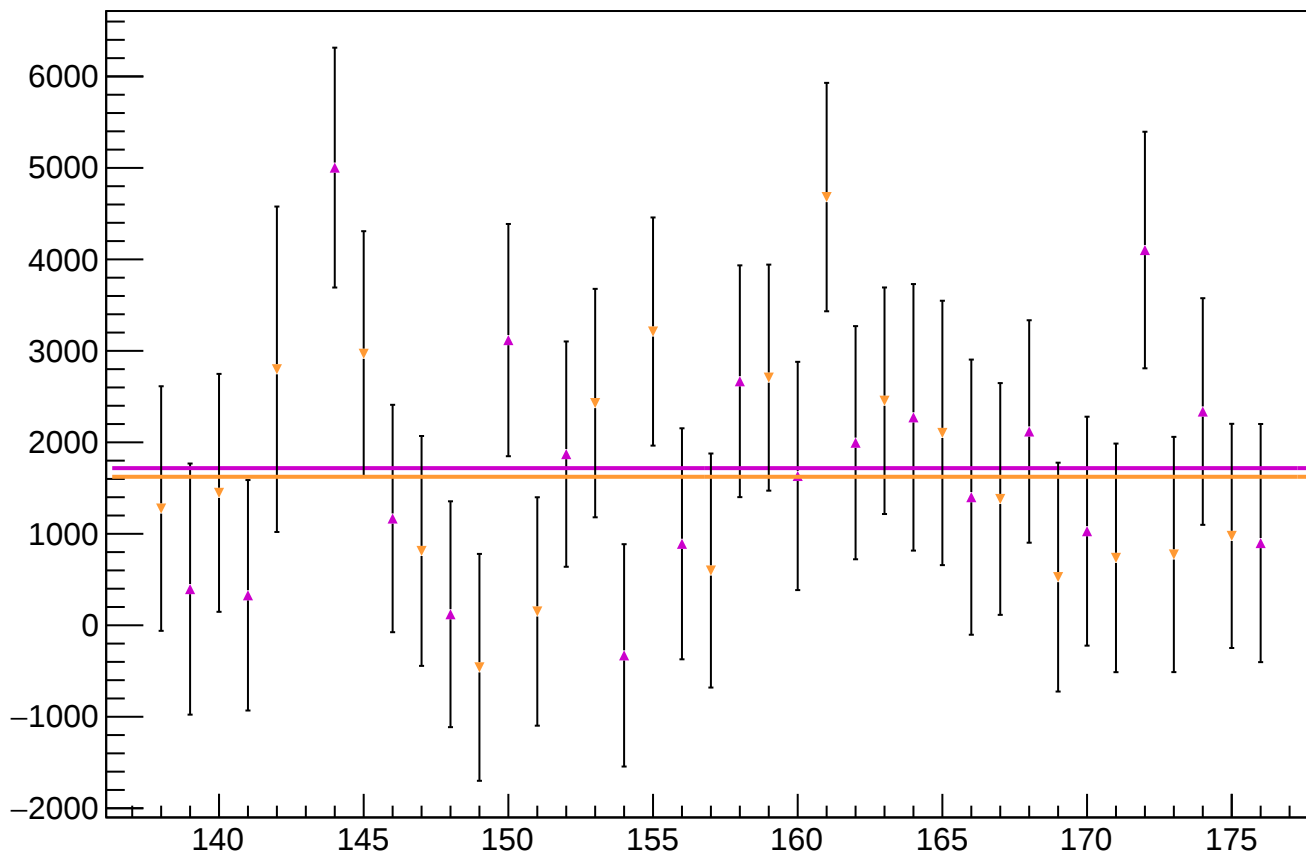
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 786.744+/-0.146 χ^2/NDF :8627.0/18

Out: 786.384+/-0.146 χ^2/NDF :8714.2/18

All: 786.565+/-0.103 χ^2/NDF : 17344.3/37

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1623.465+/-295.595 χ^2/NDF :18.2/18

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

Left In: 1718.097+/-293.876 χ^2/NDF :20.1/18

Left: 1671.056+/-208.407 χ^2/NDF : 38.3/37

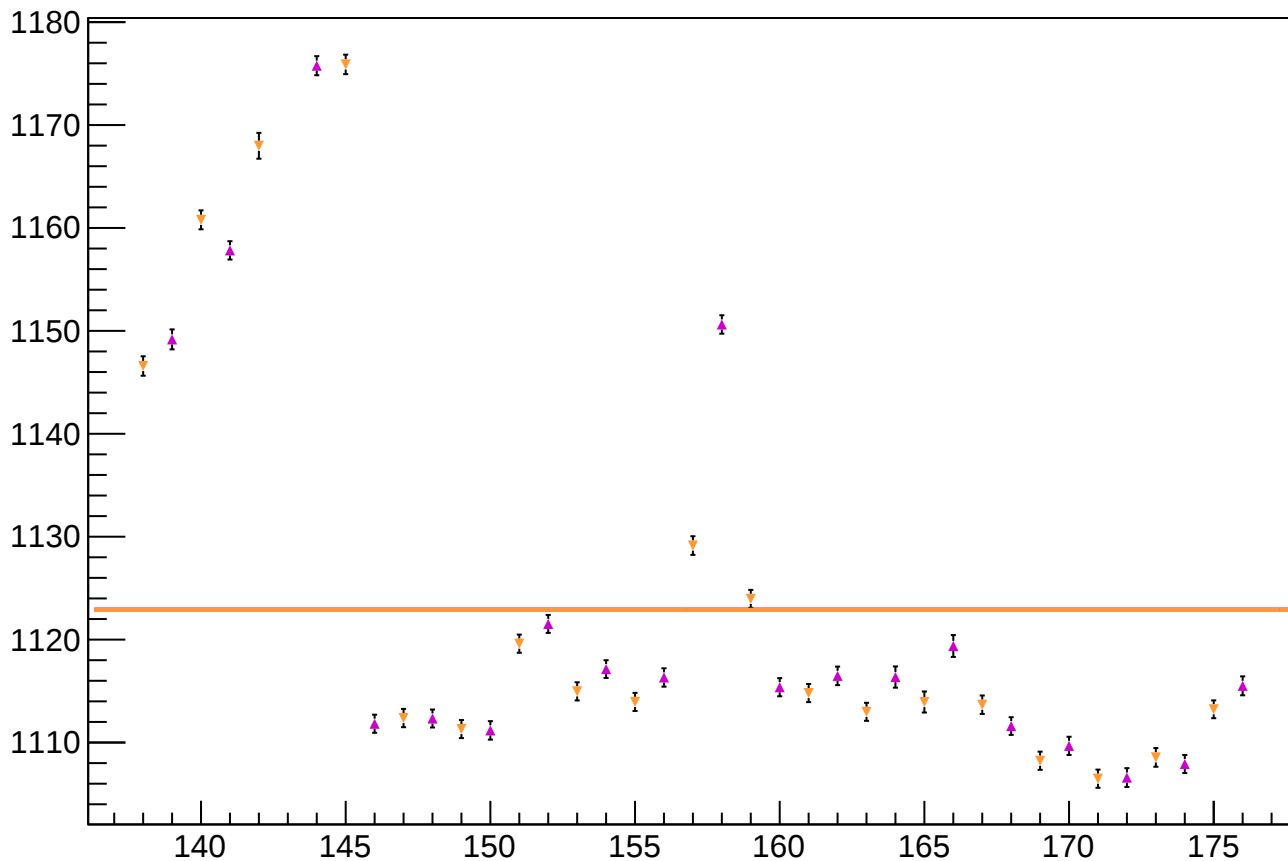
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1718.097+/-293.876 χ^2/NDF :20.1/18

Out: 1623.465+/-295.595 χ^2/NDF :18.2/18

All: 1671.056+/-208.407 χ^2/NDF : 38.3/37

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1122.904+/-0.209 χ^2/NDF : 8687.3/18

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

Left In: 1122.924+/-0.208 χ^2/NDF : 8303.0/18

Left: 1122.914+/-0.147 χ^2/NDF : 16990.3/37

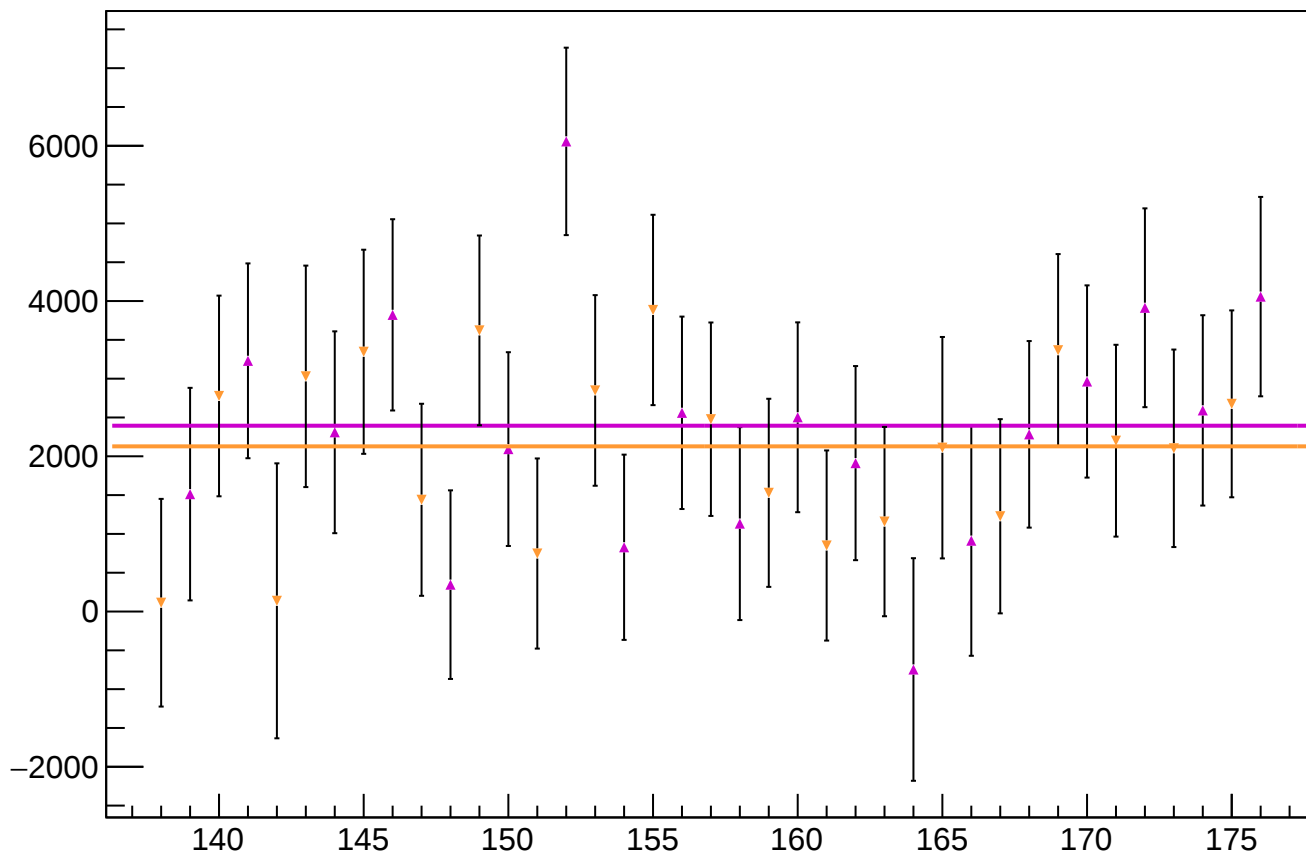
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1122.924+/-0.208 χ^2/NDF : 8303.0/18

Out: 1122.904+/-0.209 χ^2/NDF : 8687.3/18

All: 1122.914+/-0.147 χ^2/NDF : 16990.3/37

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2127.934 $\pm$ 285.451 χ^2 /NDF:14.3/19

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

Left In: 2393.912 $\pm$ 289.887 χ^2 /NDF:26.4/18

Left: 2258.872 $\pm$ 203.395 χ^2 /NDF: 41.1/38

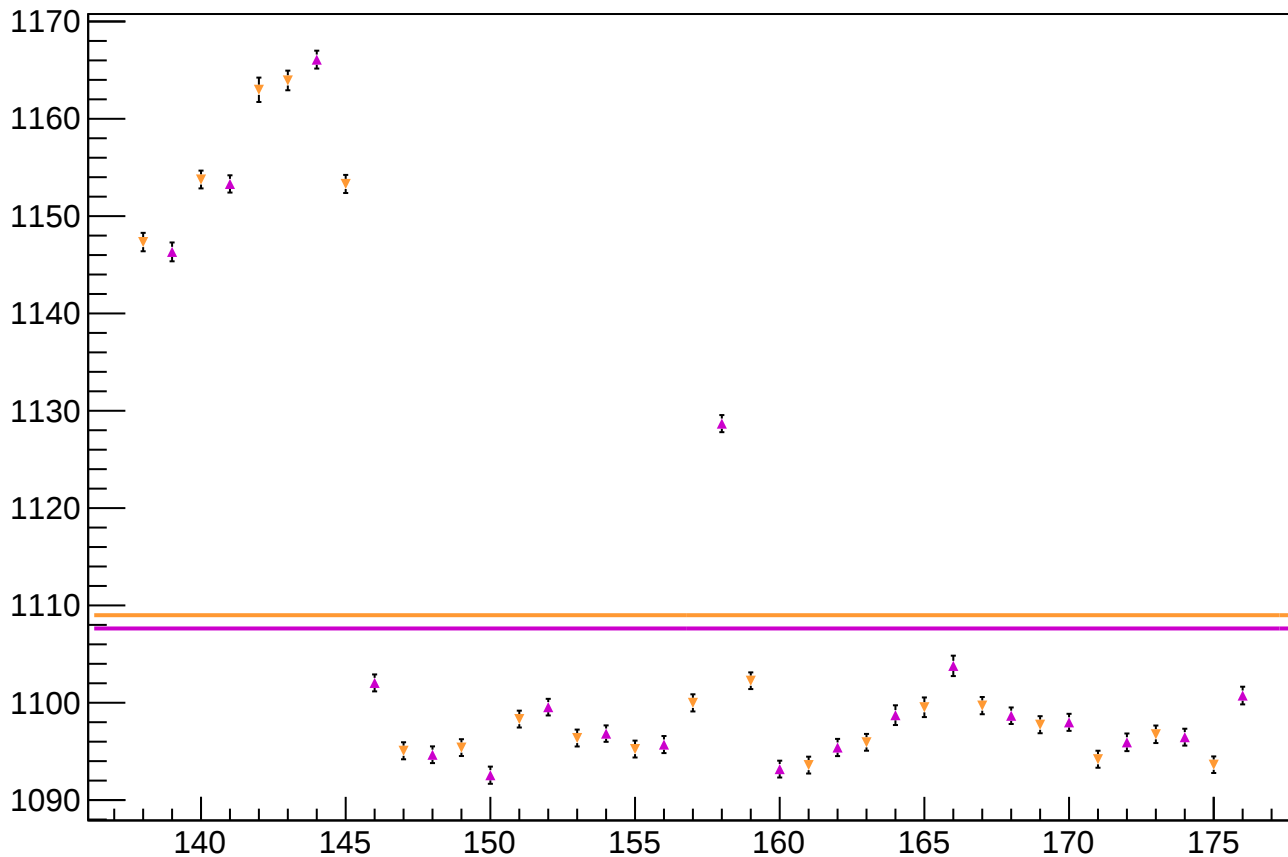
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 2393.912 $\pm$ 289.887 χ^2 /NDF:26.4/18

Out: 2127.934 $\pm$ 285.451 χ^2 /NDF:14.3/19

All: 2258.872 $\pm$ 203.395 χ^2 /NDF: 41.1/38

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1108.995+/-0.202 χ^2/NDF :14126.9/19

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

Left In: 1107.631+/-0.205 χ^2/NDF :11046.5/18

Left: 1108.324+/-0.144 χ^2/NDF : 25195.9/38

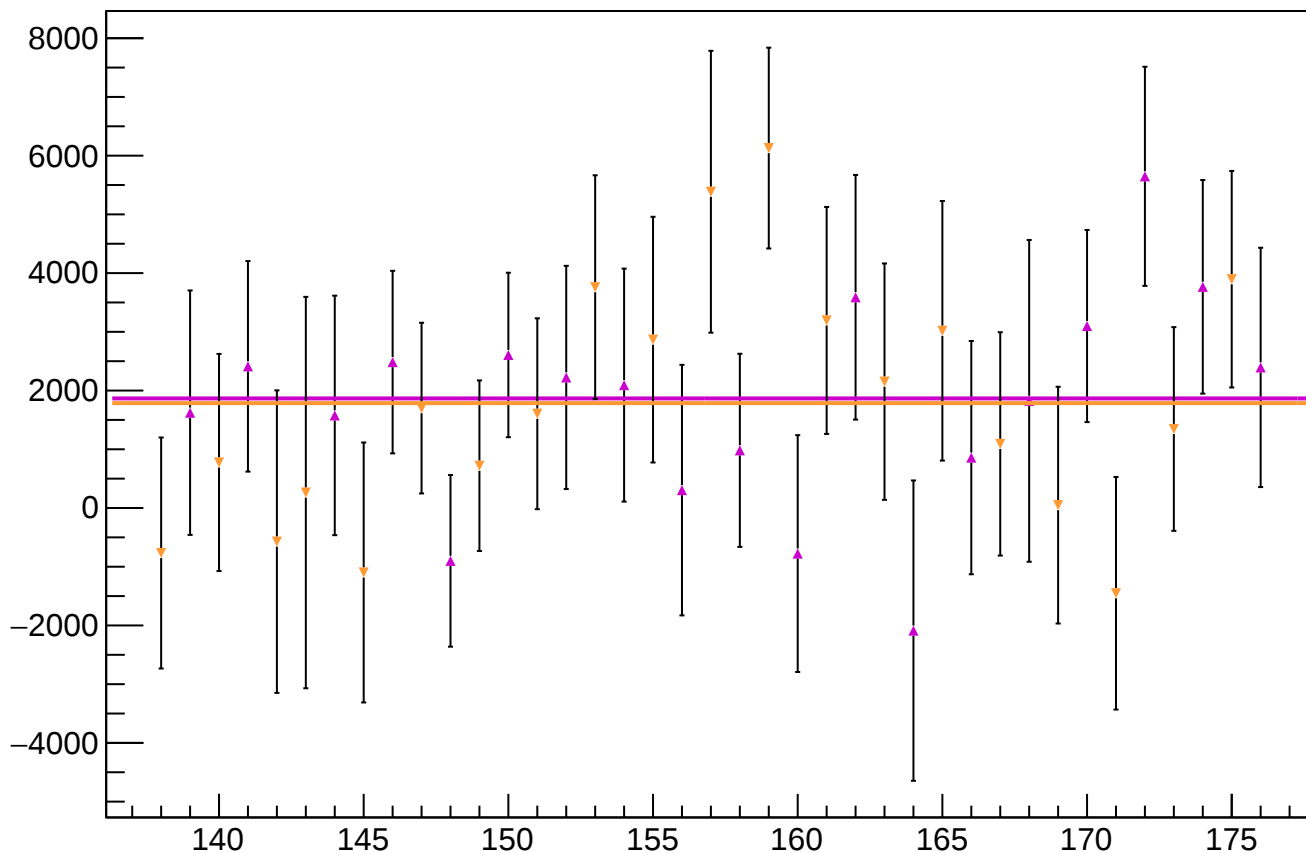
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1107.631+/-0.205 χ^2/NDF :11046.5/18

Out: 1108.995+/-0.202 χ^2/NDF :14126.9/19

All: 1108.324+/-0.144 χ^2/NDF : 25195.9/38

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1785.793+/-427.732 χ^2/NDF :21.1/19

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

Left In: 1865.959+/-425.831 χ^2/NDF :15.9/18

Left: 1826.054+/-301.778 χ^2/NDF : 37.0/38

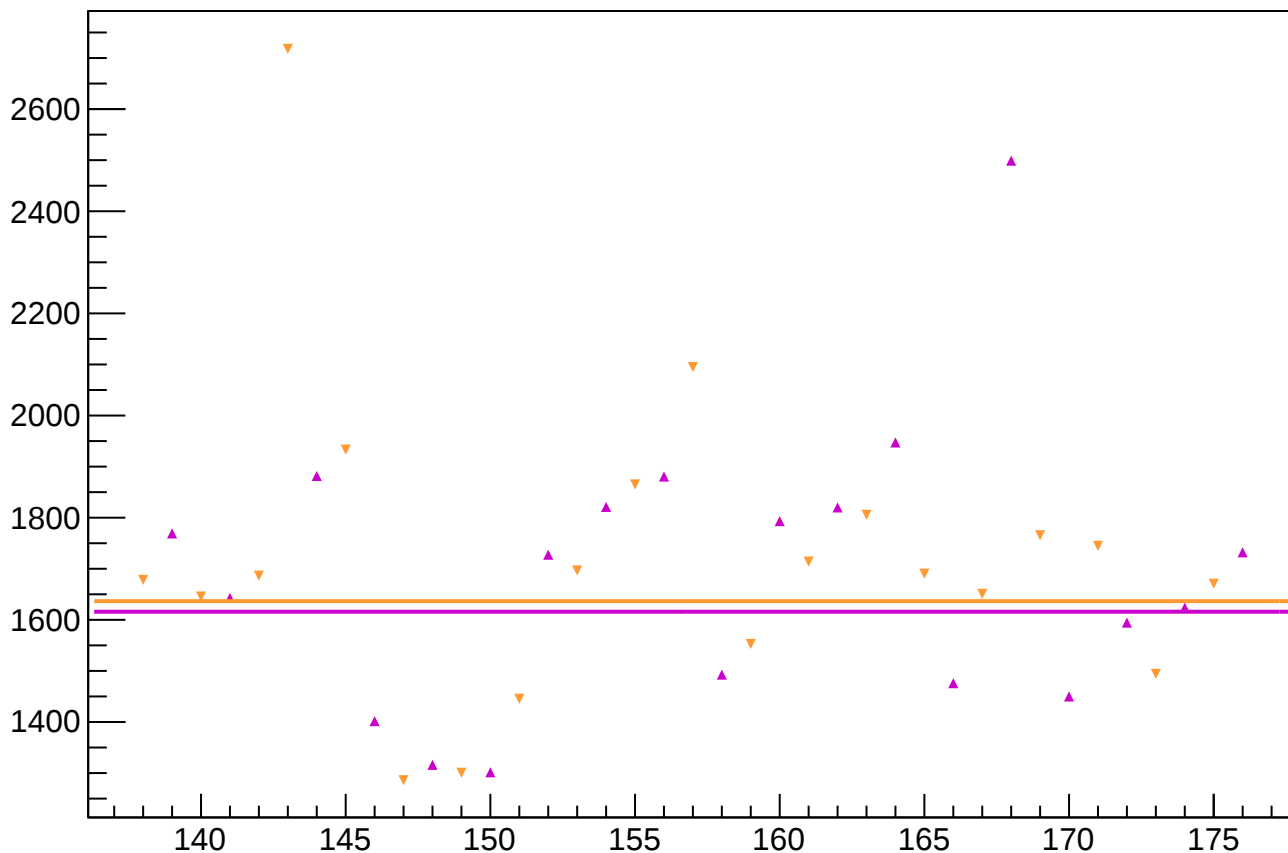
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1865.959+/-425.831 χ^2/NDF :15.9/18

Out: 1785.793+/-427.732 χ^2/NDF :21.1/19

All: 1826.054+/-301.778 χ^2/NDF : 37.0/38

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1636.621+/-0.302 χ^2/NDF : 649983.3/19

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

Left In: 1615.917+/-0.301 χ^2/NDF : 651815.4/18

Left: 1626.223+/-0.213 χ^2/NDF : 1304152.0/38

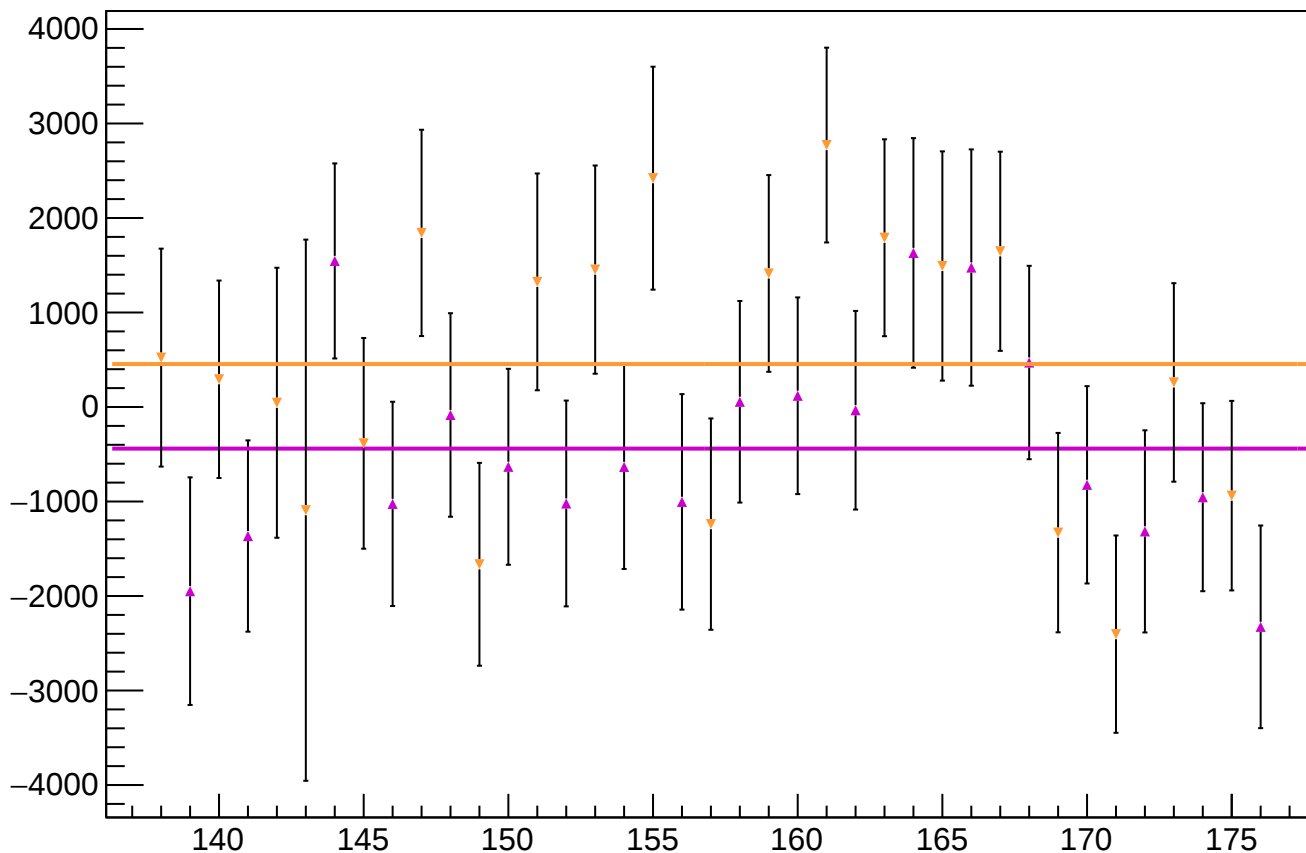
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1615.917+/-0.301 χ^2/NDF : 651815.4/18

Out: 1636.621+/-0.302 χ^2/NDF : 649983.3/19

All: 1626.223+/-0.213 χ^2/NDF : 1304152.0/38

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 454.420+/-250.174 χ^2/NDF :34.8/19

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

Left In: -440.190+/-247.107 χ^2/NDF :18.0/18

Left: 1.597+/-175.805 χ^2/NDF : 59.3/38

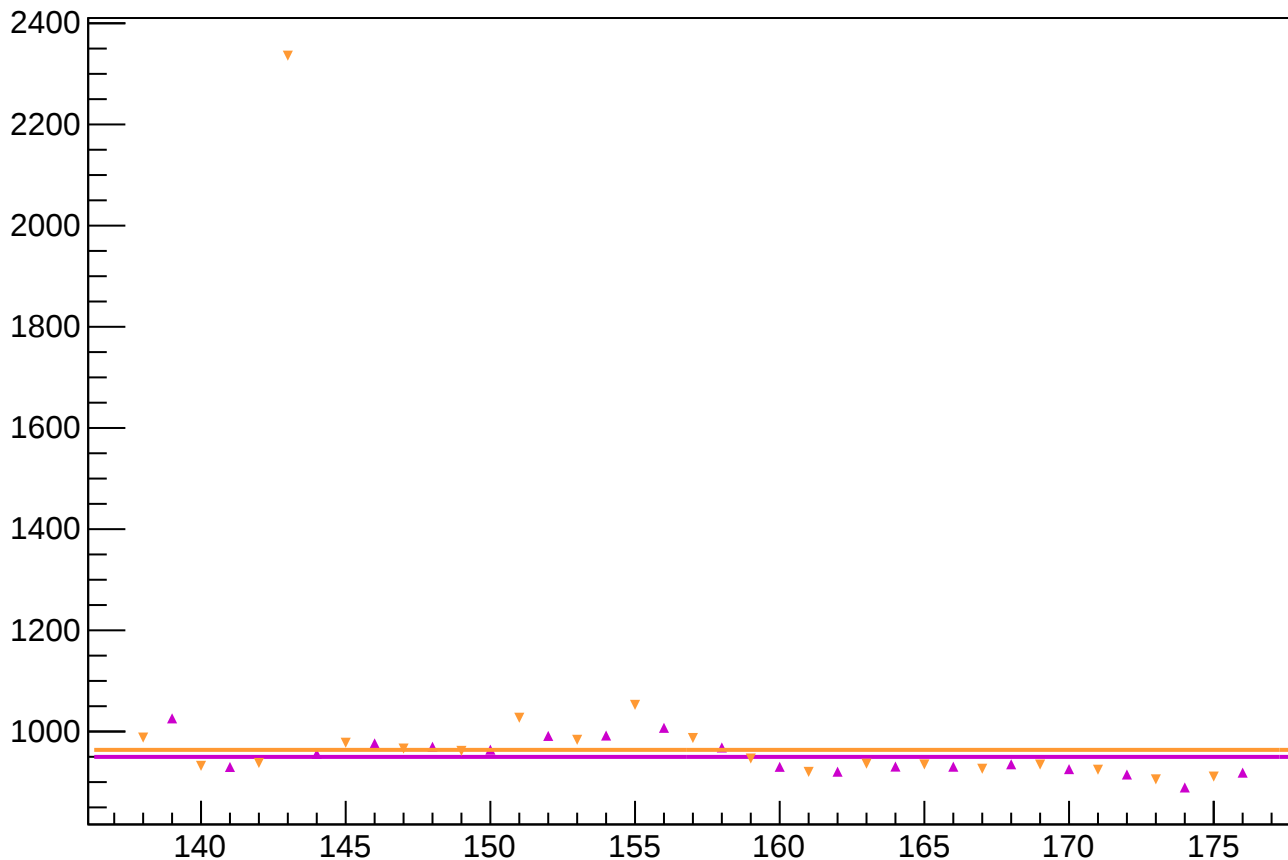
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -440.190+/-247.107 χ^2/NDF :18.0/18

Out: 454.420+/-250.174 χ^2/NDF :34.8/19

All: 1.597+/-175.805 χ^2/NDF : 59.3/38

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 963.710+/-0.177 χ^2/NDF : 507294.6/19

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

Left In: 949.814+/-0.175 χ^2/NDF : 38688.4/18

Left: 956.677+/-0.124 χ^2/NDF : 549106.4/38

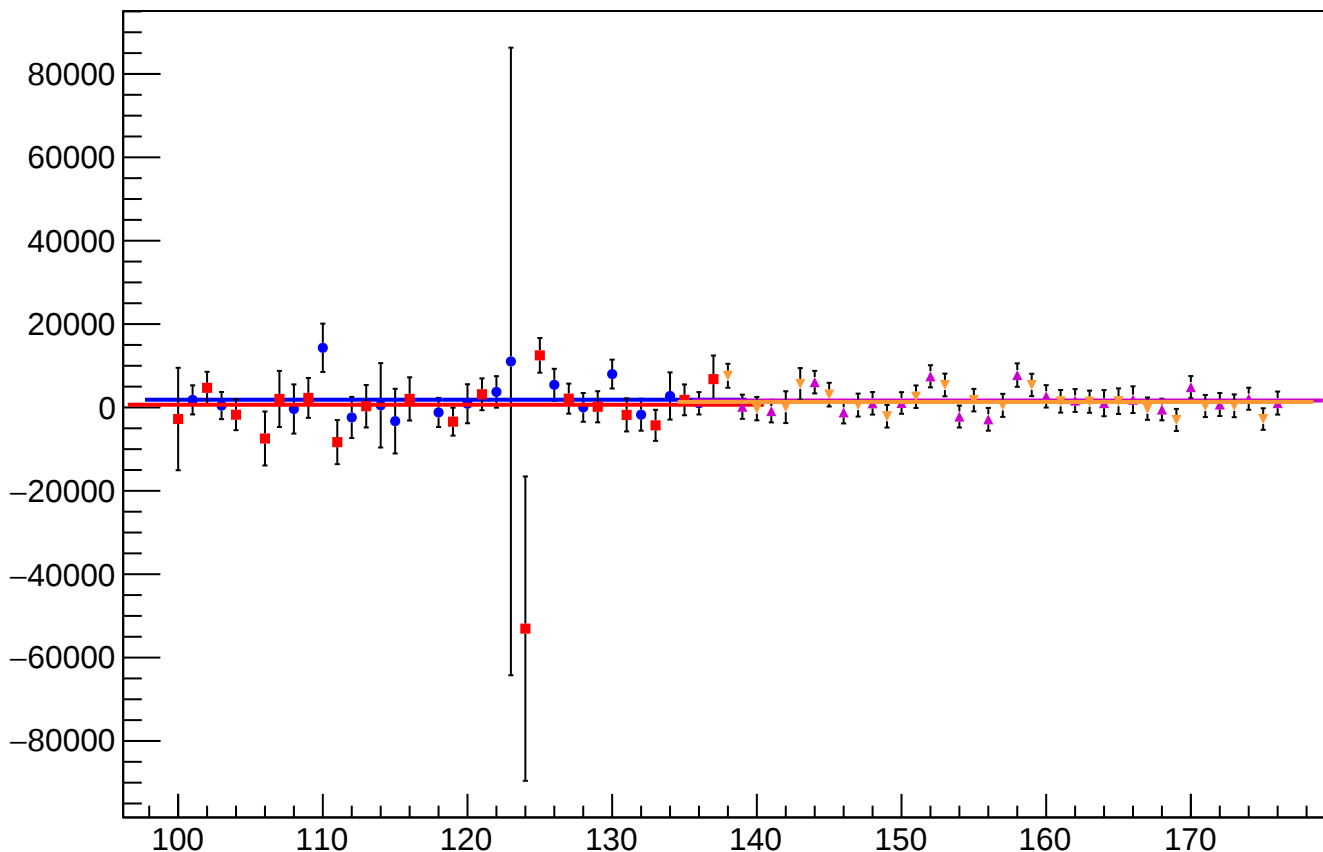
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 949.814+/-0.175 χ^2/NDF : 38688.4/18

Out: 963.710+/-0.177 χ^2/NDF : 507294.6/19

All: 956.677+/-0.124 χ^2/NDF : 549106.4/38

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1320.923+/-626.818 χ^2/NDF :19.2/19

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

Left In: 1672.453+/-628.434 χ^2/NDF :22.0/18

Left: 1496.236+/-443.798 χ^2/NDF : 41.3/38

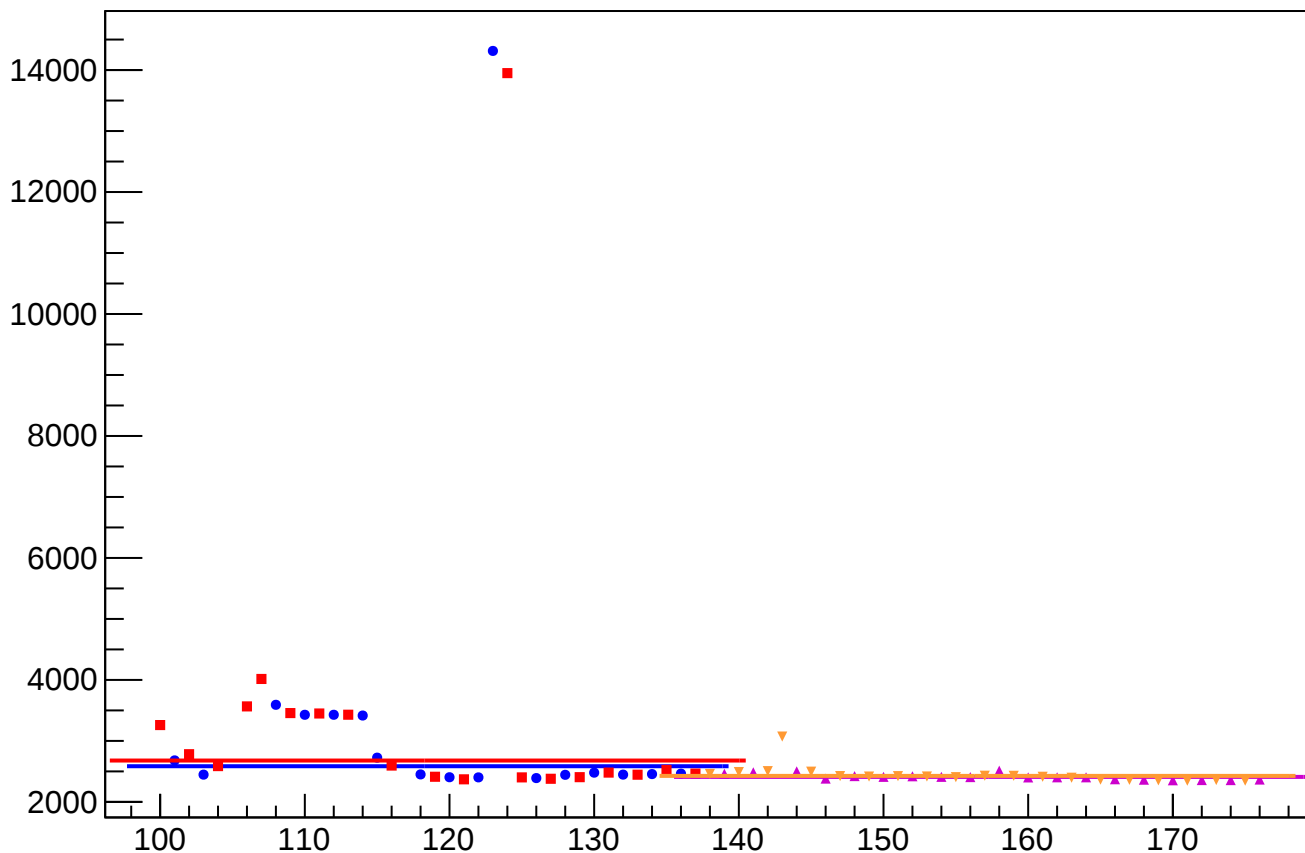
Right: 1263.106+/-720.235 χ^2/NDF : 35.3/35

In: 1724.476+/-534.084 χ^2/NDF :34.5/35

Out: 1139.141+/-534.578 χ^2/NDF :41.6/38

All: 1432.079+/-377.829 χ^2/NDF : 76.7/74

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2584.819 $\pm$ 0.717 χ^2 /NDF: 255710.5/16

Left Out: 2426.465 $\pm$ 0.443 χ^2 /NDF: 69424.6/19

Right Out: 2678.229 $\pm$ 0.724 χ^2 /NDF: 532096.9/18

Left In: 2409.901 $\pm$ 0.444 χ^2 /NDF: 11176.1/18

Left: 2418.205 $\pm$ 0.314 χ^2 /NDF: 81297.2/38

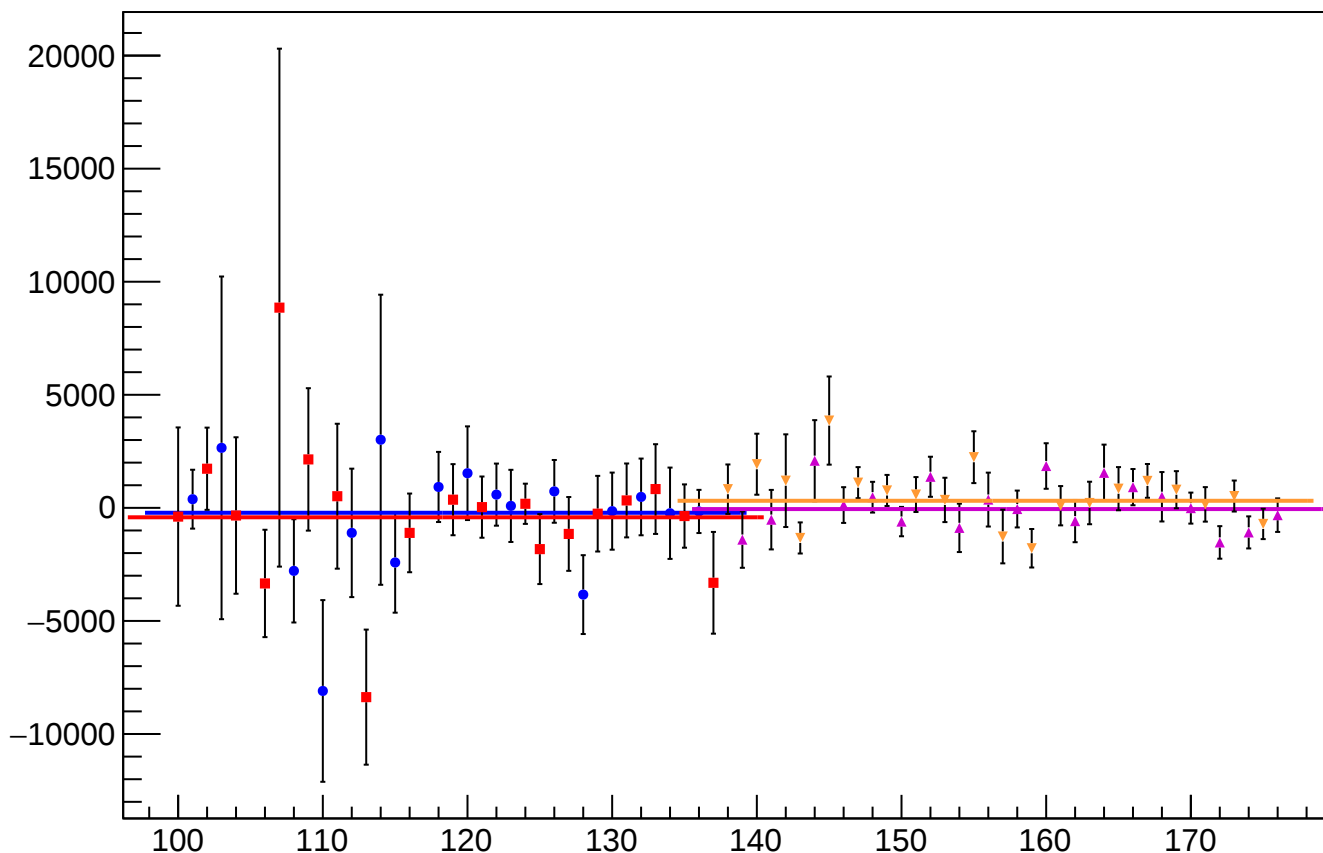
Right: 2631.050 $\pm$ 0.509 χ^2 /NDF: 796216.7/35

In: 2458.481 $\pm$ 0.378 χ^2 /NDF: 309919.3/35

Out: 2495.110 $\pm$ 0.378 χ^2 /NDF: 689494.1/38

All: 2476.779 $\pm$ 0.267 χ^2 /NDF: 1004112.7/74

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 313.073 ± 193.547 χ^2/NDF : 28.1/19

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

Left In: -53.552 ± 199.763 χ^2/NDF : 21.1/18

Left: 135.553 ± 139.004 χ^2/NDF : 50.9/38

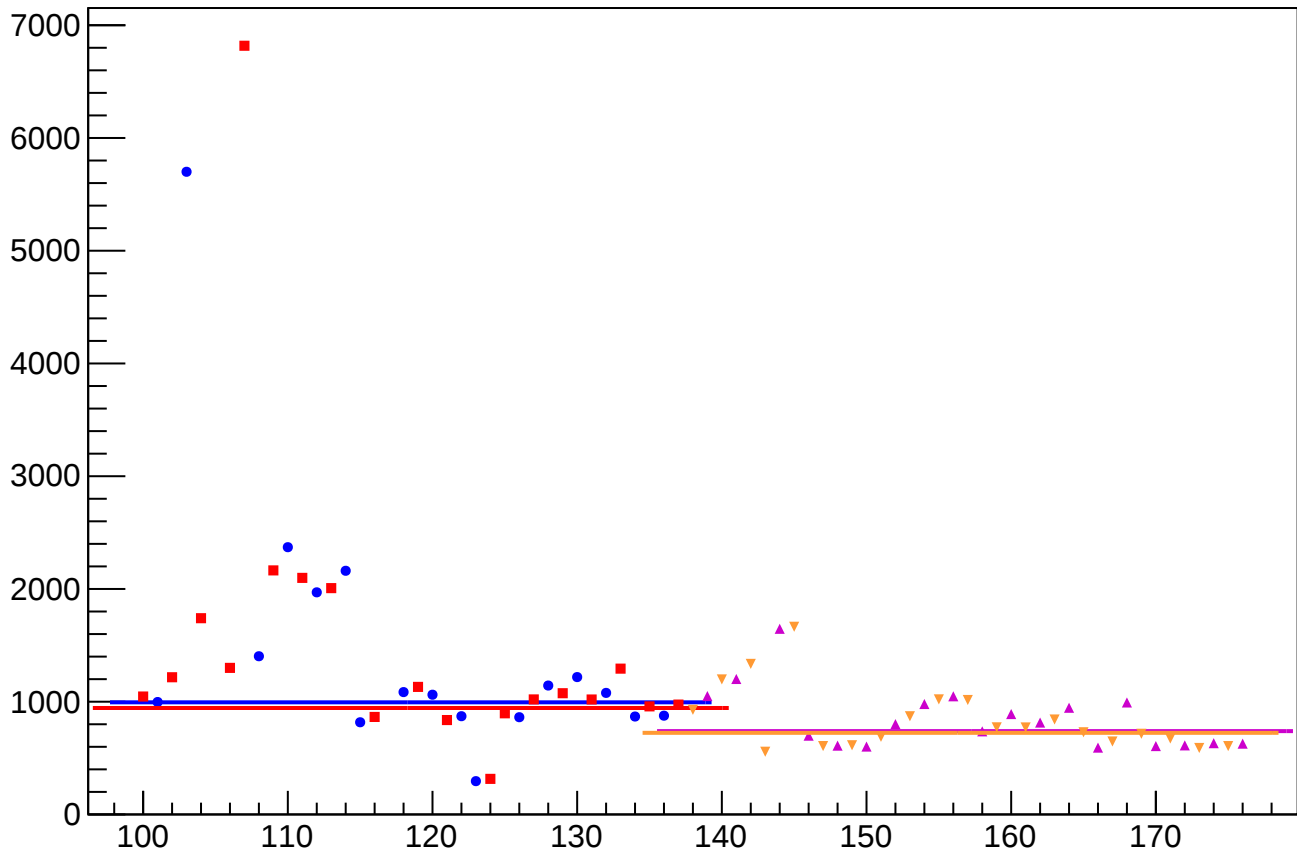
Right: -319.789 ± 293.036 χ^2/NDF : 29.2/35

In: -83.700 ± 180.403 χ^2/NDF : 34.7/35

Out: 179.446 ± 174.945 χ^2/NDF : 46.3/38

All: 51.914 ± 125.590 χ^2/NDF : 82.1/74

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 994.541 $\pm$ 0.297 χ^2 /NDF: 1904549.2/16

Left Out: 724.011 $\pm$ 0.137 χ^2 /NDF:1704914.1/19

Right Out: 944.286 $\pm$ 0.289 χ^2 /NDF: 2666007.0/18

Left In: 739.116 $\pm$ 0.141 χ^2 /NDF:1810635.7/18

Left: 731.325 $\pm$ 0.098 χ^2 /NDF: 3521447.8/38

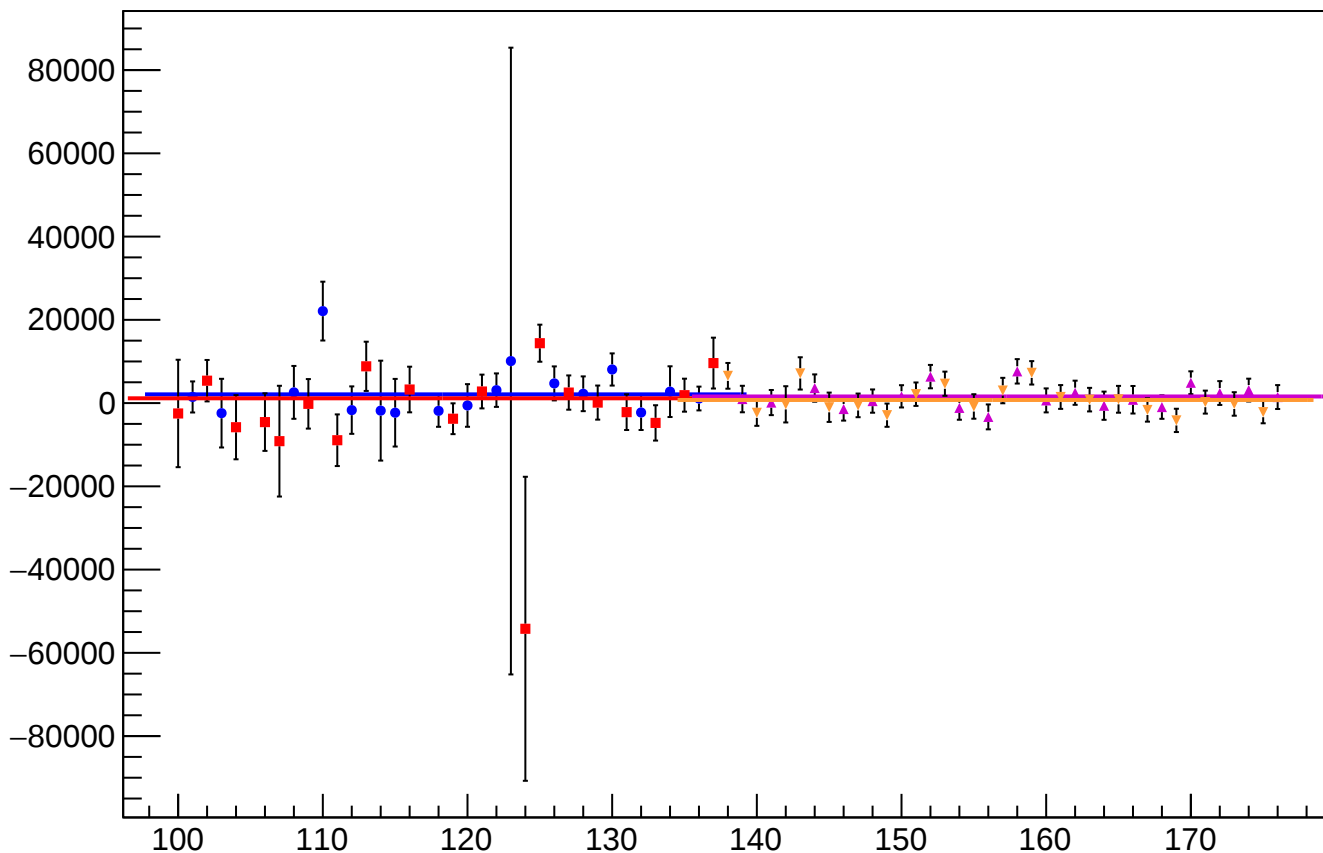
Right: 968.741 $\pm$ 0.207 χ^2 /NDF: 4585251.1/35

In: 786.224 $\pm$ 0.128 χ^2 /NDF:4318242.8/35

Out: 764.318 $\pm$ 0.124 χ^2 /NDF:4844941.1/38

All: 774.934 $\pm$ 0.089 χ^2 /NDF: 9178381.9/74

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 748.197+/-667.151 χ^2/NDF : 22.9/19

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

Left In: 1588.170+/-669.909 χ^2/NDF : 16.1/18

Left: 1166.451+/-472.719 χ^2/NDF : 39.7/38

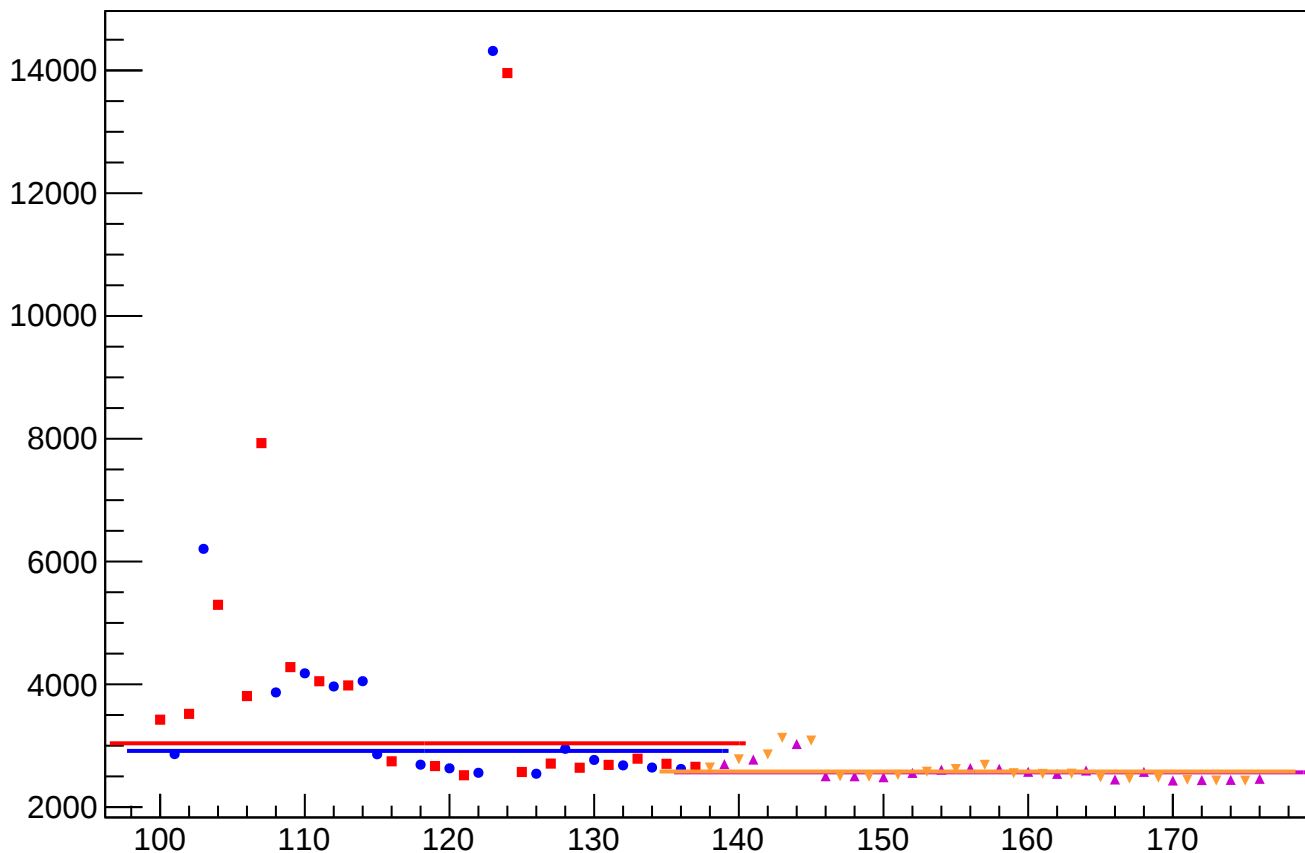
Right: 1631.633+/-829.783 χ^2/NDF : 40.1/35

In: 1714.623+/-580.172 χ^2/NDF : 30.8/35

Out: 844.123+/-581.586 χ^2/NDF : 48.1/38

All: 1280.432+/-410.742 χ^2/NDF : 80.1/74

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2579.612+/-0.472 χ^2/NDF : 129975.3/19

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

Left In: 2565.904+/-0.474 χ^2/NDF : 76846.2/18

Left: 2572.786+/-0.334 χ^2/NDF : 207241.9/38

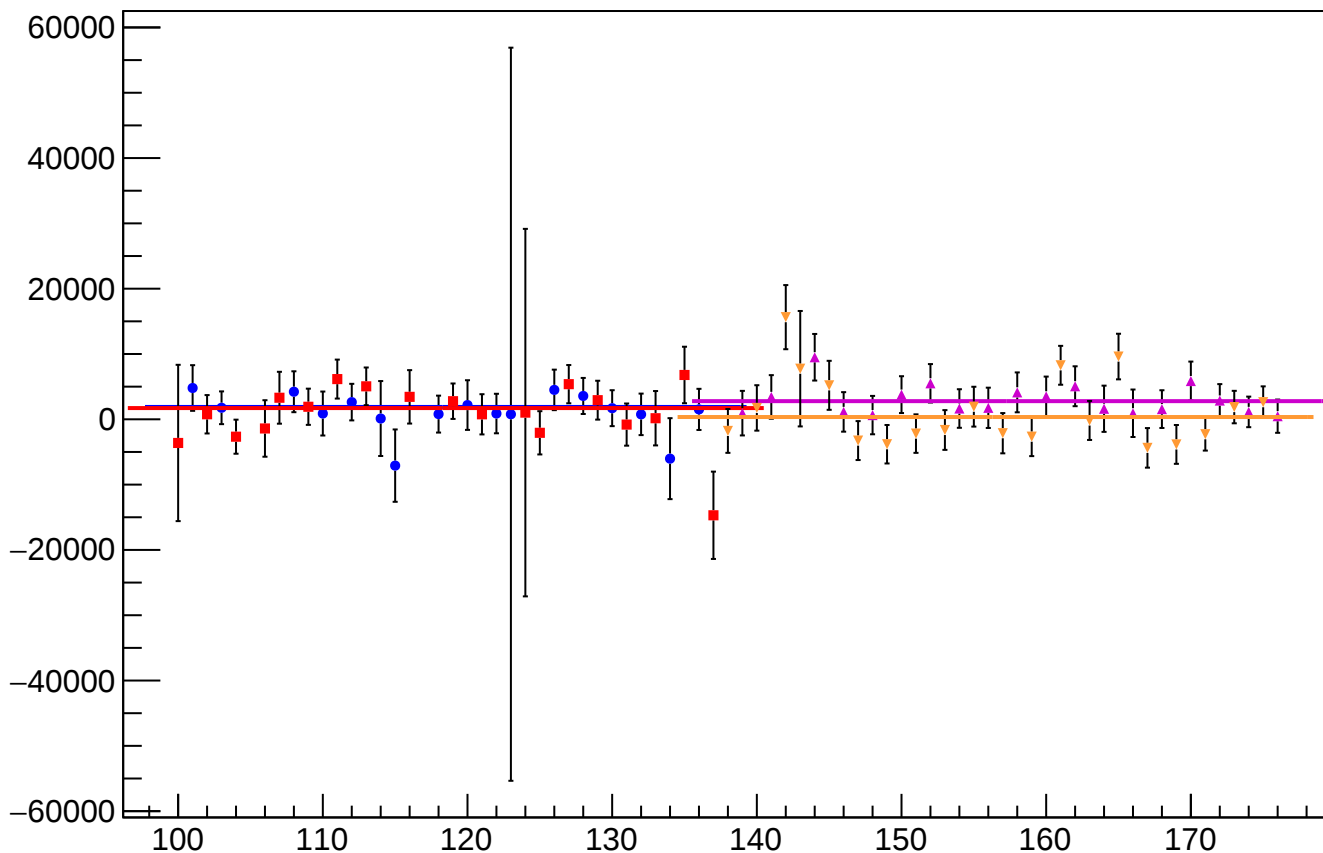
Right: 2975.767+/-0.587 χ^2/NDF : 1661668.2/35

In: 2653.216+/-0.410 χ^2/NDF : 851897.4/35

Out: 2689.926+/-0.411 χ^2/NDF : 1369143.3/38

All: 2671.526+/-0.290 χ^2/NDF : 2225034.6/74

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 349.114 $\pm$ 691.145 χ^2 /NDF:40.1/19

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

Left In: 2780.004 $\pm$ 682.529 χ^2 /NDF:9.7/18

Left: 1579.806 $\pm$ 485.639 χ^2 /NDF: 56.1/38

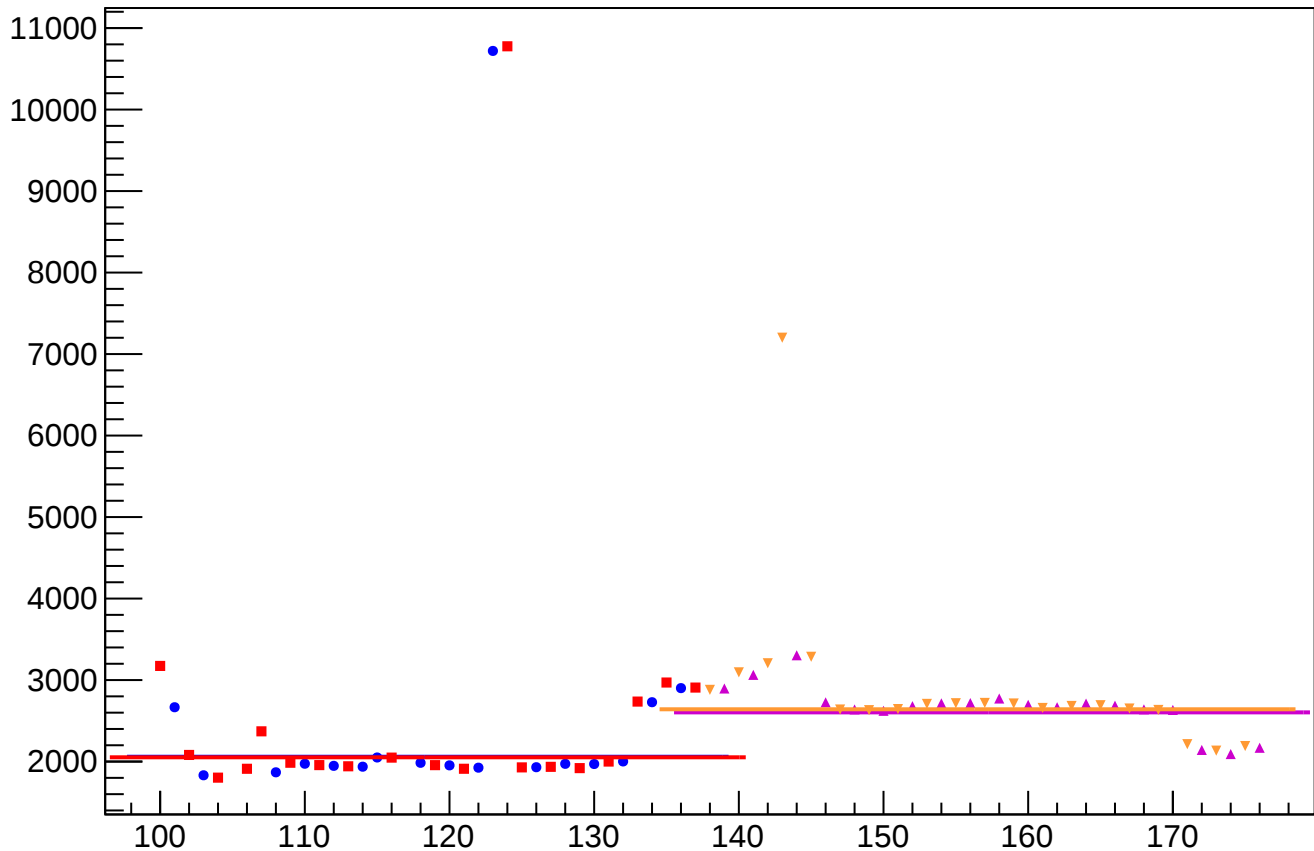
Right: 1802.263 $\pm$ 566.080 χ^2 /NDF: 26.2/35

In: 2411.202 $\pm$ 522.322 χ^2 /NDF:17.6/35

Out: 942.996 $\pm$ 520.205 χ^2 /NDF:60.8/38

All: 1674.119 $\pm$ 368.587 χ^2 /NDF: 82.4/74

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2641.415+/-0.489 χ^2/NDF : 878220.6/19

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

Left In: 2603.557+/-0.483 χ^2/NDF : 373626.6/18

Left: 2622.248+/-0.343 χ^2/NDF : 1254885.3/38

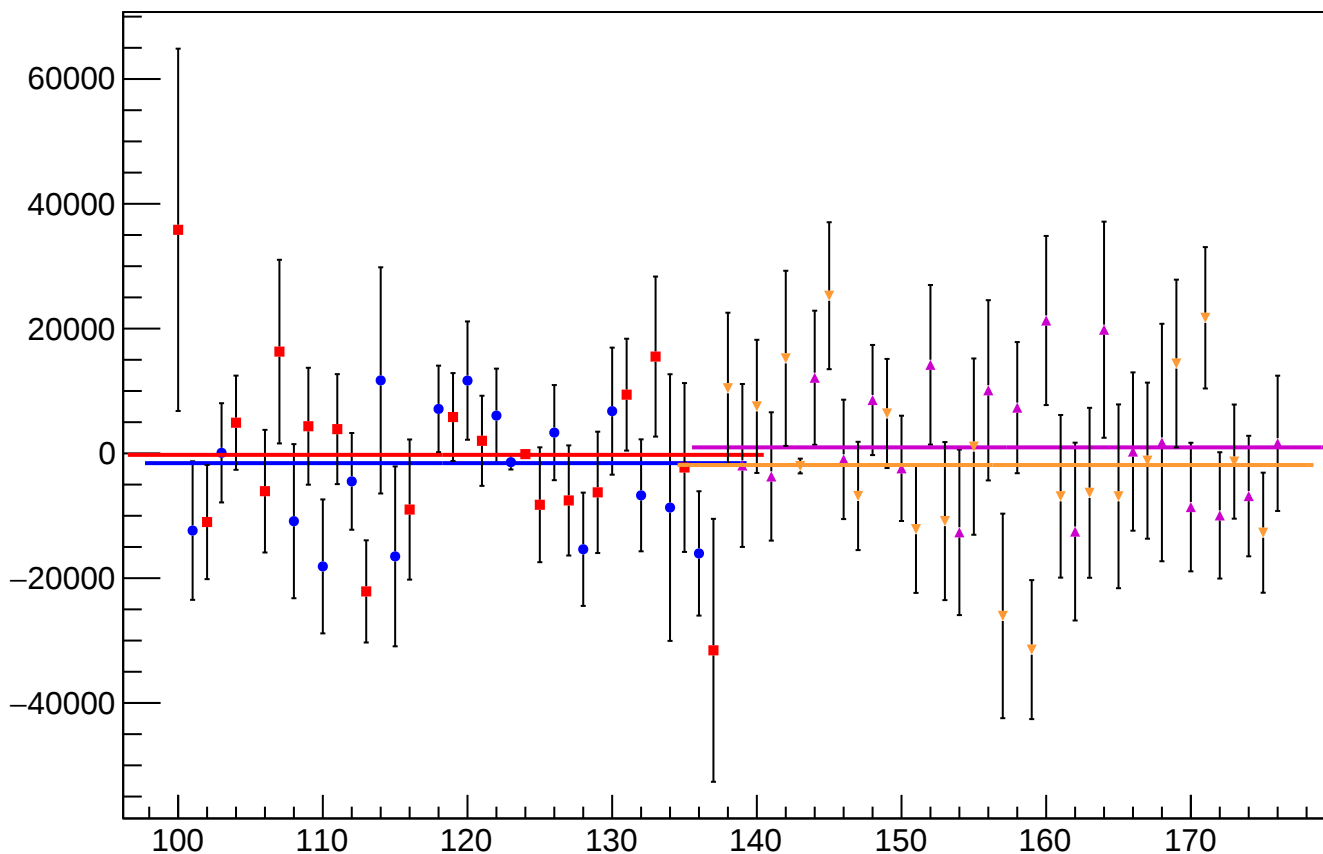
Right: 2055.522+/-0.400 χ^2/NDF : 761953.2/35

In: 2377.901+/-0.369 χ^2/NDF : 1219789.4/35

Out: 2386.023+/-0.368 χ^2/NDF : 1951524.0/38

All: 2381.979+/-0.261 χ^2/NDF : 3171556.2/74

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1865.570 $\pm$ 1078.217 χ^2 /NDF: 28.1/19

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

Left In: 964.686 $\pm$ 2594.998 χ^2 /NDF: 12.2/18

Left: -1448.893 $\pm$ 995.690 χ^2 /NDF: 41.3/38

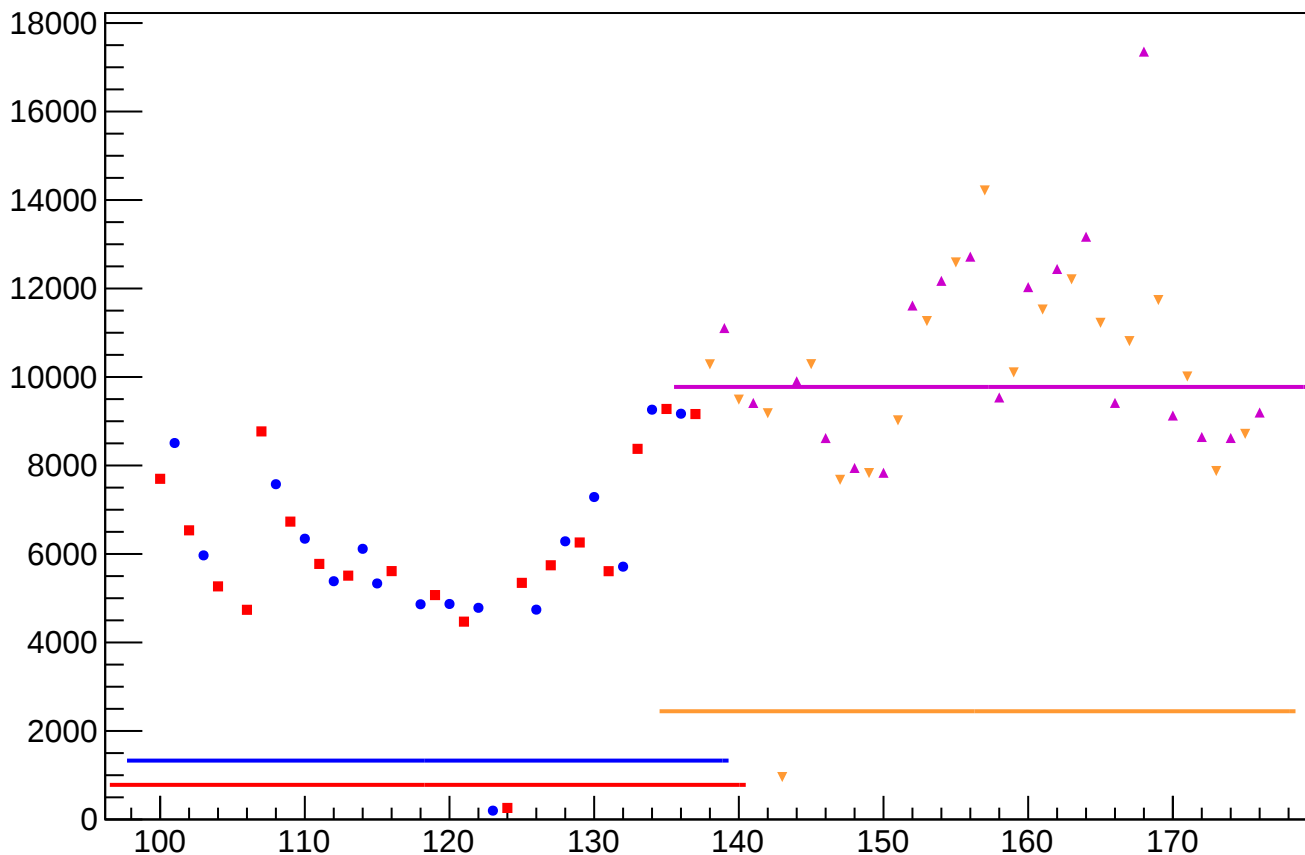
Right: -638.499 $\pm$ 580.304 χ^2 /NDF: 38.1/35

In: -1205.274 $\pm$ 976.481 χ^2 /NDF: 29.2/35

Out: -714.629 $\pm$ 584.259 χ^2 /NDF: 50.5/38

All: -843.975 $\pm$ 501.367 χ^2 /NDF: 79.9/74

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1330.250+/-0.745

χ^2/NDF : 10046828.9/16

Left Out: 2445.560+/-0.762

χ^2/NDF : 19512977.5/19

Right Out: 781.848+/-0.492

χ^2/NDF : 11439893.7/18

Left In: 9775.329+/-1.835

χ^2/NDF : 1023469.8/18

Left: 3524.667+/-0.704

χ^2/NDF : 34143761.8/38

Right: 948.102+/-0.410

χ^2/NDF : 21864055.1/35

In: 2526.047+/-0.690

χ^2/NDF : 29252850.1/35

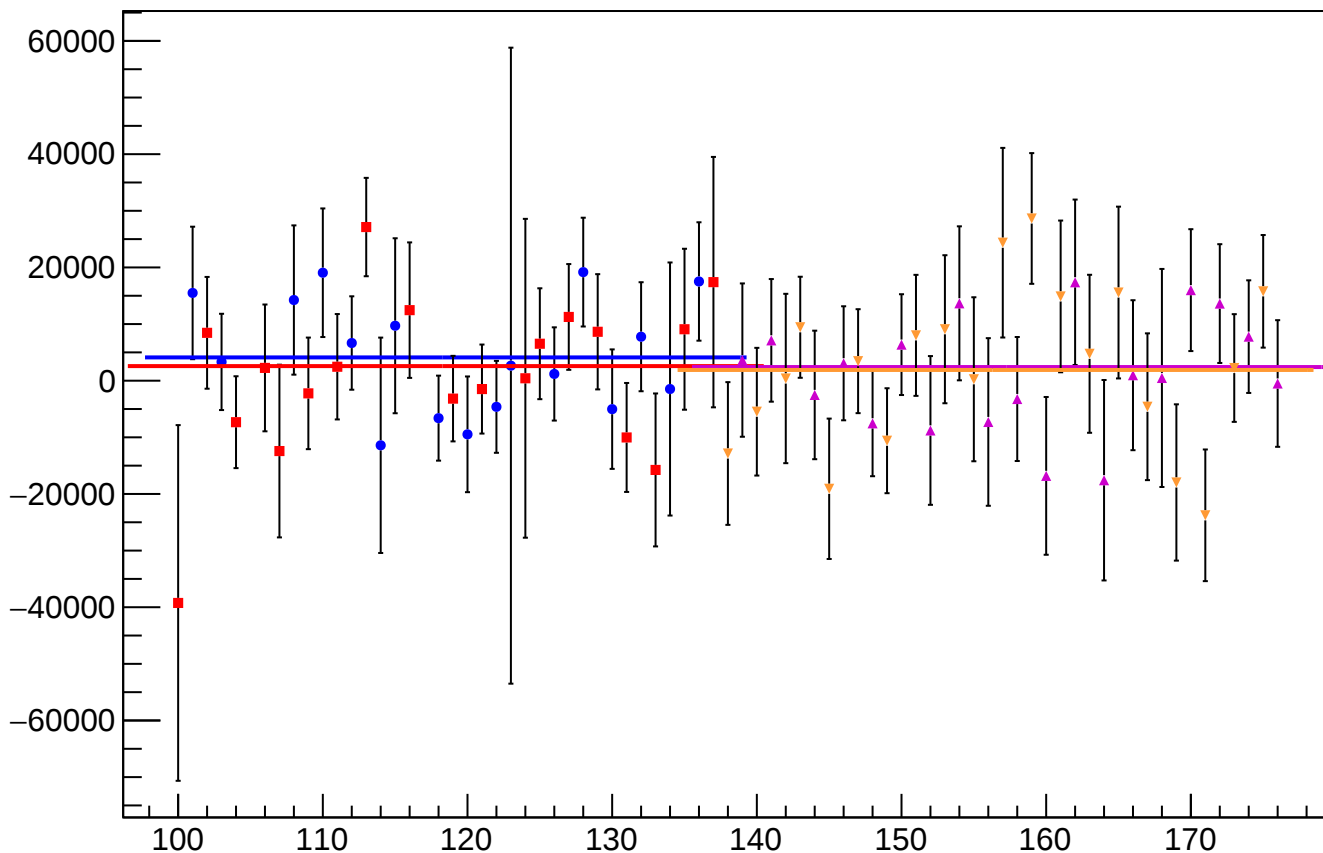
Out: 1270.362+/-0.413

χ^2/NDF : 34316490.9/38

All: 1601.390+/-0.355

χ^2/NDF : 66004703.2/71

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 1895.770+/-2612.425 χ^2/NDF : 26.0/19

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

Left In: 2410.171+/-2700.680 χ^2/NDF : 11.2/18

Left: 2144.428+/-1877.689 χ^2/NDF : 37.2/38

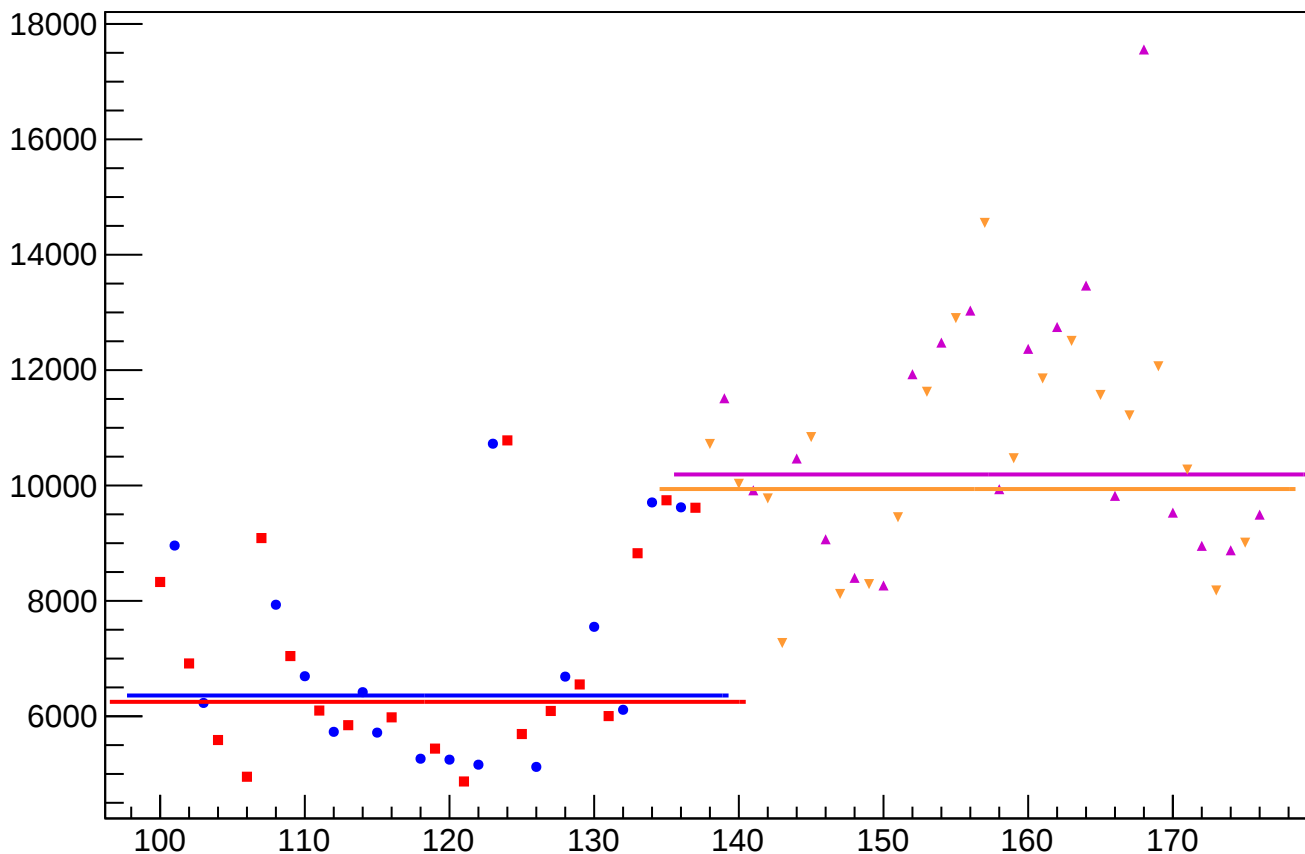
Right: 3309.487+/-1750.441 χ^2/NDF : 34.5/35

In: 3314.956+/-1848.098 χ^2/NDF : 25.7/35

Out: 2262.715+/-1775.522 χ^2/NDF : 46.0/38

All: 2767.769+/-1280.372 χ^2/NDF : 71.9/74

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 9938.673+/-1.847 χ^2/NDF : 903085.8/19

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

Left In: 10191.409+/-1.910 χ^2/NDF : 930966.6/18

Left: 10060.844+/-1.328 χ^2/NDF : 1843100.9/38

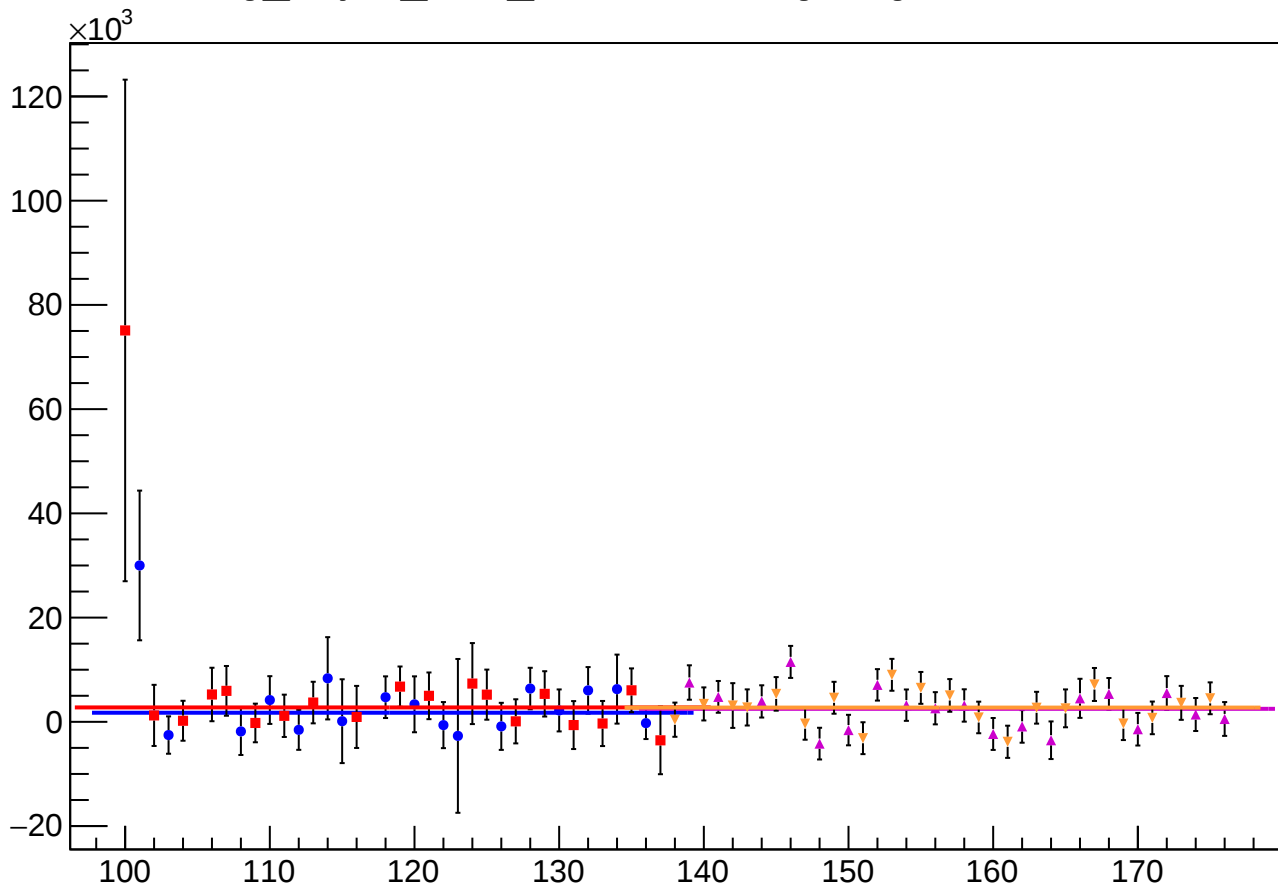
Right: 6302.460+/-1.238 χ^2/NDF : 1115403.3/35

In: 8154.117+/-1.307 χ^2/NDF : 3651880.5/35

Out: 7953.804+/-1.255 χ^2/NDF : 3581601.7/38

All: 8049.948+/-0.905 χ^2/NDF : 7245701.0/74

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1746.001 $\pm$ 1128.522 χ^2 /NDF: 12.2/16

Left Out: 2734.001 $\pm$ 714.415 χ^2 /NDF: 21.2/19

Right Out: 2763.863 $\pm$ 1071.947 χ^2 /NDF: 9.7/18

Left In: 2496.131 $\pm$ 721.704 χ^2 /NDF: 31.4/18

Left: 2616.273 $\pm$ 507.725 χ^2 /NDF: 52.7/38

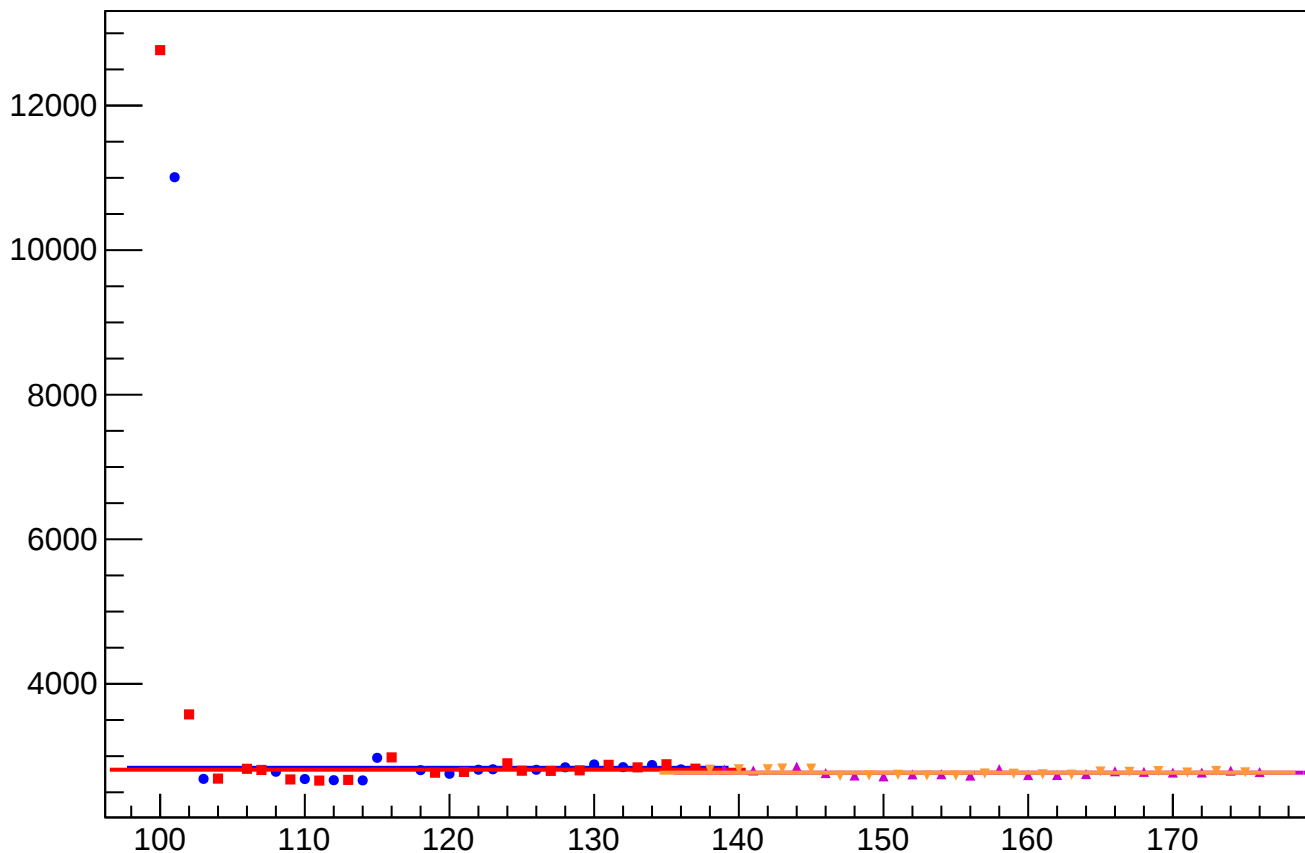
Right: 2281.084 $\pm$ 777.212 χ^2 /NDF: 22.3/35

In: 2278.394 $\pm$ 608.005 χ^2 /NDF: 43.9/35

Out: 2743.185 $\pm$ 594.485 χ^2 /NDF: 30.9/38

All: 2516.015 $\pm$ 425.064 χ^2 /NDF: 75.1/74

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2838.737 $\pm$ 0.798 χ^2 /NDF: 660209.3/16

Left Out: 2771.619 $\pm$ 0.505 χ^2 /NDF: 4339.5/19

Right Out: 2812.627 $\pm$ 0.758 χ^2 /NDF: 133064.0/18

Left In: 2771.345 $\pm$ 0.510 χ^2 /NDF: 4721.3/18

Left: 2771.484 $\pm$ 0.359 χ^2 /NDF: 9061.0/38

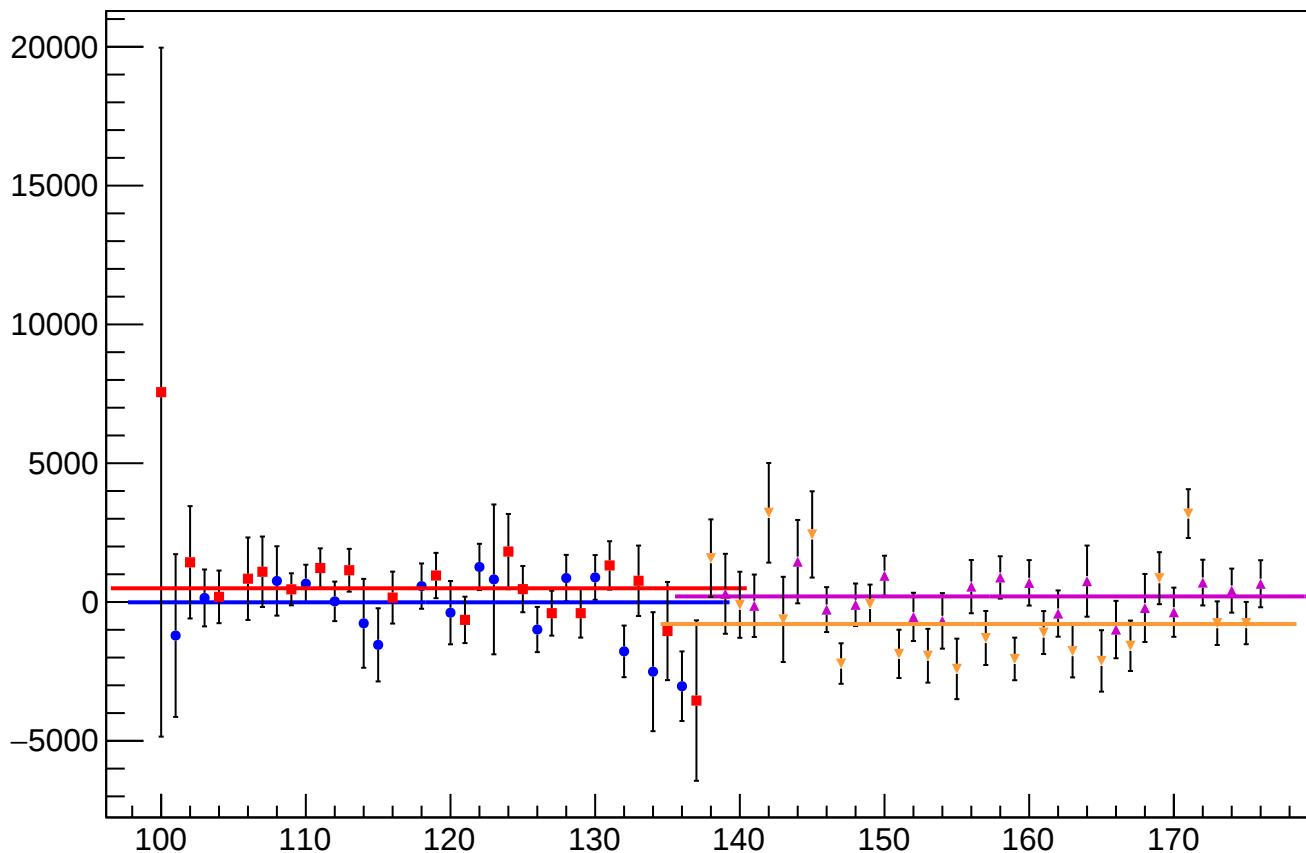
Right: 2825.011 $\pm$ 0.550 χ^2 /NDF: 793836.1/35

In: 2790.907 $\pm$ 0.430 χ^2 /NDF: 669992.6/35

Out: 2784.232 $\pm$ 0.420 χ^2 /NDF: 139430.3/38

All: 2787.494 $\pm$ 0.301 χ^2 /NDF: 809546.1/74

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -9.845 ± 241.678 $\chi^2/\text{NDF}: 20.7/16$

Left Out: -792.223 ± 209.035 $\chi^2/\text{NDF}: 52.5/19$

Right Out: 495.250 ± 221.487 $\chi^2/\text{NDF}: 11.9/18$

Left In: 201.901 ± 209.095 $\chi^2/\text{NDF}: 8.5/18$

Left: -295.302 ± 147.831 $\chi^2/\text{NDF}: 72.2/38$

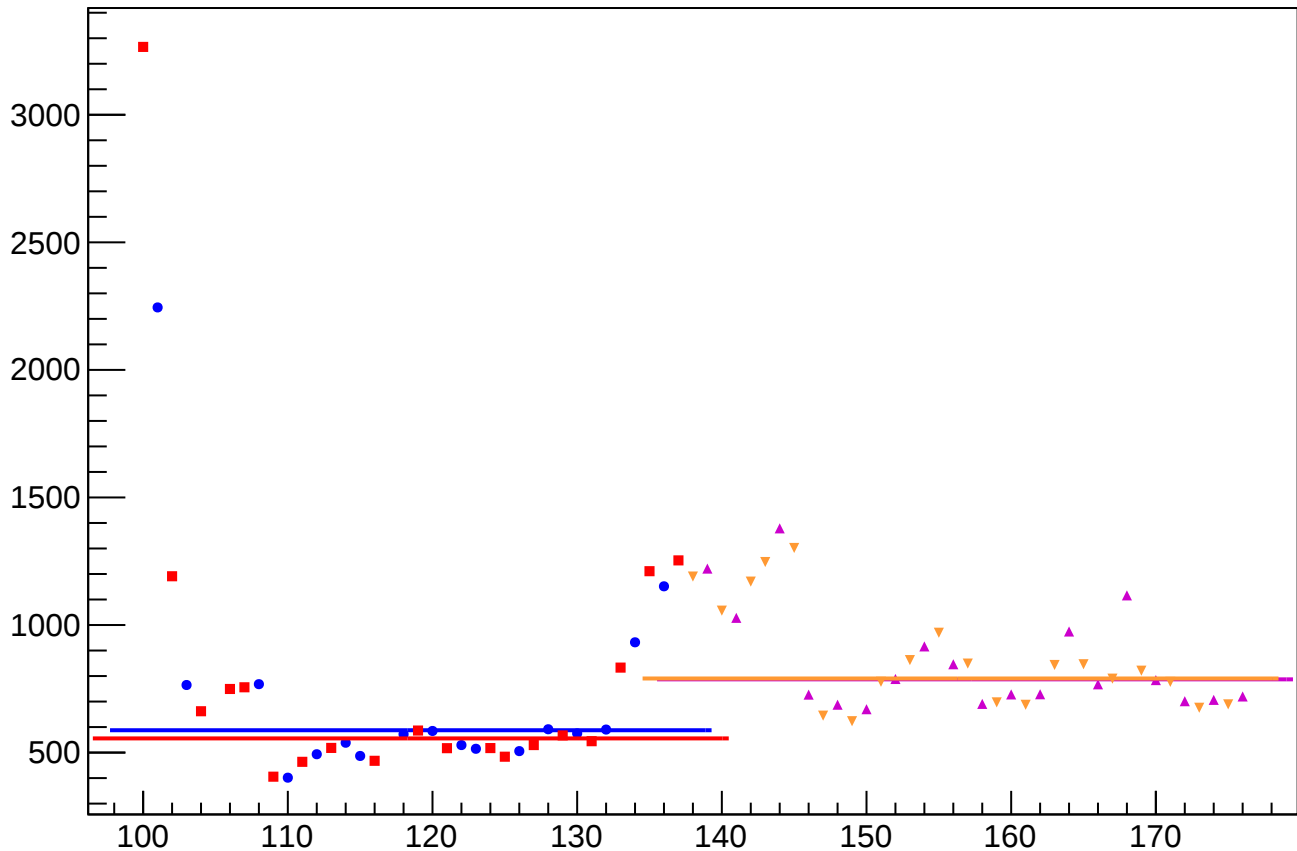
Right: 264.680 ± 163.287 $\chi^2/\text{NDF}: 35.0/35$

In: 111.254 ± 158.127 $\chi^2/\text{NDF}: 29.6/35$

Out: -185.692 ± 152.022 $\chi^2/\text{NDF}: 82.2/38$

All: -43.062 ± 109.590 $\chi^2/\text{NDF}: 113.7/74$

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 587.596+/-0.171 χ^2/NDF : 1425769.6/16

Left Out: 790.414+/-0.148 χ^2/NDF :1172333.7/19

Right Out: 555.534+/-0.157 χ^2/NDF : 1106760.5/18

Left In: 787.023+/-0.148 χ^2/NDF :1017398.9/18

Left: 788.719+/-0.105 χ^2/NDF : 2189995.7/38

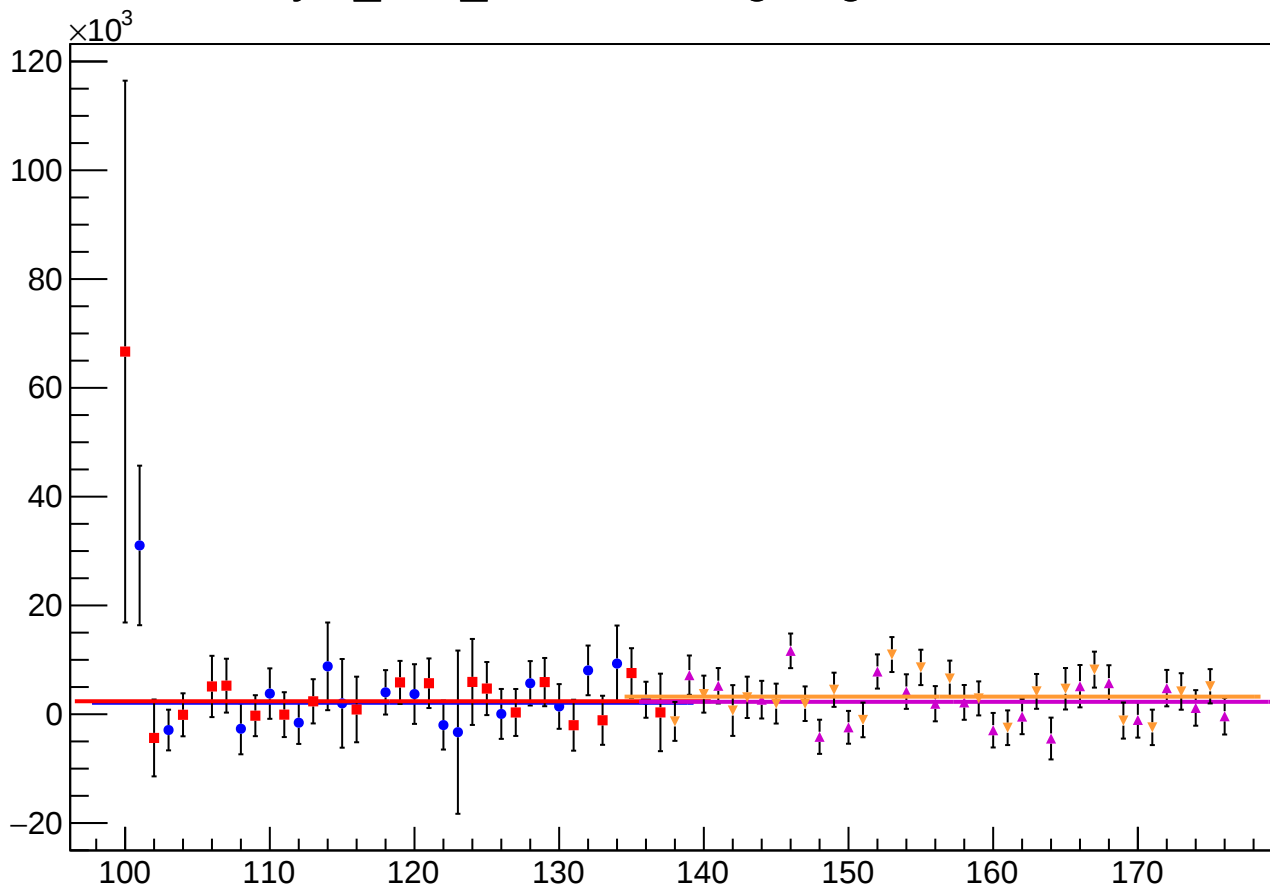
Right: 570.170+/-0.115 χ^2/NDF : 2551661.9/35

In: 701.650+/-0.112 χ^2/NDF :3222005.4/35

Out: 679.761+/-0.107 χ^2/NDF :3468685.7/38

All: 690.275+/-0.077 χ^2/NDF : 6710606.0/74

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2108.498 $\pm$ 1164.336 χ^2 /NDF: 13.5/16

Left Out: 3233.879 $\pm$ 751.682 χ^2 /NDF:24.7/19

Right Out: 2385.851 $\pm$ 1110.248 χ^2 /NDF: 9.9/18

Left In: 2280.564 $\pm$ 757.163 χ^2 /NDF:31.9/18

Left: 2760.684 $\pm$ 533.447 χ^2 /NDF: 57.4/38

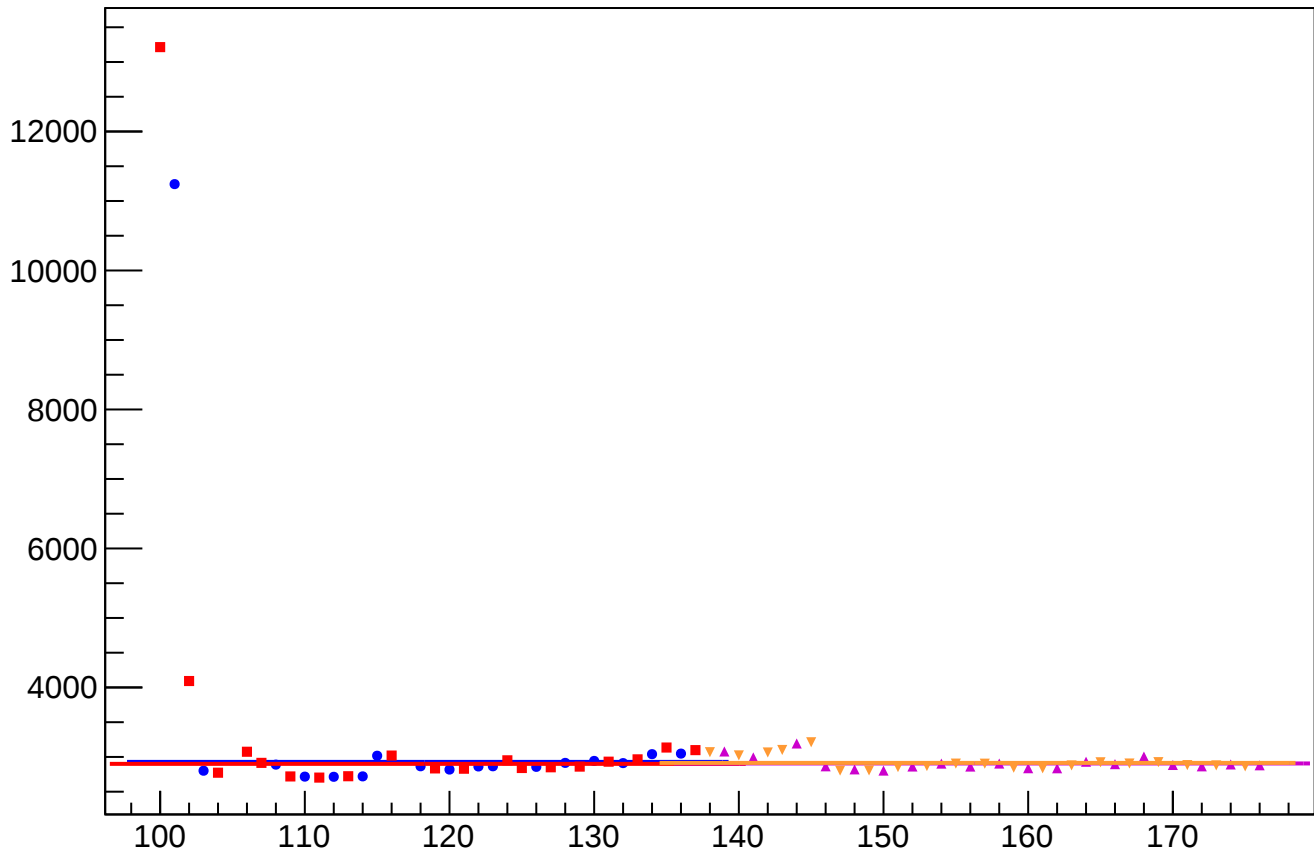
Right: 2253.766 $\pm$ 803.505 χ^2 /NDF: 23.4/35

In: 2229.425 $\pm$ 634.753 χ^2 /NDF:45.4/35

Out: 2967.336 $\pm$ 622.441 χ^2 /NDF:35.0/38

All: 2605.606 $\pm$ 444.421 χ^2 /NDF: 81.1/74

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2928.700+/-0.823 χ^2/NDF : 662362.9/16

Left Out: 2914.376+/-0.532 χ^2/NDF : 35048.7/19

Right Out: 2900.472+/-0.785 χ^2/NDF : 169720.6/18

Left In: 2906.316+/-0.535 χ^2/NDF : 28959.2/18

Left: 2910.375+/-0.377 χ^2/NDF : 64122.1/38

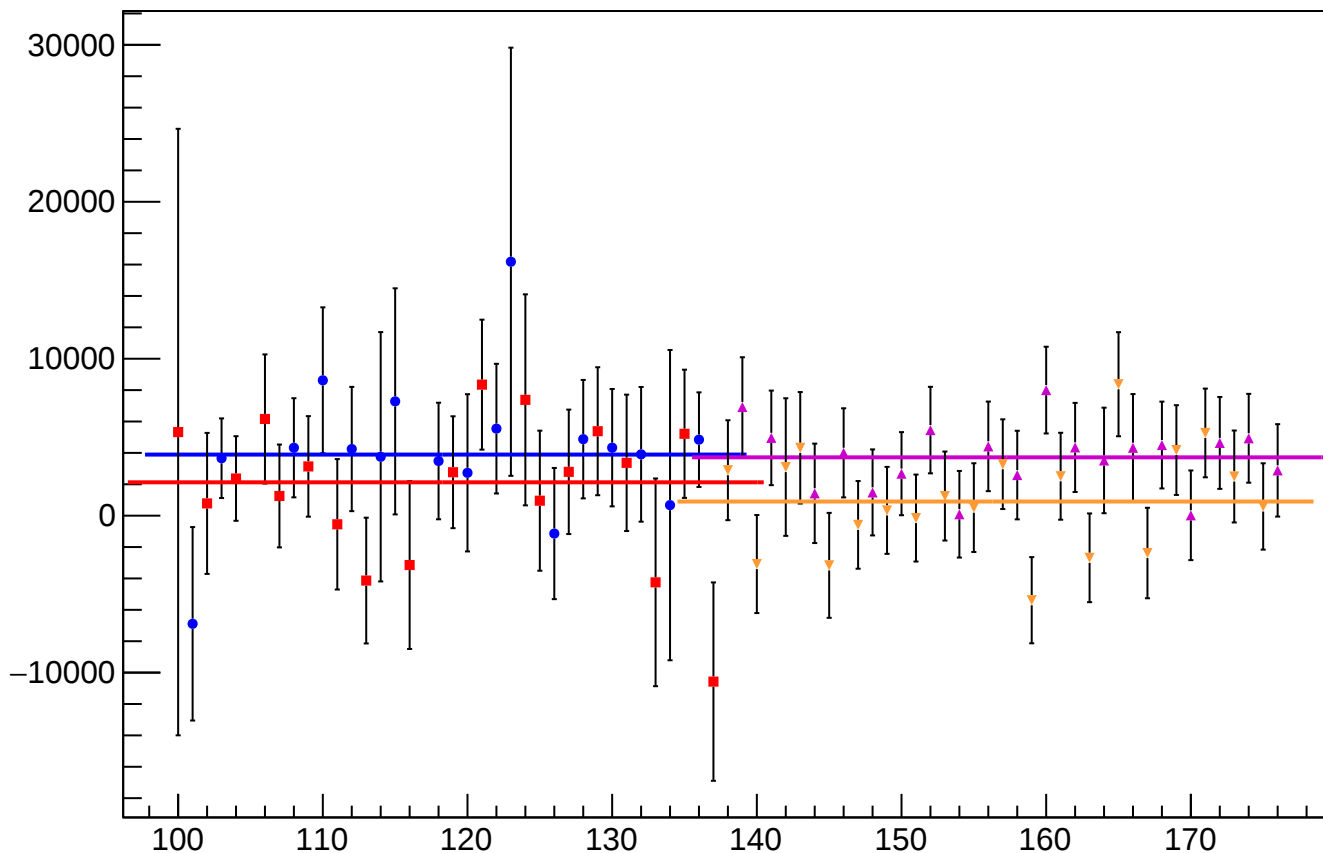
Right: 2913.915+/-0.568 χ^2/NDF : 832699.2/35

In: 2912.969+/-0.449 χ^2/NDF : 691841.6/35

Out: 2910.006+/-0.440 χ^2/NDF : 204984.4/38

All: 2911.458+/-0.314 χ^2/NDF : 896848.2/74

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 901.079+/-662.536 χ^2/NDF : 23.5/19

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

Left In: 3716.400+/-665.284 χ^2/NDF : 9.5/18

Left: 2302.912+/-469.452 χ^2/NDF : 41.9/38

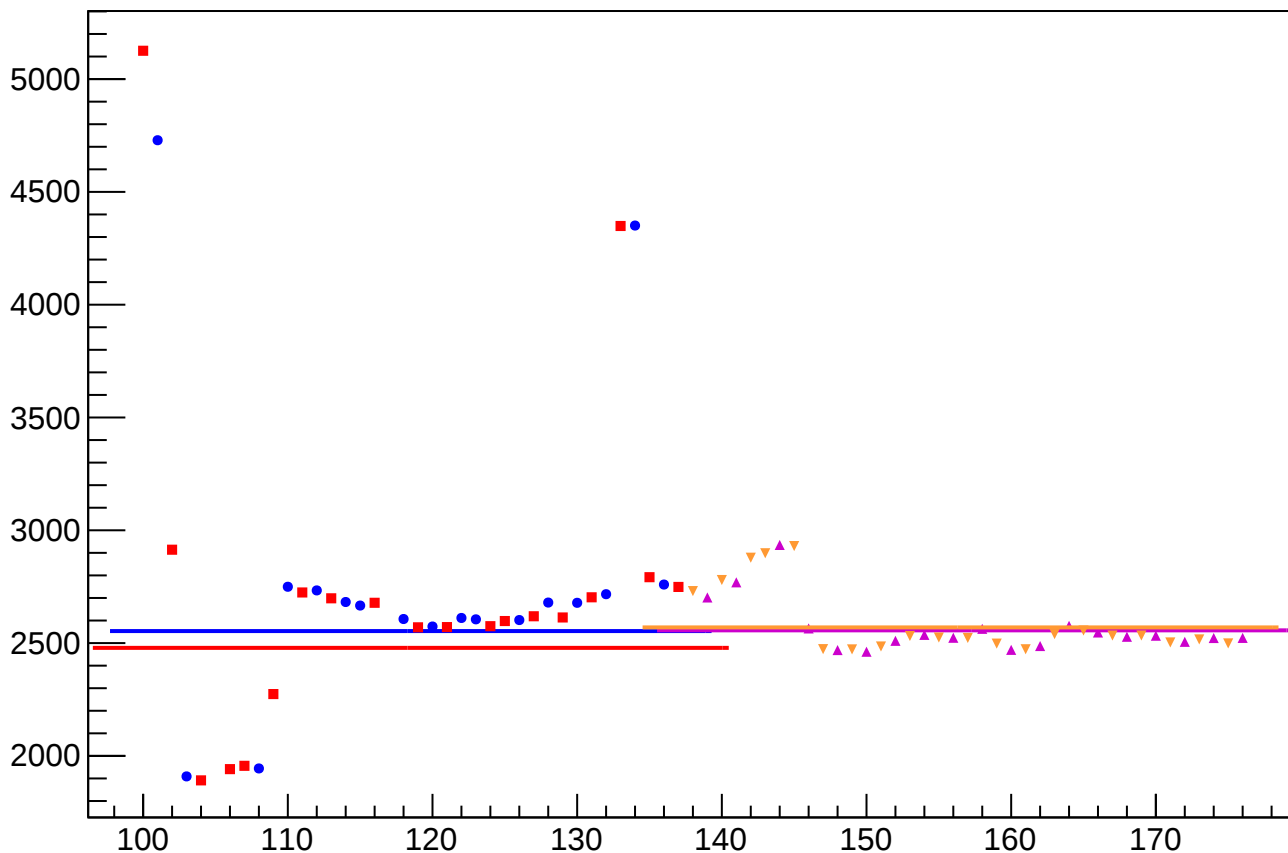
Right: 2960.811+/-695.784 χ^2/NDF : 23.1/35

In: 3769.562+/-555.870 χ^2/NDF : 16.6/35

Out: 1296.737+/-544.994 χ^2/NDF : 38.9/38

All: 2508.719+/-389.157 χ^2/NDF : 65.6/74

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2553.280 +/- 0.715 χ^2/NDF : 545226.9/16

Left Out: 2569.484 +/- 0.468 χ^2/NDF : 80361.5/19

Right Out: 2478.860 +/- 0.678 χ^2/NDF : 449502.6/18

Left In: 2556.488 +/- 0.470 χ^2/NDF : 53066.9/18

Left: 2563.013 +/- 0.332 χ^2/NDF : 133811.6/38

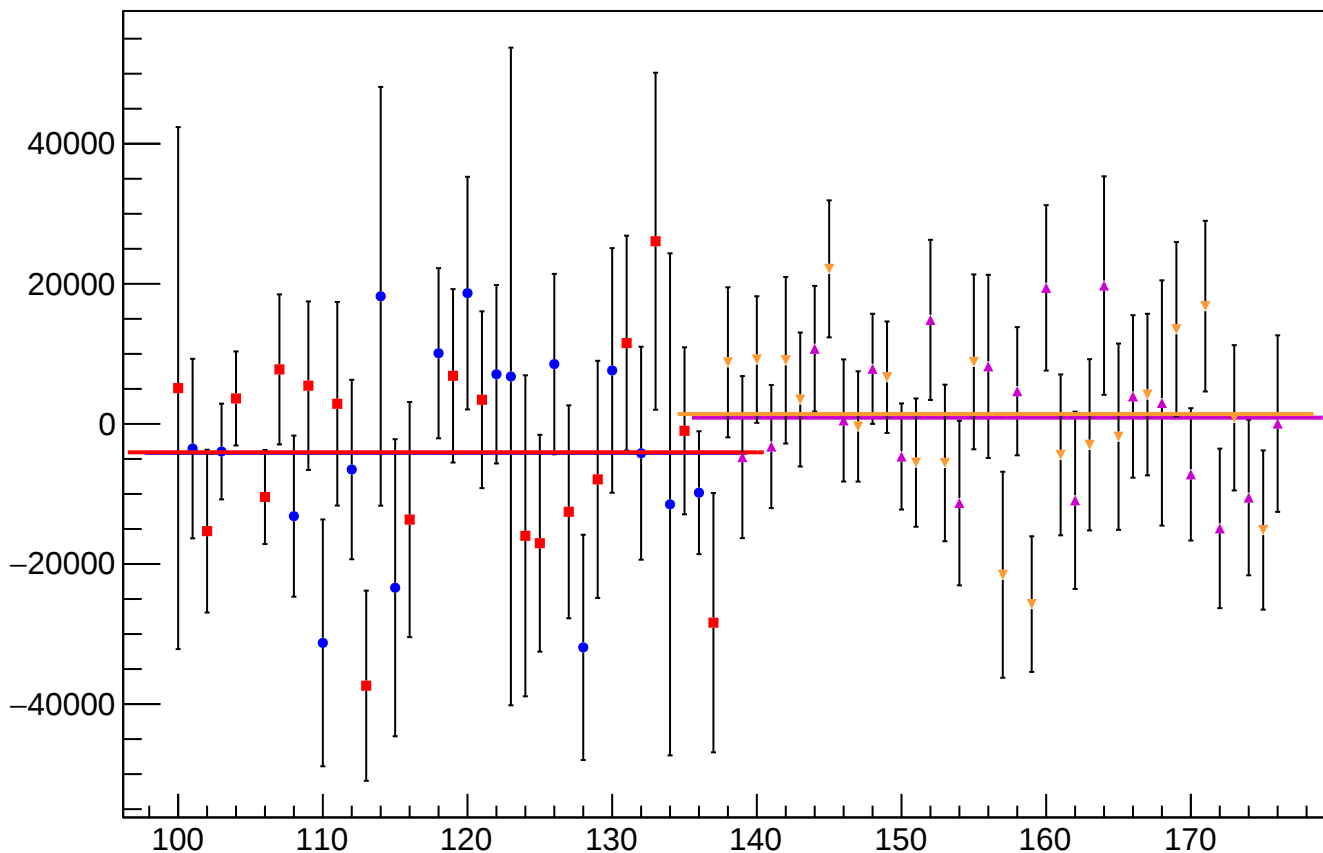
Right: 2514.058 +/- 0.492 χ^2/NDF : 1000433.0/35

In: 2555.520 +/- 0.393 χ^2/NDF : 598307.9/35

Out: 2540.181 +/- 0.385 χ^2/NDF : 541963.9/38

All: 2547.699 +/- 0.275 χ^2/NDF : 1141048.2/74

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -4126.319 ± 3227.044 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 1407.272 ± 2352.638 $\chi^2/\text{NDF}: 23.4/19$

Right Out: -4060.328 ± 2834.326 $\chi^2/\text{NDF}: 18.5/18$

Left In: 892.603 ± 2398.311 $\chi^2/\text{NDF}: 14.6/18$

Left: 1154.885 ± 1679.481 $\chi^2/\text{NDF}: 38.1/38$

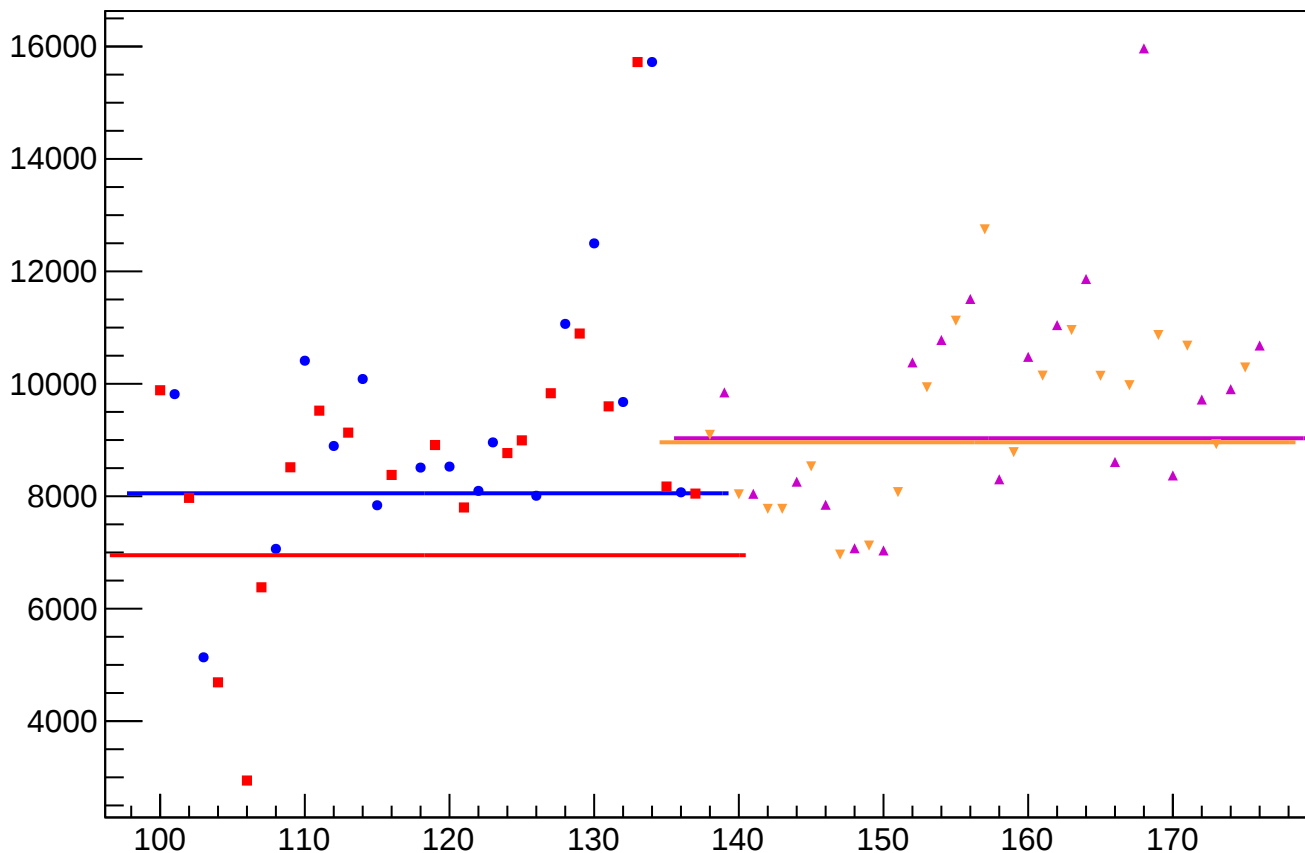
Right: -4089.066 ± 2129.557 $\chi^2/\text{NDF}: 31.9/35$

In: -893.173 ± 1924.922 $\chi^2/\text{NDF}: 29.6/35$

Out: -823.120 ± 1810.264 $\chi^2/\text{NDF}: 44.2/38$

All: -855.998 ± 1318.722 $\chi^2/\text{NDF}: 73.7/74$

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8052.552+/-2.282 χ^2/NDF : 790724.2/16

Left Out: 8960.026+/-1.664 χ^2/NDF : 758660.2/19

Right Out: 6950.943+/-2.004 χ^2/NDF : 1776578.9/18

Left In: 9031.464+/-1.696 χ^2/NDF : 1033027.0/18

Left: 8995.058+/-1.188 χ^2/NDF : 1792591.5/38

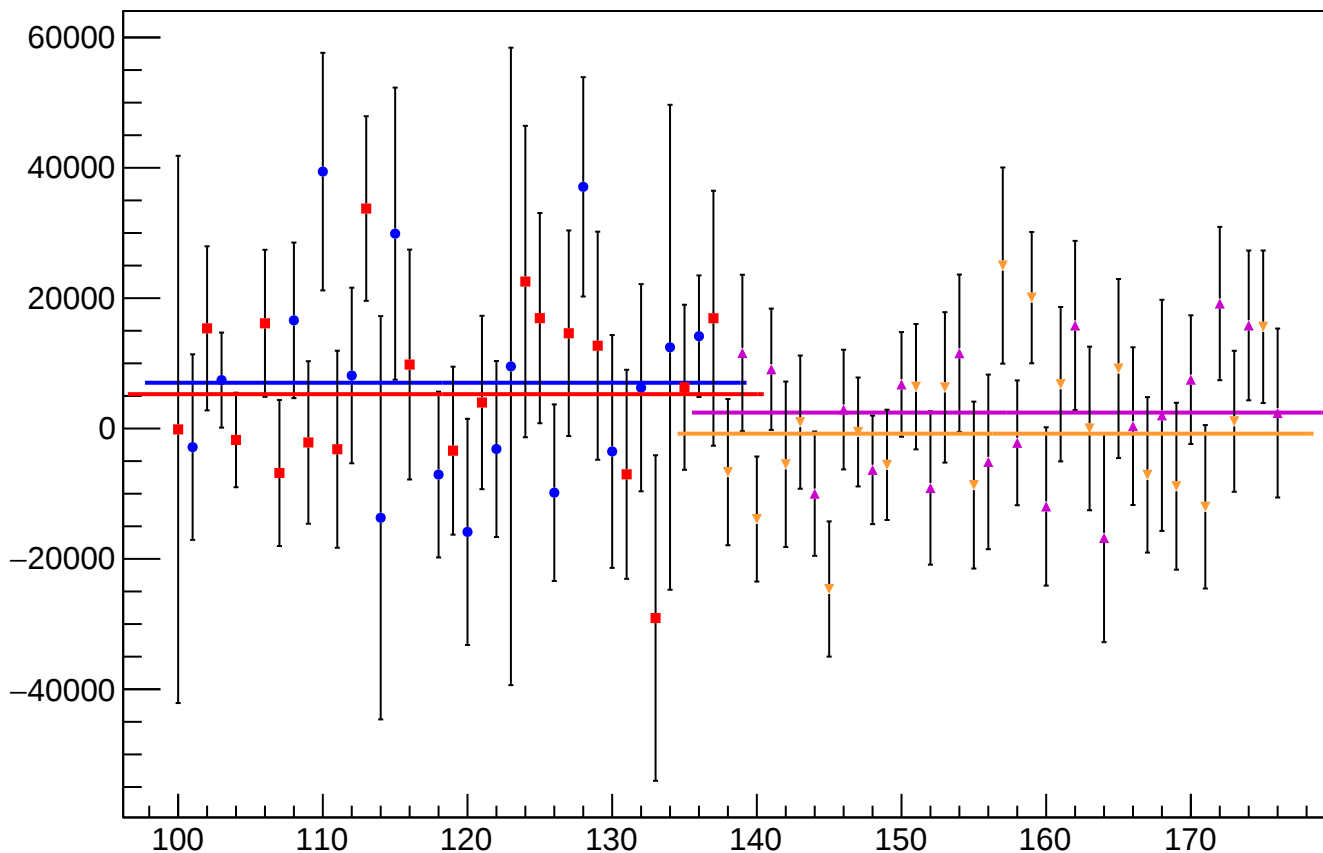
Right: 7430.673+/-1.506 χ^2/NDF : 2698872.2/35

In: 8683.158+/-1.361 χ^2/NDF : 1942306.9/35

Out: 8140.463+/-1.280 χ^2/NDF : 3130215.5/38

All: 8395.168+/-0.932 χ^2/NDF : 5156882.8/74

asym_atr2_mean vs Slug, Sign Corrected



Right In: 7025.400+/-3409.490 χ^2/NDF : 15.0/16

Left Out: -788.909+/-2461.813 χ^2/NDF : 20.9/19

Right Out: 5271.793+/-3168.195 χ^2/NDF : 13.4/18

Left In: 2446.530+/-2503.858 χ^2/NDF : 13.9/18

Left: 801.417+/-1755.441 χ^2/NDF : 35.6/38

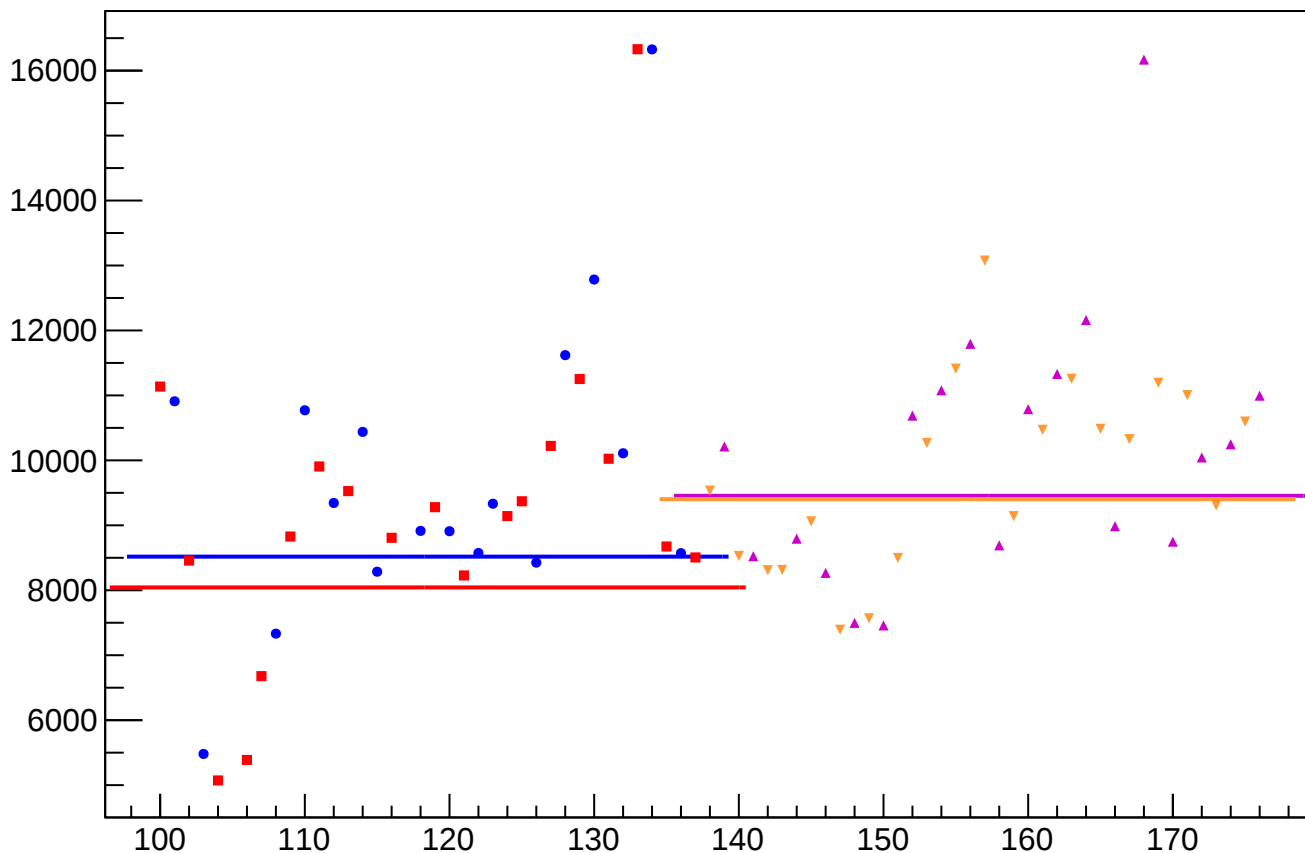
Right: 6084.354+/-2320.872 χ^2/NDF : 28.5/35

In: 4050.780+/-2018.117 χ^2/NDF : 30.1/35

Out: 1492.806+/-1943.933 χ^2/NDF : 36.5/38

All: 2723.916+/-1400.060 χ^2/NDF : 67.4/74

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8517.886+/-2.411 χ^2/NDF : 763281.4/16

Left Out: 9402.440+/-1.741 χ^2/NDF : 642192.3/19

Right Out: 8043.998+/-2.240 χ^2/NDF : 952125.8/18

Left In: 9454.387+/-1.770 χ^2/NDF : 903108.7/18

Left: 9427.974+/-1.241 χ^2/NDF : 1545738.7/38

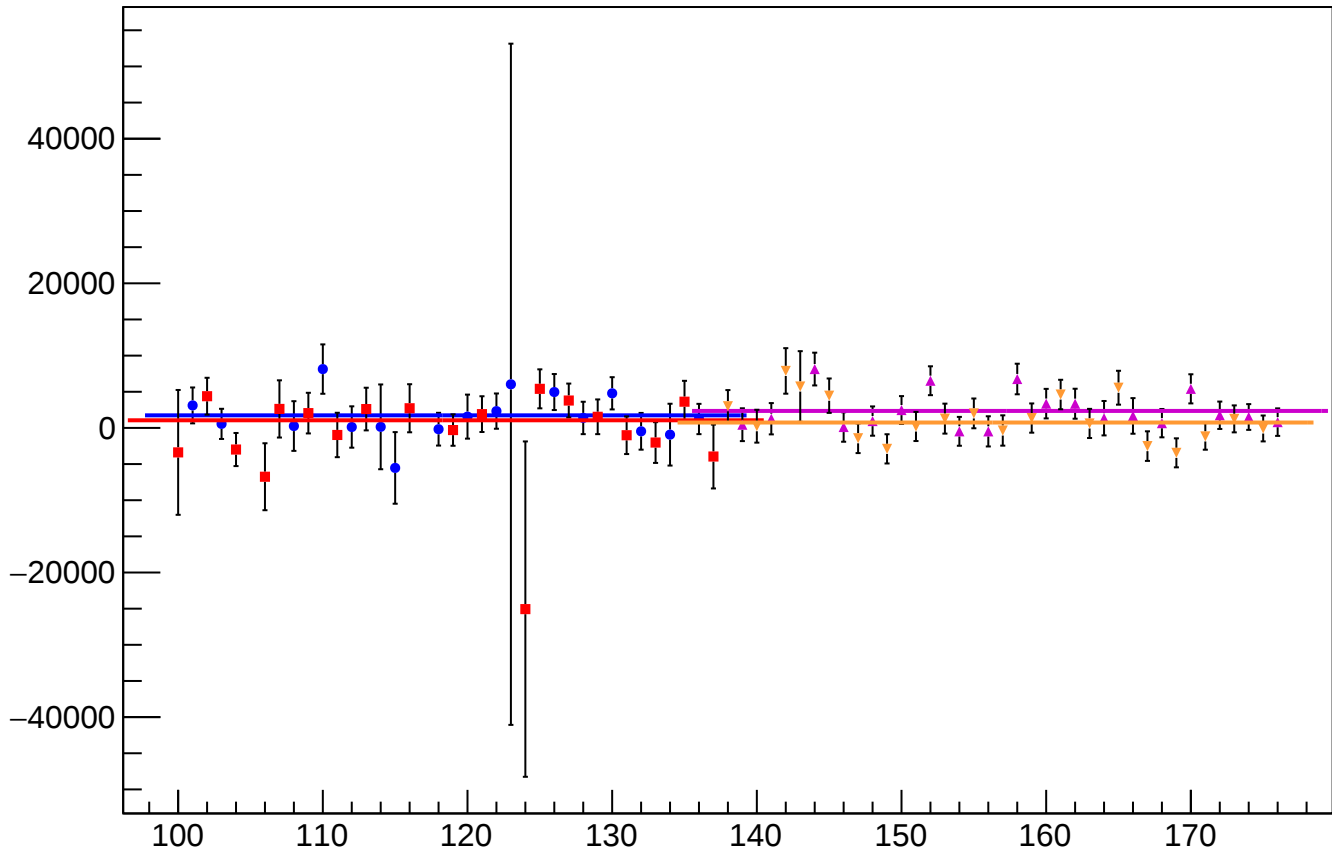
Right: 8263.573+/-1.641 χ^2/NDF : 1736141.9/35

In: 9126.275+/-1.427 χ^2/NDF : 1764415.9/35

Out: 8890.995+/-1.375 χ^2/NDF : 1823594.8/38

All: 9004.230+/-0.990 χ^2/NDF : 3602111.6/74

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 745.727+/-474.943 χ^2/NDF :31.1/19

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

Left In: 2349.404+/-471.359 χ^2/NDF :26.5/18

Left: 1553.640+/-334.561 χ^2/NDF : 63.3/38

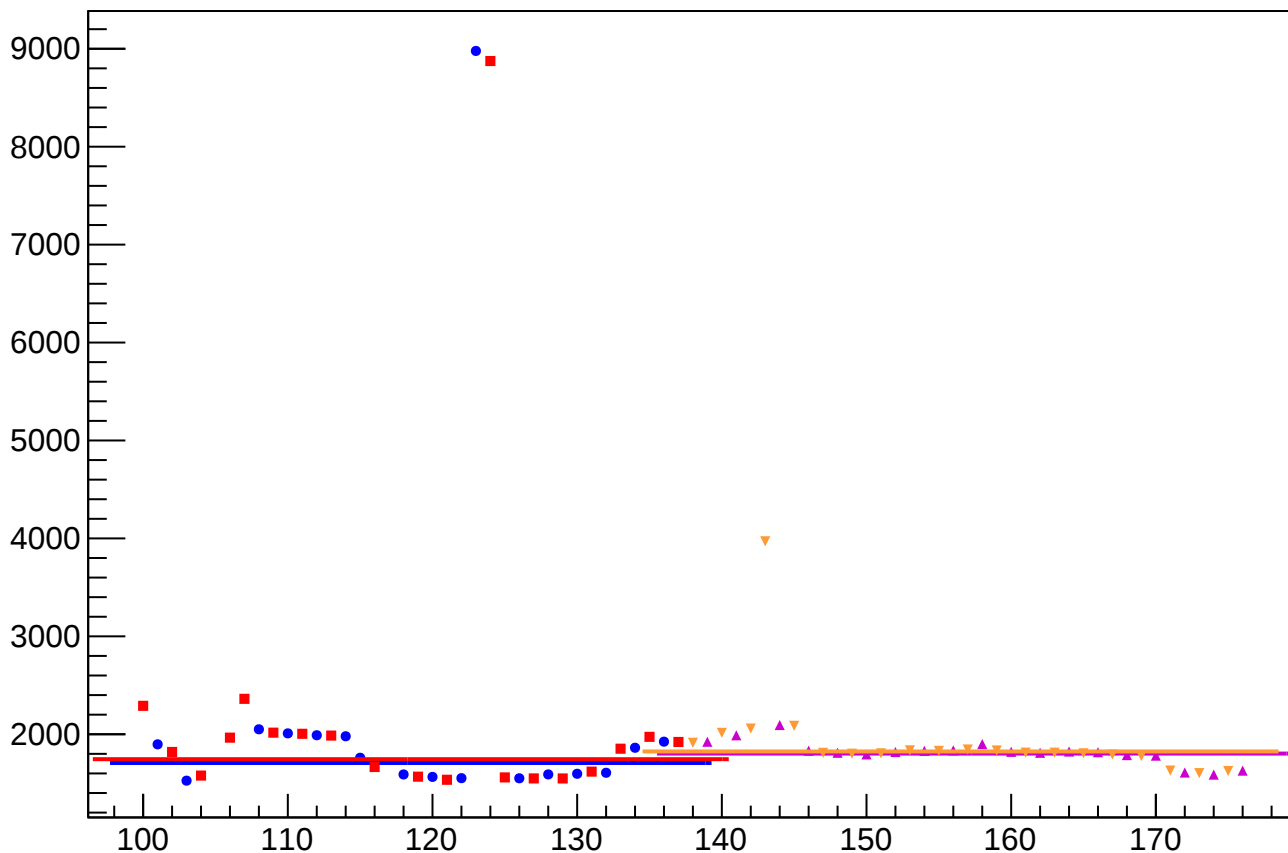
Right: 1397.913+/-474.249 χ^2/NDF : 31.8/35

In: 2147.684+/-385.589 χ^2/NDF :39.5/35

Out: 849.153+/-387.657 χ^2/NDF :50.1/38

All: 1501.893+/-273.381 χ^2/NDF : 95.2/74

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1824.344+/-0.336 χ^2/NDF : 516217.8/19

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

Left In: 1802.813+/-0.333 χ^2/NDF : 126888.2/18

Left: 1813.497+/-0.237 χ^2/NDF : 645176.8/38

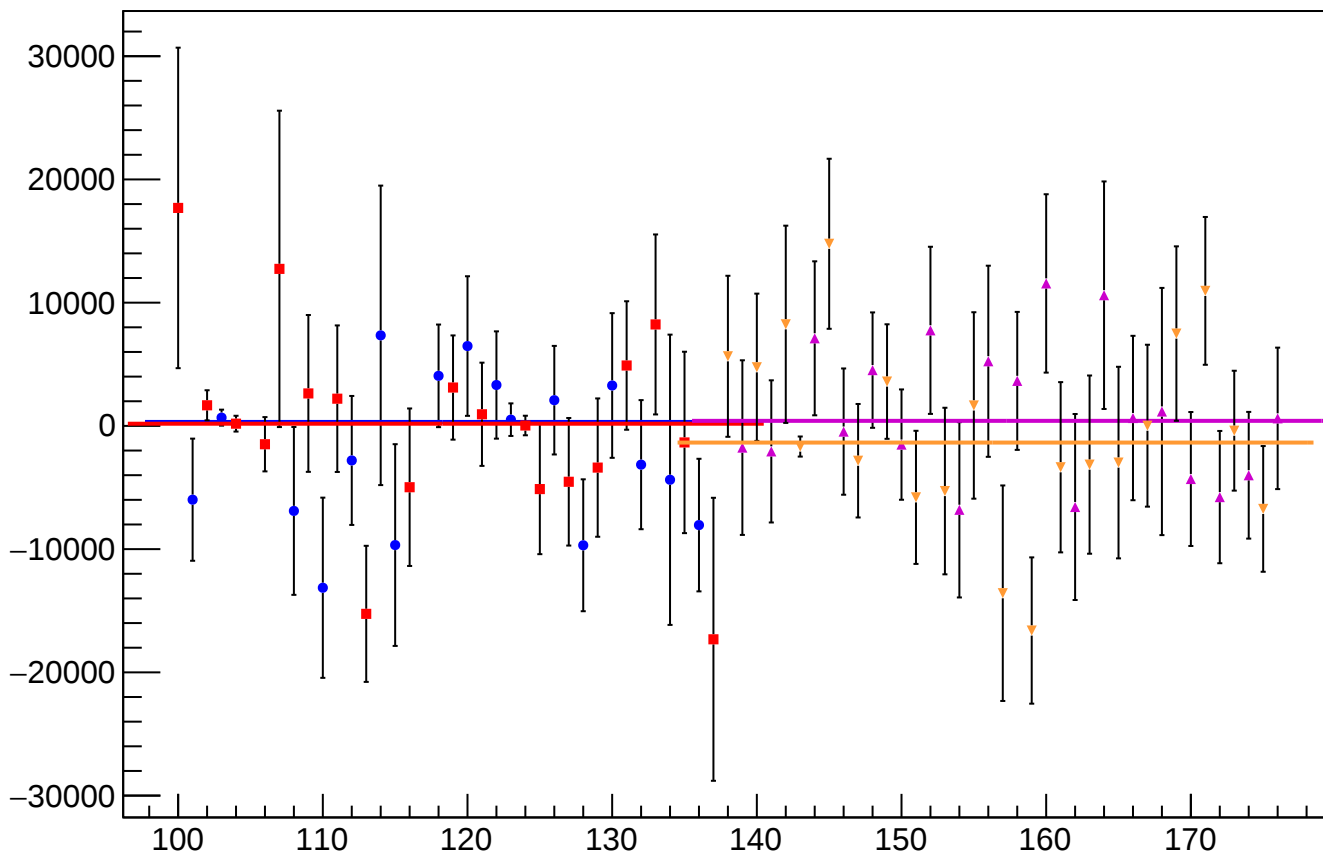
Right: 1726.220+/-0.335 χ^2/NDF : 600688.4/35

In: 1771.072+/-0.273 χ^2/NDF : 351856.9/35

Out: 1797.848+/-0.274 χ^2/NDF : 934567.8/38

All: 1784.409+/-0.193 χ^2/NDF : 1291228.1/74

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 320.899 $\pm$ 540.384 χ^2 /NDF: 18.0/16

Left Out: -1352.617 $\pm$ 705.079 χ^2 /NDF:27.4/19

Right Out: 176.640 $\pm$ 433.552 χ^2 /NDF: 20.8/18

Left In: 409.910 $\pm$ 1391.021 χ^2 /NDF:12.6/18

Left: -992.341 $\pm$ 628.902 χ^2 /NDF: 41.3/38

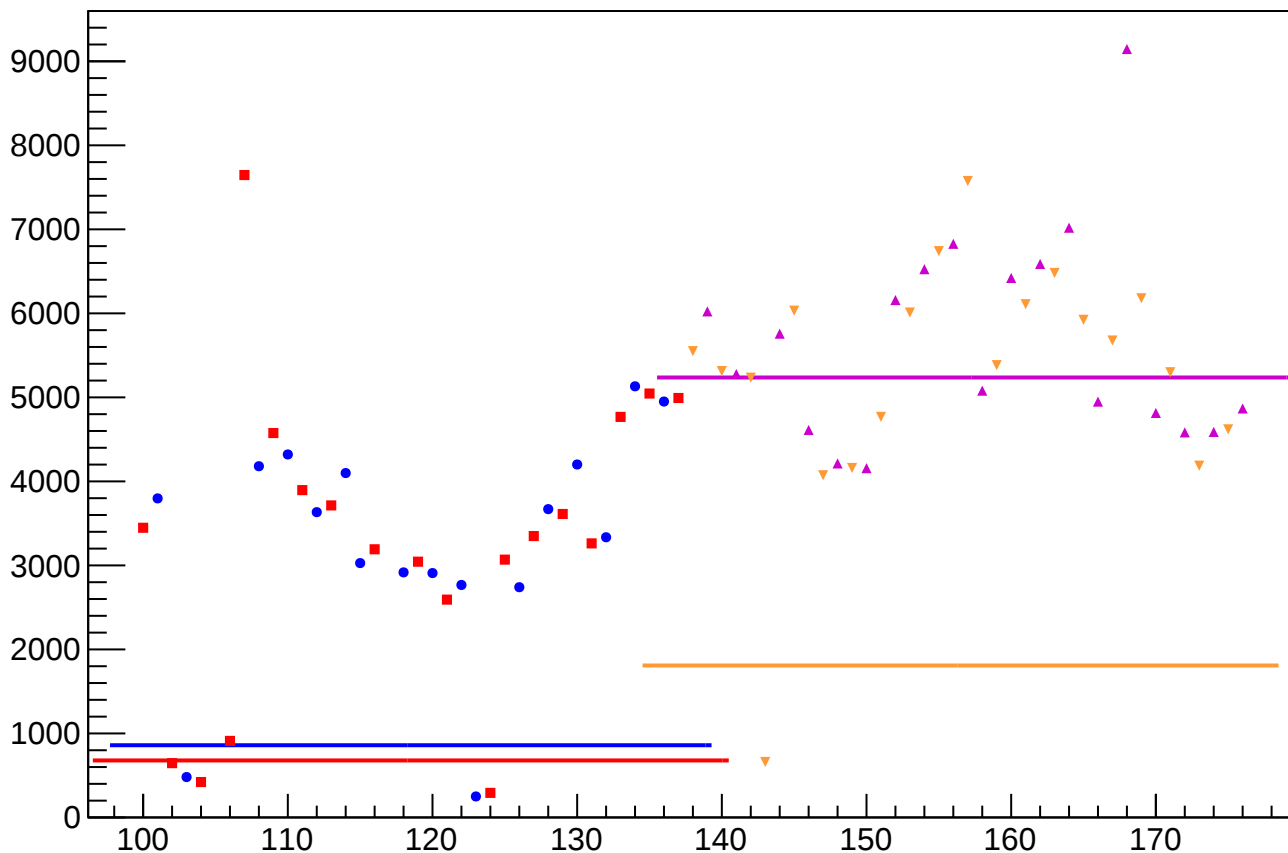
Right: 233.134 $\pm$ 338.167 χ^2 /NDF: 38.8/35

In: 332.571 $\pm$ 503.710 χ^2 /NDF:30.6/35

Out: -242.931 $\pm$ 369.318 χ^2 /NDF:51.6/38

All: -41.721 $\pm$ 297.839 χ^2 /NDF: 83.0/74

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1808.735+/-0.499 χ^2/NDF : 16636461.6/19

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

Left In: 5236.544+/-0.984 χ^2/NDF : 1050201.0/18

Left: 2509.408+/-0.445 χ^2/NDF : 27349086.7/38

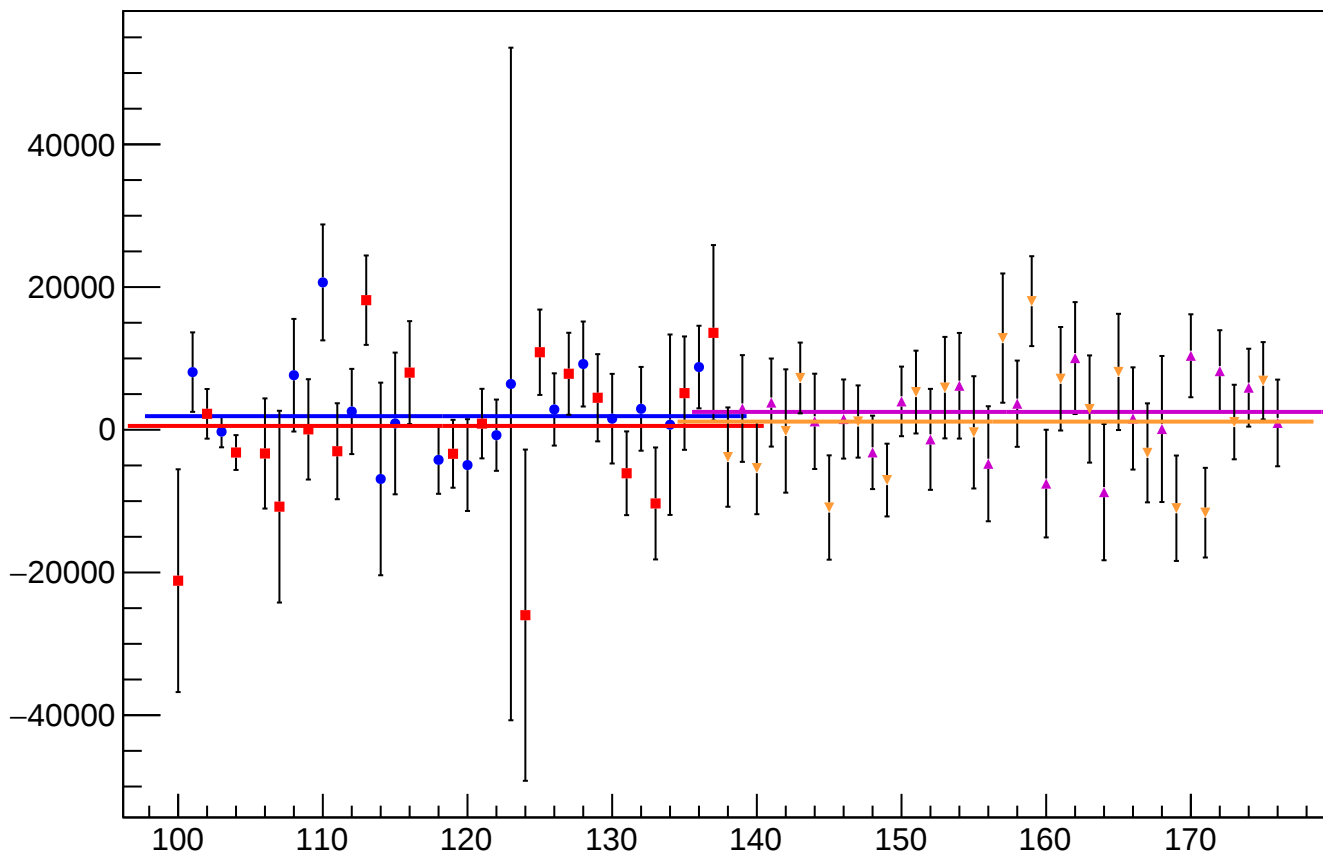
Right: 749.467+/-0.239 χ^2/NDF : 16664518.8/35

In: 1433.500+/-0.356 χ^2/NDF : 26399043.4/35

Out: 988.669+/-0.261 χ^2/NDF : 28749753.7/38

All: 1144.193+/-0.211 χ^2/NDF : 56163227.4/7

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1144.878+/-1436.134 χ^2/NDF : 28.0/19

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

Left In: 2503.369+/-1483.488 χ^2/NDF : 10.2/18

Left: 1802.096+/-1031.835 χ^2/NDF : 38.7/38

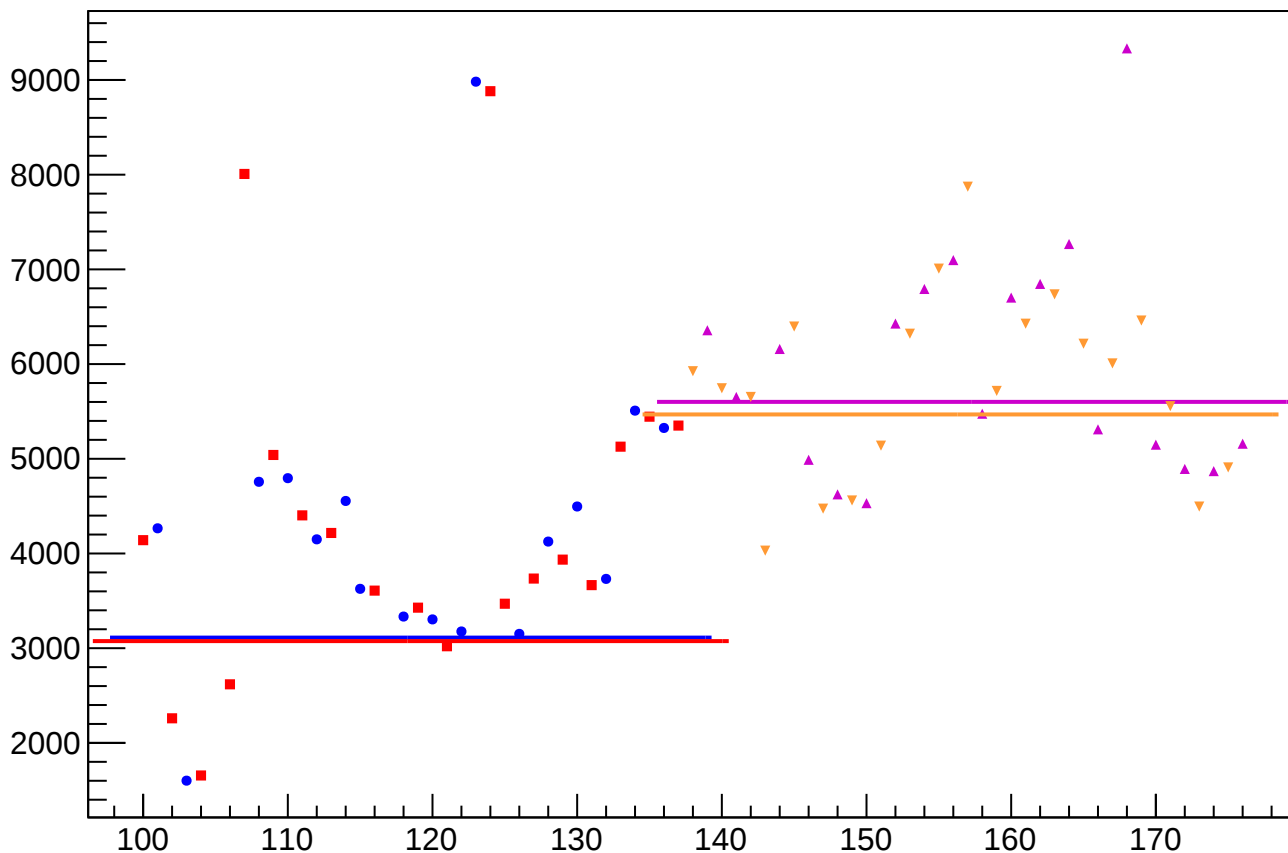
Right: 1211.574+/-917.716 χ^2/NDF : 41.6/35

In: 2169.658+/-982.038 χ^2/NDF : 24.9/35

Out: 808.886+/-957.961 χ^2/NDF : 54.5/38

All: 1472.386+/-685.735 χ^2/NDF : 80.4/74

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3111.825 $\pm$ 0.926 χ^2 /NDF: 1879558.6/16

Left Out: 5468.269 $\pm$ 1.016 χ^2 /NDF: 858113.4/19

Right Out: 3074.771 $\pm$ 0.896 χ^2 /NDF: 2005627.6/18

Left In: 5600.956 $\pm$ 1.049 χ^2 /NDF: 888487.6/18

Left: 5532.461 $\pm$ 0.730 χ^2 /NDF: 1754860.4/38

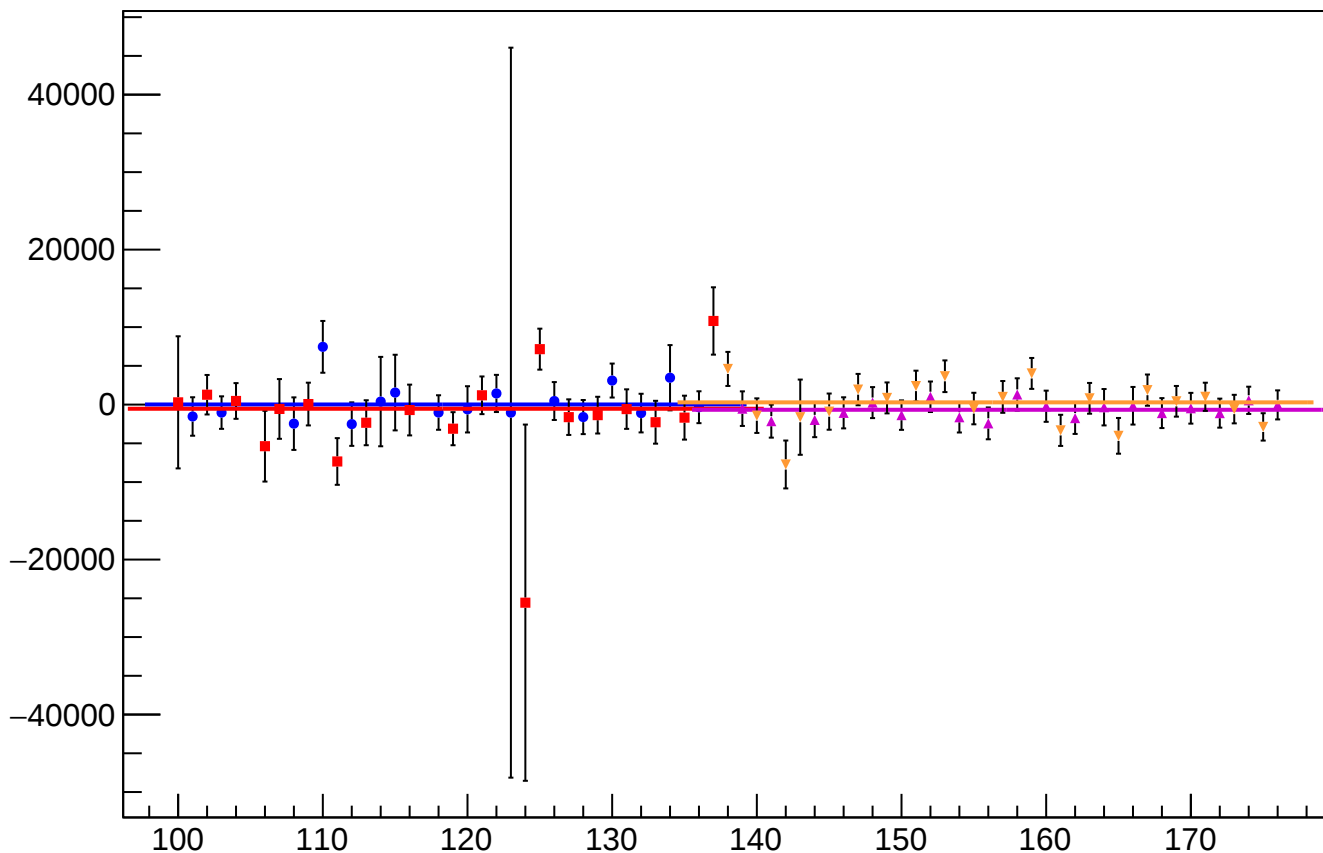
Right: 3092.680 $\pm$ 0.644 χ^2 /NDF: 3886012.7/35

In: 4202.597 $\pm$ 0.694 χ^2 /NDF: 5931259.1/35

Out: 4122.542 $\pm$ 0.672 χ^2 /NDF: 5987156.7/38

All: 4161.251 $\pm$ 0.483 χ^2 /NDF: 11925280.0/74

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 14.118+/-661.101 χ^2 /NDF: 11.1/16

Left Out: 288.142+/-468.078 χ^2 /NDF:31.0/19

Right Out: -537.476+/-661.143 χ^2 /NDF: 26.7/18

Left In: -669.711+/-464.643 χ^2 /NDF:4.9/18

Left: -194.312+/-329.760 χ^2 /NDF: 38.0/38

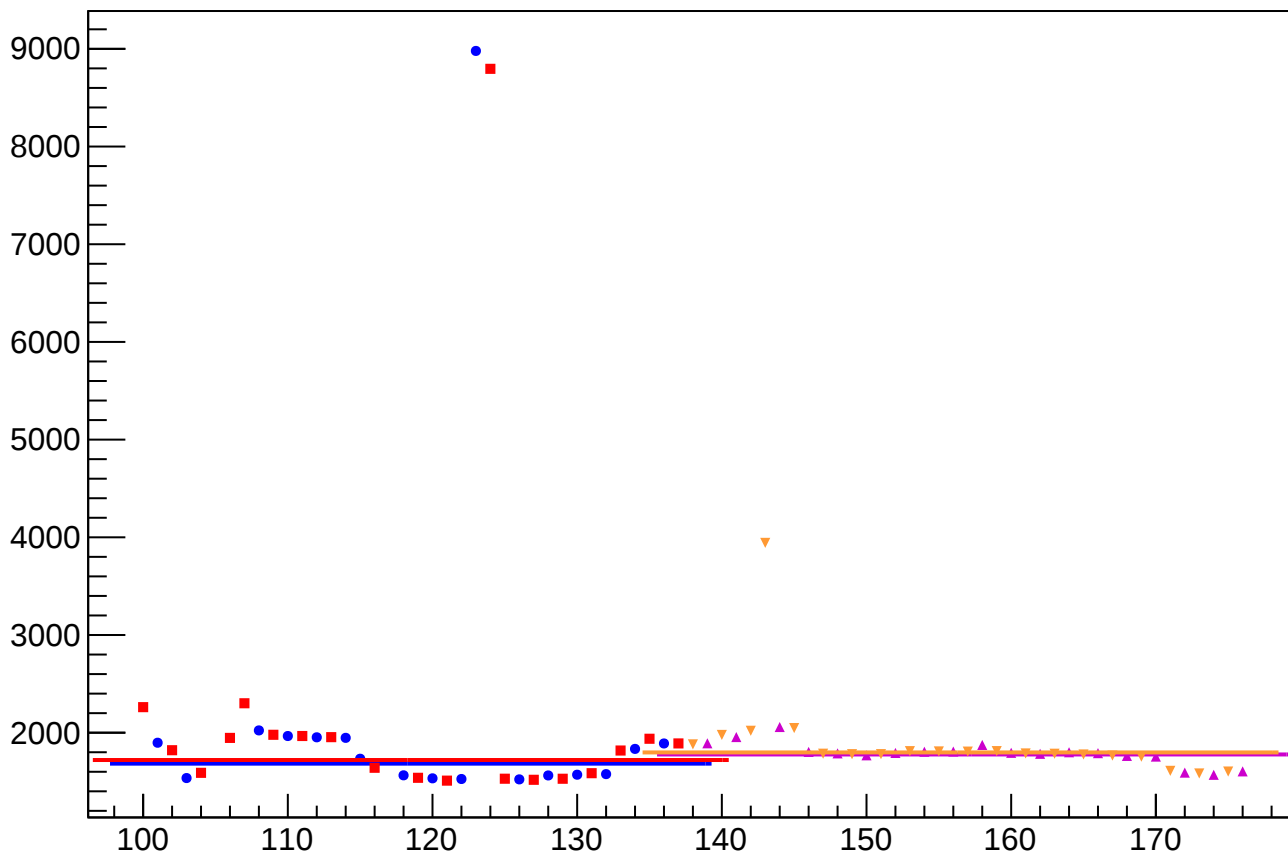
Right: -261.662+/-467.484 χ^2 /NDF: 38.1/35

In: -443.608+/-380.144 χ^2 /NDF:16.7/35

Out: 12.481+/-382.026 χ^2 /NDF:58.7/38

All: -216.690+/-269.465 χ^2 /NDF: 76.1/74

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1683.259+/-0.467 χ^2/NDF : 195893.7/16

Left Out: 1798.007+/-0.331 χ^2/NDF : 515143.8/19

Right Out: 1720.379+/-0.465 χ^2/NDF : 396099.9/18

Left In: 1777.205+/-0.329 χ^2/NDF : 122394.4/18

Left: 1787.529+/-0.233 χ^2/NDF : 639527.8/38

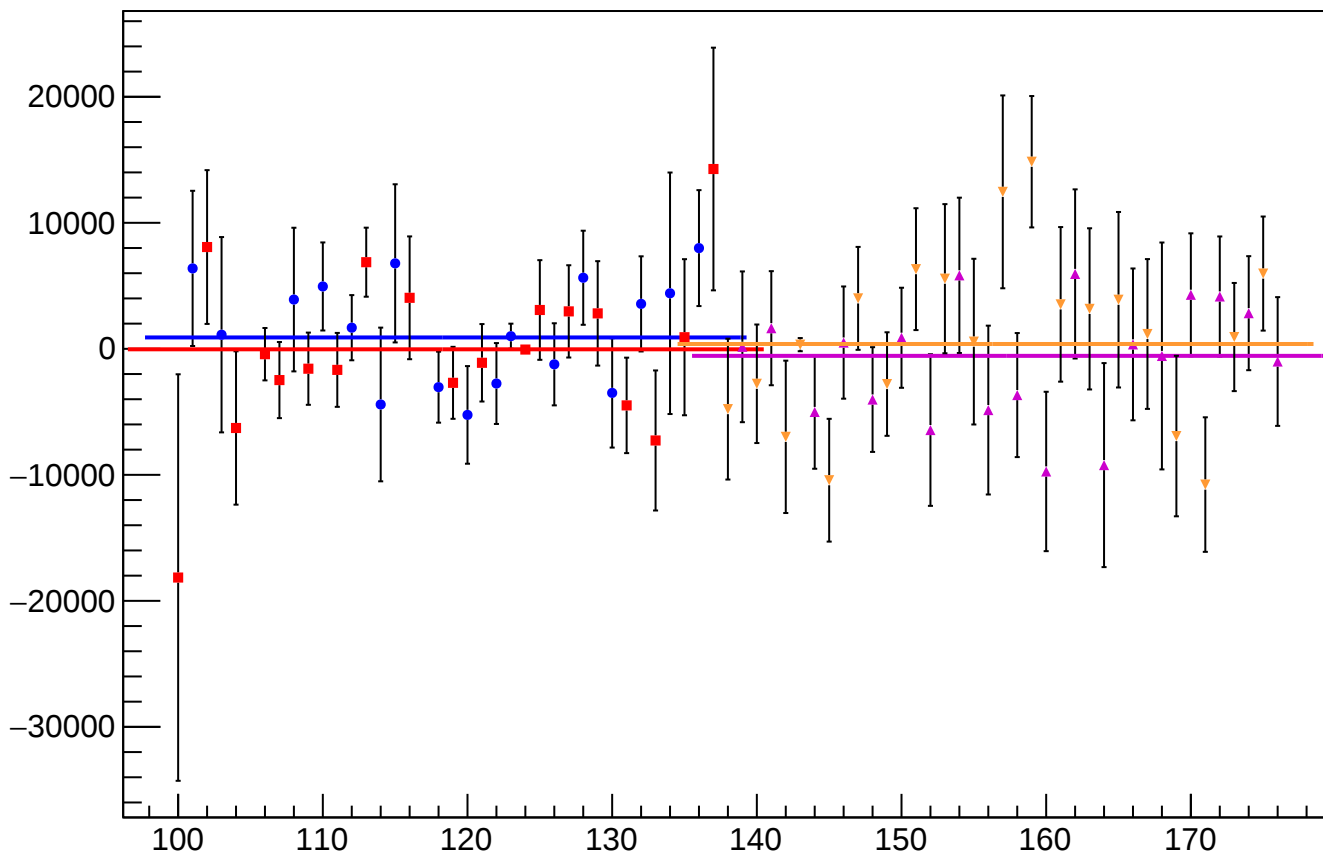
Right: 1701.898+/-0.330 χ^2/NDF : 595159.7/35

In: 1746.142+/-0.269 χ^2/NDF : 345321.9/35

Out: 1771.939+/-0.270 χ^2/NDF : 929716.5/38

All: 1758.995+/-0.190 χ^2/NDF : 1279627.3/74

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 903.344 $\pm$ 705.564 χ^2/NDF : 16.0/16

Left Out: 383.544 $\pm$ 479.998 χ^2/NDF : 29.5/19

Right Out: -38.143 $\pm$ 357.176 χ^2/NDF : 20.5/18

Left In: -557.455 $\pm$ 1203.066 χ^2/NDF : 11.7/18

Left: 254.322 $\pm$ 445.824 χ^2/NDF : 41.7/38

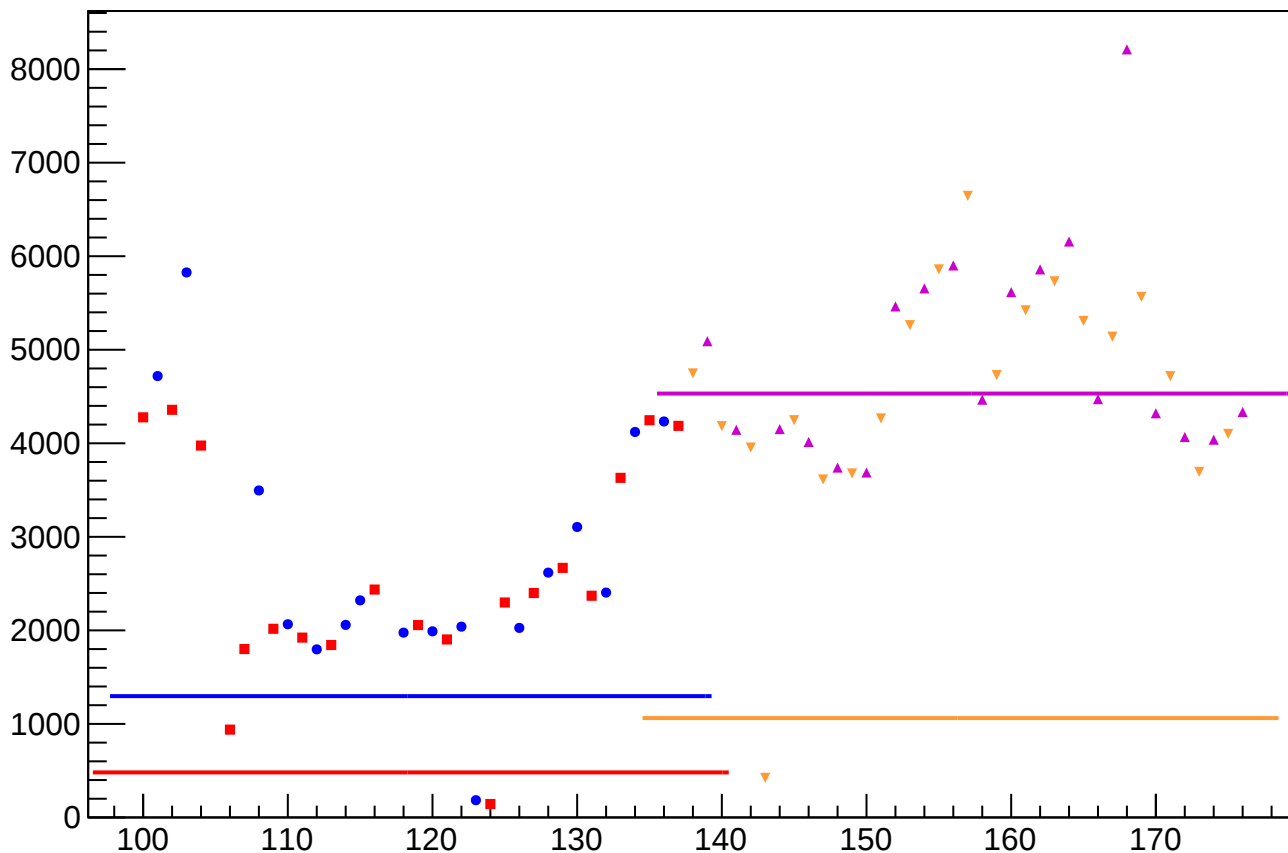
Right: 153.912 $\pm$ 318.670 χ^2/NDF : 37.9/35

In: 529.490 $\pm$ 608.618 χ^2/NDF : 28.8/35

Out: 112.139 $\pm$ 286.548 χ^2/NDF : 50.5/38

All: 187.866 $\pm$ 259.251 χ^2/NDF : 79.7/74

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1297.005+/-0.499 χ^2/NDF : 6509608.5/16

Left Out: 1062.357+/-0.339 χ^2/NDF : 20003012.1/19

Right Out: 481.577+/-0.253 χ^2/NDF : 10144170.1/18

Left In: 4531.620+/-0.851 χ^2/NDF : 1036056.0/18

Left: 1538.771+/-0.315 χ^2/NDF : 35386468.4/38

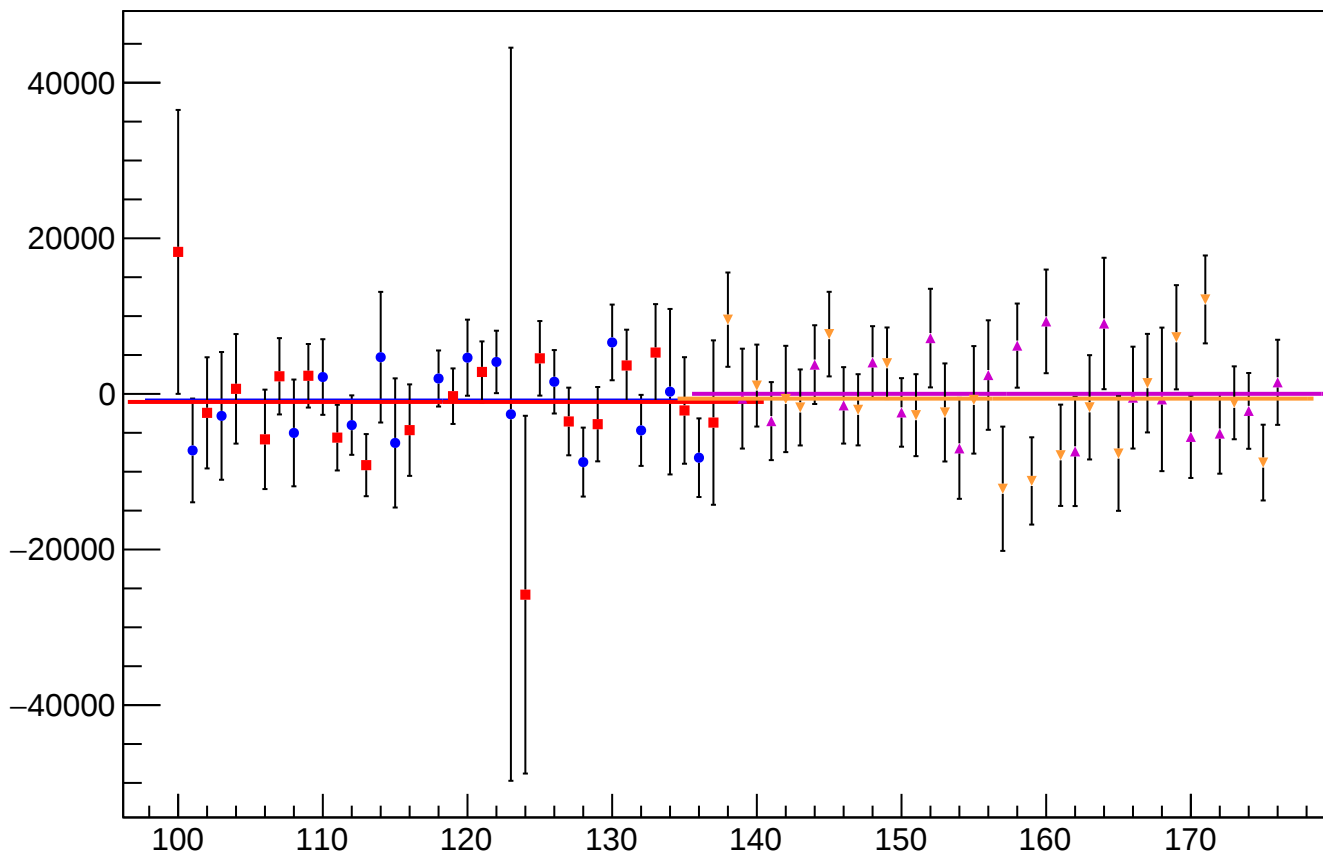
Right: 647.917+/-0.225 χ^2/NDF : 18780181.6/35

In: 2124.821+/-0.430 χ^2/NDF : 18303223.7/35

Out: 688.556+/-0.203 χ^2/NDF : 32031711.9/38

All: 949.163+/-0.183 χ^2/NDF : 59452005.8/74

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -849.372+/-1261.026 χ^2/NDF : 15.4/16

Left Out: -606.482+/-1274.448 χ^2/NDF : 23.9/19

Right Out: -1033.205+/-1190.714 χ^2/NDF : 15.0/18

Left In: 11.617+/-1306.157 χ^2/NDF : 12.6/18

Left: -305.026+/-912.175 χ^2/NDF : 36.7/38

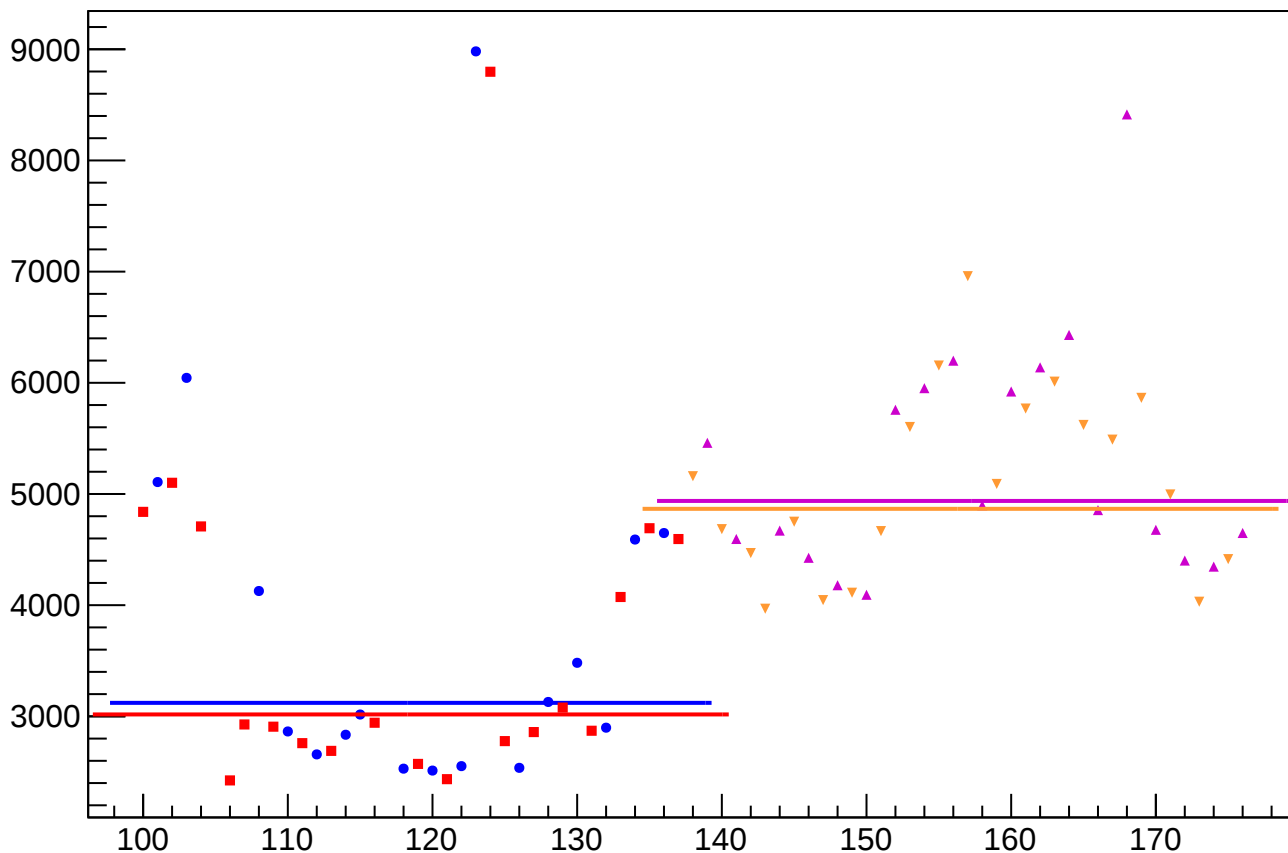
Right: -946.556+/-865.752 χ^2/NDF : 30.4/35

In: -434.009+/-907.215 χ^2/NDF : 28.3/35

Out: -834.321+/-870.059 χ^2/NDF : 39.0/38

All: -642.530+/-627.949 χ^2/NDF : 67.4/74

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4866.481+/-0.901 χ^2/NDF : 704192.0/19

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

Left In: 4937.469+/-0.924 χ^2/NDF : 833429.2/18

Left: 4901.103+/-0.645 χ^2/NDF : 1540647.6/38

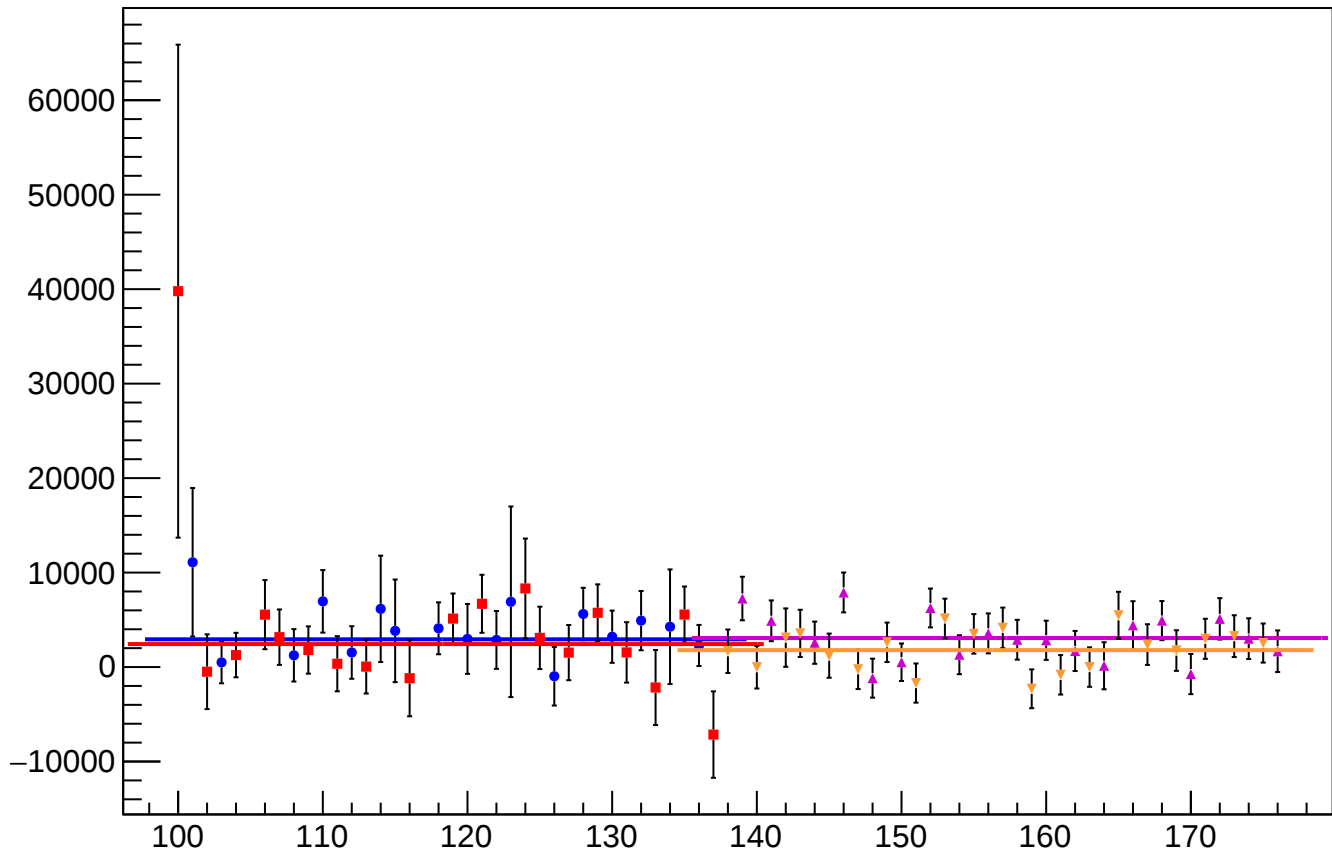
Right: 3065.680+/-0.608 χ^2/NDF : 1745010.6/35

In: 3997.522+/-0.641 χ^2/NDF : 3780247.5/35

Out: 3867.590+/-0.611 χ^2/NDF : 3770779.8/38

All: 3929.405+/-0.442 χ^2/NDF : 7572534.5/74

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1793.782+/-491.147 χ^2/NDF :19.2/19

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

Left In: 3073.569+/-494.448 χ^2/NDF :25.8/18

Left: 2429.389+/-348.454 χ^2/NDF : 48.3/38

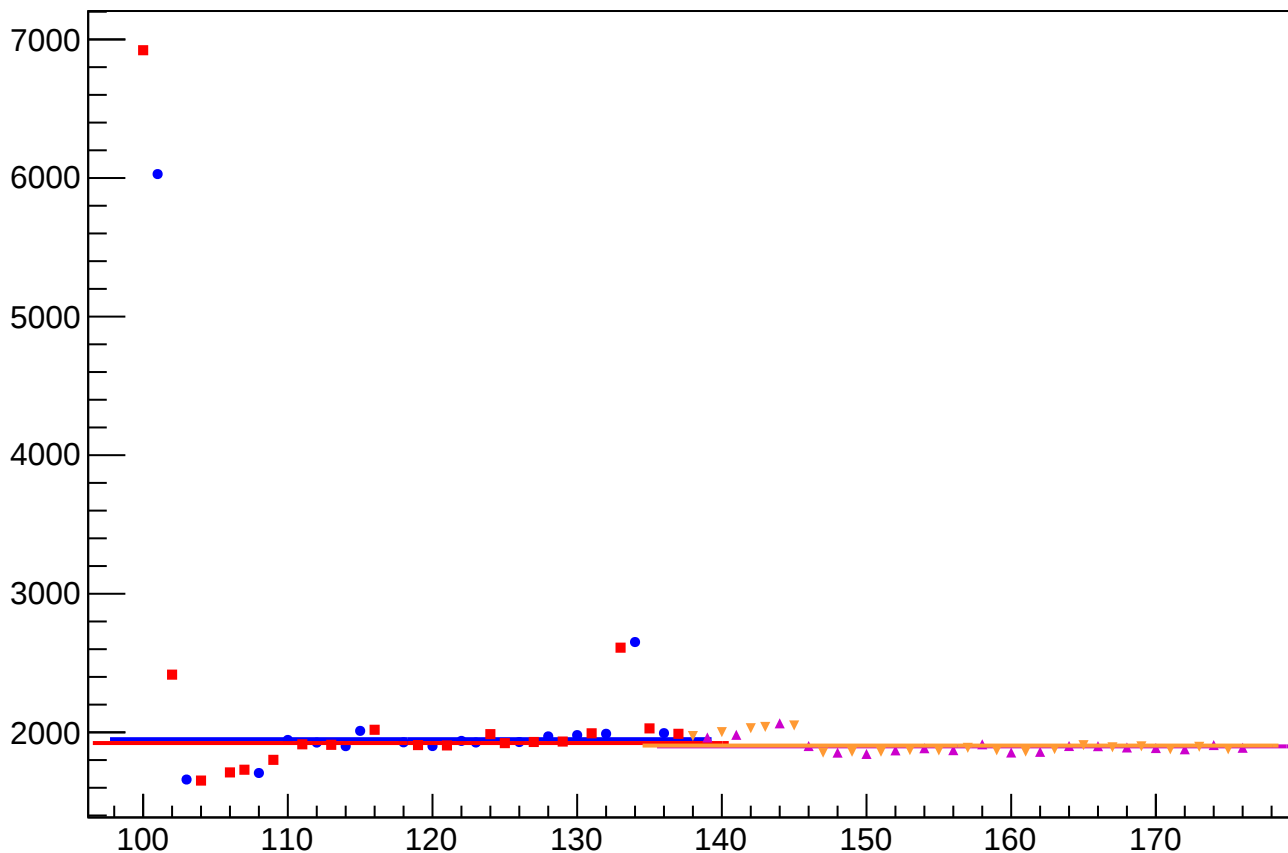
Right: 2672.699+/-535.482 χ^2/NDF : 26.5/35

In: 3033.748+/-416.895 χ^2/NDF :33.9/35

Out: 1989.029+/-409.286 χ^2/NDF :37.9/38

All: 2501.769+/-292.062 χ^2/NDF : 75.0/74

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.615+/-0.548 χ^2/NDF : 617332.2/16

Left Out: 1904.523+/-0.347 χ^2/NDF : 28980.5/19

Right Out: 1922.752+/-0.522 χ^2/NDF : 217400.0/18

Left In: 1898.695+/-0.350 χ^2/NDF : 20944.0/18

Left: 1901.629+/-0.246 χ^2/NDF : 50064.4/38

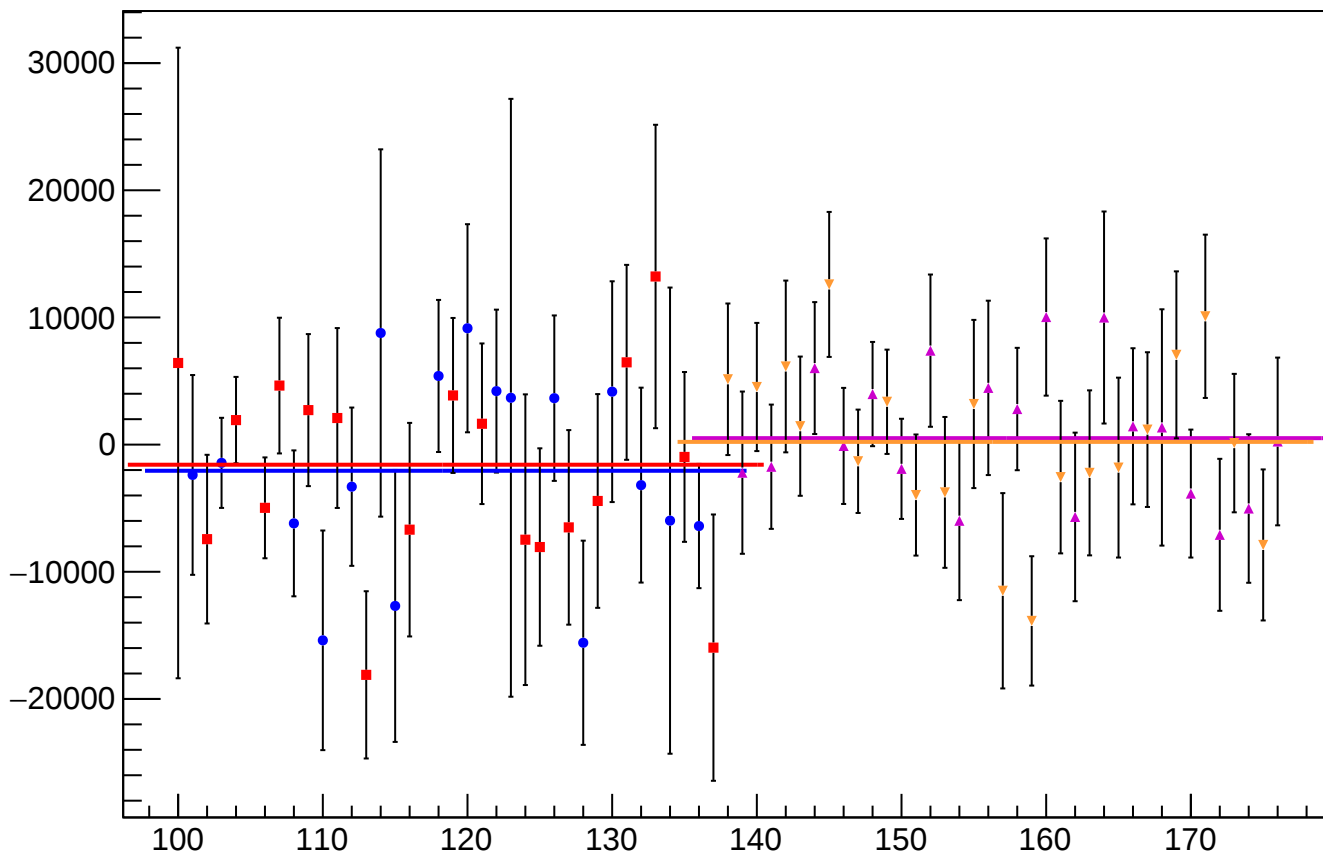
Right: 1936.009+/-0.378 χ^2/NDF : 836086.0/35

In: 1913.705+/-0.295 χ^2/NDF : 644651.4/35

Out: 1910.111+/-0.289 χ^2/NDF : 247225.0/38

All: 1911.874+/-0.206 χ^2/NDF : 891952.2/74

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -2056.876 $\pm$ 1661.079 χ^2 /NDF: 14.0/16

Left Out: 214.792 $\pm$ 1257.169 χ^2 /NDF:24.9/19

Right Out: -1580.717 $\pm$ 1477.405 χ^2 /NDF: 18.6/18

Left In: 507.502 $\pm$ 1275.287 χ^2 /NDF:13.4/18

Left: 359.053 $\pm$ 895.290 χ^2 /NDF: 38.3/38

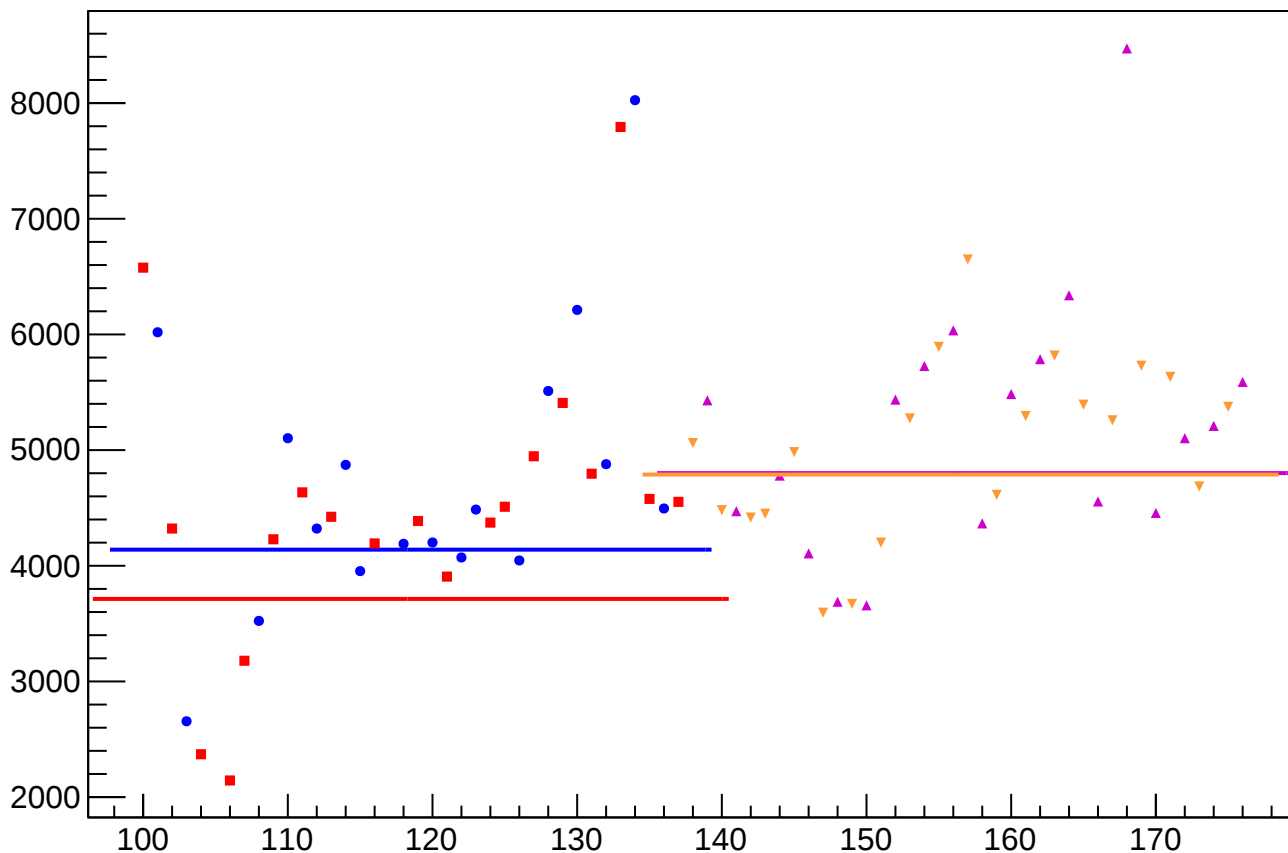
Right: -1791.026 $\pm$ 1103.932 χ^2 /NDF: 32.6/35

In: -443.486 $\pm$ 1011.548 χ^2 /NDF:28.9/35

Out: -539.288 $\pm$ 957.447 χ^2 /NDF:44.3/38

All: -494.017 $\pm$ 695.357 χ^2 /NDF: 73.2/74

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4788.558+/-0.889 χ^2/NDF : 755059.4/19

Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

Left In: 4801.174+/-0.902 χ^2/NDF : 1043139.6/18

Left: 4794.776+/-0.633 χ^2/NDF : 1798298.3/38

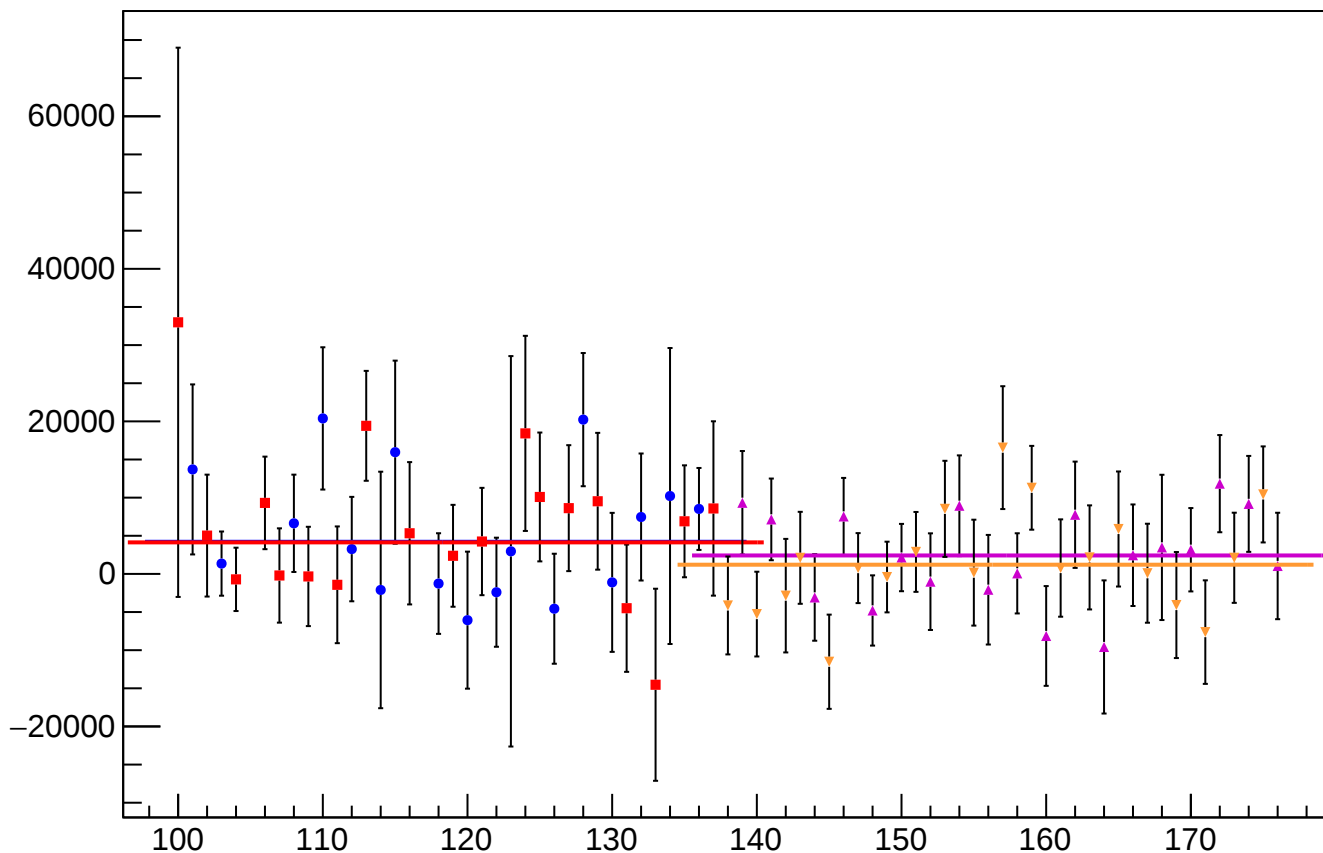
Right: 3901.622+/-0.781 χ^2/NDF : 2162777.5/35

In: 4555.756+/-0.715 χ^2/NDF : 2056416.0/35

Out: 4337.065+/-0.677 χ^2/NDF : 2645096.7/38

All: 4440.406+/-0.492 χ^2/NDF : 4750819.3/74

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1206.419+/-1364.561 χ^2/NDF : 20.1/19

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

Left In: 2419.599+/-1382.246 χ^2/NDF : 16.6/18

Left: 1805.198+/-971.082 χ^2/NDF : 37.1/38

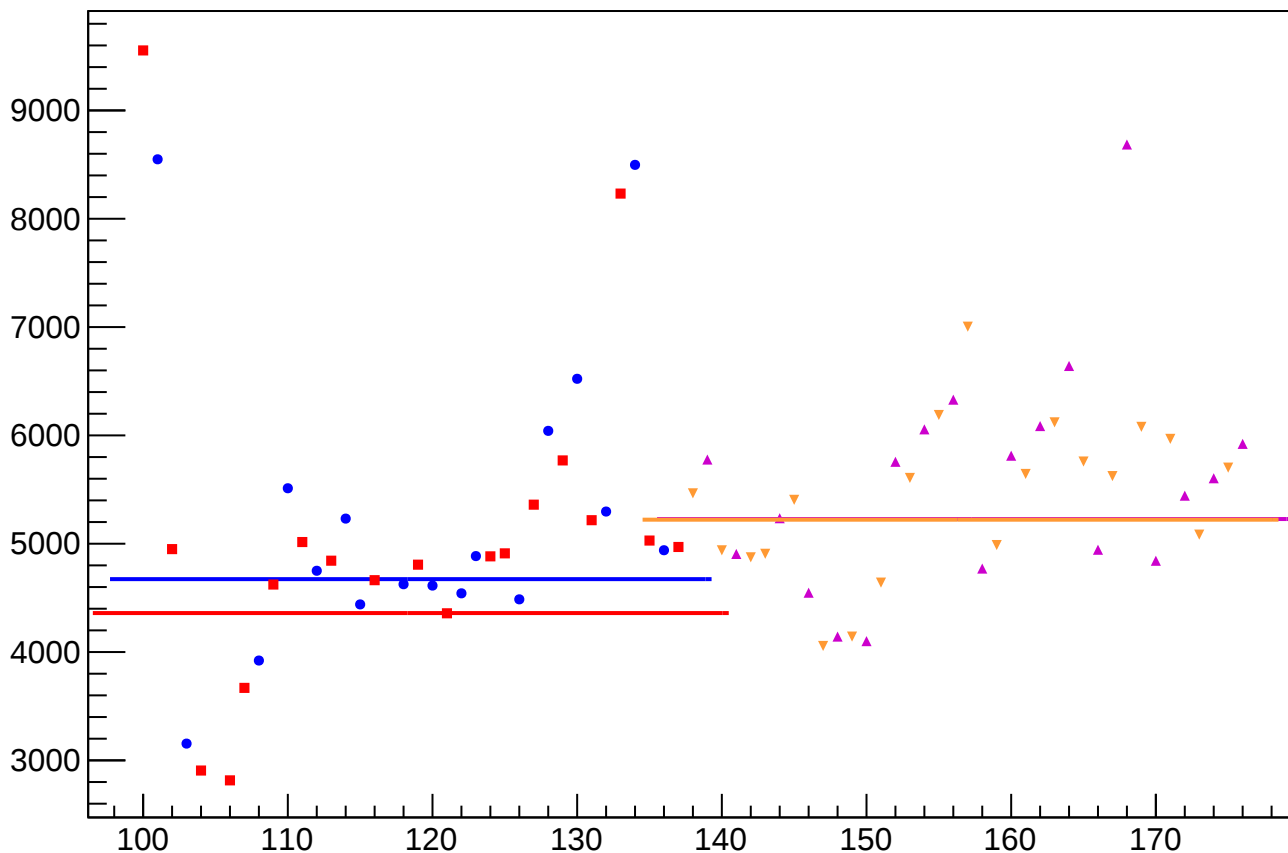
Right: 4169.584+/-1268.468 χ^2/NDF : 29.2/35

In: 3052.272+/-1111.822 χ^2/NDF : 31.6/35

Out: 2332.848+/-1070.281 χ^2/NDF : 36.7/38

All: 2678.869+/-771.071 χ^2/NDF : 68.5/74

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4673.046 $\pm$ 1.323 χ^2/NDF : 777321.1/16

Left Out: 5221.993 $\pm$ 0.965 χ^2/NDF :558196.7/19

Right Out: 4359.833 $\pm$ 1.213 χ^2/NDF : 832191.0/18

Left In: 5227.876 $\pm$ 0.977 χ^2/NDF :810898.5/18

Left: 5224.897 $\pm$ 0.687 χ^2/NDF : 1369113.6/38

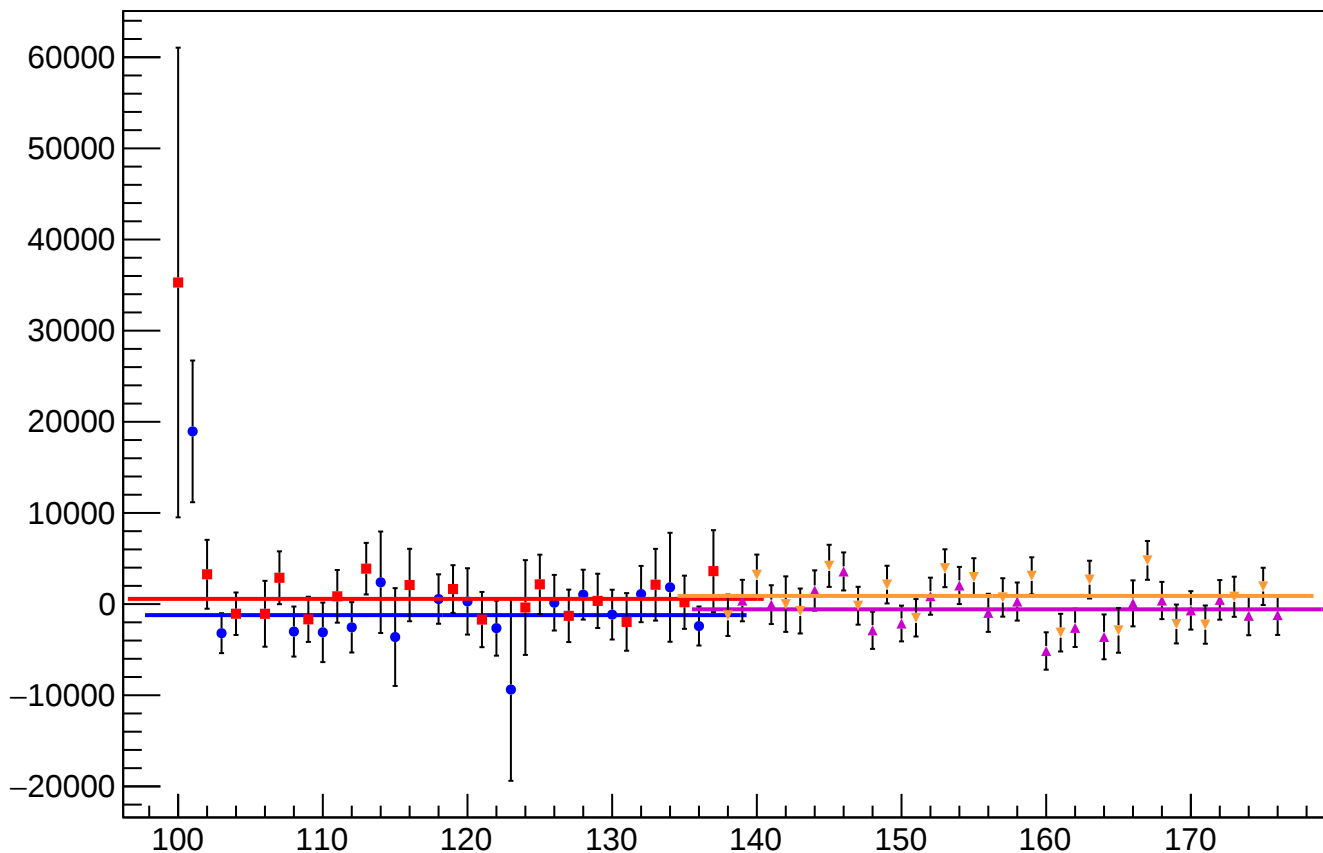
Right: 4502.849 $\pm$ 0.894 χ^2/NDF : 1639958.3/35

In: 5032.017 $\pm$ 0.786 χ^2/NDF :1701972.4/35

Out: 4887.859 $\pm$ 0.755 χ^2/NDF :1699811.3/38

All: 4957.034 $\pm$ 0.545 χ^2/NDF : 3419272.8/74

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1211.176 ± 765.294 $\chi^2/\text{NDF}: 12.7/16$

Left Out: 898.584 ± 485.668 $\chi^2/\text{NDF}: 25.7/19$

Right Out: 573.457 ± 730.668 $\chi^2/\text{NDF}: 8.7/18$

Left In: -573.564 ± 489.014 $\chi^2/\text{NDF}: 17.5/18$

Left: 167.564 ± 344.596 $\chi^2/\text{NDF}: 47.8/38$

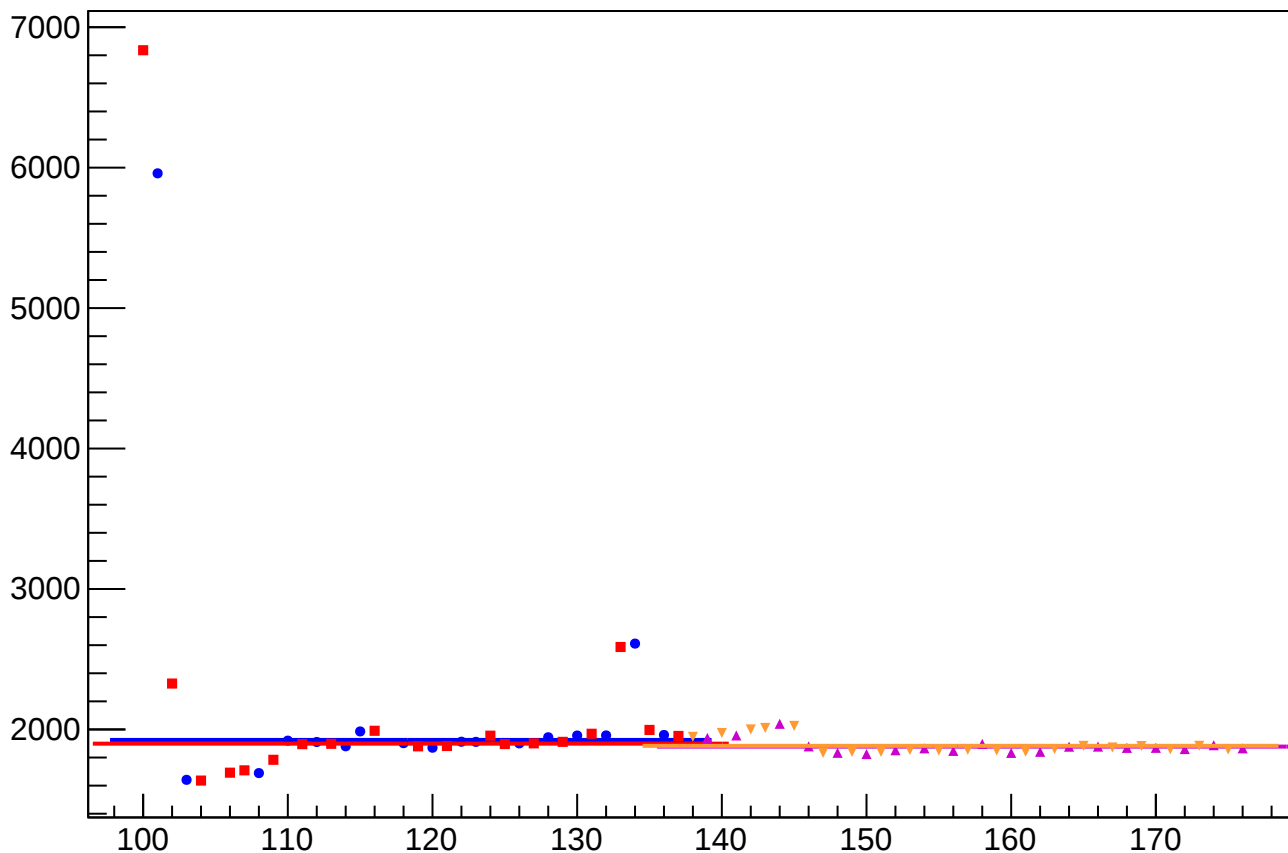
Right: -277.573 ± 528.478 $\chi^2/\text{NDF}: 24.2/35$

In: -758.425 ± 412.072 $\chi^2/\text{NDF}: 30.6/35$

Out: 798.956 ± 404.469 $\chi^2/\text{NDF}: 34.6/38$

All: 34.766 ± 288.653 $\chi^2/\text{NDF}: 72.5/74$

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1883.355+/-0.343 χ^2/NDF : 27271.5/19

Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

Left In: 1877.842+/-0.346 χ^2/NDF : 20330.5/18

Left: 1880.617+/-0.244 χ^2/NDF : 47730.0/38

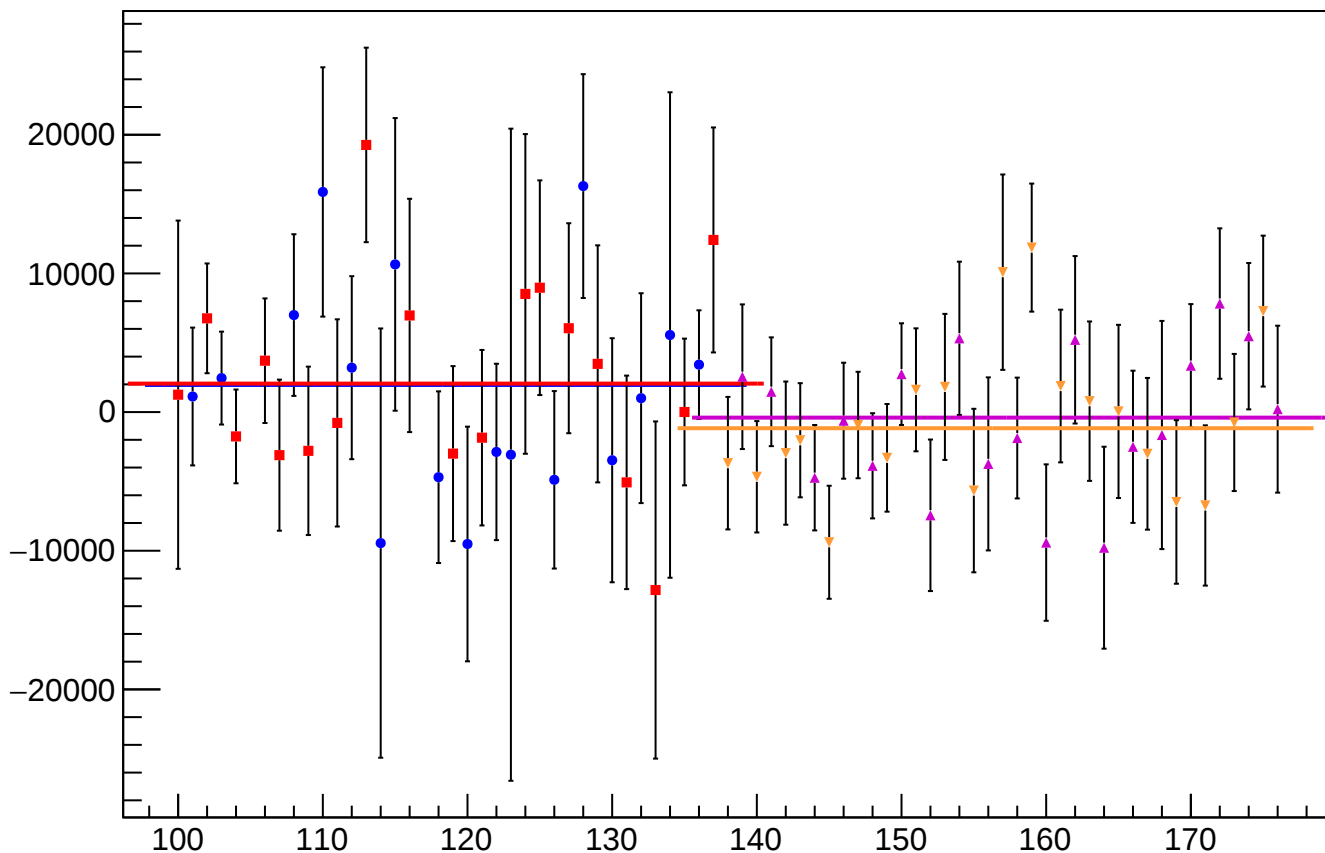
Right: 1911.445+/-0.373 χ^2/NDF : 827992.7/35

In: 1891.607+/-0.291 χ^2/NDF : 641660.1/35

Out: 1888.119+/-0.286 χ^2/NDF : 238772.7/38

All: 1889.830+/-0.204 χ^2/NDF : 880505.8/74

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1959.060+/-1556.840 χ^2/NDF : 12.9/16

Left Out: -1162.862+/-1094.282 χ^2/NDF : 22.1/19

Right Out: 2052.842+/-1413.641 χ^2/NDF : 17.4/18

Left In: -400.380+/-1124.728 χ^2/NDF : 16.1/18

Left: -792.081+/-784.317 χ^2/NDF : 38.4/38

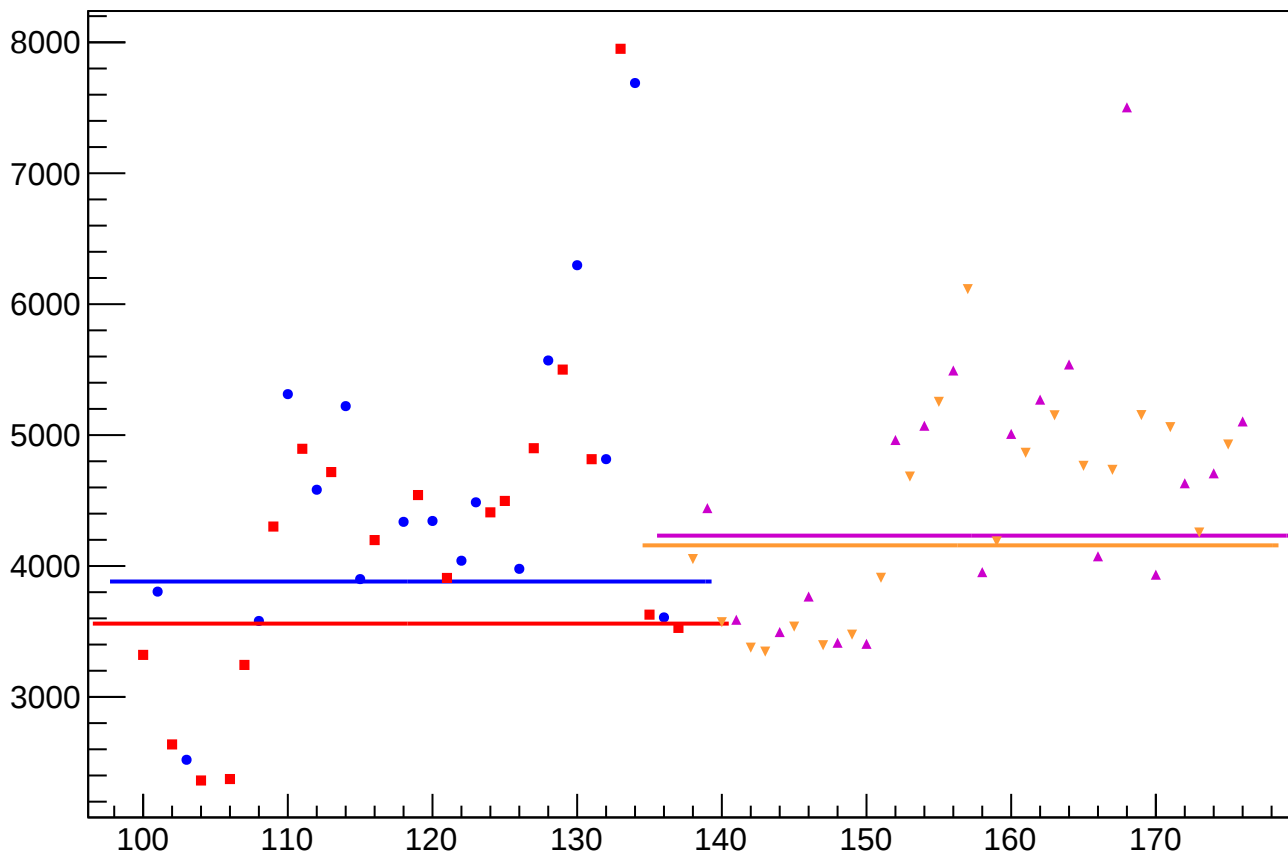
Right: 2010.461+/-1046.568 χ^2/NDF : 30.4/35

In: 408.759+/-911.698 χ^2/NDF : 30.5/35

Out: 42.035+/-865.319 χ^2/NDF : 42.8/38

All: 215.832+/-627.629 χ^2/NDF : 73.4/74

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.577+/-1.101 χ^2/NDF : 817466.6/16

Left Out: 4157.746+/-0.774 χ^2/NDF : 884494.7/19

Right Out: 3560.054+/-1.000 χ^2/NDF : 1241523.0/18

Left In: 4232.062+/-0.795 χ^2/NDF : 1080756.6/18

Left: 4193.885+/-0.555 χ^2/NDF : 1969736.9/38

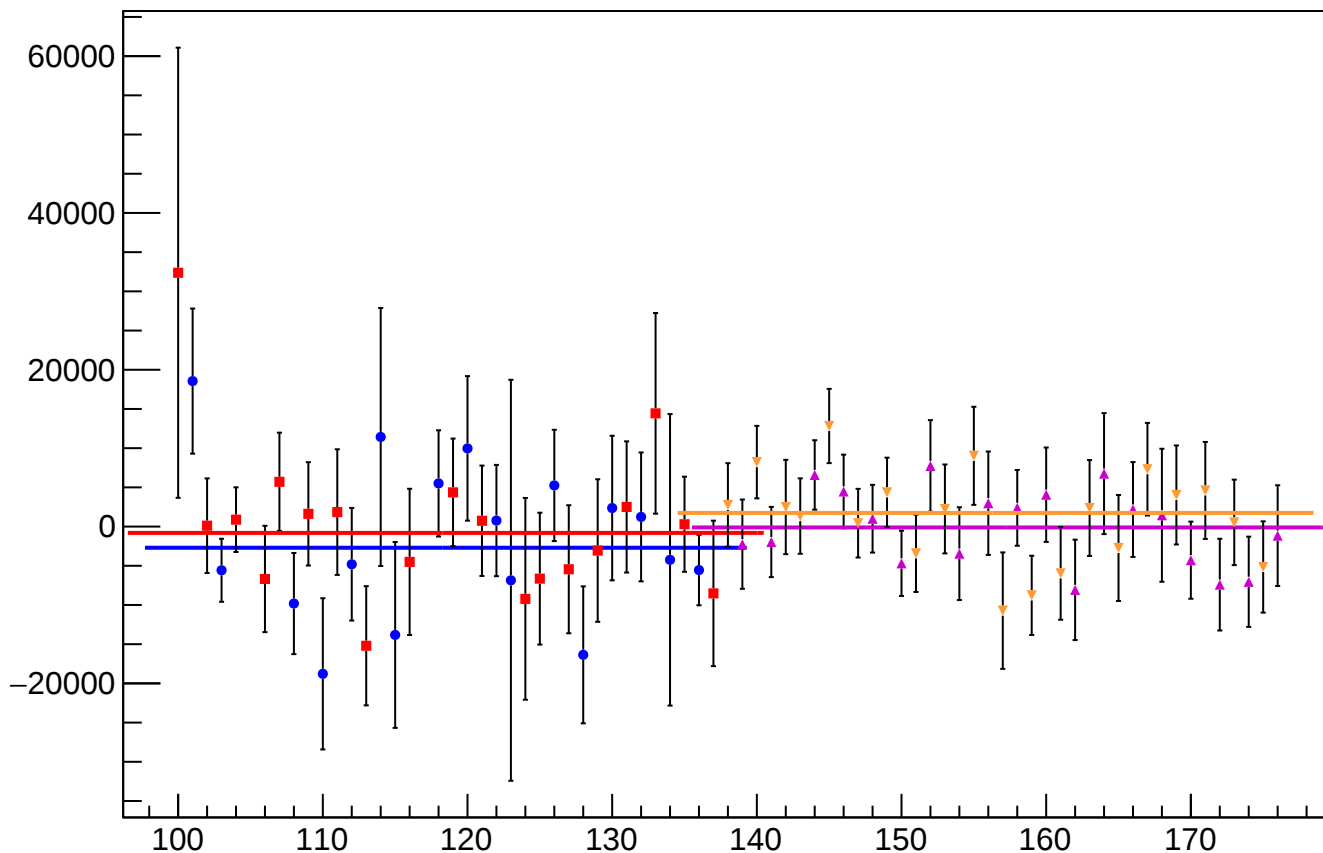
Right: 3705.352+/-0.740 χ^2/NDF : 2105744.2/35

In: 4111.868+/-0.645 χ^2/NDF : 1964825.1/35

Out: 3933.796+/-0.612 χ^2/NDF : 2349581.6/38

All: 4018.187+/-0.444 χ^2/NDF : 4354546.4/74

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2700.702 $\pm$ 1809.055 χ^2 /NDF: 19.8/16

Left Out: 1743.888 $\pm$ 1216.238 χ^2 /NDF: 22.4/19

Right Out: -805.951 $\pm$ 1690.353 χ^2 /NDF: 11.6/18

Left In: -111.389 $\pm$ 1243.201 χ^2 /NDF: 14.2/18

Left: 836.587 $\pm$ 869.386 χ^2 /NDF: 37.7/38

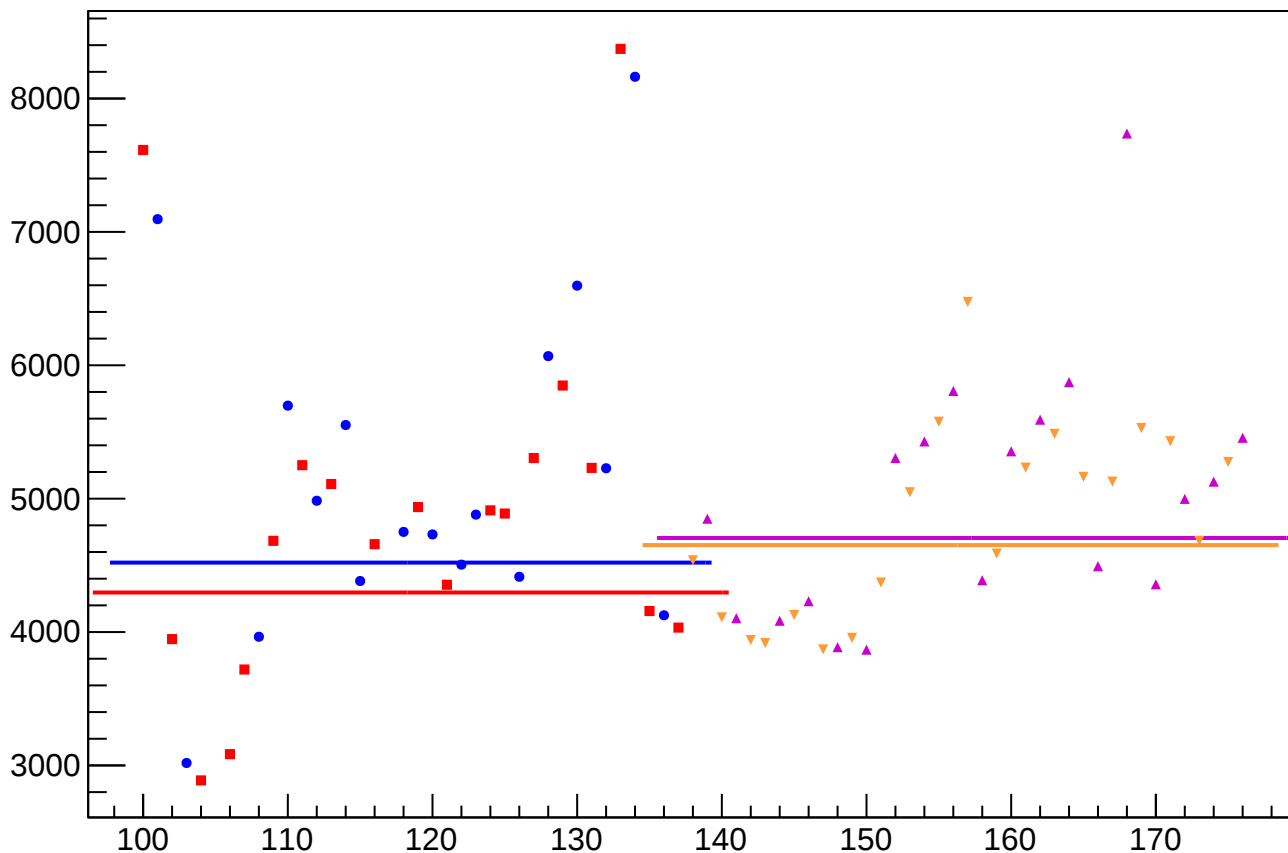
Right: -1689.130 $\pm$ 1235.094 χ^2 /NDF: 31.9/35

In: -941.966 $\pm$ 1024.589 χ^2 /NDF: 35.3/35

Out: 874.111 $\pm$ 987.245 χ^2 /NDF: 35.4/38

All: -0.229 $\pm$ 710.923 χ^2 /NDF: 72.4/74

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685 $\pm$ 1.279 χ^2 /NDF: 770887.4/16

Left Out: 4652.156 $\pm$ 0.860 χ^2 /NDF: 595760.0/19

Right Out: 4296.527 $\pm$ 1.189 χ^2 /NDF: 771785.2/18

Left In: 4705.211 $\pm$ 0.879 χ^2 /NDF: 783963.1/18

Left: 4678.102 $\pm$ 0.615 χ^2 /NDF: 1381584.2/38

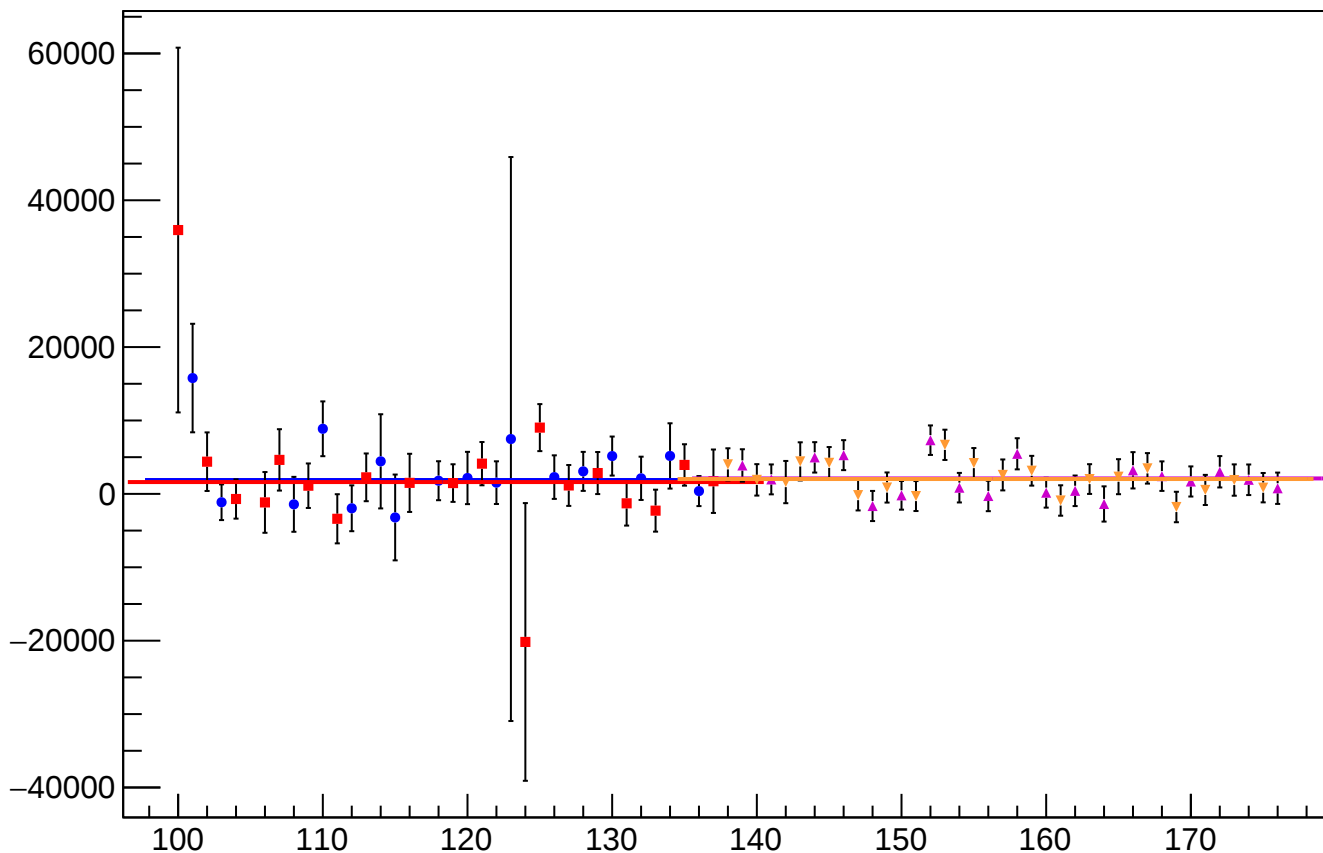
Right: 4400.391 $\pm$ 0.871 χ^2 /NDF: 1559151.4/35

In: 4646.020 $\pm$ 0.724 χ^2 /NDF: 1568984.3/35

Out: 4529.957 $\pm$ 0.697 χ^2 /NDF: 1426302.3/38

All: 4585.724 $\pm$ 0.502 χ^2 /NDF: 3008619.2/74

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 2024.026 $\pm$ 477.640 χ^2 /NDF:18.8/19

Right Out: 1610.310 $\pm$ 765.843 χ^2 /NDF: 17.5/18

Left In: 2104.145 $\pm$ 480.583 χ^2 /NDF:25.2/18

Left: 2063.839 $\pm$ 338.778 χ^2 /NDF: 44.0/38

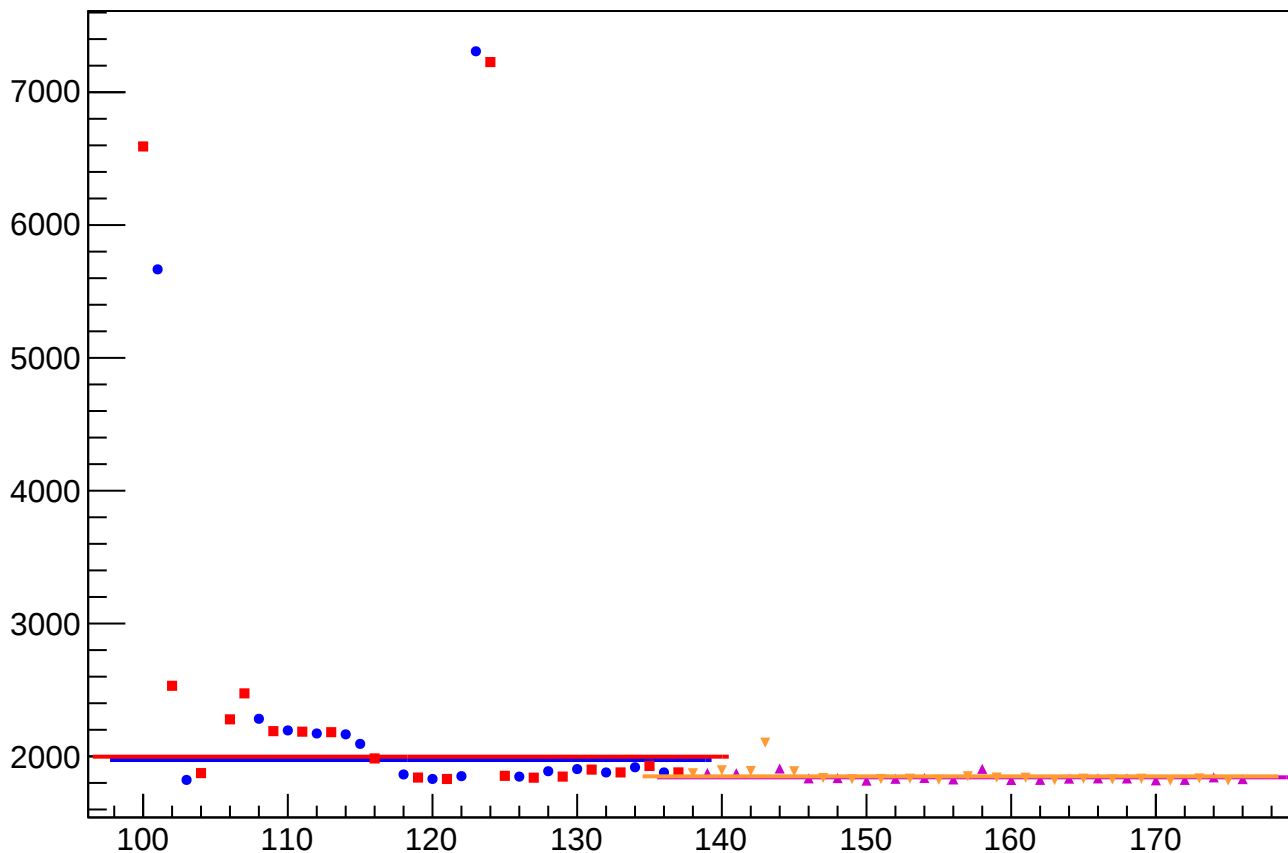
Right: 1745.891 $\pm$ 547.780 χ^2 /NDF: 32.2/35

In: 2045.068 $\pm$ 409.706 χ^2 /NDF:39.9/35

Out: 1908.167 $\pm$ 405.278 χ^2 /NDF:36.5/38

All: 1975.874 $\pm$ 288.128 χ^2 /NDF: 76.5/74

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1849.445+/-0.338 χ^2/NDF : 24124.9/19

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

Left In: 1842.088+/-0.340 χ^2/NDF : 6283.2/18

Left: 1845.789+/-0.240 χ^2/NDF : 30643.9/38

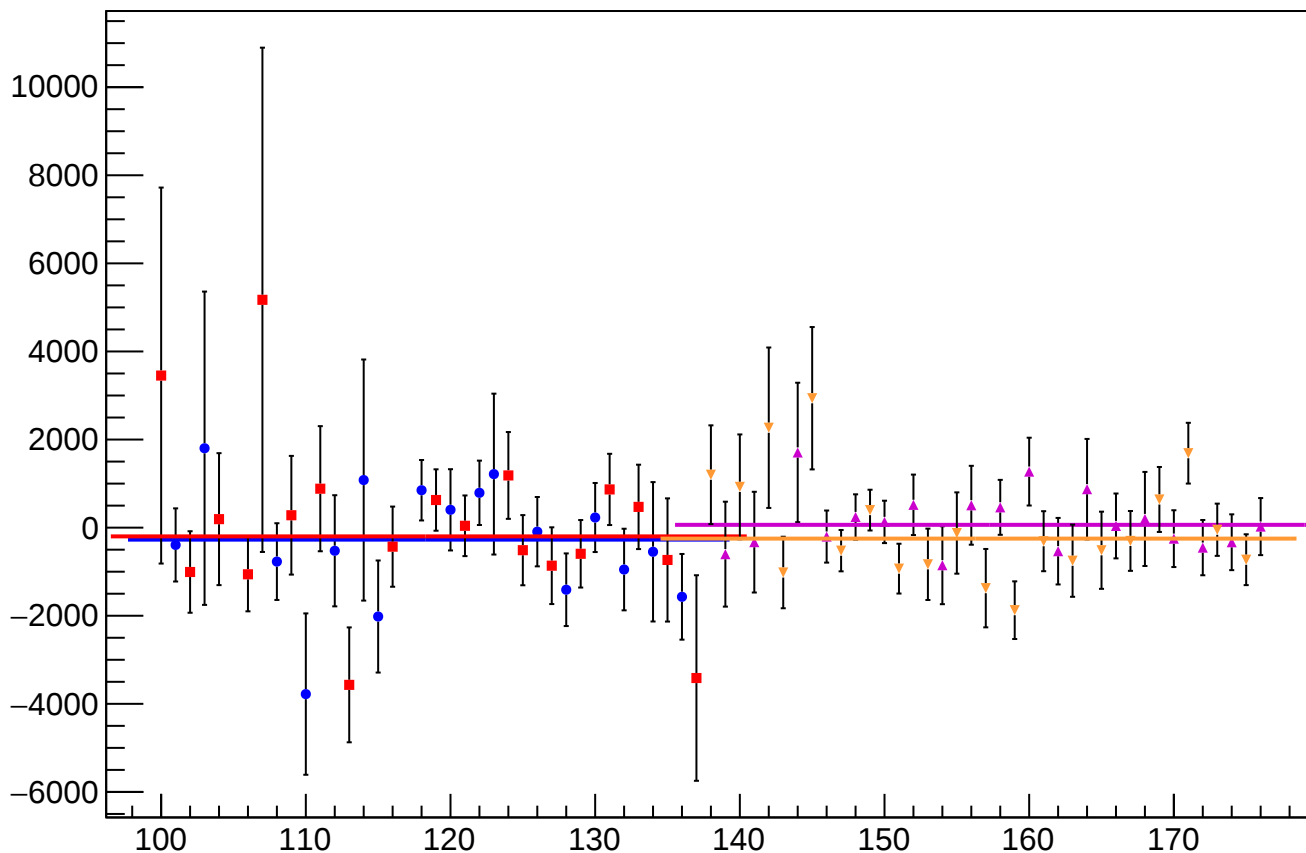
Right: 1985.358+/-0.387 χ^2/NDF : 957496.6/35

In: 1877.714+/-0.290 χ^2/NDF : 647380.6/35

Out: 1890.948+/-0.287 χ^2/NDF : 433619.9/38

All: 1884.403+/-0.204 χ^2/NDF : 1082055.2/74

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -271.773+/-240.214 χ^2/NDF : 17.2/16

Left Out: -248.688+/-159.647 χ^2/NDF : 32.0/19

Right Out: -198.424+/-229.035 χ^2/NDF : 19.7/18

Left In: 63.678+/-164.839 χ^2/NDF : 8.9/18

Left: -97.502+/-114.679 χ^2/NDF : 42.8/38

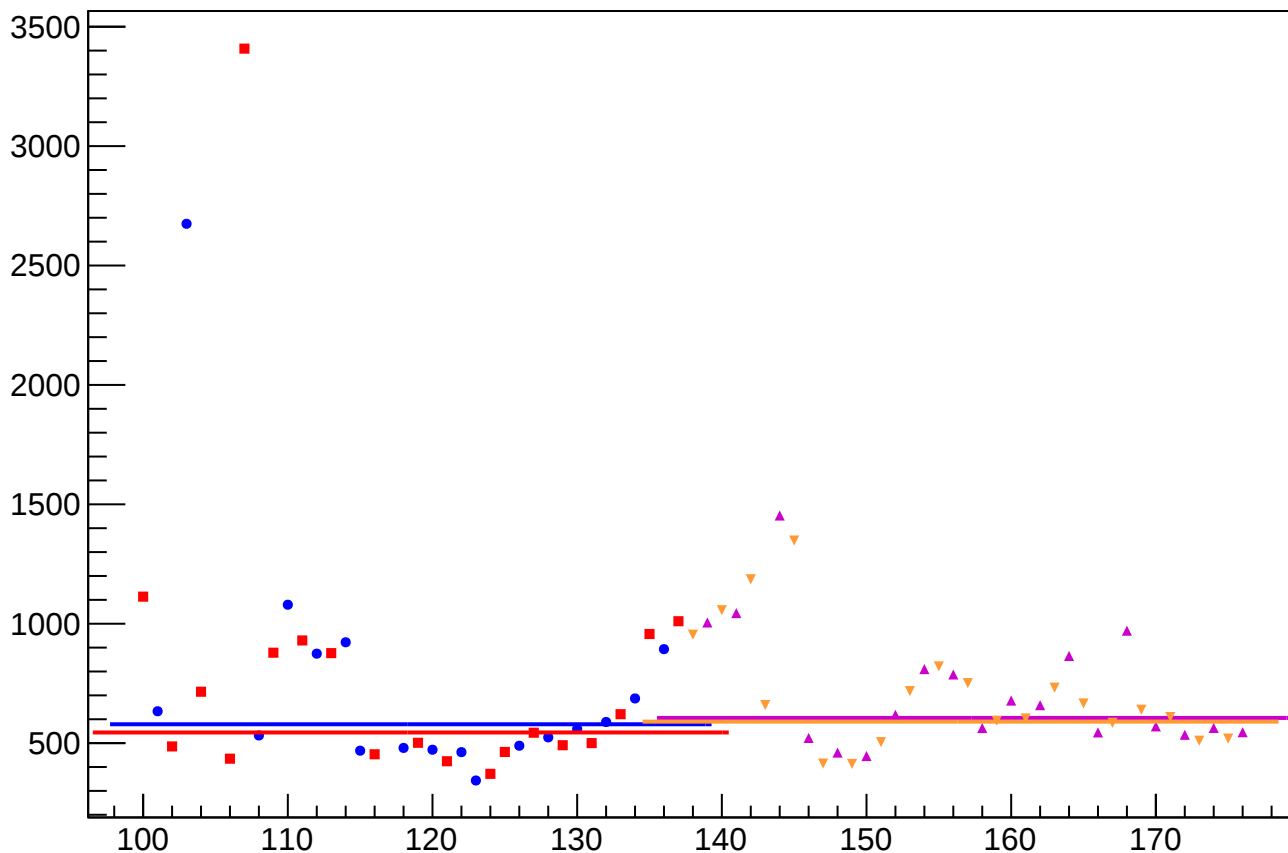
Right: -233.352+/-165.764 χ^2/NDF : 37.0/35

In: -43.714+/-135.916 χ^2/NDF : 27.5/35

Out: -232.252+/-130.970 χ^2/NDF : 51.8/38

All: -141.476+/-94.310 χ^2/NDF : 80.3/74

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 579.010 $\pm$ 0.170 χ^2 /NDF: 1422148.6/16

Left Out: 590.053 $\pm$ 0.113 χ^2 /NDF: 2201075.4/19

Right Out: 544.674 $\pm$ 0.162 χ^2 /NDF: 1457799.9/18

Left In: 605.514 $\pm$ 0.117 χ^2 /NDF: 2148021.4/18

Left: 597.536 $\pm$ 0.081 χ^2 /NDF: 4358175.6/38

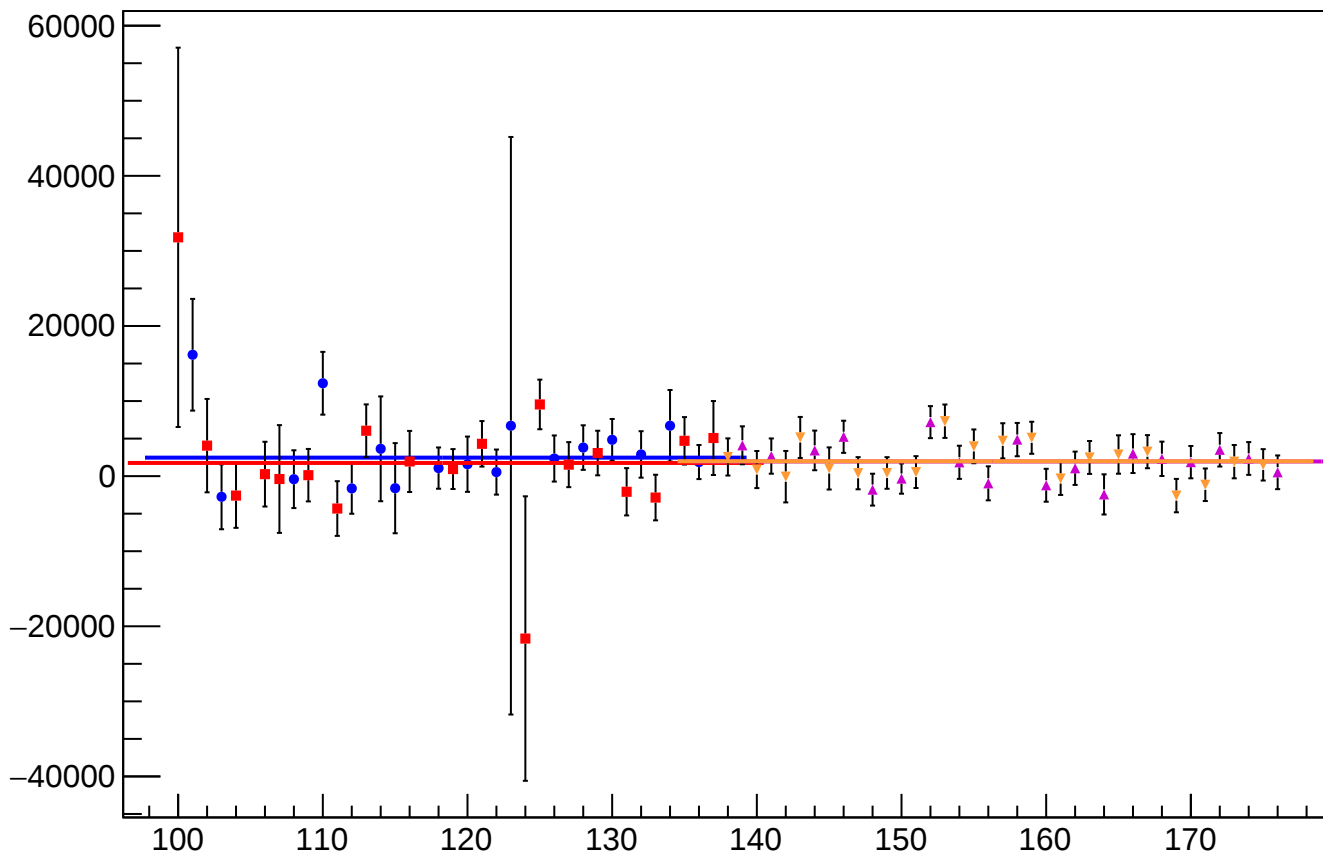
Right: 561.024 $\pm$ 0.117 χ^2 /NDF: 2901353.8/35

In: 597.029 $\pm$ 0.096 χ^2 /NDF: 3586722.8/35

Out: 575.214 $\pm$ 0.093 χ^2 /NDF: 3711715.7/38

All: 585.718 $\pm$ 0.067 χ^2 /NDF: 7325153.9/74

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076+/-863.197 χ^2/NDF : 15.5/16

Left Out: 1979.468+/-515.526 χ^2/NDF : 21.7/19

Right Out: 1756.788+/-853.292 χ^2/NDF : 20.5/18

Left In: 1956.371+/-519.359 χ^2/NDF : 23.4/18

Left: 1968.005+/-365.880 χ^2/NDF : 45.0/38

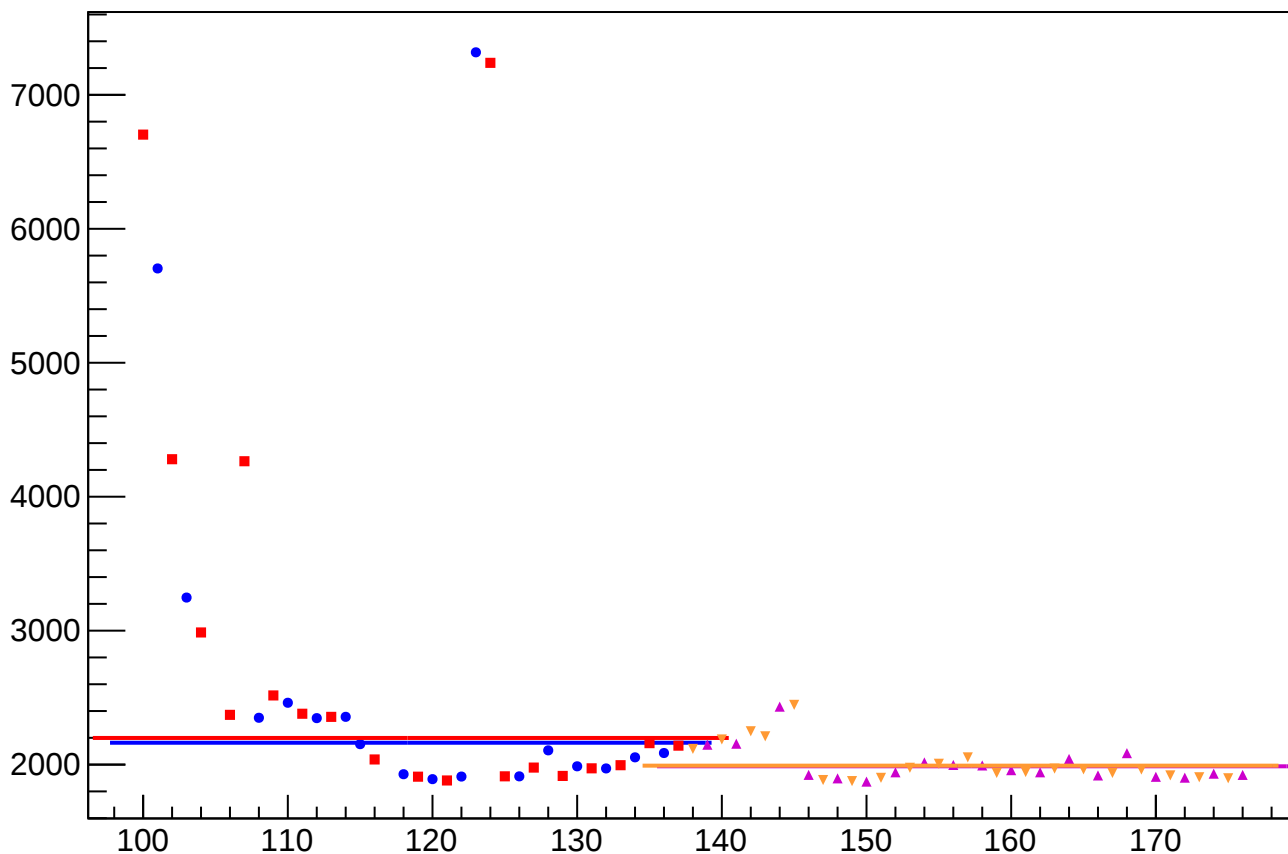
Right: 2106.351+/-606.840 χ^2/NDF : 36.4/35

In: 2091.313+/-445.019 χ^2/NDF : 39.2/35

Out: 1919.922+/-441.248 χ^2/NDF : 42.2/38

All: 2004.888+/-313.334 χ^2/NDF : 81.4/74

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 1992.212+/-0.365 χ^2/NDF : 123963.4/19

Right Out: 2199.003+/-0.603 χ^2/NDF : 803297.2/18

Left In: 1987.390+/-0.367 χ^2/NDF : 103977.2/18

Left: 1989.819+/-0.259 χ^2/NDF : 228027.4/38

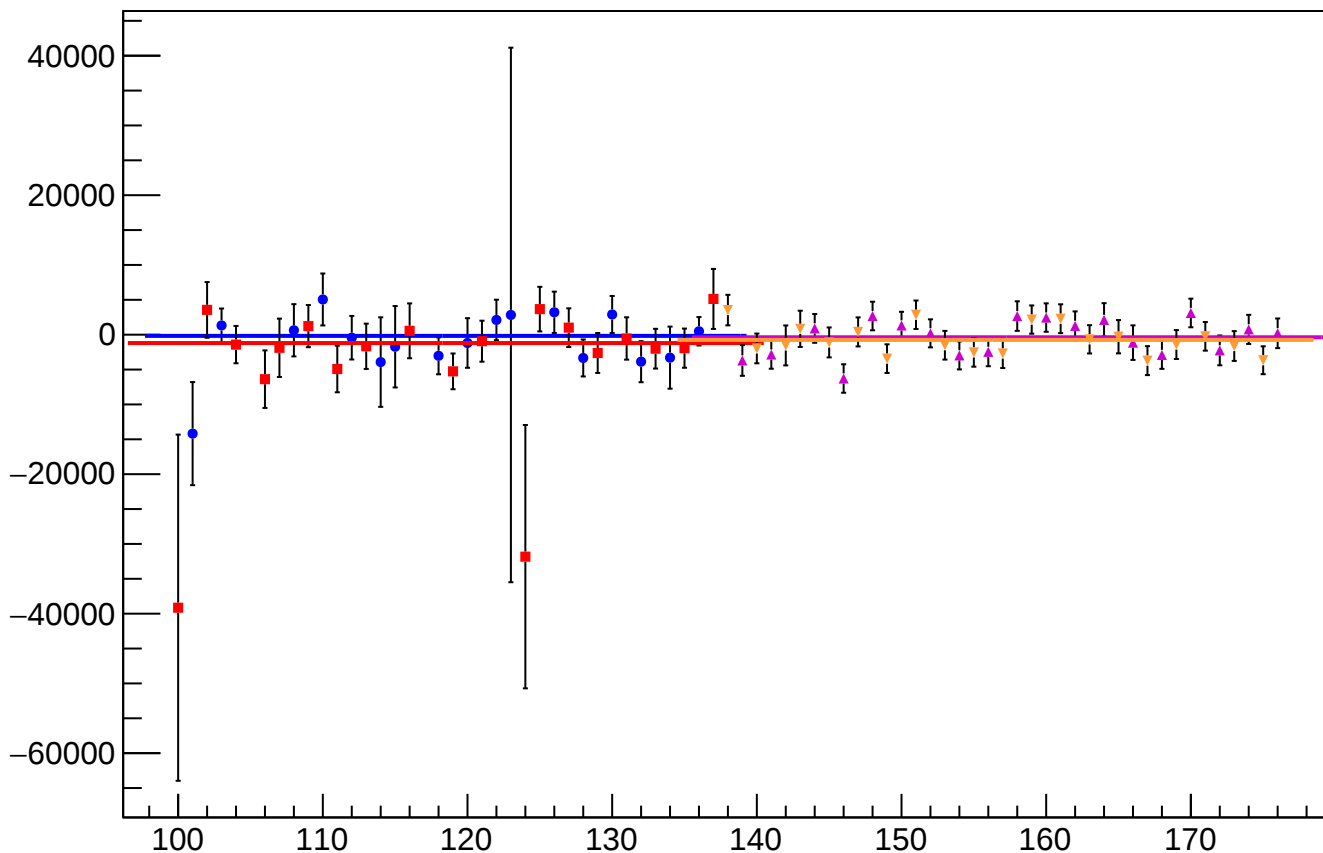
Right: 2181.359+/-0.429 χ^2/NDF : 1514611.9/35

In: 2034.146+/-0.315 χ^2/NDF : 874546.8/35

Out: 2047.509+/-0.312 χ^2/NDF : 1013313.3/38

All: 2040.884+/-0.222 χ^2/NDF : 1888769.5/74

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -170.351+/-782.384 χ^2/NDF : 14.5/16

Left Out: -747.799+/-476.851 χ^2/NDF : 20.3/19

Right Out: -1197.543+/-764.254 χ^2/NDF : 18.2/18

Left In: -371.588+/-479.987 χ^2/NDF : 29.6/18

Left: -560.926+/-338.288 χ^2/NDF : 50.3/38

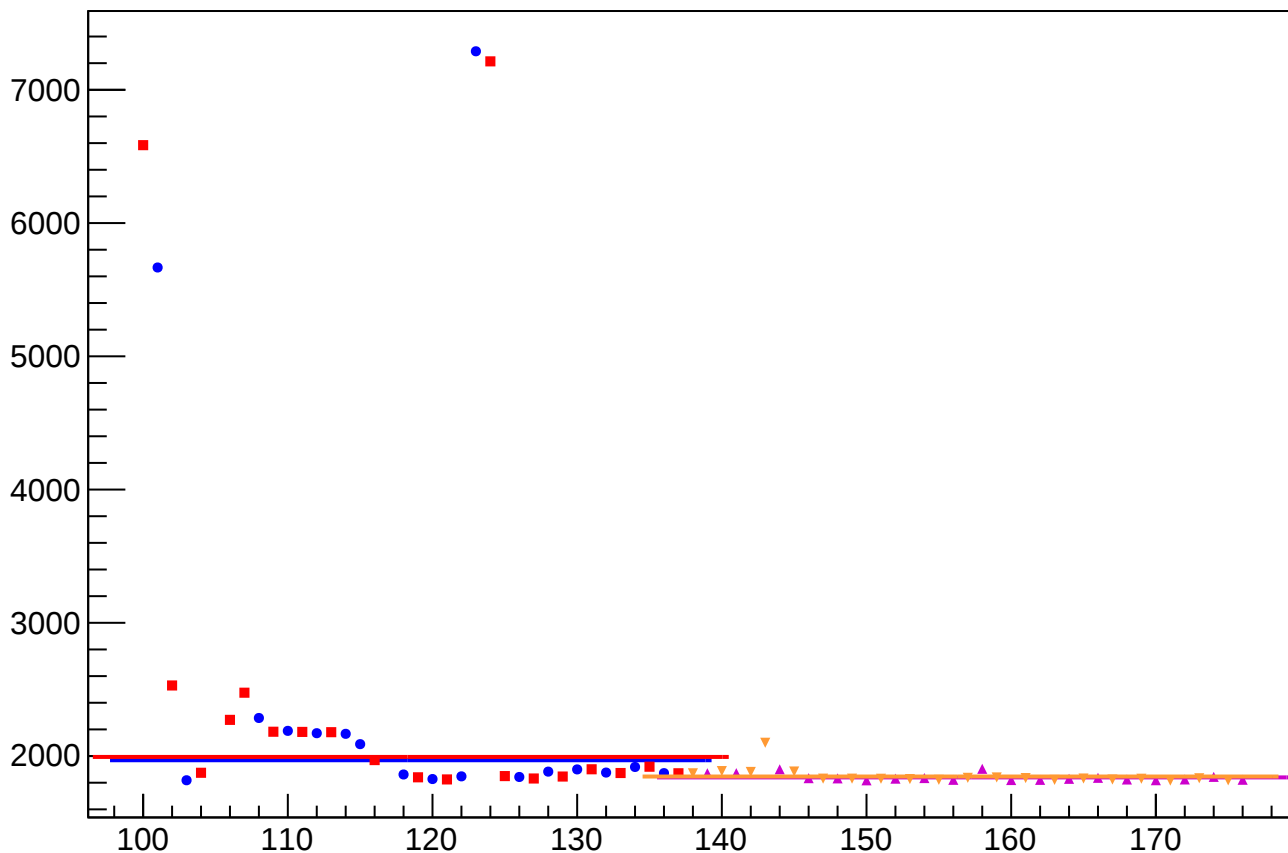
Right: -695.987+/-546.706 χ^2/NDF : 33.6/35

In: -316.559+/-409.130 χ^2/NDF : 44.2/35

Out: -873.825+/-404.561 χ^2/NDF : 38.7/38

All: -598.321+/-287.670 χ^2/NDF : 83.9/74

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632+/-0.553 χ^2/NDF : 602972.8/16

Left Out: 1846.430+/-0.337 χ^2/NDF : 23593.2/19

Right Out: 1993.422+/-0.540 χ^2/NDF : 356172.4/18

Left In: 1839.810+/-0.339 χ^2/NDF : 5948.3/18

Left: 1843.141+/-0.239 χ^2/NDF : 29732.9/38

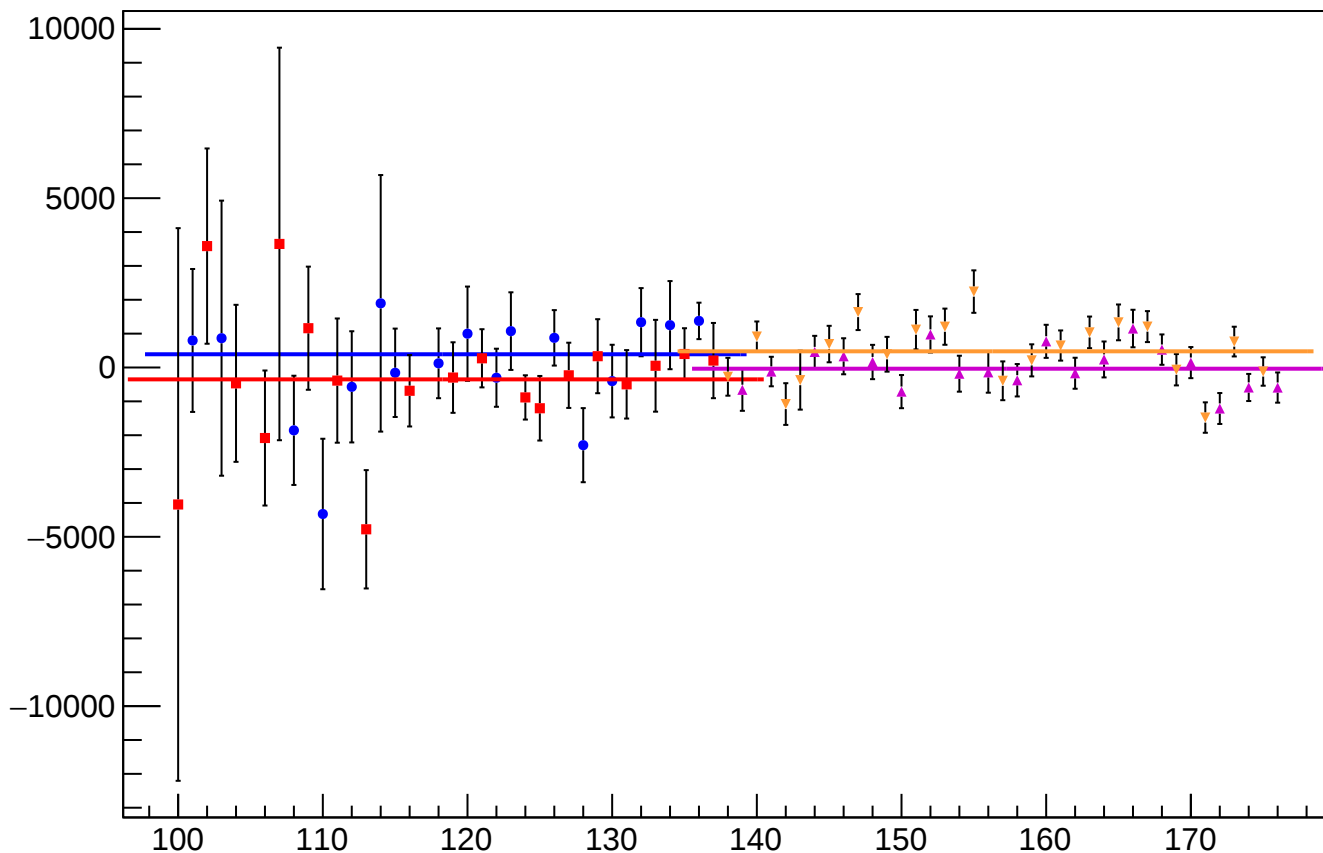
Right: 1981.318+/-0.387 χ^2/NDF : 960172.6/35

In: 1875.037+/-0.289 χ^2/NDF : 648315.8/35

Out: 1887.619+/-0.286 χ^2/NDF : 433018.8/38

All: 1881.399+/-0.203 χ^2/NDF : 1082291.0/74

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923+/-270.128 χ^2/NDF : 20.0/16

Left Out: 477.757+/-113.256 χ^2/NDF :58.2/19

Right Out: -350.642+/-266.097 χ^2/NDF : 14.2/18

Left In: -35.941+/-112.063 χ^2/NDF :28.4/18

Left: 218.188+/-79.659 χ^2/NDF : 97.0/38

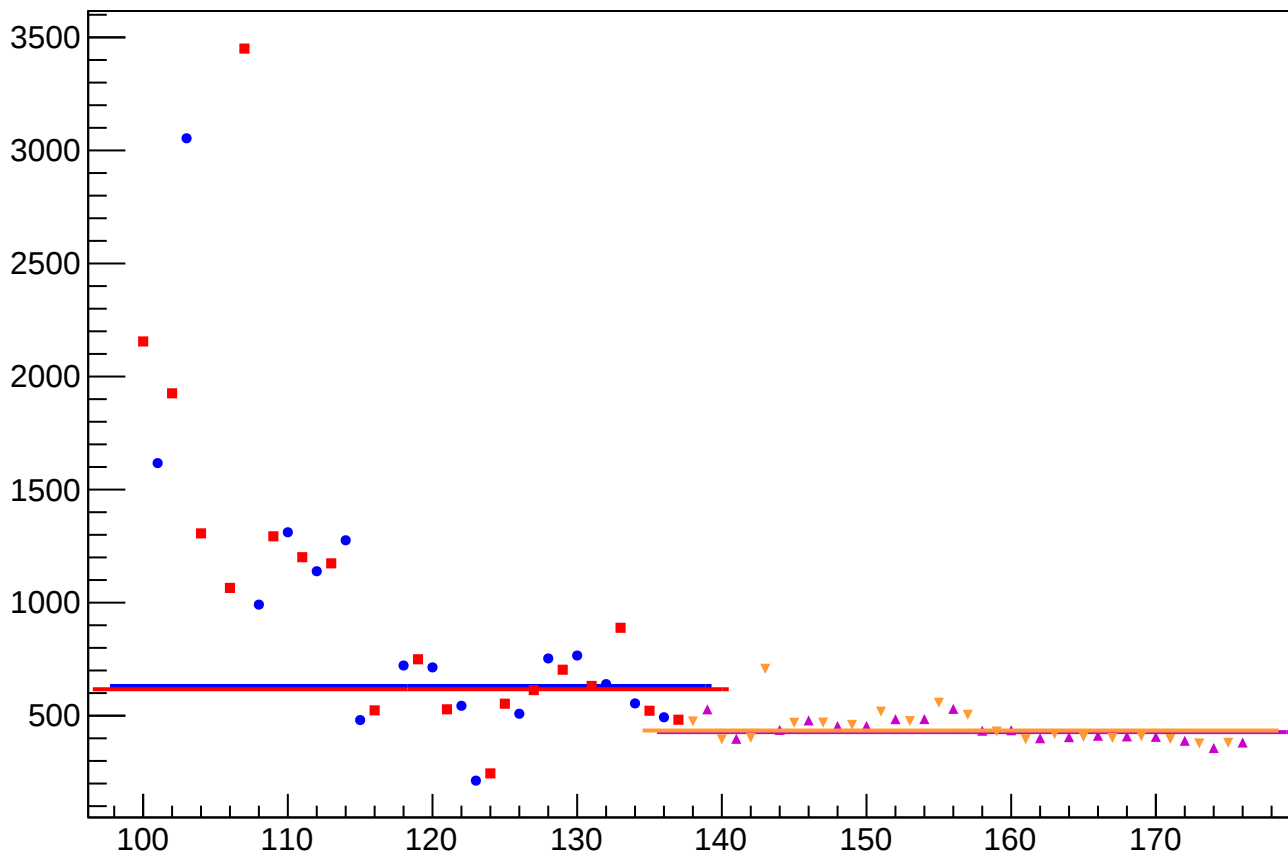
Right: 14.566+/-189.568 χ^2/NDF : 38.1/35

In: 26.736+/-103.509 χ^2/NDF :50.5/35

Out: 350.706+/-104.210 χ^2/NDF :80.6/38

All: 187.629+/-73.438 χ^2/NDF : 136.0/74

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 434.497 $\pm$ 0.080 χ^2 /NDF: 529133.0/19

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

Left In: 427.462 $\pm$ 0.079 χ^2 /NDF: 316474.3/18

Left: 430.942 $\pm$ 0.056 χ^2 /NDF: 849506.4/38

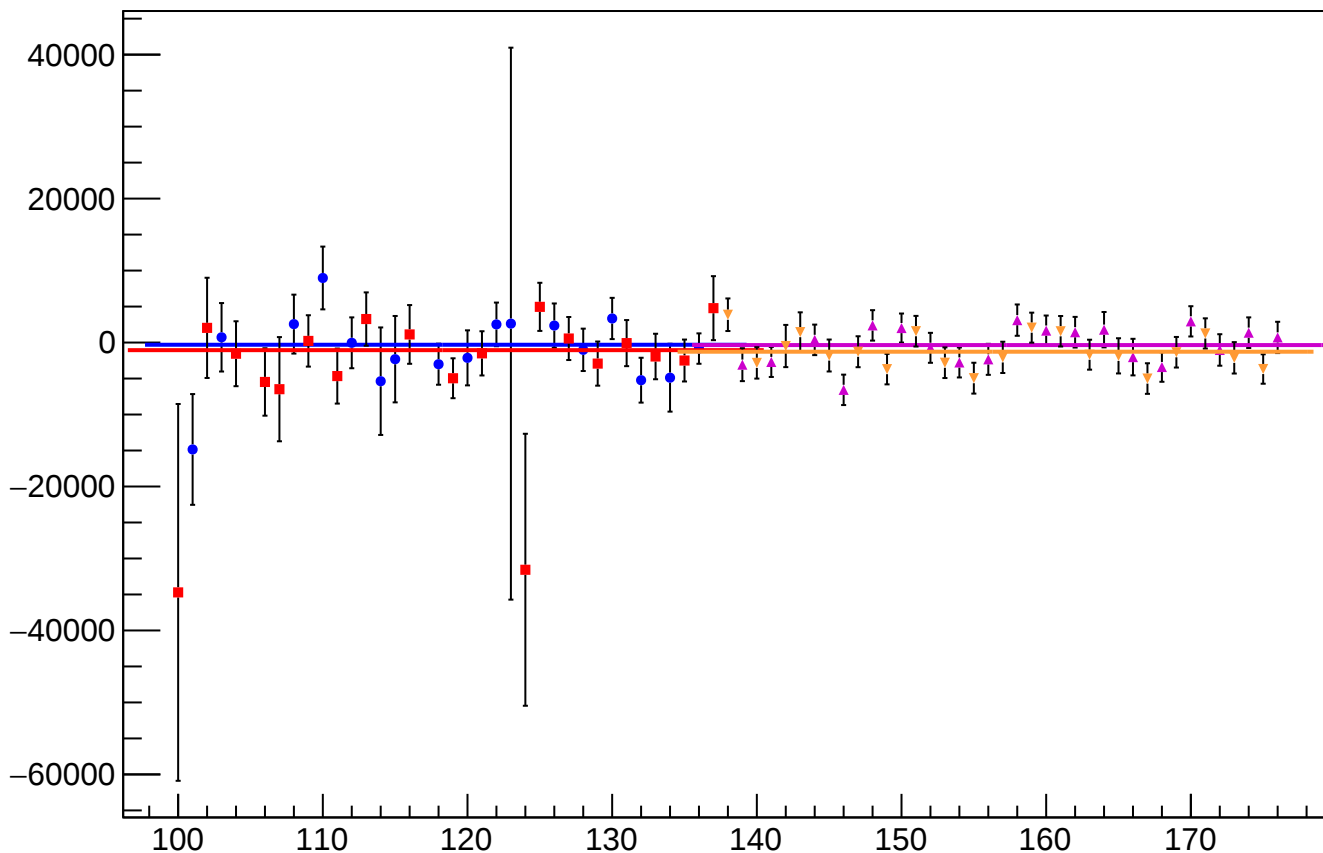
Right: 624.124 $\pm$ 0.134 χ^2 /NDF: 5065724.7/35

In: 457.411 $\pm$ 0.073 χ^2 /NDF: 3550017.7/35

Out: 462.493 $\pm$ 0.074 χ^2 /NDF: 4128091.4/38

All: 459.935 $\pm$ 0.052 χ^2 /NDF: 7680503.1/74

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -1273.202 ± 491.553 χ^2/NDF : 24.0/19

Right Out: -1056.856 ± 867.445 χ^2/NDF : 16.6/18

Left In: -350.808 ± 493.912 χ^2/NDF : 27.7/18

Left: -814.212 ± 348.412 χ^2/NDF : 53.5/38

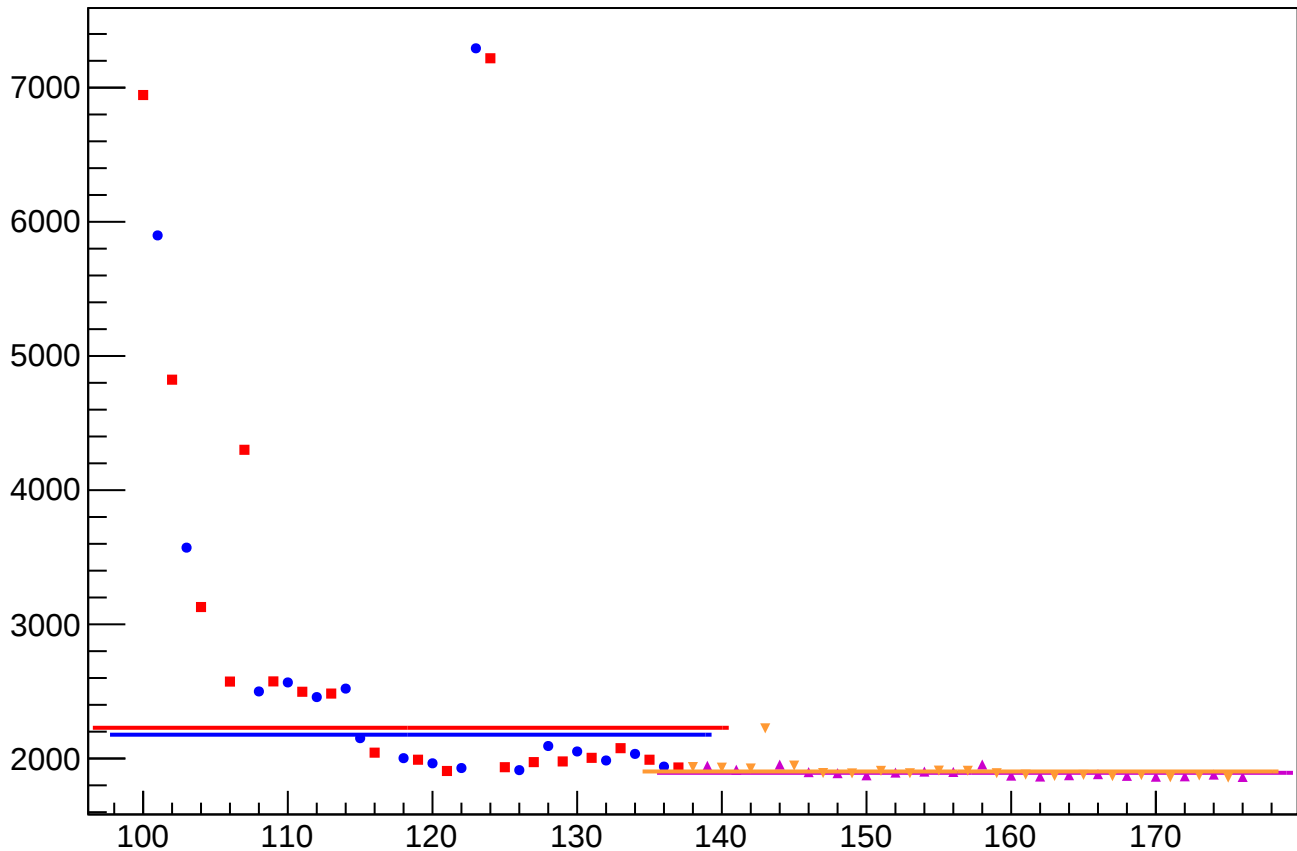
Right: -683.218 ± 614.953 χ^2/NDF : 34.2/35

In: -339.853 ± 429.752 χ^2/NDF : 44.9/35

Out: -1220.617 ± 427.662 χ^2/NDF : 40.7/38

All: -782.381 ± 303.139 χ^2/NDF : 87.7/74

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446+/-0.617 χ^2/NDF : 802836.7/16

Left Out: 1903.241+/-0.348 χ^2/NDF :33428.2/19

Right Out: 2229.014+/-0.613 χ^2/NDF : 895809.1/18

Left In: 1893.327+/-0.349 χ^2/NDF :6866.0/18

Left: 1898.307+/-0.246 χ^2/NDF : 40699.0/38

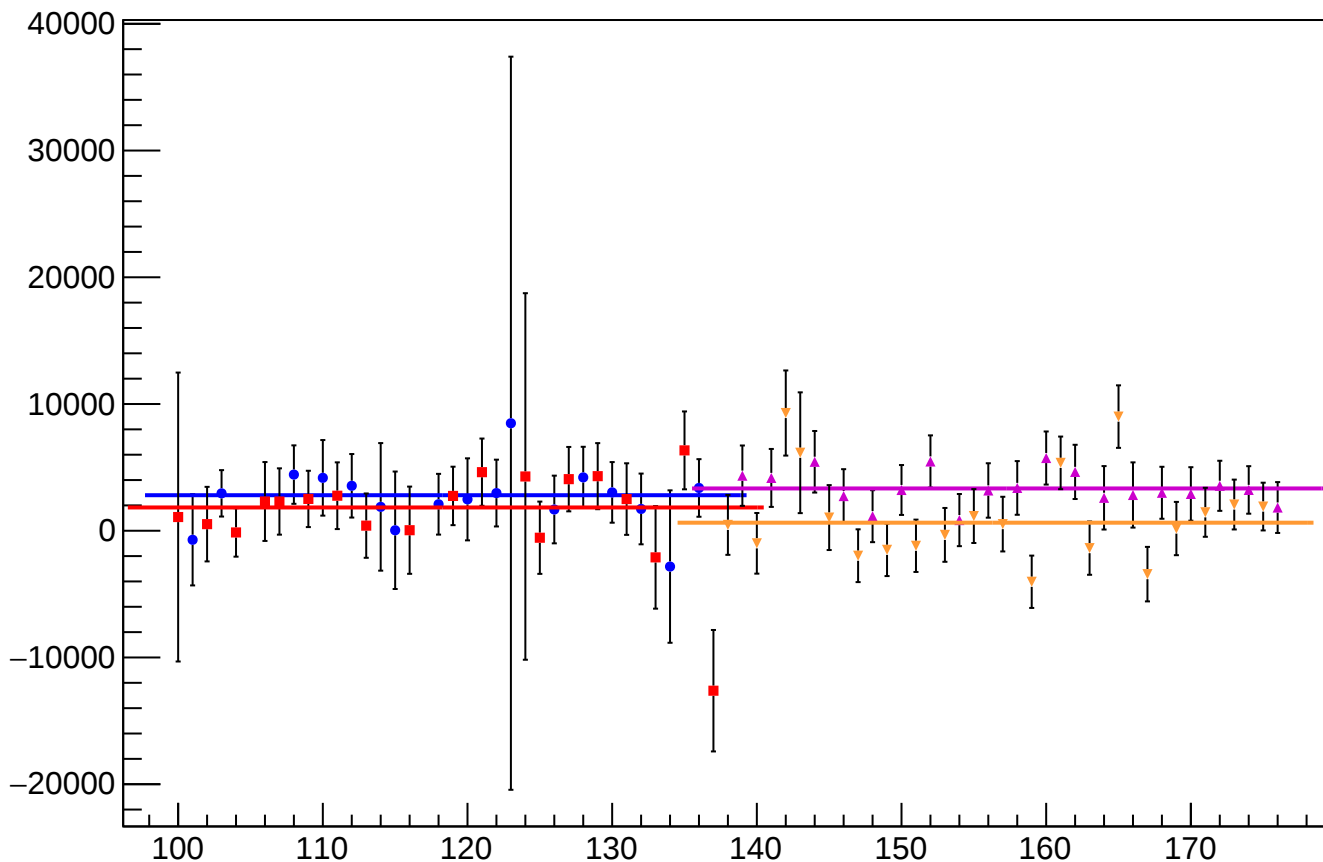
Right: 2203.363+/-0.435 χ^2/NDF : 1702161.6/35

In: 1962.348+/-0.304 χ^2/NDF :970475.6/35

Out: 1982.424+/-0.302 χ^2/NDF :1142757.2/38

All: 1972.435+/-0.214 χ^2/NDF : 2115425.9/74

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: 635.359 $\pm$ 493.701 χ^2 /NDF:39.6/19

Right Out: 1837.168 $\pm$ 655.307 χ^2 /NDF: 18.0/18

Left In: 3337.356 $\pm$ 489.380 χ^2 /NDF:7.3/18

Left: 1998.233 $\pm$ 347.561 χ^2 /NDF: 62.0/38

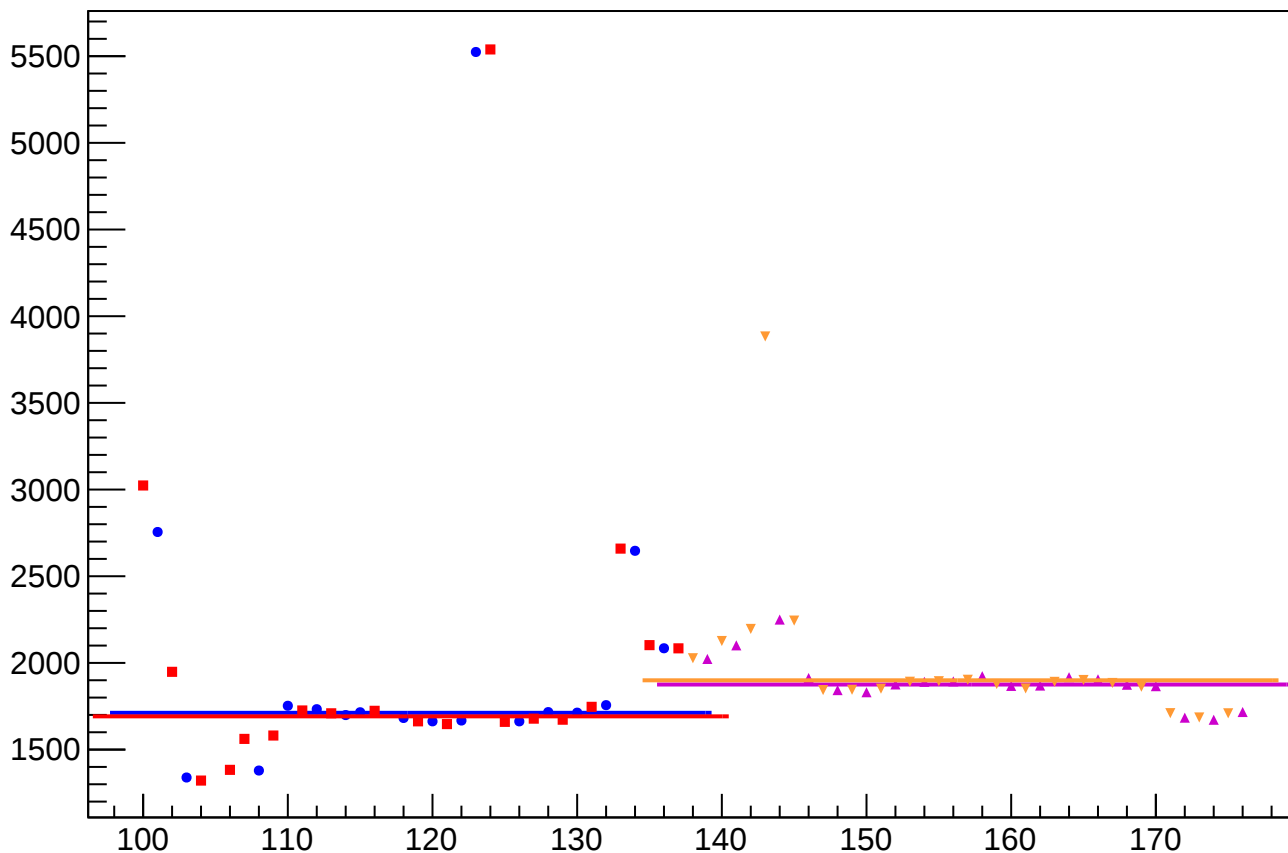
Right: 2303.702 $\pm$ 471.374 χ^2 /NDF: 23.0/35

In: 3154.828 $\pm$ 396.920 χ^2 /NDF:11.6/35

Out: 1070.510 $\pm$ 394.318 χ^2 /NDF:59.8/38

All: 2105.817 $\pm$ 279.740 χ^2 /NDF: 85.3/74

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 1899.652+/-0.349 χ^2/NDF : 491460.6/19

Right Out: 1691.747+/-0.463 χ^2/NDF : 454922.1/18

Left In: 1875.404+/-0.346 χ^2/NDF : 133854.3/18

Left: 1887.421+/-0.246 χ^2/NDF : 627748.4/38

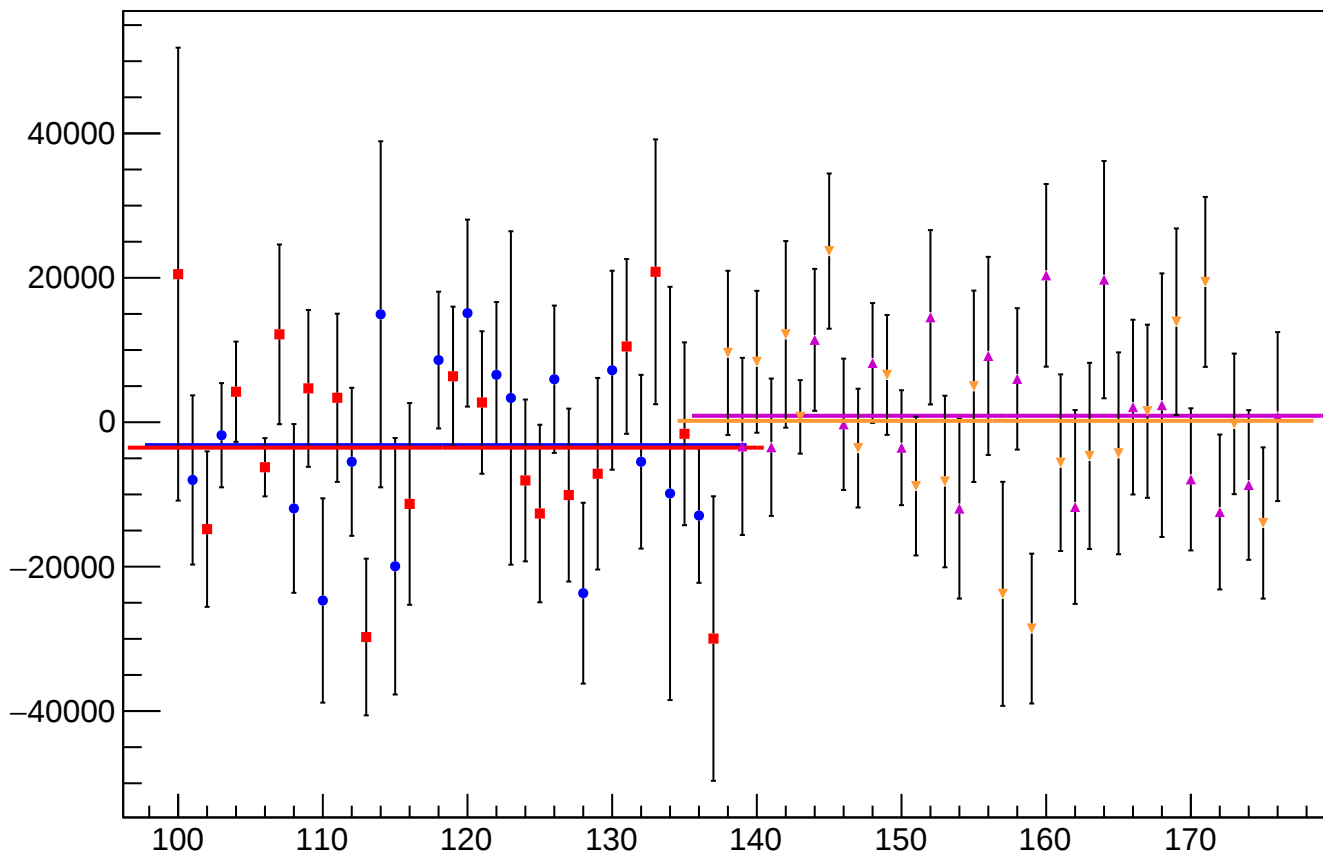
Right: 1701.595+/-0.333 χ^2/NDF : 888336.5/35

In: 1819.544+/-0.281 χ^2/NDF : 642485.9/35

Out: 1824.373+/-0.279 χ^2/NDF : 1074805.3/38

All: 1821.974+/-0.198 χ^2/NDF : 1717440.2/74

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: 192.340 $\pm$ 2262.830 χ^2 /NDF:25.5/19

Right Out: -3520.105 $\pm$ 2266.532 χ^2 /NDF: 19.5/18

Left In: 895.055 $\pm$ 2496.411 χ^2 /NDF:13.3/18

Left: 509.292 $\pm$ 1676.574 χ^2 /NDF: 38.9/38

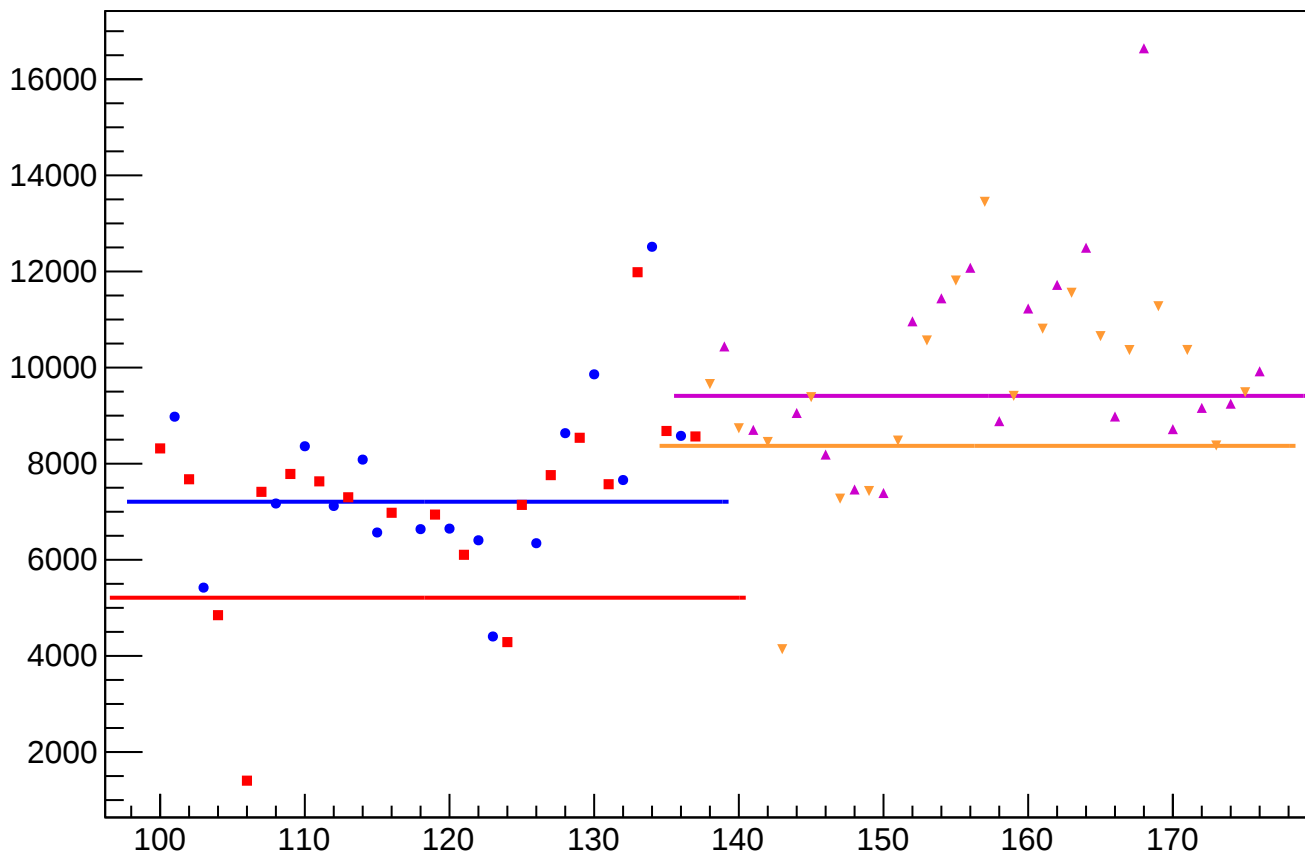
Right: -3385.836 $\pm$ 1774.424 χ^2 /NDF: 33.9/35

In: -869.817 $\pm$ 1878.438 χ^2 /NDF:28.9/35

Out: -1660.848 $\pm$ 1601.370 χ^2 /NDF:46.4/38

All: -1327.919 $\pm$ 1218.641 χ^2 /NDF: 75.4/74

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567 $\pm$ 2.017 χ^2 /NDF: 469302.0/16

Left Out: 8371.250 $\pm$ 1.600 χ^2 /NDF: 2417990.6/19

Right Out: 5211.187 $\pm$ 1.603 χ^2 /NDF: 3196870.2/18

Left In: 9411.466 $\pm$ 1.765 χ^2 /NDF: 973352.7/18

Left: 8840.427 $\pm$ 1.186 χ^2 /NDF: 3581971.5/38

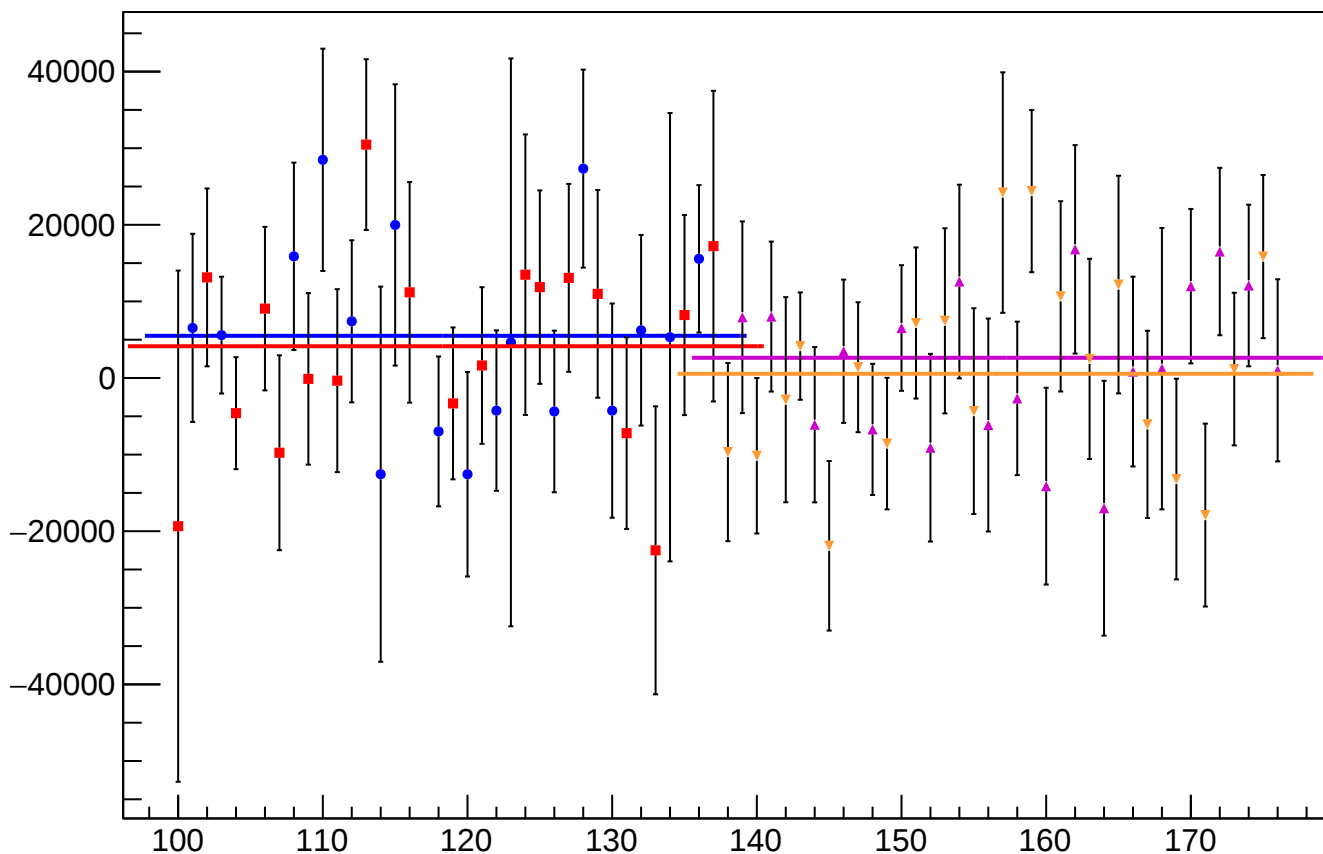
Right: 5984.369 $\pm$ 1.255 χ^2 /NDF: 4267414.1/35

In: 8455.825 $\pm$ 1.328 χ^2 /NDF: 2118250.9/35

Out: 6793.801 $\pm$ 1.132 χ^2 /NDF: 7561911.2/38

All: 7493.313 $\pm$ 0.862 χ^2 /NDF: 10586894.8/71

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: 549.573 $\pm$ 2425.067 χ^2 /NDF:22.9/19

Right Out: 4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

Left In: 2639.211 $\pm$ 2553.347 χ^2 /NDF:12.4/18

Left: 1540.584 $\pm$ 1758.383 χ^2 /NDF: 35.6/38

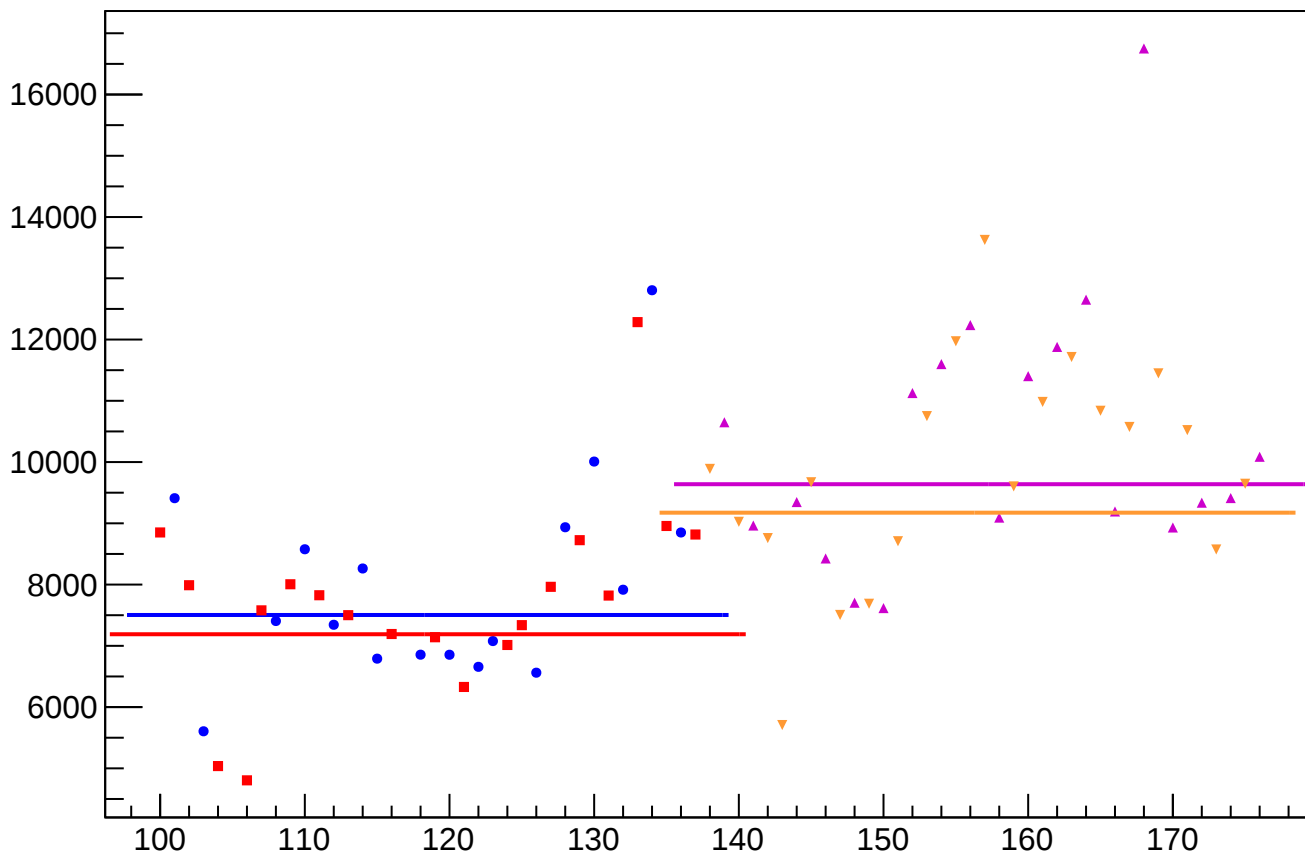
Right: 4784.984 $\pm$ 2033.900 χ^2 /NDF: 29.6/35

In: 3858.528 $\pm$ 1936.471 χ^2 /NDF:27.0/35

Out: 2097.242 $\pm$ 1830.360 χ^2 /NDF:39.3/38

All: 2928.309 $\pm$ 1330.192 χ^2 /NDF: 66.7/74

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 +/- 2.101 χ^2/NDF : 427313.5/16

Left Out: 9173.785 +/- 1.715 χ^2/NDF : 1199018.6/19

Right Out: 7189.231 +/- 1.973 χ^2/NDF : 557703.4/18

Left In: 9638.528 +/- 1.805 χ^2/NDF : 910275.0/18

Left: 9394.189 +/- 1.243 χ^2/NDF : 2144128.5/38

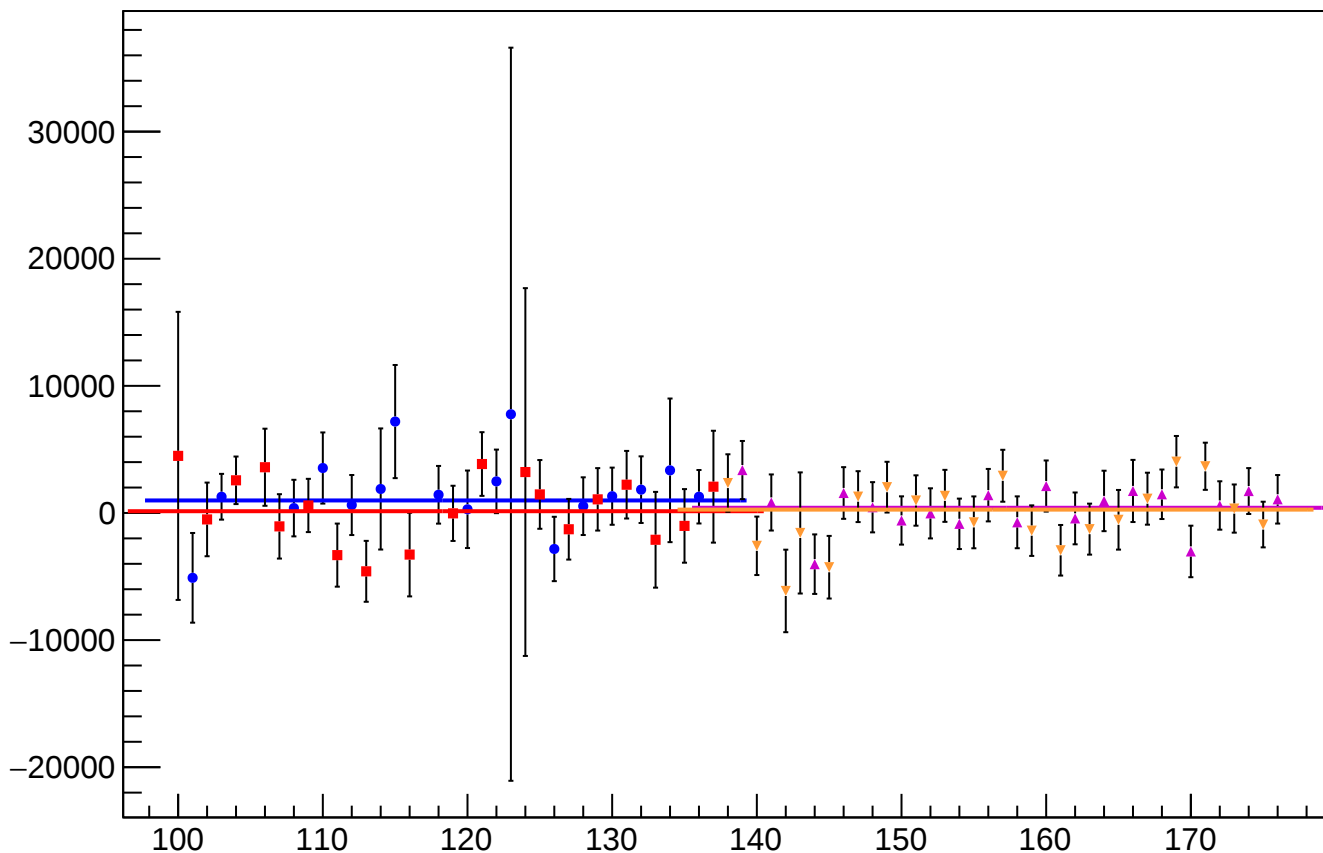
Right: 7336.574 +/- 1.438 χ^2/NDF : 996921.9/35

In: 8731.565 +/- 1.369 χ^2/NDF : 1931564.9/35

Out: 8319.653 +/- 1.294 χ^2/NDF : 2333183.6/38

All: 8514.005 +/- 0.941 χ^2/NDF : 4312545.5/74

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452 ± 644.630 χ^2/NDF : 9.1/16

Left Out: 263.340 ± 473.442 χ^2/NDF : 24.6/19

Right Out: 138.627 ± 623.555 χ^2/NDF : 14.7/18

Left In: 408.866 ± 469.438 χ^2/NDF : 12.0/18

Left: 336.721 ± 333.349 χ^2/NDF : 36.7/38

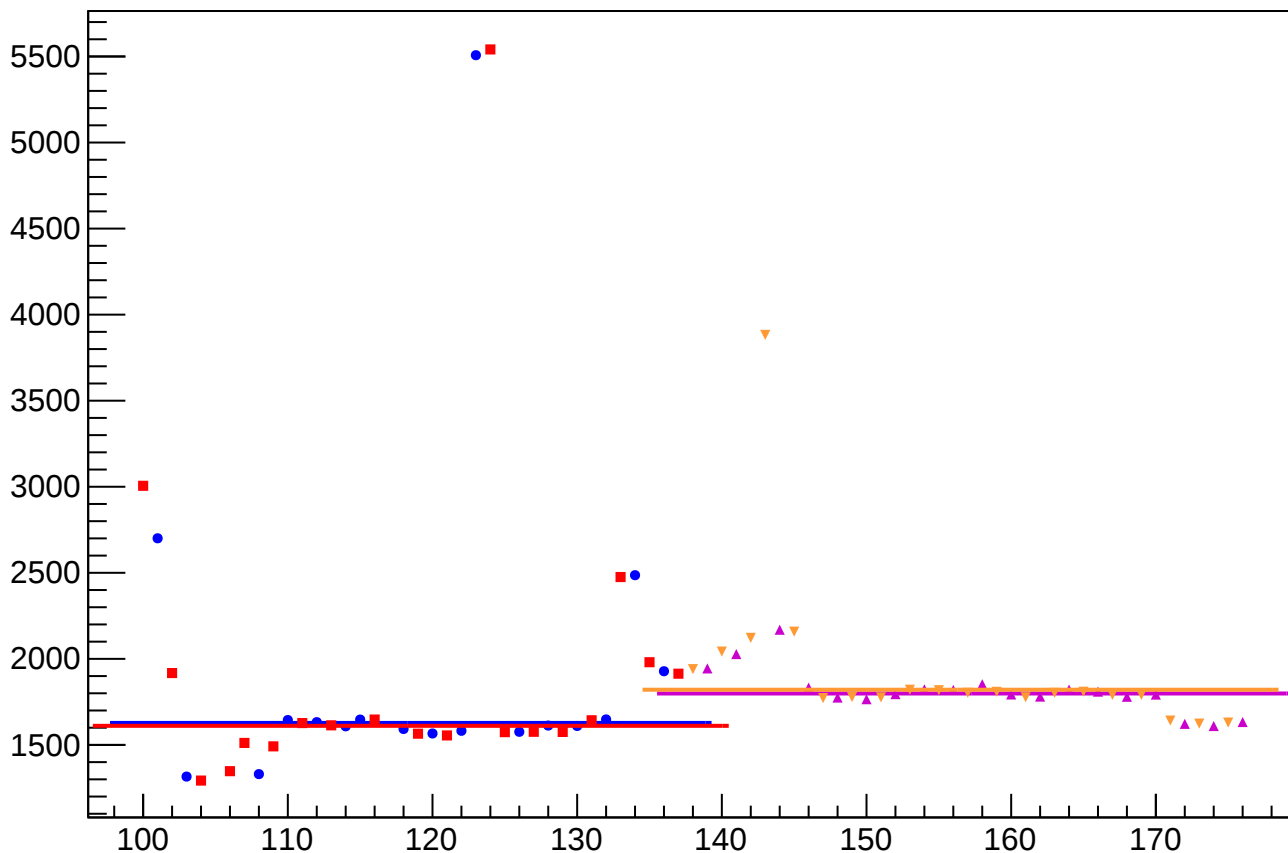
Right: 547.971 ± 448.185 χ^2/NDF : 24.6/35

In: 608.676 ± 379.479 χ^2/NDF : 21.6/35

Out: 217.735 ± 377.070 χ^2/NDF : 39.3/38

All: 411.961 ± 267.476 χ^2/NDF : 61.4/74

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836+/-0.456 χ^2/NDF : 407106.6/16

Left Out: 1820.718+/-0.335 χ^2/NDF : 521606.1/19

Right Out: 1610.948+/-0.441 χ^2/NDF : 433960.8/18

Left In: 1798.821+/-0.332 χ^2/NDF : 137858.8/18

Left: 1809.676+/-0.236 χ^2/NDF : 661622.1/38

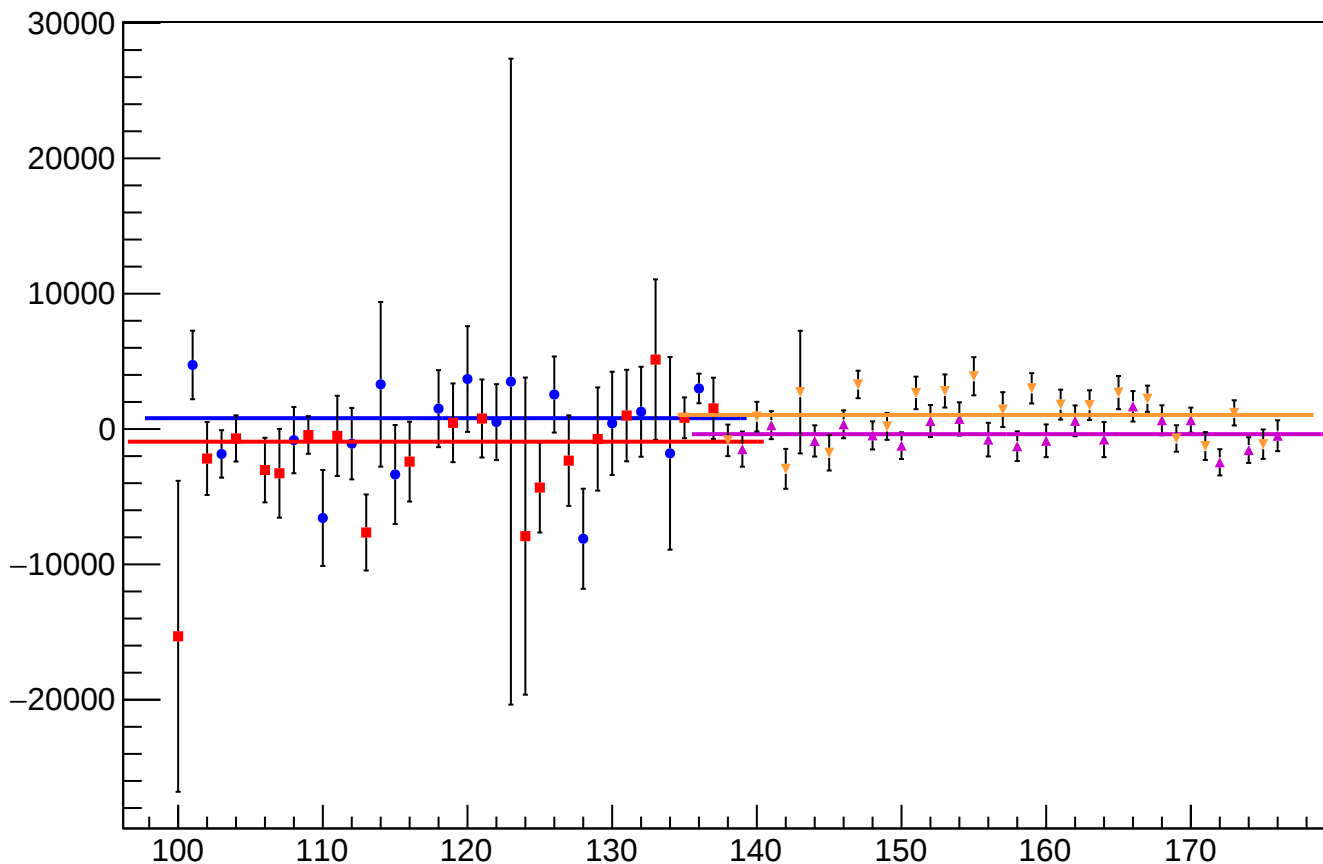
Right: 1619.112+/-0.317 χ^2/NDF : 841776.5/35

In: 1739.568+/-0.268 χ^2/NDF : 636913.4/35

Out: 1744.010+/-0.267 χ^2/NDF : 1099141.3/38

All: 1741.803+/-0.189 χ^2/NDF : 1736192.6/74

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 1040.028 $\pm$ 255.800 χ^2 /NDF:47.9/19

Right Out: -933.645 $\pm$ 589.727 χ^2 /NDF: 15.3/18

Left In: -378.008 $\pm$ 251.462 χ^2 /NDF:17.5/18

Left: 318.884 $\pm$ 179.325 χ^2 /NDF: 81.0/38

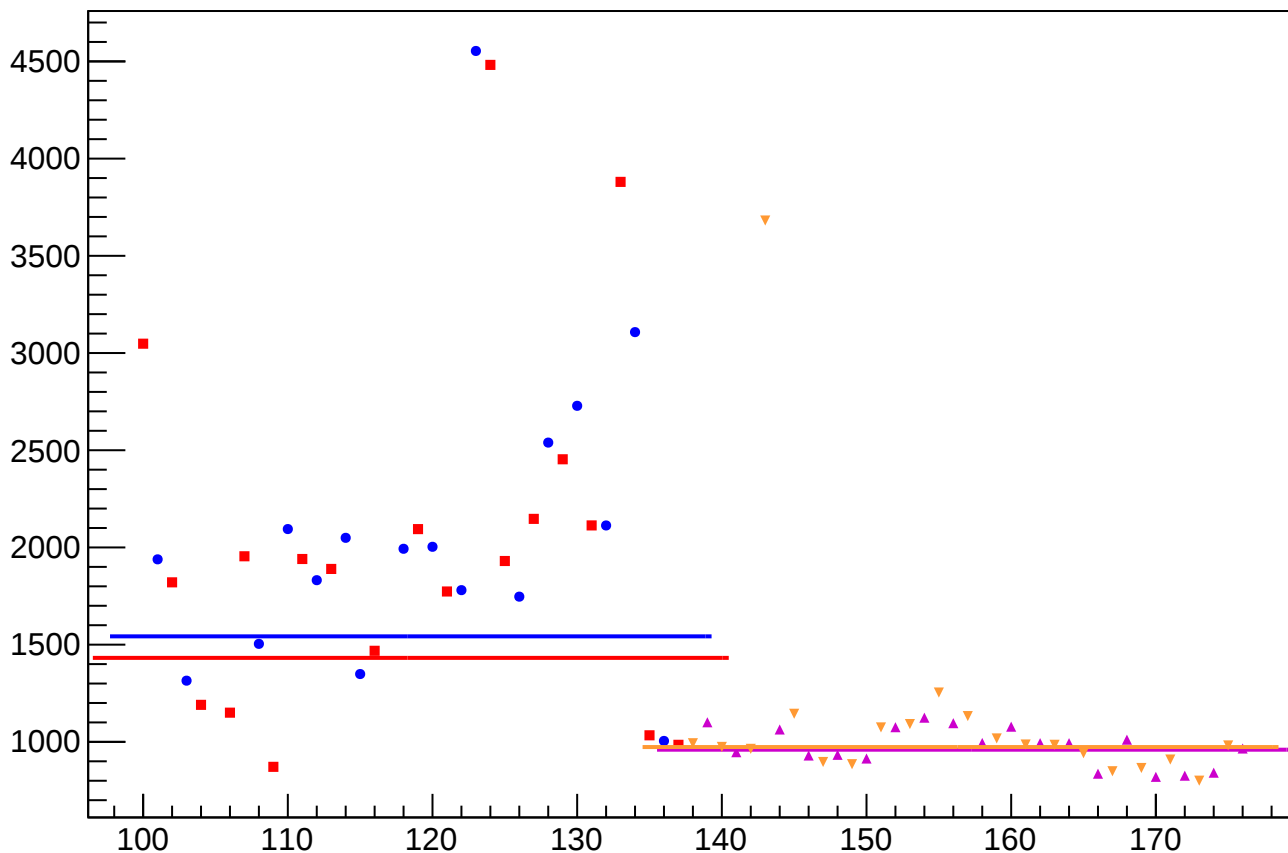
Right: -124.875 $\pm$ 431.067 χ^2 /NDF: 41.7/35

In: -216.445 $\pm$ 233.631 χ^2 /NDF:42.9/35

Out: 727.488 $\pm$ 234.674 χ^2 /NDF:72.6/38

All: 253.418 $\pm$ 165.570 χ^2 /NDF: 123.6/74

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705 $\pm$ 0.447 χ^2 /NDF: 1287946.3/16

Left Out: 973.328 $\pm$ 0.181 χ^2 /NDF: 1059055.9/19

Right Out: 1432.013 $\pm$ 0.417 χ^2 /NDF: 1823809.4/18

Left In: 959.684 $\pm$ 0.178 χ^2 /NDF: 294120.4/18

Left: 966.389 $\pm$ 0.127 χ^2 /NDF: 1356069.7/38

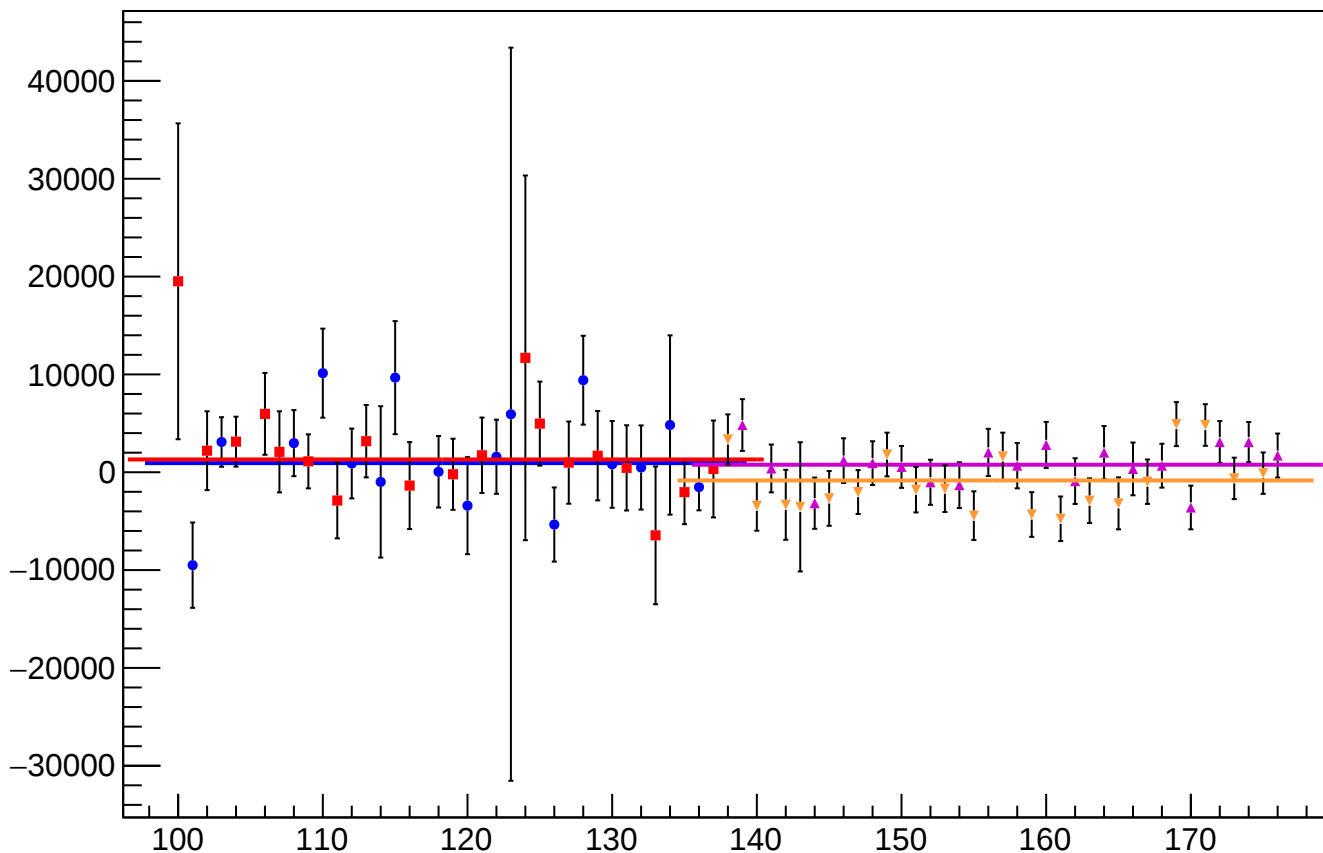
Right: 1483.562 $\pm$ 0.305 χ^2 /NDF: 3144570.0/35

In: 1039.439 $\pm$ 0.165 χ^2 /NDF: 3052763.6/35

Out: 1045.962 $\pm$ 0.166 χ^2 /NDF: 3901193.4/38

All: 1042.686 $\pm$ 0.117 χ^2 /NDF: 6954733.3/74

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 $\pm$ 967.941 χ^2/NDF : 21.6/16

Left Out: -840.847 $\pm$ 542.291 χ^2/NDF : 30.5/19

Right Out: 1307.802 $\pm$ 925.415 χ^2/NDF : 8.5/18

Left In: 767.495 $\pm$ 535.655 χ^2/NDF : 14.3/18

Left: -26.775 $\pm$ 381.090 χ^2/NDF : 49.3/38

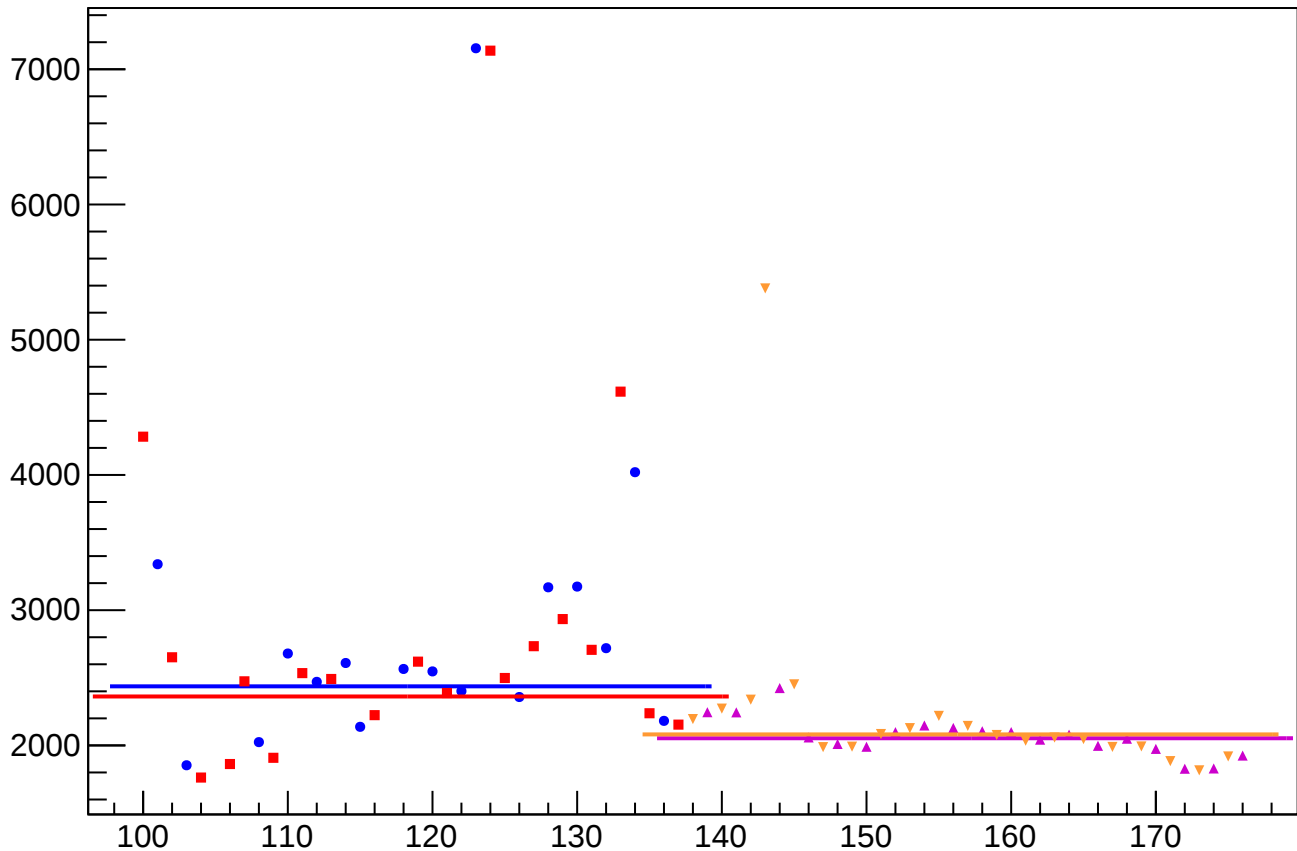
Right: 1128.728 $\pm$ 668.896 χ^2/NDF : 30.2/35

In: 806.255 $\pm$ 468.675 χ^2/NDF : 35.9/35

Out: -291.618 $\pm$ 467.876 χ^2/NDF : 43.0/38

All: 256.382 $\pm$ 331.121 χ^2/NDF : 81.7/74

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2081.416+/-0.383 χ^2/NDF : 642708.3/19

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

Left In: 2052.975+/-0.379 χ^2/NDF : 129233.4/18

Left: 2067.020+/-0.269 χ^2/NDF : 774726.2/38

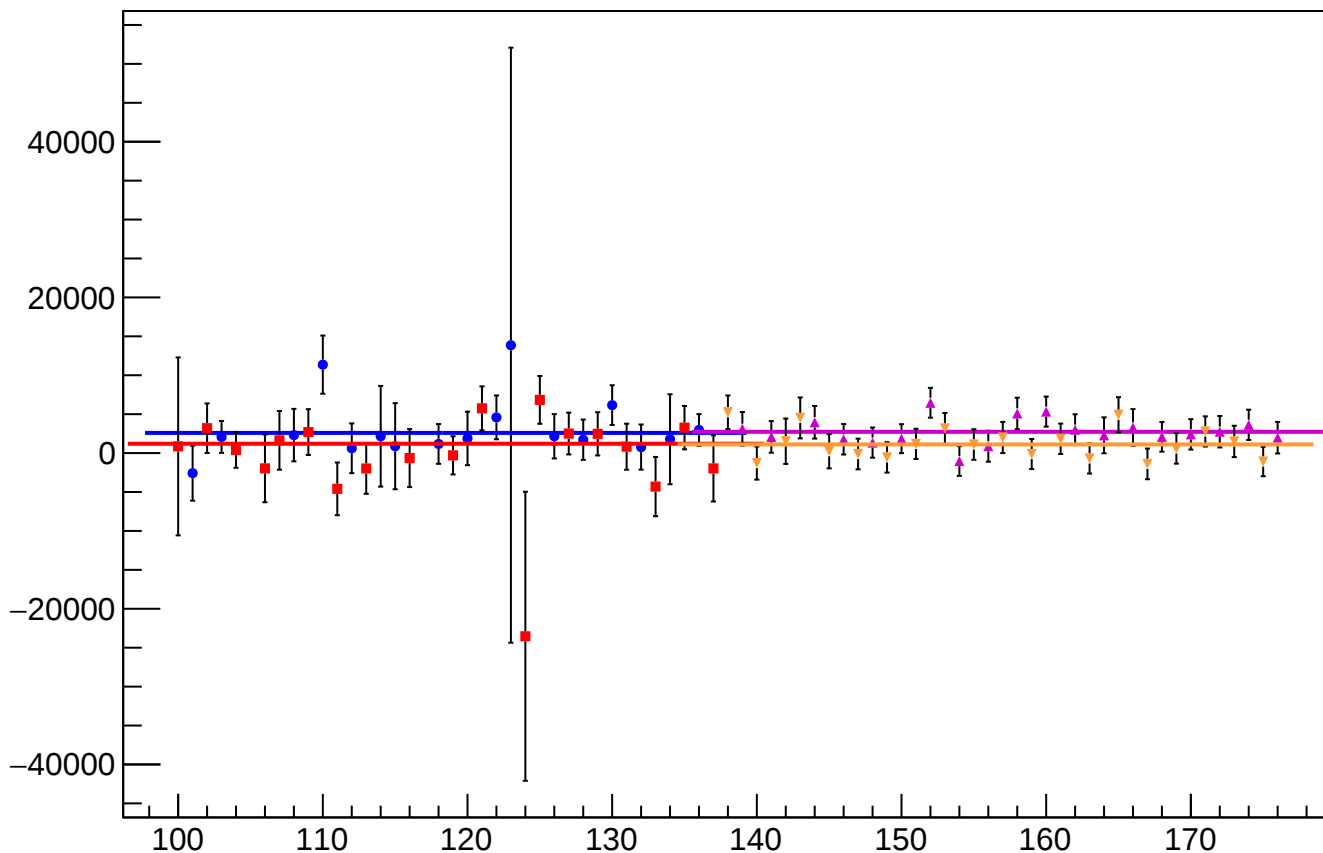
Right: 2397.684+/-0.473 χ^2/NDF : 1131146.9/35

In: 2142.975+/-0.331 χ^2/NDF : 839087.8/35

Out: 2153.108+/-0.331 χ^2/NDF : 1435300.4/38

All: 2148.050+/-0.234 χ^2/NDF : 2274856.4/74

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2594.684+/-743.000 χ^2/NDF : 11.7/16

Left Out: 1114.024+/-458.417 χ^2/NDF : 17.2/19

Right Out: 1202.548+/-739.618 χ^2/NDF : 17.2/18

Left In: 2734.401+/-459.889 χ^2/NDF : 13.7/18

Left: 1921.614+/-324.669 χ^2/NDF : 37.2/38

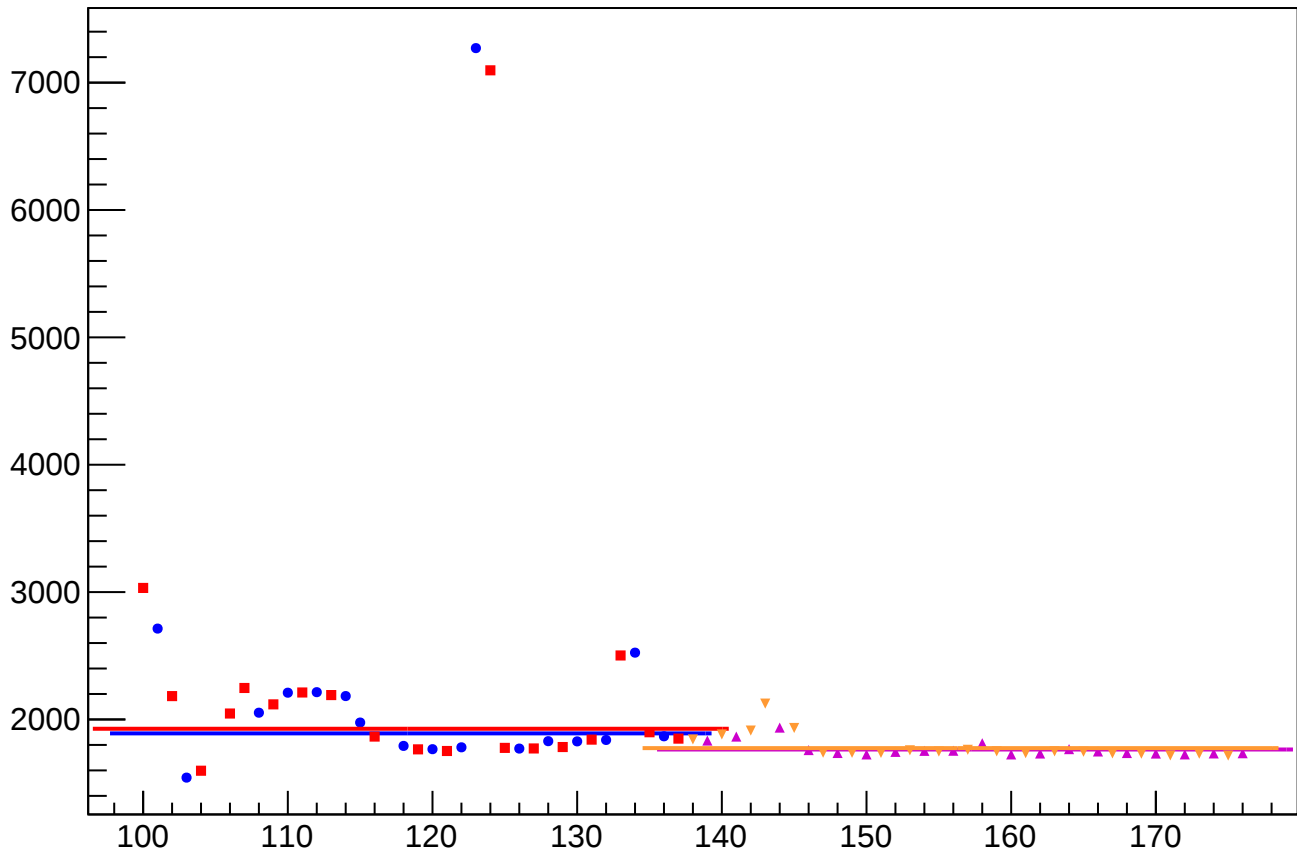
Right: 1895.439+/-524.180 χ^2/NDF : 30.7/35

In: 2695.700+/-391.043 χ^2/NDF : 25.4/35

Out: 1138.593+/-389.644 χ^2/NDF : 34.5/38

All: 1914.357+/-276.013 χ^2/NDF : 67.9/74

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1774.920+/-0.324 χ^2/NDF : 68430.7/19

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

Left In: 1764.106+/-0.325 χ^2/NDF : 27341.9/18

Left: 1769.530+/-0.230 χ^2/NDF : 96327.3/38

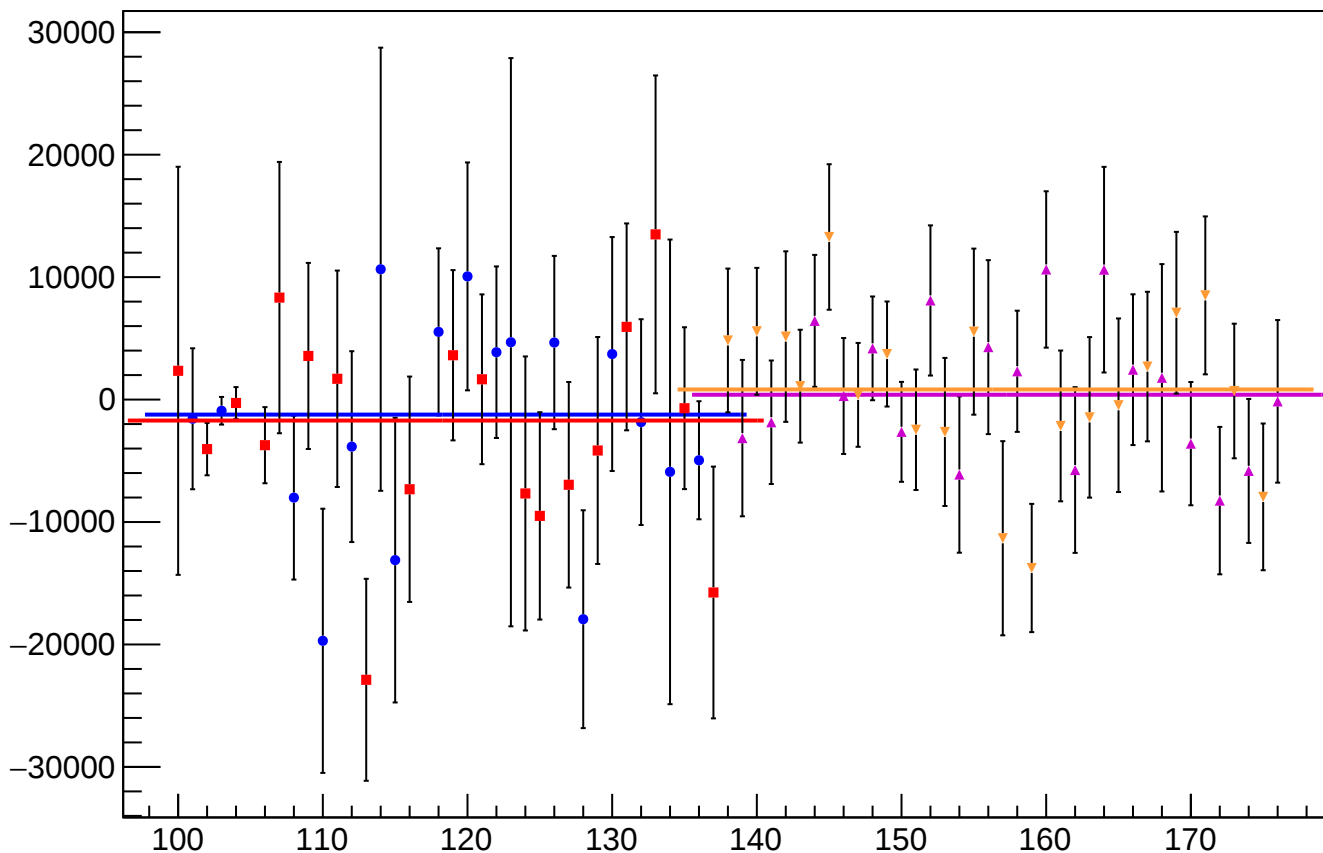
Right: 1908.946+/-0.370 χ^2/NDF : 653591.4/35

In: 1799.178+/-0.277 χ^2/NDF : 358278.6/35

Out: 1817.209+/-0.275 χ^2/NDF : 491874.0/38

All: 1808.230+/-0.195 χ^2/NDF : 852287.4/74

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 825.843 $\pm$ 1270.750 χ^2 /NDF:22.9/19

Right Out: -1711.747 $\pm$ 941.580 χ^2 /NDF: 17.8/18

Left In: 395.308 $\pm$ 1304.461 χ^2 /NDF:15.0/18

Left: 616.210 $\pm$ 910.241 χ^2 /NDF: 37.9/38

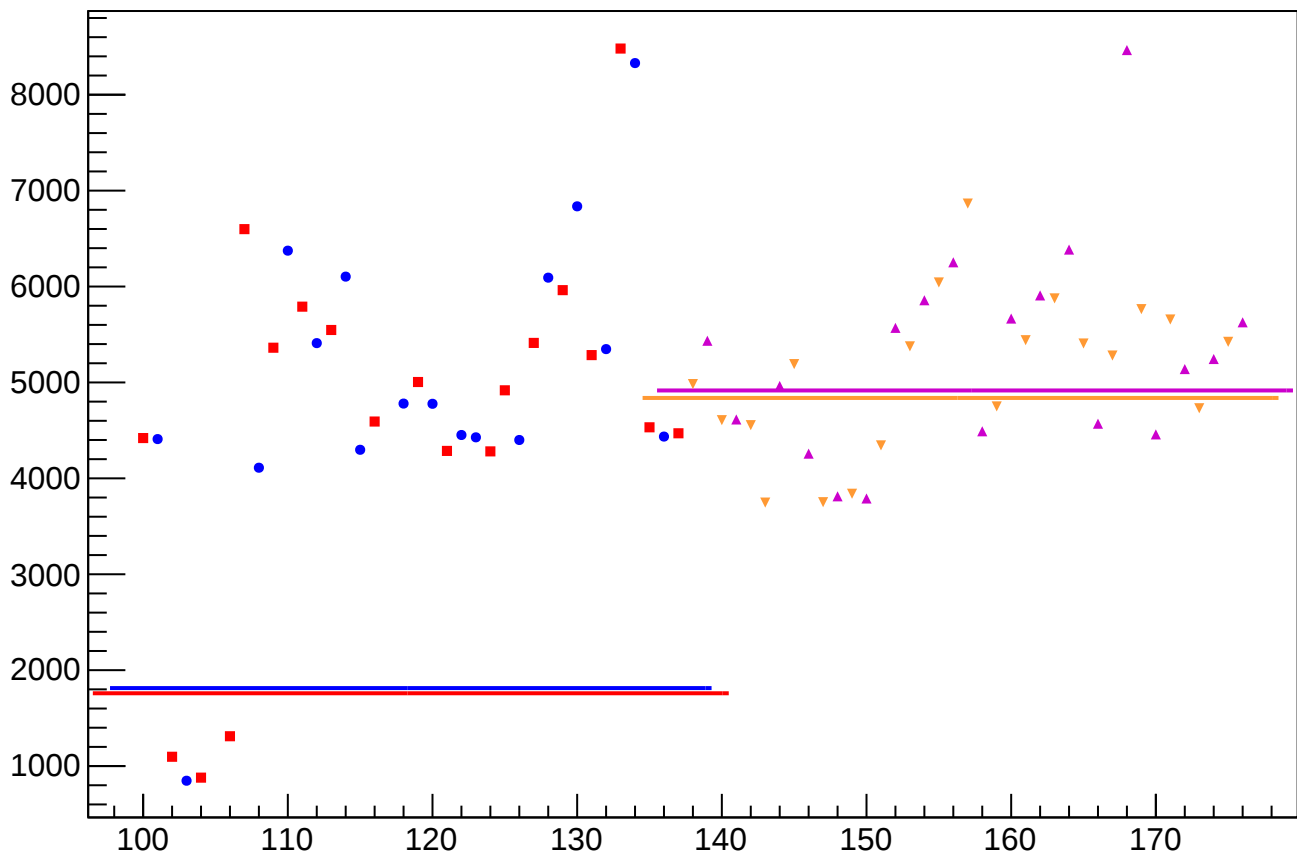
Right: -1480.155 $\pm$ 680.499 χ^2 /NDF: 31.8/35

In: -638.141 $\pm$ 785.869 χ^2 /NDF:29.8/35

Out: -812.339 $\pm$ 756.533 χ^2 /NDF:43.2/38

All: -728.552 $\pm$ 545.026 χ^2 /NDF: 73.1/74

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4838.348+/-0.899 χ^2/NDF : 781764.3/19

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

Left In: 4916.450+/-0.922 χ^2/NDF : 977717.3/18

Left: 4876.377+/-0.644 χ^2/NDF : 1763160.2/38

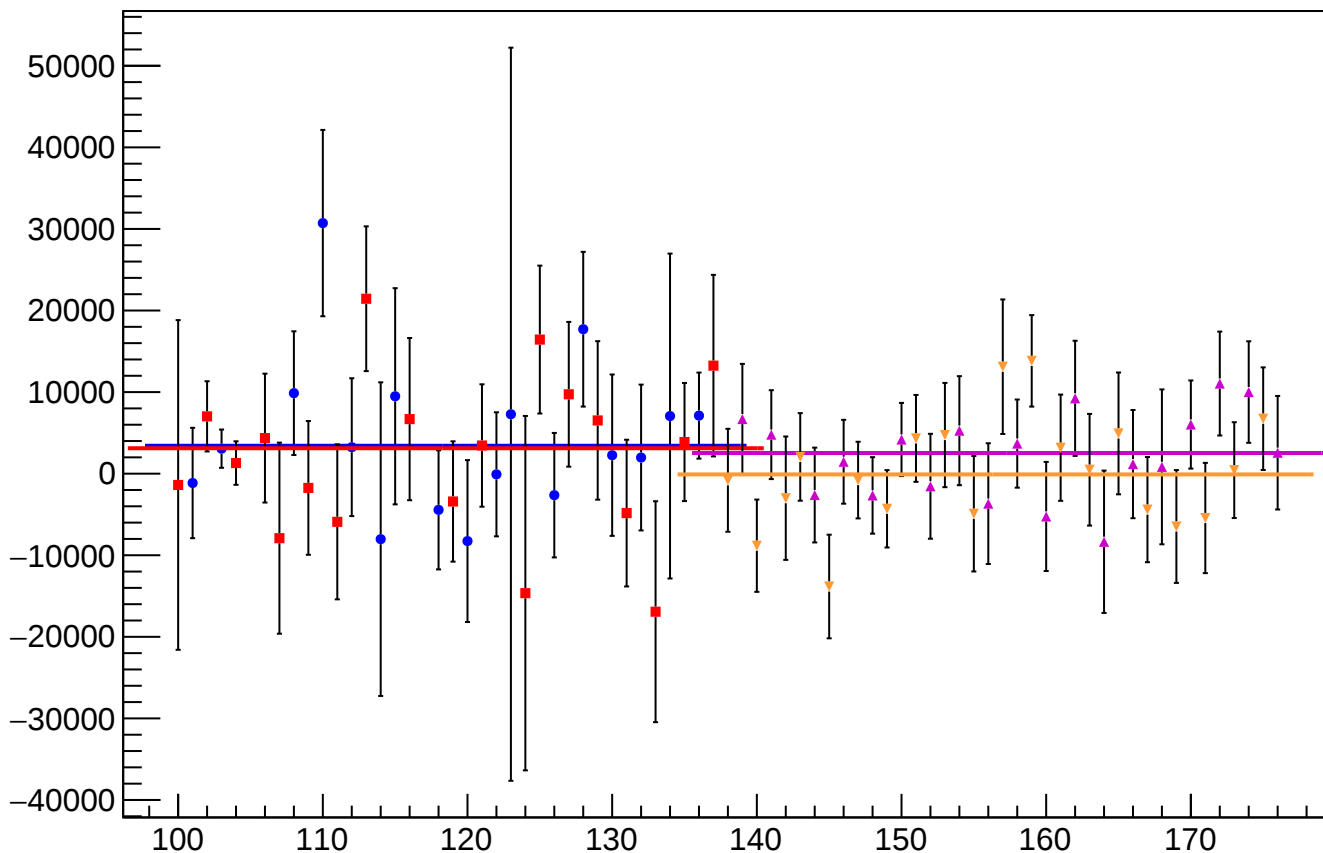
Right: 1784.958+/-0.481 χ^2/NDF : 12765256.3/35

In: 2939.499+/-0.556 χ^2/NDF : 14637513.2/35

Out: 2850.513+/-0.535 χ^2/NDF : 14675898.3/38

All: 2893.314+/-0.385 χ^2/NDF : 29326720.8/74

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -90.792+/-1369.296 χ^2/NDF : 22.5/19

Right Out: 3117.857+/-1605.930 χ^2/NDF : 16.0/18

Left In: 2532.640+/-1397.372 χ^2/NDF : 11.6/18

Left: 1194.303+/-978.014 χ^2/NDF : 35.9/38

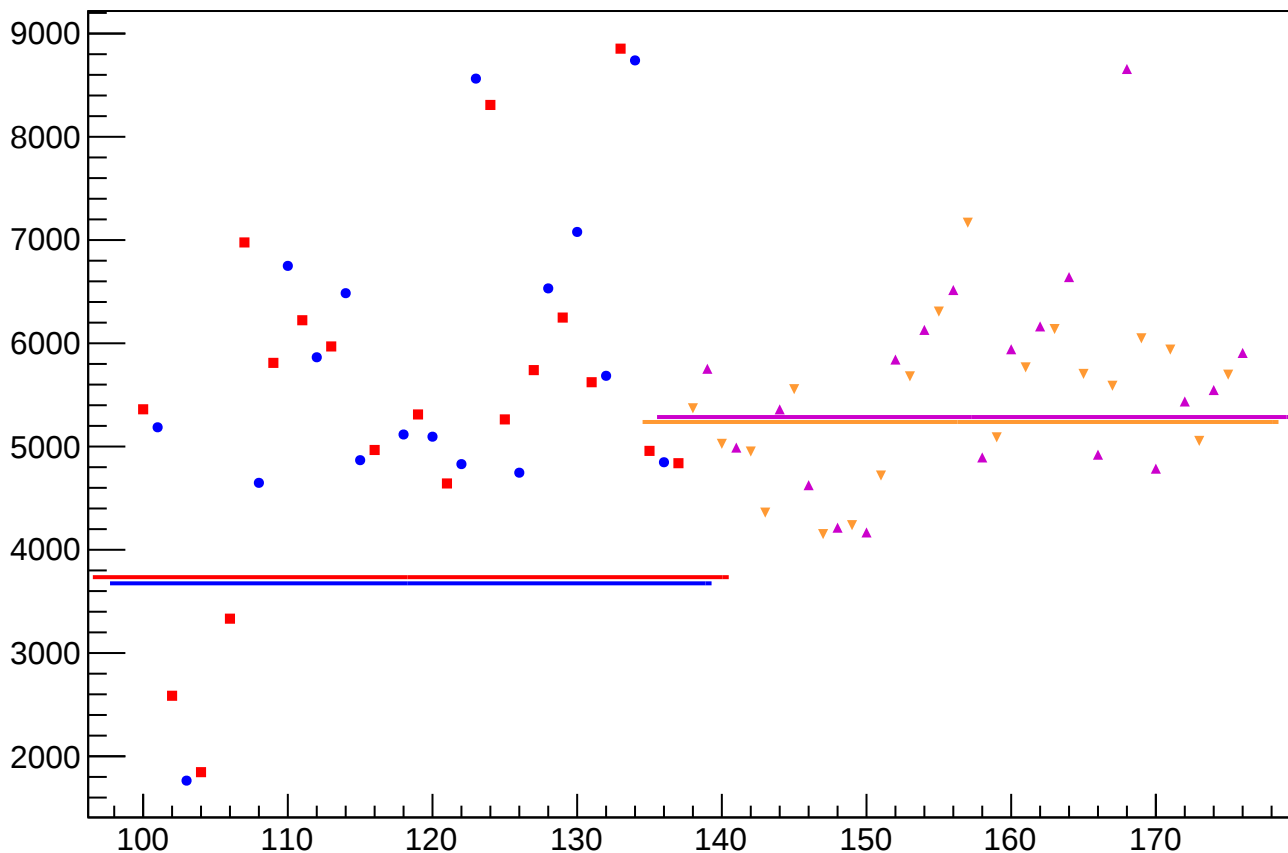
Right: 3269.490+/-1135.828 χ^2/NDF : 29.7/35

In: 2915.337+/-1054.380 χ^2/NDF : 25.5/35

Out: 1259.937+/-1041.957 χ^2/NDF : 40.8/38

All: 2077.827+/-741.128 χ^2/NDF : 67.5/74

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2 /NDF: 2775085.7/16

Left Out: 5237.879 $\pm$ 0.968 χ^2 /NDF: 569034.4/19

Right Out: 3734.796 $\pm$ 1.128 χ^2 /NDF: 2693929.0/18

Left In: 5285.797 $\pm$ 0.988 χ^2 /NDF: 784537.7/18

Left: 5261.352 $\pm$ 0.692 χ^2 /NDF: 1354771.9/38

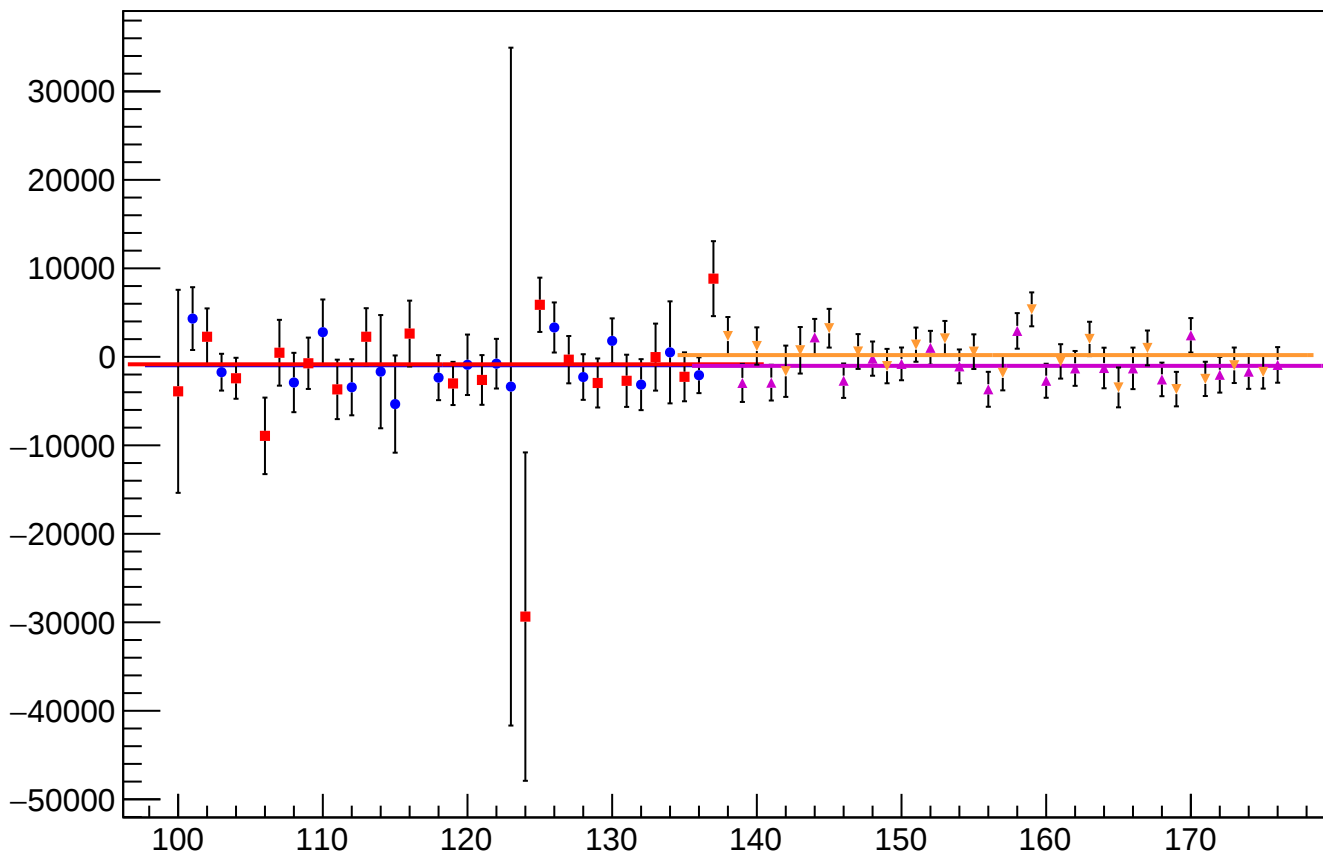
Right: 3705.112 $\pm$ 0.800 χ^2 /NDF: 5470409.5/35

In: 4592.089 $\pm$ 0.746 χ^2 /NDF: 4704140.8/35

Out: 4600.246 $\pm$ 0.735 χ^2 /NDF: 4285288.3/38

All: 4596.227 $\pm$ 0.523 χ^2 /NDF: 8989489.8/74

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 197.774 ± 456.657 χ^2/NDF : 24.7/19

Right Out: -843.515 ± 737.527 χ^2/NDF : 22.5/18

Left In: -1017.322 ± 458.006 χ^2/NDF : 16.8/18

Left: -407.981 ± 323.381 χ^2/NDF : 45.0/38

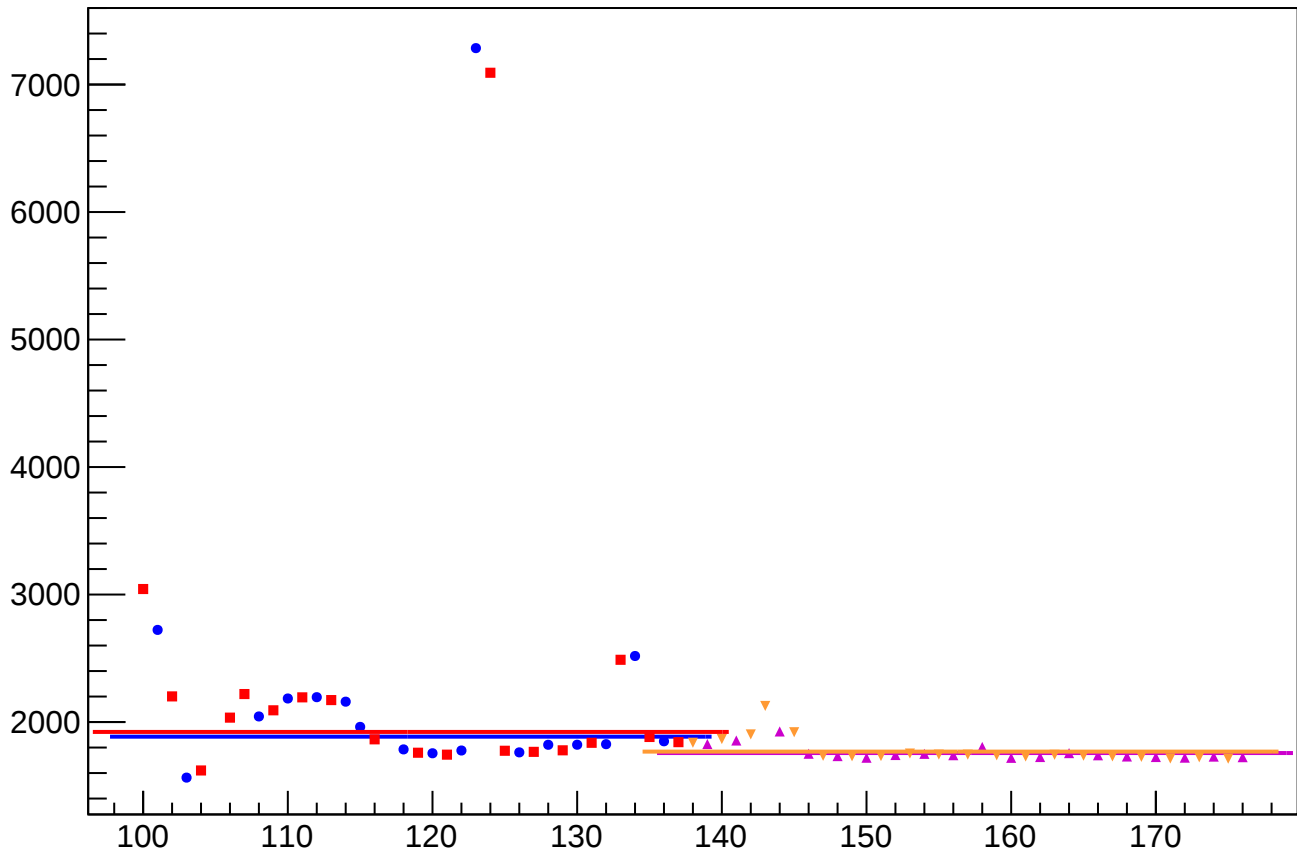
Right: -897.217 ± 522.617 χ^2/NDF : 32.5/35

In: -999.081 ± 389.545 χ^2/NDF : 26.8/35

Out: -90.799 ± 388.258 χ^2/NDF : 48.6/38

All: -543.436 ± 274.994 χ^2/NDF : 78.1/74

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1768.160+/-0.323 χ^2/NDF : 68099.1/19

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

Left In: 1756.912+/-0.324 χ^2/NDF : 26517.7/18

Left: 1762.553+/-0.229 χ^2/NDF : 95221.6/38

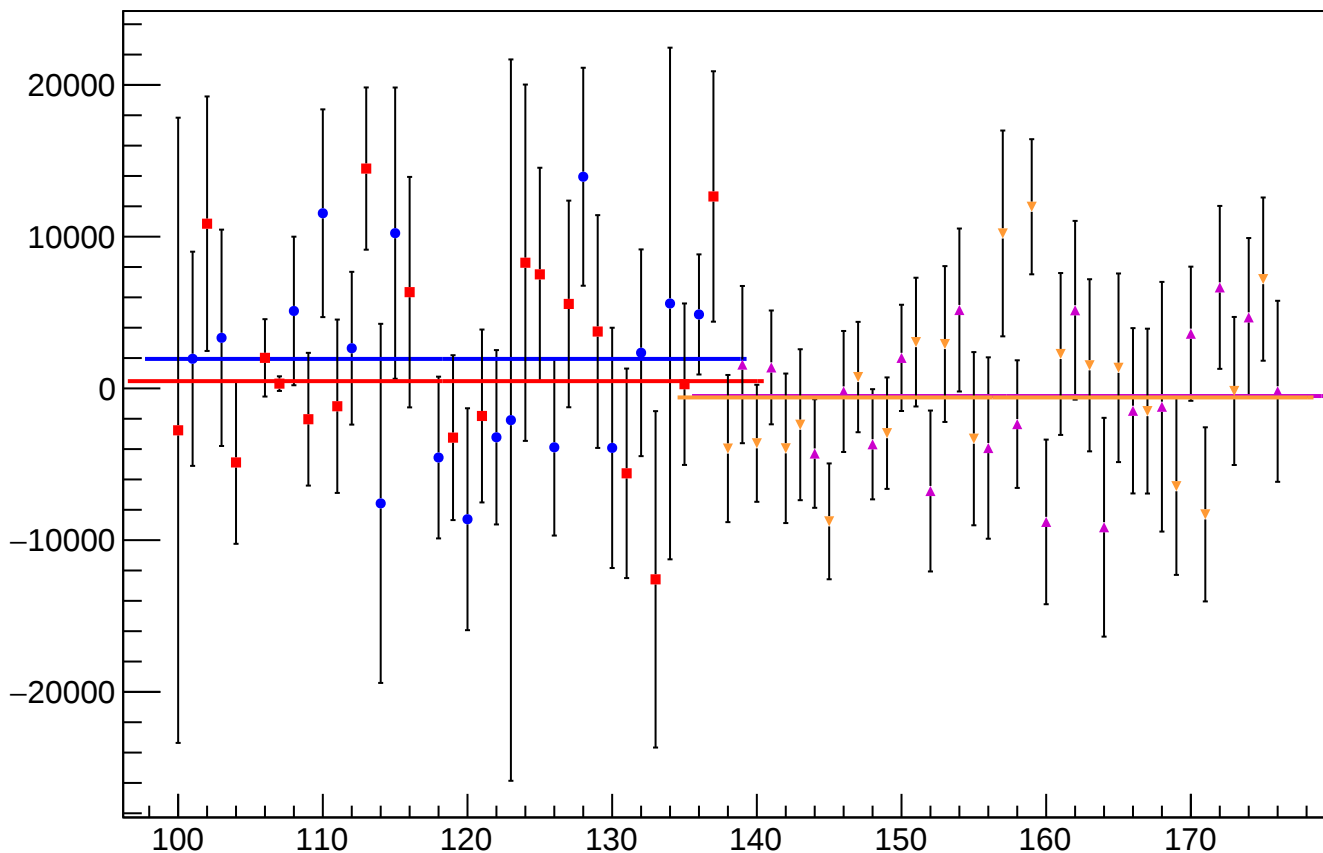
Right: 1904.057+/-0.369 χ^2/NDF : 634475.3/35

In: 1792.442+/-0.275 χ^2/NDF : 350458.7/35

Out: 1811.039+/-0.274 χ^2/NDF : 483098.7/38

All: 1801.776+/-0.194 χ^2/NDF : 835845.1/74

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -595.477+/-1073.144 χ^2/NDF : 24.2/19

Right Out: 478.828+/-453.684 χ^2/NDF : 18.1/18

Left In: -502.311+/-1089.364 χ^2/NDF : 14.2/18

Left: -549.593+/-764.498 χ^2/NDF : 38.4/38

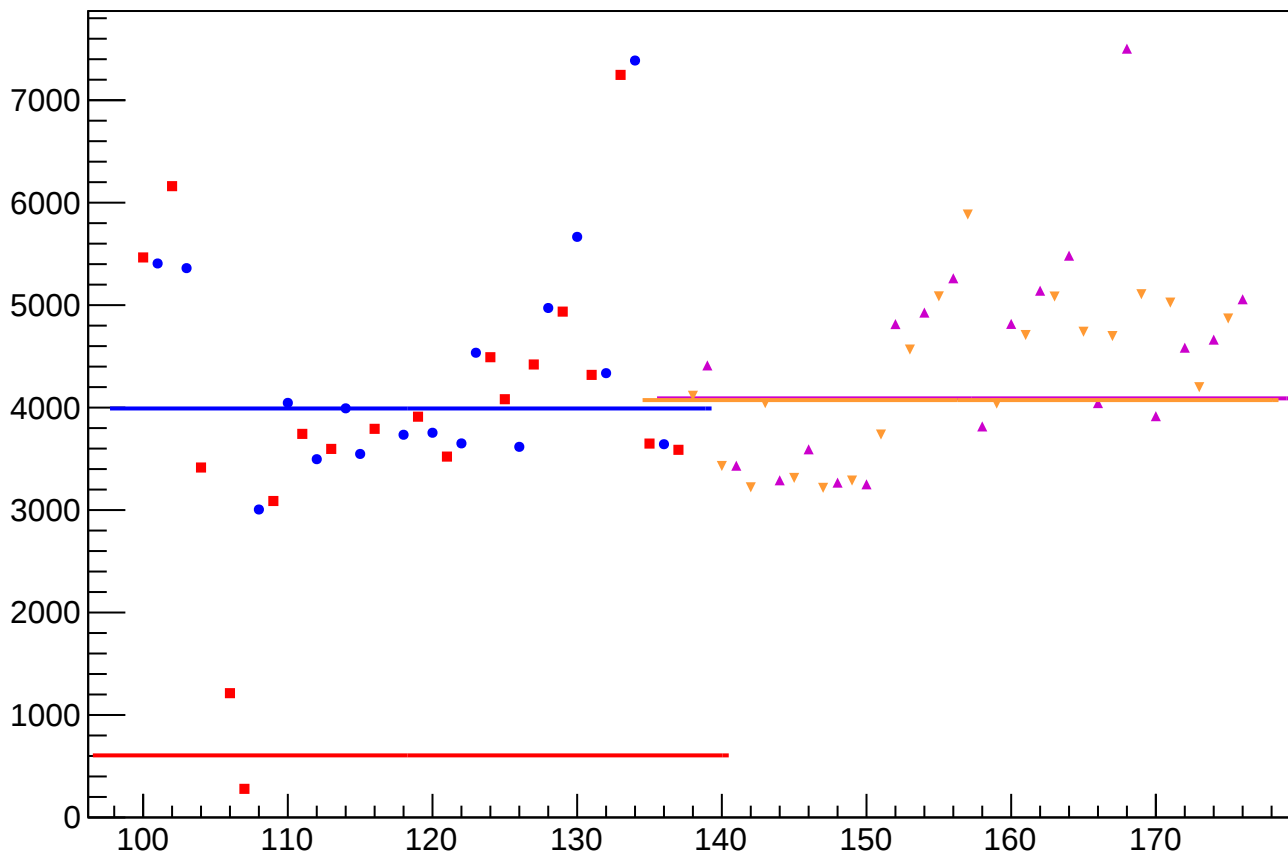
Right: 590.230+/-436.086 χ^2/NDF : 32.0/35

In: 284.919+/-897.049 χ^2/NDF : 29.0/35

Out: 315.934+/-417.876 χ^2/NDF : 43.1/38

All: 310.404+/-378.793 χ^2/NDF : 72.2/74

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 4073.235+/-0.759 χ^2/NDF : 937706.0/19

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

Left In: 4090.076+/-0.770 χ^2/NDF : 1204062.1/18

Left: 4081.529+/-0.541 χ^2/NDF : 2142010.7/38

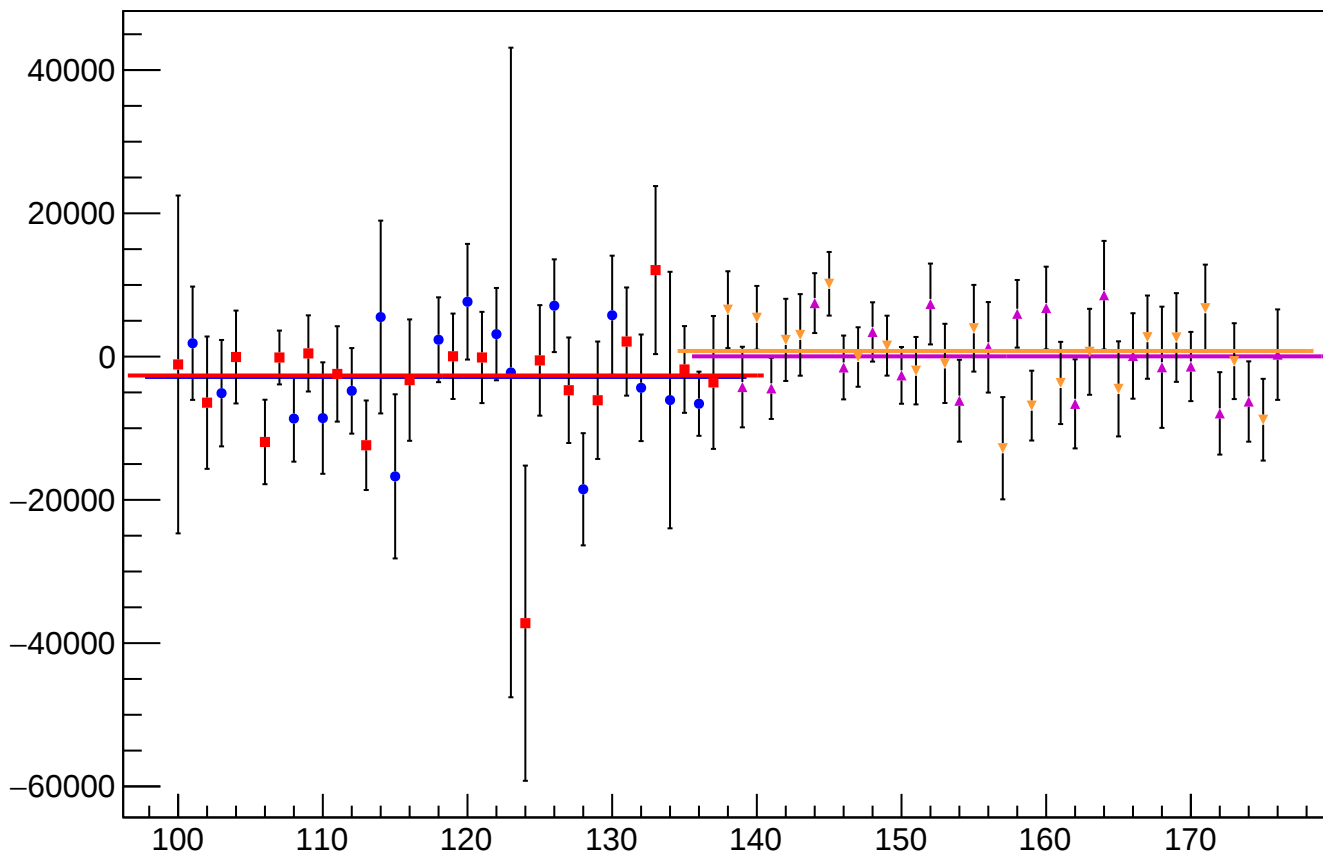
Right: 863.300+/-0.308 χ^2/NDF : 19230863.1/35

In: 4058.316+/-0.634 χ^2/NDF : 1720125.6/35

Out: 1131.500+/-0.295 χ^2/NDF : 28899014.1/38

All: 1653.375+/-0.268 χ^2/NDF : 48113466.4/71

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599 ± 1786.019 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 786.410 ± 1187.493 $\chi^2/\text{NDF}: 19.1/19$

Right Out: -2637.071 ± 1575.105 $\chi^2/\text{NDF}: 11.2/18$

Left In: 32.390 ± 1201.022 $\chi^2/\text{NDF}: 17.6/18$

Left: 413.671 ± 844.427 $\chi^2/\text{NDF}: 36.9/38$

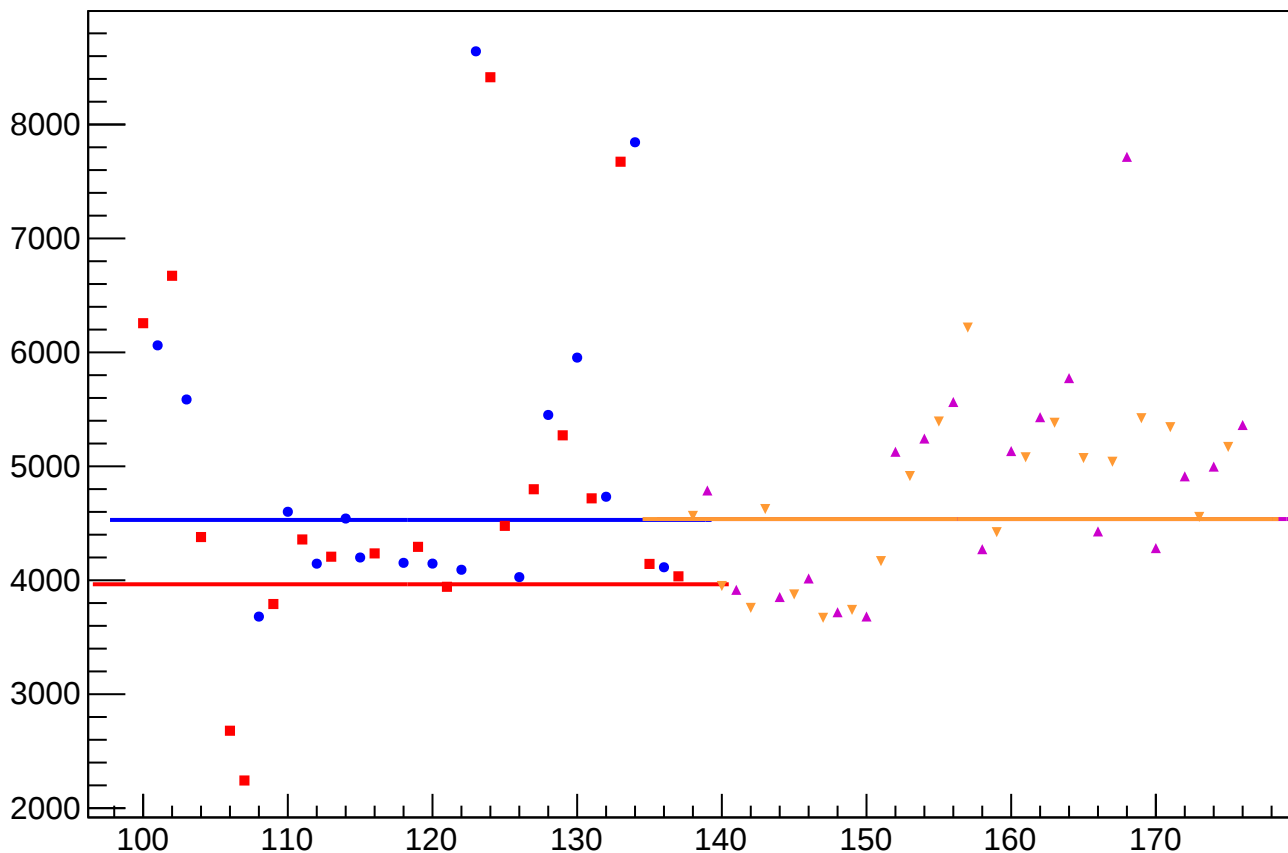
Right: -2725.676 ± 1181.334 $\chi^2/\text{NDF}: 26.6/35$

In: -861.917 ± 996.639 $\chi^2/\text{NDF}: 34.8/35$

Out: -454.266 ± 948.210 $\chi^2/\text{NDF}: 33.3/38$

All: -647.947 ± 686.969 $\chi^2/\text{NDF}: 68.2/74$

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4537.291 $\pm$ 0.840 χ^2 /NDF: 636286.4/19

Right Out: 3964.829 $\pm$ 1.107 χ^2 /NDF: 1140409.6/18

Left In: 4537.268 $\pm$ 0.849 χ^2 /NDF: 870809.0/18

Left: 4537.280 $\pm$ 0.597 χ^2 /NDF: 1507095.4/38

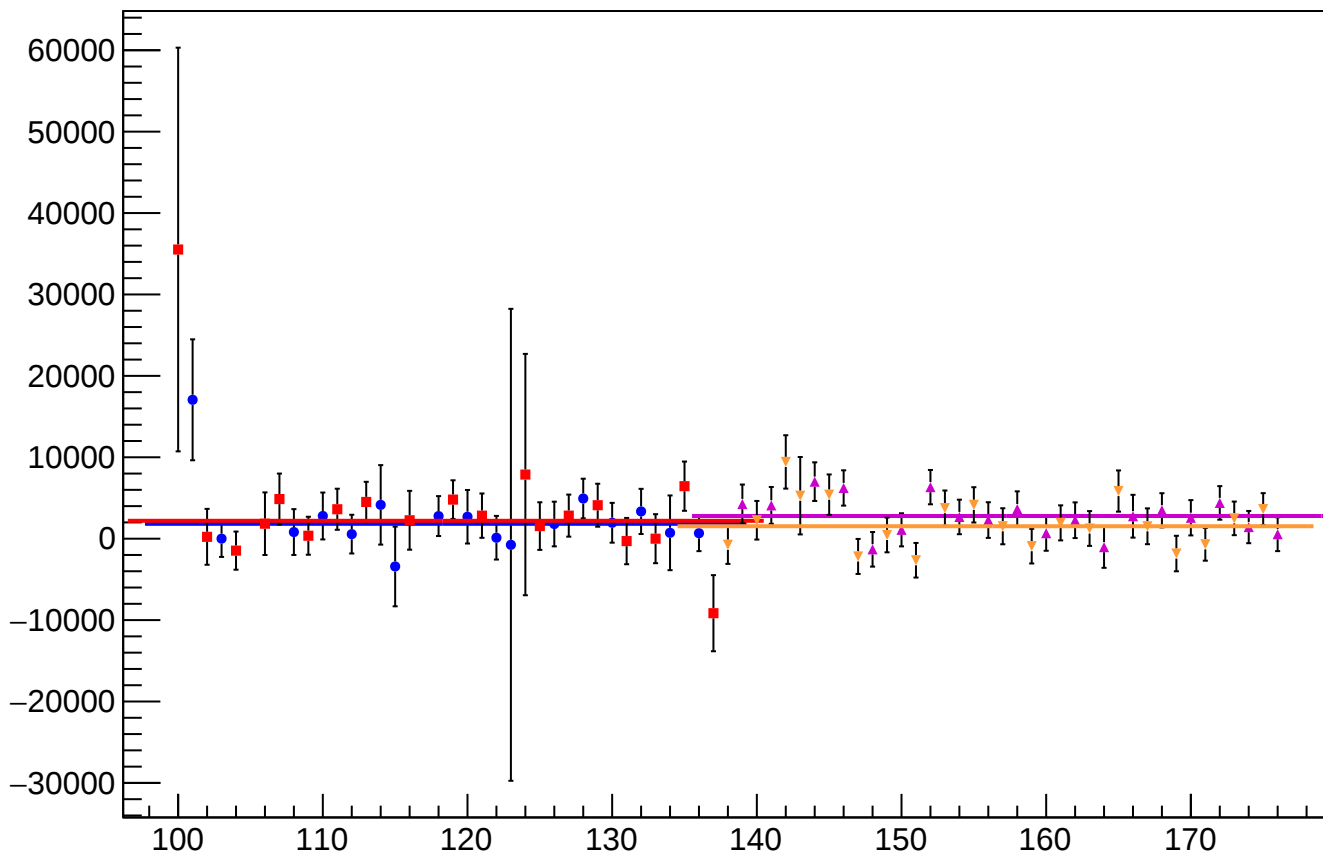
Right: 4210.073 $\pm$ 0.832 χ^2 /NDF: 1642804.6/35

In: 4534.837 $\pm$ 0.705 χ^2 /NDF: 1260161.5/35

Out: 4328.131 $\pm$ 0.669 χ^2 /NDF: 1946517.6/38

All: 4426.100 $\pm$ 0.485 χ^2 /NDF: 3251936.5/74

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 1530.881 $\pm$ 505.270 χ^2 /NDF:28.8/19

Right Out: 2198.063 $\pm$ 684.205 χ^2 /NDF: 18.3/18

Left In: 2785.900 $\pm$ 501.629 χ^2 /NDF:19.5/18

Left: 2162.928 $\pm$ 355.986 χ^2 /NDF: 51.4/38

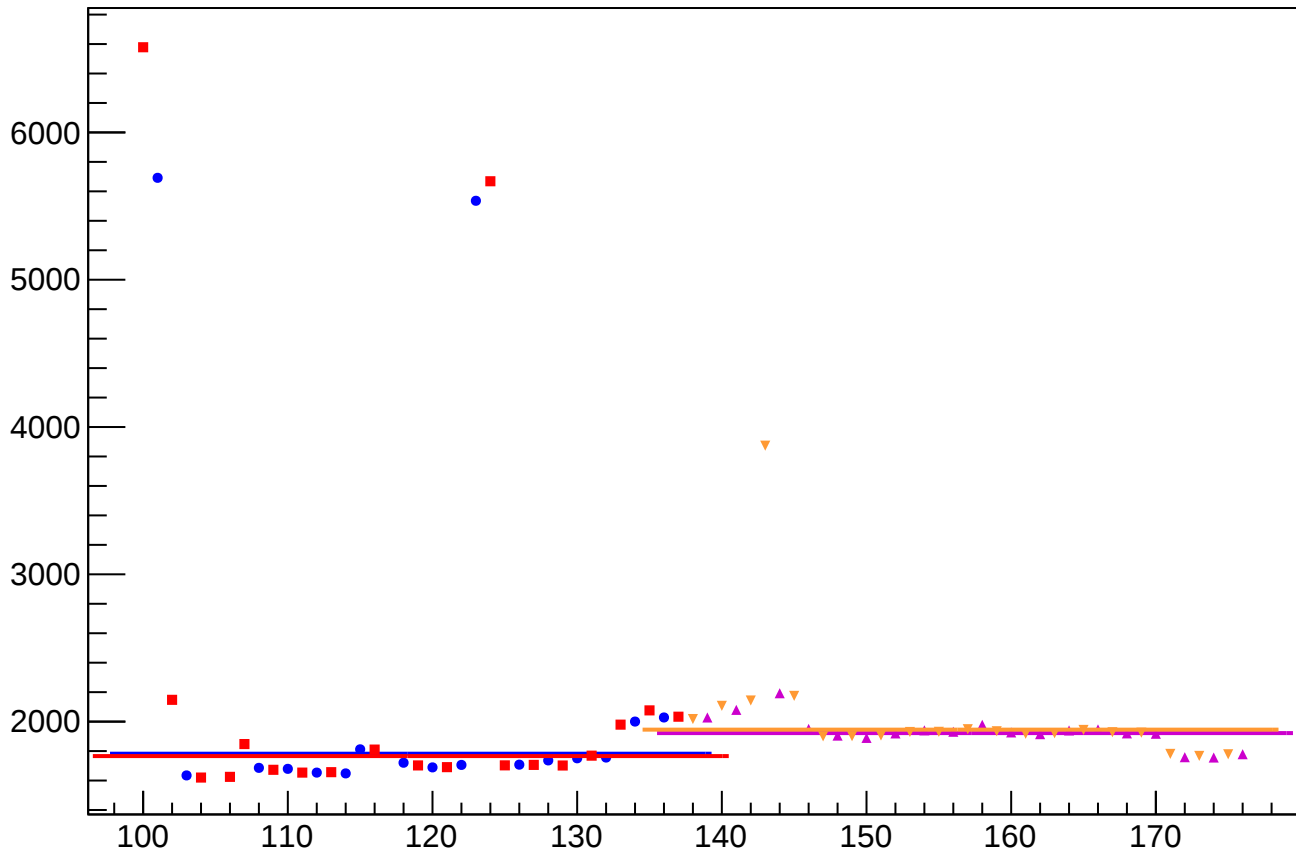
Right: 2021.233 $\pm$ 493.118 χ^2 /NDF: 28.2/35

In: 2468.450 $\pm$ 409.948 χ^2 /NDF:30.4/35

Out: 1766.327 $\pm$ 406.453 χ^2 /NDF:47.7/38

All: 2114.383 $\pm$ 288.633 χ^2 /NDF: 79.6/74

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137 $\pm$ 0.503 χ^2 /NDF: 645188.8/16

Left Out: 1945.504 $\pm$ 0.357 χ^2 /NDF:411098.1/19

Right Out: 1765.967 $\pm$ 0.480 χ^2 /NDF: 306798.2/18

Left In: 1922.067 $\pm$ 0.355 χ^2 /NDF:78634.7/18

Left: 1933.701 $\pm$ 0.252 χ^2 /NDF: 491900.0/38

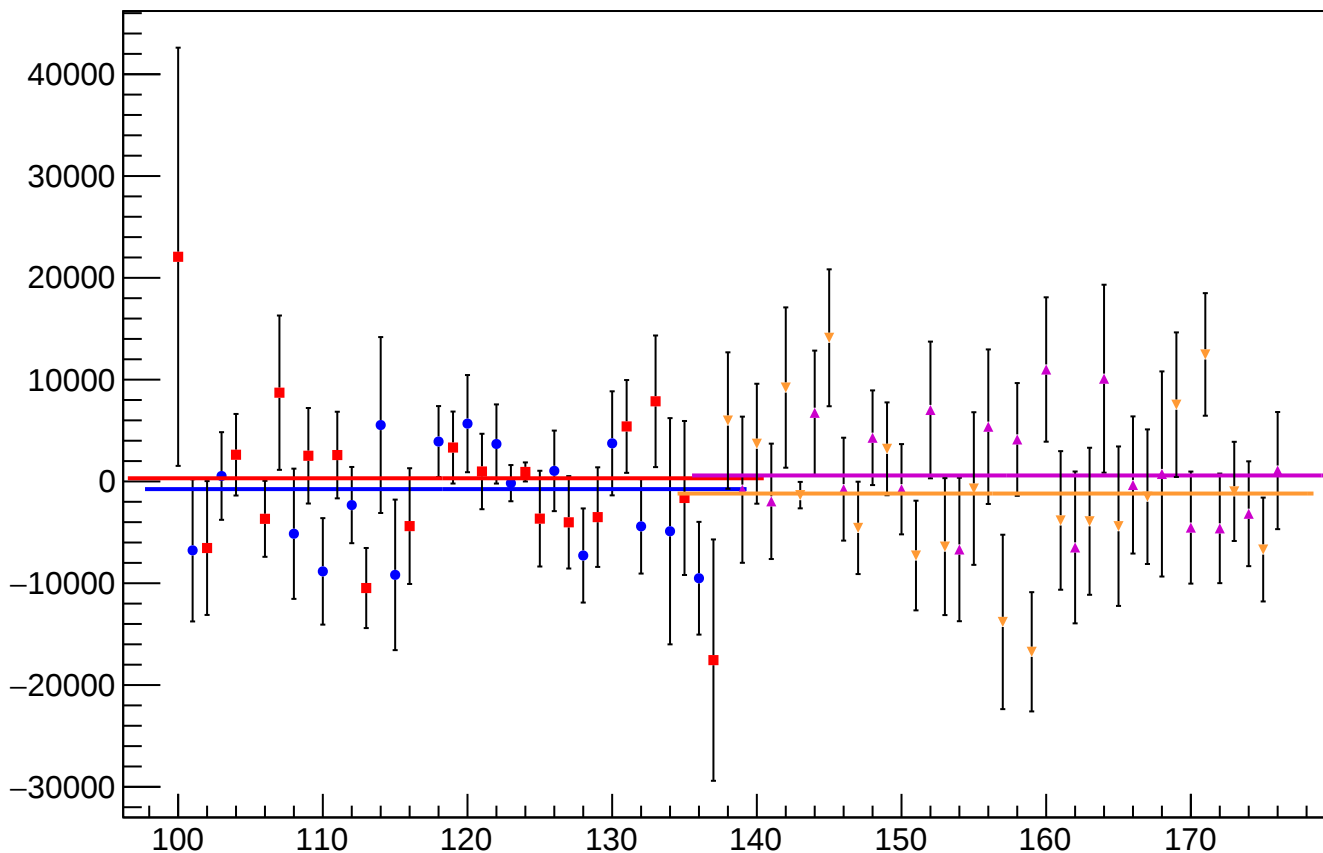
Right: 1773.682 $\pm$ 0.347 χ^2 /NDF: 952527.4/35

In: 1875.592 $\pm$ 0.290 χ^2 /NDF:775512.2/35

Out: 1881.582 $\pm$ 0.287 χ^2 /NDF:807803.3/38

All: 1878.620 $\pm$ 0.204 χ^2 /NDF: 1583531.3/74

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -1188.884+/-951.852 χ^2/NDF : 29.6/19

Right Out: 311.405+/-725.132 χ^2/NDF : 22.0/18

Left In: 587.535+/-1382.960 χ^2/NDF : 11.3/18

Left: -617.865+/-784.083 χ^2/NDF : 42.1/38

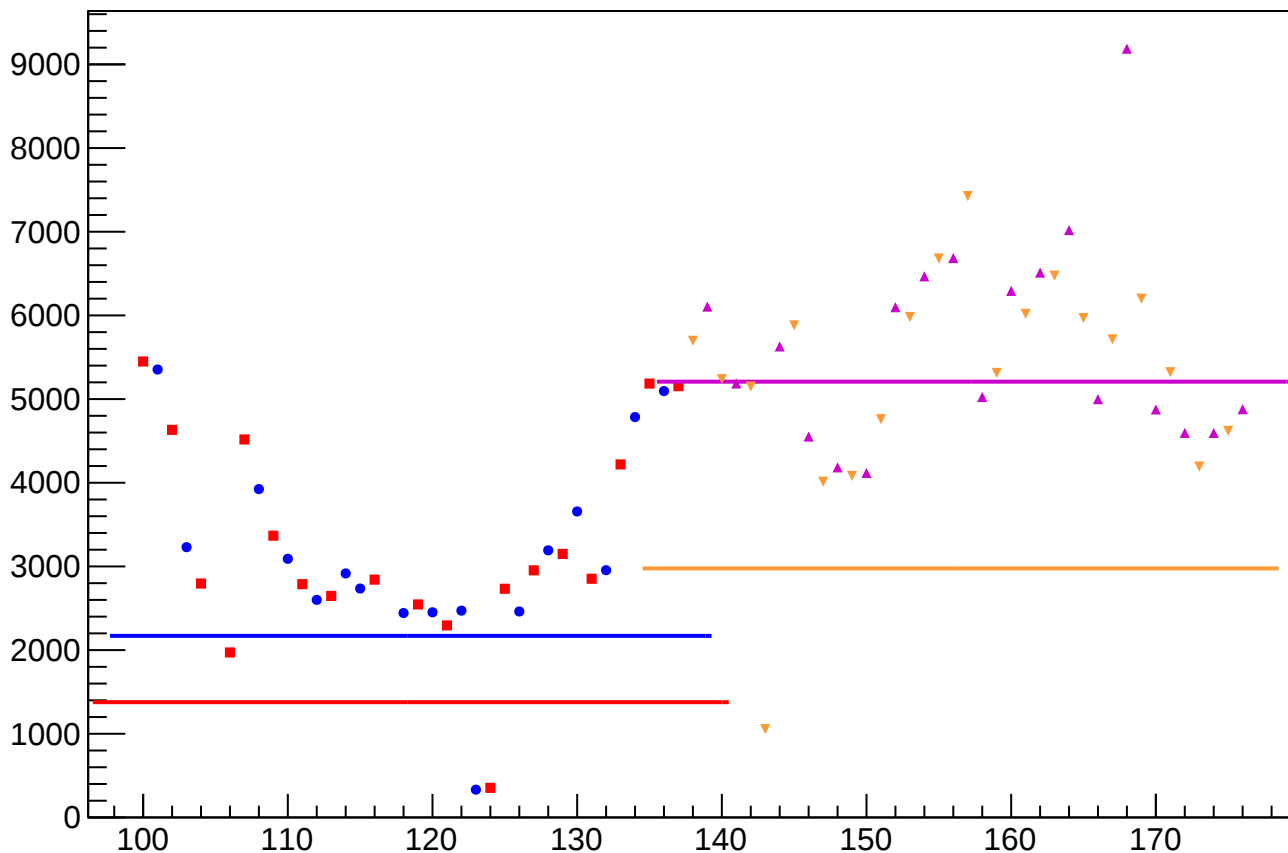
Right: -51.479+/-588.747 χ^2/NDF : 39.7/35

In: -287.878+/-814.862 χ^2/NDF : 28.9/35

Out: -239.548+/-576.819 χ^2/NDF : 53.2/38

All: -255.682+/-470.800 χ^2/NDF : 82.1/74

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2976.269+/-0.673 χ^2/NDF : 10260757.0/19

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

Left In: 5208.189+/-0.978 χ^2/NDF : 1036185.2/18

Left: 3693.706+/-0.554 χ^2/NDF : 14831654.6/38

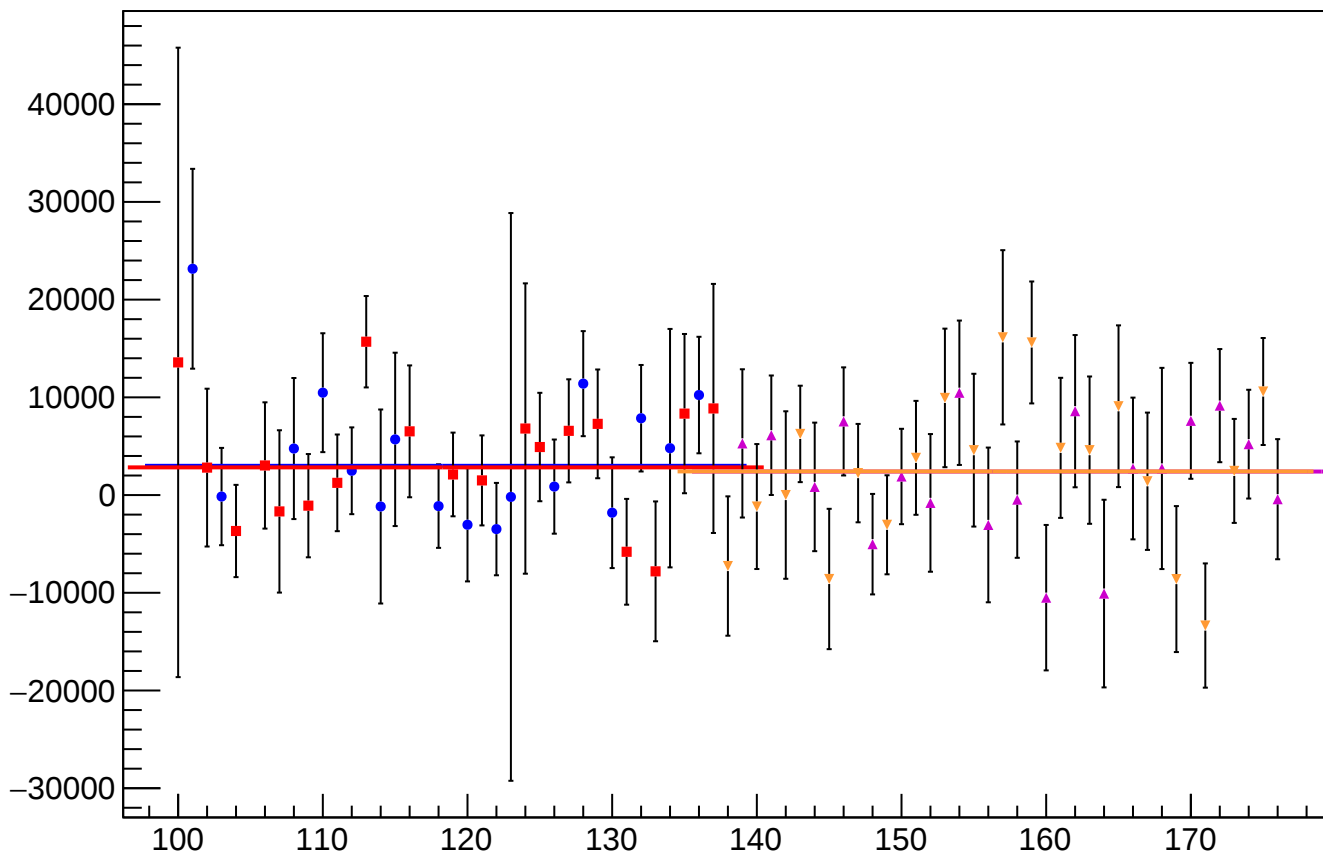
Right: 1647.801+/-0.416 χ^2/NDF : 11635181.2/35

In: 3224.943+/-0.576 χ^2/NDF : 11310307.3/35

Out: 1964.755+/-0.408 χ^2/NDF : 20677408.6/38

All: 2385.424+/-0.333 χ^2/NDF : 35174314.9/71

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 2420.604 $\pm$ 1437.668 χ^2 /NDF:25.9/19

Right Out: 2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

Left In: 2406.599 $\pm$ 1485.452 χ^2 /NDF:13.6/18

Left: 2413.831 $\pm$ 1033.065 χ^2 /NDF: 39.4/38

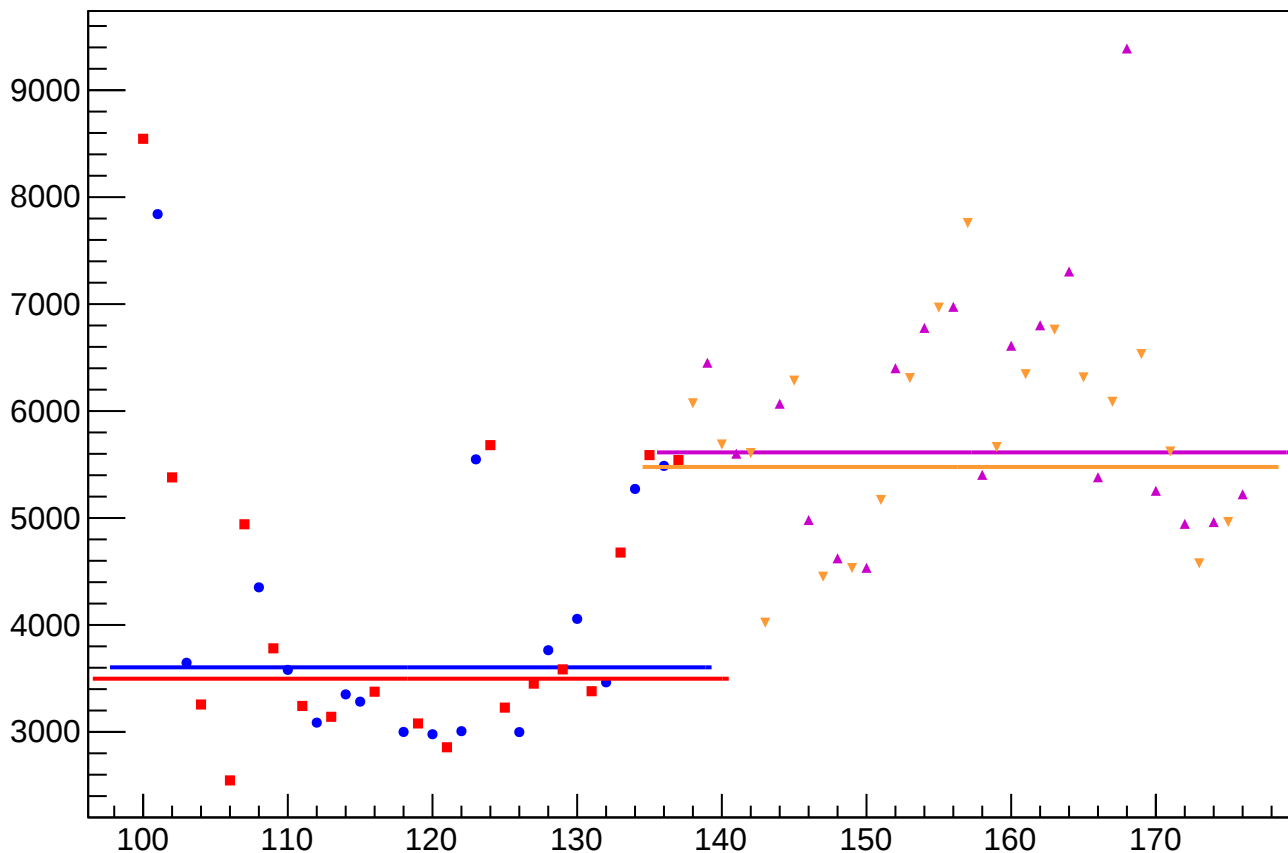
Right: 2909.269 $\pm$ 998.385 χ^2 /NDF: 33.4/35

In: 2707.346 $\pm$ 1036.588 χ^2 /NDF:29.3/35

Out: 2635.584 $\pm$ 995.236 χ^2 /NDF:43.7/38

All: 2670.005 $\pm$ 717.912 χ^2 /NDF: 73.0/74

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 5477.215+/-1.017 χ^2/NDF : 845673.3/19

Right Out: 3497.586+/-0.962 χ^2/NDF : 661898.6/18

Left In: 5613.527+/-1.050 χ^2/NDF : 853402.1/18

Left: 5543.143+/-0.730 χ^2/NDF : 1707771.4/38

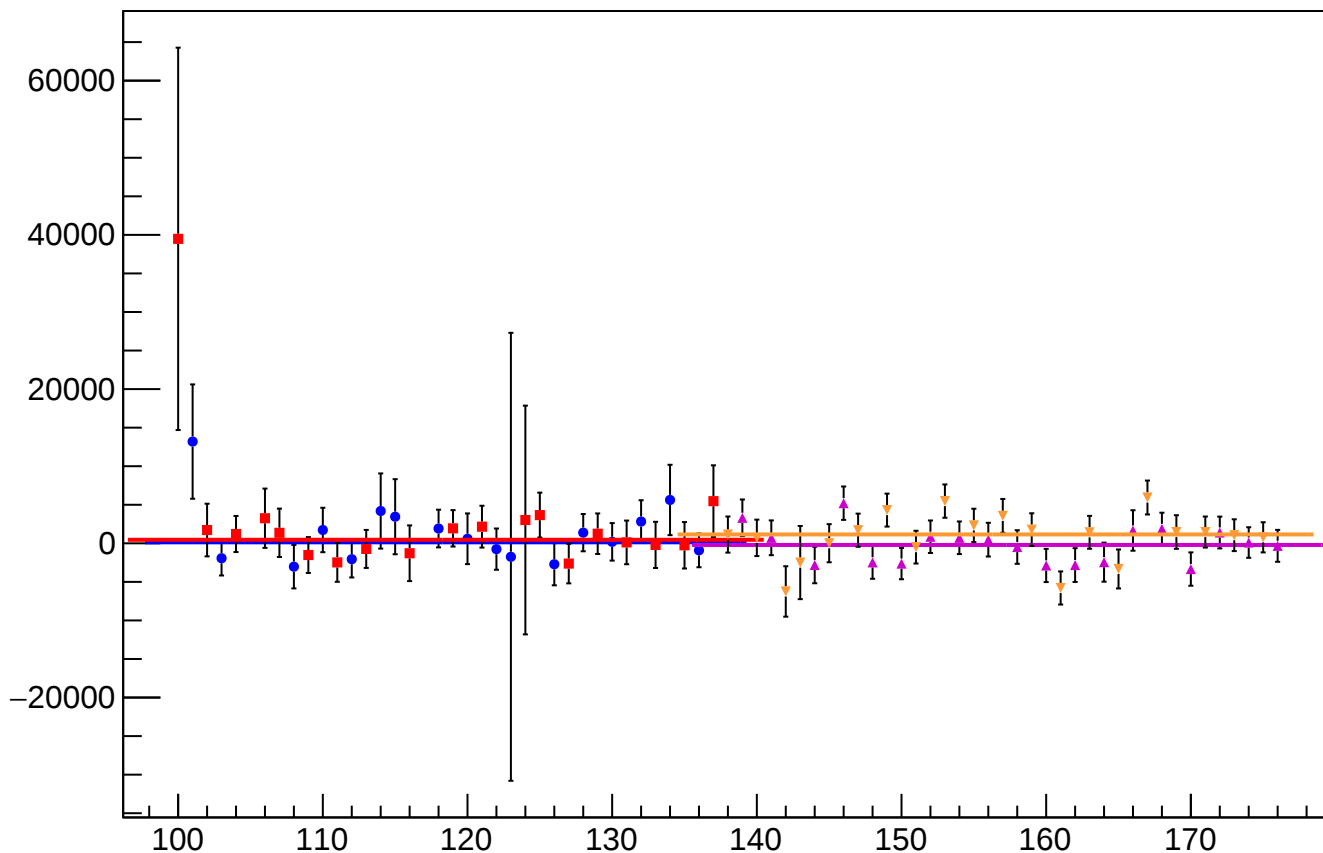
Right: 3547.455+/-0.701 χ^2/NDF : 1452308.2/35

In: 4582.522+/-0.733 χ^2/NDF : 3516020.9/35

Out: 4432.444+/-0.699 χ^2/NDF : 3508897.0/38

All: 4503.881+/-0.506 χ^2/NDF : 7046885.8/74

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1152.340 $\pm$ 504.280 χ^2 /NDF:32.8/19

Right Out: 459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

Left In: -212.723 $\pm$ 500.786 χ^2 /NDF:20.9/18

Left: 465.063 $\pm$ 355.338 χ^2 /NDF: 57.4/38

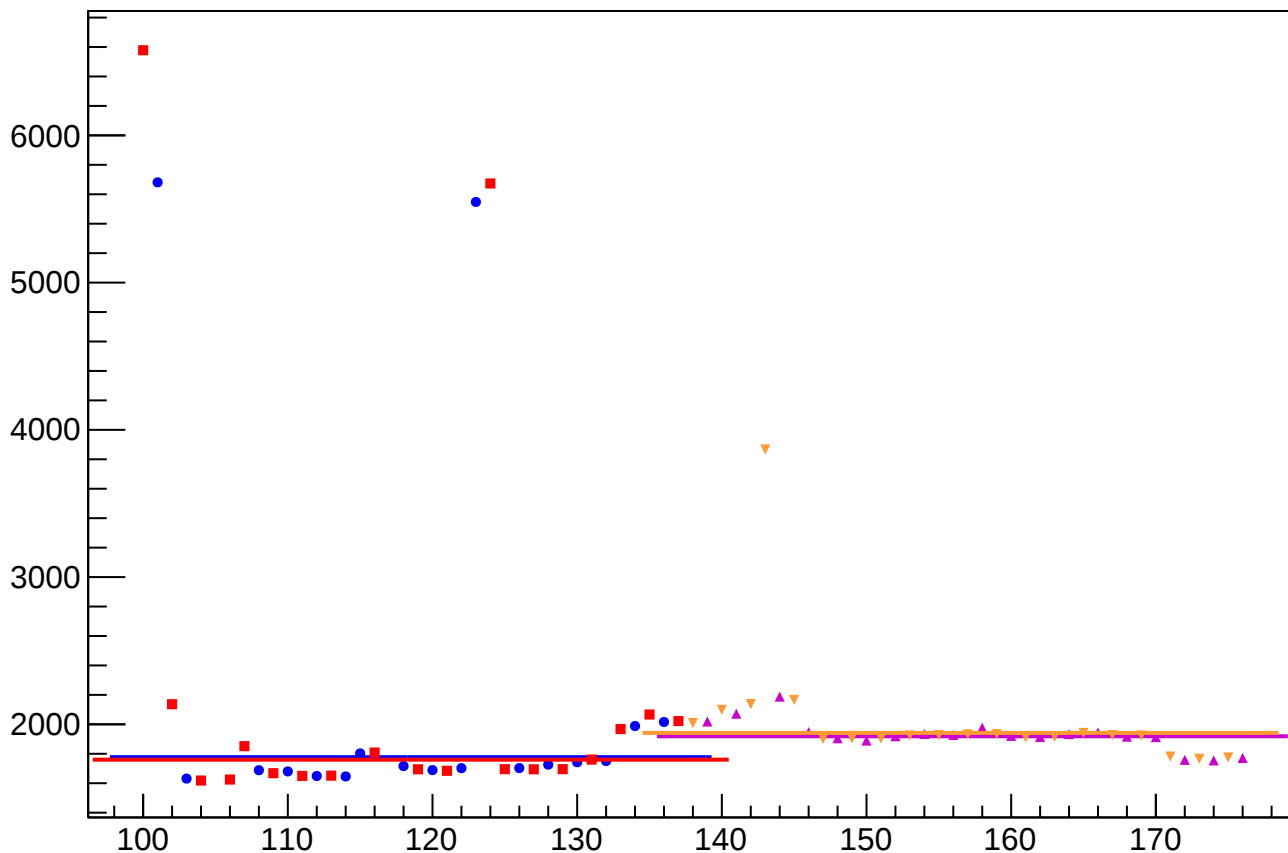
Right: 301.426 $\pm$ 491.524 χ^2 /NDF: 23.0/35

In: -98.391 $\pm$ 409.080 χ^2 /NDF:33.2/35

Out: 907.200 $\pm$ 405.442 χ^2 /NDF:44.2/38

All: 408.896 $\pm$ 287.968 χ^2 /NDF: 80.5/74

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 1941.850+/-0.357 χ^2/NDF : 408234.3/19

Right Out: 1759.990+/-0.479 χ^2/NDF : 306154.6/18

Left In: 1918.895+/-0.354 χ^2/NDF : 77251.9/18

Left: 1930.293+/-0.251 χ^2/NDF : 487572.8/38

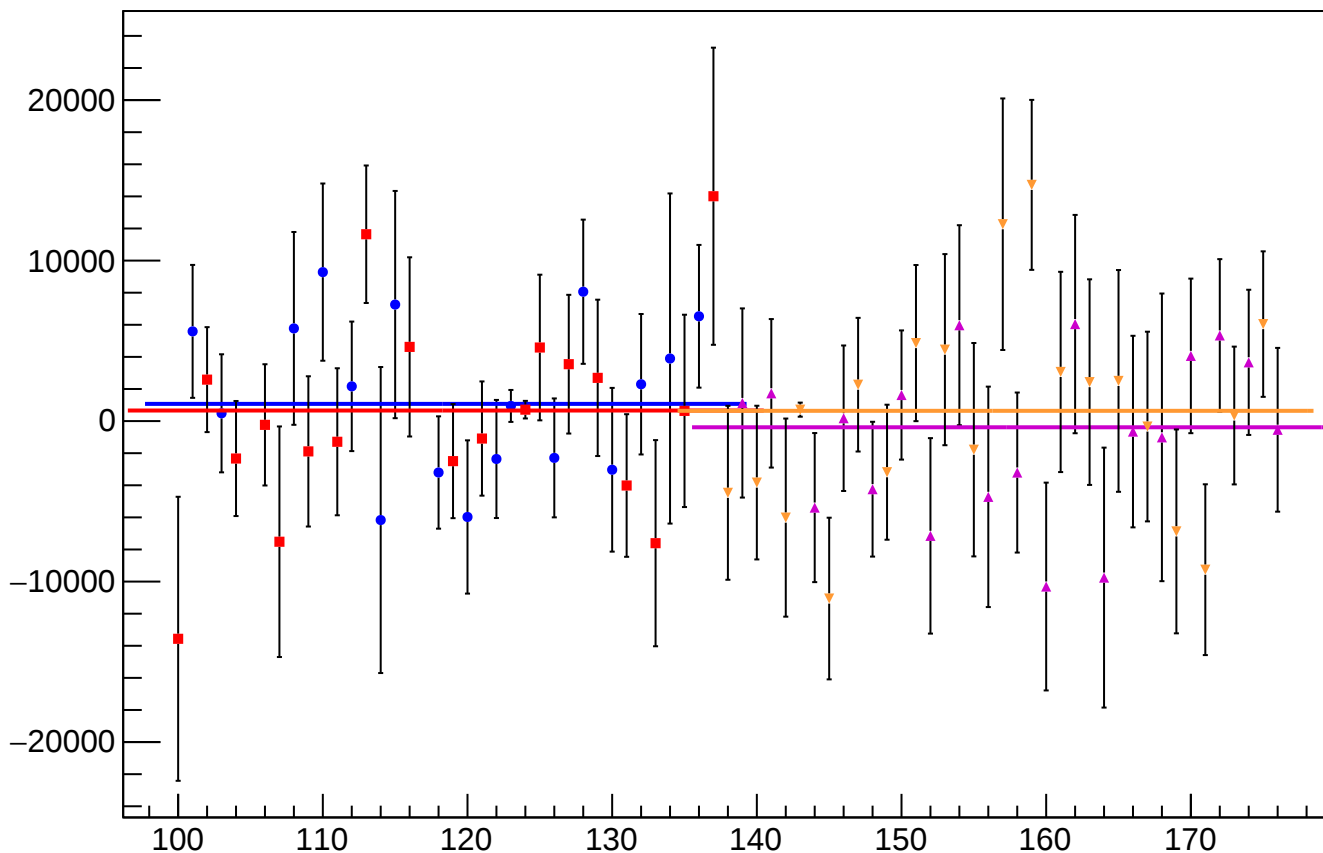
Right: 1768.045+/-0.346 χ^2/NDF : 950324.7/35

In: 1871.644+/-0.289 χ^2/NDF : 774343.0/35

Out: 1876.980+/-0.286 χ^2/NDF : 807173.3/38

All: 1874.342+/-0.203 χ^2/NDF : 1581688.3/74

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 639.614+/-413.223 χ^2/NDF : 26.5/19

Right Out: 658.759+/-488.034 χ^2/NDF : 19.8/18

Left In: -385.676+/-1213.527 χ^2/NDF : 13.2/18

Left: 533.084+/-391.167 χ^2/NDF : 40.4/38

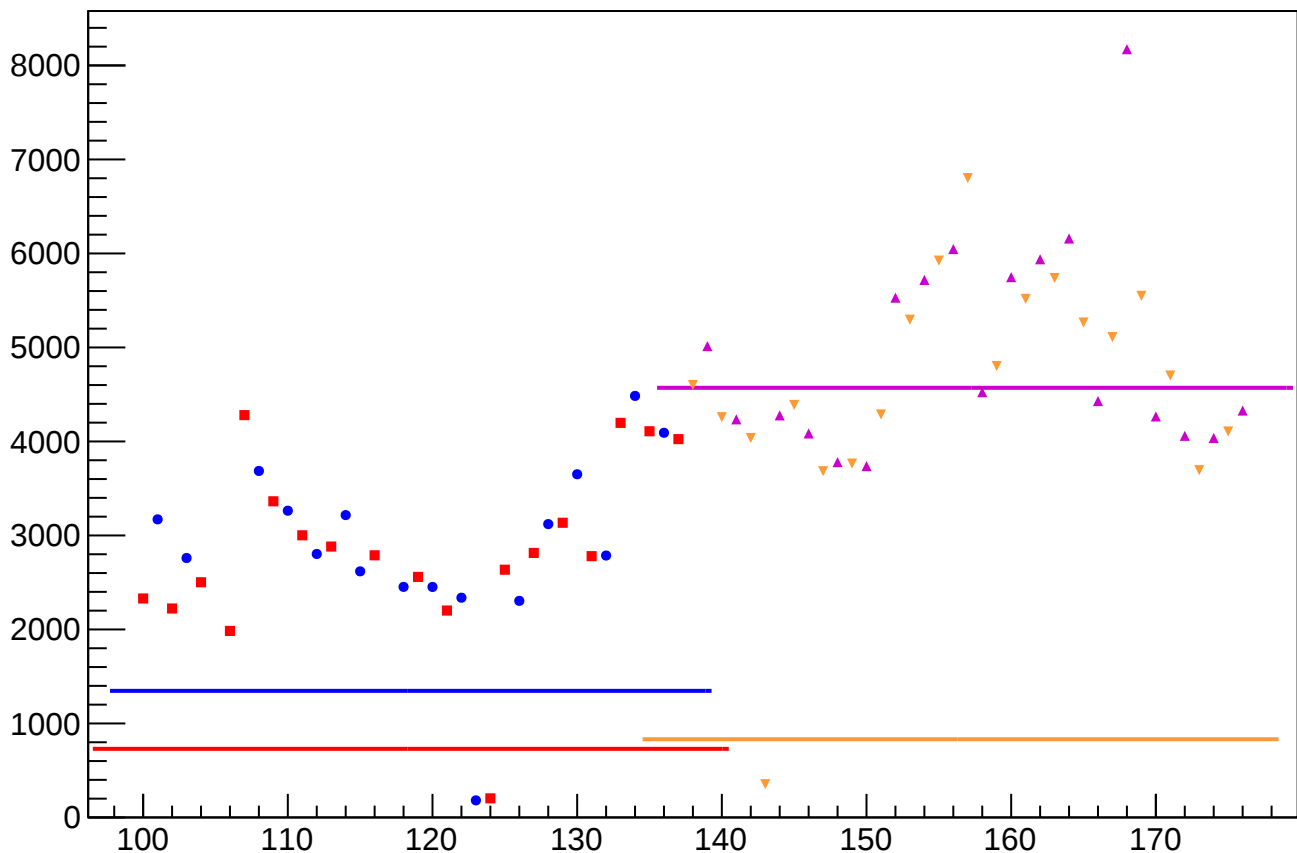
Right: 781.219+/-409.424 χ^2/NDF : 35.6/35

In: 667.477+/-639.390 χ^2/NDF : 29.8/35

Out: 647.608+/-315.362 χ^2/NDF : 46.3/38

All: 651.496+/-282.831 χ^2/NDF : 76.1/74

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 832.044 $\pm$ 0.292 χ^2 /NDF: 21668456.2/19

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

Left In: 4570.819 $\pm$ 0.858 χ^2 /NDF: 1030995.2/18

Left: 1220.512 $\pm$ 0.277 χ^2 /NDF: 39711038.6/38

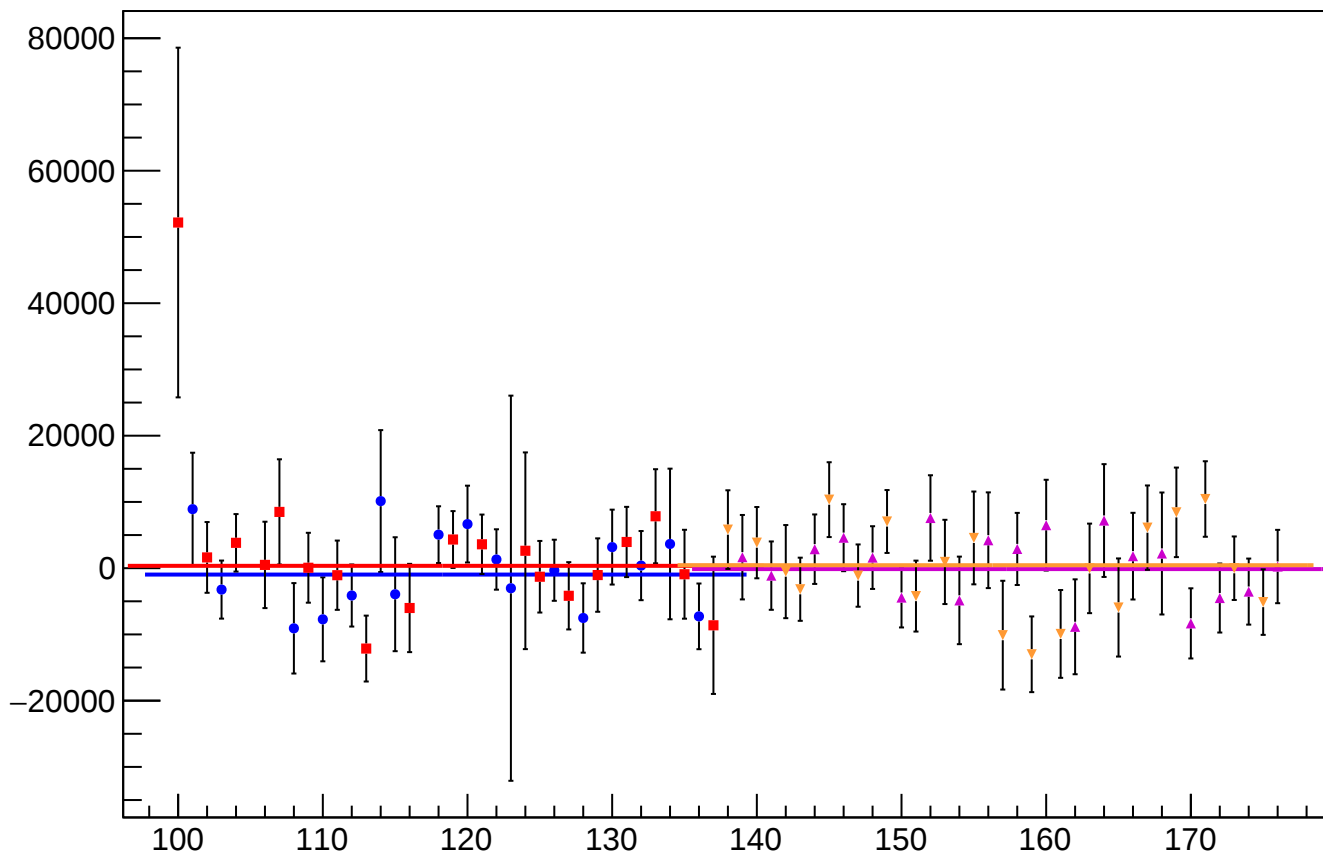
Right: 912.792 $\pm$ 0.290 χ^2 /NDF: 17288237.9/35

In: 2241.841 $\pm$ 0.452 χ^2 /NDF: 18067499.6/35

Out: 789.484 $\pm$ 0.223 χ^2 /NDF: 31222392.7/38

All: 1073.666 $\pm$ 0.200 χ^2 /NDF: 57589916.1/77

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 448.239+/-1292.983 χ^2/NDF : 25.0/19

Right Out: 354.646+/-1329.760 χ^2/NDF : 17.6/18

Left In: -136.963+/-1328.791 χ^2/NDF : 11.9/18

Left: 163.629+/-926.678 χ^2/NDF : 36.9/38

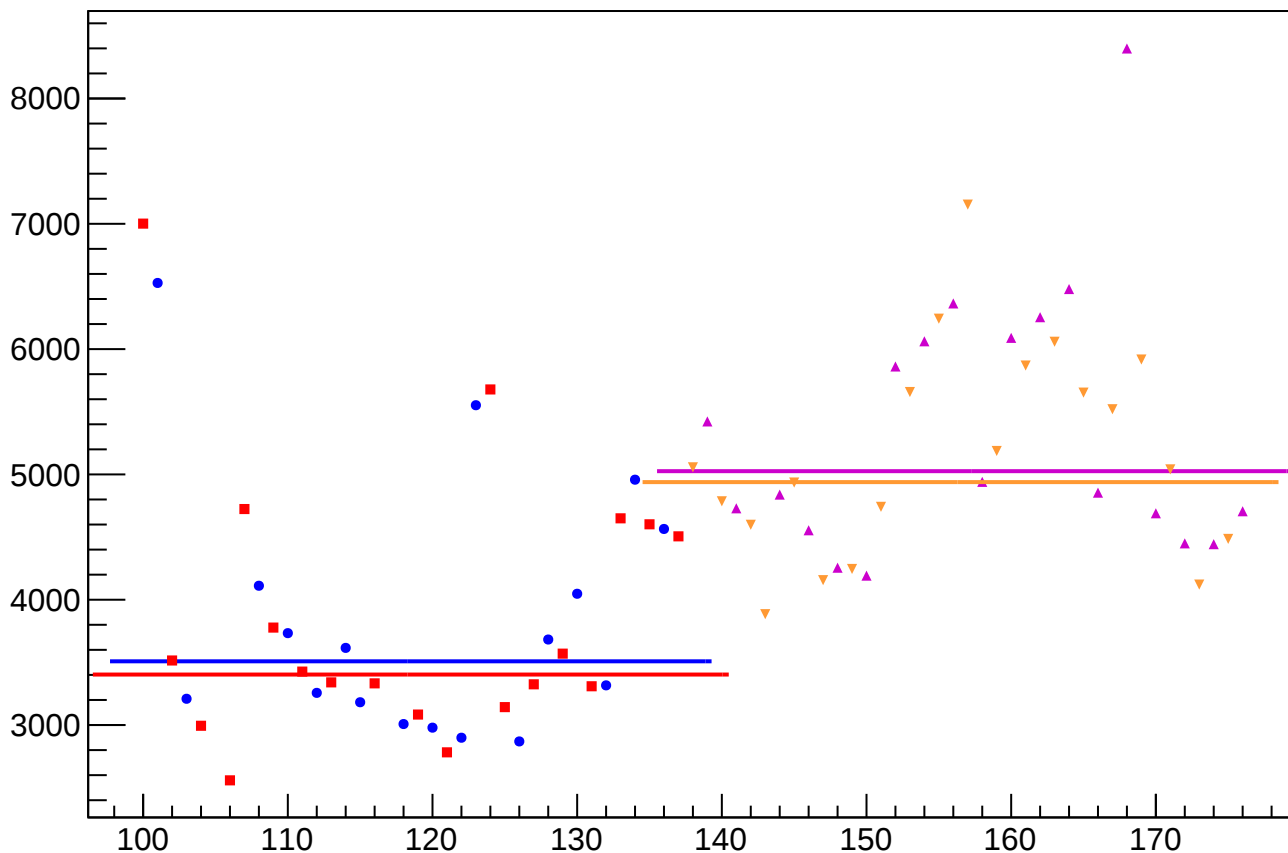
Right: -272.899+/-962.726 χ^2/NDF : 31.8/35

In: -530.277+/-962.358 χ^2/NDF : 25.8/35

Out: 402.755+/-927.006 χ^2/NDF : 42.6/38

All: -46.309+/-667.640 χ^2/NDF : 68.9/74

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 $\pm$ 0.987 χ^2/NDF : 562197.7/16

Left Out: 4938.641 $\pm$ 0.914 χ^2/NDF : 696993.0/19

Right Out: 3402.883 $\pm$ 0.928 χ^2/NDF : 428556.1/18

Left In: 5025.908 $\pm$ 0.940 χ^2/NDF : 809131.4/18

Left: 4981.083 $\pm$ 0.655 χ^2/NDF : 1510555.3/38

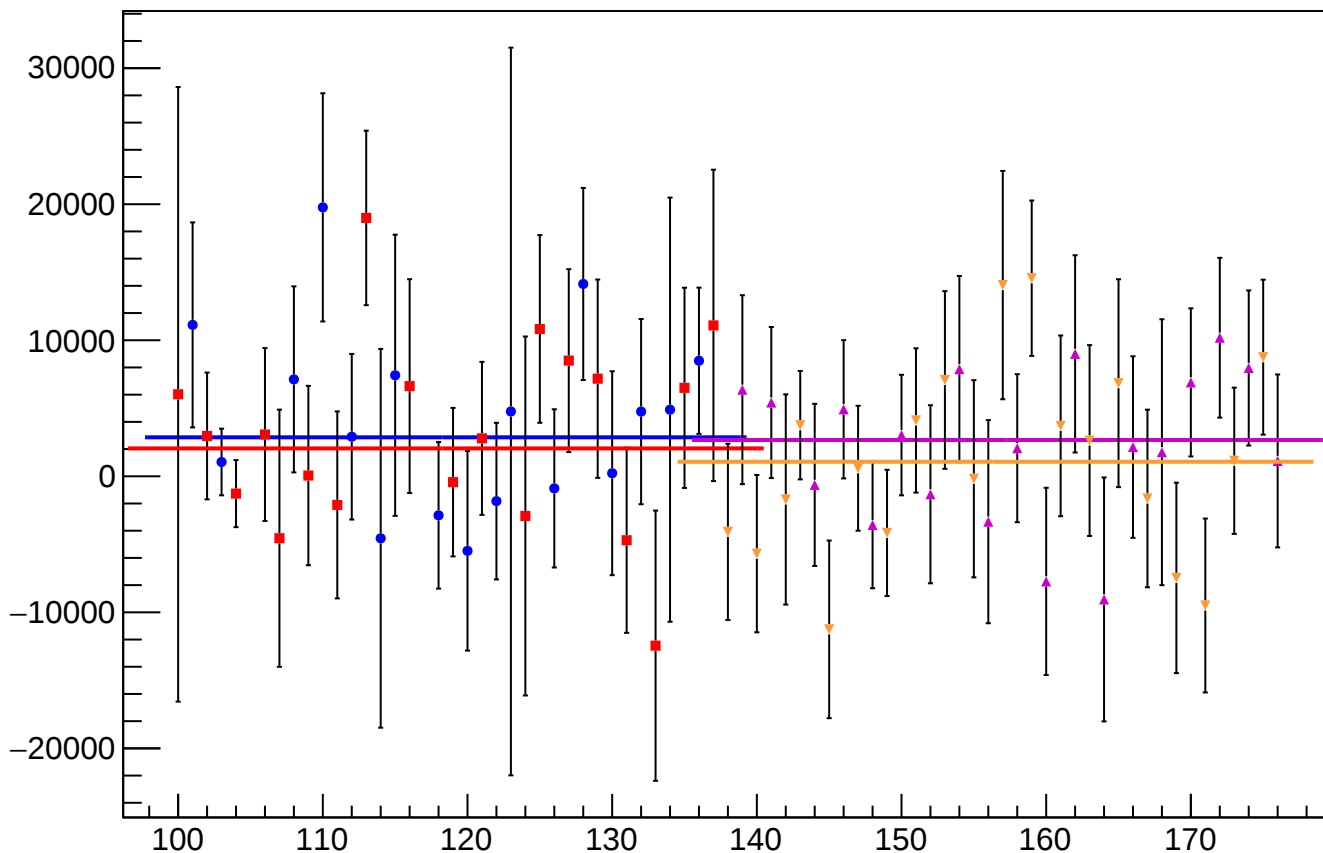
Right: 3452.447 $\pm$ 0.676 χ^2/NDF : 996829.8/35

In: 4304.394 $\pm$ 0.680 χ^2/NDF : 2611463.1/35

Out: 4182.294 $\pm$ 0.651 χ^2/NDF : 2515144.2/38

All: 4240.672 $\pm$ 0.471 χ^2/NDF : 5143409.5/74

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: 1068.663+/-1327.374 χ^2/NDF : 23.6/19

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 2668.751+/-1390.293 χ^2/NDF : 12.4/18

Left: 1831.682+/-960.068 χ^2/NDF : 36.7/38

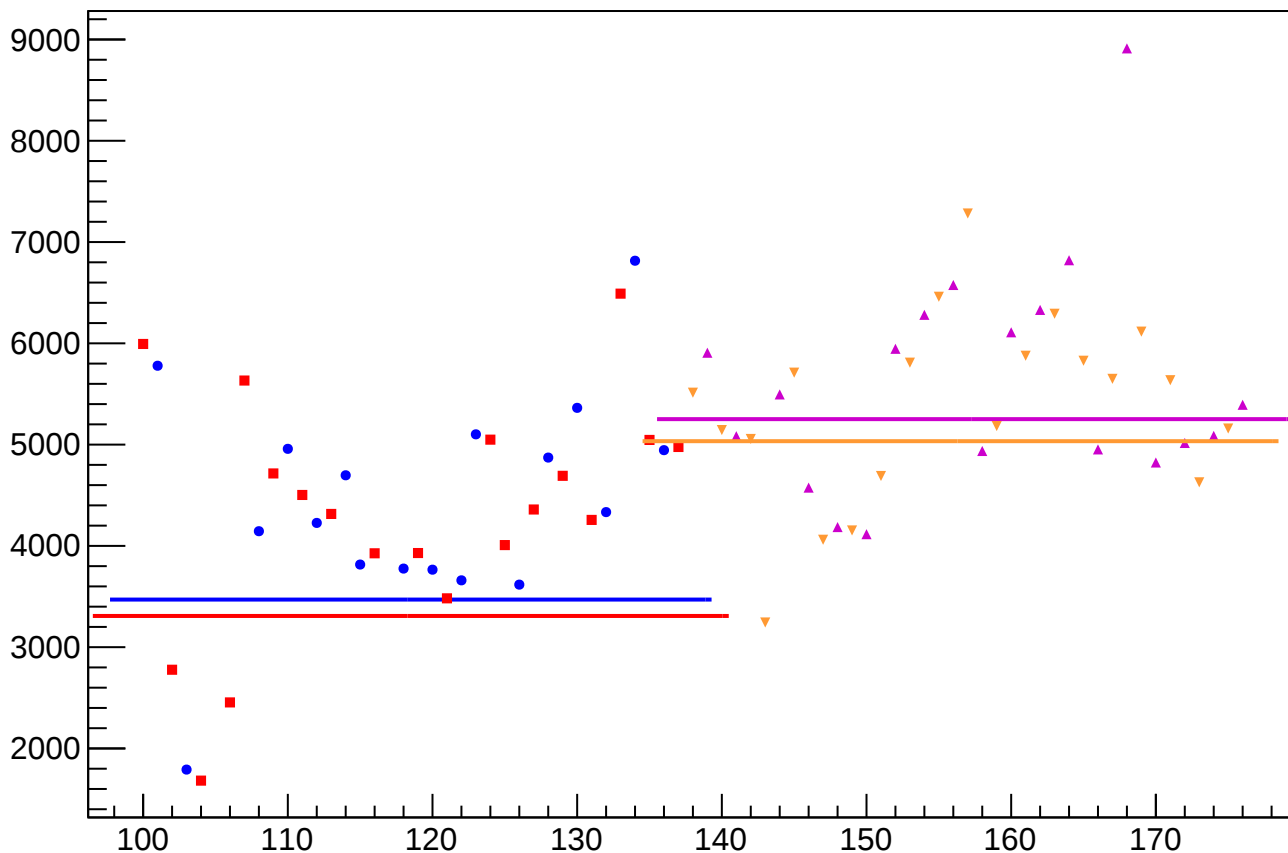
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2762.463+/-1004.409 χ^2/NDF : 26.5/35

Out: 1540.286+/-957.184 χ^2/NDF : 41.5/38

All: 2121.967+/-692.925 χ^2/NDF : 68.8/74

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: 5033.899 $\pm$ 0.939 χ^2 /NDF: 1071638.0/19

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5251.562 $\pm$ 0.983 χ^2 /NDF: 871635.6/18

Left: 5137.694 $\pm$ 0.679 χ^2 /NDF: 1968918.5/38

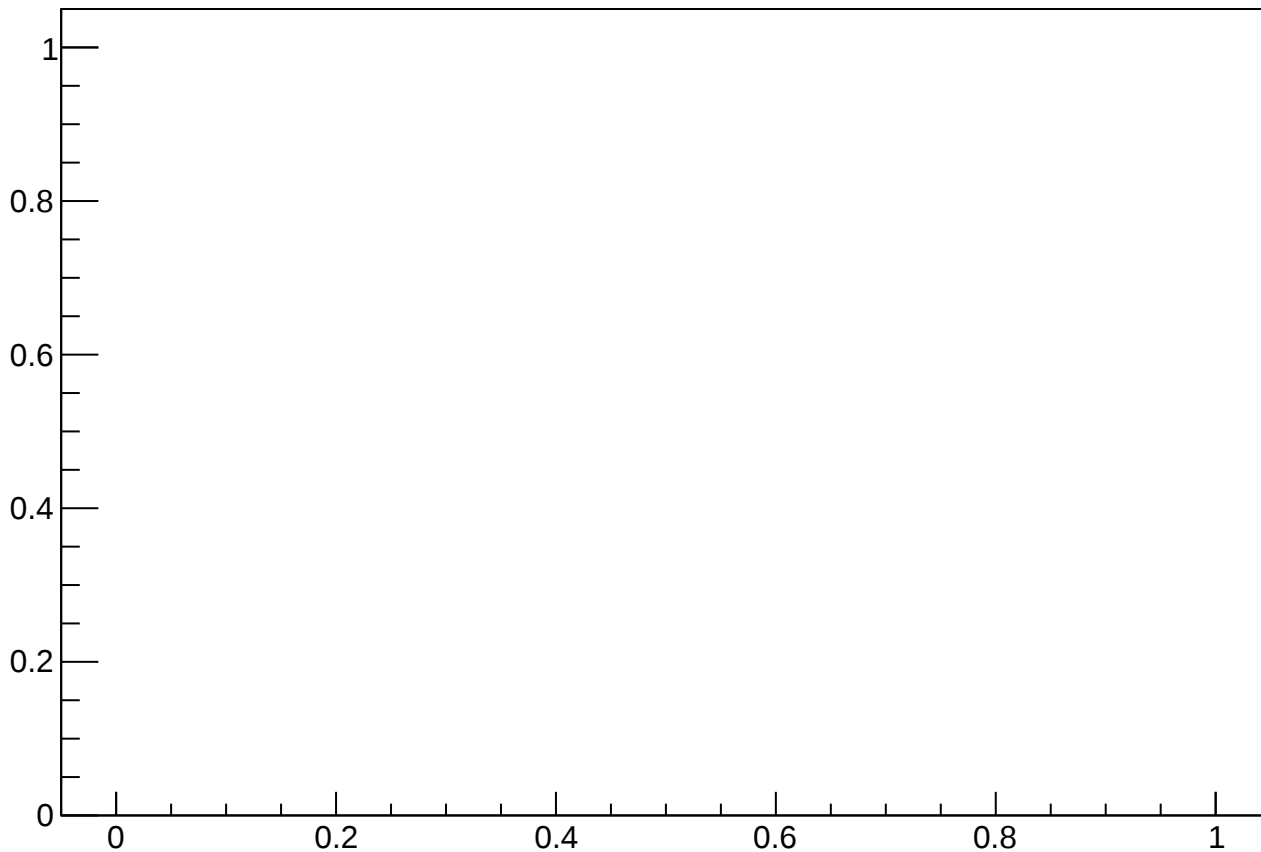
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4399.842 $\pm$ 0.710 χ^2 /NDF: 4202514.6/35

Out: 4197.676 $\pm$ 0.674 χ^2 /NDF: 4620441.3/38

All: 4293.449 $\pm$ 0.489 χ^2 /NDF: 8865598.0/74

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

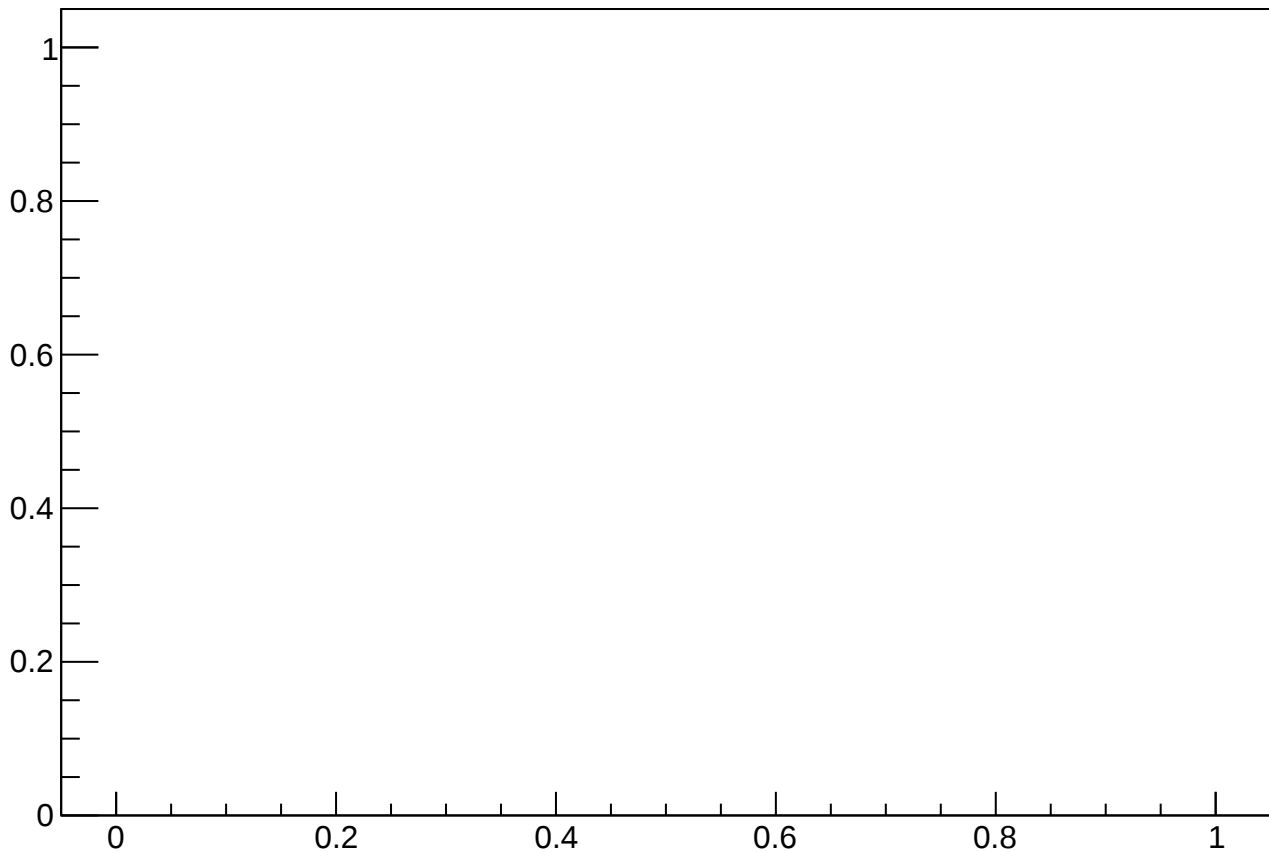
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

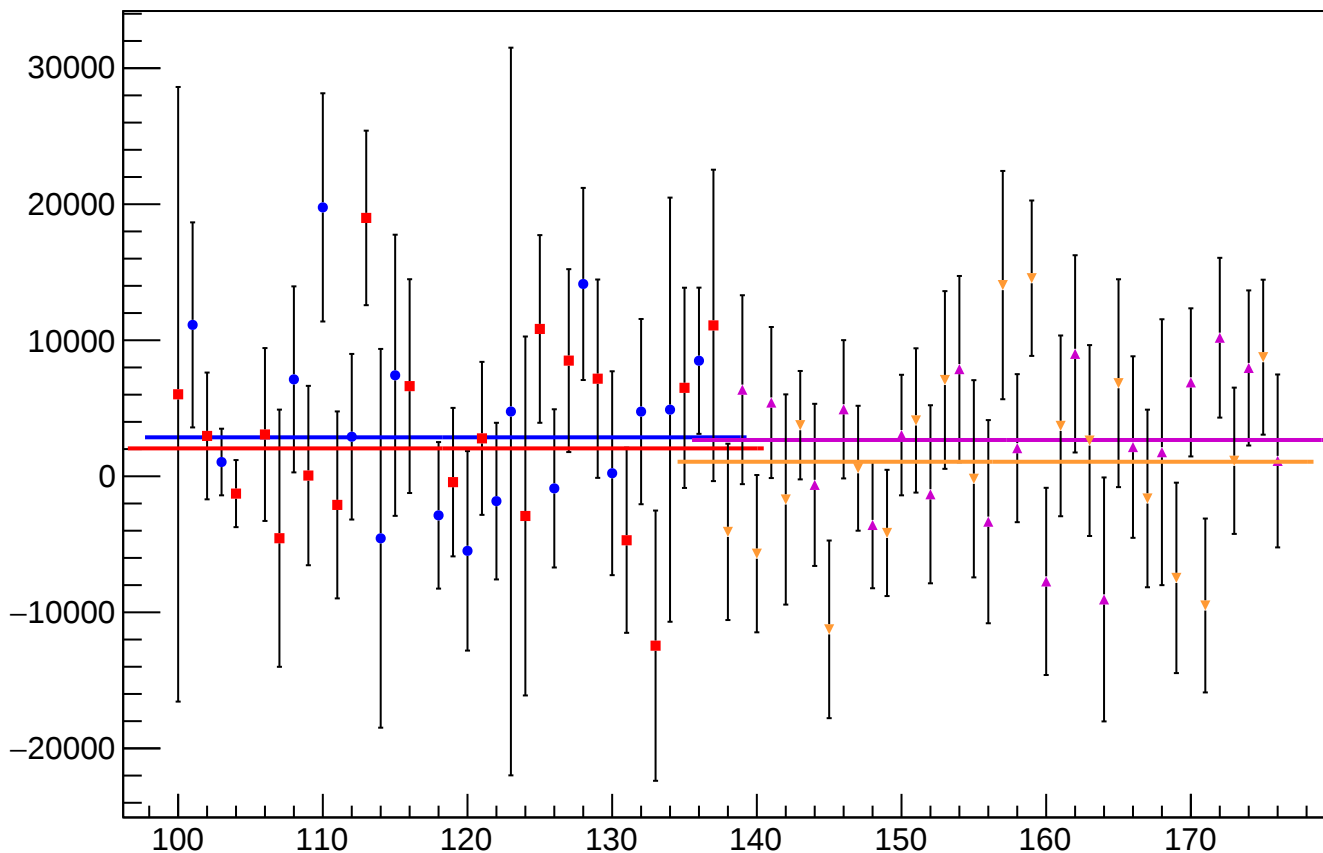
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 1068.663+/-1327.374 χ^2/NDF : 23.6/19

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 2668.751+/-1390.293 χ^2/NDF : 12.4/18

Left: 1831.682+/-960.068 χ^2/NDF : 36.7/38

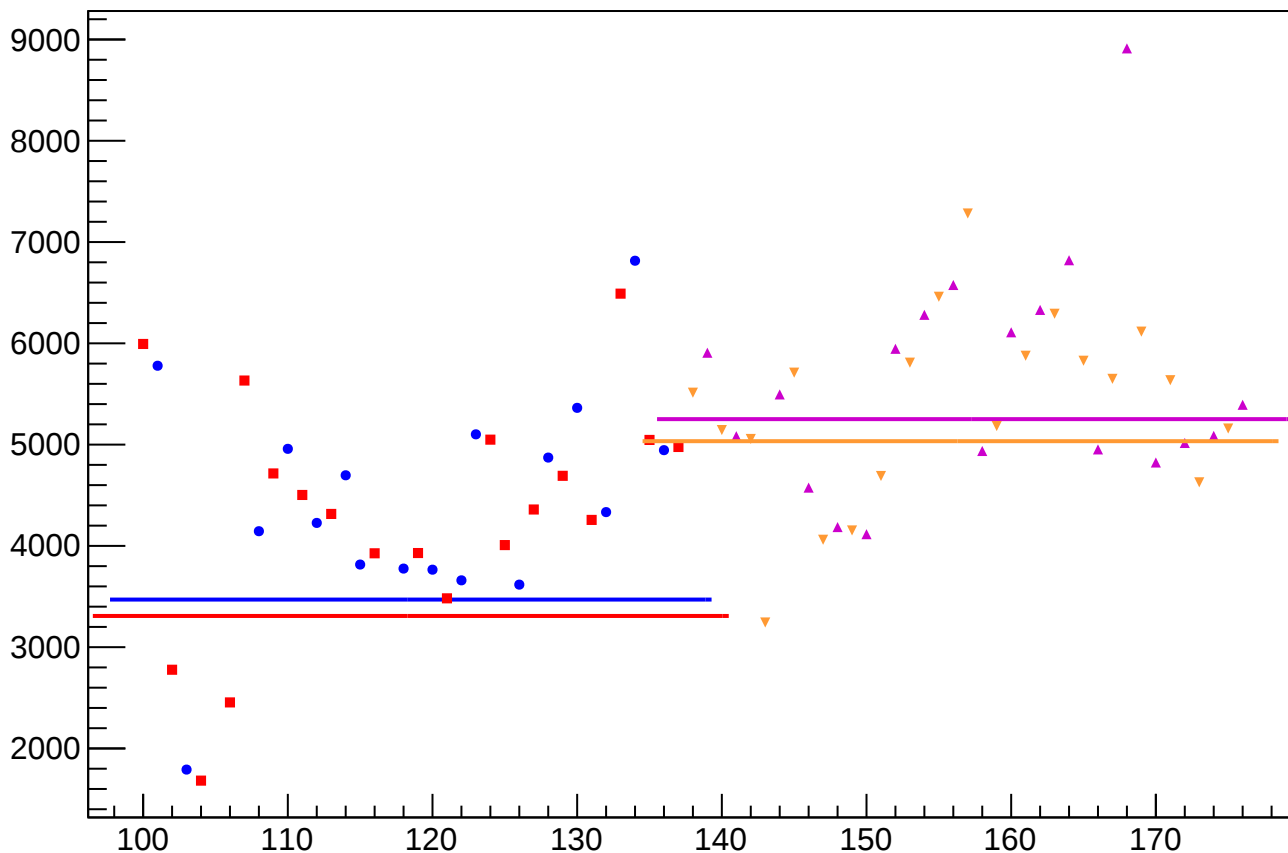
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2762.463+/-1004.409 χ^2/NDF : 26.5/35

Out: 1540.286+/-957.184 χ^2/NDF : 41.5/38

All: 2121.967+/-692.925 χ^2/NDF : 68.8/74

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: 5033.899 $\pm$ 0.939 χ^2 /NDF: 1071638.0/19

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5251.562 $\pm$ 0.983 χ^2 /NDF: 871635.6/18

Left: 5137.694 $\pm$ 0.679 χ^2 /NDF: 1968918.5/38

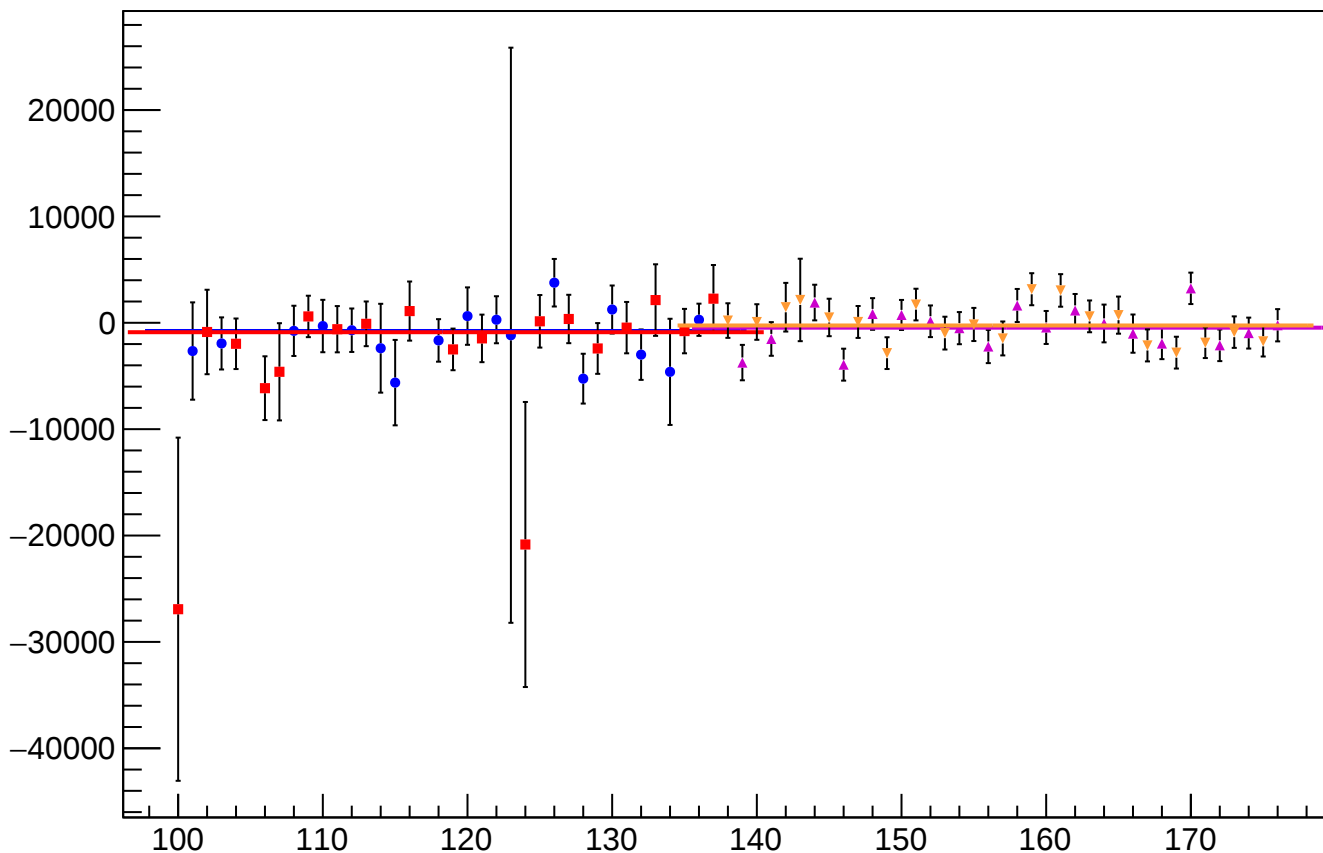
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4399.842 $\pm$ 0.710 χ^2 /NDF: 4202514.6/35

Out: 4197.676 $\pm$ 0.674 χ^2 /NDF: 4620441.3/38

All: 4293.449 $\pm$ 0.489 χ^2 /NDF: 8865598.0/74

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: -252.879+/-356.970 χ^2/NDF :24.3/19

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -458.859+/-354.215 χ^2/NDF :26.3/18

Left: -356.667+/-251.436 χ^2/NDF : 50.8/38

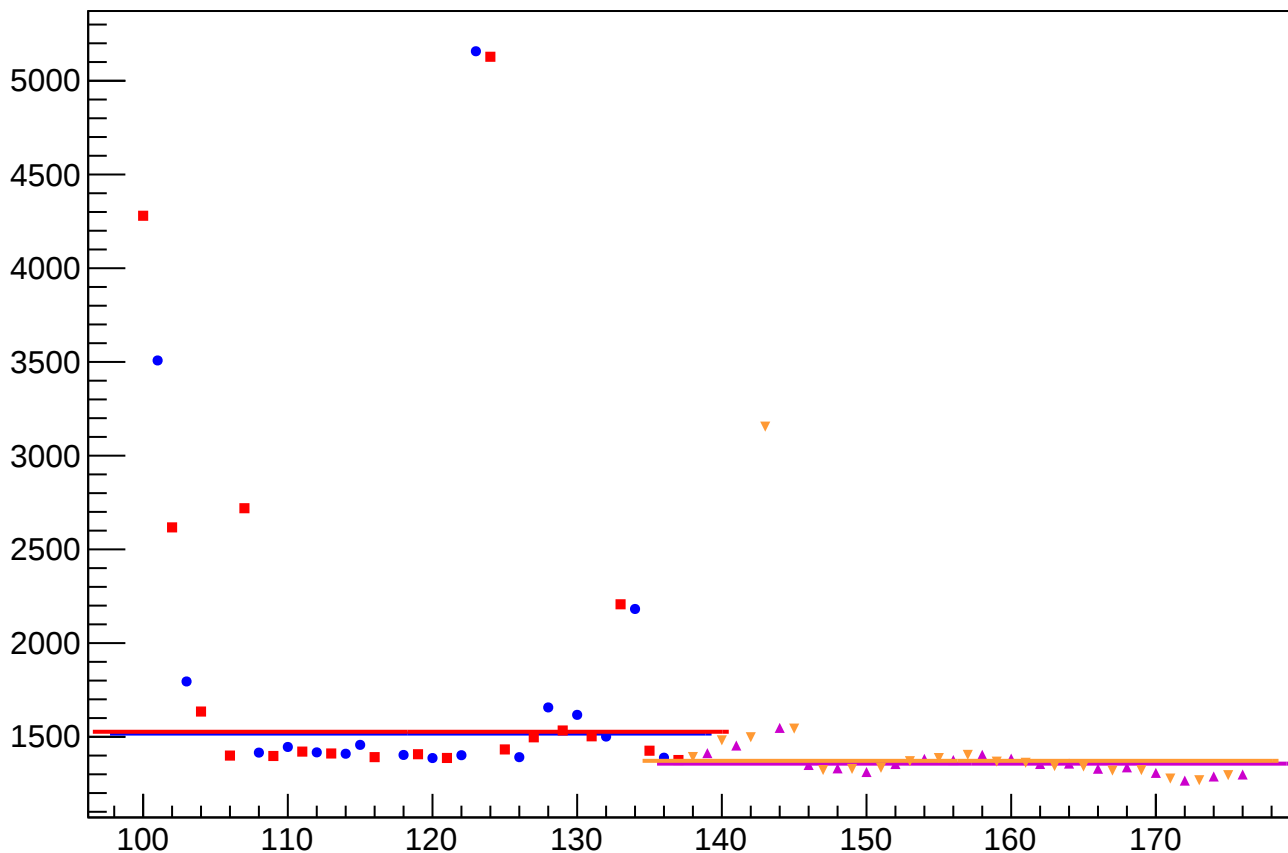
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -538.839+/-305.508 χ^2/NDF :39.8/35

Out: -420.201+/-306.113 χ^2/NDF :38.6/38

All: -479.637+/-216.240 χ^2/NDF : 78.5/74

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: 1371.901+/-0.252 χ^2/NDF : 493456.7/19

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1356.897+/-0.250 χ^2/NDF : 59394.1/18

Left: 1364.341+/-0.178 χ^2/NDF : 554631.4/38

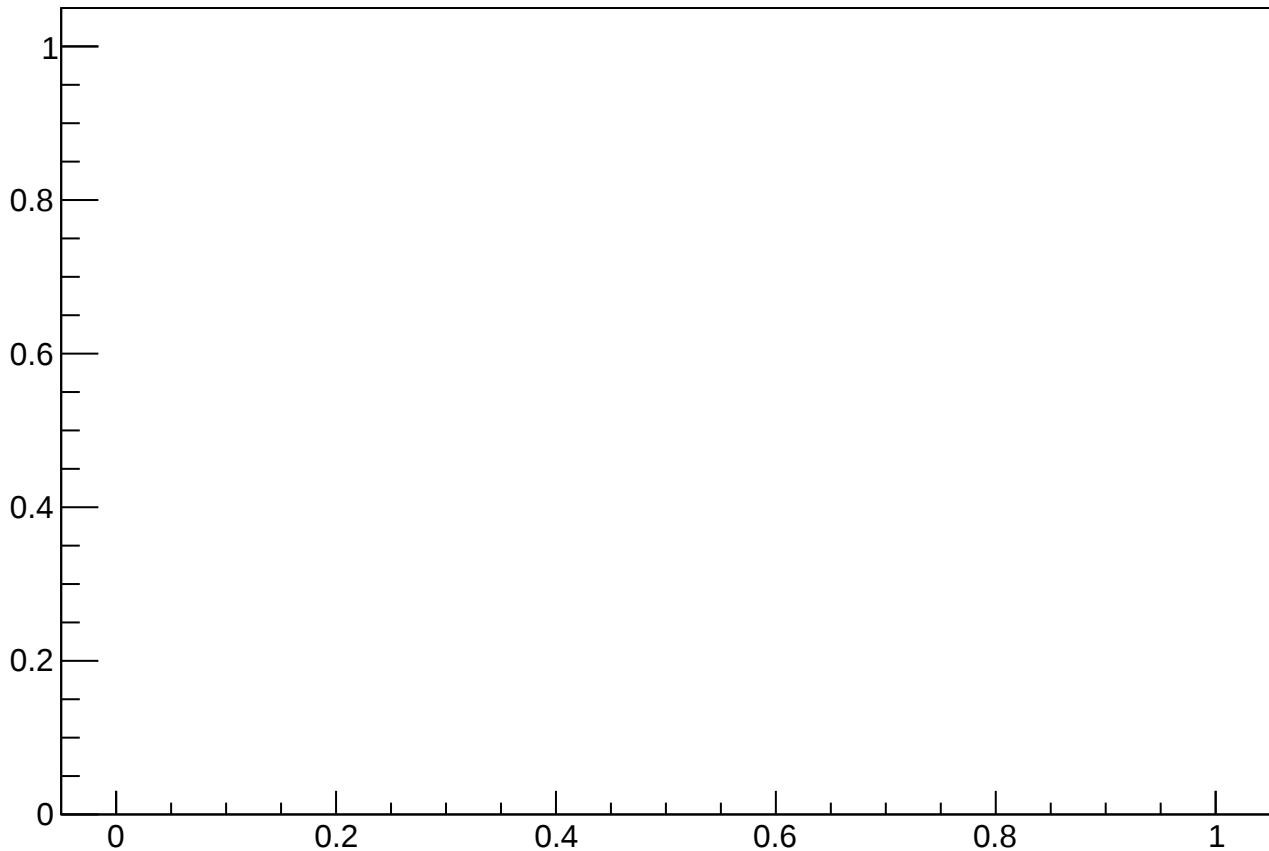
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1397.986+/-0.216 χ^2/NDF : 701138.8/35

Out: 1412.948+/-0.216 χ^2/NDF : 1225064.5/38

All: 1405.452+/-0.153 χ^2/NDF : 1928597.3/74

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

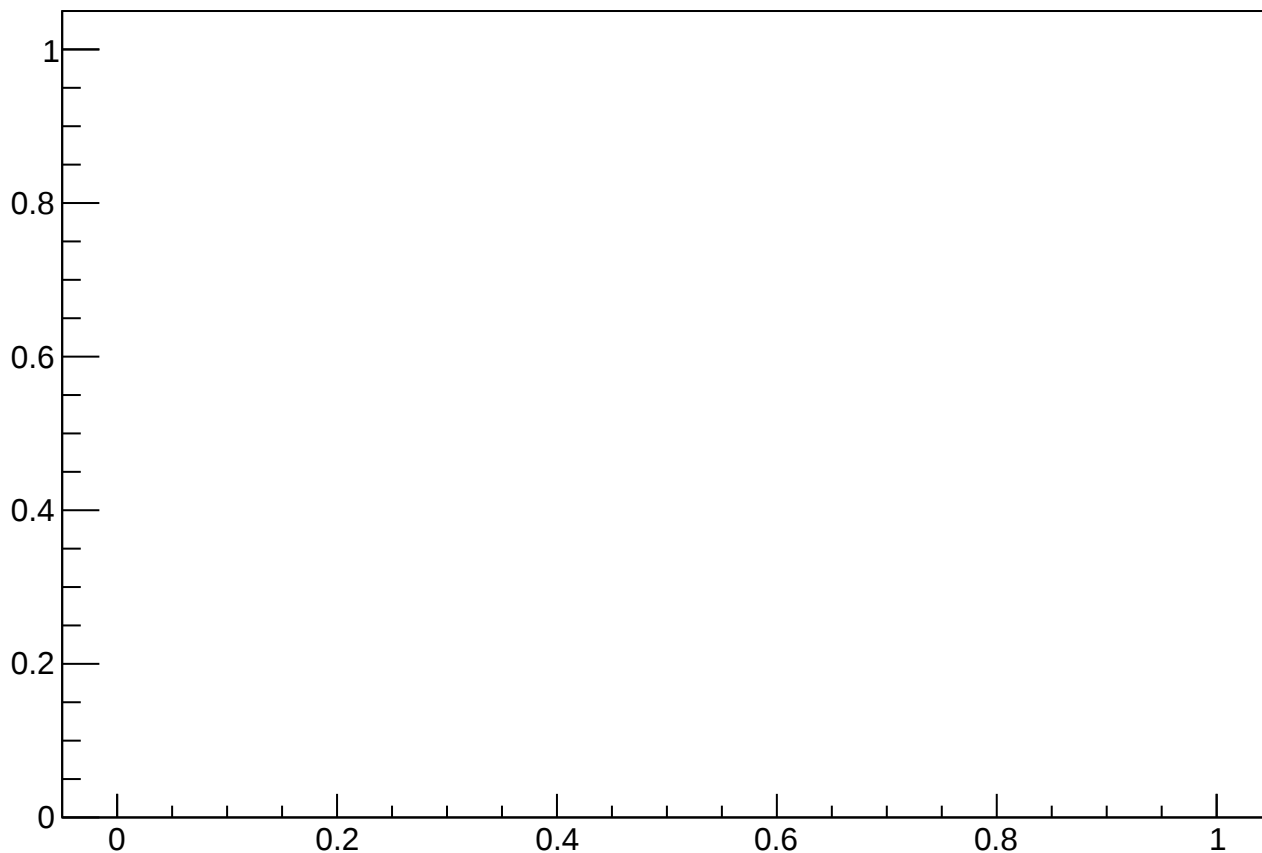
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

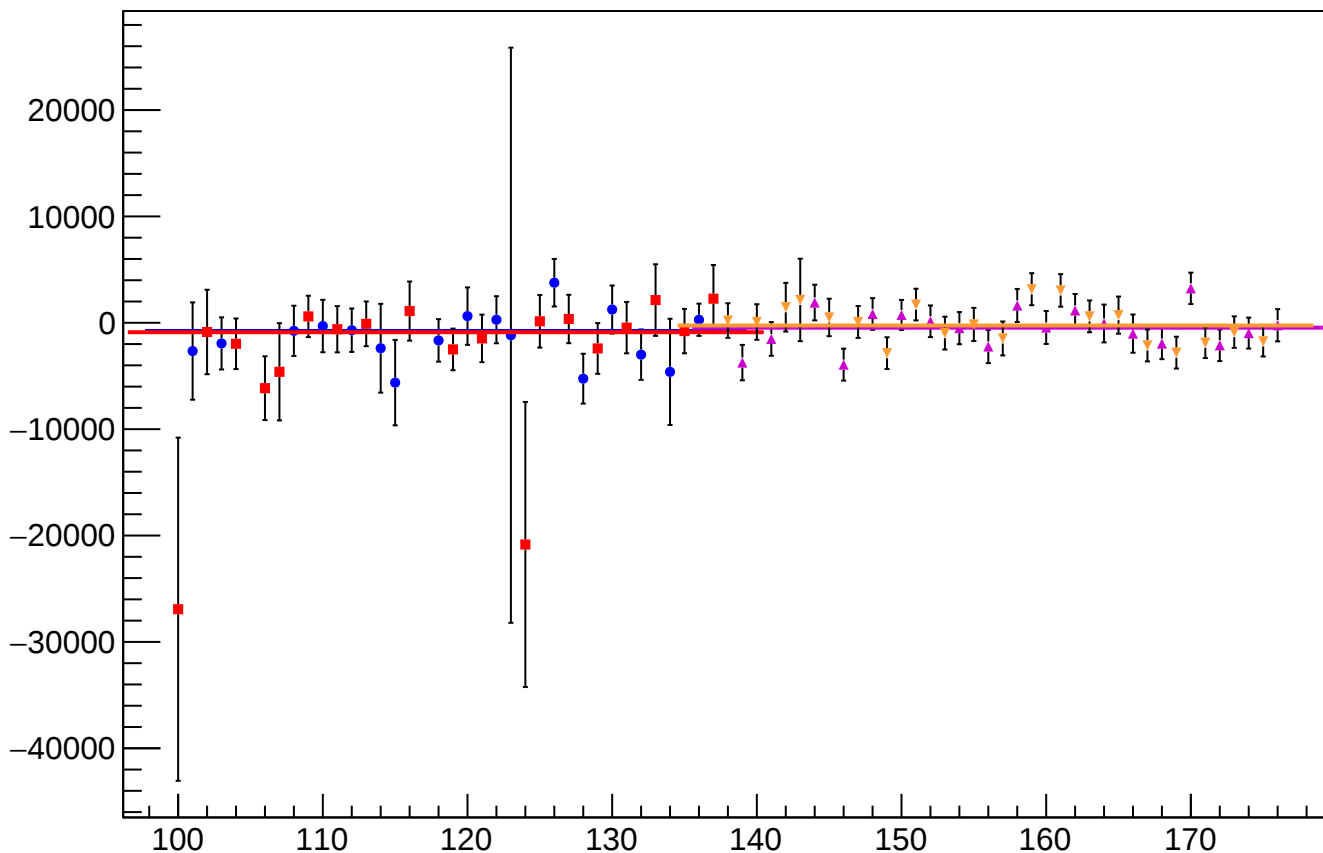
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -252.879+/-356.970 χ^2/NDF : 24.3/19

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -458.859+/-354.215 χ^2/NDF : 26.3/18

Left: -356.667+/-251.436 χ^2/NDF : 50.8/38

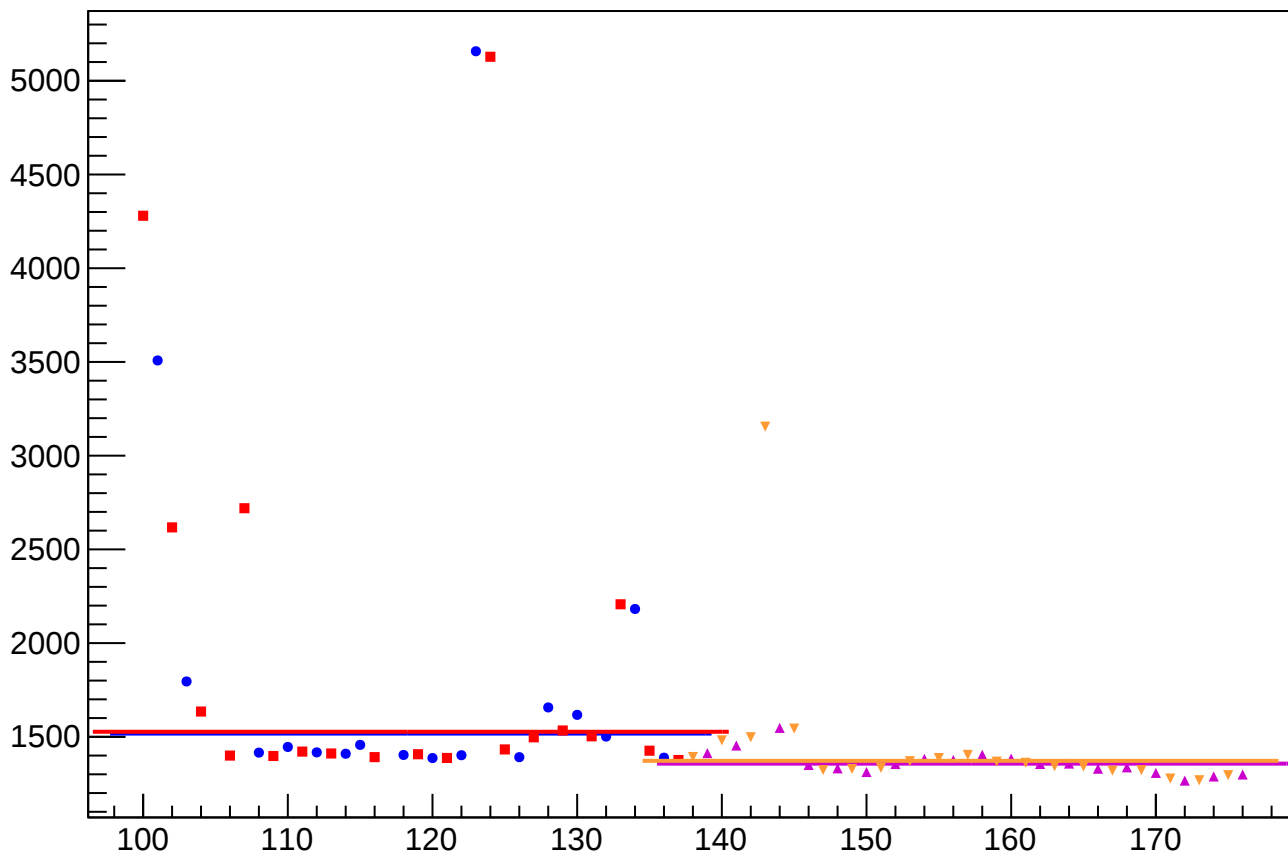
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -538.839+/-305.508 χ^2/NDF : 39.8/35

Out: -420.201+/-306.113 χ^2/NDF : 38.6/38

All: -479.637+/-216.240 χ^2/NDF : 78.5/74

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: 1371.901+/-0.252 χ^2/NDF : 493456.7/19

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1356.897+/-0.250 χ^2/NDF : 59394.1/18

Left: 1364.341+/-0.178 χ^2/NDF : 554631.4/38

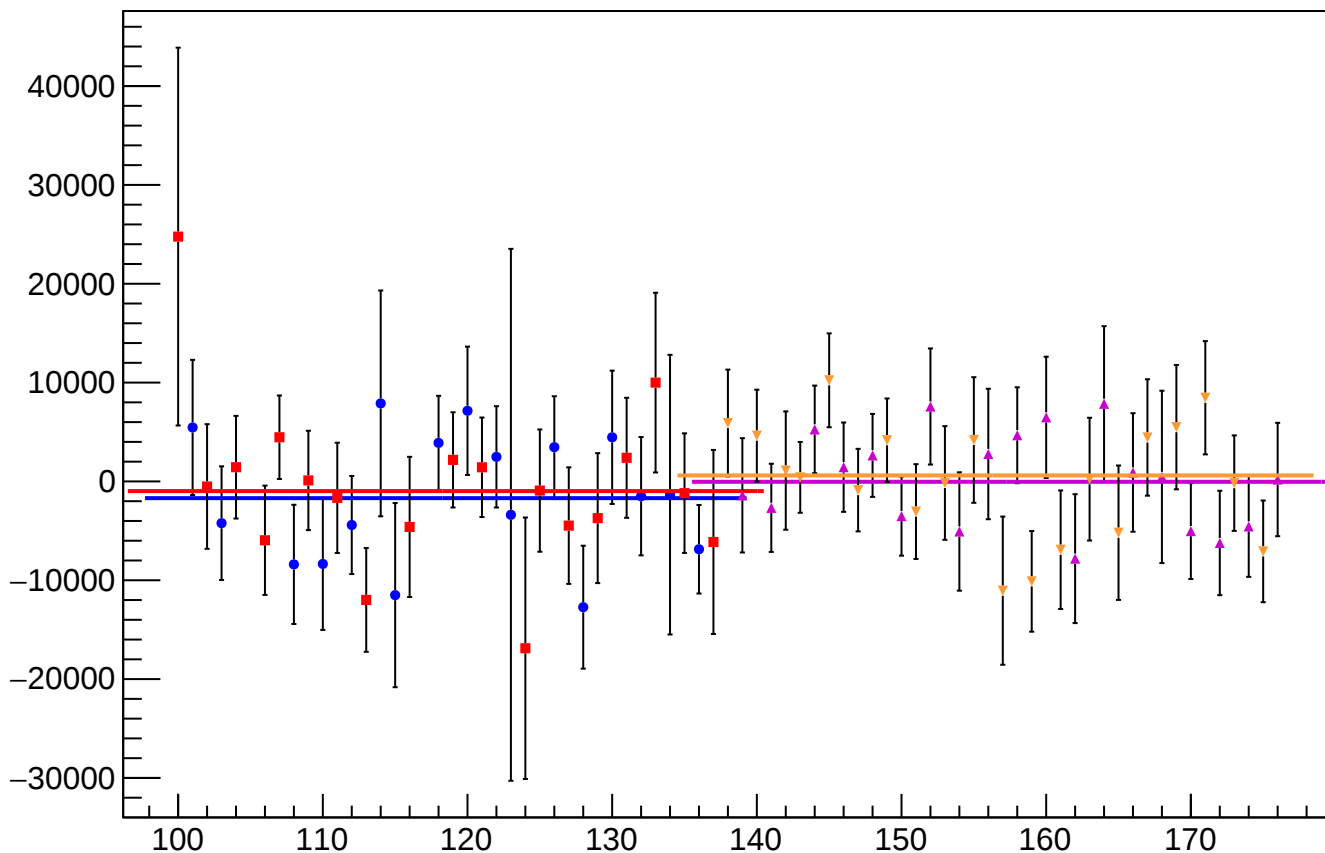
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1397.986+/-0.216 χ^2/NDF : 701138.8/35

Out: 1412.948+/-0.216 χ^2/NDF : 1225064.5/38

All: 1405.452+/-0.153 χ^2/NDF : 1928597.3/74

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 605.394 ± 1162.851 χ^2/NDF : 21.9/19

Right Out: -977.899 ± 1378.874 χ^2/NDF : 13.9/18

Left In: -37.339 ± 1216.289 χ^2/NDF : 13.4/18

Left: 298.457 ± 840.517 χ^2/NDF : 35.5/38

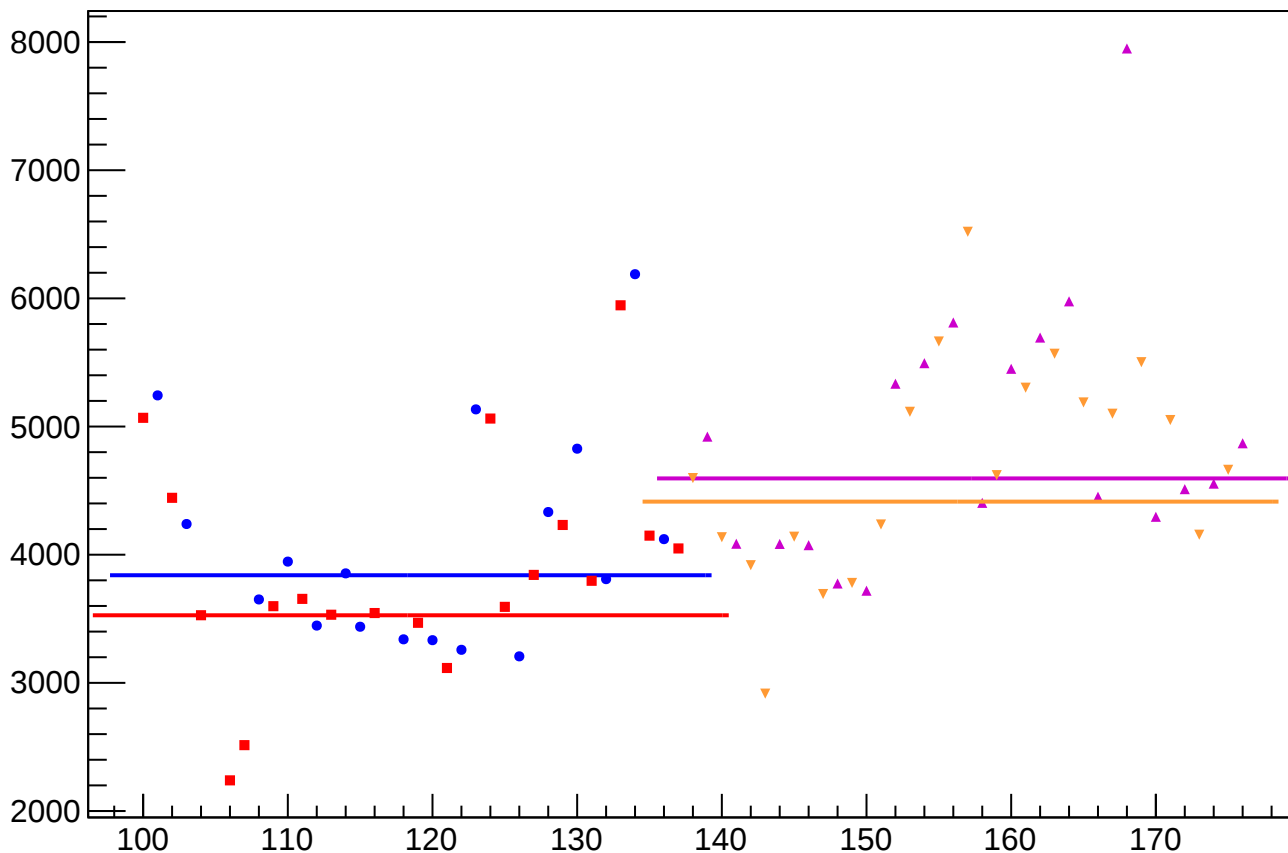
Right: -1302.190 ± 1019.117 χ^2/NDF : 29.9/35

In: -687.157 ± 947.944 χ^2/NDF : 30.0/35

Out: -52.652 ± 888.940 χ^2/NDF : 36.6/38

All: -349.544 ± 648.432 χ^2/NDF : 66.8/74

reg_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: 4414.172 $\pm$ 0.822 χ^2 /NDF: 1016202.0/19

Right Out: 3527.320 $\pm$ 0.966 χ^2 /NDF: 554785.4/18

Left In: 4595.188 $\pm$ 0.860 χ^2 /NDF: 873441.6/18

Left: 4500.616 $\pm$ 0.594 χ^2 /NDF: 1912787.4/38

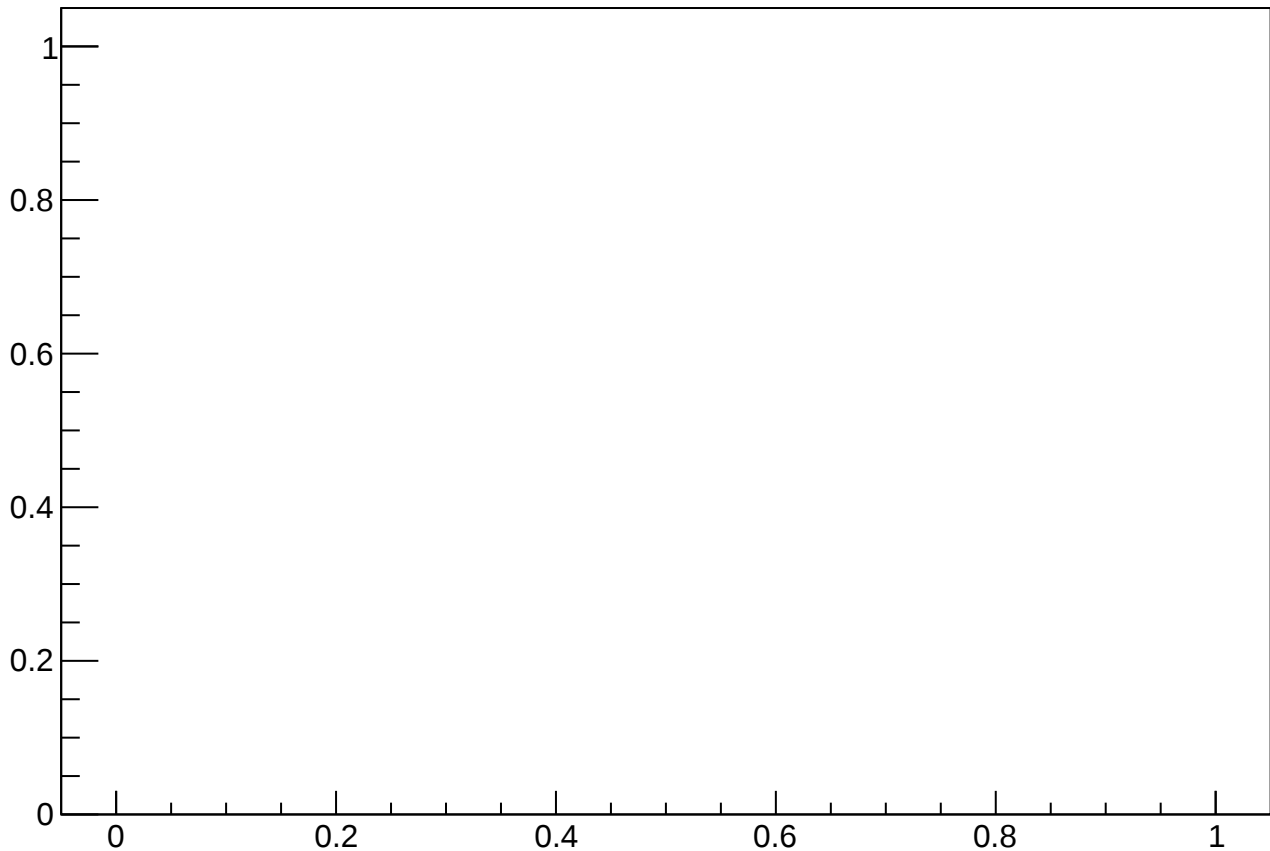
Right: 3667.674 $\pm$ 0.717 χ^2 /NDF: 927722.2/35

In: 4298.612 $\pm$ 0.670 χ^2 /NDF: 1502295.0/35

Out: 4041.640 $\pm$ 0.626 χ^2 /NDF: 2059635.6/38

All: 4161.393 $\pm$ 0.458 χ^2 /NDF: 3640412.8/74

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

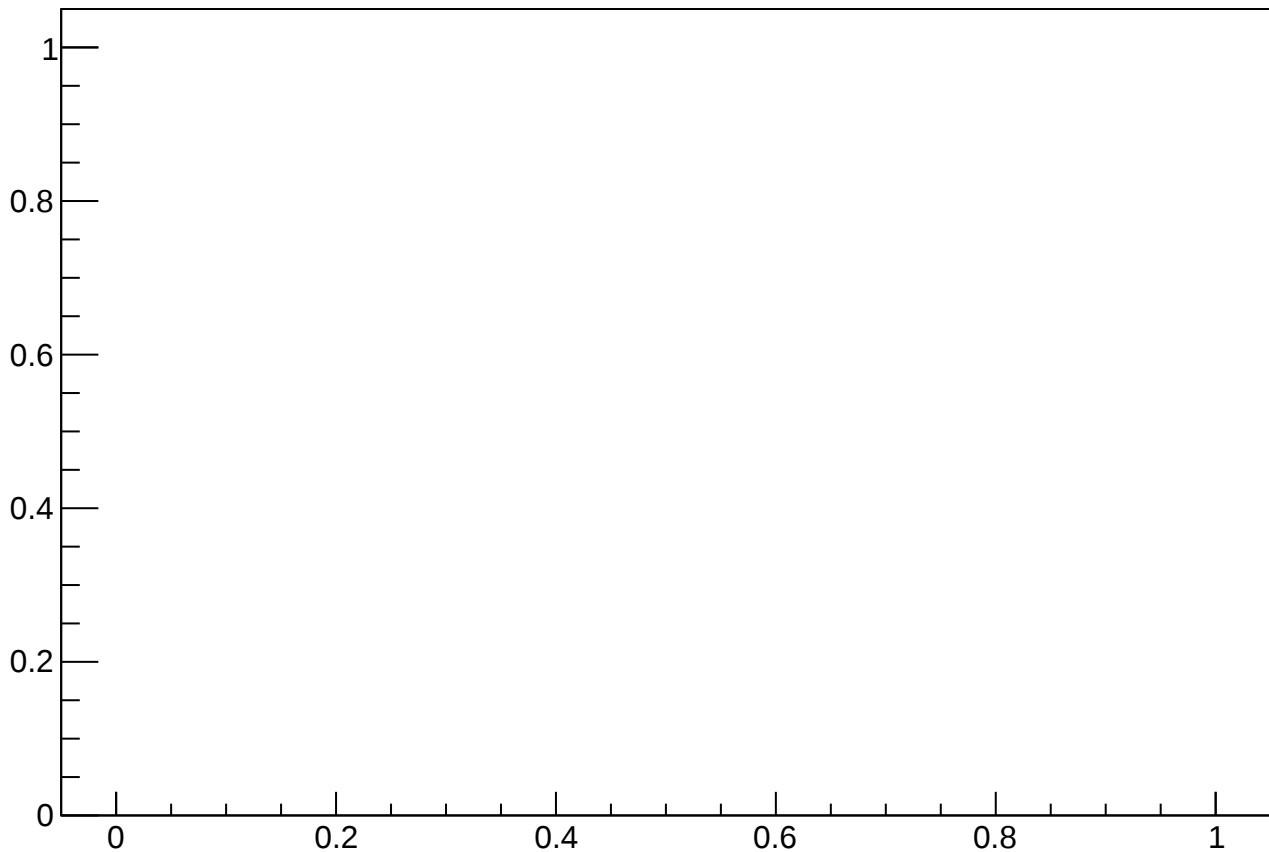
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

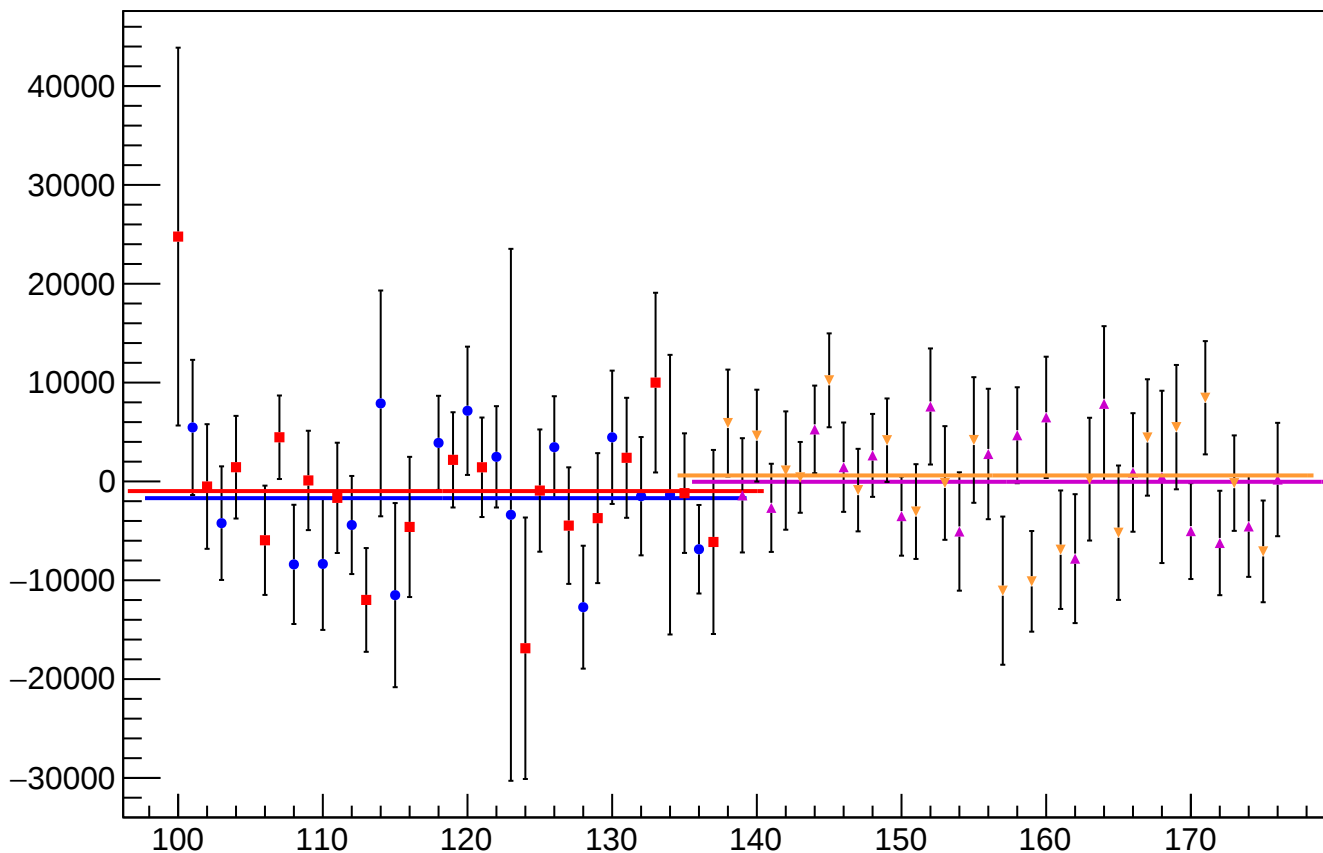
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 605.394 ± 1162.851 $\chi^2/\text{NDF}: 21.9/19$

Right Out: -977.899 ± 1378.874 $\chi^2/\text{NDF}: 13.9/18$

Left In: -37.339 ± 1216.289 $\chi^2/\text{NDF}: 13.4/18$

Left: 298.457 ± 840.517 $\chi^2/\text{NDF}: 35.5/38$

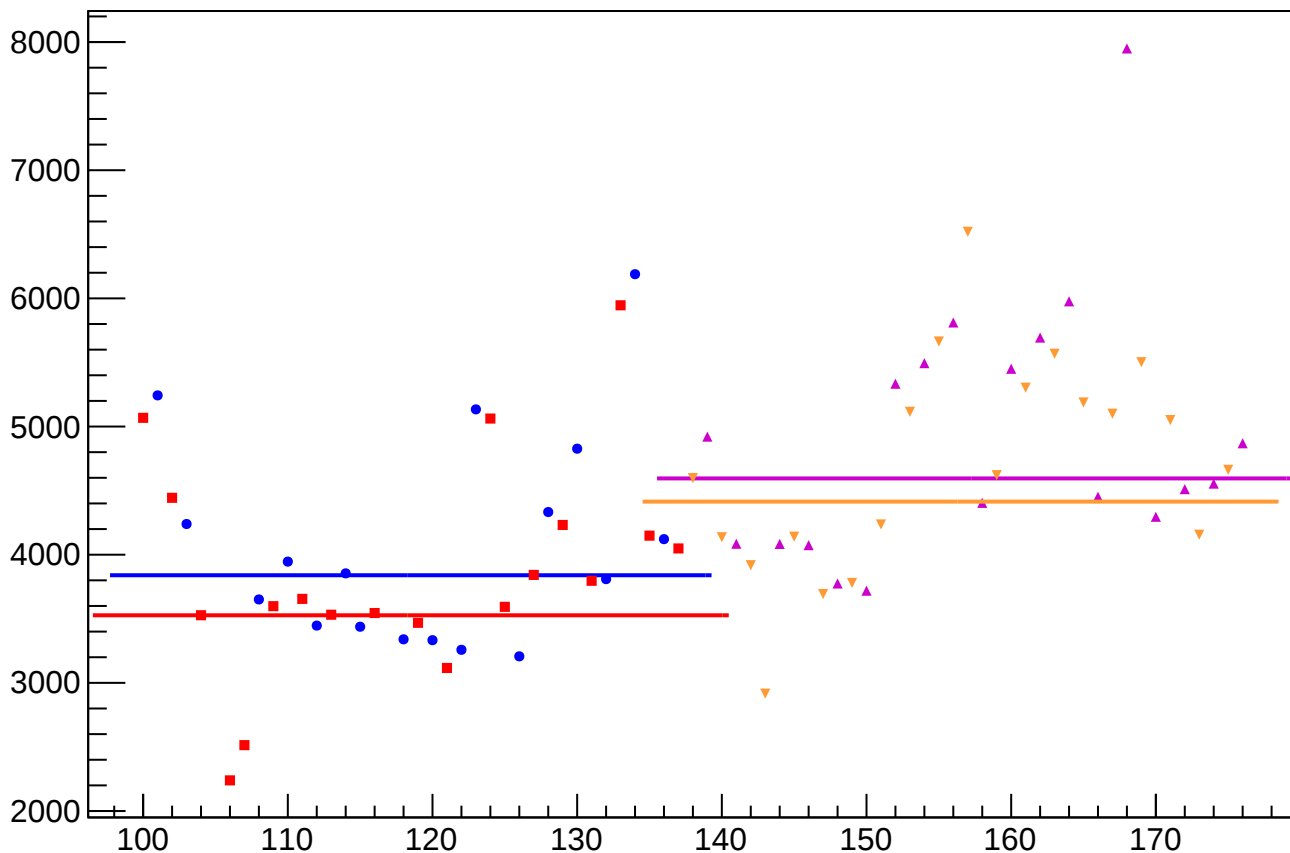
Right: -1302.190 ± 1019.117 $\chi^2/\text{NDF}: 29.9/35$

In: -687.157 ± 947.944 $\chi^2/\text{NDF}: 30.0/35$

Out: -52.652 ± 888.940 $\chi^2/\text{NDF}: 36.6/38$

All: -349.544 ± 648.432 $\chi^2/\text{NDF}: 66.8/74$

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: 4414.172+/-0.822 χ^2/NDF : 1016202.0/19

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4595.188+/-0.860 χ^2/NDF : 873441.6/18

Left: 4500.616+/-0.594 χ^2/NDF : 1912787.4/38

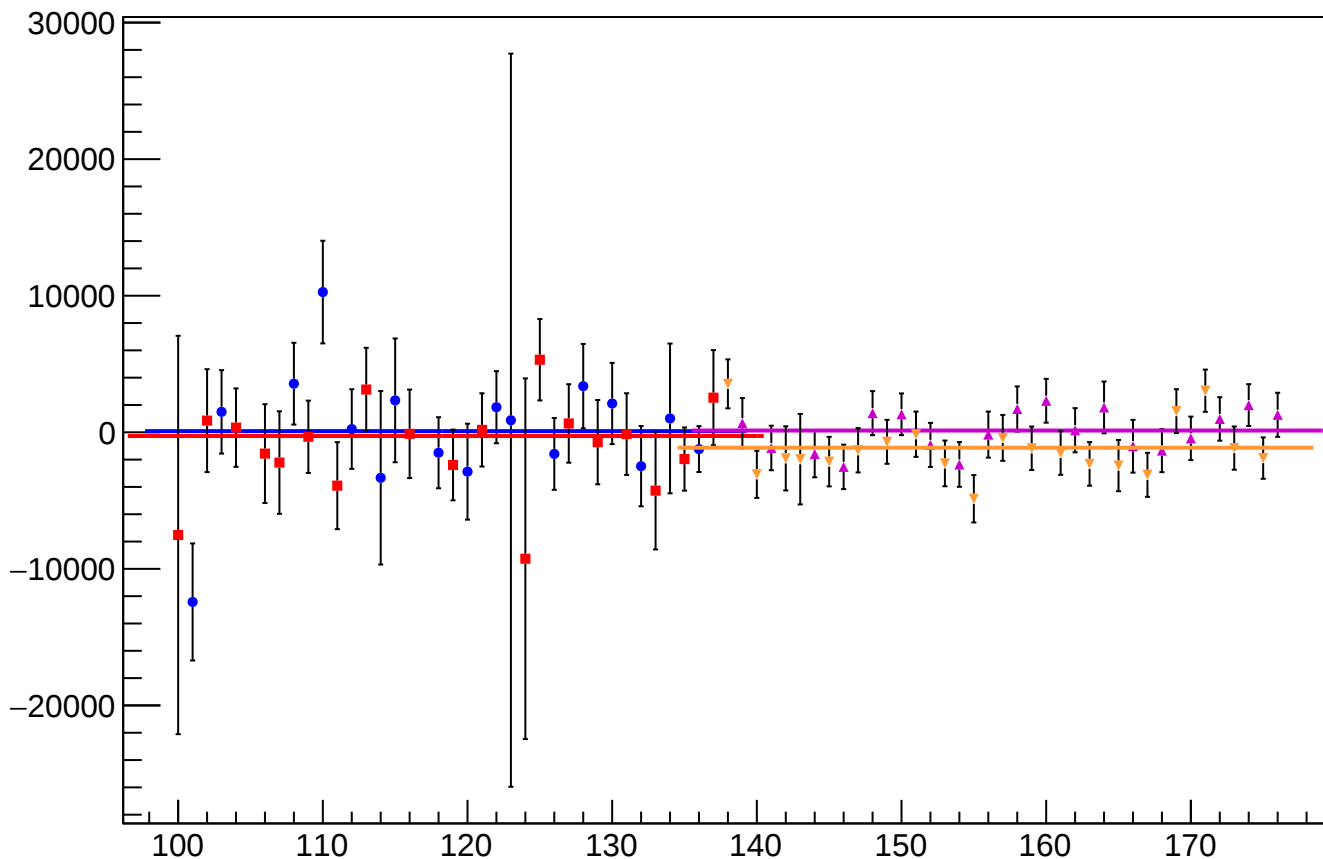
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4298.612+/-0.670 χ^2/NDF : 1502295.0/35

Out: 4041.640+/-0.626 χ^2/NDF : 2059635.6/38

All: 4161.393+/-0.458 χ^2/NDF : 3640412.8/74

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -1129.102 ± 381.077 $\chi^2/\text{NDF}: 27.2/19$

Right Out: -272.707 ± 734.115 $\chi^2/\text{NDF}: 10.2/18$

Left In: 128.835 ± 378.084 $\chi^2/\text{NDF}: 15.5/18$

Left: -495.174 ± 268.398 $\chi^2/\text{NDF}: 48.3/38$

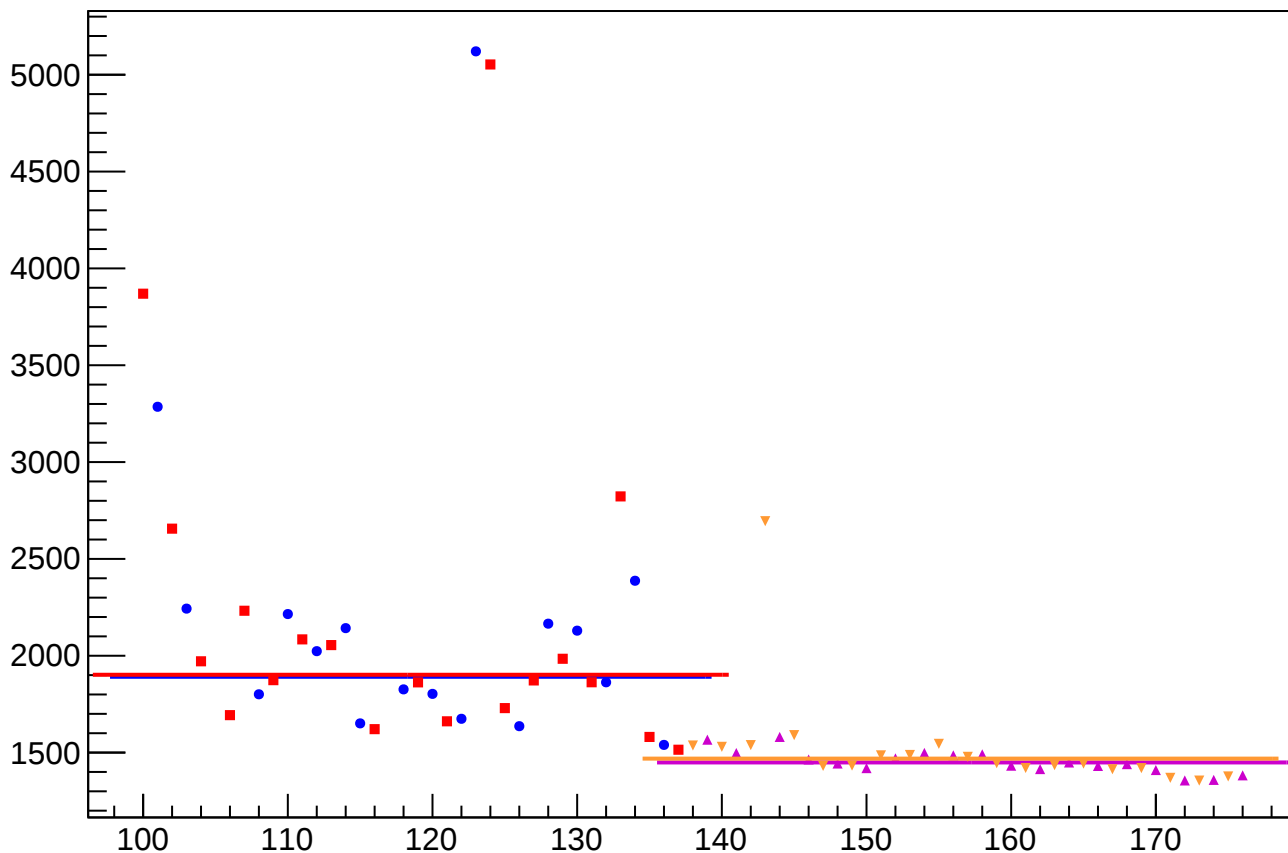
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: 119.732 ± 337.661 $\chi^2/\text{NDF}: 38.4/35$

Out: -947.320 ± 338.223 $\chi^2/\text{NDF}: 38.5/38$

All: -412.908 ± 238.961 $\chi^2/\text{NDF}: 81.9/74$

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: 1468.844+/-0.269 χ^2/NDF : 330296.7/19

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1449.033+/-0.267 χ^2/NDF : 46779.0/18

Left: 1458.860+/-0.190 χ^2/NDF : 379799.7/38

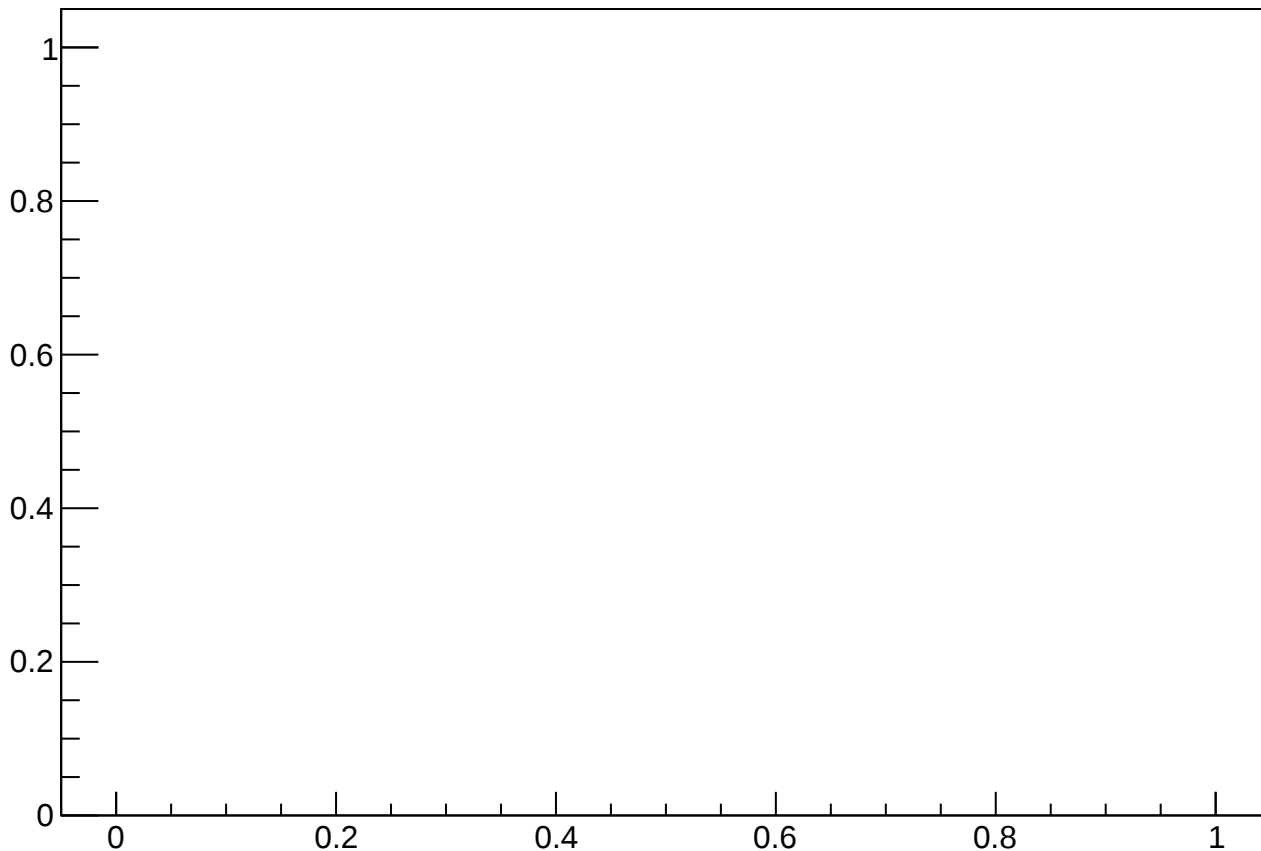
Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1538.586+/-0.239 χ^2/NDF : 1065659.3/35

Out: 1560.747+/-0.239 χ^2/NDF : 1338977.0/38

All: 1549.648+/-0.169 χ^2/NDF : 2408936.2/74

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

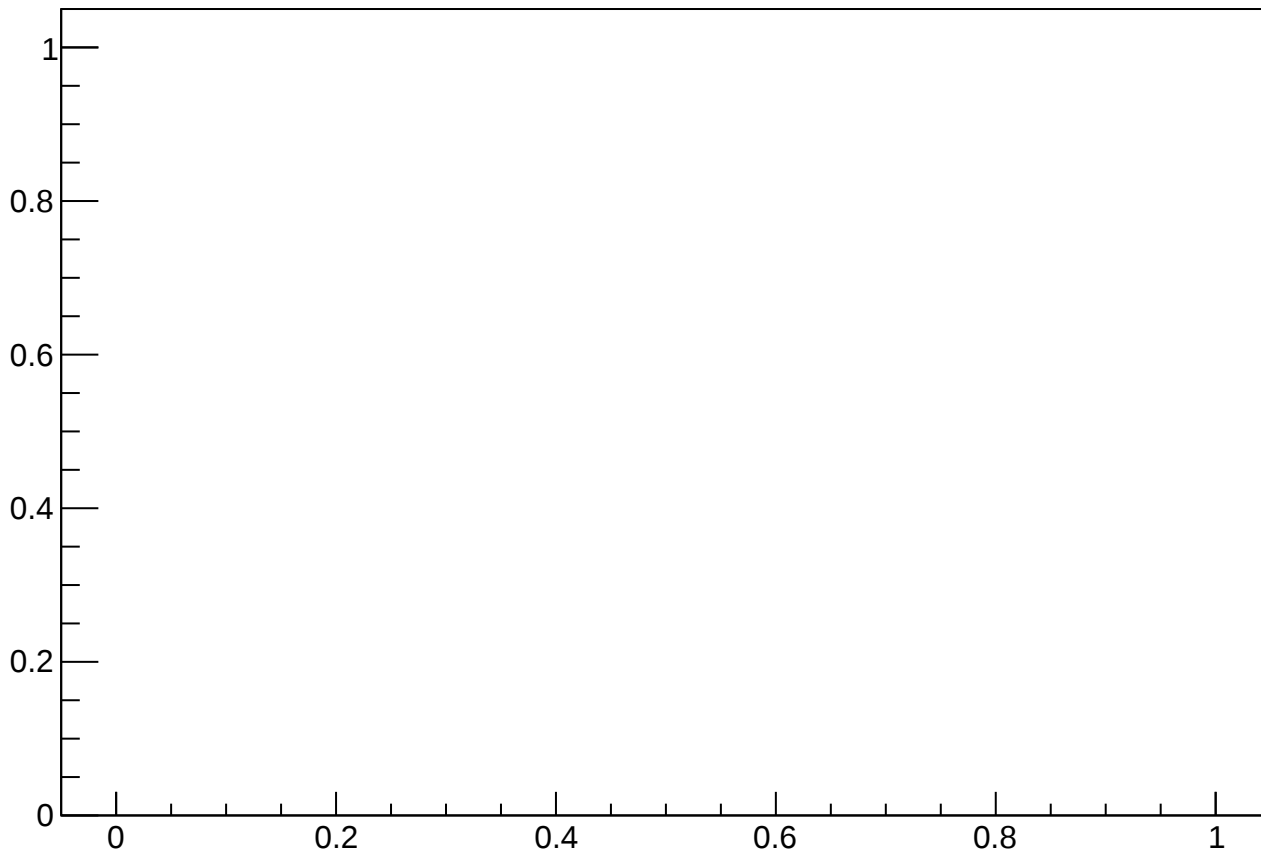
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

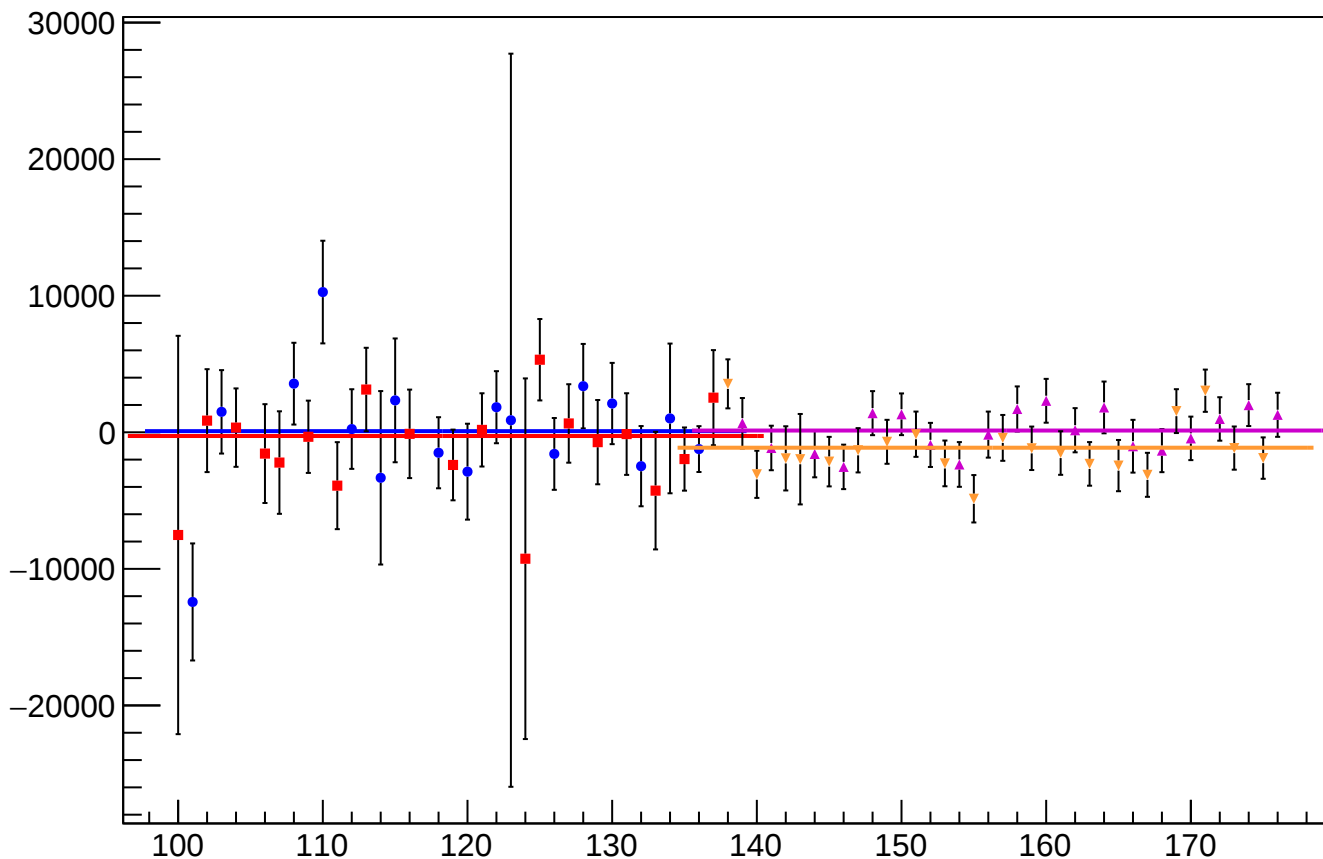
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -1129.102 ± 381.077 $\chi^2/\text{NDF}: 27.2/19$

Right Out: -272.707 ± 734.115 $\chi^2/\text{NDF}: 10.2/18$

Left In: 128.835 ± 378.084 $\chi^2/\text{NDF}: 15.5/18$

Left: -495.174 ± 268.398 $\chi^2/\text{NDF}: 48.3/38$

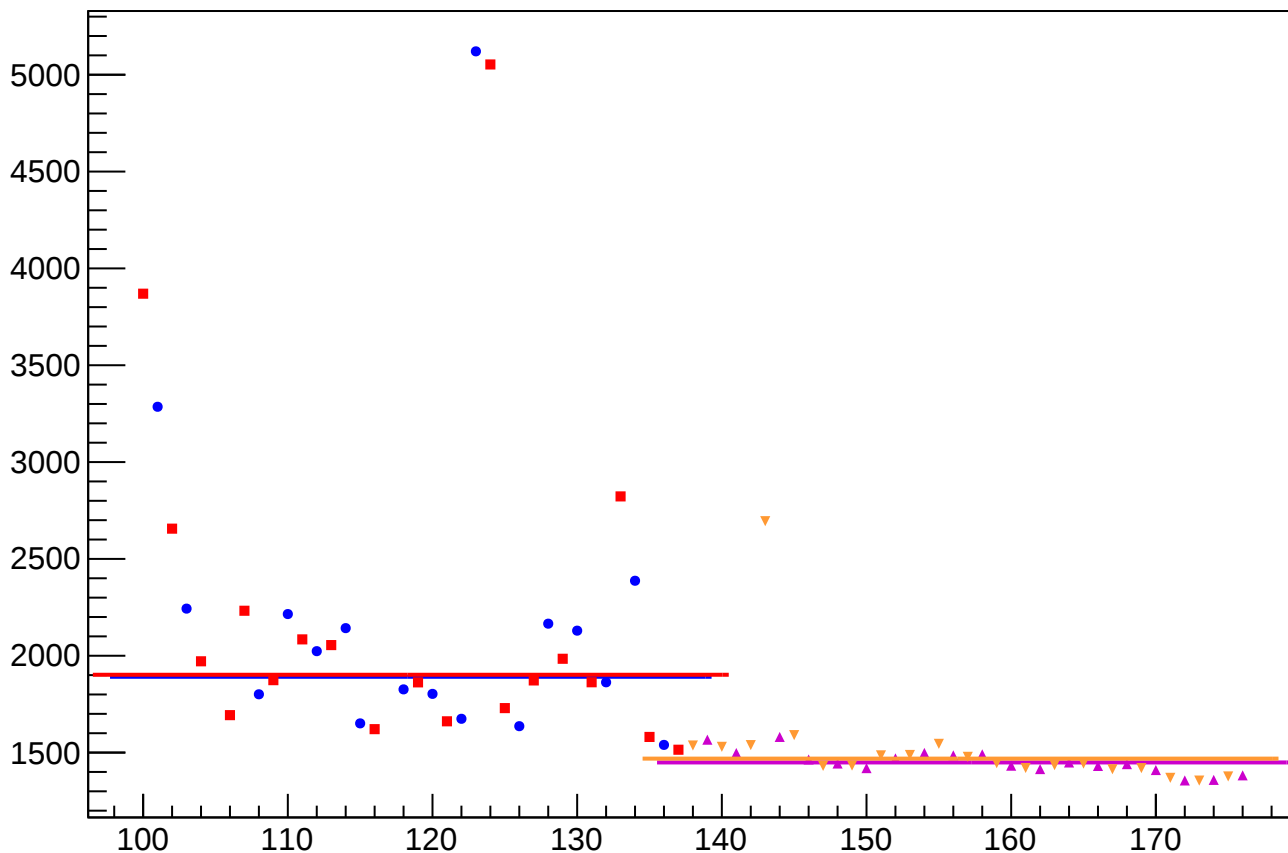
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: 119.732 ± 337.661 $\chi^2/\text{NDF}: 38.4/35$

Out: -947.320 ± 338.223 $\chi^2/\text{NDF}: 38.5/38$

All: -412.908 ± 238.961 $\chi^2/\text{NDF}: 81.9/74$

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: 1468.844 $\pm$ 0.269 χ^2 /NDF: 330296.7/19

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

Left In: 1449.033 $\pm$ 0.267 χ^2 /NDF: 46779.0/18

Left: 1458.860 $\pm$ 0.190 χ^2 /NDF: 379799.7/38

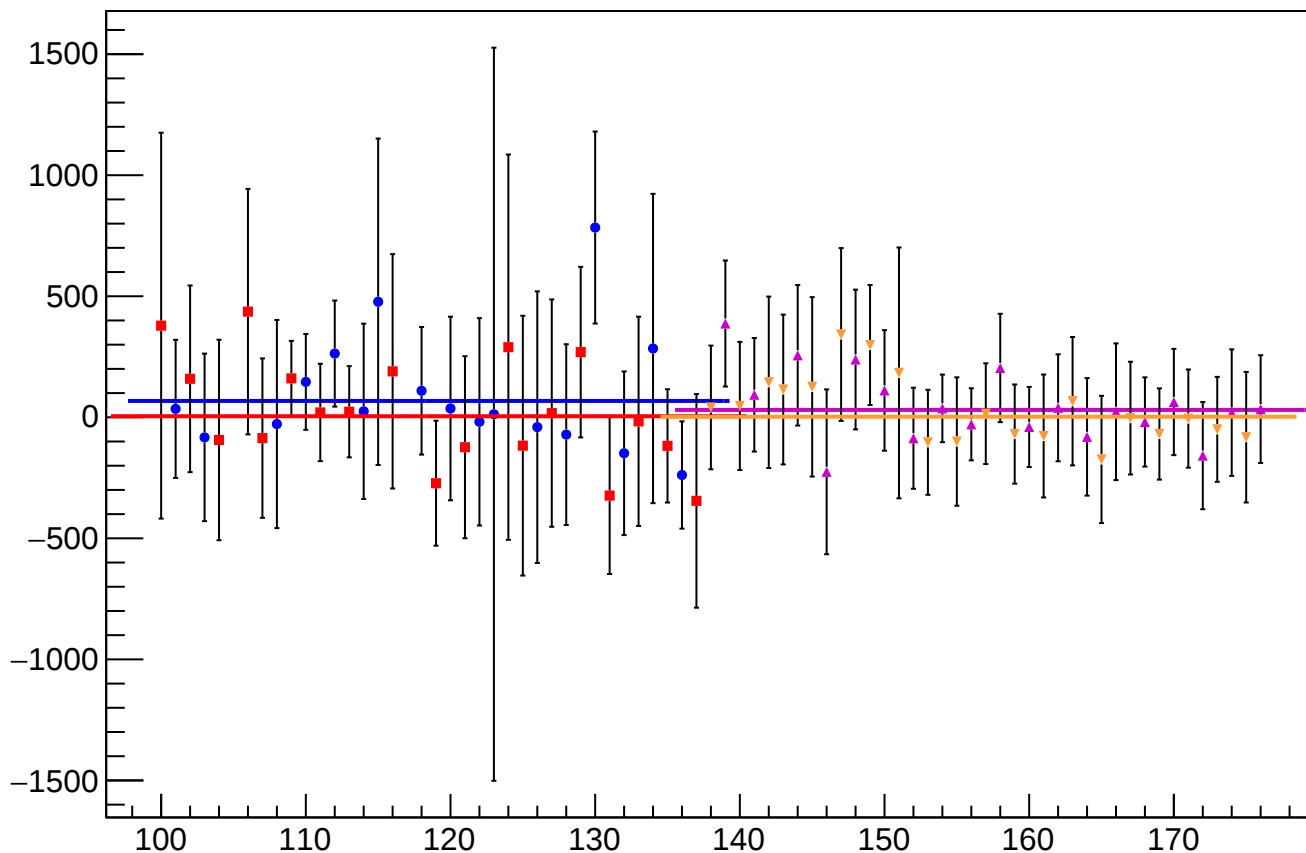
Right: 1896.759 $\pm$ 0.371 χ^2 /NDF: 925377.5/35

In: 1538.586 $\pm$ 0.239 χ^2 /NDF: 1065659.3/35

Out: 1560.747 $\pm$ 0.239 χ^2 /NDF: 1338977.0/38

All: 1549.648 $\pm$ 0.169 χ^2 /NDF: 2408936.2/74

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: 2.404 $\pm$ 56.286 χ^2 /NDF:4.3/19

Right Out: 4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

Left In: 30.424 $\pm$ 49.217 χ^2 /NDF:6.0/18

Left: 18.283 $\pm$ 37.050 χ^2 /NDF: 10.5/38

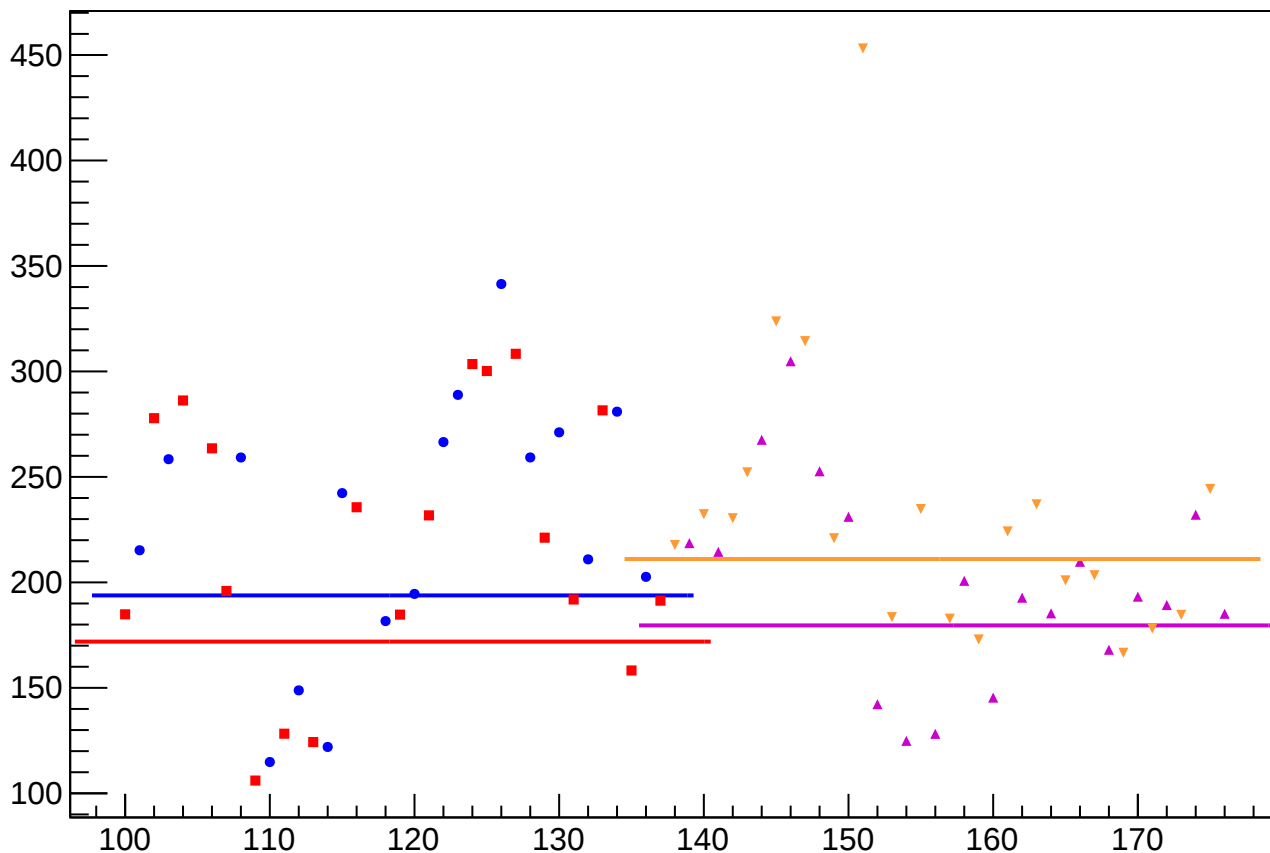
Right: 31.949 $\pm$ 52.572 χ^2 /NDF: 14.2/35

In: 40.688 $\pm$ 41.862 χ^2 /NDF:13.7/35

Out: 3.196 $\pm$ 43.867 χ^2 /NDF:10.7/38

All: 22.818 $\pm$ 30.285 χ^2 /NDF: 24.8/74

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 211.063+/-0.040 χ^2/NDF :1255473.0/19

Right Out: 171.920+/-0.050 χ^2/NDF : 1577076.0/18

Left In: 179.600+/-0.035 χ^2/NDF :1602086.8/18

Left: 193.233+/-0.026 χ^2/NDF : 3211695.8/38

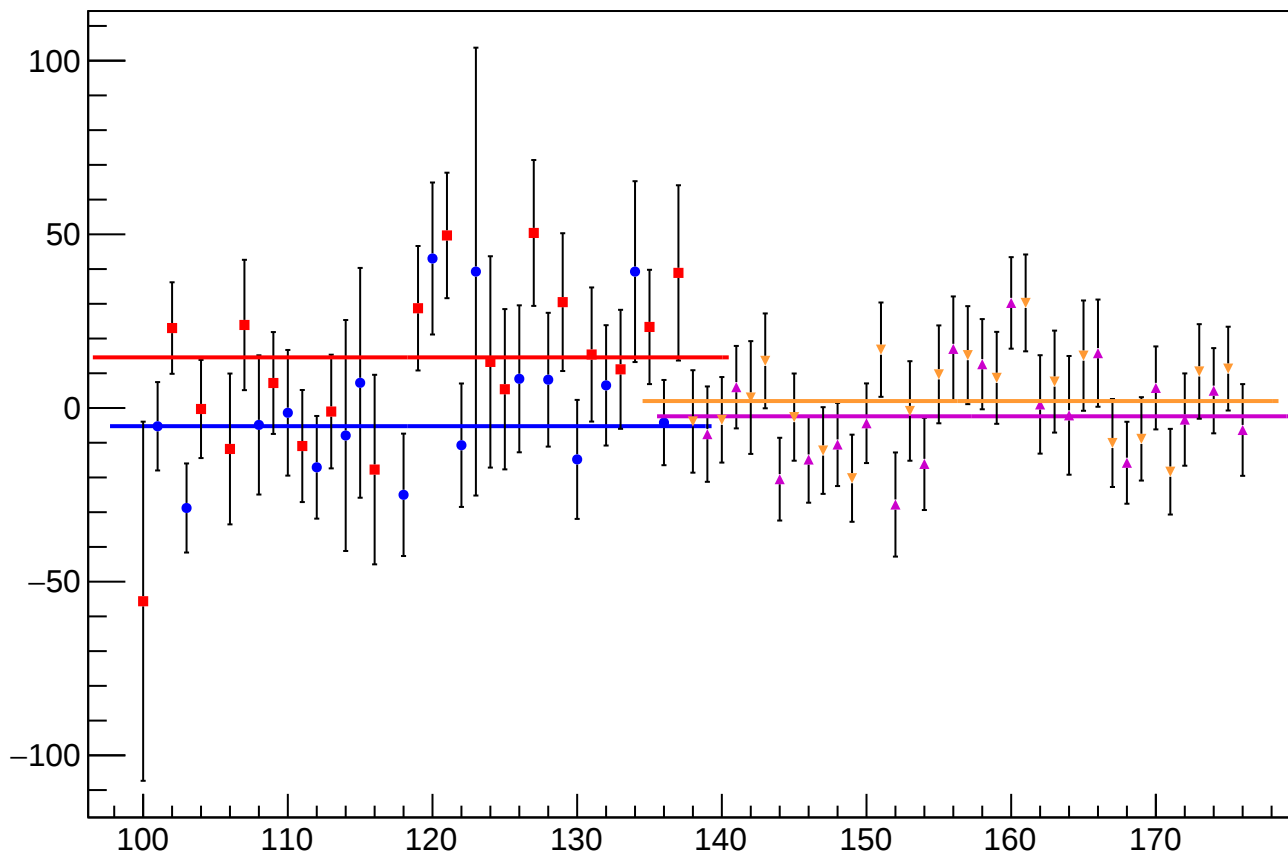
Right: 181.469+/-0.037 χ^2/NDF : 2672713.5/35

In: 183.531+/-0.030 χ^2/NDF :2658546.1/35

Out: 195.695+/-0.031 χ^2/NDF :3212293.3/38

All: 189.329+/-0.021 χ^2/NDF : 5951322.7/74

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: 1.998 ± 2.998 $\chi^2/\text{NDF}: 18.7/19$

Right Out: 14.579 ± 4.265 $\chi^2/\text{NDF}: 19.5/18$

Left In: -2.386 ± 2.994 $\chi^2/\text{NDF}: 21.2/18$

Left: -0.197 ± 2.118 $\chi^2/\text{NDF}: 40.9/38$

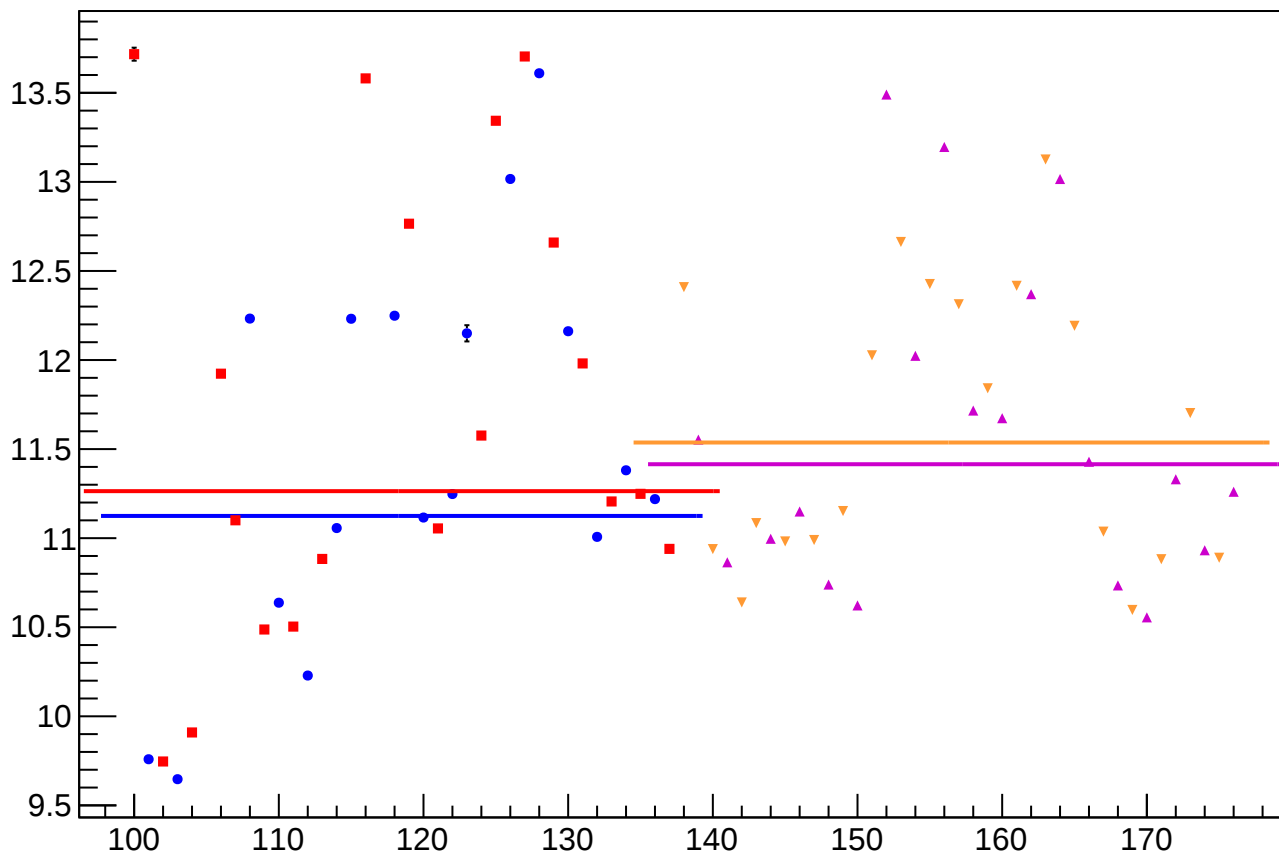
Right: 4.883 ± 3.047 $\chi^2/\text{NDF}: 45.6/35$

In: -3.299 ± 2.468 $\chi^2/\text{NDF}: 36.9/35$

Out: 6.157 ± 2.452 $\chi^2/\text{NDF}: 44.0/38$

All: 1.458 ± 1.739 $\chi^2/\text{NDF}: 88.4/74$

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: 11.537 $\pm$ 0.002 χ^2 /NDF:121564.2/19

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

Left In: 11.415 $\pm$ 0.002 χ^2 /NDF:143098.4/18

Left: 11.476 $\pm$ 0.001 χ^2 /NDF: 266318.9/38

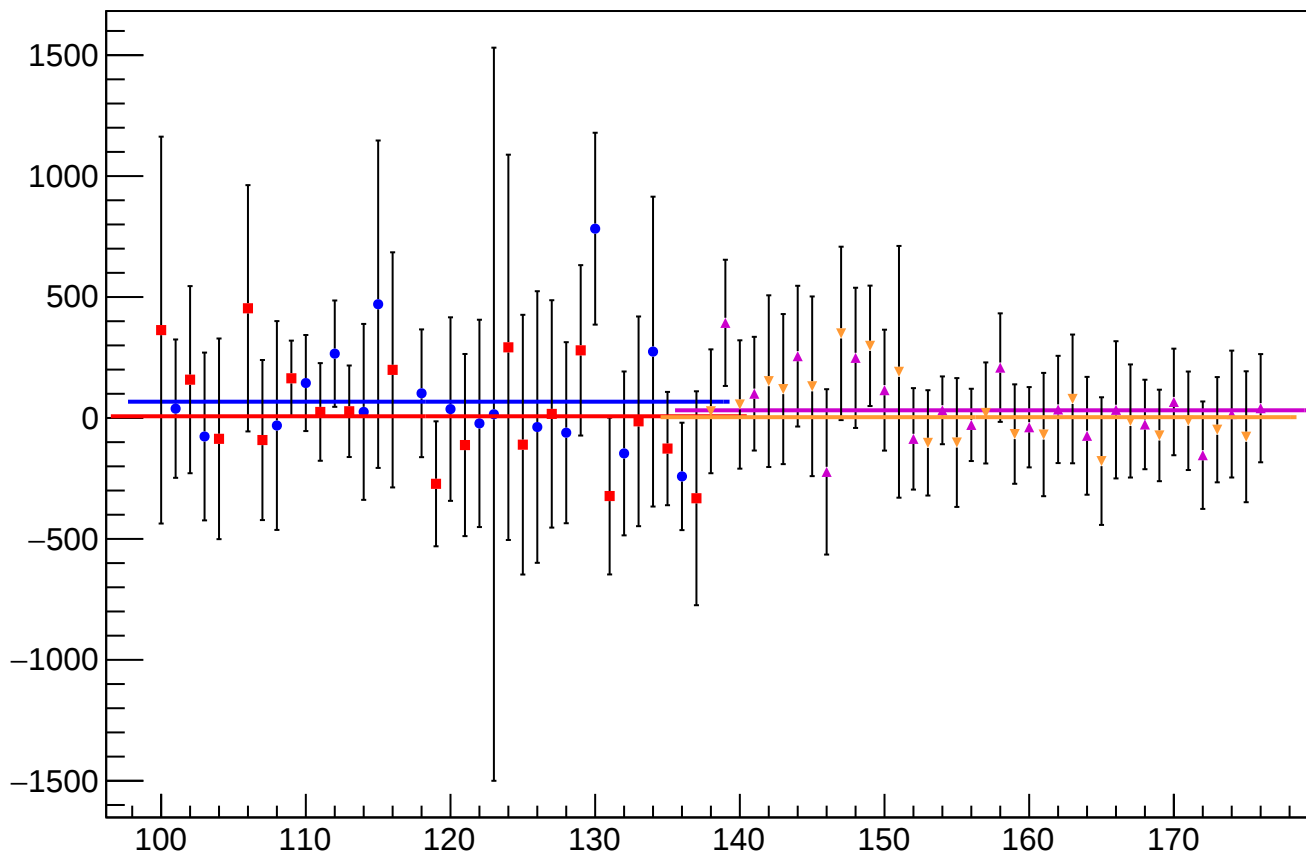
Right: 11.196 $\pm$ 0.002 χ^2 /NDF: 281295.0/35

In: 11.322 $\pm$ 0.002 χ^2 /NDF:281648.6/35

Out: 11.447 $\pm$ 0.002 χ^2 /NDF:274783.8/38

All: 11.385 $\pm$ 0.001 χ^2 /NDF: 559005.7/74

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 3.317+/-56.484 χ^2/NDF : 4.4/19

Right Out: 7.039+/-70.212 χ^2/NDF : 6.4/18

Left In: 31.761+/-49.389 χ^2/NDF : 6.1/18

Left: 19.436+/-37.181 χ^2/NDF : 10.7/38

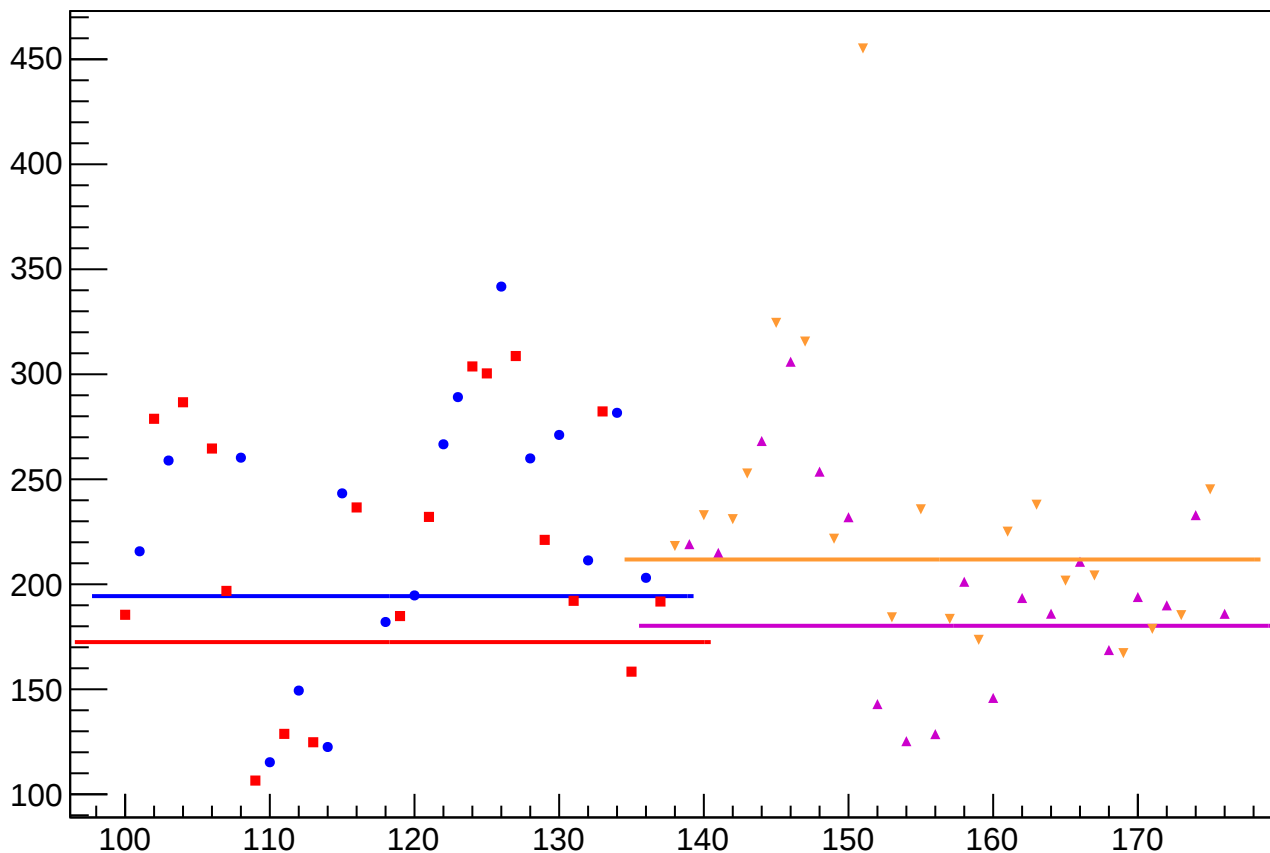
Right: 33.329+/-52.718 χ^2/NDF : 14.2/35

In: 41.602+/-41.999 χ^2/NDF : 13.7/35

Out: 4.779+/-44.011 χ^2/NDF : 10.9/38

All: 24.051+/-30.384 χ^2/NDF : 25.0/74

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: 211.808+/-0.040 χ^2/NDF : 1254517.6/19

Right Out: 172.471+/-0.050 χ^2/NDF : 1569648.4/18

Left In: 180.236+/-0.035 χ^2/NDF : 1600373.9/18

Left: 193.916+/-0.026 χ^2/NDF : 3209008.0/38

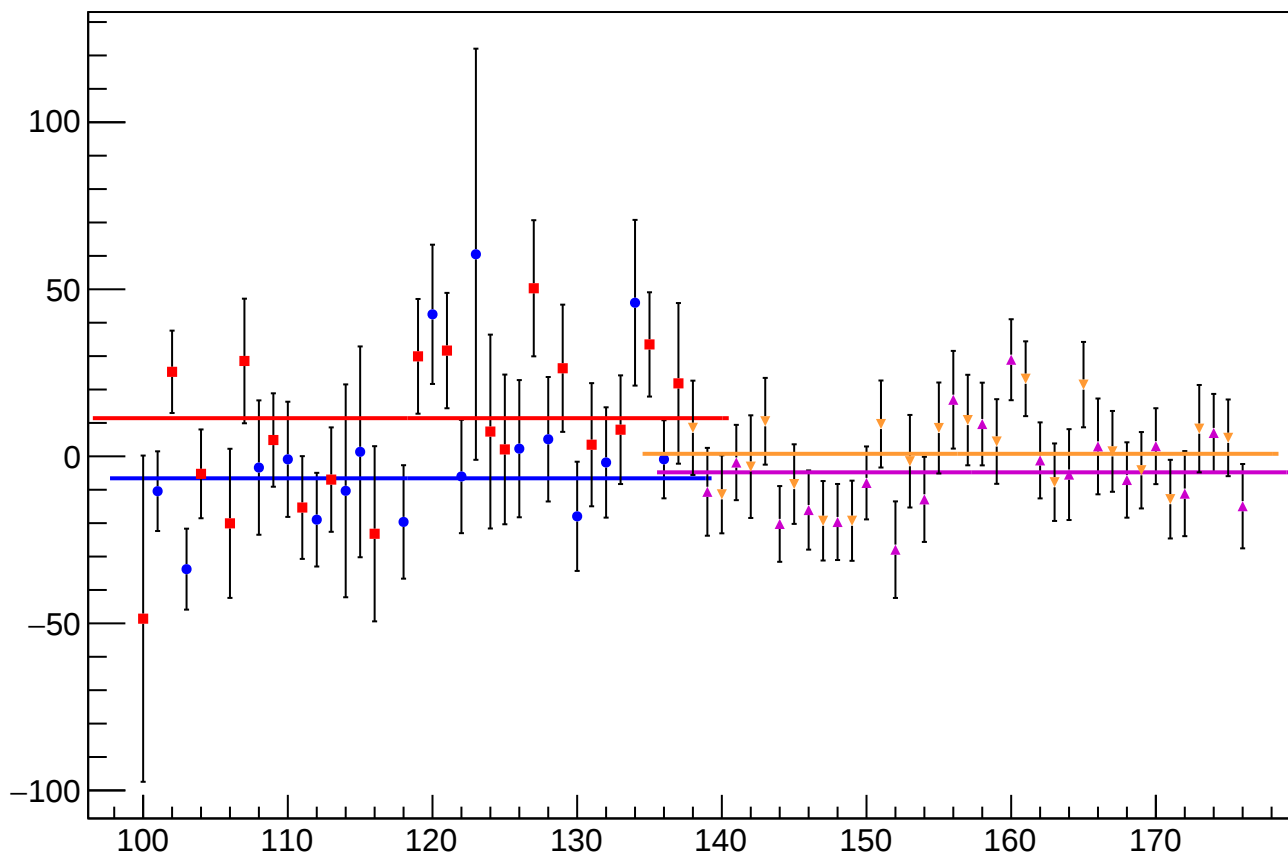
Right: 182.022+/-0.037 χ^2/NDF : 2659717.0/35

In: 184.148+/-0.030 χ^2/NDF : 2650928.8/35

Out: 196.352+/-0.031 χ^2/NDF : 3205279.2/38

All: 189.965+/-0.021 χ^2/NDF : 5936703.3/74

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: 0.758 ± 2.790 $\chi^2/\text{NDF}: 18.9/19$

Right Out: 11.423 ± 4.080 $\chi^2/\text{NDF}: 23.0/18$

Left In: -4.786 ± 2.806 $\chi^2/\text{NDF}: 21.9/18$

Left: -1.998 ± 1.979 $\chi^2/\text{NDF}: 42.8/38$

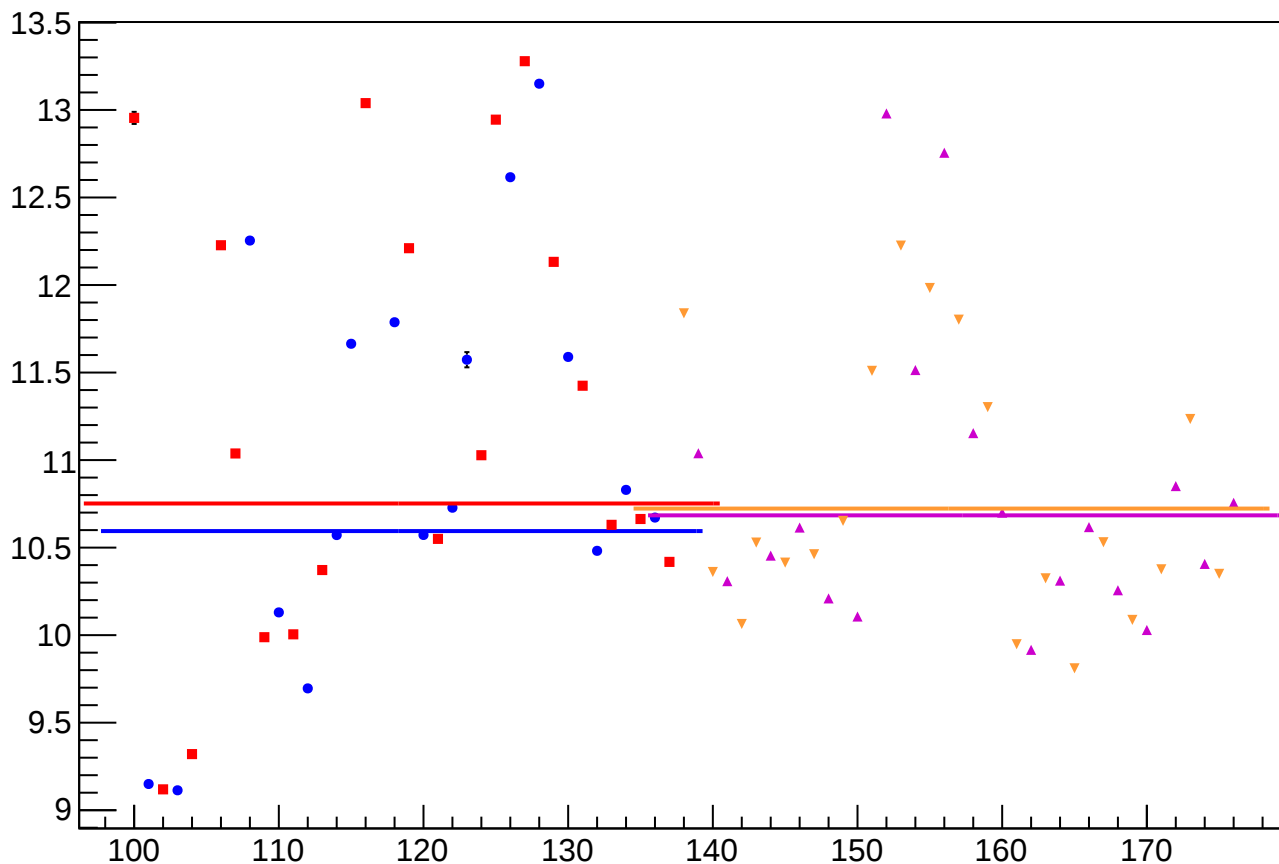
Right: 2.593 ± 2.912 $\chi^2/\text{NDF}: 51.8/35$

In: -5.346 ± 2.326 $\chi^2/\text{NDF}: 41.4/35$

Out: 4.157 ± 2.303 $\chi^2/\text{NDF}: 46.5/38$

All: -0.548 ± 1.637 $\chi^2/\text{NDF}: 96.3/74$

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: 10.723 $\pm$ 0.002 χ^2 /NDF:121480.9/19

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

Left In: 10.684 $\pm$ 0.002 χ^2 /NDF:137329.1/18

Left: 10.704 $\pm$ 0.001 χ^2 /NDF: 259001.5/38

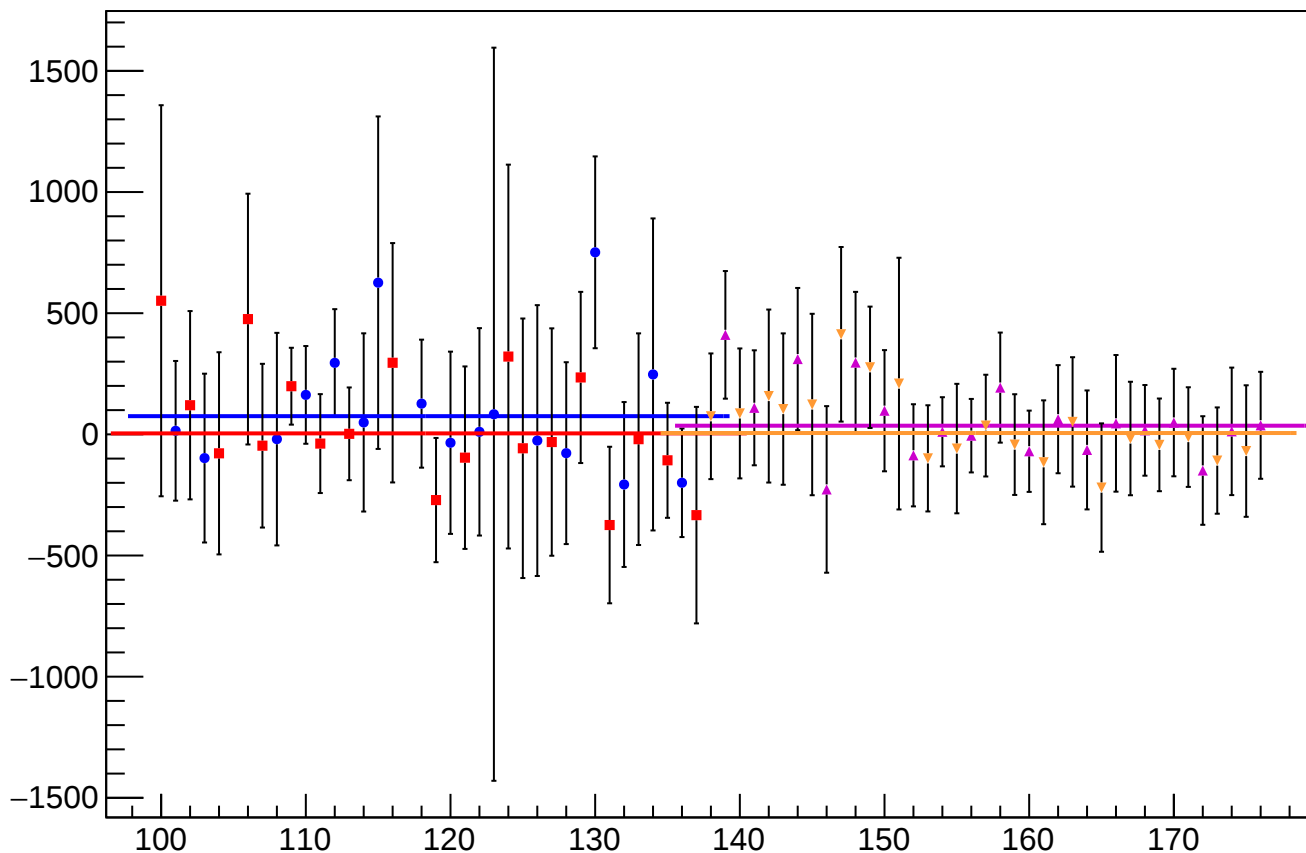
Right: 10.675 $\pm$ 0.002 χ^2 /NDF: 338695.4/35

In: 10.656 $\pm$ 0.002 χ^2 /NDF:298029.2/35

Out: 10.732 $\pm$ 0.002 χ^2 /NDF:298722.8/38

All: 10.695 $\pm$ 0.001 χ^2 /NDF: 597832.8/74

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: 5.506 $\pm$ 56.867 χ^2 /NDF:4.9/19

Right Out: 3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

Left In: 35.701 $\pm$ 49.808 χ^2 /NDF:6.6/18

Left: 22.592 $\pm$ 37.468 χ^2 /NDF: 11.7/38

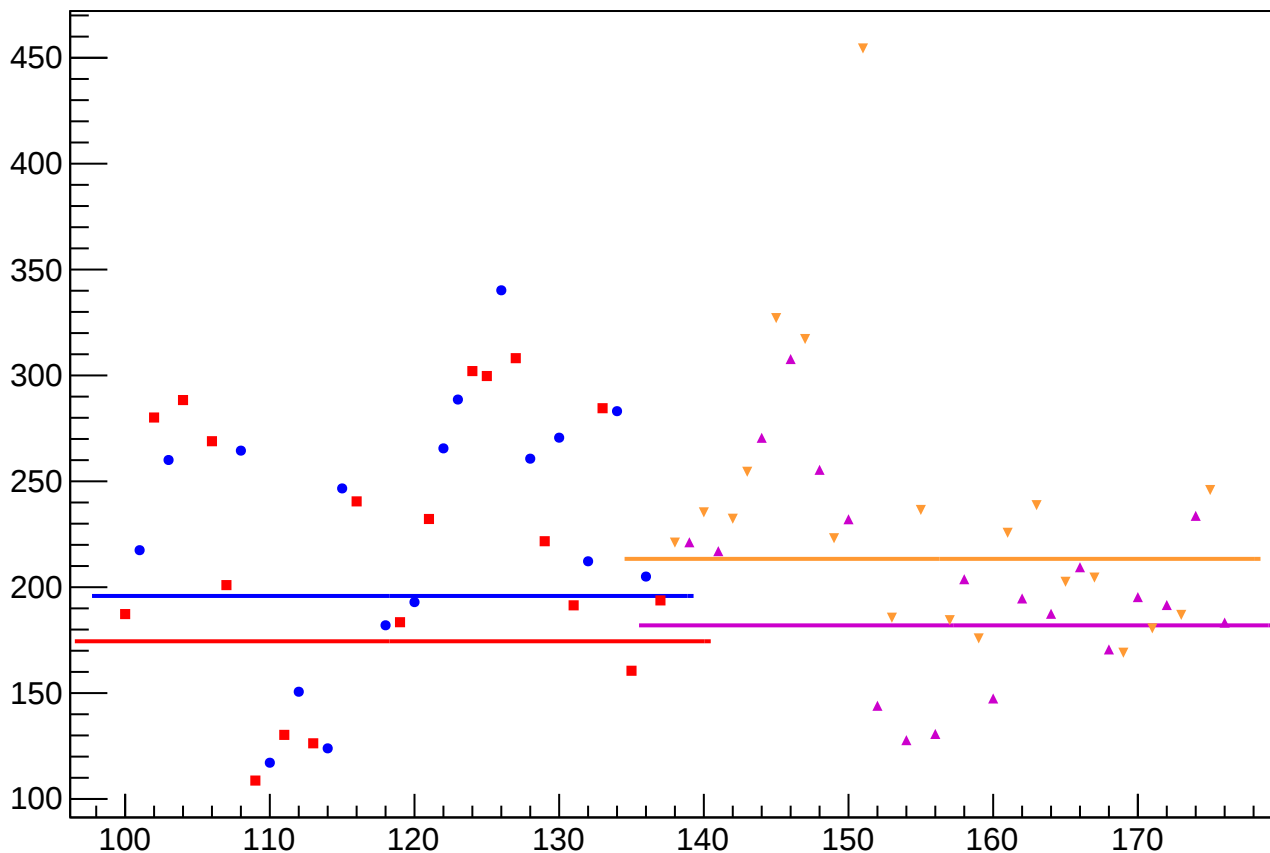
Right: 35.109 $\pm$ 53.156 χ^2 /NDF: 15.5/35

In: 46.633 $\pm$ 42.334 χ^2 /NDF:14.5/35

Out: 4.916 $\pm$ 44.357 χ^2 /NDF:12.2/38

All: 26.747 $\pm$ 30.625 χ^2 /NDF: 27.2/74

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: 213.384 $\pm$ 0.040 χ^2 /NDF:1235280.9/19

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

Left In: 181.979 $\pm$ 0.035 χ^2 /NDF:1552357.7/18

Left: 195.612 $\pm$ 0.026 χ^2 /NDF: 3132805.2/38

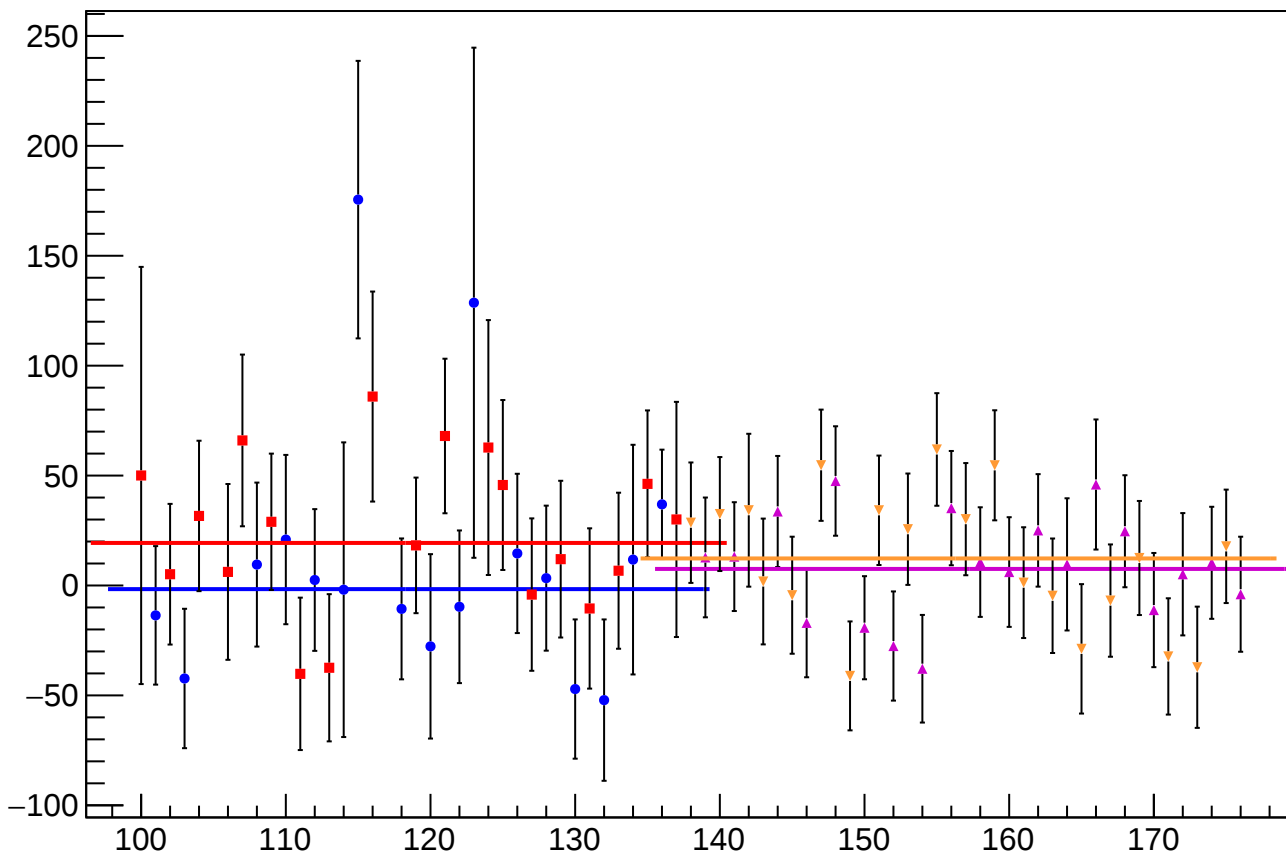
Right: 183.832 $\pm$ 0.038 χ^2 /NDF: 2587830.9/35

In: 185.835 $\pm$ 0.030 χ^2 /NDF:2574778.5/35

Out: 198.144 $\pm$ 0.031 χ^2 /NDF:3130882.1/38

All: 191.702 $\pm$ 0.022 χ^2 /NDF: 5786258.6/74

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 12.302 ± 5.896 χ^2/NDF : 26.7/19

Right Out: 19.357 ± 8.556 χ^2/NDF : 14.8/18

Left In: 7.532 ± 5.904 χ^2/NDF : 16.0/18

Left: 9.921 ± 4.172 χ^2/NDF : 43.0/38

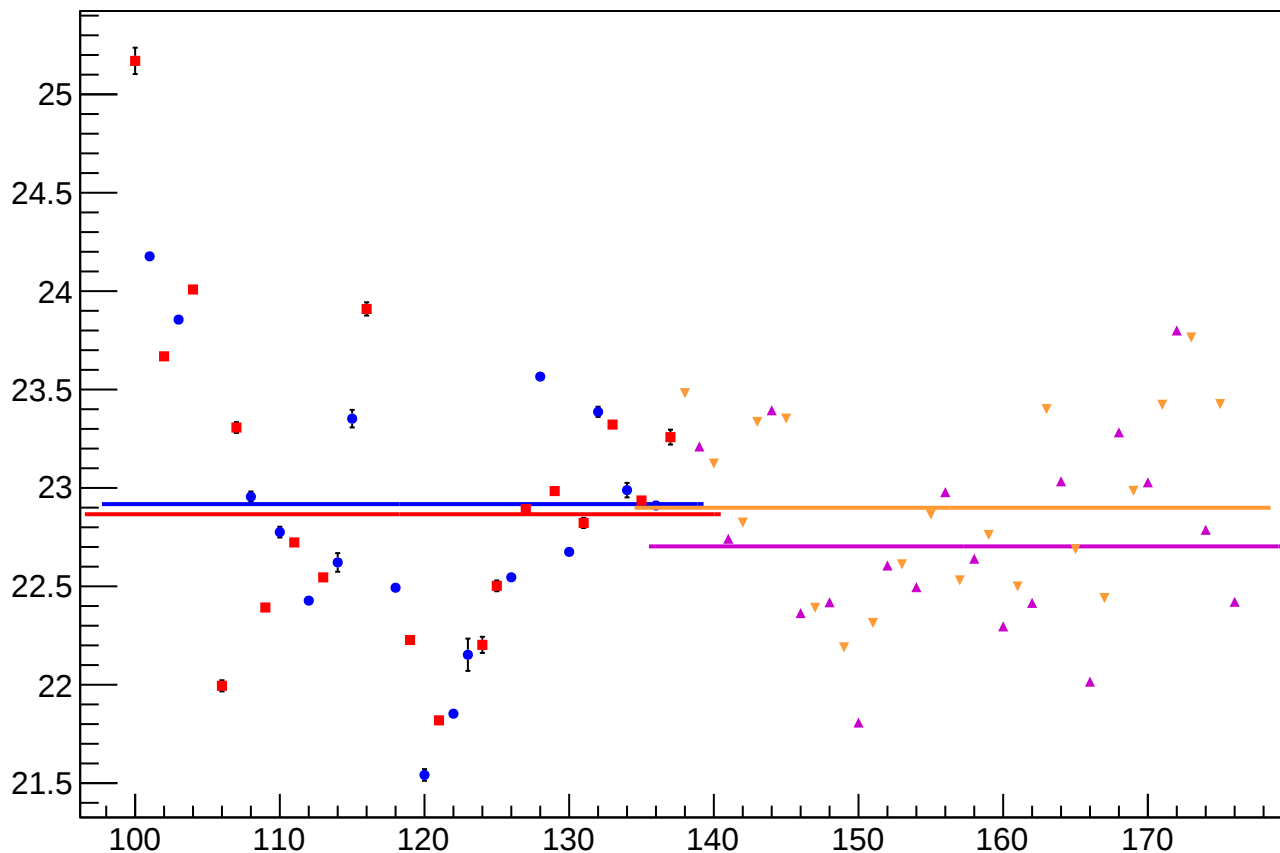
Right: 9.244 ± 6.162 χ^2/NDF : 36.2/35

In: 4.716 ± 4.917 χ^2/NDF : 35.2/35

Out: 14.574 ± 4.855 χ^2/NDF : 42.0/38

All: 9.708 ± 3.455 χ^2/NDF : 79.2/74

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: 22.899 $\pm$ 0.004 χ^2 /NDF:11998.7/19

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

Left In: 22.703 $\pm$ 0.004 χ^2 /NDF:12974.4/18

Left: 22.801 $\pm$ 0.003 χ^2 /NDF: 26080.4/38

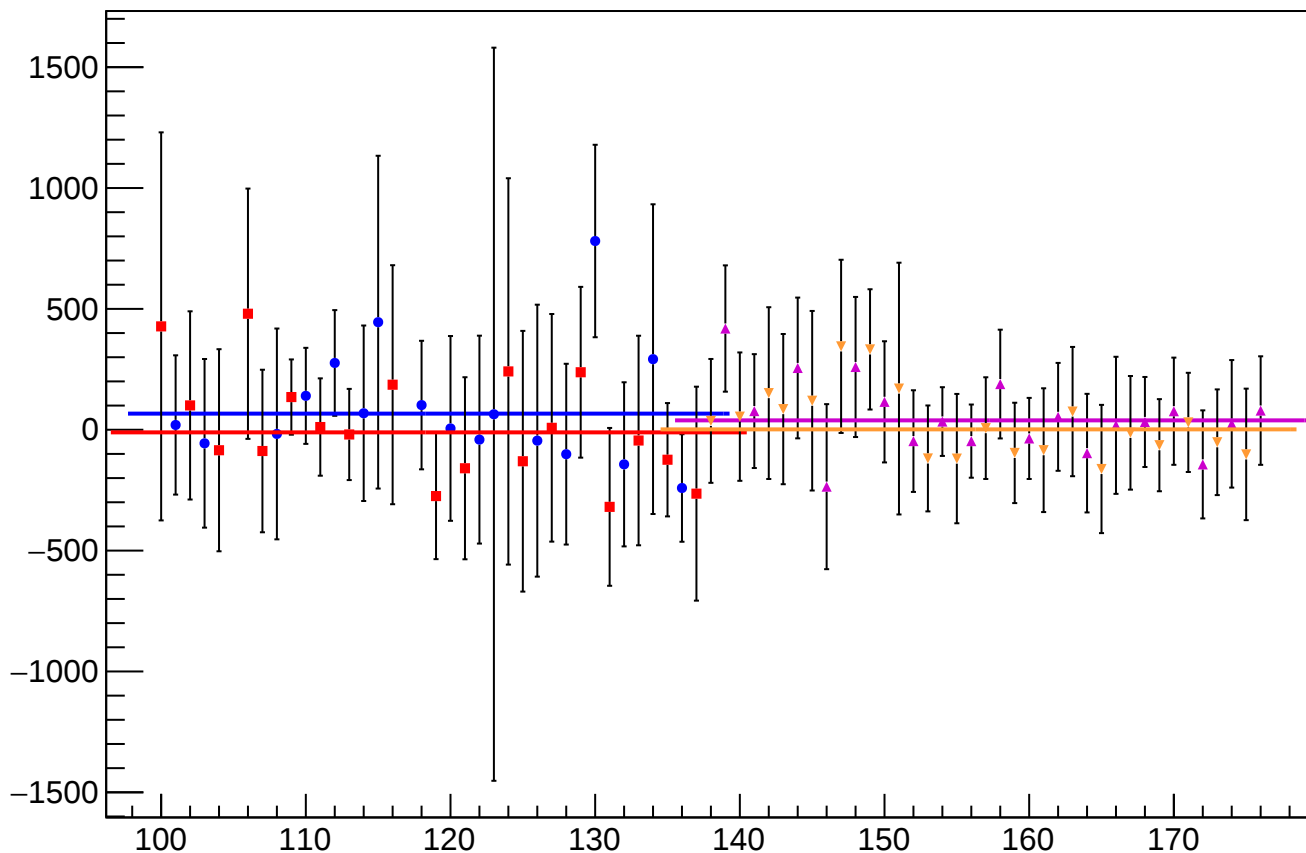
Right: 22.891 $\pm$ 0.004 χ^2 /NDF: 22559.6/35

In: 22.769 $\pm$ 0.003 χ^2 /NDF:25258.4/35

Out: 22.889 $\pm$ 0.003 χ^2 /NDF:23071.4/38

All: 22.830 $\pm$ 0.002 χ^2 /NDF: 48931.6/74

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: 1.550 $\pm$ 56.755 χ^2 /NDF:4.8/19

Right Out: -10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

Left In: 38.816 $\pm$ 49.727 χ^2 /NDF:6.2/18

Left: 22.632 $\pm$ 37.402 χ^2 /NDF: 11.3/38

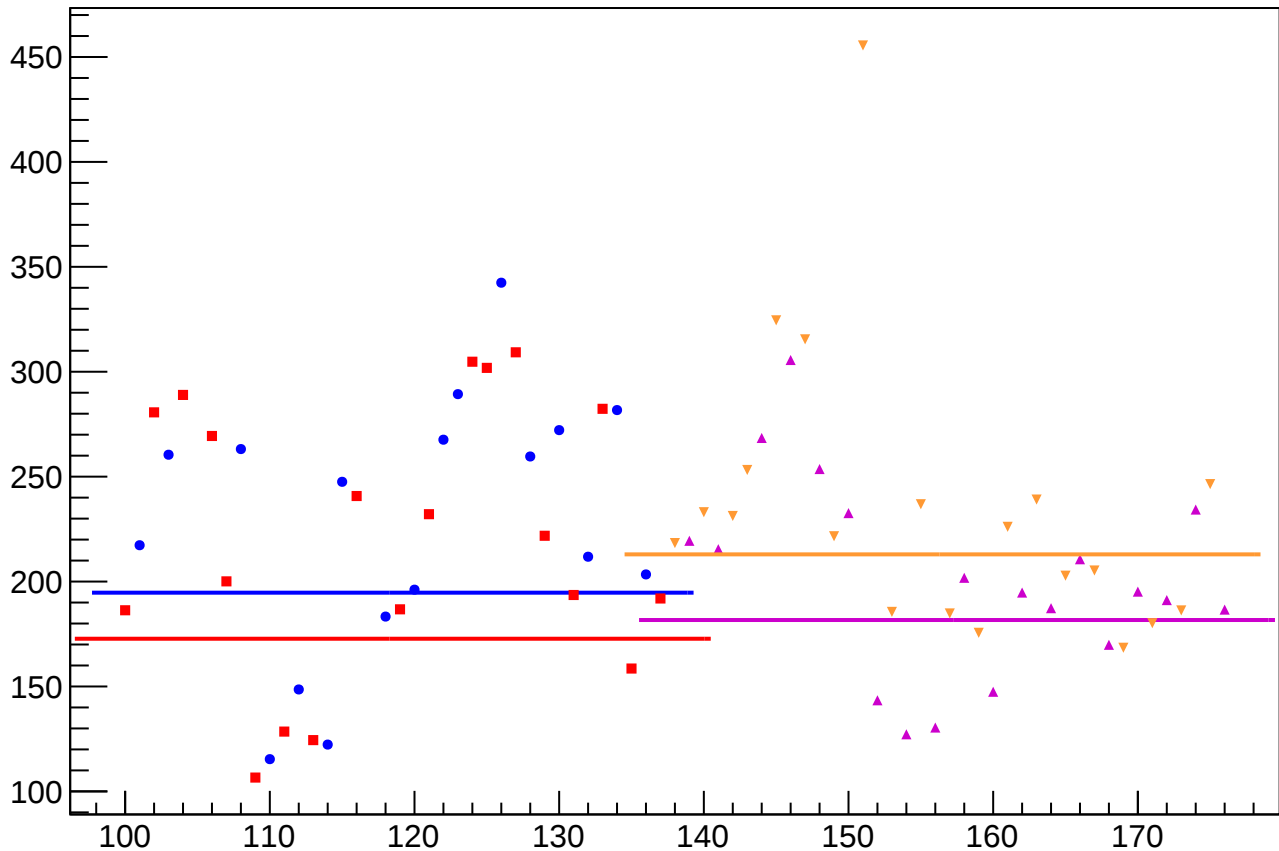
Right: 22.979 $\pm$ 52.843 χ^2 /NDF: 13.8/35

In: 46.588 $\pm$ 42.232 χ^2 /NDF:13.8/35

Out: -3.344 $\pm$ 44.182 χ^2 /NDF:10.6/38

All: 22.748 $\pm$ 30.529 χ^2 /NDF: 25.0/74

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: 212.959 $\pm$ 0.040 χ^2 /NDF:1229031.1/19

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

Left In: 181.675 $\pm$ 0.035 χ^2 /NDF:1546268.6/18

Left: 195.261 $\pm$ 0.026 χ^2 /NDF: 3119080.4/38

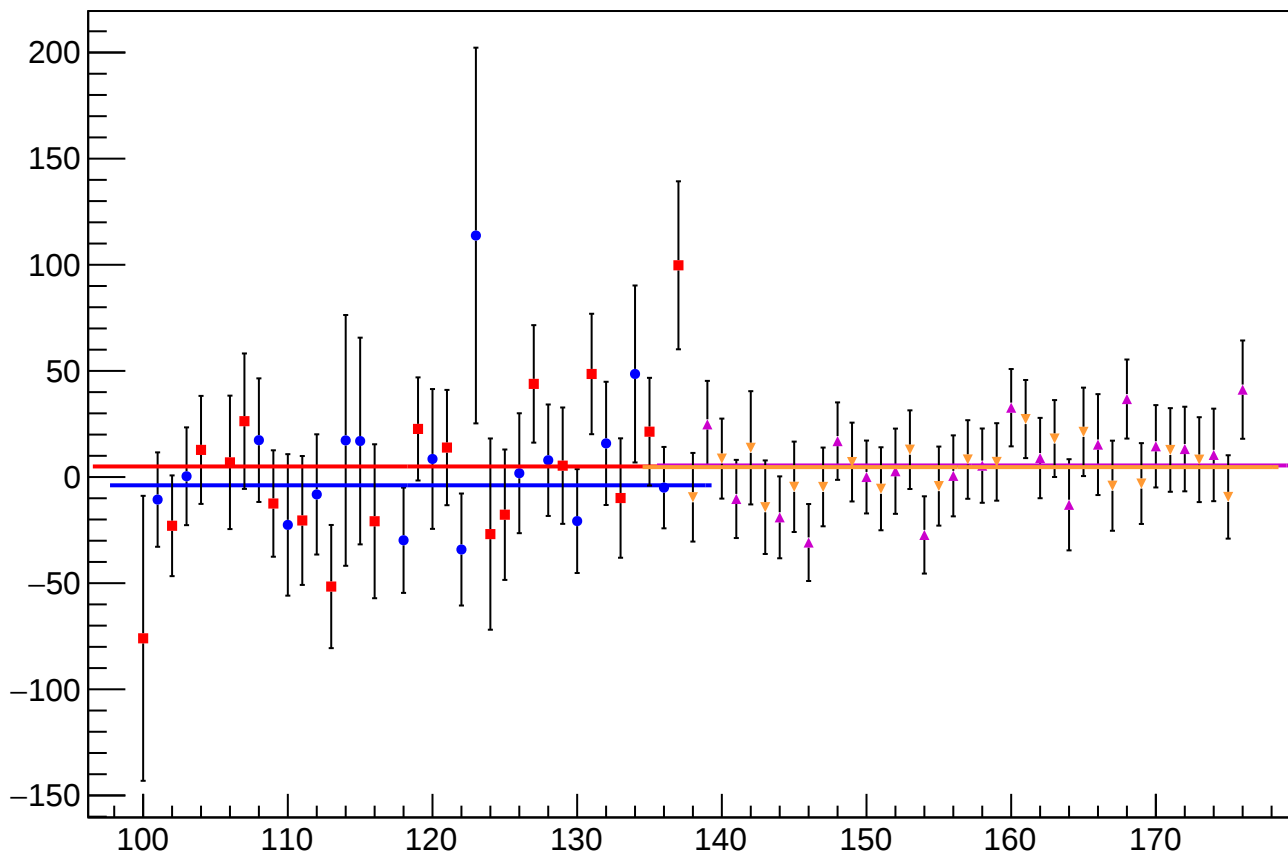
Right: 182.331 $\pm$ 0.037 χ^2 /NDF: 2701685.9/35

In: 185.306 $\pm$ 0.030 χ^2 /NDF:2604404.0/35

Out: 197.118 $\pm$ 0.031 χ^2 /NDF:3221433.1/38

All: 190.945 $\pm$ 0.022 χ^2 /NDF: 5900538.2/74

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: 4.672 ± 4.391 χ^2/NDF : 6.3/19

Right Out: 4.985 ± 6.727 χ^2/NDF : 21.3/18

Left In: 5.458 ± 4.439 χ^2/NDF : 19.9/18

Left: 5.061 ± 3.122 χ^2/NDF : 26.2/38

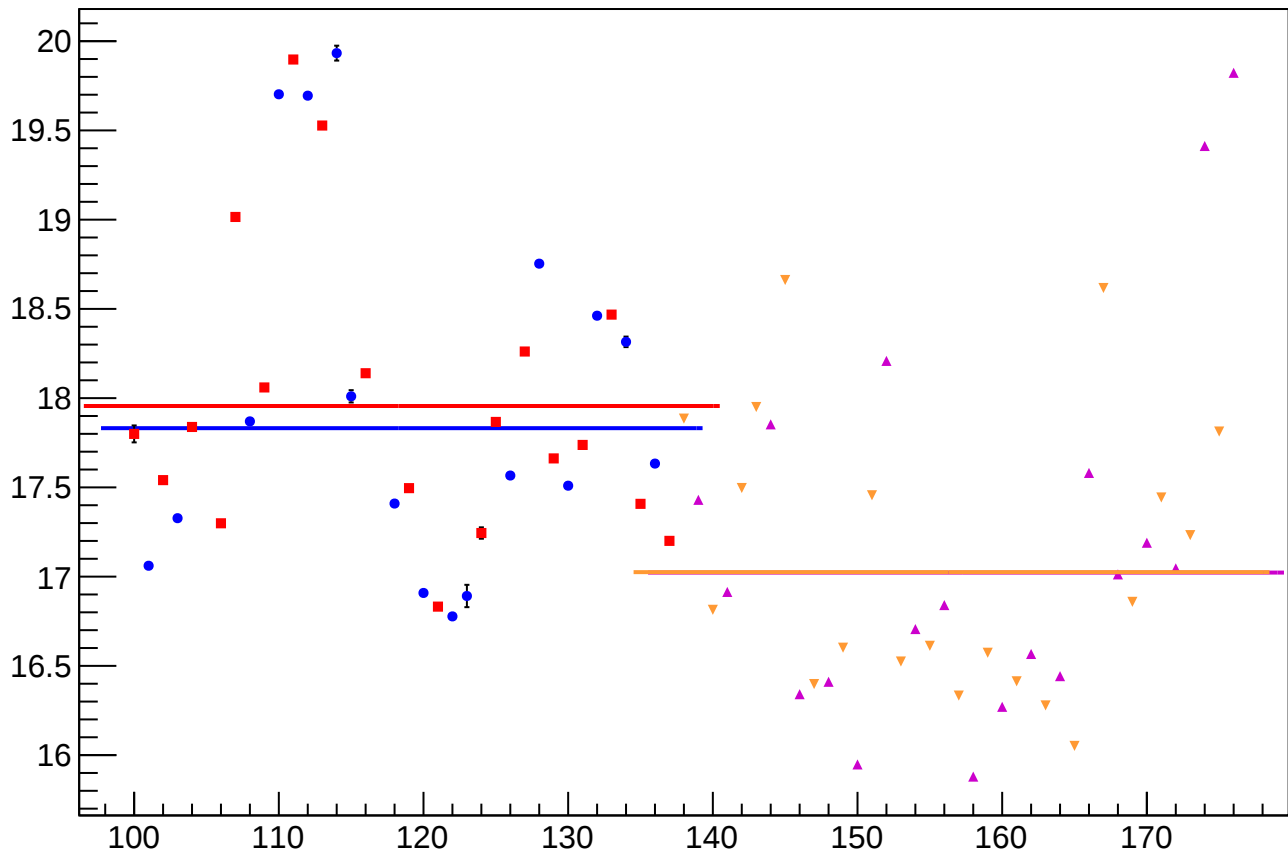
Right: 0.668 ± 4.822 χ^2/NDF : 30.6/35

In: 2.729 ± 3.736 χ^2/NDF : 29.5/35

Out: 4.766 ± 3.677 χ^2/NDF : 27.7/38

All: 3.763 ± 2.621 χ^2/NDF : 57.4/74

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: 17.025 $\pm$ 0.003 χ^2 /NDF: 56077.0/19

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

Left In: 17.023 $\pm$ 0.003 χ^2 /NDF: 94357.5/18

Left: 17.024 $\pm$ 0.002 χ^2 /NDF: 150434.8/38

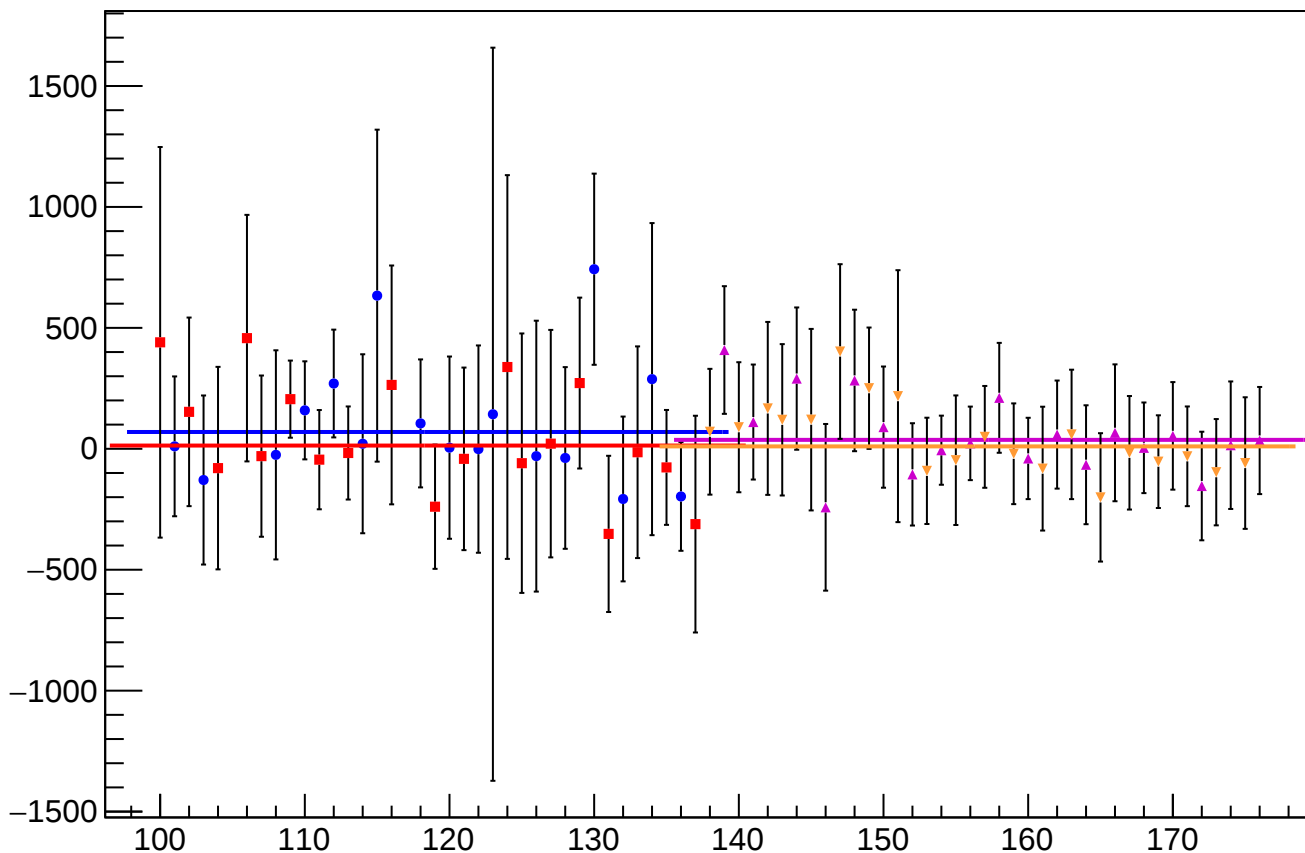
Right: 17.896 $\pm$ 0.003 χ^2 /NDF: 56643.8/35

In: 17.259 $\pm$ 0.003 χ^2 /NDF: 144607.7/35

Out: 17.303 $\pm$ 0.003 χ^2 /NDF: 108380.6/38

All: 17.281 $\pm$ 0.002 χ^2 /NDF: 253131.8/74

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 9.980 $\pm$ 56.993 χ^2 /NDF:4.4/19

Right Out: 13.410 $\pm$ 71.041 χ^2 /NDF: 6.7/18

Left In: 36.956 $\pm$ 49.913 χ^2 /NDF:6.5/18

Left: 25.247 $\pm$ 37.549 χ^2 /NDF: 11.0/38

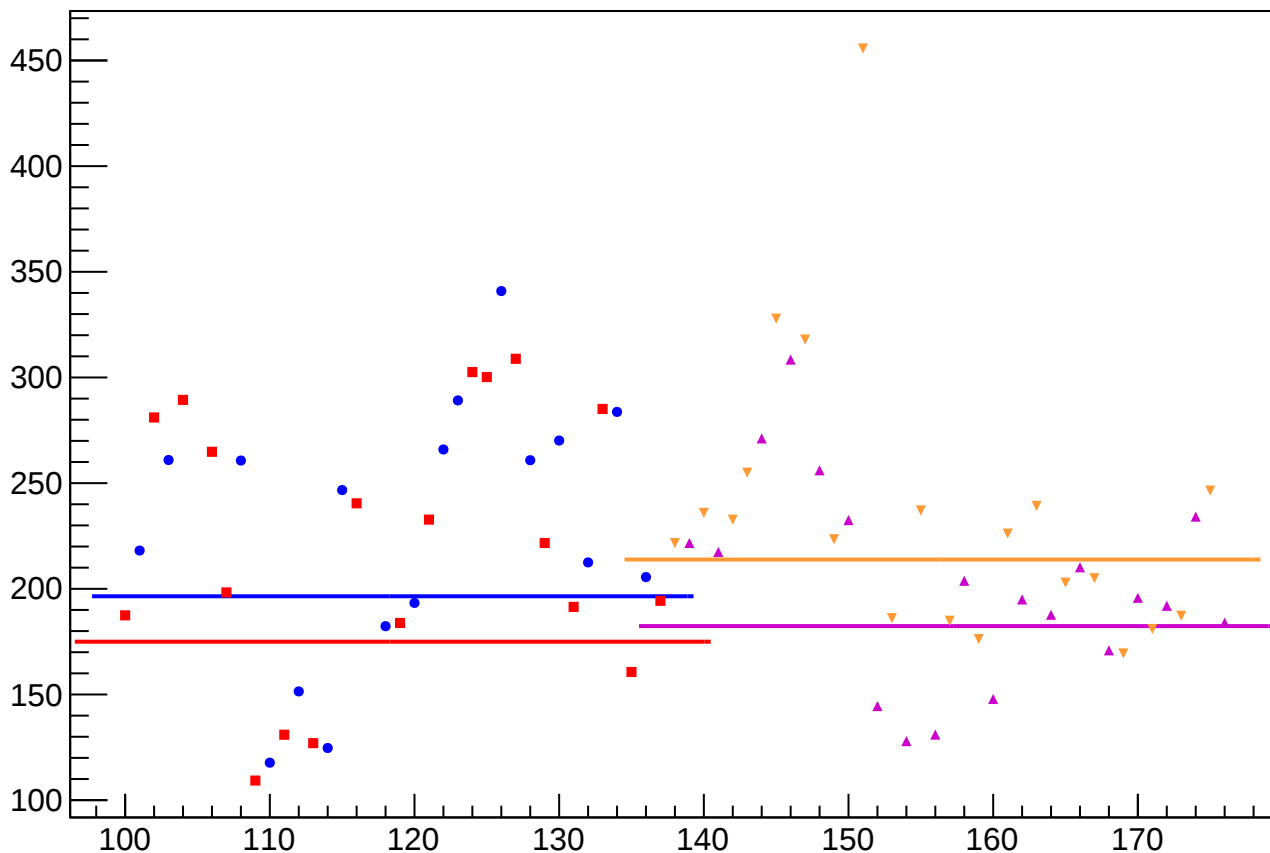
Right: 37.955 $\pm$ 53.280 χ^2 /NDF: 14.4/35

In: 45.988 $\pm$ 42.428 χ^2 /NDF:14.0/35

Out: 11.323 $\pm$ 44.455 χ^2 /NDF:11.1/38

All: 29.464 $\pm$ 30.693 χ^2 /NDF: 25.4/74

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470+/-0.057 χ^2/NDF : 964281.5/16

Left Out: 213.855+/-0.040 χ^2/NDF :1235520.6/19

Right Out: 174.981+/-0.050 χ^2/NDF : 1511102.3/18

Left In: 182.361+/-0.035 χ^2/NDF :1552146.9/18

Left: 196.031+/-0.027 χ^2/NDF : 3133301.1/38

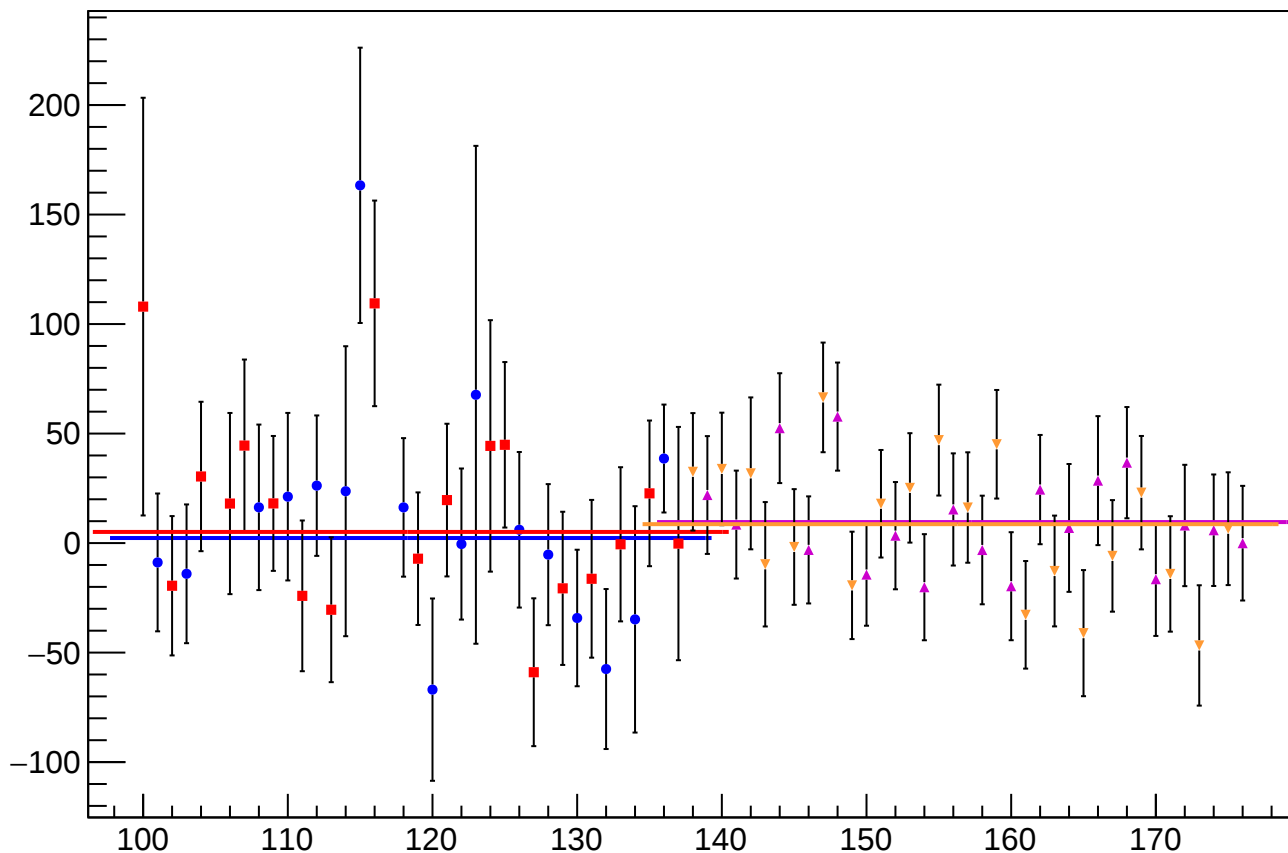
Right: 184.383+/-0.038 χ^2/NDF : 2555448.8/35

In: 186.276+/-0.030 χ^2/NDF :2560765.8/35

Out: 198.633+/-0.031 χ^2/NDF :3110983.8/38

All: 192.166+/-0.022 χ^2/NDF : 5752621.3/74

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: 8.637 $\pm$ 5.829 χ^2 /NDF:26.5/19

Right Out: 5.089 $\pm$ 8.479 χ^2 /NDF: 17.1/18

Left In: 9.592 $\pm$ 5.850 χ^2 /NDF:14.7/18

Left: 9.113 $\pm$ 4.129 χ^2 /NDF: 41.2/38

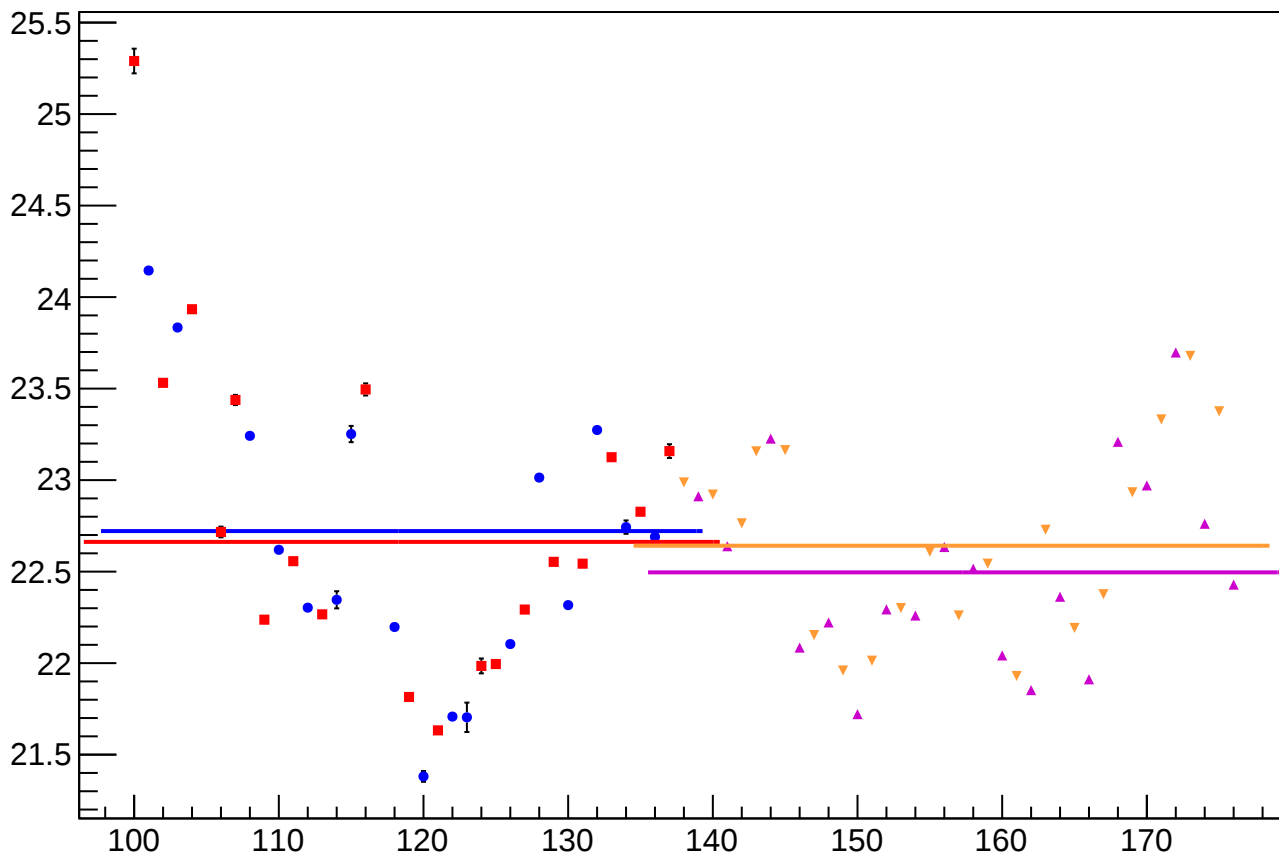
Right: 3.750 $\pm$ 6.108 χ^2 /NDF: 35.3/35

In: 7.361 $\pm$ 4.873 χ^2 /NDF:33.2/35

Out: 7.498 $\pm$ 4.804 χ^2 /NDF:43.8/38

All: 7.431 $\pm$ 3.421 χ^2 /NDF: 77.0/74

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722+/-0.006 χ^2/NDF : 13580.6/16

Left Out: 22.642+/-0.004 χ^2/NDF :15028.0/19

Right Out: 22.662+/-0.006 χ^2/NDF : 12955.6/18

Left In: 22.496+/-0.004 χ^2/NDF :14720.7/18

Left: 22.569+/-0.003 χ^2/NDF : 30370.7/38

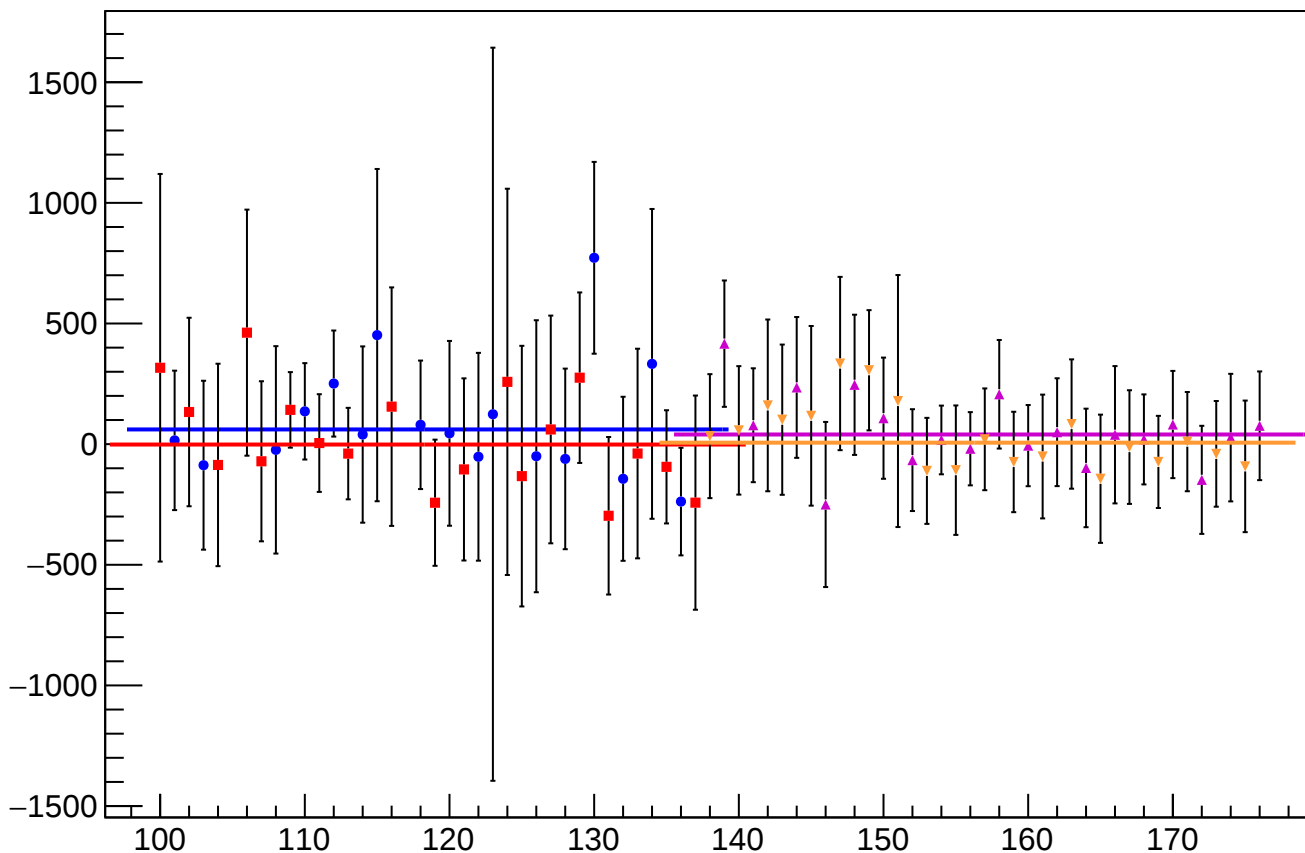
Right: 22.691+/-0.004 χ^2/NDF : 26582.8/35

In: 22.565+/-0.003 χ^2/NDF :29211.6/35

Out: 22.648+/-0.003 χ^2/NDF :27991.8/38

All: 22.607+/-0.002 χ^2/NDF : 57499.4/74

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: 6.074 $\pm$ 56.882 χ^2 /NDF:4.2/19

Right Out: -1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

Left In: 40.014 $\pm$ 49.831 χ^2 /NDF:6.0/18

Left: 25.277 $\pm$ 37.482 χ^2 /NDF: 10.4/38

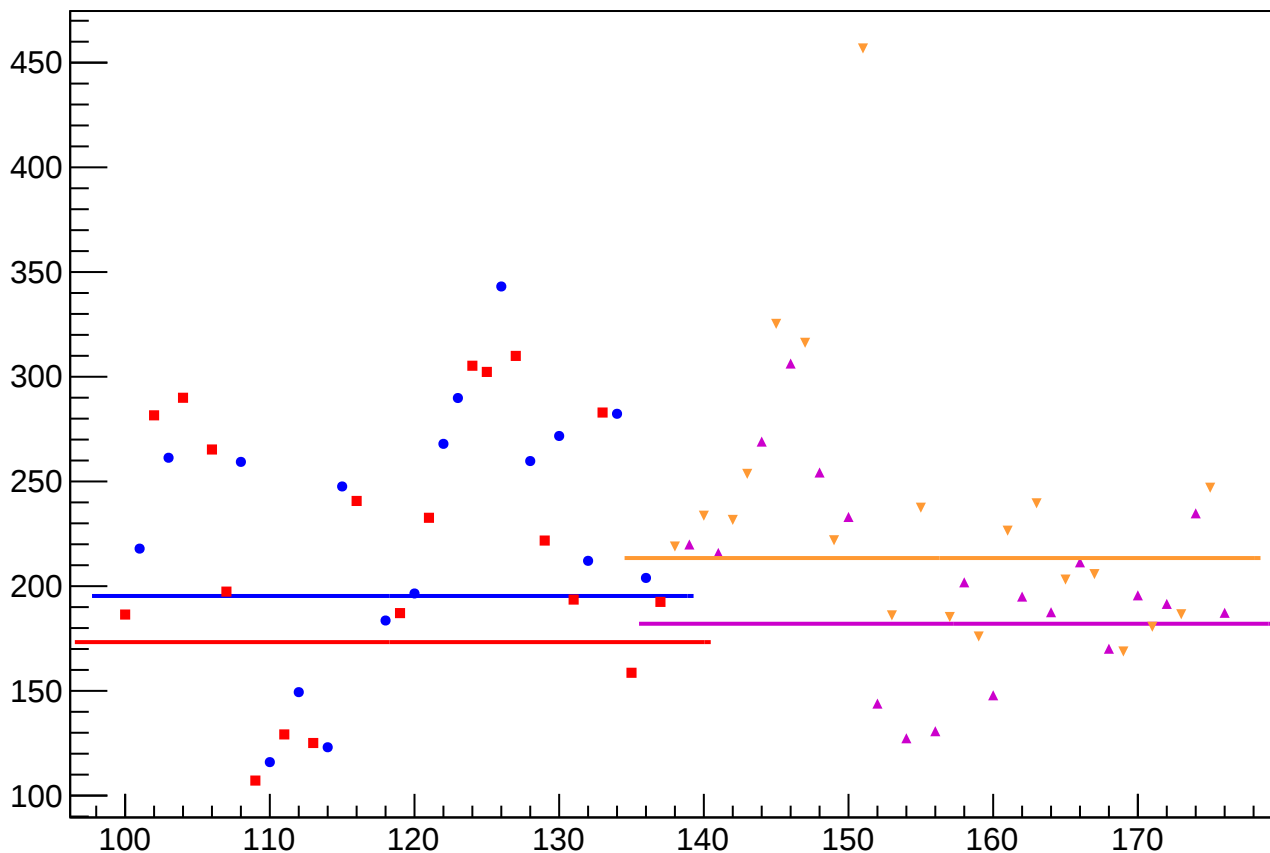
Right: 25.666 $\pm$ 52.970 χ^2 /NDF: 12.7/35

In: 45.848 $\pm$ 42.326 χ^2 /NDF:13.3/35

Out: 3.032 $\pm$ 44.281 χ^2 /NDF:9.4/38

All: 25.406 $\pm$ 30.597 χ^2 /NDF: 23.2/74

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 213.430 $\pm$ 0.040 χ^2 /NDF:1229274.1/19

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

Left In: 182.054 $\pm$ 0.035 χ^2 /NDF:1546228.2/18

Left: 195.678 $\pm$ 0.027 χ^2 /NDF: 3119793.6/38

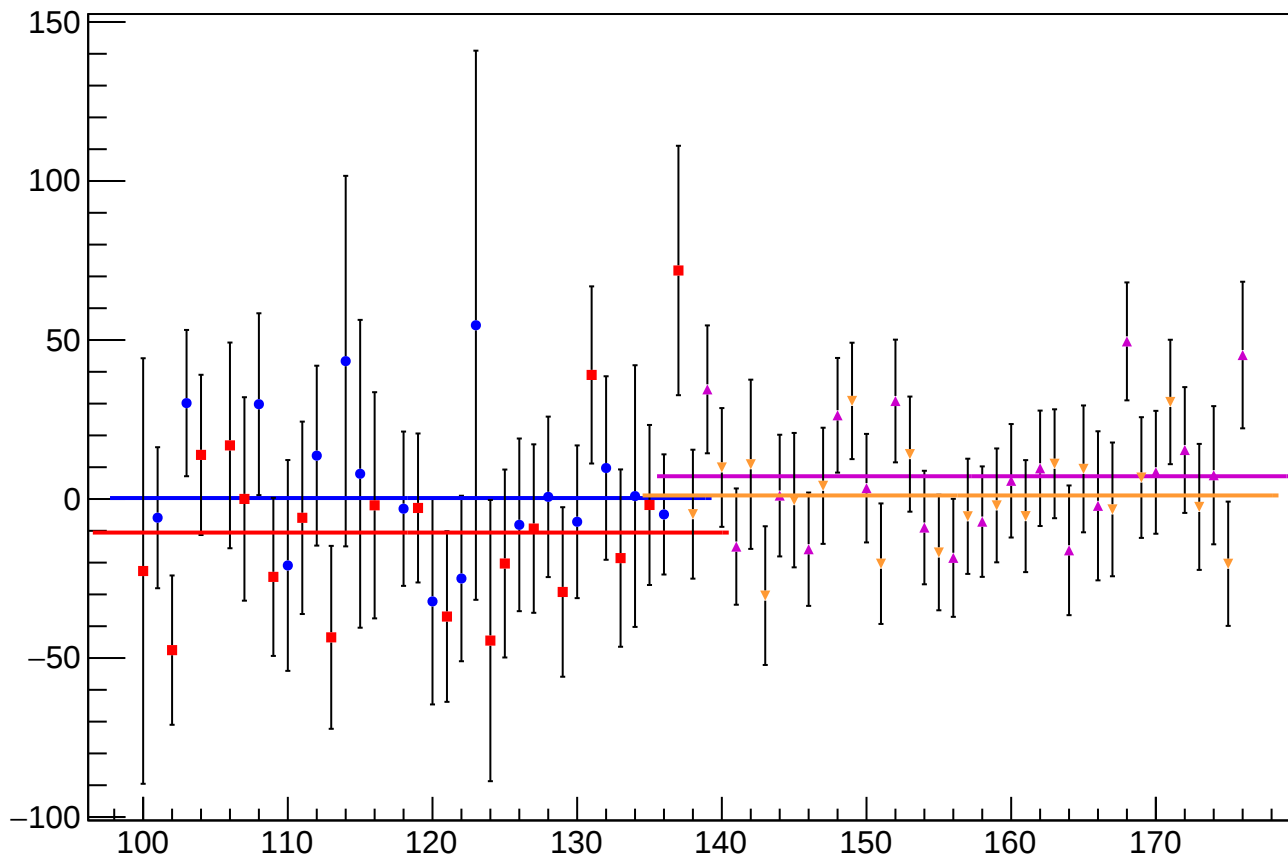
Right: 182.896 $\pm$ 0.037 χ^2 /NDF: 2667678.3/35

In: 185.748 $\pm$ 0.030 χ^2 /NDF:2589895.7/35

Out: 197.614 $\pm$ 0.031 χ^2 /NDF:3200124.8/38

All: 191.413 $\pm$ 0.022 χ^2 /NDF: 5865070.7/74

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305+/-6.812 χ^2/NDF : 6.8/16

Left Out: 1.121+/-4.302 χ^2/NDF :12.4/19

Right Out: -10.553+/-6.628 χ^2/NDF : 16.0/18

Left In: 7.162+/-4.366 χ^2/NDF :20.8/18

Left: 4.096+/-3.064 χ^2/NDF : 34.2/38

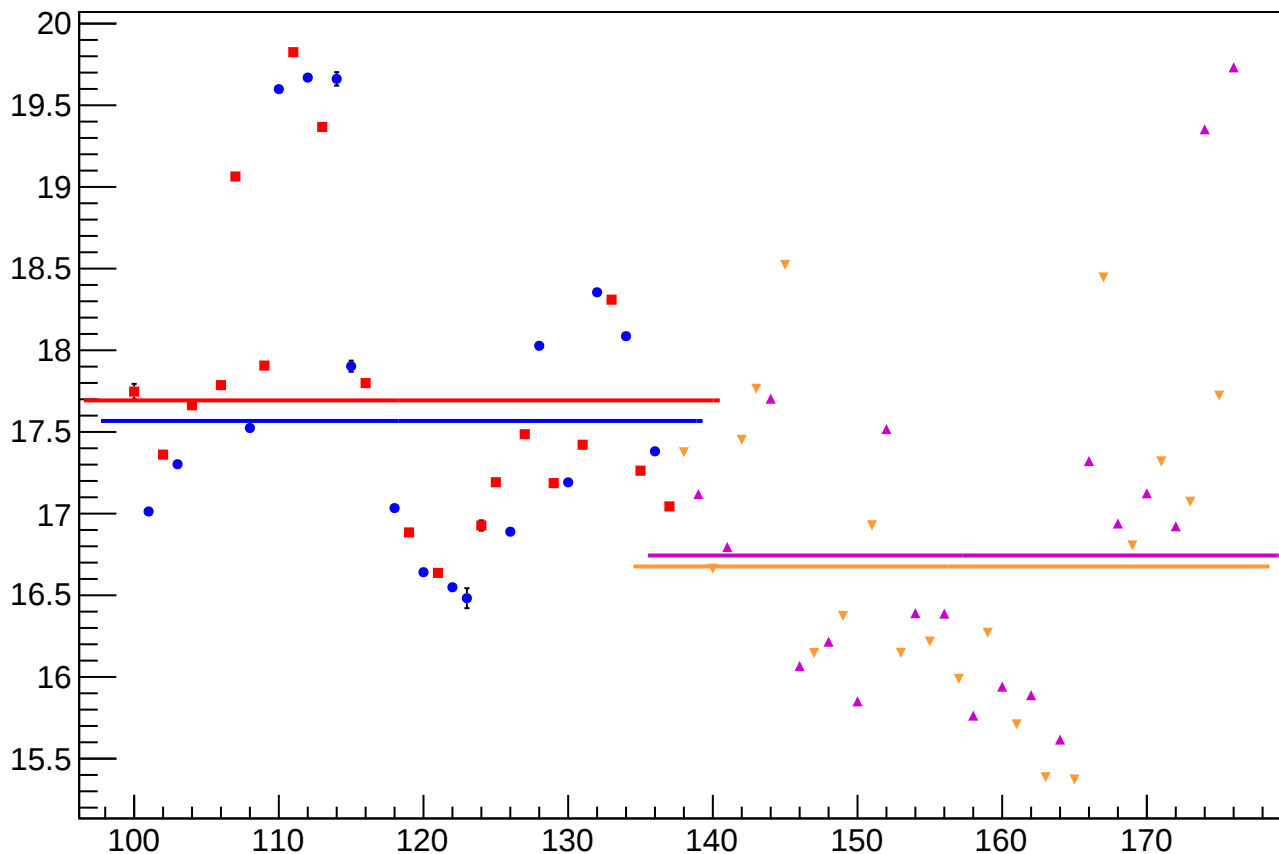
Right: -5.273+/-4.751 χ^2/NDF : 24.1/35

In: 5.165+/-3.676 χ^2/NDF :28.3/35

Out: -2.339+/-3.608 χ^2/NDF :30.6/38

All: 1.343+/-2.575 χ^2/NDF : 61.0/74

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: 16.677 $\pm$ 0.003 χ^2 /NDF:82680.8/19

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

Left In: 16.744 $\pm$ 0.003 χ^2 /NDF:106395.7/18

Left: 16.710 $\pm$ 0.002 χ^2 /NDF: 189315.6/38

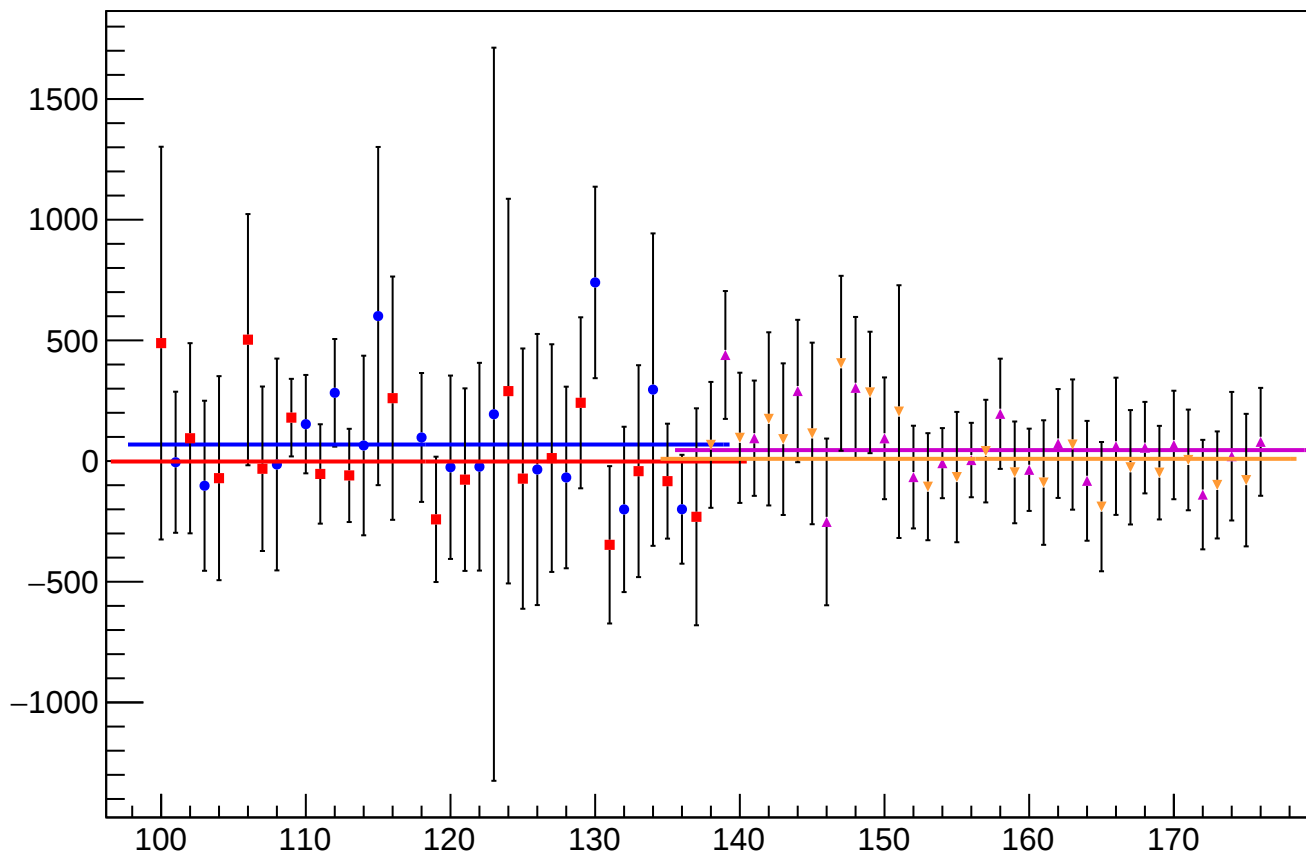
Right: 17.632 $\pm$ 0.003 χ^2 /NDF: 64262.5/35

In: 16.984 $\pm$ 0.003 χ^2 /NDF:160268.8/35

Out: 16.978 $\pm$ 0.003 χ^2 /NDF:146553.8/38

All: 16.981 $\pm$ 0.002 χ^2 /NDF: 306825.0/74

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 9.241 $\pm$ 57.463 χ^2 /NDF:4.7/19

Right Out: -1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

Left In: 45.425 $\pm$ 50.406 χ^2 /NDF:6.6/18

Left: 29.690 $\pm$ 37.893 χ^2 /NDF: 11.5/38

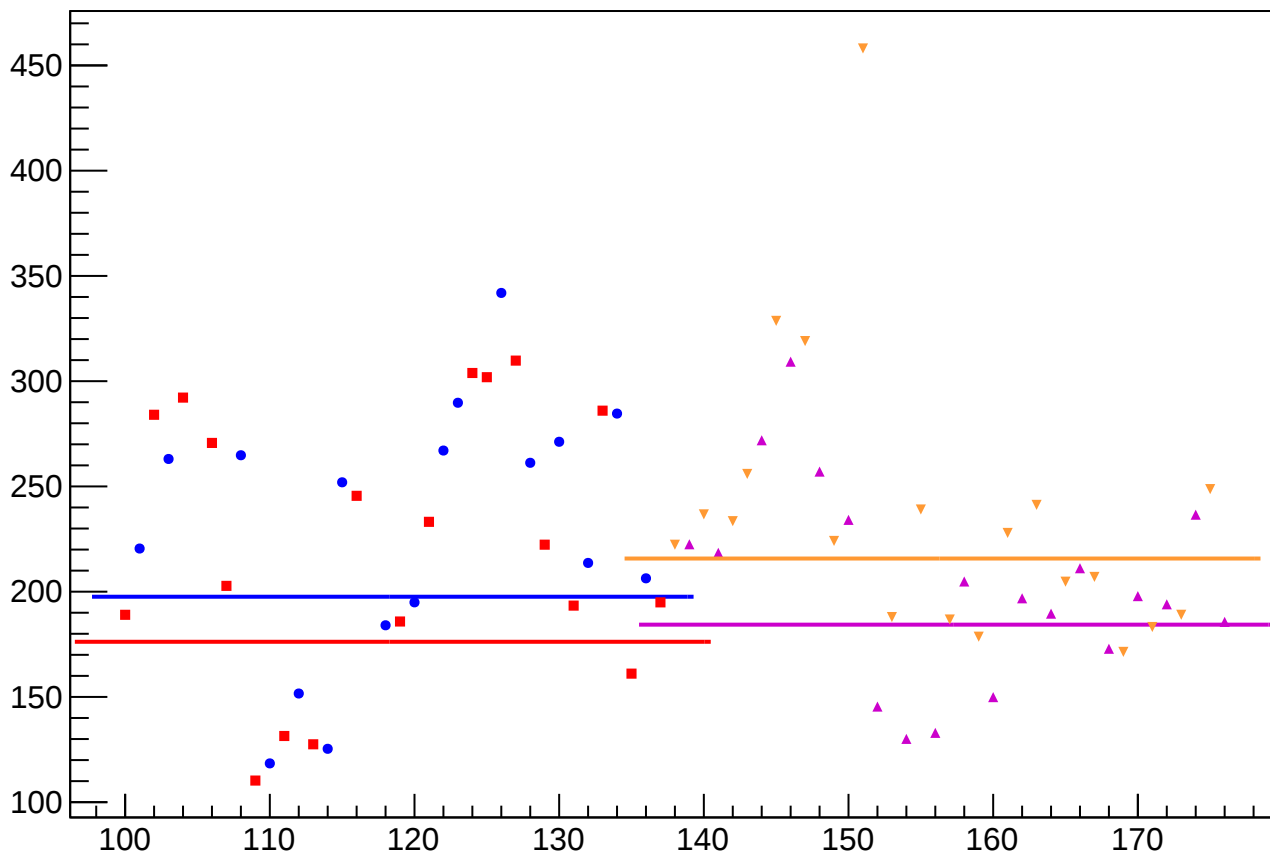
Right: 29.004 $\pm$ 53.625 χ^2 /NDF: 13.9/35

In: 51.879 $\pm$ 42.799 χ^2 /NDF:14.0/35

Out: 4.899 $\pm$ 44.800 χ^2 /NDF:10.8/38

All: 29.462 $\pm$ 30.946 χ^2 /NDF: 25.4/74

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: 215.748 $\pm$ 0.041 χ^2 /NDF: 1209337.1/19

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

Left In: 184.334 $\pm$ 0.036 χ^2 /NDF: 1507218.9/18

Left: 197.995 $\pm$ 0.027 χ^2 /NDF: 3054358.5/38

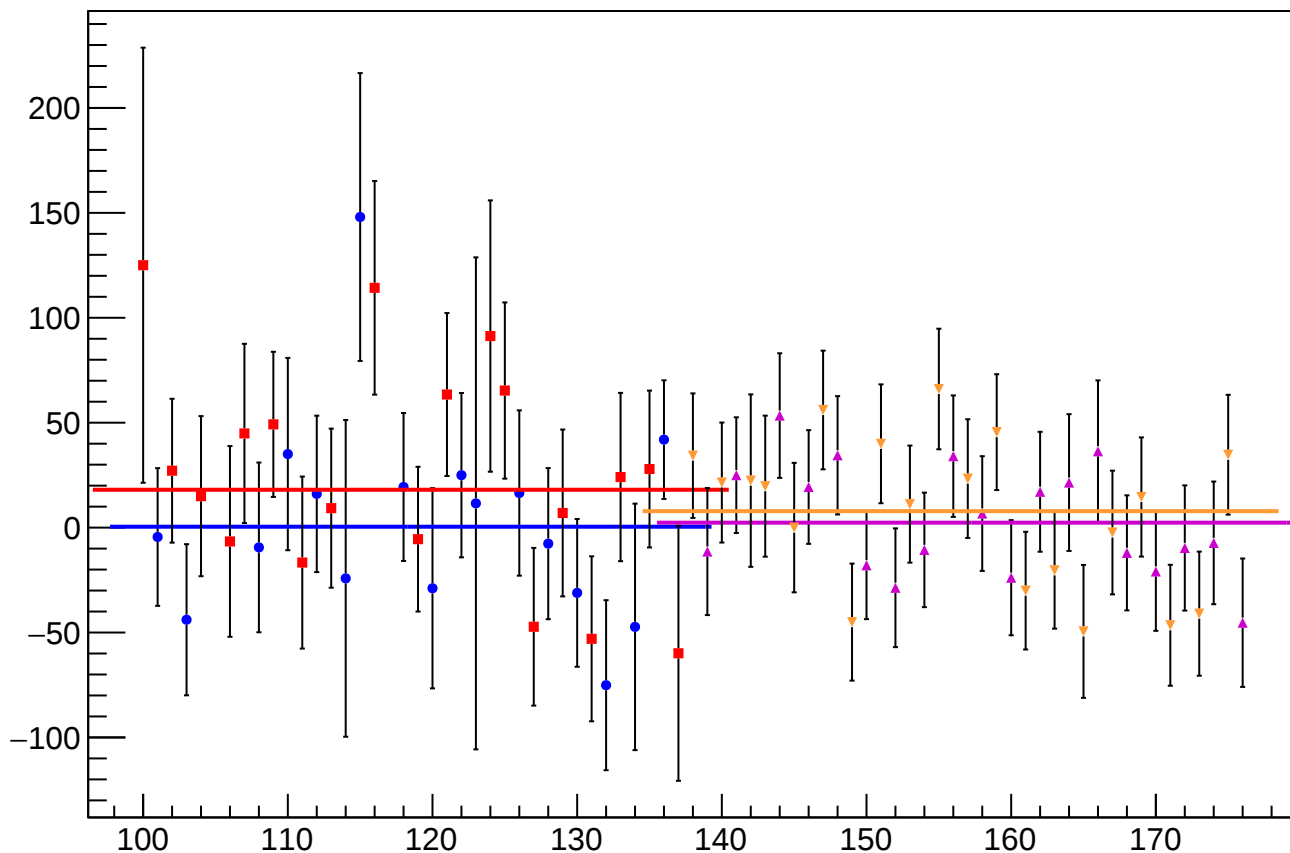
Right: 185.577 $\pm$ 0.038 χ^2 /NDF: 2567082.7/35

In: 188.037 $\pm$ 0.030 χ^2 /NDF: 2514722.9/35

Out: 200.239 $\pm$ 0.032 χ^2 /NDF: 3100674.6/38

All: 193.859 $\pm$ 0.022 χ^2 /NDF: 5692966.7/74

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: 7.847 ± 6.558 $\chi^2/\text{NDF}: 28.9/19$

Right Out: 18.044 ± 9.499 $\chi^2/\text{NDF}: 19.5/18$

Left In: 2.353 ± 6.577 $\chi^2/\text{NDF}: 15.0/18$

Left: 5.108 ± 4.644 $\chi^2/\text{NDF}: 44.2/38$

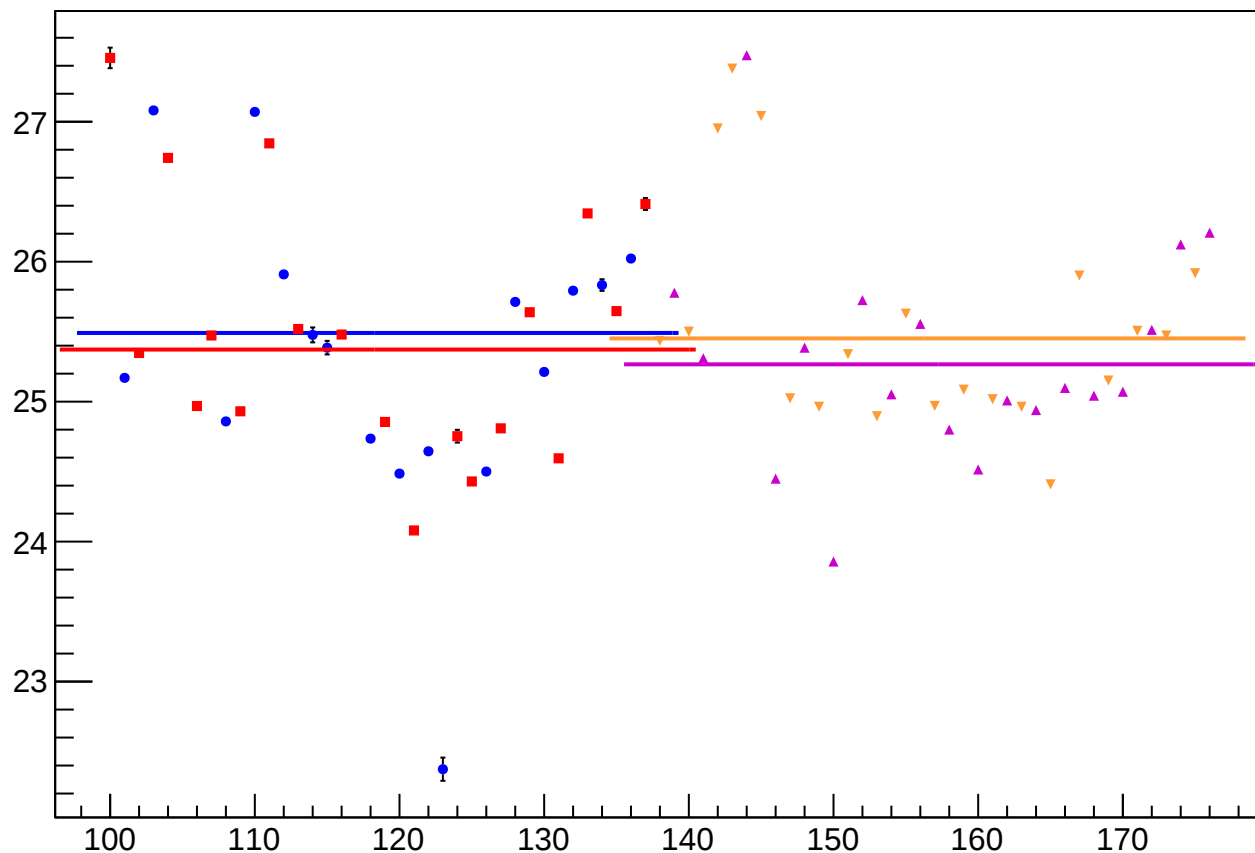
Right: 9.585 ± 6.849 $\chi^2/\text{NDF}: 36.6/35$

In: 1.762 ± 5.476 $\chi^2/\text{NDF}: 30.5/35$

Out: 11.139 ± 5.397 $\chi^2/\text{NDF}: 49.1/38$

All: 6.518 ± 3.844 $\chi^2/\text{NDF}: 81.1/74$

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: 25.452 $\pm$ 0.005 χ^2 /NDF:21959.2/19

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

Left In: 25.267 $\pm$ 0.005 χ^2 /NDF:26837.4/18

Left: 25.359 $\pm$ 0.003 χ^2 /NDF: 49591.8/38

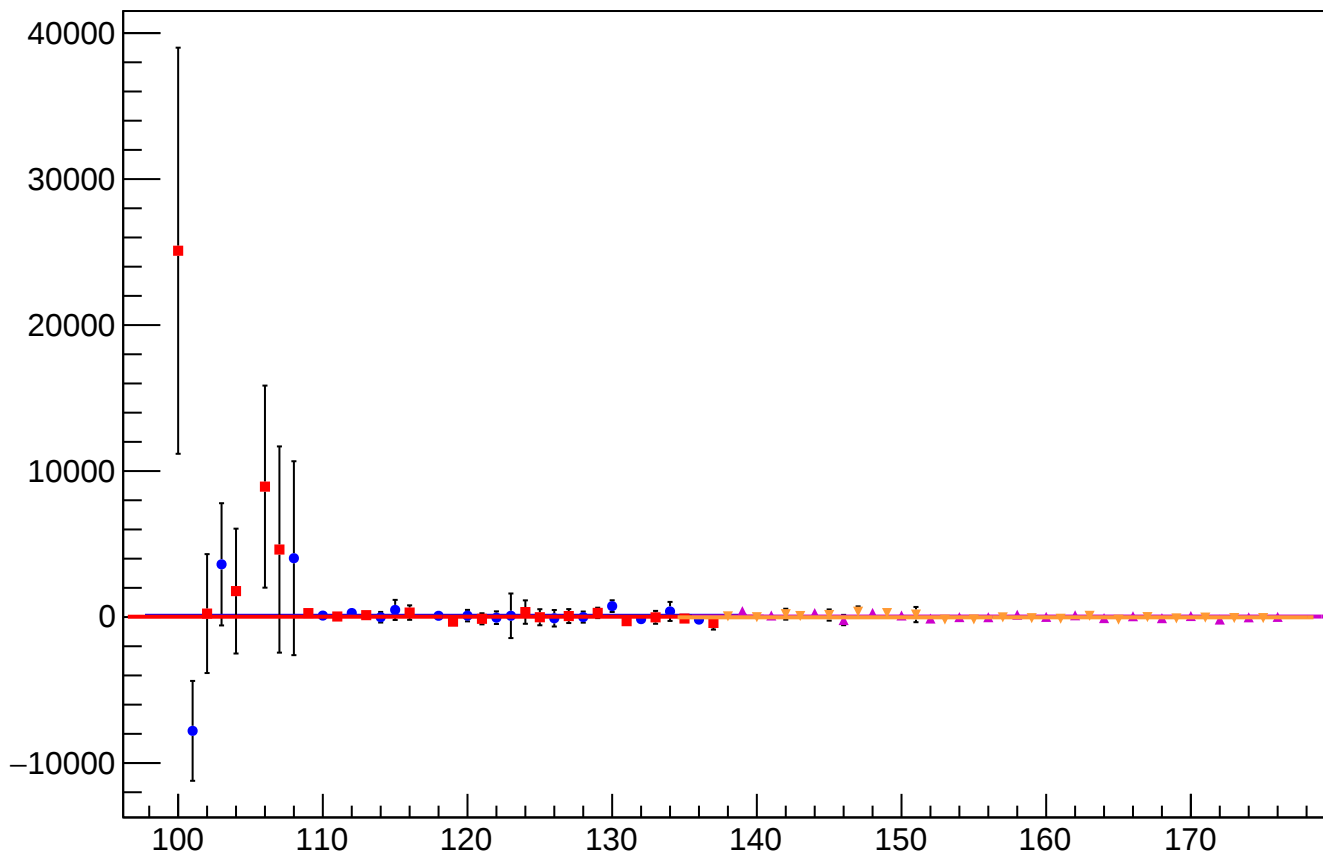
Right: 25.429 $\pm$ 0.005 χ^2 /NDF: 27413.4/35

In: 25.335 $\pm$ 0.004 χ^2 /NDF:41264.2/35

Out: 25.426 $\pm$ 0.004 χ^2 /NDF:35604.8/38

All: 25.381 $\pm$ 0.003 χ^2 /NDF: 77147.2/74

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: -18.798 $\pm$ 57.832 χ^2 /NDF:4.8/19

Right Out: 23.352 $\pm$ 80.948 χ^2 /NDF: 11.9/18

Left In: 34.266 $\pm$ 50.848 χ^2 /NDF:6.4/18

Left: 11.130 $\pm$ 38.187 χ^2 /NDF: 11.6/38

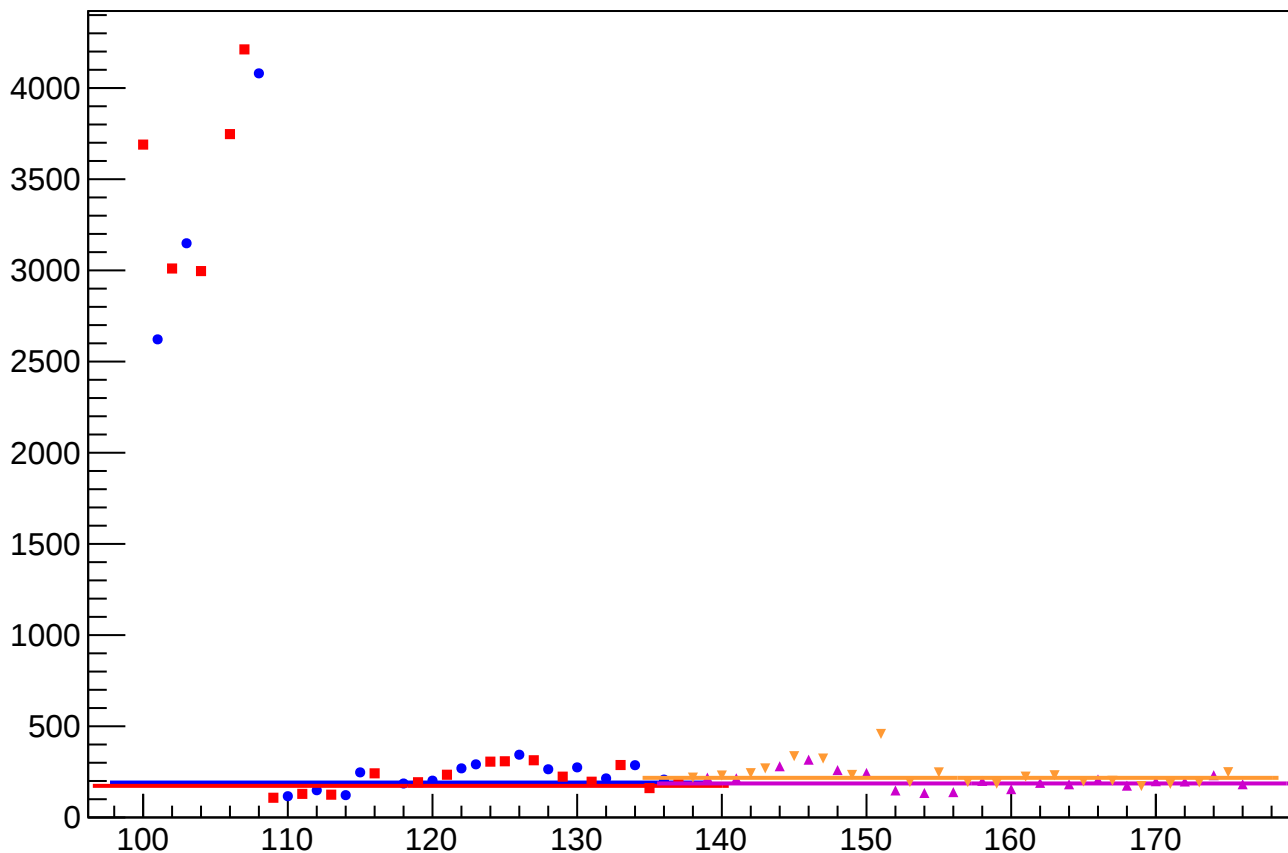
Right: 52.171 $\pm$ 59.707 χ^2 /NDF: 24.7/35

In: 47.261 $\pm$ 44.079 χ^2 /NDF:19.1/35

Out: -4.554 $\pm$ 47.057 χ^2 /NDF:16.9/38

All: 23.044 $\pm$ 32.170 χ^2 /NDF: 36.7/74

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: 217.259 +/- 0.041 χ^2/NDF : 1202149.5/19

Right Out: 173.297 +/- 0.057 χ^2/NDF : 4207424.0/18

Left In: 186.456 +/- 0.036 χ^2/NDF : 1382565.5/18

Left: 199.886 +/- 0.027 χ^2/NDF : 2904724.9/38

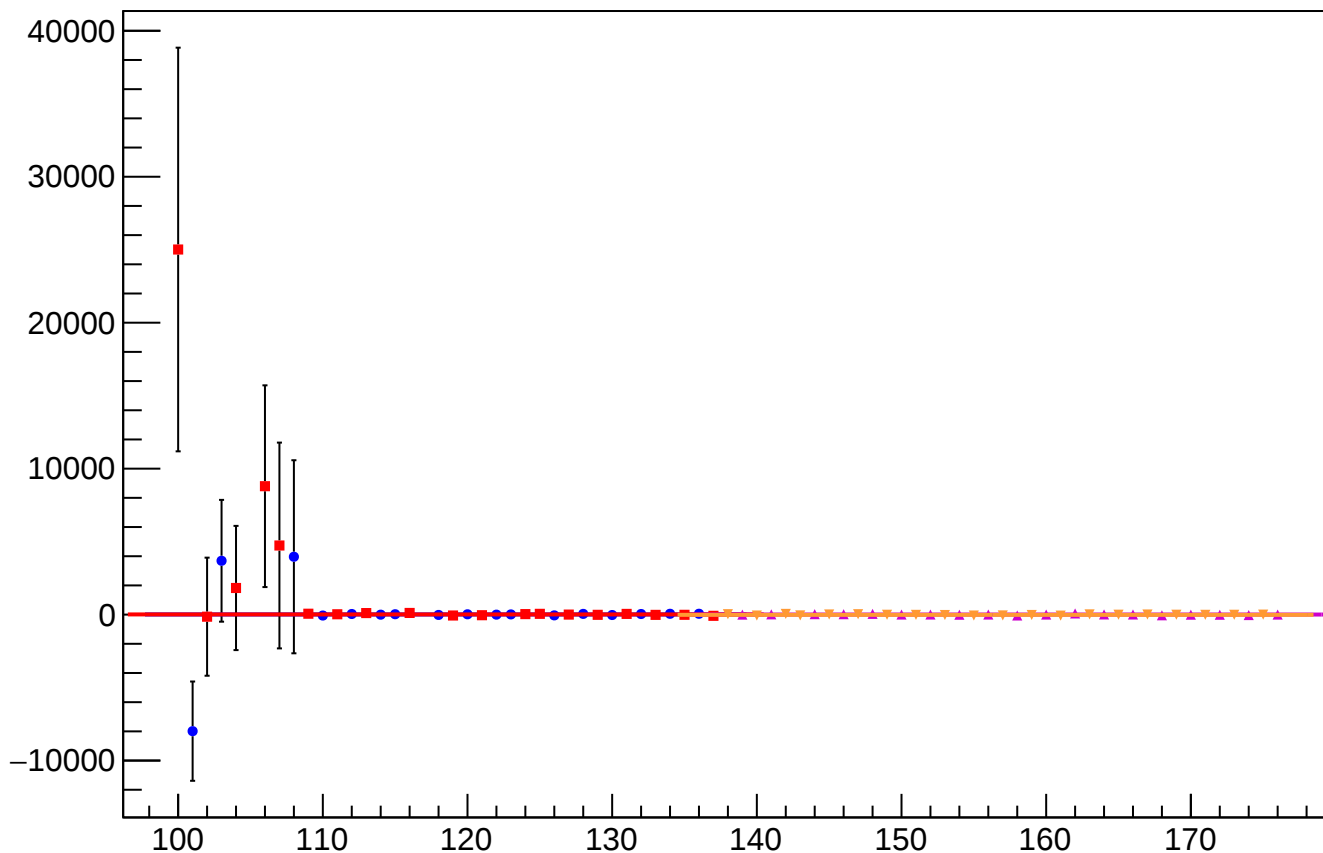
Right: 181.587 +/- 0.042 χ^2/NDF : 7826577.3/35

In: 187.704 +/- 0.031 χ^2/NDF : 4960568.4/35

Out: 202.403 +/- 0.033 χ^2/NDF : 5800112.0/38

All: 194.574 +/- 0.023 χ^2/NDF : 10864625.9/74

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: -15.748+/-7.451 χ^2/NDF : 17.0/19

Right Out: 12.668+/-12.232 χ^2/NDF : 24.8/18

Left In: 4.393+/-7.482 χ^2/NDF : 19.1/18

Left: -5.720+/-5.280 χ^2/NDF : 39.7/38

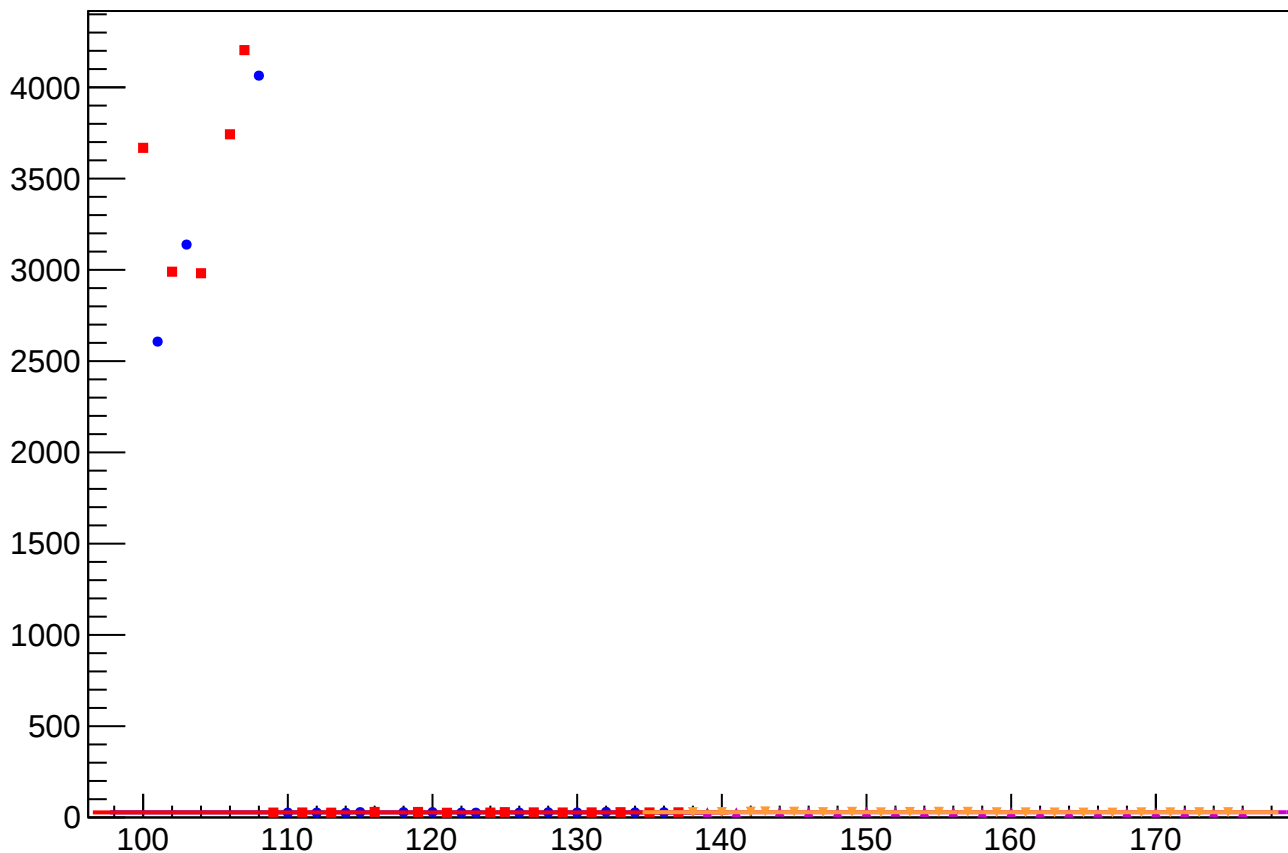
Right: 11.482+/-8.667 χ^2/NDF : 43.2/35

In: 5.988+/-6.390 χ^2/NDF : 37.6/35

Out: -8.058+/-6.363 χ^2/NDF : 45.7/38

All: -1.065+/-4.509 χ^2/NDF : 85.7/74

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: 28.862+/-0.005 χ^2/NDF : 96656.3/19

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

Left In: 28.673+/-0.005 χ^2/NDF : 117511.5/18

Left: 28.768+/-0.004 χ^2/NDF : 214811.5/38

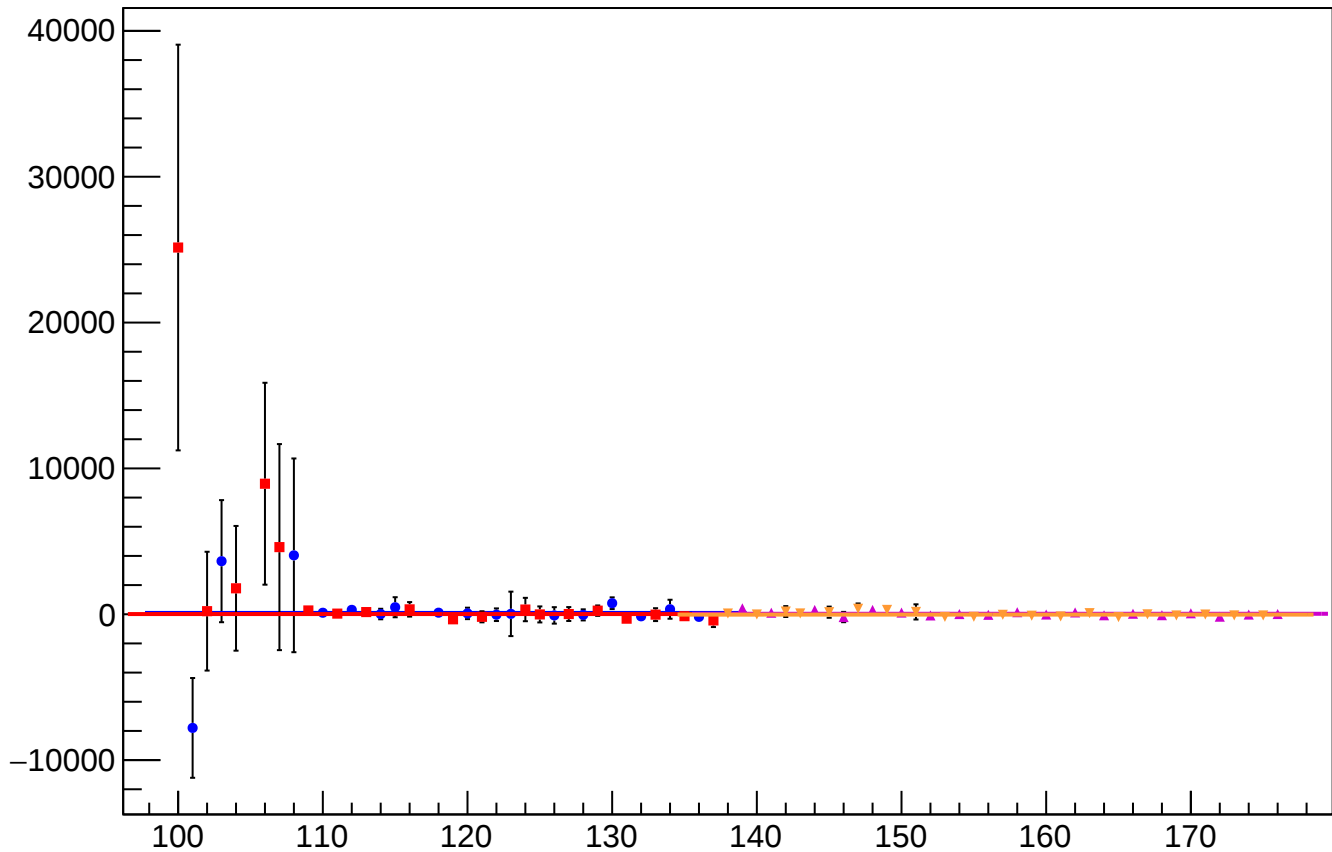
Right: 27.774+/-0.006 χ^2/NDF : 6504689.9/35

In: 28.452+/-0.005 χ^2/NDF : 3151653.8/35

Out: 28.546+/-0.004 χ^2/NDF : 3586803.2/38

All: 28.499+/-0.003 χ^2/NDF : 6738678.6/74

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: -23.480+/-57.707 χ^2/NDF : 5.4/19

Right Out: 13.341+/-80.686 χ^2/NDF : 12.7/18

Left In: 33.209+/-50.745 χ^2/NDF : 6.4/18

Left: 8.489+/-38.107 χ^2/NDF : 12.4/38

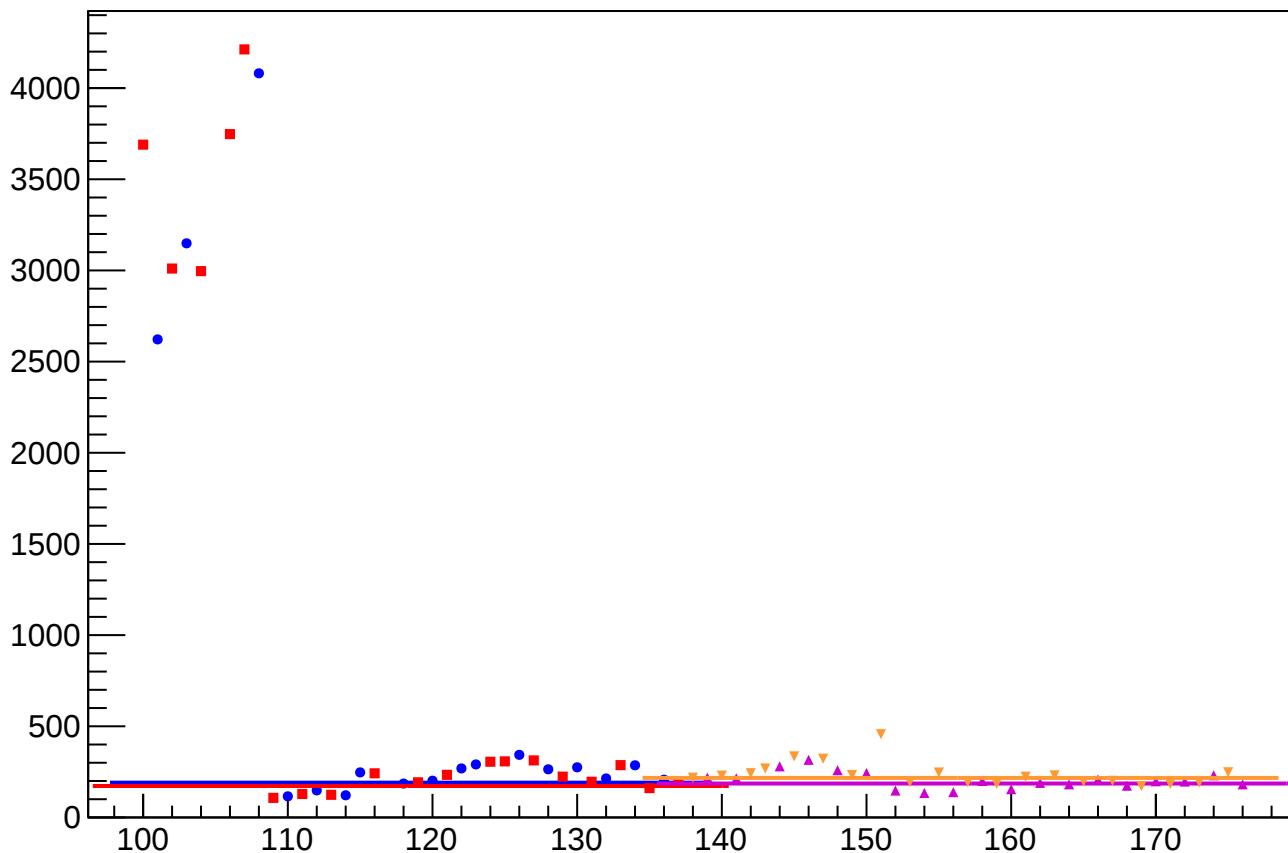
Right: 48.642+/-59.518 χ^2/NDF : 25.9/35

In: 47.537+/-43.978 χ^2/NDF : 19.5/35

Out: -11.019+/-46.938 χ^2/NDF : 18.2/38

All: 20.163+/-32.093 χ^2/NDF : 38.6/74

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: 216.794+/-0.041 χ^2/NDF :1201757.5/19

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

Left In: 186.078+/-0.036 χ^2/NDF :1382376.7/18

Left: 199.472+/-0.027 χ^2/NDF : 2903673.3/38

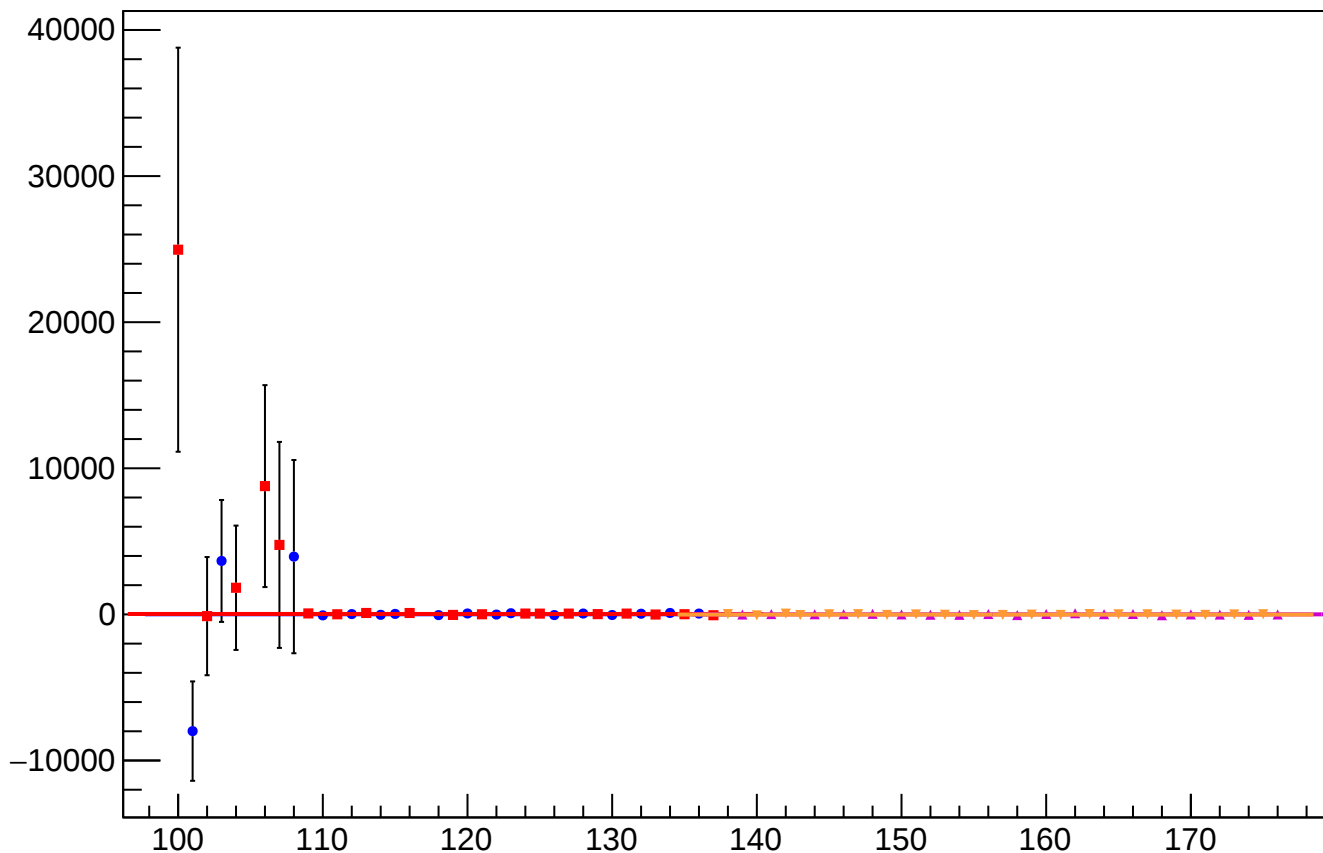
Right: 180.899+/-0.042 χ^2/NDF : 7849745.6/35

In: 187.246+/-0.031 χ^2/NDF :4971666.4/35

Out: 201.848+/-0.033 χ^2/NDF :5816805.1/38

All: 194.072+/-0.023 χ^2/NDF : 10891547.1/74

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600+/-12.368 χ^2/NDF : 23.2/16

Left Out: -11.835+/-7.500 χ^2/NDF :12.4/19

Right Out: 29.397+/-12.333 χ^2/NDF : 16.8/18

Left In: 3.257+/-7.519 χ^2/NDF :18.8/18

Left: -4.308+/-5.310 χ^2/NDF : 33.2/38

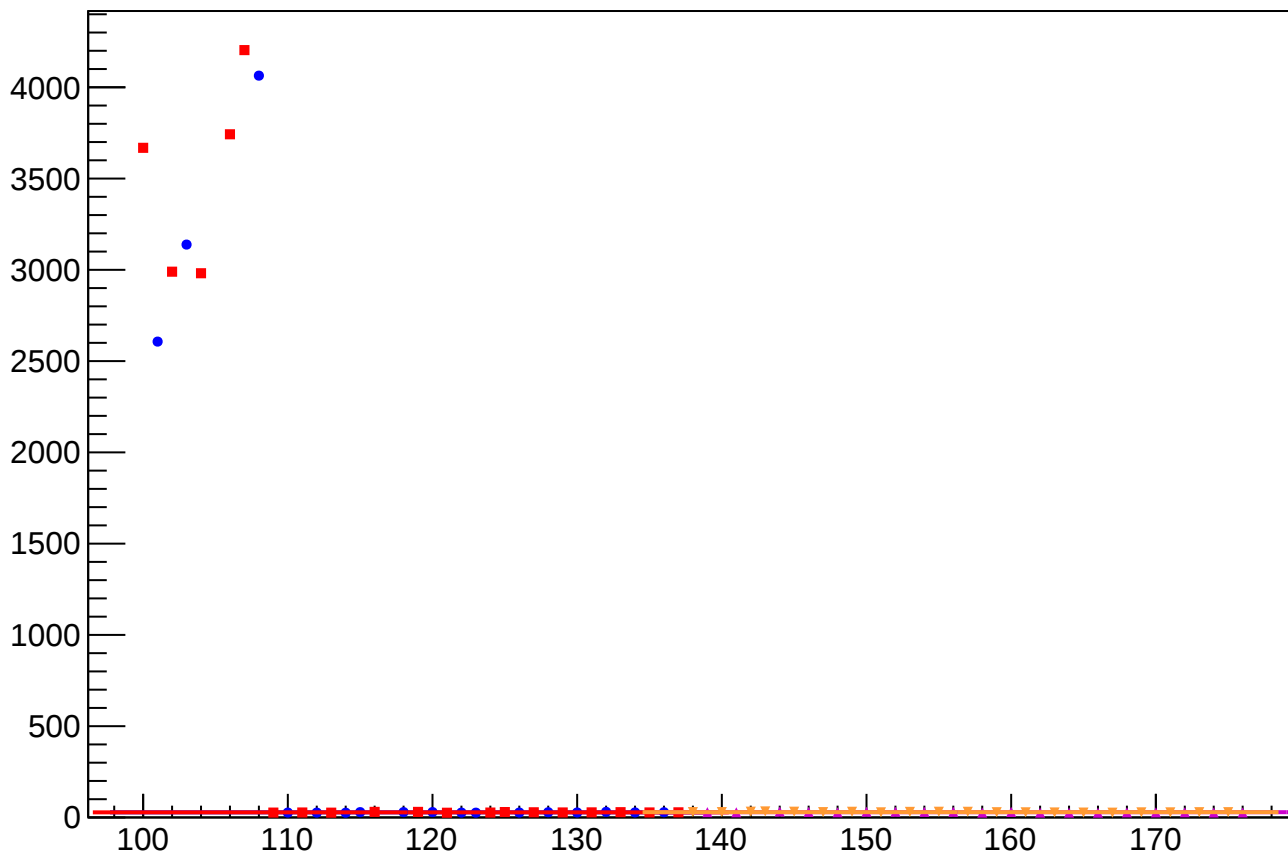
Right: 19.027+/-8.733 χ^2/NDF : 41.4/35

In: 4.699+/-6.424 χ^2/NDF :42.1/35

Out: -0.704+/-6.408 χ^2/NDF :37.4/38

All: 1.990+/-4.537 χ^2/NDF : 79.9/74

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: 29.049+/-0.005 χ^2/NDF :102338.4/19

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

Left In: 28.811+/-0.005 χ^2/NDF :121343.9/18

Left: 28.930+/-0.004 χ^2/NDF : 224678.9/38

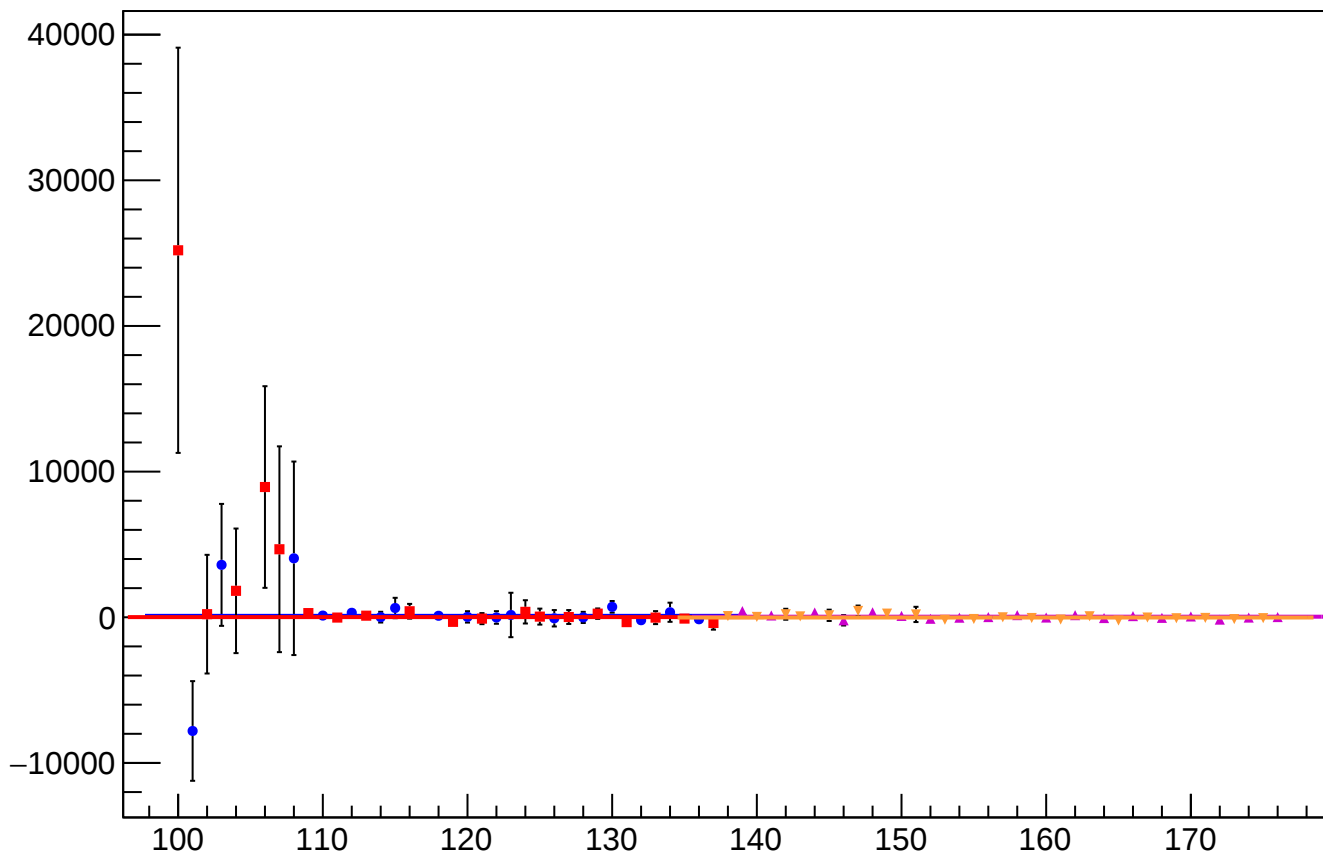
Right: 27.981+/-0.006 χ^2/NDF : 6507693.6/35

In: 28.604+/-0.005 χ^2/NDF :3154867.8/35

Out: 28.743+/-0.005 χ^2/NDF :3594300.1/38

All: 28.674+/-0.003 χ^2/NDF : 6749636.9/74

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: -16.107+/-58.392 χ^2/NDF : 5.3/19

Right Out: 11.728+/-81.772 χ^2/NDF : 12.3/18

Left In: 39.961+/-51.395 χ^2/NDF : 7.0/18

Left: 15.486+/-38.580 χ^2/NDF : 12.9/38

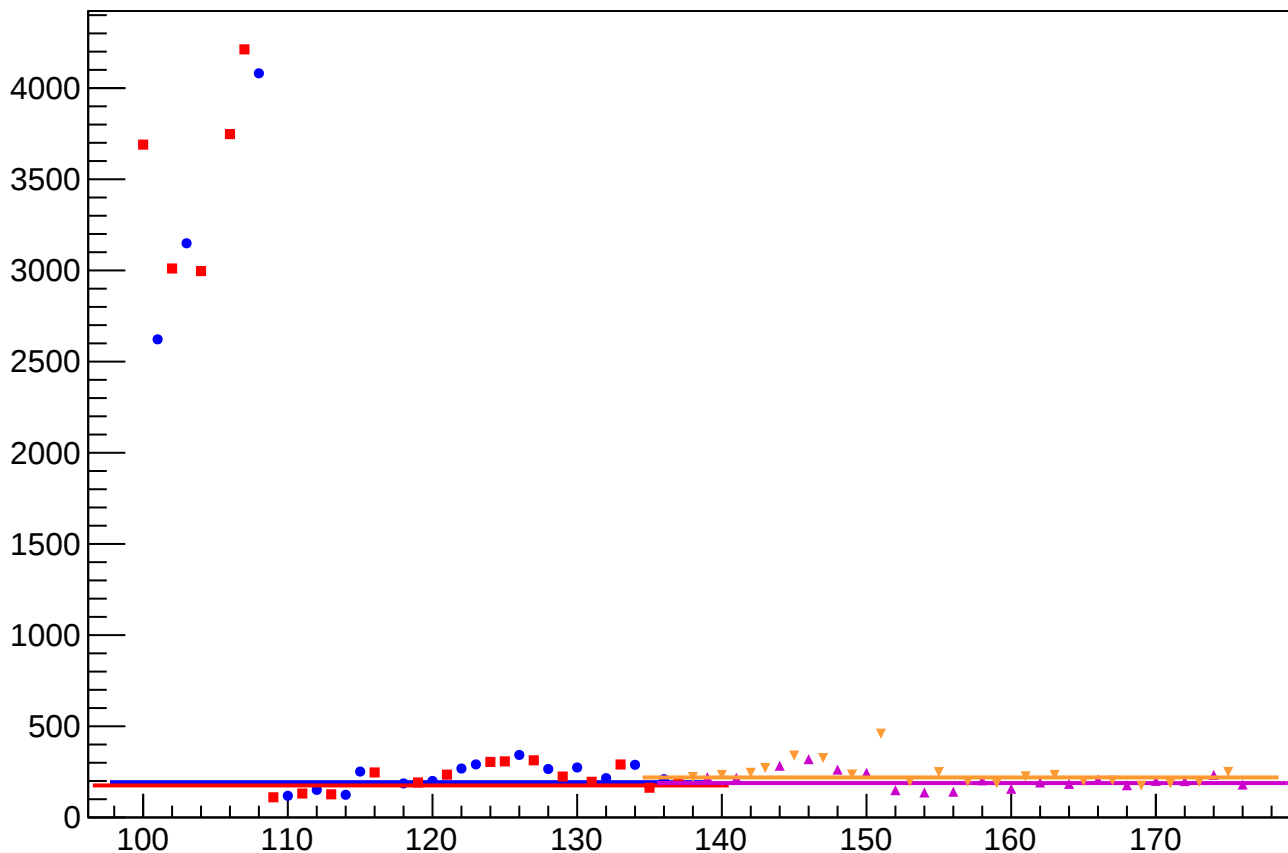
Right: 51.186+/-60.278 χ^2/NDF : 25.3/35

In: 54.461+/-44.532 χ^2/NDF : 19.9/35

Out: -6.707+/-47.520 χ^2/NDF : 17.7/38

All: 25.860+/-32.494 χ^2/NDF : 38.5/74

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: 219.477+/-0.041 χ^2/NDF :1186493.8/19

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

Left In: 188.616+/-0.036 χ^2/NDF :1351963.5/18

Left: 202.088+/-0.027 χ^2/NDF : 2853259.1/38

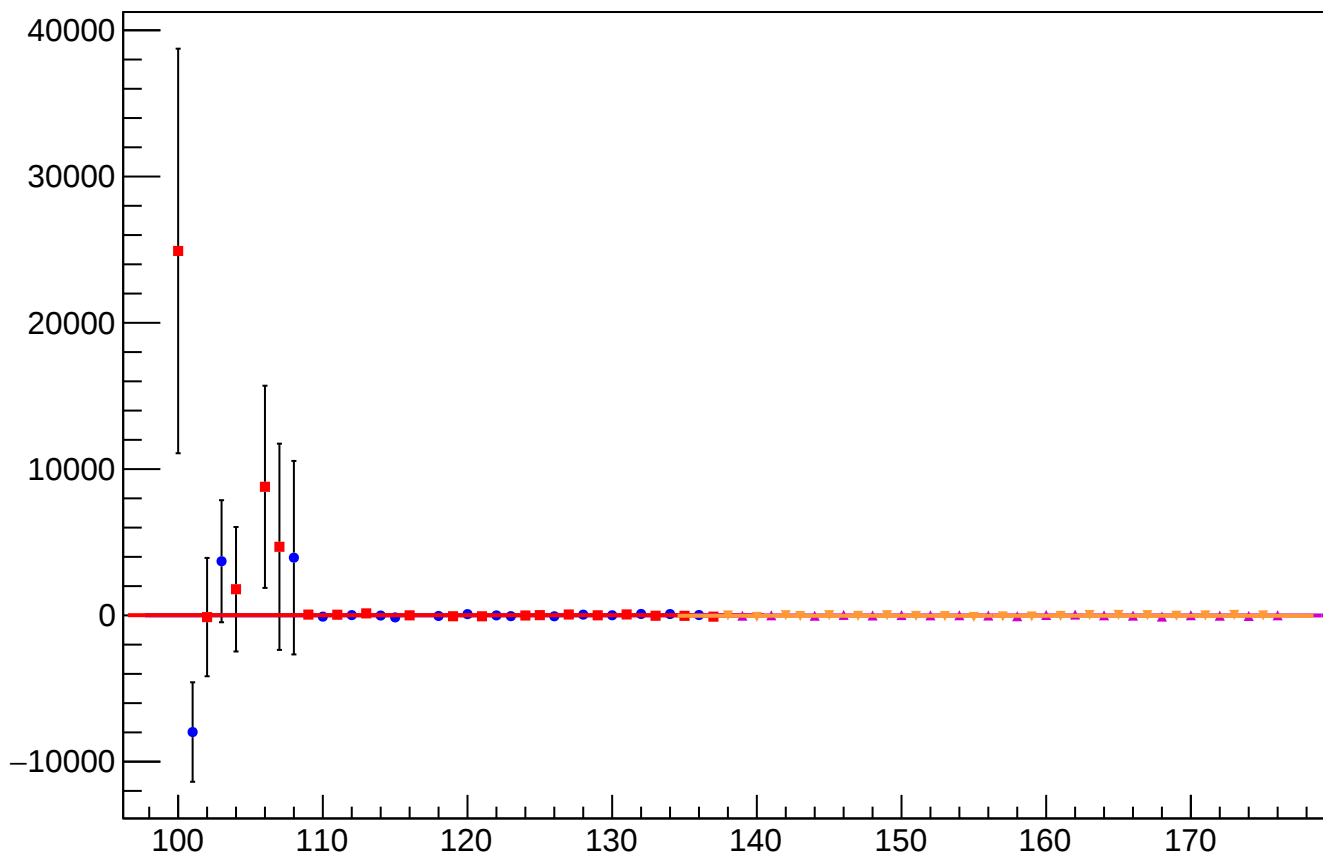
Right: 183.732+/-0.043 χ^2/NDF : 7746808.4/35

In: 189.837+/-0.031 χ^2/NDF :4893443.4/35

Out: 204.629+/-0.034 χ^2/NDF :5735017.8/38

All: 196.753+/-0.023 χ^2/NDF : 10731638.8/74

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: -25.292 $\pm$ 8.960 χ^2 /NDF:22.3/19

Right Out: 12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

Left In: -5.021 $\pm$ 9.011 χ^2 /NDF:13.0/18

Left: -15.213 $\pm$ 6.354 χ^2 /NDF: 37.8/38

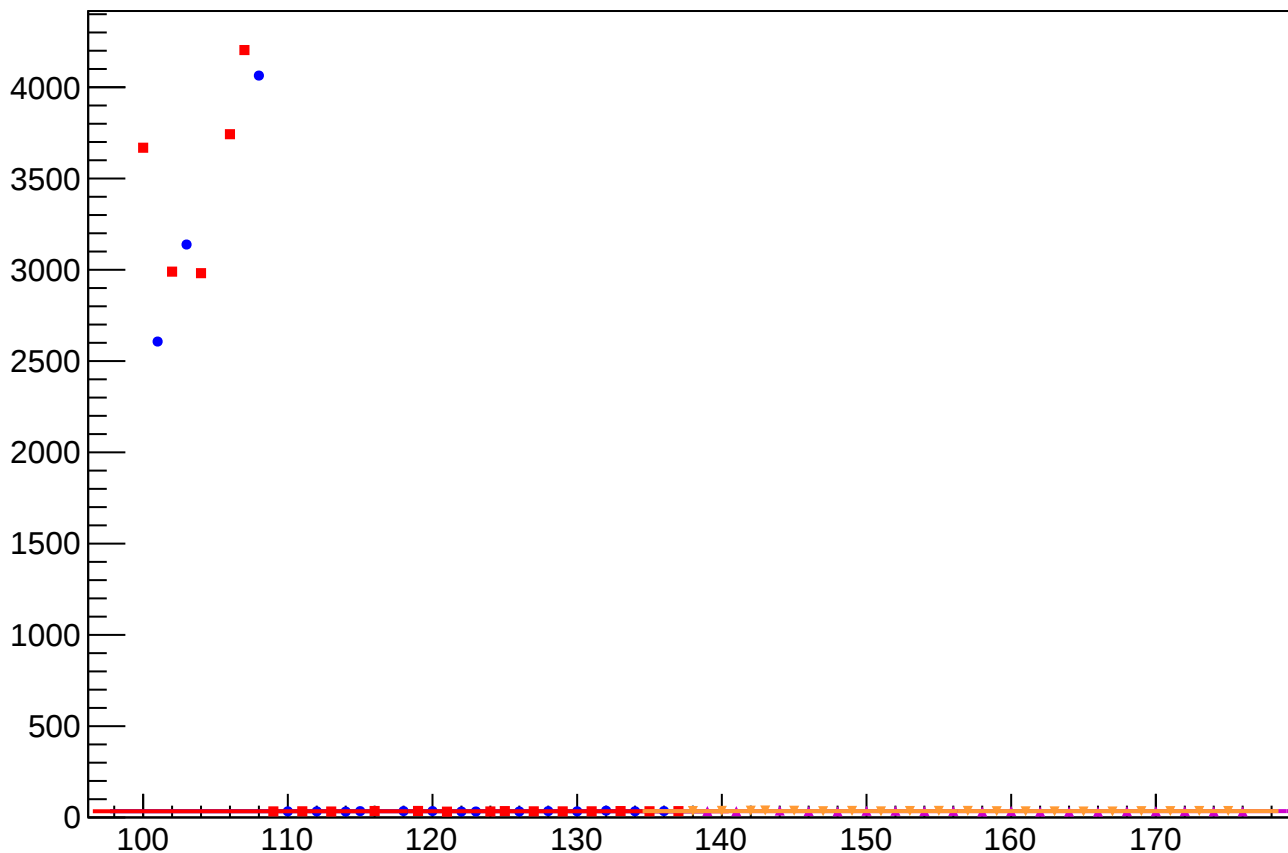
Right: 8.883 $\pm$ 10.608 χ^2 /NDF: 42.5/35

In: -2.228 $\pm$ 7.732 χ^2 /NDF:33.8/35

Out: -15.396 $\pm$ 7.686 χ^2 /NDF:48.9/38

All: -8.851 $\pm$ 5.451 χ^2 /NDF: 84.1/74

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: 34.762 $\pm$ 0.006 χ^2 /NDF: 47757.6/19

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

Left In: 34.596 $\pm$ 0.006 χ^2 /NDF: 54579.1/18

Left: 34.679 $\pm$ 0.004 χ^2 /NDF: 102675.2/38

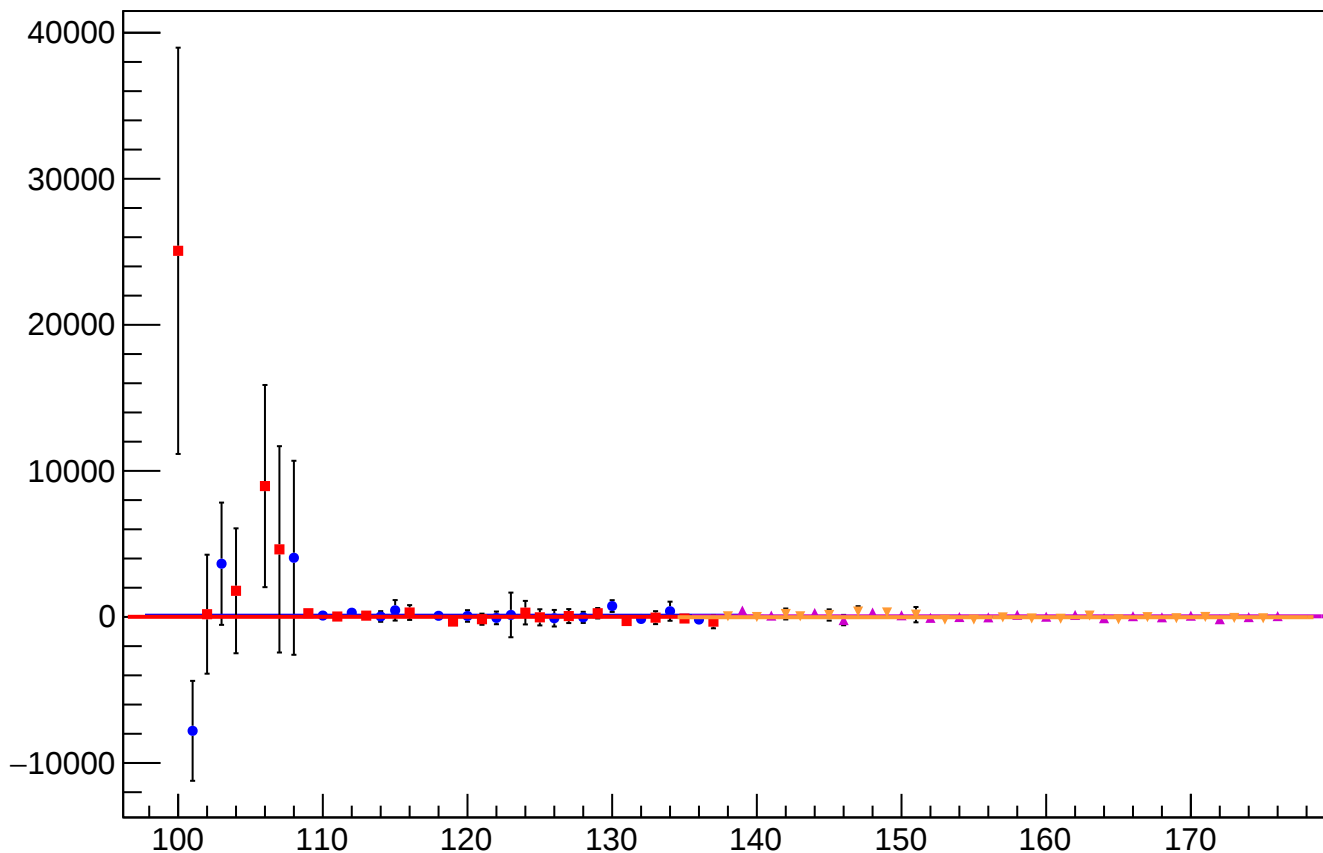
Right: 34.039 $\pm$ 0.008 χ^2 /NDF: 6458714.0/35

In: 34.483 $\pm$ 0.005 χ^2 /NDF: 3062287.0/35

Out: 34.537 $\pm$ 0.005 χ^2 /NDF: 3504414.0/38

All: 34.510 $\pm$ 0.004 χ^2 /NDF: 6566750.3/74

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: -19.426+/-58.283 χ^2/NDF : 5.3/19

Right Out: 8.565+/-81.257 χ^2/NDF : 11.1/18

Left In: 42.994+/-51.324 χ^2/NDF : 6.4/18

Left: 15.731+/-38.518 χ^2/NDF : 12.3/38

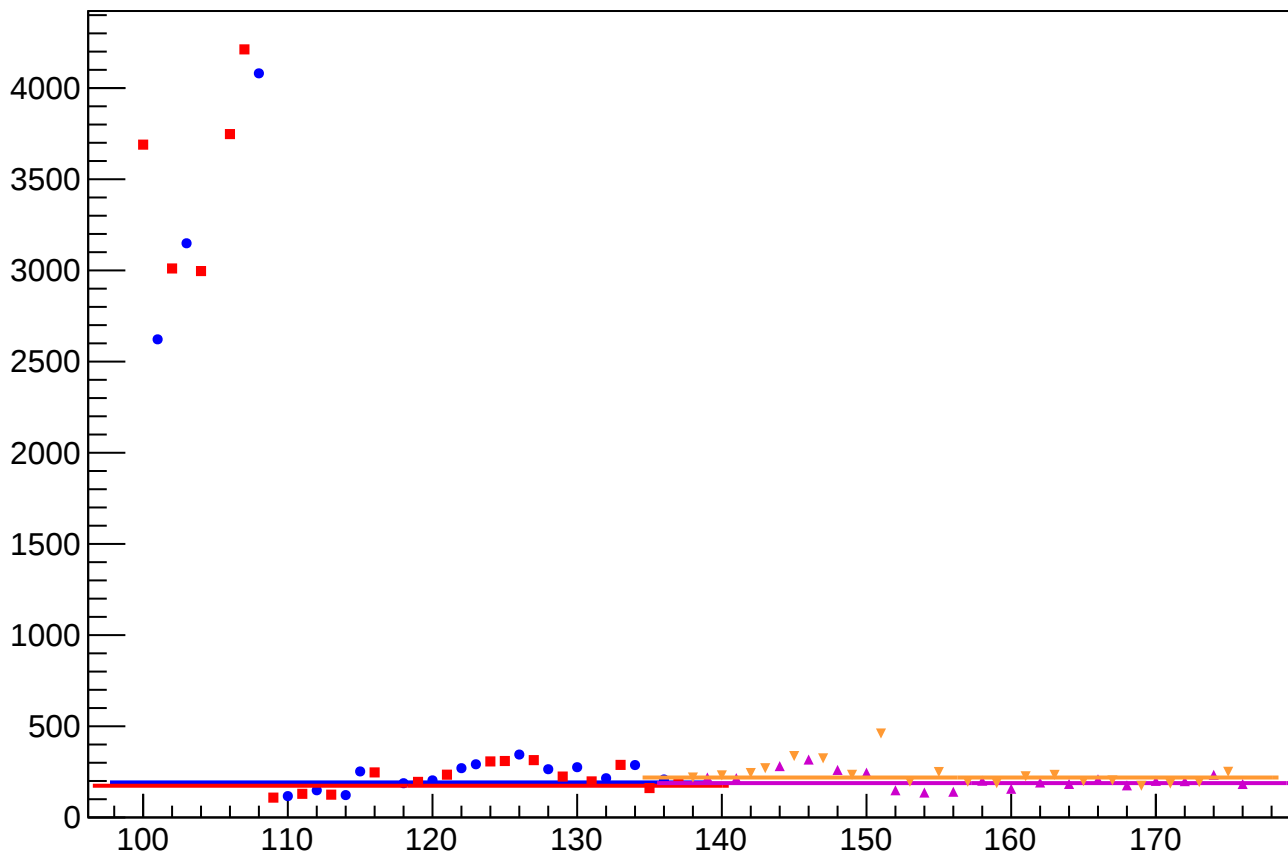
Right: 43.196+/-59.931 χ^2/NDF : 24.0/35

In: 53.398+/-44.429 χ^2/NDF : 19.1/35

Out: -9.917+/-47.360 χ^2/NDF : 16.4/38

All: 23.760+/-32.403 χ^2/NDF : 36.4/74

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: 219.070+/-0.041 χ^2/NDF : 1179678.5/19

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

Left In: 188.368+/-0.036 χ^2/NDF : 1340548.5/18

Left: 201.778+/-0.027 χ^2/NDF : 2832822.8/38

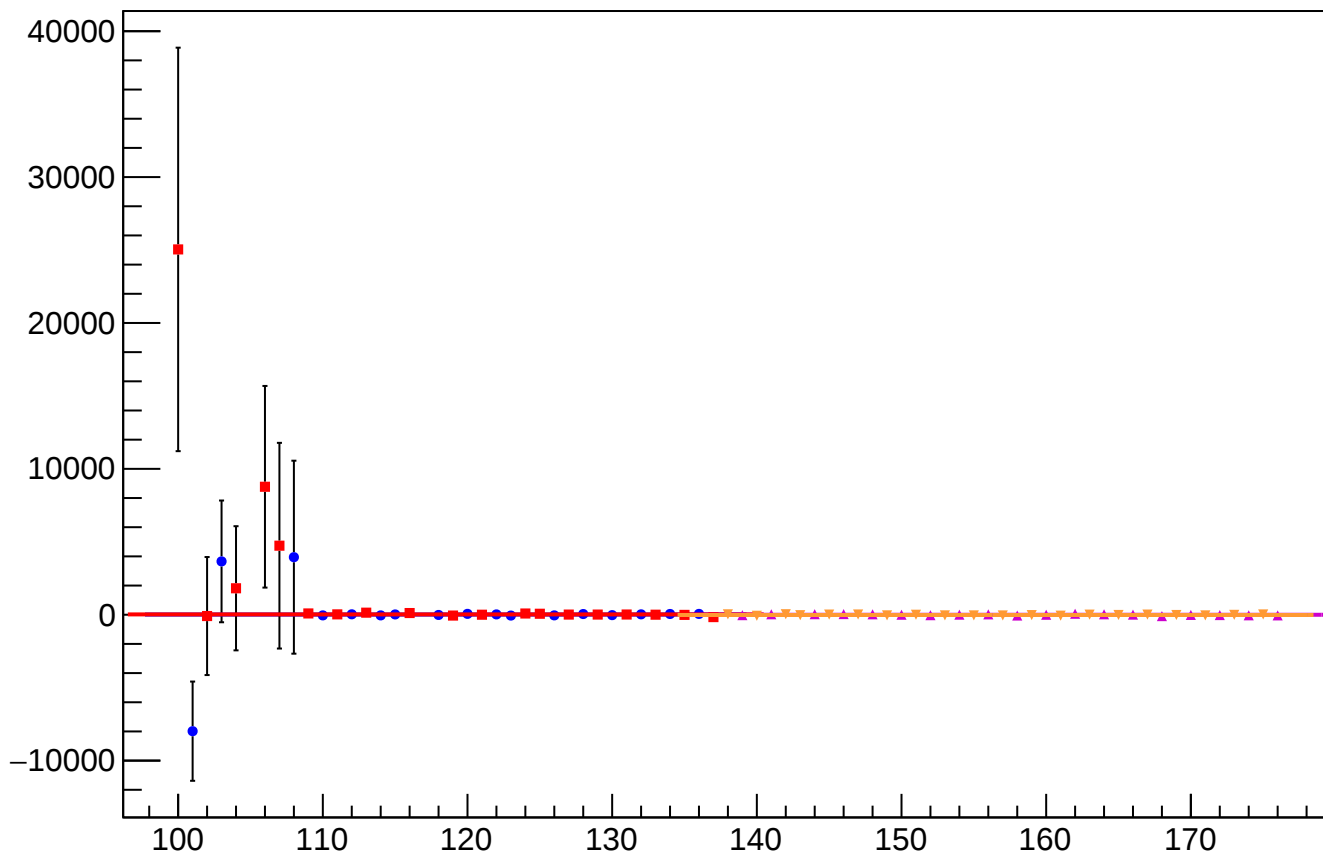
Right: 182.268+/-0.042 χ^2/NDF : 7832071.5/35

In: 189.322+/-0.031 χ^2/NDF : 4917926.9/35

Out: 203.746+/-0.033 χ^2/NDF : 5798288.3/38

All: 196.074+/-0.023 χ^2/NDF : 10814887.5/74

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: -18.279+/-8.109 χ^2/NDF :13.9/19

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

Left In: -2.689+/-8.191 χ^2/NDF :24.5/18

Left: -10.562+/-5.763 χ^2/NDF : 40.2/38

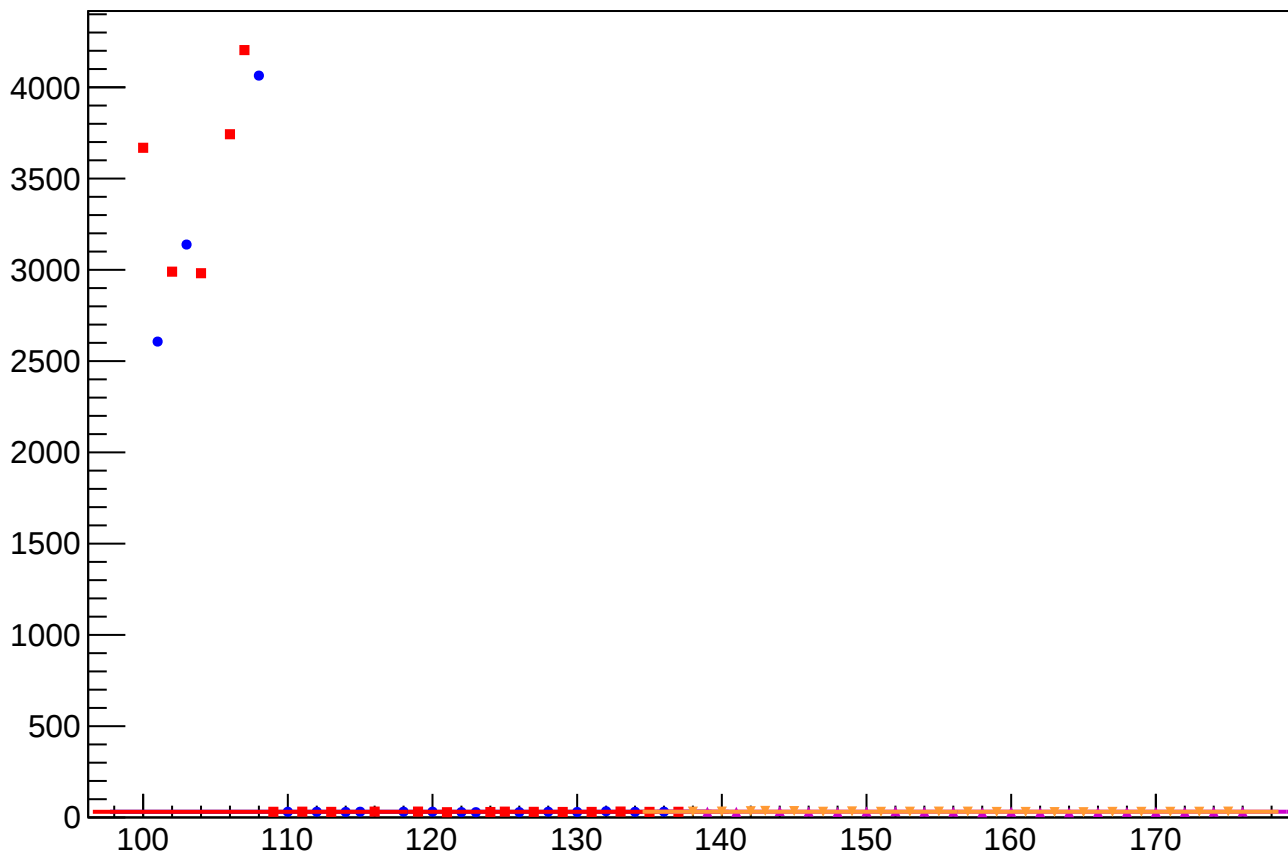
Right: 17.707+/-9.681 χ^2/NDF : 42.9/35

In: 1.367+/-7.034 χ^2/NDF :40.1/35

Out: -7.622+/-6.973 χ^2/NDF :48.5/38

All: -3.166+/-4.952 χ^2/NDF : 89.4/74

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: 31.432+/-0.006 χ^2/NDF : 74267.1/19

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

Left In: 31.408+/-0.006 χ^2/NDF : 84815.0/18

Left: 31.420+/-0.004 χ^2/NDF : 159090.7/38

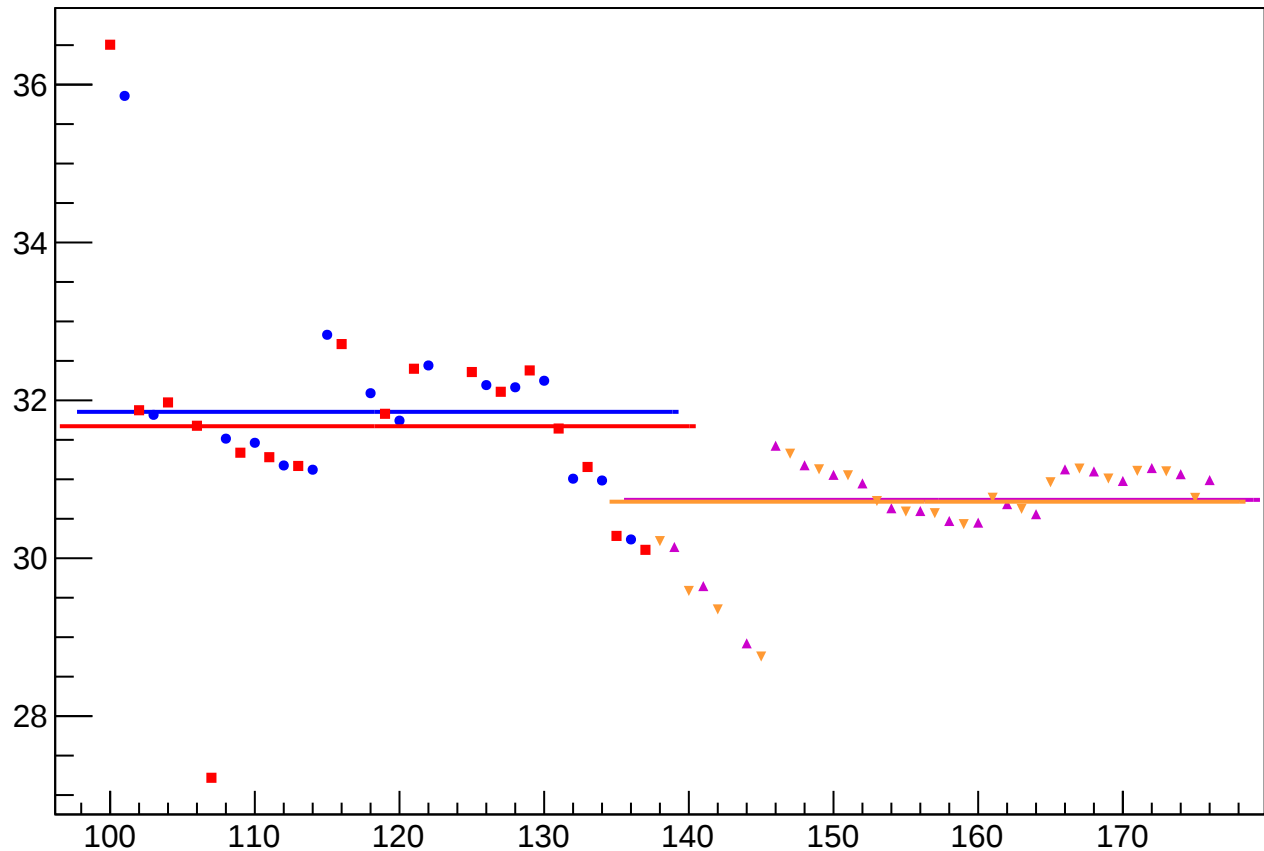
Right: 31.057+/-0.007 χ^2/NDF : 6473633.0/35

In: 31.341+/-0.005 χ^2/NDF : 3099838.7/35

Out: 31.309+/-0.005 χ^2/NDF : 3534936.6/38

All: 31.325+/-0.004 χ^2/NDF : 6634795.4/74

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855 $\pm$ 0.000 χ^2 /NDF: 1570522165.5/15

Left Out: 30.716 $\pm$ 0.000 χ^2 /NDF: 722775855.4/18

Right Out: 31.672 $\pm$ 0.000 χ^2 /NDF: 917899841.8/17

Left In: 30.740 $\pm$ 0.000 χ^2 /NDF: 689151089.2/18

Left: 30.728 $\pm$ 0.000 χ^2 /NDF: 1412533740.1/37

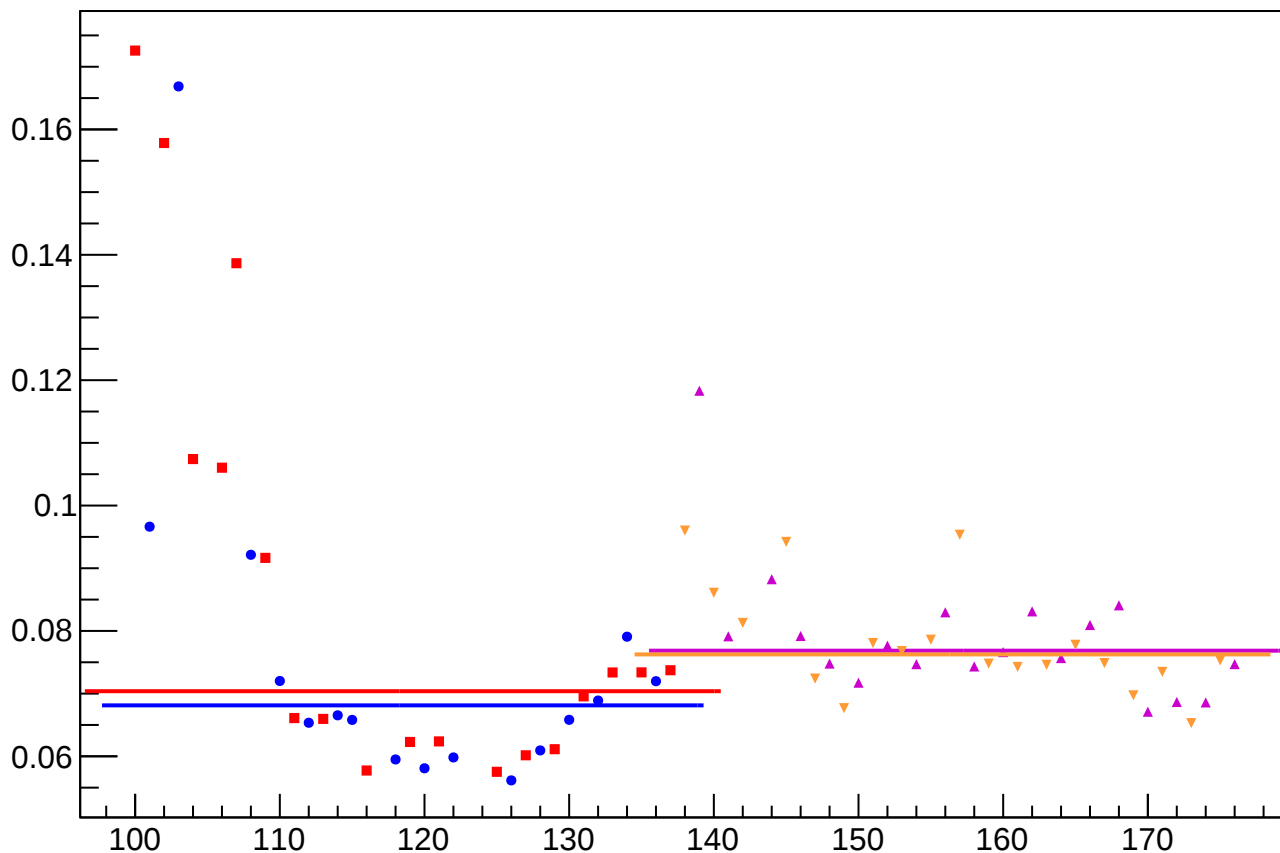
Right: 31.765 $\pm$ 0.000 χ^2 /NDF: 2508641774.0/33

In: 31.135 $\pm$ 0.000 χ^2 /NDF: 3256917422.6/34

Out: 31.049 $\pm$ 0.000 χ^2 /NDF: 2352059923.4/36

All: 31.093 $\pm$ 0.000 χ^2 /NDF: 5621906016.6/71

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:267218.5/18

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:314779.8/18

Left: 0.077 $\pm$ 0.000 χ^2 /NDF: 582791.5/37

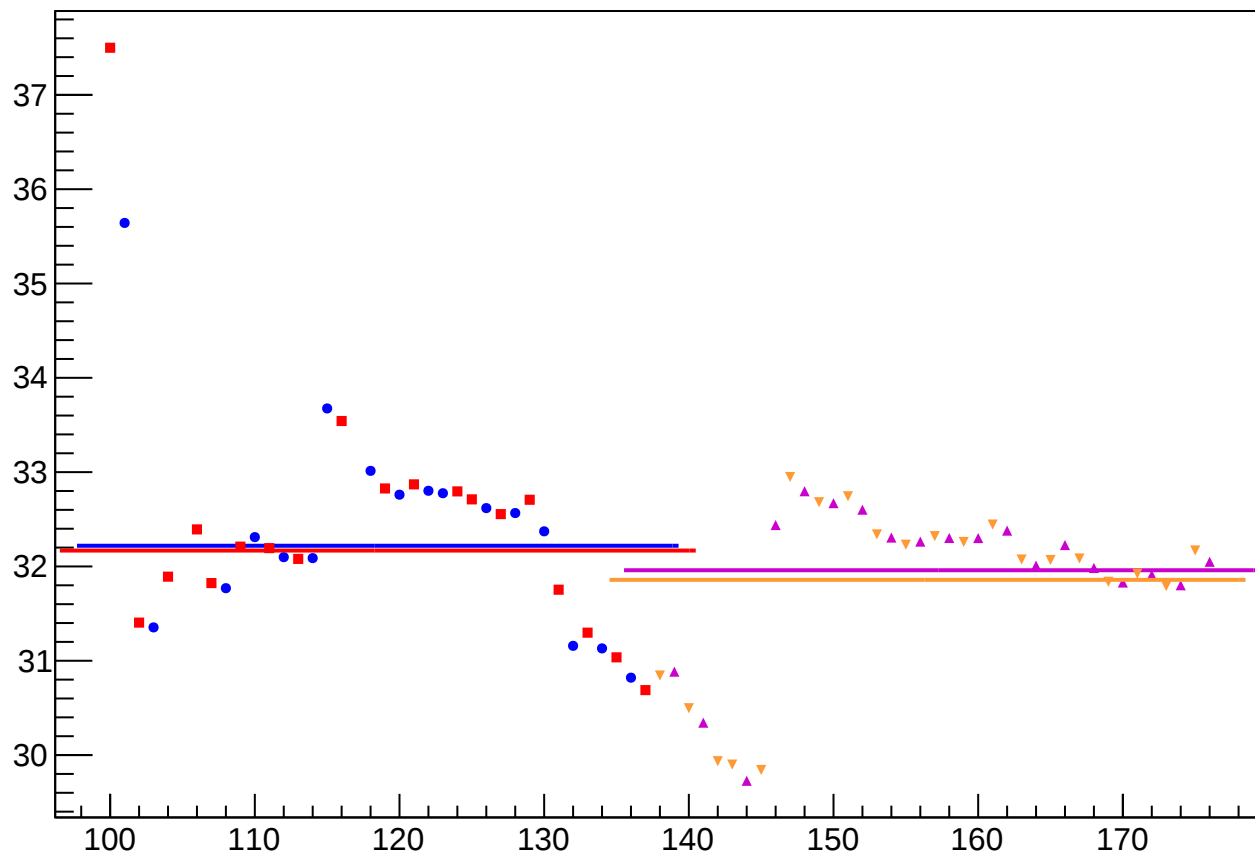
Right: 0.069 $\pm$ 0.000 χ^2 /NDF: 1477315.9/33

In: 0.074 $\pm$ 0.000 χ^2 /NDF:1066632.6/34

Out: 0.074 $\pm$ 0.000 χ^2 /NDF:1162145.2/36

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 2229513.5/71

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.858+/-0.000 χ^2/NDF : 1840330753.0/19

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

Left In: 31.960+/-0.000 χ^2/NDF : 1408639550.0/18

Left: 31.909+/-0.000 χ^2/NDF : 3260862512.8/38

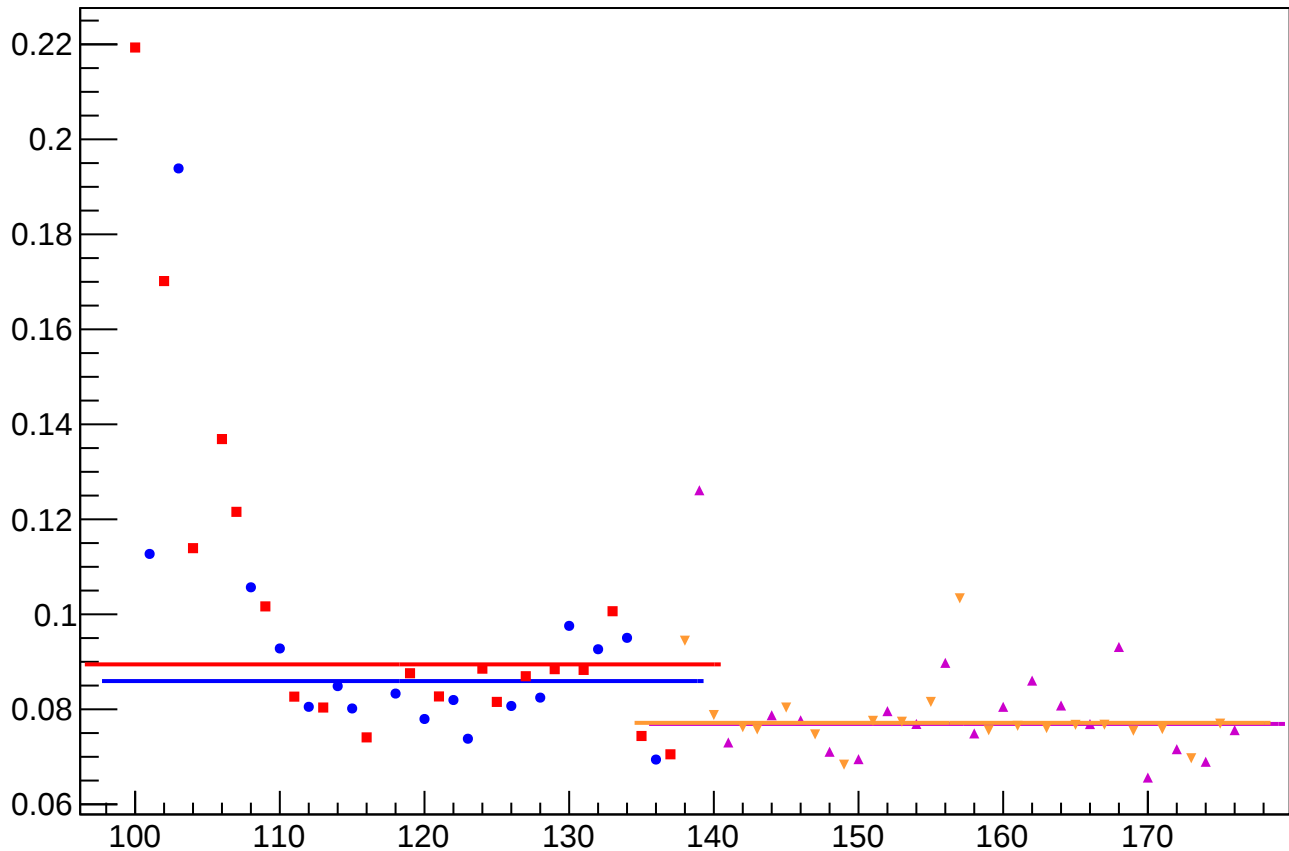
Right: 32.194+/-0.000 χ^2/NDF : 1457173552.7/35

In: 32.026+/-0.000 χ^2/NDF : 2461922355.3/35

Out: 31.936+/-0.000 χ^2/NDF : 2338146287.6/38

All: 31.981+/-0.000 χ^2/NDF : 4812660273.3/77

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.077+/-0.000 χ^2/NDF :180207.2/19

Right Out: 0.089+/-0.000 χ^2/NDF : 539869.9/18

Left In: 0.077+/-0.000 χ^2/NDF :421629.5/18

Left: 0.077+/-0.000 χ^2/NDF : 601956.8/38

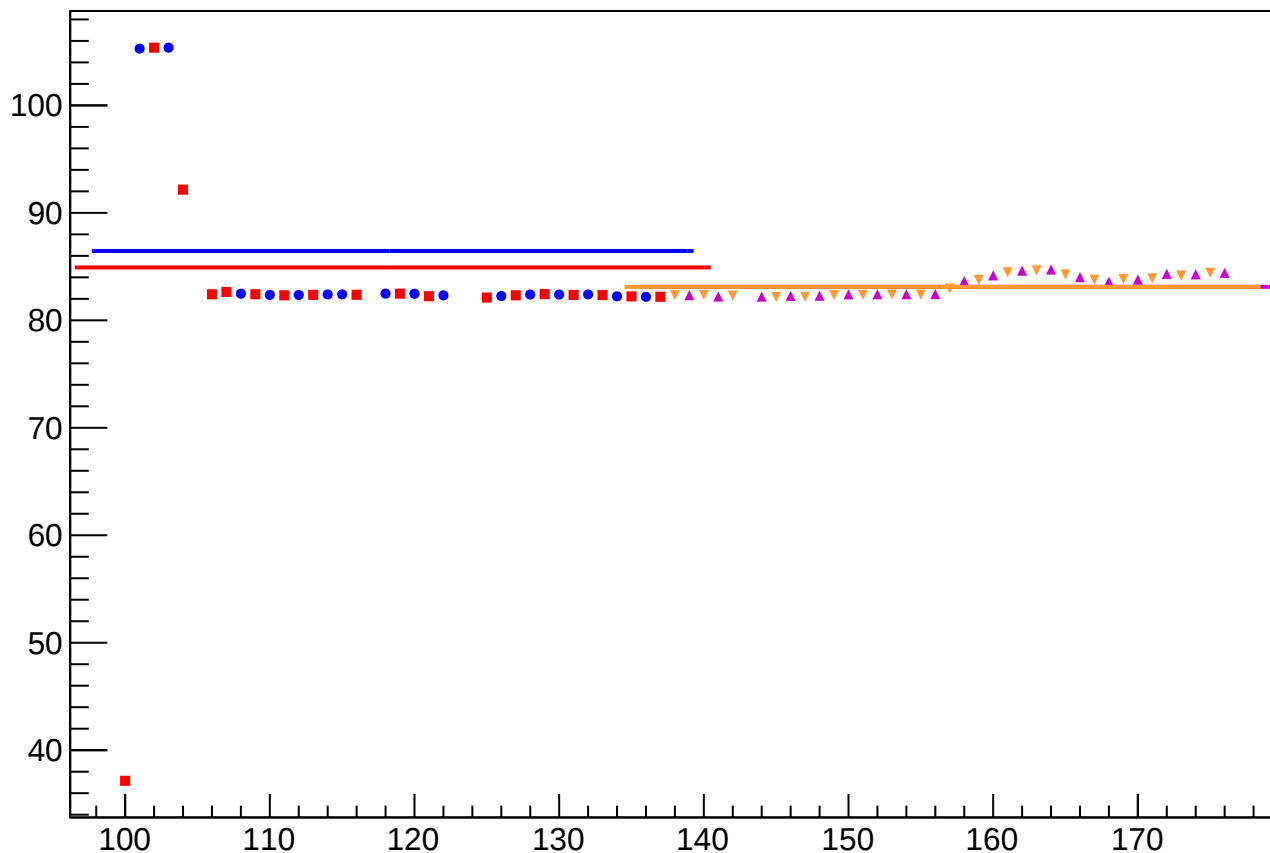
Right: 0.088+/-0.000 χ^2/NDF : 1102728.3/35

In: 0.079+/-0.000 χ^2/NDF :1070031.6/35

Out: 0.080+/-0.000 χ^2/NDF :894516.3/38

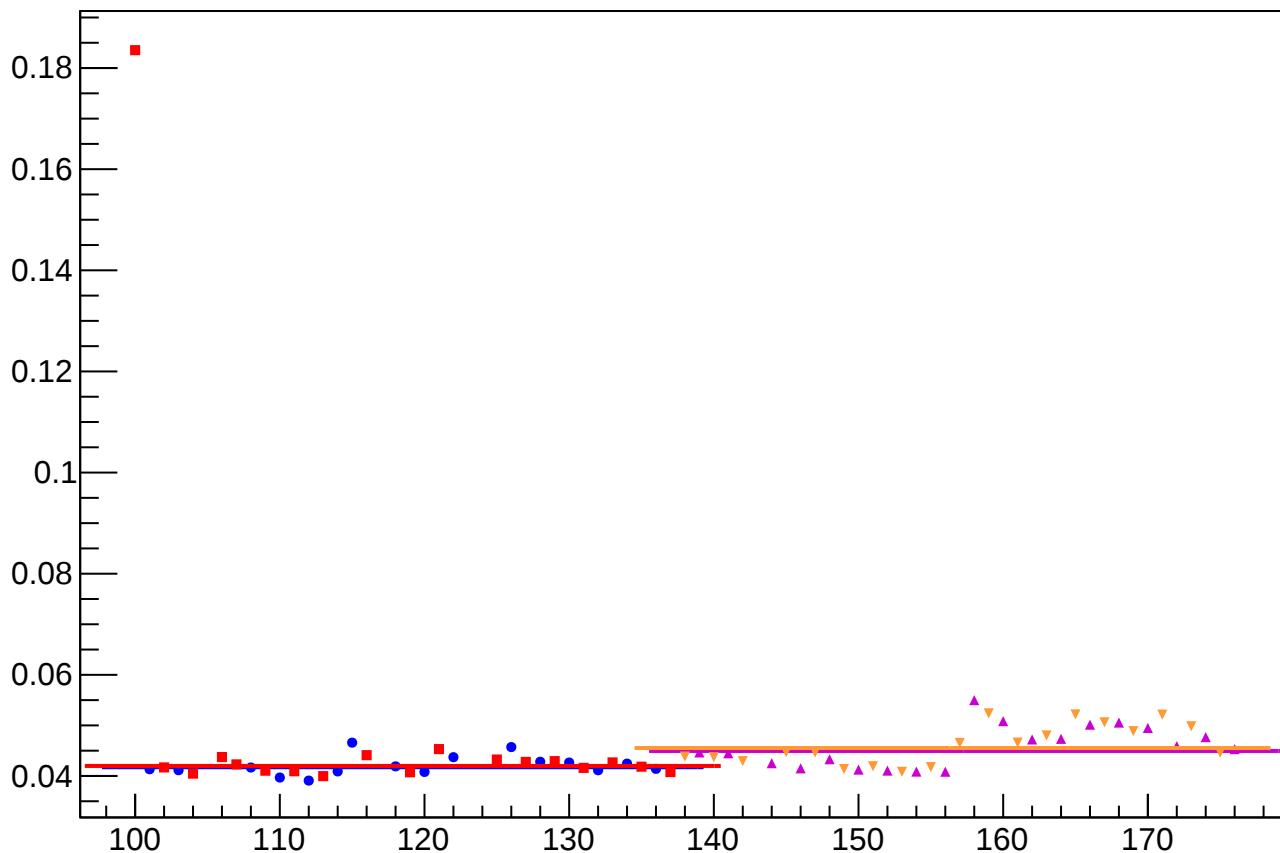
All: 0.080+/-0.000 χ^2/NDF : 1967616.7/74

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000	χ^2/NDF : 291421048436.2/15	Left: 83.115+/-0.000	χ^2/NDF : 11796068977.0/37
Left Out: 83.112+/-0.000	χ^2/NDF : 5564144226.3/18	Right: 85.675+/-0.000	χ^2/NDF : 468146833571.9/33
Right Out: 84.920+/-0.000	χ^2/NDF : 172195187677.7/17	In: 84.275+/-0.000	χ^2/NDF : 325112502934.1/34
Left In: 83.117+/-0.000	χ^2/NDF : 6231827648.8/18	Out: 83.776+/-0.000	χ^2/NDF : 185830143846.4/36
		All: 84.028+/-0.000	χ^2/NDF : 512277876239.

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.046 $\pm$ 0.000 χ^2 /NDF:179088.2/18

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96869.3/17

Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:209874.9/18

Left: 0.045 $\pm$ 0.000 χ^2 /NDF: 391301.0/37

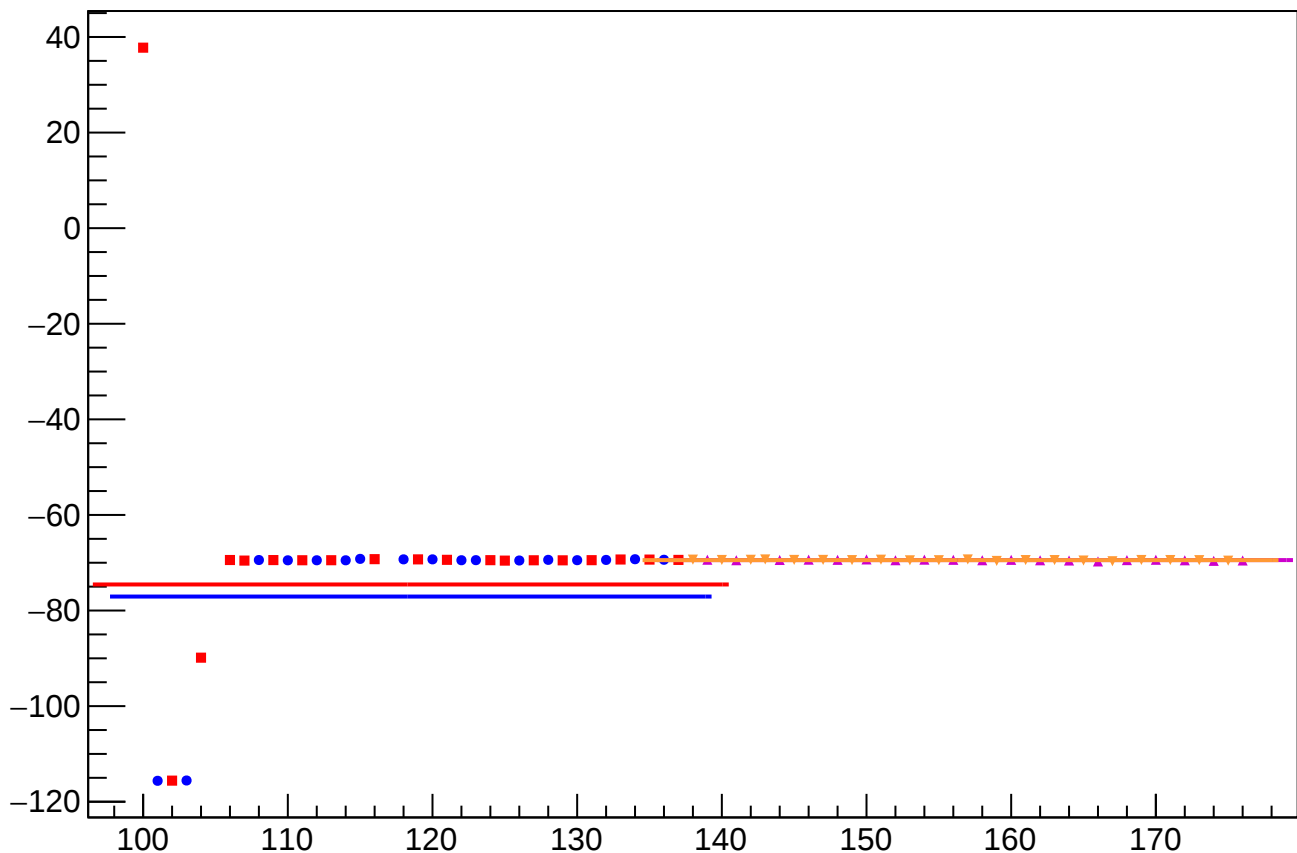
Right: 0.042 $\pm$ 0.000 χ^2 /NDF: 116001.6/33

In: 0.044 $\pm$ 0.000 χ^2 /NDF:279725.4/34

Out: 0.044 $\pm$ 0.000 χ^2 /NDF:338061.9/36

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 619453.0/71

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000

χ^2/NDF : 565391865606.1/16

Left: -69.451+/-0.000

χ^2/NDF : 84339212.4/38

Left Out: -69.456+/-0.000

χ^2/NDF : 42684633.0/19

Right: -75.769+/-0.000

χ^2/NDF : 943595296169.5/3

Right Out: -74.547+/-0.000

χ^2/NDF : 371890102737.4/18

In: -71.693+/-0.000

χ^2/NDF : 644033565026.0/35

Out: -70.990+/-0.000

χ^2/NDF : 408919968125.0/38

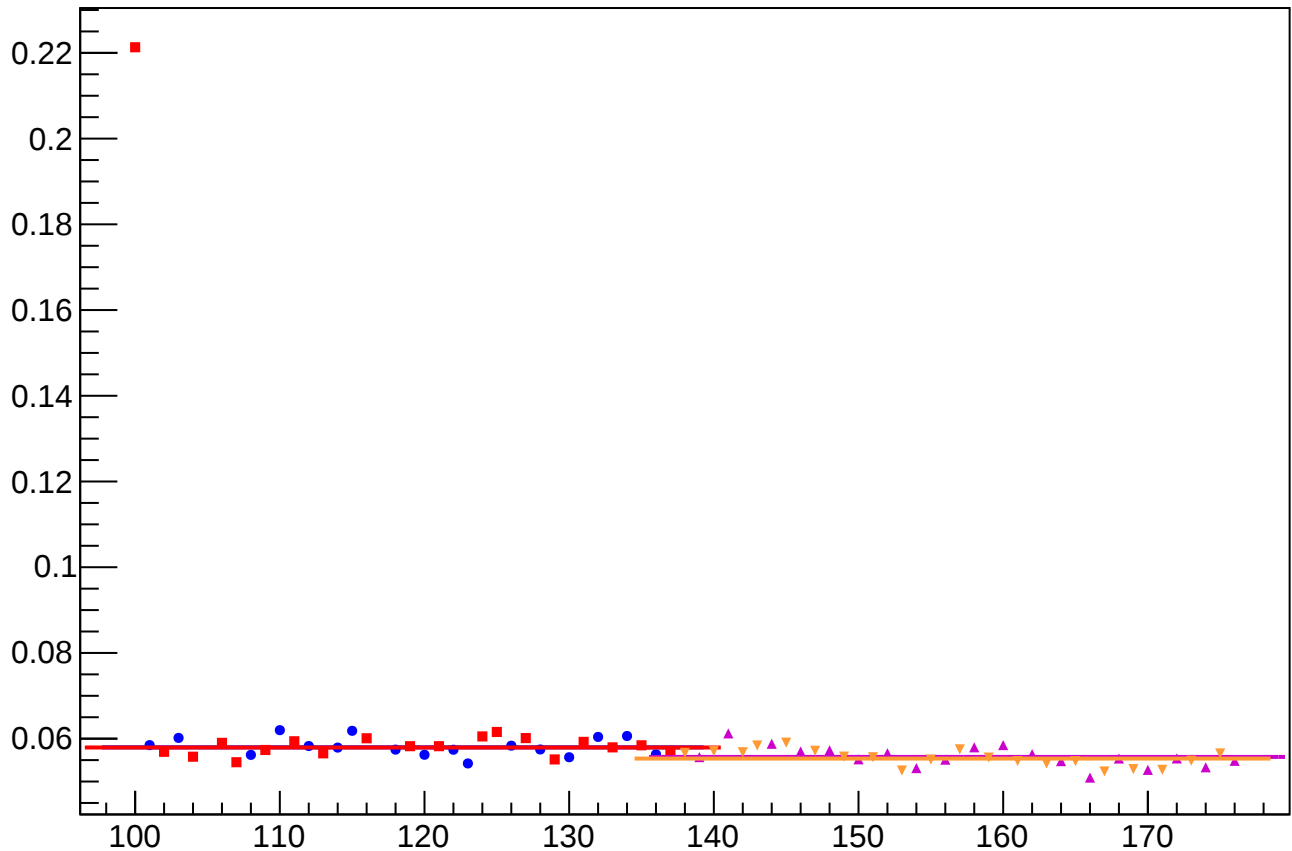
Left In: -69.446+/-0.000

χ^2/NDF : 41421666.2/18

All: -71.334+/-0.000

χ^2/NDF : 105459783550

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12275.6/16

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:34068.4/19

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 86466.5/18

Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:48878.4/18

Left: 0.056 $\pm$ 0.000 χ^2 /NDF: 83634.6/38

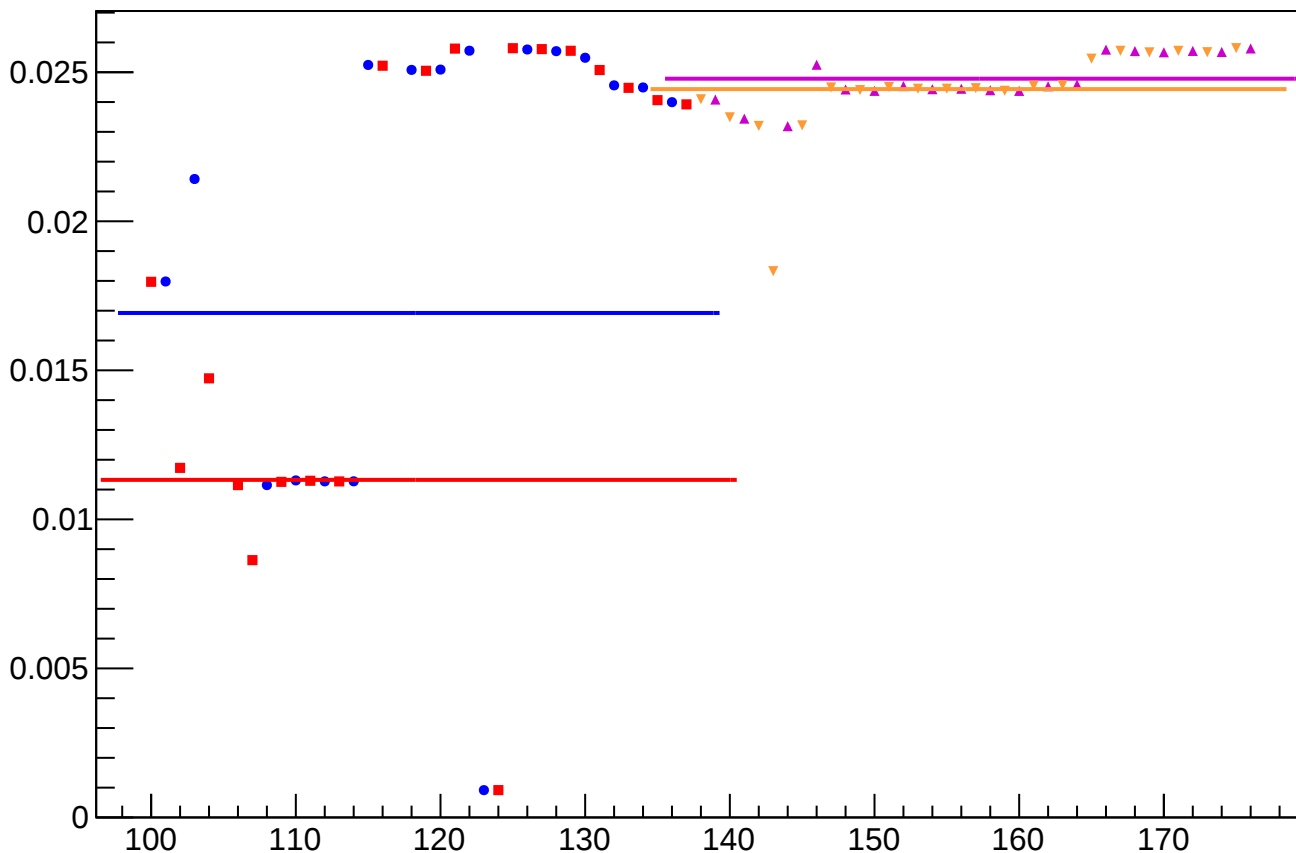
Right: 0.058 $\pm$ 0.000 χ^2 /NDF: 98743.9/35

In: 0.056 $\pm$ 0.000 χ^2 /NDF:74585.1/35

Out: 0.056 $\pm$ 0.000 χ^2 /NDF:139589.8/38

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 214633.3/74

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000

χ^2/NDF : 126447785006.7/16

Left: 0.025+/-0.000

χ^2/NDF : 9126005233.2/38

Left Out: 0.024+/-0.000

χ^2/NDF : 7310431445.5/19

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 : 193934859866.9/35

Out: 0.019+/-0.000

χ^2/NDF : 470144874223.1/38

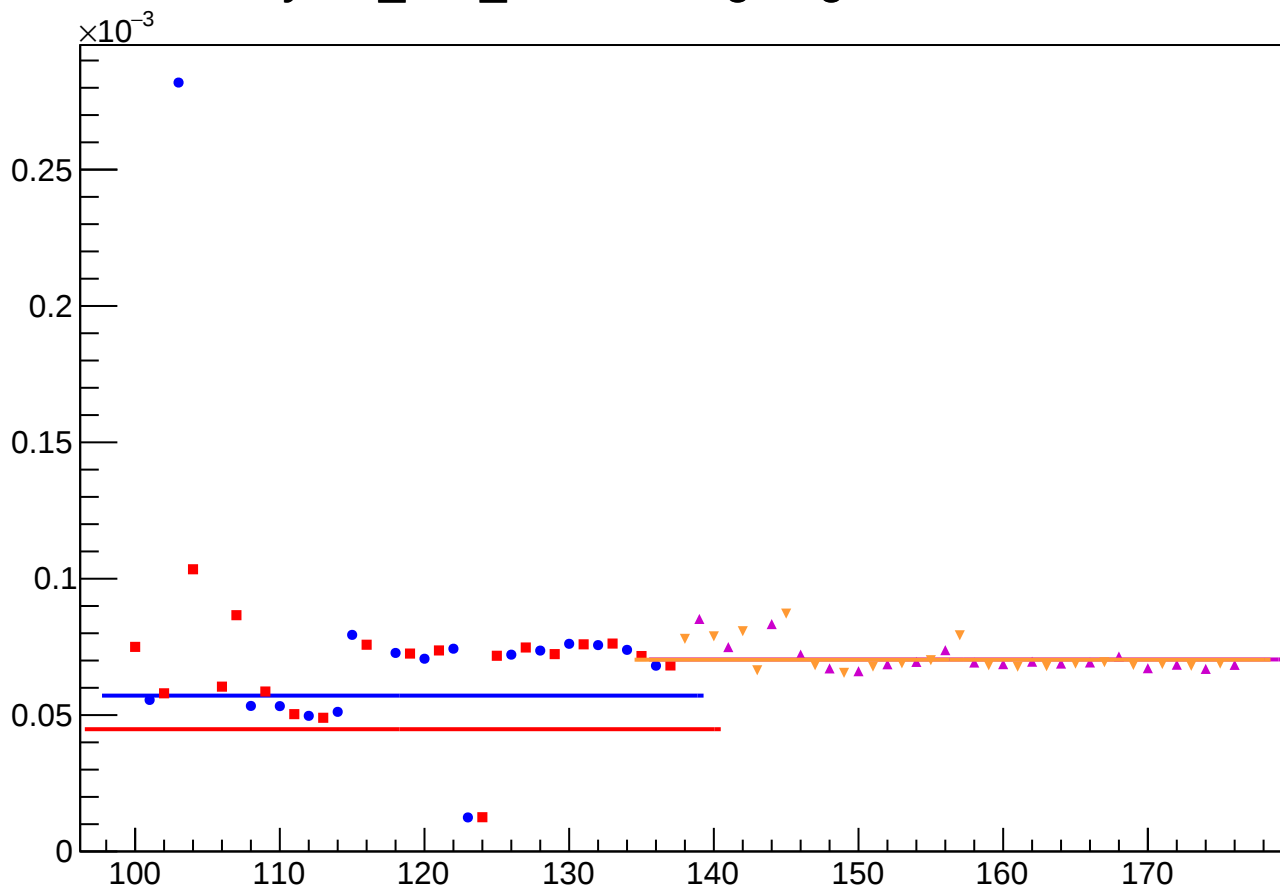
Left In: 0.025+/-0.000

χ^2/NDF : 1635459502.9/18

All: 0.020+/-0.000

χ^2/NDF : 691618957738.5

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 :146597.1/19

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

Left In: 0.000+/-0.000 χ^2/NDF :119011.6/18

Left: 0.000+/-0.000 χ^2/NDF : 265632.4/38

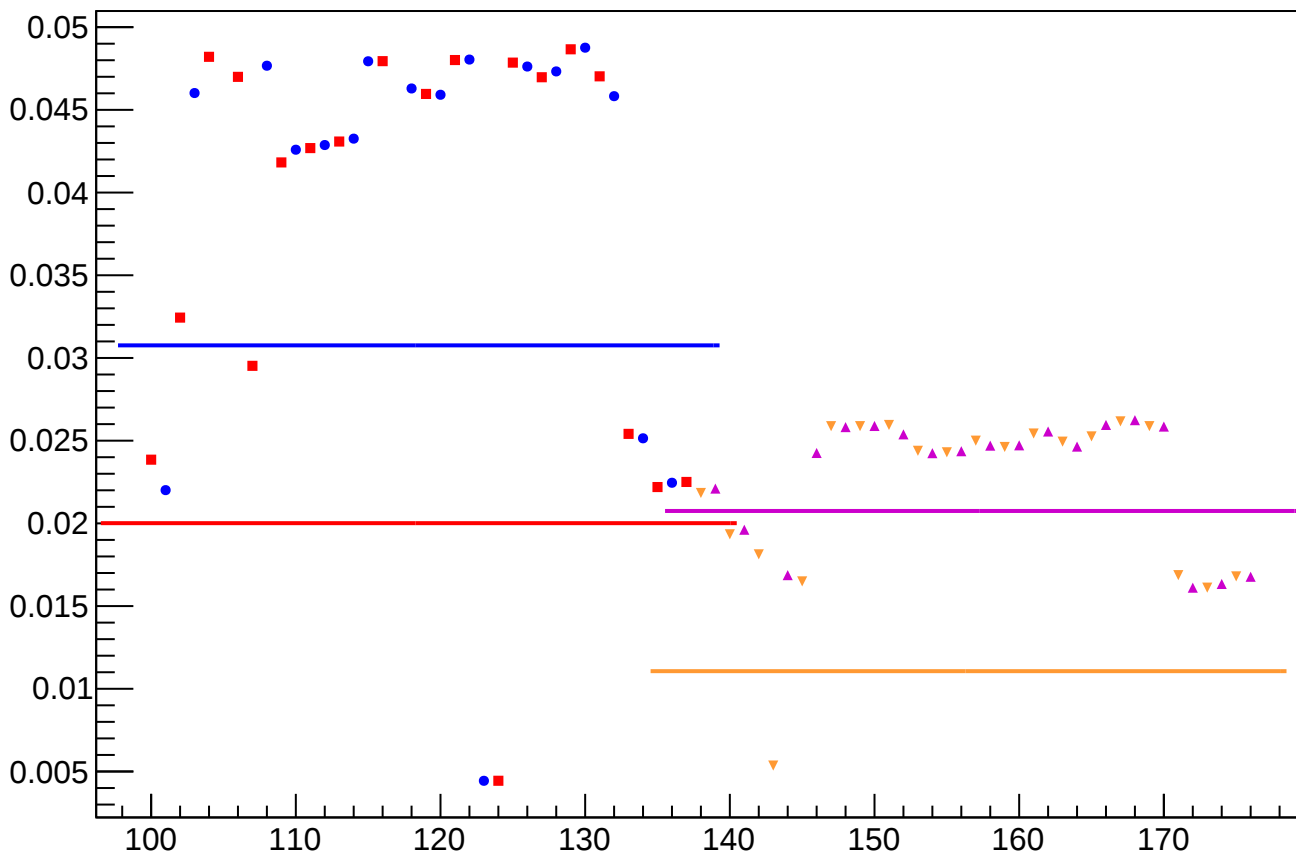
Right: 0.000+/-0.000 χ^2/NDF : 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF :2494221.4/35

Out: 0.000+/-0.000 χ^2/NDF :5462428.7/38

All: 0.000+/-0.000 χ^2/NDF : 8174253.0/74

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21174738549.0/16

Left: 0.014+/-0.000

χ^2/NDF : 52331594220.4/38

Left Out: 0.011+/-0.000

χ^2/NDF : 34336548242.2/19

Right: 0.024+/-0.000

χ^2/NDF : 66286425044.9/35

Right Out: 0.020+/-0.000

χ^2/NDF : 40011334157.0/18

In: 0.023+/-0.000

χ^2/NDF : 30263181378.7/35

Out: 0.013+/-0.000

χ^2/NDF : 82094494813.9/38

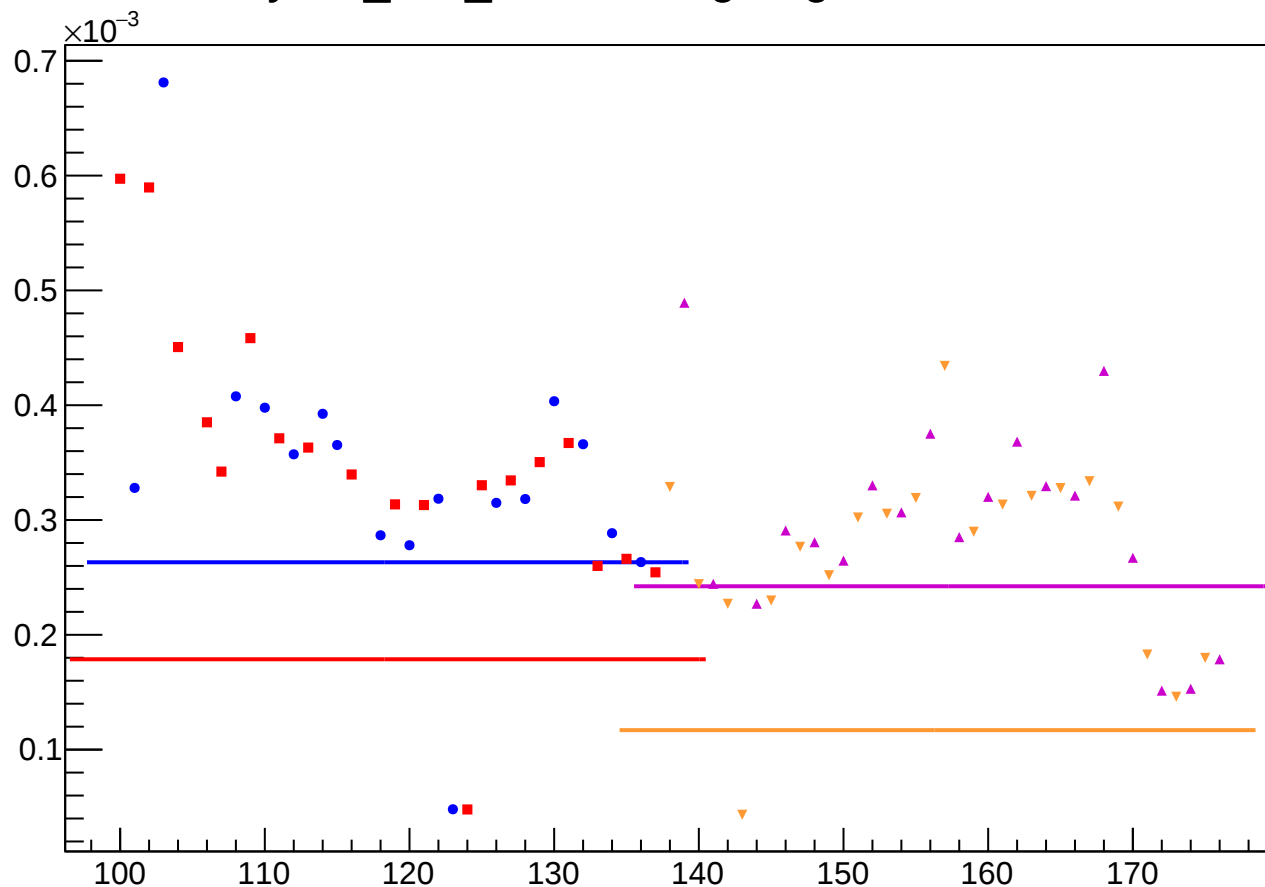
Left In: 0.021+/-0.000

χ^2/NDF : 3790880626.6/18

All: 0.016+/-0.000

χ^2/NDF : 134749924577.1

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 :12207978.7/19

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF :2704023.5/18

Left: 0.000+/-0.000 χ^2/NDF : 19668331.6/38

Right: 0.000+/-0.000 χ^2/NDF : 8372315.9/35

In: 0.000+/-0.000 χ^2/NDF :5151242.8/35

Out: 0.000+/-0.000 χ^2/NDF :18286311.7/38

All: 0.000+/-0.000 χ^2/NDF : 29098432.0/74

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000

χ^2/NDF : 97152184939.3/16

Left: 0.039 $\pm$ 0.000 χ^2/NDF : 908161557.5/38

Right: 0.032 $\pm$ 0.000 χ^2/NDF : 145974720907.4/35

Left Out: 0.039 $\pm$ 0.000

χ^2/NDF : 480784566.3/19

In: 0.036 $\pm$ 0.000 χ^2/NDF : 121545210056.6/35

Right Out: 0.035 $\pm$ 0.000

χ^2/NDF : 43669374279.3/18

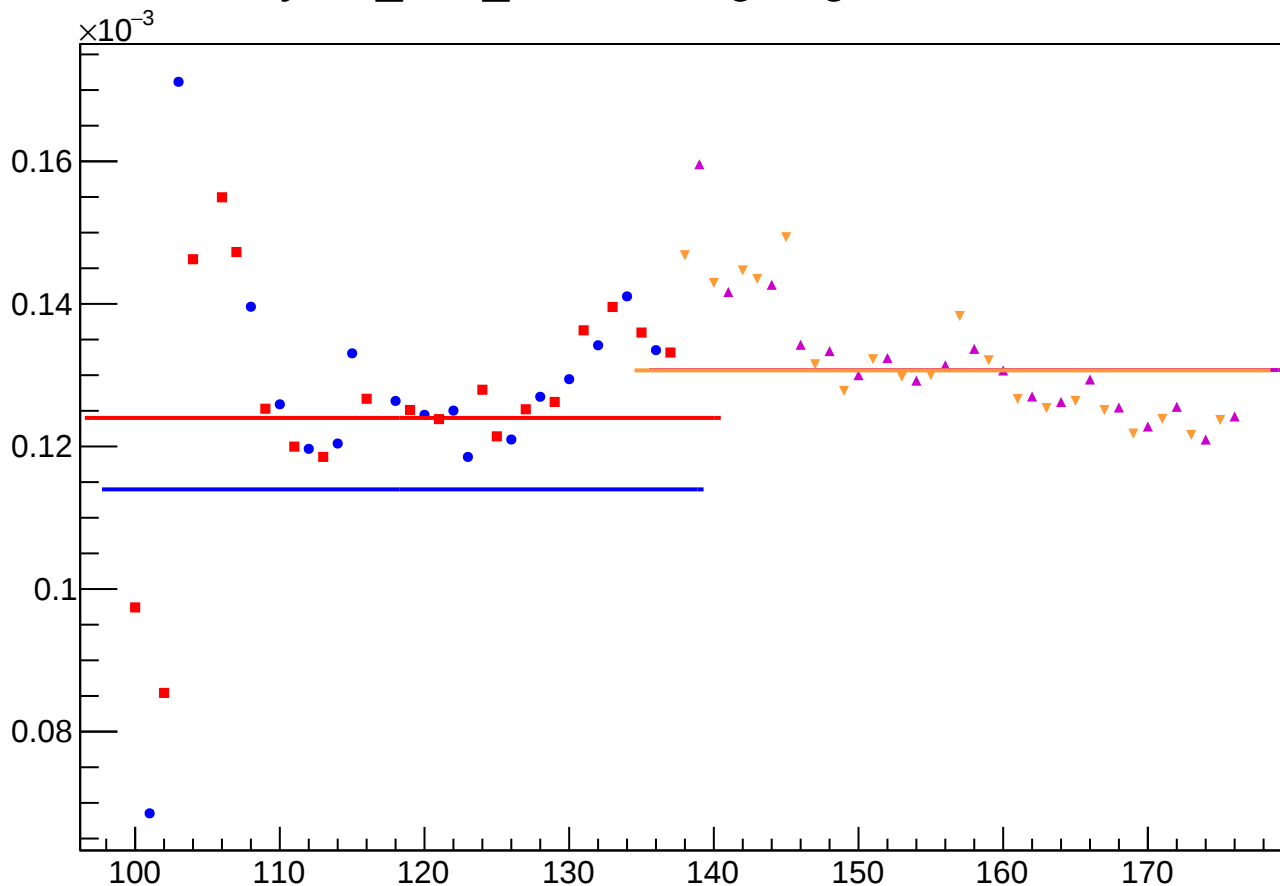
Out: 0.037 $\pm$ 0.000 χ^2/NDF : 48934604505.3/38

Left In: 0.039 $\pm$ 0.000

χ^2/NDF : 426590488.9/18

All: 0.036 $\pm$ 0.000 χ^2/NDF : 172555011894.8

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :109693.8/19

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

Left In: 0.000+/-0.000 χ^2/NDF :99918.8/18

Left: 0.000+/-0.000 χ^2/NDF : 209614.3/38

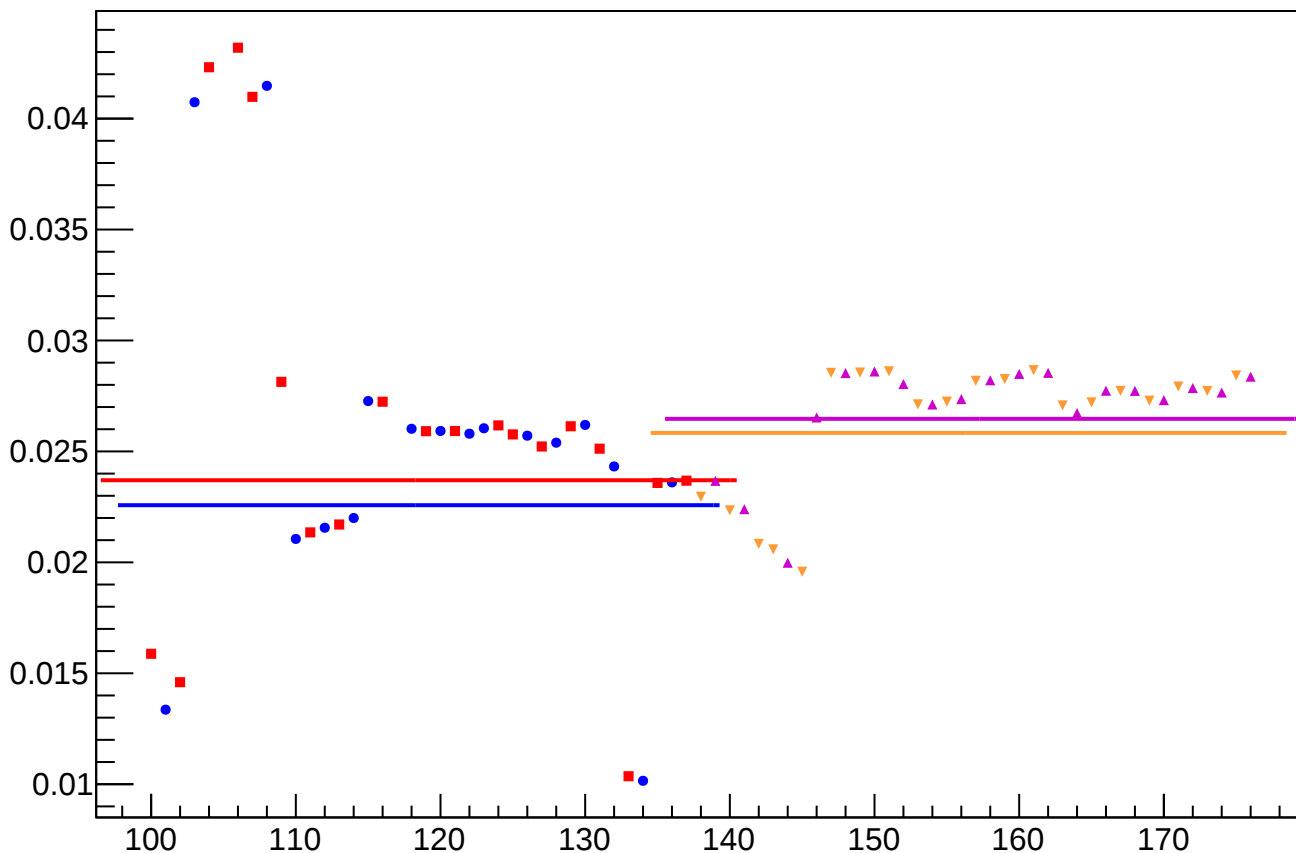
Right: 0.000+/-0.000 χ^2/NDF : 1085105.2/35

In: 0.000+/-0.000 χ^2/NDF :1064213.7/35

Out: 0.000+/-0.000 χ^2/NDF :380462.4/38

All: 0.000+/-0.000 χ^2/NDF : 1462800.4/74

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 : 1806616937.9/19

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

Left In: 0.026+/-0.000 χ^2/NDF : 1206849595.3/18

Left: 0.026+/-0.000 χ^2/NDF : 3046181525.2/38

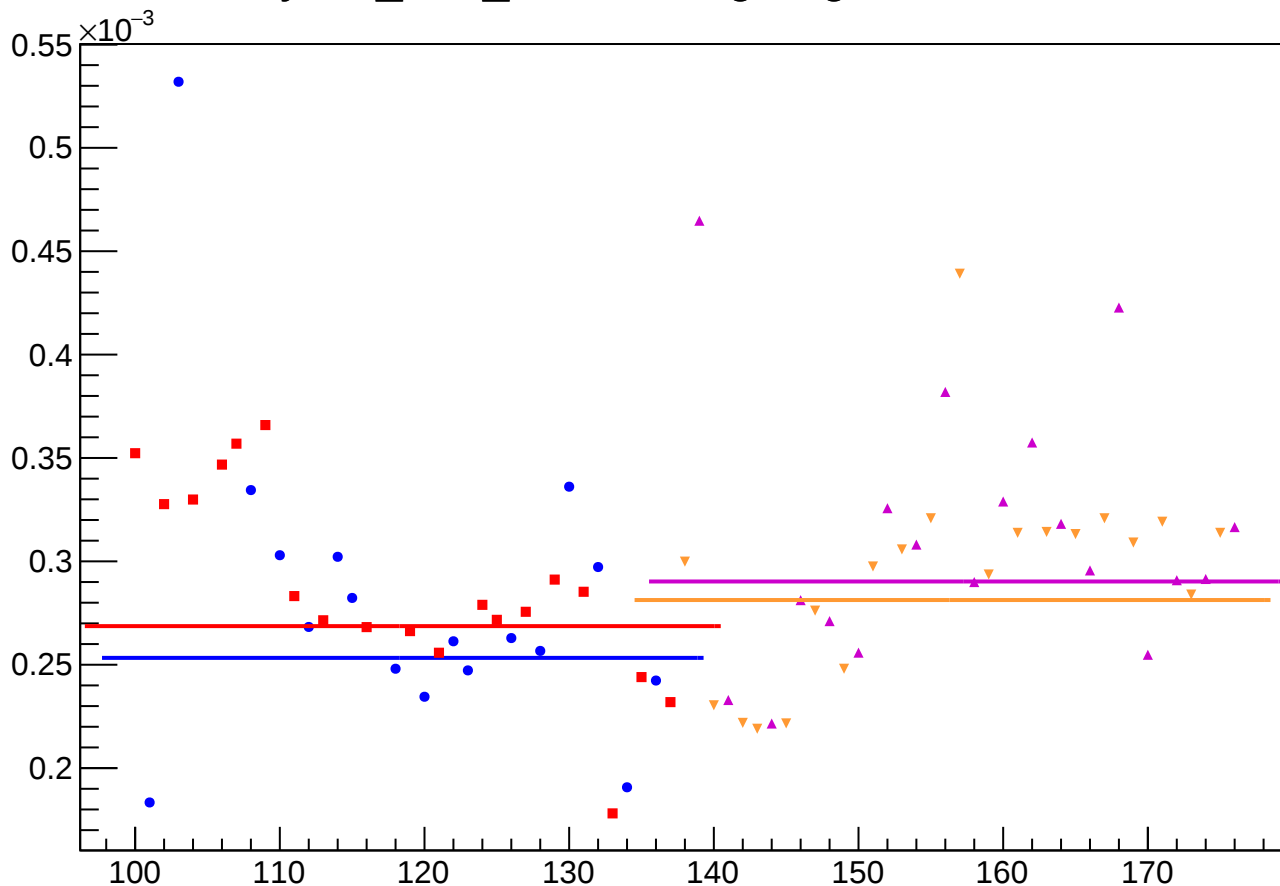
Right: 0.023+/-0.000 χ^2/NDF : 9954563356.3/35

In: 0.025+/-0.000 χ^2/NDF : 6322825633.7/35

Out: 0.025+/-0.000 χ^2/NDF : 7715229216.6/38

All: 0.025+/-0.000 χ^2/NDF : 14038584805.0/71

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 645365.3/19

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

Left In: 0.000+/-0.000 χ^2/NDF : 851257.6/18

Left: 0.000+/-0.000 χ^2/NDF : 1509709.8/38

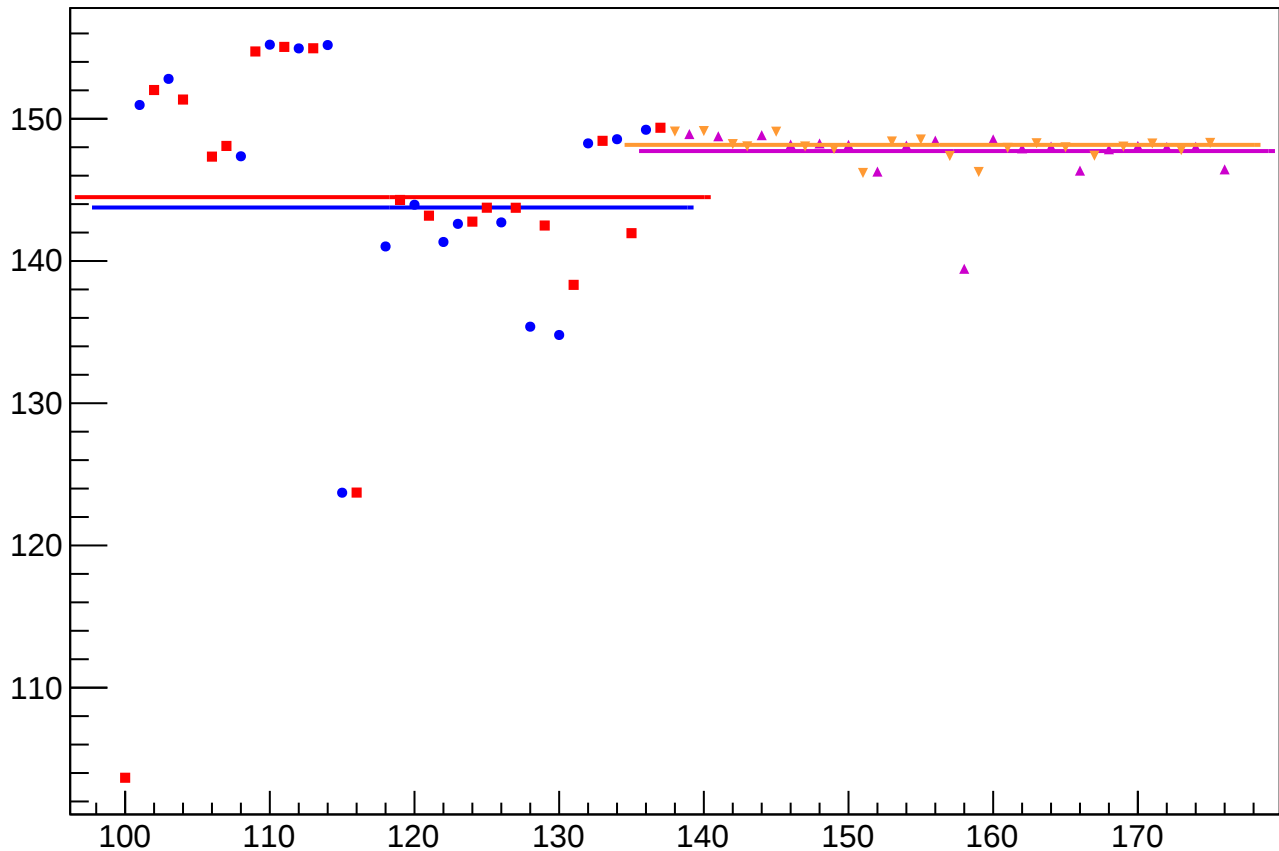
Right: 0.000+/-0.000 χ^2/NDF : 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF : 1636927.8/35

Out: 0.000+/-0.000 χ^2/NDF : 1091704.4/38

All: 0.000+/-0.000 χ^2/NDF : 2728646.1/74

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763+/-0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.166+/-0.000 χ^2/NDF : 52872542.2/19

Right Out: 144.490+/-0.000 χ^2/NDF : 4182548232.5/18

Left In: 147.730+/-0.000 χ^2/NDF : 330346337.4/18

Left: 147.954+/-0.000 χ^2/NDF : 390809640.4/38

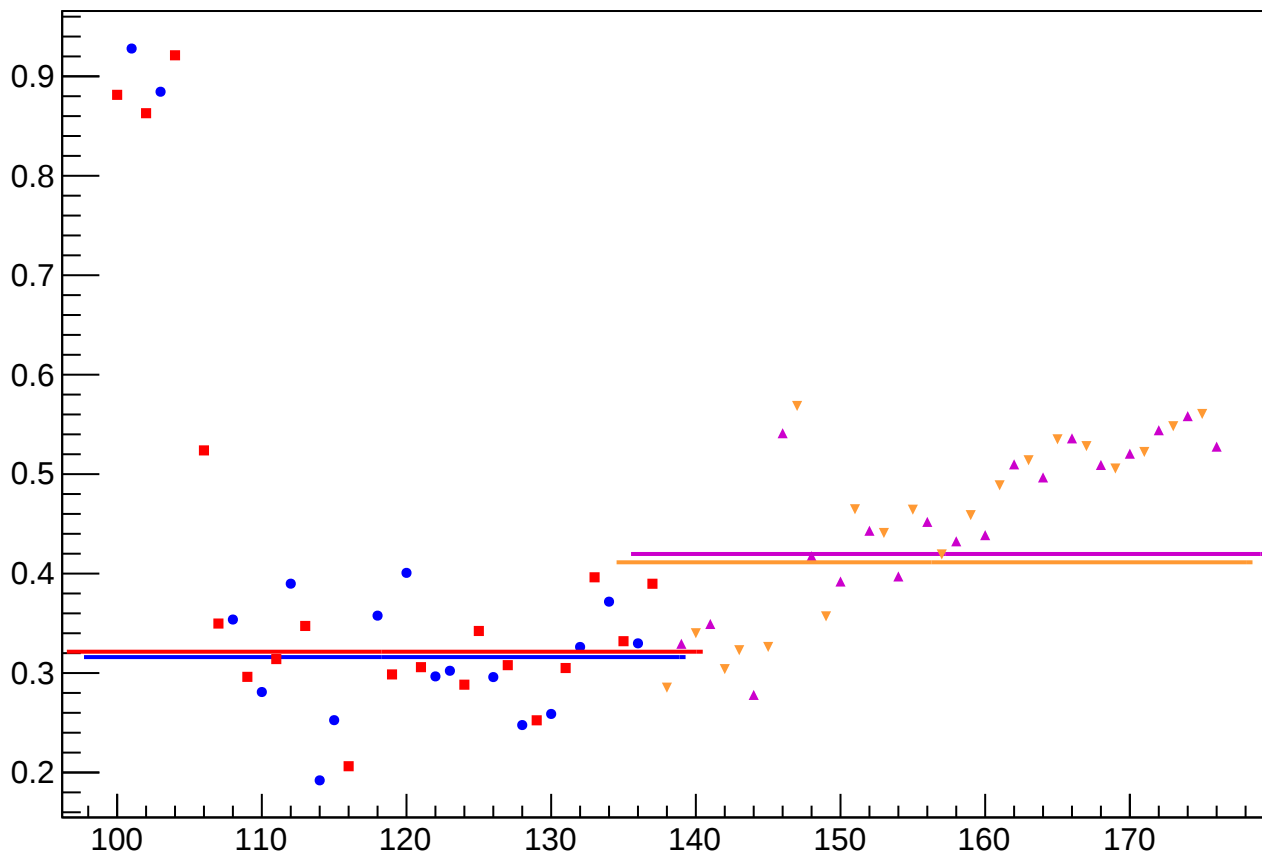
Right: 144.130+/-0.000 χ^2/NDF : 7732099987.4/35

In: 146.079+/-0.000 χ^2/NDF : 4376171186.0/35

Out: 146.663+/-0.000 χ^2/NDF : 4688171857.7/38

All: 146.376+/-0.000 χ^2/NDF : 9087529101.1

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.411+/-0.000 χ^2/NDF :1422947.5/19

Right Out: 0.321+/-0.000 χ^2/NDF : 1219073.9/18

Left In: 0.420+/-0.000 χ^2/NDF :1179038.5/18

Left: 0.415+/-0.000 χ^2/NDF : 2607584.0/38

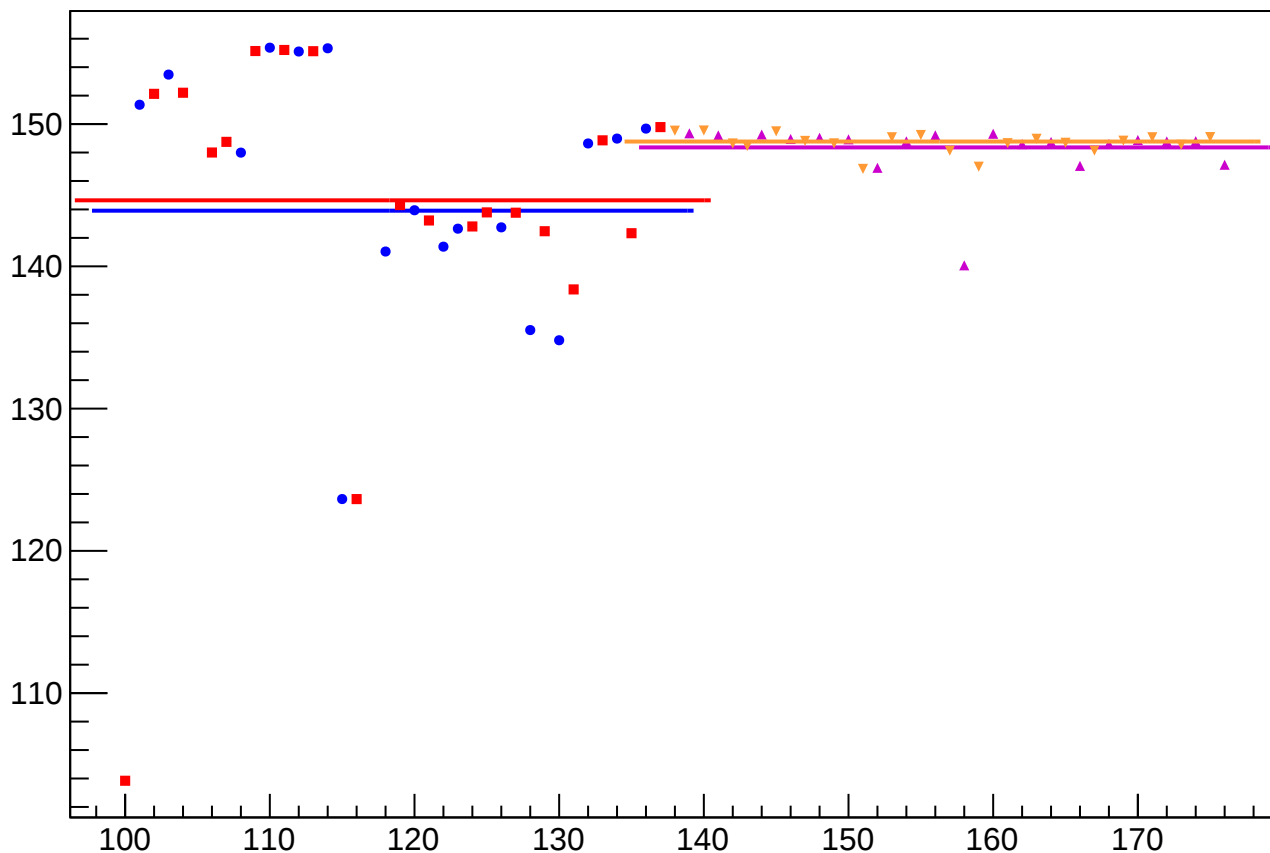
Right: 0.319+/-0.000 χ^2/NDF : 2486648.0/35

In: 0.377+/-0.000 χ^2/NDF :3143046.7/35

Out: 0.375+/-0.000 χ^2/NDF :3183427.4/38

All: 0.376+/-0.000 χ^2/NDF : 6327006.4/74

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.773 $\pm$ 0.000 χ^2 /NDF: 41539913.0/19

Right Out: 144.640 $\pm$ 0.000 χ^2 /NDF: 4209610240.4/18

Left In: 148.360 $\pm$ 0.000 χ^2 /NDF: 319502619.7/18

Left: 148.572 $\pm$ 0.000 χ^2 /NDF: 367713984.8/38

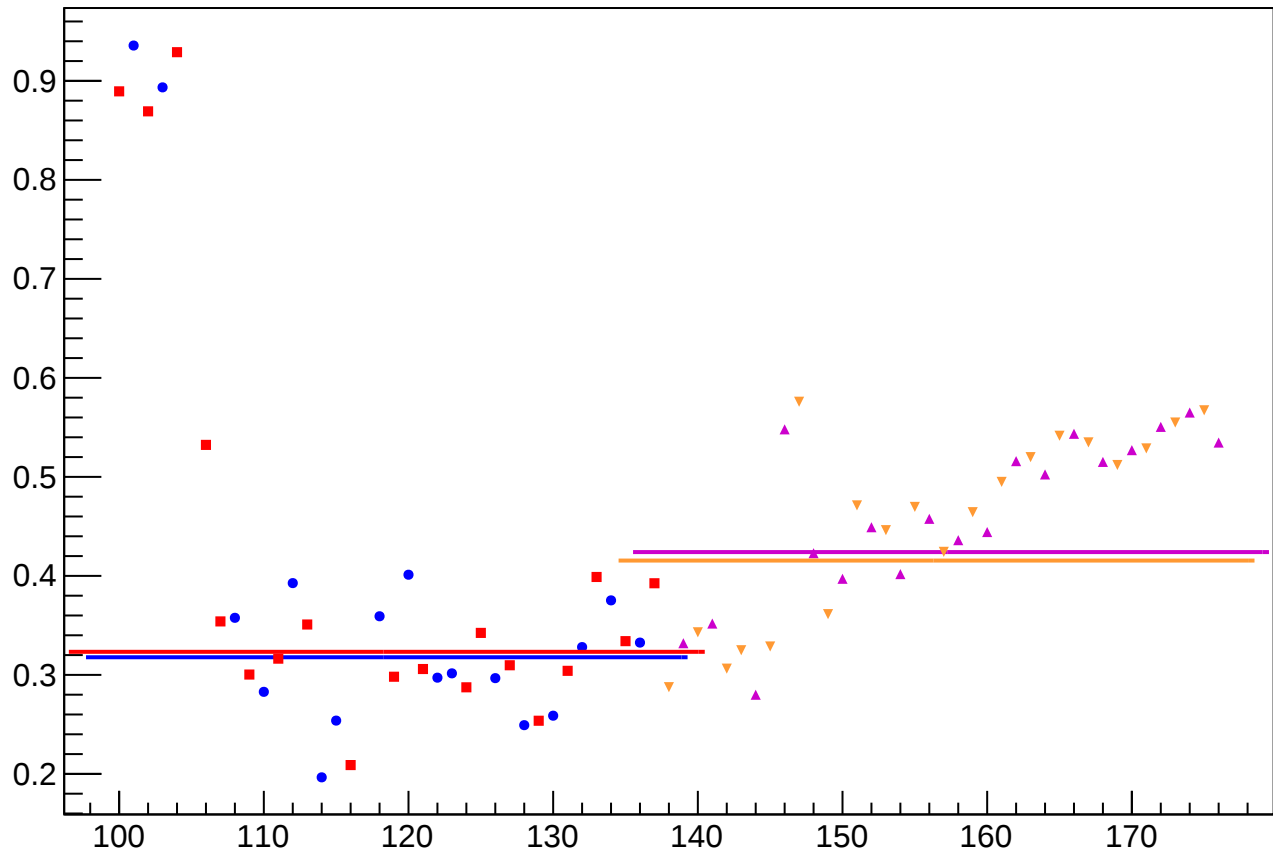
Right: 144.280 $\pm$ 0.000 χ^2 /NDF: 7812104995.9/35

In: 146.498 $\pm$ 0.000 χ^2 /NDF: 4539714607.6/35

Out: 147.074 $\pm$ 0.000 χ^2 /NDF: 4814427177.5/38

All: 146.791 $\pm$ 0.000 χ^2 /NDF: 9376321819.6

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF:1447580.4/19

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222241.9/18

Left In: 0.424 $\pm$ 0.000 χ^2 /NDF:1200911.7/18

Left: 0.420 $\pm$ 0.000 χ^2 /NDF: 2654230.0/38

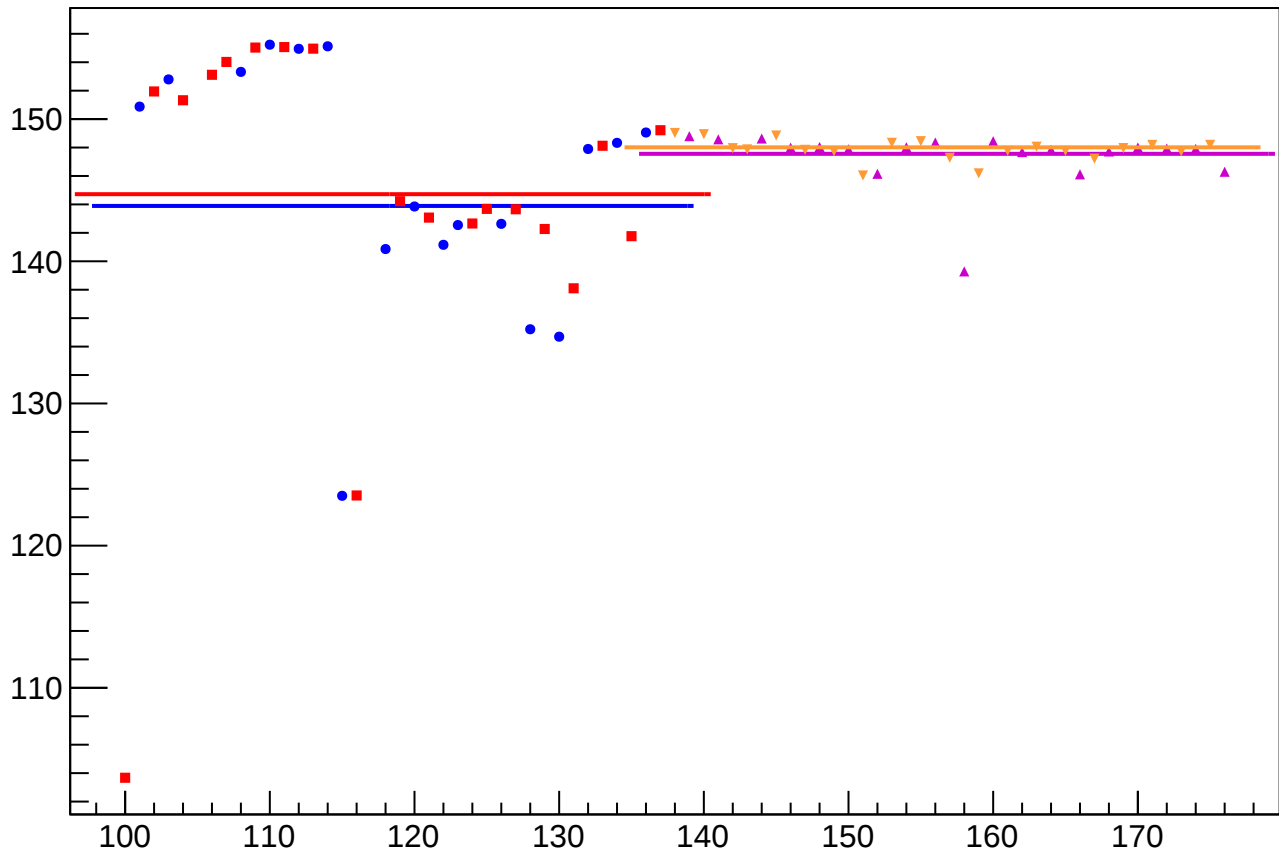
Right: 0.321 $\pm$ 0.000 χ^2 /NDF: 2492180.0/35

In: 0.380 $\pm$ 0.000 χ^2 /NDF:3190751.5/35

Out: 0.378 $\pm$ 0.000 χ^2 /NDF:3230274.1/38

All: 0.379 $\pm$ 0.000 χ^2 /NDF: 6421553.4/74

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 ± 0.000 $\chi^2/\text{NDF}: 3752655677.2/16$

Left Out: 148.015 ± 0.000 $\chi^2/\text{NDF}: 51266878.0/19$

Right Out: 144.719 ± 0.000 $\chi^2/\text{NDF}: 4473225884.5/18$

Left In: 147.559 ± 0.000 $\chi^2/\text{NDF}: 329378539.7/18$

Left: 147.792 ± 0.000 $\chi^2/\text{NDF}: 388902178.8/38$

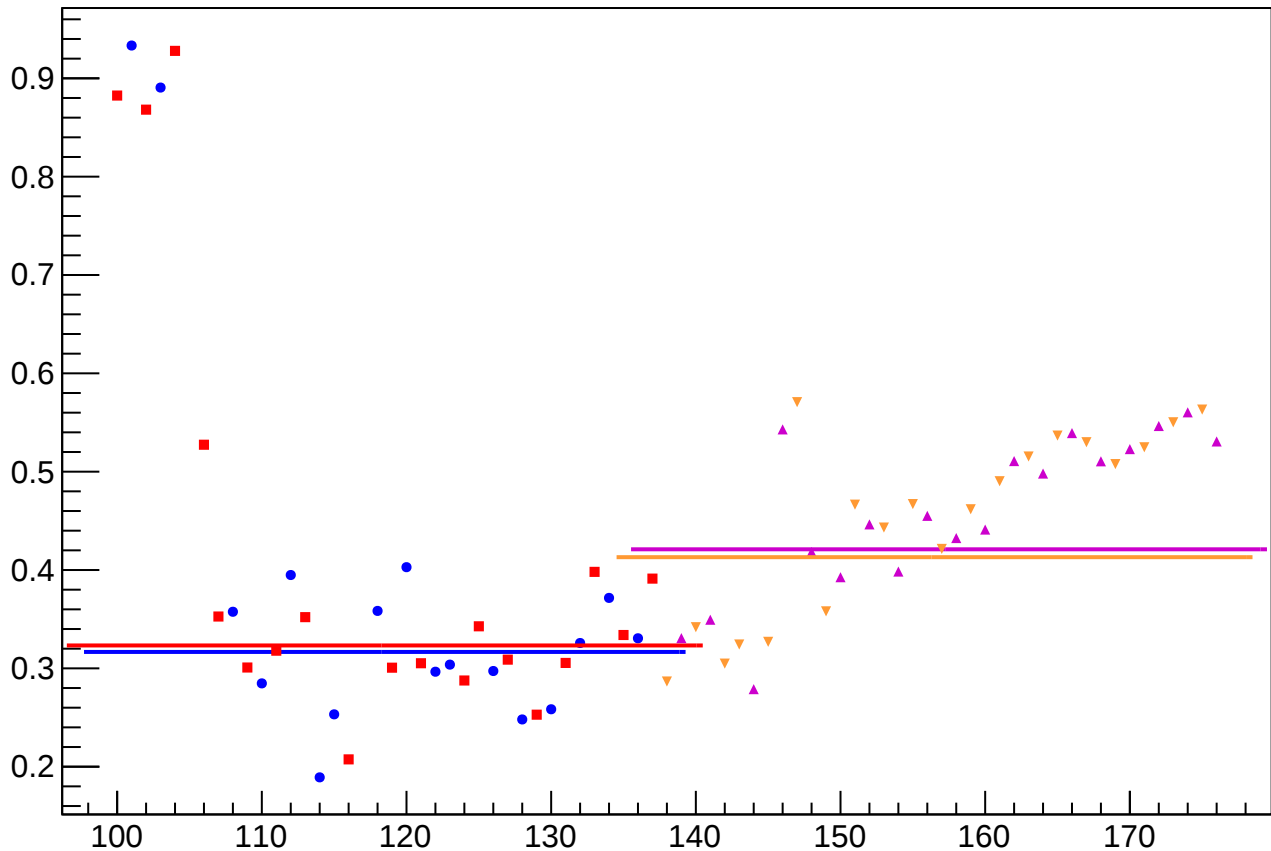
Right: 144.309 ± 0.000 $\chi^2/\text{NDF}: 8244852440.8/35$

In: 146.033 ± 0.000 $\chi^2/\text{NDF}: 4515433845.5/35$

Out: 146.669 ± 0.000 $\chi^2/\text{NDF}: 4884700276.5/38$

All: 146.356 ± 0.000 $\chi^2/\text{NDF}: 9427496421.3$

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.413 $\pm$ 0.000 χ^2/NDF :1424434.5/19

Right Out: 0.323 $\pm$ 0.000 χ^2/NDF : 1222784.7/18

Left In: 0.421 $\pm$ 0.000 χ^2/NDF :1186178.0/18

Left: 0.417 $\pm$ 0.000 χ^2/NDF : 2615700.7/38

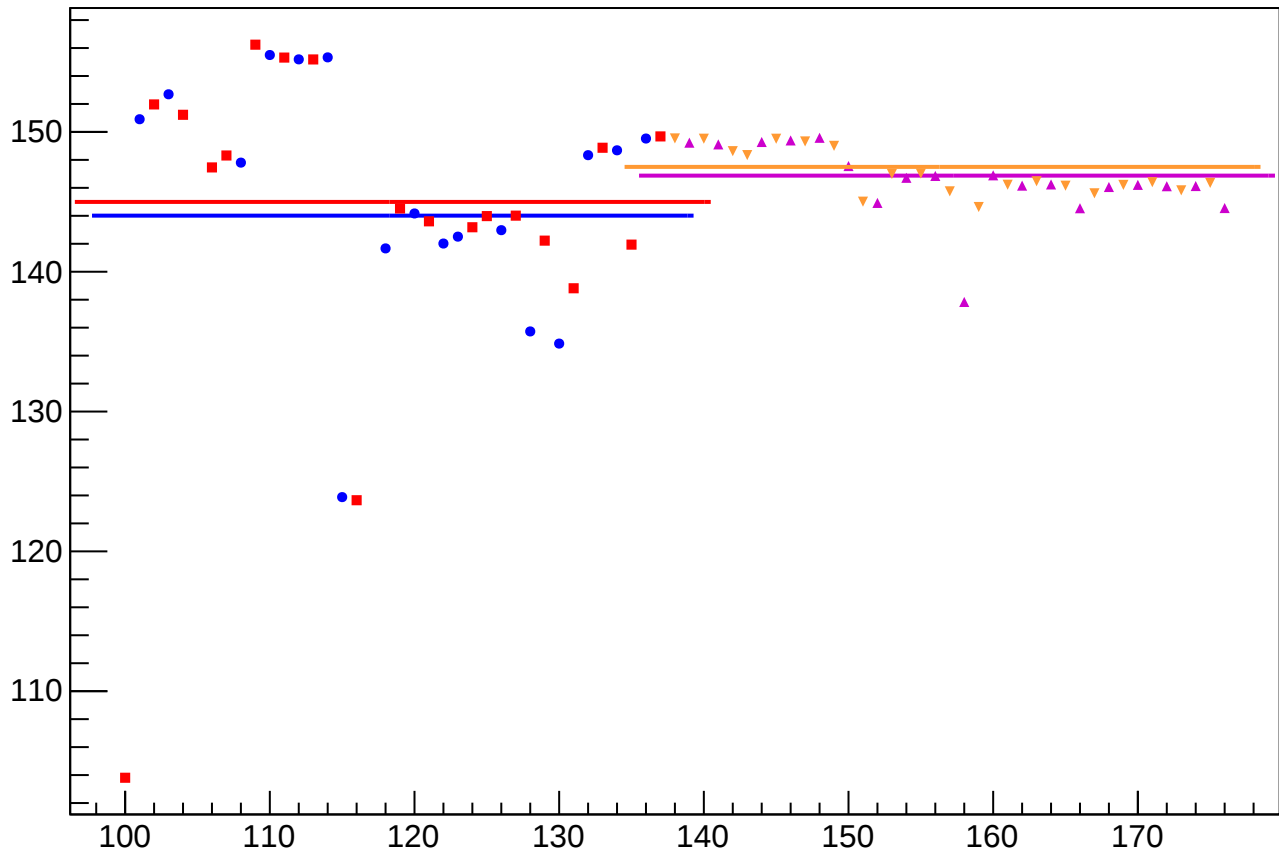
Right: 0.320 $\pm$ 0.000 χ^2/NDF : 2505560.8/35

In: 0.378 $\pm$ 0.000 χ^2/NDF :3169293.6/35

Out: 0.376 $\pm$ 0.000 χ^2/NDF :3181589.4/38

All: 0.377 $\pm$ 0.000 χ^2/NDF : 6351078.9/74

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 ± 0.000 $\chi^2/\text{NDF}: 3241696920.3/16$

Left Out: 147.499 ± 0.000 $\chi^2/\text{NDF}: 211360068.3/19$

Right Out: 144.994 ± 0.000 $\chi^2/\text{NDF}: 3852381452.1/18$

Left In: 146.874 ± 0.000 $\chi^2/\text{NDF}: 524222783.6/18$

Left: 147.193 ± 0.000 $\chi^2/\text{NDF}: 750152104.3/38$

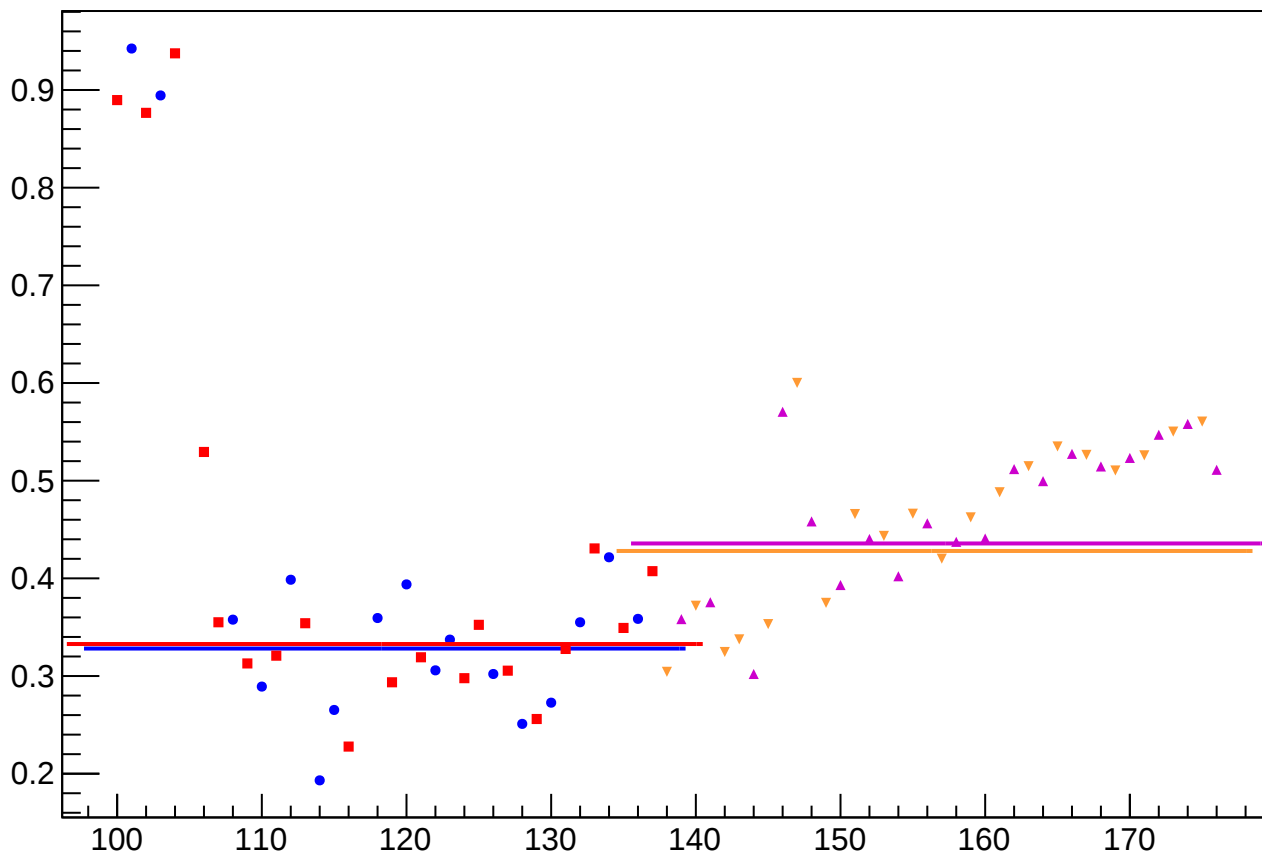
Right: 144.510 ± 0.000 $\chi^2/\text{NDF}: 7119138597.7/35$

In: 145.693 ± 0.000 $\chi^2/\text{NDF}: 4012827323.3/35$

Out: 146.474 ± 0.000 $\chi^2/\text{NDF}: 4259630508.5/38$

All: 146.091 ± 0.000 $\chi^2/\text{NDF}: 8311049789.6$

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.428+/-0.000 χ^2/NDF :1111482.3/19

Right Out: 0.333+/-0.000 χ^2/NDF : 1185129.6/18

Left In: 0.436+/-0.000 χ^2/NDF :886552.4/18

Left: 0.432+/-0.000 χ^2/NDF : 2002444.0/38

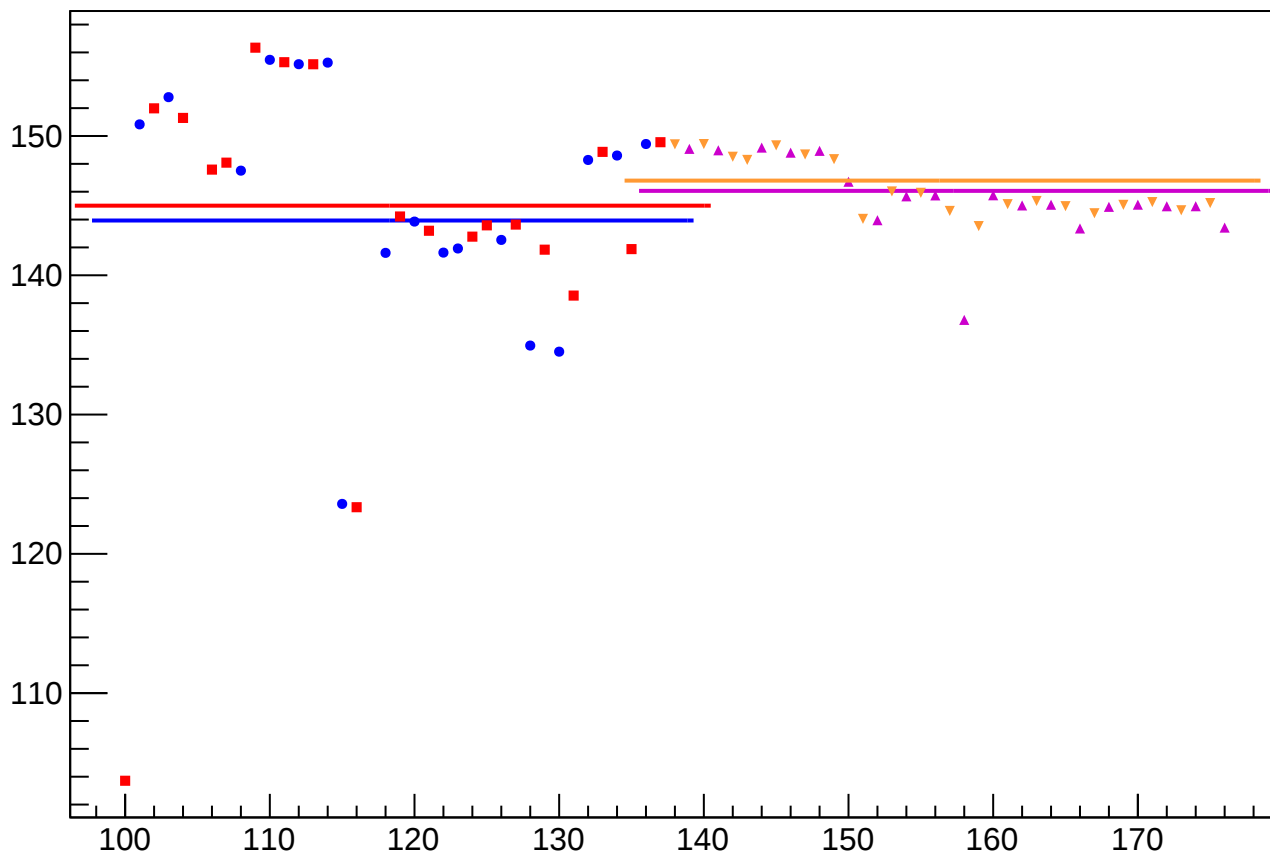
Right: 0.330+/-0.000 χ^2/NDF : 2452140.8/35

In: 0.391+/-0.000 χ^2/NDF :2850452.0/35

Out: 0.389+/-0.000 χ^2/NDF :2863087.9/38

All: 0.390+/-0.000 χ^2/NDF : 5714195.0/74

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 +/- 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 146.797 +/- 0.000 χ^2/NDF : 330198201.5/19

Right Out: 144.998 +/- 0.000 χ^2/NDF : 3932958476.0/18

Left In: 146.060 +/- 0.000 χ^2/NDF : 651961708.0/18

Left: 146.437 +/- 0.000 χ^2/NDF : 1002327708.4/38

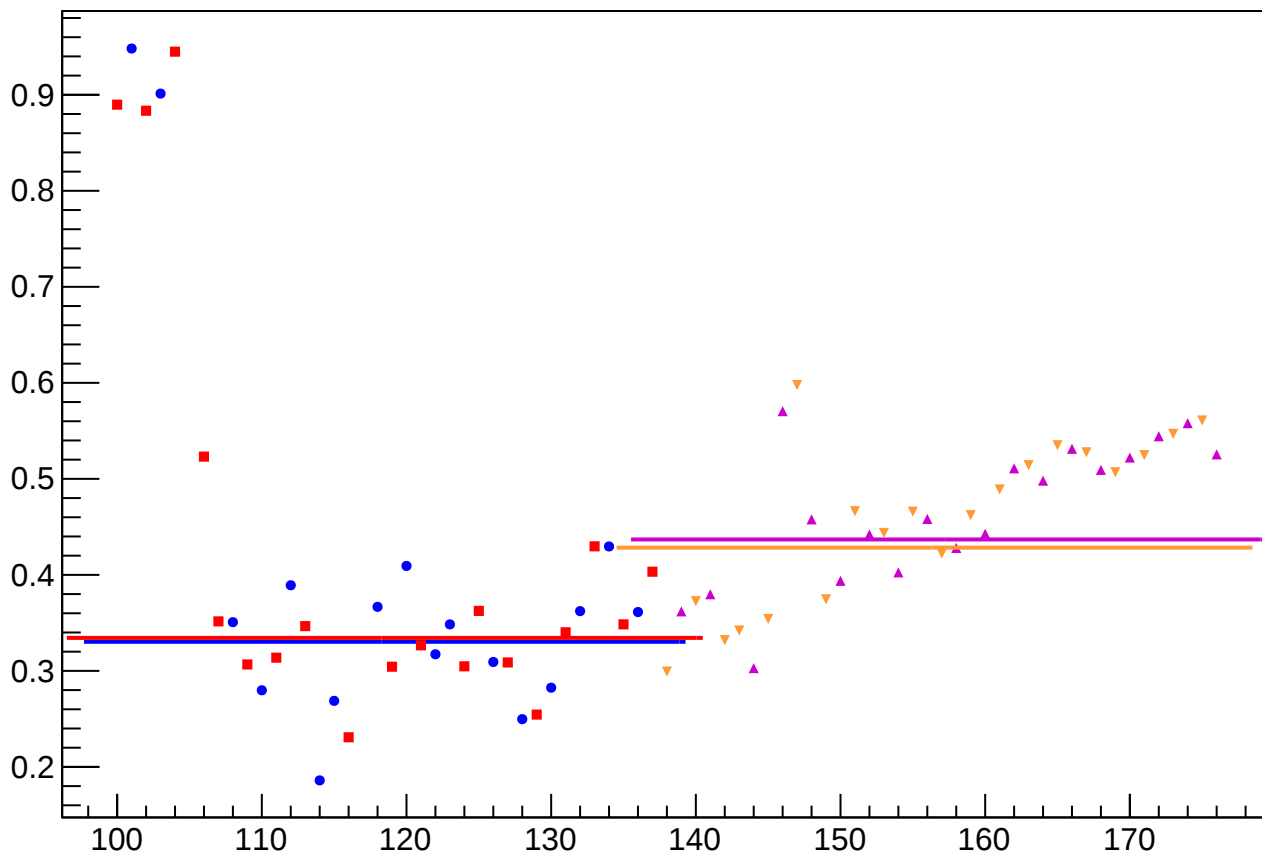
Right: 144.474 +/- 0.000 χ^2/NDF : 7345100324.4/35

In: 145.188 +/- 0.000 χ^2/NDF : 4169790178.9/35

Out: 146.065 +/- 0.000 χ^2/NDF : 4363384195.4/38

All: 145.636 +/- 0.000 χ^2/NDF : 8581460659.2

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.428+/-0.000 χ^2/NDF :1100499.1/19

Right Out: 0.334+/-0.000 χ^2/NDF : 1174012.0/18

Left In: 0.437+/-0.000 χ^2/NDF :868402.6/18

Left: 0.433+/-0.000 χ^2/NDF : 1974260.4/38

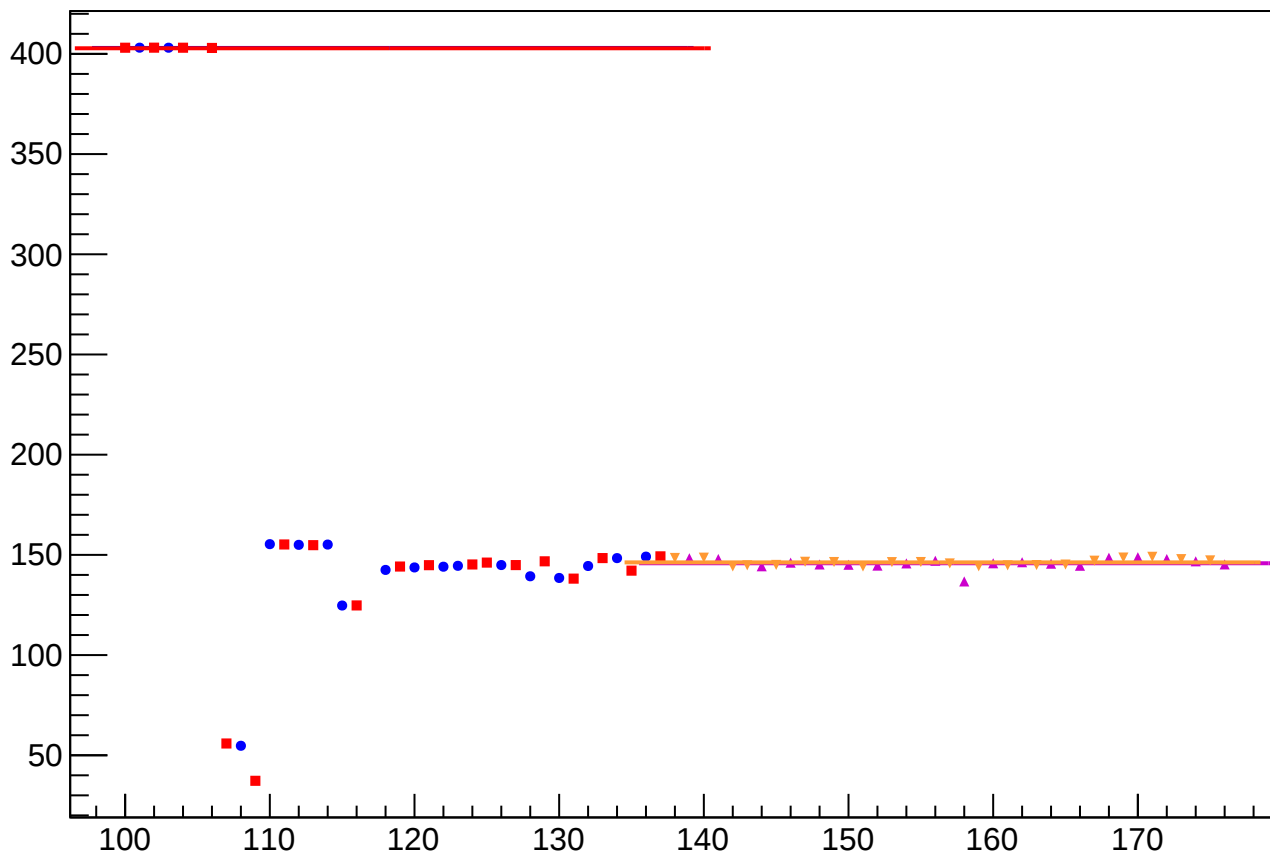
Right: 0.332+/-0.000 χ^2/NDF : 2458819.5/35

In: 0.393+/-0.000 χ^2/NDF :2828513.6/35

Out: 0.390+/-0.000 χ^2/NDF :2821619.3/38

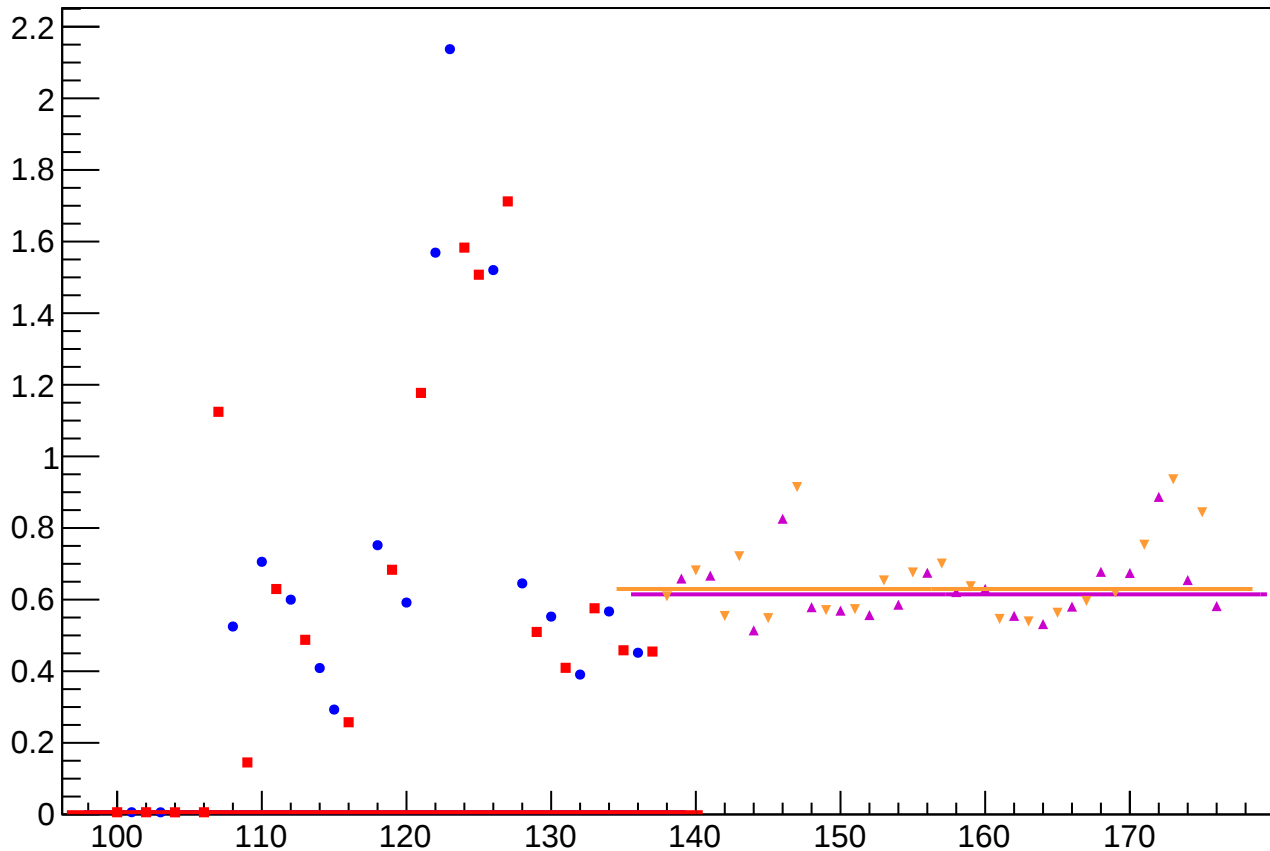
All: 0.392+/-0.000 χ^2/NDF : 5651313.8/74

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000	χ^2/NDF : 1094364588383.4/16	Left: 146.029+/-0.000	χ^2/NDF : 248279968.9/38
Left Out: 146.250+/-0.000	χ^2/NDF : 74307072.3/19	Right: 402.873+/-0.000	χ^2/NDF : 4196818264482.1
Right Out: 402.799+/-0.000	χ^2/NDF : 3102036567767.5/18	In: 402.712+/-0.000	χ^2/NDF : 3065474594238.3/39
Left In: 145.820+/-0.000	χ^2/NDF : 171278179.3/18	Out: 402.593+/-0.000	χ^2/NDF : 4966139869680.6/39
		All: 402.648+/-0.000	χ^2/NDF : 803184808867.5/18

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006 ± 0.000 $\chi^2/\text{NDF}: 9079322.7/16$

Left Out: 0.630 ± 0.000 $\chi^2/\text{NDF}: 548588.8/19$

Right Out: 0.006 ± 0.000 $\chi^2/\text{NDF}: 9193355.5/18$

Left In: 0.615 ± 0.000 $\chi^2/\text{NDF}: 355467.3/18$

Left: 0.622 ± 0.000 $\chi^2/\text{NDF}: 910575.1/38$

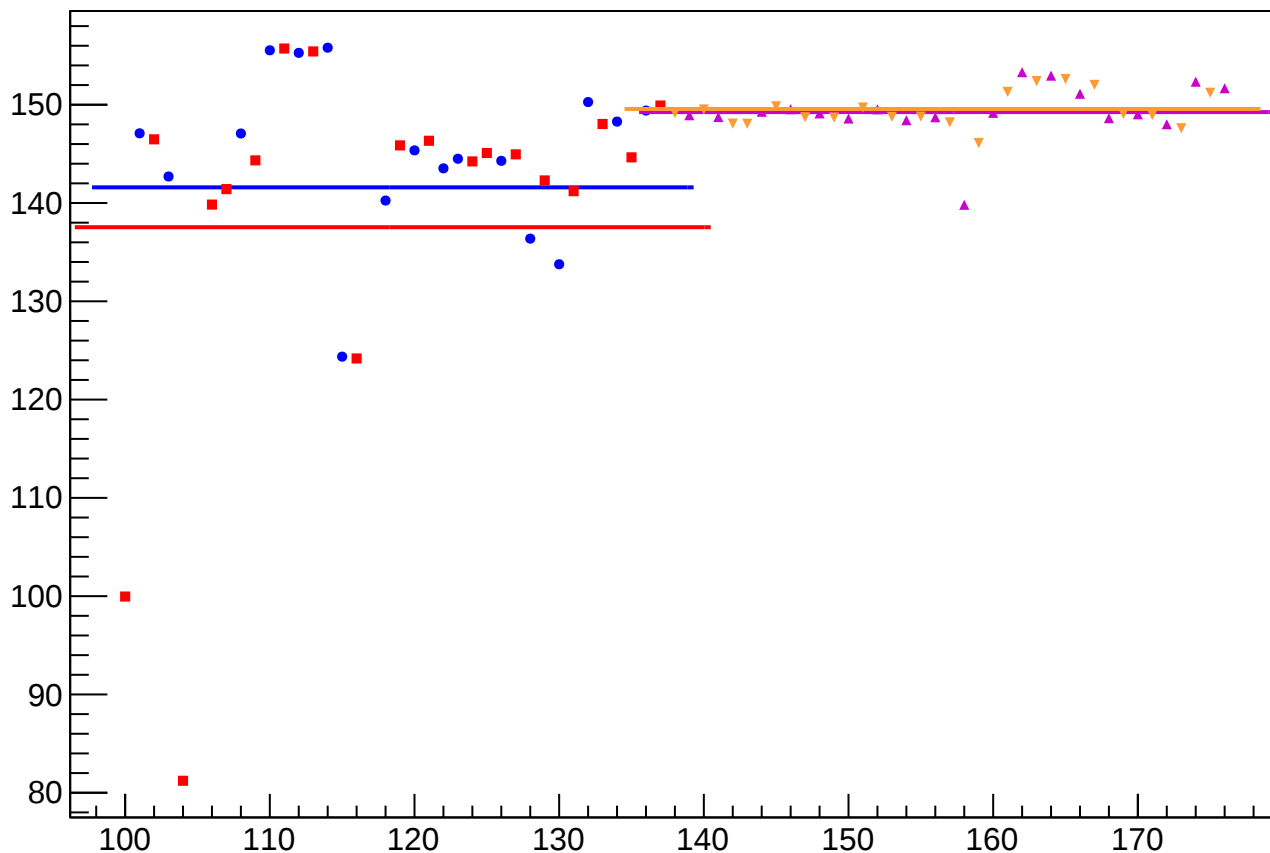
Right: 0.006 ± 0.000 $\chi^2/\text{NDF}: 18272681.8/35$

In: 0.007 ± 0.000 $\chi^2/\text{NDF}: 31500561.0/35$

Out: 0.007 ± 0.000 $\chi^2/\text{NDF}: 31752281.3/38$

All: 0.007 ± 0.000 $\chi^2/\text{NDF}: 63253121.6/74$

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593+/-0.000

χ^2/NDF : 980101868.2/16

Left Out: 149.567+/-0.000

χ^2/NDF : 127028623.3/19

Right Out: 137.539+/-0.000

χ^2/NDF : 1316096307.7/18

Left In: 149.253+/-0.000

χ^2/NDF : 404375830.0/18

Left: 149.409+/-0.000

χ^2/NDF : 533485433.3/38

Right: 139.514+/-0.000

χ^2/NDF : 2381261600.7/35

In: 147.777+/-0.000

χ^2/NDF : 1862586142.3/35

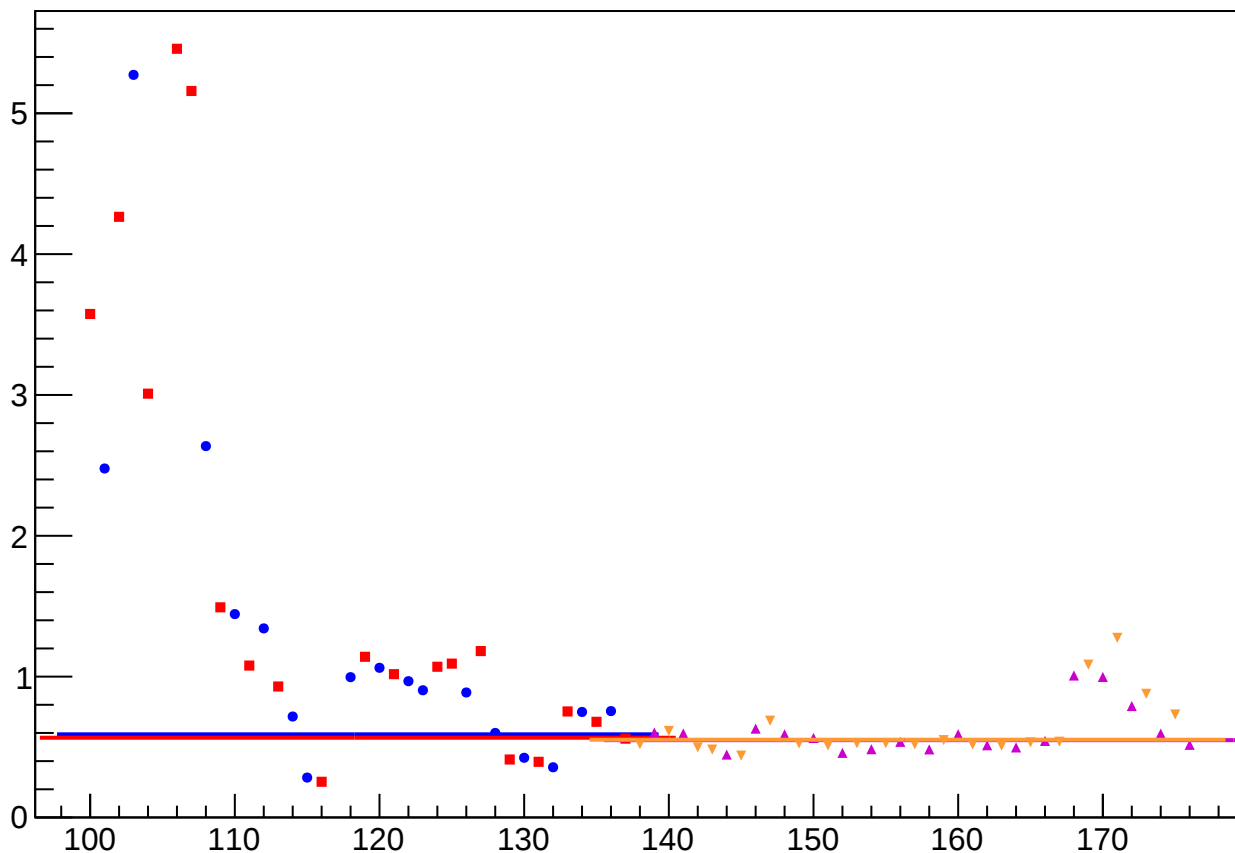
Out: 147.133+/-0.000

χ^2/NDF : 2668969490.8/38

All: 147.455+/-0.000

χ^2/NDF : 4542399060.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.552 $\pm$ 0.000 χ^2 /NDF:1310361.2/19

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

Left In: 0.549 $\pm$ 0.000 χ^2 /NDF:973867.2/18

Left: 0.551 $\pm$ 0.000 χ^2 /NDF: 2284637.7/38

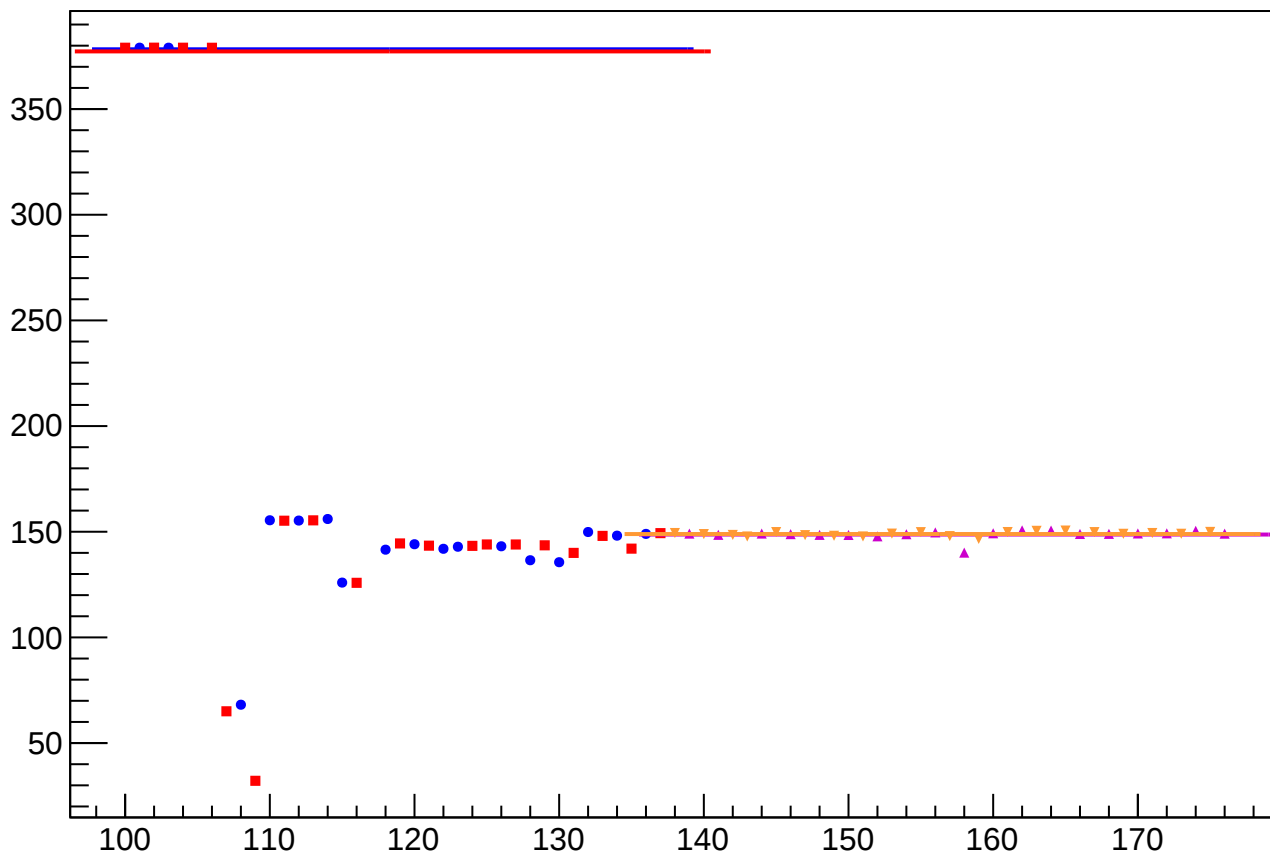
Right: 0.578 $\pm$ 0.000 χ^2 /NDF: 8181648.0/35

In: 0.557 $\pm$ 0.000 χ^2 /NDF:4493647.5/35

Out: 0.555 $\pm$ 0.000 χ^2 /NDF:5997270.5/38

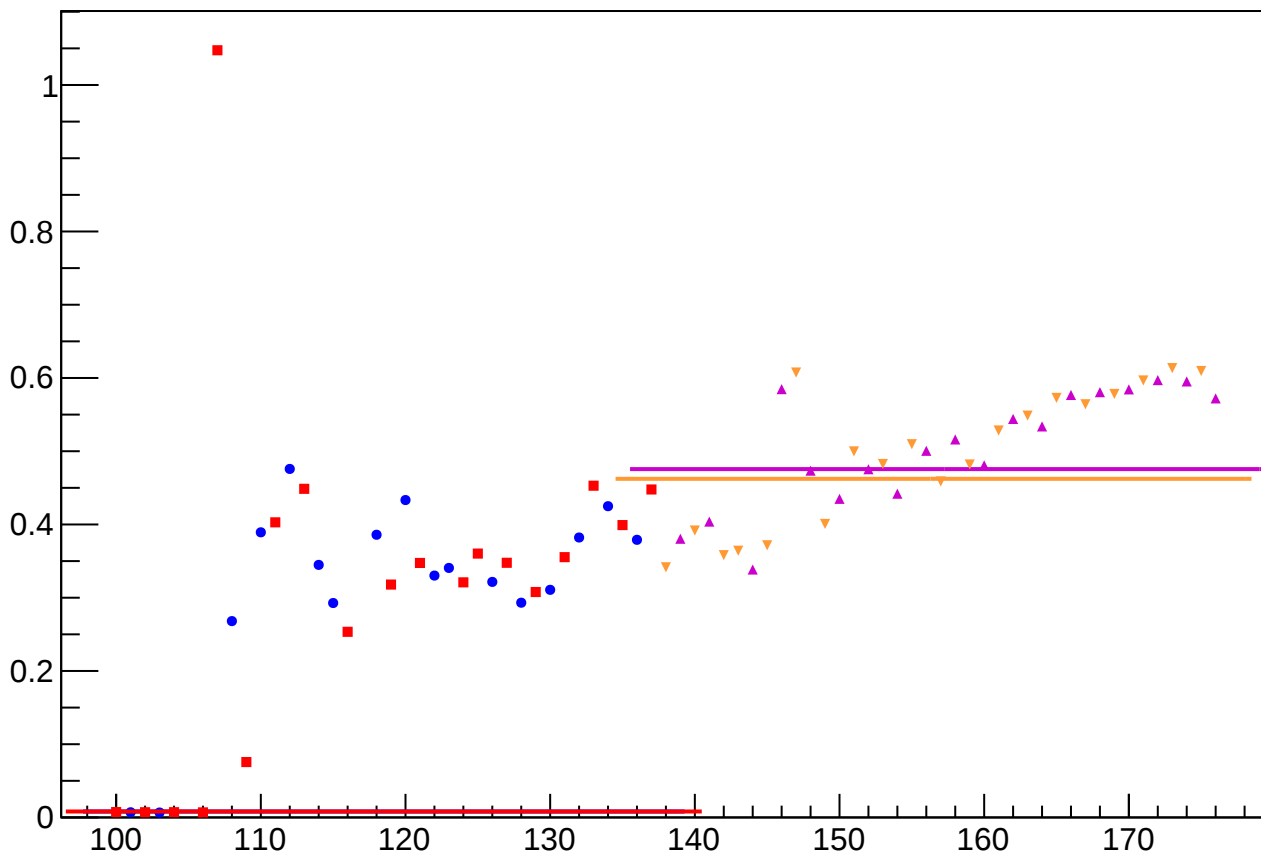
All: 0.556 $\pm$ 0.000 χ^2 /NDF: 10491129.7/74

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000	χ^2/NDF : 2508313421453.8/16	Left: 148.794+/-0.000	χ^2/NDF : 308146987.7/38
Left Out: 148.905+/-0.000	χ^2/NDF : 62999373.4/19	Right: 377.752+/-0.000	χ^2/NDF : 10801647529340.7
Right Out: 377.287+/-0.000	χ^2/NDF : 8286303106836.4/18	In: 377.224+/-0.000	χ^2/NDF : 5746415845968.0/38
Left In: 148.675+/-0.000	χ^2/NDF : 243469543.1/18	Out: 376.302+/-0.000	χ^2/NDF : 11703134691668.8
		All: 376.733+/-0.000	χ^2/NDF : 174556072460.0

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.462+/-0.000 χ^2/NDF : 1108455.6/19

Right Out: 0.008+/-0.000 χ^2/NDF : 9522827.2/18

Left In: 0.476+/-0.000 χ^2/NDF : 850114.0/18

Left: 0.469+/-0.000 χ^2/NDF : 1969765.2/38

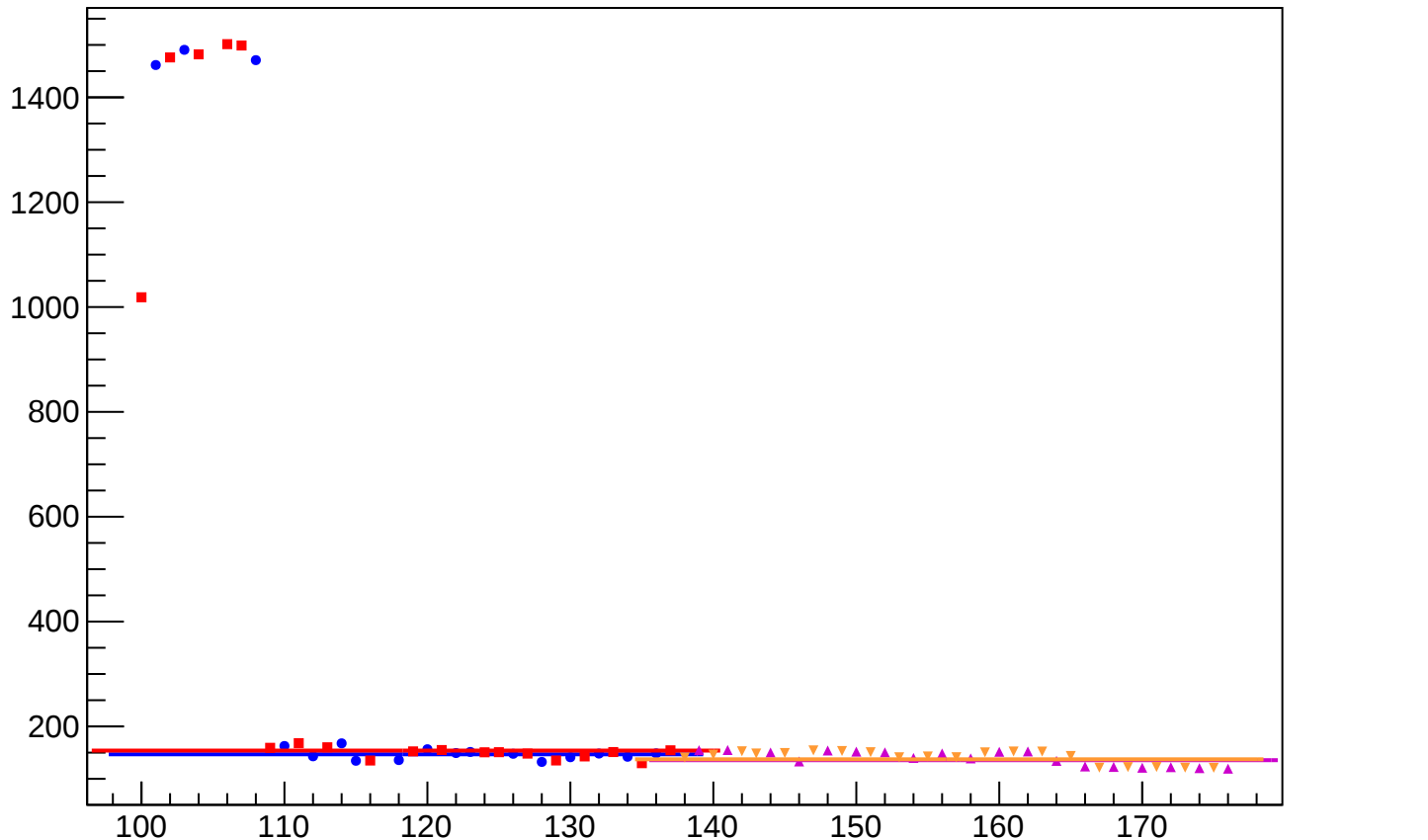
Right: 0.008+/-0.000 χ^2/NDF : 19329555.6/35

In: 0.010+/-0.000 χ^2/NDF : 37500797.6/35

Out: 0.010+/-0.000 χ^2/NDF : 37659122.1/38

All: 0.010+/-0.000 χ^2/NDF : 75160338.2/74

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 137.258+/-0.000 χ^2/NDF : 3277054053.3/19

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

Left In: 135.603+/-0.000 χ^2/NDF : 3623524591.7/18

Left: 136.433+/-0.000 χ^2/NDF : 6926551143.6/38

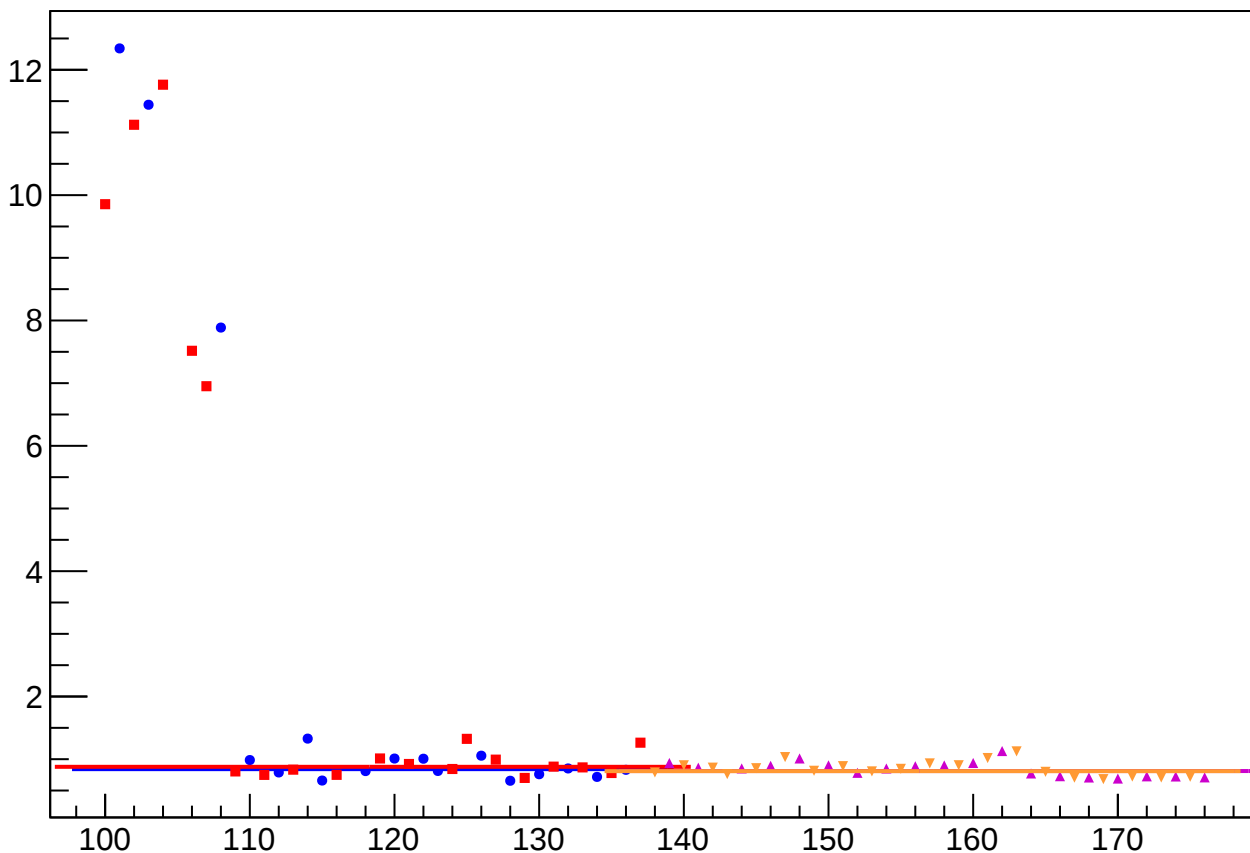
Right: 150.348+/-0.000 χ^2/NDF : 58231390734.2/35

In: 138.068+/-0.000 χ^2/NDF : 28506831631.9/35

Out: 140.878+/-0.000 χ^2/NDF : 38160653375.4/38

All: 139.475+/-0.000 χ^2/NDF : 66763334263.0

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 $\pm$ 0.000 χ^2 /NDF: 2662395.1/16

Left Out: 0.809 $\pm$ 0.000 χ^2 /NDF:461478.7/19

Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 2814626.6/18

Left In: 0.811 $\pm$ 0.000 χ^2 /NDF:433380.5/18

Left: 0.810 $\pm$ 0.000 χ^2 /NDF: 894910.7/38

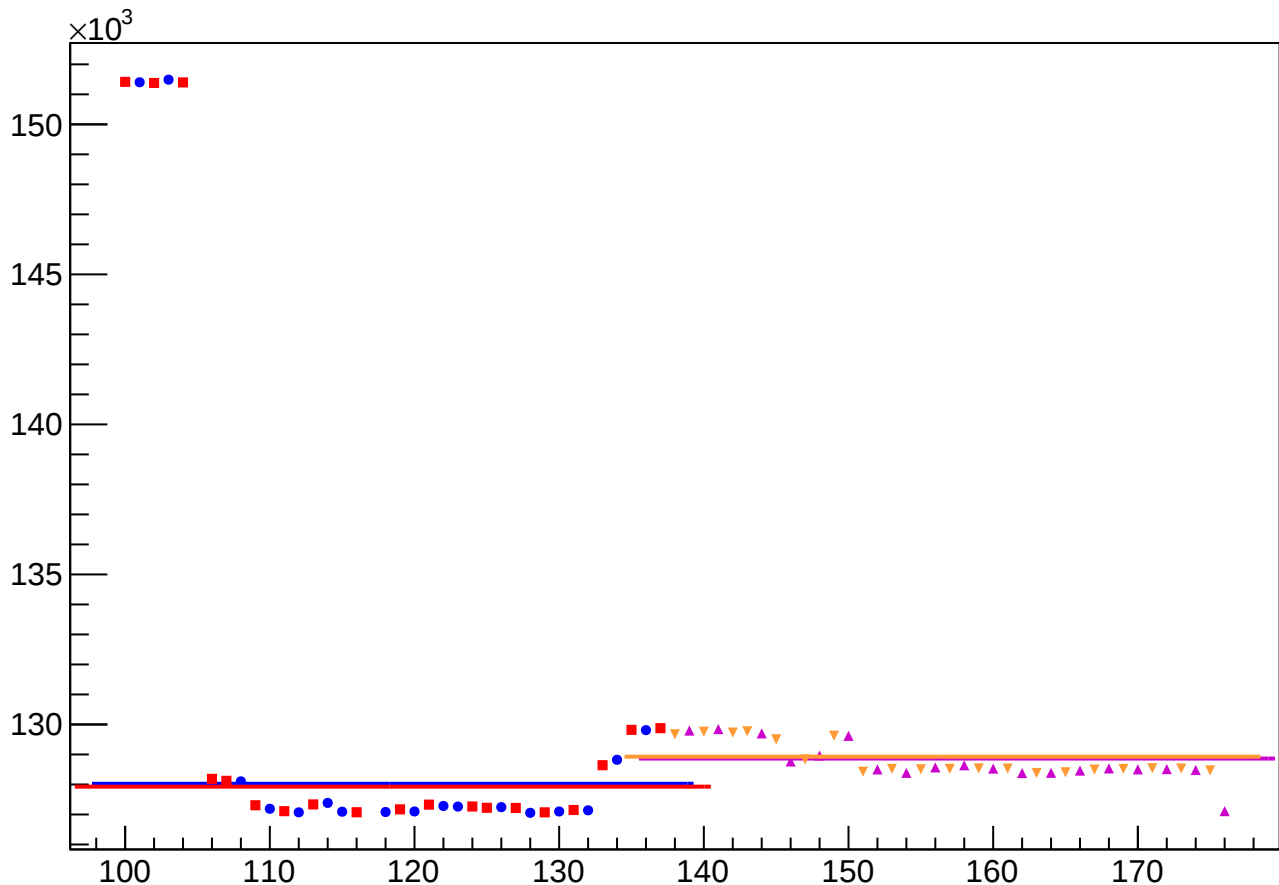
Right: 0.860 $\pm$ 0.000 χ^2 /NDF: 5484331.4/35

In: 0.818 $\pm$ 0.000 χ^2 /NDF:3103398.2/35

Out: 0.824 $\pm$ 0.000 χ^2 /NDF:3315570.1/38

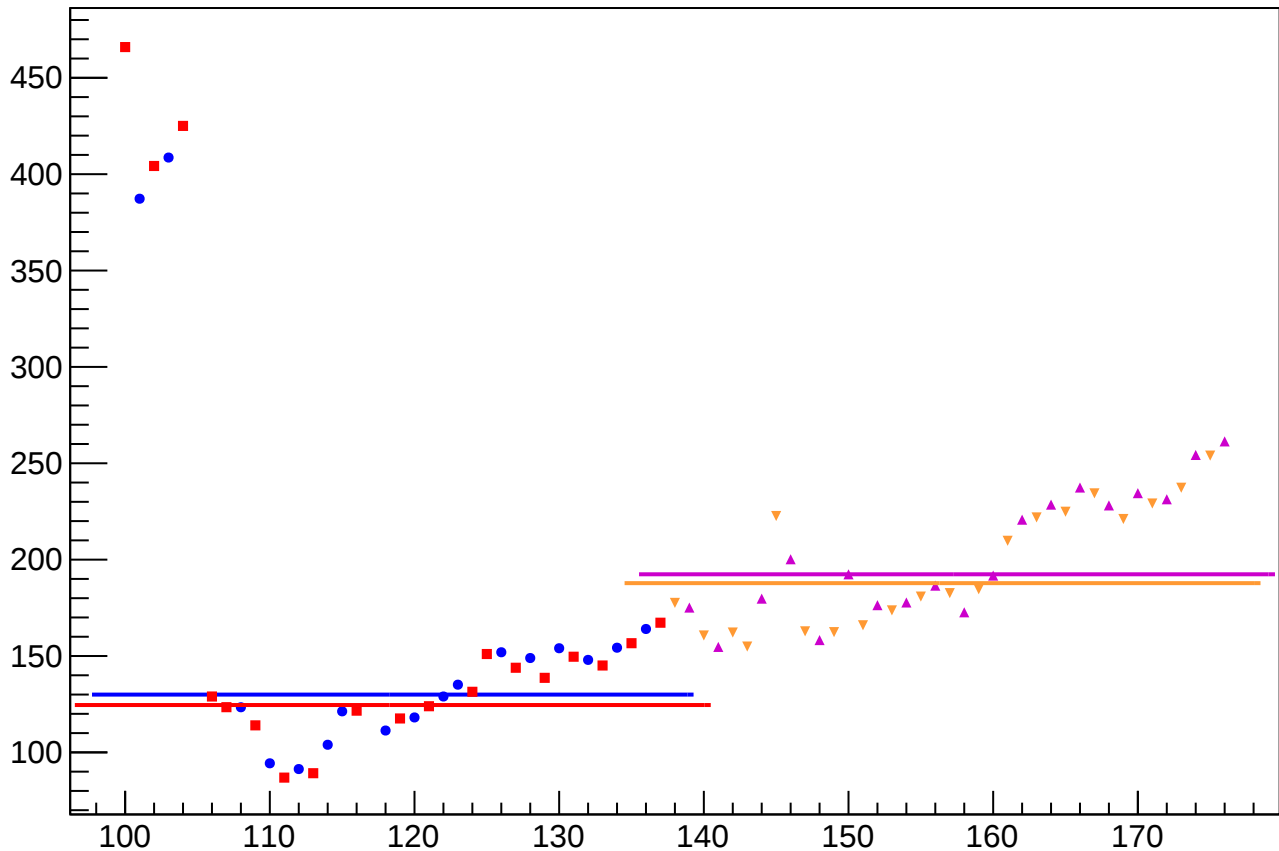
All: 0.821 $\pm$ 0.000 χ^2 /NDF: 6420062.6/74

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128926.862 $\pm$ 0.049 χ^2 /NDF: 129553984.7/19
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128864.002 $\pm$ 0.051 χ^2 /NDF: 149179226.7/18
 Left: 128896.493 $\pm$ 0.035 χ^2 /NDF: 279522357.0/38
 Right: 127971.691 $\pm$ 0.037 χ^2 /NDF: 8085261759.1/16
 In: 128472.945 $\pm$ 0.037 χ^2 /NDF: 4592710140.7/35
 Out: 128439.097 $\pm$ 0.035 χ^2 /NDF: 4098108697.6/35
 All: 128455.082 $\pm$ 0.026 χ^2 /NDF: 869125572.0/78

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 187.809 $\pm$ 0.035 χ^2 /NDF: 695147.5/19

Right Out: 124.566 $\pm$ 0.036 χ^2 /NDF: 1531273.9/18

Left In: 192.401 $\pm$ 0.036 χ^2 /NDF: 669724.3/18

Left: 190.027 $\pm$ 0.025 χ^2 /NDF: 1373293.0/38

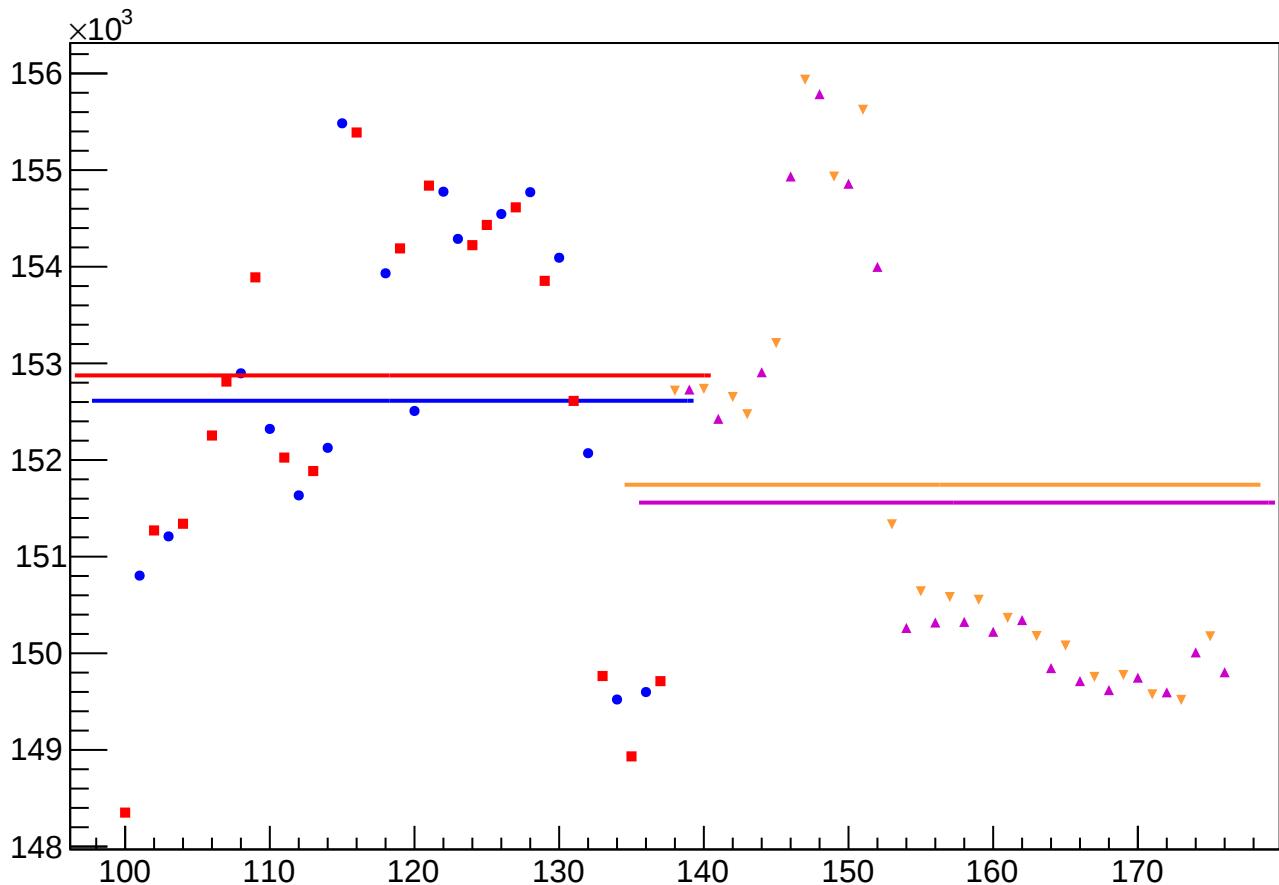
Right: 127.058 $\pm$ 0.026 χ^2 /NDF: 3027426.7/35

In: 163.357 $\pm$ 0.026 χ^2 /NDF: 3556173.0/35

Out: 156.943 $\pm$ 0.025 χ^2 /NDF: 3840315.1/38

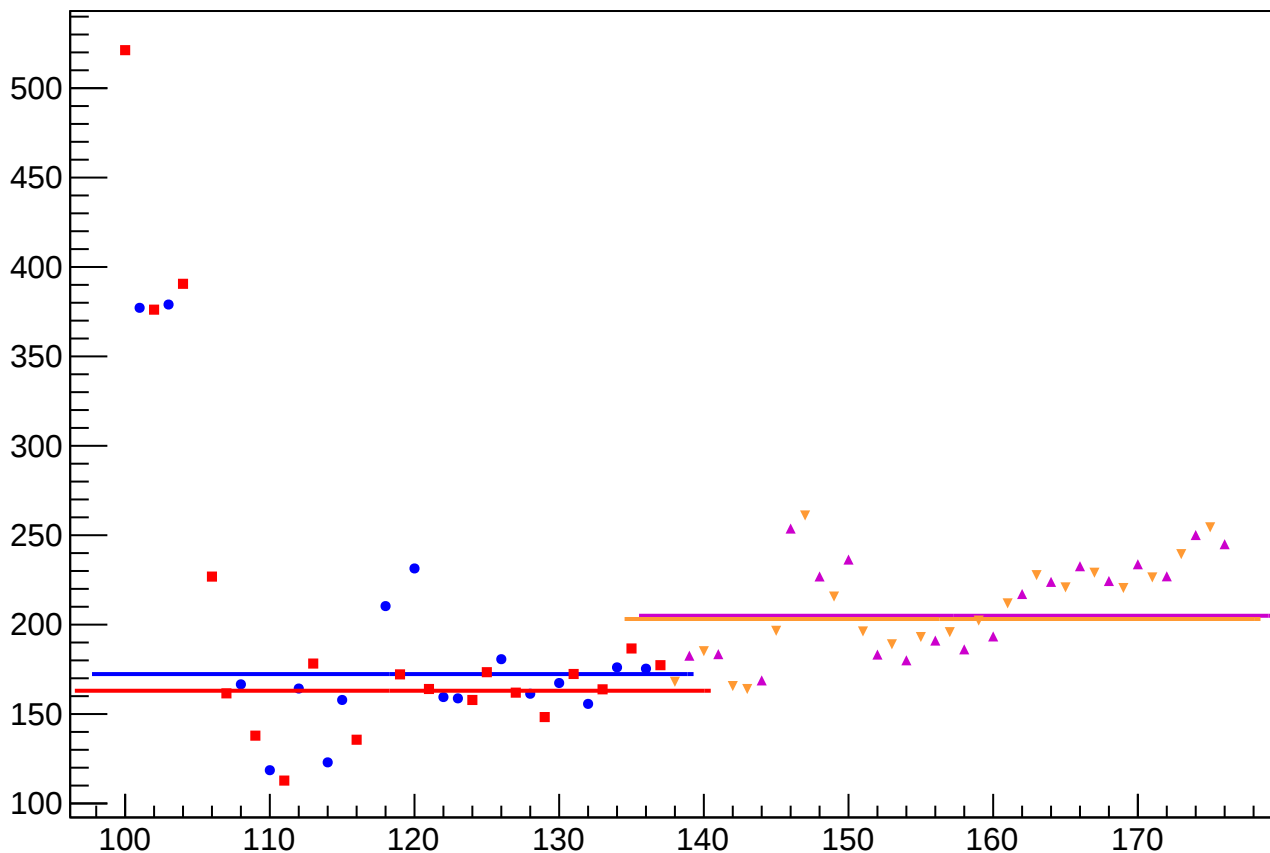
All: 159.972 $\pm$ 0.018 χ^2 /NDF: 7427871.5/74

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072	χ^2 /NDF: 623356098.4/16	Left: 151653.420 $\pm$ 0.038	χ^2 /NDF: 2574972914.8/3
Left Out: 151744.140 $\pm$ 0.053	χ^2 /NDF: 1274037373.8/19	Right: 152755.689 $\pm$ 0.049	χ^2 /NDF: 1346872378.3/3
Right Out: 152875.313 $\pm$ 0.066	χ^2 /NDF: 716358700.9/18	In: 151937.937 $\pm$ 0.043	χ^2 /NDF: 2054595264.3/3
Left In: 151559.309 $\pm$ 0.054	χ^2 /NDF: 1294995985.8/18	Out: 152187.355 $\pm$ 0.041	χ^2 /NDF: 2167986610.6/3
		All: 152068.179 $\pm$ 0.030	χ^2 /NDF: 423989434.0/3

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 203.152+/-0.038 χ^2/NDF : 469471.4/19

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

Left In: 204.962+/-0.038 χ^2/NDF : 479004.3/18

Left: 204.041+/-0.027 χ^2/NDF : 949614.6/38

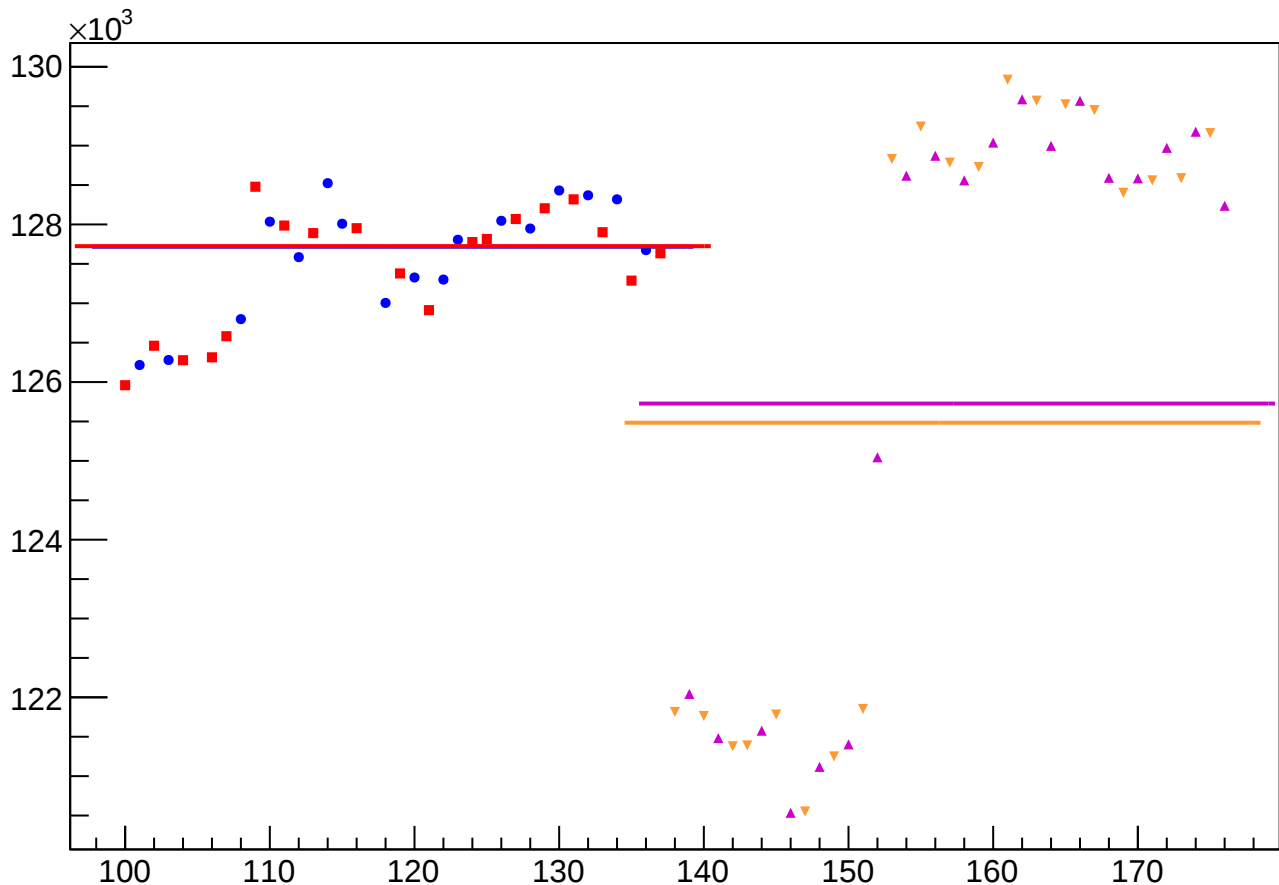
Right: 167.282+/-0.035 χ^2/NDF : 1972741.3/35

In: 193.245+/-0.031 χ^2/NDF : 1661861.4/35

Out: 187.431+/-0.029 χ^2/NDF : 1949073.0/38

All: 190.209+/-0.021 χ^2/NDF : 3629747.0/74

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058

χ^2/NDF : 95177660.2/16

Left Out: 125484.212 $\pm$ 0.047

χ^2/NDF : 6265227153.1/19

Right Out: 127724.519 $\pm$ 0.055

χ^2/NDF : 112550604.4/18

Left In: 125727.361 $\pm$ 0.047

χ^2/NDF : 5614872439.8/18

Left: 125606.732 $\pm$ 0.033

χ^2/NDF : 11893307389.4

Right: 127721.424 $\pm$ 0.040

χ^2/NDF : 207735167.4/3

In: 126514.213 $\pm$ 0.037

χ^2/NDF : 6415344835.1/3

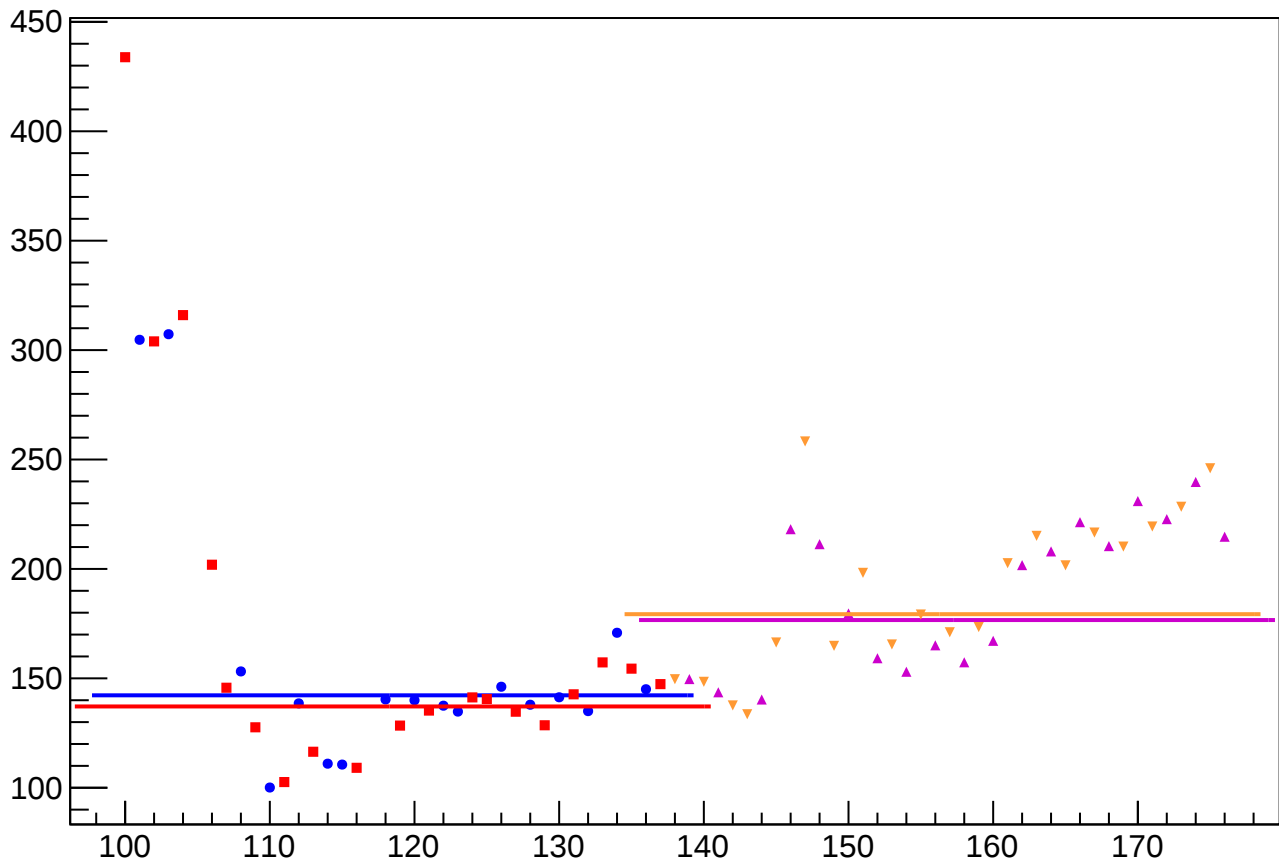
Out: 126450.726 $\pm$ 0.036

χ^2/NDF : 7337762376.0/3

All: 126481.739 $\pm$ 0.026

χ^2/NDF : 137546424

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 179.319 $\pm$ 0.034 χ^2 /NDF: 942661.3/19

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

Left In: 176.638 $\pm$ 0.033 χ^2 /NDF: 883076.8/18

Left: 177.968 $\pm$ 0.024 χ^2 /NDF: 1828950.1/38

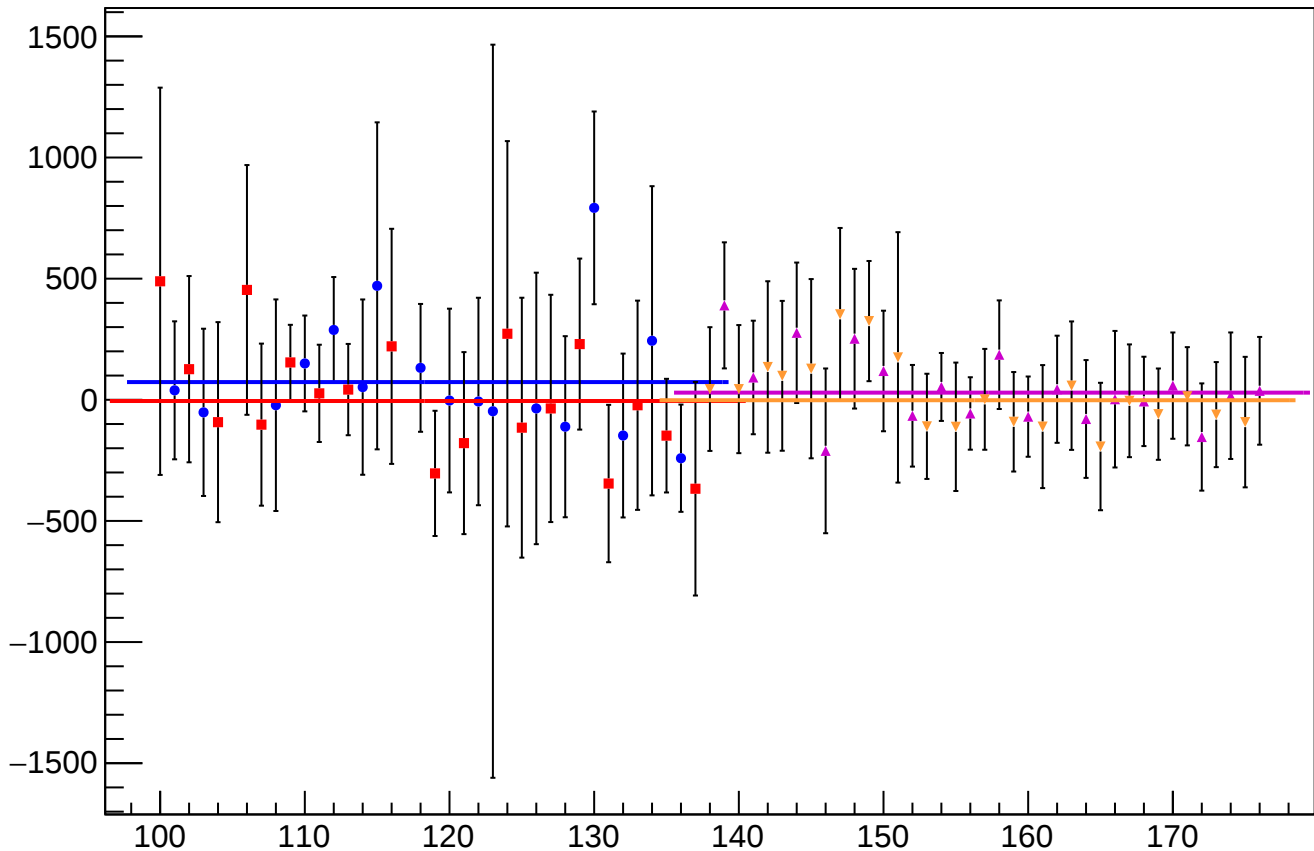
Right: 139.526 $\pm$ 0.028 χ^2 /NDF: 1802277.5/35

In: 163.041 $\pm$ 0.026 χ^2 /NDF: 2140734.9/35

Out: 161.127 $\pm$ 0.025 χ^2 /NDF: 2580614.6/38

All: 162.062 $\pm$ 0.018 χ^2 /NDF: 4724139.1/74

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: -1.827+/-56.282 χ^2/NDF : 4.9/19

Right Out: -5.021+/-70.098 χ^2/NDF : 7.1/18

Left In: 29.519+/-49.278 χ^2/NDF : 6.3/18

Left: 15.917+/-37.075 χ^2/NDF : 11.4/38

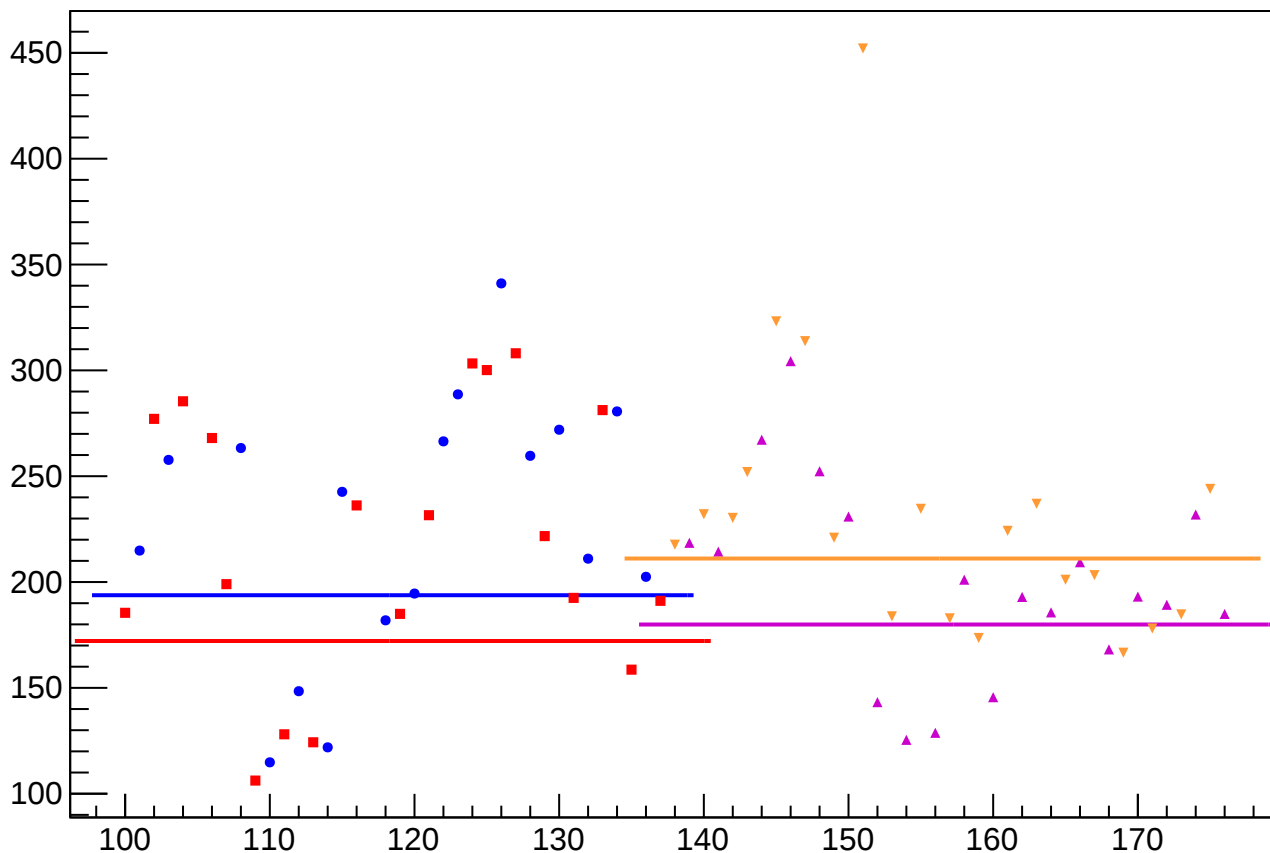
Right: 29.103+/-52.608 χ^2/NDF : 15.5/35

In: 41.595+/-41.899 χ^2/NDF : 14.4/35

Out: -3.079+/-43.887 χ^2/NDF : 12.0/38

All: 20.293+/-30.306 χ^2/NDF : 27.0/74

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 211.109+/-0.040 χ^2/NDF :1246693.7/19

Right Out: 172.142+/-0.050 χ^2/NDF : 1580035.1/18

Left In: 179.934+/-0.035 χ^2/NDF :1576592.6/18

Left: 193.462+/-0.026 χ^2/NDF : 3170633.4/38

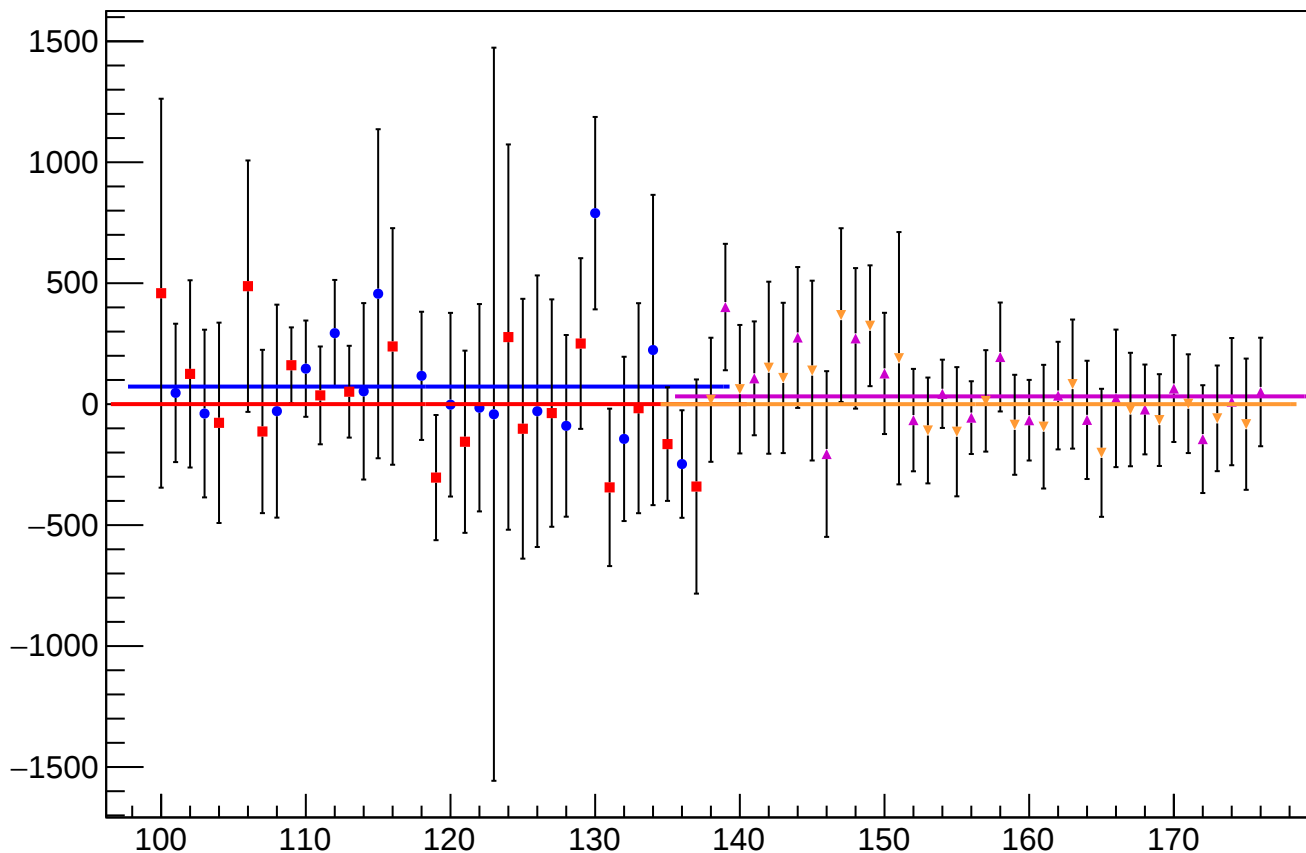
Right: 181.589+/-0.037 χ^2/NDF : 2680292.0/35

In: 183.768+/-0.030 χ^2/NDF :2637371.9/35

Out: 195.835+/-0.031 χ^2/NDF :3202507.1/38

All: 189.522+/-0.021 χ^2/NDF : 5918983.5/74

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: -0.016+/-56.655 χ^2/NDF : 5.1/19

Right Out: 0.181+/-70.467 χ^2/NDF : 7.3/18

Left In: 32.166+/-49.595 χ^2/NDF : 6.4/18

Left: 18.204+/-37.317 χ^2/NDF : 11.7/38

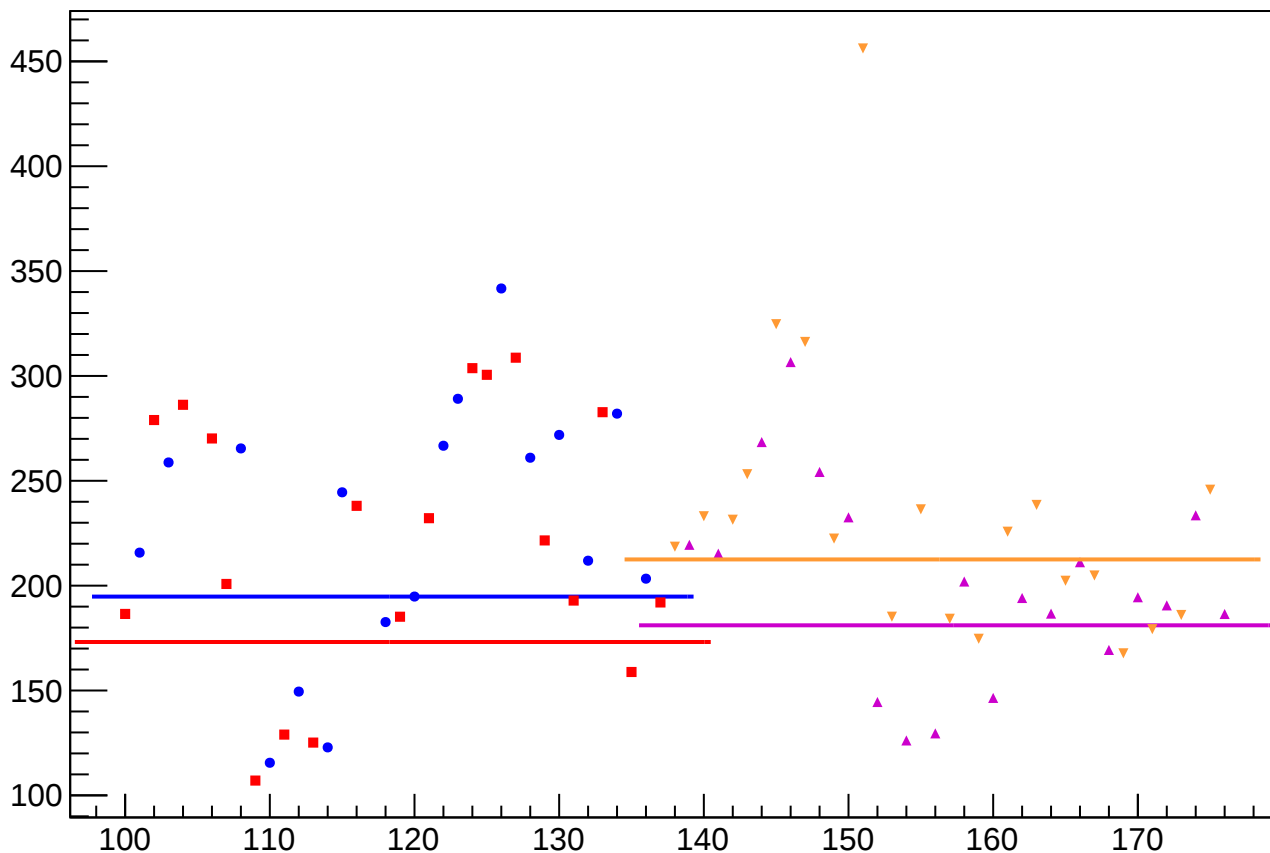
Right: 31.857+/-52.876 χ^2/NDF : 15.5/35

In: 43.414+/-42.151 χ^2/NDF : 14.4/35

Out: 0.061+/-44.154 χ^2/NDF : 12.4/38

All: 22.743+/-30.489 χ^2/NDF : 27.2/74

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 ± 0.057 $\chi^2/\text{NDF}: 1008292.8/16$

Left Out: 212.502 ± 0.040 $\chi^2/\text{NDF}: 1245597.8/19$

Right Out: 173.131 ± 0.050 $\chi^2/\text{NDF}: 1567556.0/18$

Left In: 181.087 ± 0.035 $\chi^2/\text{NDF}: 1576023.0/18$

Left: 194.716 ± 0.026 $\chi^2/\text{NDF}: 3169778.5/38$

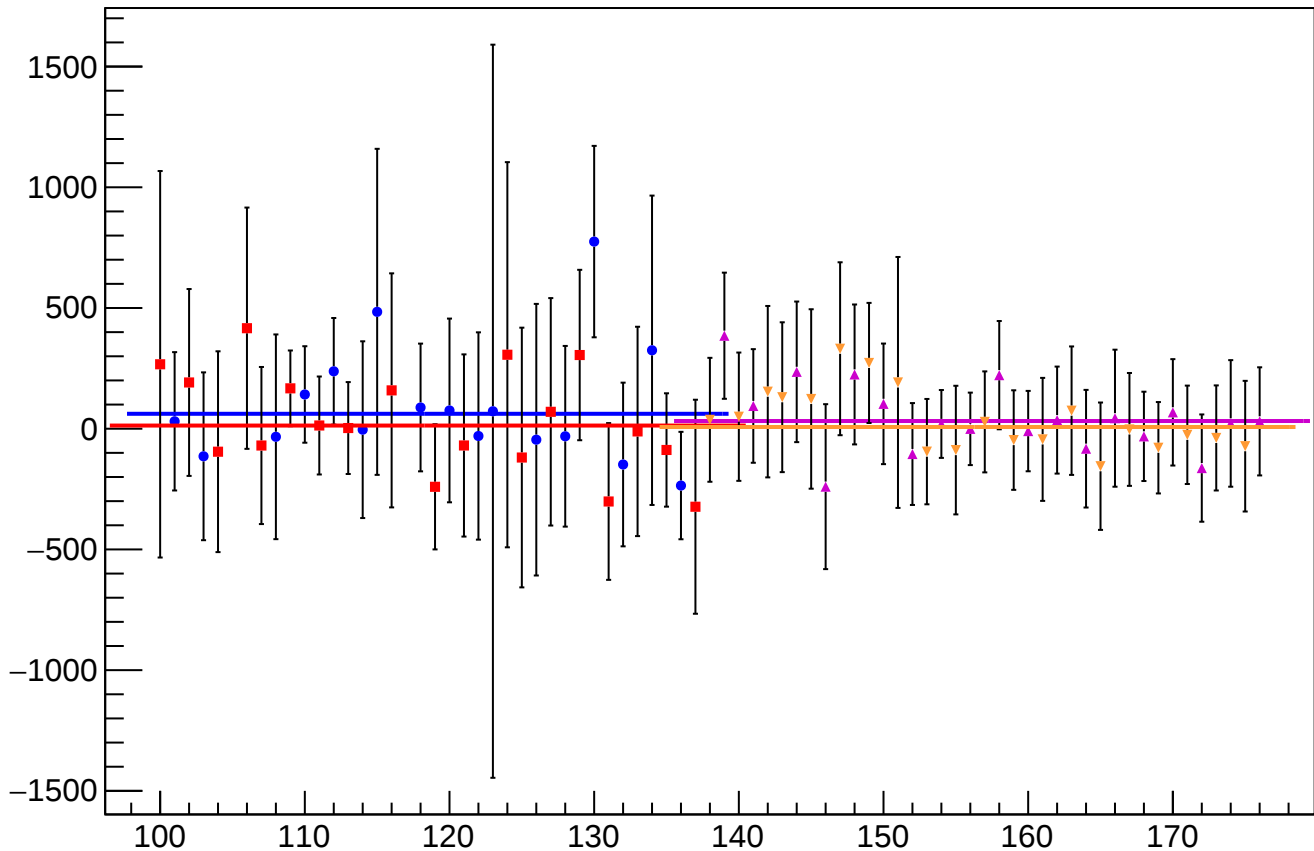
Right: 182.592 ± 0.037 $\chi^2/\text{NDF}: 2658346.9/35$

In: 184.890 ± 0.030 $\chi^2/\text{NDF}: 2626662.2/35$

Out: 197.045 ± 0.031 $\chi^2/\text{NDF}: 3192363.7/38$

All: 190.685 ± 0.022 $\chi^2/\text{NDF}: 5898323.5/74$

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 7.067 $\pm$ 56.521 χ^2 /NDF:3.8/19

Right Out: 13.101 $\pm$ 70.391 χ^2 /NDF: 5.8/18

Left In: 31.905 $\pm$ 49.467 χ^2 /NDF:5.9/18

Left: 21.132 $\pm$ 37.224 χ^2 /NDF: 9.9/38

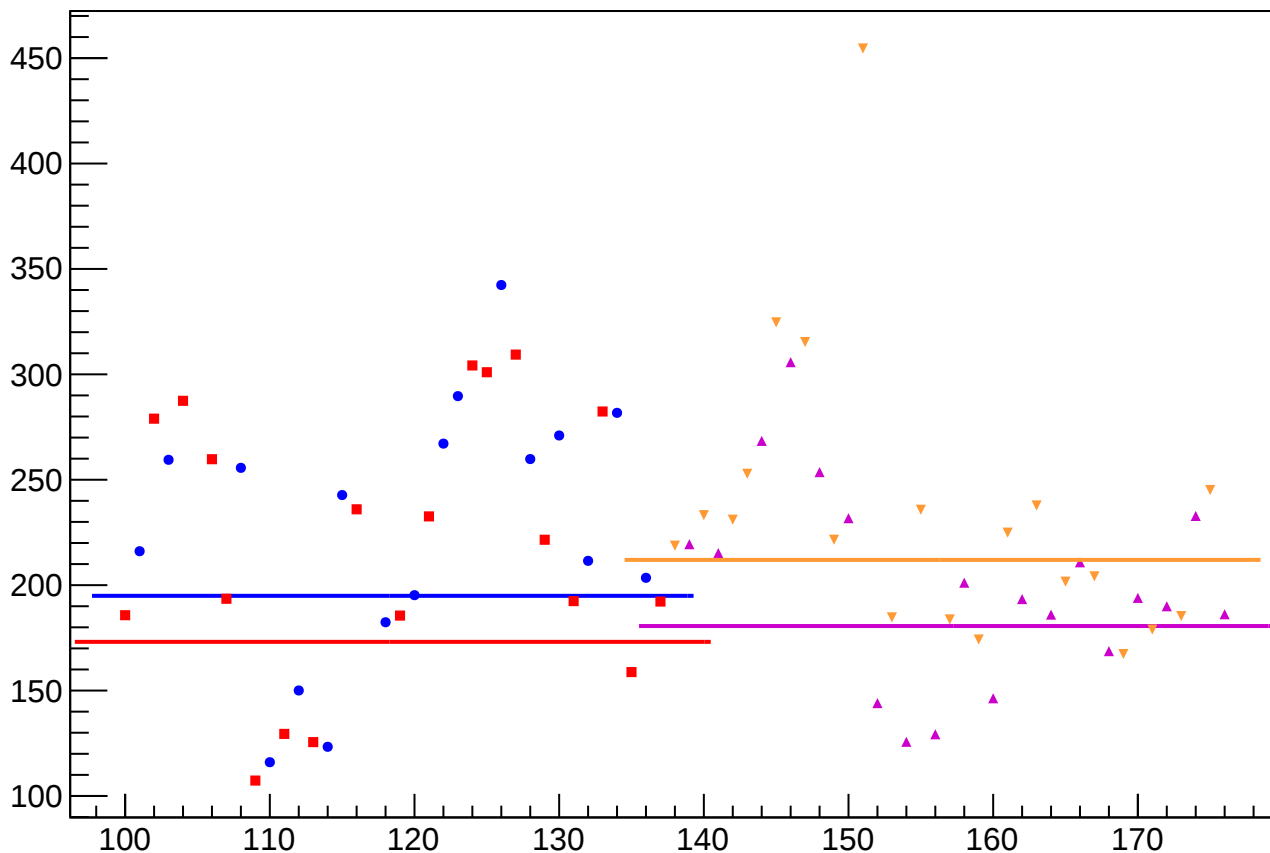
Right: 34.362 $\pm$ 52.842 χ^2 /NDF: 13.2/35

In: 40.180 $\pm$ 42.072 χ^2 /NDF:13.3/35

Out: 9.433 $\pm$ 44.072 χ^2 /NDF:9.6/38

All: 25.520 $\pm$ 30.432 χ^2 /NDF: 23.1/74

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 ± 0.057 $\chi^2/\text{NDF}: 986629.1/16$

Left Out: 211.993 ± 0.040 $\chi^2/\text{NDF}: 1247719.1/19$

Right Out: 173.109 ± 0.050 $\chi^2/\text{NDF}: 1544723.9/18$

Left In: 180.614 ± 0.035 $\chi^2/\text{NDF}: 1579629.0/18$

Left: 194.224 ± 0.026 $\chi^2/\text{NDF}: 3176412.0/38$

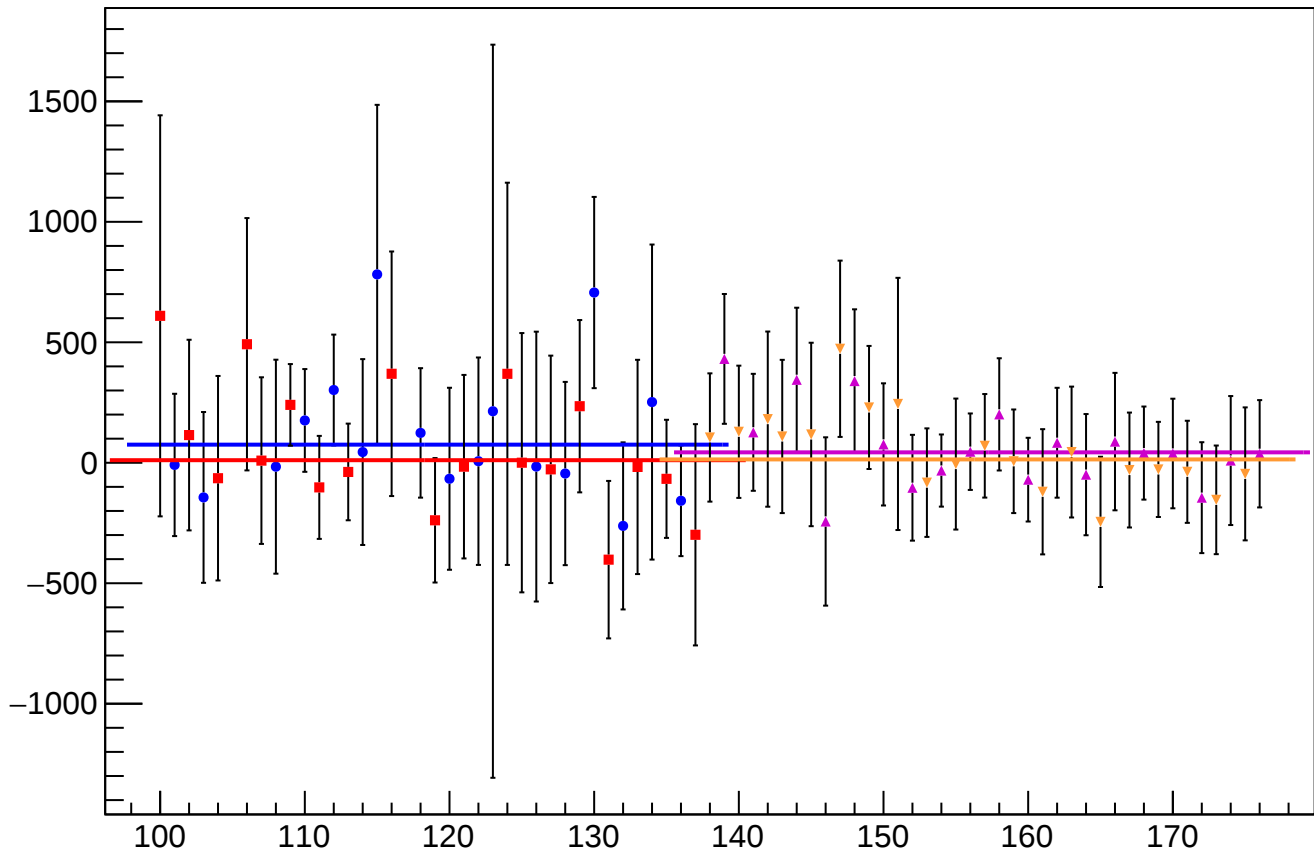
Right: 182.637 ± 0.037 $\chi^2/\text{NDF}: 2615306.2/35$

In: 184.577 ± 0.030 $\chi^2/\text{NDF}: 2612661.3/35$

Out: 196.750 ± 0.031 $\chi^2/\text{NDF}: 3163495.8/38$

All: 190.381 ± 0.022 $\chi^2/\text{NDF}: 5855993.0/74$

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 13.917 $\pm$ 58.211 χ^2 /NDF: 5.3/19

Right Out: 10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

Left In: 43.237 $\pm$ 51.296 χ^2 /NDF: 7.3/18

Left: 30.421 $\pm$ 38.485 χ^2 /NDF: 12.8/38

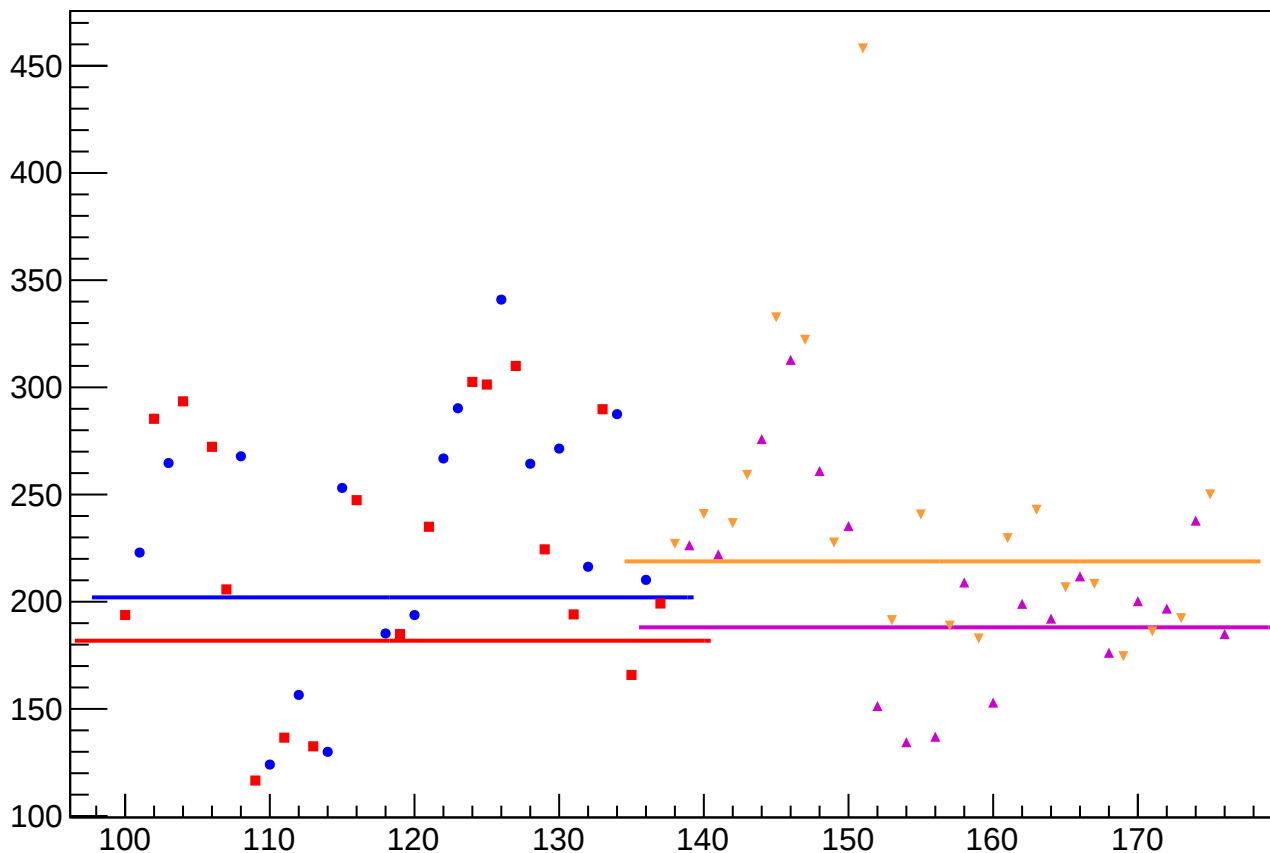
Right: 39.157 $\pm$ 54.813 χ^2 /NDF: 15.8/35

In: 52.150 $\pm$ 43.562 χ^2 /NDF: 15.1/35

Out: 12.663 $\pm$ 45.594 χ^2 /NDF: 13.2/38

All: 33.306 $\pm$ 31.497 χ^2 /NDF: 28.7/74

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 218.818+/-0.041 χ^2/NDF : 1176341.3/19

Right Out: 181.811+/-0.052 χ^2/NDF : 1377537.2/18

Left In: 188.049+/-0.036 χ^2/NDF : 1417869.0/18

Left: 201.498+/-0.027 χ^2/NDF : 2908753.0/38

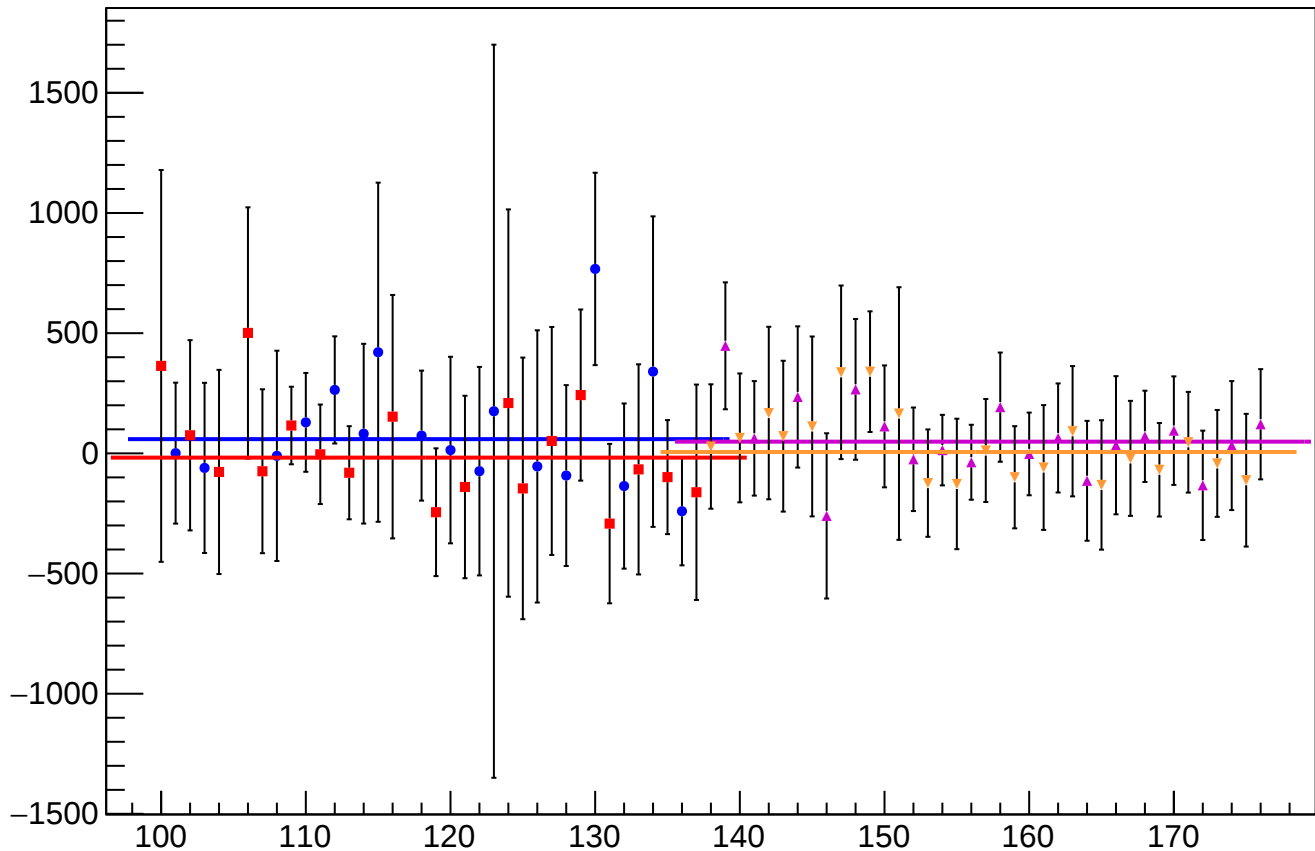
Right: 190.735+/-0.039 χ^2/NDF : 2326235.8/35

In: 191.946+/-0.031 χ^2/NDF : 2340893.1/35

Out: 204.514+/-0.032 χ^2/NDF : 2866302.2/38

All: 197.944+/-0.022 χ^2/NDF : 5286639.8/74

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 5.741+/-57.651 χ^2/NDF : 4.8/19

Right Out: -17.727+/-71.900 χ^2/NDF : 4.7/18

Left In: 48.672+/-50.721 χ^2/NDF : 6.3/18

Left: 29.941+/-38.081 χ^2/NDF : 11.4/38

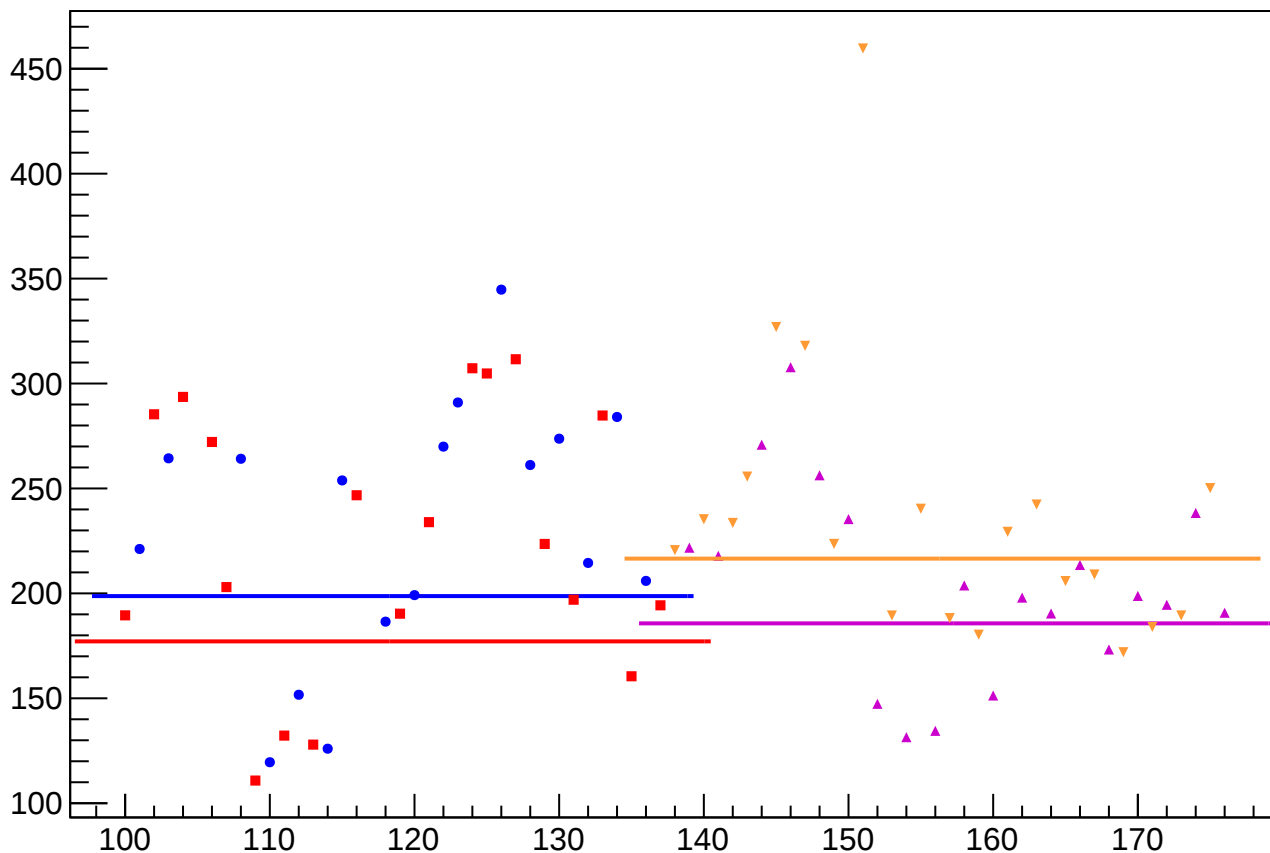
Right: 15.968+/-53.893 χ^2/NDF : 12.3/35

In: 51.608+/-43.050 χ^2/NDF : 13.5/35

Out: -3.443+/-44.978 χ^2/NDF : 9.5/38

All: 25.288+/-31.100 χ^2/NDF : 23.7/74

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704+/-0.058 χ^2/NDF : 963394.4/16

Left Out: 216.566+/-0.041 χ^2/NDF : 1185842.6/19

Right Out: 177.125+/-0.051 χ^2/NDF : 1524889.9/18

Left In: 185.706+/-0.036 χ^2/NDF : 1453258.8/18

Left: 199.170+/-0.027 χ^2/NDF : 2962145.7/38

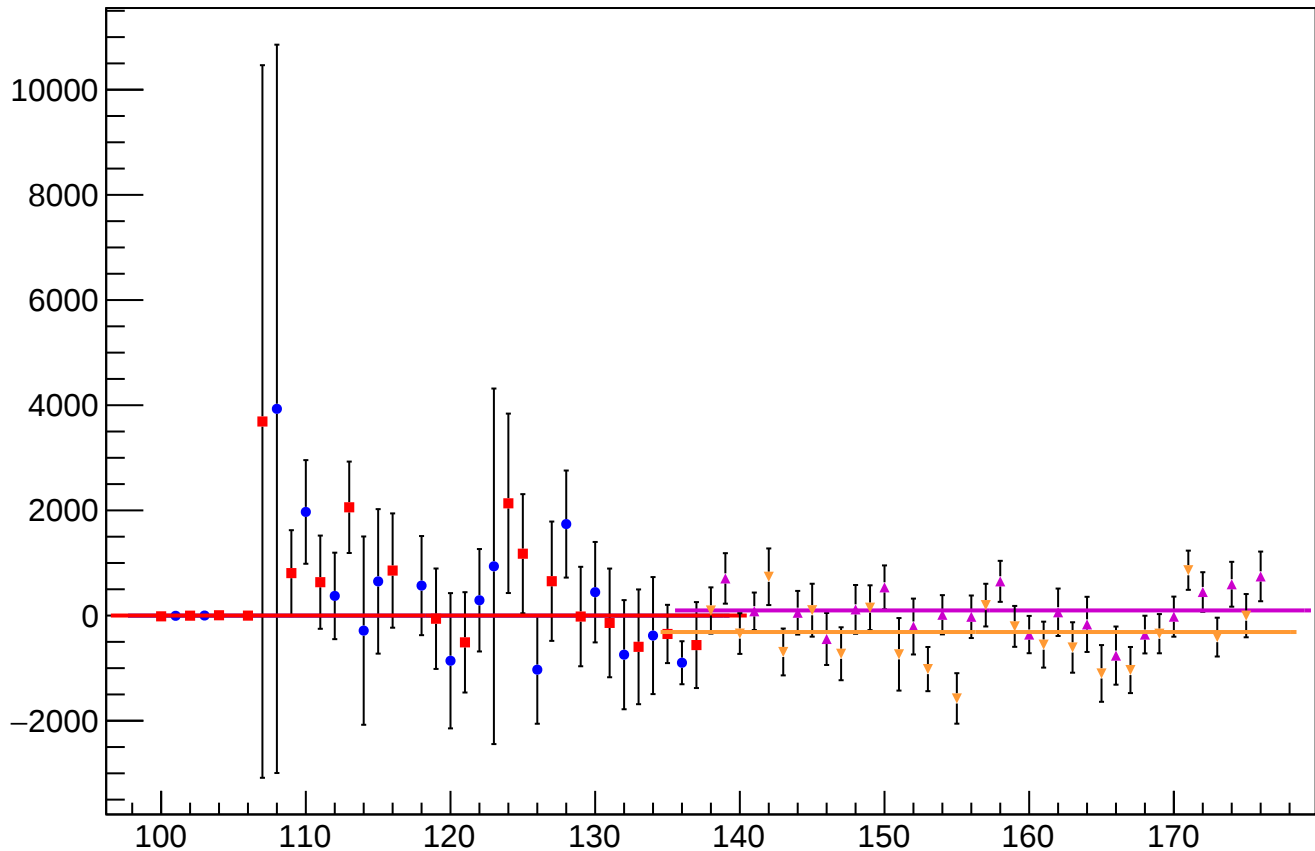
Right: 186.580+/-0.038 χ^2/NDF : 2567217.8/35

In: 189.340+/-0.030 χ^2/NDF : 2453375.8/35

Out: 201.132+/-0.032 χ^2/NDF : 3077049.8/38

All: 194.978+/-0.022 χ^2/NDF : 5602168.6/74

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -312.795 ± 97.858 χ^2/NDF : 35.8/19

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.4/18

Left In: 97.859 ± 96.483 χ^2/NDF : 16.6/18

Left: -104.564 ± 68.705 χ^2/NDF : 61.4/38

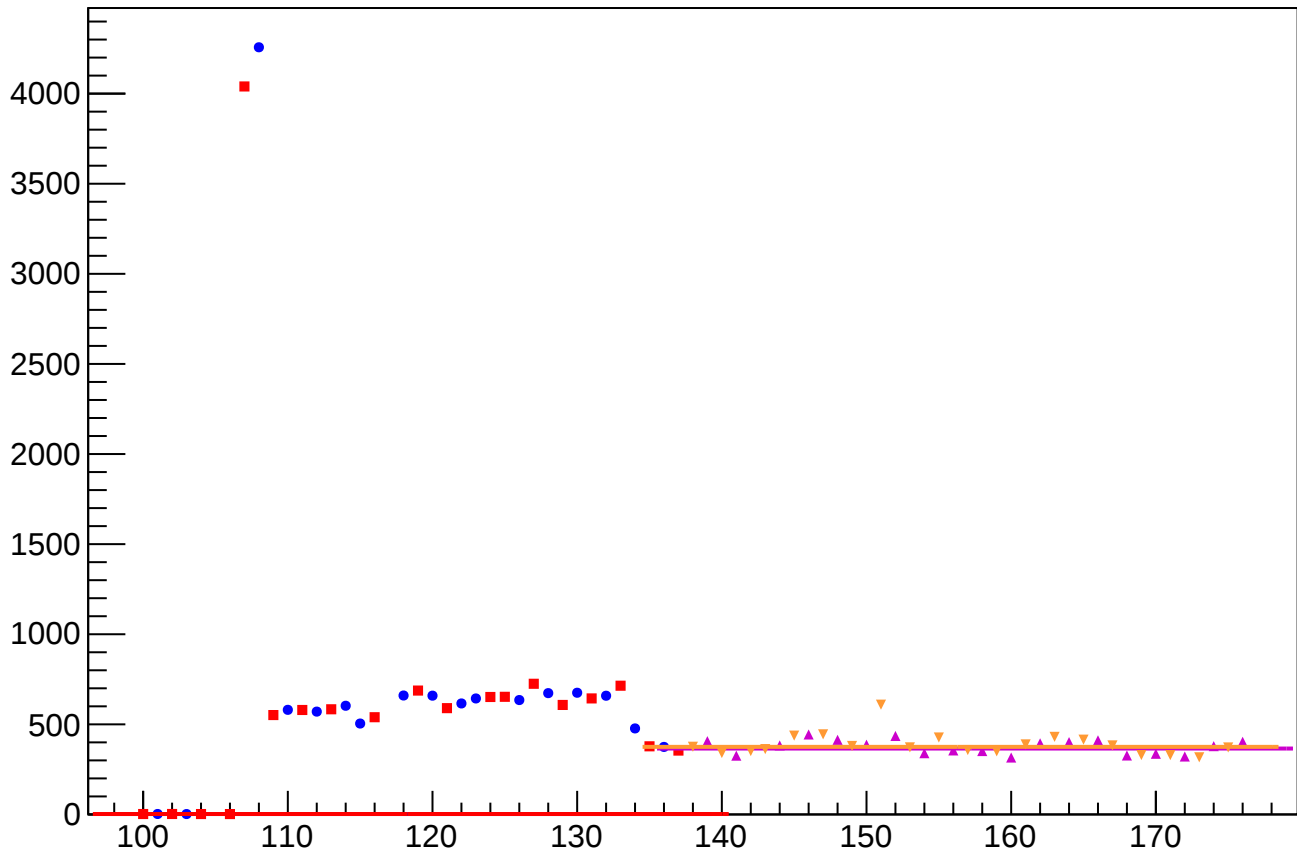
Right: -0.326 ± 1.540 χ^2/NDF : 35.6/35

In: -1.475 ± 2.251 χ^2/NDF : 34.3/35

Out: 0.586 ± 2.111 χ^2/NDF : 64.5/38

All: -0.378 ± 1.540 χ^2/NDF : 99.2/74

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 375.128+/-0.069 χ^2/NDF : 505529.6/19

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

Left In: 365.748+/-0.068 χ^2/NDF : 315004.3/18

Left: 370.372+/-0.049 χ^2/NDF : 829852.4/38

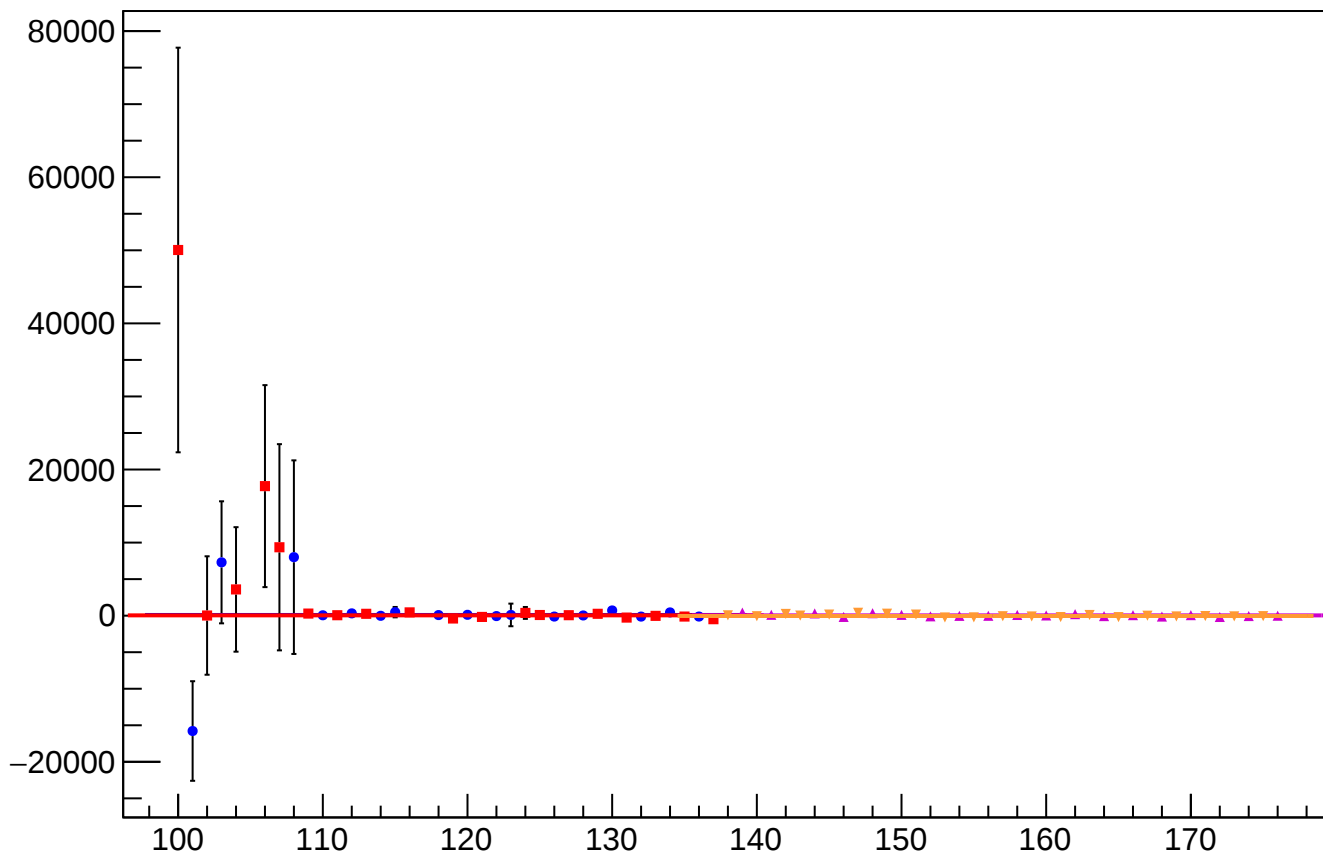
Right: 2.446+/-0.001 χ^2/NDF : 21846612.0/35

In: 2.654+/-0.002 χ^2/NDF : 39361454.8/35

Out: 2.610+/-0.001 χ^2/NDF : 40641623.6/38

All: 2.631+/-0.001 χ^2/NDF : 80003481.4/74

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -42.520+/-60.020 χ^2/NDF : 6.0/19

Right Out: 42.617+/-84.547 χ^2/NDF : 14.0/18

Left In: 38.872+/-53.360 χ^2/NDF : 7.3/18

Left: 2.941+/-39.879 χ^2/NDF : 14.3/38

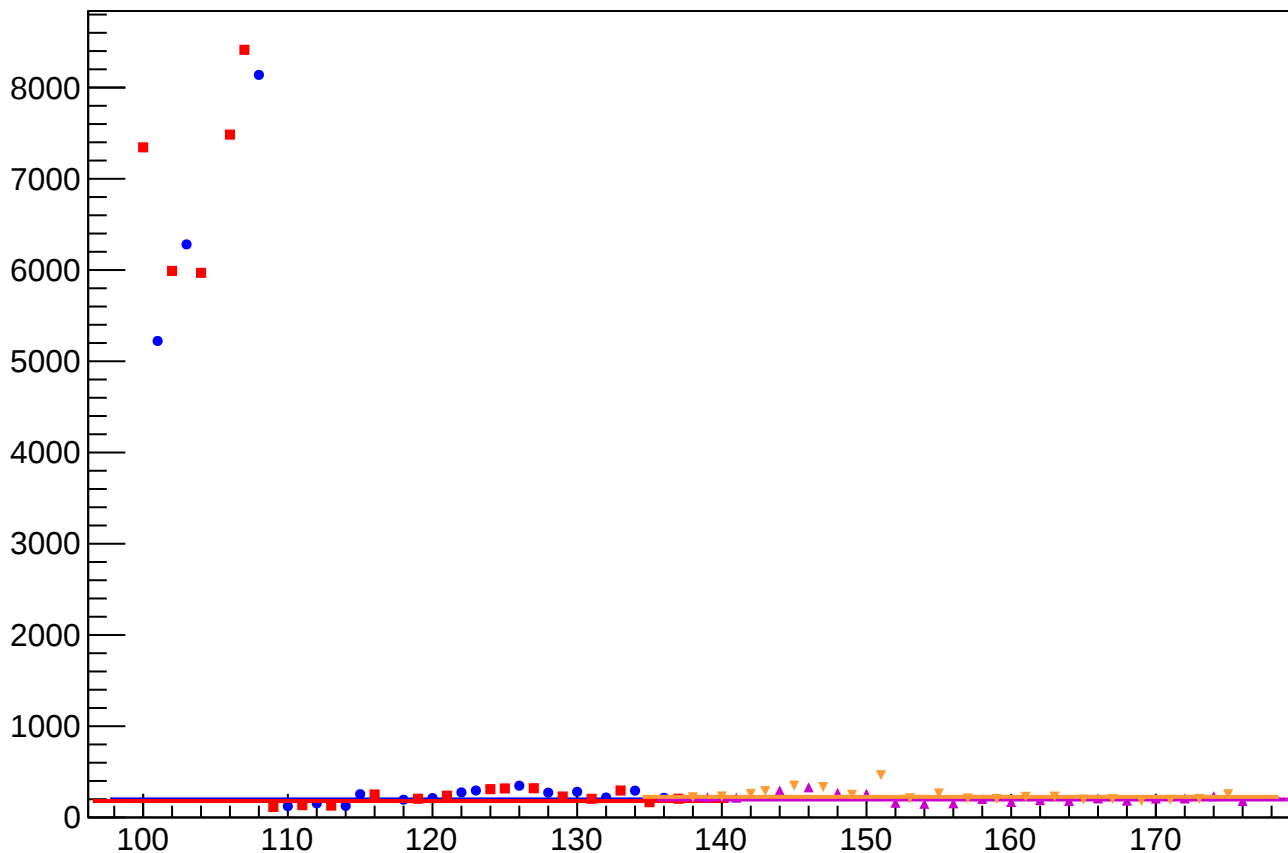
Right: 66.846+/-62.161 χ^2/NDF : 26.2/35

In: 53.157+/-46.121 χ^2/NDF : 19.6/35

Out: -13.991+/-48.941 χ^2/NDF : 20.7/38

All: 21.573+/-33.565 χ^2/NDF : 41.2/74

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 225.951+/-0.042 χ^2/NDF : 1146204.9/19

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

Left In: 196.833+/-0.038 χ^2/NDF : 1130174.0/18

Left: 209.688+/-0.028 χ^2/NDF : 2539295.2/38

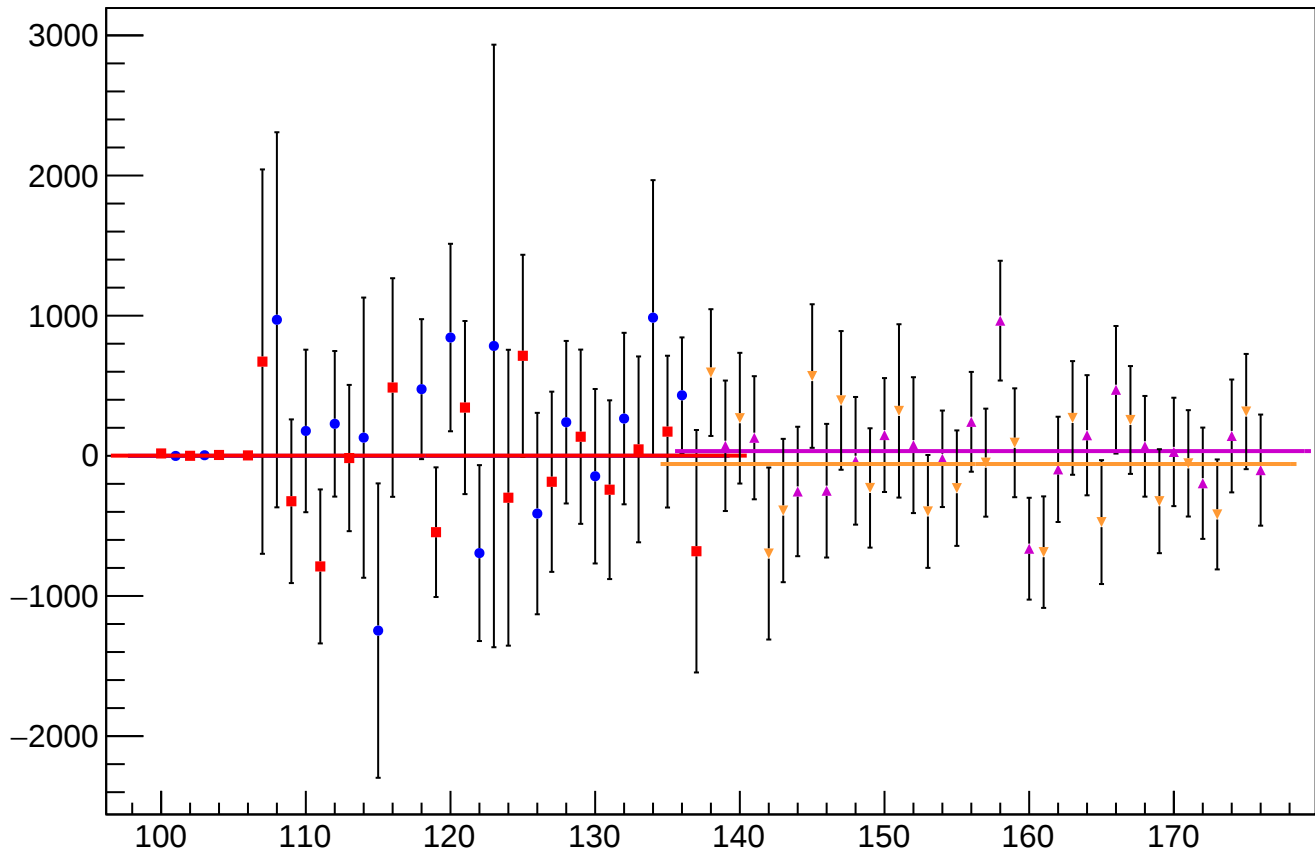
Right: 187.995+/-0.044 χ^2/NDF : 8056346.9/35

In: 196.982+/-0.033 χ^2/NDF : 4826083.9/35

Out: 210.548+/-0.035 χ^2/NDF : 5860723.1/38

All: 203.363+/-0.024 χ^2/NDF : 10768191.5/74

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -58.432 ± 96.089 χ^2/NDF : 14.9/19

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.5/18

Left In: 33.702 ± 93.636 χ^2/NDF : 11.3/18

Left: -11.174 ± 67.061 χ^2/NDF : 26.7/38

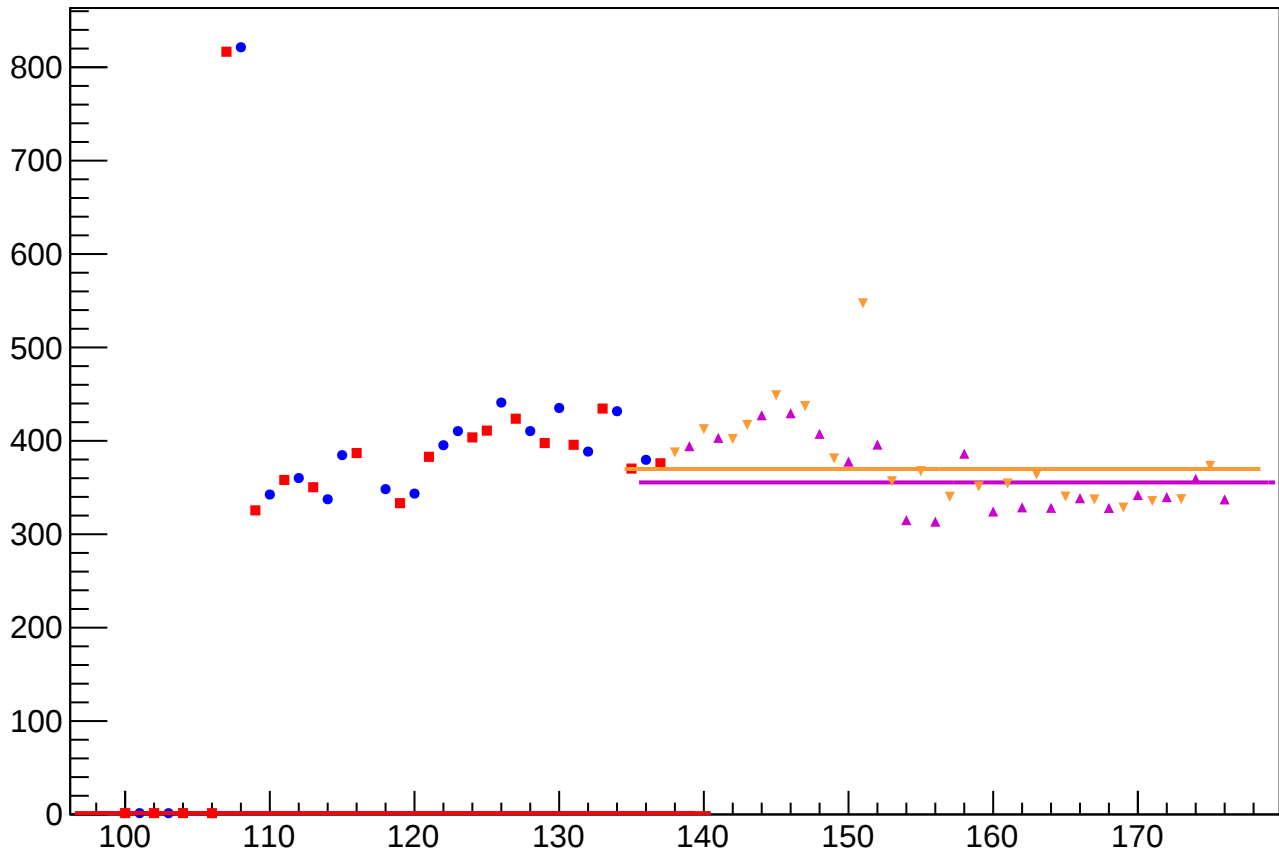
Right: 0.642 ± 1.186 χ^2/NDF : 19.7/35

In: -0.127 ± 1.736 χ^2/NDF : 21.2/35

Out: 1.307 ± 1.622 χ^2/NDF : 24.8/38

All: 0.638 ± 1.185 χ^2/NDF : 46.4/74

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10815892.9/16

Left Out: 369.856 $\pm$ 0.068 χ^2 /NDF:393030.5/19

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10873552.2/18

Left In: 355.474 $\pm$ 0.066 χ^2 /NDF:303027.9/18

Left: 362.479 $\pm$ 0.047 χ^2 /NDF: 719041.1/38

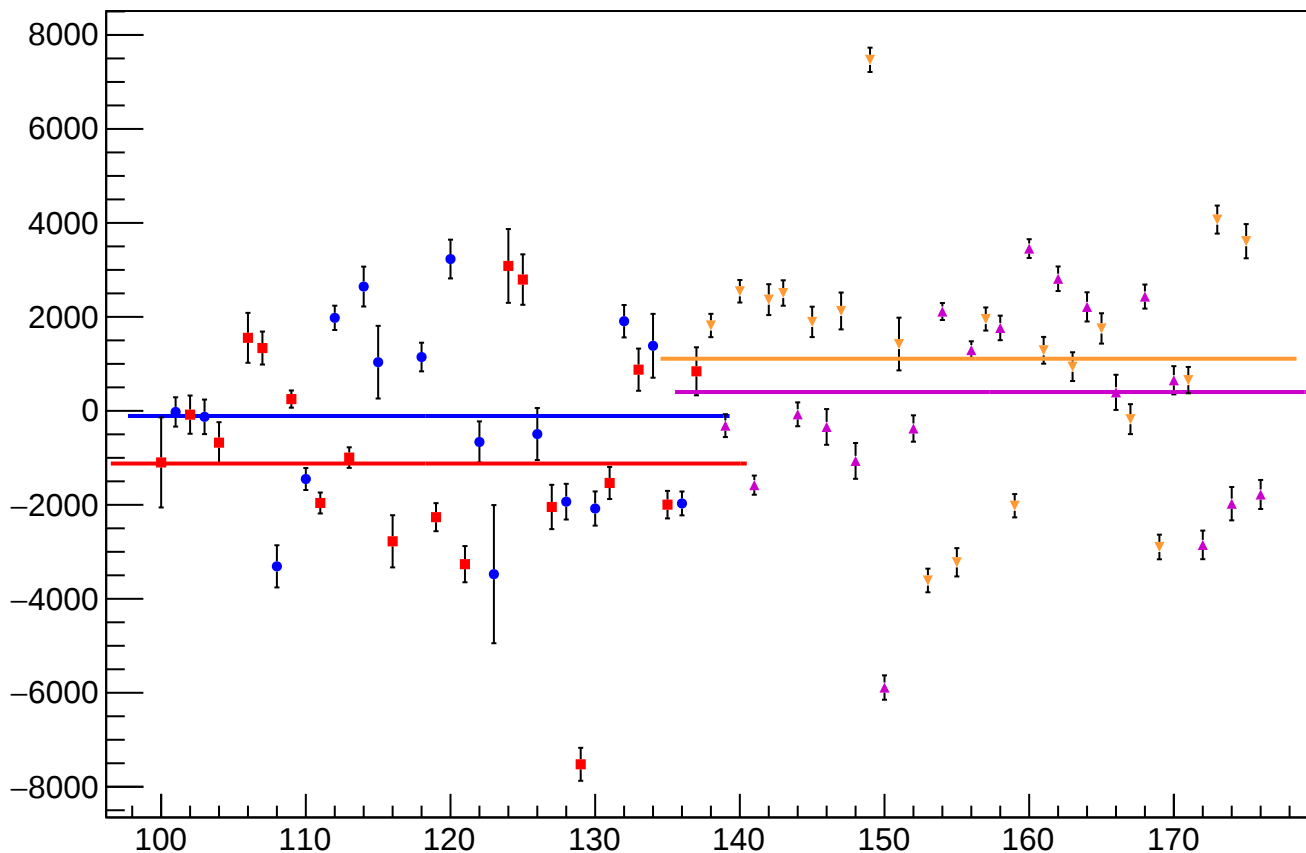
Right: 1.452 $\pm$ 0.001 χ^2 /NDF: 21689445.7/35

In: 1.574 $\pm$ 0.001 χ^2 /NDF:39698200.3/35

Out: 1.556 $\pm$ 0.001 χ^2 /NDF:40657272.6/38

All: 1.564 $\pm$ 0.001 χ^2 /NDF: 80355586.3/74

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 1109.738 ± 64.705 $\chi^2/\text{NDF}: 1836.0/19$

Right Out: -1121.203 ± 78.396 $\chi^2/\text{NDF}: 670.1/18$

Left In: 400.645 ± 59.301 $\chi^2/\text{NDF}: 1486.6/18$

Left: 724.346 ± 43.718 $\chi^2/\text{NDF}: 3387.9/38$

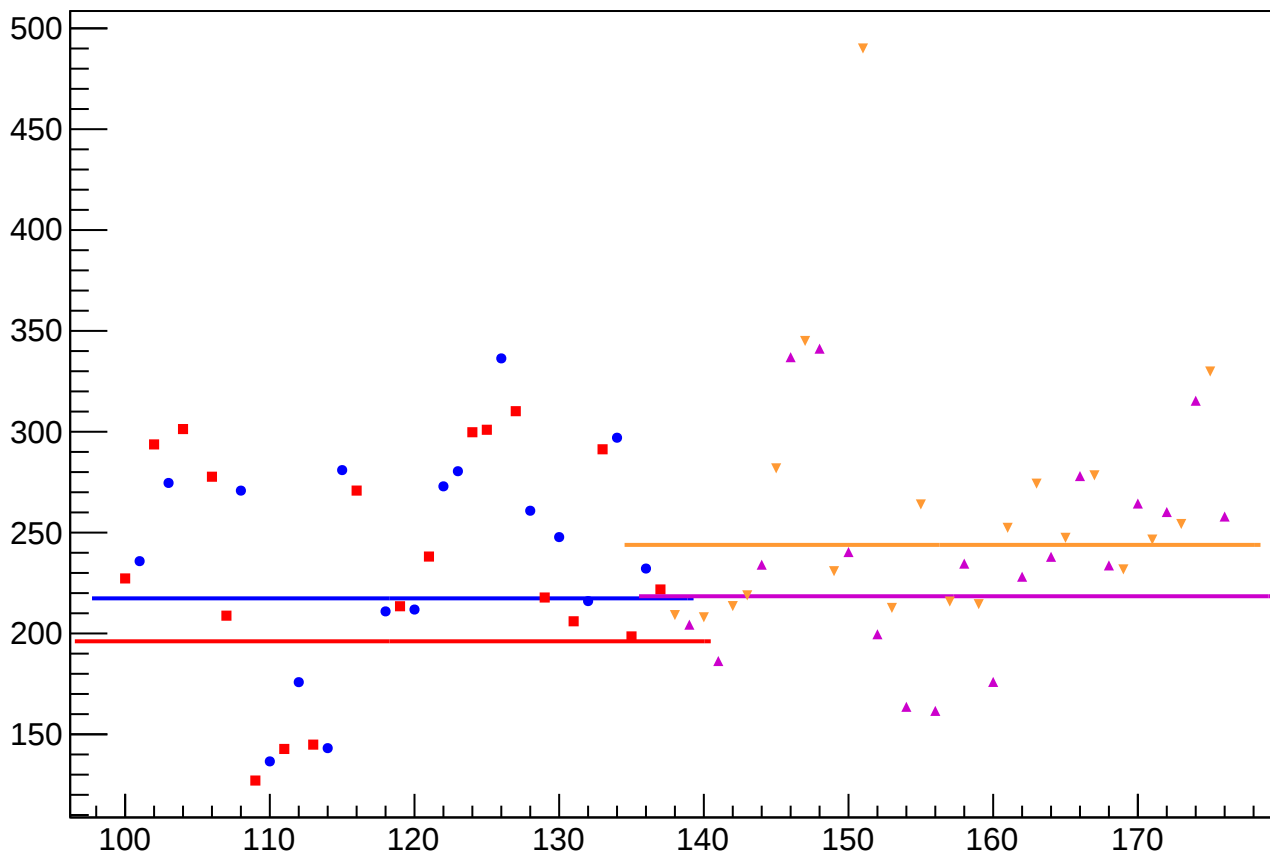
Right: -673.210 ± 58.525 $\chi^2/\text{NDF}: 1172.2/35$

In: 241.321 ± 49.170 $\chi^2/\text{NDF}: 1938.1/35$

Out: 205.768 ± 49.903 $\chi^2/\text{NDF}: 2987.7/38$

All: 223.807 ± 35.025 $\chi^2/\text{NDF}: 4926.0/74$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 243.908+/-0.046 χ^2/NDF : 926045.4/19

Right Out: 196.112+/-0.055 χ^2/NDF : 1190862.3/18

Left In: 218.448+/-0.042 χ^2/NDF : 1290069.7/18

Left: 230.071+/-0.031 χ^2/NDF : 2384401.2/38

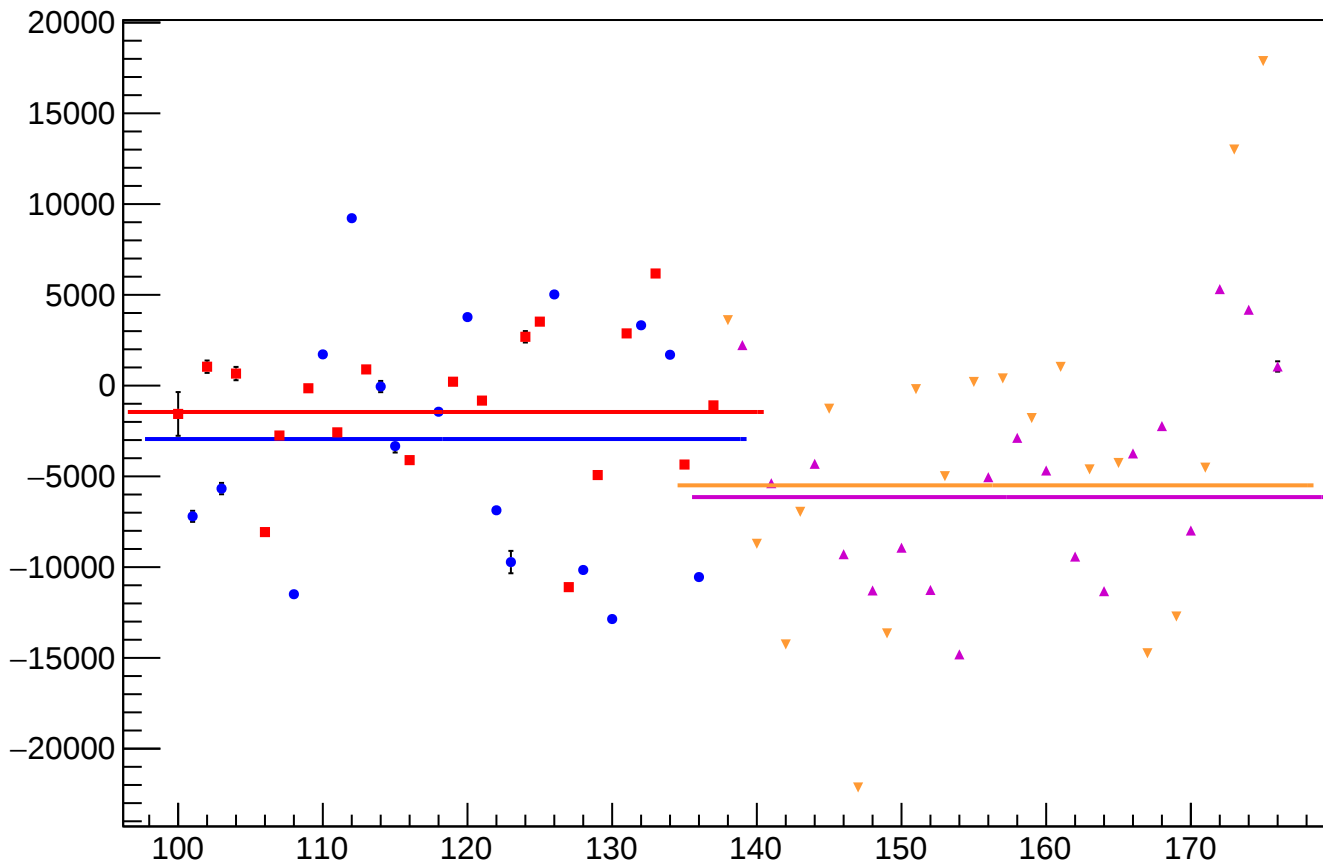
Right: 205.537+/-0.041 χ^2/NDF : 1908796.2/35

In: 218.122+/-0.035 χ^2/NDF : 1942896.9/35

Out: 224.541+/-0.035 χ^2/NDF : 2559081.9/38

All: 221.284+/-0.025 χ^2/NDF : 4518771.8/74

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -5494.224+/-37.322 χ^2/NDF : 52624.0/19

Right Out: -1453.116+/-46.404 χ^2/NDF : 7996.0/18

Left In: -6141.214+/-38.290 χ^2/NDF : 17082.3/18

Left: -5809.442+/-26.726 χ^2/NDF : 69852.7/38

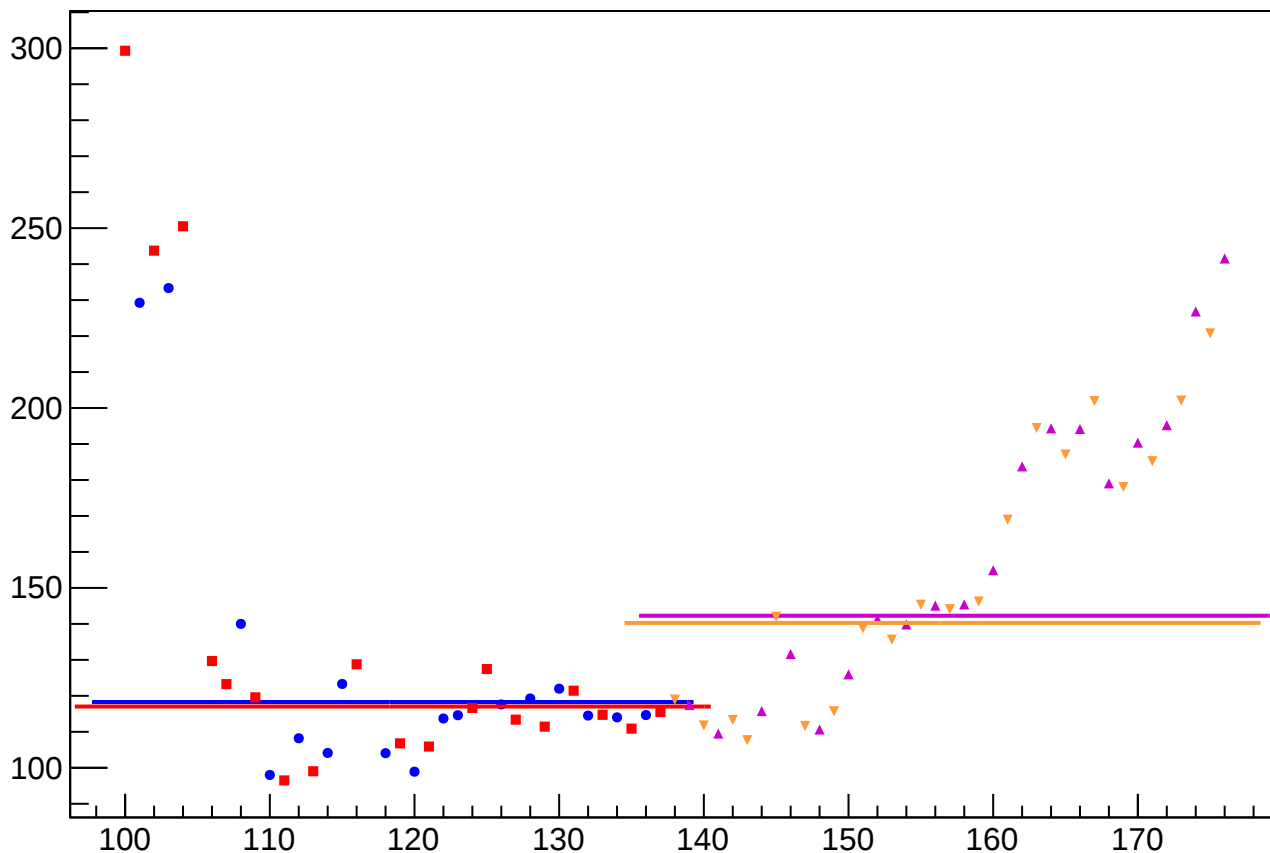
Right: -2163.502+/-33.566 χ^2/NDF : 29397.3/35

In: -4916.756+/-30.080 χ^2/NDF : 40663.1/35

Out: -3906.880+/-29.083 χ^2/NDF : 65225.0/38

All: -4394.808+/-20.908 χ^2/NDF : 106470.6/77

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 140.265+/-0.026 χ^2/NDF :1390279.7/19

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

Left In: 142.264+/-0.027 χ^2/NDF :1457083.8/18

Left: 141.239+/-0.019 χ^2/NDF : 2850159.9/38

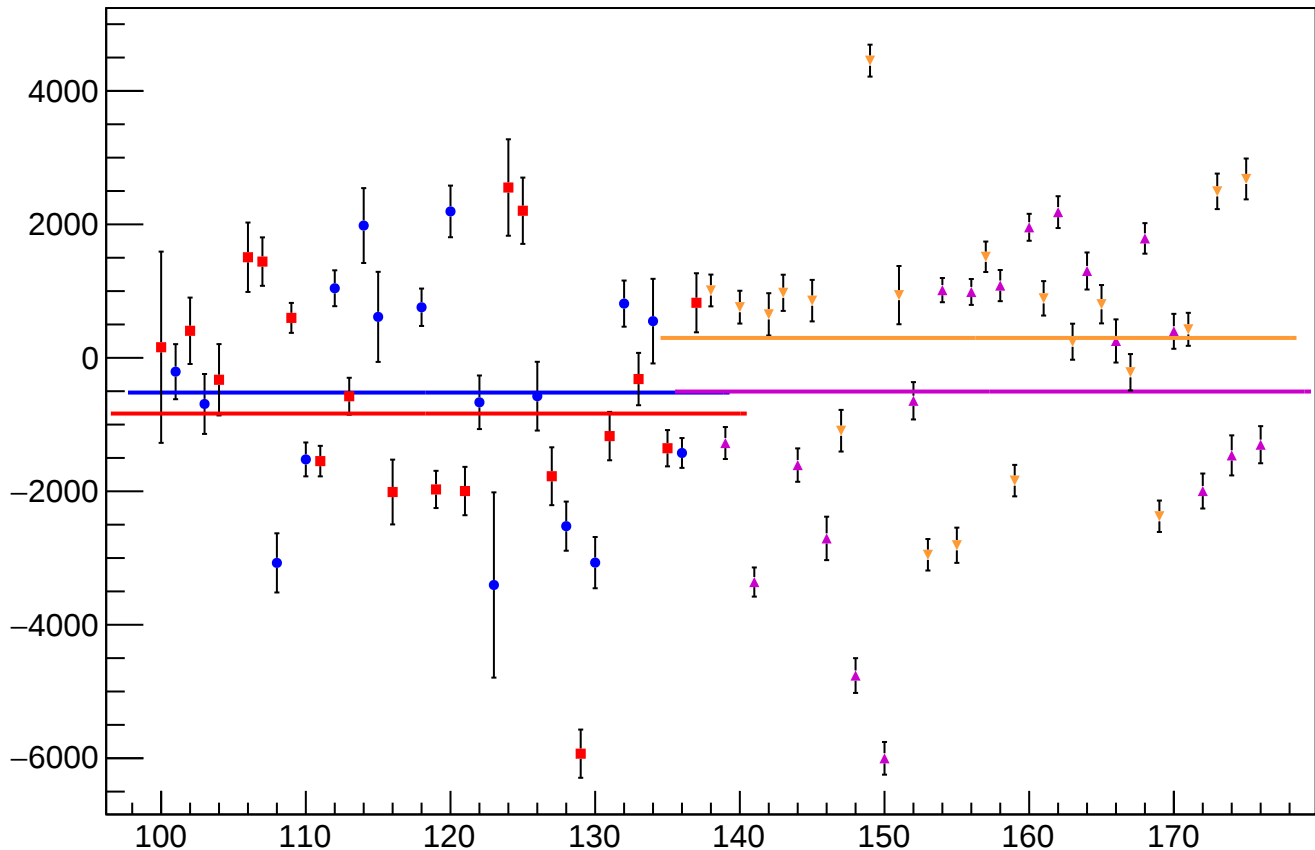
Right: 117.629+/-0.024 χ^2/NDF : 1328476.0/35

In: 133.083+/-0.021 χ^2/NDF :2394303.0/35

Out: 131.139+/-0.021 χ^2/NDF :2385563.5/38

All: 132.078+/-0.015 χ^2/NDF : 4784187.1/74

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 ± 89.241 $\chi^2/\text{NDF}: 288.1/16$

Left Out: 298.321 ± 59.329 $\chi^2/\text{NDF}: 1055.4/19$

Right Out: -834.834 ± 82.273 $\chi^2/\text{NDF}: 434.7/18$

Left In: -504.862 ± 55.886 $\chi^2/\text{NDF}: 1679.2/18$

Left: -127.250 ± 40.680 $\chi^2/\text{NDF}: 2831.6/38$

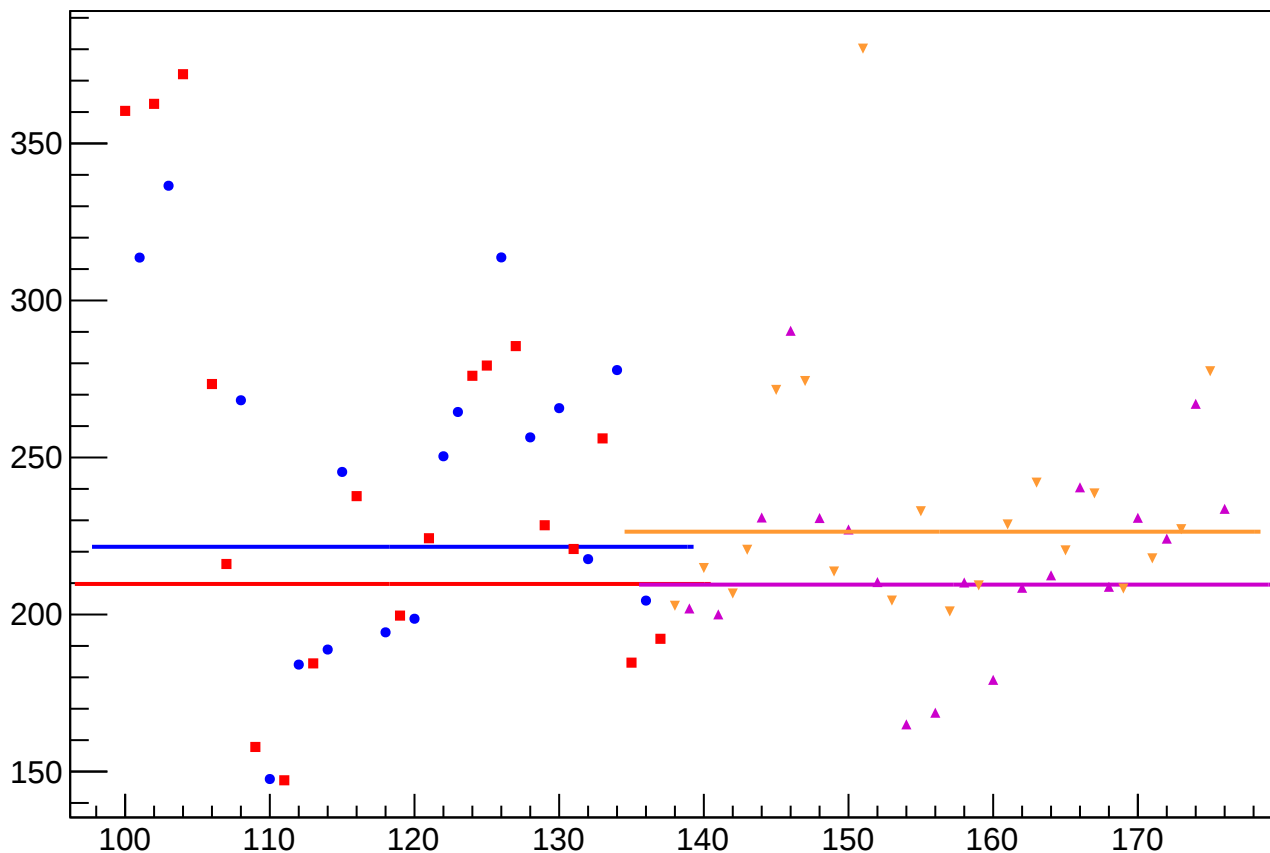
Right: -690.308 ± 60.489 $\chi^2/\text{NDF}: 729.5/35$

In: -509.201 ± 47.365 $\chi^2/\text{NDF}: 1967.3/35$

Out: -89.344 ± 48.122 $\chi^2/\text{NDF}: 1614.9/38$

All: -302.601 ± 33.756 $\chi^2/\text{NDF}: 3620.8/74$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 ± 0.063 $\chi^2/\text{NDF}: 644941.4/16$

Left Out: 226.378 ± 0.042 $\chi^2/\text{NDF}: 511676.3/19$

Right Out: 209.736 ± 0.058 $\chi^2/\text{NDF}: 883922.1/18$

Left In: 209.524 ± 0.040 $\chi^2/\text{NDF}: 547940.7/18$

Left: 217.448 ± 0.029 $\chi^2/\text{NDF}: 1145134.1/38$

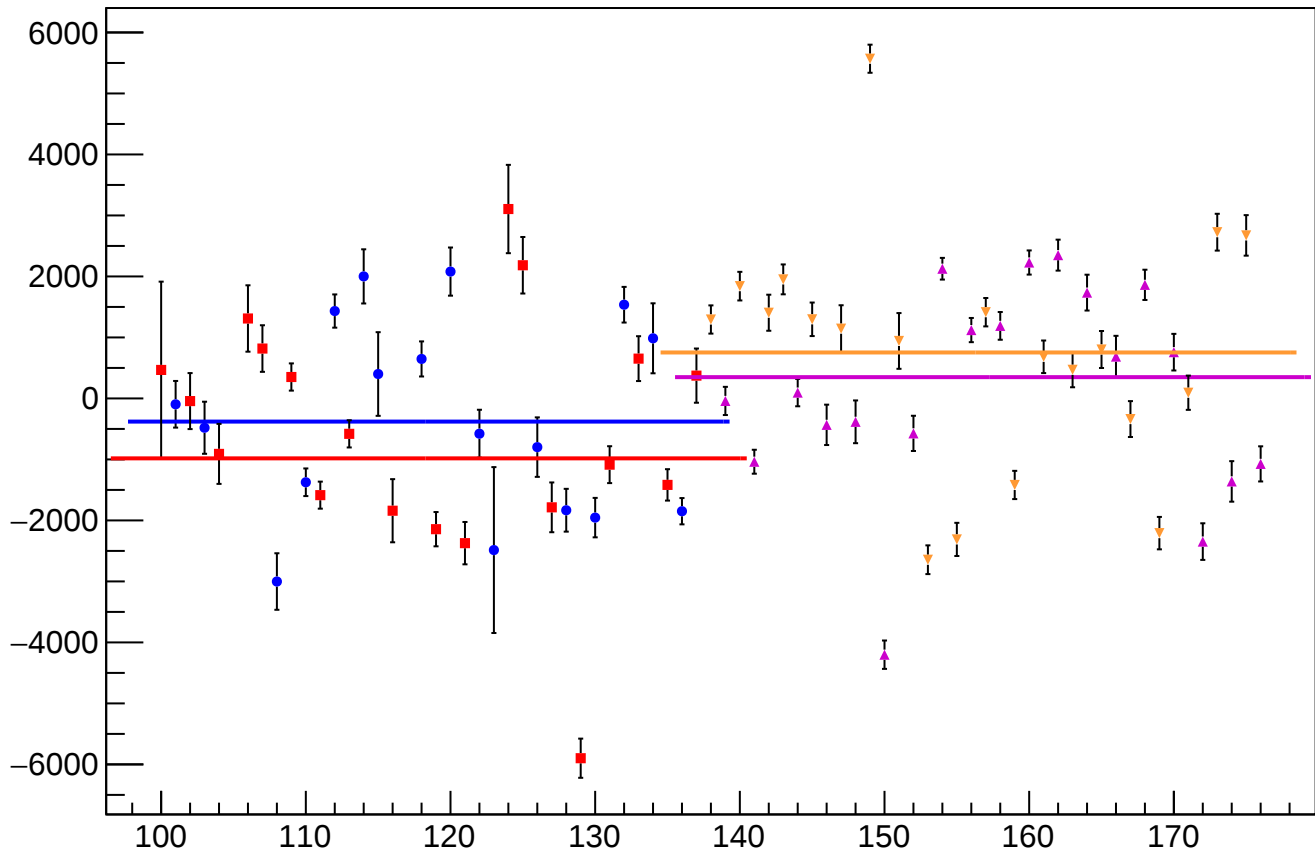
Right: 215.173 ± 0.043 $\chi^2/\text{NDF}: 1547873.9/35$

In: 212.917 ± 0.033 $\chi^2/\text{NDF}: 1219056.2/35$

Out: 220.685 ± 0.034 $\chi^2/\text{NDF}: 1449434.3/38$

All: 216.739 ± 0.024 $\chi^2/\text{NDF}: 2694955.7/74$

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Left: 538.515 $\pm$ 41.440 χ^2/NDF : 2105.2/38

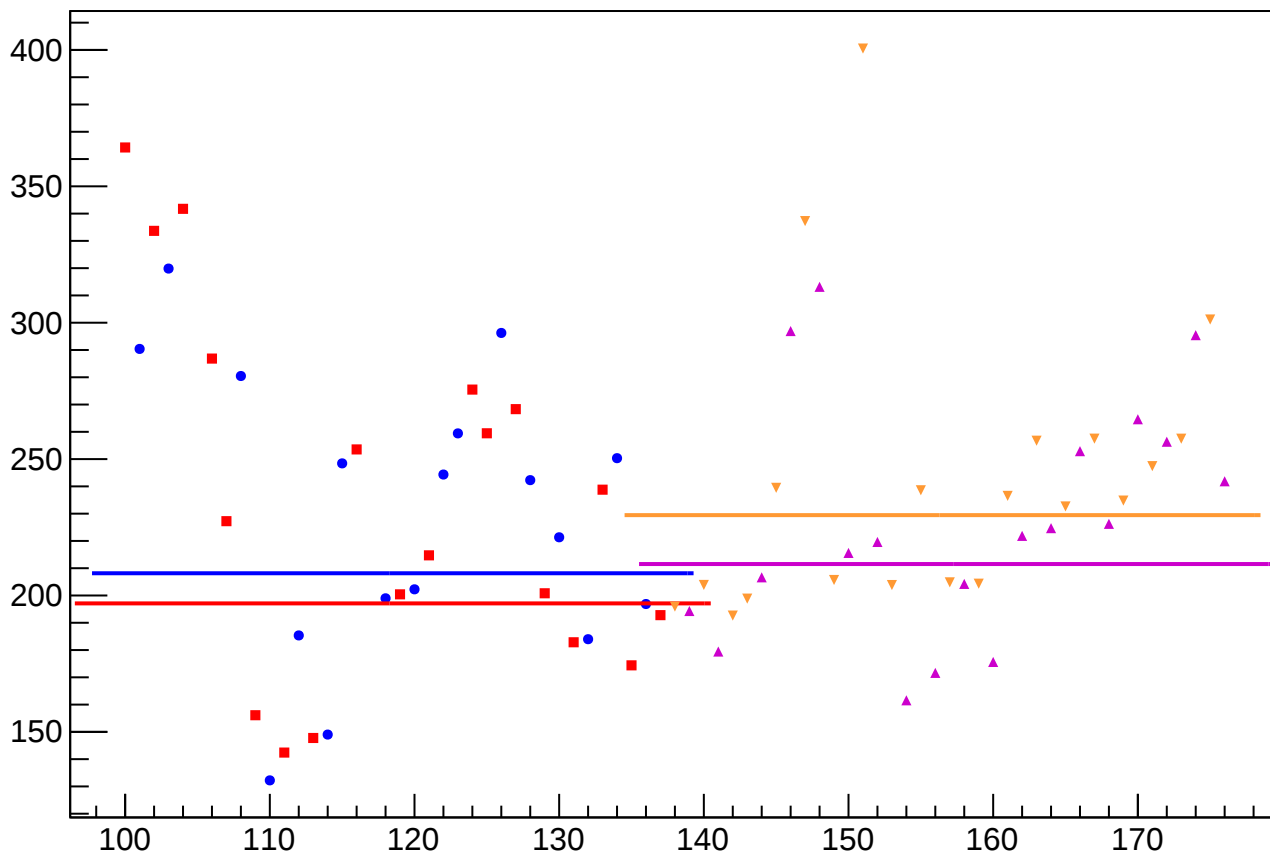
Right: -705.376 $\pm$ 57.130 χ^2/NDF : 821.1/35

In: 121.092 $\pm$ 47.122 χ^2/NDF : 1300.1/35

Out: 97.949 $\pm$ 47.763 χ^2/NDF : 1936.6/38

All: 109.677 $\pm$ 33.545 χ^2/NDF : 3236.9/74

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 229.459+/-0.043 χ^2/NDF : 819265.7/19

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

Left In: 211.530+/-0.040 χ^2/NDF : 976493.8/18

Left: 219.930+/-0.029 χ^2/NDF : 1888972.9/38

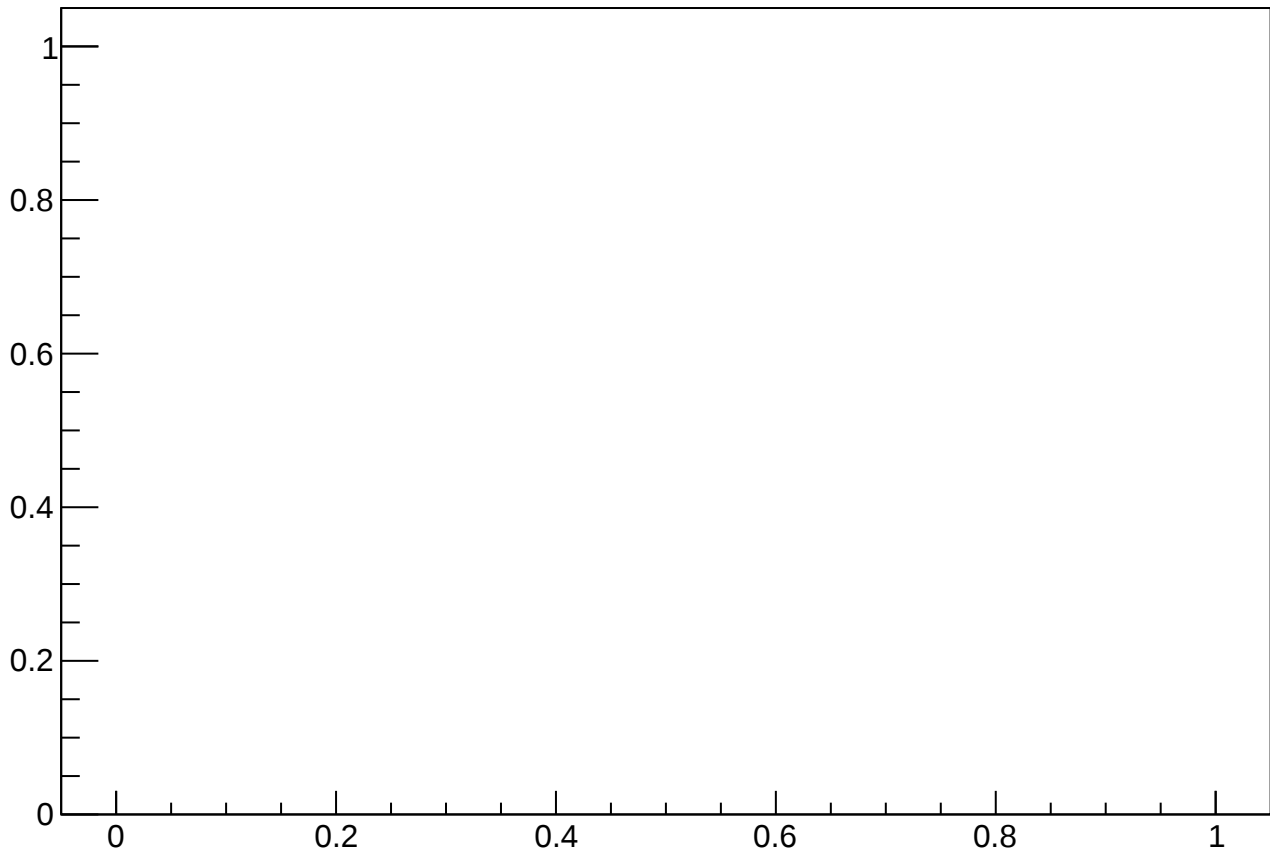
Right: 202.182+/-0.040 χ^2/NDF : 1644129.7/35

In: 210.473+/-0.033 χ^2/NDF : 1677788.9/35

Out: 217.240+/-0.034 χ^2/NDF : 1961444.4/38

All: 213.811+/-0.024 χ^2/NDF : 3659575.3/74

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

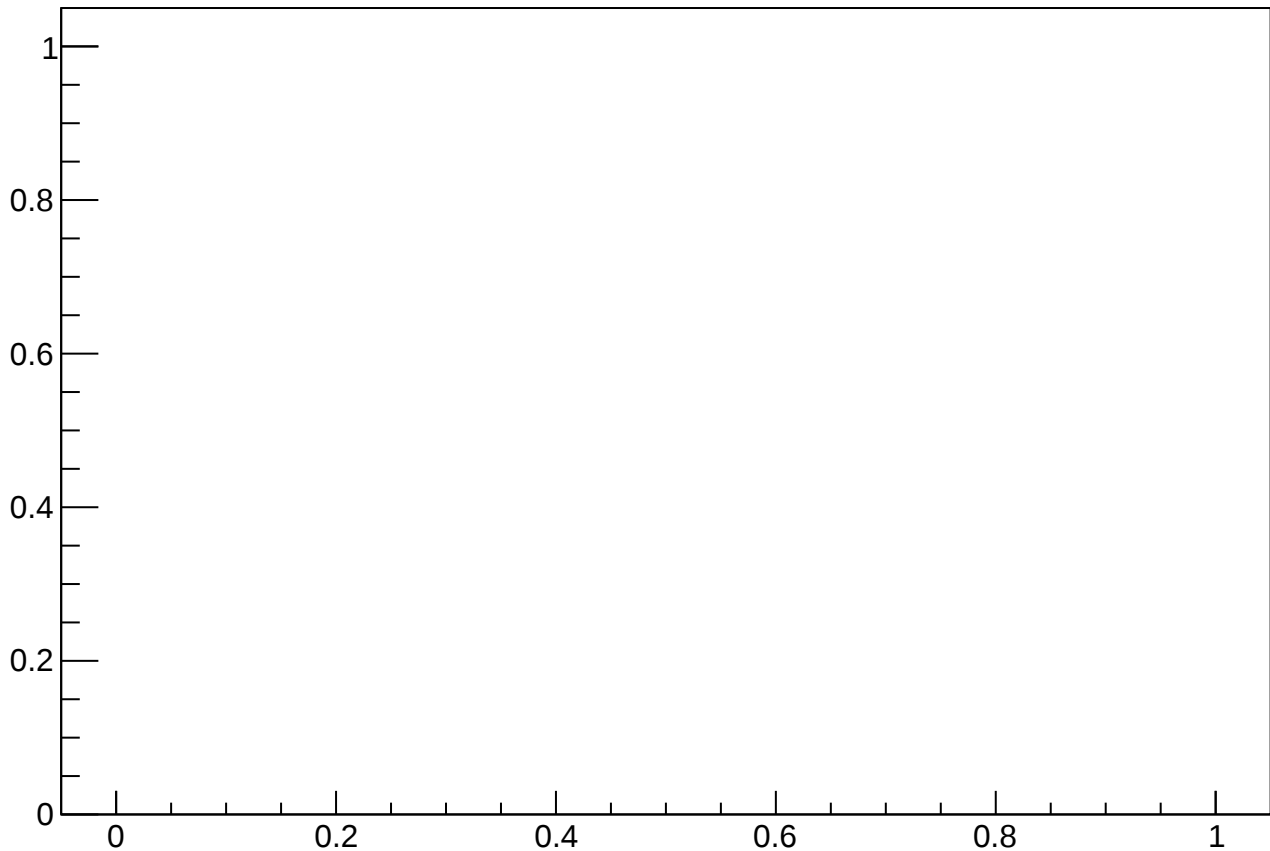
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

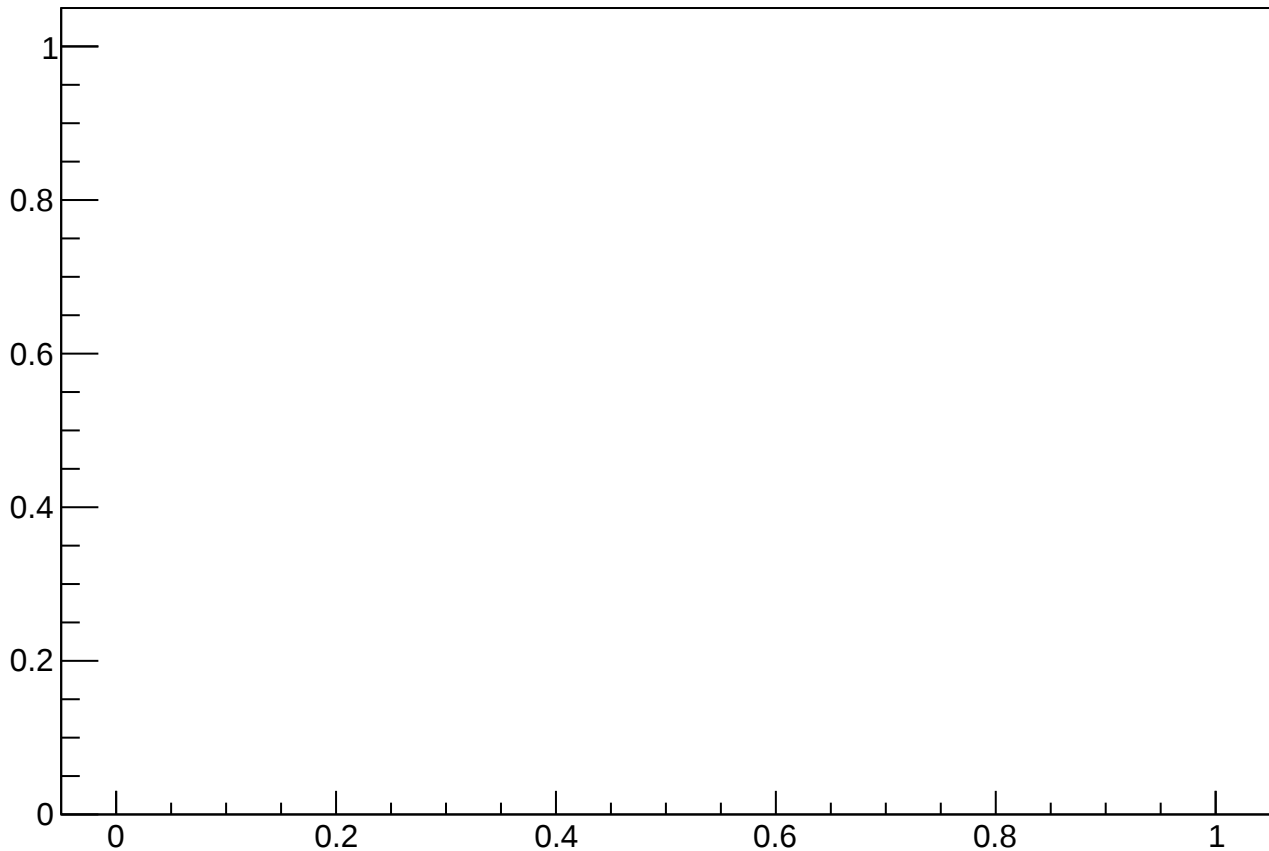
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

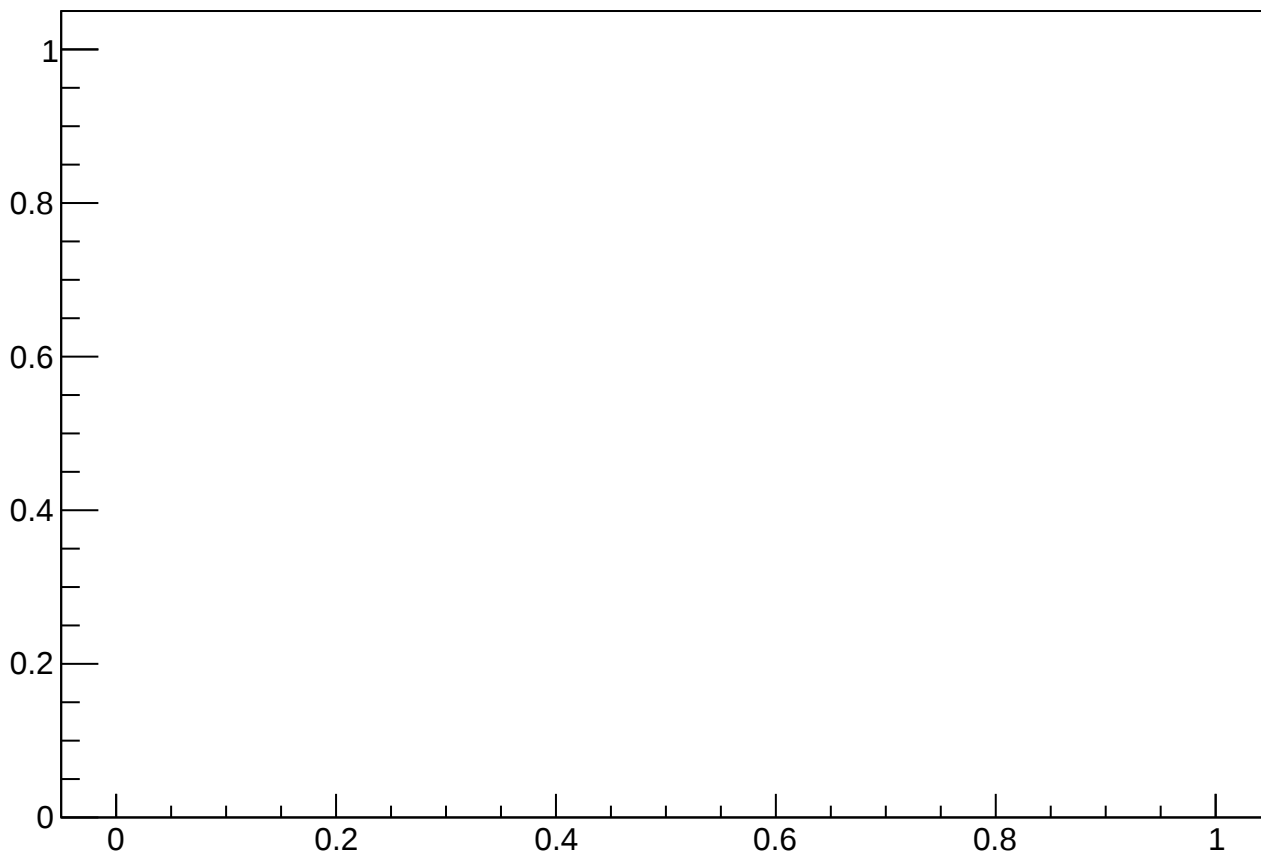
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

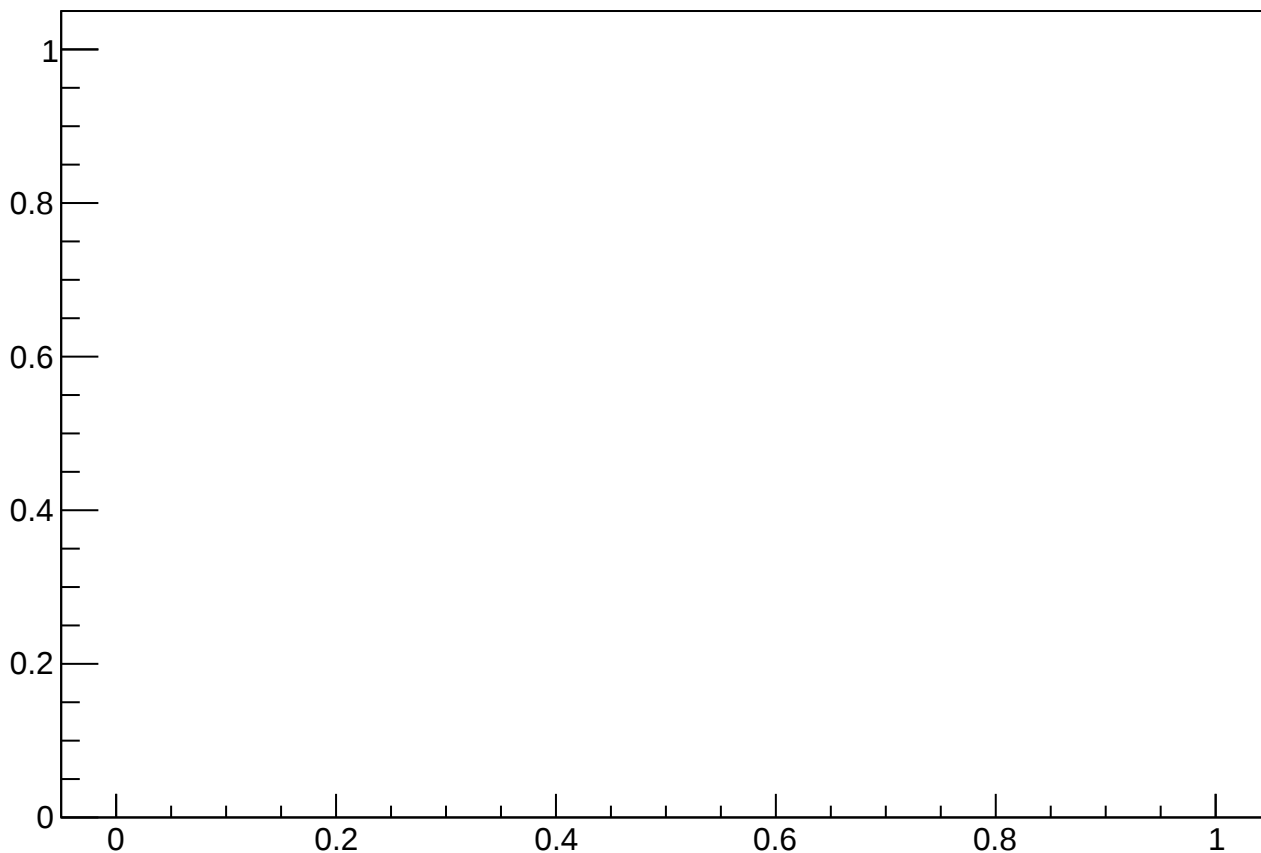
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

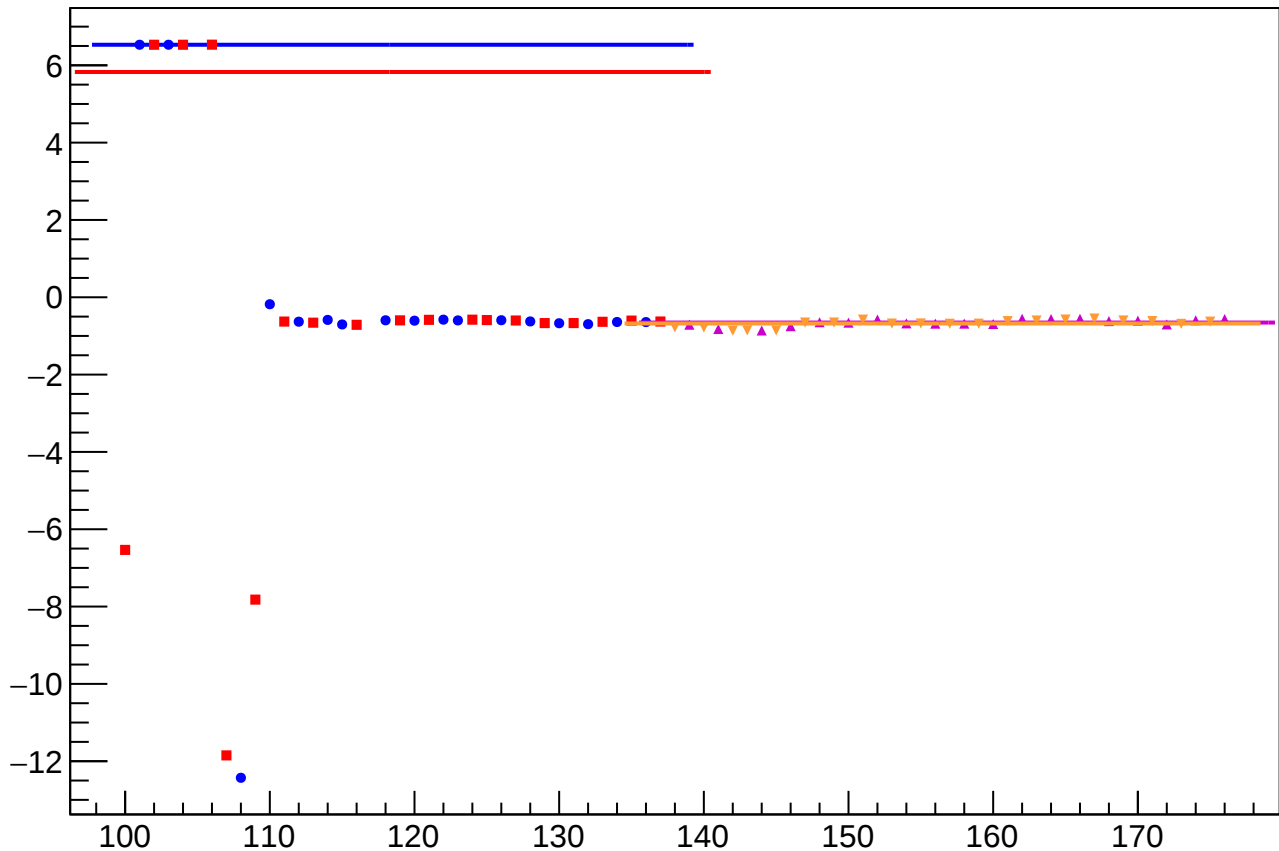
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 0.000 χ^2 /NDF: 127219747629.7/16

Left Out: -0.678 $\pm$ 0.000 χ^2 /NDF: 128699460.0/19

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755963218053643.4/18

Left In: -0.654 $\pm$ 0.000 χ^2 /NDF: 112351677.7/18

Left: -0.666 $\pm$ 0.000 χ^2 /NDF: 244884232.2/38

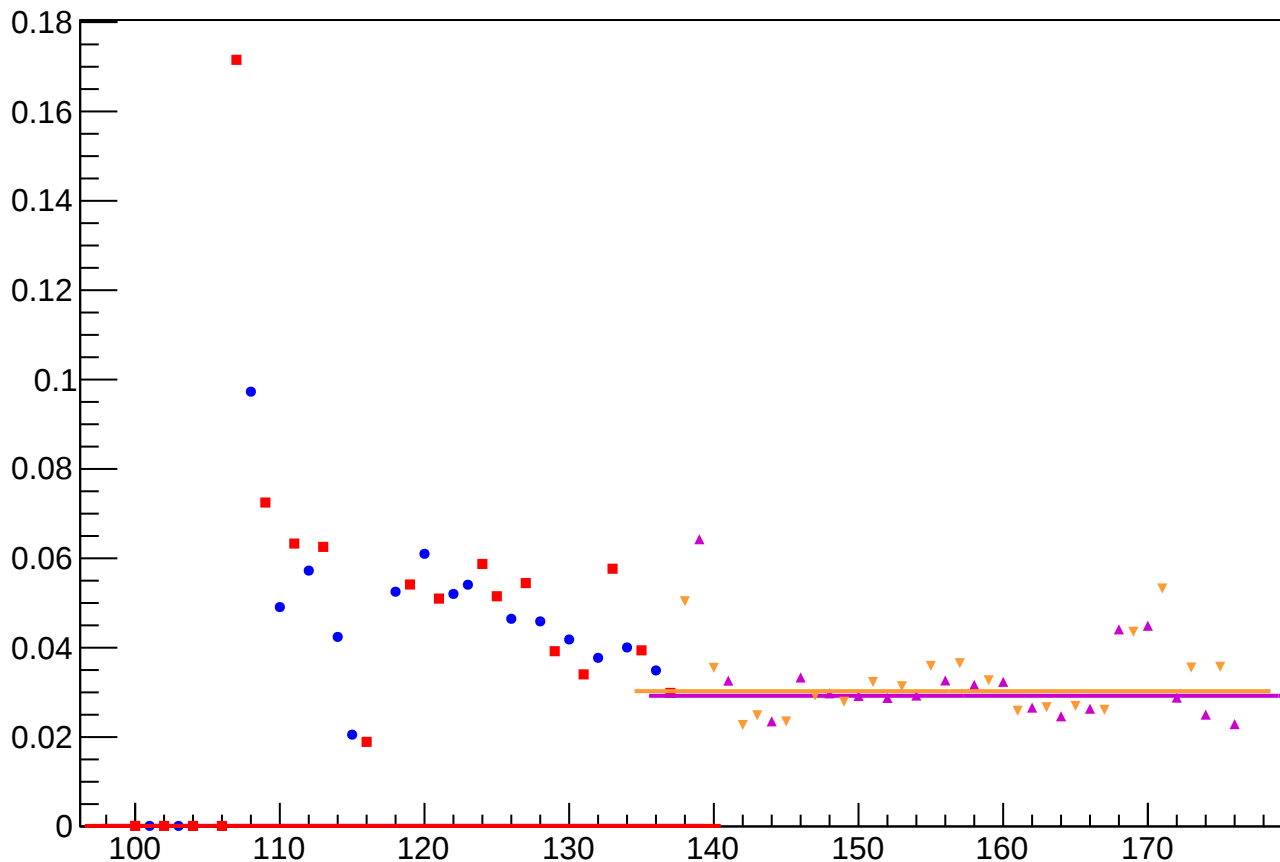
Right: 6.155 $\pm$ 0.000 χ^2 /NDF: 776094576922584.5/38

In: 6.530 $\pm$ 0.000 χ^2 /NDF: 822924968619.5/35

Out: 5.826 $\pm$ 0.000 χ^2 /NDF: 756505737877102.2/35

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77731770576423.2/72

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 :1060306.5/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

Left In: 0.029+/-0.000 χ^2/NDF :1059078.1/18

Left: 0.030+/-0.000 χ^2/NDF : 2133533.8/38

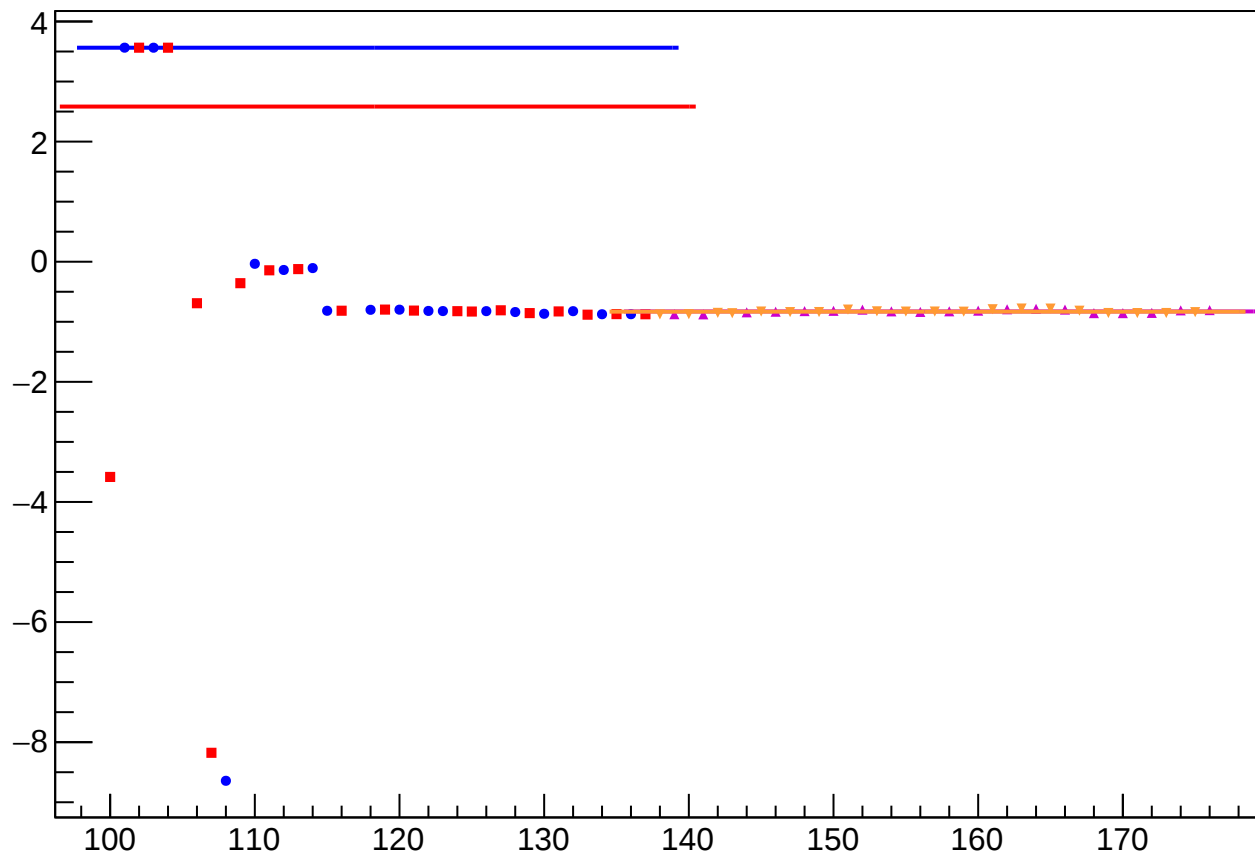
Right: 0.000+/-0.000 χ^2/NDF : 18237948.0/35

In: 0.000+/-0.000 χ^2/NDF :32785332.6/35

Out: 0.000+/-0.000 χ^2/NDF :33714694.7/38

All: 0.000+/-0.000 χ^2/NDF : 66500530.4/74

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.831+/-0.000 χ^2/NDF : 146225909.3/19

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

Left In: -0.828+/-0.000 χ^2/NDF : 132303718.0/18

Left: -0.829+/-0.000 χ^2/NDF : 279401413.9/38

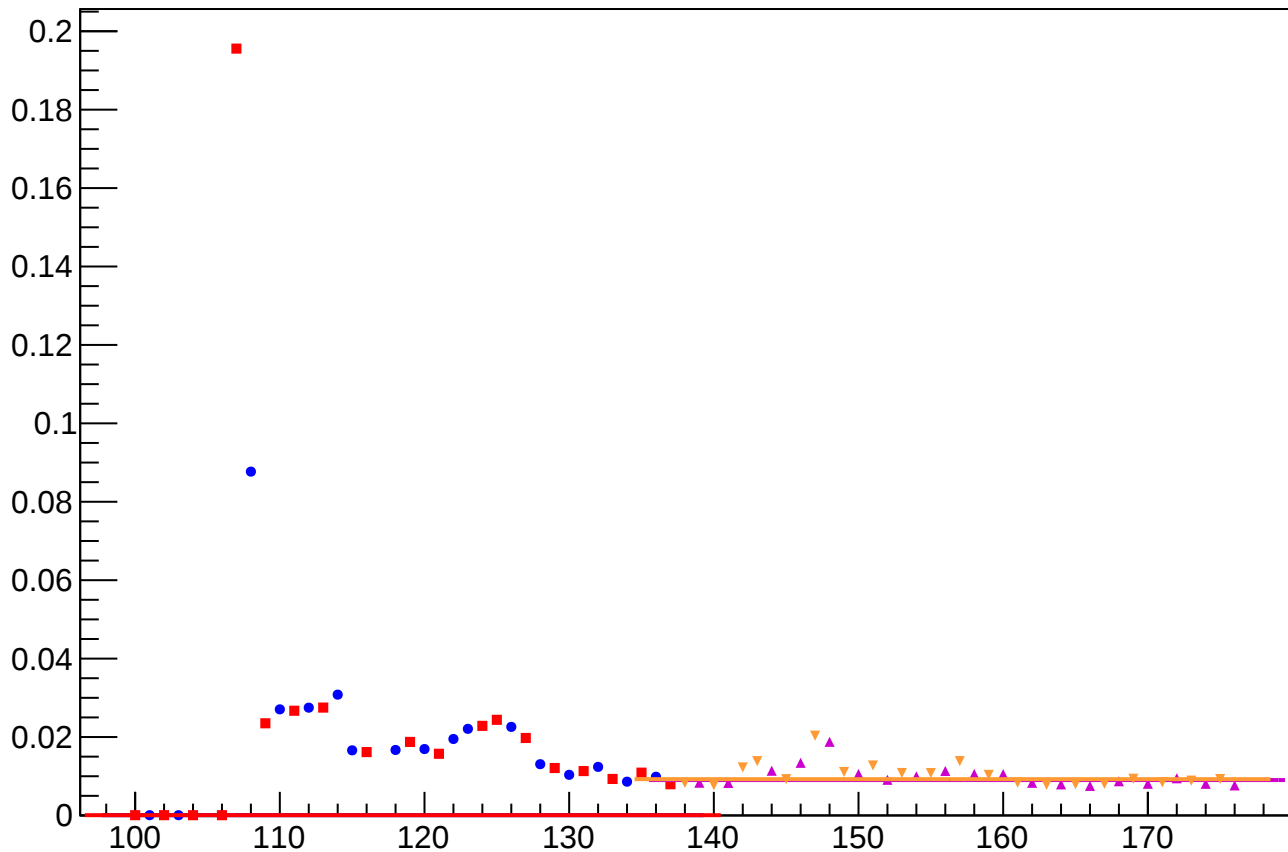
Right: 3.040+/-0.000 χ^2/NDF : 1382254685120485.0/18

In: 3.561+/-0.000 χ^2/NDF : 3369381652938.1/35

Out: 2.582+/-0.000 χ^2/NDF : 1255176052799219.2/18

All: 3.038+/-0.000 χ^2/NDF : 13866475292192.0/18

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 :1080639.3/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

Left In: 0.009+/-0.000 χ^2/NDF :869412.7/18

Left: 0.009+/-0.000 χ^2/NDF : 1957631.0/38

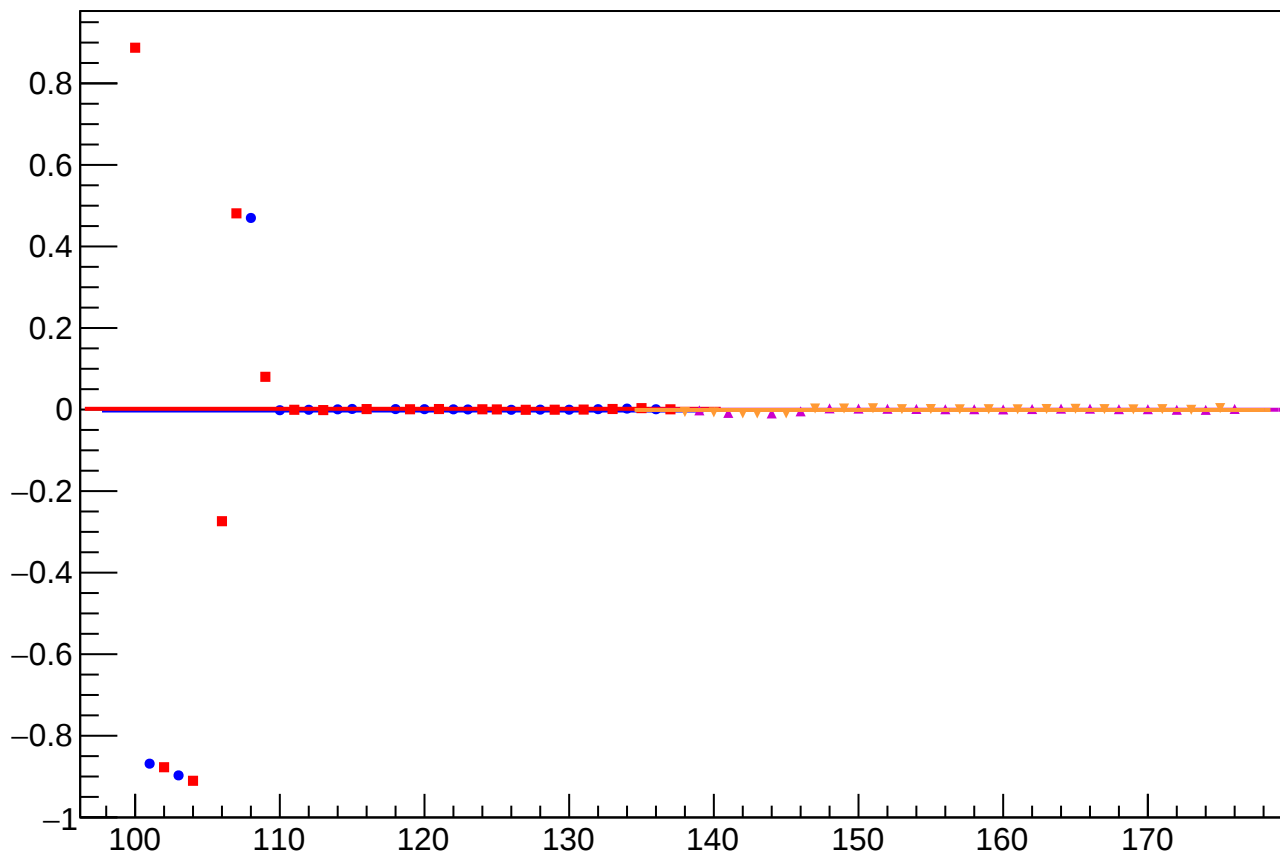
Right: 0.000+/-0.000 χ^2/NDF : 19586090.4/35

In: 0.000+/-0.000 χ^2/NDF :34633713.5/35

Out: 0.000+/-0.000 χ^2/NDF :35177190.1/38

All: 0.000+/-0.000 χ^2/NDF : 69811740.3/74

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 : 101909079.4/19

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

Left In: -0.000+/-0.000 χ^2/NDF : 68778131.2/18

Left: -0.001+/-0.000 χ^2/NDF : 171605188.1/38

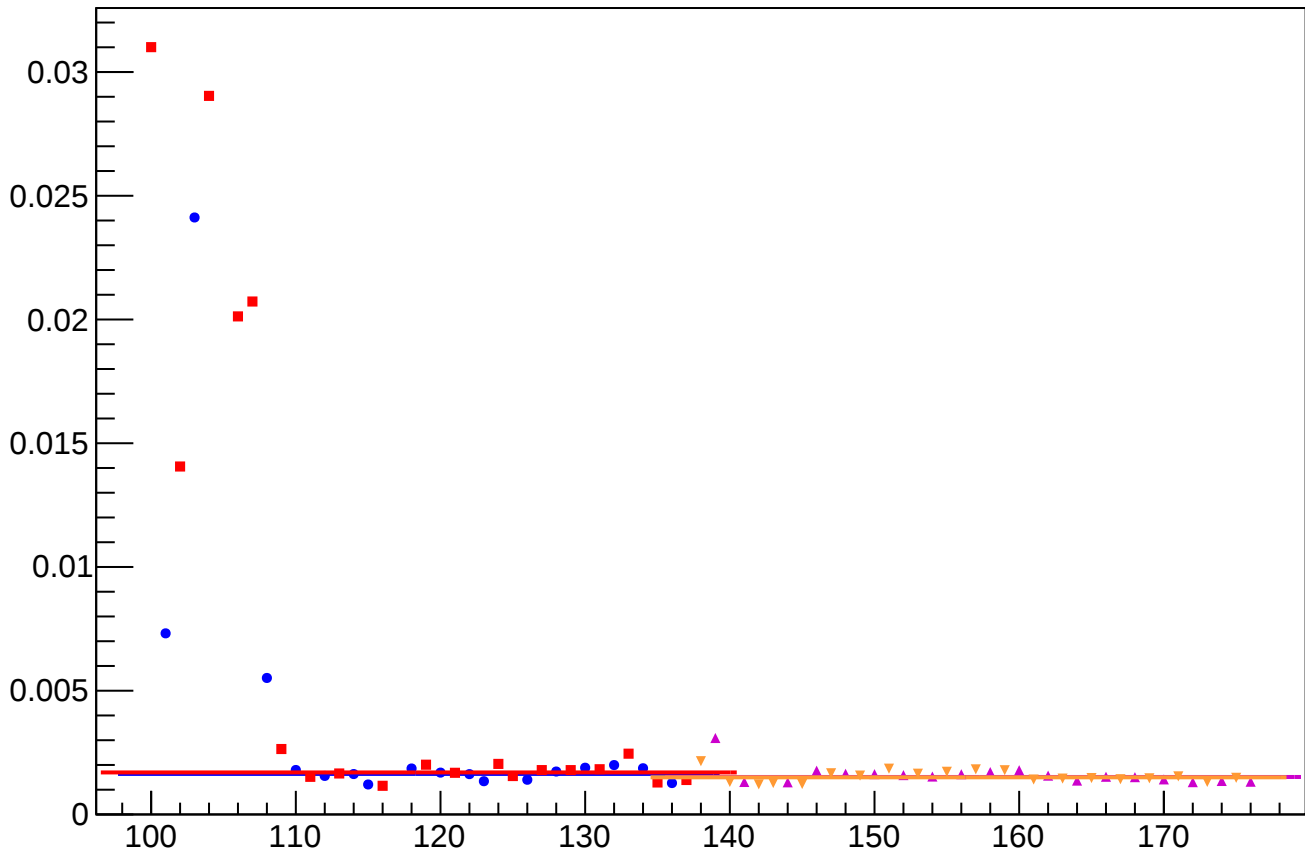
Right: -0.000+/-0.000 χ^2/NDF : 12850350896.6/35

In: -0.001+/-0.000 χ^2/NDF : 9868241621.6/35

Out: -0.000+/-0.000 χ^2/NDF : 3153198857.3/38

All: -0.001+/-0.000 χ^2/NDF : 13022371870.9/78

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:455257.8/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:629574.5/18

Left: 0.002 $\pm$ 0.000 χ^2 /NDF: 1085823.9/38

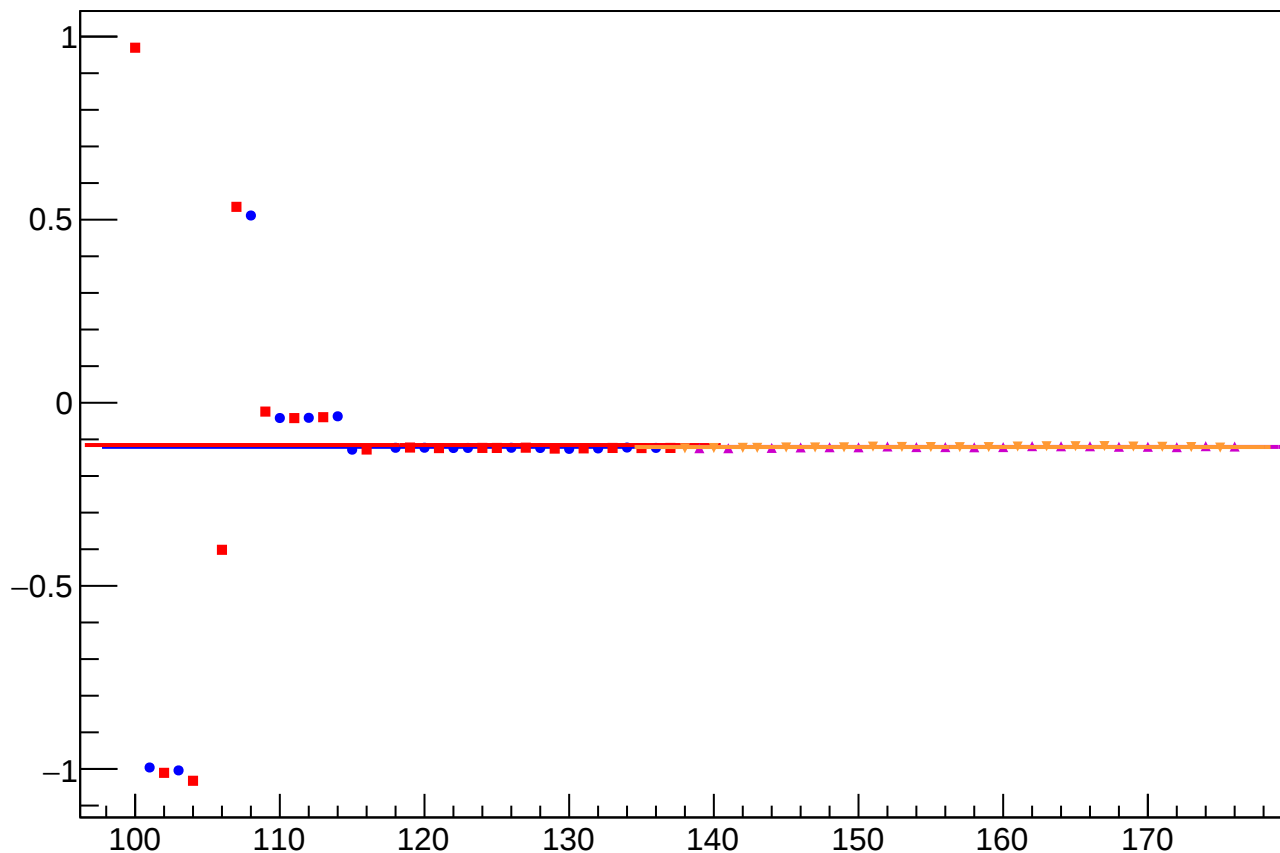
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4945998.5/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF:2584486.6/35

Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3572390.8/38

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6156877.9/74

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 : 34204718.5/19

Right Out: -0.115+/-0.000

χ^2/NDF : 2456843337.8/18

Left In: -0.121+/-0.000

χ^2/NDF : 34886922.8/18

Left: -0.121+/-0.000

χ^2/NDF : 69802553.6/38

Right: -0.118+/-0.000

χ^2/NDF : 6411653427.4/35

In: -0.121+/-0.000

χ^2/NDF : 3967162192.5/35

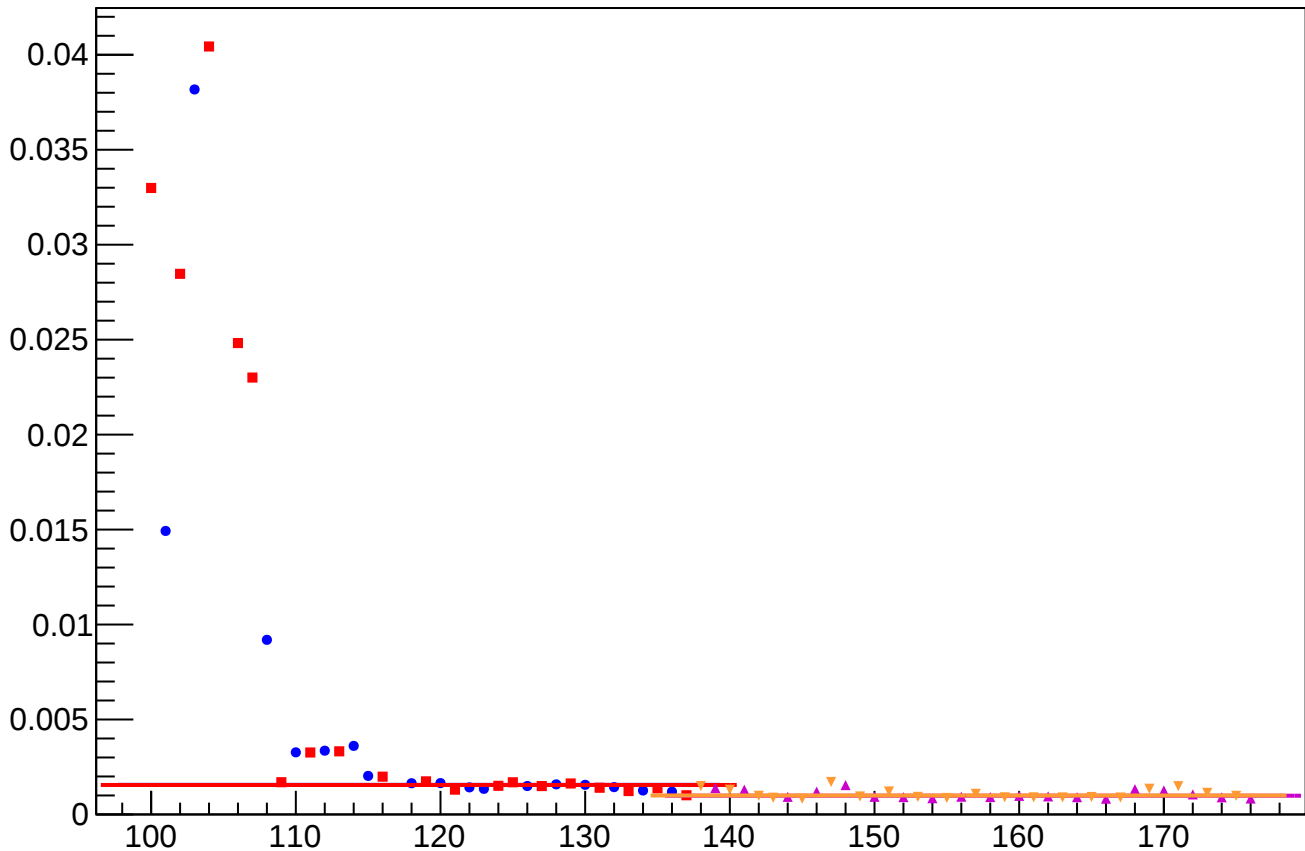
Out: -0.120+/-0.000

χ^2/NDF : 2541482135.5/38

All: -0.120+/-0.000

χ^2/NDF : 6509397910.8/7

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:1034463.2/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:800175.4/18

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 1836673.0/38

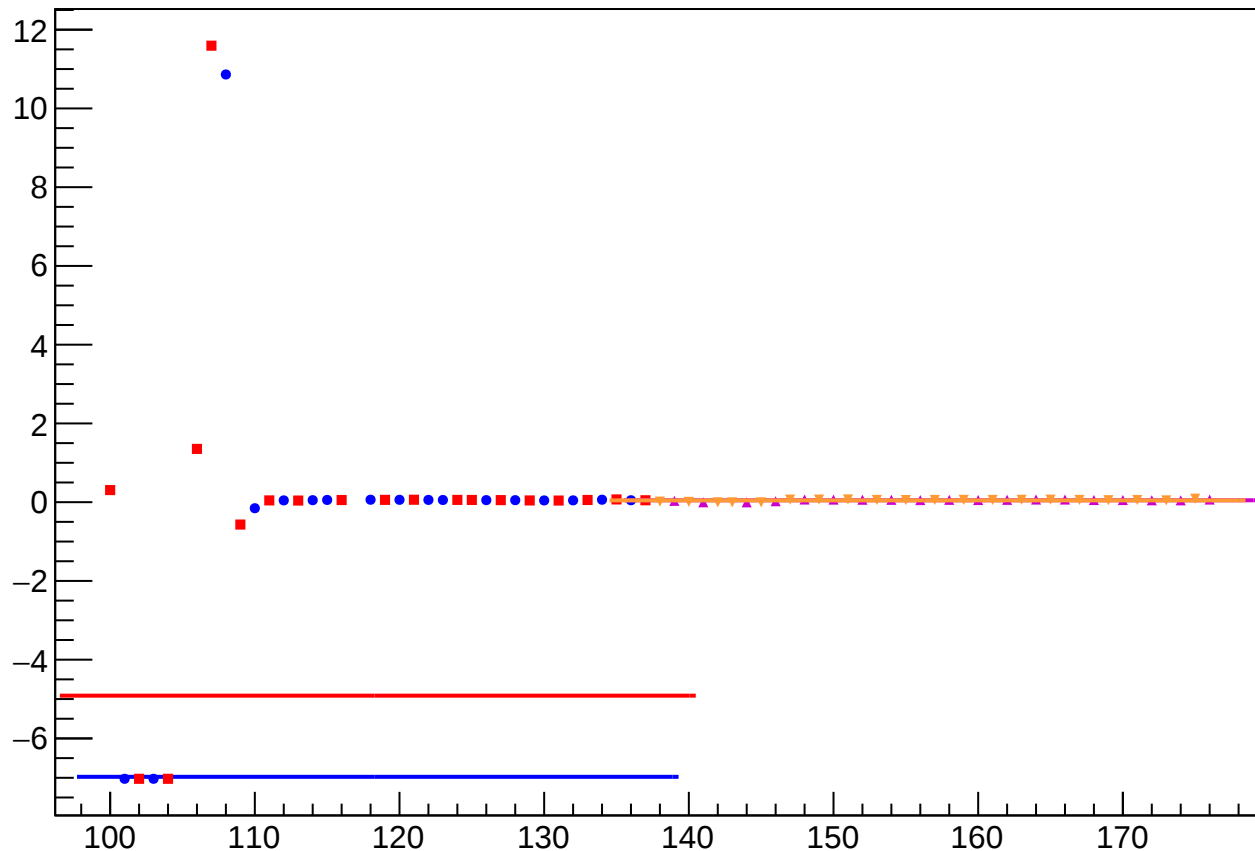
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 6440590.7/35

In: 0.001 $\pm$ 0.000 χ^2 /NDF:4778080.6/35

Out: 0.001 $\pm$ 0.000 χ^2 /NDF:5593400.1/38

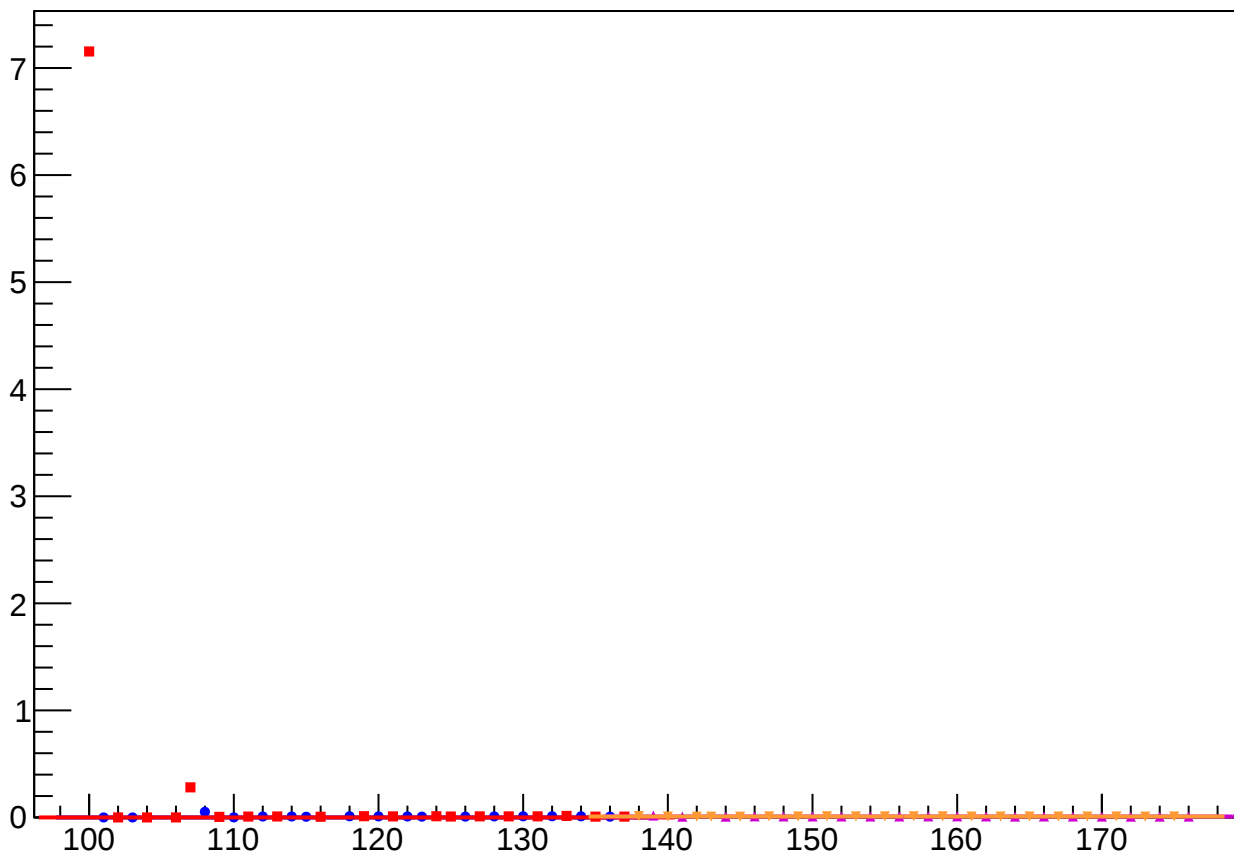
All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10373432.0/74

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8749579700722.8/16$ Left: 0.047 ± 0.000 $\chi^2/\text{NDF}: 191402329.7/38$
 Left Out: 0.046 ± 0.000 $\chi^2/\text{NDF}: 112657908.1/19$ 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: -6.934 ± 0.000 $\chi^2/\text{NDF}: 16039074752172.7/35$
 Left In: 0.048 ± 0.000 $\chi^2/\text{NDF}: 78148153.9/18$ Out: -4.886 ± 0.000 $\chi^2/\text{NDF}: 369127212640785.5/18$
 All: -5.866 ± 0.000 $\chi^2/\text{NDF}: 4409528702201.0/16$

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 : 453164.1/19

Right Out: 0.000 +/- 0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009 +/- 0.000 χ^2/NDF : 625011.5/18

Left: 0.009 +/- 0.000 χ^2/NDF : 1079128.9/38

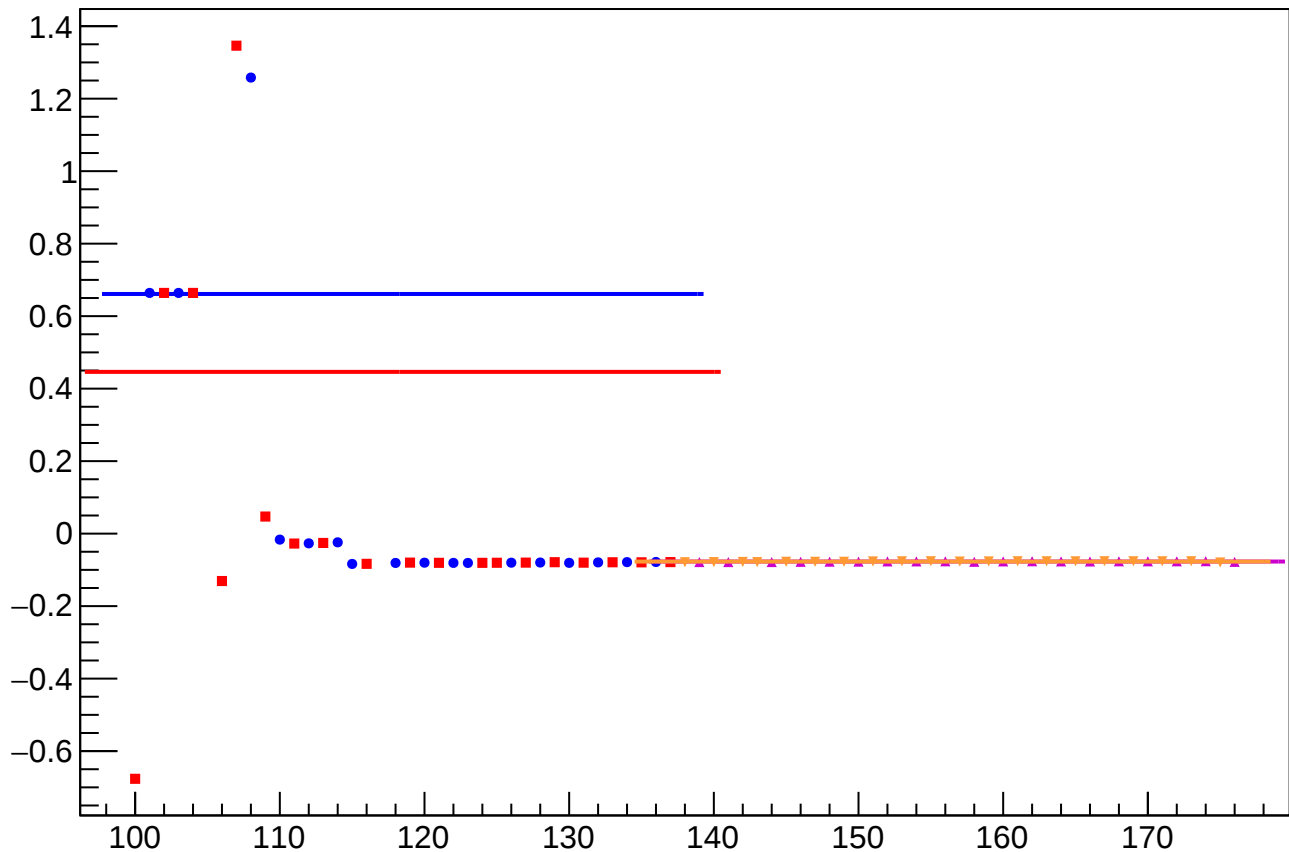
Right: 0.000 +/- 0.000 χ^2/NDF : 17018999.2/35

In: 0.000 +/- 0.000 χ^2/NDF : 31538921.9/35

Out: 0.000 +/- 0.000 χ^2/NDF : 32332504.1/38

All: 0.000 +/- 0.000 χ^2/NDF : 63872457.4/74

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000

χ^2/NDF : 5607525081216.0/16

Left Out: -0.077+/-0.000

χ^2/NDF : 51014230.7/19

Right Out: 0.446+/-0.000

χ^2/NDF : 405416924315199.0/18

Left In: -0.077+/-0.000

χ^2/NDF : 28892196.8/18

Left: -0.077+/-0.000

χ^2/NDF : 80071112.9/38

Right: 0.549+/-0.000

χ^2/NDF : 473947475230218.3/38

In: 0.649+/-0.000

χ^2/NDF : 29502375315412.9/35

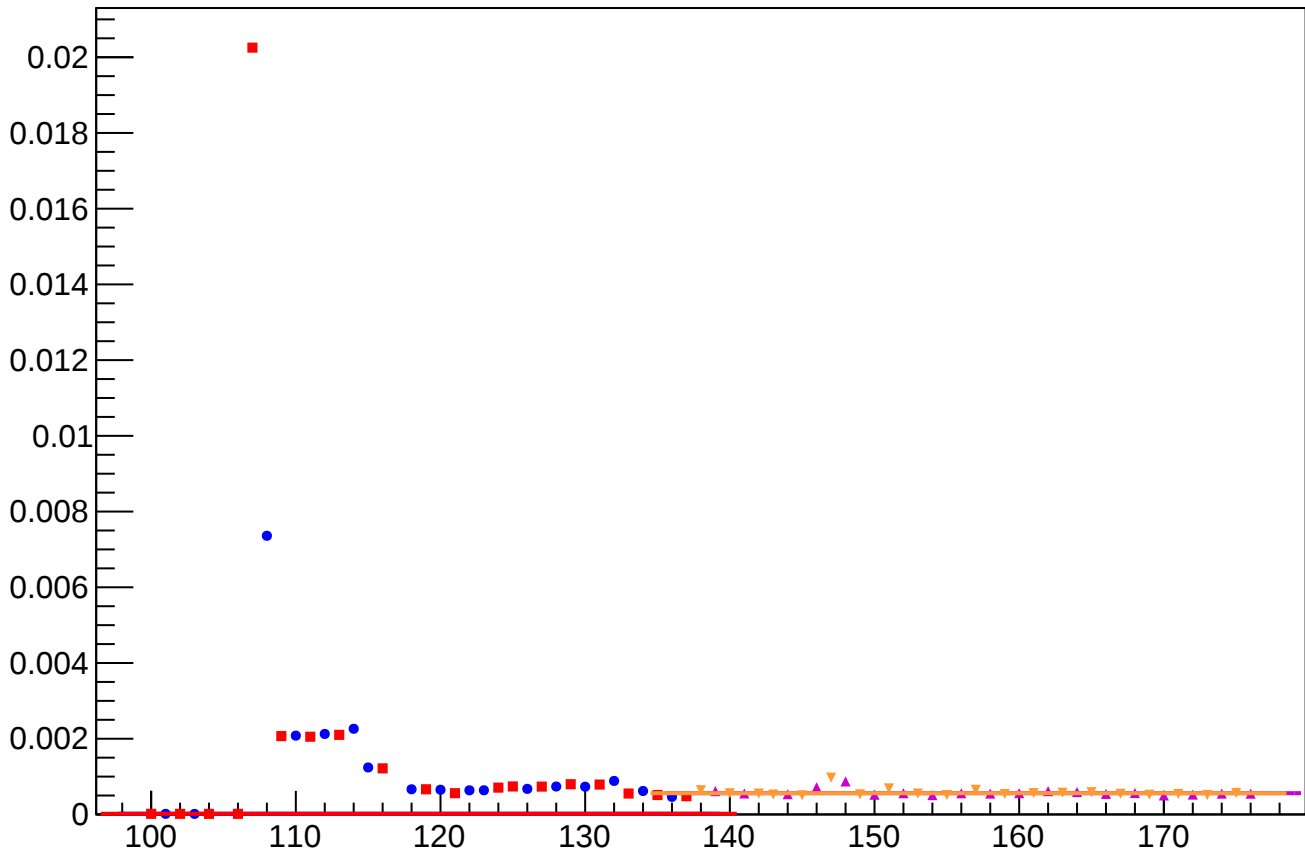
Out: 0.438+/-0.000

χ^2/NDF : 417643062268542.9/35

All: 0.539+/-0.000

χ^2/NDF : 50861498867475.0/38

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 : 439819.5/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

Left In: 0.001+/-0.000 χ^2/NDF : 353184.4/18

Left: 0.001+/-0.000 χ^2/NDF : 793017.2/38

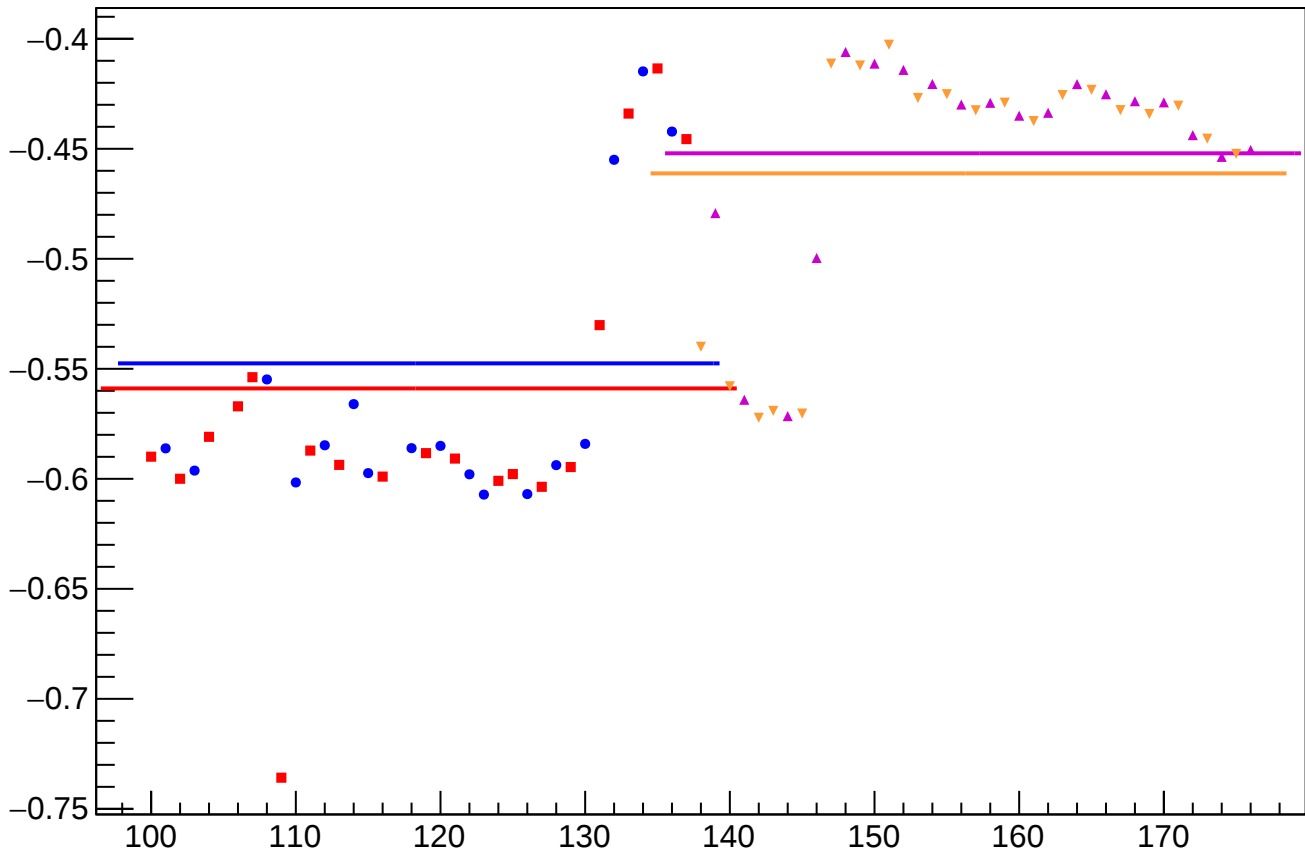
Right: 0.000+/-0.000 χ^2/NDF : 19354868.6/35

In: 0.000+/-0.000 χ^2/NDF : 36173081.1/35

Out: 0.000+/-0.000 χ^2/NDF : 36284855.4/38

All: 0.000+/-0.000 χ^2/NDF : 72459302.2/74

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548 $\pm$ 0.000 χ^2 /NDF: 48545285.9/16

Left Out: -0.461 $\pm$ 0.000 χ^2 /NDF: 106695279.8/19

Right Out: -0.559 $\pm$ 0.000 χ^2 /NDF: 65330923.3/18

Left In: -0.452 $\pm$ 0.000 χ^2 /NDF: 75258619.6/18

Left: -0.457 $\pm$ 0.000 χ^2 /NDF: 183235148.6/38

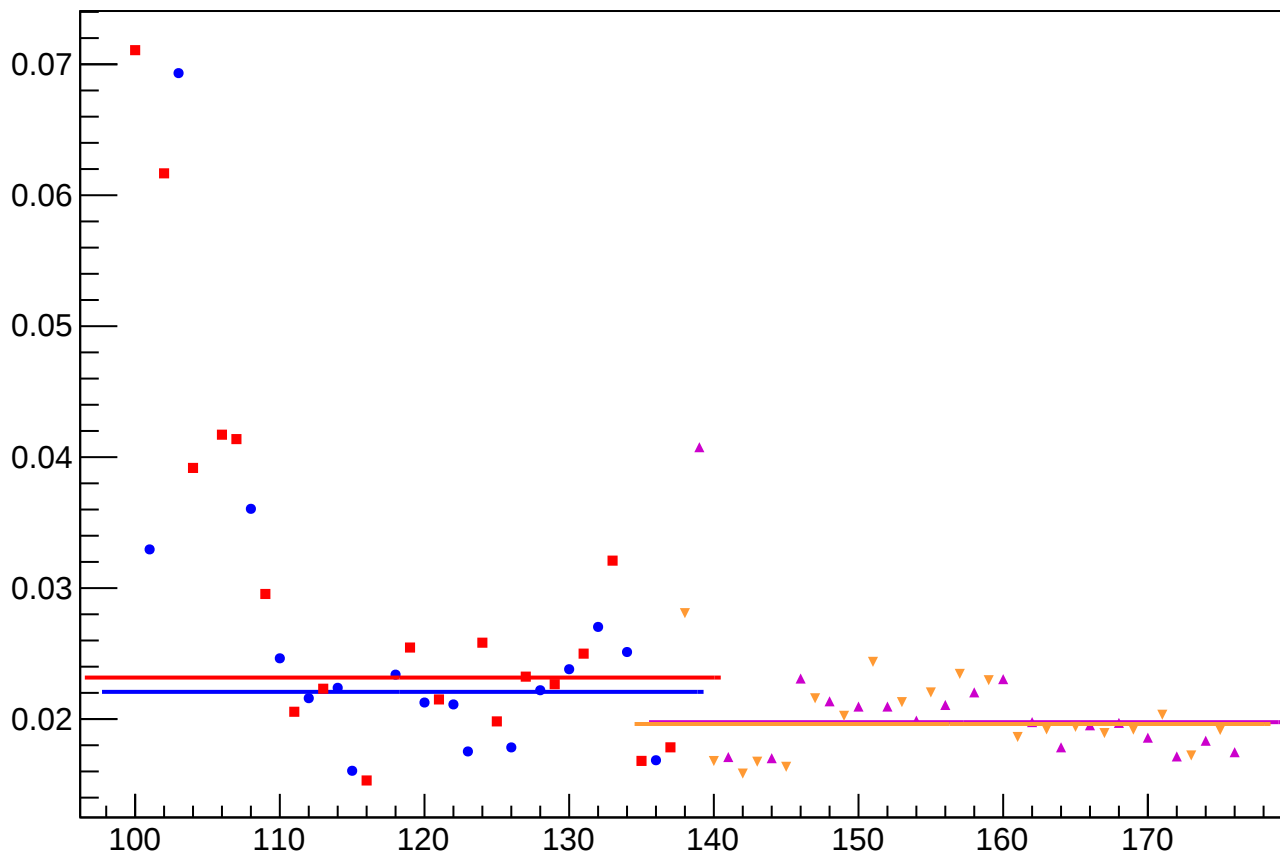
Right: -0.553 $\pm$ 0.000 χ^2 /NDF: 114532950.1/35

In: -0.476 $\pm$ 0.000 χ^2 /NDF: 194121582.4/35

Out: -0.485 $\pm$ 0.000 χ^2 /NDF: 243917019.8/38

All: -0.481 $\pm$ 0.000 χ^2 /NDF: 439461494.7/74

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 424890.8/19

Right Out: 0.023+/-0.000 χ^2/NDF : 1156758.3/18

Left In: 0.020+/-0.000 χ^2/NDF : 605012.4/18

Left: 0.020+/-0.000 χ^2/NDF : 1030505.4/38

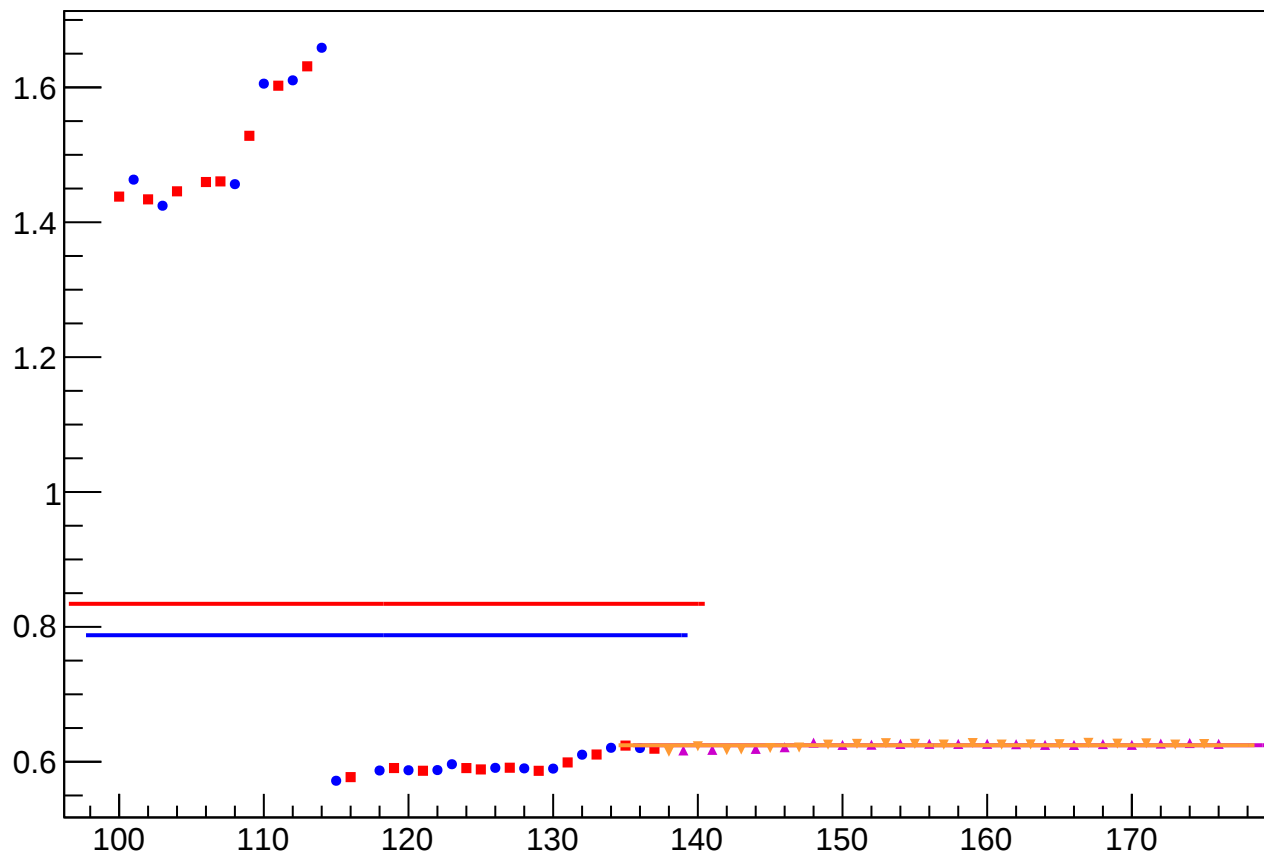
Right: 0.023+/-0.000 χ^2/NDF : 2123609.7/35

In: 0.020+/-0.000 χ^2/NDF : 1642427.3/35

Out: 0.020+/-0.000 χ^2/NDF : 1770917.2/38

All: 0.020+/-0.000 χ^2/NDF : 3413977.8/74

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:1258088.1/19

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:1049770.3/18

Left: 0.624 $\pm$ 0.000 χ^2 /NDF: 2307896.2/38

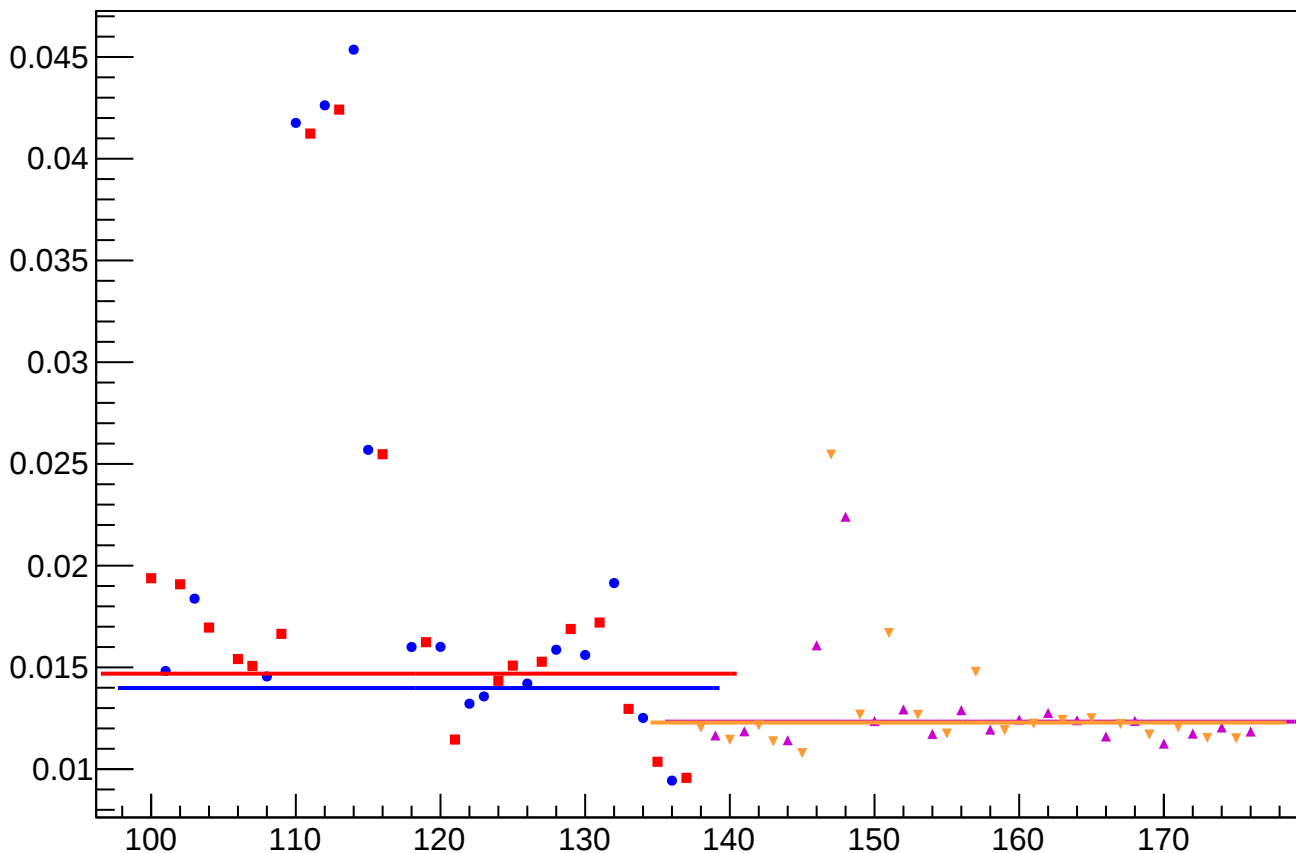
Right: 0.811 $\pm$ 0.000 χ^2 /NDF: 7764167044.9/35

In: 0.663 $\pm$ 0.000 χ^2 /NDF:4166955882.0/35

Out: 0.672 $\pm$ 0.000 χ^2 /NDF:5100201413.4/38

All: 0.667 $\pm$ 0.000 χ^2 /NDF: 9272184588.3/74

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 : 612552.6/19

Right Out: 0.015+/-0.000 χ^2/NDF : 1258511.3/18

Left In: 0.012+/-0.000 χ^2/NDF : 444084.0/18

Left: 0.012+/-0.000 χ^2/NDF : 1056816.1/38

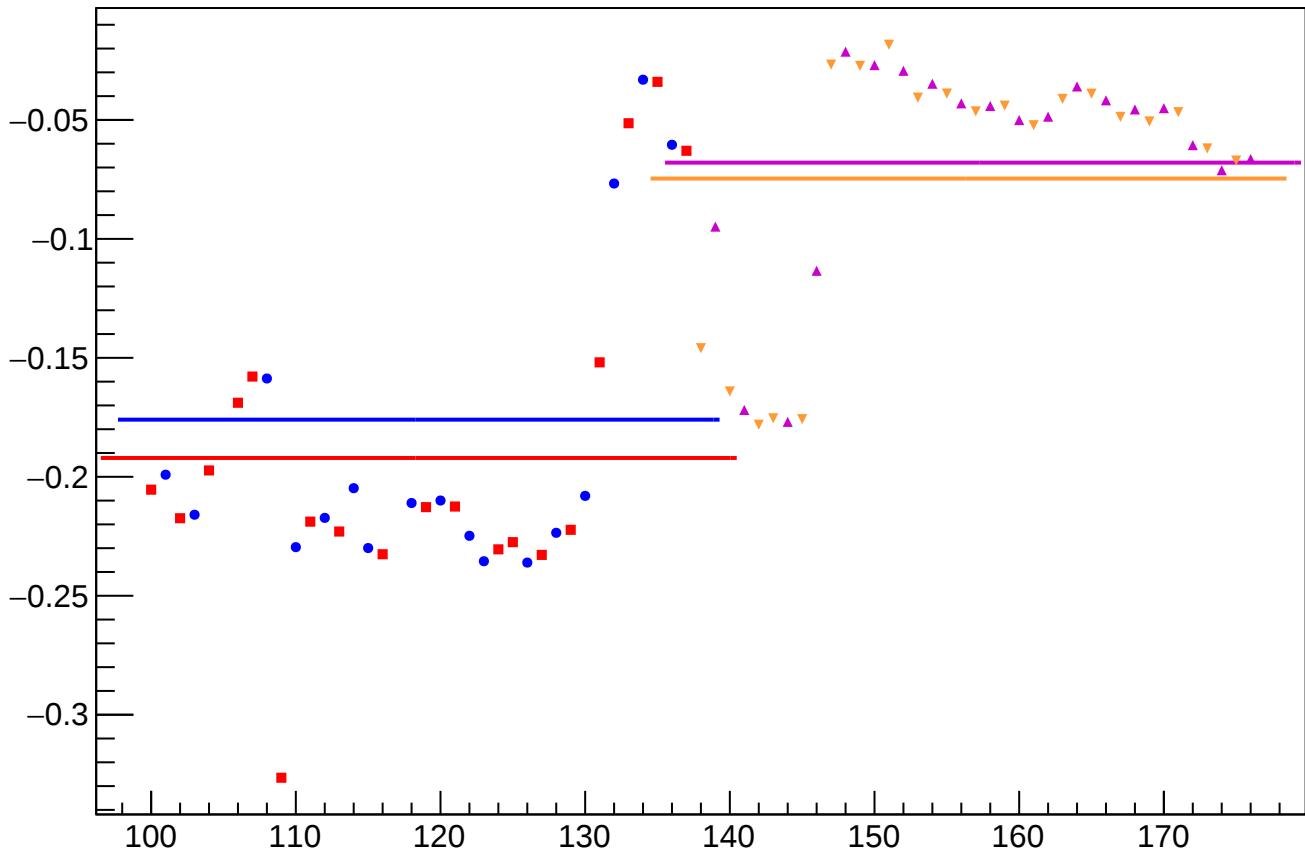
Right: 0.014+/-0.000 χ^2/NDF : 2671110.0/35

In: 0.013+/-0.000 χ^2/NDF : 1962511.3/35

Out: 0.013+/-0.000 χ^2/NDF : 2119451.6/38

All: 0.013+/-0.000 χ^2/NDF : 4083480.1/74

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.075+/-0.000 χ^2/NDF : 101496890.9/19

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

Left In: -0.068+/-0.000 χ^2/NDF : 75641970.5/18

Left: -0.071+/-0.000 χ^2/NDF : 177875898.9/38

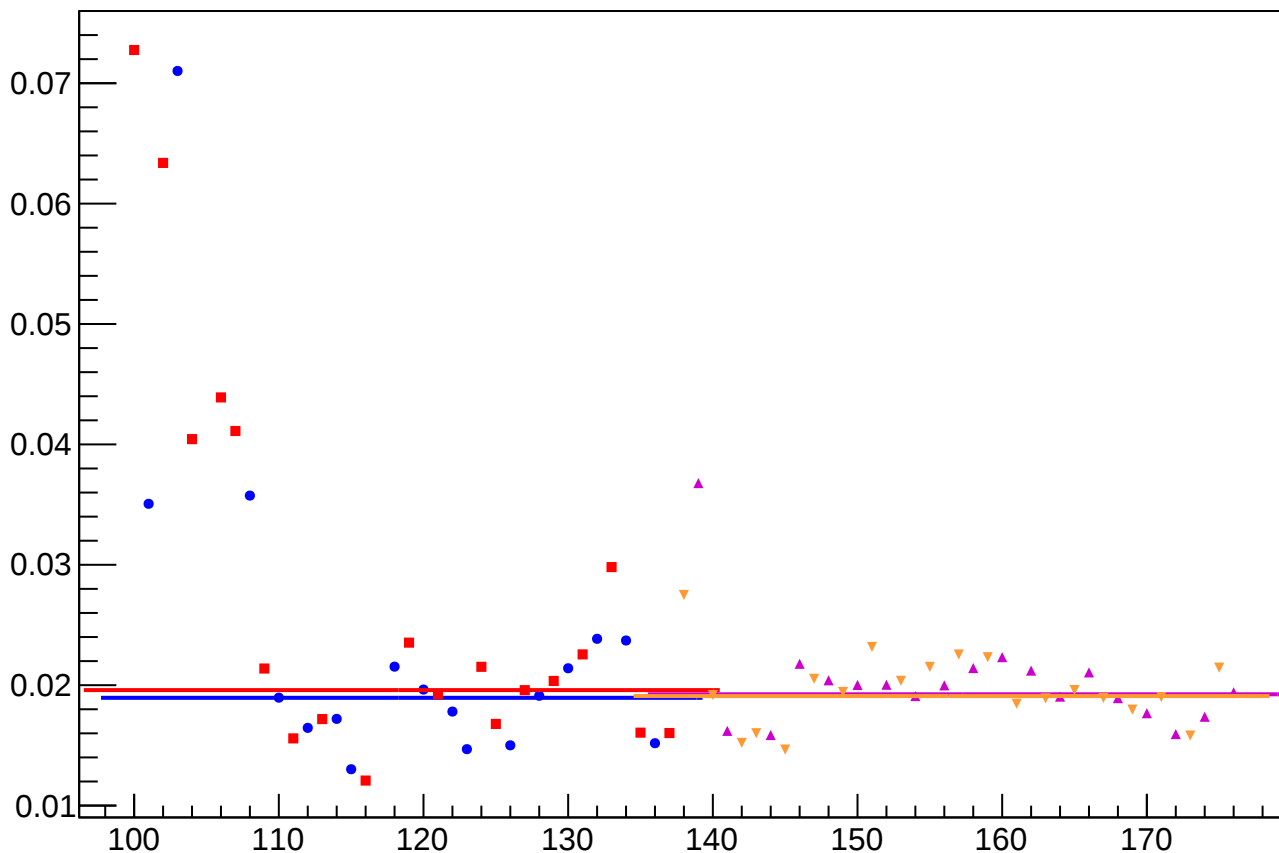
Right: -0.184+/-0.000 χ^2/NDF : 155143425.4/35

In: -0.100+/-0.000 χ^2/NDF : 258533373.9/35

Out: -0.108+/-0.000 χ^2/NDF : 317413524.5/38

All: -0.104+/-0.000 χ^2/NDF : 577520372.1/74

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 : 495136.4/19

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

Left In: 0.019+/-0.000 χ^2/NDF : 588389.5/18

Left: 0.019+/-0.000 χ^2/NDF : 1084239.5/38

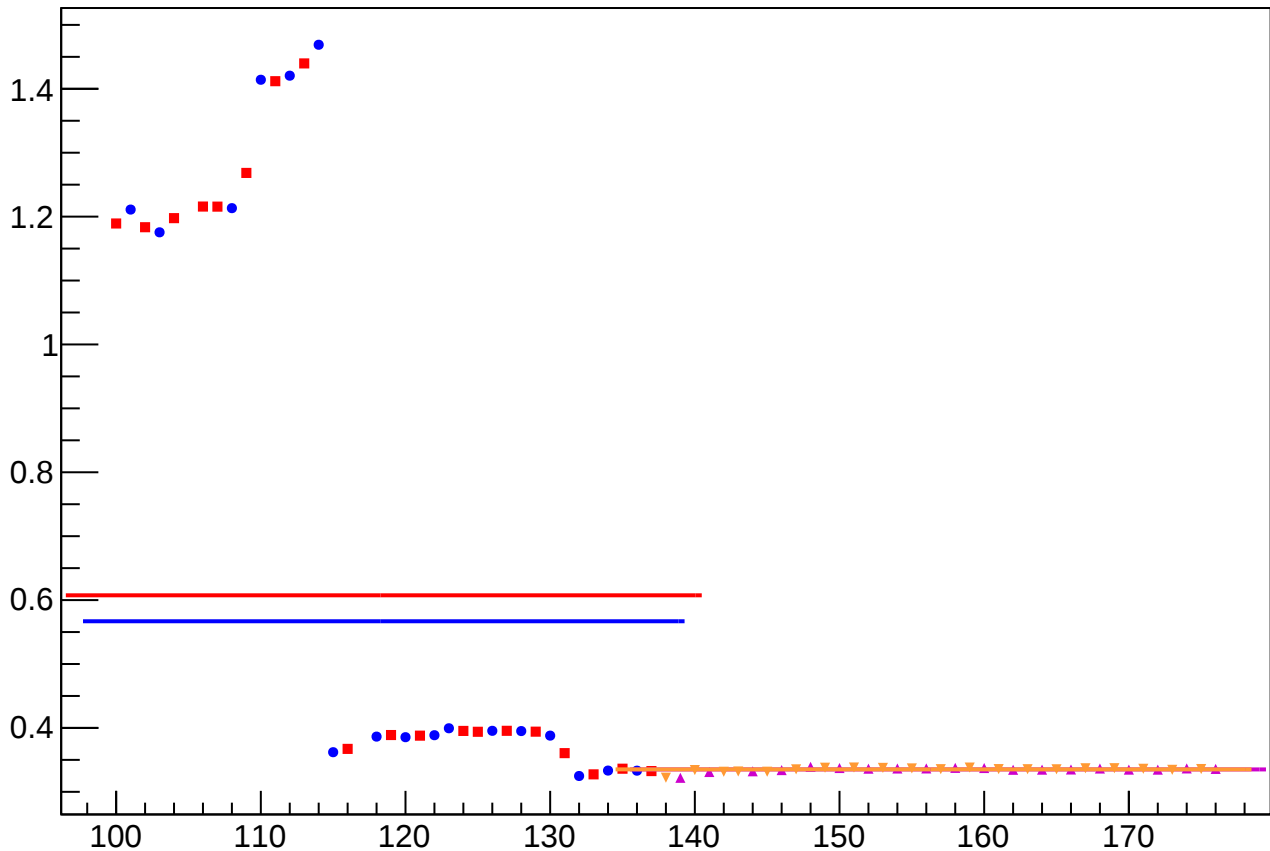
Right: 0.019+/-0.000 χ^2/NDF : 2664188.0/35

In: 0.019+/-0.000 χ^2/NDF : 1793300.2/35

Out: 0.019+/-0.000 χ^2/NDF : 1955203.4/38

All: 0.019+/-0.000 χ^2/NDF : 3748819.0/74

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1135647.2/19

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1191216.8/18

Left: 0.335 $\pm$ 0.000 χ^2 /NDF: 2327230.3/38

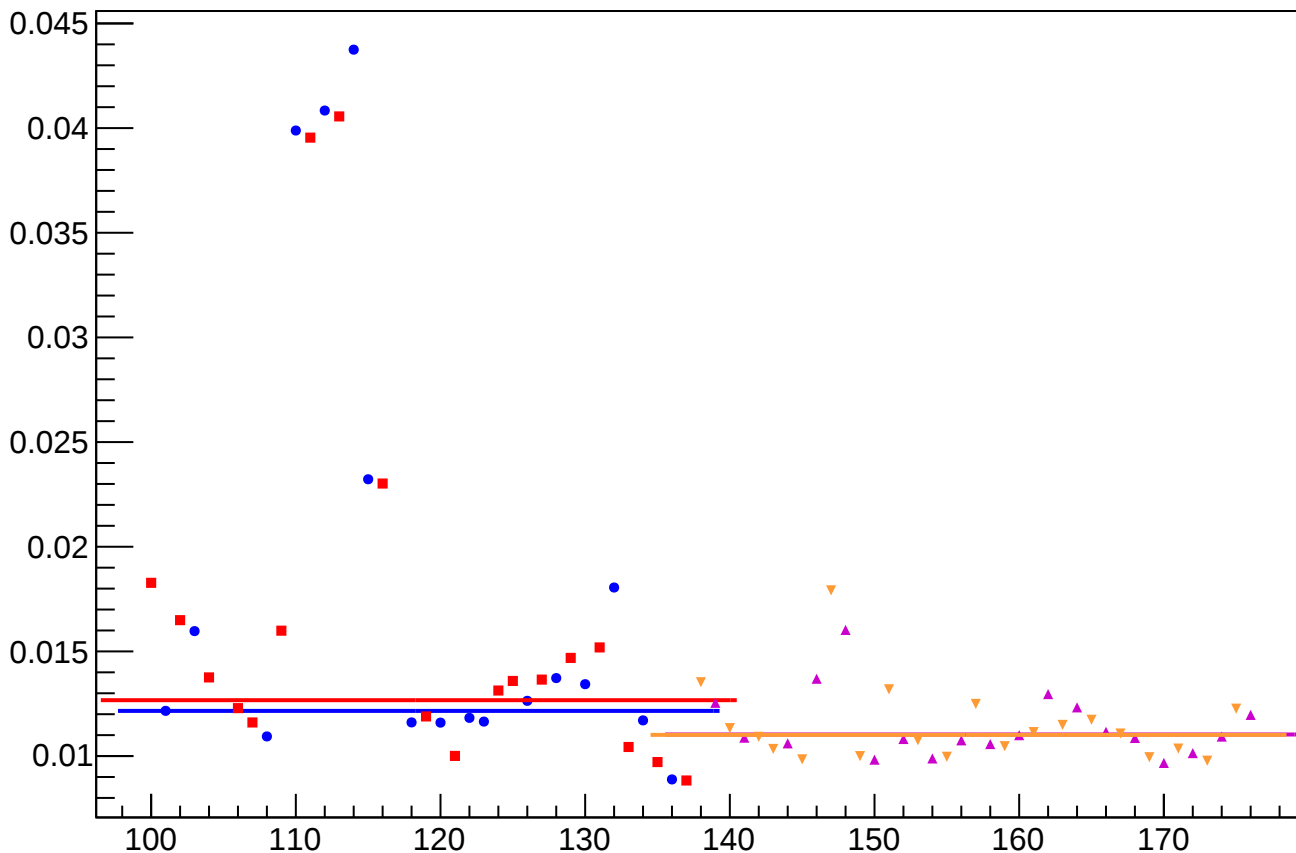
Right: 0.587 $\pm$ 0.000 χ^2 /NDF: 10552855690.4/35

In: 0.392 $\pm$ 0.000 χ^2 /NDF:6552283674.0/35

Out: 0.400 $\pm$ 0.000 χ^2 /NDF:7580817465.2/38

All: 0.396 $\pm$ 0.000 χ^2 /NDF: 14137370055.4/73

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:468663.1/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:377296.4/18

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 845996.8/38

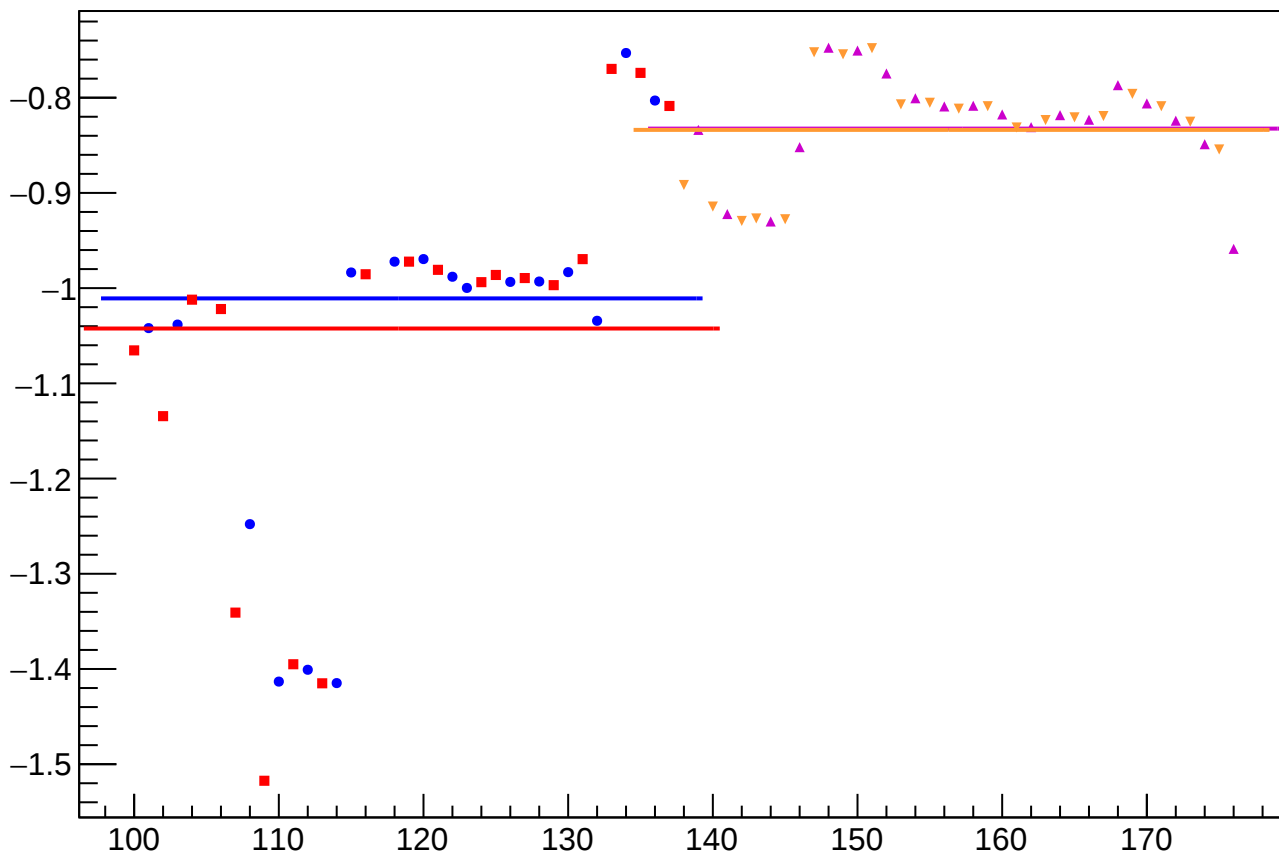
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2584926.4/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:1757744.6/35

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1889358.7/38

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3648547.5/74

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.834+/-0.000 χ^2/NDF : 98622685.0/19

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

Left In: -0.832+/-0.000 χ^2/NDF : 107809643.7/18

Left: -0.833+/-0.000 χ^2/NDF : 206461272.8/38

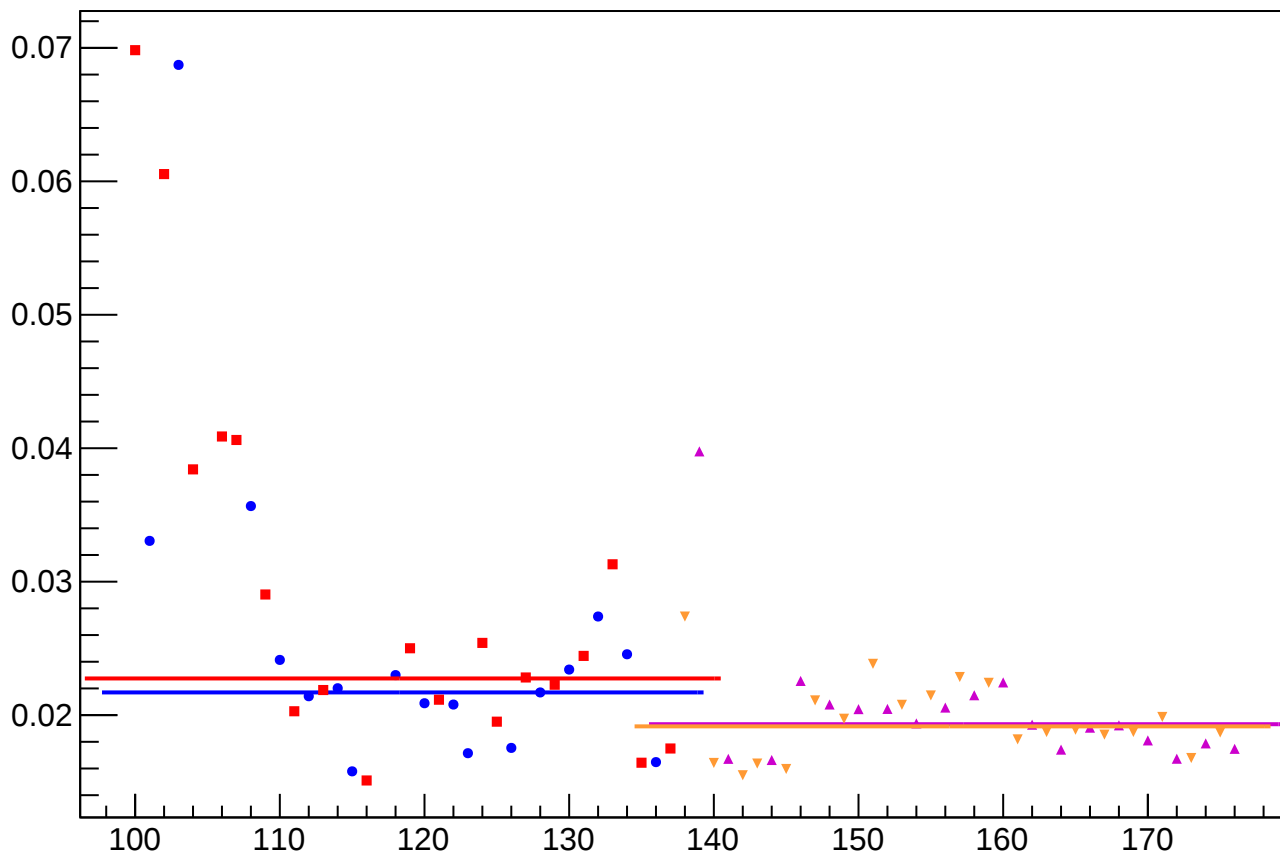
Right: -1.026+/-0.000 χ^2/NDF : 921337924.7/35

In: -0.877+/-0.000 χ^2/NDF : 749220784.5/35

Out: -0.883+/-0.000 χ^2/NDF : 967741149.0/38

All: -0.880+/-0.000 χ^2/NDF : 1717748269.7/77

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 : 423478.3/19

Right Out: 0.023 ± 0.000 χ^2/NDF : 1152332.6/18

Left In: 0.019 ± 0.000 χ^2/NDF : 594839.4/18

Left: 0.019 ± 0.000 χ^2/NDF : 1019164.4/38

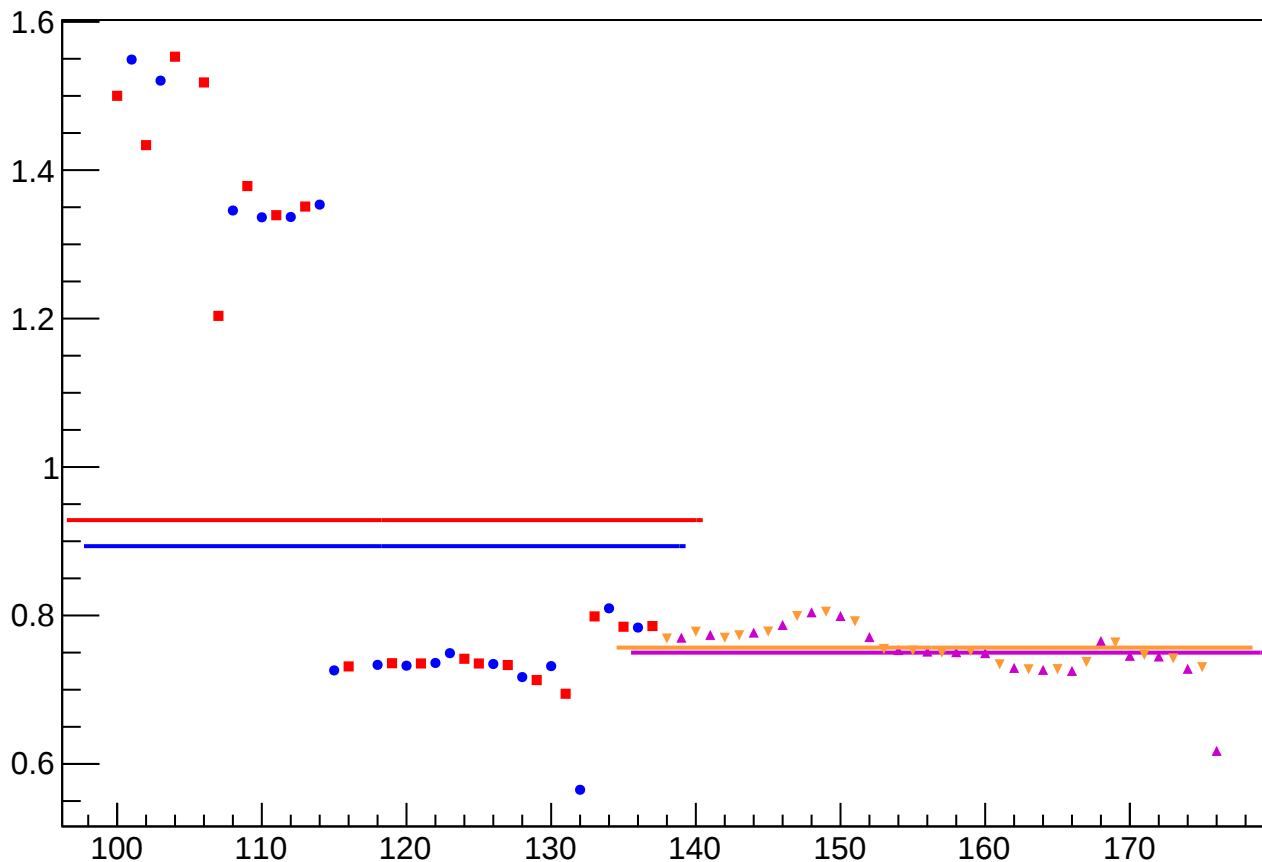
Right: 0.022 ± 0.000 χ^2/NDF : 2143091.8/35

In: 0.020 ± 0.000 χ^2/NDF : 1664871.3/35

Out: 0.020 ± 0.000 χ^2/NDF : 1777324.6/38

All: 0.020 ± 0.000 χ^2/NDF : 3442562.0/74

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893 $\pm$ 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.757 $\pm$ 0.000 χ^2/NDF :43553940.8/19

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2435640156.0/18

Left In: 0.750 $\pm$ 0.000 χ^2/NDF :128454656.3/18

Left: 0.753 $\pm$ 0.000 χ^2/NDF : 174169404.5/38

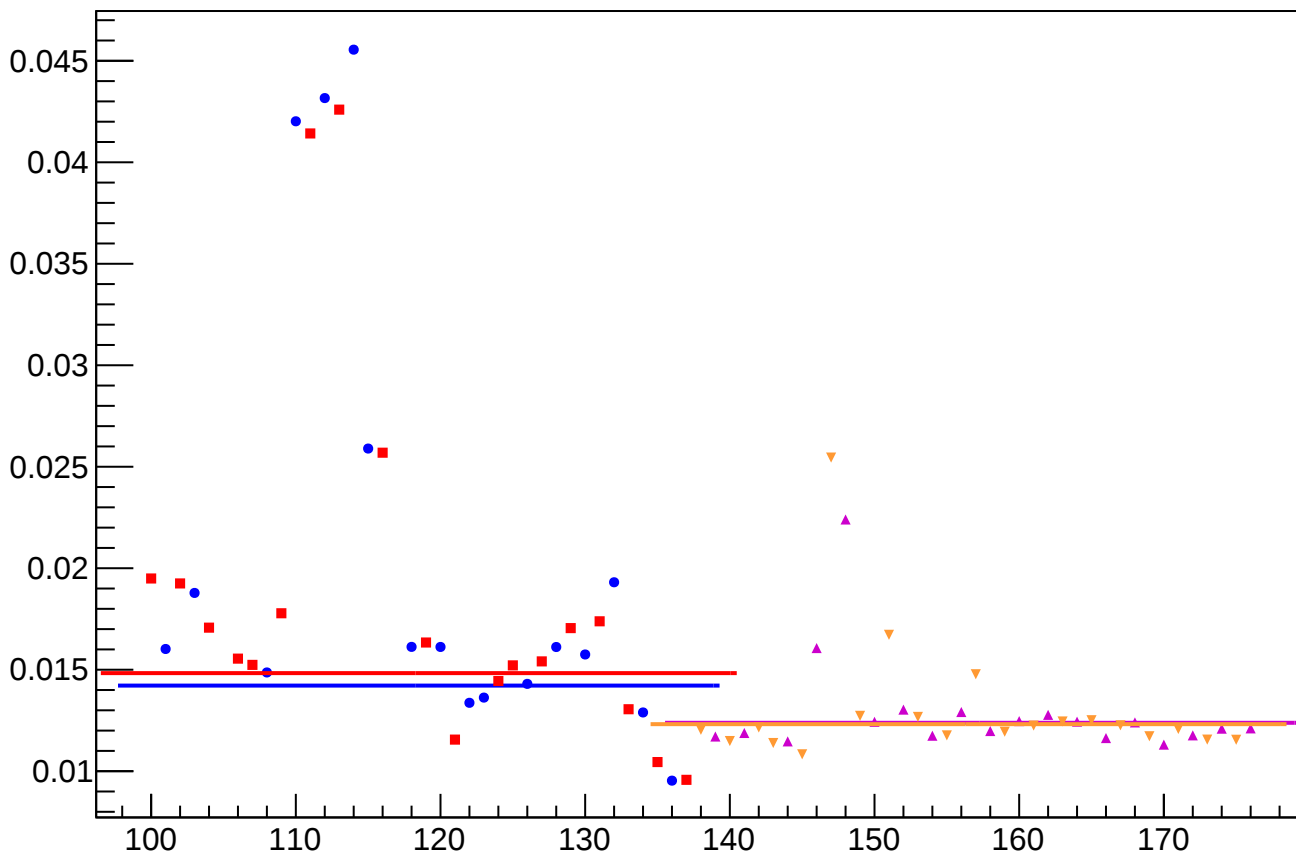
Right: 0.911 $\pm$ 0.000 χ^2/NDF : 4860512064.2/35

In: 0.783 $\pm$ 0.000 χ^2/NDF :2974272480.2/35

Out: 0.795 $\pm$ 0.000 χ^2/NDF :3101973495.5/38

All: 0.789 $\pm$ 0.000 χ^2/NDF : 6085117183.8/74

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 : 607777.6/19

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1269559.2/18

Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 437661.2/18

Left: 0.012 $\pm$ 0.000 χ^2/NDF : 1045865.9/38

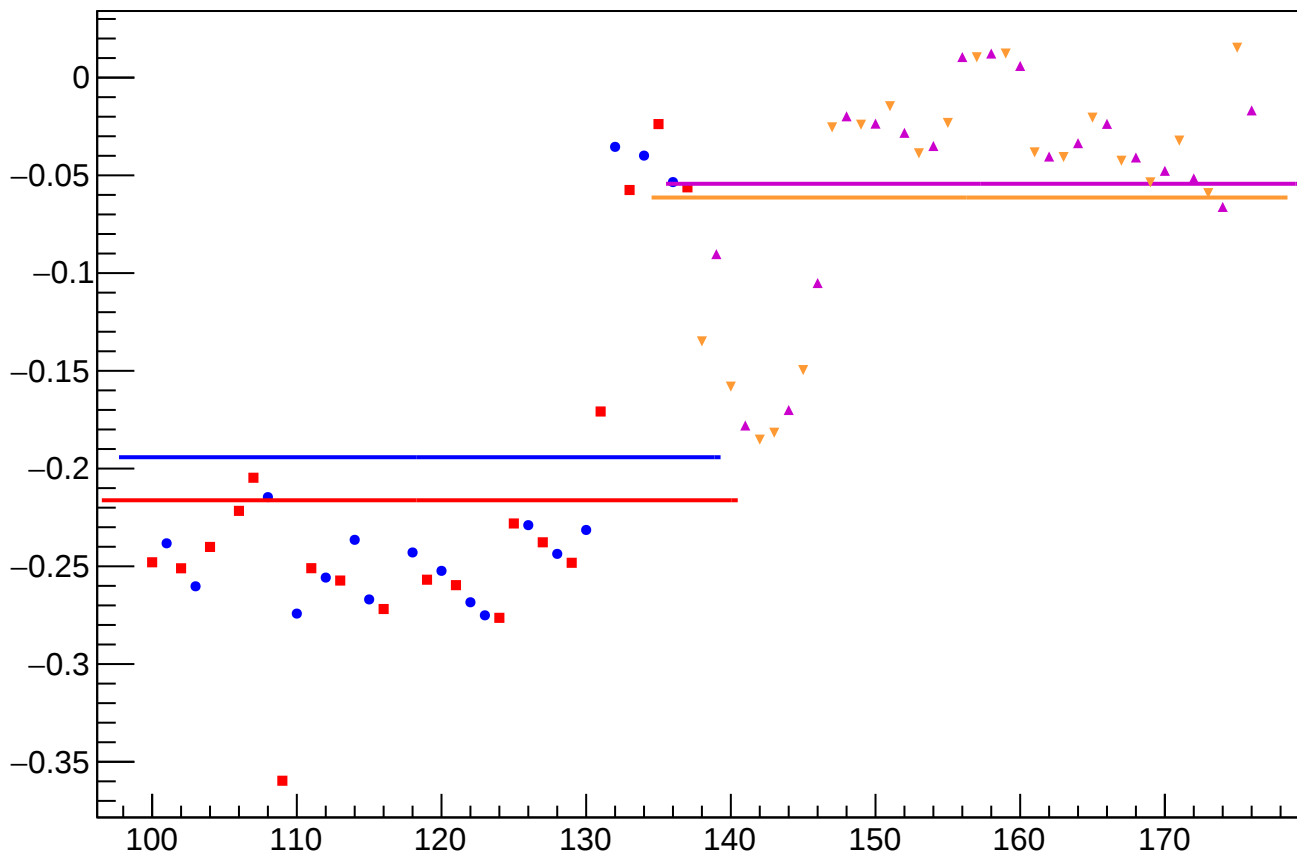
Right: 0.015 $\pm$ 0.000 χ^2/NDF : 2689500.8/35

In: 0.013 $\pm$ 0.000 χ^2/NDF : 1990197.4/35

Out: 0.013 $\pm$ 0.000 χ^2/NDF : 2144478.9/38

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4135301.9/74

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.061+/-0.000 χ^2/NDF :126441670.9/19

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

Left In: -0.054+/-0.000 χ^2/NDF :100637484.5/18

Left: -0.058+/-0.000 χ^2/NDF : 227896983.8/38

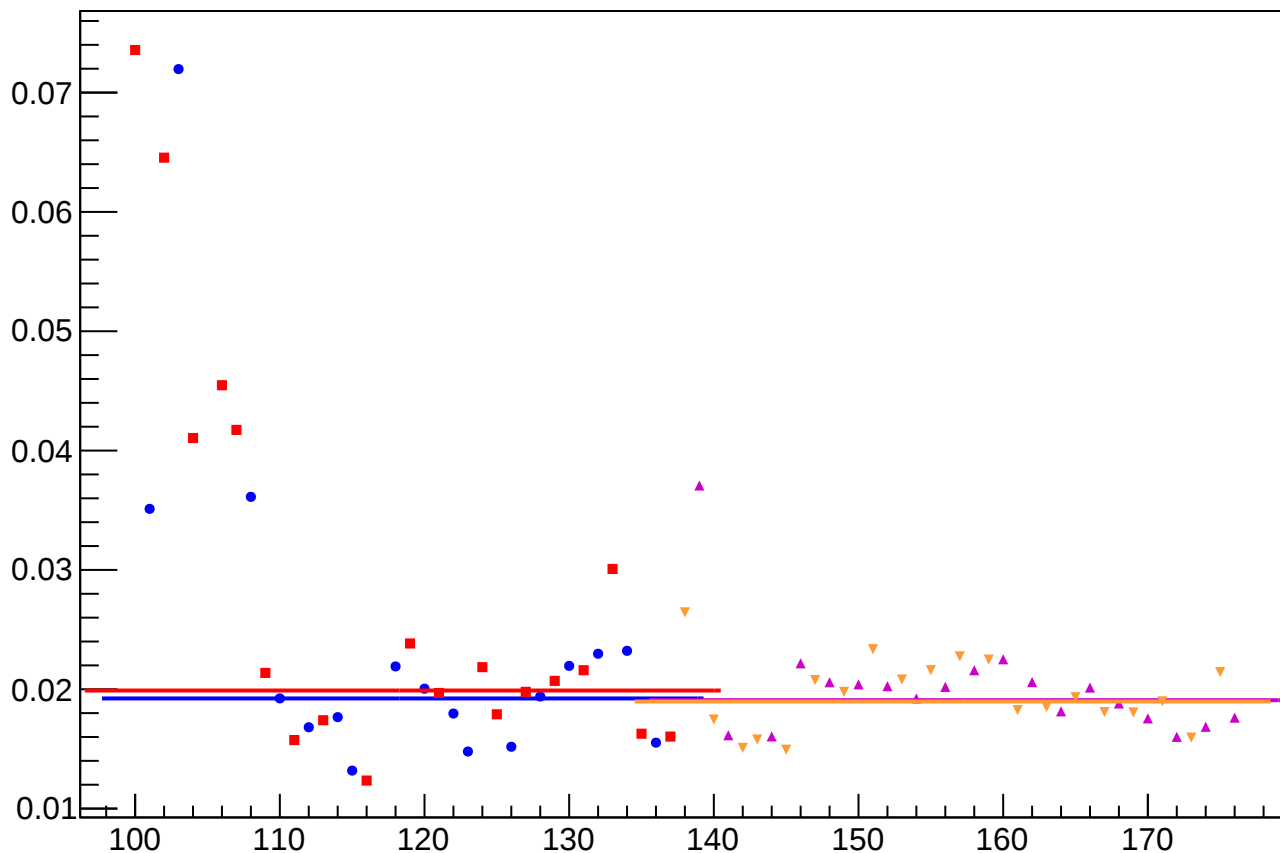
Right: -0.205+/-0.000 χ^2/NDF : 222671892.3/35

In: -0.095+/-0.000 χ^2/NDF :394936403.9/35

Out: -0.105+/-0.000 χ^2/NDF :463195183.1/38

All: -0.100+/-0.000 χ^2/NDF : 860311166.8/74

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 : 492316.6/19

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

Left In: 0.019+/-0.000 χ^2/NDF : 616110.8/18

Left: 0.019+/-0.000 χ^2/NDF : 1108843.0/38

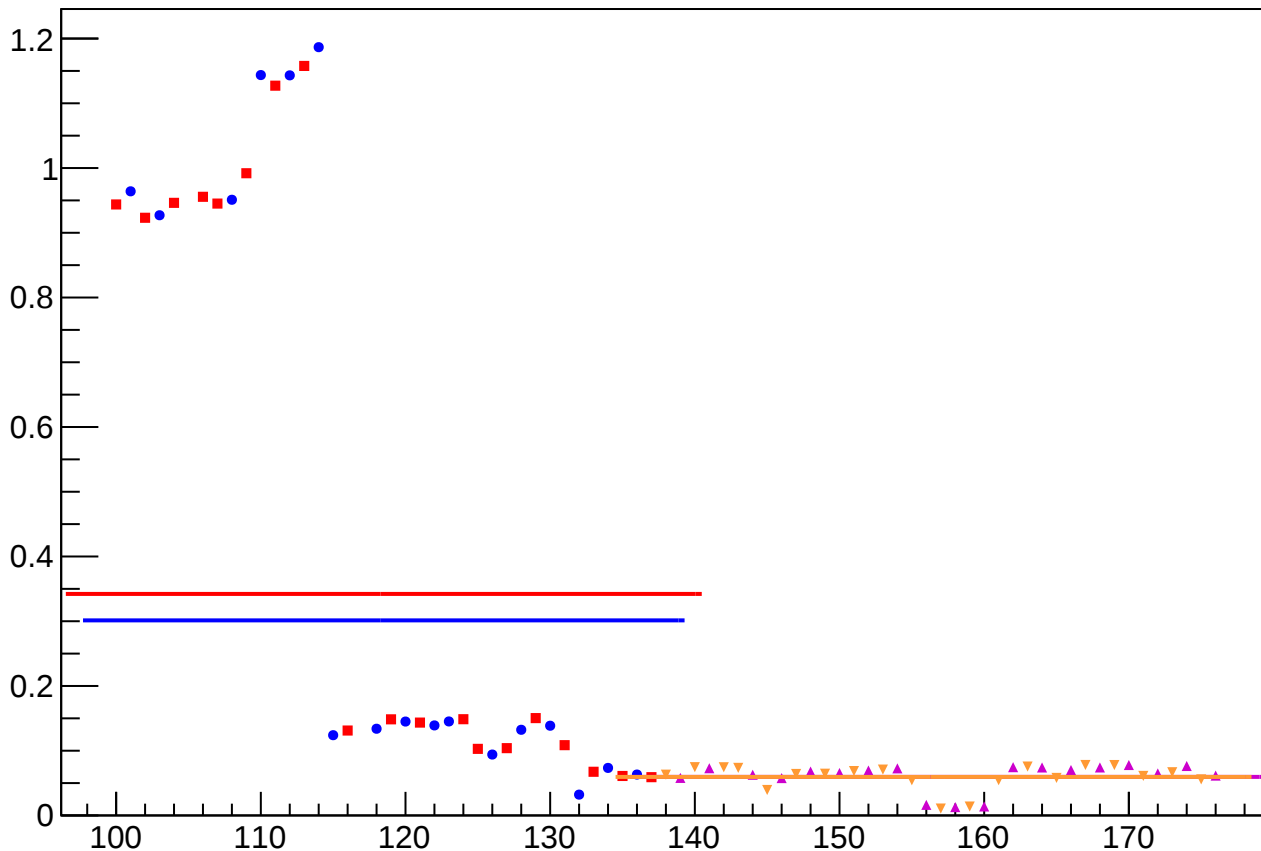
Right: 0.020+/-0.000 χ^2/NDF : 2624881.7/35

In: 0.019+/-0.000 χ^2/NDF : 1791089.5/35

Out: 0.019+/-0.000 χ^2/NDF : 1952790.8/38

All: 0.019+/-0.000 χ^2/NDF : 3744383.0/74

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.060+/-0.000 χ^2/NDF : 44001543.3/19

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

Left In: 0.060+/-0.000 χ^2/NDF : 57327505.2/18

Left: 0.060+/-0.000 χ^2/NDF : 101329222.0/38

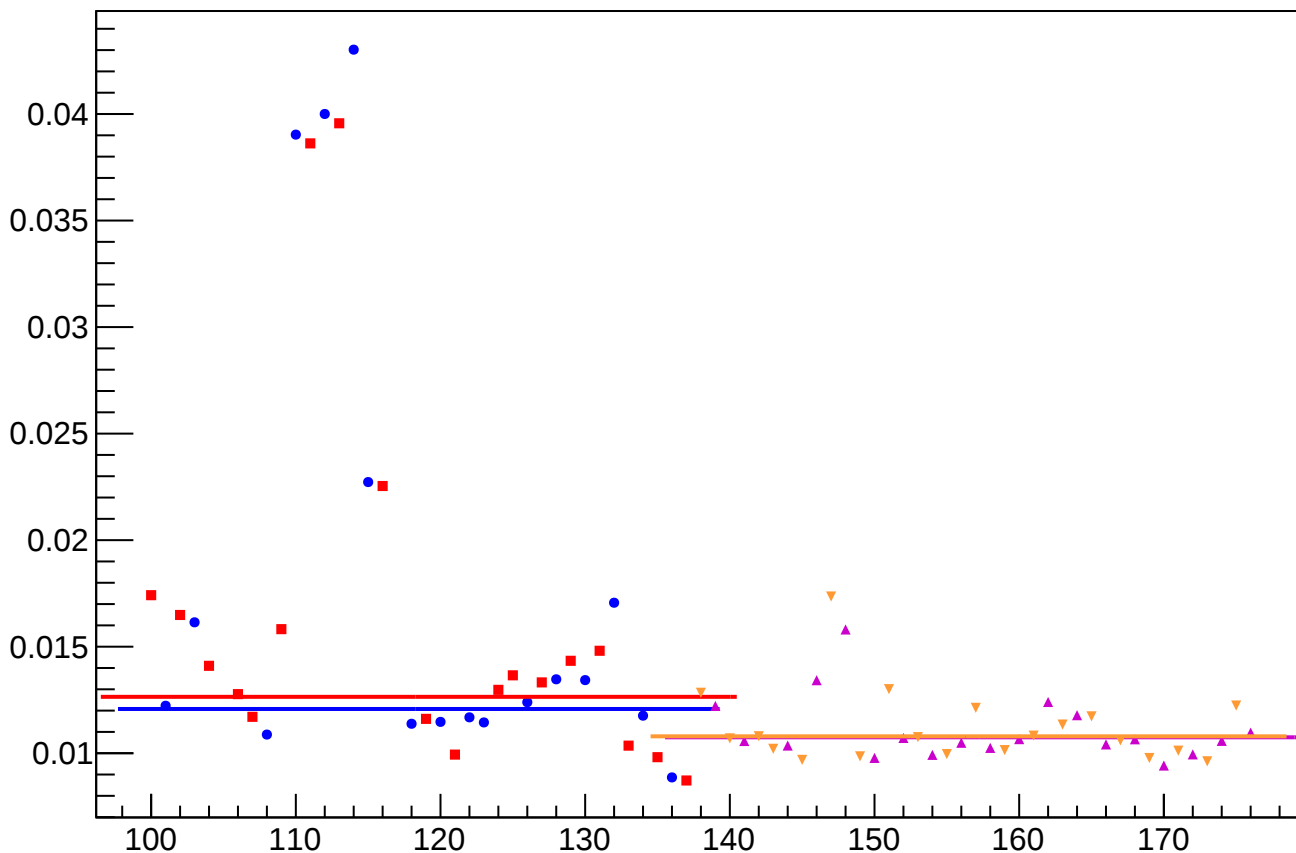
Right: 0.321+/-0.000 χ^2/NDF : 10628899850.1/35

In: 0.118+/-0.000 χ^2/NDF : 6919872463.6/35

Out: 0.125+/-0.000 χ^2/NDF : 7747361568.3/38

All: 0.121+/-0.000 χ^2/NDF : 14671453007.0/77

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 443046.1/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 350079.8/18

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 793382.7/38

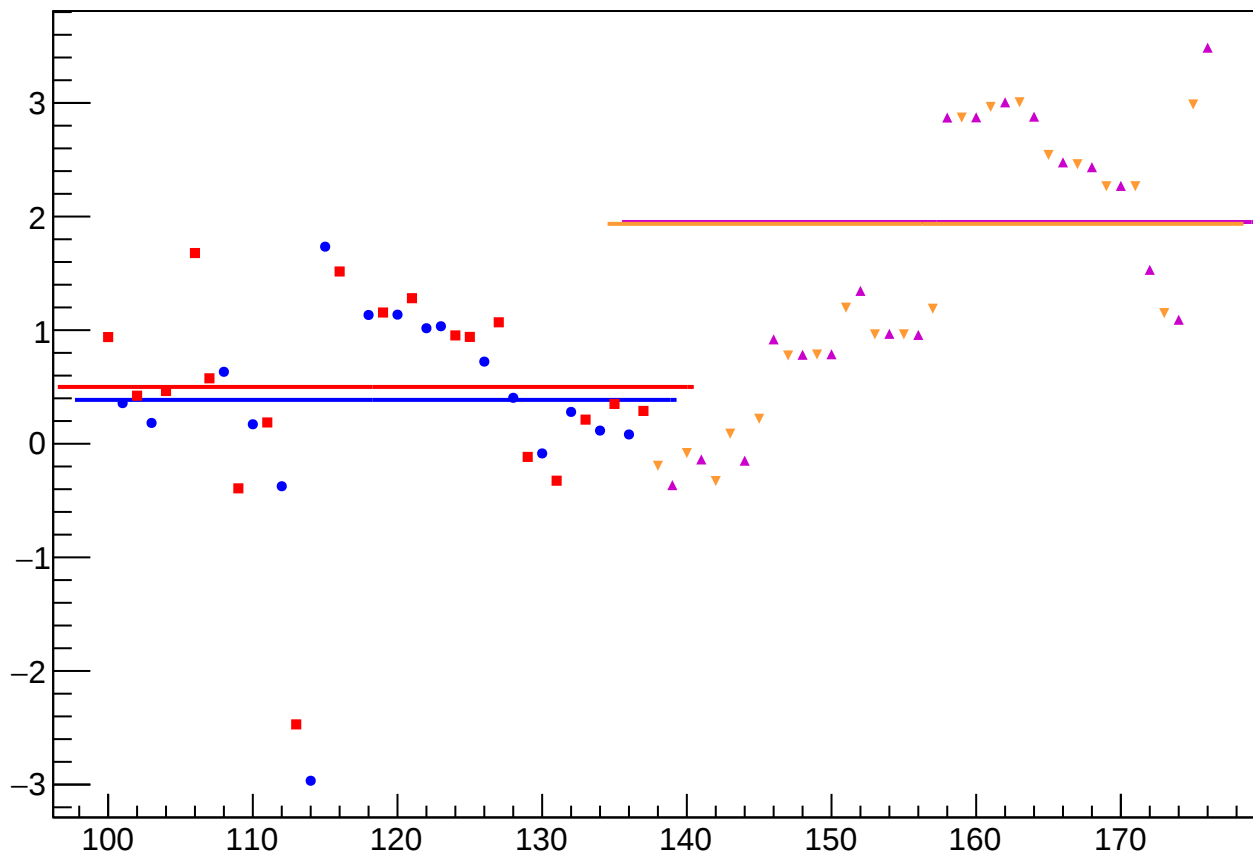
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2528646.1/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF: 1733727.8/35

Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 1873586.8/38

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3611164.6/74

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2 /NDF: 246380221.7/16

Left Out: 1.936+/-0.000 χ^2 /NDF:31937630706.6/19

Right Out: 0.500+/-0.000 χ^2 /NDF: 983386658.7/18

Left In: 1.952+/-0.000 χ^2 /NDF:36723452937.5/18

Left: 1.944+/-0.000 χ^2 /NDF: 68666464756.3/38

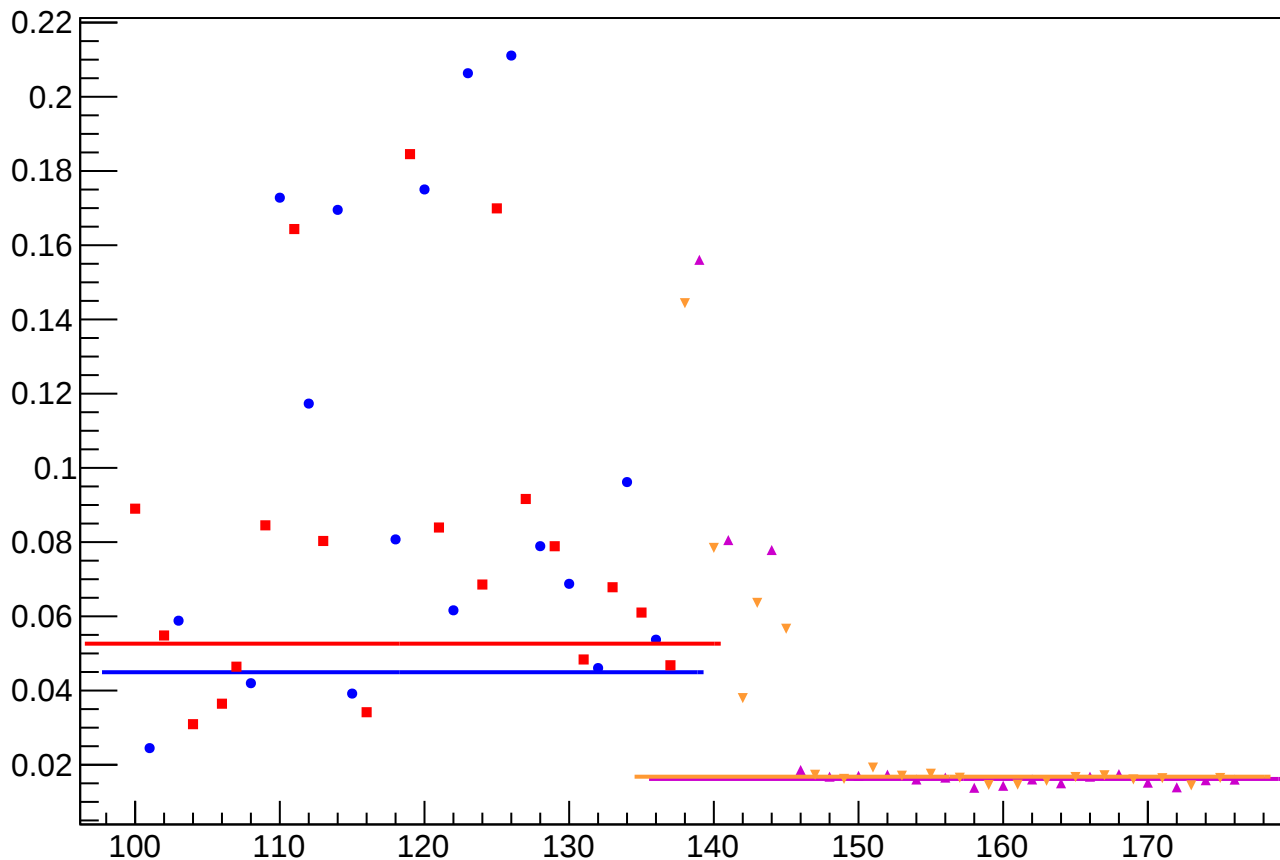
Right: 0.439+/-0.000 χ^2 /NDF: 1240216918.3/35

In: 1.890+/-0.000 χ^2 /NDF:41085014062.0/35

Out: 1.884+/-0.000 χ^2 /NDF:35877016873.0/38

All: 1.887+/-0.000 χ^2 /NDF: 76962938712.6/73

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017 $\pm$ 0.000 χ^2/NDF : 2778743.1/19

Right Out: 0.053 $\pm$ 0.000 χ^2/NDF : 2191752.0/18

Left In: 0.016 $\pm$ 0.000 χ^2/NDF : 2450895.2/18

Left: 0.016 $\pm$ 0.000 χ^2/NDF : 5244629.2/38

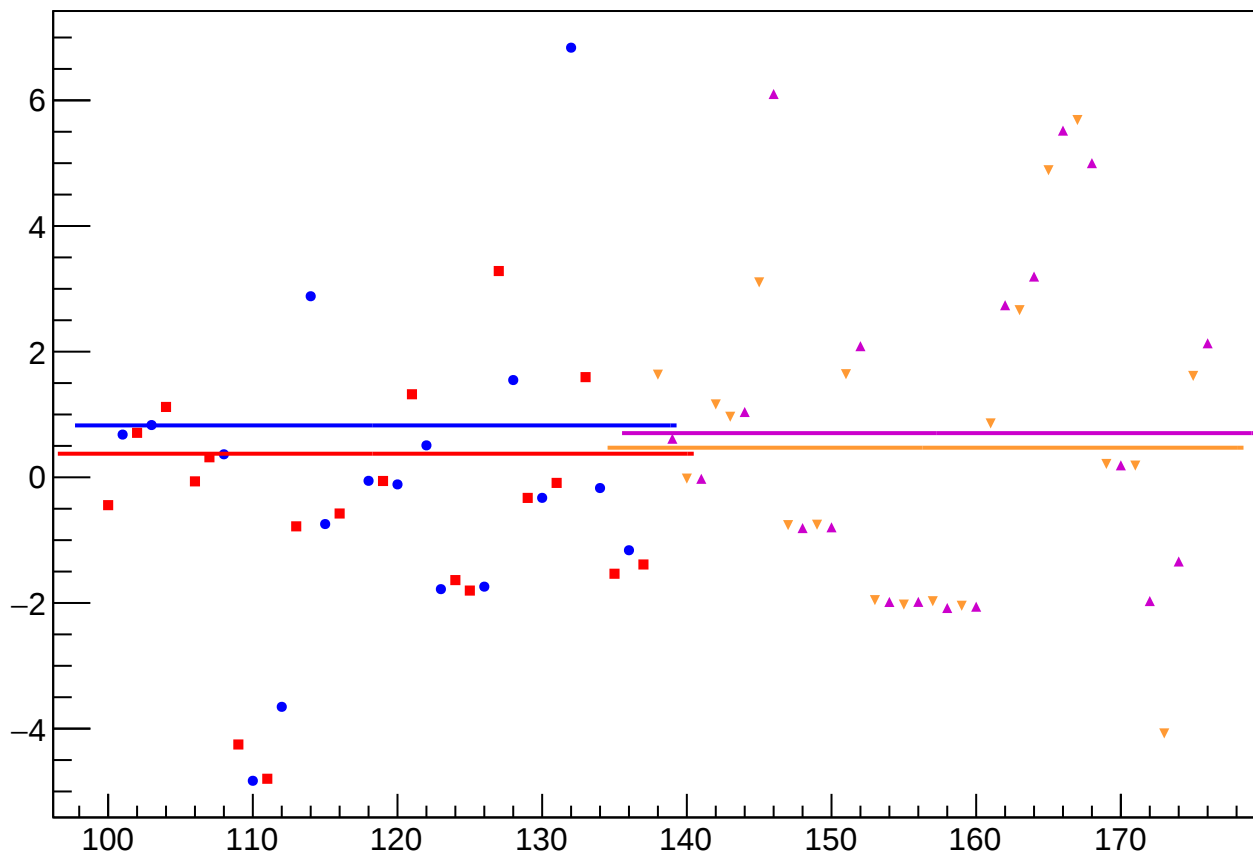
Right: 0.048 $\pm$ 0.000 χ^2/NDF : 5075265.3/35

In: 0.017 $\pm$ 0.000 χ^2/NDF : 8014678.1/35

Out: 0.018 $\pm$ 0.000 χ^2/NDF : 8655670.5/38

All: 0.018 $\pm$ 0.000 χ^2/NDF : 16695729.9/74

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000

χ^2/NDF : 10945455664.9/16

Left: 0.590+/-0.000

χ^2/NDF : 1028686667381.7/38

Left Out: 0.471+/-0.000

χ^2/NDF : 474627659904.9/19

Right: 0.614+/-0.000

χ^2/NDF : 16267855103.5/35

Right Out: 0.376+/-0.000

χ^2/NDF : 4947158634.2/18

In: 0.710+/-0.000

χ^2/NDF : 563254820027.9/35

Out: 0.466+/-0.000

χ^2/NDF : 479605095220.5/38

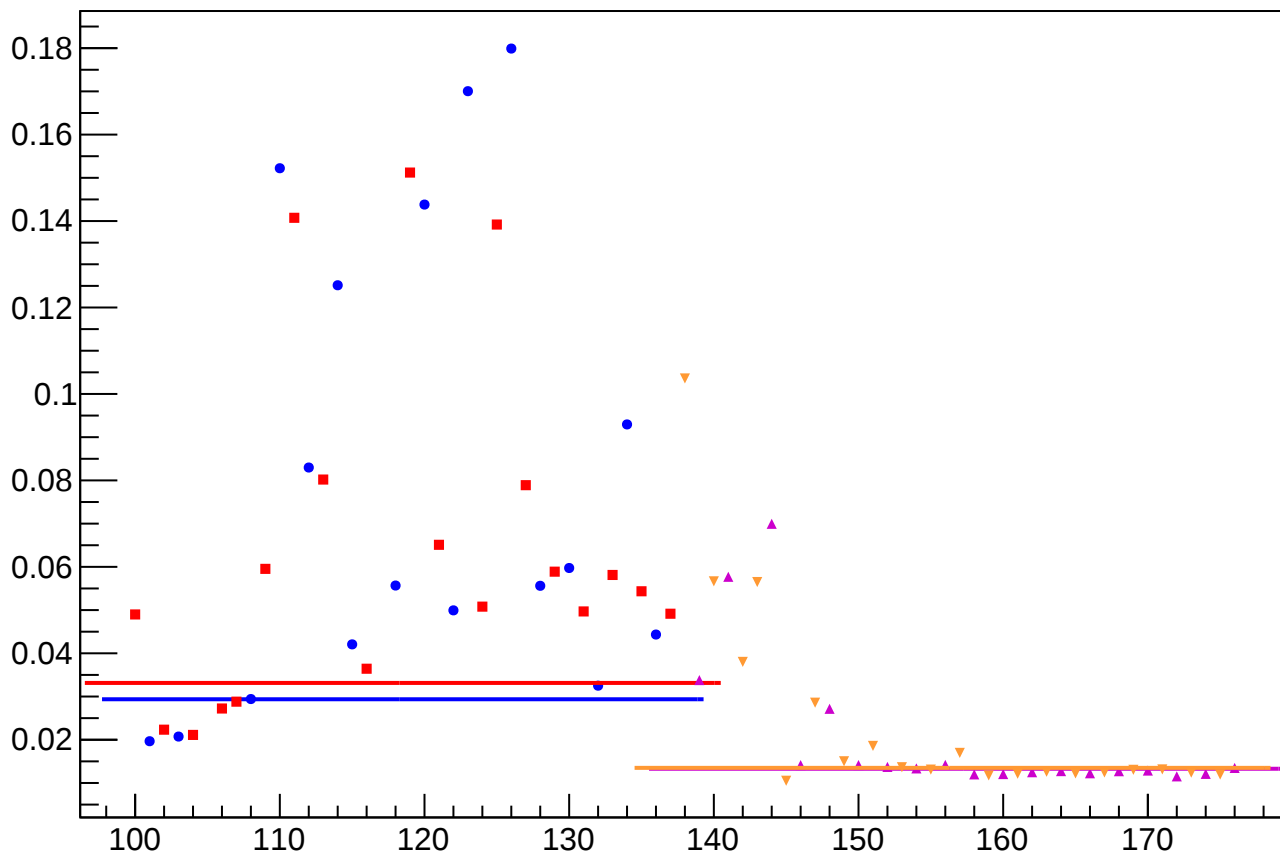
Left In: 0.703+/-0.000

χ^2/NDF : 552253281693.8/18

All: 0.592+/-0.000

χ^2/NDF : 1044958535284.0/38

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.013+/-0.000 χ^2/NDF : 2890250.4/19

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

Left In: 0.013+/-0.000 χ^2/NDF : 1949324.8/18

Left: 0.013+/-0.000 χ^2/NDF : 4842471.8/38

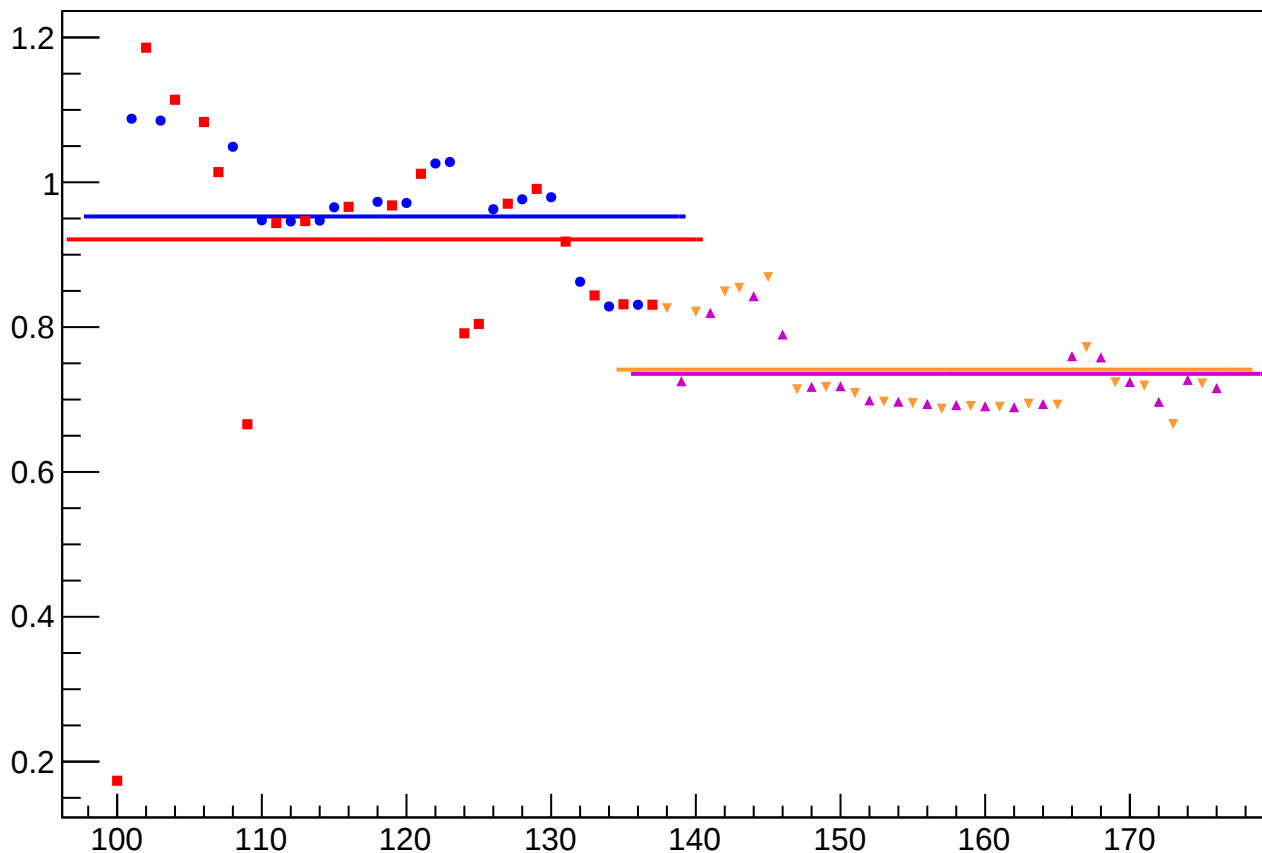
Right: 0.031+/-0.000 χ^2/NDF : 6139085.6/35

In: 0.014+/-0.000 χ^2/NDF : 6860349.8/35

Out: 0.014+/-0.000 χ^2/NDF : 8549600.3/38

All: 0.014+/-0.000 χ^2/NDF : 15417969.0/74

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.741 $\pm$ 0.000 χ^2 /NDF: 291101175.8/19

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

Left In: 0.736 $\pm$ 0.000 χ^2 /NDF: 166032278.1/18

Left: 0.739 $\pm$ 0.000 χ^2 /NDF: 458326144.1/38

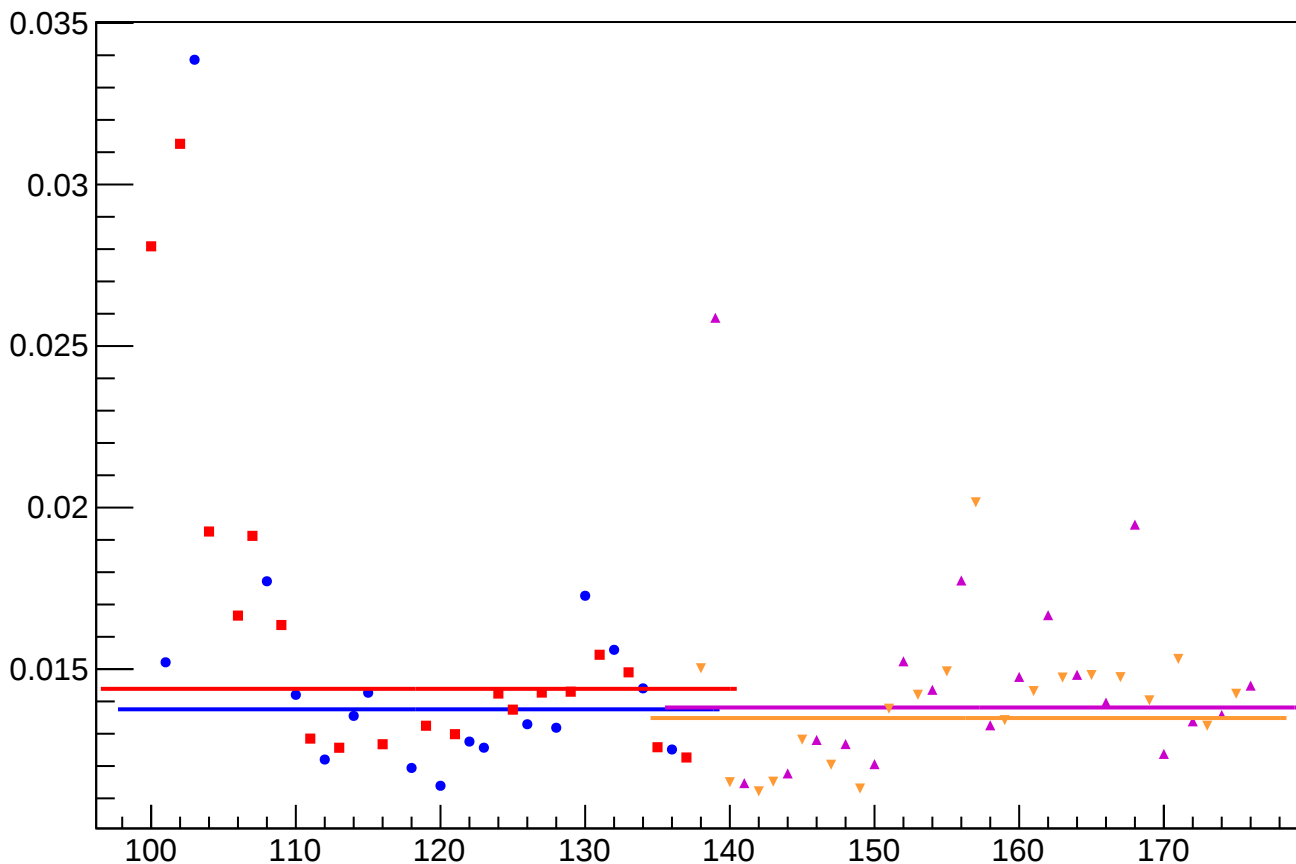
Right: 0.937 $\pm$ 0.000 χ^2 /NDF: 564889848.1/35

In: 0.802 $\pm$ 0.000 χ^2 /NDF: 1336360833.1/35

Out: 0.793 $\pm$ 0.000 χ^2 /NDF: 1340091093.4/38

All: 0.798 $\pm$ 0.000 χ^2 /NDF: 2680601511.4/74

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 400726.5/19

Right Out: 0.014+/-0.000 χ^2/NDF : 503813.0/18

Left In: 0.014+/-0.000 χ^2/NDF : 755385.2/18

Left: 0.014+/-0.000 χ^2/NDF : 1163631.2/38

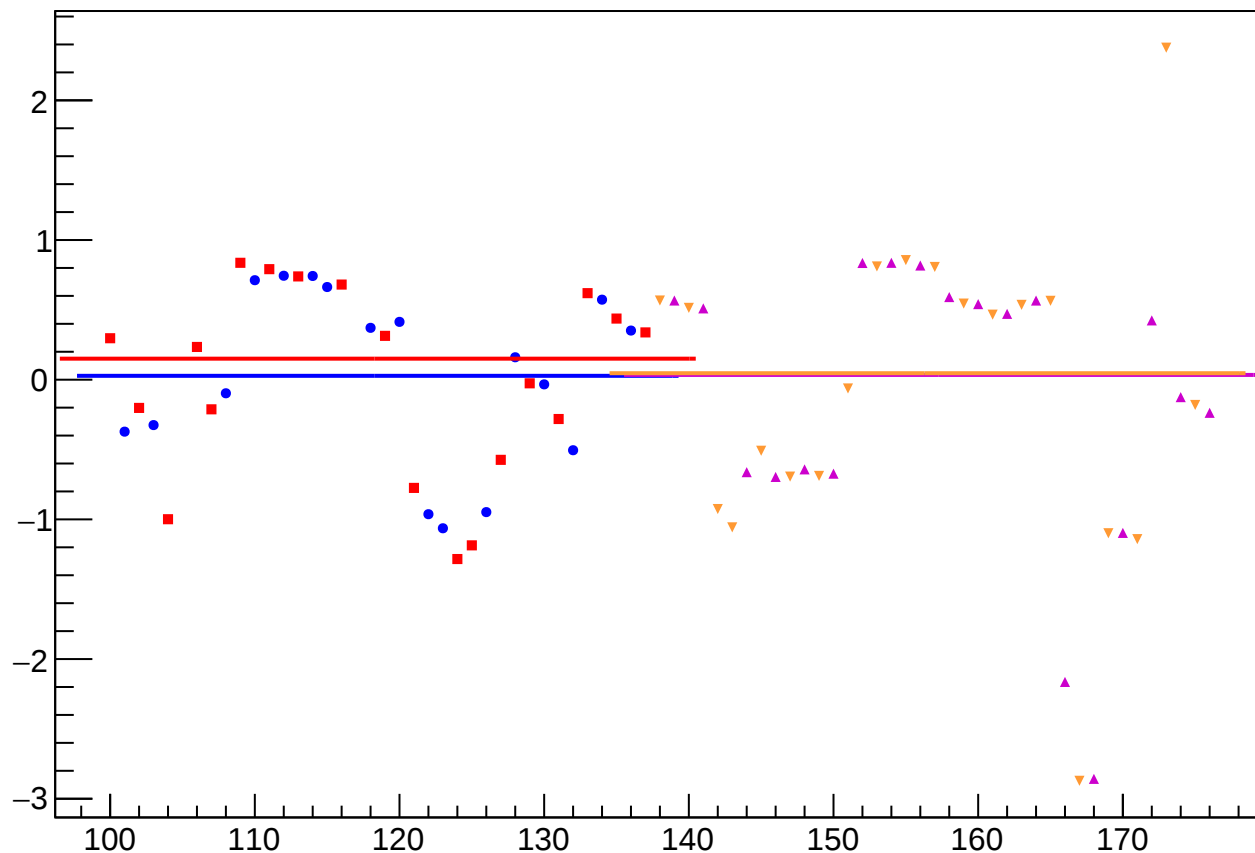
Right: 0.014+/-0.000 χ^2/NDF : 1054284.2/35

In: 0.014+/-0.000 χ^2/NDF : 1293989.9/35

Out: 0.014+/-0.000 χ^2/NDF : 938667.6/38

All: 0.014+/-0.000 χ^2/NDF : 2232893.9/74

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.046 $\pm$ 0.000 χ^2 /NDF: 94822554460.6/19

Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 12653743155.9/18

Left In: 0.034 $\pm$ 0.000 χ^2 /NDF: 79112940348.0/18

Left: 0.040 $\pm$ 0.000 χ^2 /NDF: 173942292325.3/38

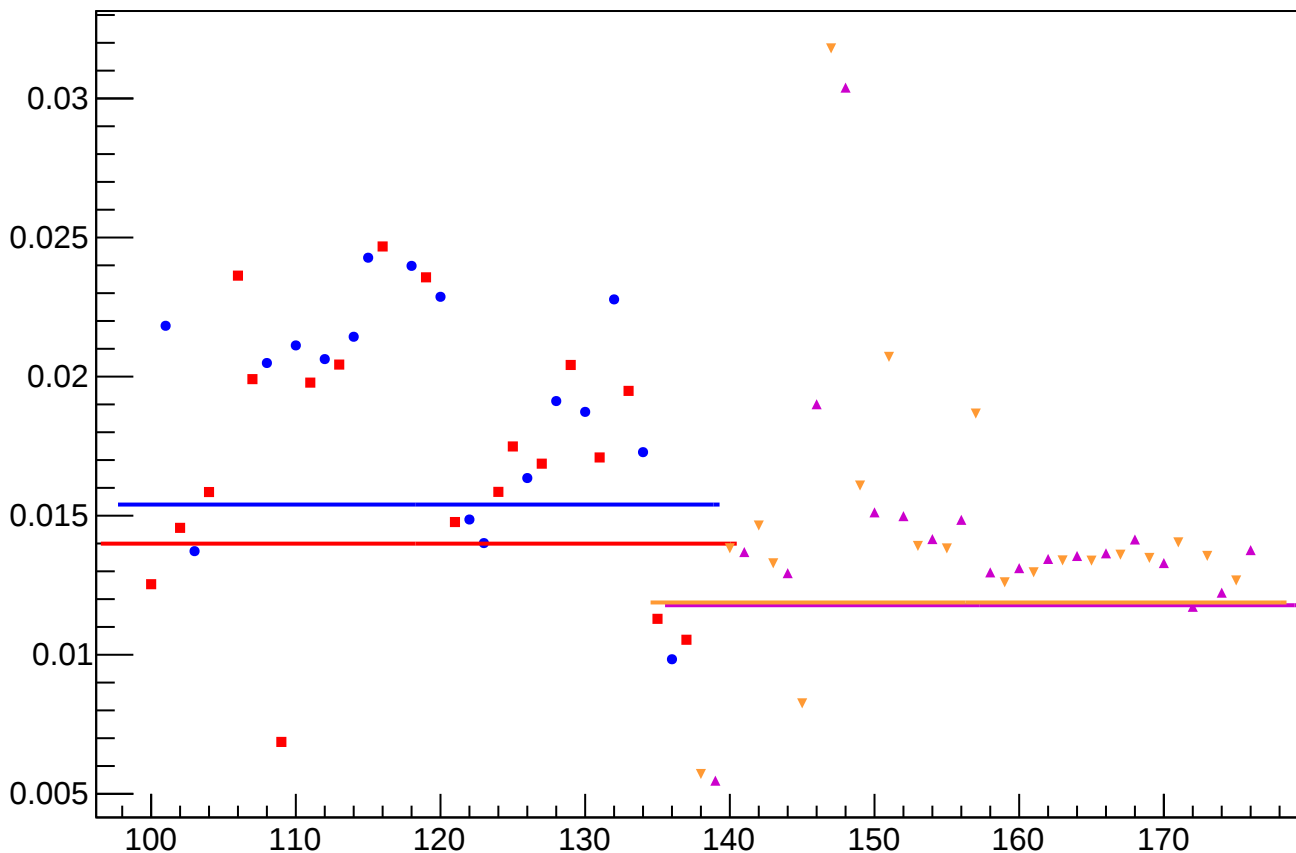
Right: 0.095 $\pm$ 0.000 χ^2 /NDF: 19125643372.9/35

In: 0.033 $\pm$ 0.000 χ^2 /NDF: 85390663274.9/35

Out: 0.071 $\pm$ 0.000 χ^2 /NDF: 107711768305.4/38

All: 0.053 $\pm$ 0.000 χ^2 /NDF: 193189148947.8

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 : 3048263.7/19

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

Left In: 0.012+/-0.000 χ^2/NDF : 3067301.4/18

Left: 0.012+/-0.000 χ^2/NDF : 6116456.9/38

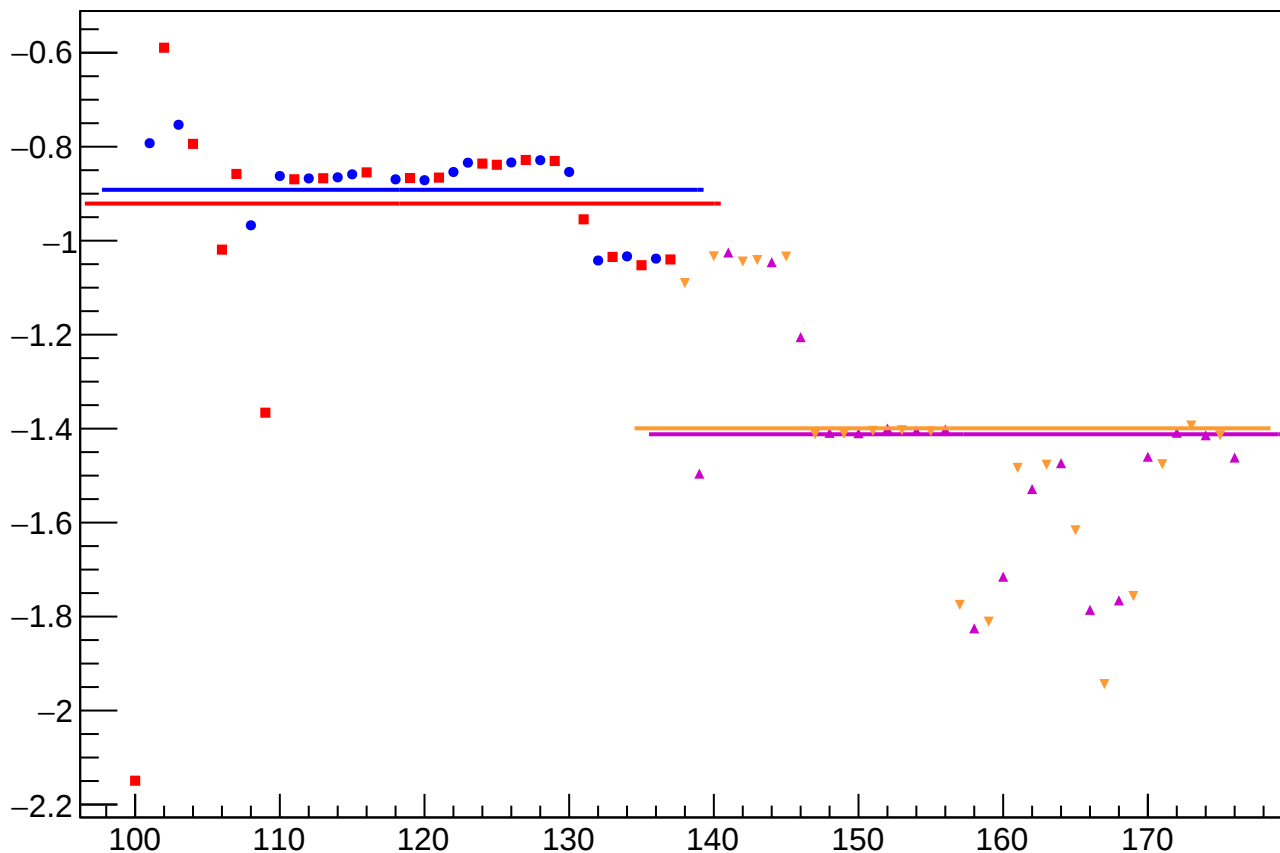
Right: 0.015+/-0.000 χ^2/NDF : 2754233.9/35

In: 0.013+/-0.000 χ^2/NDF : 4699871.8/35

Out: 0.012+/-0.000 χ^2/NDF : 4803975.3/38

All: 0.012+/-0.000 χ^2/NDF : 9506155.7/74

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 $\chi^2/\text{NDF}: 714432702.9/19$

Right Out: -0.921 ± 0.000 $\chi^2/\text{NDF}: 131159330.1/18$

Left In: -1.412 ± 0.000 $\chi^2/\text{NDF}: 512178789.8/18$

Left: -1.405 ± 0.000 $\chi^2/\text{NDF}: 1227452875.5/38$

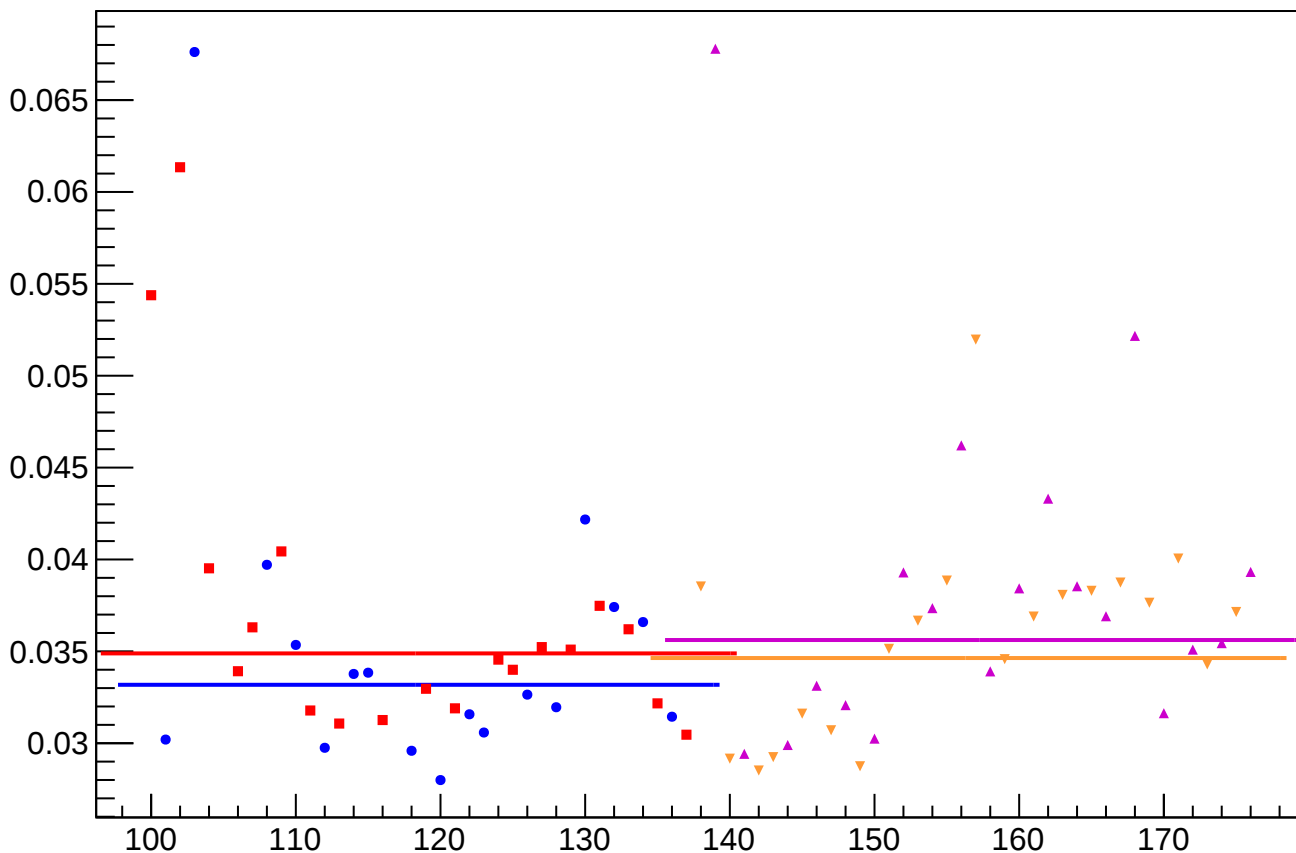
Right: -0.906 ± 0.000 $\chi^2/\text{NDF}: 173170801.3/35$

In: -1.234 ± 0.000 $\chi^2/\text{NDF}: 1493069603.1/35$

Out: -1.247 ± 0.000 $\chi^2/\text{NDF}: 1634426662.7/38$

All: -1.241 ± 0.000 $\chi^2/\text{NDF}: 3128864630.7/77$

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.035+/-0.000 χ^2/NDF :458958.0/19

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

Left In: 0.036+/-0.000 χ^2/NDF :847451.6/18

Left: 0.035+/-0.000 χ^2/NDF : 1316508.3/38

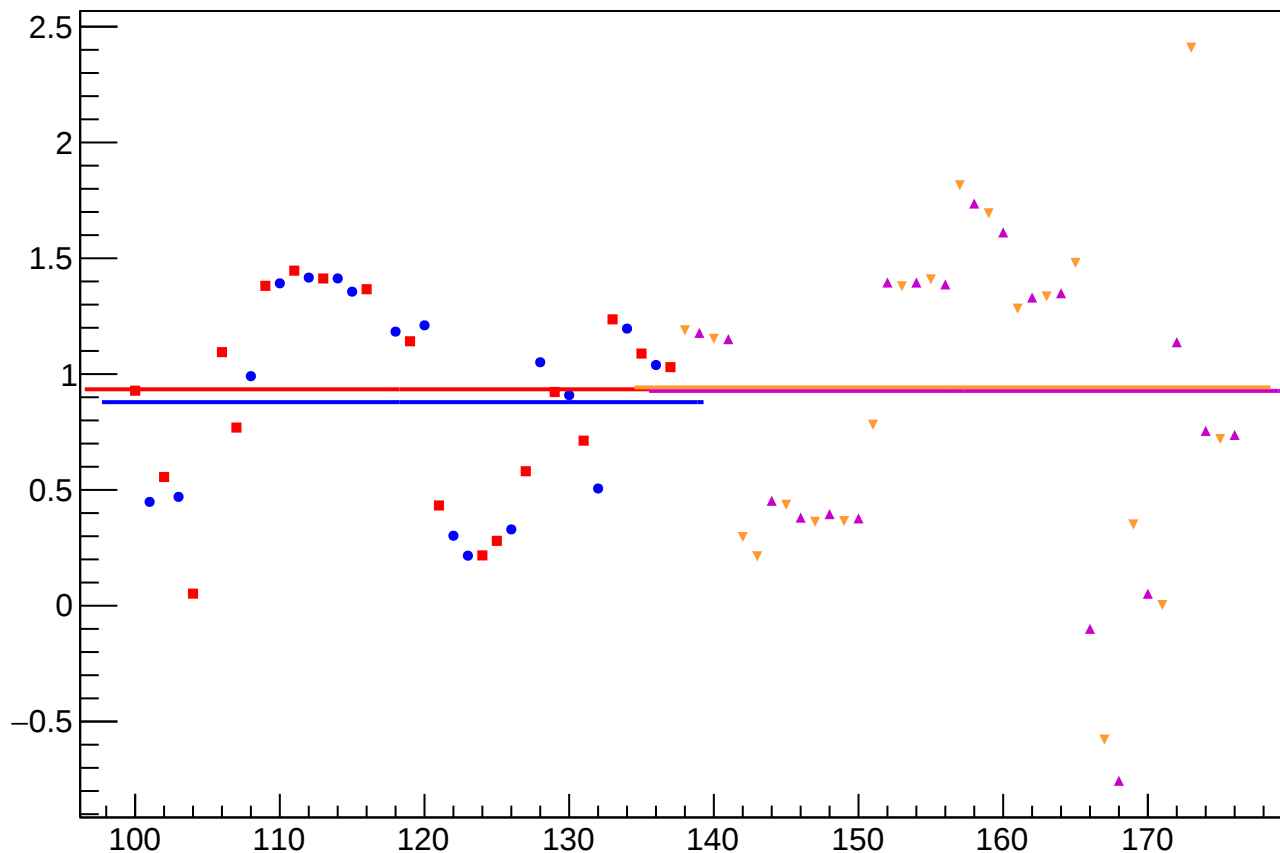
Right: 0.034+/-0.000 χ^2/NDF : 690186.6/35

In: 0.035+/-0.000 χ^2/NDF :1288845.3/35

Out: 0.035+/-0.000 χ^2/NDF :734409.0/38

All: 0.035+/-0.000 χ^2/NDF : 2023326.6/74

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000

χ^2/NDF : 6371602566.2/16

Left: 0.935+/-0.000 χ^2/NDF : 148565042778.4/38

Right: 0.908+/-0.000 χ^2/NDF : 16282606826.3/35

Left Out: 0.943+/-0.000

χ^2/NDF : 82435720509.8/19

In: 0.916+/-0.000 χ^2/NDF : 72576007536.7/35

Right Out: 0.934+/-0.000

χ^2/NDF : 9827120184.9/18

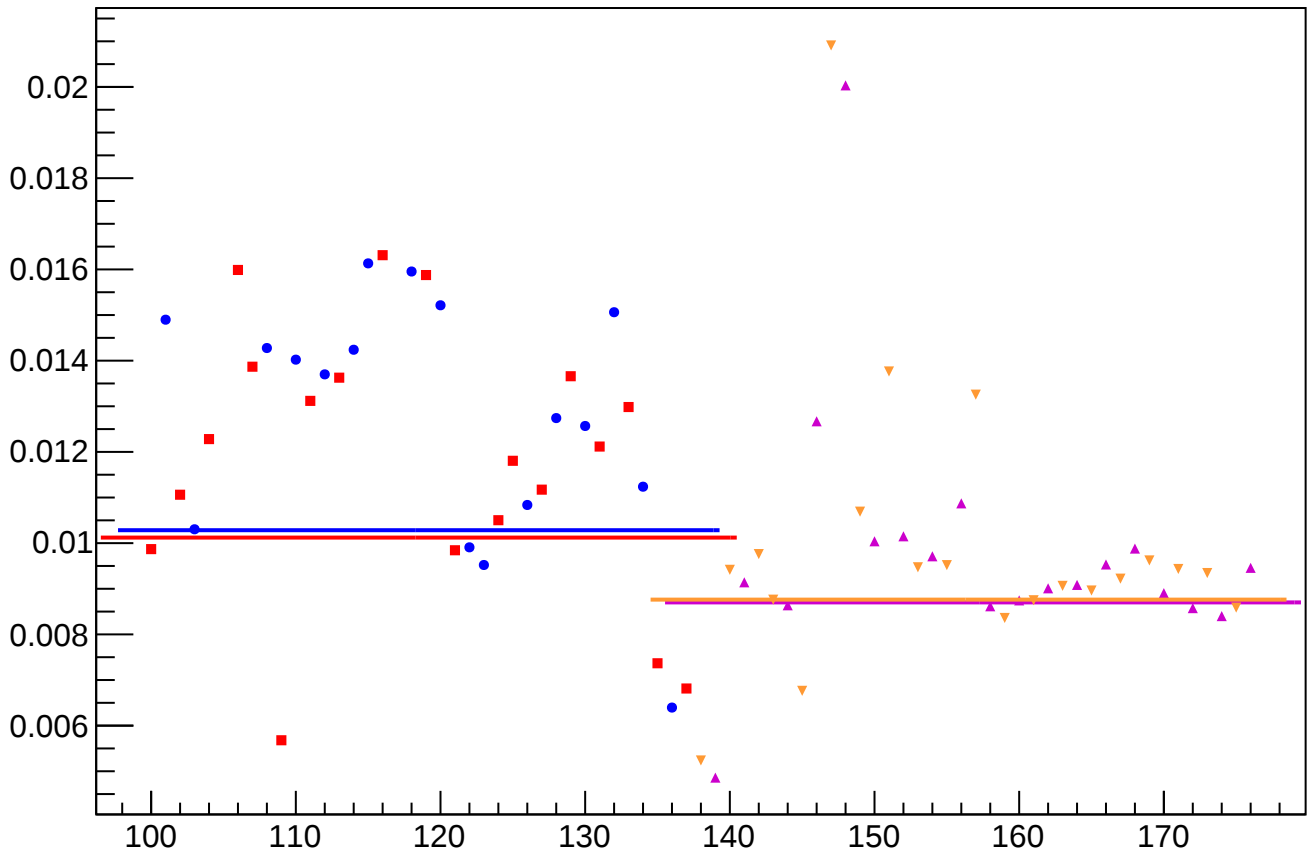
Out: 0.941+/-0.000 χ^2/NDF : 92265756354.4/38

Left In: 0.927+/-0.000

χ^2/NDF : 66109247887.3/18

All: 0.929+/-0.000 χ^2/NDF : 164909882554.5

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 : 1695178.1/19

Right Out: 0.010+/-0.000 χ^2/NDF : 1176642.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 1664440.1/18

Left: 0.009+/-0.000 χ^2/NDF : 3360274.0/38

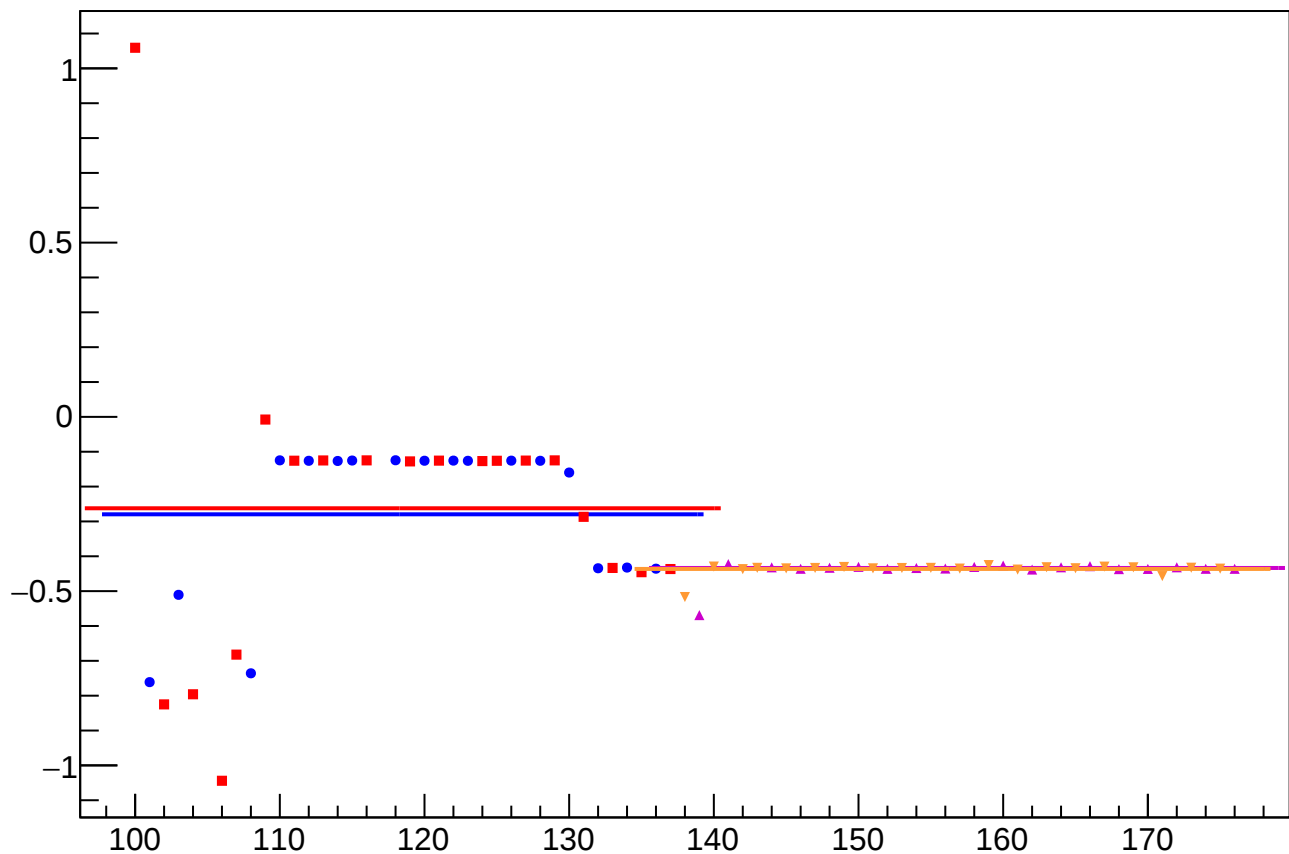
Right: 0.010+/-0.000 χ^2/NDF : 2385530.8/35

In: 0.009+/-0.000 χ^2/NDF : 3074329.4/35

Out: 0.009+/-0.000 χ^2/NDF : 3031085.0/38

All: 0.009+/-0.000 χ^2/NDF : 6105582.8/74

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 +/- 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.436 +/- 0.000 χ^2/NDF : 28742768.2/19

Right Out: -0.262 +/- 0.000 χ^2/NDF : 1006263824.6/18

Left In: -0.434 +/- 0.000 χ^2/NDF : 19908982.6/18

Left: -0.435 +/- 0.000 χ^2/NDF : 49141629.0/38

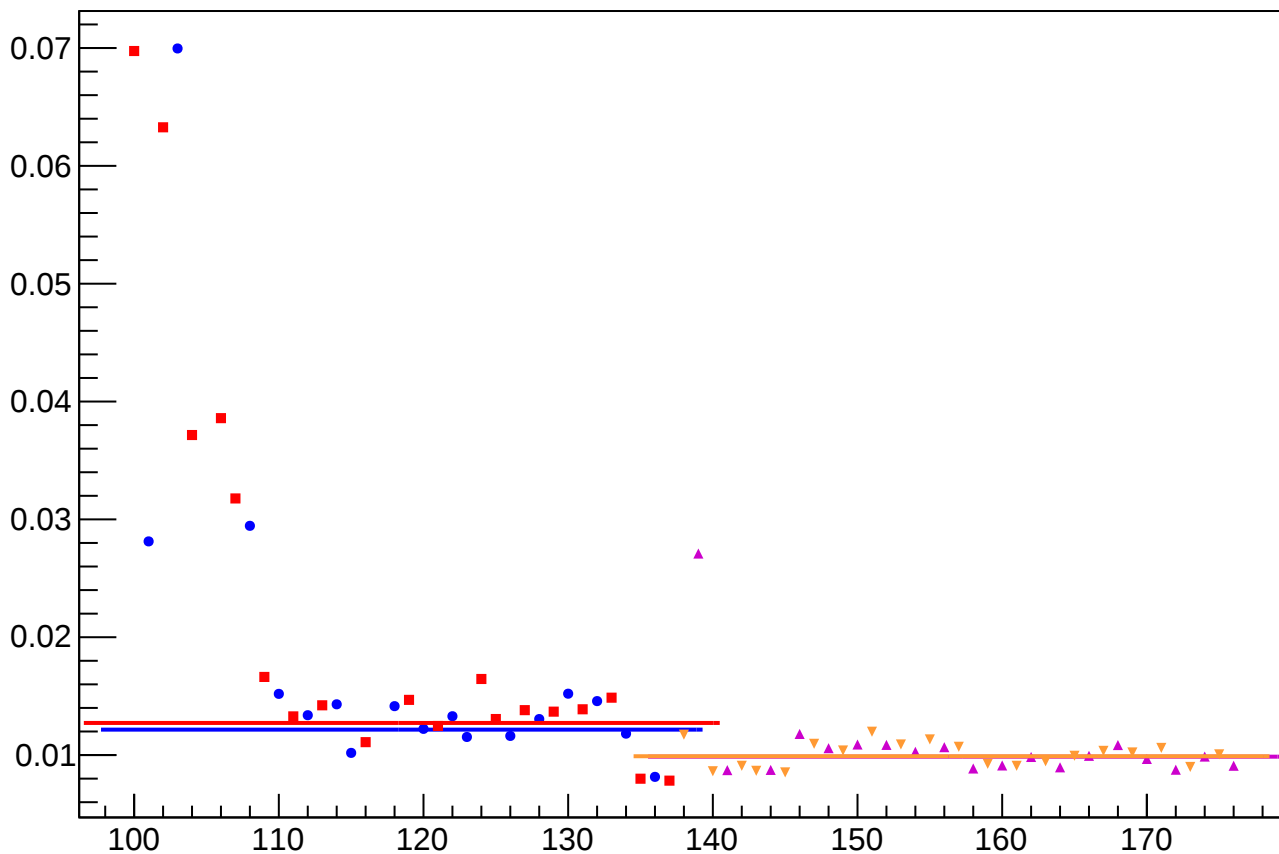
Right: -0.271 +/- 0.000 χ^2/NDF : 1940066892.0/35

In: -0.403 +/- 0.000 χ^2/NDF : 1547033964.5/35

Out: -0.404 +/- 0.000 χ^2/NDF : 1769506887.2/38

All: -0.403 +/- 0.000 χ^2/NDF : 3316582672.6/7

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:248962.7/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:773244.6/18

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 1022377.9/38

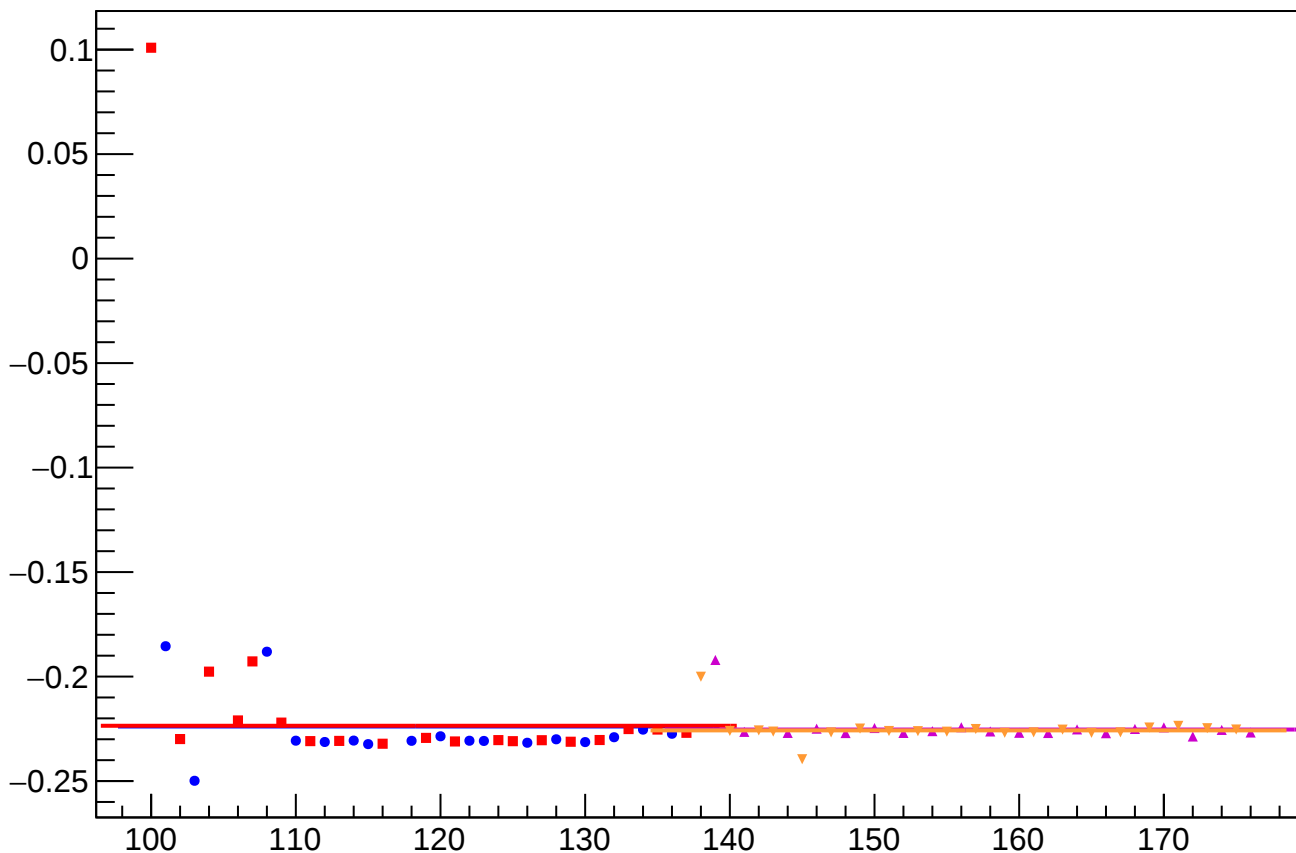
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3700041.2/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:2761537.1/35

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:2603369.0/38

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5366841.3/74

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 : 20871816.7/19

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

Left In: -0.225+/-0.000 χ^2/NDF : 13226025.4/18

Left: -0.226+/-0.000 χ^2/NDF : 34140009.6/38

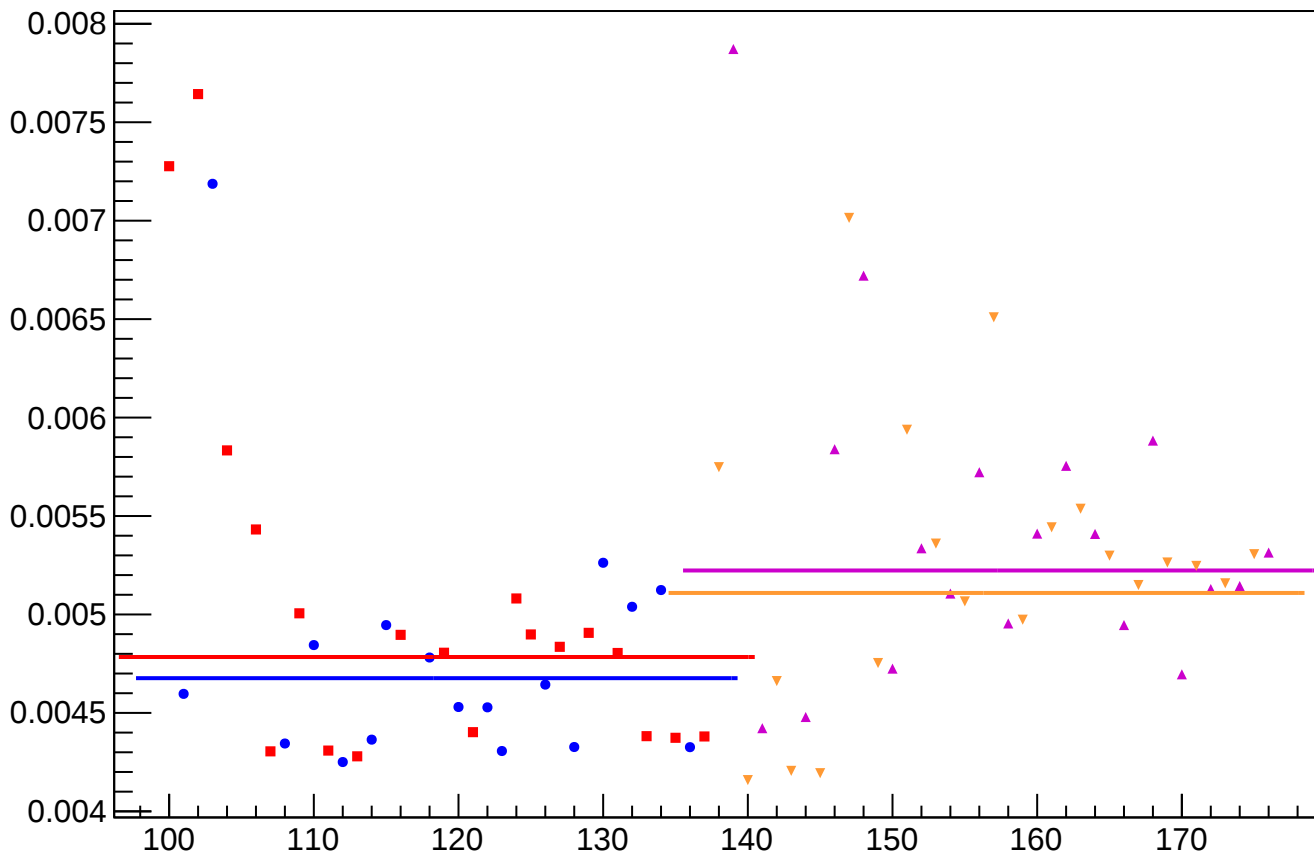
Right: -0.224+/-0.000 χ^2/NDF : 242740169.2/35

In: -0.225+/-0.000 χ^2/NDF : 88208118.2/35

Out: -0.225+/-0.000 χ^2/NDF : 189890721.9/38

All: -0.225+/-0.000 χ^2/NDF : 278109191.5/74

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 : 455065.3/19

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 437302.0/18

Left: 0.005+/-0.000 χ^2/NDF : 899156.3/38

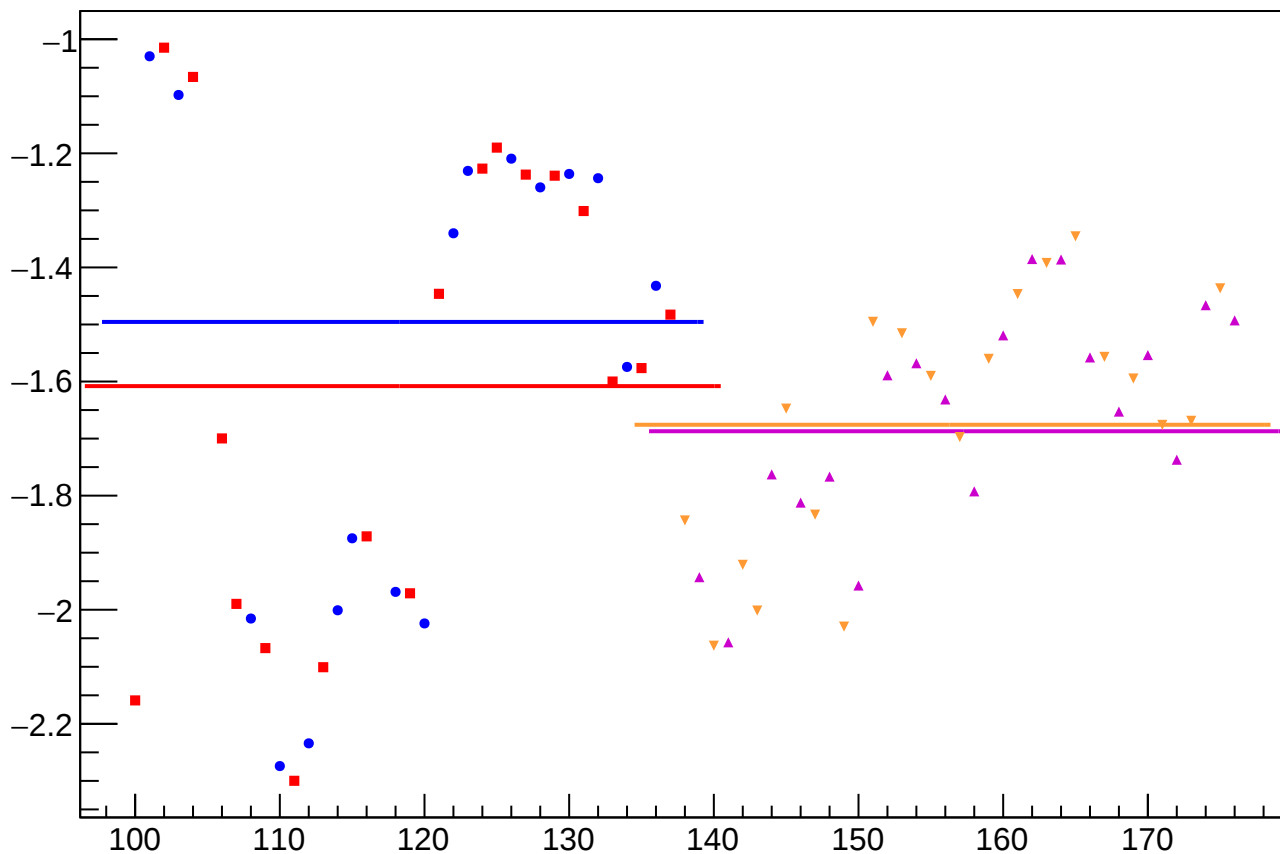
Right: 0.005+/-0.000 χ^2/NDF : 432242.2/35

In: 0.005+/-0.000 χ^2/NDF : 724401.7/35

Out: 0.005+/-0.000 χ^2/NDF : 742202.1/38

All: 0.005+/-0.000 χ^2/NDF : 1467507.9/74

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.676+/-0.000 χ^2/NDF : 16947555095.0/19

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

Left In: -1.687+/-0.000 χ^2/NDF : 13219990406.7/18

Left: -1.681+/-0.000 χ^2/NDF : 30191088360.5/38

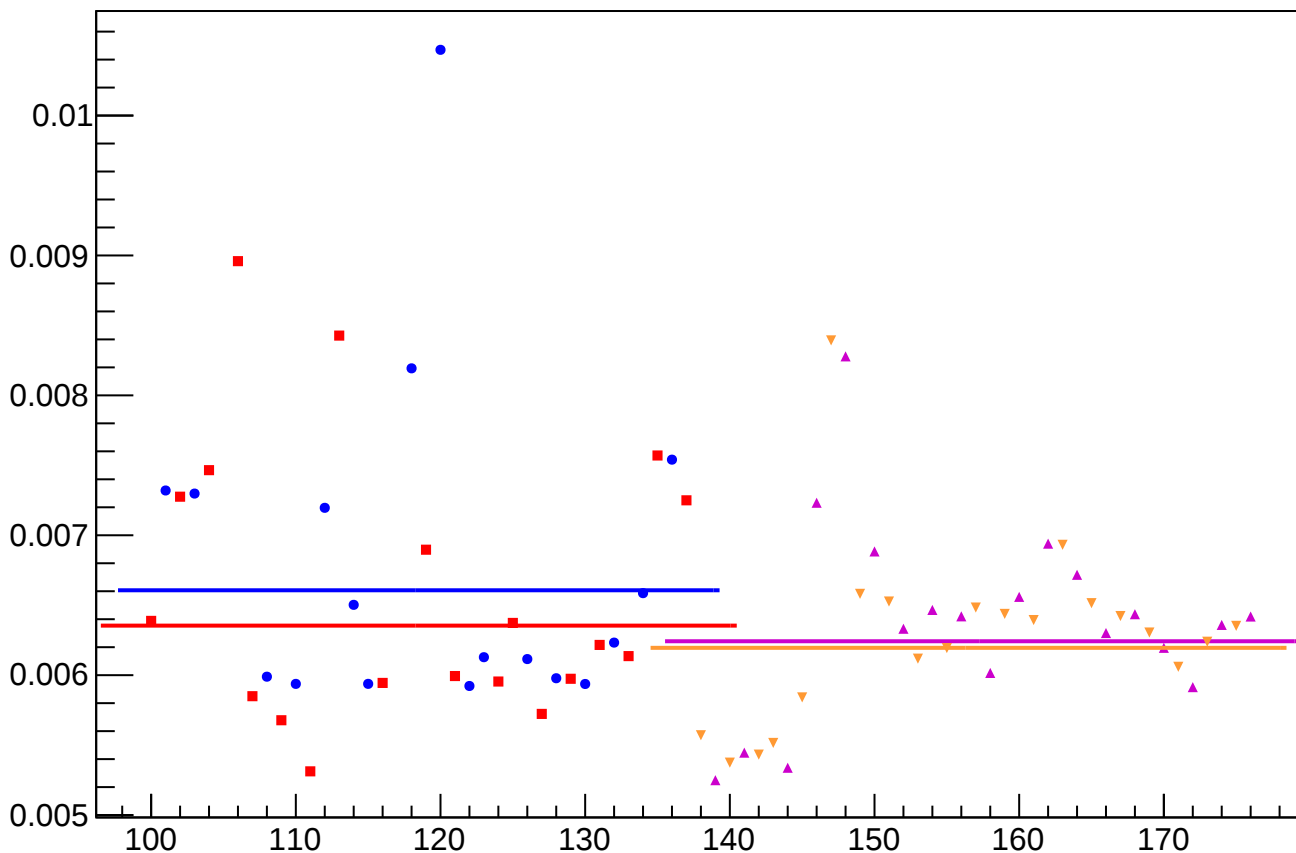
Right: -1.556+/-0.000 χ^2/NDF : 51308404748.0/35

In: -1.634+/-0.000 χ^2/NDF : 39397978701.6/35

Out: -1.655+/-0.000 χ^2/NDF : 45320611318.2/38

All: -1.645+/-0.000 χ^2/NDF : 84838447718.6/81

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:230773.6/19

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 227287.9/18

Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:297131.5/18

Left: 0.006 $\pm$ 0.000 χ^2 /NDF: 528711.0/38

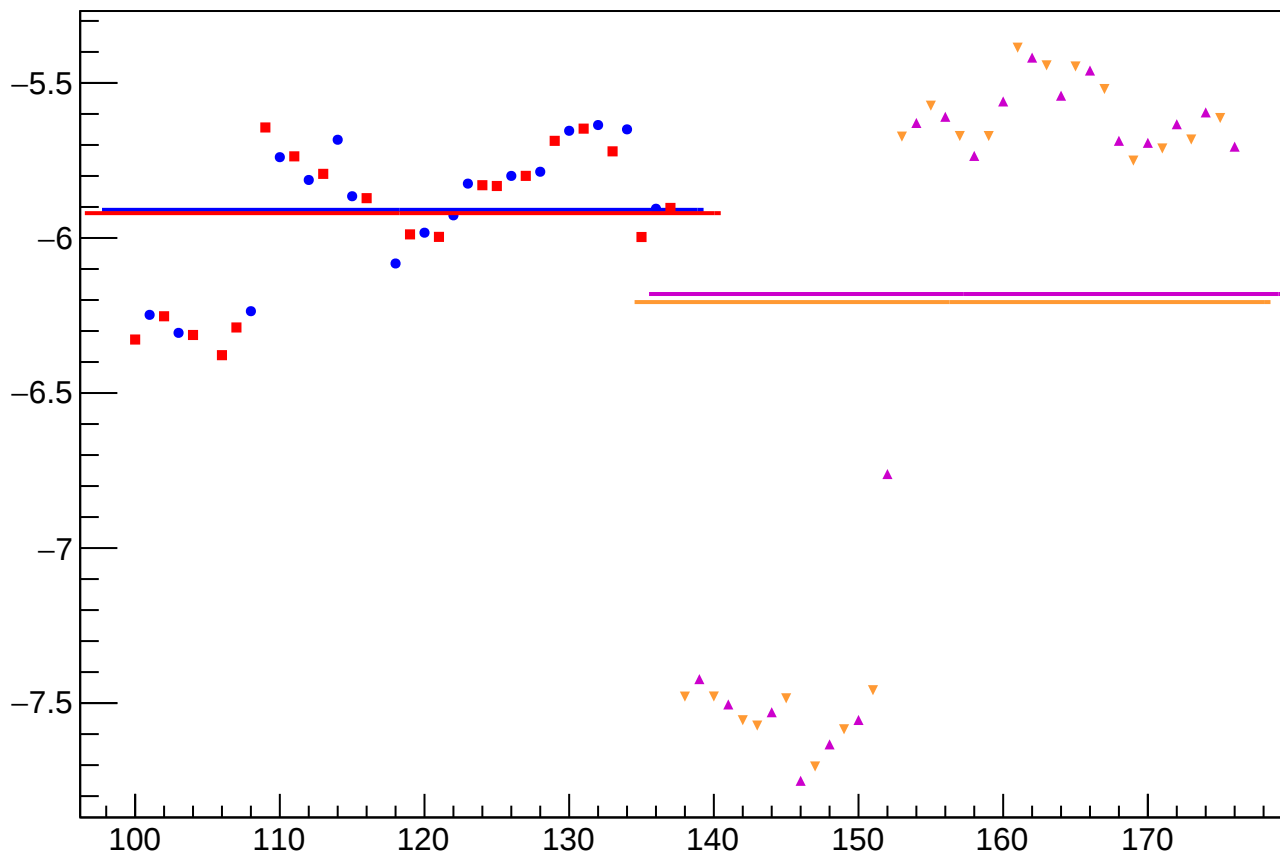
Right: 0.006 $\pm$ 0.000 χ^2 /NDF: 438183.3/35

In: 0.006 $\pm$ 0.000 χ^2 /NDF:525003.6/35

Out: 0.006 $\pm$ 0.000 χ^2 /NDF:463776.7/38

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 993983.0/74

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.207+/-0.000 χ^2/NDF : 177091620672.7/19

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

Left In: -6.181+/-0.000 χ^2/NDF : 154713810182.1/18

Left: -6.194+/-0.000 χ^2/NDF : 331877750473.1/38

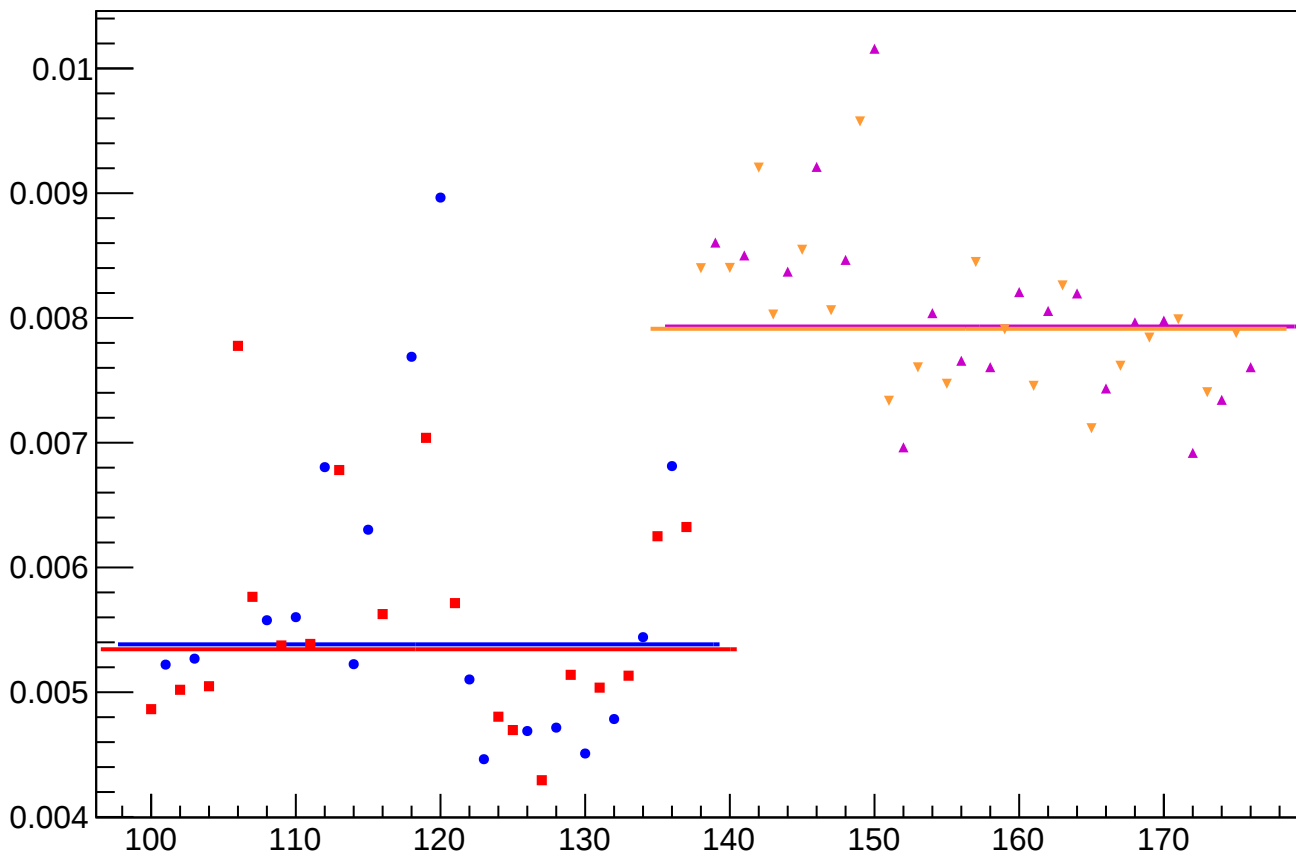
Right: -5.915+/-0.000 χ^2/NDF : 23922455242.5/35

In: -6.049+/-0.000 χ^2/NDF : 173484090472.9/35

Out: -6.061+/-0.000 χ^2/NDF : 198877283807.9/38

All: -6.055+/-0.000 χ^2/NDF : 372392845685.8

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 :123627.1/19

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

Left In: 0.008+/-0.000 χ^2/NDF :203143.4/18

Left: 0.008+/-0.000 χ^2/NDF : 326841.2/38

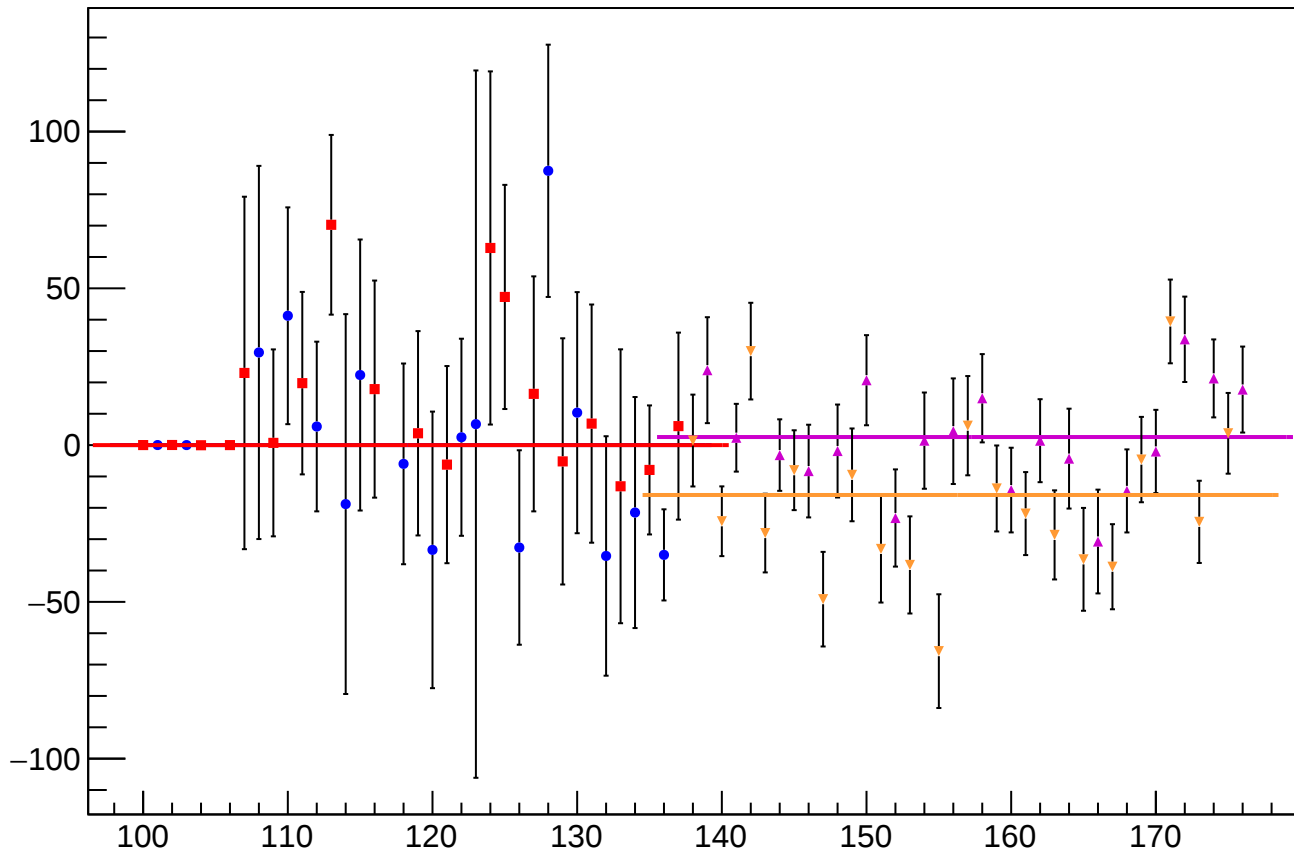
Right: 0.005+/-0.000 χ^2/NDF : 592657.5/35

In: 0.007+/-0.000 χ^2/NDF :1897724.6/35

Out: 0.007+/-0.000 χ^2/NDF :1812695.5/38

All: 0.007+/-0.000 χ^2/NDF : 3713543.9/74

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.017 χ^2/NDF : 15.8/16

Left Out: -15.907 $\pm$ 3.146 χ^2/NDF : 55.8/19

Right Out: -0.003 $\pm$ 0.016 χ^2/NDF : 15.3/18

Left In: 2.577 $\pm$ 3.194 χ^2/NDF : 24.0/18

Left: -6.803 $\pm$ 2.241 χ^2/NDF : 96.8/38

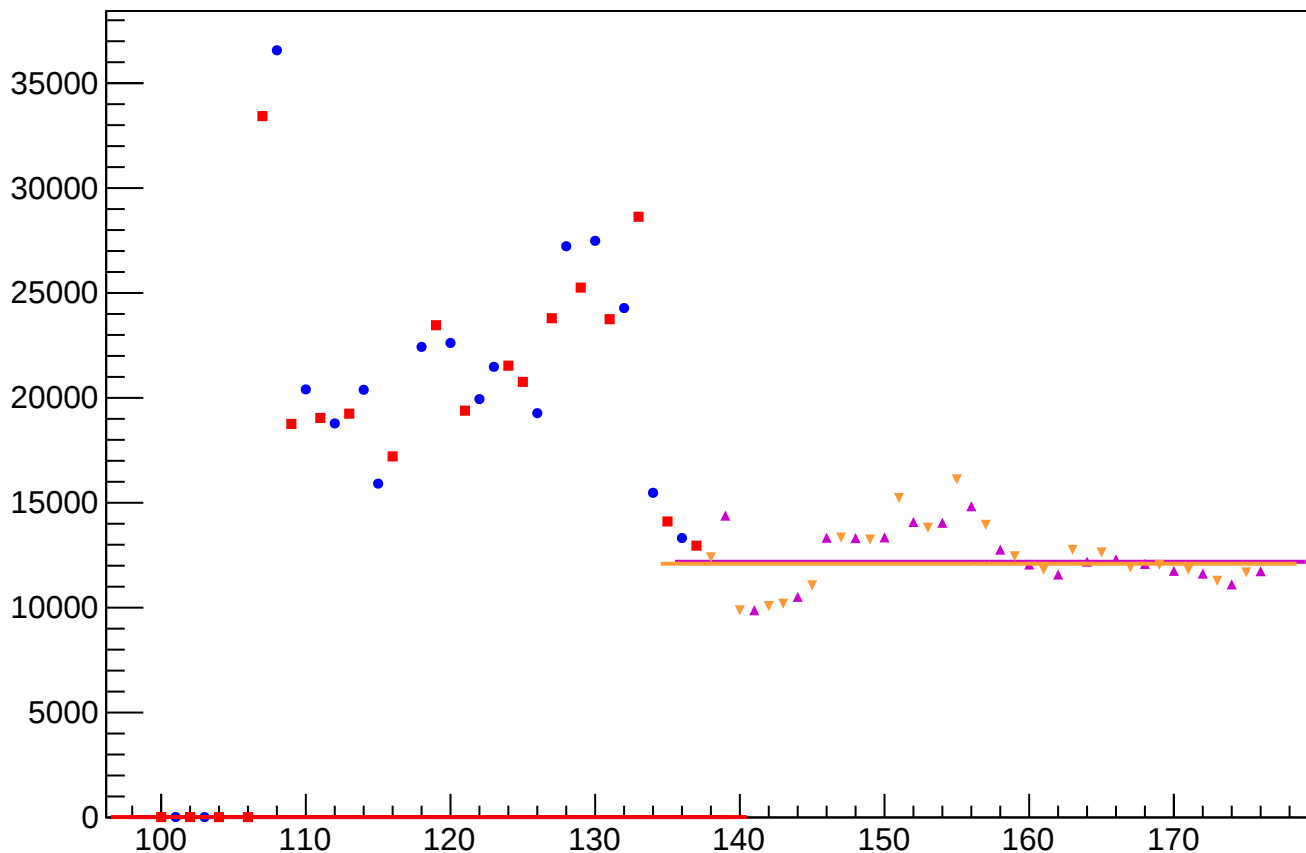
Right: 0.004 $\pm$ 0.012 χ^2/NDF : 31.6/35

In: 0.013 $\pm$ 0.017 χ^2/NDF : 40.4/35

Out: -0.004 $\pm$ 0.016 χ^2/NDF : 96.7/38

All: 0.004 $\pm$ 0.012 χ^2/NDF : 137.6/74

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12095.490+/-2.225 χ^2/NDF : 437044.5/19

Right Out: 18.311+/-0.011 χ^2/NDF : 11103320.8/18

Left In: 12187.453+/-2.258 χ^2/NDF : 344294.0/18

Left: 12140.783+/-1.585 χ^2/NDF : 782180.2/38

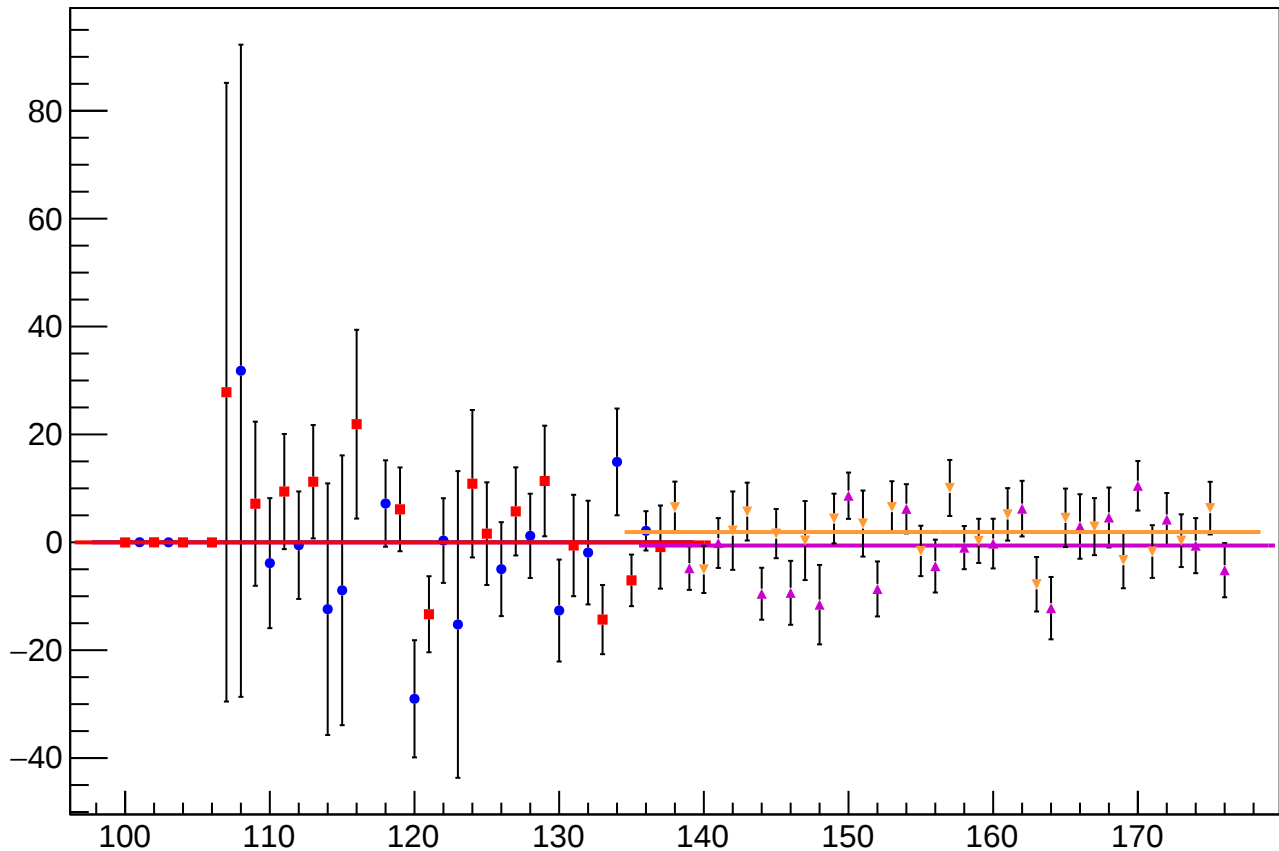
Right: 18.464+/-0.008 χ^2/NDF : 21945270.7/35

In: 18.999+/-0.012 χ^2/NDF : 40223245.6/35

Out: 18.626+/-0.011 χ^2/NDF : 41011352.6/38

All: 18.799+/-0.008 χ^2/NDF : 81235095.6/74

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF : 14.9/16

Left Out: 1.900+/-1.125 χ^2/NDF : 15.4/19

Right Out: -0.014+/-0.009 χ^2/NDF : 18.4/18

Left In: -0.601+/-1.129 χ^2/NDF : 33.5/18

Left: 0.654+/-0.797 χ^2/NDF : 51.4/38

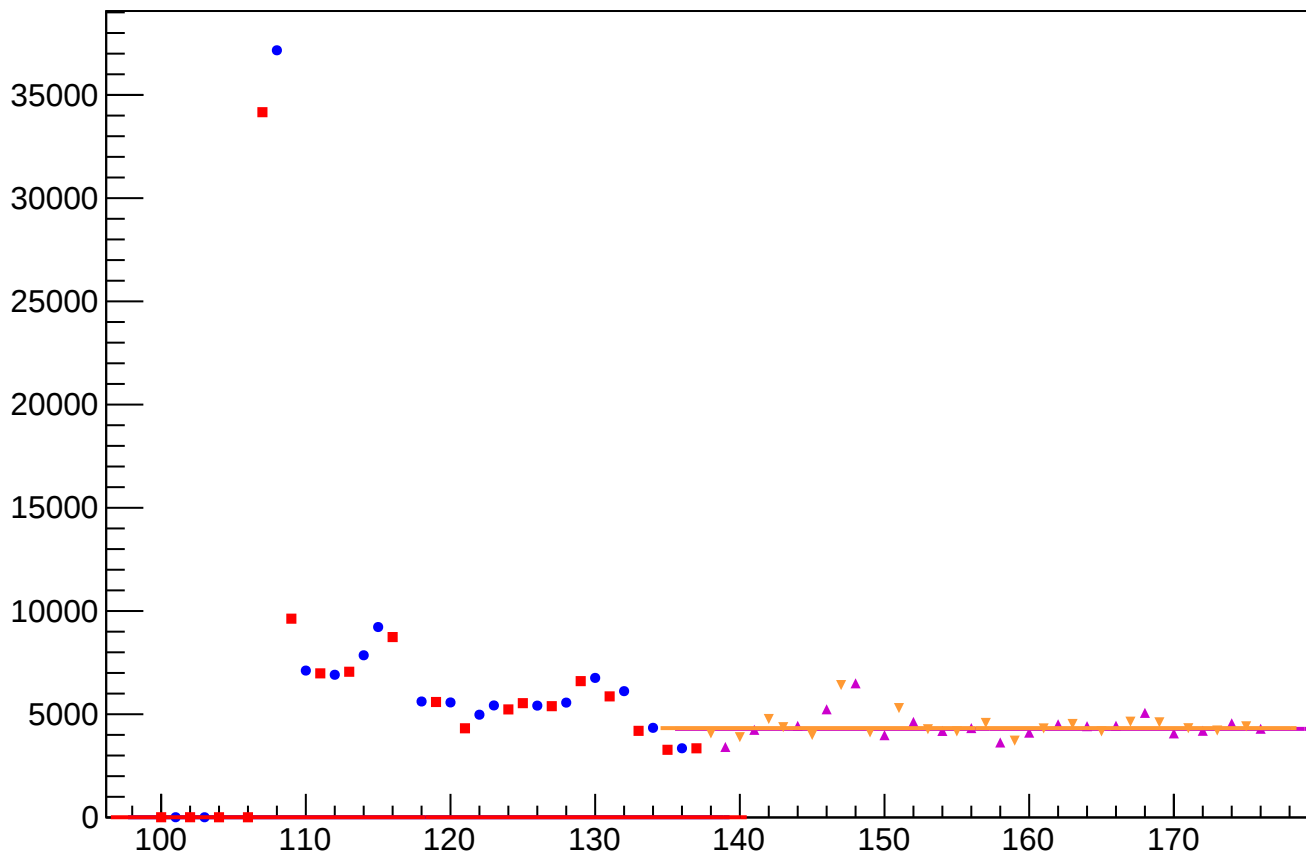
Right: -0.007+/-0.006 χ^2/NDF : 34.7/35

In: 0.001+/-0.009 χ^2/NDF : 48.7/35

Out: -0.014+/-0.009 χ^2/NDF : 36.7/38

All: -0.007+/-0.006 χ^2/NDF : 86.8/74

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10973577.1/16

Left Out: 4327.319 $\pm$ 0.795 χ^2 /NDF:331150.9/19

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11152667.7/18

Left In: 4290.691 $\pm$ 0.798 χ^2 /NDF:460752.1/18

Left: 4309.068 $\pm$ 0.563 χ^2 /NDF: 792960.0/38

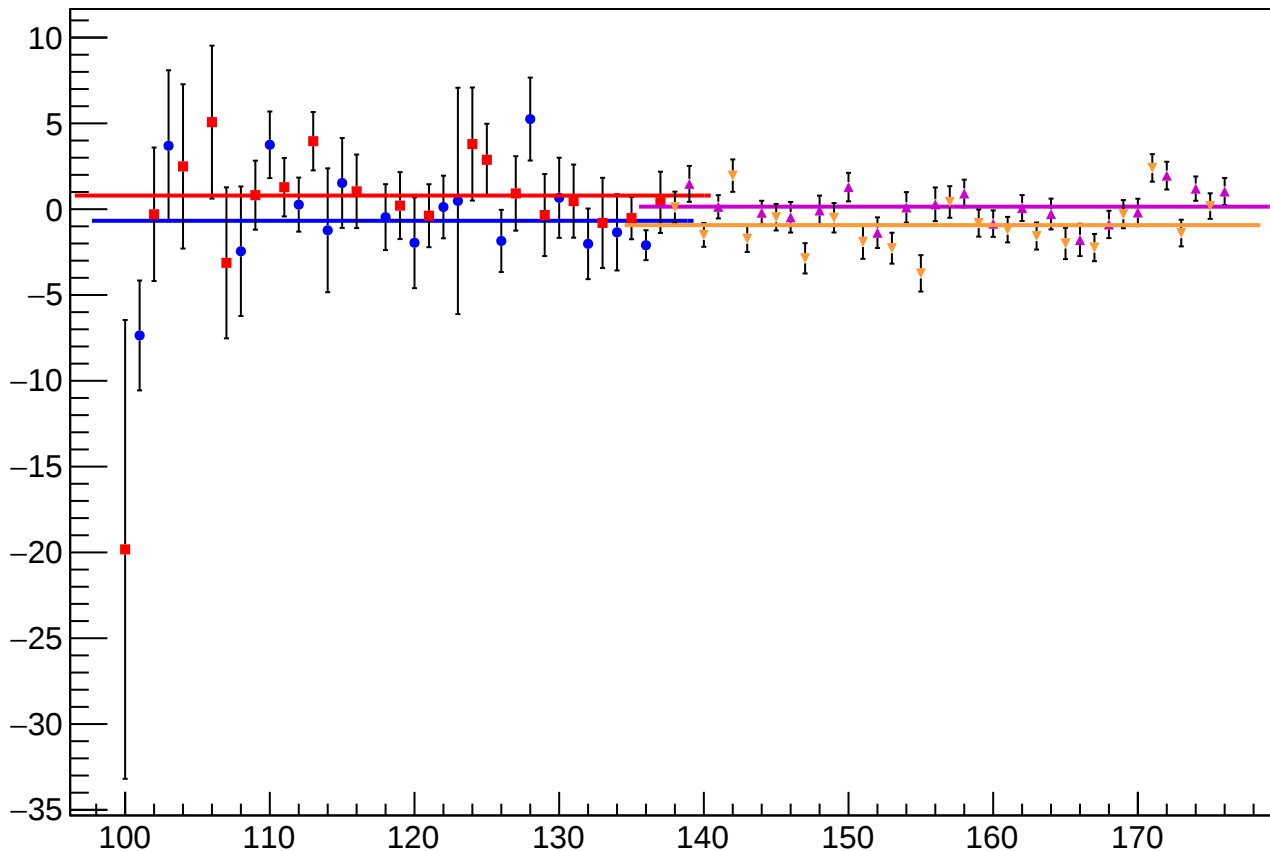
Right: 9.894 $\pm$ 0.004 χ^2 /NDF: 22126332.7/35

In: 10.223 $\pm$ 0.007 χ^2 /NDF:40206915.8/35

Out: 10.110 $\pm$ 0.006 χ^2 /NDF:40953023.3/38

All: 10.163 $\pm$ 0.004 χ^2 /NDF: 81160098.9/74

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.929 ± 0.186 χ^2/NDF : 55.4/19

Right Out: 0.795 ± 0.501 χ^2/NDF : 12.0/18

Left In: 0.147 ± 0.188 χ^2/NDF : 24.6/18

Left: -0.397 ± 0.132 χ^2/NDF : 96.6/38

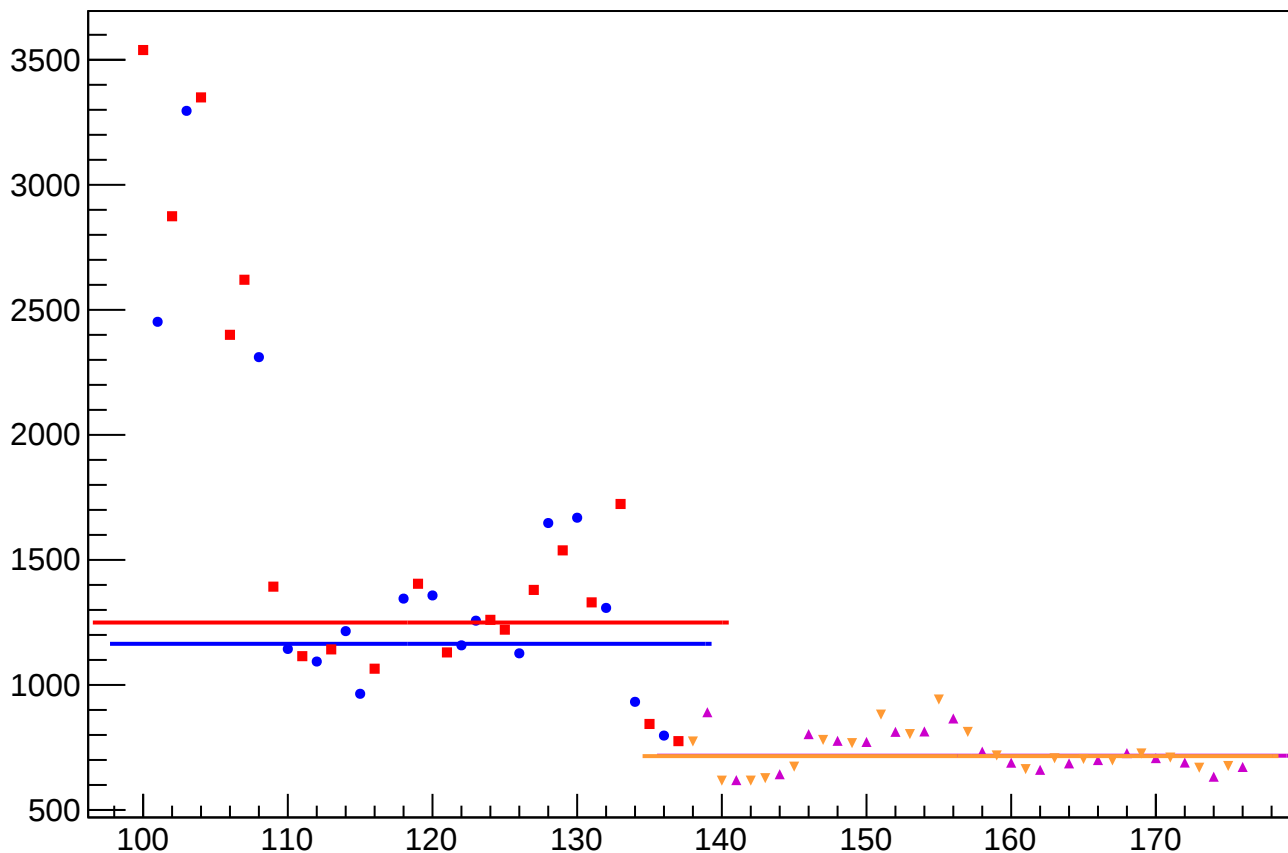
Right: 0.033 ± 0.348 χ^2/NDF : 38.7/35

In: 0.040 ± 0.175 χ^2/NDF : 49.4/35

Out: -0.721 ± 0.174 χ^2/NDF : 77.8/38

All: -0.343 ± 0.123 χ^2/NDF : 136.7/74

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 ± 0.342 $\chi^2/\text{NDF}: 1584212.9/16$

Left Out: 715.353 ± 0.131 $\chi^2/\text{NDF}: 332943.4/19$

Right Out: 1249.596 ± 0.354 $\chi^2/\text{NDF}: 1650133.1/18$

Left In: 717.026 ± 0.133 $\chi^2/\text{NDF}: 304151.8/18$

Left: 716.181 ± 0.093 $\chi^2/\text{NDF}: 637175.5/38$

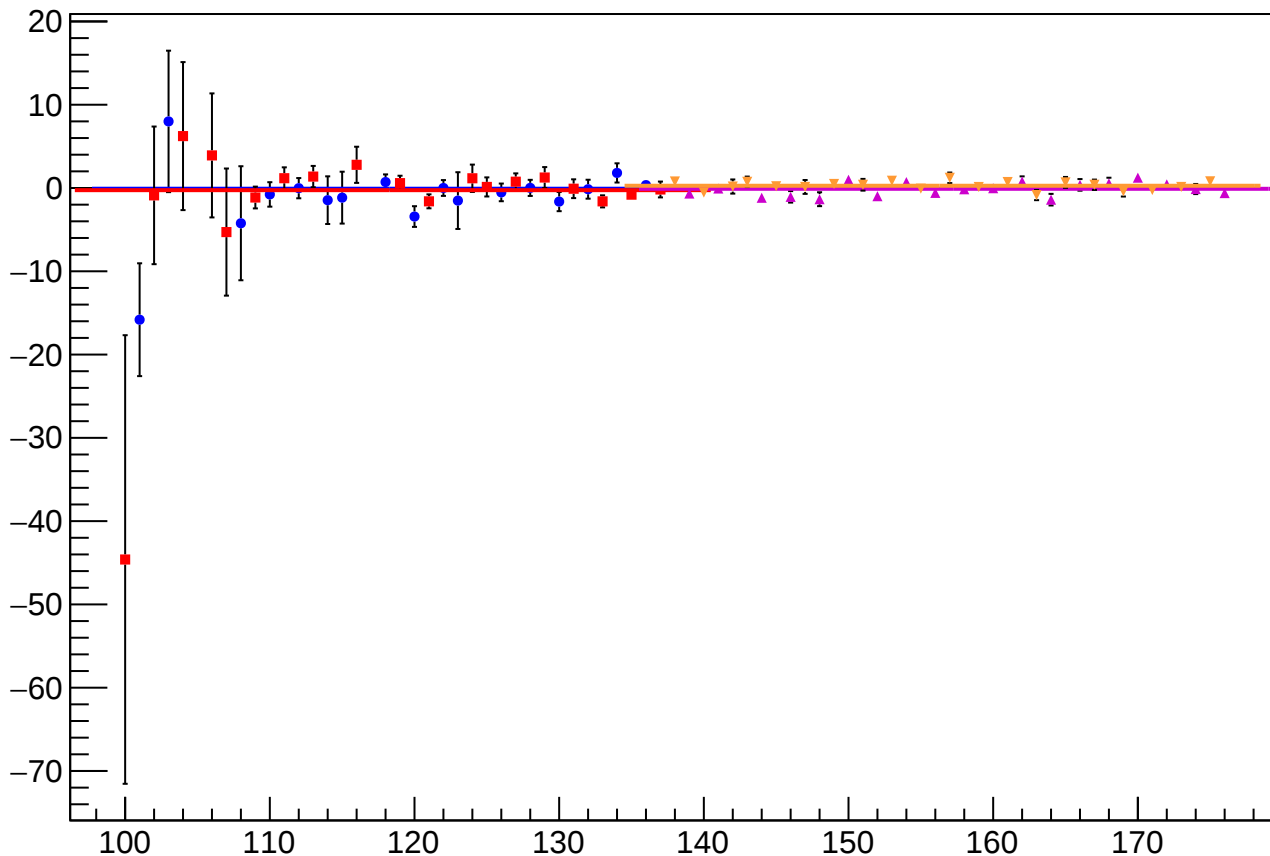
Right: 1205.546 ± 0.246 $\chi^2/\text{NDF}: 3264193.7/35$

In: 775.500 ± 0.124 $\chi^2/\text{NDF}: 3373357.0/35$

Out: 779.806 ± 0.123 $\chi^2/\text{NDF}: 3980598.3/38$

All: 777.664 ± 0.087 $\chi^2/\text{NDF}: 7354563.8/74$

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.271 ± 0.135 χ^2/NDF : 15.0/19

Right Out: -0.259 ± 0.264 χ^2/NDF : 20.4/18

Left In: -0.096 ± 0.136 χ^2/NDF : 33.0/18

Left: 0.088 ± 0.096 χ^2/NDF : 51.6/38

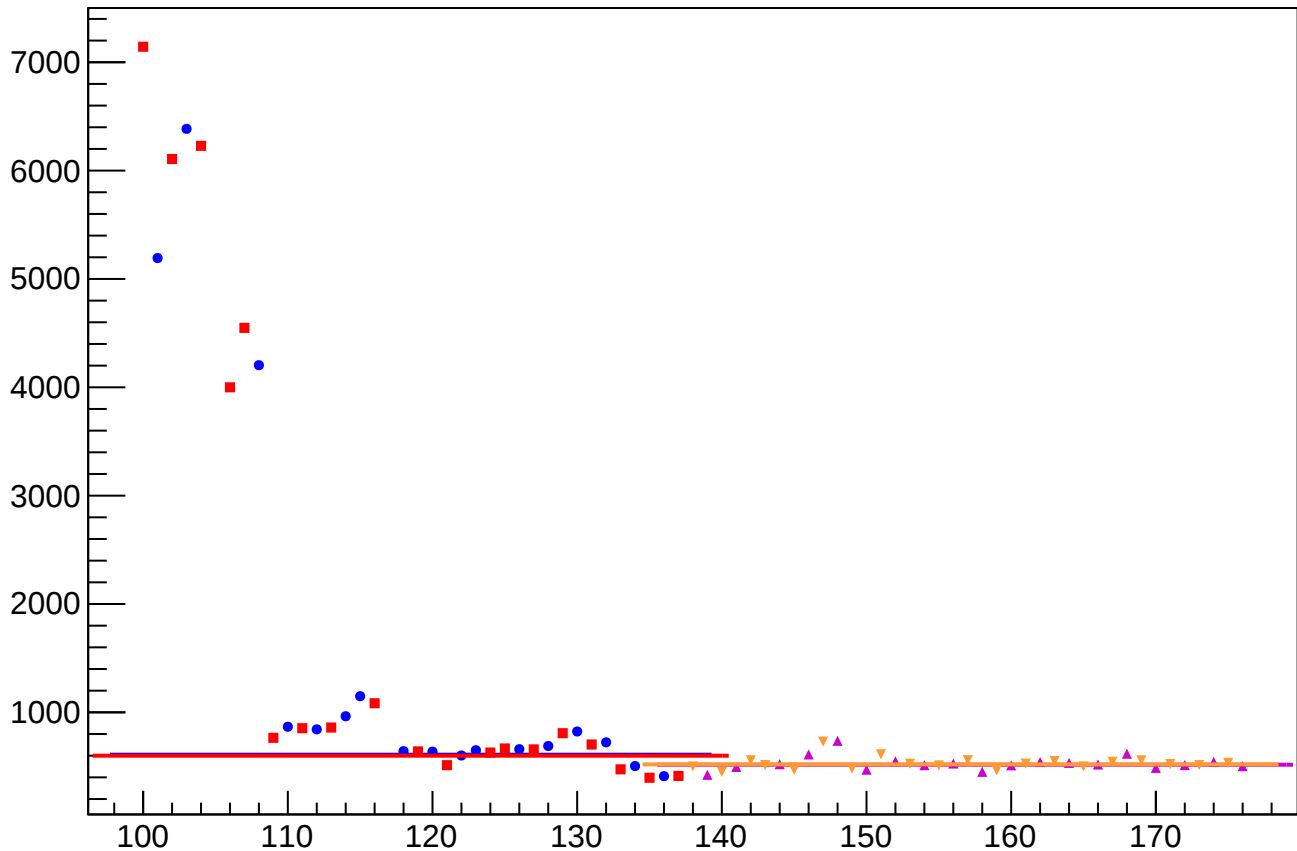
Right: -0.174 ± 0.189 χ^2/NDF : 41.7/35

In: -0.094 ± 0.121 χ^2/NDF : 54.0/35

Out: 0.161 ± 0.120 χ^2/NDF : 38.6/38

All: 0.035 ± 0.085 χ^2/NDF : 94.9/74

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 519.700 $\pm$ 0.095 χ^2 /NDF: 283596.7/19

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

Left In: 516.477 $\pm$ 0.096 χ^2 /NDF: 367331.0/18

Left: 518.097 $\pm$ 0.068 χ^2 /NDF: 651495.3/38

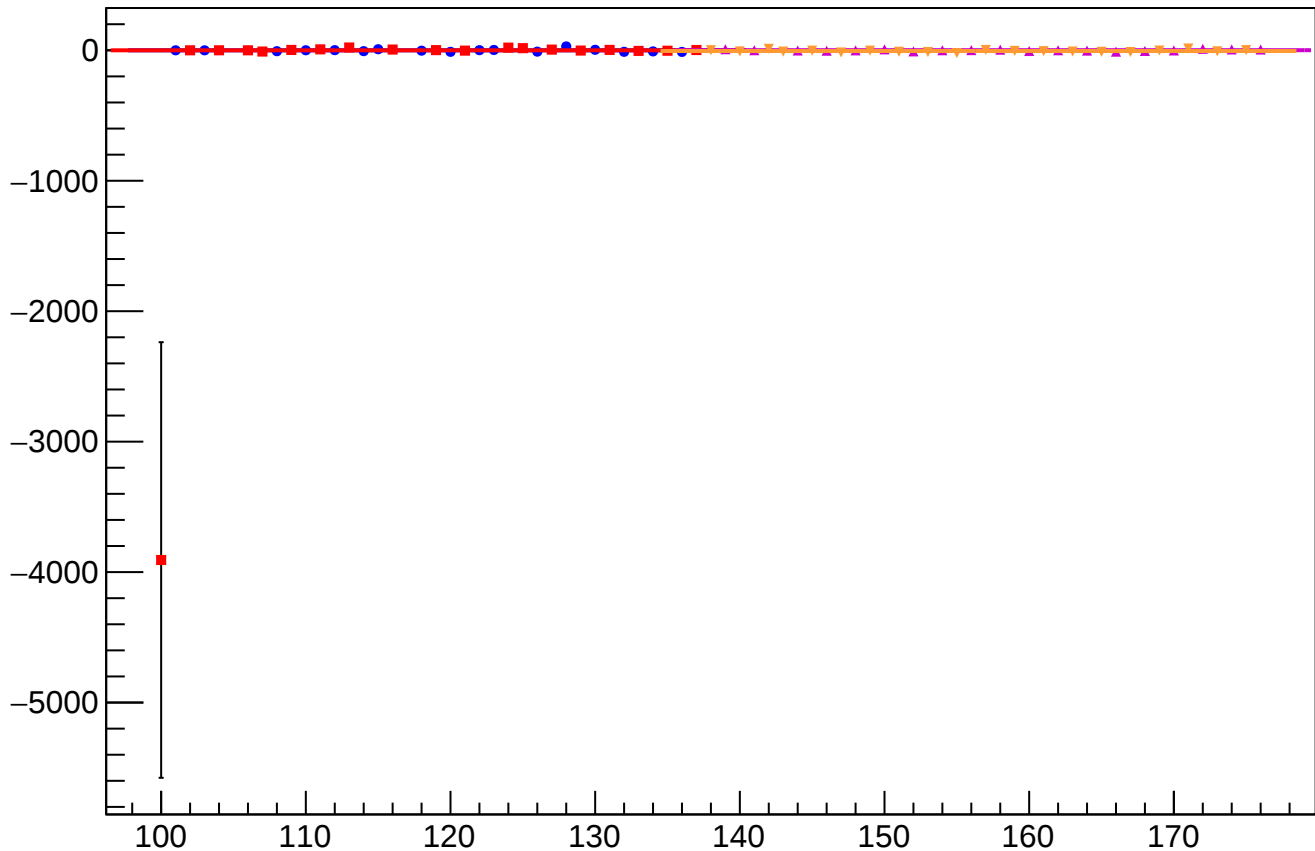
Right: 604.364 $\pm$ 0.134 χ^2 /NDF: 6687992.0/35

In: 535.098 $\pm$ 0.086 χ^2 /NDF: 3694011.0/35

Out: 536.278 $\pm$ 0.085 χ^2 /NDF: 3977286.7/38

All: 535.693 $\pm$ 0.060 χ^2 /NDF: 7671393.4/74

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -5.341 ± 1.080 χ^2/NDF : 55.4/19

Right Out: 0.027 ± 0.020 χ^2/NDF : 17.3/18

Left In: 0.907 ± 1.094 χ^2/NDF : 24.7/18

Left: -2.258 ± 0.768 χ^2/NDF : 96.6/38

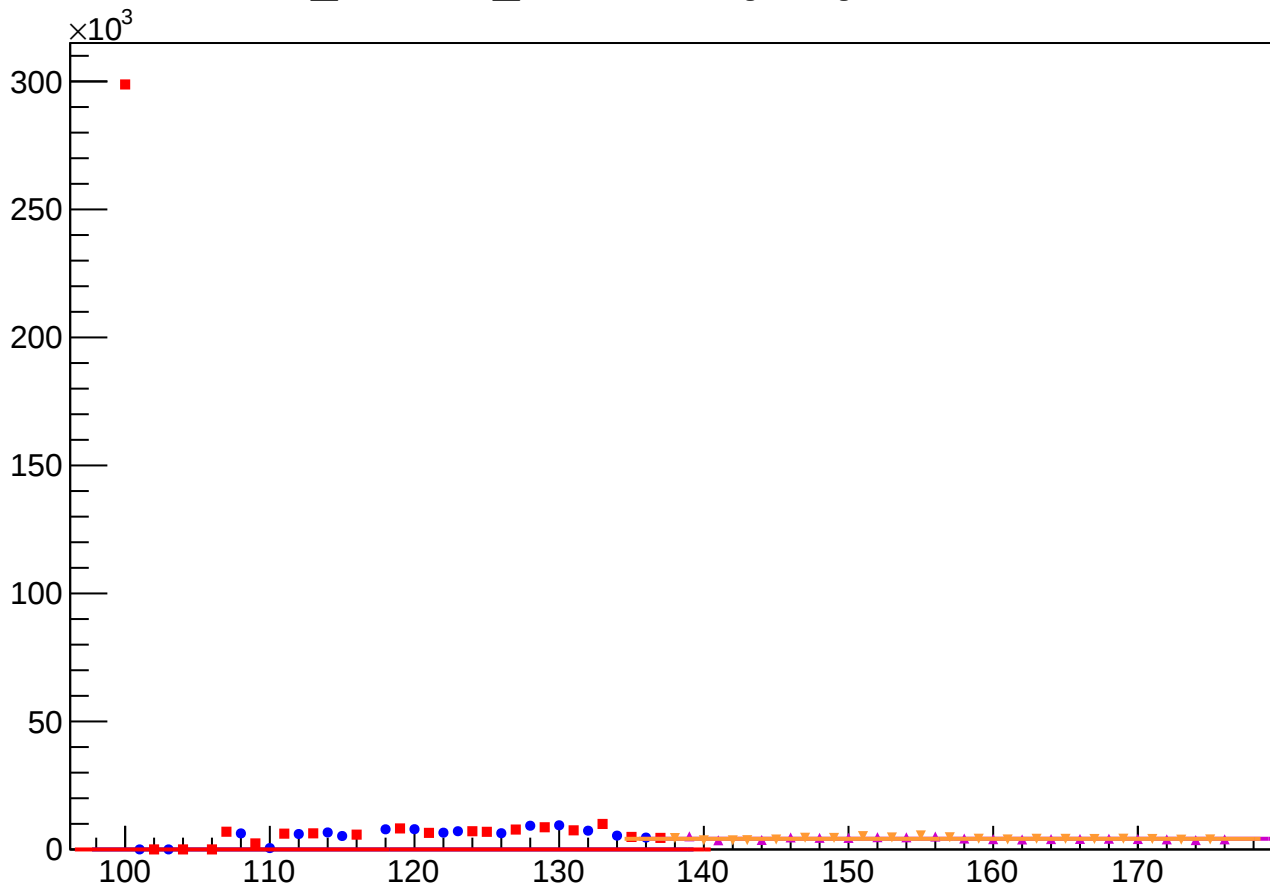
Right: 0.004 ± 0.014 χ^2/NDF : 35.4/35

In: -0.021 ± 0.021 χ^2/NDF : 40.7/35

Out: 0.025 ± 0.020 χ^2/NDF : 97.3/38

All: 0.003 ± 0.014 χ^2/NDF : 140.6/74

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 ± 0.015 $\chi^2/\text{NDF}: 10359409.4/16$

Left Out: 4157.671 ± 0.763 $\chi^2/\text{NDF}: 356711.7/19$

Right Out: 17.268 ± 0.014 $\chi^2/\text{NDF}: 10813350.8/18$

Left In: 4176.779 ± 0.773 $\chi^2/\text{NDF}: 313814.3/18$

Left: 4167.102 ± 0.543 $\chi^2/\text{NDF}: 670835.1/38$

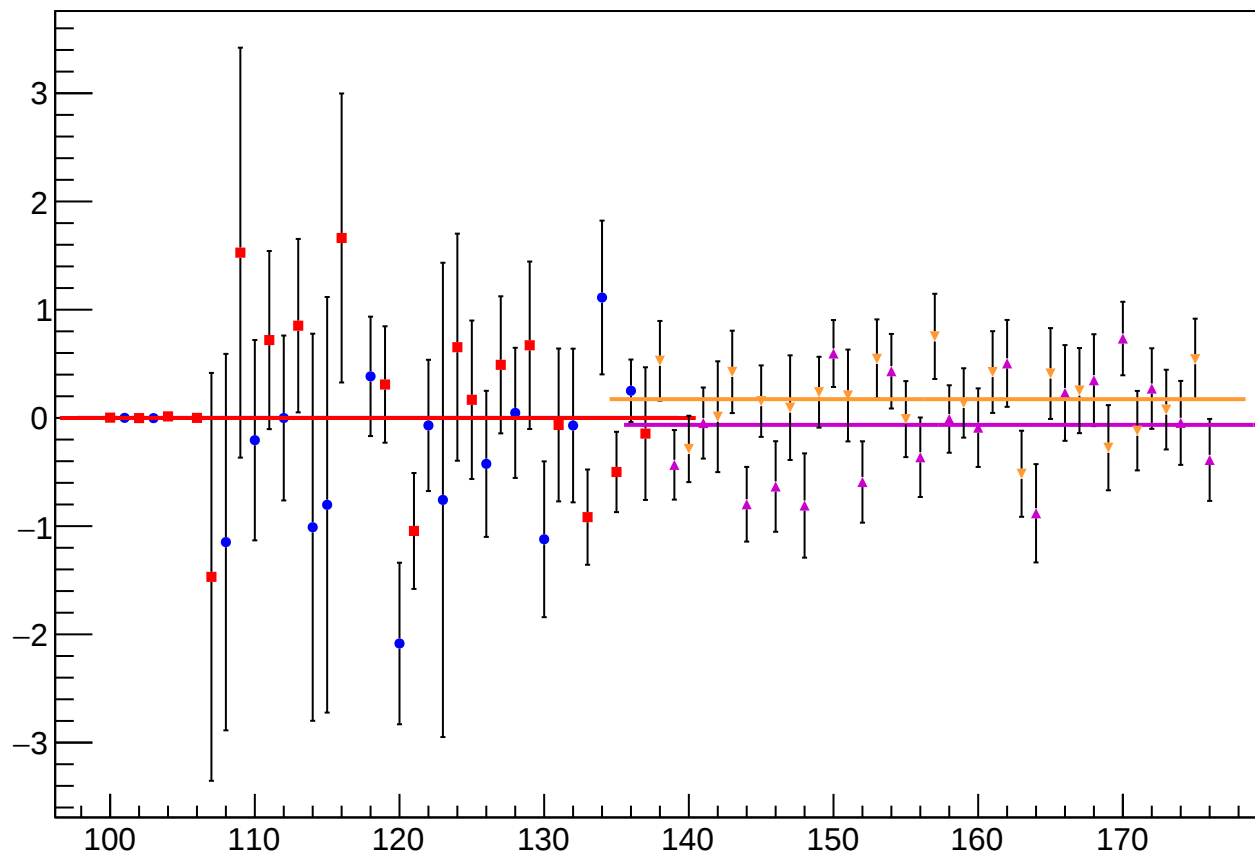
Right: 17.301 ± 0.010 $\chi^2/\text{NDF}: 21172771.7/35$

In: 18.840 ± 0.015 $\chi^2/\text{NDF}: 39592128.4/35$

Out: 18.657 ± 0.014 $\chi^2/\text{NDF}: 40573968.2/38$

All: 18.744 ± 0.010 $\chi^2/\text{NDF}: 80166178.0/74$

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.6/16

Left Out: 0.173 $\pm$ 0.084 χ^2 /NDF:14.1/19

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 17.8/18

Left In: -0.064 $\pm$ 0.085 χ^2 /NDF:33.1/18

Left: 0.056 $\pm$ 0.059 χ^2 /NDF: 51.1/38

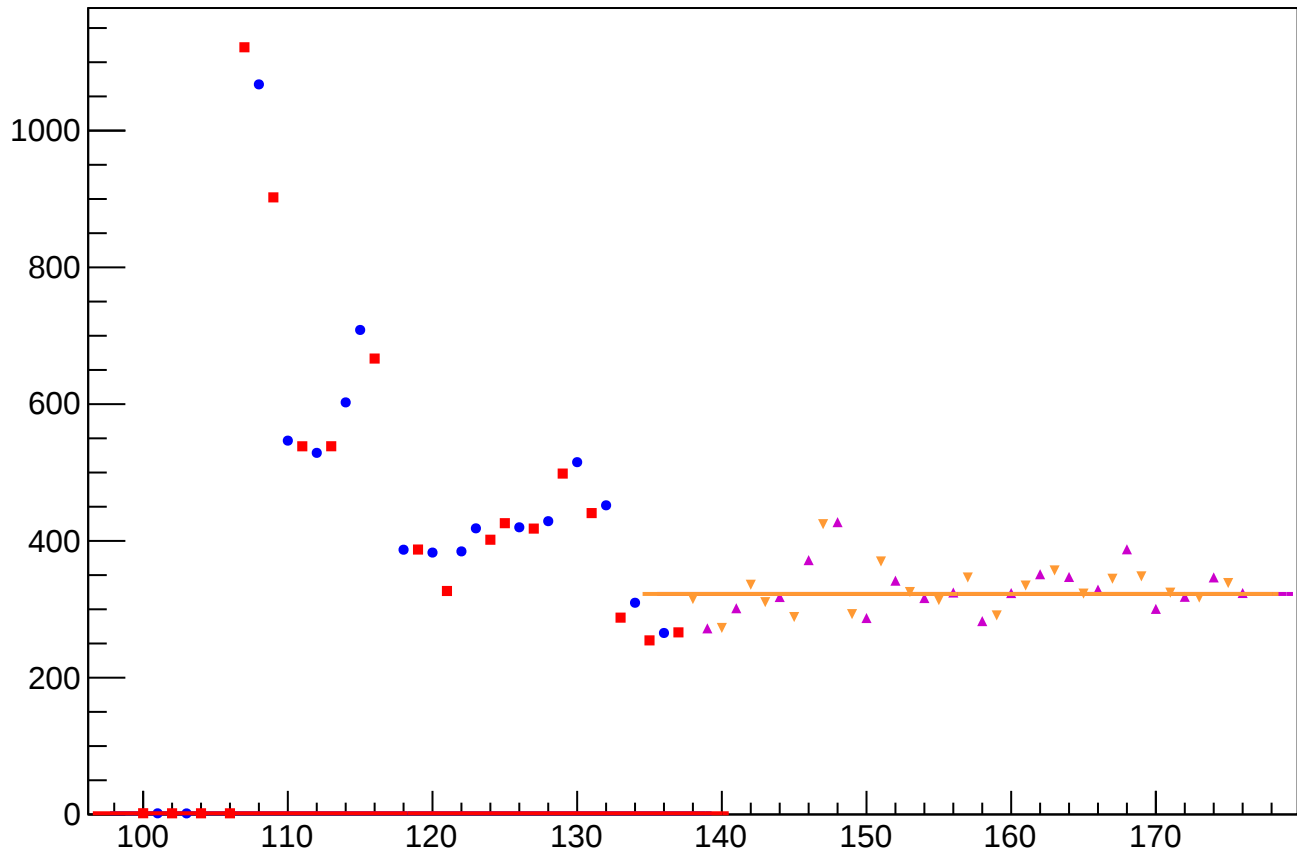
Right: -0.000 $\pm$ 0.001 χ^2 /NDF: 33.6/35

In: 0.000 $\pm$ 0.002 χ^2 /NDF:49.3/35

Out: -0.001 $\pm$ 0.002 χ^2 /NDF:36.2/38

All: -0.000 $\pm$ 0.001 χ^2 /NDF: 85.6/74

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 ± 0.001 χ^2/NDF : 10911617.0/16

Left Out: 322.459 ± 0.059 χ^2/NDF : 272260.9/19

Right Out: 1.728 ± 0.001 χ^2/NDF : 10736674.8/18

Left In: 322.436 ± 0.060 χ^2/NDF : 324987.4/18

Left: 322.447 ± 0.042 χ^2/NDF : 597248.4/38

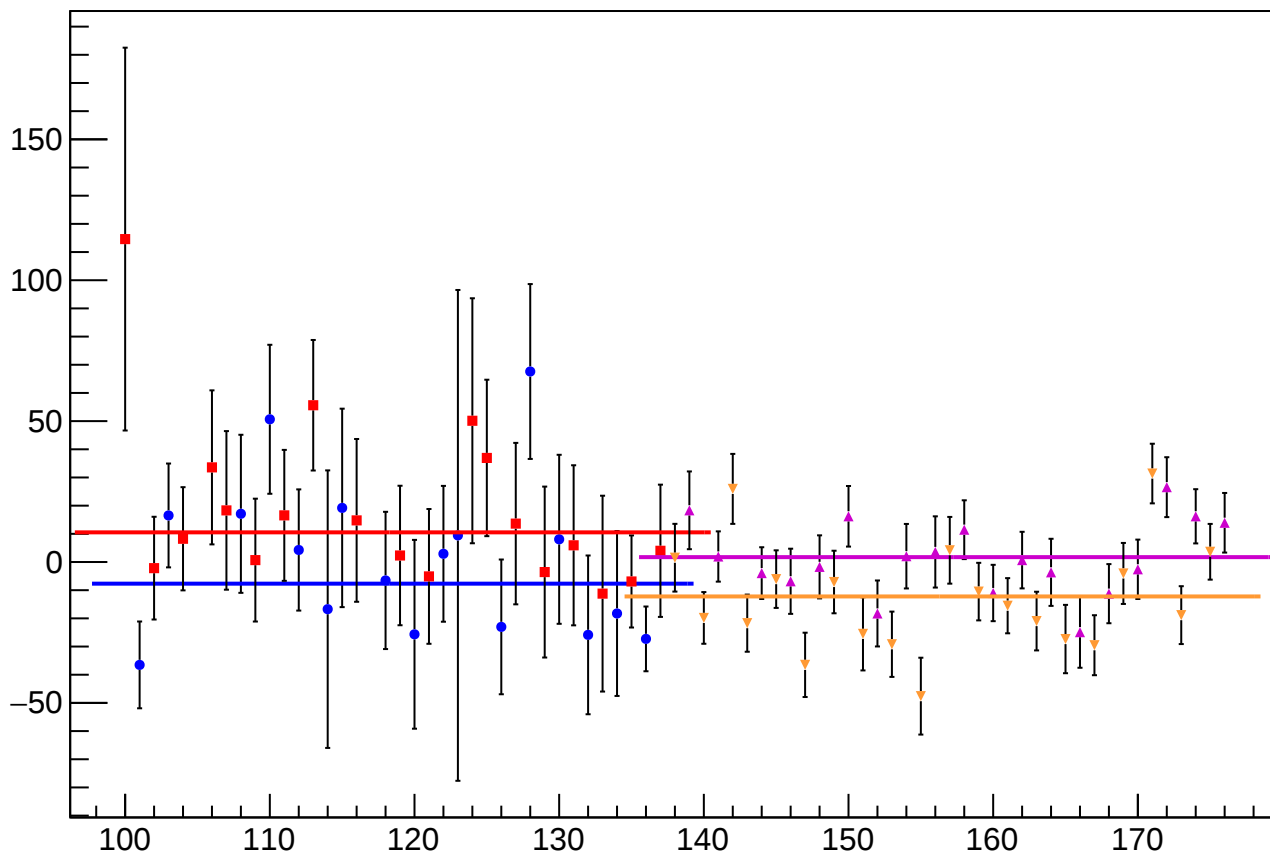
Right: 1.714 ± 0.001 χ^2/NDF : 21648518.8/35

In: 1.882 ± 0.001 χ^2/NDF : 39988300.3/35

Out: 1.900 ± 0.001 χ^2/NDF : 40362330.9/38

All: 1.892 ± 0.001 χ^2/NDF : 80350714.3/74

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -12.221 ± 2.437 $\chi^2/\text{NDF}: 54.9/19$

Right Out: 10.524 ± 5.682 $\chi^2/\text{NDF}: 11.9/18$

Left In: 1.731 ± 2.468 $\chi^2/\text{NDF}: 25.1/18$

Left: -5.333 ± 1.734 $\chi^2/\text{NDF}: 96.2/38$

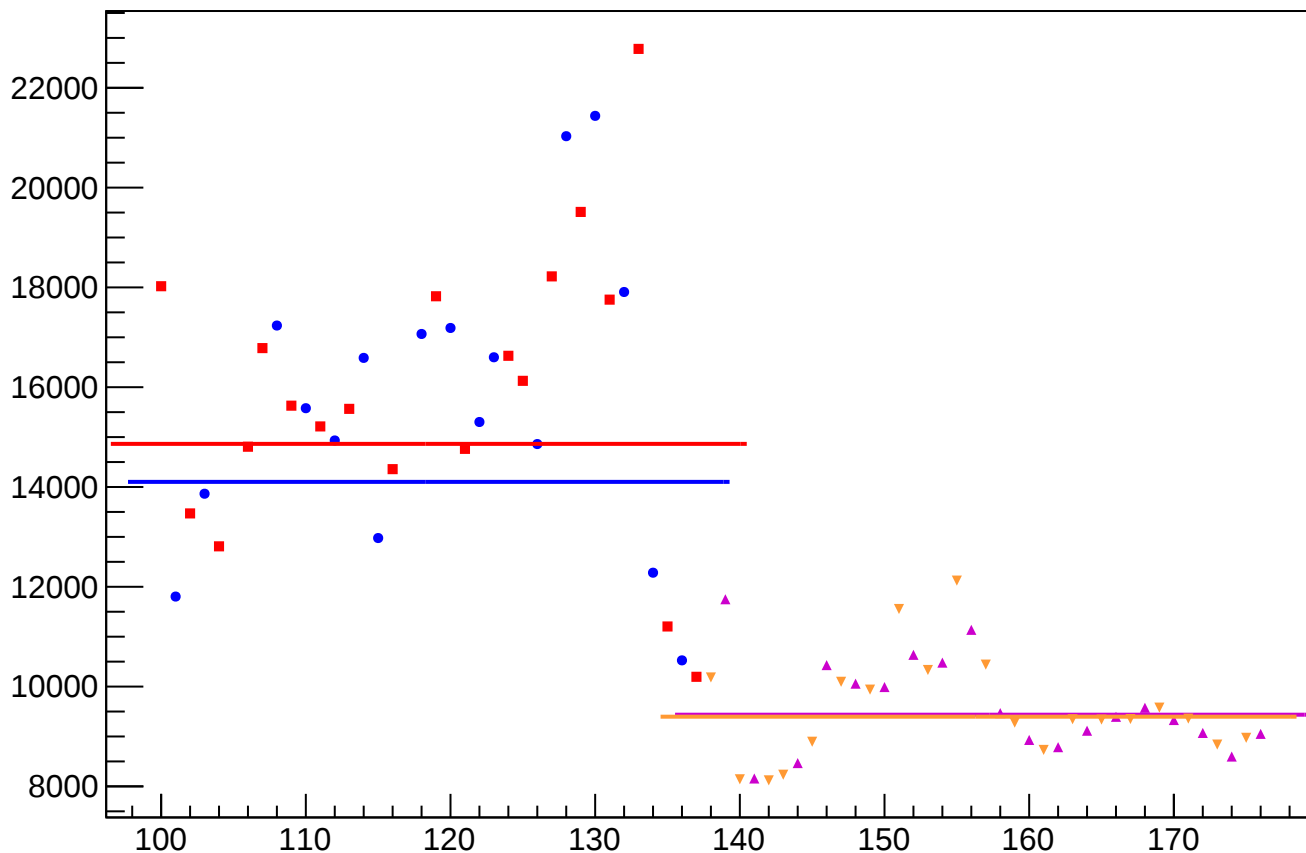
Right: 1.332 ± 3.998 $\chi^2/\text{NDF}: 39.4/35$

In: 0.212 ± 2.261 $\chi^2/\text{NDF}: 49.8/35$

Out: -8.687 ± 2.240 $\chi^2/\text{NDF}: 80.2/38$

All: -4.278 ± 1.591 $\chi^2/\text{NDF}: 137.9/74$

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9396.603 $\pm$ 1.723 χ^2 /NDF:294198.4/19

Right Out: 14864.163 $\pm$ 4.018 χ^2 /NDF: 470280.3/18

Left In: 9436.431 $\pm$ 1.745 χ^2 /NDF:255562.6/18

Left: 9416.265 $\pm$ 1.226 χ^2 /NDF: 550024.7/38

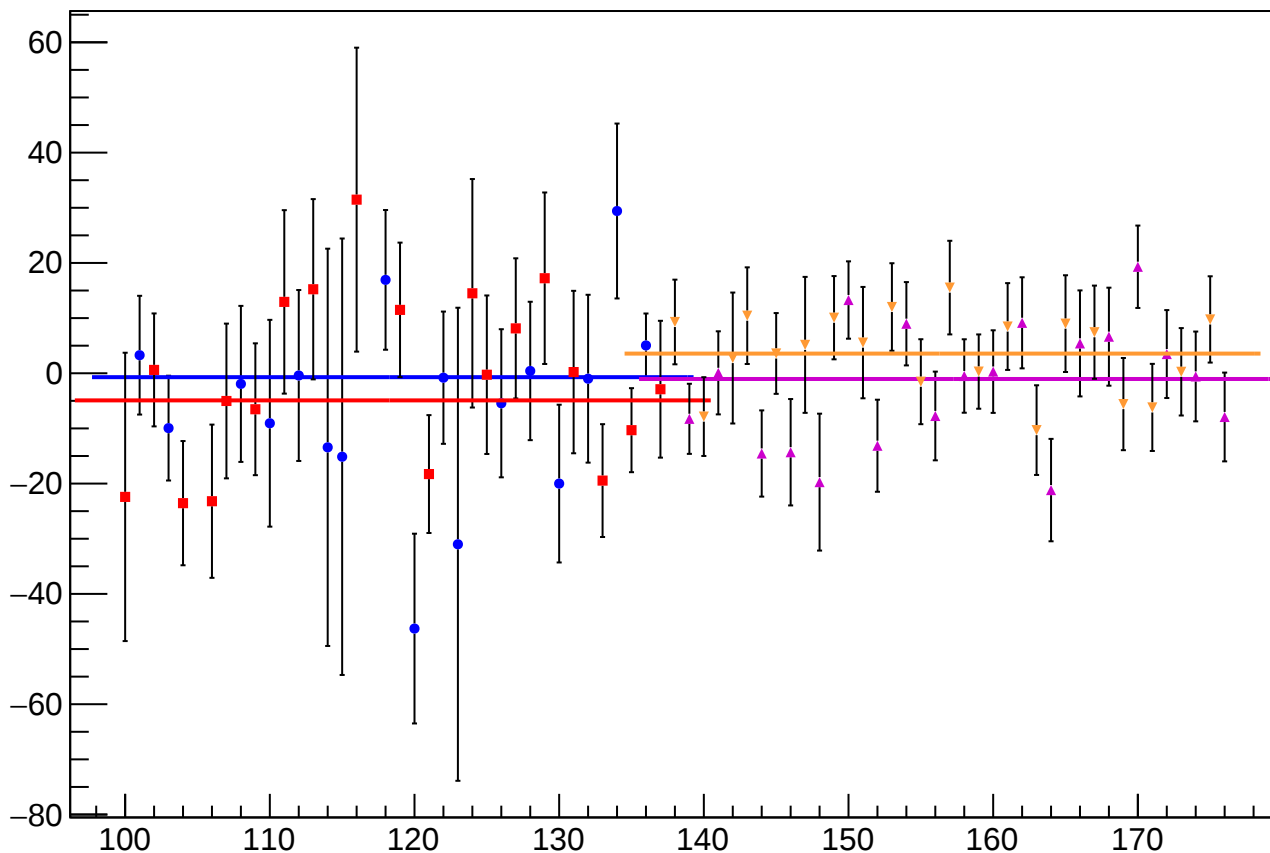
Right: 14479.636 $\pm$ 2.827 χ^2 /NDF: 1087356.3/35

In: 10189.412 $\pm$ 1.598 χ^2 /NDF:2007735.1/35

Out: 10246.243 $\pm$ 1.584 χ^2 /NDF:2328454.3/38

All: 10218.087 $\pm$ 1.125 χ^2 /NDF: 4336827.2/77

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 3.565 ± 1.829 χ^2/NDF : 15.8/19

Right Out: -4.918 ± 2.940 χ^2/NDF : 19.8/18

Left In: -1.038 ± 1.832 χ^2/NDF : 33.1/18

Left: 1.267 ± 1.294 χ^2/NDF : 52.0/38

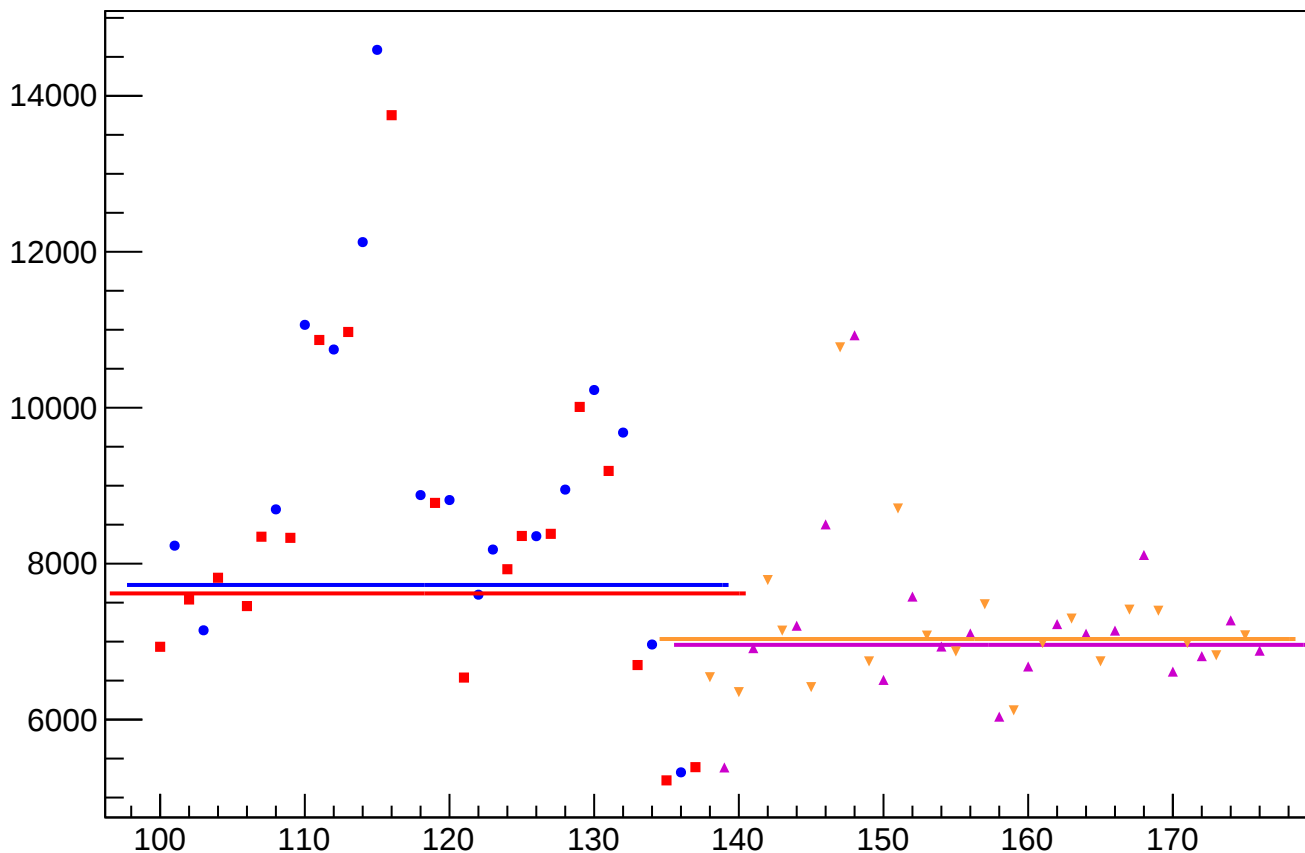
Right: -2.914 ± 2.128 χ^2/NDF : 38.3/35

In: -0.952 ± 1.575 χ^2/NDF : 50.7/35

Out: 1.198 ± 1.553 χ^2/NDF : 41.5/38

All: 0.138 ± 1.106 χ^2/NDF : 93.2/74

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 7033.610+/-1.293 χ^2/NDF : 348122.0/19

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

Left In: 6958.507+/-1.295 χ^2/NDF : 486472.4/18

Left: 6996.112+/-0.915 χ^2/NDF : 836278.1/38

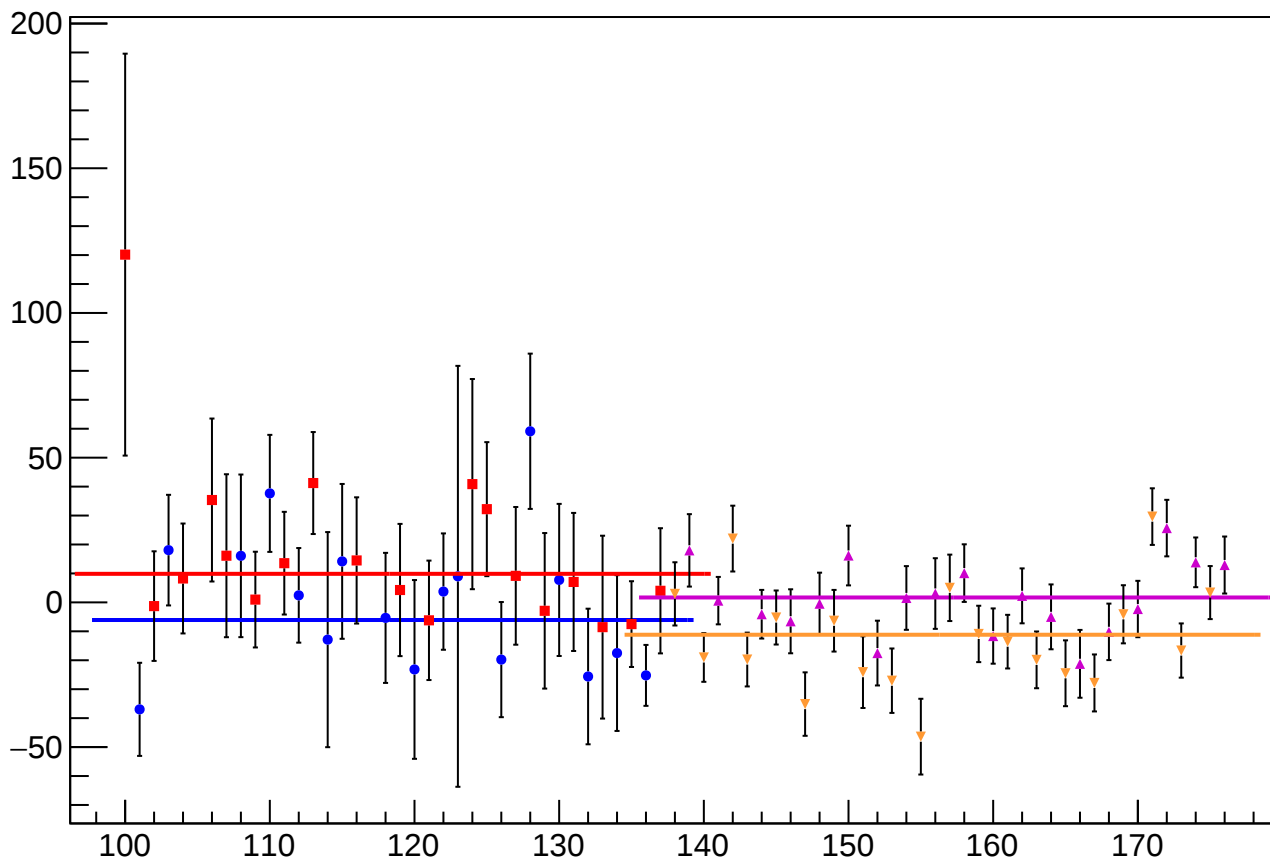
Right: 7669.883+/-1.504 χ^2/NDF : 1418936.4/35

In: 7158.880+/-1.114 χ^2/NDF : 1320750.8/35

Out: 7196.773+/-1.098 χ^2/NDF : 1080271.2/38

All: 7178.091+/-0.782 χ^2/NDF : 2401609.0/74

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -11.182 ± 2.278 $\chi^2/\text{NDF}: 55.5/19$

Right Out: 9.864 ± 5.004 $\chi^2/\text{NDF}: 11.6/18$

Left In: 1.691 ± 2.309 $\chi^2/\text{NDF}: 25.5/18$

Left: -4.835 ± 1.622 $\chi^2/\text{NDF}: 96.8/38$

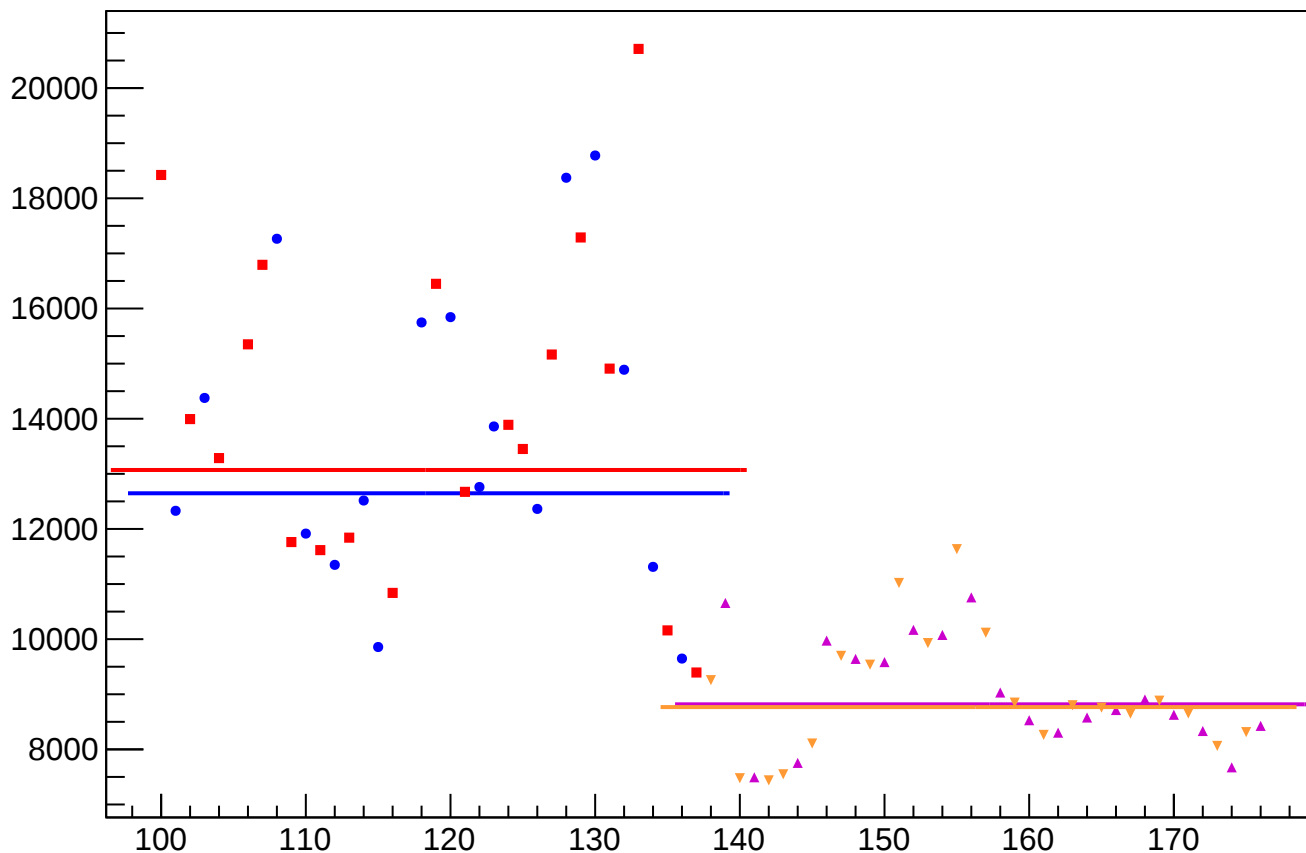
Right: 1.934 ± 3.549 $\chi^2/\text{NDF}: 39.6/35$

In: 0.338 ± 2.099 $\chi^2/\text{NDF}: 50.4/35$

Out: -7.569 ± 2.073 $\chi^2/\text{NDF}: 81.8/38$

All: -3.665 ± 1.475 $\chi^2/\text{NDF}: 139.4/74$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2 /NDF: 554320.4/16

Left Out: 8767.546 $\pm$ 1.611 χ^2 /NDF:382329.5/19

Right Out: 13069.930 $\pm$ 3.538 χ^2 /NDF: 496271.7/18

Left In: 8817.441 $\pm$ 1.633 χ^2 /NDF:332202.2/18

Left: 8792.149 $\pm$ 1.147 χ^2 /NDF: 715005.0/38

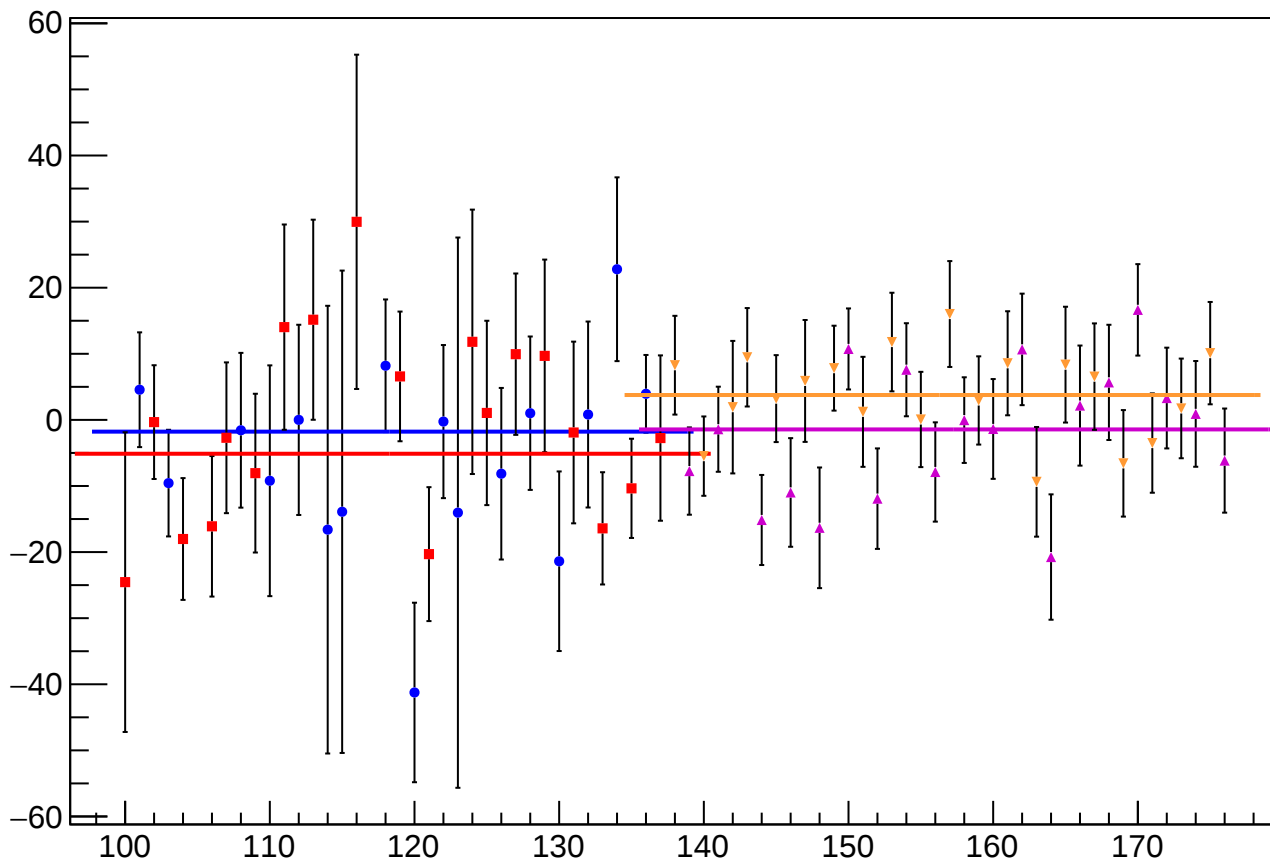
Right: 12859.864 $\pm$ 2.509 χ^2 /NDF: 1057685.3/35

In: 9483.427 $\pm$ 1.484 χ^2 /NDF:1842940.3/35

Out: 9506.105 $\pm$ 1.466 χ^2 /NDF:2103511.1/38

All: 9494.908 $\pm$ 1.043 χ^2 /NDF: 3946569.6/74

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 $\pm$ 2.806 χ^2/NDF : 18.0/16

Left Out: 3.764 $\pm$ 1.693 χ^2/NDF :14.3/19

Right Out: -5.122 $\pm$ 2.642 χ^2/NDF : 18.9/18

Left In: -1.442 $\pm$ 1.718 χ^2/NDF :31.9/18

Left: 1.199 $\pm$ 1.206 χ^2/NDF : 50.9/38

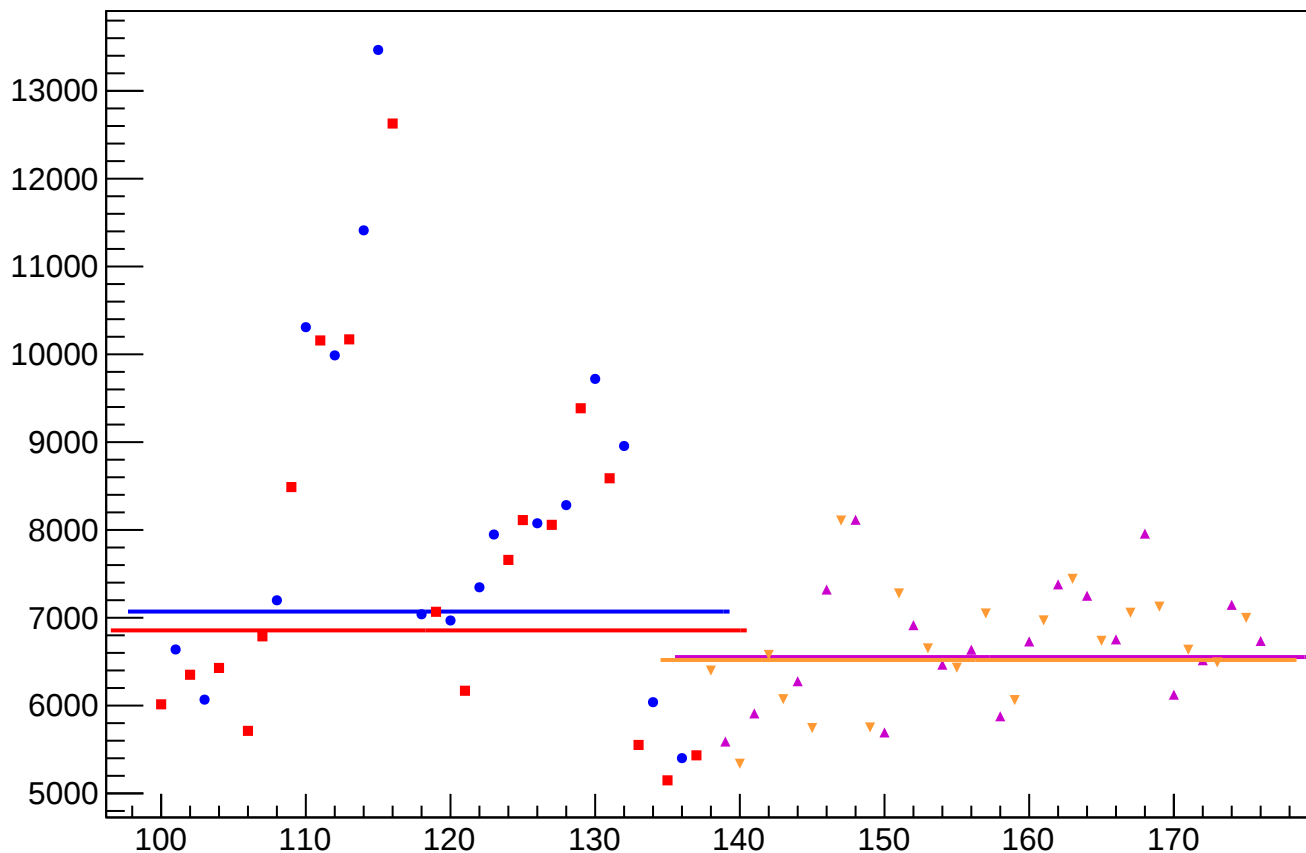
Right: -3.550 $\pm$ 1.923 χ^2/NDF : 37.6/35

In: -1.533 $\pm$ 1.465 χ^2/NDF :49.9/35

Out: 1.177 $\pm$ 1.425 χ^2/NDF :41.2/38

All: -0.141 $\pm$ 1.022 χ^2/NDF : 92.9/74

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6519.494 $\pm$ 1.197 χ^2 /NDF: 297641.5/19

Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

Left In: 6552.476 $\pm$ 1.215 χ^2 /NDF: 311779.3/18

Left: 6535.743 $\pm$ 0.853 χ^2 /NDF: 609794.9/38

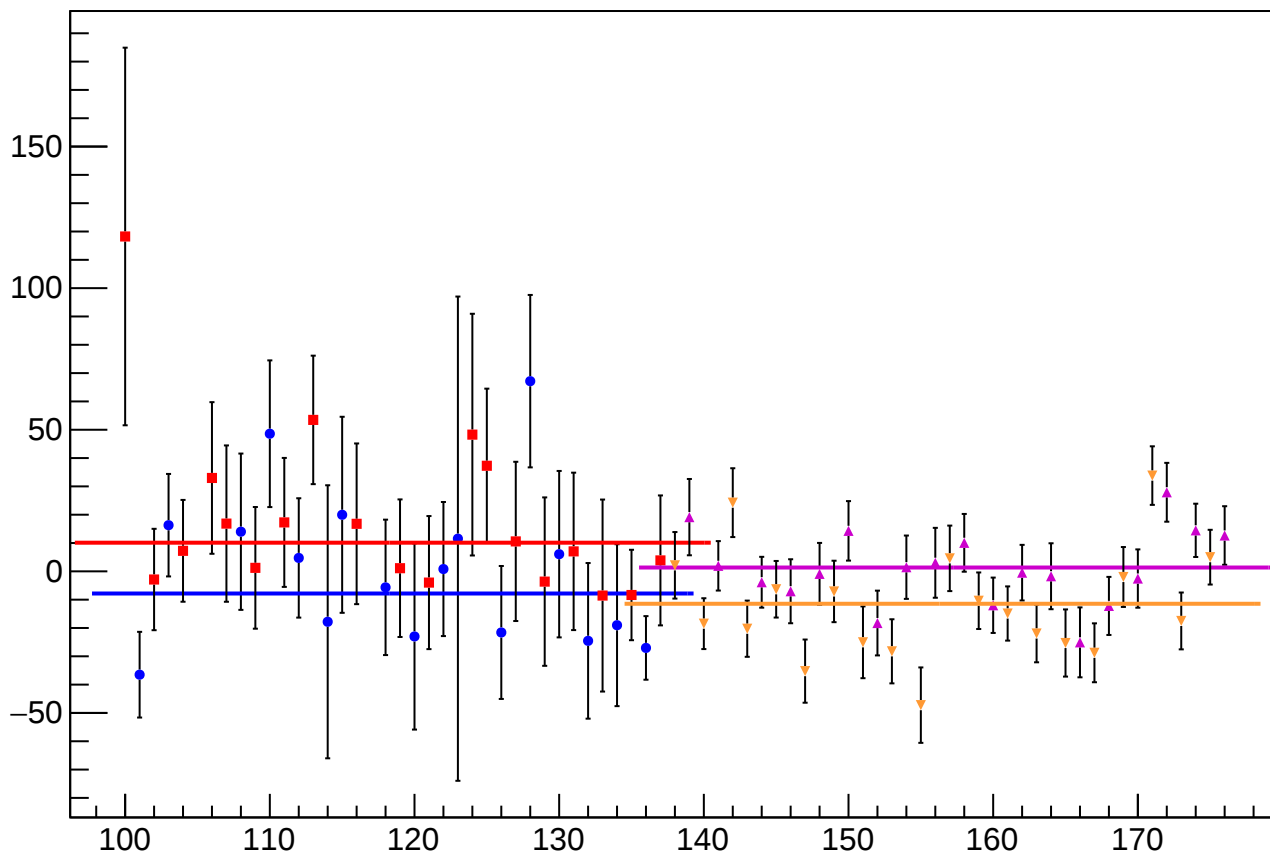
Right: 6956.947 $\pm$ 1.360 χ^2 /NDF: 1290110.2/35

In: 6693.743 $\pm$ 1.036 χ^2 /NDF: 963086.6/35

Out: 6617.483 $\pm$ 1.008 χ^2 /NDF: 1002883.6/38

All: 6654.564 $\pm$ 0.722 χ^2 /NDF: 1968754.1/74

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 $\pm$ 5.516 χ^2/NDF : 22.3/16

Left Out: -11.449 $\pm$ 2.383 χ^2/NDF : 57.4/19

Right Out: 10.117 $\pm$ 5.571 χ^2/NDF : 12.2/18

Left In: 1.350 $\pm$ 2.413 χ^2/NDF : 26.0/18

Left: -5.131 $\pm$ 1.695 χ^2/NDF : 97.7/38

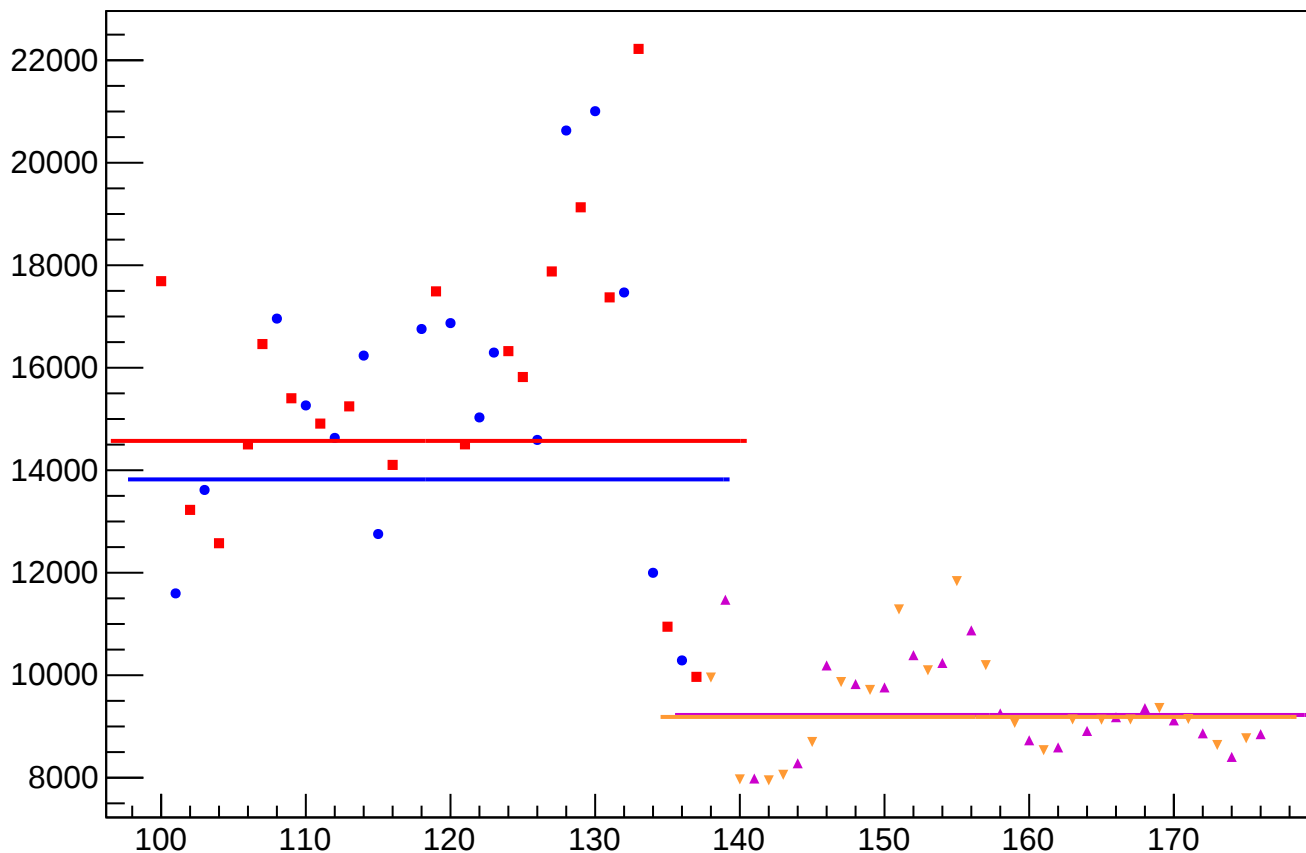
Right: 1.056 $\pm$ 3.920 χ^2/NDF : 39.7/35

In: -0.124 $\pm$ 2.211 χ^2/NDF : 50.6/35

Out: -8.115 $\pm$ 2.191 χ^2/NDF : 82.3/38

All: -4.156 $\pm$ 1.556 χ^2/NDF : 139.4/74

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2 /NDF: 602672.4/16

Left Out: 9186.118 $\pm$ 1.685 χ^2 /NDF: 291082.6/19

Right Out: 14572.437 $\pm$ 3.939 χ^2 /NDF: 472468.2/18

Left In: 9224.592 $\pm$ 1.706 χ^2 /NDF: 252732.9/18

Left: 9205.111 $\pm$ 1.199 χ^2 /NDF: 544073.0/38

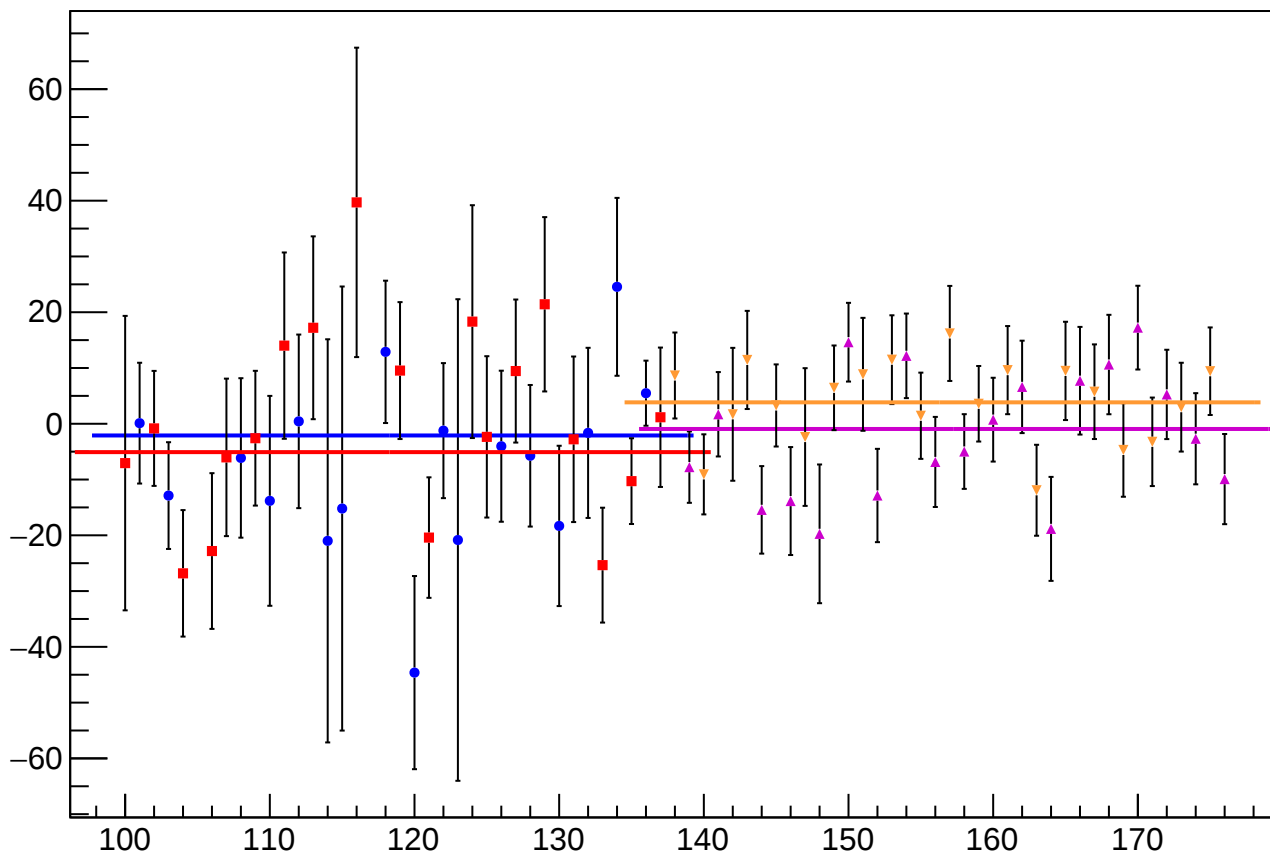
Right: 14193.062 $\pm$ 2.772 χ^2 /NDF: 1093505.5/35

In: 9962.917 $\pm$ 1.563 χ^2 /NDF: 2021276.1/35

Out: 10018.893 $\pm$ 1.549 χ^2 /NDF: 2343996.8/38

All: 9991.159 $\pm$ 1.100 χ^2 /NDF: 4365919.9/74

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 3.840 ± 1.837 $\chi^2/\text{NDF}: 15.2/19$

Right Out: -5.085 ± 2.962 $\chi^2/\text{NDF}: 24.8/18$

Left In: -0.934 ± 1.840 $\chi^2/\text{NDF}: 34.3/18$

Left: 1.457 ± 1.300 $\chi^2/\text{NDF}: 52.9/38$

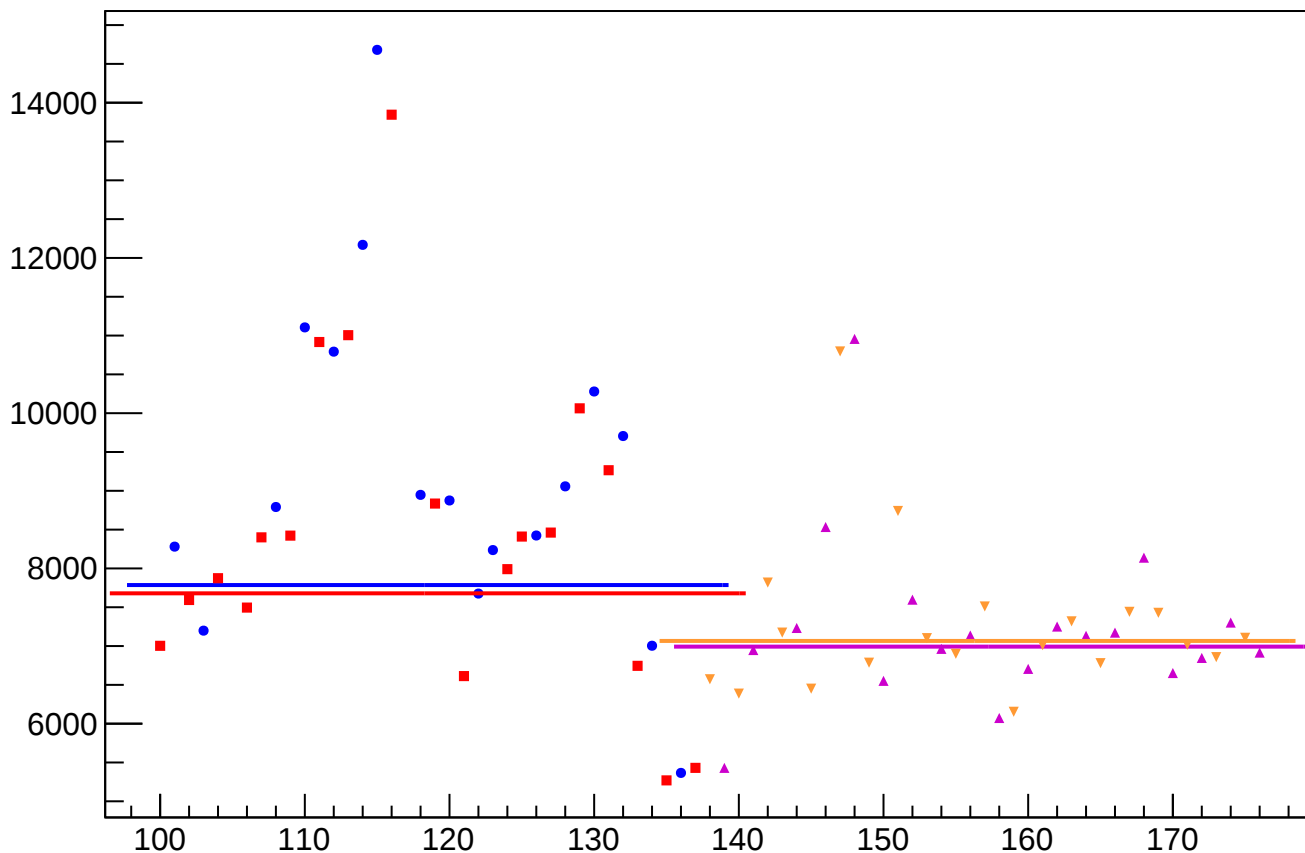
Right: -3.662 ± 2.144 $\chi^2/\text{NDF}: 40.9/35$

In: -1.236 ± 1.583 $\chi^2/\text{NDF}: 50.1/35$

Out: 1.361 ± 1.561 $\chi^2/\text{NDF}: 46.5/38$

All: 0.081 ± 1.112 $\chi^2/\text{NDF}: 98.0/74$

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7065.915+/-1.299 χ^2/NDF : 344157.9/19

Right Out: 7679.182+/-2.095 χ^2/NDF : 668736.8/18

Left In: 6992.533+/-1.301 χ^2/NDF : 478331.6/18

Left: 7029.285+/-0.919 χ^2/NDF : 824082.3/38

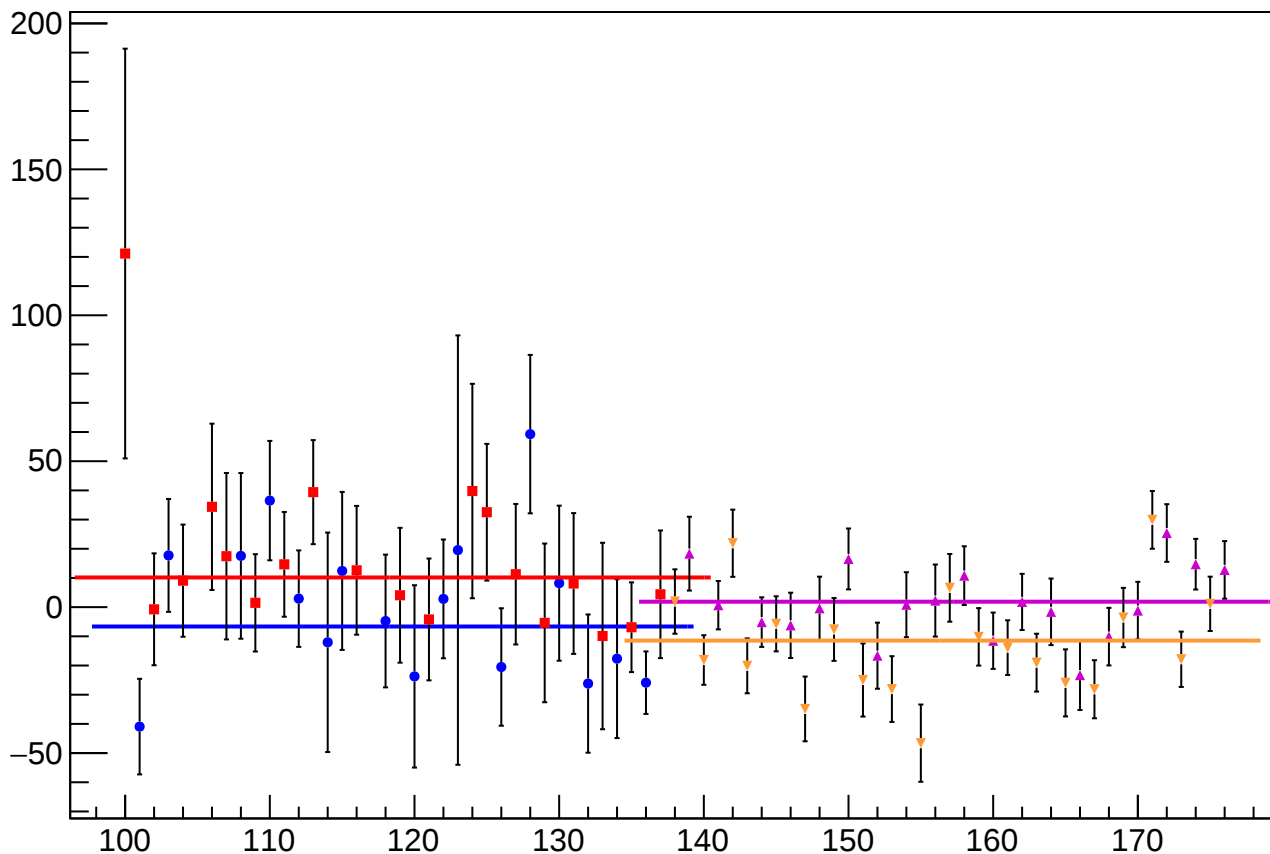
Right: 7730.020+/-1.516 χ^2/NDF : 1408075.7/35

In: 7198.628+/-1.120 χ^2/NDF : 1313004.8/35

Out: 7236.278+/-1.104 χ^2/NDF : 1074804.5/38

All: 7217.716+/-0.786 χ^2/NDF : 2388382.7/74

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 $\pm$ 5.101 χ^2/NDF : 23.4/16

Left Out: -11.458 $\pm$ 2.304 χ^2/NDF : 54.6/19

Right Out: 10.172 $\pm$ 5.075 χ^2/NDF : 10.8/18

Left In: 1.864 $\pm$ 2.336 χ^2/NDF : 25.5/18

Left: -4.891 $\pm$ 1.640 χ^2/NDF : 96.5/38

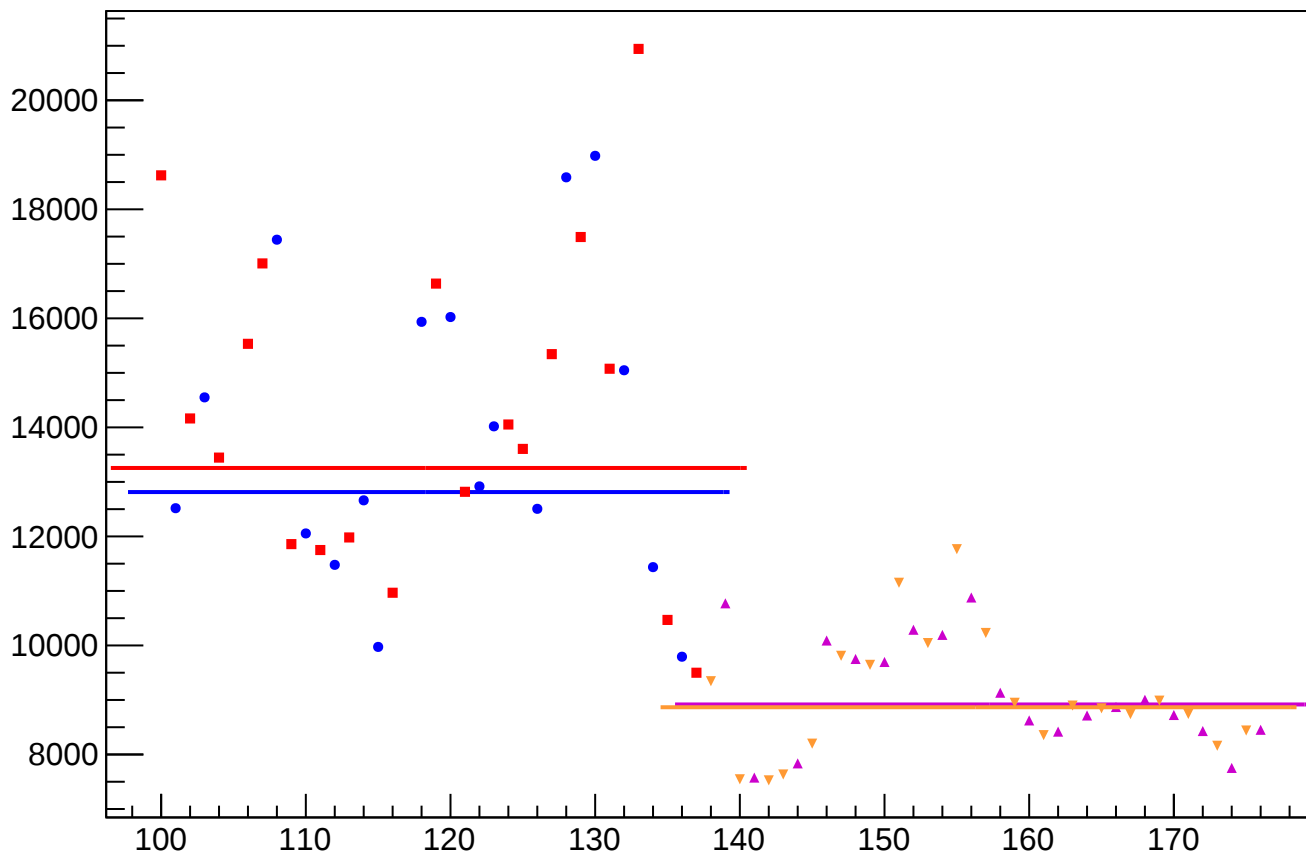
Right: 1.813 $\pm$ 3.598 χ^2/NDF : 39.7/35

In: 0.391 $\pm$ 2.124 χ^2/NDF : 51.2/35

Out: -7.763 $\pm$ 2.098 χ^2/NDF : 80.4/38

All: -3.737 $\pm$ 1.492 χ^2/NDF : 139.1/74

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8866.346+/-1.629 χ^2/NDF : 382873.0/19

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

Left In: 8917.535+/-1.652 χ^2/NDF : 333921.5/18

Left: 8891.580+/-1.160 χ^2/NDF : 717281.3/38

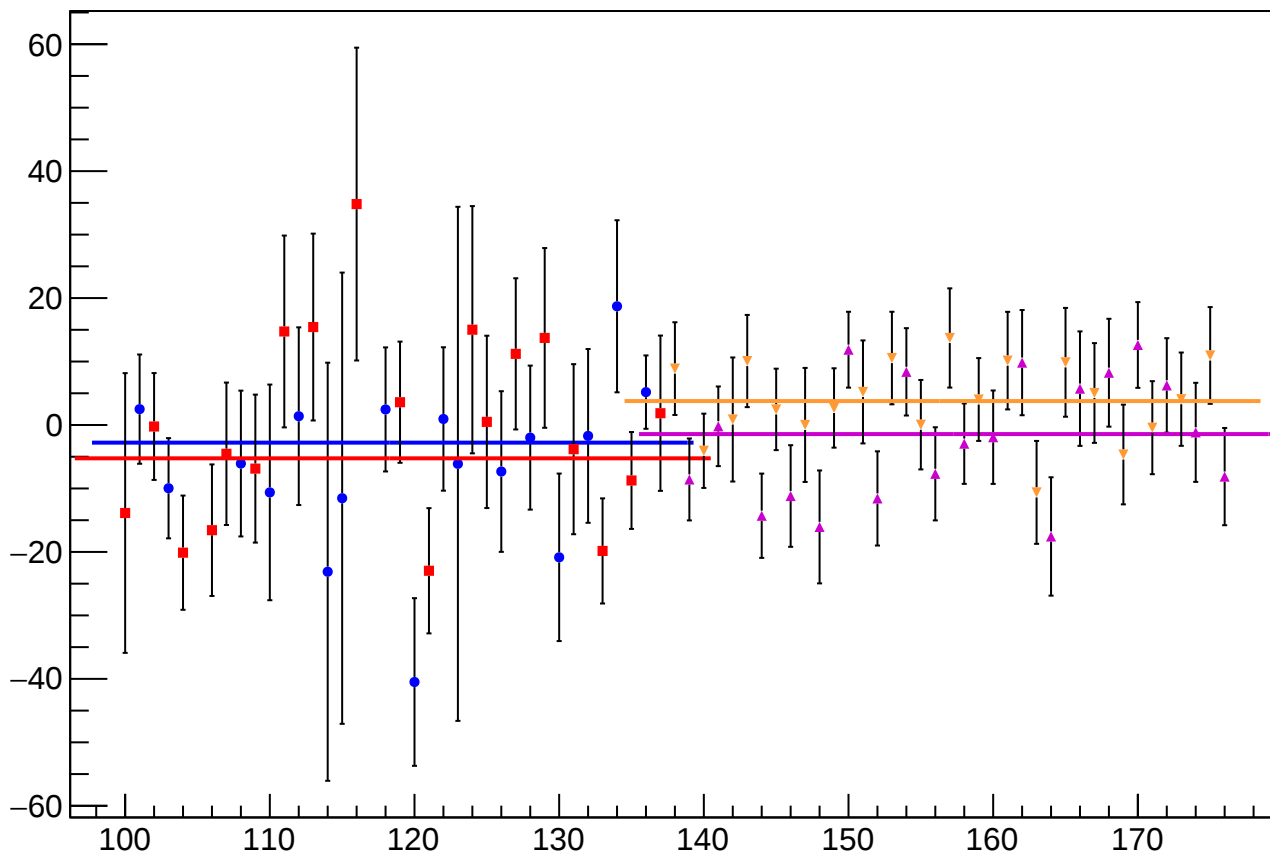
Right: 13035.784+/-2.544 χ^2/NDF : 1039954.9/35

In: 9593.031+/-1.502 χ^2/NDF : 1846439.3/35

Out: 9616.197+/-1.483 χ^2/NDF : 2107675.2/38

All: 9604.760+/-1.055 χ^2/NDF : 3954234.9/74

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 3.772 ± 1.653 $\chi^2/\text{NDF}: 12.9/19$

Right Out: -5.252 ± 2.590 $\chi^2/\text{NDF}: 23.5/18$

Left In: -1.431 ± 1.678 $\chi^2/\text{NDF}: 31.8/18$

Left: 1.210 ± 1.177 $\chi^2/\text{NDF}: 49.5/38$

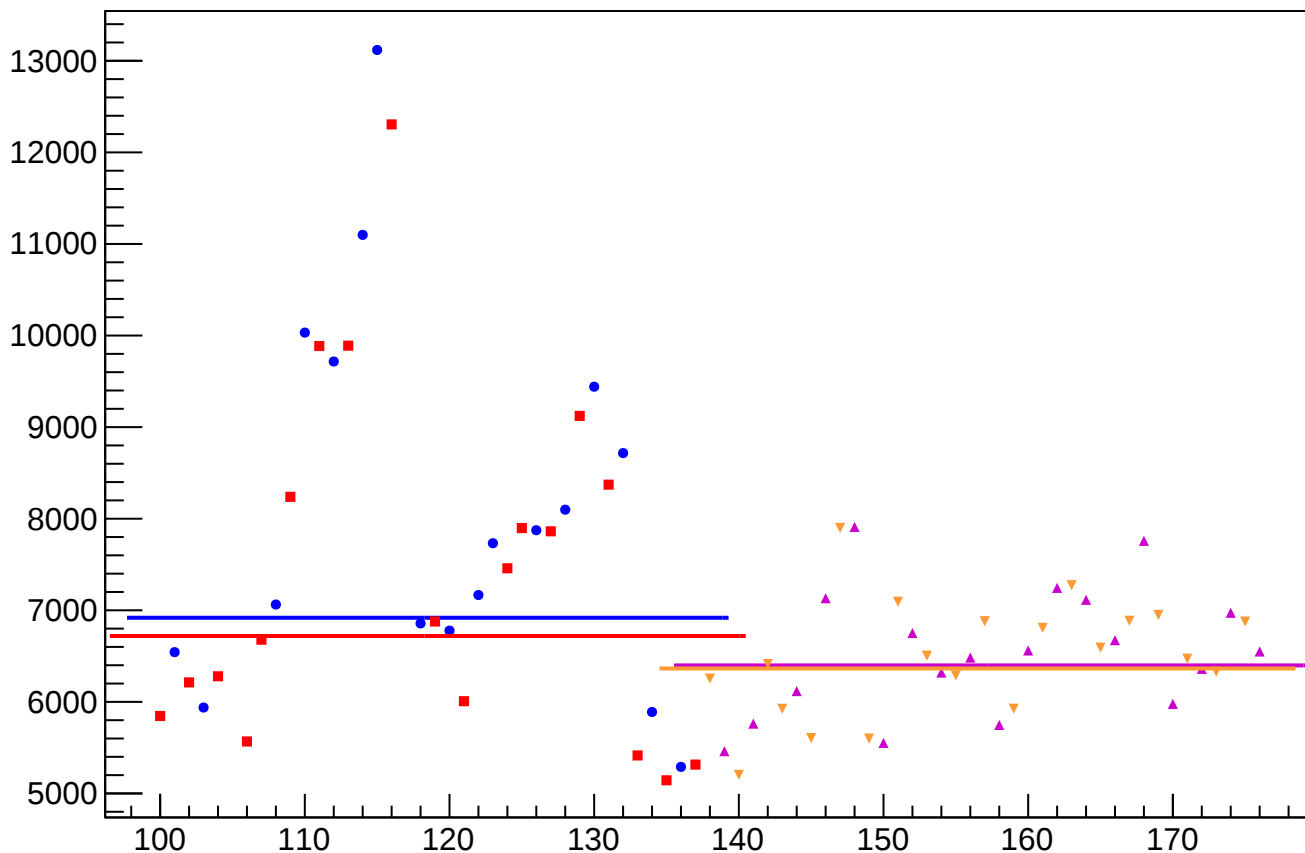
Right: -4.088 ± 1.884 $\chi^2/\text{NDF}: 41.0/35$

In: -1.797 ± 1.432 $\chi^2/\text{NDF}: 48.9/35$

Out: 1.160 ± 1.393 $\chi^2/\text{NDF}: 45.1/38$

All: -0.278 ± 0.999 $\chi^2/\text{NDF}: 96.2/74$

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 ± 1.943 $\chi^2/\text{NDF}: 587976.6/16$

Left Out: 6364.551 ± 1.169 $\chi^2/\text{NDF}: 300473.4/19$

Right Out: 6719.404 ± 1.831 $\chi^2/\text{NDF}: 653831.7/18$

Left In: 6398.084 ± 1.186 $\chi^2/\text{NDF}: 313217.7/18$

Left: 6381.065 ± 0.833 $\chi^2/\text{NDF}: 614096.5/38$

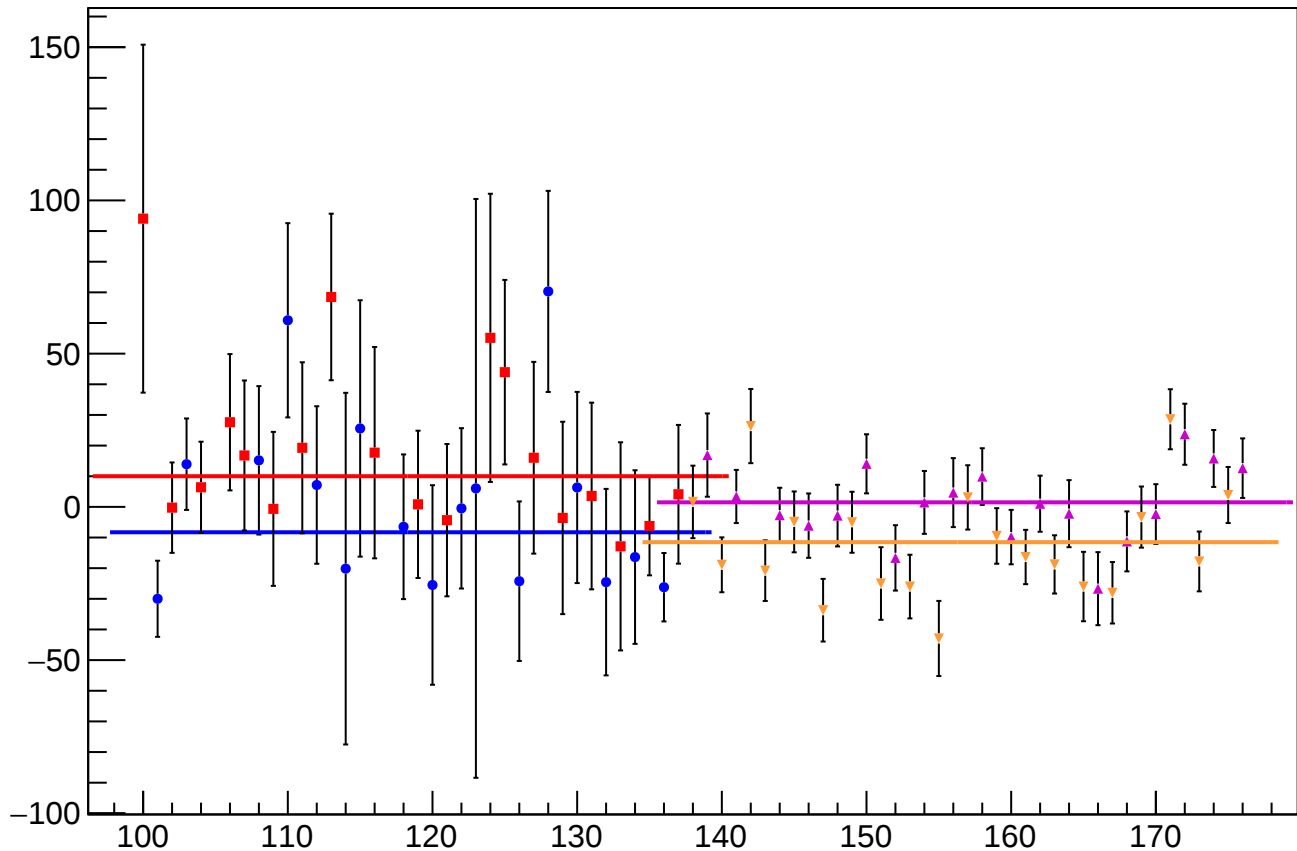
Right: 6813.106 ± 1.332 $\chi^2/\text{NDF}: 1247373.6/35$

In: 6539.499 ± 1.013 $\chi^2/\text{NDF}: 953478.4/35$

Out: 6467.263 ± 0.985 $\chi^2/\text{NDF}: 980988.9/38$

All: 6502.391 ± 0.706 $\chi^2/\text{NDF}: 1937081.7/74$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 $\pm$ 5.410 χ^2/NDF : 21.7/16

Left Out: -11.506 $\pm$ 2.263 χ^2/NDF : 55.9/19

Right Out: 10.007 $\pm$ 5.513 χ^2/NDF : 12.9/18

Left In: 1.482 $\pm$ 2.282 χ^2/NDF : 25.6/18

Left: -5.065 $\pm$ 1.607 χ^2/NDF : 97.8/38

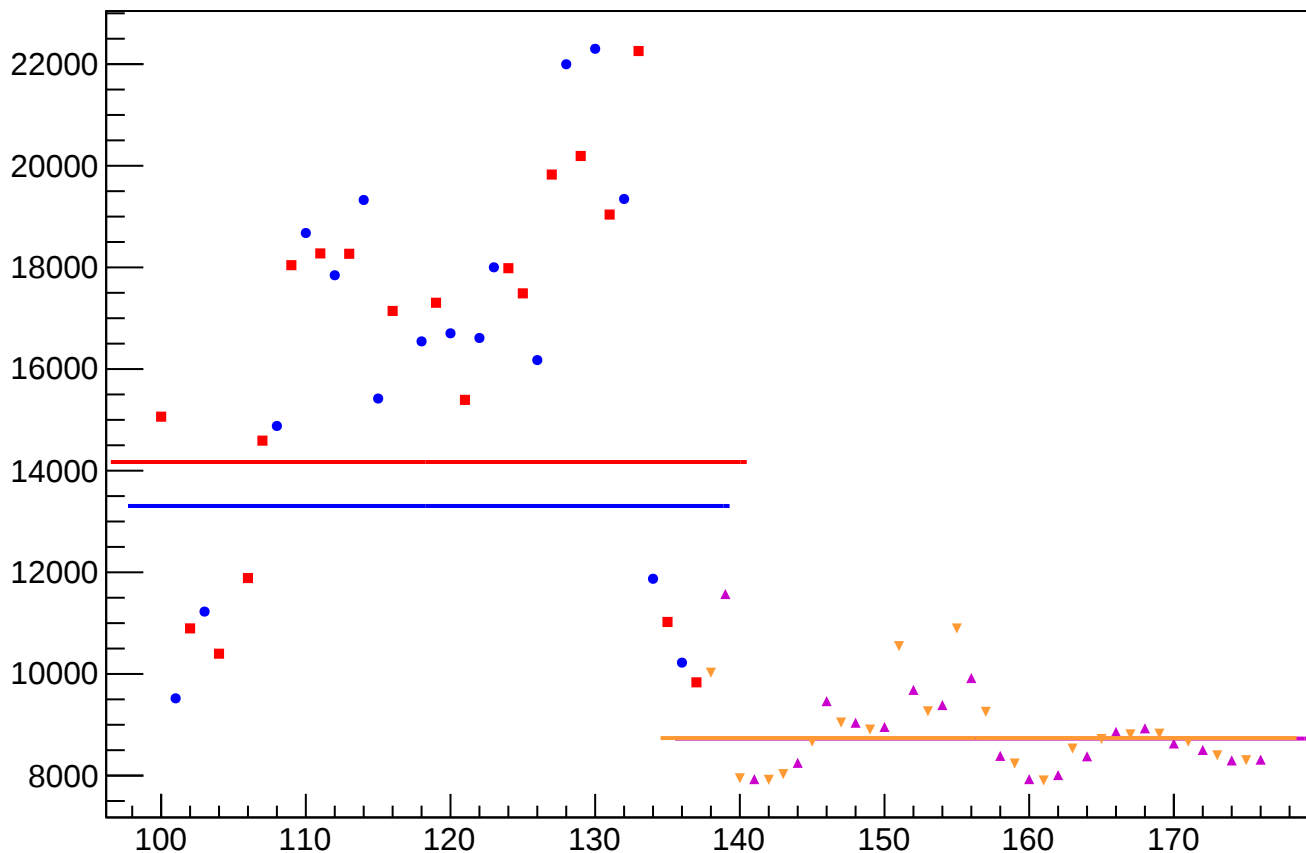
Right: 0.688 $\pm$ 3.861 χ^2/NDF : 40.2/35

In: 0.007 $\pm$ 2.102 χ^2/NDF : 50.1/35

Out: -8.403 $\pm$ 2.094 χ^2/NDF : 81.8/38

All: -4.216 $\pm$ 1.484 χ^2/NDF : 139.9/74

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2/NDF : 1044091.1/16

Left Out: 8738.604 $\pm$ 1.600 χ^2/NDF :211882.9/19

Right Out: 14170.668 $\pm$ 3.898 χ^2/NDF : 930612.1/18

Left In: 8728.319 $\pm$ 1.613 χ^2/NDF :213382.0/18

Left: 8733.503 $\pm$ 1.136 χ^2/NDF : 425285.4/38

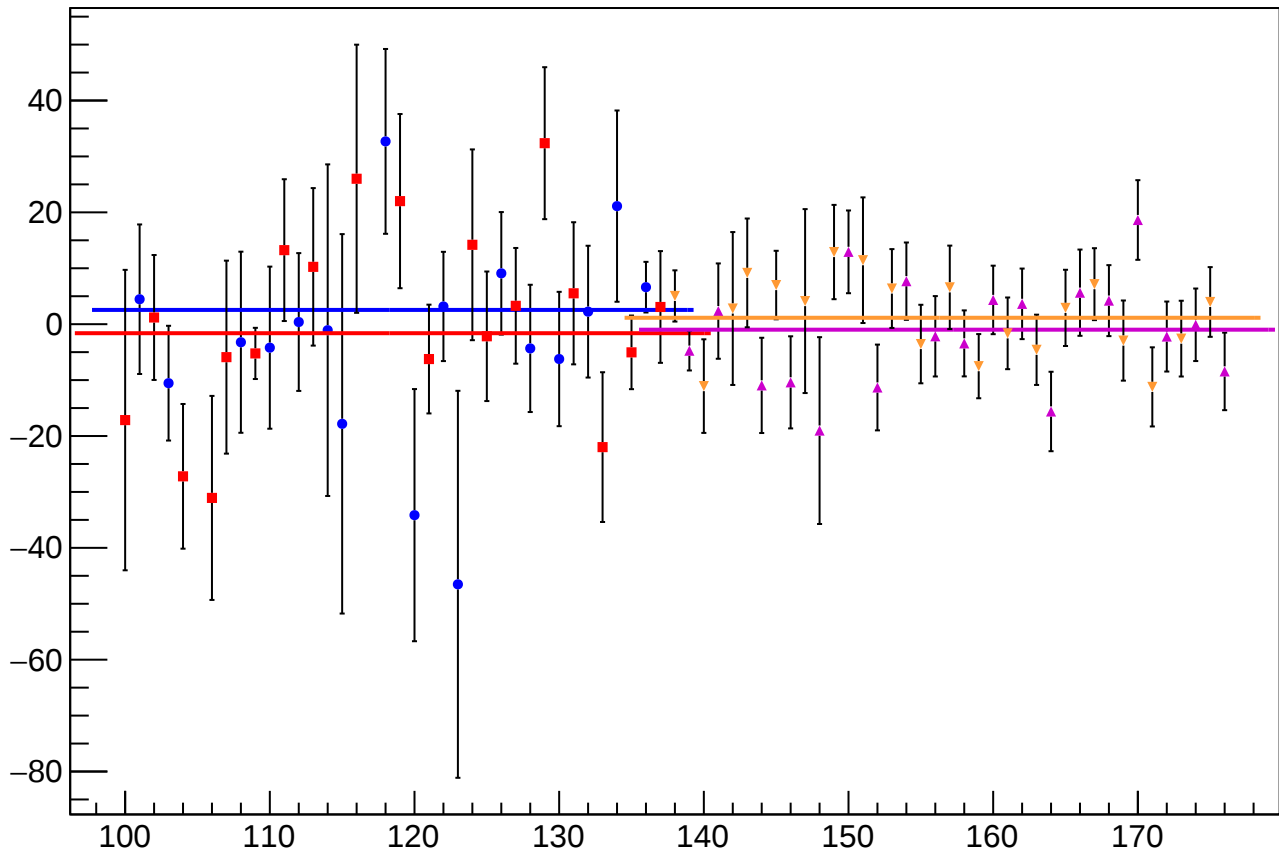
Right: 13729.884 $\pm$ 2.730 χ^2/NDF : 1999799.5/35

In: 9419.520 $\pm$ 1.487 χ^2/NDF :2472801.2/35

Out: 9522.001 $\pm$ 1.480 χ^2/NDF :2804120.0/38

All: 9470.974 $\pm$ 1.049 χ^2/NDF : 5279307.2/74

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 1.146 ± 1.579 χ^2/NDF : 16.9/19

Right Out: -1.613 ± 2.442 χ^2/NDF : 24.0/18

Left In: -0.984 ± 1.519 χ^2/NDF : 28.0/18

Left: 0.040 ± 1.095 χ^2/NDF : 45.9/38

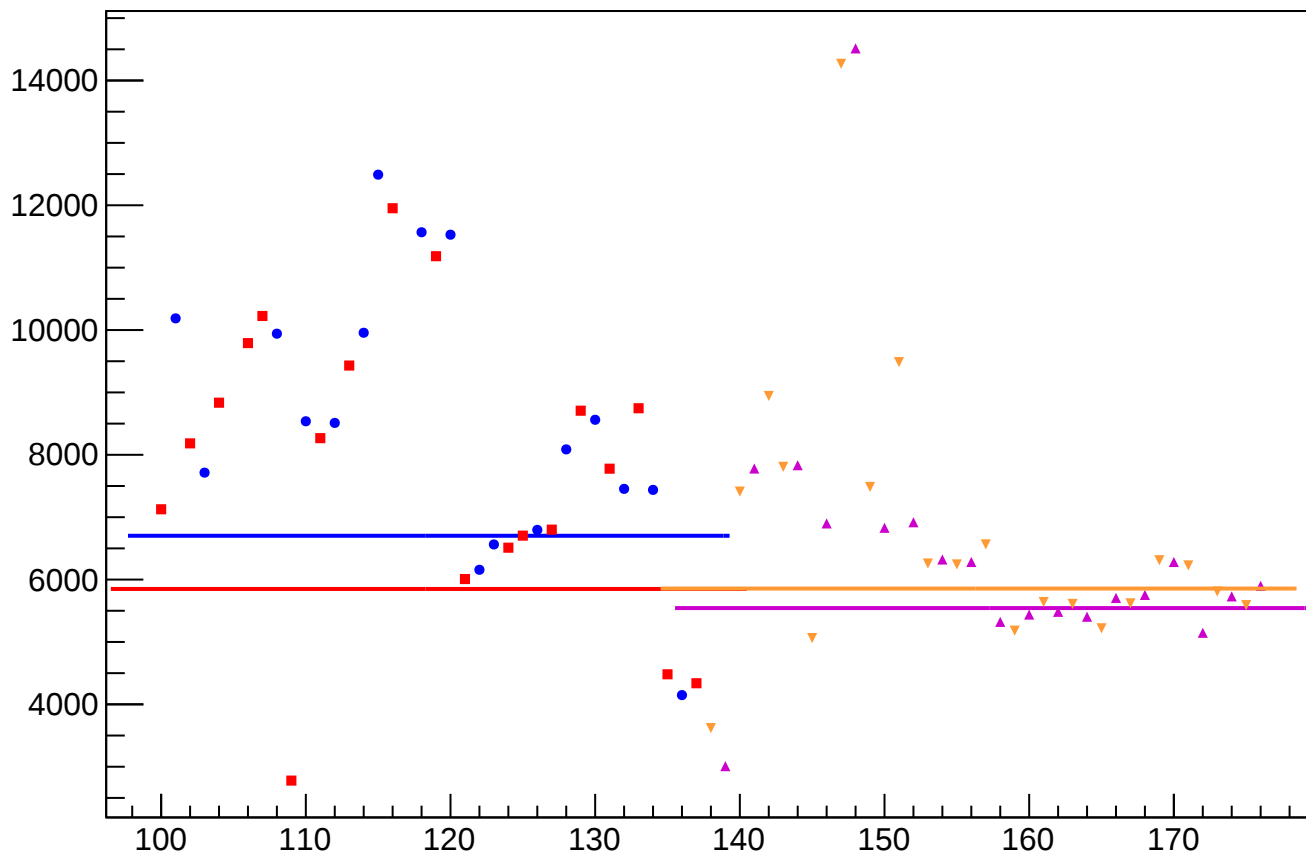
Right: 0.218 ± 1.828 χ^2/NDF : 38.9/35

In: -0.160 ± 1.331 χ^2/NDF : 42.9/35

Out: 0.333 ± 1.326 χ^2/NDF : 41.8/38

All: 0.087 ± 0.939 χ^2/NDF : 84.8/74

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5855.948+/-1.116 χ^2/NDF : 1669545.6/19

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

Left In: 5543.167+/-1.074 χ^2/NDF : 2156555.9/18

Left: 5693.570+/-0.774 χ^2/NDF : 3866859.6/38

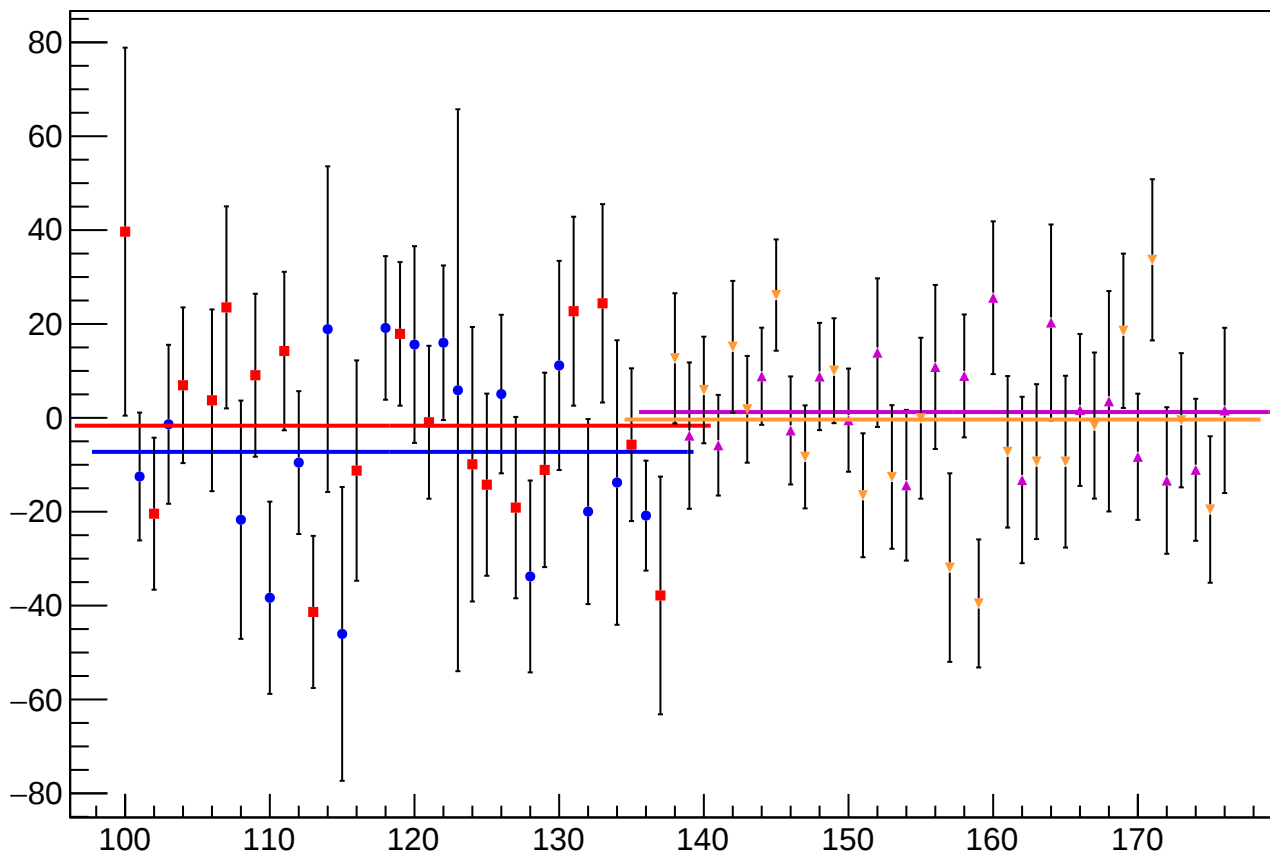
Right: 6224.538+/-1.293 χ^2/NDF : 3775609.7/35

In: 5813.205+/-0.941 χ^2/NDF : 3817691.2/35

Out: 5854.079+/-0.937 χ^2/NDF : 3948019.7/38

All: 5833.716+/-0.664 χ^2/NDF : 7766657.9/74

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: -0.363 ± 3.144 χ^2/NDF : 29.2/19

Right Out: -1.671 ± 4.373 χ^2/NDF : 19.9/18

Left In: 1.235 ± 3.249 χ^2/NDF : 9.7/18

Left: 0.410 ± 2.259 χ^2/NDF : 39.0/38

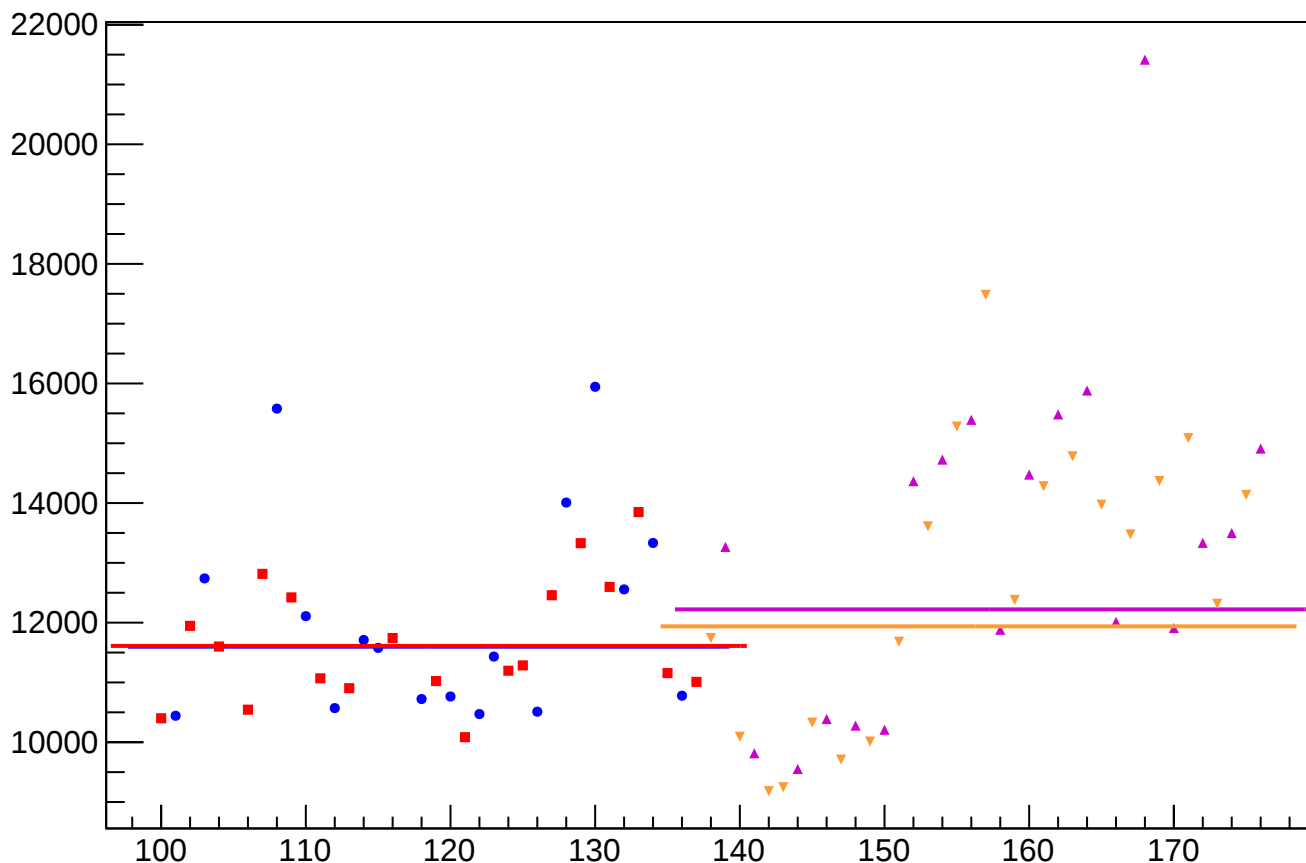
Right: -4.349 ± 3.152 χ^2/NDF : 36.6/35

In: -1.631 ± 2.643 χ^2/NDF : 27.9/35

Out: -0.808 ± 2.553 χ^2/NDF : 49.1/38

All: -1.205 ± 1.836 χ^2/NDF : 77.1/74

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 11938.381+/-2.223 χ^2/NDF : 974125.3/19

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

Left In: 12221.847+/-2.297 χ^2/NDF : 1117707.8/18

Left: 12075.464+/-1.598 χ^2/NDF : 2099695.1/38

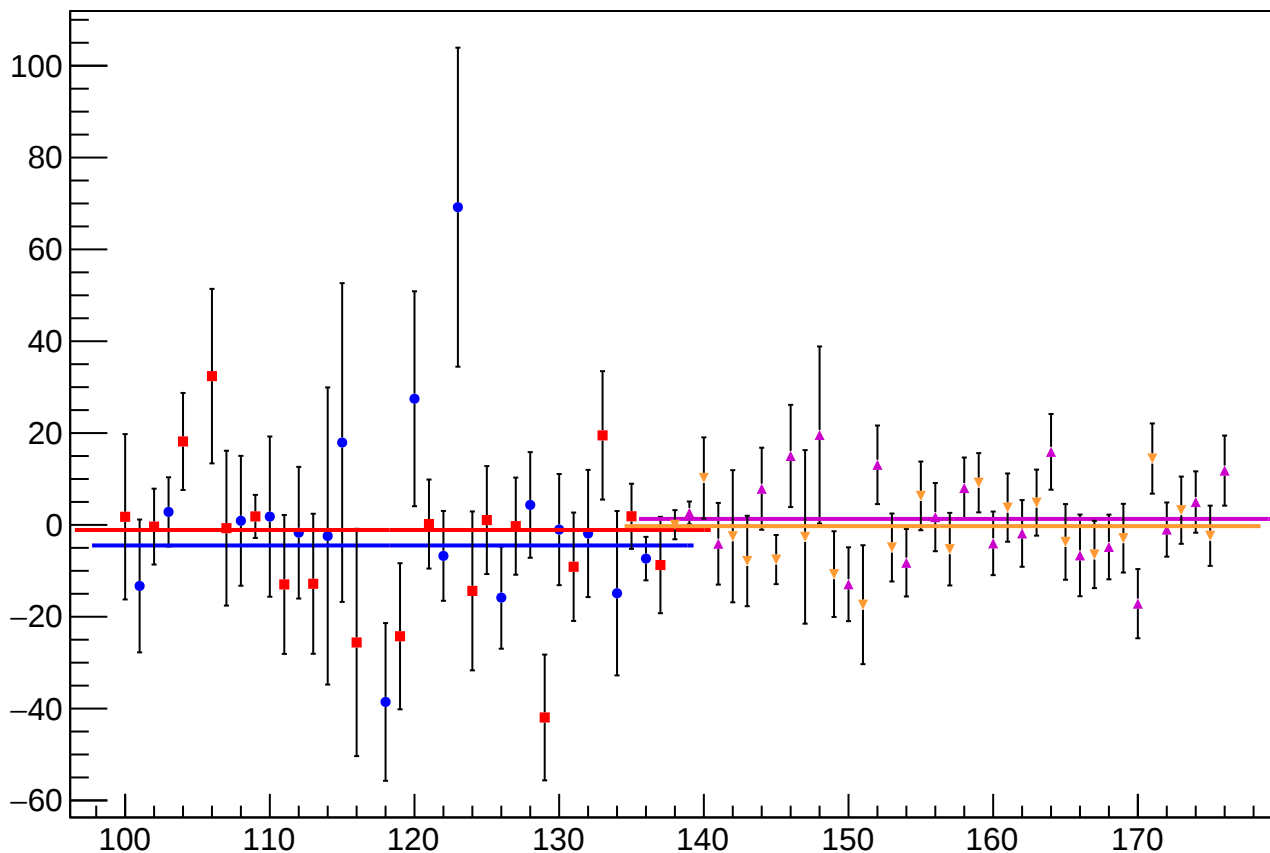
Right: 11605.084+/-2.229 χ^2/NDF : 329878.2/35

In: 12011.243+/-1.869 χ^2/NDF : 1377995.2/35

Out: 11826.800+/-1.805 χ^2/NDF : 1075964.4/38

All: 11915.803+/-1.298 χ^2/NDF : 2458997.8/71

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.267 ± 1.570 χ^2/NDF : 16.5/19

Right Out: -1.105 ± 2.429 χ^2/NDF : 24.0/18

Left In: 1.302 ± 1.476 χ^2/NDF : 25.2/18

Left: 0.565 ± 1.075 χ^2/NDF : 42.2/38

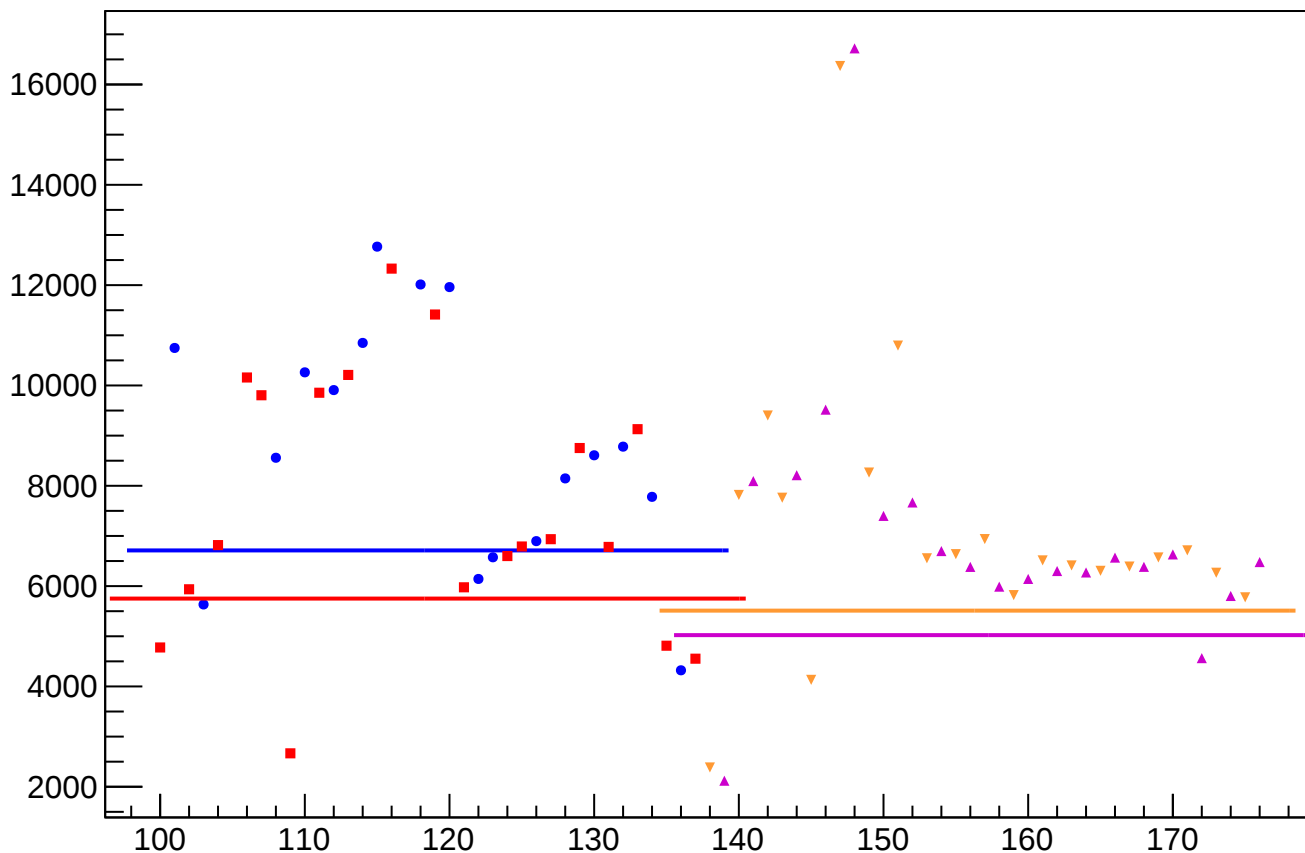
Right: -2.563 ± 1.830 χ^2/NDF : 39.7/35

In: 0.032 ± 1.304 χ^2/NDF : 43.4/35

Out: -0.513 ± 1.318 χ^2/NDF : 40.6/38

All: -0.238 ± 0.927 χ^2/NDF : 84.1/74

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550+/-1.967

χ^2/NDF : 1446972.0/16

Left: 5252.106+/-0.760 χ^2/NDF : 9458447.1/38

Left Out: 5511.284+/-1.110

χ^2/NDF : 4006846.9/19

Right: 6166.836+/-1.294 χ^2/NDF : 3747249.5/35

Right Out: 5751.505+/-1.718

χ^2/NDF : 2165110.0/18

In: 5393.948+/-0.922 χ^2/NDF : 7370913.8/35

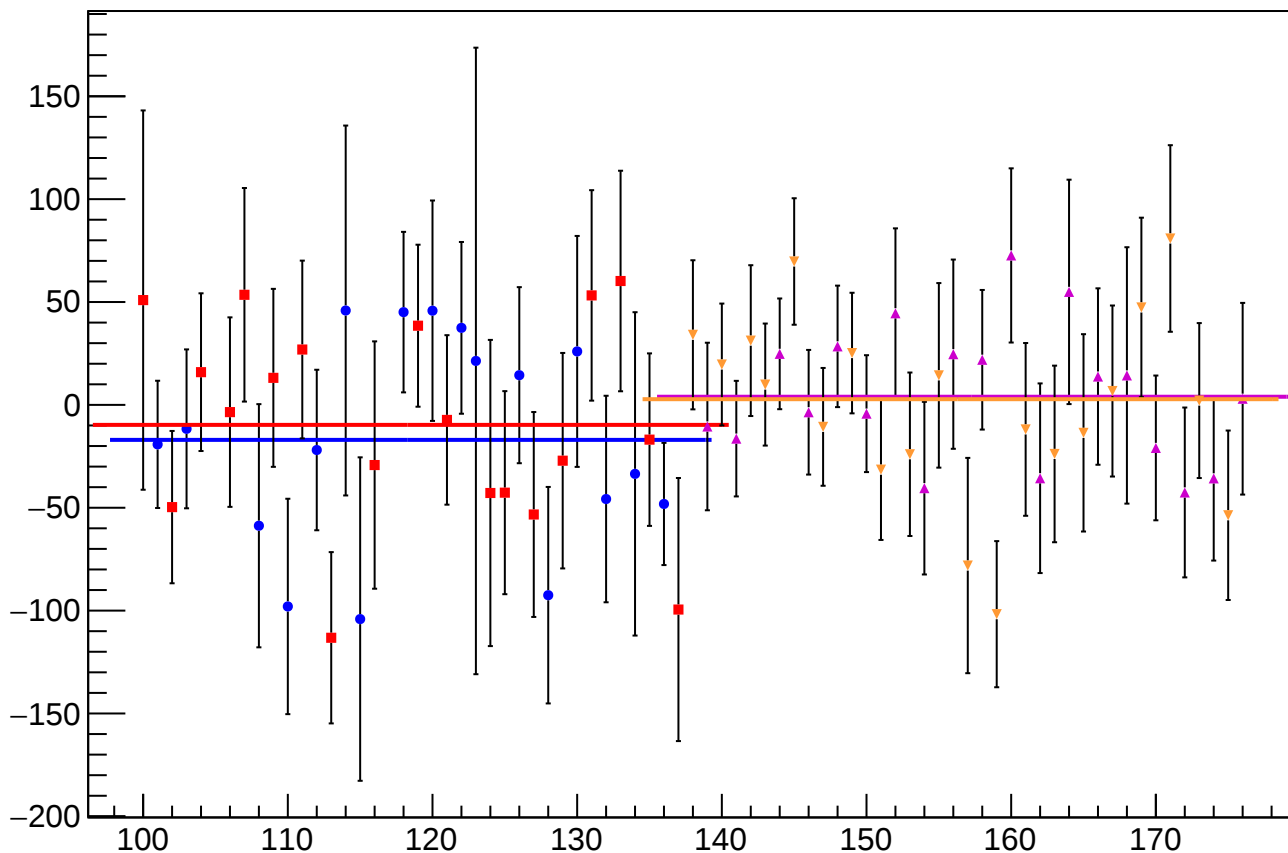
Out: 5582.043+/-0.932 χ^2/NDF : 6185756.7/38

Left In: 5022.782+/-1.044

χ^2/NDF : 5348811.6/18

All: 5486.978+/-0.656 χ^2/NDF : 13577249.0/71

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 $\pm$ 11.287 χ^2/NDF : 15.0/16

Left Out: 2.769 $\pm$ 8.220 χ^2/NDF : 26.4/19

Right Out: -9.719 $\pm$ 10.891 χ^2/NDF : 19.1/18

Left In: 3.961 $\pm$ 8.491 χ^2/NDF : 11.7/18

Left: 3.345 $\pm$ 5.906 χ^2/NDF : 38.1/38

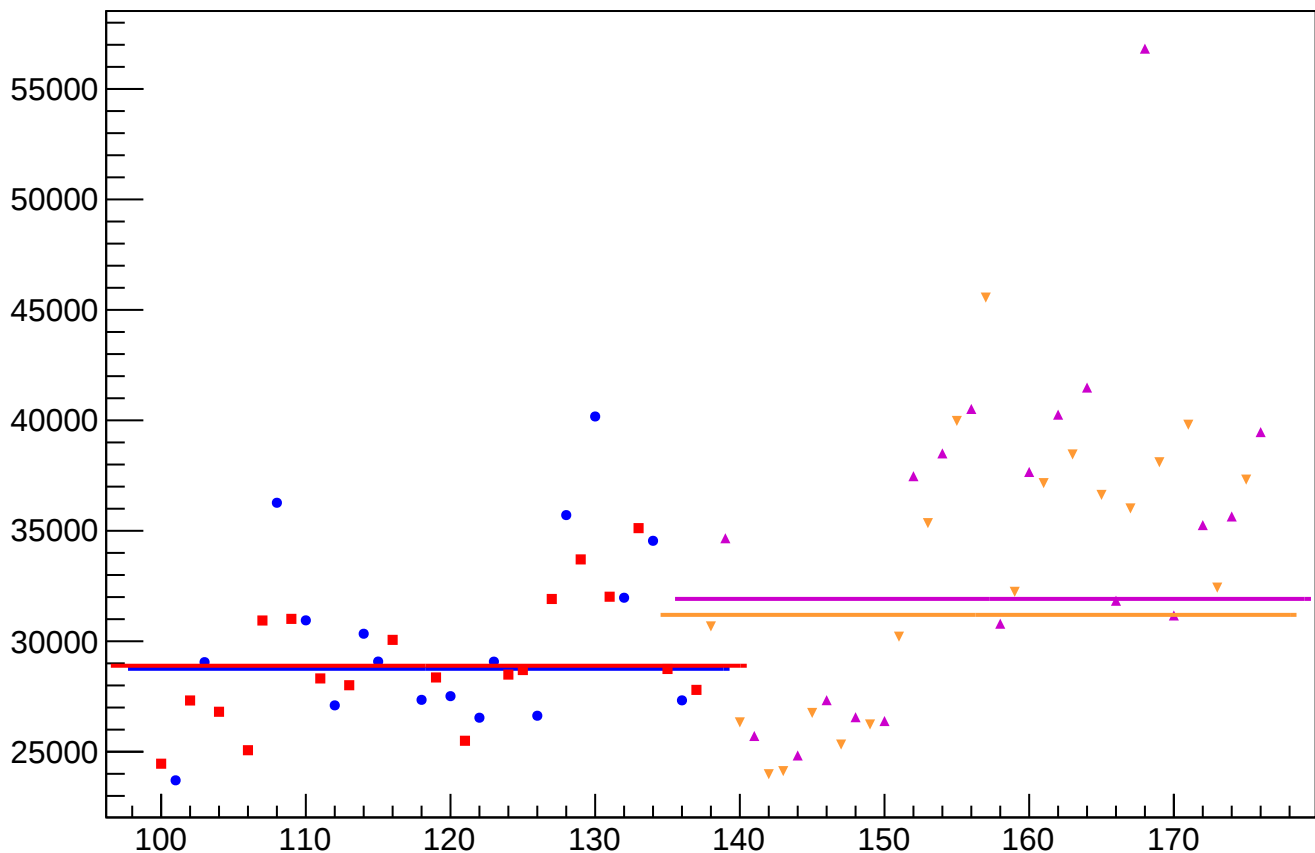
Right: -13.234 $\pm$ 7.837 χ^2/NDF : 34.3/35

In: -3.618 $\pm$ 6.785 χ^2/NDF : 28.9/35

Out: -1.764 $\pm$ 6.561 χ^2/NDF : 46.3/38

All: -2.660 $\pm$ 4.717 χ^2/NDF : 75.2/74

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 31194.819+/-5.813 χ^2/NDF : 999761.8/19

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

Left In: 31917.690+/-6.004 χ^2/NDF : 1157641.4/18

Left: 31544.554+/-4.176 χ^2/NDF : 2164886.0/38

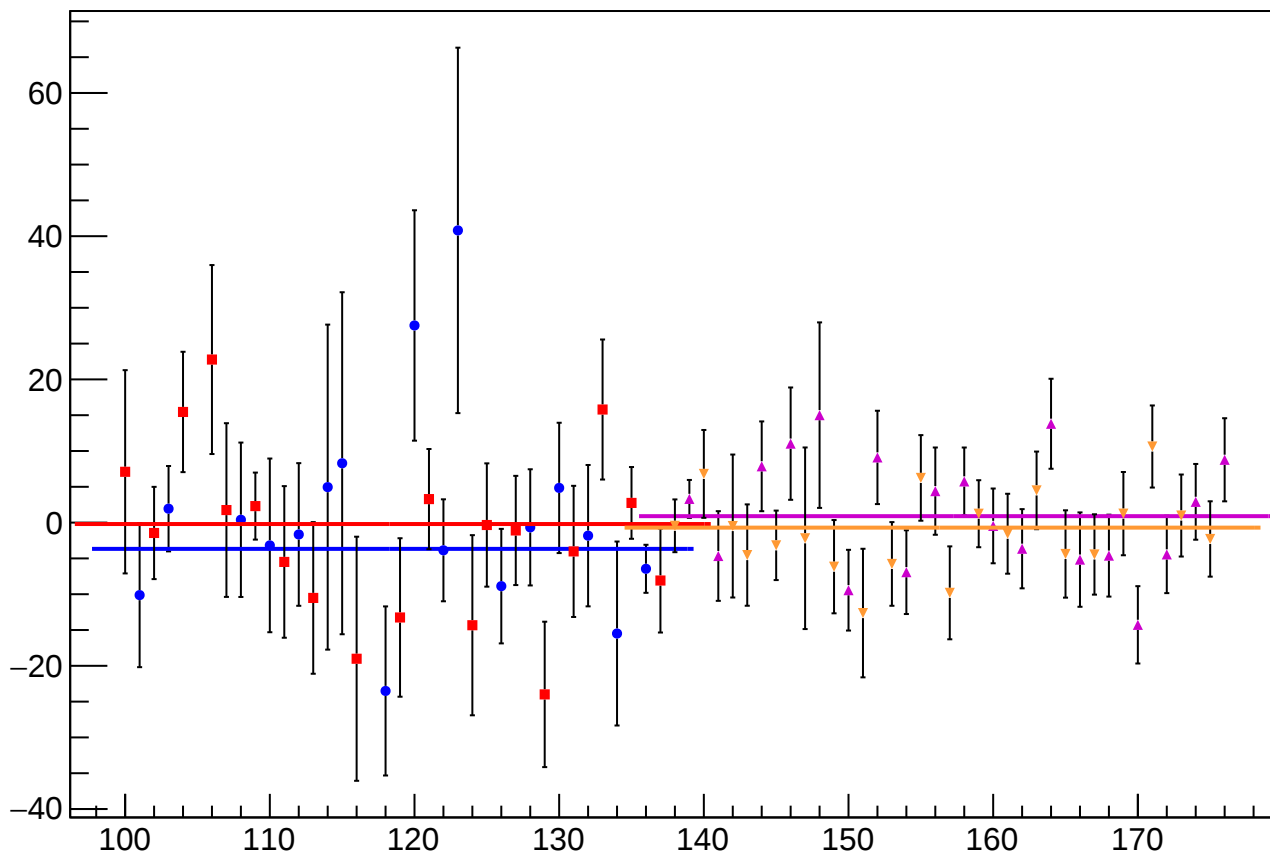
Right: 28825.443+/-5.542 χ^2/NDF : 360612.0/35

In: 30774.302+/-4.798 χ^2/NDF : 1507214.3/35

Out: 30359.088+/-4.639 χ^2/NDF : 1167961.6/38

All: 30559.721+/-3.335 χ^2/NDF : 2679046.4/71

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.702 ± 1.299 χ^2/NDF : 14.7/19

Right Out: -0.199 ± 1.893 χ^2/NDF : 22.3/18

Left In: 0.900 ± 1.237 χ^2/NDF : 31.4/18

Left: 0.138 ± 0.896 χ^2/NDF : 46.9/38

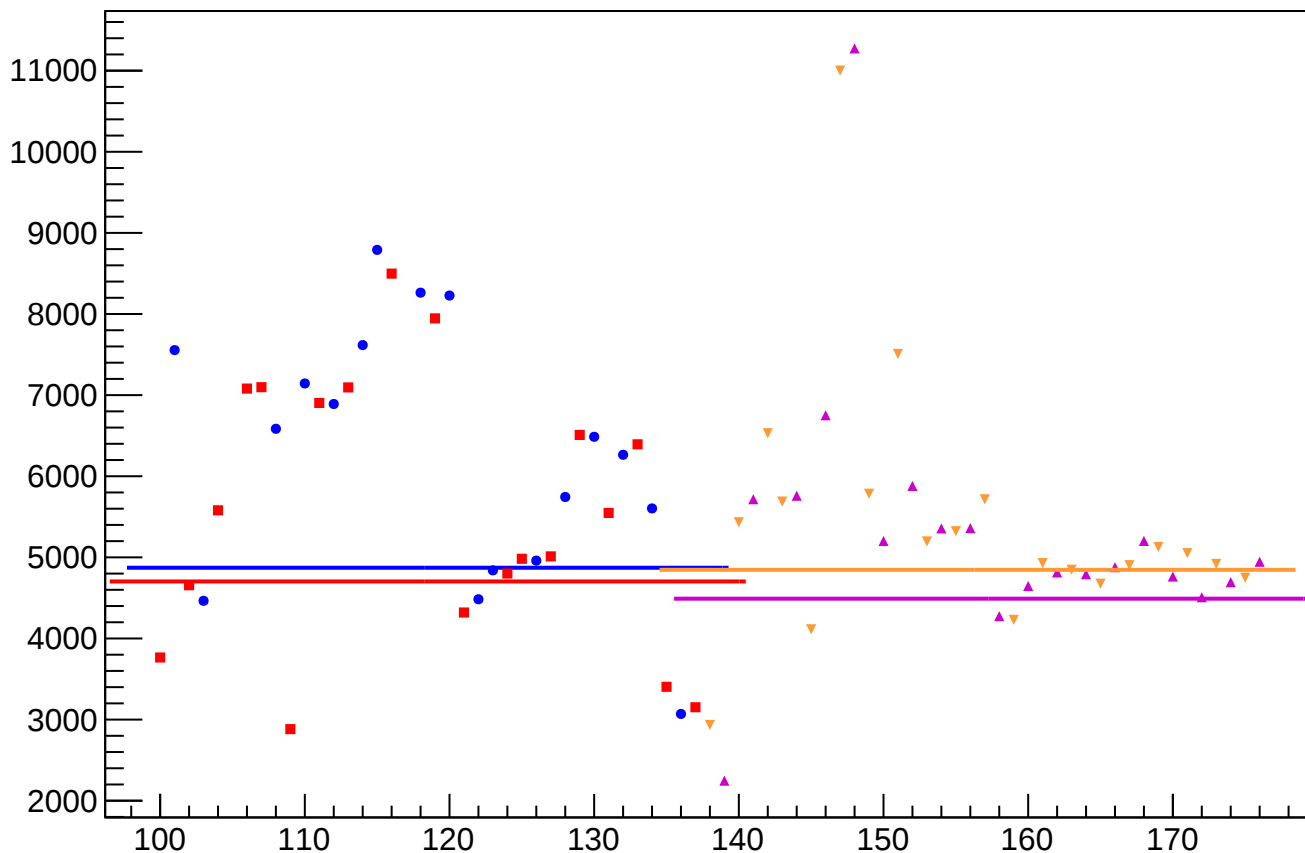
Right: -1.830 ± 1.378 χ^2/NDF : 38.4/35

In: -0.354 ± 1.053 χ^2/NDF : 49.7/35

Out: -0.541 ± 1.071 χ^2/NDF : 37.1/38

All: -0.446 ± 0.751 χ^2/NDF : 86.8/74

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4846.396+/-0.918 χ^2/NDF : 1477286.4/19

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

Left In: 4490.801+/-0.874 χ^2/NDF : 2593892.6/18

Left: 4659.911+/-0.633 χ^2/NDF : 4149825.9/38

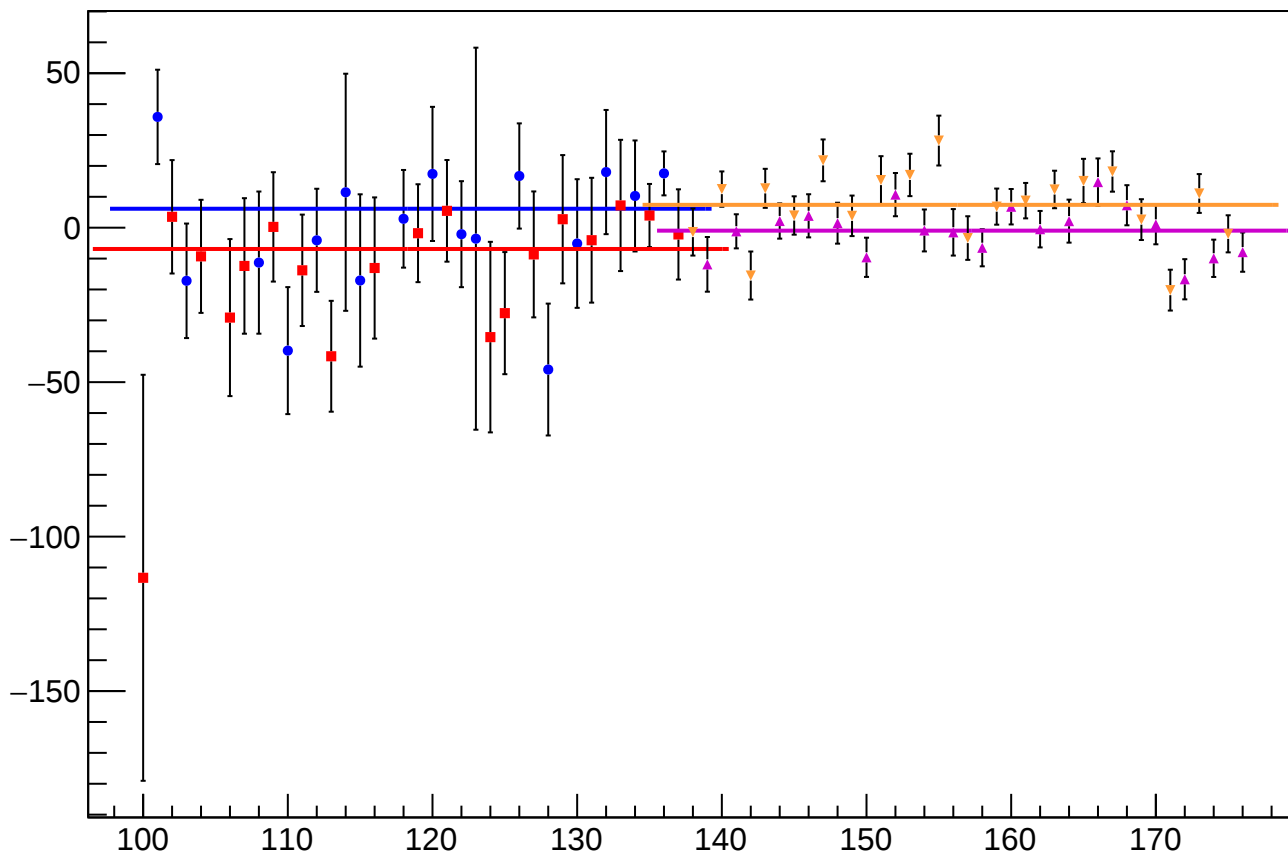
Right: 4782.480+/-0.974 χ^2/NDF : 2725478.8/35

In: 4595.517+/-0.745 χ^2/NDF : 4051366.4/35

Out: 4800.496+/-0.757 χ^2/NDF : 2797813.5/38

All: 4696.311+/-0.531 χ^2/NDF : 6886430.9/74

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 $\pm$ 4.080 χ^2 /NDF: 22.2/16

Left Out: 7.393 $\pm$ 1.471 χ^2 /NDF: 54.0/19

Right Out: -6.892 $\pm$ 4.224 χ^2 /NDF: 12.5/18

Left In: -0.958 $\pm$ 1.487 χ^2 /NDF: 25.1/18

Left: 3.264 $\pm$ 1.046 χ^2 /NDF: 95.1/38

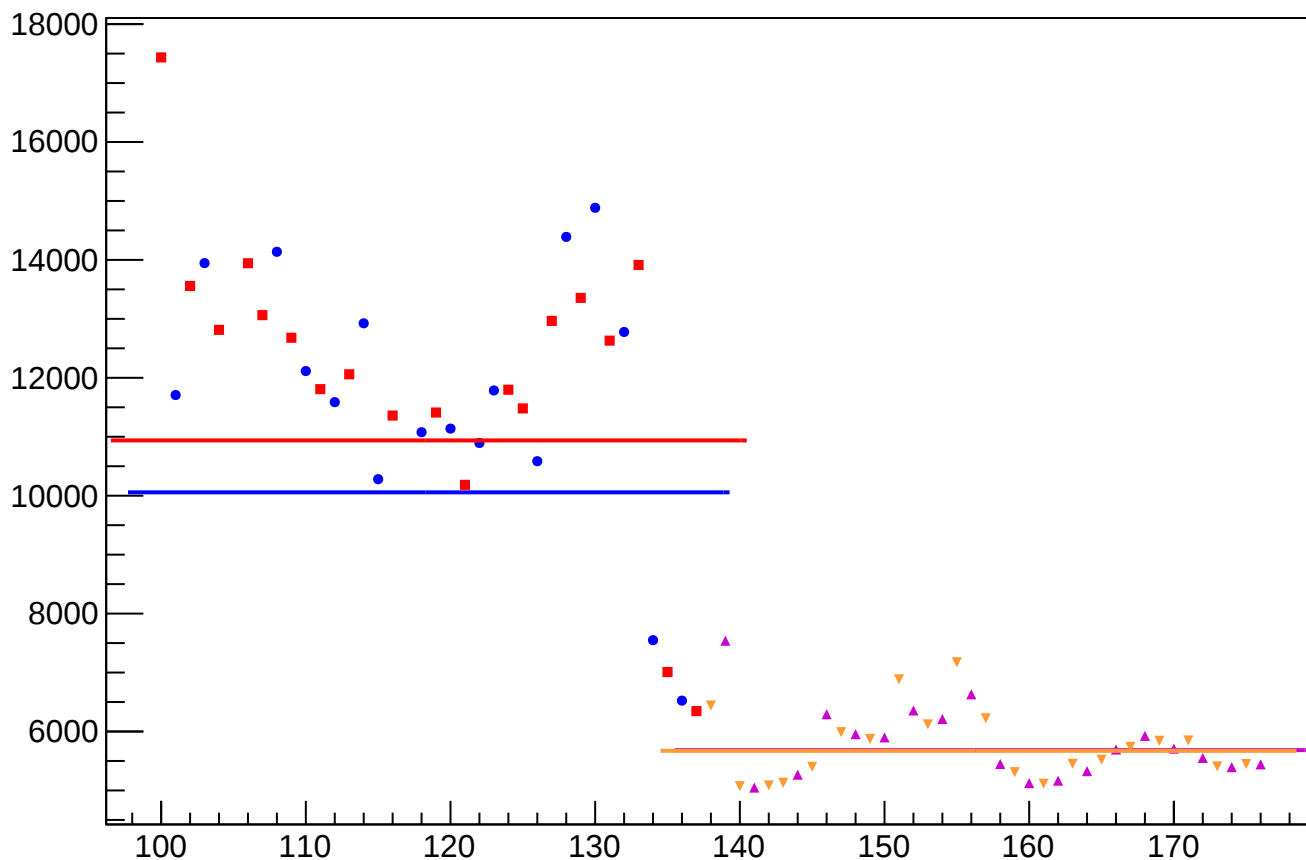
Right: -0.153 $\pm$ 2.935 χ^2 /NDF: 39.6/35

In: -0.127 $\pm$ 1.397 χ^2 /NDF: 50.0/35

Out: 5.849 $\pm$ 1.389 χ^2 /NDF: 76.7/38

All: 2.879 $\pm$ 0.985 χ^2 /NDF: 135.9/74

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5672.515 $\pm$ 1.040 χ^2 /NDF:257142.3/19

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

Left In: 5683.868 $\pm$ 1.052 χ^2 /NDF:261972.4/18

Left: 5678.128 $\pm$ 0.739 χ^2 /NDF: 519173.6/38

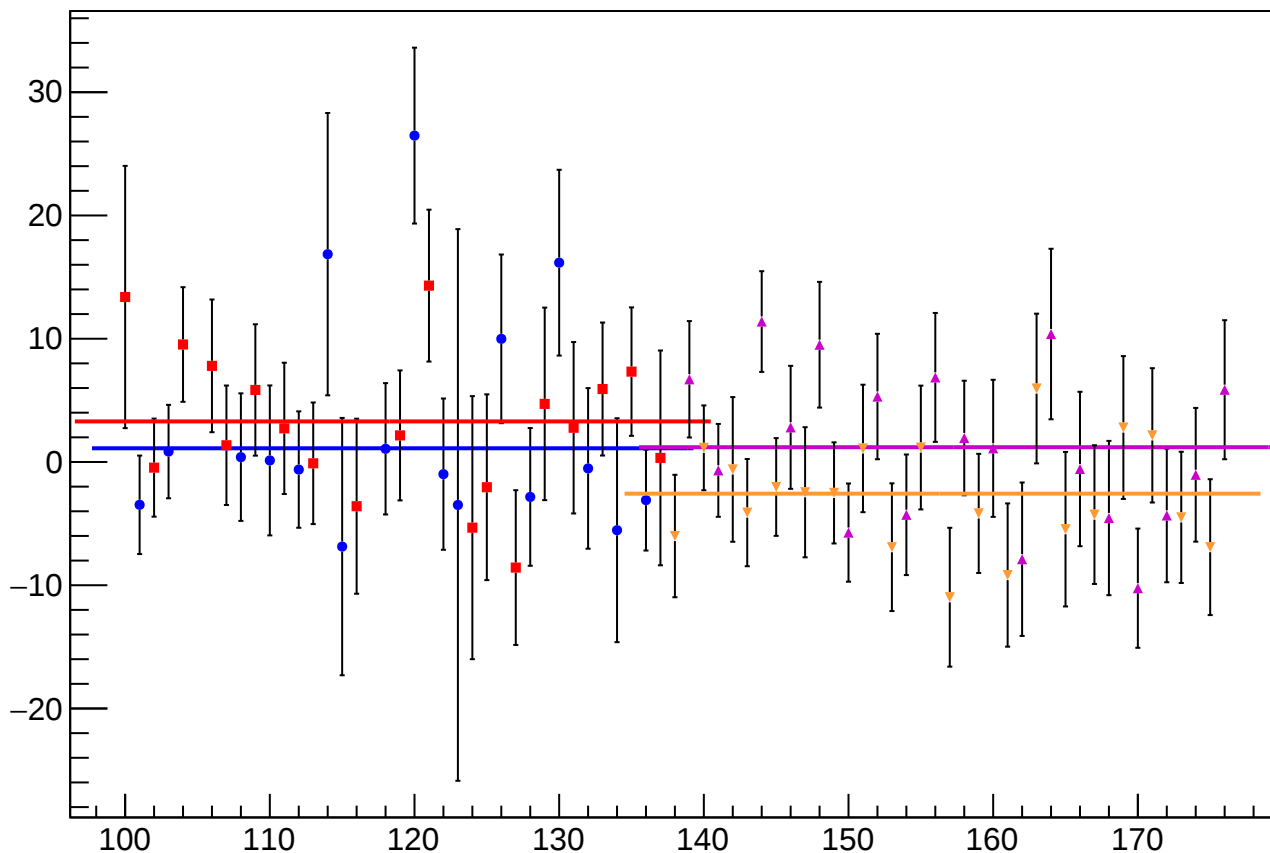
Right: 10481.996 $\pm$ 2.075 χ^2 /NDF: 1810742.6/35

In: 6196.631 $\pm$ 0.988 χ^2 /NDF:3292934.3/35

Out: 6241.598 $\pm$ 0.982 χ^2 /NDF:3790998.3/38

All: 6219.249 $\pm$ 0.696 χ^2 /NDF: 7084974.6/74

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -2.570 ± 1.118 $\chi^2/\text{NDF}: 11.9/19$

Right Out: 3.290 ± 1.334 $\chi^2/\text{NDF}: 15.1/18$

Left In: 1.199 ± 1.153 $\chi^2/\text{NDF}: 29.0/18$

Left: -0.743 ± 0.803 $\chi^2/\text{NDF}: 46.5/38$

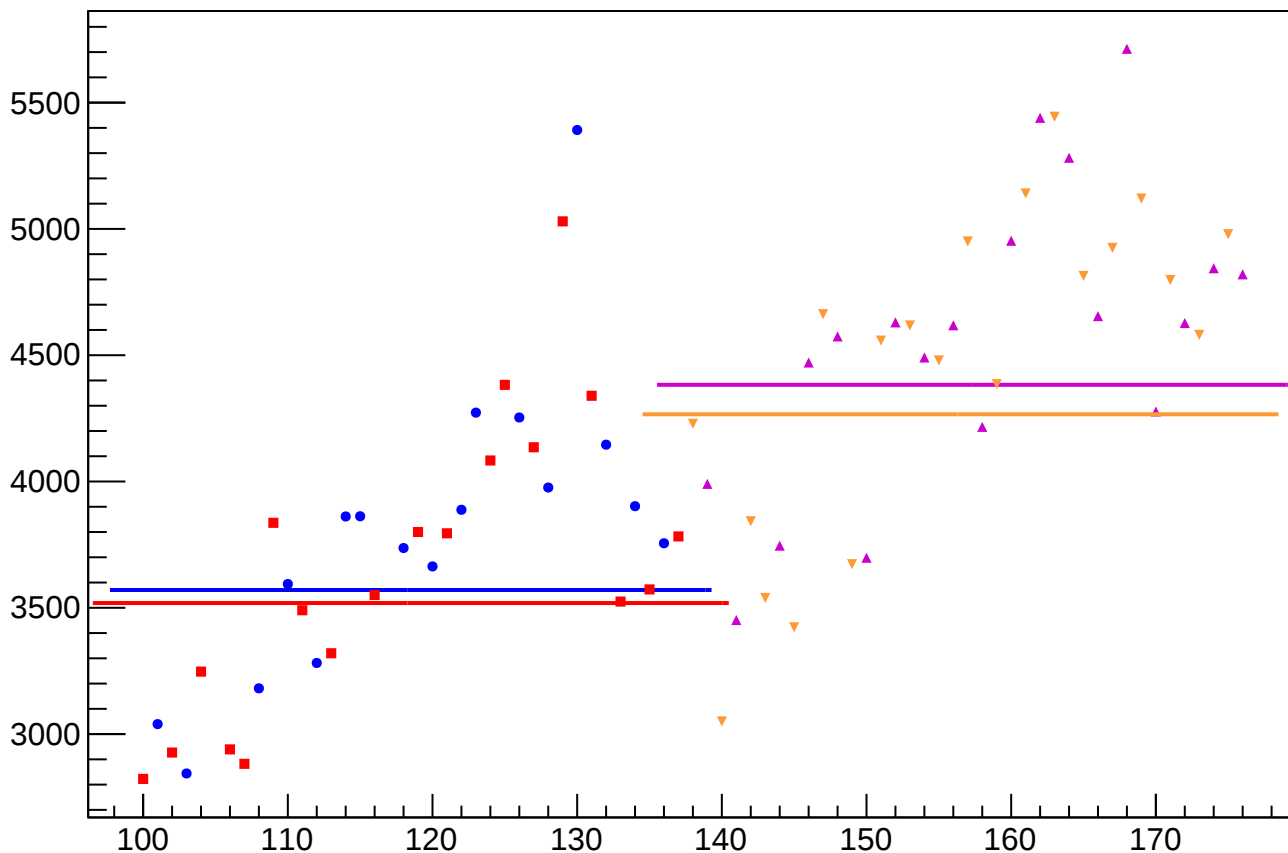
Right: 2.256 ± 0.967 $\chi^2/\text{NDF}: 40.9/35$

In: 1.164 ± 0.891 $\chi^2/\text{NDF}: 53.7/35$

Out: -0.151 ± 0.857 $\chi^2/\text{NDF}: 38.3/38$

All: 0.481 ± 0.617 $\chi^2/\text{NDF}: 93.1/74$

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4266.102+/-0.791 χ^2/NDF : 775851.8/19

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

Left In: 4382.879+/-0.815 χ^2/NDF : 497627.9/18

Left: 4322.709+/-0.568 χ^2/NDF : 1284054.4/38

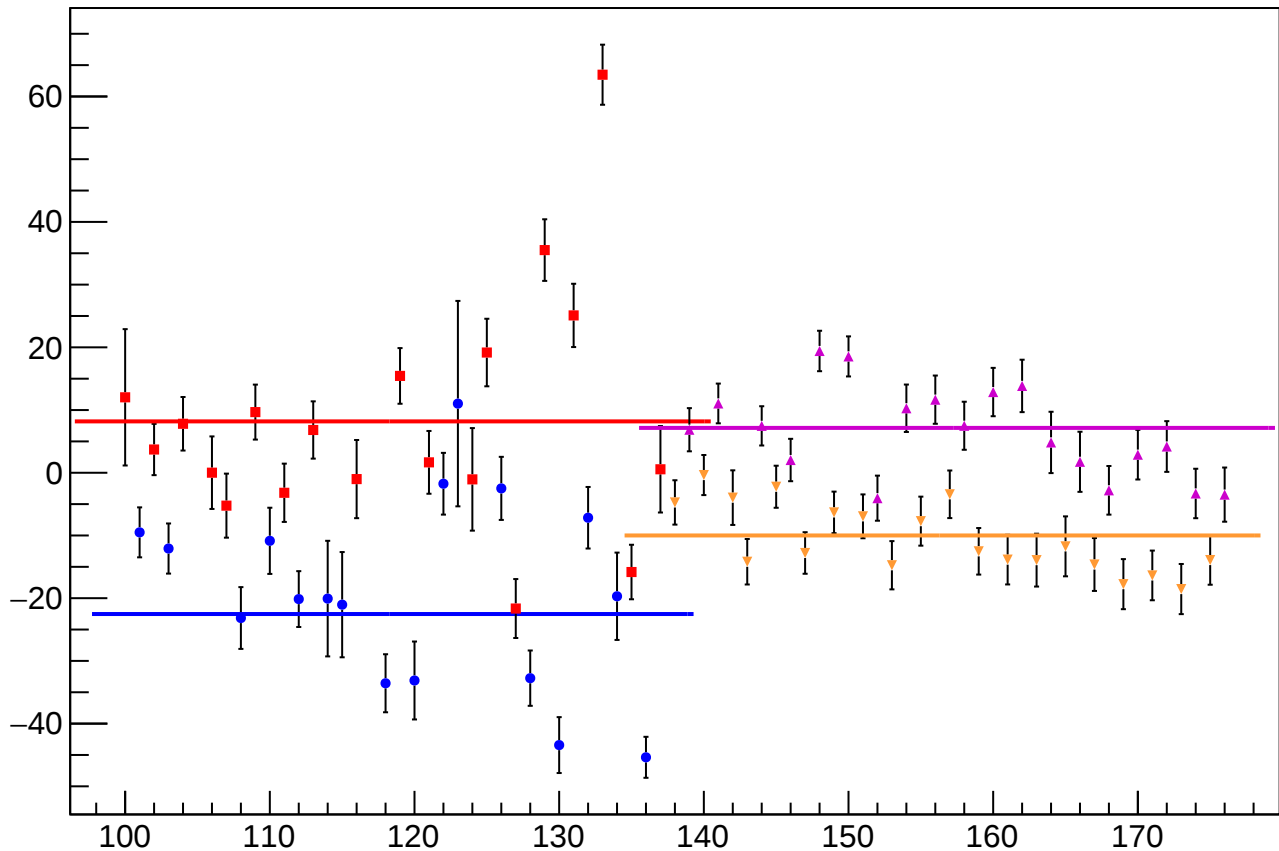
Right: 3543.379+/-0.683 χ^2/NDF : 604512.8/35

In: 4055.411+/-0.630 χ^2/NDF : 1207704.2/35

Out: 3957.662+/-0.606 χ^2/NDF : 1437935.9/38

All: 4004.645+/-0.437 χ^2/NDF : 2658151.5/74

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 $\chi^2/\text{NDF}: 155.5/16$

Left Out: -9.997 ± 0.843 $\chi^2/\text{NDF}: 43.0/19$

Right Out: 8.192 ± 1.157 $\chi^2/\text{NDF}: 275.8/18$

Left In: 7.154 ± 0.854 $\chi^2/\text{NDF}: 70.5/18$

Left: -1.539 ± 0.600 $\chi^2/\text{NDF}: 317.8/38$

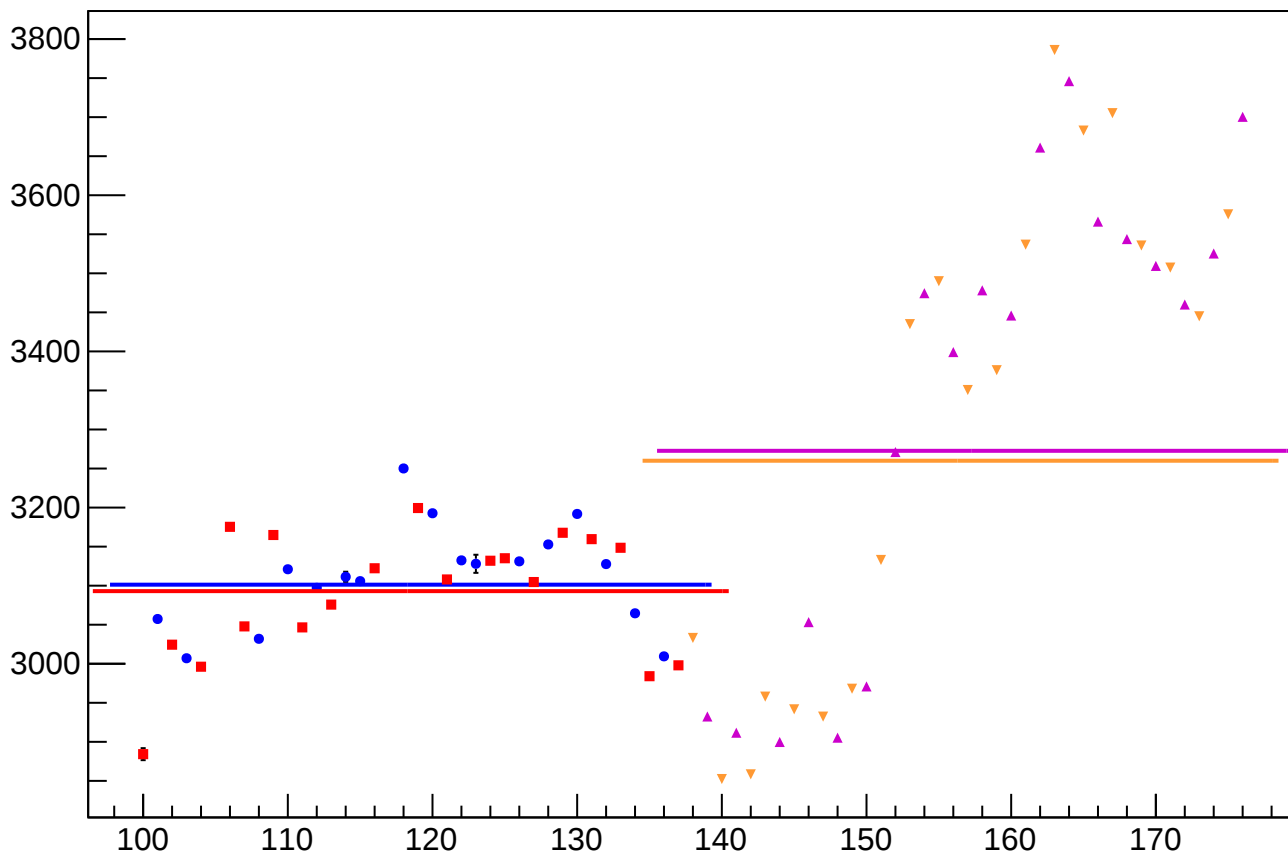
Right: -6.598 ± 0.833 $\chi^2/\text{NDF}: 770.8/35$

In: -2.823 ± 0.696 $\chi^2/\text{NDF}: 631.7/35$

Out: -3.692 ± 0.681 $\chi^2/\text{NDF}: 480.4/38$

All: -3.267 ± 0.487 $\chi^2/\text{NDF}: 1112.9/74$

diff_bpm0l01X_rms vs Slug, Sign Corrected



Left: 3266.255 ± 0.424 $\chi^2/\text{NDF}: 491490.9/38$

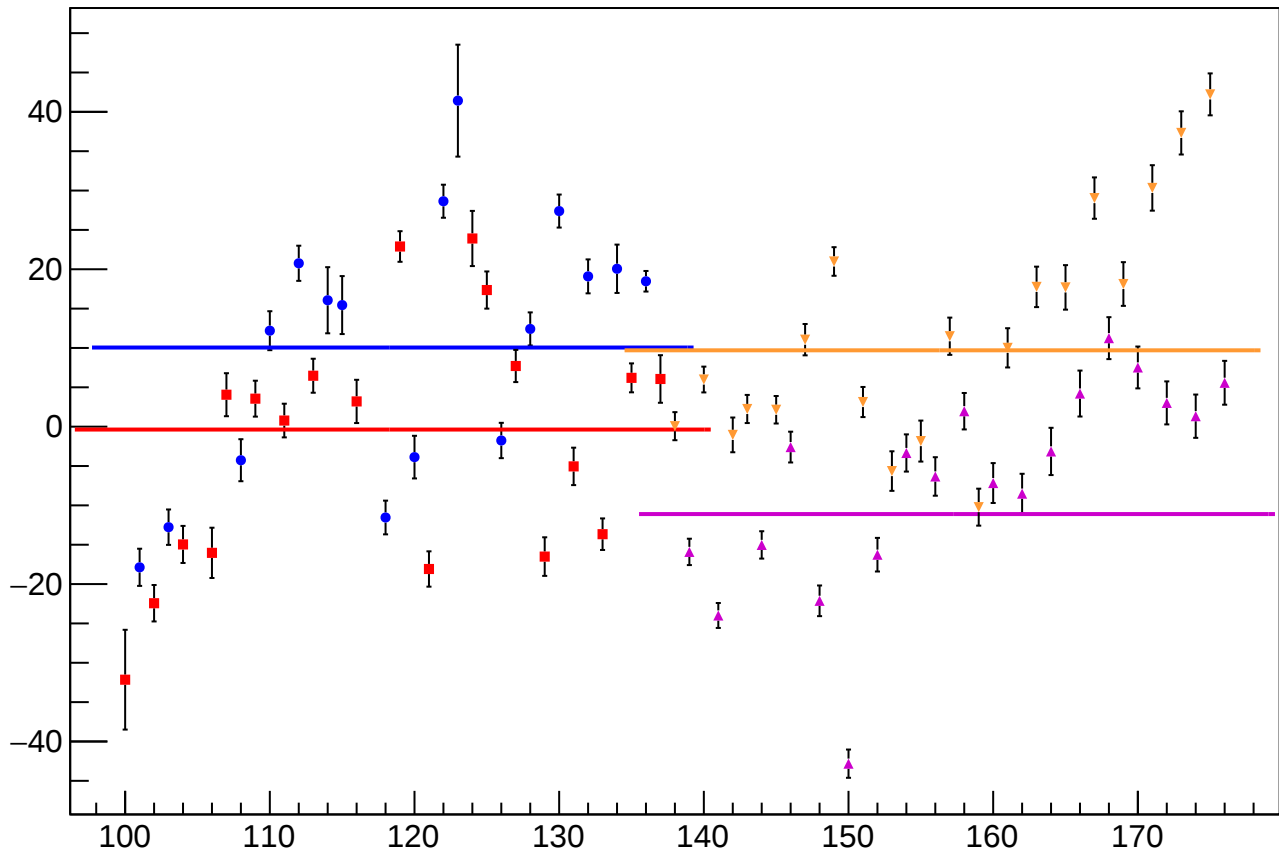
Right: 3096.979 ± 0.589 $\chi^2/\text{NDF}: 15049.1/35$

In: 3215.065 ± 0.492 $\chi^2/\text{NDF}: 270648.5/35$

Out: 3202.110 ± 0.482 $\chi^2/\text{NDF}: 289917.1/38$

All: 3208.447 ± 0.344 $\chi^2/\text{NDF}: 560919.6/74$

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 $\chi^2/\text{NDF}: 692.2/16$

Left Out: 9.701 ± 0.492 $\chi^2/\text{NDF}: 656.8/19$

Right Out: -0.367 ± 0.547 $\chi^2/\text{NDF}: 629.8/18$

Left In: -11.105 ± 0.507 $\chi^2/\text{NDF}: 735.3/18$

Left: -0.390 ± 0.353 $\chi^2/\text{NDF}: 2259.5/38$

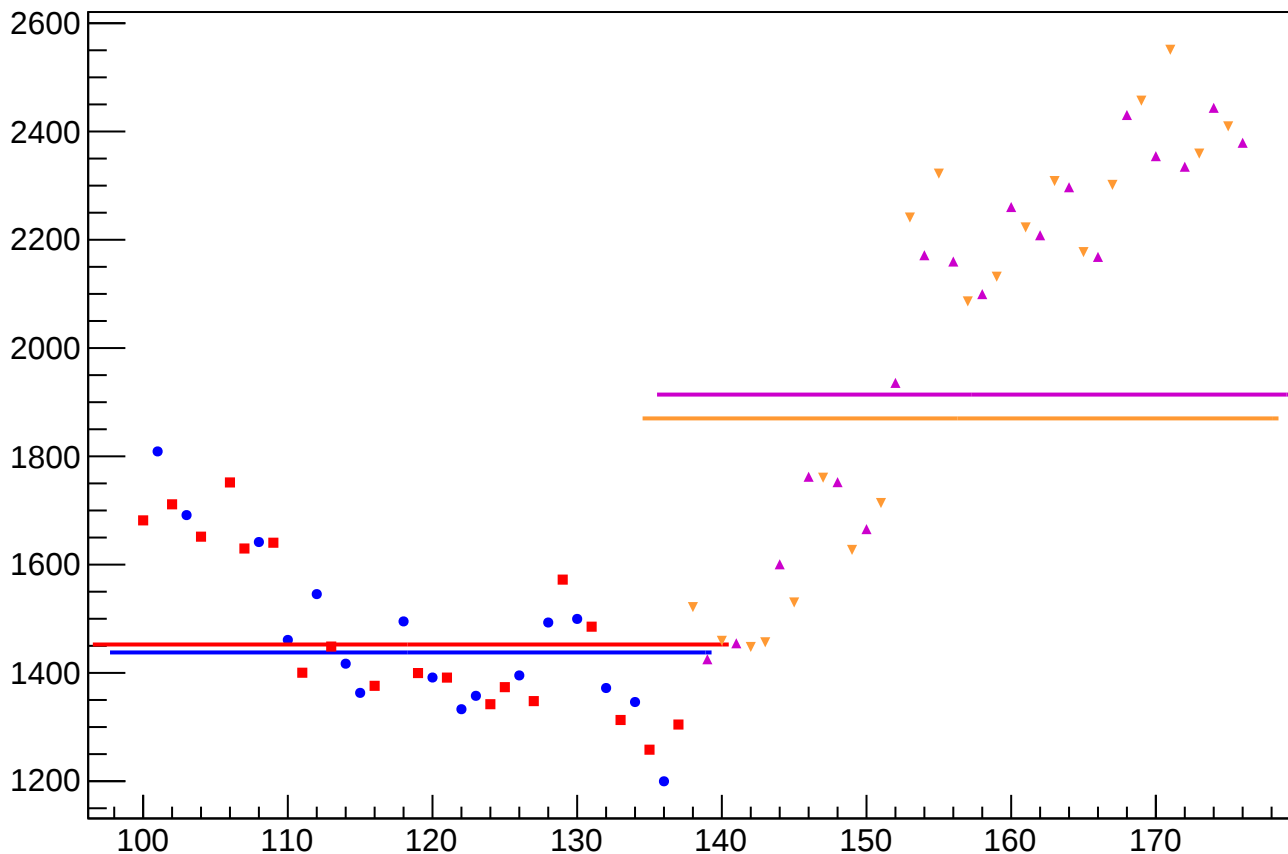
Right: 4.707 ± 0.392 $\chi^2/\text{NDF}: 1498.8/35$

In: -1.605 ± 0.376 $\chi^2/\text{NDF}: 2209.7/35$

Out: 5.199 ± 0.366 $\chi^2/\text{NDF}: 1473.9/38$

All: 1.893 ± 0.262 $\chi^2/\text{NDF}: 3851.7/74$

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1870.050 $\pm$ 0.348 χ^2 /NDF: 1180074.3/19

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

Left In: 1914.065 $\pm$ 0.358 χ^2 /NDF: 944351.6/18

Left: 1891.398 $\pm$ 0.250 χ^2 /NDF: 2132190.1/38

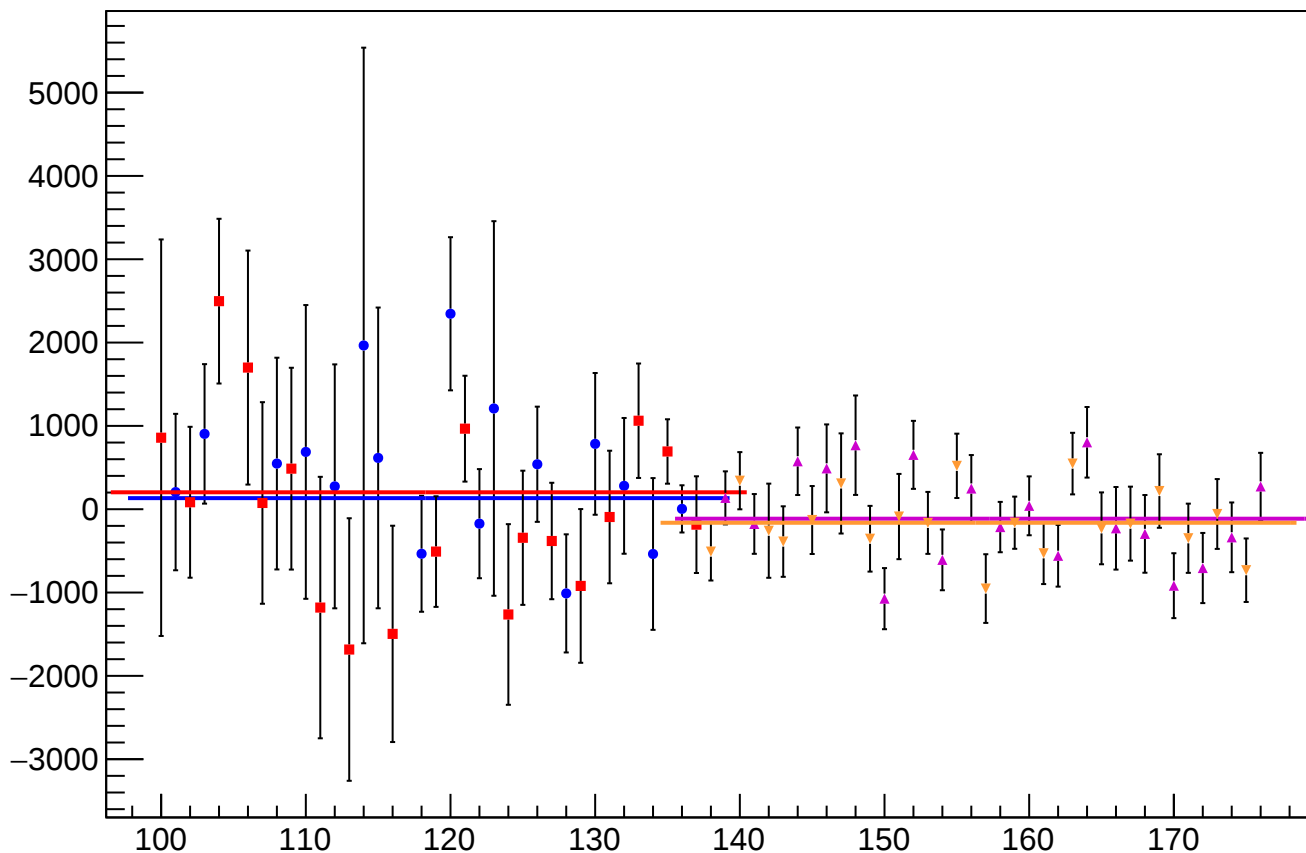
Right: 1445.316 $\pm$ 0.277 χ^2 /NDF: 312524.3/35

In: 1700.236 $\pm$ 0.266 χ^2 /NDF: 1910137.1/35

Out: 1683.327 $\pm$ 0.259 χ^2 /NDF: 1962995.8/38

All: 1691.542 $\pm$ 0.185 χ^2 /NDF: 3875209.2/74

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -162.687 $\pm$ 90.100 χ^2 /NDF:19.1/19

Right Out: 203.062 $\pm$ 184.353 χ^2 /NDF: 21.4/18

Left In: -113.918 $\pm$ 90.580 χ^2 /NDF:34.1/18

Left: -138.432 $\pm$ 63.879 χ^2 /NDF: 53.4/38

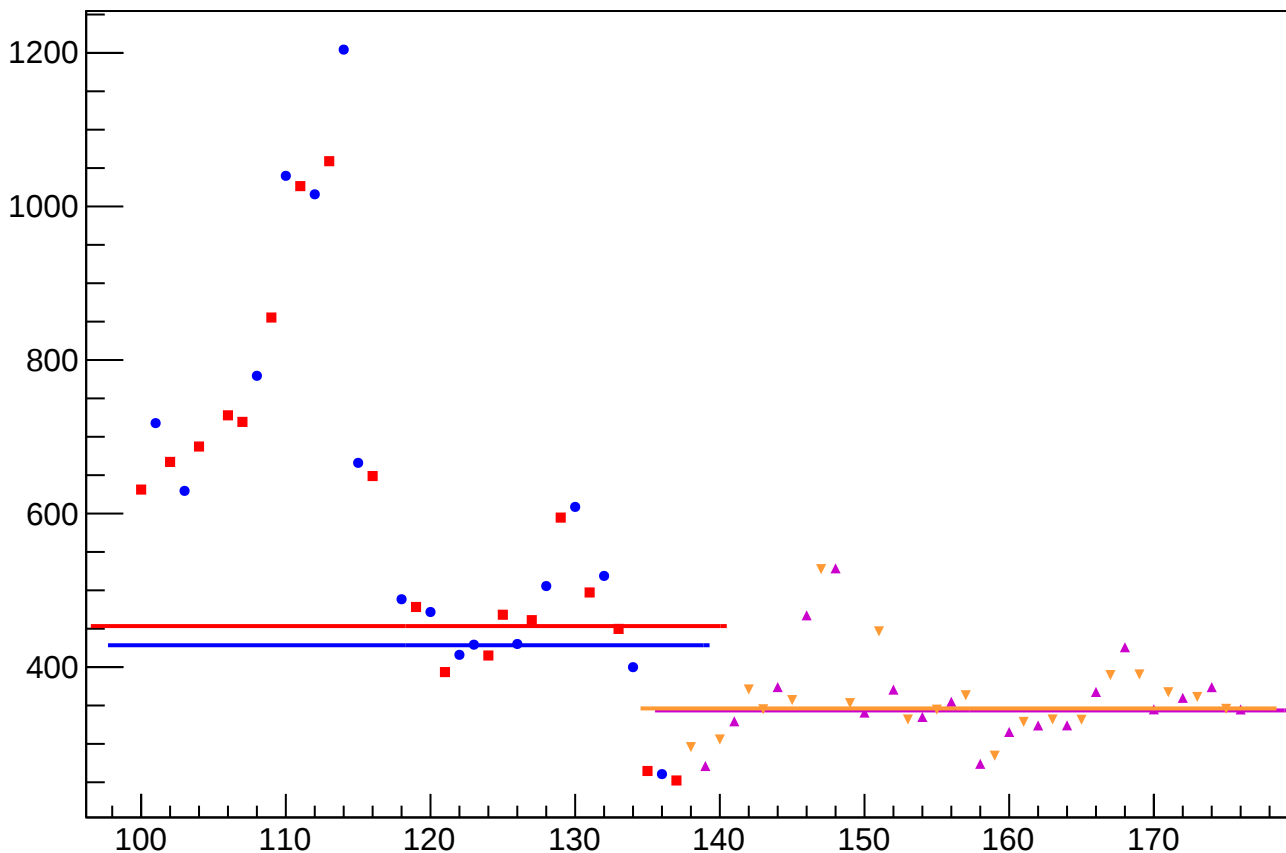
Right: 167.206 $\pm$ 128.890 χ^2 /NDF: 34.4/35

In: -64.160 $\pm$ 80.937 χ^2 /NDF:48.5/35

Out: -92.167 $\pm$ 80.950 χ^2 /NDF:43.7/38

All: -78.161 $\pm$ 57.236 χ^2 /NDF: 92.3/74

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 346.179+/-0.064 χ^2/NDF : 475732.8/19

Right Out: 453.435+/-0.130 χ^2/NDF : 2029813.8/18

Left In: 343.565+/-0.064 χ^2/NDF : 640845.8/18

Left: 344.879+/-0.045 χ^2/NDF : 1117415.7/38

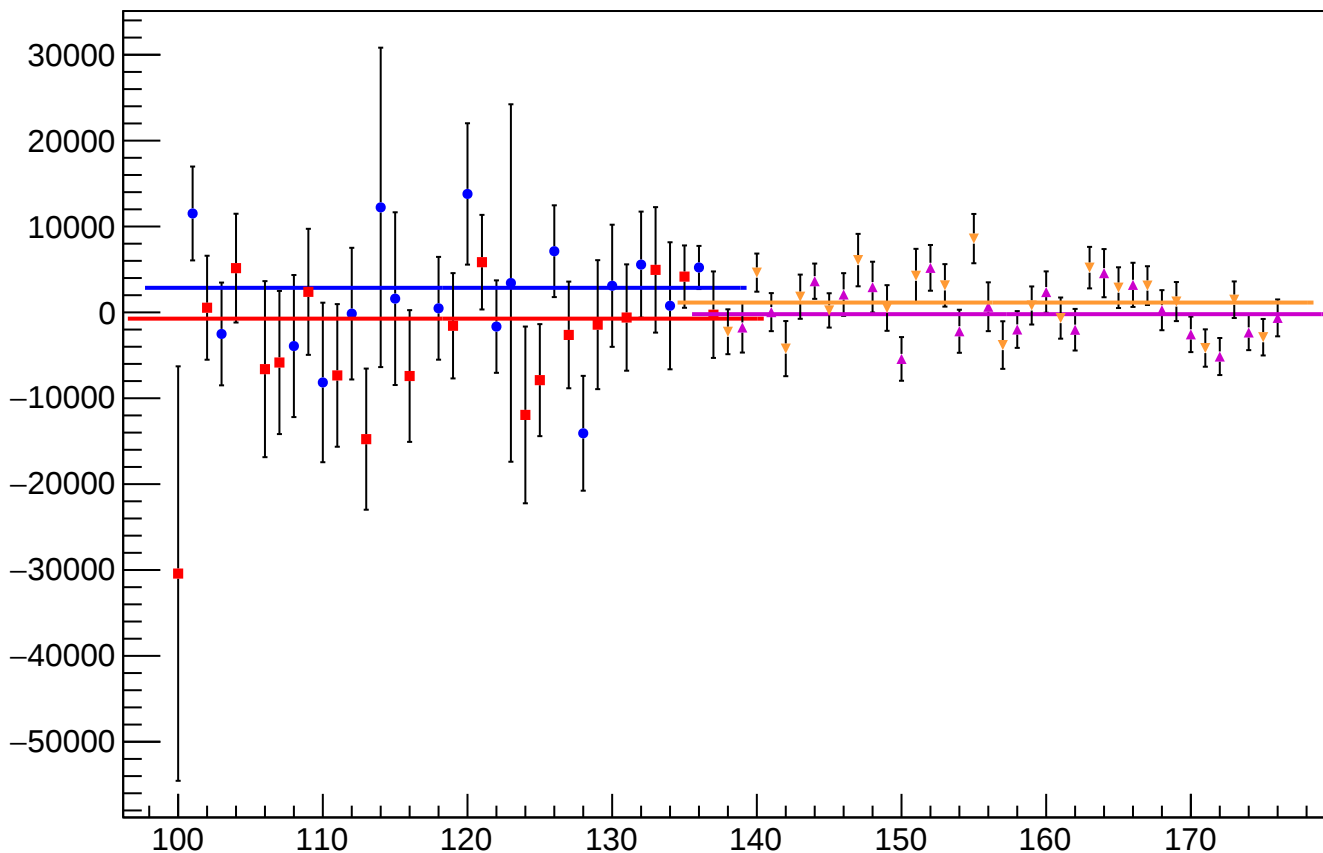
Right: 440.668+/-0.091 χ^2/NDF : 4060031.3/35

In: 360.678+/-0.057 χ^2/NDF : 3006439.0/35

Out: 366.859+/-0.057 χ^2/NDF : 3051995.4/38

All: 363.768+/-0.040 χ^2/NDF : 6064265.3/74

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1143.622 $\pm$ 543.765 χ^2 /NDF:35.8/19

Right Out: -729.571 $\pm$ 1509.224 χ^2 /NDF: 14.0/18

Left In: -208.470 $\pm$ 547.427 χ^2 /NDF:29.5/18

Left: 472.114 $\pm$ 385.788 χ^2 /NDF: 68.3/38

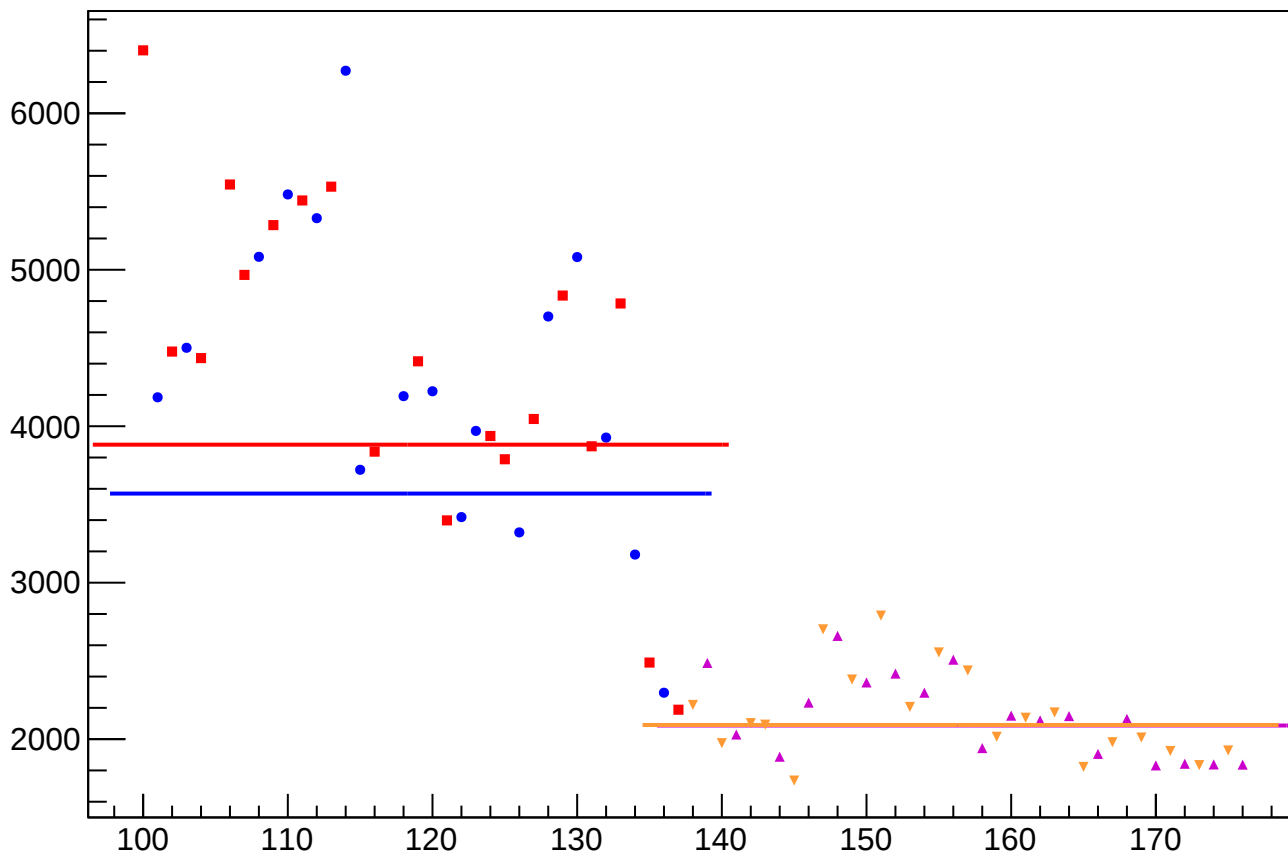
Right: 1139.446 $\pm$ 1044.821 χ^2 /NDF: 33.6/35

In: 175.260 $\pm$ 512.050 χ^2 /NDF:50.1/35

Out: 928.398 $\pm$ 511.573 χ^2 /NDF:51.1/38

All: 552.180 $\pm$ 361.905 χ^2 /NDF: 102.3/74

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2090.478+/-0.384 χ^2/NDF : 455523.3/19

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

Left In: 2087.089+/-0.387 χ^2/NDF : 386661.8/18

Left: 2088.795+/-0.273 χ^2/NDF : 842223.7/38

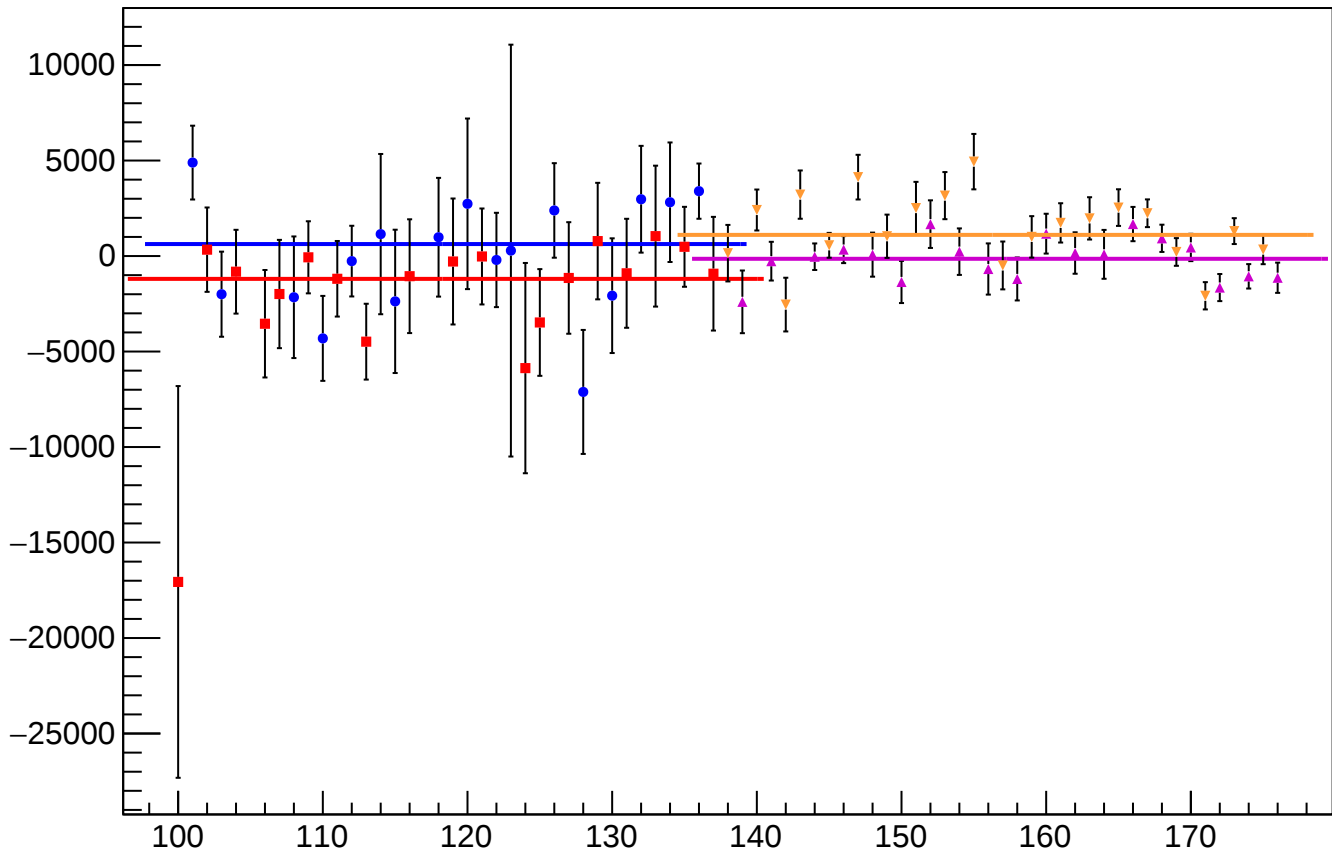
Right: 3719.420+/-0.739 χ^2/NDF : 2115685.3/35

In: 2272.512+/-0.362 χ^2/NDF : 3309231.5/35

Out: 2296.337+/-0.362 χ^2/NDF : 3933450.0/38

All: 2284.436+/-0.256 χ^2/NDF : 7244848.4/74

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1107.919 ± 213.295 χ^2/NDF : 59.4/19

Right Out: -1195.385 ± 603.058 χ^2/NDF : 9.9/18

Left In: -144.300 ± 207.529 χ^2/NDF : 23.8/18

Left: 464.655 ± 148.742 χ^2/NDF : 100.9/38

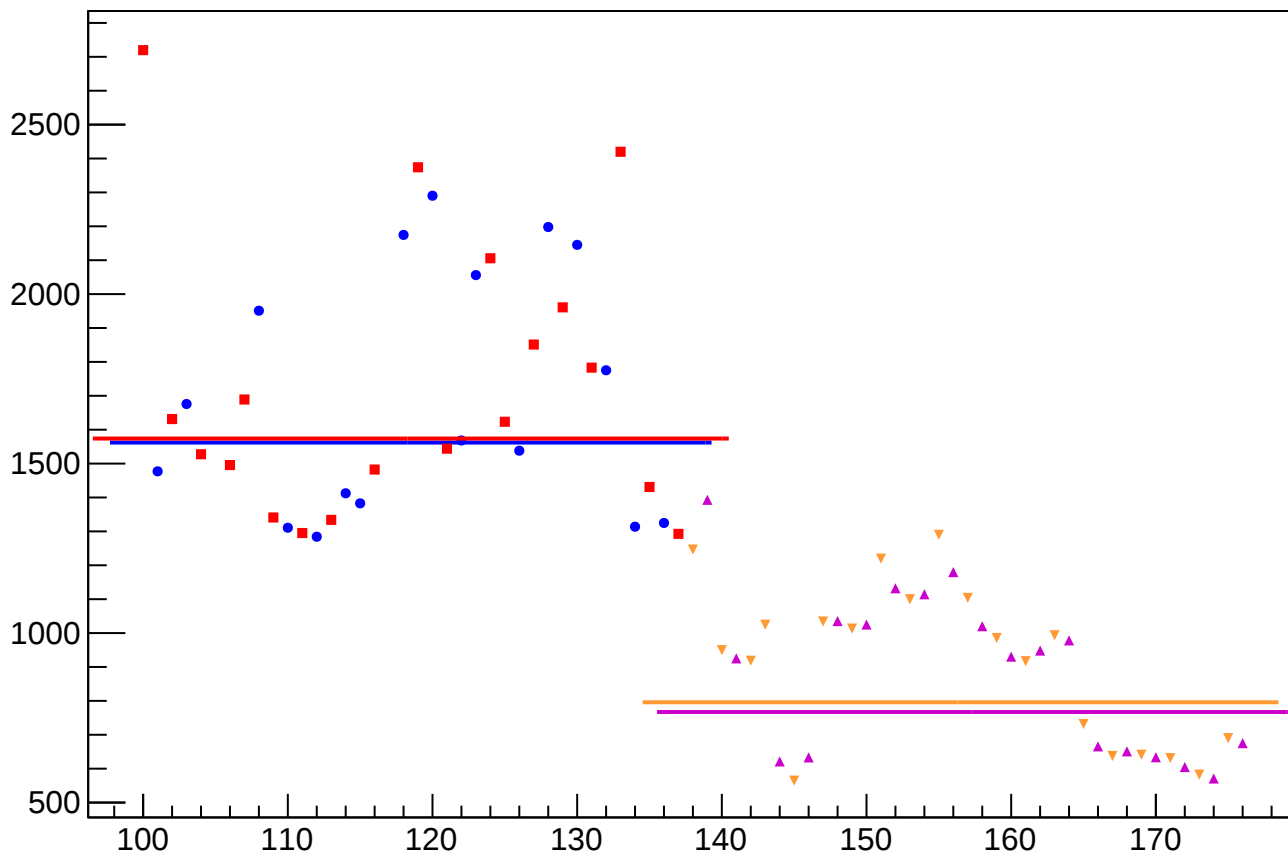
Right: -310.478 ± 432.606 χ^2/NDF : 39.4/35

In: -66.733 ± 196.827 χ^2/NDF : 50.2/35

Out: 851.820 ± 201.088 χ^2/NDF : 82.3/38

All: 382.708 ± 140.660 χ^2/NDF : 143.2/74

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 795.872 $\pm$ 0.151 χ^2 /NDF: 2072675.7/19

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

Left In: 767.117 $\pm$ 0.147 χ^2 /NDF: 1969514.8/18

Left: 781.101 $\pm$ 0.105 χ^2 /NDF: 4060862.3/38

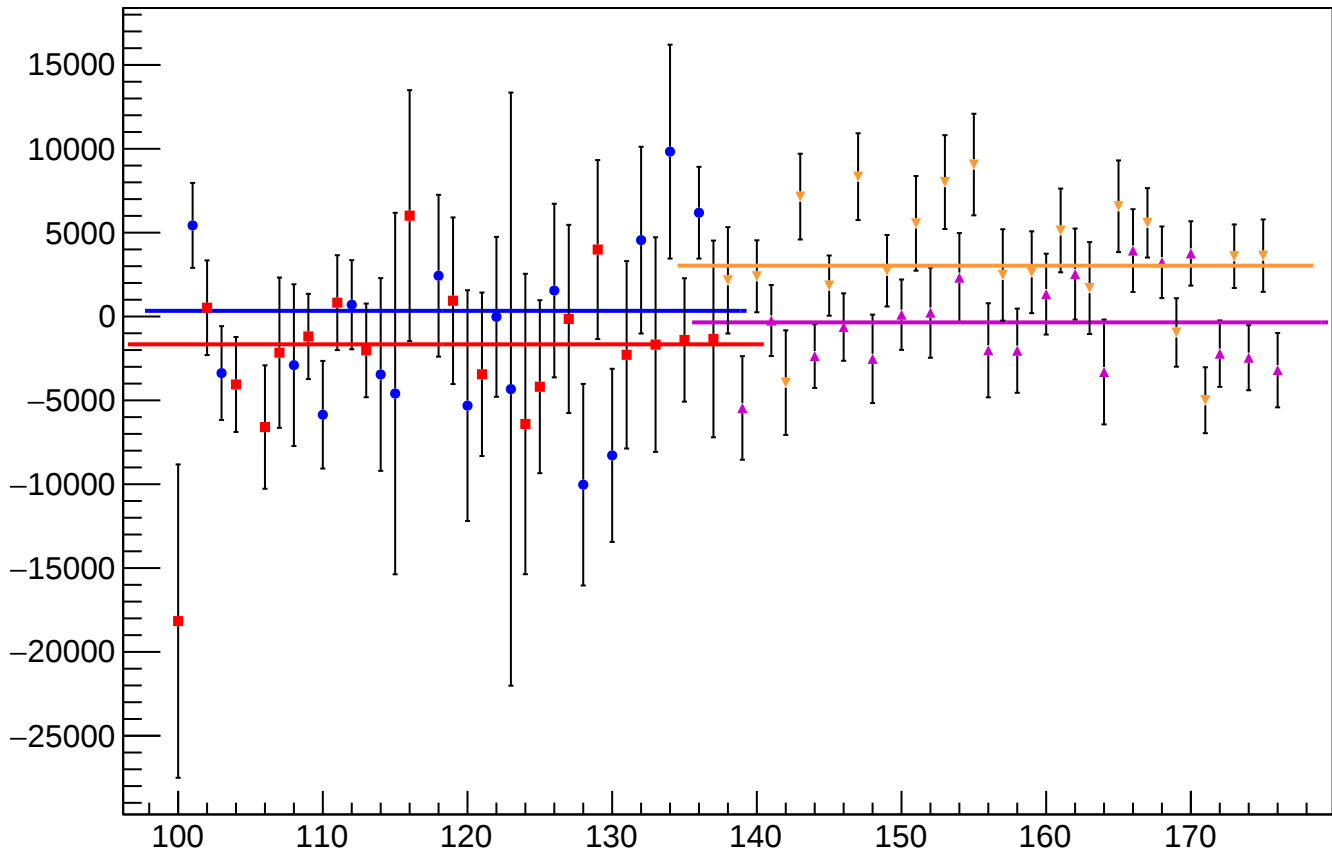
Right: 1568.176 $\pm$ 0.306 χ^2 /NDF: 946451.6/35

In: 846.998 $\pm$ 0.139 χ^2 /NDF: 5400589.3/35

Out: 882.379 $\pm$ 0.142 χ^2 /NDF: 5495497.7/38

All: 864.310 $\pm$ 0.099 χ^2 /NDF: 10927707.7/74

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 3031.559 $\pm$ 529.250 χ^2 /NDF:45.2/19

Right Out: -1658.069 $\pm$ 924.453 χ^2 /NDF: 10.3/18

Left In: -350.441 $\pm$ 528.605 χ^2 /NDF:23.1/18

Left: 1338.499 $\pm$ 374.008 χ^2 /NDF: 88.8/38

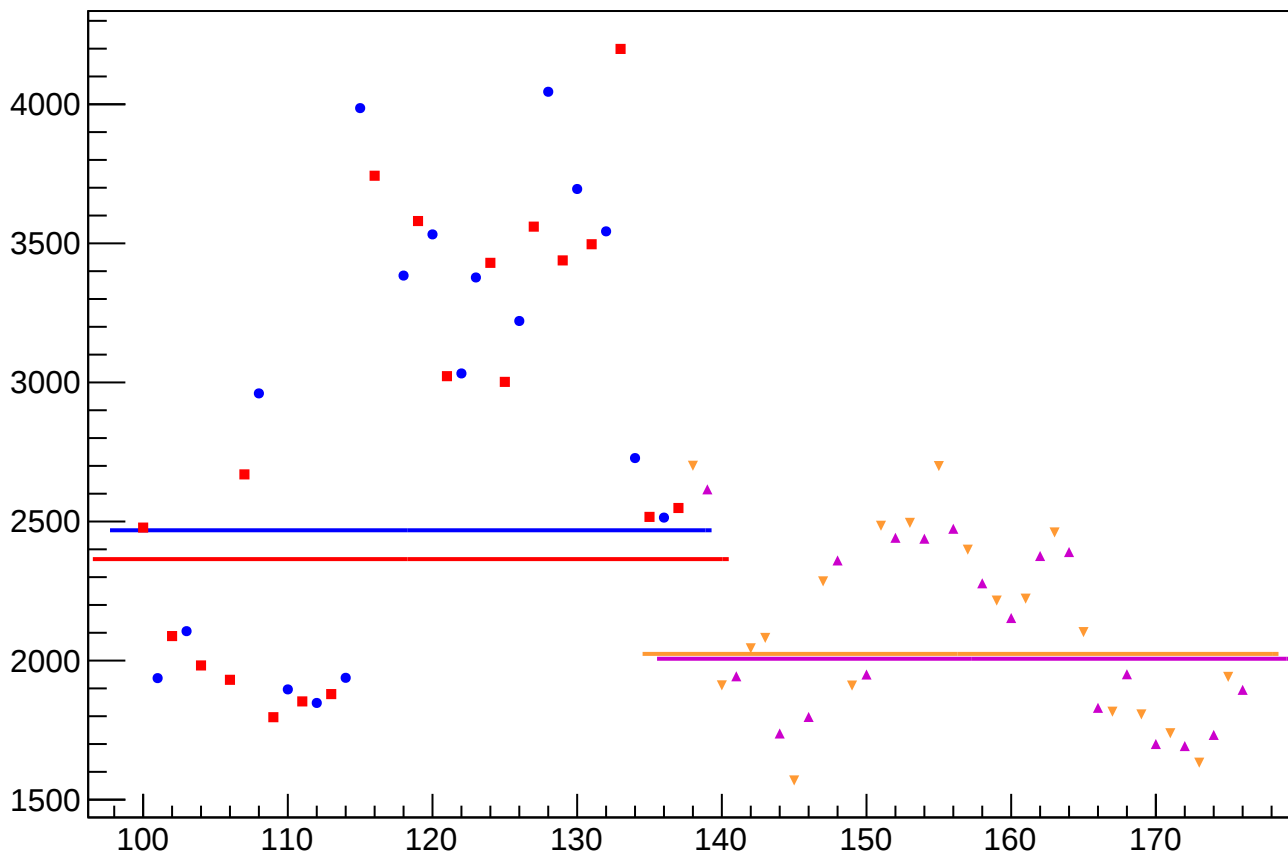
Right: -734.084 $\pm$ 677.520 χ^2 /NDF: 37.2/35

In: -199.079 $\pm$ 466.904 χ^2 /NDF:48.2/35

Out: 1873.925 $\pm$ 459.305 χ^2 /NDF:74.8/38

All: 854.430 $\pm$ 327.431 χ^2 /NDF: 133.1/74

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2024.076 $\pm$ 0.374 χ^2 /NDF: 749925.7/19

Right Out: 2364.833 $\pm$ 0.654 χ^2 /NDF: 1025161.0/18

Left In: 2006.584 $\pm$ 0.374 χ^2 /NDF: 595087.7/18

Left: 2015.319 $\pm$ 0.264 χ^2 /NDF: 1346107.0/38

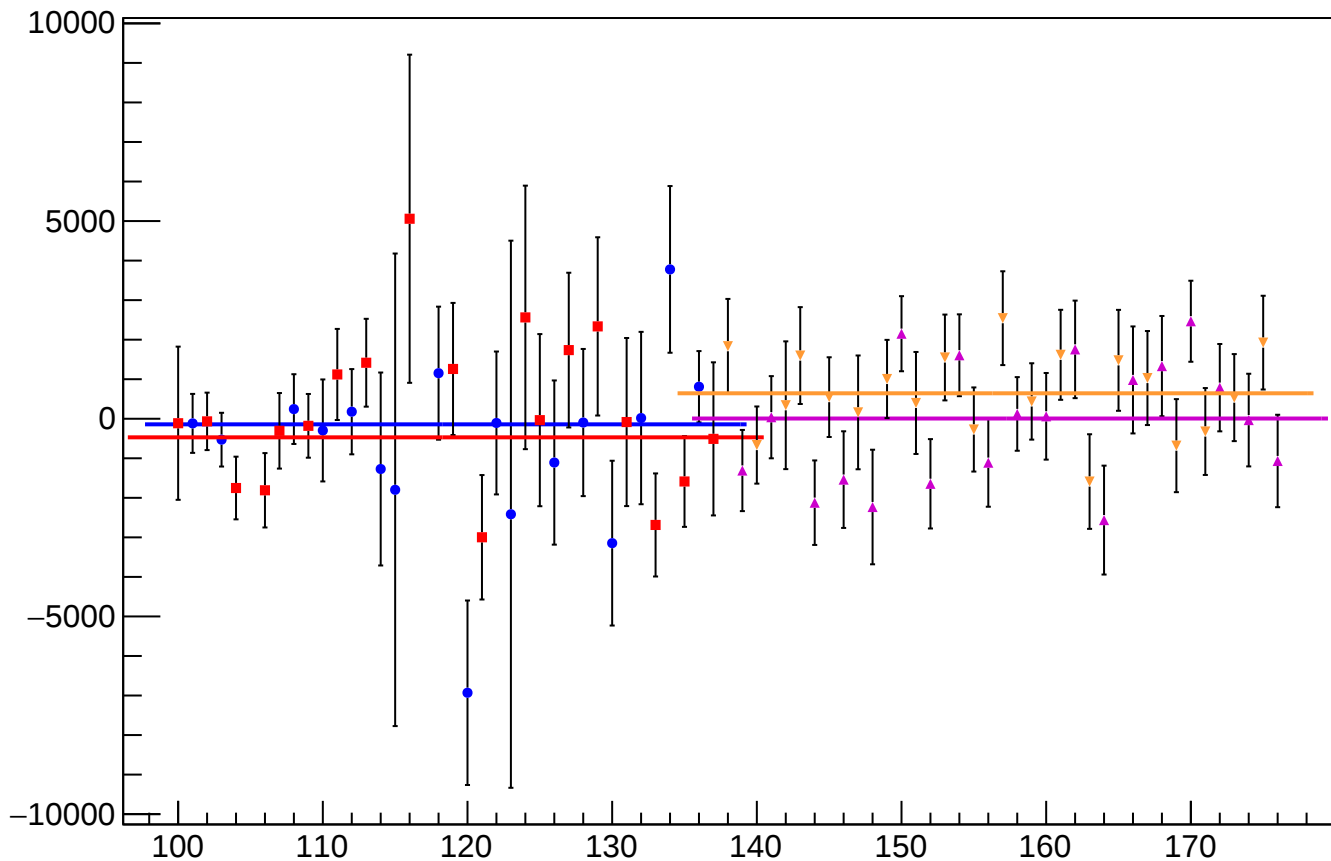
Right: 2412.813 $\pm$ 0.479 χ^2 /NDF: 1932953.4/35

In: 2108.122 $\pm$ 0.330 χ^2 /NDF: 1826937.9/35

Out: 2108.192 $\pm$ 0.325 χ^2 /NDF: 1979746.6/38

All: 2108.157 $\pm$ 0.232 χ^2 /NDF: 3806684.6/74

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 643.942 ± 255.807 $\chi^2/\text{NDF}: 15.7/19$

Right Out: -470.143 ± 282.892 $\chi^2/\text{NDF}: 22.9/18$

Left In: 5.910 ± 257.367 $\chi^2/\text{NDF}: 34.5/18$

Left: 326.866 ± 181.432 $\chi^2/\text{NDF}: 53.3/38$

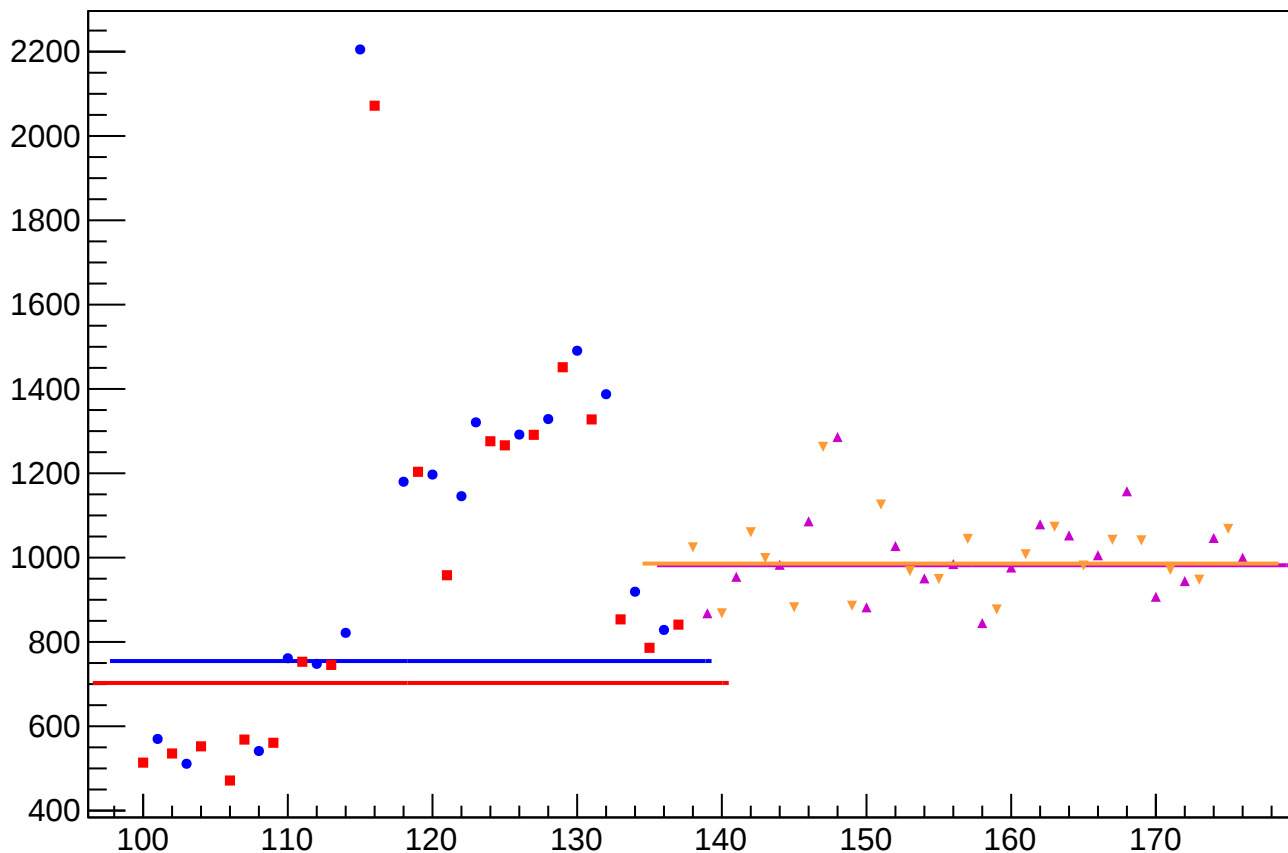
Right: -322.421 ± 209.970 $\chi^2/\text{NDF}: 40.5/35$

In: -53.364 ± 198.875 $\chi^2/\text{NDF}: 51.5/35$

Out: 142.773 ± 189.738 $\chi^2/\text{NDF}: 47.2/38$

All: 49.313 ± 137.281 $\chi^2/\text{NDF}: 99.2/74$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2/NDF : 1690621.2/16

Left Out: 985.890 $\pm$ 0.181 χ^2/NDF :240851.0/19

Right Out: 702.721 $\pm$ 0.200 χ^2/NDF : 1691602.9/18

Left In: 981.885 $\pm$ 0.182 χ^2/NDF :275315.4/18

Left: 983.900 $\pm$ 0.128 χ^2/NDF : 516410.0/38

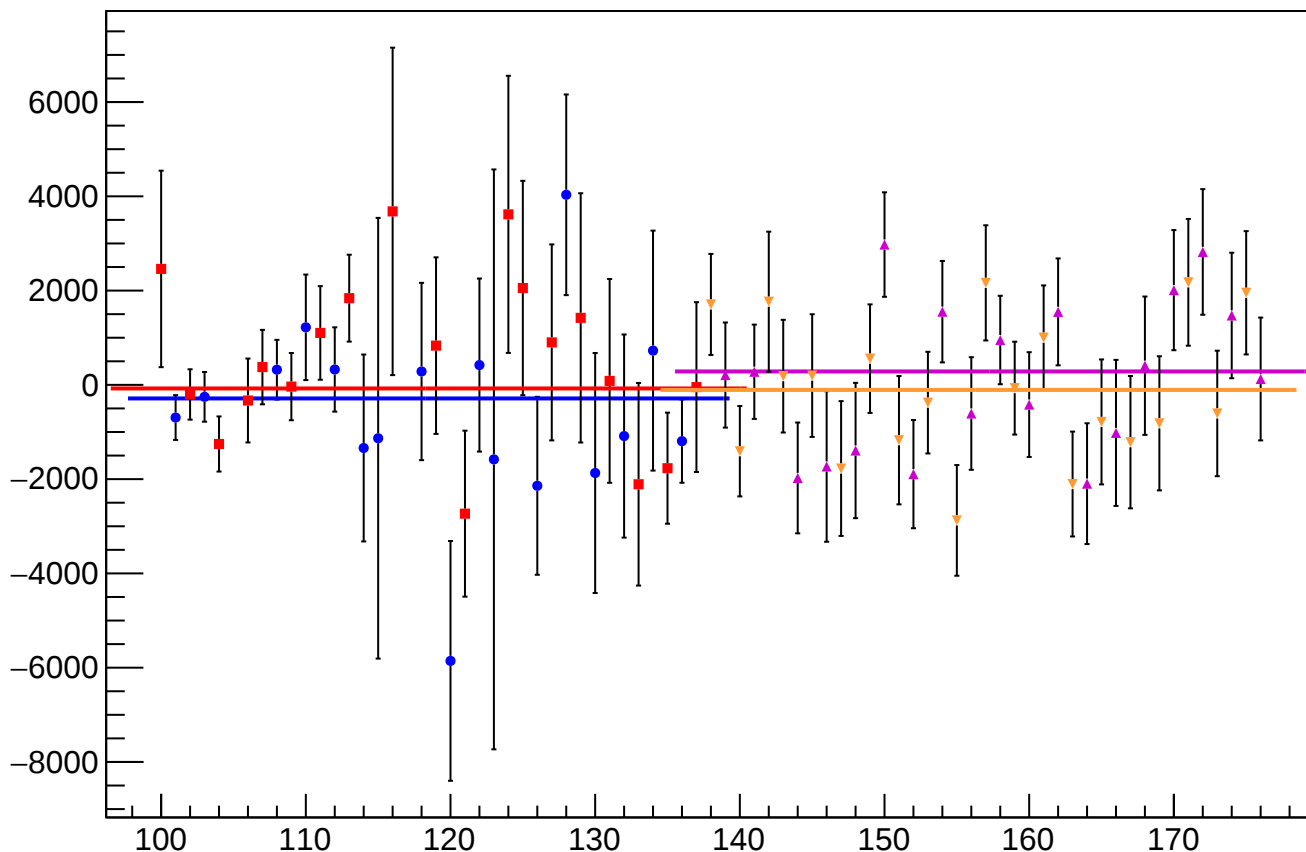
Right: 726.058 $\pm$ 0.148 χ^2/NDF : 3412528.8/35

In: 890.348 $\pm$ 0.141 χ^2/NDF :2593899.8/35

Out: 858.507 $\pm$ 0.134 χ^2/NDF :3034911.1/38

All: 873.679 $\pm$ 0.097 χ^2/NDF : 5655648.9/74

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 ± 250.436 χ^2/NDF : 16.2/16

Left Out: -107.163 ± 270.492 χ^2/NDF : 28.7/19

Right Out: -76.119 ± 246.083 χ^2/NDF : 21.4/18

Left In: 284.657 ± 276.420 χ^2/NDF : 30.7/18

Left: 84.501 ± 193.328 χ^2/NDF : 60.4/38

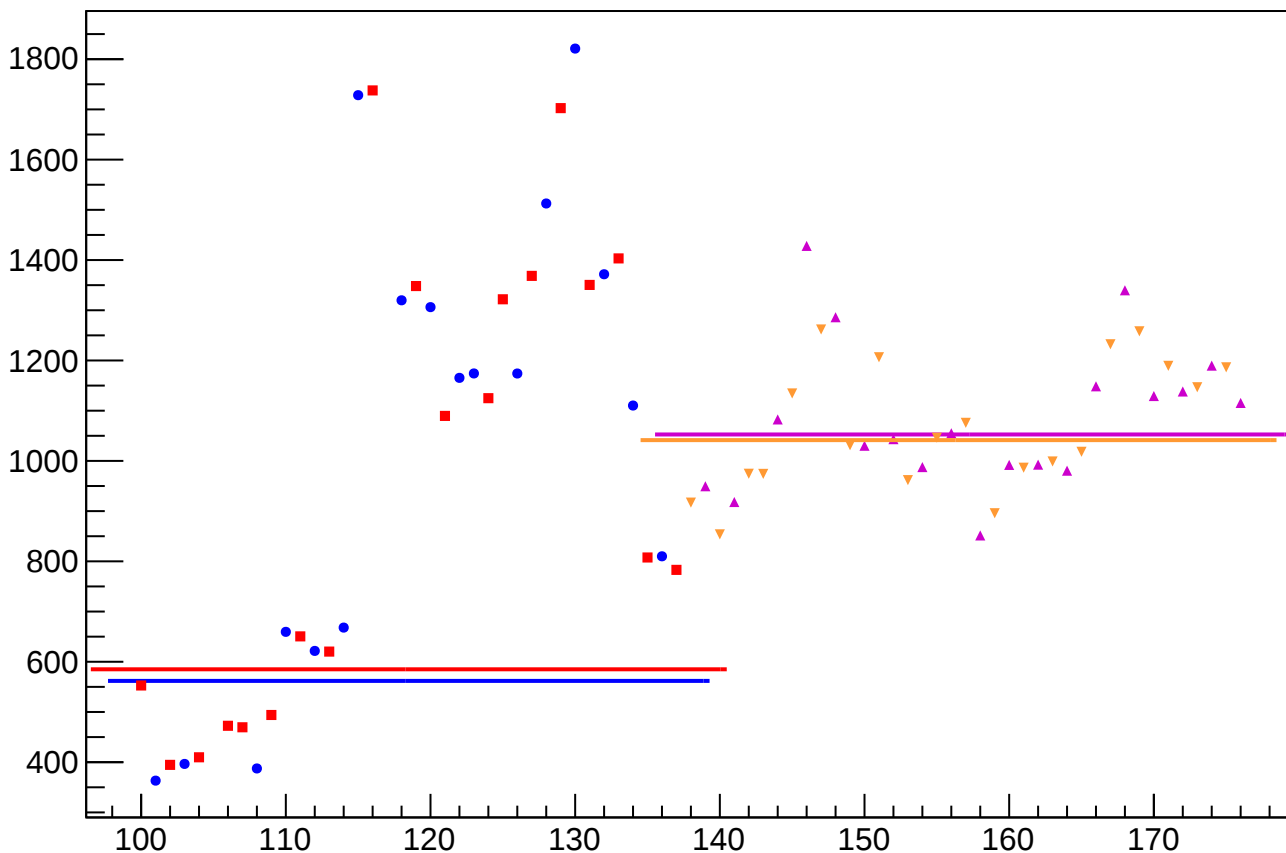
Right: -180.221 ± 175.526 χ^2/NDF : 37.9/35

In: -29.866 ± 185.593 χ^2/NDF : 49.2/35

Out: -90.177 ± 182.026 χ^2/NDF : 50.0/38

All: -60.607 ± 129.955 χ^2/NDF : 99.3/74

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1041.377 $\pm$ 0.191 χ^2 /NDF:410705.4/19

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

Left In: 1052.651 $\pm$ 0.195 χ^2 /NDF:461680.5/18

Left: 1046.892 $\pm$ 0.137 χ^2 /NDF: 874085.6/38

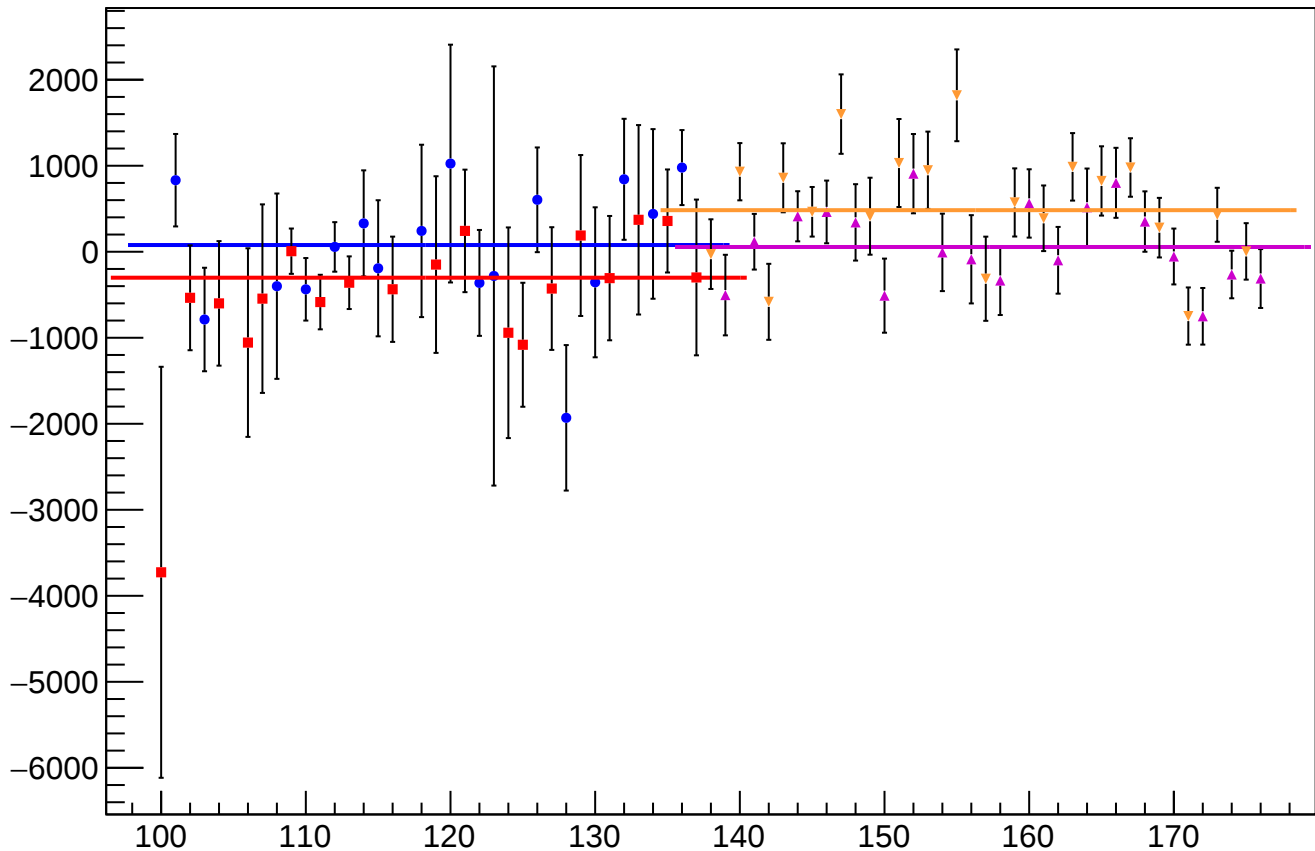
Right: 573.646 $\pm$ 0.124 χ^2 /NDF: 6049757.3/35

In: 783.127 $\pm$ 0.131 χ^2 /NDF:7140560.9/35

Out: 791.668 $\pm$ 0.129 χ^2 /NDF:6350353.0/38

All: 787.481 $\pm$ 0.092 χ^2 /NDF: 13493072.9/74

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 $\pm$ 142.869 χ^2 /NDF: 19.8/16

Left Out: 483.293 $\pm$ 85.752 χ^2 /NDF: 47.9/19

Right Out: -301.651 $\pm$ 129.650 χ^2 /NDF: 9.1/18

Left In: 55.336 $\pm$ 85.774 χ^2 /NDF: 26.3/18

Left: 269.371 $\pm$ 60.643 χ^2 /NDF: 86.7/38

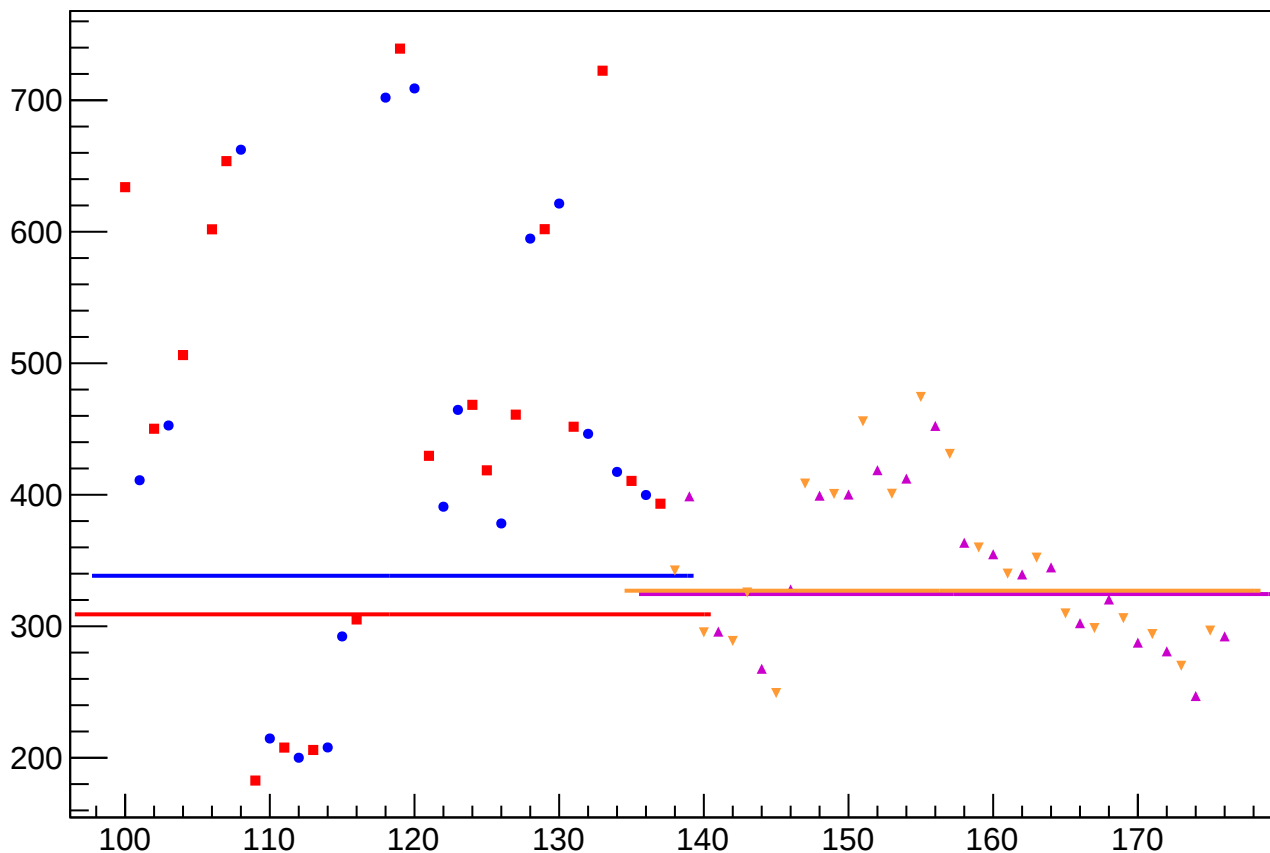
Right: -130.116 $\pm$ 96.010 χ^2 /NDF: 32.7/35

In: 61.389 $\pm$ 73.539 χ^2 /NDF: 46.1/35

Out: 244.411 $\pm$ 71.523 χ^2 /NDF: 82.5/38

All: 155.443 $\pm$ 51.272 χ^2 /NDF: 131.8/74

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 327.061 $\pm$ 0.061 χ^2 /NDF: 873440.0/19

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

Left In: 324.505 $\pm$ 0.061 χ^2 /NDF: 823977.6/18

Left: 325.783 $\pm$ 0.043 χ^2 /NDF: 1698306.0/38

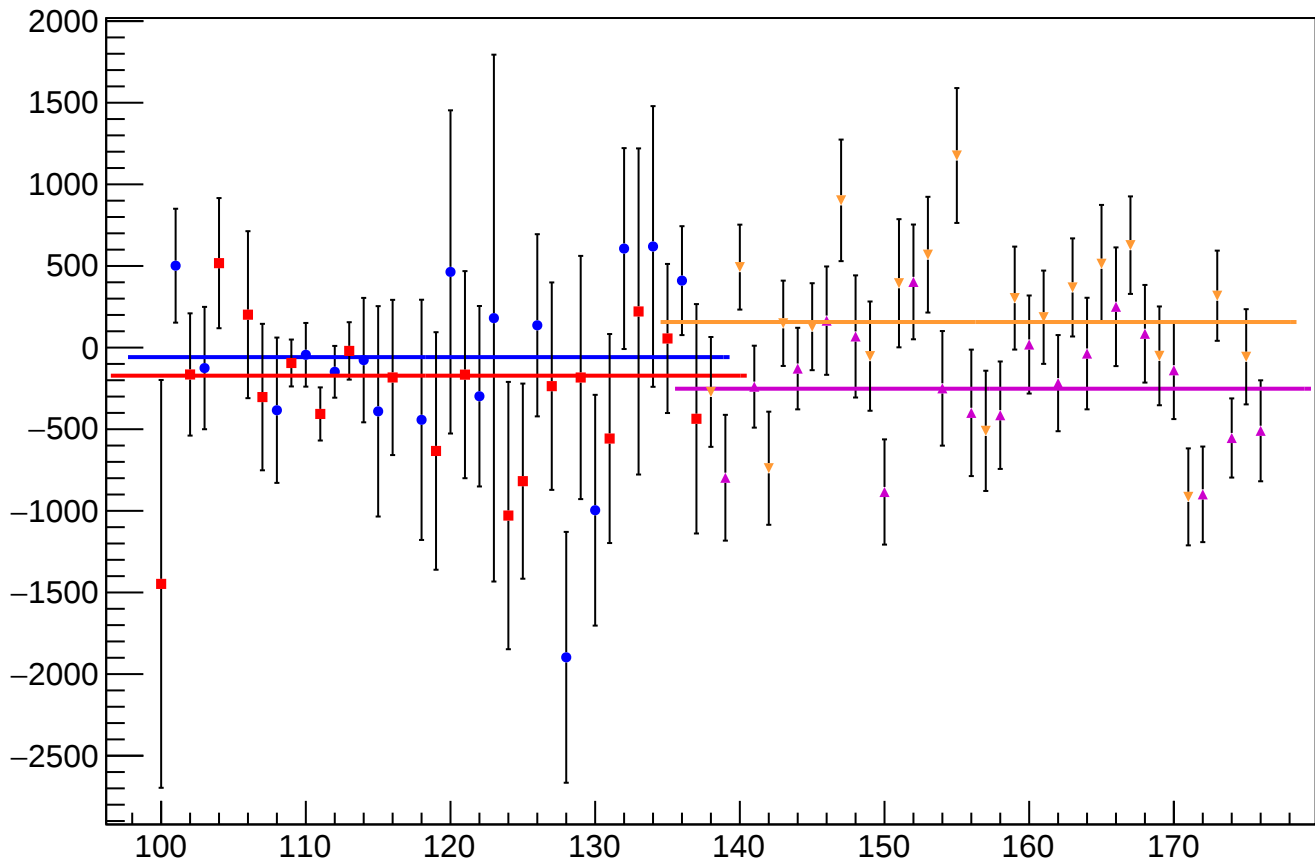
Right: 322.325 $\pm$ 0.068 χ^2 /NDF: 4788966.2/35

In: 328.188 $\pm$ 0.052 χ^2 /NDF: 2847186.0/35

Out: 321.589 $\pm$ 0.051 χ^2 /NDF: 3633664.2/38

All: 324.797 $\pm$ 0.036 χ^2 /NDF: 6489126.8/74

asym_sam8_mean vs Slug, Sign Corrected



Left: -43.947 ± 49.954 $\chi^2/\text{NDF}: 84.7/38$

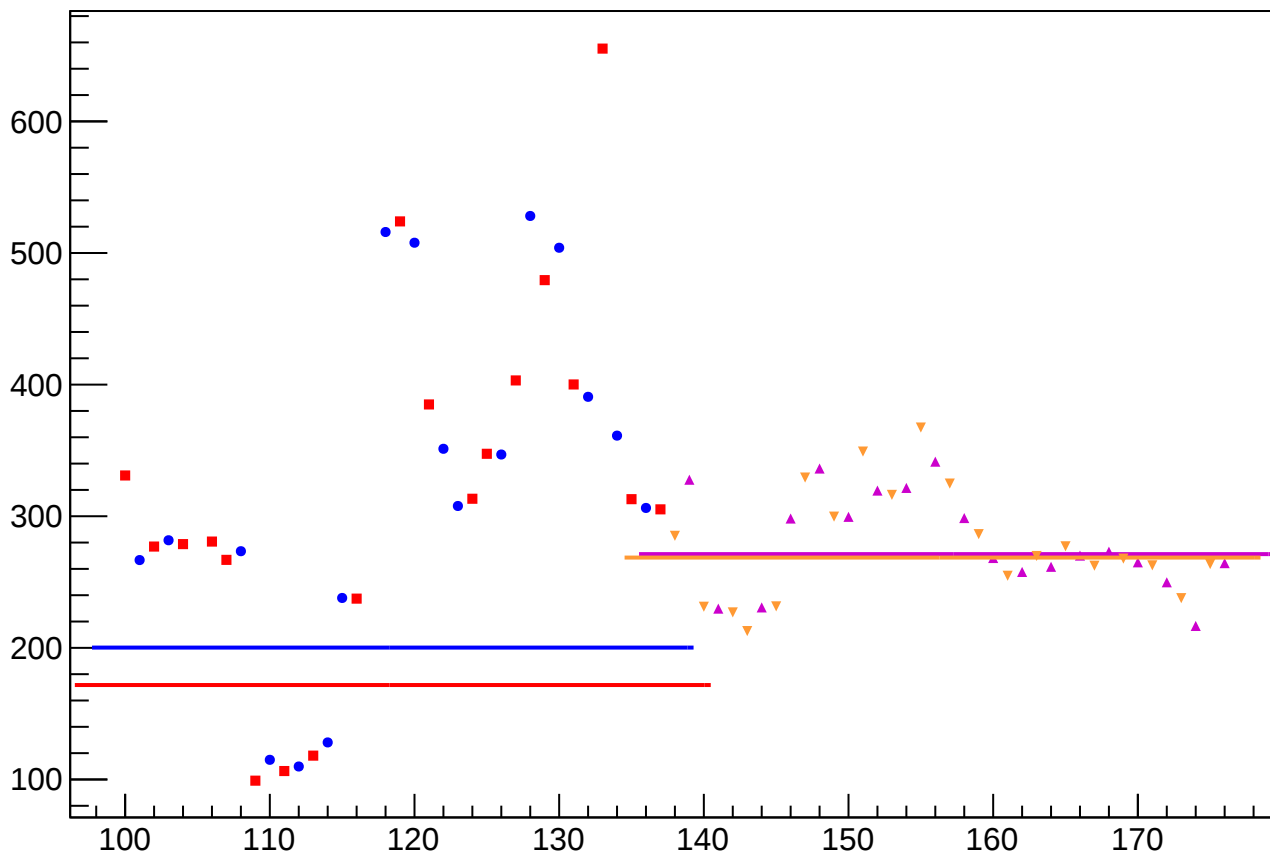
Right: -124.276 ± 58.606 $\chi^2/\text{NDF}: 28.1/35$

In: -177.725 ± 55.992 $\chi^2/\text{NDF}: 42.6/35$

Out: 7.762 ± 51.784 $\chi^2/\text{NDF}: 65.3/38$

All: -77.750 ± 38.017 $\chi^2/\text{NDF}: 113.9/74$

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 268.598+/-0.050 χ^2/NDF : 596343.2/19

Right Out: 171.757+/-0.054 χ^2/NDF : 4093922.6/18

Left In: 271.223+/-0.050 χ^2/NDF : 517574.5/18

Left: 269.887+/-0.035 χ^2/NDF : 1115298.2/38

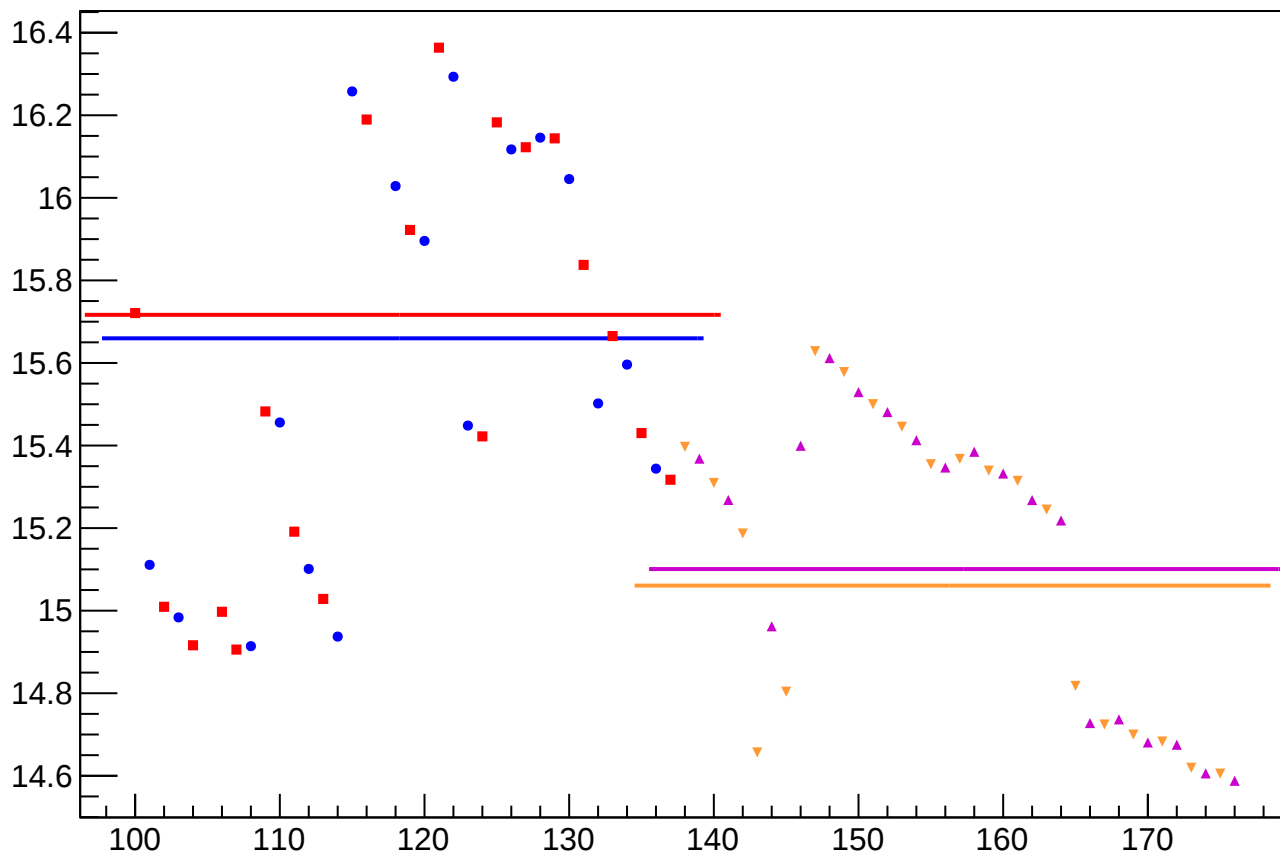
Right: 183.693+/-0.041 χ^2/NDF : 7595909.3/35

In: 244.031+/-0.040 χ^2/NDF : 4664958.4/35

Out: 224.708+/-0.037 χ^2/NDF : 6423598.2/38

All: 233.616+/-0.027 χ^2/NDF : 11216937.5/74

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.061 $\pm$ 0.000 χ^2 /NDF: 15841553035.7/19

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

Left In: 15.101 $\pm$ 0.000 χ^2 /NDF: 14322014591.9/18

Left: 15.080 $\pm$ 0.000 χ^2 /NDF: 30264691665.5/38

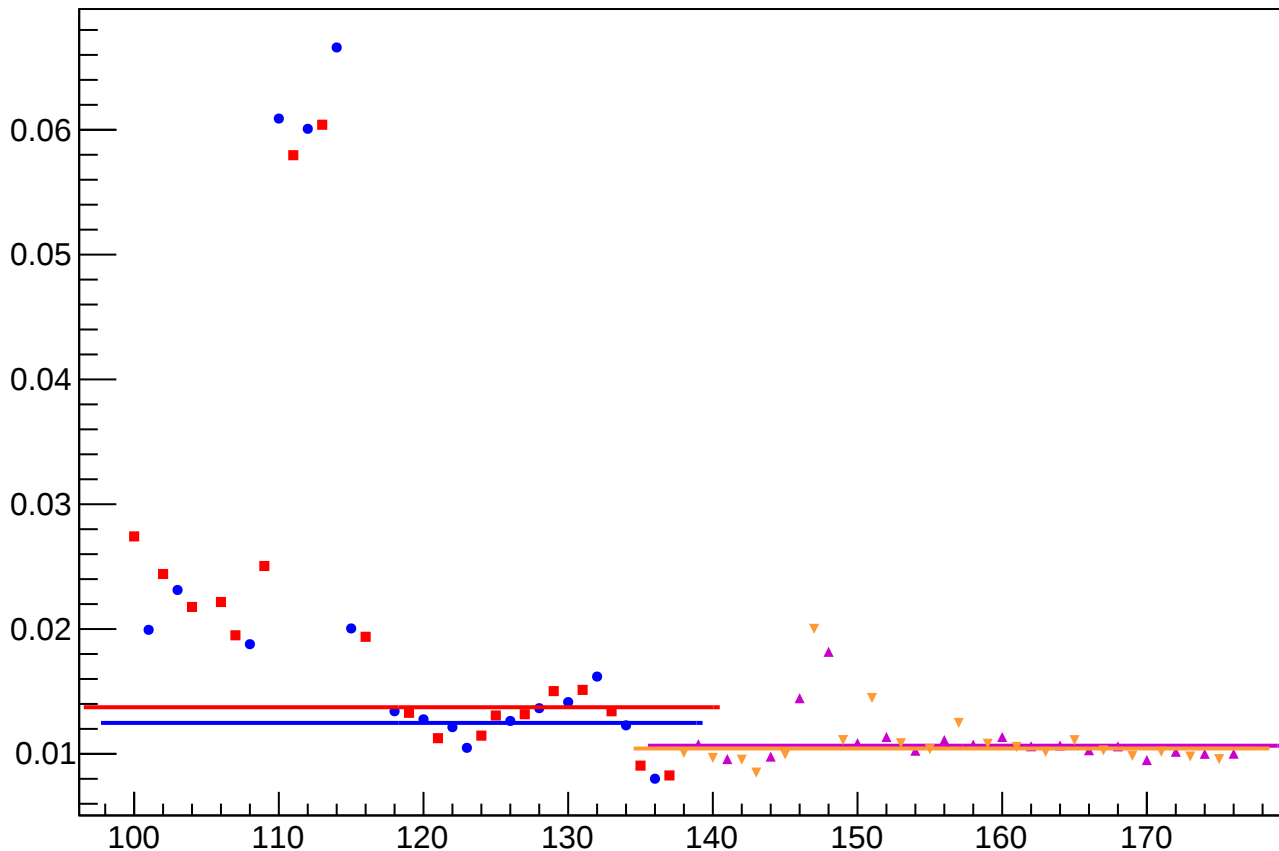
Right: 15.686 $\pm$ 0.000 χ^2 /NDF: 11294352327.9/35

In: 15.220 $\pm$ 0.000 χ^2 /NDF: 28245963120.6/35

Out: 15.180 $\pm$ 0.000 χ^2 /NDF: 31453591403.9/38

All: 15.200 $\pm$ 0.000 χ^2 /NDF: 59820424371.7

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:623146.4/19

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:452563.8/18

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 1081982.7/38

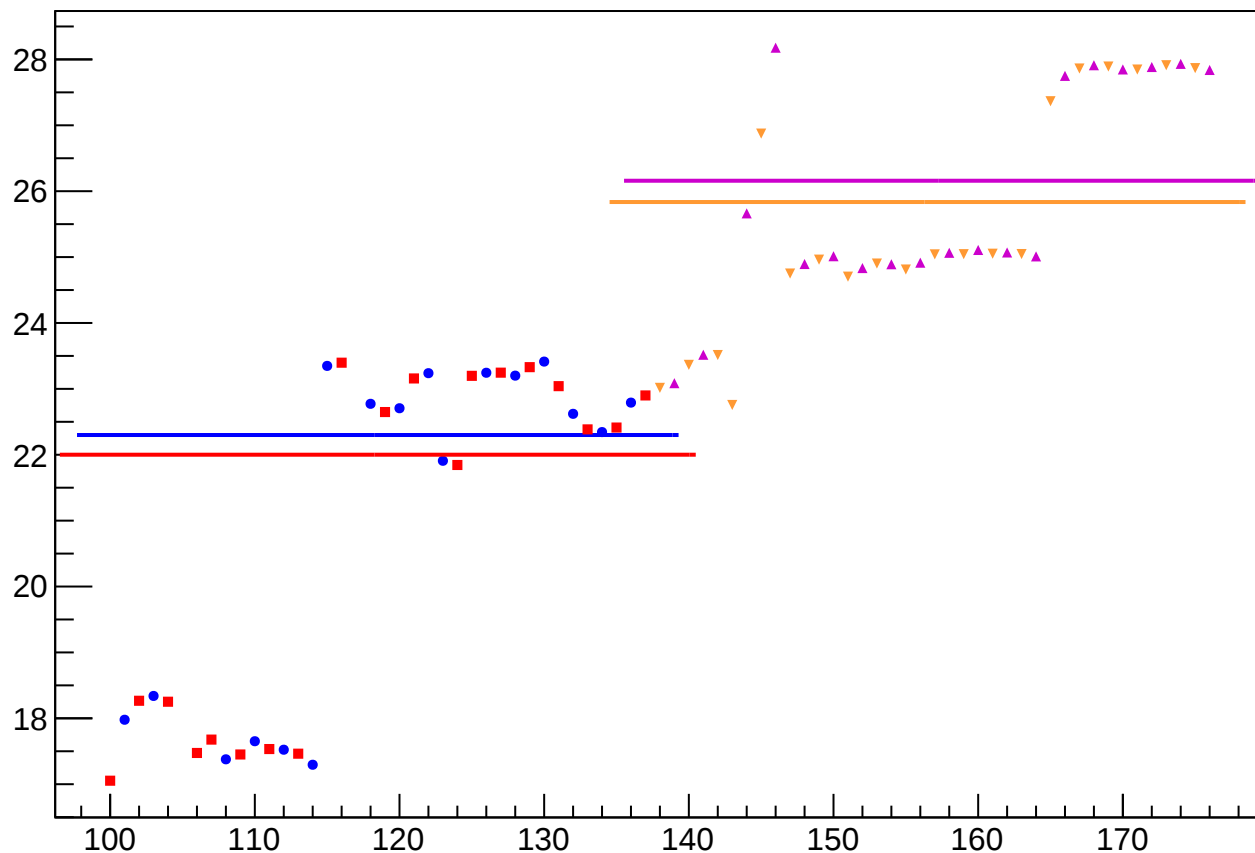
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 4279107.1/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2779626.7/35

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:3216778.7/38

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5996416.8/74

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000

χ^2/NDF : 938398636.8/16

Left: 25.994+/-0.000

χ^2/NDF : 6010814034.4/38

Left Out: 25.836+/-0.000

χ^2/NDF : 3349605613.2/19

Right: 22.159+/-0.000

χ^2/NDF : 2017477949.3/35

Right Out: 22.001+/-0.000

χ^2/NDF : 1066041325.5/18

In: 25.263+/-0.000

χ^2/NDF : 7087122286.6/35

Out: 25.046+/-0.000

χ^2/NDF : 7636433007.8/38

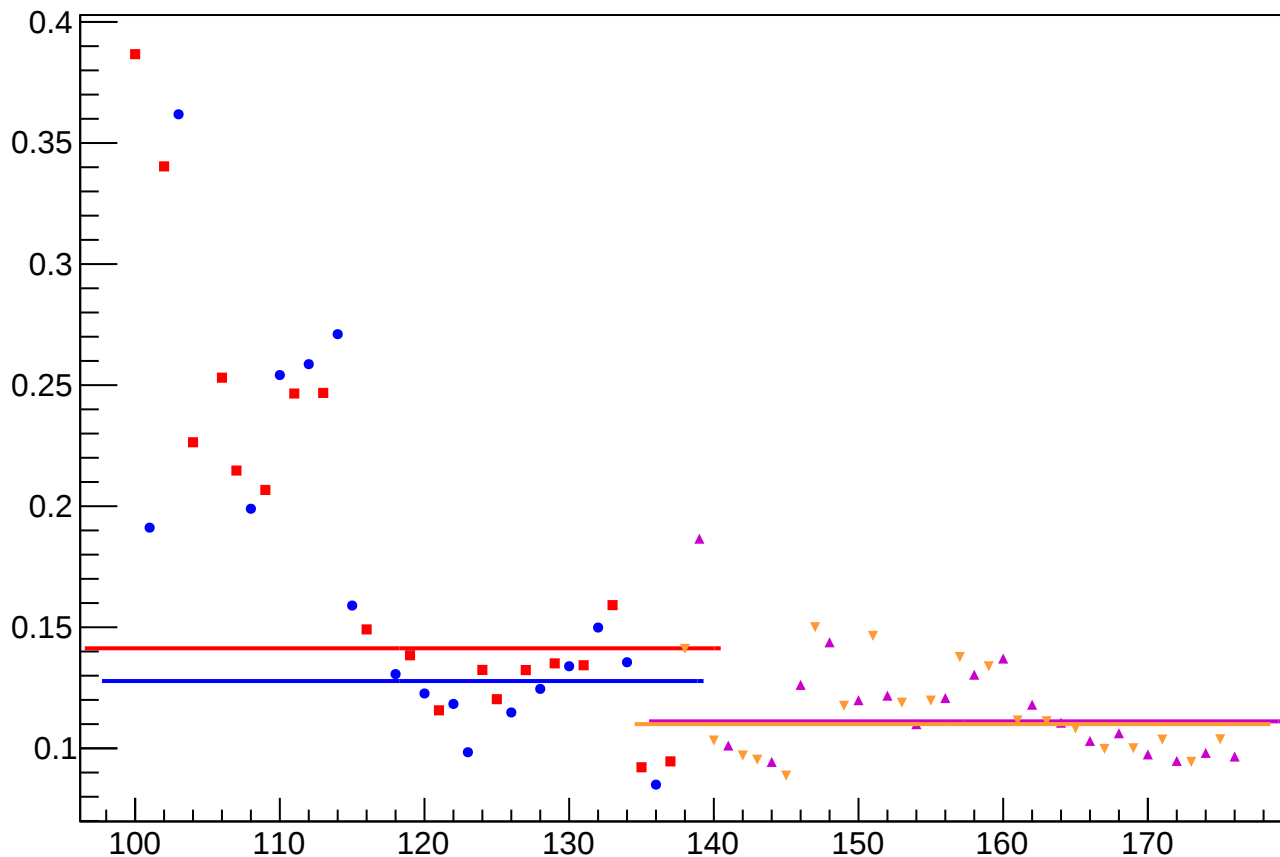
Left In: 26.159+/-0.000

χ^2/NDF : 2606736395.8/18

All: 25.155+/-0.000

χ^2/NDF : 14755062071.8

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.110+/-0.000 χ^2/NDF :566763.8/19

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

Left In: 0.111+/-0.000 χ^2/NDF :631462.3/18

Left: 0.111+/-0.000 χ^2/NDF : 1199585.3/38

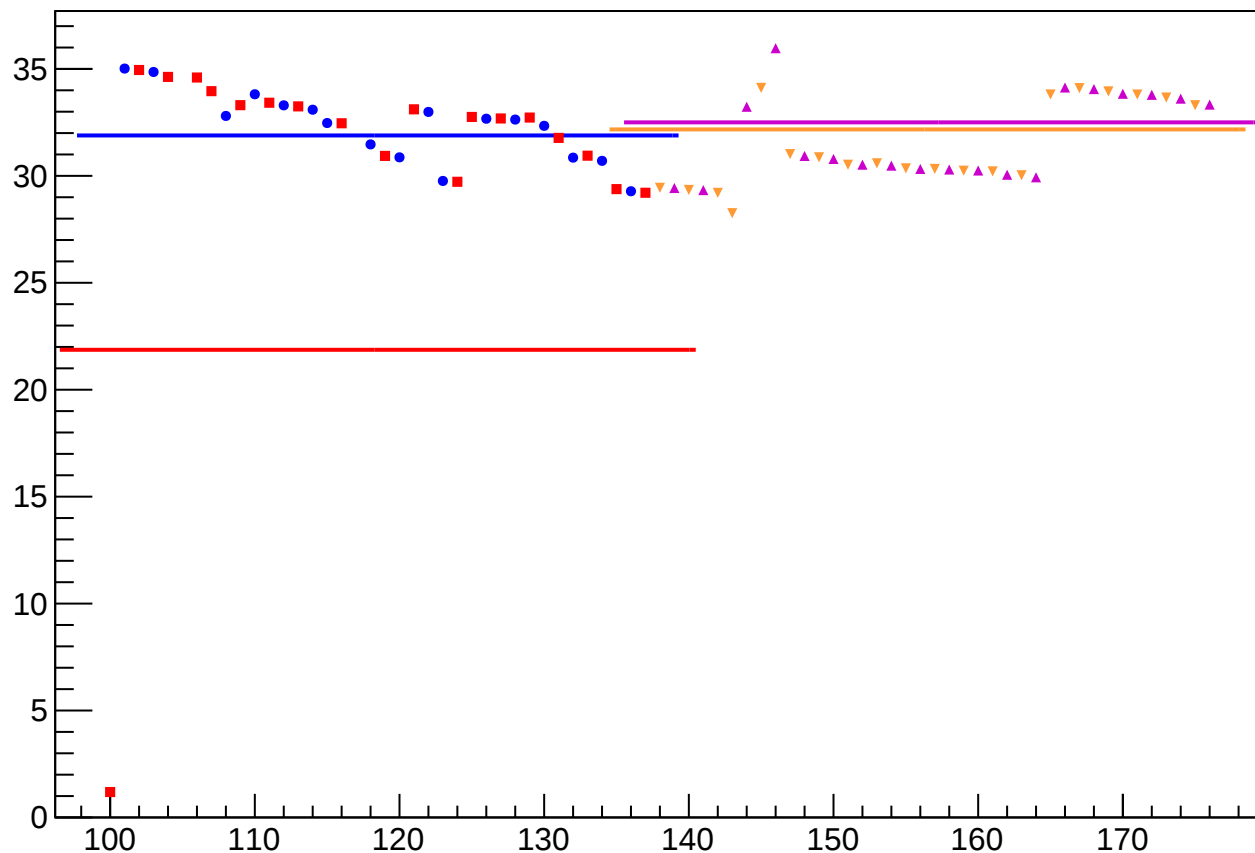
Right: 0.134+/-0.000 χ^2/NDF : 2994732.7/35

In: 0.115+/-0.000 χ^2/NDF :2255372.9/35

Out: 0.116+/-0.000 χ^2/NDF :2445381.1/38

All: 0.116+/-0.000 χ^2/NDF : 4703534.2/74

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000

χ^2/NDF : 1930403776.3/16

Left: 32.340+/-0.000 χ^2/NDF : 23599743420.1/38

Right: 25.887+/-0.000 χ^2/NDF : 274879927198.7/35

Left Out: 32.171+/-0.000

χ^2/NDF : 11755354728.4/19

In: 32.392+/-0.000 χ^2/NDF : 13818758901.7/35

Right Out: 21.867+/-0.000

χ^2/NDF : 230068750081.7/18

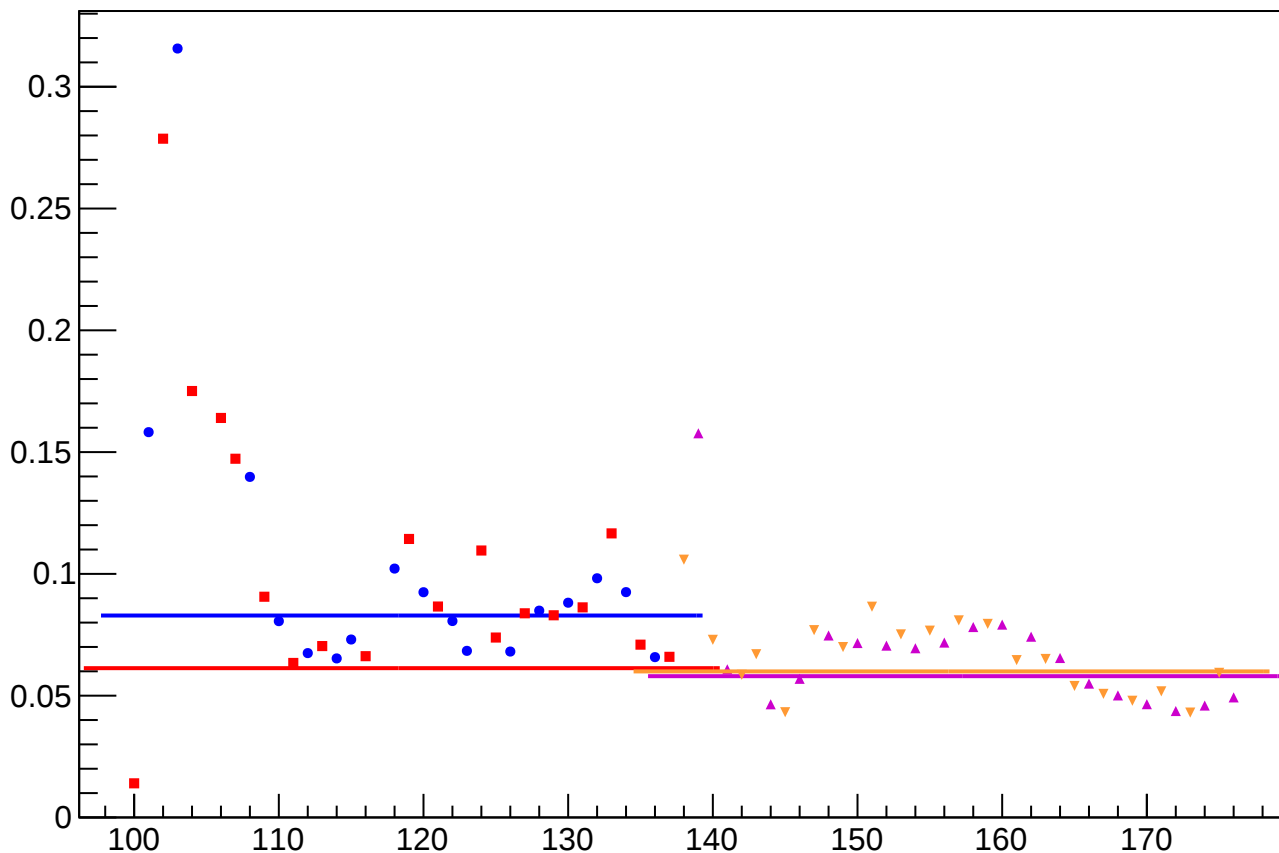
Out: 29.578+/-0.000 χ^2/NDF : 326397980857.2/38

Left In: 32.501+/-0.000

χ^2/NDF : 11669044750.8/18

All: 30.947+/-0.000 χ^2/NDF : 356502741208.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.060+/-0.000 χ^2/NDF :1284401.1/19

Right Out: 0.061+/-0.000 χ^2/NDF : 3603853.3/18

Left In: 0.058+/-0.000 χ^2/NDF :1511289.1/18

Left: 0.059+/-0.000 χ^2/NDF : 2808022.1/38

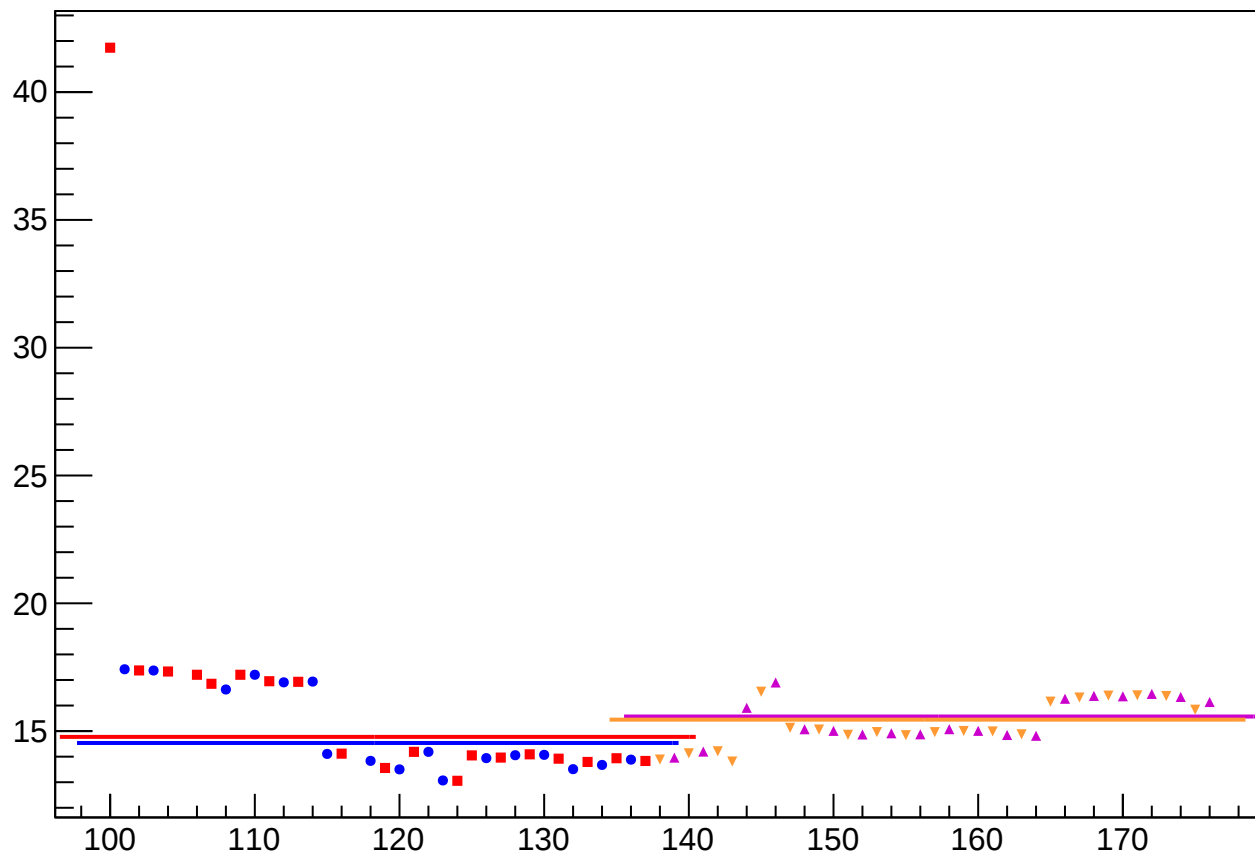
Right: 0.070+/-0.000 χ^2/NDF : 5167150.6/35

In: 0.062+/-0.000 χ^2/NDF :3402368.7/35

Out: 0.060+/-0.000 χ^2/NDF :4891085.1/38

All: 0.061+/-0.000 χ^2/NDF : 8312333.9/74

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.448+/-0.000 χ^2/NDF : 2219983341.7/19

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

Left In: 15.571+/-0.000 χ^2/NDF : 1868236165.1/18

Left: 15.509+/-0.000 χ^2/NDF : 4111083458.9/38

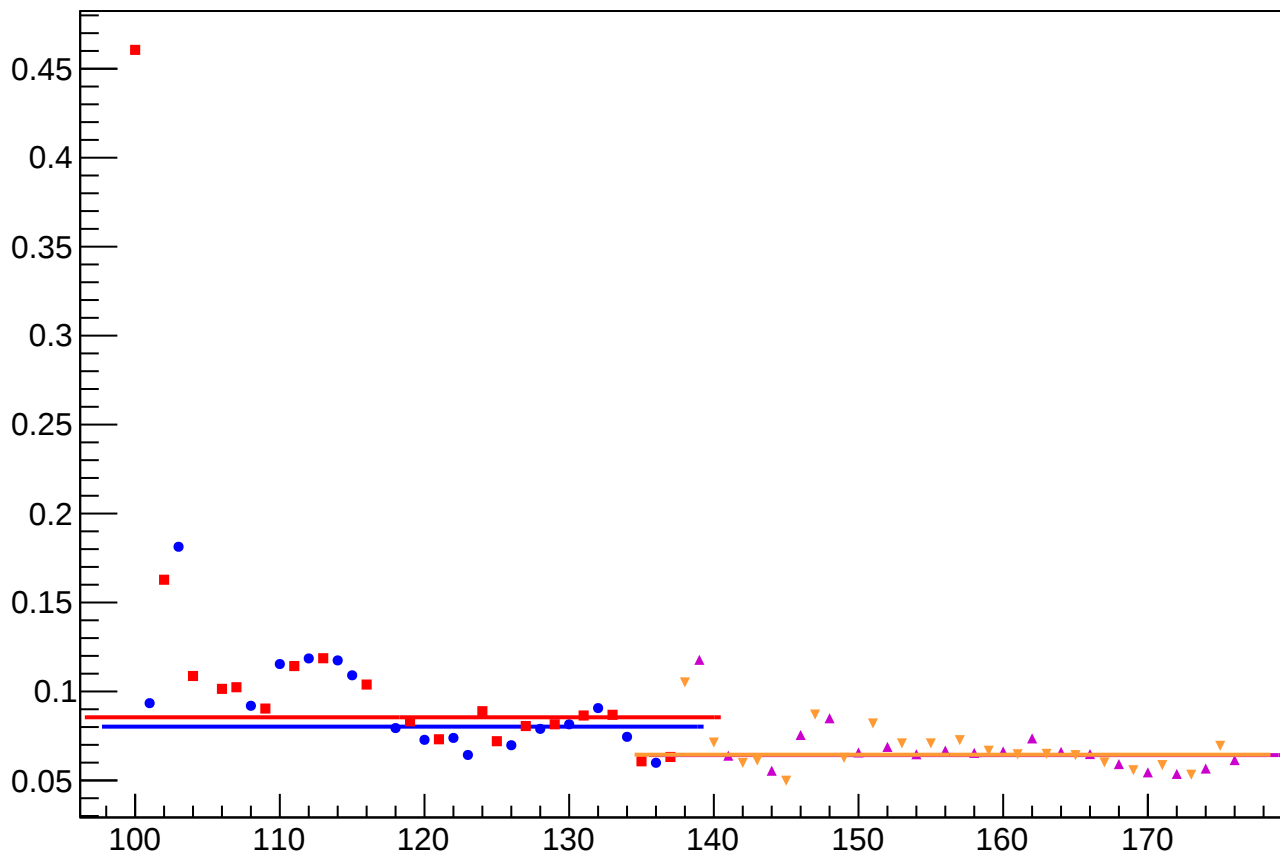
Right: 14.651+/-0.000 χ^2/NDF : 3380785876.4/35

In: 15.342+/-0.000 χ^2/NDF : 4054380284.6/35

Out: 15.307+/-0.000 χ^2/NDF : 4395951319.4/38

All: 15.325+/-0.000 χ^2/NDF : 8452630040.2/77

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.064+/-0.000 χ^2/NDF : 632790.4/19

Right Out: 0.085+/-0.000 χ^2/NDF : 738043.0/18

Left In: 0.064+/-0.000 χ^2/NDF : 605168.6/18

Left: 0.064+/-0.000 χ^2/NDF : 1238126.7/38

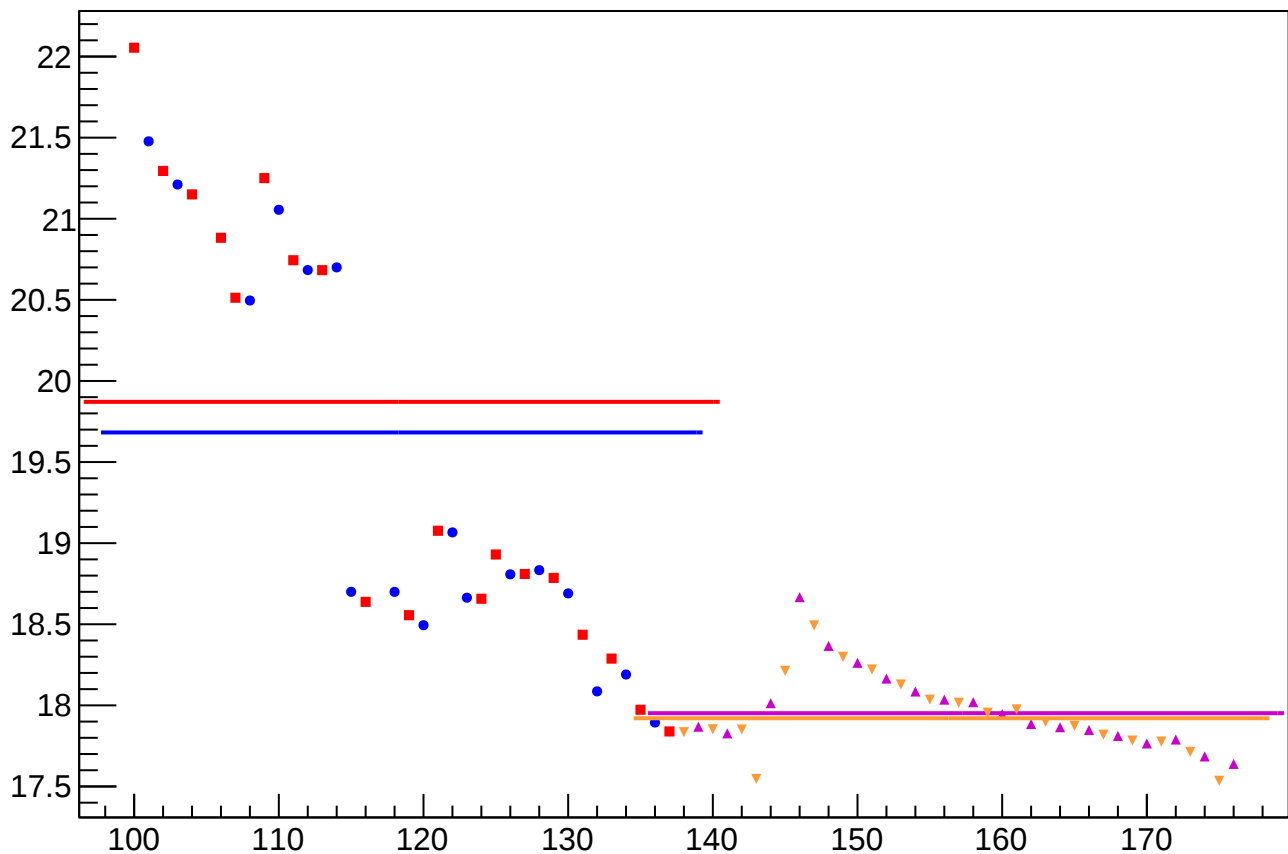
Right: 0.083+/-0.000 χ^2/NDF : 1539722.7/35

In: 0.068+/-0.000 χ^2/NDF : 1725652.8/35

Out: 0.069+/-0.000 χ^2/NDF : 1932926.1/38

All: 0.068+/-0.000 χ^2/NDF : 3663111.6/74

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.921+/-0.000 χ^2/NDF : 715783825.7/19

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

Left In: 17.952+/-0.000 χ^2/NDF : 721002838.8/18

Left: 17.936+/-0.000 χ^2/NDF : 1444087522.9/38

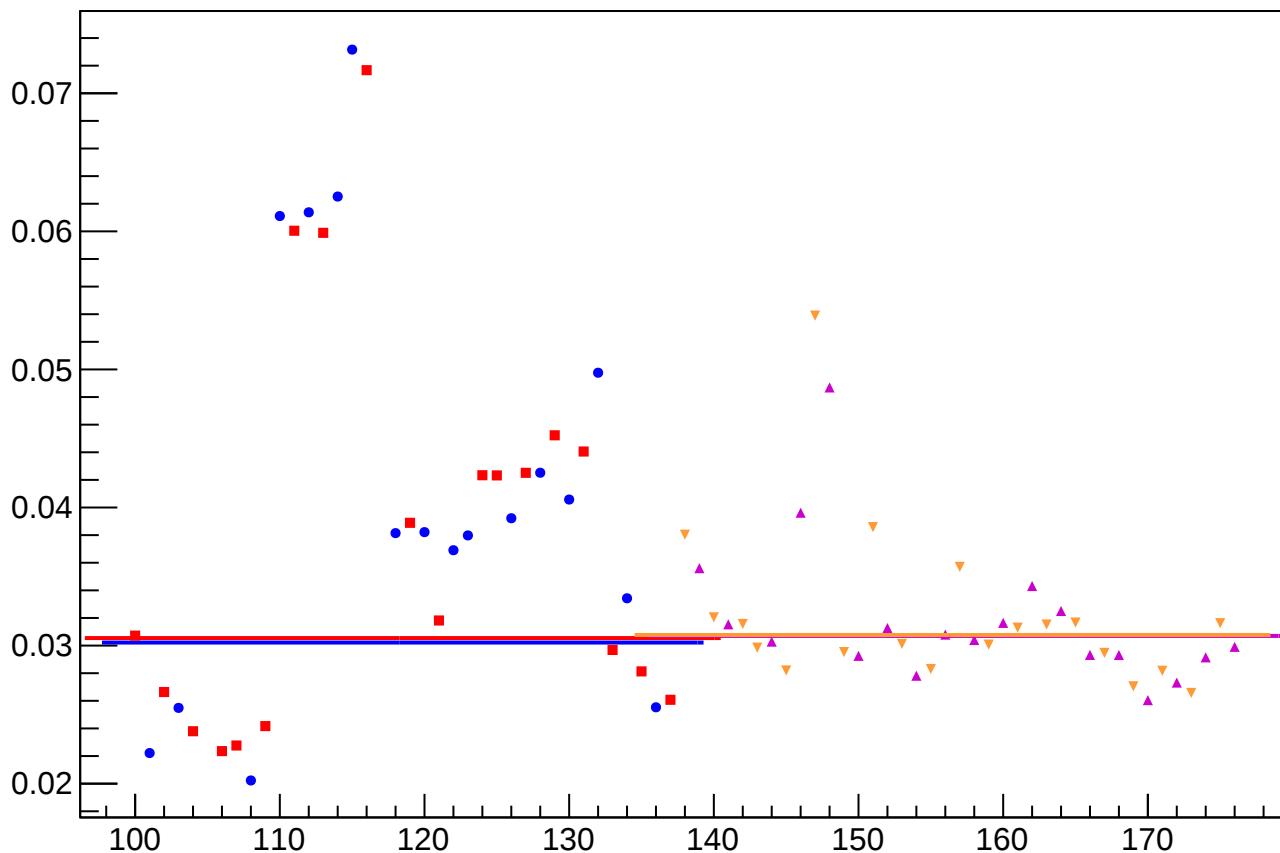
Right: 19.778+/-0.000 χ^2/NDF : 23711776447.8/35

In: 18.456+/-0.000 χ^2/NDF : 25976000672.2/35

Out: 18.498+/-0.000 χ^2/NDF : 28977197674.0/38

All: 18.477+/-0.000 χ^2/NDF : 54971817690.6

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 : 532580.1/19

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

Left In: 0.031+/-0.000 χ^2/NDF : 438241.0/18

Left: 0.031+/-0.000 χ^2/NDF : 970890.9/38

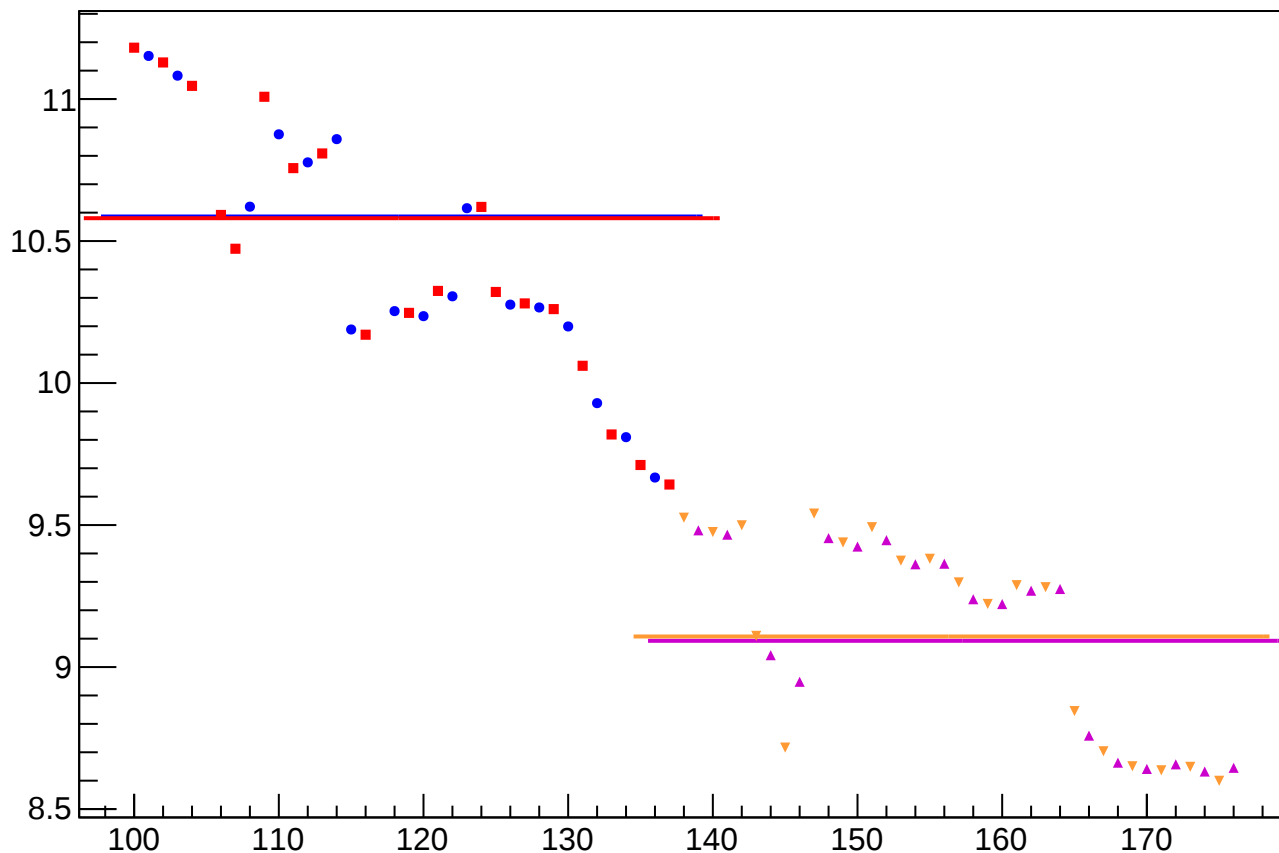
Right: 0.030+/-0.000 χ^2/NDF : 2514909.2/35

In: 0.031+/-0.000 χ^2/NDF : 1764749.1/35

Out: 0.031+/-0.000 χ^2/NDF : 1722754.7/38

All: 0.031+/-0.000 χ^2/NDF : 3487931.1/74

yield_sam6_mean vs Slug, Sign Corrected



Left: 9.100 $\pm$ 0.000 χ^2/NDF : 8179923459.5/38

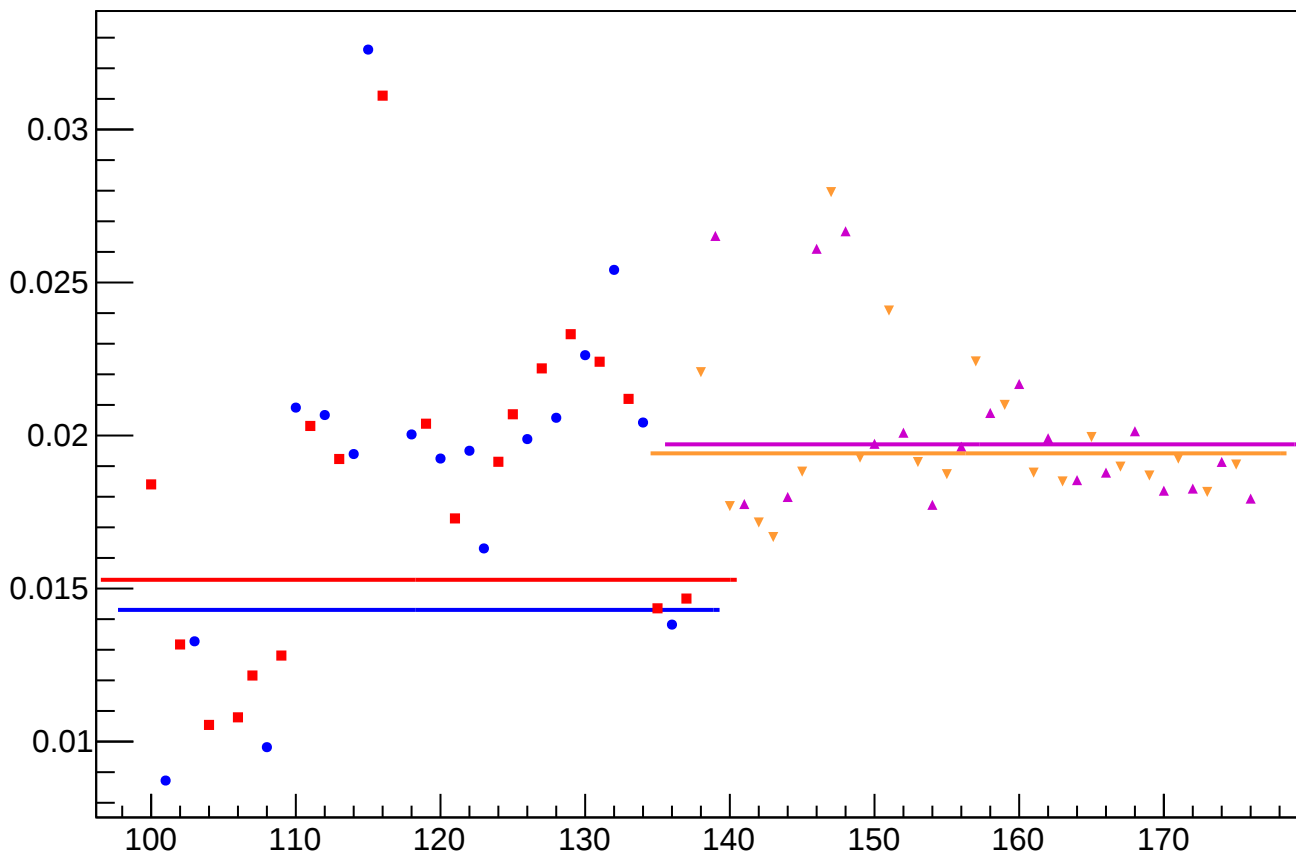
Right: 10.583 $\pm$ 0.000 χ^2/NDF : 13184410027.5/35

In: 9.735 $\pm$ 0.000 χ^2/NDF : 44309063738.3/35

Out: 9.712 $\pm$ 0.000 χ^2/NDF : 42474469540.4/38

All: 9.723 $\pm$ 0.000 χ^2/NDF : 86799658334.1/7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:327256.6/19

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:393037.7/18

Left: 0.020 $\pm$ 0.000 χ^2 /NDF: 723365.7/38

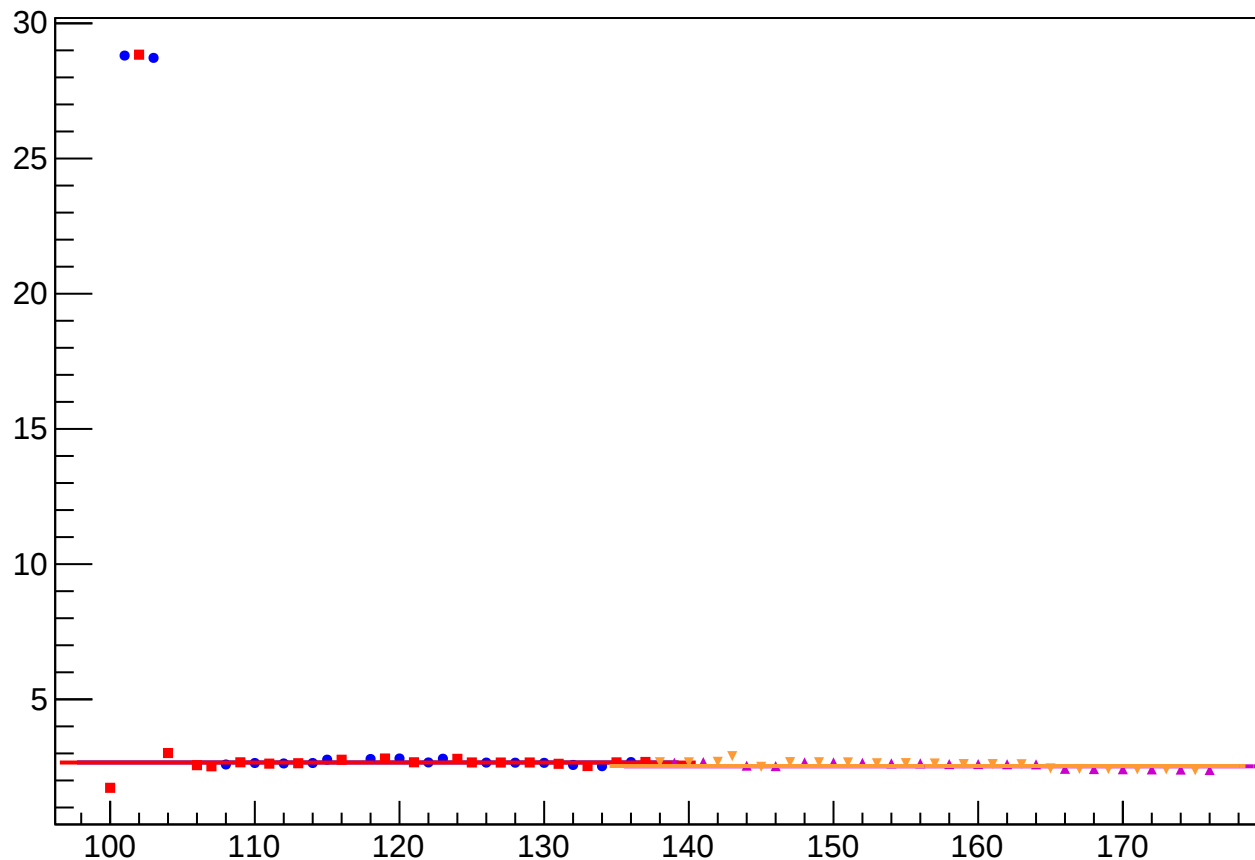
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 2421831.8/35

In: 0.017 $\pm$ 0.000 χ^2 /NDF:2669349.8/35

Out: 0.018 $\pm$ 0.000 χ^2 /NDF:1824815.7/38

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 4501089.1/74

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.535+/-0.000 χ^2/NDF : 46554234471.2/19

Right Out: 2.664+/-0.000 χ^2/NDF : 70398125461.7/18

Left In: 2.523+/-0.000 χ^2/NDF : 35018911247.1/18

Left: 2.529+/-0.000 χ^2/NDF : 81793084987.6/38

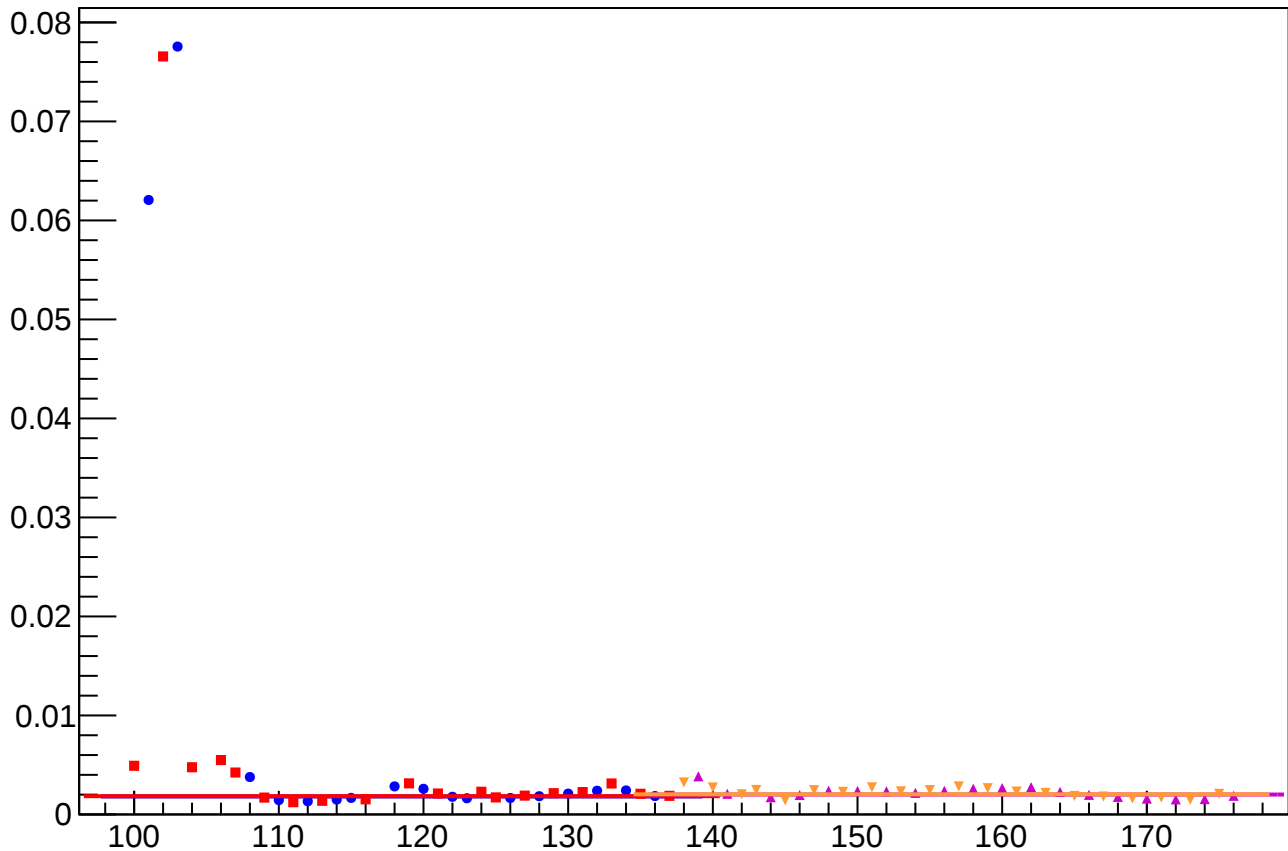
Right: 2.665+/-0.000 χ^2/NDF : 233569925265.6/35

In: 2.568+/-0.000 χ^2/NDF : 217182150818.0/35

Out: 2.577+/-0.000 χ^2/NDF : 132719809845.2/38

All: 2.572+/-0.000 χ^2/NDF : 350082205522.3

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 :1249666.9/19

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

Left In: 0.002+/-0.000 χ^2/NDF :1120807.8/18

Left: 0.002+/-0.000 χ^2/NDF : 2371926.2/38

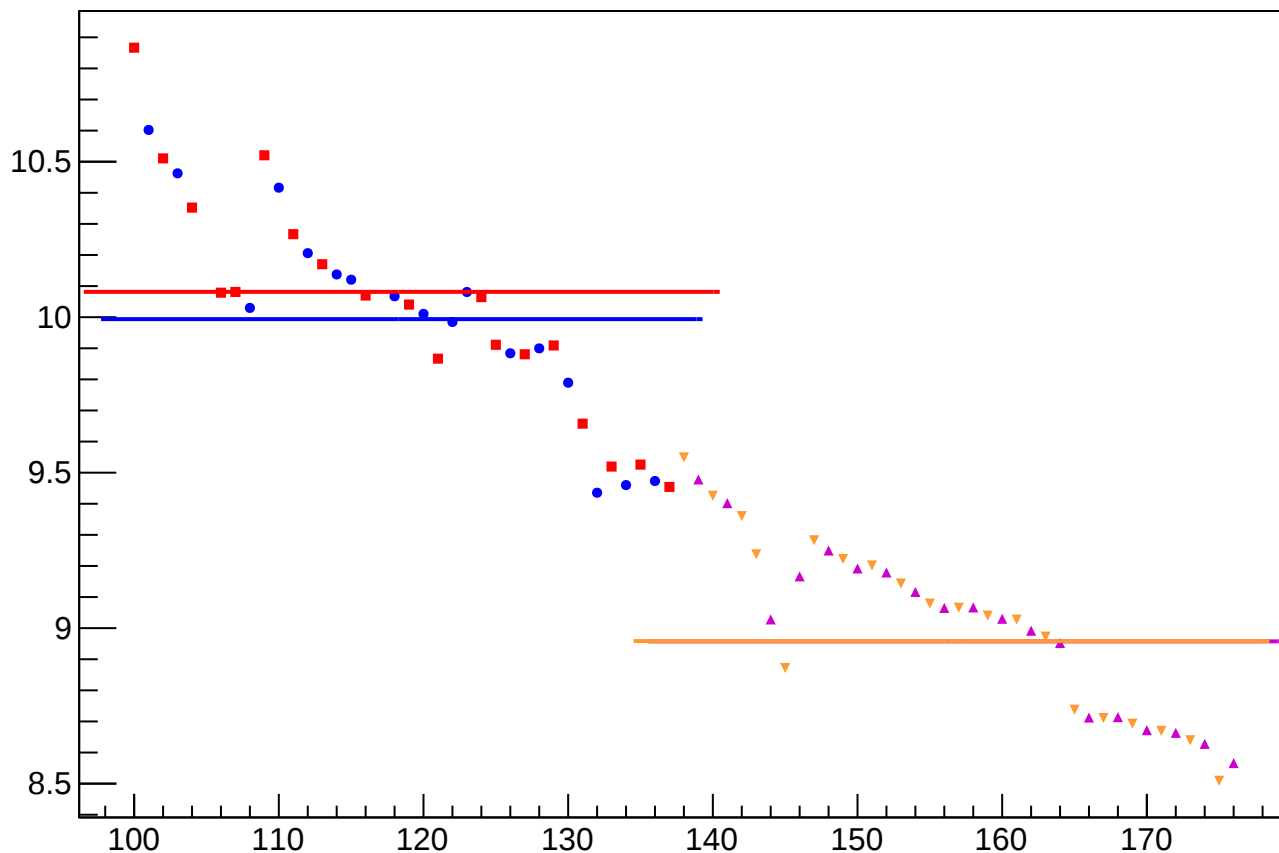
Right: 0.002+/-0.000 χ^2/NDF : 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF :3851482.6/35

Out: 0.002+/-0.000 χ^2/NDF :3647689.6/38

All: 0.002+/-0.000 χ^2/NDF : 7501273.5/74

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 8.958 $\pm$ 0.000 χ^2 /NDF: 21976668669.4/19

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

Left In: 8.958 $\pm$ 0.000 χ^2 /NDF: 20538175439.0/18

Left: 8.958 $\pm$ 0.000 χ^2 /NDF: 42514966264.8/38

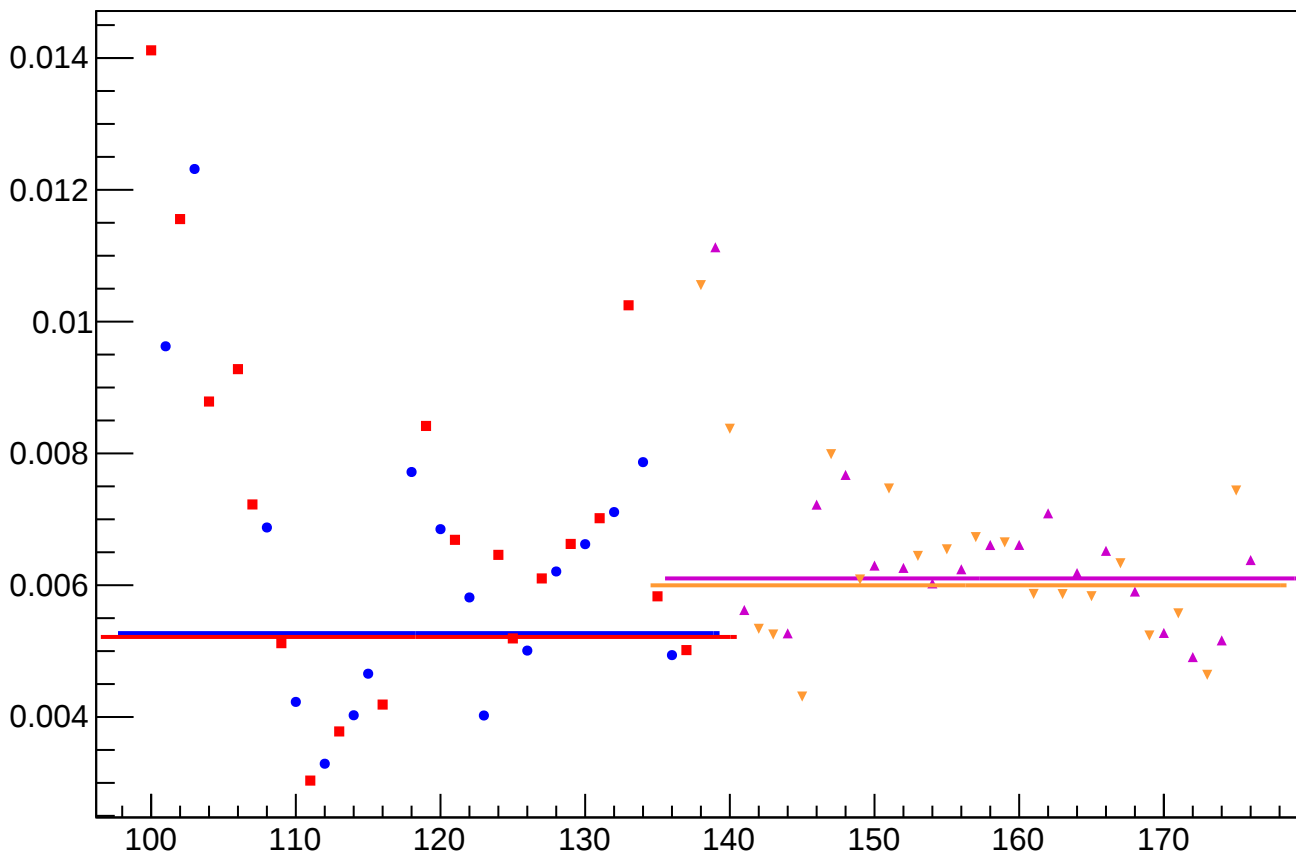
Right: 10.039 $\pm$ 0.000 χ^2 /NDF: 35036056098.5/35

In: 9.332 $\pm$ 0.000 χ^2 /NDF: 163271340330.5/35

Out: 9.369 $\pm$ 0.000 χ^2 /NDF: 191317189732.3/38

All: 9.351 $\pm$ 0.000 χ^2 /NDF: 354928691470.2

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 : 896631.2/19

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 606106.4/18

Left: 0.006+/-0.000 χ^2/NDF : 1506315.1/38

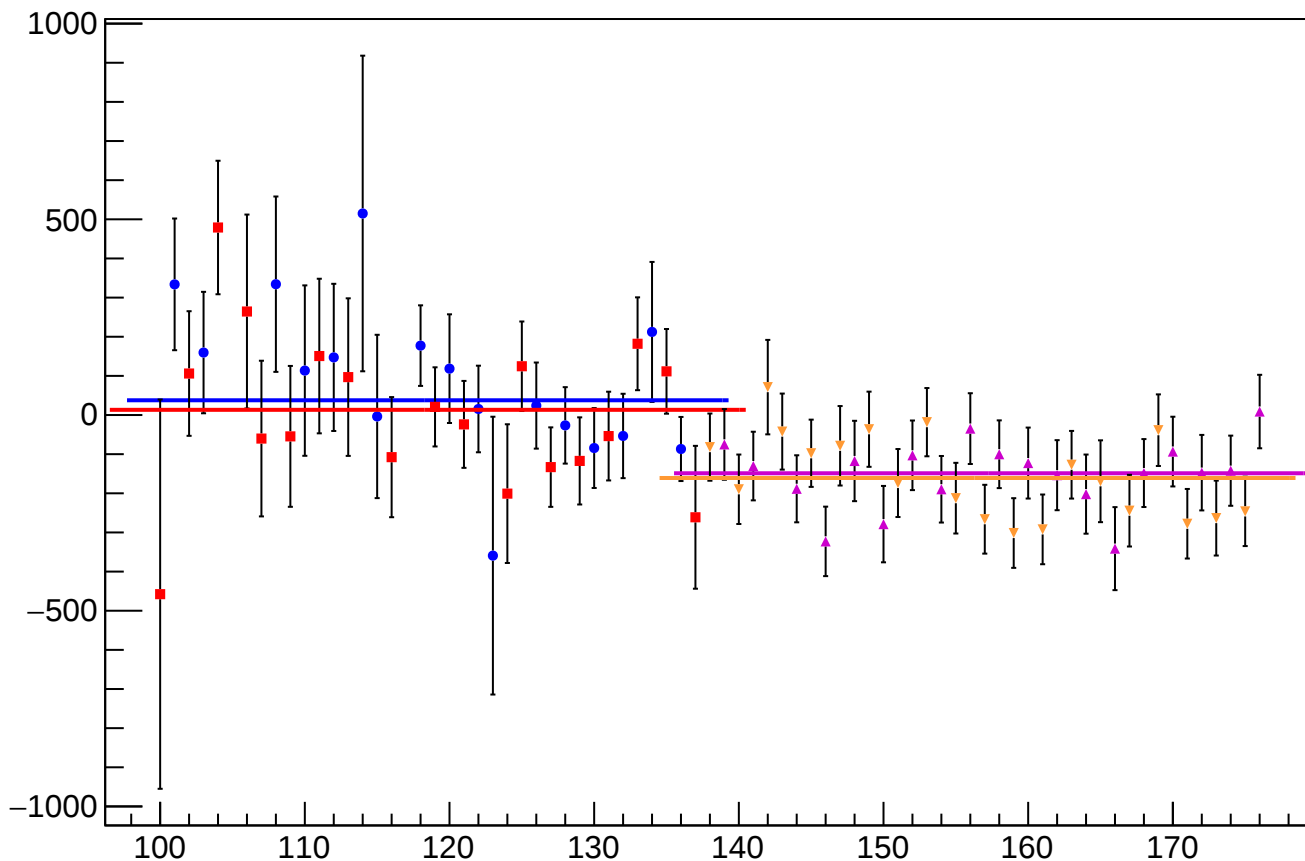
Right: 0.005+/-0.000 χ^2/NDF : 2904141.2/35

In: 0.006+/-0.000 χ^2/NDF : 2010688.7/35

Out: 0.006+/-0.000 χ^2/NDF : 2704287.0/38

All: 0.006+/-0.000 χ^2/NDF : 4719196.5/74

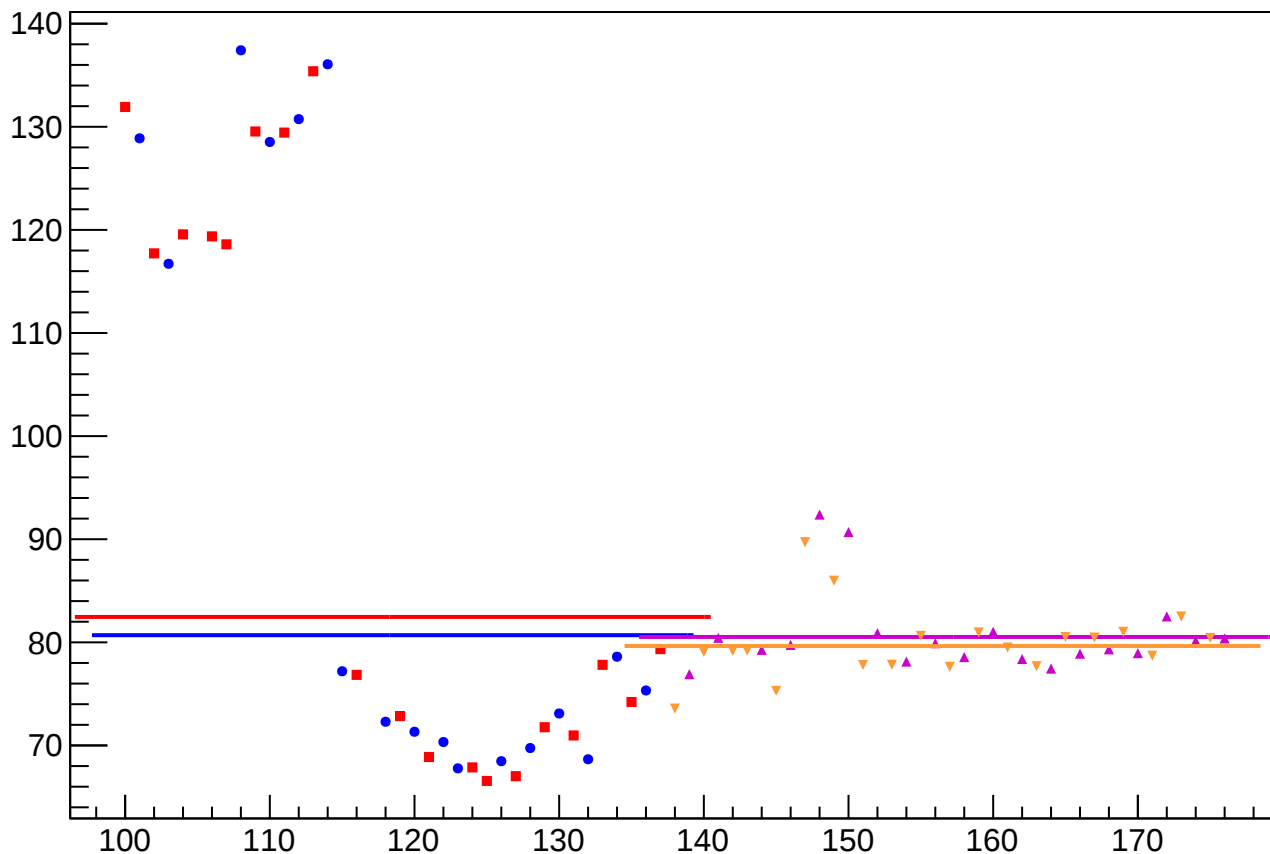
reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$
 Left Out: -160.880 ± 20.523 $\chi^2/\text{NDF}: 24.7/19$
 Right Out: 13.278 ± 32.066 $\chi^2/\text{NDF}: 22.7/18$
 Left In: -148.784 ± 20.968 $\chi^2/\text{NDF}: 15.9/18$

Left: -154.962 ± 14.667 $\chi^2/\text{NDF}: 40.8/38$
 Right: 25.415 ± 22.740 $\chi^2/\text{NDF}: 39.7/35$
 In: -93.385 ± 17.580 $\chi^2/\text{NDF}: 56.1/35$
 Out: -110.272 ± 17.286 $\chi^2/\text{NDF}: 68.4/38$
 All: -101.971 ± 12.325 $\chi^2/\text{NDF}: 125.0/74$

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.642 $\pm$ 0.015 χ^2 /NDF: 51126.2/19

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

Left In: 80.522 $\pm$ 0.015 χ^2 /NDF: 60370.9/18

Left: 80.073 $\pm$ 0.010 χ^2 /NDF: 113297.6/38

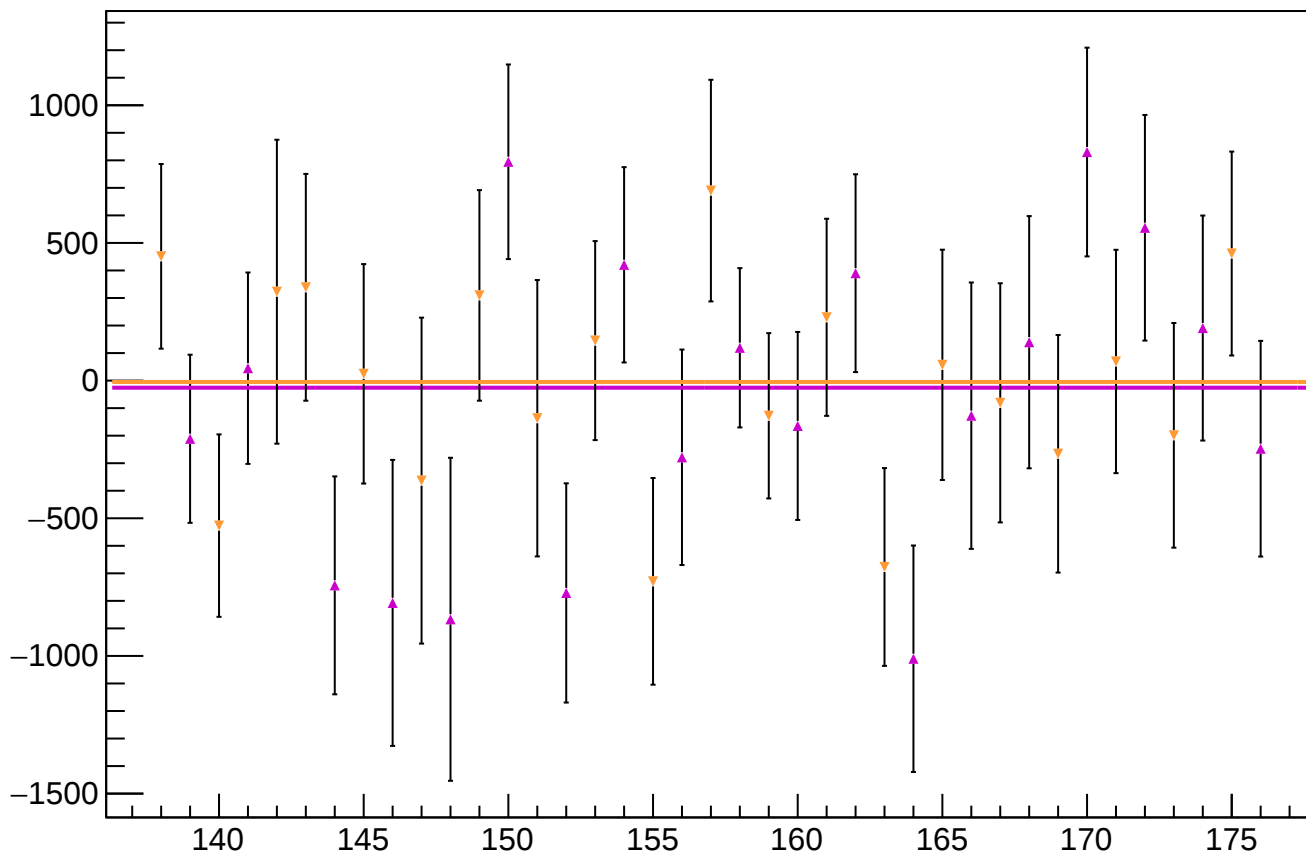
Right: 81.584 $\pm$ 0.016 χ^2 /NDF: 1731931.3/35

In: 80.573 $\pm$ 0.012 χ^2 /NDF: 874437.3/35

Out: 80.462 $\pm$ 0.012 χ^2 /NDF: 976991.3/38

All: 80.517 $\pm$ 0.009 χ^2 /NDF: 1851469.5/74

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -4.938+/-87.540 χ^2/NDF :19.7/19

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

Left In: -25.777+/-87.892 χ^2/NDF :34.3/18

Left: -15.316+/-62.024 χ^2/NDF : 54.1/38

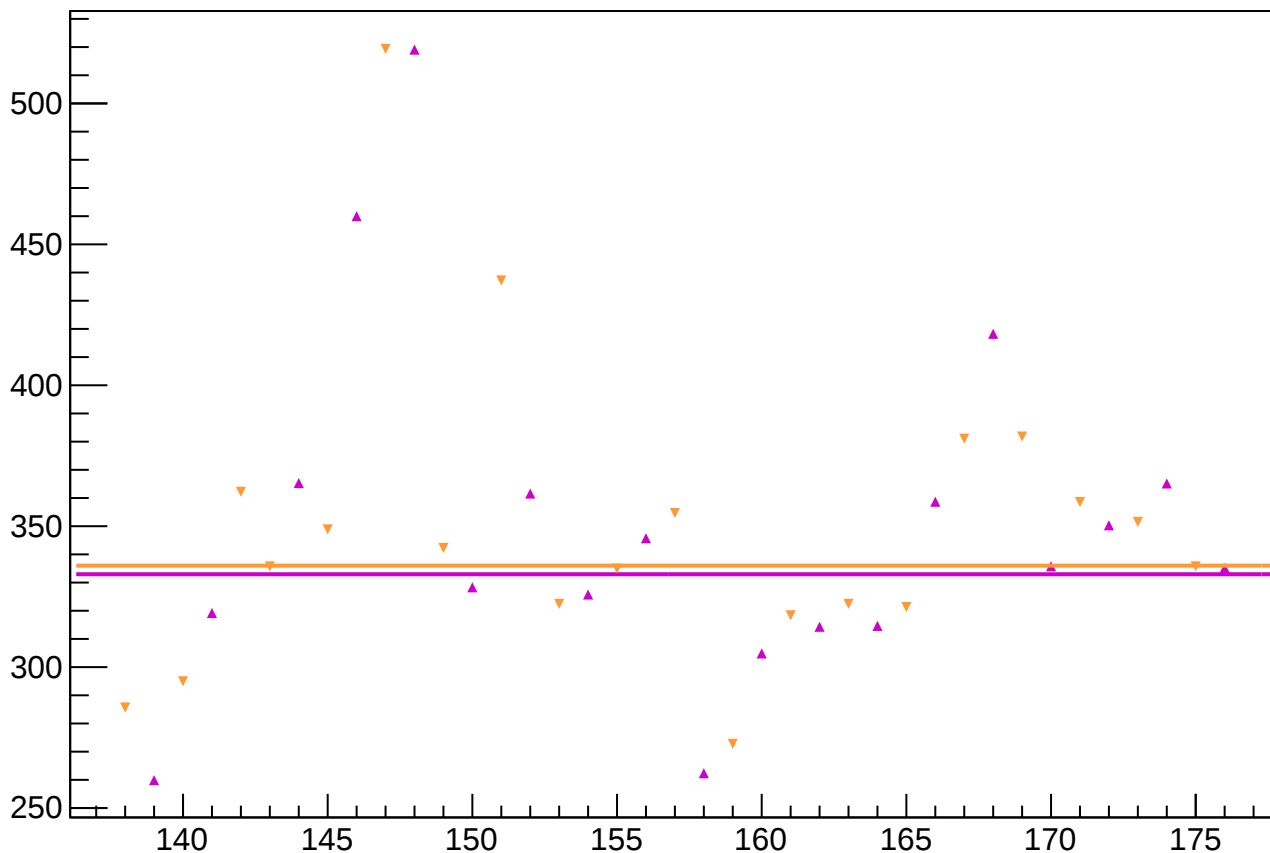
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.777+/-87.892 χ^2/NDF :34.3/18

Out: -4.938+/-87.540 χ^2/NDF :19.7/19

All: -15.316+/-62.024 χ^2/NDF : 54.1/38

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 336.009+/-0.062 χ^2/NDF : 515338.4/19

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

Left In: 332.962+/-0.062 χ^2/NDF : 698964.8/18

Left: 334.491+/-0.044 χ^2/NDF : 1215509.8/38

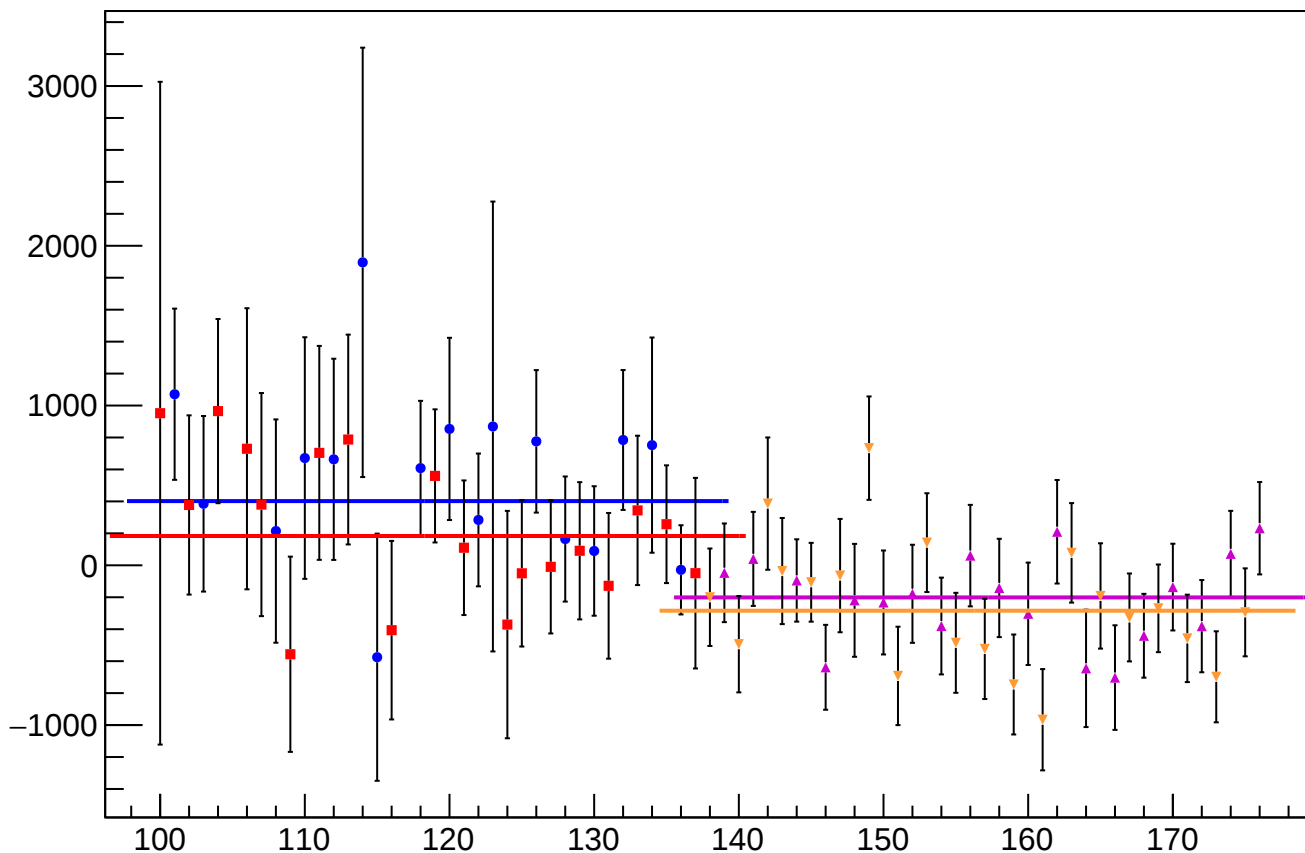
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 332.962+/-0.062 χ^2/NDF : 698964.8/18

Out: 336.009+/-0.062 χ^2/NDF : 515338.4/19

All: 334.491+/-0.044 χ^2/NDF : 1215509.8/38

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -284.232 $\pm$ 67.886 χ^2 /NDF:30.0/19

Right Out: 183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

Left In: -201.035 $\pm$ 68.587 χ^2 /NDF:15.0/18

Left: -243.061 $\pm$ 48.249 χ^2 /NDF: 45.7/38

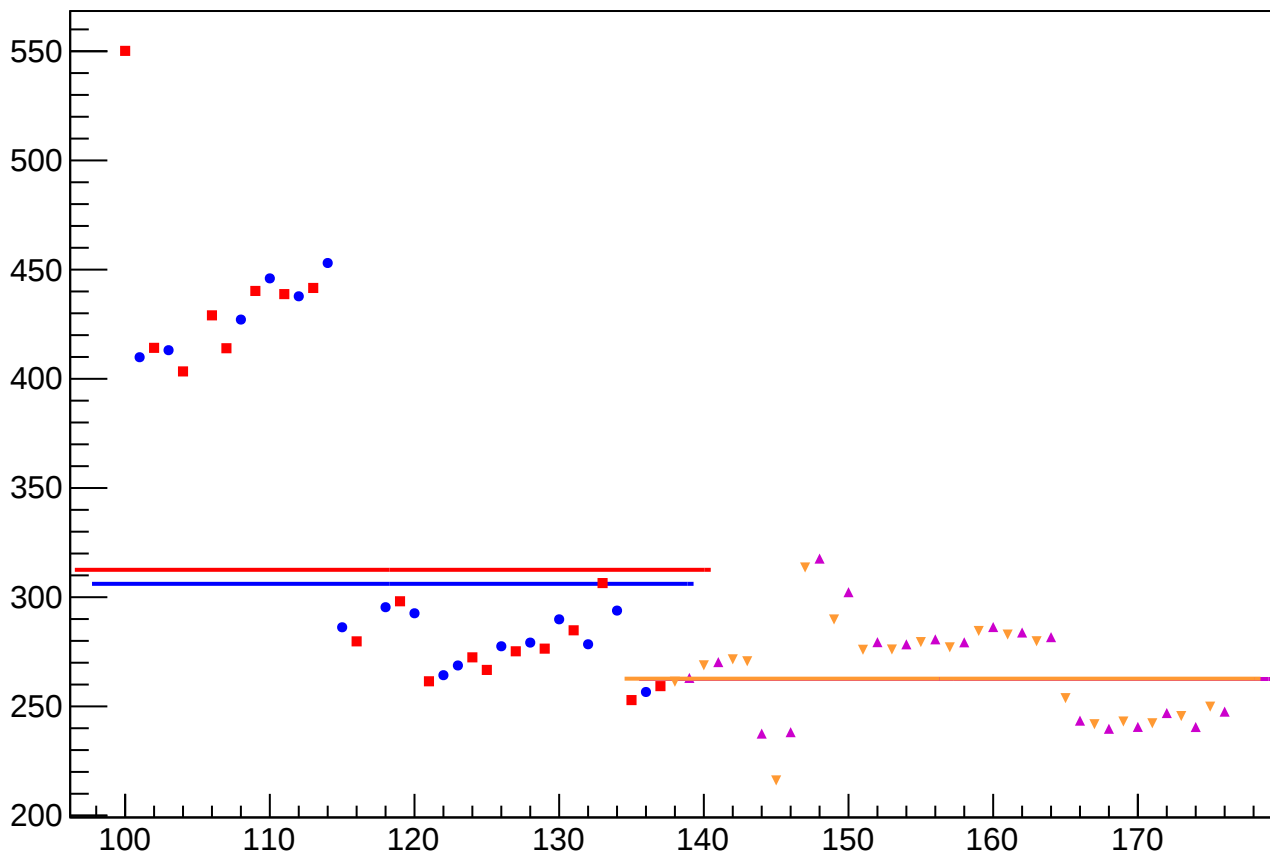
Right: 292.034 $\pm$ 85.342 χ^2 /NDF: 21.9/35

In: -54.514 $\pm$ 59.673 χ^2 /NDF:44.6/35

Out: -171.320 $\pm$ 59.127 χ^2 /NDF:50.8/38

All: -113.454 $\pm$ 42.001 χ^2 /NDF: 97.3/74

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 262.695+/-0.048 χ^2/NDF : 216656.3/19

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

Left In: 262.548+/-0.048 χ^2/NDF : 224175.3/18

Left: 262.622+/-0.034 χ^2/NDF : 440836.3/38

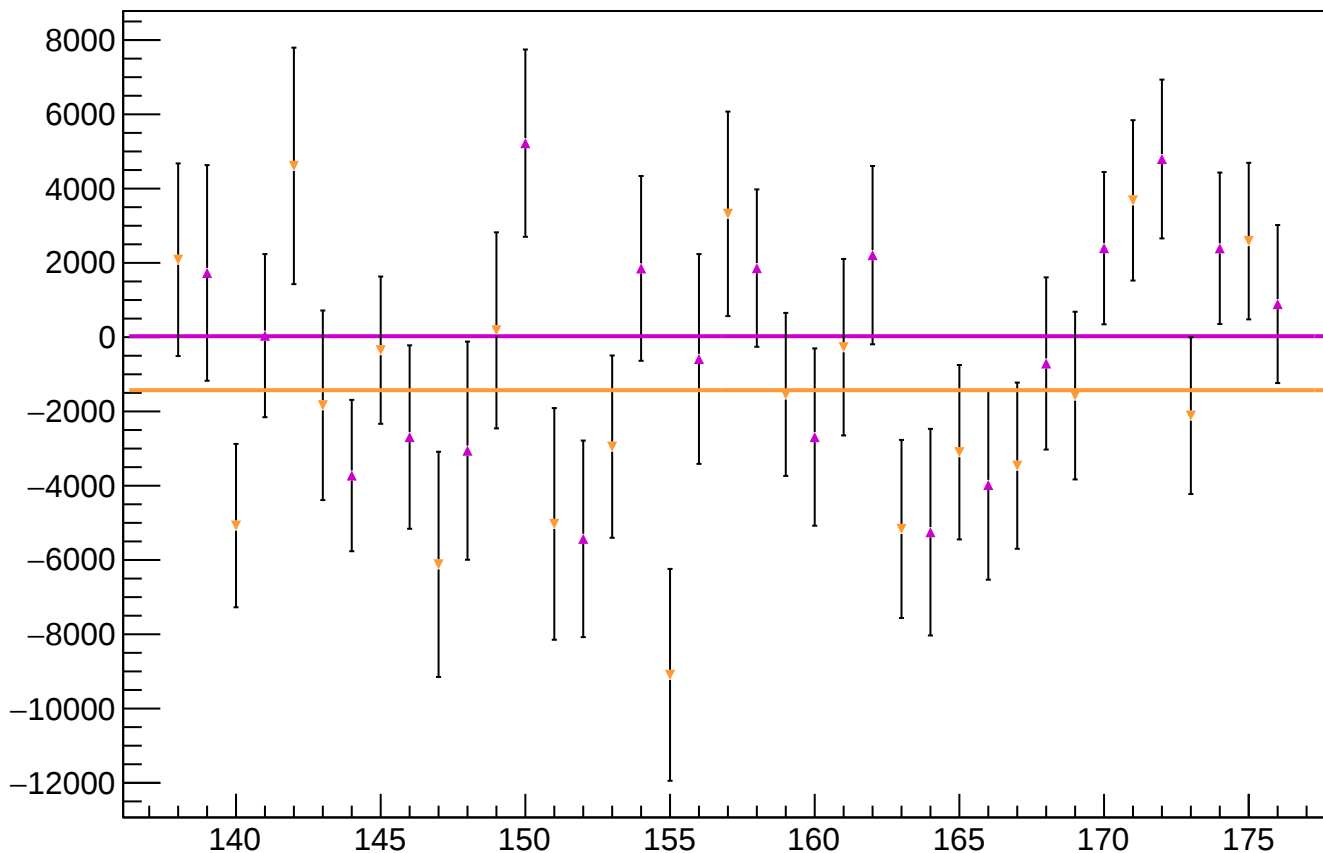
Right: 309.352+/-0.060 χ^2/NDF : 1137034.2/35

In: 273.138+/-0.042 χ^2/NDF : 928806.4/35

Out: 274.729+/-0.042 χ^2/NDF : 1102756.9/38

All: 273.940+/-0.030 χ^2/NDF : 2032280.4/74

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1427.728+/-539.337 χ^2/NDF :36.5/19

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

Left In: 25.485+/-542.937 χ^2/NDF :32.0/18

Left: -705.954+/-382.635 χ^2/NDF : 72.1/38

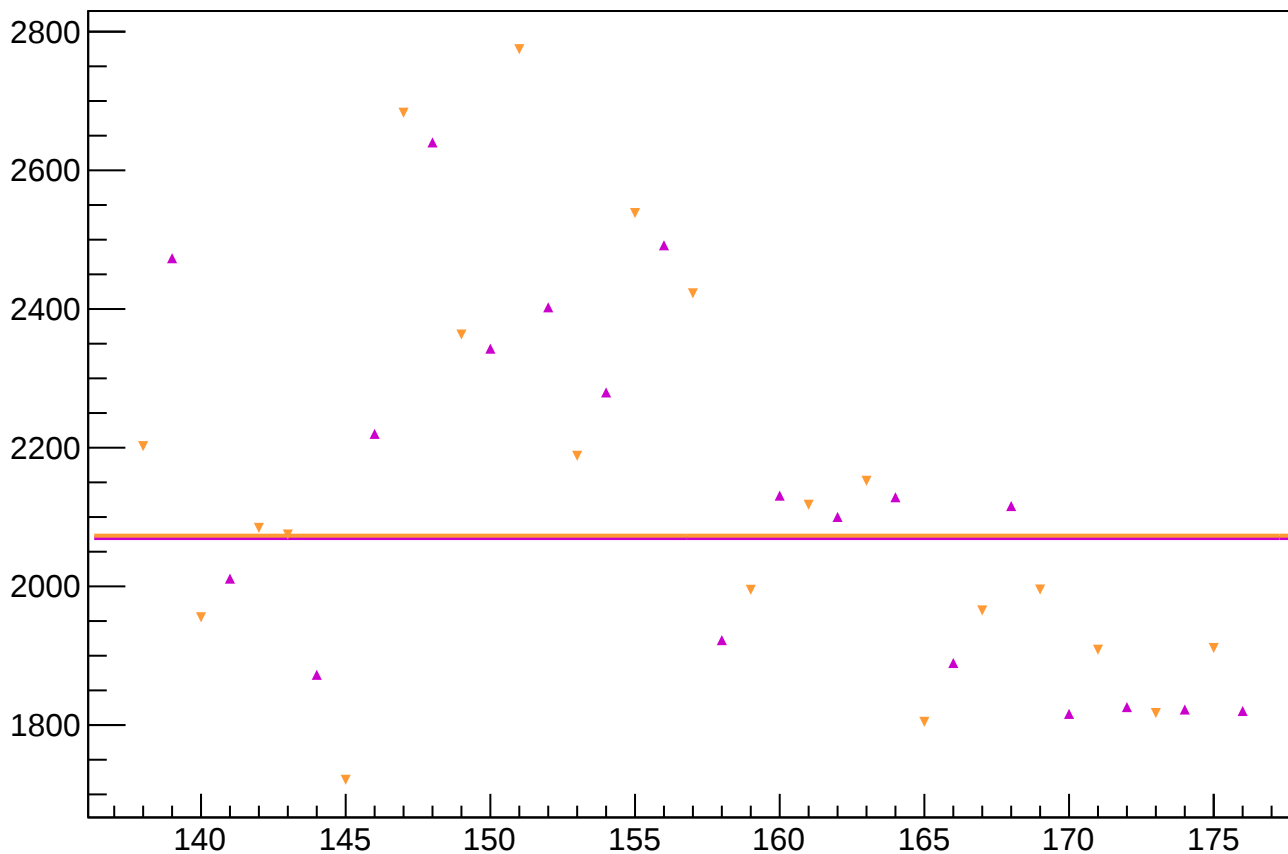
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 25.485+/-542.937 χ^2/NDF :32.0/18

Out: -1427.728+/-539.337 χ^2/NDF :36.5/19

All: -705.954+/-382.635 χ^2/NDF : 72.1/38

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2073.112+/-0.381 χ^2/NDF :461231.3/19

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

Left In: 2069.677+/-0.384 χ^2/NDF :392151.0/18

Left: 2071.406+/-0.271 χ^2/NDF : 853422.6/38

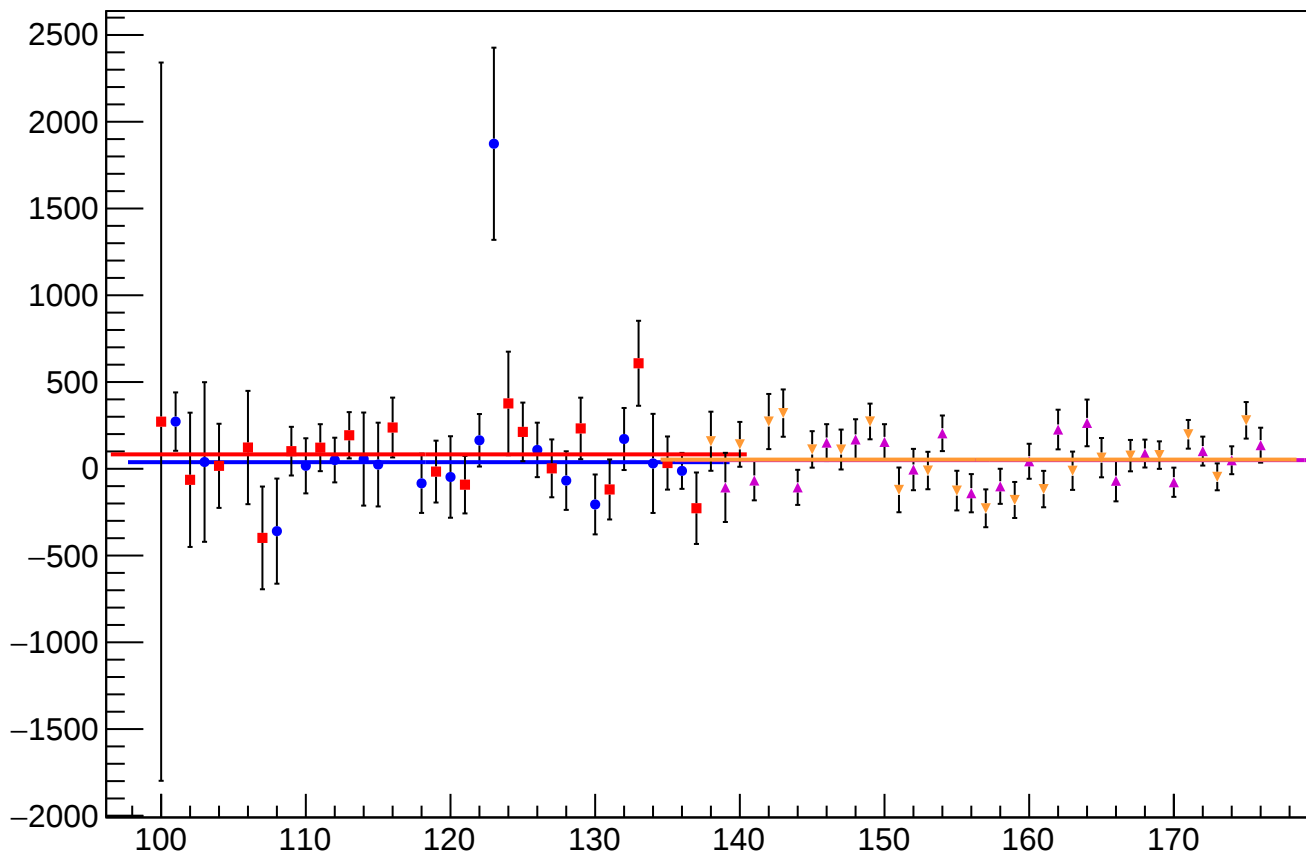
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2069.677+/-0.384 χ^2/NDF :392151.0/18

Out: 2073.112+/-0.381 χ^2/NDF :461231.3/19

All: 2071.406+/-0.271 χ^2/NDF : 853422.6/38

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 $\pm$ 43.548 χ^2 /NDF: 19.4/16

Left Out: 52.939 $\pm$ 23.681 χ^2 /NDF:40.5/19

Right Out: 83.101 $\pm$ 43.098 χ^2 /NDF: 16.7/18

Left In: 49.849 $\pm$ 23.586 χ^2 /NDF:24.4/18

Left: 51.388 $\pm$ 16.712 χ^2 /NDF: 64.9/38

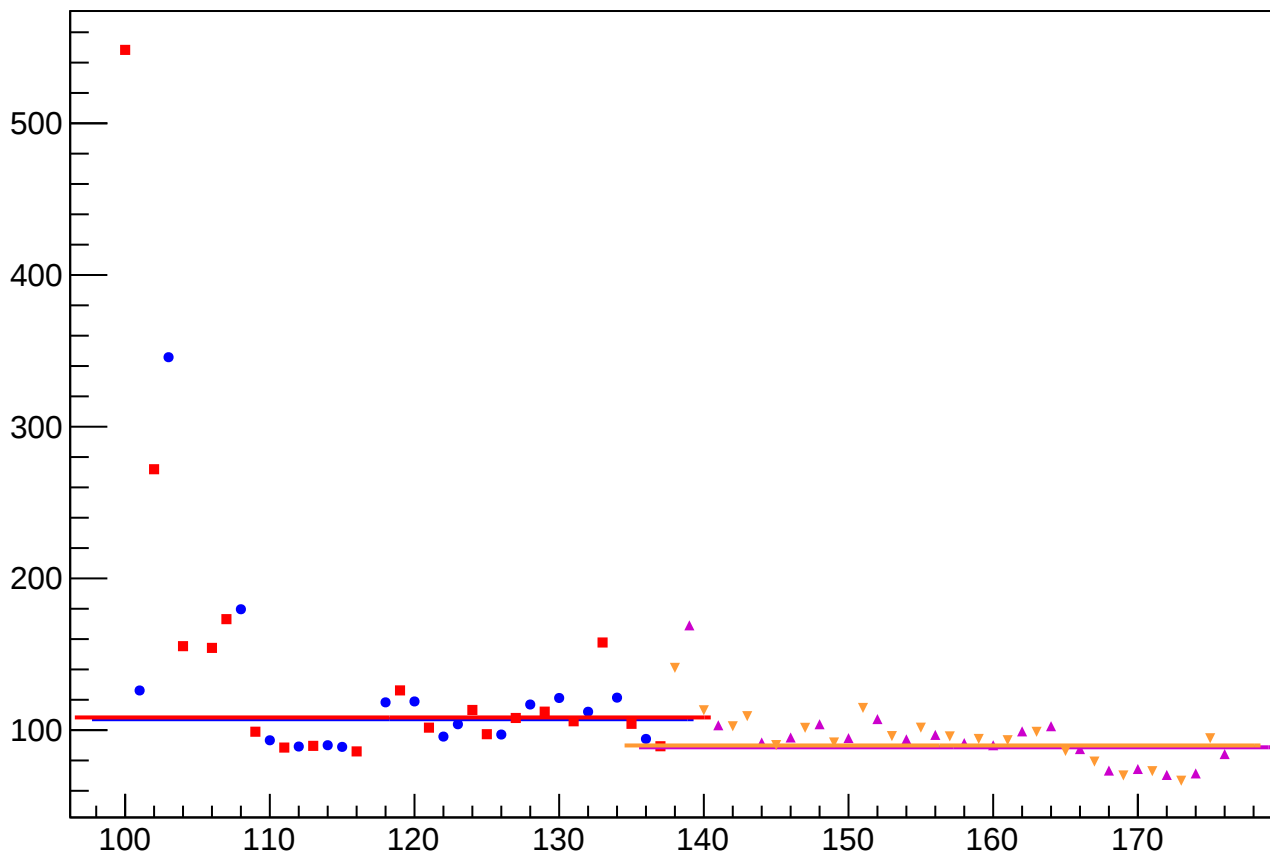
Right: 60.847 $\pm$ 30.633 χ^2 /NDF: 36.7/35

In: 47.190 $\pm$ 20.740 χ^2 /NDF:43.8/35

Out: 59.934 $\pm$ 20.755 χ^2 /NDF:57.6/38

All: 53.558 $\pm$ 14.670 χ^2 /NDF: 101.6/74

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 89.887 $\pm$ 0.017 χ^2 /NDF: 866743.5/19

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

Left In: 88.671 $\pm$ 0.017 χ^2 /NDF: 835284.5/18

Left: 89.277 $\pm$ 0.012 χ^2 /NDF: 1704672.1/38

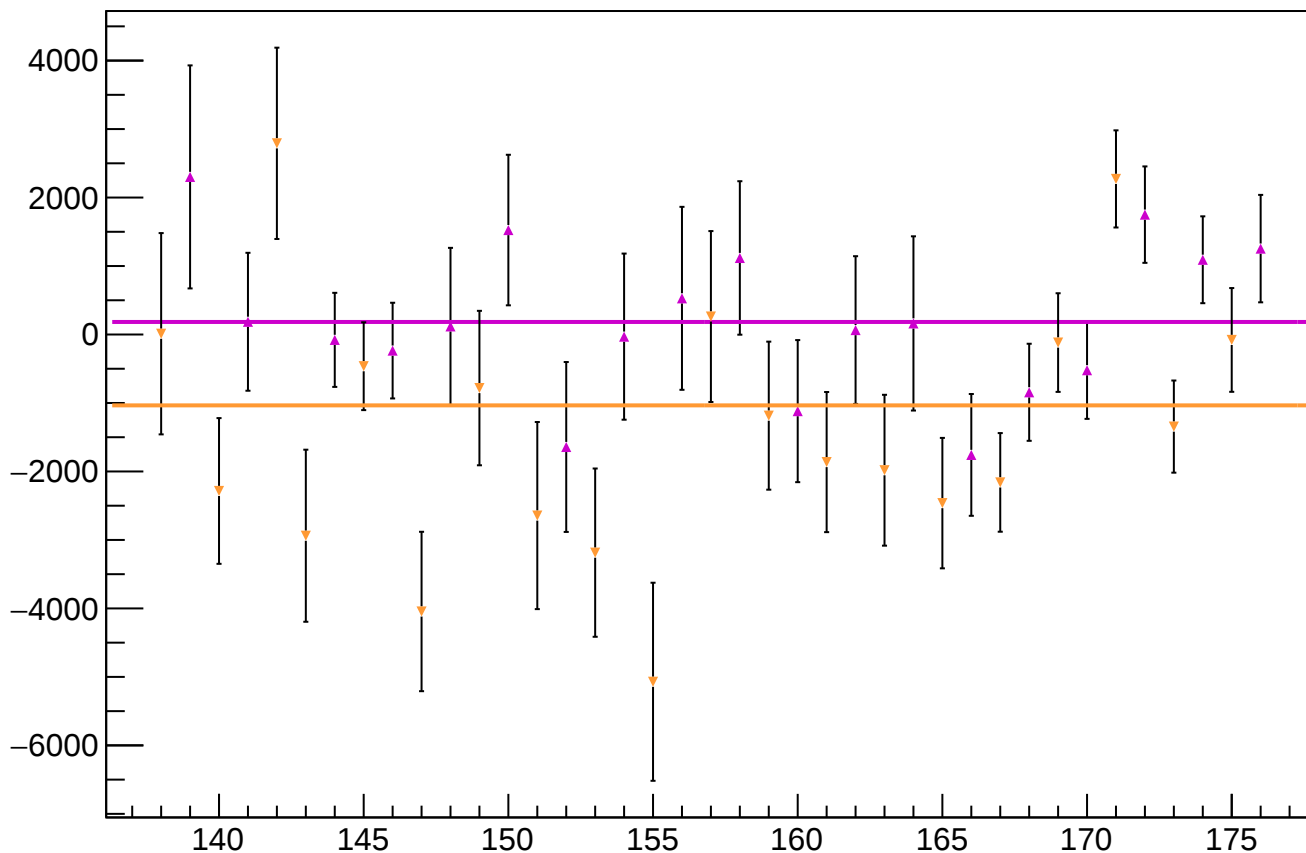
Right: 107.780 $\pm$ 0.022 χ^2 /NDF: 1761132.0/35

In: 92.871 $\pm$ 0.015 χ^2 /NDF: 1958007.7/35

Out: 94.170 $\pm$ 0.015 χ^2 /NDF: 2066237.9/38

All: 93.520 $\pm$ 0.010 χ^2 /NDF: 4028166.6/74

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1034.863+/-211.762 χ^2/NDF : 63.8/19

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

Left In: 183.184+/-205.953 χ^2/NDF : 25.0/18

Left: -408.906+/-147.642 χ^2/NDF : 105.8/38

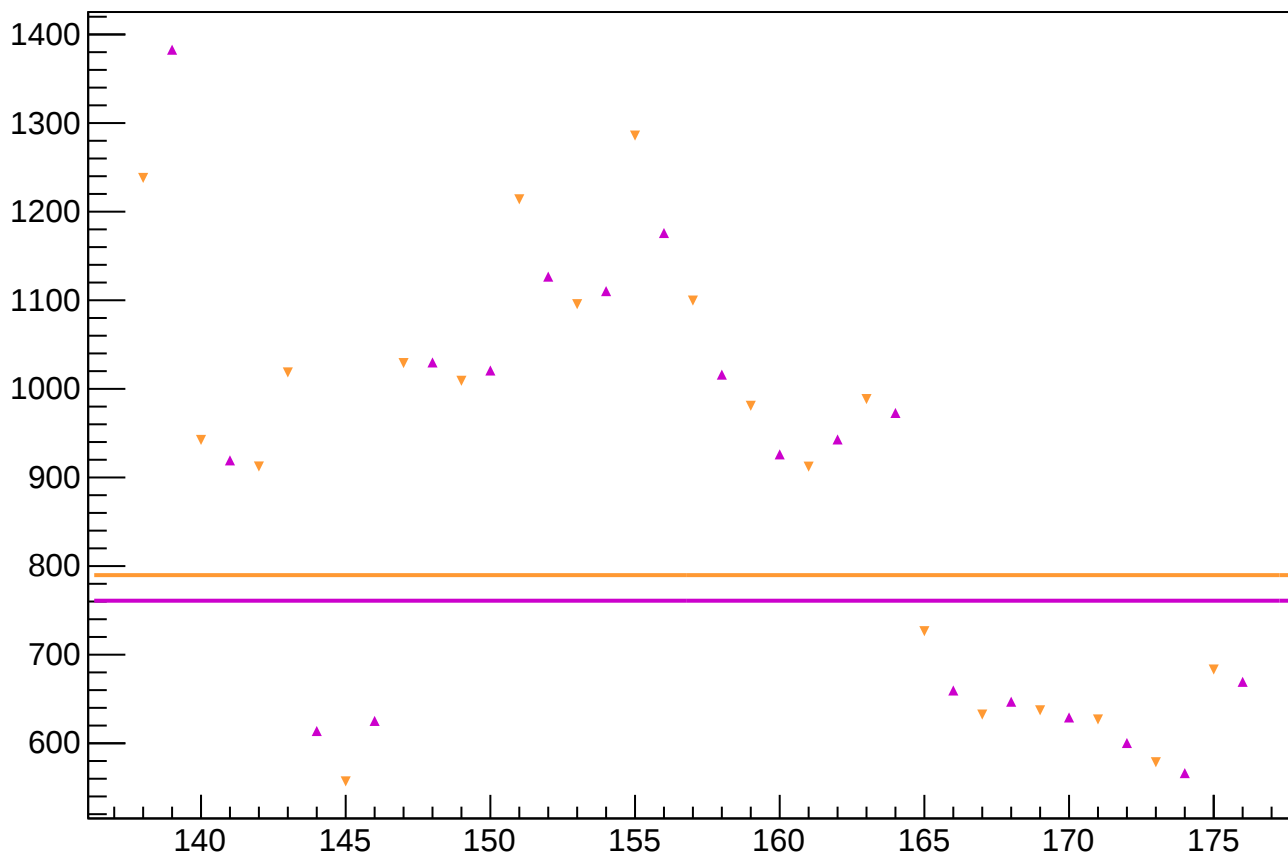
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 183.184+/-205.953 χ^2/NDF : 25.0/18

Out: -1034.863+/-211.762 χ^2/NDF : 63.8/19

All: -408.906+/-147.642 χ^2/NDF : 105.8/38

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 789.781+/-0.150 χ^2/NDF :2100423.3/19

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

Left In: 760.917+/-0.146 χ^2/NDF :1995515.8/18

Left: 774.948+/-0.104 χ^2/NDF : 4115034.2/38

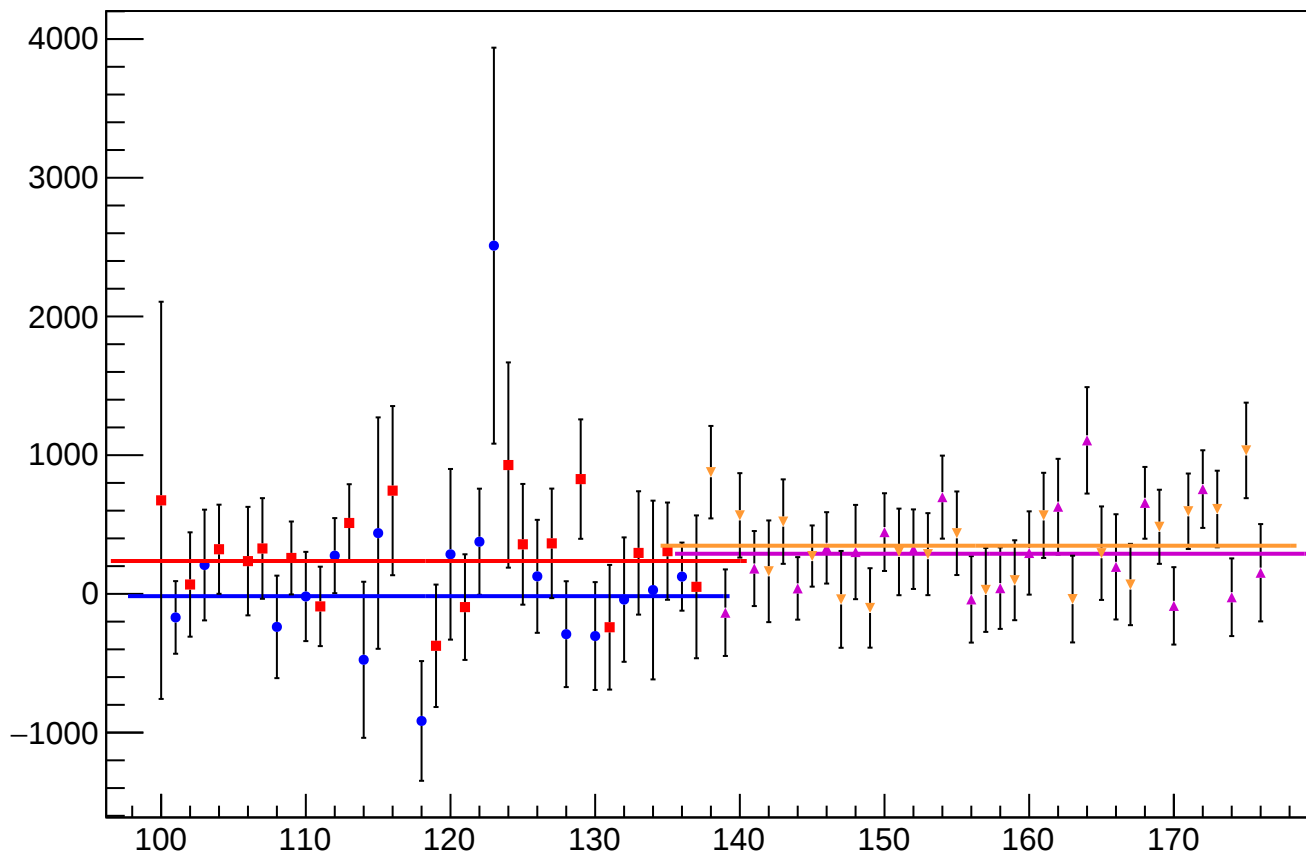
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 760.917+/-0.146 χ^2/NDF :1995515.8/18

Out: 789.781+/-0.150 χ^2/NDF :2100423.3/19

All: 774.948+/-0.104 χ^2/NDF : 4115034.2/38

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 347.275 ± 66.663 $\chi^2/\text{NDF}: 18.4/19$

Right Out: 236.984 ± 88.937 $\chi^2/\text{NDF}: 10.3/18$

Left In: 289.284 ± 67.426 $\chi^2/\text{NDF}: 20.8/18$

Left: 318.609 ± 47.405 $\chi^2/\text{NDF}: 39.6/38$

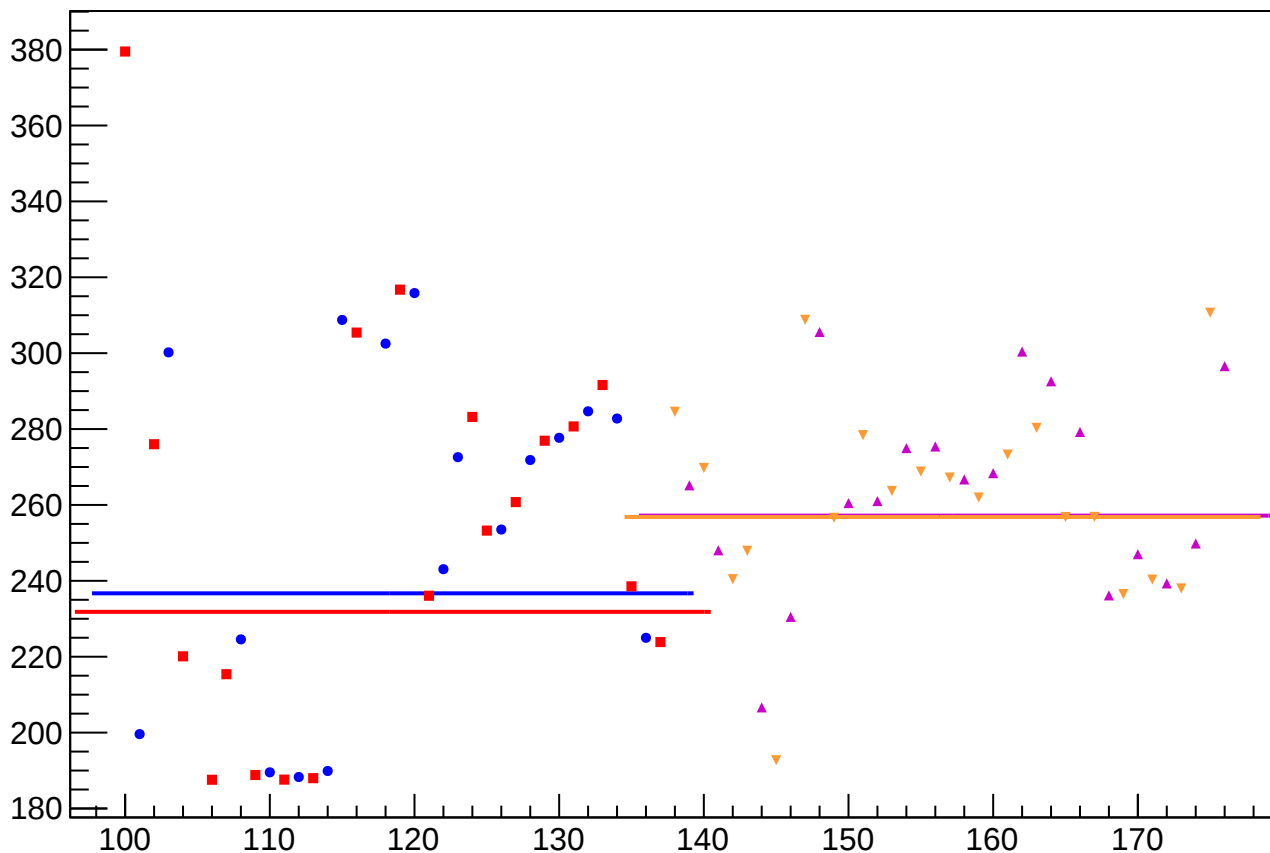
Right: 116.305 ± 64.370 $\chi^2/\text{NDF}: 27.6/35$

In: 184.366 ± 54.646 $\chi^2/\text{NDF}: 41.3/35$

Out: 307.601 ± 53.342 $\chi^2/\text{NDF}: 29.7/38$

All: 247.471 ± 38.171 $\chi^2/\text{NDF}: 73.6/74$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 256.828+/-0.047 χ^2/NDF : 347274.2/19

Right Out: 231.828+/-0.063 χ^2/NDF : 443276.3/18

Left In: 257.183+/-0.048 χ^2/NDF : 291342.6/18

Left: 257.003+/-0.034 χ^2/NDF : 638644.8/38

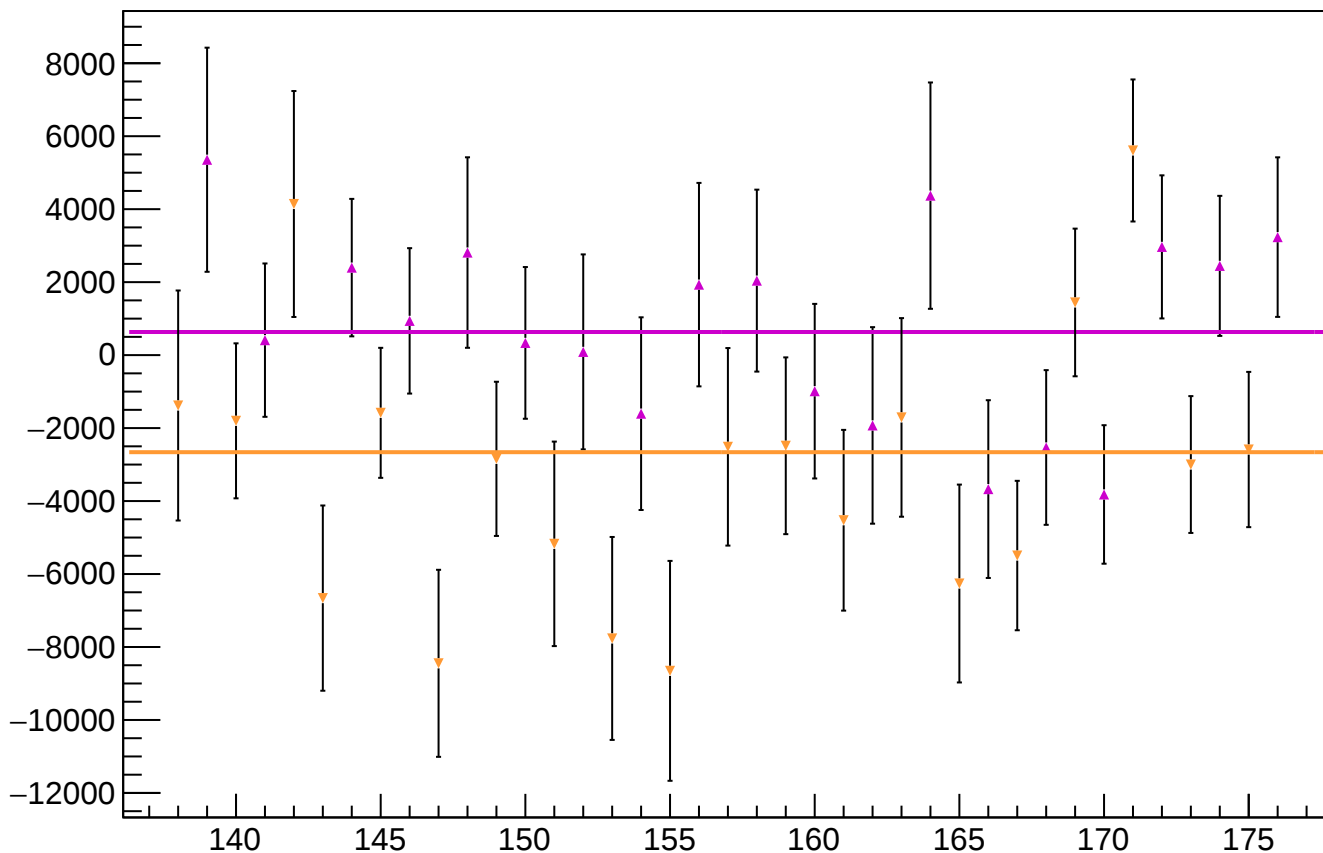
Right: 234.151+/-0.046 χ^2/NDF : 836486.0/35

In: 250.156+/-0.039 χ^2/NDF : 744988.3/35

Out: 247.835+/-0.038 χ^2/NDF : 891730.0/38

All: 248.968+/-0.027 χ^2/NDF : 1638566.8/74

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2660.516+/-524.681 χ^2/NDF : 47.8/19

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

Left In: 633.388+/-523.942 χ^2/NDF : 22.7/18

Left: -1011.241+/-370.744 χ^2/NDF : 90.2/38

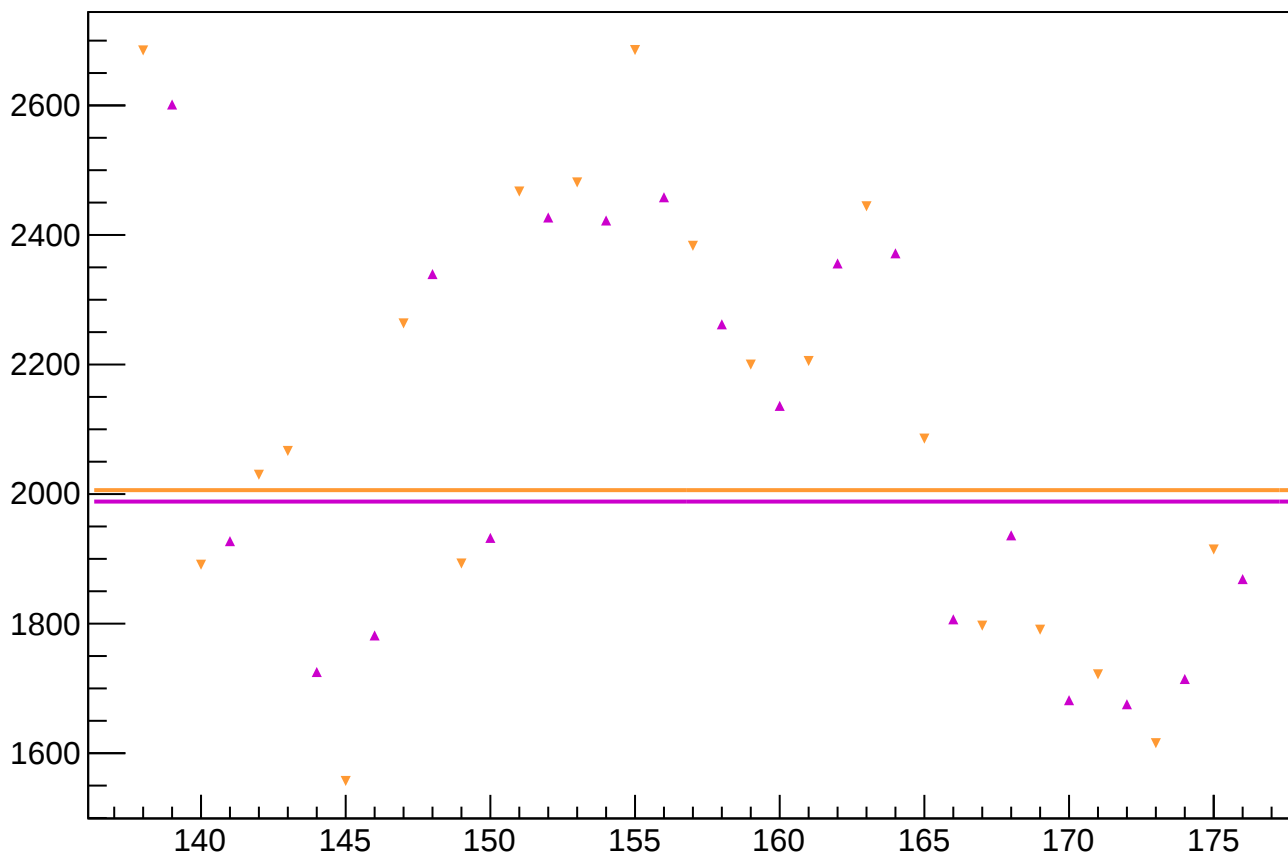
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 633.388+/-523.942 χ^2/NDF : 22.7/18

Out: -2660.516+/-524.681 χ^2/NDF : 47.8/19

All: -1011.241+/-370.744 χ^2/NDF : 90.2/38

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2006.077+/-0.371 χ^2/NDF : 761798.5/19

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

Left In: 1988.439+/-0.370 χ^2/NDF : 605863.3/18

Left: 1997.245+/-0.262 χ^2/NDF : 1368793.5/38

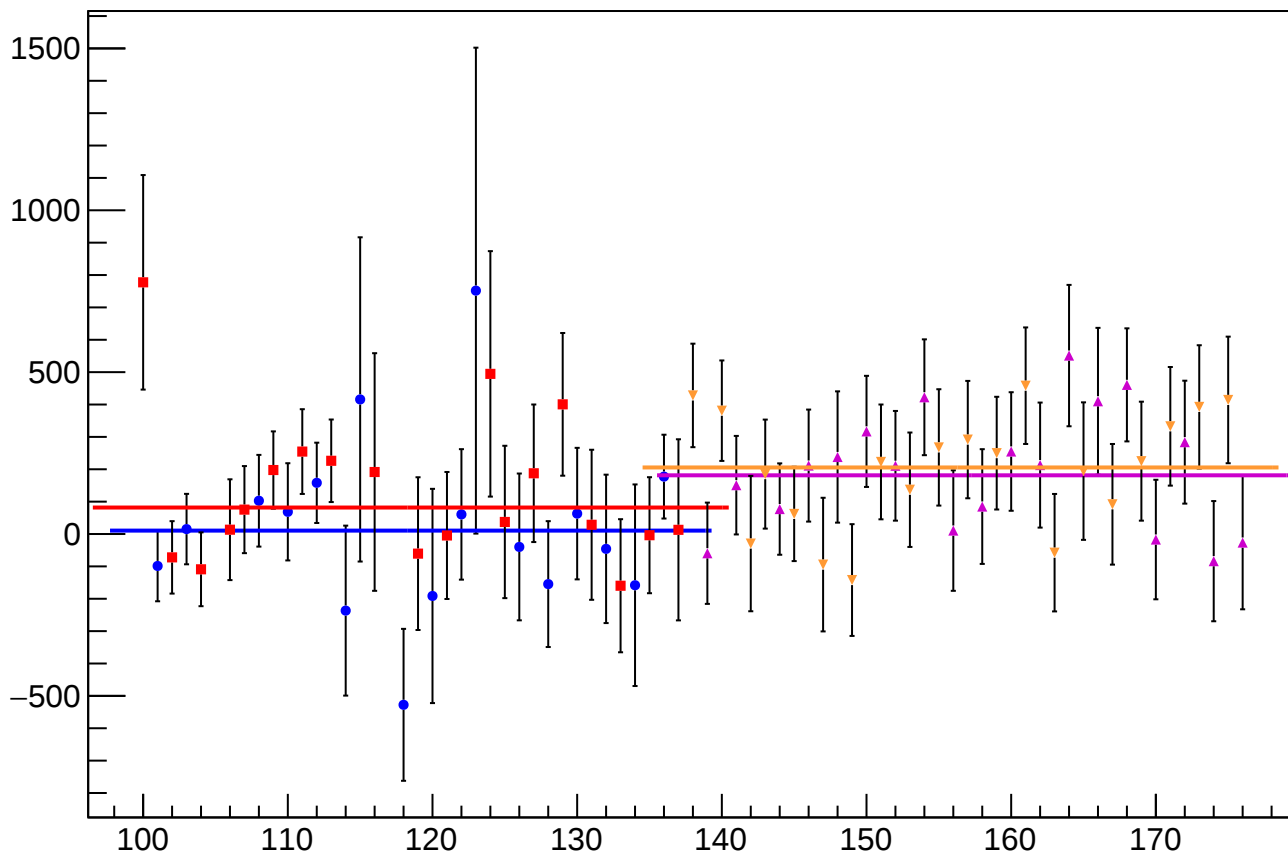
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1988.439+/-0.370 χ^2/NDF : 605863.3/18

Out: 2006.077+/-0.371 χ^2/NDF : 761798.5/19

All: 1997.245+/-0.262 χ^2/NDF : 1368793.5/38

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 205.587+/-39.951 χ^2/NDF :19.3/19

Right Out: 81.802+/-38.985 χ^2/NDF : 19.2/18

Left In: 181.336+/-41.092 χ^2/NDF :17.8/18

Left: 193.803+/-28.645 χ^2/NDF : 37.2/38

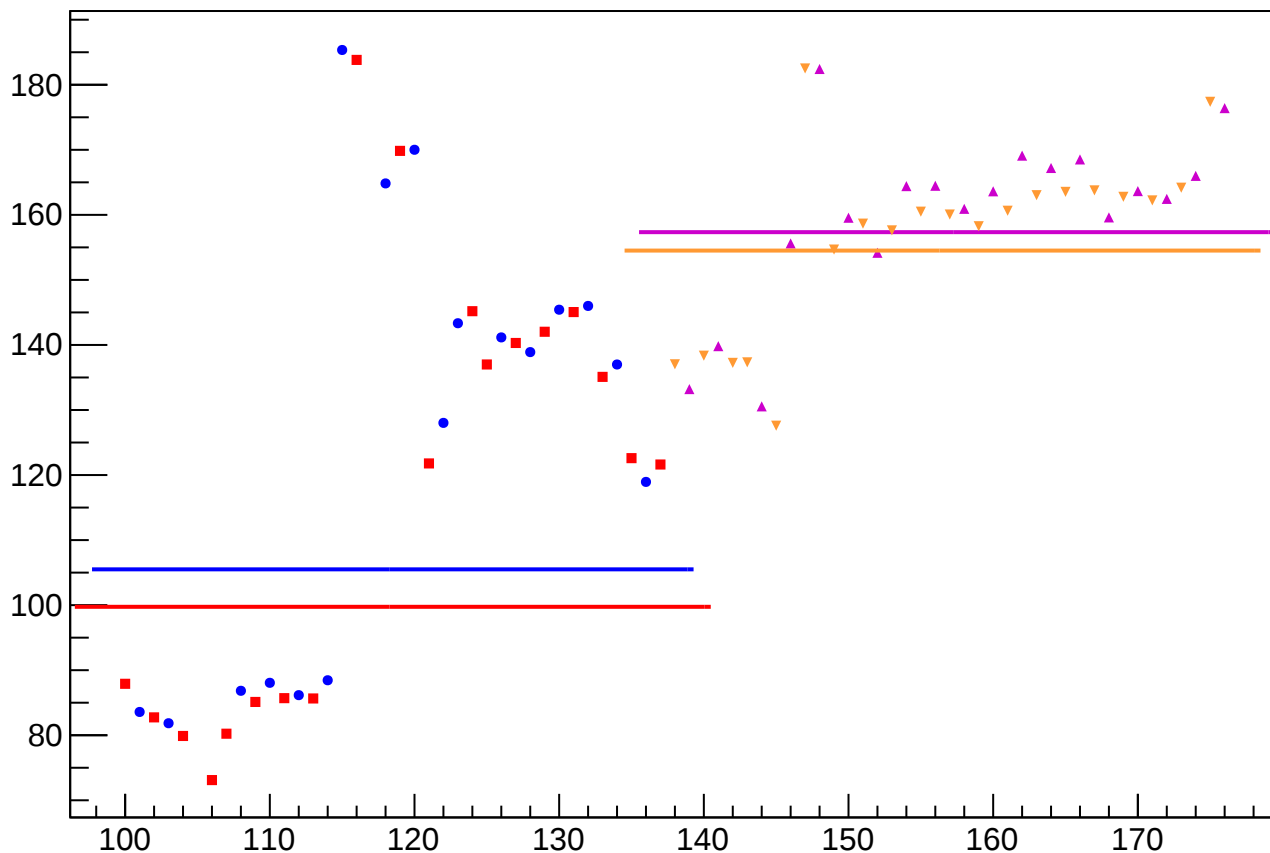
Right: 49.063+/-28.665 χ^2/NDF : 34.8/35

In: 98.396+/-29.472 χ^2/NDF :40.3/35

Out: 142.179+/-27.902 χ^2/NDF :43.4/38

All: 121.485+/-20.262 χ^2/NDF : 84.8/74

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 154.510 $\pm$ 0.028 χ^2 /NDF: 247261.9/19

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

Left In: 157.341 $\pm$ 0.029 χ^2 /NDF: 229165.9/18

Left: 155.886 $\pm$ 0.020 χ^2 /NDF: 481307.0/38

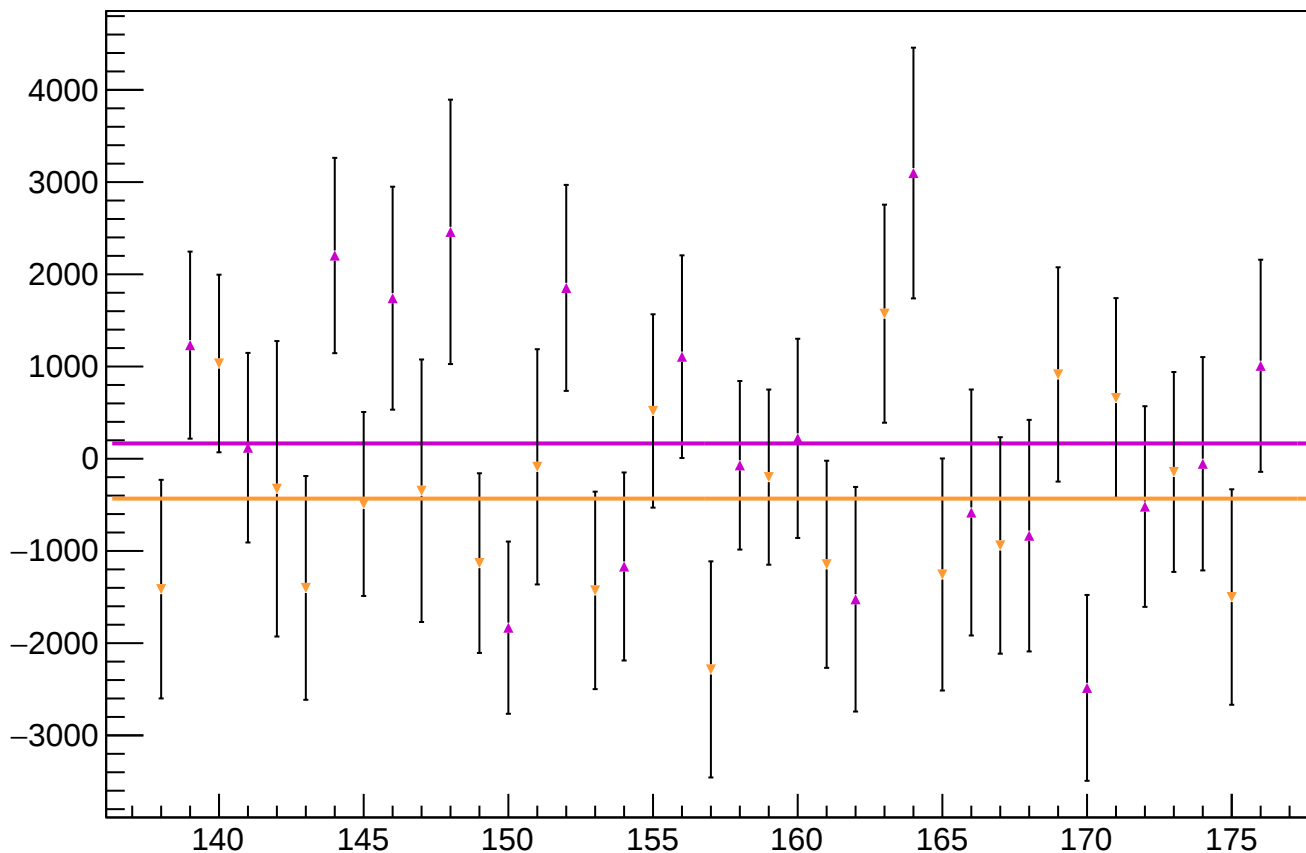
Right: 102.389 $\pm$ 0.020 χ^2 /NDF: 1889165.6/35

In: 132.169 $\pm$ 0.021 χ^2 /NDF: 2643755.4/35

Out: 126.457 $\pm$ 0.020 χ^2 /NDF: 3172533.7/38

All: 129.157 $\pm$ 0.014 χ^2 /NDF: 5855914.6/74

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -432.286+/-252.488 χ^2/NDF :15.6/19

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

Left In: 165.861+/-253.856 χ^2/NDF :33.9/18

Left: -134.827+/-179.018 χ^2/NDF : 52.3/38

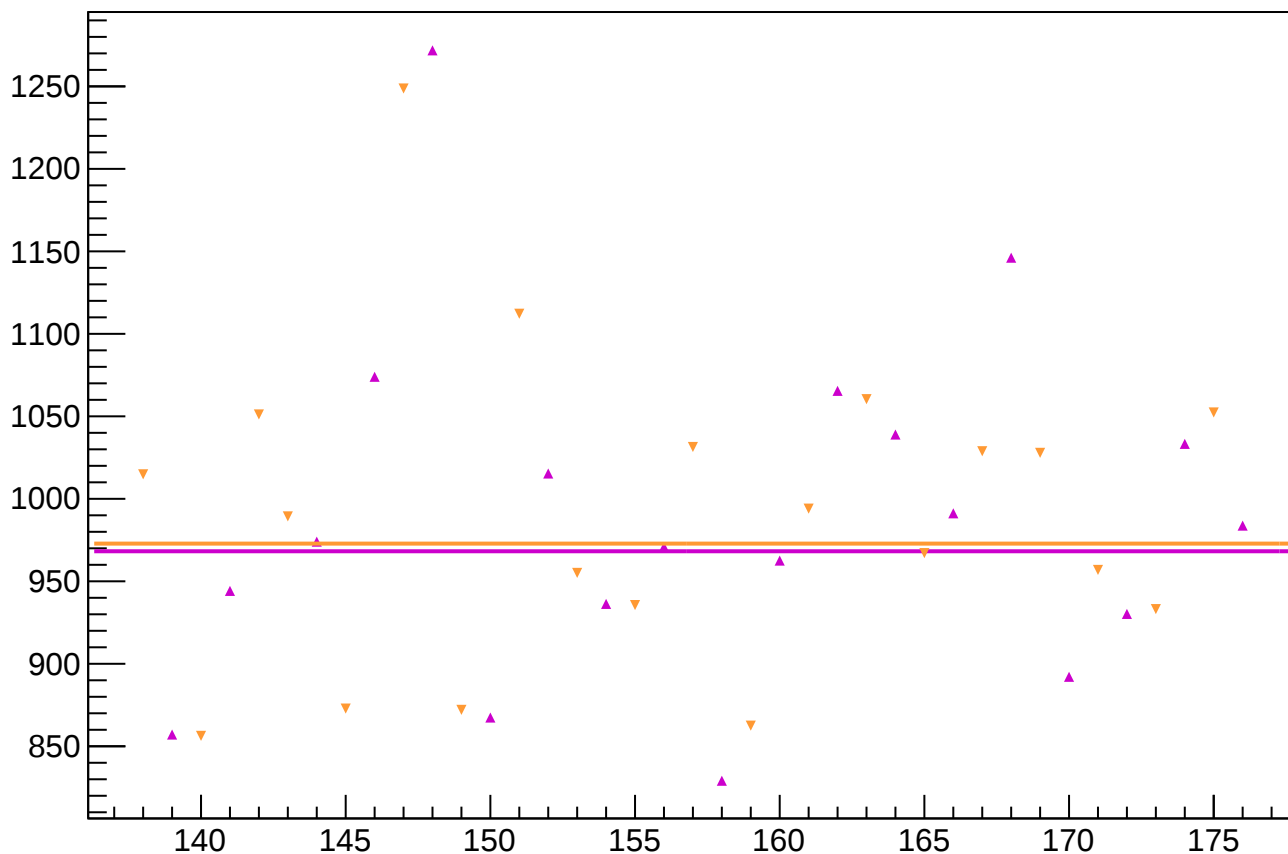
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 165.861+/-253.856 χ^2/NDF :33.9/18

Out: -432.286+/-252.488 χ^2/NDF :15.6/19

All: -134.827+/-179.018 χ^2/NDF : 52.3/38

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 972.852+/-0.179 χ^2/NDF : 245622.2/19

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

Left In: 968.209+/-0.180 χ^2/NDF : 284833.8/18

Left: 970.543+/-0.127 χ^2/NDF : 530792.2/38

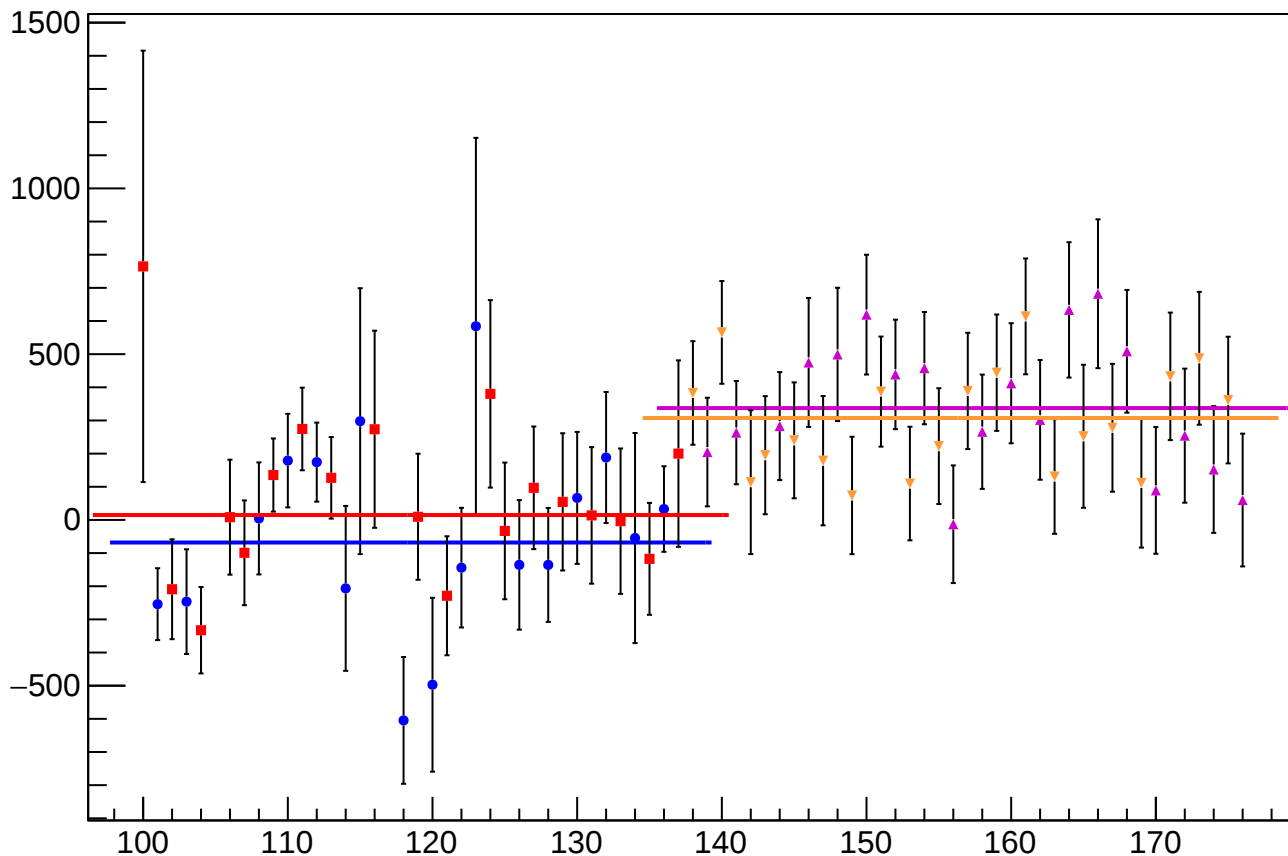
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 968.209+/-0.180 χ^2/NDF : 284833.8/18

Out: 972.852+/-0.179 χ^2/NDF : 245622.2/19

All: 970.543+/-0.127 χ^2/NDF : 530792.2/38

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 307.466 ± 40.334 χ^2/NDF : 15.7/19

Right Out: 14.800 ± 39.467 χ^2/NDF : 23.1/18

Left In: 337.336 ± 41.765 χ^2/NDF : 19.8/18

Left: 321.880 ± 29.013 χ^2/NDF : 35.7/38

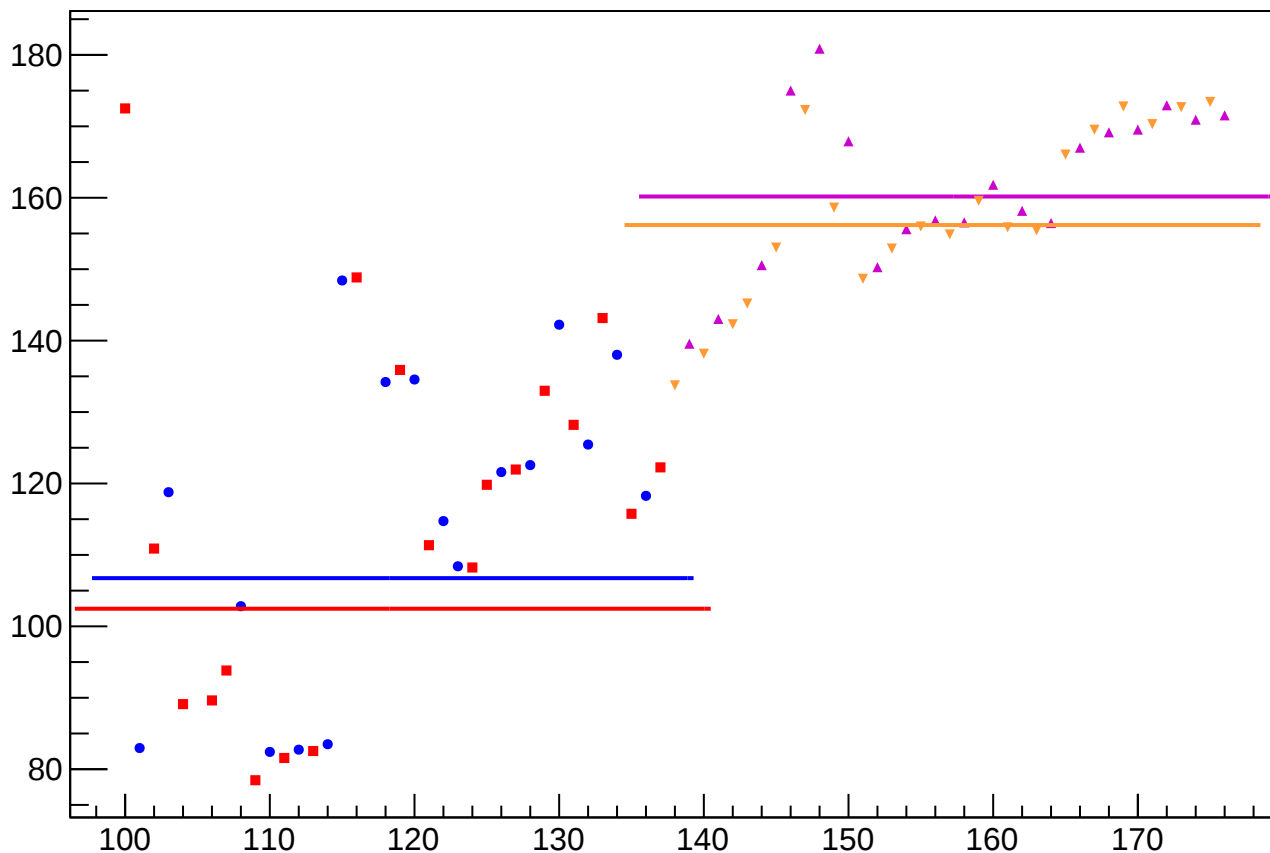
Right: -23.820 ± 28.846 χ^2/NDF : 53.0/35

In: 137.024 ± 29.708 χ^2/NDF : 94.2/35

Out: 157.952 ± 28.209 χ^2/NDF : 65.7/38

All: 148.029 ± 20.456 χ^2/NDF : 160.1/74

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 156.181+/-0.029 χ^2/NDF : 173472.2/19

Right Out: 102.467+/-0.028 χ^2/NDF : 589344.0/18

Left In: 160.176+/-0.030 χ^2/NDF : 142735.8/18

Left: 158.109+/-0.021 χ^2/NDF : 325675.7/38

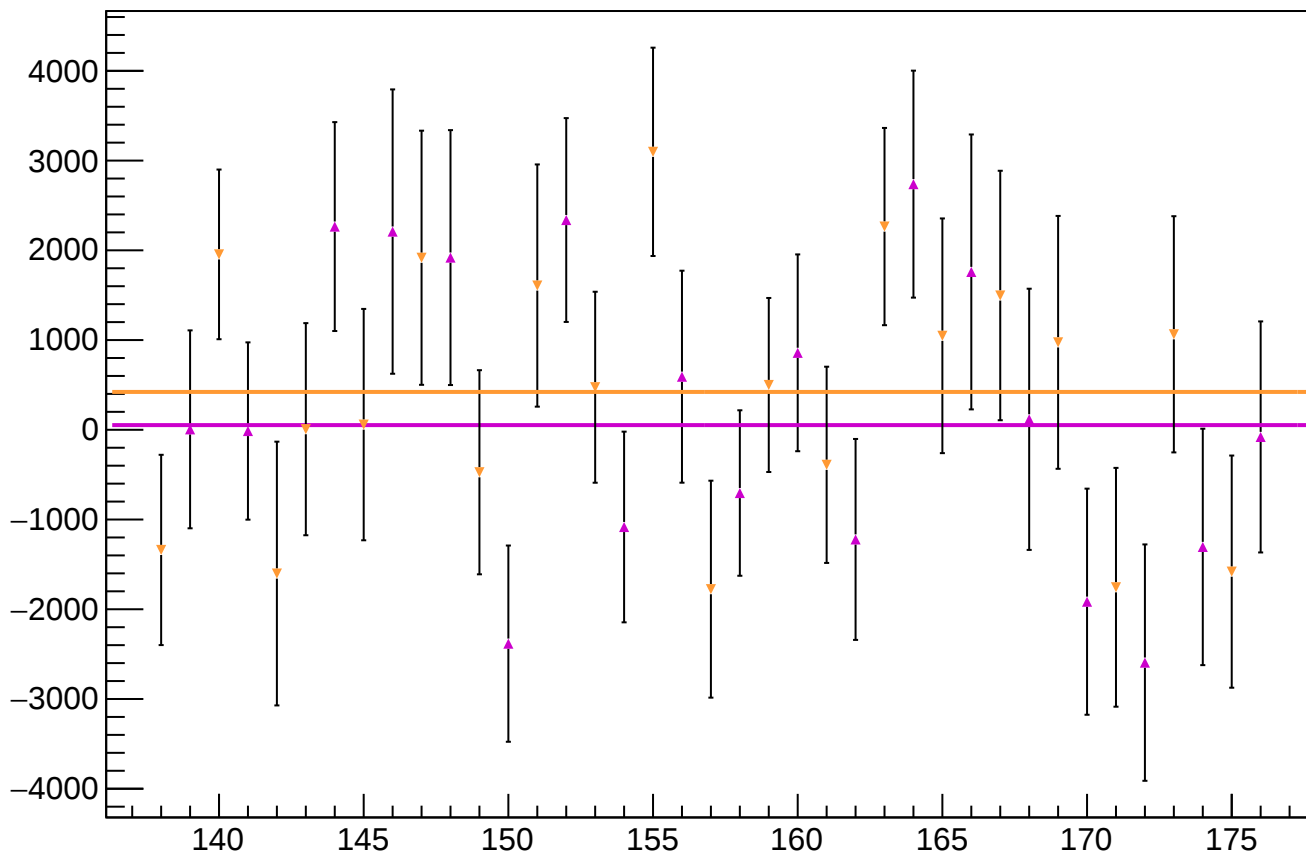
Right: 104.462+/-0.020 χ^2/NDF : 1102055.3/35

In: 133.780+/-0.021 χ^2/NDF : 2261350.1/35

Out: 128.740+/-0.020 χ^2/NDF : 2574853.9/38

All: 131.130+/-0.014 χ^2/NDF : 4866477.7/74

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 421.968+/-267.338 χ^2/NDF :28.3/19

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

Left In: 52.214+/-273.100 χ^2/NDF :33.4/18

Left: 241.032+/-191.041 χ^2/NDF : 62.6/38

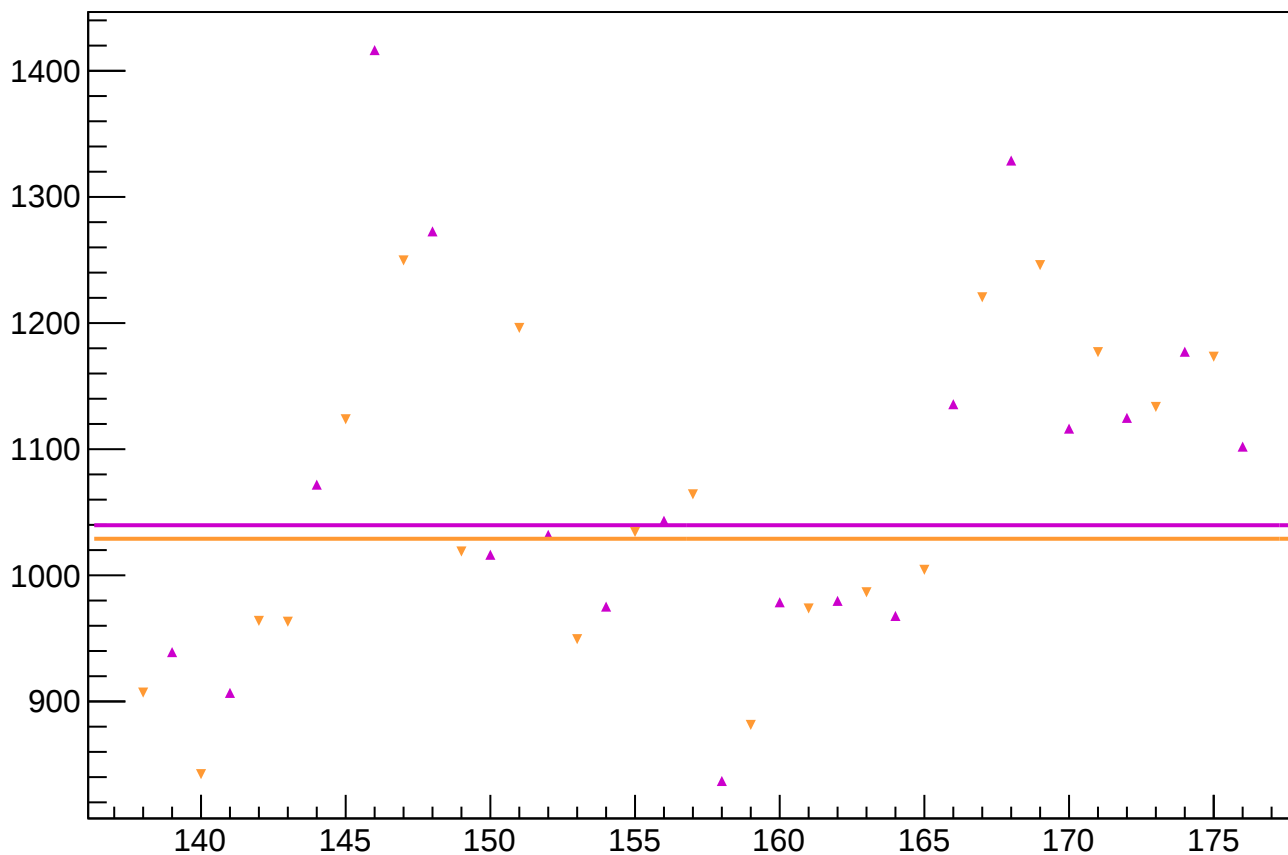
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 52.214+/-273.100 χ^2/NDF :33.4/18

Out: 421.968+/-267.338 χ^2/NDF :28.3/19

All: 241.032+/-191.041 χ^2/NDF : 62.6/38

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1028.987+/-0.189 χ^2/NDF : 420397.1/19

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

Left In: 1039.713+/-0.193 χ^2/NDF : 473855.0/18

Left: 1034.236+/-0.135 χ^2/NDF : 895827.7/38

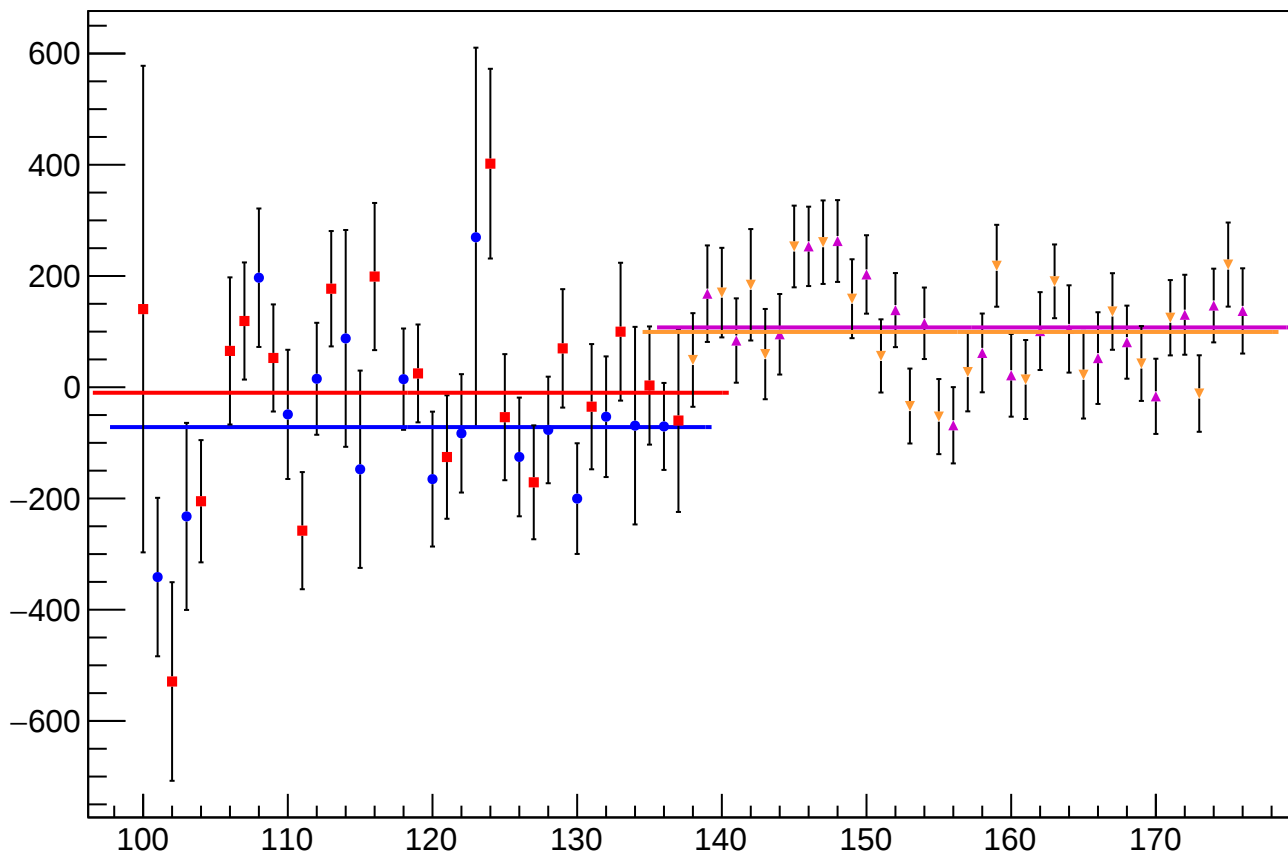
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1039.713+/-0.193 χ^2/NDF : 473855.0/18

Out: 1028.987+/-0.189 χ^2/NDF : 420397.1/19

All: 1034.236+/-0.135 χ^2/NDF : 895827.7/38

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 99.395 ± 16.251 $\chi^2/\text{NDF}: 35.4/19$

Right Out: -9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

Left In: 107.567 ± 16.450 $\chi^2/\text{NDF}: 24.2/18$

Left: 103.431 ± 11.561 $\chi^2/\text{NDF}: 59.8/38$

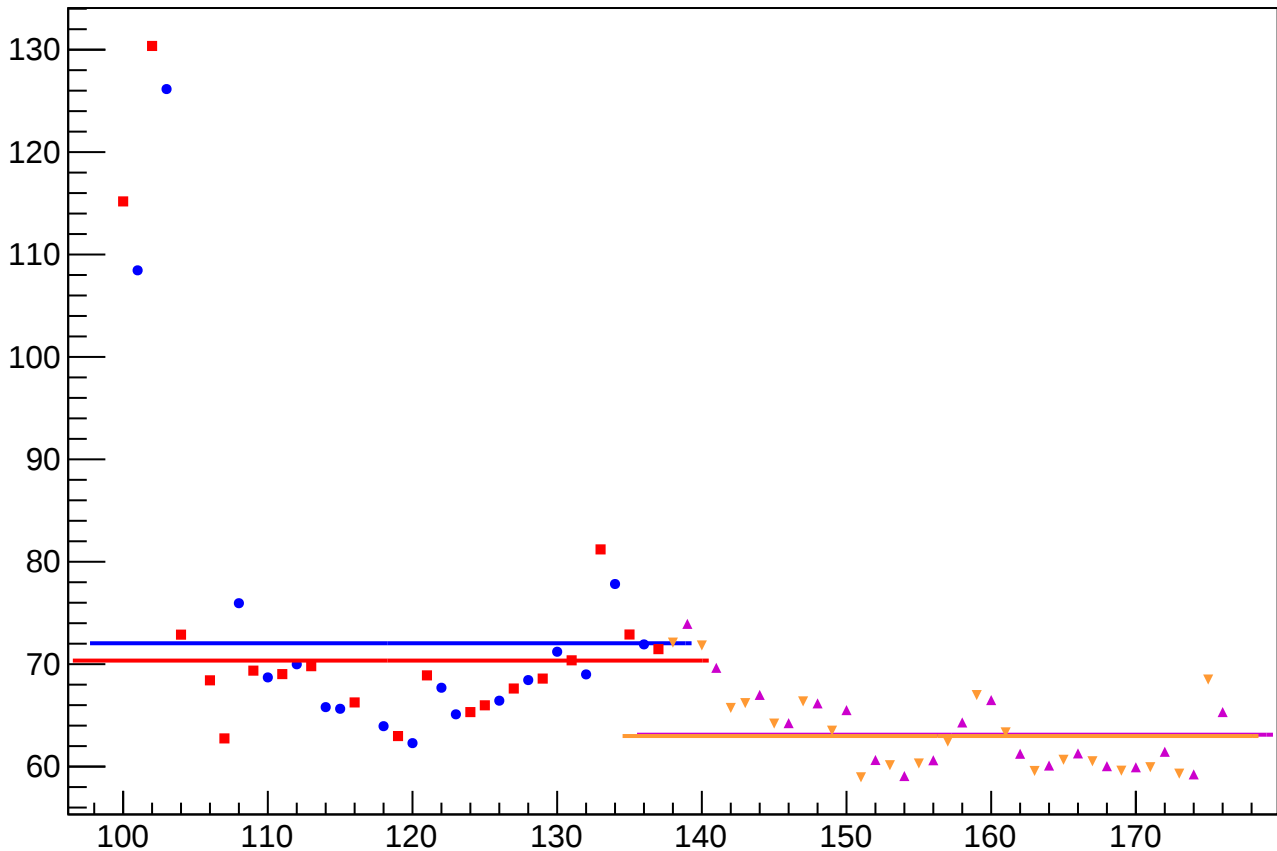
Right: -39.068 ± 19.484 $\chi^2/\text{NDF}: 54.2/35$

In: 62.439 ± 14.230 $\chi^2/\text{NDF}: 69.4/35$

Out: 70.033 ± 13.898 $\chi^2/\text{NDF}: 84.1/38$

All: 66.325 ± 9.943 $\chi^2/\text{NDF}: 153.6/74$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 62.984 $\pm$ 0.011 χ^2 /NDF: 112303.0/19

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

Left In: 63.113 $\pm$ 0.012 χ^2 /NDF: 99685.1/18

Left: 63.048 $\pm$ 0.008 χ^2 /NDF: 212050.5/38

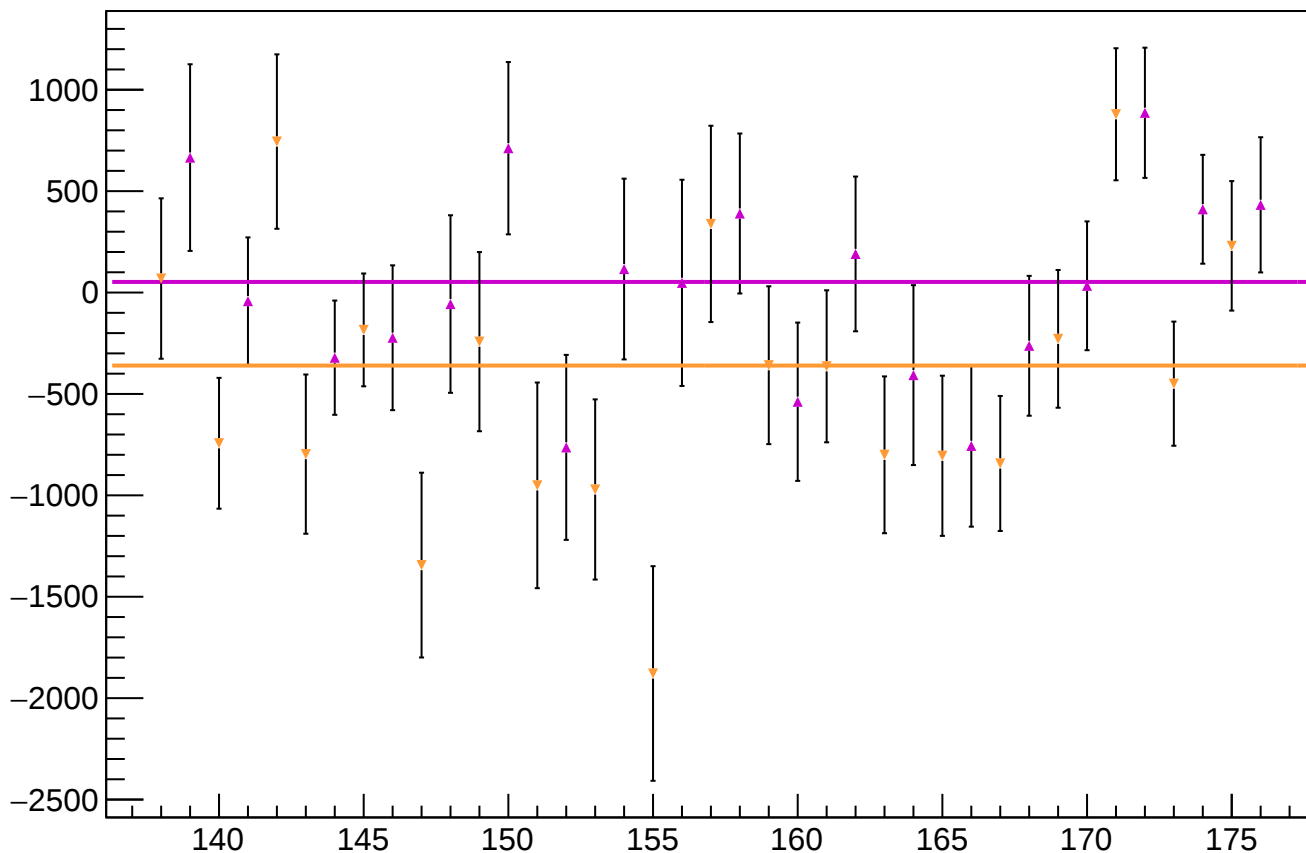
Right: 71.149 $\pm$ 0.014 χ^2 /NDF: 694733.5/35

In: 65.361 $\pm$ 0.010 χ^2 /NDF: 640022.0/35

Out: 64.963 $\pm$ 0.010 χ^2 /NDF: 521709.0/38

All: 65.157 $\pm$ 0.007 χ^2 /NDF: 1162534.1/74

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -360.007+/-83.921 χ^2/NDF : 51.9/19

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

Left In: 52.326+/-83.942 χ^2/NDF : 28.9/18

Left: -153.893+/-59.349 χ^2/NDF : 92.9/38

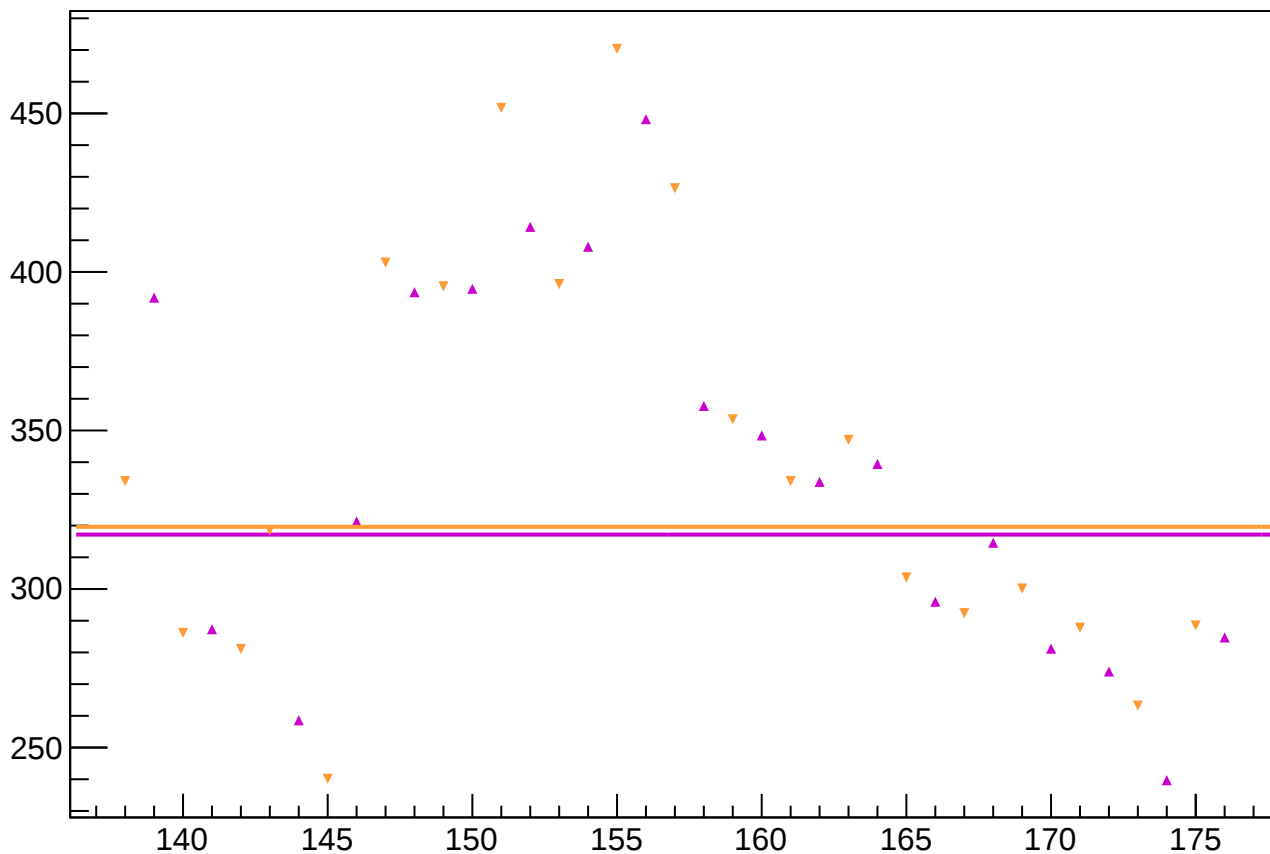
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 52.326+/-83.942 χ^2/NDF : 28.9/18

Out: -360.007+/-83.921 χ^2/NDF : 51.9/19

All: -153.893+/-59.349 χ^2/NDF : 92.9/38

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 319.620+/-0.059 χ^2/NDF :941541.2/19

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

Left In: 317.170+/-0.059 χ^2/NDF :887501.8/18

Left: 318.395+/-0.042 χ^2/NDF : 1829894.9/38

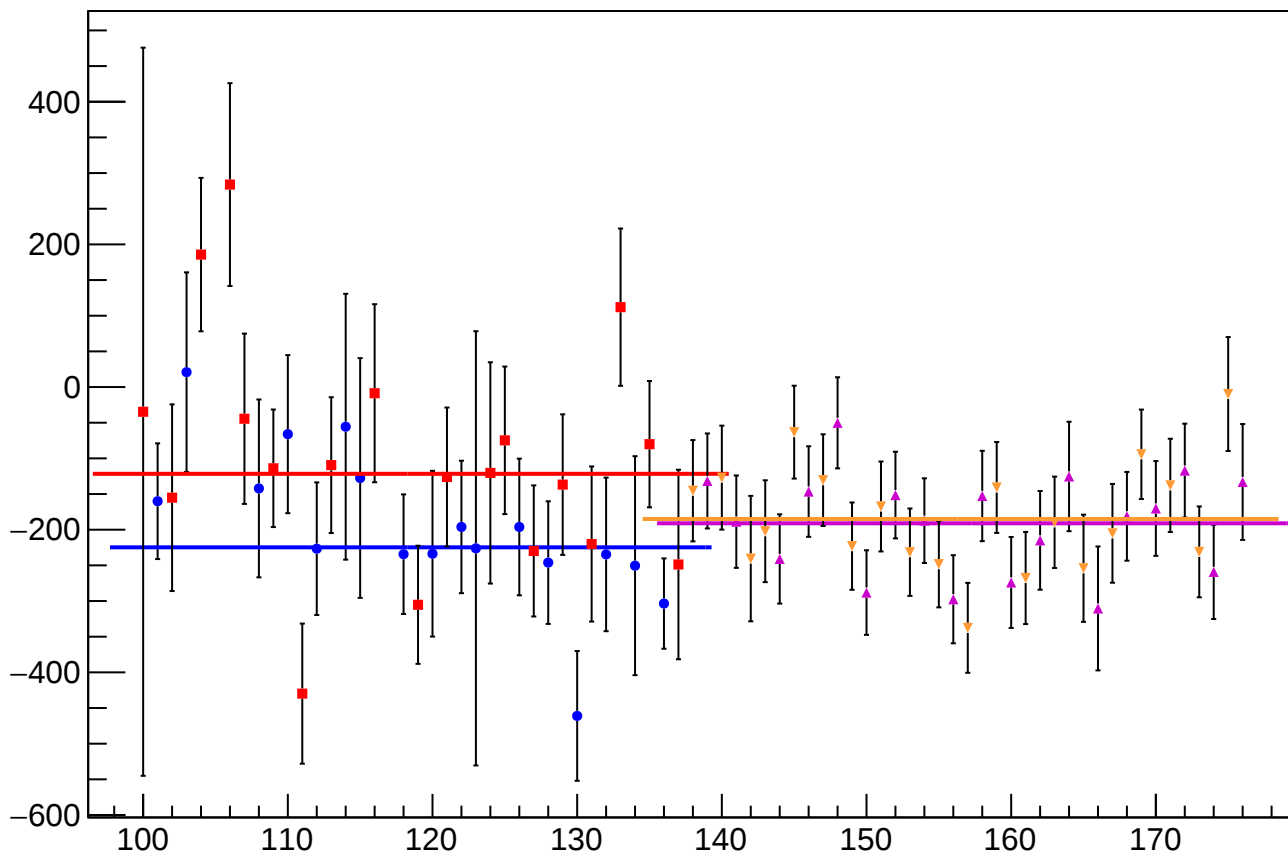
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 317.170+/-0.059 χ^2/NDF :887501.8/18

Out: 319.620+/-0.059 χ^2/NDF :941541.2/19

All: 318.395+/-0.042 χ^2/NDF : 1829894.9/38

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -184.987 ± 14.897 χ^2/NDF : 24.6/19

Right Out: -121.633 ± 24.599 χ^2/NDF : 40.5/18

Left In: -191.037 ± 15.047 χ^2/NDF : 20.6/18

Left: -187.982 ± 10.587 χ^2/NDF : 45.3/38

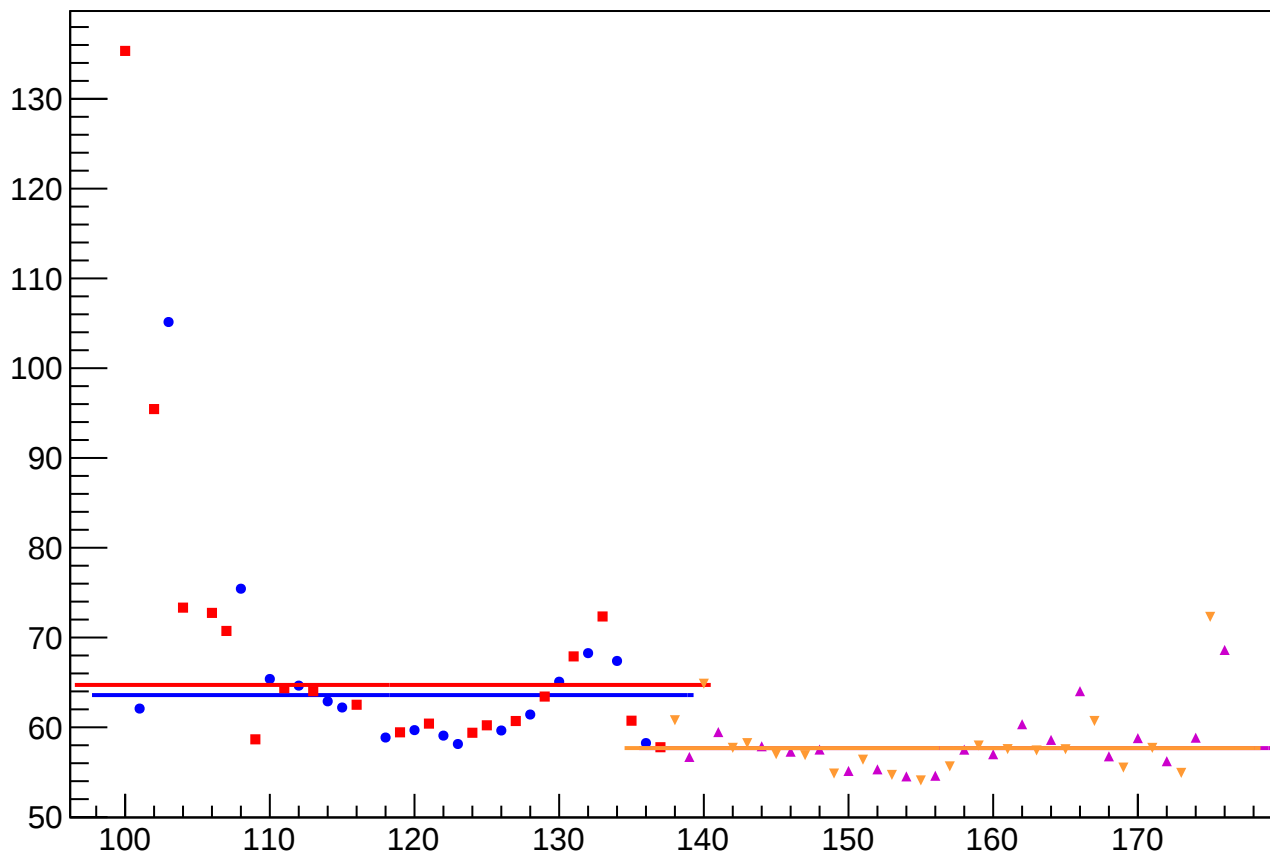
Right: -172.594 ± 17.493 χ^2/NDF : 65.1/35

In: -200.059 ± 12.876 χ^2/NDF : 37.9/35

Out: -167.987 ± 12.743 χ^2/NDF : 70.0/38

All: -183.857 ± 9.057 χ^2/NDF : 111.0/74

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 57.685+/-0.011 χ^2/NDF : 119889.8/19

Right Out: 64.720+/-0.017 χ^2/NDF : 227506.4/18

Left In: 57.683+/-0.011 χ^2/NDF : 72342.0/18

Left: 57.684+/-0.007 χ^2/NDF : 192231.8/38

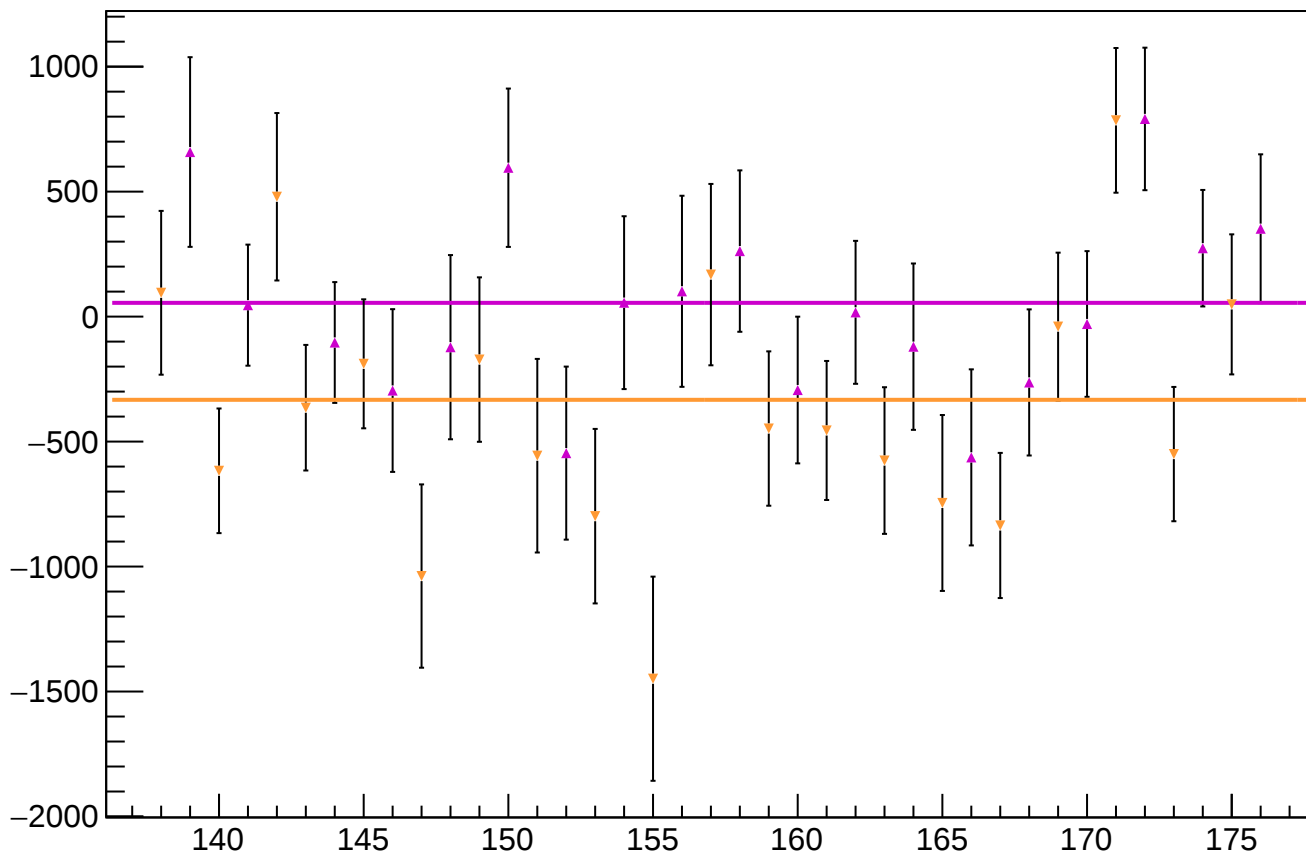
Right: 64.161+/-0.012 χ^2/NDF : 464197.3/35

In: 59.265+/-0.009 χ^2/NDF : 389463.1/35

Out: 59.573+/-0.009 χ^2/NDF : 467071.3/38

All: 59.420+/-0.006 χ^2/NDF : 857113.9/74

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -332.901 $\pm$ 68.161 χ^2 /NDF:48.4/19

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

Left In: 55.045 $\pm$ 69.430 χ^2 /NDF:25.3/18

Left: -142.508 $\pm$ 48.640 χ^2 /NDF: 89.6/38

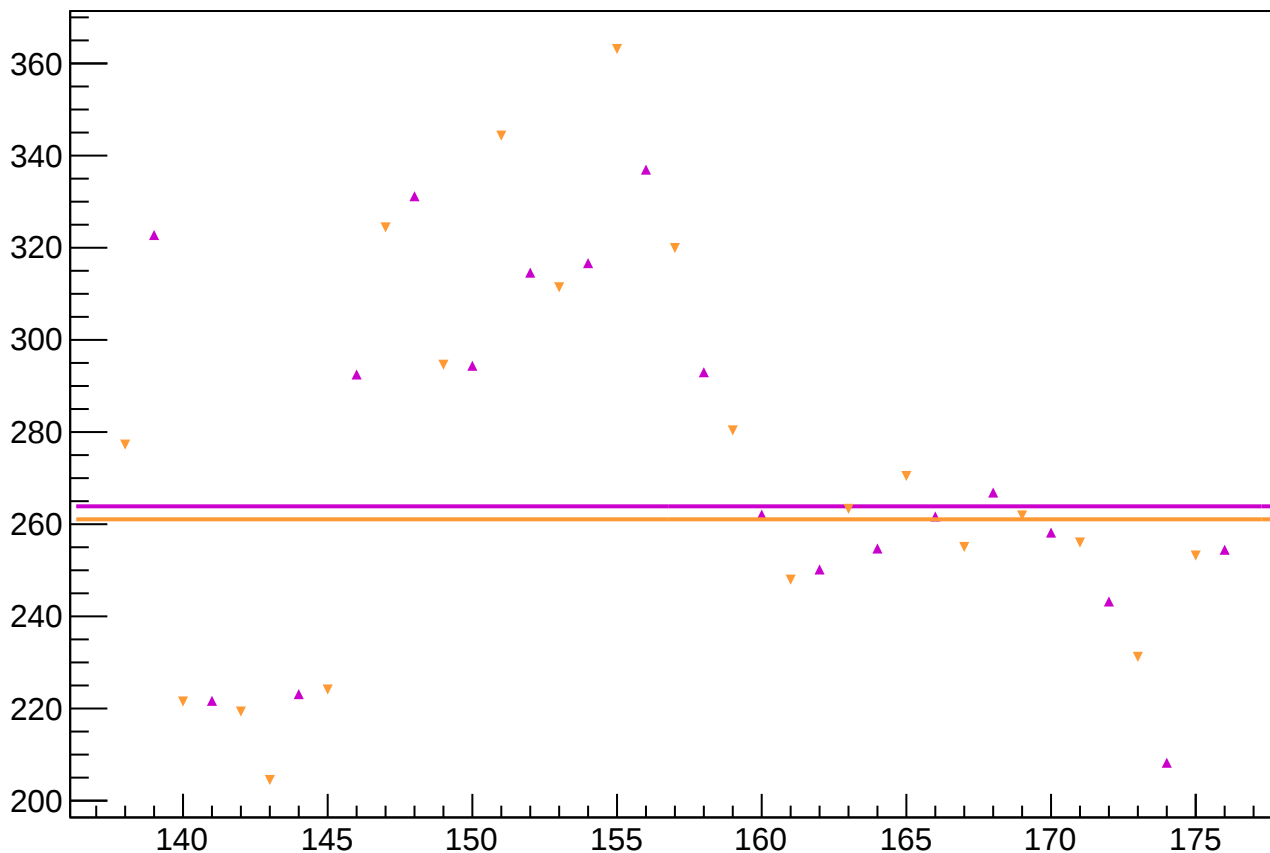
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 55.045 $\pm$ 69.430 χ^2 /NDF:25.3/18

Out: -332.901 $\pm$ 68.161 χ^2 /NDF:48.4/19

All: -142.508 $\pm$ 48.640 χ^2 /NDF: 89.6/38

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 261.063+/-0.048 χ^2/NDF : 662379.7/19

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

Left In: 263.881+/-0.049 χ^2/NDF : 579148.8/18

Left: 262.446+/-0.034 χ^2/NDF : 1243206.3/38

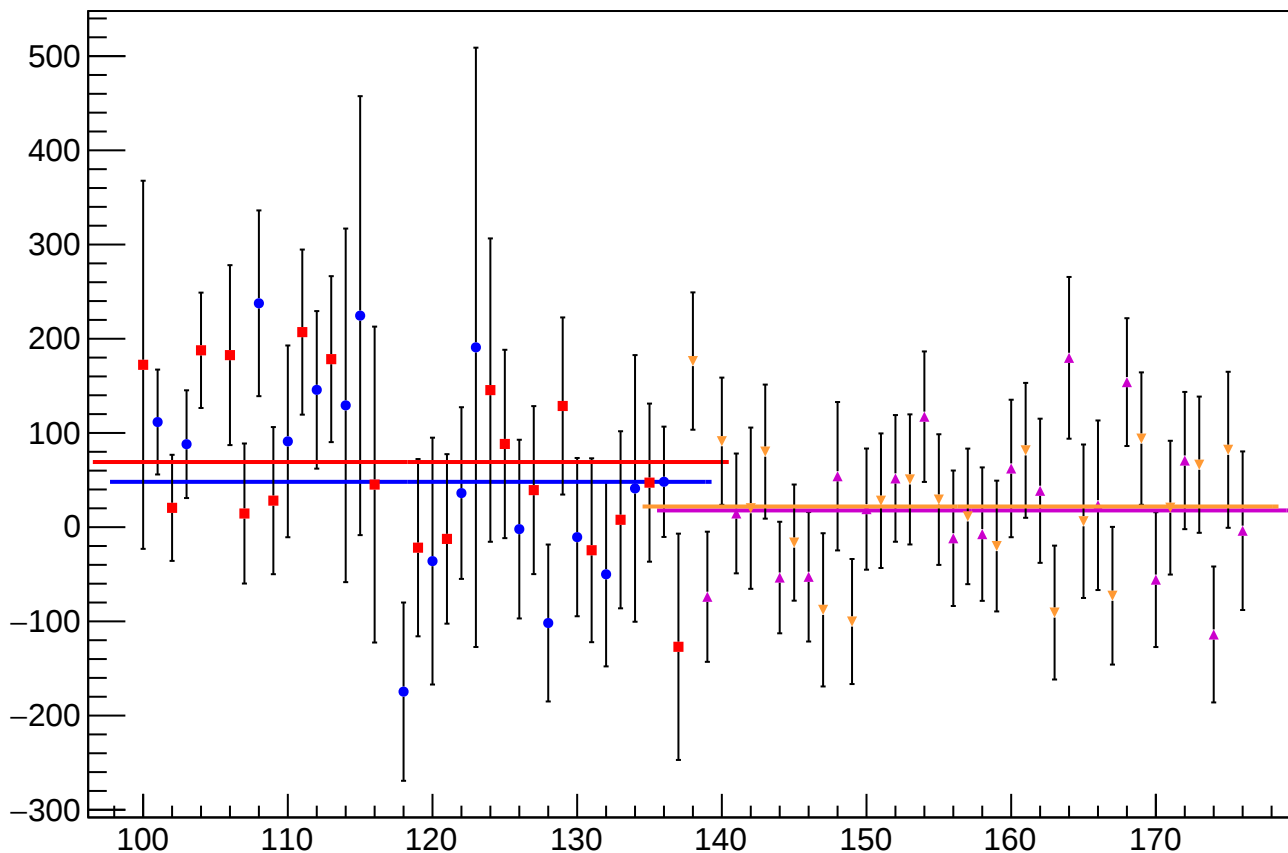
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 263.881+/-0.049 χ^2/NDF : 579148.8/18

Out: 261.063+/-0.048 χ^2/NDF : 662379.7/19

All: 262.446+/-0.034 χ^2/NDF : 1243206.3/38

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: 21.935 $\pm$ 16.083 χ^2/NDF : 19.3/19

Right Out: 69.156 $\pm$ 20.407 χ^2/NDF : 17.7/18

Left In: 17.757 $\pm$ 16.370 χ^2/NDF : 20.1/18

Left: 19.883 $\pm$ 11.473 χ^2/NDF : 39.4/38

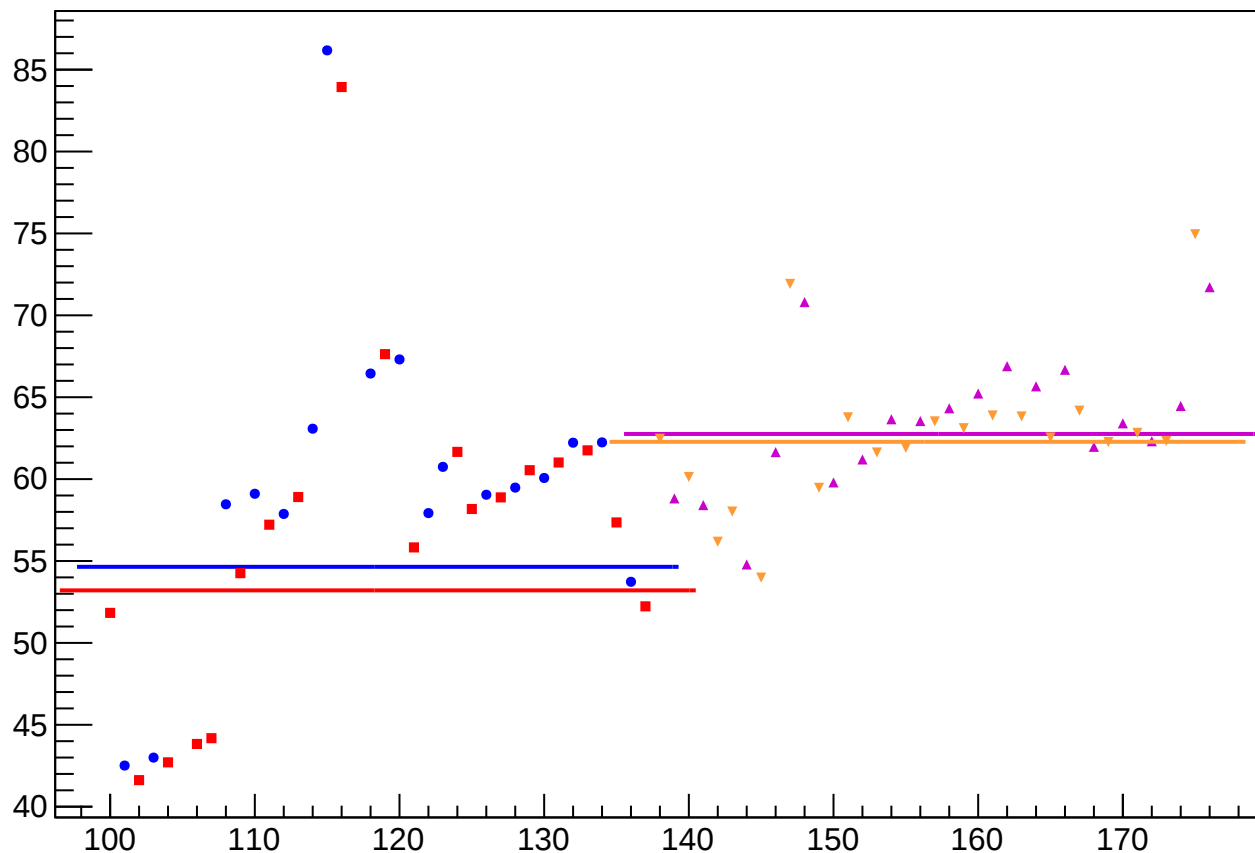
Right: 59.186 $\pm$ 14.805 χ^2/NDF : 37.1/35

In: 28.889 $\pm$ 13.027 χ^2/NDF : 40.3/35

Out: 40.027 $\pm$ 12.631 χ^2/NDF : 40.2/38

All: 34.629 $\pm$ 9.068 χ^2/NDF : 80.9/74

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: 62.278 $\pm$ 0.011 χ^2 /NDF:139510.1/19

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

Left In: 62.756 $\pm$ 0.012 χ^2 /NDF:118864.8/18

Left: 62.513 $\pm$ 0.008 χ^2 /NDF: 259244.8/38

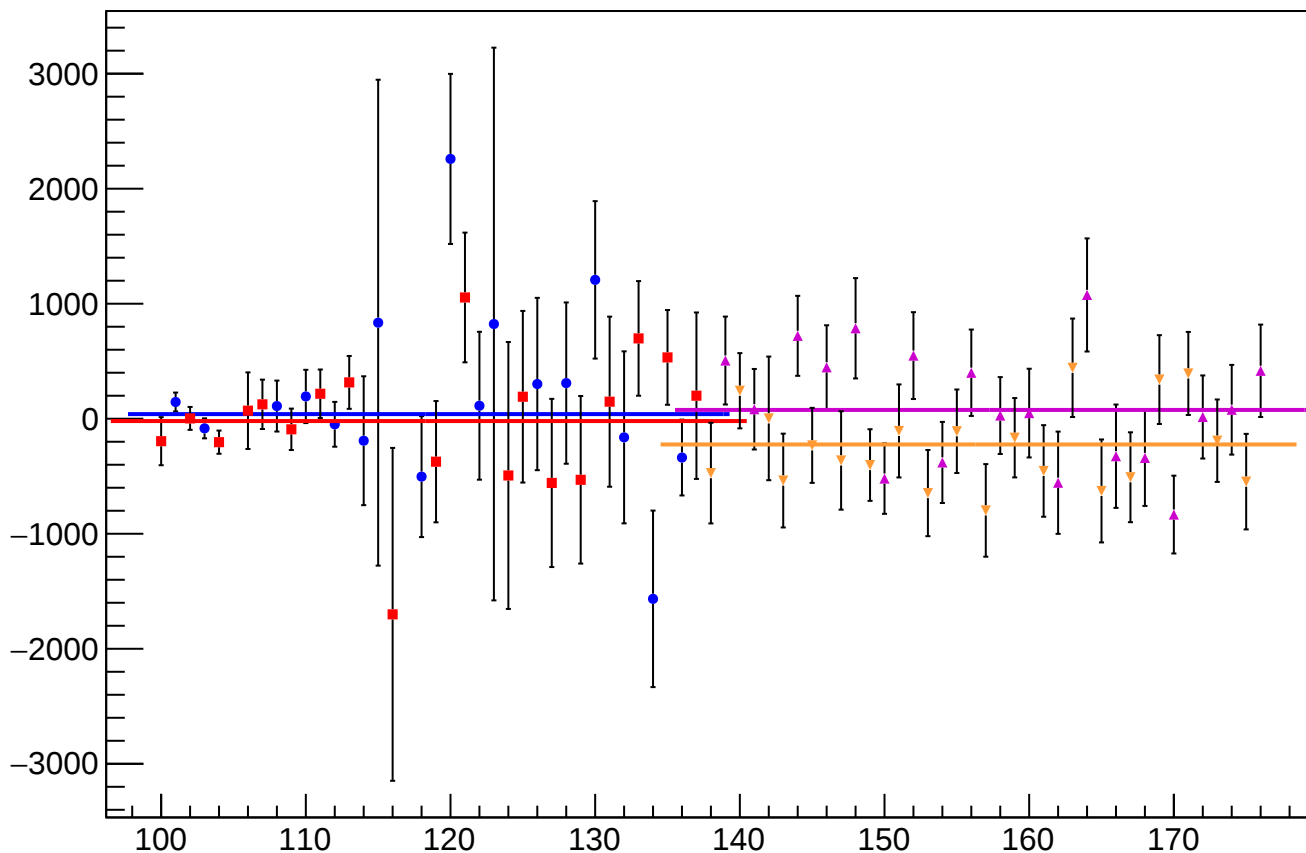
Right: 53.888 $\pm$ 0.010 χ^2 /NDF: 710299.5/35

In: 59.781 $\pm$ 0.009 χ^2 /NDF:618265.9/35

Out: 58.802 $\pm$ 0.009 χ^2 /NDF:769568.1/38

All: 59.277 $\pm$ 0.006 χ^2 /NDF: 1393655.1/74

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: -223.541 $\pm$ 85.778 χ^2 /NDF:16.9/19

Right Out: -20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

Left In: 76.633 $\pm$ 86.524 χ^2 /NDF:32.1/18

Left: -74.753 $\pm$ 60.916 χ^2 /NDF: 55.1/38

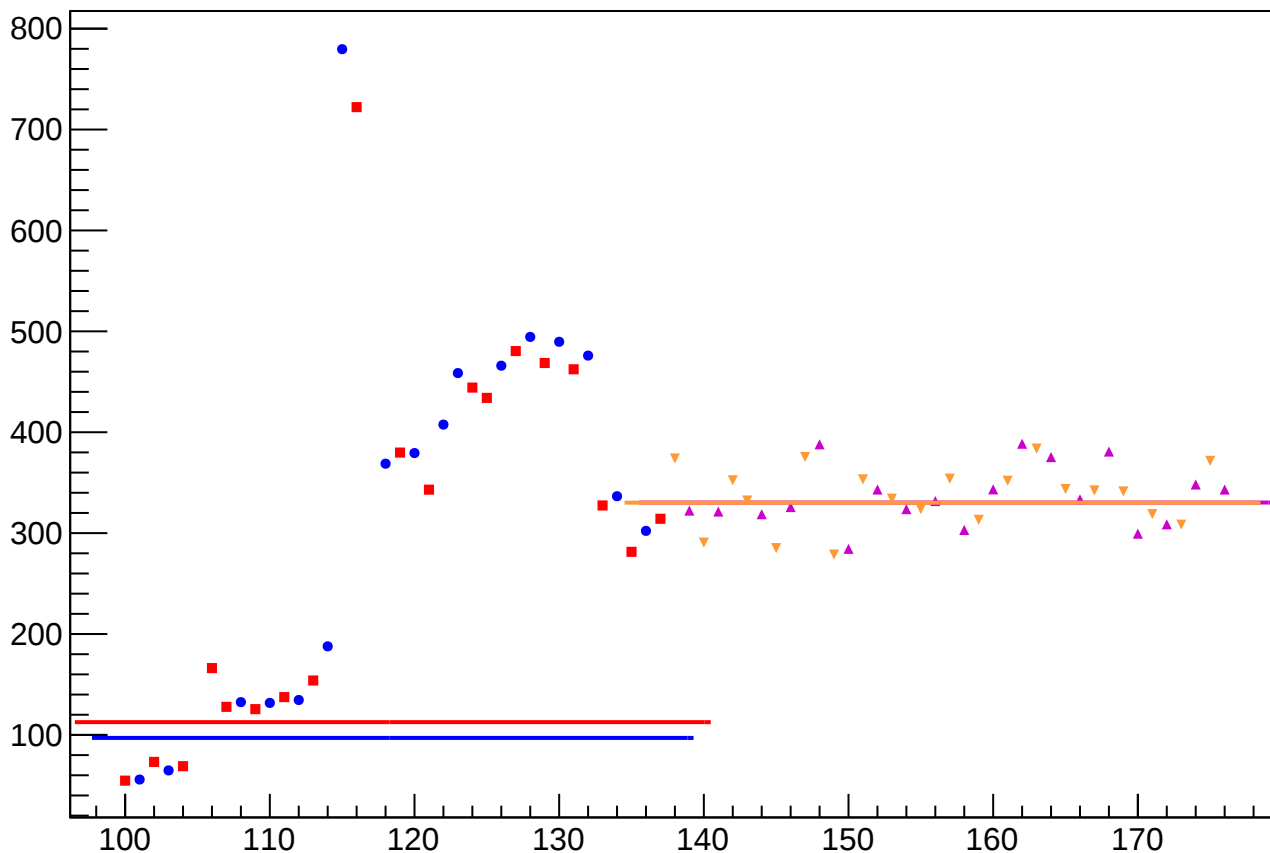
Right: 10.986 $\pm$ 37.043 χ^2 /NDF: 43.4/35

In: 49.748 $\pm$ 44.281 χ^2 /NDF:56.1/35

Out: -76.824 $\pm$ 45.256 χ^2 /NDF:39.8/38

All: -12.160 $\pm$ 31.651 χ^2 /NDF: 99.9/74

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 330.198+/-0.061 χ^2/NDF : 259238.4/19

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

Left In: 330.326+/-0.061 χ^2/NDF : 213825.1/18

Left: 330.262+/-0.043 χ^2/NDF : 473065.7/38

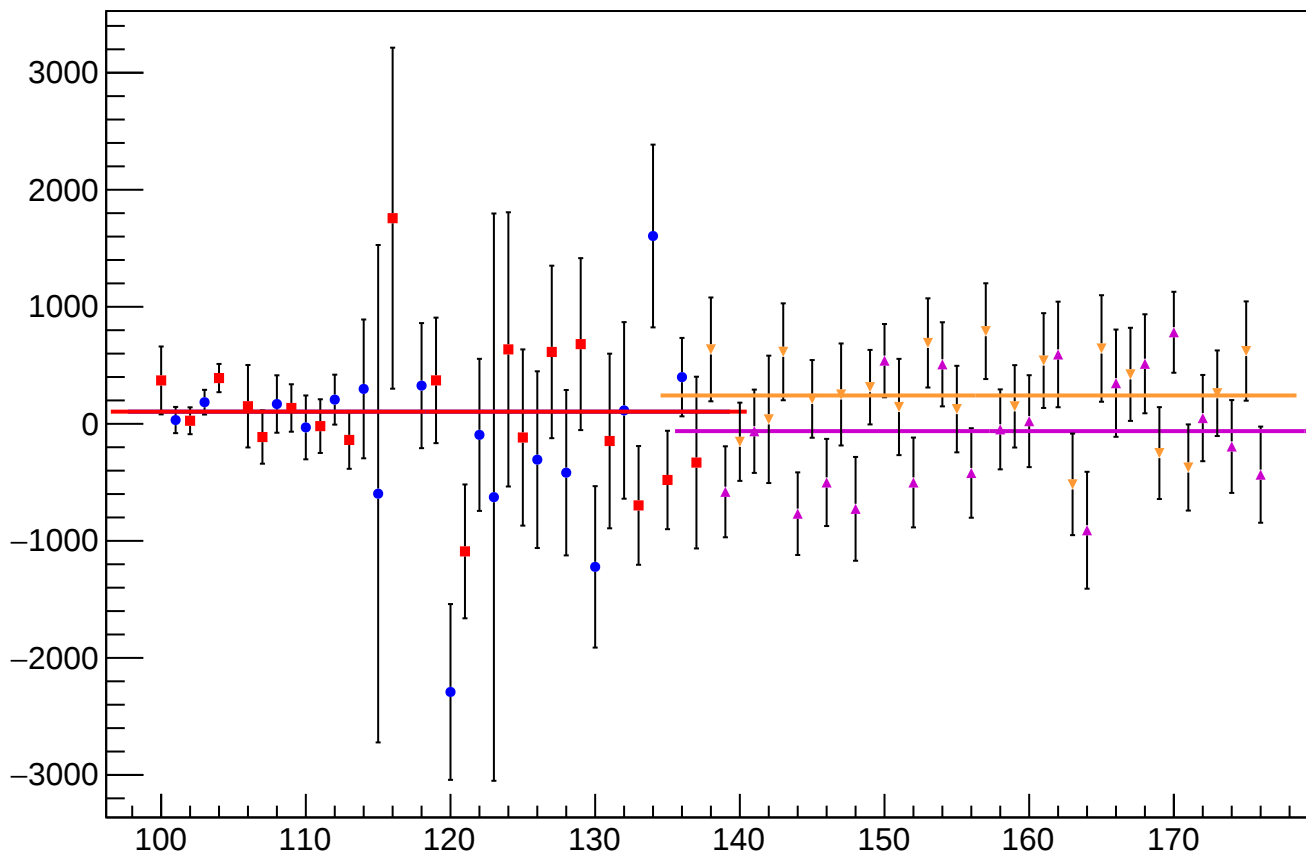
Right: 104.588+/-0.026 χ^2/NDF : 10944761.2/35

In: 158.141+/-0.031 χ^2/NDF : 16764700.2/35

Out: 173.208+/-0.032 χ^2/NDF : 14578706.2/38

All: 165.510+/-0.022 χ^2/NDF : 31456674.6/74

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2/NDF : 21.3/16

Left Out: 242.356 $\pm$ 87.345 χ^2/NDF : 16.4/19

Right Out: 104.140 $\pm$ 60.857 χ^2/NDF : 21.3/18

Left In: -62.225 $\pm$ 88.130 χ^2/NDF : 32.5/18

Left: 91.428 $\pm$ 62.038 χ^2/NDF : 54.9/38

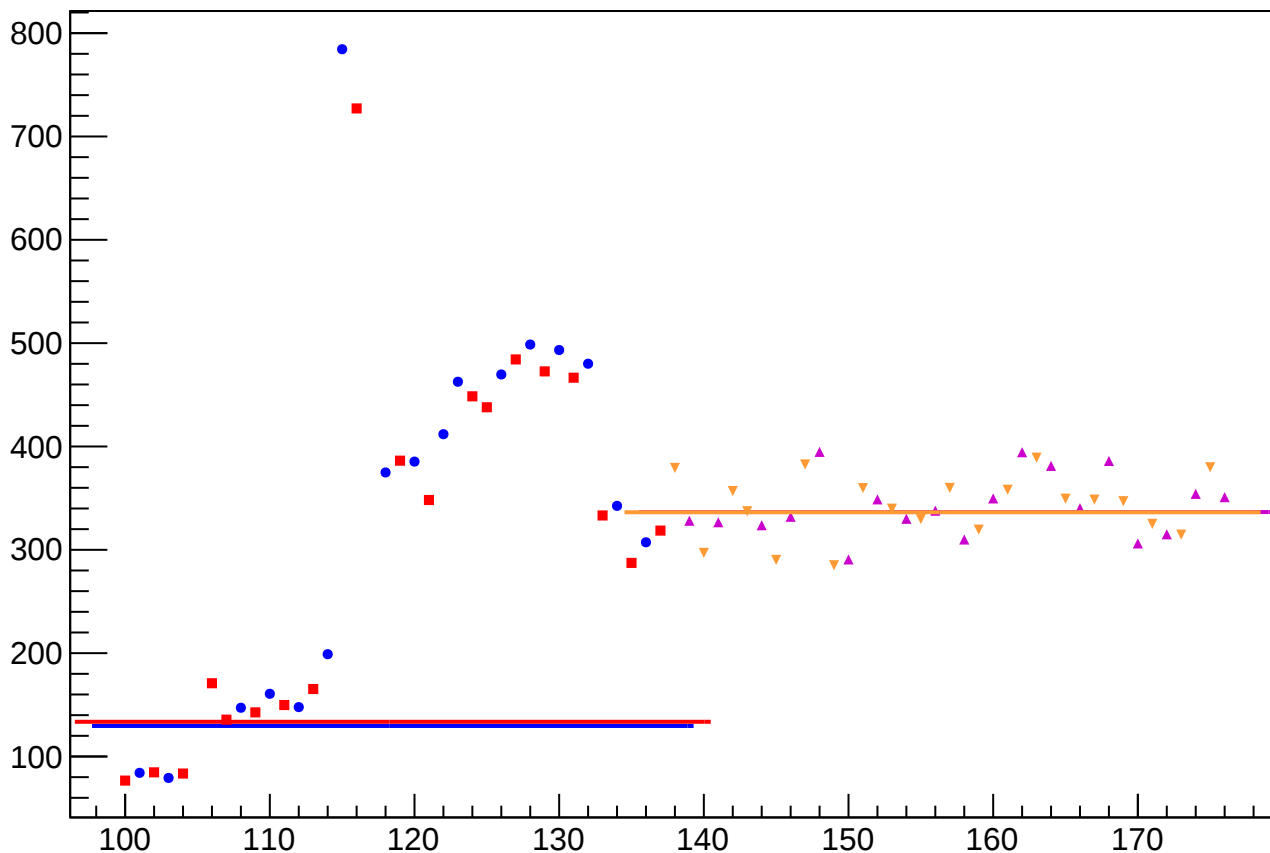
Right: 104.073 $\pm$ 43.823 χ^2/NDF : 42.6/35

In: 47.600 $\pm$ 51.335 χ^2/NDF : 56.1/35

Out: 149.310 $\pm$ 49.932 χ^2/NDF : 39.4/38

All: 99.864 $\pm$ 35.793 χ^2/NDF : 97.5/74

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 336.363 $\pm$ 0.062 χ^2 /NDF:251061.1/19

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

Left In: 336.569 $\pm$ 0.062 χ^2 /NDF:204921.5/18

Left: 336.465 $\pm$ 0.044 χ^2 /NDF: 455988.2/38

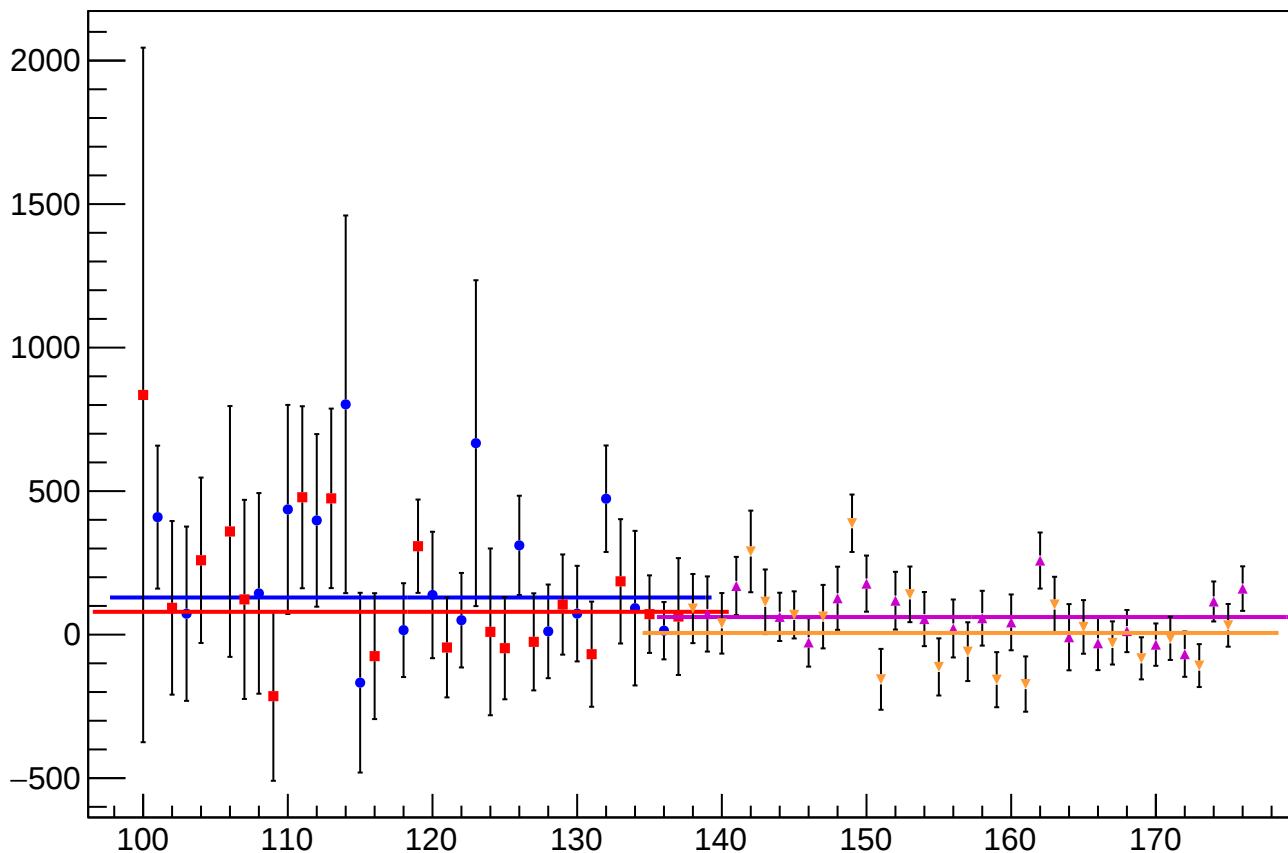
Right: 131.647 $\pm$ 0.031 χ^2 /NDF: 9142947.8/35

In: 199.794 $\pm$ 0.036 χ^2 /NDF:12268616.6/35

Out: 199.859 $\pm$ 0.035 χ^2 /NDF:11873523.7/38

All: 199.828 $\pm$ 0.025 χ^2 /NDF: 24142142.0/74

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: 5.903 $\pm$ 20.647 χ^2 /NDF:38.6/19

Right Out: 79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

Left In: 61.284 $\pm$ 20.646 χ^2 /NDF:17.0/18

Left: 33.595 $\pm$ 14.600 χ^2 /NDF: 59.2/38

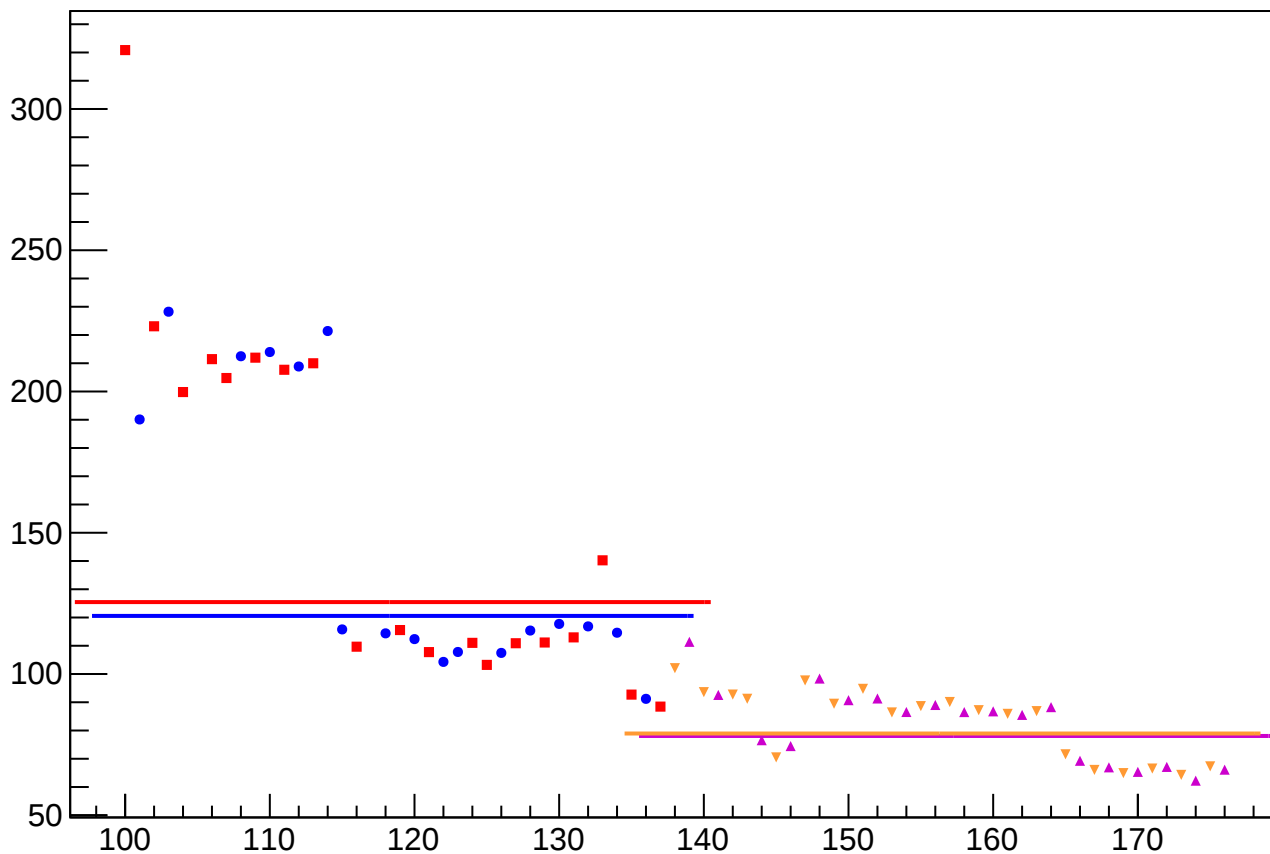
Right: 104.826 $\pm$ 35.001 χ^2 /NDF: 23.7/35

In: 71.510 $\pm$ 19.033 χ^2 /NDF:31.5/35

Out: 16.664 $\pm$ 19.078 χ^2 /NDF:50.7/38

All: 44.151 $\pm$ 13.474 χ^2 /NDF: 86.4/74

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 78.937 $\pm$ 0.015 χ^2 /NDF: 717828.6/19

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

Left In: 78.071 $\pm$ 0.015 χ^2 /NDF: 721968.0/18

Left: 78.504 $\pm$ 0.010 χ^2 /NDF: 1441556.2/38

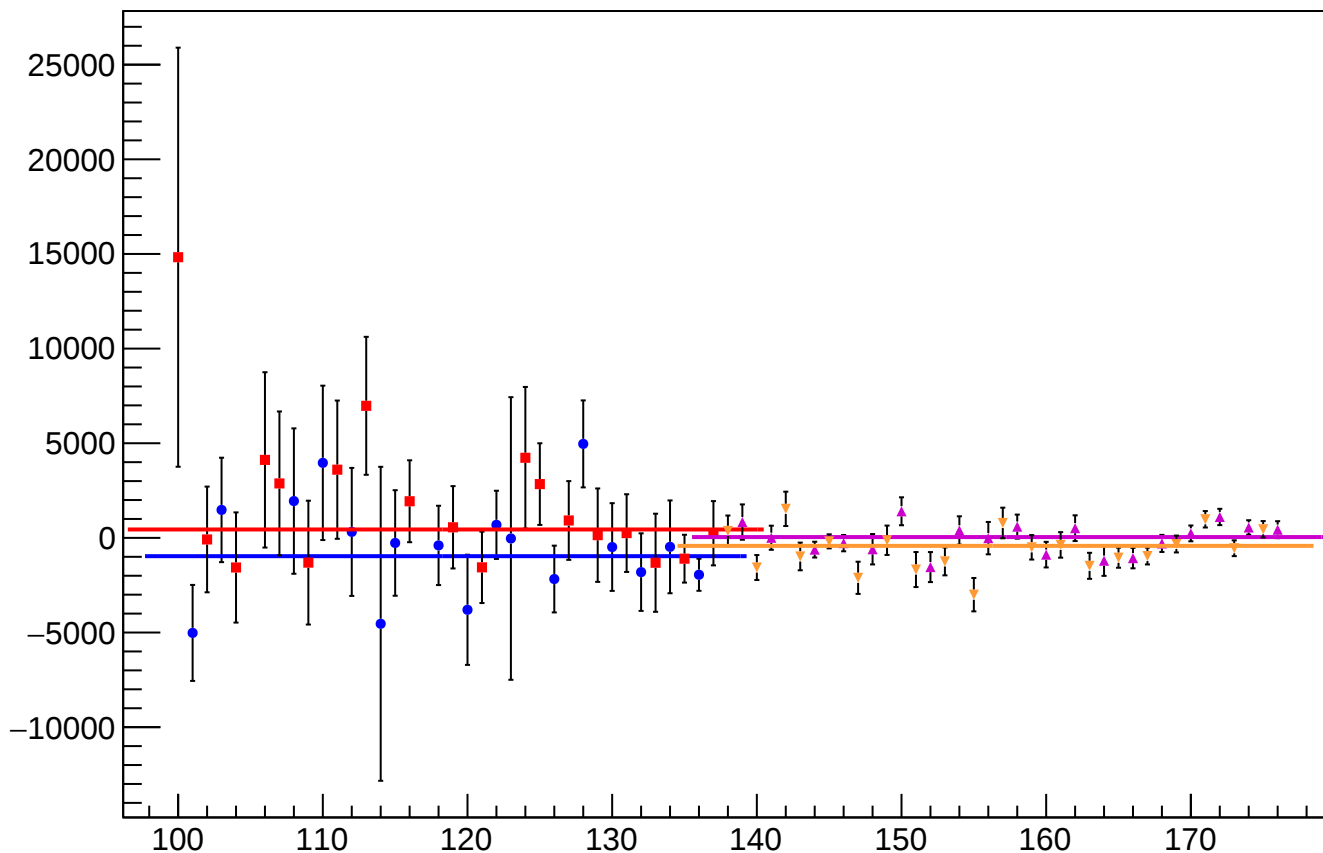
Right: 122.974 $\pm$ 0.025 χ^2 /NDF: 2455600.4/35

In: 84.451 $\pm$ 0.013 χ^2 /NDF: 3106072.3/35

Out: 85.741 $\pm$ 0.013 χ^2 /NDF: 3536546.5/38

All: 85.094 $\pm$ 0.010 χ^2 /NDF: 6647201.7/74

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -421.743+/-129.357 χ^2/NDF : 47.4/19

Right Out: 444.406+/-545.370 χ^2/NDF : 13.4/18

Left In: 42.909+/-126.450 χ^2/NDF : 31.2/18

Left: -184.138+/-90.424 χ^2/NDF : 85.3/38

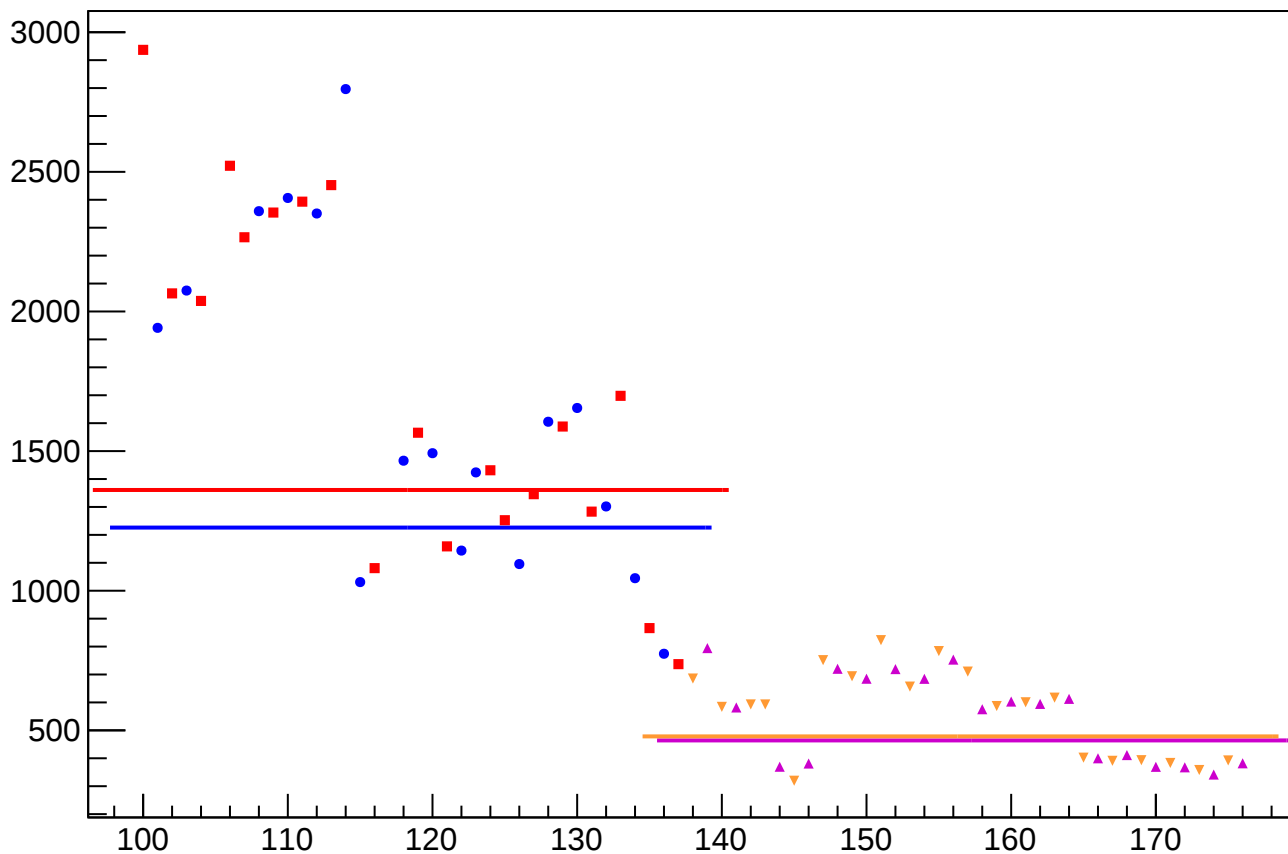
Right: -305.110+/-373.410 χ^2/NDF : 33.3/35

In: -15.054+/-122.766 χ^2/NDF : 51.3/35

Out: -375.609+/-125.865 χ^2/NDF : 63.2/38

All: -190.839+/-87.884 χ^2/NDF : 118.7/74

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 478.360+/-0.091 χ^2/NDF : 2525581.0/19

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

Left In: 463.944+/-0.089 χ^2/NDF : 2307948.0/18

Left: 470.988+/-0.064 χ^2/NDF : 4846232.5/38

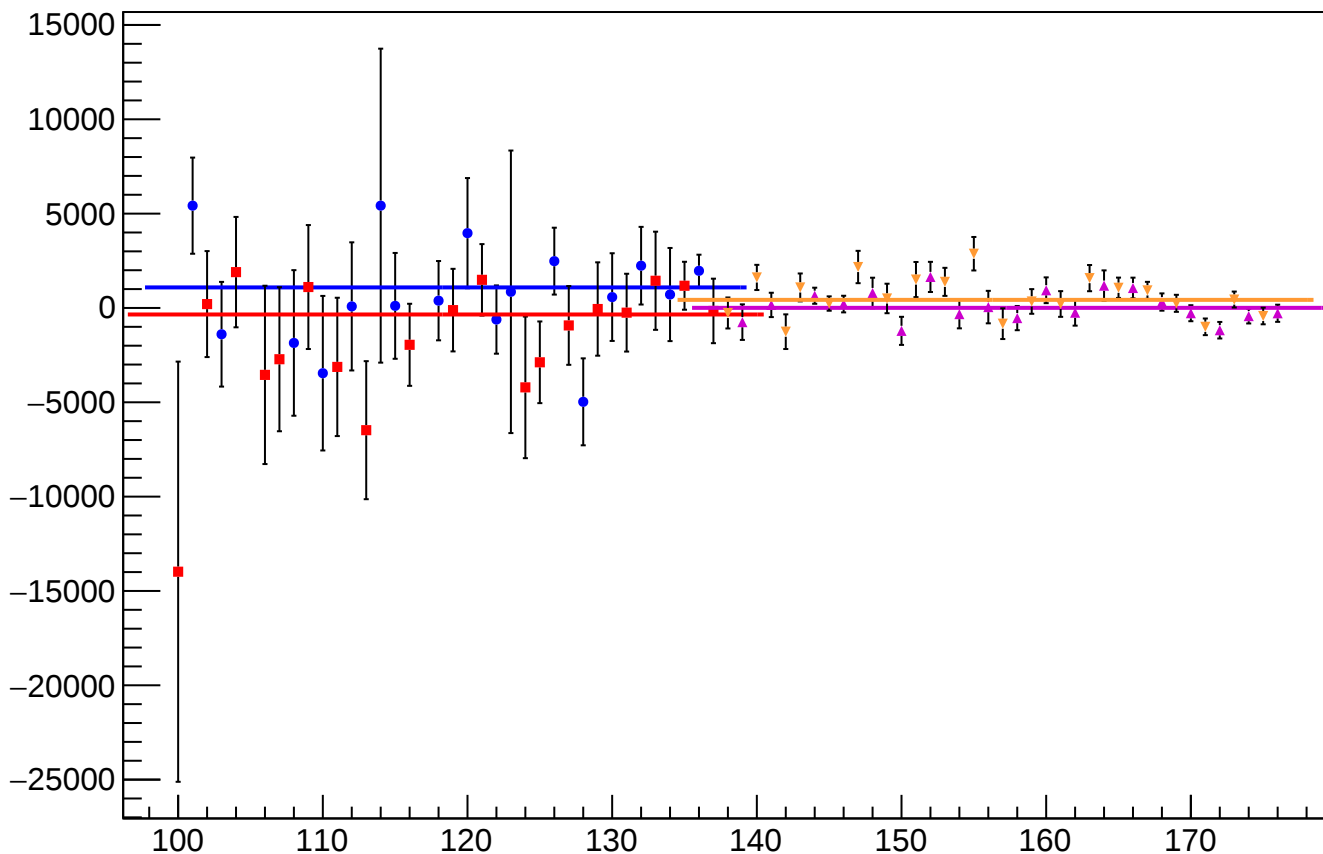
Right: 1289.252+/-0.264 χ^2/NDF : 3570145.2/35

In: 507.706+/-0.087 χ^2/NDF : 8236429.3/35

Out: 525.360+/-0.089 χ^2/NDF : 9231630.6/38

All: 516.313+/-0.062 χ^2/NDF : 17488223.2/74

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 428.881 $\pm$ 131.224 χ^2 /NDF:45.4/19

Right Out: -345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

Left In: 5.806 $\pm$ 128.353 χ^2 /NDF:29.6/18

Left: 212.665 $\pm$ 91.758 χ^2 /NDF: 80.3/38

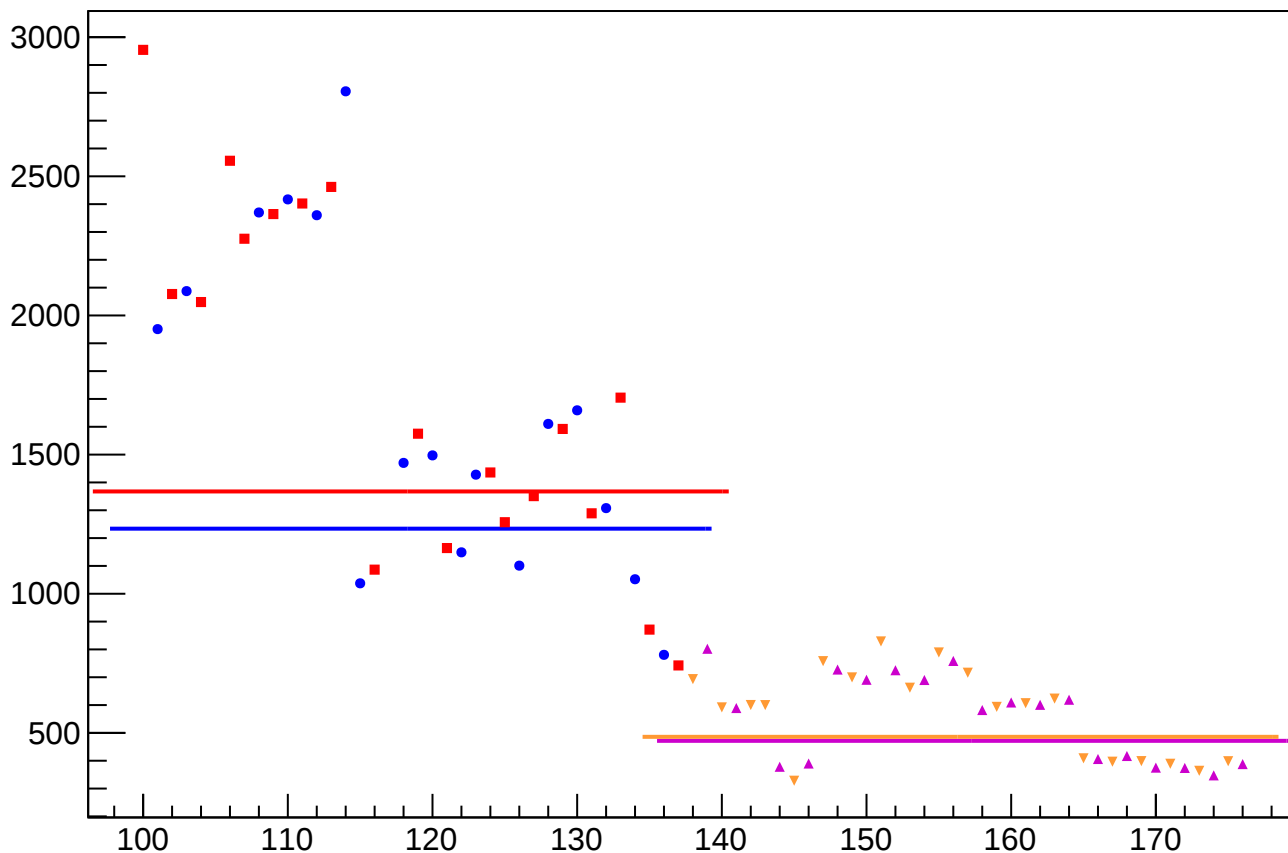
Right: 416.082 $\pm$ 375.451 χ^2 /NDF: 33.1/35

In: 69.095 $\pm$ 124.547 χ^2 /NDF:50.7/35

Out: 386.905 $\pm$ 127.619 χ^2 /NDF:59.8/38

All: 224.130 $\pm$ 89.134 χ^2 /NDF: 113.7/74

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 485.901+/-0.093 χ^2/NDF : 2458380.6/19

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

Left In: 471.480+/-0.091 χ^2/NDF : 2250747.2/18

Left: 478.531+/-0.065 χ^2/NDF : 4721472.1/38

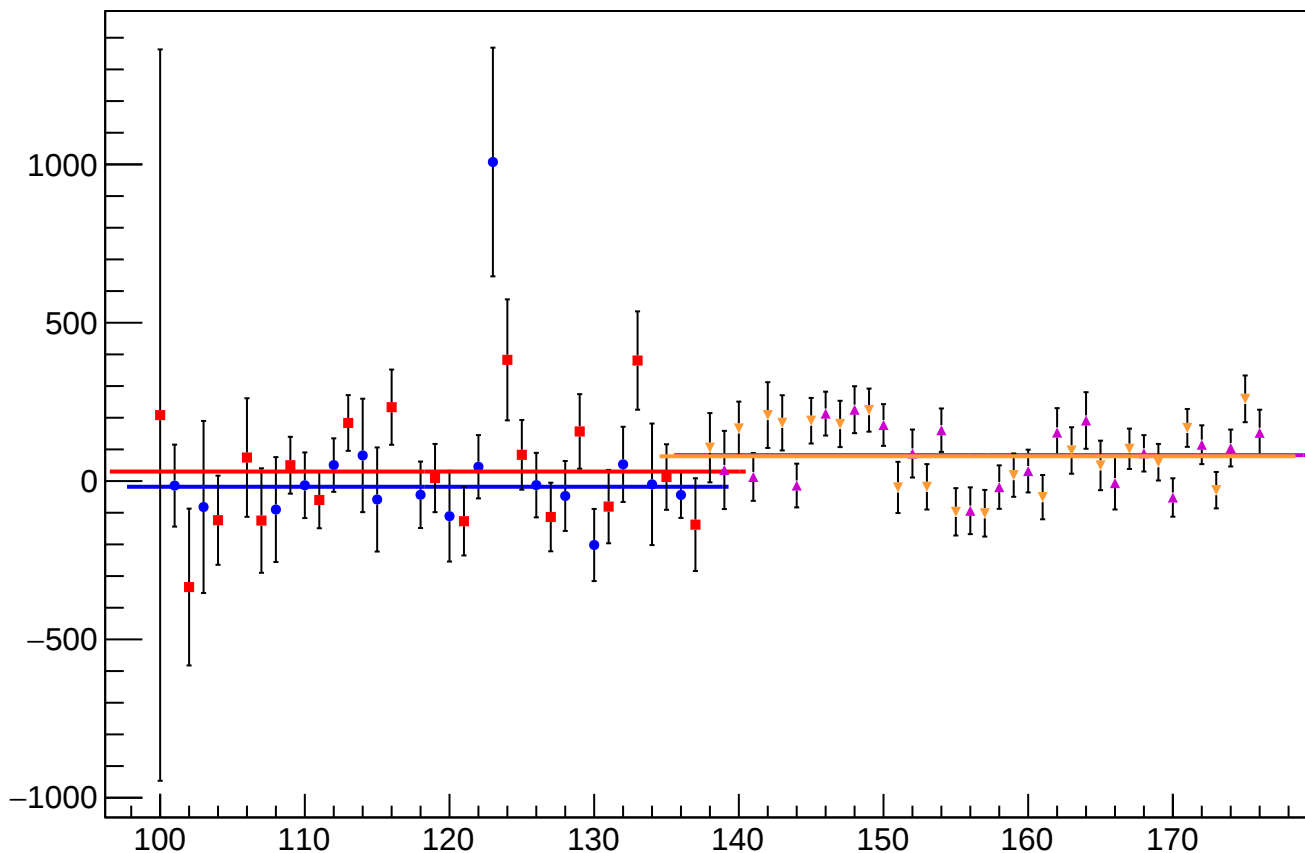
Right: 1296.600+/-0.265 χ^2/NDF : 3551849.9/35

In: 516.022+/-0.088 χ^2/NDF : 8117269.0/35

Out: 533.686+/-0.090 χ^2/NDF : 9096443.5/38

All: 524.639+/-0.063 χ^2/NDF : 17233336.4/74

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 78.355 ± 16.153 χ^2/NDF : 44.3/19

Right Out: 30.070 ± 27.976 χ^2/NDF : 27.4/18

Left In: 81.924 ± 16.149 χ^2/NDF : 31.7/18

Left: 80.140 ± 11.420 χ^2/NDF : 76.0/38

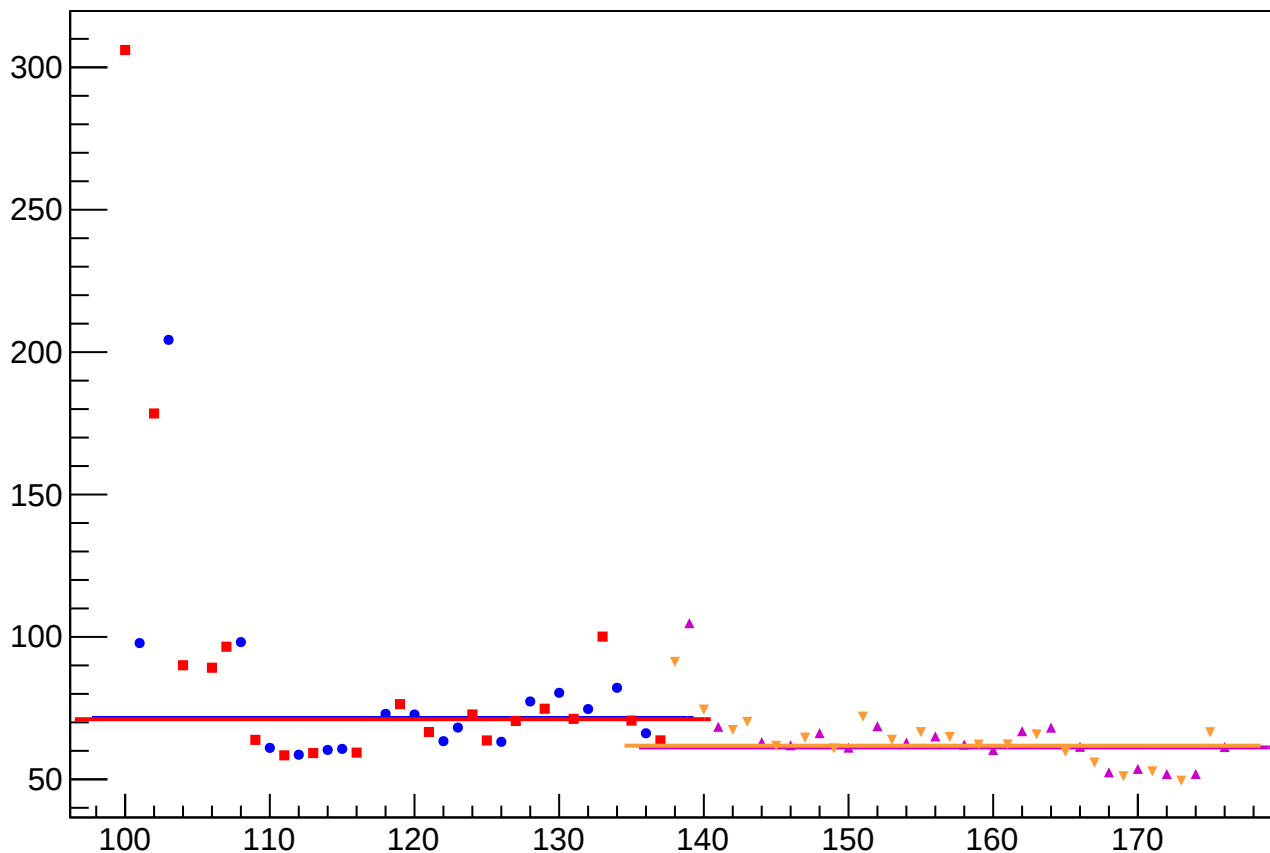
Right: 6.786 ± 20.083 χ^2/NDF : 42.2/35

In: 58.087 ± 14.092 χ^2/NDF : 54.3/35

Out: 66.284 ± 13.988 χ^2/NDF : 73.9/38

All: 62.216 ± 9.928 χ^2/NDF : 128.3/74

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 61.821 $\pm$ 0.011 χ^2 /NDF: 500761.8/19

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

Left In: 61.190 $\pm$ 0.011 χ^2 /NDF: 503825.7/18

Left: 61.505 $\pm$ 0.008 χ^2 /NDF: 1006109.9/38

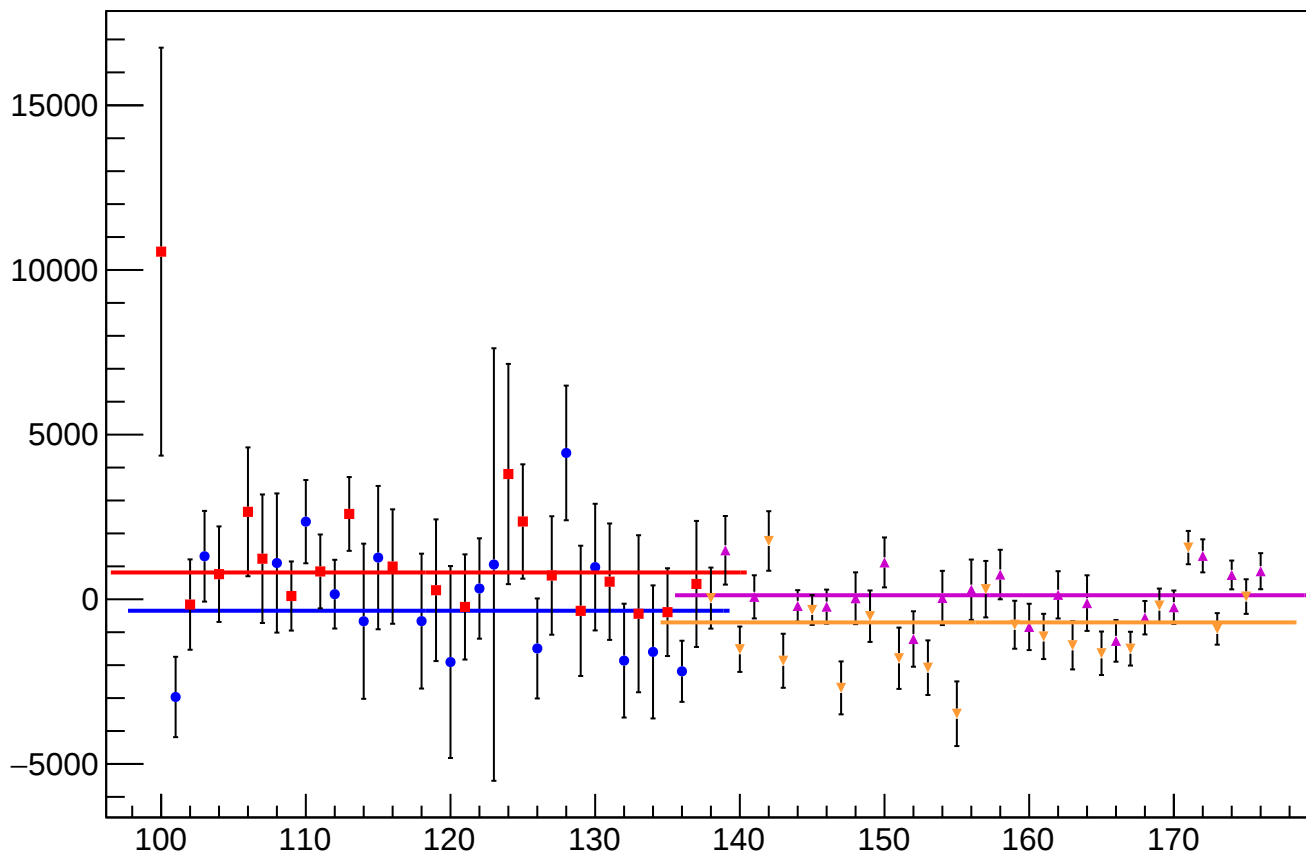
Right: 71.319 $\pm$ 0.014 χ^2 /NDF: 1524340.2/35

In: 63.659 $\pm$ 0.010 χ^2 /NDF: 1458627.6/35

Out: 64.144 $\pm$ 0.010 χ^2 /NDF: 1431474.4/38

All: 63.903 $\pm$ 0.007 χ^2 /NDF: 2891296.8/74

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939 ± 381.994 $\chi^2/\text{NDF}: 24.1/16$

Left Out: -701.694 ± 146.443 $\chi^2/\text{NDF}: 61.1/19$

Right Out: 814.154 ± 369.807 $\chi^2/\text{NDF}: 10.5/18$

Left In: 122.484 ± 143.239 $\chi^2/\text{NDF}: 26.1/18$

Left: -280.491 ± 102.400 $\chi^2/\text{NDF}: 103.4/38$

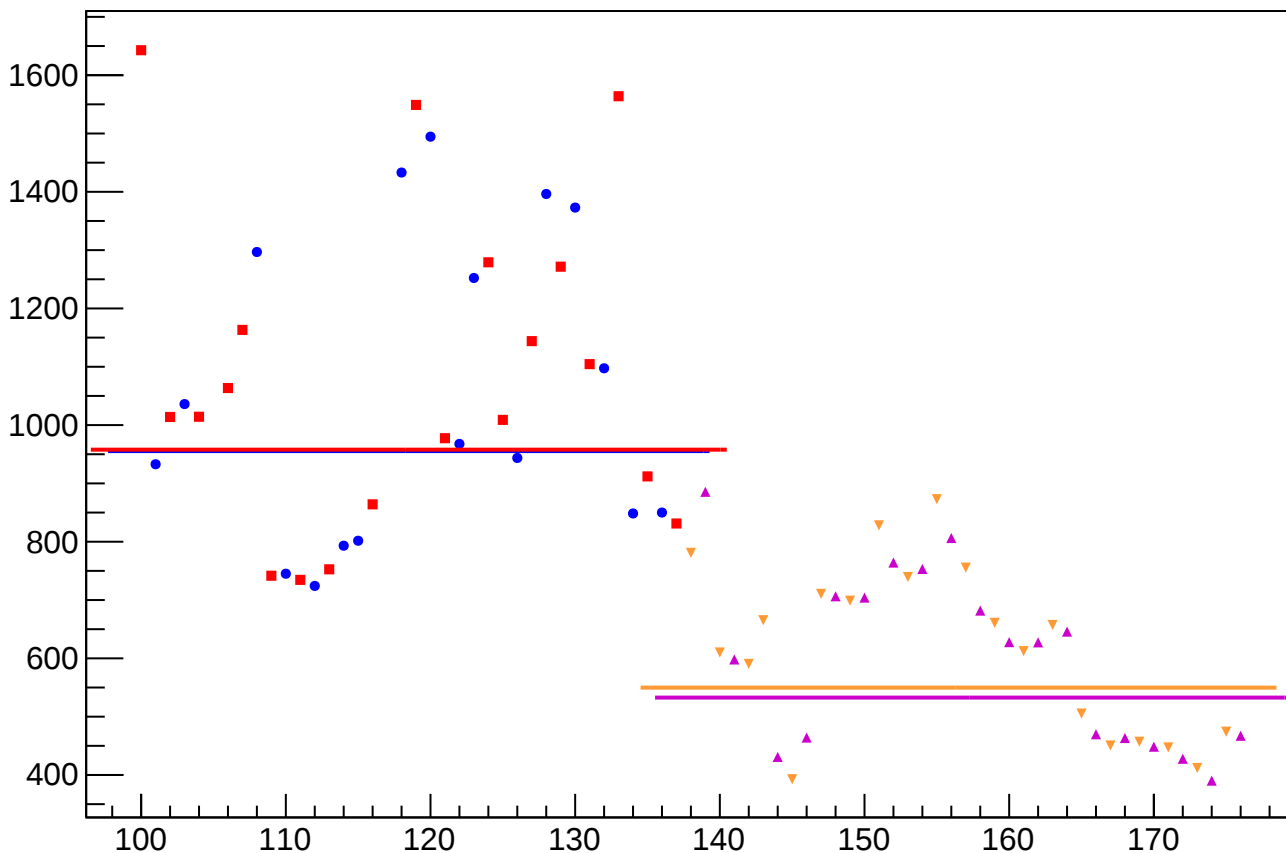
Right: 251.940 ± 265.697 $\chi^2/\text{NDF}: 39.3/35$

In: 64.492 ± 134.120 $\chi^2/\text{NDF}: 51.5/35$

Out: -496.209 ± 136.156 $\chi^2/\text{NDF}: 86.2/38$

All: -211.635 ± 95.549 $\chi^2/\text{NDF}: 146.3/74$

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 549.802 $\pm$ 0.104 χ^2 /NDF:1735279.8/19

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

Left In: 532.723 $\pm$ 0.101 χ^2 /NDF:1674943.8/18

Left: 541.074 $\pm$ 0.072 χ^2 /NDF: 3424126.4/38

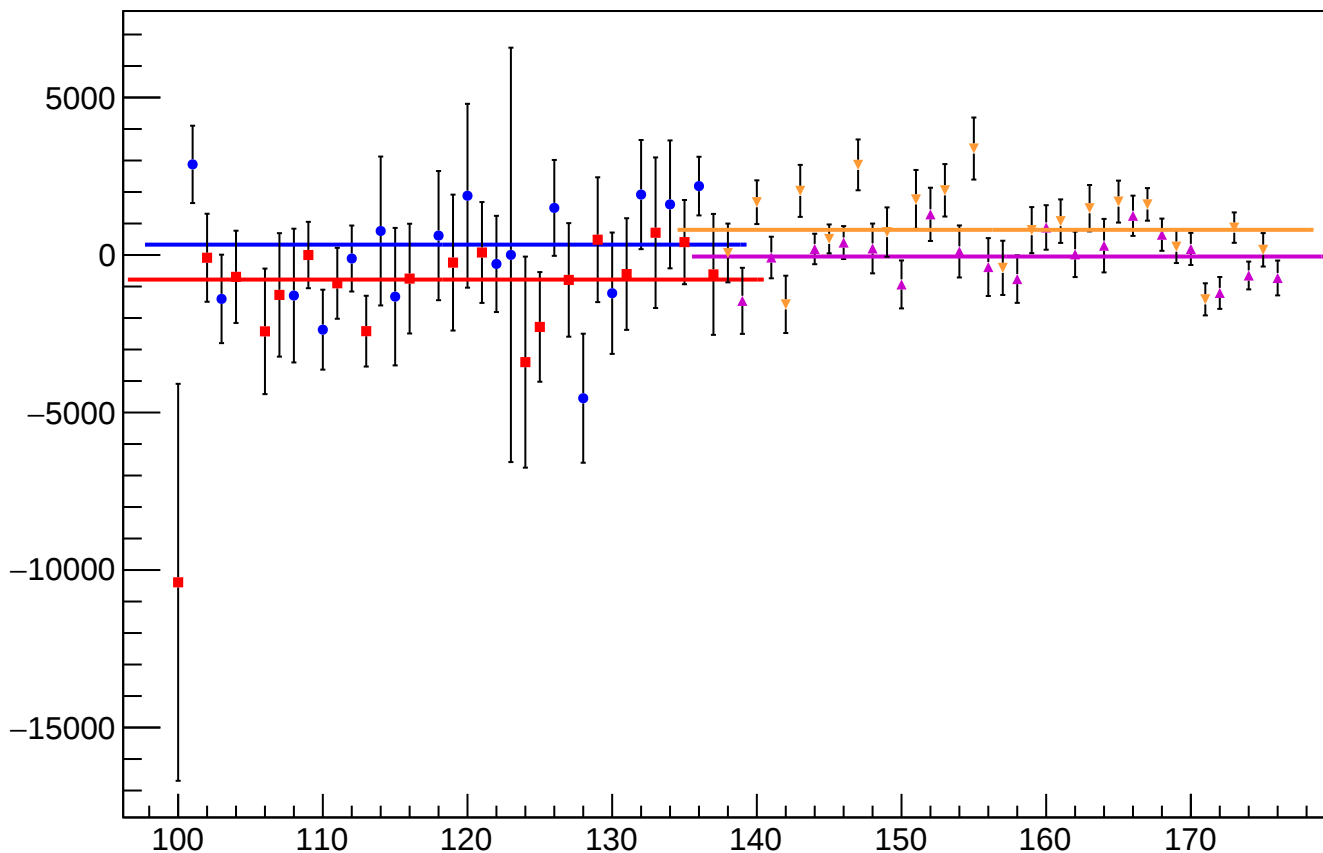
Right: 956.676 $\pm$ 0.188 χ^2 /NDF: 1339635.8/35

In: 584.832 $\pm$ 0.095 χ^2 /NDF:4468545.5/35

Out: 605.116 $\pm$ 0.096 χ^2 /NDF:4533273.5/38

All: 594.821 $\pm$ 0.068 χ^2 /NDF: 9024348.2/74

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164+/-383.728 χ^2/NDF : 24.3/16

Left Out: 799.593+/-147.480 χ^2/NDF :56.9/19

Right Out: -779.623+/-371.673 χ^2/NDF : 9.3/18

Left In: -48.052+/-144.297 χ^2/NDF :24.5/18

Left: 366.524+/-103.140 χ^2/NDF : 98.2/38

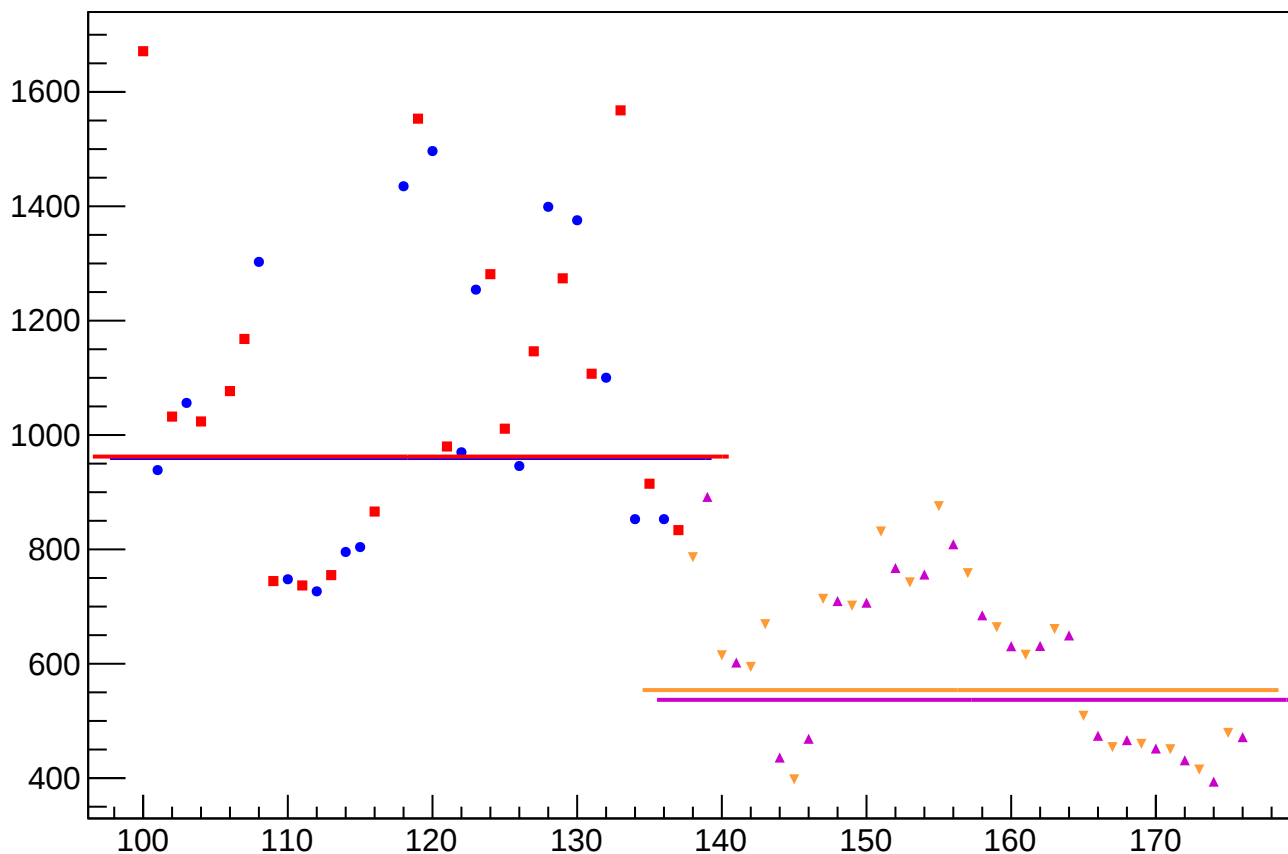
Right: -242.920+/-266.973 χ^2/NDF : 37.9/35

In: -1.320+/-135.063 χ^2/NDF :49.6/35

Out: 584.769+/-137.082 χ^2/NDF :81.8/38

All: 287.376+/-96.210 χ^2/NDF : 140.6/74

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 553.959 $\pm$ 0.104 χ^2 /NDF: 1707776.8/19

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

Left In: 536.911 $\pm$ 0.102 χ^2 /NDF: 1649736.4/18

Left: 545.249 $\pm$ 0.073 χ^2 /NDF: 3371166.4/38

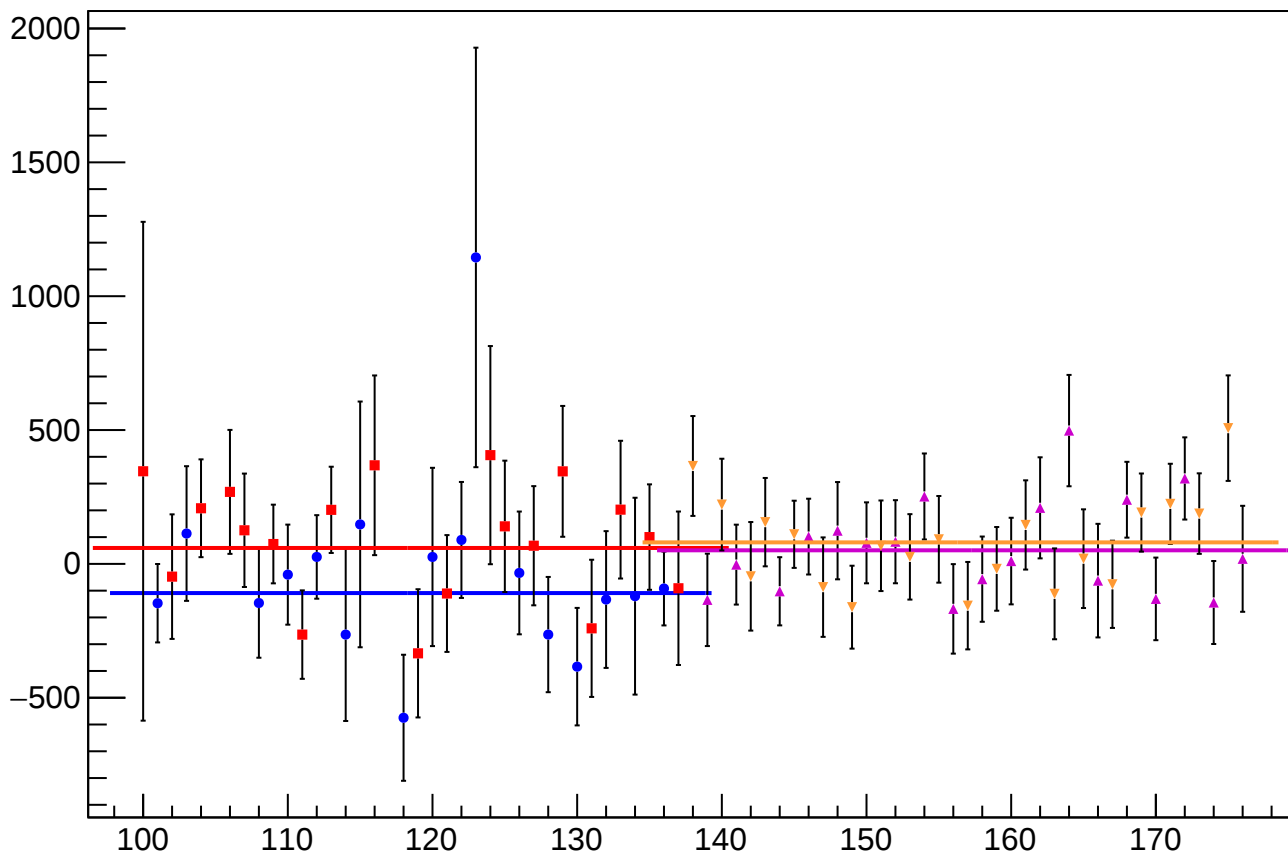
Right: 961.083 $\pm$ 0.189 χ^2 /NDF: 1342530.4/35

In: 589.298 $\pm$ 0.096 χ^2 /NDF: 4424284.2/35

Out: 609.508 $\pm$ 0.097 χ^2 /NDF: 4489379.5/38

All: 599.253 $\pm$ 0.068 χ^2 /NDF: 8935722.4/74

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 80.375 ± 36.561 χ^2/NDF : 18.7/19

Right Out: 59.475 ± 50.822 χ^2/NDF : 14.9/18

Left In: 50.729 ± 36.946 χ^2/NDF : 20.3/18

Left: 65.707 ± 25.988 χ^2/NDF : 39.4/38

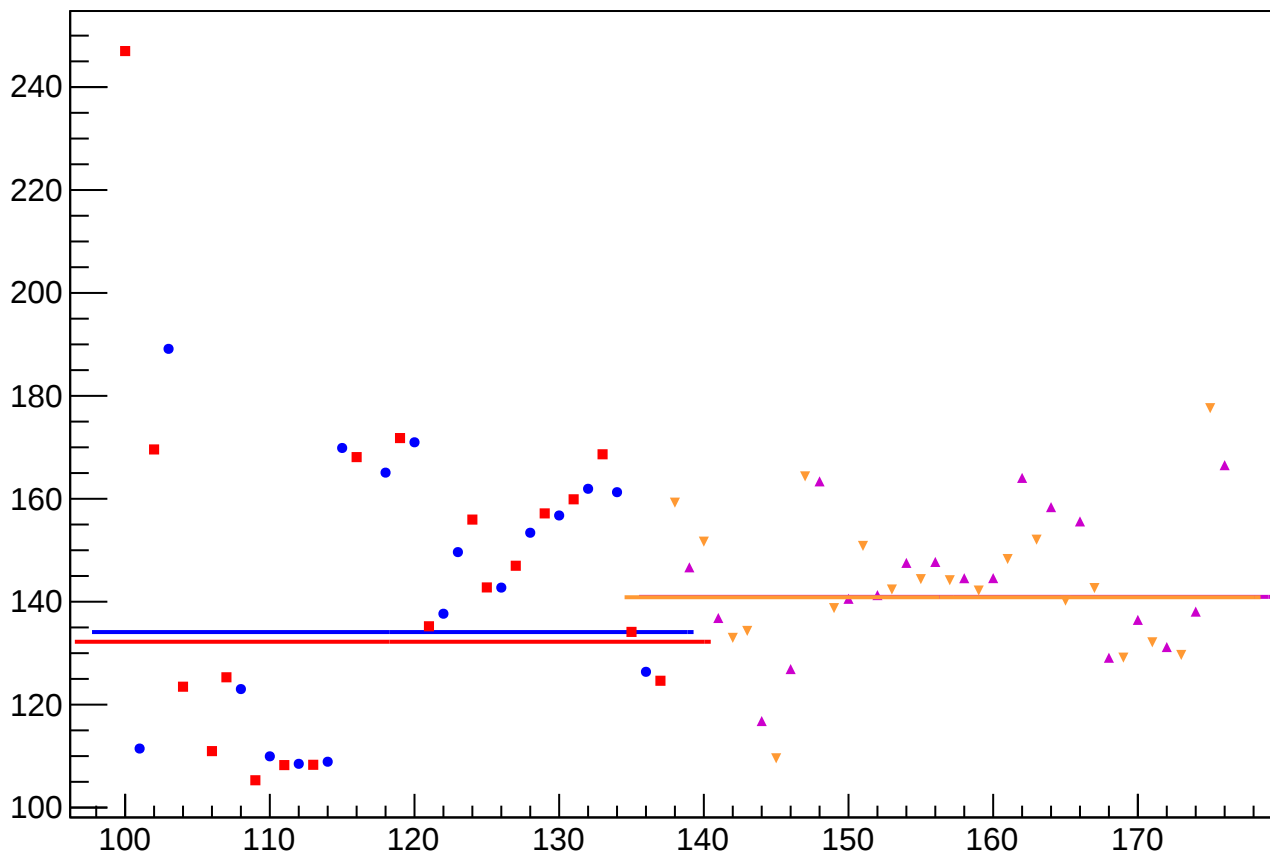
Right: -21.341 ± 36.657 χ^2/NDF : 32.2/35

In: -1.602 ± 30.294 χ^2/NDF : 38.5/35

Out: 73.247 ± 29.679 χ^2/NDF : 33.7/38

All: 36.591 ± 21.200 χ^2/NDF : 75.3/74

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: 140.867 $\pm$ 0.026 χ^2 /NDF:312672.9/19

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

Left In: 140.943 $\pm$ 0.026 χ^2 /NDF:245841.9/18

Left: 140.905 $\pm$ 0.018 χ^2 /NDF: 558519.0/38

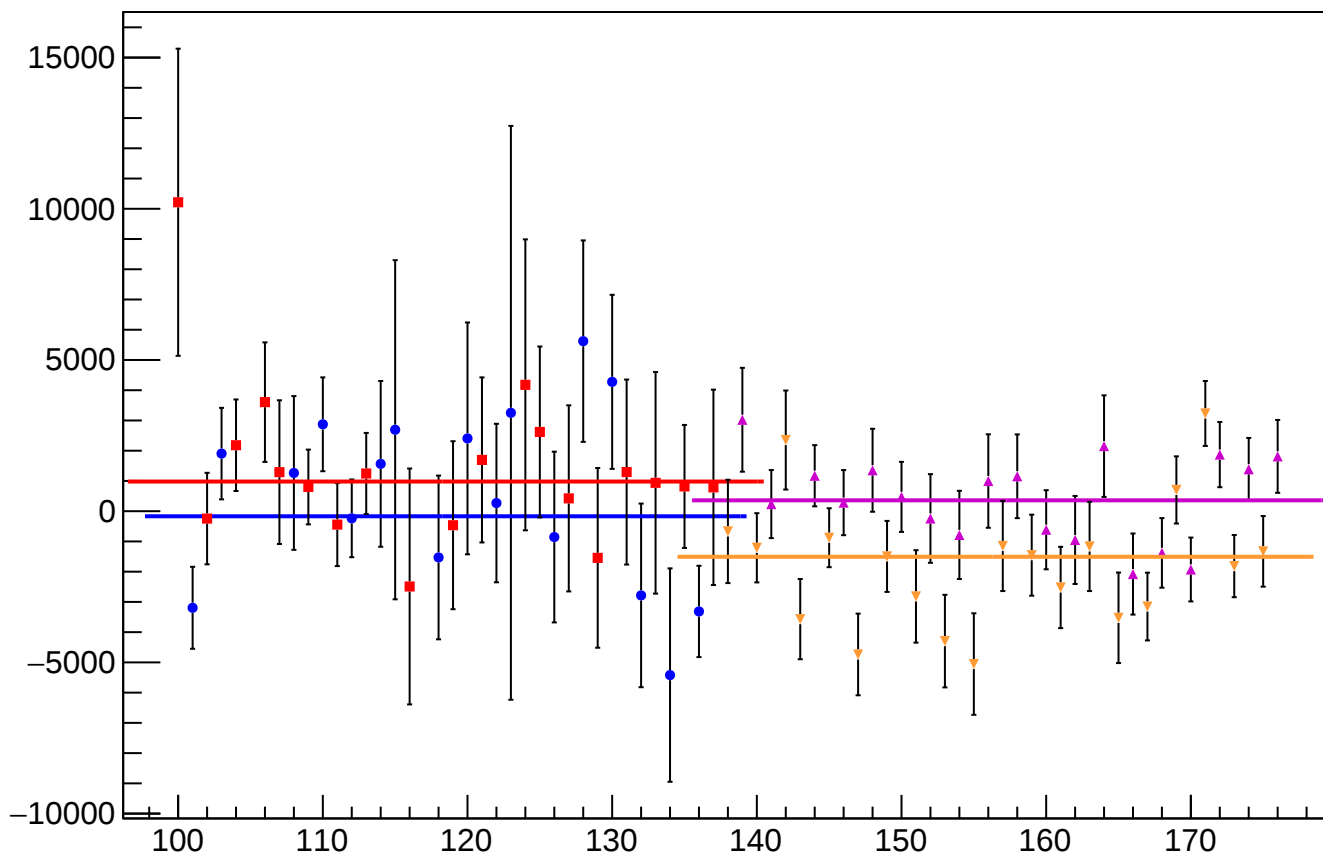
Right: 133.123 $\pm$ 0.026 χ^2 /NDF: 845638.9/35

In: 138.702 $\pm$ 0.021 χ^2 /NDF:670881.0/35

Out: 137.918 $\pm$ 0.021 χ^2 /NDF:792578.6/38

All: 138.302 $\pm$ 0.015 χ^2 /NDF: 1464142.4/74

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: -1508.120 $\pm$ 286.224 χ^2 /NDF:51.2/19

Right Out: 980.517 $\pm$ 480.968 χ^2 /NDF: 10.2/18

Left In: 359.061 $\pm$ 286.043 χ^2 /NDF:22.1/18

Left: -573.939 $\pm$ 202.327 χ^2 /NDF: 94.5/38

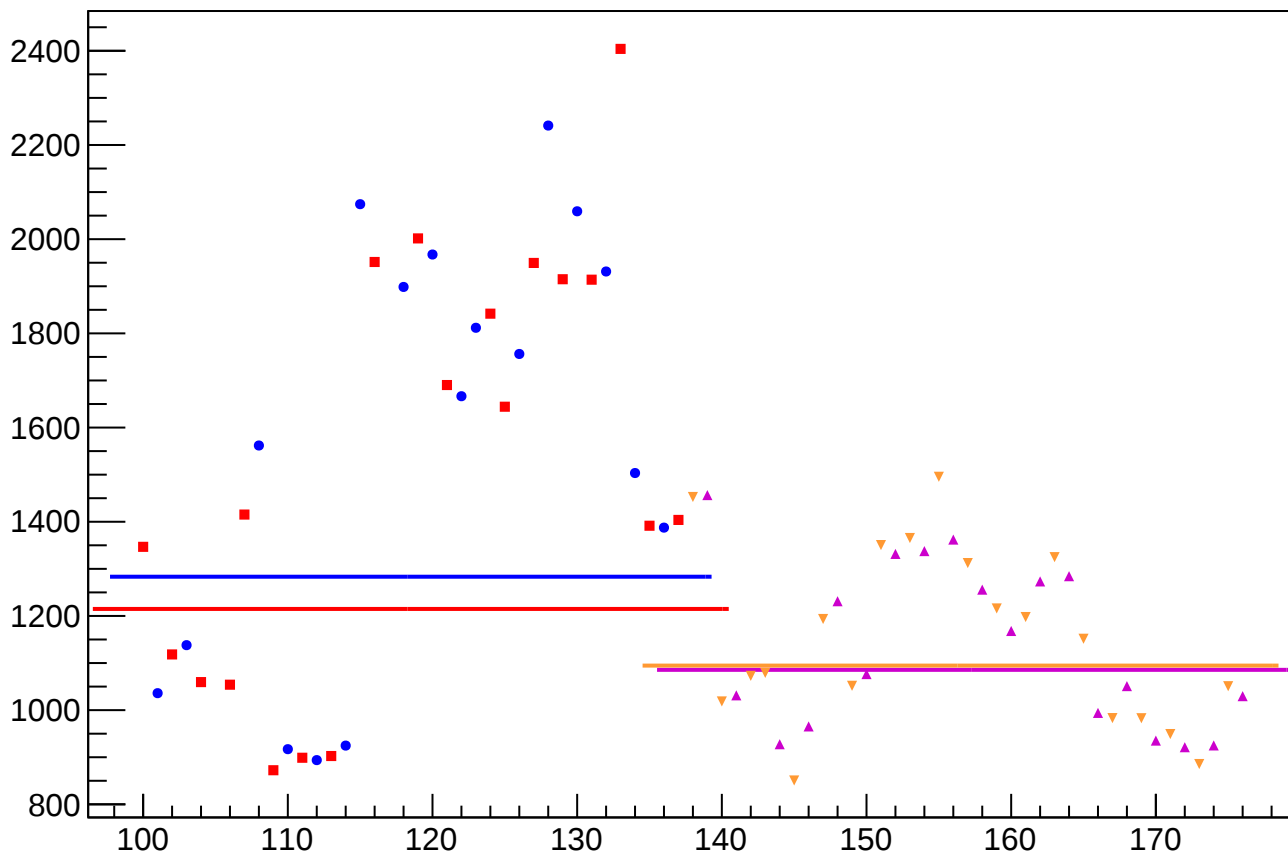
Right: 454.882 $\pm$ 354.232 χ^2 /NDF: 38.1/35

In: 237.889 $\pm$ 251.035 χ^2 /NDF:48.2/35

Out: -857.276 $\pm$ 245.965 χ^2 /NDF:81.1/38

All: -320.863 $\pm$ 175.689 χ^2 /NDF: 139.0/74

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: 1094.581 $\pm$ 0.202 χ^2 /NDF: 753448.7/19

Right Out: 1214.883 $\pm$ 0.340 χ^2 /NDF: 1360860.3/18

Left In: 1085.559 $\pm$ 0.202 χ^2 /NDF: 624470.0/18

Left: 1090.067 $\pm$ 0.143 χ^2 /NDF: 1378912.9/38

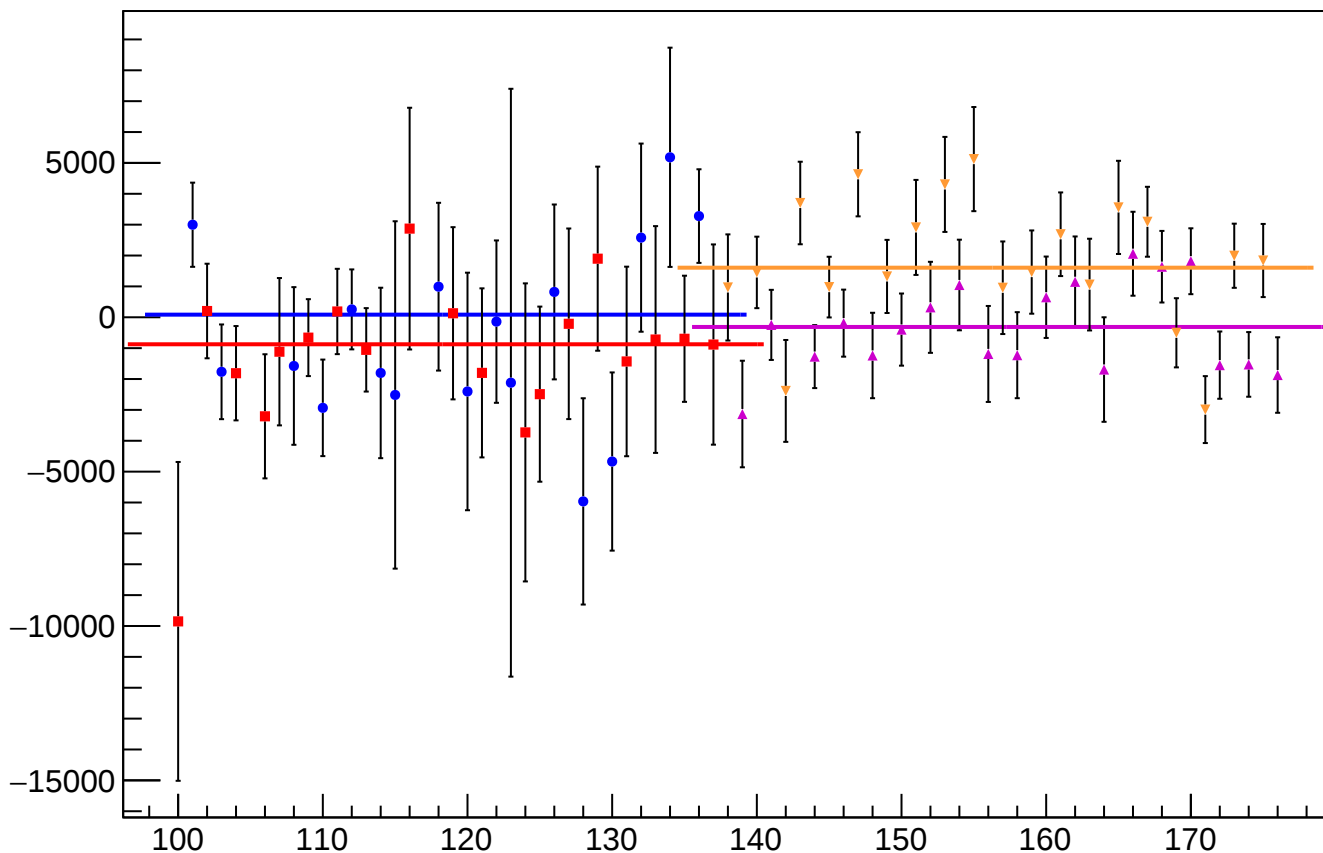
Right: 1246.197 $\pm$ 0.250 χ^2 /NDF: 2548819.1/35

In: 1131.004 $\pm$ 0.178 χ^2 /NDF: 2013579.9/35

Out: 1126.043 $\pm$ 0.174 χ^2 /NDF: 2206709.8/38

All: 1128.473 $\pm$ 0.124 χ^2 /NDF: 4220688.2/74

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 ± 527.082 $\chi^2/\text{NDF}: 24.7/16$

Left Out: 1606.291 ± 288.774 $\chi^2/\text{NDF}: 48.1/19$

Right Out: -874.592 ± 484.647 $\chi^2/\text{NDF}: 8.7/18$

Left In: -313.661 ± 288.642 $\chi^2/\text{NDF}: 22.1/18$

Left: 645.877 ± 204.147 $\chi^2/\text{NDF}: 92.3/38$

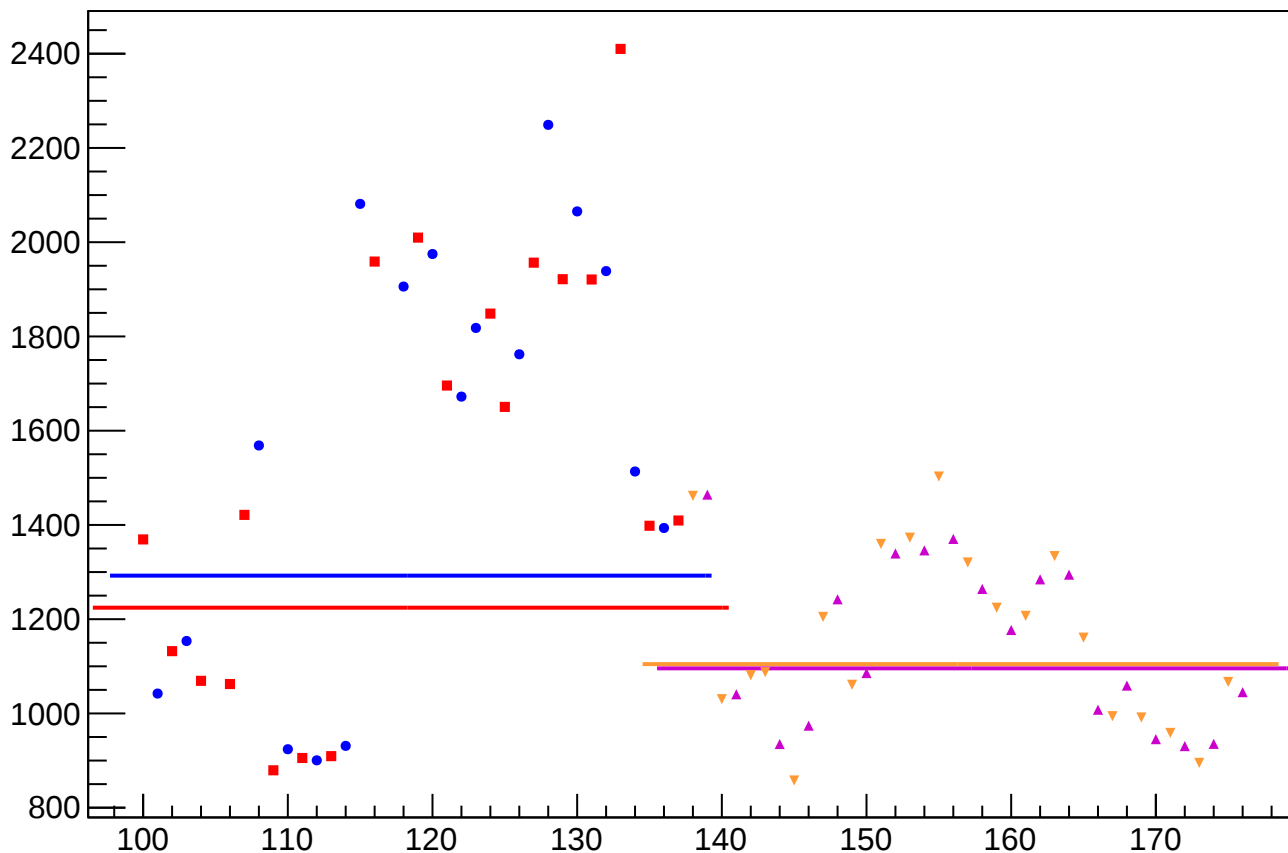
Right: -434.939 ± 356.757 $\chi^2/\text{NDF}: 35.2/35$

In: -221.670 ± 253.166 $\chi^2/\text{NDF}: 47.2/35$

Out: 956.278 ± 248.075 $\chi^2/\text{NDF}: 76.1/38$

All: 379.267 ± 177.188 $\chi^2/\text{NDF}: 134.4/74$

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1104.639+/-0.204 χ^2/NDF : 740319.0/19

Right Out: 1224.429+/-0.343 χ^2/NDF : 1345748.2/18

Left In: 1095.687+/-0.204 χ^2/NDF : 612106.2/18

Left: 1100.161+/-0.144 χ^2/NDF : 1353386.8/38

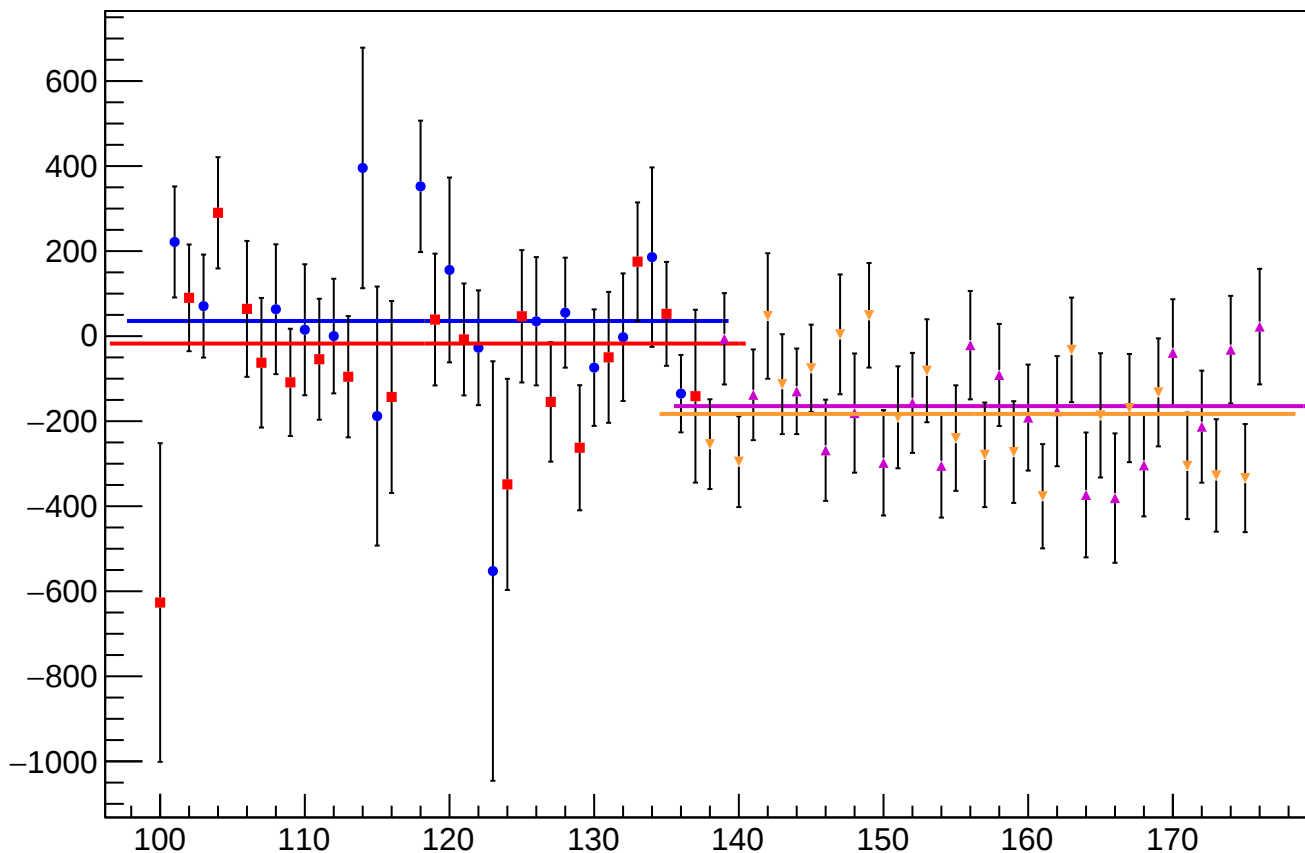
Right: 1255.580+/-0.252 χ^2/NDF : 2520360.3/35

In: 1141.075+/-0.179 χ^2/NDF : 1983044.3/35

Out: 1136.025+/-0.175 χ^2/NDF : 2176238.9/38

All: 1138.499+/-0.125 χ^2/NDF : 4159689.1/74

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 $\pm$ 36.350 χ^2 /NDF: 15.3/16

Left Out: -182.967 $\pm$ 27.400 χ^2 /NDF:20.6/19

Right Out: -17.418 $\pm$ 34.691 χ^2 /NDF: 18.9/18

Left In: -164.564 $\pm$ 28.278 χ^2 /NDF:16.8/18

Left: -174.055 $\pm$ 19.678 χ^2 /NDF: 37.6/38

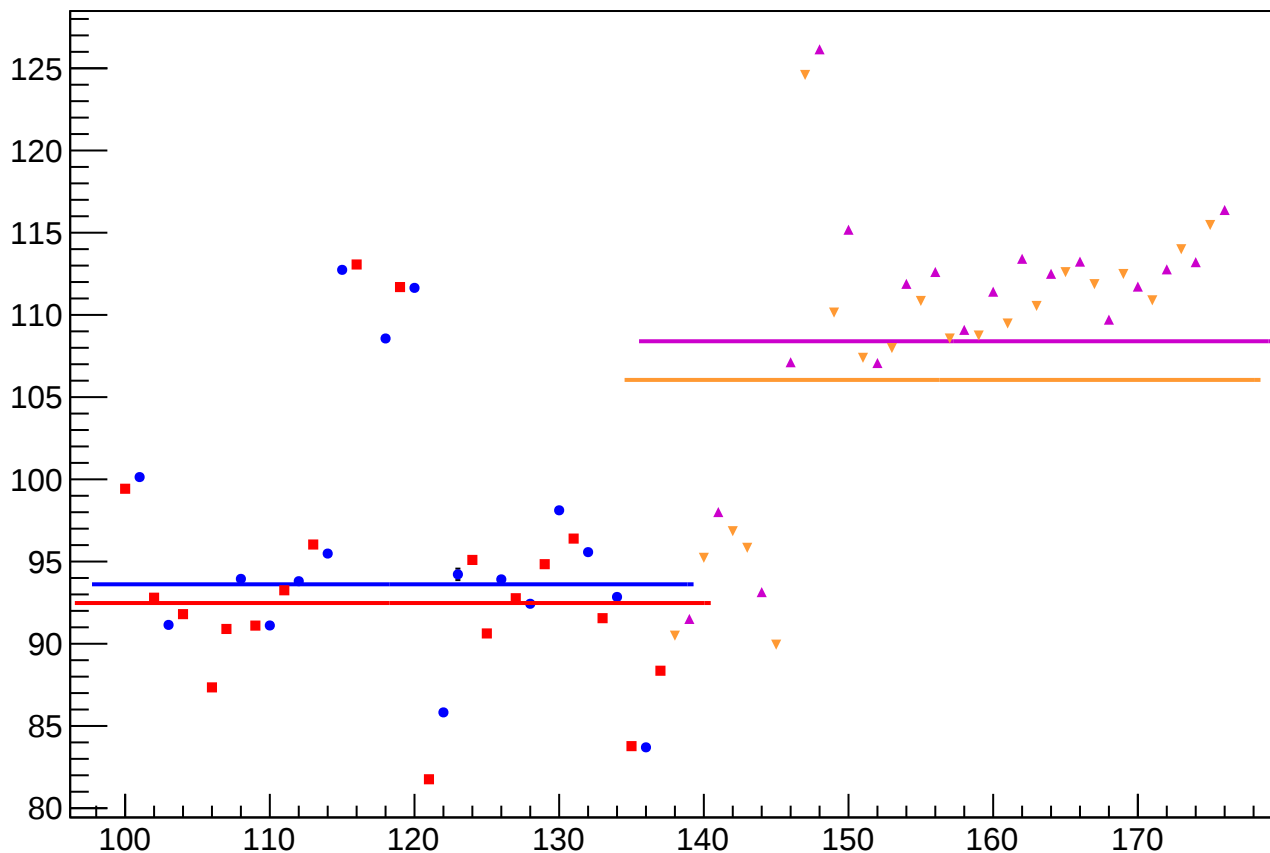
Right: 7.891 $\pm$ 25.096 χ^2 /NDF: 35.3/35

In: -89.068 $\pm$ 22.320 χ^2 /NDF:51.0/35

Out: -119.366 $\pm$ 21.502 χ^2 /NDF:53.5/38

All: -104.782 $\pm$ 15.485 χ^2 /NDF: 105.5/74

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 106.047+/-0.019 χ^2/NDF : 217323.7/19

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

Left In: 108.398+/-0.020 χ^2/NDF : 178190.3/18

Left: 107.185+/-0.014 χ^2/NDF : 402646.3/38

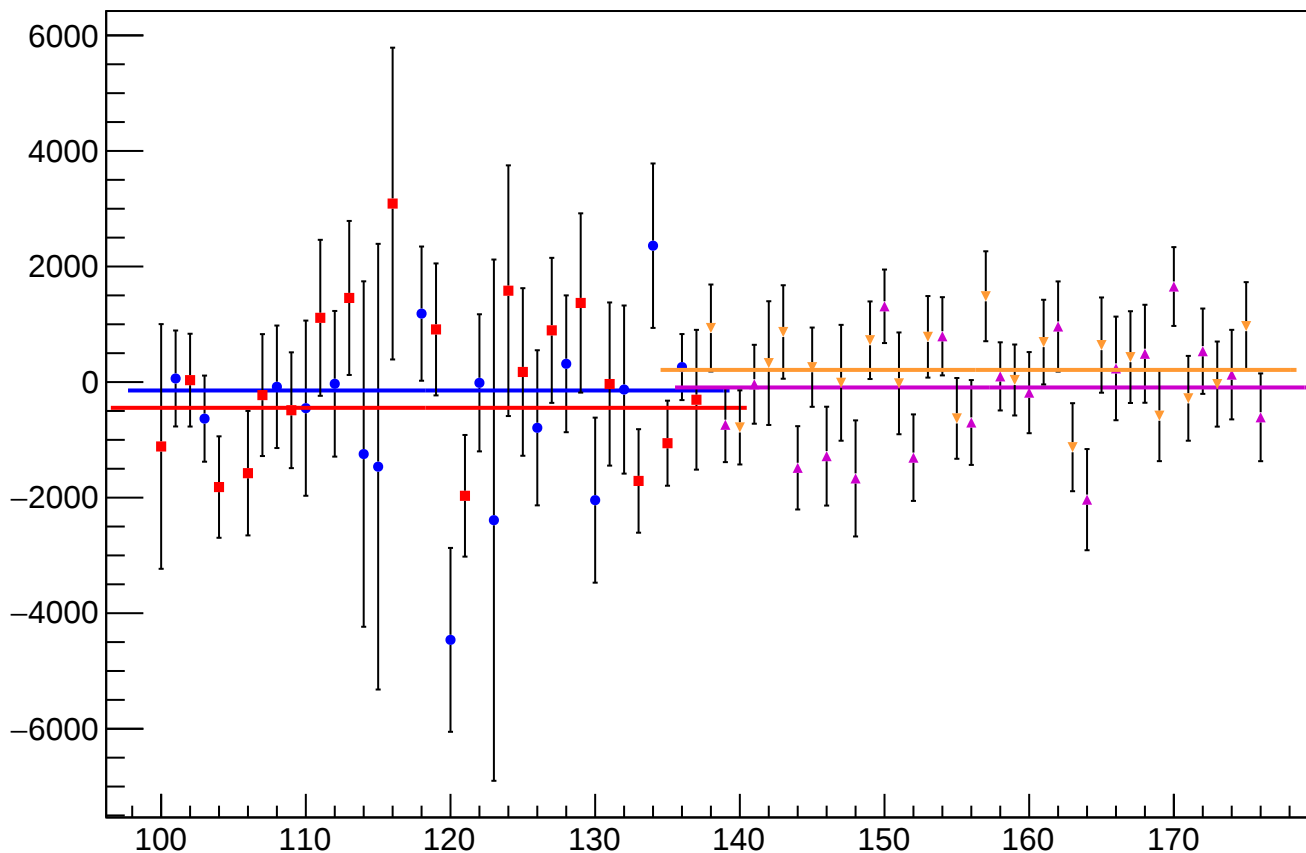
Right: 93.020+/-0.018 χ^2/NDF : 159546.8/35

In: 102.825+/-0.016 χ^2/NDF : 464159.3/35

Out: 100.833+/-0.015 χ^2/NDF : 484353.3/38

All: 101.792+/-0.011 χ^2/NDF : 956769.7/74

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: 210.581 $\pm$ 168.382 χ^2 /NDF:16.0/19

Right Out: -445.575 $\pm$ 260.276 χ^2 /NDF: 19.0/18

Left In: -93.179 $\pm$ 169.086 χ^2 /NDF:34.3/18

Left: 59.335 $\pm$ 119.312 χ^2 /NDF: 51.9/38

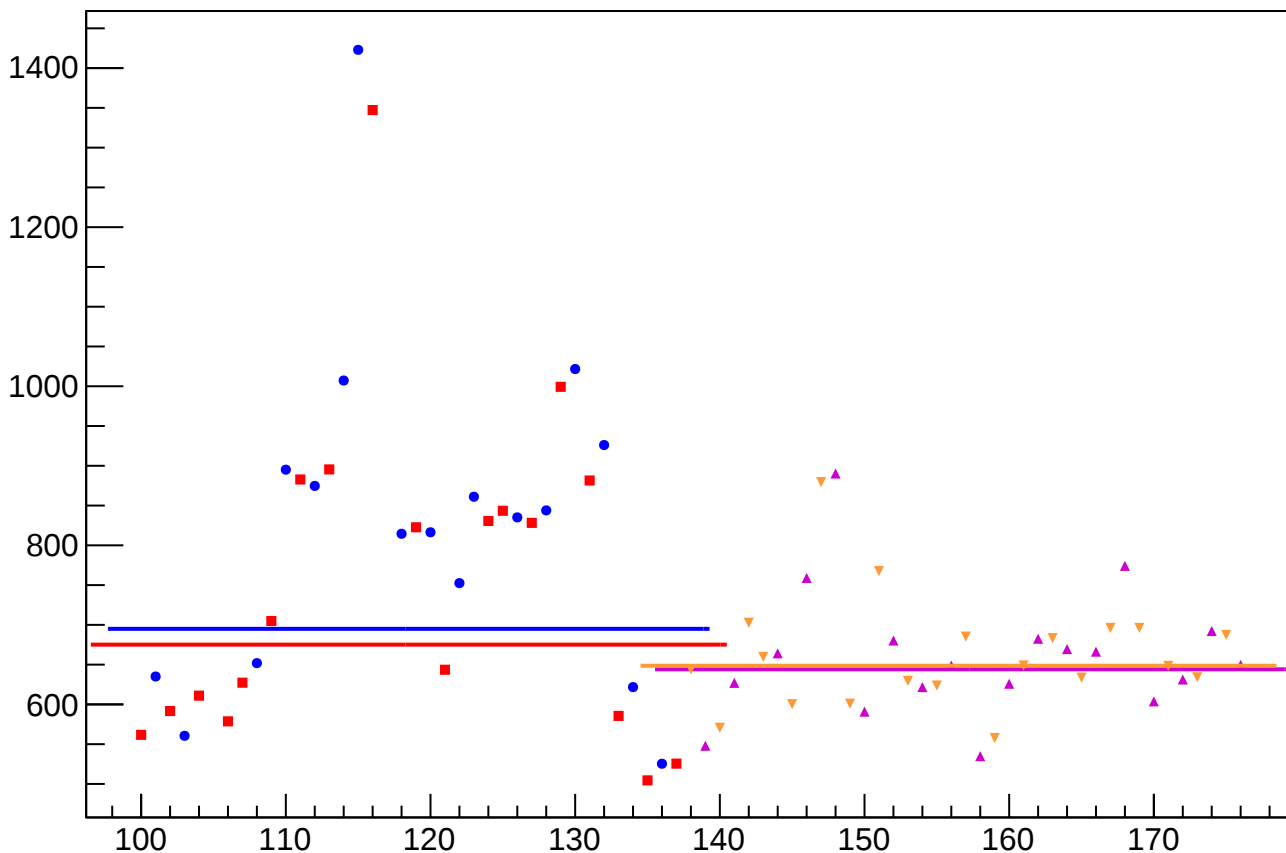
Right: -304.652 $\pm$ 189.560 χ^2 /NDF: 35.1/35

In: -107.400 $\pm$ 144.270 χ^2 /NDF:49.8/35

Out: 16.987 $\pm$ 141.376 χ^2 /NDF:39.5/38

All: -43.947 $\pm$ 100.975 χ^2 /NDF: 89.7/74

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 648.664 $\pm$ 0.119 χ^2 /NDF: 275184.7/19

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

Left In: 644.151 $\pm$ 0.120 χ^2 /NDF: 364195.4/18

Left: 646.417 $\pm$ 0.084 χ^2 /NDF: 640095.7/38

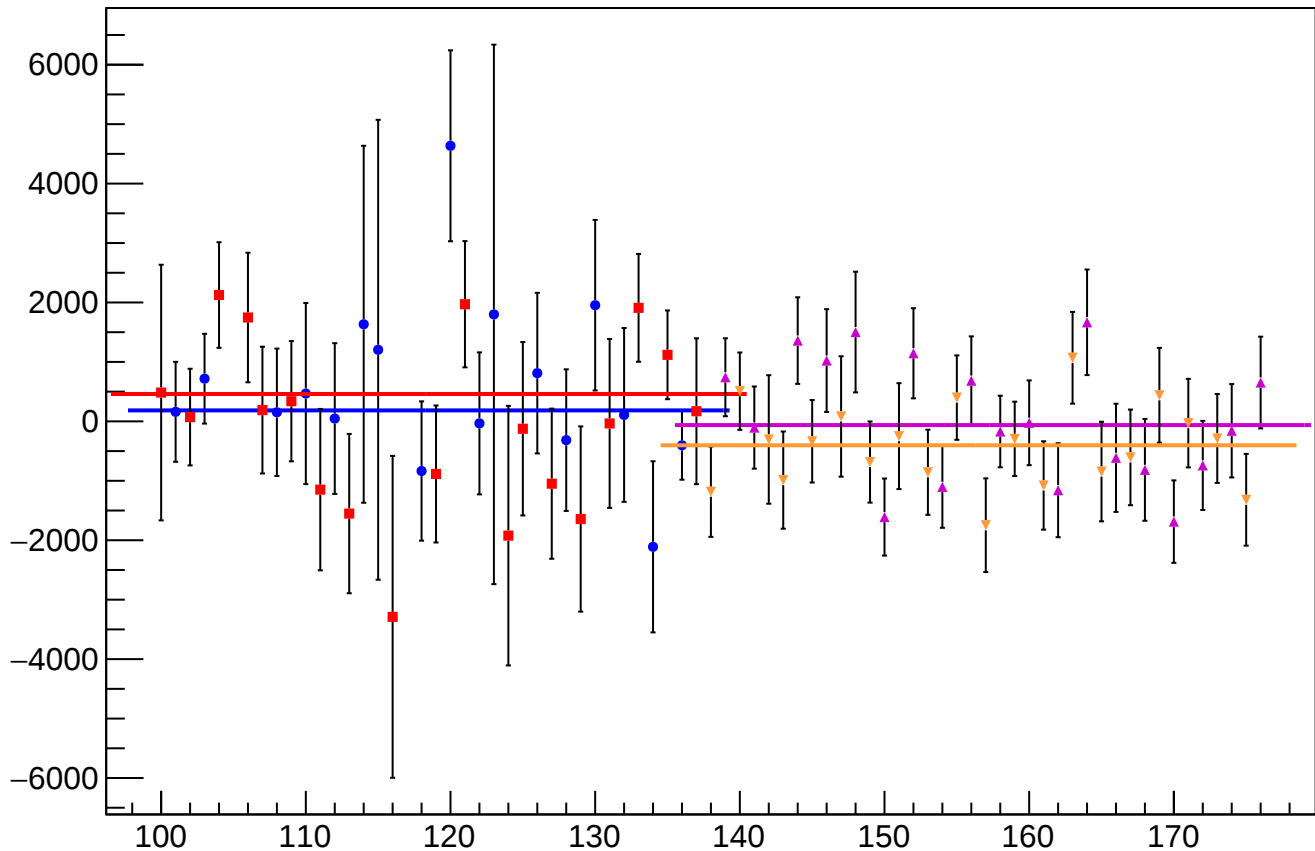
Right: 684.478 $\pm$ 0.134 χ^2 /NDF: 1359576.7/35

In: 657.985 $\pm$ 0.102 χ^2 /NDF: 1091132.2/35

Out: 656.479 $\pm$ 0.100 χ^2 /NDF: 966179.4/38

All: 657.217 $\pm$ 0.071 χ^2 /NDF: 2057422.7/74

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -402.710 $\pm$ 170.733 χ^2 /NDF:16.2/19

Right Out: 460.174 $\pm$ 262.960 χ^2 /NDF: 22.3/18

Left In: -62.778 $\pm$ 171.585 χ^2 /NDF:34.9/18

Left: -233.590 $\pm$ 121.026 χ^2 /NDF: 53.0/38

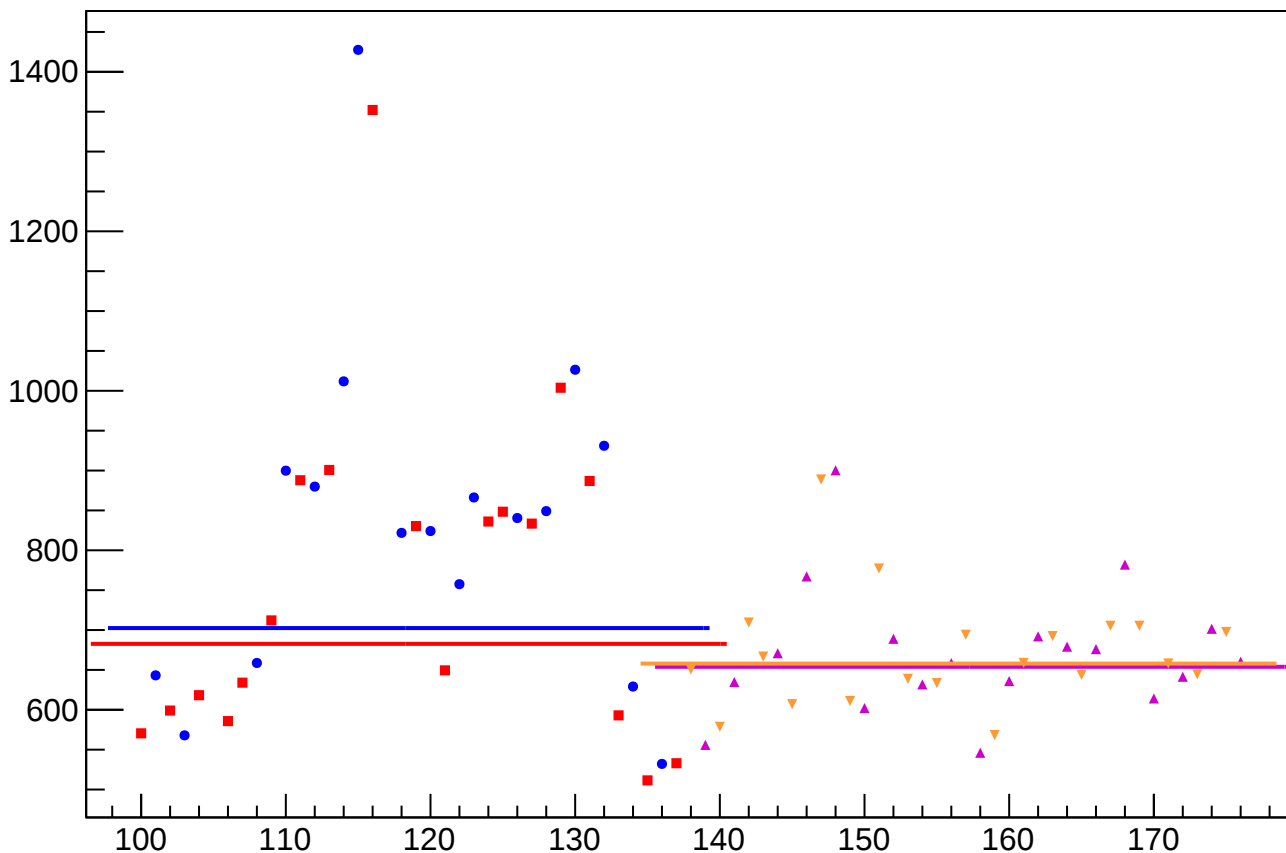
Right: 330.689 $\pm$ 191.486 χ^2 /NDF: 37.7/35

In: 4.949 $\pm$ 146.213 χ^2 /NDF:50.4/35

Out: -146.826 $\pm$ 143.197 χ^2 /NDF:46.1/38

All: -72.520 $\pm$ 102.305 χ^2 /NDF: 97.0/74

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 657.918 $\pm$ 0.121 χ^2 /NDF: 268145.6/19

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

Left In: 653.905 $\pm$ 0.121 χ^2 /NDF: 350779.7/18

Left: 655.922 $\pm$ 0.086 χ^2 /NDF: 619475.1/38

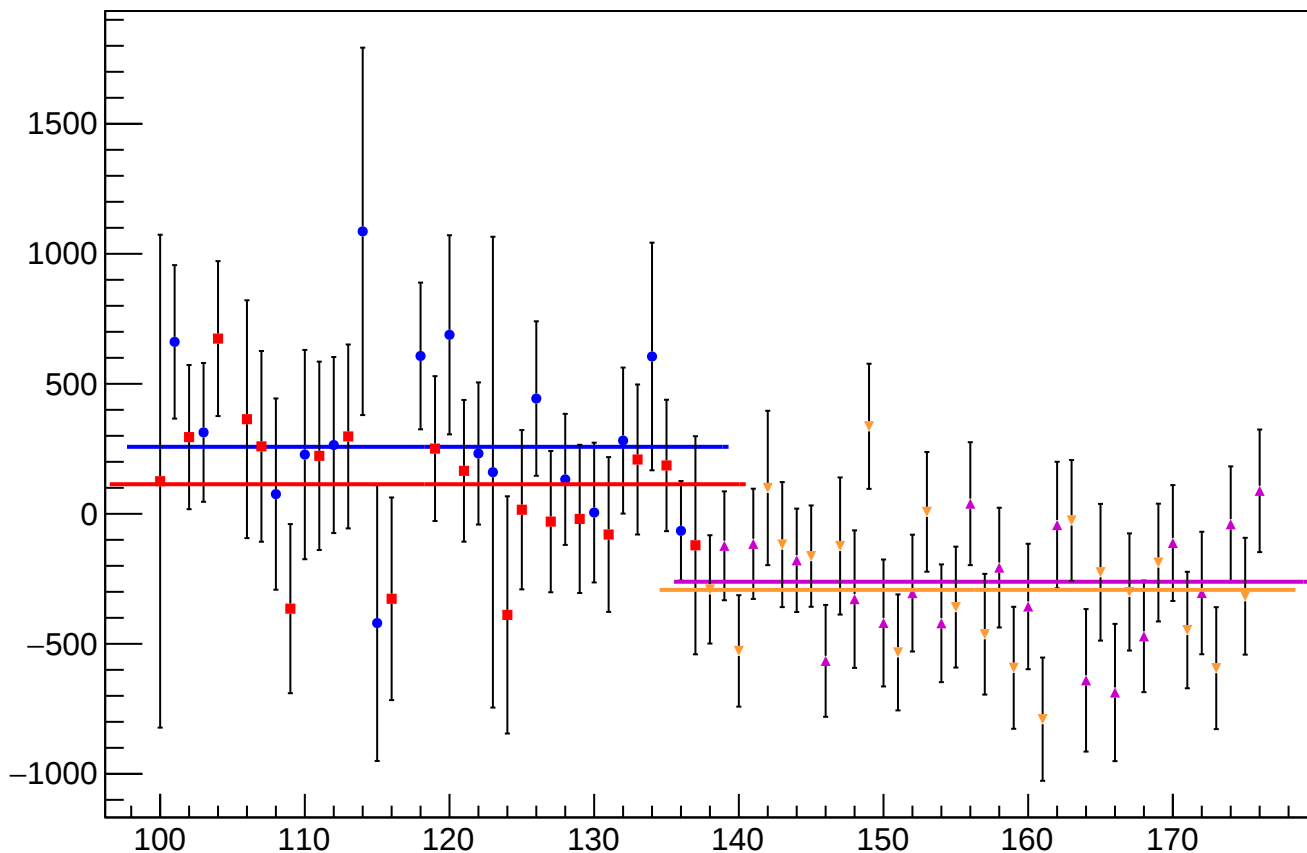
Right: 691.966 $\pm$ 0.135 χ^2 /NDF: 1325377.5/35

In: 667.205 $\pm$ 0.103 χ^2 /NDF: 1055183.0/35

Out: 665.256 $\pm$ 0.101 χ^2 /NDF: 940124.2/38

All: 666.210 $\pm$ 0.072 χ^2 /NDF: 1995488.7/74

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: -292.445 $\pm$ 51.742 χ^2 /NDF:24.4/19

Right Out: 113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

Left In: -261.211 $\pm$ 52.782 χ^2 /NDF:15.9/18

Left: -277.139 $\pm$ 36.949 χ^2 /NDF: 40.5/38

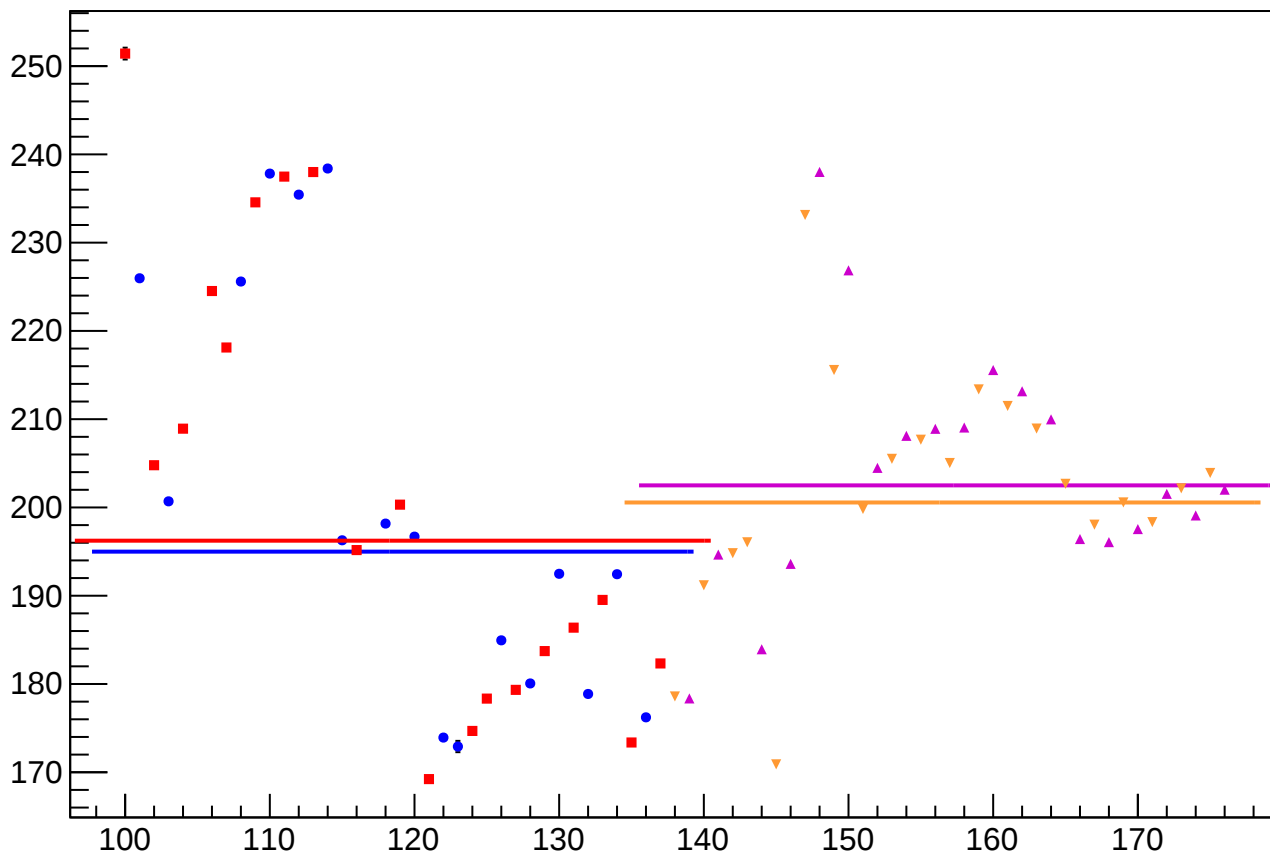
Right: 184.138 $\pm$ 53.073 χ^2 /NDF: 26.1/35

In: -92.151 $\pm$ 43.340 χ^2 /NDF:60.4/35

Out: -159.541 $\pm$ 42.444 χ^2 /NDF:55.8/38

All: -126.550 $\pm$ 30.324 χ^2 /NDF: 117.4/74

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: 200.563 $\pm$ 0.037 χ^2 /NDF:129670.3/19

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

Left In: 202.501 $\pm$ 0.037 χ^2 /NDF:126184.6/18

Left: 201.513 $\pm$ 0.026 χ^2 /NDF: 257229.8/38

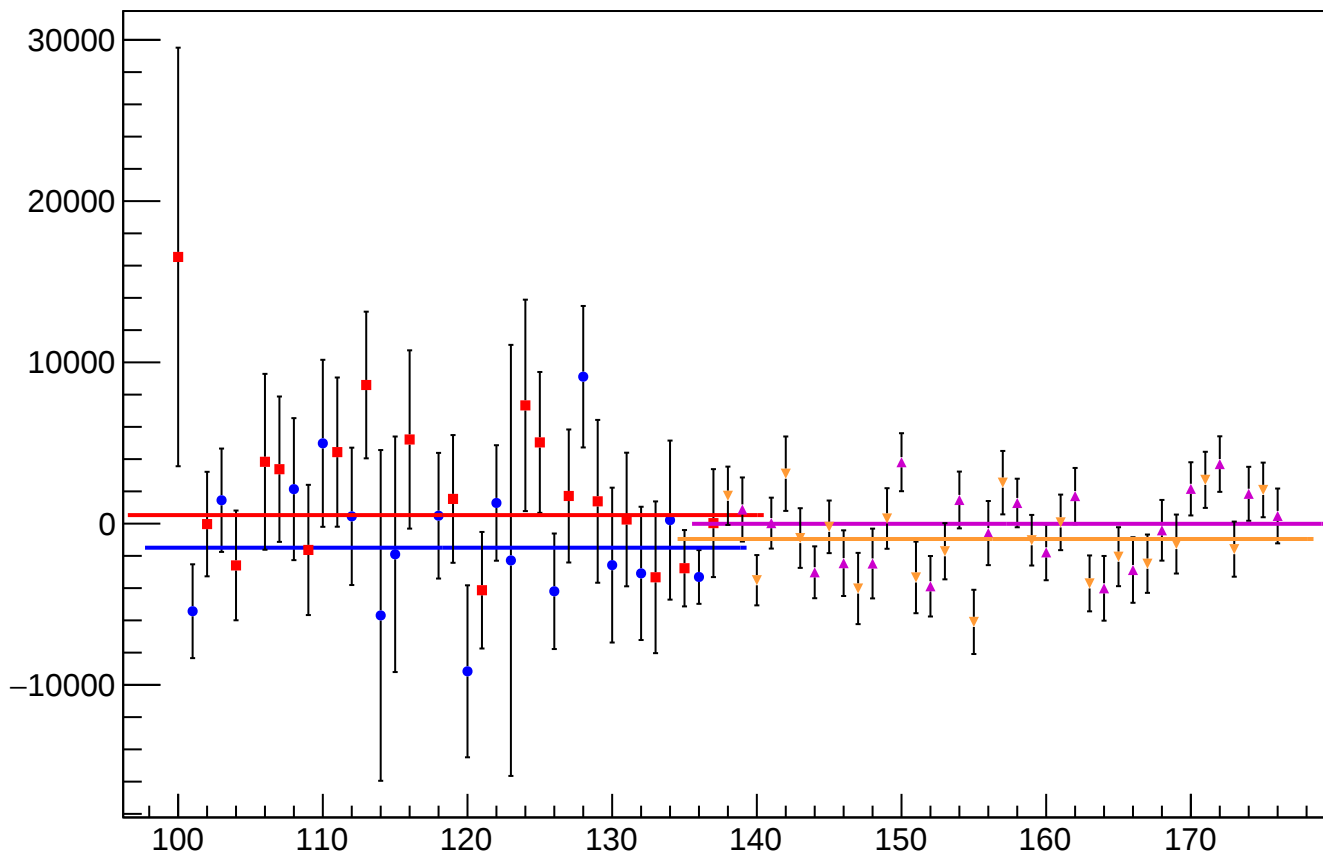
Right: 195.629 $\pm$ 0.038 χ^2 /NDF: 318035.8/35

In: 200.056 $\pm$ 0.031 χ^2 /NDF:283636.0/35

Out: 199.148 $\pm$ 0.030 χ^2 /NDF:307740.3/38

All: 199.592 $\pm$ 0.021 χ^2 /NDF: 591824.6/74

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280+/-910.834 χ^2/NDF : 16.1/16

Left Out: -953.158+/-404.699 χ^2/NDF : 33.5/19

Right Out: 528.758+/-934.718 χ^2/NDF : 14.6/18

Left In: -11.782+/-410.041 χ^2/NDF : 32.4/18

Left: -488.642+/-288.036 χ^2/NDF : 68.6/38

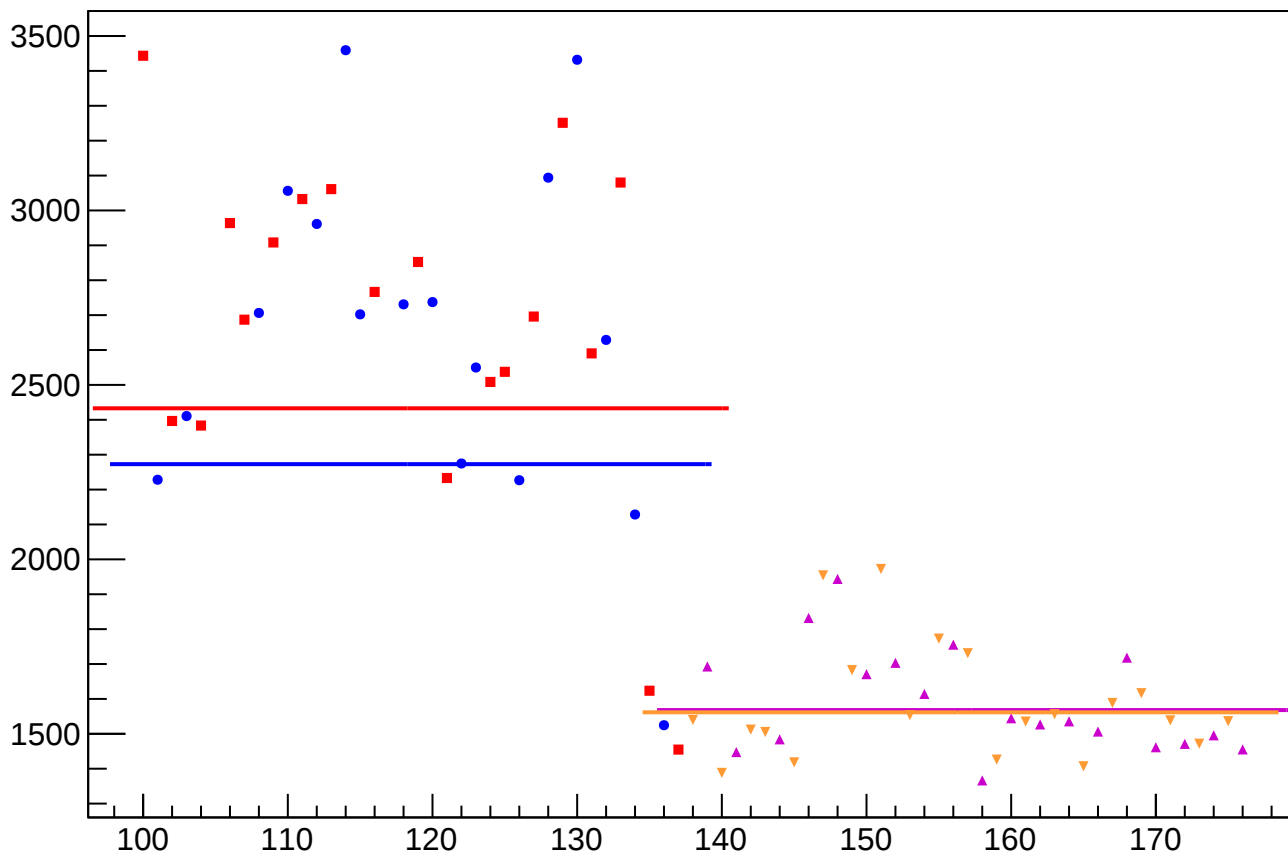
Right: -508.424+/-652.337 χ^2/NDF : 33.2/35

In: -261.433+/-373.900 χ^2/NDF : 50.8/35

Out: -719.215+/-371.384 χ^2/NDF : 50.3/38

All: -491.870+/-263.493 χ^2/NDF : 101.8/74

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883 ± 0.644 $\chi^2/\text{NDF}: 805650.3/16$

Left Out: 1561.634 ± 0.286 $\chi^2/\text{NDF}: 258958.8/19$

Right Out: 2432.950 ± 0.661 $\chi^2/\text{NDF}: 680783.9/18$

Left In: 1568.047 ± 0.290 $\chi^2/\text{NDF}: 234724.6/18$

Left: 1564.799 ± 0.204 $\chi^2/\text{NDF}: 493931.2/38$

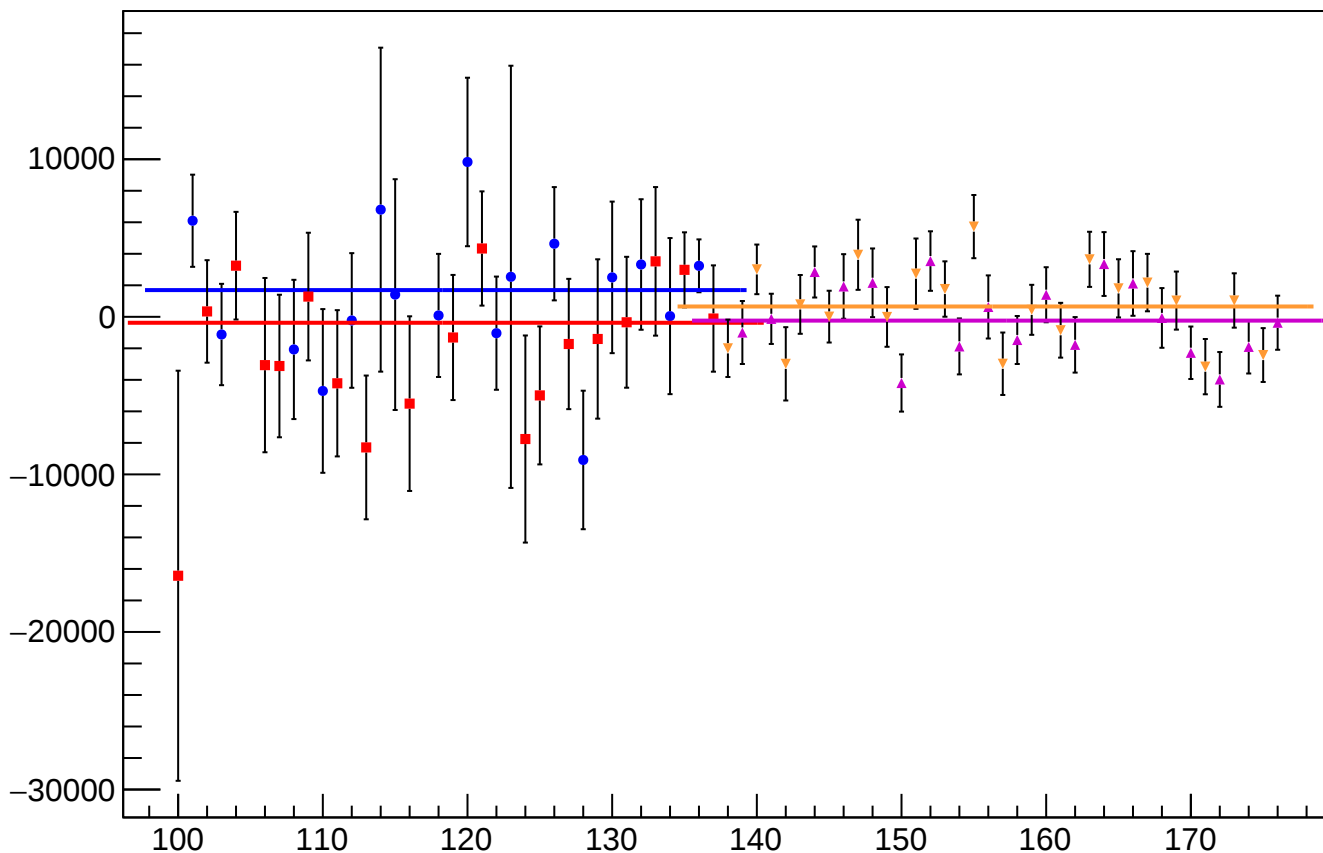
Right: 2350.846 ± 0.461 $\chi^2/\text{NDF}: 1516518.2/35$

In: 1686.821 ± 0.264 $\chi^2/\text{NDF}: 2036202.1/35$

Out: 1699.185 ± 0.263 $\chi^2/\text{NDF}: 2403272.6/38$

All: 1693.044 ± 0.186 $\chi^2/\text{NDF}: 4440575.5/74$

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2/NDF : 16.6/16

Left Out: 655.638 $\pm$ 408.149 χ^2/NDF : 33.1/19

Right Out: -377.629 $\pm$ 938.528 χ^2/NDF : 15.0/18

Left In: -240.819 $\pm$ 413.593 χ^2/NDF : 29.8/18

Left: 213.349 $\pm$ 290.510 χ^2/NDF : 65.3/38

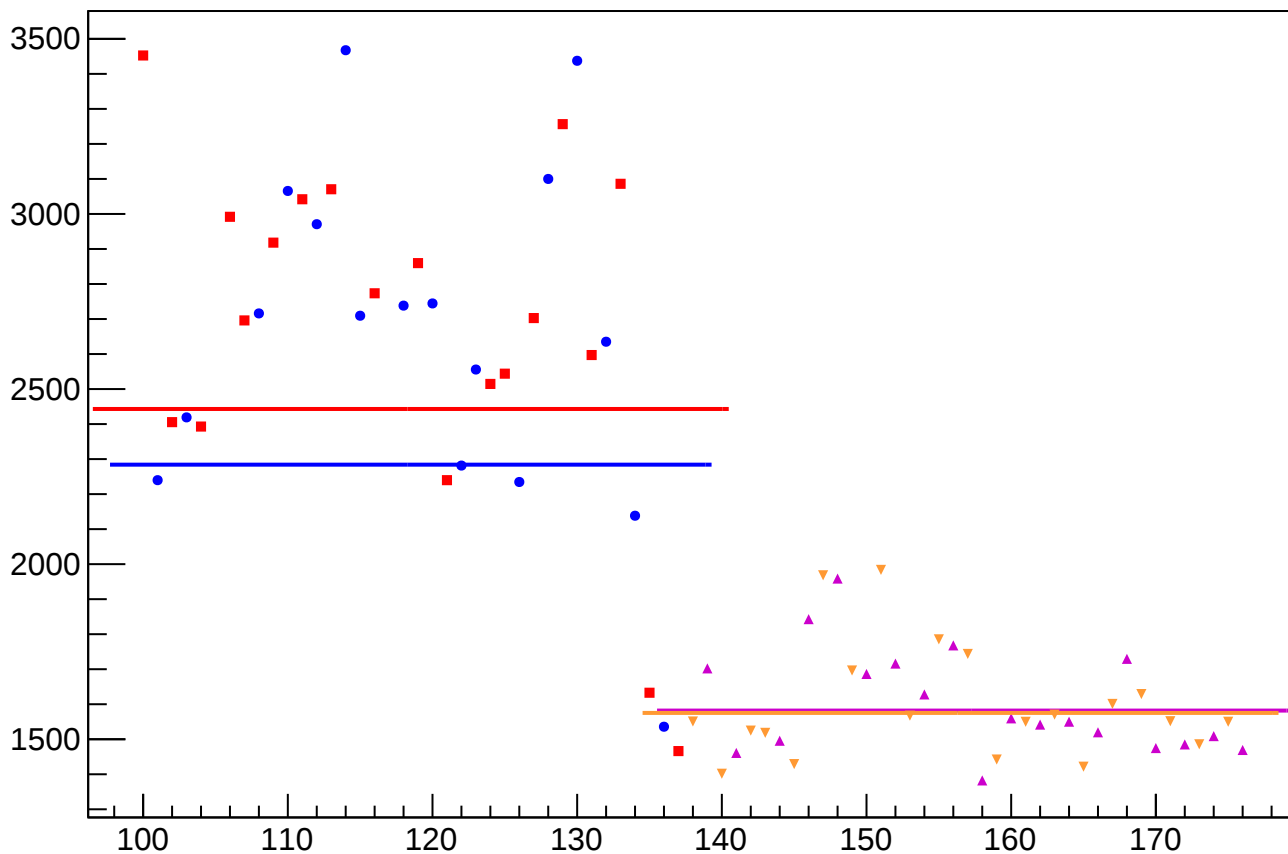
Right: 685.645 $\pm$ 655.109 χ^2/NDF : 34.1/35

In: 87.848 $\pm$ 376.869 χ^2/NDF : 50.1/35

Out: 491.304 $\pm$ 374.287 χ^2/NDF : 49.1/38

All: 290.963 $\pm$ 265.569 χ^2/NDF : 99.8/74

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1575.189 $\pm$ 0.289 χ^2 /NDF: 253992.5/19

Right Out: 2443.124 $\pm$ 0.664 χ^2 /NDF: 672899.9/18

Left In: 1581.869 $\pm$ 0.292 χ^2 /NDF: 228957.4/18

Left: 1578.485 $\pm$ 0.205 χ^2 /NDF: 483214.2/38

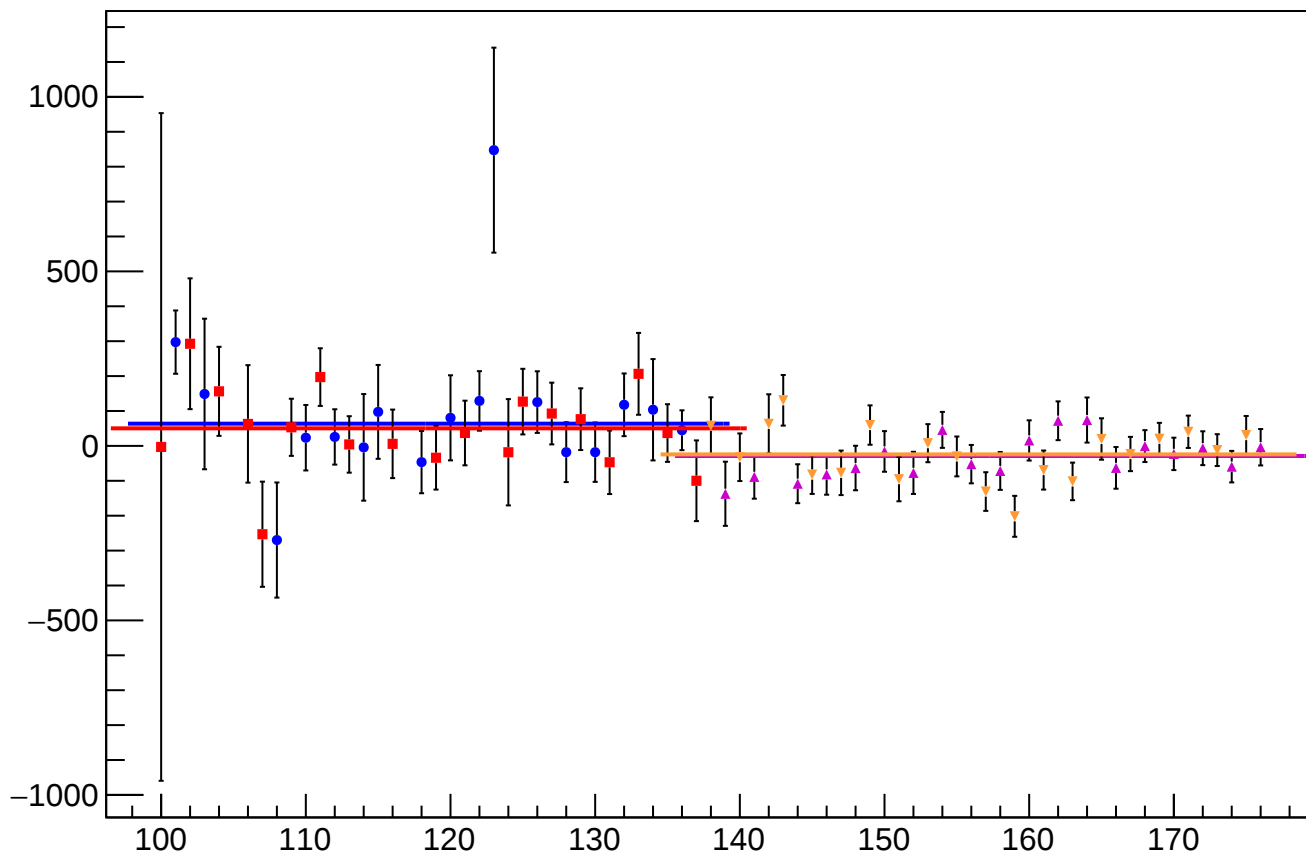
Right: 2361.583 $\pm$ 0.463 χ^2 /NDF: 1496334.9/35

In: 1701.037 $\pm$ 0.266 χ^2 /NDF: 2001371.0/35

Out: 1713.229 $\pm$ 0.265 χ^2 /NDF: 2365303.0/38

All: 1707.175 $\pm$ 0.188 χ^2 /NDF: 4367727.8/74

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 $\pm$ 23.743 χ^2 /NDF: 23.7/16

Left Out: -24.340 $\pm$ 12.685 χ^2 /NDF:32.4/19

Right Out: 50.278 $\pm$ 23.661 χ^2 /NDF: 16.8/18

Left In: -28.901 $\pm$ 12.675 χ^2 /NDF:17.1/18

Left: -26.622 $\pm$ 8.966 χ^2 /NDF: 49.6/38

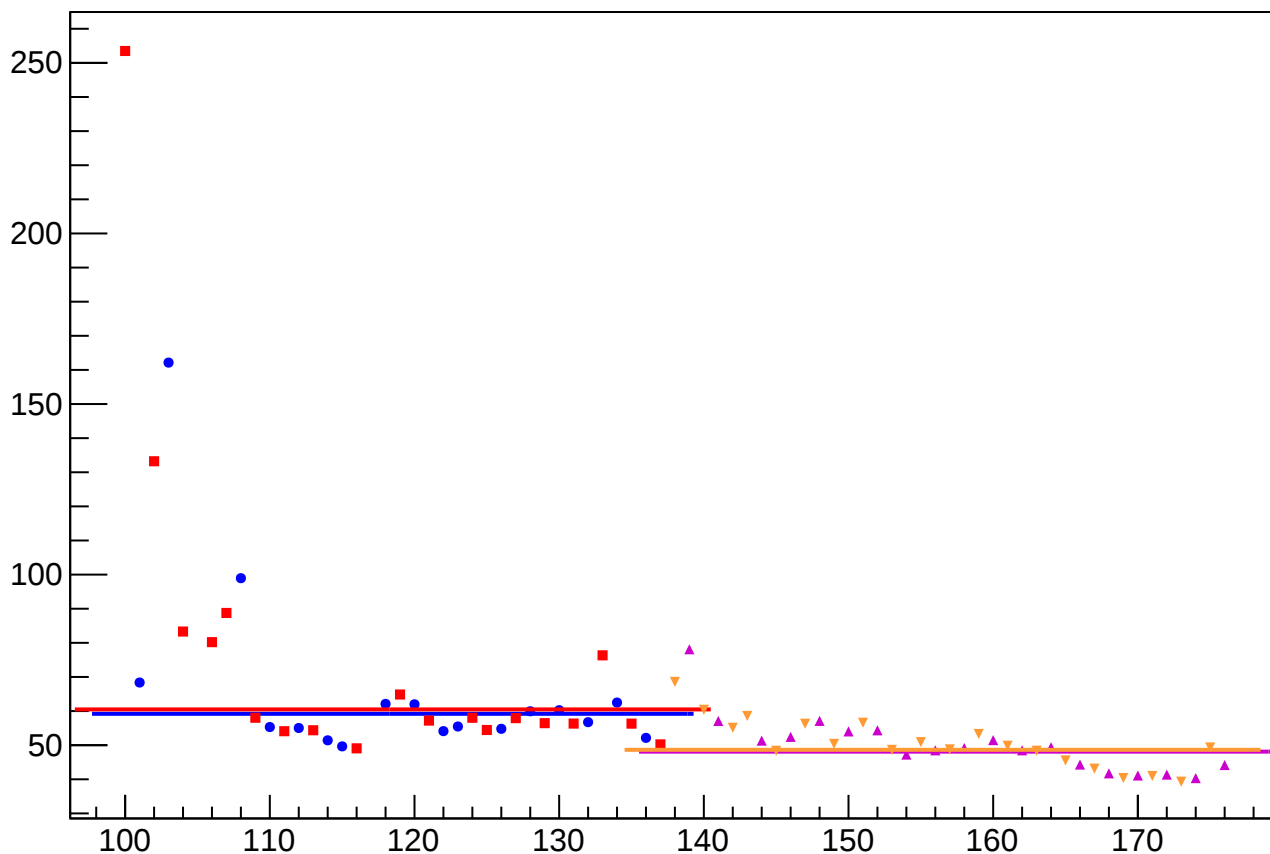
Right: 56.949 $\pm$ 16.760 χ^2 /NDF: 40.6/35

In: -8.370 $\pm$ 11.182 χ^2 /NDF:52.6/35

Out: -7.681 $\pm$ 11.180 χ^2 /NDF:56.9/38

All: -8.025 $\pm$ 7.906 χ^2 /NDF: 109.5/74

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 48.643 $\pm$ 0.009 χ^2 /NDF: 542318.1/19

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

Left In: 48.108 $\pm$ 0.009 χ^2 /NDF: 564853.0/18

Left: 48.375 $\pm$ 0.006 χ^2 /NDF: 1108951.1/38

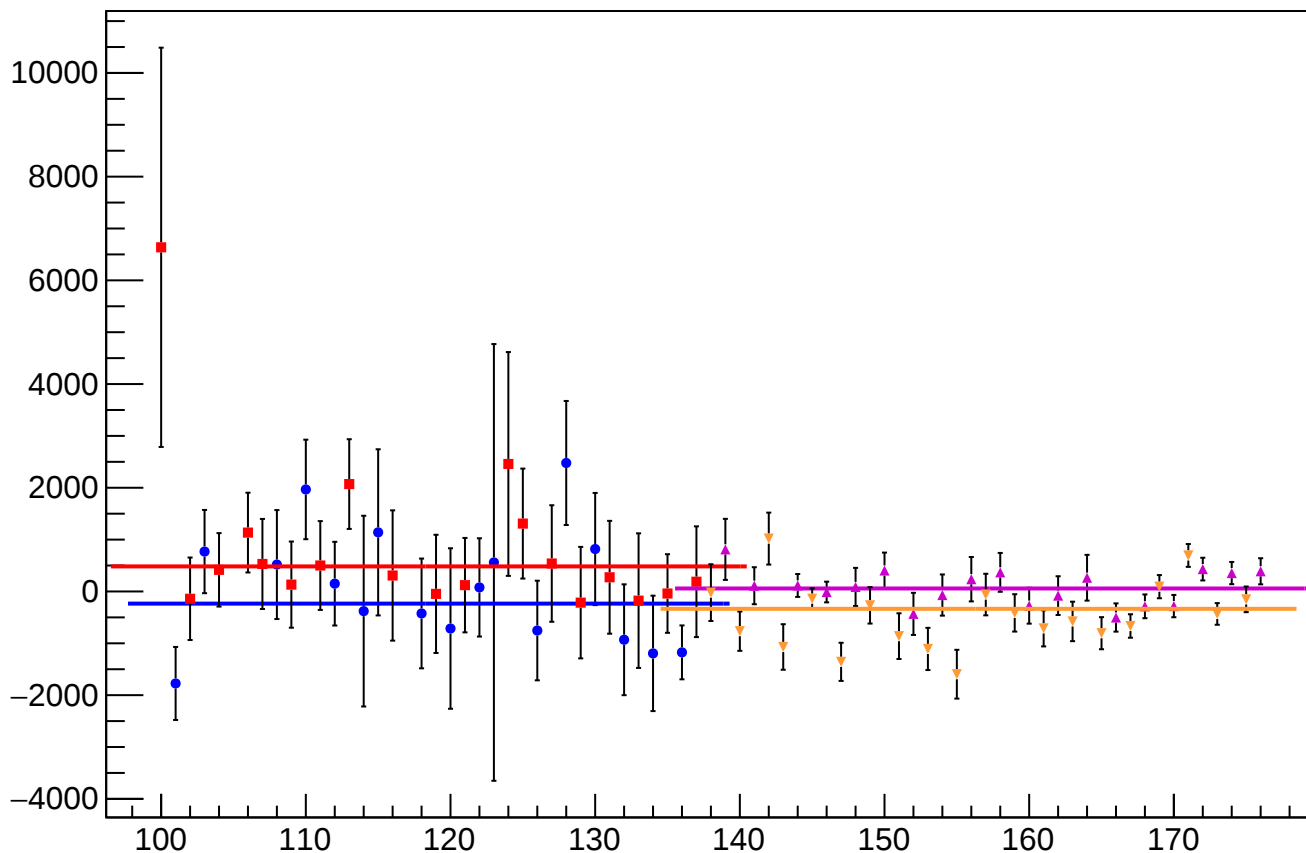
Right: 59.844 $\pm$ 0.012 χ^2 /NDF: 1348461.0/35

In: 50.568 $\pm$ 0.008 χ^2 /NDF: 1570043.5/35

Out: 51.286 $\pm$ 0.008 χ^2 /NDF: 1611383.1/38

All: 50.927 $\pm$ 0.006 χ^2 /NDF: 3185551.2/74

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492+/-233.880 χ^2/NDF : 24.2/16

Left Out: -334.853+/-68.176 χ^2/NDF : 65.5/19

Right Out: 483.305+/-222.314 χ^2/NDF : 10.6/18

Left In: 57.495+/-65.889 χ^2/NDF : 22.1/18

Left: -131.987+/-47.379 χ^2/NDF : 104.8/38

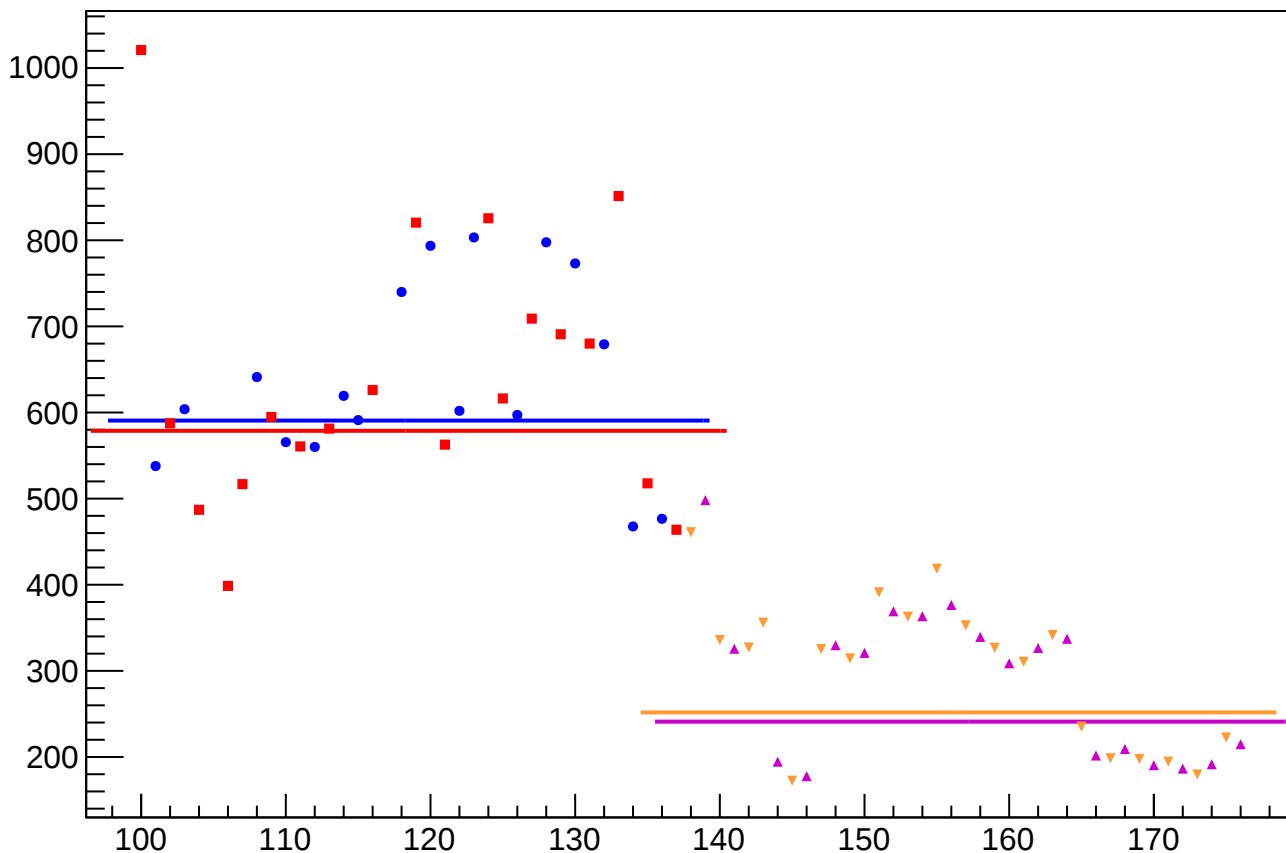
Right: 142.594+/-161.133 χ^2/NDF : 39.7/35

In: 36.025+/-63.420 χ^2/NDF : 47.7/35

Out: -264.524+/-65.180 χ^2/NDF : 88.5/38

All: -110.137+/-45.454 χ^2/NDF : 147.1/74

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 251.774+/-0.048 χ^2/NDF : 2629698.3/19

Right Out: 578.753+/-0.157 χ^2/NDF : 493962.7/18

Left In: 241.050+/-0.047 χ^2/NDF : 2455266.8/18

Left: 246.229+/-0.034 χ^2/NDF : 5110550.9/38

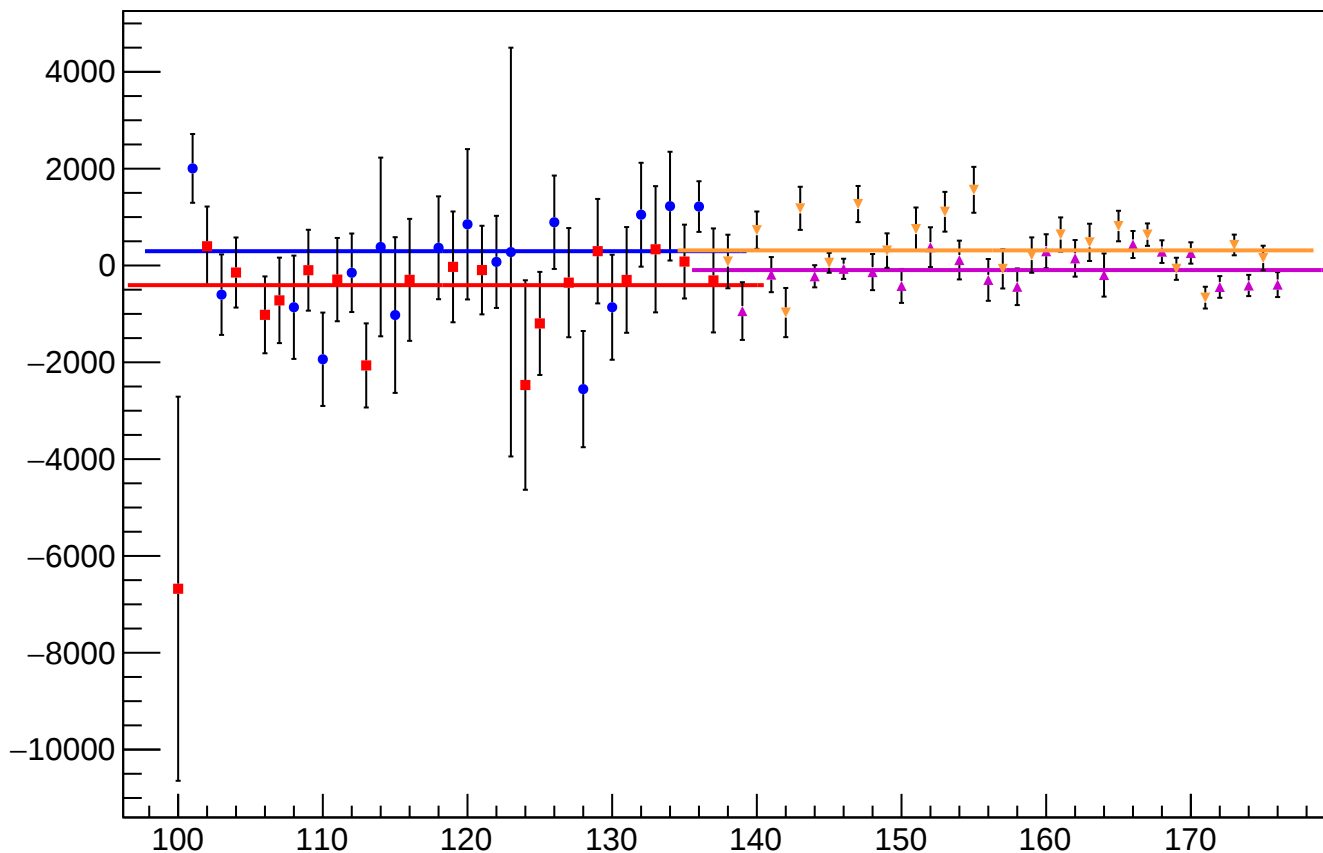
Right: 584.404+/-0.114 χ^2/NDF : 848765.8/35

In: 266.757+/-0.045 χ^2/NDF : 6947724.1/35

Out: 279.881+/-0.046 χ^2/NDF : 7078248.9/38

All: 273.140+/-0.032 χ^2/NDF : 14067623.4/74

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 311.924 $\pm$ 69.591 χ^2 /NDF:60.2/19

Right Out: -406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

Left In: -94.702 $\pm$ 67.397 χ^2 /NDF:22.3/18

Left: 102.099 $\pm$ 48.414 χ^2 /NDF: 100.1/38

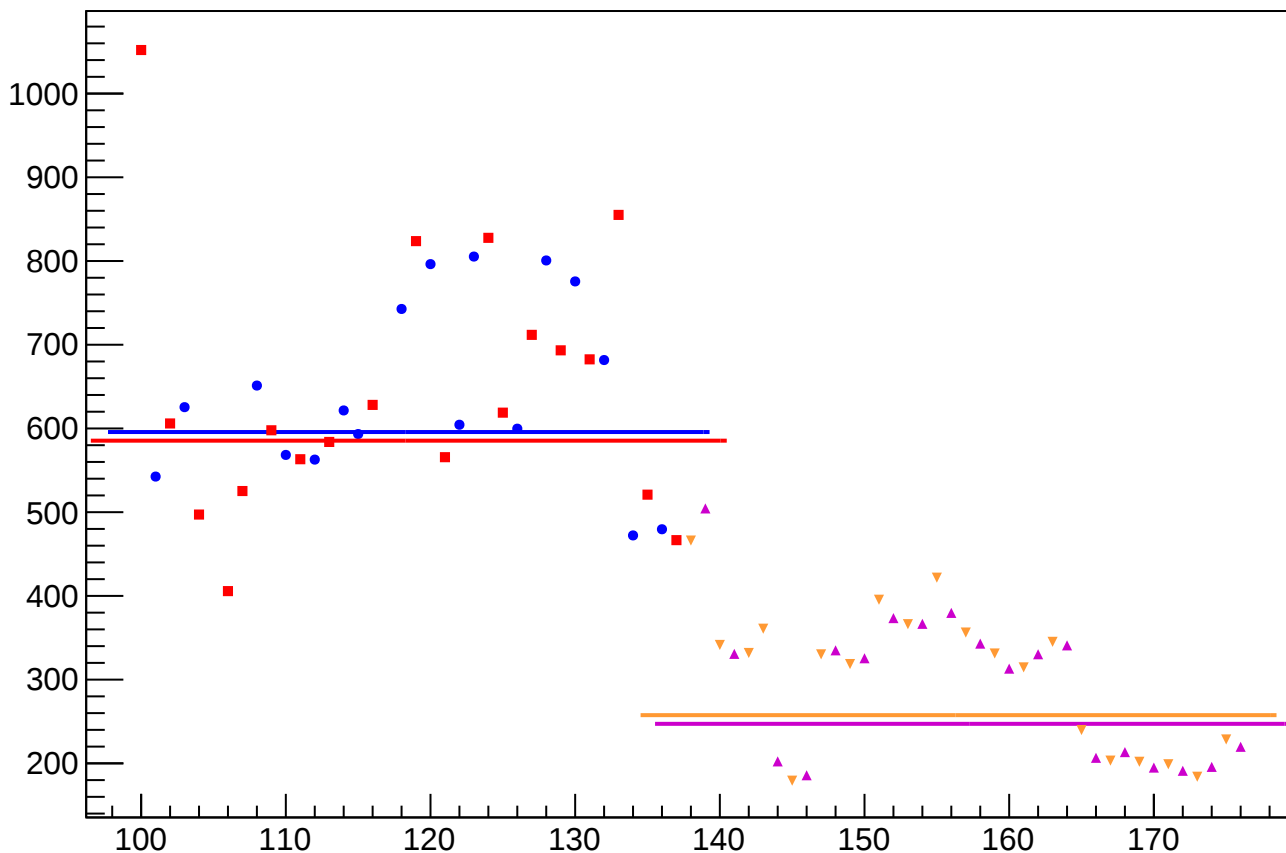
Right: -72.128 $\pm$ 162.748 χ^2 /NDF: 41.7/35

In: -65.254 $\pm$ 64.803 χ^2 /NDF:51.0/35

Out: 249.153 $\pm$ 66.480 χ^2 /NDF:80.5/38

All: 87.935 $\pm$ 46.404 χ^2 /NDF: 142.9/74

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 257.573 $\pm$ 0.049 χ^2 /NDF:2514565.8/19

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

Left In: 247.198 $\pm$ 0.048 χ^2 /NDF:2334132.2/18

Left: 252.219 $\pm$ 0.034 χ^2 /NDF: 4871638.9/38

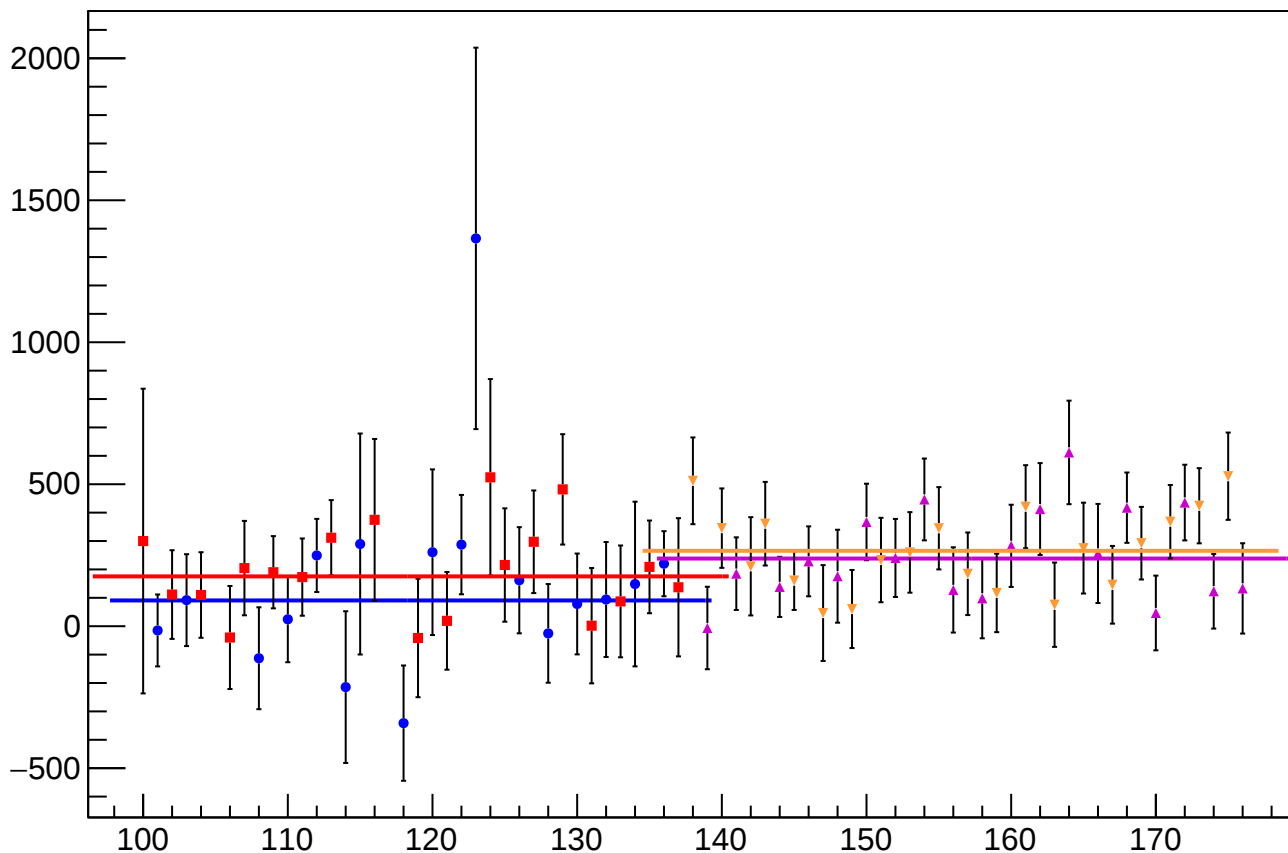
Right: 590.331 $\pm$ 0.115 χ^2 /NDF: 826533.5/35

In: 273.508 $\pm$ 0.046 χ^2 /NDF:6721831.3/35

Out: 286.232 $\pm$ 0.047 χ^2 /NDF:6869159.9/38

All: 279.707 $\pm$ 0.033 χ^2 /NDF: 13628555.5/74

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 265.498+/-31.585 χ^2/NDF : 18.8/19

Right Out: 175.485+/-41.101 χ^2/NDF : 10.3/18

Left In: 238.342+/-31.985 χ^2/NDF : 21.7/18

Left: 252.091+/-22.474 χ^2/NDF : 40.8/38

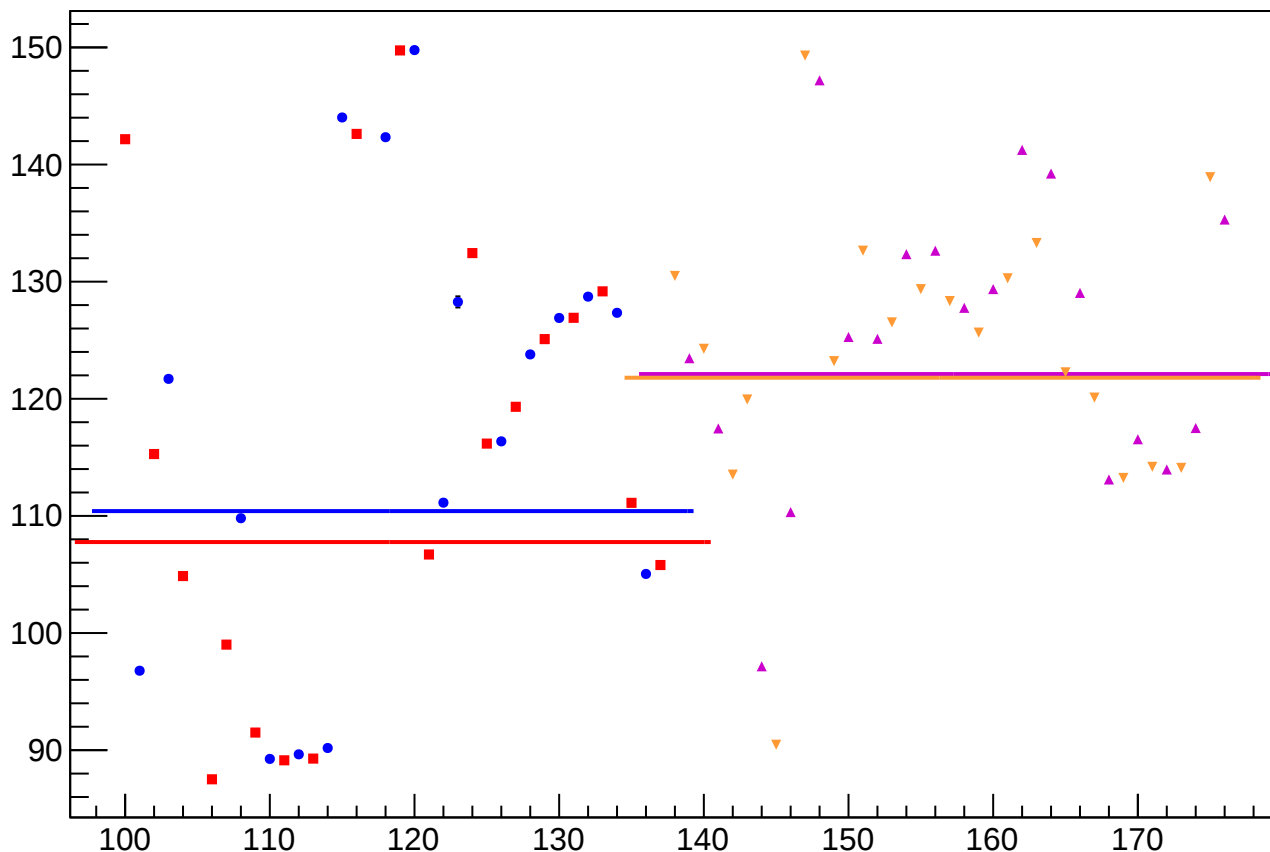
Right: 135.317+/-29.814 χ^2/NDF : 29.2/35

In: 186.244+/-25.729 χ^2/NDF : 46.1/35

Out: 232.077+/-25.044 χ^2/NDF : 32.1/38

All: 209.779+/-17.946 χ^2/NDF : 79.8/74

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: 121.798 $\pm$ 0.022 χ^2 /NDF: 339282.2/19

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

Left In: 122.112 $\pm$ 0.023 χ^2 /NDF: 296028.9/18

Left: 121.953 $\pm$ 0.016 χ^2 /NDF: 635408.6/38

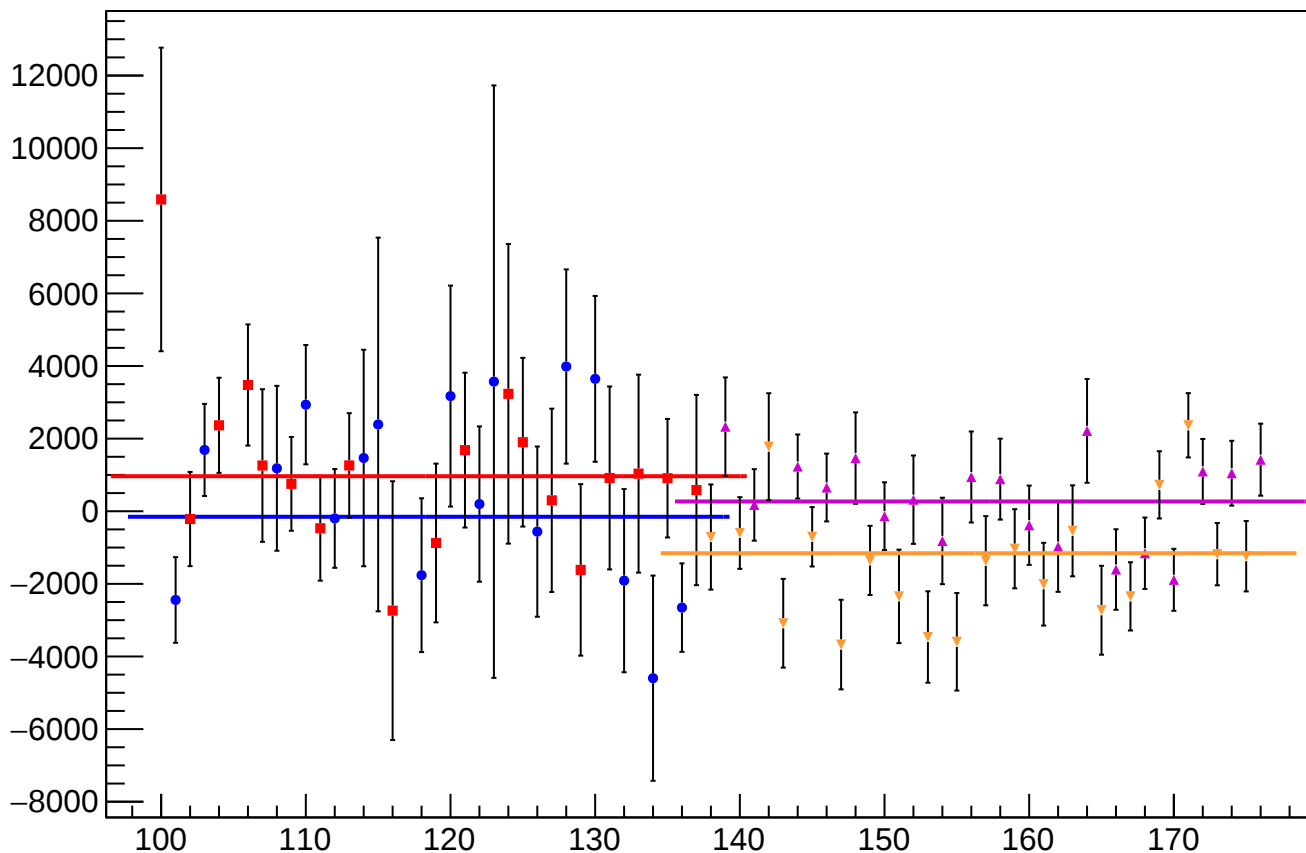
Right: 109.020 $\pm$ 0.021 χ^2 /NDF: 644787.1/35

In: 117.983 $\pm$ 0.018 χ^2 /NDF: 686901.5/35

Out: 116.589 $\pm$ 0.018 χ^2 /NDF: 830246.1/38

All: 117.267 $\pm$ 0.013 χ^2 /NDF: 1520162.6/74

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1156.041 ± 240.772 χ^2/NDF : 43.0/19

Right Out: 964.716 ± 435.111 χ^2/NDF : 12.3/18

Left In: 269.322 ± 240.254 χ^2/NDF : 23.7/18

Left: -441.823 ± 170.068 χ^2/NDF : 84.2/38

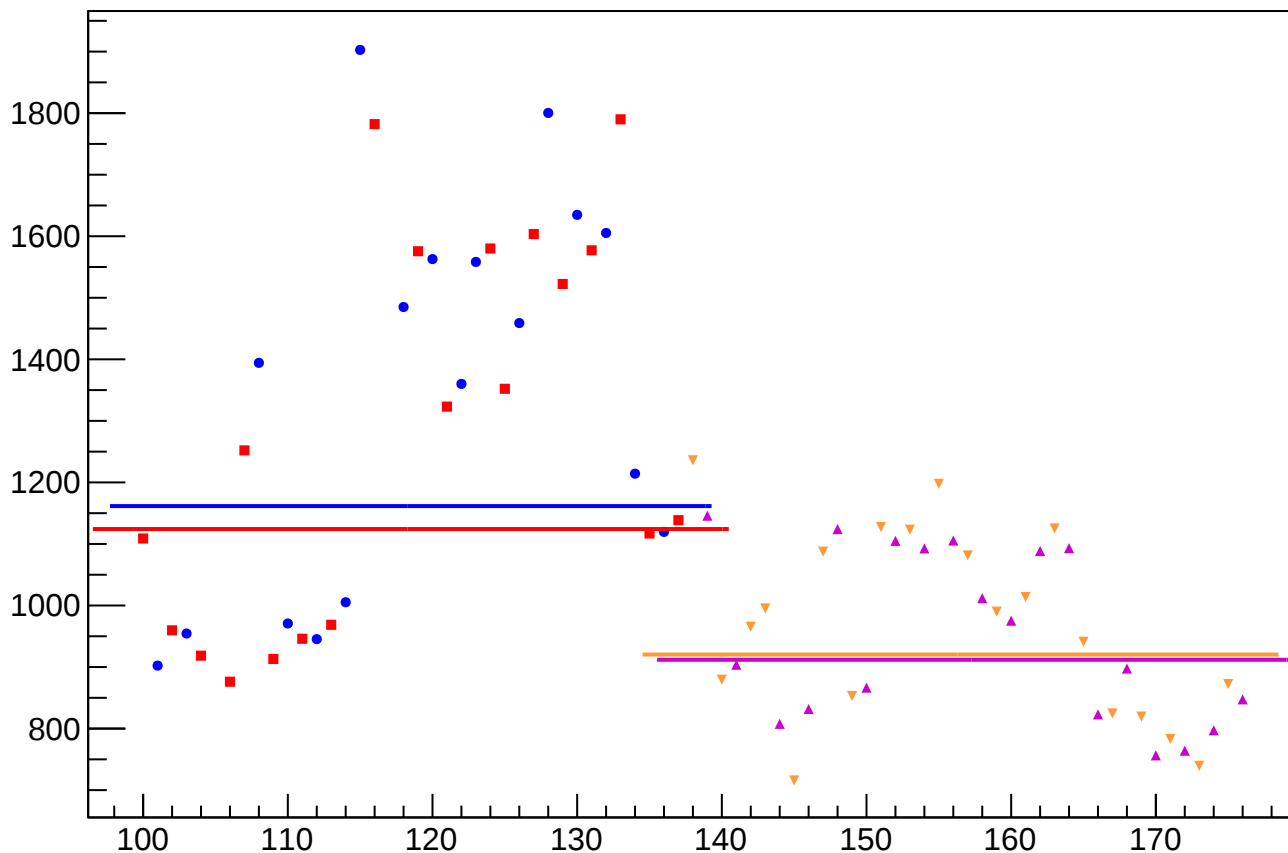
Right: 442.914 ± 317.632 χ^2/NDF : 40.0/35

In: 180.388 ± 213.423 χ^2/NDF : 49.0/35

Out: -658.886 ± 210.669 χ^2/NDF : 73.4/38

All: -244.699 ± 149.930 χ^2/NDF : 130.3/74

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 920.330 $\pm$ 0.170 χ^2 /NDF: 764932.2/19

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

Left In: 911.798 $\pm$ 0.170 χ^2 /NDF: 579230.3/18

Left: 916.055 $\pm$ 0.120 χ^2 /NDF: 1345420.9/38

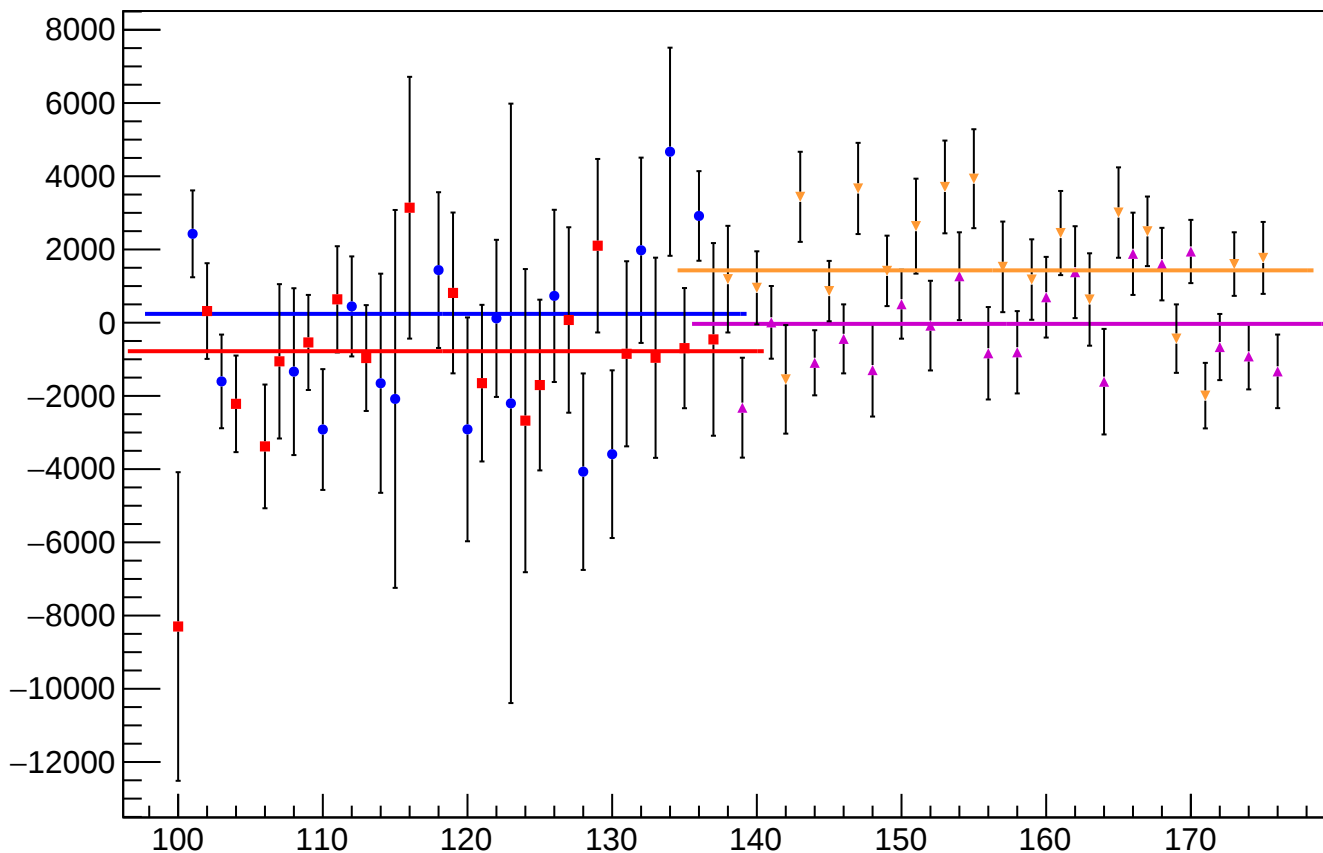
Right: 1141.655 $\pm$ 0.225 χ^2 /NDF: 1470560.5/35

In: 964.462 $\pm$ 0.151 χ^2 /NDF: 1730835.2/35

Out: 968.130 $\pm$ 0.149 χ^2 /NDF: 1868979.7/38

All: 966.320 $\pm$ 0.106 χ^2 /NDF: 3600114.0/74

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1429.173 $\pm$ 242.985 χ^2 /NDF:41.1/19

Right Out: -779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

Left In: -32.436 $\pm$ 242.515 χ^2 /NDF:24.7/18

Left: 696.954 $\pm$ 171.650 χ^2 /NDF: 83.9/38

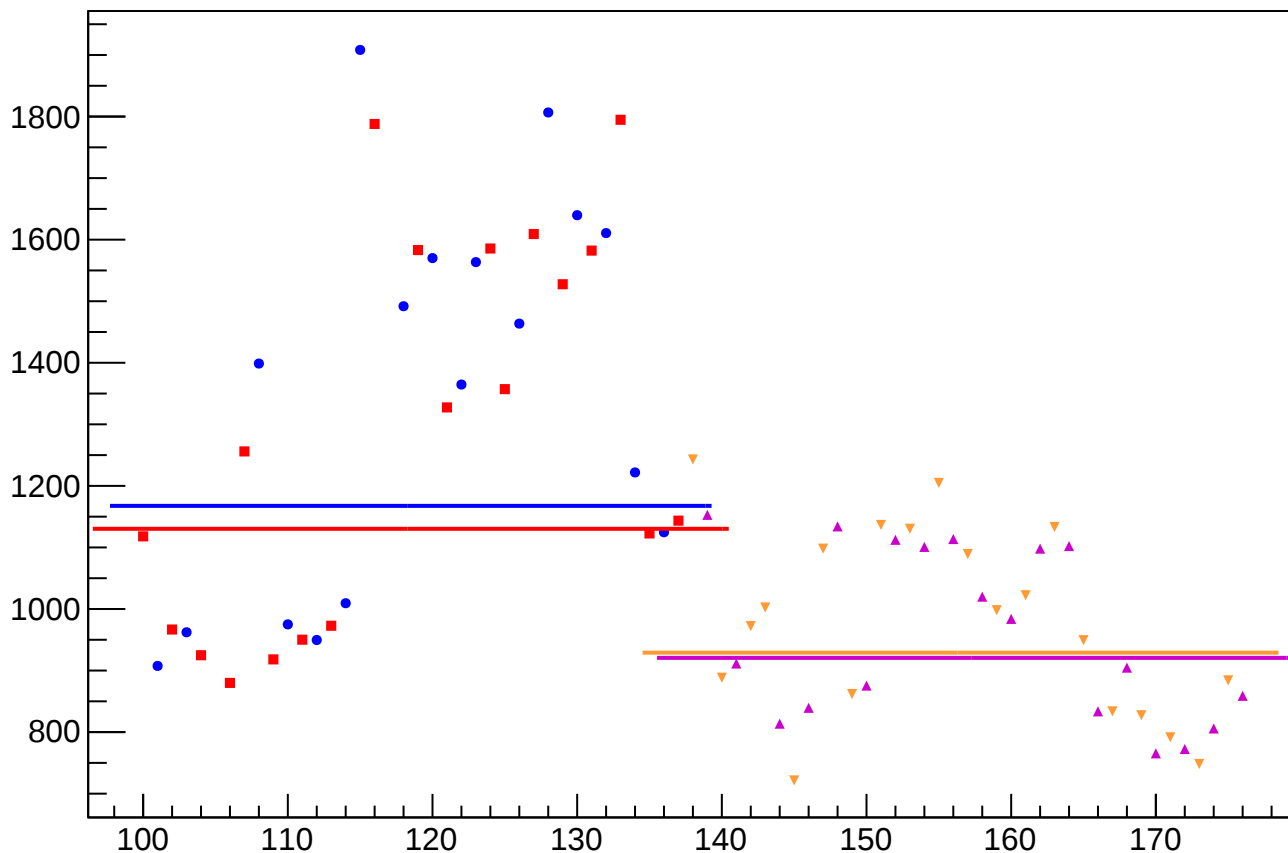
Right: -302.513 $\pm$ 319.286 χ^2 /NDF: 39.7/35

In: 25.577 $\pm$ 215.228 χ^2 /NDF:49.8/35

Out: 908.541 $\pm$ 212.420 χ^2 /NDF:72.9/38

All: 472.856 $\pm$ 151.187 χ^2 /NDF: 131.2/74

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2/NDF : 690485.6/16

Left Out: 929.055 $\pm$ 0.172 χ^2/NDF : 752711.9/19

Right Out: 1130.301 $\pm$ 0.309 χ^2/NDF : 761503.6/18

Left In: 920.599 $\pm$ 0.171 χ^2/NDF : 568639.7/18

Left: 924.819 $\pm$ 0.121 χ^2/NDF : 1322565.0/38

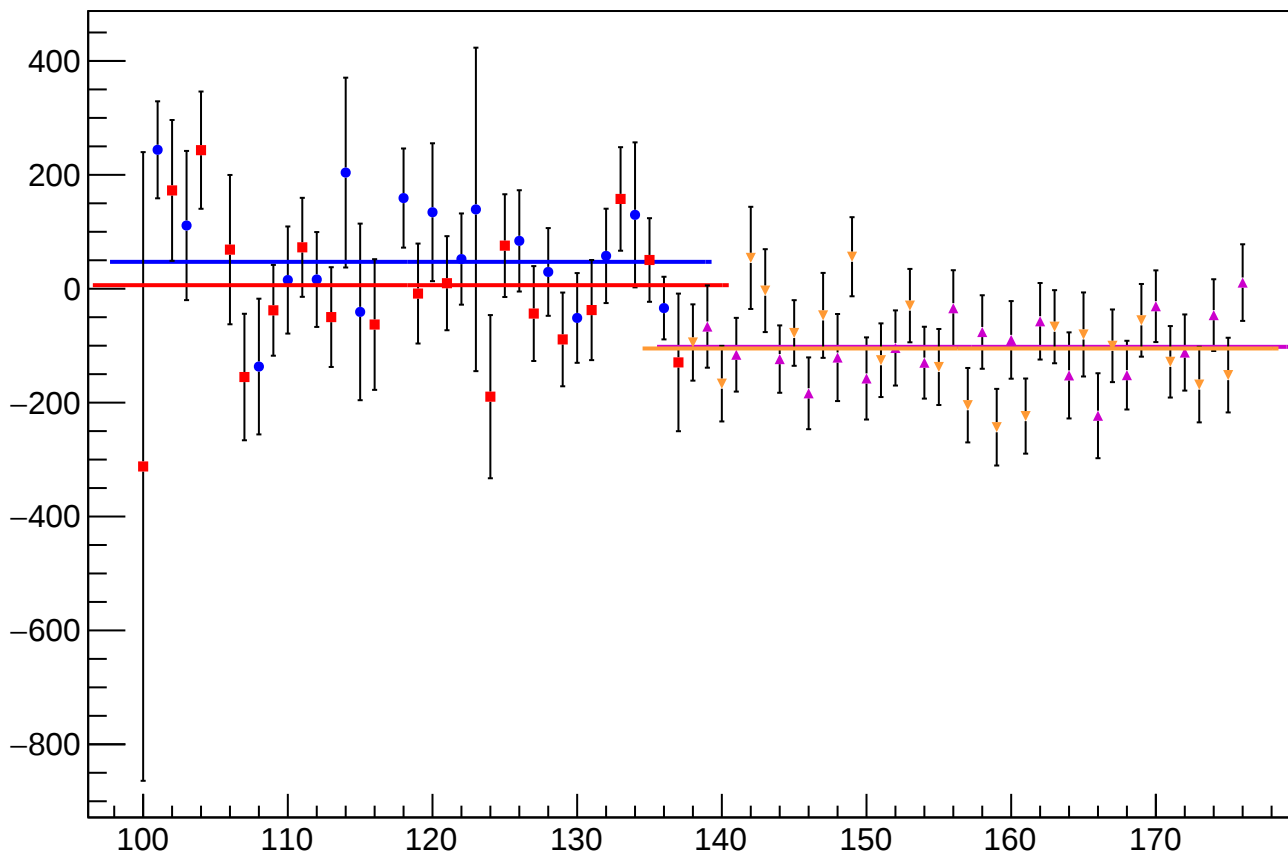
Right: 1147.705 $\pm$ 0.226 χ^2/NDF : 1458761.3/35

In: 973.042 $\pm$ 0.152 χ^2/NDF : 1699508.7/35

Out: 976.500 $\pm$ 0.150 χ^2/NDF : 1837649.1/38

All: 974.794 $\pm$ 0.107 χ^2/NDF : 3537419.2/74

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: -104.914 ± 14.955 $\chi^2/\text{NDF}: 26.3/19$

Right Out: 6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

Left In: -102.005 ± 15.266 $\chi^2/\text{NDF}: 13.3/18$

Left: -103.490 ± 10.683 $\chi^2/\text{NDF}: 39.6/38$

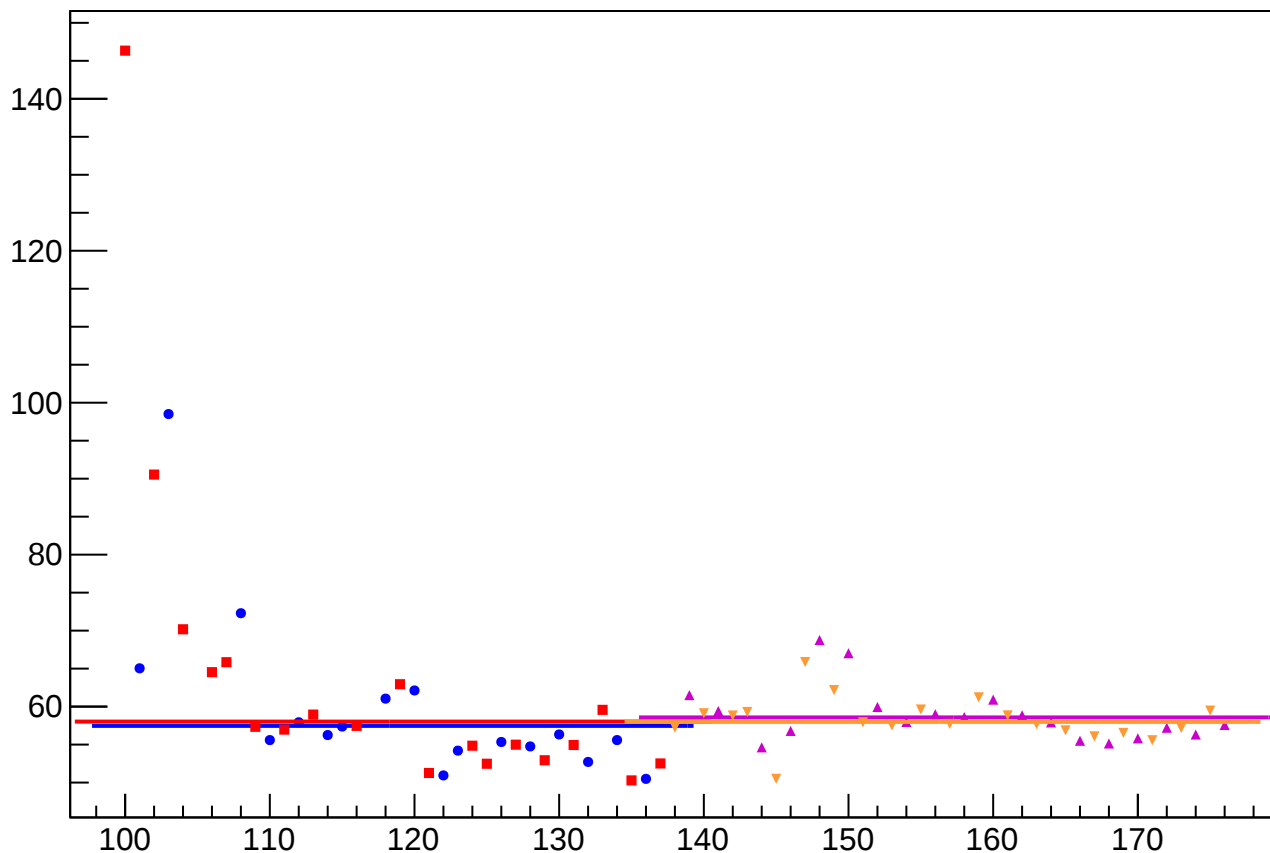
Right: 26.333 ± 15.799 $\chi^2/\text{NDF}: 38.1/35$

In: -55.150 ± 12.644 $\chi^2/\text{NDF}: 59.4/35$

Out: -70.058 ± 12.391 $\chi^2/\text{NDF}: 63.9/38$

All: -62.755 ± 8.850 $\chi^2/\text{NDF}: 124.0/74$

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 57.988 $\pm$ 0.011 χ^2 /NDF:78921.7/19

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

Left In: 58.577 $\pm$ 0.011 χ^2 /NDF:98237.3/18

Left: 58.276 $\pm$ 0.008 χ^2 /NDF: 178674.5/38

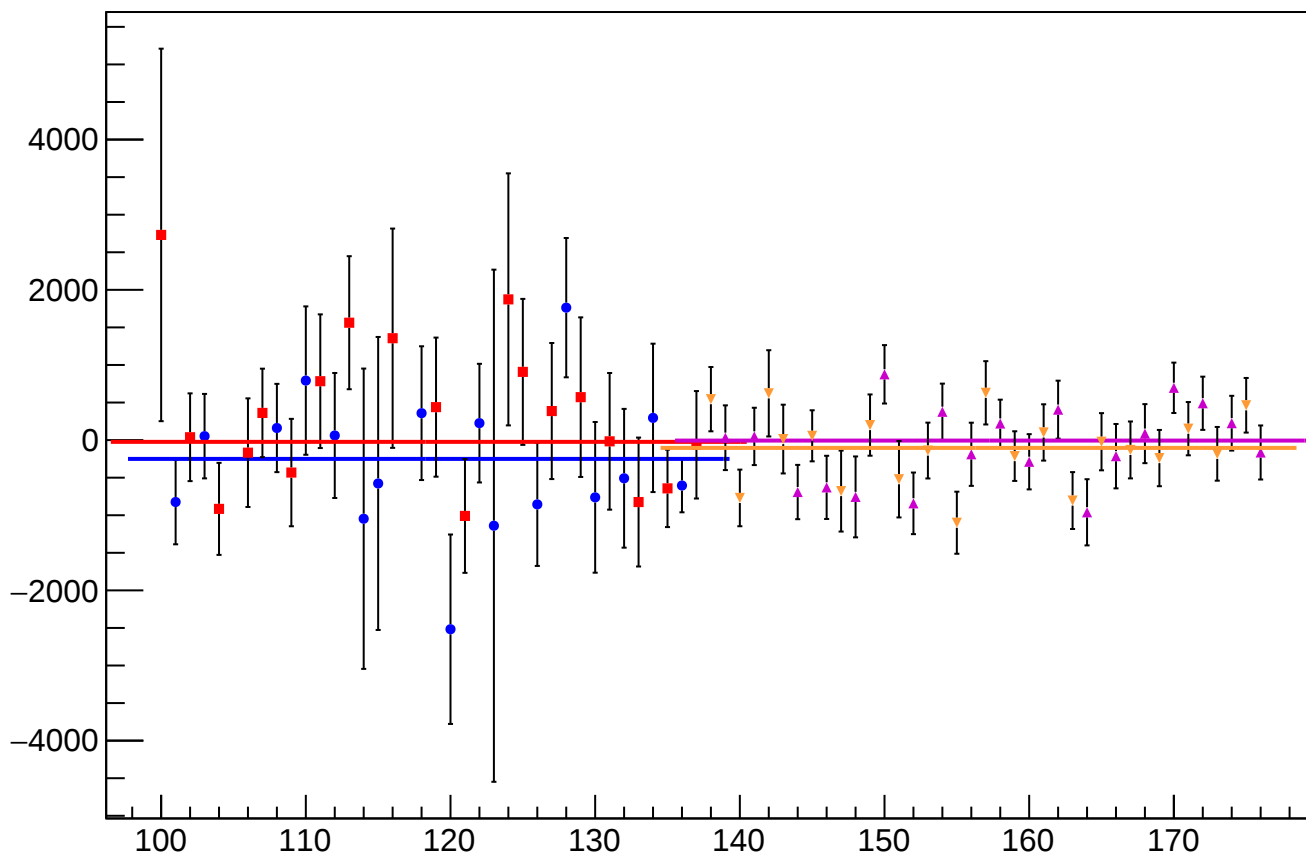
Right: 57.752 $\pm$ 0.011 χ^2 /NDF: 608576.3/35

In: 58.228 $\pm$ 0.009 χ^2 /NDF:408721.3/35

Out: 58.001 $\pm$ 0.009 χ^2 /NDF:379714.0/38

All: 58.112 $\pm$ 0.006 χ^2 /NDF: 788764.8/74

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140 ± 184.092 $\chi^2/\text{NDF}: 14.3/16$

Left Out: -103.829 ± 88.158 $\chi^2/\text{NDF}: 25.6/19$

Right Out: -23.314 ± 181.834 $\chi^2/\text{NDF}: 16.1/18$

Left In: -6.268 ± 88.521 $\chi^2/\text{NDF}: 32.5/18$

Left: -55.249 ± 62.465 $\chi^2/\text{NDF}: 58.6/38$

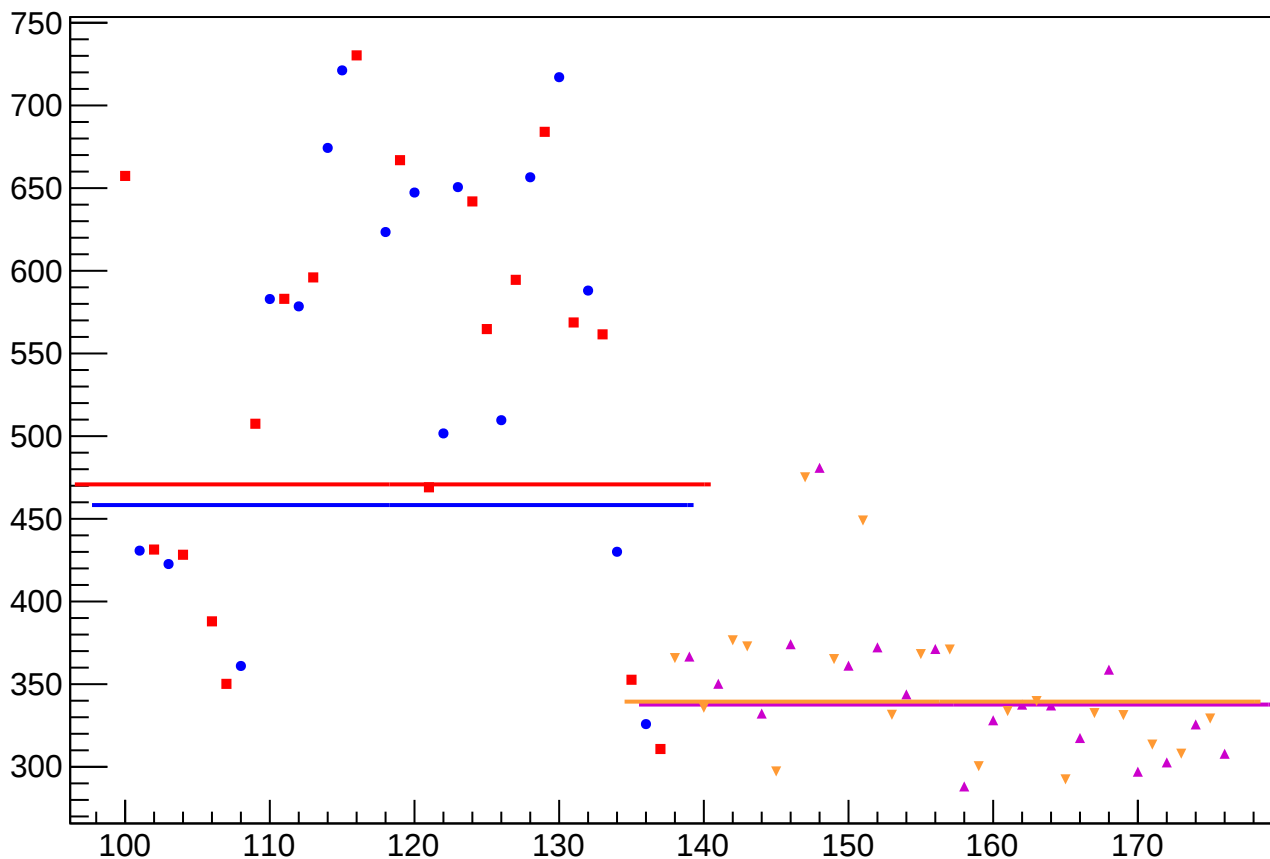
Right: -135.327 ± 129.367 $\chi^2/\text{NDF}: 31.1/35$

In: -52.067 ± 79.777 $\chi^2/\text{NDF}: 48.2/35$

Out: -88.506 ± 79.327 $\chi^2/\text{NDF}: 41.8/38$

All: -70.389 ± 56.251 $\chi^2/\text{NDF}: 90.1/74$

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 339.446+/-0.062 χ^2/NDF : 395333.7/19

Right Out: 470.827+/-0.129 χ^2/NDF : 778635.2/18

Left In: 337.669+/-0.063 χ^2/NDF : 328001.7/18

Left: 338.561+/-0.044 χ^2/NDF : 723740.1/38

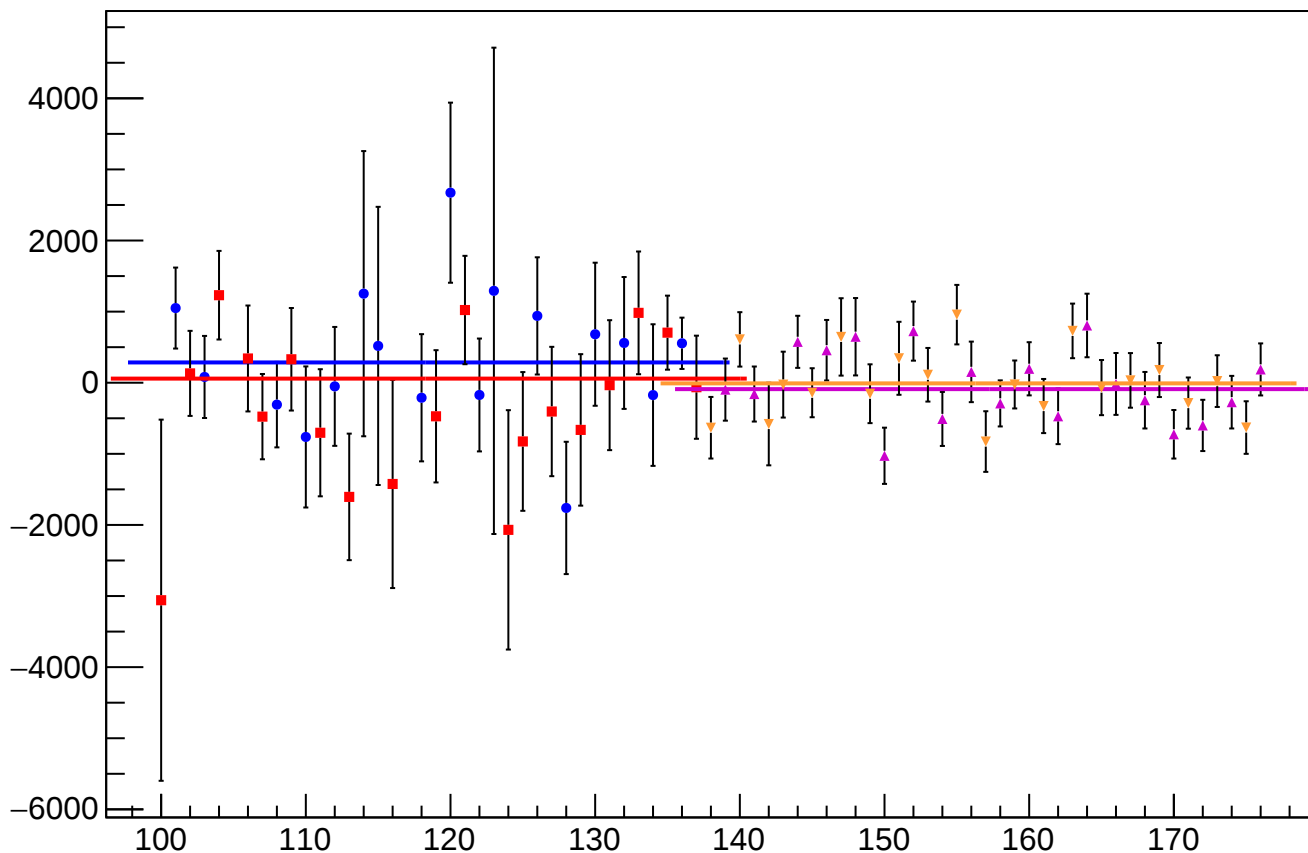
Right: 464.653+/-0.091 χ^2/NDF : 1660506.8/35

In: 360.327+/-0.056 χ^2/NDF : 1902984.4/35

Out: 364.451+/-0.056 χ^2/NDF : 2019362.2/38

All: 362.401+/-0.040 χ^2/NDF : 3925032.9/74

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 ± 186.262 $\chi^2/\text{NDF}: 15.2/16$

Left Out: -9.068 ± 89.484 $\chi^2/\text{NDF}: 25.1/19$

Right Out: 58.001 ± 184.074 $\chi^2/\text{NDF}: 19.2/18$

Left In: -89.945 ± 89.883 $\chi^2/\text{NDF}: 30.2/18$

Left: -49.327 ± 63.415 $\chi^2/\text{NDF}: 55.7/38$

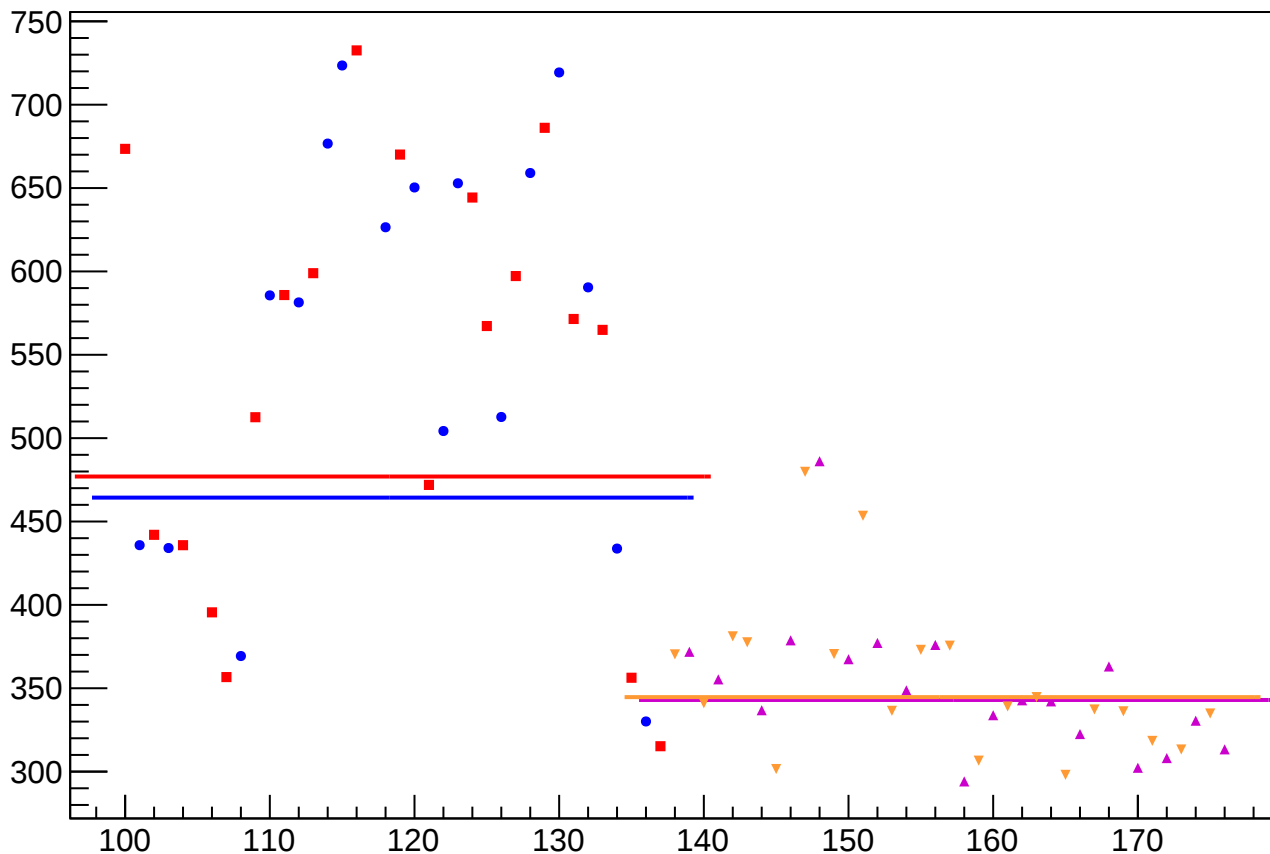
Right: 170.332 ± 130.927 $\chi^2/\text{NDF}: 35.1/35$

In: -19.059 ± 80.950 $\chi^2/\text{NDF}: 48.7/35$

Out: 3.752 ± 80.479 $\chi^2/\text{NDF}: 44.4/38$

All: -7.587 ± 57.073 $\chi^2/\text{NDF}: 93.1/74$

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 ± 0.132 $\chi^2/\text{NDF}: 845900.9/16$

Left Out: 344.669 ± 0.063 $\chi^2/\text{NDF}: 381583.5/19$

Right Out: 476.989 ± 0.130 $\chi^2/\text{NDF}: 749331.1/18$

Left In: 342.965 ± 0.064 $\chi^2/\text{NDF}: 316271.9/18$

Left: 343.821 ± 0.045 $\chi^2/\text{NDF}: 698216.4/38$

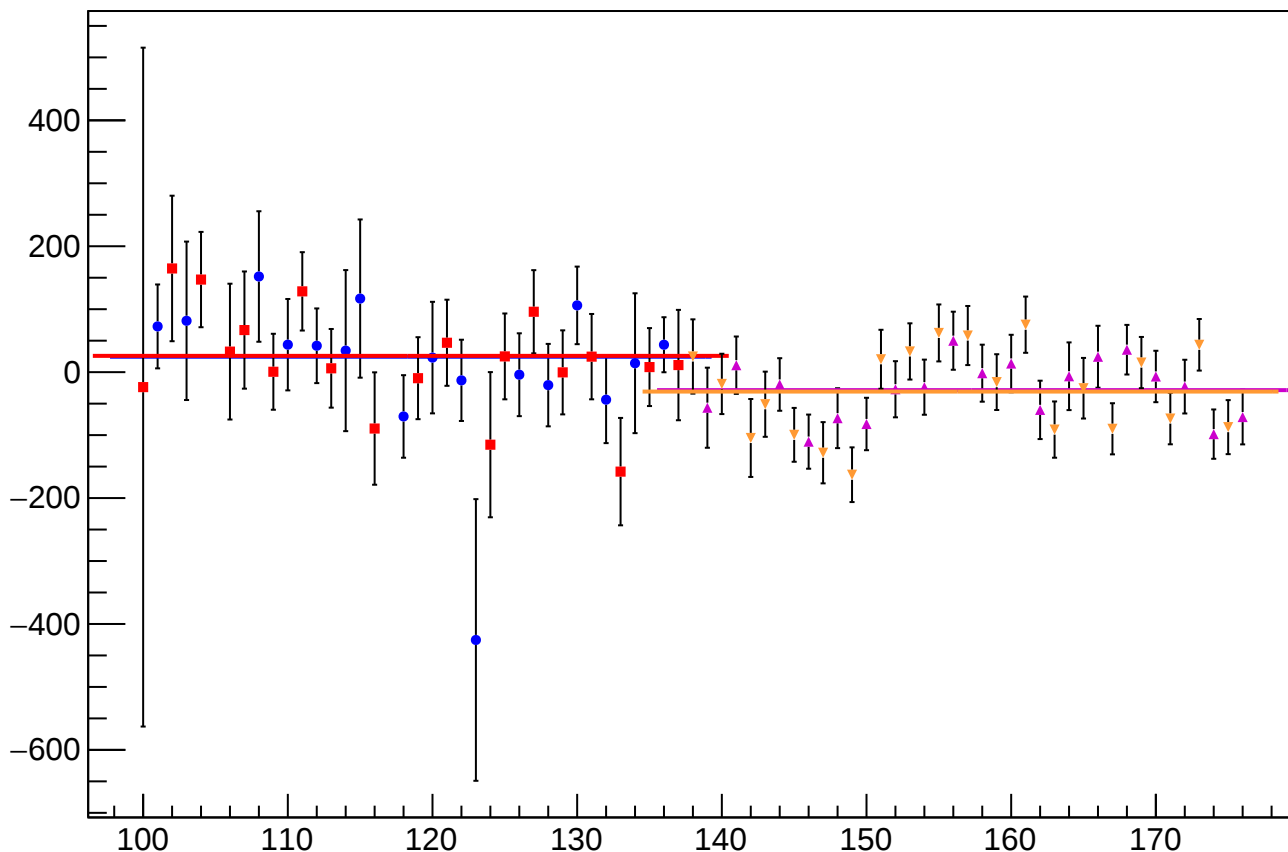
Right: 470.740 ± 0.093 $\chi^2/\text{NDF}: 1599897.5/35$

In: 365.891 ± 0.057 $\chi^2/\text{NDF}: 1851028.5/35$

Out: 369.962 ± 0.057 $\chi^2/\text{NDF}: 1966830.6/38$

All: 367.938 ± 0.040 $\chi^2/\text{NDF}: 3820403.5/74$

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584+/-17.839 χ^2/NDF : 13.0/16

Left Out: -30.823+/-10.182 χ^2/NDF : 46.5/19

Right Out: 25.884+/-17.386 χ^2/NDF : 16.8/18

Left In: -28.554+/-10.247 χ^2/NDF : 20.2/18

Left: -29.695+/-7.223 χ^2/NDF : 66.7/38

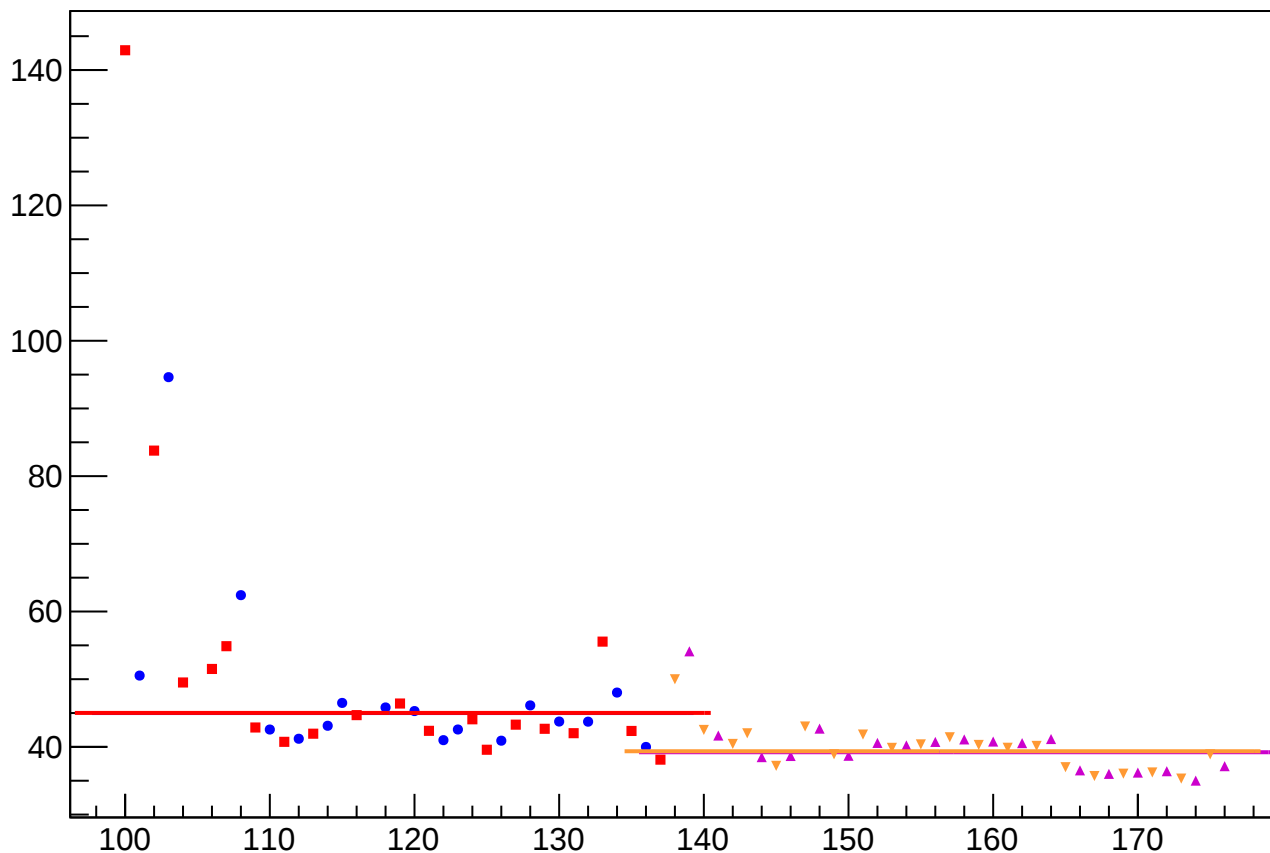
Right: 25.251+/-12.451 χ^2/NDF : 29.8/35

In: -15.370+/-8.885 χ^2/NDF : 39.9/35

Out: -16.341+/-8.786 χ^2/NDF : 71.3/38

All: -15.861+/-6.248 χ^2/NDF : 111.1/74

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: 39.355+/-0.007 χ^2/NDF :174249.9/19

Right Out: 45.017+/-0.012 χ^2/NDF : 415509.0/18

Left In: 39.209+/-0.007 χ^2/NDF :209033.9/18

Left: 39.283+/-0.005 χ^2/NDF : 383489.6/38

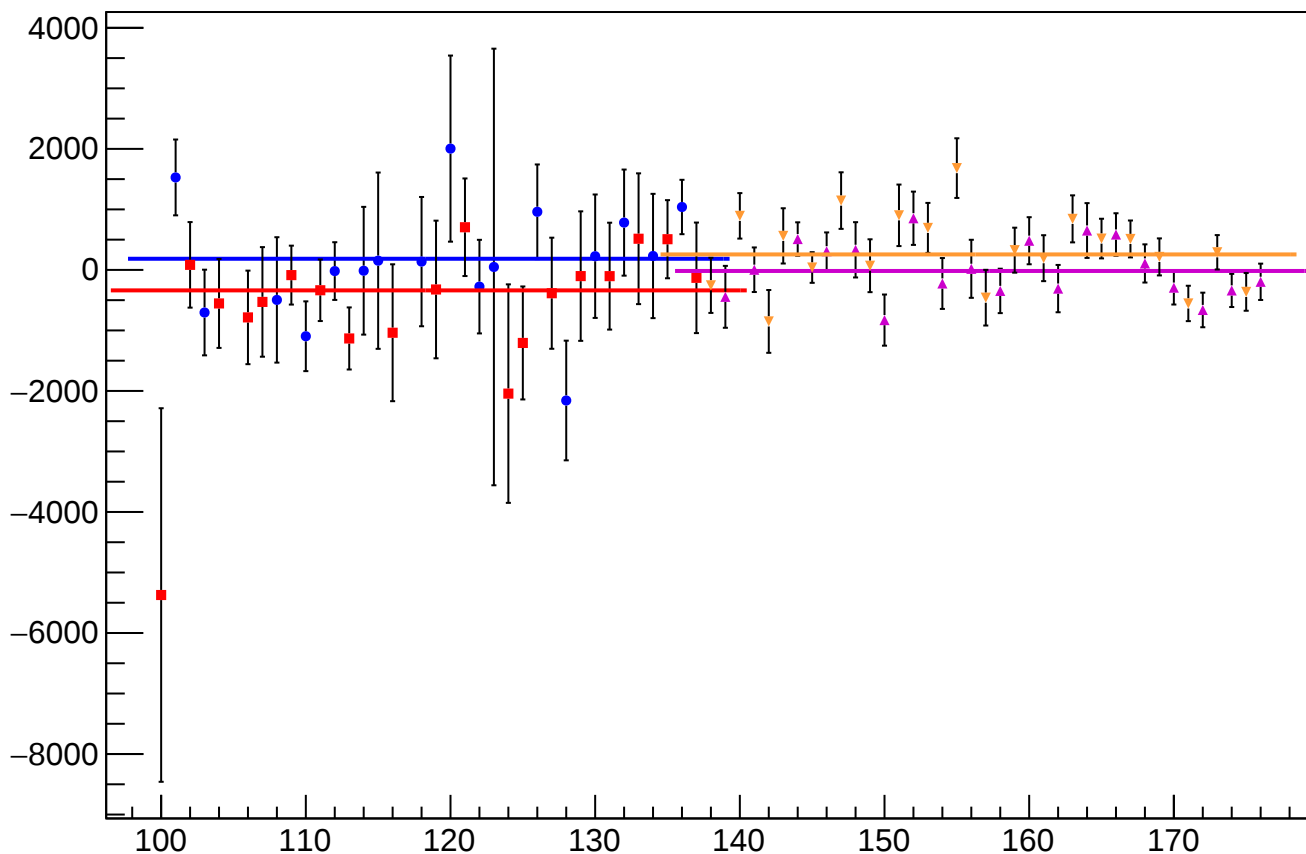
Right: 45.009+/-0.009 χ^2/NDF : 853862.6/35

In: 40.646+/-0.006 χ^2/NDF :805940.1/35

Out: 40.801+/-0.006 χ^2/NDF :747691.3/38

All: 40.724+/-0.004 χ^2/NDF : 1553940.7/74

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: 255.890 $\pm$ 81.547 χ^2 /NDF:42.5/19

Right Out: -338.329 $\pm$ 179.381 χ^2 /NDF: 12.5/18

Left In: -17.510 $\pm$ 80.772 χ^2 /NDF:29.9/18

Left: 117.884 $\pm$ 57.387 χ^2 /NDF: 78.2/38

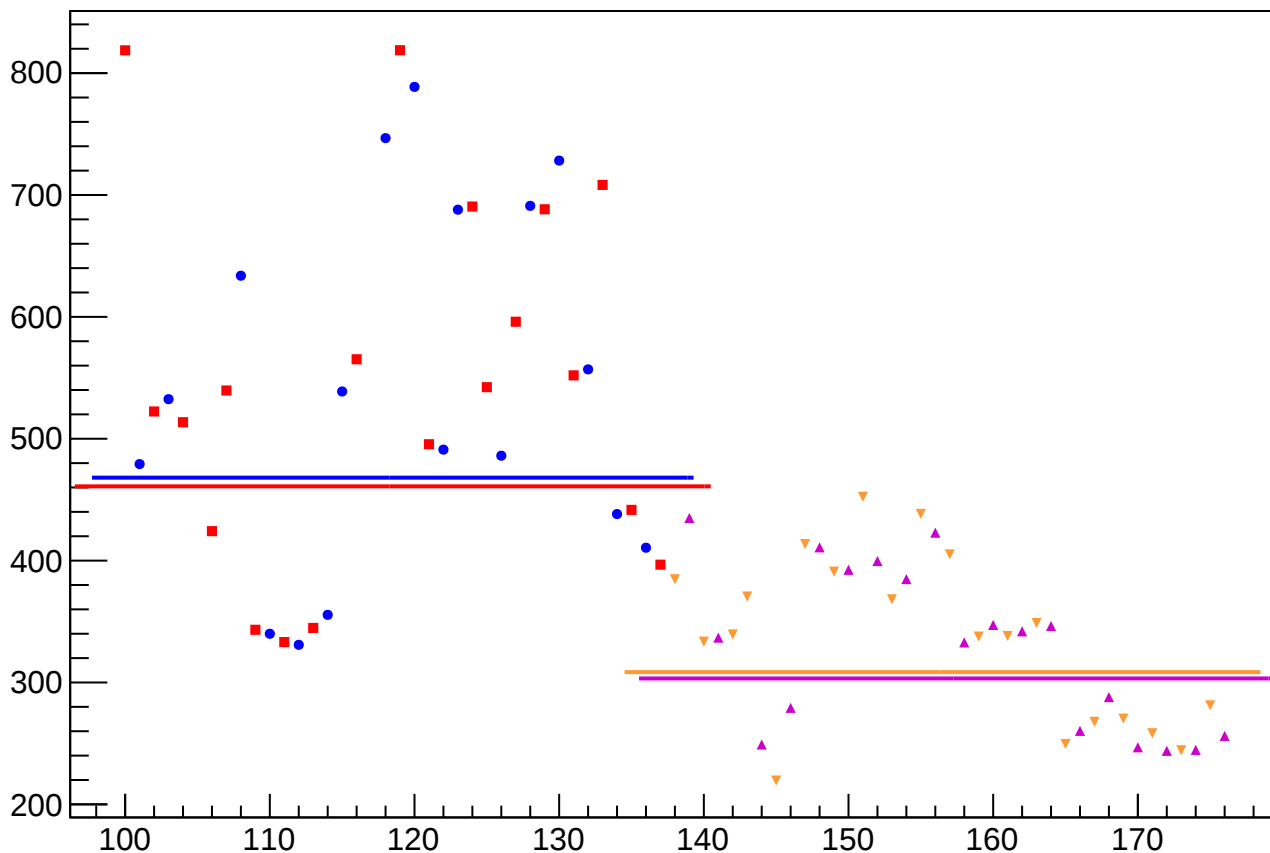
Right: -90.096 $\pm$ 129.965 χ^2 /NDF: 40.7/35

In: 13.762 $\pm$ 74.247 χ^2 /NDF:55.1/35

Out: 154.119 $\pm$ 74.236 χ^2 /NDF:64.1/38

All: 83.950 $\pm$ 52.497 χ^2 /NDF: 121.0/74

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 308.515 $\pm$ 0.058 χ^2 /NDF: 1311180.9/19

Right Out: 460.939 $\pm$ 0.127 χ^2 /NDF: 955028.5/18

Left In: 303.307 $\pm$ 0.057 χ^2 /NDF: 1153537.7/18

Left: 305.887 $\pm$ 0.041 χ^2 /NDF: 2468836.0/38

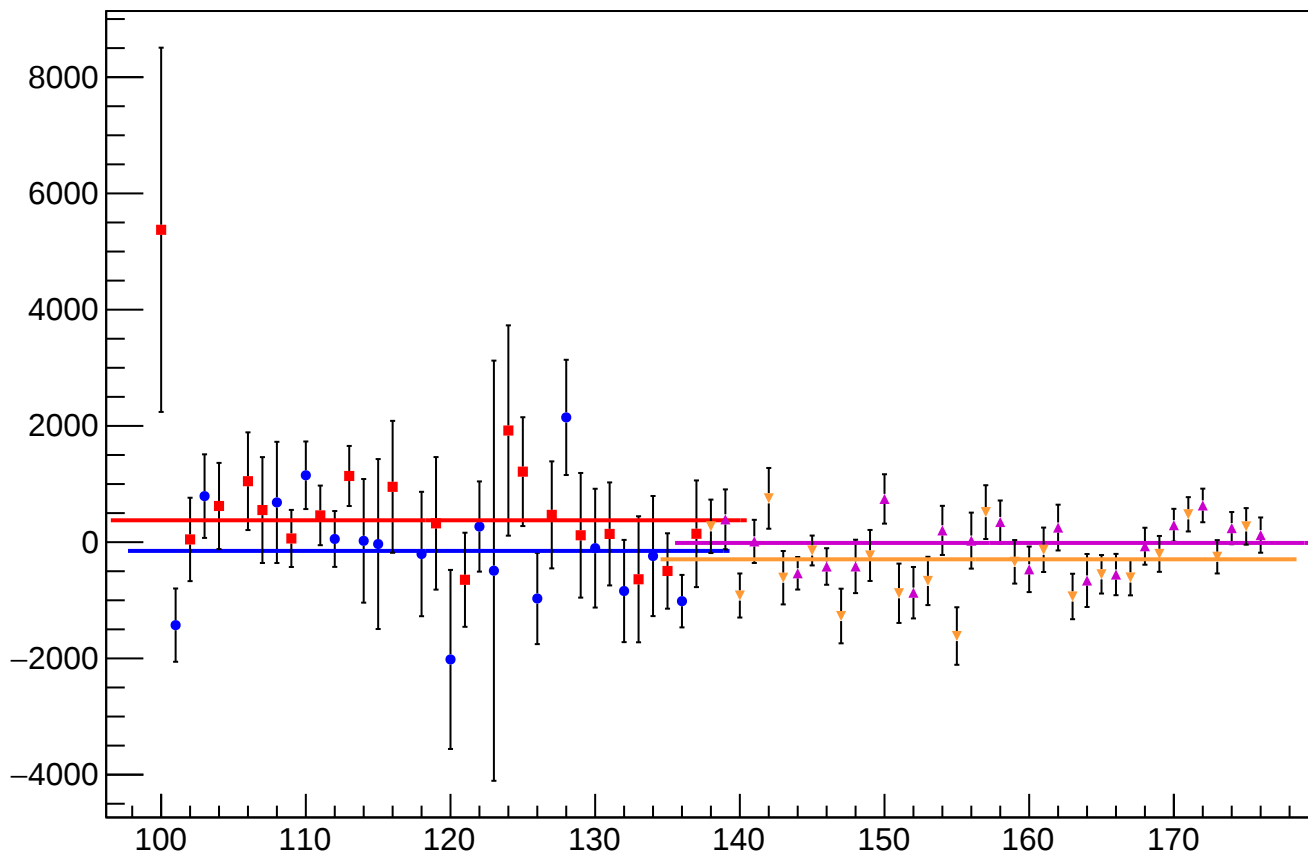
Right: 464.328 $\pm$ 0.092 χ^2 /NDF: 1836849.7/35

In: 328.854 $\pm$ 0.053 χ^2 /NDF: 3324175.2/35

Out: 334.621 $\pm$ 0.052 χ^2 /NDF: 3462939.6/38

All: 331.738 $\pm$ 0.037 χ^2 /NDF: 6793149.1/74

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305 $\pm$ 189.729 χ^2 /NDF: 24.2/16

Left Out: -294.758 $\pm$ 82.256 χ^2 /NDF:40.5/19

Right Out: 376.554 $\pm$ 181.258 χ^2 /NDF: 12.4/18

Left In: -13.115 $\pm$ 81.489 χ^2 /NDF:28.0/18

Left: -152.616 $\pm$ 57.891 χ^2 /NDF: 74.4/38

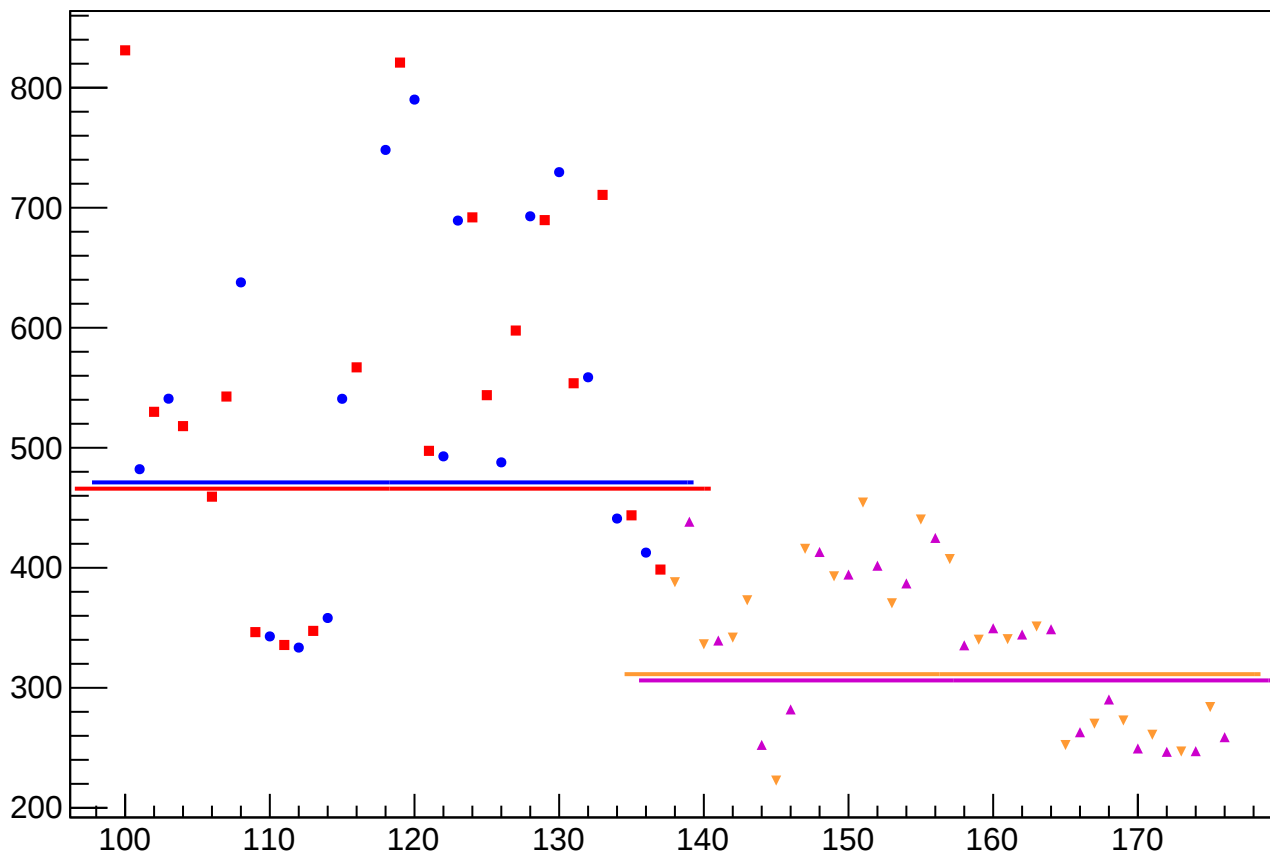
Right: 125.150 $\pm$ 131.061 χ^2 /NDF: 40.7/35

In: -34.481 $\pm$ 74.875 χ^2 /NDF:52.7/35

Out: -180.116 $\pm$ 74.904 χ^2 /NDF:64.2/38

All: -107.270 $\pm$ 52.955 χ^2 /NDF: 118.8/74

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 311.379+/-0.058 χ^2/NDF :1281065.0/19

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

Left In: 306.159+/-0.058 χ^2/NDF :1128819.5/18

Left: 308.744+/-0.041 χ^2/NDF : 2413949.8/38

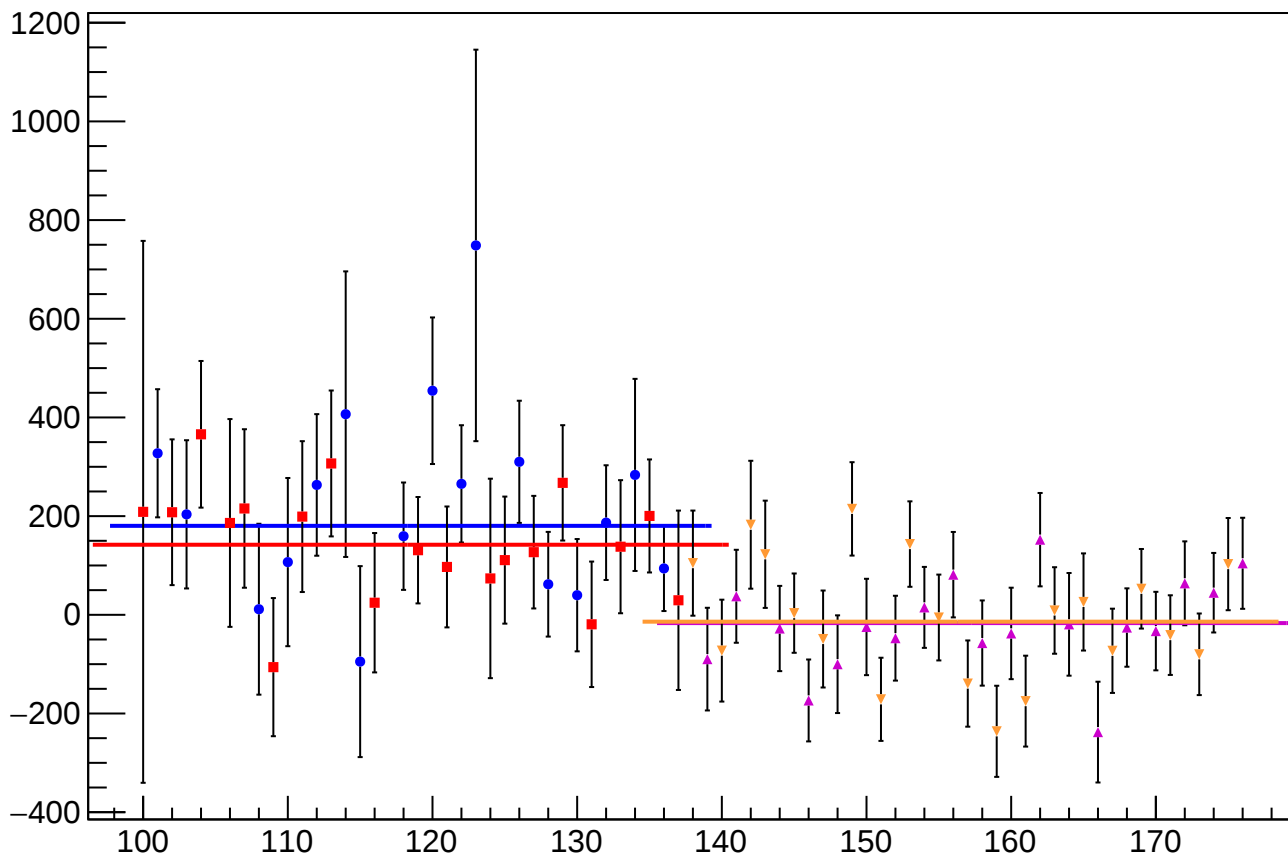
Right: 468.427+/-0.093 χ^2/NDF : 1813145.9/35

In: 331.856+/-0.053 χ^2/NDF :3277656.6/35

Out: 337.773+/-0.053 χ^2/NDF :3427413.9/38

All: 334.813+/-0.037 χ^2/NDF : 6711314.1/74

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326+/-32.769 χ^2/NDF : 16.6/16

Left Out: -13.901+/-20.382 χ^2/NDF : 32.9/19

Right Out: 142.040+/-32.338 χ^2/NDF : 11.7/18

Left In: -16.770+/-20.477 χ^2/NDF : 18.1/18

Left: -15.329+/-14.446 χ^2/NDF : 51.0/38

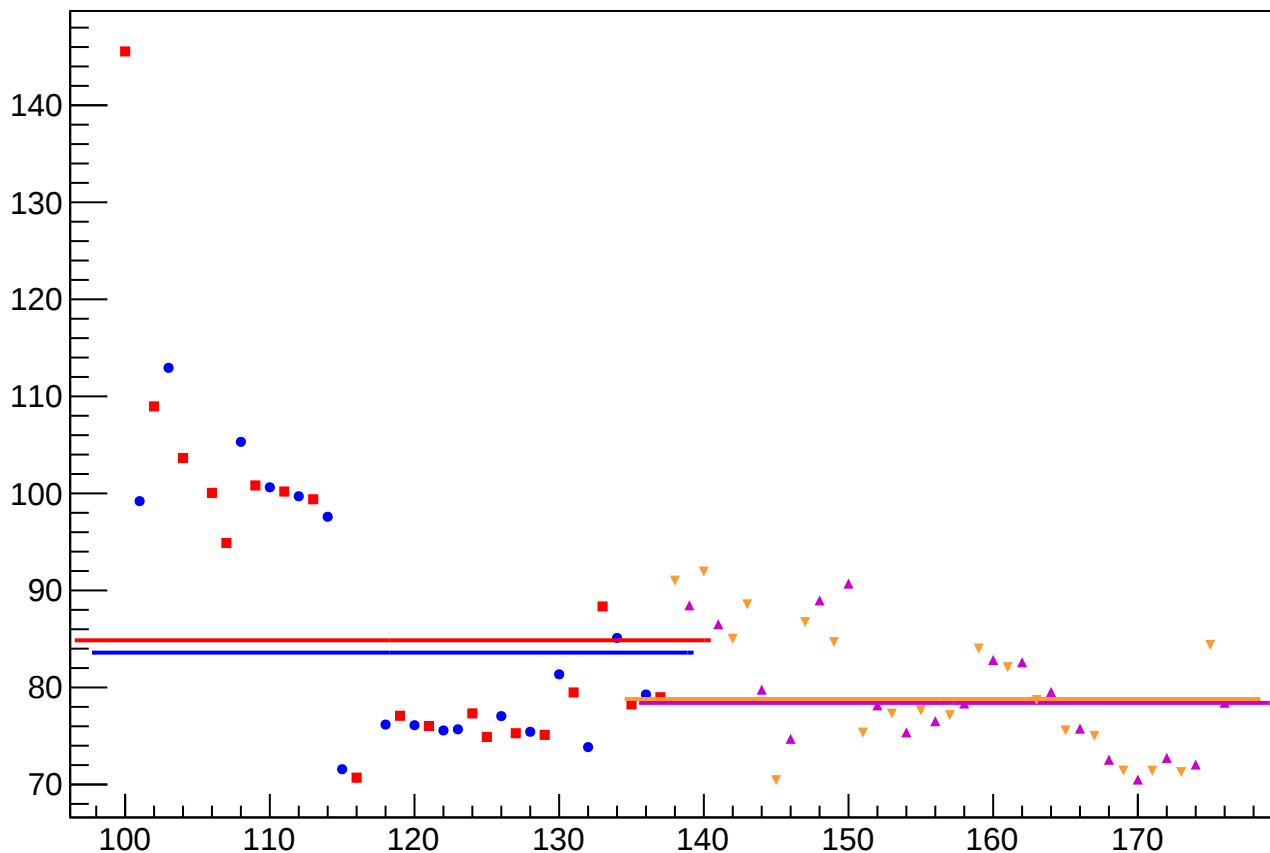
Right: 160.930+/-23.017 χ^2/NDF : 28.9/35

In: 38.578+/-17.365 χ^2/NDF : 60.7/35

Out: 30.436+/-17.243 χ^2/NDF : 61.2/38

All: 34.478+/-12.236 χ^2/NDF : 122.0/74

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 78.815 $\pm$ 0.014 χ^2 /NDF: 198948.2/19

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

Left In: 78.413 $\pm$ 0.014 χ^2 /NDF: 158106.5/18

Left: 78.615 $\pm$ 0.010 χ^2 /NDF: 357442.2/38

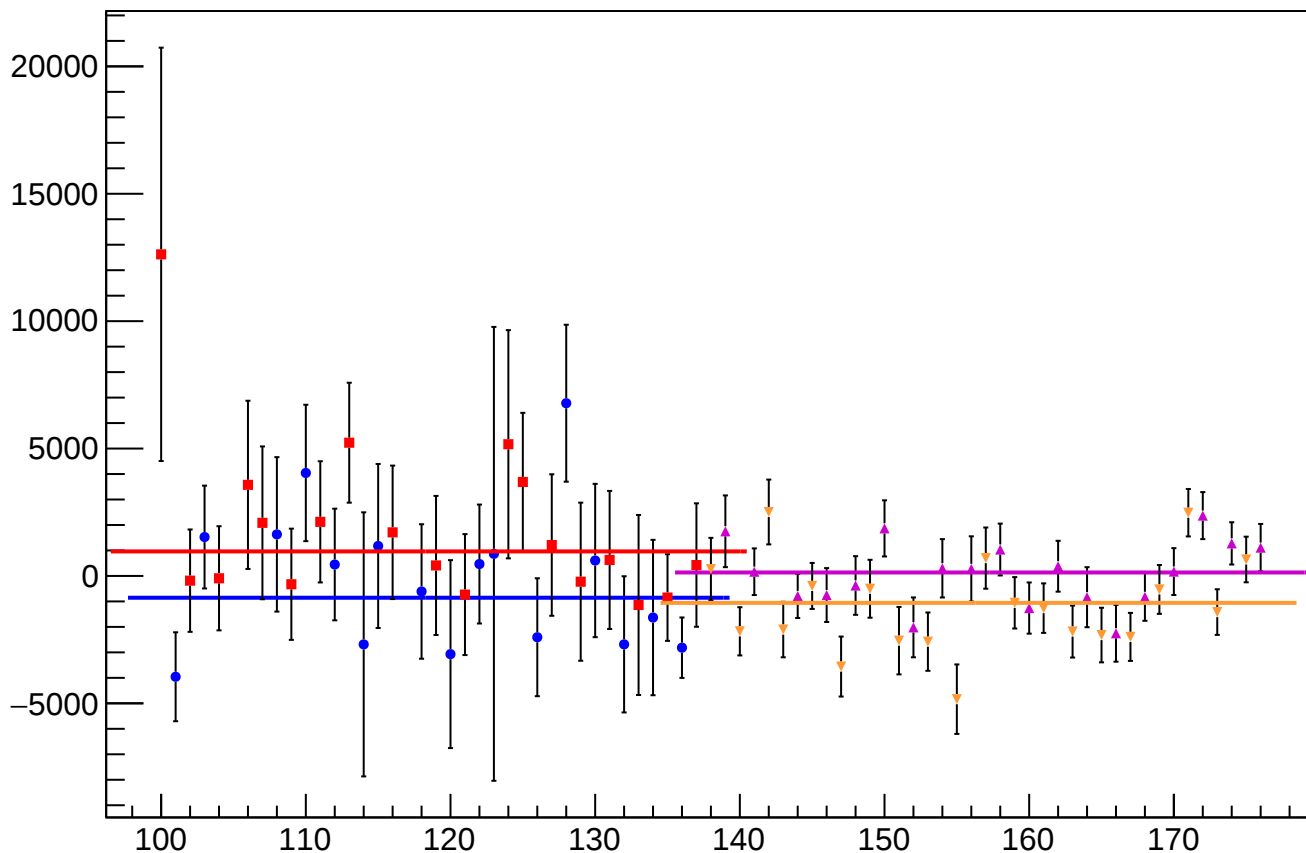
Right: 84.234 $\pm$ 0.016 χ^2 /NDF: 548050.9/35

In: 79.867 $\pm$ 0.012 χ^2 /NDF: 449934.8/35

Out: 80.534 $\pm$ 0.012 χ^2 /NDF: 539583.3/38

All: 80.203 $\pm$ 0.009 χ^2 /NDF: 991004.3/74

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: -1057.132+/-234.015 χ^2/NDF : 52.6/19

Right Out: 962.932+/-589.071 χ^2/NDF : 11.5/18

Left In: 136.000+/-234.491 χ^2/NDF : 27.1/18

Left: -461.779+/-165.642 χ^2/NDF : 92.7/38

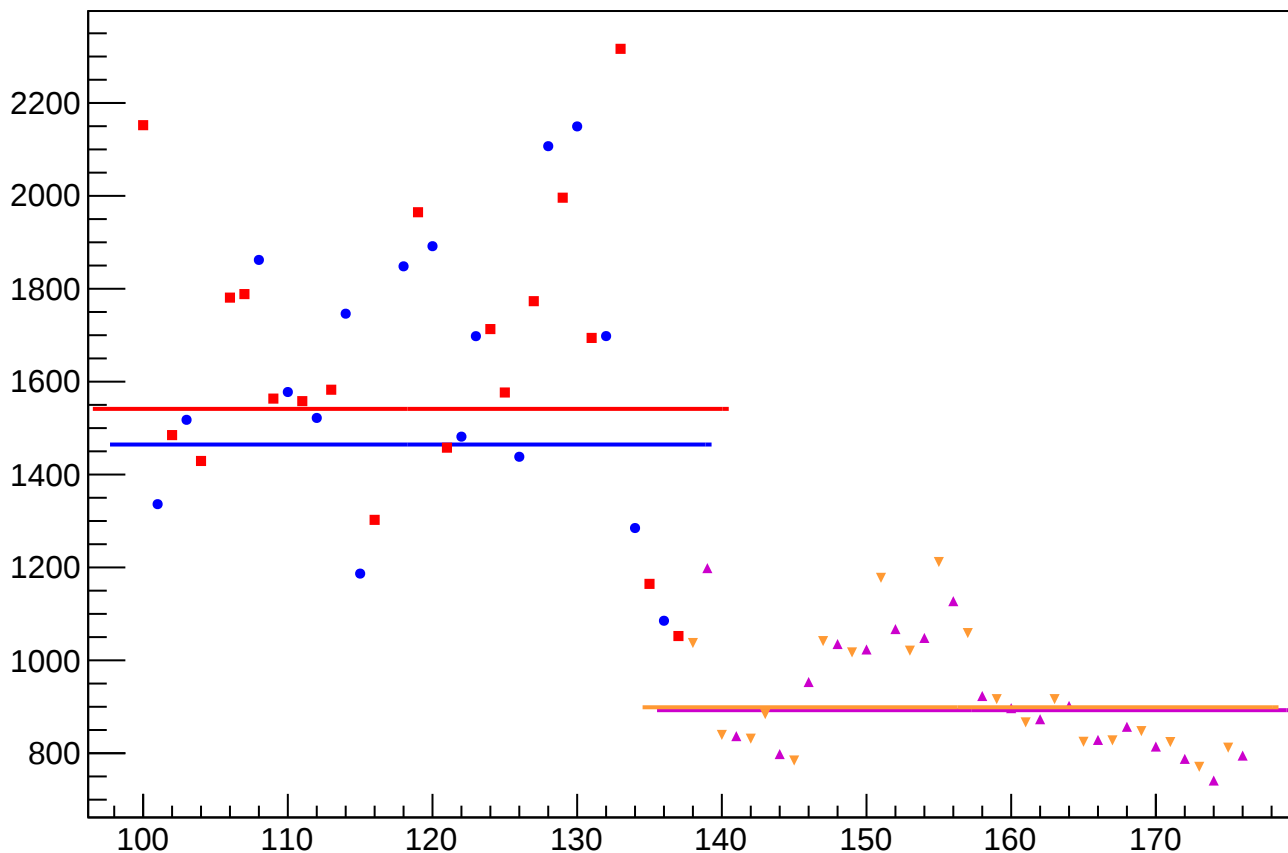
Right: 44.847+/-414.477 χ^2/NDF : 36.6/35

In: -1.921+/-217.568 χ^2/NDF : 49.9/35

Out: -781.787+/-217.482 χ^2/NDF : 74.3/38

All: -392.008+/-153.813 χ^2/NDF : 130.7/74

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636+/-0.412 χ^2/NDF : 560863.4/16

Left Out: 898.936+/-0.165 χ^2/NDF : 477397.2/19

Right Out: 1541.388+/-0.417 χ^2/NDF : 453710.5/18

Left In: 892.687+/-0.166 χ^2/NDF : 480707.4/18

Left: 895.818+/-0.117 χ^2/NDF : 958816.3/38

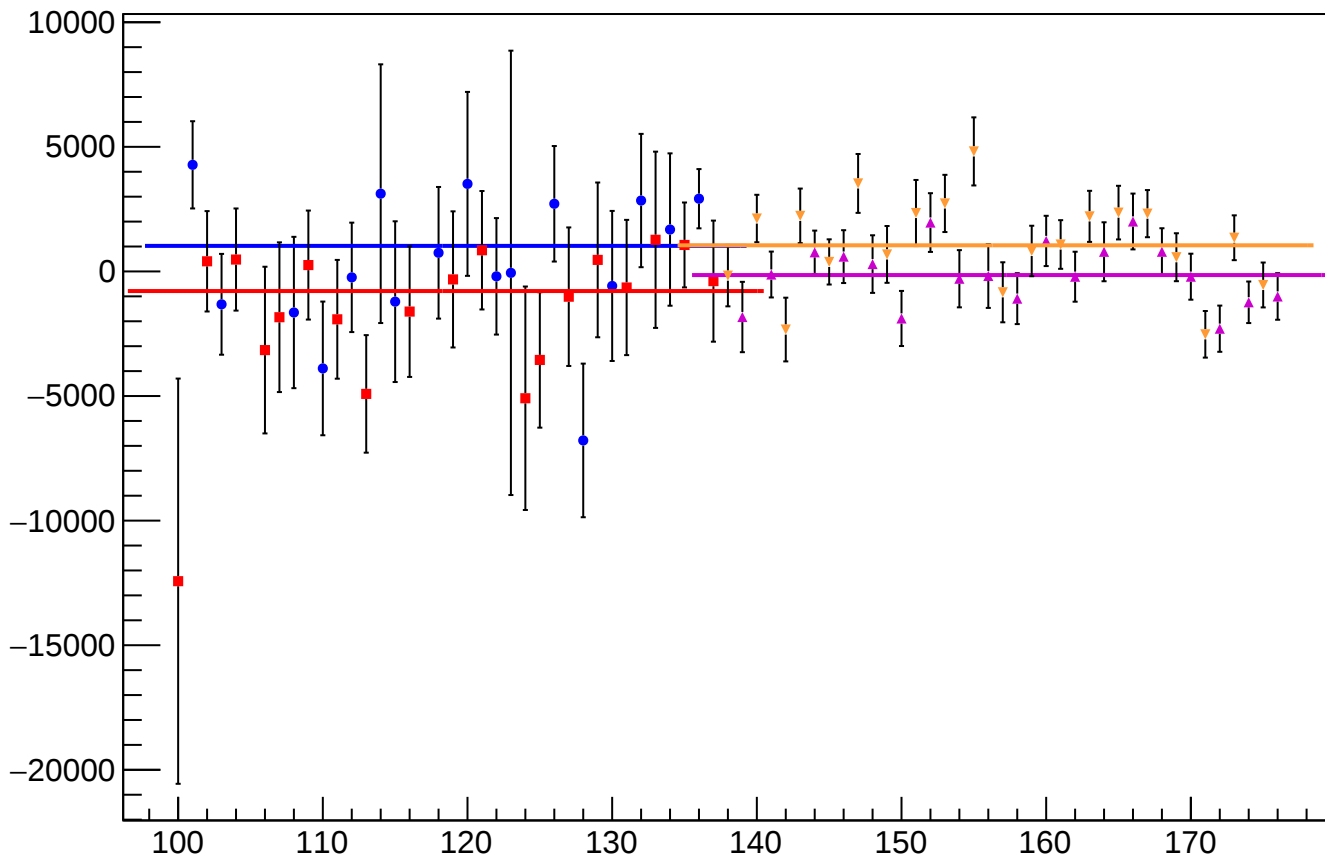
Right: 1502.634+/-0.293 χ^2/NDF : 1031717.7/35

In: 972.262+/-0.154 χ^2/NDF : 2697007.6/35

Out: 986.506+/-0.154 χ^2/NDF : 2985750.7/38

All: 979.387+/-0.109 χ^2/NDF : 5687045.9/74

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527+/-584.500 χ^2/NDF : 20.9/16

Left Out: 1048.611+/-234.984 χ^2/NDF : 51.3/19

Right Out: -787.007+/-590.388 χ^2/NDF : 11.2/18

Left In: -145.383+/-235.451 χ^2/NDF : 24.8/18

Left: 452.800+/-166.324 χ^2/NDF : 89.0/38

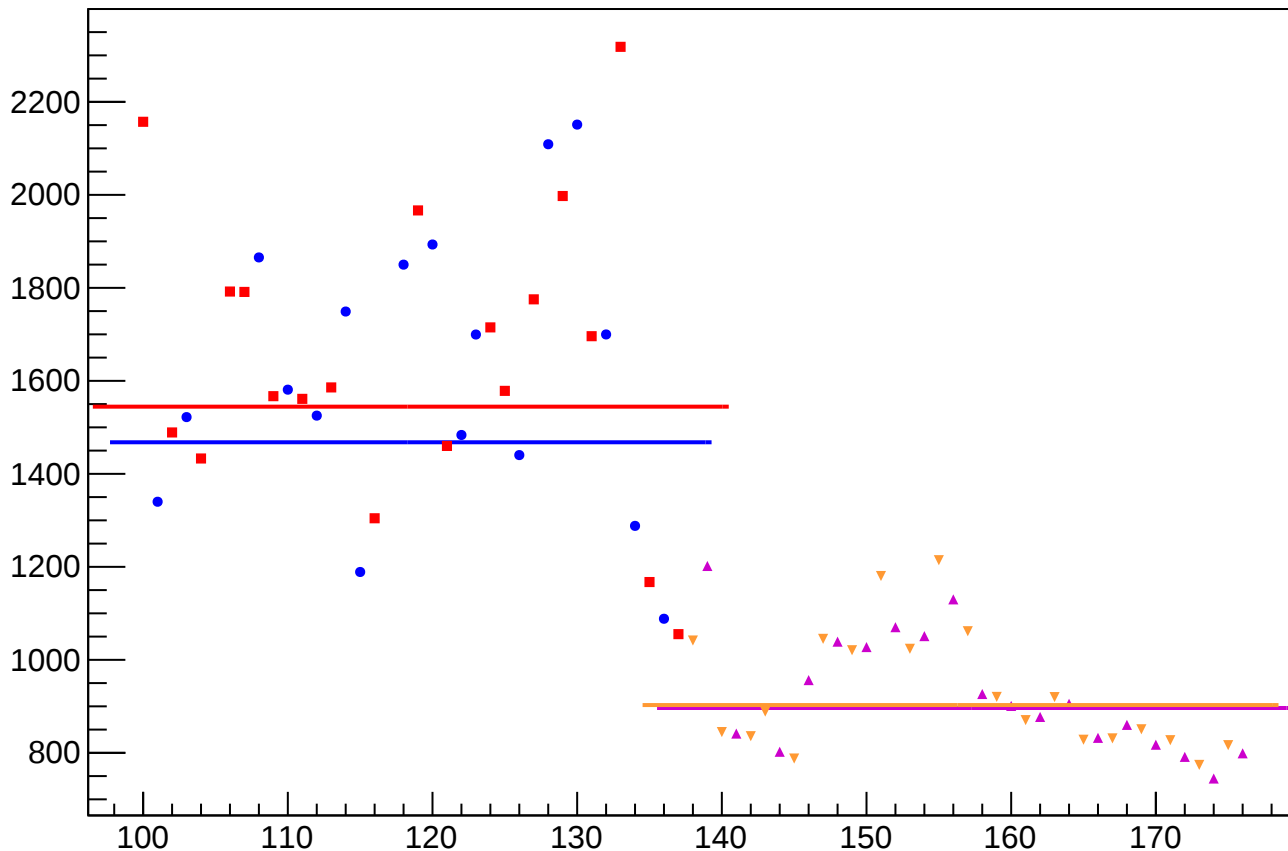
Right: 128.343+/-415.370 χ^2/NDF : 36.9/35

In: 18.092+/-218.397 χ^2/NDF : 49.2/35

Out: 797.585+/-218.326 χ^2/NDF : 70.9/38

All: 407.966+/-154.405 χ^2/NDF : 126.4/74

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 902.771+/-0.166 χ^2/NDF : 472378.6/19

Right Out: 1544.513+/-0.417 χ^2/NDF : 451805.9/18

Left In: 896.440+/-0.166 χ^2/NDF : 475784.1/18

Left: 899.611+/-0.118 χ^2/NDF : 948887.2/38

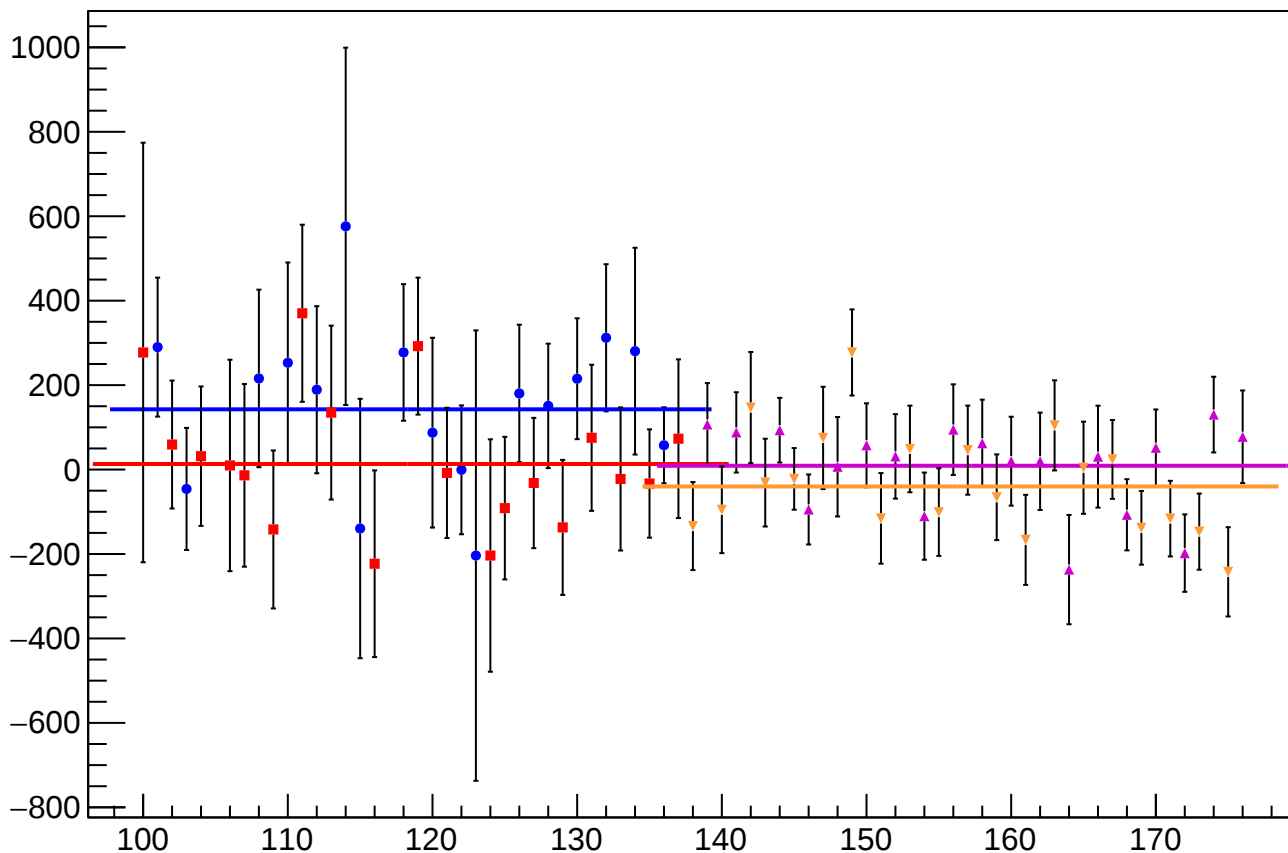
Right: 1505.825+/-0.294 χ^2/NDF : 1026270.9/35

In: 976.224+/-0.154 χ^2/NDF : 2678128.3/35

Out: 990.531+/-0.154 χ^2/NDF : 2964100.3/38

All: 983.380+/-0.109 χ^2/NDF : 5646521.6/74

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: -40.051 $\pm$ 22.396 χ^2 /NDF:27.0/19

Right Out: 13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

Left In: 8.985 $\pm$ 22.588 χ^2 /NDF:20.1/18

Left: -15.742 $\pm$ 15.904 χ^2 /NDF: 49.4/38

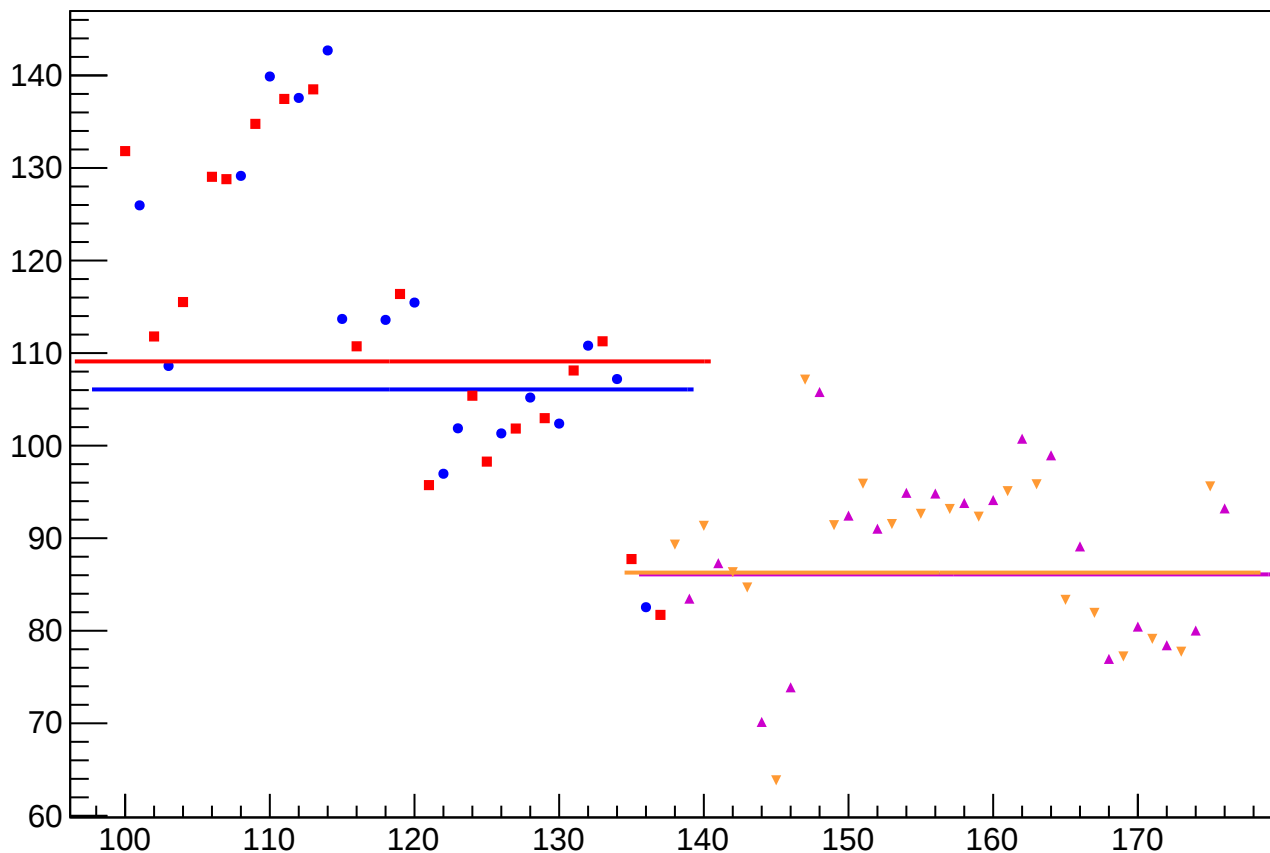
Right: 77.572 $\pm$ 29.352 χ^2 /NDF: 25.0/35

In: 39.400 $\pm$ 19.853 χ^2 /NDF:37.4/35

Out: -27.999 $\pm$ 19.698 χ^2 /NDF:39.1/38

All: 5.436 $\pm$ 13.983 χ^2 /NDF: 82.3/74

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: 86.284 $\pm$ 0.016 χ^2 /NDF:408003.8/19

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

Left In: 86.089 $\pm$ 0.016 χ^2 /NDF:367355.5/18

Left: 86.187 $\pm$ 0.011 χ^2 /NDF: 775434.4/38

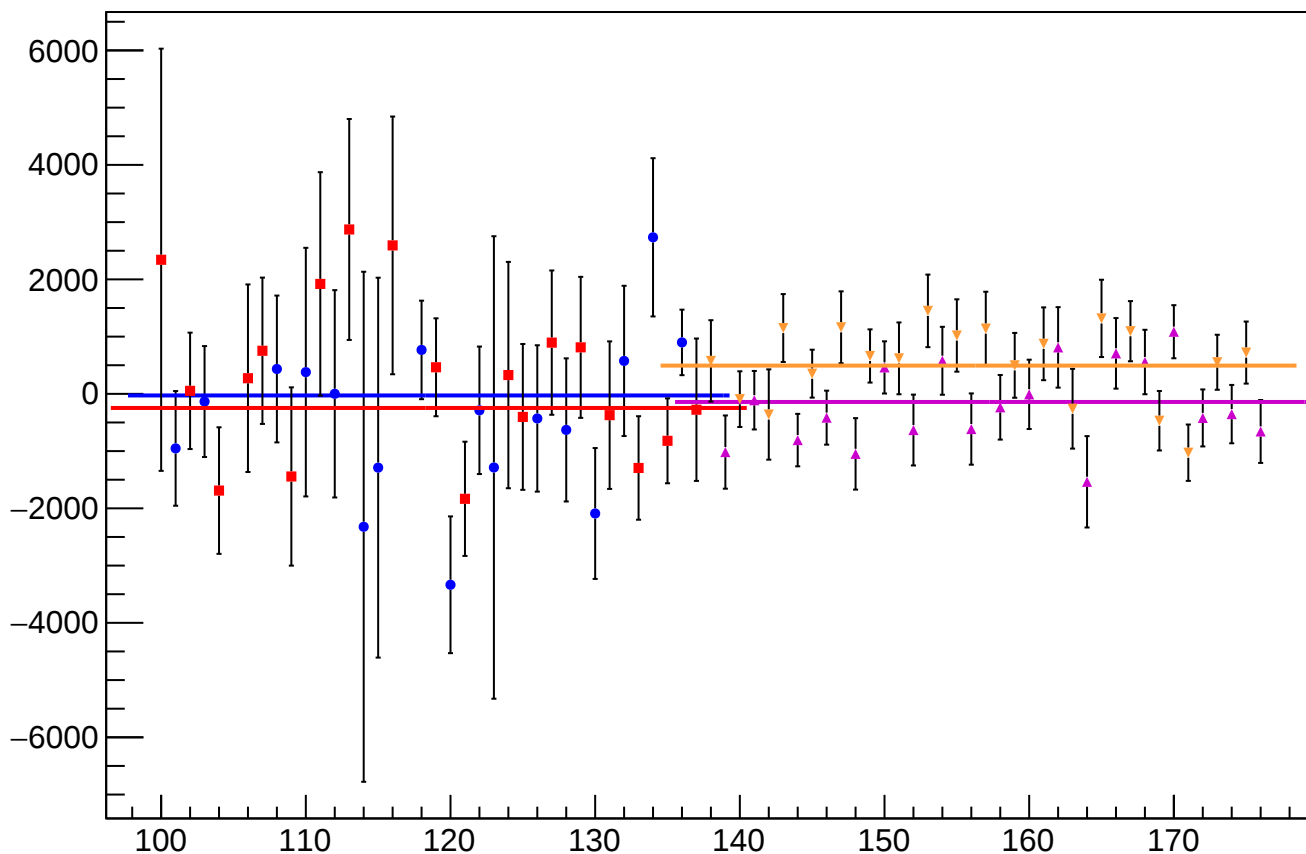
Right: 107.595 $\pm$ 0.021 χ^2 /NDF: 608619.1/35

In: 90.635 $\pm$ 0.014 χ^2 /NDF:1041408.4/35

Out: 91.450 $\pm$ 0.014 χ^2 /NDF:1163418.0/38

All: 91.046 $\pm$ 0.010 χ^2 /NDF: 2206524.7/74

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 $\pm$ 283.741 χ^2 /NDF: 20.5/16

Left Out: 493.632 $\pm$ 126.499 χ^2 /NDF:26.8/19

Right Out: -246.386 $\pm$ 279.451 χ^2 /NDF: 15.9/18

Left In: -141.572 $\pm$ 126.968 χ^2 /NDF:27.6/18

Left: 177.204 $\pm$ 89.614 χ^2 /NDF: 67.0/38

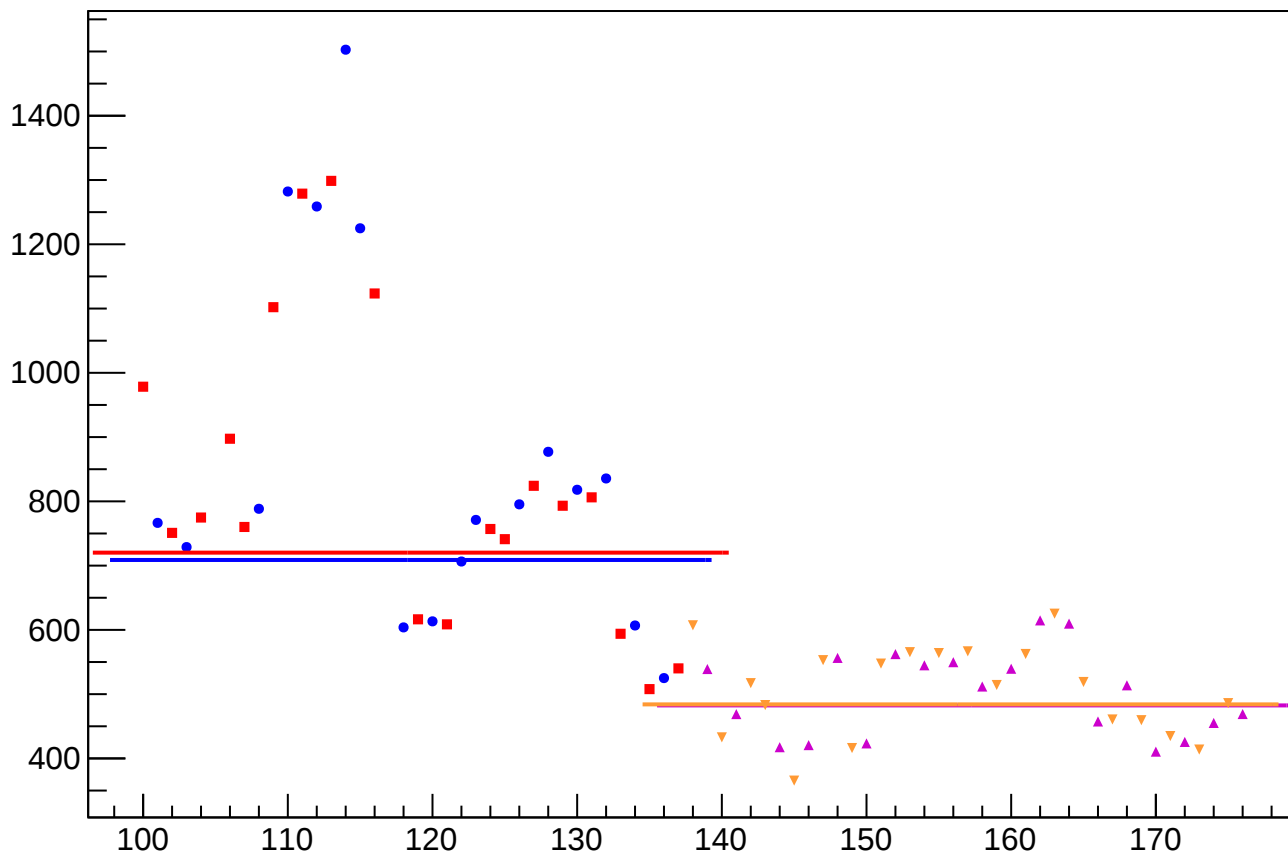
Right: -138.842 $\pm$ 199.101 χ^2 /NDF: 36.7/35

In: -122.620 $\pm$ 115.894 χ^2 /NDF:48.3/35

Out: 367.782 $\pm$ 115.242 χ^2 /NDF:48.4/38

All: 123.964 $\pm$ 81.718 χ^2 /NDF: 105.7/74

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: 484.086 $\pm$ 0.089 χ^2 /NDF: 625859.6/19

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

Left In: 482.486 $\pm$ 0.090 χ^2 /NDF: 467508.0/18

Left: 483.289 $\pm$ 0.063 χ^2 /NDF: 1093527.1/38

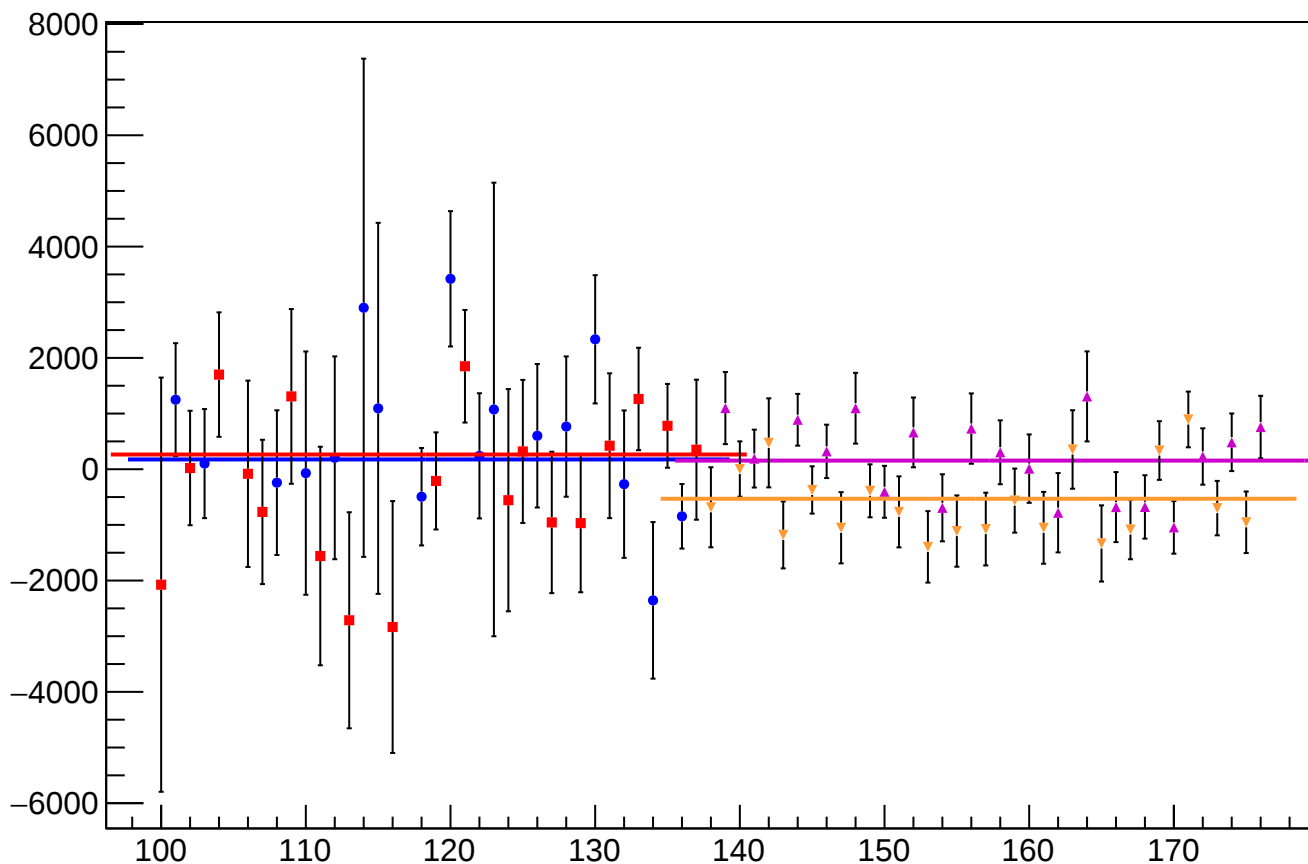
Right: 714.580 $\pm$ 0.141 χ^2 /NDF: 1695116.1/35

In: 520.239 $\pm$ 0.082 χ^2 /NDF: 2320984.8/35

Out: 524.241 $\pm$ 0.081 χ^2 /NDF: 2710773.6/38

All: 522.251 $\pm$ 0.058 χ^2 /NDF: 5032957.0/74

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -530.454 $\pm$ 128.608 χ^2 /NDF:24.5/19

Right Out: 264.622 $\pm$ 283.074 χ^2 /NDF: 14.8/18

Left In: 155.197 $\pm$ 129.085 χ^2 /NDF:27.6/18

Left: -188.898 $\pm$ 91.108 χ^2 /NDF: 66.3/38

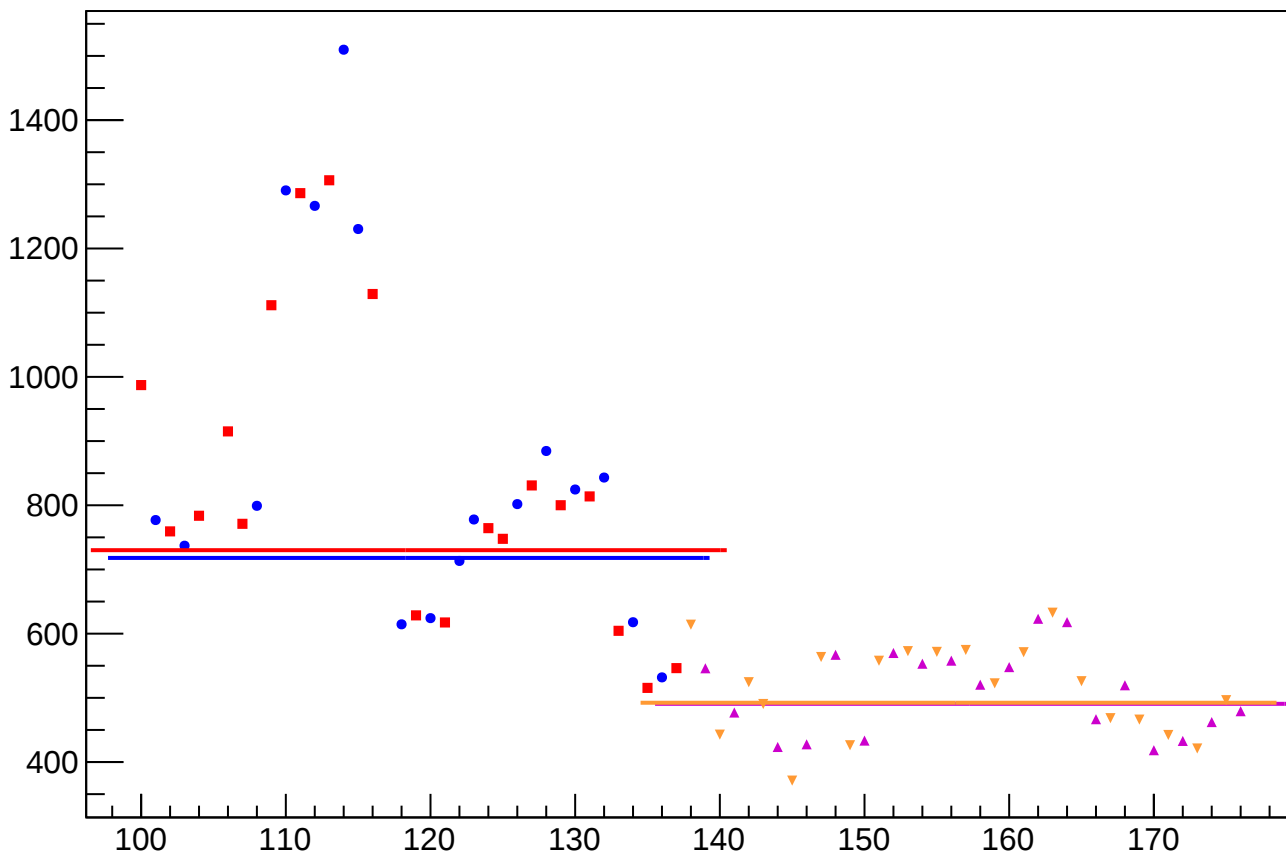
Right: 220.883 $\pm$ 201.613 χ^2 /NDF: 34.6/35

In: 158.668 $\pm$ 117.740 χ^2 /NDF:47.4/35

Out: -394.420 $\pm$ 117.090 χ^2 /NDF:45.8/38

All: -119.408 $\pm$ 83.024 χ^2 /NDF: 104.3/74

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973 $\pm$ 0.203 χ^2/NDF : 778580.1/16

Left Out: 492.384 $\pm$ 0.091 χ^2/NDF : 612371.6/19

Right Out: 730.040 $\pm$ 0.200 χ^2/NDF : 881842.0/18

Left In: 490.686 $\pm$ 0.091 χ^2/NDF : 456623.1/18

Left: 491.538 $\pm$ 0.064 χ^2/NDF : 1069168.4/38

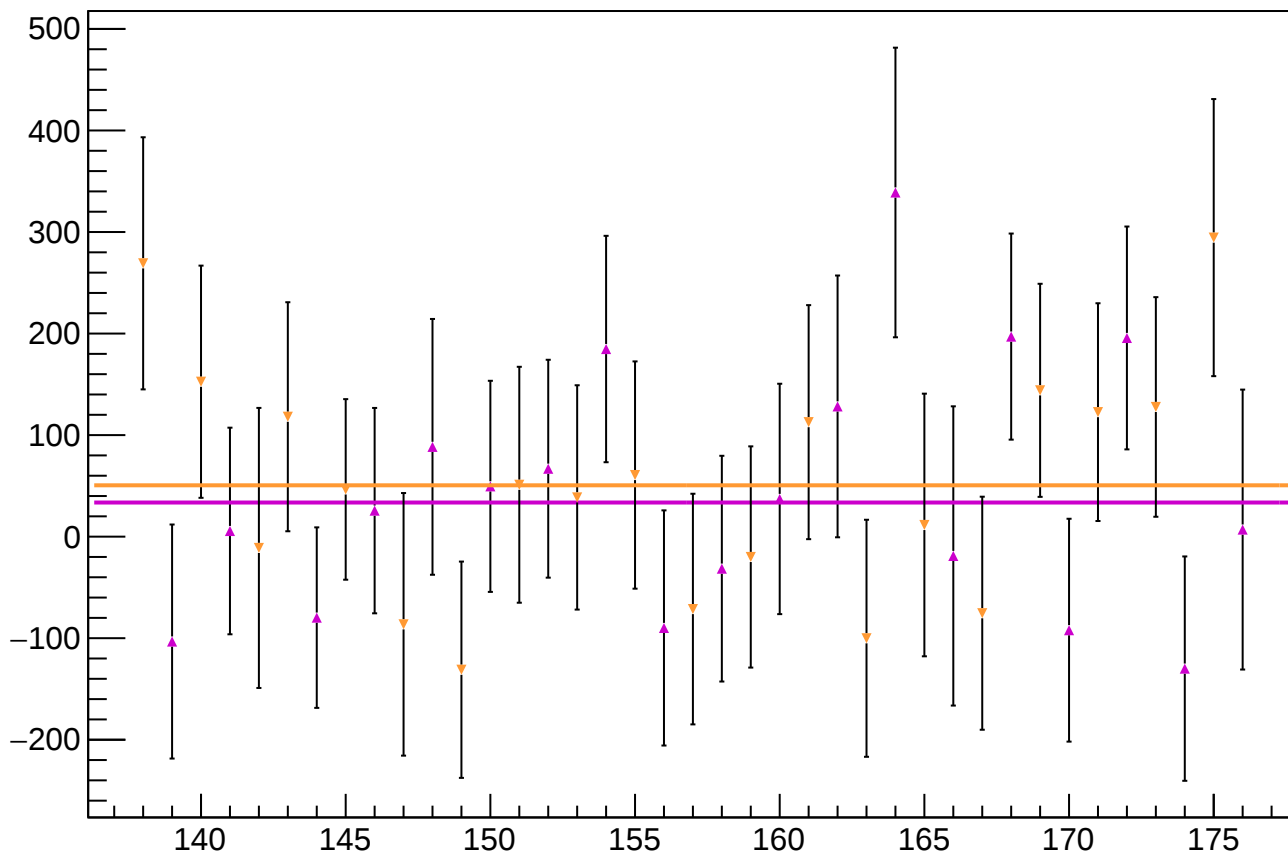
Right: 724.094 $\pm$ 0.143 χ^2/NDF : 1662212.8/35

In: 528.881 $\pm$ 0.083 χ^2/NDF : 2277172.8/35

Out: 533.046 $\pm$ 0.083 χ^2/NDF : 2662720.5/38

All: 530.975 $\pm$ 0.059 χ^2/NDF : 4941151.8/74

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 50.564 $\pm$ 25.431 χ^2 /NDF:18.3/19

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

Left In: 33.604 $\pm$ 25.772 χ^2 /NDF:20.3/18

Left: 42.197 $\pm$ 18.102 χ^2 /NDF: 38.8/38

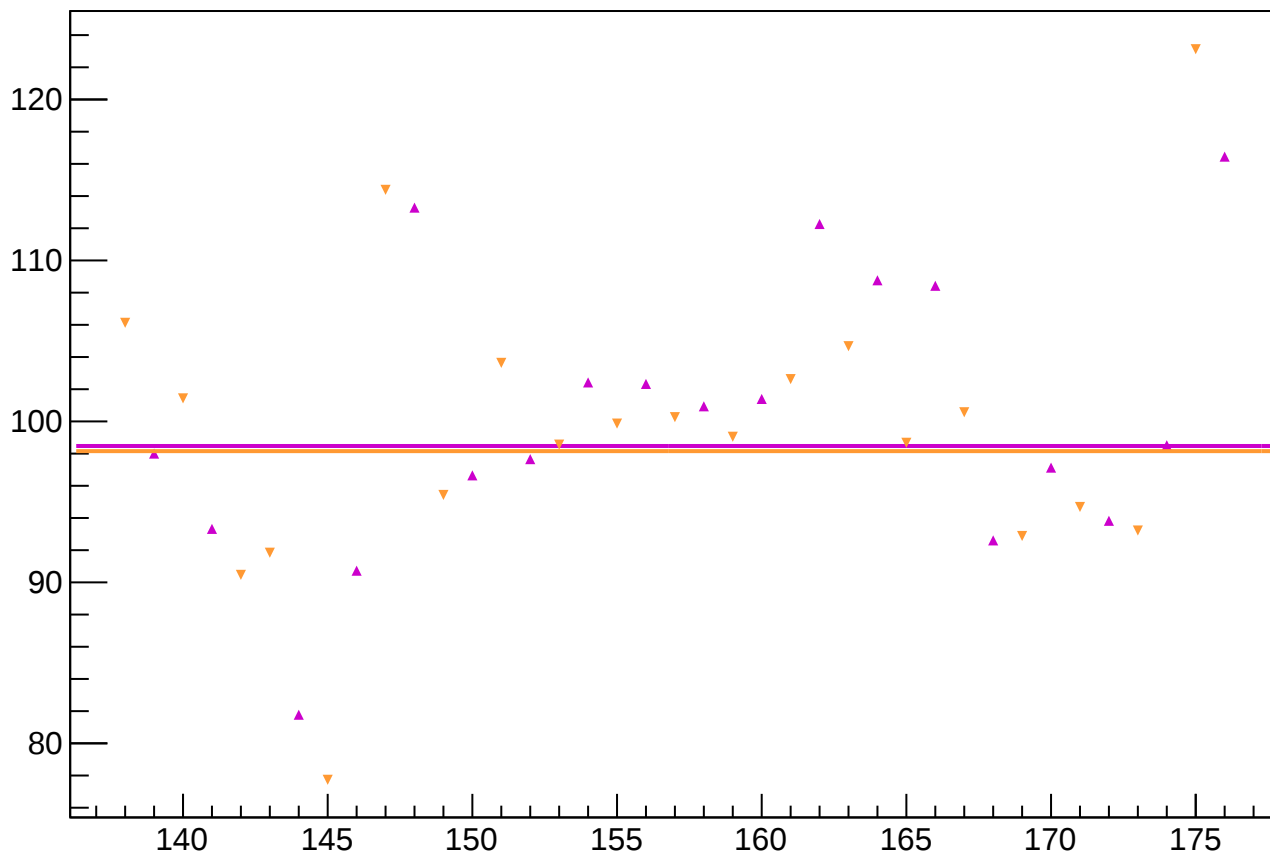
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 33.604 $\pm$ 25.772 χ^2 /NDF:20.3/18

Out: 50.564 $\pm$ 25.431 χ^2 /NDF:18.3/19

All: 42.197 $\pm$ 18.102 χ^2 /NDF: 38.8/38

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 98.153+/-0.018 χ^2/NDF :254883.9/19

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

Left In: 98.473+/-0.018 χ^2/NDF :209907.6/18

Left: 98.311+/-0.013 χ^2/NDF : 464947.7/38

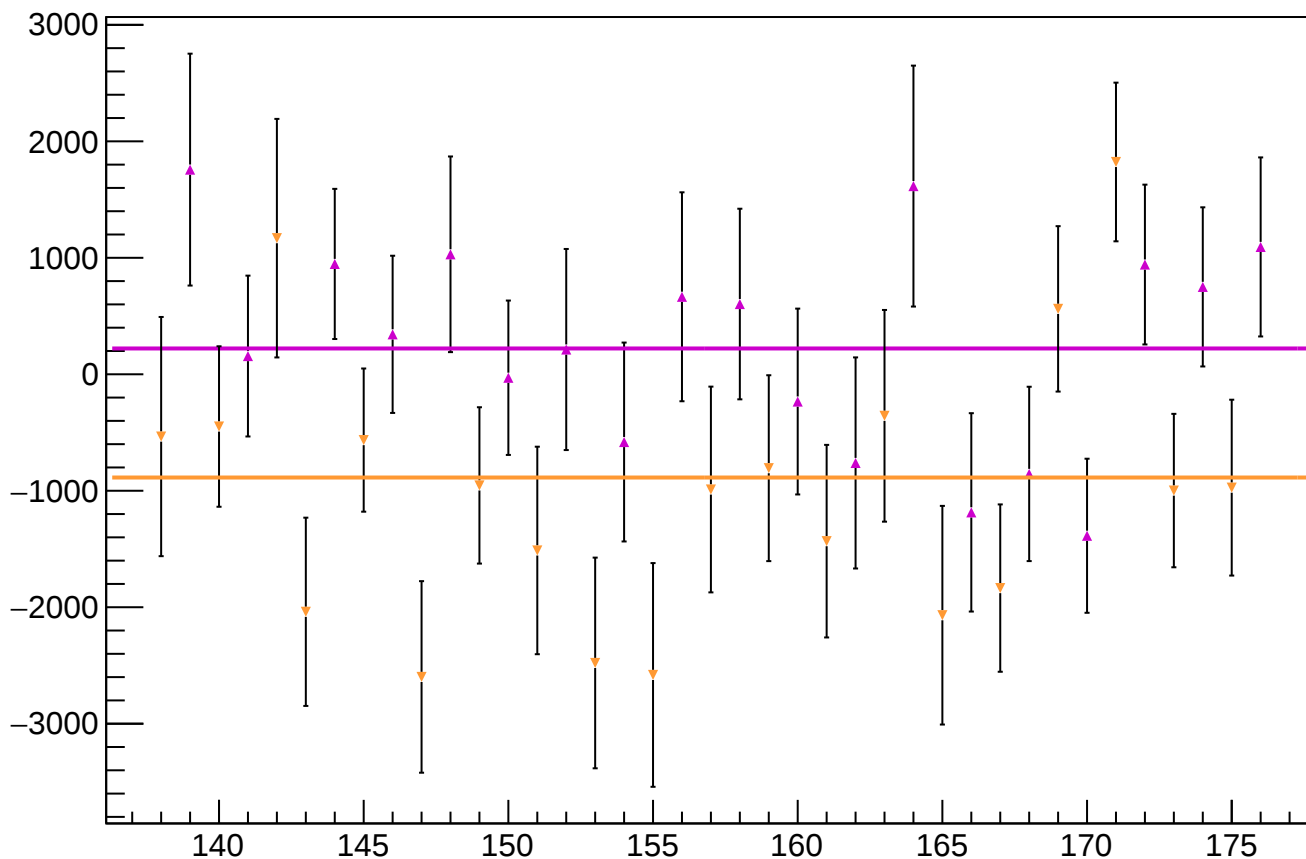
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 98.473+/-0.018 χ^2/NDF :209907.6/18

Out: 98.153+/-0.018 χ^2/NDF :254883.9/19

All: 98.311+/-0.013 χ^2/NDF : 464947.7/38

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -886.331+/-176.088 χ^2/NDF : 42.1/19

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

Left In: 221.573+/-176.808 χ^2/NDF : 23.1/18

Left: -334.638+/-124.767 χ^2/NDF : 84.9/38

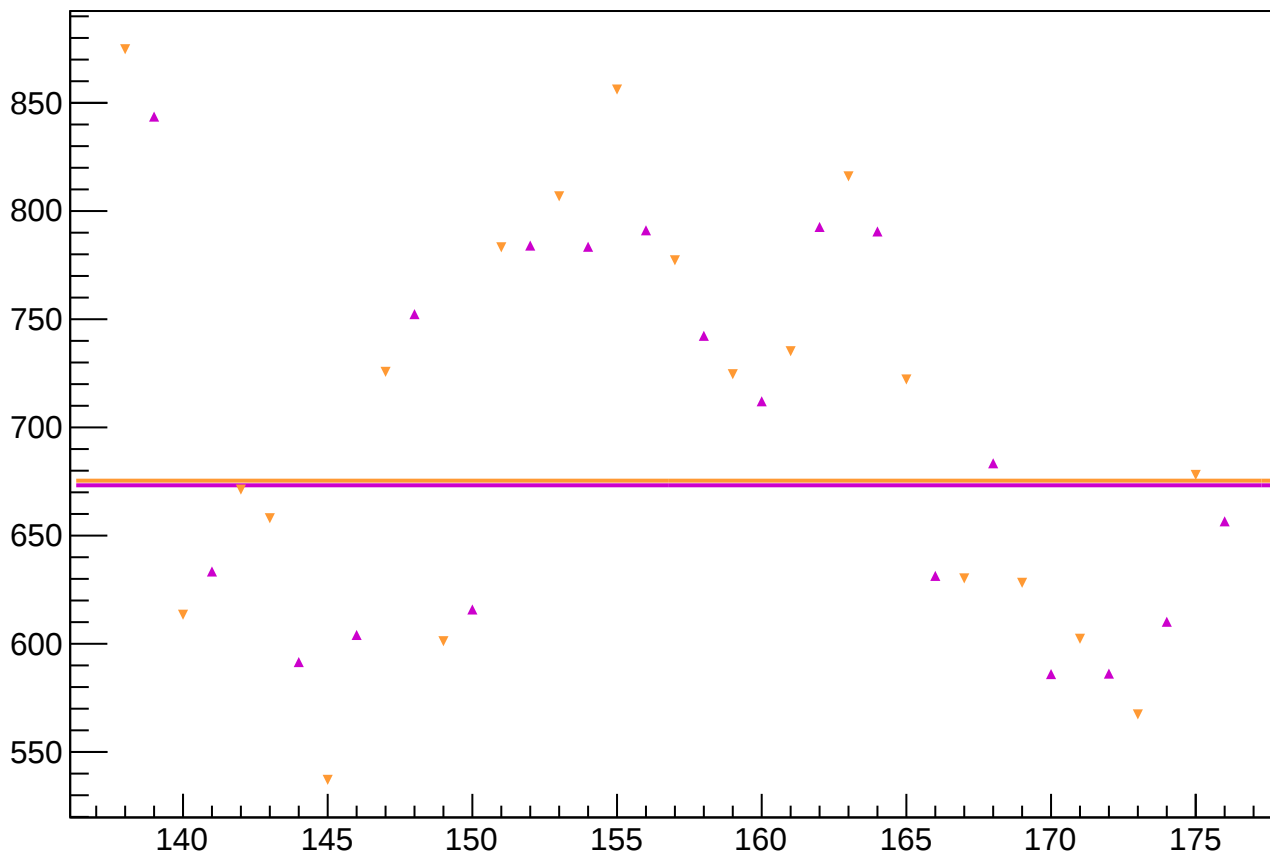
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 221.573+/-176.808 χ^2/NDF : 23.1/18

Out: -886.331+/-176.088 χ^2/NDF : 42.1/19

All: -334.638+/-124.767 χ^2/NDF : 84.9/38

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 675.387+/-0.125 χ^2/NDF :559219.0/19

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

Left In: 673.245+/-0.125 χ^2/NDF :421615.7/18

Left: 674.320+/-0.088 χ^2/NDF : 980982.0/38

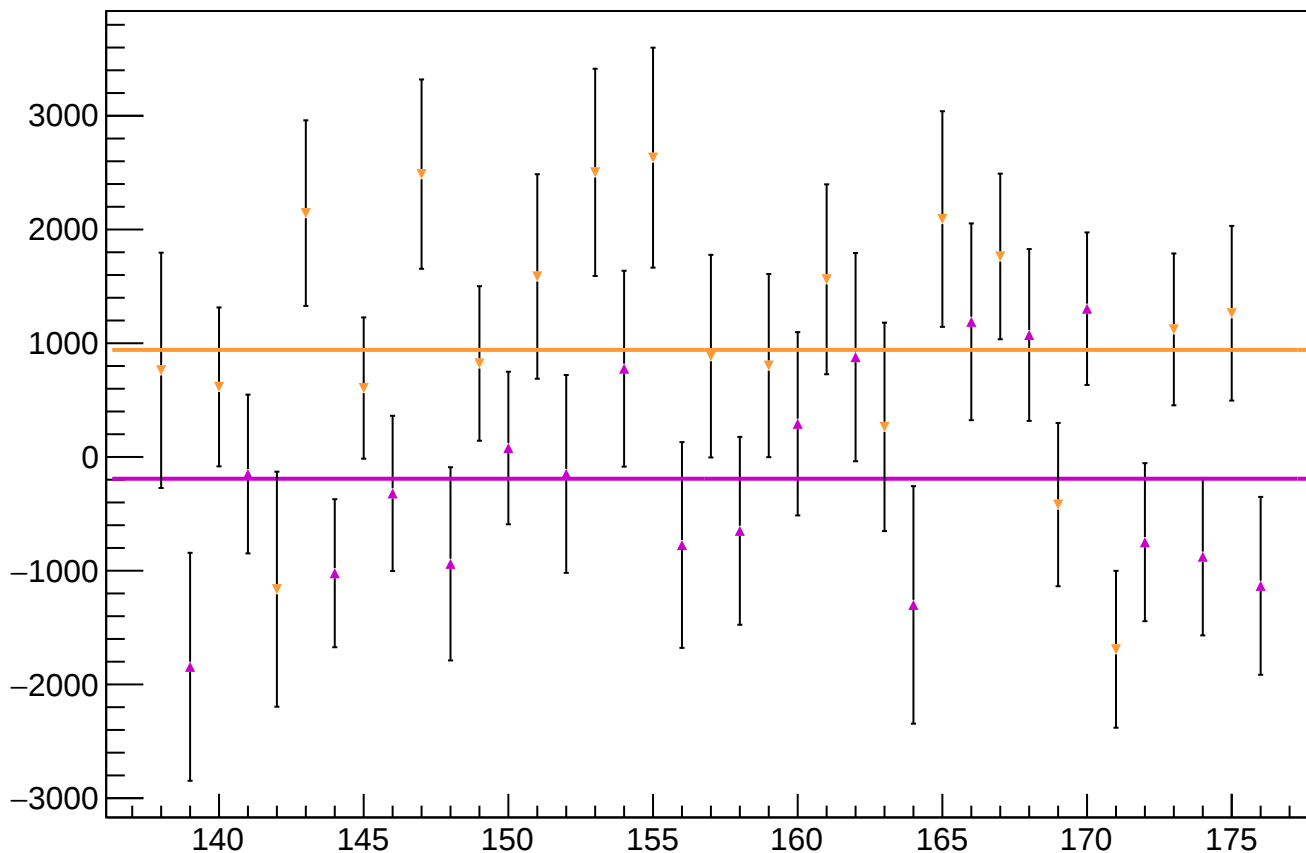
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 673.245+/-0.125 χ^2/NDF :421615.7/18

Out: 675.387+/-0.125 χ^2/NDF :559219.0/19

All: 674.320+/-0.088 χ^2/NDF : 980982.0/38

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 941.552 ± 178.057 $\chi^2/\text{NDF}: 39.1/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -191.260 ± 178.810 $\chi^2/\text{NDF}: 23.6/18$

Left: 377.534 ± 126.171 $\chi^2/\text{NDF}: 82.8/38$

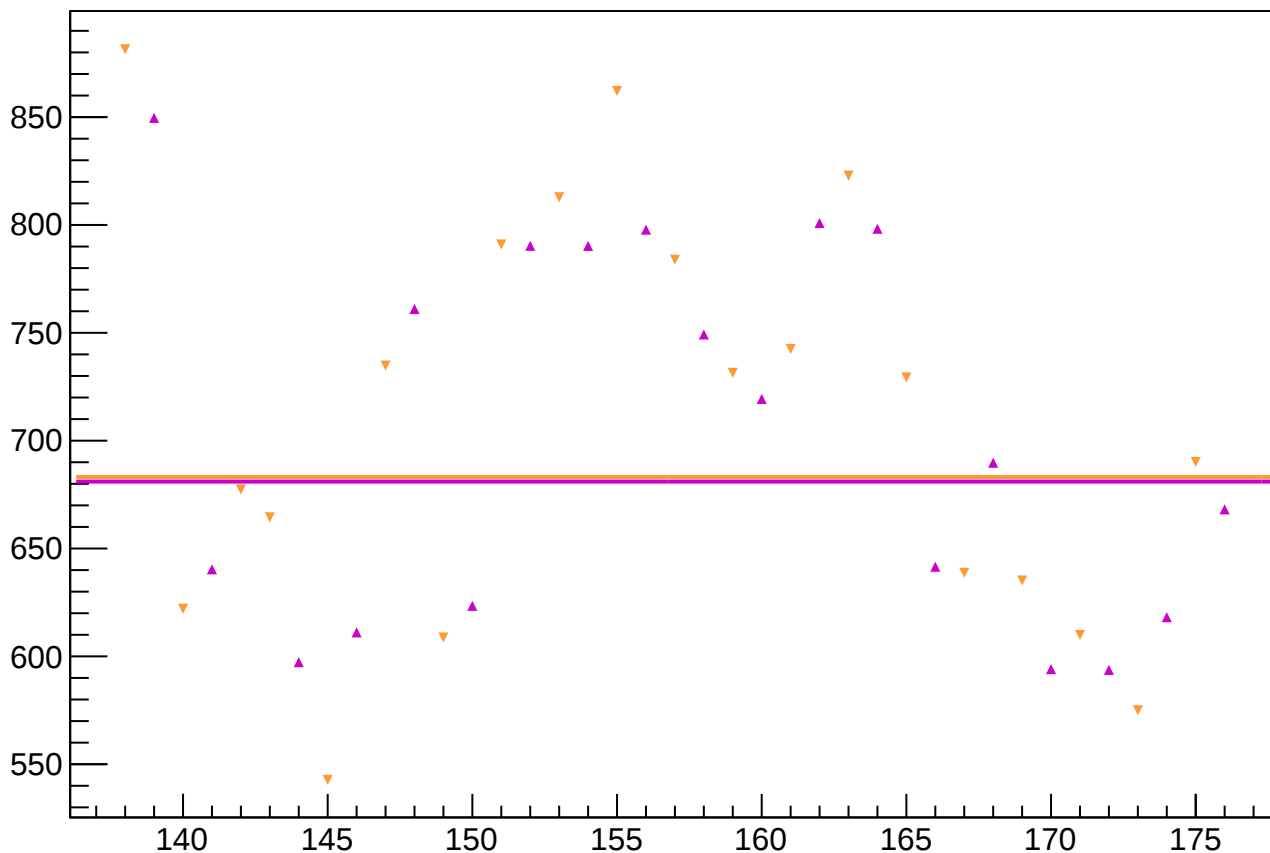
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -191.260 ± 178.810 $\chi^2/\text{NDF}: 23.6/18$

Out: 941.552 ± 178.057 $\chi^2/\text{NDF}: 39.1/19$

All: 377.534 ± 126.171 $\chi^2/\text{NDF}: 82.8/38$

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 683.144+/-0.126 χ^2/NDF :547247.4/19

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

Left In: 681.024+/-0.126 χ^2/NDF :411375.4/18

Left: 682.089+/-0.089 χ^2/NDF : 958764.0/38

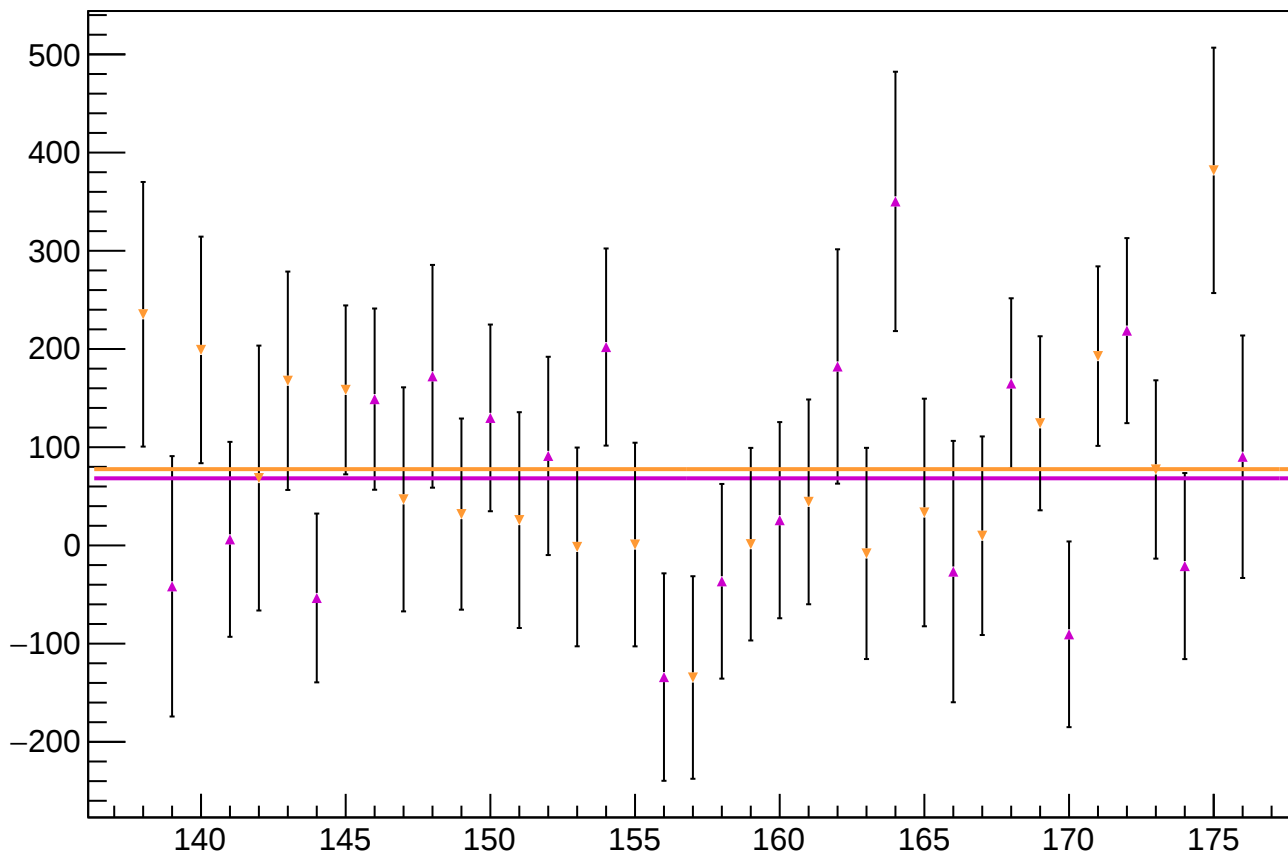
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 681.024+/-0.126 χ^2/NDF :411375.4/18

Out: 683.144+/-0.126 χ^2/NDF :547247.4/19

All: 682.089+/-0.089 χ^2/NDF : 958764.0/38

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: 77.673 $\pm$ 23.321 χ^2 /NDF:19.7/19

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

Left In: 68.331 $\pm$ 23.522 χ^2 /NDF:25.4/18

Left: 73.042 $\pm$ 16.561 χ^2 /NDF: 45.2/38

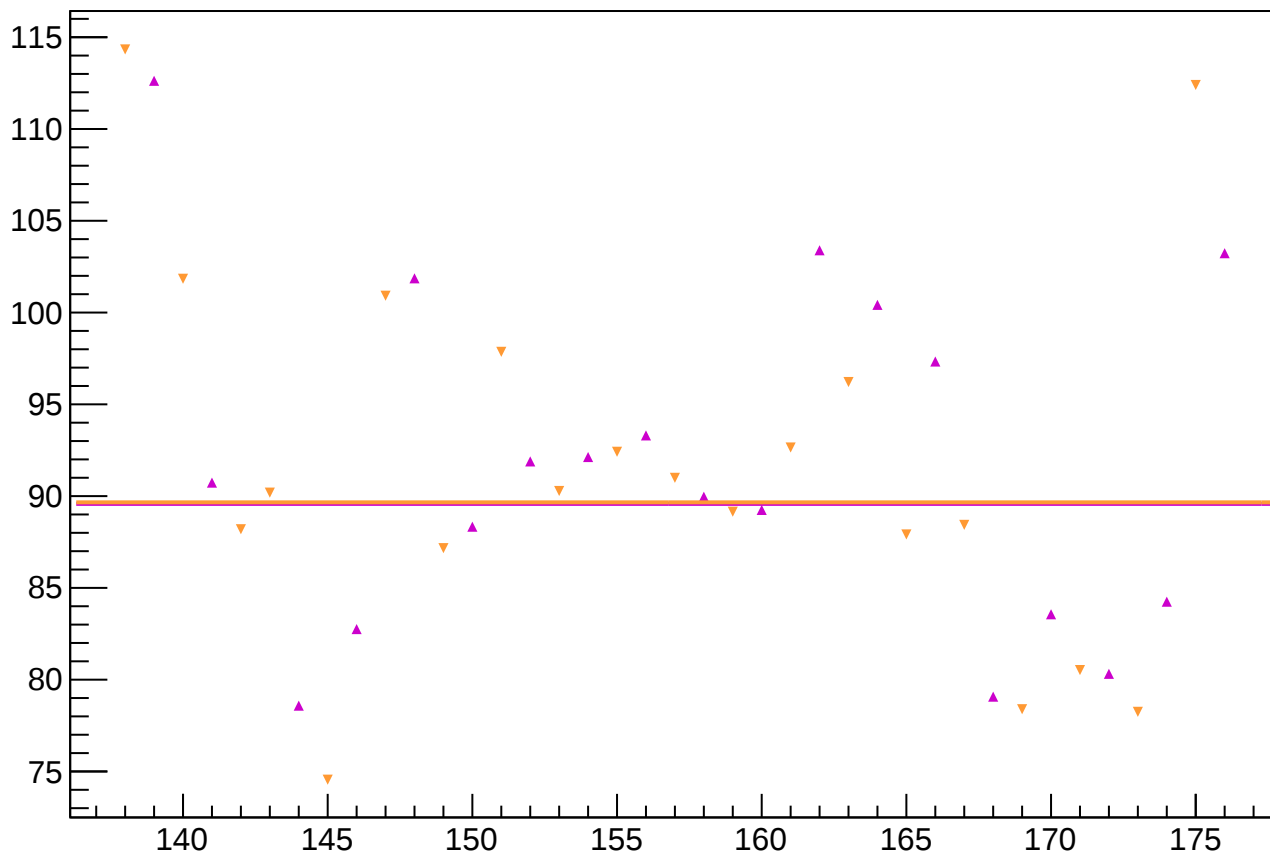
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 68.331 $\pm$ 23.522 χ^2 /NDF:25.4/18

Out: 77.673 $\pm$ 23.321 χ^2 /NDF:19.7/19

All: 73.042 $\pm$ 16.561 χ^2 /NDF: 45.2/38

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 89.660+/-0.016 χ^2/NDF :345232.1/19

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

Left In: 89.578+/-0.017 χ^2/NDF :267710.0/18

Left: 89.619+/-0.012 χ^2/NDF : 612954.6/38

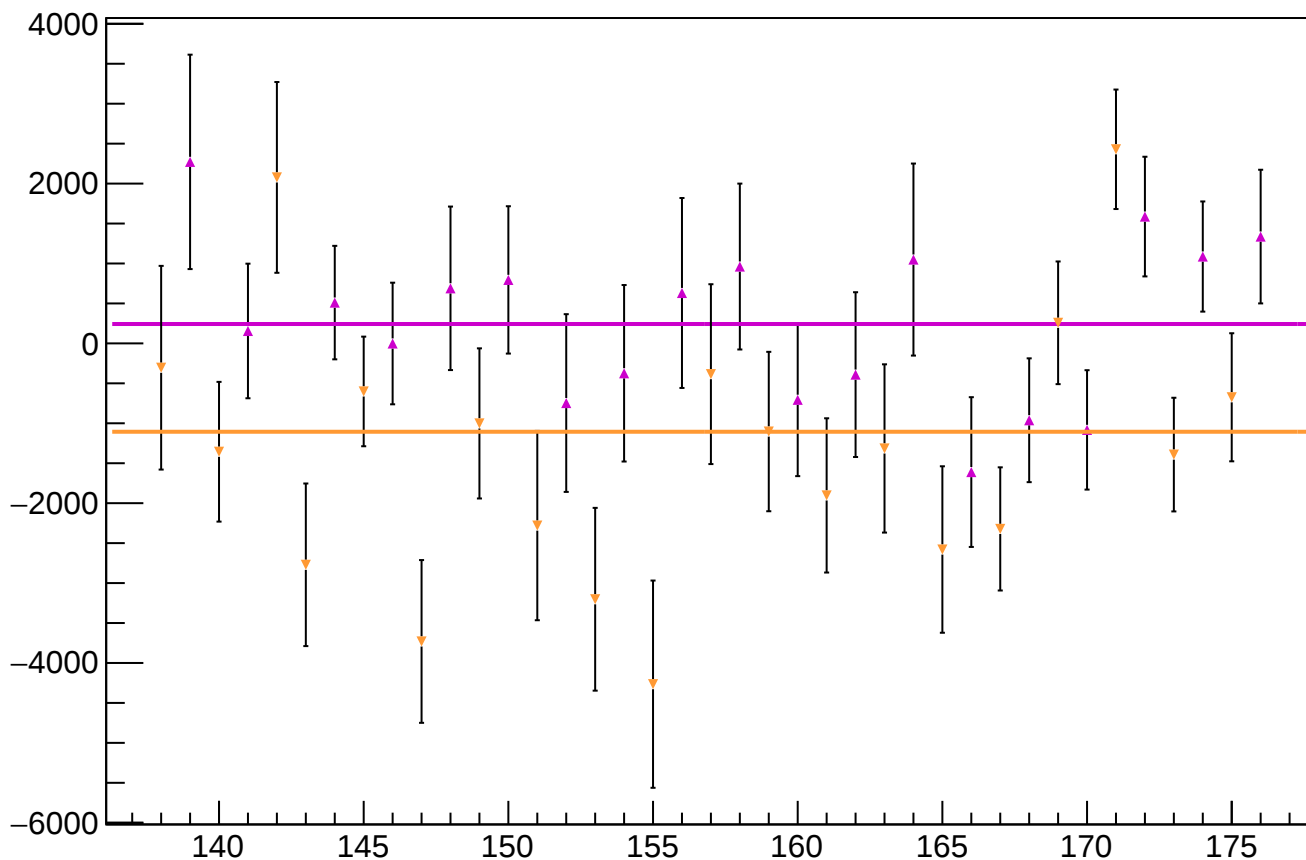
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 89.578+/-0.017 χ^2/NDF :267710.0/18

Out: 89.660+/-0.016 χ^2/NDF :345232.1/19

All: 89.619+/-0.012 χ^2/NDF : 612954.6/38

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1105.972 $\pm$ 207.277 χ^2 /NDF:59.3/19

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

Left In: 242.506 $\pm$ 205.376 χ^2 /NDF:22.5/18

Left: -425.522 $\pm$ 145.890 χ^2 /NDF: 103.2/38

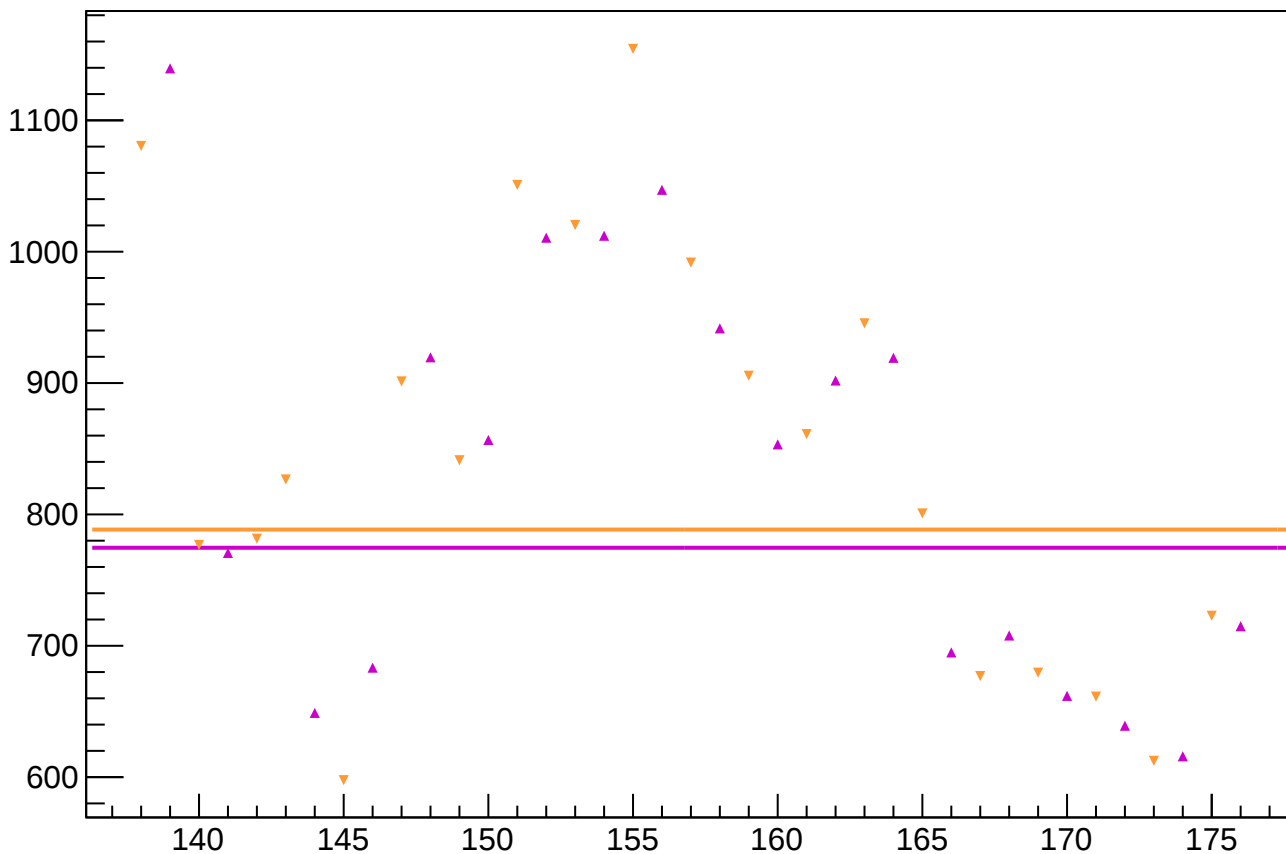
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 242.506 $\pm$ 205.376 χ^2 /NDF:22.5/18

Out: -1105.972 $\pm$ 207.277 χ^2 /NDF:59.3/19

All: -425.522 $\pm$ 145.890 χ^2 /NDF: 103.2/38

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 788.472+/-0.147 χ^2/NDF :1057892.9/19

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

Left In: 774.622+/-0.145 χ^2/NDF :964418.9/18

Left: 781.483+/-0.103 χ^2/NDF : 2026817.7/38

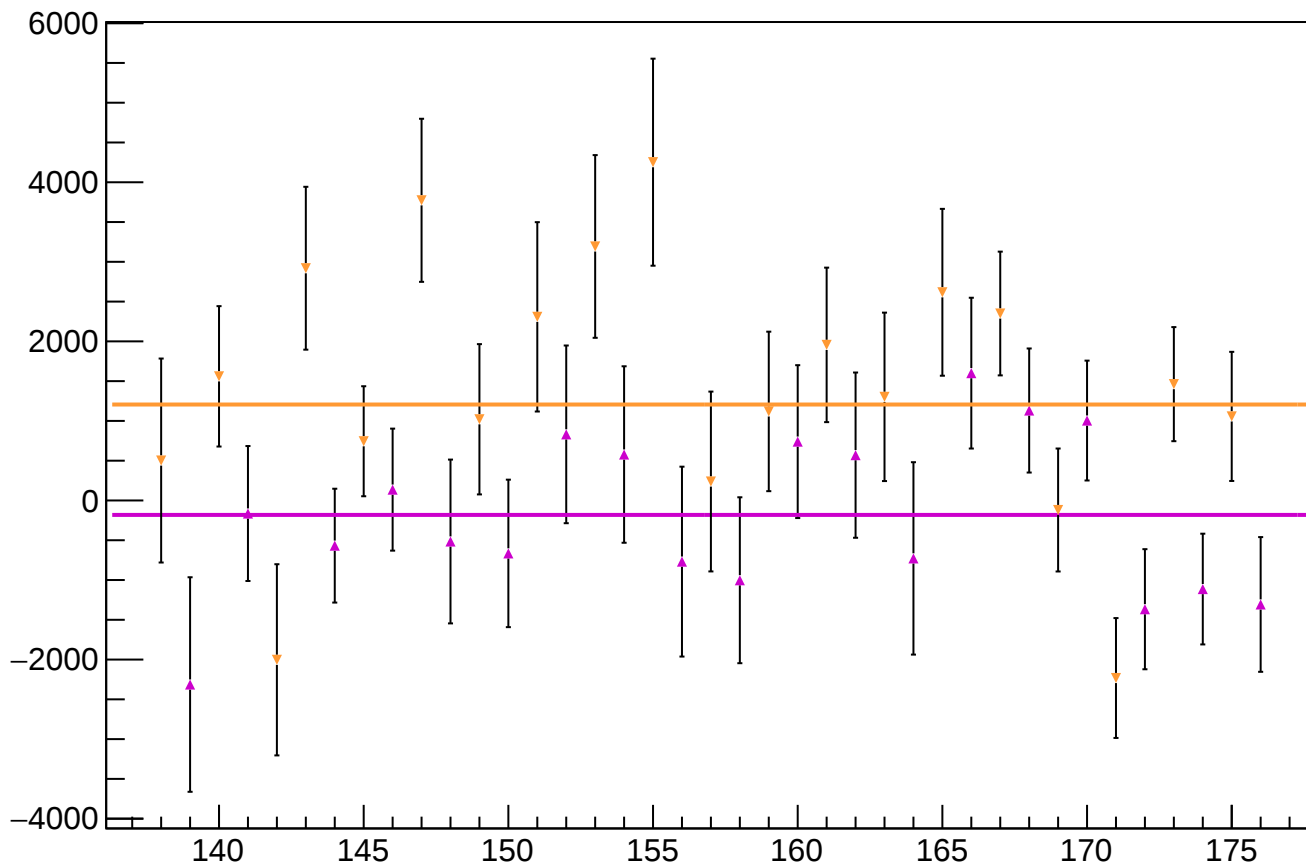
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 774.622+/-0.145 χ^2/NDF :964418.9/18

Out: 788.472+/-0.147 χ^2/NDF :1057892.9/19

All: 781.483+/-0.103 χ^2/NDF : 2026817.7/38

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1206.089+/-208.745 χ^2/NDF :55.7/19

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

Left In: -181.609+/-206.882 χ^2/NDF :22.0/18

Left: 506.020+/-146.942 χ^2/NDF : 100.0/38

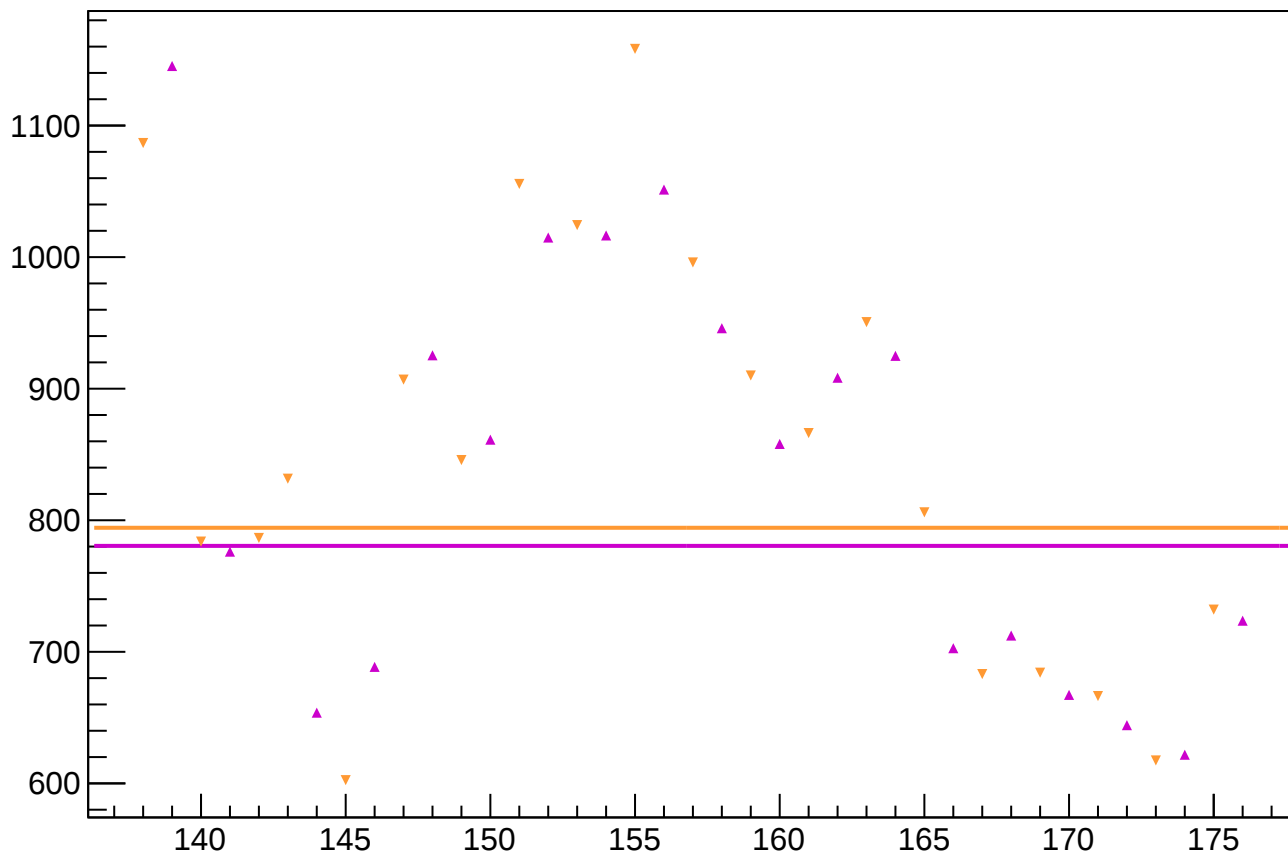
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -181.609+/-206.882 χ^2/NDF :22.0/18

Out: 1206.089+/-208.745 χ^2/NDF :55.7/19

All: 506.020+/-146.942 χ^2/NDF : 100.0/38

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 794.287+/-0.148 χ^2/NDF :1041949.1/19

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

Left In: 780.526+/-0.146 χ^2/NDF :948527.8/18

Left: 787.345+/-0.104 χ^2/NDF : 1994862.0/38

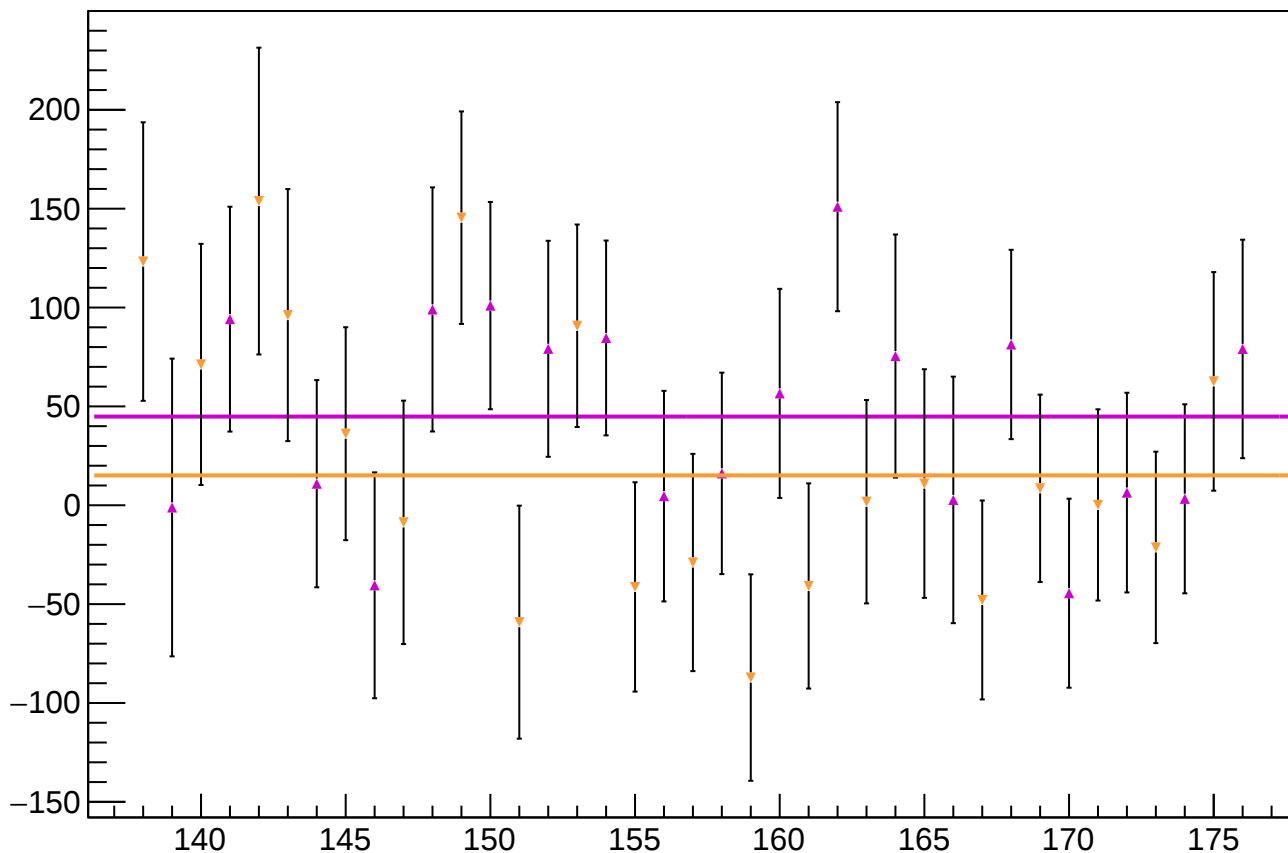
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 780.526+/-0.146 χ^2/NDF :948527.8/18

Out: 794.287+/-0.148 χ^2/NDF :1041949.1/19

All: 787.345+/-0.104 χ^2/NDF : 1994862.0/38

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 15.113+/-12.279 χ^2/NDF :27.8/19

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

Left In: 44.857+/-12.369 χ^2/NDF :18.2/18

Left: 29.876+/-8.714 χ^2/NDF : 48.9/38

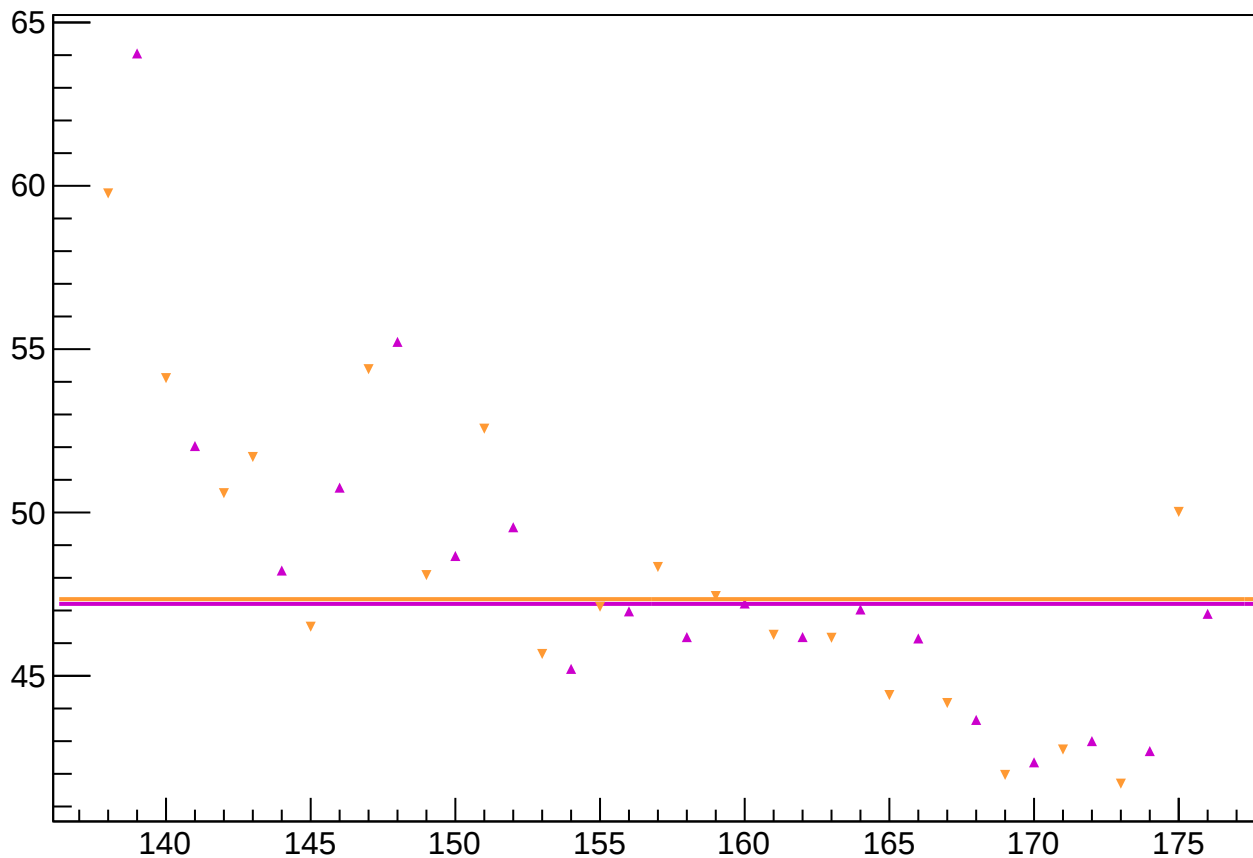
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 44.857+/-12.369 χ^2/NDF :18.2/18

Out: 15.113+/-12.279 χ^2/NDF :27.8/19

All: 29.876+/-8.714 χ^2/NDF : 48.9/38

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 47.348+/-0.009 χ^2/NDF :236020.4/19

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

Left In: 47.202+/-0.009 χ^2/NDF :230837.7/18

Left: 47.276+/-0.006 χ^2/NDF : 466999.0/38

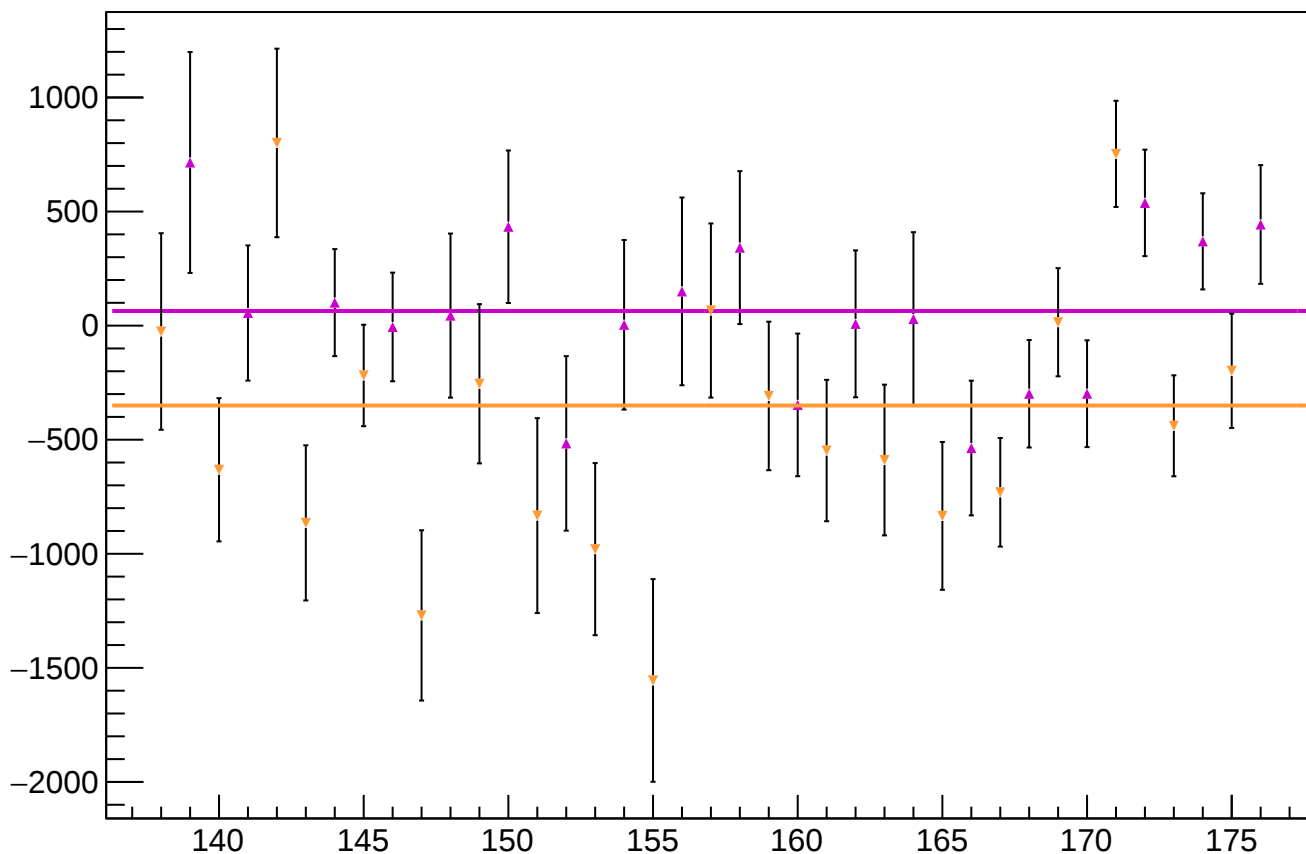
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.202+/-0.009 χ^2/NDF :230837.7/18

Out: 47.348+/-0.009 χ^2/NDF :236020.4/19

All: 47.276+/-0.006 χ^2/NDF : 466999.0/38

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -350.095+/-67.585 χ^2/NDF :61.6/19

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

Left In: 64.048+/-66.341 χ^2/NDF :25.2/18

Left: -139.177+/-47.344 χ^2/NDF : 106.0/38

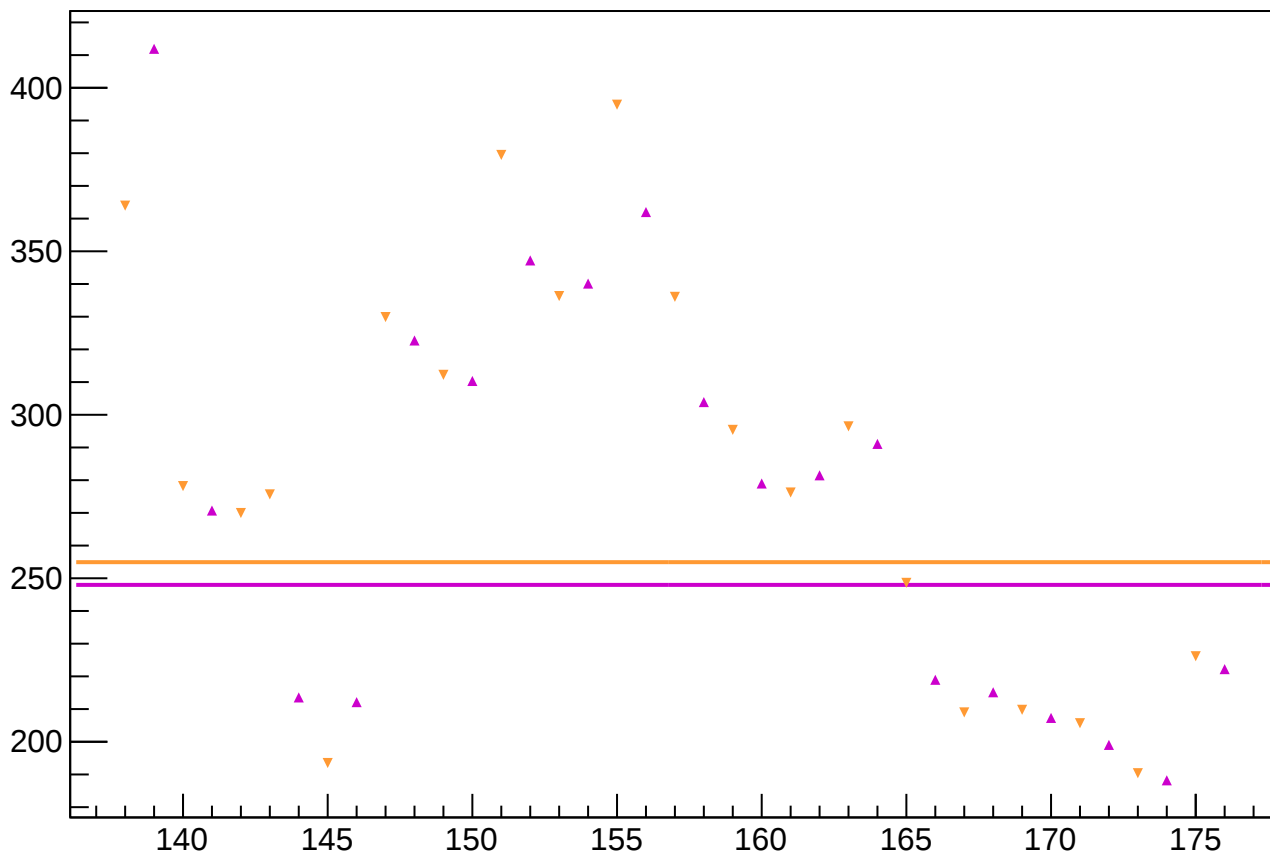
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 64.048+/-66.341 χ^2/NDF :25.2/18

Out: -350.095+/-67.585 χ^2/NDF :61.6/19

All: -139.177+/-47.344 χ^2/NDF : 106.0/38

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 254.928+/-0.048 χ^2/NDF :1494434.6/19

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

Left In: 247.978+/-0.047 χ^2/NDF :1406571.4/18

Left: 251.388+/-0.033 χ^2/NDF : 2911774.2/38

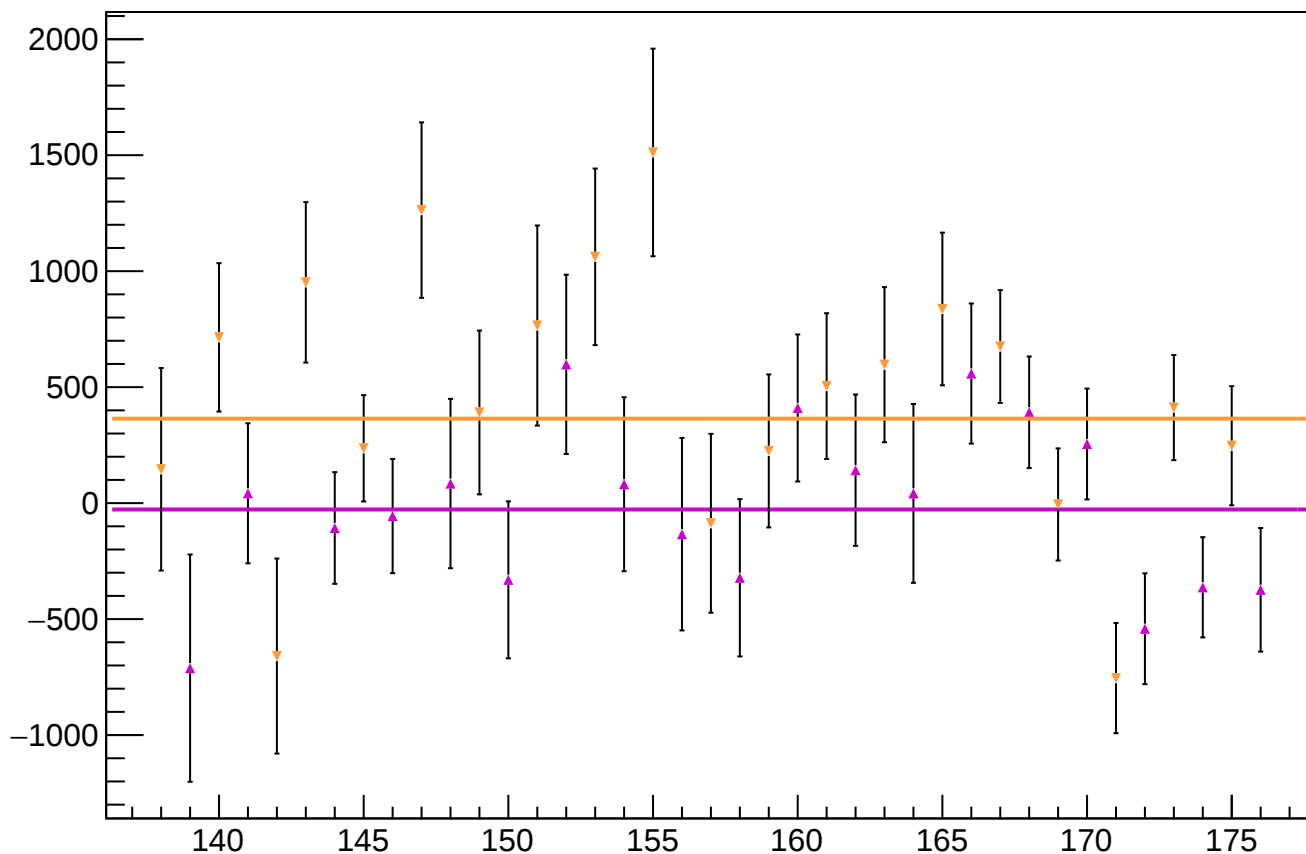
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 247.978+/-0.047 χ^2/NDF :1406571.4/18

Out: 254.928+/-0.048 χ^2/NDF :1494434.6/19

All: 251.388+/-0.033 χ^2/NDF : 2911774.2/38

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 364.180+/-68.856 χ^2/NDF :57.7/19

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

Left In: -27.446+/-67.677 χ^2/NDF :25.7/18

Left: 164.985+/-48.266 χ^2/NDF : 99.8/38

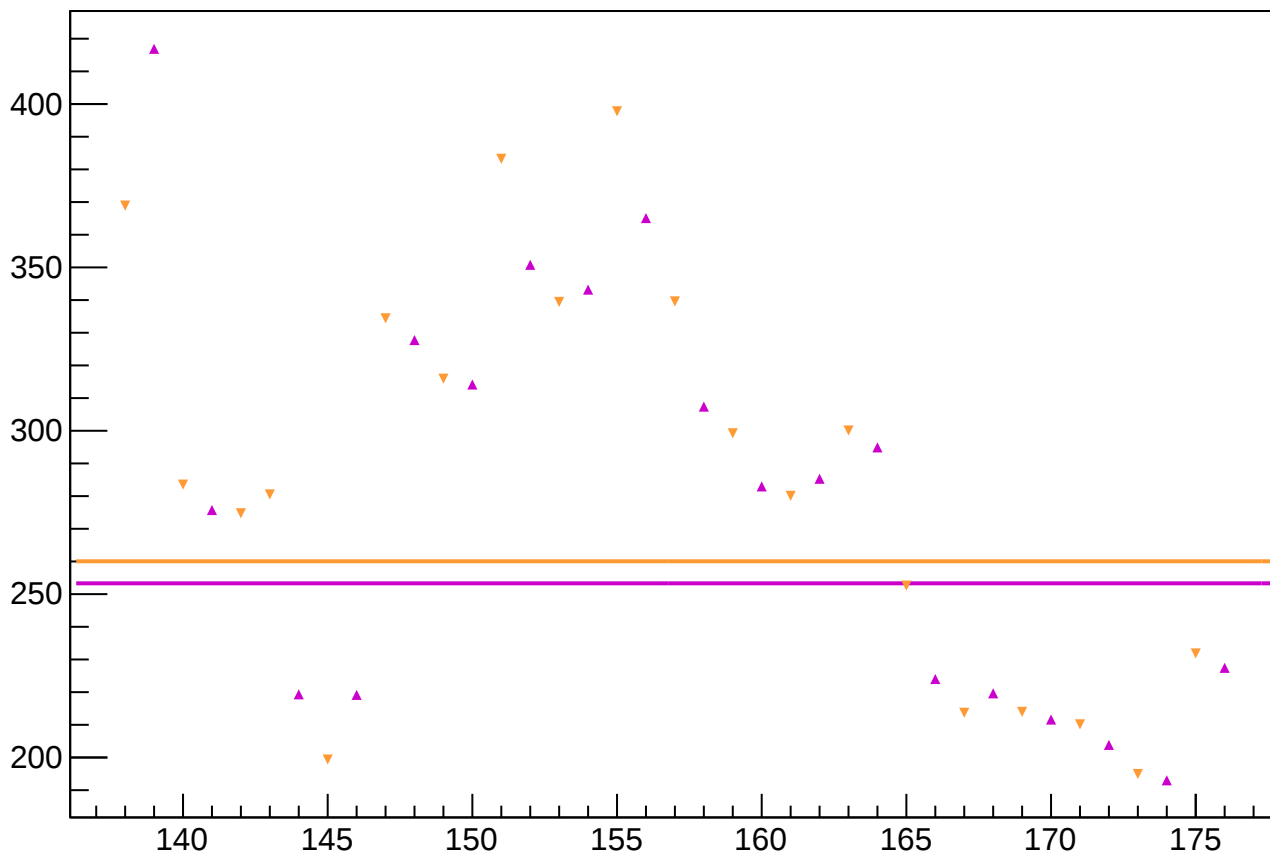
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -27.446+/-67.677 χ^2/NDF :25.7/18

Out: 364.180+/-68.856 χ^2/NDF :57.7/19

All: 164.985+/-48.266 χ^2/NDF : 99.8/38

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 260.054+/-0.049 χ^2/NDF :1425665.1/19

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

Left In: 253.307+/-0.048 χ^2/NDF :1337726.7/18

Left: 256.622+/-0.034 χ^2/NDF : 2773158.5/38

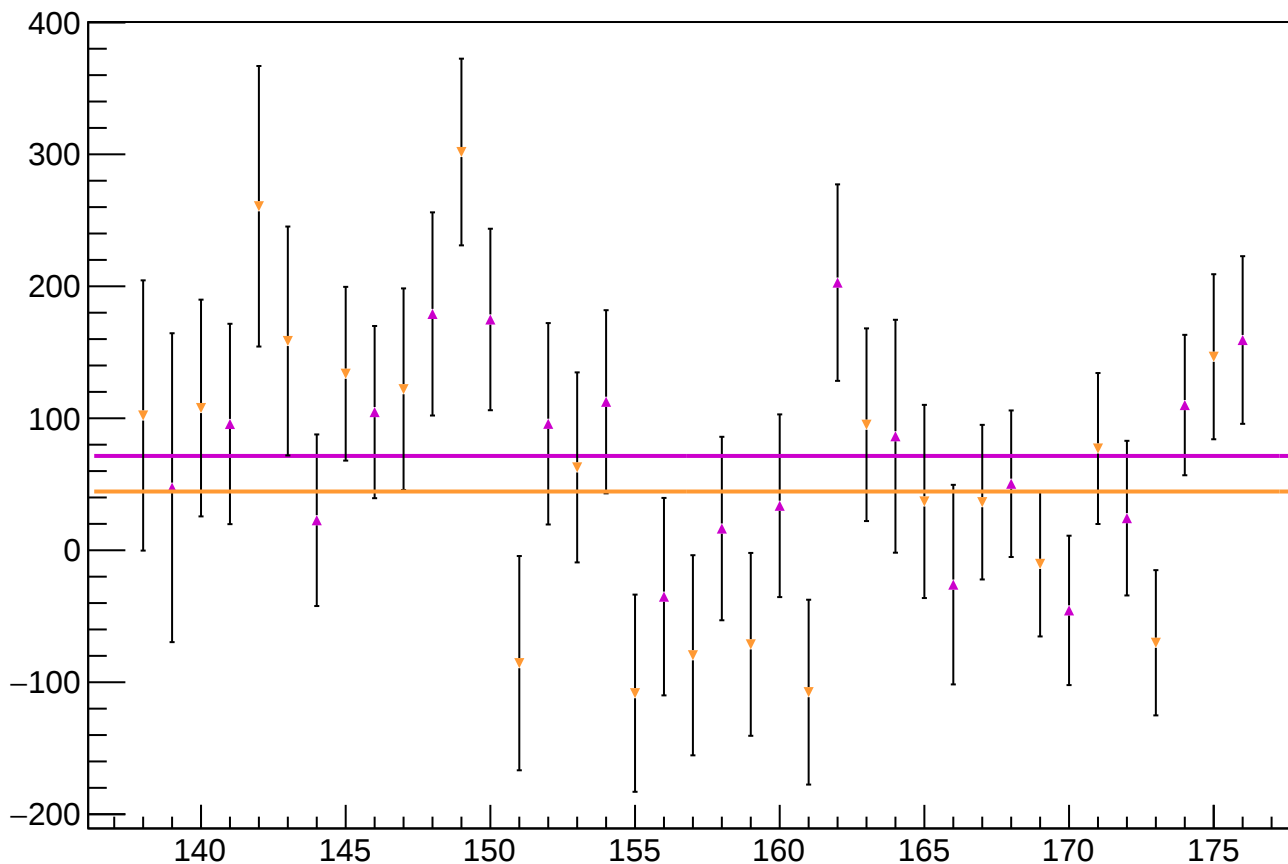
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 253.307+/-0.048 χ^2/NDF :1337726.7/18

Out: 260.054+/-0.049 χ^2/NDF :1425665.1/19

All: 256.622+/-0.034 χ^2/NDF : 2773158.5/38

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 44.520 $\pm$ 15.683 χ^2 /NDF:48.7/19

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

Left In: 71.474 $\pm$ 15.645 χ^2 /NDF:20.9/18

Left: 58.030 $\pm$ 11.076 χ^2 /NDF: 71.1/38

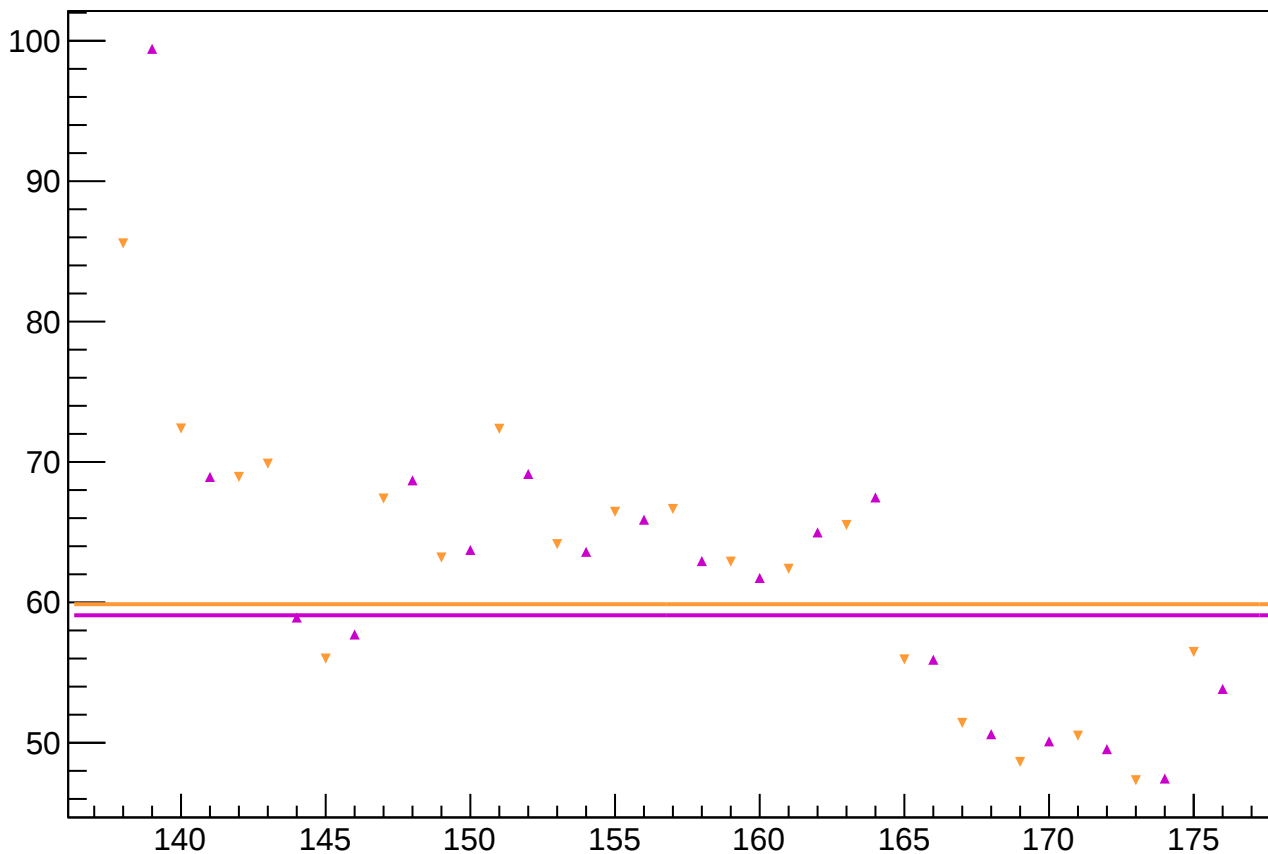
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 71.474 $\pm$ 15.645 χ^2 /NDF:20.9/18

Out: 44.520 $\pm$ 15.683 χ^2 /NDF:48.7/19

All: 58.030 $\pm$ 11.076 χ^2 /NDF: 71.1/38

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 59.870+/-0.011 χ^2/NDF :643097.1/19

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

Left In: 59.081+/-0.011 χ^2/NDF :674937.0/18

Left: 59.474+/-0.008 χ^2/NDF : 1320572.3/38

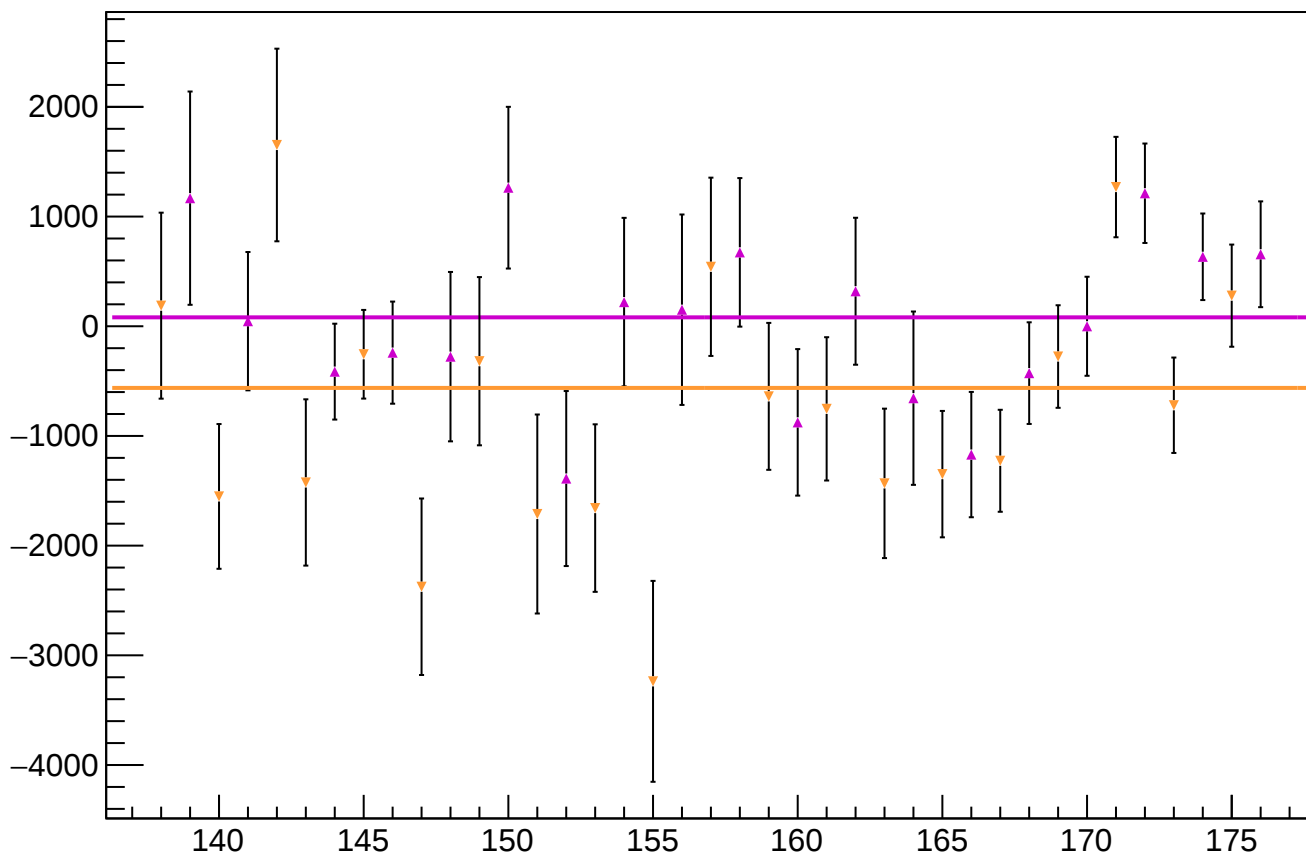
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 59.081+/-0.011 χ^2/NDF :674937.0/18

Out: 59.870+/-0.011 χ^2/NDF :643097.1/19

All: 59.474+/-0.008 χ^2/NDF : 1320572.3/38

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -562.182+/-134.424 χ^2/NDF :55.9/19

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

Left In: 81.167+/-131.300 χ^2/NDF :28.7/18

Left: -232.944+/-93.928 χ^2/NDF : 96.3/38

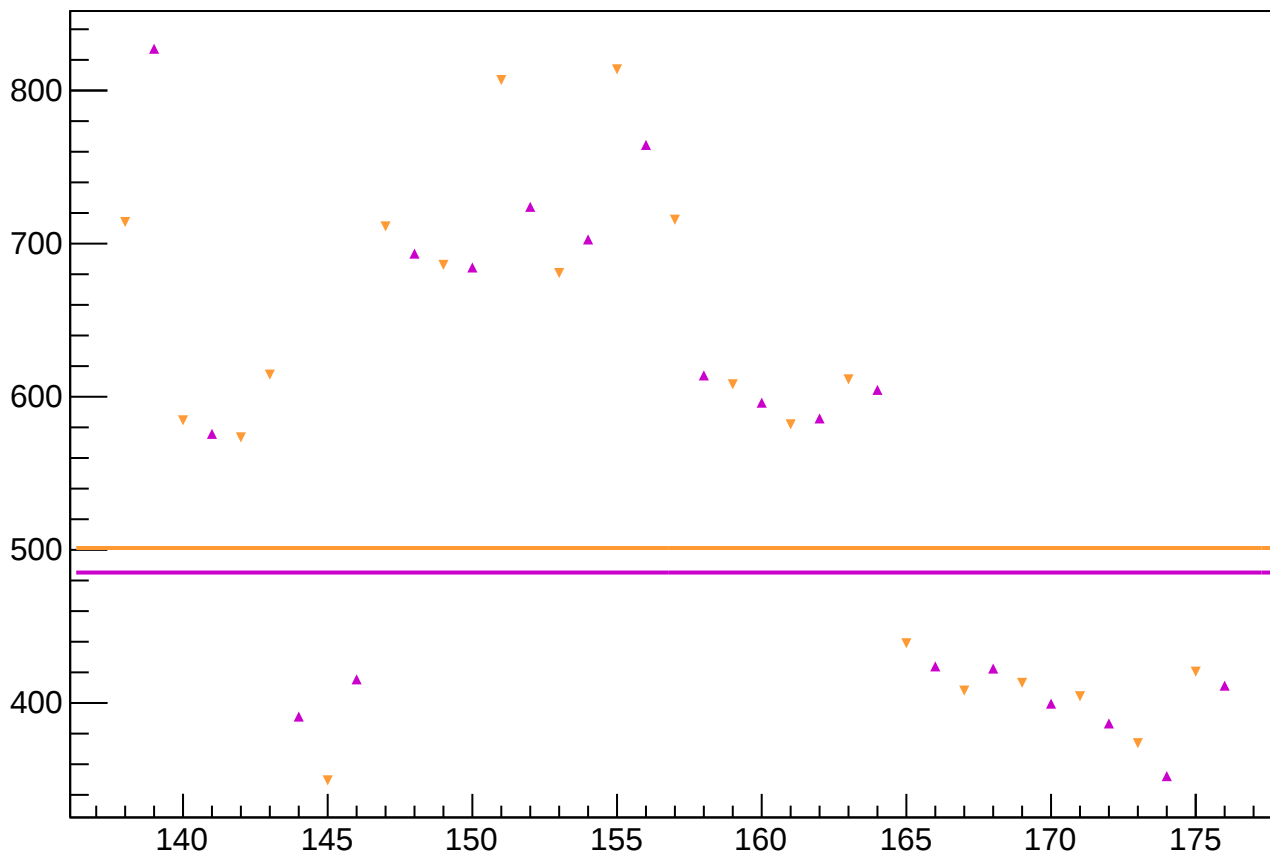
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 81.167+/-131.300 χ^2/NDF :28.7/18

Out: -562.182+/-134.424 χ^2/NDF :55.9/19

All: -232.944+/-93.928 χ^2/NDF : 96.3/38

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 501.226+/-0.095 χ^2/NDF :2090301.0/19

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

Left In: 485.193+/-0.093 χ^2/NDF :1983102.4/18

Left: 493.021+/-0.066 χ^2/NDF : 4087964.0/38

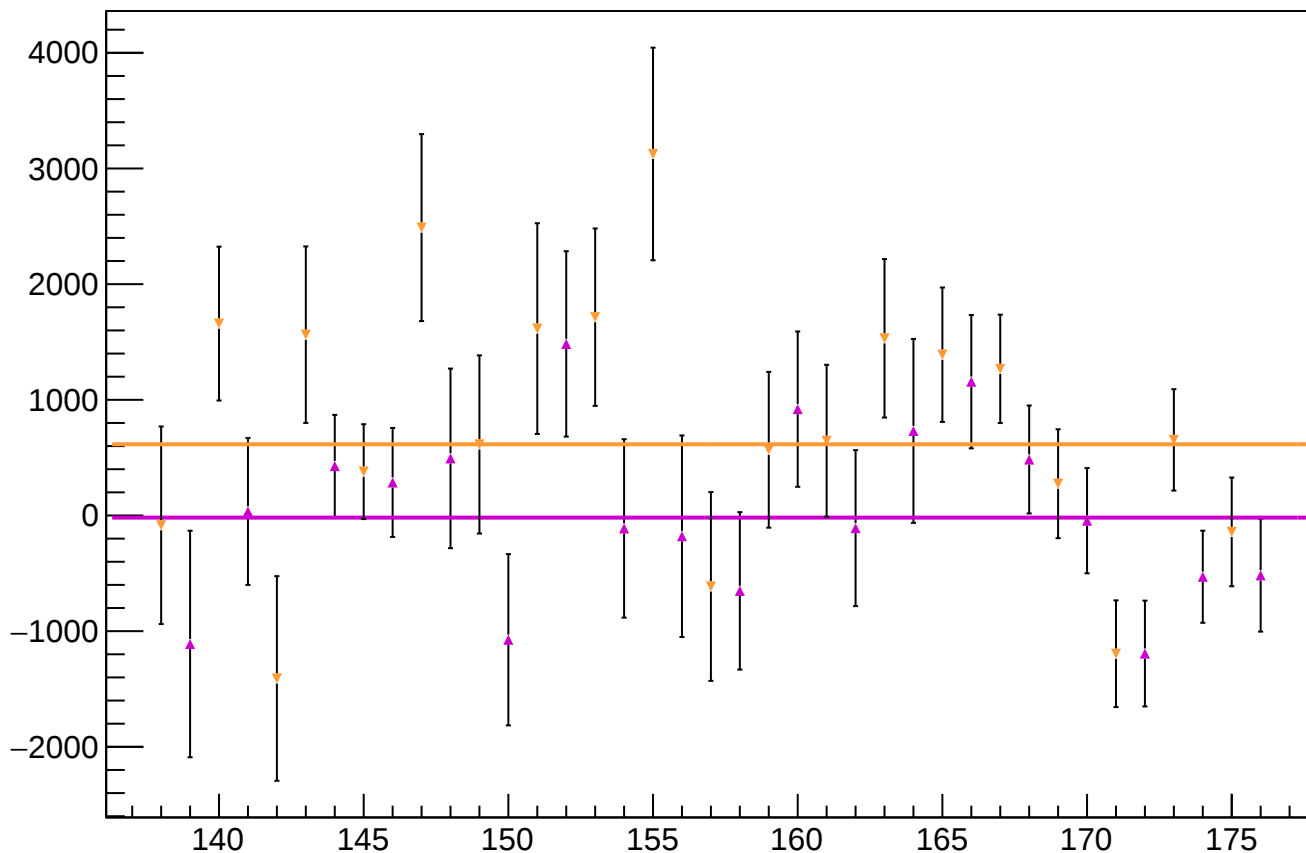
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 485.193+/-0.093 χ^2/NDF :1983102.4/18

Out: 501.226+/-0.095 χ^2/NDF :2090301.0/19

All: 493.021+/-0.066 χ^2/NDF : 4087964.0/38

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 615.715+/-135.466 χ^2/NDF :52.6/19

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

Left In: -18.368+/-132.364 χ^2/NDF :27.1/18

Left: 291.330+/-94.673 χ^2/NDF : 90.9/38

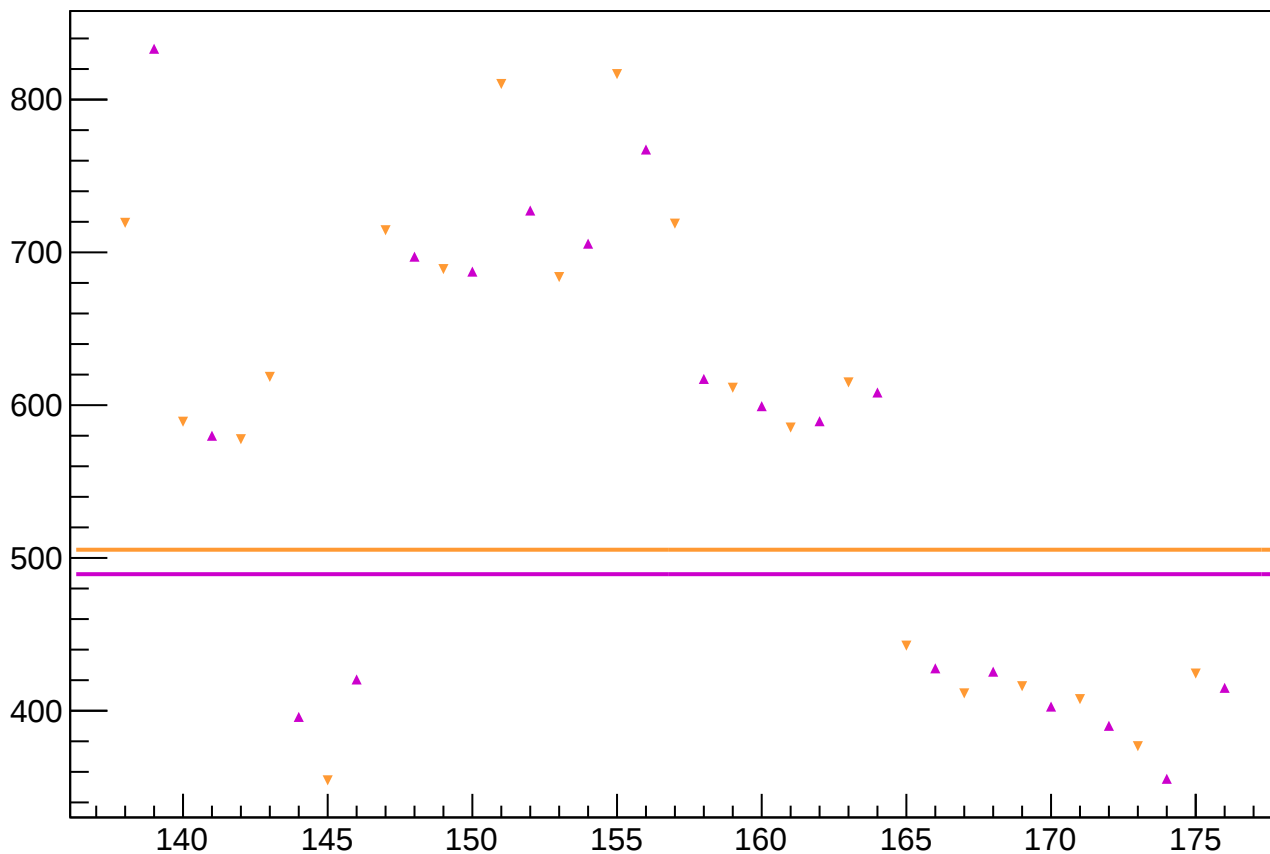
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.368+/-132.364 χ^2/NDF :27.1/18

Out: 615.715+/-135.466 χ^2/NDF :52.6/19

All: 291.330+/-94.673 χ^2/NDF : 90.9/38

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 505.390+/-0.096 χ^2/NDF :2059209.0/19

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

Left In: 489.381+/-0.094 χ^2/NDF :1955762.8/18

Left: 497.200+/-0.067 χ^2/NDF : 4029261.1/38

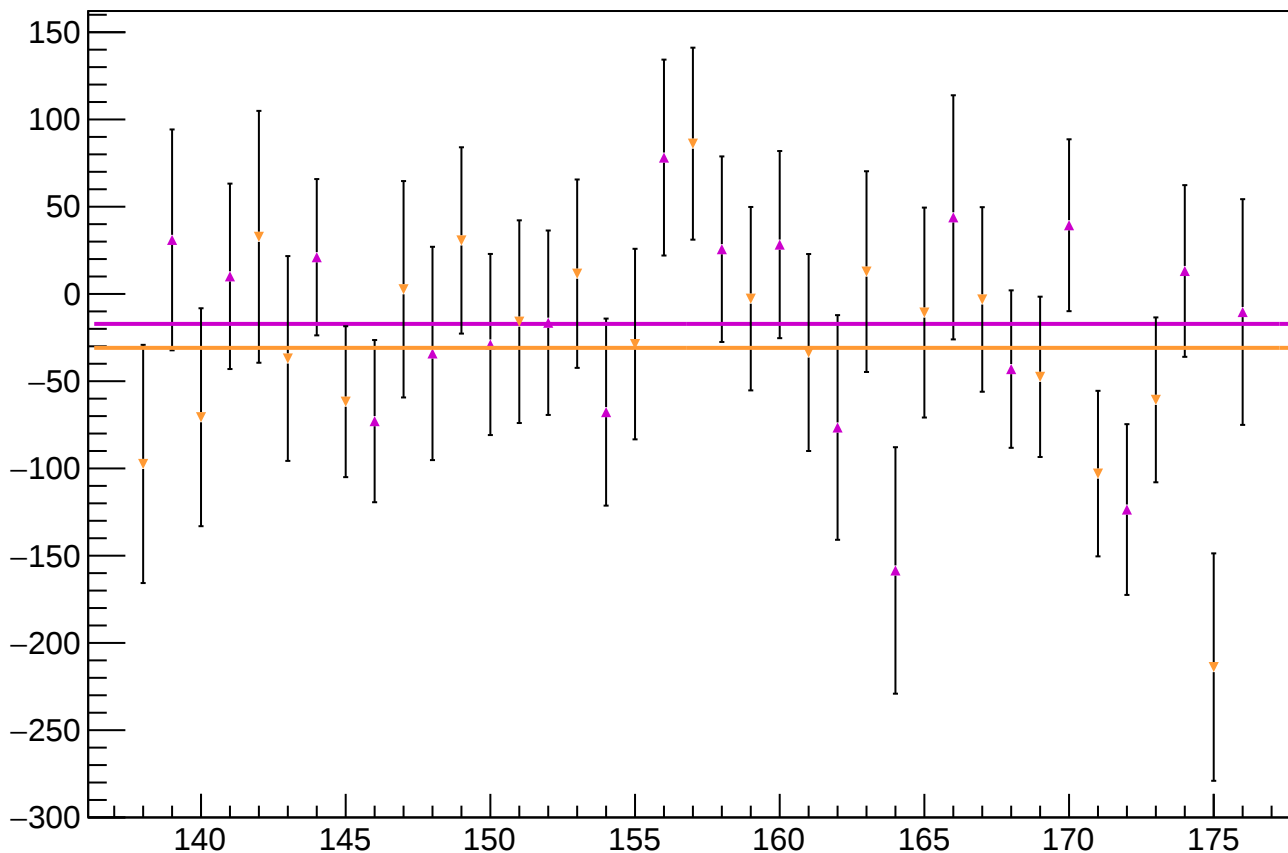
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 489.381+/-0.094 χ^2/NDF :1955762.8/18

Out: 505.390+/-0.096 χ^2/NDF :2059209.0/19

All: 497.200+/-0.067 χ^2/NDF : 4029261.1/38

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -30.894 $\pm$ 12.293 χ^2 /NDF:21.5/19

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

Left In: -17.161 $\pm$ 12.358 χ^2 /NDF:20.7/18

Left: -24.064 $\pm$ 8.715 χ^2 /NDF: 42.7/38

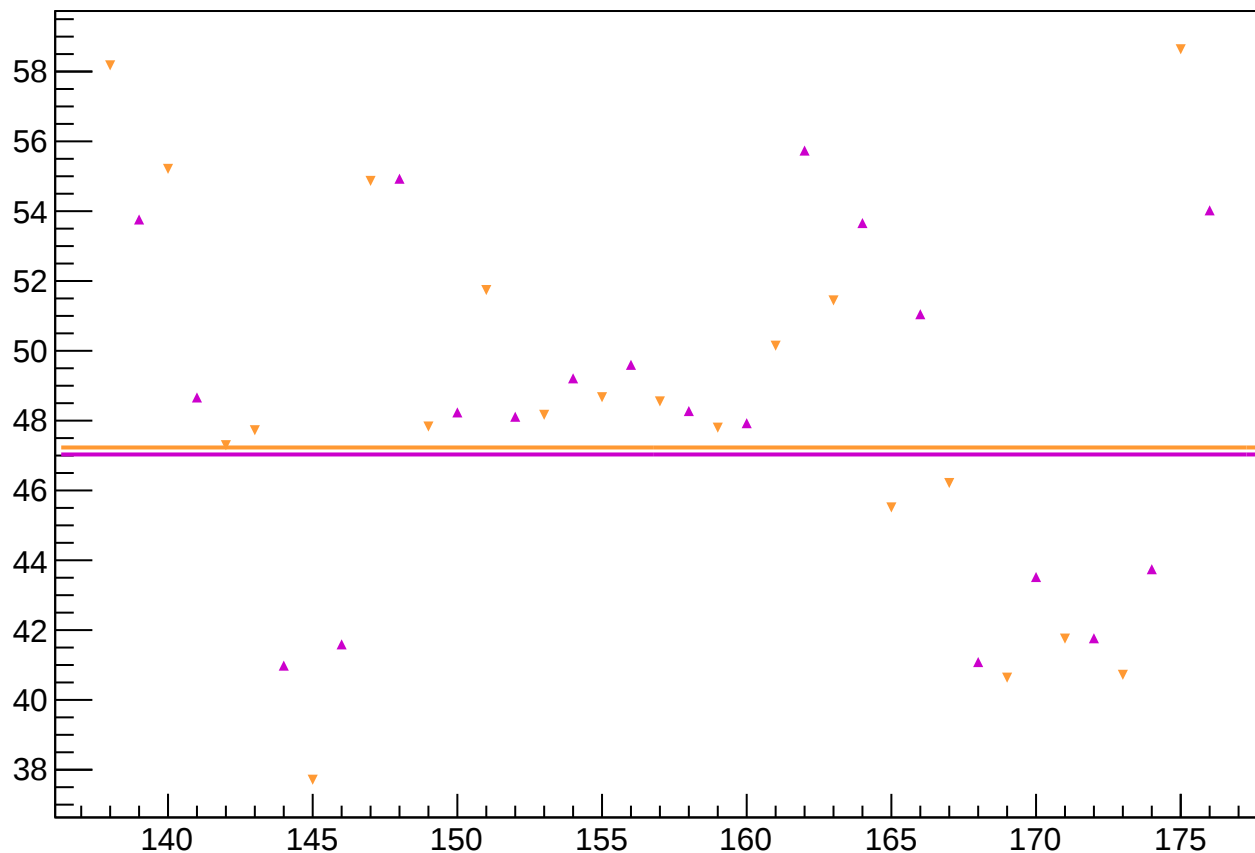
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -17.161 $\pm$ 12.358 χ^2 /NDF:20.7/18

Out: -30.894 $\pm$ 12.293 χ^2 /NDF:21.5/19

All: -24.064 $\pm$ 8.715 χ^2 /NDF: 42.7/38

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 47.231 $\pm$ 0.009 χ^2 /NDF:412661.2/19

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

Left In: 47.031 $\pm$ 0.009 χ^2 /NDF:293976.7/18

Left: 47.131 $\pm$ 0.006 χ^2 /NDF: 706902.2/38

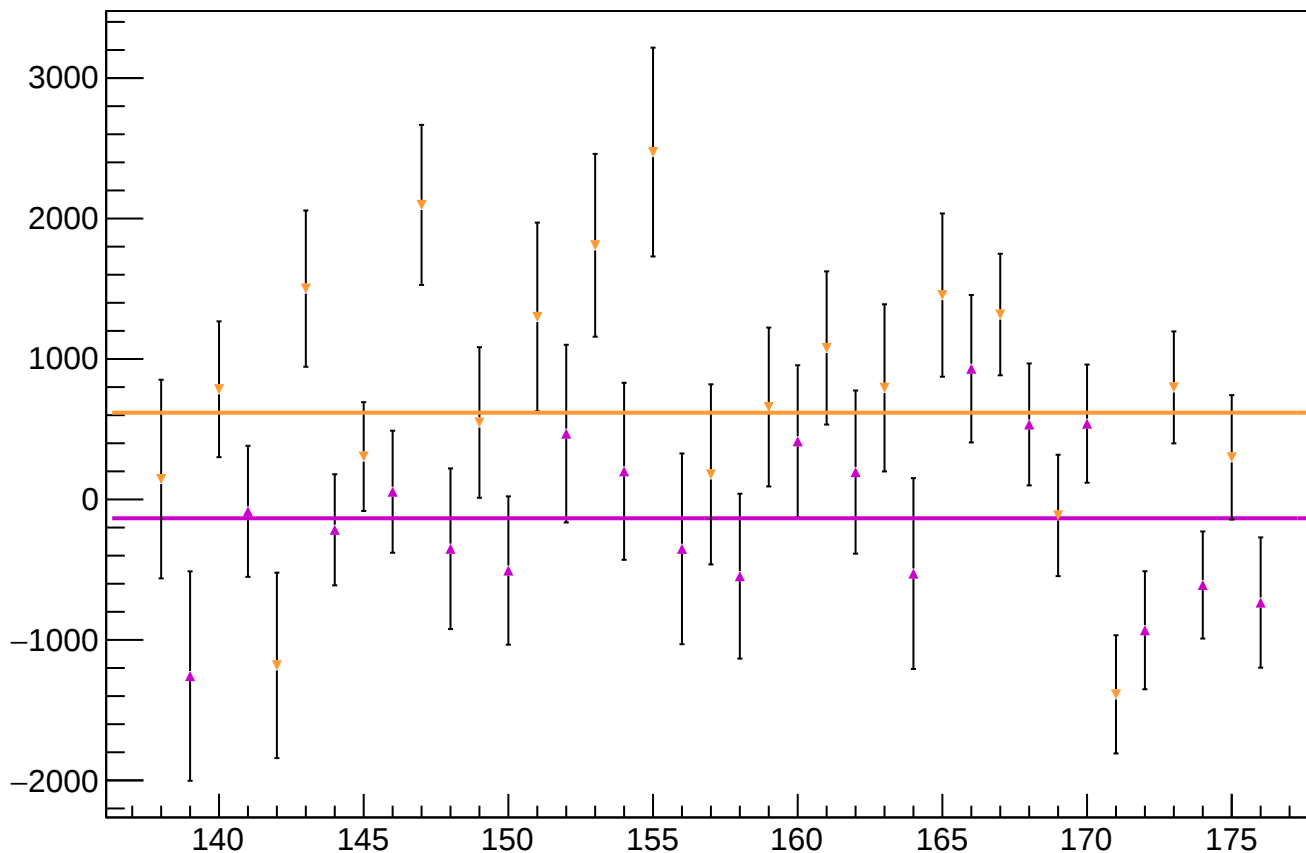
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 47.031 $\pm$ 0.009 χ^2 /NDF:293976.7/18

Out: 47.231 $\pm$ 0.009 χ^2 /NDF:412661.2/19

All: 47.131 $\pm$ 0.006 χ^2 /NDF: 706902.2/38

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: 617.703+/-116.357 χ^2/NDF :60.8/19

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

Left In: -134.040+/-115.368 χ^2/NDF :22.5/18

Left: 238.623+/-81.925 χ^2/NDF : 104.3/38

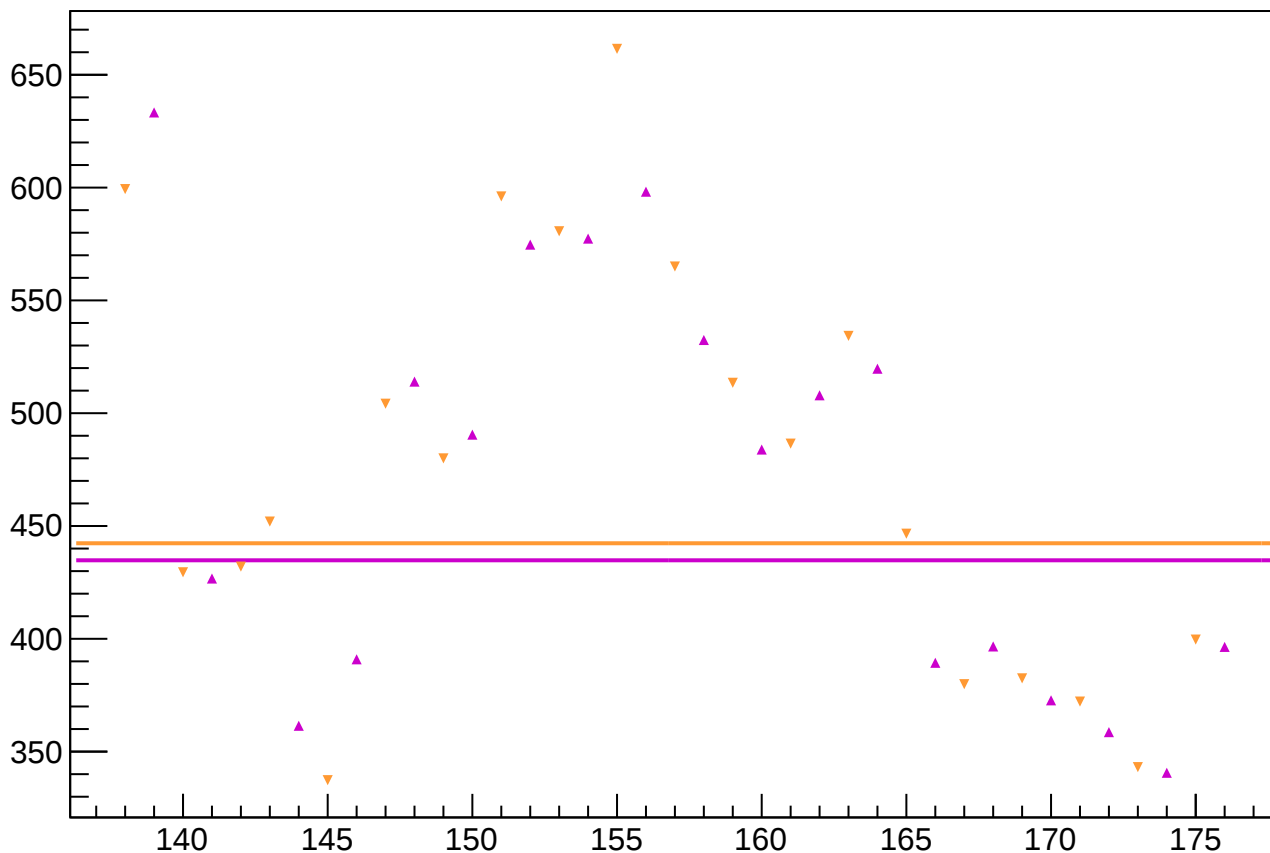
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -134.040+/-115.368 χ^2/NDF :22.5/18

Out: 617.703+/-116.357 χ^2/NDF :60.8/19

All: 238.623+/-81.925 χ^2/NDF : 104.3/38

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: 442.349+/-0.082 χ^2/NDF :1094446.3/19

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

Left In: 434.799+/-0.082 χ^2/NDF :1018417.5/18

Left: 438.542+/-0.058 χ^2/NDF : 2117109.8/38

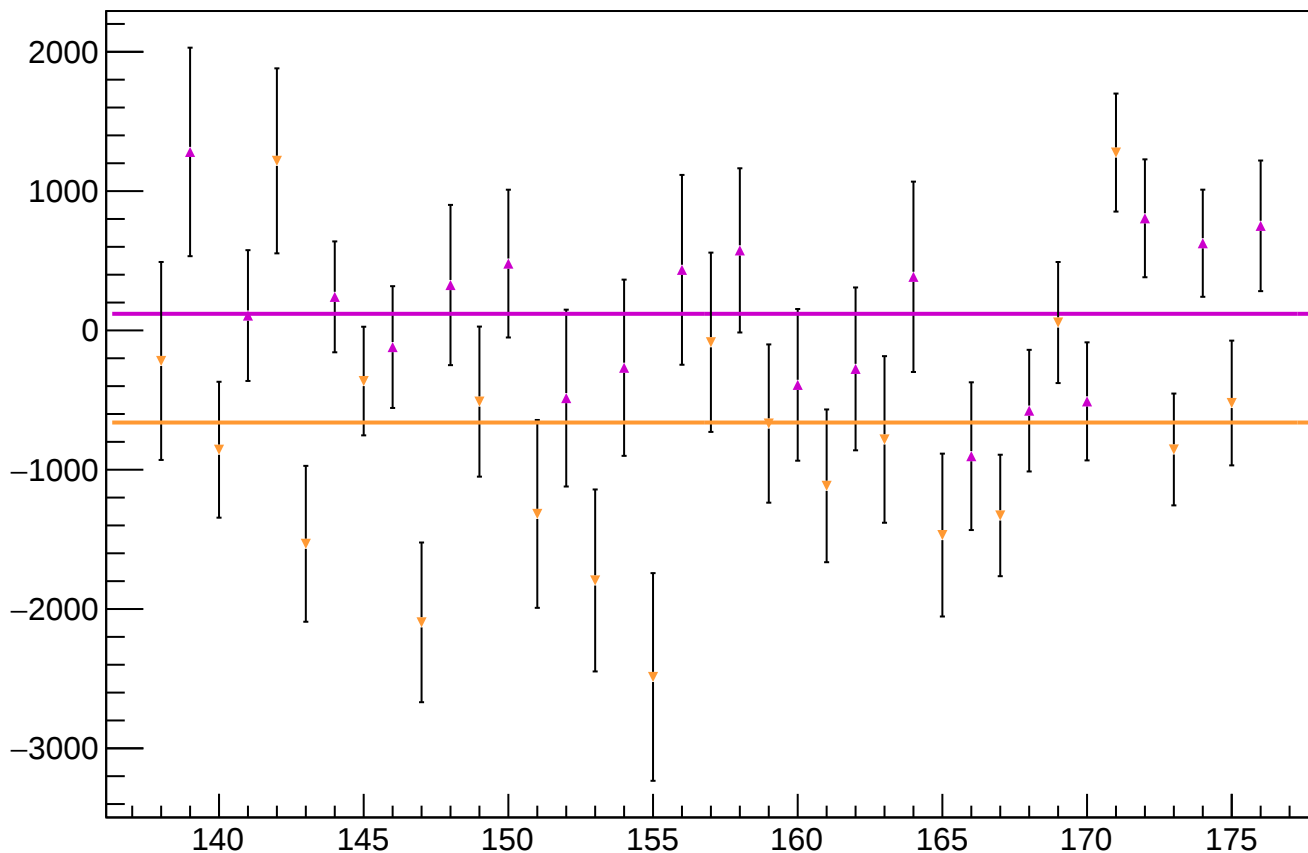
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 434.799+/-0.082 χ^2/NDF :1018417.5/18

Out: 442.349+/-0.082 χ^2/NDF :1094446.3/19

All: 438.542+/-0.058 χ^2/NDF : 2117109.8/38

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -661.259+/-117.087 χ^2/NDF :57.6/19

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

Left In: 119.194+/-116.116 χ^2/NDF :21.6/18

Left: -267.781+/-82.447 χ^2/NDF : 101.6/38

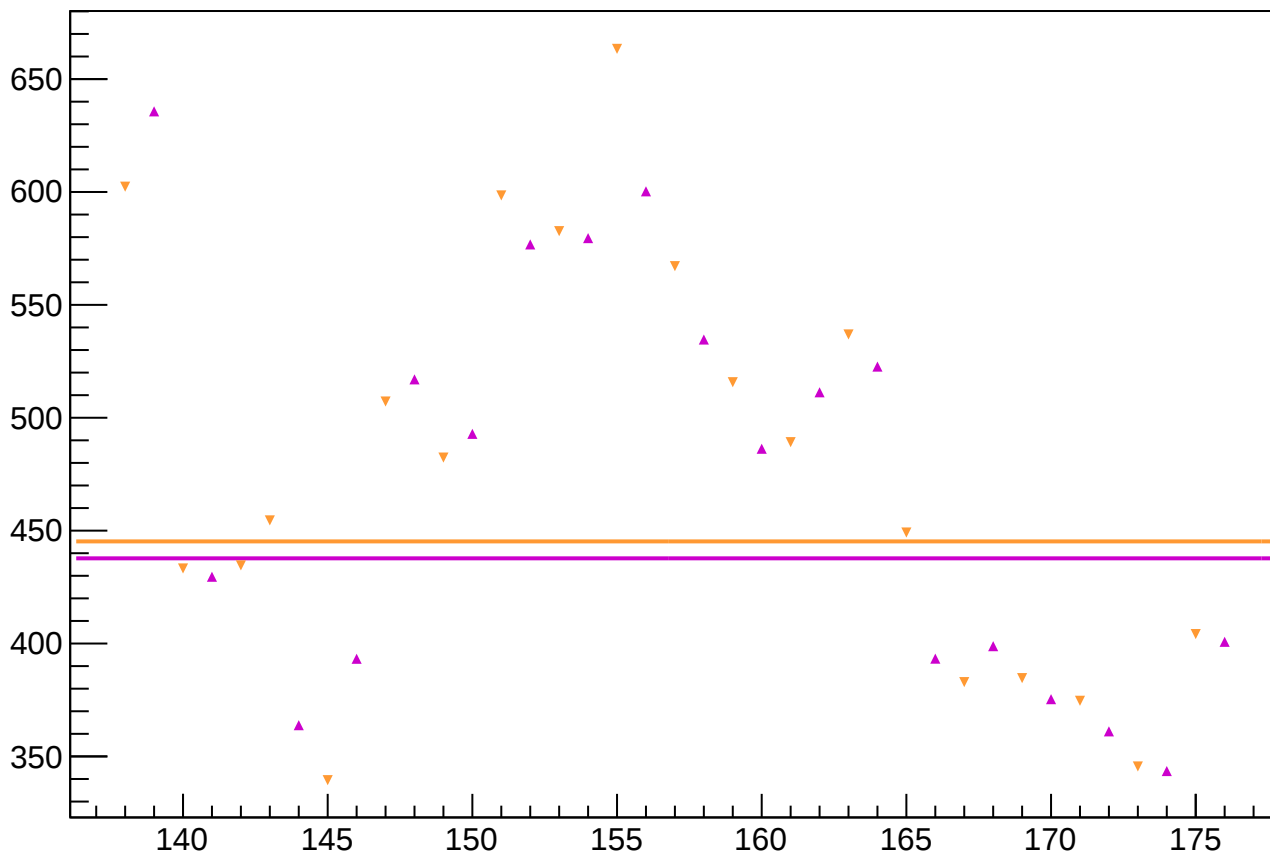
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 119.194+/-116.116 χ^2/NDF :21.6/18

Out: -661.259+/-117.087 χ^2/NDF :57.6/19

All: -267.781+/-82.447 χ^2/NDF : 101.6/38

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 445.237+/-0.083 χ^2/NDF :1081158.3/19

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

Left In: 437.731+/-0.082 χ^2/NDF :1004057.3/18

Left: 441.453+/-0.058 χ^2/NDF : 2089359.9/38

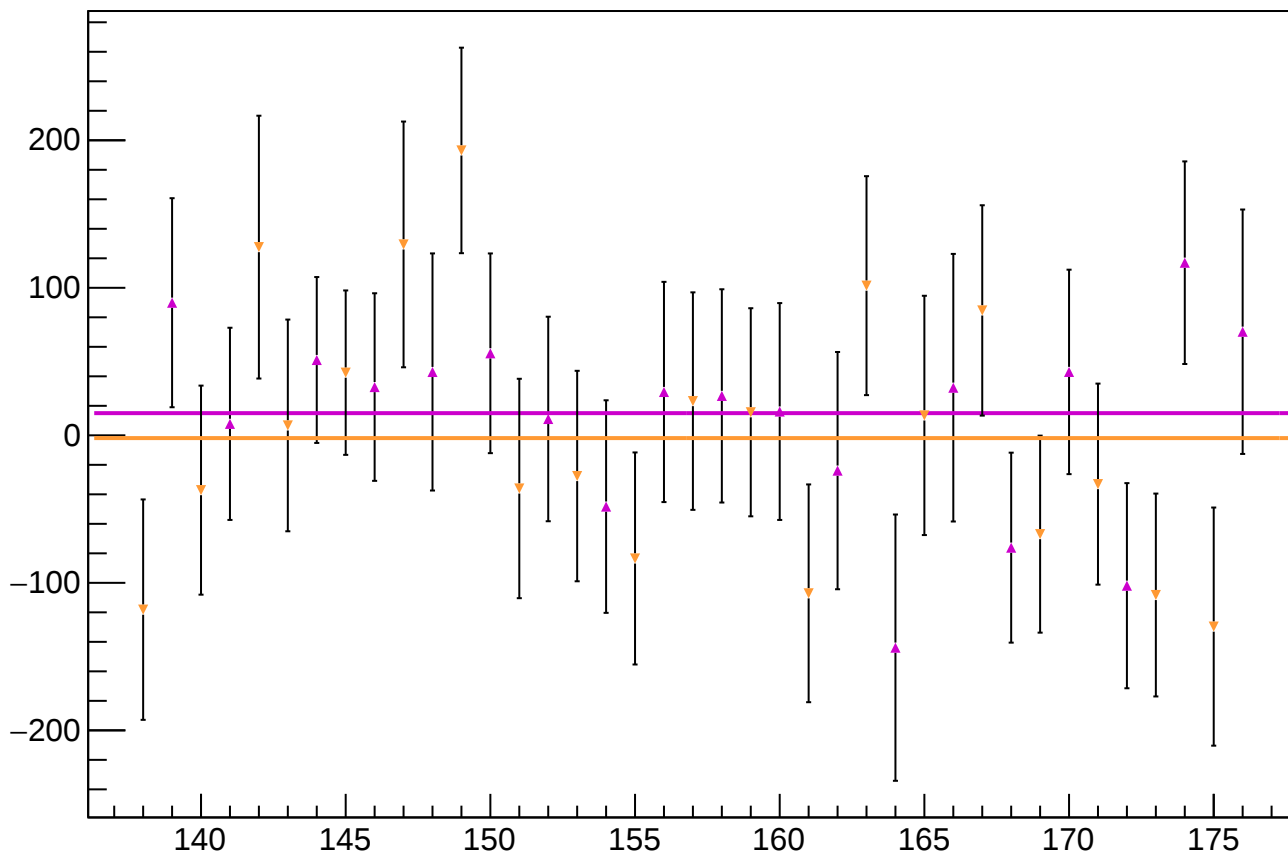
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 437.731+/-0.082 χ^2/NDF :1004057.3/18

Out: 445.237+/-0.083 χ^2/NDF :1081158.3/19

All: 441.453+/-0.058 χ^2/NDF : 2089359.9/38

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -1.879+/-16.127 χ^2/NDF :29.1/19

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

Left In: 15.037+/-16.349 χ^2/NDF :14.0/18

Left: 6.463+/-11.481 χ^2/NDF : 43.6/38

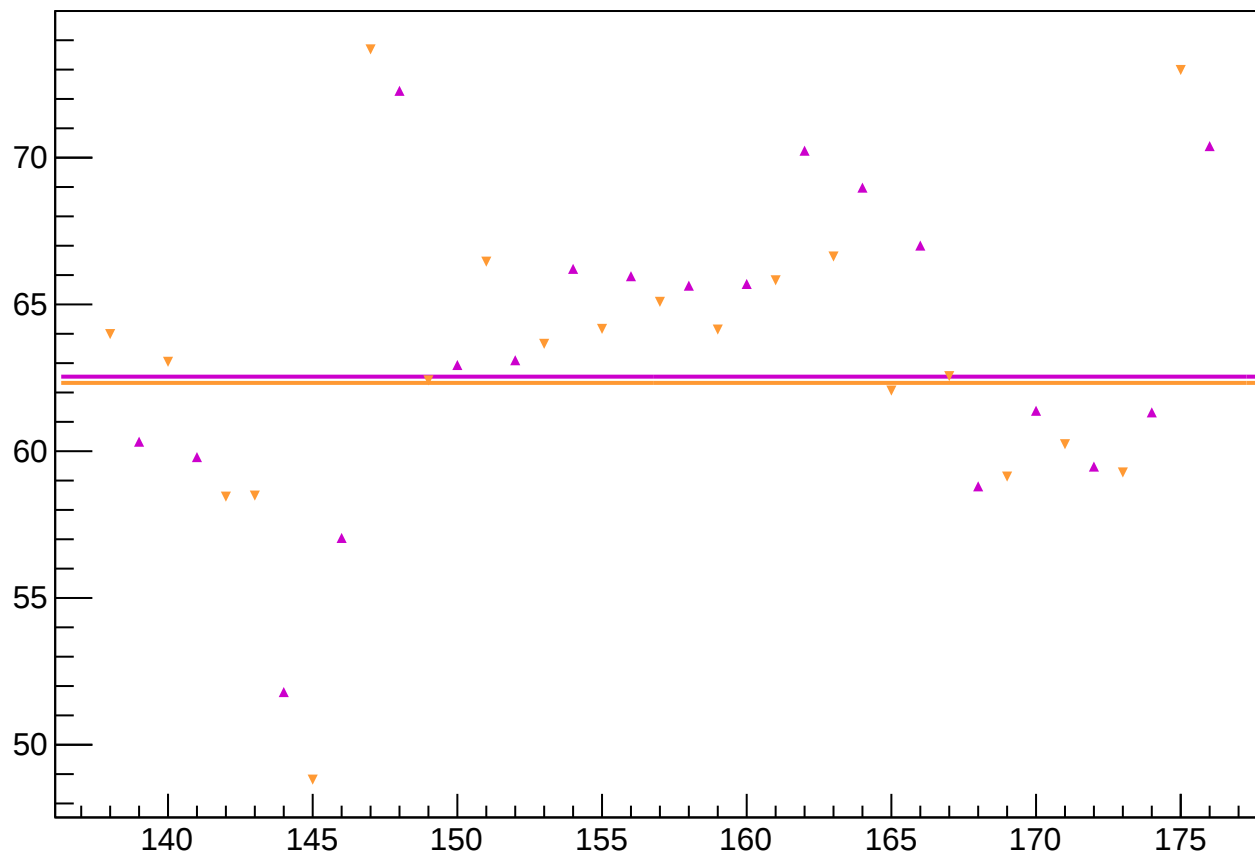
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 15.037+/-16.349 χ^2/NDF :14.0/18

Out: -1.879+/-16.127 χ^2/NDF :29.1/19

All: 6.463+/-11.481 χ^2/NDF : 43.6/38

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: 62.327+/-0.011 χ^2/NDF :234389.2/19

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

Left In: 62.540+/-0.012 χ^2/NDF :202922.7/18

Left: 62.432+/-0.008 χ^2/NDF : 437483.2/38

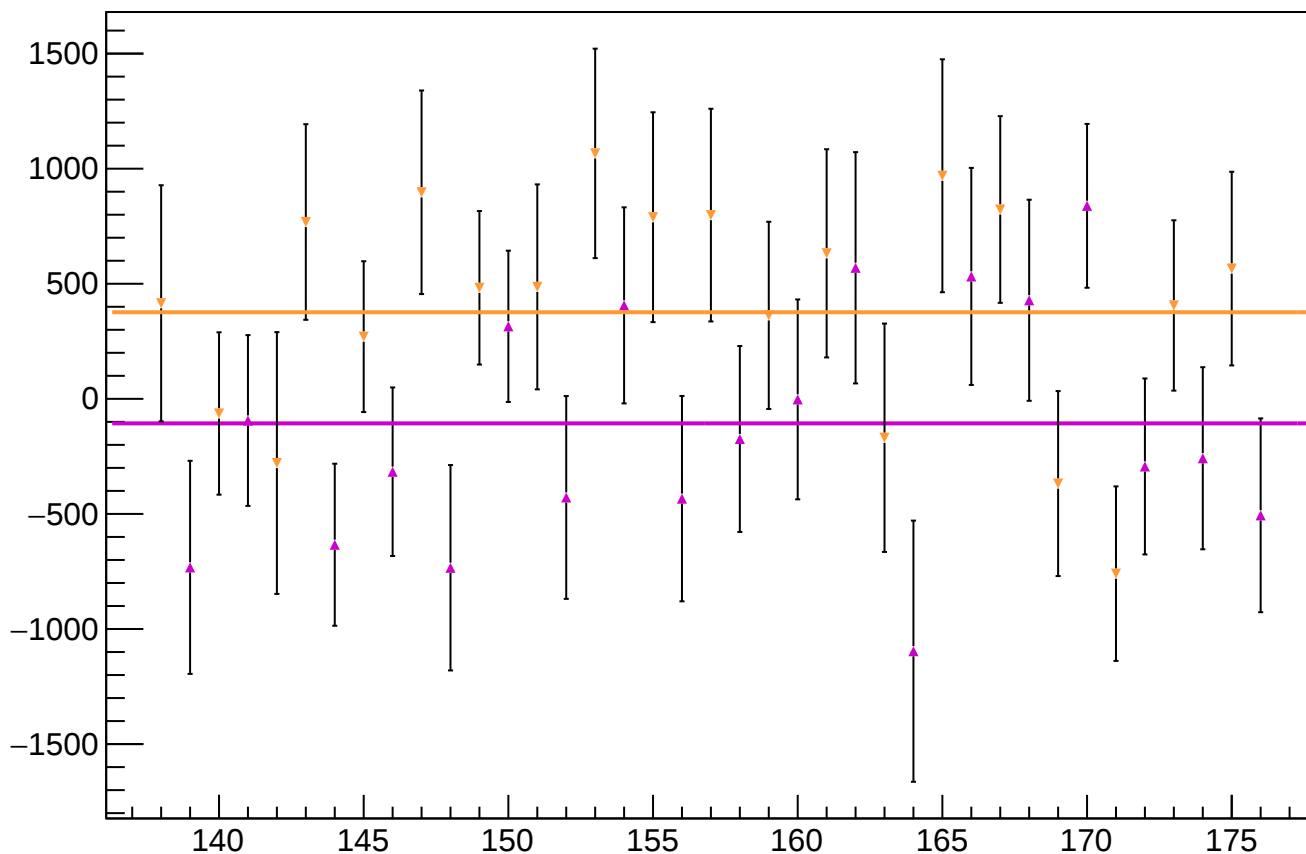
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.540+/-0.012 χ^2/NDF :202922.7/18

Out: 62.327+/-0.011 χ^2/NDF :234389.2/19

All: 62.432+/-0.008 χ^2/NDF : 437483.2/38

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 376.279 $\pm$ 93.516 χ^2 /NDF:26.1/19

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

Left In: -106.598 $\pm$ 94.308 χ^2 /NDF:27.2/18

Left: 136.878 $\pm$ 66.404 χ^2 /NDF: 66.5/38

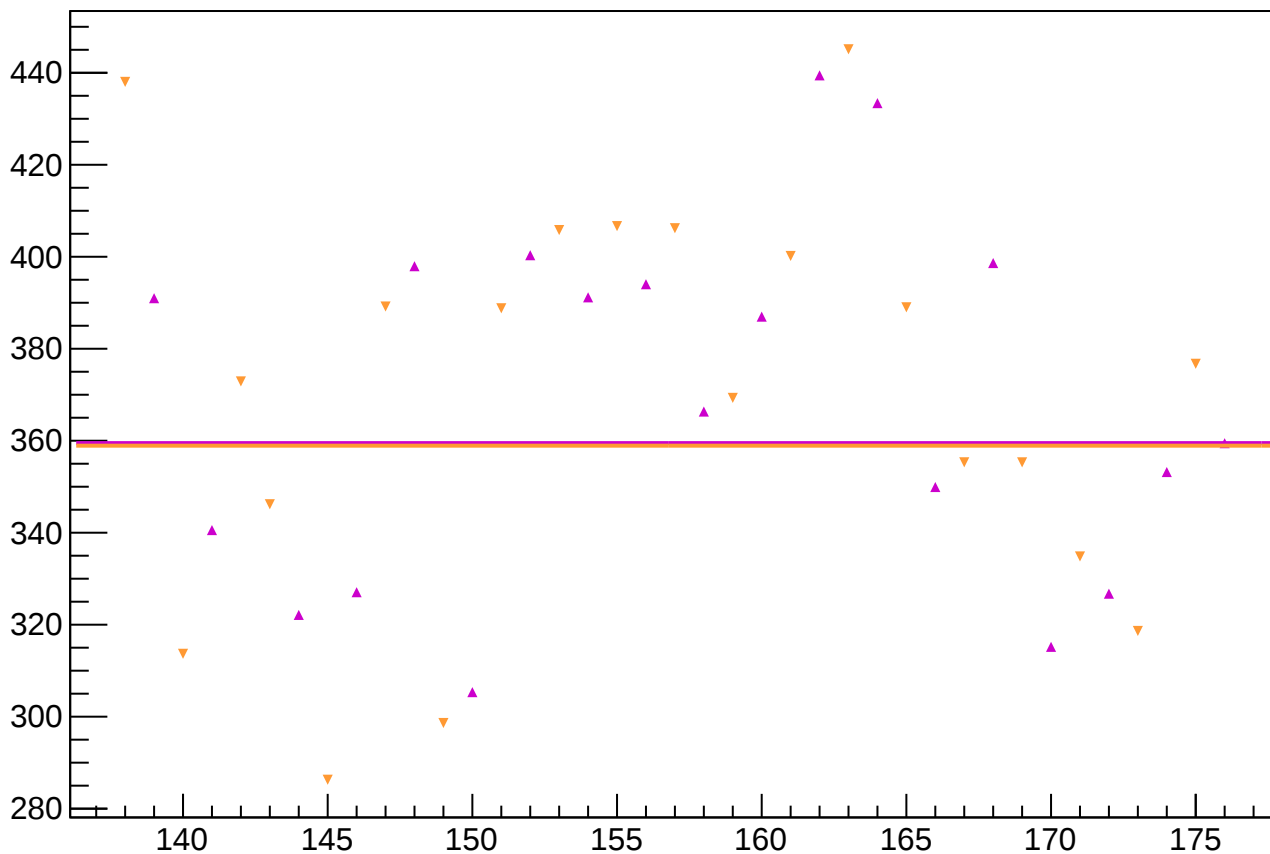
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -106.598 $\pm$ 94.308 χ^2 /NDF:27.2/18

Out: 376.279 $\pm$ 93.516 χ^2 /NDF:26.1/19

All: 136.878 $\pm$ 66.404 χ^2 /NDF: 66.5/38

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 358.925+/-0.066 χ^2/NDF :450739.5/19

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

Left In: 359.479+/-0.067 χ^2/NDF :318277.1/18

Left: 359.200+/-0.047 χ^2/NDF : 769051.4/38

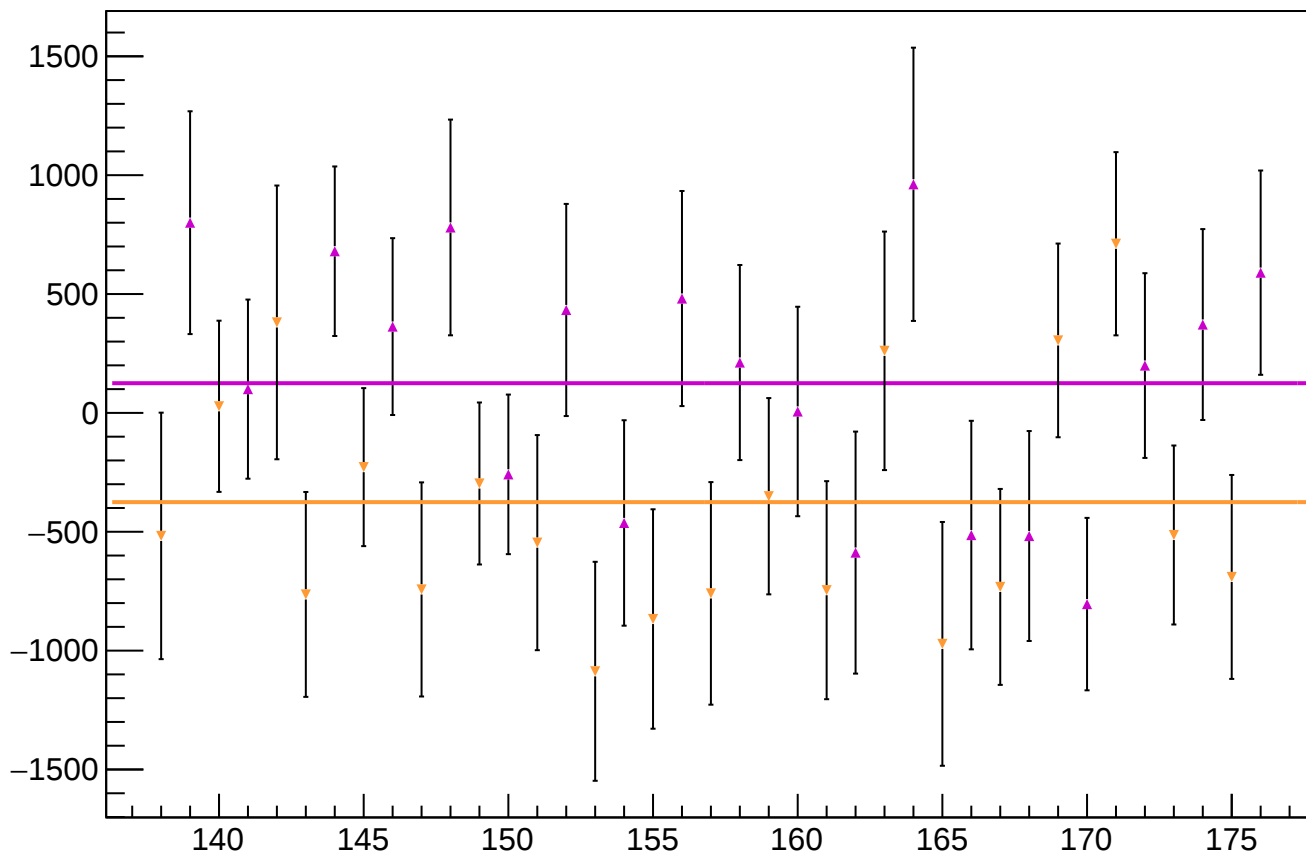
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 359.479+/-0.067 χ^2/NDF :318277.1/18

Out: 358.925+/-0.066 χ^2/NDF :450739.5/19

All: 359.200+/-0.047 χ^2/NDF : 769051.4/38

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -375.322+/-94.990 χ^2/NDF :24.9/19

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

Left In: 124.963+/-95.795 χ^2/NDF :27.5/18

Left: -127.291+/-67.451 χ^2/NDF : 66.1/38

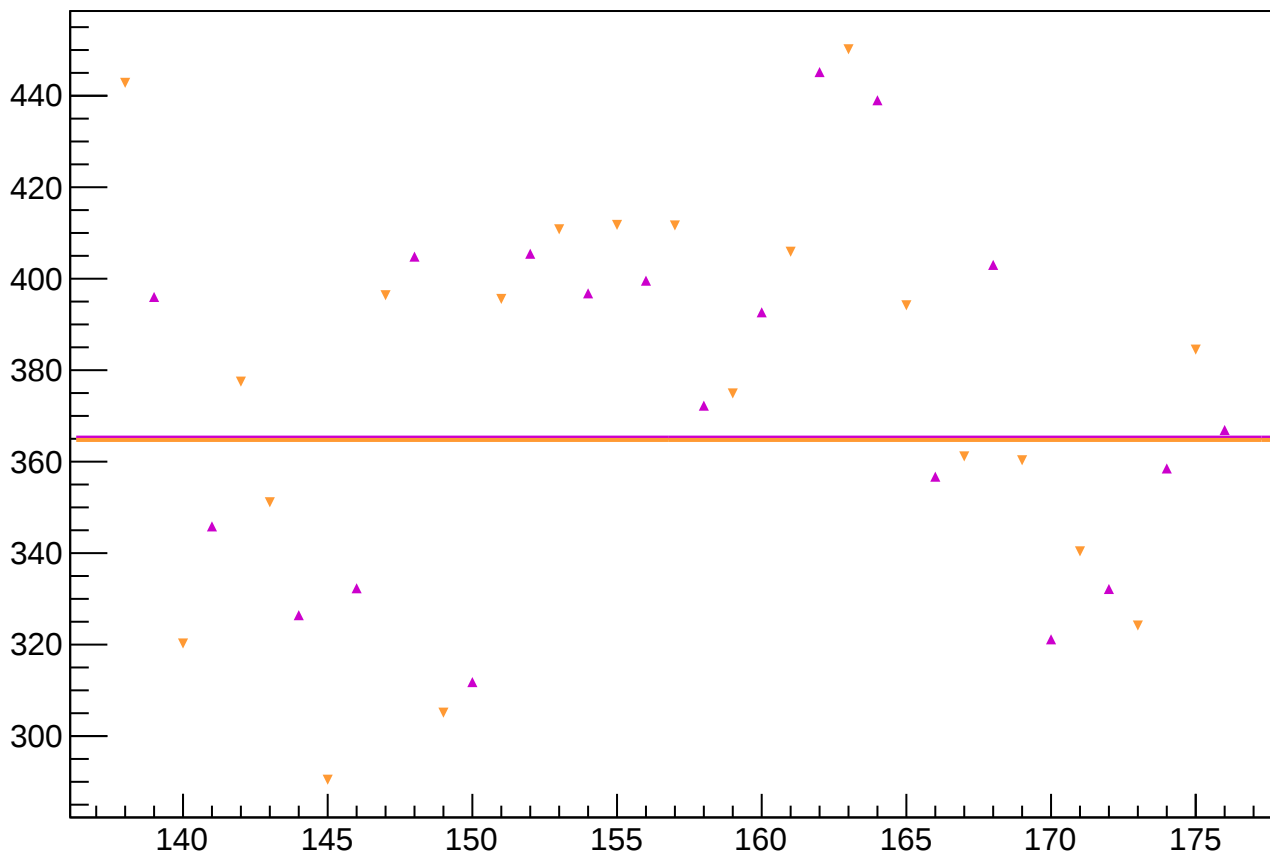
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 124.963+/-95.795 χ^2/NDF :27.5/18

Out: -375.322+/-94.990 χ^2/NDF :24.9/19

All: -127.291+/-67.451 χ^2/NDF : 66.1/38

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 364.746+/-0.067 χ^2/NDF : 437811.9/19

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

Left In: 365.258+/-0.068 χ^2/NDF : 308150.8/18

Left: 365.000+/-0.048 χ^2/NDF : 745991.5/38

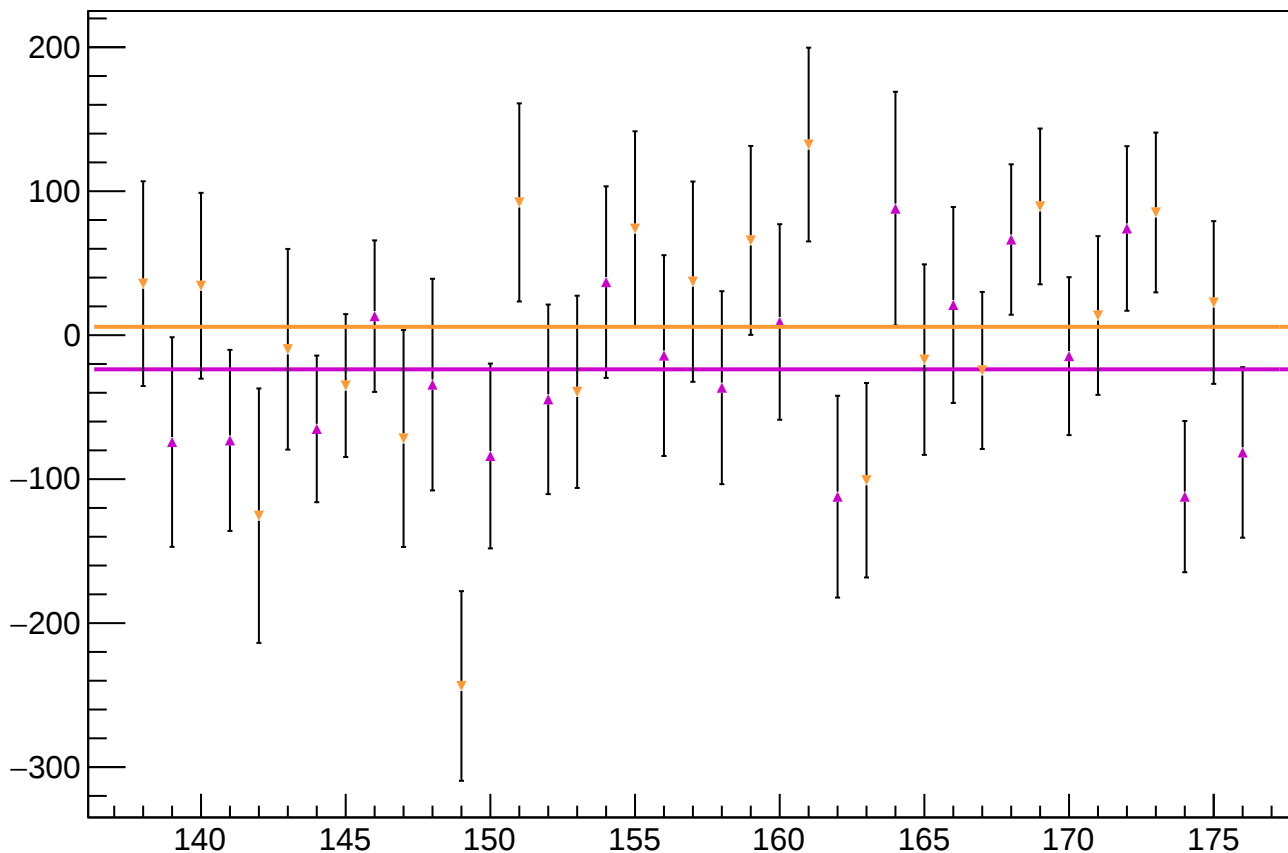
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 365.258+/-0.068 χ^2/NDF : 308150.8/18

Out: 364.746+/-0.067 χ^2/NDF : 437811.9/19

All: 365.000+/-0.048 χ^2/NDF : 745991.5/38

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: 5.788+/-14.155 χ^2/NDF :33.8/19

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

Left In: -23.719+/-14.225 χ^2/NDF :18.0/18

Left: -8.892+/-10.034 χ^2/NDF : 54.0/38

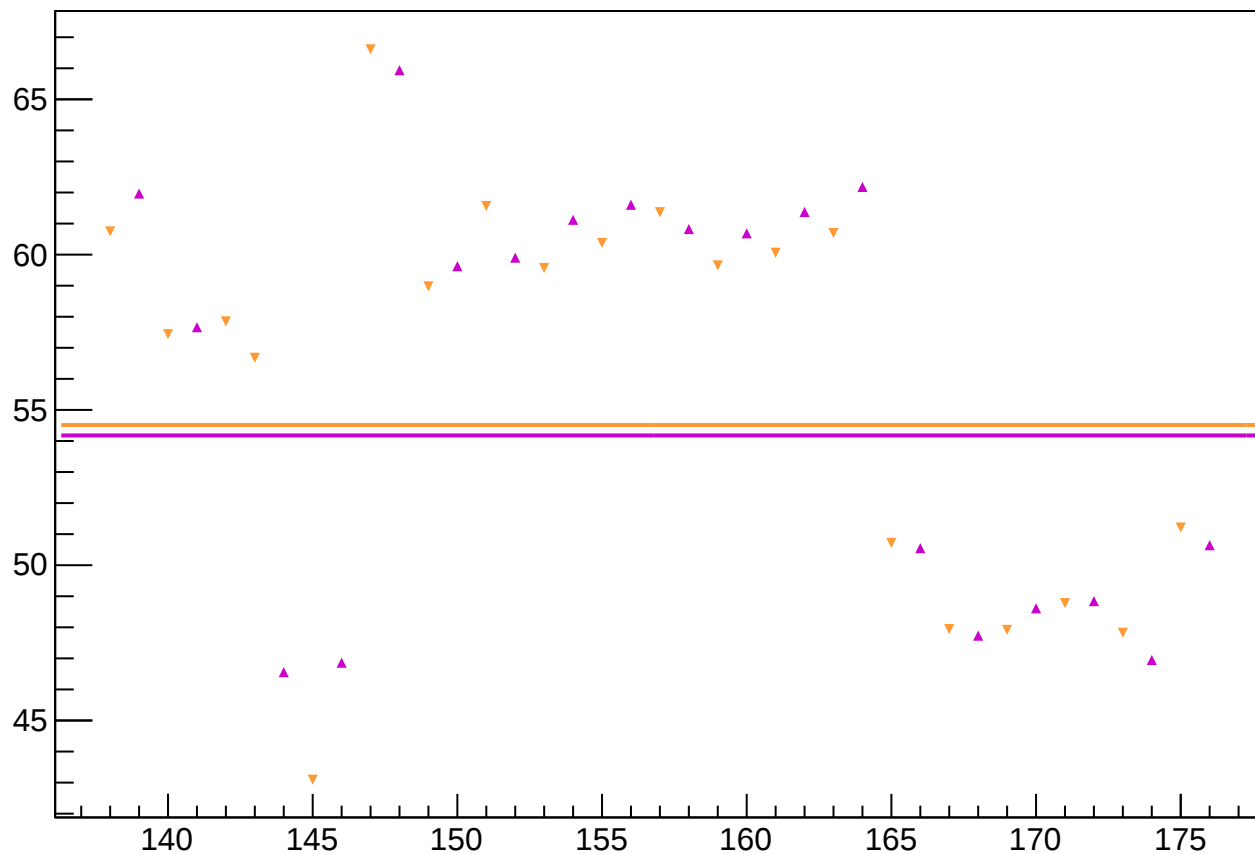
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -23.719+/-14.225 χ^2/NDF :18.0/18

Out: 5.788+/-14.155 χ^2/NDF :33.8/19

All: -8.892+/-10.034 χ^2/NDF : 54.0/38

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 54.515+/-0.010 χ^2/NDF :423362.4/19

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

Left In: 54.178+/-0.010 χ^2/NDF :435488.8/18

Left: 54.347+/-0.007 χ^2/NDF : 859413.6/38

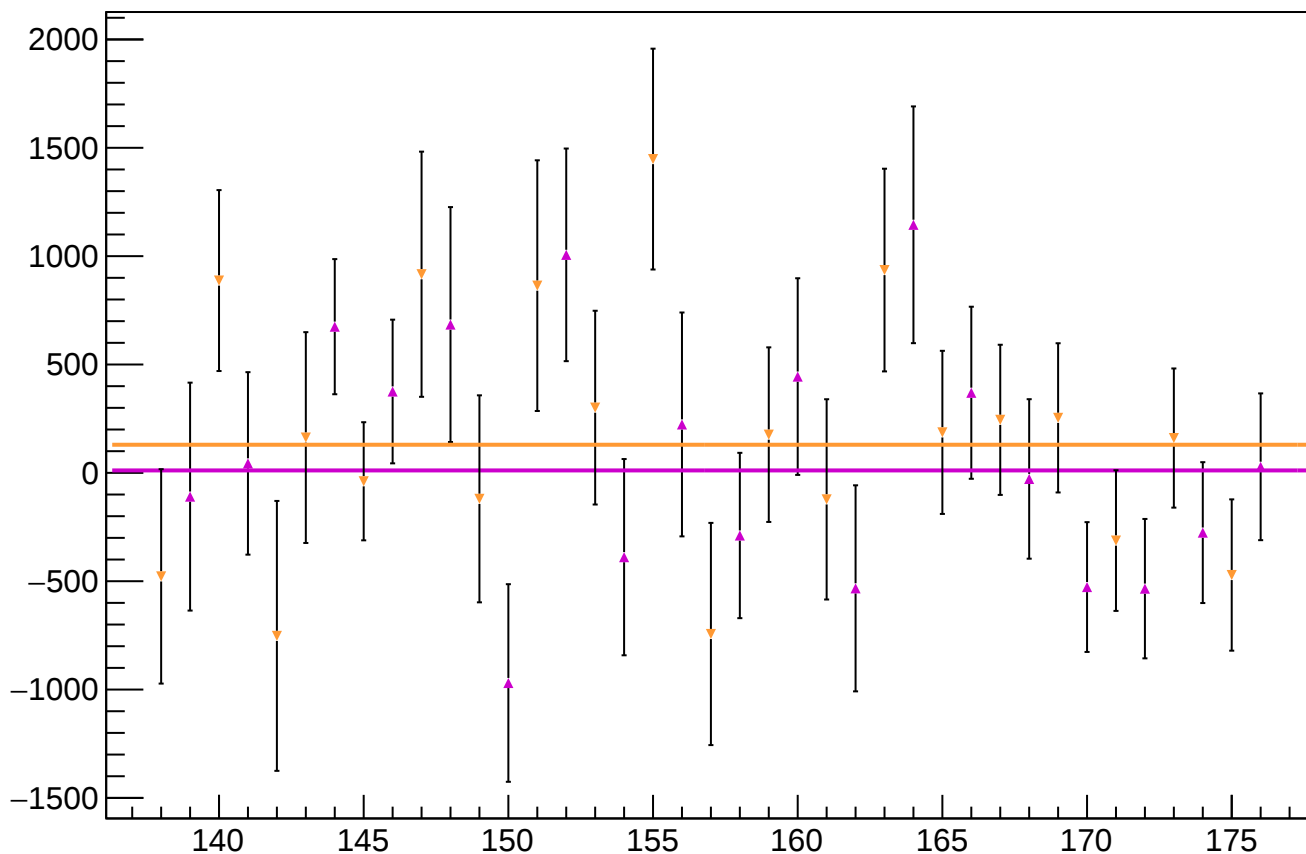
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 54.178+/-0.010 χ^2/NDF :435488.8/18

Out: 54.515+/-0.010 χ^2/NDF :423362.4/19

All: 54.347+/-0.007 χ^2/NDF : 859413.6/38

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 129.730 $\pm$ 91.327 χ^2 /NDF:29.1/19

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

Left In: 11.234 $\pm$ 90.586 χ^2 /NDF:31.9/18

Left: 70.000 $\pm$ 64.314 χ^2 /NDF: 61.9/38

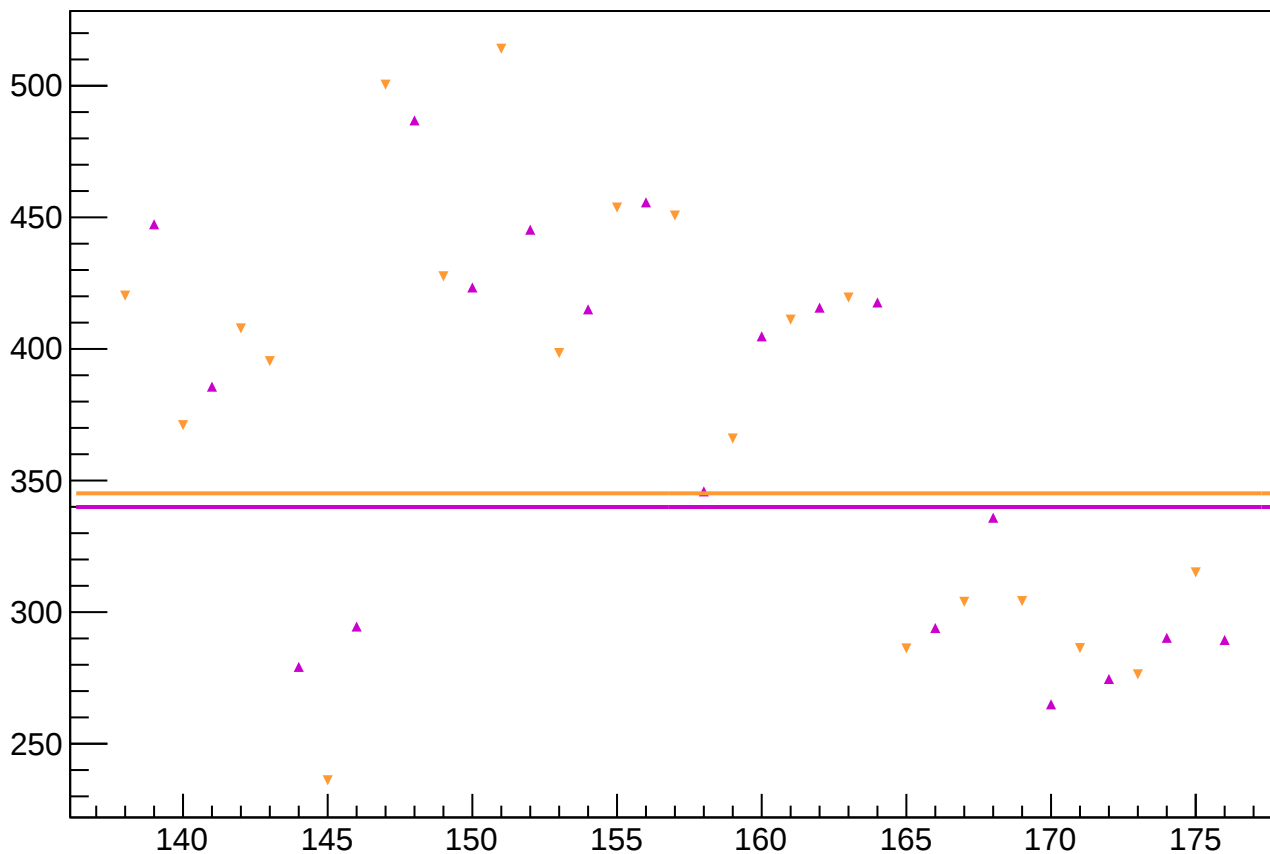
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 11.234 $\pm$ 90.586 χ^2 /NDF:31.9/18

Out: 129.730 $\pm$ 91.327 χ^2 /NDF:29.1/19

All: 70.000 $\pm$ 64.314 χ^2 /NDF: 61.9/38

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: 345.140+/-0.065 χ^2/NDF :1375100.3/19

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

Left In: 339.938+/-0.064 χ^2/NDF :1140789.0/18

Left: 342.518+/-0.045 χ^2/NDF : 2519159.8/38

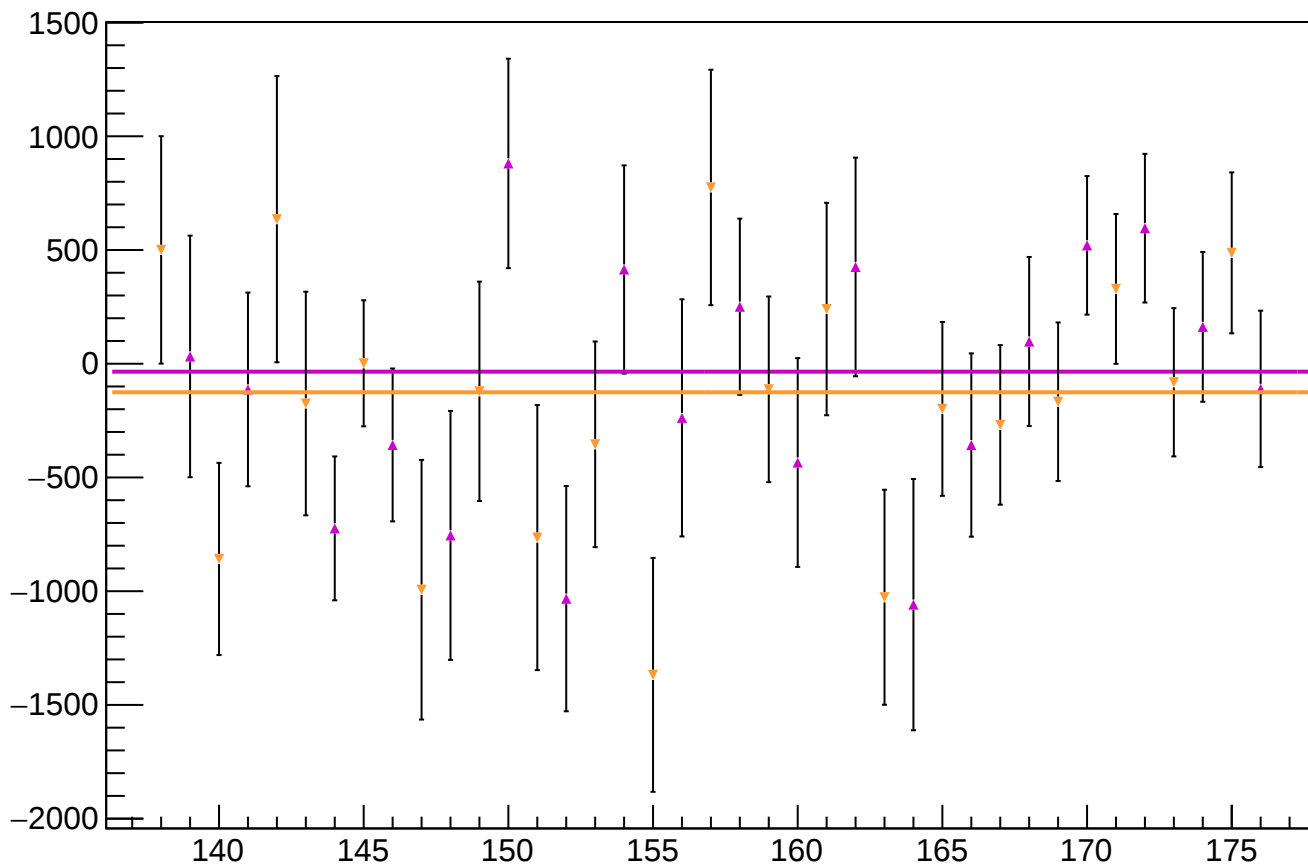
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 339.938+/-0.064 χ^2/NDF :1140789.0/18

Out: 345.140+/-0.065 χ^2/NDF :1375100.3/19

All: 342.518+/-0.045 χ^2/NDF : 2519159.8/38

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -125.446+/-92.484 χ^2/NDF :28.3/19

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

Left In: -34.977+/-91.766 χ^2/NDF :30.5/18

Left: -79.859+/-65.141 χ^2/NDF : 59.2/38

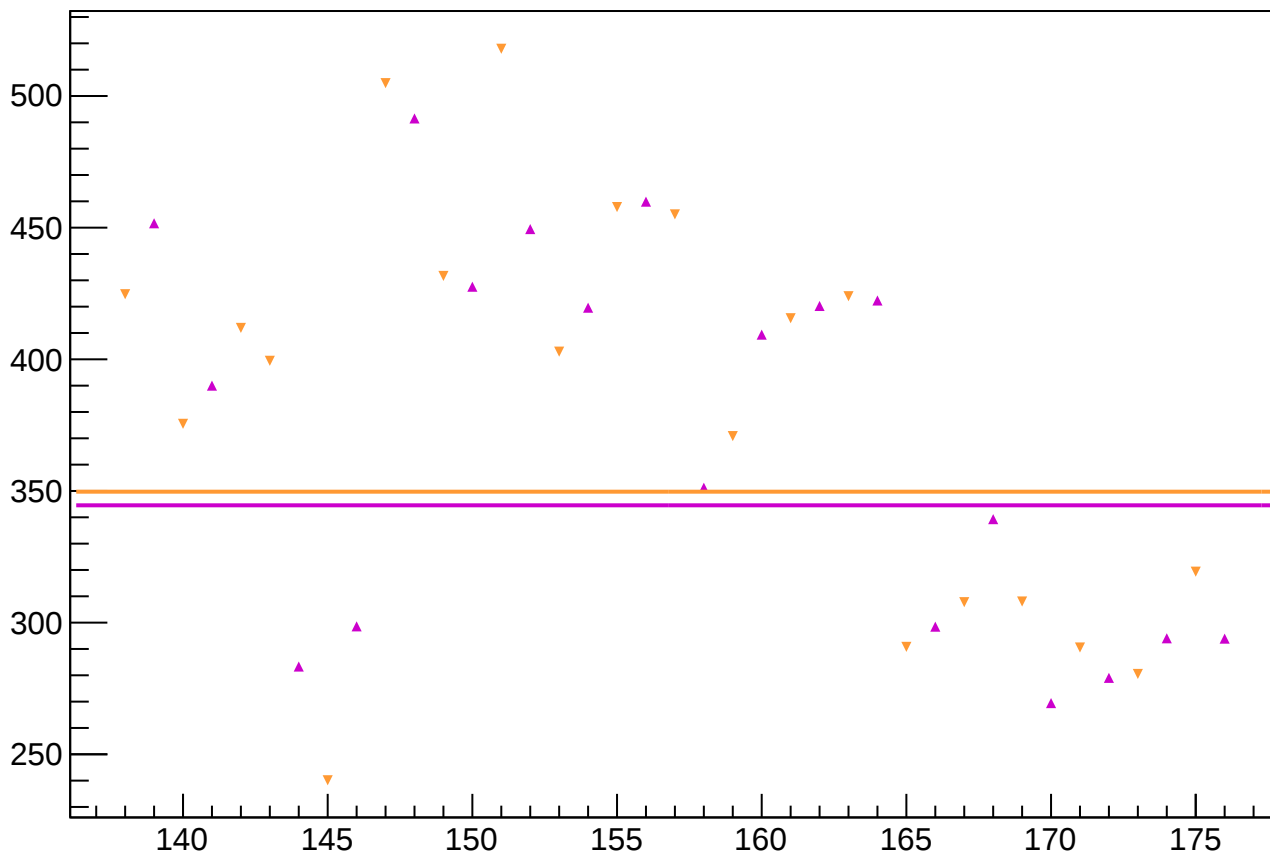
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.977+/-91.766 χ^2/NDF :30.5/18

Out: -125.446+/-92.484 χ^2/NDF :28.3/19

All: -79.859+/-65.141 χ^2/NDF : 59.2/38

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 349.731+/-0.065 χ^2/NDF :1345301.6/19

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

Left In: 344.555+/-0.065 χ^2/NDF :1116027.4/18

Left: 347.123+/-0.046 χ^2/NDF : 2464486.3/38

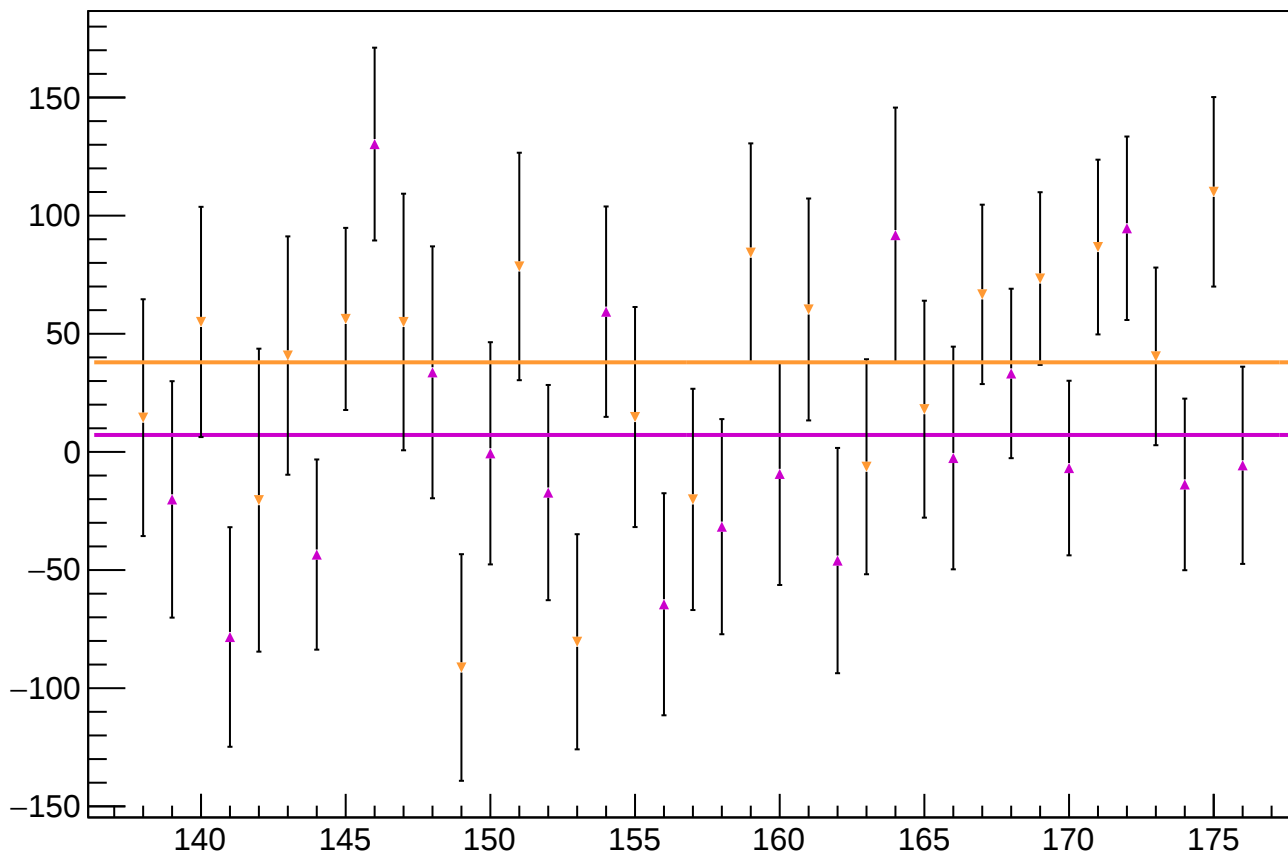
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 344.555+/-0.065 χ^2/NDF :1116027.4/18

Out: 349.731+/-0.065 χ^2/NDF :1345301.6/19

All: 347.123+/-0.046 χ^2/NDF : 2464486.3/38

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: 37.920 $\pm$ 9.942 χ^2 /NDF:26.9/19

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

Left In: 7.176 $\pm$ 10.000 χ^2 /NDF:29.4/18

Left: 22.638 $\pm$ 7.051 χ^2 /NDF: 61.0/38

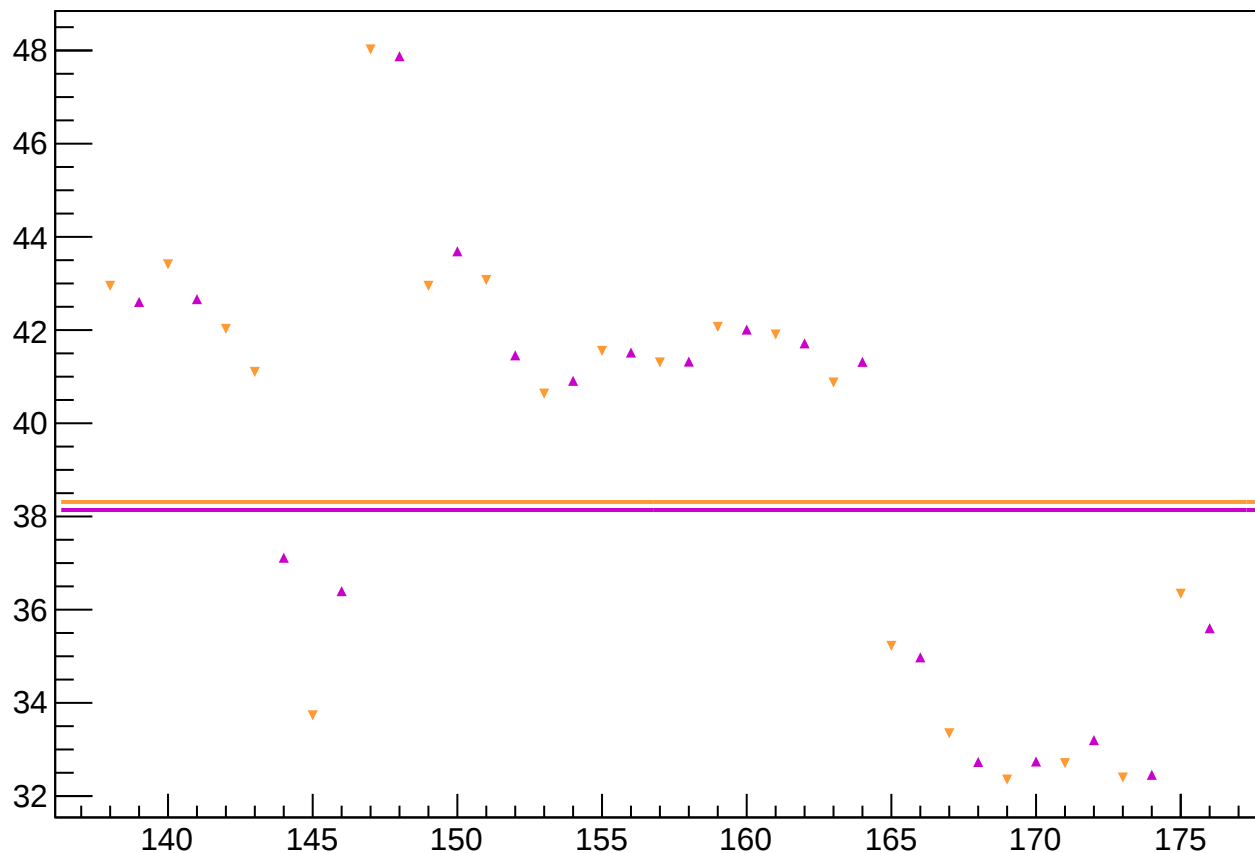
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 7.176 $\pm$ 10.000 χ^2 /NDF:29.4/18

Out: 37.920 $\pm$ 9.942 χ^2 /NDF:26.9/19

All: 22.638 $\pm$ 7.051 χ^2 /NDF: 61.0/38

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: 38.311+/-0.007 χ^2/NDF :433395.1/19

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

Left In: 38.139+/-0.007 χ^2/NDF :390594.9/18

Left: 38.225+/-0.005 χ^2/NDF : 824289.9/38

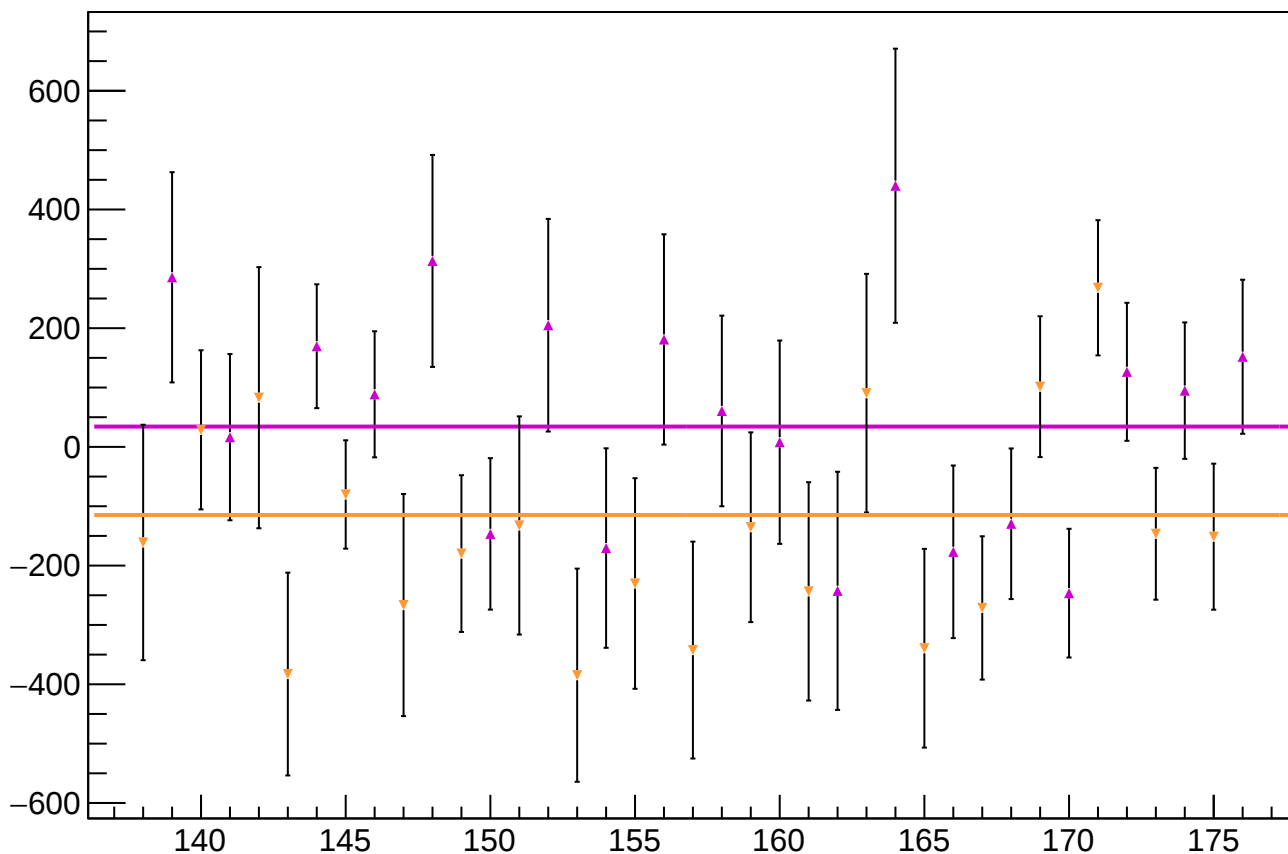
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.139+/-0.007 χ^2/NDF :390594.9/18

Out: 38.311+/-0.007 χ^2/NDF :433395.1/19

All: 38.225+/-0.005 χ^2/NDF : 824289.9/38

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: -114.742+/-32.325 χ^2/NDF :29.6/19

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

Left In: 34.225+/-32.036 χ^2/NDF :28.7/18

Left: -39.588+/-22.754 χ^2/NDF : 69.0/38

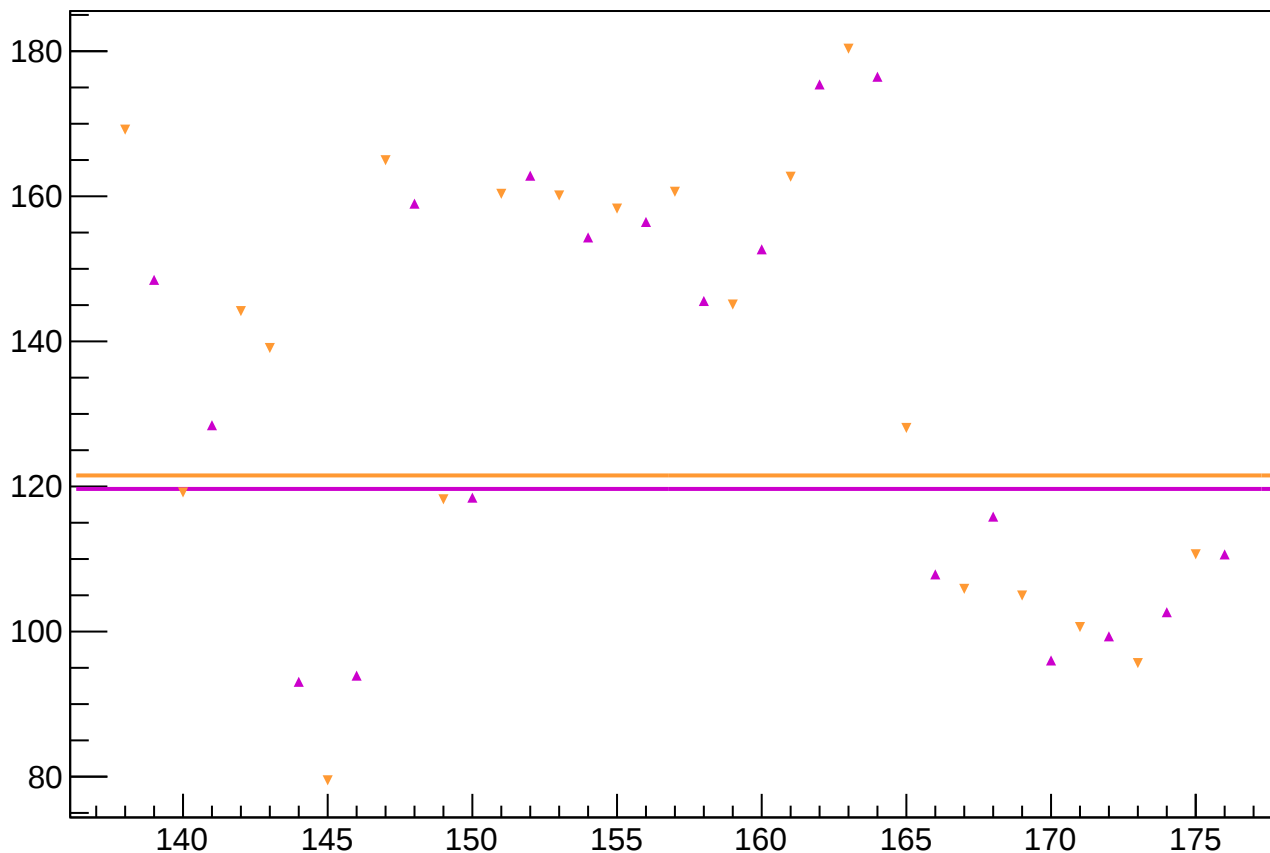
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 34.225+/-32.036 χ^2/NDF :28.7/18

Out: -114.742+/-32.325 χ^2/NDF :29.6/19

All: -39.588+/-22.754 χ^2/NDF : 69.0/38

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 121.521+/-0.023 χ^2/NDF :1632156.1/19

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

Left In: 119.661+/-0.023 χ^2/NDF :1319096.3/18

Left: 120.582+/-0.016 χ^2/NDF : 2954593.0/38

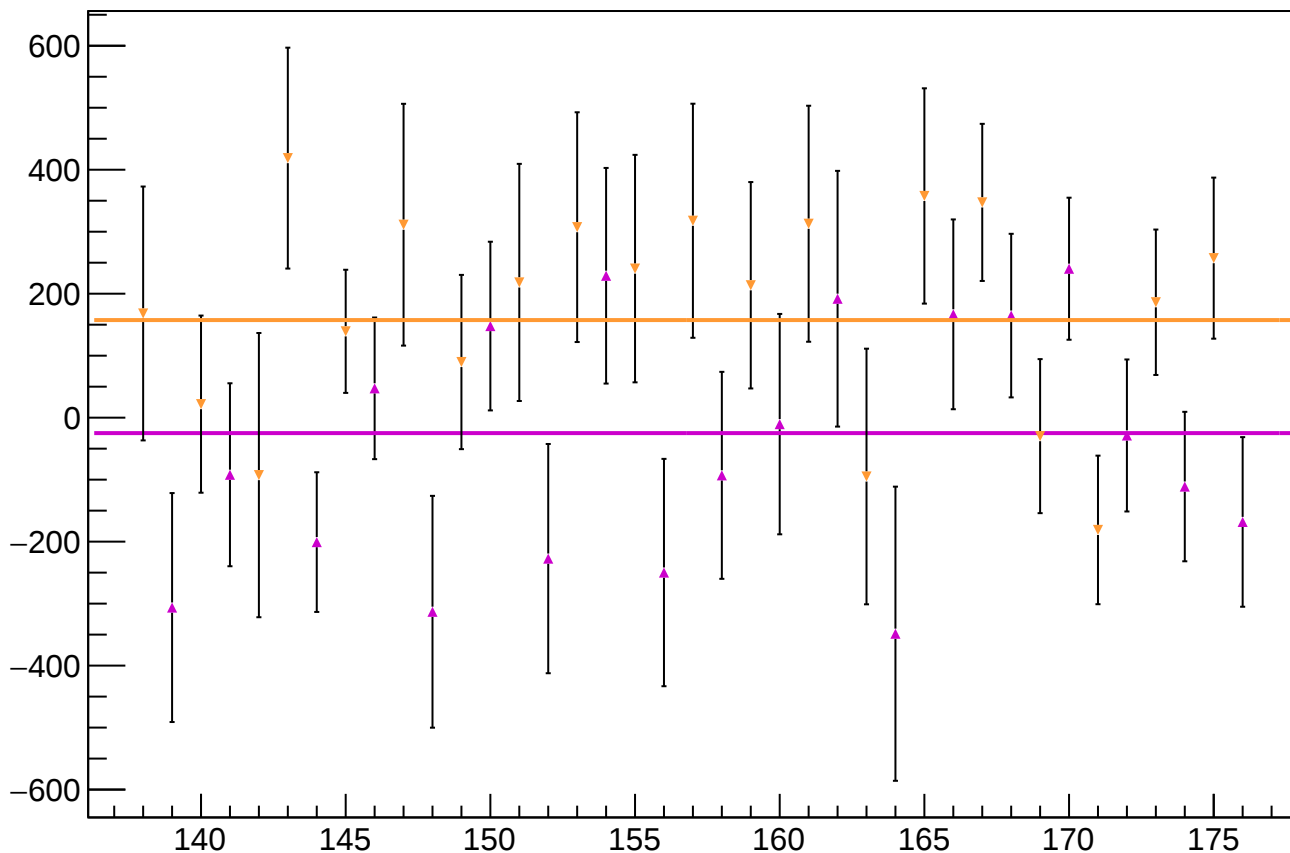
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 119.661+/-0.023 χ^2/NDF :1319096.3/18

Out: 121.521+/-0.023 χ^2/NDF :1632156.1/19

All: 120.582+/-0.016 χ^2/NDF : 2954593.0/38

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 157.431+/-34.007 χ^2/NDF :23.6/19

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

Left In: -24.921+/-33.729 χ^2/NDF :27.9/18

Left: 65.508+/-23.948 χ^2/NDF : 66.0/38

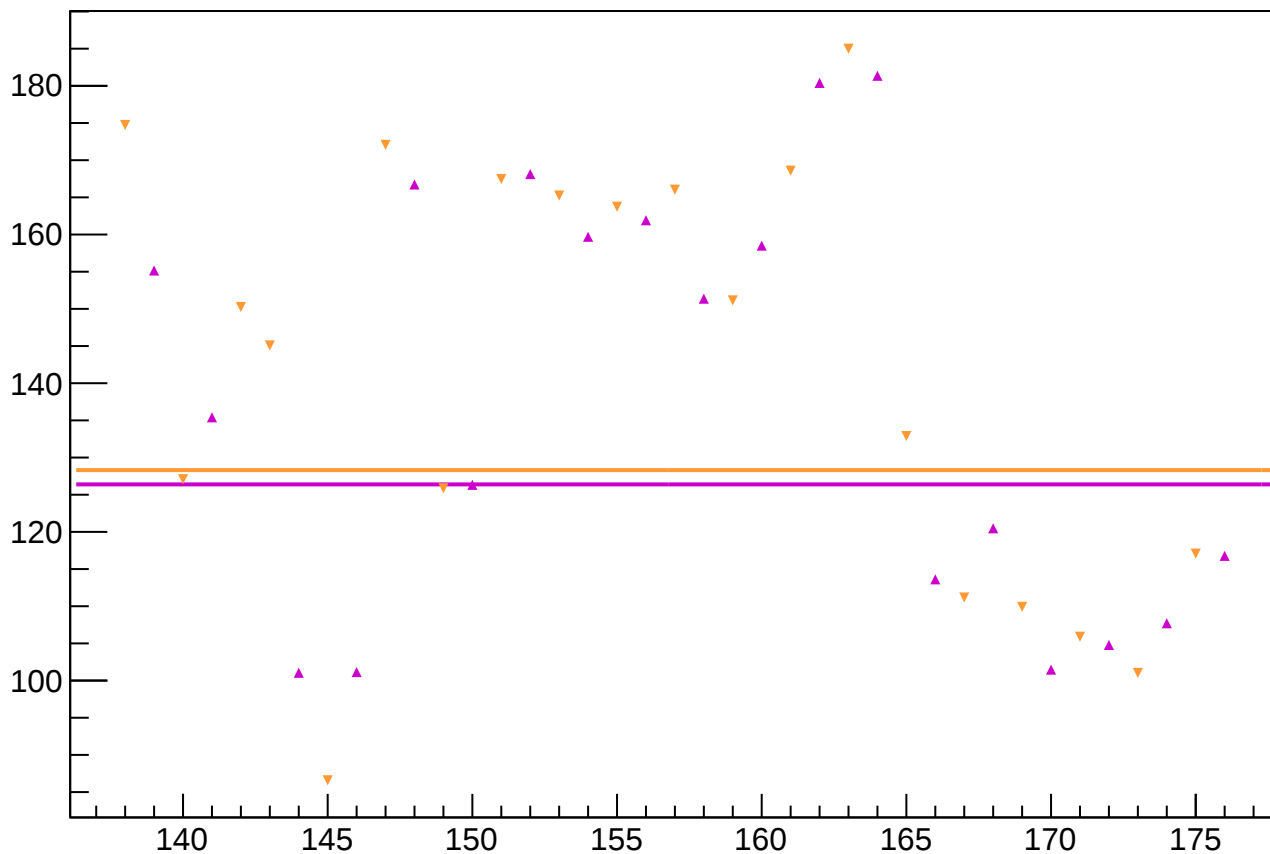
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.921+/-33.729 χ^2/NDF :27.9/18

Out: 157.431+/-34.007 χ^2/NDF :23.6/19

All: 65.508+/-23.948 χ^2/NDF : 66.0/38

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 128.309+/-0.024 χ^2/NDF :1463821.5/19

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

Left In: 126.387+/-0.024 χ^2/NDF :1185217.8/18

Left: 127.340+/-0.017 χ^2/NDF : 2652262.0/38

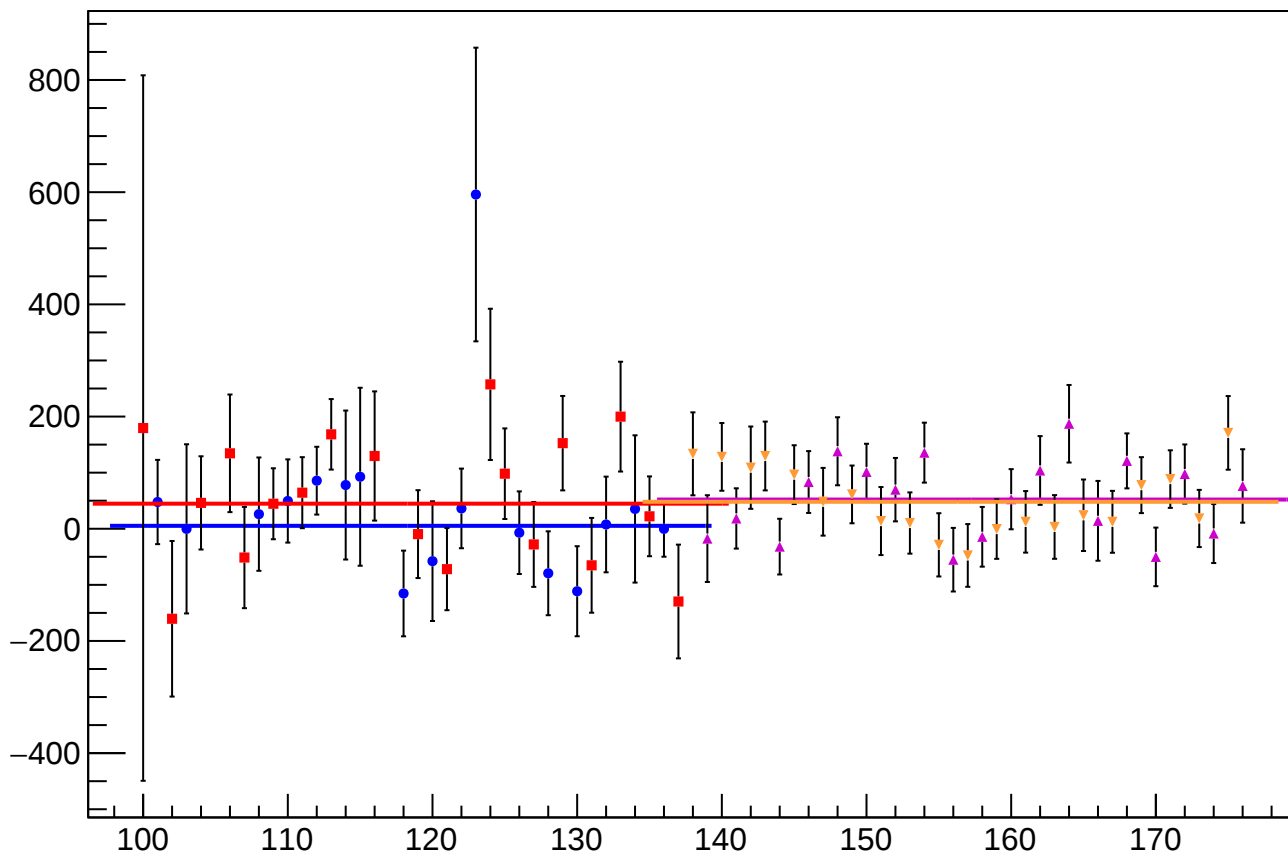
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 126.387+/-0.024 χ^2/NDF :1185217.8/18

Out: 128.309+/-0.024 χ^2/NDF :1463821.5/19

All: 127.340+/-0.017 χ^2/NDF : 2652262.0/38

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220+/-20.150 χ^2/NDF : 14.7/16

Left Out: 48.082+/-12.764 χ^2/NDF :19.3/19

Right Out: 44.715+/-19.410 χ^2/NDF : 24.4/18

Left In: 52.078+/-12.908 χ^2/NDF :27.9/18

Left: 50.057+/-9.076 χ^2/NDF : 47.2/38

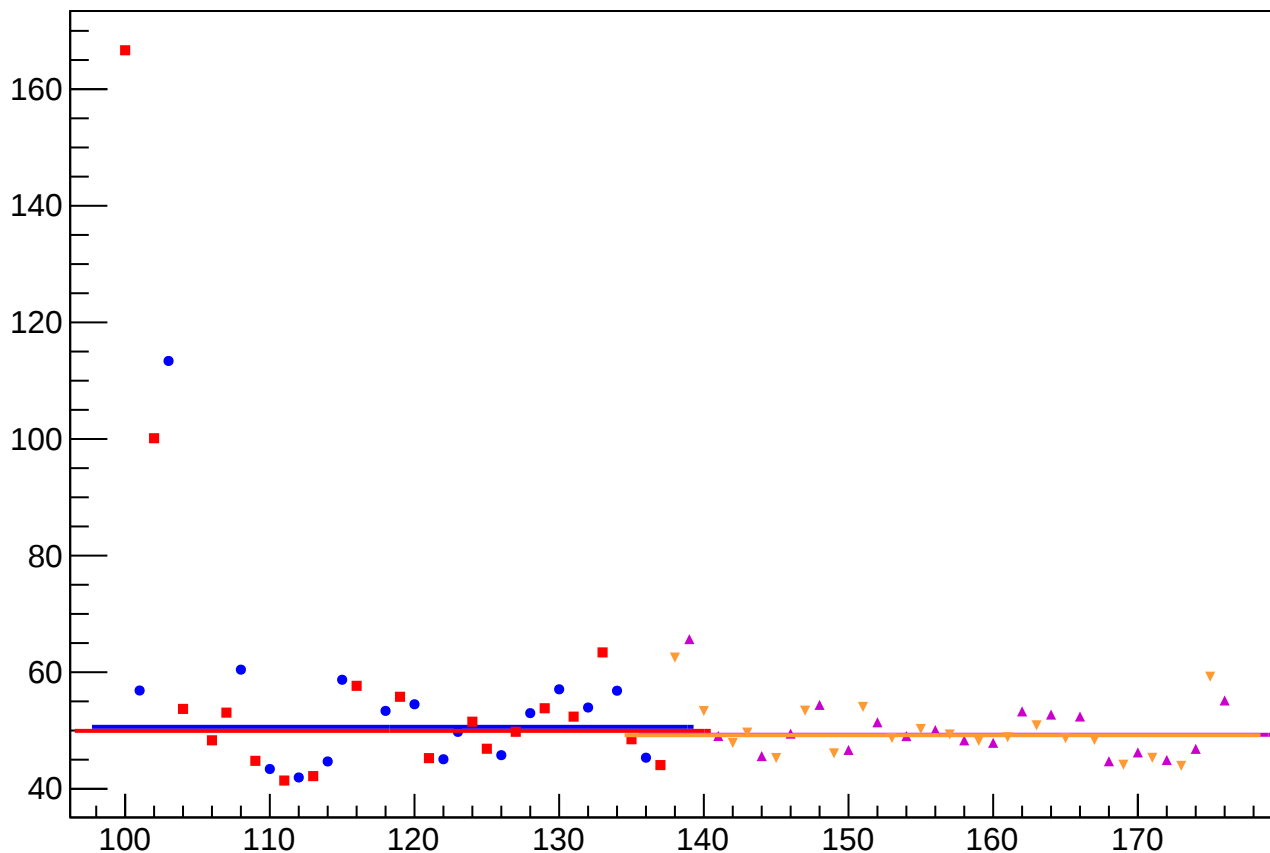
Right: 25.706+/-13.979 χ^2/NDF : 41.1/35

In: 38.445+/-10.869 χ^2/NDF :46.4/35

Out: 47.065+/-10.665 χ^2/NDF :43.7/38

All: 42.837+/-7.612 χ^2/NDF : 90.5/74

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: 49.196 $\pm$ 0.009 χ^2 /NDF: 219961.3/19

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

Left In: 49.273 $\pm$ 0.009 χ^2 /NDF: 201061.5/18

Left: 49.234 $\pm$ 0.006 χ^2 /NDF: 421059.1/38

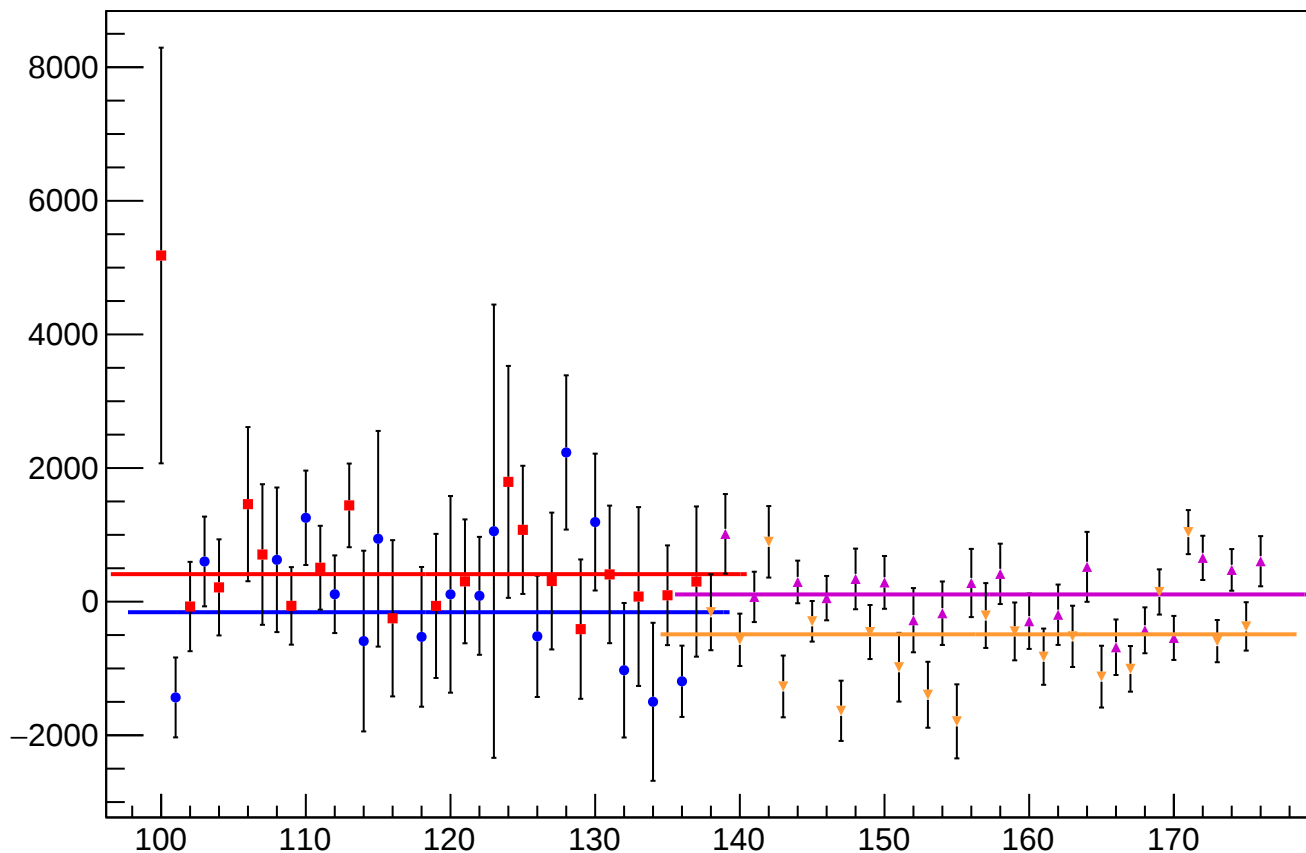
Right: 50.276 $\pm$ 0.010 χ^2 /NDF: 1021399.4/35

In: 49.669 $\pm$ 0.008 χ^2 /NDF: 727222.0/35

Out: 49.421 $\pm$ 0.008 χ^2 /NDF: 722516.9/38

All: 49.543 $\pm$ 0.005 χ^2 /NDF: 1450269.6/74

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -488.912 $\pm$ 91.456 χ^2 /NDF:57.0/19

Right Out: 411.611 $\pm$ 203.633 χ^2 /NDF: 9.8/18

Left In: 108.190 $\pm$ 90.599 χ^2 /NDF:22.6/18

Left: -187.549 $\pm$ 64.364 χ^2 /NDF: 101.1/38

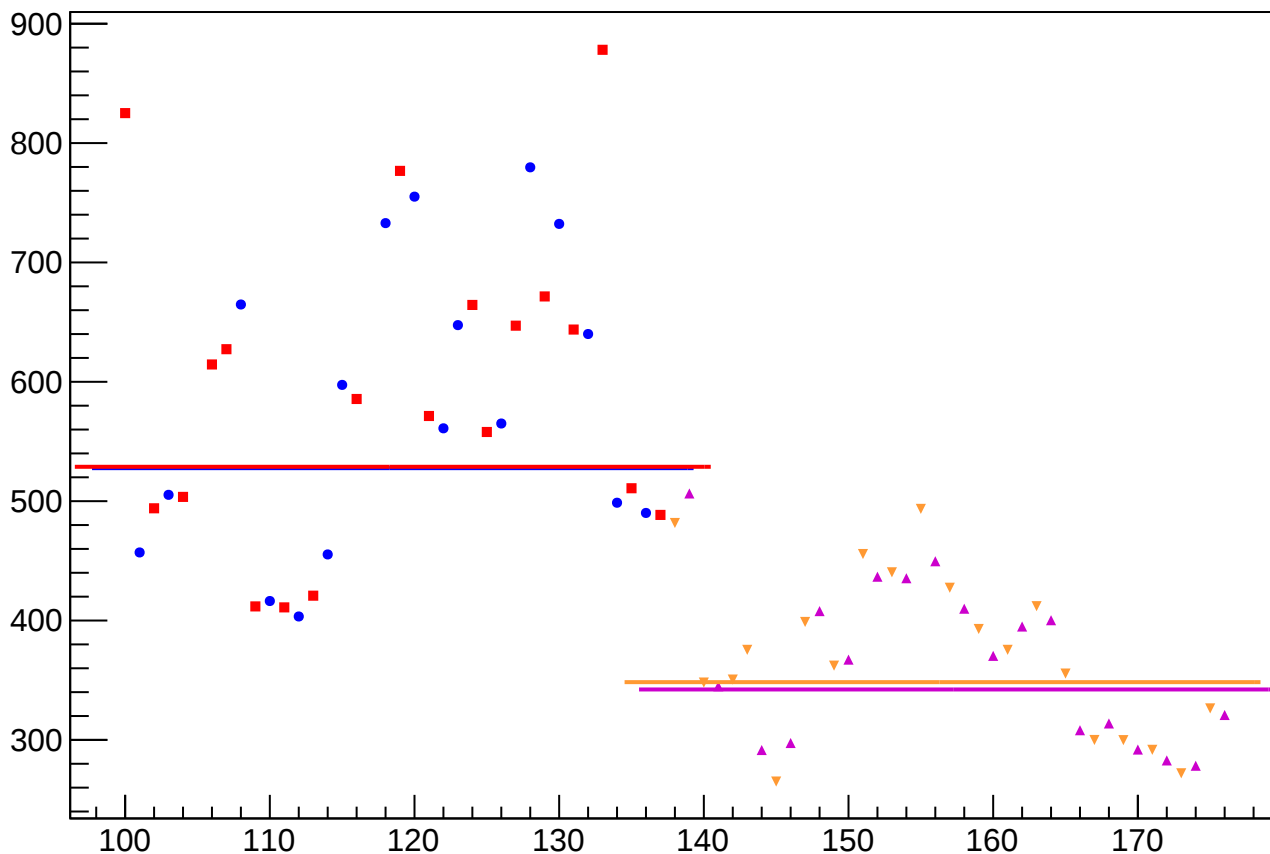
Right: 135.816 $\pm$ 146.251 χ^2 /NDF: 37.0/35

In: 66.480 $\pm$ 83.198 χ^2 /NDF:47.4/35

Out: -337.757 $\pm$ 83.428 χ^2 /NDF:83.0/38

All: -135.081 $\pm$ 58.911 χ^2 /NDF: 142.2/74

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 348.386+/-0.065 χ^2/NDF : 974602.7/19

Right Out: 528.806+/-0.144 χ^2/NDF : 623364.6/18

Left In: 342.242+/-0.064 χ^2/NDF : 866192.9/18

Left: 345.285+/-0.046 χ^2/NDF : 1845351.8/38

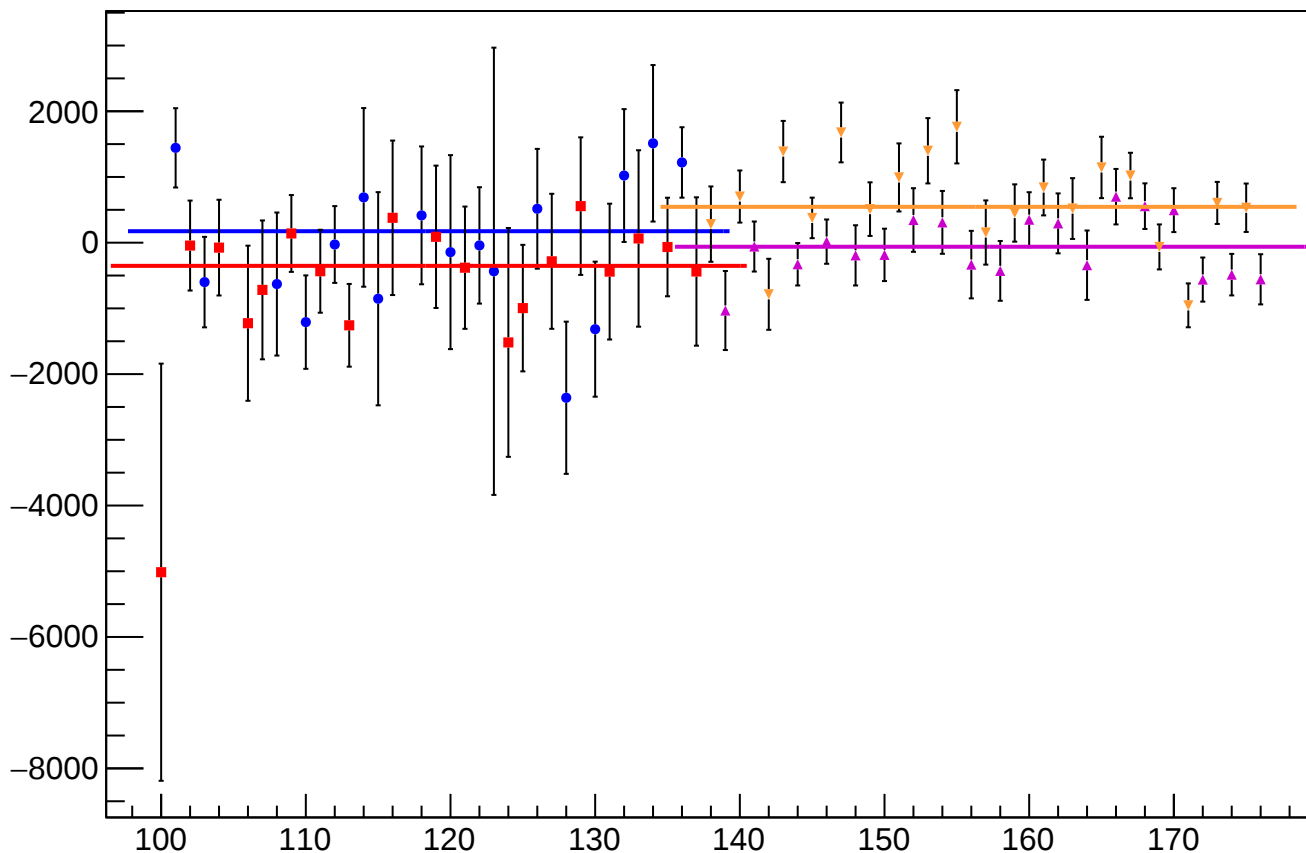
Right: 528.253+/-0.103 χ^2/NDF : 1180818.7/35

In: 371.296+/-0.059 χ^2/NDF : 2736267.8/35

Out: 378.670+/-0.059 χ^2/NDF : 2904447.5/38

All: 374.973+/-0.042 χ^2/NDF : 5648550.2/74

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 545.316 $\pm$ 92.443 χ^2 /NDF:52.8/19

Right Out: -352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

Left In: -61.882 $\pm$ 91.611 χ^2 /NDF:22.5/18

Left: 238.973 $\pm$ 65.071 χ^2 /NDF: 97.0/38

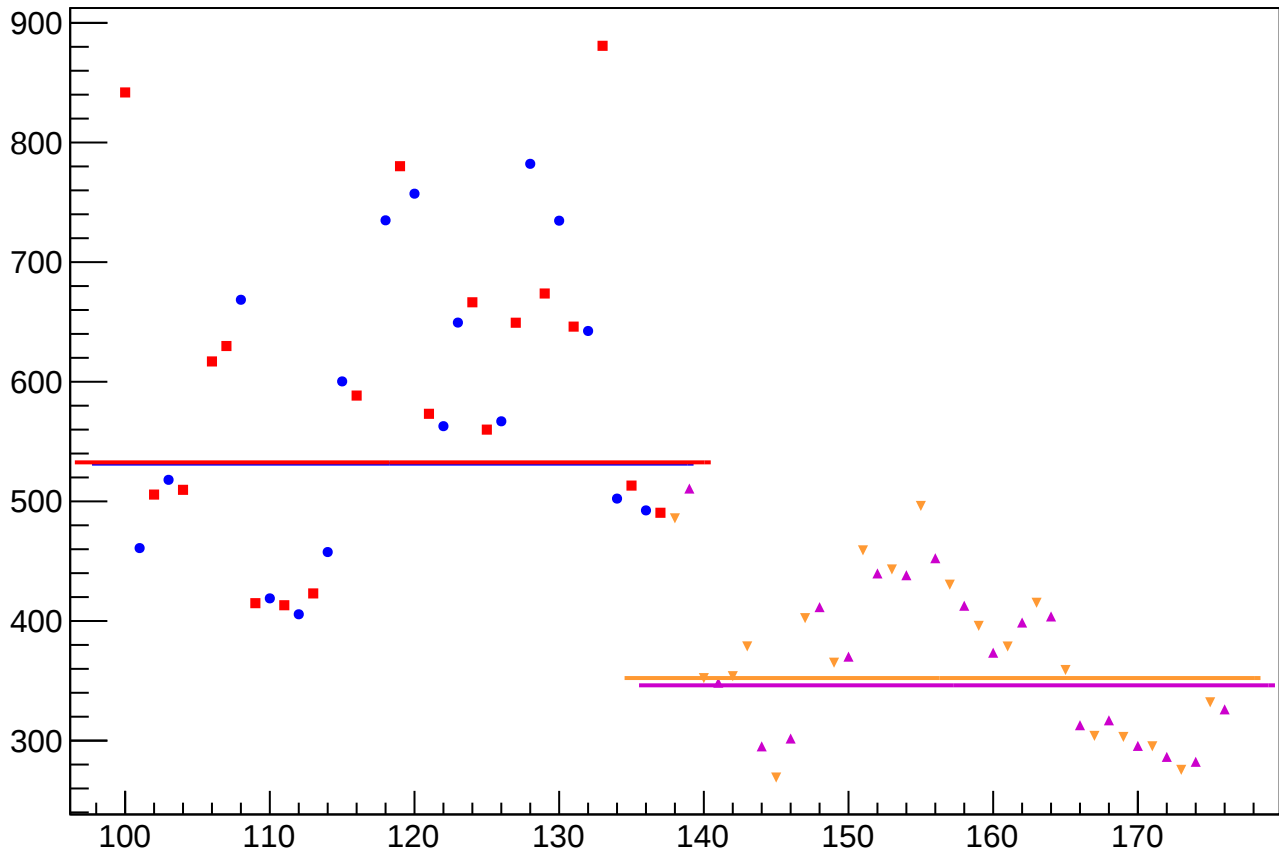
Right: -97.148 $\pm$ 147.331 χ^2 /NDF: 35.3/35

In: -24.570 $\pm$ 84.074 χ^2 /NDF:47.3/35

Out: 393.835 $\pm$ 84.285 χ^2 /NDF:77.1/38

All: 184.108 $\pm$ 59.524 χ^2 /NDF: 136.7/74

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 352.318+/-0.065 χ^2/NDF : 947682.7/19

Right Out: 532.620+/-0.145 χ^2/NDF : 615746.2/18

Left In: 346.226+/-0.065 χ^2/NDF : 841969.7/18

Left: 349.244+/-0.046 χ^2/NDF : 1794034.4/38

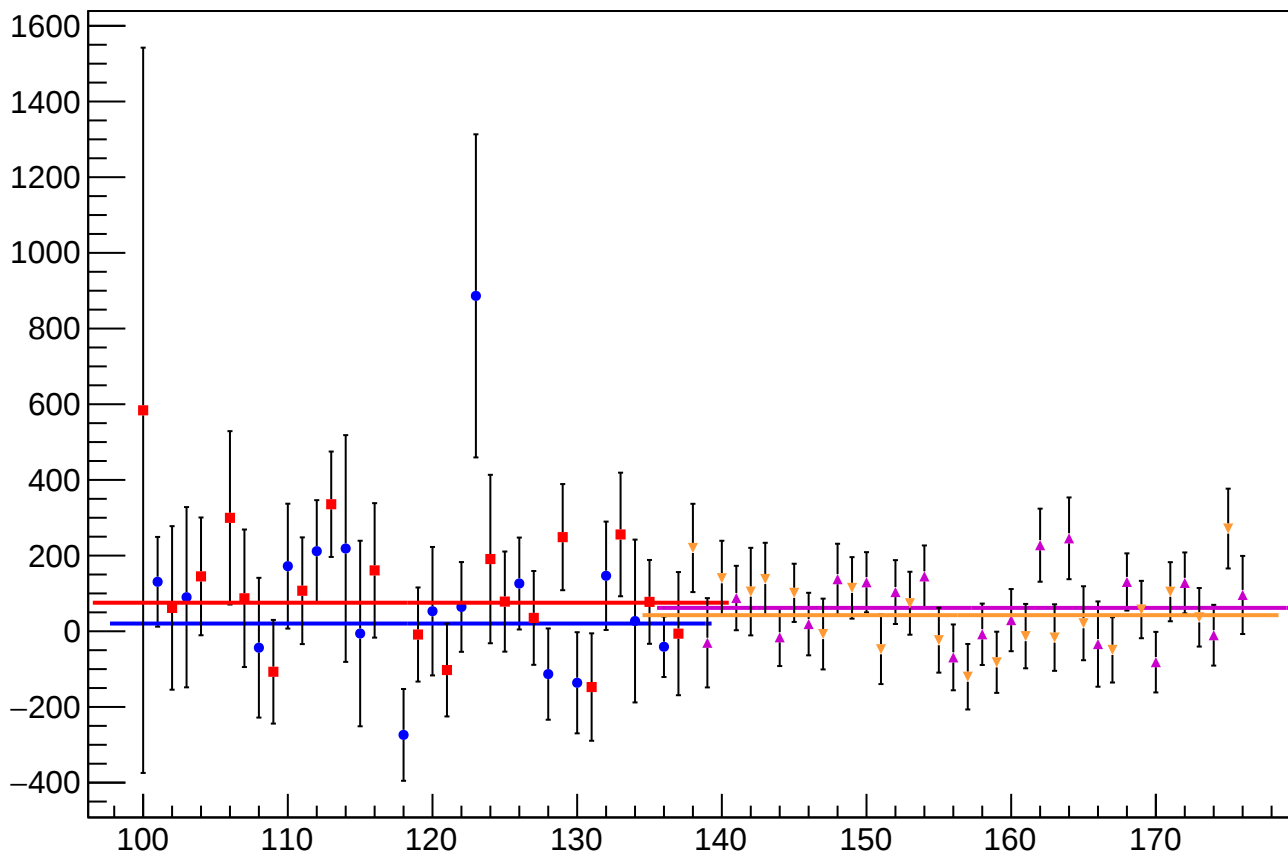
Right: 532.104+/-0.104 χ^2/NDF : 1165860.0/35

In: 375.466+/-0.059 χ^2/NDF : 2683441.3/35

Out: 382.736+/-0.060 χ^2/NDF : 2846996.2/38

All: 379.092+/-0.042 χ^2/NDF : 5537896.1/74

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: 42.565 $\pm$ 19.684 χ^2 /NDF:21.3/19

Right Out: 75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

Left In: 61.811 $\pm$ 19.881 χ^2 /NDF:20.0/18

Left: 52.092 $\pm$ 13.988 χ^2 /NDF: 41.8/38

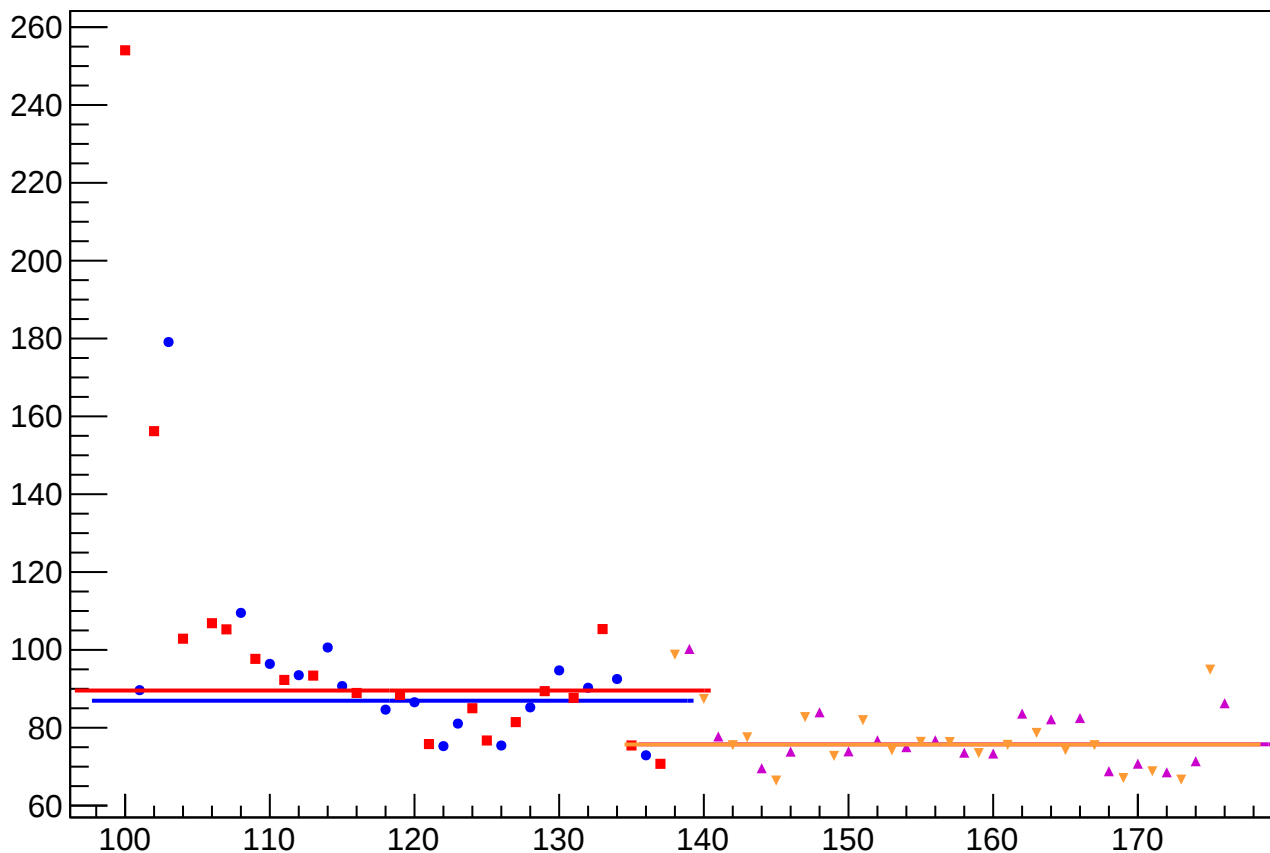
Right: 47.856 $\pm$ 24.495 χ^2 /NDF: 35.9/35

In: 51.535 $\pm$ 17.236 χ^2 /NDF:40.4/35

Out: 50.573 $\pm$ 17.121 χ^2 /NDF:37.4/38

All: 51.051 $\pm$ 12.147 χ^2 /NDF: 77.7/74

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: 75.702 $\pm$ 0.014 χ^2 /NDF: 299281.5/19

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

Left In: 75.744 $\pm$ 0.014 χ^2 /NDF: 216580.5/18

Left: 75.723 $\pm$ 0.010 χ^2 /NDF: 515866.6/38

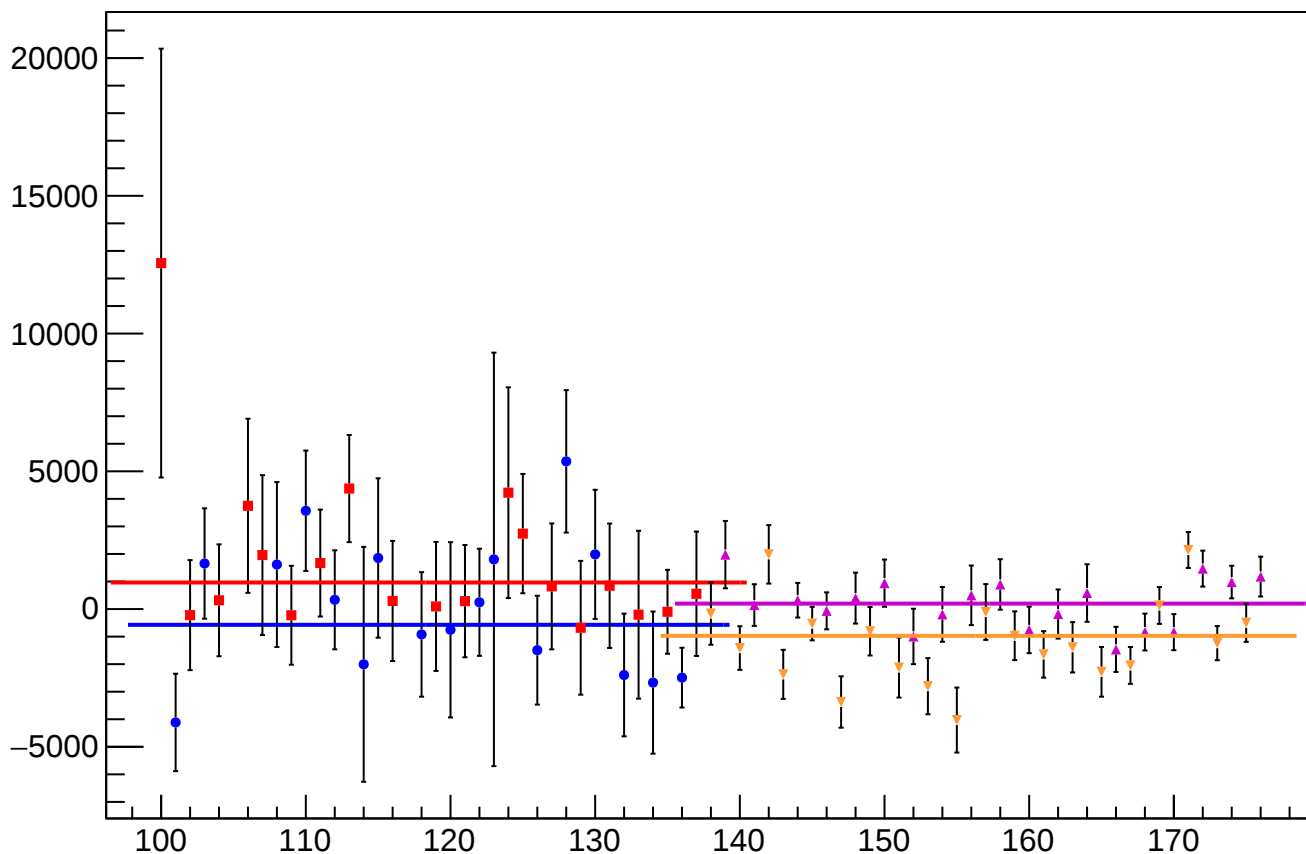
Right: 88.247 $\pm$ 0.017 χ^2 /NDF: 892752.0/35

In: 78.526 $\pm$ 0.012 χ^2 /NDF: 830002.4/35

Out: 79.076 $\pm$ 0.012 χ^2 /NDF: 971882.5/38

All: 78.803 $\pm$ 0.009 χ^2 /NDF: 1802911.3/74

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 $\pm$ 517.020 χ^2/NDF : 21.9/16

Left Out: -972.035 $\pm$ 183.256 χ^2/NDF : 61.7/19

Right Out: 963.846 $\pm$ 514.621 χ^2/NDF : 10.1/18

Left In: 198.089 $\pm$ 181.082 χ^2/NDF : 23.3/18

Left: -379.991 $\pm$ 128.806 χ^2/NDF : 105.6/38

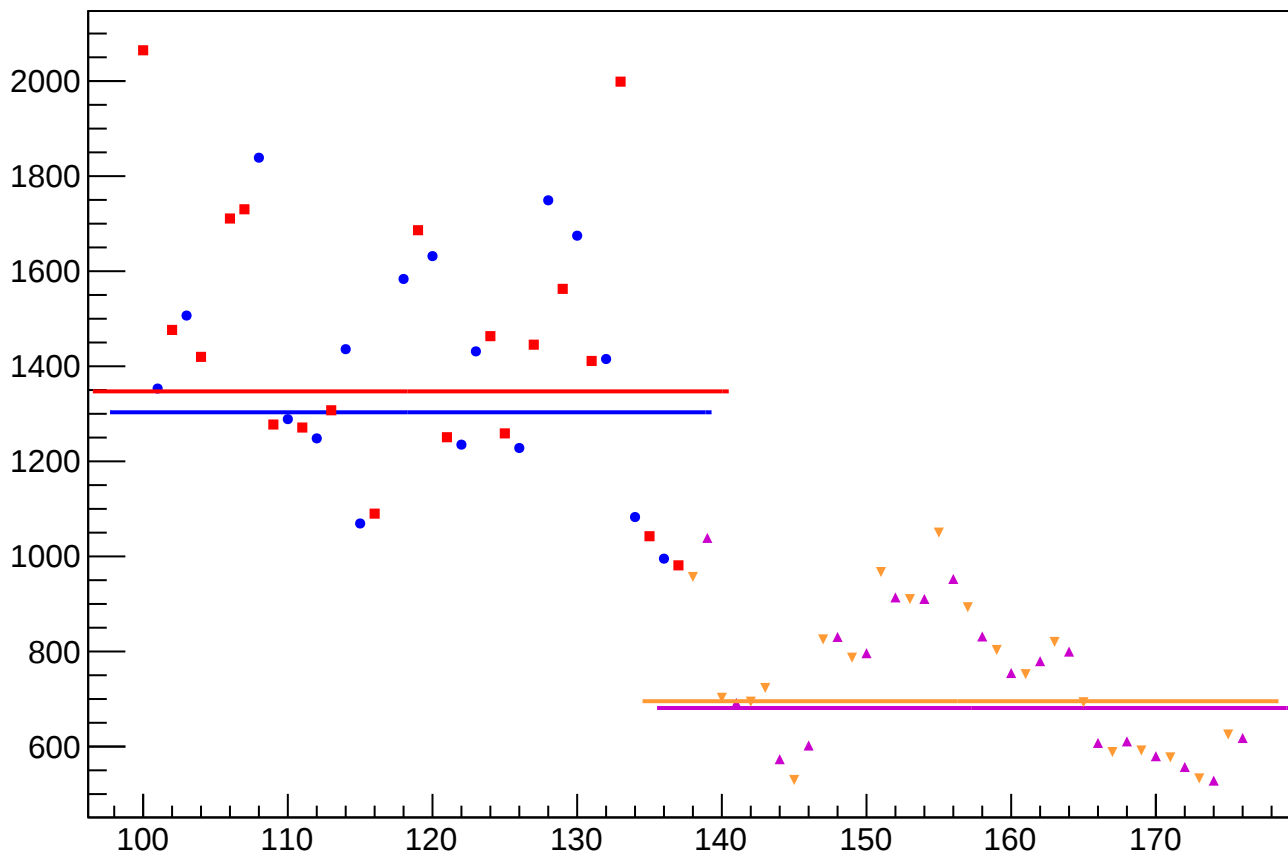
Right: 199.325 $\pm$ 364.737 χ^2/NDF : 36.4/35

In: 113.908 $\pm$ 170.903 χ^2/NDF : 47.1/35

Out: -754.179 $\pm$ 172.637 χ^2/NDF : 84.3/38

All: -315.754 $\pm$ 121.455 χ^2/NDF : 144.2/74

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 695.415+/-0.130 χ^2/NDF : 1186221.0/19

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

Left In: 681.095+/-0.128 χ^2/NDF : 1112634.3/18

Left: 688.170+/-0.091 χ^2/NDF : 2305034.4/38

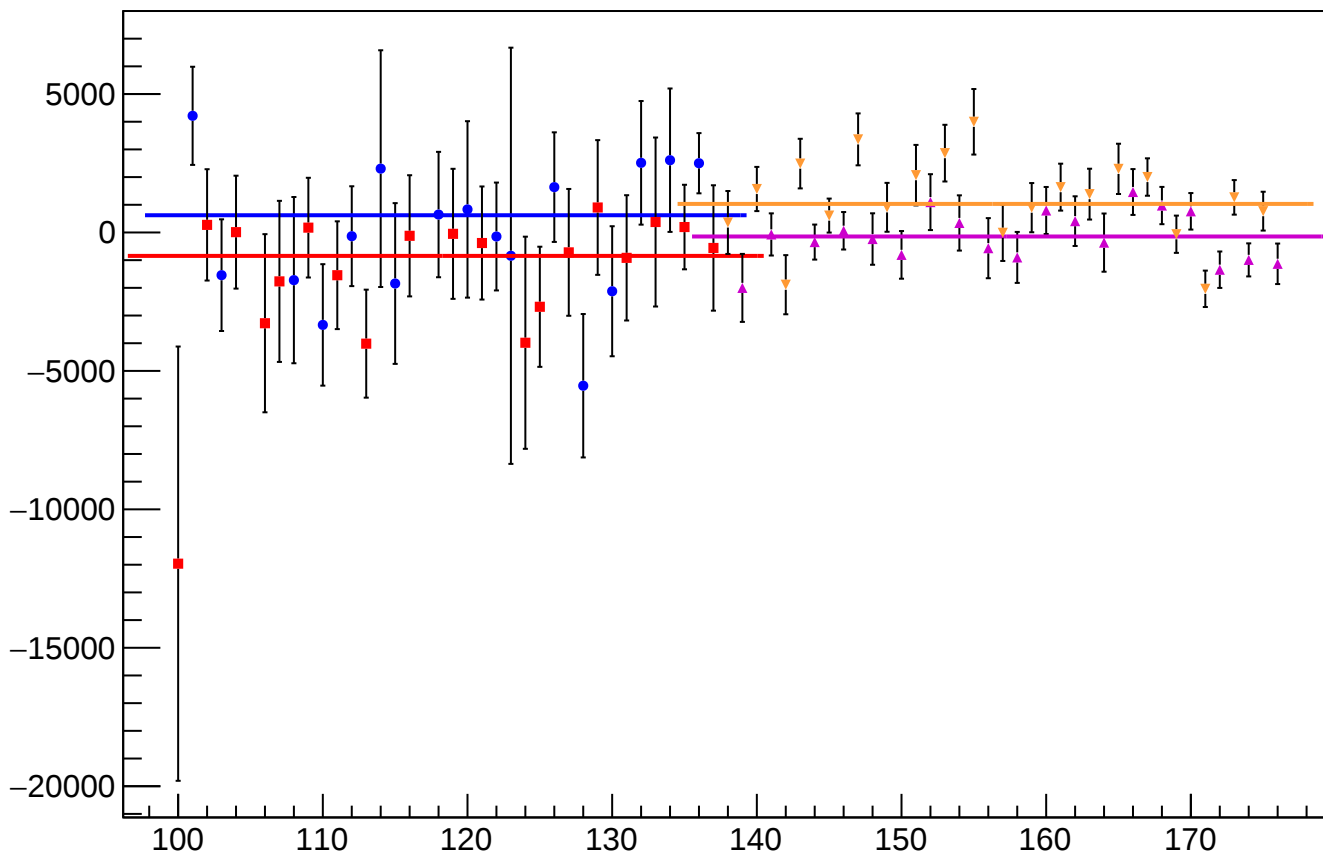
Right: 1325.291+/-0.258 χ^2/NDF : 880004.2/35

In: 749.070+/-0.121 χ^2/NDF : 4143834.5/35

Out: 768.762+/-0.122 χ^2/NDF : 4453967.8/38

All: 758.816+/-0.086 χ^2/NDF : 8610944.5/74

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1031.520 $\pm$ 184.474 χ^2 /NDF:58.4/19

Right Out: -846.021 $\pm$ 516.325 χ^2 /NDF: 9.1/18

Left In: -144.918 $\pm$ 182.344 χ^2 /NDF:22.9/18

Left: 436.473 $\pm$ 129.683 χ^2 /NDF: 101.9/38

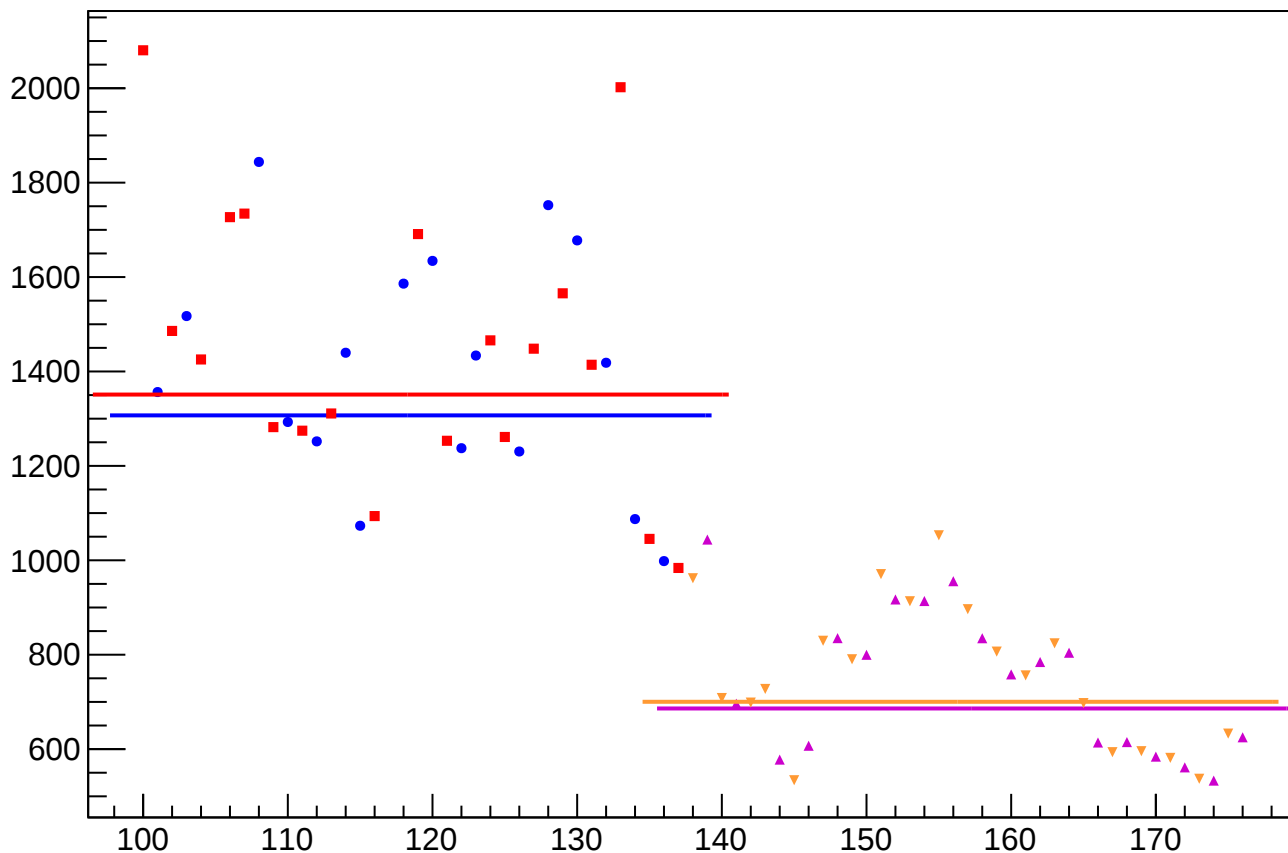
Right: -114.886 $\pm$ 365.862 χ^2 /NDF: 35.1/35

In: -60.461 $\pm$ 172.017 χ^2 /NDF:46.8/35

Out: 818.982 $\pm$ 173.719 χ^2 /NDF:79.2/38

All: 374.931 $\pm$ 122.232 χ^2 /NDF: 138.9/74

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 700.278+/-0.130 χ^2/NDF : 1166901.1/19

Right Out: 1351.096+/-0.365 χ^2/NDF : 421804.6/18

Left In: 686.089+/-0.129 χ^2/NDF : 1092837.0/18

Left: 693.101+/-0.092 χ^2/NDF : 2265723.0/38

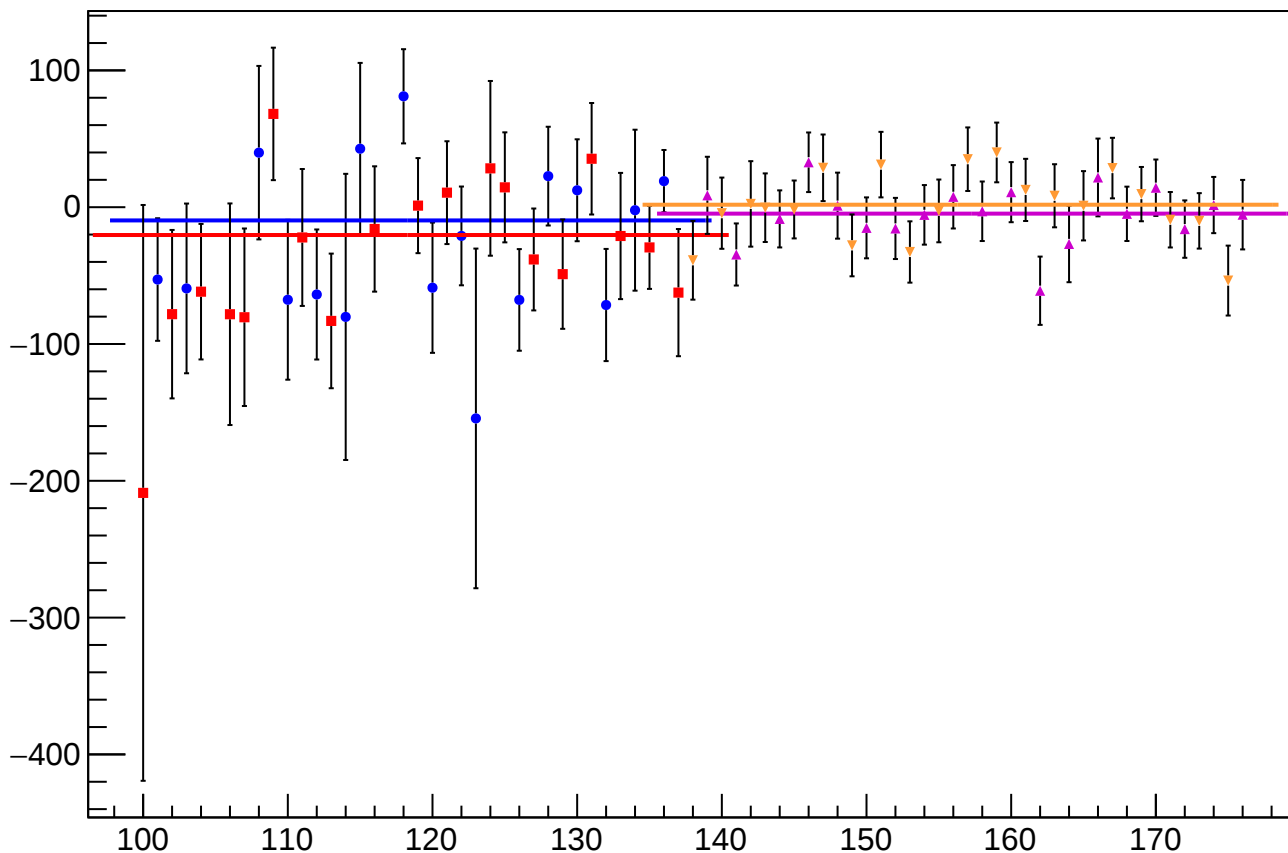
Right: 1329.131+/-0.259 χ^2/NDF : 880266.0/35

In: 754.428+/-0.122 χ^2/NDF : 4096311.4/35

Out: 773.951+/-0.123 χ^2/NDF : 4406627.2/38

All: 764.093+/-0.086 χ^2/NDF : 8515693.1/74

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: 1.816 ± 5.190 χ^2/NDF : 21.3/19

Right Out: -20.335 ± 10.444 χ^2/NDF : 14.7/18

Left In: -4.705 ± 5.220 χ^2/NDF : 14.1/18

Left: -1.426 ± 3.681 χ^2/NDF : 36.2/38

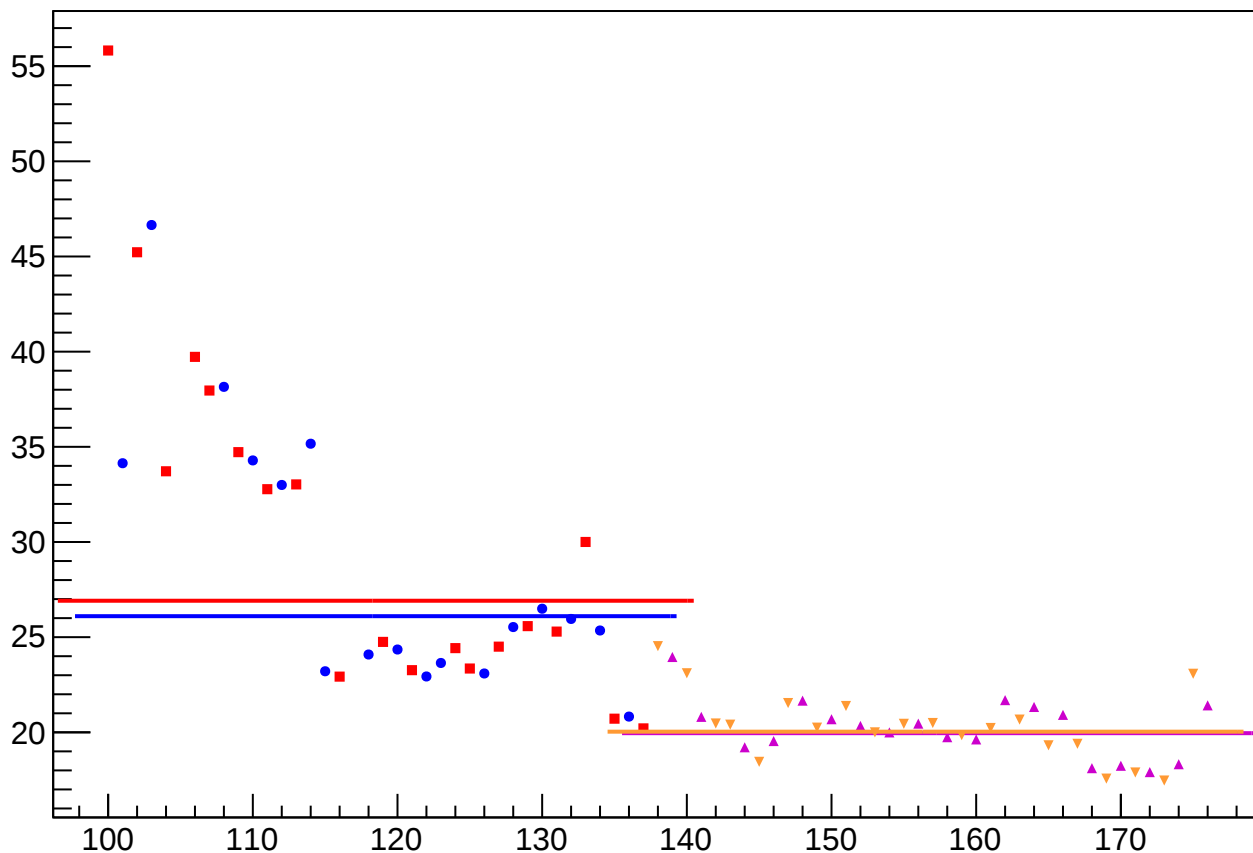
Right: -14.983 ± 7.372 χ^2/NDF : 37.7/35

In: -5.703 ± 4.666 χ^2/NDF : 36.8/35

Out: -2.572 ± 4.648 χ^2/NDF : 39.6/38

All: -4.131 ± 3.293 χ^2/NDF : 76.7/74

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.035 $\pm$ 0.004 χ^2 /NDF: 222896.9/19

Right Out: 26.914 $\pm$ 0.007 χ^2 /NDF: 678970.2/18

Left In: 19.956 $\pm$ 0.004 χ^2 /NDF: 146789.2/18

Left: 19.996 $\pm$ 0.003 χ^2 /NDF: 369916.4/38

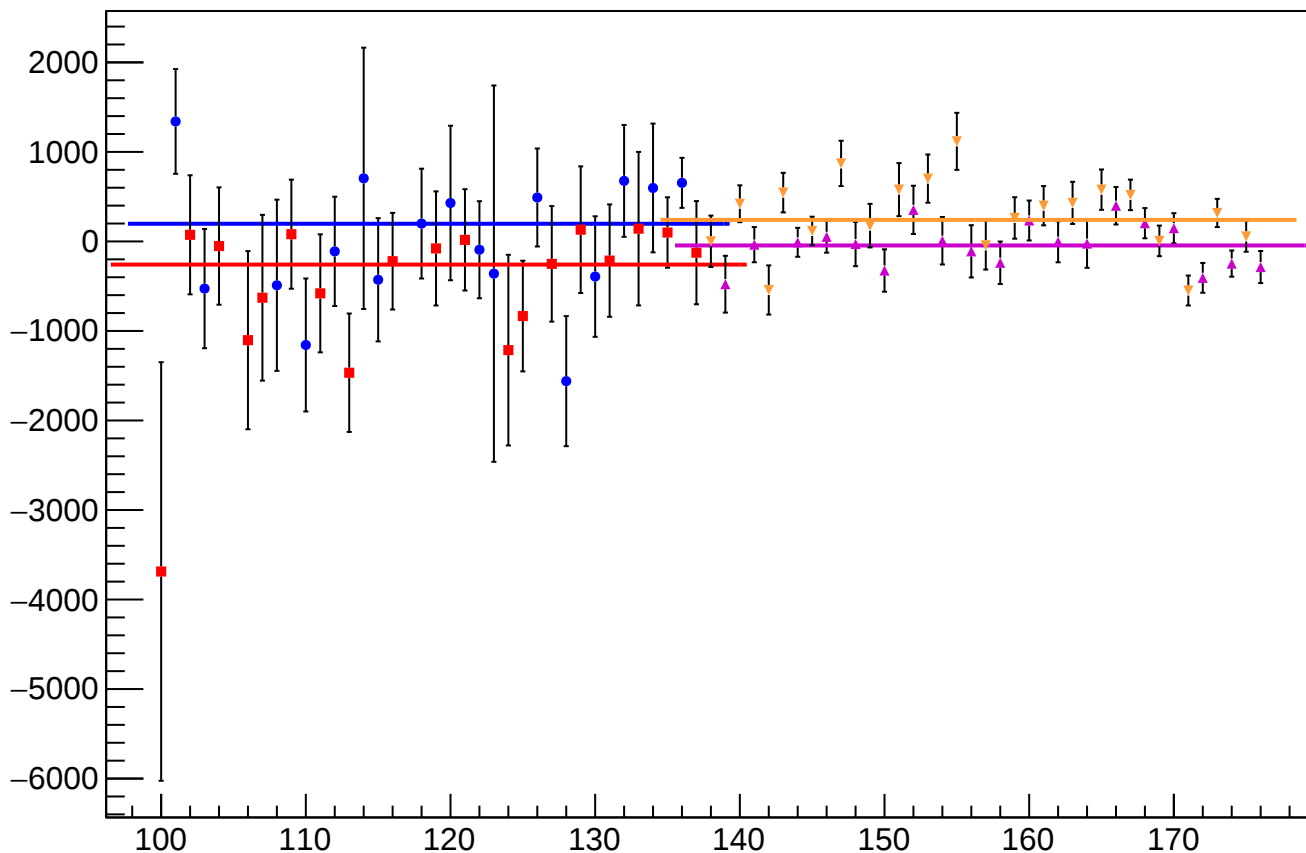
Right: 26.507 $\pm$ 0.005 χ^2 /NDF: 1289062.8/35

In: 21.192 $\pm$ 0.003 χ^2 /NDF: 1308164.4/35

Out: 21.398 $\pm$ 0.003 χ^2 /NDF: 1597645.7/38

All: 21.295 $\pm$ 0.002 χ^2 /NDF: 2907768.4/74

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: 240.664 $\pm$ 47.344 χ^2 /NDF:63.0/19

Right Out: -258.537 $\pm$ 149.867 χ^2 /NDF: 10.7/18

Left In: -44.985 $\pm$ 46.732 χ^2 /NDF:24.6/18

Left: 95.978 $\pm$ 33.259 χ^2 /NDF: 106.0/38

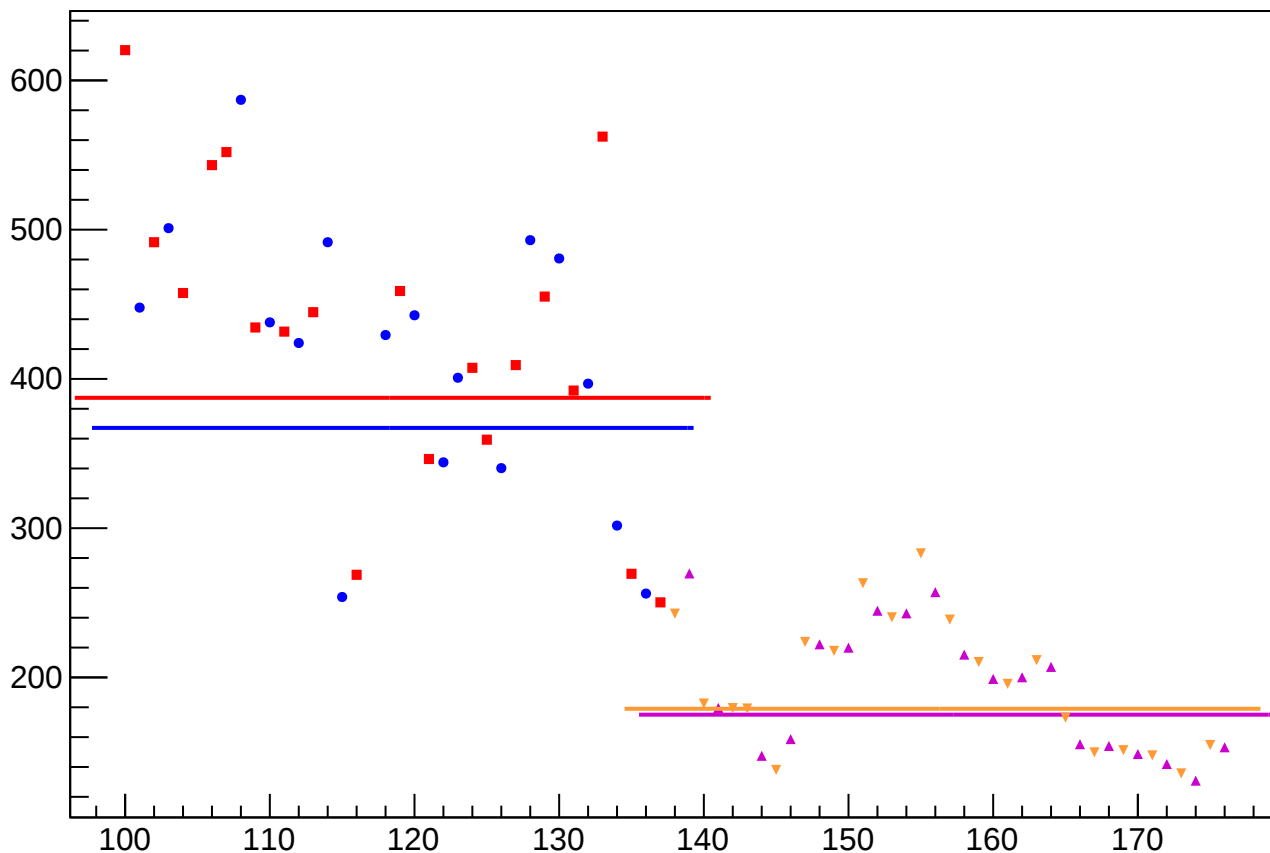
Right: -27.568 $\pm$ 105.264 χ^2 /NDF: 36.3/35

In: -22.986 $\pm$ 44.560 χ^2 /NDF:48.0/35

Out: 195.365 $\pm$ 45.145 χ^2 /NDF:83.7/38

All: 84.764 $\pm$ 31.713 χ^2 /NDF: 143.6/74

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 179.010 $\pm$ 0.033 χ^2 /NDF:1381251.4/19

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

Left In: 175.046 $\pm$ 0.033 χ^2 /NDF:1342999.6/18

Left: 177.002 $\pm$ 0.024 χ^2 /NDF: 2731352.0/38

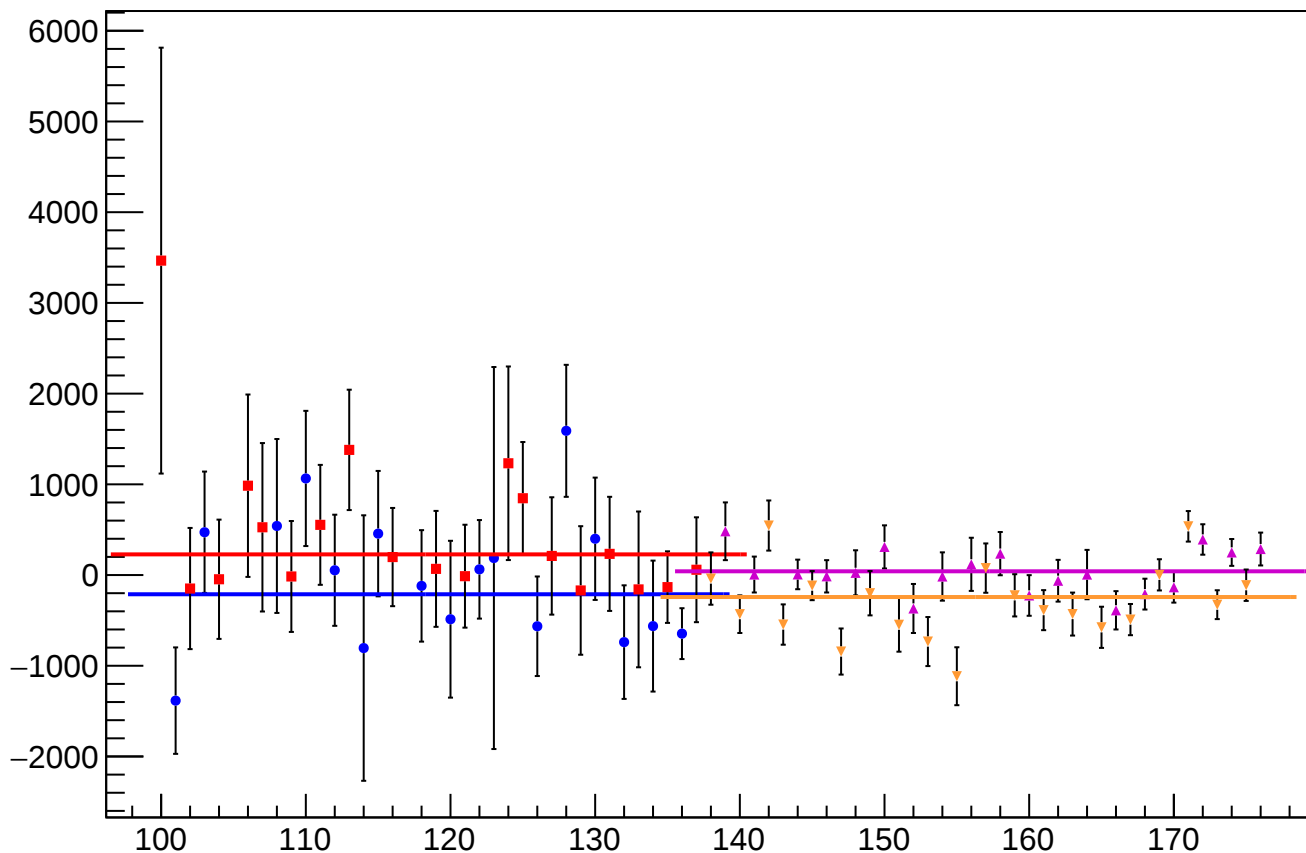
Right: 377.128 $\pm$ 0.074 χ^2 /NDF: 1620053.1/35

In: 192.490 $\pm$ 0.032 χ^2 /NDF:5239624.7/35

Out: 197.915 $\pm$ 0.032 χ^2 /NDF:5669998.0/38

All: 195.167 $\pm$ 0.022 χ^2 /NDF: 10924248.8/74

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -242.337+/-47.671 χ^2/NDF : 60.4/19

Right Out: 227.831+/-150.317 χ^2/NDF : 10.1/18

Left In: 41.246+/-47.068 χ^2/NDF : 23.7/18

Left: -98.741+/-33.493 χ^2/NDF : 102.0/38

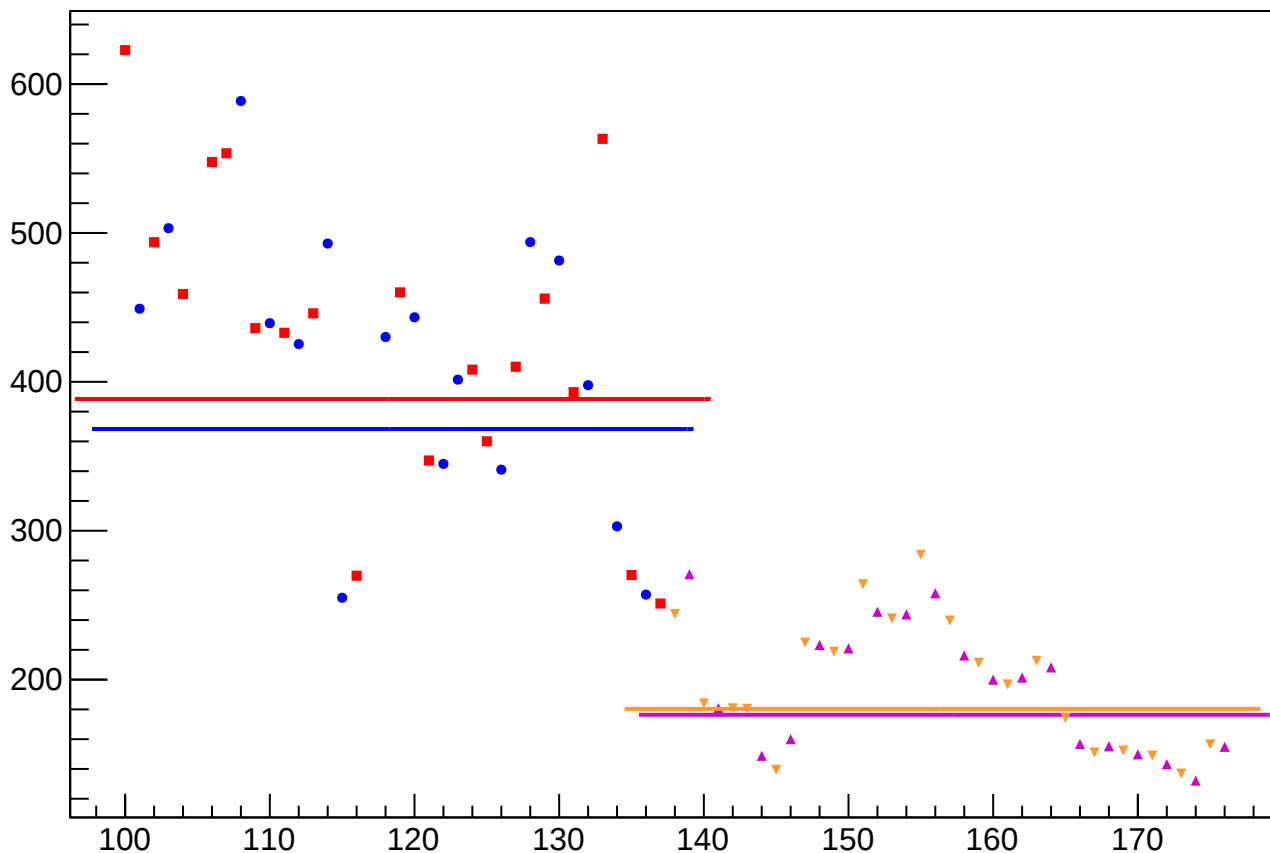
Right: 5.040+/-105.575 χ^2/NDF : 35.4/35

In: 18.088+/-44.863 χ^2/NDF : 47.4/35

Out: -199.371+/-45.441 χ^2/NDF : 79.3/38

All: -89.251+/-31.925 χ^2/NDF : 138.3/74

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 180.324 $\pm$ 0.034 χ^2 /NDF: 1358217.9/19

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

Left In: 176.387 $\pm$ 0.033 χ^2 /NDF: 1318715.0/18

Left: 178.331 $\pm$ 0.024 χ^2 /NDF: 2683839.5/38

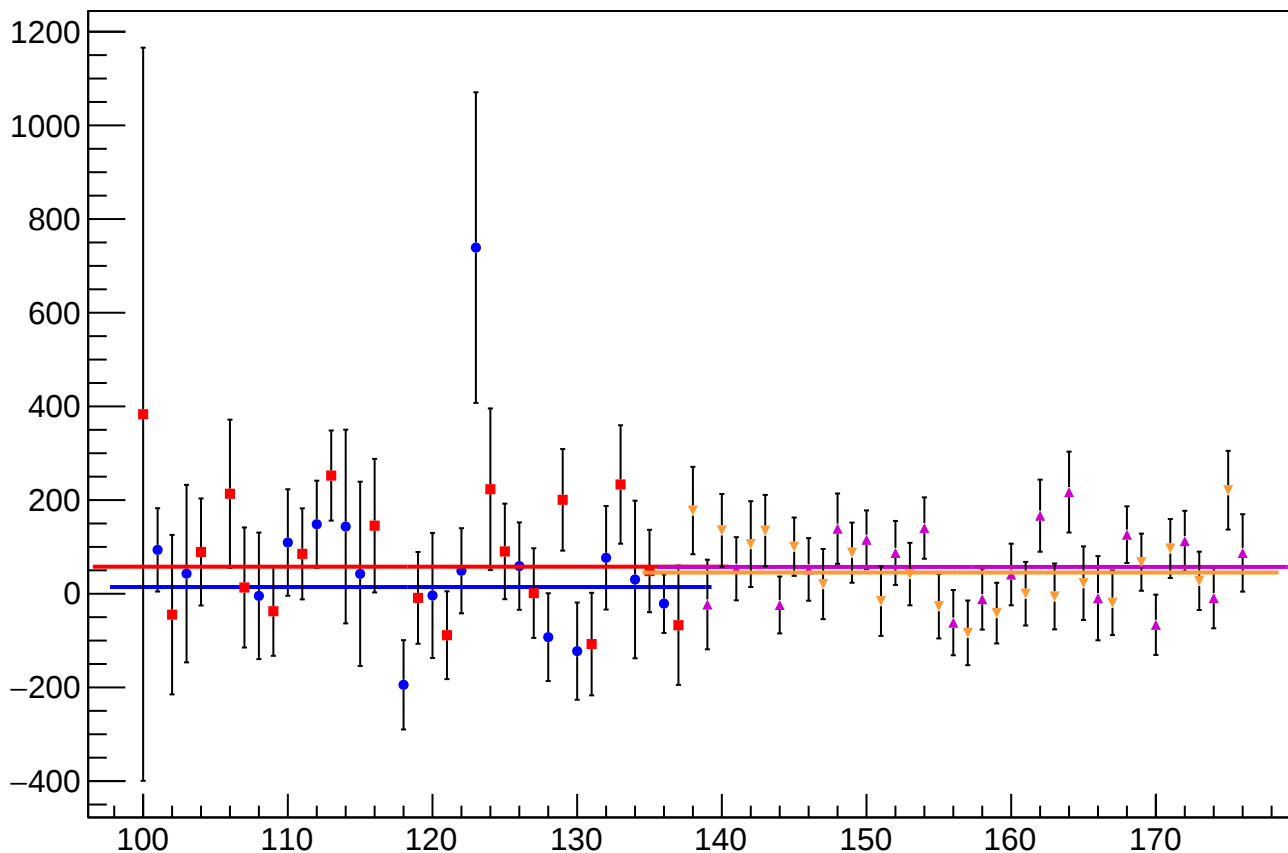
Right: 378.252 $\pm$ 0.075 χ^2 /NDF: 1617584.5/35

In: 193.947 $\pm$ 0.032 χ^2 /NDF: 5185585.0/35

Out: 199.346 $\pm$ 0.032 χ^2 /NDF: 5617440.4/38

All: 196.612 $\pm$ 0.023 χ^2 /NDF: 10817323.1/74

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: 45.301 $\pm$ 15.757 χ^2 /NDF:20.7/19

Right Out: 57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

Left In: 57.271 $\pm$ 15.927 χ^2 /NDF:23.3/18

Left: 51.221 $\pm$ 11.201 χ^2 /NDF: 44.3/38

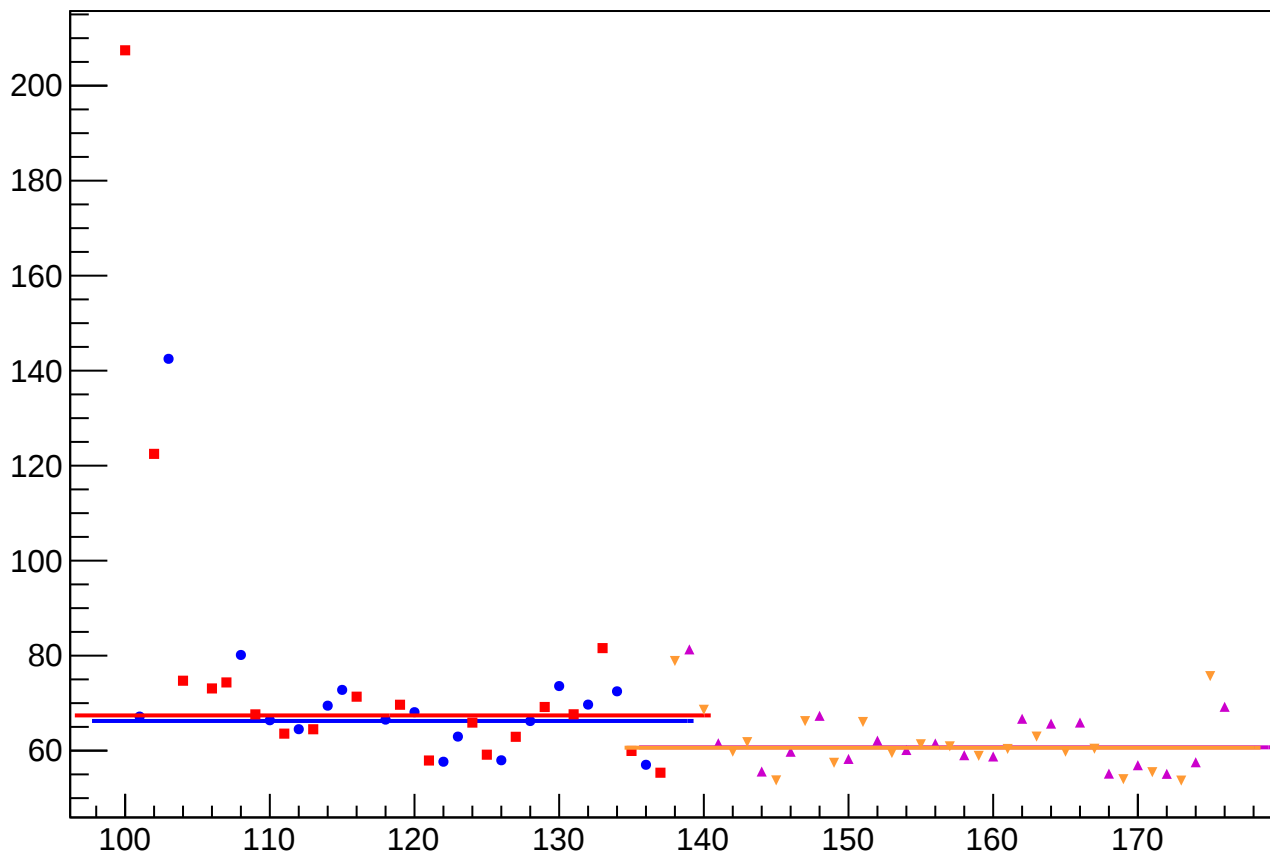
Right: 36.266 $\pm$ 18.545 χ^2 /NDF: 37.5/35

In: 45.784 $\pm$ 13.628 χ^2 /NDF:42.9/35

Out: 48.634 $\pm$ 13.492 χ^2 /NDF:39.3/38

All: 47.224 $\pm$ 9.588 χ^2 /NDF: 82.3/74

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: 60.619 $\pm$ 0.011 χ^2 /NDF: 280230.0/19

Right Out: 67.415 $\pm$ 0.018 χ^2 /NDF: 393608.5/18

Left In: 60.698 $\pm$ 0.011 χ^2 /NDF: 220673.9/18

Left: 60.658 $\pm$ 0.008 χ^2 /NDF: 500928.6/38

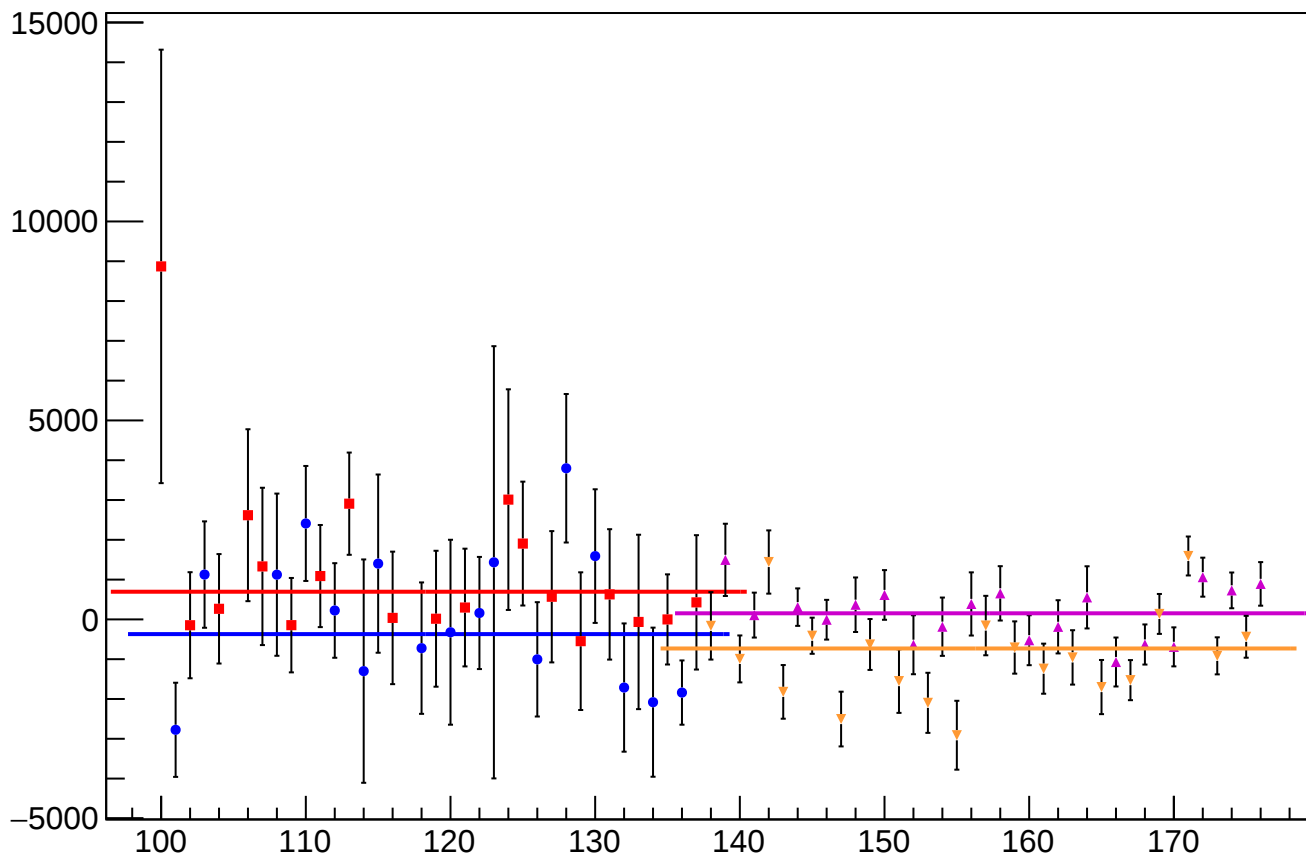
Right: 66.836 $\pm$ 0.013 χ^2 /NDF: 836536.0/35

In: 62.184 $\pm$ 0.010 χ^2 /NDF: 726647.9/35

Out: 62.432 $\pm$ 0.010 χ^2 /NDF: 773101.9/38

All: 62.309 $\pm$ 0.007 χ^2 /NDF: 1500084.9/74

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -730.831+/-136.873 χ^2/NDF : 60.5/19

Right Out: 695.425+/-361.887 χ^2/NDF : 9.9/18

Left In: 153.282+/-135.348 χ^2/NDF : 22.9/18

Left: -283.822+/-96.240 χ^2/NDF : 104.5/38

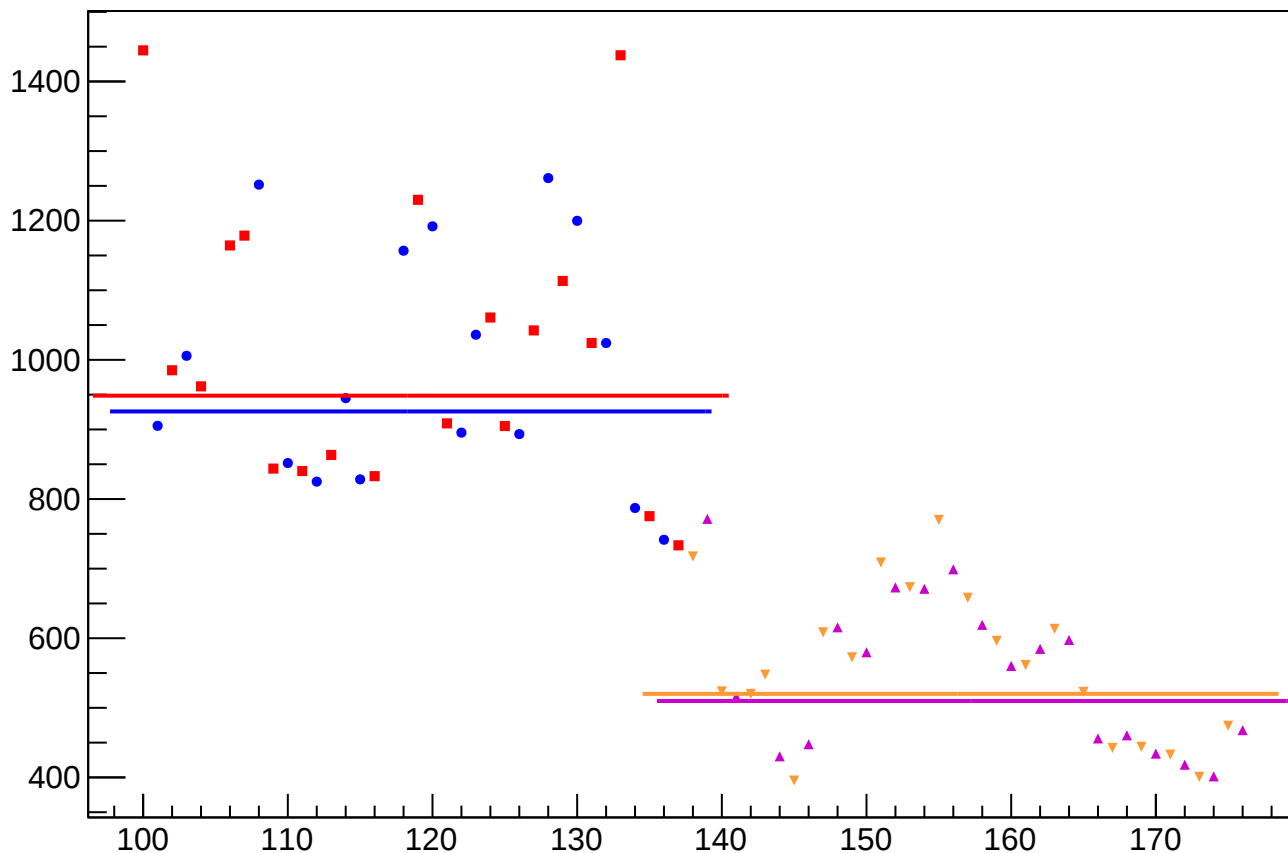
Right: 169.586+/-257.485 χ^2/NDF : 36.5/35

In: 90.516+/-126.963 χ^2/NDF : 47.0/35

Out: -552.339+/-128.022 χ^2/NDF : 84.0/38

All: -228.244+/-90.149 χ^2/NDF : 143.8/74

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 520.079 $\pm$ 0.097 χ^2 /NDF: 1115394.7/19

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

Left In: 509.830 $\pm$ 0.096 χ^2 /NDF: 1029256.7/18

Left: 514.897 $\pm$ 0.068 χ^2 /NDF: 2150321.1/38

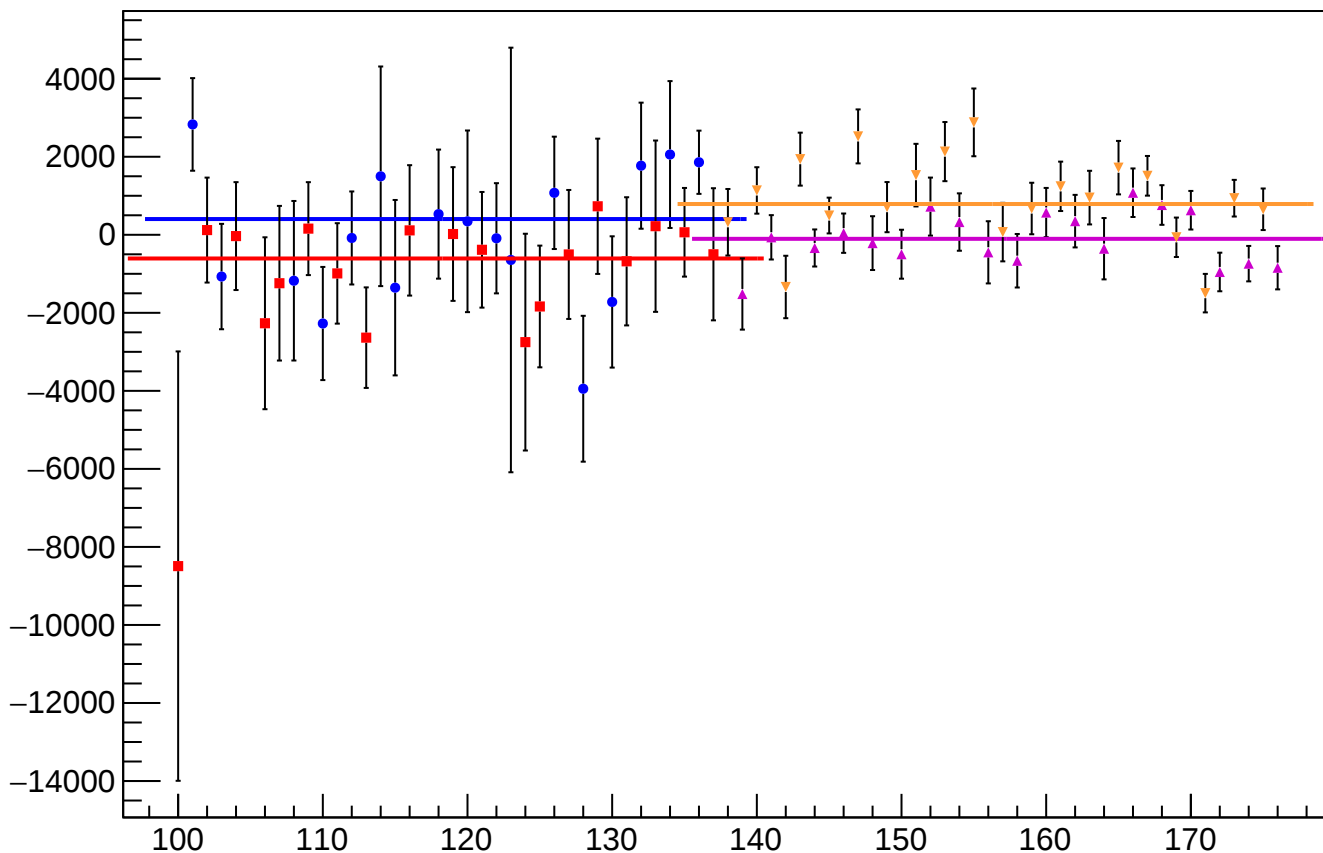
Right: 937.360 $\pm$ 0.182 χ^2 /NDF: 776890.8/35

In: 559.779 $\pm$ 0.090 χ^2 /NDF: 3689157.2/35

Out: 573.701 $\pm$ 0.091 χ^2 /NDF: 3950148.4/38

All: 566.682 $\pm$ 0.064 χ^2 /NDF: 7651231.2/74

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591 ± 367.686 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 788.758 ± 137.906 $\chi^2/\text{NDF}: 56.9/19$

Right Out: -607.276 ± 363.327 $\chi^2/\text{NDF}: 8.8/18$

Left In: -103.595 ± 136.417 $\chi^2/\text{NDF}: 22.7/18$

Left: 337.736 ± 96.984 $\chi^2/\text{NDF}: 100.8/38$

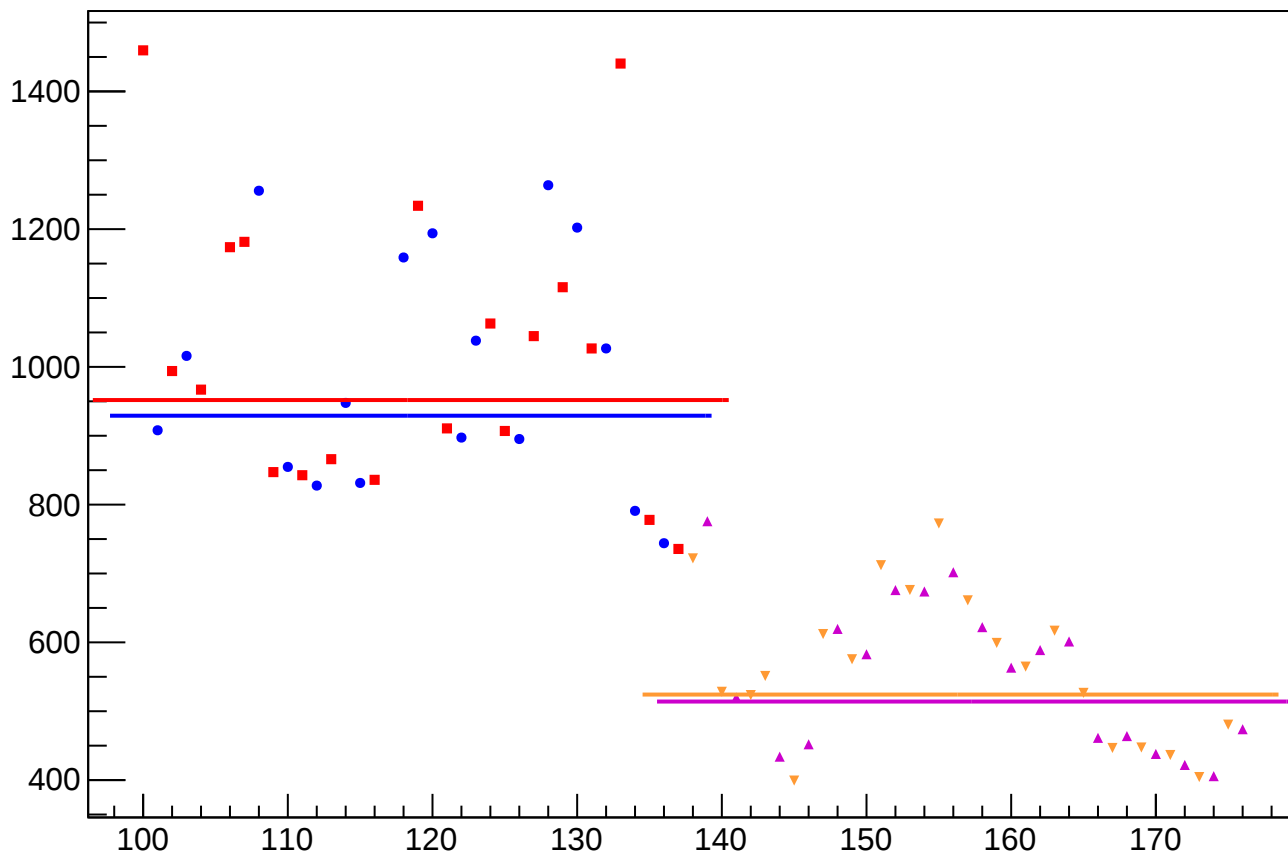
Right: -107.869 ± 258.438 $\chi^2/\text{NDF}: 35.1/35$

In: -42.227 ± 127.898 $\chi^2/\text{NDF}: 46.8/35$

Out: 612.959 ± 128.931 $\chi^2/\text{NDF}: 78.6/38$

All: 282.730 ± 90.801 $\chi^2/\text{NDF}: 138.4/74$

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 524.202+/-0.098 χ^2/NDF : 1094440.6/19

Right Out: 951.847+/-0.257 χ^2/NDF : 382219.3/18

Left In: 514.051+/-0.096 χ^2/NDF : 1008558.1/18

Left: 519.071+/-0.069 χ^2/NDF : 2108475.8/38

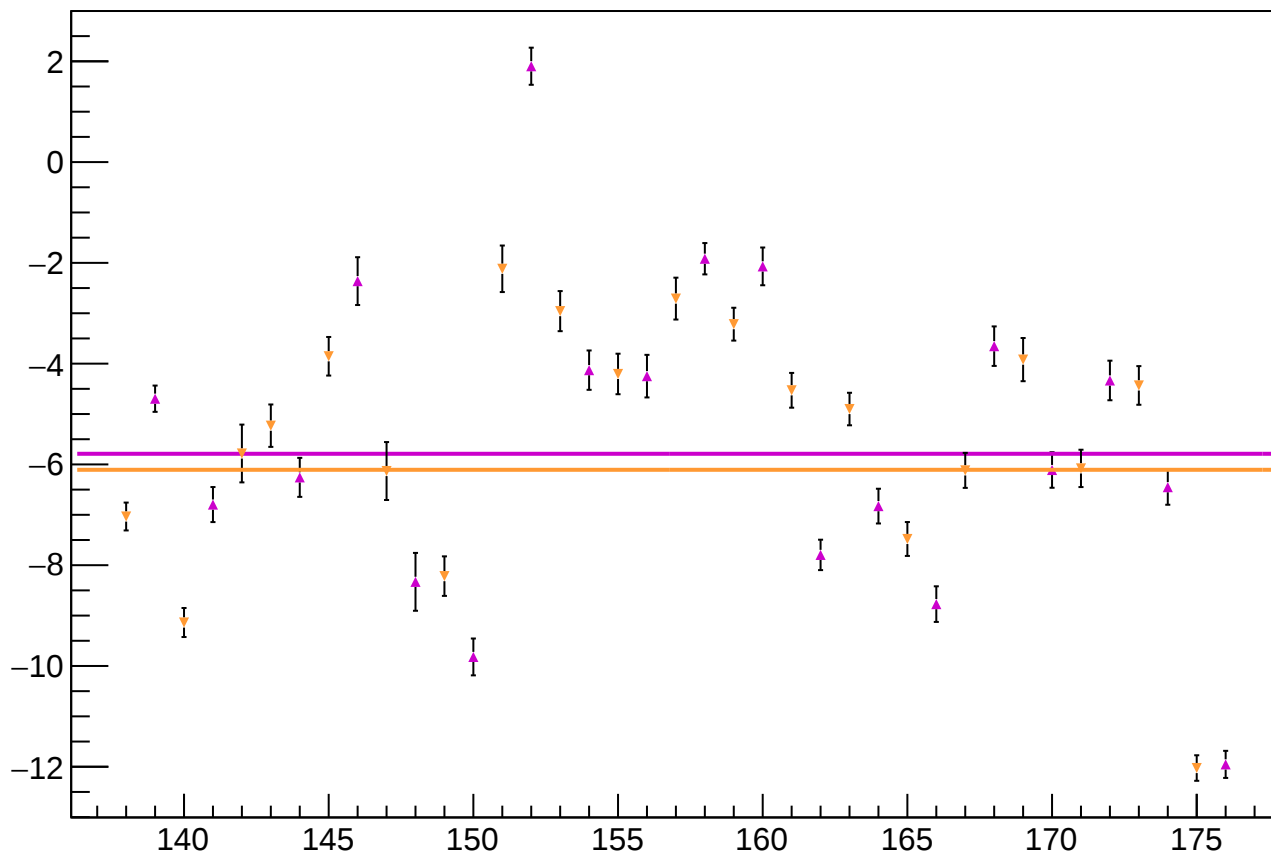
Right: 940.607+/-0.183 χ^2/NDF : 776385.5/35

In: 564.270+/-0.090 χ^2/NDF : 3638905.7/35

Out: 578.054+/-0.091 χ^2/NDF : 3898511.5/38

All: 571.107+/-0.064 χ^2/NDF : 7548939.3/74

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.107 $\pm$ 0.081 χ^2/NDF :1137.6/19

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

Left In: -5.789 $\pm$ 0.081 χ^2/NDF :1640.0/18

Left: -5.948 $\pm$ 0.057 χ^2/NDF : 2785.2/38

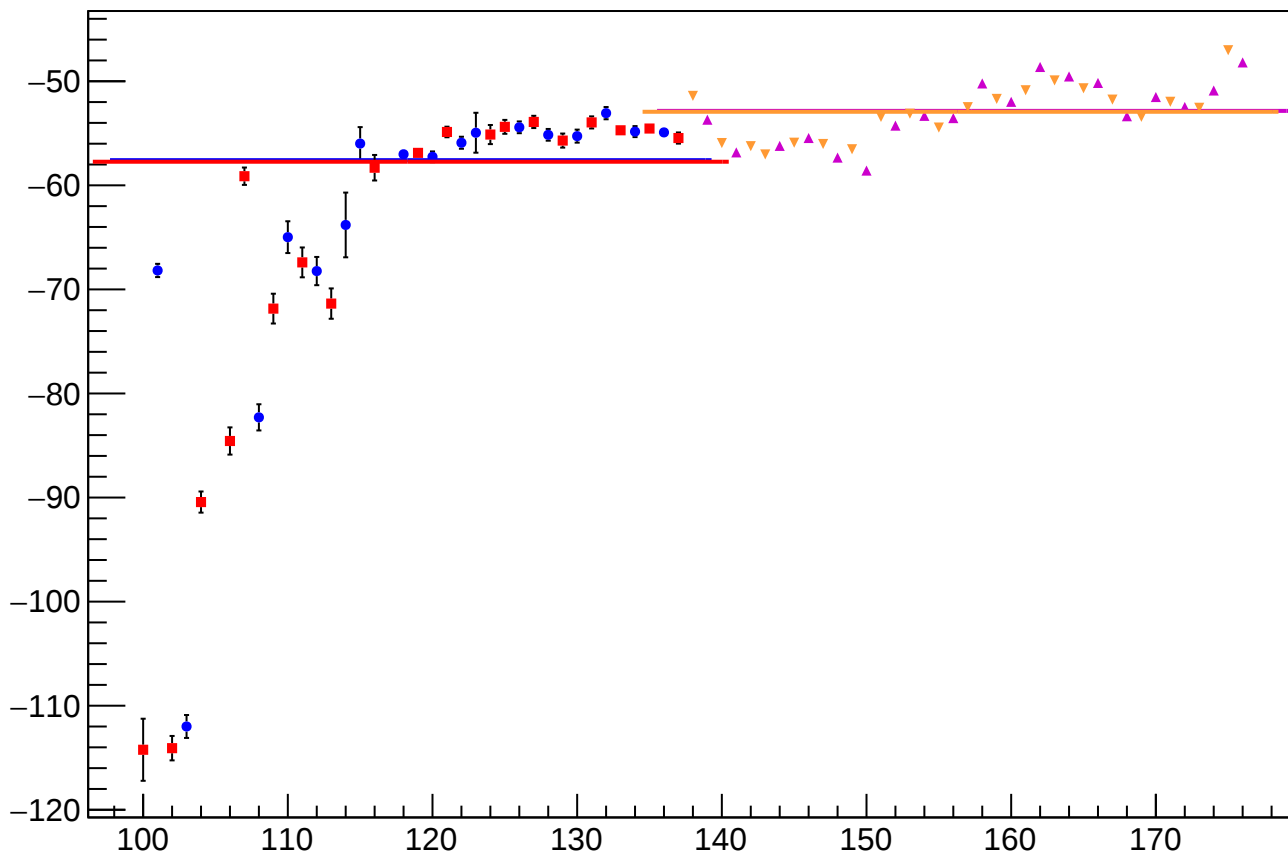
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -5.789 $\pm$ 0.081 χ^2/NDF :1640.0/18

Out: -6.107 $\pm$ 0.081 χ^2/NDF :1137.6/19

All: -5.948 $\pm$ 0.057 χ^2/NDF : 2785.2/38

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -52.932 ± 0.062 χ^2/NDF : 1818.4/19

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

Left In: -52.847 ± 0.064 χ^2/NDF : 2351.6/18

Left: -52.891 ± 0.044 χ^2/NDF : 4170.8/38

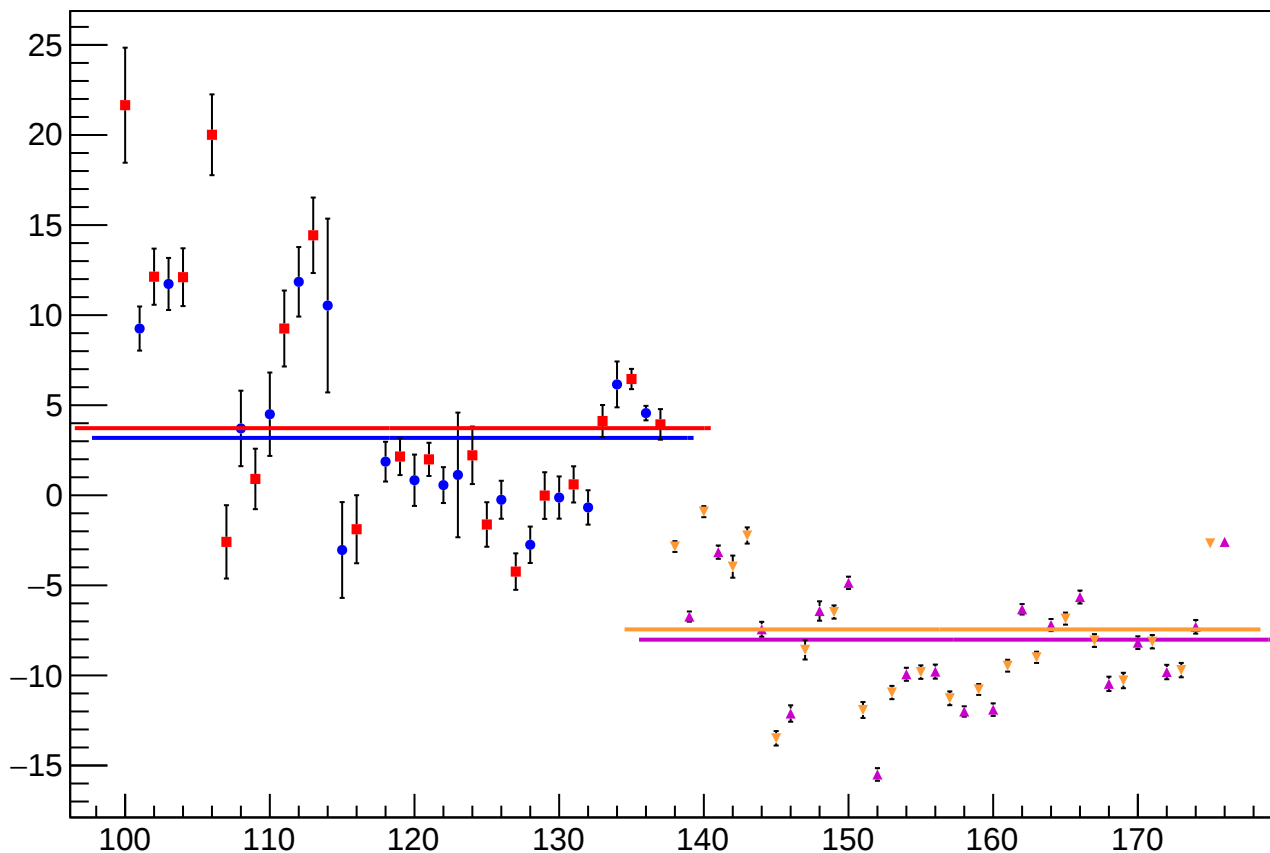
Right: -57.657 ± 0.101 χ^2/NDF : 8154.5/35

In: -53.630 ± 0.058 χ^2/NDF : 6721.0/35

Out: -53.691 ± 0.057 χ^2/NDF : 7465.8/38

All: -53.661 ± 0.041 χ^2/NDF : 14187.4/74

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: -7.446 ± 0.080 $\chi^2/\text{NDF}: 2050.0/19$

Right Out: 3.726 ± 0.268 $\chi^2/\text{NDF}: 324.1/18$

Left In: -8.015 ± 0.080 $\chi^2/\text{NDF}: 1747.3/18$

Left: -7.731 ± 0.057 $\chi^2/\text{NDF}: 3822.3/38$

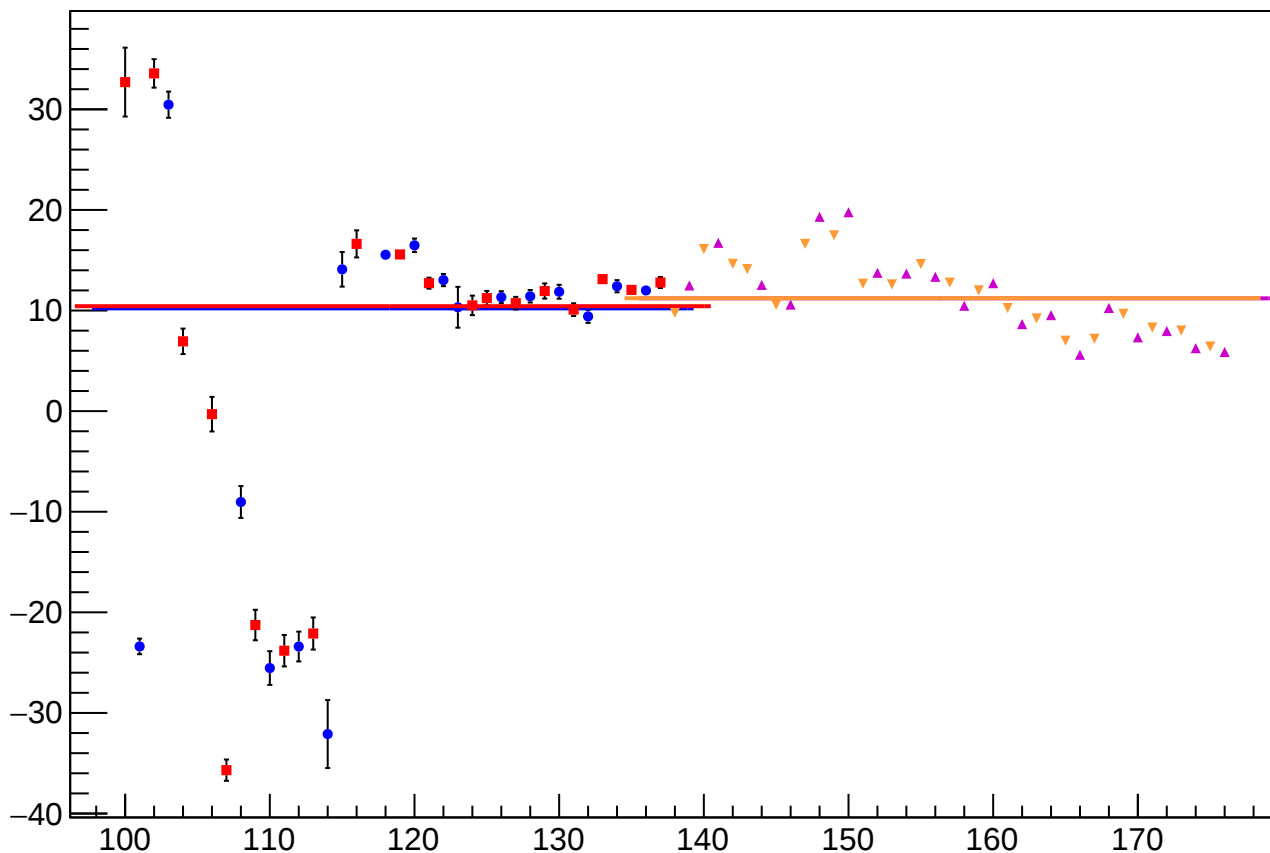
Right: 3.447 ± 0.186 $\chi^2/\text{NDF}: 512.0/35$

In: -7.033 ± 0.077 $\chi^2/\text{NDF}: 3639.1/35$

Out: -6.521 ± 0.077 $\chi^2/\text{NDF}: 3973.5/38$

All: -6.778 ± 0.054 $\chi^2/\text{NDF}: 7634.8/74$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215+/-0.158 χ^2 /NDF: 3692.6/16

Left Out: 11.224+/-0.070 χ^2 /NDF:2196.8/19

Right Out: 10.430+/-0.160 χ^2 /NDF: 3826.9/18

Left In: 11.212+/-0.071 χ^2 /NDF:3173.6/18

Left: 11.218+/-0.050 χ^2 /NDF: 5370.4/38

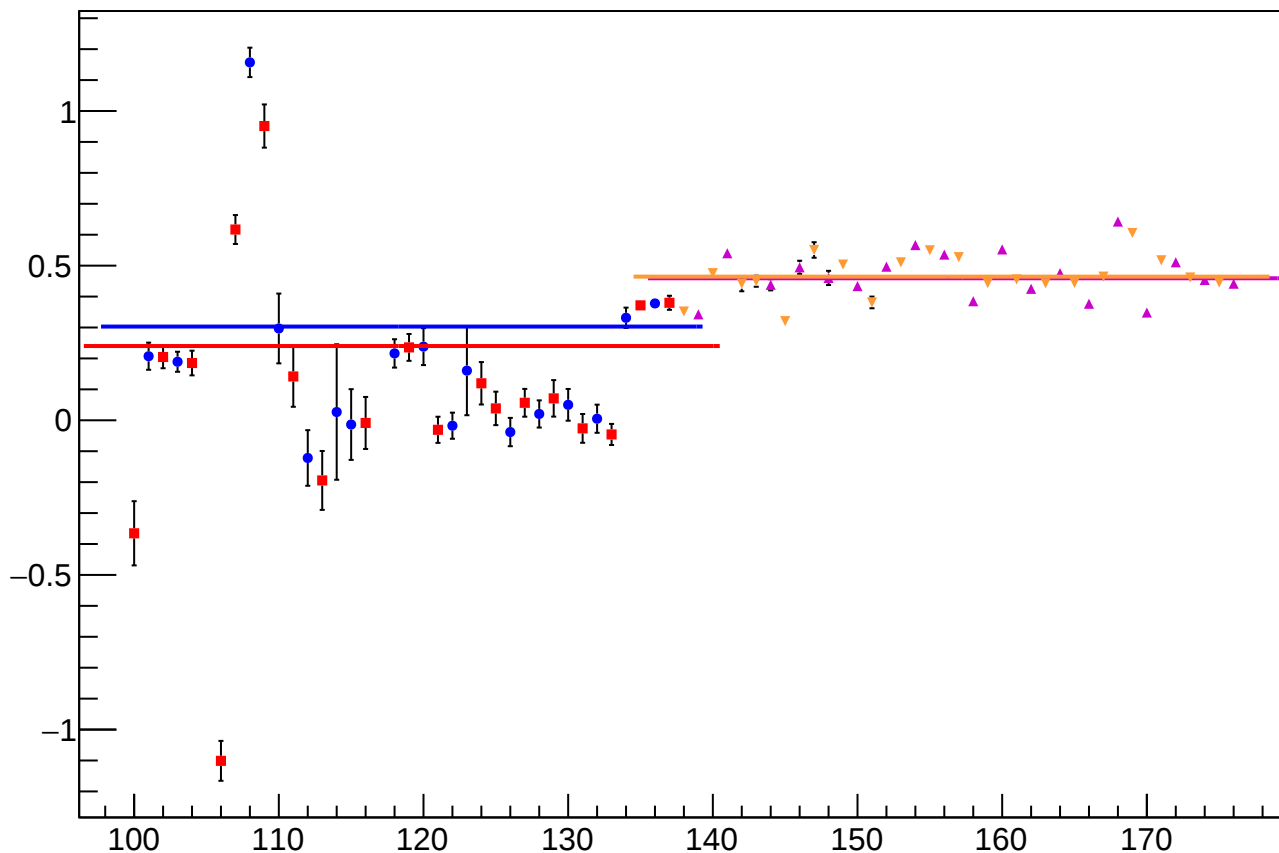
Right: 10.321+/-0.112 χ^2 /NDF: 7520.5/35

In: 11.044+/-0.065 χ^2 /NDF:6899.3/35

Out: 11.097+/-0.064 χ^2 /NDF:6044.4/38

All: 11.071+/-0.046 χ^2 /NDF: 12944.1/74

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.465 ± 0.003 χ^2/NDF : 404.3/19

Right Out: 0.240 ± 0.009 χ^2/NDF : 984.4/18

Left In: 0.459 ± 0.003 χ^2/NDF : 671.0/18

Left: 0.462 ± 0.002 χ^2/NDF : 1076.8/38

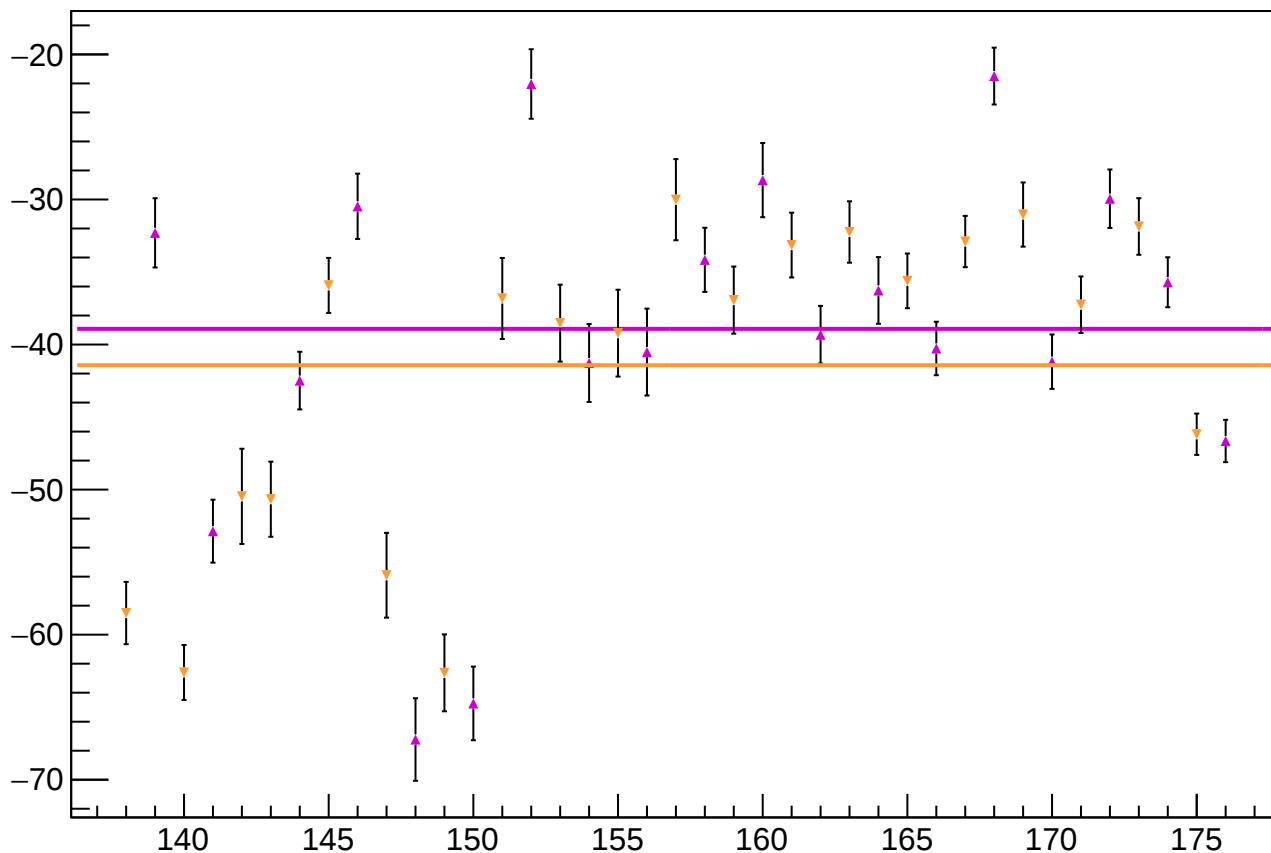
Right: 0.273 ± 0.006 χ^2/NDF : 1658.9/35

In: 0.440 ± 0.003 χ^2/NDF : 1633.4/35

Out: 0.438 ± 0.003 χ^2/NDF : 1998.2/38

All: 0.439 ± 0.002 χ^2/NDF : 3631.9/74

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.423+/-0.487 χ^2/NDF : 457.4/19

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

Left In: -38.918+/-0.486 χ^2/NDF : 473.9/18

Left: -40.168+/-0.344 χ^2/NDF : 944.6/38

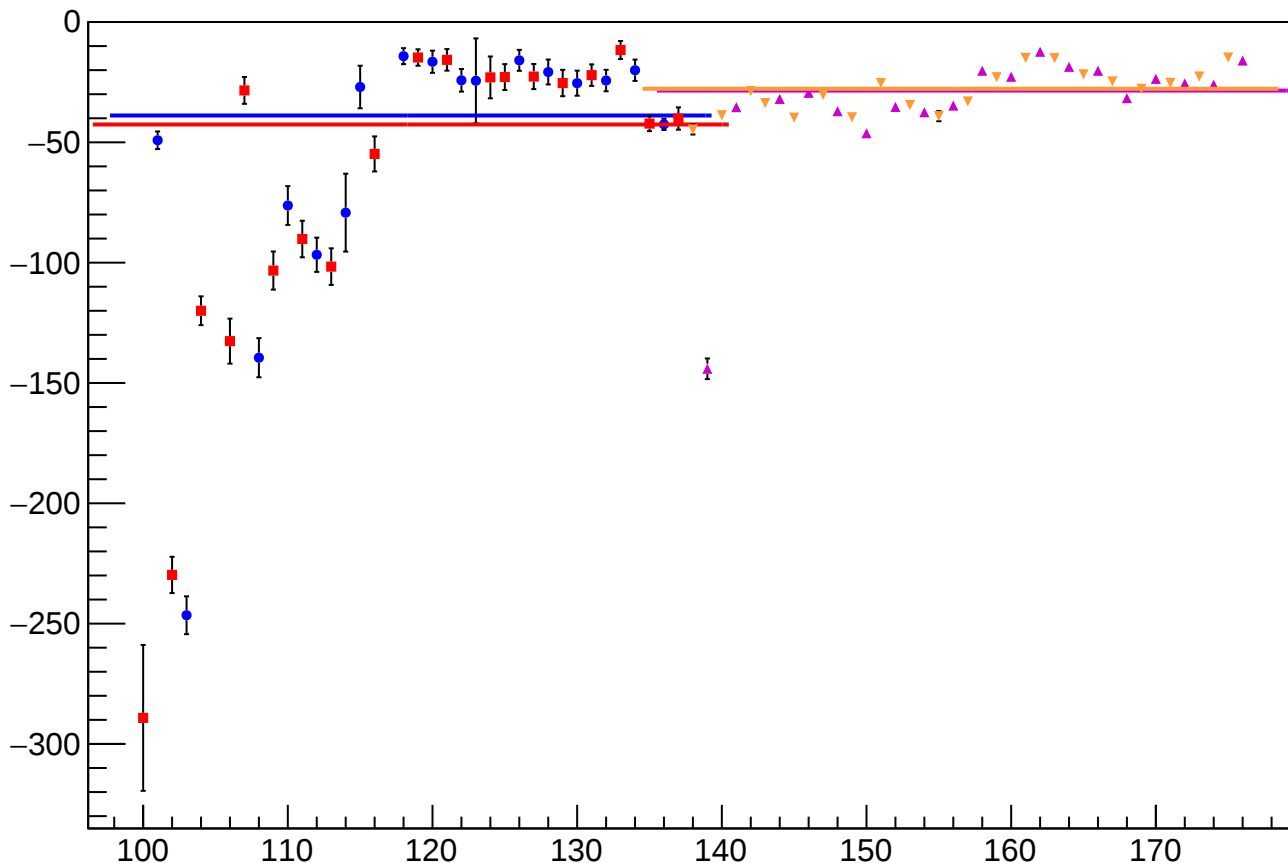
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.918+/-0.486 χ^2/NDF : 473.9/18

Out: -41.423+/-0.487 χ^2/NDF : 457.4/19

All: -40.168+/-0.344 χ^2/NDF : 944.6/38

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: -27.745 ± 0.365 $\chi^2/\text{NDF}: 553.6/19$

Right Out: -42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

Left In: -28.488 ± 0.370 $\chi^2/\text{NDF}: 1251.2/18$

Left: -28.112 ± 0.260 $\chi^2/\text{NDF}: 1806.9/38$

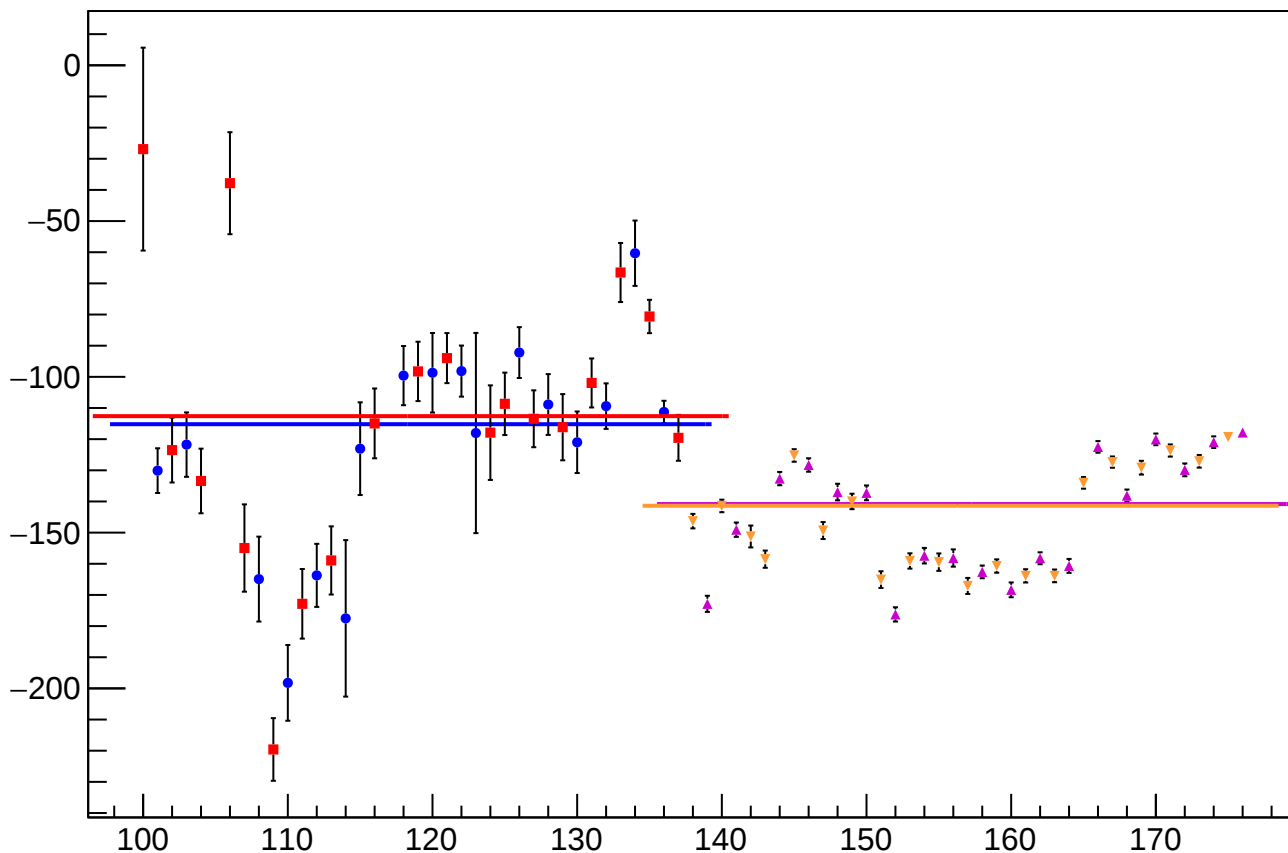
Right: -40.617 ± 0.833 $\chi^2/\text{NDF}: 2472.6/35$

In: -29.464 ± 0.353 $\chi^2/\text{NDF}: 2446.8/35$

Out: -28.985 ± 0.350 $\chi^2/\text{NDF}: 2037.1/38$

All: -29.223 ± 0.248 $\chi^2/\text{NDF}: 4484.9/74$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 χ^2/NDF : 140.8/16

Left Out: -141.378 ± 0.486 χ^2/NDF : 1187.5/19

Right Out: -112.611 ± 2.209 χ^2/NDF : 272.4/18

Left In: -140.834 ± 0.483 χ^2/NDF : 1563.0/18

Left: -141.105 ± 0.343 χ^2/NDF : 2751.1/38

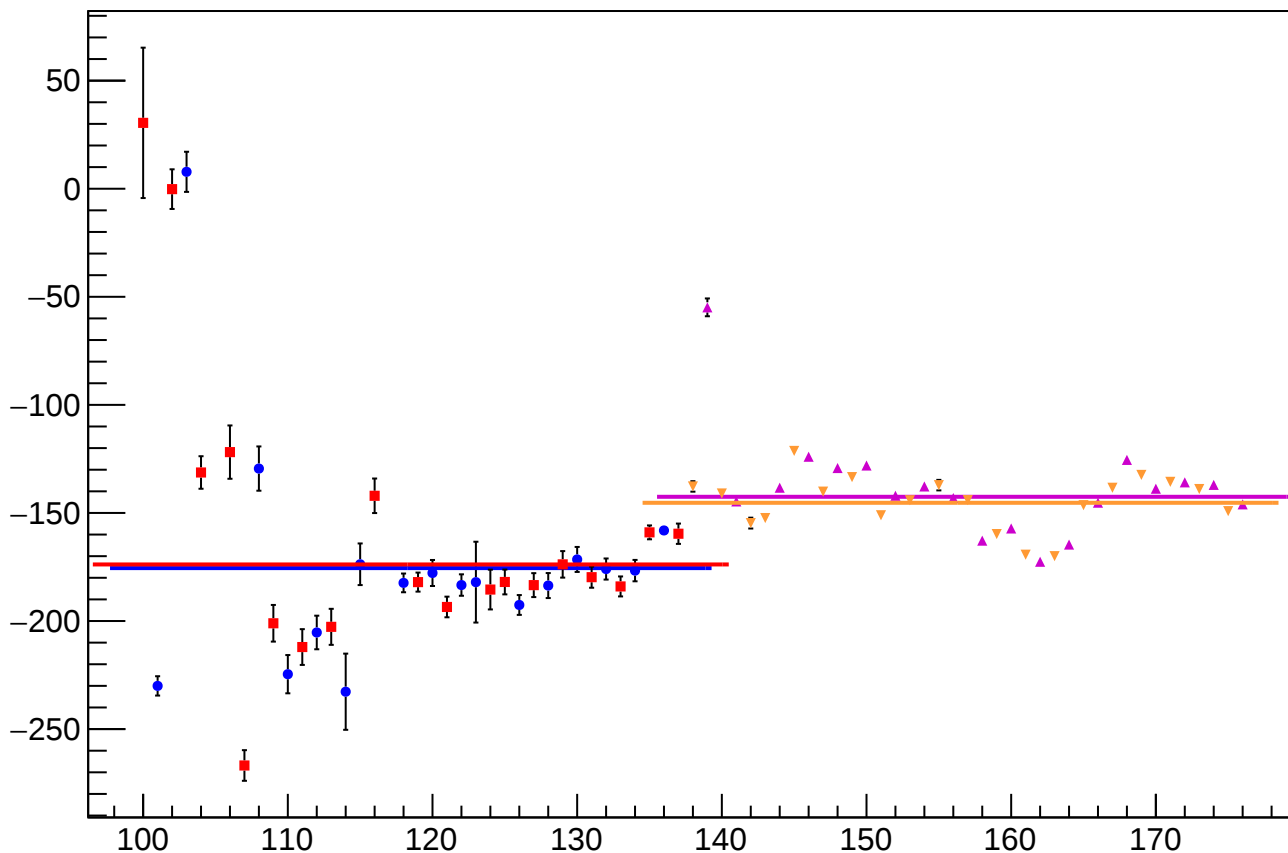
Right: -113.982 ± 1.515 χ^2/NDF : 413.9/35

In: -139.523 ± 0.471 χ^2/NDF : 1847.7/35

Out: -140.051 ± 0.475 χ^2/NDF : 1621.6/38

All: -139.785 ± 0.334 χ^2/NDF : 3469.9/74

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 $\chi^2/\text{NDF}: 692.3/16$

Left Out: -145.302 ± 0.415 $\chi^2/\text{NDF}: 909.1/19$

Right Out: -173.830 ± 1.357 $\chi^2/\text{NDF}: 737.9/18$

Left In: -142.525 ± 0.419 $\chi^2/\text{NDF}: 1469.7/18$

Left: -143.928 ± 0.295 $\chi^2/\text{NDF}: 2401.1/38$

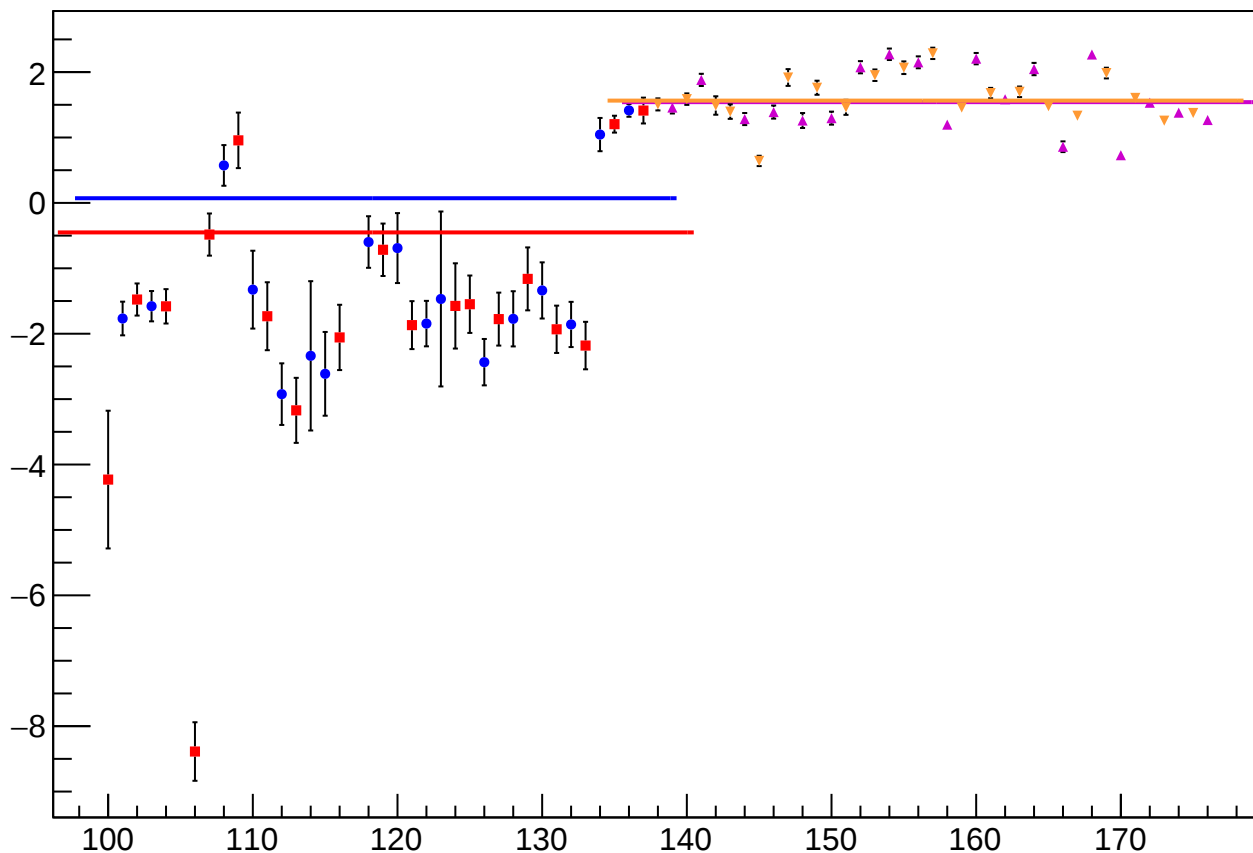
Right: -174.726 ± 0.930 $\chi^2/\text{NDF}: 1431.0/35$

In: -145.730 ± 0.398 $\chi^2/\text{NDF}: 2764.7/35$

Out: -147.739 ± 0.396 $\chi^2/\text{NDF}: 2051.5/38$

All: -146.738 ± 0.281 $\chi^2/\text{NDF}: 4829.0/74$

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 $\chi^2/\text{NDF}: 525.2/16$

Left Out: 1.564 ± 0.019 $\chi^2/\text{NDF}: 336.0/19$

Right Out: -0.451 ± 0.071 $\chi^2/\text{NDF}: 751.3/18$

Left In: 1.540 ± 0.019 $\chi^2/\text{NDF}: 621.6/18$

Left: 1.552 ± 0.013 $\chi^2/\text{NDF}: 958.3/38$

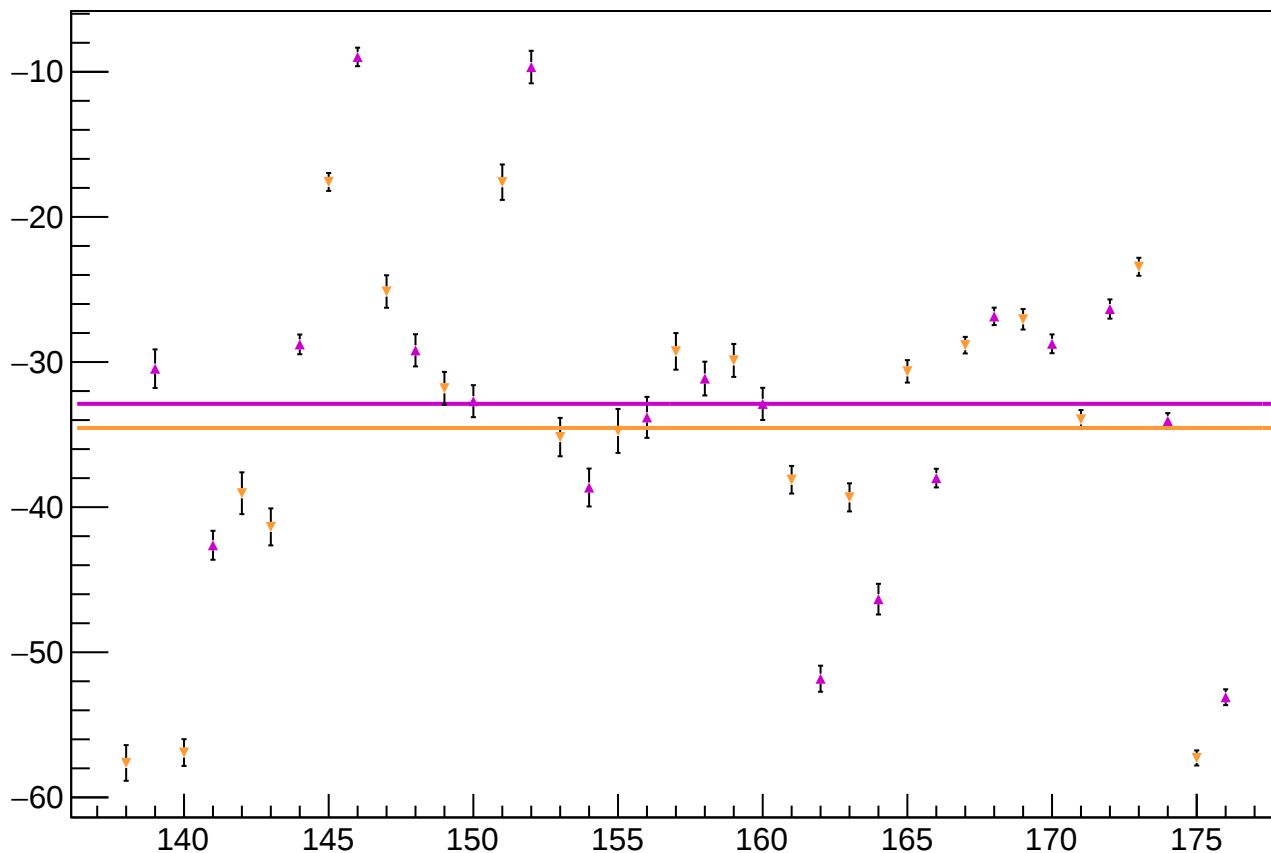
Right: -0.174 ± 0.049 $\chi^2/\text{NDF}: 1305.0/35$

In: 1.433 ± 0.018 $\chi^2/\text{NDF}: 1590.3/35$

Out: 1.428 ± 0.019 $\chi^2/\text{NDF}: 1831.6/38$

All: 1.431 ± 0.013 $\chi^2/\text{NDF}: 3422.0/74$

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.541+/-0.189 χ^2/NDF : 4553.8/19

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

Left In: -32.880+/-0.182 χ^2/NDF : 4280.3/18

Left: -33.679+/-0.131 χ^2/NDF : 8874.0/38

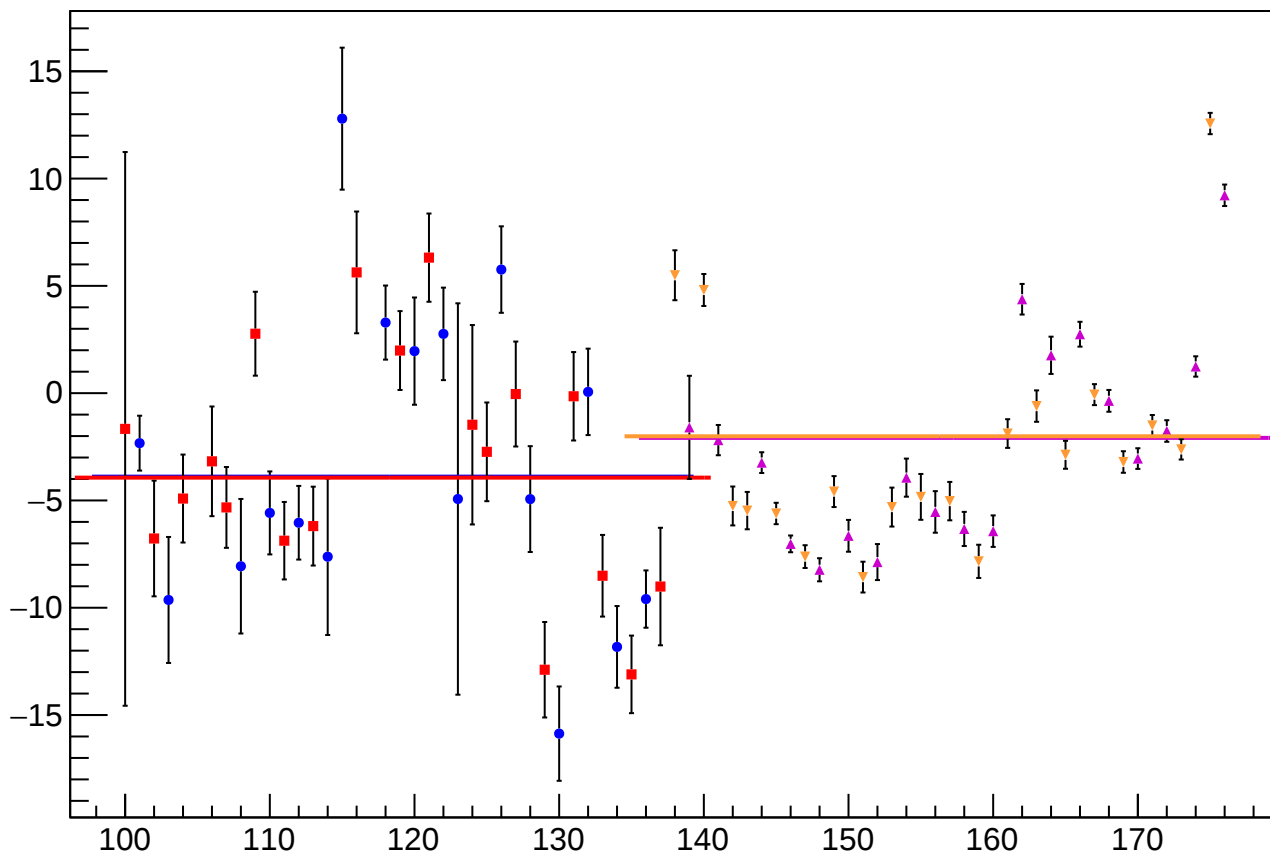
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.880+/-0.182 χ^2/NDF : 4280.3/18

Out: -34.541+/-0.189 χ^2/NDF : 4553.8/19

All: -33.679+/-0.131 χ^2/NDF : 8874.0/38

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -2.010 ± 0.143 χ^2/NDF : 1394.0/19

Right Out: -3.937 ± 0.507 χ^2/NDF : 122.2/18

Left In: -2.084 ± 0.138 χ^2/NDF : 1208.4/18

Left: -2.048 ± 0.099 χ^2/NDF : 2602.6/38

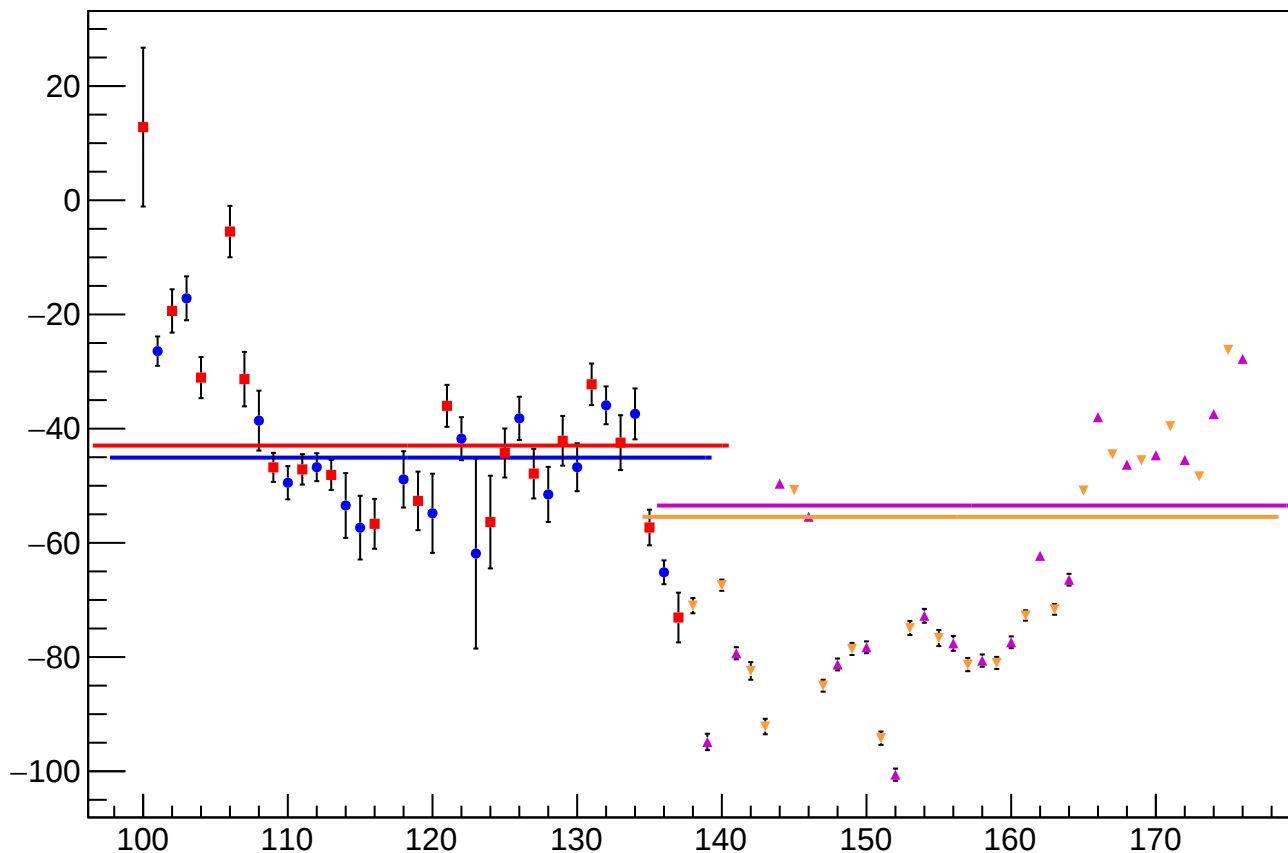
Right: -3.913 ± 0.355 χ^2/NDF : 282.6/35

In: -2.213 ± 0.133 χ^2/NDF : 1381.1/35

Out: -2.152 ± 0.138 χ^2/NDF : 1529.6/38

All: -2.183 ± 0.096 χ^2/NDF : 2910.8/74

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -55.452 ± 0.190 χ^2/NDF : 10433.2/19

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

Left In: -53.465 ± 0.183 χ^2/NDF : 10745.8/18

Left: -54.420 ± 0.132 χ^2/NDF : 21235.8/38

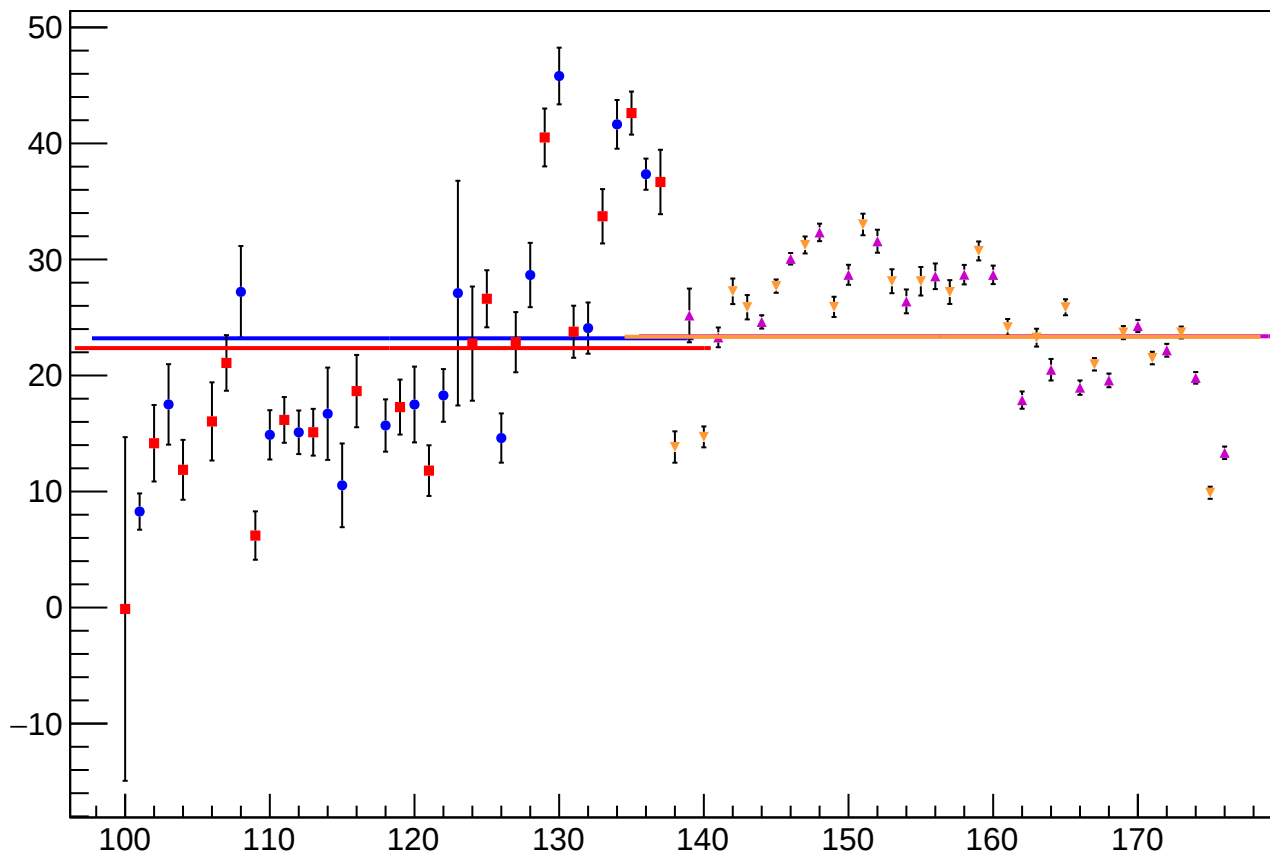
Right: -44.008 ± 0.623 χ^2/NDF : 480.9/35

In: -53.120 ± 0.179 χ^2/NDF : 11062.1/35

Out: -54.893 ± 0.186 χ^2/NDF : 10875.0/38

All: -53.974 ± 0.129 χ^2/NDF : 21984.3/74

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 ± 0.559 $\chi^2/\text{NDF}: 457.3/16$

Left Out: 23.339 ± 0.162 $\chi^2/\text{NDF}: 1295.2/19$

Right Out: 22.361 ± 0.573 $\chi^2/\text{NDF}: 366.9/18$

Left In: 23.380 ± 0.157 $\chi^2/\text{NDF}: 1112.3/18$

Left: 23.360 ± 0.113 $\chi^2/\text{NDF}: 2407.5/38$

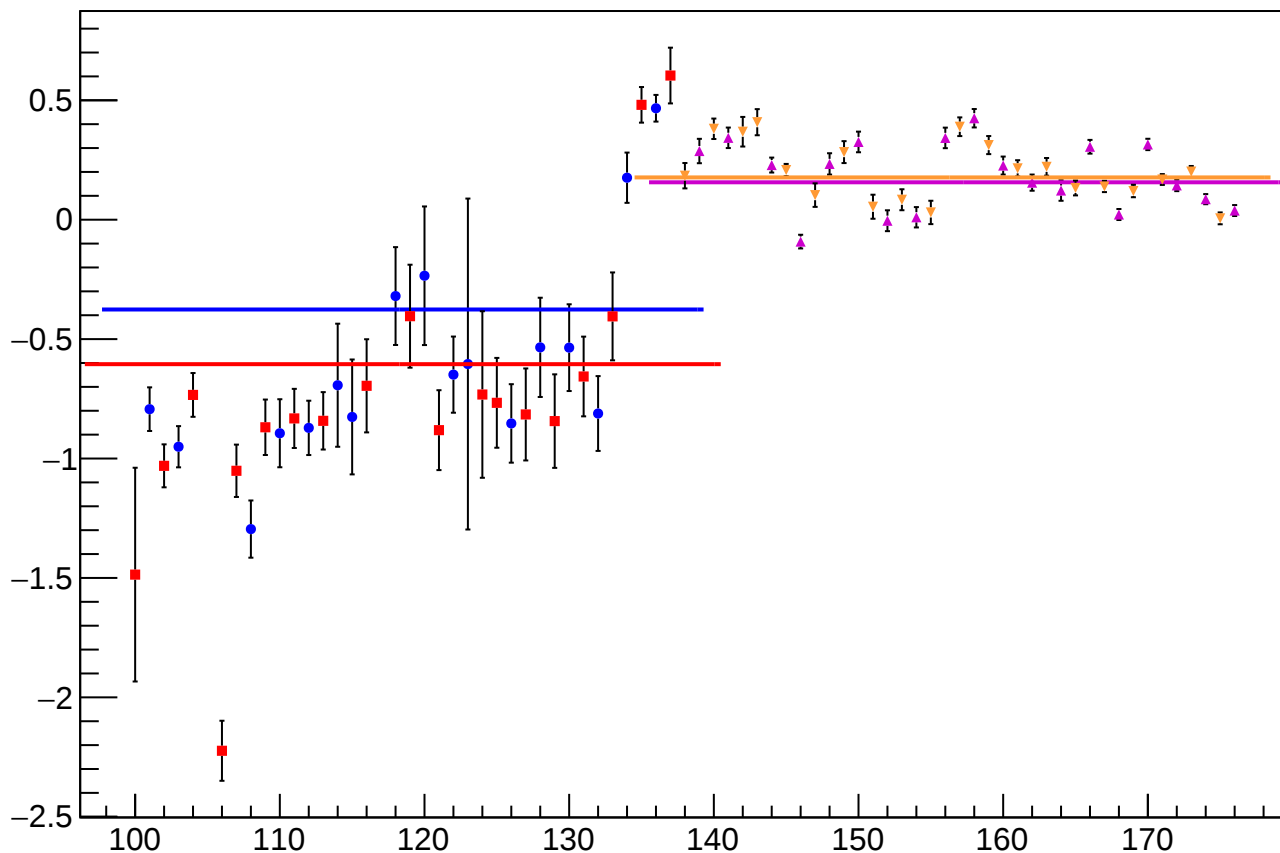
Right: 22.793 ± 0.400 $\chi^2/\text{NDF}: 825.2/35$

In: 23.367 ± 0.152 $\chi^2/\text{NDF}: 1569.7/35$

Out: 23.267 ± 0.156 $\chi^2/\text{NDF}: 1664.8/38$

All: 23.318 ± 0.109 $\chi^2/\text{NDF}: 3234.6/74$

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: 0.177 ± 0.007 $\chi^2/\text{NDF}: 181.5/19$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

Left In: 0.157 ± 0.007 $\chi^2/\text{NDF}: 364.1/18$

Left: 0.166 ± 0.005 $\chi^2/\text{NDF}: 549.5/38$

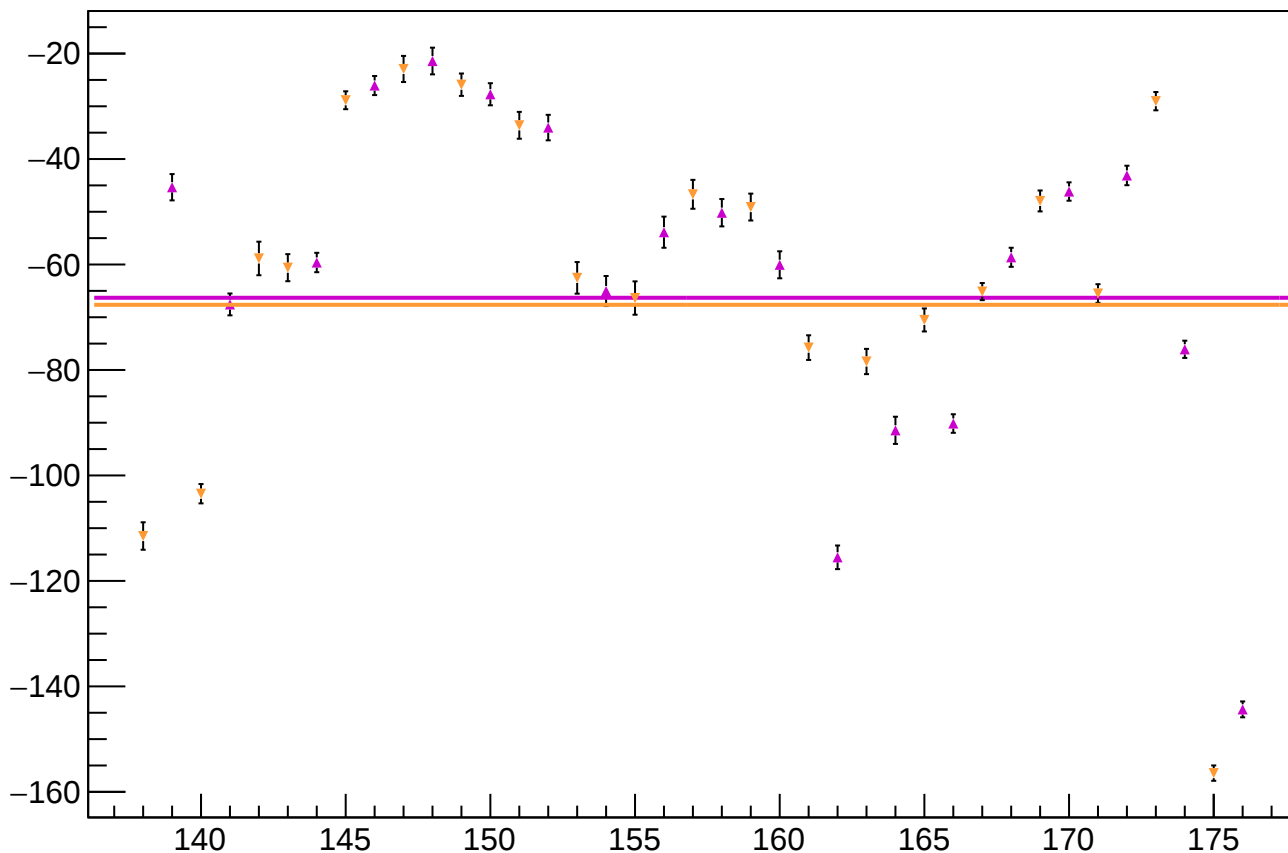
Right: -0.490 ± 0.021 $\chi^2/\text{NDF}: 1017.2/35$

In: 0.128 ± 0.007 $\chi^2/\text{NDF}: 1097.1/35$

Out: 0.132 ± 0.007 $\chi^2/\text{NDF}: 1363.4/38$

All: 0.130 ± 0.005 $\chi^2/\text{NDF}: 2460.6/74$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -67.642 $\pm$ 0.476 χ^2/NDF : 6564.0/19

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

Left In: -66.309 $\pm$ 0.471 χ^2/NDF : 5267.9/18

Left: -66.968 $\pm$ 0.335 χ^2/NDF : 11835.9/38

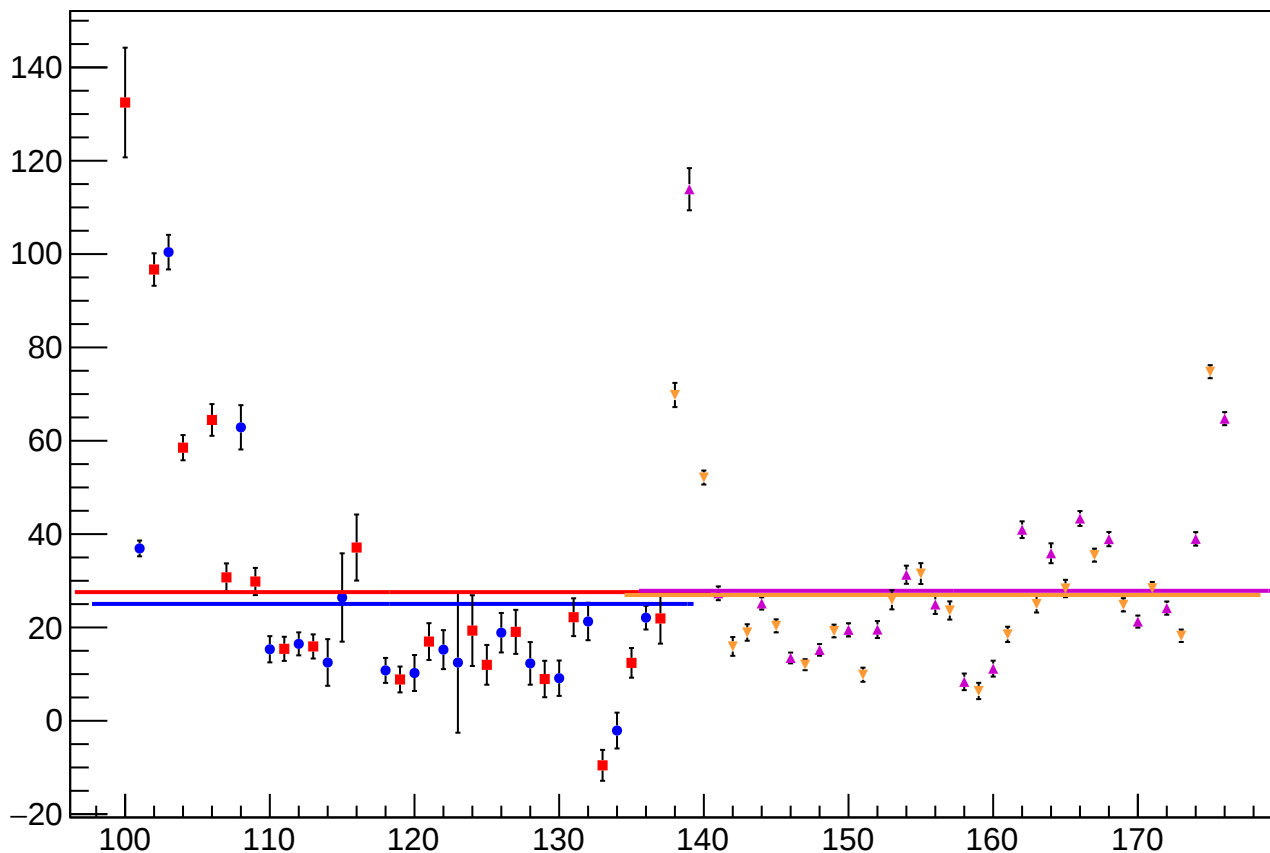
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -66.309 $\pm$ 0.471 χ^2/NDF : 5267.9/18

Out: -67.642 $\pm$ 0.476 χ^2/NDF : 6564.0/19

All: -66.968 $\pm$ 0.335 χ^2/NDF : 11835.9/38

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: 26.957 $\pm$ 0.354 χ^2 /NDF:2374.8/19

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

Left In: 27.855 $\pm$ 0.356 χ^2 /NDF:1904.4/18

Left: 27.403 $\pm$ 0.251 χ^2 /NDF: 4282.4/38

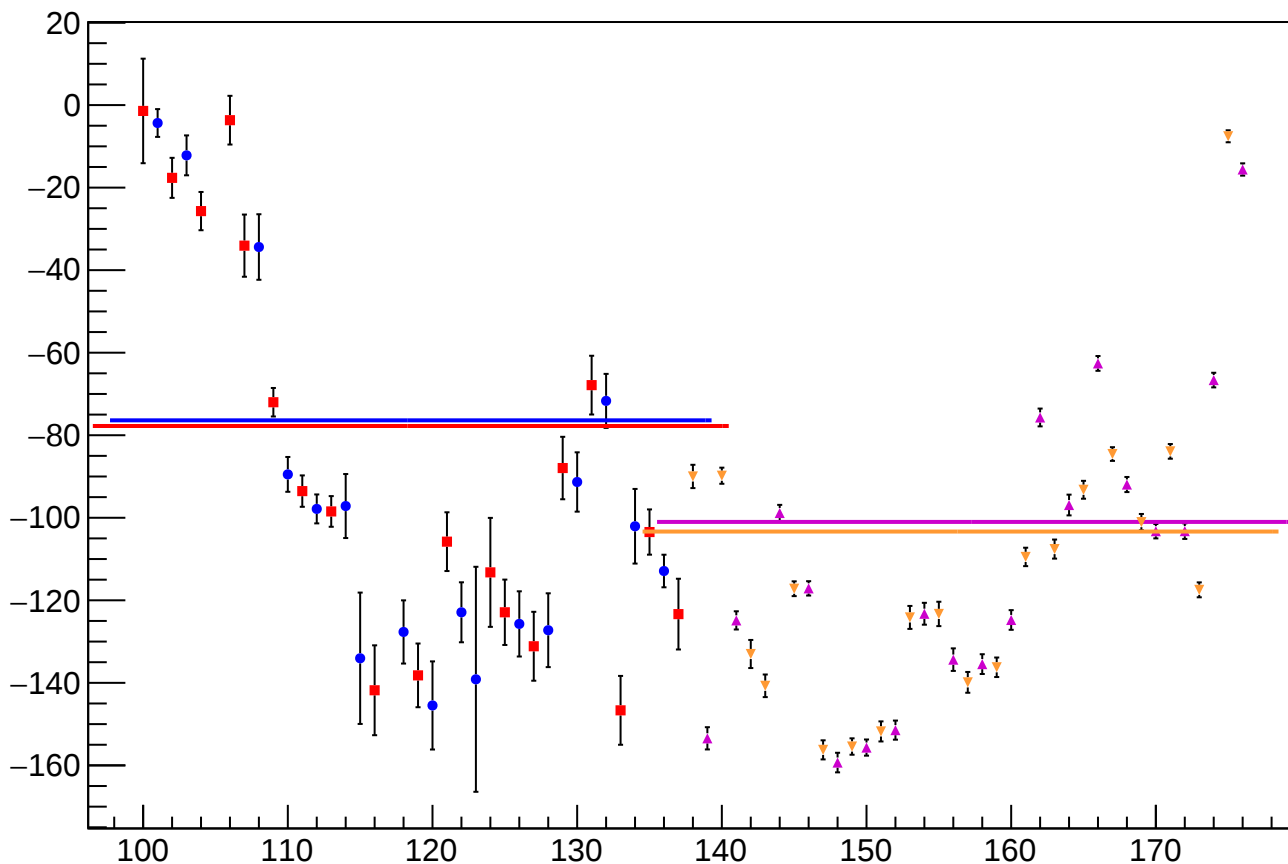
Right: 26.303 $\pm$ 0.571 χ^2 /NDF: 1704.1/35

In: 27.396 $\pm$ 0.326 χ^2 /NDF:2601.0/35

Out: 27.056 $\pm$ 0.324 χ^2 /NDF:3388.0/38

All: 27.225 $\pm$ 0.230 χ^2 /NDF: 5989.6/74

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: -103.340 ± 0.476 $\chi^2/\text{NDF}: 7174.8/19$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

Left In: -101.006 ± 0.469 $\chi^2/\text{NDF}: 7252.2/18$

Left: -102.157 ± 0.334 $\chi^2/\text{NDF}: 14439.2/38$

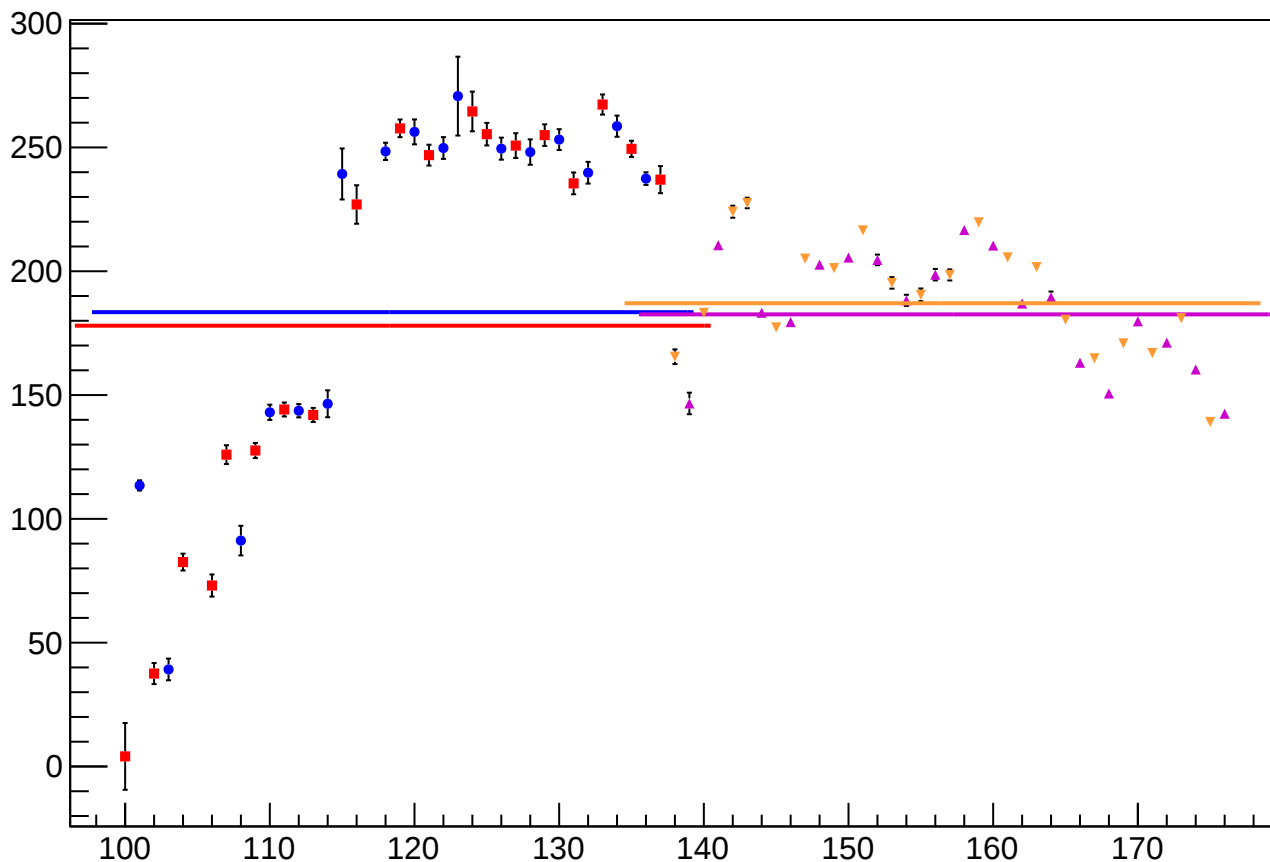
Right: -77.108 ± 0.978 $\chi^2/\text{NDF}: 1905.1/35$

In: -98.571 ± 0.445 $\chi^2/\text{NDF}: 8556.3/35$

Out: -100.526 ± 0.449 $\chi^2/\text{NDF}: 8365.6/38$

All: -99.541 ± 0.316 $\chi^2/\text{NDF}: 16931.5/74$

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: 187.083 ± 0.404 $\chi^2/\text{NDF}: 3232.2/19$

Right Out: 178.011 ± 0.924 $\chi^2/\text{NDF}: 6345.7/18$

Left In: 182.584 ± 0.405 $\chi^2/\text{NDF}: 2815.9/18$

Left: 184.840 ± 0.286 $\chi^2/\text{NDF}: 6109.9/38$

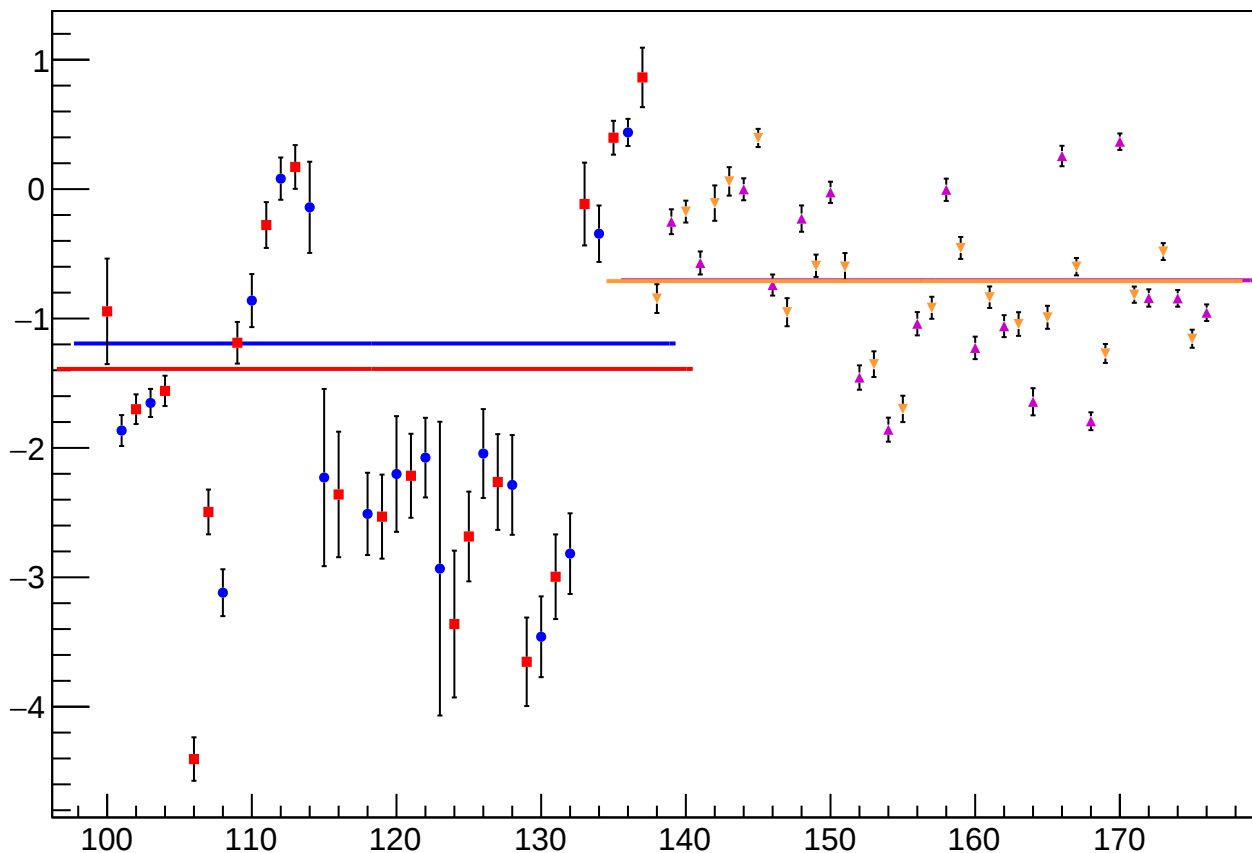
Right: 180.761 ± 0.651 $\chi^2/\text{NDF}: 11694.8/35$

In: 182.730 ± 0.371 $\chi^2/\text{NDF}: 8148.1/35$

Out: 185.625 ± 0.370 $\chi^2/\text{NDF}: 9658.9/38$

All: 184.180 ± 0.262 $\chi^2/\text{NDF}: 17837.5/74$

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.711 ± 0.019 χ^2/NDF : 658.3/19

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

Left In: -0.705 ± 0.018 χ^2/NDF : 1321.7/18

Left: -0.708 ± 0.013 χ^2/NDF : 1980.1/38

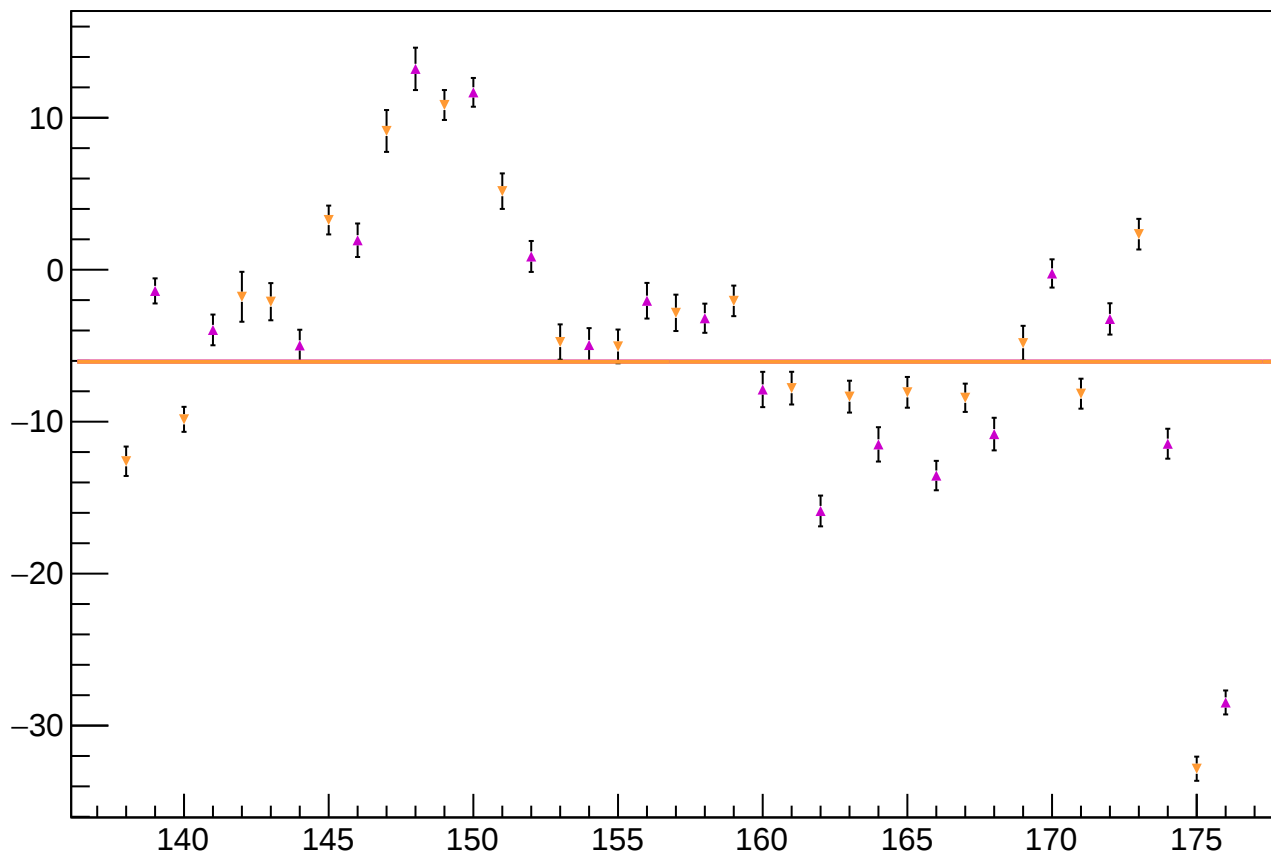
Right: -1.296 ± 0.033 χ^2/NDF : 1551.0/35

In: -0.767 ± 0.017 χ^2/NDF : 2033.0/35

Out: -0.809 ± 0.017 χ^2/NDF : 1766.6/38

All: -0.788 ± 0.012 χ^2/NDF : 3802.5/74

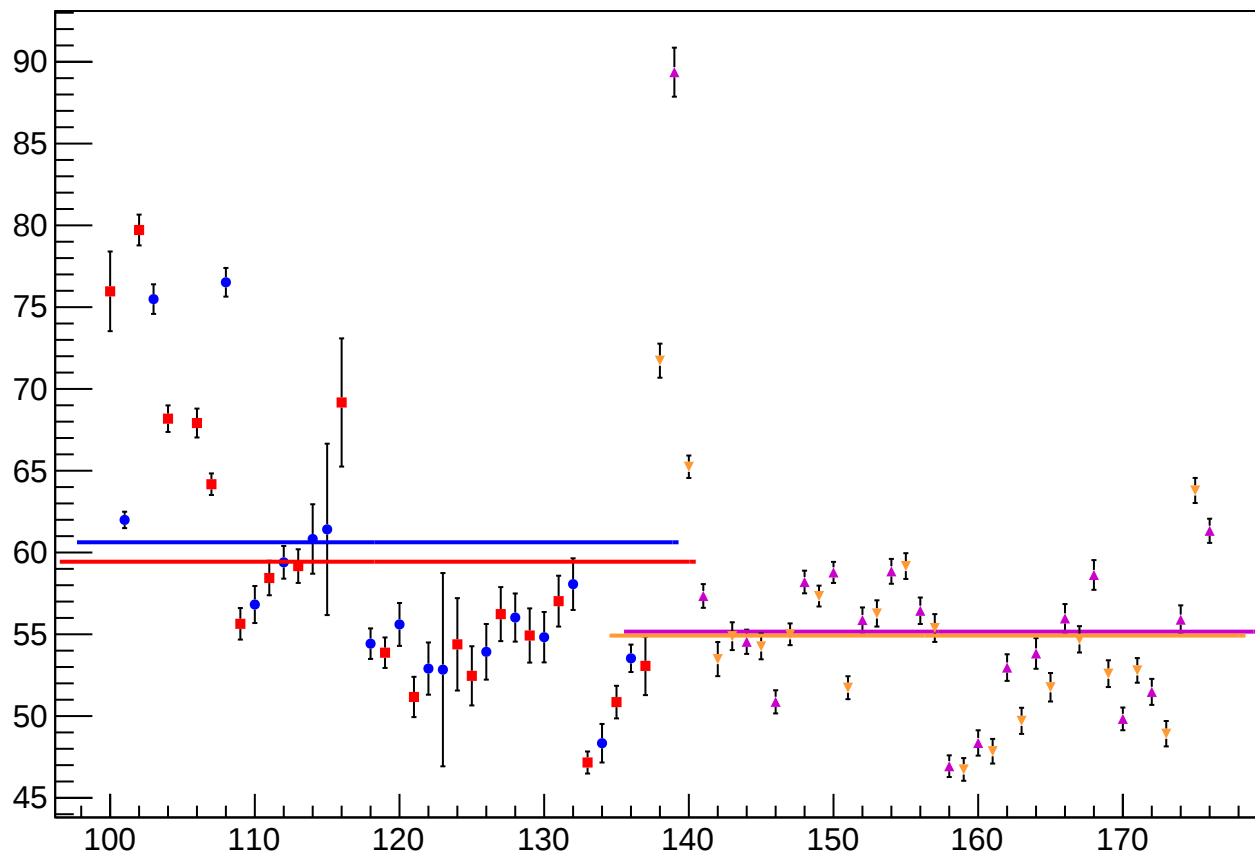
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.057 $\pm$ 0.233 χ^2 /NDF:1942.8/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.043 $\pm$ 0.232 χ^2 /NDF:1782.2/18

Left: -6.050 $\pm$ 0.164 χ^2 /NDF: 3725.0/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.043 $\pm$ 0.232 χ^2 /NDF:1782.2/18
 Out: -6.057 $\pm$ 0.233 χ^2 /NDF:1942.8/19
 All: -6.050 $\pm$ 0.164 χ^2 /NDF: 3725.0/38

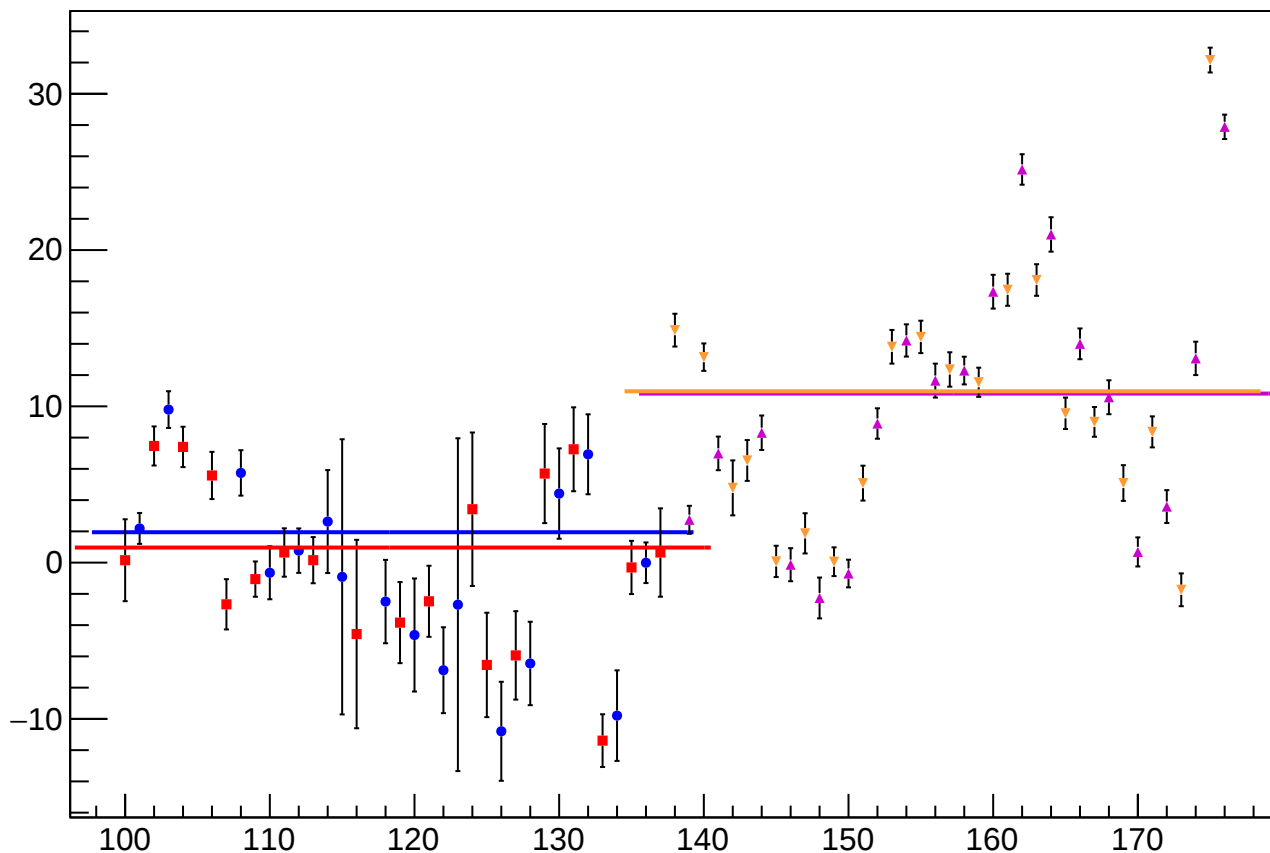
reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16
 Left Out: 54.920 $\pm$ 0.174 χ^2 /NDF:1049.0/19
 Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18
 Left In: 55.162 $\pm$ 0.178 χ^2 /NDF:1051.7/18

Left: 55.038 $\pm$ 0.124 χ^2 /NDF: 2101.6/38
 Right: 59.996 $\pm$ 0.180 χ^2 /NDF: 2258.7/35
 In: 56.880 $\pm$ 0.148 χ^2 /NDF:2271.9/35
 Out: 56.409 $\pm$ 0.142 χ^2 /NDF:2595.2/38
 All: 56.636 $\pm$ 0.102 χ^2 /NDF: 4872.5/74

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 10.962 ± 0.231 χ^2/NDF : 1389.1/19

Right Out: 0.964 ± 0.424 χ^2/NDF : 149.5/18

Left In: 10.817 ± 0.229 χ^2/NDF : 1490.0/18

Left: 10.889 ± 0.163 χ^2/NDF : 2879.3/38

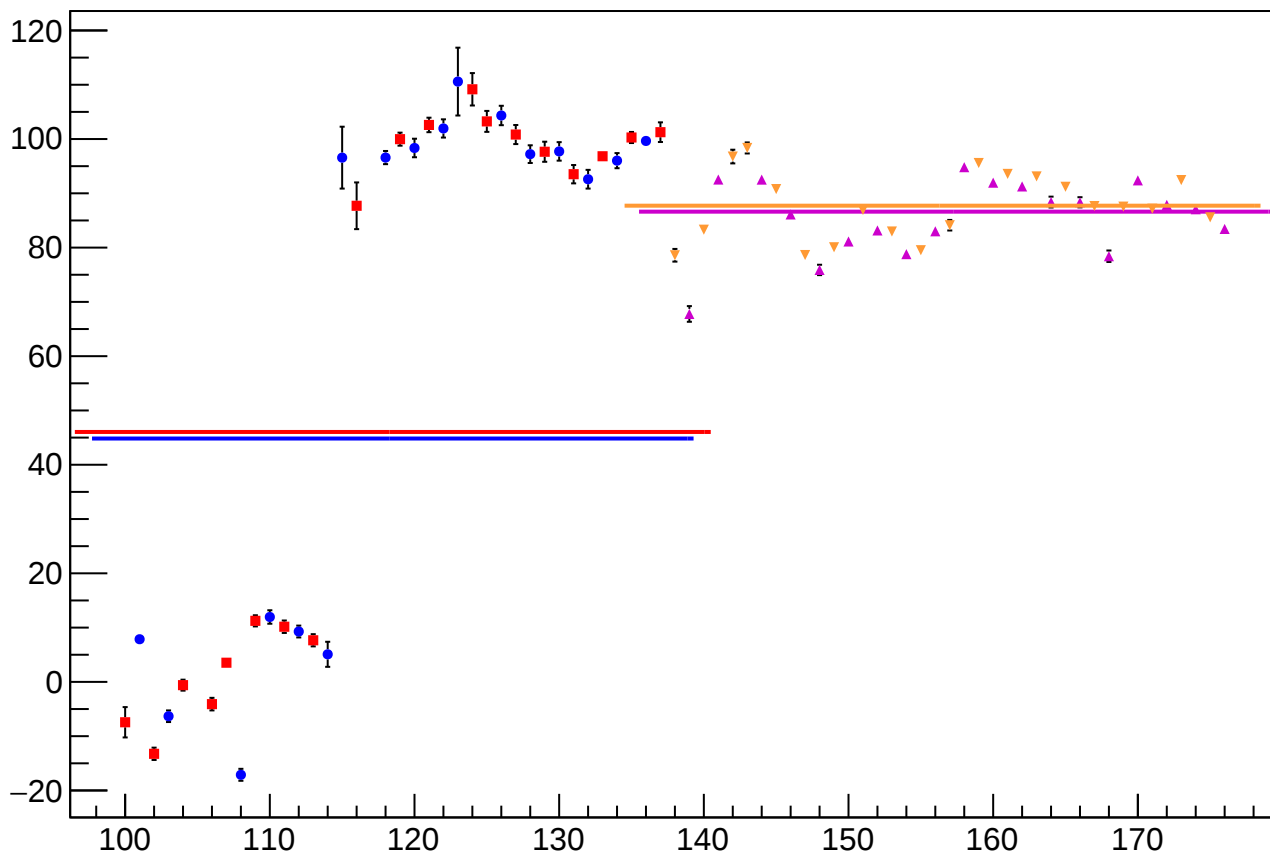
Right: 1.416 ± 0.312 χ^2/NDF : 272.6/35

In: 9.042 ± 0.205 χ^2/NDF : 1909.7/35

Out: 8.678 ± 0.203 χ^2/NDF : 1966.9/38

All: 8.858 ± 0.144 χ^2/NDF : 3878.2/74

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 87.723+/-0.198 χ^2/NDF :851.1/19

Right Out: 46.040+/-0.289 χ^2/NDF : 28263.4/18

Left In: 86.621+/-0.201 χ^2/NDF :904.7/18

Left: 87.181+/-0.141 χ^2/NDF : 1771.0/38

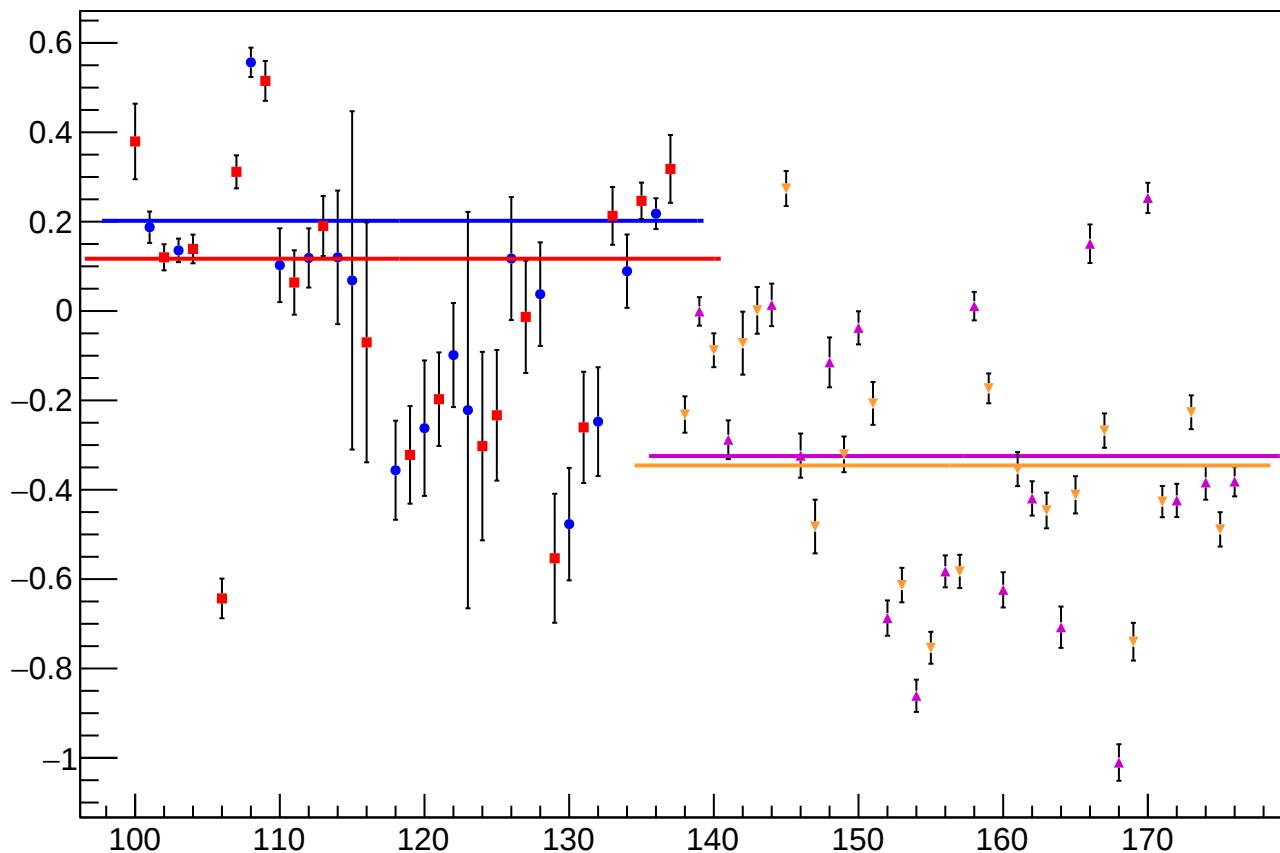
Right: 45.465+/-0.210 χ^2/NDF : 53034.8/35

In: 73.946+/-0.168 χ^2/NDF :38778.3/35

Out: 74.472+/-0.163 χ^2/NDF :43257.9/38

All: 74.216+/-0.117 χ^2/NDF : 82041.2/74

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 $\chi^2/\text{NDF}: 216.0/16$

Left Out: -0.346 ± 0.009 $\chi^2/\text{NDF}: 752.0/19$

Right Out: 0.117 ± 0.013 $\chi^2/\text{NDF}: 499.6/18$

Left In: -0.325 ± 0.009 $\chi^2/\text{NDF}: 1535.8/18$

Left: -0.335 ± 0.006 $\chi^2/\text{NDF}: 2290.5/38$

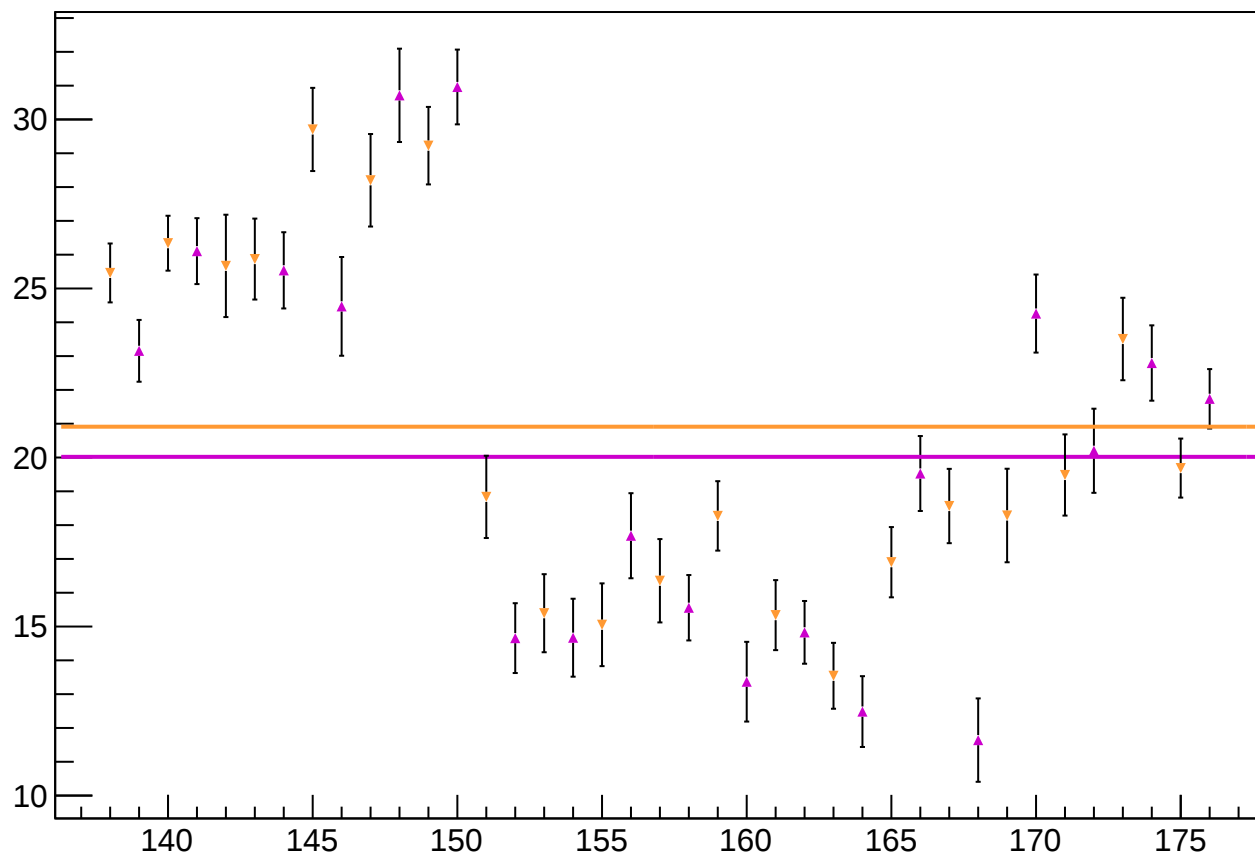
Right: 0.156 ± 0.010 $\chi^2/\text{NDF}: 735.2/35$

In: -0.174 ± 0.008 $\chi^2/\text{NDF}: 2755.2/35$

Out: -0.195 ± 0.007 $\chi^2/\text{NDF}: 2103.0/38$

All: -0.185 ± 0.005 $\chi^2/\text{NDF}: 4862.2/74$

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: 20.912 $\pm$ 0.246 χ^2 /NDF:417.0/19

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

Left In: 20.020 $\pm$ 0.250 χ^2 /NDF:499.8/18

Left: 20.474 $\pm$ 0.175 χ^2 /NDF: 923.3/38

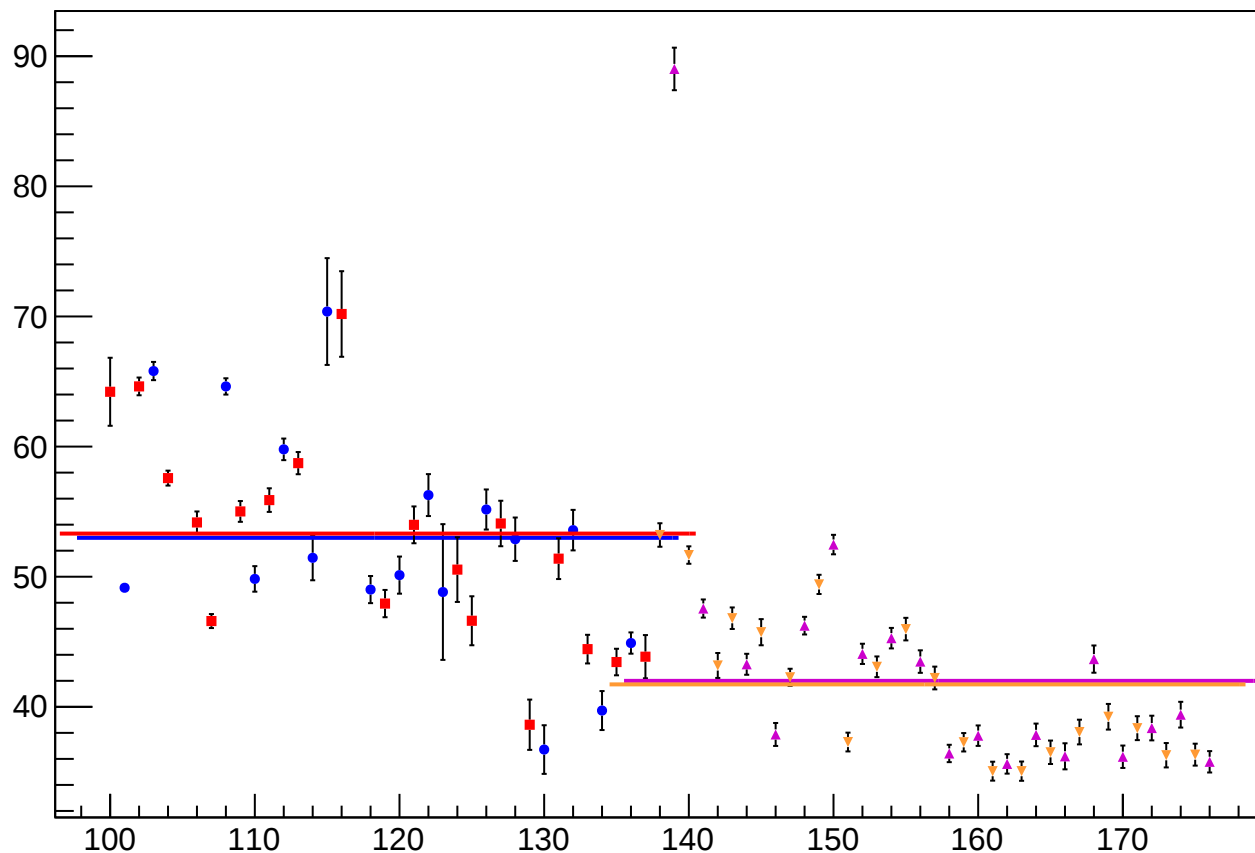
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 20.020 $\pm$ 0.250 χ^2 /NDF:499.8/18

Out: 20.912 $\pm$ 0.246 χ^2 /NDF:417.0/19

All: 20.474 $\pm$ 0.175 χ^2 /NDF: 923.3/38

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 41.726 $\pm$ 0.182 χ^2 /NDF: 959.2/19

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

Left In: 41.997 $\pm$ 0.190 χ^2 /NDF: 1532.9/18

Left: 41.855 $\pm$ 0.132 χ^2 /NDF: 2493.1/38

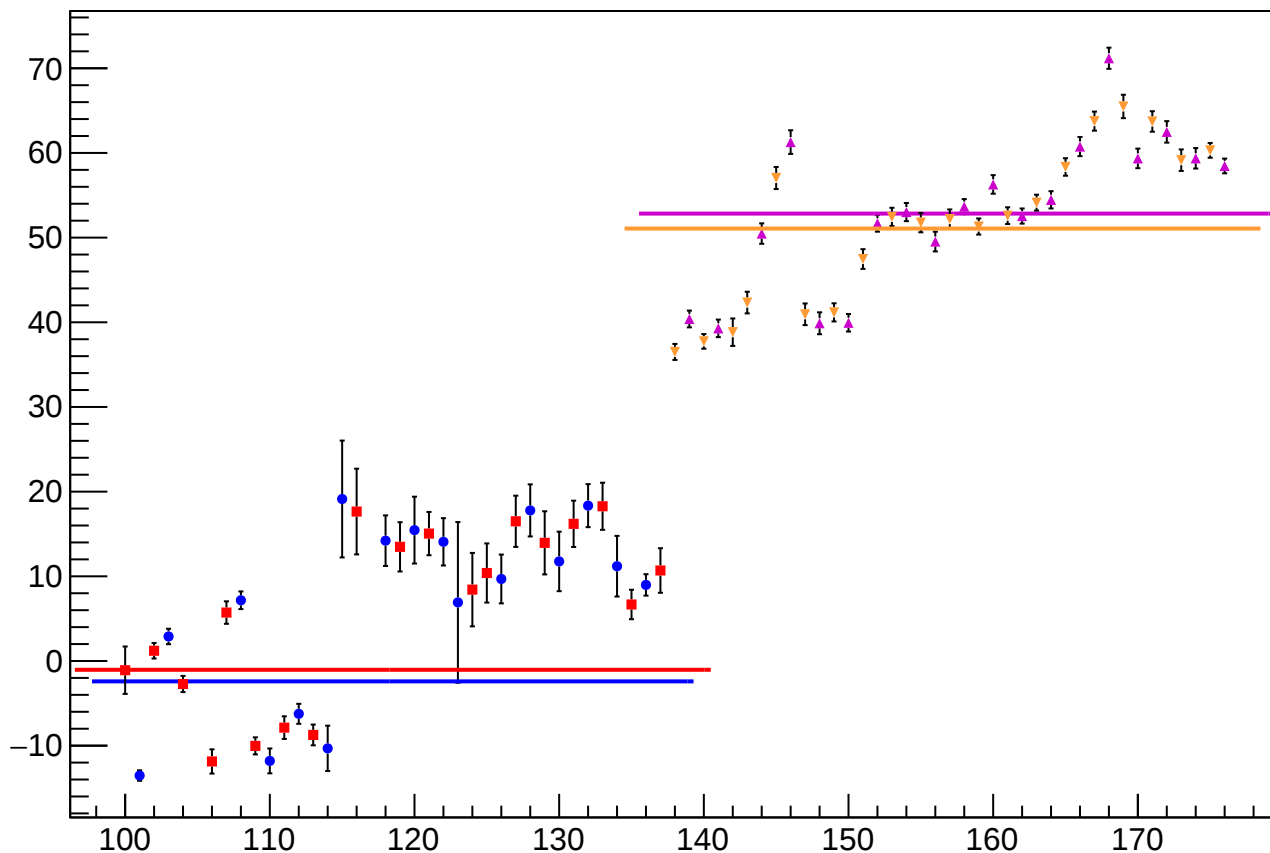
Right: 53.140 $\pm$ 0.154 χ^2 /NDF: 2074.7/35

In: 46.924 $\pm$ 0.141 χ^2 /NDF: 4229.9/35

Out: 46.274 $\pm$ 0.142 χ^2 /NDF: 3422.0/38

All: 46.601 $\pm$ 0.100 χ^2 /NDF: 7662.4/74

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 51.071 ± 0.244 χ^2/NDF : 1321.3/19

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

Left In: 52.838 ± 0.247 χ^2/NDF : 1073.1/18

Left: 51.944 ± 0.174 χ^2/NDF : 2420.3/38

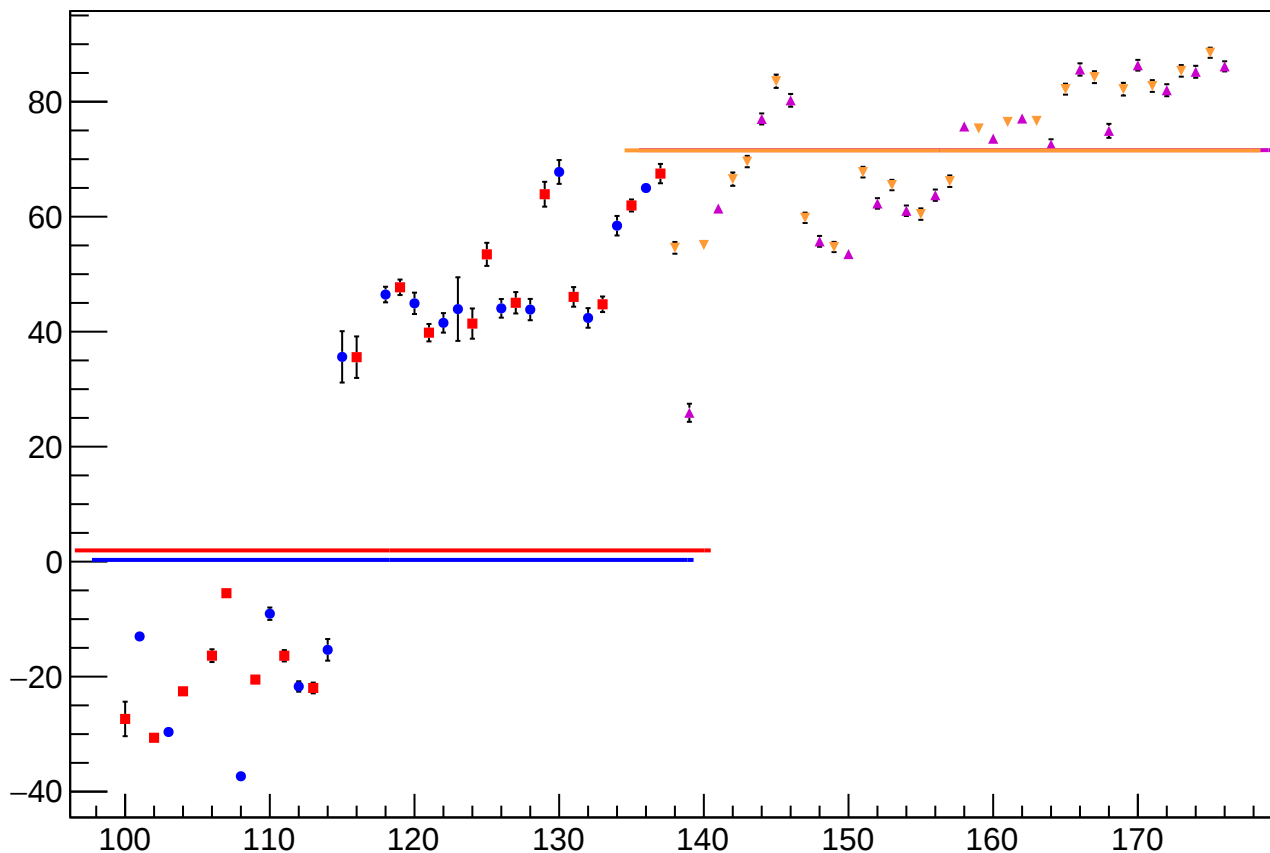
Right: -1.748 ± 0.262 χ^2/NDF : 1349.0/35

In: 35.454 ± 0.204 χ^2/NDF : 17667.8/35

Out: 35.693 ± 0.205 χ^2/NDF : 15292.3/38

All: 35.573 ± 0.145 χ^2/NDF : 32960.8/74

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300+/-0.247 χ^2/NDF : 18259.2/16

Left Out: 71.530+/-0.208 χ^2/NDF : 2717.2/19

Right Out: 1.952+/-0.267 χ^2/NDF : 15450.6/18

Left In: 71.574+/-0.215 χ^2/NDF : 3165.4/18

Left: 71.551+/-0.149 χ^2/NDF : 5882.6/38

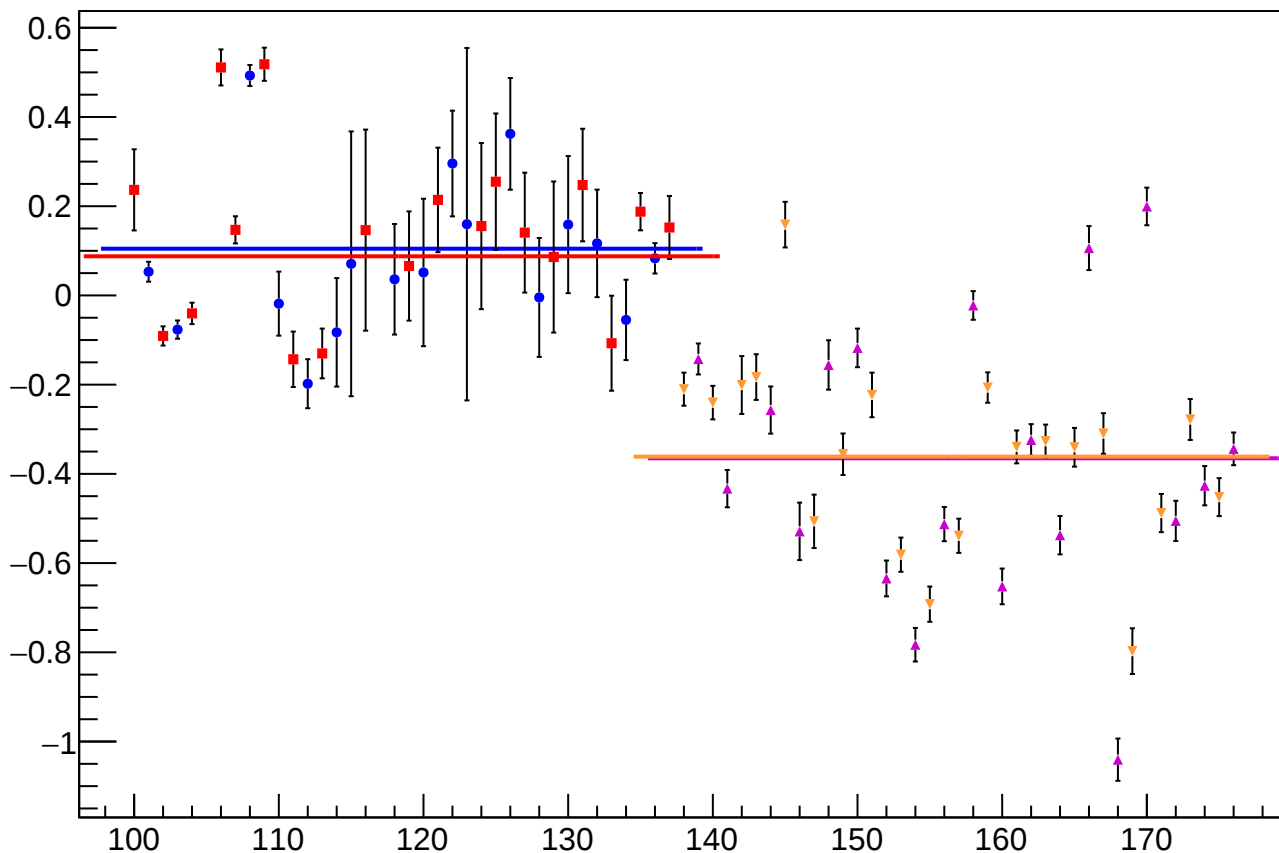
Right: 1.065+/-0.181 χ^2/NDF : 33730.4/35

In: 40.937+/-0.162 χ^2/NDF : 68739.1/35

Out: 45.193+/-0.164 χ^2/NDF : 60487.4/38

All: 43.041+/-0.115 χ^2/NDF : 129566.7/74

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: -0.361 ± 0.010 $\chi^2/\text{NDF}: 399.1/19$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

Left In: -0.365 ± 0.010 $\chi^2/\text{NDF}: 953.8/18$

Left: -0.363 ± 0.007 $\chi^2/\text{NDF}: 1353.1/38$

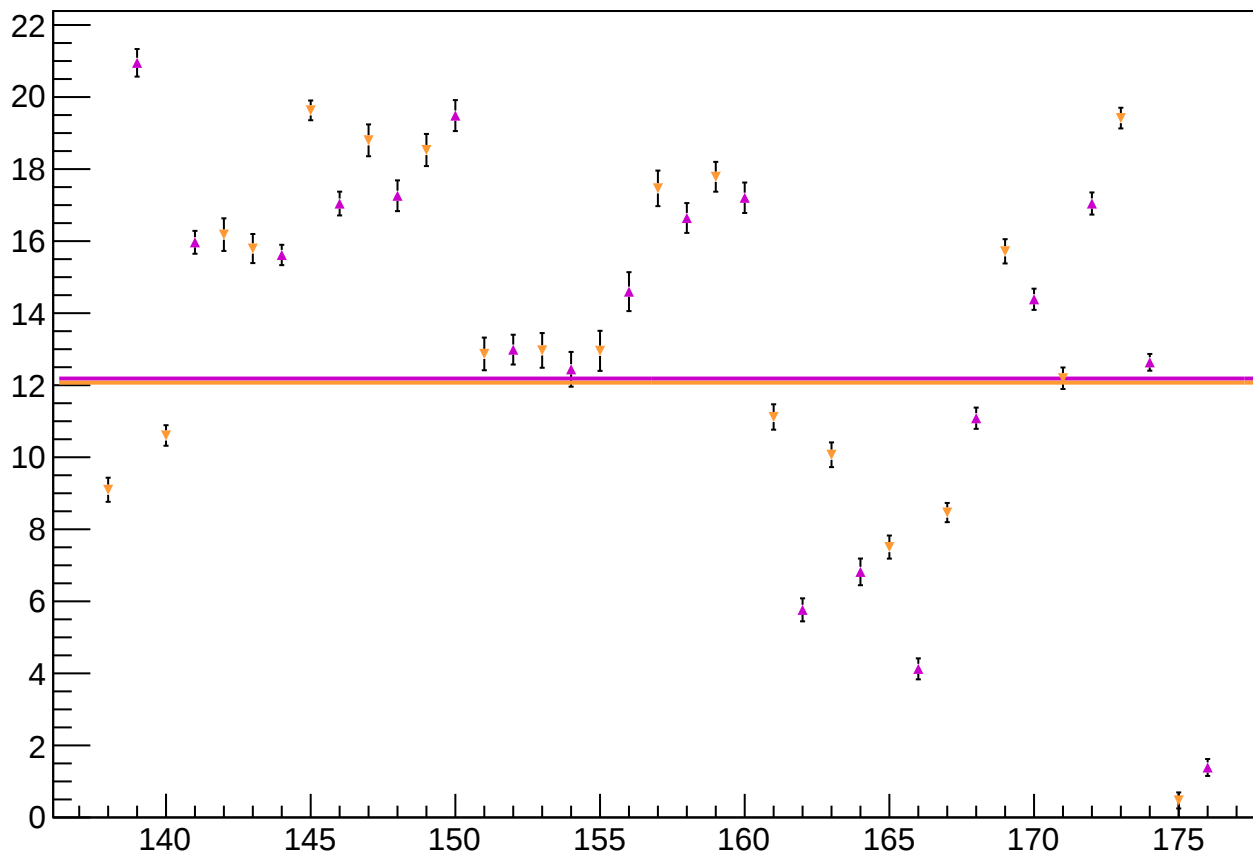
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.164 ± 0.007 $\chi^2/\text{NDF}: 2391.2/35$

Out: -0.168 ± 0.007 $\chi^2/\text{NDF}: 1735.7/38$

All: -0.166 ± 0.005 $\chi^2/\text{NDF}: 4127.0/74$

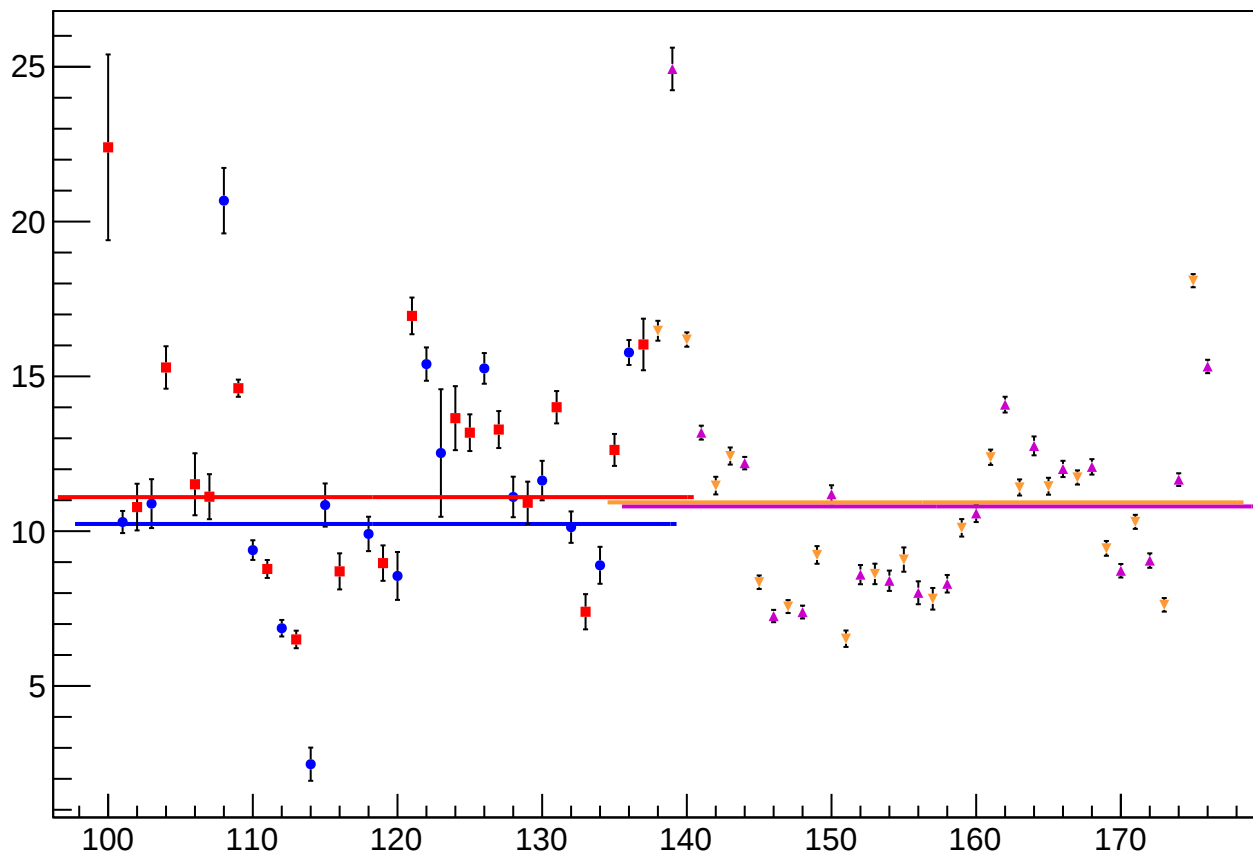
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 12.071 $\pm$ 0.077 χ^2 /NDF:5710.5/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 12.185 $\pm$ 0.076 χ^2 /NDF:5553.3/18

Left: 12.128 $\pm$ 0.054 χ^2 /NDF: 11265.0/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 12.185 $\pm$ 0.076 χ^2 /NDF:5553.3/18
 Out: 12.071 $\pm$ 0.077 χ^2 /NDF:5710.5/19
 All: 12.128 $\pm$ 0.054 χ^2 /NDF: 11265.0/38

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: 10.930 $\pm$ 0.057 χ^2 /NDF:3170.2/19

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

Left In: 10.799 $\pm$ 0.058 χ^2 /NDF:2267.0/18

Left: 10.865 $\pm$ 0.041 χ^2 /NDF: 5439.8/38

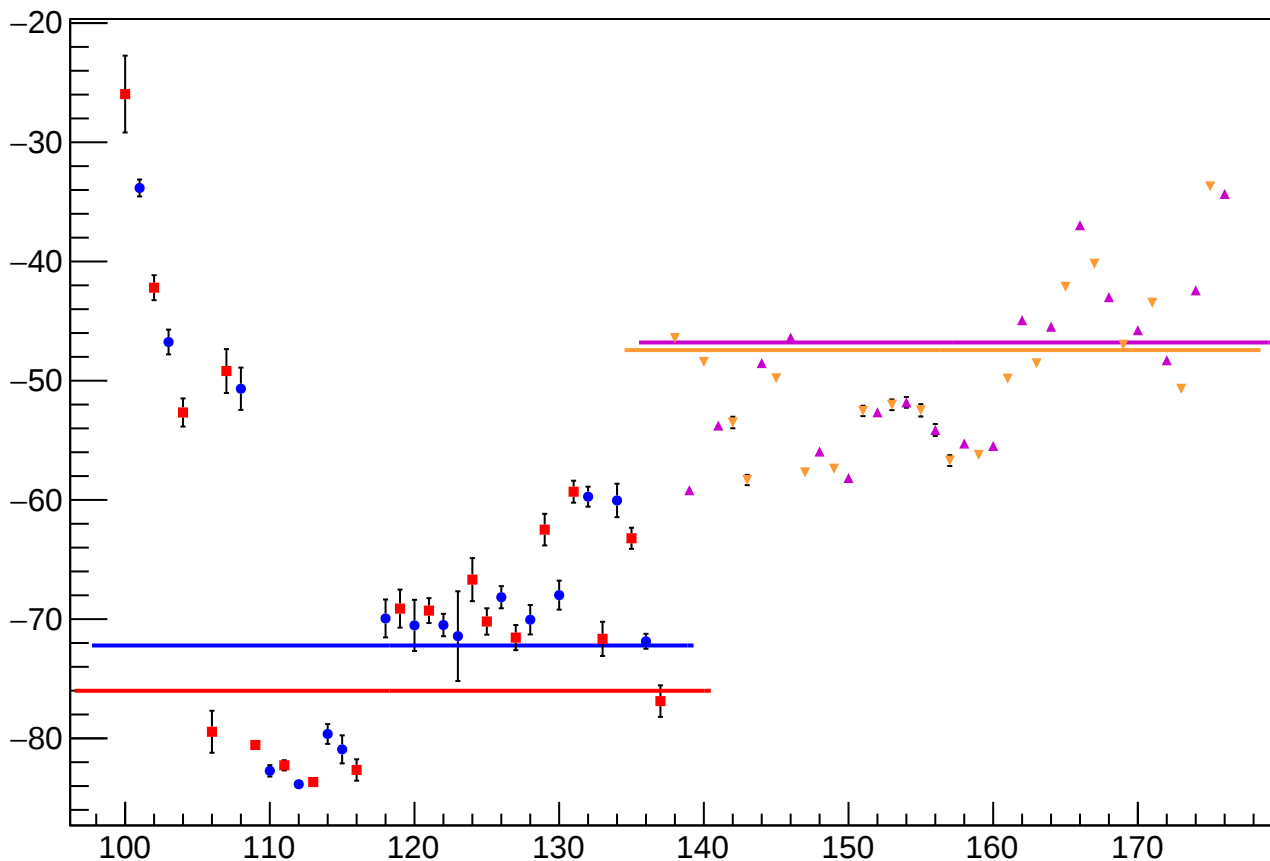
Right: 10.677 $\pm$ 0.083 χ^2 /NDF: 1721.6/35

In: 10.692 $\pm$ 0.052 χ^2 /NDF:3162.0/35

Out: 10.963 $\pm$ 0.051 χ^2 /NDF:3989.7/38

All: 10.829 $\pm$ 0.037 χ^2 /NDF: 7165.5/74

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 $\pm$ 0.198 χ^2 /NDF: 5566.2/16

Left Out: -47.432 $\pm$ 0.077 χ^2 /NDF: 8470.7/19

Right Out: -76.009 $\pm$ 0.181 χ^2 /NDF: 3463.3/18

Left In: -46.793 $\pm$ 0.076 χ^2 /NDF: 8725.2/18

Left: -47.109 $\pm$ 0.054 χ^2 /NDF: 17230.8/38

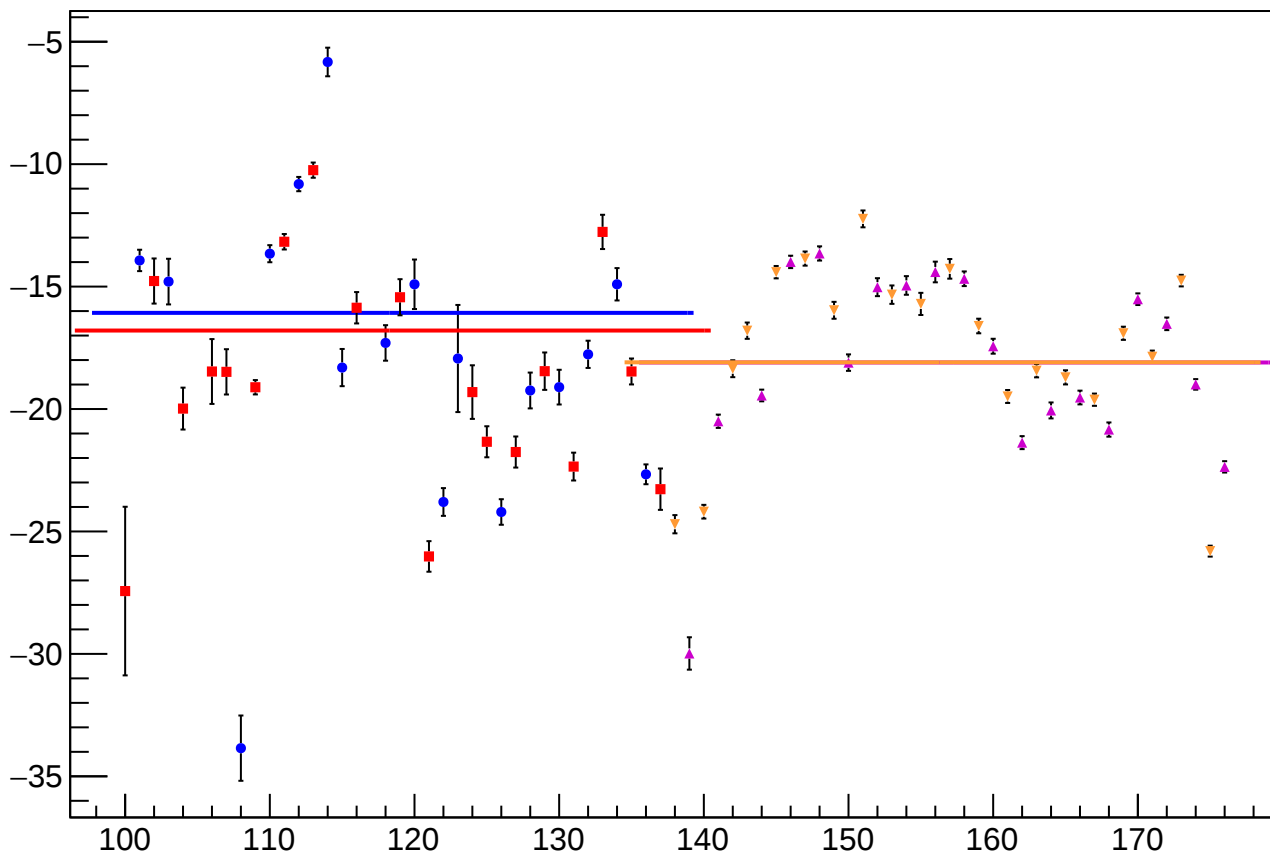
Right: -74.280 $\pm$ 0.134 χ^2 /NDF: 9230.0/35

In: -50.055 $\pm$ 0.071 χ^2 /NDF: 28657.5/35

Out: -51.797 $\pm$ 0.071 χ^2 /NDF: 33057.0/38

All: -50.929 $\pm$ 0.050 χ^2 /NDF: 62016.9/74

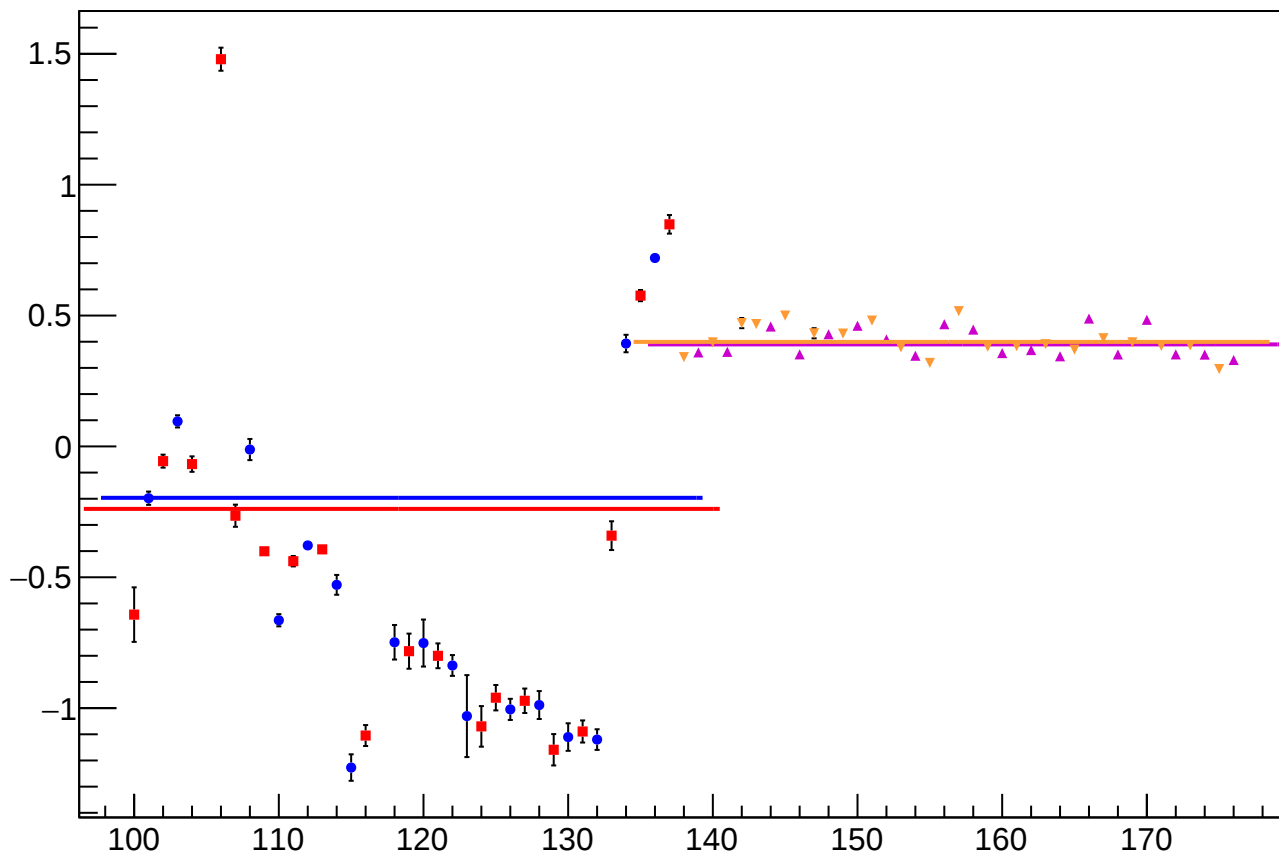
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$
 Left Out: -18.093 ± 0.065 $\chi^2/\text{NDF}: 3237.2/19$
 Right Out: -16.795 ± 0.128 $\chi^2/\text{NDF}: 1216.0/18$
 Left In: -18.099 ± 0.066 $\chi^2/\text{NDF}: 2094.4/18$

Left: -18.096 ± 0.046 $\chi^2/\text{NDF}: 5331.6/38$
 Right: -16.446 ± 0.092 $\chi^2/\text{NDF}: 2871.9/35$
 In: -17.700 ± 0.059 $\chi^2/\text{NDF}: 3922.7/35$
 Out: -17.825 ± 0.058 $\chi^2/\text{NDF}: 4534.7/38$
 All: -17.763 ± 0.041 $\chi^2/\text{NDF}: 8459.6/74$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.399 ± 0.003 χ^2/NDF : 336.3/19

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

Left In: 0.390 ± 0.003 χ^2/NDF : 342.3/18

Left: 0.394 ± 0.002 χ^2/NDF : 683.7/38

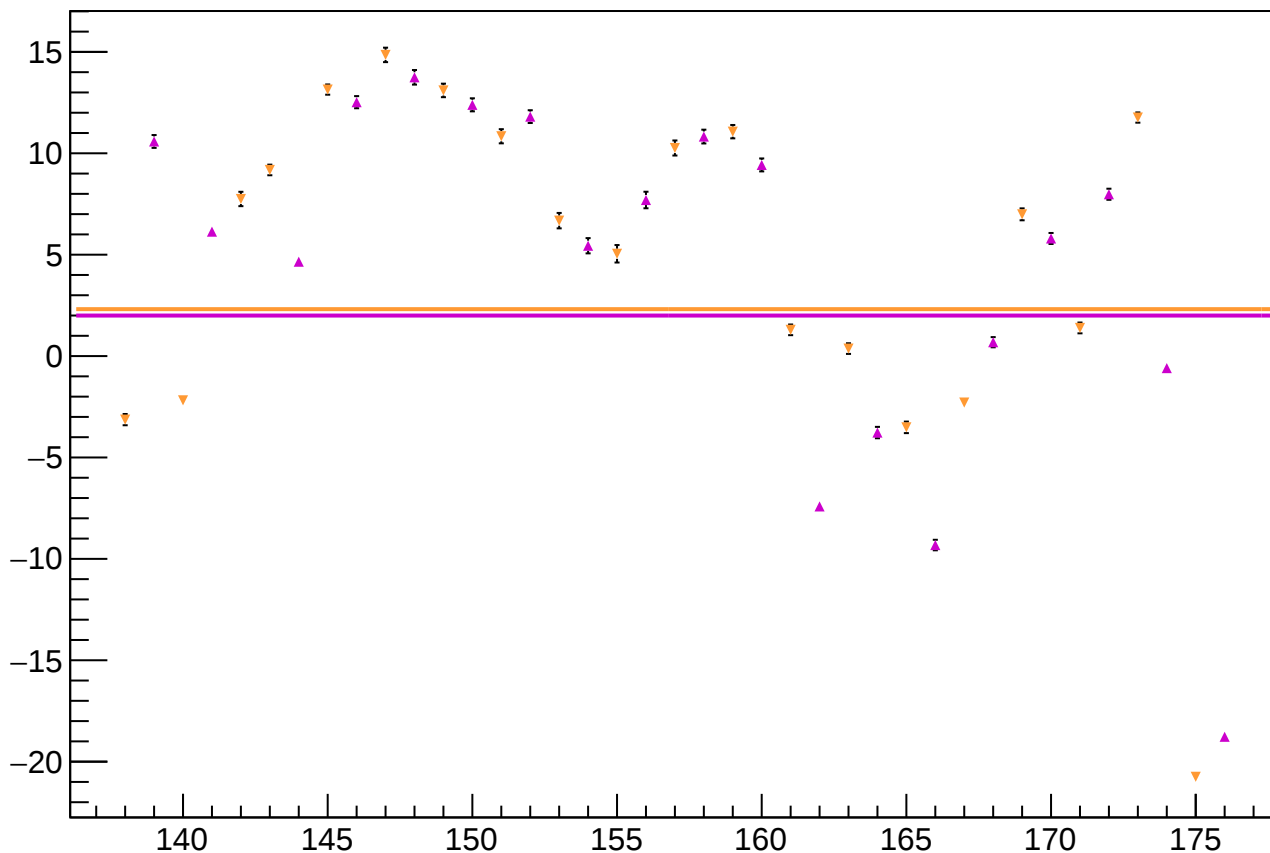
Right: -0.219 ± 0.005 χ^2/NDF : 12528.7/35

In: 0.311 ± 0.003 χ^2/NDF : 11888.1/35

Out: 0.302 ± 0.003 χ^2/NDF : 13219.3/38

All: 0.306 ± 0.002 χ^2/NDF : 25112.2/74

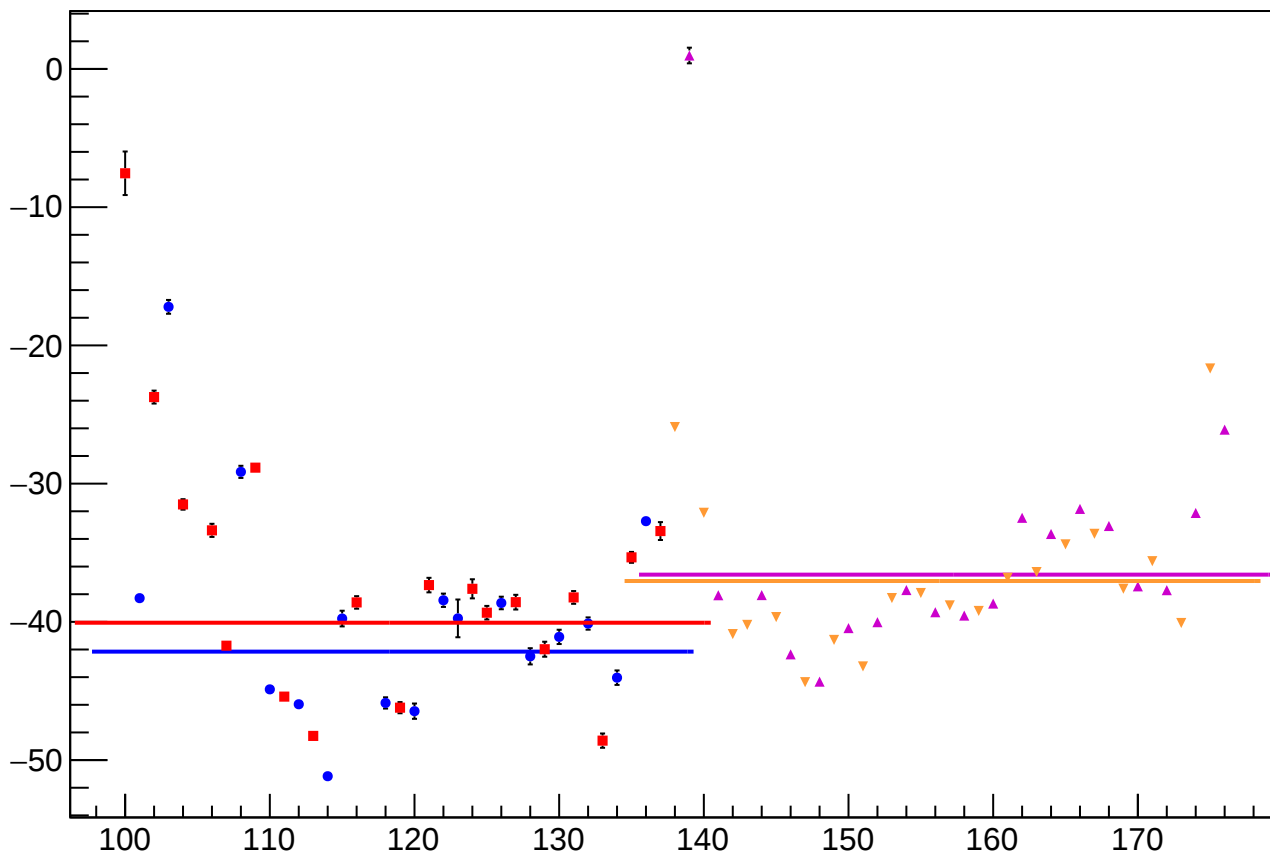
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.314+/-0.063 χ^2/NDF :23930.3/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.999+/-0.064 χ^2/NDF :21227.5/18

Left: 2.158+/-0.045 χ^2/NDF : 45170.2/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.999+/-0.064 χ^2/NDF :21227.5/18
 Out: 2.314+/-0.063 χ^2/NDF :23930.3/19
 All: 2.158+/-0.045 χ^2/NDF : 45170.2/38

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153+/-0.078 χ^2/NDF : 6557.8/16

Left Out: -37.044+/-0.047 χ^2/NDF :13851.6/19

Right Out: -40.062+/-0.073 χ^2/NDF : 11322.2/18

Left In: -36.584+/-0.048 χ^2/NDF :13168.2/18

Left: -36.821+/-0.034 χ^2/NDF : 27066.6/38

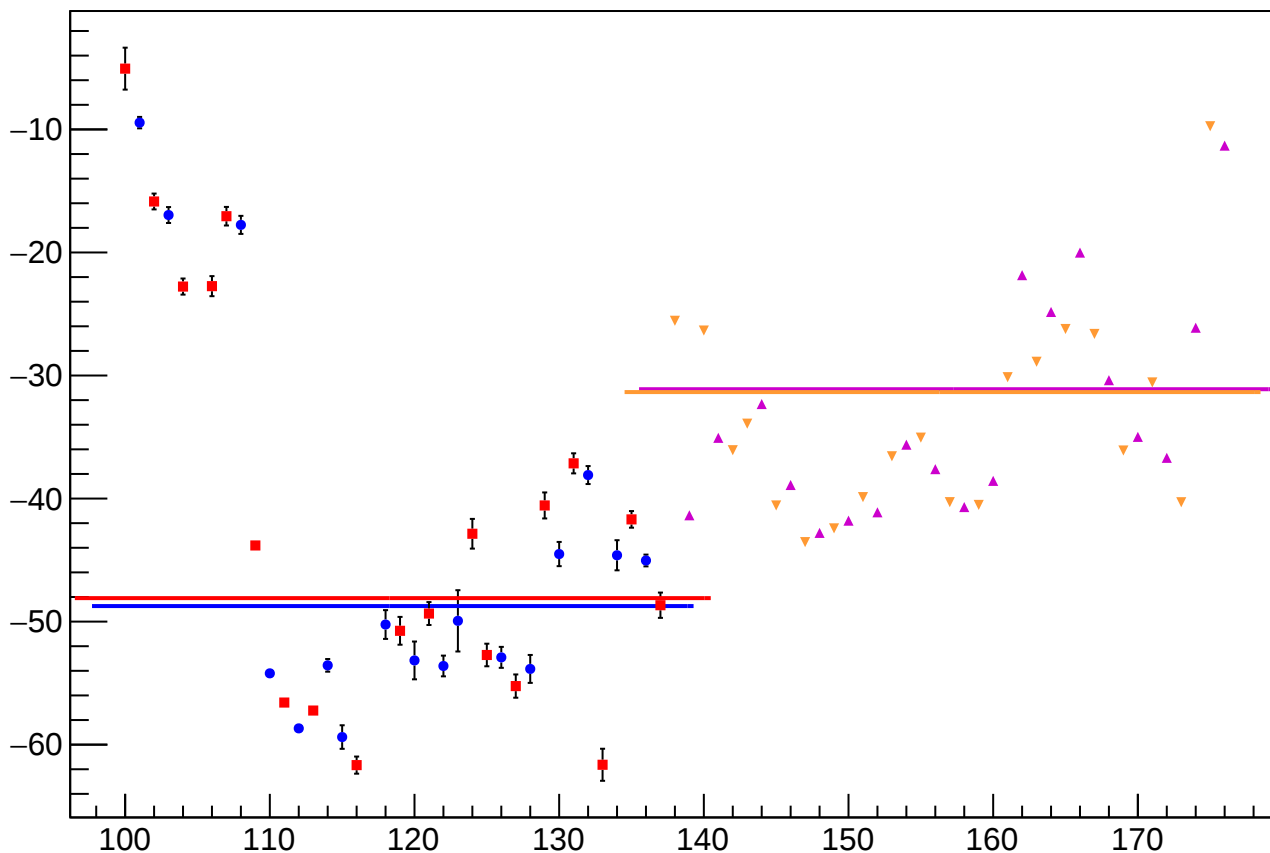
Right: -41.035+/-0.053 χ^2/NDF : 18264.1/35

In: -38.127+/-0.041 χ^2/NDF :23410.0/35

Out: -37.928+/-0.039 χ^2/NDF :26389.7/38

All: -38.023+/-0.028 χ^2/NDF : 49811.8/74

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: -31.346 ± 0.063 $\chi^2/\text{NDF}: 21521.9/19$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

Left In: -31.113 ± 0.063 $\chi^2/\text{NDF}: 21321.0/18$

Left: -31.230 ± 0.045 $\chi^2/\text{NDF}: 42849.7/38$

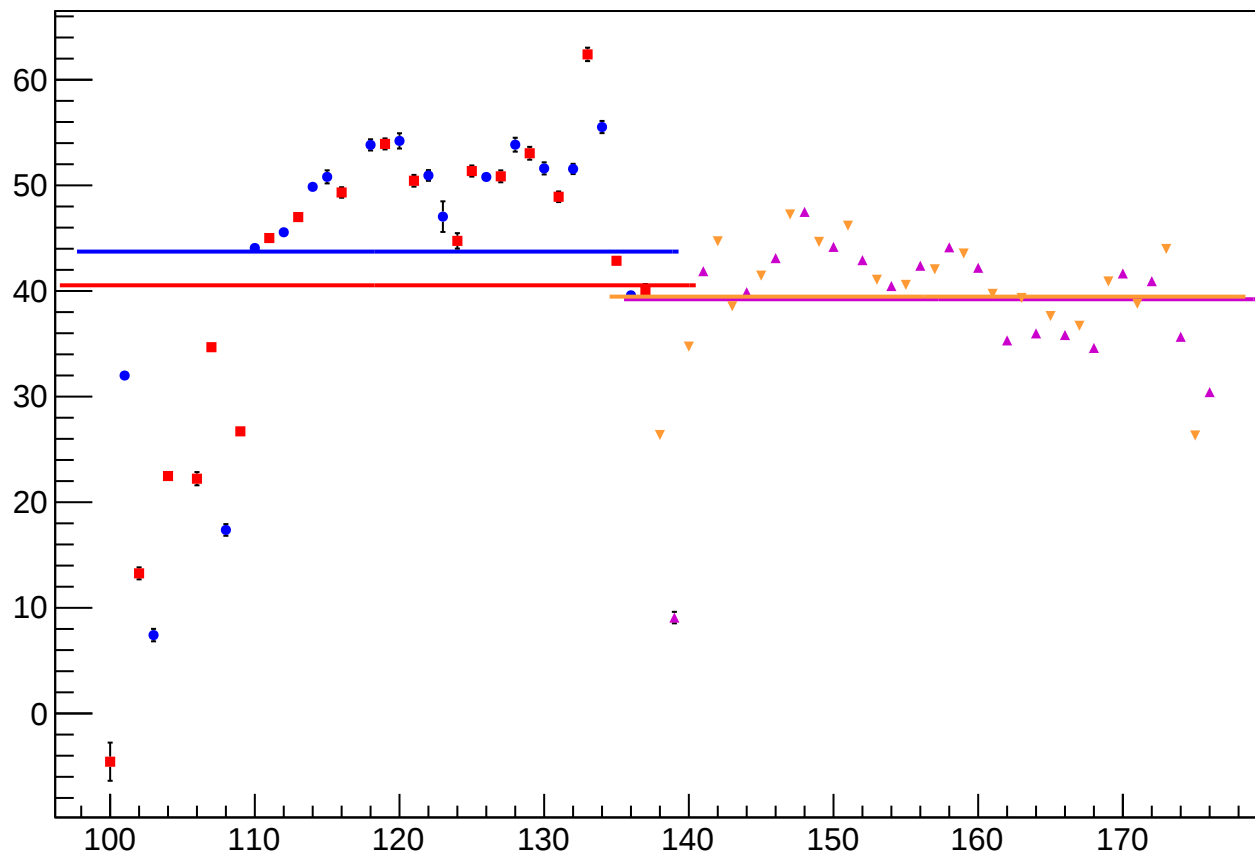
Right: -48.367 ± 0.081 $\chi^2/\text{NDF}: 26406.8/35$

In: -34.742 ± 0.057 $\chi^2/\text{NDF}: 51875.1/35$

Out: -35.658 ± 0.054 $\chi^2/\text{NDF}: 51361.0/38$

All: -35.218 ± 0.039 $\chi^2/\text{NDF}: 103372.5/74$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731+/-0.087 χ^2/NDF : 10567.7/16

Left Out: 39.465+/-0.053 χ^2/NDF :10364.7/19

Right Out: 40.537+/-0.080 χ^2/NDF : 17601.3/18

Left In: 39.218+/-0.055 χ^2/NDF :9245.3/18

Left: 39.345+/-0.038 χ^2/NDF : 19620.5/38

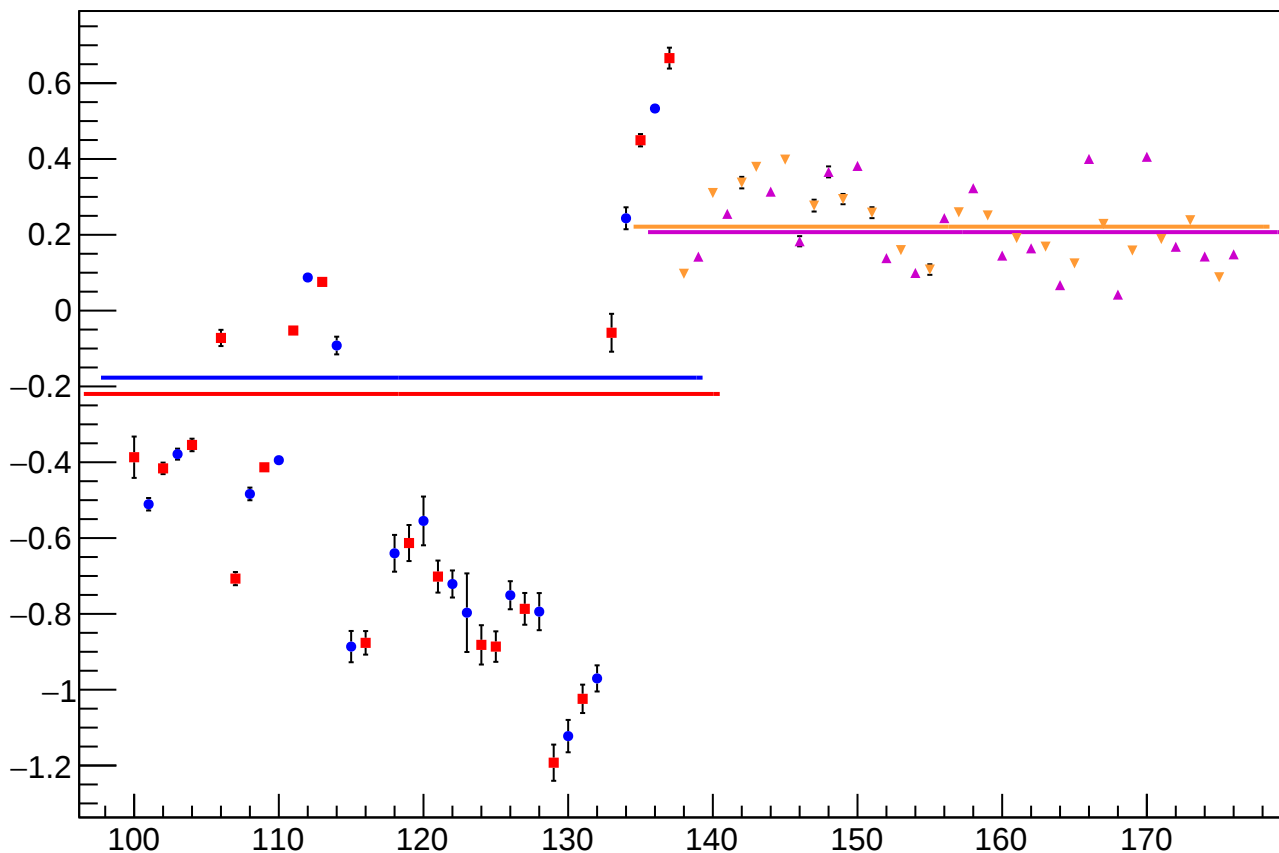
Right: 42.007+/-0.059 χ^2/NDF : 28898.9/35

In: 40.502+/-0.046 χ^2/NDF :21745.0/35

Out: 39.795+/-0.044 χ^2/NDF :28089.7/38

All: 40.135+/-0.032 χ^2/NDF : 49955.7/74

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 $\pm$ 0.005 χ^2 /NDF: 7364.7/16

Left Out: 0.221 $\pm$ 0.002 χ^2 /NDF:1229.7/19

Right Out: -0.220 $\pm$ 0.004 χ^2 /NDF: 7430.4/18

Left In: 0.207 $\pm$ 0.002 χ^2 /NDF:1970.9/18

Left: 0.214 $\pm$ 0.002 χ^2 /NDF: 3217.3/38

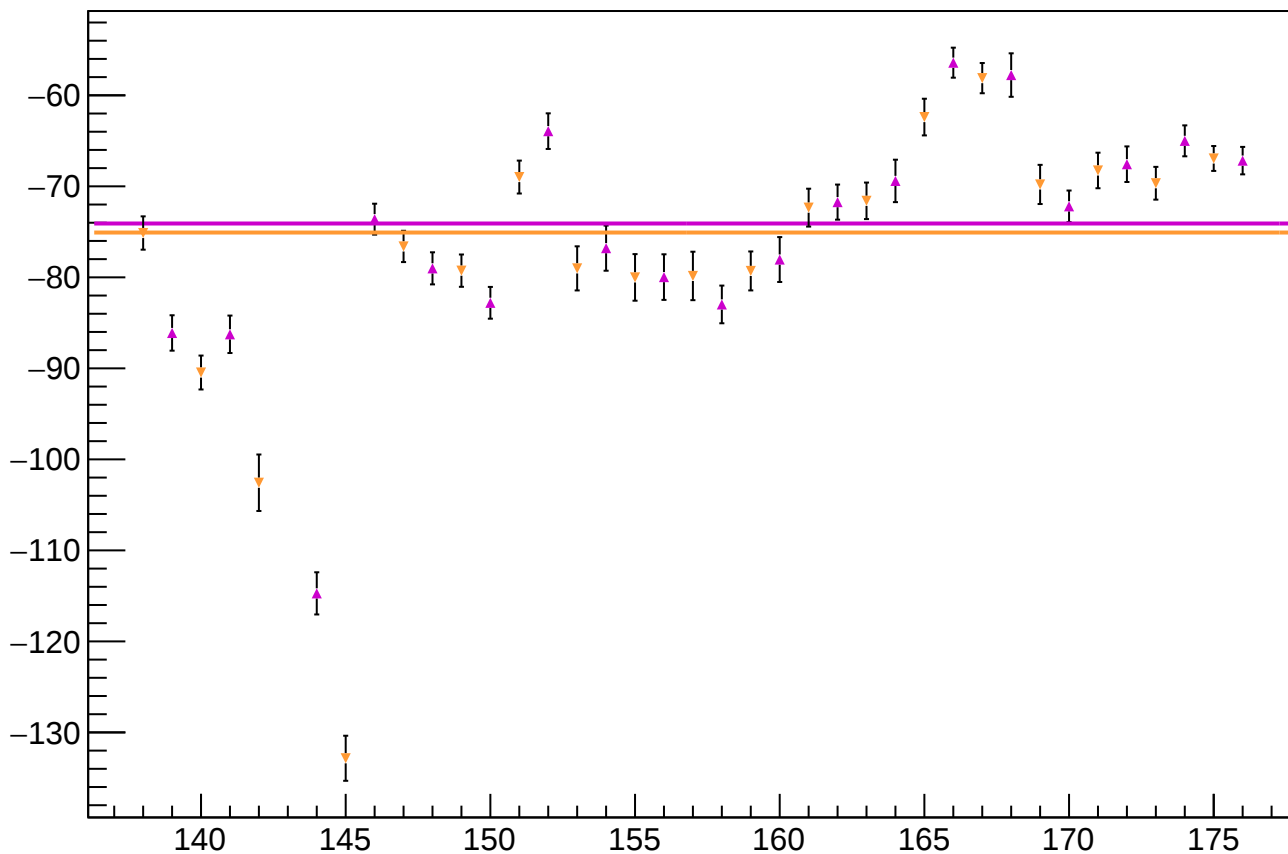
Right: -0.201 $\pm$ 0.003 χ^2 /NDF: 14839.1/35

In: 0.127 $\pm$ 0.002 χ^2 /NDF:14317.0/35

Out: 0.110 $\pm$ 0.002 χ^2 /NDF:16523.3/38

All: 0.118 $\pm$ 0.002 χ^2 /NDF: 30870.4/74

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -75.076+/-0.451 χ^2/NDF :933.6/18

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

Left In: -74.084+/-0.445 χ^2/NDF :696.8/18

Left: -74.574+/-0.317 χ^2/NDF : 1632.9/37

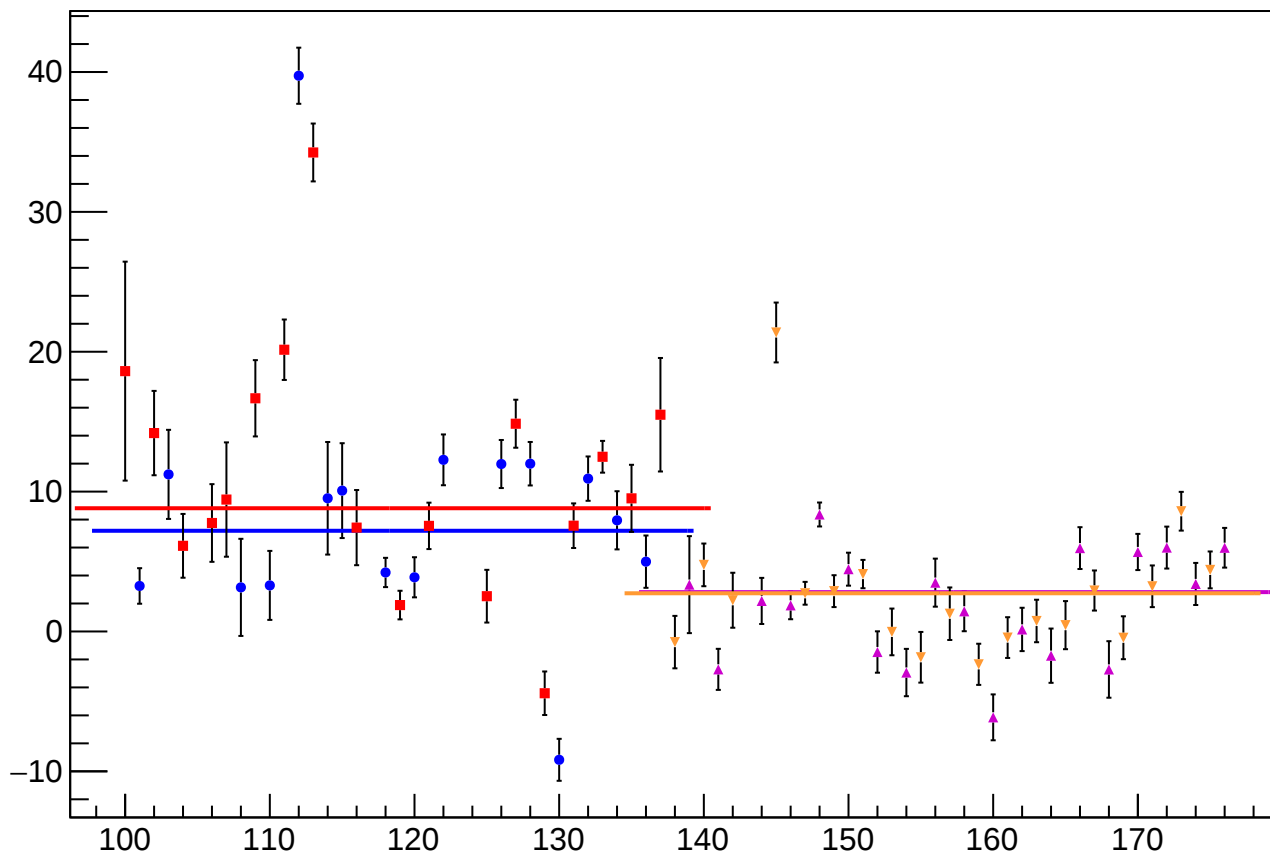
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -74.084+/-0.445 χ^2/NDF :696.8/18

Out: -75.076+/-0.451 χ^2/NDF :933.6/18

All: -74.574+/-0.317 χ^2/NDF : 1632.9/37

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 $\chi^2/\text{NDF}: 443.8/15$

Left Out: 2.731 ± 0.324 $\chi^2/\text{NDF}: 136.9/18$

Right Out: 8.810 ± 0.448 $\chi^2/\text{NDF}: 349.7/17$

Left In: 2.813 ± 0.327 $\chi^2/\text{NDF}: 144.9/18$

Left: 2.772 ± 0.230 $\chi^2/\text{NDF}: 281.8/37$

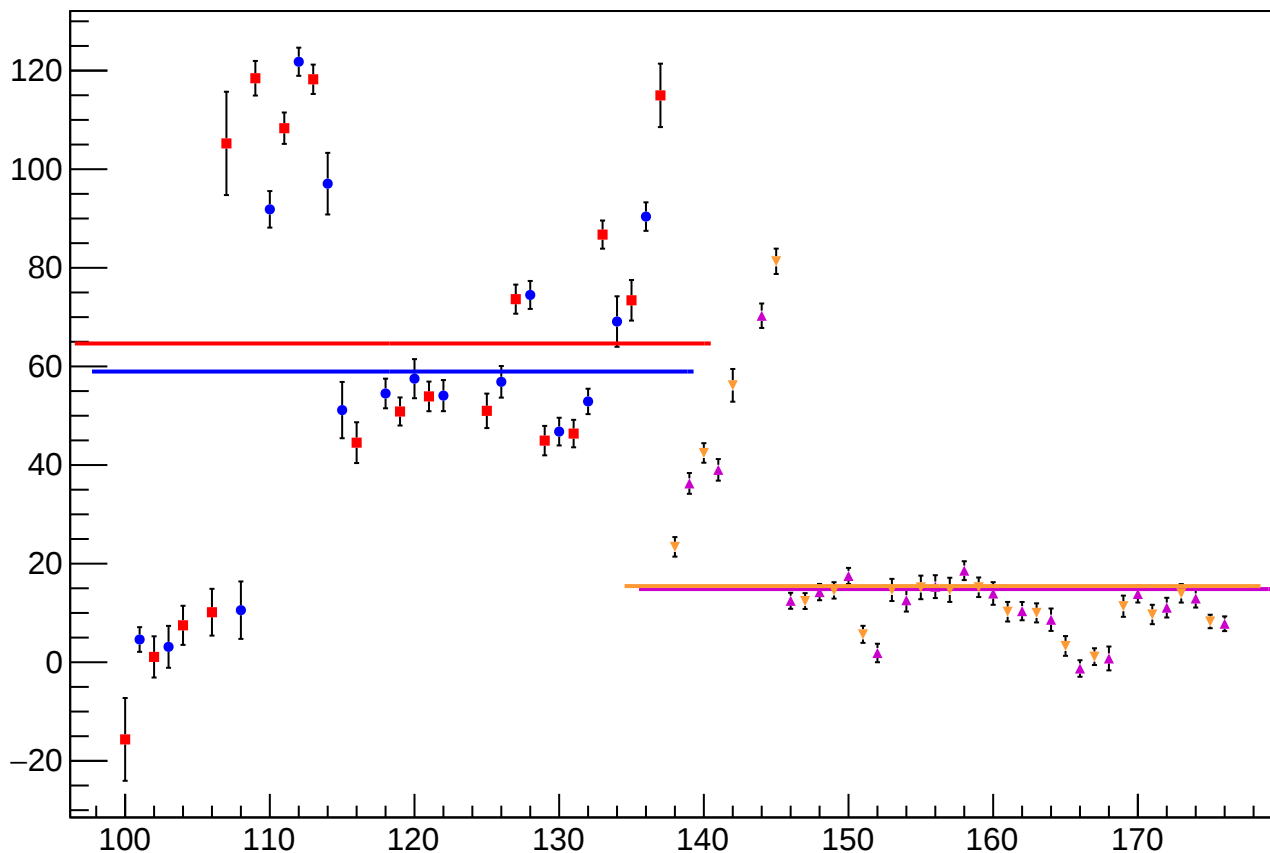
Right: 7.990 ± 0.314 $\chi^2/\text{NDF}: 800.1/33$

In: 4.373 ± 0.262 $\chi^2/\text{NDF}: 652.9/34$

Out: 4.816 ± 0.262 $\chi^2/\text{NDF}: 607.7/36$

All: 4.594 ± 0.185 $\chi^2/\text{NDF}: 1262.0/71$

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: 15.449 $\pm$ 0.445 χ^2 /NDF:1208.1/18

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

Left In: 14.843 $\pm$ 0.440 χ^2 /NDF:949.8/18

Left: 15.142 $\pm$ 0.313 χ^2 /NDF: 2158.8/37

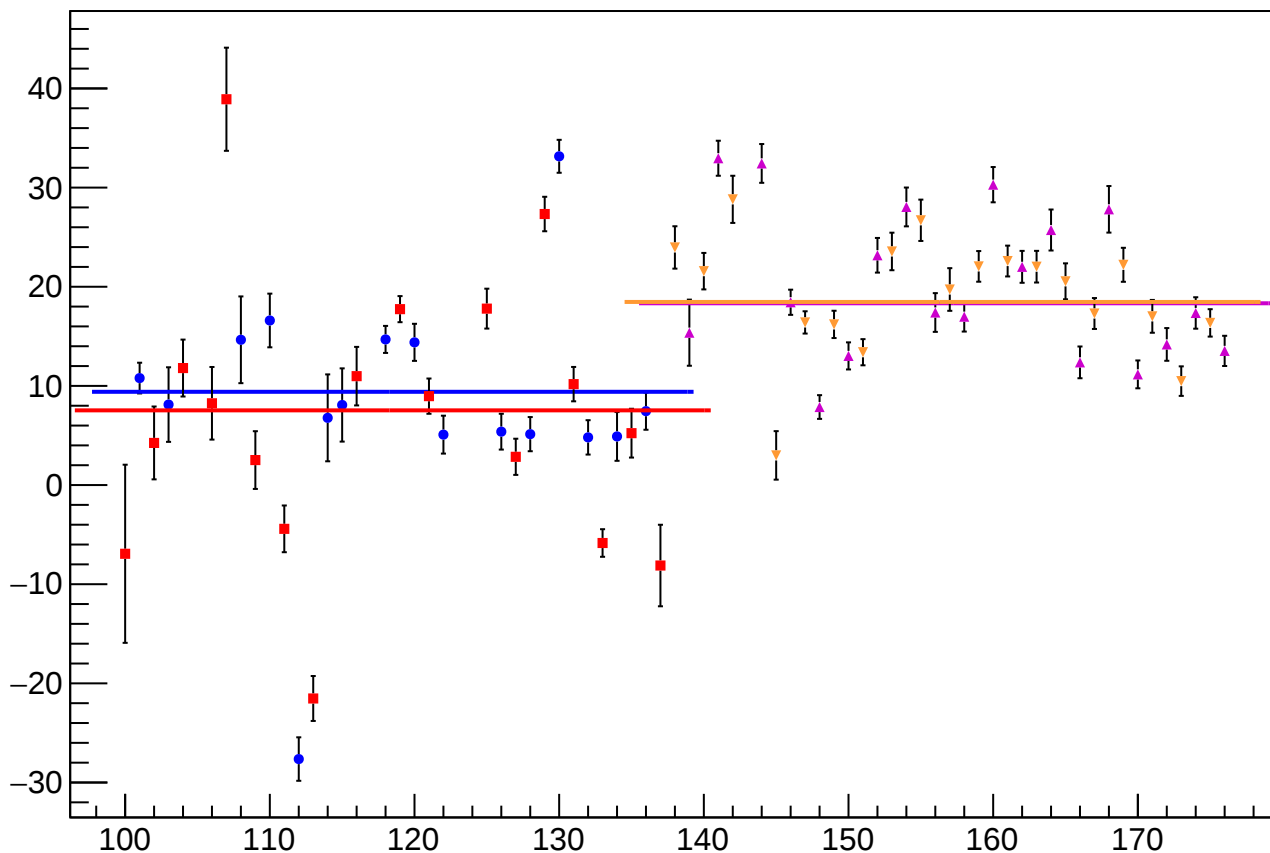
Right: 61.798 $\pm$ 0.593 χ^2 /NDF: 3241.4/33

In: 24.385 $\pm$ 0.389 χ^2 /NDF:4624.0/34

Out: 26.245 $\pm$ 0.393 χ^2 /NDF:5608.4/36

All: 25.305 $\pm$ 0.277 χ^2 /NDF: 10243.7/71

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 18.467 ± 0.375 $\chi^2/\text{NDF}: 168.4/18$

Right Out: 7.533 ± 0.515 $\chi^2/\text{NDF}: 569.8/17$

Left In: 18.333 ± 0.377 $\chi^2/\text{NDF}: 382.4/18$

Left: 18.400 ± 0.266 $\chi^2/\text{NDF}: 550.8/37$

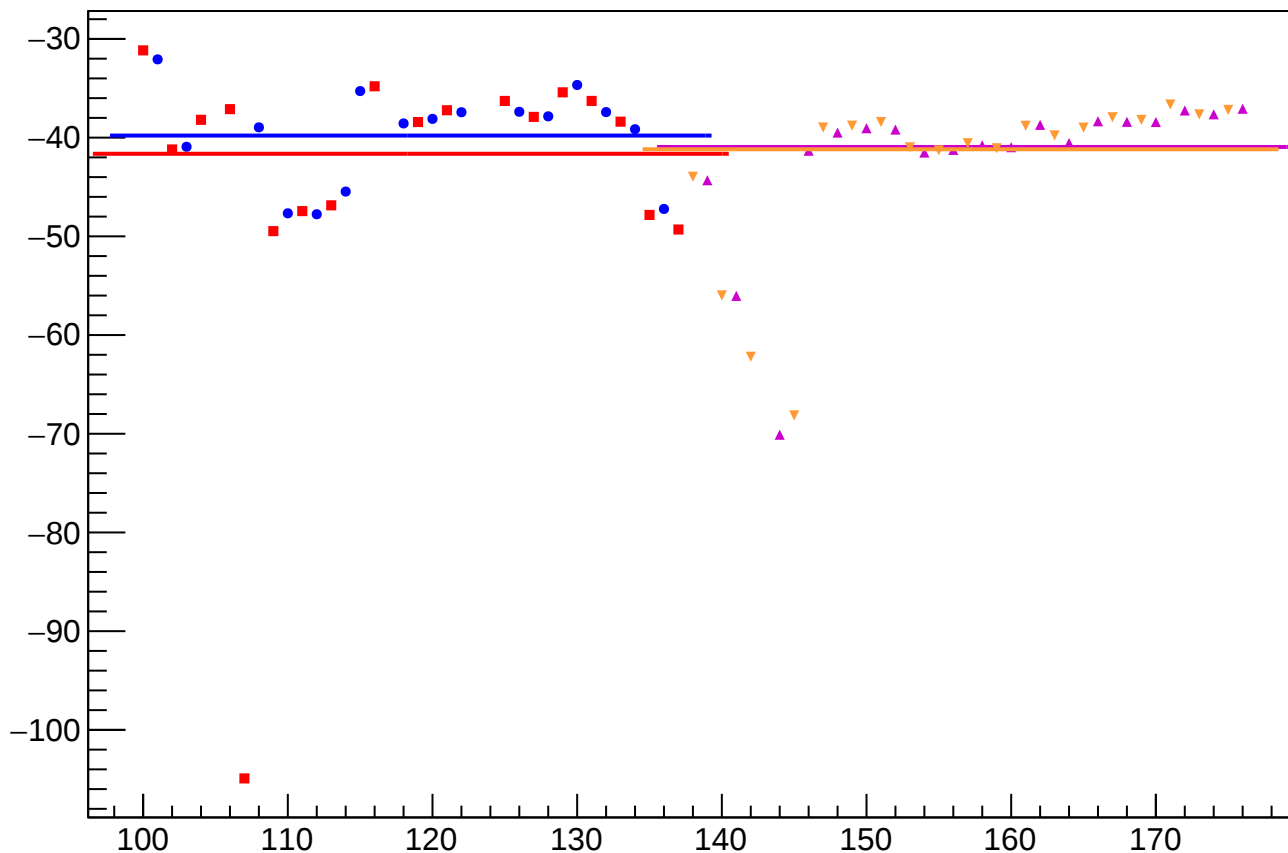
Right: 8.484 ± 0.361 $\chi^2/\text{NDF}: 1126.0/33$

In: 15.150 ± 0.303 $\chi^2/\text{NDF}: 1131.6/34$

Out: 14.673 ± 0.303 $\chi^2/\text{NDF}: 1032.7/36$

All: 14.912 ± 0.214 $\chi^2/\text{NDF}: 2165.6/71$

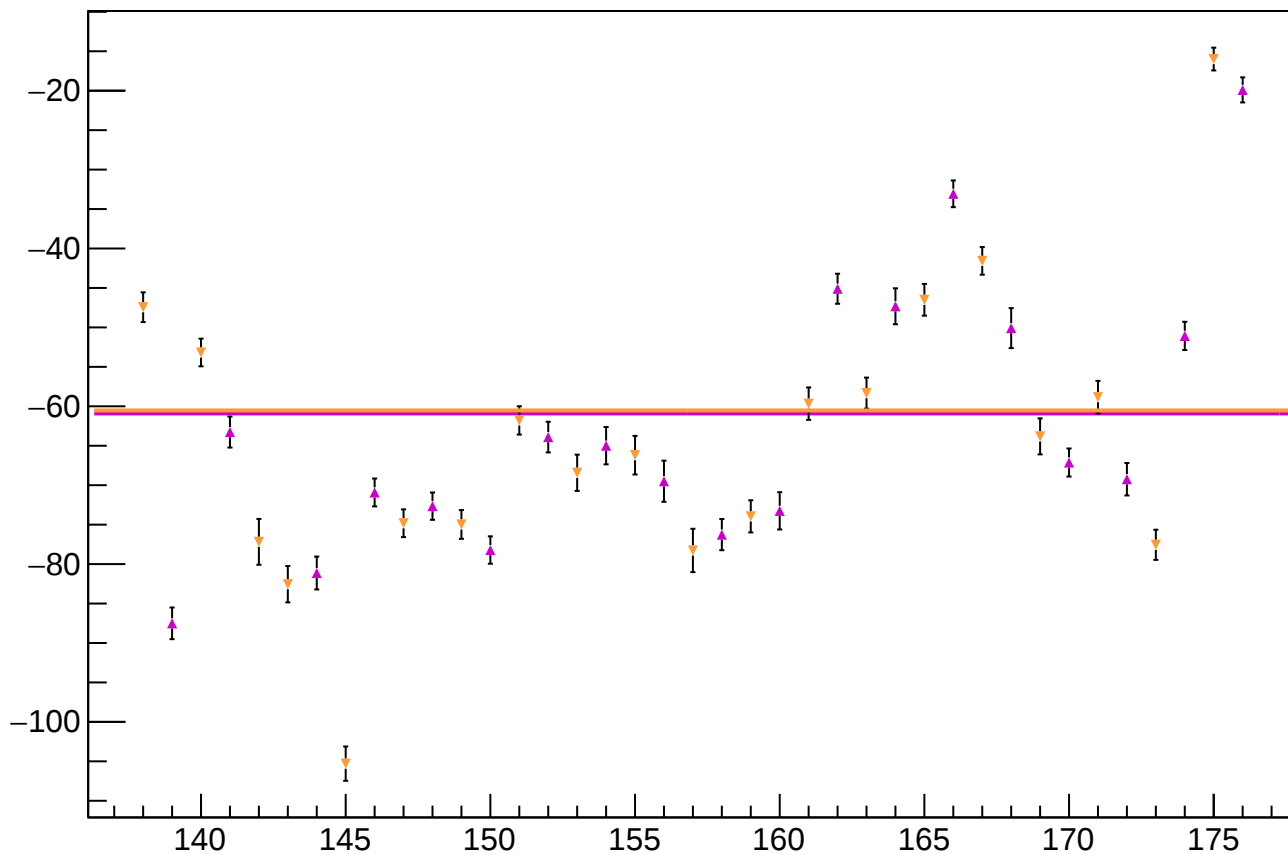
reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 $\chi^2/\text{NDF}: 26138.6/15$
 Left Out: -41.180 ± 0.018 $\chi^2/\text{NDF}: 145190.4/18$
 Right Out: -41.635 ± 0.031 $\chi^2/\text{NDF}: 94393.1/17$
 Left In: -40.946 ± 0.017 $\chi^2/\text{NDF}: 117887.5/18$

Left: -41.060 ± 0.012 $\chi^2/\text{NDF}: 263166.1/37$
 Right: -40.714 ± 0.022 $\chi^2/\text{NDF}: 122277.1/33$
 In: -40.674 ± 0.015 $\chi^2/\text{NDF}: 145071.5/34$
 Out: -41.291 ± 0.015 $\chi^2/\text{NDF}: 239744.5/36$
 All: -40.977 ± 0.011 $\chi^2/\text{NDF}: 385629.9/71$

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -60.525+/-0.446 χ^2/NDF :2047.3/19

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

Left In: -60.902+/-0.448 χ^2/NDF :1669.5/18

Left: -60.712+/-0.316 χ^2/NDF : 3717.1/38

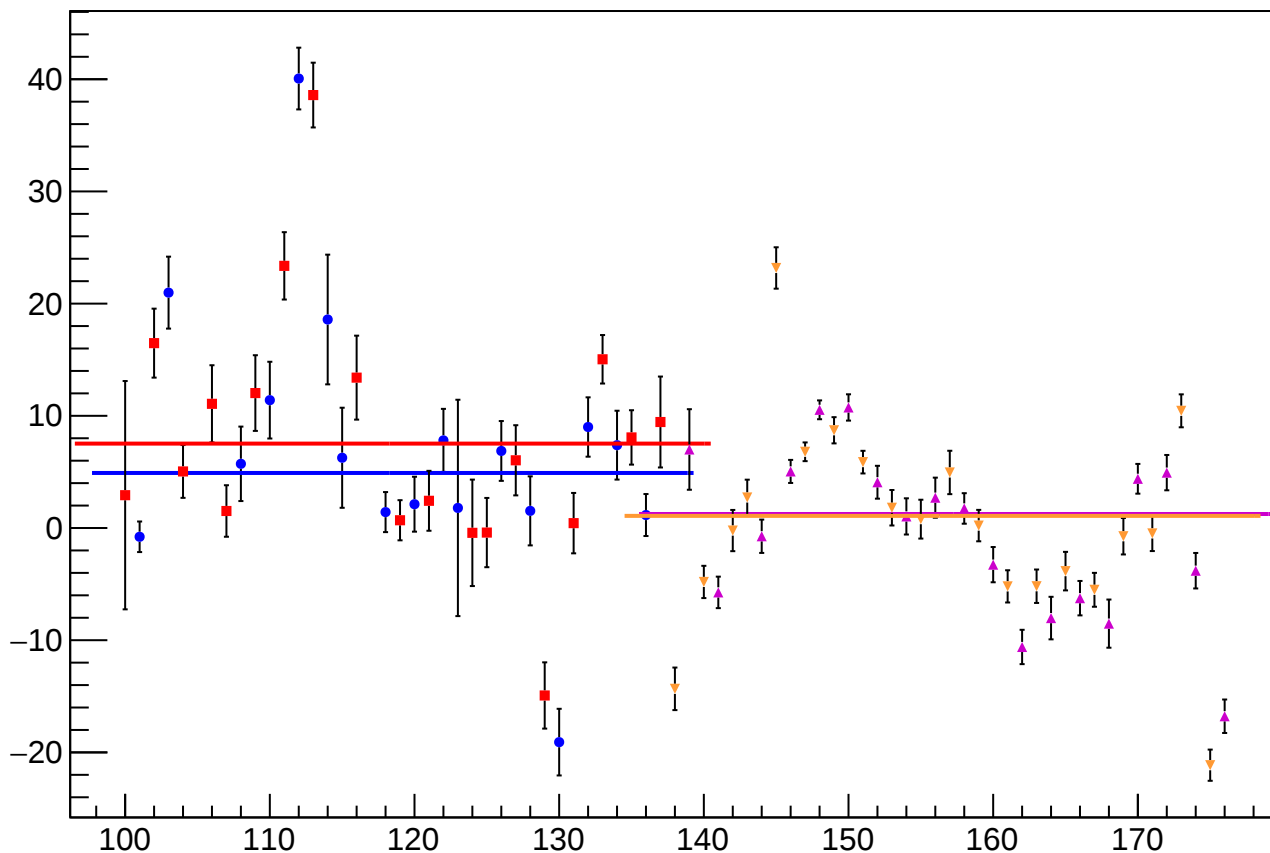
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -60.902+/-0.448 χ^2/NDF :1669.5/18

Out: -60.525+/-0.446 χ^2/NDF :2047.3/19

All: -60.712+/-0.316 χ^2/NDF : 3717.1/38

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 1.082 ± 0.318 $\chi^2/\text{NDF}: 707.0/19$

Right Out: 7.523 ± 0.651 $\chi^2/\text{NDF}: 270.6/18$

Left In: 1.249 ± 0.326 $\chi^2/\text{NDF}: 539.6/18$

Left: 1.163 ± 0.228 $\chi^2/\text{NDF}: 1246.7/38$

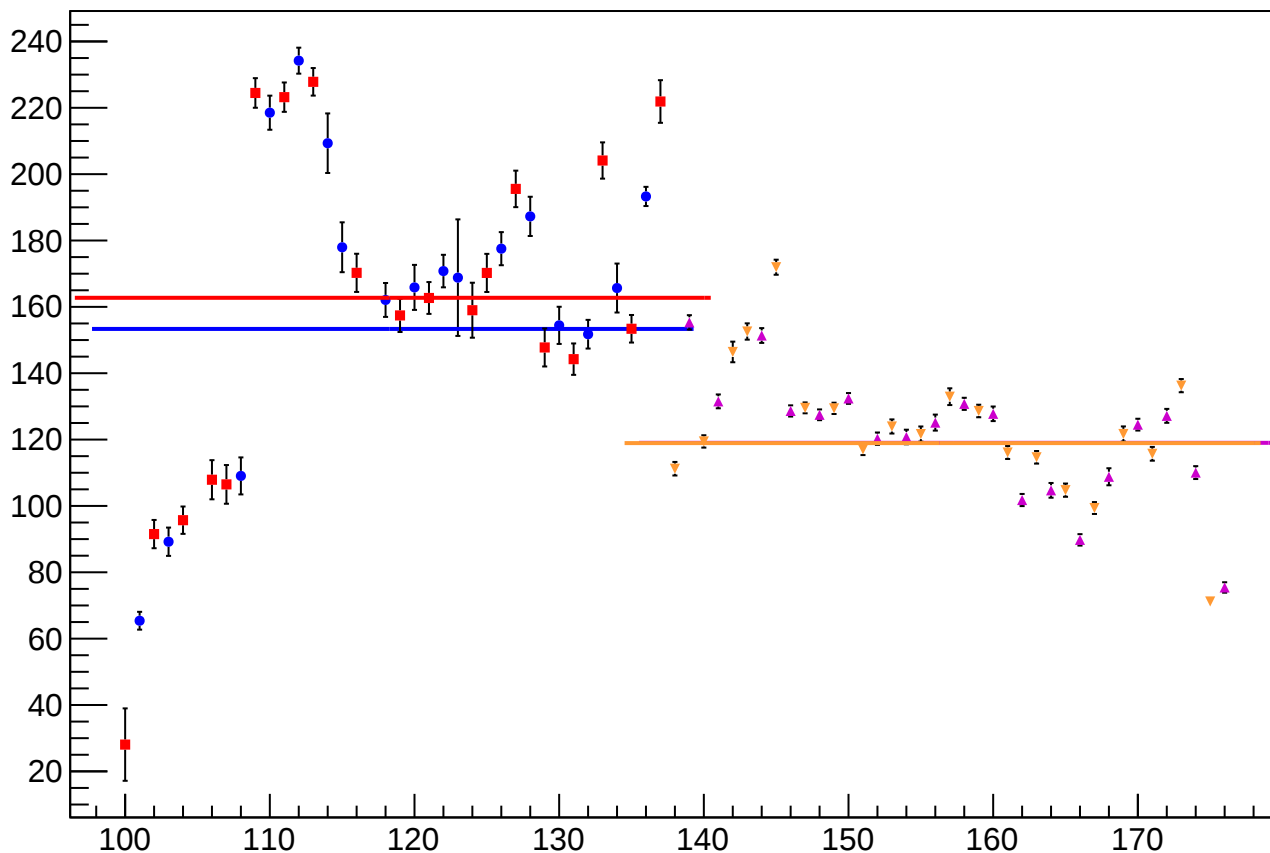
Right: 6.168 ± 0.452 $\chi^2/\text{NDF}: 574.4/35$

In: 2.025 ± 0.289 $\chi^2/\text{NDF}: 861.7/35$

Out: 2.324 ± 0.286 $\chi^2/\text{NDF}: 1056.8/38$

All: 2.177 ± 0.203 $\chi^2/\text{NDF}: 1919.0/74$

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: 118.938 $\pm$ 0.441 χ^2 /NDF:2323.1/19

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

Left In: 119.019 $\pm$ 0.442 χ^2 /NDF:1963.5/18

Left: 118.979 $\pm$ 0.312 χ^2 /NDF: 4286.7/38

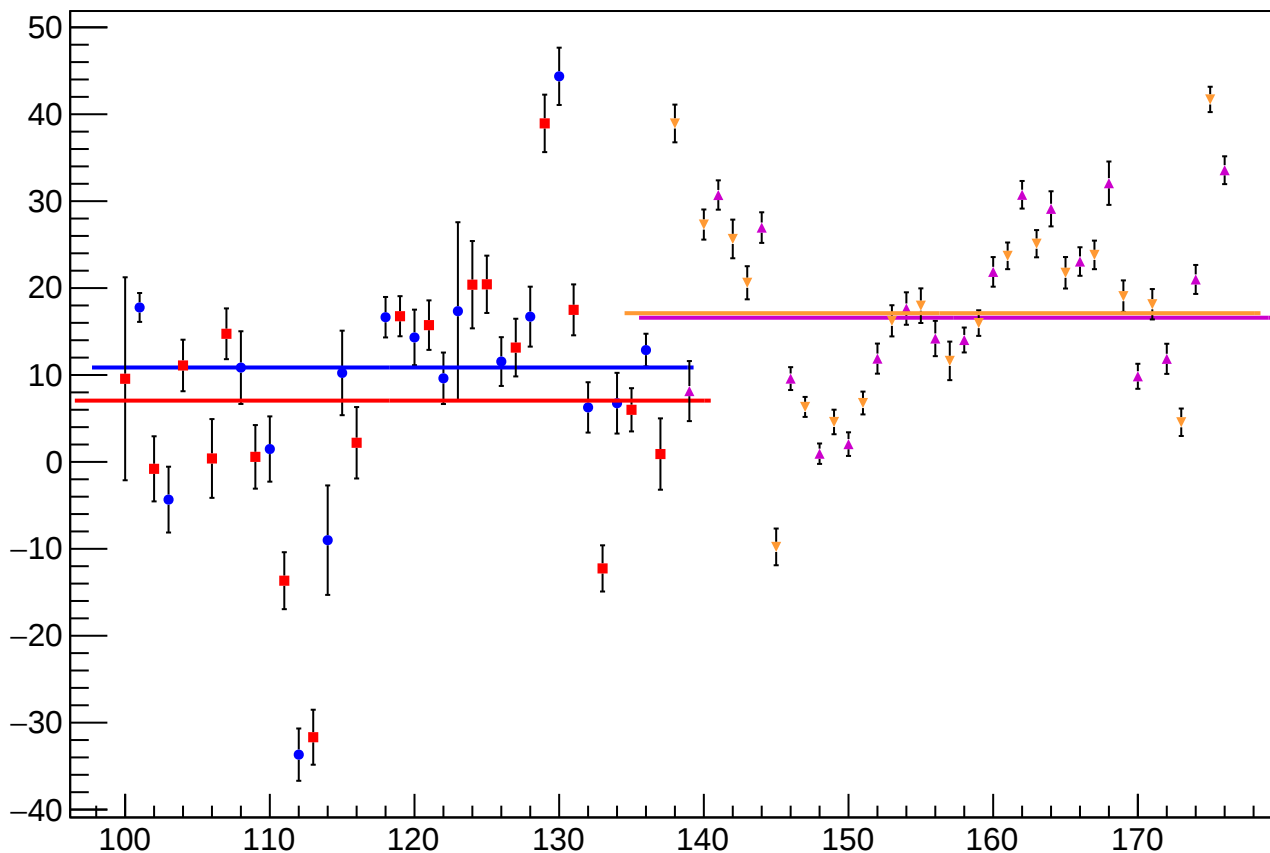
Right: 157.935 $\pm$ 0.823 χ^2 /NDF: 4009.6/35

In: 123.431 $\pm$ 0.412 χ^2 /NDF:5008.2/35

Out: 124.324 $\pm$ 0.413 χ^2 /NDF:5246.4/38

All: 123.877 $\pm$ 0.292 χ^2 /NDF: 10257.0/74

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: 17.111 $\pm$ 0.370 χ^2 /NDF: 968.4/19

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

Left In: 16.589 $\pm$ 0.377 χ^2 /NDF: 773.0/18

Left: 16.855 $\pm$ 0.264 χ^2 /NDF: 1742.4/38

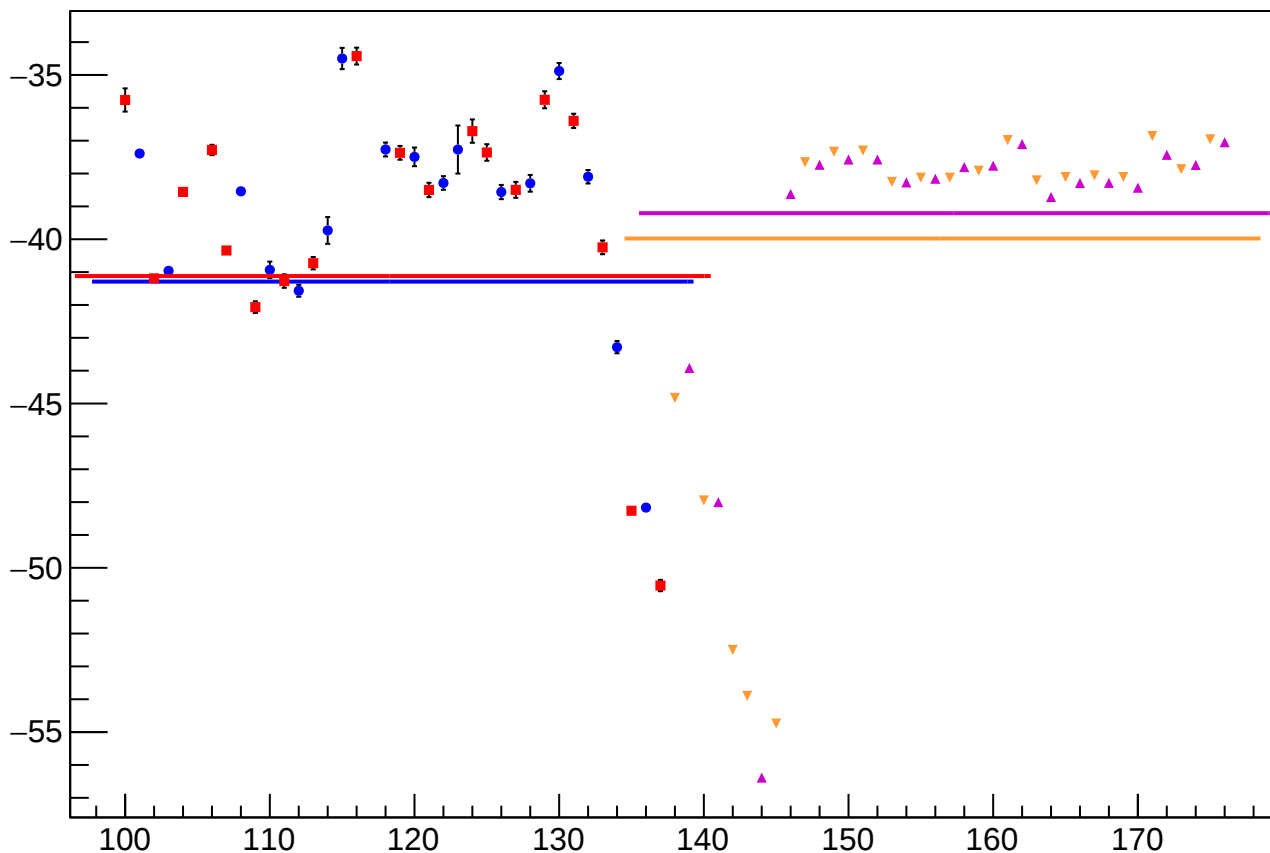
Right: 9.031 $\pm$ 0.518 χ^2 /NDF: 826.1/35

In: 15.355 $\pm$ 0.334 χ^2 /NDF: 1210.6/35

Out: 15.135 $\pm$ 0.331 χ^2 /NDF: 1538.7/38

All: 15.244 $\pm$ 0.235 χ^2 /NDF: 2749.5/74

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: -39.977 ± 0.018 $\chi^2/\text{NDF}: 84579.5/19$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

Left In: -39.206 ± 0.017 $\chi^2/\text{NDF}: 51454.3/18$

Left: -39.588 ± 0.012 $\chi^2/\text{NDF}: 137001.1/38$

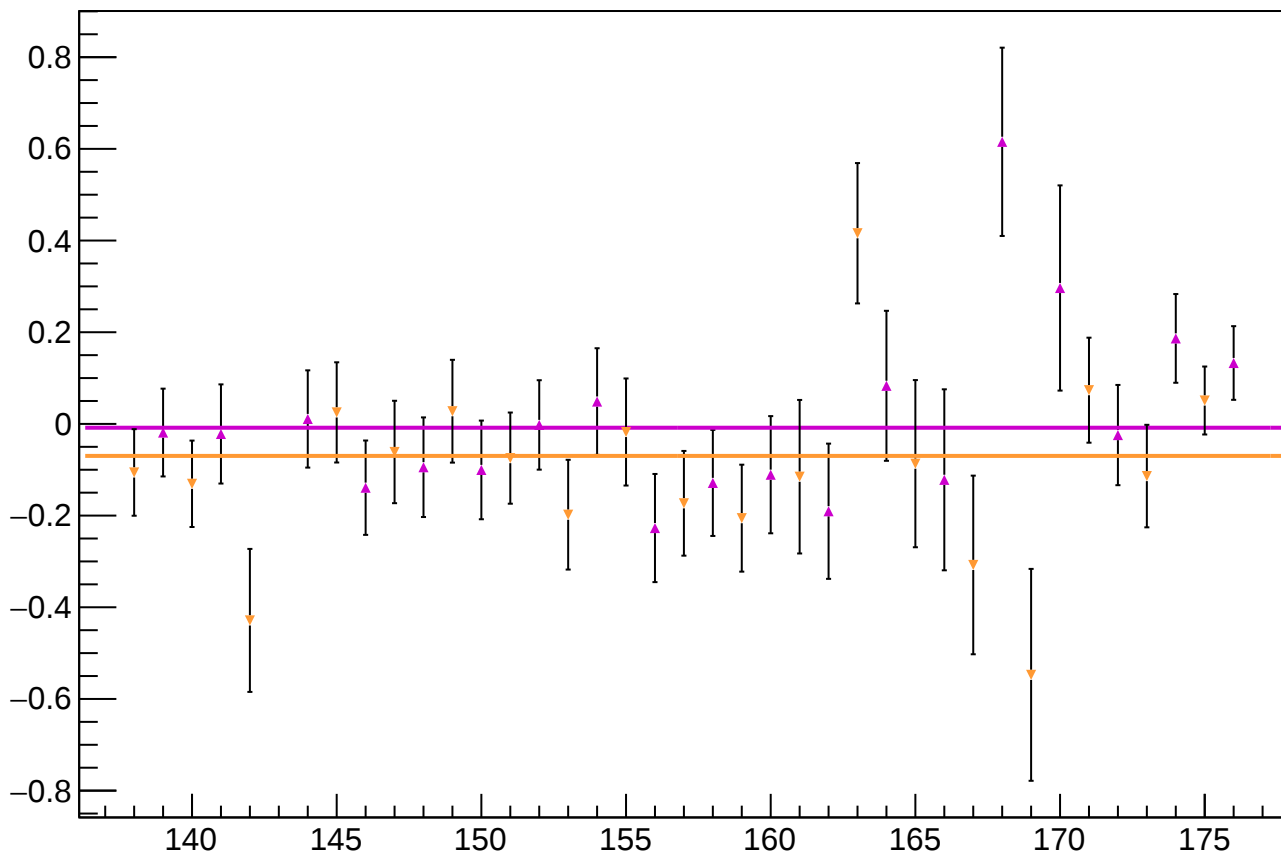
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24629.1/35$

In: -39.559 ± 0.016 $\chi^2/\text{NDF}: 66379.4/35$

Out: -40.173 ± 0.016 $\chi^2/\text{NDF}: 97414.7/38$

All: -39.864 ± 0.011 $\chi^2/\text{NDF}: 164533.8/74$

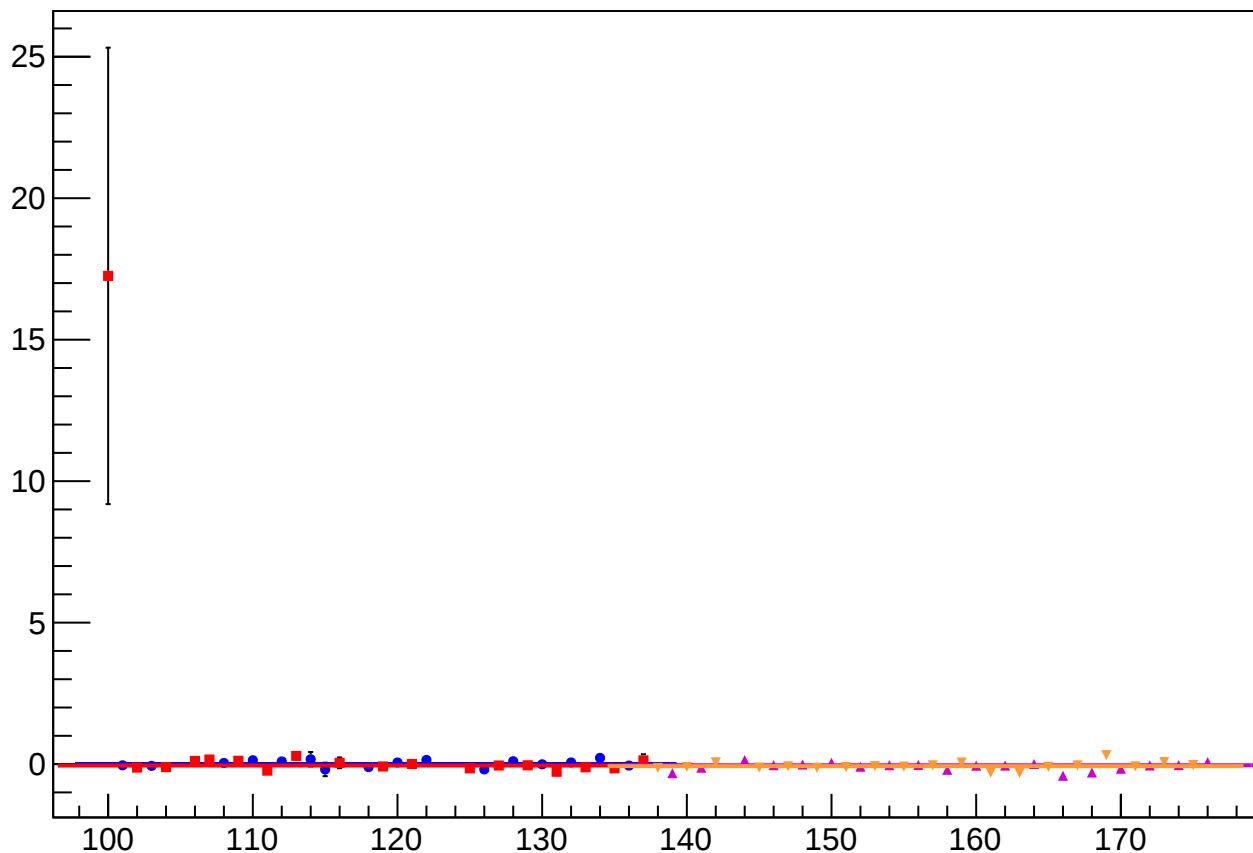
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.070 $\pm$ 0.027 χ^2 /NDF:31.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.008 $\pm$ 0.026 χ^2 /NDF:28.9/18

Left: -0.039 $\pm$ 0.019 χ^2 /NDF: 62.7/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.008 $\pm$ 0.026 χ^2 /NDF:28.9/18
 Out: -0.070 $\pm$ 0.027 χ^2 /NDF:31.2/18
 All: -0.039 $\pm$ 0.019 χ^2 /NDF: 62.7/37

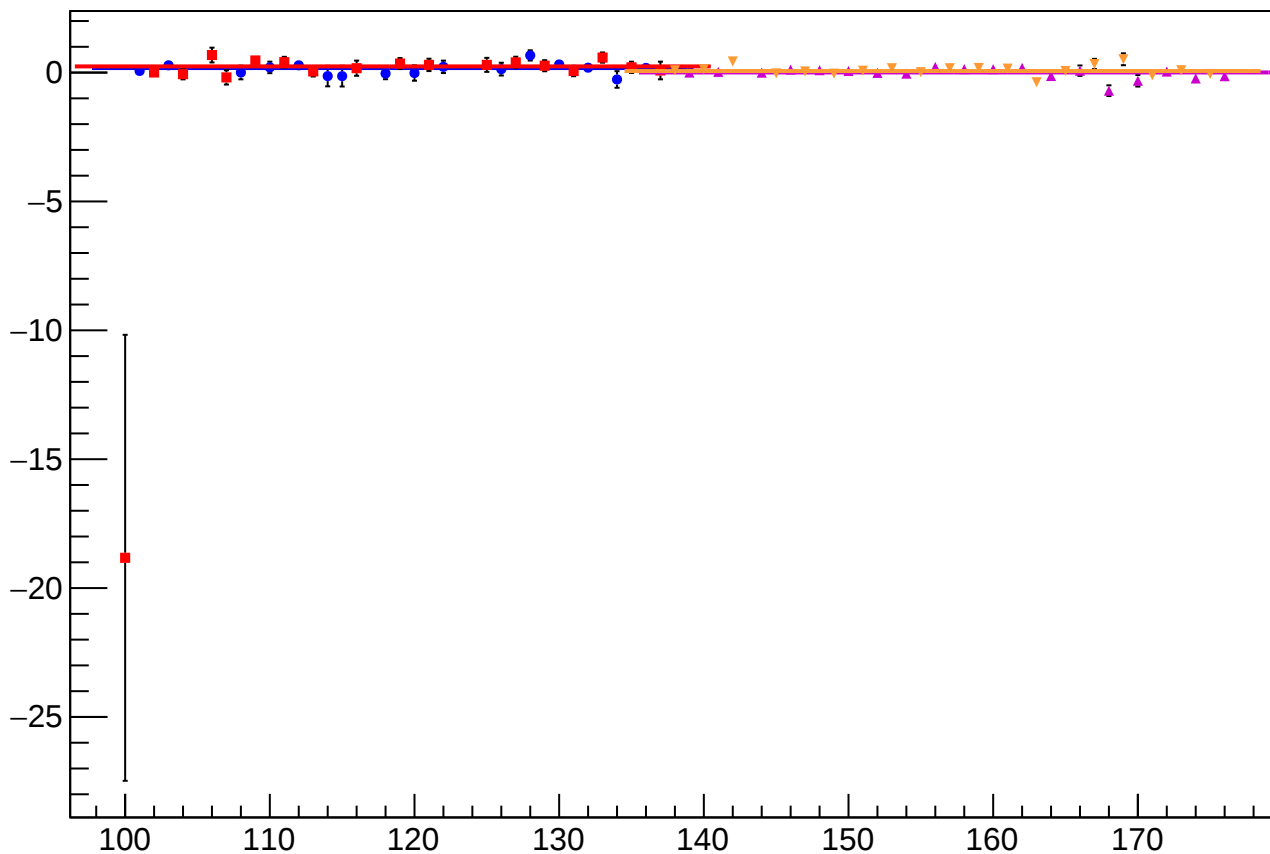
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 $\chi^2/\text{NDF}: 12.4/15$
 Left Out: -0.071 ± 0.019 $\chi^2/\text{NDF}: 23.0/18$
 Right Out: -0.050 ± 0.029 $\chi^2/\text{NDF}: 25.6/17$
 Left In: -0.041 ± 0.019 $\chi^2/\text{NDF}: 25.3/18$

Left: -0.056 ± 0.014 $\chi^2/\text{NDF}: 49.5/37$
 Right: -0.023 ± 0.020 $\chi^2/\text{NDF}: 39.7/33$
 In: -0.027 ± 0.016 $\chi^2/\text{NDF}: 39.4/34$
 Out: -0.065 ± 0.016 $\chi^2/\text{NDF}: 49.0/36$
 All: -0.046 ± 0.011 $\chi^2/\text{NDF}: 91.1/71$

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: 0.060 $\pm$ 0.026 χ^2 /NDF:29.7/18

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

Left In: 0.005 $\pm$ 0.026 χ^2 /NDF:33.4/18

Left: 0.032 $\pm$ 0.019 χ^2 /NDF: 65.3/37

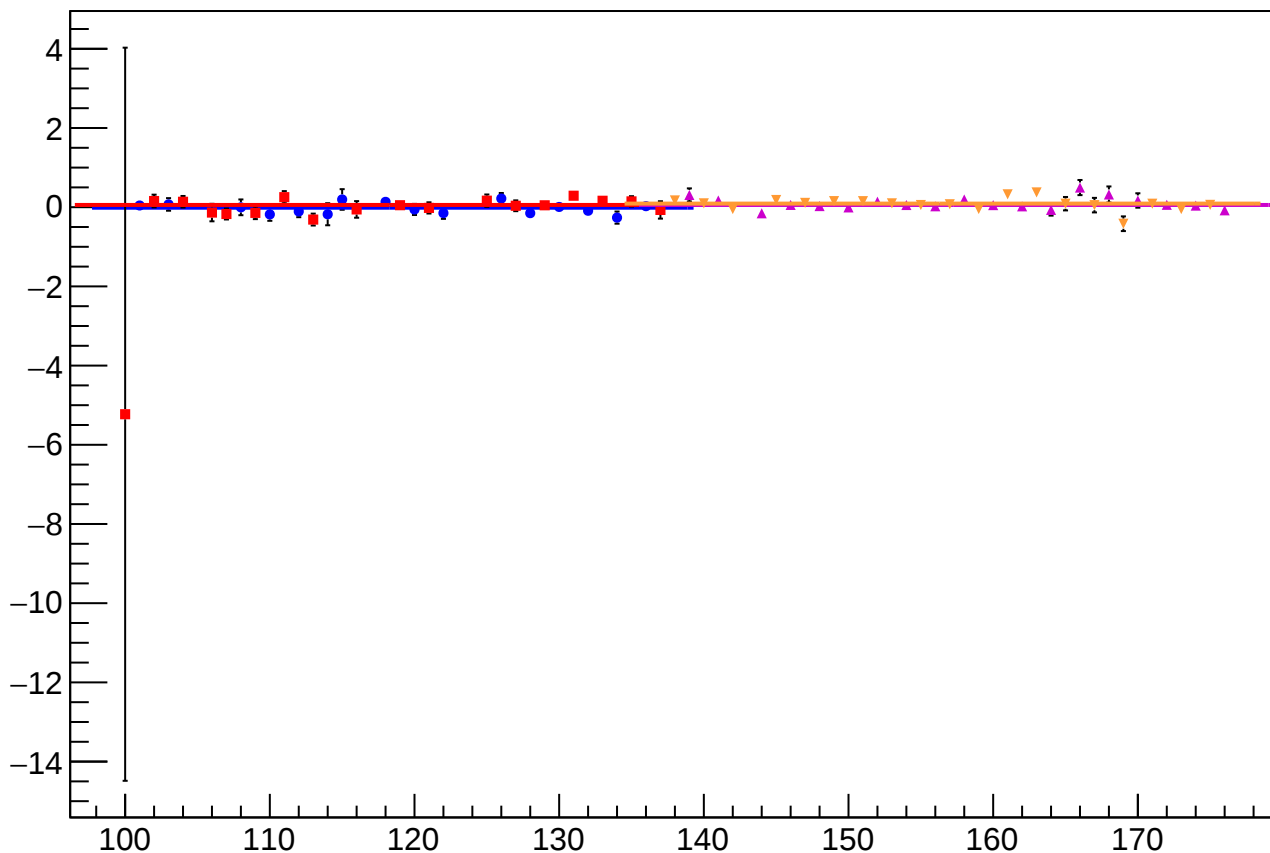
Right: 0.207 $\pm$ 0.038 χ^2 /NDF: 35.3/33

In: 0.039 $\pm$ 0.023 χ^2 /NDF:54.9/34

Out: 0.095 $\pm$ 0.024 χ^2 /NDF:60.3/36

All: 0.066 $\pm$ 0.017 χ^2 /NDF: 118.0/71

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.091 ± 0.023 χ^2/NDF : 25.4/18

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.056 ± 0.022 χ^2/NDF : 24.8/18

Left: 0.073 ± 0.016 χ^2/NDF : 51.4/37

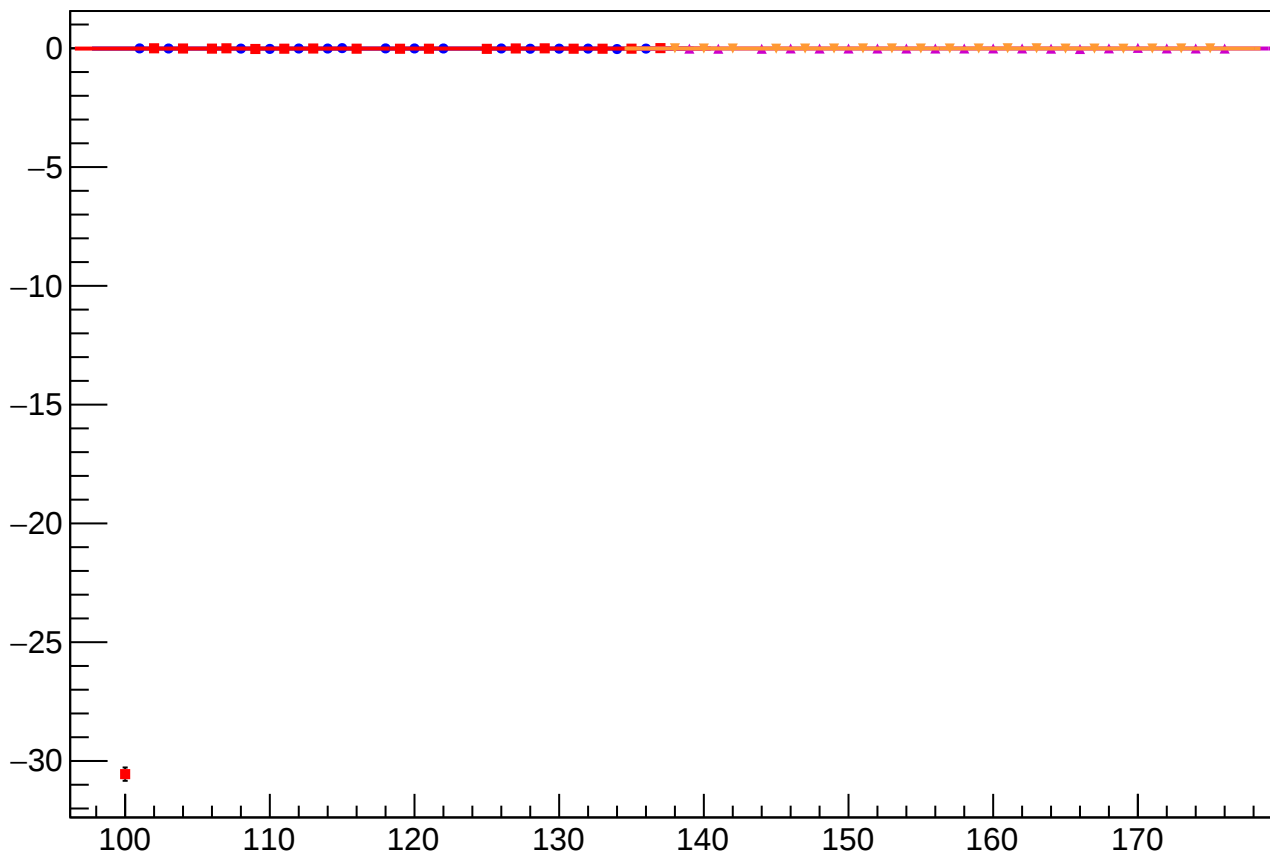
Right: 0.021 ± 0.024 χ^2/NDF : 36.2/33

In: 0.034 ± 0.019 χ^2/NDF : 41.5/34

Out: 0.080 ± 0.019 χ^2/NDF : 46.4/36

All: 0.057 ± 0.013 χ^2/NDF : 90.9/71

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:15.2/18

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:30.7/18

Left: -0.009 $\pm$ 0.001 χ^2 /NDF: 47.4/37

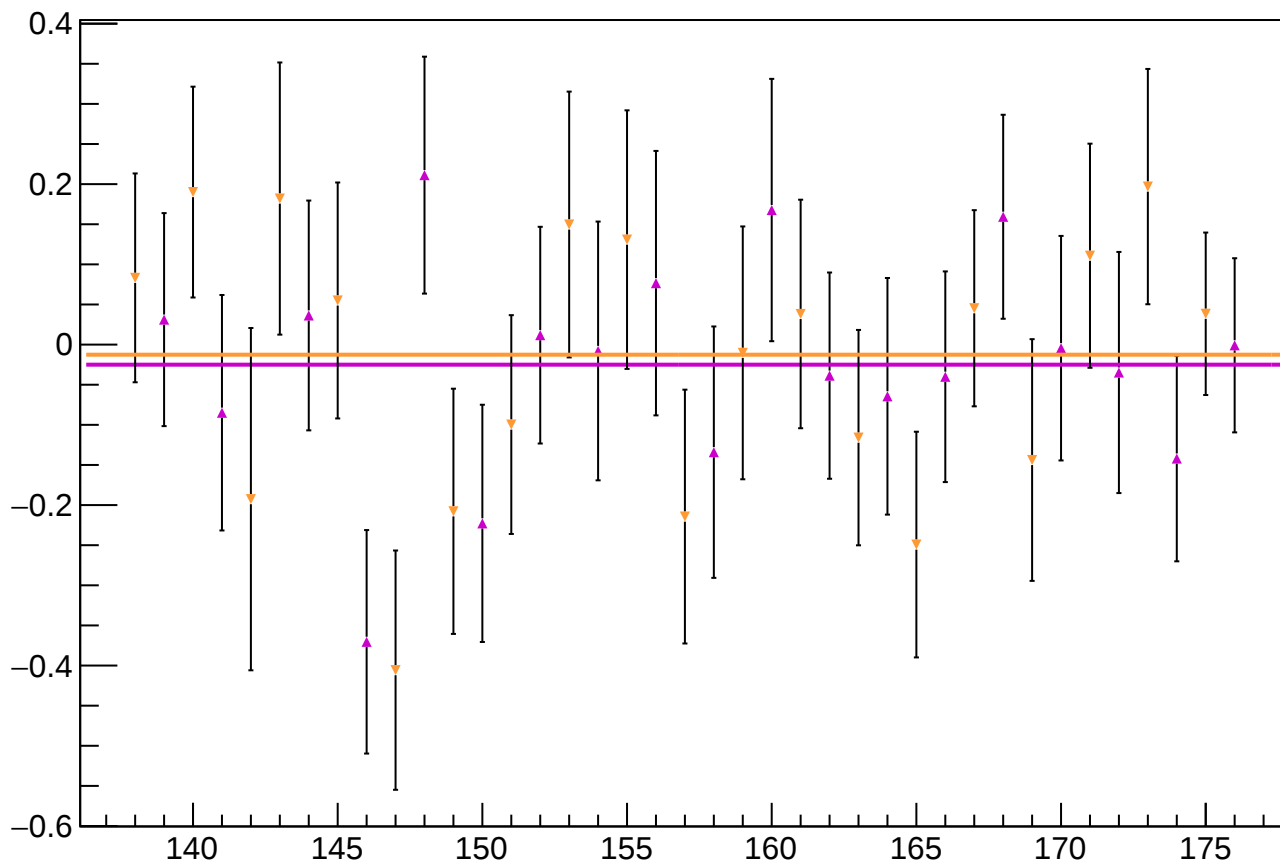
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11904.1/33

In: -0.010 $\pm$ 0.001 χ^2 /NDF:44.5/34

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11910.3/36

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11955.7/71

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: -0.013 $\pm$ 0.032 χ^2 /NDF:25.1/19

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

Left In: -0.025 $\pm$ 0.032 χ^2 /NDF:16.5/18

Left: -0.019 $\pm$ 0.023 χ^2 /NDF: 41.7/38

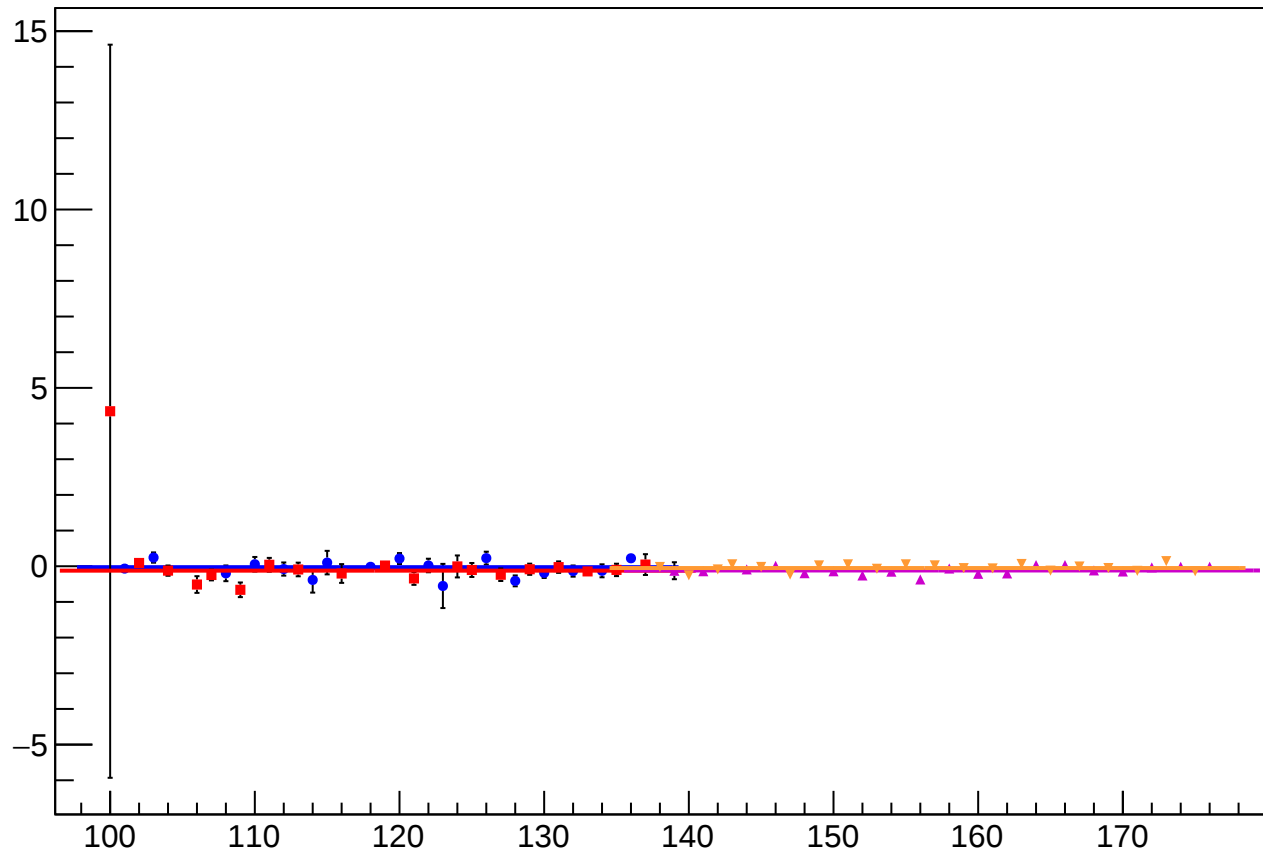
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.025 $\pm$ 0.032 χ^2 /NDF:16.5/18

Out: -0.013 $\pm$ 0.032 χ^2 /NDF:25.1/19

All: -0.019 $\pm$ 0.023 χ^2 /NDF: 41.7/38

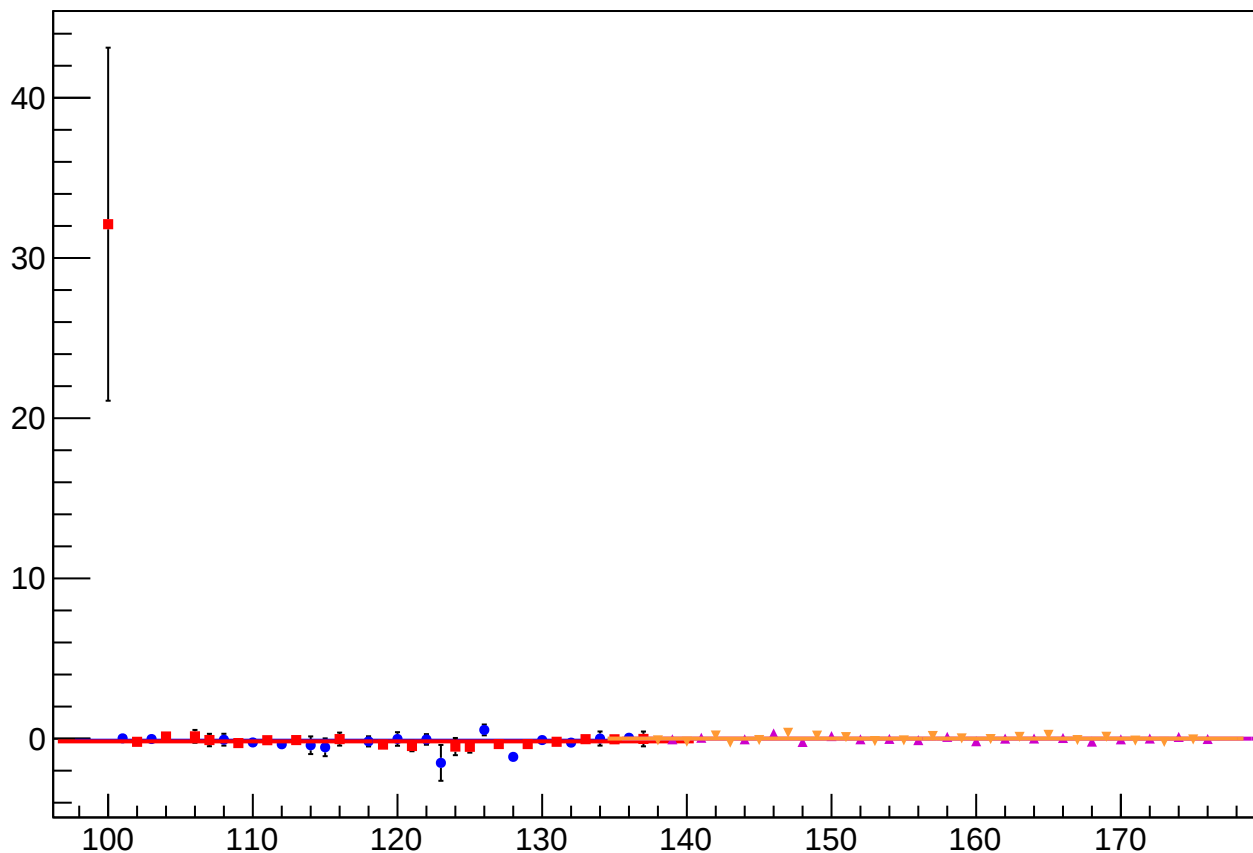
reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 $\chi^2/\text{NDF}: 22.7/16$
 Left Out: -0.051 ± 0.023 $\chi^2/\text{NDF}: 20.8/19$
 Right Out: -0.124 ± 0.039 $\chi^2/\text{NDF}: 18.3/18$
 Left In: -0.119 ± 0.024 $\chi^2/\text{NDF}: 18.0/18$

Left: -0.084 ± 0.017 $\chi^2/\text{NDF}: 42.9/38$
 Right: -0.072 ± 0.027 $\chi^2/\text{NDF}: 44.3/35$
 In: -0.091 ± 0.020 $\chi^2/\text{NDF}: 45.1/35$
 Out: -0.070 ± 0.020 $\chi^2/\text{NDF}: 41.7/38$
 All: -0.080 ± 0.014 $\chi^2/\text{NDF}: 87.3/74$

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: 0.003 ± 0.032 $\chi^2/\text{NDF}: 24.8/19$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 14.9/18$

Left In: -0.002 ± 0.032 $\chi^2/\text{NDF}: 14.8/18$

Left: 0.001 ± 0.022 $\chi^2/\text{NDF}: 39.7/38$

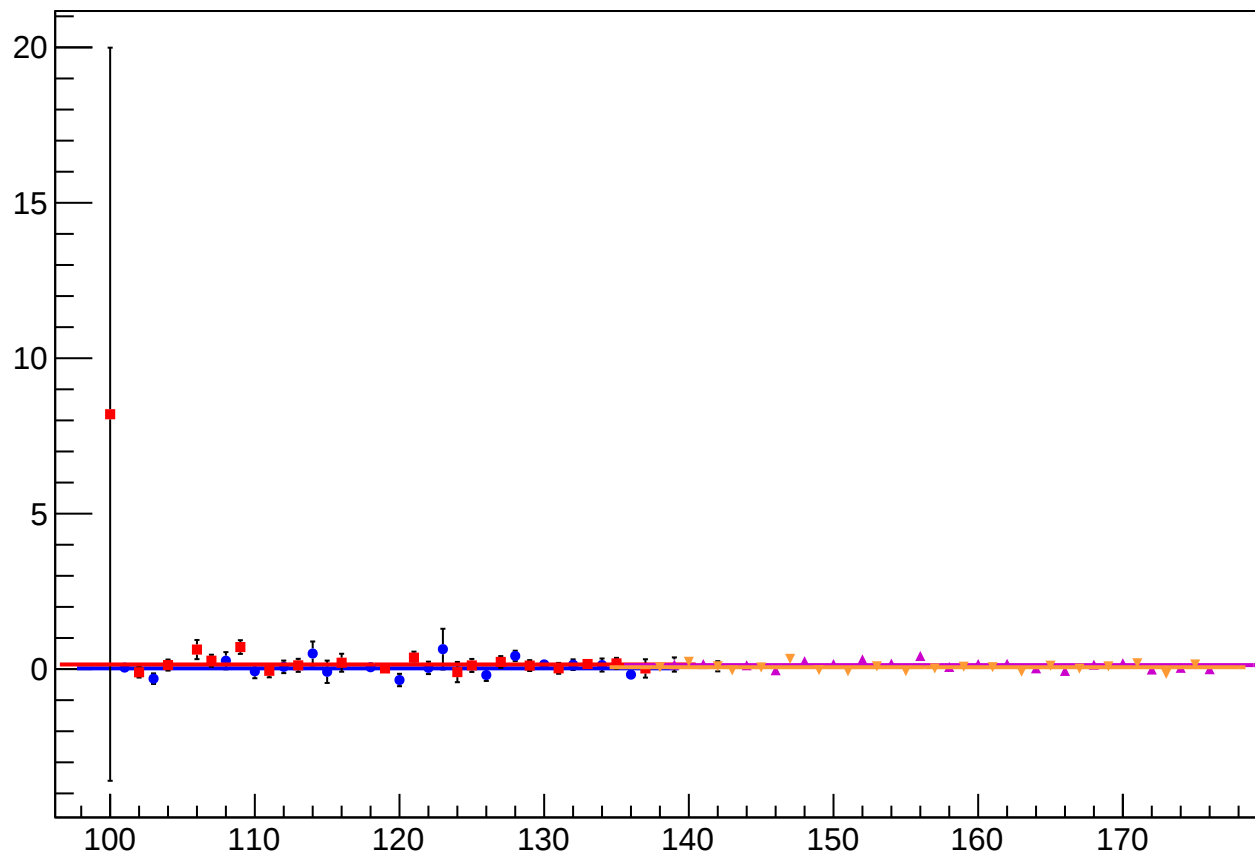
Right: -0.150 ± 0.049 $\chi^2/\text{NDF}: 38.2/35$

In: -0.025 ± 0.029 $\chi^2/\text{NDF}: 40.9/35$

Out: -0.026 ± 0.029 $\chi^2/\text{NDF}: 44.8/38$

All: -0.026 ± 0.020 $\chi^2/\text{NDF}: 85.7/74$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.059+/-0.027 χ^2/NDF :20.5/19

Right Out: 0.148+/-0.045 χ^2/NDF : 16.6/18

Left In: 0.128+/-0.028 χ^2/NDF :18.6/18

Left: 0.093+/-0.019 χ^2/NDF : 42.3/38

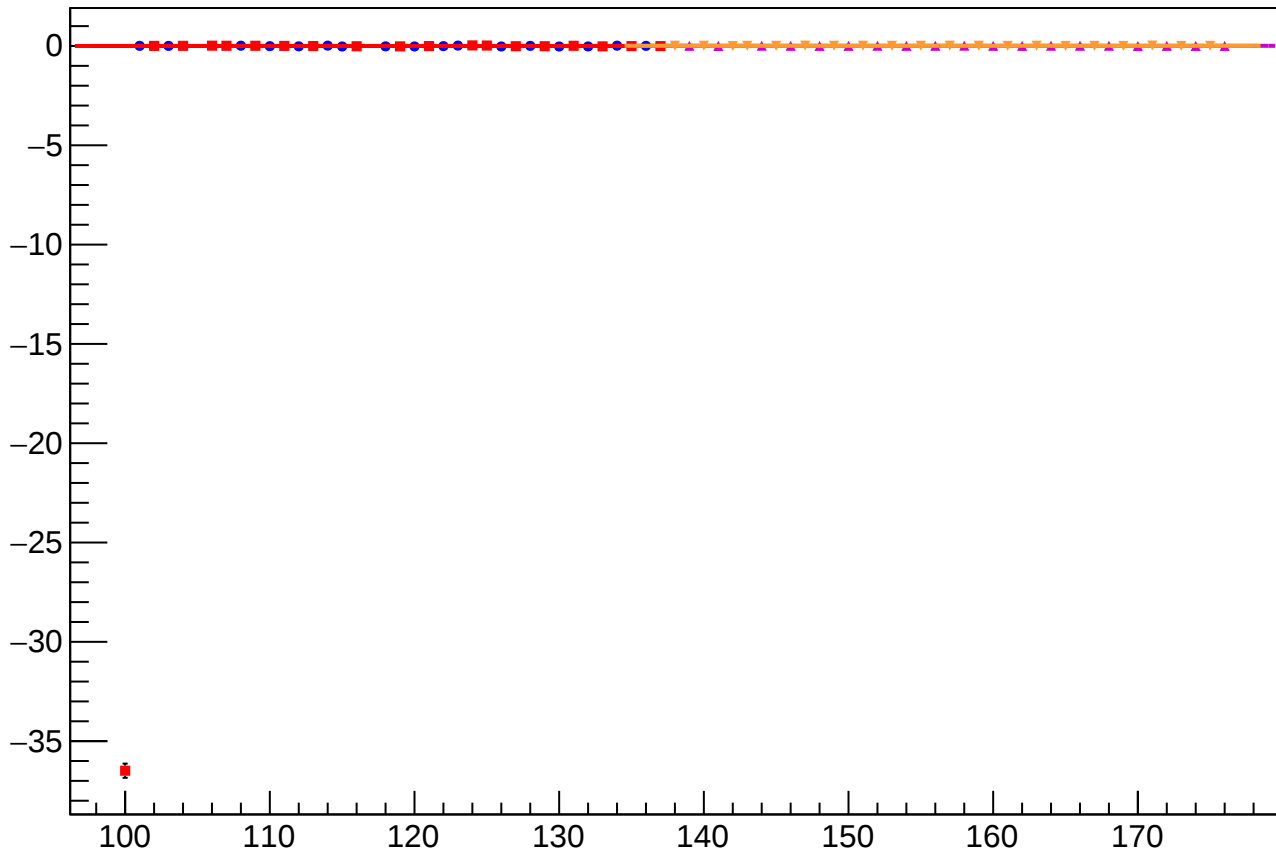
Right: 0.082+/-0.031 χ^2/NDF : 41.9/35

In: 0.097+/-0.023 χ^2/NDF :44.2/35

Out: 0.082+/-0.023 χ^2/NDF :39.9/38

All: 0.090+/-0.016 χ^2/NDF : 84.3/74

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.009 $\pm$ 0.001 χ^2 /NDF:18.7/19

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.010 $\pm$ 0.001 χ^2 /NDF:12.0/18

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 30.7/38

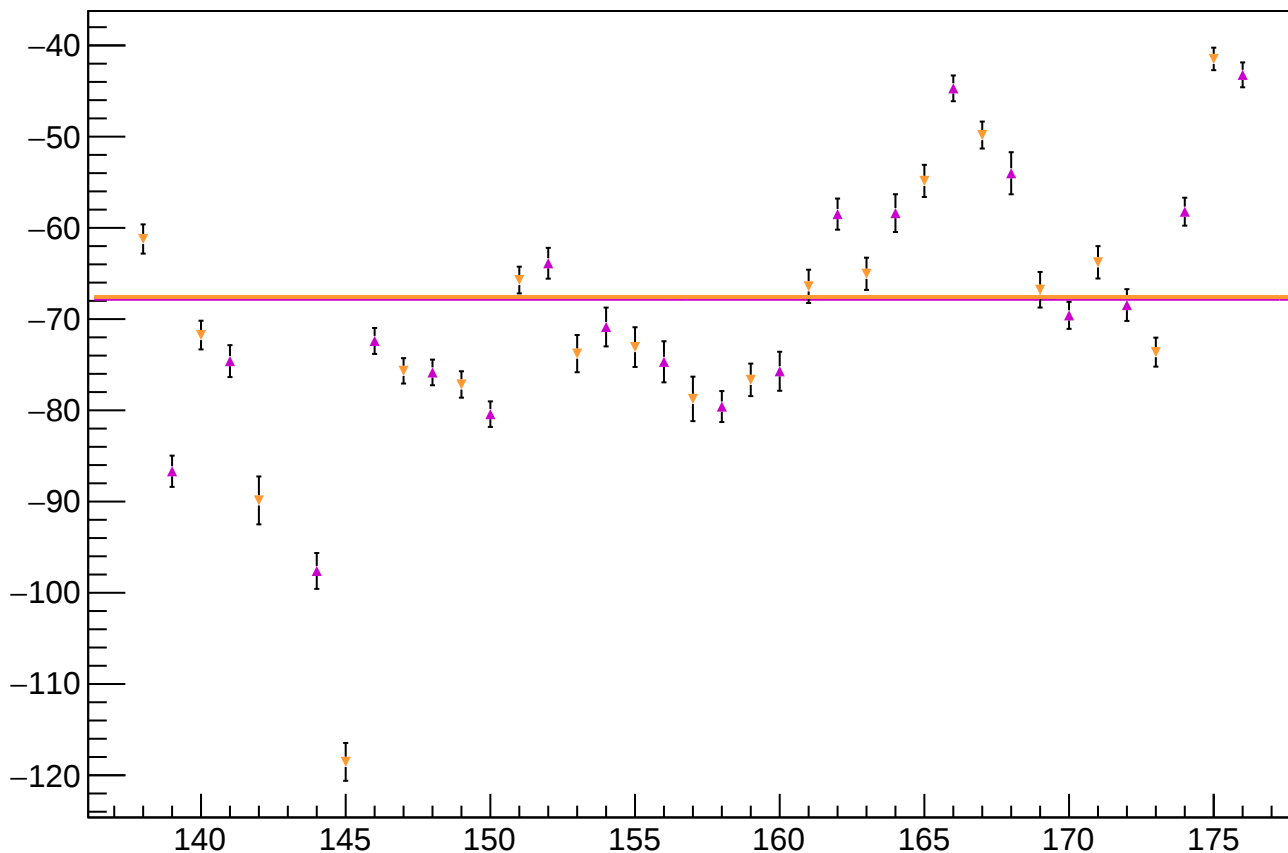
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF:52.8/35

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10478.5/38

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10531.3/74

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: -67.572+/-0.389 χ^2/NDF :1505.9/18

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

Left In: -67.772+/-0.384 χ^2/NDF :1288.7/18

Left: -67.674+/-0.273 χ^2/NDF : 2794.7/37

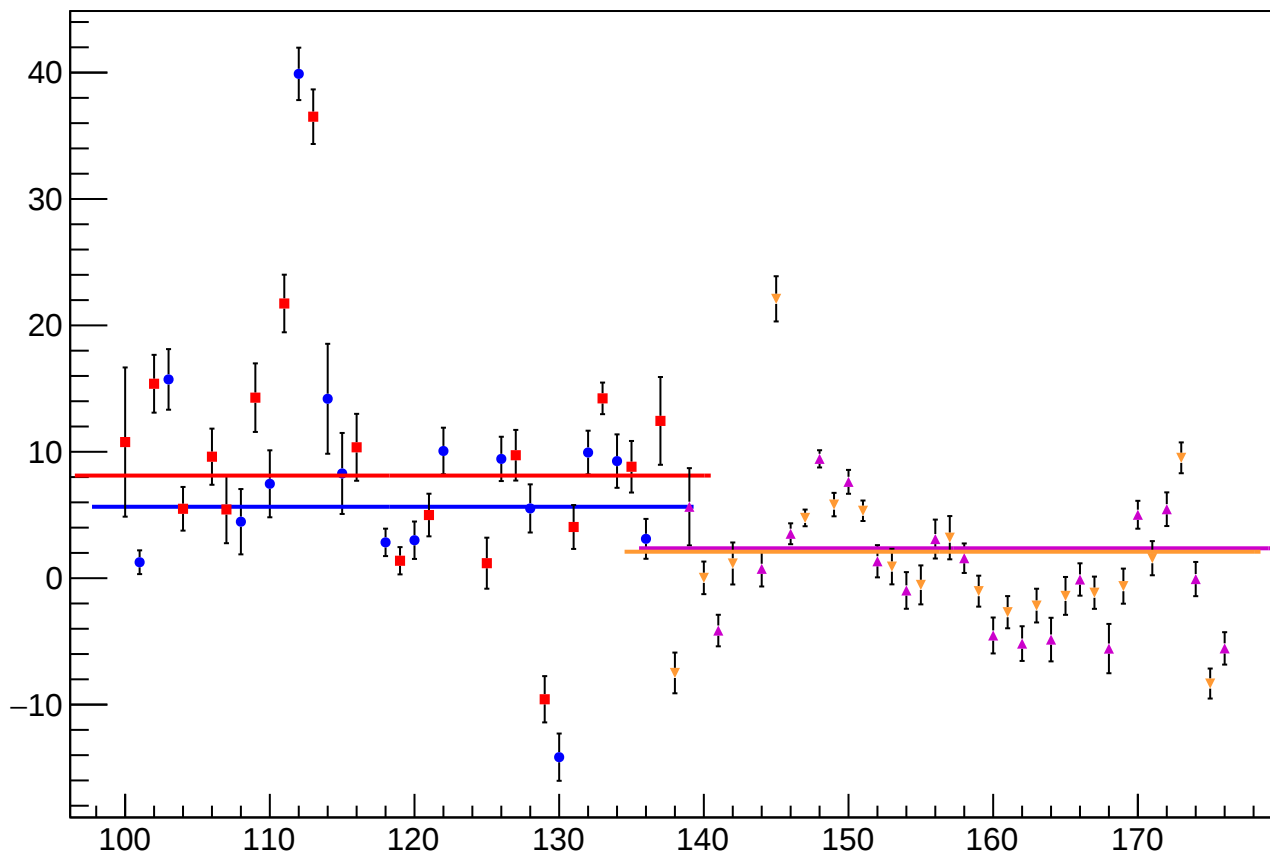
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -67.772+/-0.384 χ^2/NDF :1288.7/18

Out: -67.572+/-0.389 χ^2/NDF :1505.9/18

All: -67.674+/-0.273 χ^2/NDF : 2794.7/37

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 $\pm$ 0.429 χ^2 /NDF: 461.9/15

Left Out: 2.095 $\pm$ 0.274 χ^2 /NDF: 377.1/18

Right Out: 8.119 $\pm$ 0.453 χ^2 /NDF: 407.9/17

Left In: 2.365 $\pm$ 0.277 χ^2 /NDF: 321.0/18

Left: 2.229 $\pm$ 0.195 χ^2 /NDF: 698.5/37

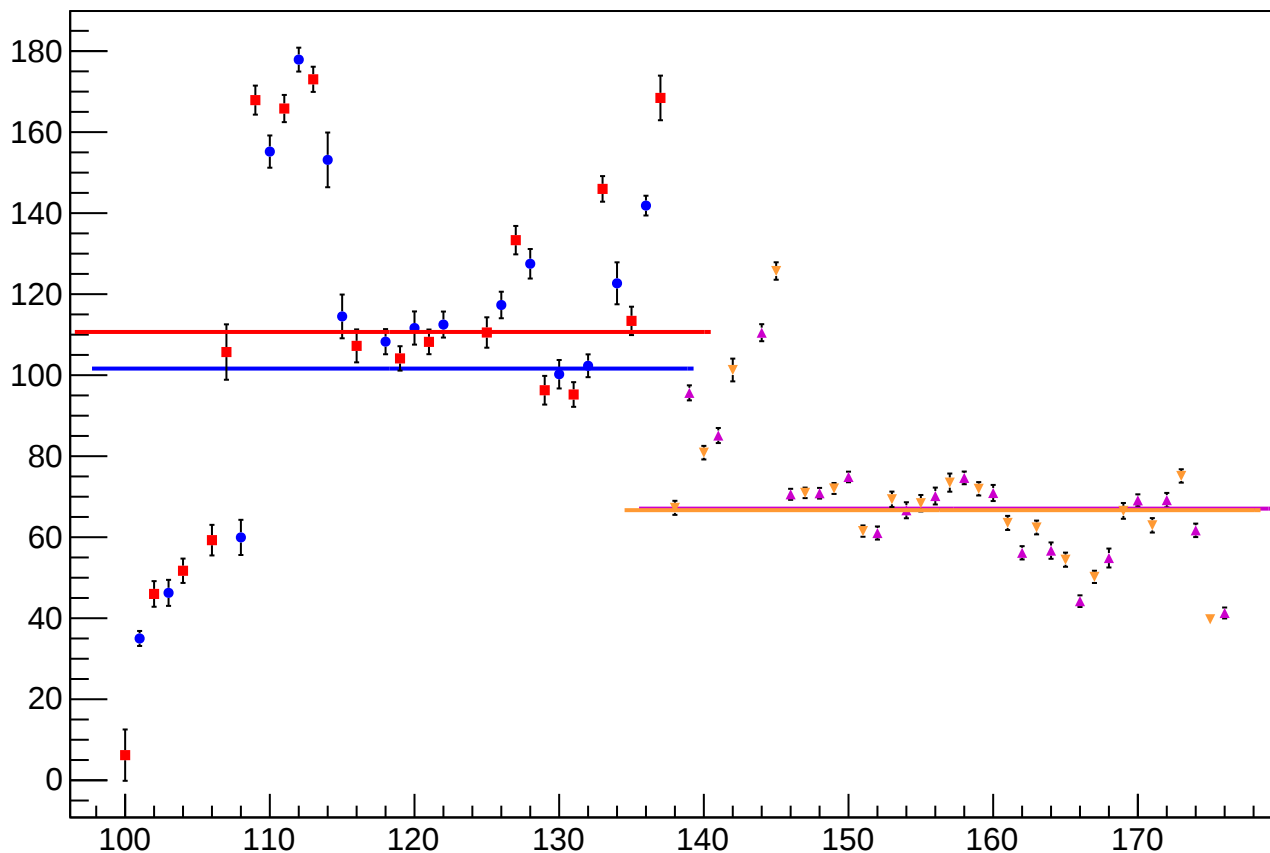
Right: 6.819 $\pm$ 0.311 χ^2 /NDF: 885.4/33

In: 3.332 $\pm$ 0.233 χ^2 /NDF: 824.2/34

Out: 3.715 $\pm$ 0.235 χ^2 /NDF: 914.5/36

All: 3.522 $\pm$ 0.165 χ^2 /NDF: 1740.1/71

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: 66.677 $\pm$ 0.383 χ^2 /NDF:1722.9/18

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

Left In: 67.057 $\pm$ 0.378 χ^2 /NDF:1579.8/18

Left: 66.870 $\pm$ 0.269 χ^2 /NDF: 3303.2/37

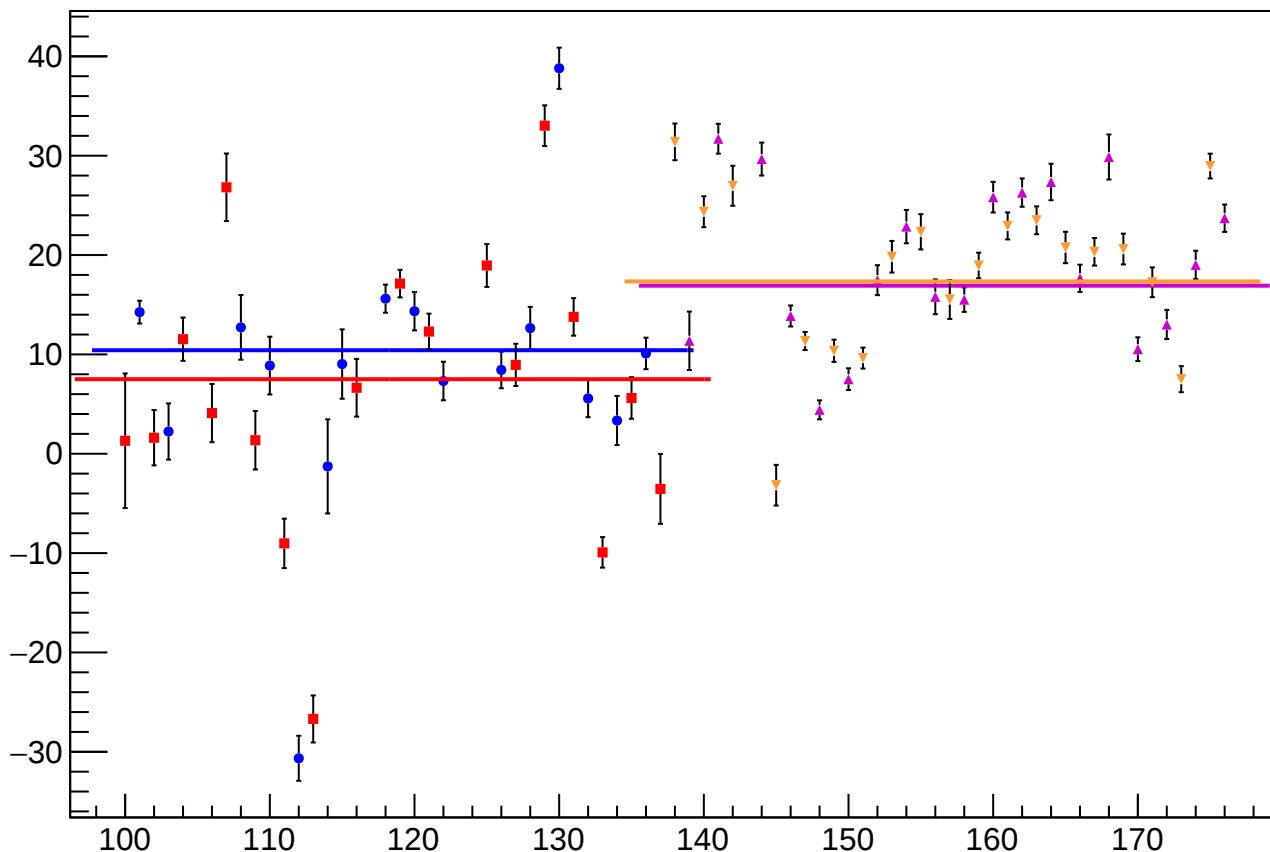
Right: 106.018 $\pm$ 0.583 χ^2 /NDF: 5554.3/33

In: 73.215 $\pm$ 0.343 χ^2 /NDF:6049.8/34

Out: 74.315 $\pm$ 0.348 χ^2 /NDF:6524.6/36

All: 73.756 $\pm$ 0.244 χ^2 /NDF: 12579.5/71

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: 17.345 $\pm$ 0.321 χ^2 /NDF: 543.2/18

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

Left In: 16.917 $\pm$ 0.322 χ^2 /NDF: 631.7/18

Left: 17.132 $\pm$ 0.227 χ^2 /NDF: 1175.8/37

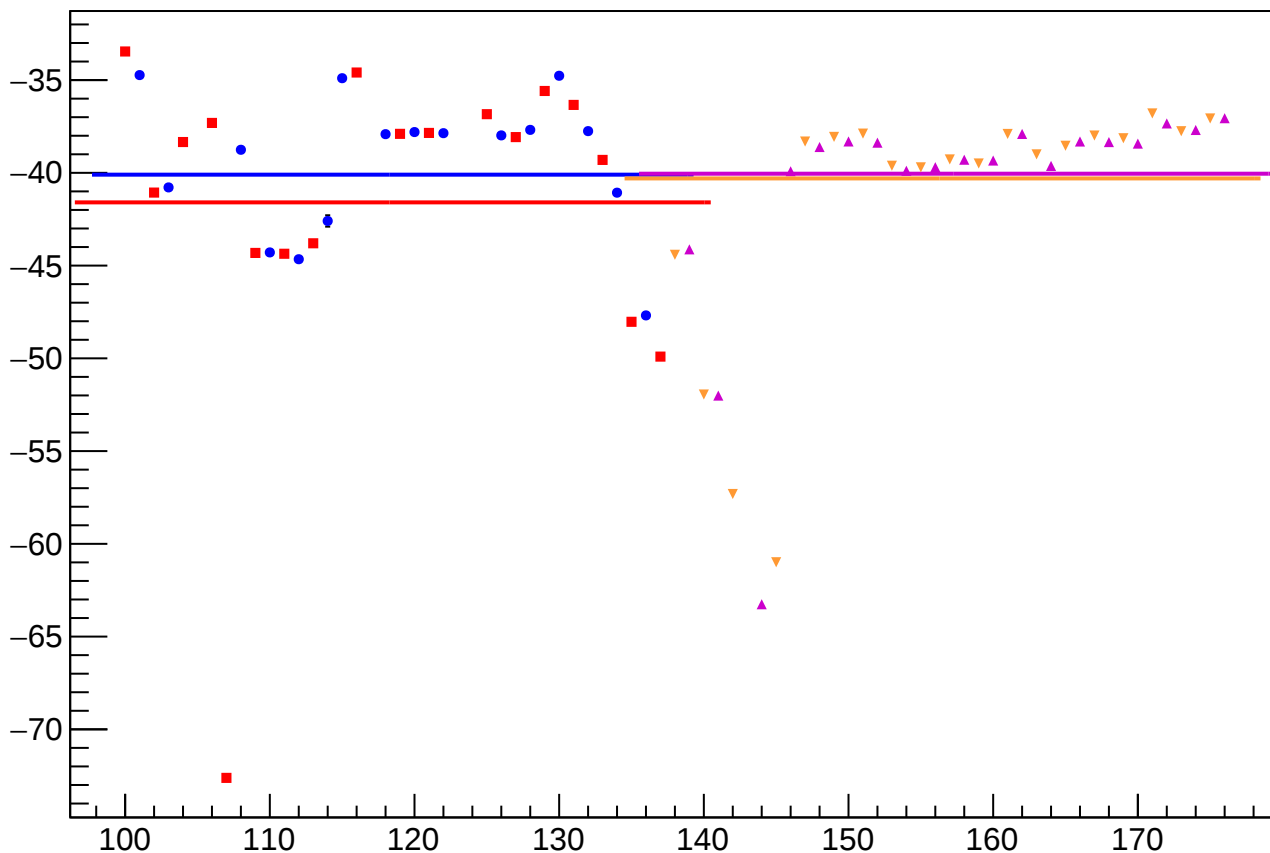
Right: 9.035 $\pm$ 0.360 χ^2 /NDF: 1285.5/33

In: 14.999 $\pm$ 0.270 χ^2 /NDF: 1331.7/34

Out: 14.658 $\pm$ 0.273 χ^2 /NDF: 1489.9/36

All: 14.830 $\pm$ 0.192 χ^2 /NDF: 2822.4/71

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -40.301 ± 0.015 $\chi^2/\text{NDF}: 127384.8/18$

Right Out: -41.592 ± 0.029 $\chi^2/\text{NDF}: 61677.7/17$

Left In: -40.047 ± 0.015 $\chi^2/\text{NDF}: 103995.3/18$

Left: -40.170 ± 0.011 $\chi^2/\text{NDF}: 231520.4/37$

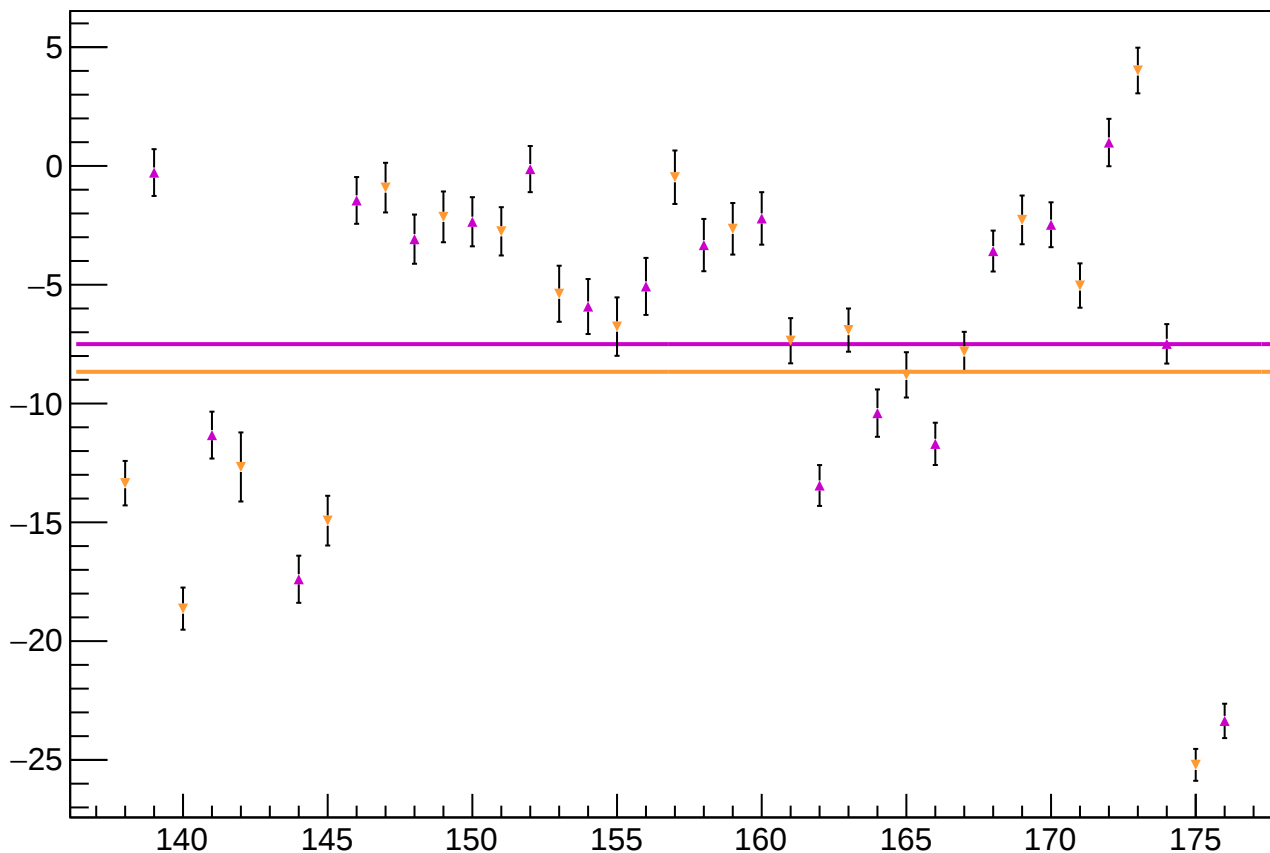
Right: -40.838 ± 0.020 $\chi^2/\text{NDF}: 88129.3/33$

In: -40.058 ± 0.013 $\chi^2/\text{NDF}: 129071.3/34$

Out: -40.590 ± 0.014 $\chi^2/\text{NDF}: 190645.2/36$

All: -40.318 ± 0.009 $\chi^2/\text{NDF}: 320507.0/71$

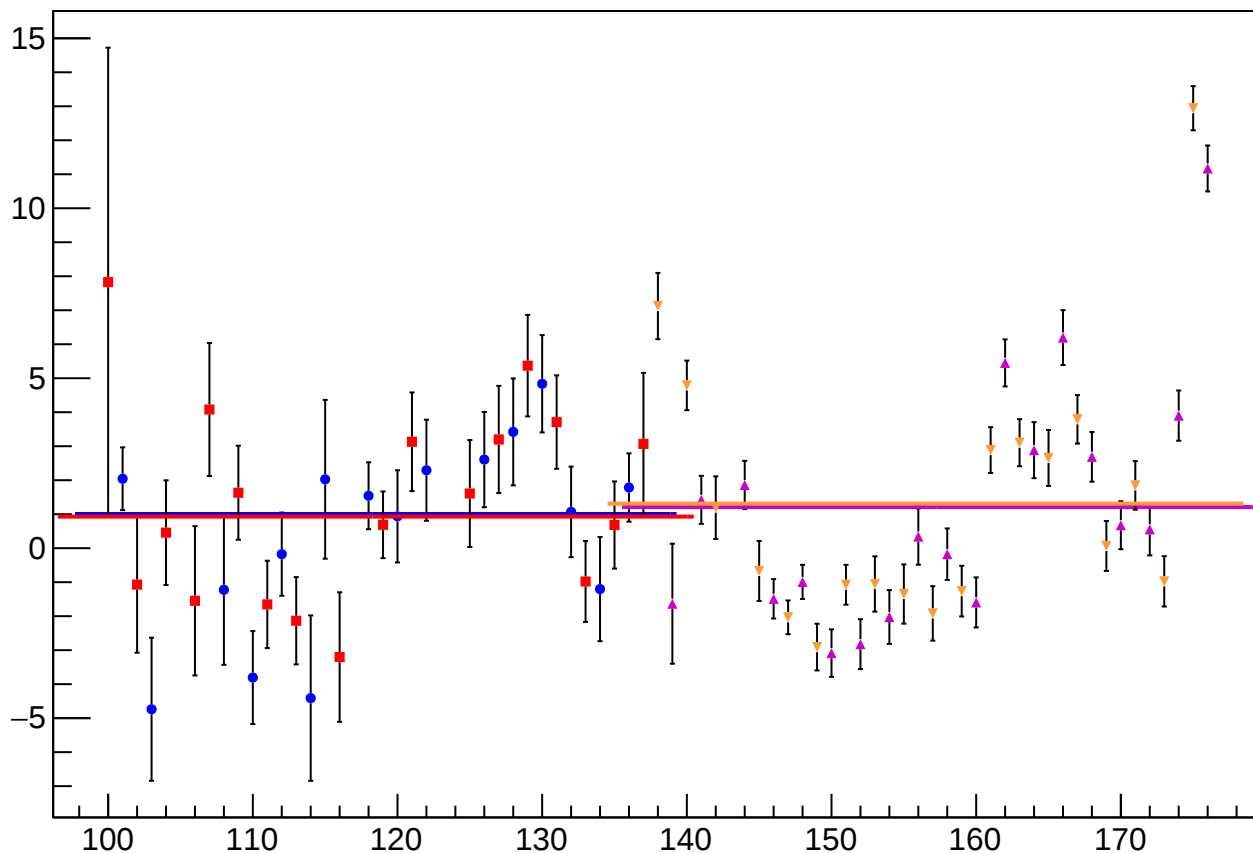
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -8.664 $\pm$ 0.224 χ^2/NDF :1257.3/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -7.500 $\pm$ 0.220 χ^2/NDF :1030.4/18

Left: -8.071 $\pm$ 0.157 χ^2/NDF : 2301.4/37
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -7.500 $\pm$ 0.220 χ^2/NDF :1030.4/18
 Out: -8.664 $\pm$ 0.224 χ^2/NDF :1257.3/18
 All: -8.071 $\pm$ 0.157 χ^2/NDF : 2301.4/37

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 $\pm$ 0.342 χ^2 /NDF: 42.7/15

Left Out: 1.311 $\pm$ 0.166 χ^2 /NDF:570.4/18

Right Out: 0.929 $\pm$ 0.353 χ^2 /NDF: 41.9/17

Left In: 1.211 $\pm$ 0.166 χ^2 /NDF:463.6/18

Left: 1.261 $\pm$ 0.117 χ^2 /NDF: 1034.3/37

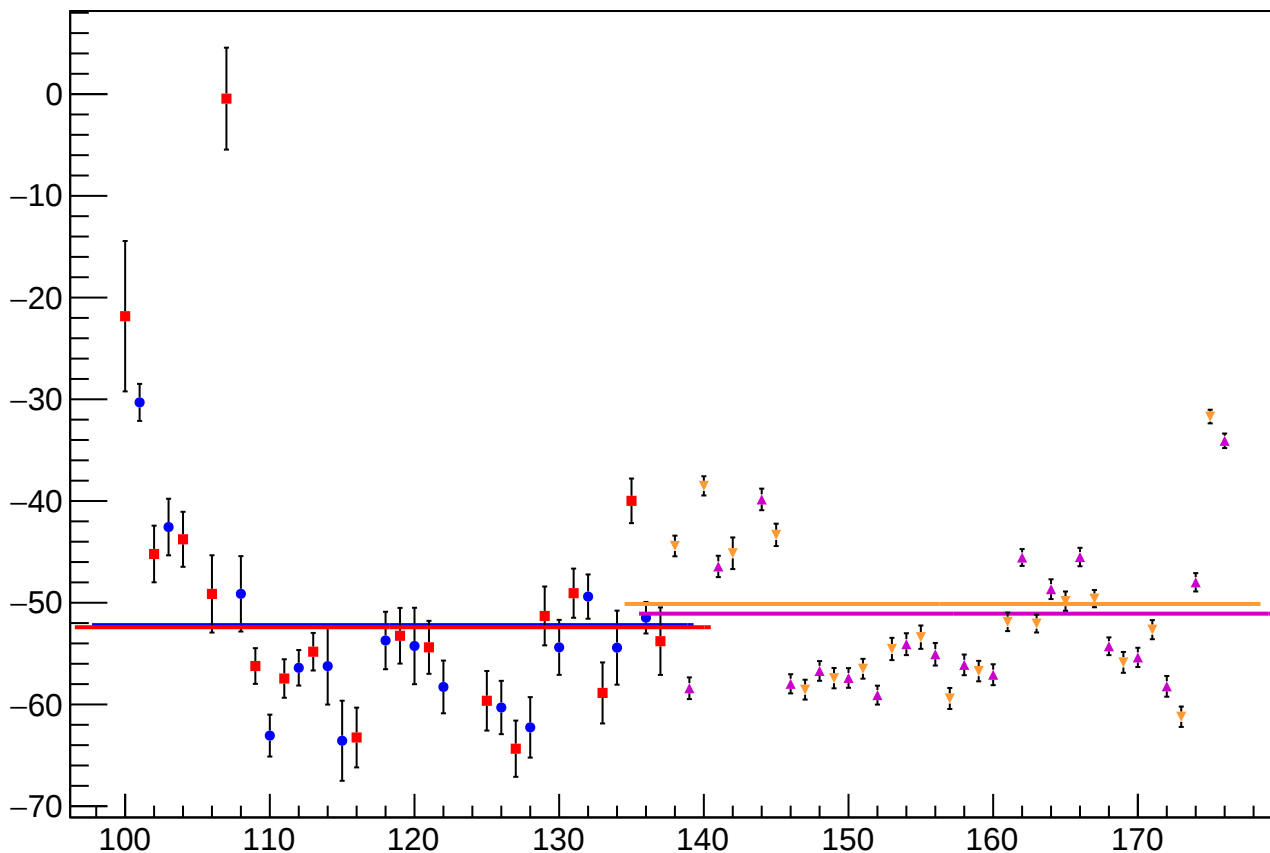
Right: 0.969 $\pm$ 0.246 χ^2 /NDF: 84.6/33

In: 1.172 $\pm$ 0.149 χ^2 /NDF:506.7/34

Out: 1.242 $\pm$ 0.150 χ^2 /NDF:613.3/36

All: 1.207 $\pm$ 0.106 χ^2 /NDF: 1120.0/71

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -50.120 ± 0.222 χ^2/NDF : 1474.7/18

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

Left In: -51.073 ± 0.218 χ^2/NDF : 1208.4/18

Left: -50.605 ± 0.156 χ^2/NDF : 2692.5/37

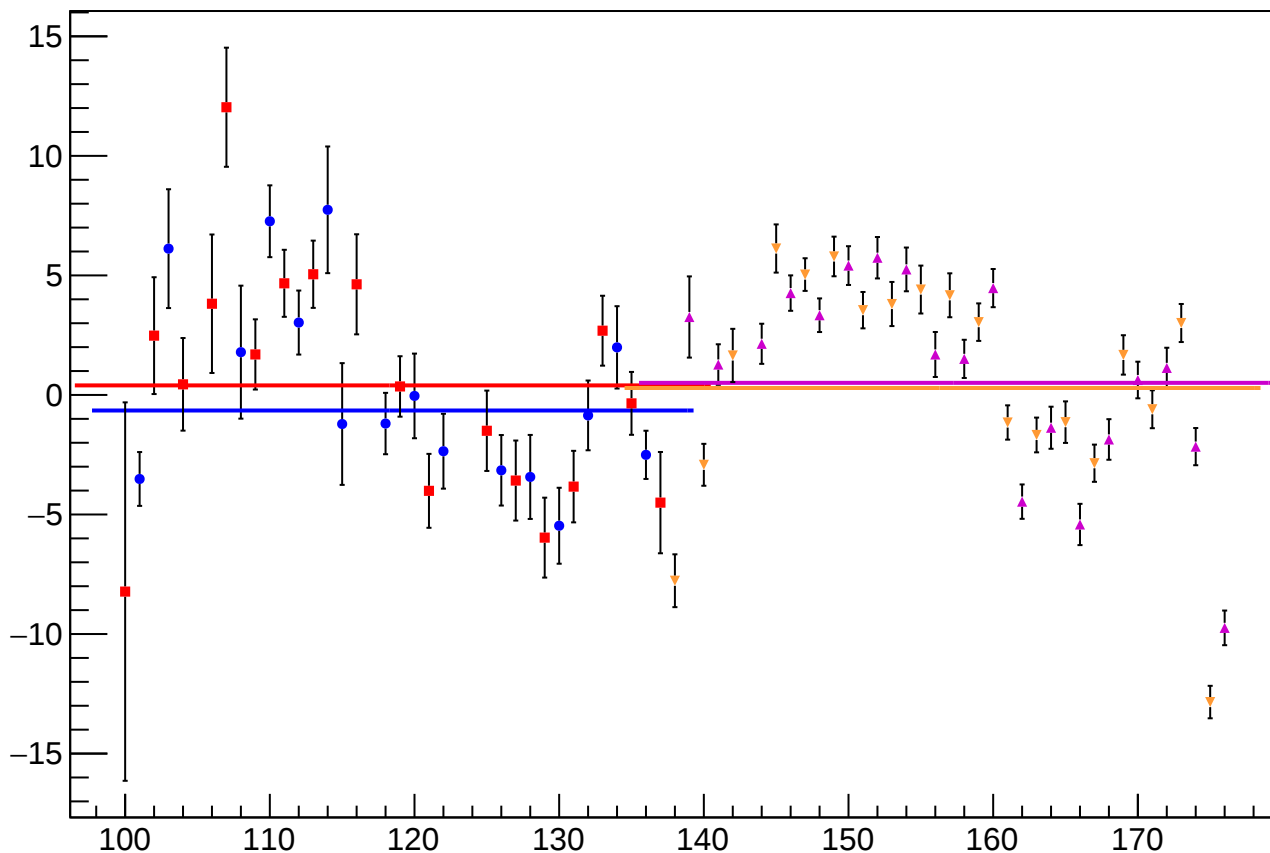
Right: -52.303 ± 0.435 χ^2/NDF : 464.6/33

In: -51.200 ± 0.206 χ^2/NDF : 1442.0/34

Out: -50.383 ± 0.209 χ^2/NDF : 1720.8/36

All: -50.798 ± 0.147 χ^2/NDF : 3170.6/71

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: 0.291 ± 0.190 χ^2/NDF : 694.0/18

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

Left In: 0.506 ± 0.189 χ^2/NDF : 496.4/18

Left: 0.399 ± 0.134 χ^2/NDF : 1191.0/37

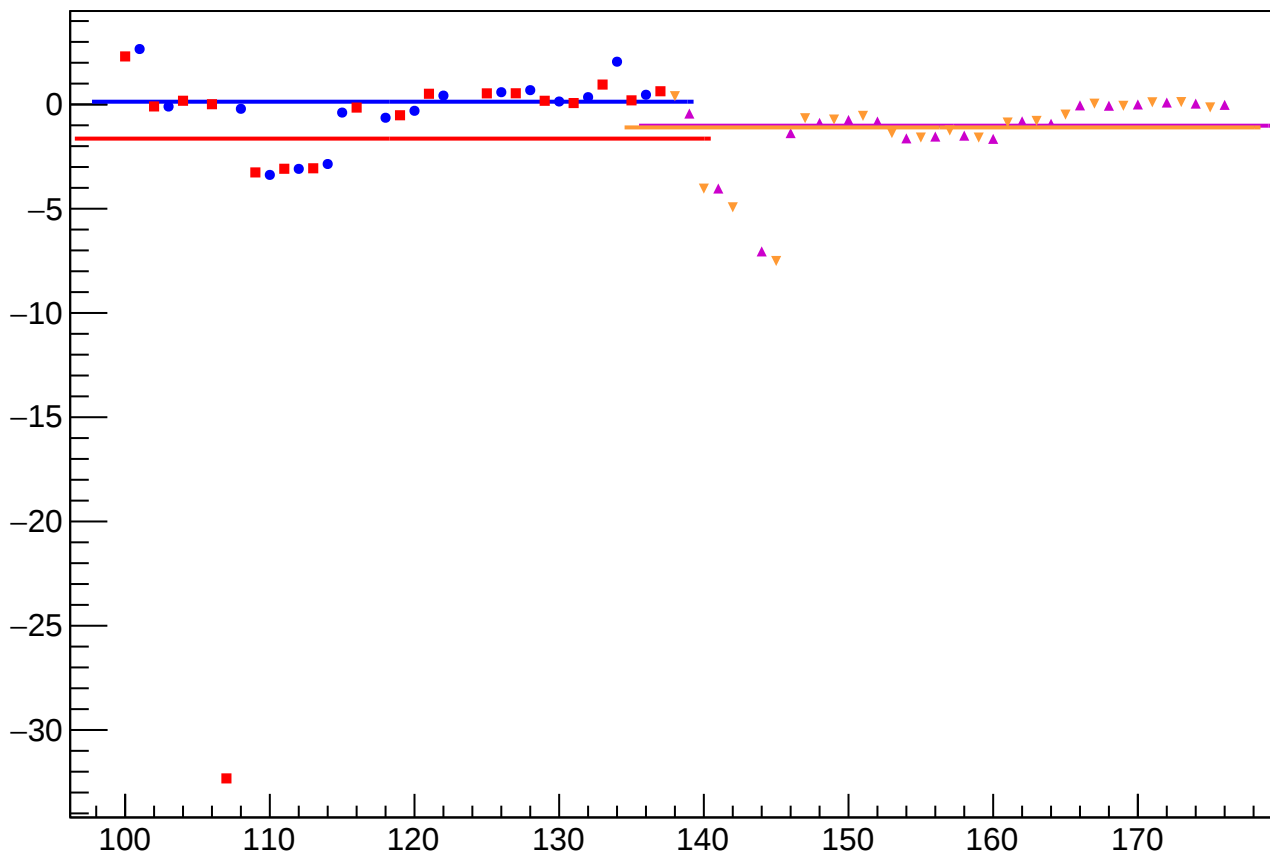
Right: -0.142 ± 0.278 χ^2/NDF : 181.4/33

In: 0.283 ± 0.170 χ^2/NDF : 585.5/34

Out: 0.311 ± 0.171 χ^2/NDF : 789.9/36

All: 0.297 ± 0.121 χ^2/NDF : 1375.5/71

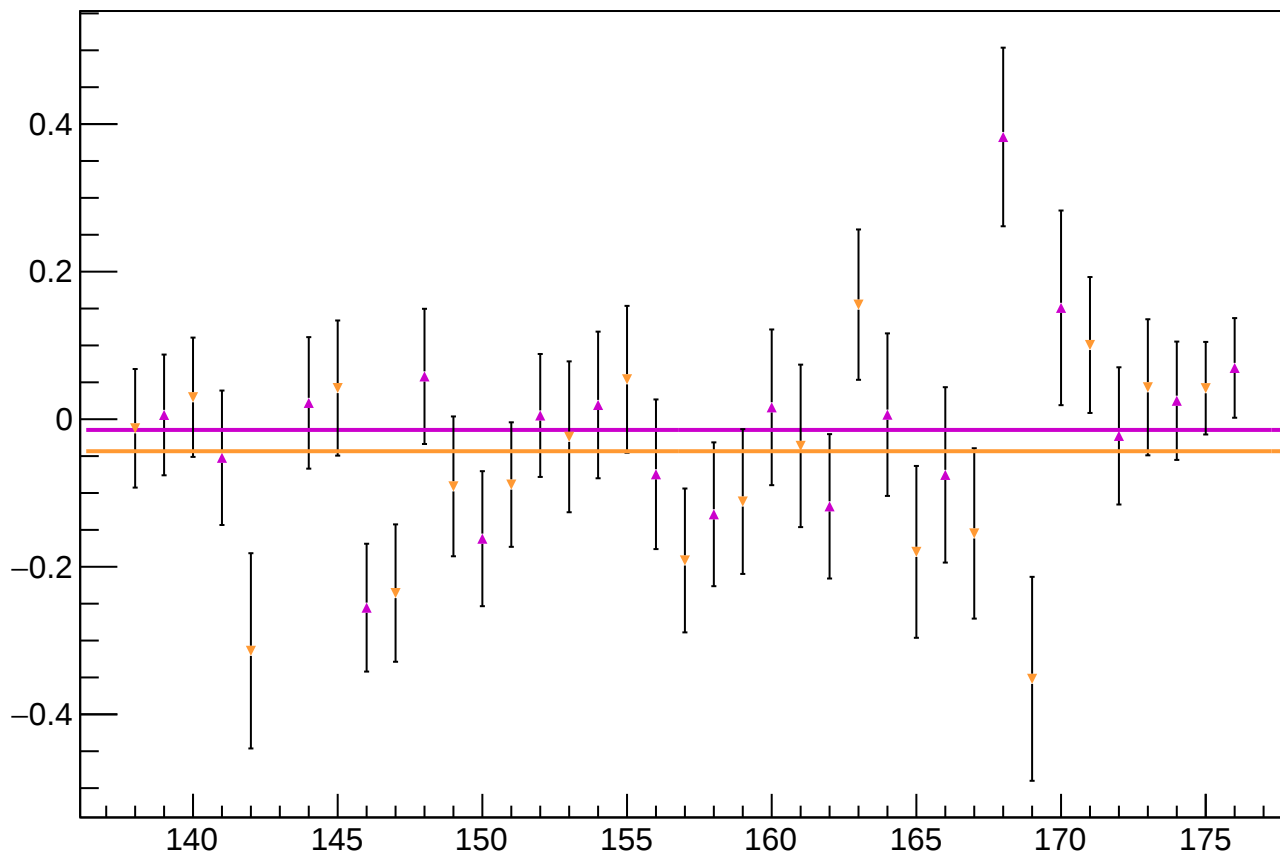
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$
 Left Out: -1.101 ± 0.009 $\chi^2/\text{NDF}: 38578.2/18$
 Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$
 Left In: -1.018 ± 0.009 $\chi^2/\text{NDF}: 28719.8/18$

Left: -1.059 ± 0.006 $\chi^2/\text{NDF}: 67344.0/37$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86422.1/33$
 In: -0.863 ± 0.008 $\chi^2/\text{NDF}: 36427.7/34$
 Out: -1.176 ± 0.008 $\chi^2/\text{NDF}: 116946.5/36$
 All: -1.015 ± 0.006 $\chi^2/\text{NDF}: 154133.9/71$

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: -0.043 $\pm$ 0.022 χ^2 /NDF:30.9/18

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

Left In: -0.015 $\pm$ 0.021 χ^2 /NDF:28.9/18

Left: -0.029 $\pm$ 0.015 χ^2 /NDF: 60.7/37

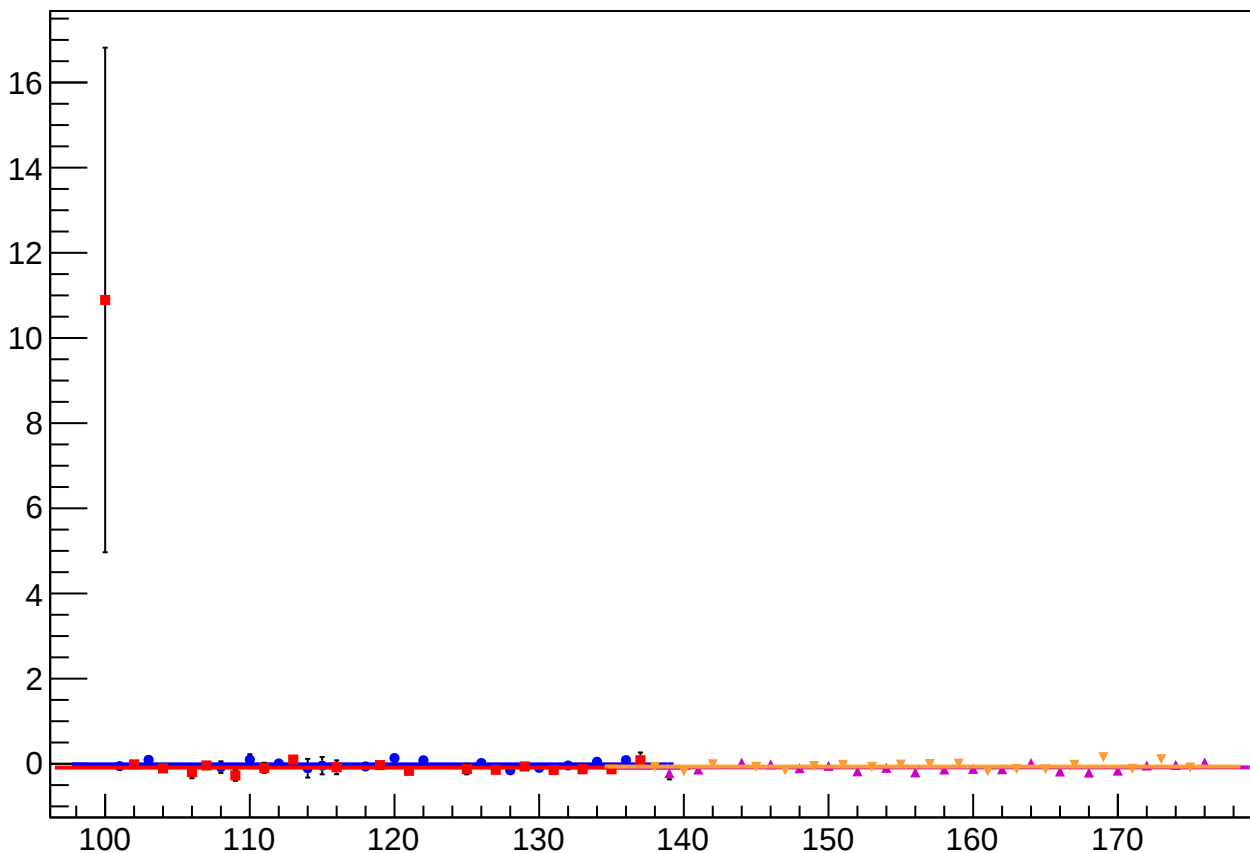
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.015 $\pm$ 0.021 χ^2 /NDF:28.9/18

Out: -0.043 $\pm$ 0.022 χ^2 /NDF:30.9/18

All: -0.029 $\pm$ 0.015 χ^2 /NDF: 60.7/37

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 11.7/15

Left Out: -0.066 $\pm$ 0.016 χ^2 /NDF: 25.1/18

Right Out: -0.089 $\pm$ 0.025 χ^2 /NDF: 13.0/17

Left In: -0.084 $\pm$ 0.016 χ^2 /NDF: 21.6/18

Left: -0.075 $\pm$ 0.011 χ^2 /NDF: 47.4/37

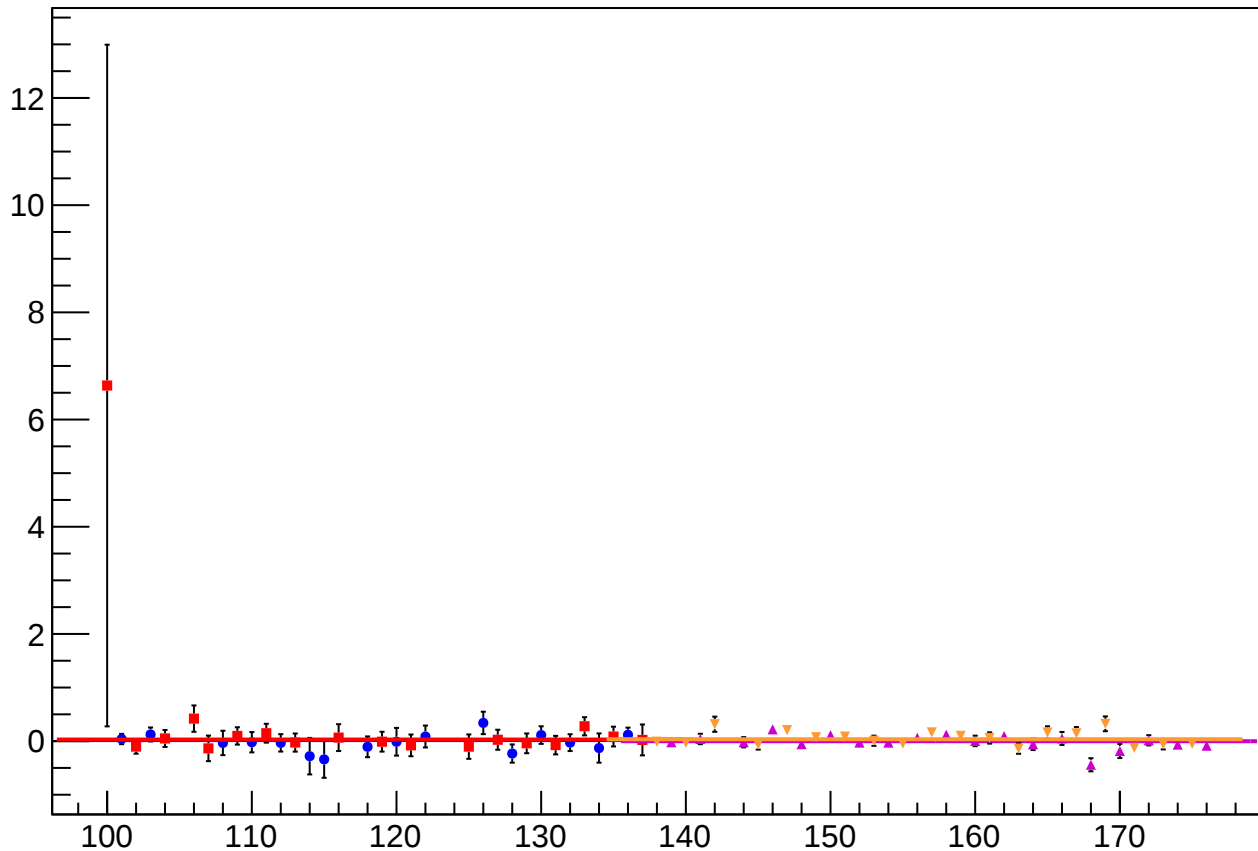
Right: -0.049 $\pm$ 0.017 χ^2 /NDF: 29.6/33

In: -0.062 $\pm$ 0.013 χ^2 /NDF: 39.6/34

Out: -0.072 $\pm$ 0.013 χ^2 /NDF: 38.7/36

All: -0.067 $\pm$ 0.009 χ^2 /NDF: 78.6/71

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020+/-0.043 χ^2/NDF : 9.1/15

Left Out: 0.035+/-0.021 χ^2/NDF : 28.8/18

Right Out: 0.030+/-0.045 χ^2/NDF : 9.2/17

Left In: -0.001+/-0.021 χ^2/NDF : 30.4/18

Left: 0.017+/-0.015 χ^2/NDF : 60.7/37

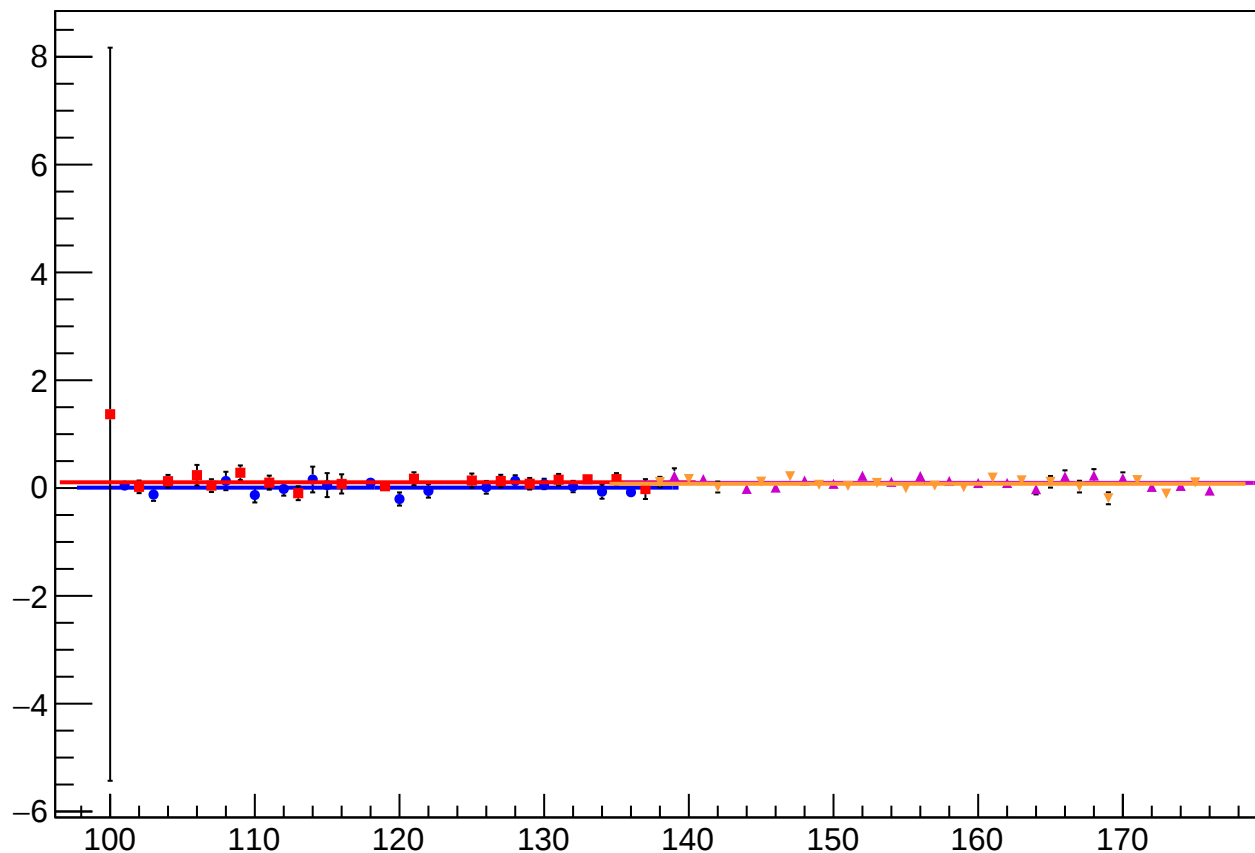
Right: 0.025+/-0.031 χ^2/NDF : 18.3/33

In: 0.003+/-0.019 χ^2/NDF : 39.7/34

Out: 0.034+/-0.019 χ^2/NDF : 38.1/36

All: 0.018+/-0.014 χ^2/NDF : 79.1/71

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007+/-0.027 χ^2/NDF : 11.3/15

Left Out: 0.079+/-0.018 χ^2/NDF : 25.0/18

Right Out: 0.107+/-0.029 χ^2/NDF : 8.2/17

Left In: 0.096+/-0.018 χ^2/NDF : 22.5/18

Left: 0.088+/-0.013 χ^2/NDF : 47.9/37

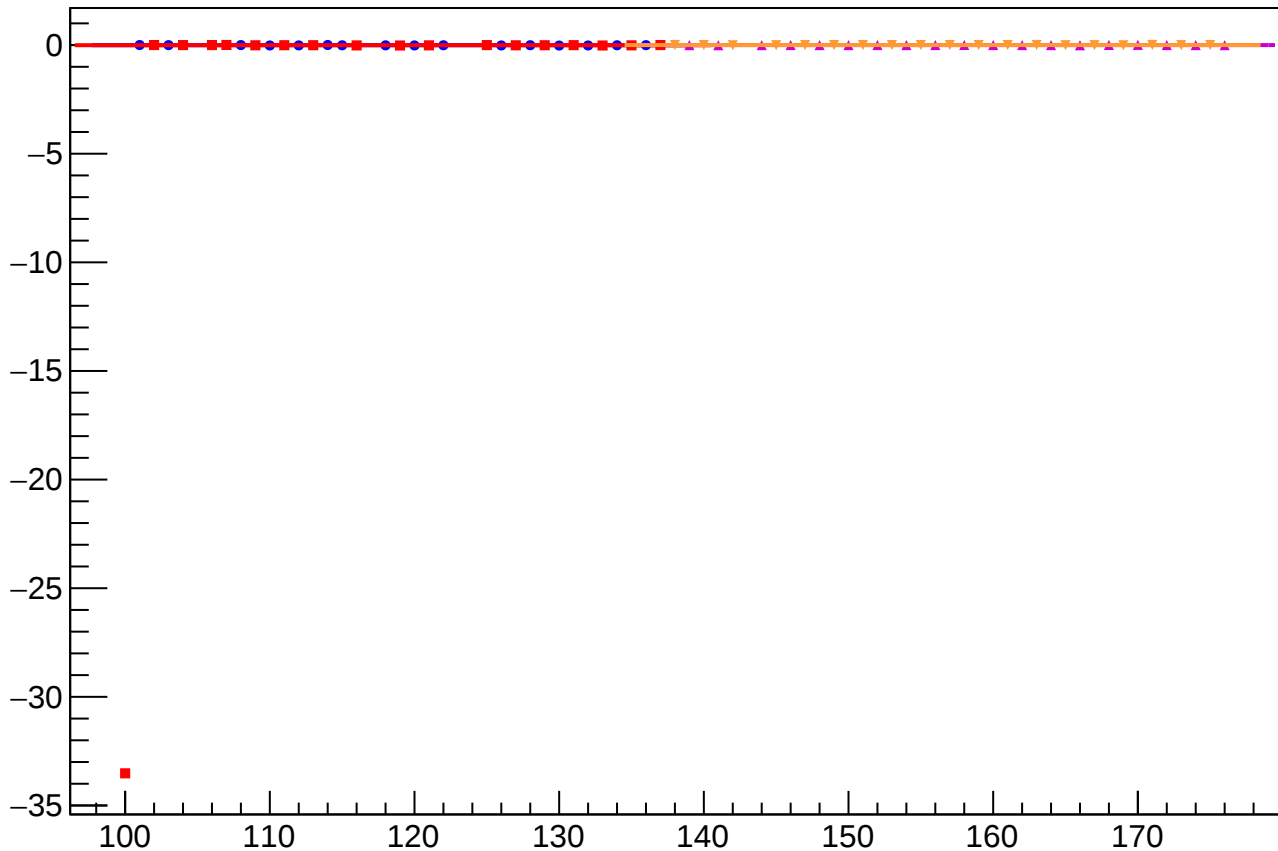
Right: 0.054+/-0.020 χ^2/NDF : 25.8/33

In: 0.068+/-0.015 χ^2/NDF : 41.1/34

Out: 0.087+/-0.015 χ^2/NDF : 33.8/36

All: 0.078+/-0.011 χ^2/NDF : 75.6/71

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 21.8/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF:18.6/18

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.7/17

Left In: -0.000 $\pm$ 0.001 χ^2 /NDF:17.2/18

Left: 0.000 $\pm$ 0.001 χ^2 /NDF: 36.6/37

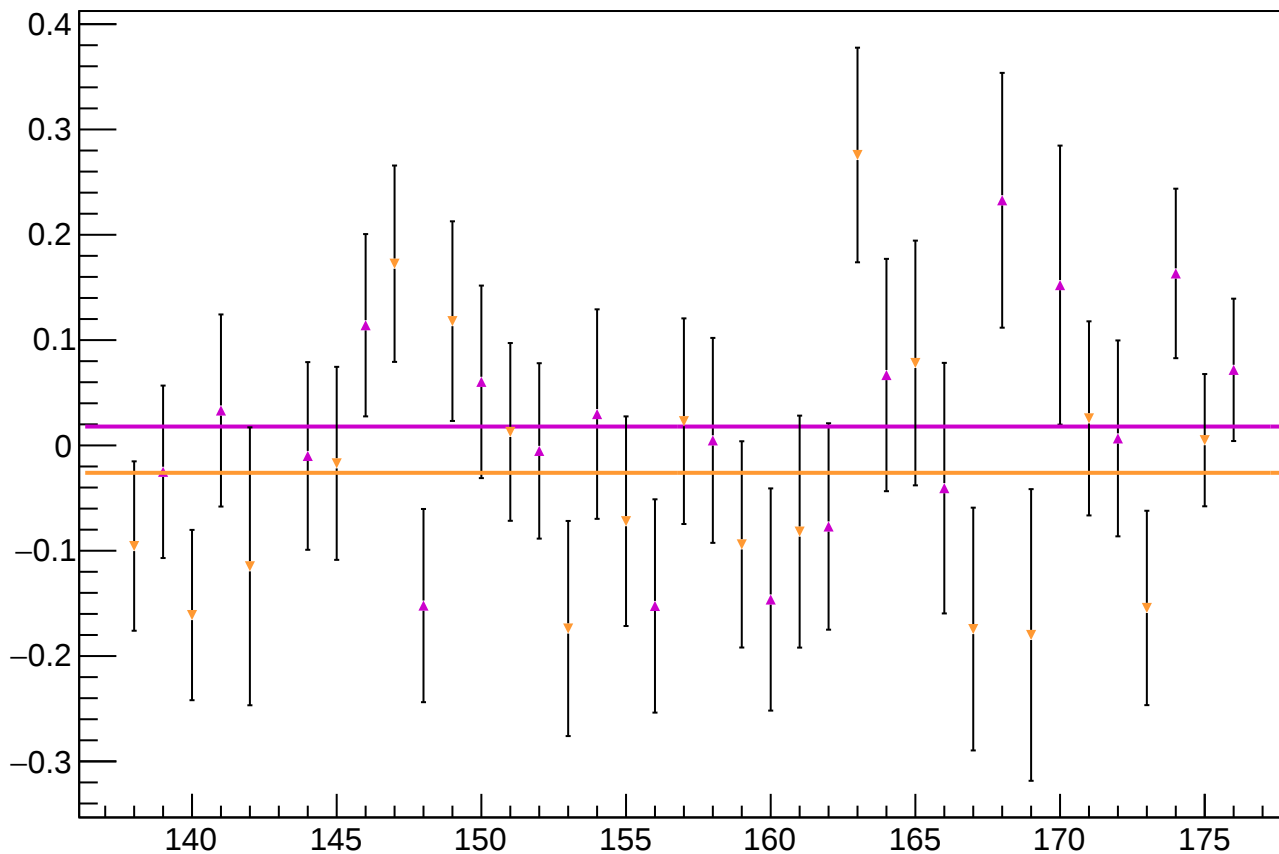
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26530.6/33

In: -0.001 $\pm$ 0.001 χ^2 /NDF:49.2/34

Out: -0.001 $\pm$ 0.001 χ^2 /NDF:26544.1/36

All: -0.001 $\pm$ 0.001 χ^2 /NDF: 26593.6/71

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: -0.026 $\pm$ 0.022 χ^2 /NDF:29.3/18

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

Left In: 0.018 $\pm$ 0.021 χ^2 /NDF:20.1/18

Left: -0.004 $\pm$ 0.015 χ^2 /NDF: 51.5/37

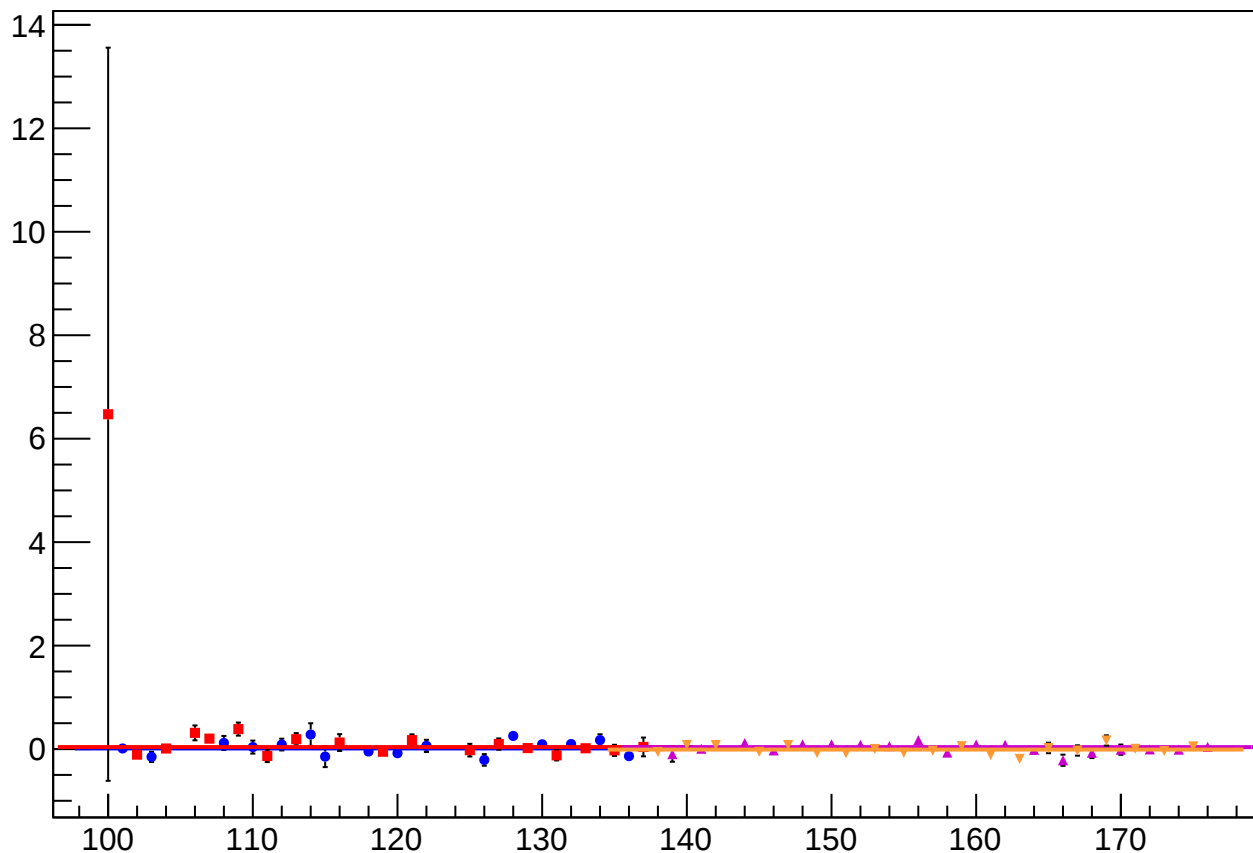
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.018 $\pm$ 0.021 χ^2 /NDF:20.1/18

Out: -0.026 $\pm$ 0.022 χ^2 /NDF:29.3/18

All: -0.004 $\pm$ 0.015 χ^2 /NDF: 51.5/37

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: -0.010 $\pm$ 0.016 χ^2 /NDF:24.2/18

Right Out: 0.038 $\pm$ 0.025 χ^2 /NDF: 28.4/17

Left In: 0.037 $\pm$ 0.016 χ^2 /NDF:22.0/18

Left: 0.014 $\pm$ 0.011 χ^2 /NDF: 50.6/37

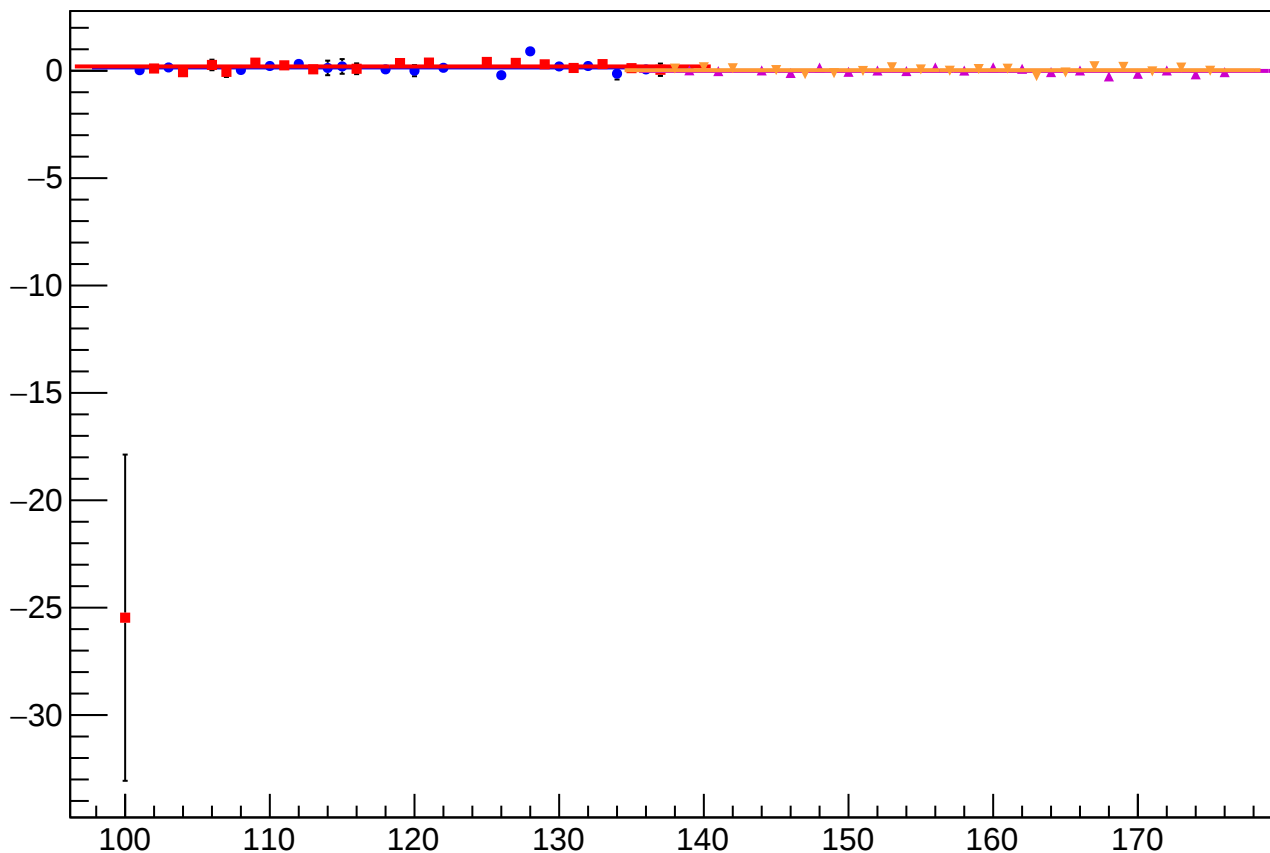
Right: 0.025 $\pm$ 0.017 χ^2 /NDF: 54.0/33

In: 0.029 $\pm$ 0.013 χ^2 /NDF:47.8/34

Out: 0.004 $\pm$ 0.013 χ^2 /NDF:55.3/36

All: 0.017 $\pm$ 0.009 χ^2 /NDF: 104.9/71

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154+/-0.043 χ^2/NDF : 27.9/15

Left Out: 0.025+/-0.021 χ^2/NDF : 28.4/18

Right Out: 0.201+/-0.045 χ^2/NDF : 22.6/17

Left In: -0.007+/-0.021 χ^2/NDF : 21.8/18

Left: 0.009+/-0.015 χ^2/NDF : 51.3/37

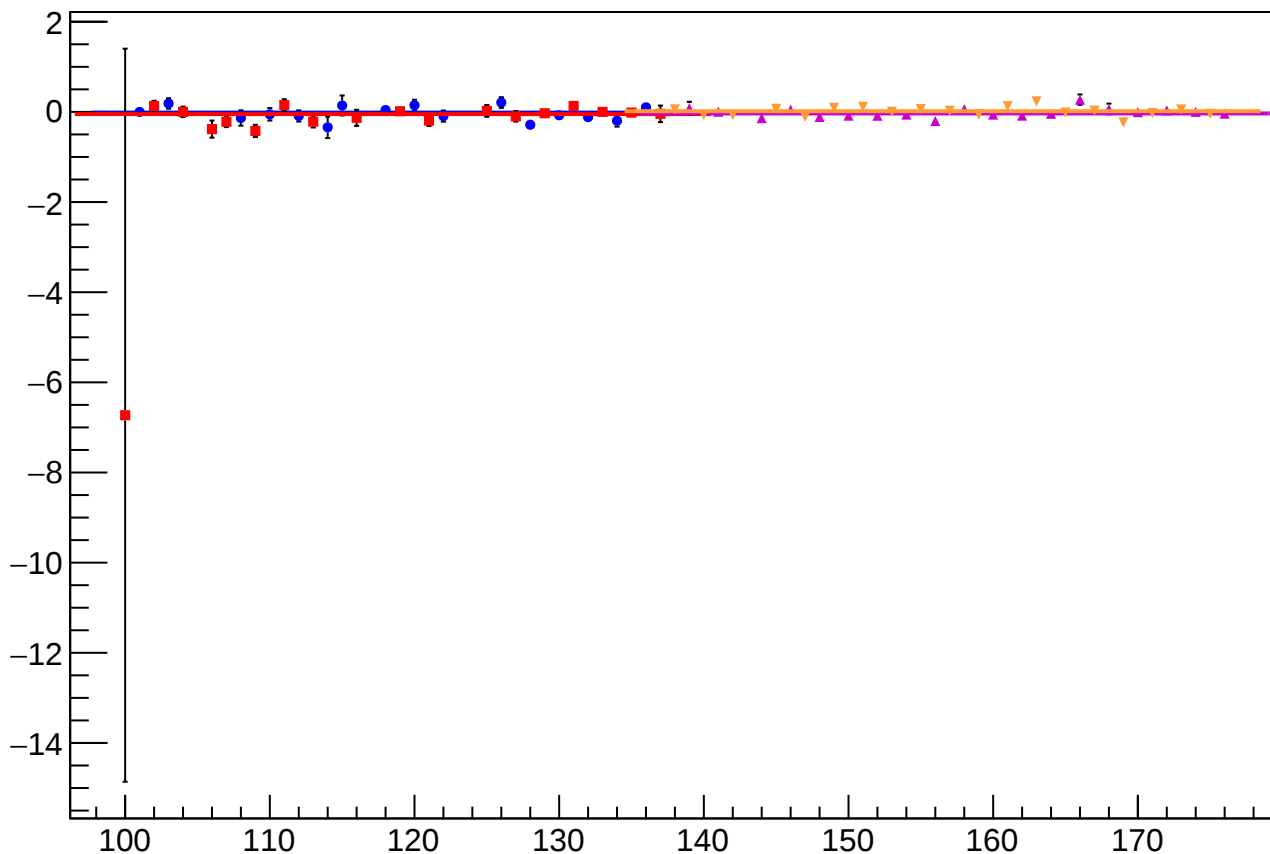
Right: 0.177+/-0.031 χ^2/NDF : 51.1/33

In: 0.024+/-0.019 χ^2/NDF : 61.1/34

Out: 0.058+/-0.019 χ^2/NDF : 63.4/36

All: 0.041+/-0.014 χ^2/NDF : 126.0/71

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.016 ± 0.018 χ^2/NDF : 27.1/18

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

Left In: -0.034 ± 0.018 χ^2/NDF : 22.5/18

Left: -0.009 ± 0.013 χ^2/NDF : 53.3/37

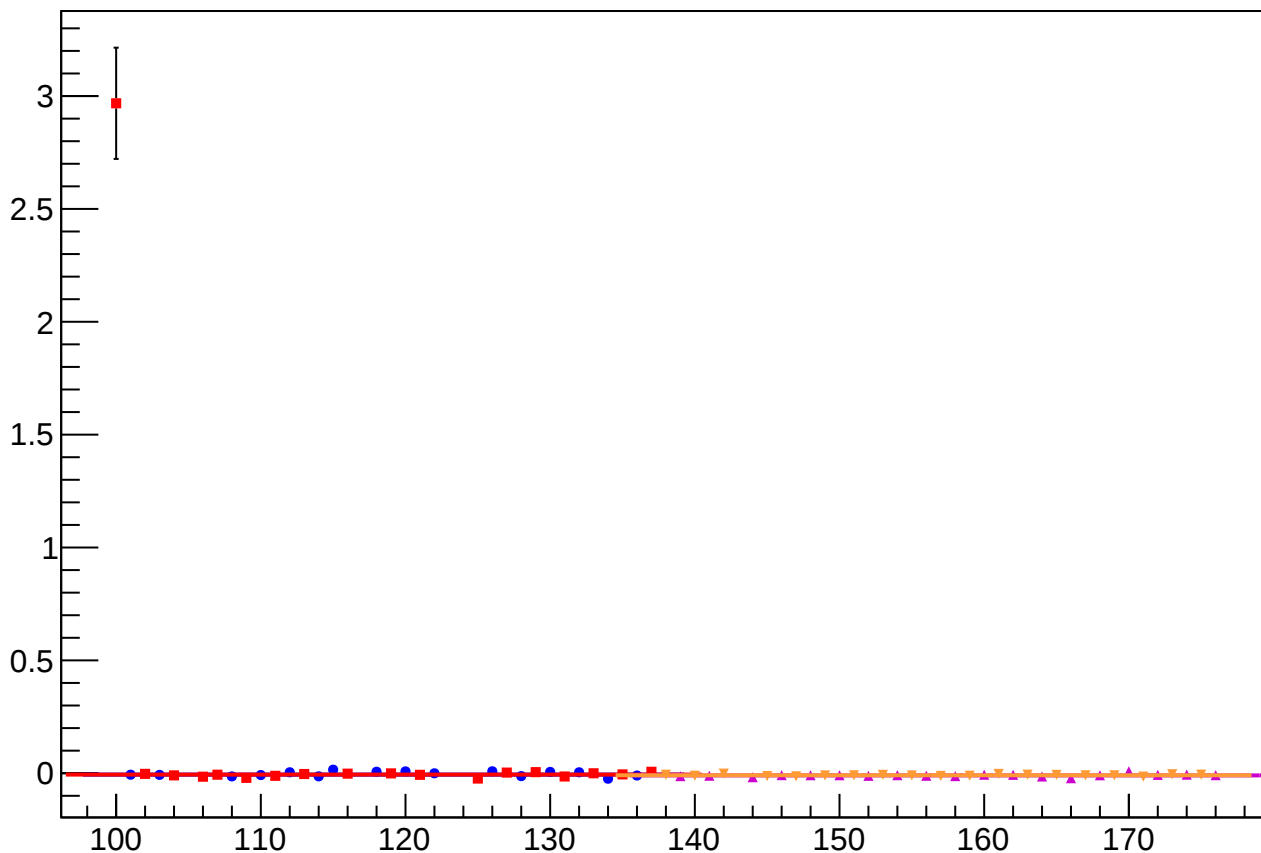
Right: -0.031 ± 0.020 χ^2/NDF : 51.0/33

In: -0.029 ± 0.015 χ^2/NDF : 47.2/34

Out: -0.003 ± 0.015 χ^2/NDF : 56.5/36

All: -0.016 ± 0.011 χ^2/NDF : 105.1/71

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: -0.009 ± 0.001 χ^2/NDF : 15.1/18

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

Left In: -0.010 ± 0.001 χ^2/NDF : 30.7/18

Left: -0.009 ± 0.001 χ^2/NDF : 46.0/37

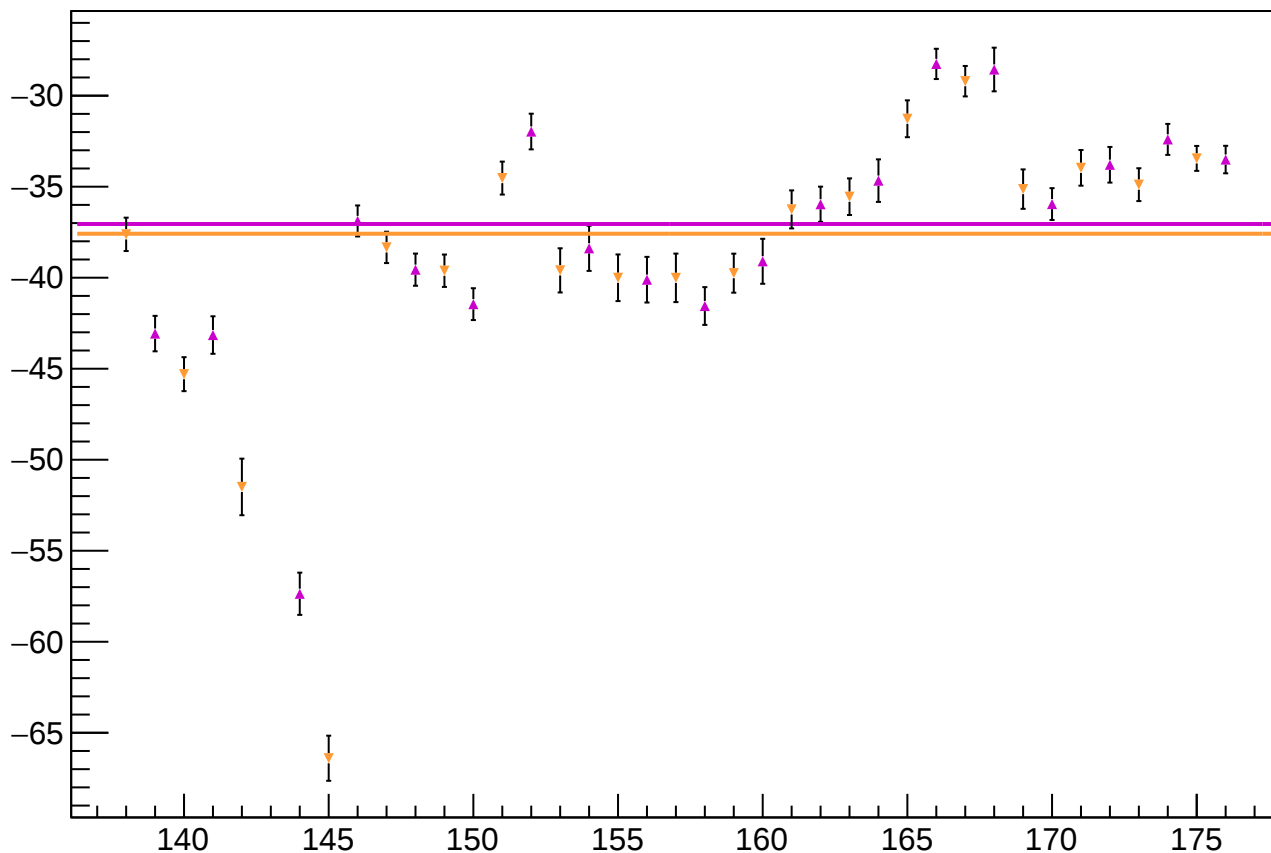
Right: -0.006 ± 0.001 χ^2/NDF : 193.3/33

In: -0.009 ± 0.001 χ^2/NDF : 62.2/34

Out: -0.008 ± 0.001 χ^2/NDF : 184.2/36

All: -0.009 ± 0.001 χ^2/NDF : 246.7/71

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: -37.584+/-0.226 χ^2/NDF :929.2/18

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

Left In: -37.050+/-0.223 χ^2/NDF :700.4/18

Left: -37.314+/-0.159 χ^2/NDF : 1632.4/37

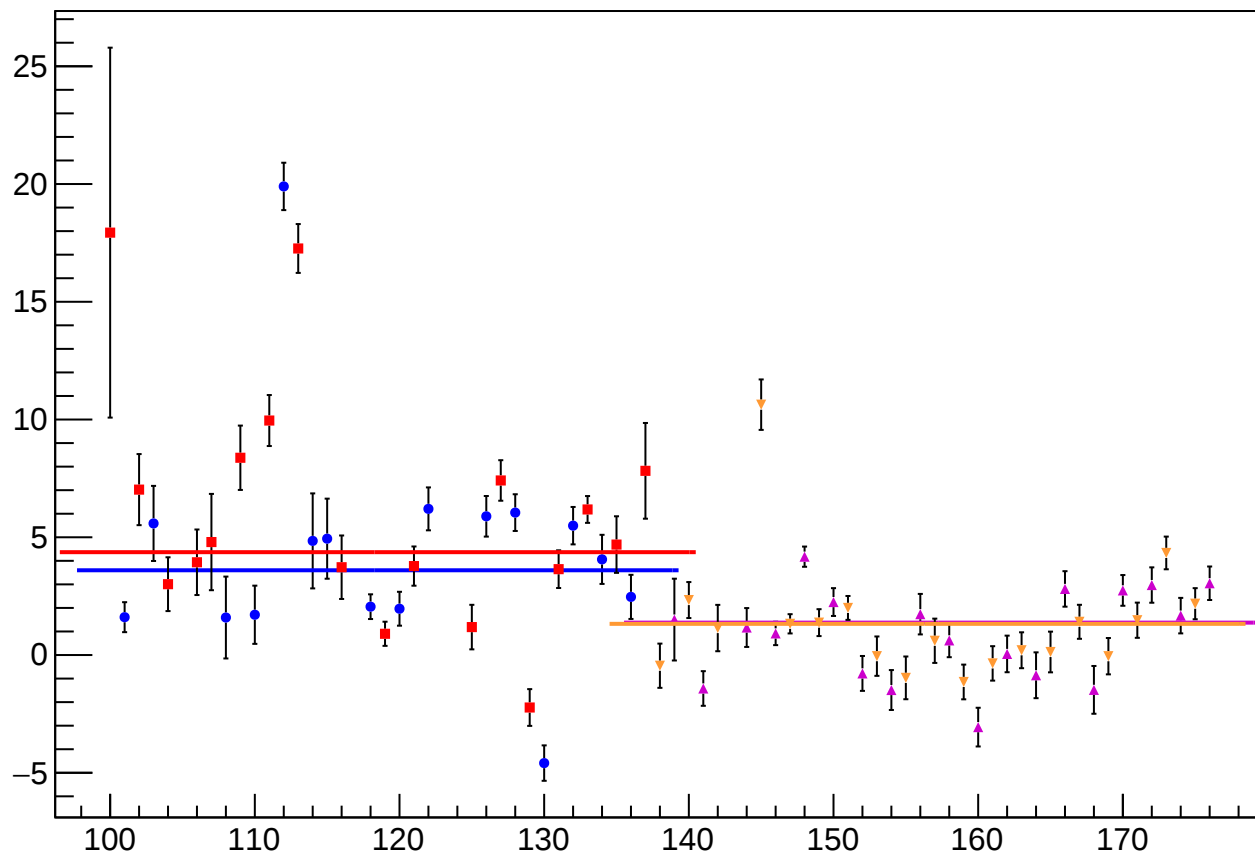
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.050+/-0.223 χ^2/NDF :700.4/18

Out: -37.584+/-0.226 χ^2/NDF :929.2/18

All: -37.314+/-0.159 χ^2/NDF : 1632.4/37

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 443.4/15$

Left Out: 1.324 ± 0.162 $\chi^2/\text{NDF}: 136.6/18$

Right Out: 4.367 ± 0.225 $\chi^2/\text{NDF}: 353.1/17$

Left In: 1.376 ± 0.164 $\chi^2/\text{NDF}: 144.8/18$

Left: 1.350 ± 0.115 $\chi^2/\text{NDF}: 281.4/37$

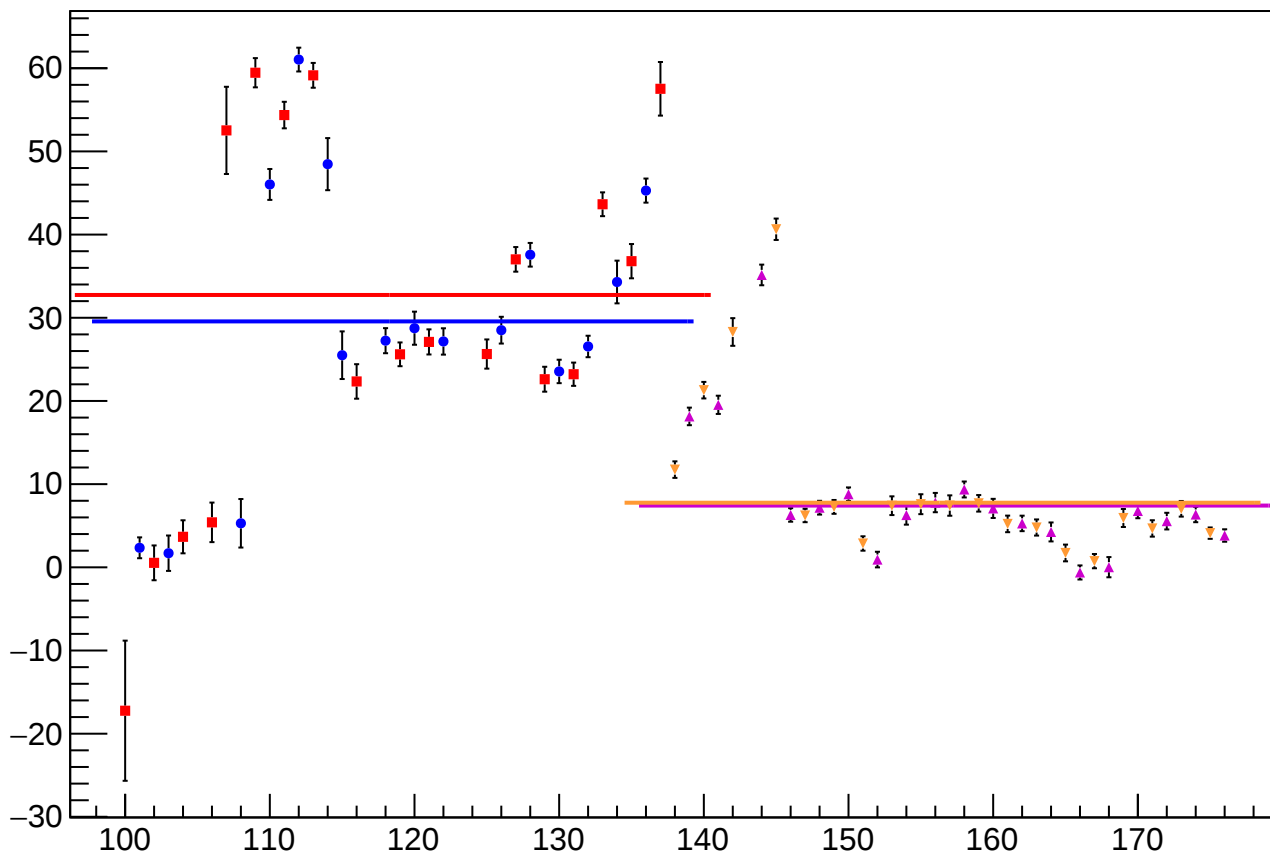
Right: 3.975 ± 0.157 $\chi^2/\text{NDF}: 802.5/33$

In: 2.167 ± 0.131 $\chi^2/\text{NDF}: 653.8/34$

Out: 2.366 ± 0.132 $\chi^2/\text{NDF}: 610.1/36$

All: 2.266 ± 0.093 $\chi^2/\text{NDF}: 1265.1/71$

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: 7.768 $\pm$ 0.223 χ^2 /NDF:1204.4/18

Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

Left In: 7.424 $\pm$ 0.220 χ^2 /NDF:951.2/18

Left: 7.594 $\pm$ 0.157 χ^2 /NDF: 2156.8/37

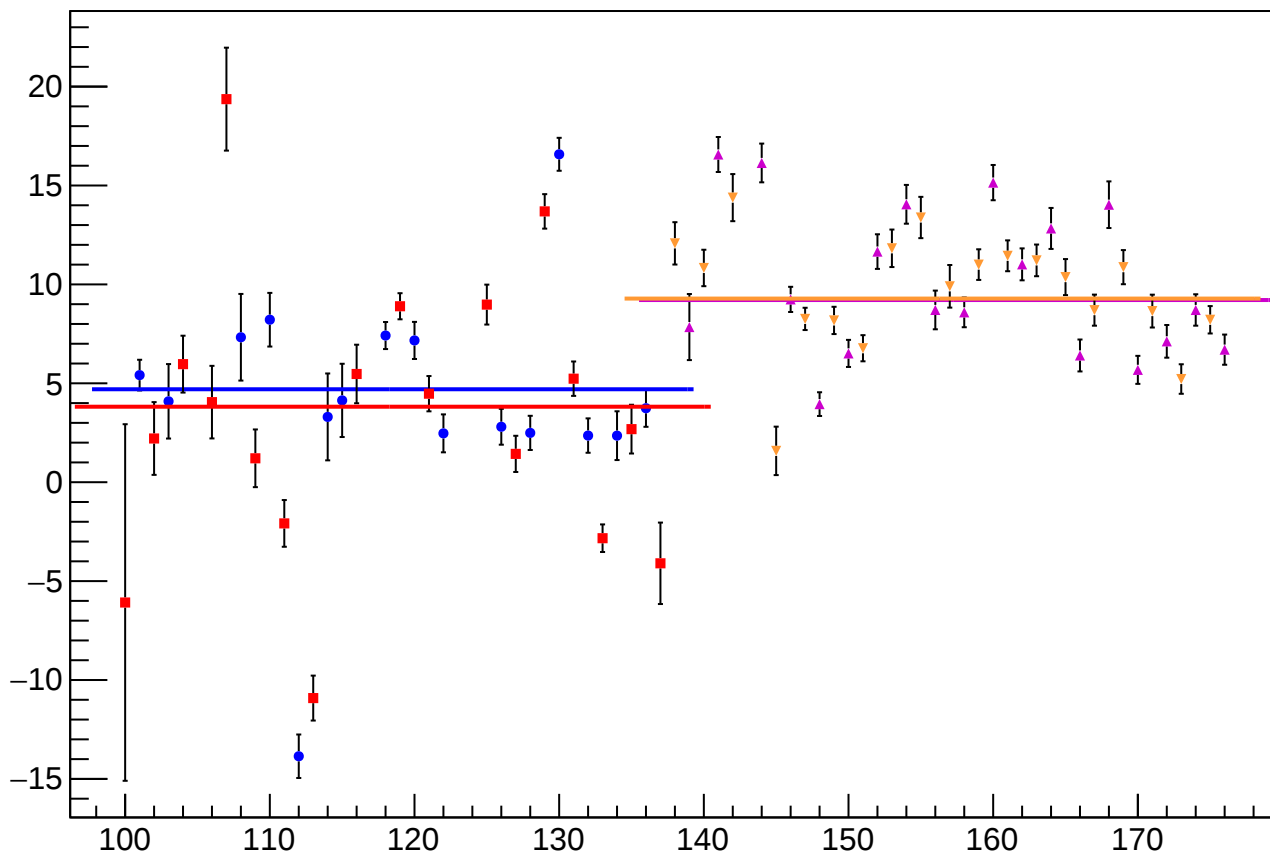
Right: 31.140 $\pm$ 0.298 χ^2 /NDF: 3186.3/33

In: 12.215 $\pm$ 0.195 χ^2 /NDF:4628.0/34

Out: 13.216 $\pm$ 0.197 χ^2 /NDF:5596.2/36

All: 12.710 $\pm$ 0.139 χ^2 /NDF: 10237.2/71

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: 9.284 $\pm$ 0.188 χ^2 /NDF:167.2/18

Right Out: 3.817 $\pm$ 0.258 χ^2 /NDF: 567.6/17

Left In: 9.210 $\pm$ 0.189 χ^2 /NDF:378.4/18

Left: 9.247 $\pm$ 0.133 χ^2 /NDF: 545.7/37

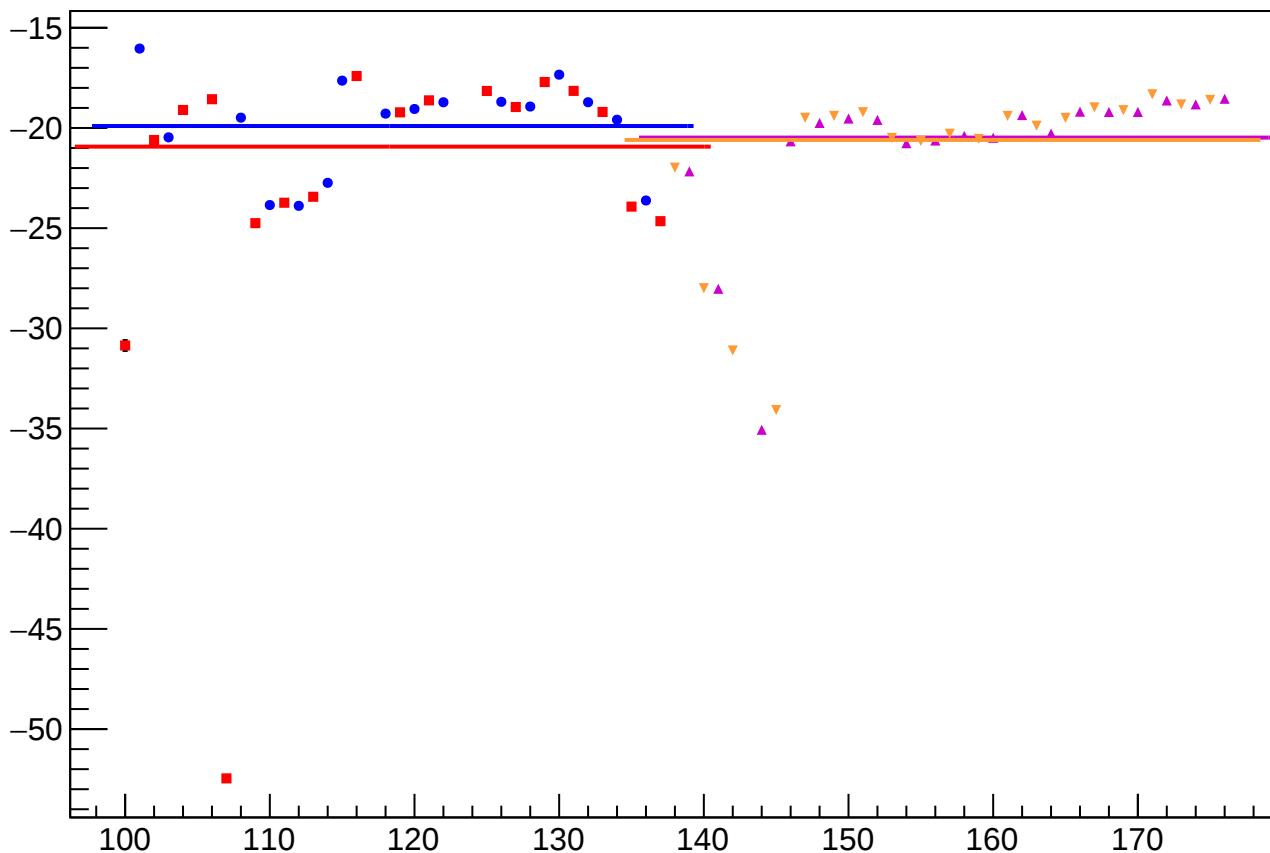
Right: 4.265 $\pm$ 0.181 χ^2 /NDF: 1122.4/33

In: 7.601 $\pm$ 0.152 χ^2 /NDF:1130.2/34

Out: 7.389 $\pm$ 0.152 χ^2 /NDF:1027.2/36

All: 7.495 $\pm$ 0.107 χ^2 /NDF: 2158.4/71

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: -20.598 ± 0.009 $\chi^2/\text{NDF}: 144778.4/18$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

Left In: -20.481 ± 0.009 $\chi^2/\text{NDF}: 117611.8/18$

Left: -20.538 ± 0.006 $\chi^2/\text{NDF}: 262478.1/37$

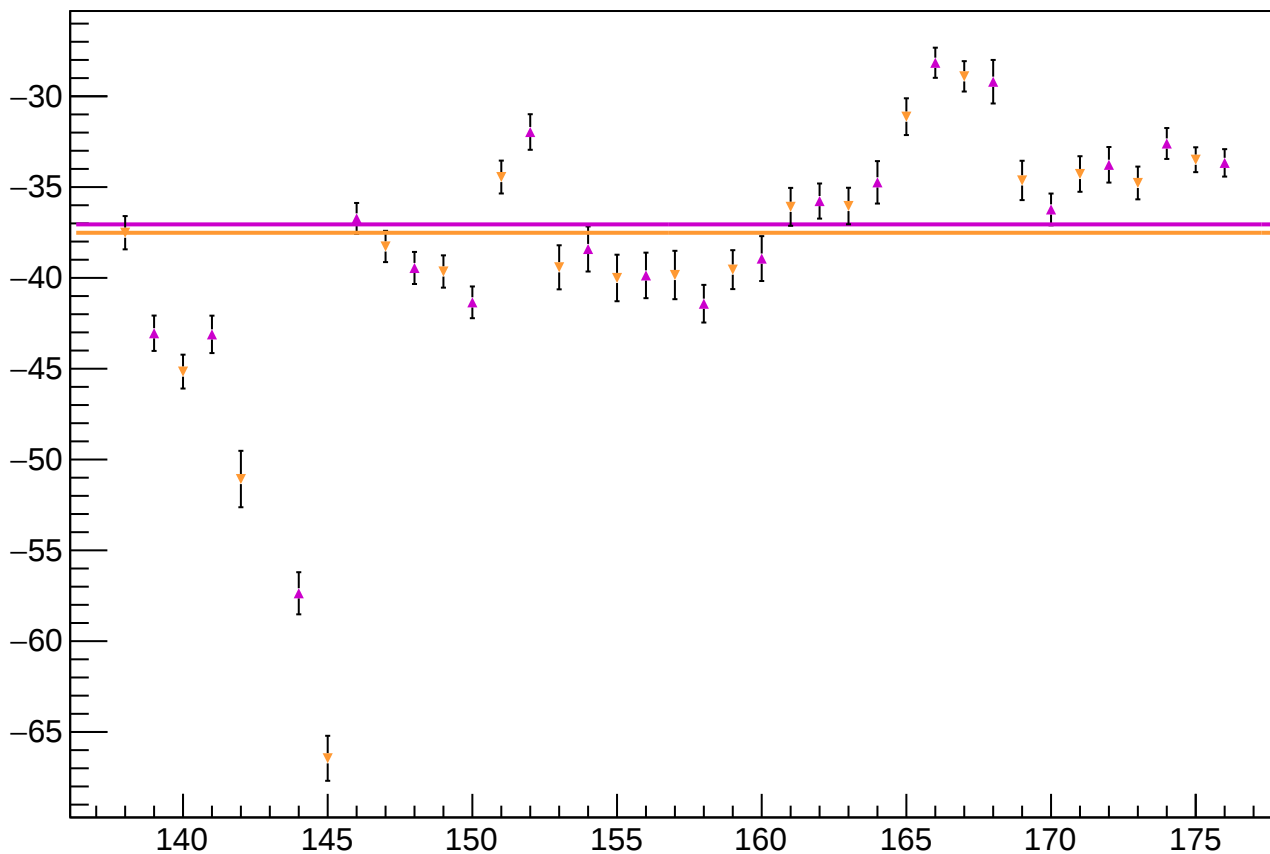
Right: -20.414 ± 0.011 $\chi^2/\text{NDF}: 122212.6/33$

In: -20.344 ± 0.008 $\chi^2/\text{NDF}: 144709.1/34$

Out: -20.679 ± 0.008 $\chi^2/\text{NDF}: 239126.7/36$

All: -20.508 ± 0.005 $\chi^2/\text{NDF}: 384784.8/71$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



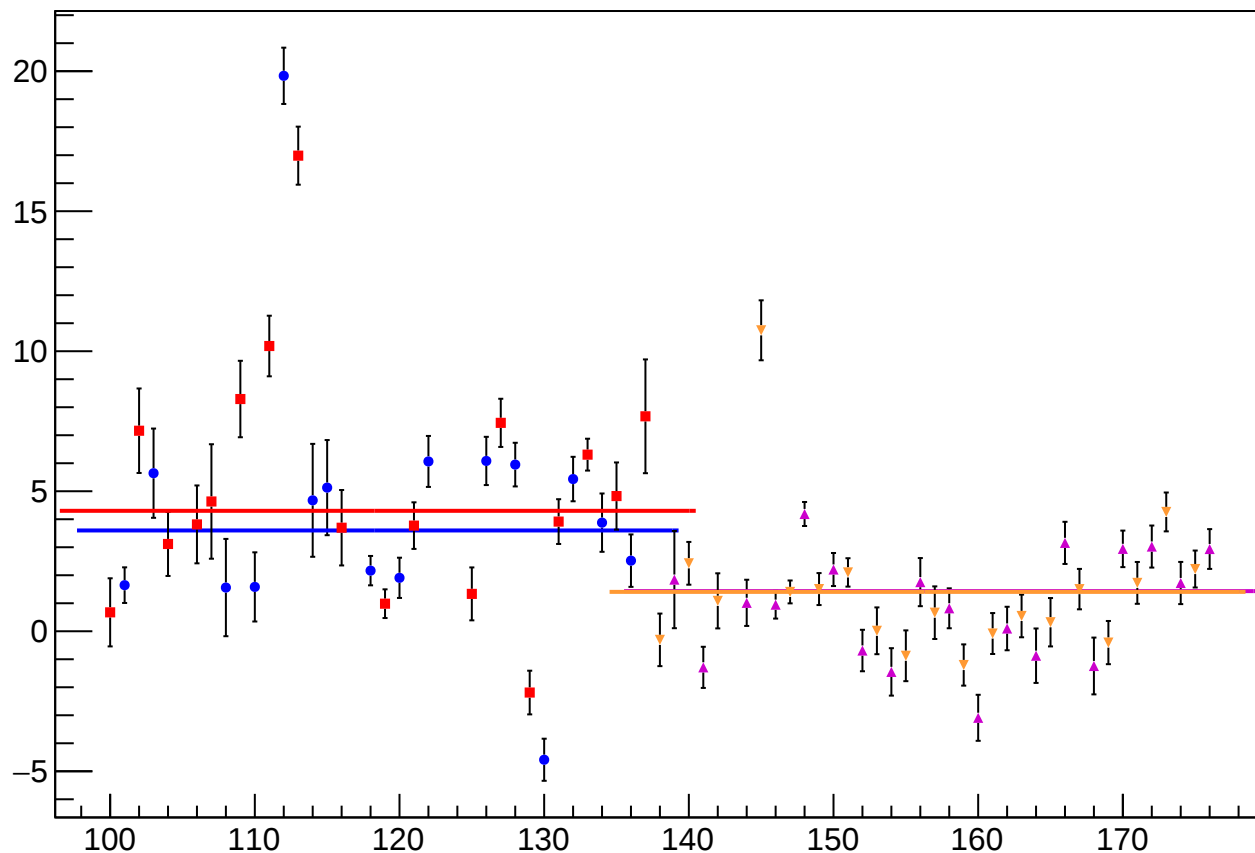
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -37.516+/-0.226 χ^2/NDF : 931.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -37.054+/-0.223 χ^2/NDF : 687.1/18

Left: -37.282+/-0.159 χ^2/NDF : 1620.9/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.054+/-0.223 χ^2/NDF : 687.1/18
 Out: -37.516+/-0.226 χ^2/NDF : 931.7/18

All: -37.282+/-0.159 χ^2/NDF : 1620.9/37

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: 1.407 $\pm$ 0.162 χ^2 /NDF:136.7/18

Right Out: 4.301 $\pm$ 0.221 χ^2 /NDF: 352.1/17

Left In: 1.433 $\pm$ 0.164 χ^2 /NDF:144.2/18

Left: 1.420 $\pm$ 0.115 χ^2 /NDF: 280.9/37

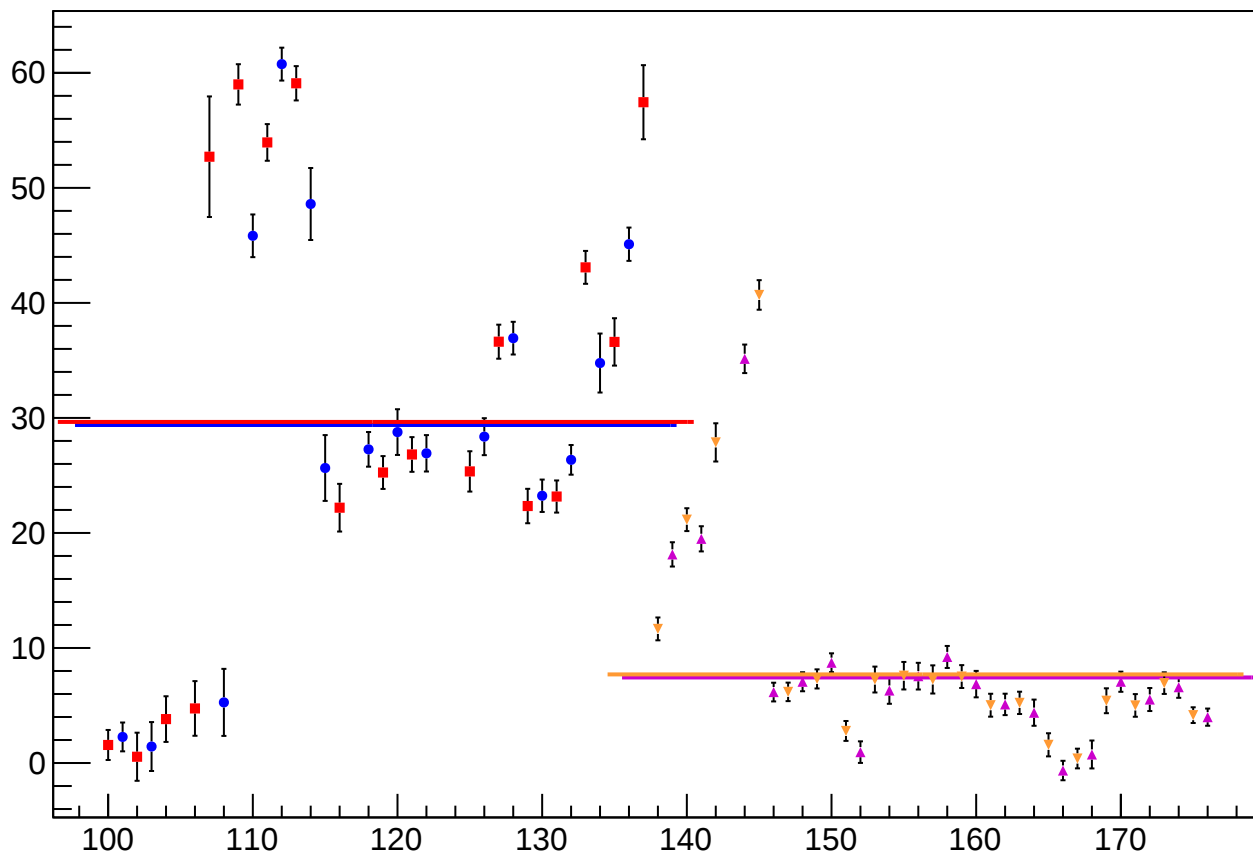
Right: 3.949 $\pm$ 0.156 χ^2 /NDF: 797.4/33

In: 2.204 $\pm$ 0.131 χ^2 /NDF:646.8/34

Out: 2.419 $\pm$ 0.131 χ^2 /NDF:600.3/36

All: 2.312 $\pm$ 0.093 χ^2 /NDF: 1248.5/71

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 ± 0.419 χ^2/NDF : 1488.6/15

Left Out: 7.702 ± 0.223 χ^2/NDF : 1205.0/18

Right Out: 29.652 ± 0.402 χ^2/NDF : 2131.0/17

Left In: 7.436 ± 0.220 χ^2/NDF : 942.1/18

Left: 7.568 ± 0.157 χ^2/NDF : 2147.8/37

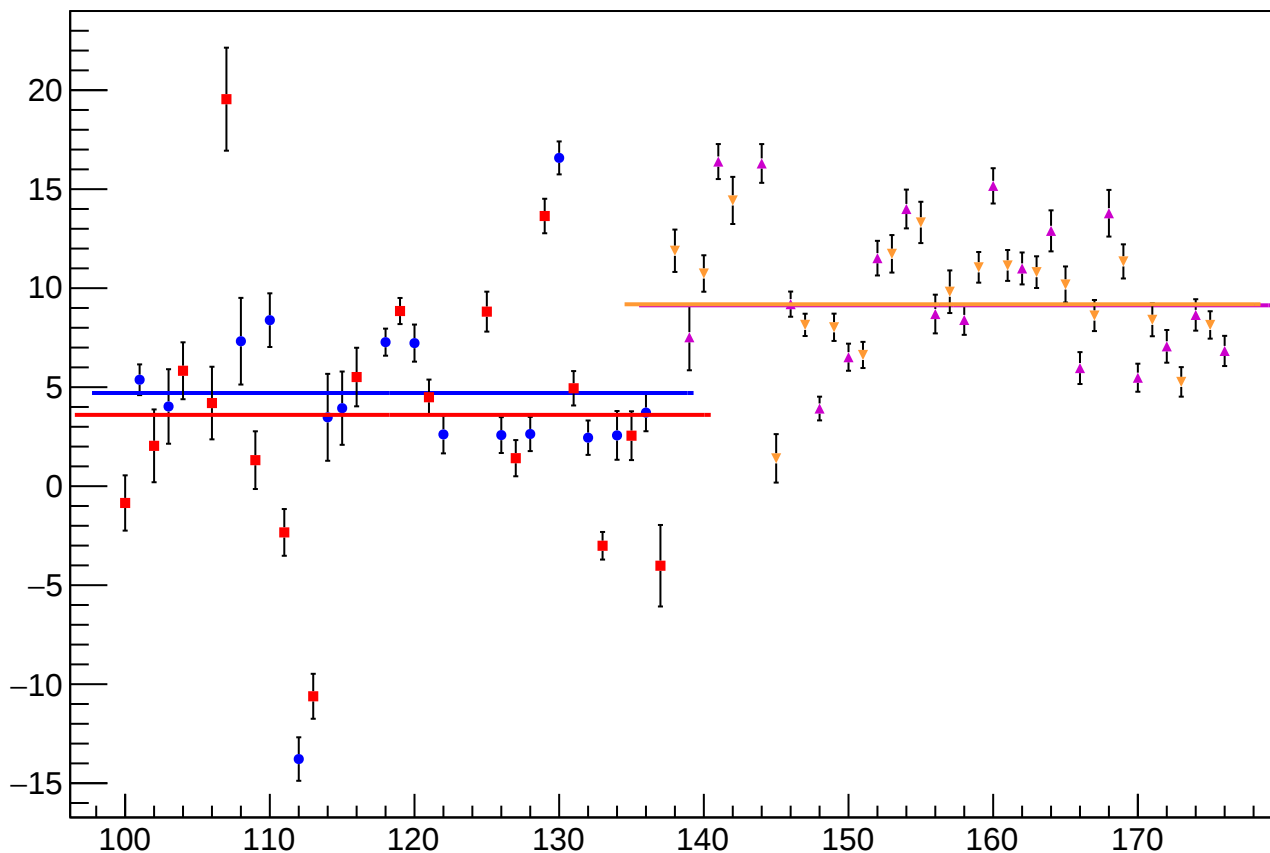
Right: 29.525 ± 0.290 χ^2/NDF : 3619.8/33

In: 12.187 ± 0.195 χ^2/NDF : 4578.6/34

Out: 12.867 ± 0.195 χ^2/NDF : 5611.9/36

All: 12.527 ± 0.138 χ^2/NDF : 10196.6/71

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 $\pm$ 0.254 χ^2 /NDF: 545.2/15

Left Out: 9.186 $\pm$ 0.188 χ^2 /NDF:168.7/18

Right Out: 3.601 $\pm$ 0.254 χ^2 /NDF: 573.4/17

Left In: 9.134 $\pm$ 0.189 χ^2 /NDF:383.4/18

Left: 9.160 $\pm$ 0.133 χ^2 /NDF: 552.1/37

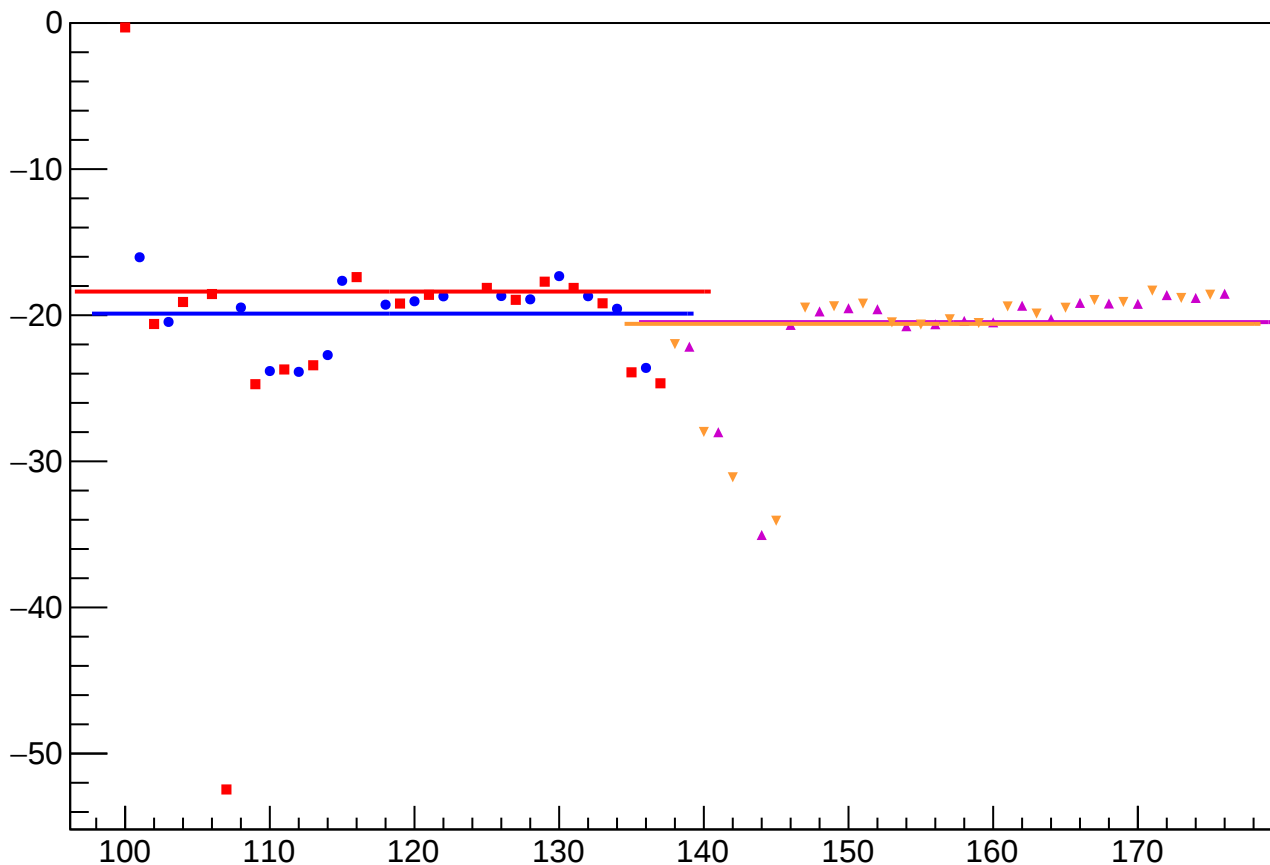
Right: 4.154 $\pm$ 0.180 χ^2 /NDF: 1128.1/33

In: 7.555 $\pm$ 0.152 χ^2 /NDF:1124.3/34

Out: 7.209 $\pm$ 0.151 χ^2 /NDF:1054.3/36

All: 7.381 $\pm$ 0.107 χ^2 /NDF: 2181.2/71

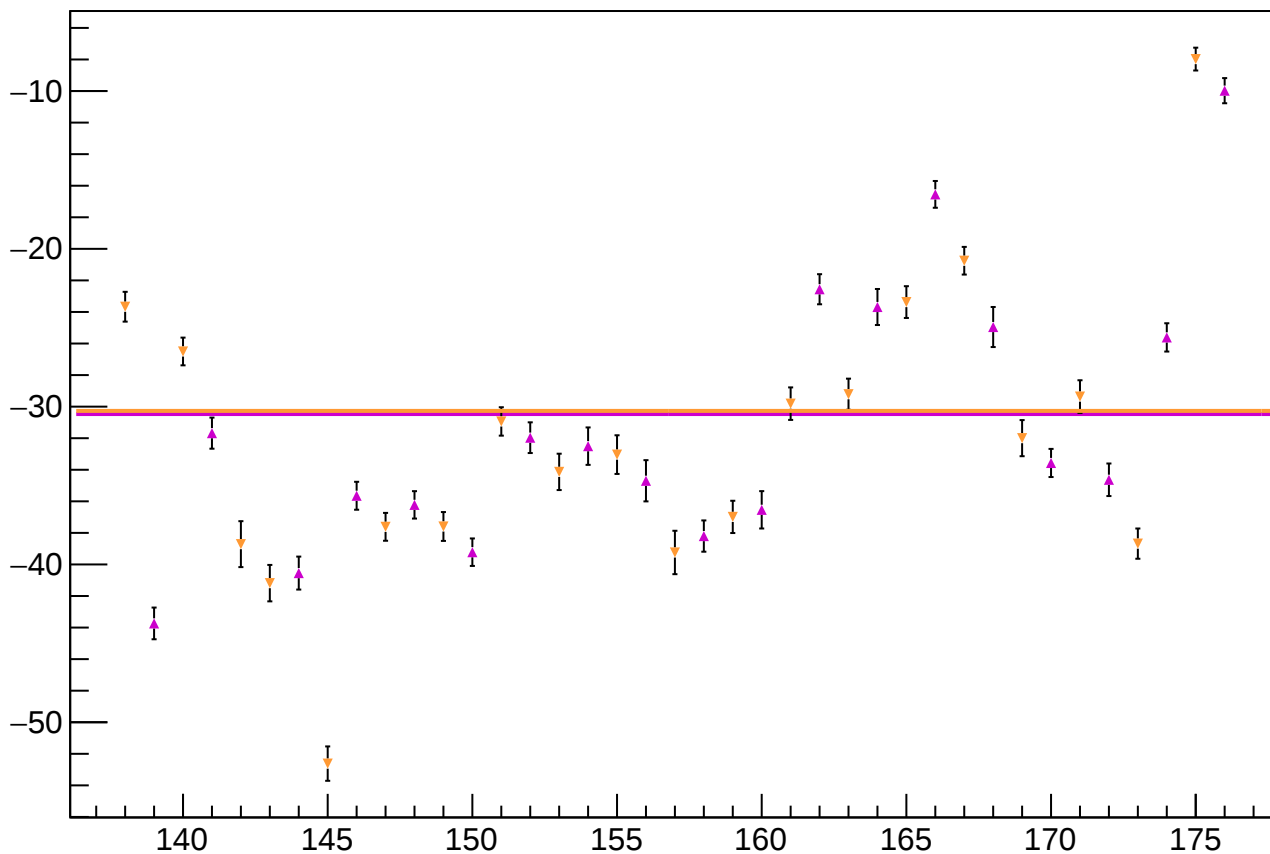
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$
 Left Out: -20.590 ± 0.009 $\chi^2/\text{NDF}: 144857.1/18$
 Right Out: -18.380 ± 0.015 $\chi^2/\text{NDF}: 300999.4/17$
 Left In: -20.472 ± 0.009 $\chi^2/\text{NDF}: 117525.4/18$

Left: -20.529 ± 0.006 $\chi^2/\text{NDF}: 262472.2/37$
 Right: -19.091 ± 0.011 $\chi^2/\text{NDF}: 331979.2/33$
 In: -20.335 ± 0.008 $\chi^2/\text{NDF}: 144626.5/34$
 Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 462296.2/36$
 All: -20.167 ± 0.005 $\chi^2/\text{NDF}: 607898.4/71$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



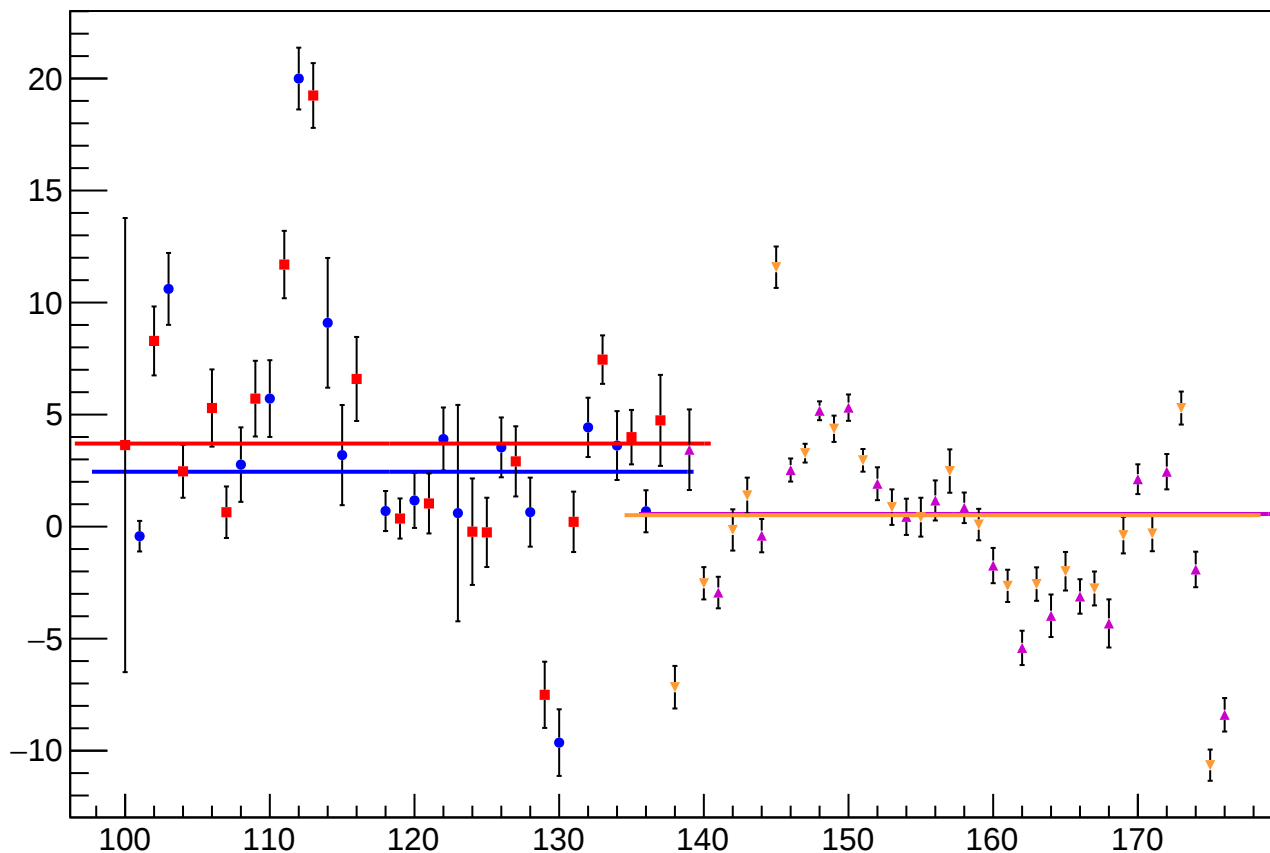
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -30.269+/-0.223 χ^2/NDF :2043.4/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -30.469+/-0.225 χ^2/NDF :1662.0/18

Left: -30.369+/-0.158 χ^2/NDF : 3705.7/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.469+/-0.225 χ^2/NDF :1662.0/18
 Out: -30.269+/-0.223 χ^2/NDF :2043.4/19

All: -30.369+/-0.158 χ^2/NDF : 3705.7/38

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: 0.510 ± 0.159 $\chi^2/\text{NDF}: 707.4/19$

Right Out: 3.707 ± 0.326 $\chi^2/\text{NDF}: 269.4/18$

Left In: 0.563 ± 0.163 $\chi^2/\text{NDF}: 533.0/18$

Left: 0.536 ± 0.114 $\chi^2/\text{NDF}: 1240.5/38$

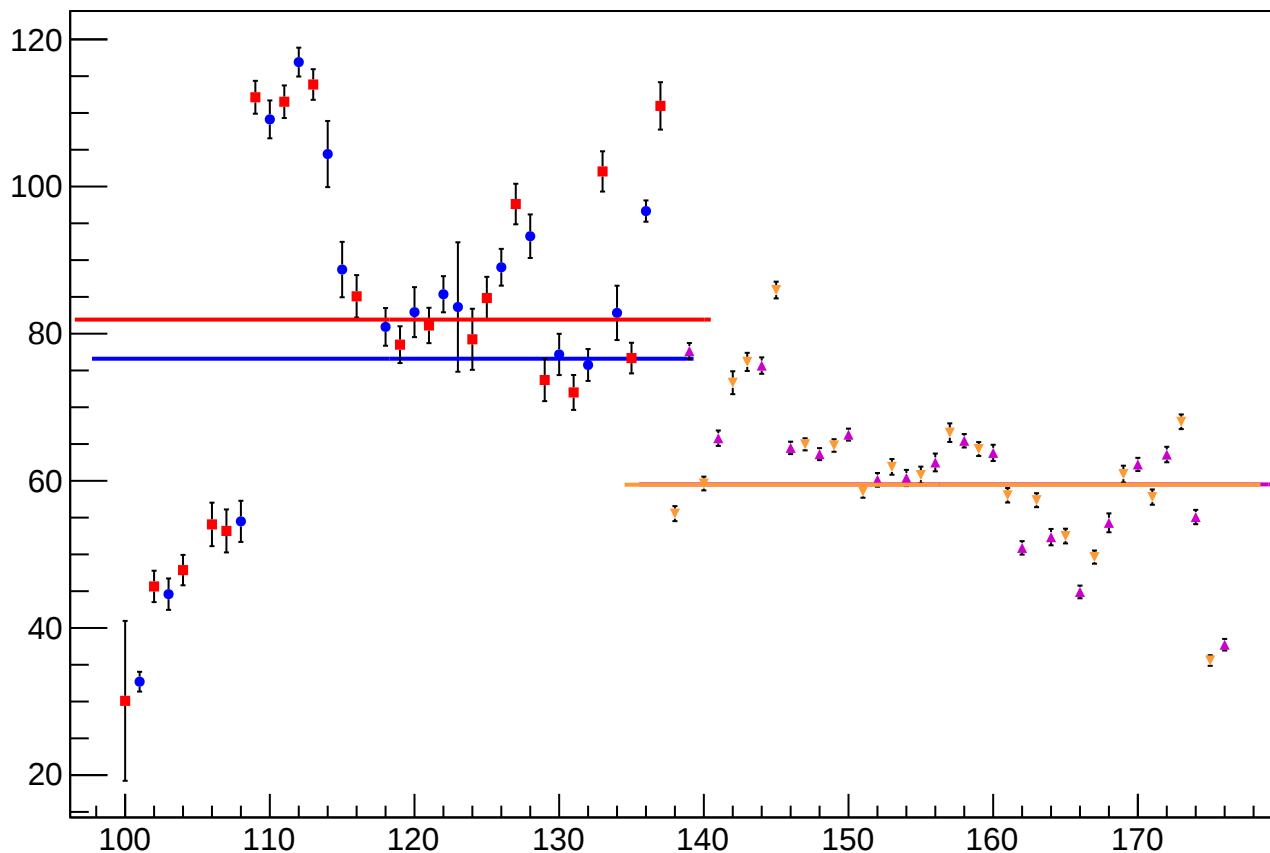
Right: 3.055 ± 0.226 $\chi^2/\text{NDF}: 572.4/35$

In: 0.964 ± 0.145 $\chi^2/\text{NDF}: 856.7/35$

Out: 1.126 ± 0.143 $\chi^2/\text{NDF}: 1054.3/38$

All: 1.046 ± 0.102 $\chi^2/\text{NDF}: 1911.6/74$

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: 59.473 $\pm$ 0.221 χ^2 /NDF:2314.9/19

Right Out: 81.916 $\pm$ 0.592 χ^2 /NDF: 1570.7/18

Left In: 59.514 $\pm$ 0.221 χ^2 /NDF:1955.4/18

Left: 59.494 $\pm$ 0.156 χ^2 /NDF: 4270.4/38

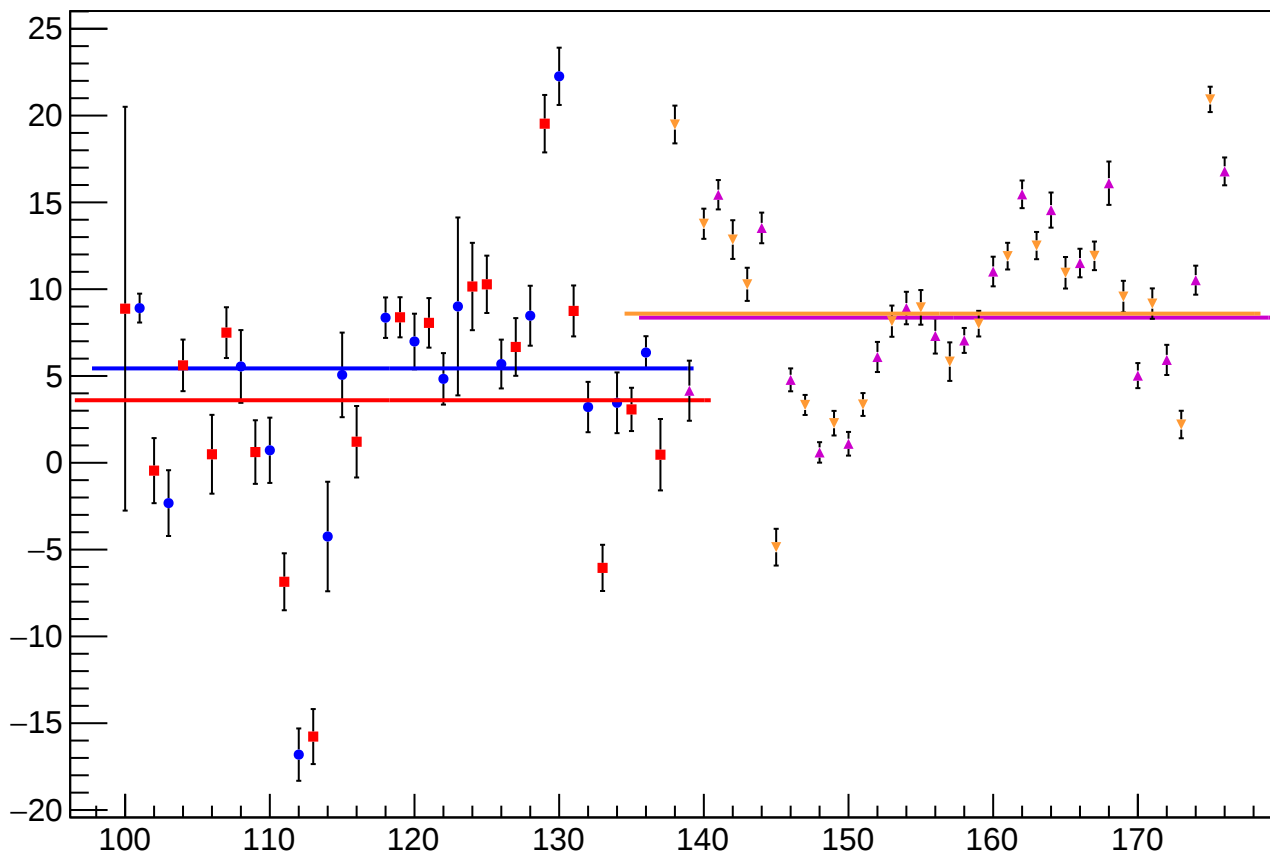
Right: 79.184 $\pm$ 0.413 χ^2 /NDF: 3867.3/35

In: 61.713 $\pm$ 0.207 χ^2 /NDF:4976.8/35

Out: 62.215 $\pm$ 0.207 χ^2 /NDF:5147.1/38

All: 61.963 $\pm$ 0.146 χ^2 /NDF: 10126.9/74

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 8.591 ± 0.185 $\chi^2/\text{NDF}: 966.4/19$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

Left In: 8.362 ± 0.189 $\chi^2/\text{NDF}: 764.4/18$

Left: 8.479 ± 0.132 $\chi^2/\text{NDF}: 1731.5/38$

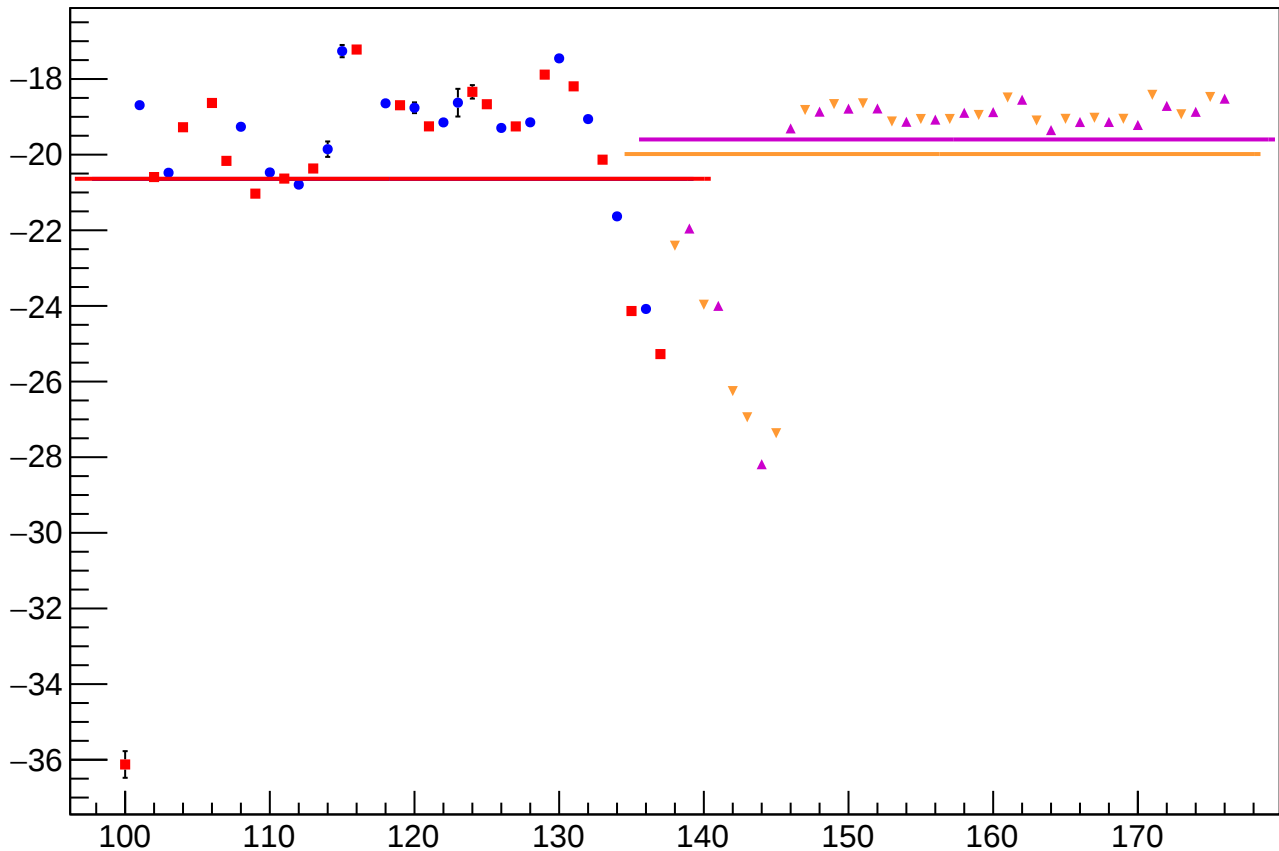
Right: 4.556 ± 0.260 $\chi^2/\text{NDF}: 823.0/35$

In: 7.731 ± 0.167 $\chi^2/\text{NDF}: 1203.3/35$

Out: 7.613 ± 0.166 $\chi^2/\text{NDF}: 1532.0/38$

All: 7.671 ± 0.118 $\chi^2/\text{NDF}: 2735.5/74$

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: -19.984 ± 0.009 $\chi^2/\text{NDF}: 84228.0/19$

Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13783.4/18$

Left In: -19.598 ± 0.009 $\chi^2/\text{NDF}: 51228.0/18$

Left: -19.790 ± 0.006 $\chi^2/\text{NDF}: 136420.2/38$

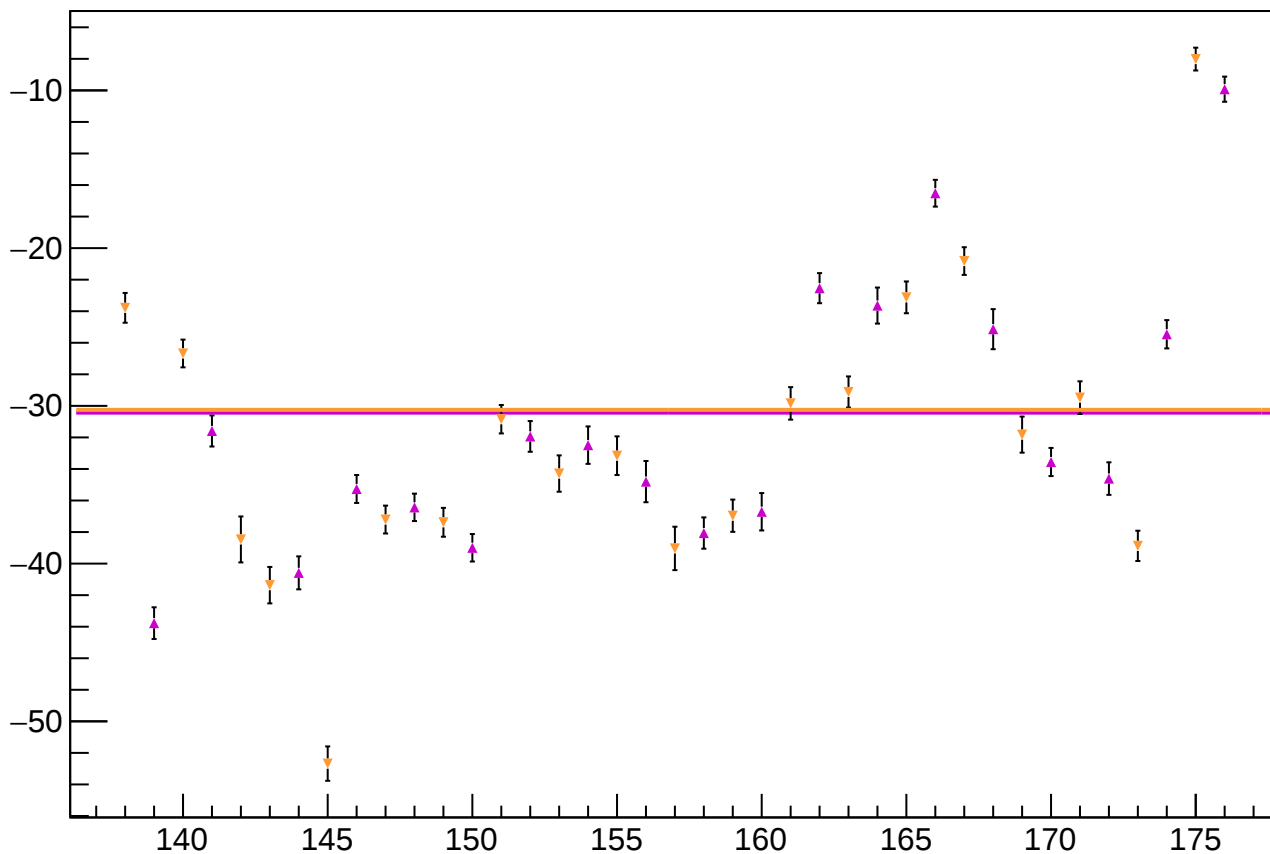
Right: -20.640 ± 0.014 $\chi^2/\text{NDF}: 26214.9/35$

In: -19.776 ± 0.008 $\chi^2/\text{NDF}: 66077.3/35$

Out: -20.096 ± 0.008 $\chi^2/\text{NDF}: 98948.7/38$

All: -19.934 ± 0.006 $\chi^2/\text{NDF}: 165825.9/74$

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: -30.252+/-0.223 χ^2/NDF :2030.8/19

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

Left In: -30.429+/-0.225 χ^2/NDF :1659.5/18

Left: -30.340+/-0.158 χ^2/NDF : 3690.7/38

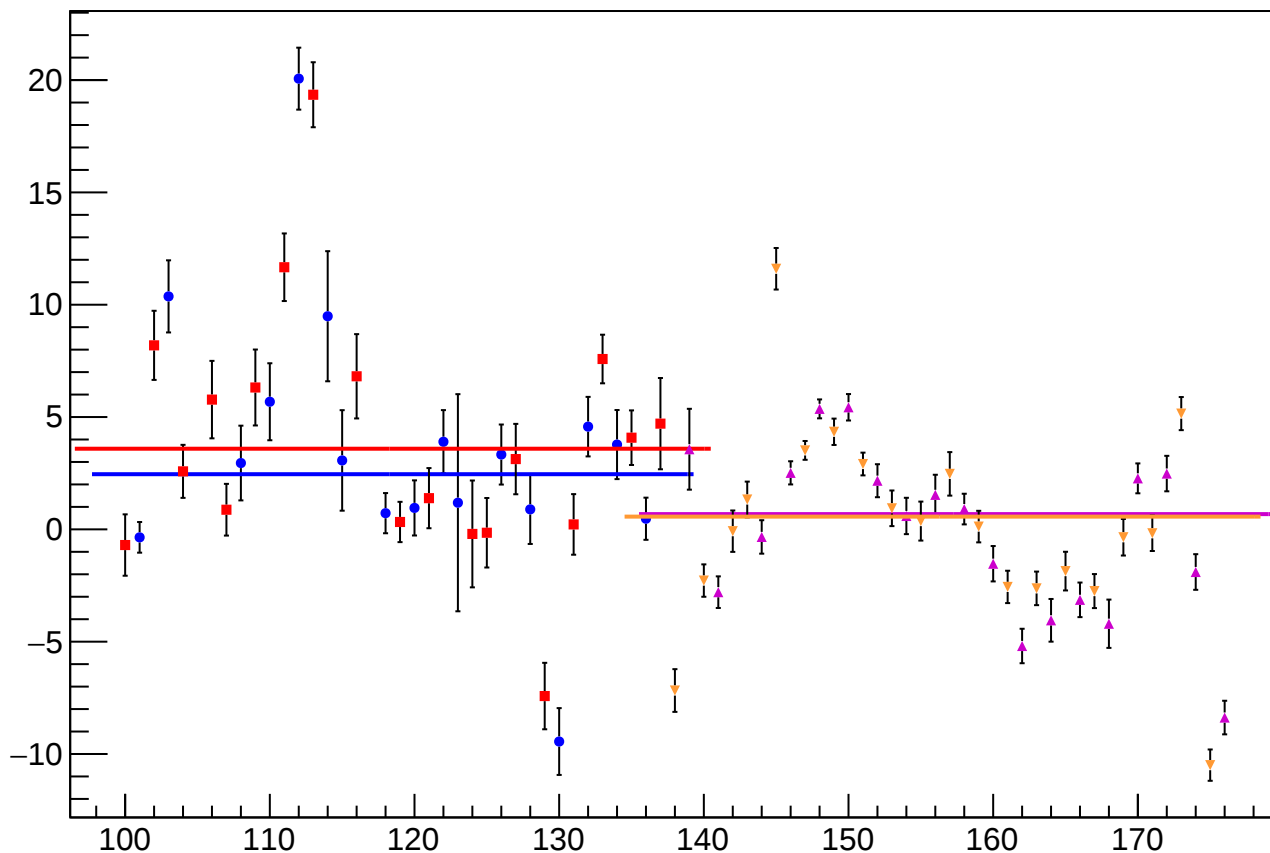
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.429+/-0.225 χ^2/NDF :1659.5/18

Out: -30.252+/-0.223 χ^2/NDF :2030.8/19

All: -30.340+/-0.158 χ^2/NDF : 3690.7/38

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: 0.567 ± 0.160 $\chi^2/\text{NDF}: 699.6/19$

Right Out: 3.590 ± 0.318 $\chi^2/\text{NDF}: 279.8/18$

Left In: 0.679 ± 0.164 $\chi^2/\text{NDF}: 540.1/18$

Left: 0.621 ± 0.114 $\chi^2/\text{NDF}: 1240.0/38$

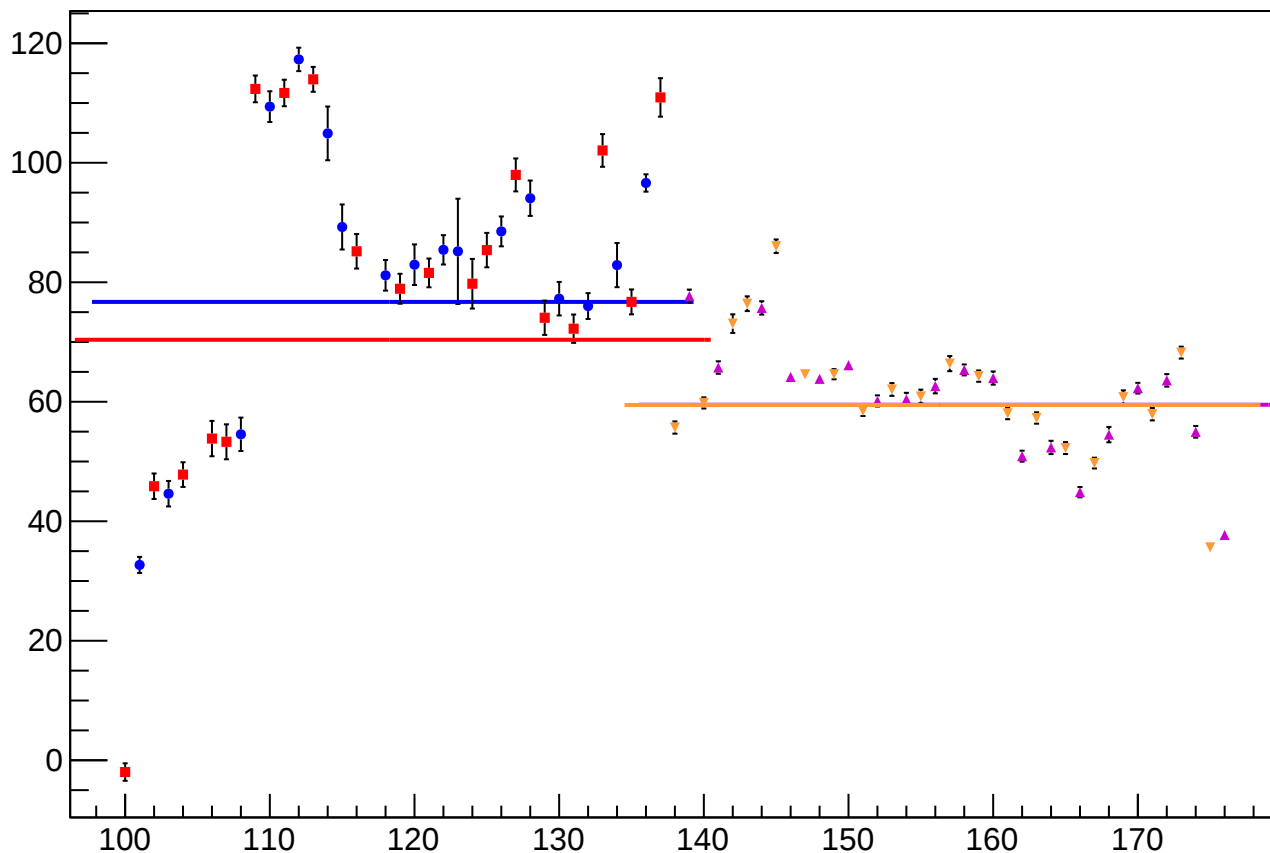
Right: 3.017 ± 0.224 $\chi^2/\text{NDF}: 579.8/35$

In: 1.057 ± 0.145 $\chi^2/\text{NDF}: 858.7/35$

Out: 1.175 ± 0.143 $\chi^2/\text{NDF}: 1051.7/38$

All: 1.117 ± 0.102 $\chi^2/\text{NDF}: 1910.8/74$

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: 59.462 $\pm$ 0.221 χ^2 /NDF:2308.5/19

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

Left In: 59.502 $\pm$ 0.222 χ^2 /NDF:1951.8/18

Left: 59.482 $\pm$ 0.156 χ^2 /NDF: 4260.3/38

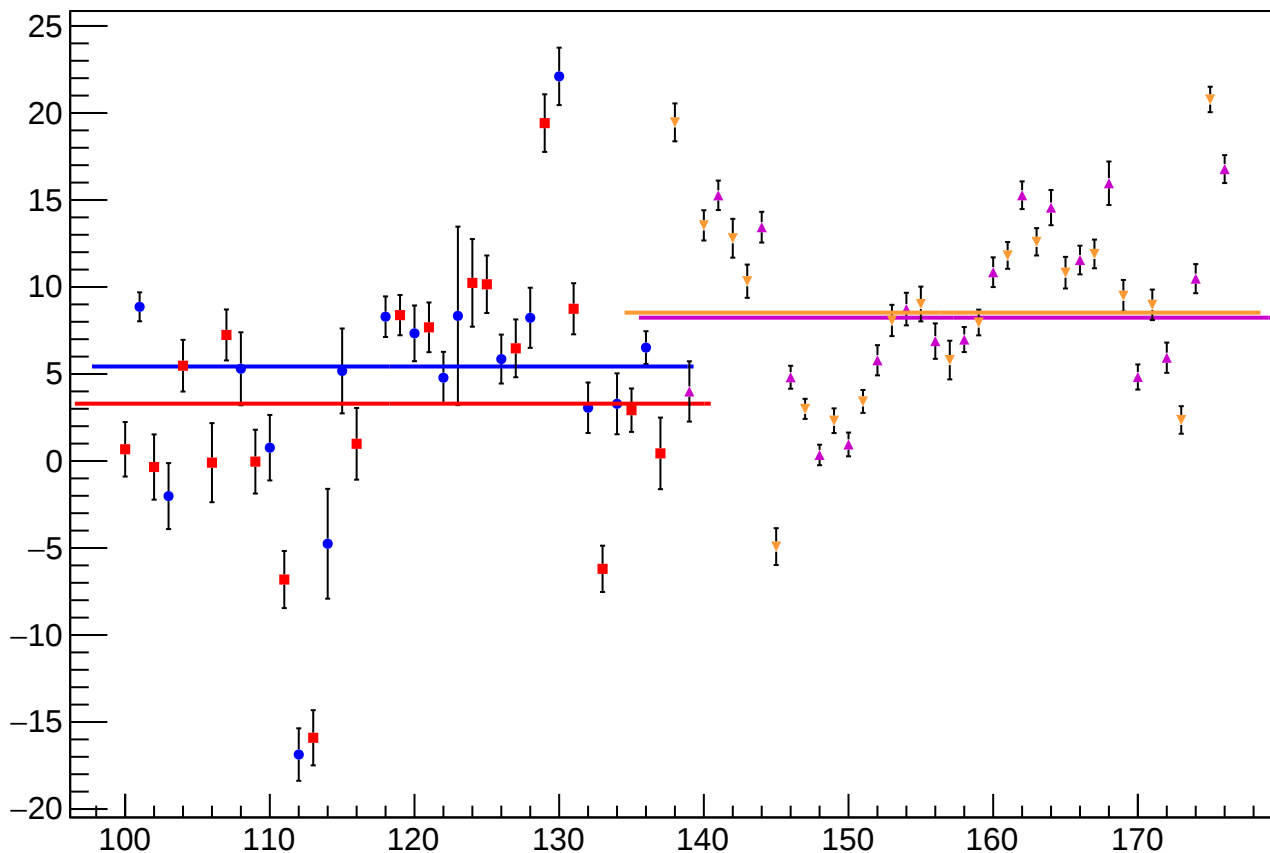
Right: 73.396 $\pm$ 0.398 χ^2 /NDF: 6720.6/35

In: 61.717 $\pm$ 0.207 χ^2 /NDF:4995.4/35

Out: 60.980 $\pm$ 0.205 χ^2 /NDF:7038.4/38

All: 61.345 $\pm$ 0.146 χ^2 /NDF: 12040.1/74

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: 8.527 ± 0.185 χ^2/NDF : 960.4/19

Right Out: 3.295 ± 0.365 χ^2/NDF : 426.1/18

Left In: 8.237 ± 0.189 χ^2/NDF : 772.9/18

Left: 8.385 ± 0.132 χ^2/NDF : 1734.6/38

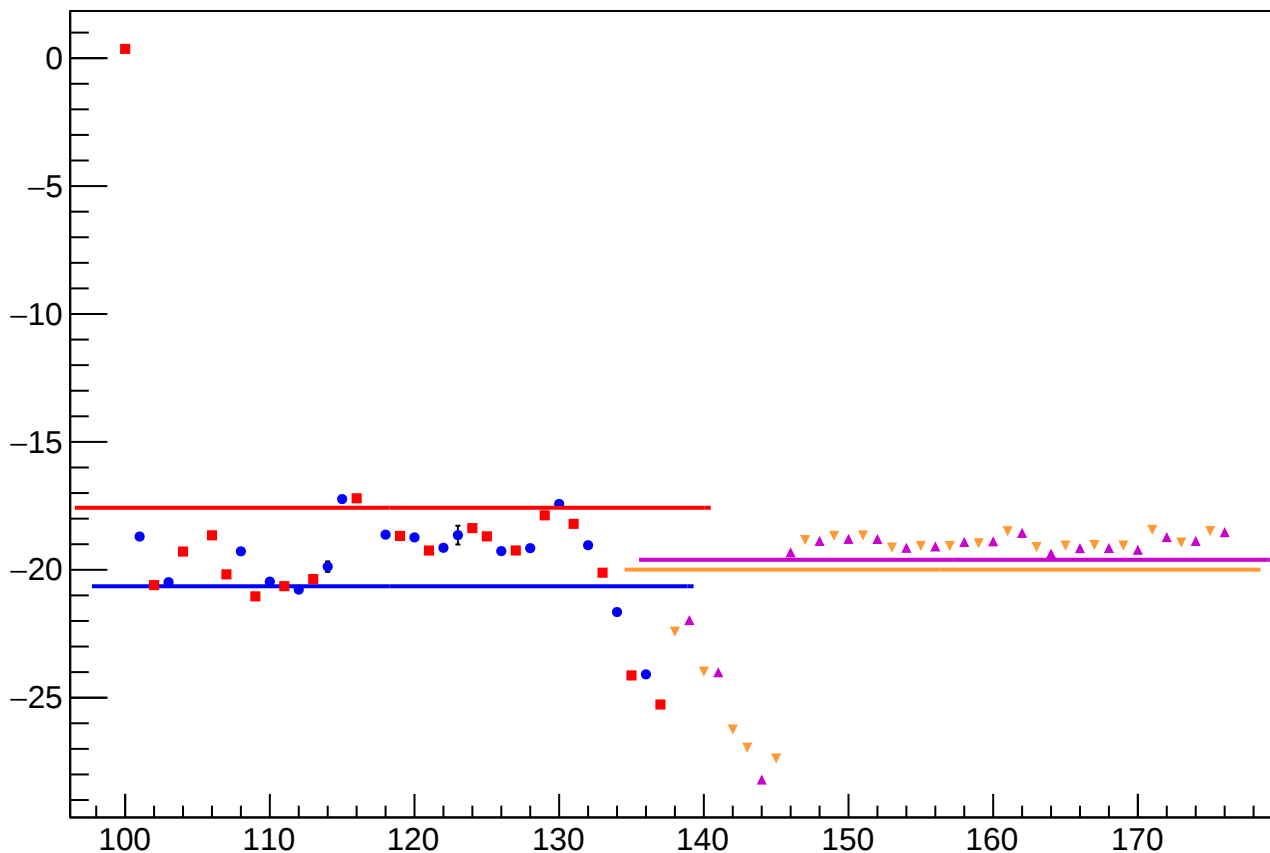
Right: 4.376 ± 0.257 χ^2/NDF : 829.3/35

In: 7.631 ± 0.167 χ^2/NDF : 1206.3/35

Out: 7.454 ± 0.165 χ^2/NDF : 1549.8/38

All: 7.542 ± 0.118 χ^2/NDF : 2756.7/74

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: -19.993 $\pm$ 0.009 χ^2/NDF : 84080.2/19

Right Out: -17.574 $\pm$ 0.018 χ^2/NDF : 178327.0/18

Left In: -19.608 $\pm$ 0.009 χ^2/NDF : 51171.0/18

Left: -19.799 $\pm$ 0.006 χ^2/NDF : 136210.5/38

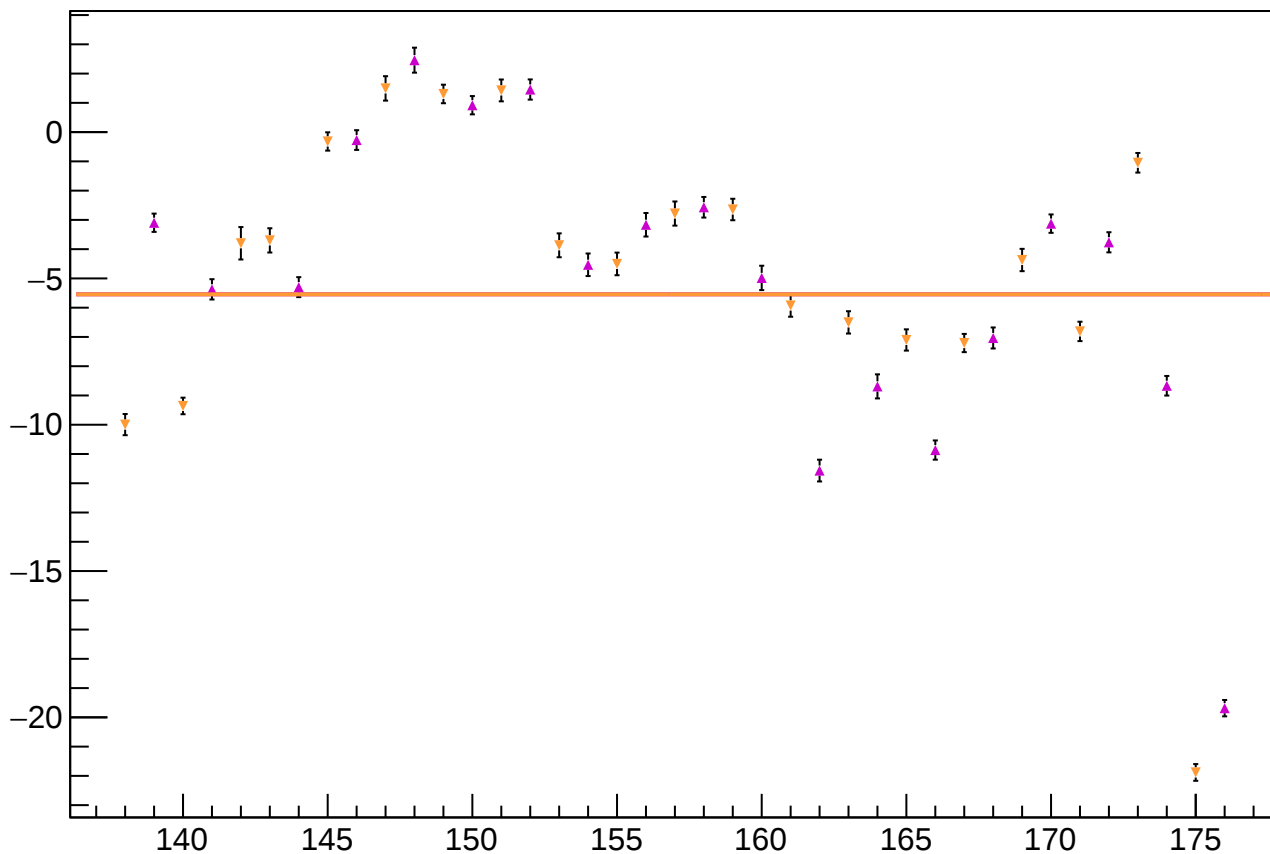
Right: -19.001 $\pm$ 0.013 χ^2/NDF : 204262.7/35

In: -19.784 $\pm$ 0.008 χ^2/NDF : 66015.7/35

Out: -19.526 $\pm$ 0.008 χ^2/NDF : 276925.5/38

All: -19.654 $\pm$ 0.006 χ^2/NDF : 343468.5/74

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



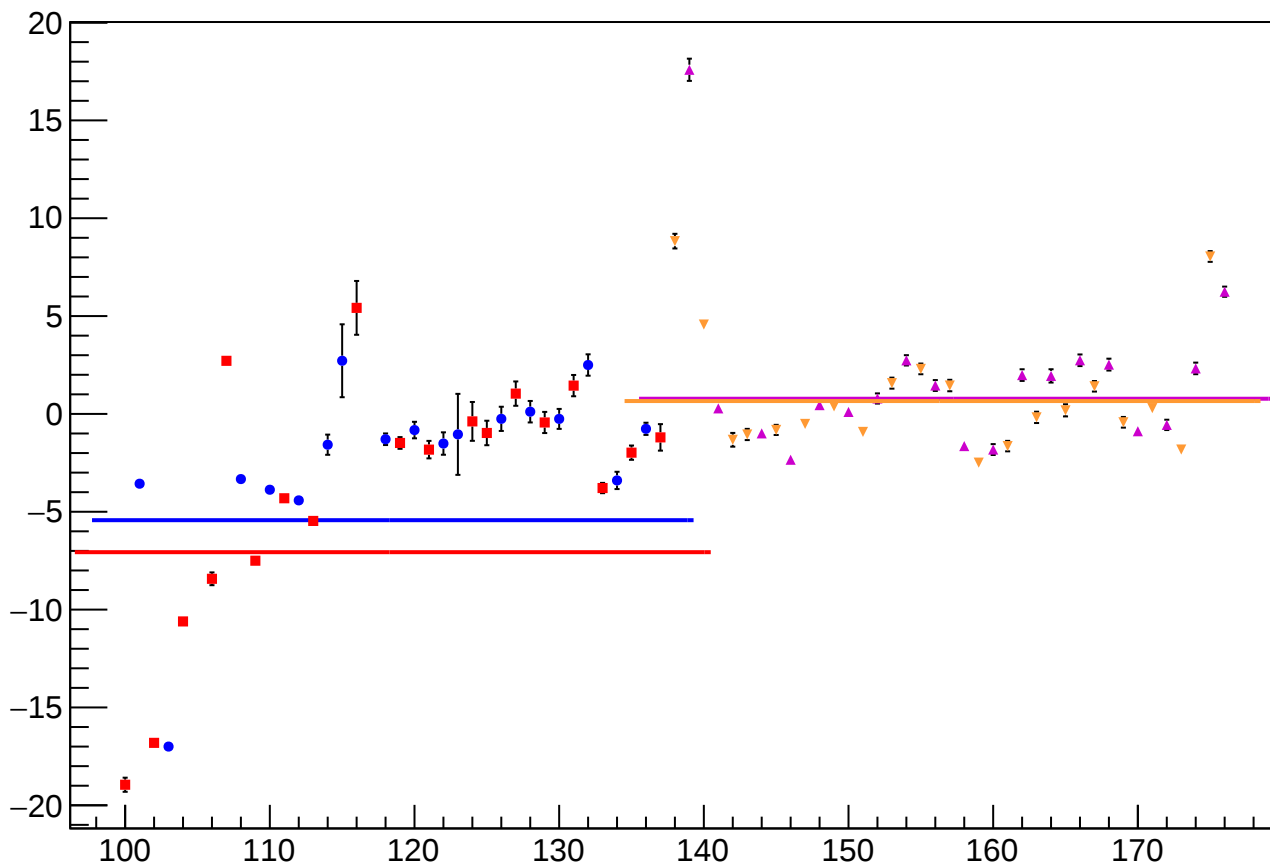
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -5.544 $\pm$ 0.080 χ^2 /NDF:5399.9/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.542 $\pm$ 0.080 χ^2 /NDF:4945.8/18

Left: -5.543 $\pm$ 0.056 χ^2 /NDF: 10345.6/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -5.542 $\pm$ 0.080 χ^2 /NDF:4945.8/18
 Out: -5.544 $\pm$ 0.080 χ^2 /NDF:5399.9/19

All: -5.543 $\pm$ 0.056 χ^2 /NDF: 10345.6/38

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: 0.658 ± 0.059 χ^2/NDF : 2072.5/19

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

Left In: 0.776 ± 0.060 χ^2/NDF : 2057.8/18

Left: 0.715 ± 0.042 χ^2/NDF : 4132.3/38

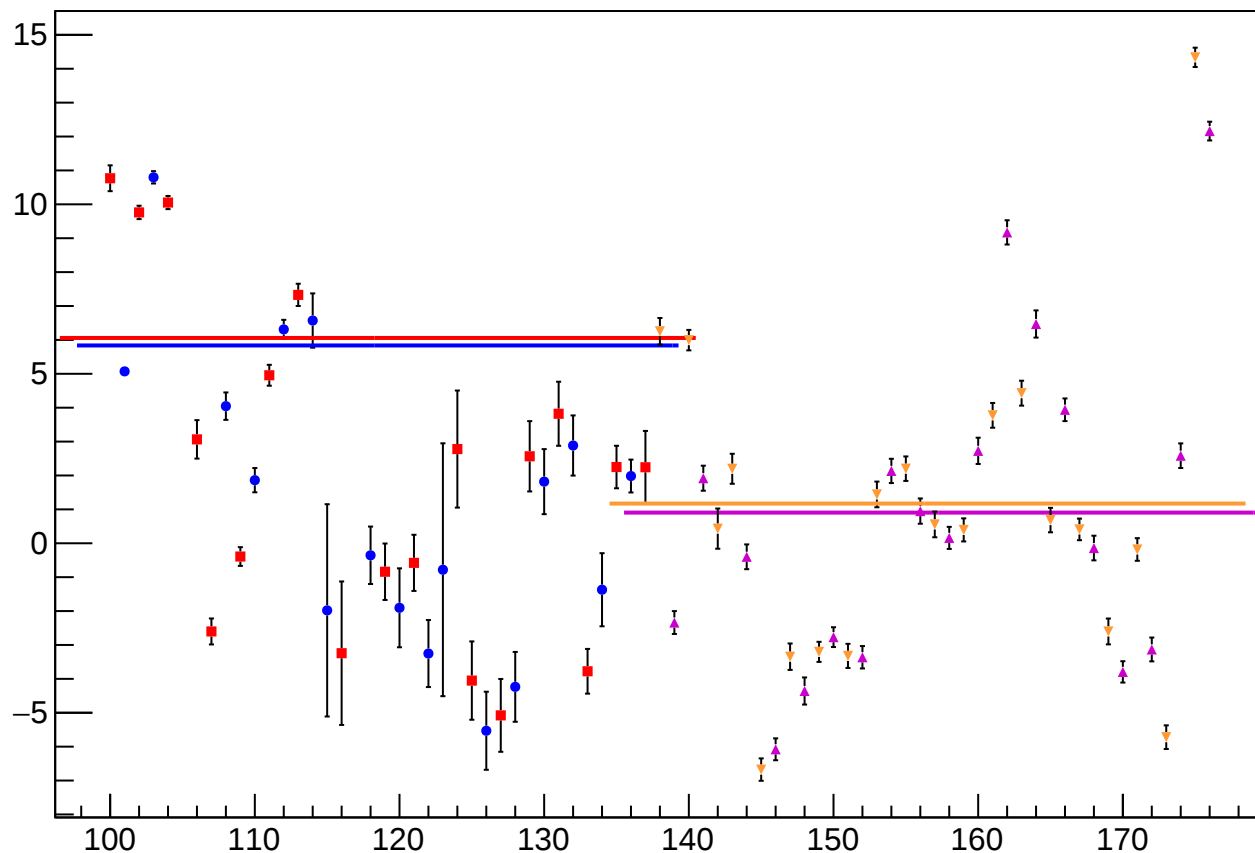
Right: -6.189 ± 0.040 χ^2/NDF : 21952.0/35

In: -2.617 ± 0.041 χ^2/NDF : 17092.8/35

Out: -3.185 ± 0.042 χ^2/NDF : 22982.8/38

All: -2.893 ± 0.029 χ^2/NDF : 40171.0/74

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: 1.172 $\pm$ 0.079 χ^2 /NDF:4288.1/19

Right Out: 6.057 $\pm$ 0.093 χ^2 /NDF: 2668.9/18

Left In: 0.905 $\pm$ 0.079 χ^2 /NDF:3964.7/18

Left: 1.038 $\pm$ 0.056 χ^2 /NDF: 8258.5/38

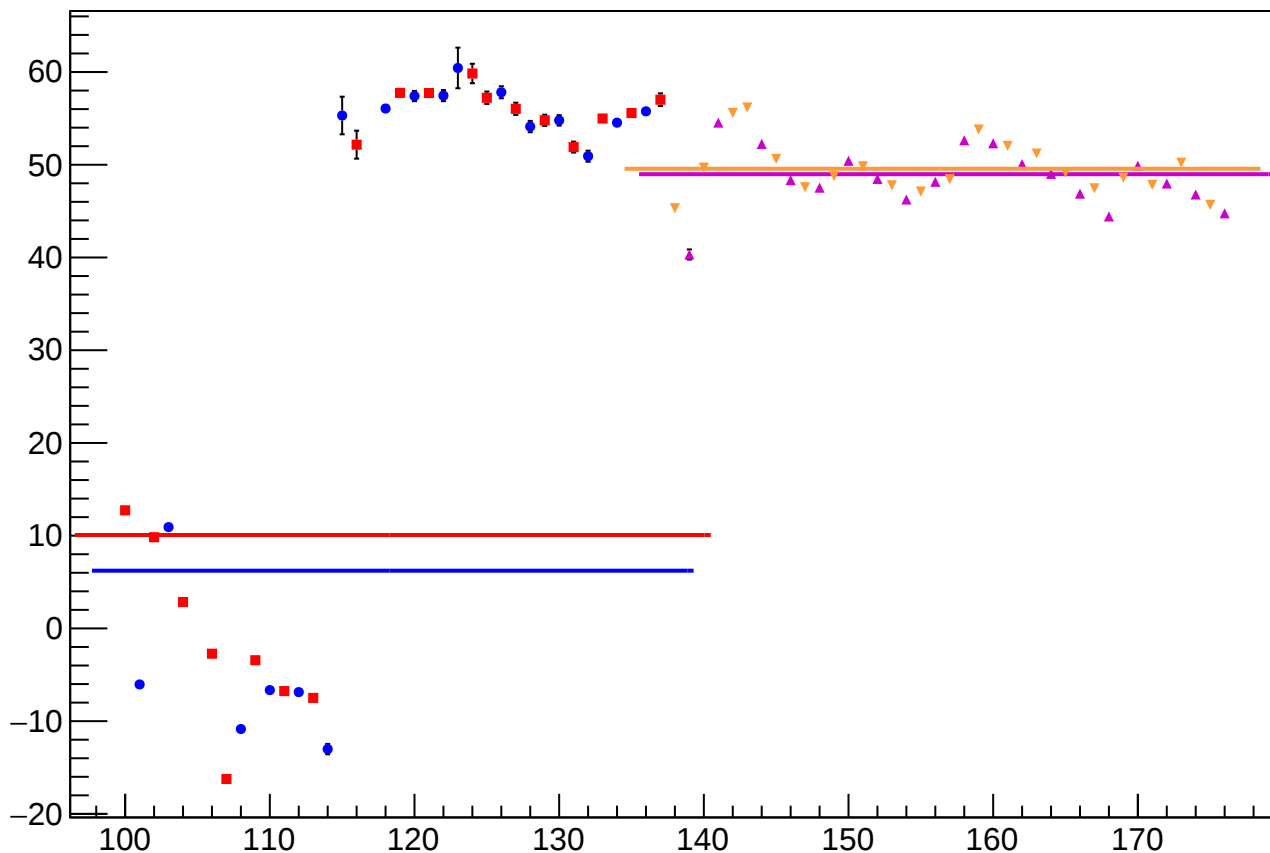
Right: 5.942 $\pm$ 0.065 χ^2 /NDF: 4112.7/35

In: 3.056 $\pm$ 0.059 χ^2 /NDF:7111.1/35

Out: 3.217 $\pm$ 0.060 χ^2 /NDF:8550.0/38

All: 3.135 $\pm$ 0.042 χ^2 /NDF: 15664.7/74

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226+/-0.065 χ^2/NDF : 120955.1/16

Left Out: 49.567+/-0.067 χ^2/NDF :1498.2/19

Right Out: 10.075+/-0.070 χ^2/NDF : 122049.3/18

Left In: 48.982+/-0.068 χ^2/NDF :1734.0/18

Left: 49.280+/-0.048 χ^2/NDF : 3269.3/38

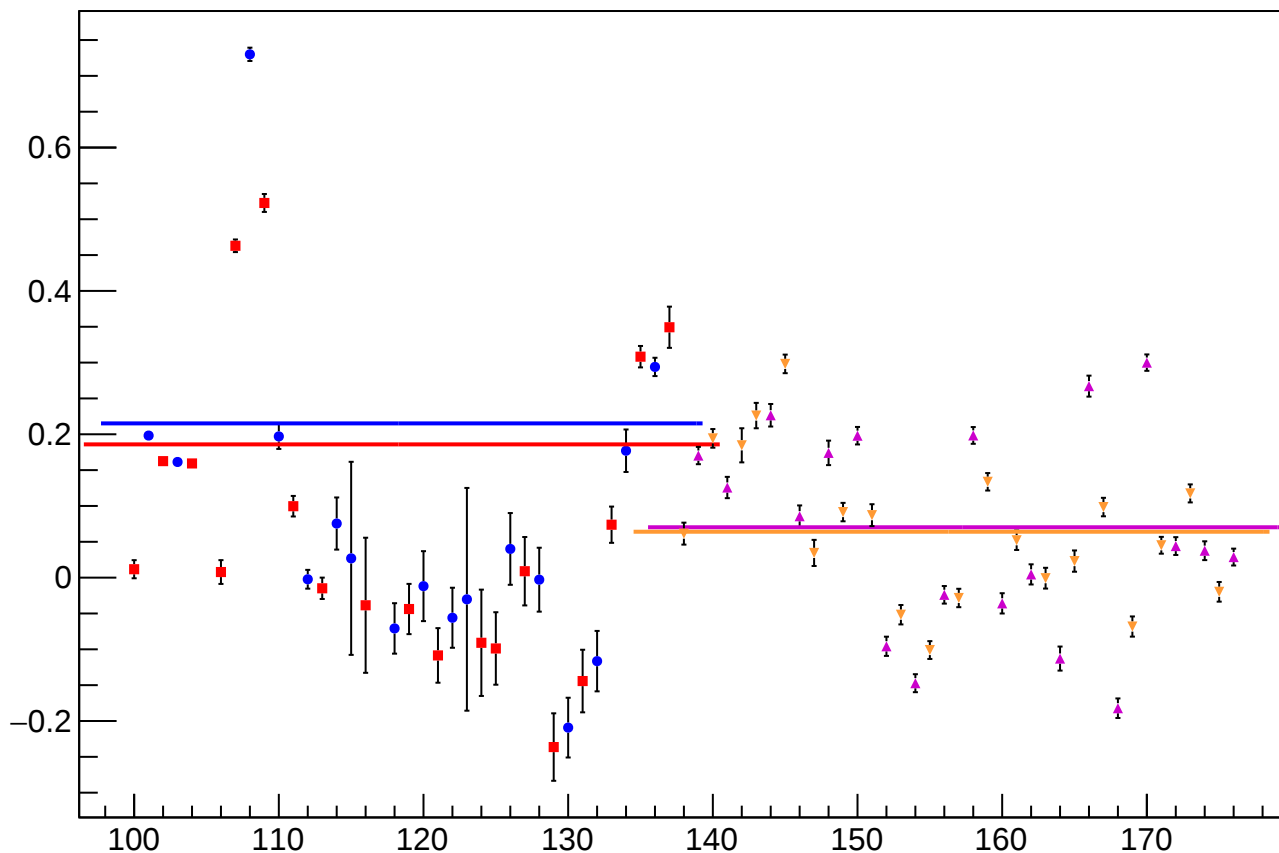
Right: 8.011+/-0.047 χ^2/NDF : 244638.0/35

In: 26.431+/-0.047 χ^2/NDF :328234.8/35

Out: 30.523+/-0.048 χ^2/NDF :289598.1/38

All: 28.419+/-0.034 χ^2/NDF : 621503.6/74

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.064 $\pm$ 0.003 χ^2 /NDF:1061.3/19

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

Left In: 0.070 $\pm$ 0.003 χ^2 /NDF:2108.8/18

Left: 0.067 $\pm$ 0.002 χ^2 /NDF: 3172.1/38

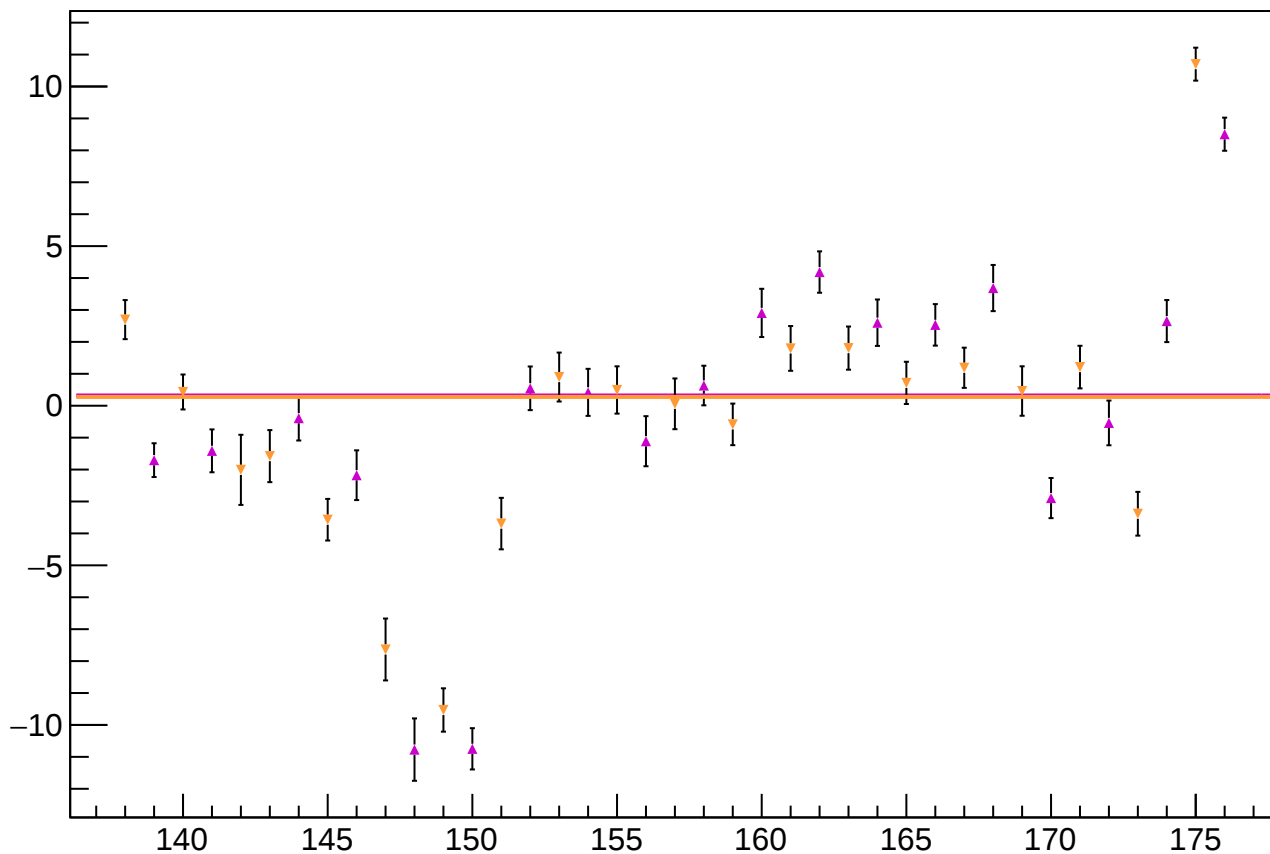
Right: 0.200 $\pm$ 0.002 χ^2 /NDF: 6701.6/35

In: 0.150 $\pm$ 0.002 χ^2 /NDF:7266.7/35

Out: 0.134 $\pm$ 0.002 χ^2 /NDF:4660.7/38

All: 0.142 $\pm$ 0.001 χ^2 /NDF: 11959.3/74

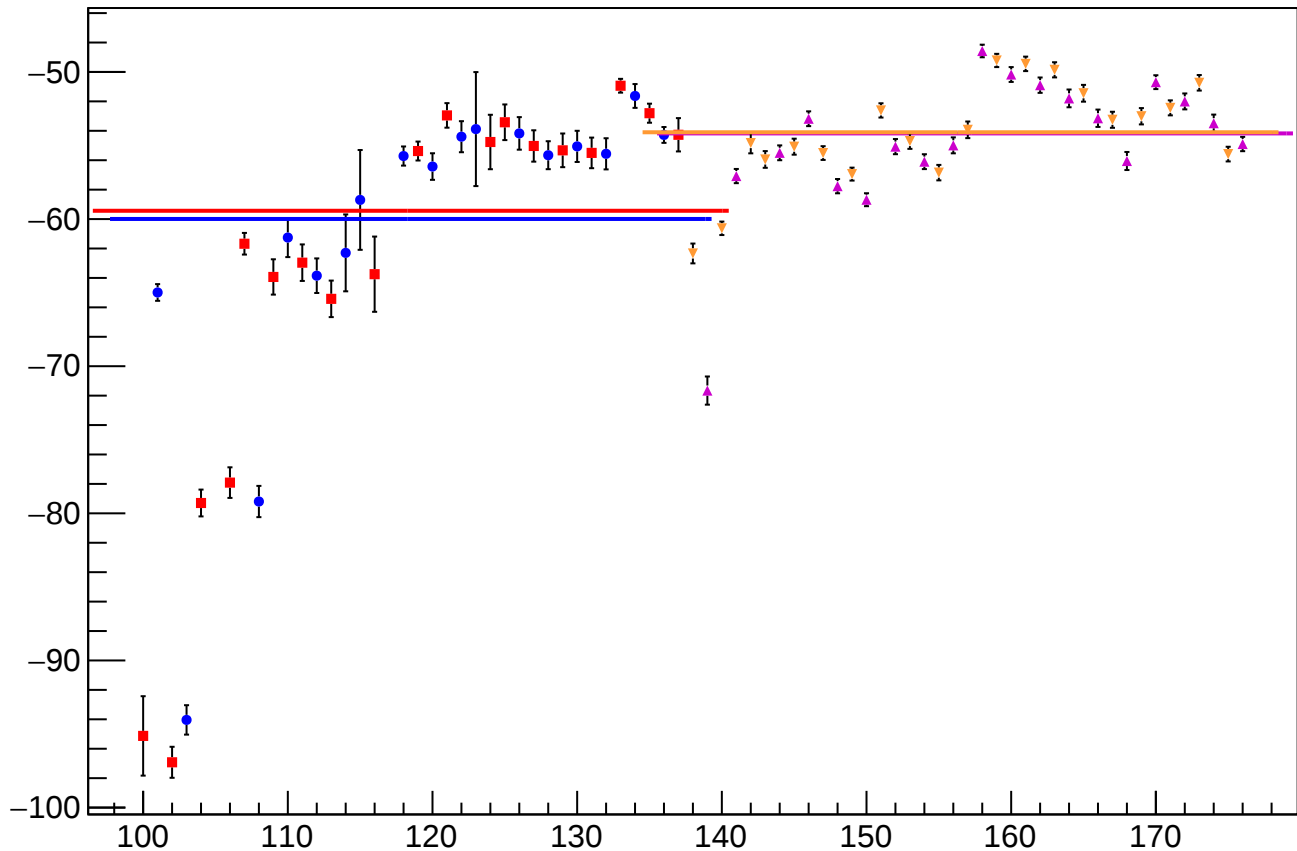
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.276+/-0.155 χ^2/NDF :812.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.321+/-0.154 χ^2/NDF :837.7/18

Left: 0.298+/-0.109 χ^2/NDF : 1650.5/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.321+/-0.154 χ^2/NDF :837.7/18
 Out: 0.276+/-0.155 χ^2/NDF :812.7/19
 All: 0.298+/-0.109 χ^2/NDF : 1650.5/38

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: -54.100 ± 0.116 χ^2/NDF : 819.9/19

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

Left In: -54.178 ± 0.119 χ^2/NDF : 934.6/18

Left: -54.138 ± 0.083 χ^2/NDF : 1754.7/38

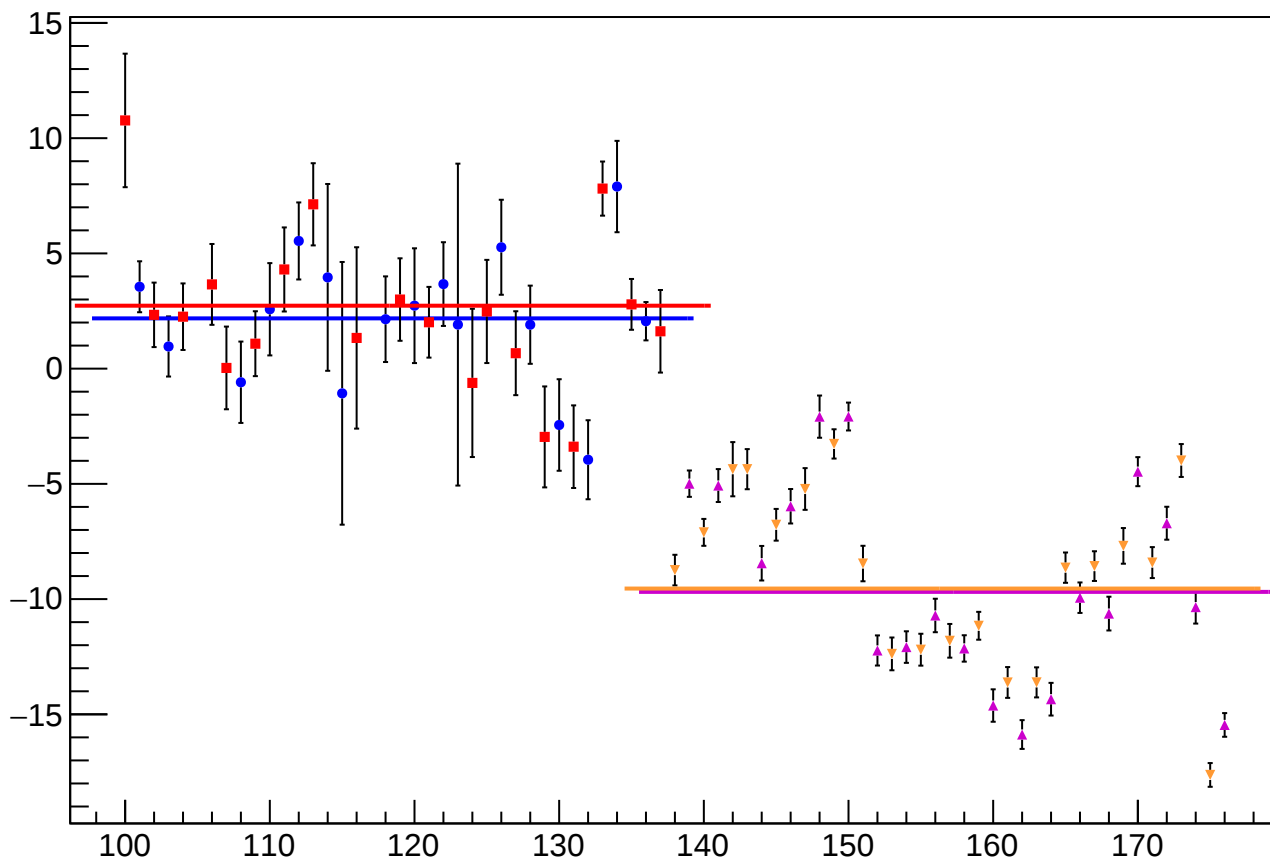
Right: -59.697 ± 0.154 χ^2/NDF : 4894.0/35

In: -55.456 ± 0.105 χ^2/NDF : 3428.7/35

Out: -55.336 ± 0.102 χ^2/NDF : 4224.6/38

All: -55.394 ± 0.073 χ^2/NDF : 7654.0/74

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 $\pm$ 0.406 χ^2 /NDF: 39.0/16

Left Out: -9.543 $\pm$ 0.154 χ^2 /NDF:655.6/19

Right Out: 2.731 $\pm$ 0.388 χ^2 /NDF: 58.9/18

Left In: -9.687 $\pm$ 0.153 χ^2 /NDF:817.0/18

Left: -9.615 $\pm$ 0.108 χ^2 /NDF: 1473.0/38

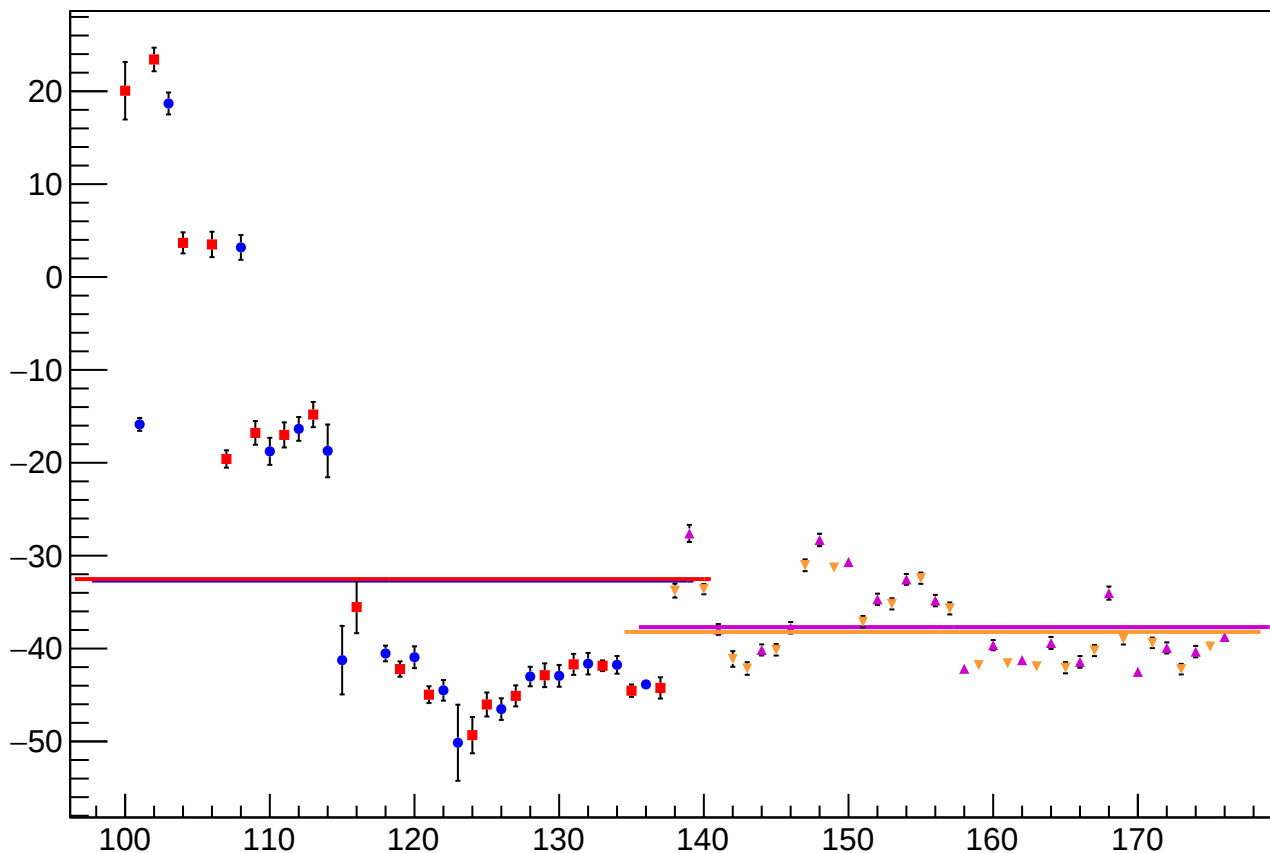
Right: 2.468 $\pm$ 0.280 χ^2 /NDF: 98.9/35

In: -8.214 $\pm$ 0.143 χ^2 /NDF:1605.7/35

Out: -7.878 $\pm$ 0.143 χ^2 /NDF:1579.6/38

All: -8.046 $\pm$ 0.101 χ^2 /NDF: 3188.1/74

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 χ^2/NDF : 4646.9/16

Left Out: -38.212 ± 0.132 χ^2/NDF : 856.2/19

Right Out: -32.523 ± 0.244 χ^2/NDF : 6045.3/18

Left In: -37.689 ± 0.134 χ^2/NDF : 994.2/18

Left: -37.955 ± 0.094 χ^2/NDF : 1858.2/38

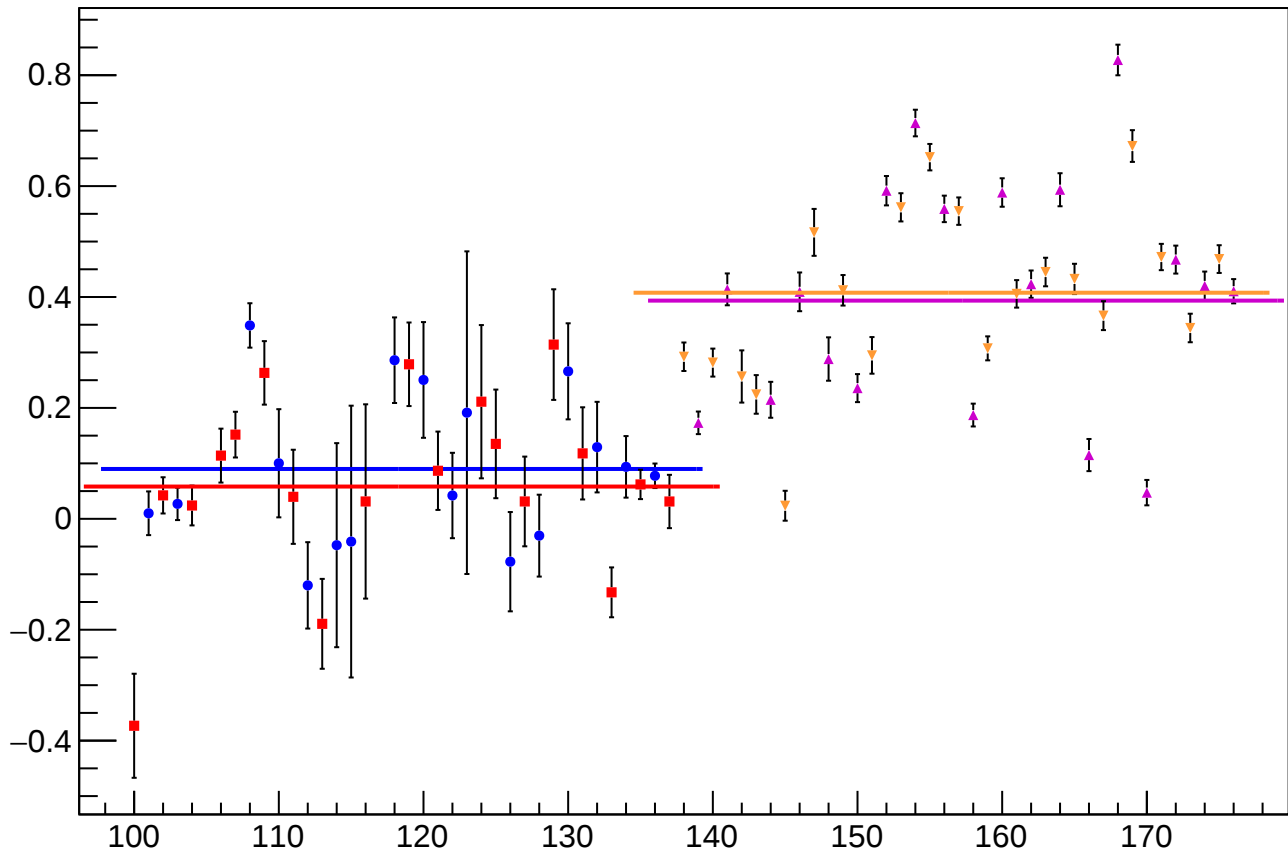
Right: -32.599 ± 0.177 χ^2/NDF : 10692.4/35

In: -36.607 ± 0.119 χ^2/NDF : 5941.5/35

Out: -36.924 ± 0.116 χ^2/NDF : 7322.0/38

All: -36.769 ± 0.083 χ^2/NDF : 13267.2/74

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 $\chi^2/\text{NDF}: 613.3/19$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

Left In: 0.393 ± 0.006 $\chi^2/\text{NDF}: 1259.4/18$

Left: 0.400 ± 0.004 $\chi^2/\text{NDF}: 1875.6/38$

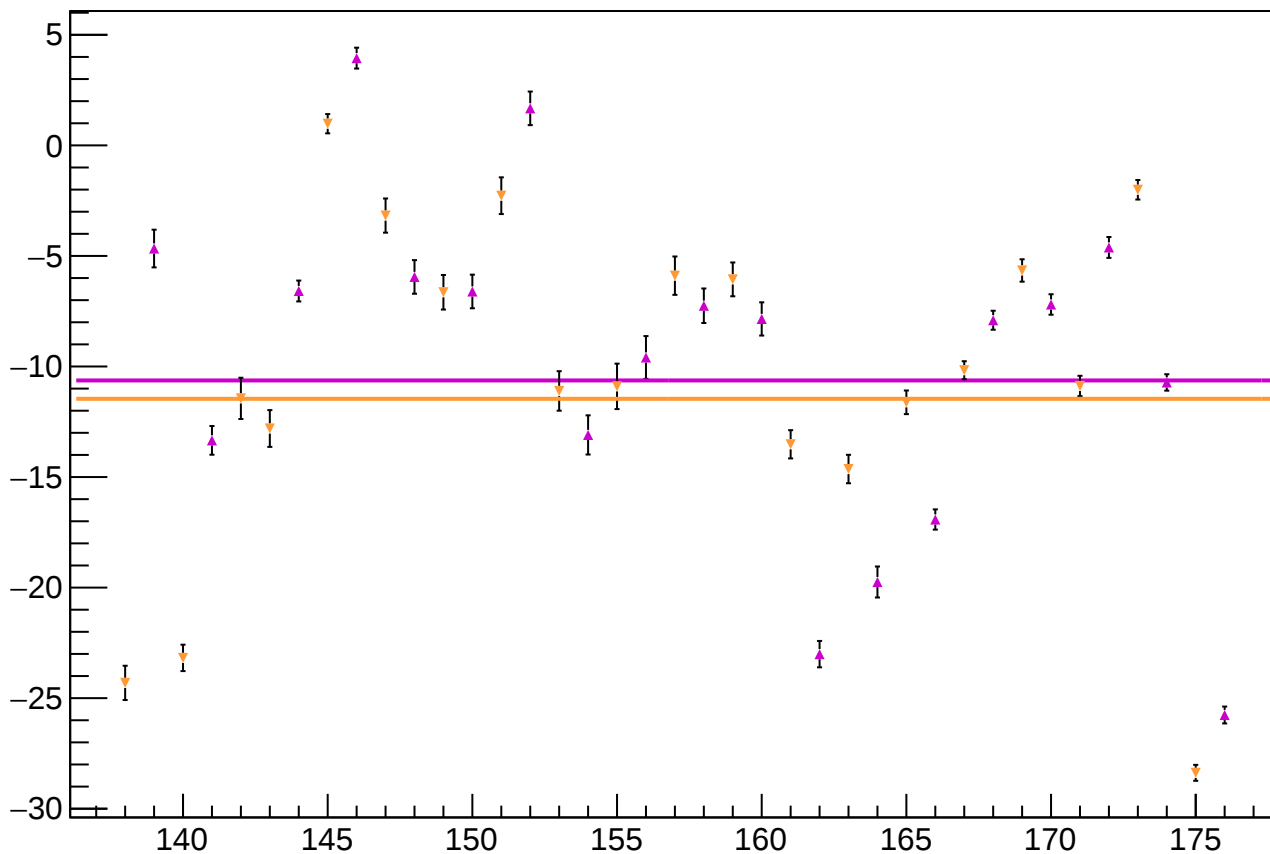
Right: 0.073 ± 0.009 $\chi^2/\text{NDF}: 169.1/35$

In: 0.340 ± 0.005 $\chi^2/\text{NDF}: 1805.5/35$

Out: 0.339 ± 0.005 $\chi^2/\text{NDF}: 1363.5/38$

All: 0.340 ± 0.004 $\chi^2/\text{NDF}: 3169.1/74$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -11.461 $\pm$ 0.131 χ^2/NDF :4684.7/19

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

Left In: -10.631 $\pm$ 0.127 χ^2/NDF :4079.3/18

Left: -11.033 $\pm$ 0.091 χ^2/NDF : 8784.6/38

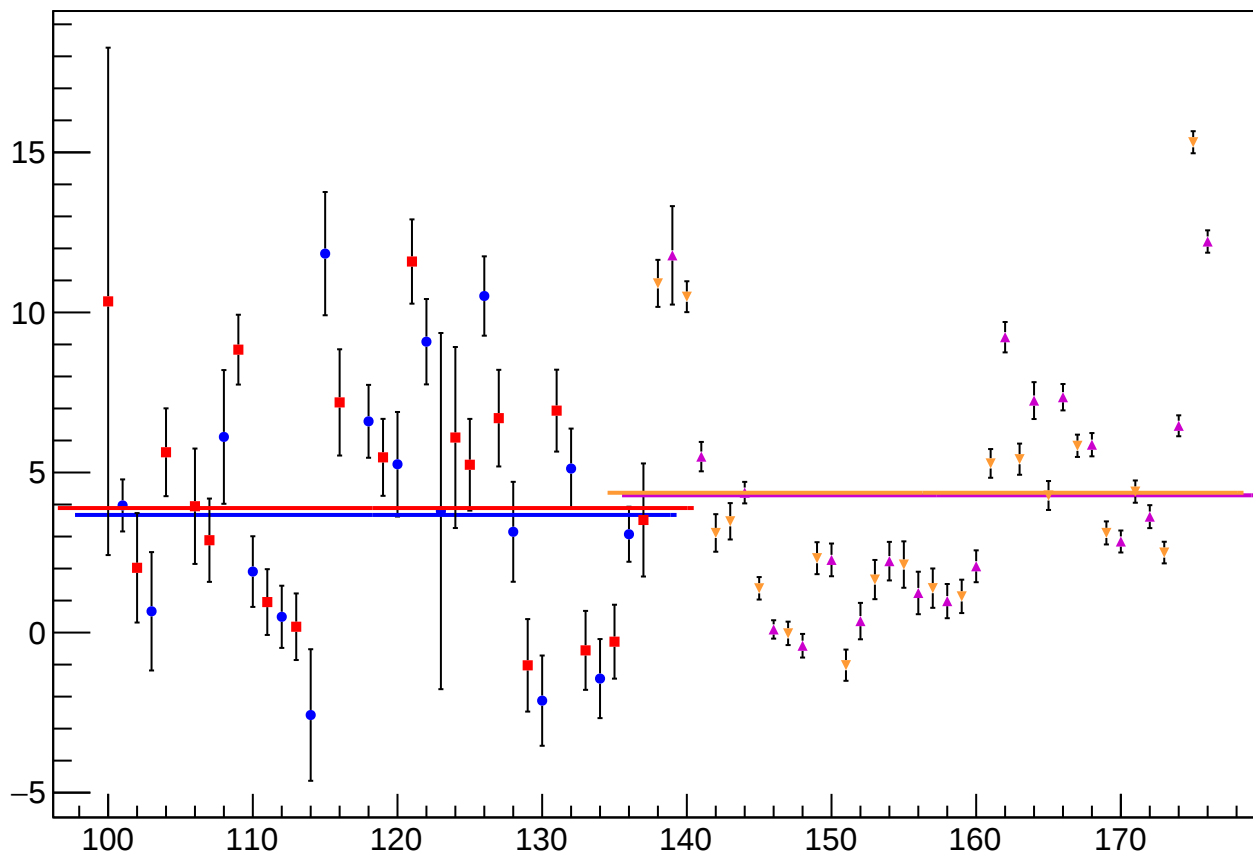
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -10.631 $\pm$ 0.127 χ^2/NDF :4079.3/18

Out: -11.461 $\pm$ 0.131 χ^2/NDF :4684.7/19

All: -11.033 $\pm$ 0.091 χ^2/NDF : 8784.6/38

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 $\pm$ 0.310 χ^2 /NDF: 135.2/16

Left Out: 4.367 $\pm$ 0.099 χ^2 /NDF:1772.8/19

Right Out: 3.890 $\pm$ 0.316 χ^2 /NDF: 133.7/18

Left In: 4.288 $\pm$ 0.096 χ^2 /NDF:1349.1/18

Left: 4.327 $\pm$ 0.069 χ^2 /NDF: 3122.2/38

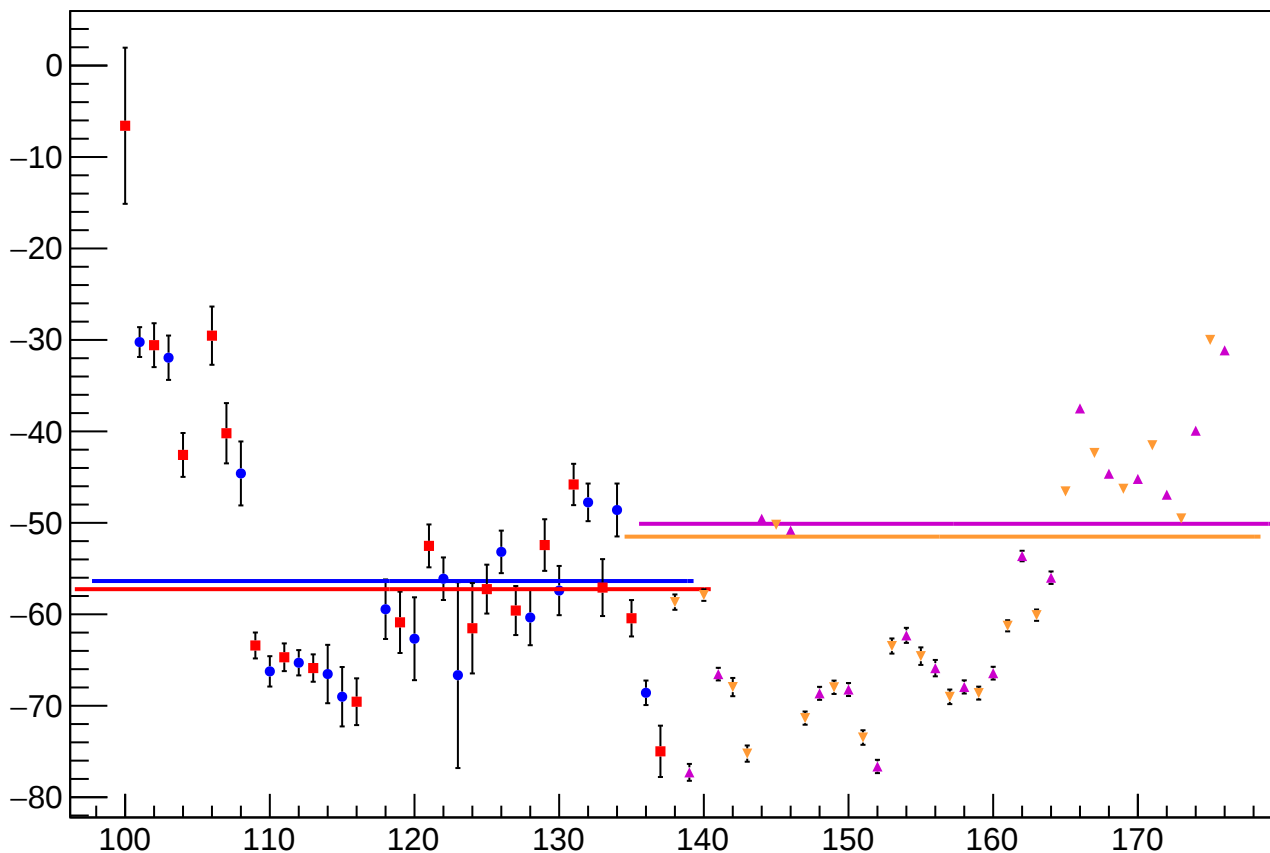
Right: 3.780 $\pm$ 0.221 χ^2 /NDF: 269.1/35

In: 4.234 $\pm$ 0.092 χ^2 /NDF:1487.8/35

Out: 4.325 $\pm$ 0.094 χ^2 /NDF:1908.6/38

All: 4.278 $\pm$ 0.066 χ^2 /NDF: 3396.9/74

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: -51.508 ± 0.131 χ^2/NDF : 9801.2/19

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

Left In: -50.104 ± 0.127 χ^2/NDF : 10103.6/18

Left: -50.783 ± 0.091 χ^2/NDF : 19963.6/38

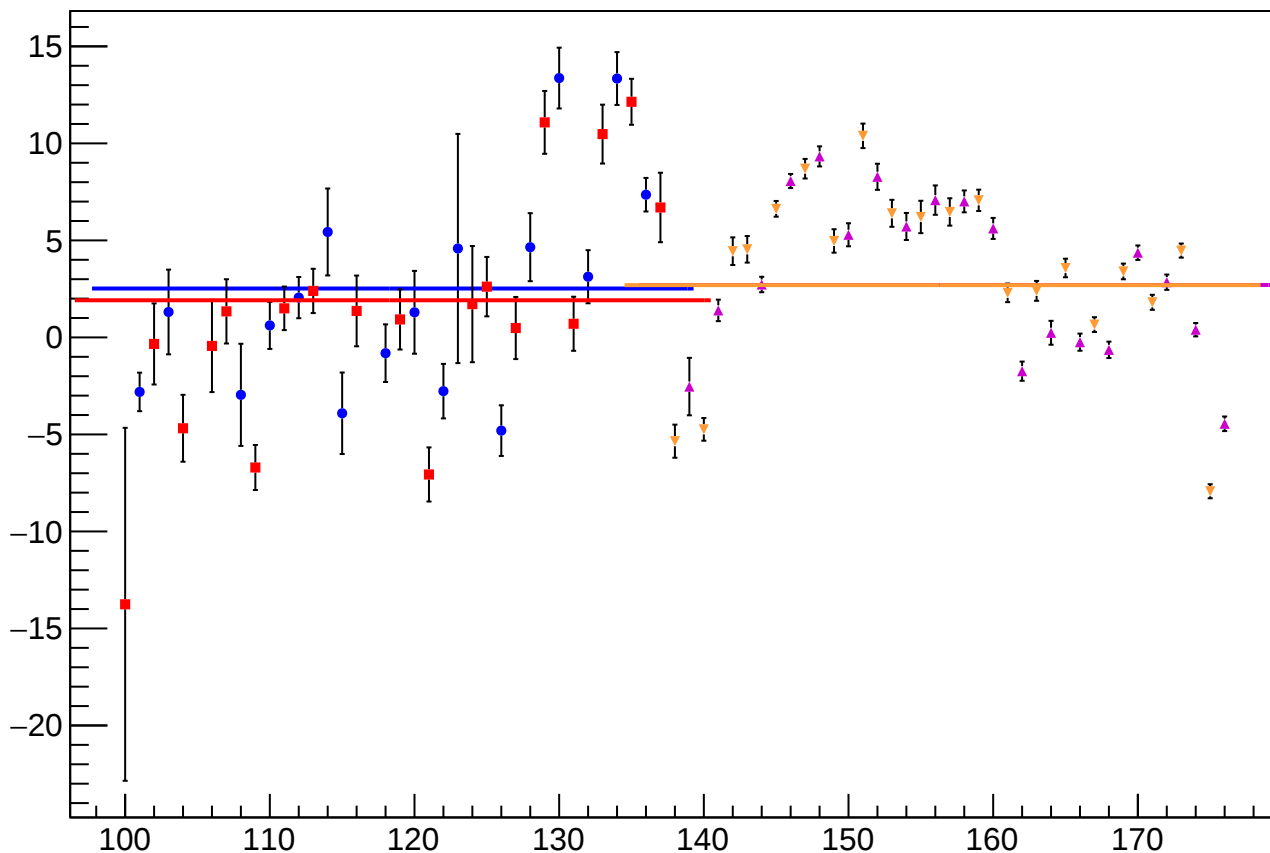
Right: -56.813 ± 0.382 χ^2/NDF : 1064.6/35

In: -50.430 ± 0.124 χ^2/NDF : 10816.5/35

Out: -51.834 ± 0.128 χ^2/NDF : 10385.4/38

All: -51.110 ± 0.089 χ^2/NDF : 21264.2/74

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 $\pm$ 0.347 χ^2 /NDF: 242.3/16

Left Out: 2.694 $\pm$ 0.112 χ^2 /NDF:1726.7/19

Right Out: 1.914 $\pm$ 0.355 χ^2 /NDF: 264.5/18

Left In: 2.702 $\pm$ 0.110 χ^2 /NDF:1256.9/18

Left: 2.698 $\pm$ 0.078 χ^2 /NDF: 2983.5/38

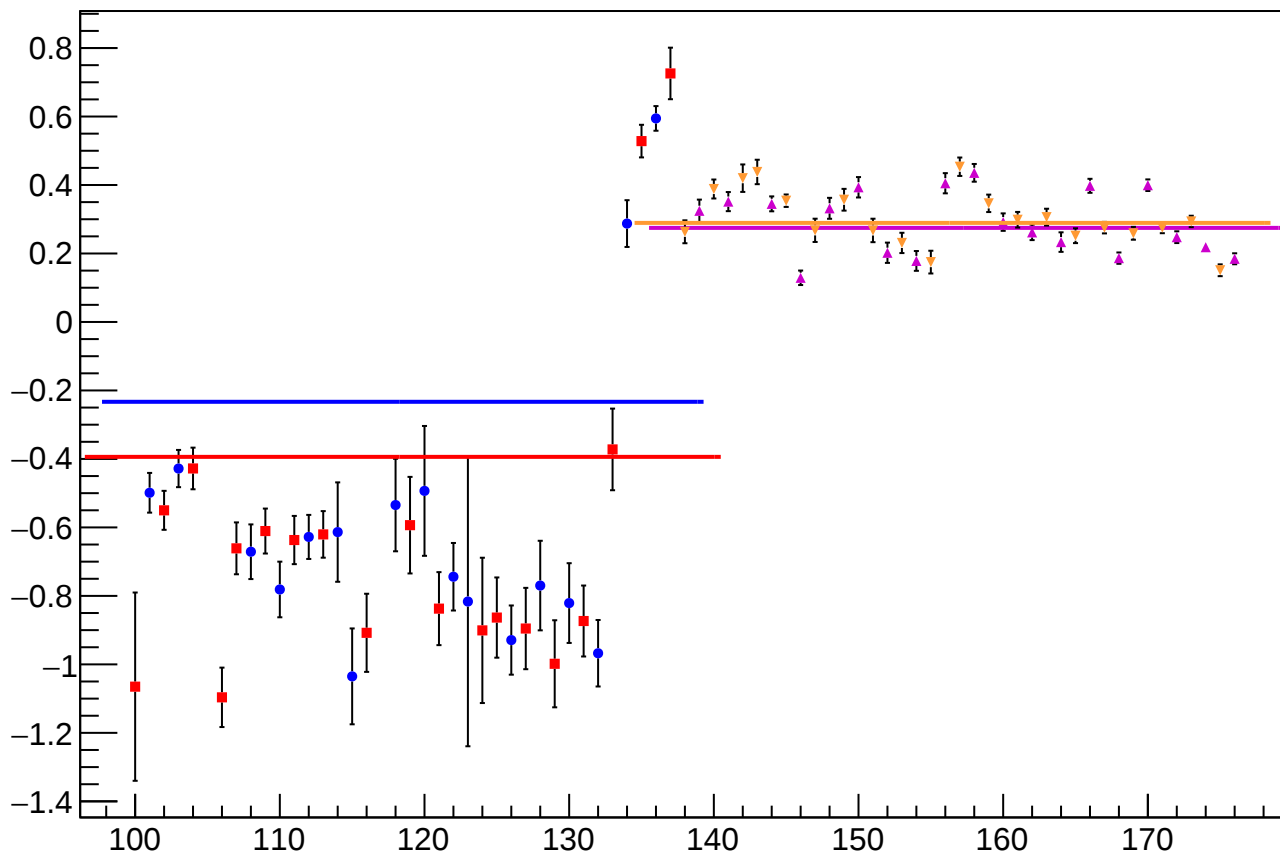
Right: 2.224 $\pm$ 0.248 χ^2 /NDF: 508.4/35

In: 2.686 $\pm$ 0.105 χ^2 /NDF:1499.5/35

Out: 2.624 $\pm$ 0.107 χ^2 /NDF:1995.6/38

All: 2.655 $\pm$ 0.075 χ^2 /NDF: 3495.2/74

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: 0.289 ± 0.005 χ^2/NDF : 189.3/19

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

Left In: 0.275 ± 0.005 χ^2/NDF : 333.2/18

Left: 0.282 ± 0.004 χ^2/NDF : 526.6/38

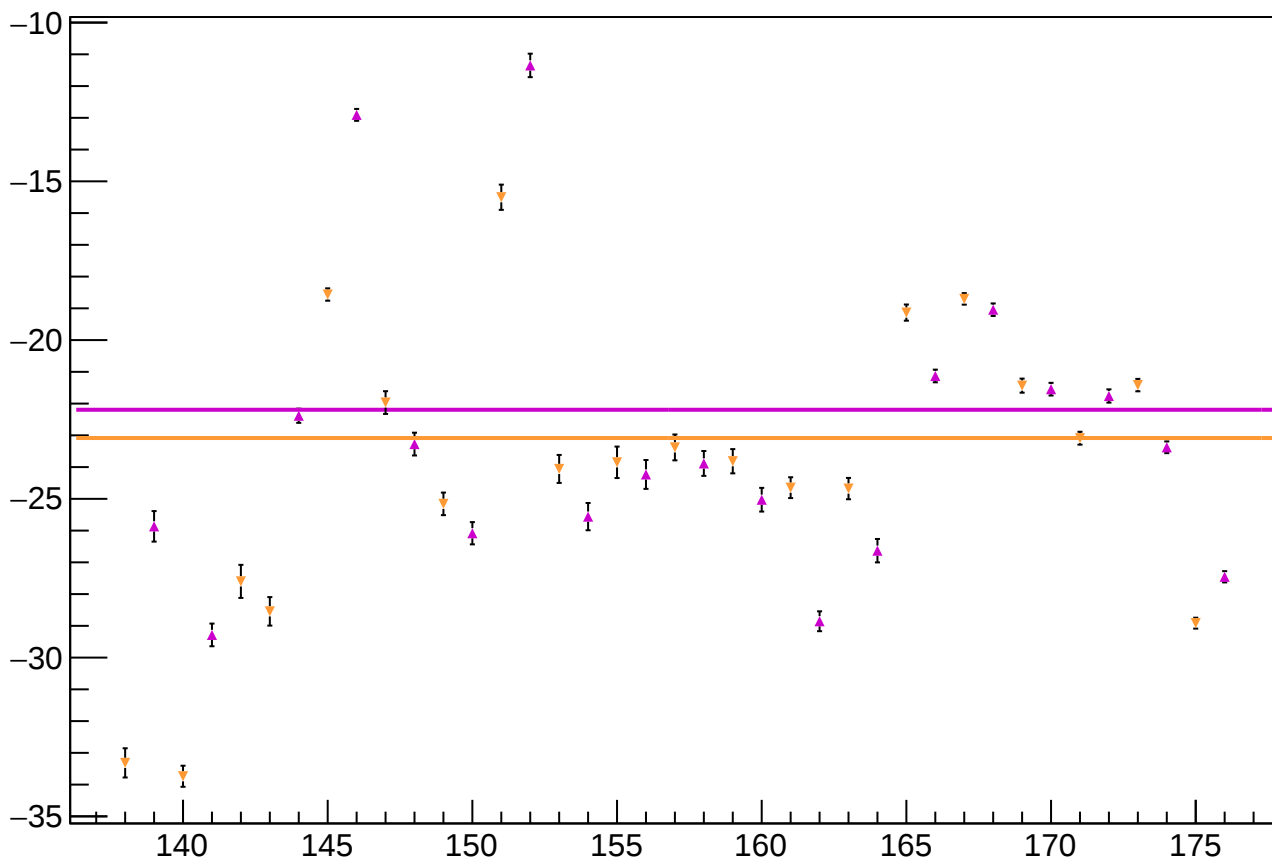
Right: -0.313 ± 0.013 χ^2/NDF : 1838.0/35

In: 0.242 ± 0.005 χ^2/NDF : 1964.7/35

Out: 0.242 ± 0.005 χ^2/NDF : 2239.5/38

All: 0.242 ± 0.003 χ^2/NDF : 4204.2/74

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: -23.084+/-0.062 χ^2/NDF : 4850.1/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -22.194+/-0.059 χ^2/NDF : 5875.6/18

Left: -22.620+/-0.043 χ^2/NDF : 10833.7/38

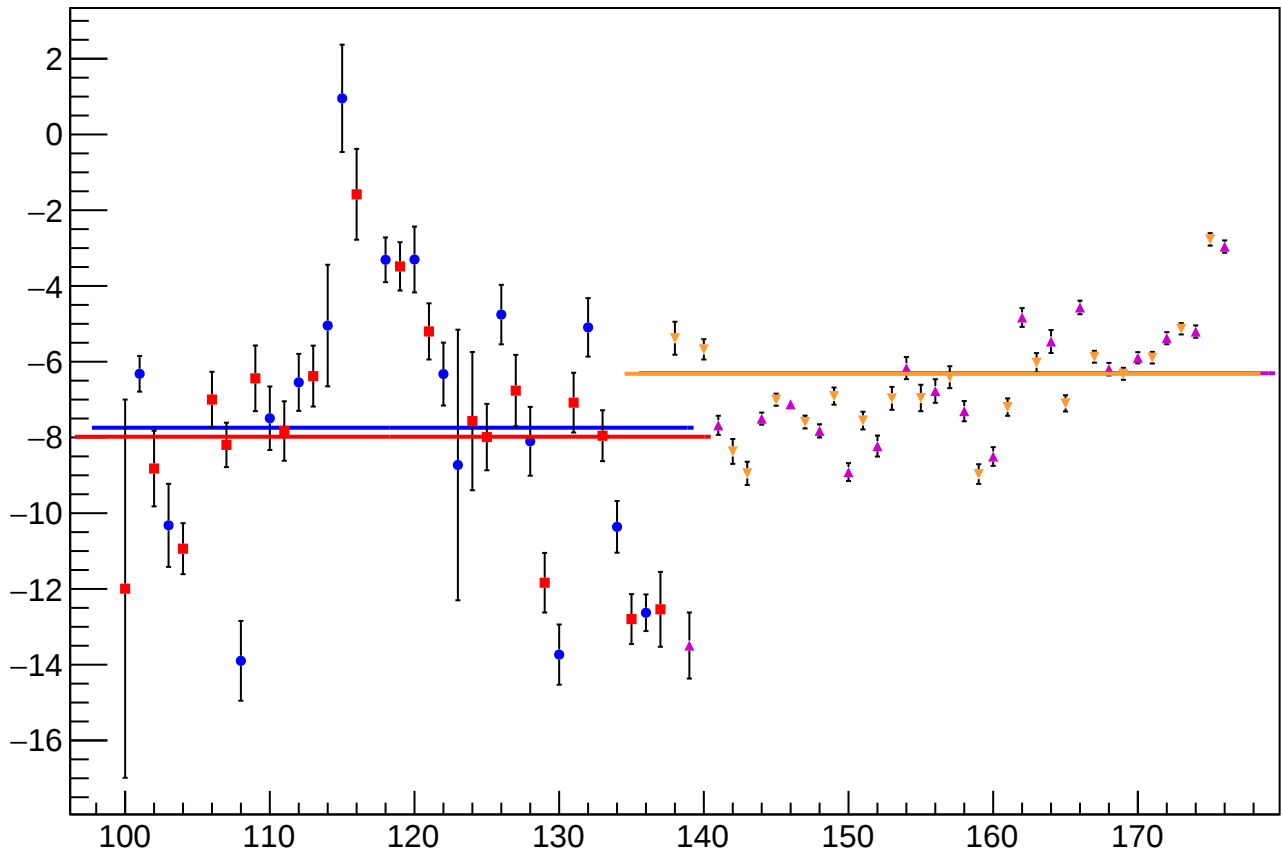
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -22.194+/-0.059 χ^2/NDF : 5875.6/18

Out: -23.084+/-0.062 χ^2/NDF : 4850.1/19

All: -22.620+/-0.043 χ^2/NDF : 10833.7/38

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: -6.318 ± 0.047 χ^2/NDF : 918.2/19

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

Left In: -6.305 ± 0.045 χ^2/NDF : 1191.1/18

Left: -6.311 ± 0.032 χ^2/NDF : 2109.3/38

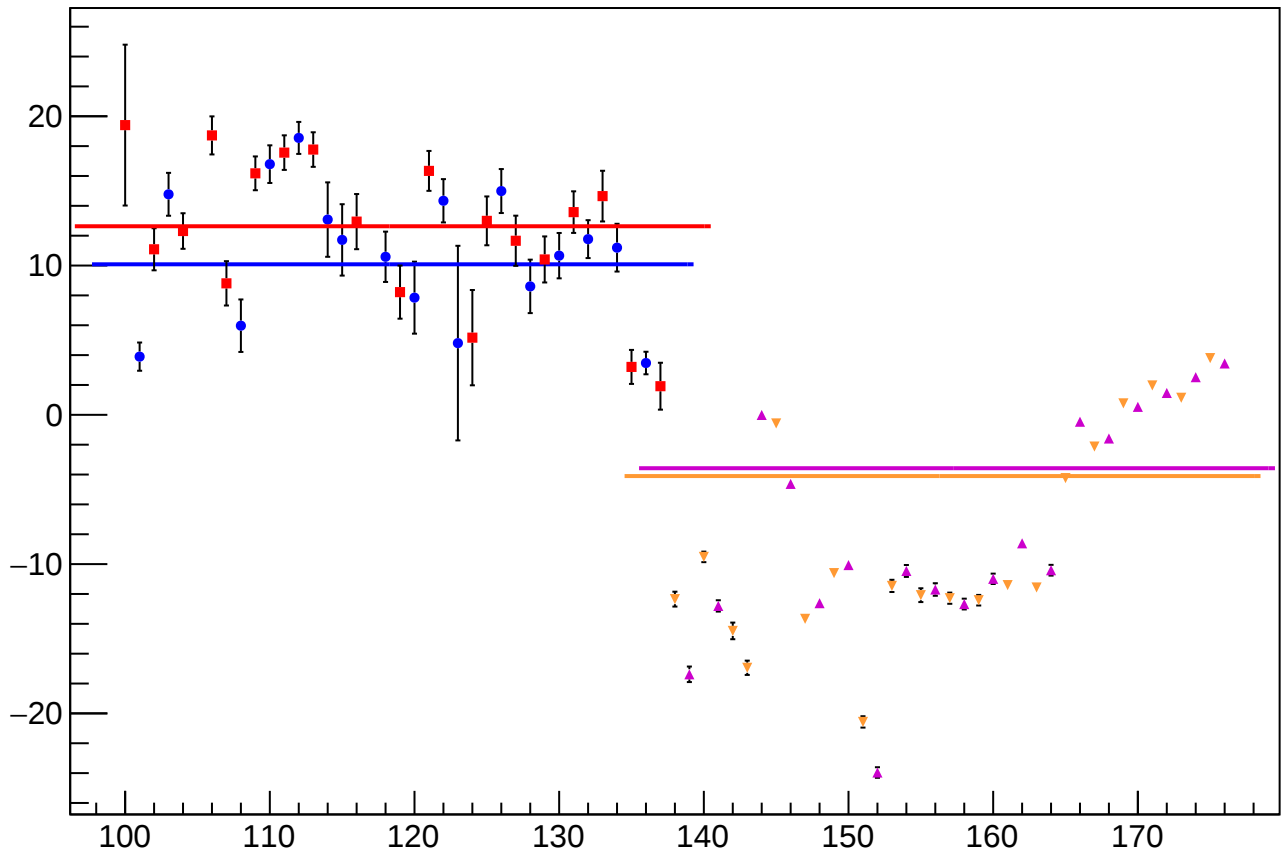
Right: -7.863 ± 0.132 χ^2/NDF : 601.9/35

In: -6.382 ± 0.044 χ^2/NDF : 1624.5/35

Out: -6.417 ± 0.045 χ^2/NDF : 1217.1/38

All: -6.399 ± 0.031 χ^2/NDF : 2841.8/74

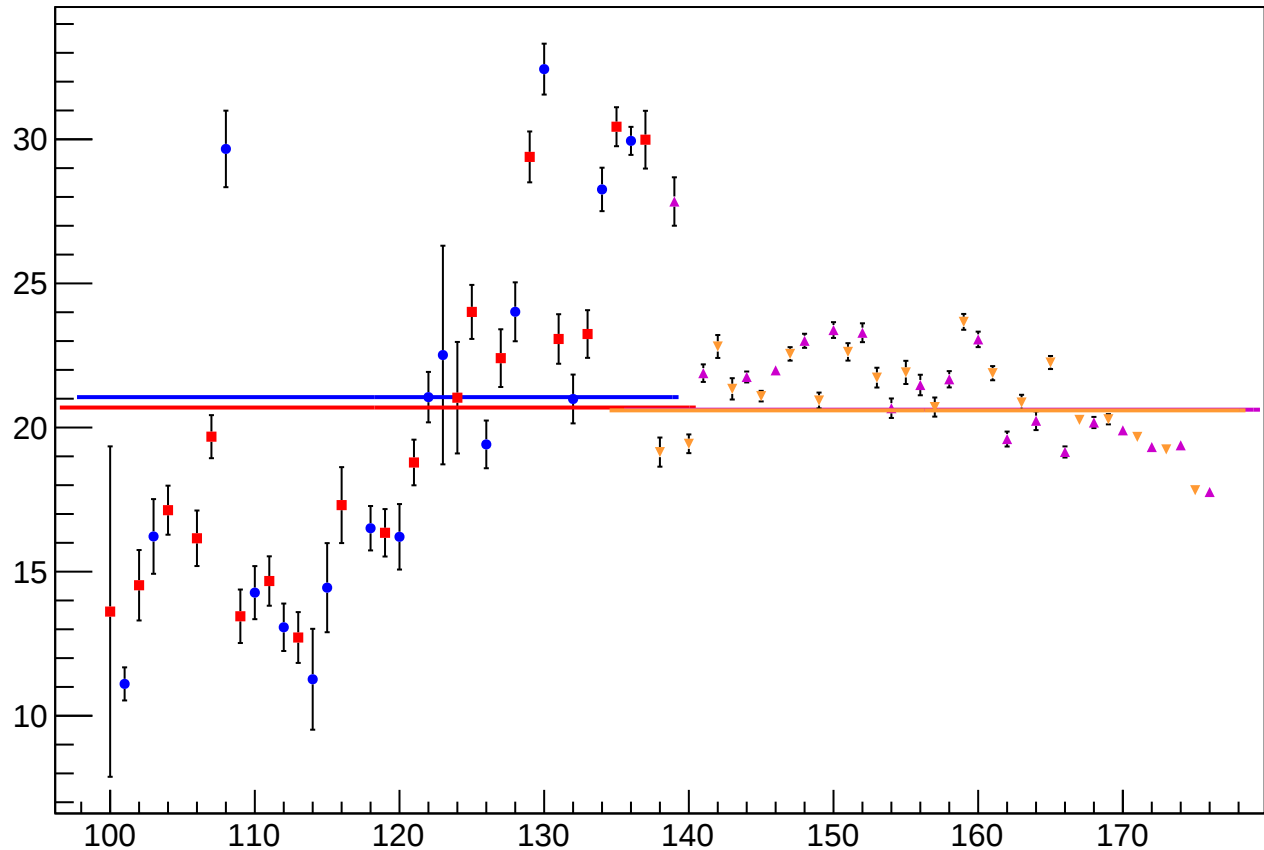
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$
 Left Out: -4.102 ± 0.062 $\chi^2/\text{NDF}: 11910.9/19$
 Right Out: 12.632 ± 0.333 $\chi^2/\text{NDF}: 218.6/18$
 Left In: -3.576 ± 0.059 $\chi^2/\text{NDF}: 12215.7/18$

Left: -3.827 ± 0.043 $\chi^2/\text{NDF}: 24164.2/38$
 Right: 11.377 ± 0.237 $\chi^2/\text{NDF}: 500.1/35$
 In: -3.169 ± 0.058 $\chi^2/\text{NDF}: 14053.5/35$
 Out: -3.540 ± 0.061 $\chi^2/\text{NDF}: 14574.9/38$
 All: -3.346 ± 0.042 $\chi^2/\text{NDF}: 28647.8/74$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055+/-0.211 χ^2/NDF : 1211.8/16

Left Out: 20.596+/-0.053 χ^2/NDF : 772.0/19

Right Out: 20.694+/-0.213 χ^2/NDF : 724.1/18

Left In: 20.619+/-0.051 χ^2/NDF : 1052.2/18

Left: 20.608+/-0.037 χ^2/NDF : 1824.3/38

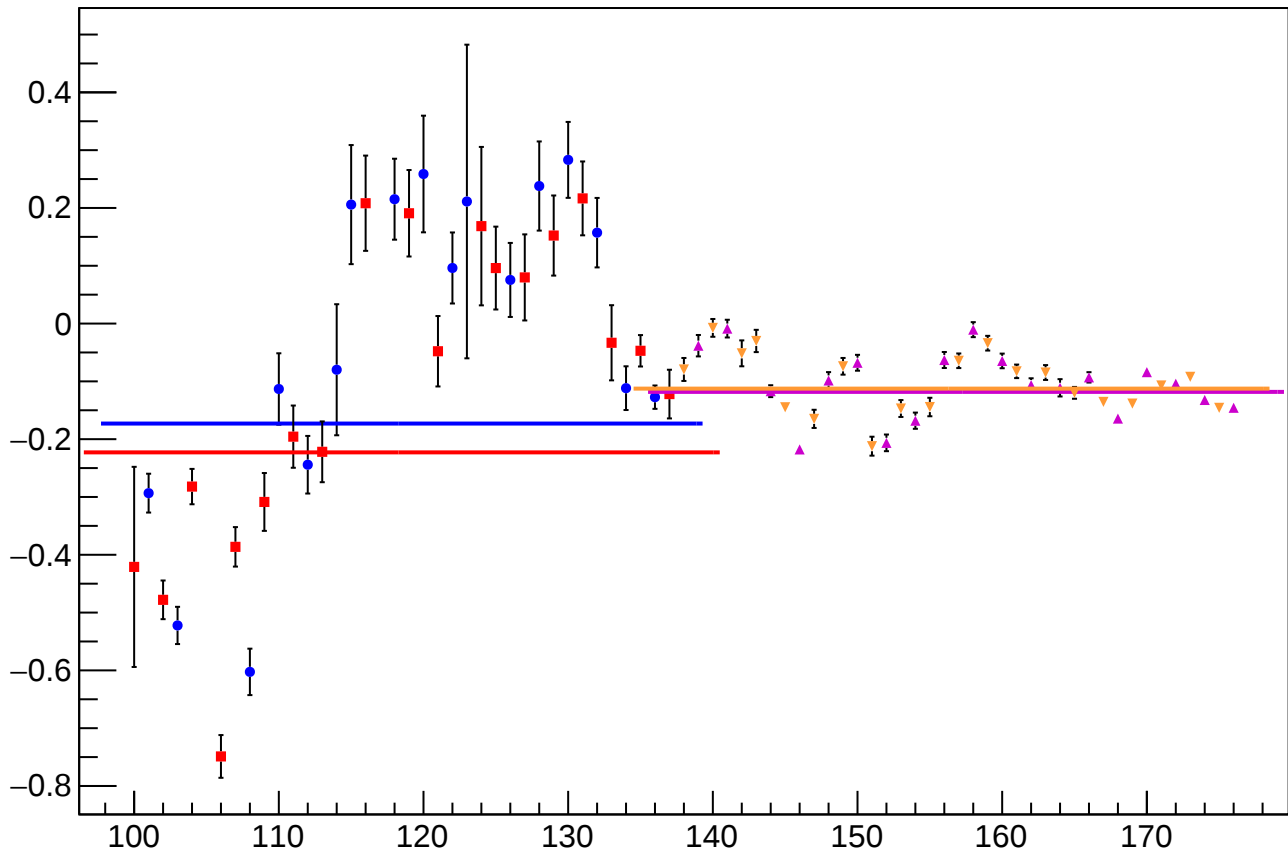
Right: 20.876+/-0.150 χ^2/NDF : 1937.3/35

In: 20.643+/-0.050 χ^2/NDF : 2268.0/35

Out: 20.601+/-0.051 χ^2/NDF : 1496.3/38

All: 20.623+/-0.036 χ^2/NDF : 3764.6/74

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: -0.113 ± 0.002 χ^2/NDF : 263.9/19

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

Left In: -0.118 ± 0.002 χ^2/NDF : 465.6/18

Left: -0.115 ± 0.002 χ^2/NDF : 732.3/38

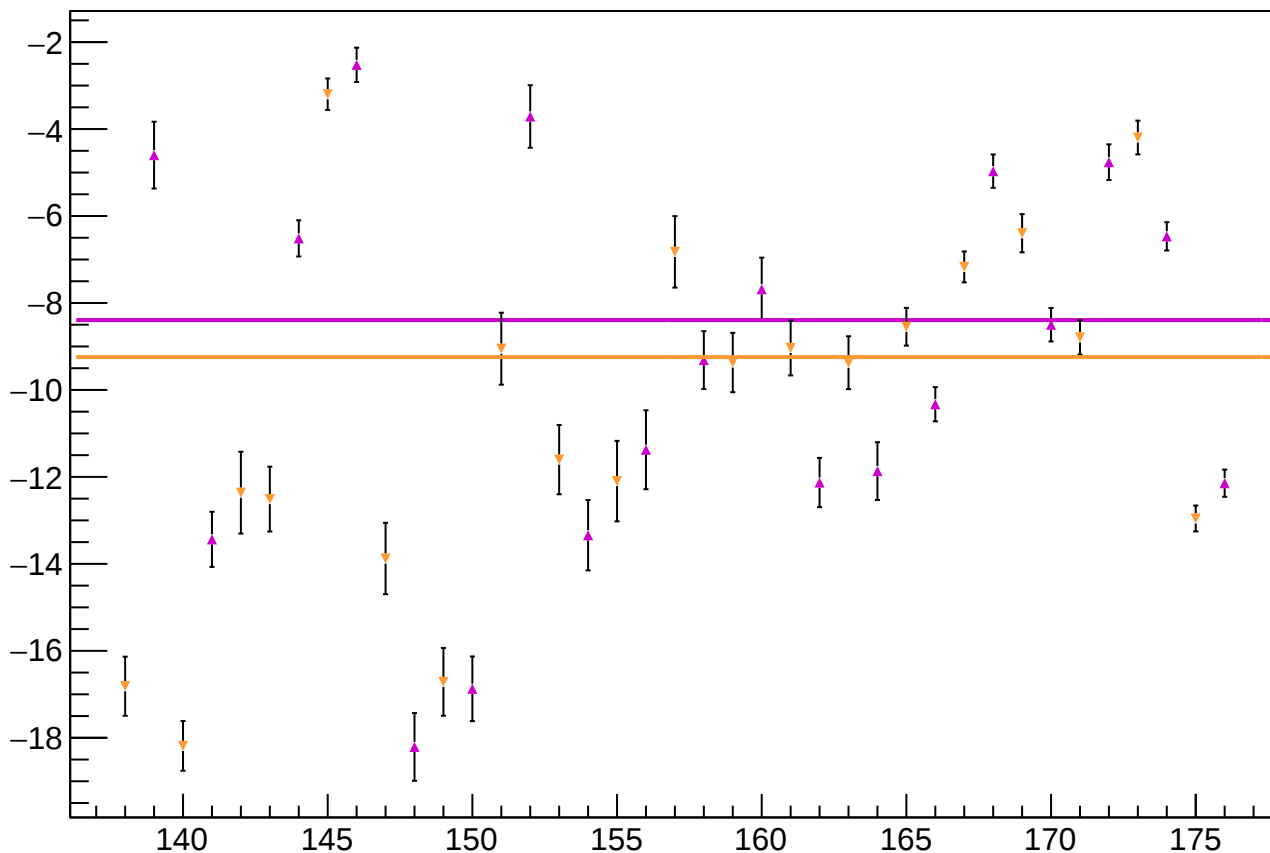
Right: -0.198 ± 0.008 χ^2/NDF : 1007.1/35

In: -0.120 ± 0.002 χ^2/NDF : 950.3/35

Out: -0.118 ± 0.002 χ^2/NDF : 895.5/38

All: -0.119 ± 0.002 χ^2/NDF : 1846.6/74

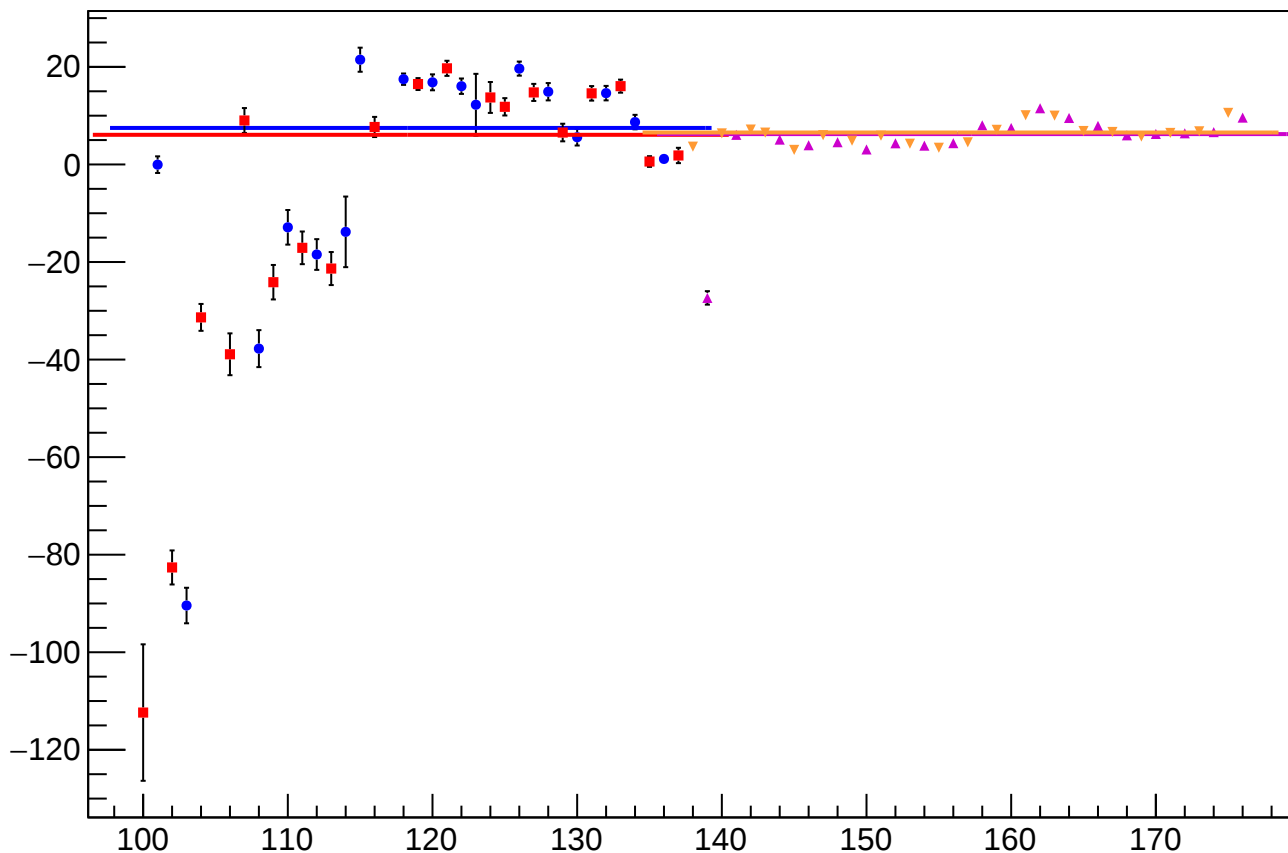
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.244+/-0.116 χ^2/NDF :1231.8/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.393+/-0.112 χ^2/NDF :1143.8/18

Left: -8.805+/-0.081 χ^2/NDF : 2403.6/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.393+/-0.112 χ^2/NDF :1143.8/18
 Out: -9.244+/-0.116 χ^2/NDF :1231.8/19
 All: -8.805+/-0.081 χ^2/NDF : 2403.6/38

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 ± 0.407 $\chi^2/\text{NDF}: 1340.5/16$

Left Out: 6.553 ± 0.089 $\chi^2/\text{NDF}: 572.0/19$

Right Out: 6.078 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

Left In: 6.224 ± 0.086 $\chi^2/\text{NDF}: 1148.0/18$

Left: 6.384 ± 0.062 $\chi^2/\text{NDF}: 1727.1/38$

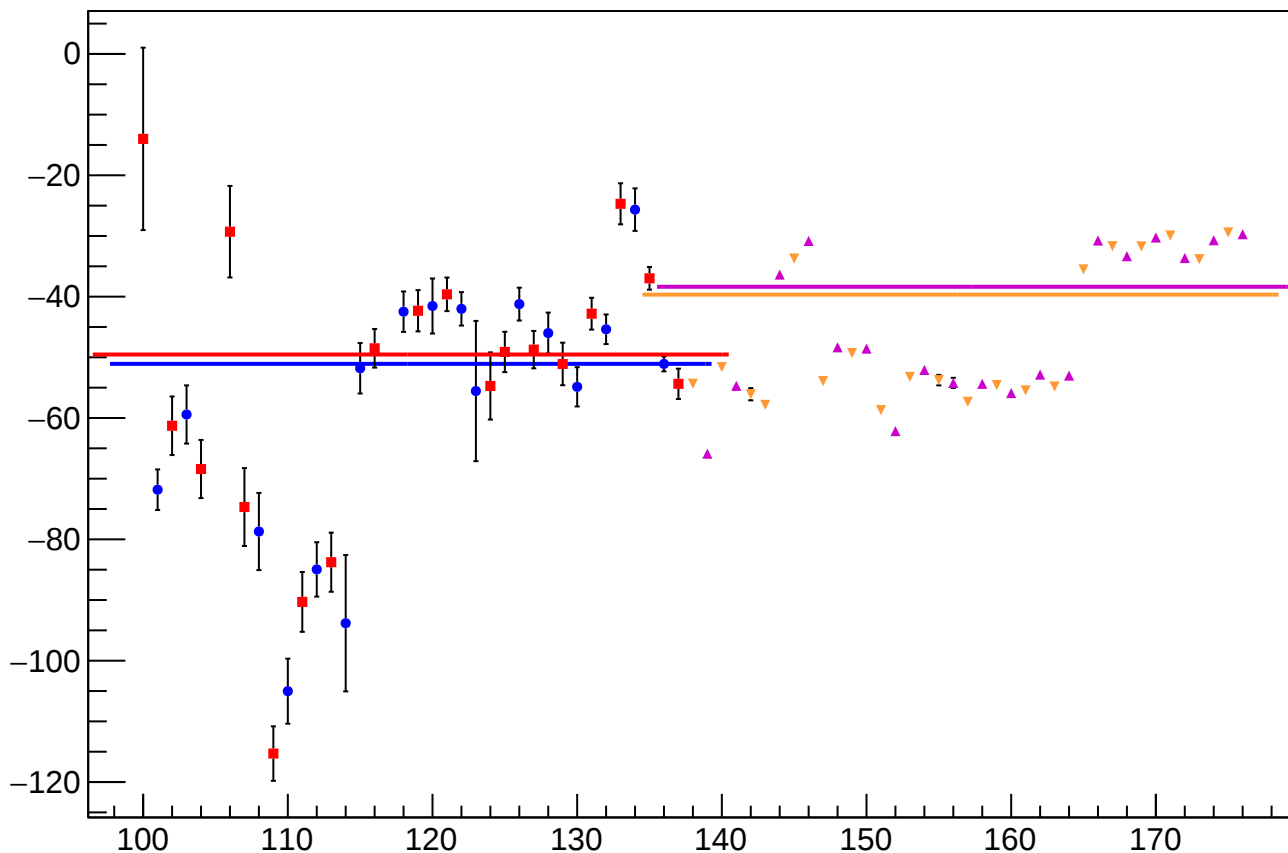
Right: 6.829 ± 0.297 $\chi^2/\text{NDF}: 2858.2/35$

In: 6.278 ± 0.084 $\chi^2/\text{NDF}: 2497.8/35$

Out: 6.534 ± 0.087 $\chi^2/\text{NDF}: 2085.2/38$

All: 6.402 ± 0.061 $\chi^2/\text{NDF}: 4587.5/74$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.077 ± 0.741 $\chi^2/\text{NDF}: 330.2/16$
 Left Out: -39.664 ± 0.116 $\chi^2/\text{NDF}: 8839.8/19$
 Right Out: -49.537 ± 0.798 $\chi^2/\text{NDF}: 509.6/18$
 Left In: -38.372 ± 0.112 $\chi^2/\text{NDF}: 9306.5/18$

Left: -38.995 ± 0.081 $\chi^2/\text{NDF}: 18210.0/38$

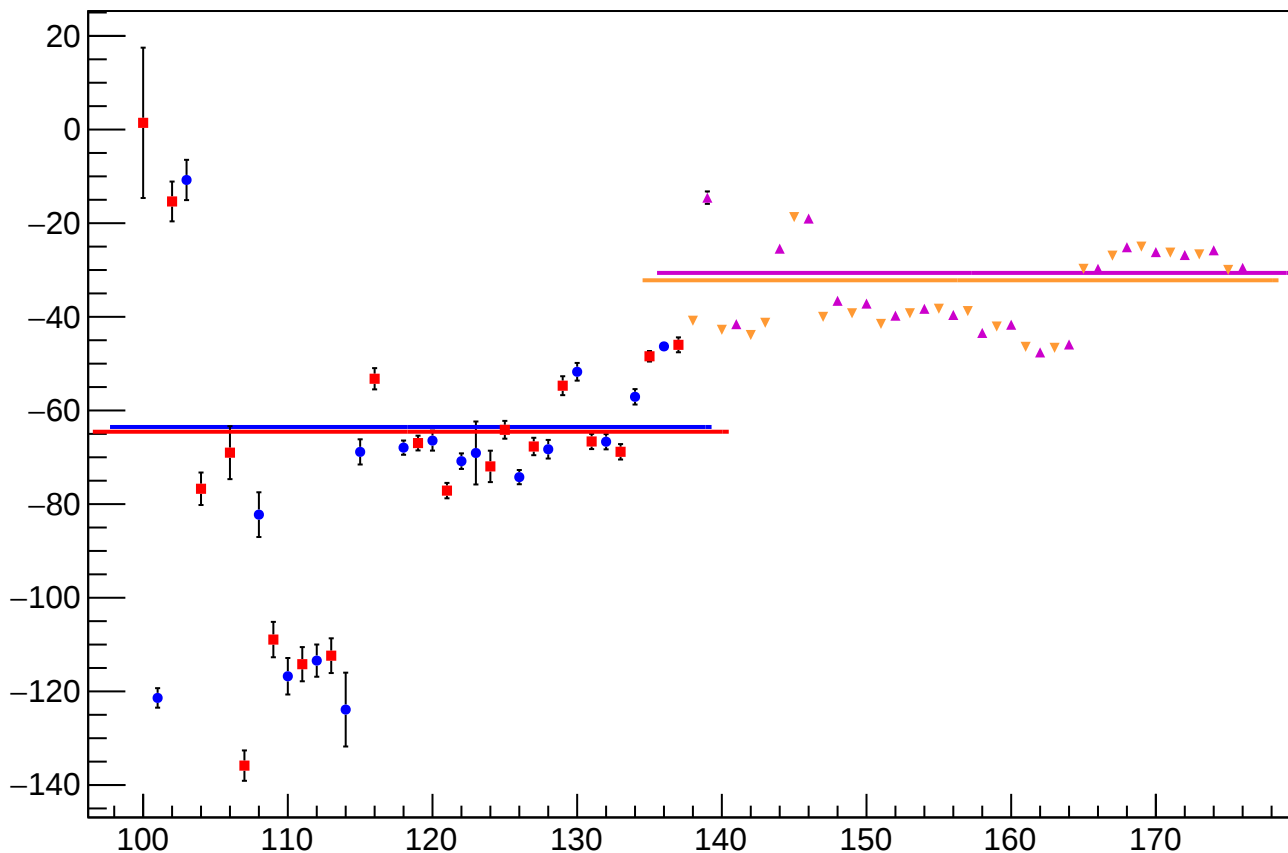
Right: -50.365 ± 0.543 $\chi^2/\text{NDF}: 841.8/35$

In: -38.658 ± 0.111 $\chi^2/\text{NDF}: 9924.2/35$

Out: -39.869 ± 0.115 $\chi^2/\text{NDF}: 9499.1/38$

All: -39.242 ± 0.080 $\chi^2/\text{NDF}: 19480.5/74$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 $\pm$ 0.449 χ^2 /NDF: 2010.9/16

Left Out: -32.195 $\pm$ 0.100 χ^2 /NDF: 7034.1/19

Right Out: -64.540 $\pm$ 0.483 χ^2 /NDF: 1603.1/18

Left In: -30.618 $\pm$ 0.097 χ^2 /NDF: 6854.3/18

Left: -31.389 $\pm$ 0.070 χ^2 /NDF: 14016.2/38

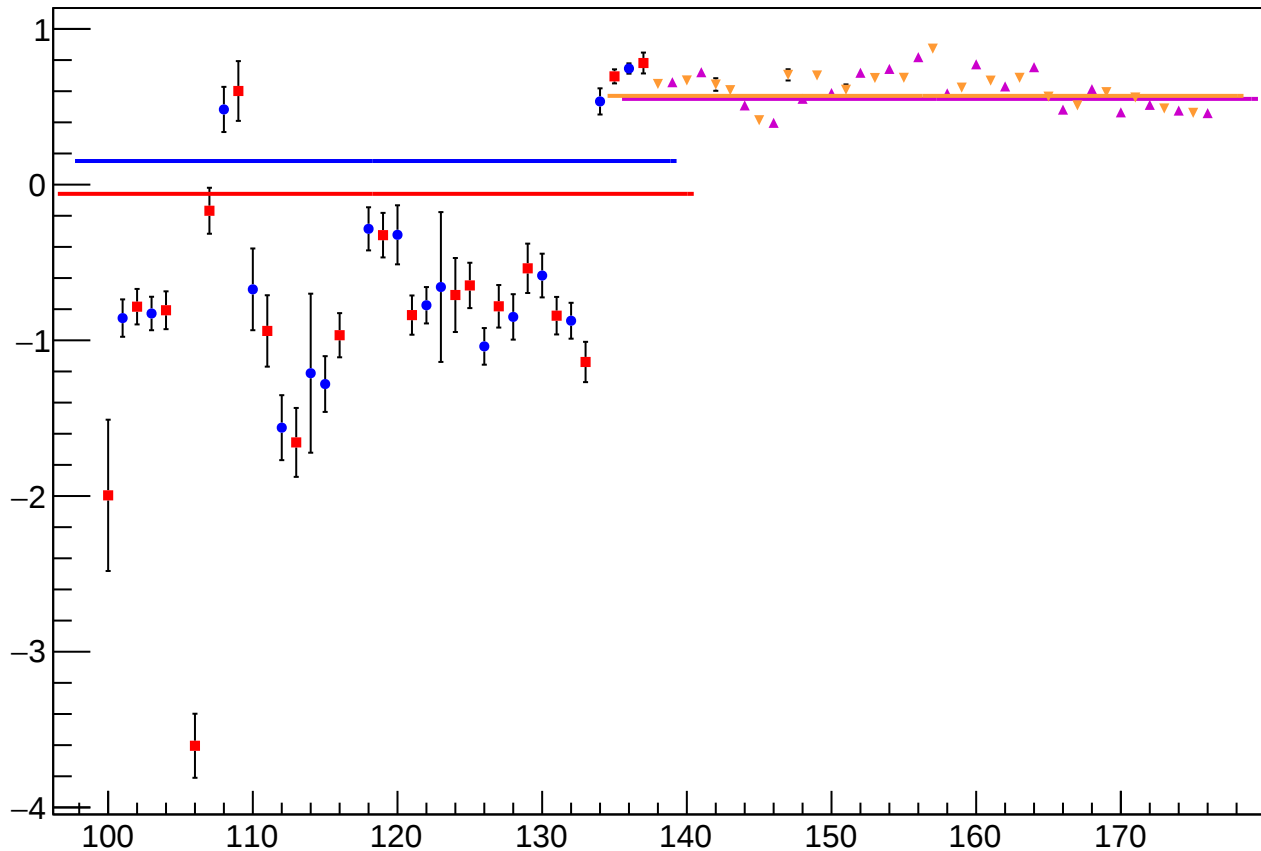
Right: -63.995 $\pm$ 0.329 χ^2 /NDF: 3616.4/35

In: -32.102 $\pm$ 0.095 χ^2 /NDF: 14002.0/35

Out: -33.518 $\pm$ 0.098 χ^2 /NDF: 12939.1/38

All: -32.792 $\pm$ 0.068 χ^2 /NDF: 27048.7/74

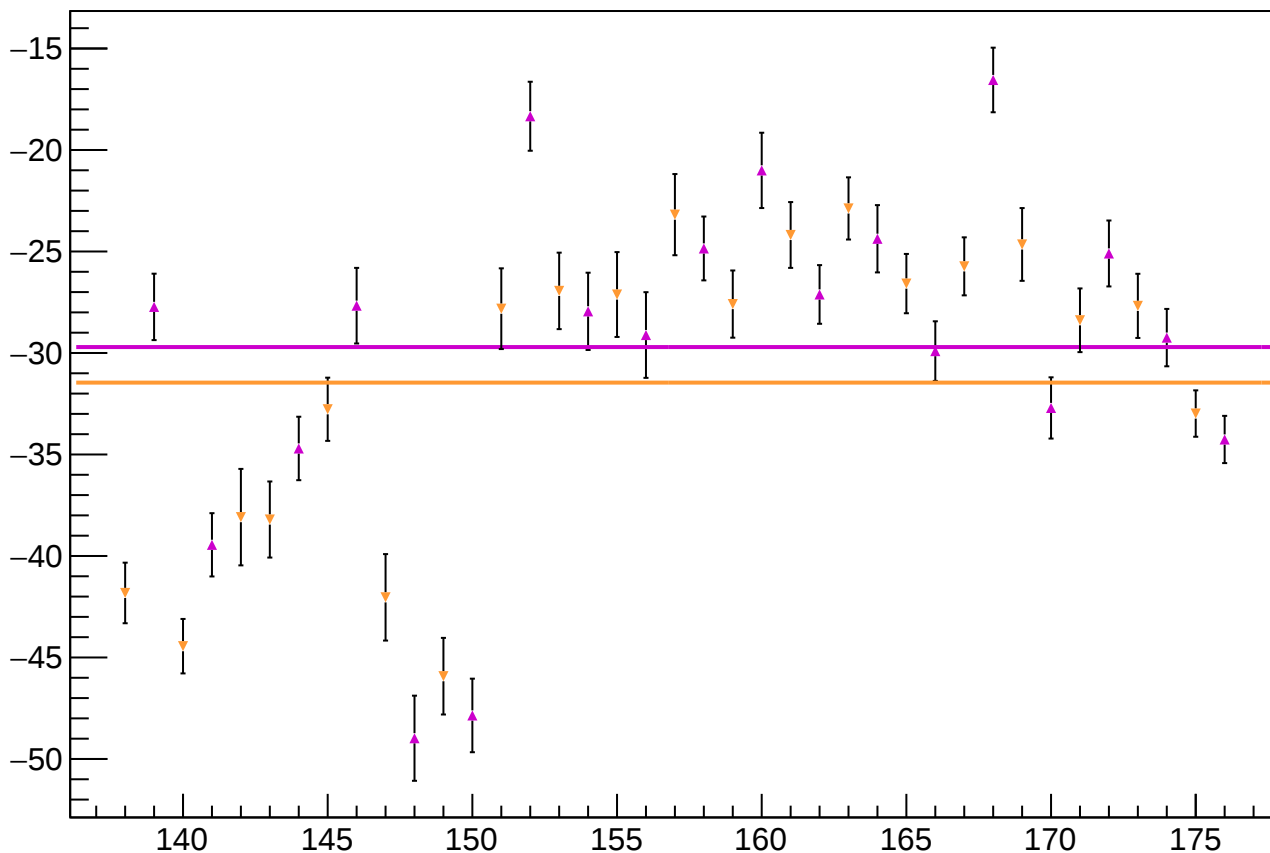
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$
 Left Out: 0.570 ± 0.005 $\chi^2/\text{NDF}: 496.2/19$
 Right Out: -0.059 ± 0.026 $\chi^2/\text{NDF}: 1161.9/18$
 Left In: 0.551 ± 0.004 $\chi^2/\text{NDF}: 630.3/18$

Left: 0.560 ± 0.003 $\chi^2/\text{NDF}: 1135.8/38$
 Right: 0.056 ± 0.018 $\chi^2/\text{NDF}: 2184.3/35$
 In: 0.538 ± 0.004 $\chi^2/\text{NDF}: 1884.1/35$
 Out: 0.551 ± 0.005 $\chi^2/\text{NDF}: 2213.9/38$
 All: 0.544 ± 0.003 $\chi^2/\text{NDF}: 4102.9/74$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.459+/-0.367 χ^2/NDF :387.2/19

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

Left In: -29.708+/-0.370 χ^2/NDF :423.4/18

Left: -30.589+/-0.261 χ^2/NDF : 821.8/38

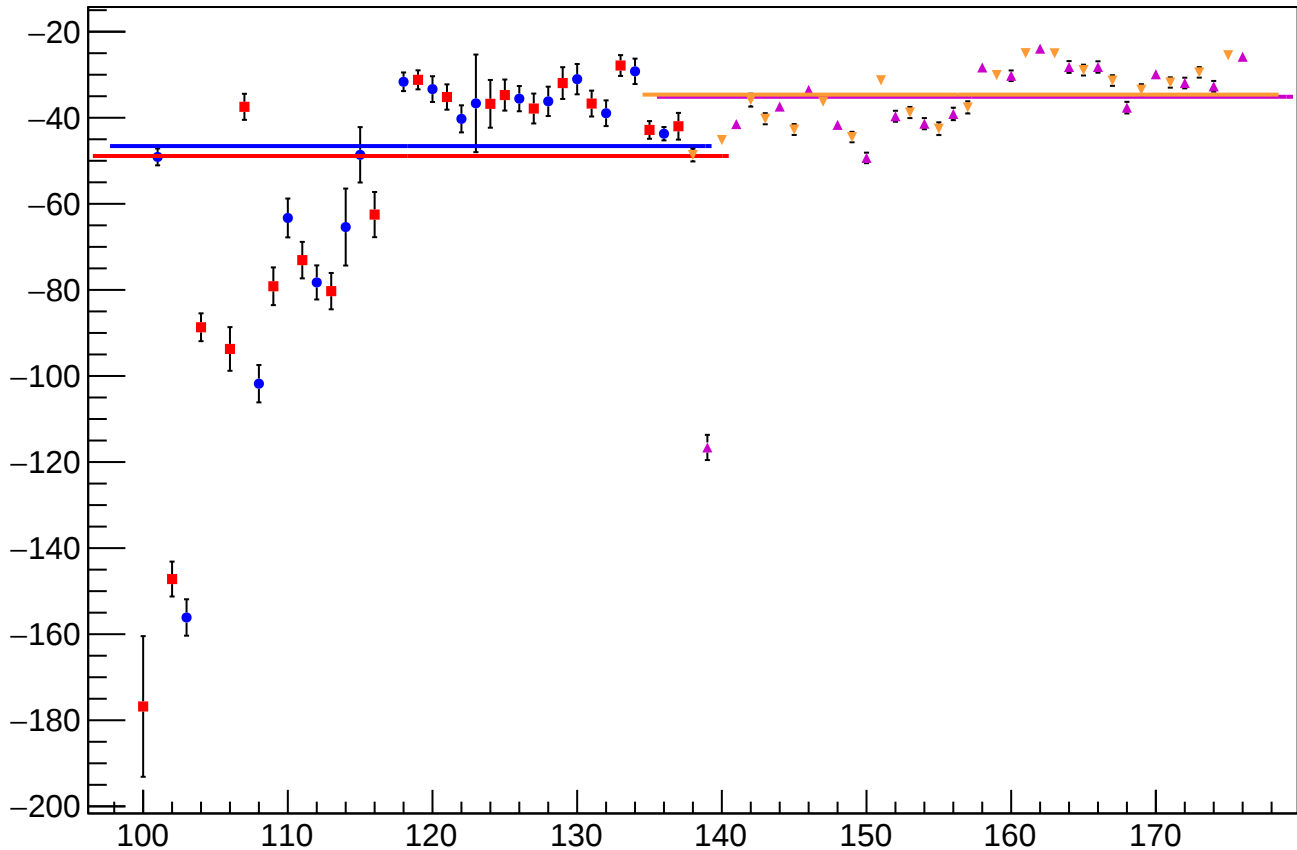
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.708+/-0.370 χ^2/NDF :423.4/18

Out: -31.459+/-0.367 χ^2/NDF :387.2/19

All: -30.589+/-0.261 χ^2/NDF : 821.8/38

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: -34.626 ± 0.274 $\chi^2/\text{NDF}: 640.0/19$

Right Out: -48.888 ± 0.763 $\chi^2/\text{NDF}: 1277.5/18$

Left In: -35.122 ± 0.281 $\chi^2/\text{NDF}: 1341.6/18$

Left: -34.868 ± 0.196 $\chi^2/\text{NDF}: 1983.3/38$

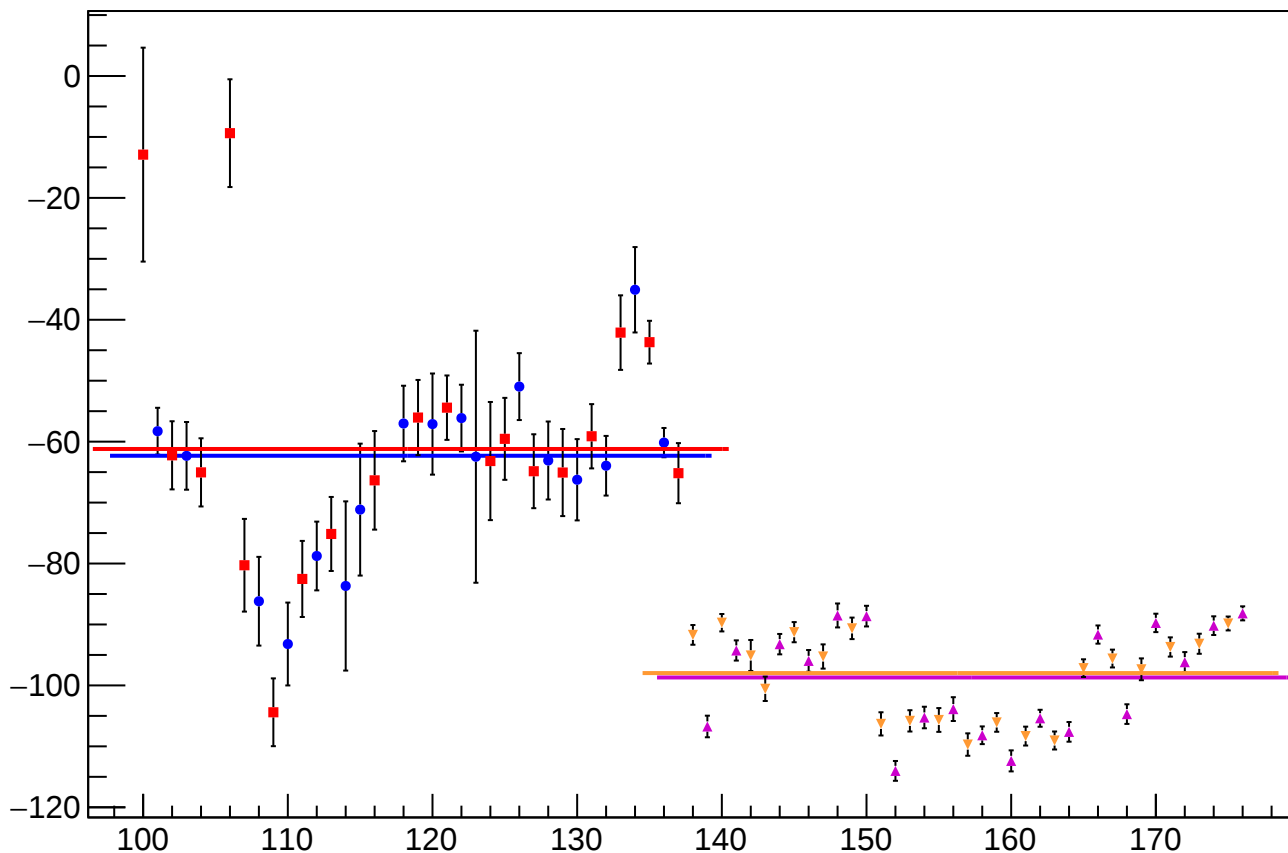
Right: -47.681 ± 0.527 $\chi^2/\text{NDF}: 2358.7/35$

In: -36.603 ± 0.262 $\chi^2/\text{NDF}: 2632.7/35$

Out: -36.256 ± 0.258 $\chi^2/\text{NDF}: 2226.6/38$

All: -36.427 ± 0.184 $\chi^2/\text{NDF}: 4860.2/74$

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: -97.975 ± 0.366 $\chi^2/\text{NDF}: 380.8/19$
 Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$
 Left In: -98.698 ± 0.366 $\chi^2/\text{NDF}: 559.5/18$

Left: -98.336 ± 0.259 $\chi^2/\text{NDF}: 942.2/38$

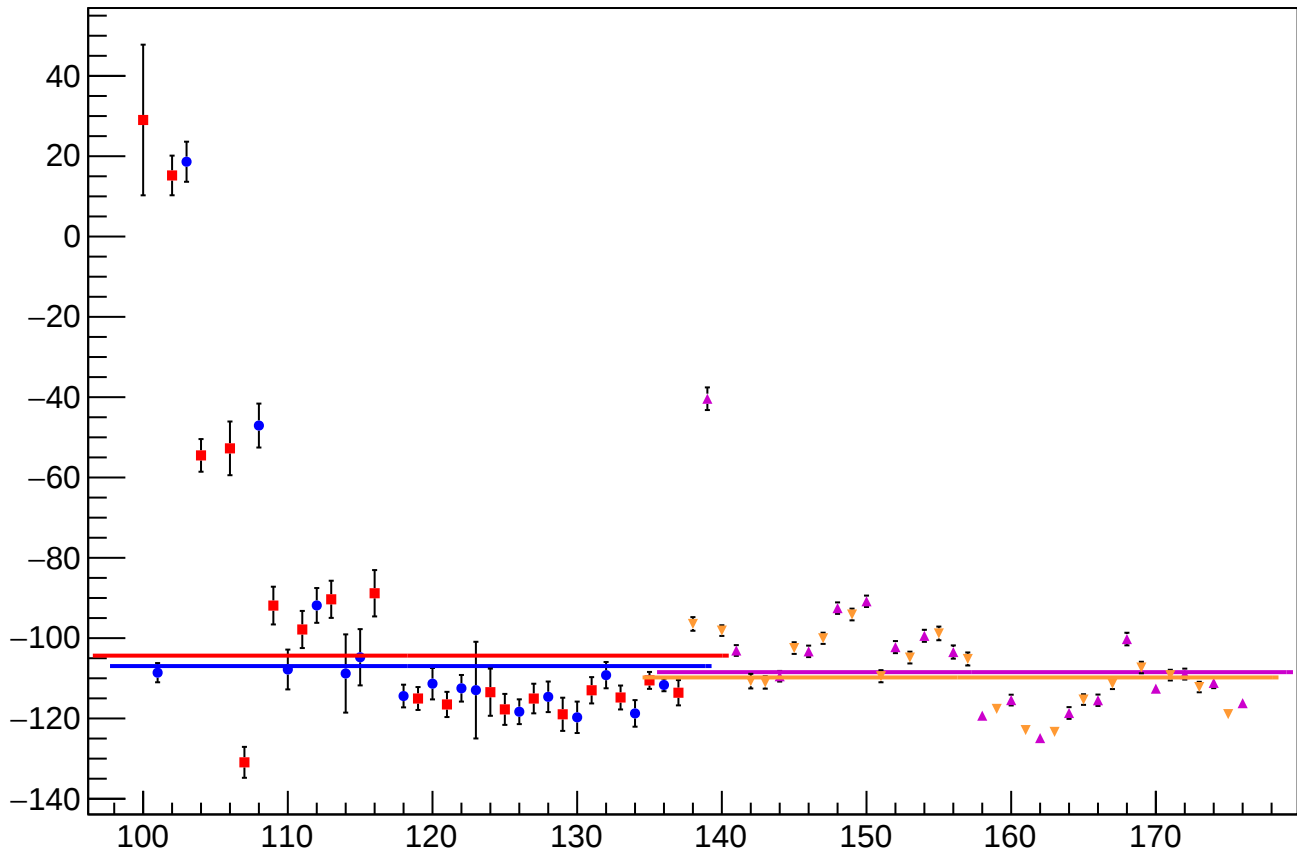
Right: -61.786 ± 0.953 $\chi^2/\text{NDF}: 232.5/35$

In: -96.078 ± 0.353 $\chi^2/\text{NDF}: 1336.3/35$

Out: -95.562 ± 0.354 $\chi^2/\text{NDF}: 1208.3/38$

All: -95.820 ± 0.250 $\chi^2/\text{NDF}: 2545.7/74$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -109.787 ± 0.312 $\chi^2/\text{NDF}: 759.6/19$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

Left In: -108.468 ± 0.318 $\chi^2/\text{NDF}: 1417.8/18$

Left: -109.140 ± 0.223 $\chi^2/\text{NDF}: 2186.2/38$

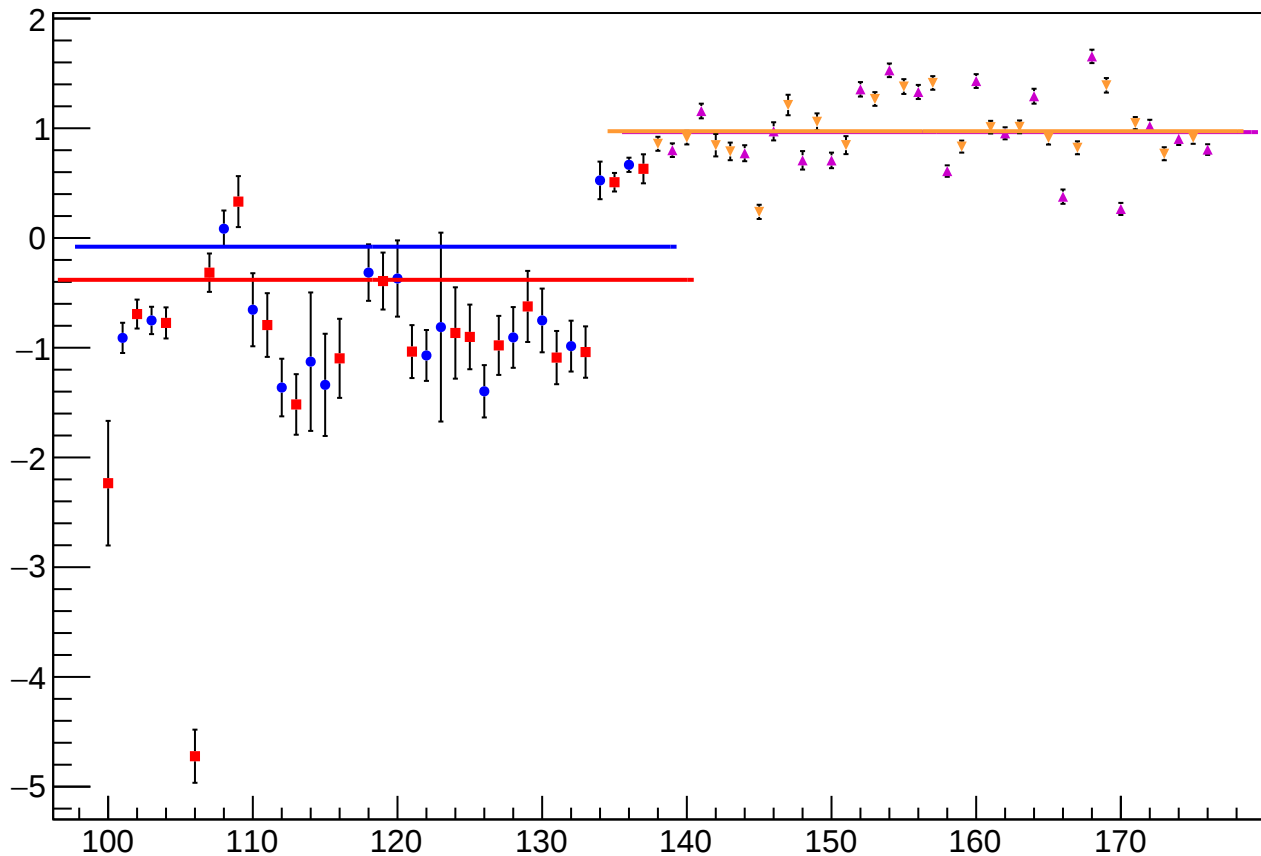
Right: -105.723 ± 0.593 $\chi^2/\text{NDF}: 1853.0/35$

In: -108.269 ± 0.296 $\chi^2/\text{NDF}: 2248.0/35$

Out: -109.157 ± 0.293 $\chi^2/\text{NDF}: 1815.7/38$

All: -108.718 ± 0.208 $\chi^2/\text{NDF}: 4068.3/74$

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: 0.973 ± 0.014 χ^2/NDF : 327.6/19

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

Left In: 0.965 ± 0.014 χ^2/NDF : 700.8/18

Left: 0.969 ± 0.010 χ^2/NDF : 1028.6/38

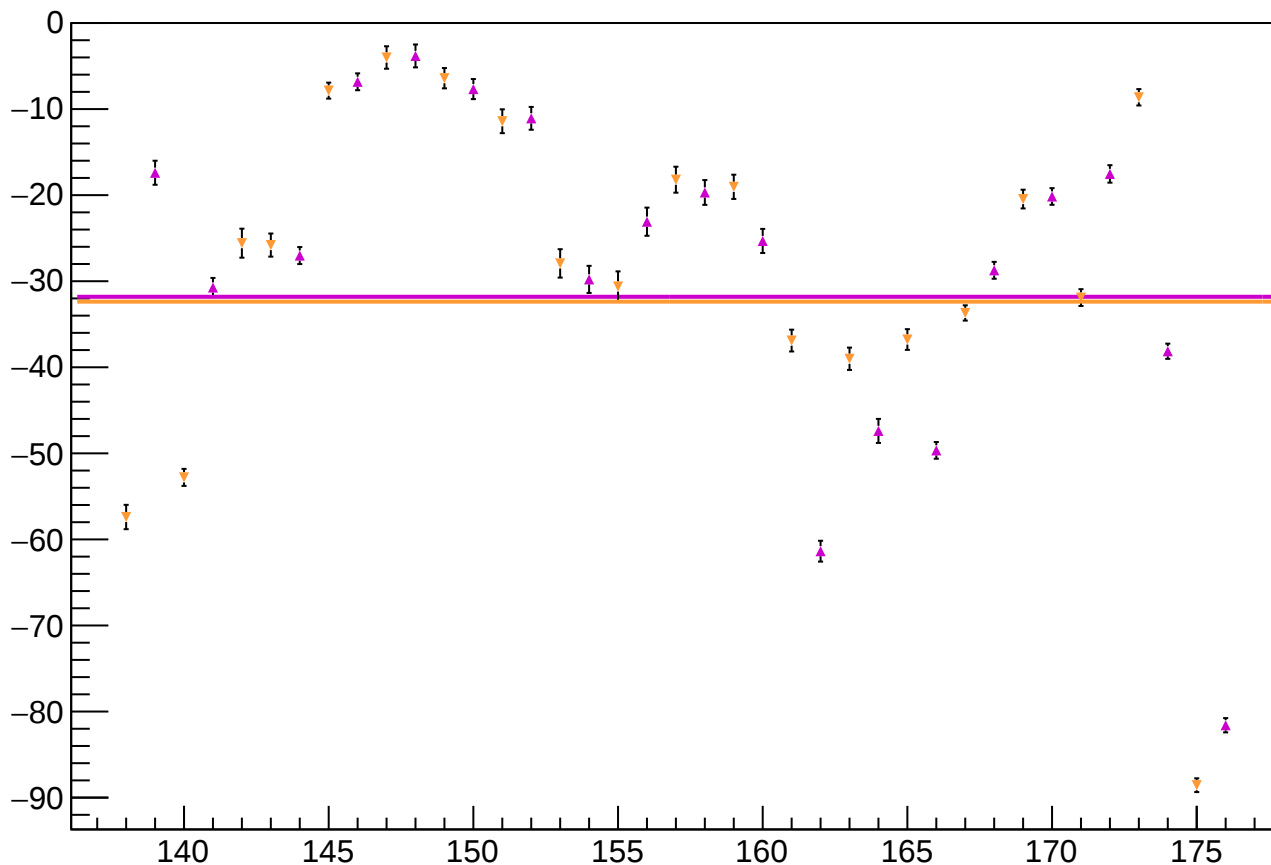
Right: -0.224 ± 0.030 χ^2/NDF : 933.5/35

In: 0.858 ± 0.014 χ^2/NDF : 1577.3/35

Out: 0.842 ± 0.014 χ^2/NDF : 1763.0/38

All: 0.850 ± 0.010 χ^2/NDF : 3341.1/74

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.374+/-0.260 χ^2/NDF :8574.5/19

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

Left In: -31.807+/-0.257 χ^2/NDF :7063.0/18

Left: -32.088+/-0.183 χ^2/NDF : 15639.9/38

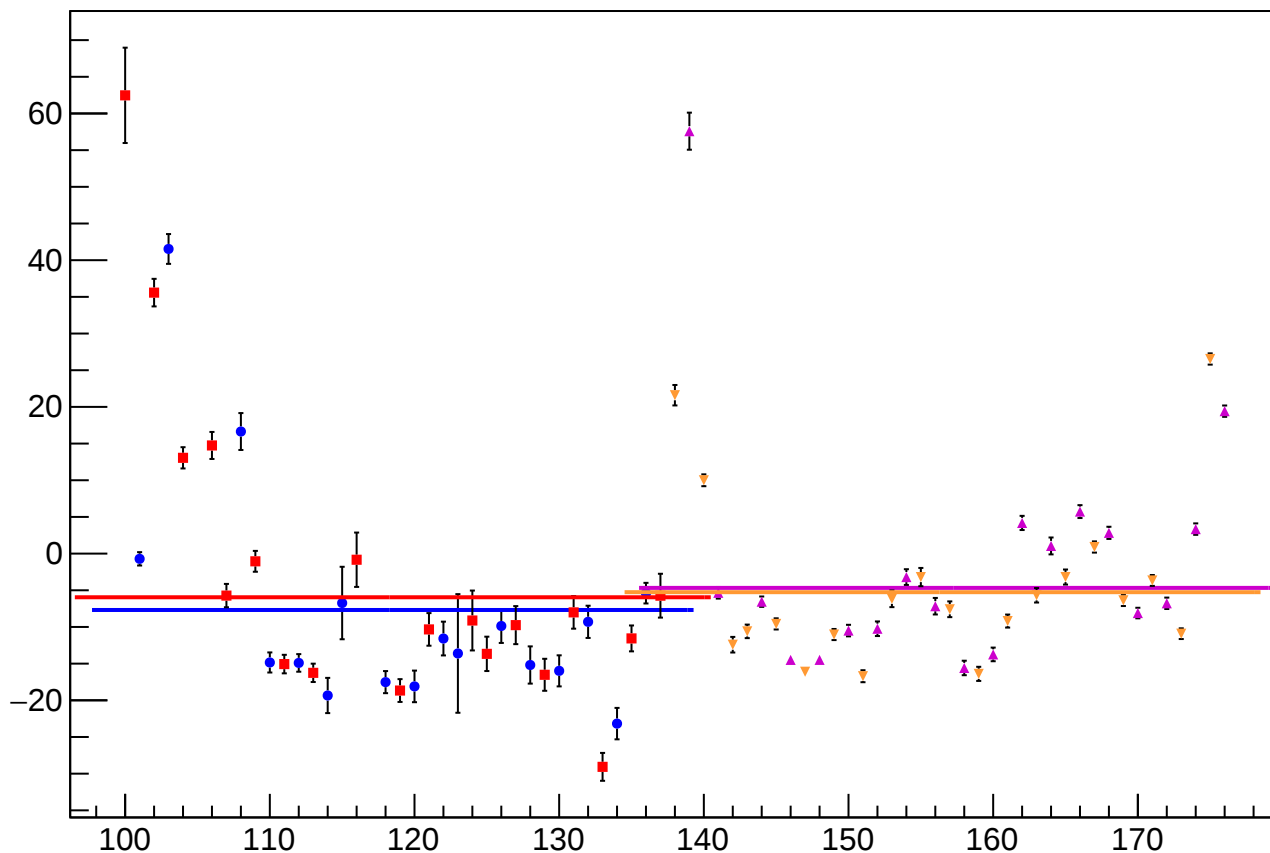
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.807+/-0.257 χ^2/NDF :7063.0/18

Out: -32.374+/-0.260 χ^2/NDF :8574.5/19

All: -32.088+/-0.183 χ^2/NDF : 15639.9/38

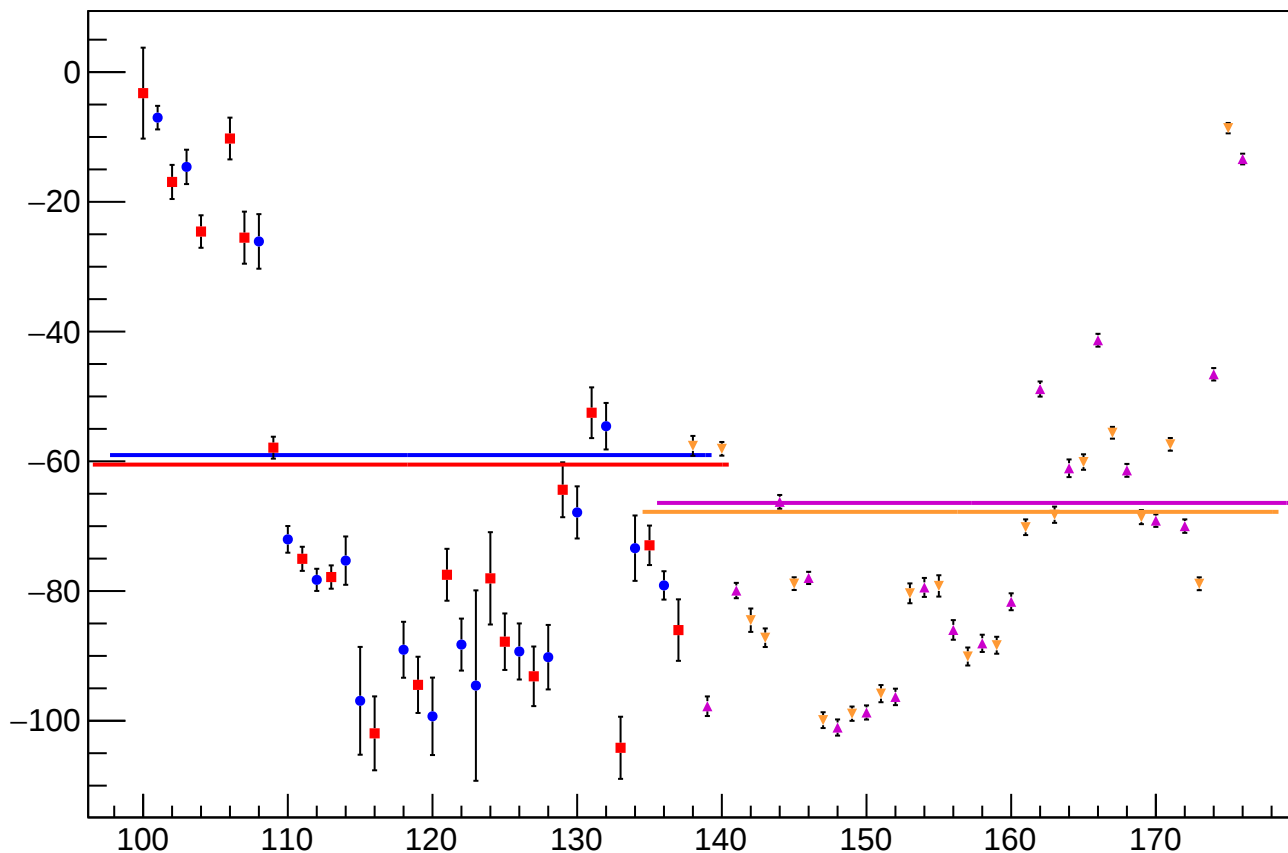
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16
 Left Out: -5.259 ± 0.192 χ^2/NDF : 3405.1/19
 Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18
 Left In: -4.674 ± 0.194 χ^2/NDF : 2846.4/18

Left: -4.968 ± 0.136 χ^2/NDF : 6256.0/38
 Right: -6.817 ± 0.304 χ^2/NDF : 2282.2/35
 In: -5.182 ± 0.176 χ^2/NDF : 3863.1/35
 Out: -5.376 ± 0.176 χ^2/NDF : 4705.3/38
 All: -5.279 ± 0.124 χ^2/NDF : 8569.1/74

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: -67.793 ± 0.260 χ^2/NDF : 9004.7/19

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

Left In: -66.414 ± 0.256 χ^2/NDF : 9069.3/18

Left: -67.094 ± 0.183 χ^2/NDF : 18088.3/38

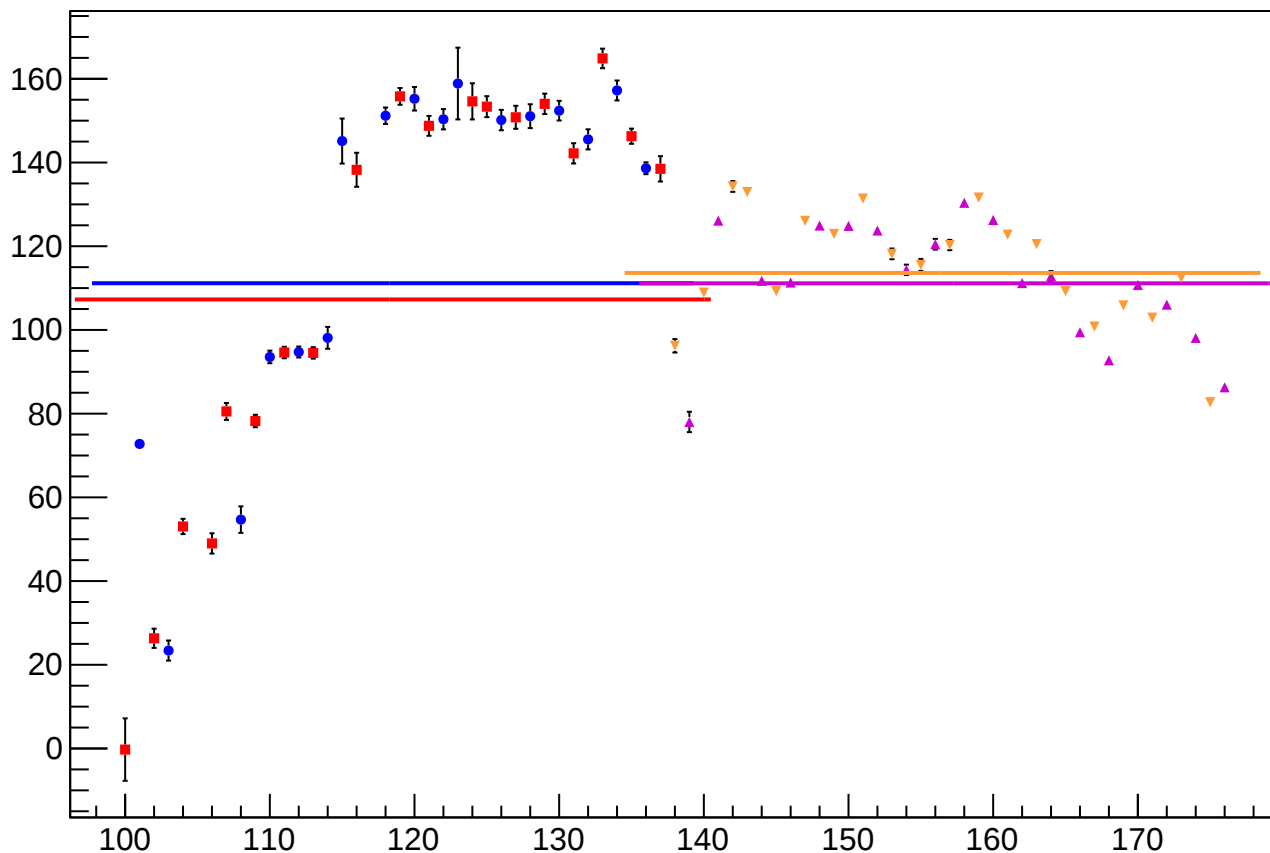
Right: -59.815 ± 0.512 χ^2/NDF : 3096.4/35

In: -65.634 ± 0.243 χ^2/NDF : 10866.3/35

Out: -66.920 ± 0.244 χ^2/NDF : 10483.7/38

All: -66.273 ± 0.172 χ^2/NDF : 21364.0/74

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 113.625 $\pm$ 0.220 χ^2 /NDF: 3787.0/19

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

Left In: 111.136 $\pm$ 0.221 χ^2 /NDF: 3334.5/18

Left: 112.385 $\pm$ 0.156 χ^2 /NDF: 7185.1/38

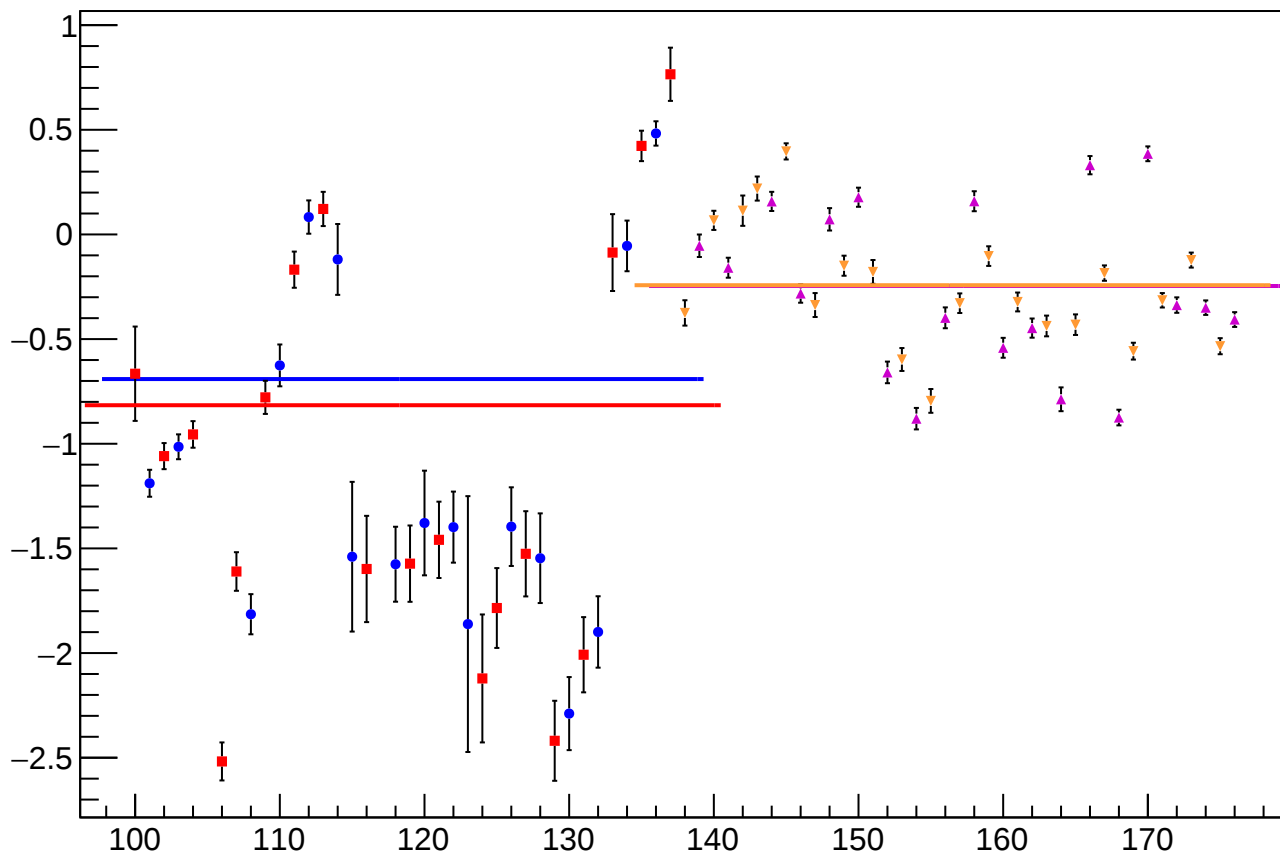
Right: 109.217 $\pm$ 0.345 χ^2 /NDF: 12964.2/35

In: 111.140 $\pm$ 0.201 χ^2 /NDF: 9212.1/35

Out: 112.550 $\pm$ 0.201 χ^2 /NDF: 10982.6/38

All: 111.847 $\pm$ 0.142 χ^2 /NDF: 20219.2/74

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691 $\pm$ 0.026 χ^2 /NDF: 990.9/16

Left Out: -0.243 $\pm$ 0.010 χ^2 /NDF:740.4/19

Right Out: -0.816 $\pm$ 0.024 χ^2 /NDF: 1304.4/18

Left In: -0.246 $\pm$ 0.010 χ^2 /NDF:1475.2/18

Left: -0.245 $\pm$ 0.007 χ^2 /NDF: 2215.7/38

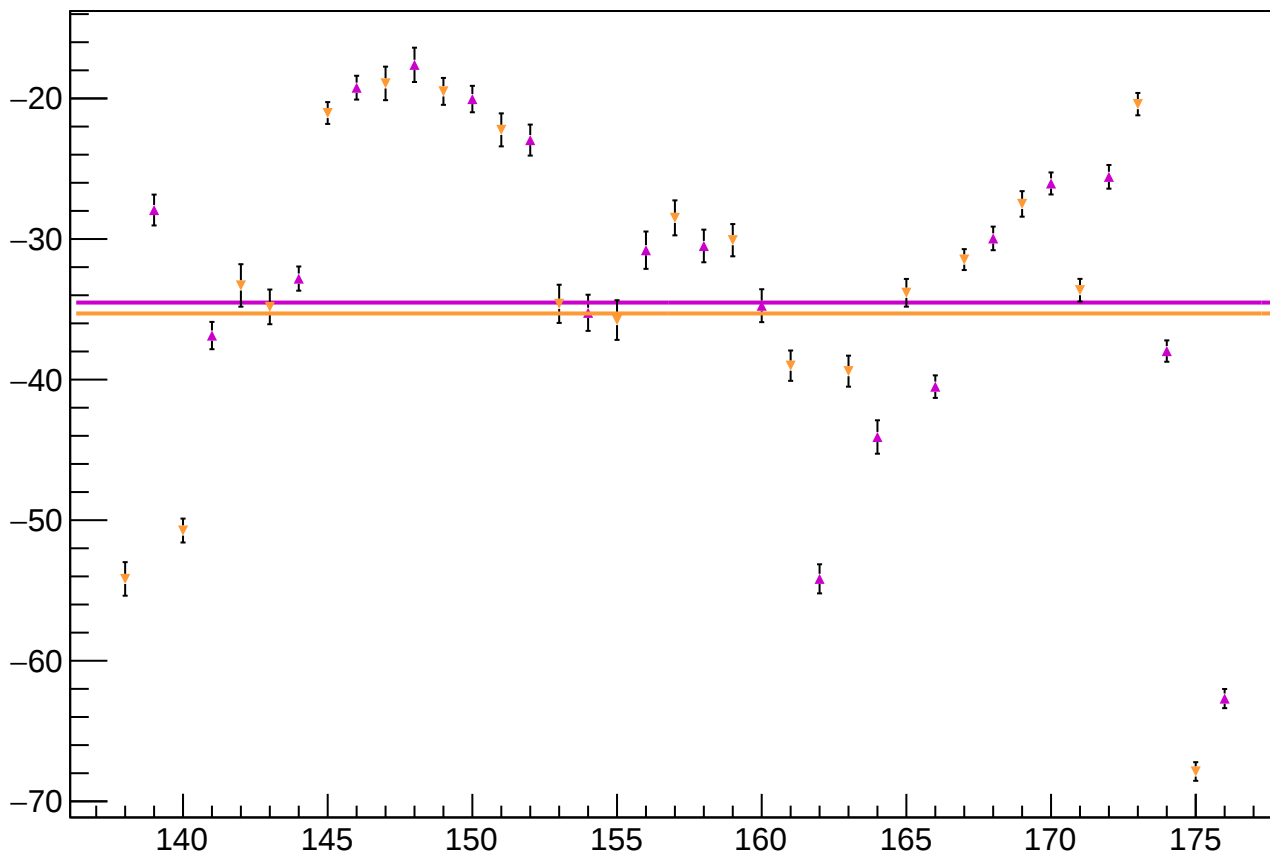
Right: -0.757 $\pm$ 0.018 χ^2 /NDF: 2307.7/35

In: -0.305 $\pm$ 0.009 χ^2 /NDF:2723.4/35

Out: -0.329 $\pm$ 0.009 χ^2 /NDF:2515.1/38

All: -0.317 $\pm$ 0.007 χ^2 /NDF: 5241.7/74

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



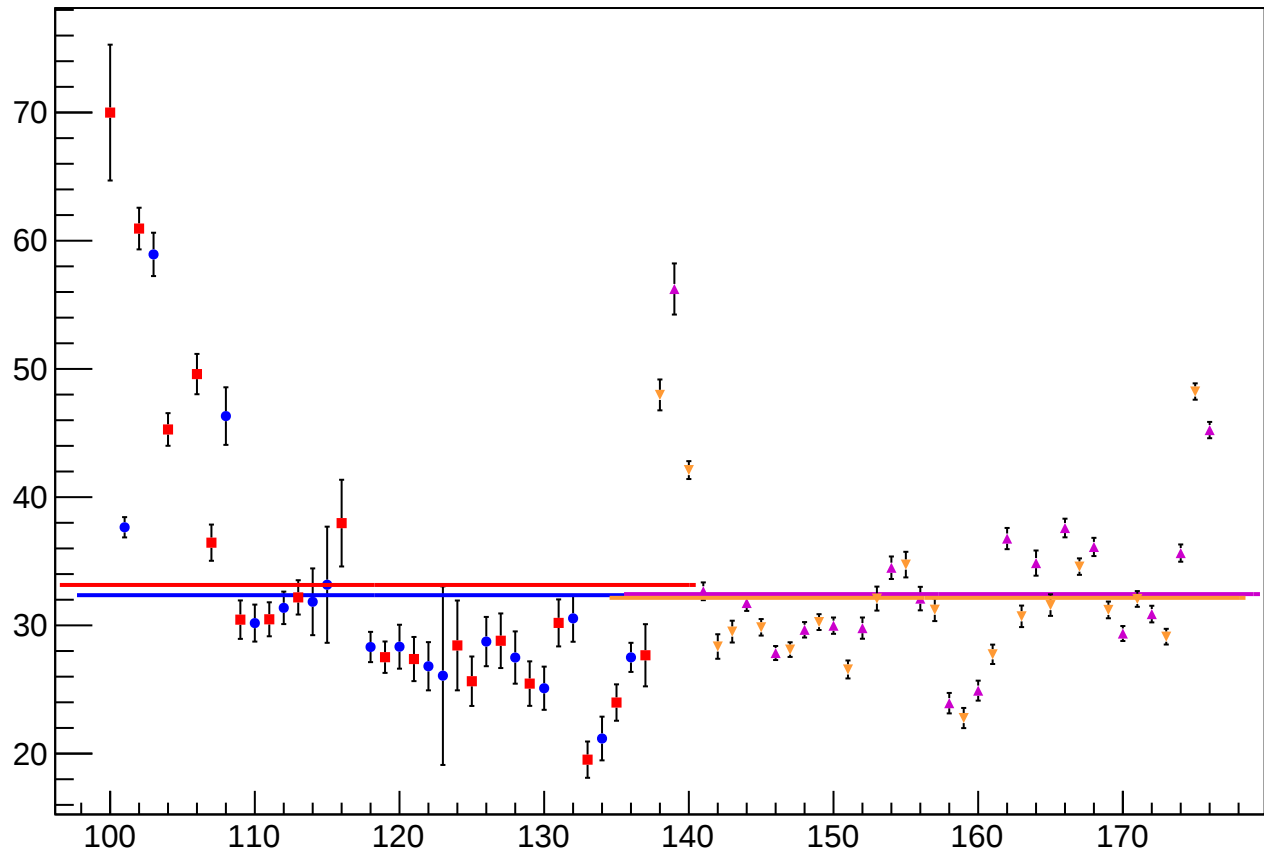
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -35.295 $\pm$ 0.219 χ^2/NDF :4456.9/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -34.520 $\pm$ 0.216 χ^2/NDF :3402.4/18

Left: -34.903 $\pm$ 0.154 χ^2/NDF : 7865.7/38
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -34.520 $\pm$ 0.216 χ^2/NDF :3402.4/18
 Out: -35.295 $\pm$ 0.219 χ^2/NDF :4456.9/19

All: -34.903 $\pm$ 0.154 χ^2/NDF : 7865.7/38

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: 32.147+/-0.163 χ^2/NDF :1403.4/19

Right Out: 33.152+/-0.379 χ^2/NDF : 772.0/18

Left In: 32.439+/-0.164 χ^2/NDF :1046.3/18

Left: 32.292+/-0.116 χ^2/NDF : 2451.3/38

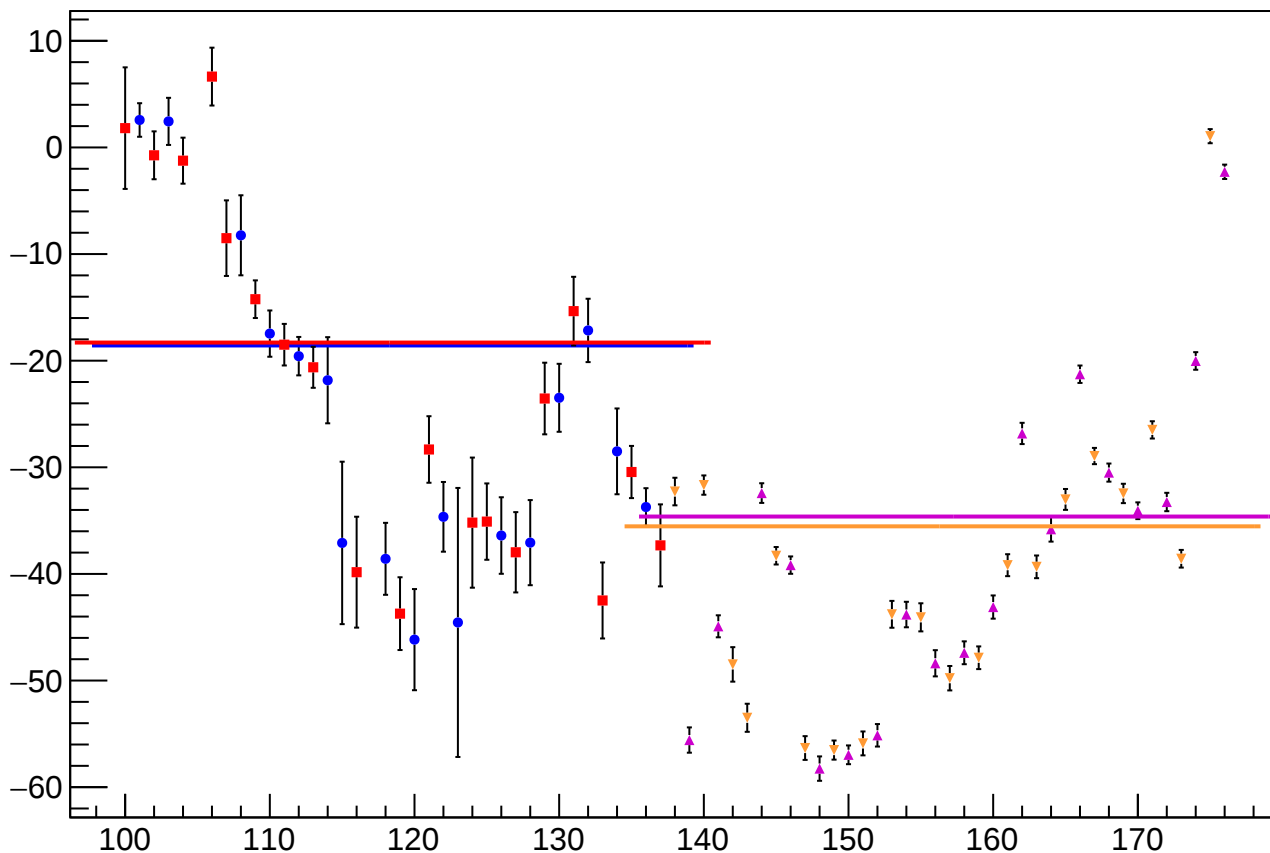
Right: 32.750+/-0.267 χ^2/NDF : 1224.7/35

In: 32.425+/-0.150 χ^2/NDF :1496.8/35

Out: 32.304+/-0.150 χ^2/NDF :2181.3/38

All: 32.365+/-0.106 χ^2/NDF : 3678.4/74

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: -35.537 ± 0.218 χ^2/NDF : 5196.5/19

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

Left In: -34.618 ± 0.215 χ^2/NDF : 5256.1/18

Left: -35.071 ± 0.153 χ^2/NDF : 10461.6/38

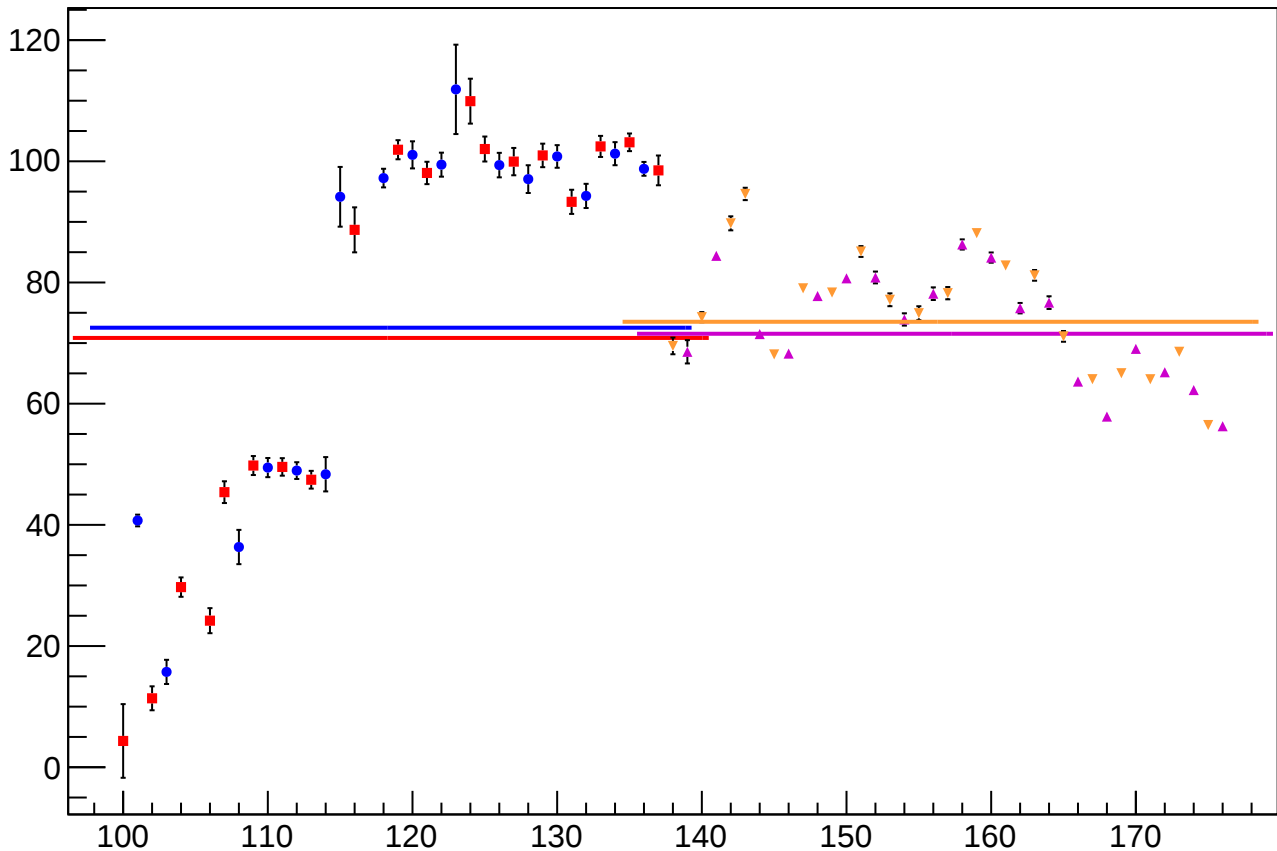
Right: -18.431 ± 0.463 χ^2/NDF : 984.9/35

In: -33.110 ± 0.205 χ^2/NDF : 6291.2/35

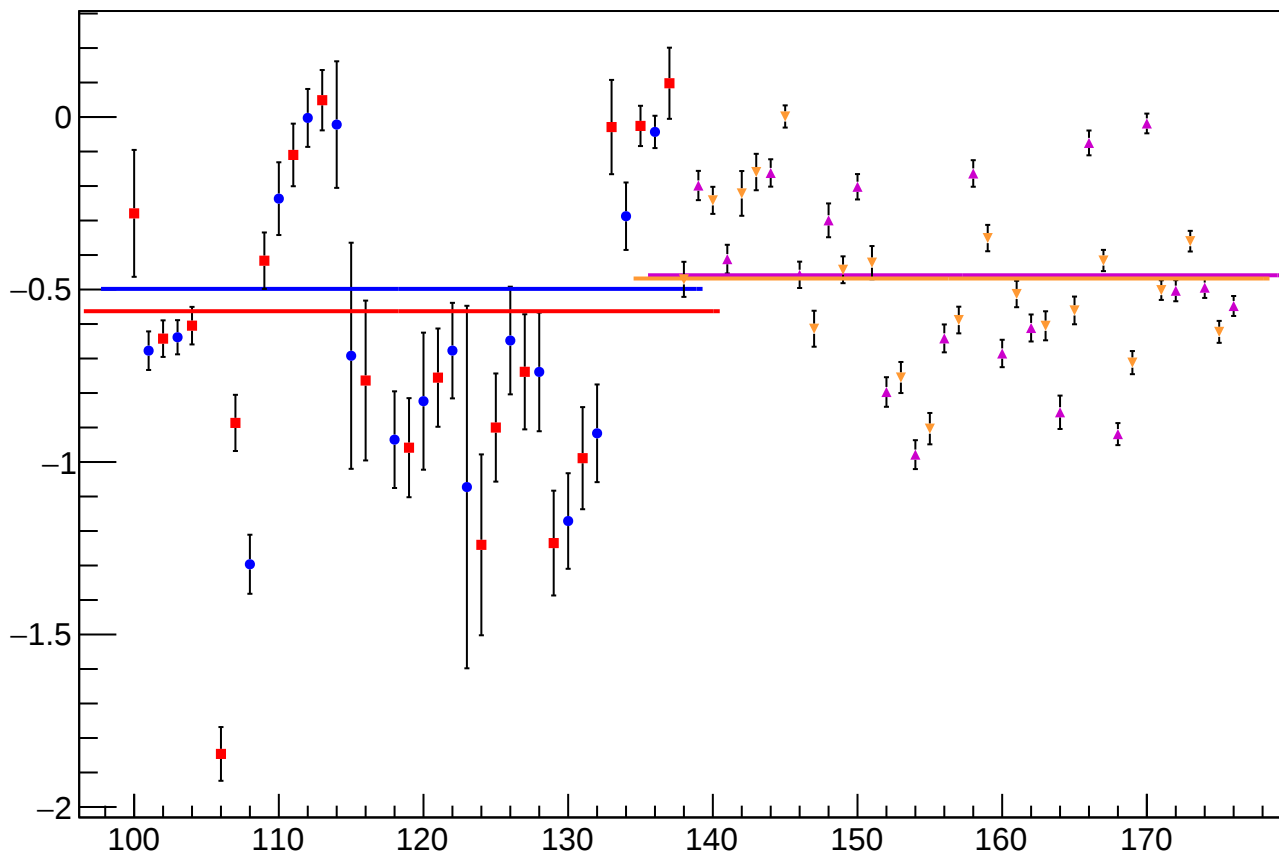
Out: -33.763 ± 0.207 χ^2/NDF : 6312.9/38

All: -33.434 ± 0.145 χ^2/NDF : 12609.1/74

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -0.468 ± 0.009 χ^2/NDF : 566.8/19

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

Left In: -0.459 ± 0.008 χ^2/NDF : 1135.9/18

Left: -0.463 ± 0.006 χ^2/NDF : 1703.3/38

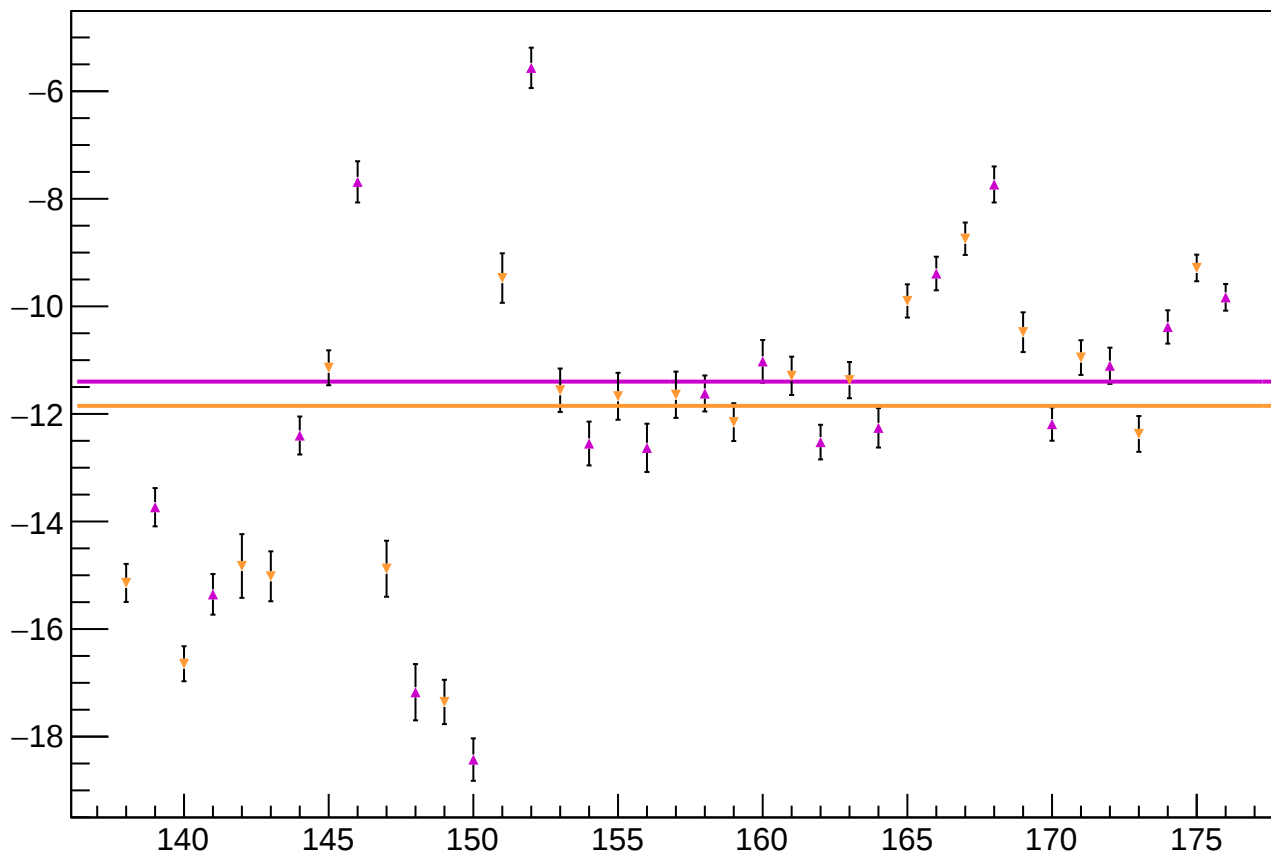
Right: -0.532 ± 0.015 χ^2/NDF : 867.9/35

In: -0.464 ± 0.008 χ^2/NDF : 1441.4/35

Out: -0.481 ± 0.008 χ^2/NDF : 1144.4/38

All: -0.472 ± 0.006 χ^2/NDF : 2588.3/74

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -11.850 ± 0.081 χ^2/NDF : 903.5/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -11.399 ± 0.080 χ^2/NDF : 1188.5/18

Left: -11.623 ± 0.057 χ^2/NDF : 2107.7/38

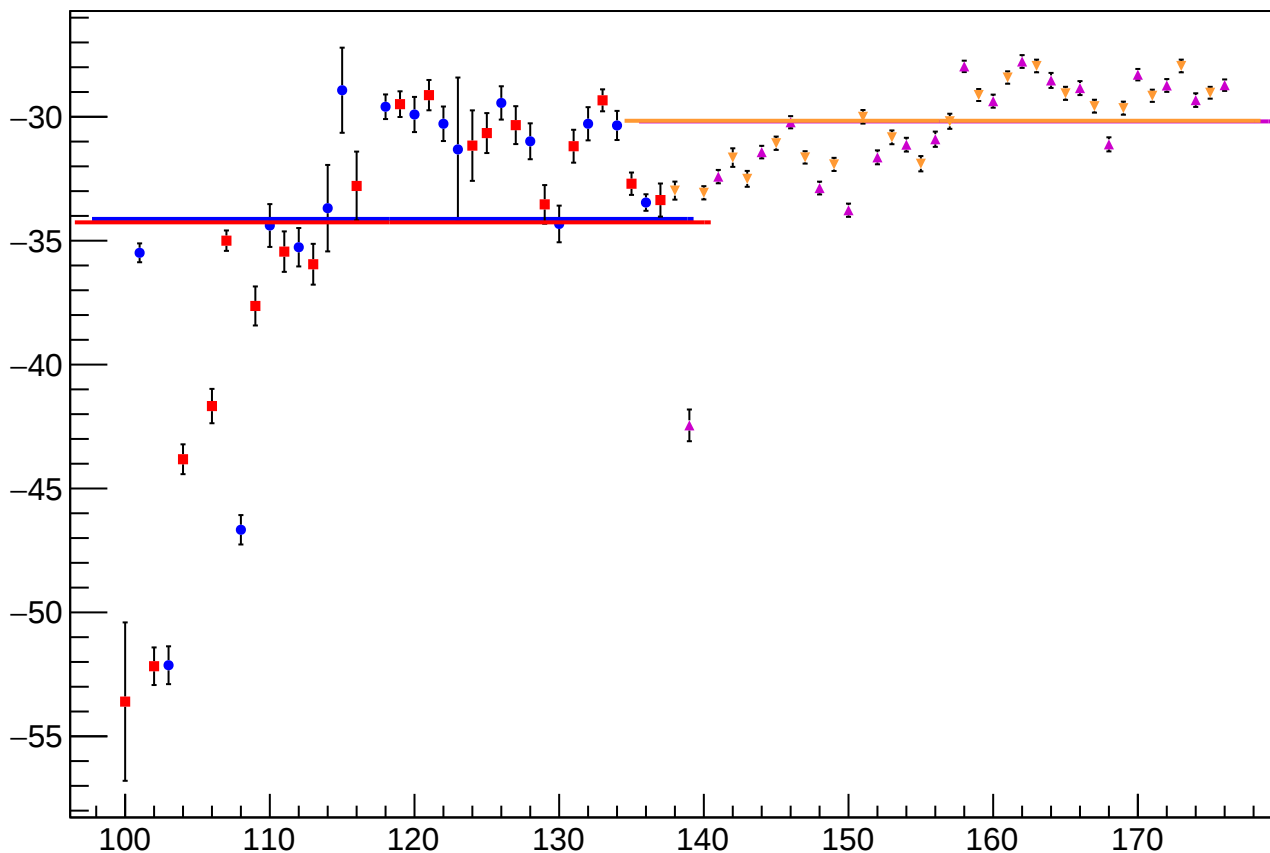
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -11.399 ± 0.080 χ^2/NDF : 1188.5/18

Out: -11.850 ± 0.081 χ^2/NDF : 903.5/19

All: -11.623 ± 0.057 χ^2/NDF : 2107.7/38

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: -30.160 ± 0.061 $\chi^2/\text{NDF}: 656.8/19$

Right Out: -34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

Left In: -30.186 ± 0.062 $\chi^2/\text{NDF}: 1191.5/18$

Left: -30.173 ± 0.043 $\chi^2/\text{NDF}: 1848.4/38$

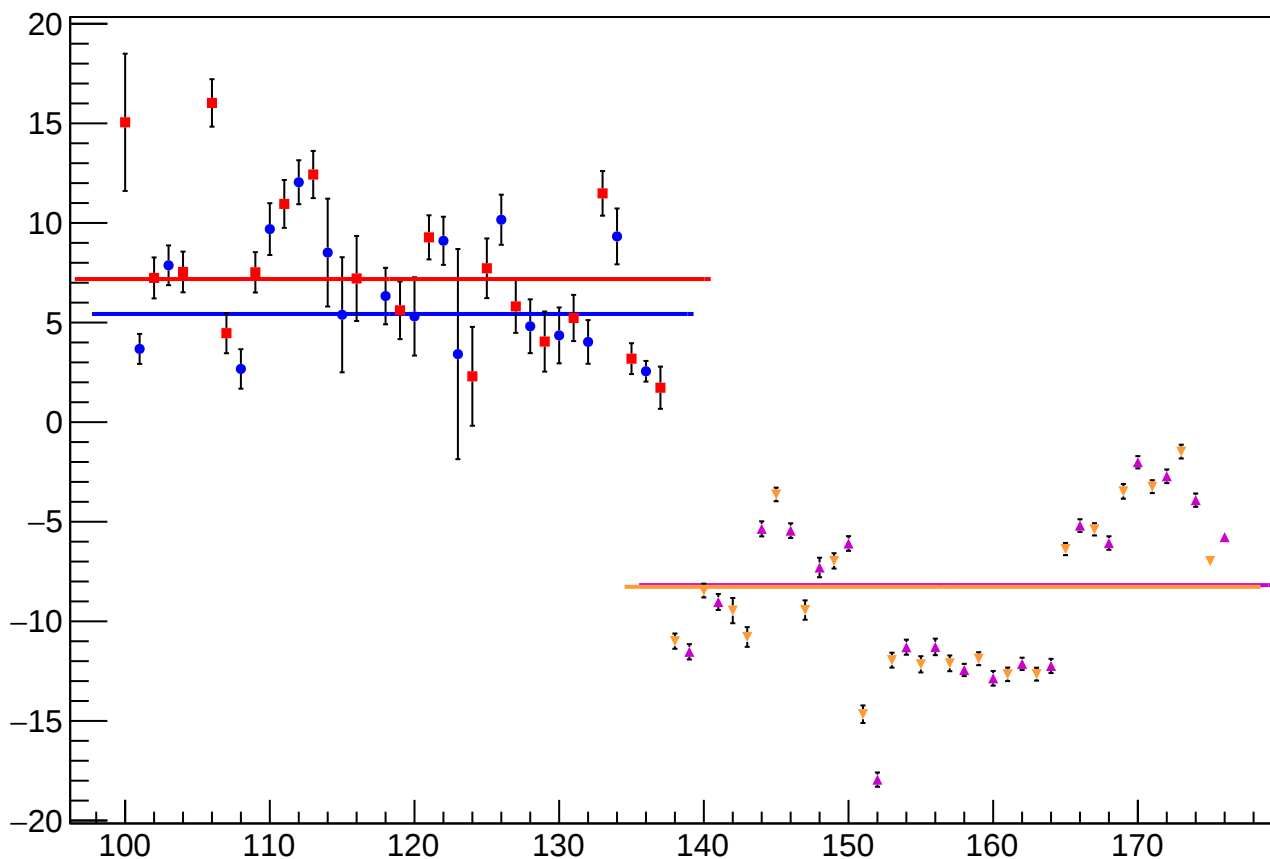
Right: -34.191 ± 0.107 $\chi^2/\text{NDF}: 2677.8/35$

In: -30.745 ± 0.057 $\chi^2/\text{NDF}: 3090.7/35$

Out: -30.733 ± 0.056 $\chi^2/\text{NDF}: 2647.3/38$

All: -30.739 ± 0.040 $\chi^2/\text{NDF}: 5738.0/74$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -8.266 ± 0.080 χ^2/NDF : 2189.3/19

Right Out: 7.185 ± 0.274 χ^2/NDF : 182.1/18

Left In: -8.182 ± 0.079 χ^2/NDF : 2766.3/18

Left: -8.224 ± 0.056 χ^2/NDF : 4956.2/38

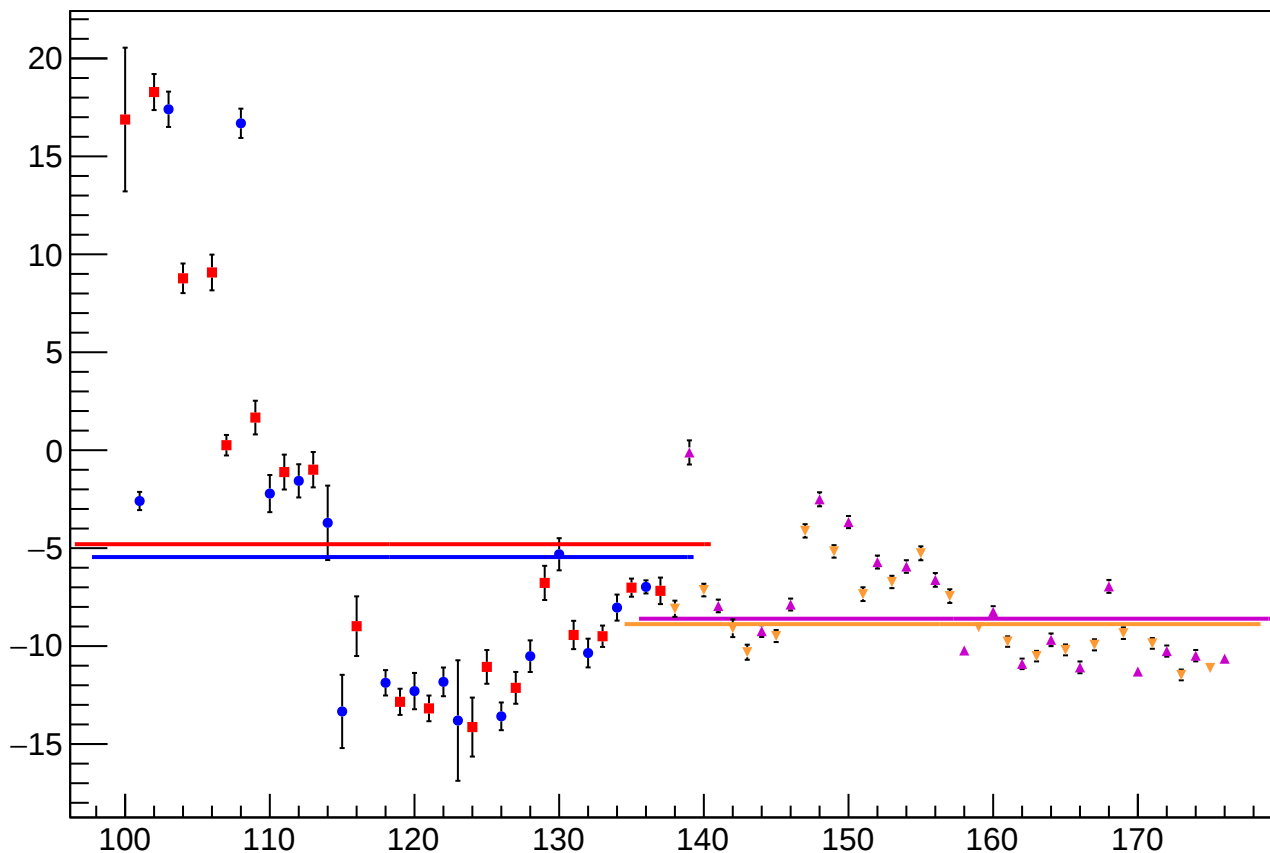
Right: 6.295 ± 0.193 χ^2/NDF : 334.8/35

In: -7.100 ± 0.076 χ^2/NDF : 5231.4/35

Out: -7.054 ± 0.077 χ^2/NDF : 5292.5/38

All: -7.077 ± 0.054 χ^2/NDF : 10524.0/74

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455 ± 0.171 $\chi^2/\text{NDF}: 2096.5/16$

Left Out: -8.879 ± 0.069 $\chi^2/\text{NDF}: 832.9/19$

Right Out: -4.798 ± 0.173 $\chi^2/\text{NDF}: 2047.4/18$

Left In: -8.602 ± 0.069 $\chi^2/\text{NDF}: 1407.3/18$

Left: -8.742 ± 0.049 $\chi^2/\text{NDF}: 2248.3/38$

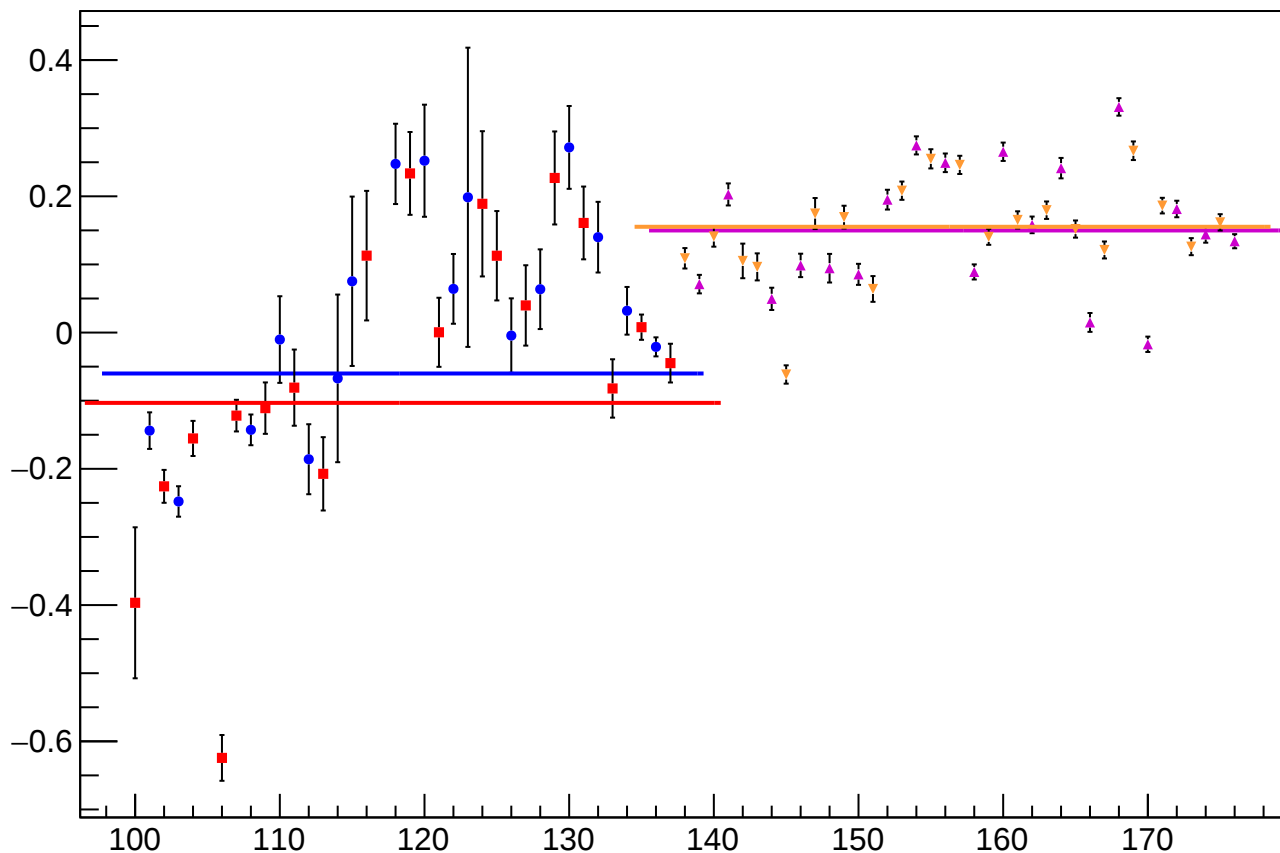
Right: -5.131 ± 0.122 $\chi^2/\text{NDF}: 4151.2/35$

In: -8.157 ± 0.064 $\chi^2/\text{NDF}: 3795.3/35$

Out: -8.325 ± 0.064 $\chi^2/\text{NDF}: 3361.7/38$

All: -8.242 ± 0.045 $\chi^2/\text{NDF}: 7160.3/74$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.155 ± 0.003 χ^2/NDF : 513.1/19

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

Left In: 0.150 ± 0.003 χ^2/NDF : 931.7/18

Left: 0.153 ± 0.002 χ^2/NDF : 1446.3/38

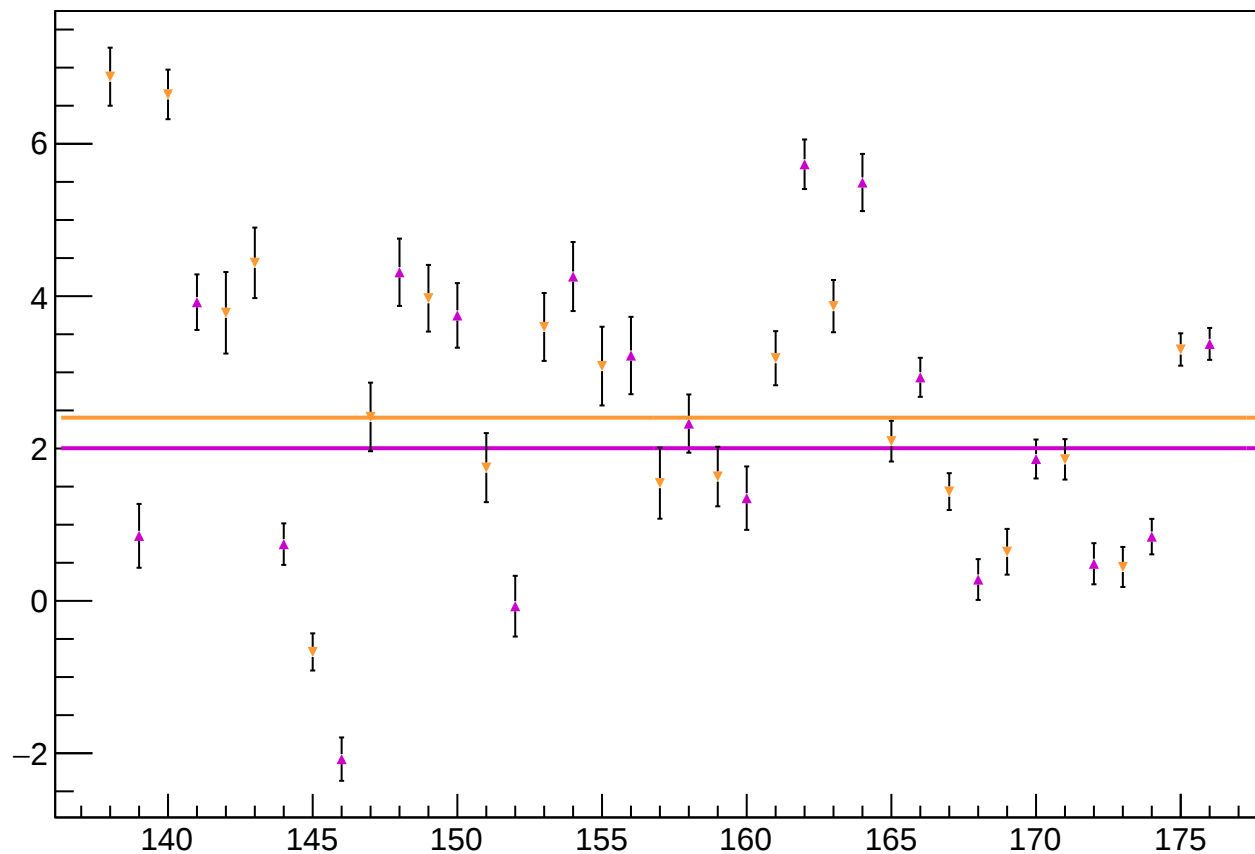
Right: -0.082 ± 0.006 χ^2/NDF : 662.9/35

In: 0.125 ± 0.003 χ^2/NDF : 1697.4/35

Out: 0.124 ± 0.003 χ^2/NDF : 1772.0/38

All: 0.124 ± 0.002 χ^2/NDF : 3469.4/74

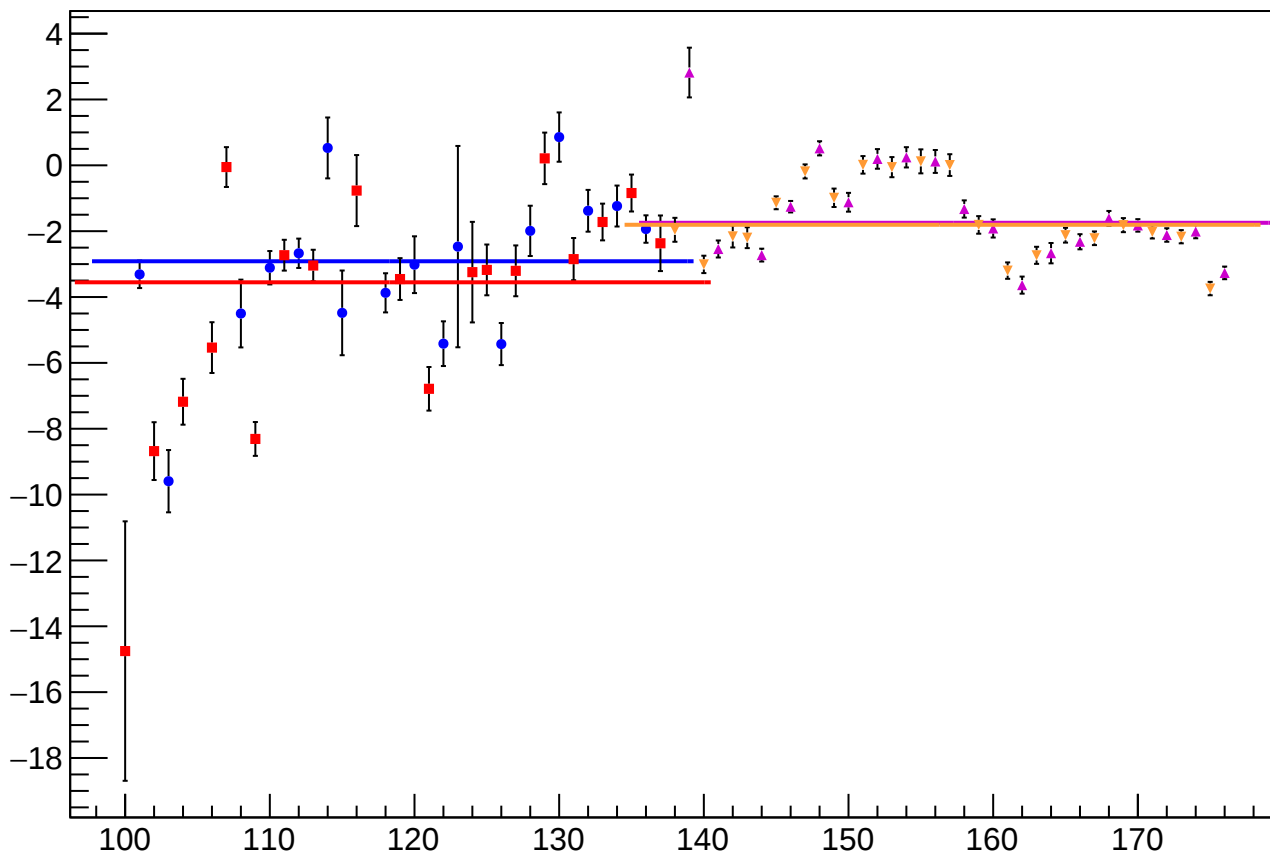
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.405 $\pm$ 0.073 χ^2 /NDF:676.6/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.004 $\pm$ 0.072 χ^2 /NDF:739.0/18

Left: 2.200 $\pm$ 0.051 χ^2 /NDF: 1430.7/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.004 $\pm$ 0.072 χ^2 /NDF:739.0/18
 Out: 2.405 $\pm$ 0.073 χ^2 /NDF:676.6/19
 All: 2.200 $\pm$ 0.051 χ^2 /NDF: 1430.7/38

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.805 ± 0.055 χ^2/NDF : 383.7/19

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

Left In: -1.745 ± 0.055 χ^2/NDF : 446.7/18

Left: -1.775 ± 0.039 χ^2/NDF : 831.0/38

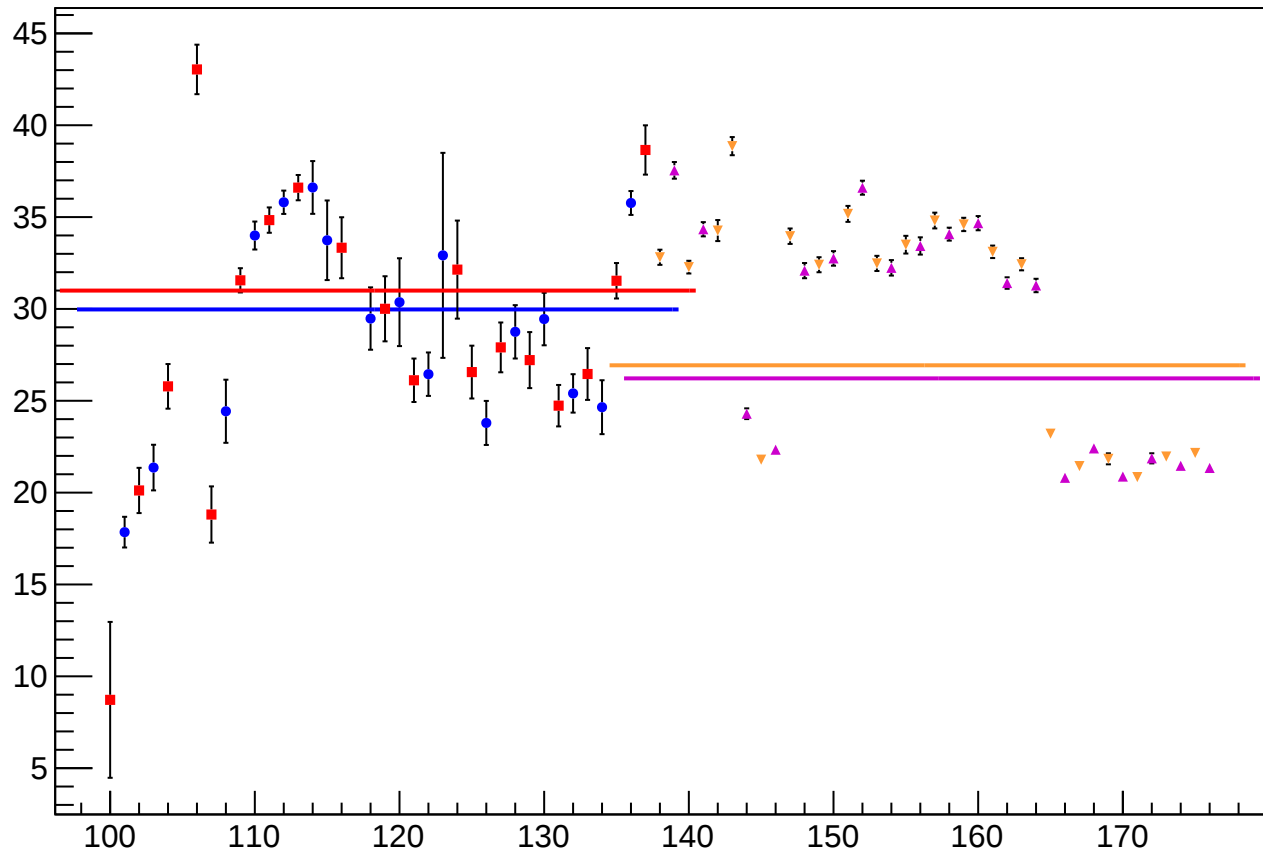
Right: -3.234 ± 0.109 χ^2/NDF : 445.5/35

In: -1.875 ± 0.052 χ^2/NDF : 643.4/35

Out: -2.004 ± 0.052 χ^2/NDF : 787.8/38

All: -1.939 ± 0.037 χ^2/NDF : 1434.3/74

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 26.931 ± 0.073 $\chi^2/\text{NDF}: 6480.1/19$

Right Out: 30.999 ± 0.260 $\chi^2/\text{NDF}: 479.5/18$

Left In: 26.219 ± 0.072 $\chi^2/\text{NDF}: 6617.9/18$

Left: 26.567 ± 0.051 $\chi^2/\text{NDF}: 13146.1/38$

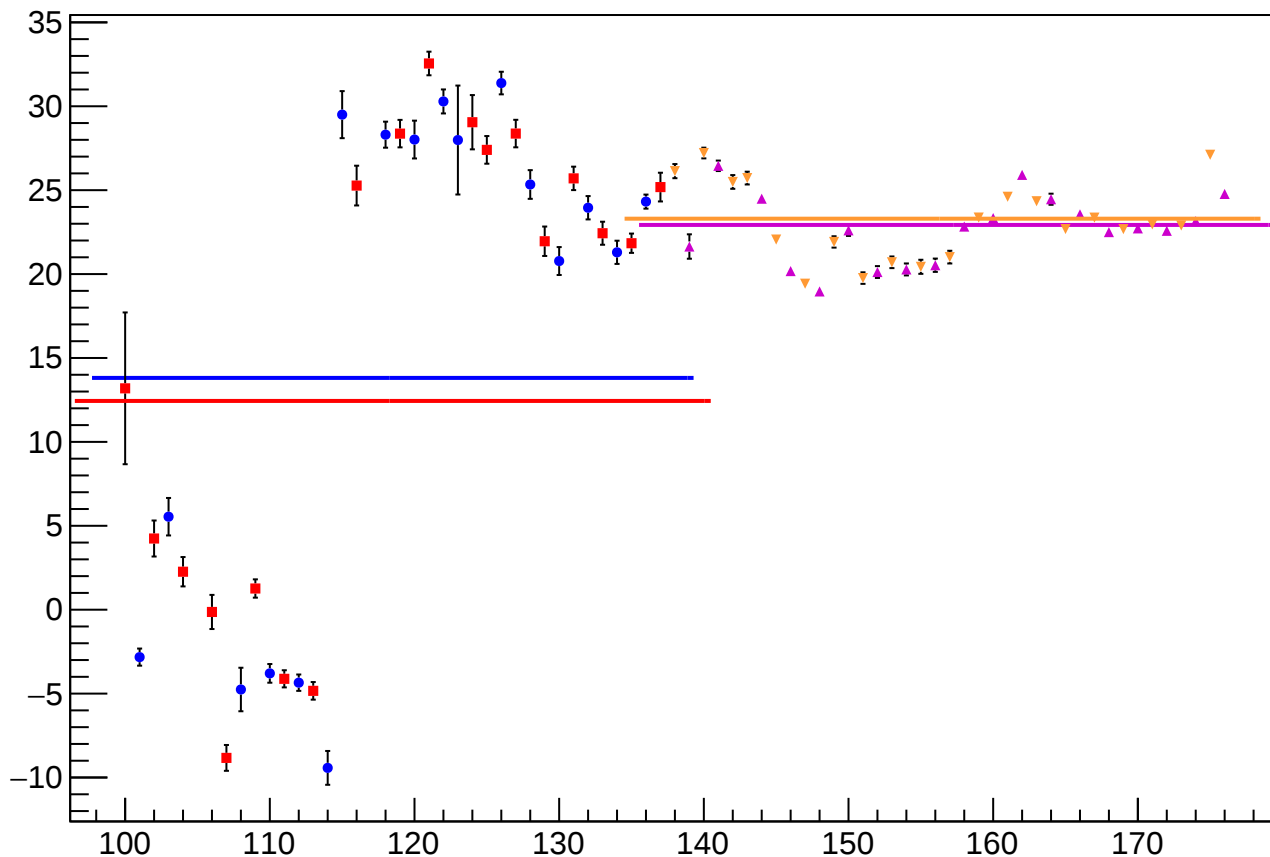
Right: 30.500 ± 0.186 $\chi^2/\text{NDF}: 1041.4/35$

In: 26.472 ± 0.069 $\chi^2/\text{NDF}: 7356.1/35$

Out: 27.232 ± 0.071 $\chi^2/\text{NDF}: 7186.1/38$

All: 26.844 ± 0.050 $\chi^2/\text{NDF}: 14601.2/74$

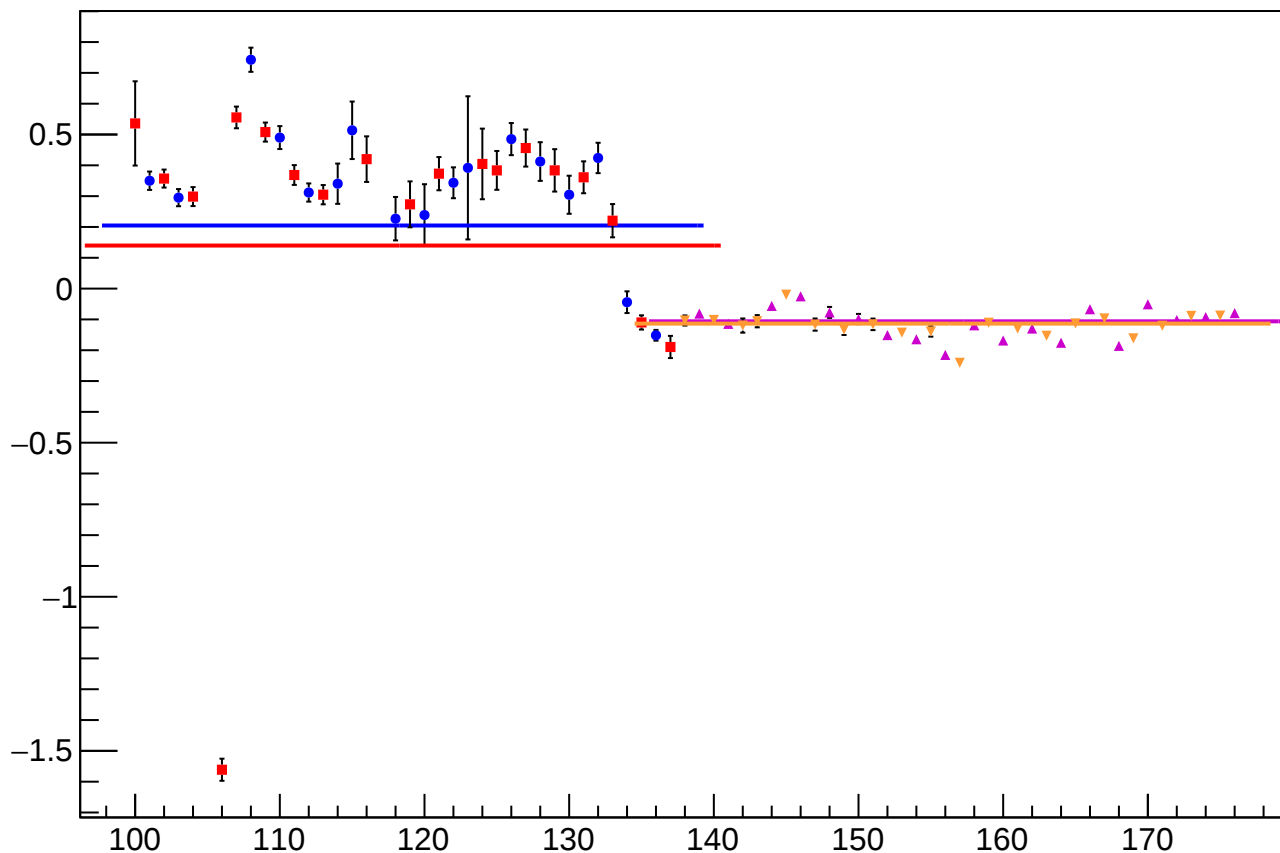
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16
 Left Out: 23.301 $\pm$ 0.063 χ^2 /NDF:1104.0/19
 Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18
 Left In: 22.929 $\pm$ 0.062 χ^2 /NDF:902.3/18

Left: 23.113 $\pm$ 0.044 χ^2 /NDF: 2024.2/38
 Right: 13.131 $\pm$ 0.122 χ^2 /NDF: 14320.3/35
 In: 21.886 $\pm$ 0.058 χ^2 /NDF:10689.2/35
 Out: 22.052 $\pm$ 0.059 χ^2 /NDF:11533.3/38
 All: 21.969 $\pm$ 0.041 χ^2 /NDF: 22226.5/74

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.114 ± 0.003 χ^2/NDF : 216.1/19

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

Left In: -0.106 ± 0.003 χ^2/NDF : 299.4/18

Left: -0.110 ± 0.002 χ^2/NDF : 518.9/38

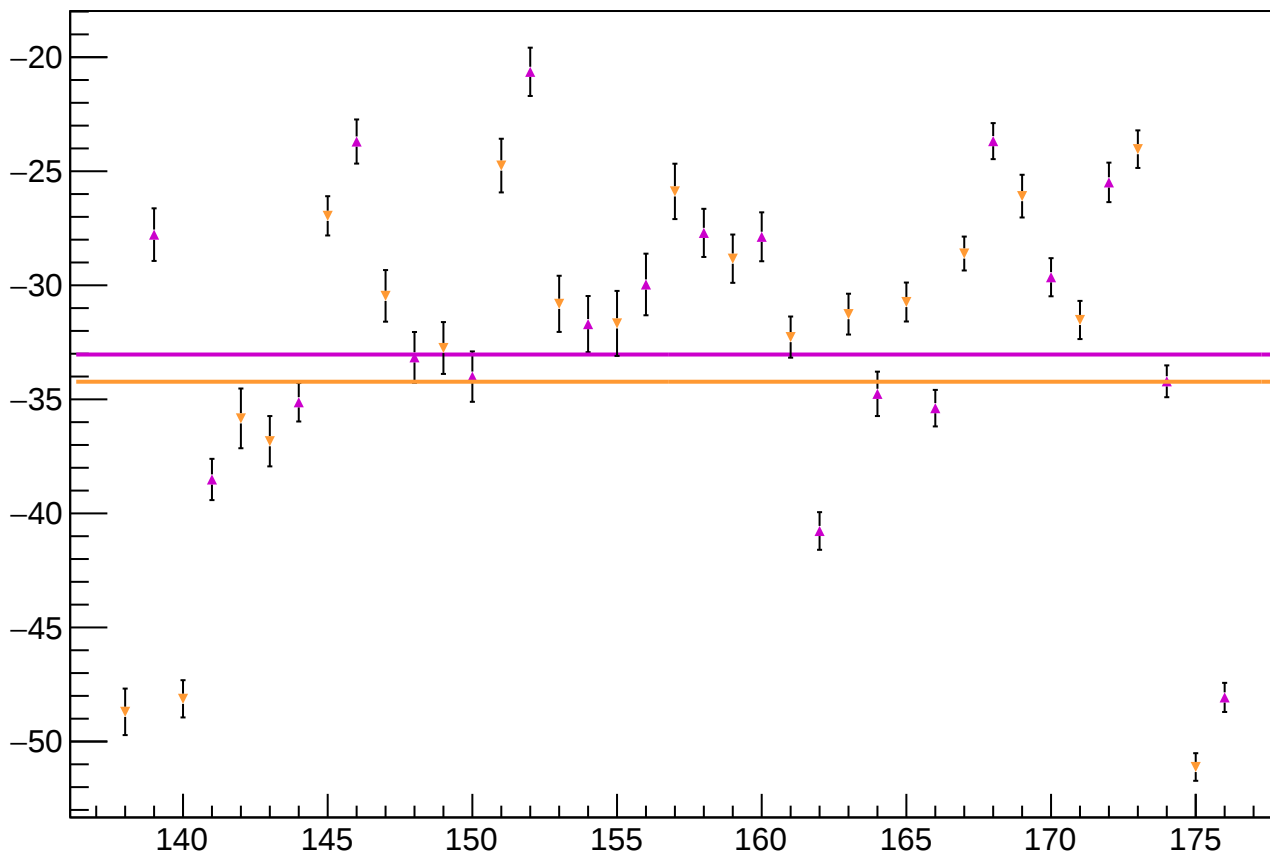
Right: 0.172 ± 0.007 χ^2/NDF : 3884.5/35

In: -0.081 ± 0.003 χ^2/NDF : 2154.2/35

Out: -0.091 ± 0.003 χ^2/NDF : 3919.0/38

All: -0.086 ± 0.002 χ^2/NDF : 6080.4/74

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



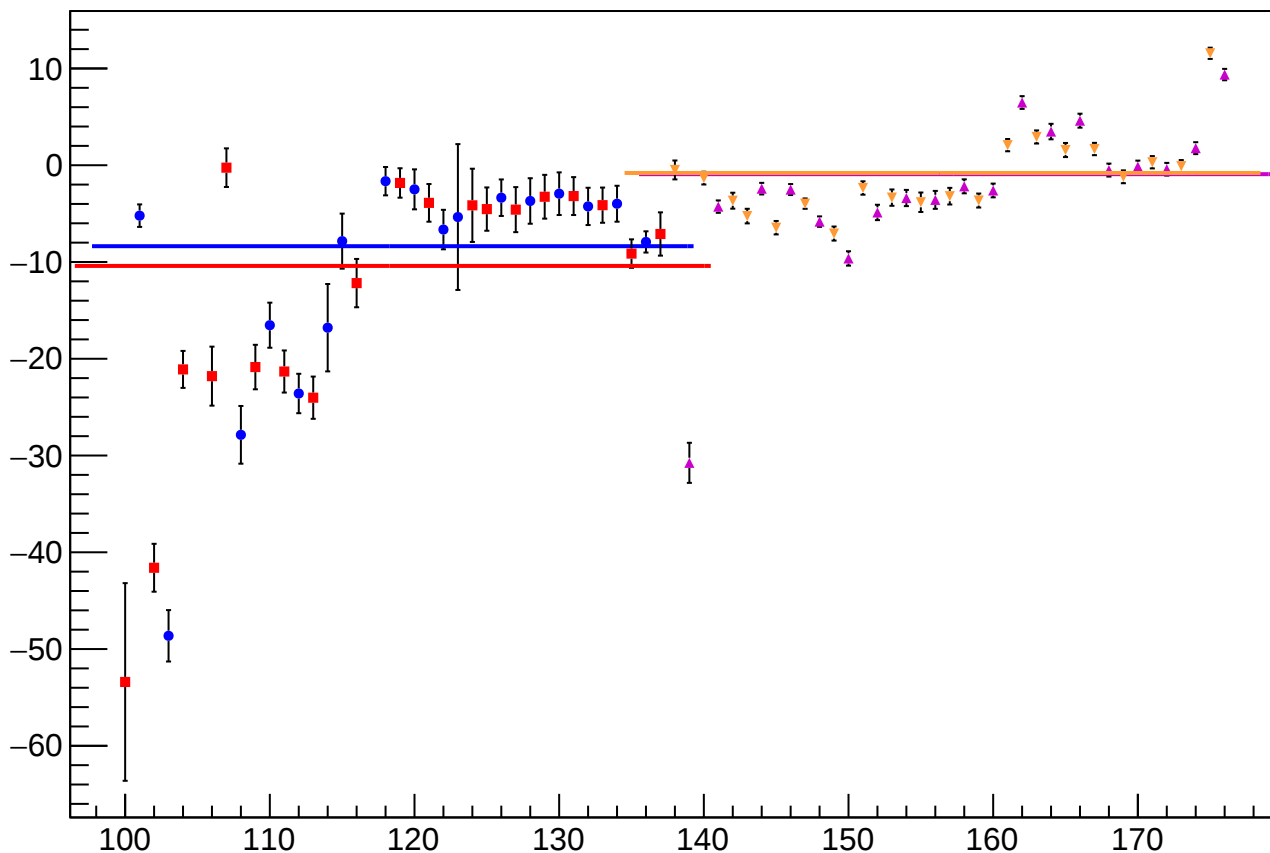
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -34.227 $\pm$ 0.210 χ^2/NDF :1839.5/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -33.035 $\pm$ 0.209 χ^2/NDF :1240.0/18

Left: -33.627 $\pm$ 0.148 χ^2/NDF : 3095.7/38
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -33.035 $\pm$ 0.209 χ^2/NDF :1240.0/18
 Out: -34.227 $\pm$ 0.210 χ^2/NDF :1839.5/19

All: -33.627 $\pm$ 0.148 χ^2/NDF : 3095.7/38

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -0.800 ± 0.156 $\chi^2/\text{NDF}: 802.9/19$

Right Out: -10.405 ± 0.491 $\chi^2/\text{NDF}: 430.3/18$

Left In: -0.924 ± 0.158 $\chi^2/\text{NDF}: 1061.2/18$

Left: -0.861 ± 0.111 $\chi^2/\text{NDF}: 1864.4/38$

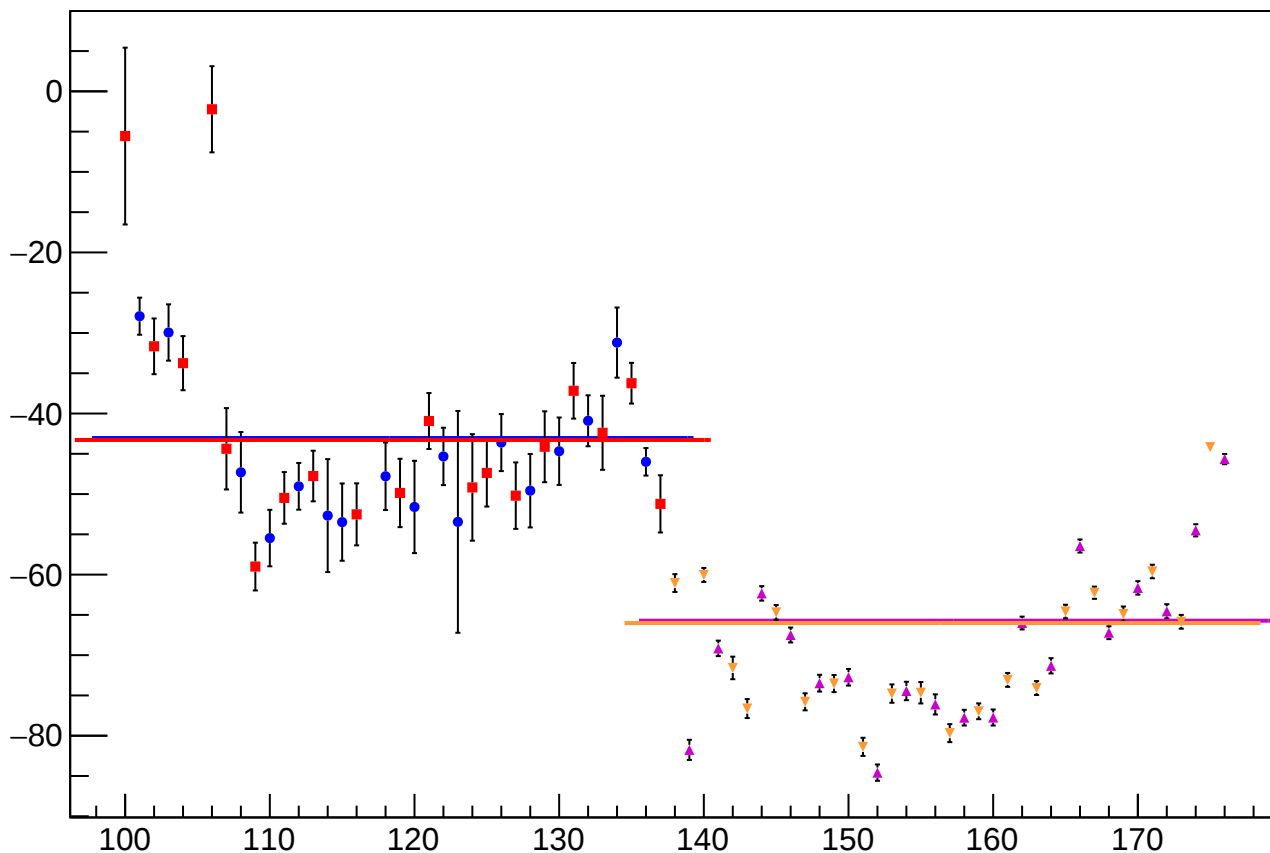
Right: -9.333 ± 0.338 $\chi^2/\text{NDF}: 848.2/35$

In: -1.688 ± 0.149 $\chi^2/\text{NDF}: 1698.9/35$

Out: -1.684 ± 0.149 $\chi^2/\text{NDF}: 1580.7/38$

All: -1.686 ± 0.105 $\chi^2/\text{NDF}: 3279.6/74$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

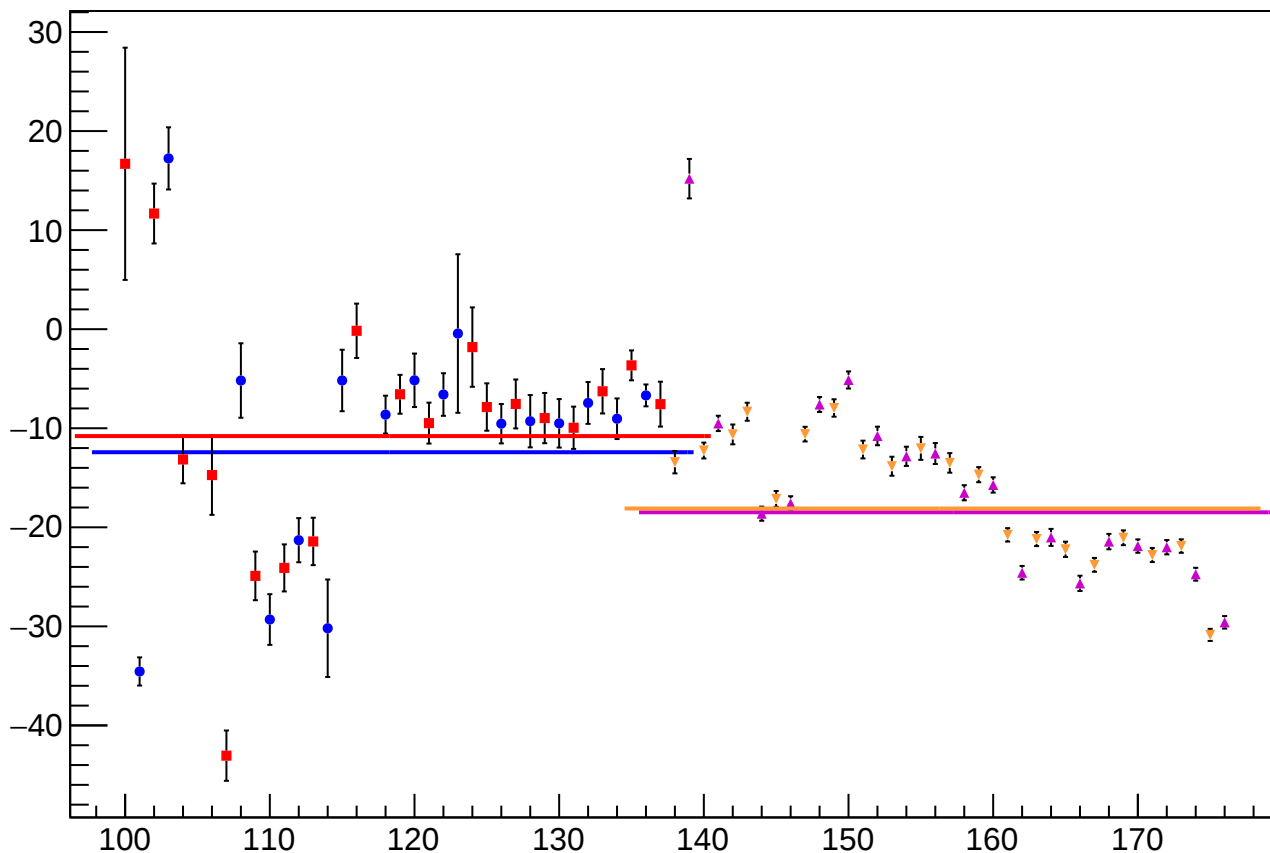


Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$
 Left Out: -66.016 ± 0.210 $\chi^2/\text{NDF}: 2405.6/19$
 Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$
 Left In: -65.720 ± 0.208 $\chi^2/\text{NDF}: 2490.3/18$

Left: -65.867 ± 0.148 $\chi^2/\text{NDF}: 4896.9/38$
 Right: -43.161 ± 0.602 $\chi^2/\text{NDF}: 253.4/35$
 In: -64.403 ± 0.202 $\chi^2/\text{NDF}: 3280.0/35$
 Out: -64.761 ± 0.204 $\chi^2/\text{NDF}: 3209.3/38$

All: -64.580 ± 0.143 $\chi^2/\text{NDF}: 6490.8/74$

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: -18.101 ± 0.178 χ^2/NDF : 1270.7/19

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

Left In: -18.486 ± 0.179 χ^2/NDF : 1659.7/18

Left: -18.292 ± 0.126 χ^2/NDF : 2932.7/38

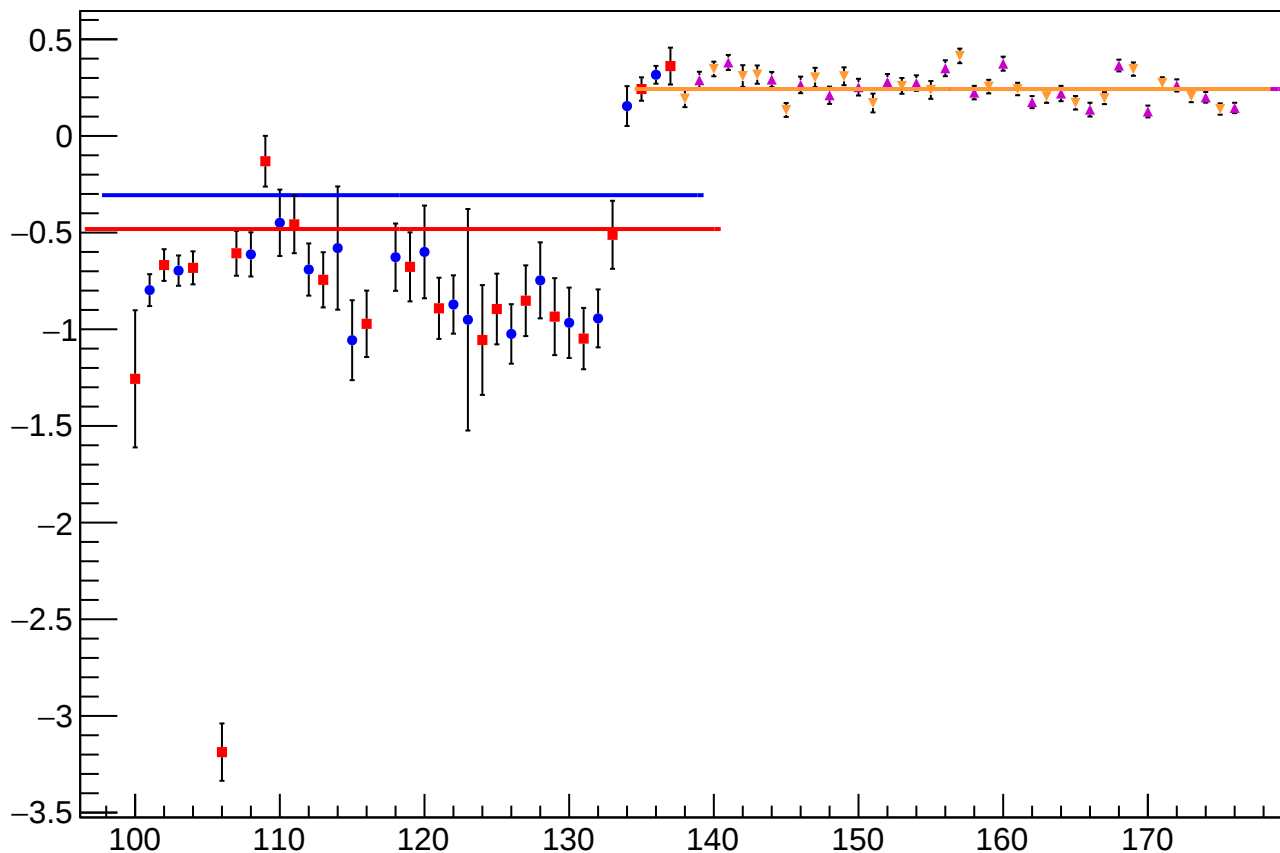
Right: -11.652 ± 0.380 χ^2/NDF : 844.7/35

In: -17.848 ± 0.170 χ^2/NDF : 2254.4/35

Out: -17.417 ± 0.169 χ^2/NDF : 1794.4/38

All: -17.632 ± 0.120 χ^2/NDF : 4052.1/74

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: 0.243 ± 0.008 χ^2/NDF : 80.0/19

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

Left In: 0.243 ± 0.008 χ^2/NDF : 97.9/18

Left: 0.243 ± 0.006 χ^2/NDF : 177.9/38

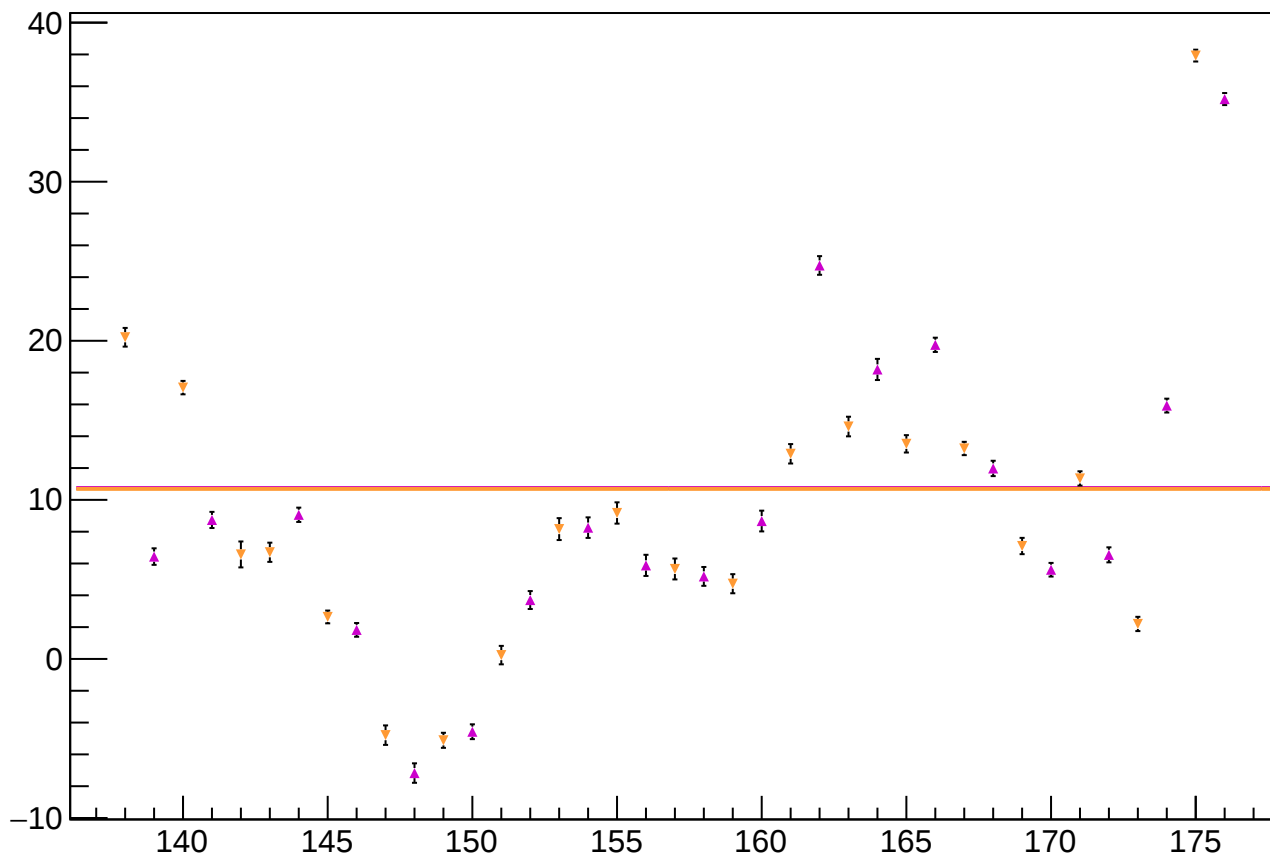
Right: -0.391 ± 0.020 χ^2/NDF : 1019.4/35

In: 0.199 ± 0.008 χ^2/NDF : 834.4/35

Out: 0.186 ± 0.008 χ^2/NDF : 1299.8/38

All: 0.193 ± 0.006 χ^2/NDF : 2135.4/74

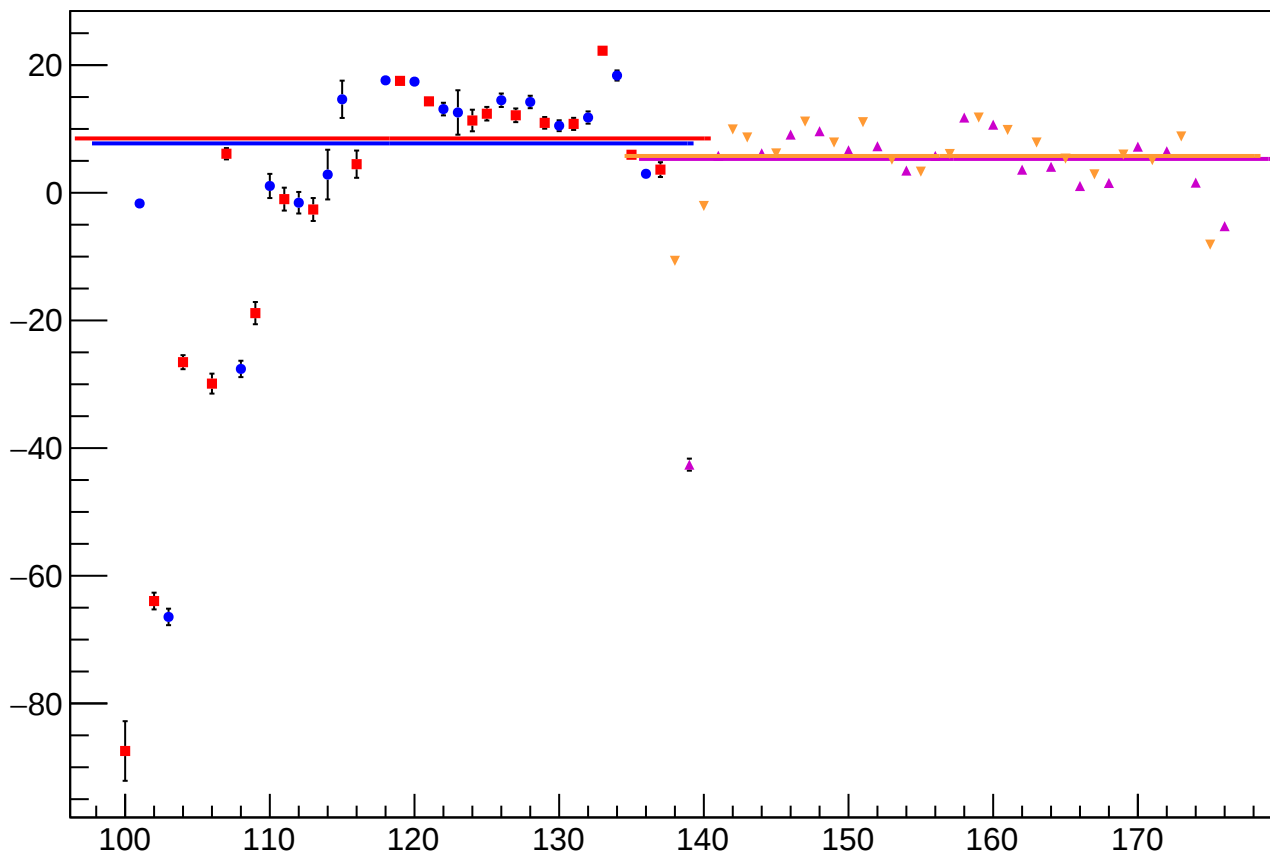
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 10.693 $\pm$ 0.116 χ^2 /NDF:9085.4/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 10.745 $\pm$ 0.116 χ^2 /NDF:8417.2/18

Left: 10.719 $\pm$ 0.082 χ^2 /NDF: 17502.7/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 10.745 $\pm$ 0.116 χ^2 /NDF:8417.2/18
 Out: 10.693 $\pm$ 0.116 χ^2 /NDF:9085.4/19
 All: 10.719 $\pm$ 0.082 χ^2 /NDF: 17502.7/38

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 $\pm$ 0.218 χ^2 /NDF: 5300.6/16

Left Out: 5.768 $\pm$ 0.086 χ^2 /NDF: 3999.0/19

Right Out: 8.514 $\pm$ 0.213 χ^2 /NDF: 6719.4/18

Left In: 5.305 $\pm$ 0.087 χ^2 /NDF: 4677.0/18

Left: 5.539 $\pm$ 0.061 χ^2 /NDF: 8690.2/38

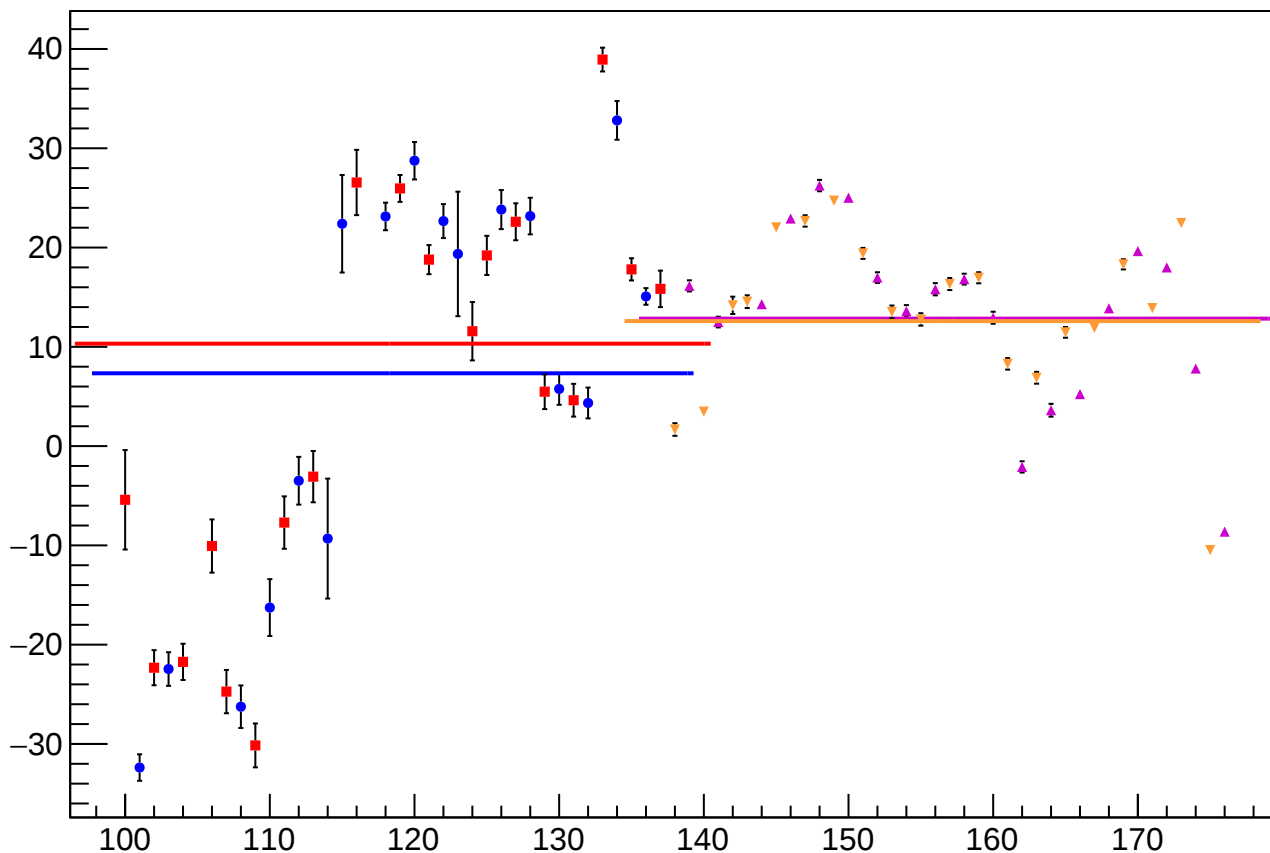
Right: 8.134 $\pm$ 0.152 χ^2 /NDF: 12026.5/35

In: 5.641 $\pm$ 0.081 χ^2 /NDF: 10084.8/35

Out: 6.154 $\pm$ 0.080 χ^2 /NDF: 10860.9/38

All: 5.901 $\pm$ 0.057 χ^2 /NDF: 20966.0/74

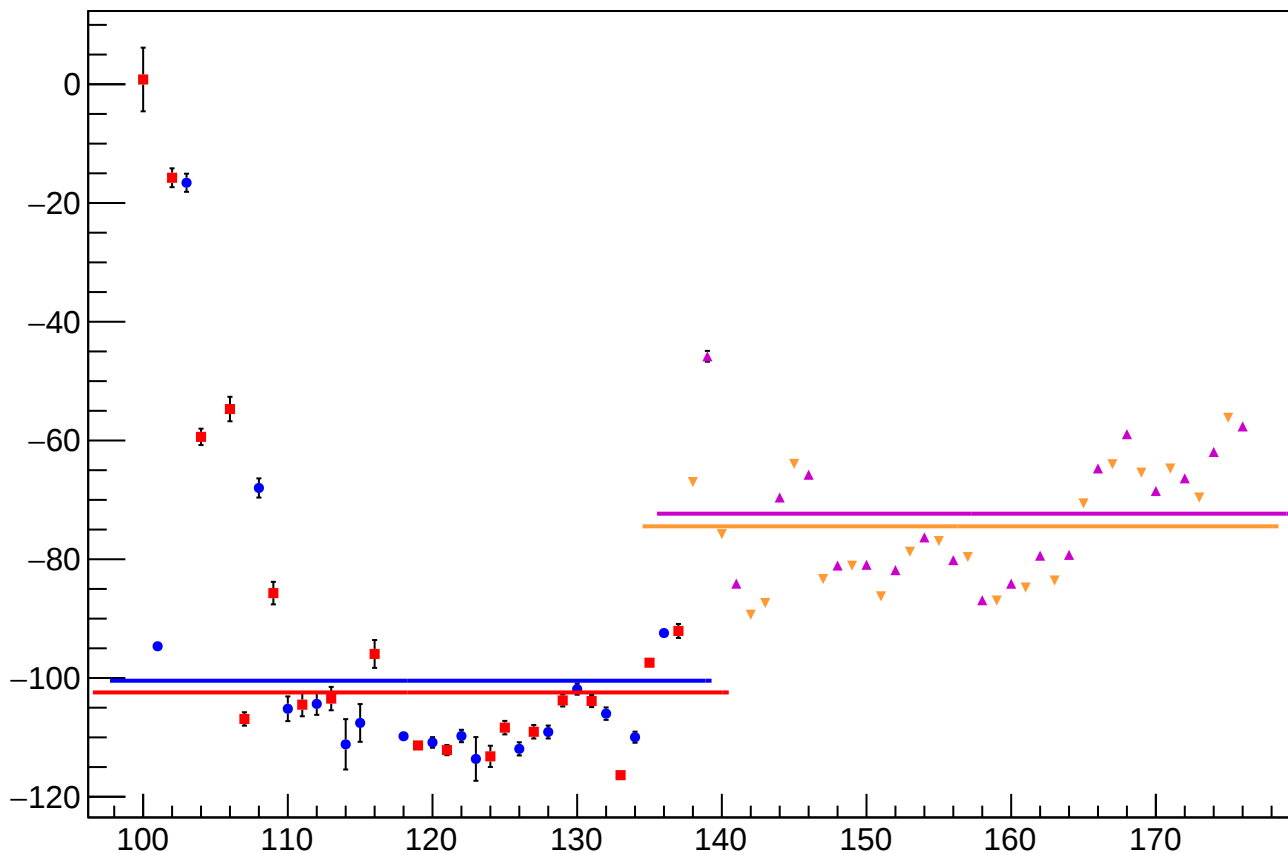
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16
 Left Out: 12.591 ± 0.116 χ^2/NDF : 7095.9/19
 Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18
 Left In: 12.839 ± 0.115 χ^2/NDF : 7032.8/18

Left: 12.717 ± 0.082 χ^2/NDF : 14131.1/38
 Right: 8.831 ± 0.295 χ^2/NDF : 4600.2/35
 In: 12.453 ± 0.111 χ^2/NDF : 9486.8/35
 Out: 12.428 ± 0.112 χ^2/NDF : 9405.1/38
 All: 12.440 ± 0.079 χ^2/NDF : 18891.9/74

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457 ± 0.251 $\chi^2/\text{NDF}: 4461.1/16$

Left Out: -74.454 ± 0.099 $\chi^2/\text{NDF}: 9963.4/19$

Right Out: -102.431 ± 0.246 $\chi^2/\text{NDF}: 6094.3/18$

Left In: -72.325 ± 0.100 $\chi^2/\text{NDF}: 9351.6/18$

Left: -73.398 ± 0.070 $\chi^2/\text{NDF}: 19545.0/38$

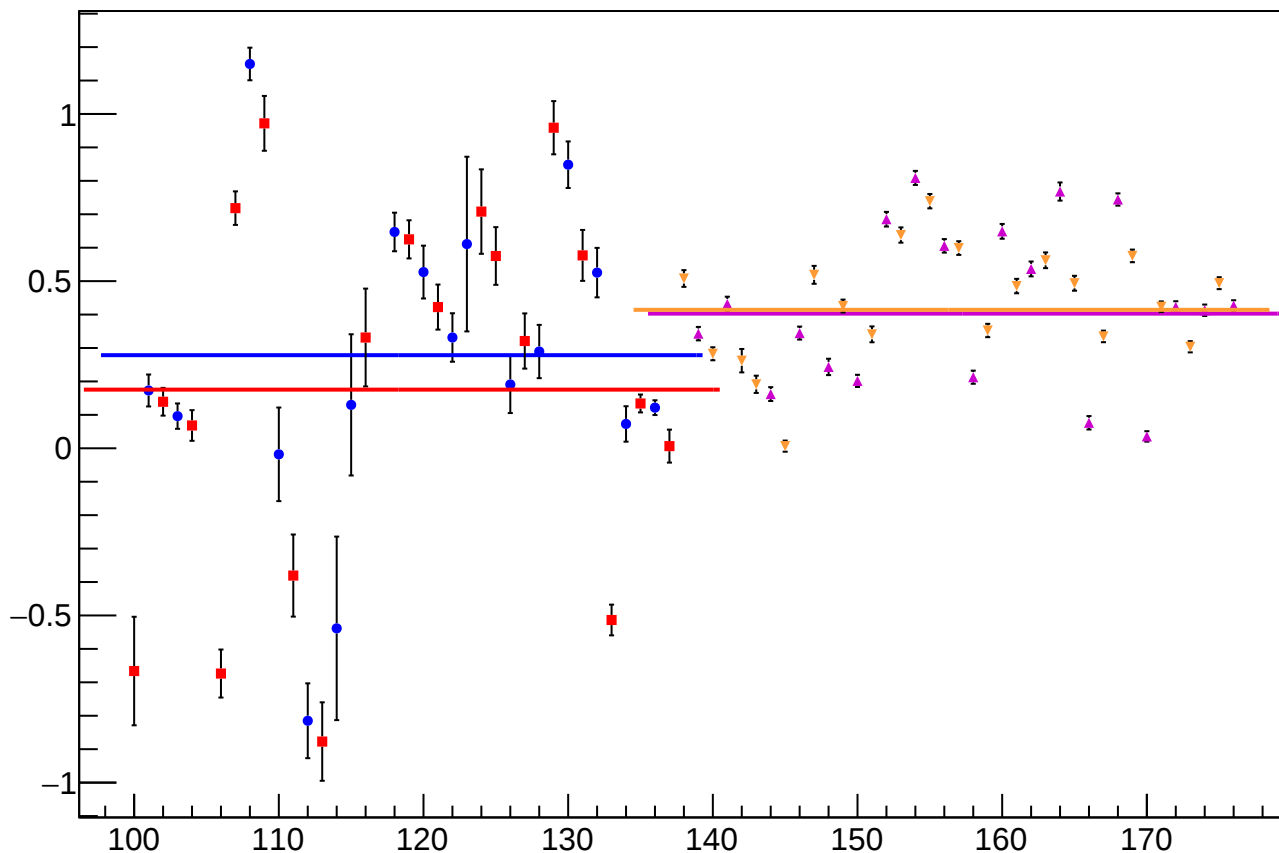
Right: -101.462 ± 0.176 $\chi^2/\text{NDF}: 10586.9/35$

In: -76.161 ± 0.093 $\chi^2/\text{NDF}: 24683.8/35$

Out: -78.336 ± 0.092 $\chi^2/\text{NDF}: 27173.8/38$

All: -77.258 ± 0.065 $\chi^2/\text{NDF}: 52136.2/74$

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: 0.414 $\pm$ 0.005 χ^2 /NDF:1411.7/19

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

Left In: 0.403 $\pm$ 0.005 χ^2 /NDF:2554.6/18

Left: 0.408 $\pm$ 0.003 χ^2 /NDF: 3969.5/38

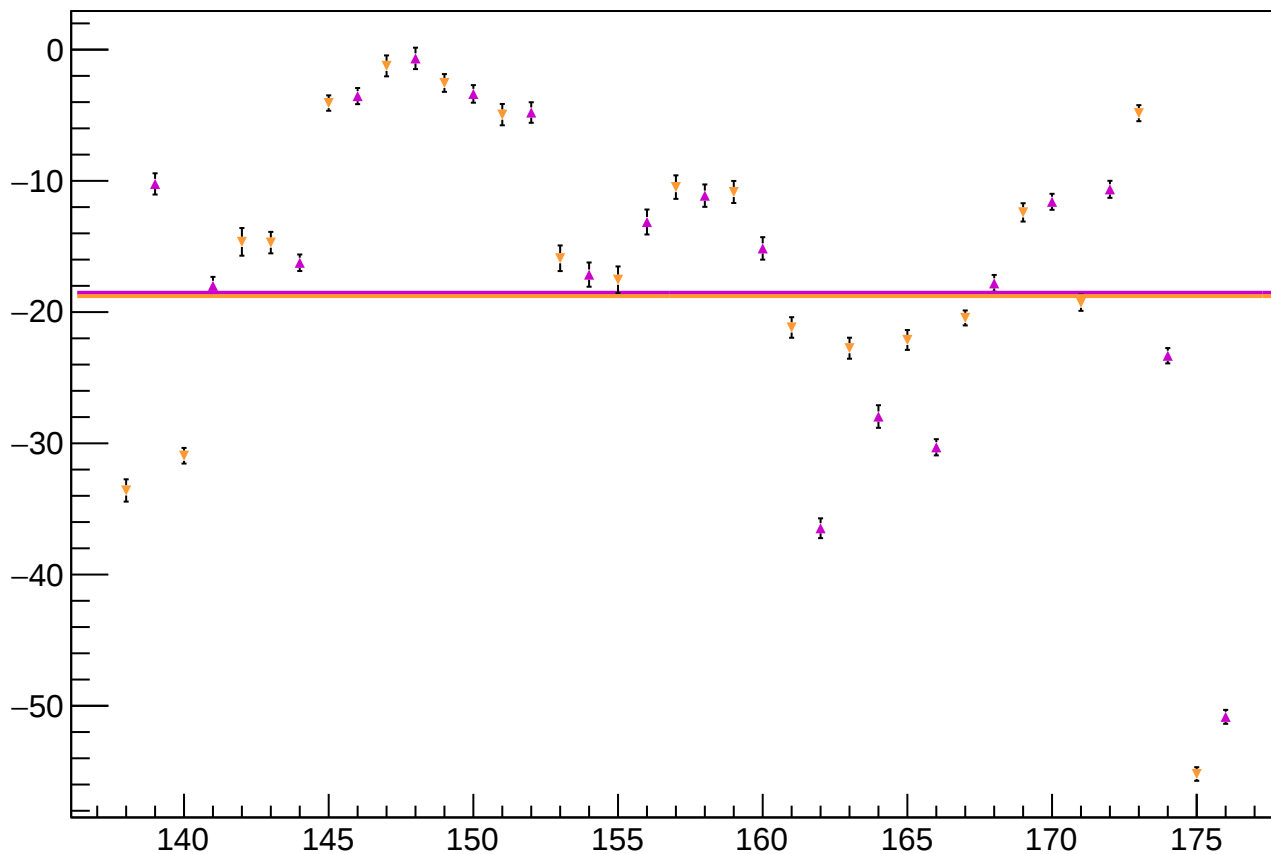
Right: 0.227 $\pm$ 0.010 χ^2 /NDF: 1650.8/35

In: 0.390 $\pm$ 0.004 χ^2 /NDF:3284.6/35

Out: 0.389 $\pm$ 0.004 χ^2 /NDF:2660.6/38

All: 0.390 $\pm$ 0.003 χ^2 /NDF: 5945.2/74

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: -18.780+/-0.161 χ^2/NDF : 8528.5/19

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

Left In: -18.529+/-0.160 χ^2/NDF : 7232.6/18

Left: -18.654+/-0.114 χ^2/NDF : 15762.3/38

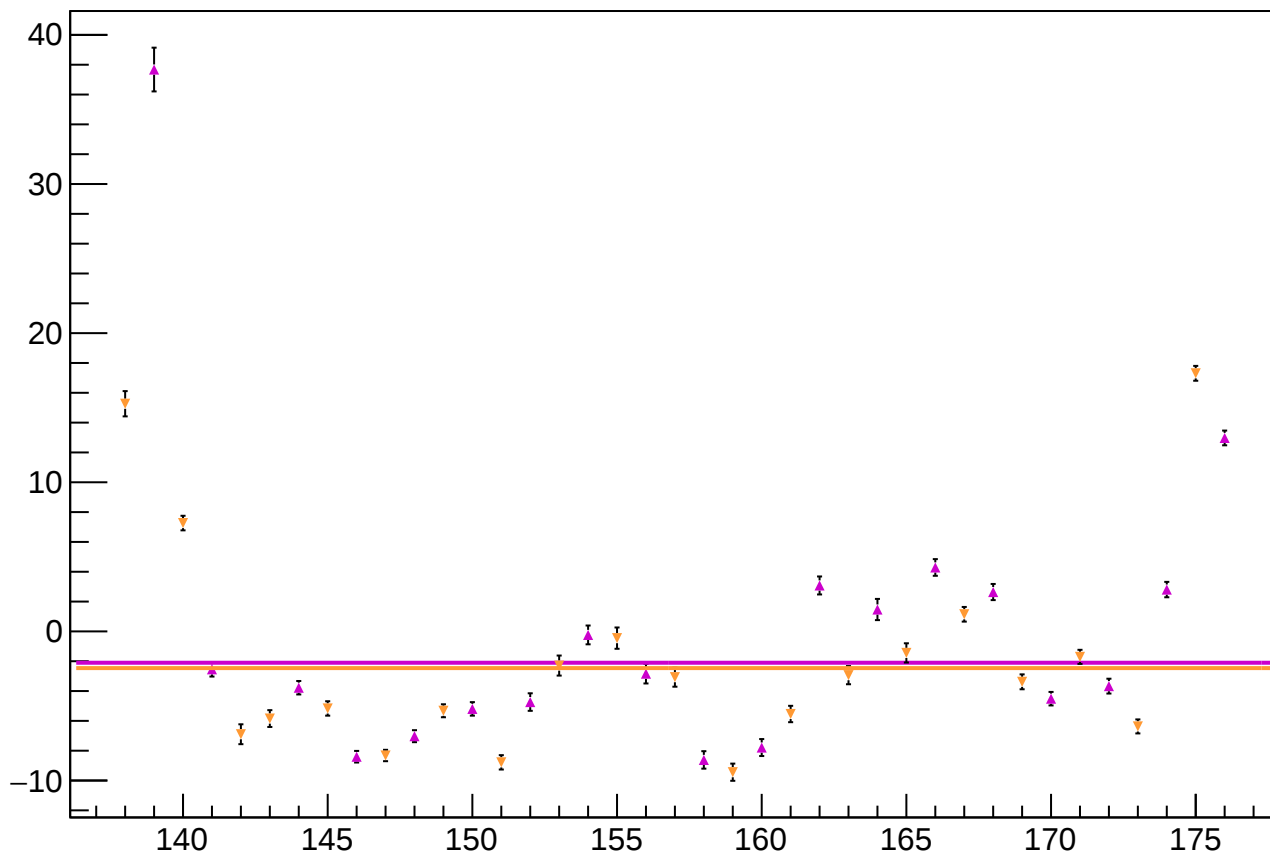
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.529+/-0.160 χ^2/NDF : 7232.6/18

Out: -18.780+/-0.161 χ^2/NDF : 8528.5/19

All: -18.654+/-0.114 χ^2/NDF : 15762.3/38

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: -2.461+/-0.119 χ^2/NDF : 3291.9/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.102+/-0.120 χ^2/NDF : 2827.9/18

Left: -2.284+/-0.084 χ^2/NDF : 6124.4/38

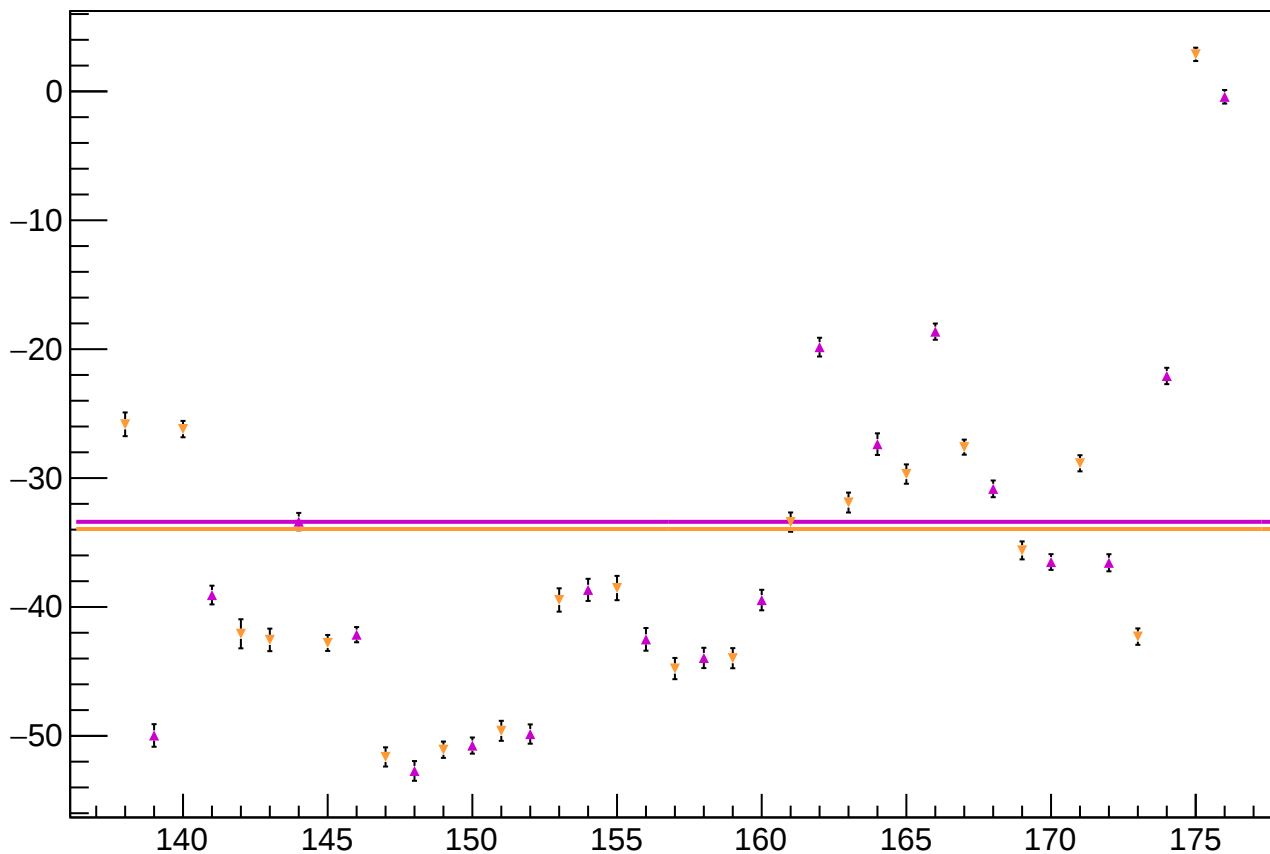
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.102+/-0.120 χ^2/NDF : 2827.9/18

Out: -2.461+/-0.119 χ^2/NDF : 3291.9/19

All: -2.284+/-0.084 χ^2/NDF : 6124.4/38

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: -33.951+/-0.161 χ^2/NDF :8129.3/19

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

Left In: -33.394+/-0.159 χ^2/NDF :8176.7/18

Left: -33.670+/-0.113 χ^2/NDF : 16312.0/38

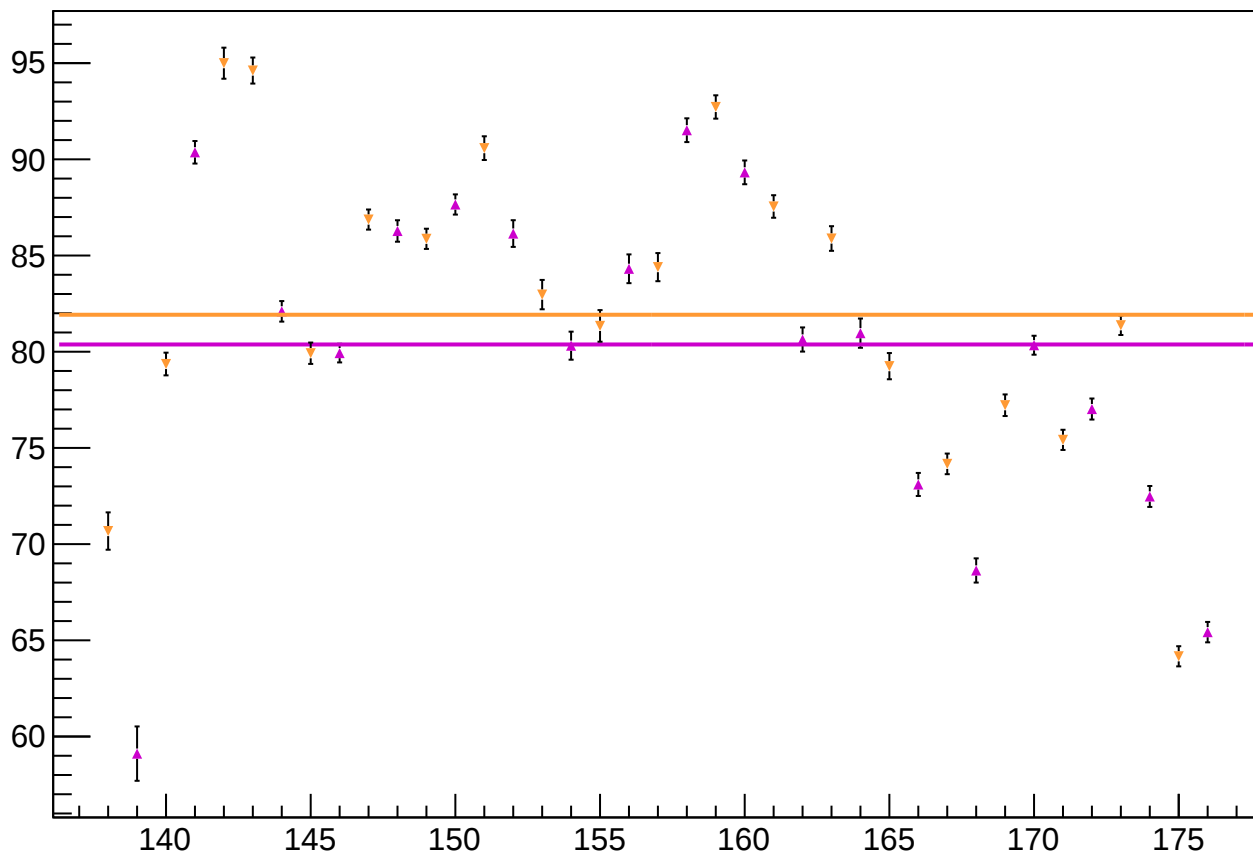
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -33.394+/-0.159 χ^2/NDF :8176.7/18

Out: -33.951+/-0.161 χ^2/NDF :8129.3/19

All: -33.670+/-0.113 χ^2/NDF : 16312.0/38

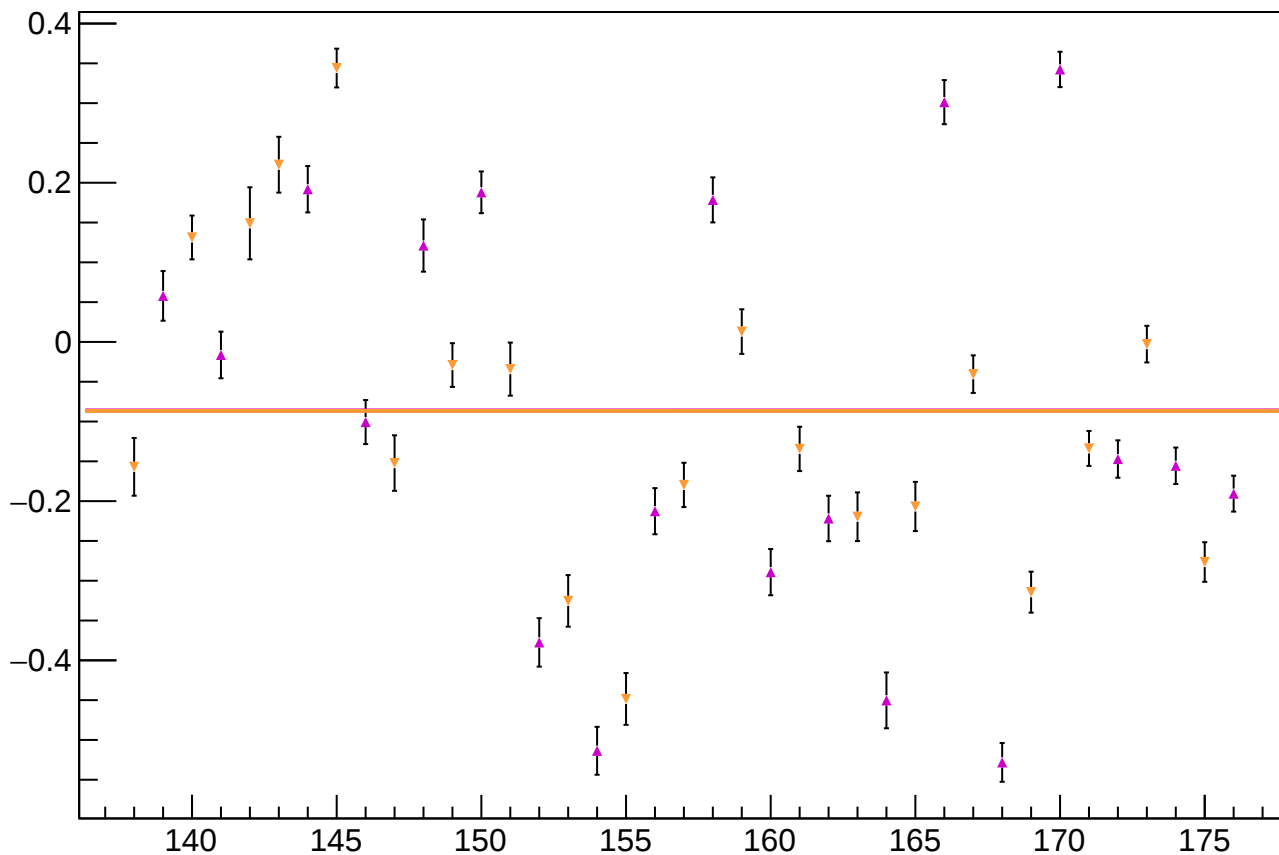
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 81.922+/-0.136 χ^2/NDF :3182.5/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 80.377+/-0.137 χ^2/NDF :3003.7/18

Left: 81.156+/-0.097 χ^2/NDF : 6250.0/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 80.377+/-0.137 χ^2/NDF :3003.7/18
 Out: 81.922+/-0.136 χ^2/NDF :3182.5/19
 All: 81.156+/-0.097 χ^2/NDF : 6250.0/38

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



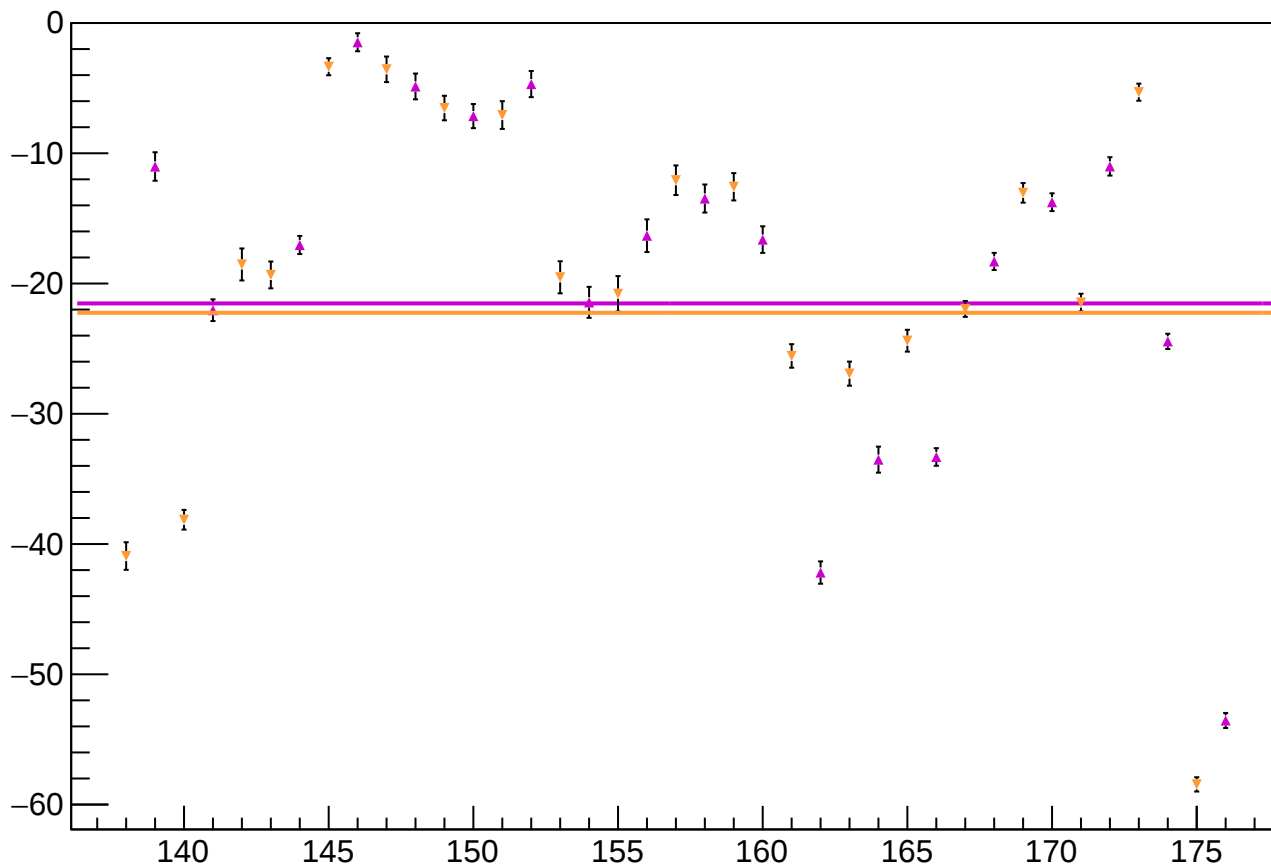
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.087+/-0.006 χ^2/NDF :891.9/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.086+/-0.006 χ^2/NDF :1780.6/18

Left: -0.086+/-0.004 χ^2/NDF : 2672.5/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.086+/-0.006 χ^2/NDF :1780.6/18
 Out: -0.087+/-0.006 χ^2/NDF :891.9/19

All: -0.086+/-0.004 χ^2/NDF : 2672.5/38

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: -22.246+/-0.187 χ^2/NDF : 7828.0/19

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

Left In: -21.528+/-0.184 χ^2/NDF : 6366.0/18

Left: -21.880+/-0.131 χ^2/NDF : 14201.5/38

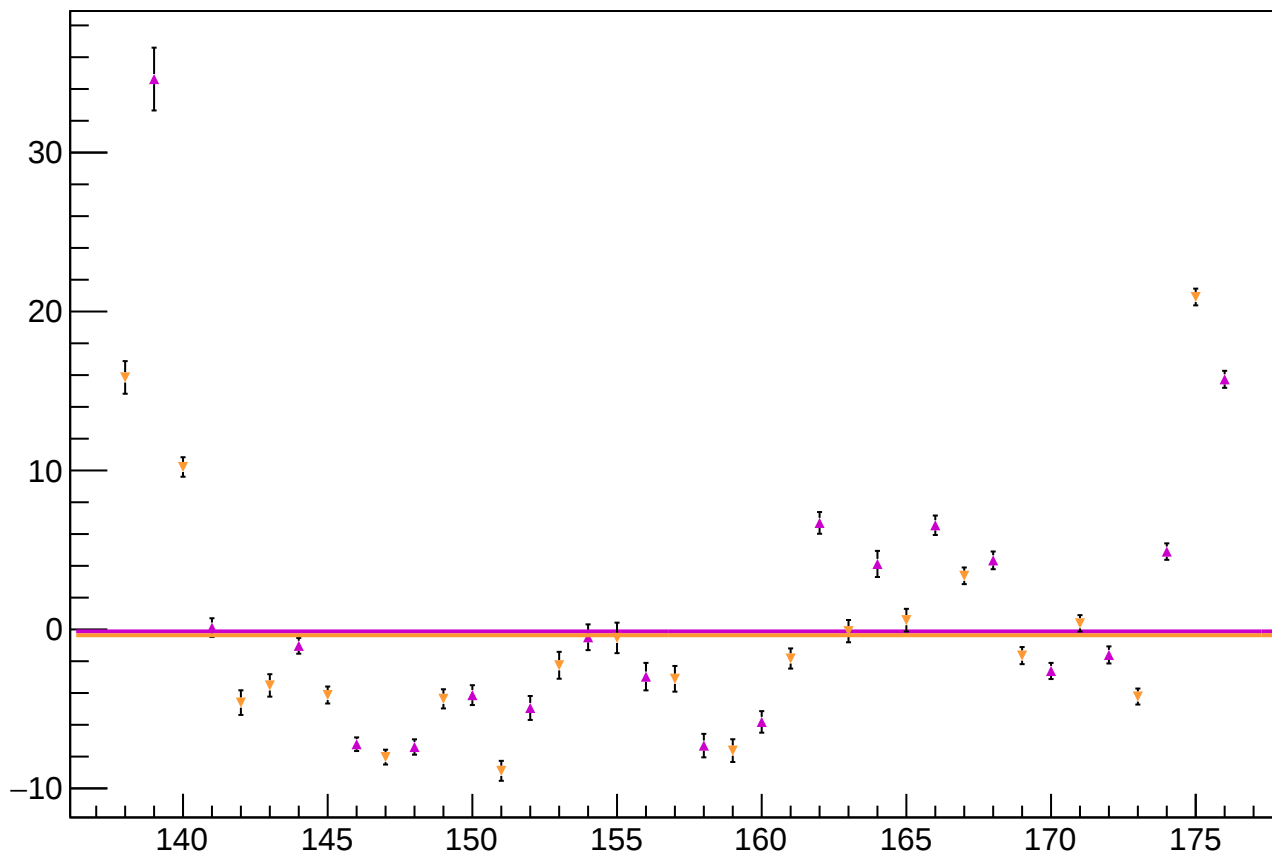
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.528+/-0.184 χ^2/NDF : 6366.0/18

Out: -22.246+/-0.187 χ^2/NDF : 7828.0/19

All: -21.880+/-0.131 χ^2/NDF : 14201.5/38

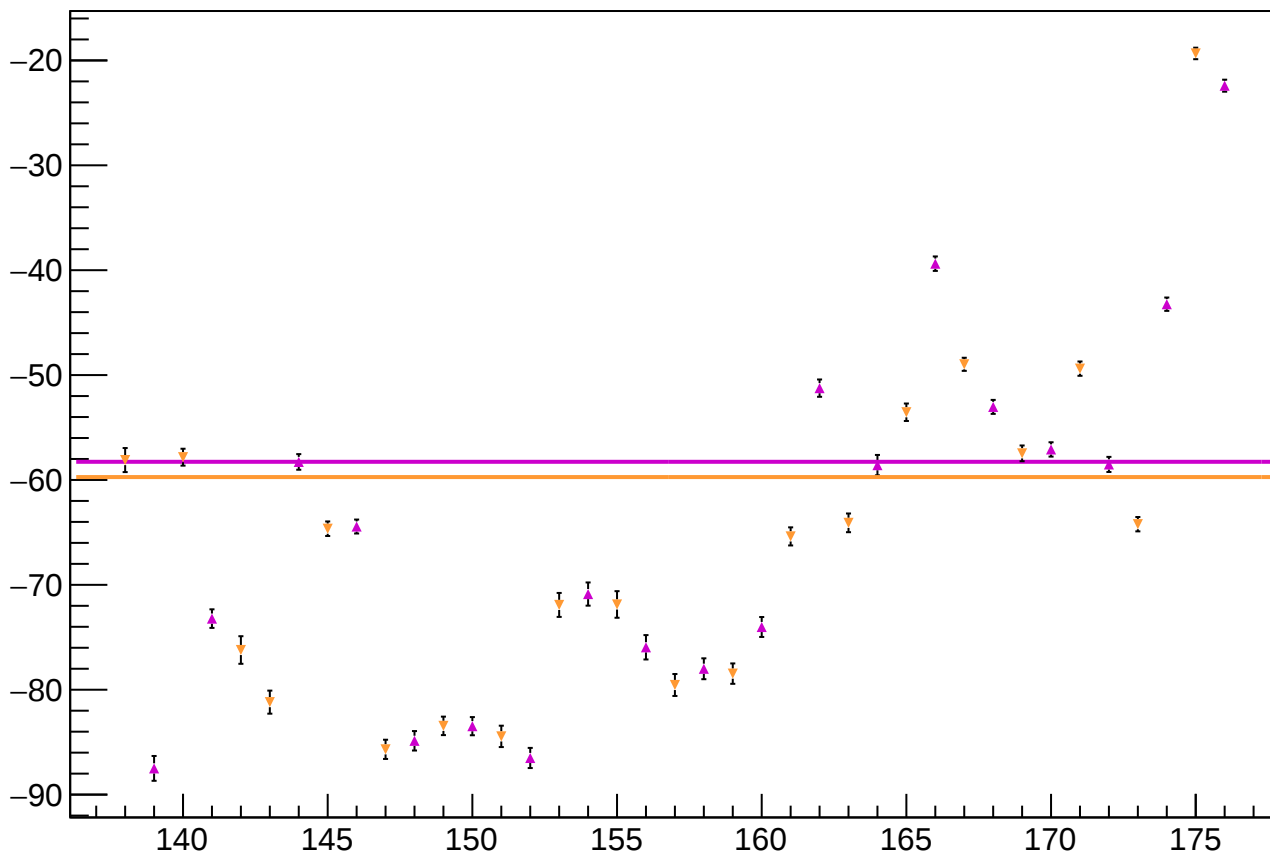
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.366+/-0.139 χ^2/NDF : 3021.2/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.126+/-0.138 χ^2/NDF : 2386.2/18

Left: -0.246+/-0.098 χ^2/NDF : 5408.9/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.126+/-0.138 χ^2/NDF : 2386.2/18
 Out: -0.366+/-0.139 χ^2/NDF : 3021.2/19
 All: -0.246+/-0.098 χ^2/NDF : 5408.9/38

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -59.725+/-0.187 χ^2/NDF :9742.0/19

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

Left In: -58.268+/-0.183 χ^2/NDF :9906.8/18

Left: -58.981+/-0.131 χ^2/NDF : 19679.8/38

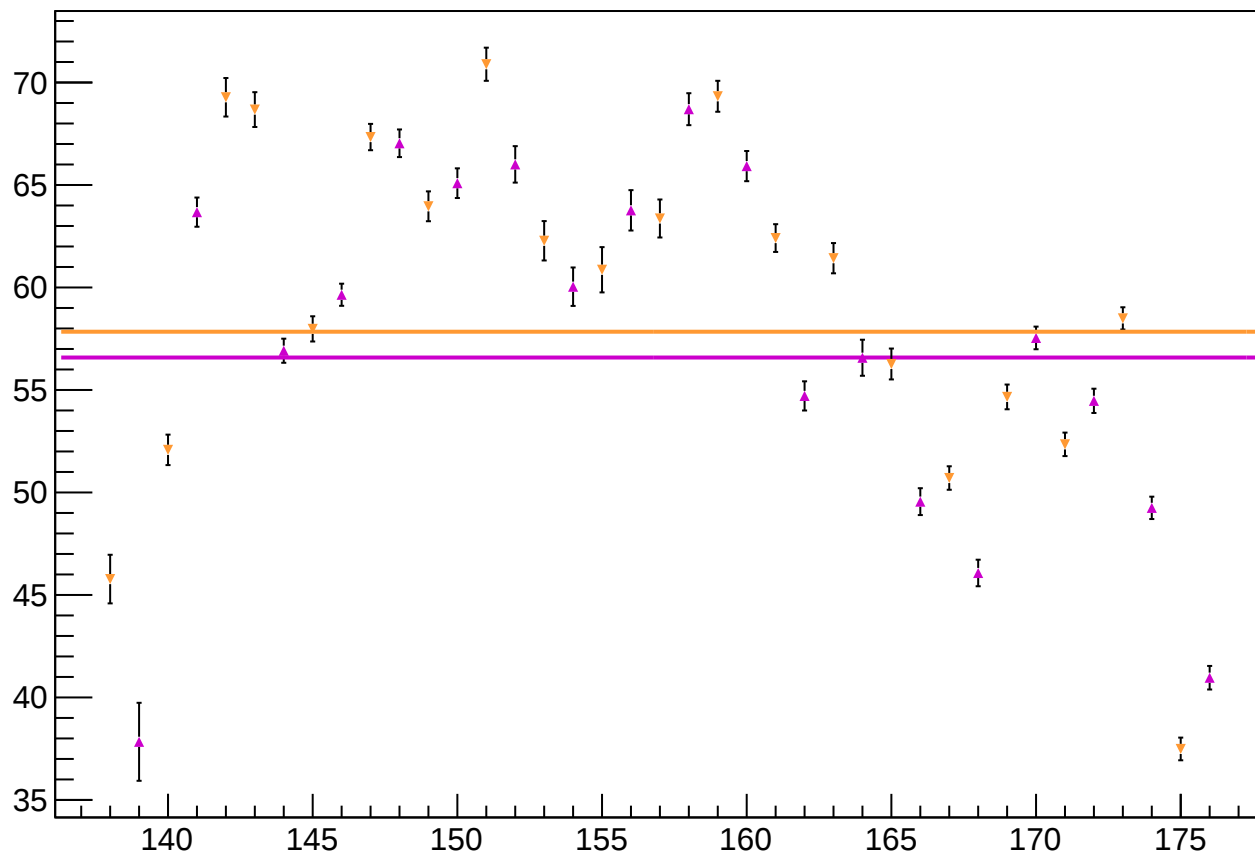
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -58.268+/-0.183 χ^2/NDF :9906.8/18

Out: -59.725+/-0.187 χ^2/NDF :9742.0/19

All: -58.981+/-0.131 χ^2/NDF : 19679.8/38

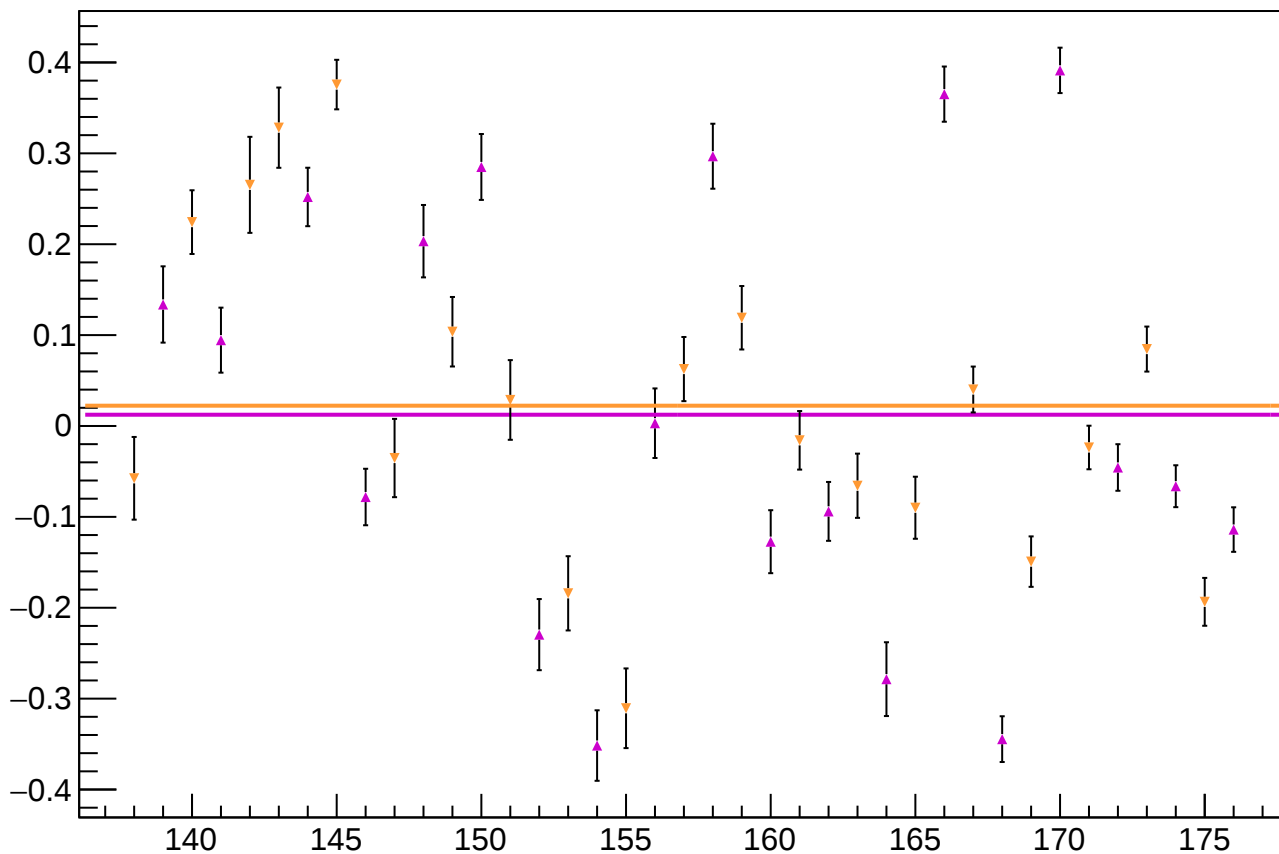
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 57.842+/-0.159 χ^2/NDF :3023.1/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 56.583+/-0.158 χ^2/NDF :2508.8/18

Left: 57.209+/-0.112 χ^2/NDF : 5563.6/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 56.583+/-0.158 χ^2/NDF :2508.8/18
 Out: 57.842+/-0.159 χ^2/NDF :3023.1/19
 All: 57.209+/-0.112 χ^2/NDF : 5563.6/38

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: 0.022 $\pm$ 0.007 χ^2 /NDF:506.4/19

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

Left In: 0.012 $\pm$ 0.007 χ^2 /NDF:1034.5/18

Left: 0.017 $\pm$ 0.005 χ^2 /NDF: 1541.8/38

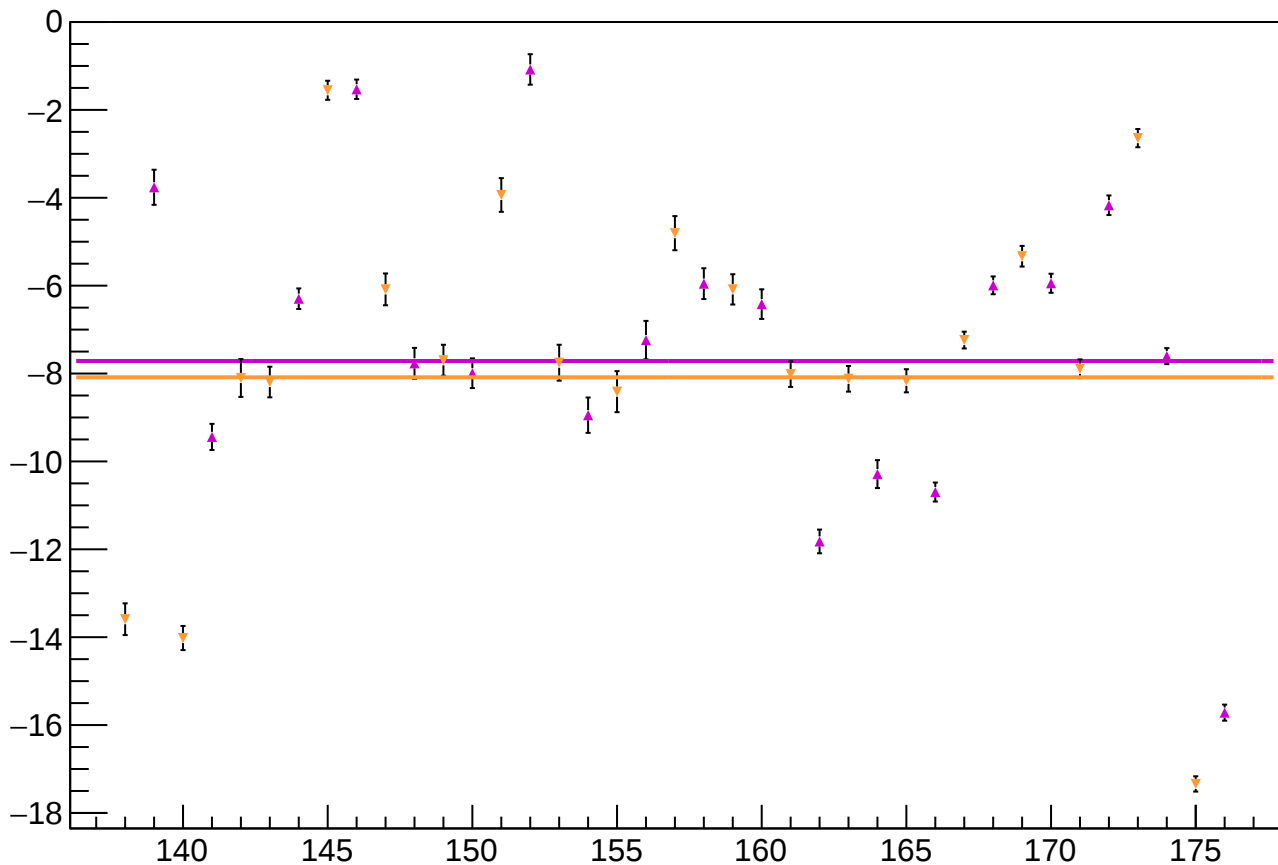
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.012 $\pm$ 0.007 χ^2 /NDF:1034.5/18

Out: 0.022 $\pm$ 0.007 χ^2 /NDF:506.4/19

All: 0.017 $\pm$ 0.005 χ^2 /NDF: 1541.8/38

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: -8.086+/-0.061 χ^2/NDF :5534.9/19

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

Left In: -7.715+/-0.060 χ^2/NDF :4162.7/18

Left: -7.895+/-0.043 χ^2/NDF : 9716.3/38

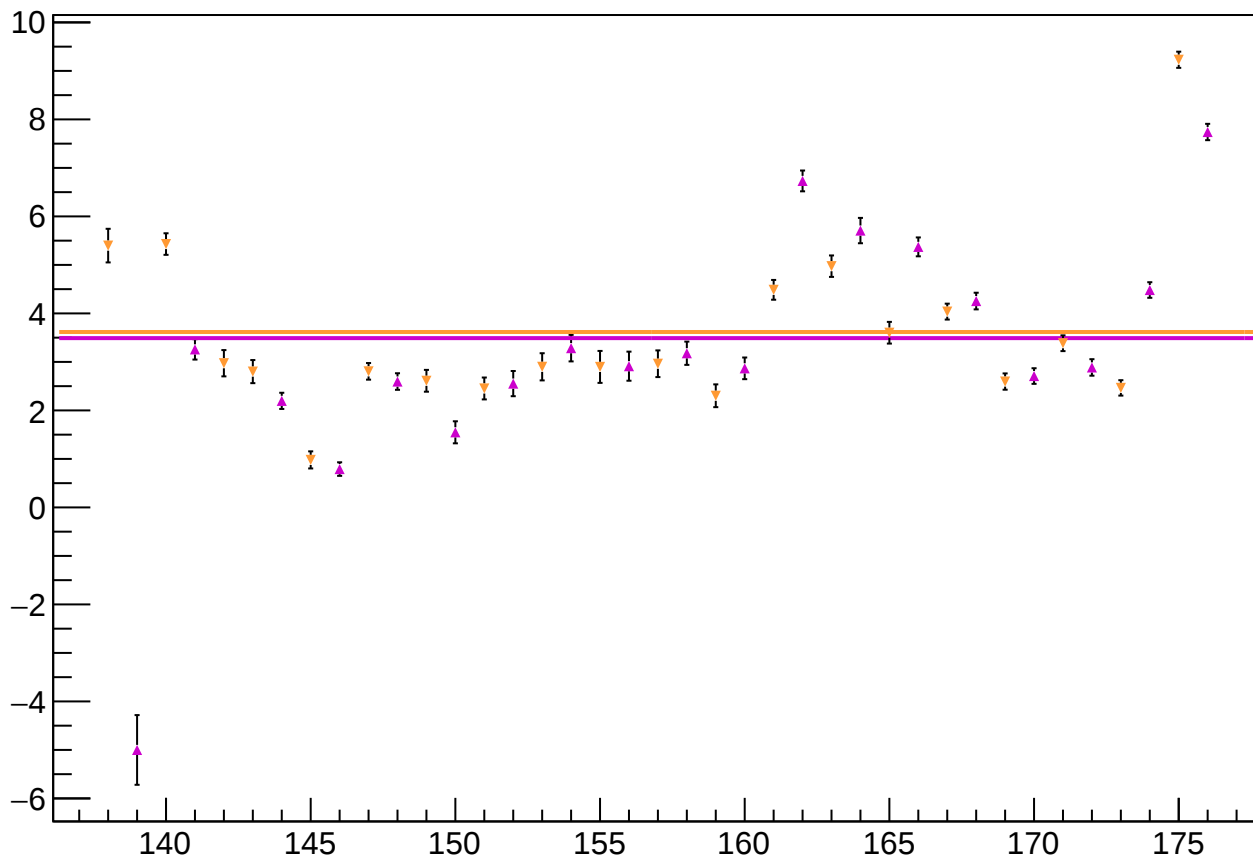
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -7.715+/-0.060 χ^2/NDF :4162.7/18

Out: -8.086+/-0.061 χ^2/NDF :5534.9/19

All: -7.895+/-0.043 χ^2/NDF : 9716.3/38

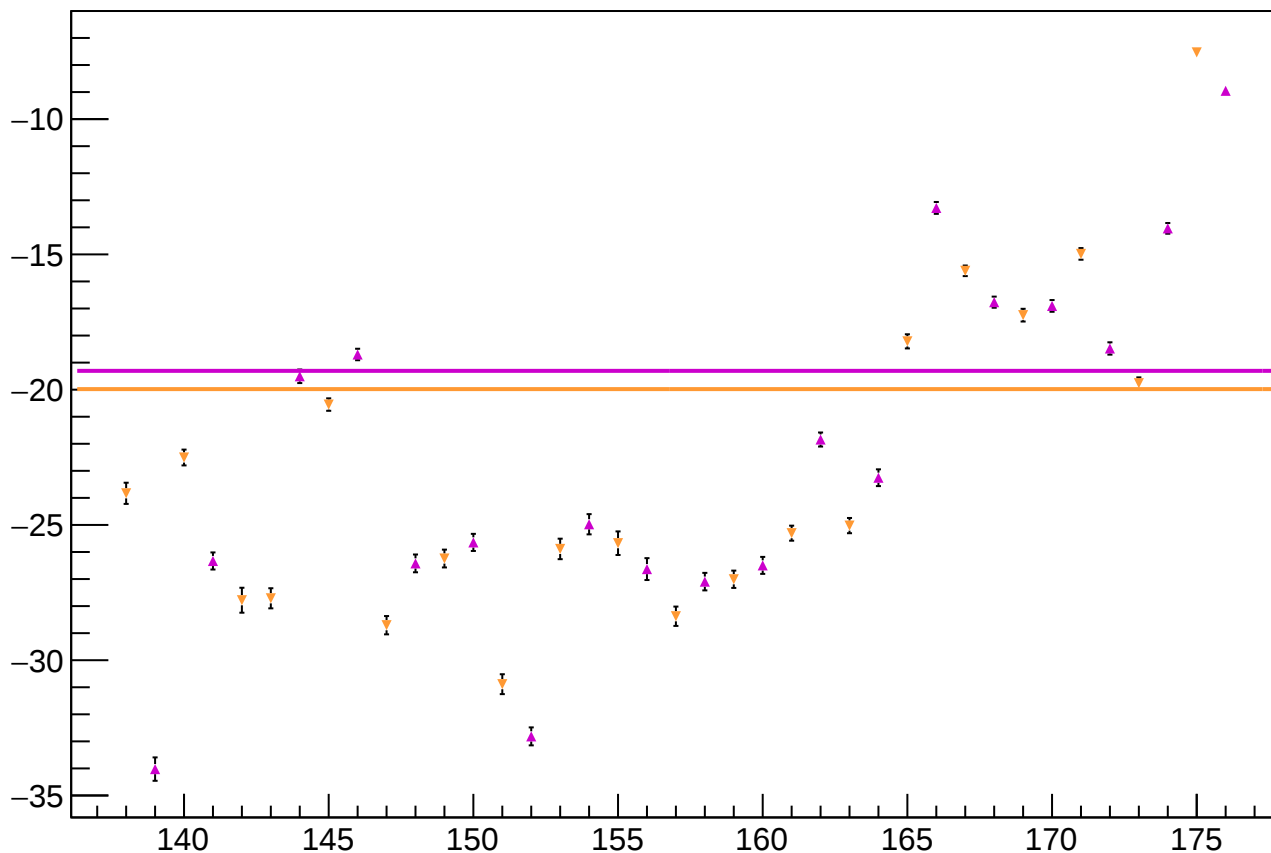
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.617+/-0.046 χ^2/NDF :1738.3/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.490+/-0.045 χ^2/NDF :1827.2/18

Left: 3.552+/-0.032 χ^2/NDF : 3569.3/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.490+/-0.045 χ^2/NDF :1827.2/18
 Out: 3.617+/-0.046 χ^2/NDF :1738.3/19
 All: 3.552+/-0.032 χ^2/NDF : 3569.3/38

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: -19.979+/-0.061 χ^2/NDF :11252.7/19

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

Left In: -19.304+/-0.060 χ^2/NDF :11124.9/18

Left: -19.632+/-0.043 χ^2/NDF : 22439.6/38

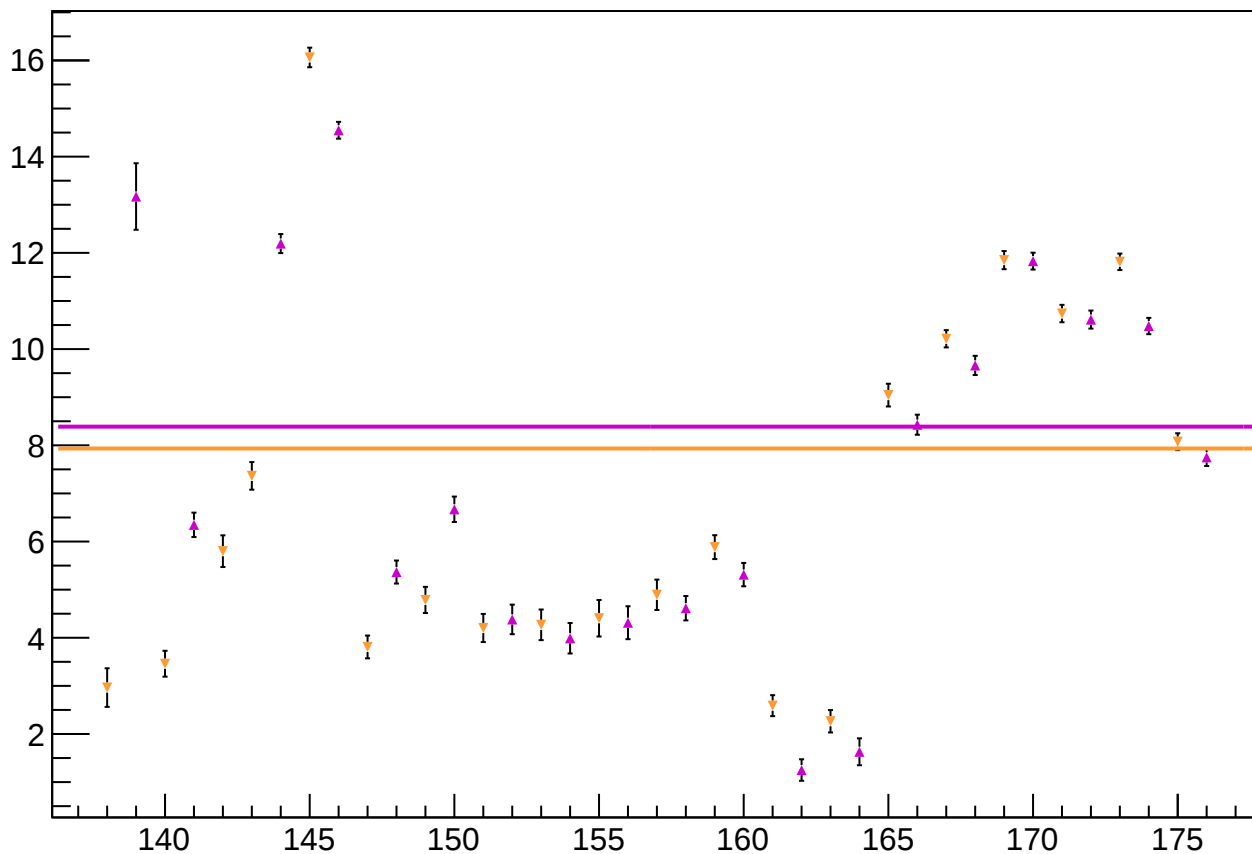
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.304+/-0.060 χ^2/NDF :11124.9/18

Out: -19.979+/-0.061 χ^2/NDF :11252.7/19

All: -19.632+/-0.043 χ^2/NDF : 22439.6/38

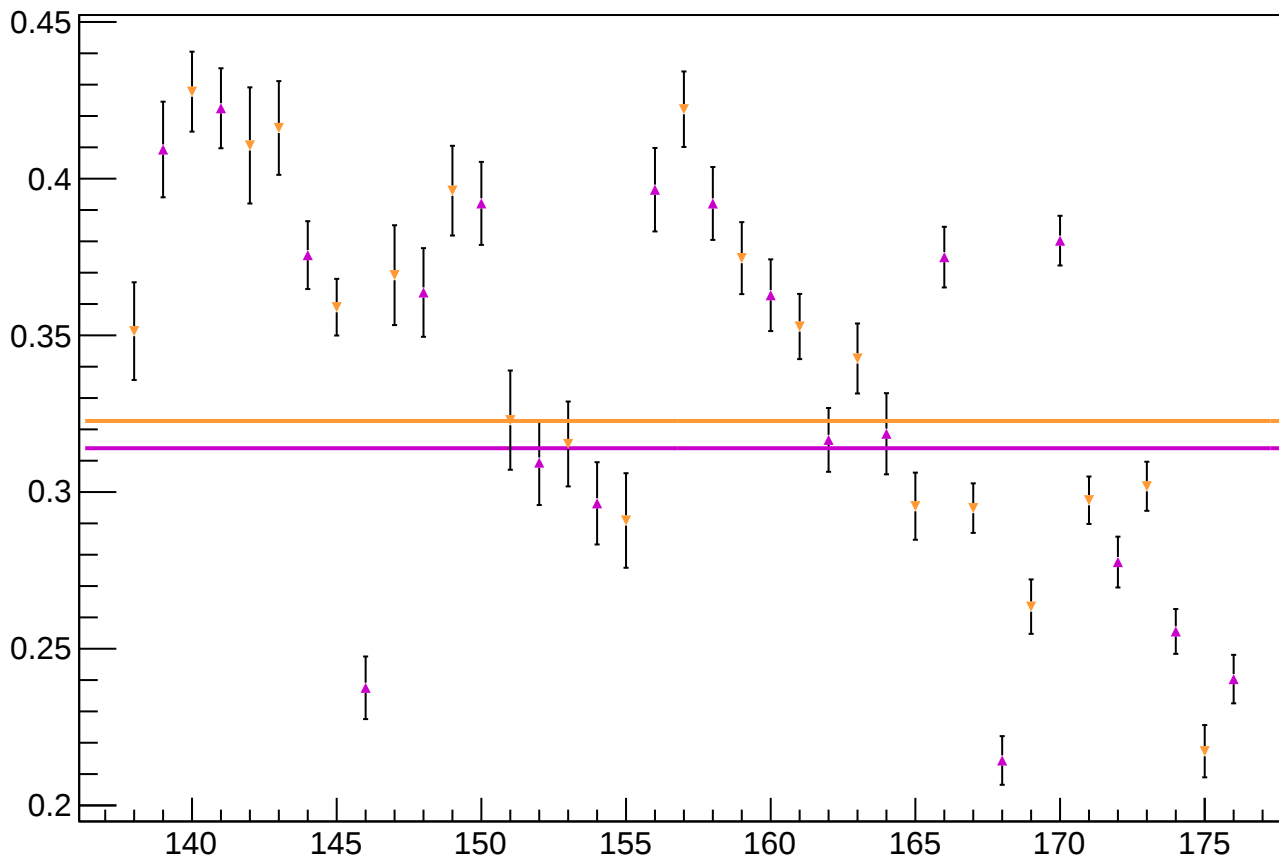
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.933+/-0.052 χ^2/NDF :5622.3/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.388+/-0.052 χ^2/NDF :5148.8/18

Left: 8.164+/-0.037 χ^2/NDF : 10809.5/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.388+/-0.052 χ^2/NDF :5148.8/18
 Out: 7.933+/-0.052 χ^2/NDF :5622.3/19
 All: 8.164+/-0.037 χ^2/NDF : 10809.5/38

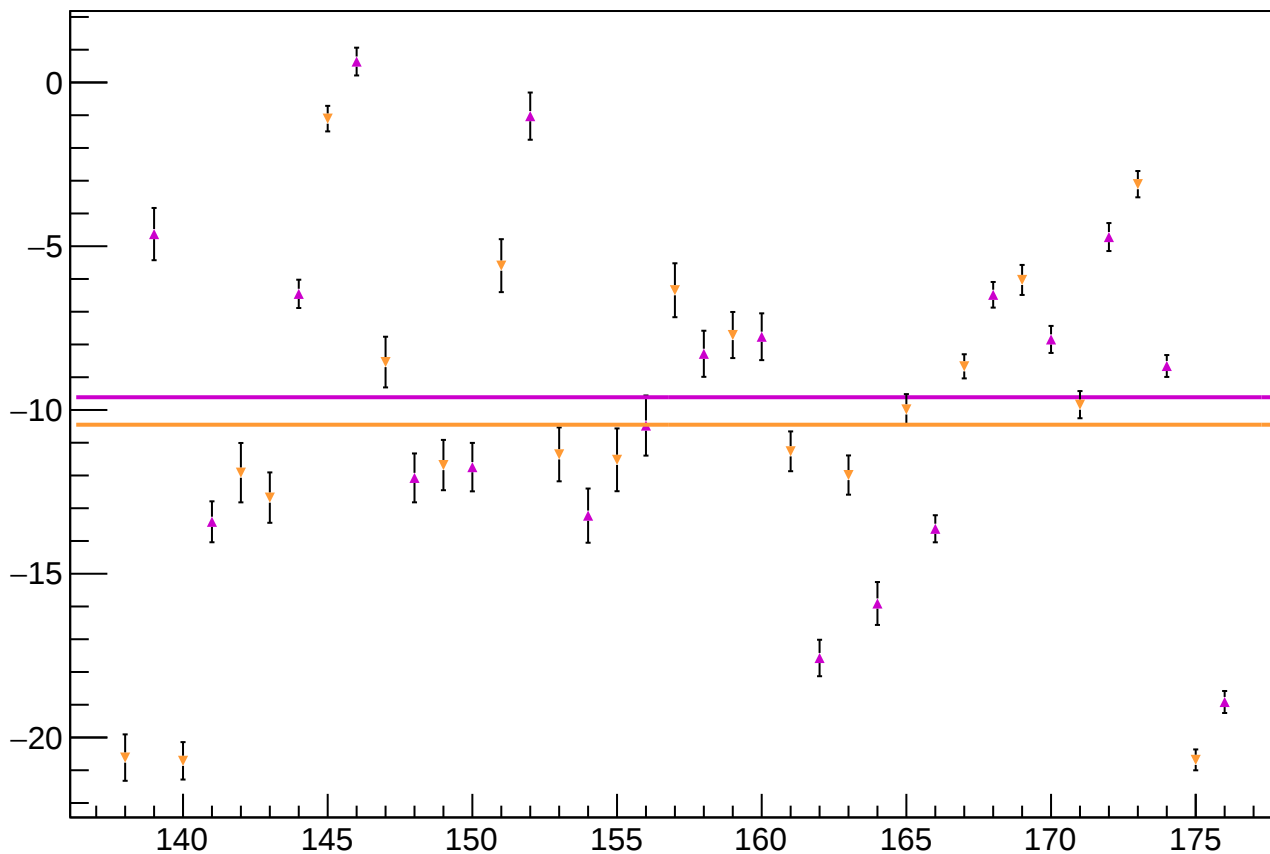
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.323 $\pm$ 0.002 χ^2 /NDF:532.0/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.314 $\pm$ 0.002 χ^2 /NDF:804.6/18

Left: 0.318 $\pm$ 0.002 χ^2 /NDF: 1343.3/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.314 $\pm$ 0.002 χ^2 /NDF:804.6/18
 Out: 0.323 $\pm$ 0.002 χ^2 /NDF:532.0/19
 All: 0.318 $\pm$ 0.002 χ^2 /NDF: 1343.3/38

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.450+/-0.120 χ^2/NDF :2694.3/19

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

Left In: -9.611+/-0.116 χ^2/NDF :2284.2/18

Left: -10.017+/-0.083 χ^2/NDF : 5003.8/38

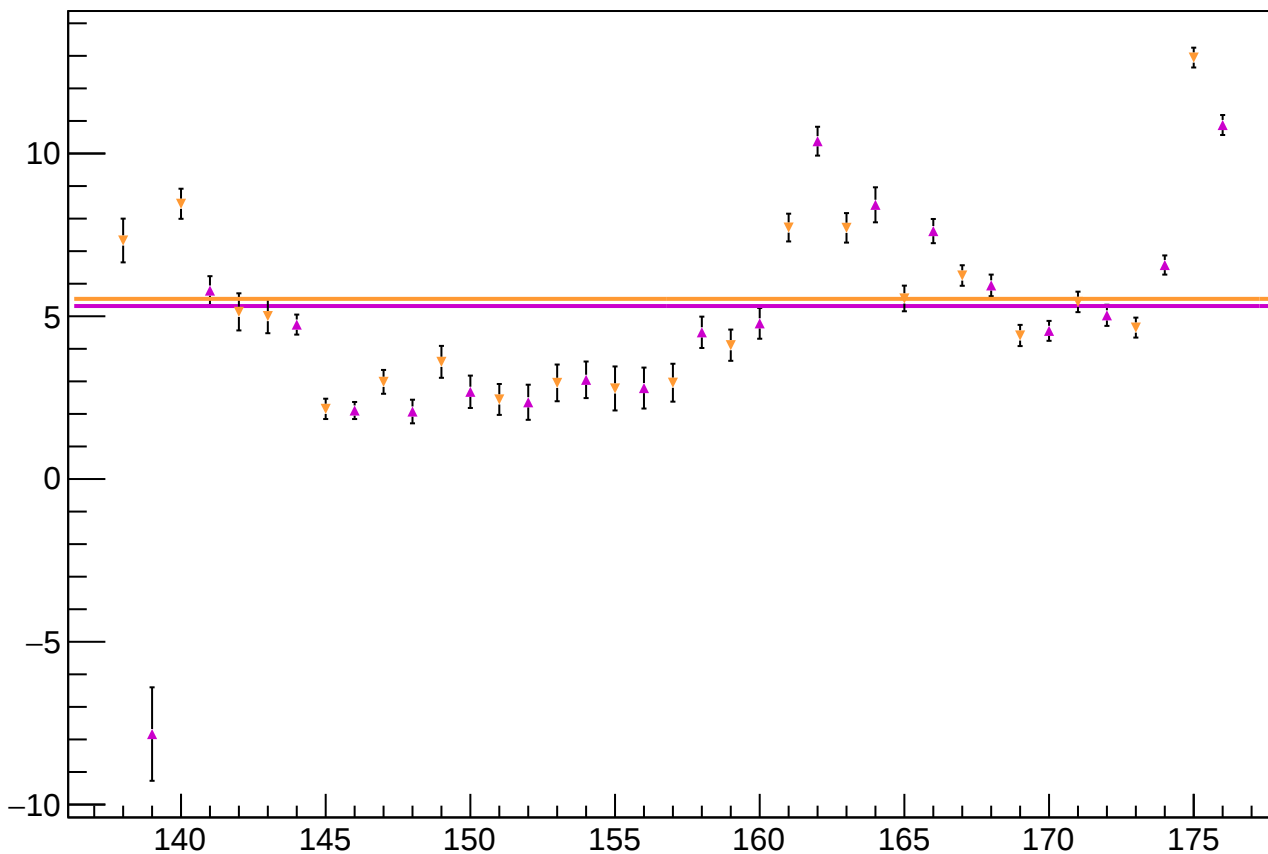
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -9.611+/-0.116 χ^2/NDF :2284.2/18

Out: -10.450+/-0.120 χ^2/NDF :2694.3/19

All: -10.017+/-0.083 χ^2/NDF : 5003.8/38

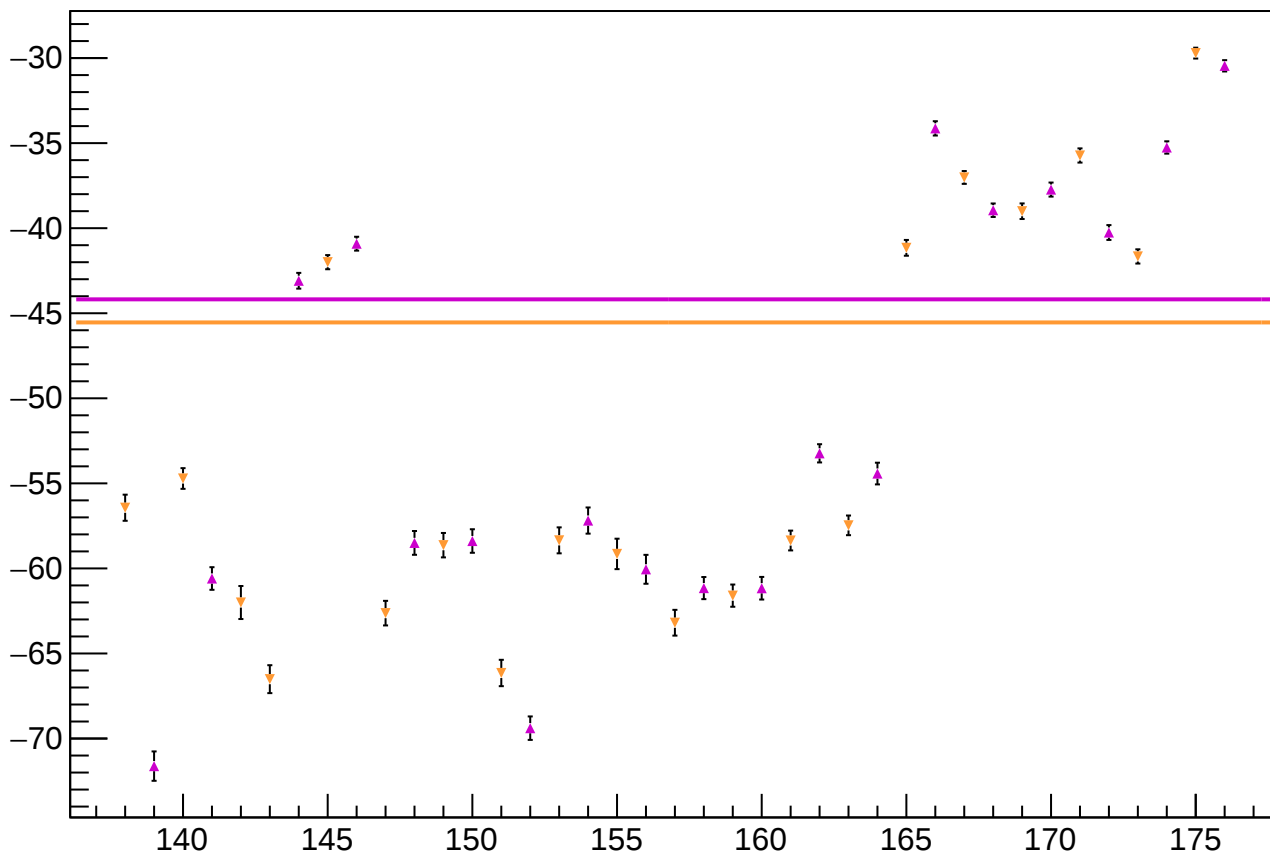
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.535+/-0.091 χ^2/NDF :1005.5/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.314+/-0.089 χ^2/NDF :971.9/18

Left: 5.421+/-0.064 χ^2/NDF : 1980.4/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.314+/-0.089 χ^2/NDF :971.9/18
 Out: 5.535+/-0.091 χ^2/NDF :1005.5/19
 All: 5.421+/-0.064 χ^2/NDF : 1980.4/38

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: -45.540+/-0.120 χ^2/NDF : 9508.9/19

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

Left In: -44.183+/-0.116 χ^2/NDF : 9757.9/18

Left: -44.838+/-0.084 χ^2/NDF : 19332.5/38

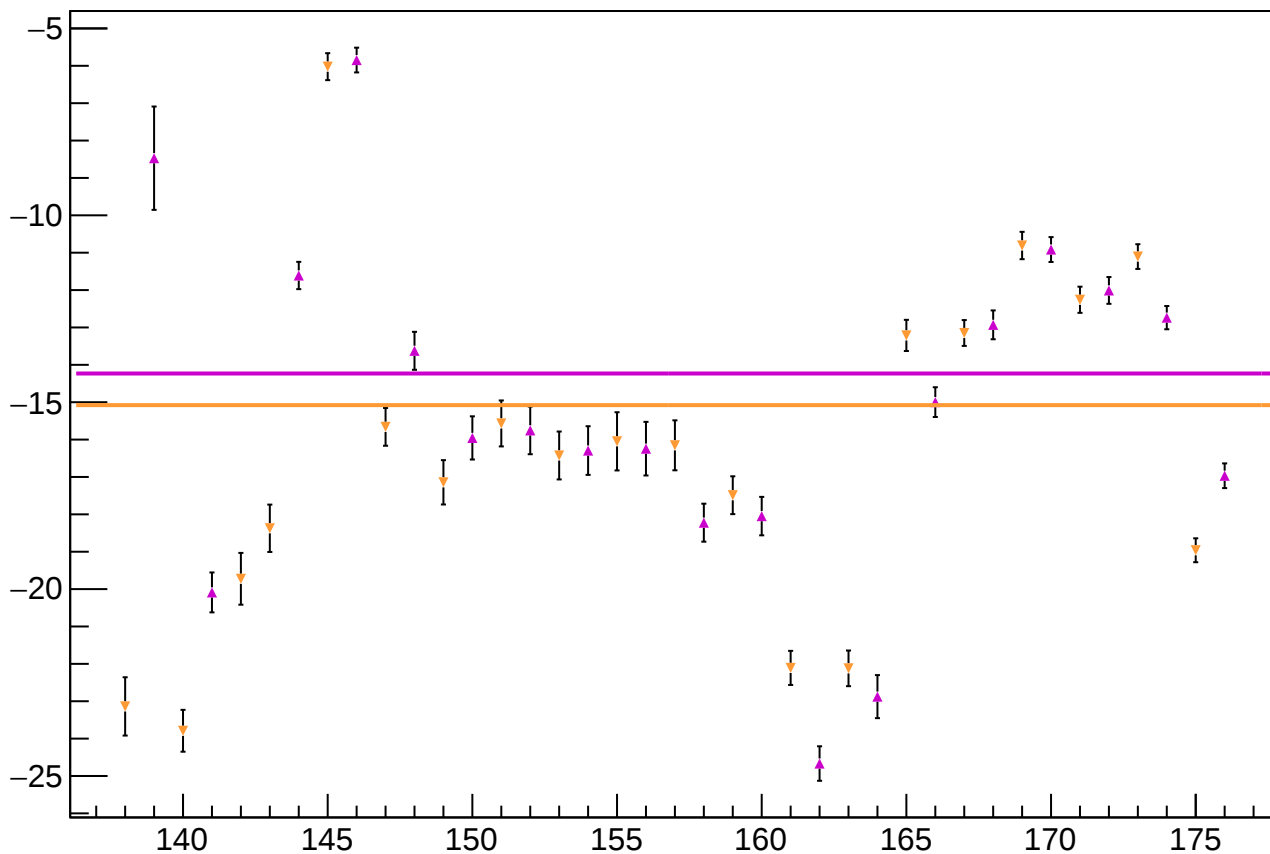
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -44.183+/-0.116 χ^2/NDF : 9757.9/18

Out: -45.540+/-0.120 χ^2/NDF : 9508.9/19

All: -44.838+/-0.084 χ^2/NDF : 19332.5/38

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: -15.078+/-0.103 χ^2/NDF :2095.8/19

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

Left In: -14.232+/-0.101 χ^2/NDF :1961.7/18

Left: -14.646+/-0.072 χ^2/NDF : 4092.1/38

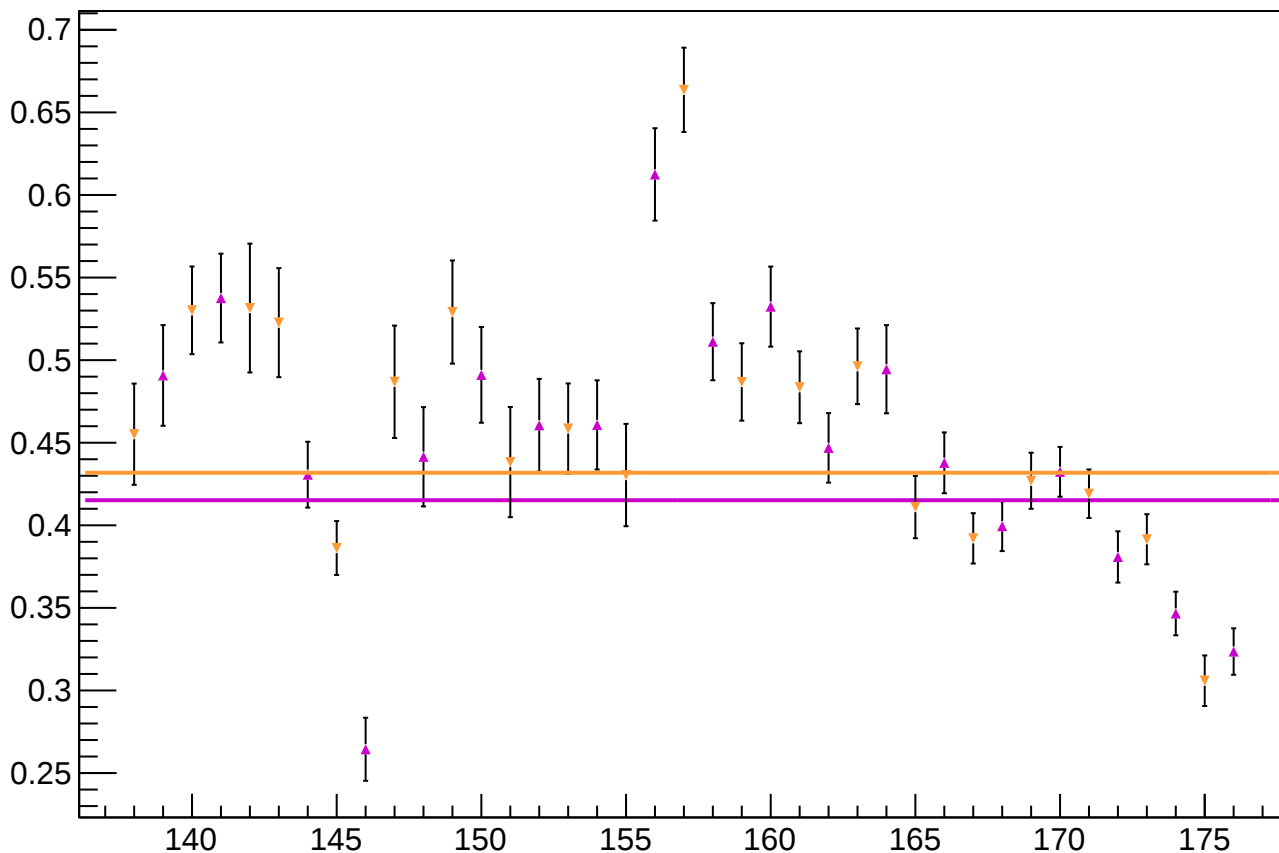
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.232+/-0.101 χ^2/NDF :1961.7/18

Out: -15.078+/-0.103 χ^2/NDF :2095.8/19

All: -14.646+/-0.072 χ^2/NDF : 4092.1/38

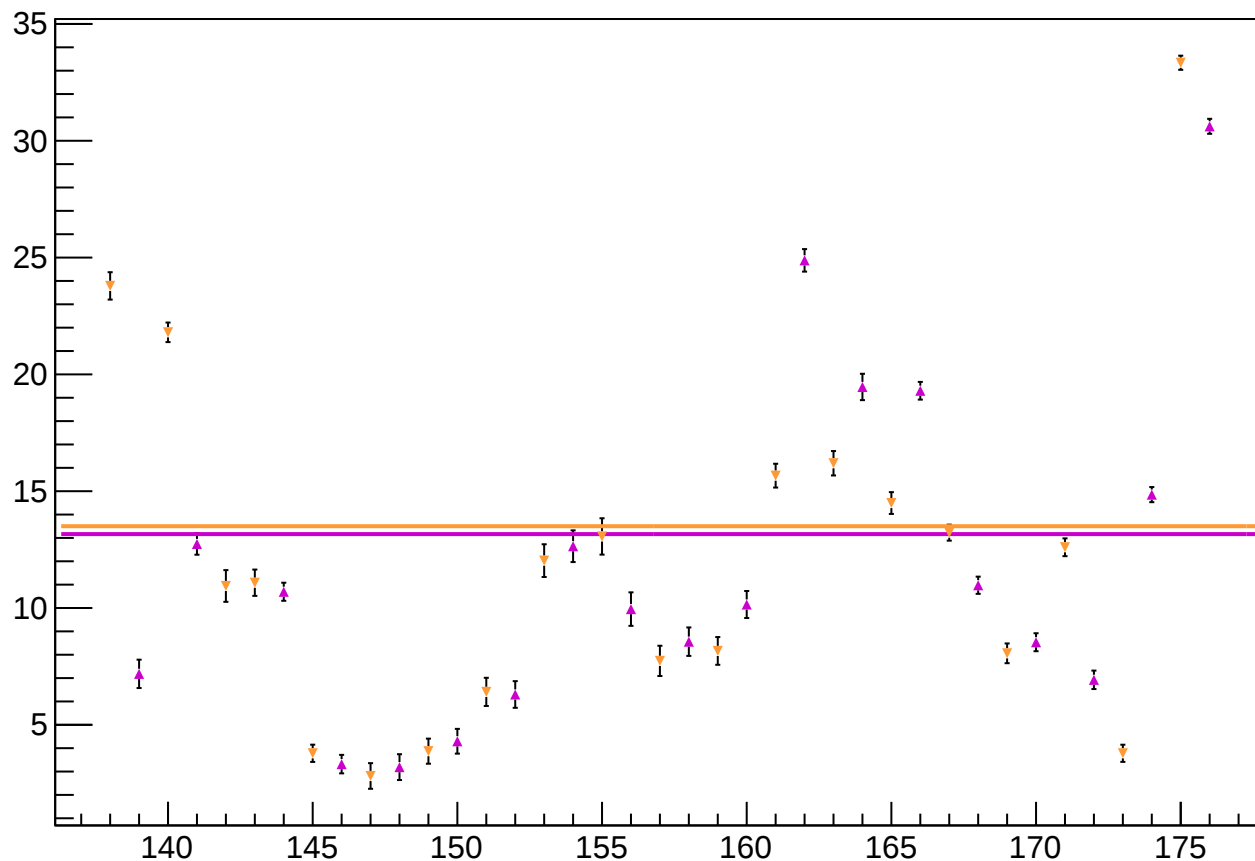
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.432 $\pm$ 0.005 χ^2/NDF :234.7/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 0.415 $\pm$ 0.005 χ^2/NDF :282.3/18

Left: 0.423 $\pm$ 0.003 χ^2/NDF : 523.4/38
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 0.415 $\pm$ 0.005 χ^2/NDF :282.3/18
 Out: 0.432 $\pm$ 0.005 χ^2/NDF :234.7/19
 All: 0.423 $\pm$ 0.003 χ^2/NDF : 523.4/38

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: 13.501+/-0.105 χ^2/NDF :7641.9/19

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

Left In: 13.164+/-0.103 χ^2/NDF :6017.8/18

Left: 13.330+/-0.073 χ^2/NDF : 13665.0/38

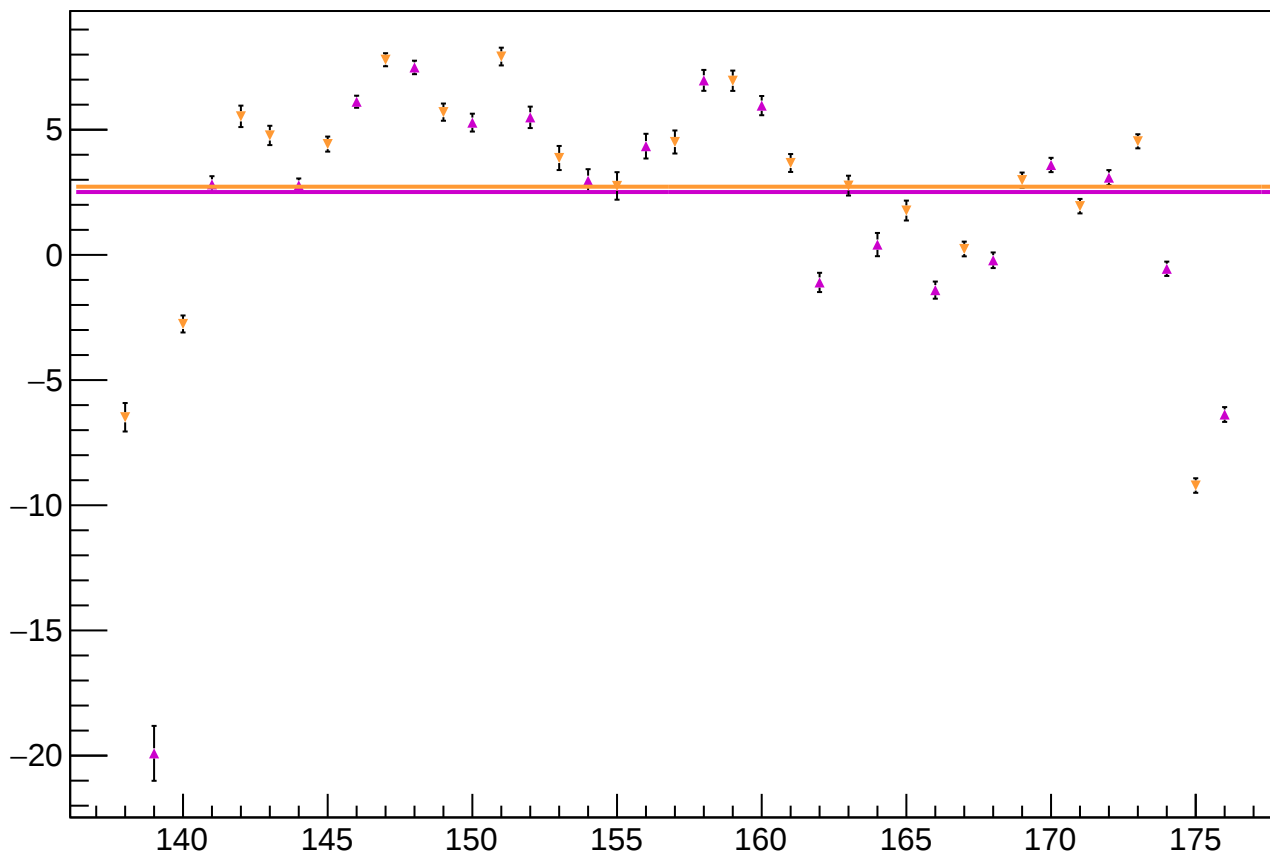
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 13.164+/-0.103 χ^2/NDF :6017.8/18

Out: 13.501+/-0.105 χ^2/NDF :7641.9/19

All: 13.330+/-0.073 χ^2/NDF : 13665.0/38

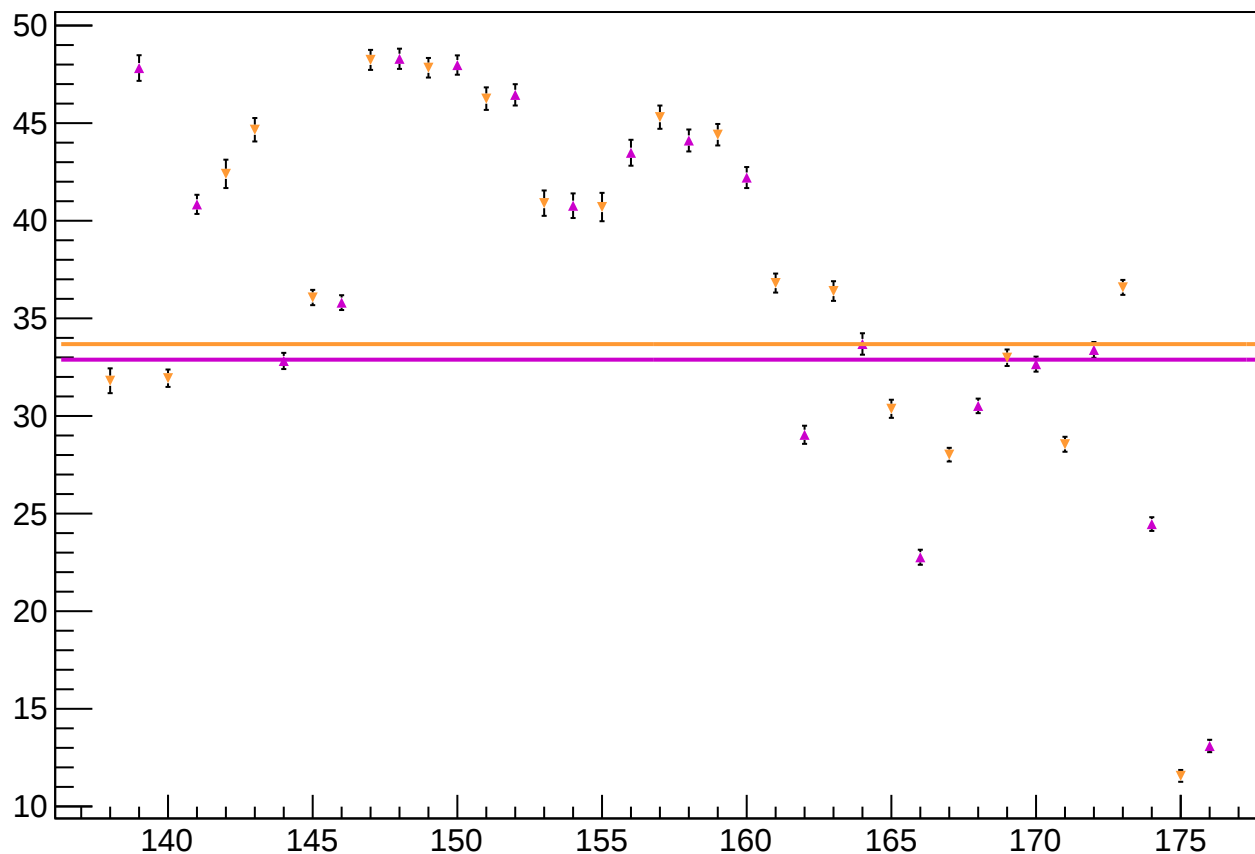
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.724 $\pm$ 0.078 χ^2 /NDF:3245.6/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.510 $\pm$ 0.078 χ^2 /NDF:2652.7/18

Left: 2.617 $\pm$ 0.055 χ^2 /NDF: 5902.0/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.510 $\pm$ 0.078 χ^2 /NDF:2652.7/18
 Out: 2.724 $\pm$ 0.078 χ^2 /NDF:3245.6/19
 All: 2.617 $\pm$ 0.055 χ^2 /NDF: 5902.0/38

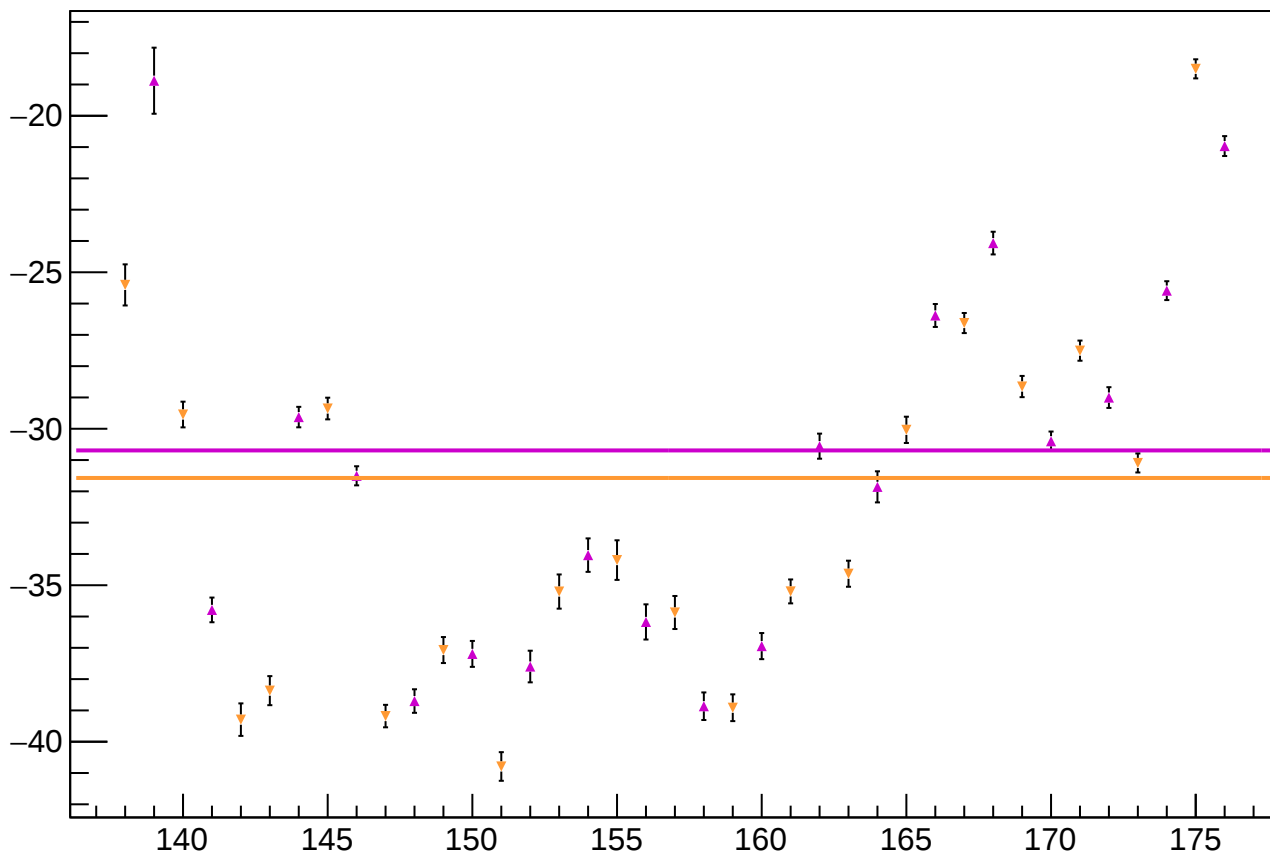
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 33.680 $\pm$ 0.105 χ^2 /NDF:9528.2/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 32.884 $\pm$ 0.103 χ^2 /NDF:9648.4/18

Left: 33.274 $\pm$ 0.073 χ^2 /NDF: 19206.0/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 32.884 $\pm$ 0.103 χ^2 /NDF:9648.4/18
 Out: 33.680 $\pm$ 0.105 χ^2 /NDF:9528.2/19
 All: 33.274 $\pm$ 0.073 χ^2 /NDF: 19206.0/38

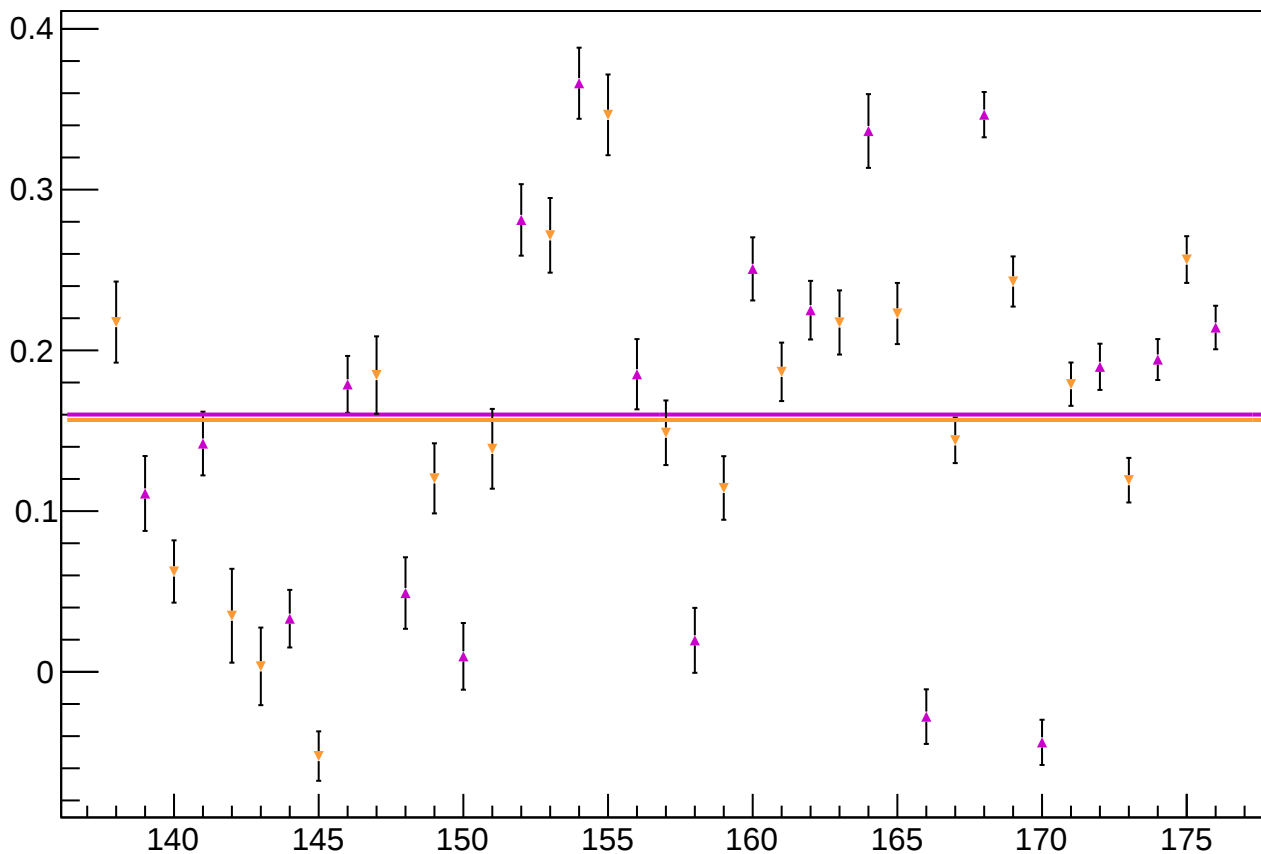
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -31.573+/-0.089 χ^2/NDF : 4507.6/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -30.693+/-0.089 χ^2/NDF : 3625.3/18

Left: -31.130+/-0.063 χ^2/NDF : 8182.0/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -30.693+/-0.089 χ^2/NDF : 3625.3/18
 Out: -31.573+/-0.089 χ^2/NDF : 4507.6/19
 All: -31.130+/-0.063 χ^2/NDF : 8182.0/38

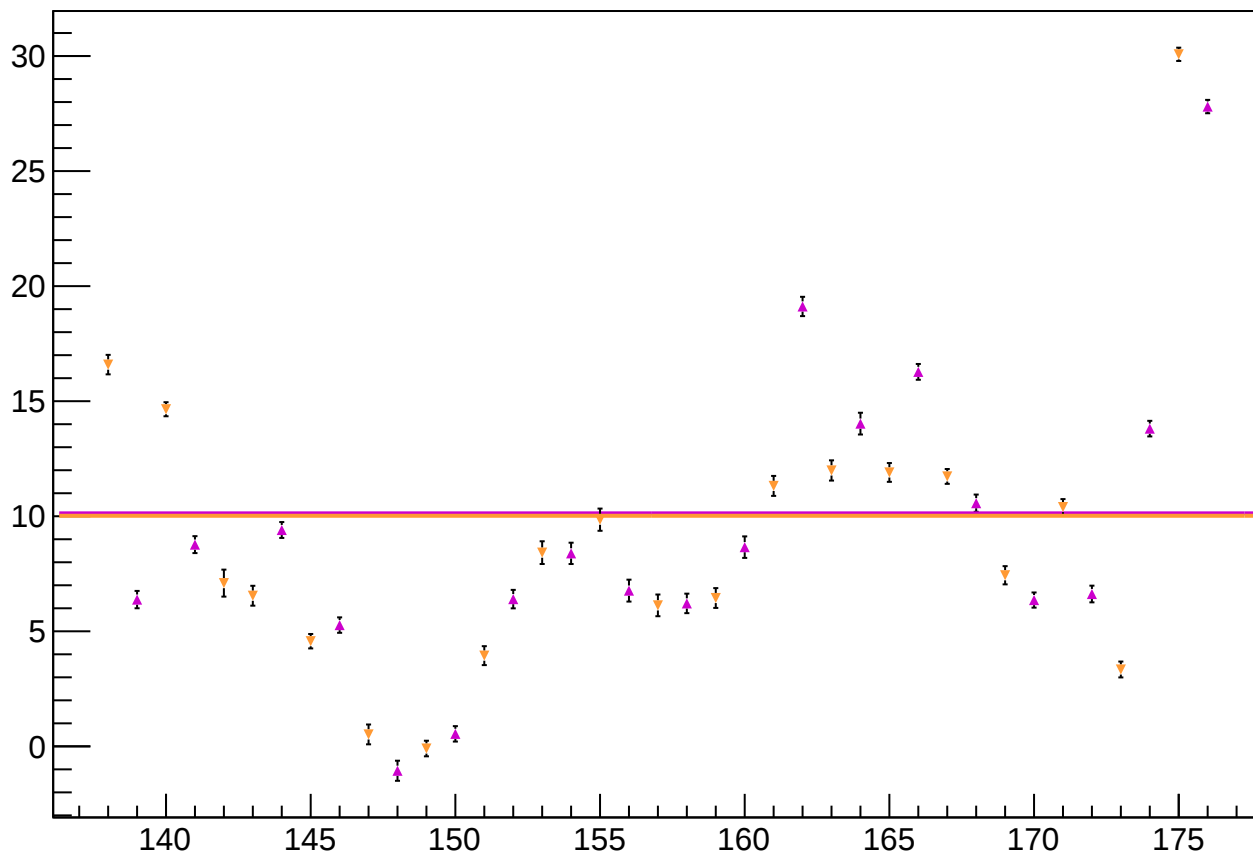
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.157 $\pm$ 0.004 χ^2 /NDF:475.5/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.160 $\pm$ 0.004 χ^2 /NDF:929.0/18

Left: 0.158 $\pm$ 0.003 χ^2 /NDF: 1404.9/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.160 $\pm$ 0.004 χ^2 /NDF:929.0/18
 Out: 0.157 $\pm$ 0.004 χ^2 /NDF:475.5/19
 All: 0.158 $\pm$ 0.003 χ^2 /NDF: 1404.9/38

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 10.021 $\pm$ 0.086 χ^2 /NDF:7915.5/19

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

Left In: 10.125 $\pm$ 0.086 χ^2 /NDF:6943.3/18

Left: 10.073 $\pm$ 0.061 χ^2 /NDF: 14859.5/38

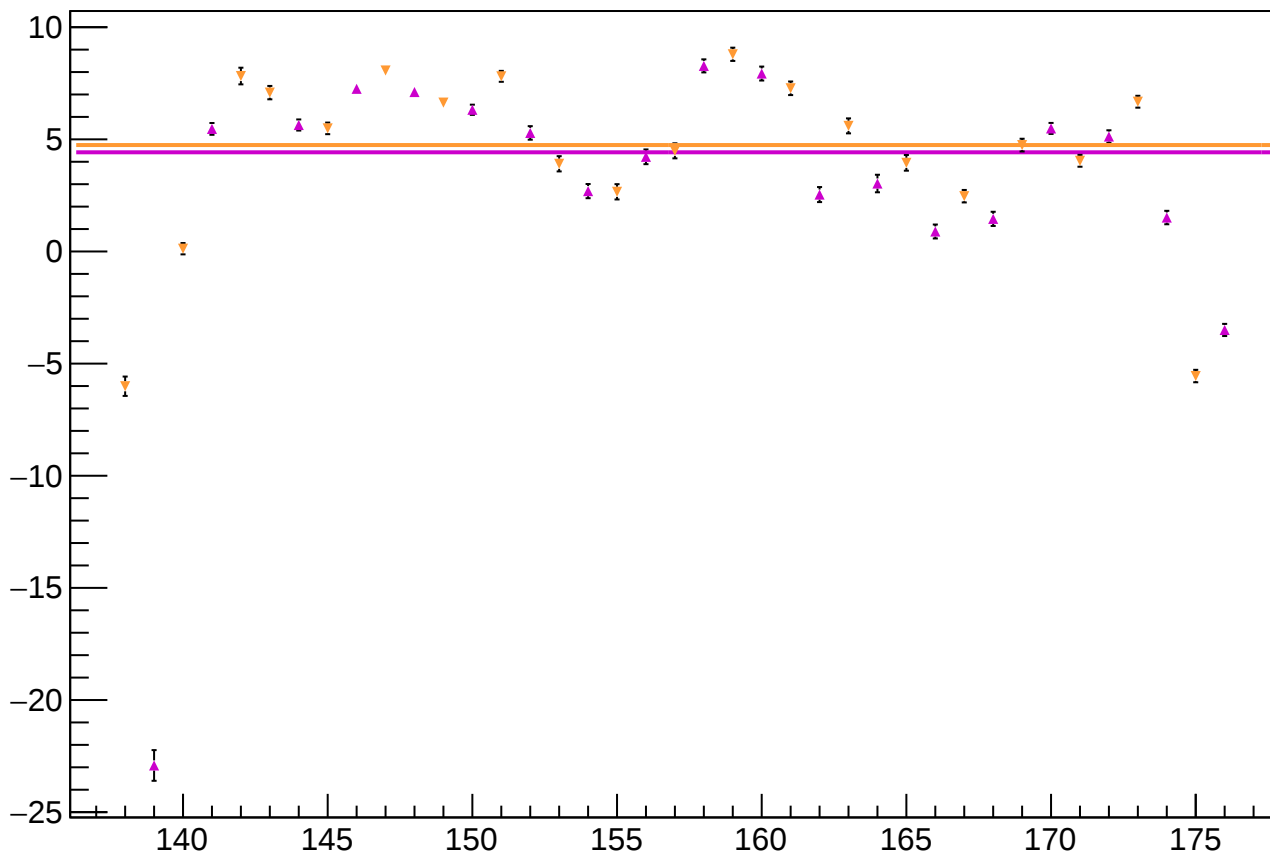
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 10.125 $\pm$ 0.086 χ^2 /NDF:6943.3/18

Out: 10.021 $\pm$ 0.086 χ^2 /NDF:7915.5/19

All: 10.073 $\pm$ 0.061 χ^2 /NDF: 14859.5/38

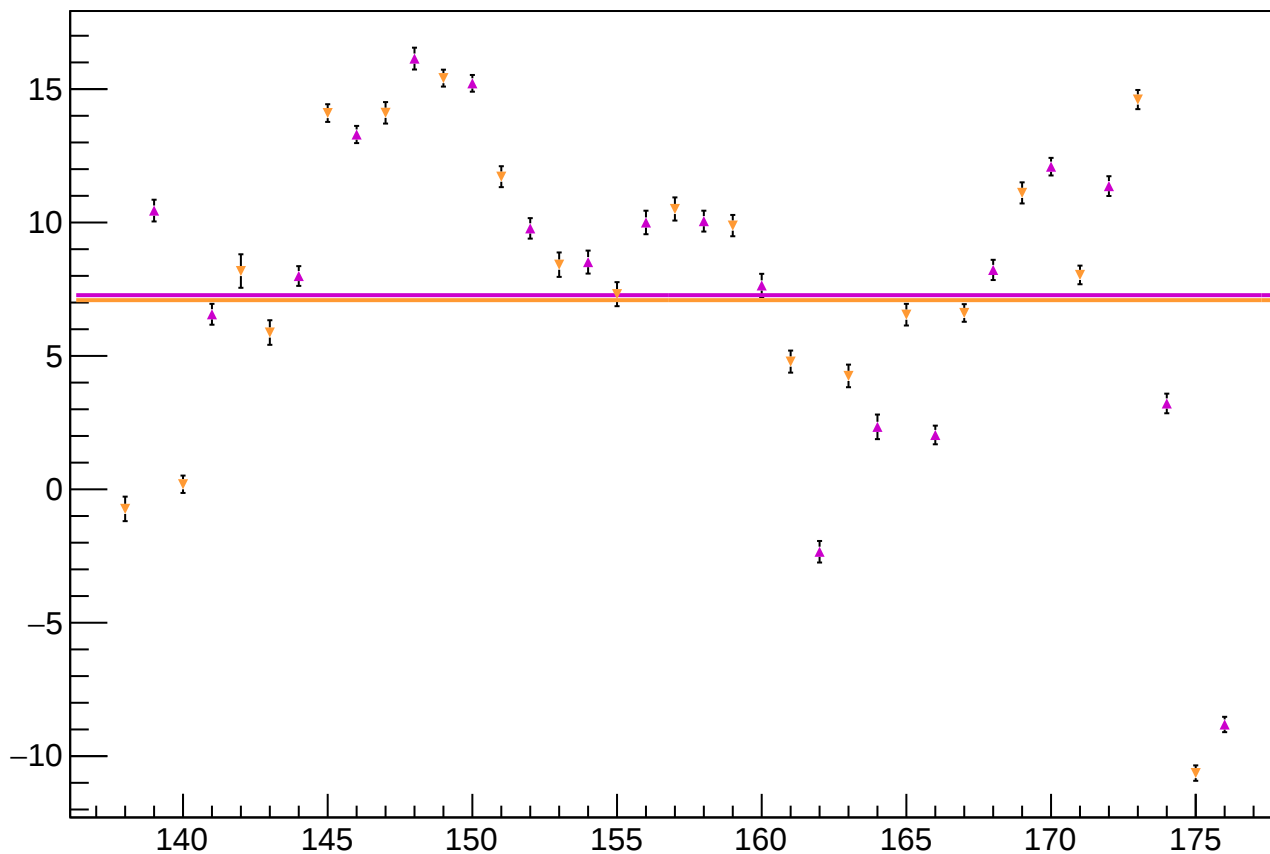
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.746 $\pm$ 0.064 χ^2 /NDF:3398.1/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.422 $\pm$ 0.065 χ^2 /NDF:3610.4/18

Left: 4.587 $\pm$ 0.045 χ^2 /NDF: 7021.2/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.422 $\pm$ 0.065 χ^2 /NDF:3610.4/18
 Out: 4.746 $\pm$ 0.064 χ^2 /NDF:3398.1/19
 All: 4.587 $\pm$ 0.045 χ^2 /NDF: 7021.2/38

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 7.090 $\pm$ 0.086 χ^2 /NDF:6843.5/19

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

Left In: 7.277 $\pm$ 0.086 χ^2 /NDF:6171.5/18

Left: 7.184 $\pm$ 0.061 χ^2 /NDF: 13017.3/38

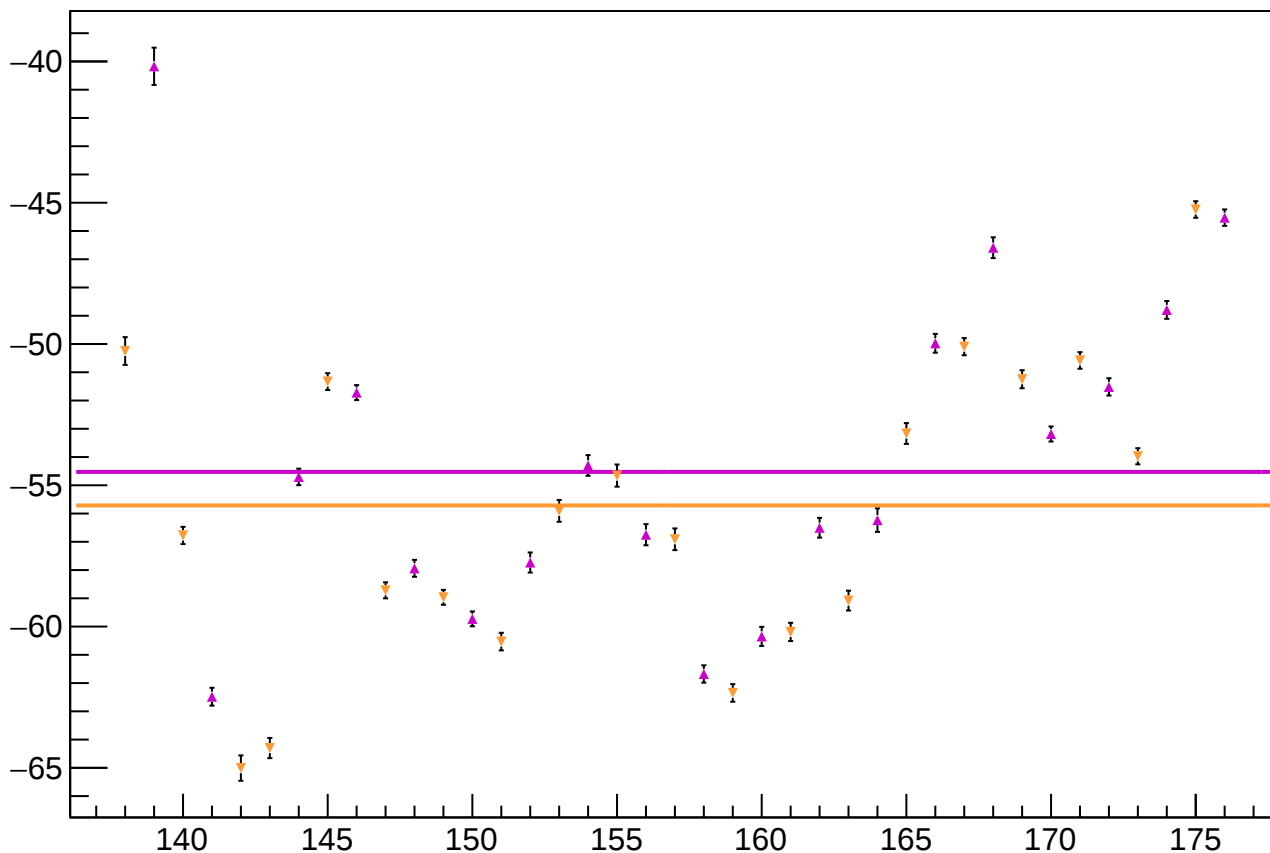
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 7.277 $\pm$ 0.086 χ^2 /NDF:6171.5/18

Out: 7.090 $\pm$ 0.086 χ^2 /NDF:6843.5/19

All: 7.184 $\pm$ 0.061 χ^2 /NDF: 13017.3/38

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



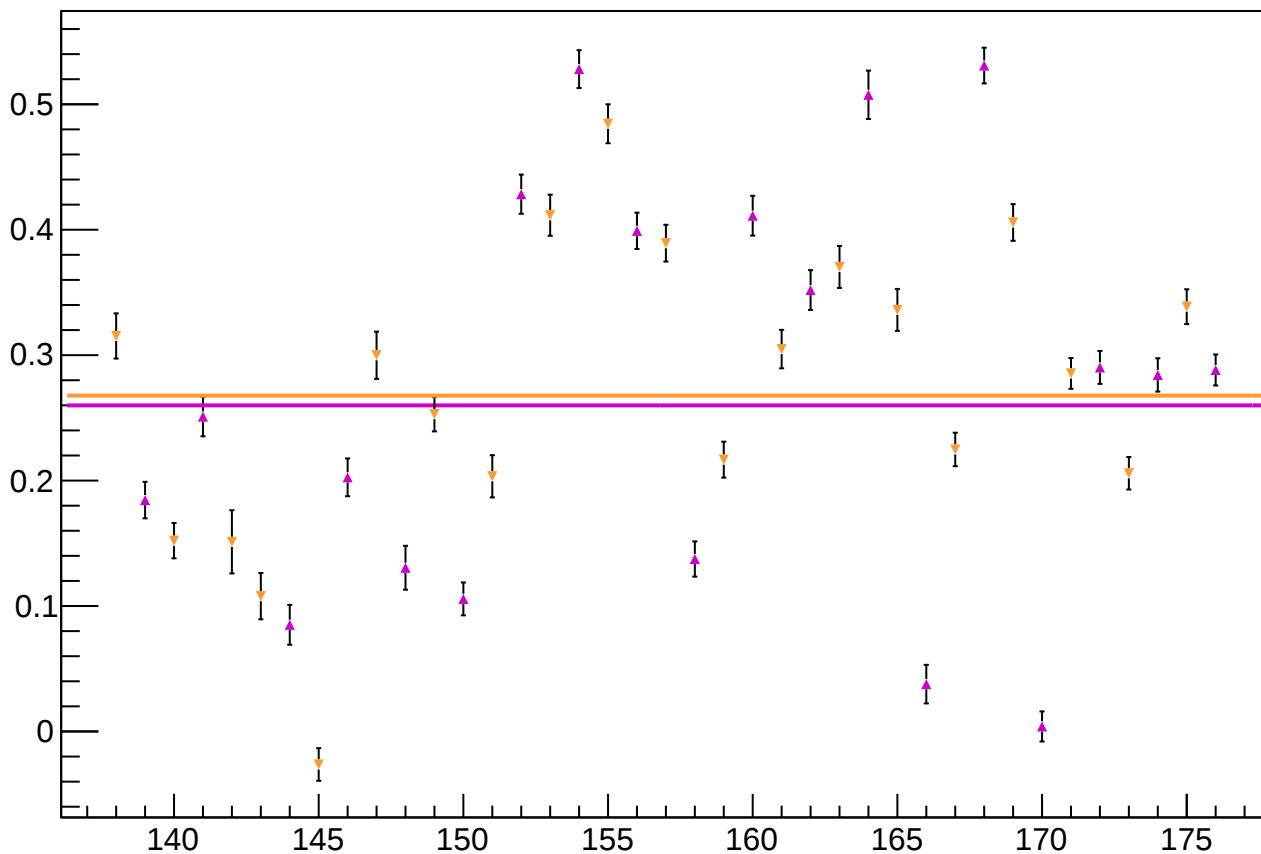
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -55.713+/-0.073 χ^2/NDF : 4831.9/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -54.527+/-0.074 χ^2/NDF : 4805.1/18

Left: -55.128+/-0.052 χ^2/NDF : 9767.3/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -54.527+/-0.074 χ^2/NDF : 4805.1/18
 Out: -55.713+/-0.073 χ^2/NDF : 4831.9/19

All: -55.128+/-0.052 χ^2/NDF : 9767.3/38

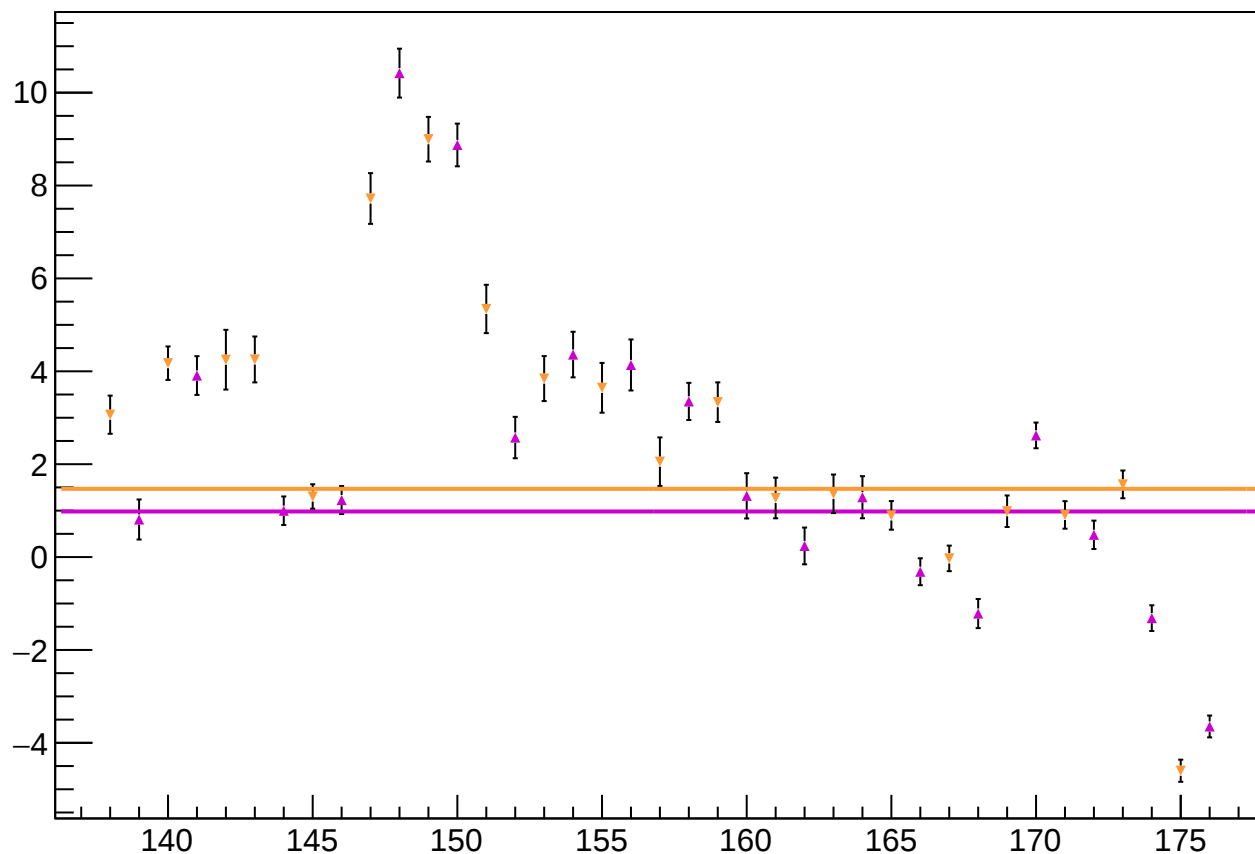
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.268 $\pm$ 0.003 χ^2 /NDF:1264.4/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.260 $\pm$ 0.003 χ^2 /NDF:2284.0/18

Left: 0.264 $\pm$ 0.002 χ^2 /NDF: 3551.1/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.260 $\pm$ 0.003 χ^2 /NDF:2284.0/18
 Out: 0.268 $\pm$ 0.003 χ^2 /NDF:1264.4/19
 All: 0.264 $\pm$ 0.002 χ^2 /NDF: 3551.1/38

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: 1.469+/-0.083 χ^2/NDF :1303.0/19

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

Left In: 0.982+/-0.081 χ^2/NDF :1362.2/18

Left: 1.221+/-0.058 χ^2/NDF : 2682.9/38

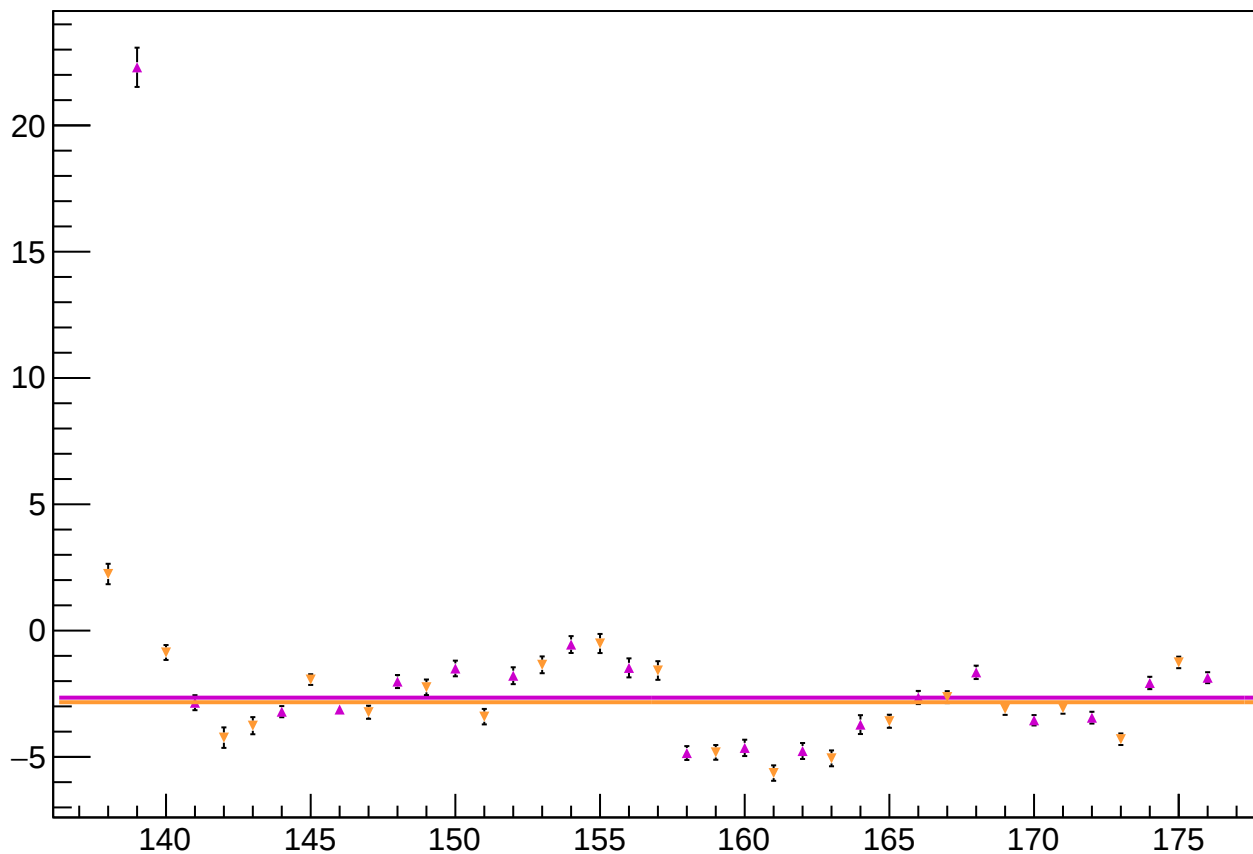
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.982+/-0.081 χ^2/NDF :1362.2/18

Out: 1.469+/-0.083 χ^2/NDF :1303.0/19

All: 1.221+/-0.058 χ^2/NDF : 2682.9/38

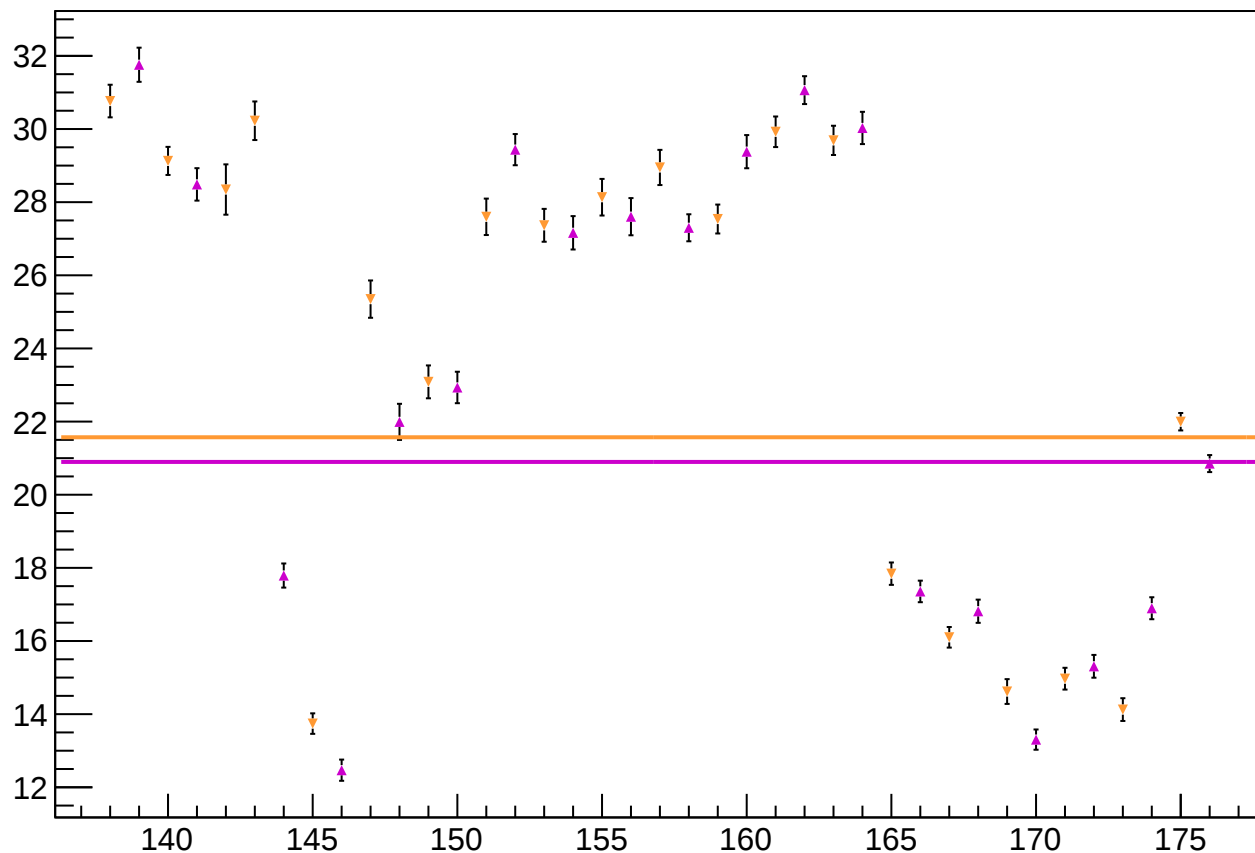
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.835+/-0.063 χ^2/NDF : 598.8/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.654+/-0.062 χ^2/NDF : 1337.9/18

Left: -2.744+/-0.044 χ^2/NDF : 1940.9/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.654+/-0.062 χ^2/NDF : 1337.9/18
 Out: -2.835+/-0.063 χ^2/NDF : 598.8/19
 All: -2.744+/-0.044 χ^2/NDF : 1940.9/38

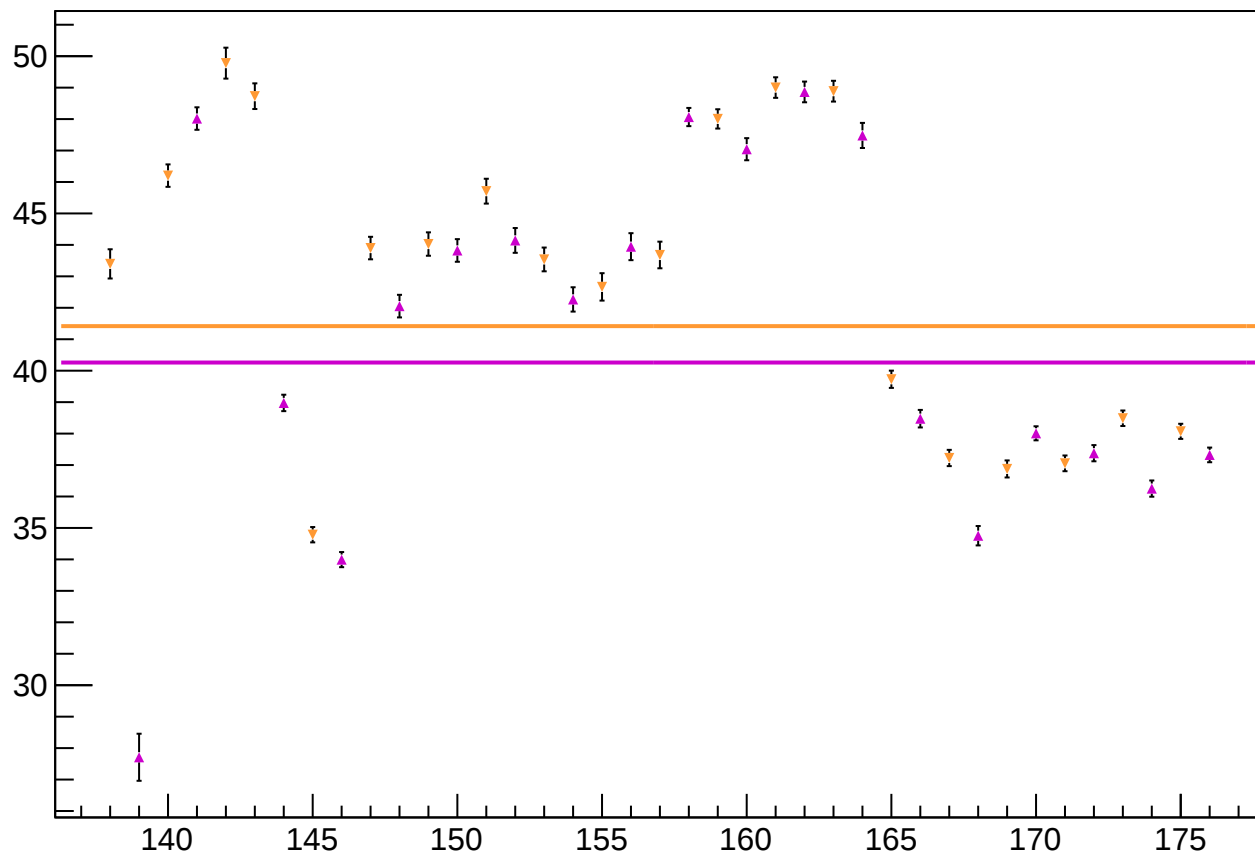
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 21.571+/-0.083 χ^2/NDF : 5798.6/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 20.897+/-0.081 χ^2/NDF : 5908.9/18

Left: 21.226+/-0.058 χ^2/NDF : 11741.4/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 20.897+/-0.081 χ^2/NDF : 5908.9/18
 Out: 21.571+/-0.083 χ^2/NDF : 5798.6/19
 All: 21.226+/-0.058 χ^2/NDF : 11741.4/38

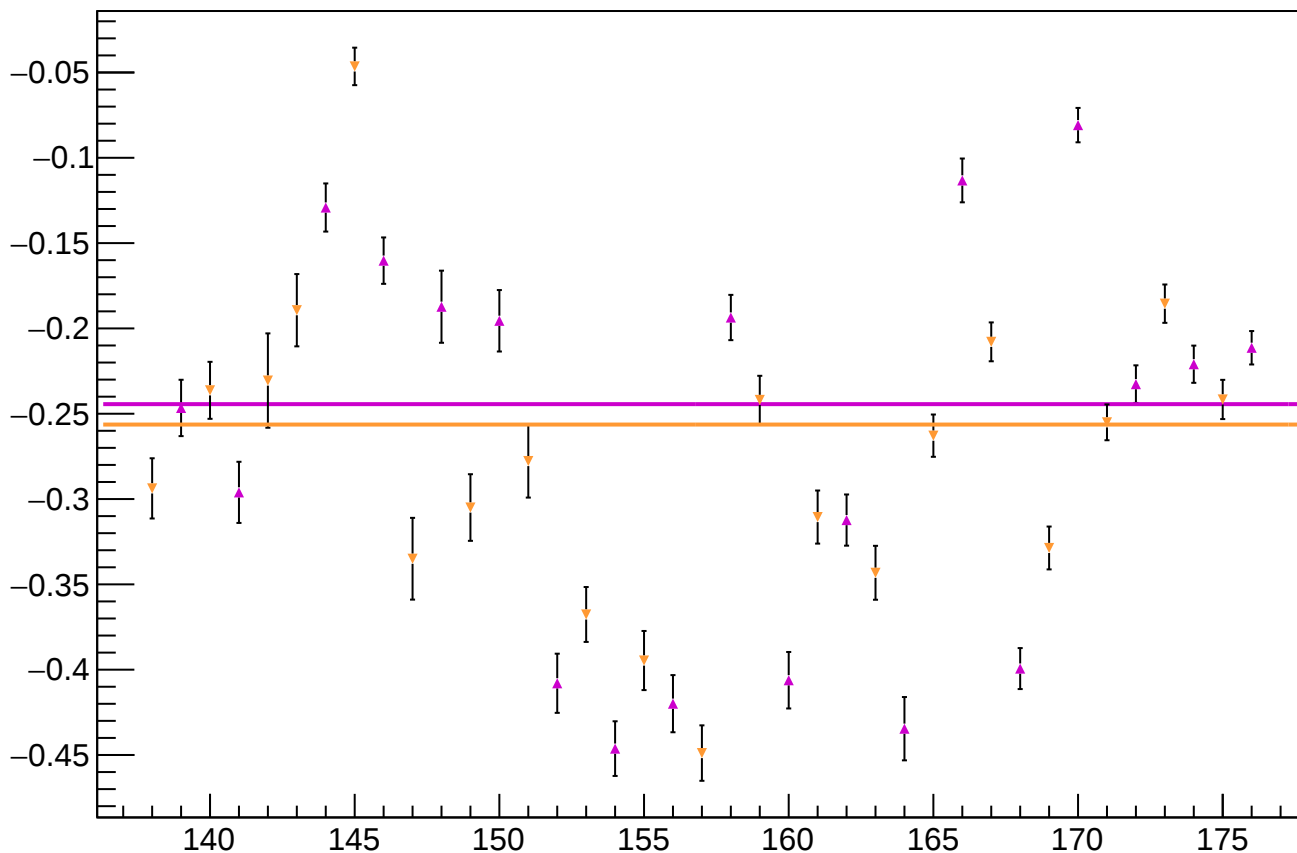
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 41.417+/-0.071 χ^2/NDF : 4562.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 40.260+/-0.070 χ^2/NDF : 4871.6/18

Left: 40.833+/-0.050 χ^2/NDF : 9569.0/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 40.260+/-0.070 χ^2/NDF : 4871.6/18
 Out: 41.417+/-0.071 χ^2/NDF : 4562.7/19
 All: 40.833+/-0.050 χ^2/NDF : 9569.0/38

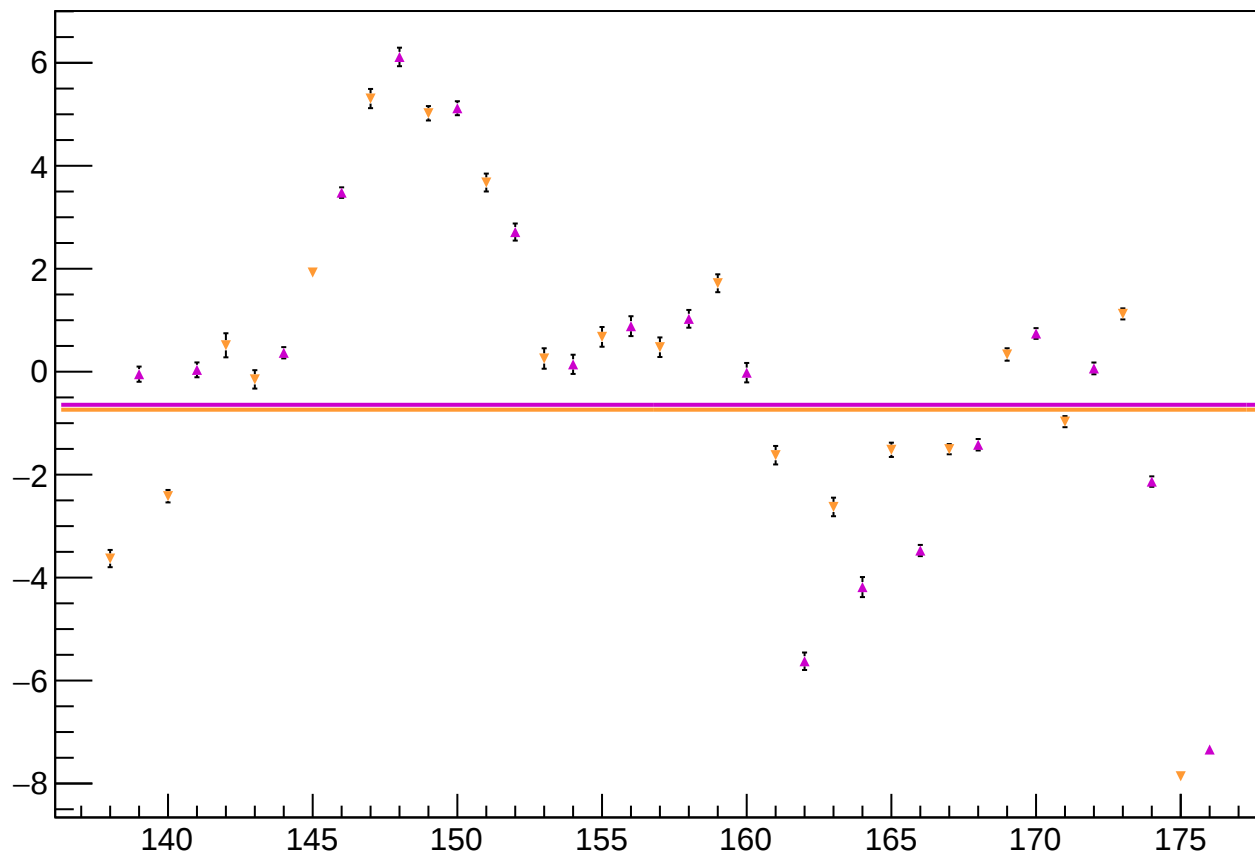
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.256 $\pm$ 0.003 χ^2 /NDF:788.3/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.244 $\pm$ 0.003 χ^2 /NDF:1272.6/18

Left: -0.250 $\pm$ 0.002 χ^2 /NDF: 2067.9/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.244 $\pm$ 0.003 χ^2 /NDF:1272.6/18
 Out: -0.256 $\pm$ 0.003 χ^2 /NDF:788.3/19
 All: -0.250 $\pm$ 0.002 χ^2 /NDF: 2067.9/38

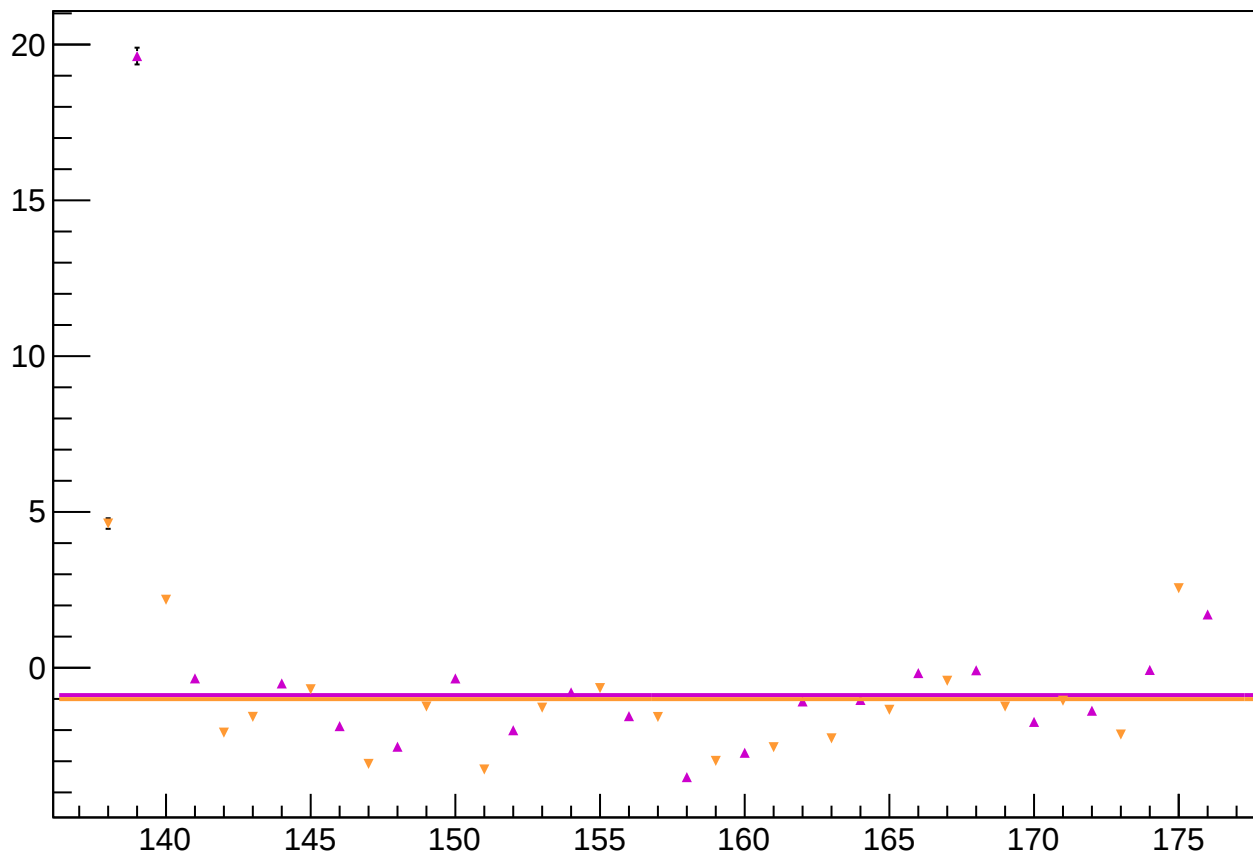
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.739+/-0.030 χ^2/NDF :12267.4/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.643+/-0.030 χ^2/NDF :13167.2/18

Left: -0.690+/-0.021 χ^2/NDF : 25439.7/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.643+/-0.030 χ^2/NDF :13167.2/18
 Out: -0.739+/-0.030 χ^2/NDF :12267.4/19
 All: -0.690+/-0.021 χ^2/NDF : 25439.7/38

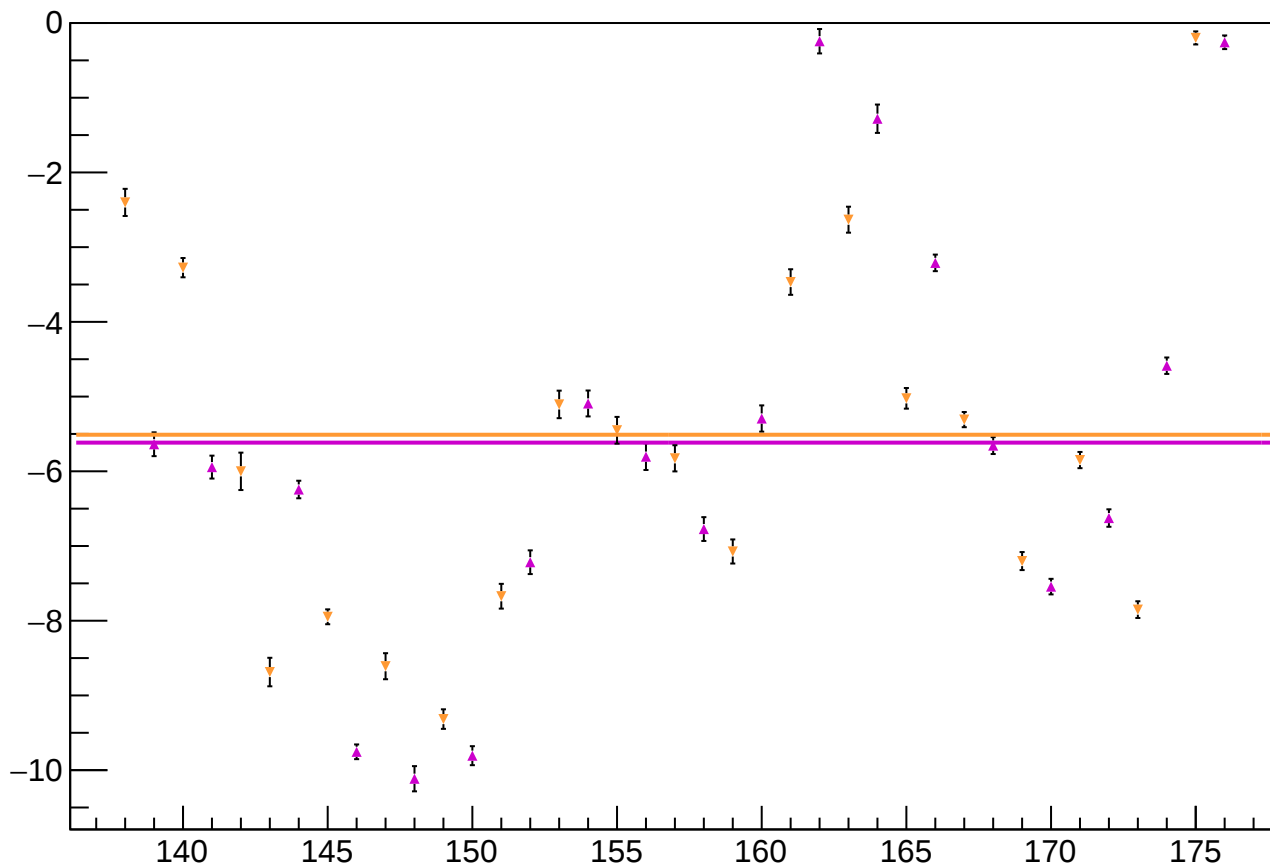
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -1.007 $\pm$ 0.023 χ^2 /NDF:5830.7/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.877 $\pm$ 0.023 χ^2 /NDF:8549.4/18

Left: -0.942 $\pm$ 0.016 χ^2 /NDF: 14396.1/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.877 $\pm$ 0.023 χ^2 /NDF:8549.4/18
 Out: -1.007 $\pm$ 0.023 χ^2 /NDF:5830.7/19
 All: -0.942 $\pm$ 0.016 χ^2 /NDF: 14396.1/38

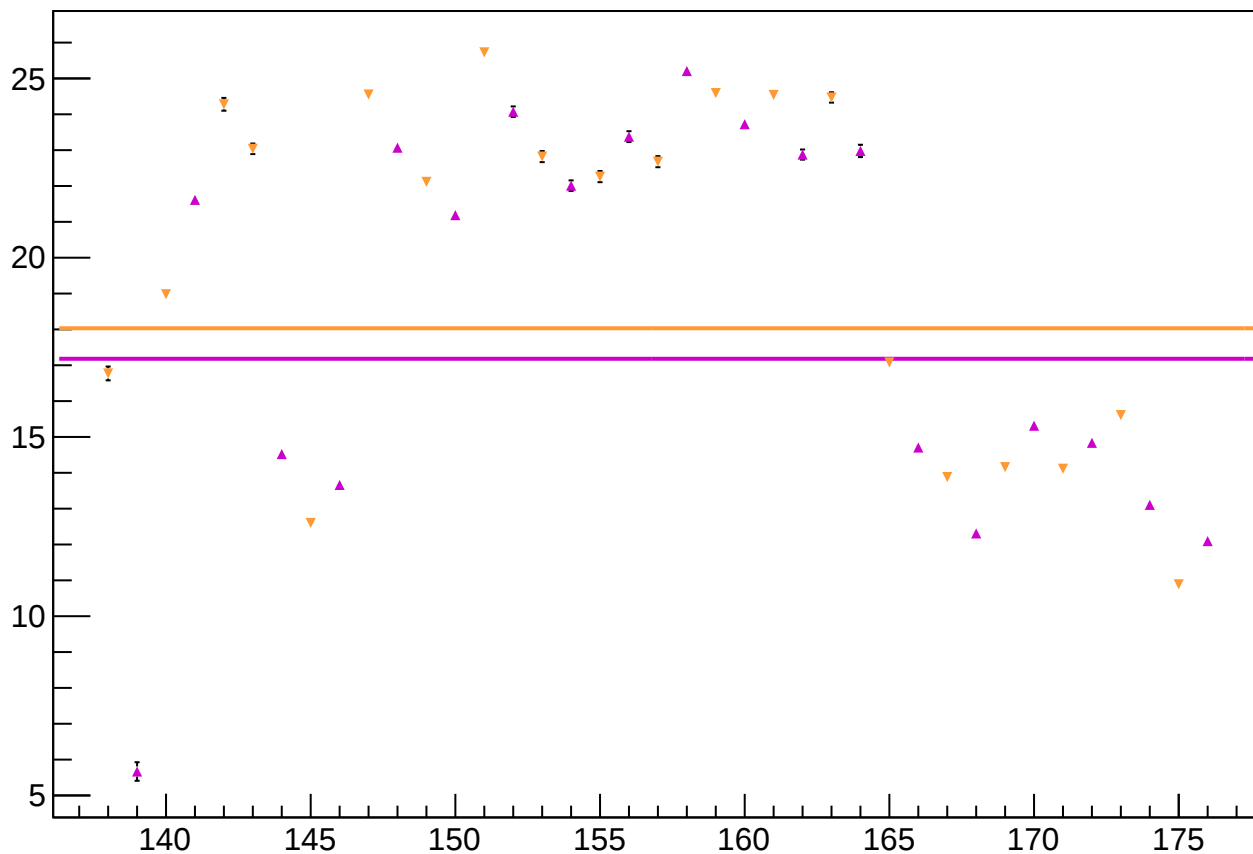
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -5.511 $\pm$ 0.031 χ^2 /NDF:7664.7/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.616 $\pm$ 0.030 χ^2 /NDF:9789.8/18

Left: -5.565 $\pm$ 0.021 χ^2 /NDF: 17460.6/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -5.616 $\pm$ 0.030 χ^2 /NDF:9789.8/18
 Out: -5.511 $\pm$ 0.031 χ^2 /NDF:7664.7/19
 All: -5.565 $\pm$ 0.021 χ^2 /NDF: 17460.6/38

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: 18.032+/-0.026 χ^2/NDF :36363.9/19

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

Left In: 17.181+/-0.026 χ^2/NDF :32196.8/18

Left: 17.603+/-0.018 χ^2/NDF : 69093.8/38

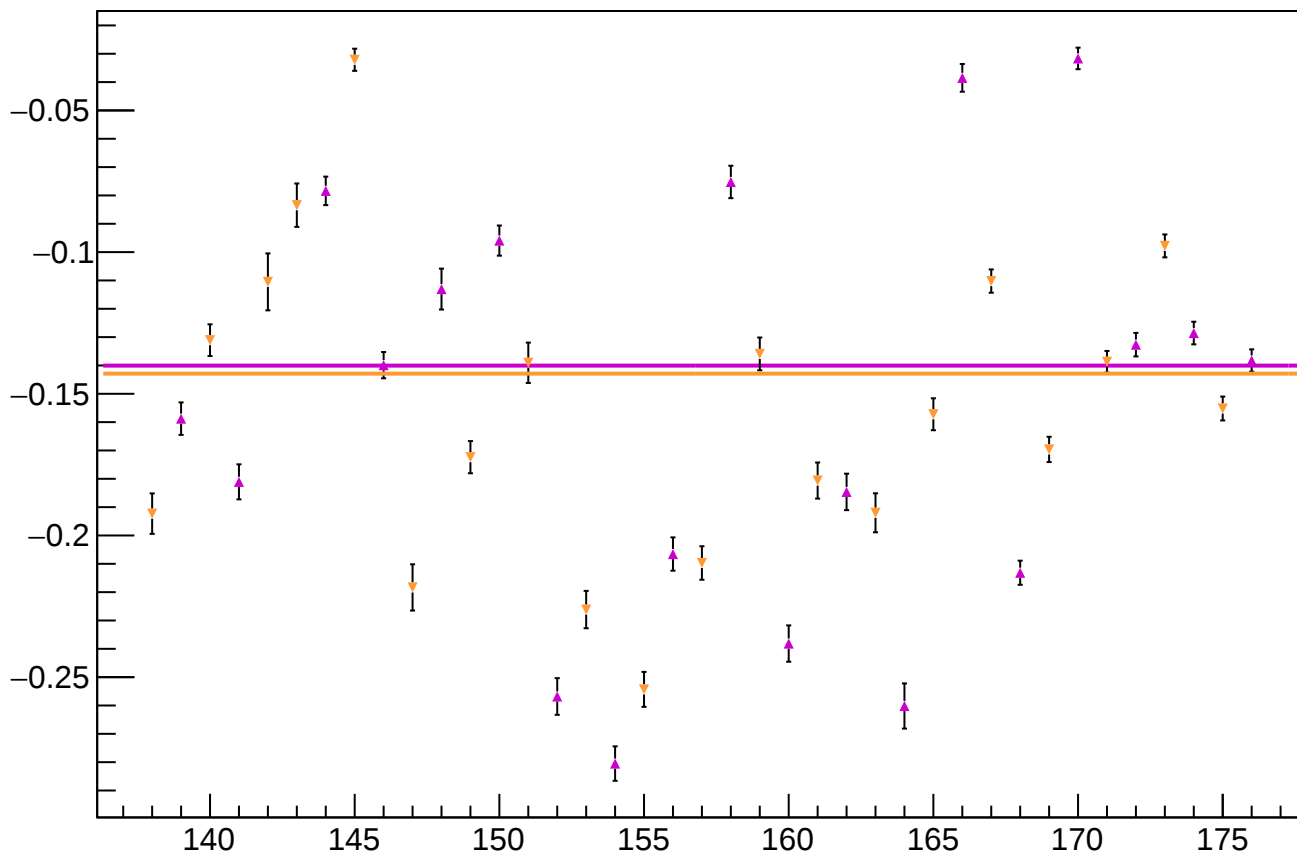
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 17.181+/-0.026 χ^2/NDF :32196.8/18

Out: 18.032+/-0.026 χ^2/NDF :36363.9/19

All: 17.603+/-0.018 χ^2/NDF : 69093.8/38

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.143 $\pm$ 0.001 χ^2 /NDF:1979.5/19

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

Left In: -0.140 $\pm$ 0.001 χ^2 /NDF:3465.3/18

Left: -0.141 $\pm$ 0.001 χ^2 /NDF: 5447.6/38

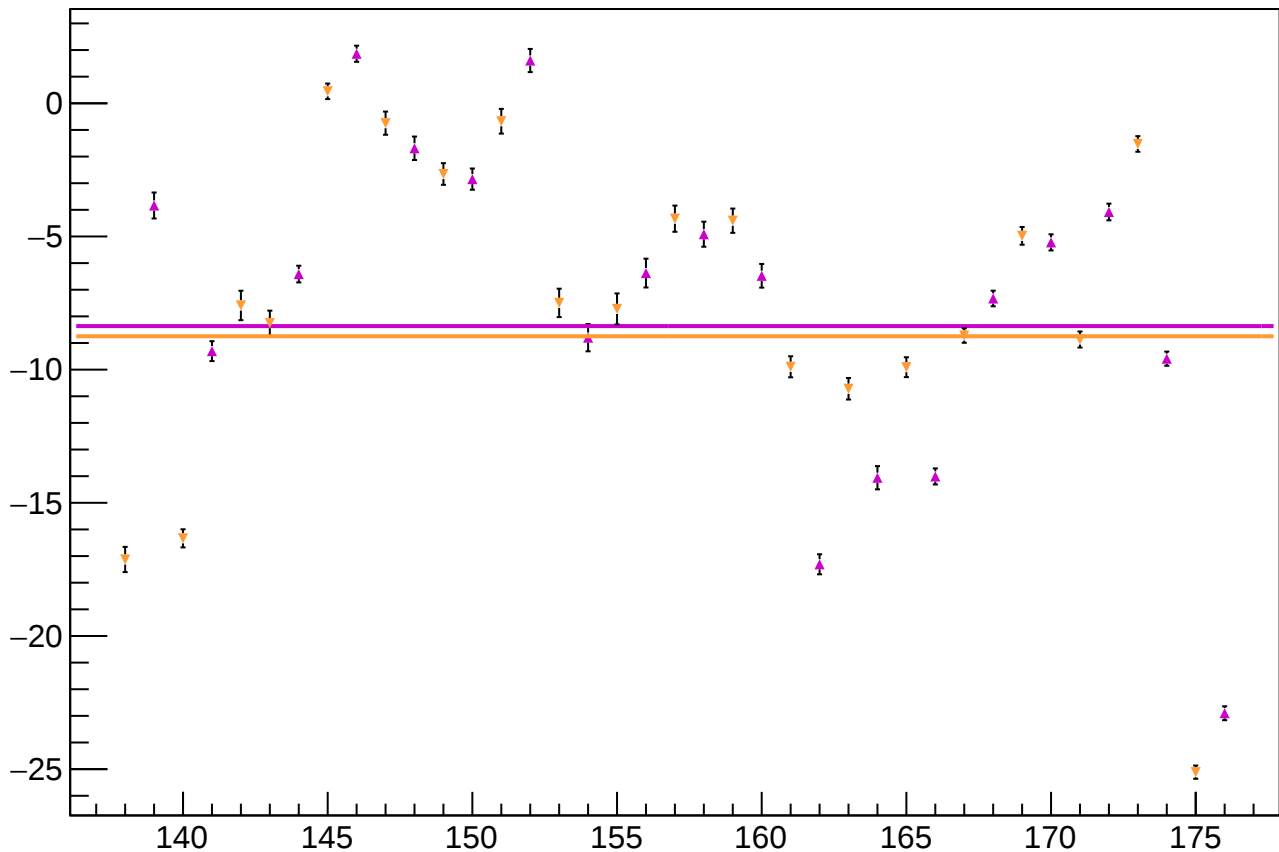
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.140 $\pm$ 0.001 χ^2 /NDF:3465.3/18

Out: -0.143 $\pm$ 0.001 χ^2 /NDF:1979.5/19

All: -0.141 $\pm$ 0.001 χ^2 /NDF: 5447.6/38

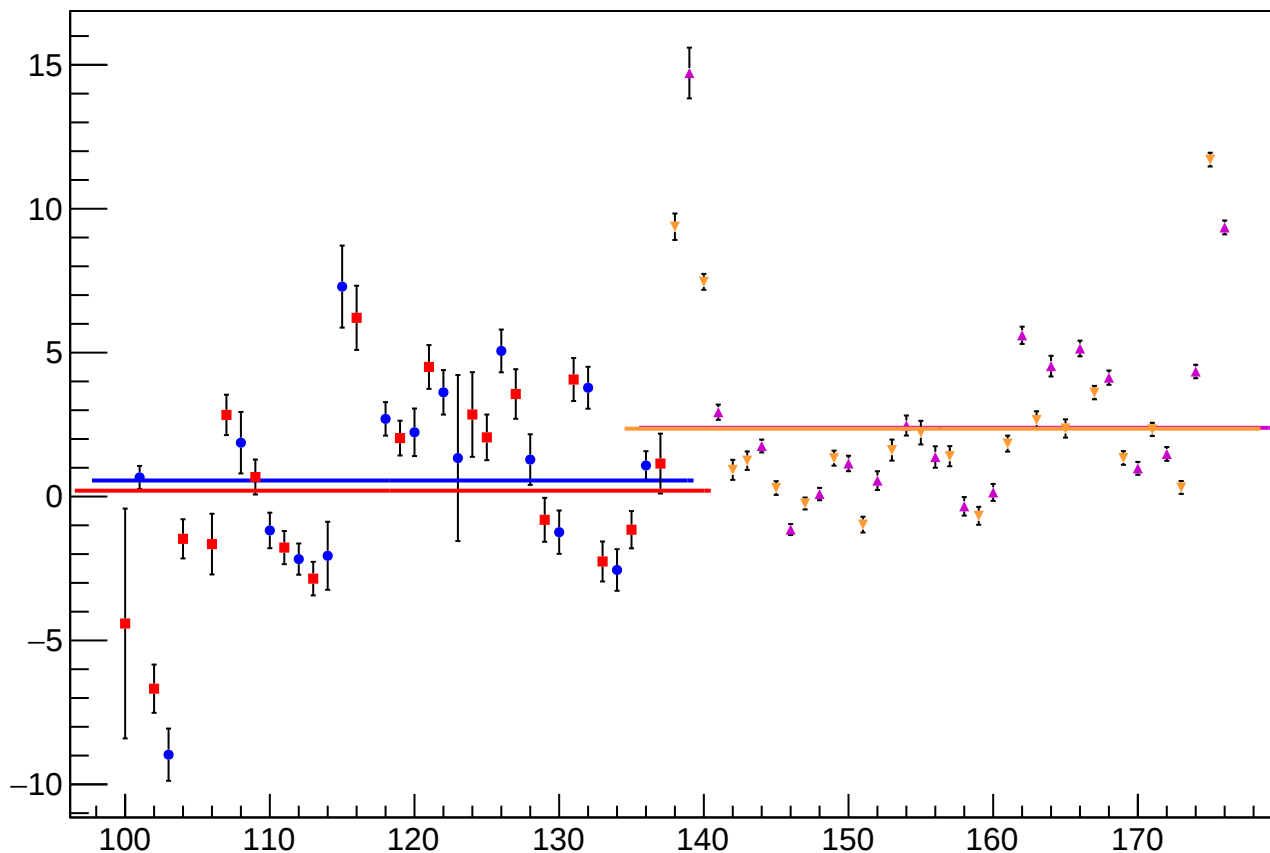
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.747+/-0.083 χ^2/NDF : 7942.6/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.365+/-0.081 χ^2/NDF : 6814.2/18

Left: -8.552+/-0.058 χ^2/NDF : 14767.6/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.365+/-0.081 χ^2/NDF : 6814.2/18
 Out: -8.747+/-0.083 χ^2/NDF : 7942.6/19
 All: -8.552+/-0.058 χ^2/NDF : 14767.6/38

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 2.358 ± 0.062 χ^2/NDF : 2767.3/19

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

Left In: 2.388 ± 0.061 χ^2/NDF : 2111.8/18

Left: 2.373 ± 0.044 χ^2/NDF : 4879.3/38

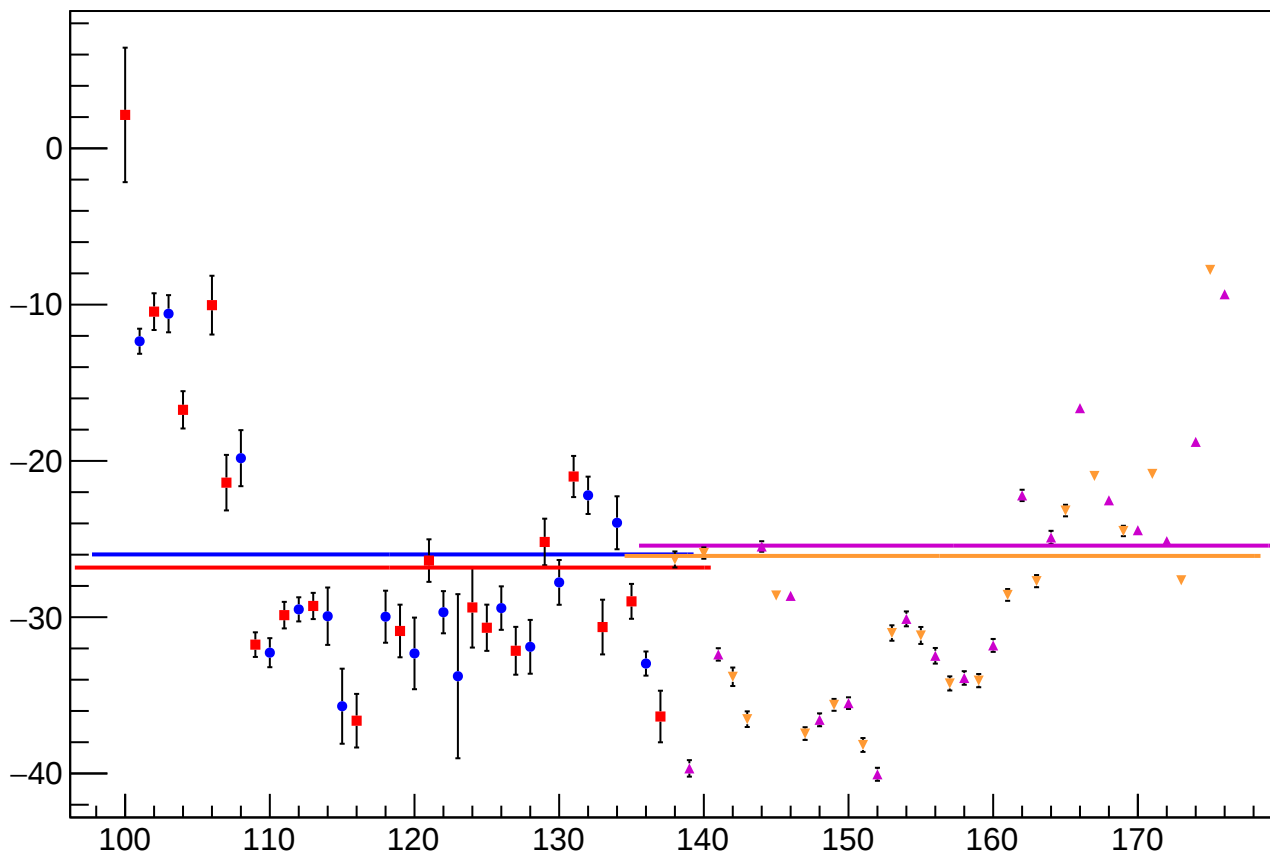
Right: 0.386 ± 0.122 χ^2/NDF : 562.1/35

In: 2.177 ± 0.058 χ^2/NDF : 2502.1/35

Out: 2.119 ± 0.058 χ^2/NDF : 3174.6/38

All: 2.148 ± 0.041 χ^2/NDF : 5677.3/74

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: -26.079 ± 0.083 χ^2/NDF : 9879.5/19

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

Left In: -25.421 ± 0.081 χ^2/NDF : 10174.2/18

Left: -25.743 ± 0.058 χ^2/NDF : 20085.8/38

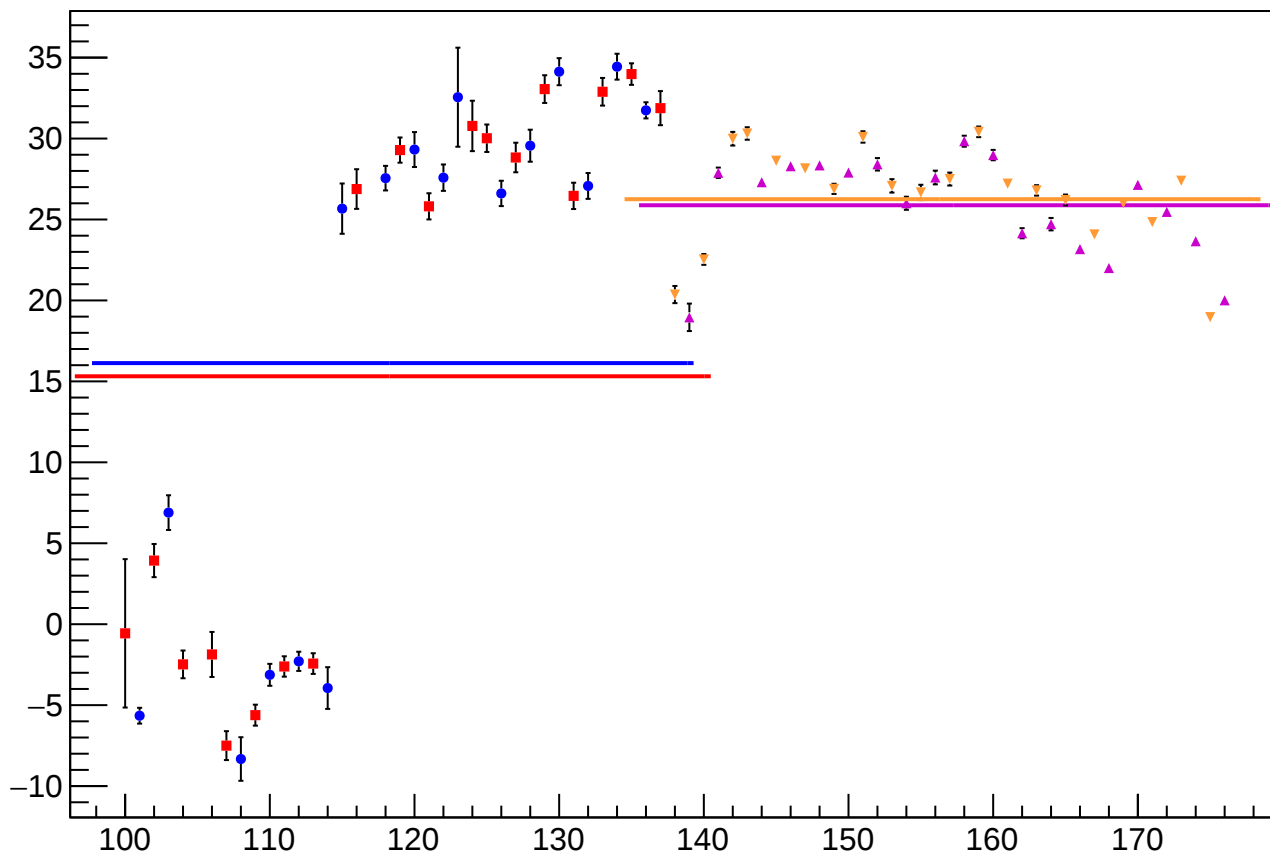
Right: -26.408 ± 0.211 χ^2/NDF : 1277.0/35

In: -25.459 ± 0.078 χ^2/NDF : 10869.0/35

Out: -26.133 ± 0.080 χ^2/NDF : 10466.9/38

All: -25.790 ± 0.056 χ^2/NDF : 21372.1/74

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: 26.254 $\pm$ 0.070 χ^2 /NDF:1834.0/19

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

Left In: 25.880 $\pm$ 0.070 χ^2 /NDF:1563.0/18

Left: 26.066 $\pm$ 0.050 χ^2 /NDF: 3411.2/38

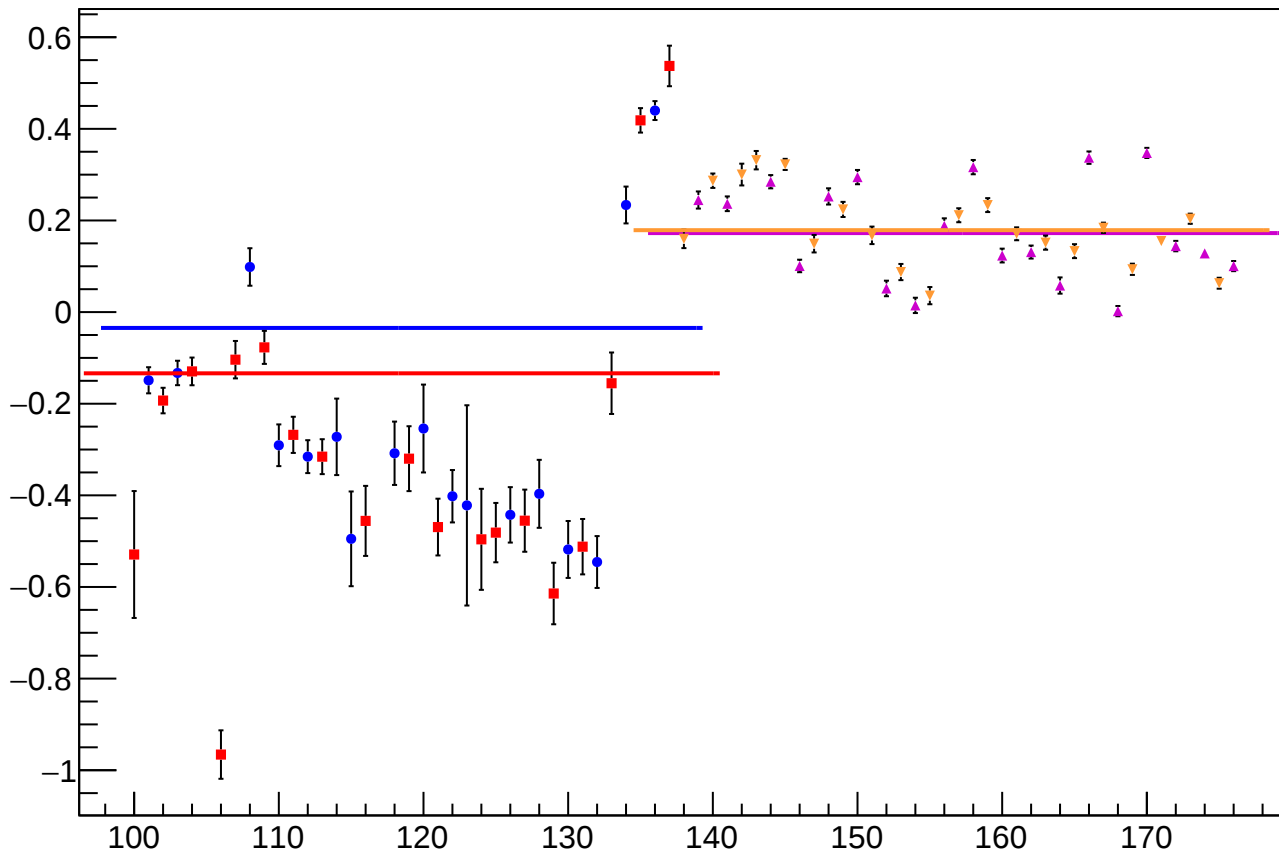
Right: 15.732 $\pm$ 0.138 χ^2 /NDF: 14859.4/35

In: 24.737 $\pm$ 0.066 χ^2 /NDF:11411.0/35

Out: 25.017 $\pm$ 0.066 χ^2 /NDF:11846.2/38

All: 24.876 $\pm$ 0.047 χ^2 /NDF: 23266.3/74

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: 0.179 ± 0.003 χ^2/NDF : 549.1/19

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

Left In: 0.172 ± 0.003 χ^2/NDF : 1182.8/18

Left: 0.176 ± 0.002 χ^2/NDF : 1733.8/38

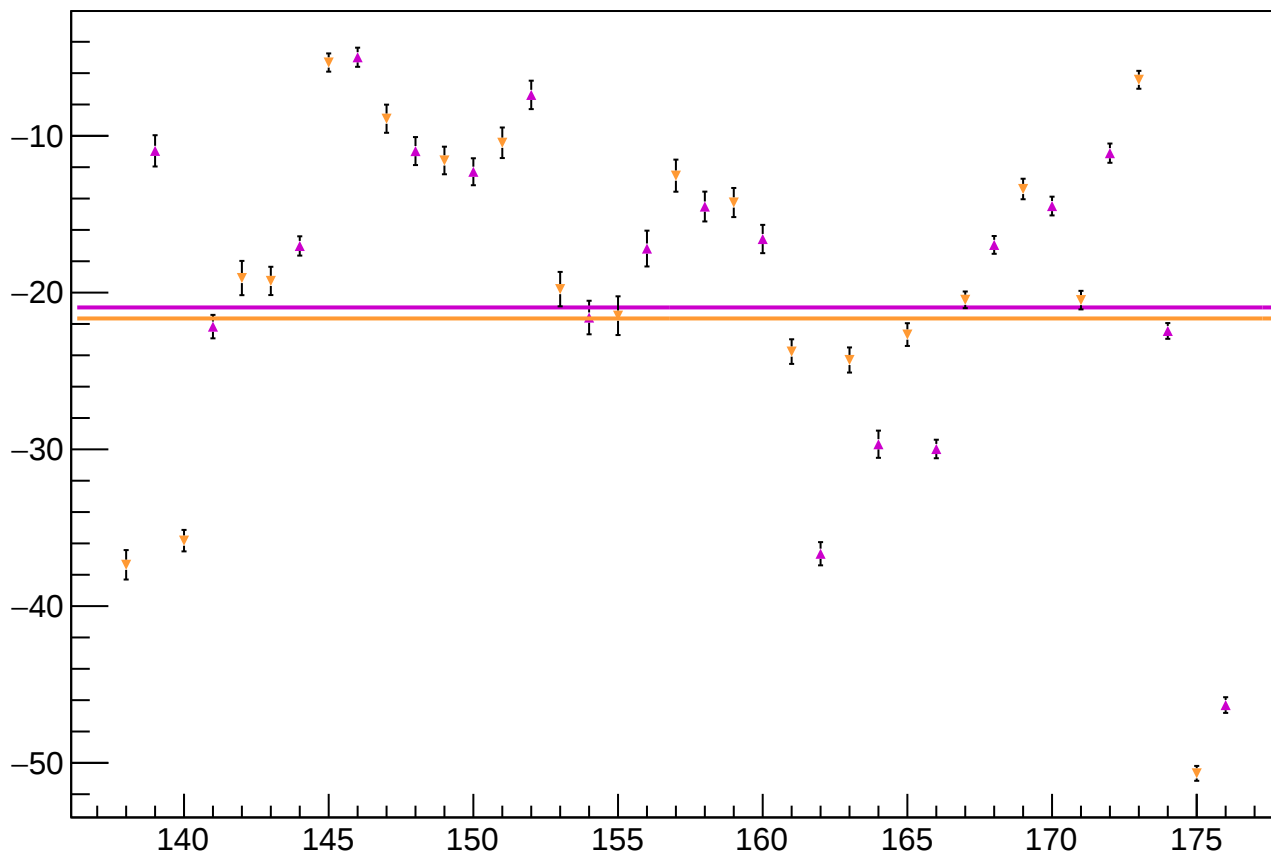
Right: -0.084 ± 0.007 χ^2/NDF : 2219.2/35

In: 0.154 ± 0.003 χ^2/NDF : 2560.9/35

Out: 0.151 ± 0.003 χ^2/NDF : 2535.9/38

All: 0.153 ± 0.002 χ^2/NDF : 5097.6/74

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: -21.650+/-0.165 χ^2/NDF : 6757.7/19

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

Left In: -20.947+/-0.161 χ^2/NDF : 5138.6/18

Left: -21.291+/-0.115 χ^2/NDF : 11905.6/38

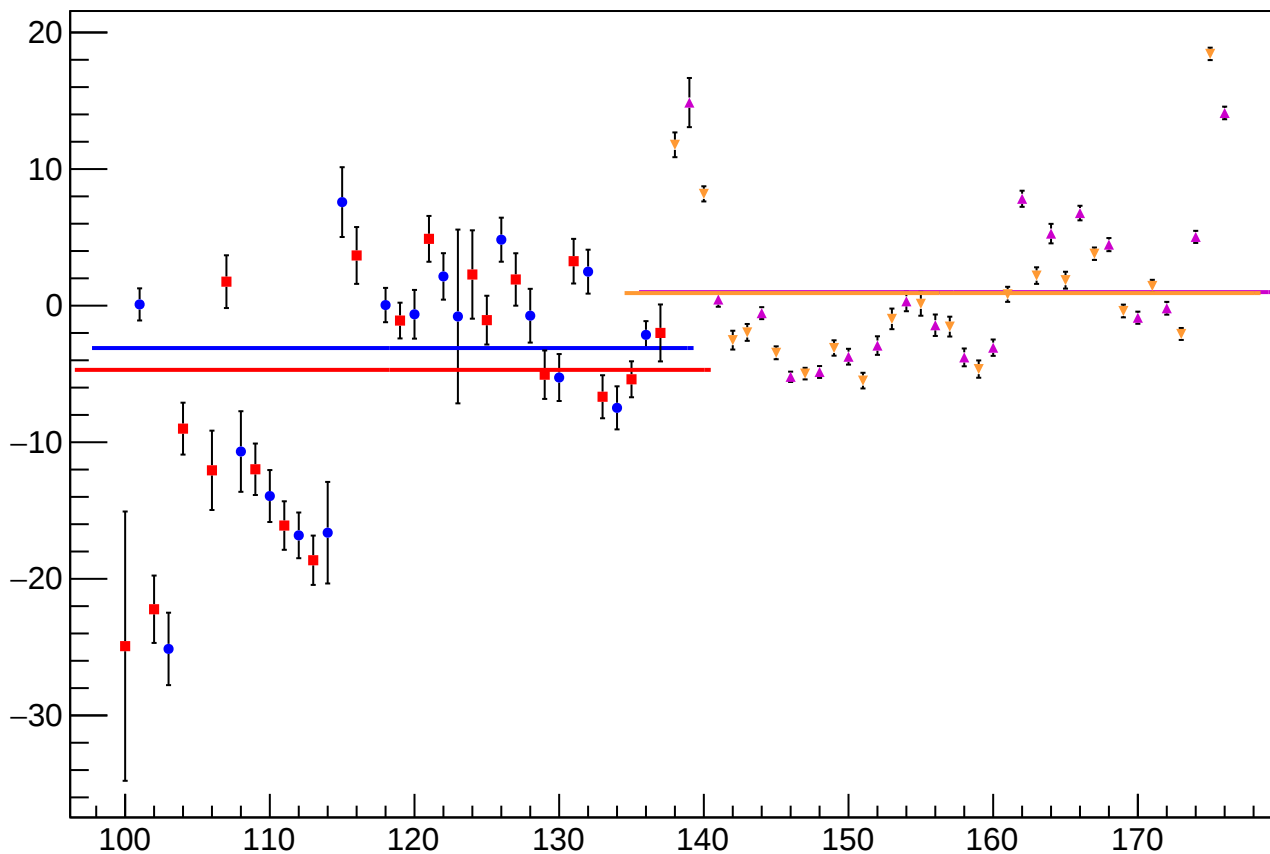
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -20.947+/-0.161 χ^2/NDF : 5138.6/18

Out: -21.650+/-0.165 χ^2/NDF : 6757.7/19

All: -21.291+/-0.115 χ^2/NDF : 11905.6/38

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: 0.920 ± 0.123 χ^2/NDF : 2493.9/19

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

Left In: 0.991 ± 0.122 χ^2/NDF : 1986.2/18

Left: 0.956 ± 0.087 χ^2/NDF : 4480.2/38

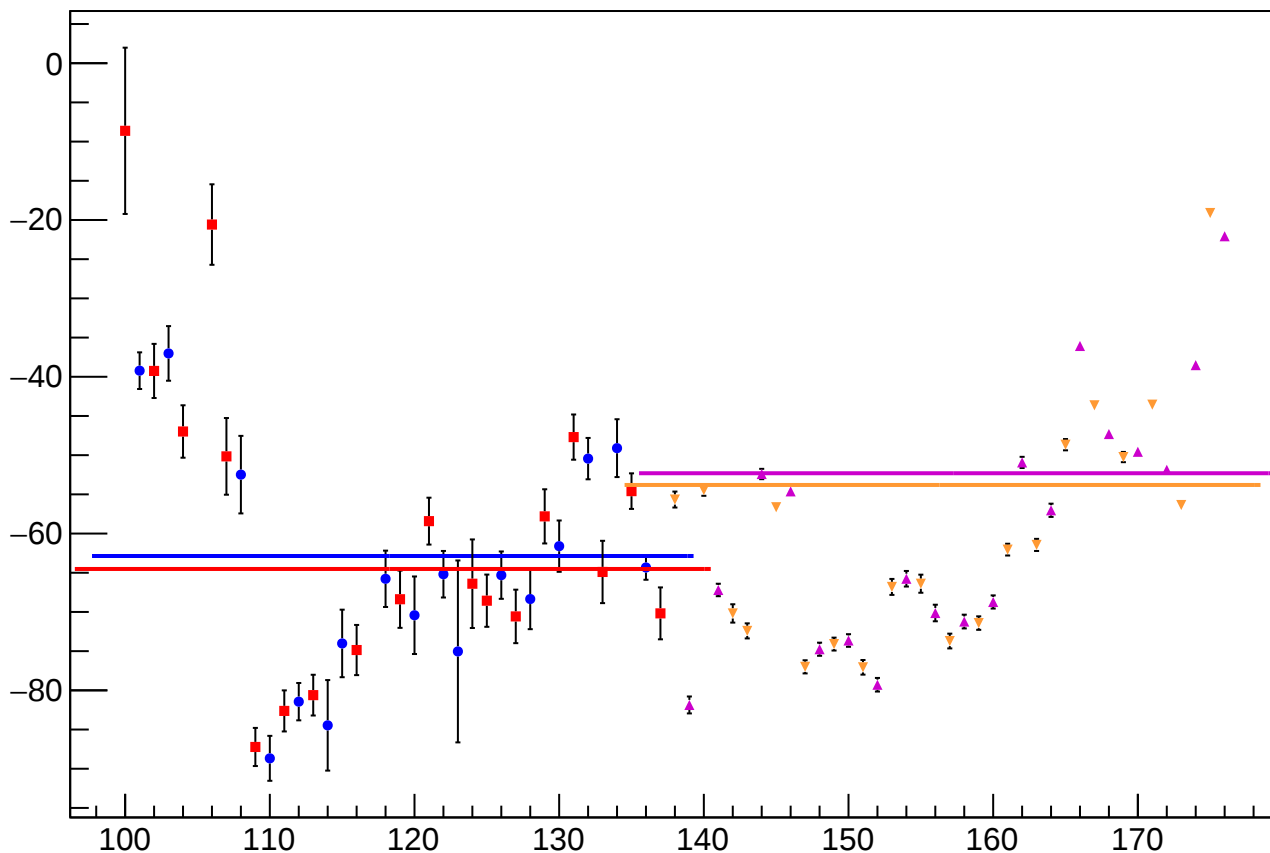
Right: -3.873 ± 0.296 χ^2/NDF : 584.0/35

In: 0.660 ± 0.117 χ^2/NDF : 2356.5/35

Out: 0.487 ± 0.118 χ^2/NDF : 2951.8/38

All: 0.574 ± 0.083 χ^2/NDF : 5309.4/74

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: -53.801 ± 0.165 χ^2/NDF : 10024.4/19

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

Left In: -52.305 ± 0.161 χ^2/NDF : 10030.7/18

Left: -53.035 ± 0.115 χ^2/NDF : 20097.0/38

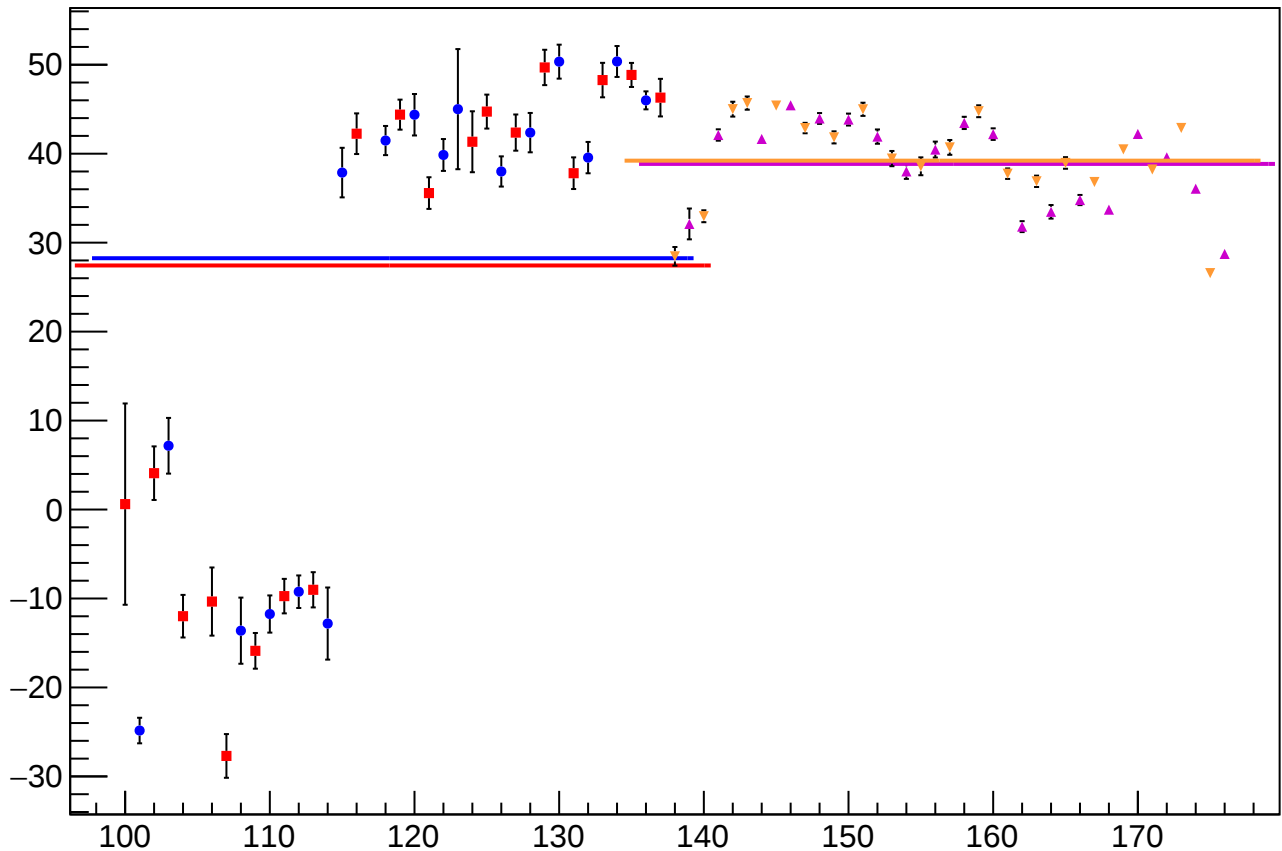
Right: -63.677 ± 0.528 χ^2/NDF : 815.4/35

In: -52.783 ± 0.158 χ^2/NDF : 10593.4/35

Out: -54.294 ± 0.161 χ^2/NDF : 10662.5/38

All: -53.521 ± 0.113 χ^2/NDF : 21300.7/74

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250 ± 0.460 $\chi^2/\text{NDF}: 3319.5/16$

Left Out: 39.216 ± 0.140 $\chi^2/\text{NDF}: 1444.7/19$

Right Out: 27.435 ± 0.479 $\chi^2/\text{NDF}: 3032.4/18$

Left In: 38.851 ± 0.139 $\chi^2/\text{NDF}: 1295.4/18$

Left: 39.032 ± 0.099 $\chi^2/\text{NDF}: 2743.5/38$

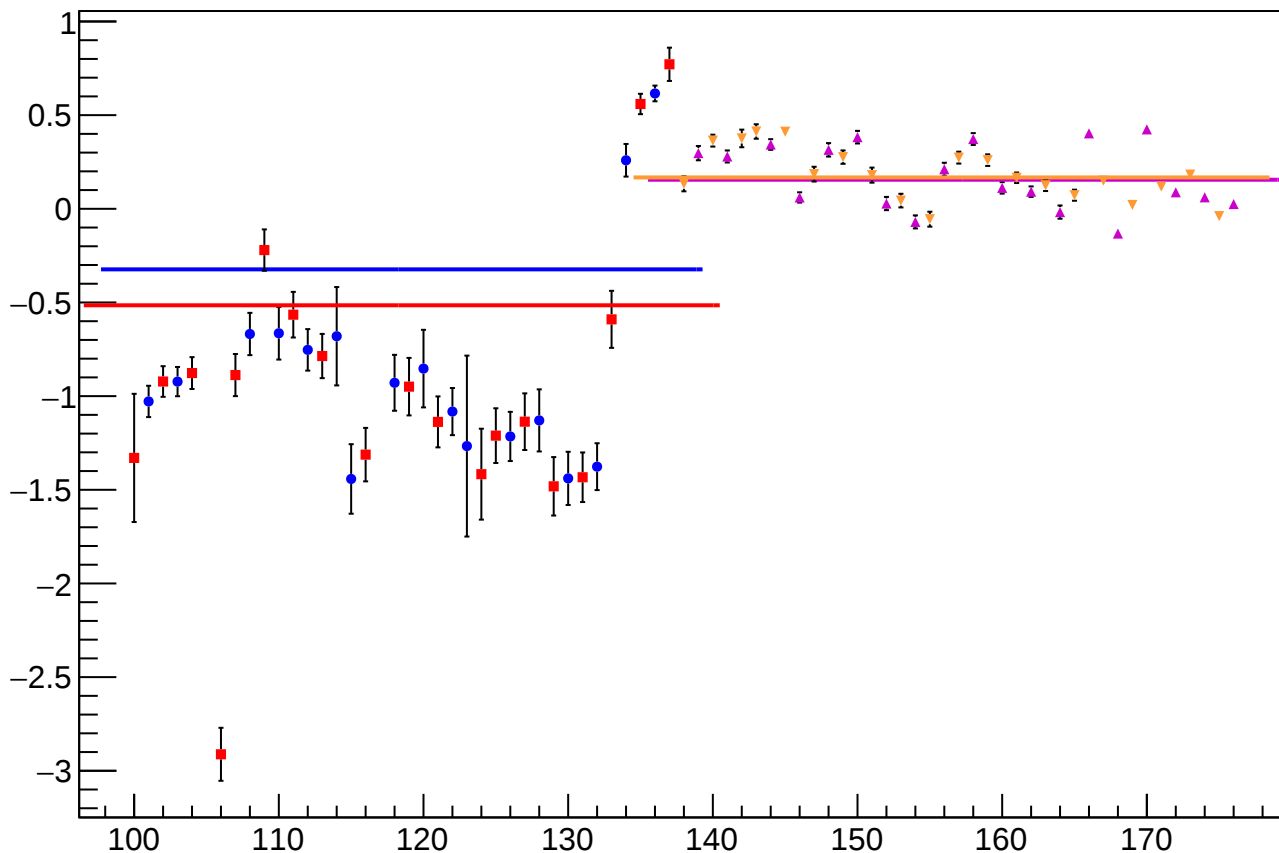
Right: 27.859 ± 0.332 $\chi^2/\text{NDF}: 6353.5/35$

In: 37.965 ± 0.133 $\chi^2/\text{NDF}: 5101.4/35$

Out: 38.286 ± 0.135 $\chi^2/\text{NDF}: 5034.8/38$

All: 38.124 ± 0.095 $\chi^2/\text{NDF}: 10139.0/74$

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323±/0.025 χ^2/NDF : 1010.8/16

Left Out: 0.167±/0.007 χ^2/NDF :410.8/19

Right Out: -0.515±/0.026 χ^2/NDF : 1160.9/18

Left In: 0.155±/0.006 χ^2/NDF :767.1/18

Left: 0.161±/0.005 χ^2/NDF : 1179.7/38

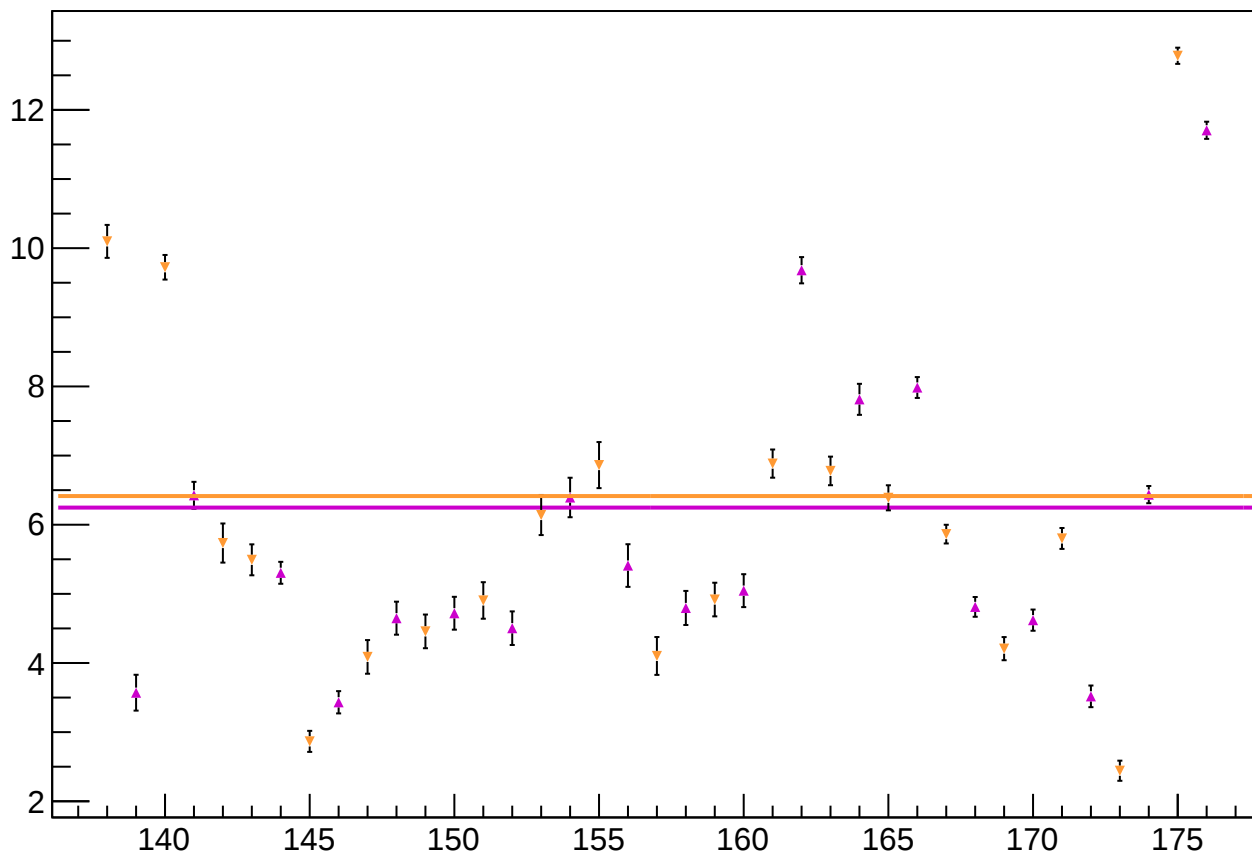
Right: -0.416±/0.018 χ^2/NDF : 2200.2/35

In: 0.126±/0.006 χ^2/NDF :2123.2/35

Out: 0.126±/0.006 χ^2/NDF :2231.5/38

All: 0.126±/0.004 χ^2/NDF : 4354.7/74

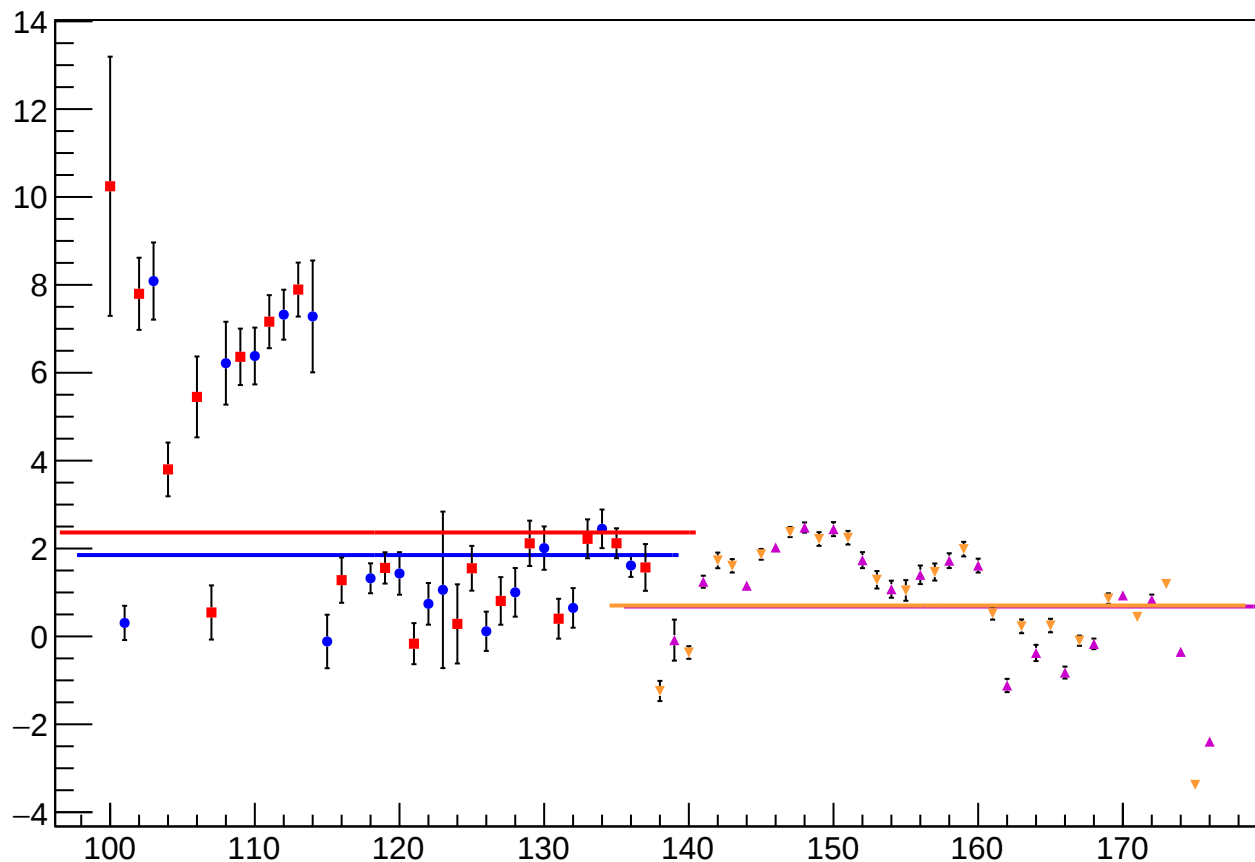
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 6.415 $\pm$ 0.042 χ^2/NDF :5366.8/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 6.248 $\pm$ 0.041 χ^2/NDF :3613.4/18

Left: 6.329 $\pm$ 0.030 χ^2/NDF : 8988.1/38
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 6.248 $\pm$ 0.041 χ^2/NDF :3613.4/18
 Out: 6.415 $\pm$ 0.042 χ^2/NDF :5366.8/19
 All: 6.329 $\pm$ 0.030 χ^2/NDF : 8988.1/38

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: 0.703 ± 0.032 χ^2/NDF : 2188.2/19

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

Left In: 0.680 ± 0.031 χ^2/NDF : 1870.6/18

Left: 0.691 ± 0.022 χ^2/NDF : 4059.1/38

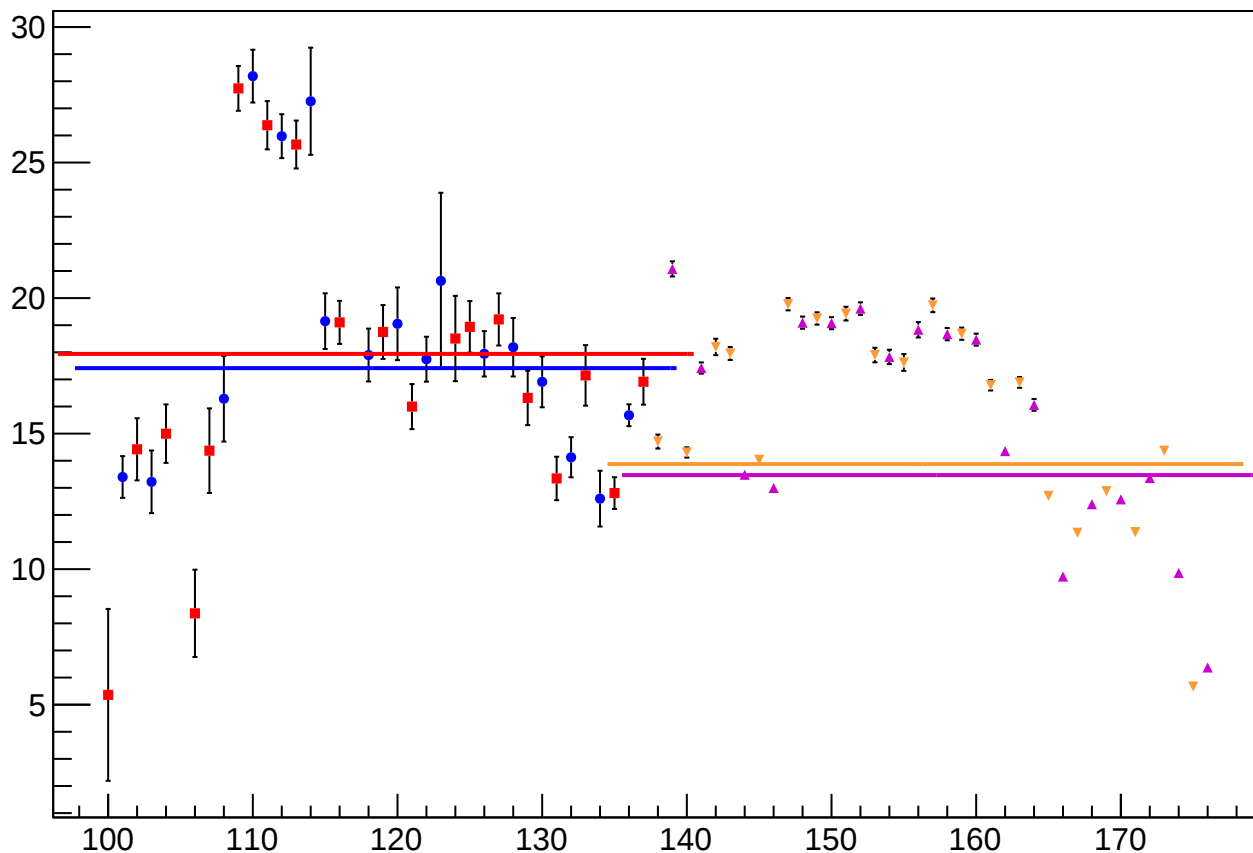
Right: 2.097 ± 0.085 χ^2/NDF : 639.6/35

In: 0.759 ± 0.030 χ^2/NDF : 2258.0/35

Out: 0.809 ± 0.031 χ^2/NDF : 2696.7/38

All: 0.783 ± 0.022 χ^2/NDF : 4956.0/74

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: 13.877 $\pm$ 0.043 χ^2 /NDF:9618.7/19

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

Left In: 13.471 $\pm$ 0.041 χ^2 /NDF:9622.5/18

Left: 13.669 $\pm$ 0.030 χ^2 /NDF: 19287.8/38

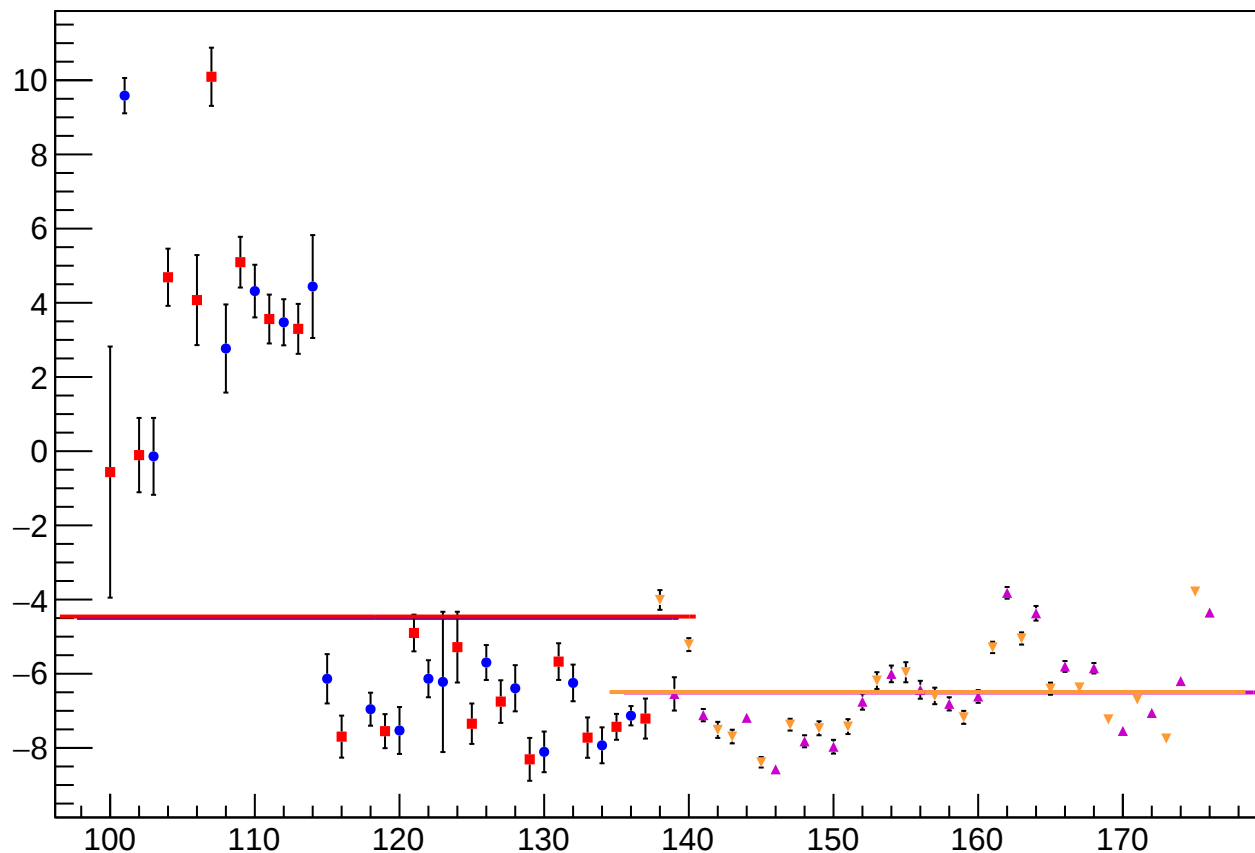
Right: 17.671 $\pm$ 0.153 χ^2 /NDF: 875.6/35

In: 13.616 $\pm$ 0.041 χ^2 /NDF:10321.3/35

Out: 14.024 $\pm$ 0.042 χ^2 /NDF:10455.7/38

All: 13.815 $\pm$ 0.029 χ^2 /NDF: 20826.2/74

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 $\chi^2/\text{NDF}: 1585.4/16$

Left Out: -6.494 ± 0.036 $\chi^2/\text{NDF}: 1292.5/19$

Right Out: -4.458 ± 0.137 $\chi^2/\text{NDF}: 1338.9/18$

Left In: -6.505 ± 0.036 $\chi^2/\text{NDF}: 1308.9/18$

Left: -6.499 ± 0.025 $\chi^2/\text{NDF}: 2601.4/38$

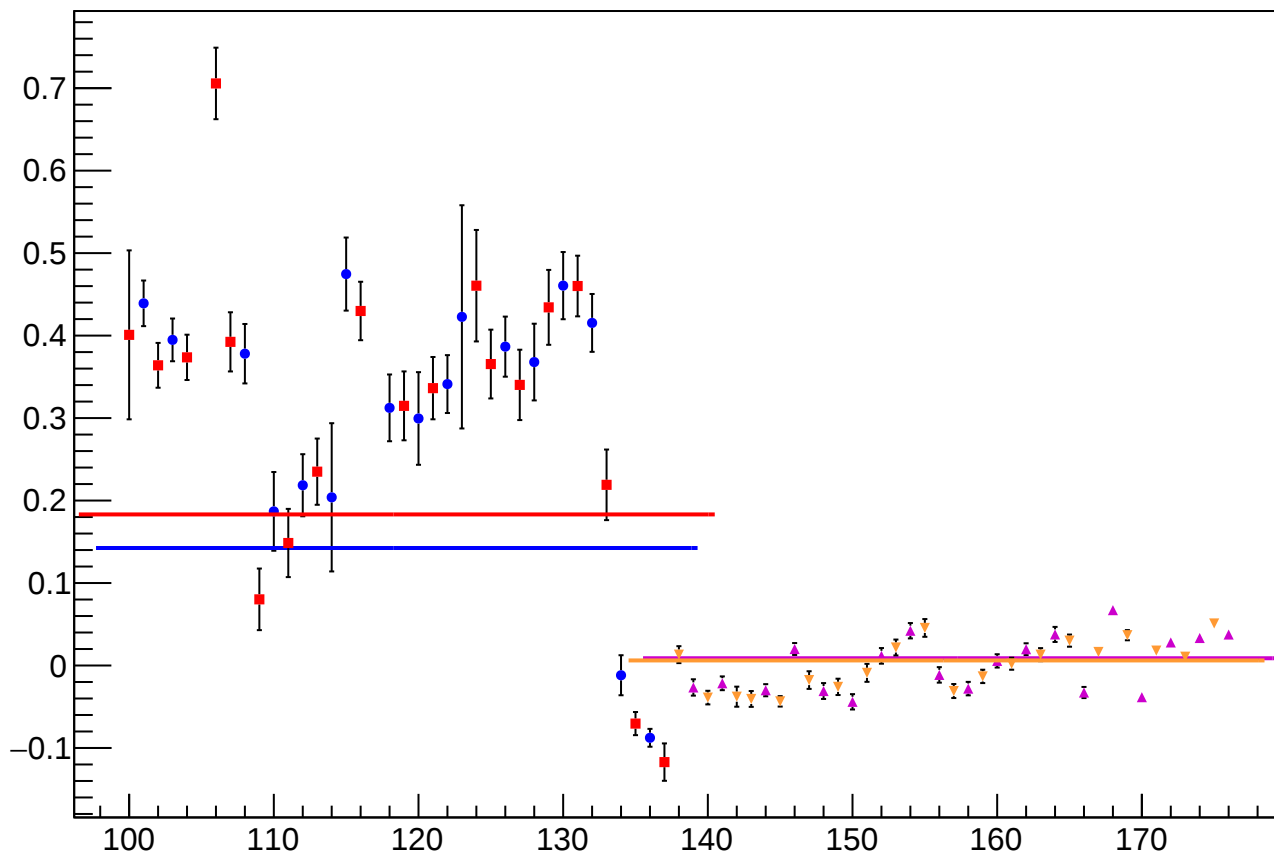
Right: -4.476 ± 0.094 $\chi^2/\text{NDF}: 2924.4/35$

In: -6.364 ± 0.035 $\chi^2/\text{NDF}: 3115.8/35$

Out: -6.361 ± 0.035 $\chi^2/\text{NDF}: 2837.8/38$

All: -6.362 ± 0.025 $\chi^2/\text{NDF}: 5953.6/74$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1058.8/16

Left Out: 0.006 $\pm$ 0.002 χ^2 /NDF:294.8/19

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 1000.9/18

Left In: 0.009 $\pm$ 0.002 χ^2 /NDF:443.7/18

Left: 0.008 $\pm$ 0.001 χ^2 /NDF: 739.8/38

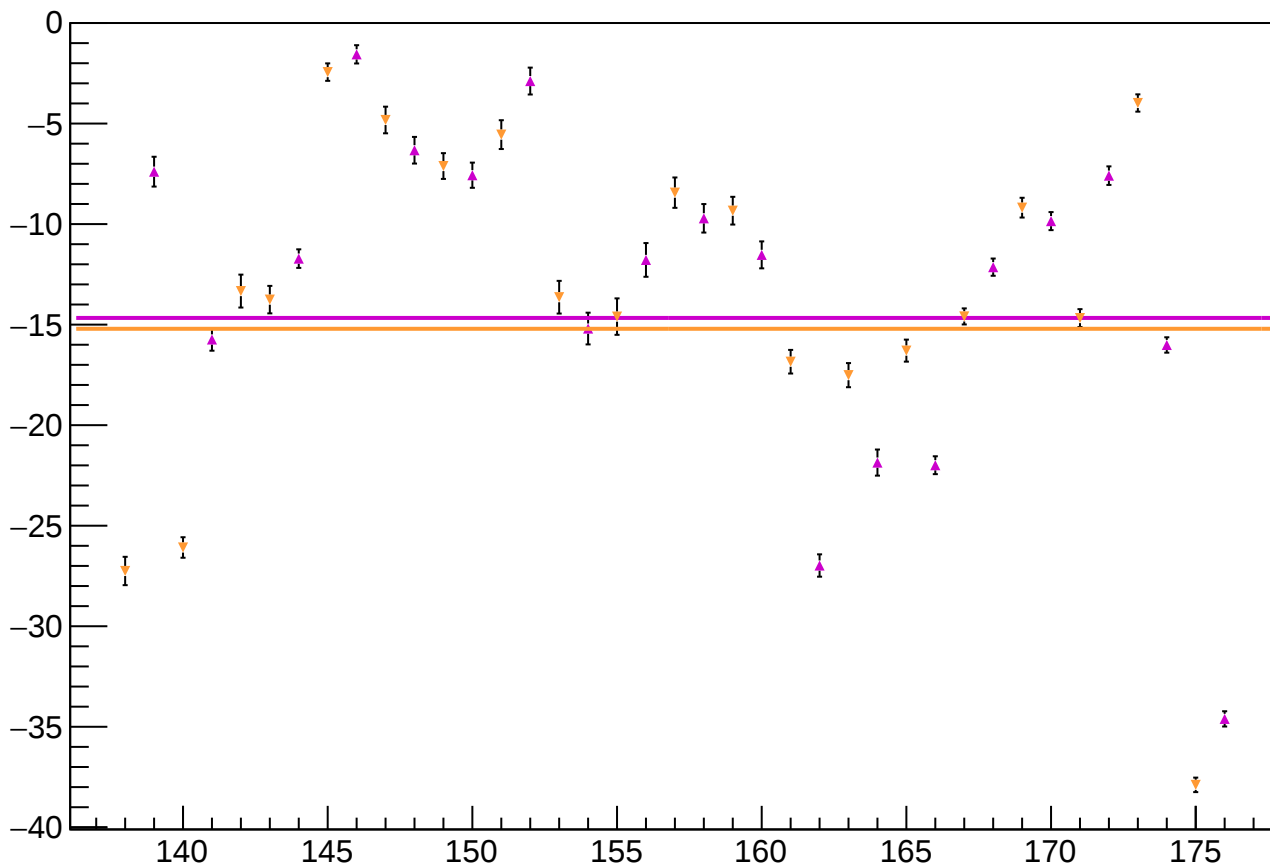
Right: 0.162 $\pm$ 0.005 χ^2 /NDF: 2075.4/35

In: 0.016 $\pm$ 0.002 χ^2 /NDF:1841.9/35

Out: 0.015 $\pm$ 0.002 χ^2 /NDF:1838.7/38

All: 0.015 $\pm$ 0.001 χ^2 /NDF: 3680.8/74

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: -15.207+/-0.123 χ^2/NDF : 7185.7/19

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

Left In: -14.667+/-0.121 χ^2/NDF : 5695.6/18

Left: -14.931+/-0.086 χ^2/NDF : 12891.0/38

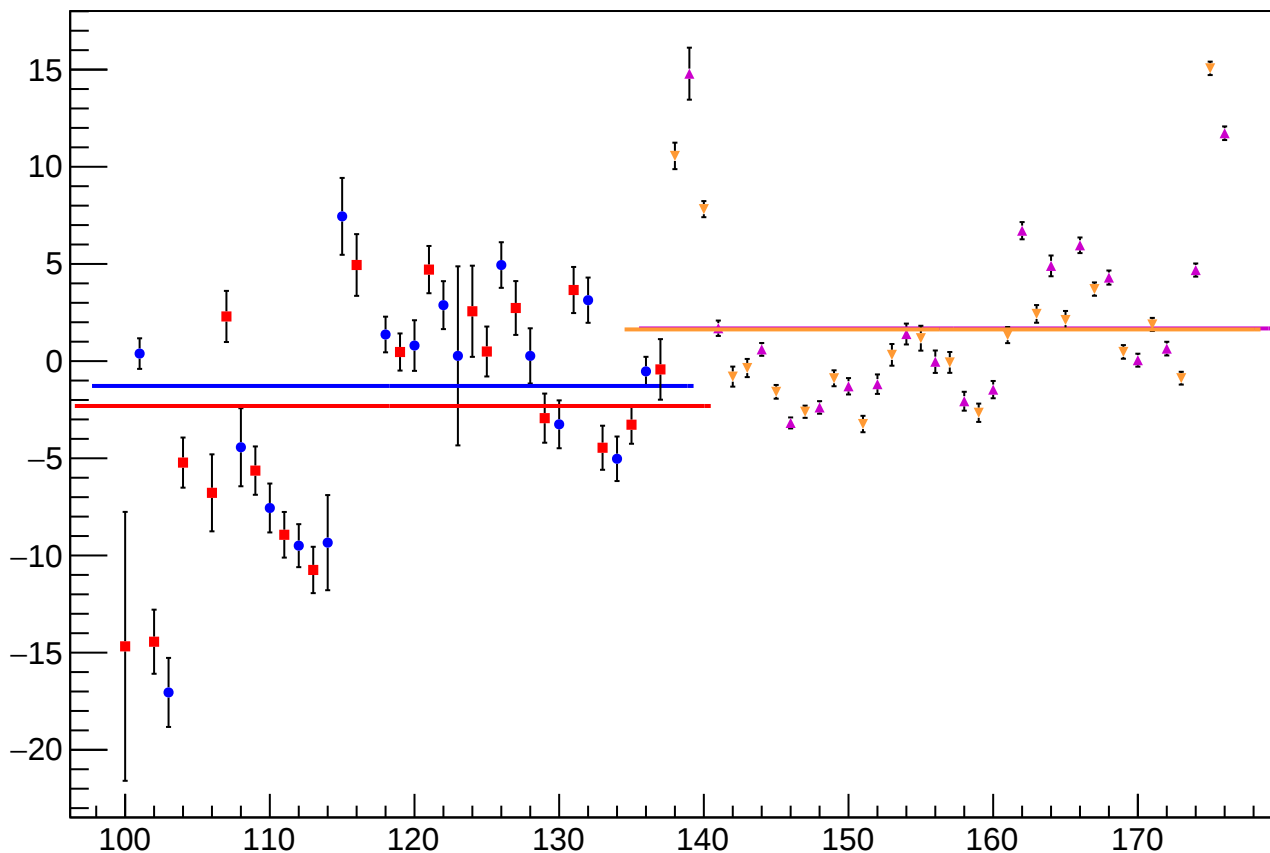
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.667+/-0.121 χ^2/NDF : 5695.6/18

Out: -15.207+/-0.123 χ^2/NDF : 7185.7/19

All: -14.931+/-0.086 χ^2/NDF : 12891.0/38

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: 1.631+/-0.092 χ^2/NDF :2589.5/19

Right Out: -2.309+/-0.302 χ^2/NDF : 285.3/18

Left In: 1.681+/-0.091 χ^2/NDF :2025.9/18

Left: 1.656+/-0.065 χ^2/NDF : 4615.6/38

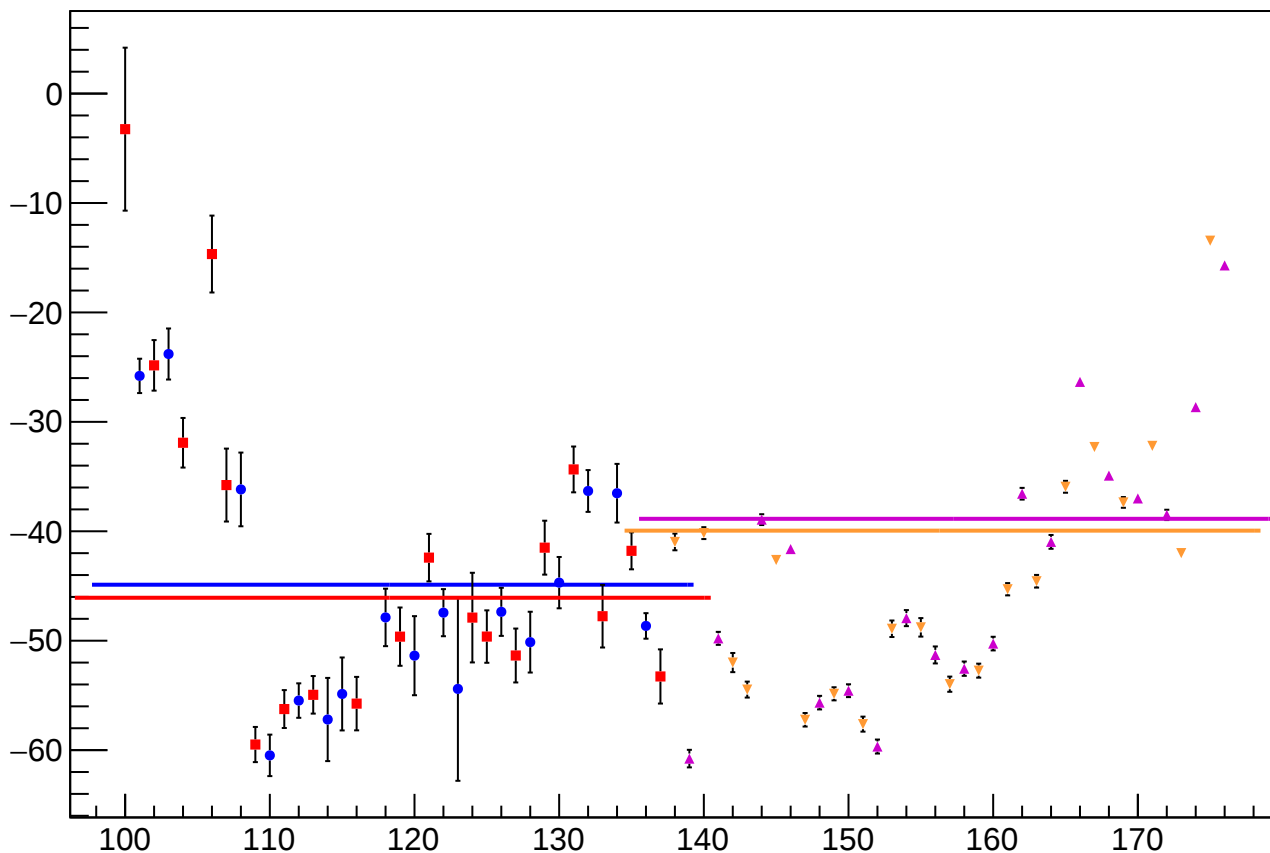
Right: -1.776+/-0.210 χ^2/NDF : 567.8/35

In: 1.419+/-0.087 χ^2/NDF :2395.8/35

Out: 1.296+/-0.088 χ^2/NDF :3030.2/38

All: 1.358+/-0.062 χ^2/NDF : 5427.0/74

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16
 Left Out: -39.942 ± 0.124 χ^2/NDF : 10037.1/19
 Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18
 Left In: -38.861 ± 0.121 χ^2/NDF : 10109.4/18

Left: -39.389 ± 0.086 χ^2/NDF : 20185.6/38

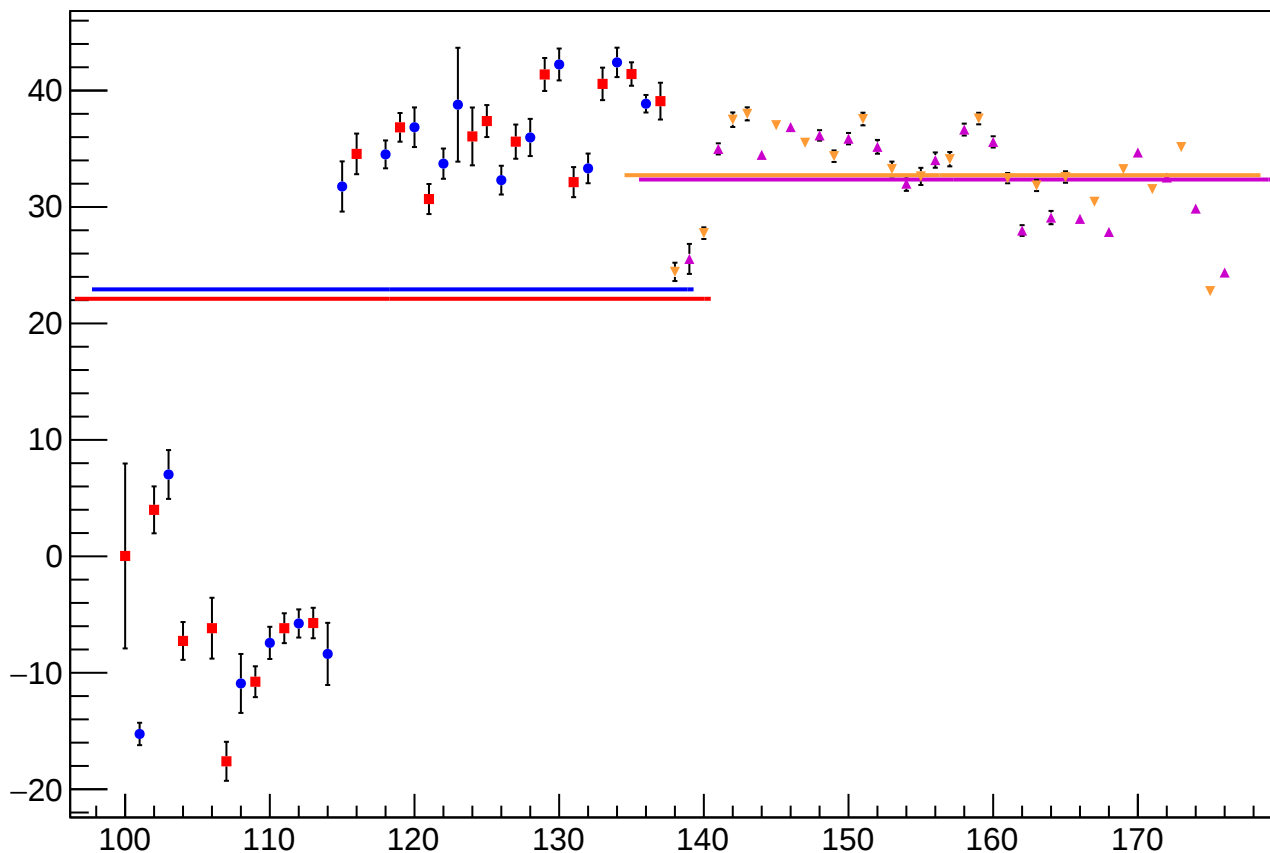
Right: -45.474 ± 0.372 χ^2/NDF : 877.8/35

In: -39.164 ± 0.118 χ^2/NDF : 10655.6/35

Out: -40.259 ± 0.120 χ^2/NDF : 10619.0/38

All: -39.700 ± 0.084 χ^2/NDF : 21316.9/74

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: 32.732 $\pm$ 0.105 χ^2 /NDF:1548.7/19

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

Left In: 32.359 $\pm$ 0.104 χ^2 /NDF:1352.6/18

Left: 32.544 $\pm$ 0.074 χ^2 /NDF: 2907.7/38

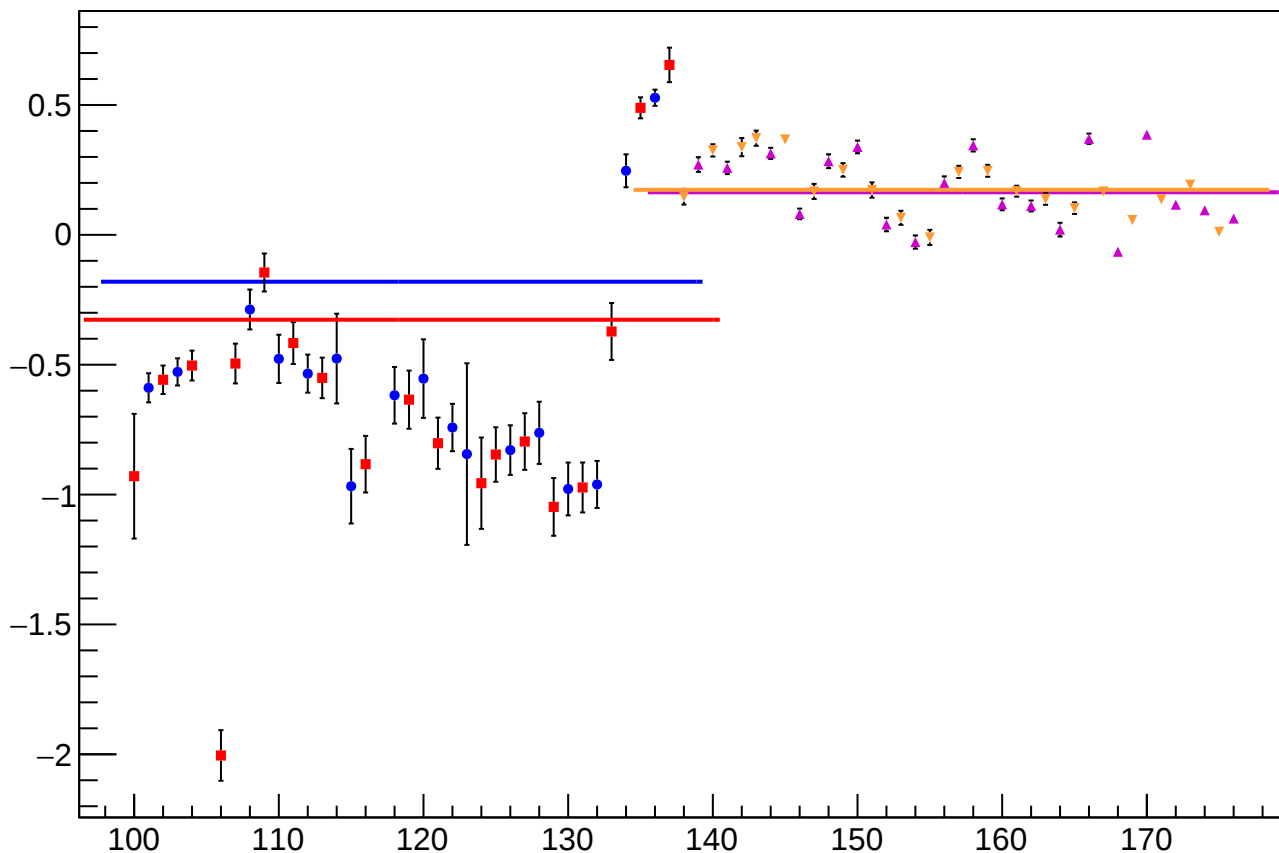
Right: 22.536 $\pm$ 0.236 χ^2 /NDF: 8366.6/35

In: 31.497 $\pm$ 0.099 χ^2 /NDF:6434.1/35

Out: 31.810 $\pm$ 0.100 χ^2 /NDF:6472.4/38

All: 31.652 $\pm$ 0.070 χ^2 /NDF: 12911.4/74

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: 0.173 ± 0.005 χ^2/NDF : 455.4/19

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

Left In: 0.164 ± 0.005 χ^2/NDF : 898.7/18

Left: 0.169 ± 0.003 χ^2/NDF : 1356.0/38

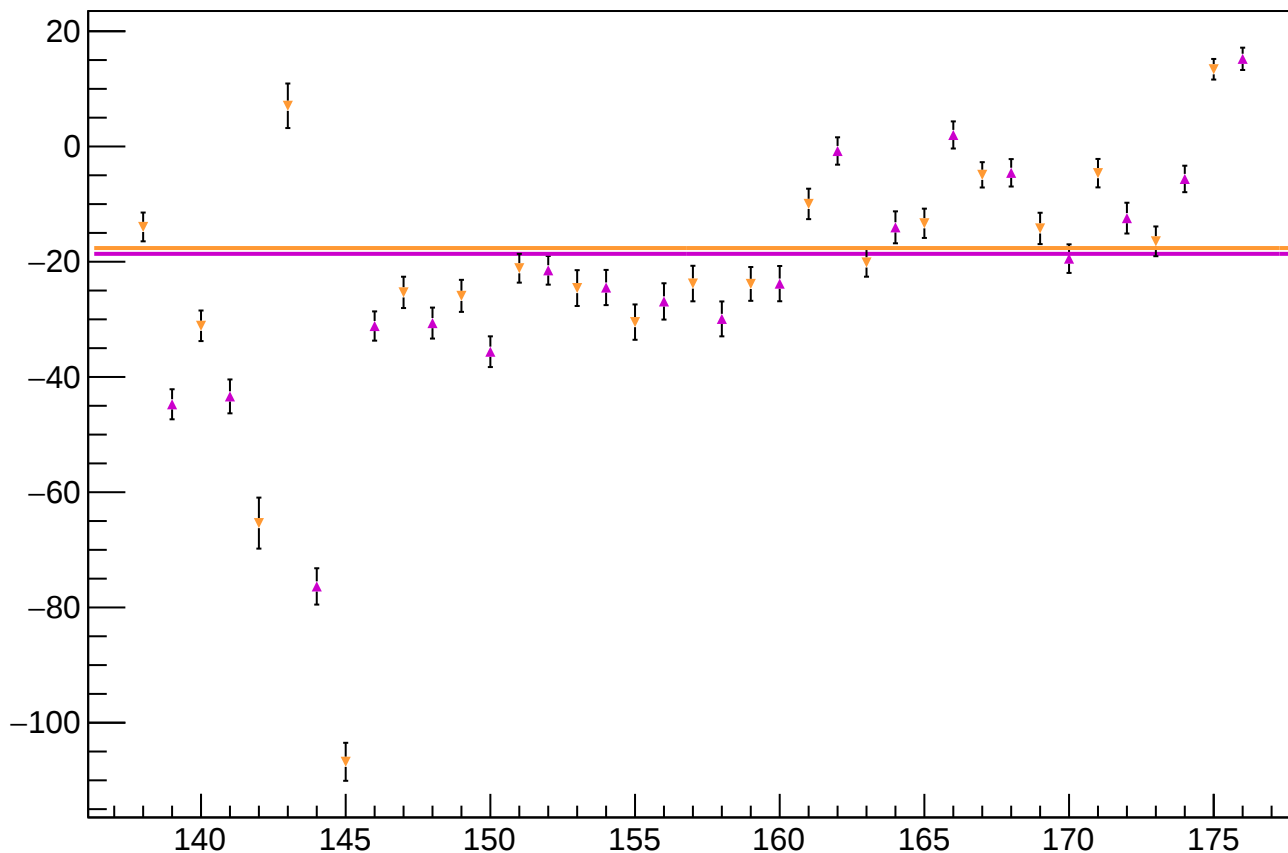
Right: -0.252 ± 0.013 χ^2/NDF : 2204.4/35

In: 0.141 ± 0.005 χ^2/NDF : 2245.0/35

Out: 0.140 ± 0.005 χ^2/NDF : 2335.7/38

All: 0.140 ± 0.003 χ^2/NDF : 4580.7/74

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.625+/-0.598 χ^2/NDF :1342.9/19

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

Left In: -18.632+/-0.597 χ^2/NDF :1134.0/18

Left: -18.129+/-0.422 χ^2/NDF : 2478.3/38

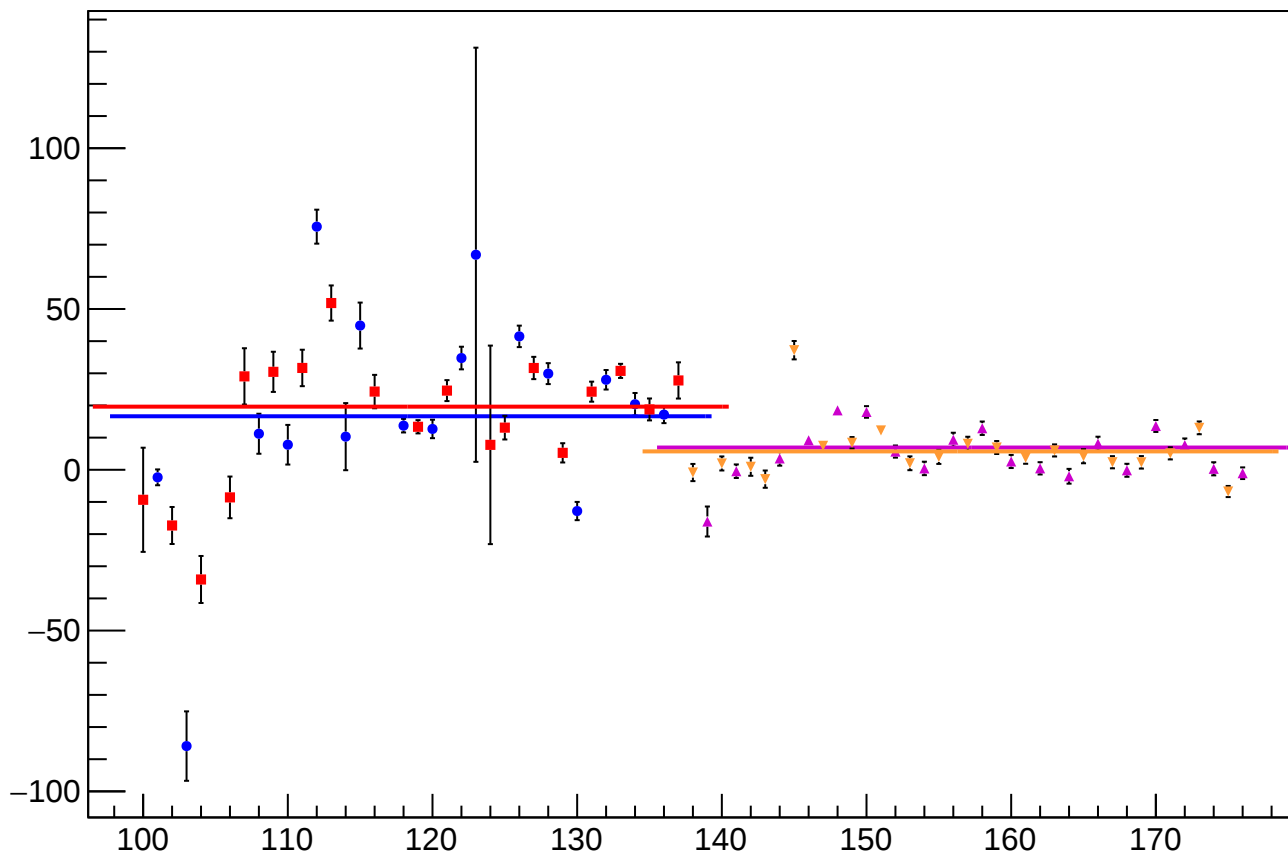
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.632+/-0.597 χ^2/NDF :1134.0/18

Out: -17.625+/-0.598 χ^2/NDF :1342.9/19

All: -18.129+/-0.422 χ^2/NDF : 2478.3/38

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 $\pm$ 0.859 χ^2 /NDF: 518.9/16

Left Out: 5.715 $\pm$ 0.438 χ^2 /NDF: 247.2/19

Right Out: 19.632 $\pm$ 0.896 χ^2 /NDF: 241.7/18

Left In: 6.918 $\pm$ 0.447 χ^2 /NDF: 263.4/18

Left: 6.304 $\pm$ 0.313 χ^2 /NDF: 514.2/38

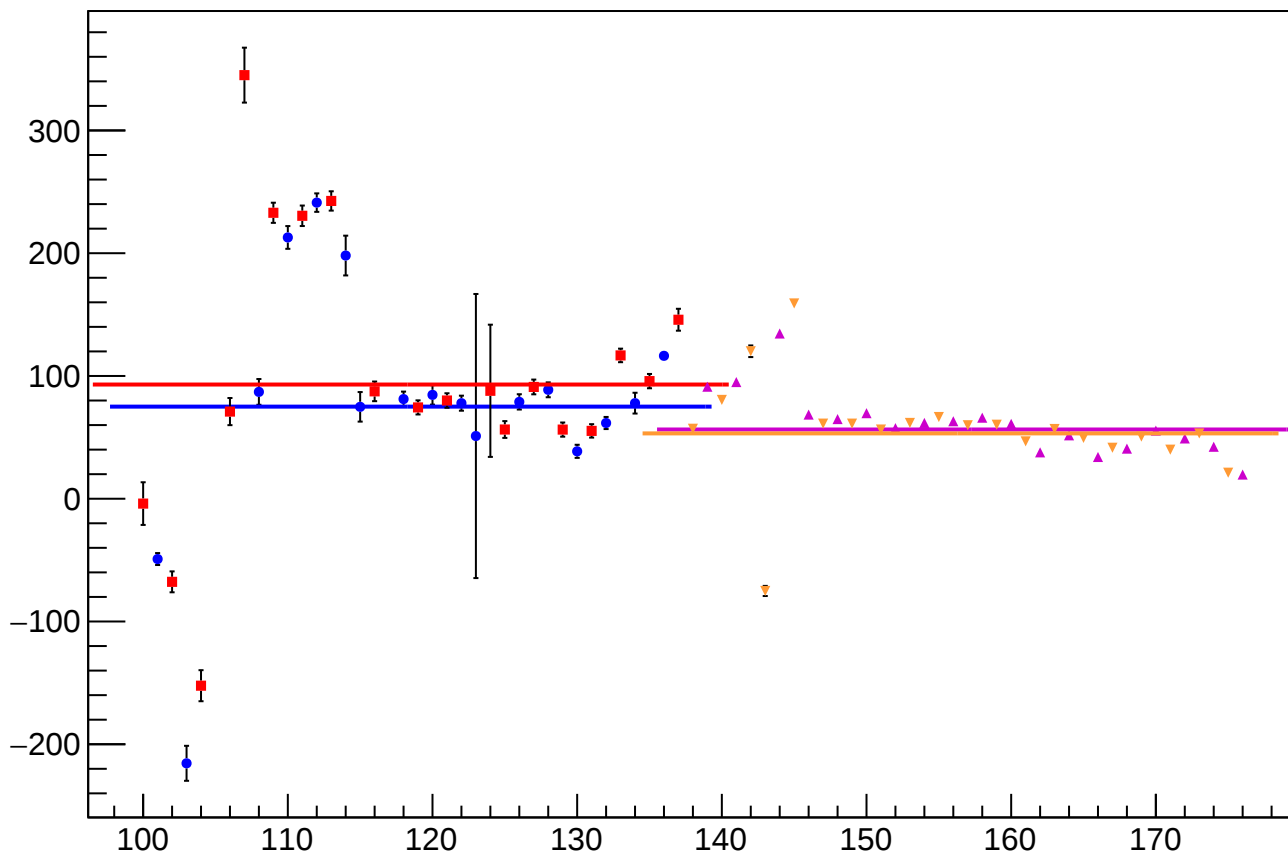
Right: 18.072 $\pm$ 0.620 χ^2 /NDF: 766.4/35

In: 8.991 $\pm$ 0.397 χ^2 /NDF: 883.1/35

Out: 8.397 $\pm$ 0.393 χ^2 /NDF: 683.5/38

All: 8.692 $\pm$ 0.279 χ^2 /NDF: 1567.8/74

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 53.218 $\pm$ 0.591 χ^2 /NDF: 2671.2/19

Right Out: 93.028 $\pm$ 1.711 χ^2 /NDF: 2003.6/18

Left In: 56.402 $\pm$ 0.590 χ^2 /NDF: 1535.9/18

Left: 54.813 $\pm$ 0.417 χ^2 /NDF: 4221.6/38

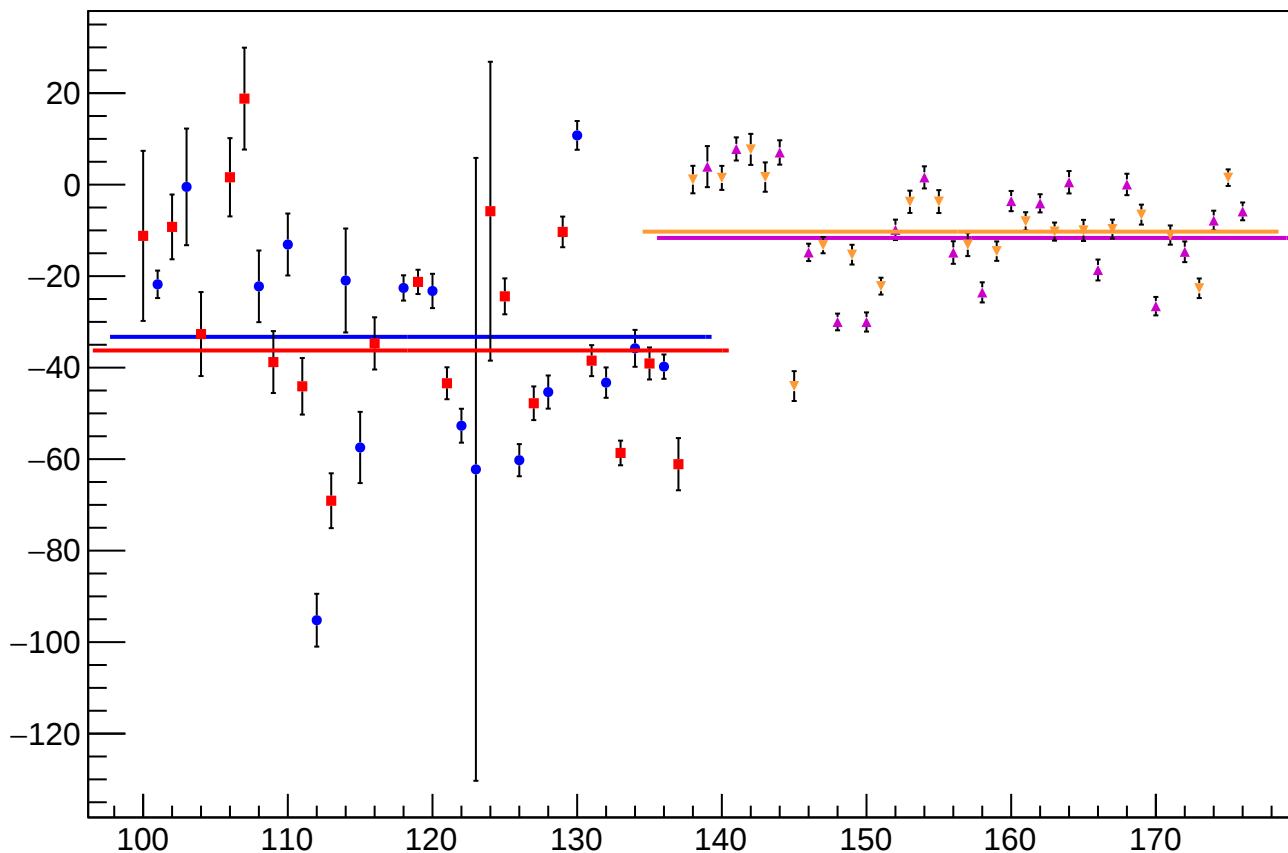
Right: 83.683 $\pm$ 1.187 χ^2 /NDF: 4060.7/35

In: 58.520 $\pm$ 0.555 χ^2 /NDF: 3649.0/35

Out: 57.456 $\pm$ 0.558 χ^2 /NDF: 5158.3/38

All: 57.991 $\pm$ 0.394 χ^2 /NDF: 8809.2/74

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: -10.274 ± 0.503 $\chi^2/\text{NDF}: 333.0/19$

Right Out: -36.251 ± 1.024 $\chi^2/\text{NDF}: 297.6/18$

Left In: -11.651 ± 0.512 $\chi^2/\text{NDF}: 518.3/18$

Left: -10.950 ± 0.359 $\chi^2/\text{NDF}: 855.0/38$

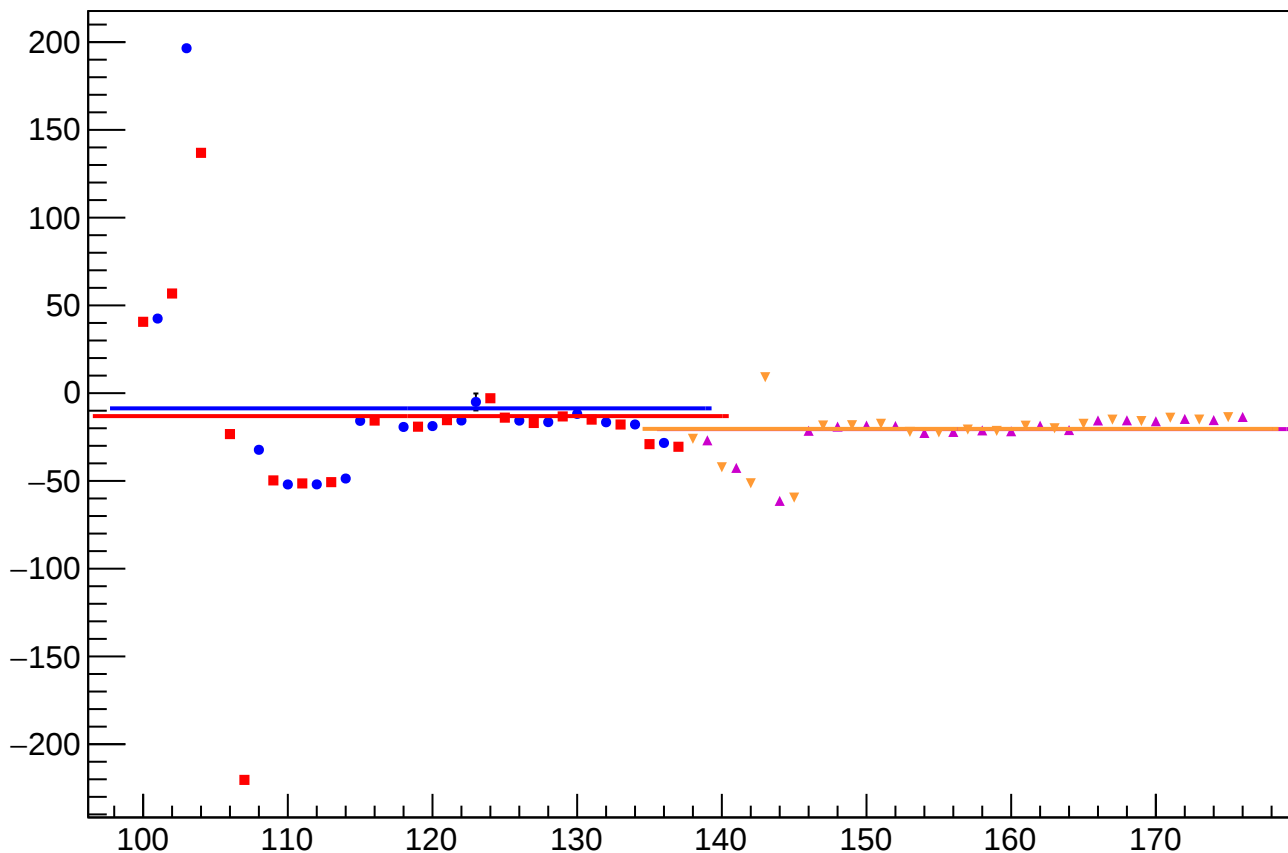
Right: -34.699 ± 0.709 $\chi^2/\text{NDF}: 791.4/35$

In: -16.271 ± 0.454 $\chi^2/\text{NDF}: 1388.9/35$

Out: -15.319 ± 0.451 $\chi^2/\text{NDF}: 1149.2/38$

All: -15.792 ± 0.320 $\chi^2/\text{NDF}: 2540.3/74$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -20.348 ± 0.023 $\chi^2/\text{NDF}: 199563.2/19$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

Left In: -20.482 ± 0.023 $\chi^2/\text{NDF}: 135540.4/18$

Left: -20.416 ± 0.016 $\chi^2/\text{NDF}: 335120.1/38$

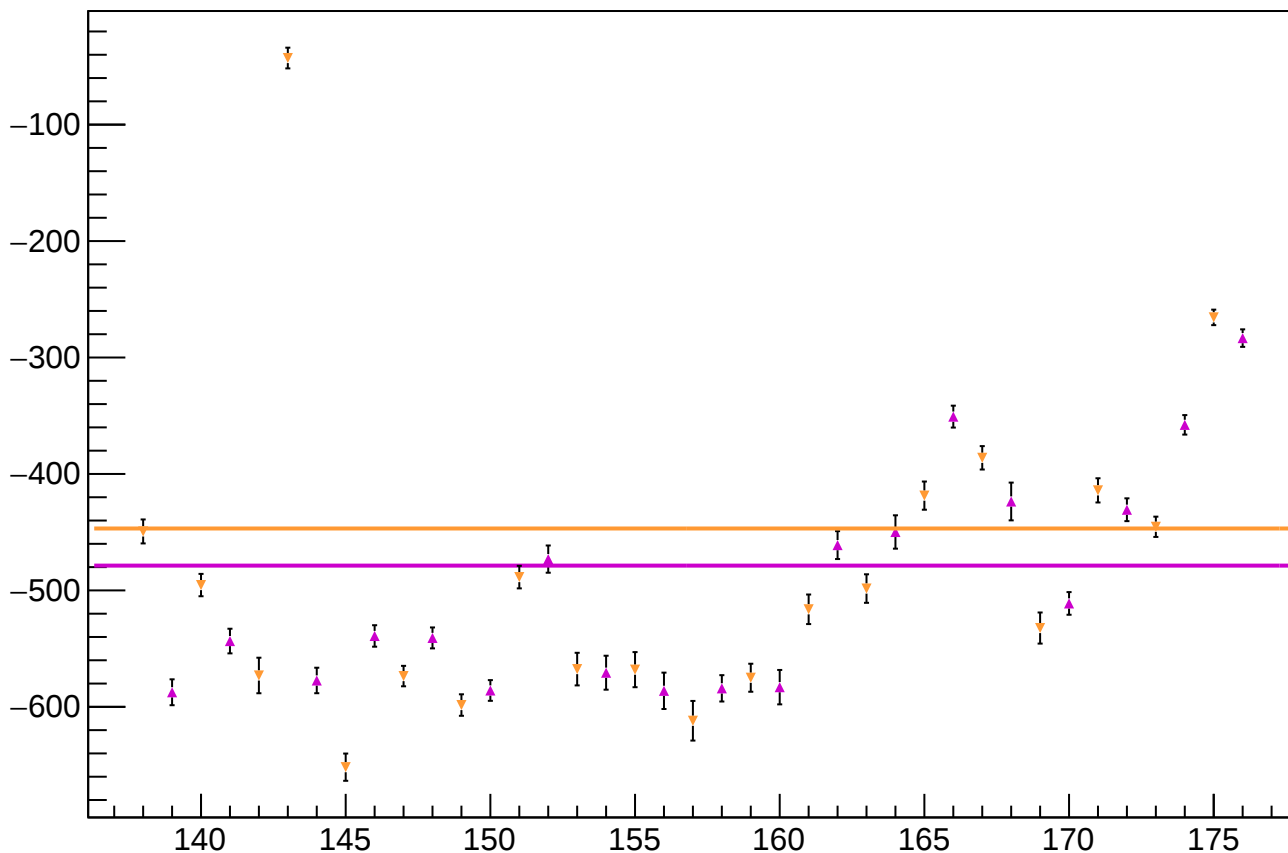
Right: -10.767 ± 0.043 $\chi^2/\text{NDF}: 1136731.7/35$

In: -18.921 ± 0.021 $\chi^2/\text{NDF}: 746048.5/35$

Out: -19.440 ± 0.022 $\chi^2/\text{NDF}: 769986.5/38$

All: -19.176 ± 0.015 $\chi^2/\text{NDF}: 1516322.5/74$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -446.834+/-2.357 χ^2/NDF :4188.5/19

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

Left In: -478.709+/-2.422 χ^2/NDF :1795.2/18

Left: -462.343+/-1.689 χ^2/NDF : 6072.7/38

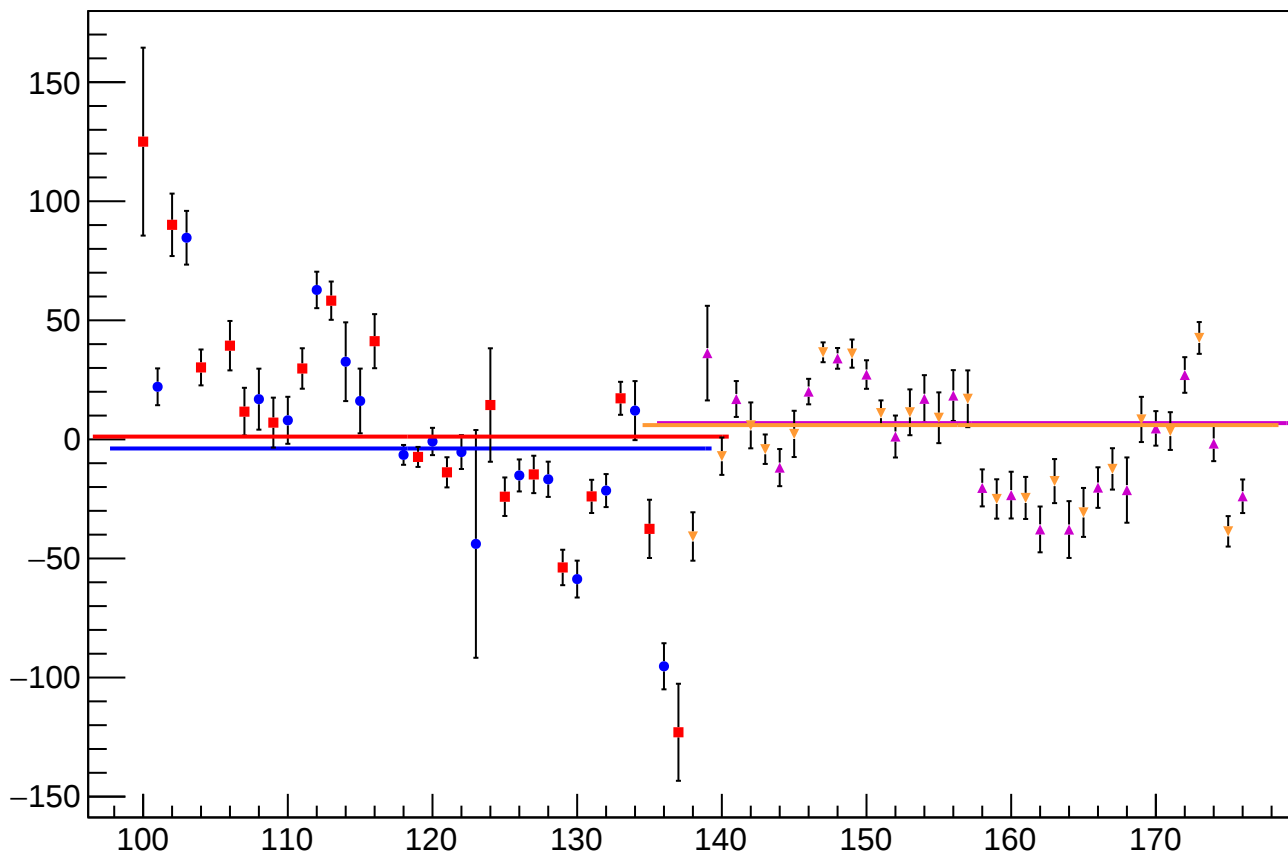
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -478.709+/-2.422 χ^2/NDF :1795.2/18

Out: -446.834+/-2.357 χ^2/NDF :4188.5/19

All: -462.343+/-1.689 χ^2/NDF : 6072.7/38

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 6.002 ± 1.673 χ^2/NDF : 237.2/19

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

Left In: 6.838 ± 1.759 χ^2/NDF : 168.4/18

Left: 6.399 ± 1.212 χ^2/NDF : 405.7/38

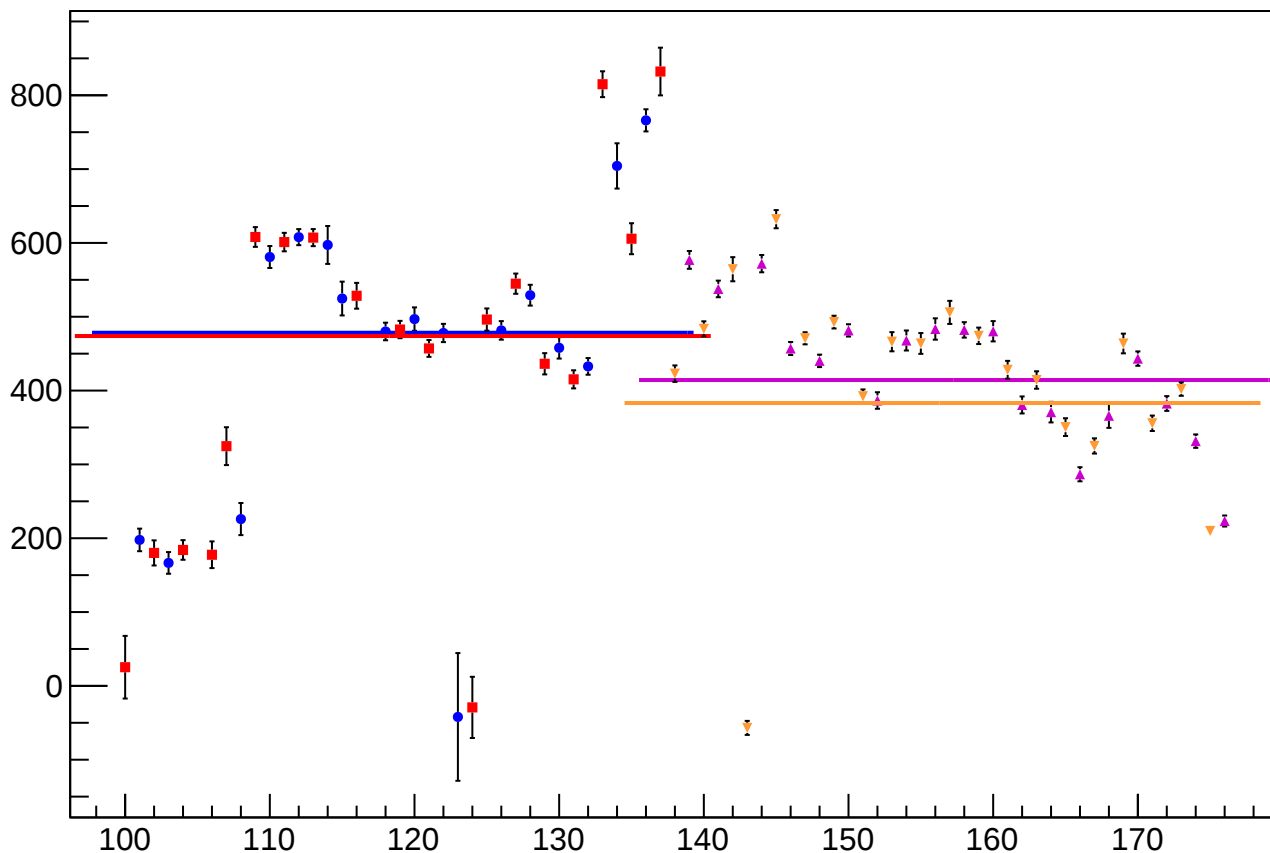
Right: -1.308 ± 1.356 χ^2/NDF : 621.6/35

In: 1.983 ± 1.298 χ^2/NDF : 499.4/35

Out: 3.911 ± 1.260 χ^2/NDF : 544.7/38

All: 2.976 ± 0.904 χ^2/NDF : 1045.3/74

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: 383.160 $\pm$ 2.344 χ^2 /NDF: 4054.5/19

Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

Left In: 414.296 $\pm$ 2.397 χ^2 /NDF: 1656.3/18

Left: 398.379 $\pm$ 1.676 χ^2 /NDF: 5797.1/38

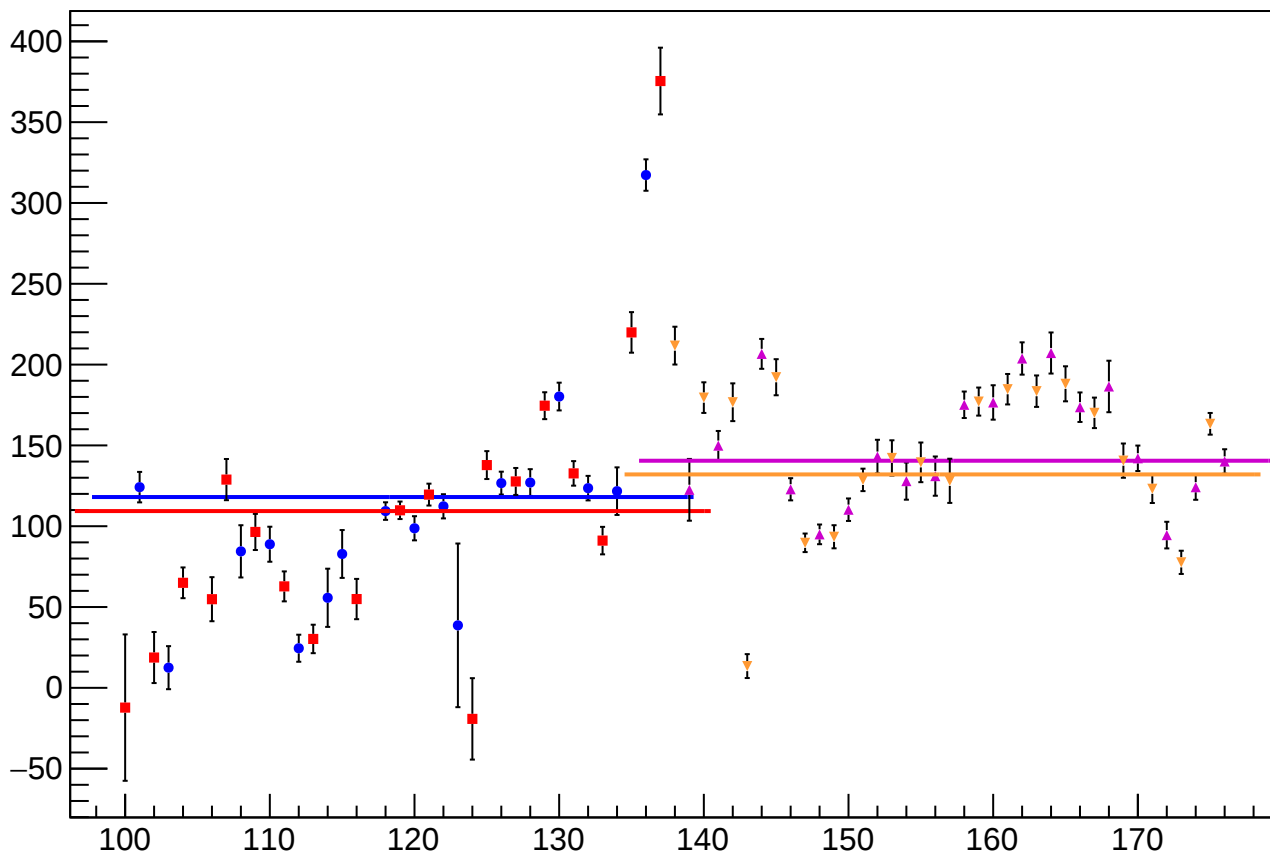
Right: 476.038 $\pm$ 2.542 χ^2 /NDF: 3914.6/35

In: 433.499 $\pm$ 2.005 χ^2 /NDF: 3499.2/35

Out: 410.910 $\pm$ 1.953 χ^2 /NDF: 6798.0/38

All: 421.904 $\pm$ 1.399 χ^2 /NDF: 10362.3/74

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: 132.051 $\pm$ 1.956 χ^2 /NDF: 667.4/19

Right Out: 109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

Left In: 140.514 $\pm$ 2.043 χ^2 /NDF: 290.5/18

Left: 136.100 $\pm$ 1.413 χ^2 /NDF: 966.8/38

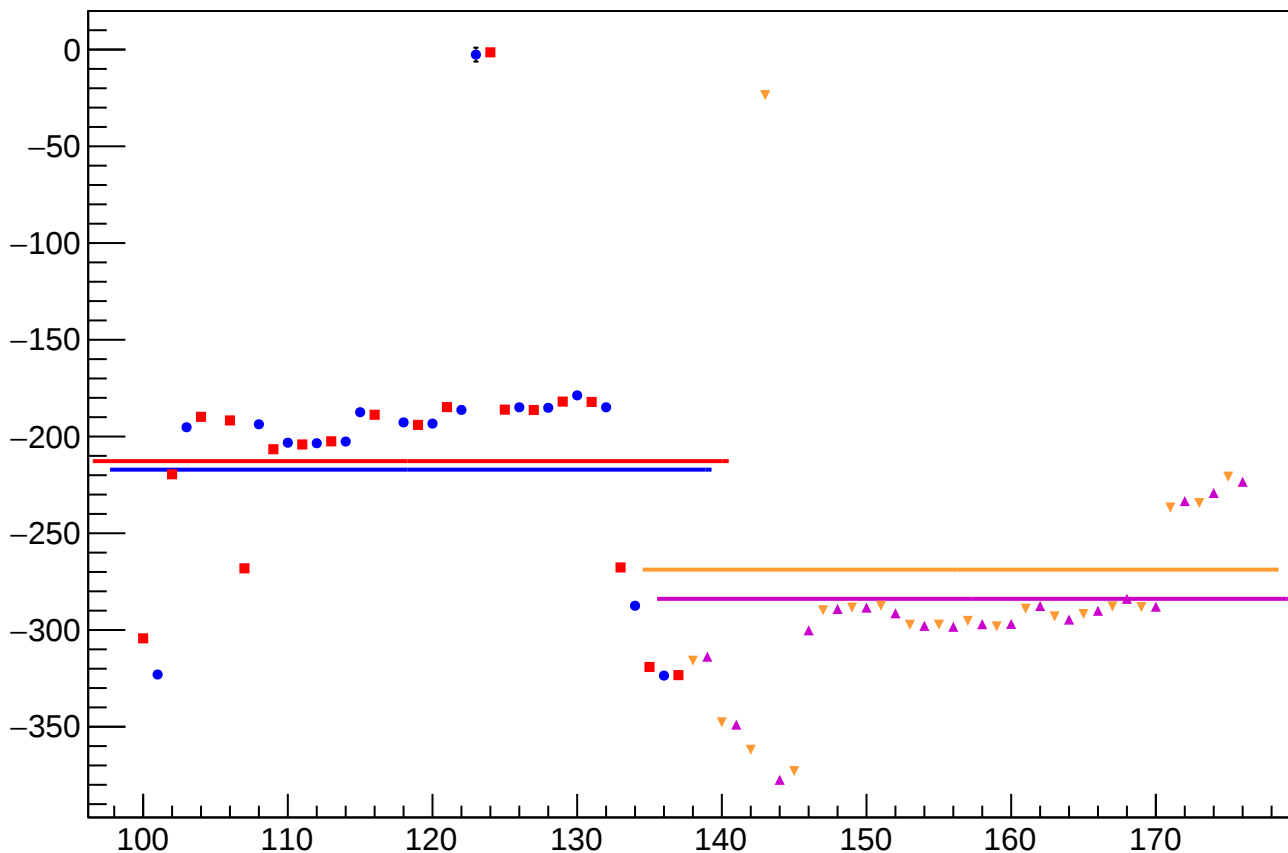
Right: 113.671 $\pm$ 1.566 χ^2 /NDF: 1282.8/35

In: 130.243 $\pm$ 1.505 χ^2 /NDF: 1051.1/35

Out: 122.059 $\pm$ 1.463 χ^2 /NDF: 1296.4/38

All: 126.037 $\pm$ 1.049 χ^2 /NDF: 2362.7/74

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -268.797+/-0.095 χ^2/NDF : 598589.1/19

Right Out: -212.715+/-0.130 χ^2/NDF : 115566.2/18

Left In: -283.892+/-0.095 χ^2/NDF : 144929.3/18

Left: -276.295+/-0.067 χ^2/NDF : 756154.1/38

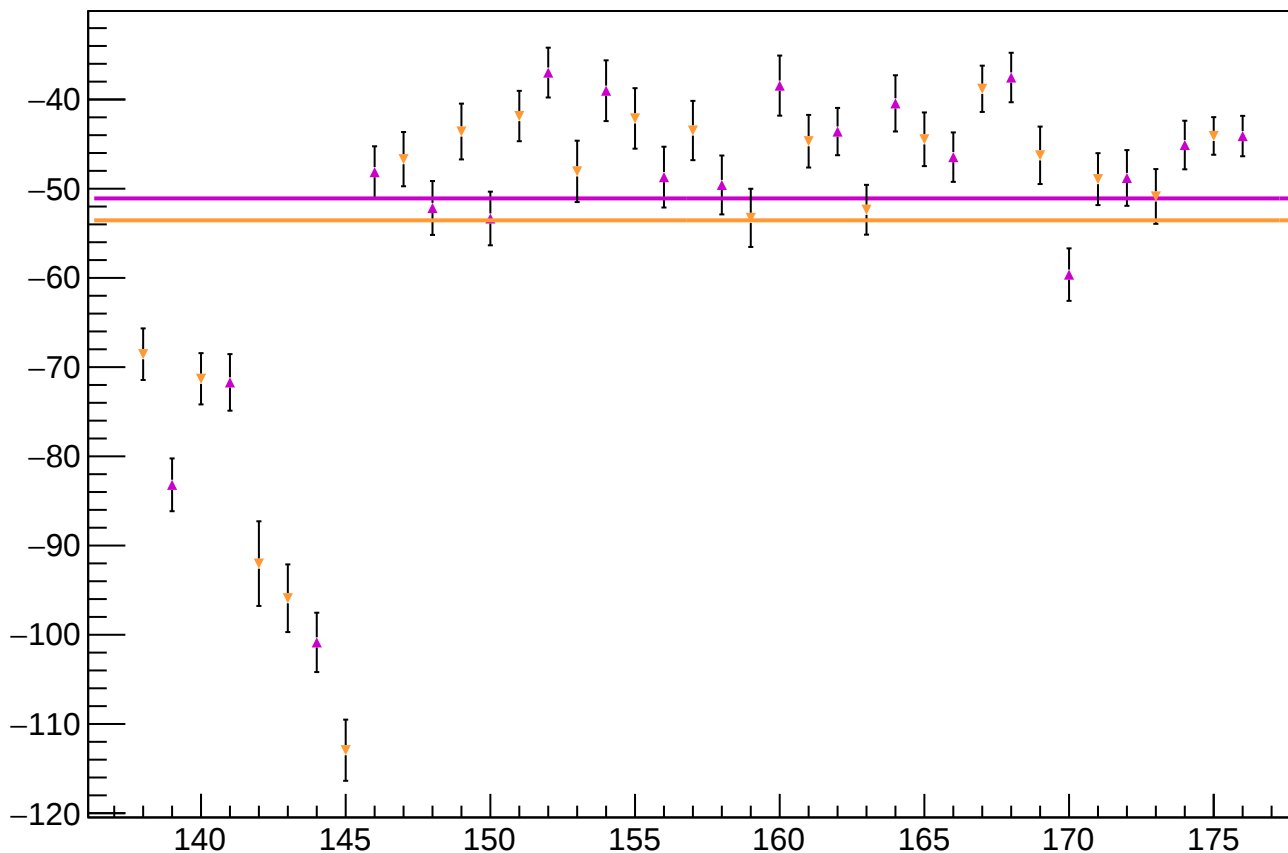
Right: -214.812+/-0.094 χ^2/NDF : 262670.9/35

In: -262.037+/-0.078 χ^2/NDF : 452279.4/35

Out: -249.404+/-0.077 χ^2/NDF : 835572.9/38

All: -255.591+/-0.055 χ^2/NDF : 1301192.4/74

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -53.546+/-0.677 χ^2/NDF :690.4/19

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

Left In: -51.089+/-0.678 χ^2/NDF :507.8/18

Left: -52.319+/-0.479 χ^2/NDF : 1204.7/38

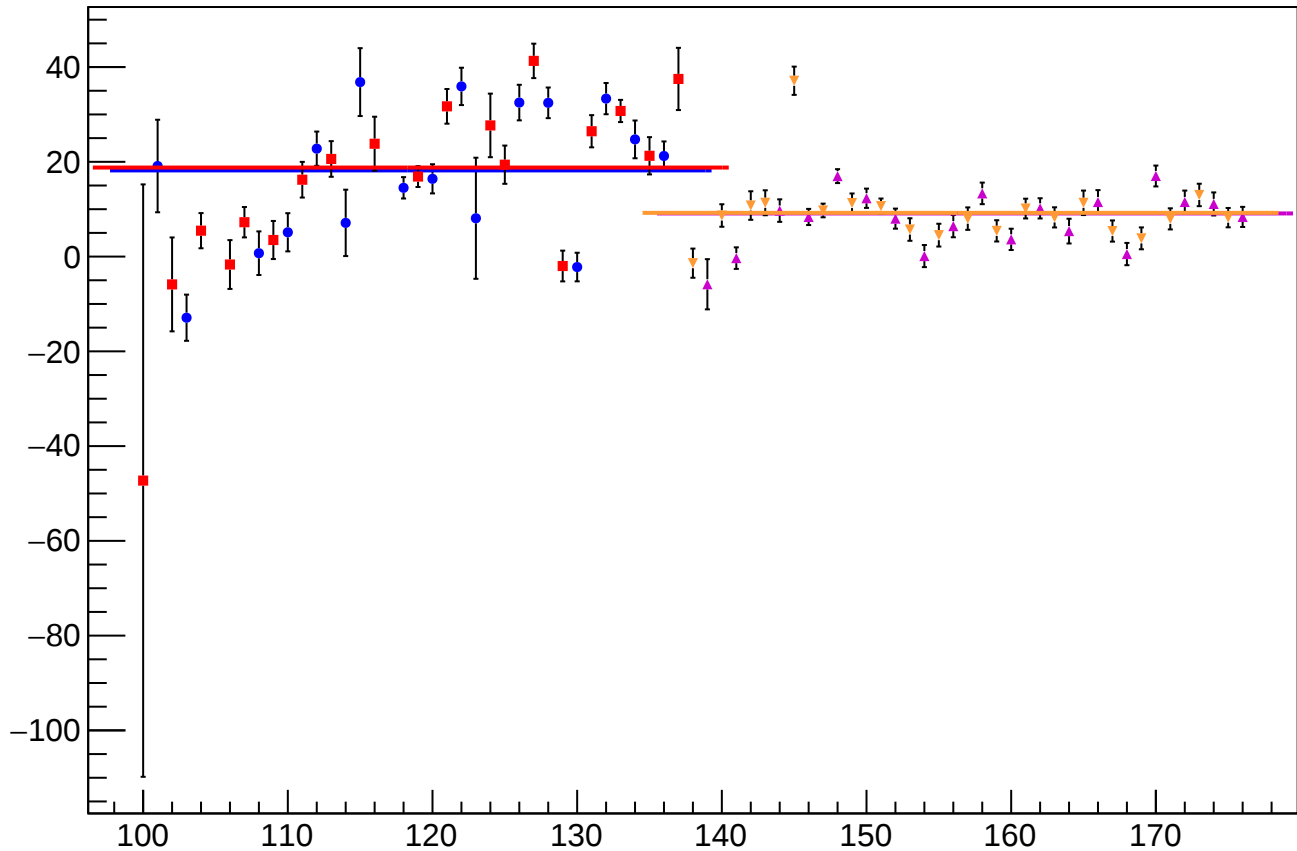
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -51.089+/-0.678 χ^2/NDF :507.8/18

Out: -53.546+/-0.677 χ^2/NDF :690.4/19

All: -52.319+/-0.479 χ^2/NDF : 1204.7/38

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.231 ± 0.494 χ^2/NDF : 124.0/19

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

Left In: 9.107 ± 0.506 χ^2/NDF : 113.7/18

Left: 9.171 ± 0.353 χ^2/NDF : 237.7/38

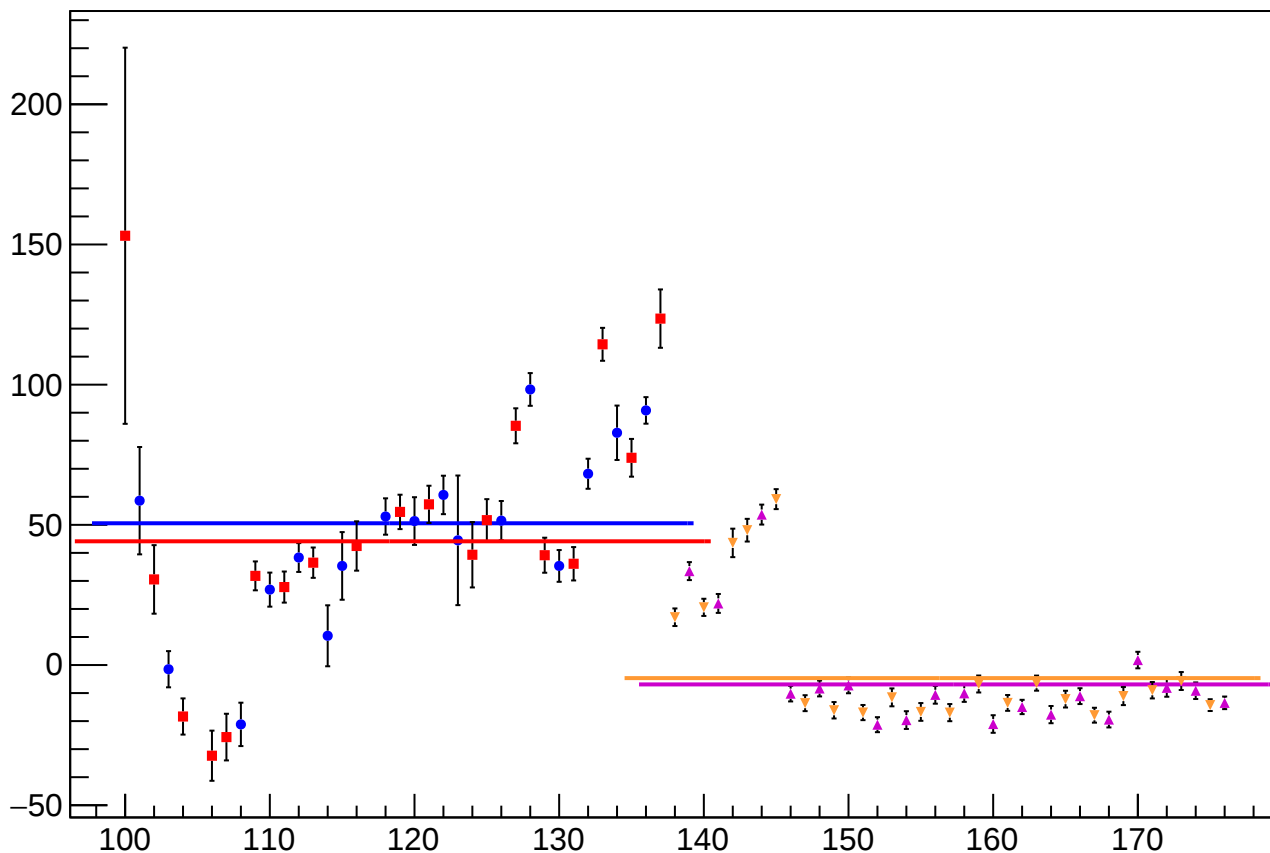
Right: 18.508 ± 0.628 χ^2/NDF : 403.9/35

In: 11.225 ± 0.443 χ^2/NDF : 393.7/35

Out: 11.590 ± 0.429 χ^2/NDF : 415.2/38

All: 11.414 ± 0.308 χ^2/NDF : 809.3/74

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: -4.666+/-0.669 χ^2/NDF : 847.7/19

Right Out: 44.132+/-1.603 χ^2/NDF : 532.5/18

Left In: -6.913+/-0.669 χ^2/NDF : 653.9/18

Left: -5.789+/-0.473 χ^2/NDF : 1507.2/38

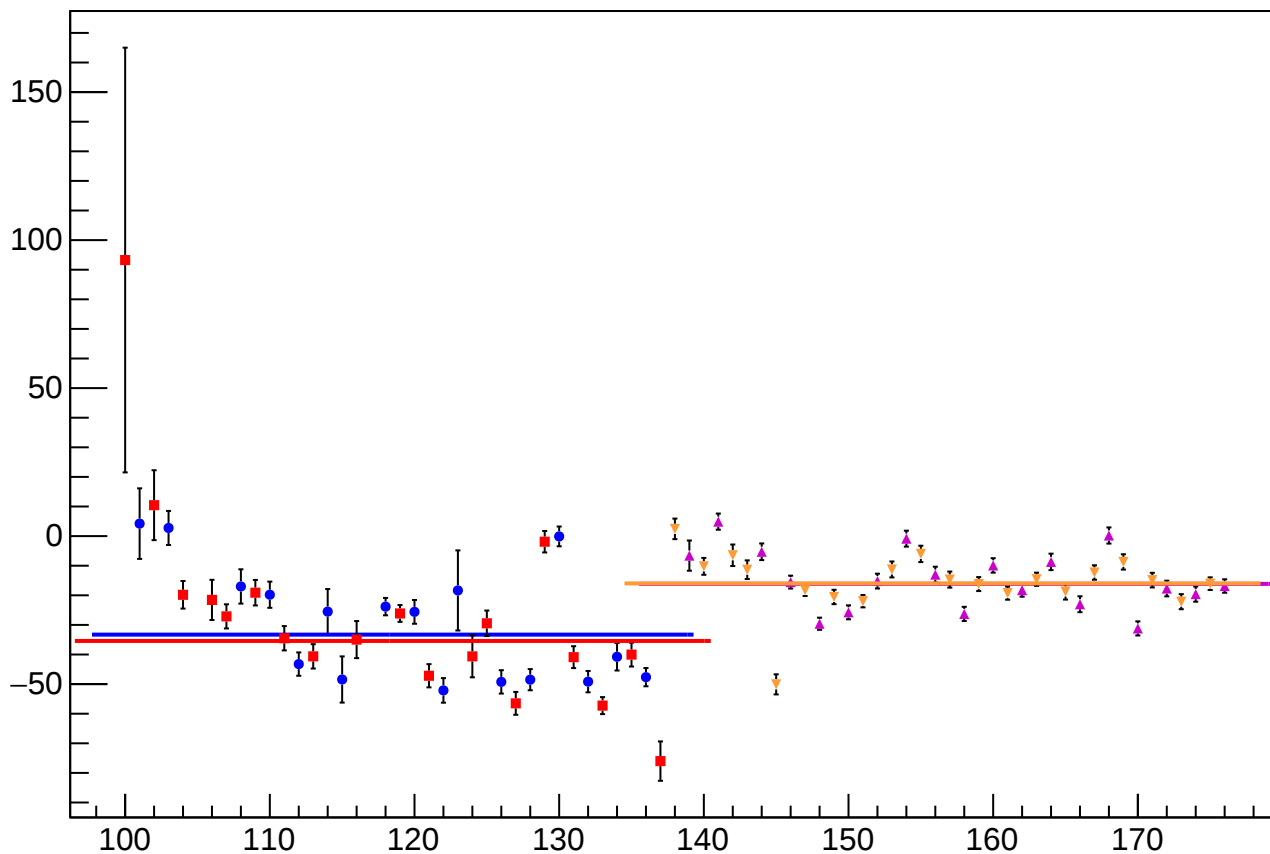
Right: 47.201+/-1.159 χ^2/NDF : 898.2/35

In: 0.975+/-0.621 χ^2/NDF : 2024.6/35

Out: 2.580+/-0.618 χ^2/NDF : 2169.8/38

All: 1.783+/-0.438 χ^2/NDF : 4197.8/74

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -15.984 ± 0.568 χ^2/NDF : 191.3/19

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

Left In: -16.141 ± 0.580 χ^2/NDF : 288.0/18

Left: -16.061 ± 0.406 χ^2/NDF : 479.4/38

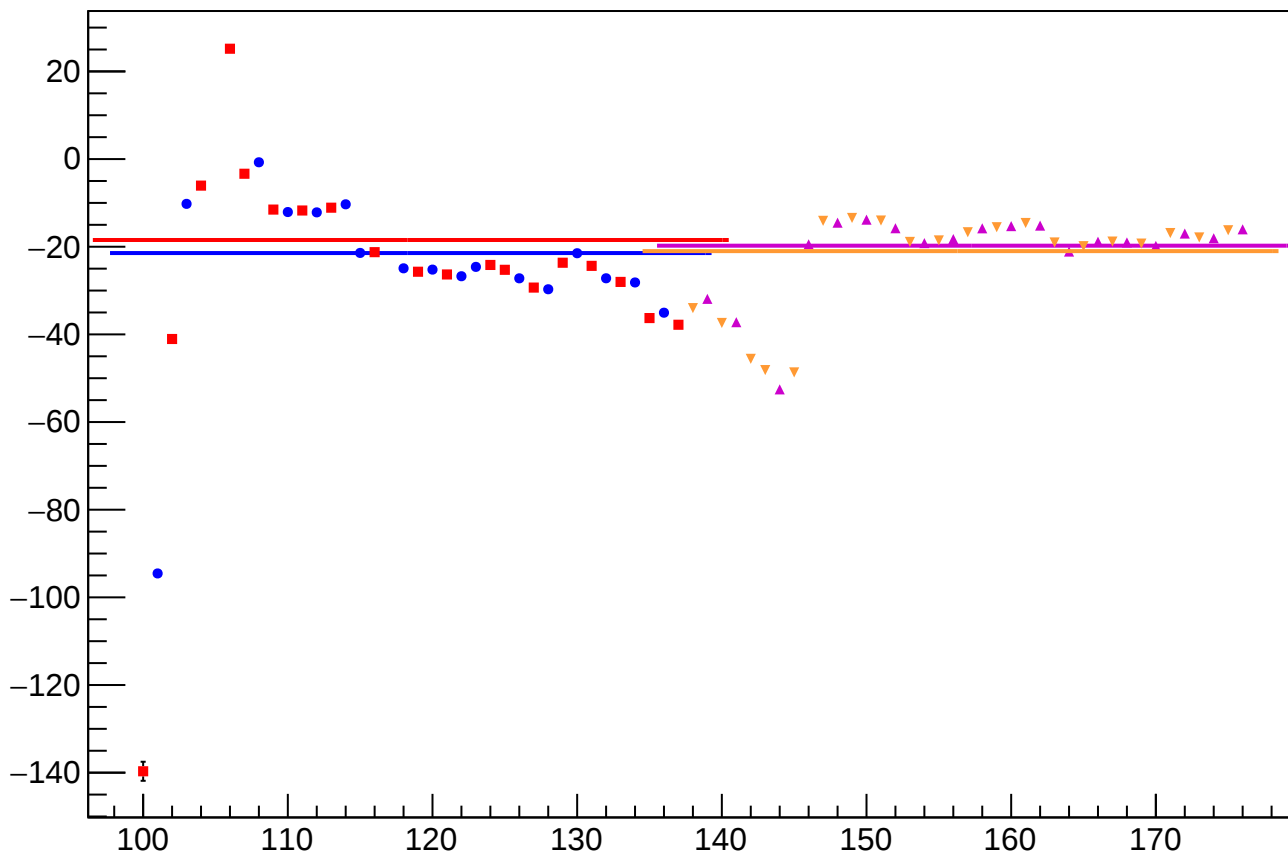
Right: -34.404 ± 0.719 χ^2/NDF : 582.0/35

In: -20.184 ± 0.507 χ^2/NDF : 784.3/35

Out: -20.791 ± 0.493 χ^2/NDF : 770.3/38

All: -20.495 ± 0.353 χ^2/NDF : 1555.4/74

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -21.002 ± 0.026 $\chi^2/\text{NDF}: 131978.0/19$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

Left In: -19.760 ± 0.026 $\chi^2/\text{NDF}: 85968.7/18$

Left: -20.374 ± 0.019 $\chi^2/\text{NDF}: 219063.9/38$

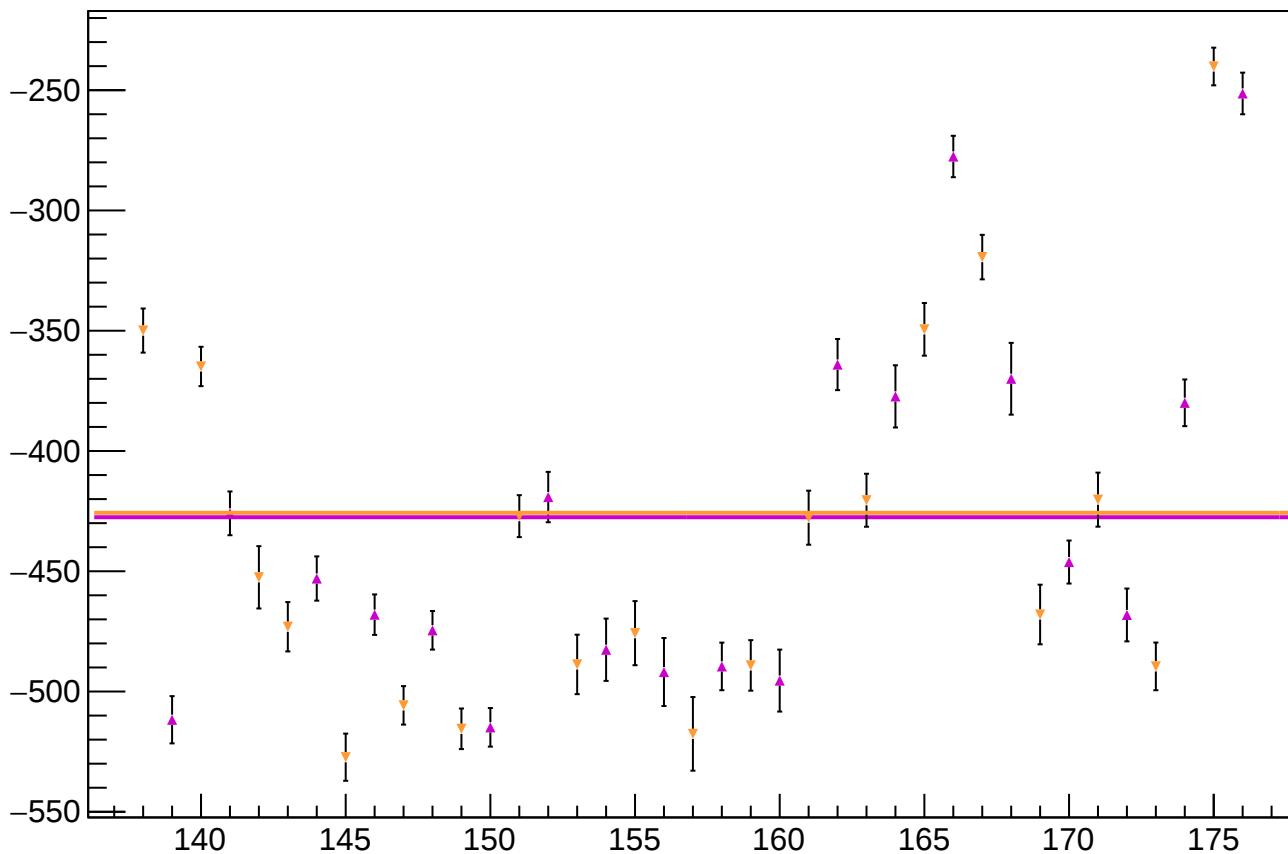
Right: -19.914 ± 0.041 $\chi^2/\text{NDF}: 130751.2/35$

In: -20.037 ± 0.024 $\chi^2/\text{NDF}: 135618.3/35$

Out: -20.558 ± 0.024 $\chi^2/\text{NDF}: 214063.8/38$

All: -20.296 ± 0.017 $\chi^2/\text{NDF}: 349919.2/74$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -425.689+/-2.246 χ^2/NDF :1379.0/19

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

Left In: -427.543+/-2.274 χ^2/NDF :1189.6/18

Left: -426.605+/-1.598 χ^2/NDF : 2568.9/38

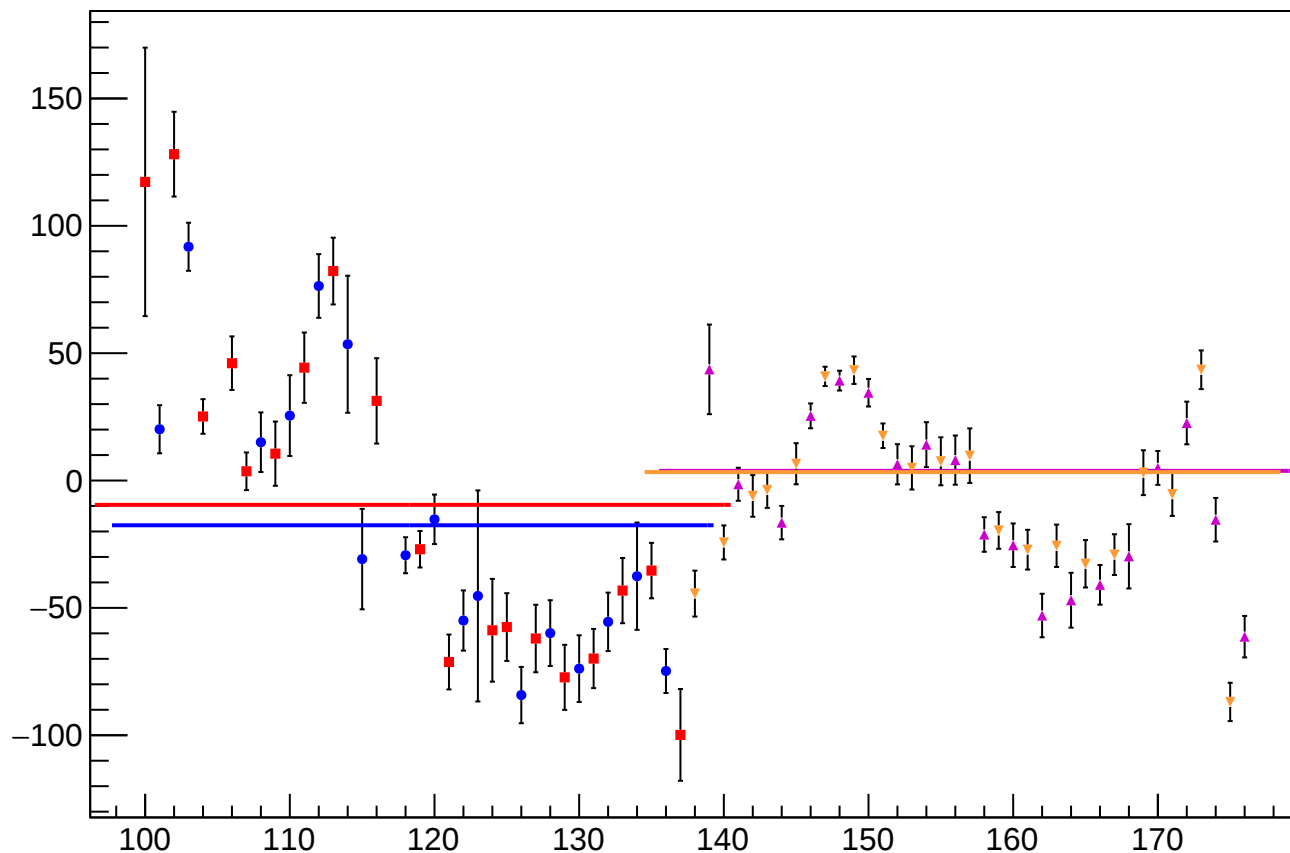
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -427.543+/-2.274 χ^2/NDF :1189.6/18

Out: -425.689+/-2.246 χ^2/NDF :1379.0/19

All: -426.605+/-1.598 χ^2/NDF : 2568.9/38

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 3.318 ± 1.571 χ^2/NDF : 451.9/19

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

Left In: 3.803 ± 1.625 χ^2/NDF : 357.7/18

Left: 3.552 ± 1.130 χ^2/NDF : 809.6/38

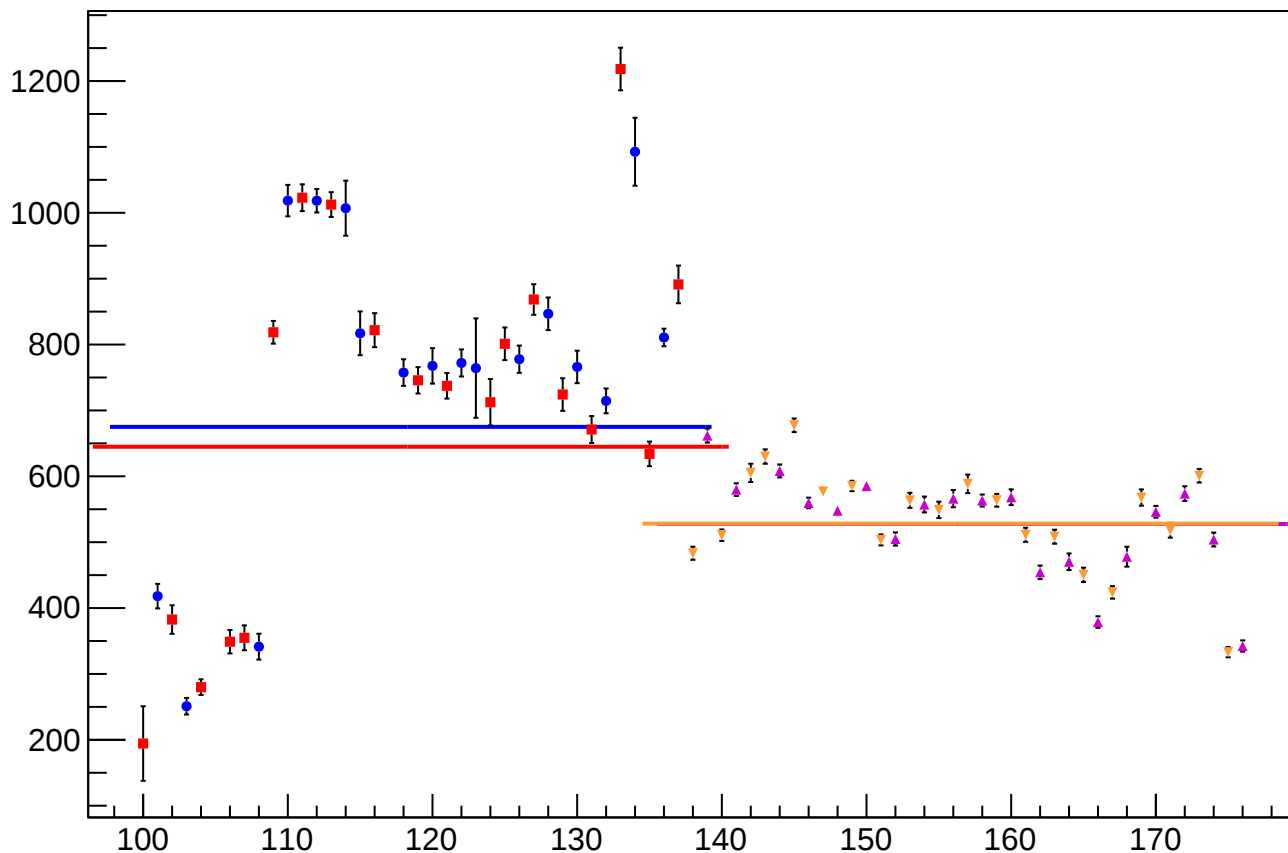
Right: -13.243 ± 1.915 χ^2/NDF : 738.4/35

In: -1.525 ± 1.408 χ^2/NDF : 764.5/35

Out: -0.107 ± 1.346 χ^2/NDF : 840.0/38

All: -0.784 ± 0.973 χ^2/NDF : 1605.0/74

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: 528.172 $\pm$ 2.227 χ^2 /NDF:1360.8/19

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

Left In: 527.650 $\pm$ 2.243 χ^2 /NDF:1248.6/18

Left: 527.913 $\pm$ 1.580 χ^2 /NDF: 2609.4/38

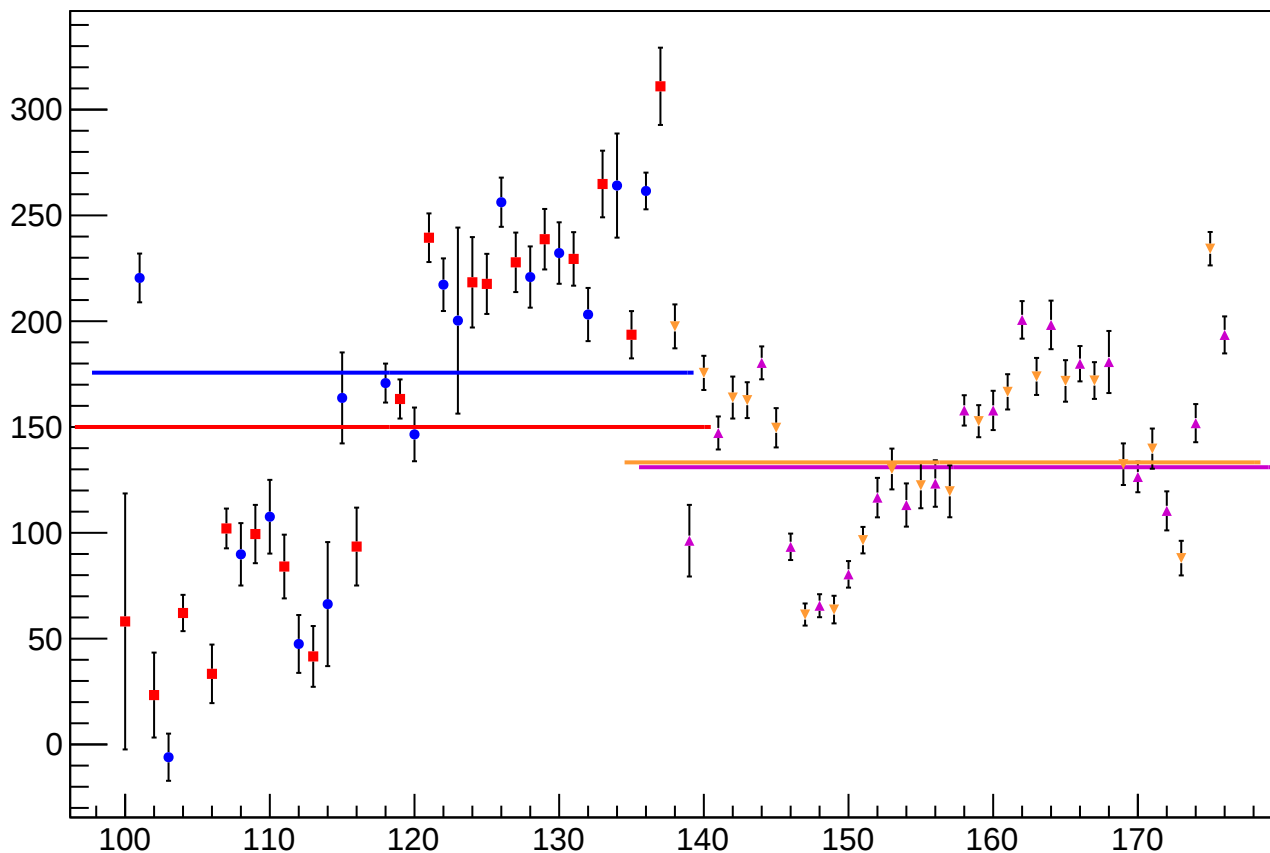
Right: 659.042 $\pm$ 3.470 χ^2 /NDF: 5725.3/35

In: 551.798 $\pm$ 2.051 χ^2 /NDF:4540.4/35

Out: 549.124 $\pm$ 2.017 χ^2 /NDF:4976.2/38

All: 550.439 $\pm$ 1.438 χ^2 /NDF: 9517.5/74

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: 133.291 $\pm$ 1.848 χ^2 /NDF: 703.9/19

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

Left In: 131.000 $\pm$ 1.899 χ^2 /NDF: 527.0/18

Left: 132.177 $\pm$ 1.324 χ^2 /NDF: 1231.7/38

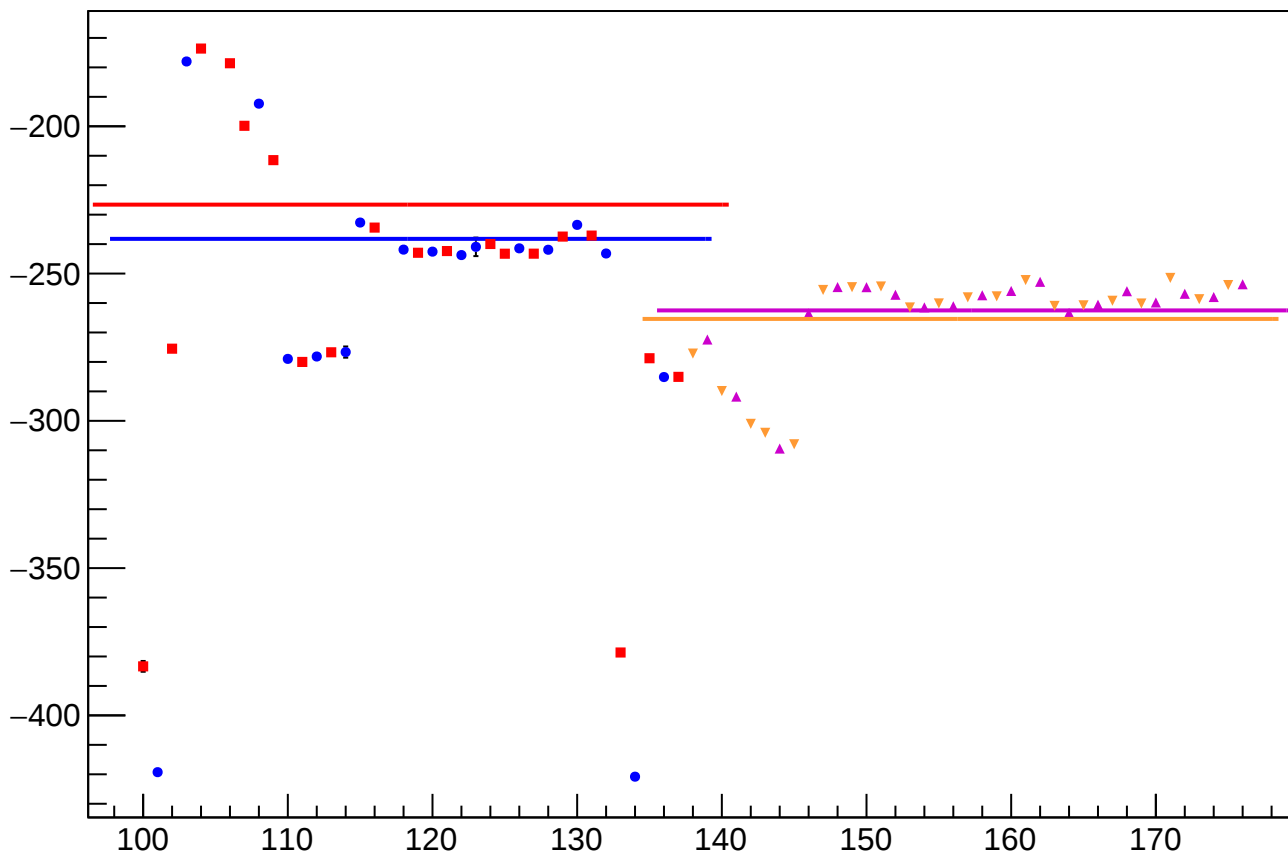
Right: 162.048 $\pm$ 2.217 χ^2 /NDF: 1365.0/35

In: 142.431 $\pm$ 1.638 χ^2 /NDF: 1306.5/35

Out: 137.801 $\pm$ 1.580 χ^2 /NDF: 1419.8/38

All: 140.032 $\pm$ 1.137 χ^2 /NDF: 2730.5/74

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 $\chi^2/\text{NDF}: 167120.0/16$

Left Out: -265.399 ± 0.090 $\chi^2/\text{NDF}: 35501.0/19$

Right Out: -226.597 ± 0.151 $\chi^2/\text{NDF}: 102562.3/18$

Left In: -262.508 ± 0.089 $\chi^2/\text{NDF}: 21712.4/18$

Left: -263.947 ± 0.063 $\chi^2/\text{NDF}: 57736.2/38$

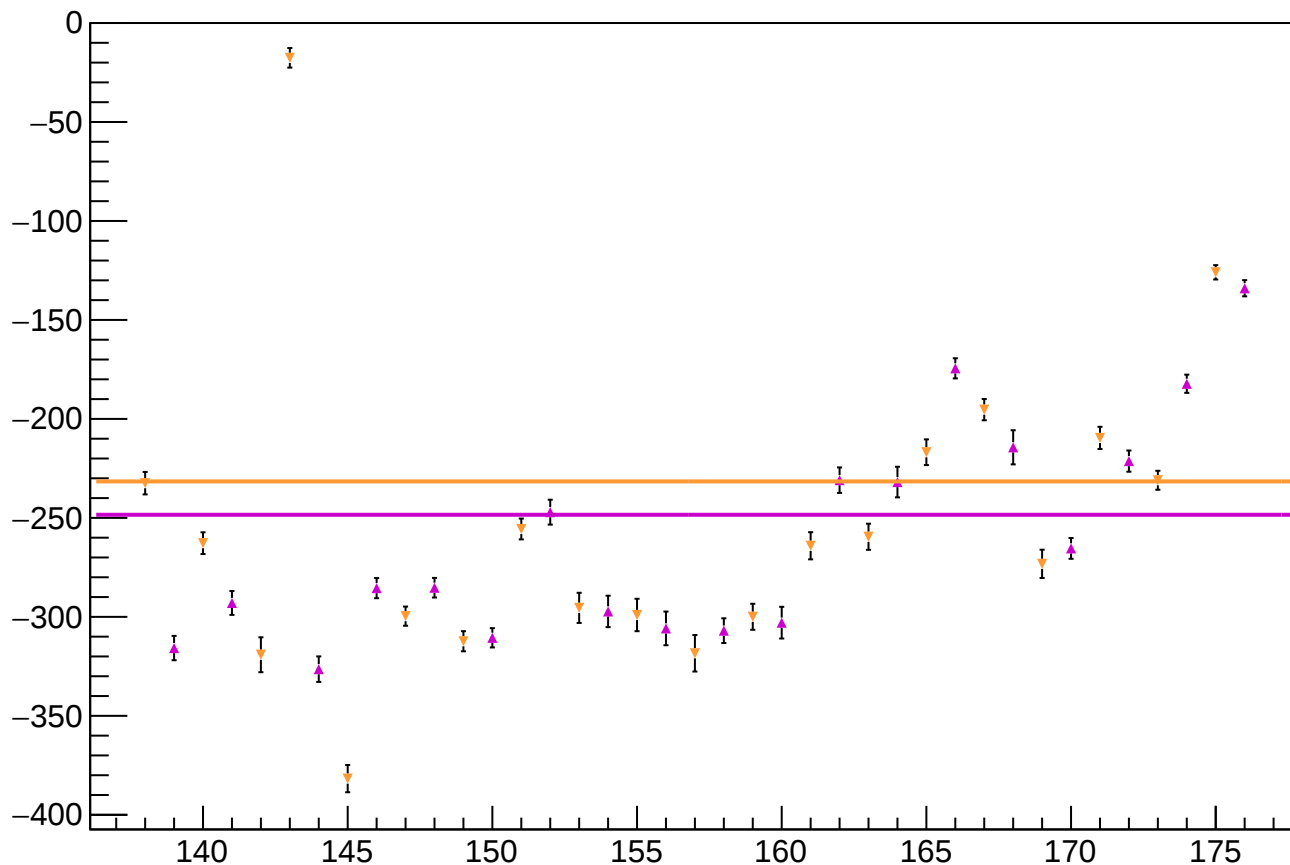
Right: -232.063 ± 0.110 $\chi^2/\text{NDF}: 272459.7/35$

In: -256.773 ± 0.078 $\chi^2/\text{NDF}: 206339.4/35$

Out: -255.313 ± 0.077 $\chi^2/\text{NDF}: 186783.3/38$

All: -256.035 ± 0.055 $\chi^2/\text{NDF}: 393300.0/74$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -231.576 $\pm$ 1.294 χ^2 /NDF:4274.0/19

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

Left In: -248.427 $\pm$ 1.328 χ^2 /NDF:2076.2/18

Left: -239.783 $\pm$ 0.927 χ^2 /NDF: 6432.8/38

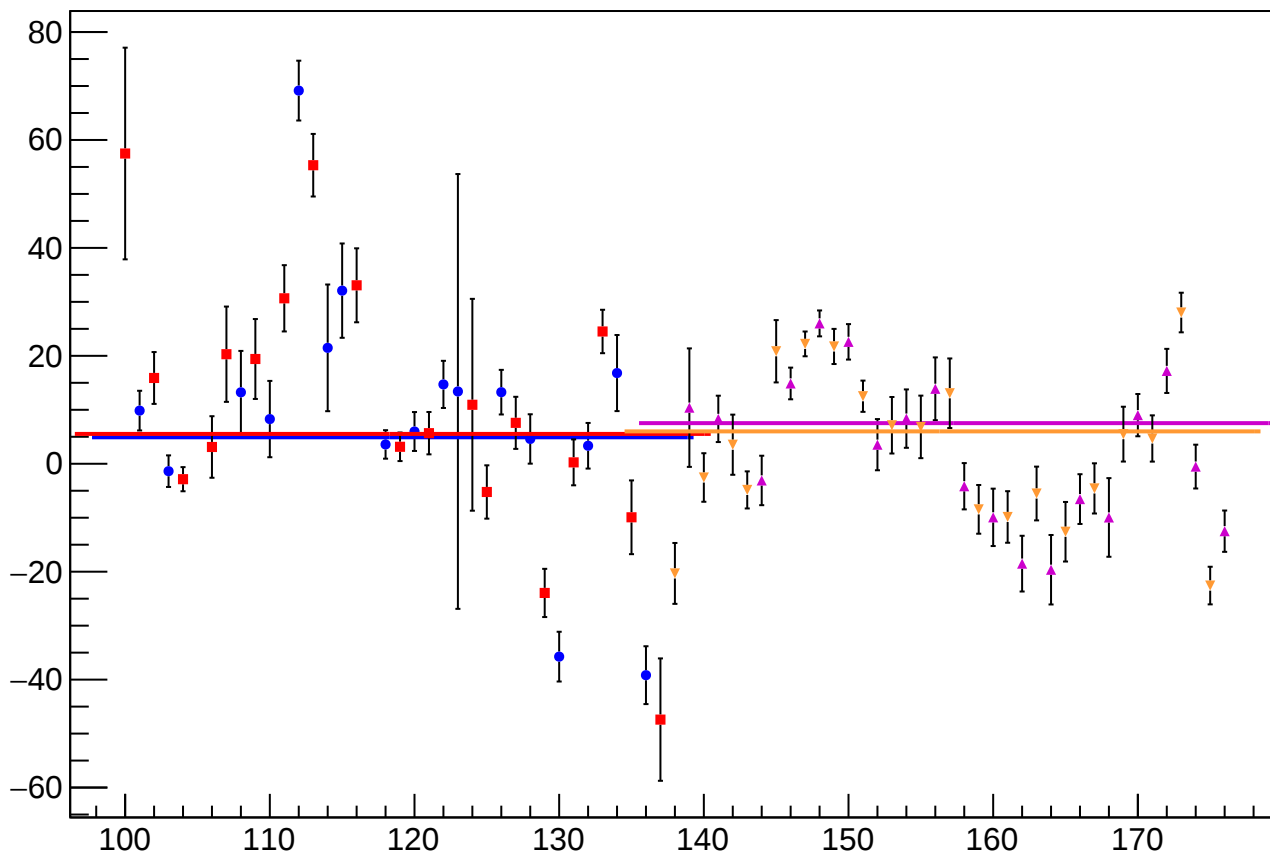
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -248.427 $\pm$ 1.328 χ^2 /NDF:2076.2/18

Out: -231.576 $\pm$ 1.294 χ^2 /NDF:4274.0/19

All: -239.783 $\pm$ 0.927 χ^2 /NDF: 6432.8/38

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 6.000 ± 0.919 χ^2/NDF : 268.2/19

Right Out: 5.530 ± 1.069 χ^2/NDF : 238.9/18

Left In: 7.528 ± 0.966 χ^2/NDF : 207.5/18

Left: 6.726 ± 0.666 χ^2/NDF : 477.0/38

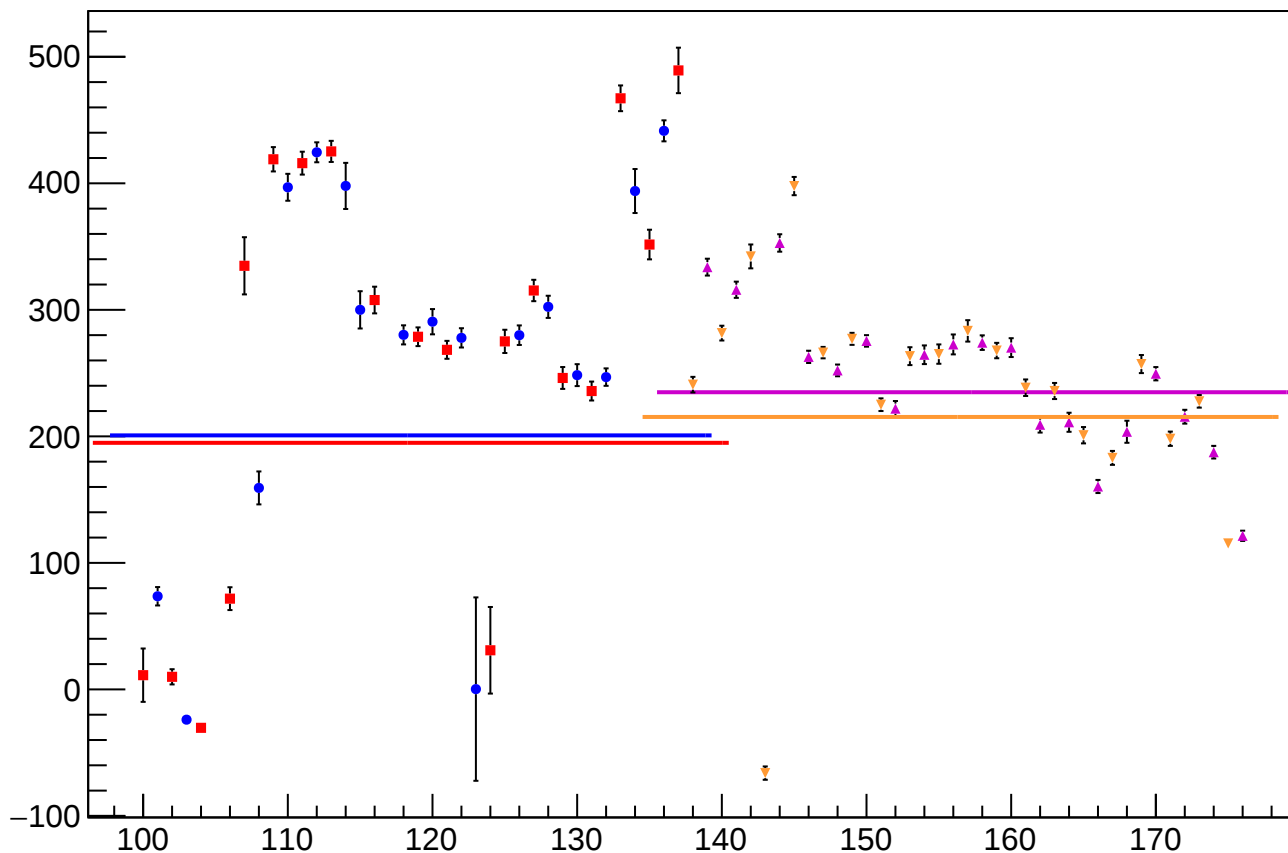
Right: 5.228 ± 0.768 χ^2/NDF : 550.7/35

In: 6.392 ± 0.727 χ^2/NDF : 522.4/35

Out: 5.800 ± 0.697 χ^2/NDF : 507.2/38

All: 6.083 ± 0.503 χ^2/NDF : 1029.9/74

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: 215.336 $\pm$ 1.285 χ^2 /NDF:5209.1/19

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

Left In: 234.881 $\pm$ 1.313 χ^2 /NDF:2055.9/18

Left: 224.897 $\pm$ 0.919 χ^2 /NDF: 7378.1/38

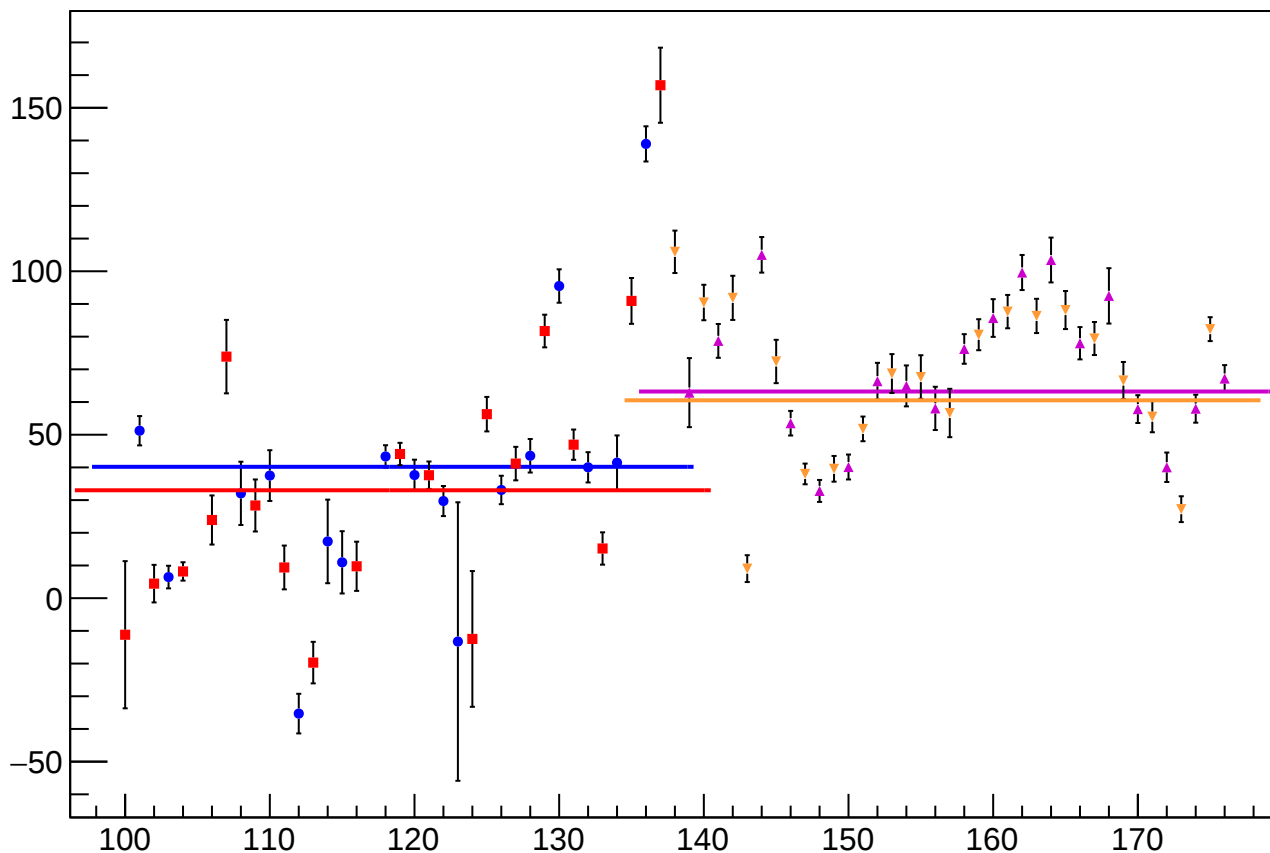
Right: 197.743 $\pm$ 1.381 χ^2 /NDF: 14984.6/35

In: 224.484 $\pm$ 1.095 χ^2 /NDF:8994.5/35

Out: 209.028 $\pm$ 1.069 χ^2 /NDF:13534.3/38

All: 216.568 $\pm$ 0.765 χ^2 /NDF: 22630.8/74

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185+/-1.283 χ^2/NDF : 734.6/16

Left Out: 60.528+/-1.074 χ^2/NDF : 564.8/19

Right Out: 33.006+/-1.250 χ^2/NDF : 552.7/18

Left In: 63.218+/-1.121 χ^2/NDF : 349.6/18

Left: 61.815+/-0.775 χ^2/NDF : 917.4/38

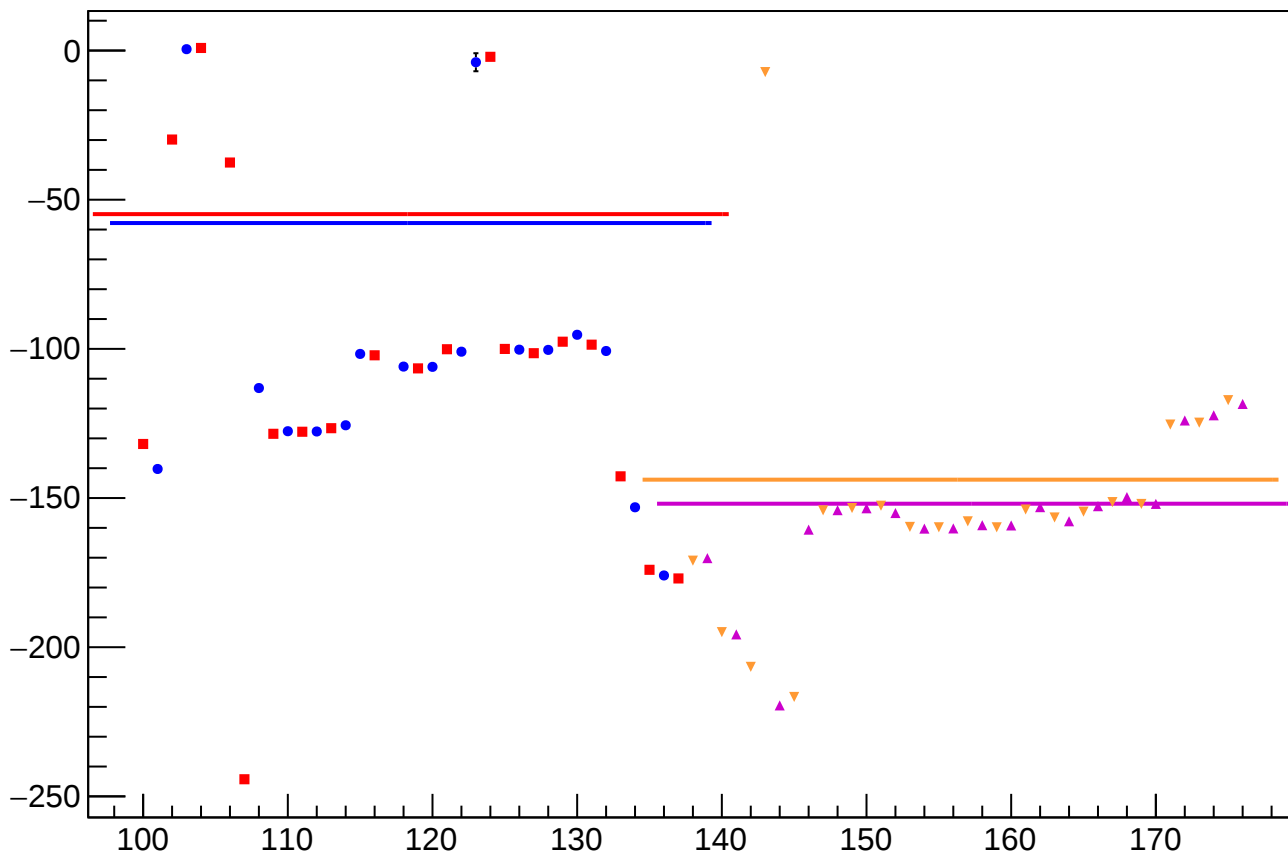
Right: 36.503+/-0.896 χ^2/NDF : 1303.3/35

In: 53.252+/-0.844 χ^2/NDF : 1267.0/35

Out: 48.849+/-0.815 χ^2/NDF : 1396.4/38

All: 50.972+/-0.586 χ^2/NDF : 2677.4/74

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -143.840 ± 0.052 $\chi^2/\text{NDF}: 635140.0/19$

Right Out: -54.833 ± 0.060 $\chi^2/\text{NDF}: 1000741.7/18$

Left In: -151.900 ± 0.052 $\chi^2/\text{NDF}: 171465.4/18$

Left: -147.846 ± 0.037 $\chi^2/\text{NDF}: 818614.3/38$

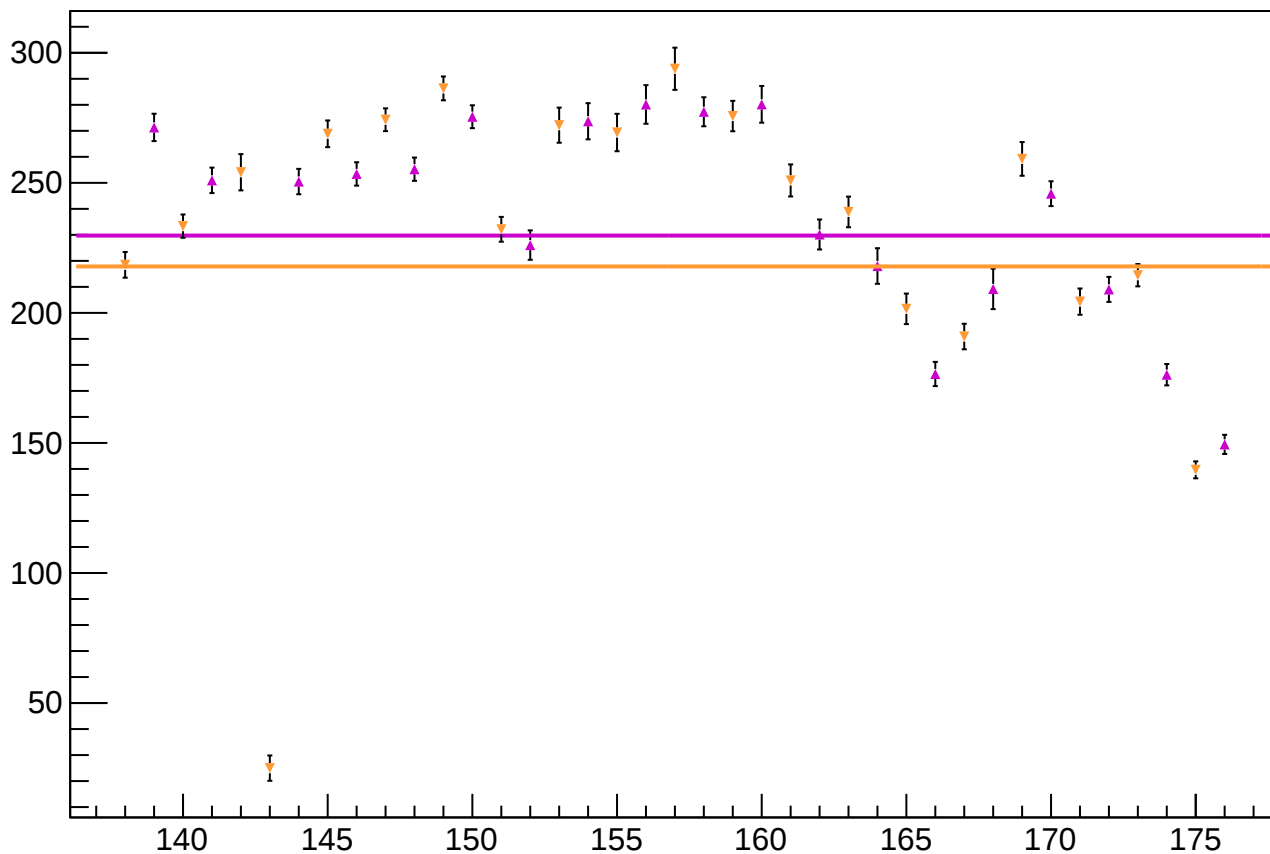
Right: -56.289 ± 0.043 $\chi^2/\text{NDF}: 2103236.7/35$

In: -112.754 ± 0.040 $\chi^2/\text{NDF}: 2626439.2/35$

Out: -105.953 ± 0.039 $\chi^2/\text{NDF}: 2890051.8/38$

All: -109.306 ± 0.028 $\chi^2/\text{NDF}: 5531255.8/74$

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: 217.861 ± 1.149 χ^2/NDF : 3109.3/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: 229.726 ± 1.173 χ^2/NDF : 1292.9/18

Left: 223.671 ± 0.821 χ^2/NDF : 4454.4/38

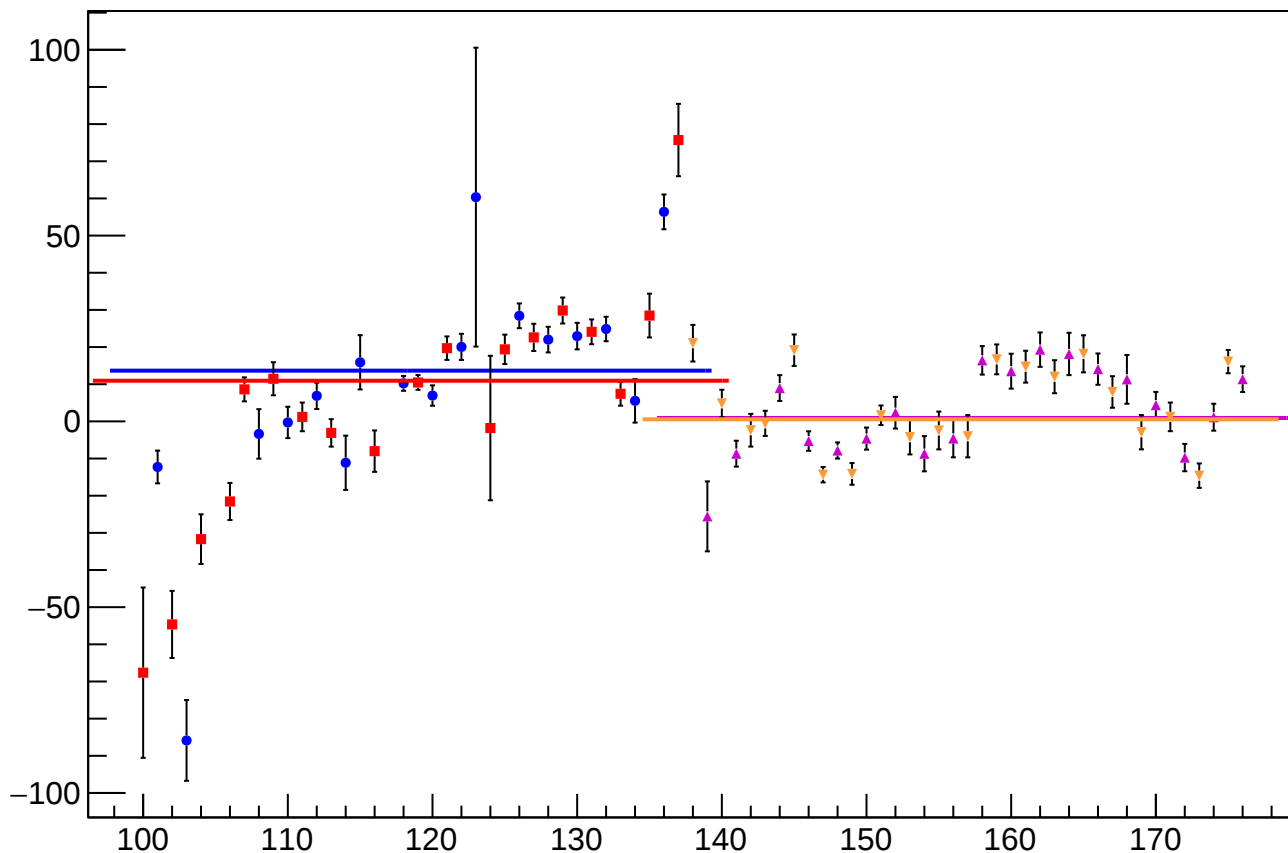
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: 229.726 ± 1.173 χ^2/NDF : 1292.9/18

Out: 217.861 ± 1.149 χ^2/NDF : 3109.3/19

All: 223.671 ± 0.821 χ^2/NDF : 4454.4/38

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: 0.555 $\pm$ 0.819 χ^2 /NDF: 212.8/19

Right Out: 10.944 $\pm$ 0.913 χ^2 /NDF: 302.5/18

Left In: 0.915 $\pm$ 0.855 χ^2 /NDF: 130.8/18

Left: 0.728 $\pm$ 0.592 χ^2 /NDF: 343.7/38

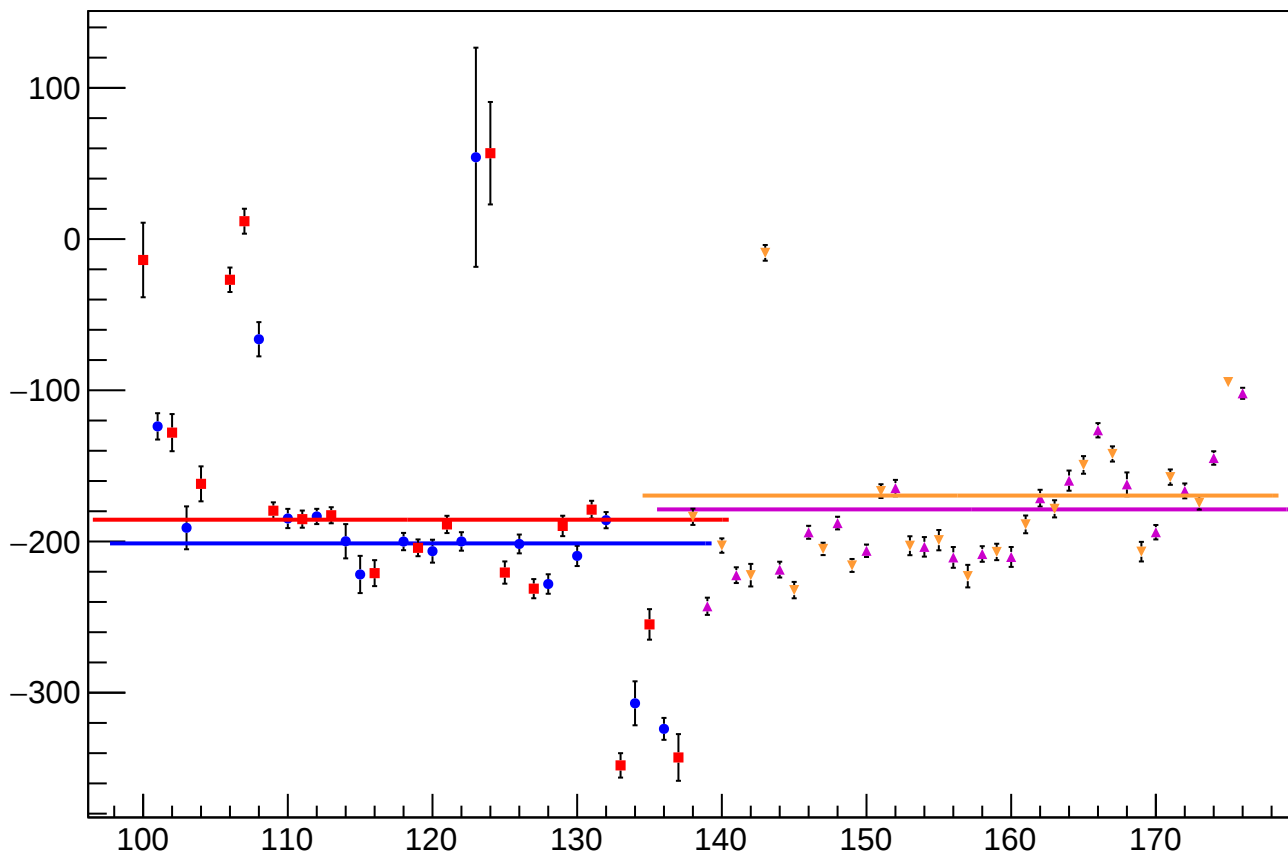
Right: 12.264 $\pm$ 0.654 χ^2 /NDF: 600.9/35

In: 6.706 $\pm$ 0.631 χ^2 /NDF: 525.7/35

Out: 5.189 $\pm$ 0.610 χ^2 /NDF: 587.0/38

All: 5.922 $\pm$ 0.439 χ^2 /NDF: 1115.8/74

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -169.627 ± 1.143 χ^2/NDF : 2154.5/19

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

Left In: -178.776 ± 1.162 χ^2/NDF : 1068.2/18

Left: -174.125 ± 0.815 χ^2/NDF : 3254.3/38

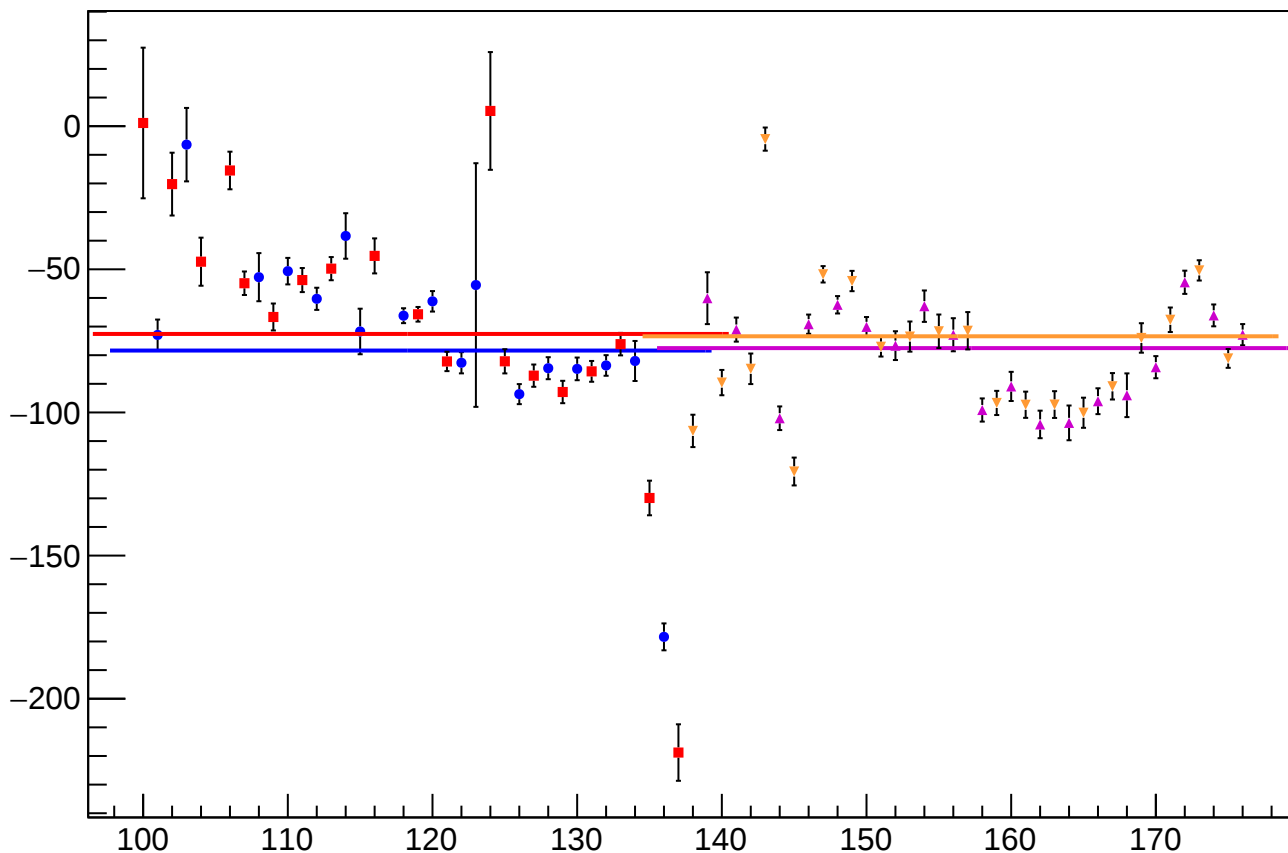
Right: -192.999 ± 1.234 χ^2/NDF : 2409.6/35

In: -185.416 ± 0.976 χ^2/NDF : 1802.2/35

Out: -174.598 ± 0.948 χ^2/NDF : 3961.3/38

All: -179.853 ± 0.680 χ^2/NDF : 5826.8/74

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: -73.395 ± 0.956 χ^2/NDF : 697.8/19

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

Left In: -77.527 ± 0.992 χ^2/NDF : 236.7/18

Left: -75.386 ± 0.688 χ^2/NDF : 943.5/38

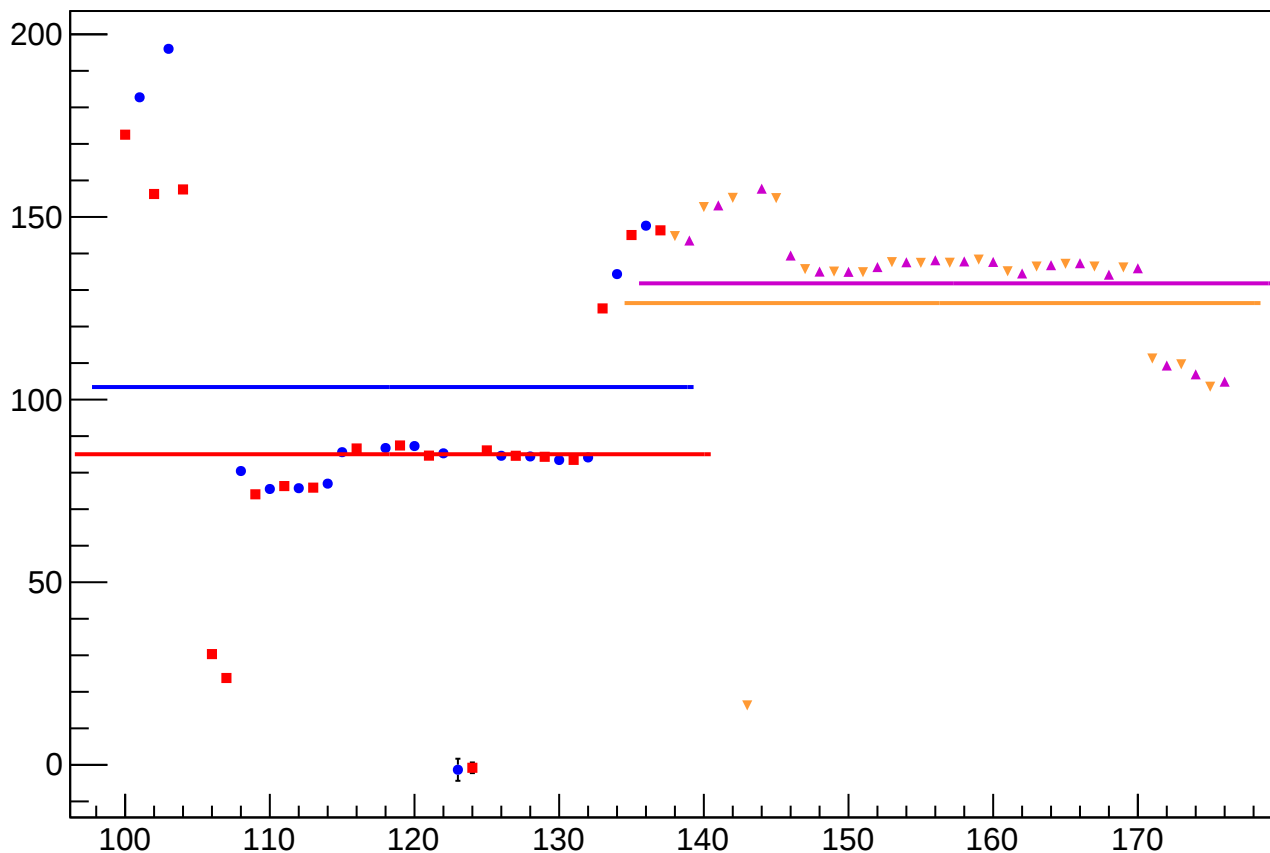
Right: -75.395 ± 0.754 χ^2/NDF : 1272.0/35

In: -77.915 ± 0.731 χ^2/NDF : 888.4/35

Out: -73.025 ± 0.708 χ^2/NDF : 1304.0/38

All: -75.390 ± 0.508 χ^2/NDF : 2215.5/74

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: 126.422 $\pm$ 0.046 χ^2 /NDF: 396290.9/19

Right Out: 85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

Left In: 131.825 $\pm$ 0.046 χ^2 /NDF: 100829.6/18

Left: 129.119 $\pm$ 0.033 χ^2 /NDF: 503987.4/38

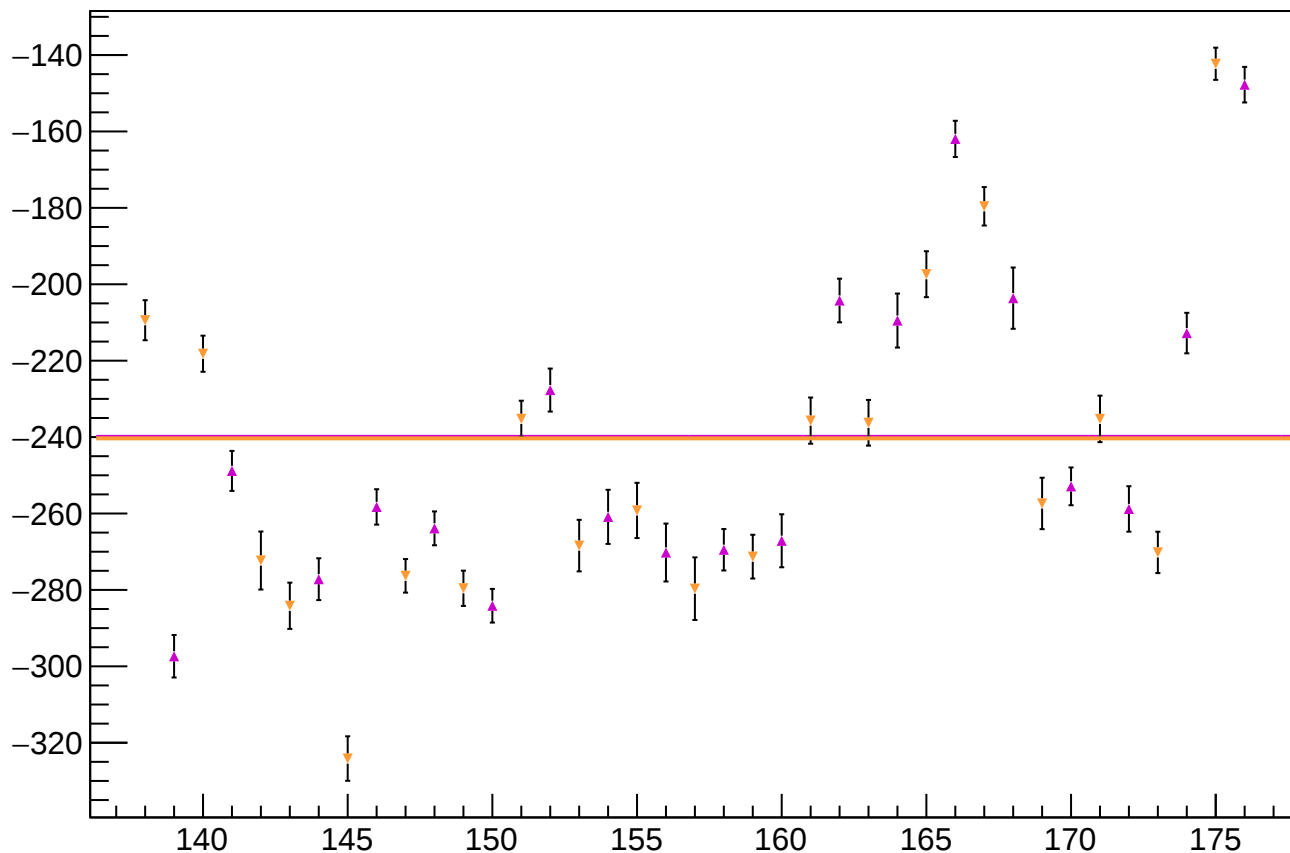
Right: 93.267 $\pm$ 0.047 χ^2 /NDF: 732362.9/35

In: 123.374 $\pm$ 0.039 χ^2 /NDF: 486284.6/35

Out: 112.227 $\pm$ 0.037 χ^2 /NDF: 1095504.1/38

All: 117.604 $\pm$ 0.027 χ^2 /NDF: 1624796.6/74

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: -240.329+/-1.243 χ^2/NDF :1328.0/19

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

Left In: -239.942+/-1.254 χ^2/NDF :1159.7/18

Left: -240.137+/-0.883 χ^2/NDF : 2487.8/38

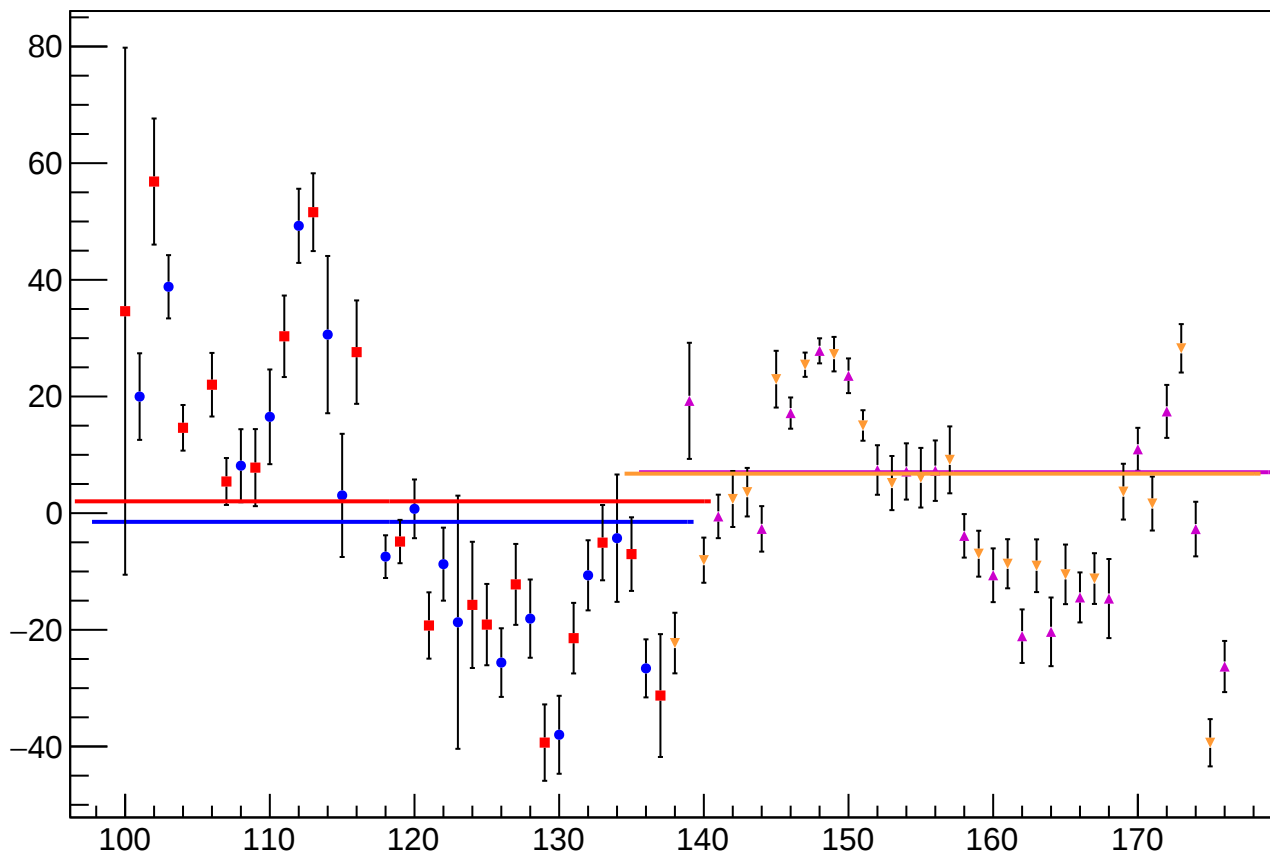
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -239.942+/-1.254 χ^2/NDF :1159.7/18

Out: -240.329+/-1.243 χ^2/NDF :1328.0/19

All: -240.137+/-0.883 χ^2/NDF : 2487.8/38

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: 6.772 ± 0.869 χ^2/NDF : 421.8/19

Right Out: 2.028 ± 1.400 χ^2/NDF : 233.3/18

Left In: 7.019 ± 0.897 χ^2/NDF : 336.9/18

Left: 6.891 ± 0.624 χ^2/NDF : 758.7/38

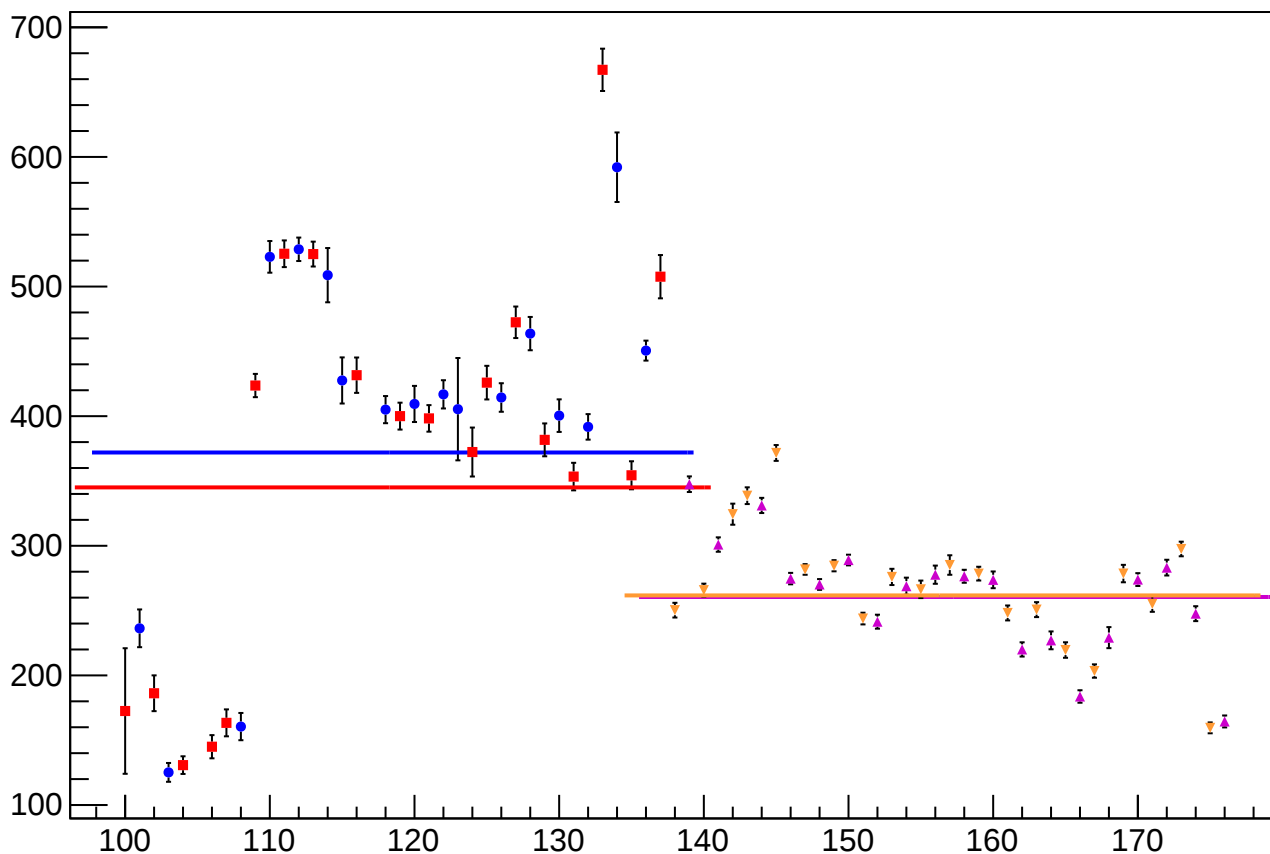
Right: 0.432 ± 1.035 χ^2/NDF : 462.1/35

In: 4.856 ± 0.774 χ^2/NDF : 585.7/35

Out: 5.452 ± 0.738 χ^2/NDF : 663.3/38

All: 5.168 ± 0.534 χ^2/NDF : 1249.4/74

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: 261.710 $\pm$ 1.229 χ^2 /NDF:1448.1/19

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

Left In: 260.497 $\pm$ 1.235 χ^2 /NDF:1310.8/18

Left: 261.106 $\pm$ 0.871 χ^2 /NDF: 2759.4/38

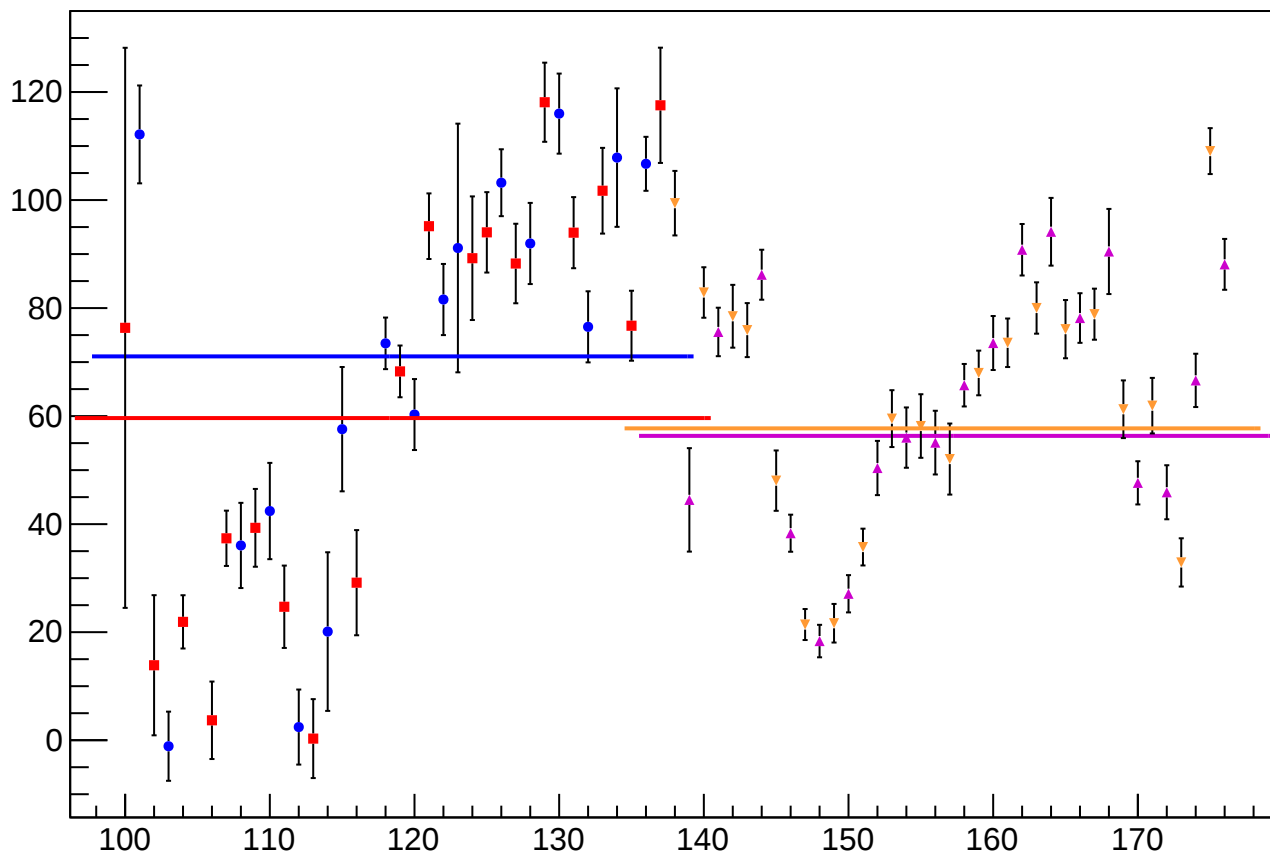
Right: 357.423 $\pm$ 1.883 χ^2 /NDF: 5898.6/35

In: 278.890 $\pm$ 1.128 χ^2 /NDF:5088.4/35

Out: 277.306 $\pm$ 1.108 χ^2 /NDF:5723.2/38

All: 278.084 $\pm$ 0.791 χ^2 /NDF: 10812.5/74

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: 57.730 $\pm$ 1.021 χ^2 /NDF: 661.0/19

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

Left In: 56.342 $\pm$ 1.046 χ^2 /NDF: 528.2/18

Left: 57.053 $\pm$ 0.731 χ^2 /NDF: 1190.1/38

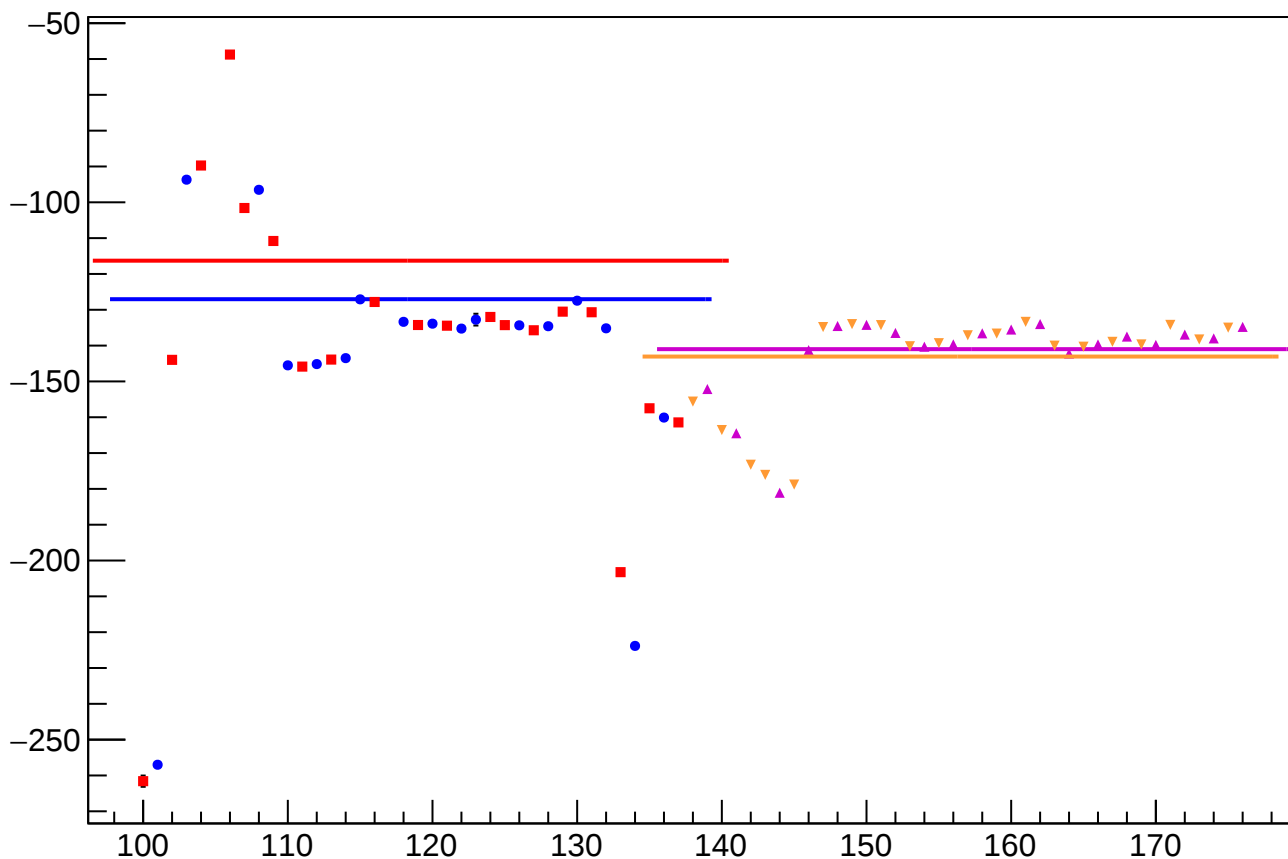
Right: 64.900 $\pm$ 1.198 χ^2 /NDF: 940.4/35

In: 60.171 $\pm$ 0.900 χ^2 /NDF: 1005.9/35

Out: 58.267 $\pm$ 0.865 χ^2 /NDF: 1153.7/38

All: 59.182 $\pm$ 0.624 χ^2 /NDF: 2161.9/74

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -143.058 ± 0.049 $\chi^2/\text{NDF}: 73367.2/19$

Right Out: -116.295 ± 0.083 $\chi^2/\text{NDF}: 167109.1/18$

Left In: -140.992 ± 0.049 $\chi^2/\text{NDF}: 45253.2/18$

Left: -142.017 ± 0.035 $\chi^2/\text{NDF}: 119500.2/38$

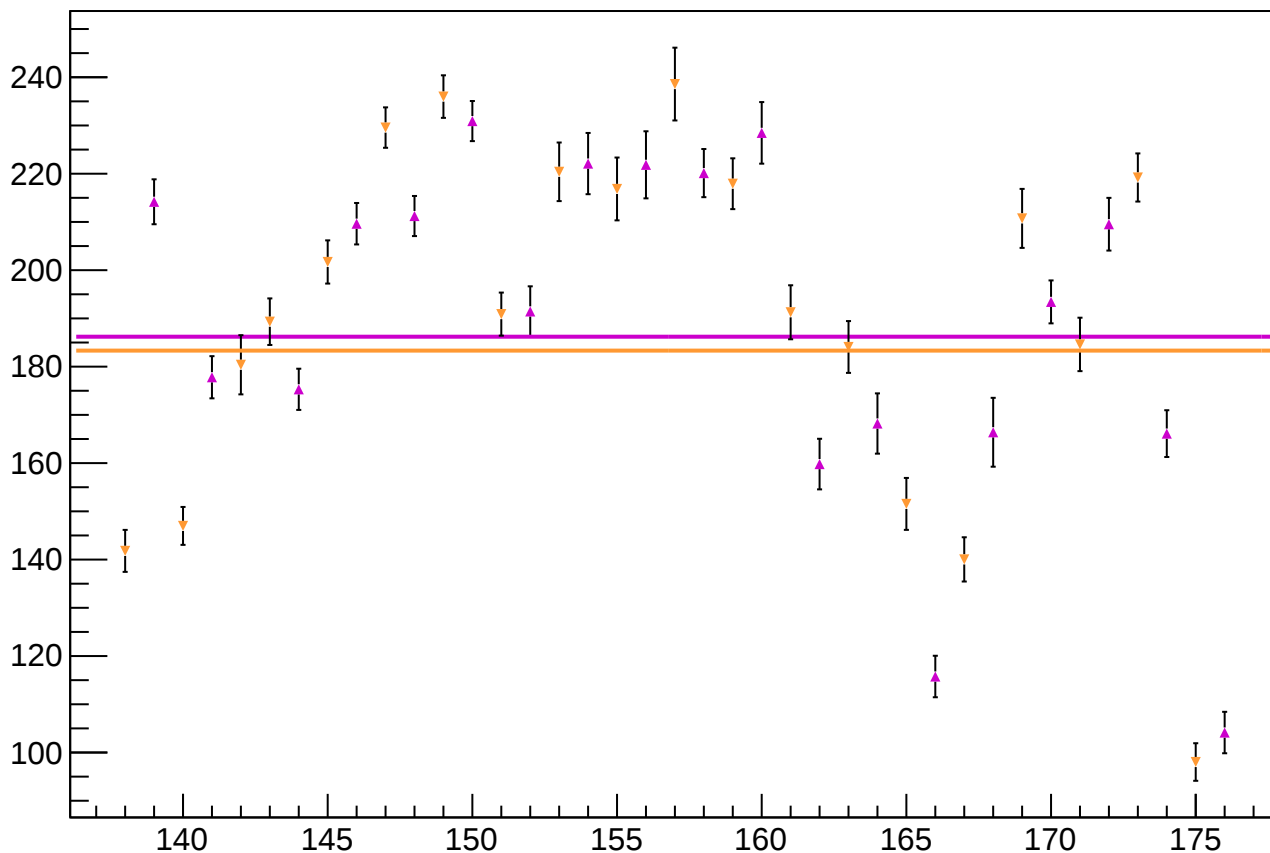
Right: -121.250 ± 0.061 $\chi^2/\text{NDF}: 341860.6/35$

In: -137.786 ± 0.043 $\chi^2/\text{NDF}: 230841.5/35$

Out: -136.046 ± 0.042 $\chi^2/\text{NDF}: 317236.9/38$

All: -136.904 ± 0.030 $\chi^2/\text{NDF}: 548905.6/74$

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: 183.326+/-1.109 χ^2/NDF :1300.3/19

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

Left In: 186.208+/-1.128 χ^2/NDF :1089.4/18

Left: 184.742+/-0.791 χ^2/NDF : 2393.1/38

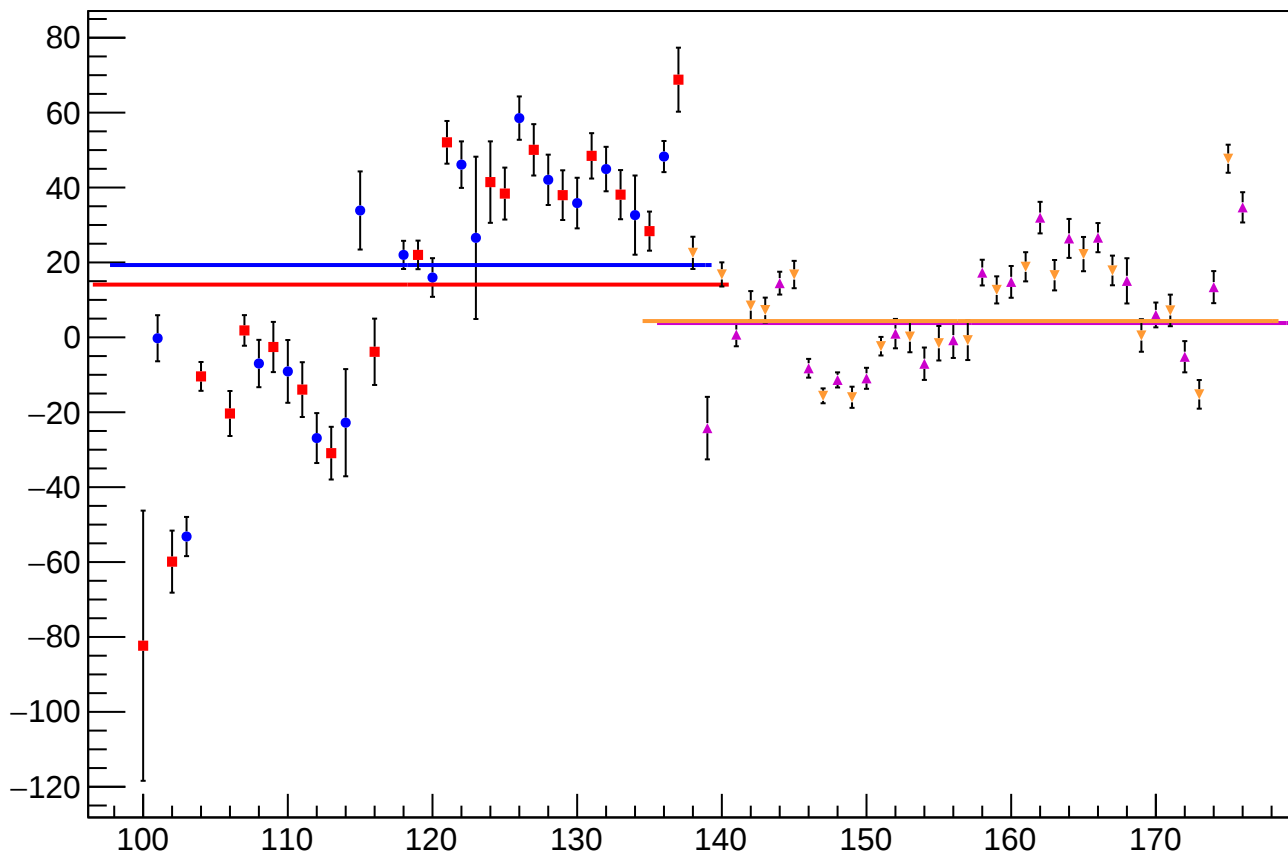
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 186.208+/-1.128 χ^2/NDF :1089.4/18

Out: 183.326+/-1.109 χ^2/NDF :1300.3/19

All: 184.742+/-0.791 χ^2/NDF : 2393.1/38

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 $\pm$ 1.500 χ^2 /NDF: 441.3/16

Left Out: 4.348 $\pm$ 0.784 χ^2 /NDF: 426.6/19

Right Out: 14.083 $\pm$ 1.390 χ^2 /NDF: 436.9/18

Left In: 3.822 $\pm$ 0.813 χ^2 /NDF: 331.8/18

Left: 4.095 $\pm$ 0.564 χ^2 /NDF: 758.6/38

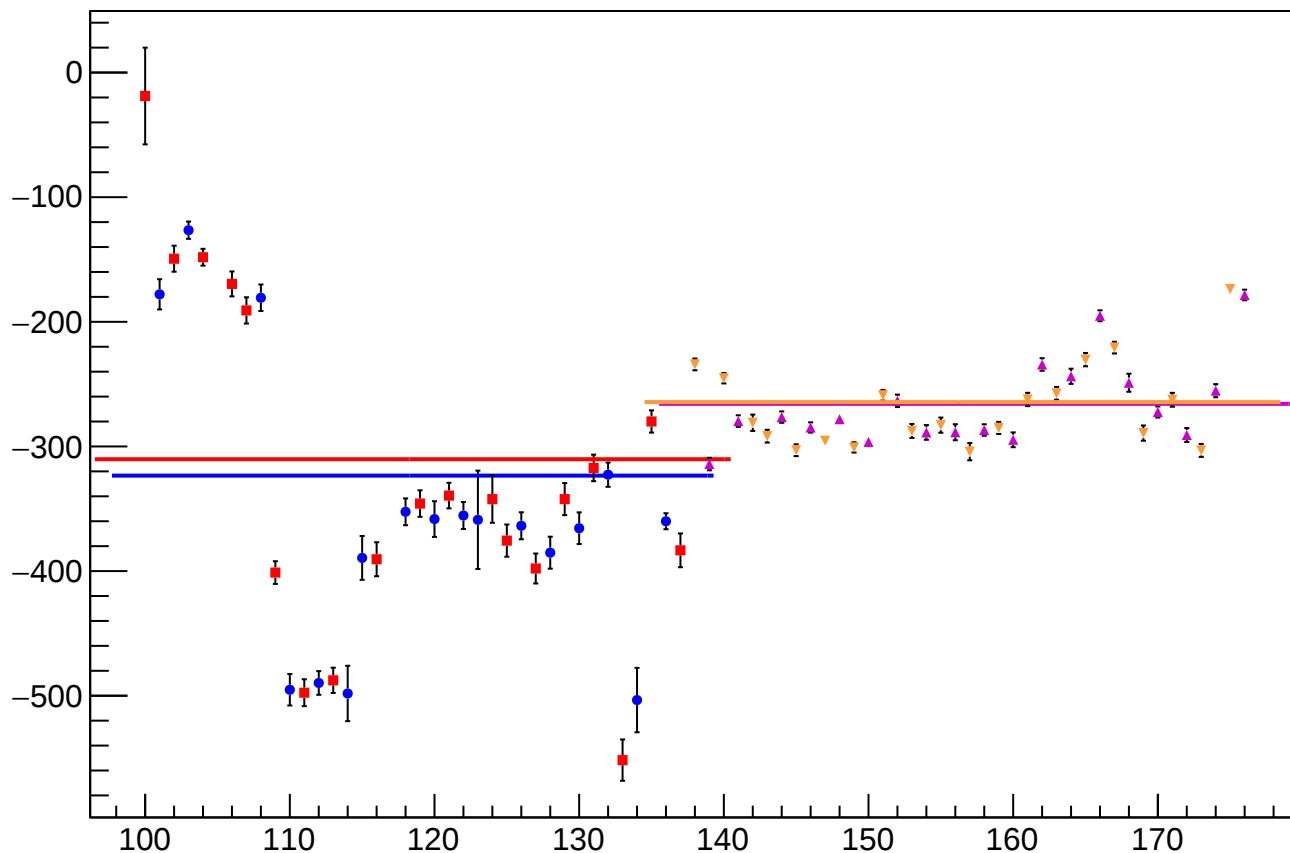
Right: 16.496 $\pm$ 1.020 χ^2 /NDF: 884.7/35

In: 7.340 $\pm$ 0.715 χ^2 /NDF: 855.4/35

Out: 6.697 $\pm$ 0.683 χ^2 /NDF: 900.8/38

All: 7.004 $\pm$ 0.494 χ^2 /NDF: 1756.6/74

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 ± 2.684 χ^2/NDF : 1849.6/16

Left Out: -264.400 ± 1.103 χ^2/NDF : 1127.4/19

Right Out: -310.236 ± 2.523 χ^2/NDF : 2298.8/18

Left In: -265.807 ± 1.115 χ^2/NDF : 1037.4/18

Left: -265.096 ± 0.784 χ^2/NDF : 2165.5/38

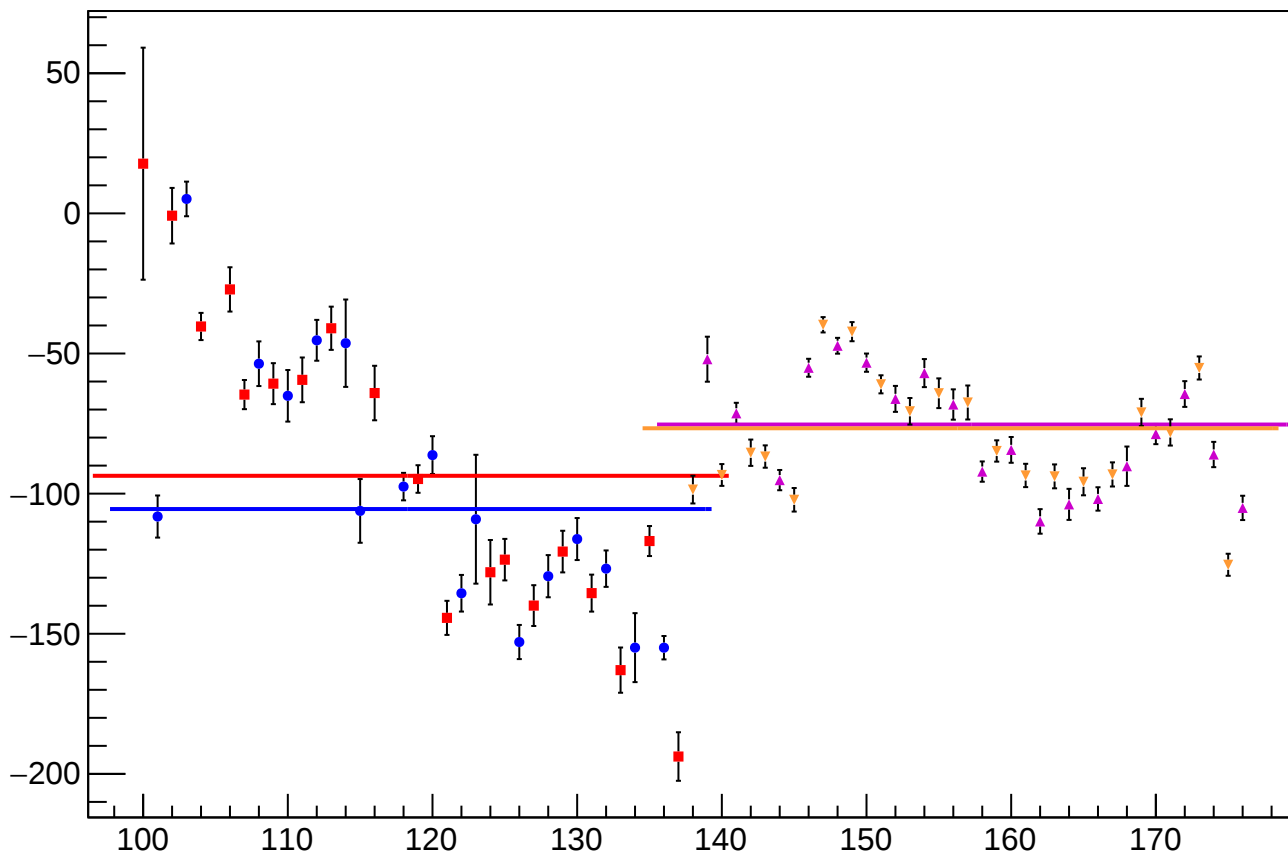
Right: -316.413 ± 1.838 χ^2/NDF : 4161.2/35

In: -274.283 ± 1.030 χ^2/NDF : 3279.7/35

Out: -271.748 ± 1.010 χ^2/NDF : 3703.2/38

All: -272.991 ± 0.721 χ^2/NDF : 6986.0/74

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: -76.681 ± 0.919 χ^2/NDF : 651.2/19

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

Left In: -75.345 ± 0.947 χ^2/NDF : 462.3/18

Left: -76.033 ± 0.660 χ^2/NDF : 1114.6/38

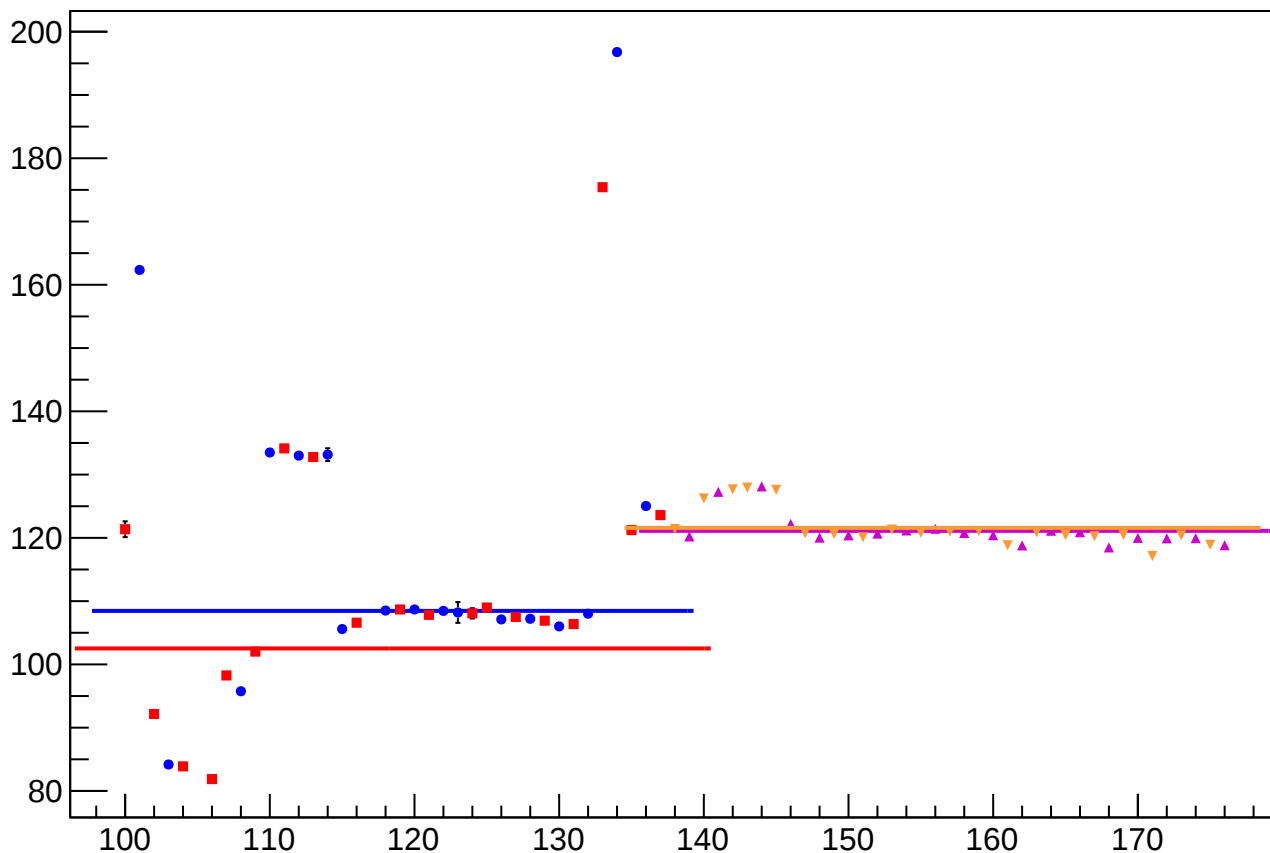
Right: -99.203 ± 1.173 χ^2/NDF : 1589.9/35

In: -82.414 ± 0.829 χ^2/NDF : 1437.1/35

Out: -80.845 ± 0.798 χ^2/NDF : 1562.0/38

All: -81.600 ± 0.575 χ^2/NDF : 3000.9/74

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 ± 0.085 χ^2/NDF : 73301.9/16

Left Out: 121.586 ± 0.044 χ^2/NDF : 4351.9/19

Right Out: 102.521 ± 0.080 χ^2/NDF : 52992.1/18

Left In: 121.107 ± 0.044 χ^2/NDF : 2939.8/18

Left: 121.347 ± 0.031 χ^2/NDF : 7350.4/38

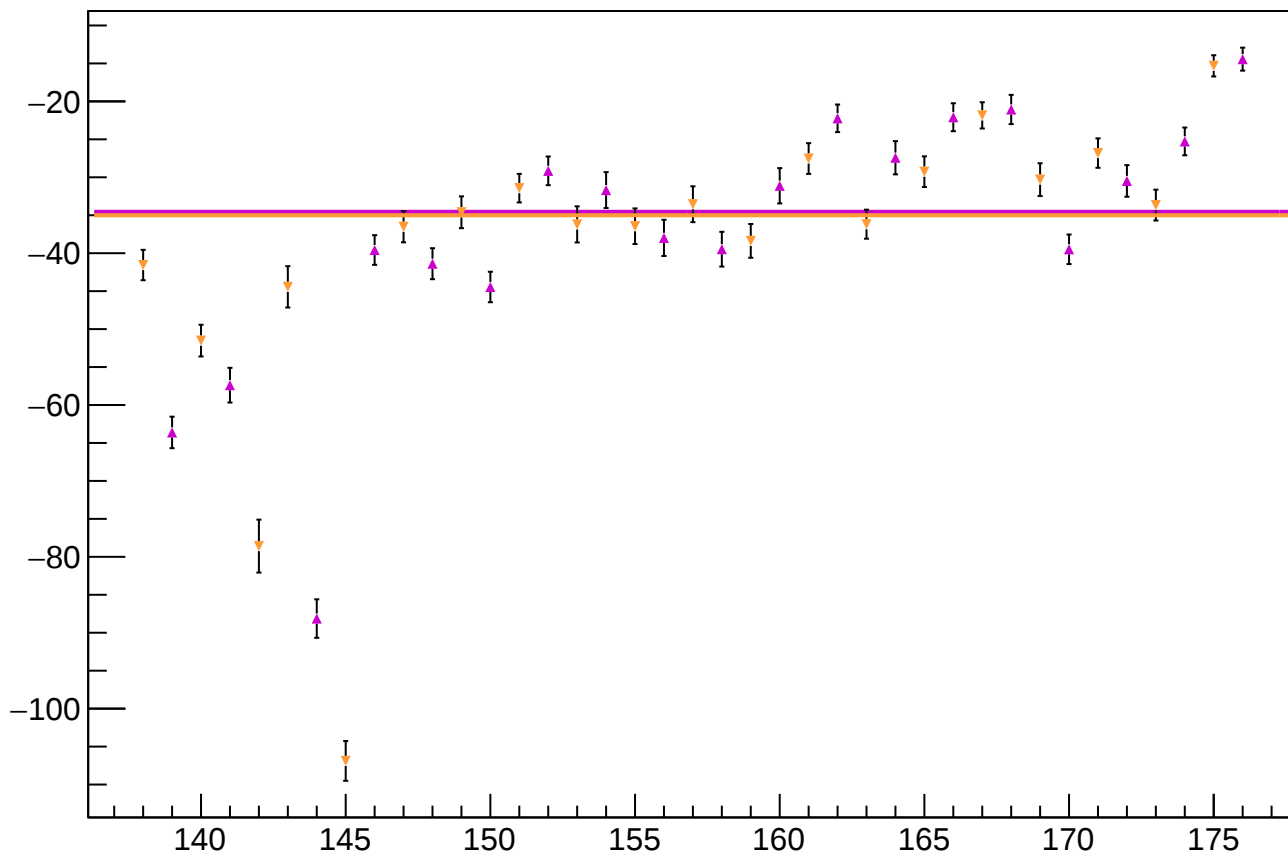
Right: 105.294 ± 0.058 χ^2/NDF : 128896.1/35

In: 118.409 ± 0.039 χ^2/NDF : 93657.6/35

Out: 117.080 ± 0.039 χ^2/NDF : 101207.4/38

All: 117.735 ± 0.028 χ^2/NDF : 195446.5/74

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: -35.006+/-0.463 χ^2/NDF :1304.1/19

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

Left In: -34.549+/-0.464 χ^2/NDF :1166.2/18

Left: -34.778+/-0.328 χ^2/NDF : 2470.8/38

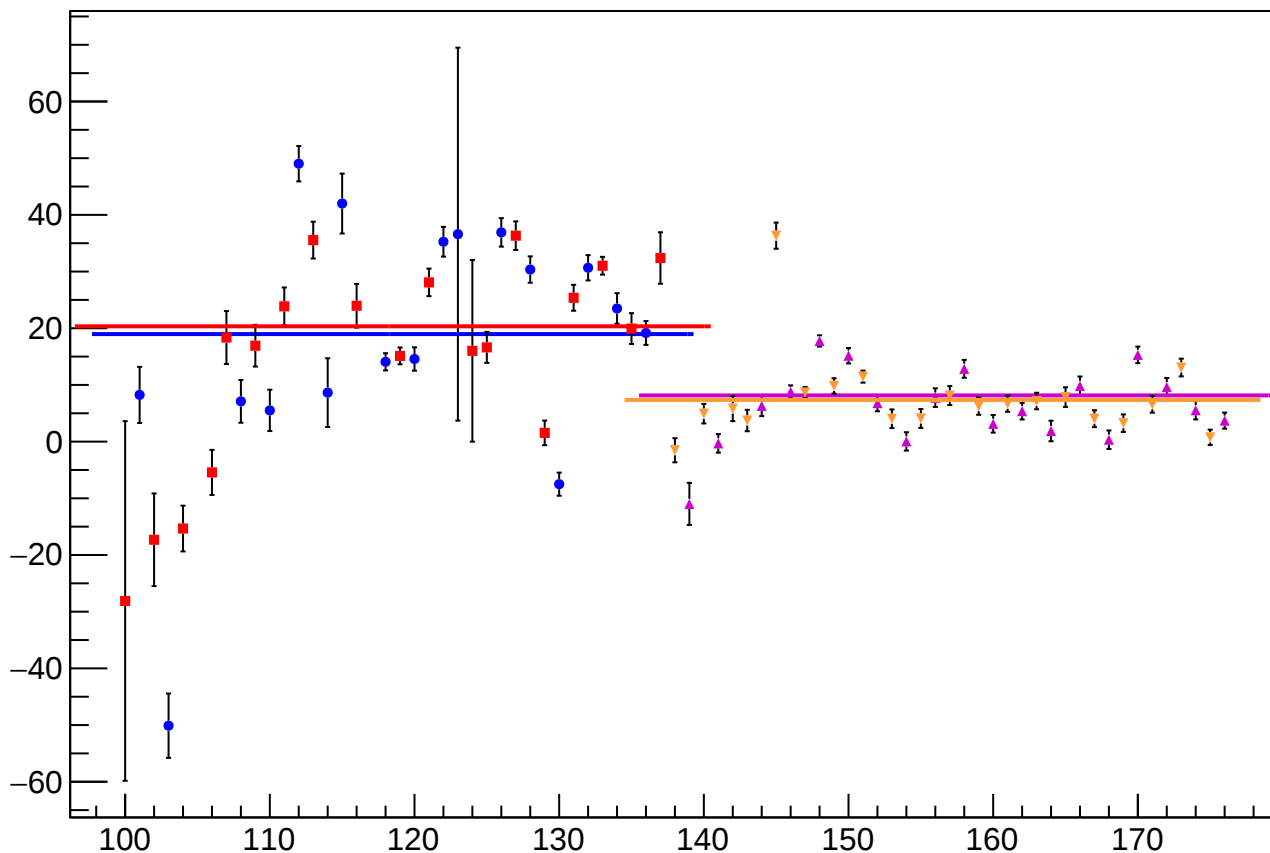
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.549+/-0.464 χ^2/NDF :1166.2/18

Out: -35.006+/-0.463 χ^2/NDF :1304.1/19

All: -34.778+/-0.328 χ^2/NDF : 2470.8/38

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: 7.359 $\pm$ 0.337 χ^2 /NDF: 259.2/19

Right Out: 20.338 $\pm$ 0.642 χ^2 /NDF: 366.4/18

Left In: 8.155 $\pm$ 0.346 χ^2 /NDF: 297.0/18

Left: 7.747 $\pm$ 0.241 χ^2 /NDF: 558.9/38

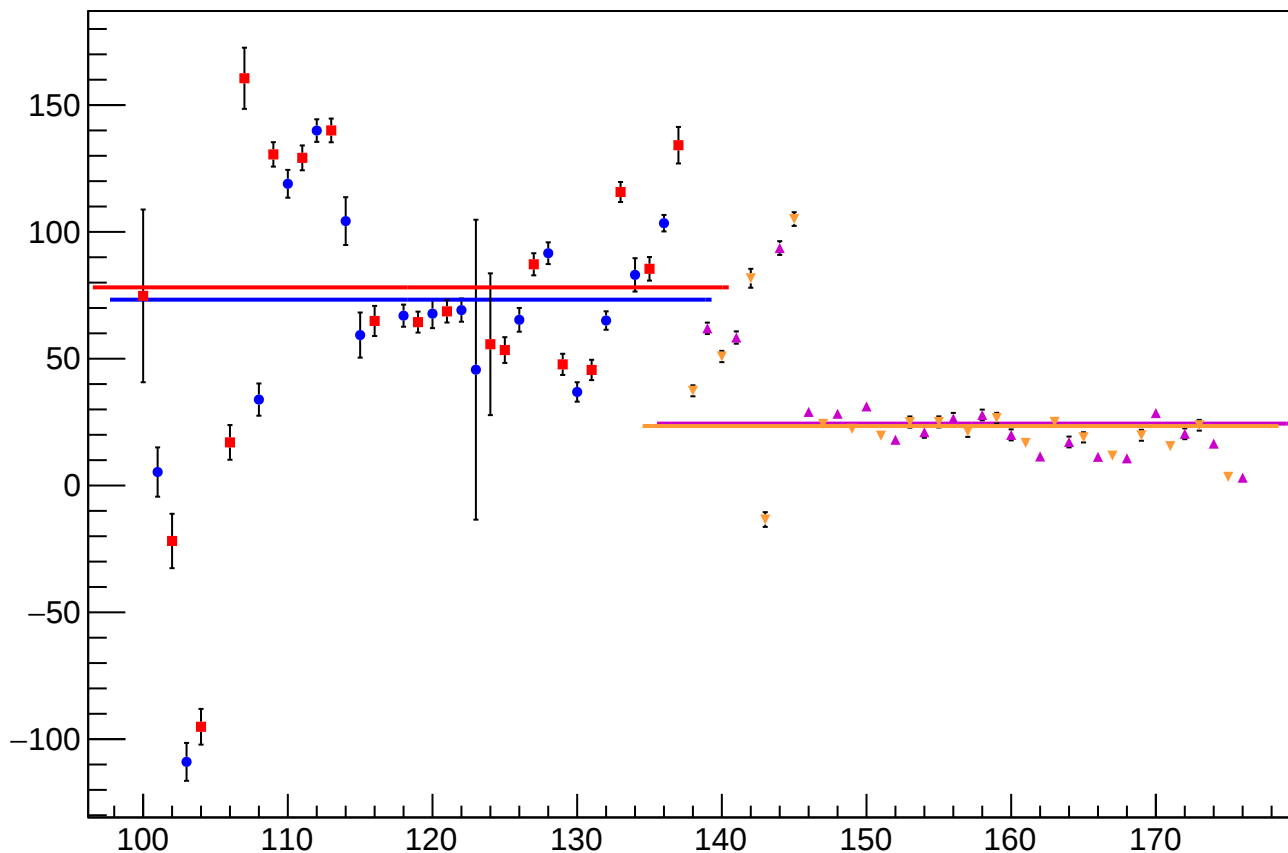
Right: 19.666 $\pm$ 0.458 χ^2 /NDF: 987.0/35

In: 10.522 $\pm$ 0.306 χ^2 /NDF: 1129.6/35

Out: 10.164 $\pm$ 0.299 χ^2 /NDF: 945.8/38

All: 10.339 $\pm$ 0.214 χ^2 /NDF: 2076.1/74

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 23.453 $\pm$ 0.457 χ^2 /NDF:1804.7/19

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

Left In: 24.410 $\pm$ 0.458 χ^2 /NDF:1561.0/18

Left: 23.931 $\pm$ 0.323 χ^2 /NDF: 3367.9/38

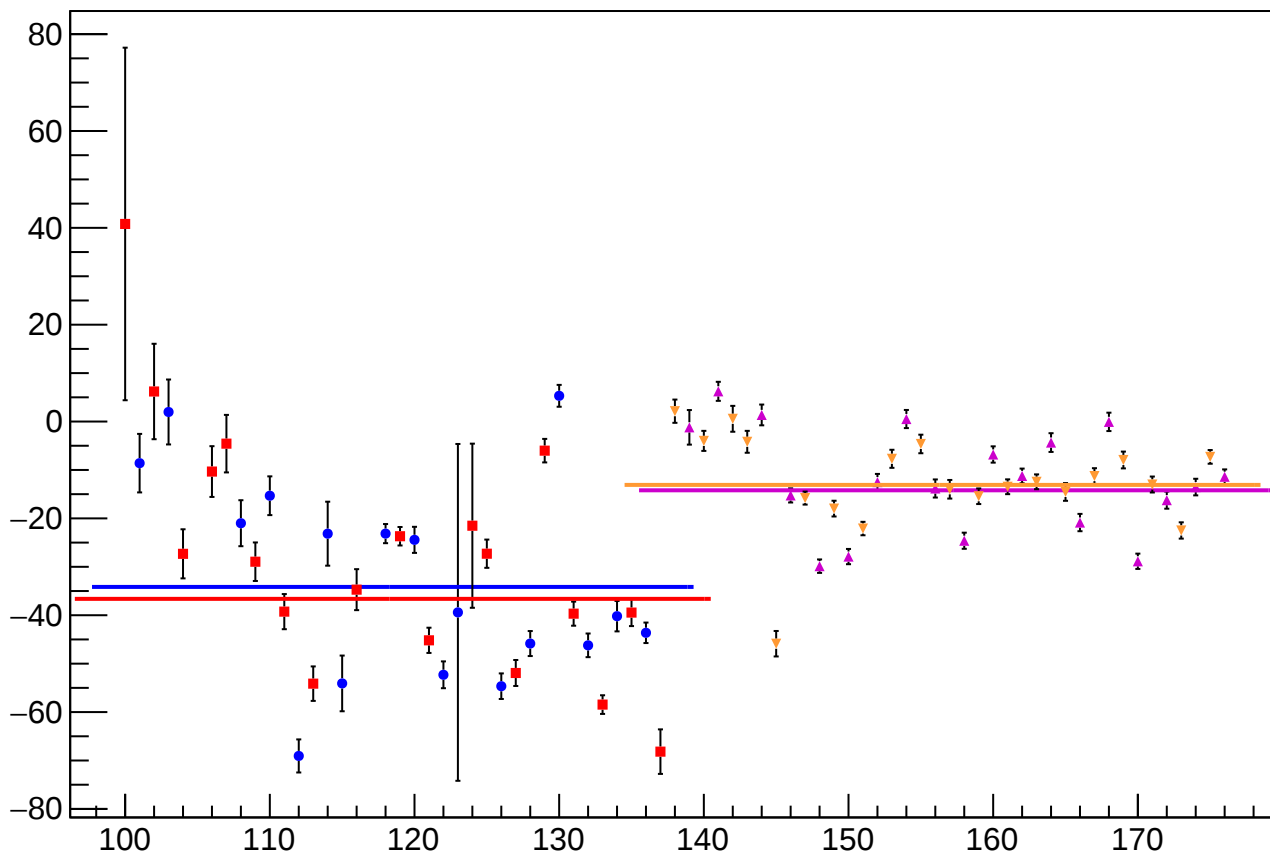
Right: 75.732 $\pm$ 0.869 χ^2 /NDF: 2749.7/35

In: 30.295 $\pm$ 0.429 χ^2 /NDF:4133.6/35

Out: 30.161 $\pm$ 0.428 χ^2 /NDF:5102.8/38

All: 30.228 $\pm$ 0.303 χ^2 /NDF: 9236.5/74

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: -13.084 ± 0.388 χ^2/NDF : 401.0/19

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

Left In: -14.202 ± 0.396 χ^2/NDF : 688.7/18

Left: -13.631 ± 0.277 χ^2/NDF : 1093.8/38

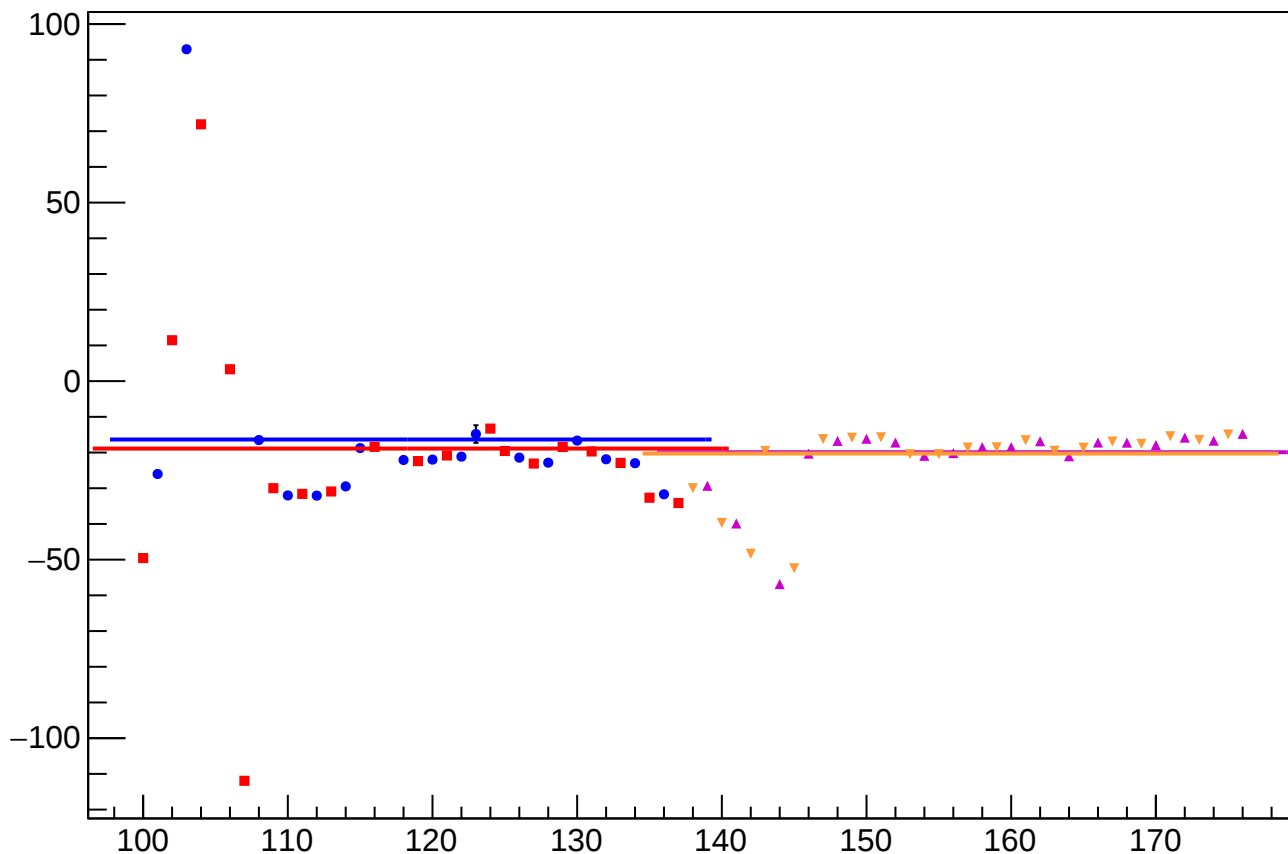
Right: -35.401 ± 0.523 χ^2/NDF : 1270.0/35

In: -18.603 ± 0.350 χ^2/NDF : 1965.4/35

Out: -18.205 ± 0.343 χ^2/NDF : 1748.4/38

All: -18.400 ± 0.245 χ^2/NDF : 3714.5/74

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: -20.282 ± 0.018 $\chi^2/\text{NDF}: 208054.8/19$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

Left In: -19.923 ± 0.018 $\chi^2/\text{NDF}: 174530.8/18$

Left: -20.100 ± 0.013 $\chi^2/\text{NDF}: 382785.3/38$

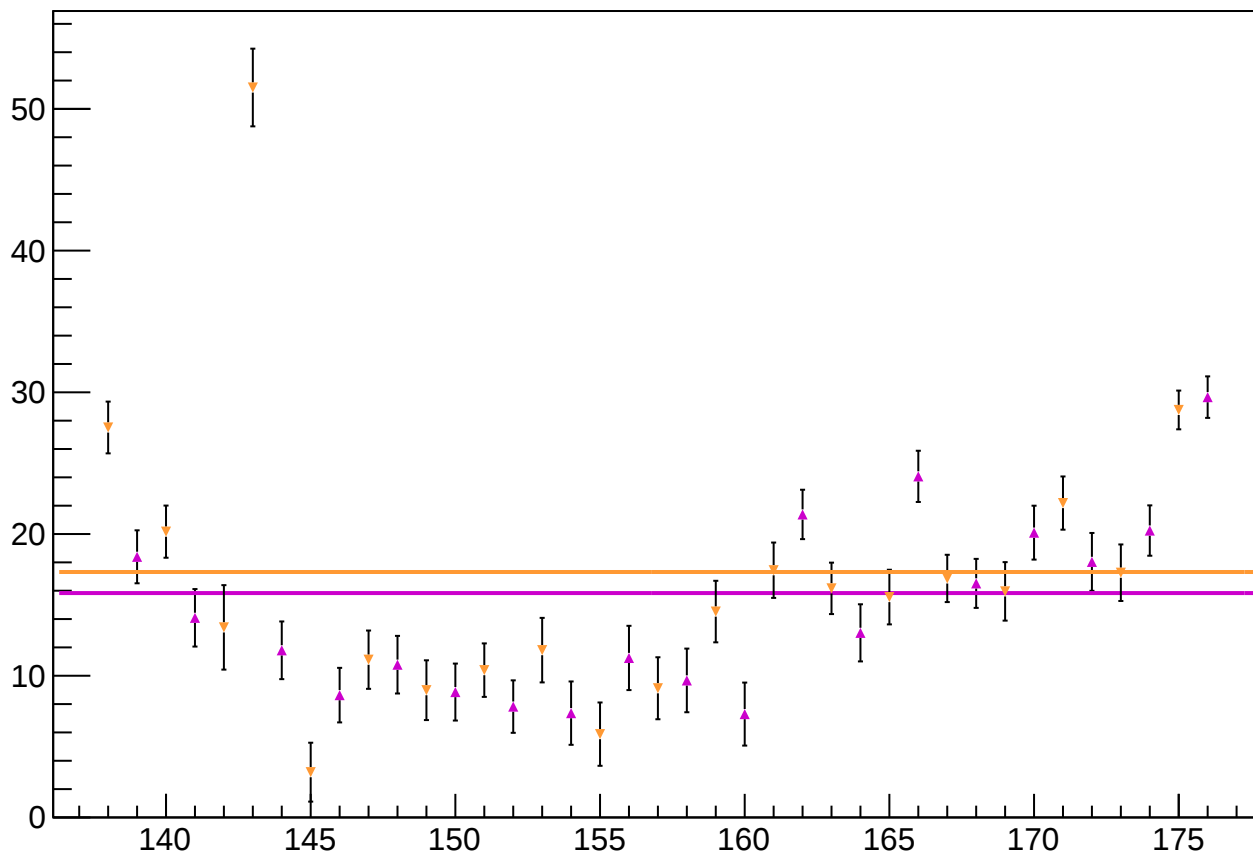
Right: -17.599 ± 0.032 $\chi^2/\text{NDF}: 909577.8/35$

In: -19.428 ± 0.017 $\chi^2/\text{NDF}: 654245.0/35$

Out: -20.090 ± 0.017 $\chi^2/\text{NDF}: 642667.5/38$

All: -19.755 ± 0.012 $\chi^2/\text{NDF}: 1297697.9/74$

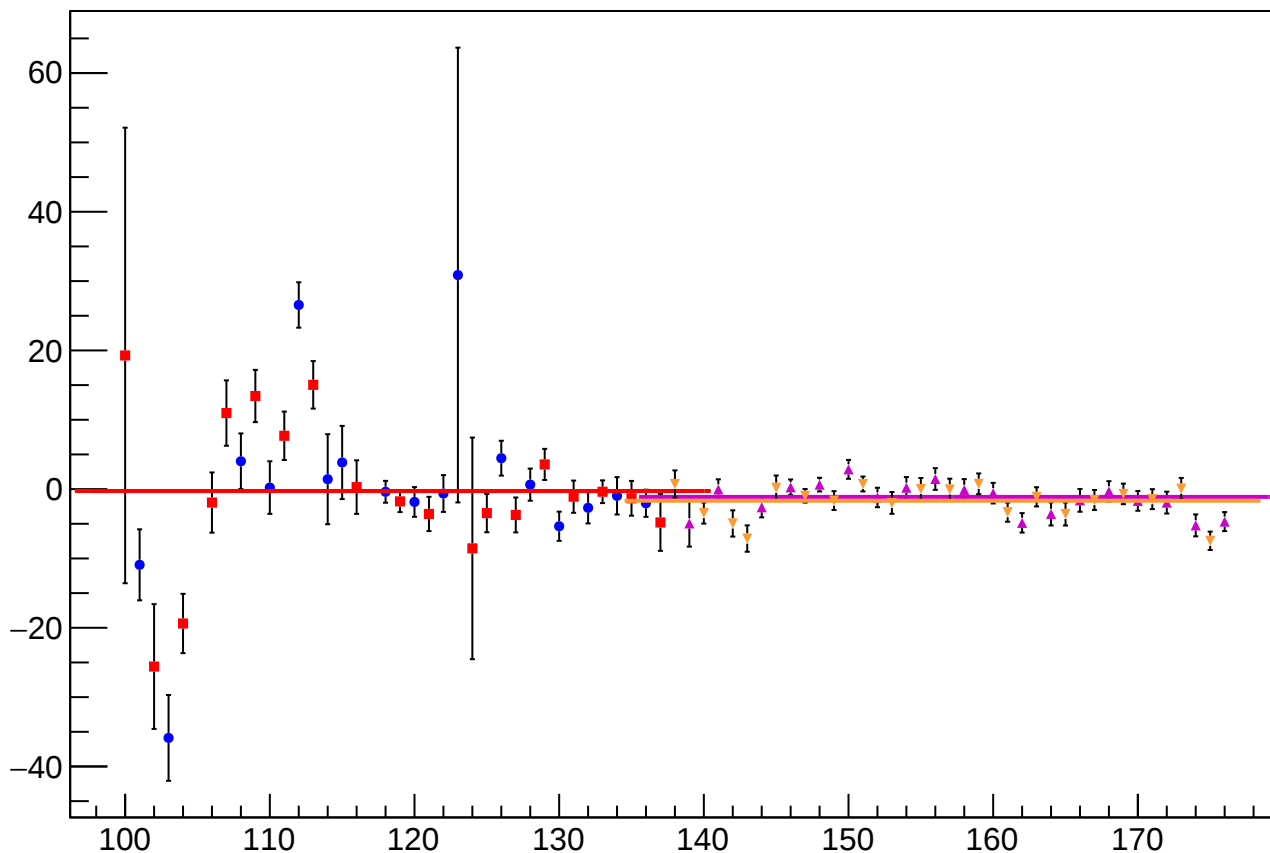
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 17.321 $\pm$ 0.442 χ^2/NDF :401.4/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 15.834 $\pm$ 0.441 χ^2/NDF :232.7/18

Left: 16.577 $\pm$ 0.312 χ^2/NDF : 639.8/38
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 15.834 $\pm$ 0.441 χ^2/NDF :232.7/18
 Out: 17.321 $\pm$ 0.442 χ^2/NDF :401.4/19
 All: 16.577 $\pm$ 0.312 χ^2/NDF : 639.8/38

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.677 ± 0.324 χ^2/NDF : 49.4/19

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

Left In: -1.123 ± 0.331 χ^2/NDF : 43.7/18

Left: -1.406 ± 0.232 χ^2/NDF : 94.5/38

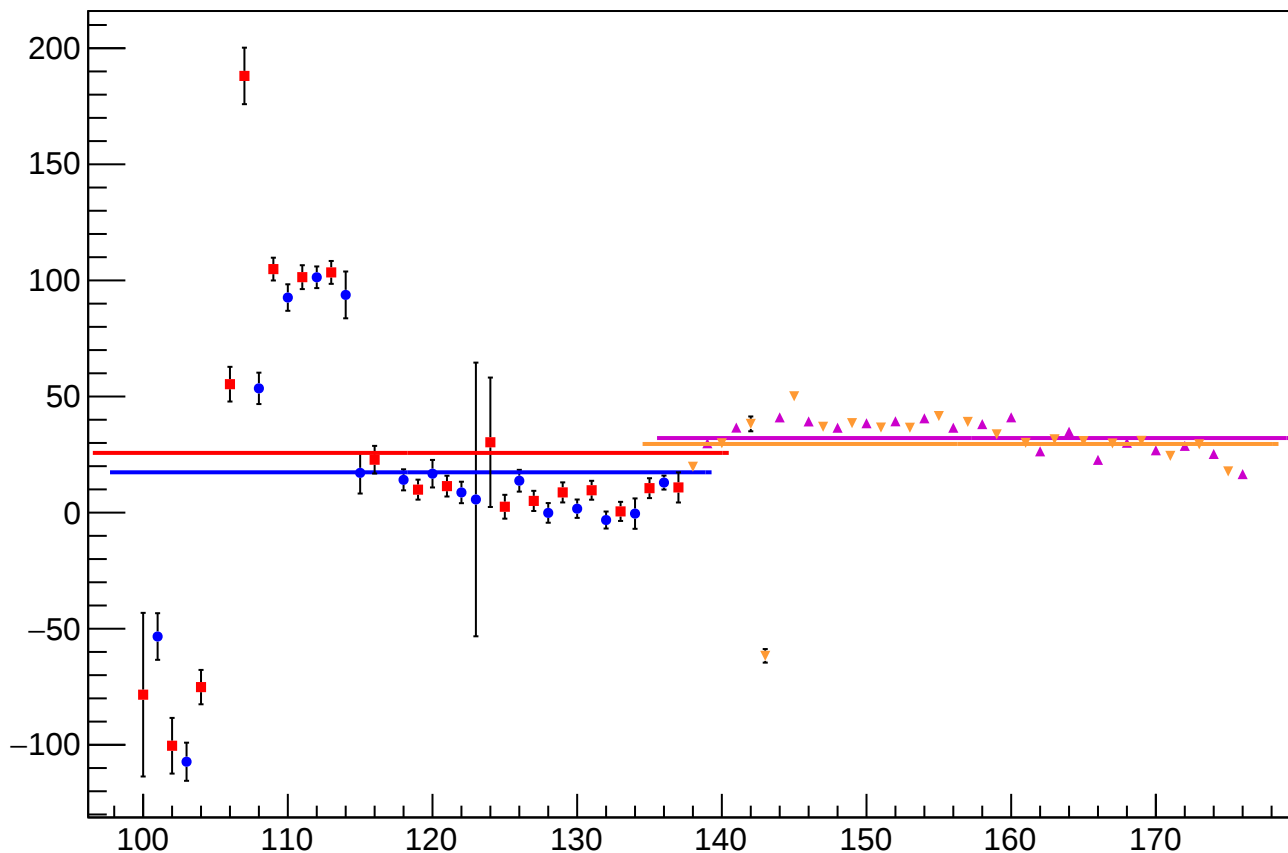
Right: -0.275 ± 0.466 χ^2/NDF : 202.7/35

In: -0.954 ± 0.296 χ^2/NDF : 164.6/35

Out: -1.401 ± 0.291 χ^2/NDF : 136.3/38

All: -1.182 ± 0.207 χ^2/NDF : 302.0/74

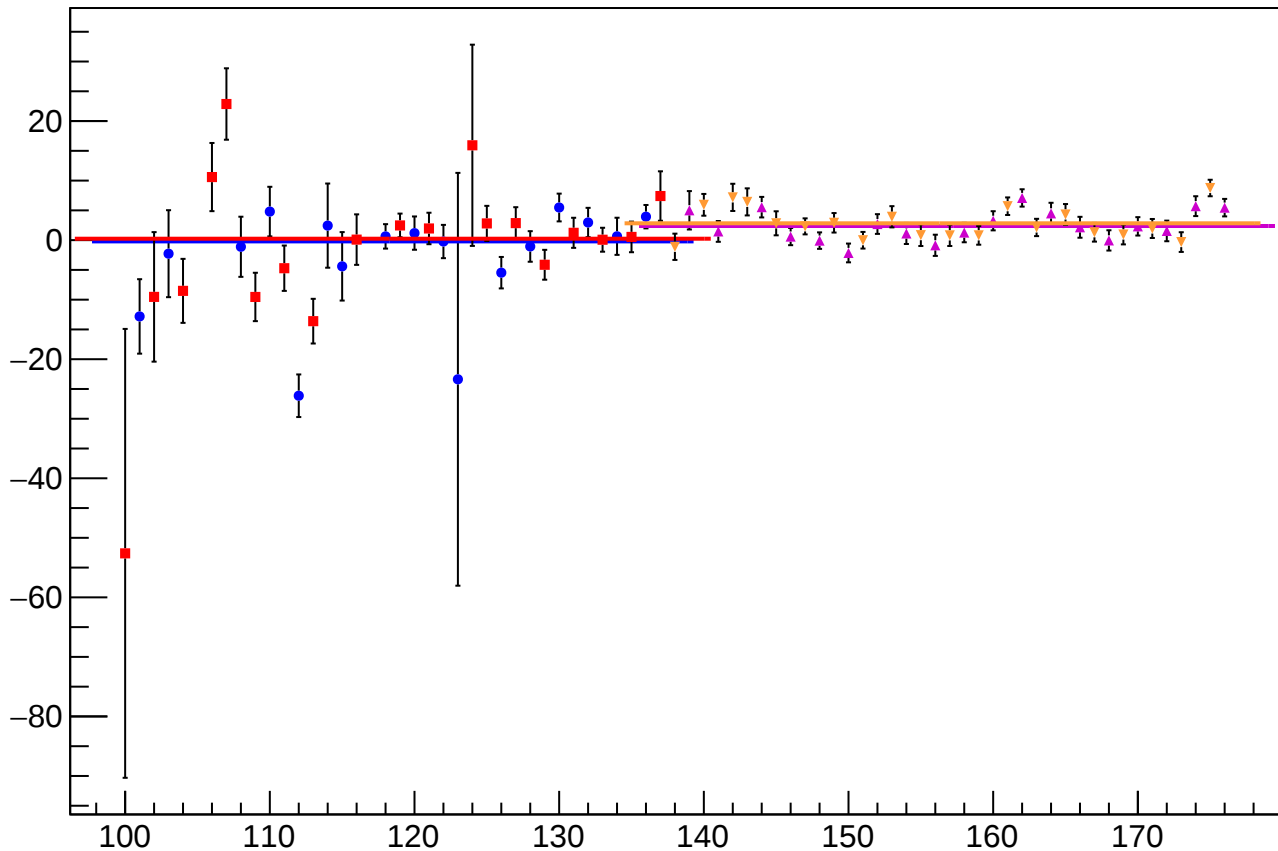
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 $\pm$ 1.247 χ^2 /NDF: 943.0/16
 Left Out: 29.565 $\pm$ 0.437 χ^2 /NDF:1299.0/19
 Right Out: 25.717 $\pm$ 1.243 χ^2 /NDF: 1378.8/18
 Left In: 32.113 $\pm$ 0.436 χ^2 /NDF:297.8/18

Left: 30.841 $\pm$ 0.309 χ^2 /NDF: 1613.8/38
 Right: 21.552 $\pm$ 0.880 χ^2 /NDF: 2344.4/35
 In: 30.504 $\pm$ 0.412 χ^2 /NDF:1365.5/35
 Out: 29.141 $\pm$ 0.412 χ^2 /NDF:2686.3/38
 All: 29.823 $\pm$ 0.291 χ^2 /NDF: 4057.3/74

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: 2.828 ± 0.372 χ^2/NDF : 50.2/19

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

Left In: 2.374 ± 0.379 χ^2/NDF : 44.4/18

Left: 2.605 ± 0.266 χ^2/NDF : 95.3/38

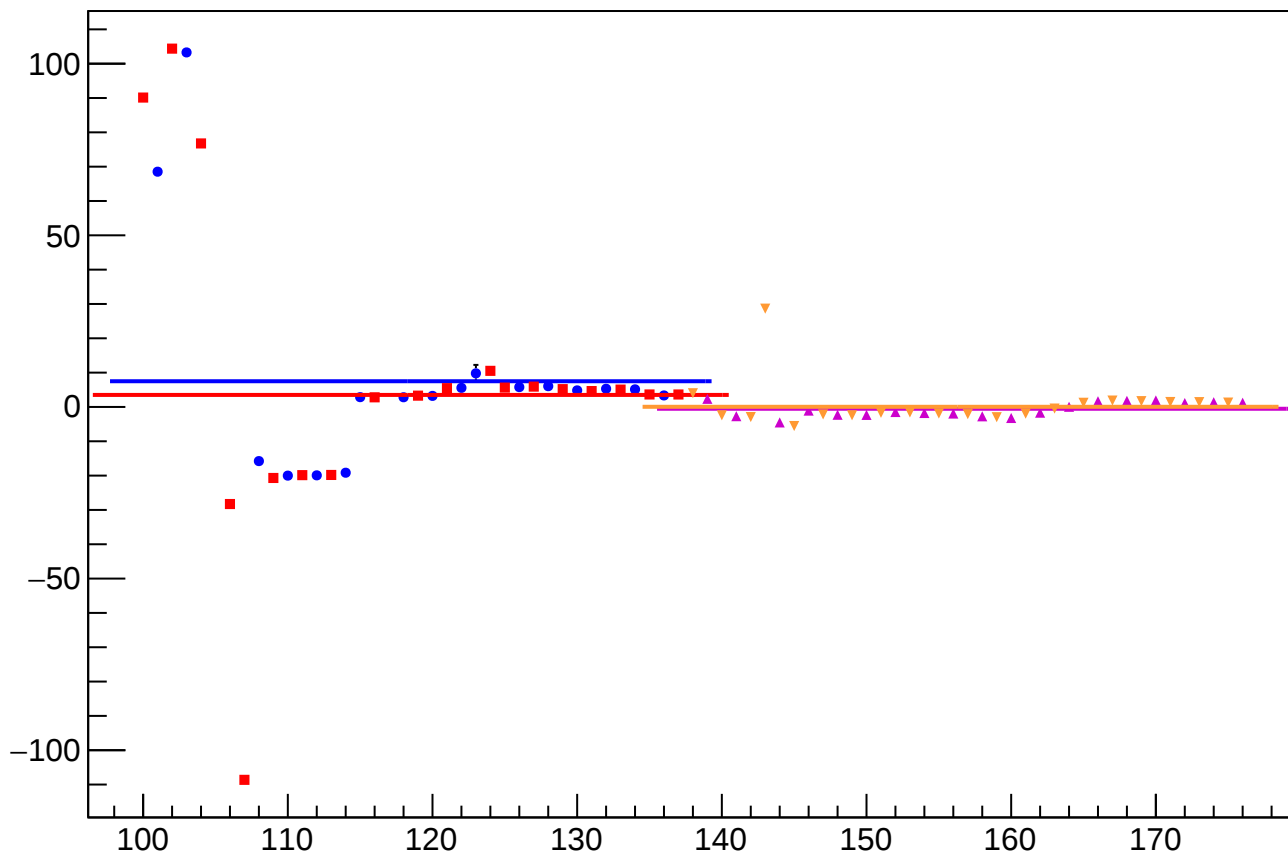
Right: 0.015 ± 0.530 χ^2/NDF : 130.6/35

In: 1.850 ± 0.338 χ^2/NDF : 129.7/35

Out: 2.315 ± 0.333 χ^2/NDF : 114.3/38

All: 2.086 ± 0.238 χ^2/NDF : 244.9/74

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: 0.048+/-0.017 χ^2/NDF : 77220.0/19

Right Out: 3.504+/-0.046 χ^2/NDF : 510579.4/18

Left In: -0.529+/-0.017 χ^2/NDF : 13623.8/18

Left: -0.244+/-0.012 χ^2/NDF : 91410.1/38

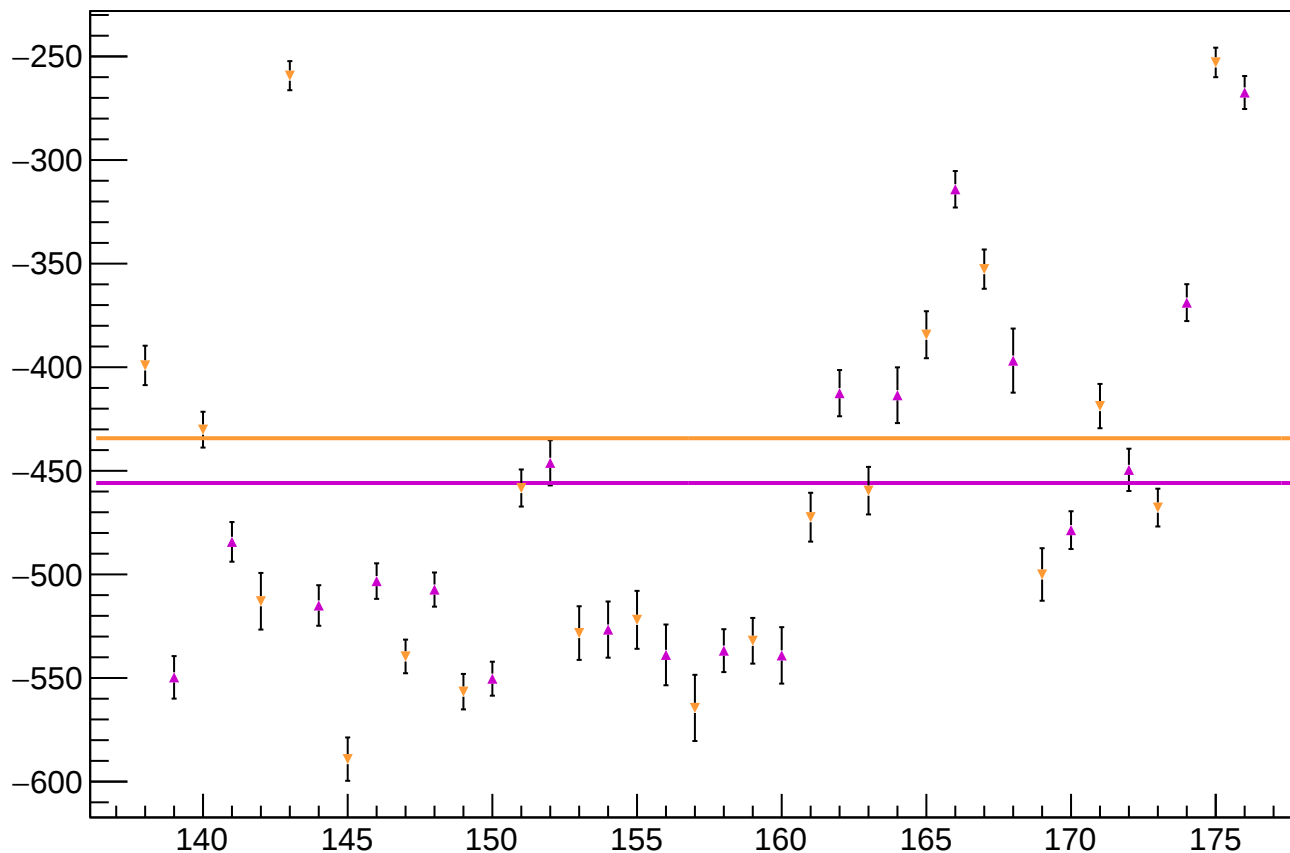
Right: 5.541+/-0.032 χ^2/NDF : 870462.8/35

In: 0.490+/-0.016 χ^2/NDF : 397792.9/35

Out: 0.480+/-0.016 χ^2/NDF : 592818.8/38

All: 0.485+/-0.011 χ^2/NDF : 990611.9/74

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: -434.274+/-2.213 χ^2/NDF :2304.2/19

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

Left In: -455.885+/-2.307 χ^2/NDF :1451.3/18

Left: -444.634+/-1.597 χ^2/NDF : 3801.3/38

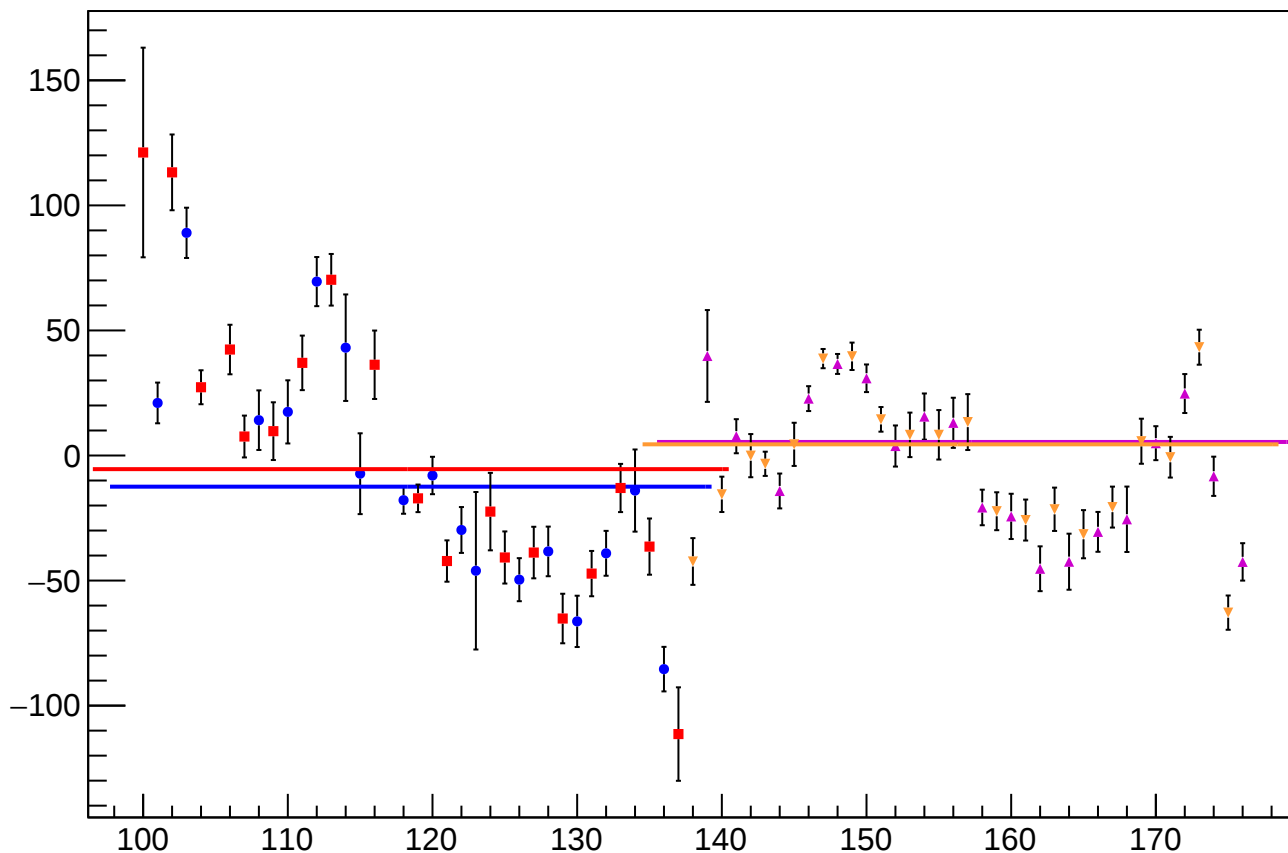
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -455.885+/-2.307 χ^2/NDF :1451.3/18

Out: -434.274+/-2.213 χ^2/NDF :2304.2/19

All: -444.634+/-1.597 χ^2/NDF : 3801.3/38

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: 4.472 ± 1.553 χ^2/NDF : 348.0/19

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

Left In: 5.416 ± 1.658 χ^2/NDF : 258.8/18

Left: 4.914 ± 1.133 χ^2/NDF : 606.9/38

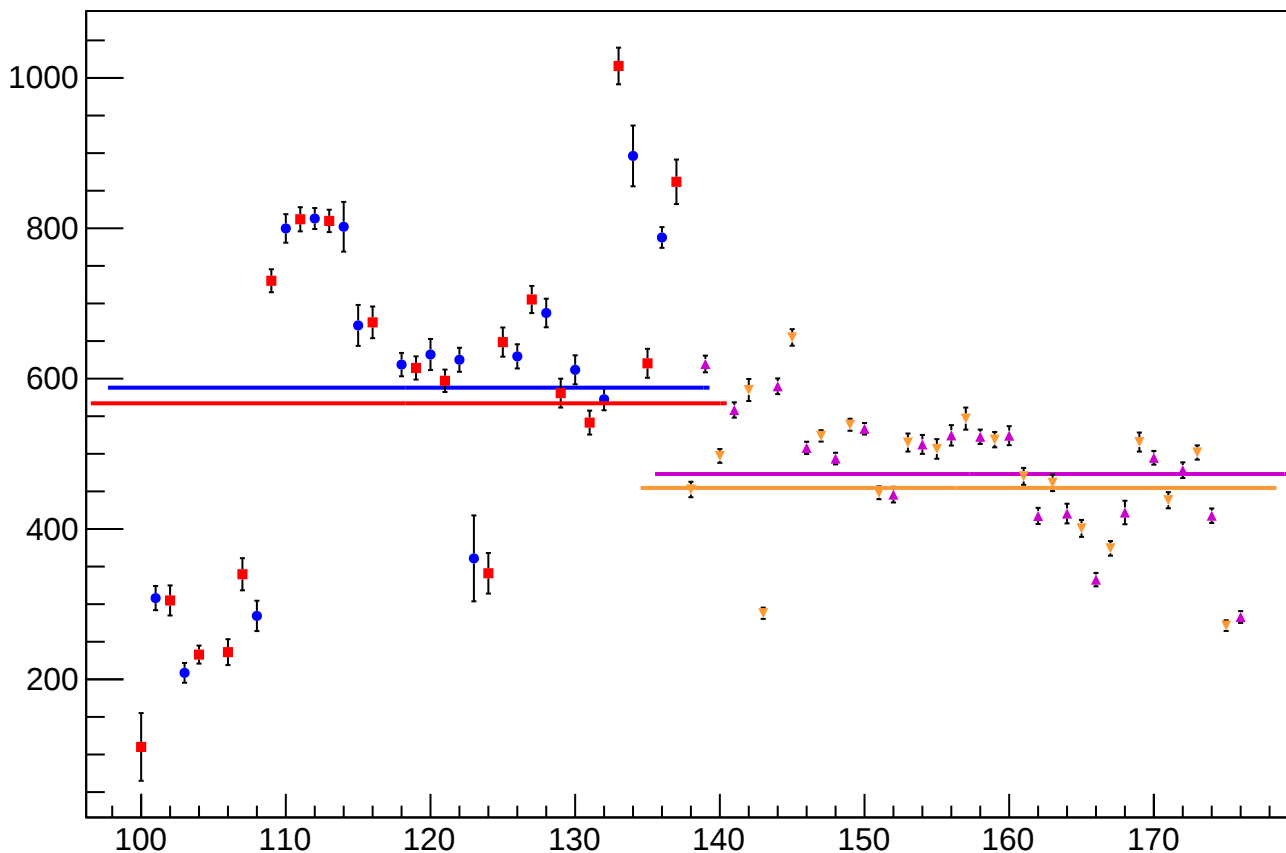
Right: -8.819 ± 1.628 χ^2/NDF : 690.7/35

In: -0.528 ± 1.354 χ^2/NDF : 638.5/35

Out: 1.286 ± 1.280 χ^2/NDF : 706.1/38

All: 0.430 ± 0.930 χ^2/NDF : 1345.5/74

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 $\pm$ 4.353 χ^2 /NDF: 2129.6/16

Left Out: 454.614 $\pm$ 2.203 χ^2 /NDF:2047.1/19

Right Out: 567.179 $\pm$ 4.136 χ^2 /NDF: 2783.2/18

Left In: 473.106 $\pm$ 2.278 χ^2 /NDF:1449.5/18

Left: 463.550 $\pm$ 1.584 χ^2 /NDF: 3530.7/38

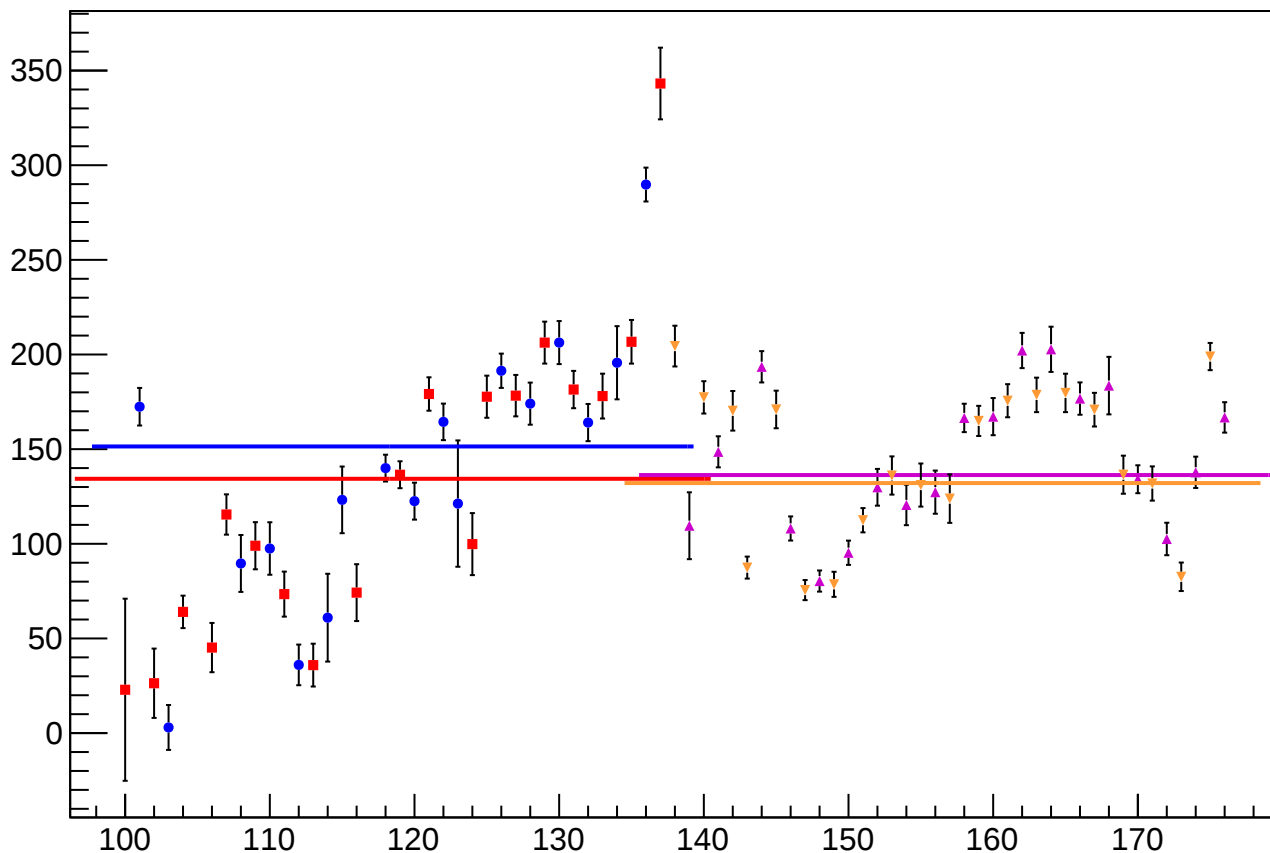
Right: 577.056 $\pm$ 2.998 χ^2 /NDF: 4924.8/35

In: 497.813 $\pm$ 2.019 χ^2 /NDF:4126.0/35

Out: 479.496 $\pm$ 1.945 χ^2 /NDF:5407.3/38

All: 488.313 $\pm$ 1.400 χ^2 /NDF: 9576.0/74

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: 132.088 $\pm$ 1.826 χ^2 /NDF: 588.6/19

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

Left In: 136.321 $\pm$ 1.933 χ^2 /NDF: 385.8/18

Left: 134.084 $\pm$ 1.327 χ^2 /NDF: 977.0/38

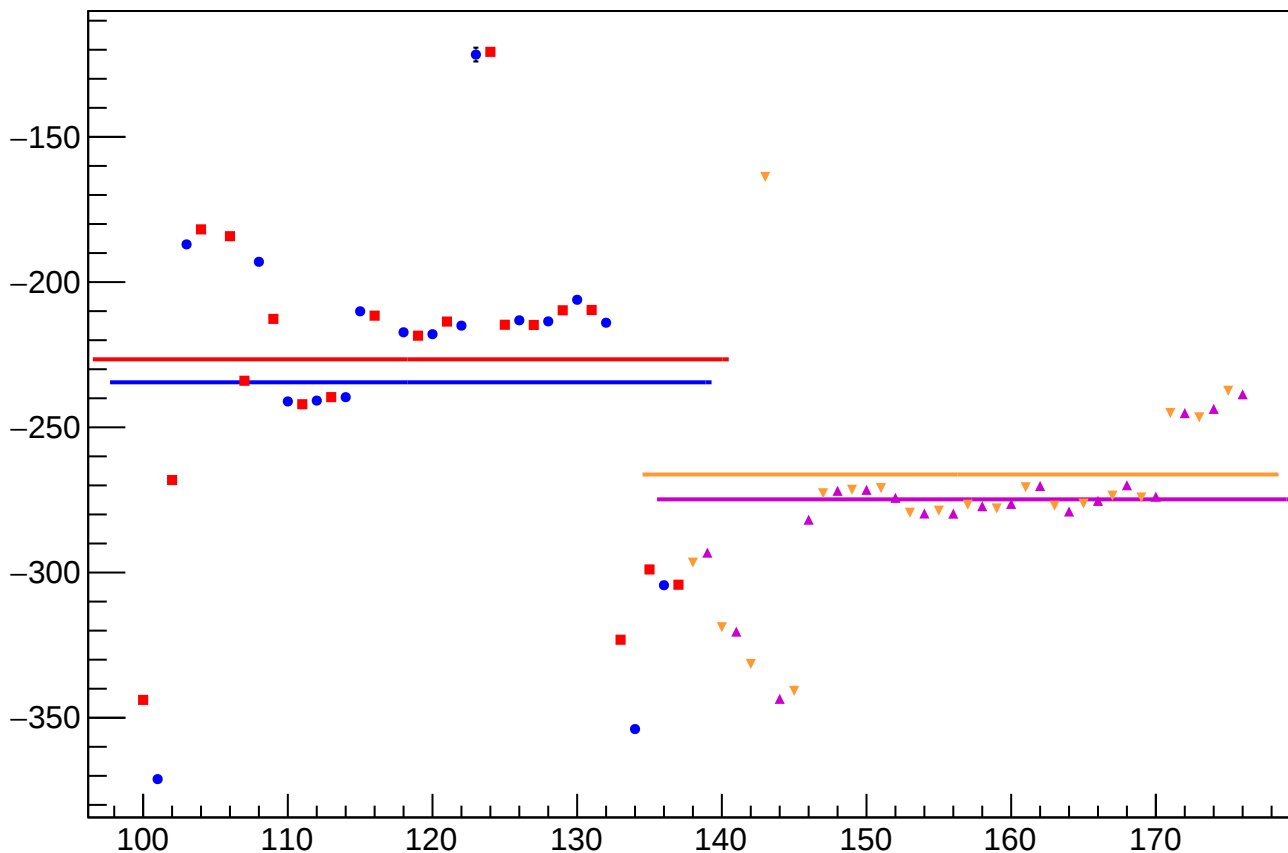
Right: 142.583 $\pm$ 1.882 χ^2 /NDF: 1238.7/35

In: 141.415 $\pm$ 1.574 χ^2 /NDF: 1039.7/35

Out: 132.828 $\pm$ 1.497 χ^2 /NDF: 1174.0/38

All: 136.908 $\pm$ 1.085 χ^2 /NDF: 2229.3/74

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -266.237 ± 0.089 $\chi^2/\text{NDF}: 199259.9/19$

Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

Left In: -274.796 ± 0.091 $\chi^2/\text{NDF}: 62411.7/18$

Left: -270.431 ± 0.063 $\chi^2/\text{NDF}: 266217.2/38$

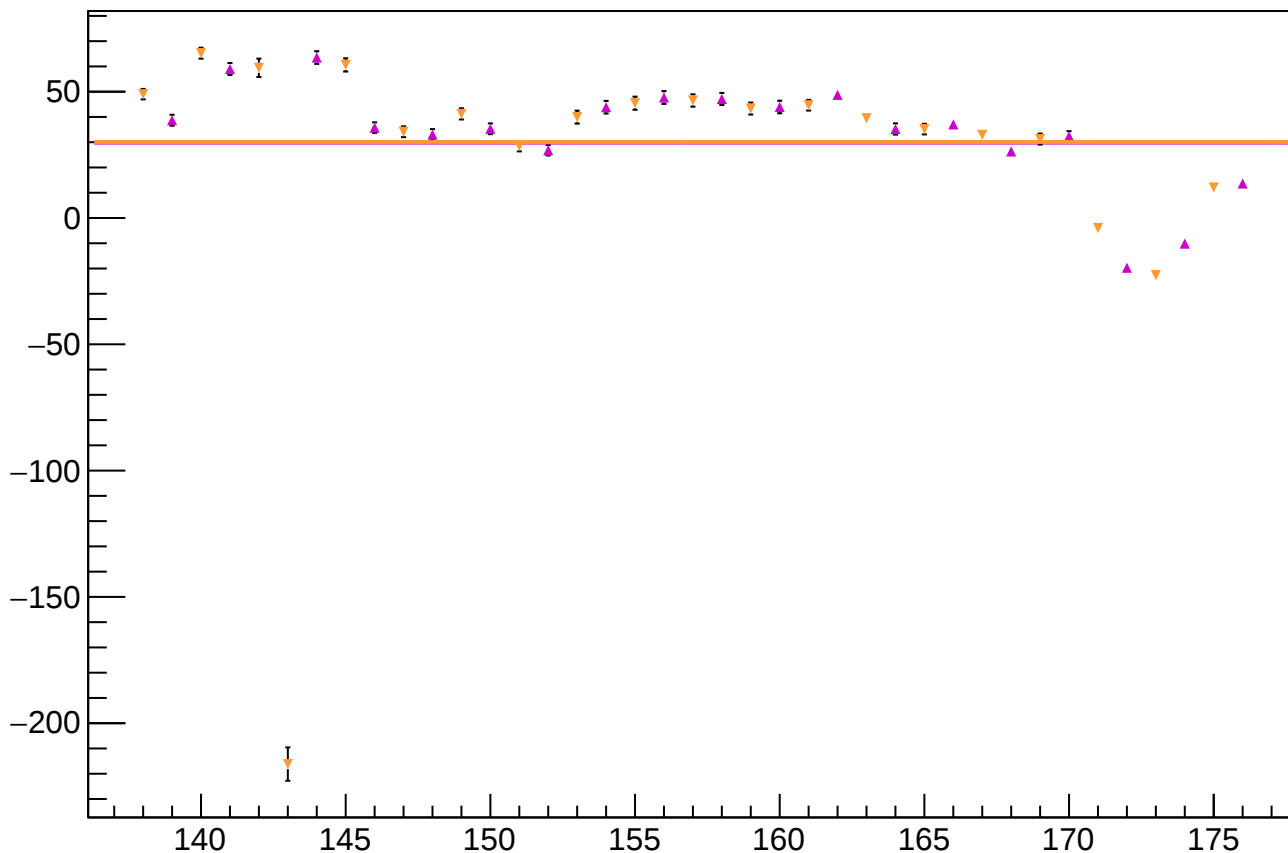
Right: -230.333 ± 0.103 $\chi^2/\text{NDF}: 245501.4/35$

In: -263.912 ± 0.077 $\chi^2/\text{NDF}: 260819.3/35$

Out: -255.008 ± 0.075 $\chi^2/\text{NDF}: 354604.0/38$

All: -259.331 ± 0.054 $\chi^2/\text{NDF}: 622222.5/74$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 30.108 $\pm$ 0.485 χ^2 /NDF:3389.7/19

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

Left In: 29.848 $\pm$ 0.477 χ^2 /NDF:1922.2/18

Left: 29.976 $\pm$ 0.340 χ^2 /NDF: 5312.0/38

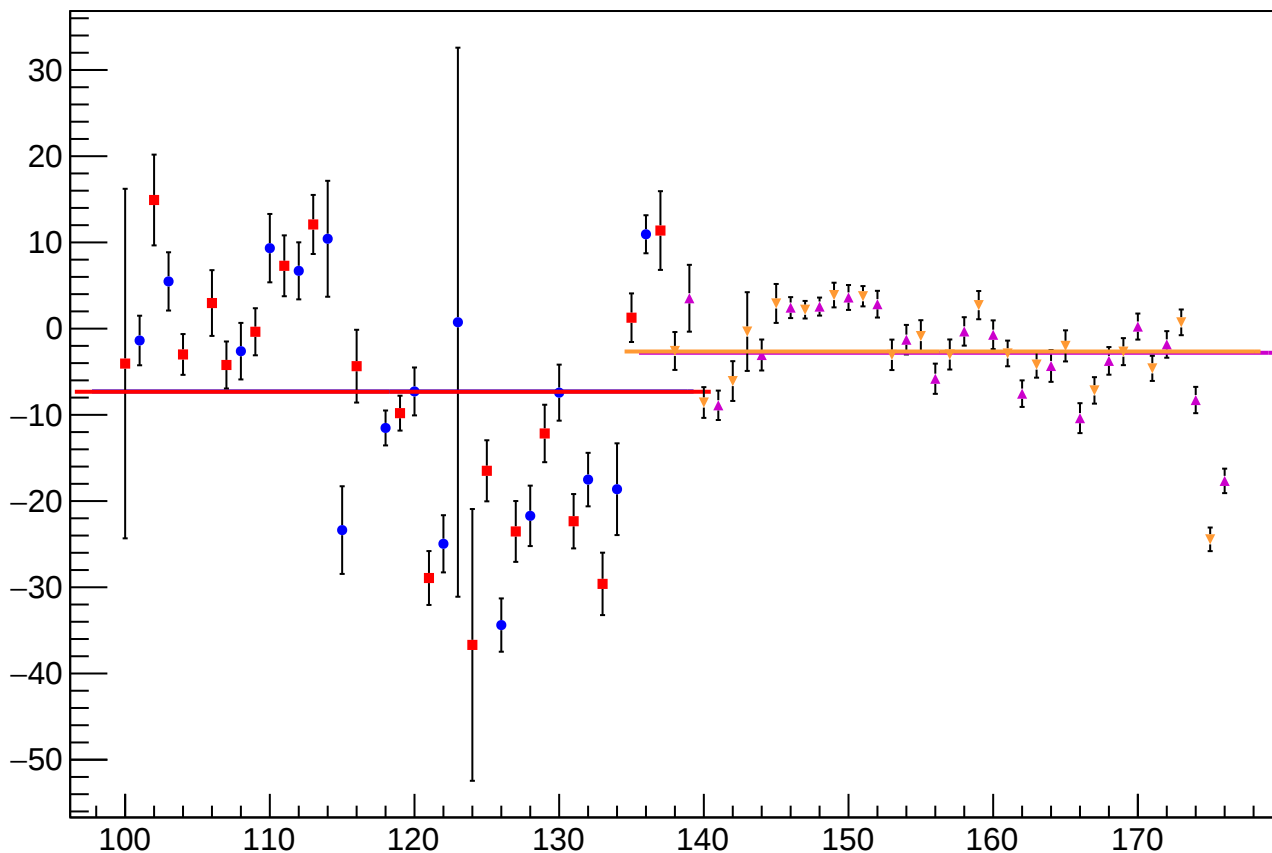
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 29.848 $\pm$ 0.477 χ^2 /NDF:1922.2/18

Out: 30.108 $\pm$ 0.485 χ^2 /NDF:3389.7/19

All: 29.976 $\pm$ 0.340 χ^2 /NDF: 5312.0/38

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: -2.652 ± 0.355 χ^2/NDF : 374.6/19

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

Left In: -2.801 ± 0.358 χ^2/NDF : 257.3/18

Left: -2.726 ± 0.252 χ^2/NDF : 632.0/38

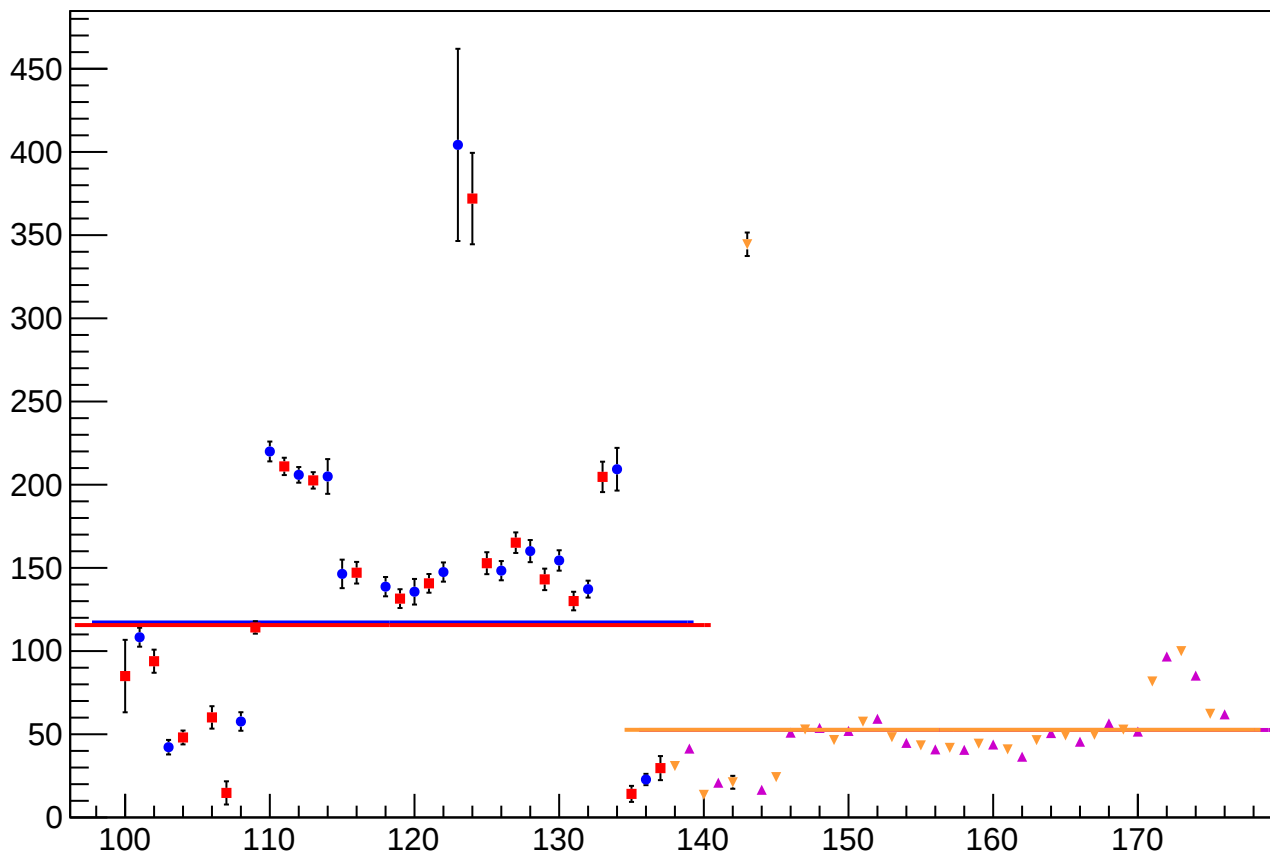
Right: -7.304 ± 0.548 χ^2/NDF : 538.5/35

In: -3.566 ± 0.326 χ^2/NDF : 567.3/35

Out: -3.489 ± 0.322 χ^2/NDF : 660.8/38

All: -3.527 ± 0.229 χ^2/NDF : 1228.2/74

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 52.679 ± 0.479 χ^2/NDF : 3209.5/19

Right Out: 115.632 ± 1.361 χ^2/NDF : 2137.6/18

Left In: 52.587 ± 0.471 χ^2/NDF : 1358.3/18

Left: 52.632 ± 0.336 χ^2/NDF : 4567.9/38

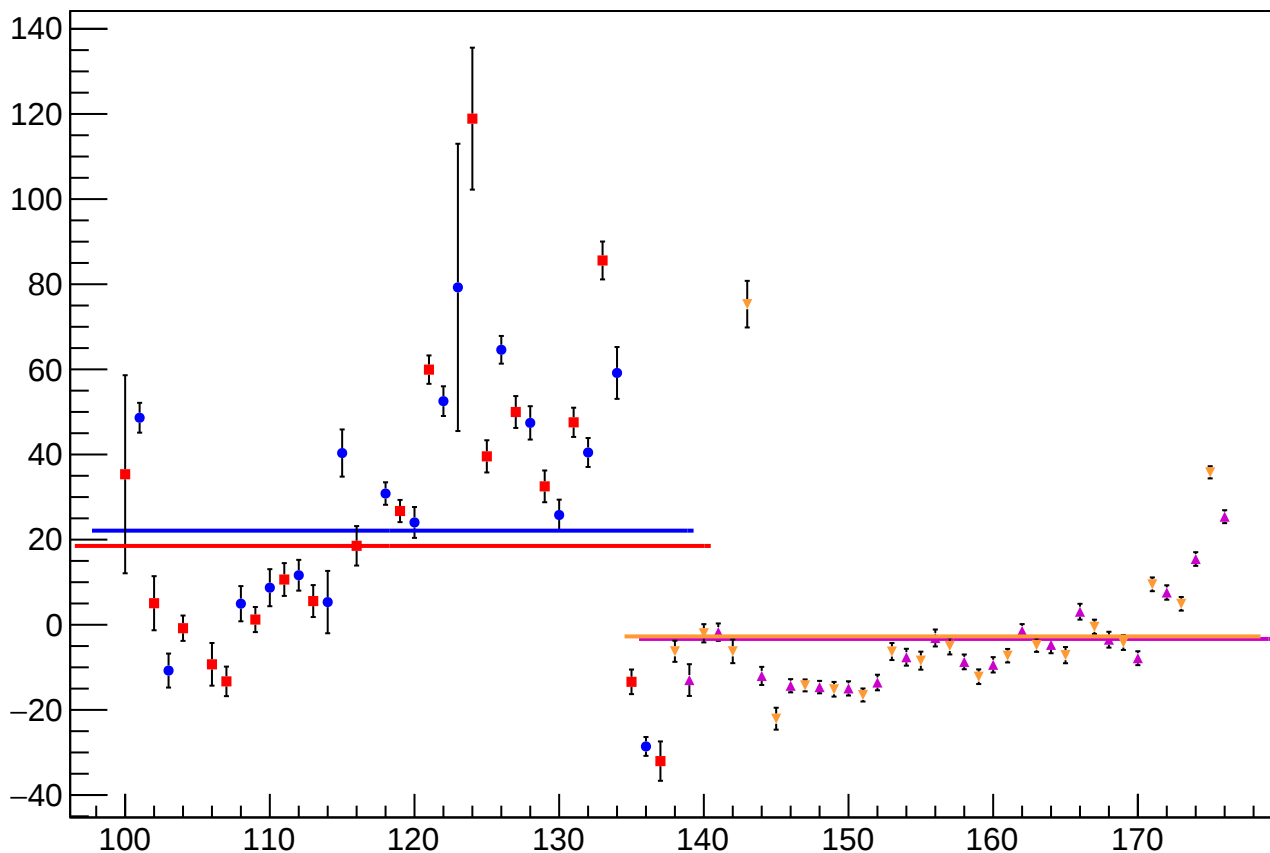
Right: 116.378 ± 0.981 χ^2/NDF : 4299.2/35

In: 59.030 ± 0.447 χ^2/NDF : 5392.1/35

Out: 59.608 ± 0.452 χ^2/NDF : 7251.1/38

All: 59.317 ± 0.318 χ^2/NDF : 12644.0/74

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -2.738 $\pm$ 0.407 χ^2 /NDF:1325.3/19

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

Left In: -3.326 $\pm$ 0.409 χ^2 /NDF:794.5/18

Left: -3.031 $\pm$ 0.289 χ^2 /NDF: 2120.8/38

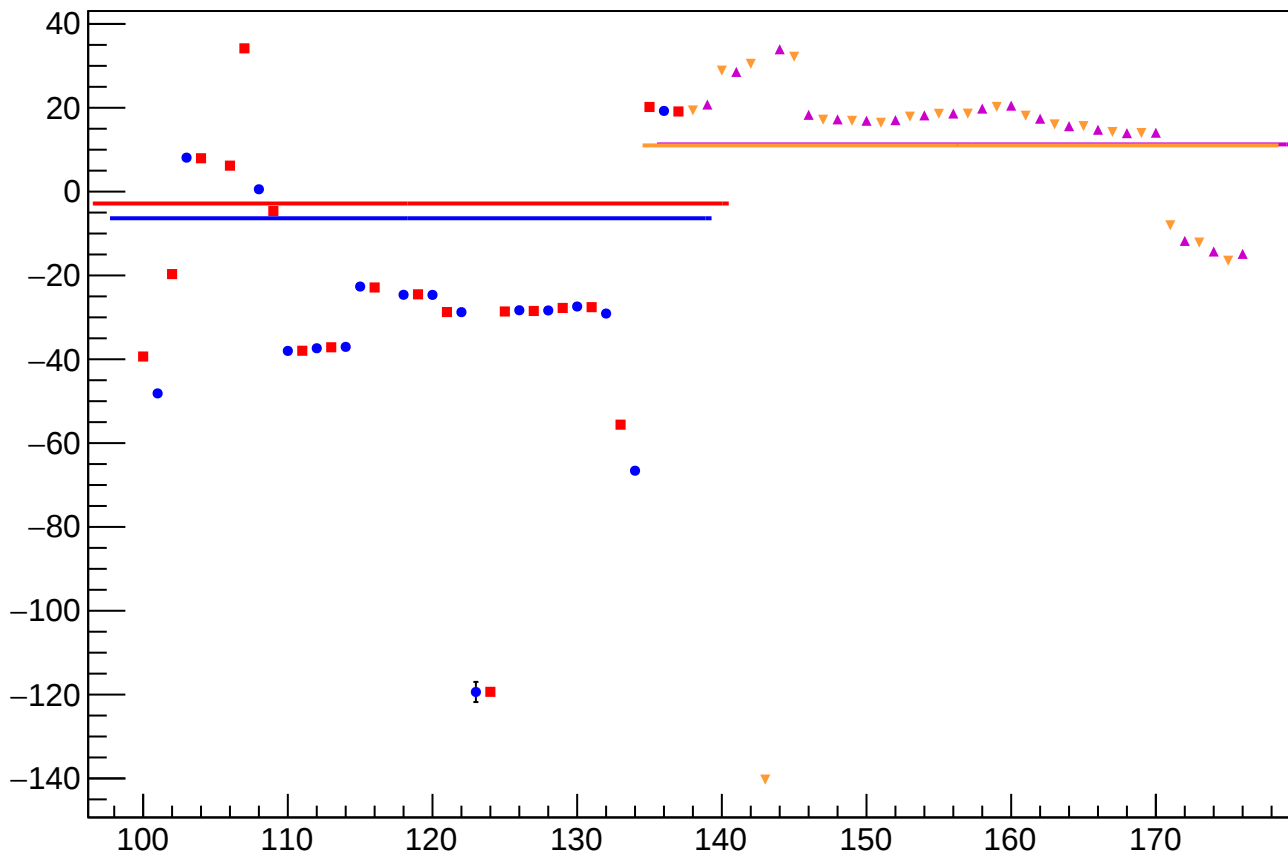
Right: 20.261 $\pm$ 0.625 χ^2 /NDF: 2147.1/35

In: 1.042 $\pm$ 0.372 χ^2 /NDF:2529.1/35

Out: 1.077 $\pm$ 0.369 χ^2 /NDF:2882.5/38

All: 1.060 $\pm$ 0.262 χ^2 /NDF: 5411.6/74

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 11.022 ± 0.019 $\chi^2/\text{NDF}: 790946.6/19$

Right Out: -2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

Left In: 11.259 ± 0.018 $\chi^2/\text{NDF}: 558732.2/18$

Left: 11.143 ± 0.013 $\chi^2/\text{NDF}: 1349759.5/38$

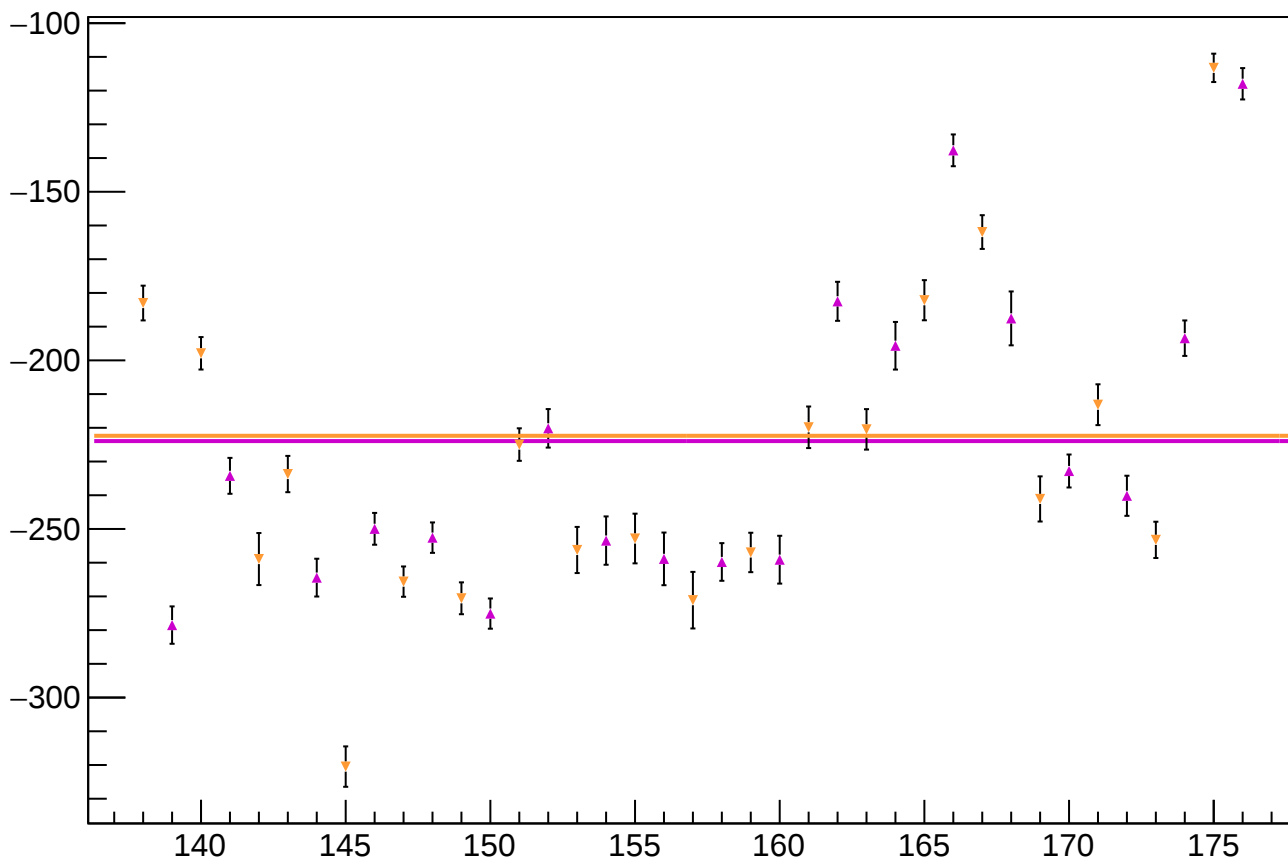
Right: -4.577 ± 0.033 $\chi^2/\text{NDF}: 533252.4/35$

In: 8.852 ± 0.017 $\chi^2/\text{NDF}: 948437.6/35$

Out: 8.999 ± 0.017 $\chi^2/\text{NDF}: 1134903.0/38$

All: 8.924 ± 0.012 $\chi^2/\text{NDF}: 2083376.5/74$

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: -222.367+/-1.247 χ^2/NDF :1594.2/19

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

Left In: -223.938+/-1.265 χ^2/NDF :1443.5/18

Left: -223.141+/-0.888 χ^2/NDF : 3038.4/38

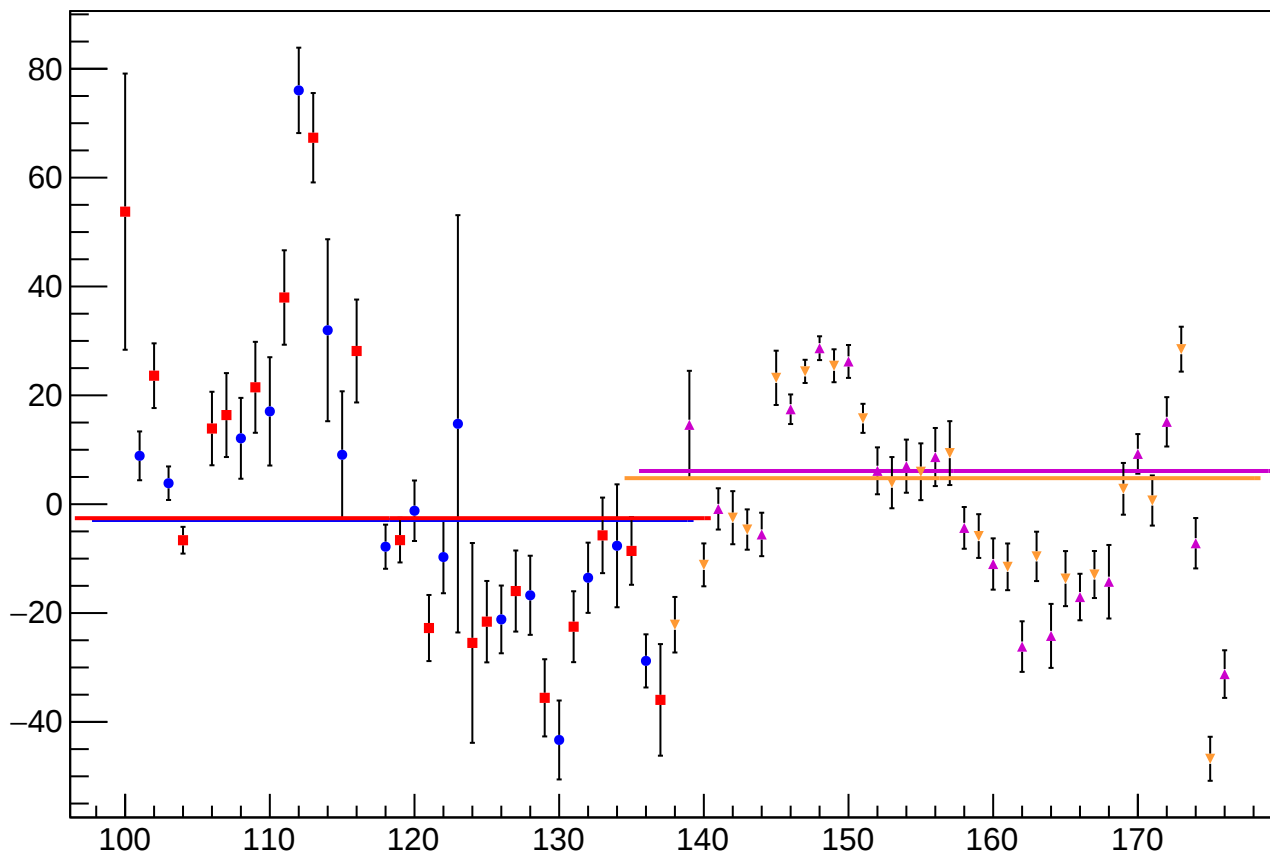
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -223.938+/-1.265 χ^2/NDF :1443.5/18

Out: -222.367+/-1.247 χ^2/NDF :1594.2/19

All: -223.141+/-0.888 χ^2/NDF : 3038.4/38

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: 4.783 ± 0.874 χ^2/NDF : 473.7/19

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

Left In: 6.100 ± 0.907 χ^2/NDF : 400.7/18

Left: 5.417 ± 0.630 χ^2/NDF : 875.5/38

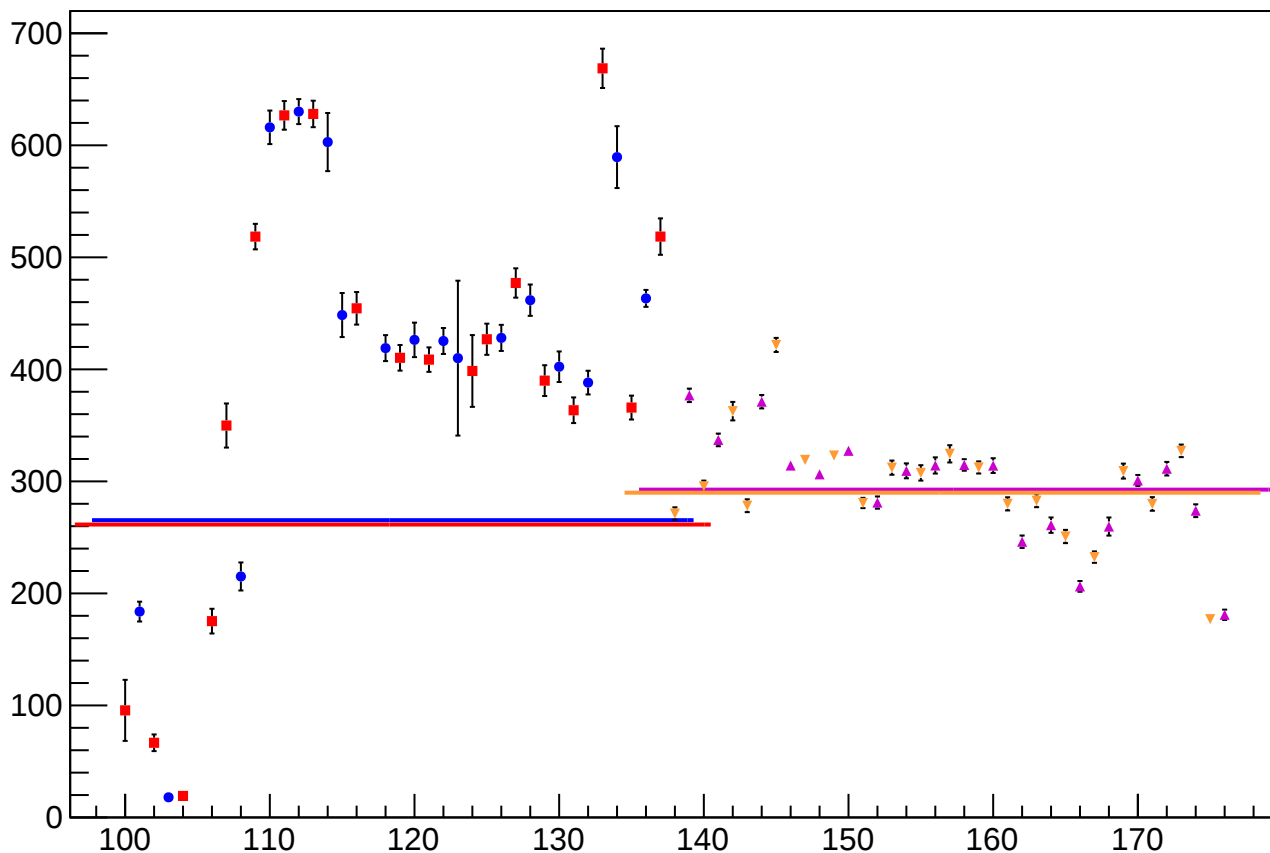
Right: -2.728 ± 1.011 χ^2/NDF : 421.8/35

In: 3.611 ± 0.772 χ^2/NDF : 631.5/35

Out: 2.712 ± 0.741 χ^2/NDF : 711.8/38

All: 3.143 ± 0.534 χ^2/NDF : 1344.0/74

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 289.910 $\pm$ 1.235 χ^2 /NDF:1651.8/19

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

Left In: 292.633 $\pm$ 1.247 χ^2 /NDF:1623.0/18

Left: 291.259 $\pm$ 0.877 χ^2 /NDF: 3277.2/38

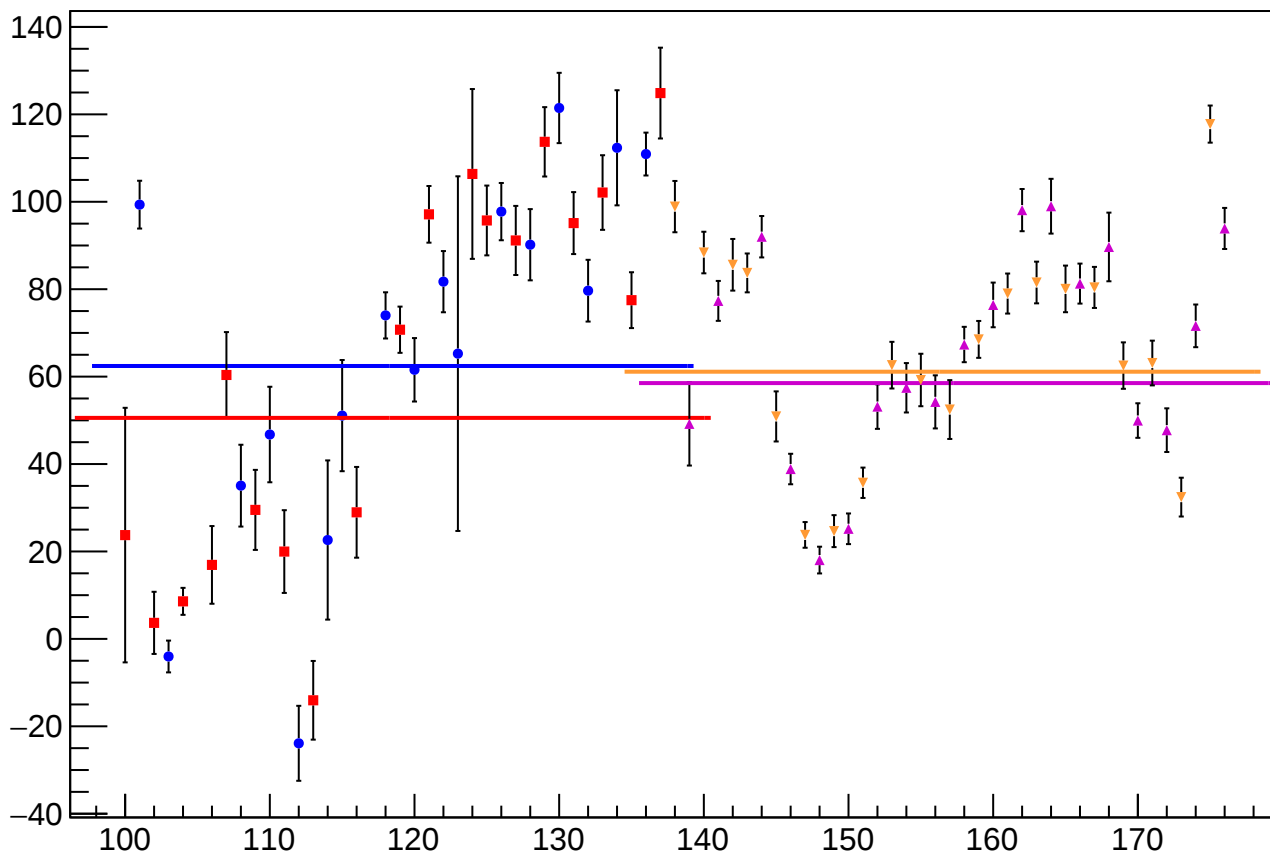
Right: 263.393 $\pm$ 1.749 χ^2 /NDF: 15839.3/35

In: 287.160 $\pm$ 1.115 χ^2 /NDF:9352.8/35

Out: 284.178 $\pm$ 1.103 χ^2 /NDF:9963.0/38

All: 285.654 $\pm$ 0.784 χ^2 /NDF: 19319.4/74

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: 61.124+/-1.026 χ^2 /NDF:722.9/19

Right Out: 50.560+/-1.642 χ^2 /NDF: 657.4/18

Left In: 58.522+/-1.058 χ^2 /NDF:606.4/18

Left: 59.862+/-0.737 χ^2 /NDF: 1332.5/38

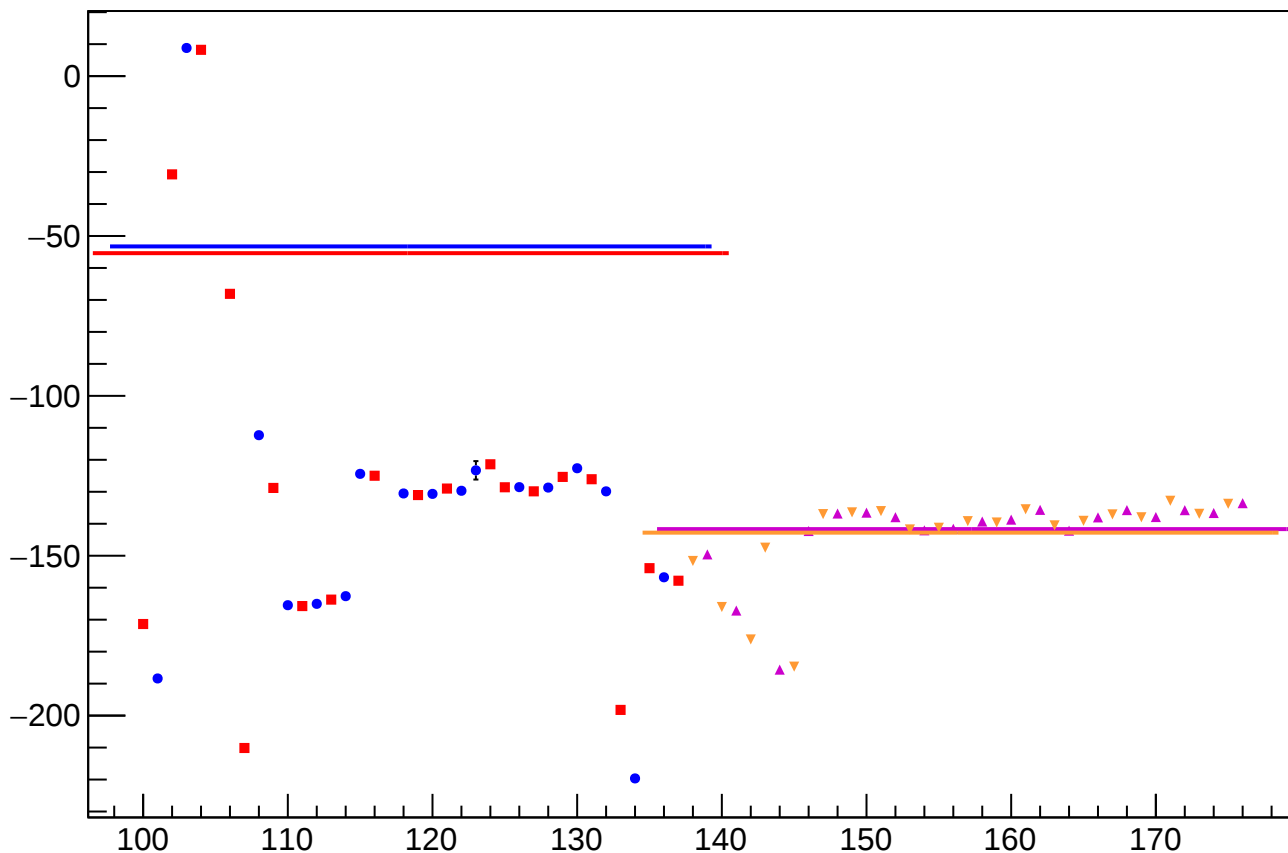
Right: 56.313+/-1.179 χ^2 /NDF: 1404.5/35

In: 59.620+/-0.897 χ^2 /NDF:1332.0/35

Out: 58.157+/-0.870 χ^2 /NDF:1410.0/38

All: 58.866+/-0.625 χ^2 /NDF: 2743.5/74

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: -142.783 $\pm$ 0.050 χ^2 /NDF: 62422.5/19

Right Out: -55.373 $\pm$ 0.072 χ^2 /NDF: 967027.2/18

Left In: -141.675 $\pm$ 0.050 χ^2 /NDF: 48656.5/18

Left: -142.228 $\pm$ 0.035 χ^2 /NDF: 111328.6/38

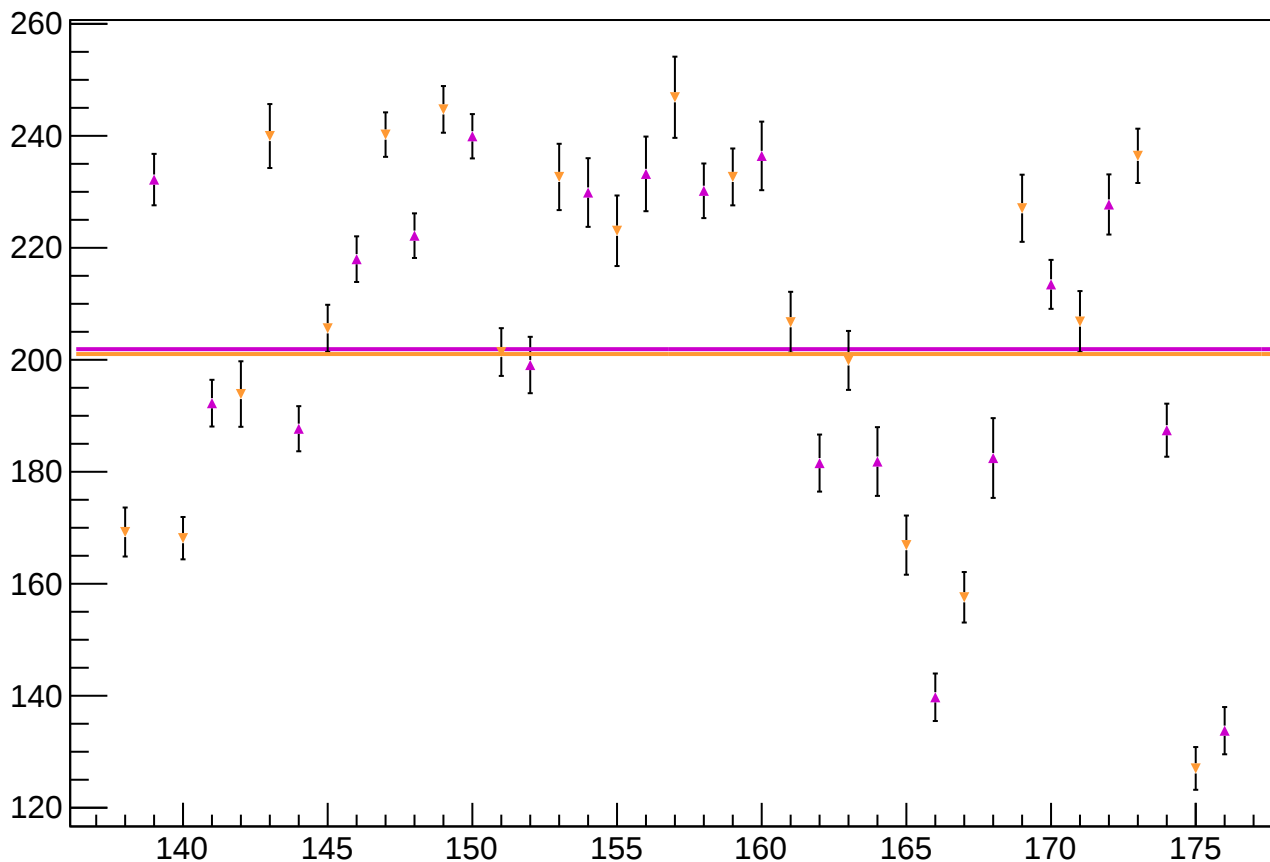
Right: -54.295 $\pm$ 0.050 χ^2 /NDF: 2192958.9/35

In: -112.412 $\pm$ 0.041 χ^2 /NDF: 2328929.4/35

Out: -114.585 $\pm$ 0.041 χ^2 /NDF: 2029227.2/38

All: -113.489 $\pm$ 0.029 χ^2 /NDF: 4359582.2/74

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: 201.028+/-1.082 χ^2/NDF :1088.6/19

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

Left In: 201.901+/-1.092 χ^2/NDF :852.6/18

Left: 201.461+/-0.769 χ^2/NDF : 1941.6/38

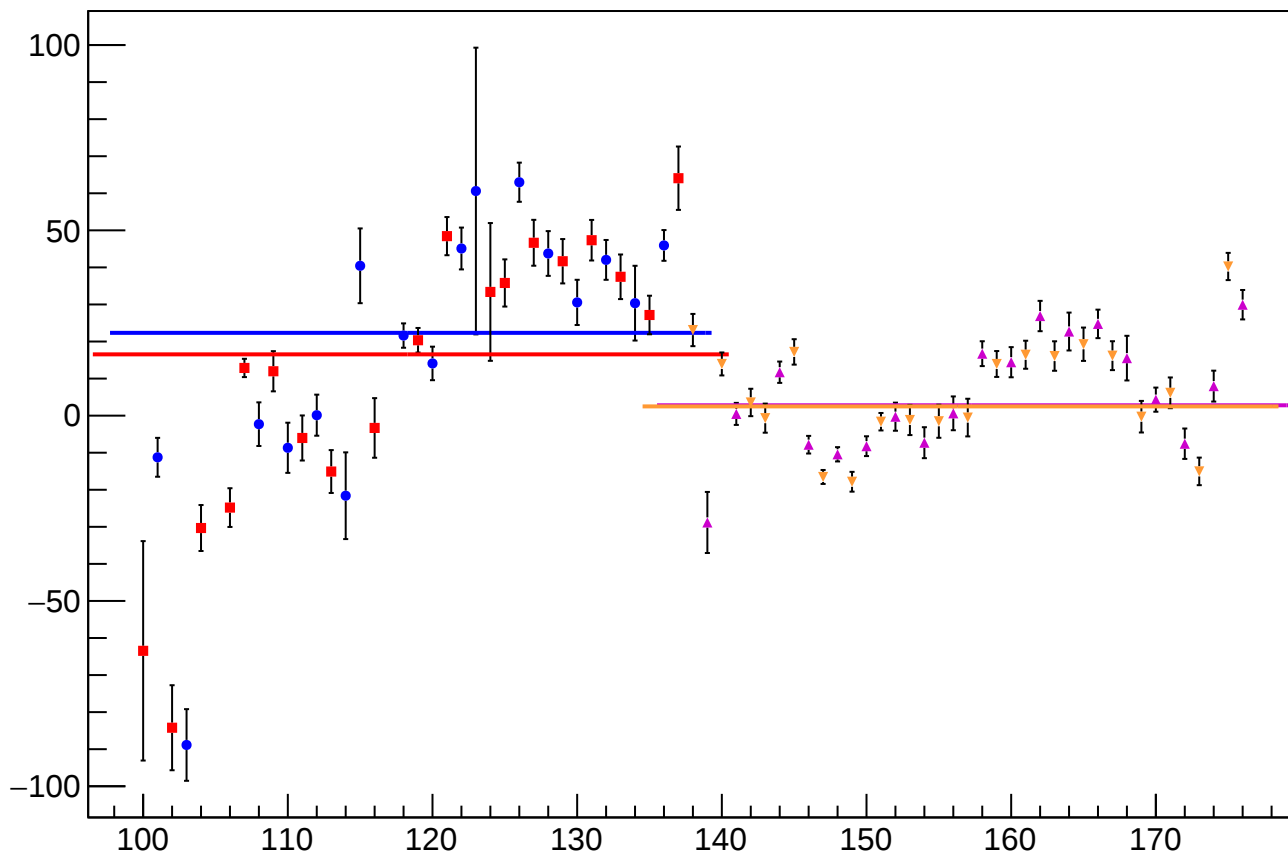
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 201.901+/-1.092 χ^2/NDF :852.6/18

Out: 201.028+/-1.082 χ^2/NDF :1088.6/19

All: 201.461+/-0.769 χ^2/NDF : 1941.6/38

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 ± 1.395 χ^2/NDF : 385.8/16

Left Out: 2.494 ± 0.762 χ^2/NDF : 411.7/19

Right Out: 16.537 ± 1.227 χ^2/NDF : 426.6/18

Left In: 2.795 ± 0.784 χ^2/NDF : 282.8/18

Left: 2.640 ± 0.547 χ^2/NDF : 694.6/38

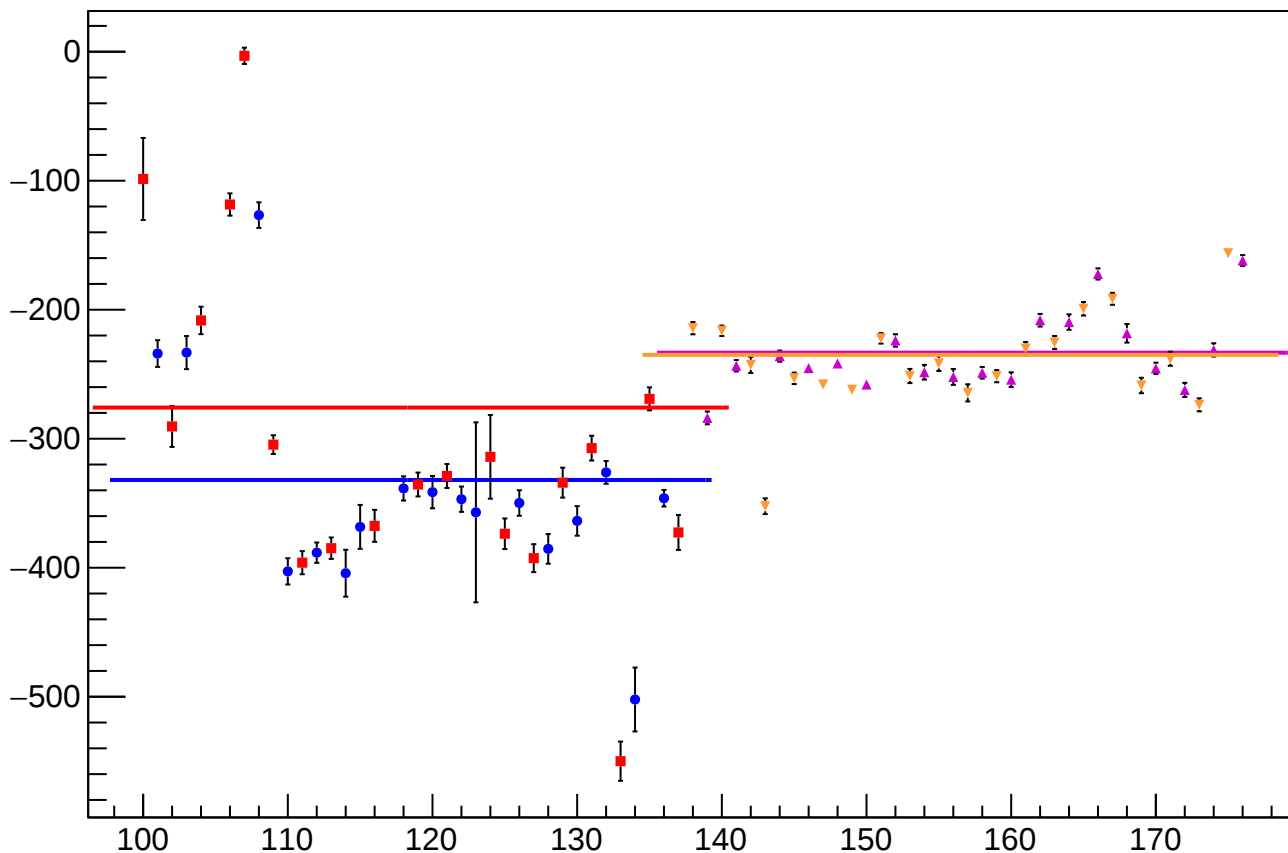
Right: 19.069 ± 0.922 χ^2/NDF : 822.2/35

In: 7.488 ± 0.684 χ^2/NDF : 817.8/35

Out: 6.403 ± 0.647 χ^2/NDF : 932.8/38

All: 6.916 ± 0.470 χ^2/NDF : 1751.9/74

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: -234.980 ± 1.075 $\chi^2/\text{NDF}: 1208.4/19$

Right Out: -275.842 ± 2.325 $\chi^2/\text{NDF}: 3362.2/18$

Left In: -233.304 ± 1.079 $\chi^2/\text{NDF}: 787.7/18$

Left: -234.145 ± 0.762 $\chi^2/\text{NDF}: 1997.4/38$

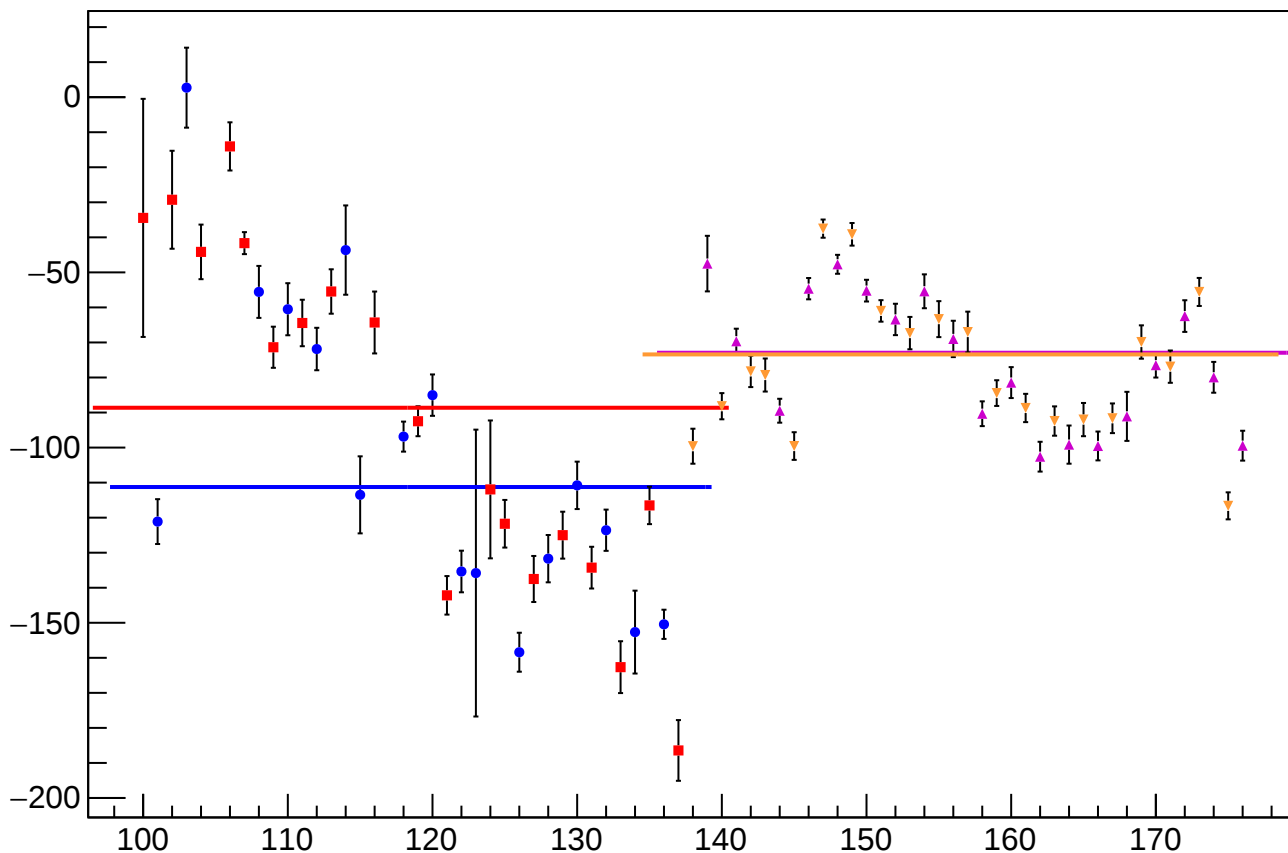
Right: -300.997 ± 1.727 $\chi^2/\text{NDF}: 4408.6/35$

In: -247.998 ± 0.996 $\chi^2/\text{NDF}: 2817.7/35$

Out: -242.176 ± 0.976 $\chi^2/\text{NDF}: 4825.3/38$

All: -245.028 ± 0.697 $\chi^2/\text{NDF}: 7660.4/74$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -73.412 ± 0.895 $\chi^2/\text{NDF}: 641.3/19$

Right Out: -88.633 ± 1.433 $\chi^2/\text{NDF}: 971.0/18$

Left In: -72.935 ± 0.915 $\chi^2/\text{NDF}: 404.9/18$

Left: -73.179 ± 0.640 $\chi^2/\text{NDF}: 1046.3/38$

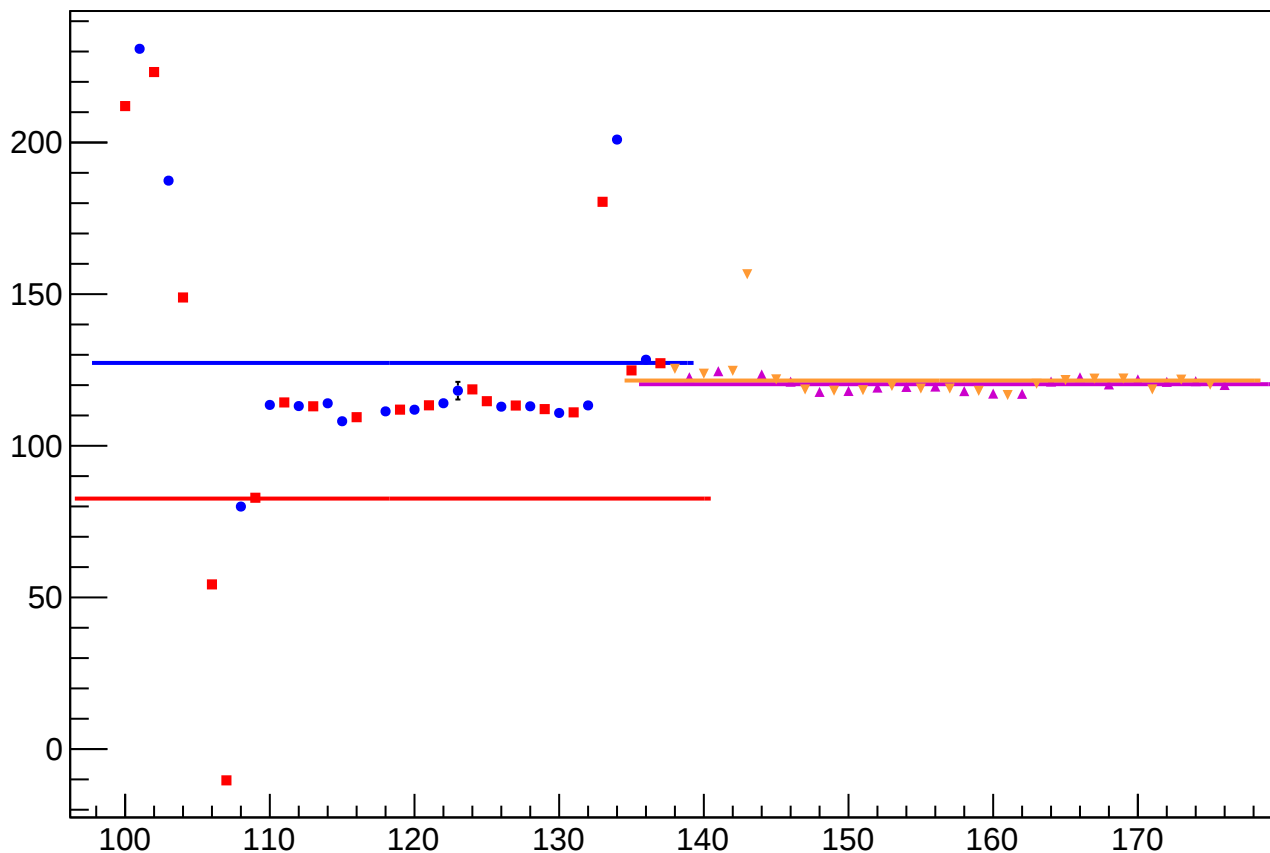
Right: -98.723 ± 1.067 $\chi^2/\text{NDF}: 1591.7/35$

In: -82.405 ± 0.794 $\chi^2/\text{NDF}: 1348.0/35$

Out: -77.681 ± 0.759 $\chi^2/\text{NDF}: 1693.4/38$

All: -79.936 ± 0.549 $\chi^2/\text{NDF}: 3059.8/74$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 121.520 $\pm$ 0.043 χ^2 /NDF: 23993.1/19

Right Out: 82.595 $\pm$ 0.075 χ^2 /NDF: 765022.5/18

Left In: 120.309 $\pm$ 0.043 χ^2 /NDF: 2564.3/18

Left: 120.910 $\pm$ 0.030 χ^2 /NDF: 26953.5/38

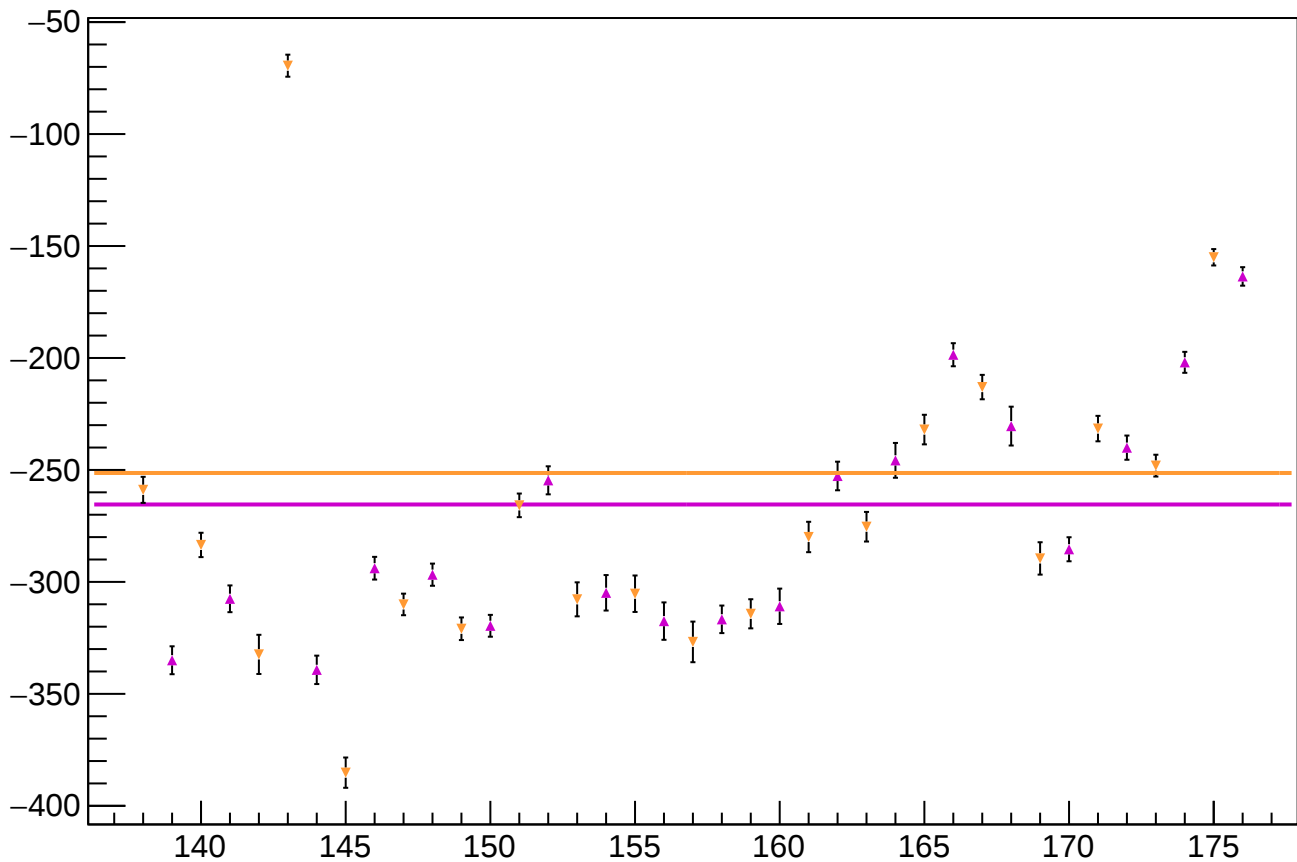
Right: 101.169 $\pm$ 0.058 χ^2 /NDF: 1099026.8/35

In: 121.620 $\pm$ 0.039 χ^2 /NDF: 195340.8/35

Out: 111.907 $\pm$ 0.037 χ^2 /NDF: 989841.8/38

All: 116.609 $\pm$ 0.027 χ^2 /NDF: 1217733.9/74

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: -251.358+/-1.298 χ^2/NDF :3307.2/19

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

Left In: -265.429+/-1.332 χ^2/NDF :1696.5/18

Left: -258.211+/-0.929 χ^2/NDF : 5060.9/38

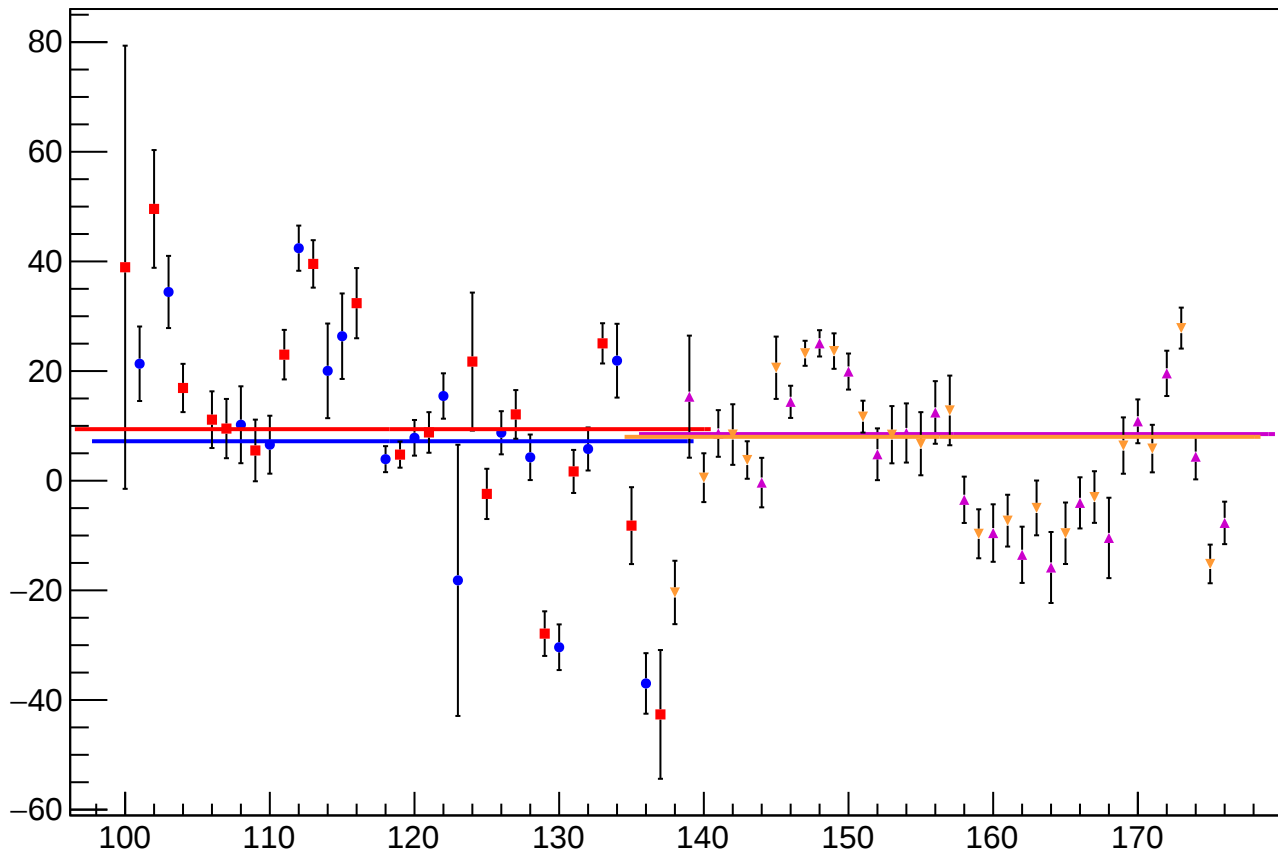
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -265.429+/-1.332 χ^2/NDF :1696.5/18

Out: -251.358+/-1.298 χ^2/NDF :3307.2/19

All: -258.211+/-0.929 χ^2/NDF : 5060.9/38

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: 8.003 ± 0.920 χ^2/NDF : 223.4/19

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

Left In: 8.505 ± 0.967 χ^2/NDF : 161.2/18

Left: 8.242 ± 0.667 χ^2/NDF : 384.8/38

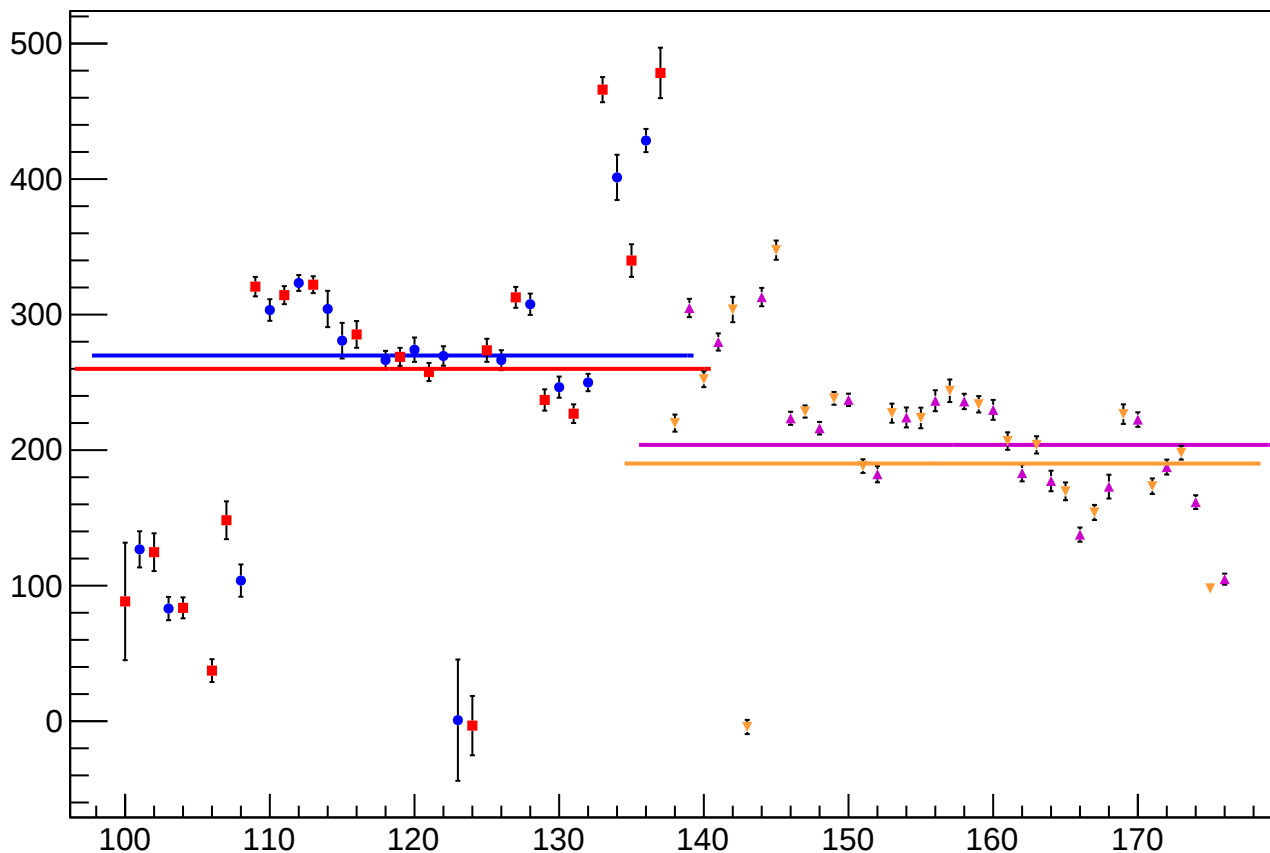
Right: 8.333 ± 0.768 χ^2/NDF : 495.1/35

In: 7.937 ± 0.727 χ^2/NDF : 422.9/35

Out: 8.597 ± 0.698 χ^2/NDF : 456.6/38

All: 8.281 ± 0.504 χ^2/NDF : 879.9/74

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: 190.105 $\pm$ 1.288 χ^2 /NDF:3199.2/19

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

Left In: 203.864 $\pm$ 1.316 χ^2 /NDF:1656.0/18

Left: 196.836 $\pm$ 0.921 χ^2 /NDF: 4911.0/38

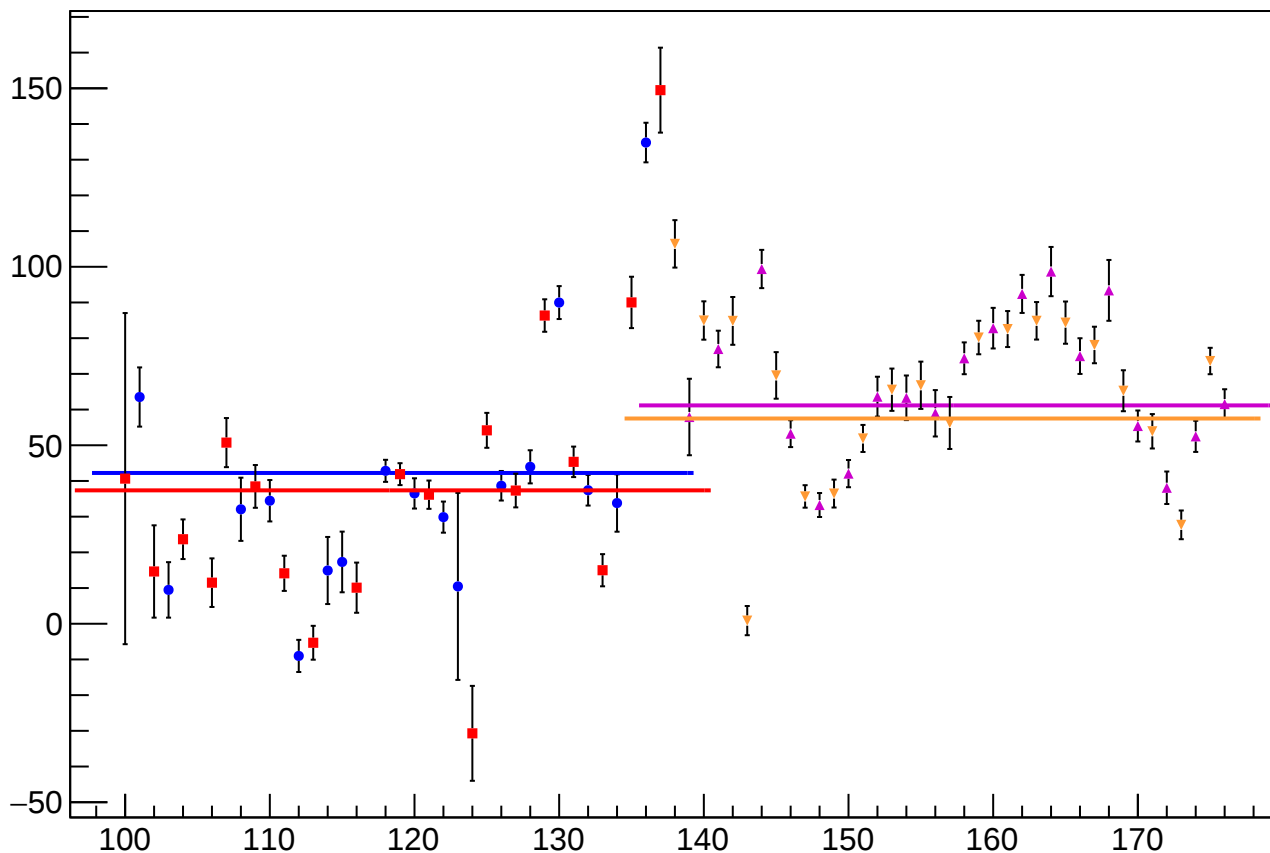
Right: 264.622 $\pm$ 1.436 χ^2 /NDF: 3924.4/35

In: 222.602 $\pm$ 1.114 χ^2 /NDF:3743.3/35

Out: 210.928 $\pm$ 1.079 χ^2 /NDF:6614.9/38

All: 216.582 $\pm$ 0.775 χ^2 /NDF: 10414.8/74

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: 57.496 $\pm$ 1.075 χ^2 /NDF: 563.2/19

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

Left In: 61.167 $\pm$ 1.122 χ^2 /NDF: 299.9/18

Left: 59.253 $\pm$ 0.776 χ^2 /NDF: 868.7/38

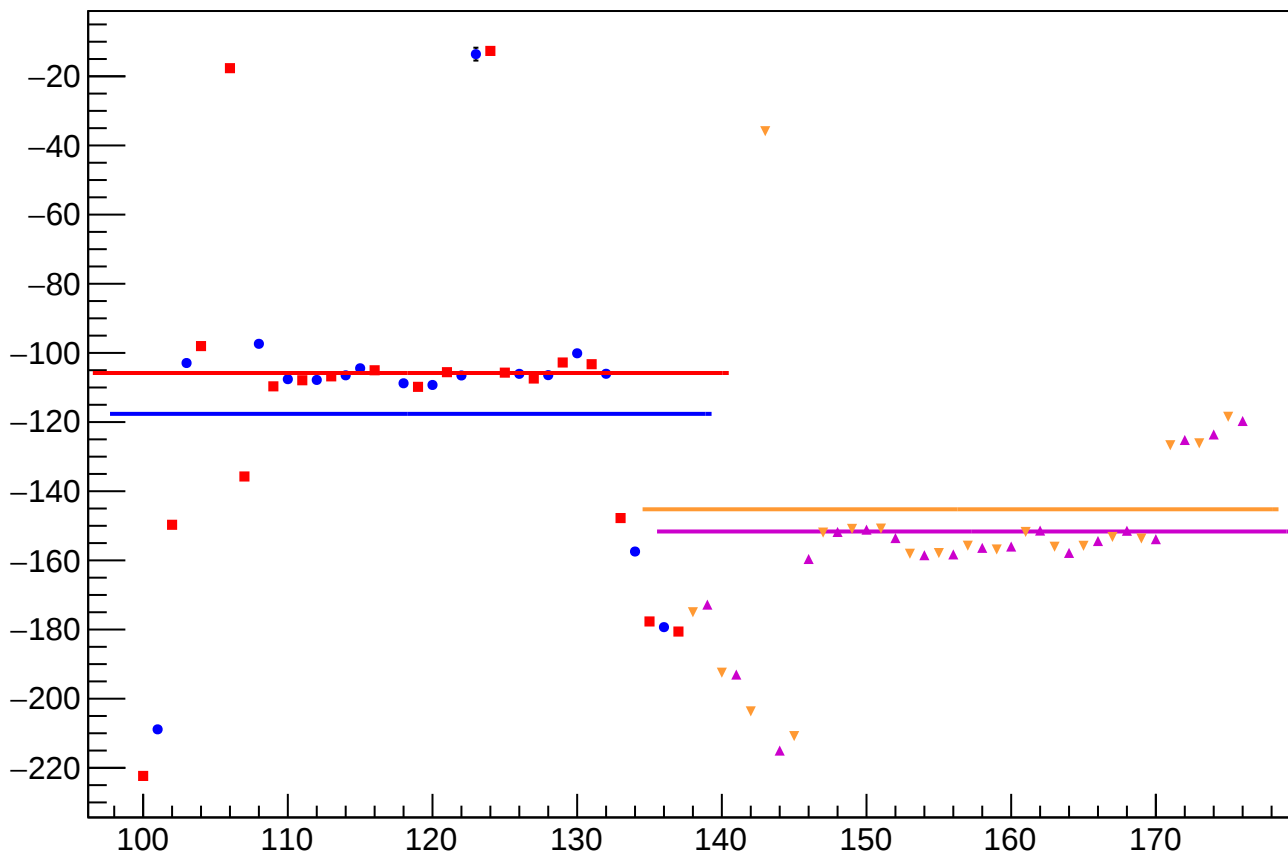
Right: 39.728 $\pm$ 0.886 χ^2 /NDF: 1054.2/35

In: 52.895 $\pm$ 0.842 χ^2 /NDF: 998.6/35

Out: 48.813 $\pm$ 0.811 χ^2 /NDF: 1186.7/38

All: 50.777 $\pm$ 0.584 χ^2 /NDF: 2197.5/74

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: -145.225 ± 0.052 χ^2/NDF : 457736.4/19

Right Out: -105.807 ± 0.073 χ^2/NDF : 323108.1/18

Left In: -151.645 ± 0.052 χ^2/NDF : 154380.3/18

Left: -148.415 ± 0.037 χ^2/NDF : 619701.4/38

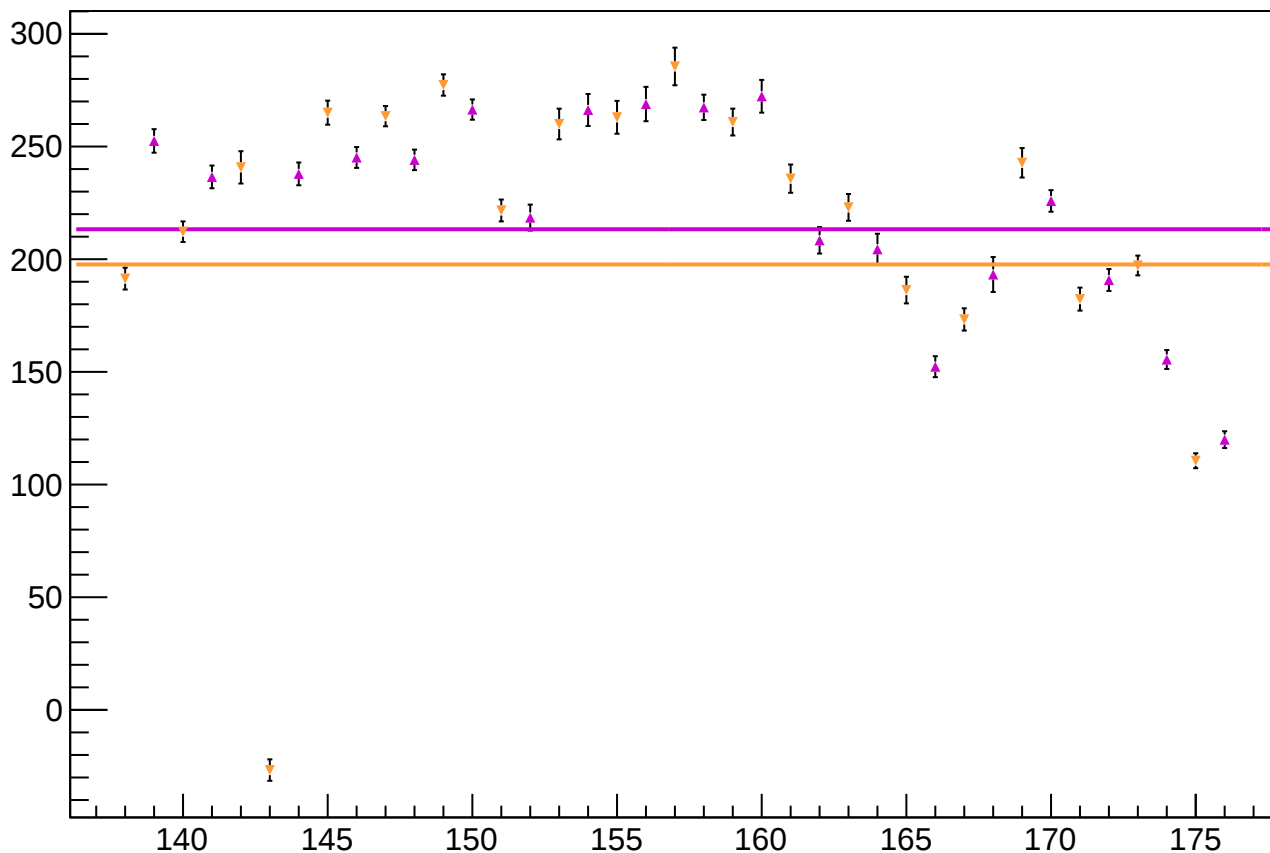
Right: -111.270 ± 0.053 χ^2/NDF : 477157.6/35

In: -141.196 ± 0.044 χ^2/NDF : 426291.4/35

Out: -131.923 ± 0.042 χ^2/NDF : 975009.2/38

All: -136.427 ± 0.030 χ^2/NDF : 1424648.2/74

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 197.668+/-1.165 χ^2/NDF :4175.4/19

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

Left In: 213.293+/-1.191 χ^2/NDF :1627.6/18

Left: 205.306+/-0.833 χ^2/NDF : 5891.0/38

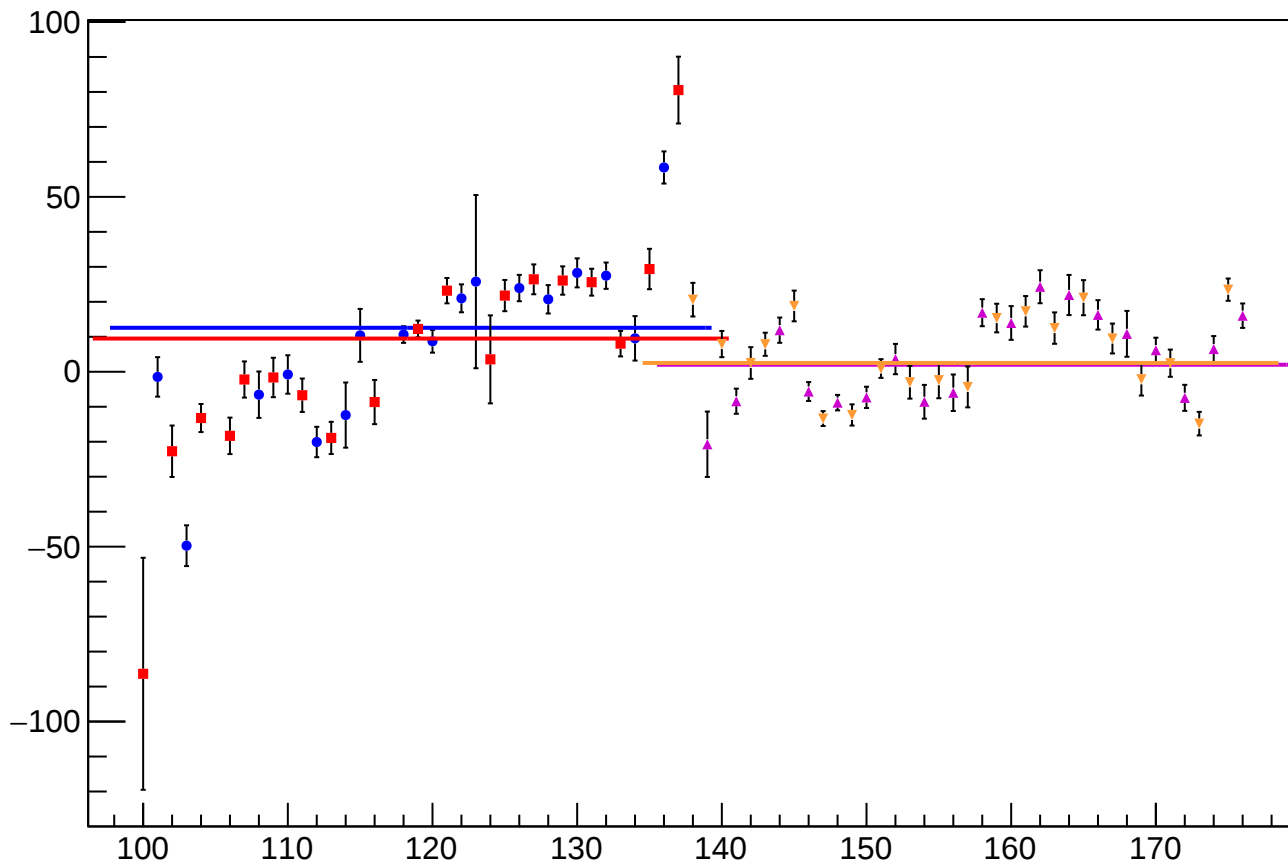
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 213.293+/-1.191 χ^2/NDF :1627.6/18

Out: 197.668+/-1.165 χ^2/NDF :4175.4/19

All: 205.306+/-0.833 χ^2/NDF : 5891.0/38

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: 2.519+/-0.833 χ^2/NDF :229.8/19

Right Out: 9.493+/-1.047 χ^2/NDF : 295.8/18

Left In: 2.006+/-0.871 χ^2/NDF :164.7/18

Left: 2.274+/-0.602 χ^2/NDF : 394.8/38

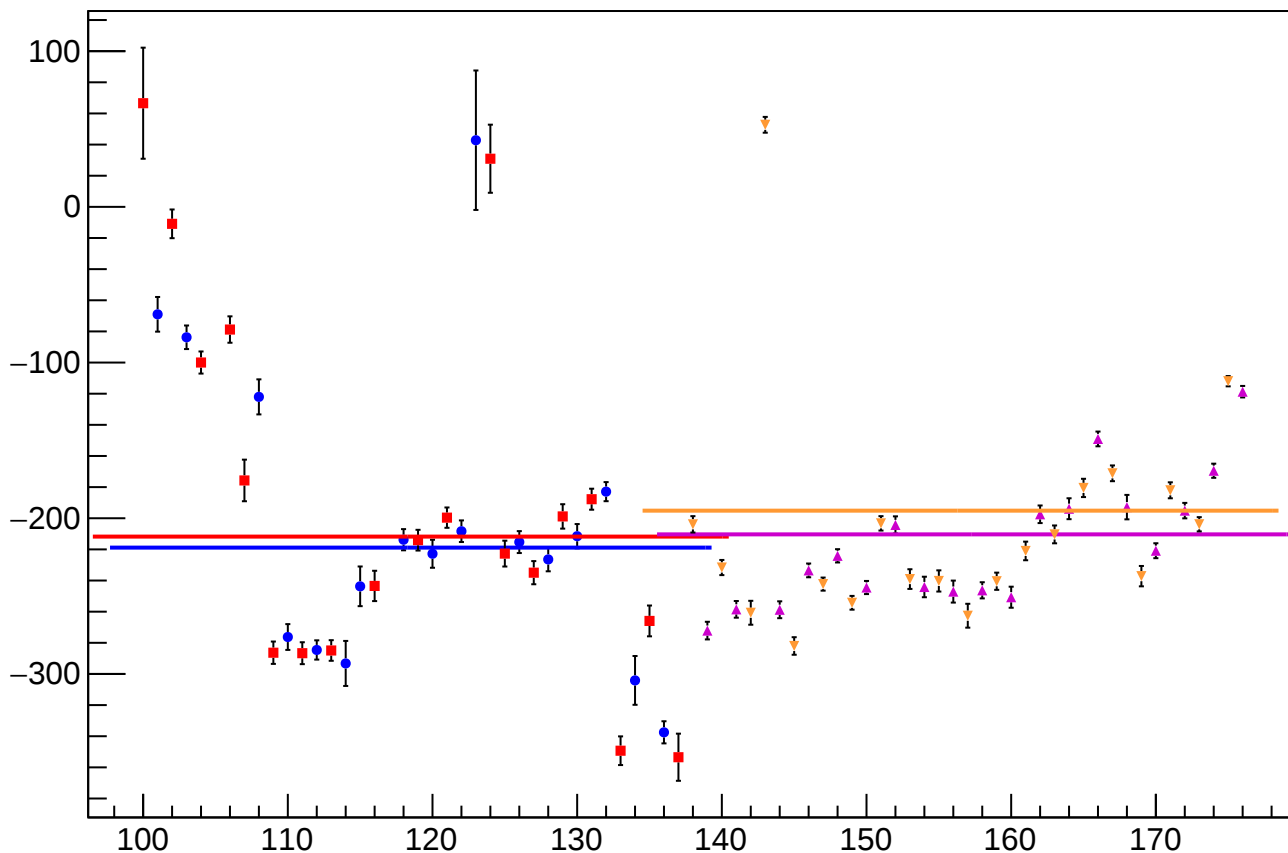
Right: 10.995+/-0.750 χ^2/NDF : 648.0/35

In: 6.197+/-0.676 χ^2/NDF :571.2/35

Out: 5.220+/-0.652 χ^2/NDF :552.8/38

All: 5.690+/-0.469 χ^2/NDF : 1125.1/74

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -195.122 ± 1.159 χ^2/NDF : 4038.0/19

Right Out: -211.780 ± 1.924 χ^2/NDF : 1885.2/18

Left In: -210.351 ± 1.181 χ^2/NDF : 1416.0/18

Left: -202.599 ± 0.827 χ^2/NDF : 5538.7/38

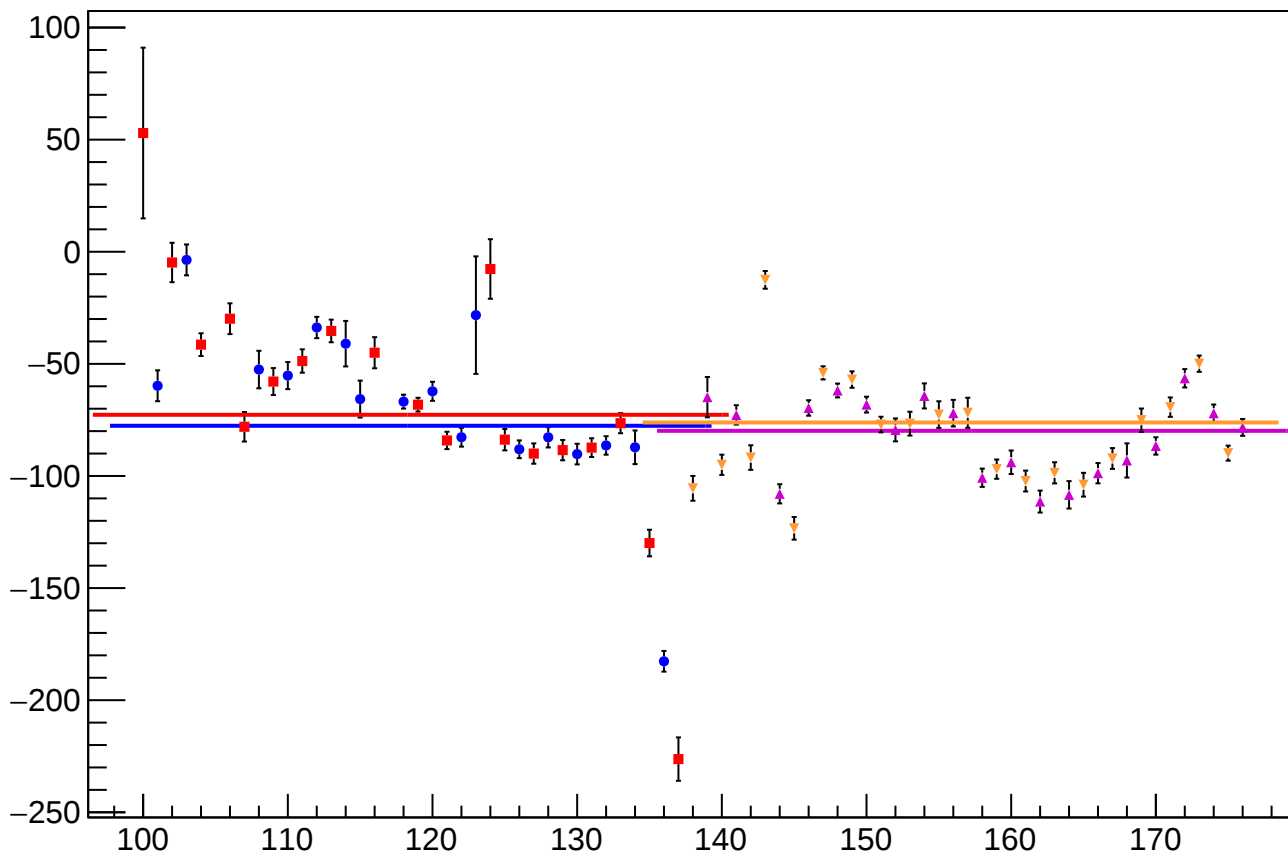
Right: -215.141 ± 1.394 χ^2/NDF : 3038.2/35

In: -212.512 ± 1.020 χ^2/NDF : 2575.8/35

Out: -199.560 ± 0.993 χ^2/NDF : 5978.1/38

All: -205.865 ± 0.711 χ^2/NDF : 8636.7/74

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: -76.137 ± 0.971 χ^2/NDF : 673.7/19

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

Left In: -79.856 ± 1.009 χ^2/NDF : 269.0/18

Left: -77.925 ± 0.700 χ^2/NDF : 949.7/38

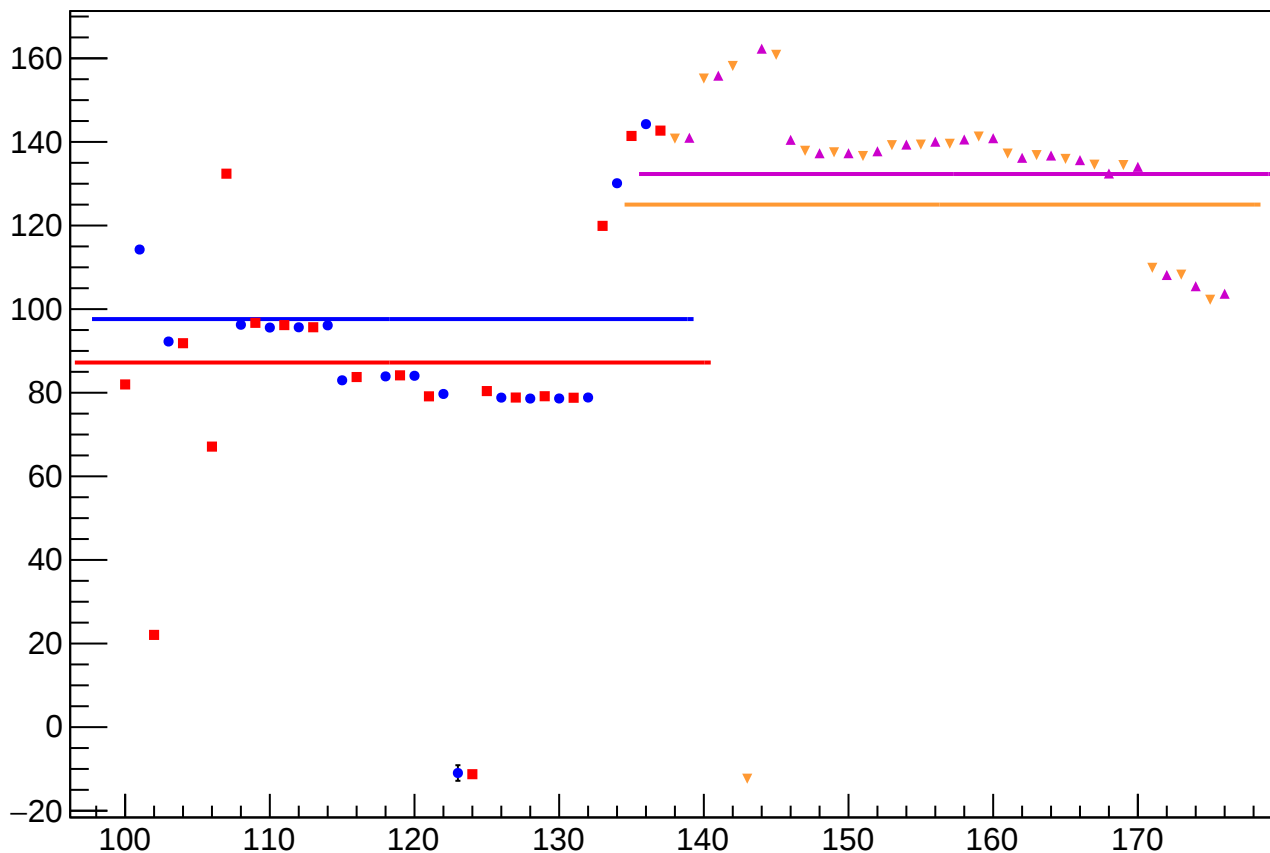
Right: -75.100 ± 0.863 χ^2/NDF : 1495.4/35

In: -78.959 ± 0.782 χ^2/NDF : 1086.9/35

Out: -74.789 ± 0.756 χ^2/NDF : 1350.0/38

All: -76.805 ± 0.544 χ^2/NDF : 2451.6/74

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: 125.009 $\pm$ 0.047 χ^2 /NDF: 598744.9/19

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

Left In: 132.324 $\pm$ 0.047 χ^2 /NDF: 114023.1/18

Left: 128.656 $\pm$ 0.033 χ^2 /NDF: 724986.9/38

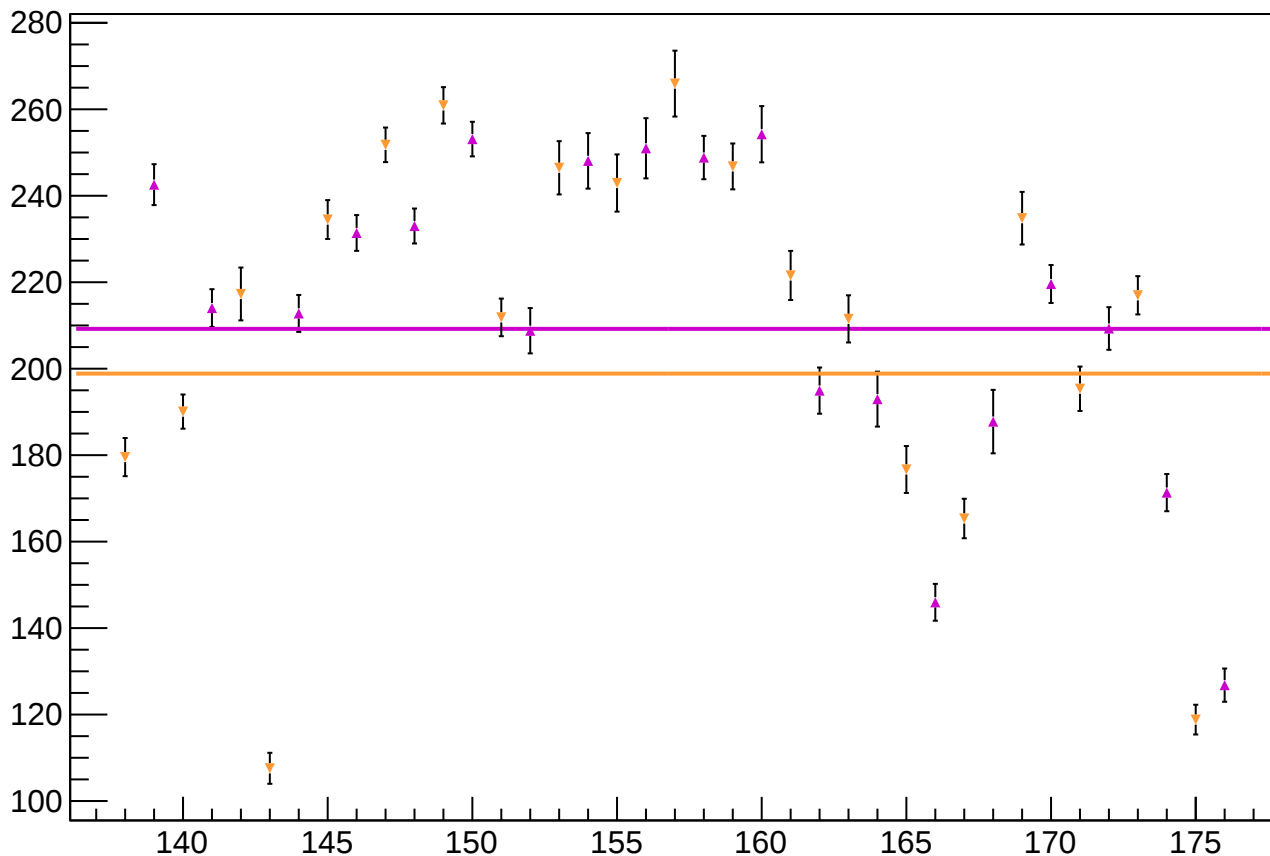
Right: 92.025 $\pm$ 0.050 χ^2 /NDF: 325598.1/35

In: 122.335 $\pm$ 0.040 χ^2 /NDF: 365930.1/35

Out: 112.955 $\pm$ 0.039 χ^2 /NDF: 1028181.0/38

All: 117.527 $\pm$ 0.028 χ^2 /NDF: 1422949.1/74

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 198.863+/-1.060 χ^2/NDF :2093.7/19

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

Left In: 209.218+/-1.100 χ^2/NDF :1203.4/18

Left: 203.850+/-0.763 χ^2/NDF : 3343.1/38

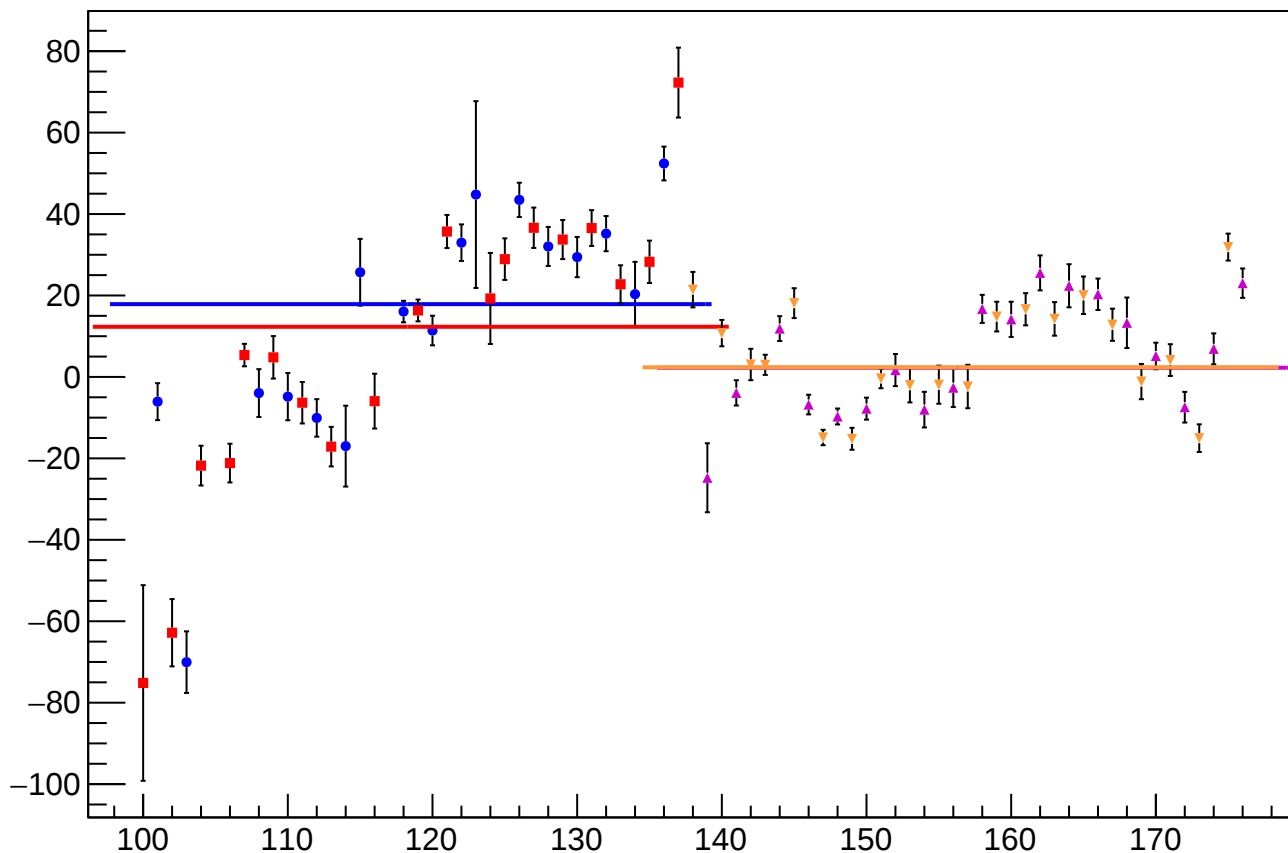
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 209.218+/-1.100 χ^2/NDF :1203.4/18

Out: 198.863+/-1.060 χ^2/NDF :2093.7/19

All: 203.850+/-0.763 χ^2/NDF : 3343.1/38

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: 2.352 $\pm$ 0.748 χ^2 /NDF:335.2/19

Right Out: 12.317 $\pm$ 1.083 χ^2 /NDF: 444.0/18

Left In: 2.260 $\pm$ 0.794 χ^2 /NDF:232.1/18

Left: 2.309 $\pm$ 0.544 χ^2 /NDF: 567.3/38

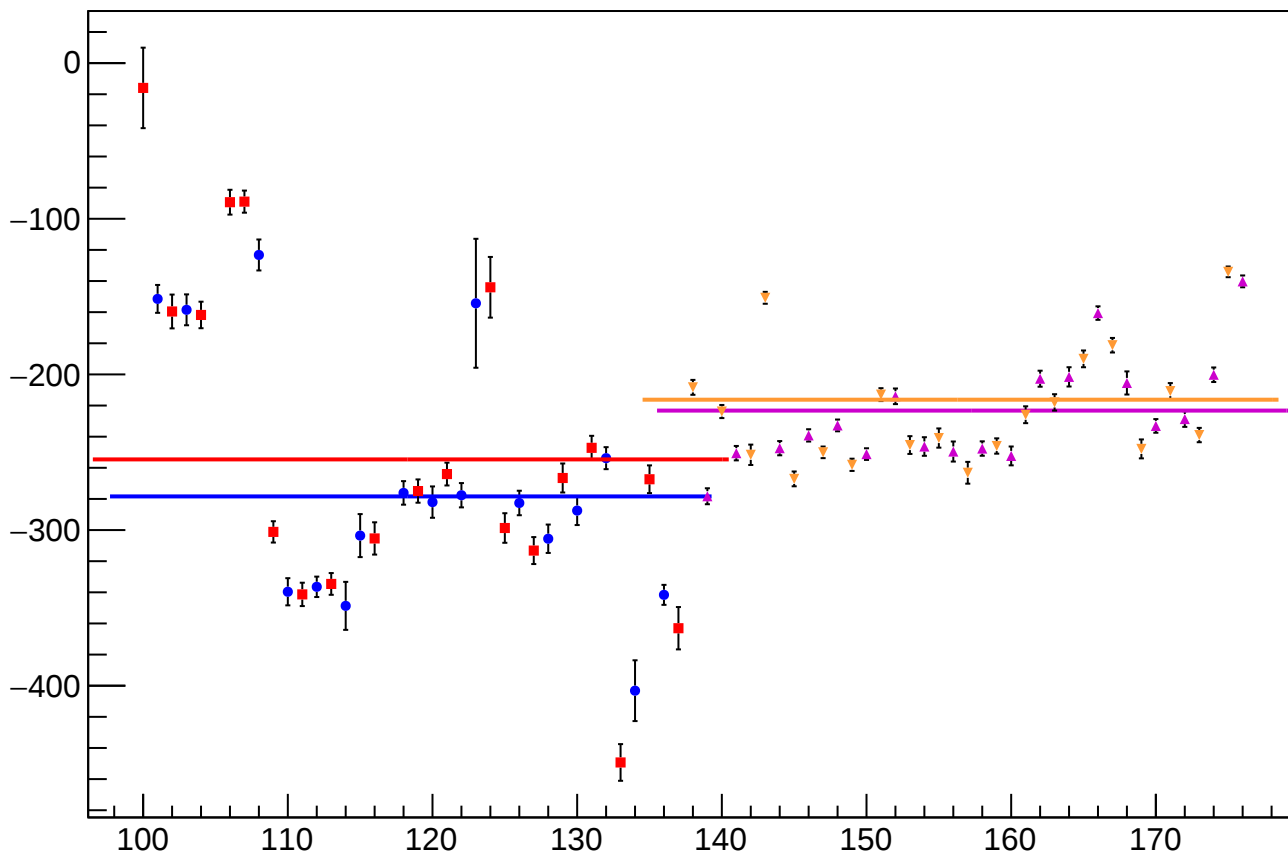
Right: 14.891 $\pm$ 0.794 χ^2 /NDF: 851.6/35

In: 7.205 $\pm$ 0.656 χ^2 /NDF:749.9/35

Out: 5.570 $\pm$ 0.616 χ^2 /NDF:836.6/38

All: 6.336 $\pm$ 0.449 χ^2 /NDF: 1589.8/74

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -216.241 ± 1.057 χ^2/NDF : 1467.8/19

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

Left In: -223.238 ± 1.088 χ^2/NDF : 1090.8/18

Left: -219.637 ± 0.758 χ^2/NDF : 2579.9/38

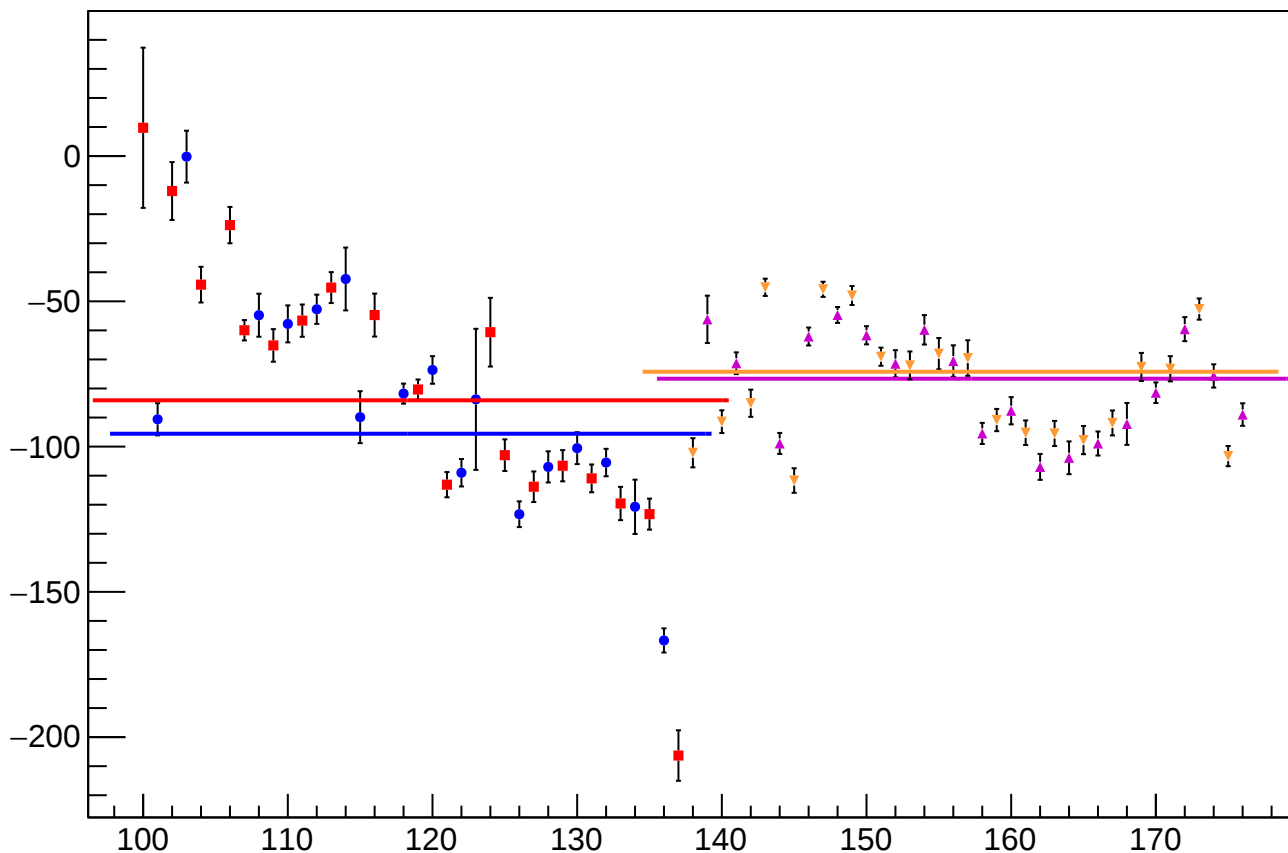
Right: -265.560 ± 1.483 χ^2/NDF : 3011.9/35

In: -234.198 ± 0.974 χ^2/NDF : 2511.8/35

Out: -224.485 ± 0.936 χ^2/NDF : 3788.5/38

All: -229.150 ± 0.675 χ^2/NDF : 6352.0/74

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: -74.231 ± 0.878 χ^2/NDF : 630.9/19

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

Left In: -76.637 ± 0.925 χ^2/NDF : 333.6/18

Left: -75.372 ± 0.637 χ^2/NDF : 968.0/38

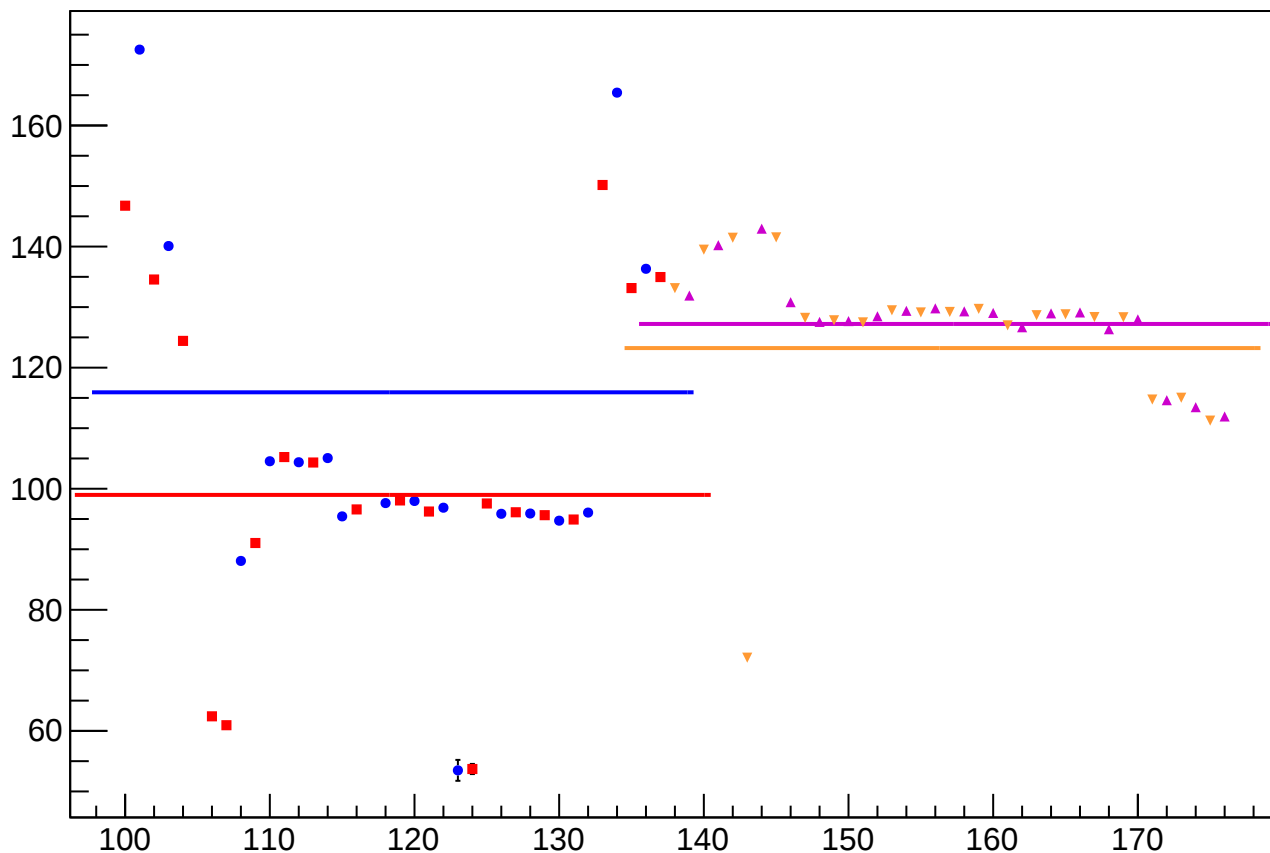
Right: -89.449 ± 0.917 χ^2/NDF : 1493.7/35

In: -82.743 ± 0.761 χ^2/NDF : 1140.1/35

Out: -77.456 ± 0.720 χ^2/NDF : 1455.2/38

All: -79.952 ± 0.523 χ^2/NDF : 2620.8/74

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: 123.233 $\pm$ 0.043 χ^2 /NDF:154291.4/19

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

Left In: 127.217 $\pm$ 0.043 χ^2 /NDF:32091.8/18

Left: 125.192 $\pm$ 0.030 χ^2 /NDF: 190690.6/38

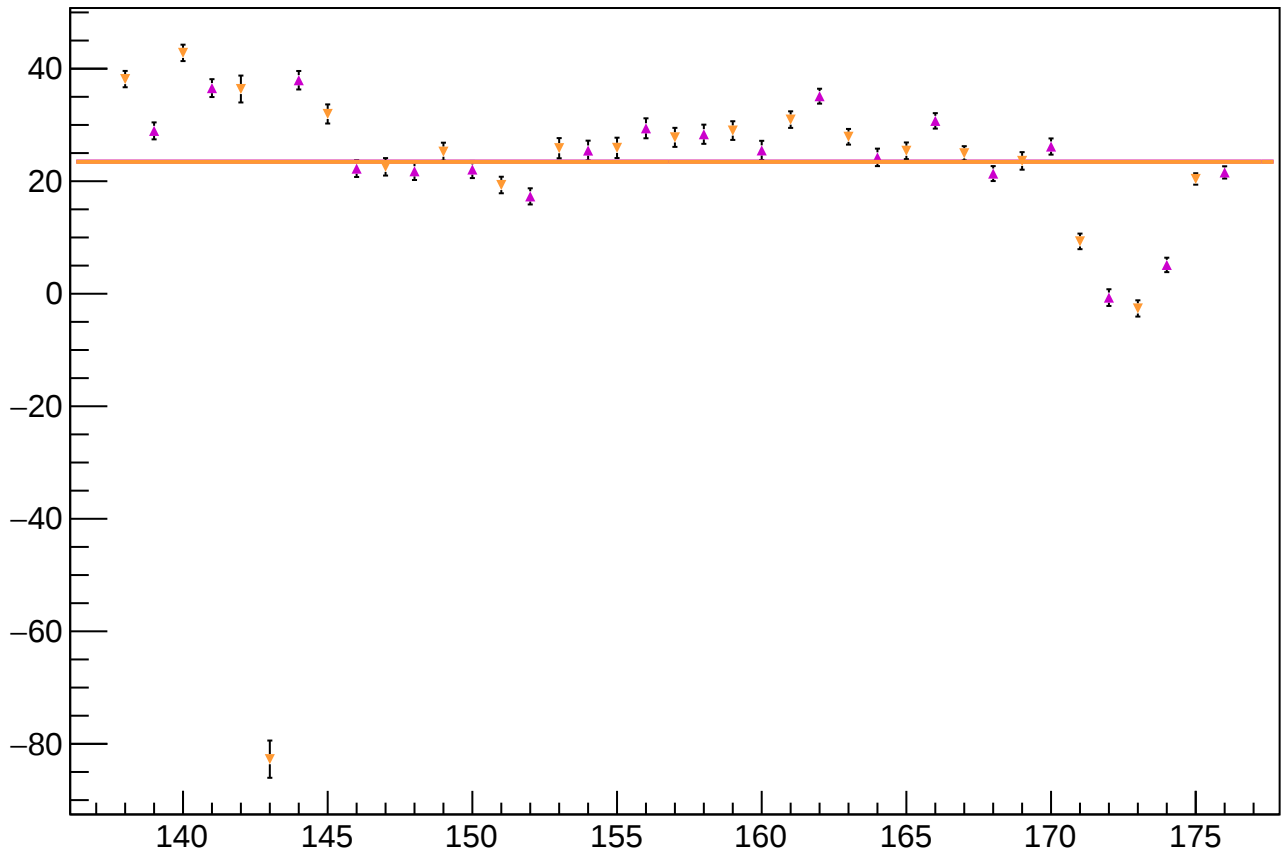
Right: 106.321 $\pm$ 0.052 χ^2 /NDF: 305233.1/35

In: 124.582 $\pm$ 0.038 χ^2 /NDF:153770.8/35

Out: 116.486 $\pm$ 0.036 χ^2 /NDF:417606.4/38

All: 120.345 $\pm$ 0.026 χ^2 /NDF: 595273.4/74

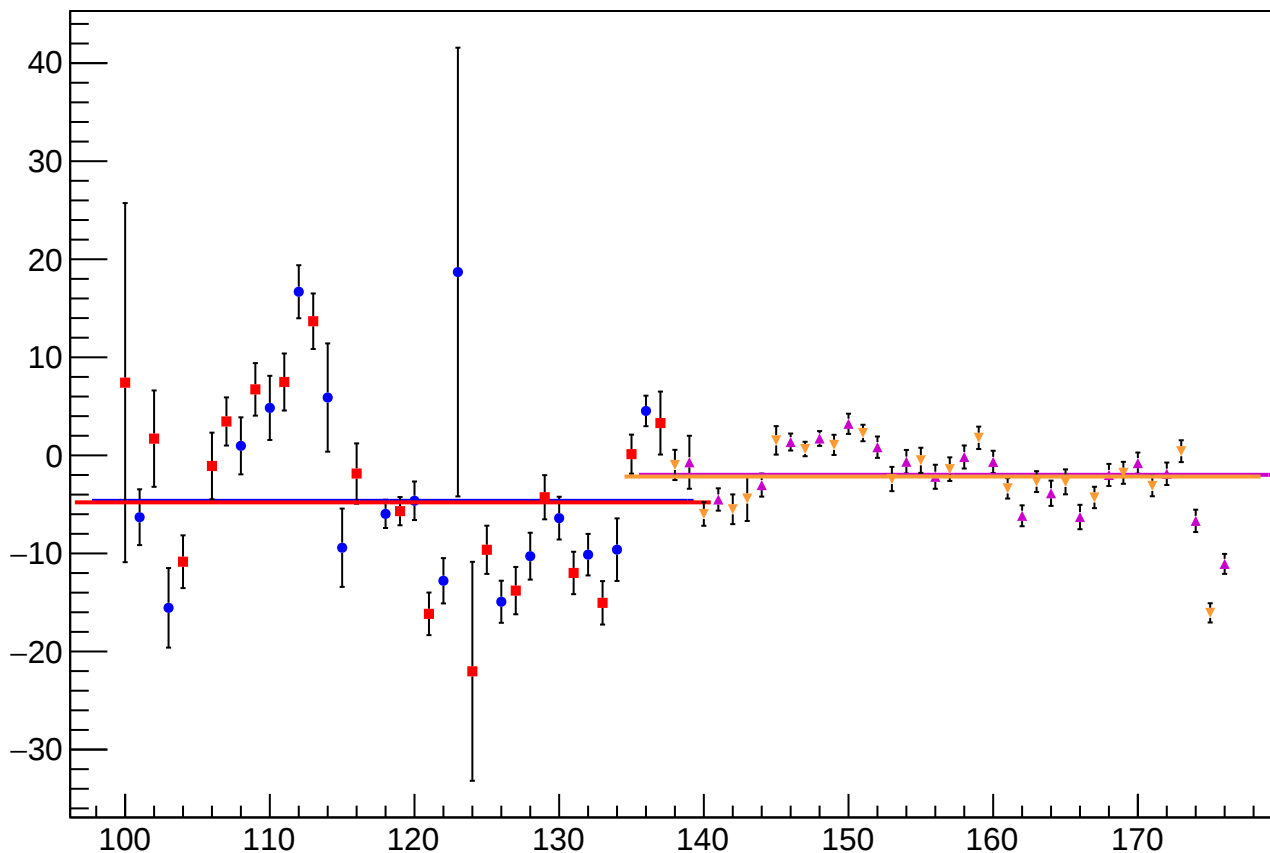
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 23.438 $\pm$ 0.341 χ^2 /NDF:1870.2/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 23.492 $\pm$ 0.337 χ^2 /NDF:785.7/18

Left: 23.465 $\pm$ 0.240 χ^2 /NDF: 2655.9/38
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 23.492 $\pm$ 0.337 χ^2 /NDF:785.7/18
 Out: 23.438 $\pm$ 0.341 χ^2 /NDF:1870.2/19
 All: 23.465 $\pm$ 0.240 χ^2 /NDF: 2655.9/38

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: -2.157 ± 0.251 χ^2/NDF : 301.7/19

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

Left In: -1.982 ± 0.253 χ^2/NDF : 209.4/18

Left: -2.071 ± 0.178 χ^2/NDF : 511.3/38

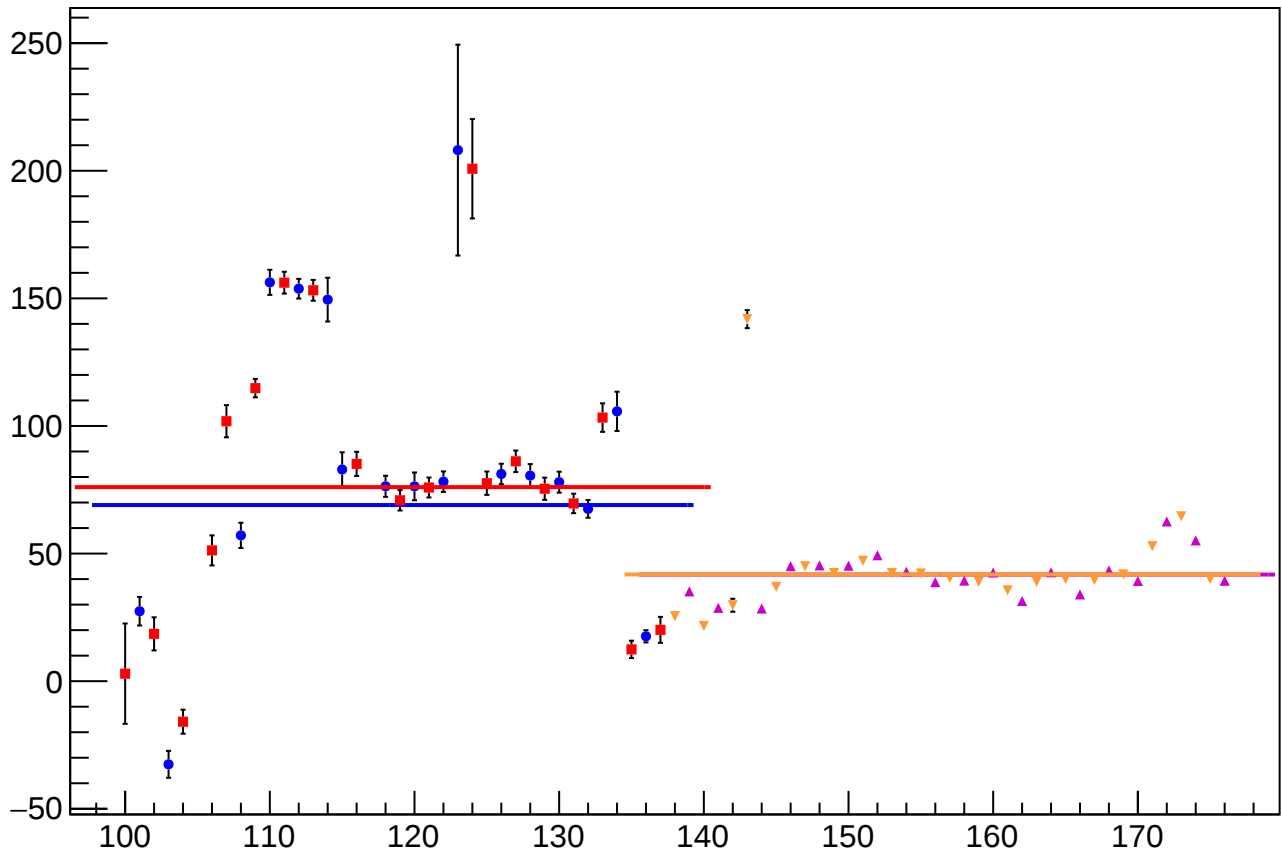
Right: -4.714 ± 0.414 χ^2/NDF : 367.0/35

In: -2.397 ± 0.232 χ^2/NDF : 401.0/35

Out: -2.566 ± 0.230 χ^2/NDF : 511.4/38

All: -2.482 ± 0.164 χ^2/NDF : 912.7/74

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019 ± 1.083 χ^2/NDF : 1848.0/16

Left Out: 41.810 ± 0.337 χ^2/NDF : 1455.4/19

Right Out: 76.041 ± 1.070 χ^2/NDF : 1881.9/18

Left In: 41.777 ± 0.333 χ^2/NDF : 574.9/18

Left: 41.794 ± 0.237 χ^2/NDF : 2030.3/38

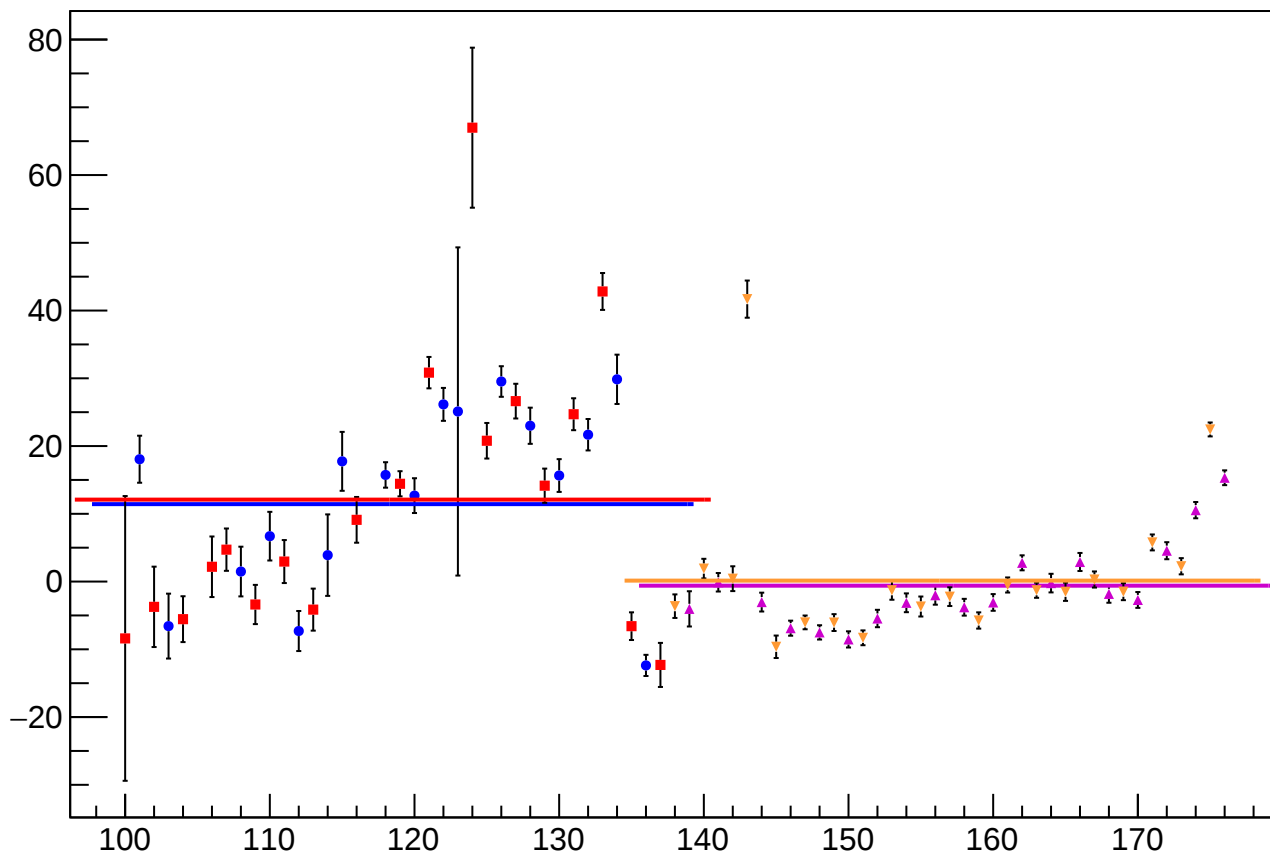
Right: 72.574 ± 0.761 χ^2/NDF : 3751.2/35

In: 44.134 ± 0.319 χ^2/NDF : 3000.4/35

Out: 44.903 ± 0.322 χ^2/NDF : 4268.6/38

All: 44.515 ± 0.226 χ^2/NDF : 7271.8/74

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 $\chi^2/\text{NDF}: 476.8/16$

Left Out: 0.140 ± 0.287 $\chi^2/\text{NDF}: 929.3/19$

Right Out: 12.095 ± 0.664 $\chi^2/\text{NDF}: 539.1/18$

Left In: -0.606 ± 0.289 $\chi^2/\text{NDF}: 489.1/18$

Left: -0.231 ± 0.204 $\chi^2/\text{NDF}: 1421.8/38$

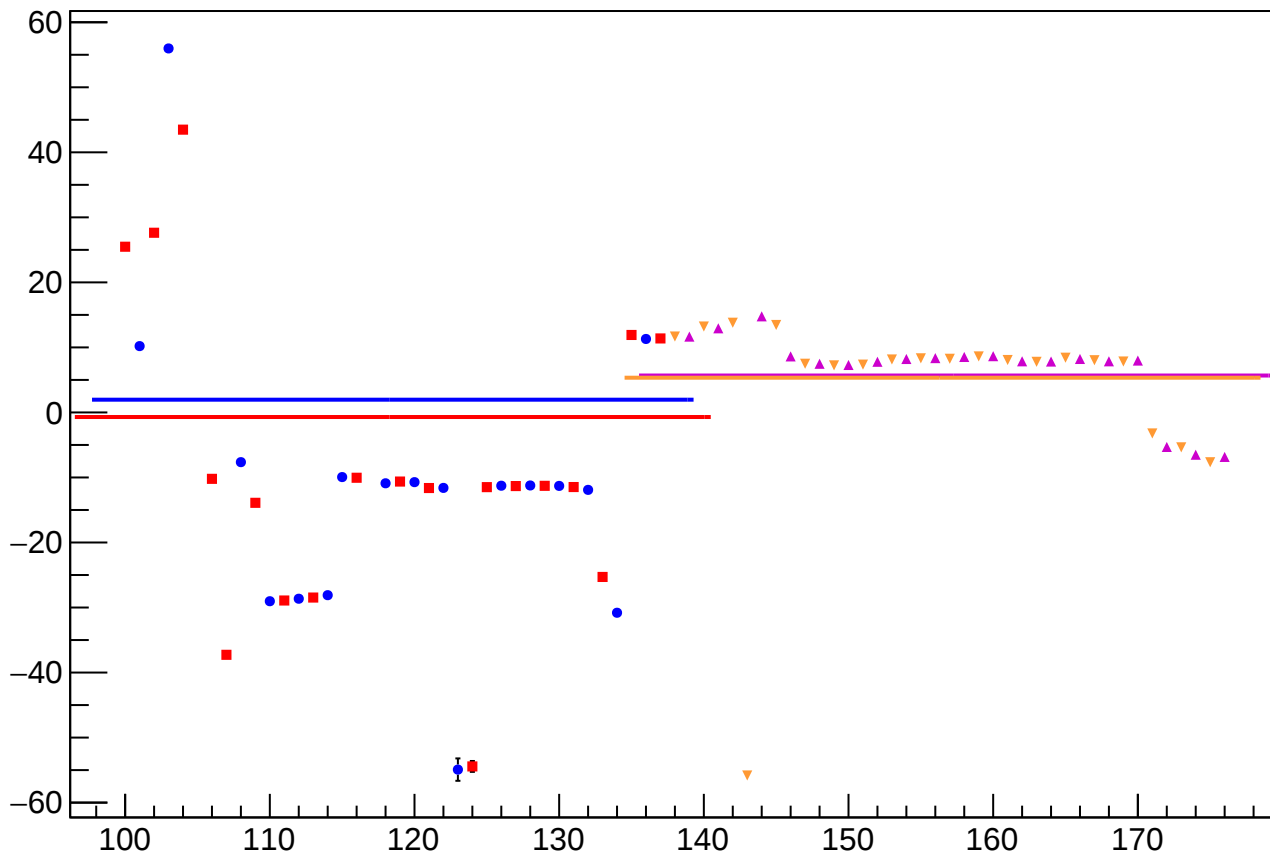
Right: 11.762 ± 0.470 $\chi^2/\text{NDF}: 1016.4/35$

In: 1.306 ± 0.265 $\chi^2/\text{NDF}: 1241.0/35$

Out: 2.024 ± 0.264 $\chi^2/\text{NDF}: 1741.6/38$

All: 1.667 ± 0.187 $\chi^2/\text{NDF}: 2986.2/74$

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 ± 0.037 χ^2/NDF : 358457.0/16

Left Out: 5.340 ± 0.013 χ^2/NDF : 396024.4/19

Right Out: -0.704 ± 0.037 χ^2/NDF : 361168.6/18

Left In: 5.677 ± 0.013 χ^2/NDF : 232514.1/18

Left: 5.512 ± 0.009 χ^2/NDF : 628864.5/38

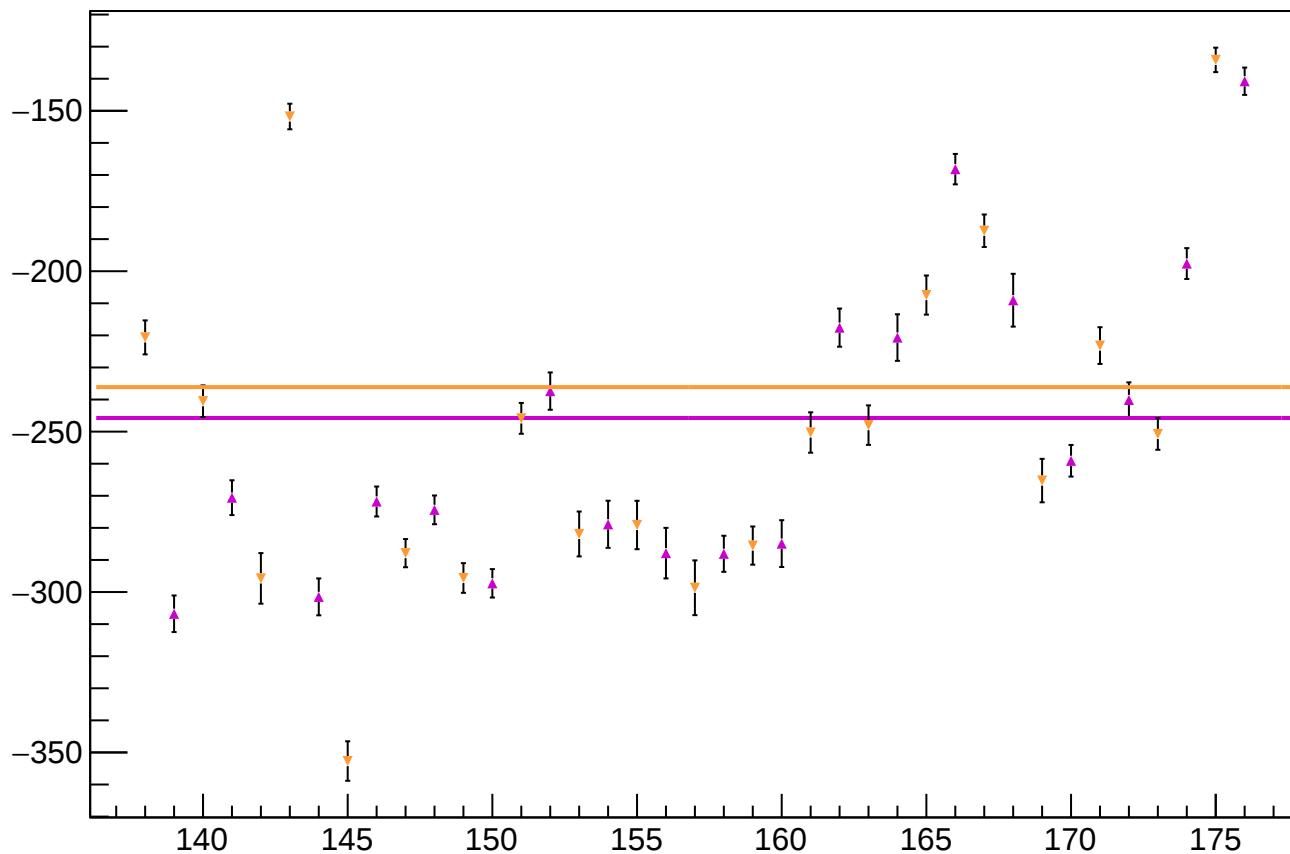
Right: 0.627 ± 0.026 χ^2/NDF : 722198.2/35

In: 5.270 ± 0.012 χ^2/NDF : 599885.5/35

Out: 4.651 ± 0.013 χ^2/NDF : 780681.7/38

All: 4.967 ± 0.009 χ^2/NDF : 1381809.0/74

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -236.121 $\pm$ 1.209 χ^2/NDF :2250.9/19

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

Left In: -245.755 $\pm$ 1.254 χ^2/NDF :1612.5/18

Left: -240.763 $\pm$ 0.870 χ^2/NDF : 3894.0/38

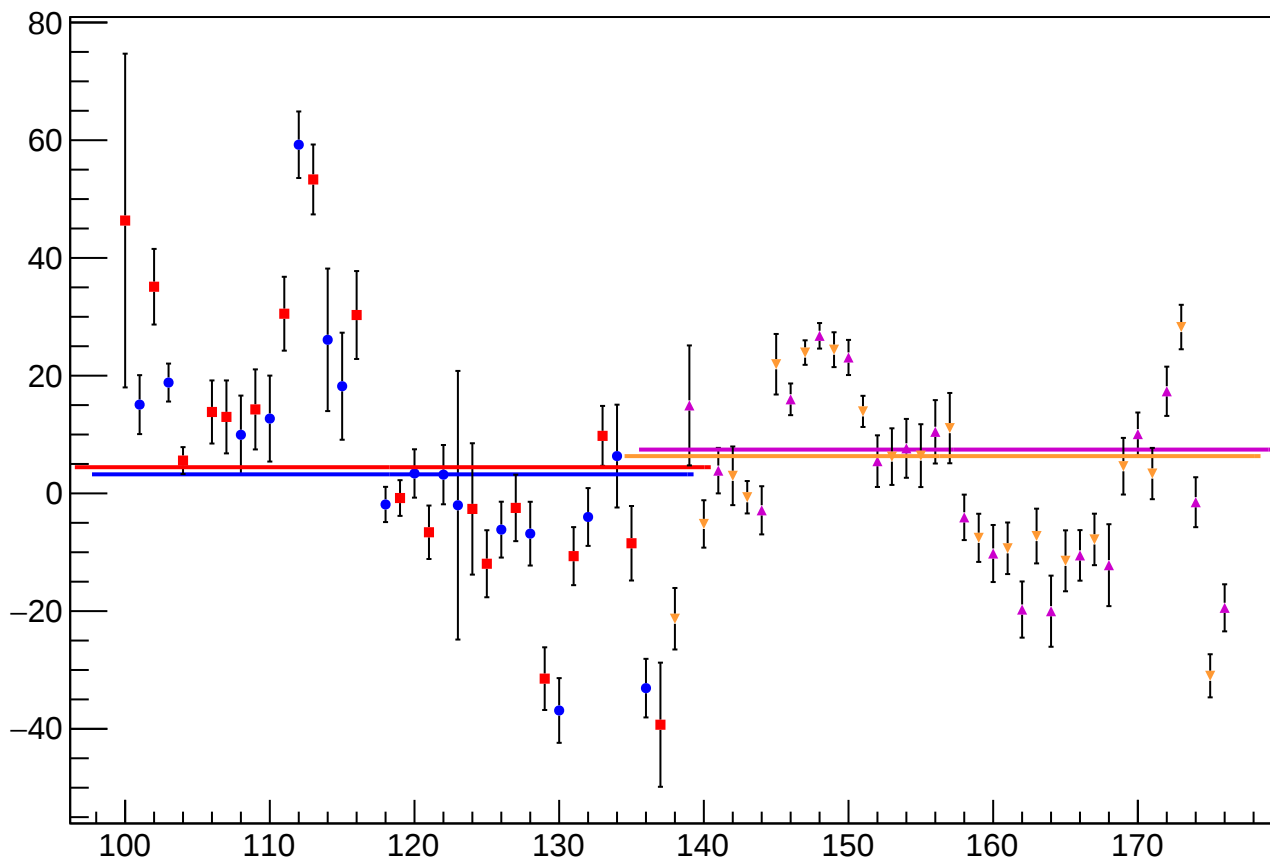
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -245.755 $\pm$ 1.254 χ^2/NDF :1612.5/18

Out: -236.121 $\pm$ 1.209 χ^2/NDF :2250.9/19

All: -240.763 $\pm$ 0.870 χ^2/NDF : 3894.0/38

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: 6.333 ± 0.848 χ^2/NDF : 363.1/19

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

Left In: 7.442 ± 0.901 χ^2/NDF : 281.6/18

Left: 6.854 ± 0.618 χ^2/NDF : 645.4/38

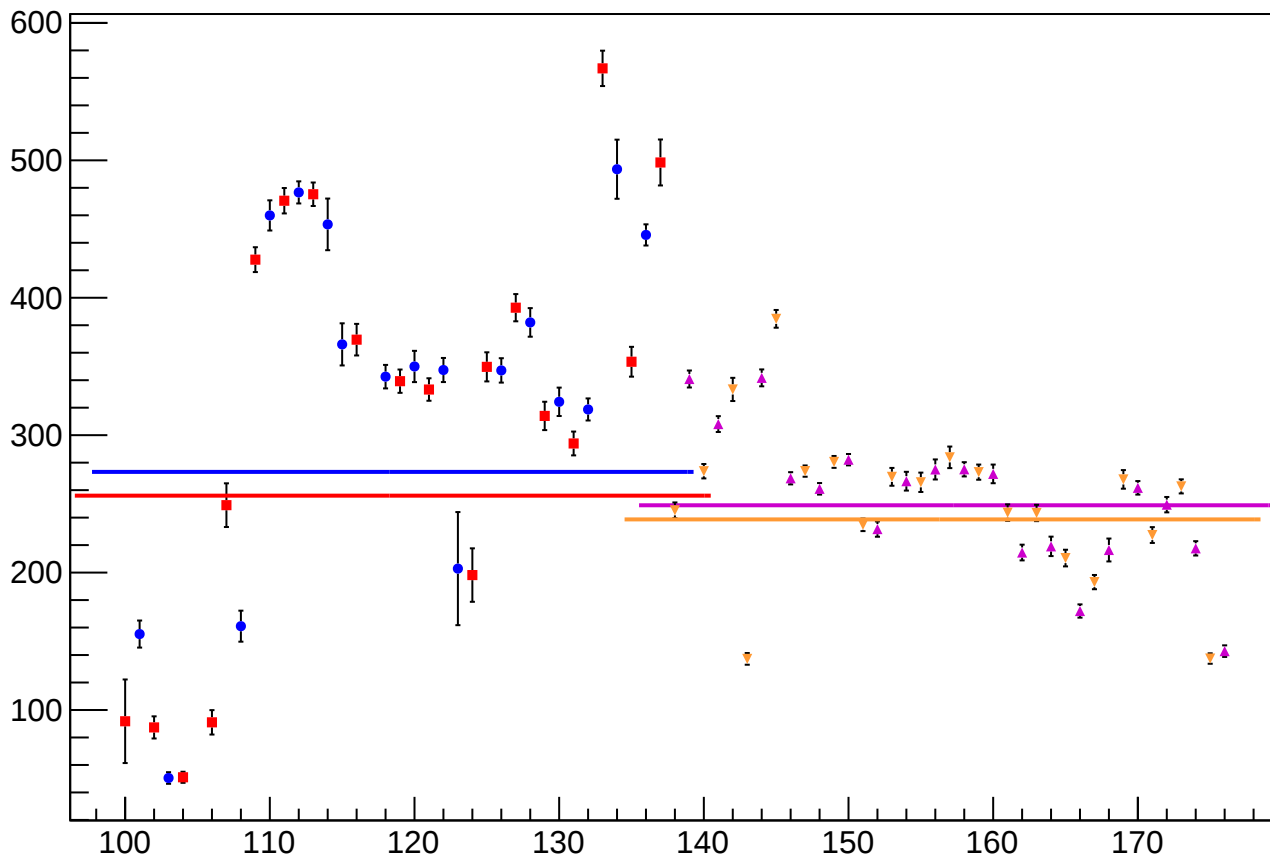
Right: 3.887 ± 0.847 χ^2/NDF : 481.6/35

In: 5.994 ± 0.730 χ^2/NDF : 544.4/35

Out: 5.675 ± 0.684 χ^2/NDF : 590.5/38

All: 5.824 ± 0.499 χ^2/NDF : 1135.0/74

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: 238.696 $\pm$ 1.201 χ^2 /NDF:2381.6/19

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

Left In: 248.981 $\pm$ 1.237 χ^2 /NDF:1711.9/18

Left: 243.687 $\pm$ 0.862 χ^2 /NDF: 4129.0/38

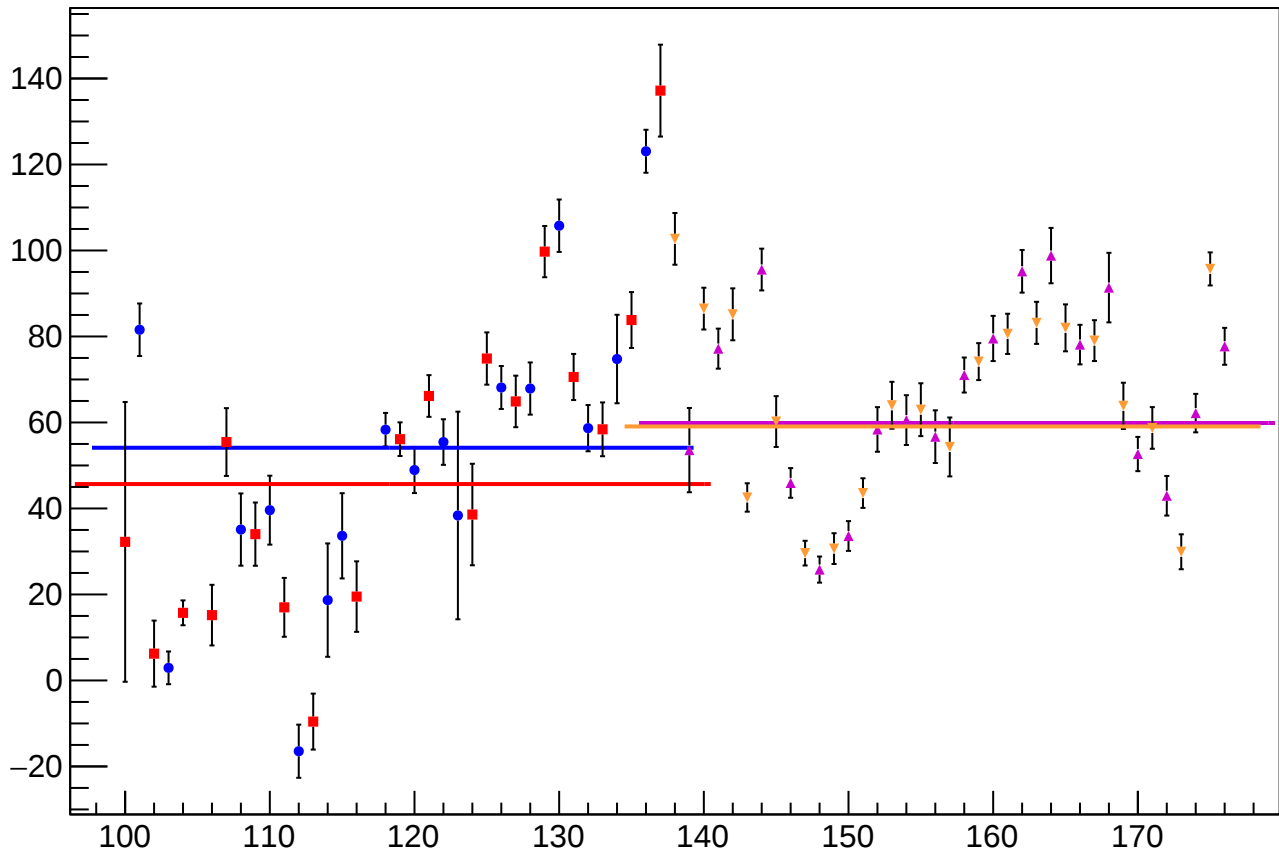
Right: 264.127 $\pm$ 1.513 χ^2 /NDF: 11572.5/35

In: 254.799 $\pm$ 1.079 χ^2 /NDF:6905.8/35

Out: 243.021 $\pm$ 1.040 χ^2 /NDF:8871.8/38

All: 248.694 $\pm$ 0.749 χ^2 /NDF: 15839.4/74

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 59.070 $\pm$ 0.996 χ^2 /NDF:554.5/19

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

Left In: 59.873 $\pm$ 1.050 χ^2 /NDF:442.3/18

Left: 59.450 $\pm$ 0.723 χ^2 /NDF: 997.1/38

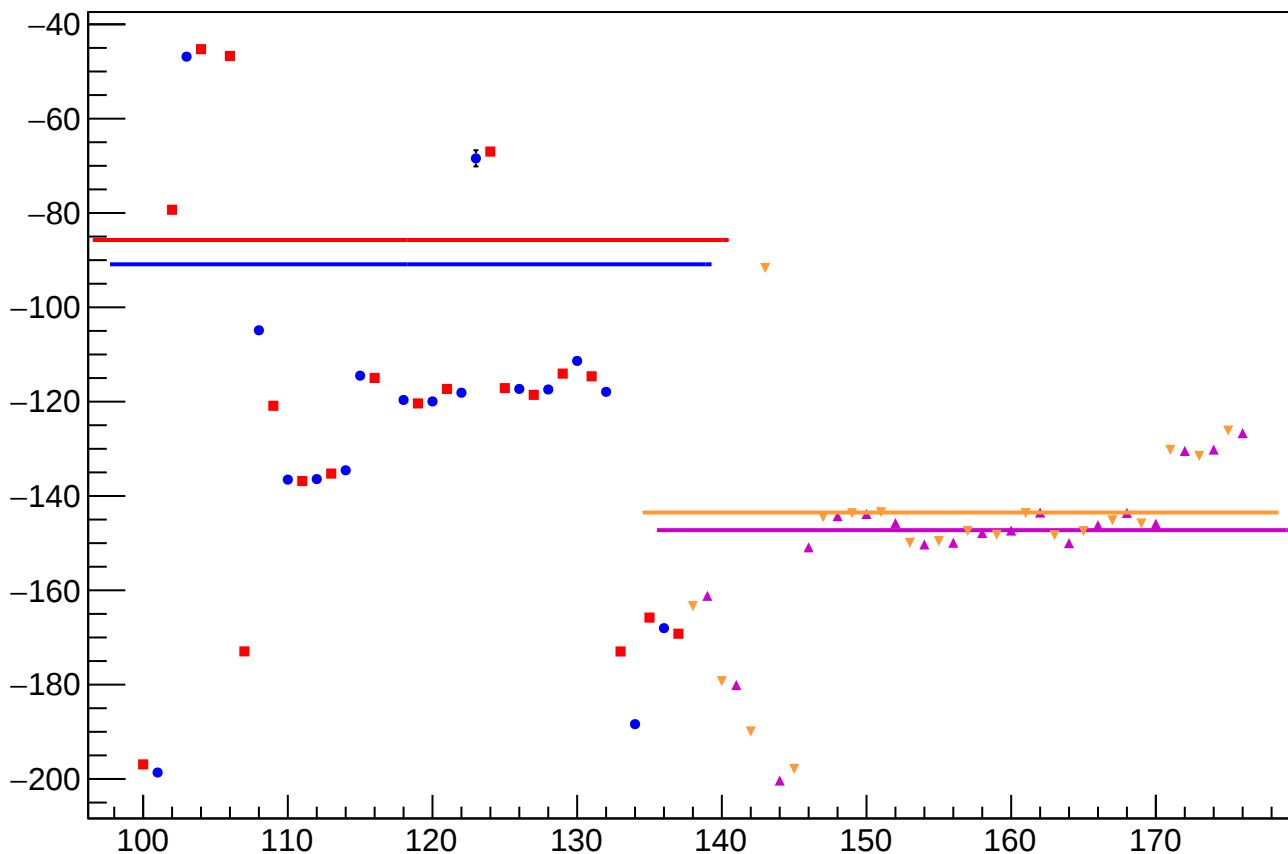
Right: 49.654 $\pm$ 0.987 χ^2 /NDF: 1183.2/35

In: 57.871 $\pm$ 0.848 χ^2 /NDF:1086.7/35

Out: 54.380 $\pm$ 0.803 χ^2 /NDF:1148.8/38

All: 56.030 $\pm$ 0.583 χ^2 /NDF: 2244.4/74

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: -143.508 ± 0.048 $\chi^2/\text{NDF}: 208317.6/19$

Right Out: -85.722 ± 0.065 $\chi^2/\text{NDF}: 494183.1/18$

Left In: -147.243 ± 0.049 $\chi^2/\text{NDF}: 91268.2/18$

Left: -145.346 ± 0.035 $\chi^2/\text{NDF}: 302512.5/38$

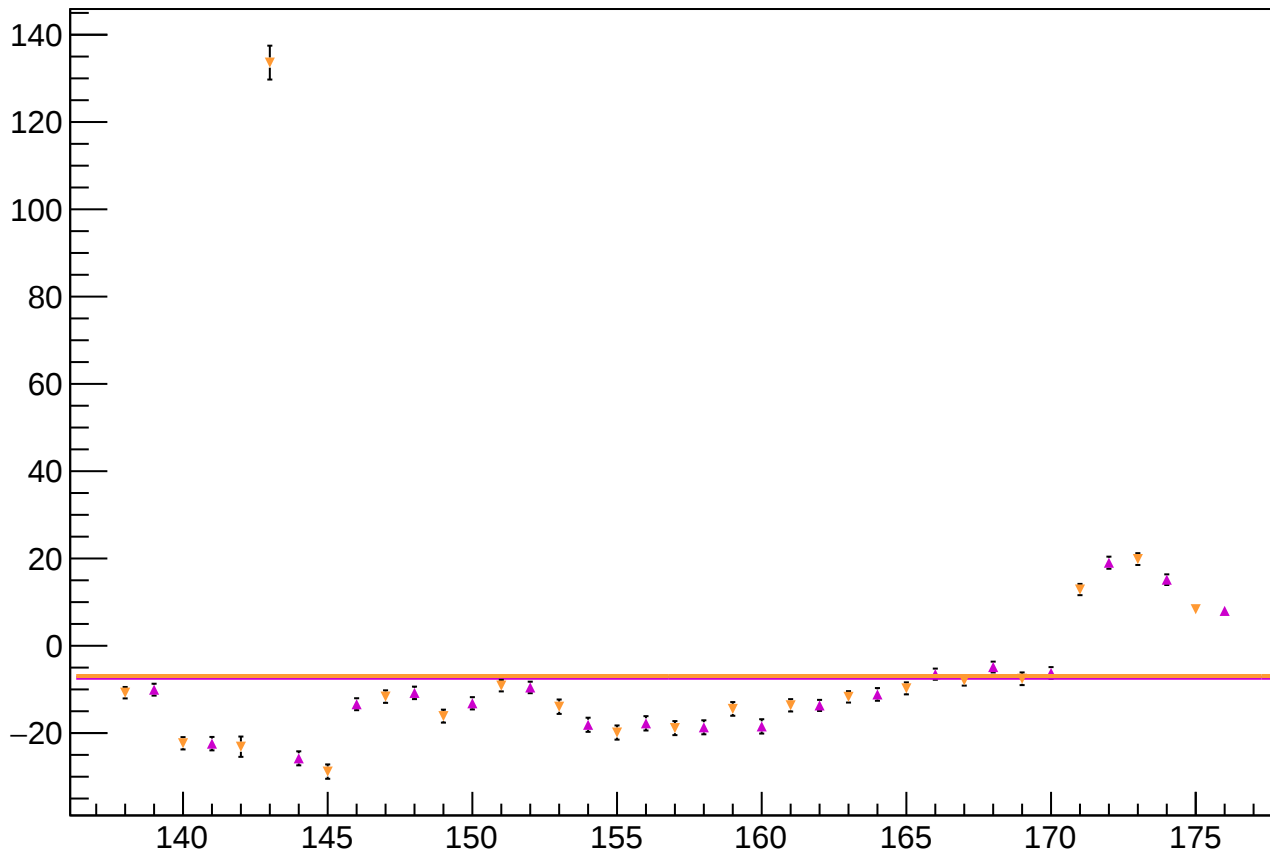
Right: -88.197 ± 0.047 $\chi^2/\text{NDF}: 1030623.7/35$

In: -127.783 ± 0.040 $\chi^2/\text{NDF}: 1077761.9/35$

Out: -122.905 ± 0.039 $\chi^2/\text{NDF}: 1210025.5/38$

All: -125.284 ± 0.028 $\chi^2/\text{NDF}: 2295477.0/74$

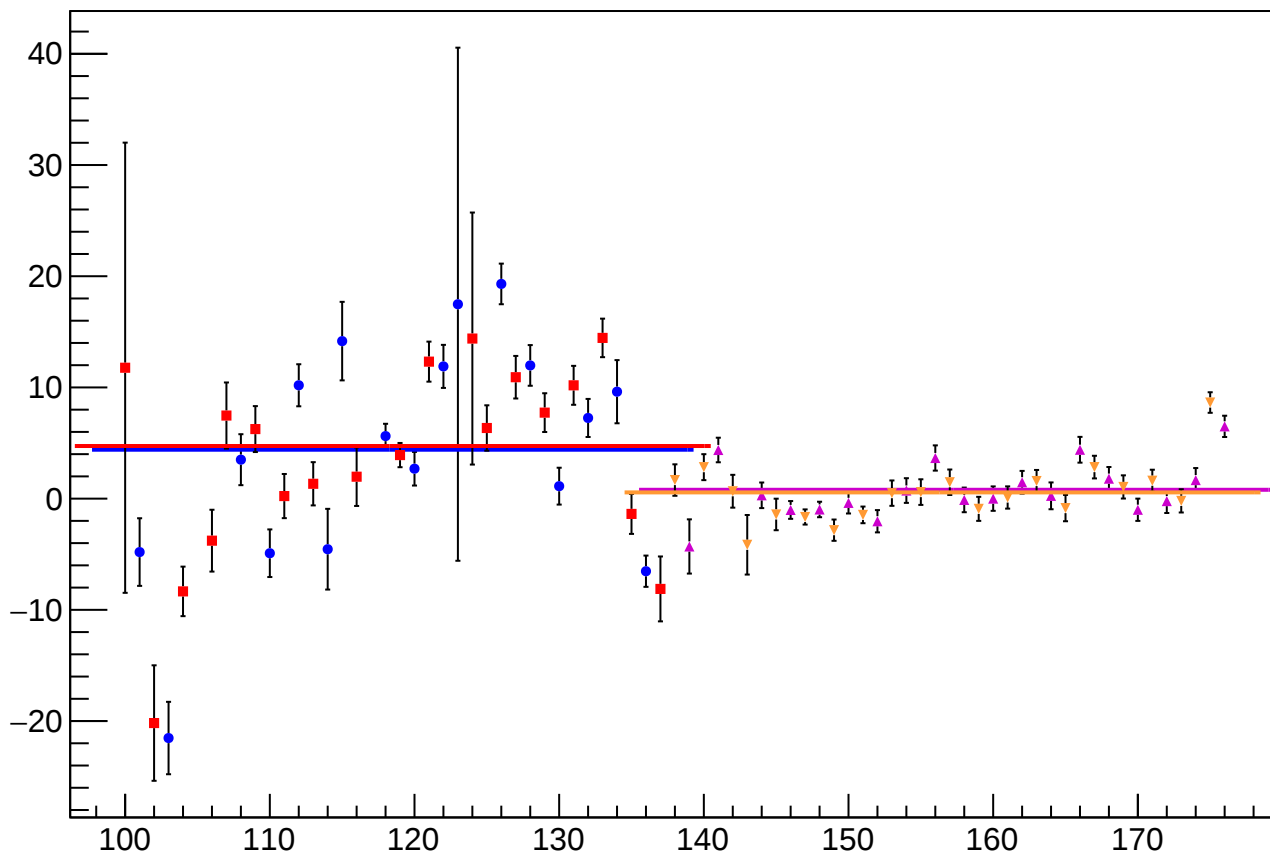
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.925+/-0.319 χ^2/NDF :2801.4/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.332+/-0.316 χ^2/NDF :1422.3/18

Left: -7.131+/-0.225 χ^2/NDF : 4224.5/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -7.332+/-0.316 χ^2/NDF :1422.3/18
 Out: -6.925+/-0.319 χ^2/NDF :2801.4/19
 All: -7.131+/-0.225 χ^2/NDF : 4224.5/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: 0.561 ± 0.234 χ^2/NDF : 128.4/19

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

Left In: 0.796 ± 0.237 χ^2/NDF : 95.1/18

Left: 0.677 ± 0.167 χ^2/NDF : 224.1/38

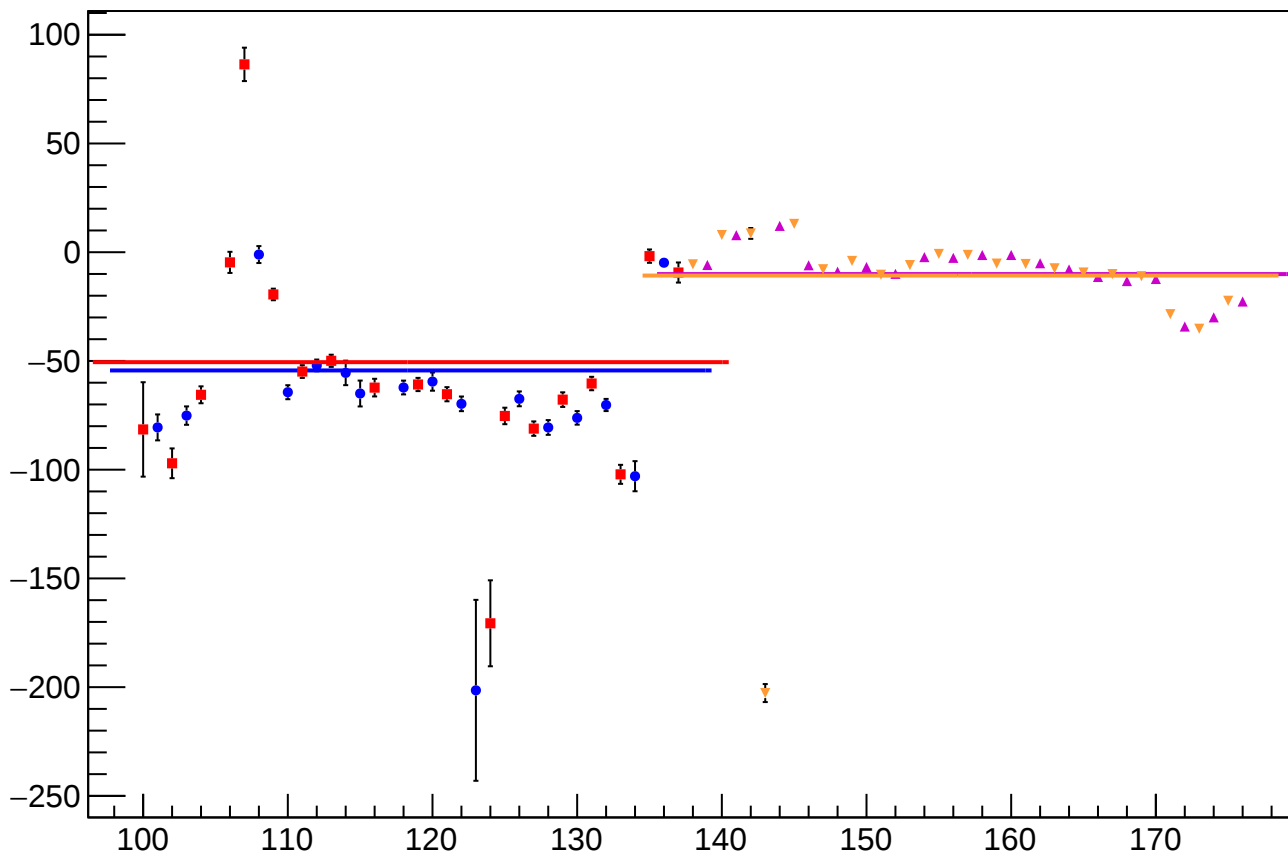
Right: 4.565 ± 0.334 χ^2/NDF : 470.0/35

In: 1.523 ± 0.212 χ^2/NDF : 428.7/35

Out: 1.382 ± 0.210 χ^2/NDF : 373.7/38

All: 1.452 ± 0.149 χ^2/NDF : 802.6/74

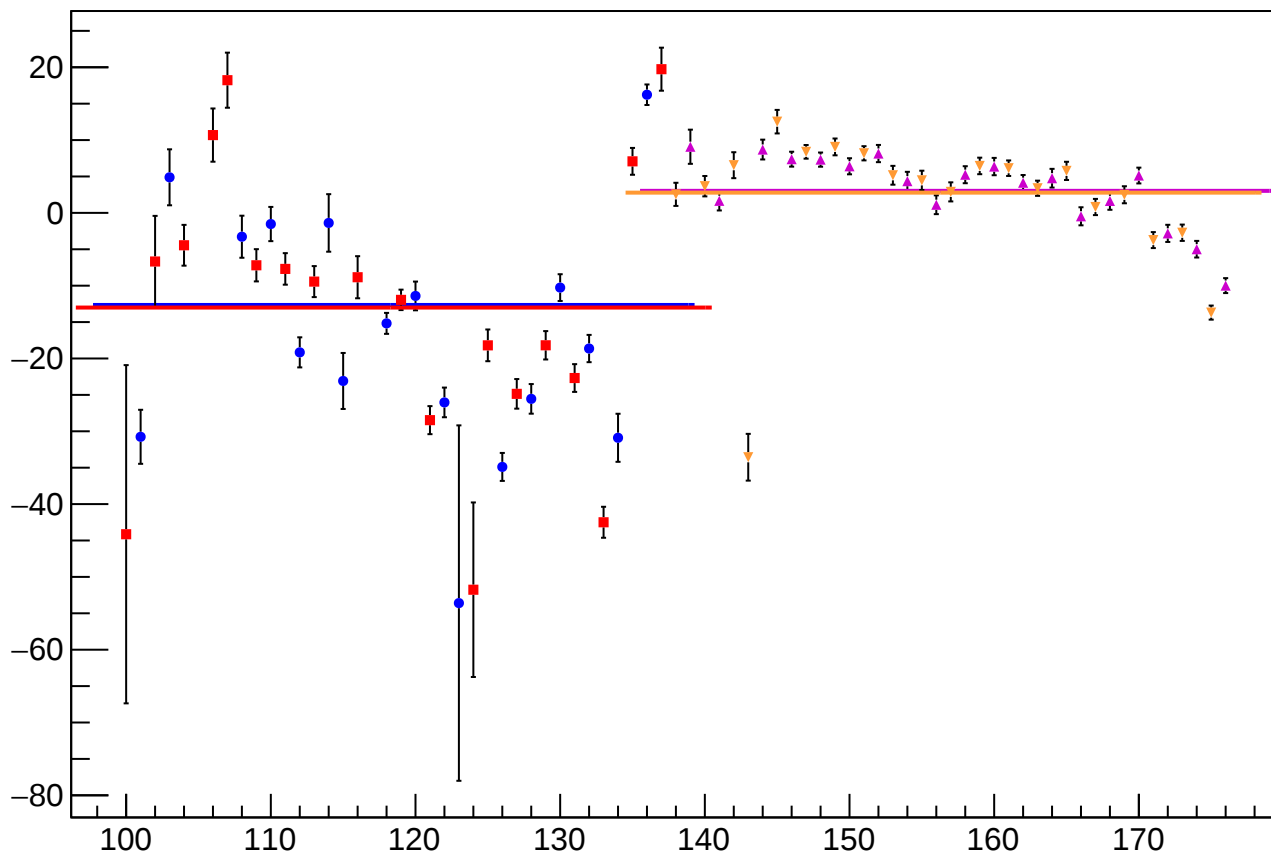
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 $\chi^2/\text{NDF}: 1013.5/16$
 Left Out: -10.734 ± 0.315 $\chi^2/\text{NDF}: 3362.8/19$
 Right Out: -50.554 ± 0.858 $\chi^2/\text{NDF}: 1321.3/18$
 Left In: -10.062 ± 0.312 $\chi^2/\text{NDF}: 1131.3/18$

Left: -10.394 ± 0.222 $\chi^2/\text{NDF}: 4496.4/38$
 Right: -52.436 ± 0.610 $\chi^2/\text{NDF}: 2344.5/35$
 In: -15.130 ± 0.294 $\chi^2/\text{NDF}: 4450.6/35$
 Out: -15.482 ± 0.296 $\chi^2/\text{NDF}: 6583.4/38$
 All: -15.304 ± 0.209 $\chi^2/\text{NDF}: 11034.7/74$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 2.781 ± 0.269 χ^2/NDF : 649.5/19

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

Left In: 3.026 ± 0.271 χ^2/NDF : 356.2/18

Left: 2.902 ± 0.191 χ^2/NDF : 1006.2/38

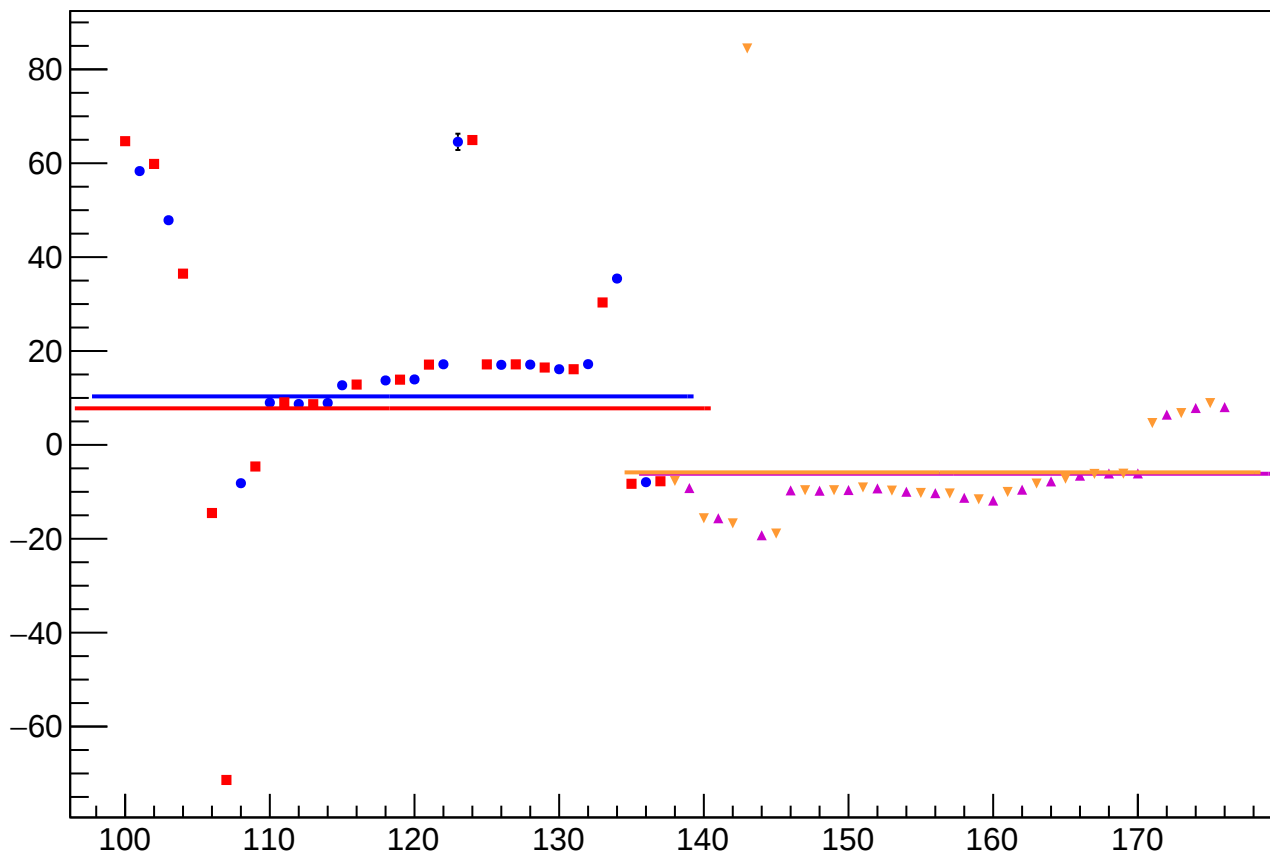
Right: -12.826 ± 0.380 χ^2/NDF : 1510.1/35

In: -0.167 ± 0.242 χ^2/NDF : 1824.9/35

Out: -0.378 ± 0.240 χ^2/NDF : 2060.8/38

All: -0.273 ± 0.171 χ^2/NDF : 3886.0/74

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: -5.855+/-0.012 χ^2/NDF : 636445.6/19

Right Out: 7.786+/-0.031 χ^2/NDF : 544119.7/18

Left In: -6.149+/-0.012 χ^2/NDF : 362345.1/18

Left: -6.005+/-0.009 χ^2/NDF : 999074.7/38

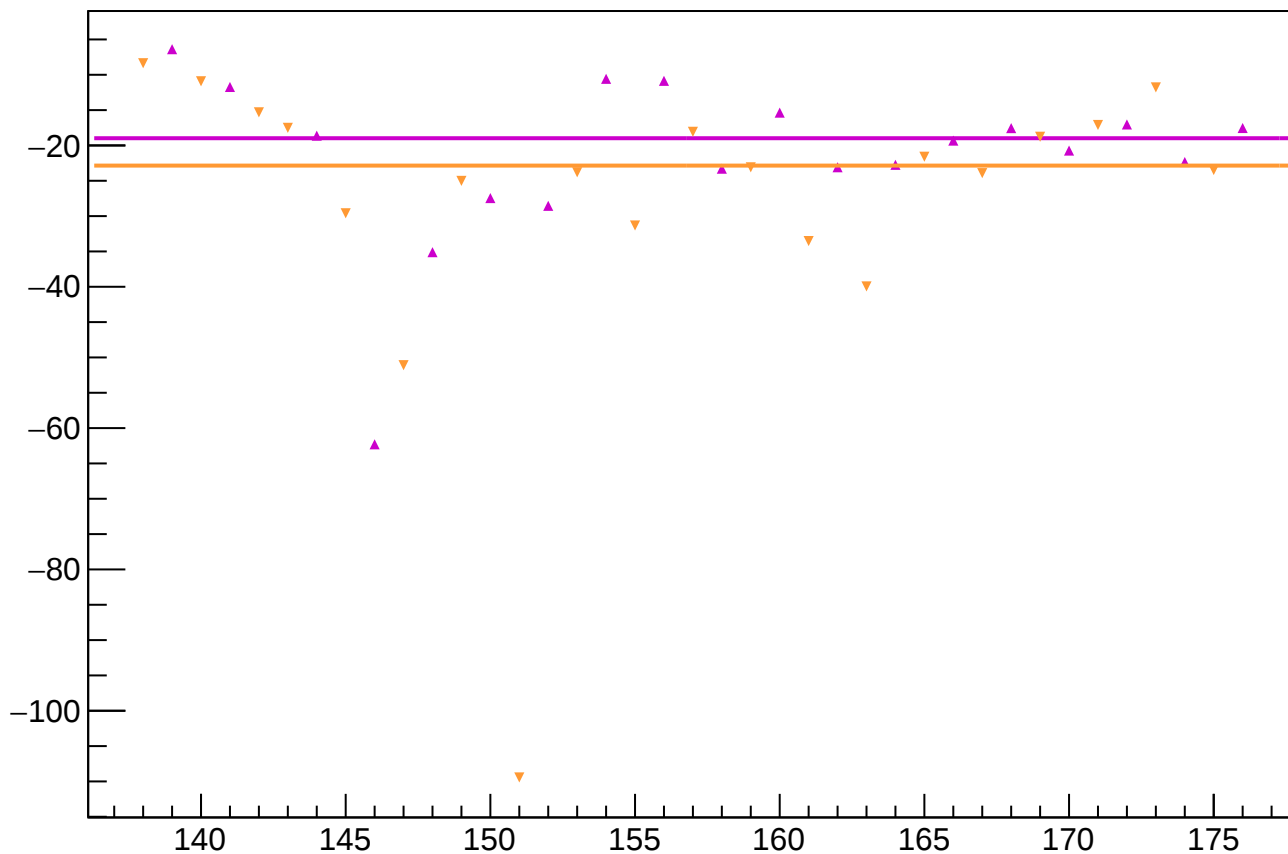
Right: 9.084+/-0.022 χ^2/NDF : 928345.1/35

In: -3.904+/-0.011 χ^2/NDF : 992463.7/35

Out: -3.991+/-0.012 χ^2/NDF : 1344508.8/38

All: -3.947+/-0.008 χ^2/NDF : 2337001.6/74

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.851+/-0.051 χ^2/NDF : 62492.1/19

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

Left In: -18.978+/-0.046 χ^2/NDF : 37609.2/18

Left: -20.695+/-0.034 χ^2/NDF : 103260.6/38

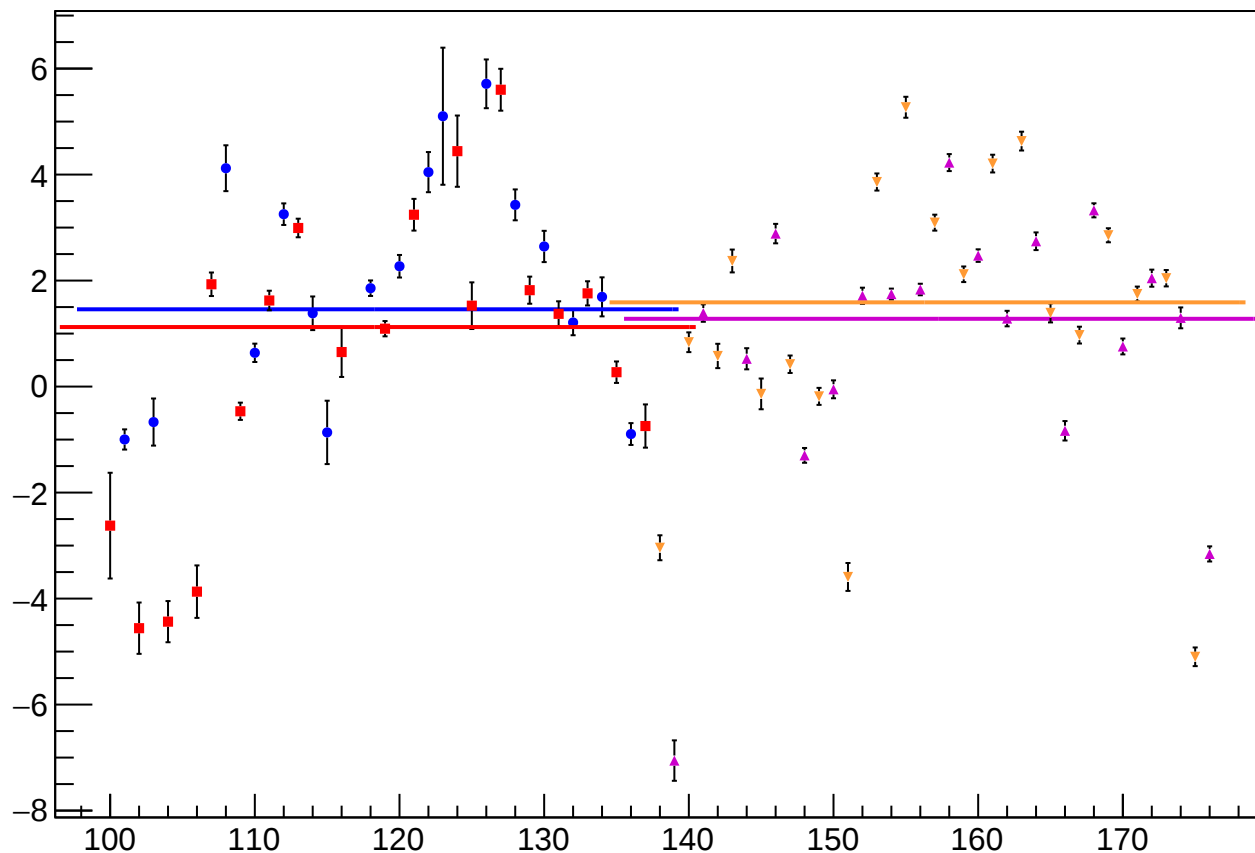
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.978+/-0.046 χ^2/NDF : 37609.2/18

Out: -22.851+/-0.051 χ^2/NDF : 62492.1/19

All: -20.695+/-0.034 χ^2/NDF : 103260.6/38

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458±/0.062 χ^2/NDF : 698.2/16

Left Out: 1.589±/0.039 χ^2/NDF : 3786.4/19

Right Out: 1.123±/0.058 χ^2/NDF : 947.4/18

Left In: 1.279±/0.034 χ^2/NDF : 2911.9/18

Left: 1.415±/0.026 χ^2/NDF : 6734.1/38

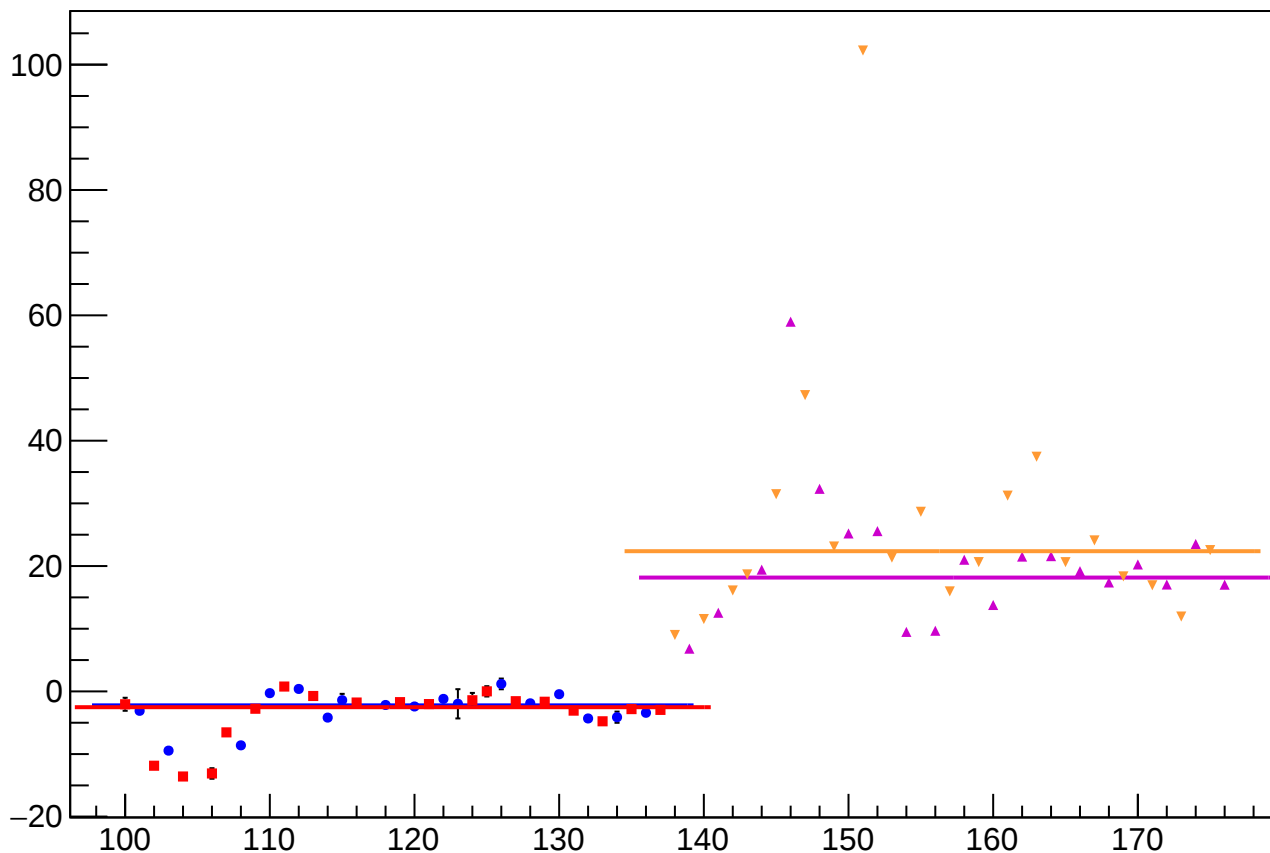
Right: 1.280±/0.042 χ^2/NDF : 1661.2/35

In: 1.321±/0.030 χ^2/NDF : 3616.5/35

Out: 1.445±/0.032 χ^2/NDF : 4778.3/38

All: 1.379±/0.022 χ^2/NDF : 8402.7/74

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: 22.370 ± 0.051 χ^2/NDF : 55677.9/19

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

Left In: 18.162 ± 0.045 χ^2/NDF : 35862.9/18

Left: 20.002 ± 0.034 χ^2/NDF : 95379.4/38

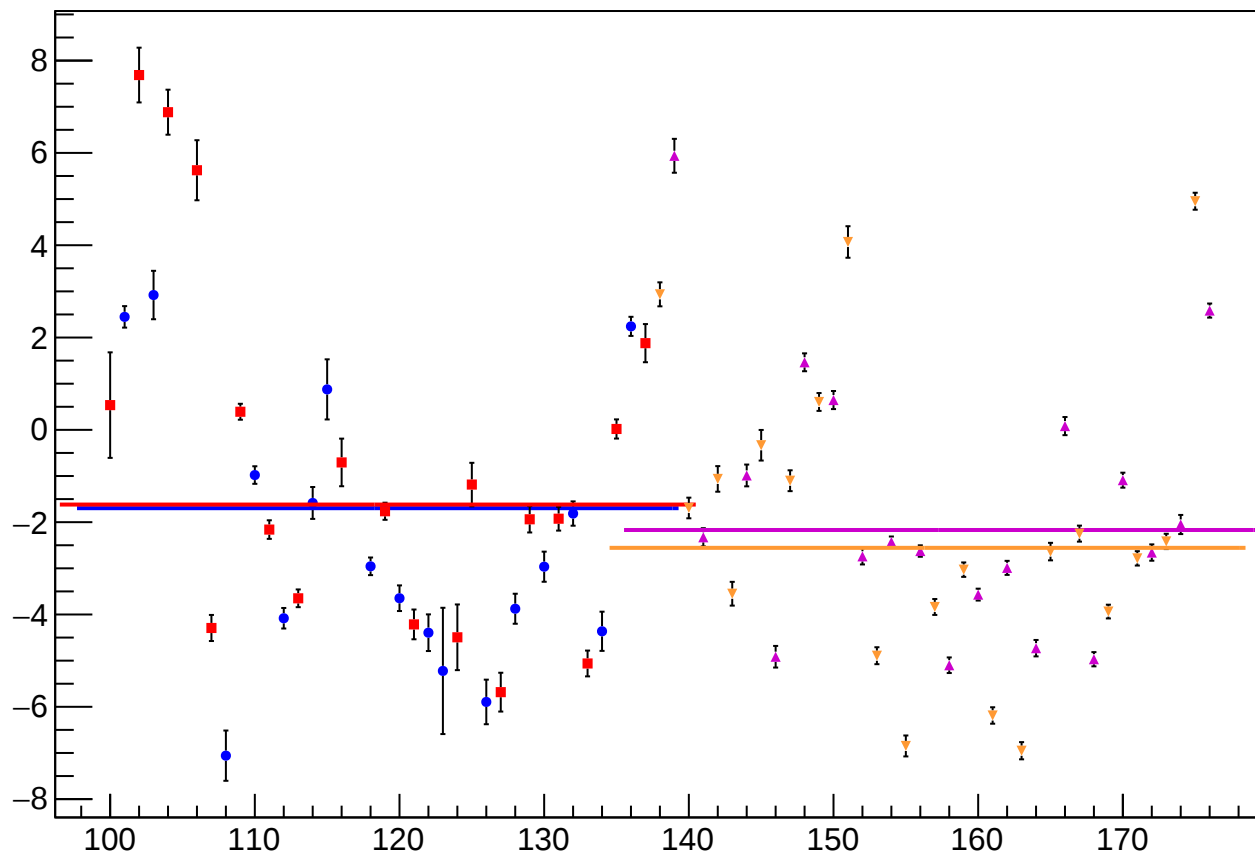
Right: -2.391 ± 0.074 χ^2/NDF : 1368.3/35

In: 15.305 ± 0.042 χ^2/NDF : 65198.6/35

Out: 17.156 ± 0.045 χ^2/NDF : 106571.7/38

All: 16.153 ± 0.031 χ^2/NDF : 172675.4/74

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: -2.556+/-0.044 χ^2/NDF : 4550.2/19

Right Out: -1.618+/-0.066 χ^2/NDF : 1489.2/18

Left In: -2.169+/-0.039 χ^2/NDF : 3374.8/18

Left: -2.340+/-0.029 χ^2/NDF : 7968.8/38

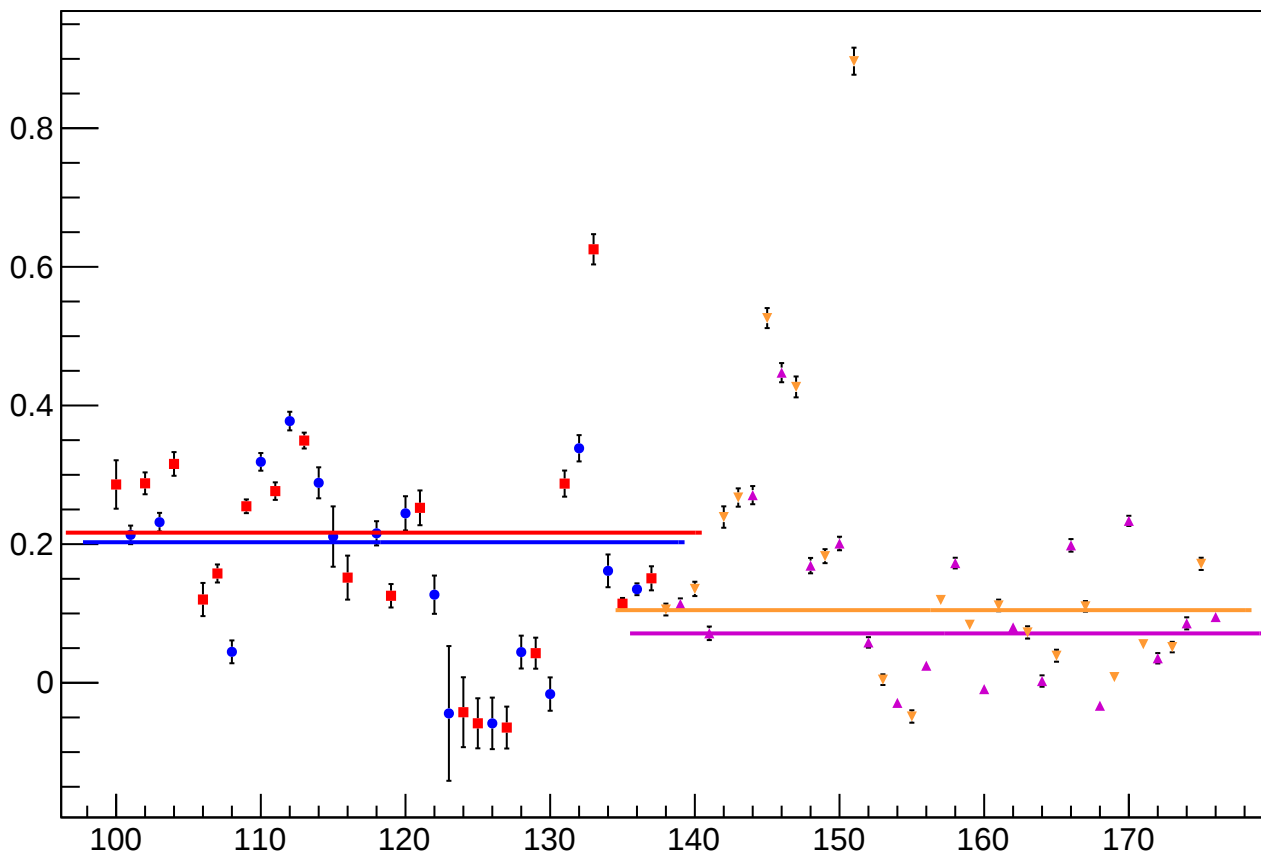
Right: -1.655+/-0.048 χ^2/NDF : 2809.3/35

In: -2.061+/-0.034 χ^2/NDF : 4728.2/35

Out: -2.269+/-0.036 χ^2/NDF : 6180.8/38

All: -2.158+/-0.025 χ^2/NDF : 10926.4/74

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.105 ± 0.002 χ^2/NDF : 4161.3/19

Right Out: 0.217 ± 0.004 χ^2/NDF : 1064.4/18

Left In: 0.071 ± 0.002 χ^2/NDF : 3219.0/18

Left: 0.085 ± 0.001 χ^2/NDF : 7548.8/38

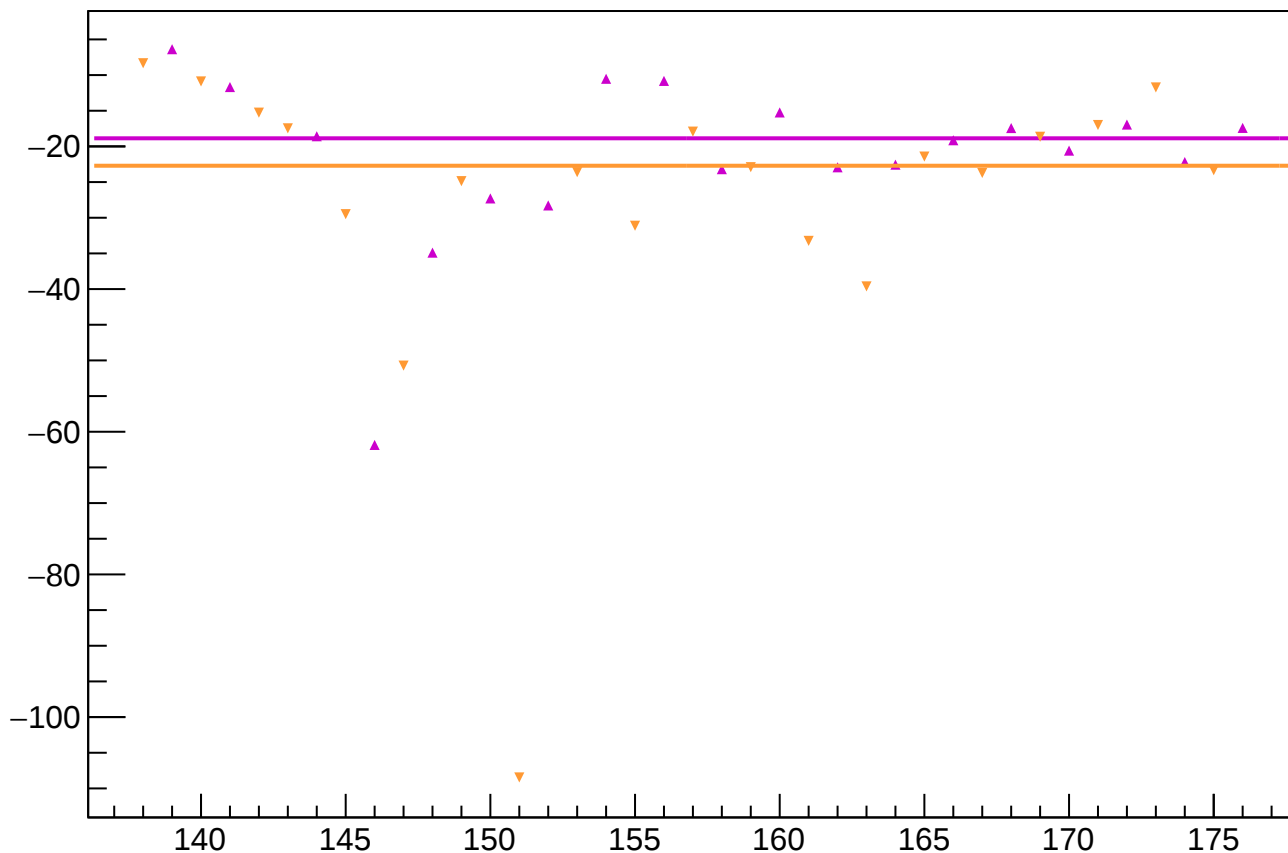
Right: 0.210 ± 0.003 χ^2/NDF : 1747.1/35

In: 0.090 ± 0.002 χ^2/NDF : 4757.5/35

Out: 0.129 ± 0.002 χ^2/NDF : 5938.5/38

All: 0.107 ± 0.001 χ^2/NDF : 10984.2/74

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: -22.708+/-0.051 χ^2/NDF :62305.1/19

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

Left In: -18.863+/-0.046 χ^2/NDF :37520.5/18

Left: -20.568+/-0.034 χ^2/NDF : 102979.7/38

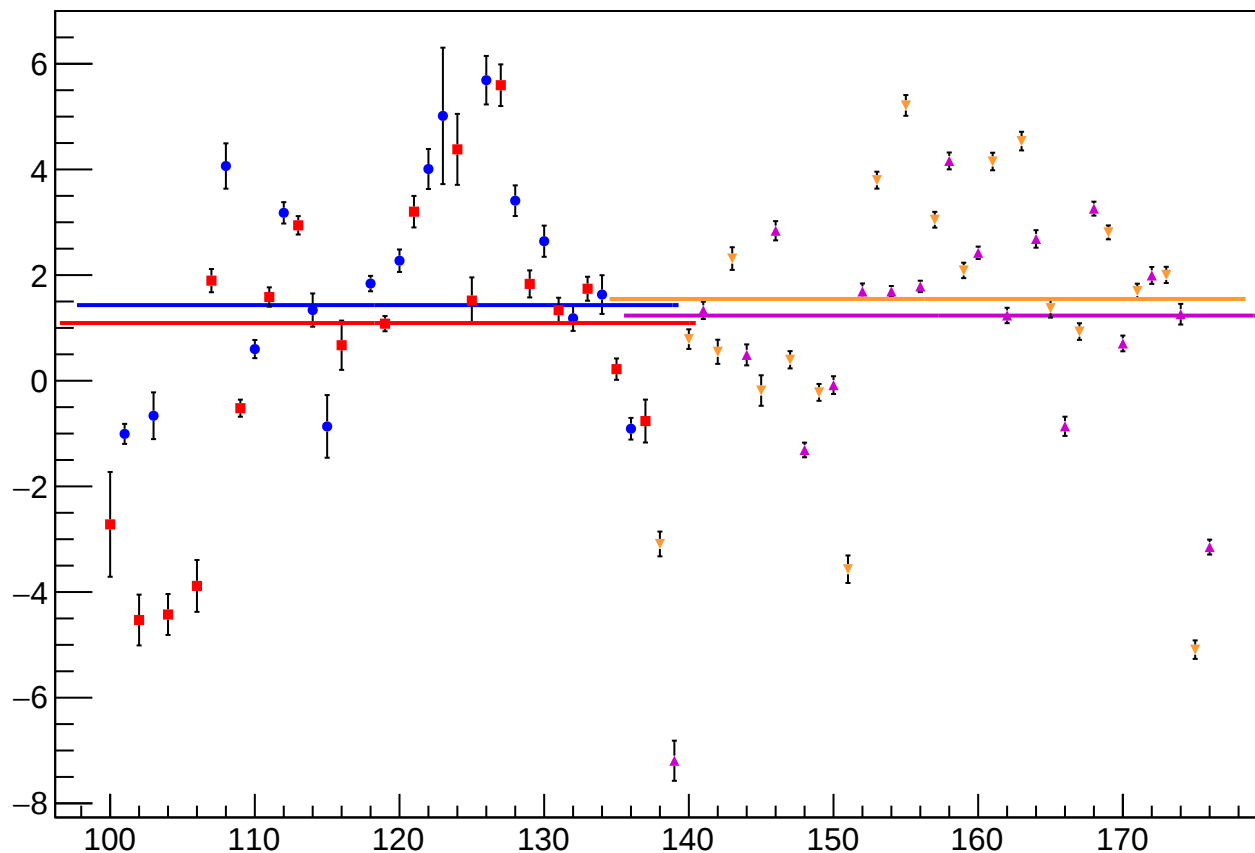
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.863+/-0.046 χ^2/NDF :37520.5/18

Out: -22.708+/-0.051 χ^2/NDF :62305.1/19

All: -20.568+/-0.034 χ^2/NDF : 102979.7/38

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 $\pm$ 0.062 χ^2/NDF : 696.6/16

Left Out: 1.548 $\pm$ 0.039 χ^2/NDF : 3785.3/19

Right Out: 1.092 $\pm$ 0.058 χ^2/NDF : 953.2/18

Left In: 1.233 $\pm$ 0.034 χ^2/NDF : 2913.6/18

Left: 1.372 $\pm$ 0.026 χ^2/NDF : 6736.1/38

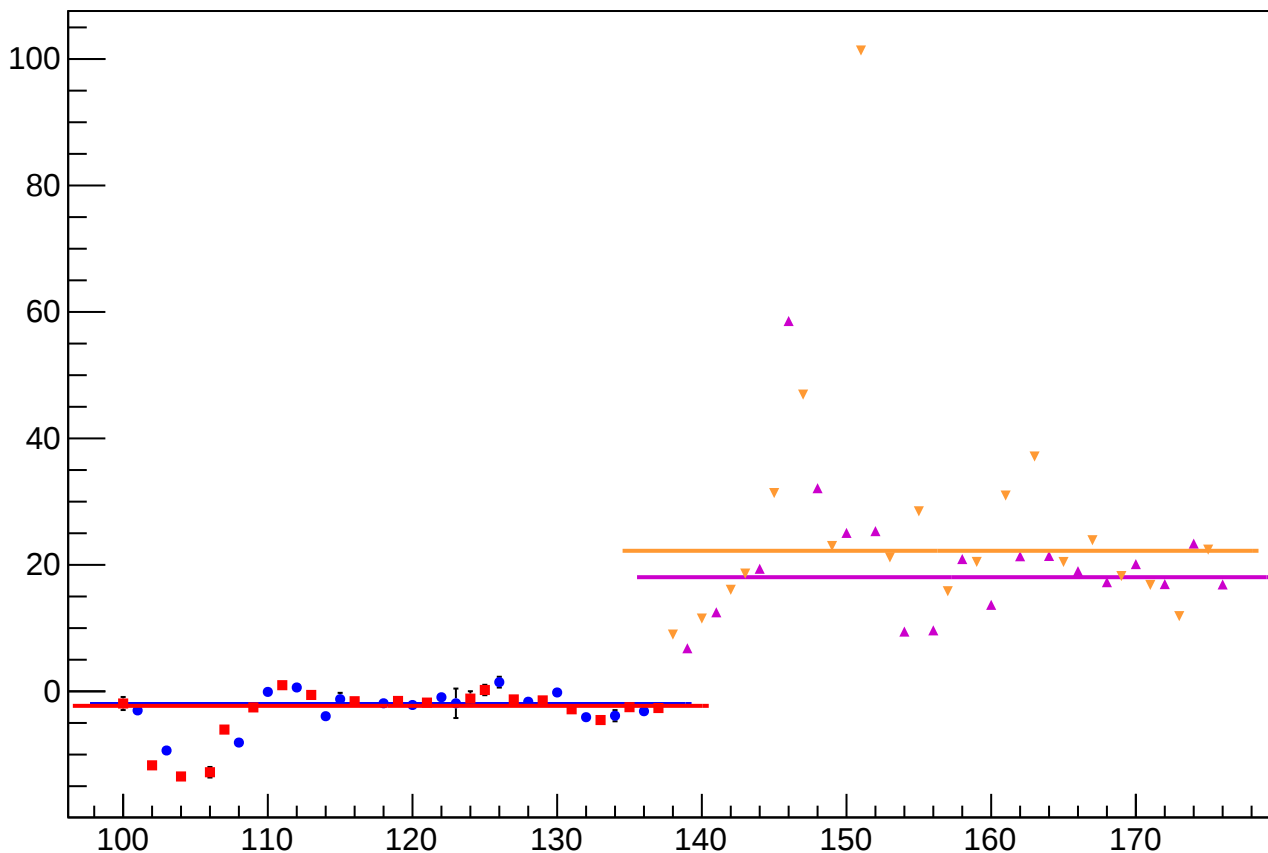
Right: 1.251 $\pm$ 0.042 χ^2/NDF : 1665.8/35

In: 1.280 $\pm$ 0.030 χ^2/NDF : 3618.1/35

Out: 1.408 $\pm$ 0.032 χ^2/NDF : 4781.4/38

All: 1.340 $\pm$ 0.022 χ^2/NDF : 8407.9/74

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: 22.227+/-0.051 χ^2/NDF :55530.9/19

Right Out: -2.295+/-0.098 χ^2/NDF : 907.2/18

Left In: 18.053+/-0.045 χ^2/NDF :35784.8/18

Left: 19.879+/-0.033 χ^2/NDF : 95143.6/38

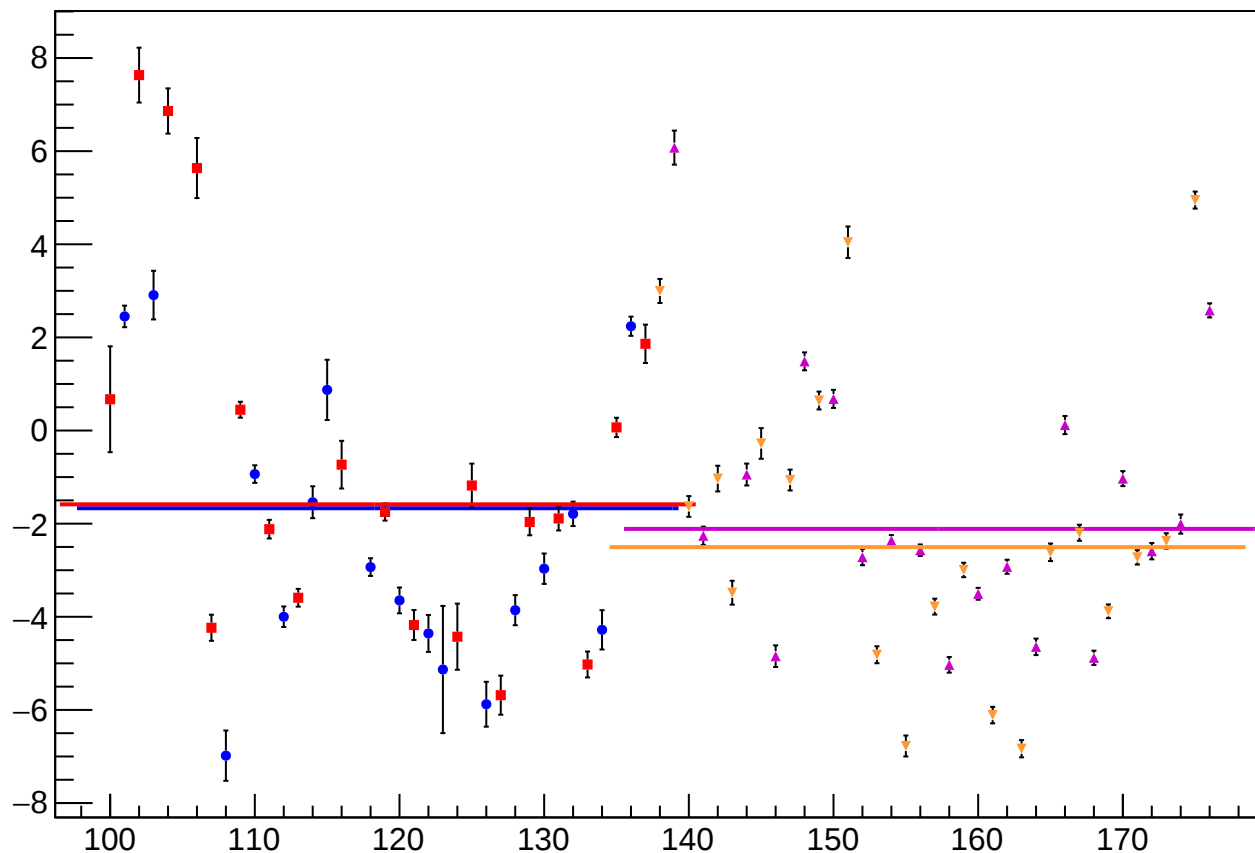
Right: -2.167+/-0.074 χ^2/NDF : 1374.2/35

In: 15.250+/-0.041 χ^2/NDF :64480.3/35

Out: 17.101+/-0.045 χ^2/NDF :105504.8/38

All: 16.098+/-0.030 χ^2/NDF : 170902.2/74

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



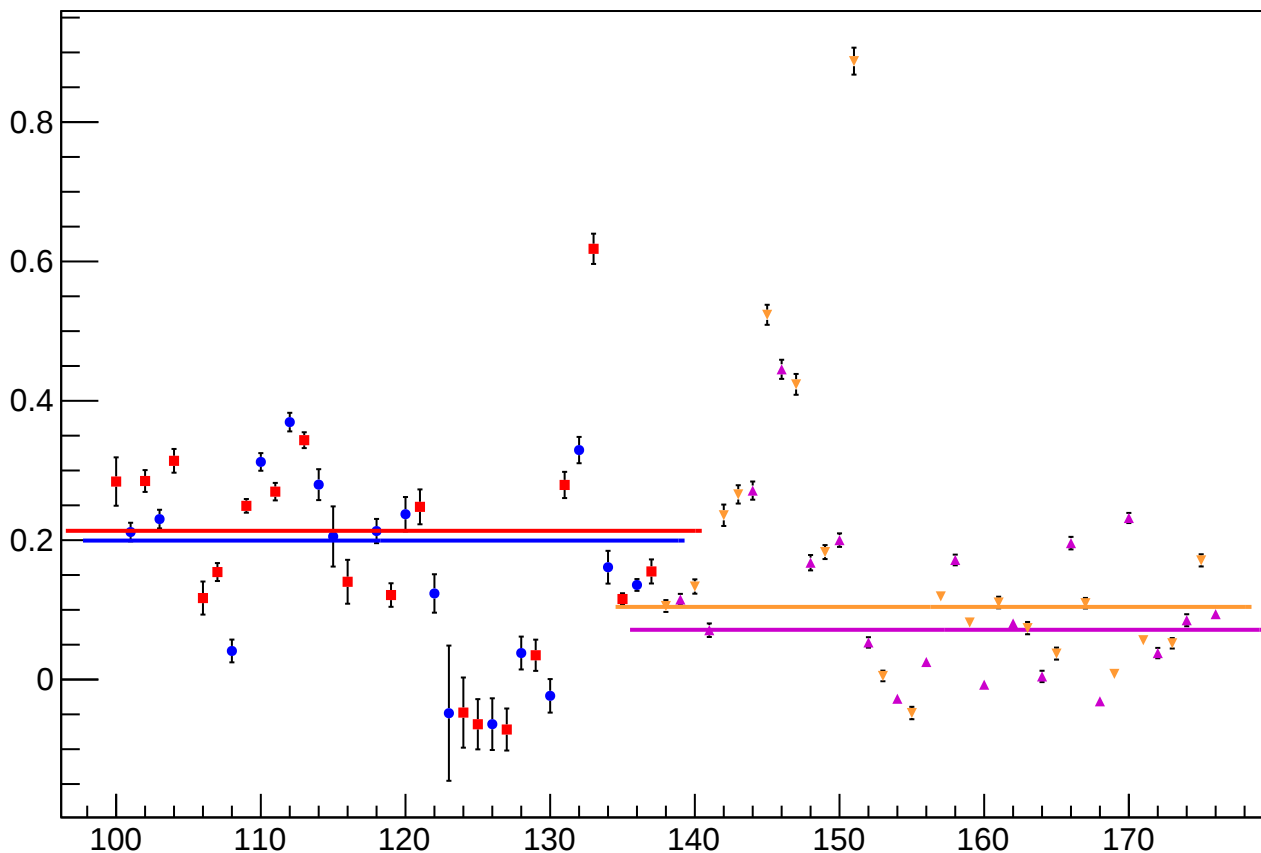
Right In: -1.669+/-0.071 χ^2/NDF : 1314.9/16
 Left Out: -2.504+/-0.043 χ^2/NDF : 4547.4/19
 Right Out: -1.585+/-0.065 χ^2/NDF : 1494.7/18
 Left In: -2.112+/-0.039 χ^2/NDF : 3375.7/18

Left: -2.285+/-0.029 χ^2/NDF : 7968.7/38
 Right: -1.624+/-0.048 χ^2/NDF : 2810.4/35

In: -2.011+/-0.034 χ^2/NDF : 4720.8/35
 Out: -2.223+/-0.036 χ^2/NDF : 6179.3/38

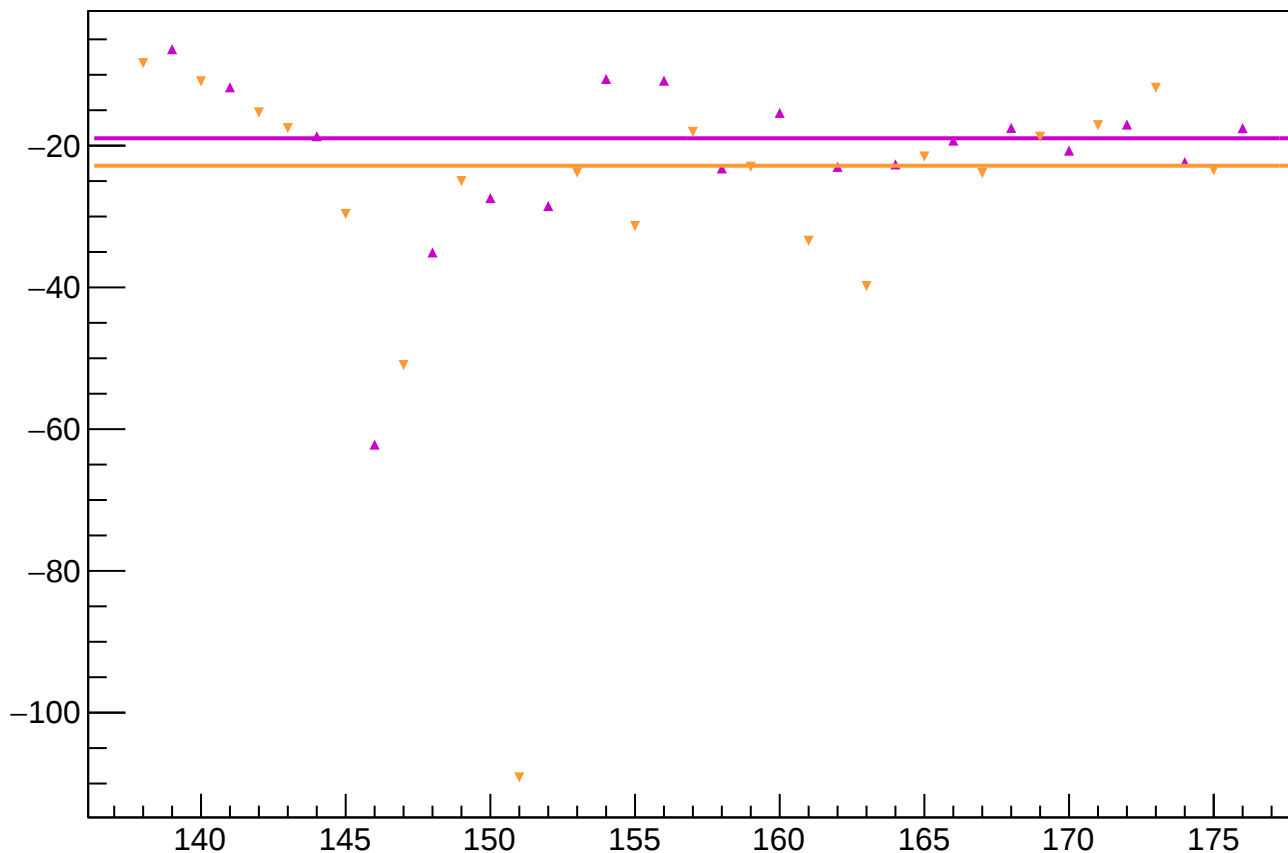
All: -2.110+/-0.025 χ^2/NDF : 10918.6/74

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.085 $\pm$ 0.001 χ^2 /NDF: 7508.4/38
 Right: 0.207 $\pm$ 0.003 χ^2 /NDF: 1716.7/35
 In: 0.089 $\pm$ 0.002 χ^2 /NDF: 4678.8/35
 Out: 0.128 $\pm$ 0.002 χ^2 /NDF: 5888.7/38
 All: 0.107 $\pm$ 0.001 χ^2 /NDF: 10847.7/74

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.833+/-0.051 χ^2/NDF : 62418.8/19

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

Left In: -18.959+/-0.046 χ^2/NDF : 37588.3/18

Left: -20.677+/-0.034 χ^2/NDF : 103182.3/38

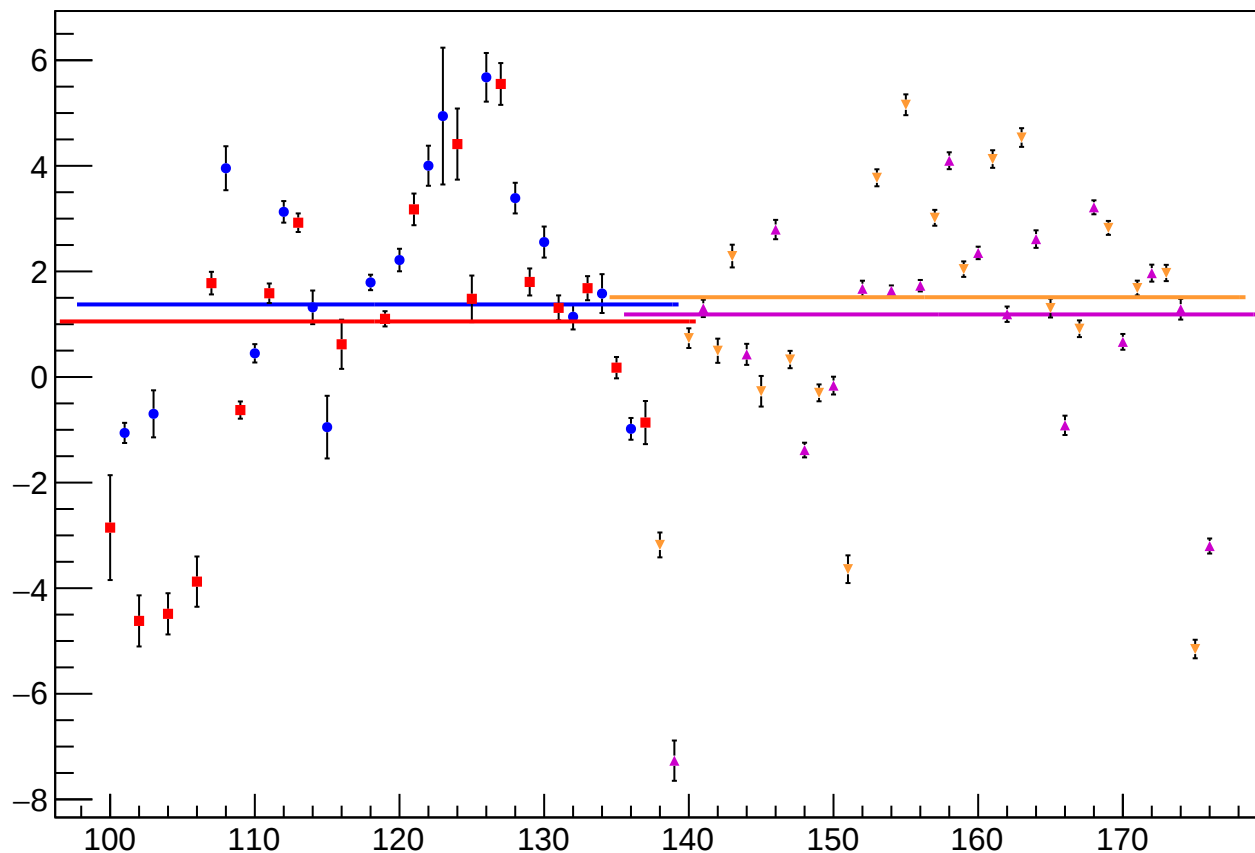
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.959+/-0.046 χ^2/NDF : 37588.3/18

Out: -22.833+/-0.051 χ^2/NDF : 62418.8/19

All: -20.677+/-0.034 χ^2/NDF : 103182.3/38

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: 1.511 $\pm$ 0.039 χ^2 /NDF:3805.0/19

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 964.0/18

Left In: 1.185 $\pm$ 0.034 χ^2 /NDF:2893.8/18

Left: 1.329 $\pm$ 0.026 χ^2 /NDF: 6738.5/38

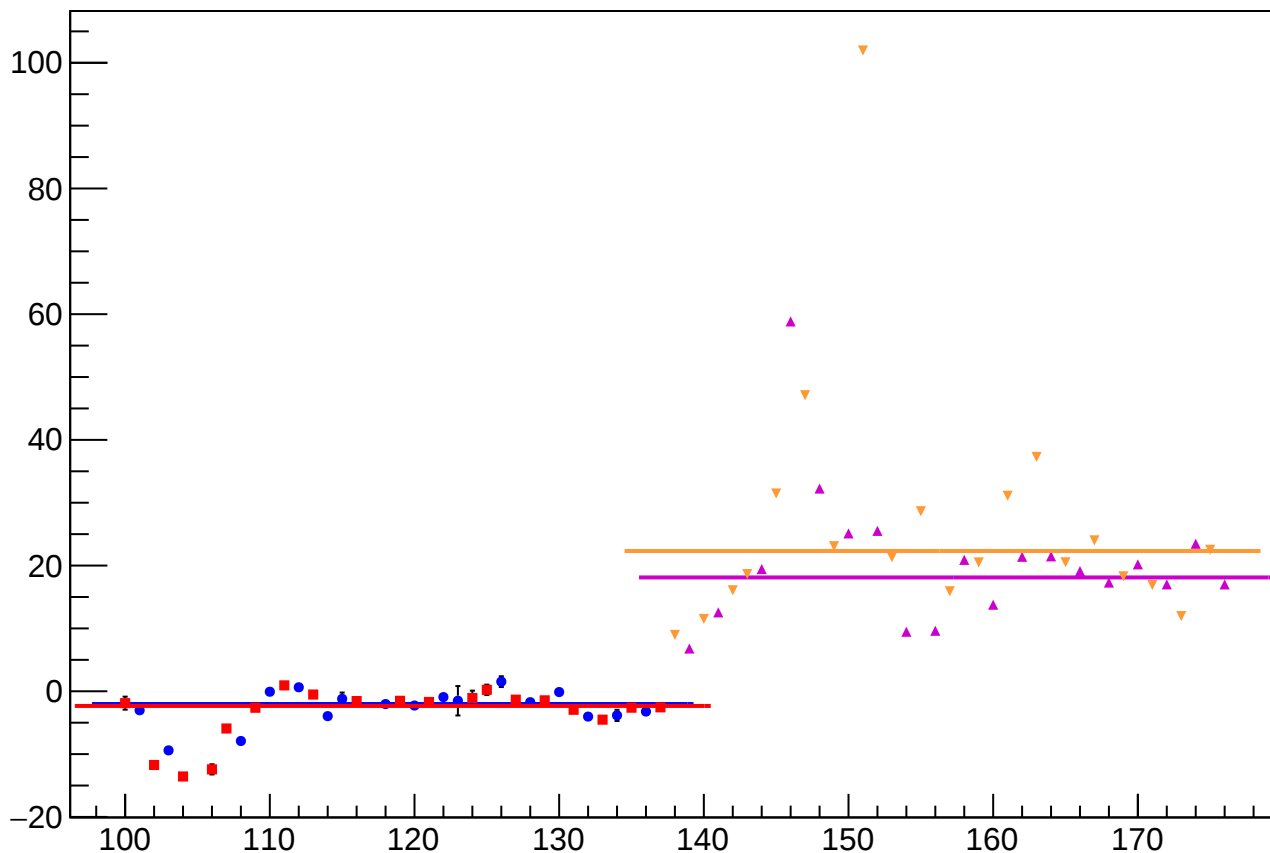
Right: 1.203 $\pm$ 0.042 χ^2 /NDF: 1680.9/35

In: 1.230 $\pm$ 0.030 χ^2 /NDF:3603.4/35

Out: 1.370 $\pm$ 0.032 χ^2 /NDF:4812.3/38

All: 1.295 $\pm$ 0.022 χ^2 /NDF: 8425.8/74

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 22.318 ± 0.051 χ^2/NDF : 55628.6/19

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

Left In: 18.110 ± 0.045 χ^2/NDF : 35864.8/18

Left: 19.950 ± 0.034 χ^2/NDF : 95349.8/38

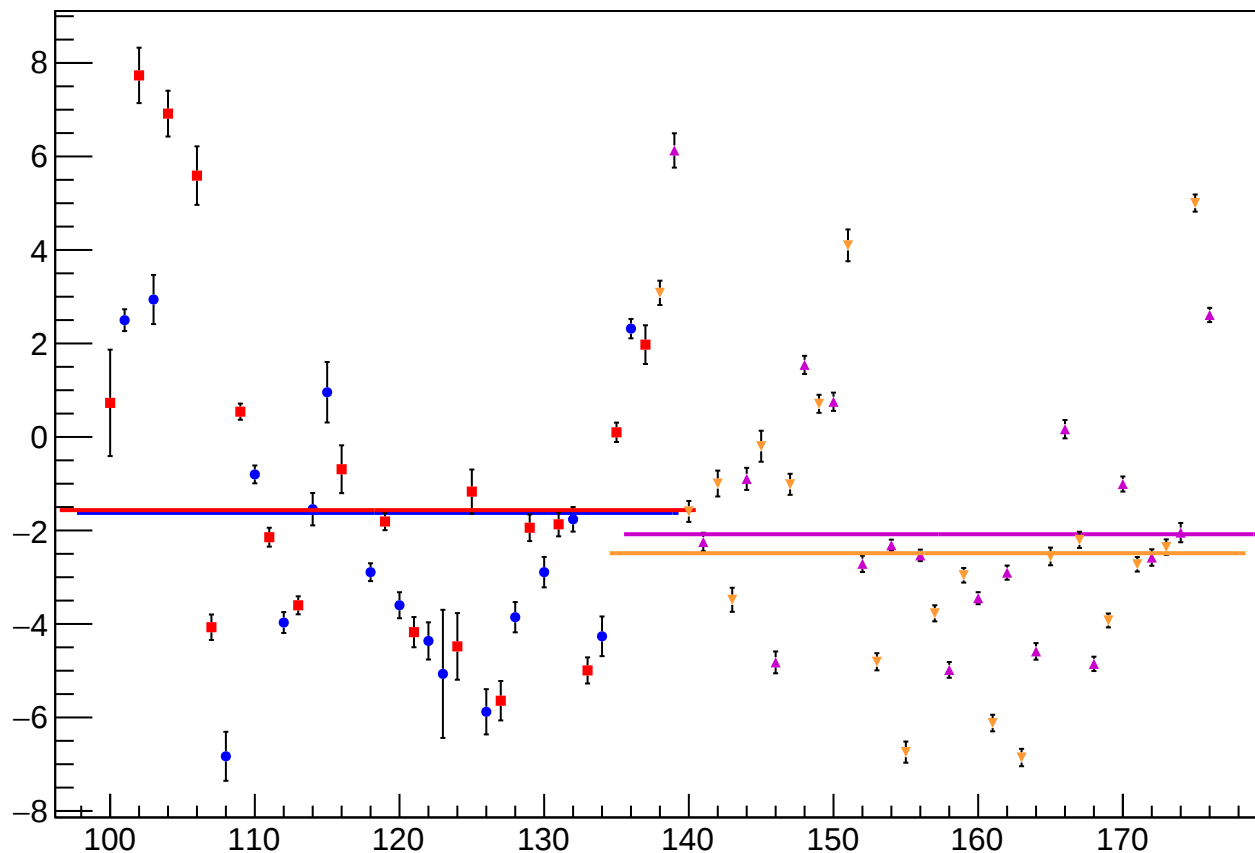
Right: -2.202 ± 0.074 χ^2/NDF : 1369.3/35

In: 15.302 ± 0.042 χ^2/NDF : 64507.6/35

Out: 17.170 ± 0.045 χ^2/NDF : 105656.4/38

All: 16.158 ± 0.031 χ^2/NDF : 171089.0/74

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: -2.487+/-0.044 χ^2/NDF : 4576.0/19

Right Out: -1.565+/-0.066 χ^2/NDF : 1505.8/18

Left In: -2.081+/-0.039 χ^2/NDF : 3351.0/18

Left: -2.260+/-0.029 χ^2/NDF : 7975.4/38

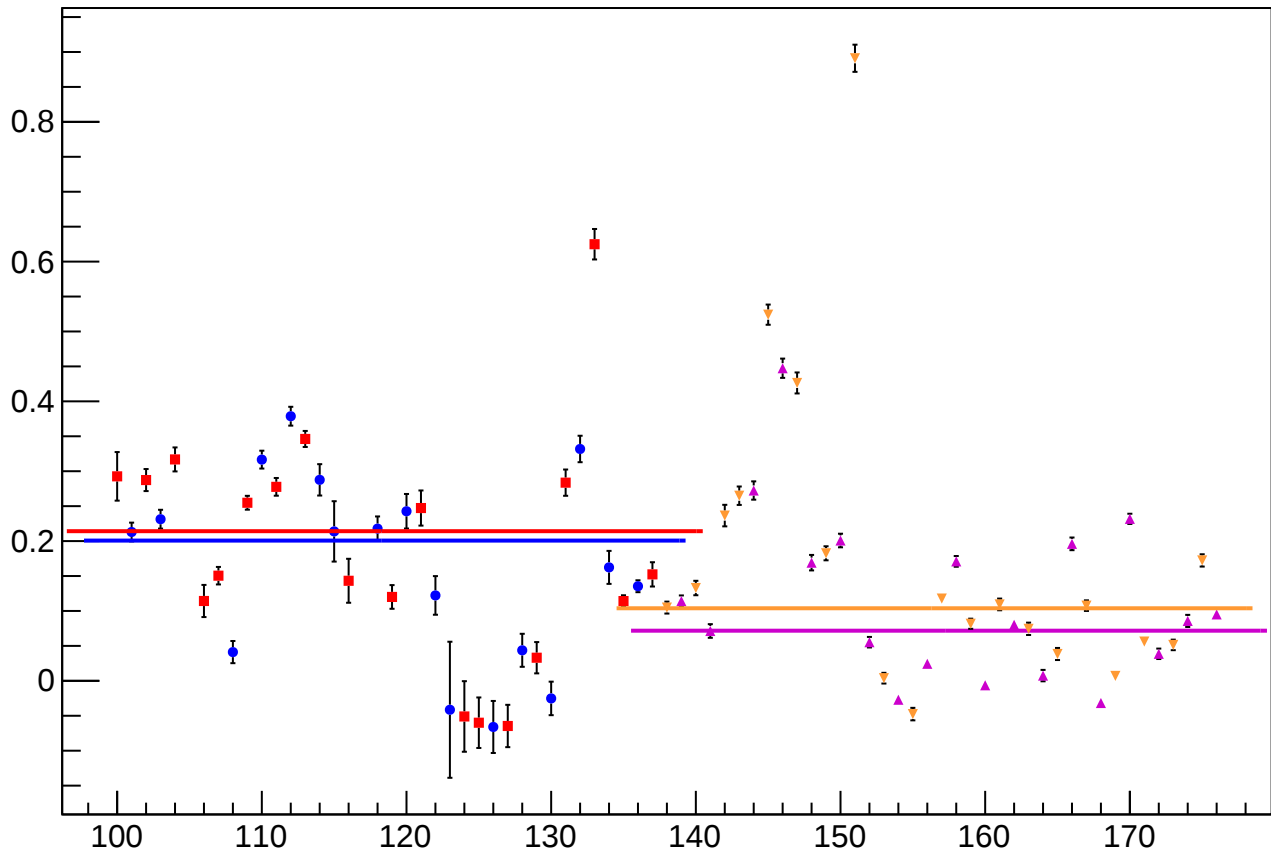
Right: -1.592+/-0.048 χ^2/NDF : 2826.9/35

In: -1.976+/-0.034 χ^2/NDF : 4703.4/35

Out: -2.204+/-0.036 χ^2/NDF : 6218.8/38

All: -2.083+/-0.025 χ^2/NDF : 10943.2/74

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 690.6/16

Left Out: 0.104 $\pm$ 0.002 χ^2 /NDF: 4143.3/19

Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1080.4/18

Left In: 0.072 $\pm$ 0.002 χ^2 /NDF: 3171.0/18

Left: 0.085 $\pm$ 0.001 χ^2 /NDF: 7469.1/38

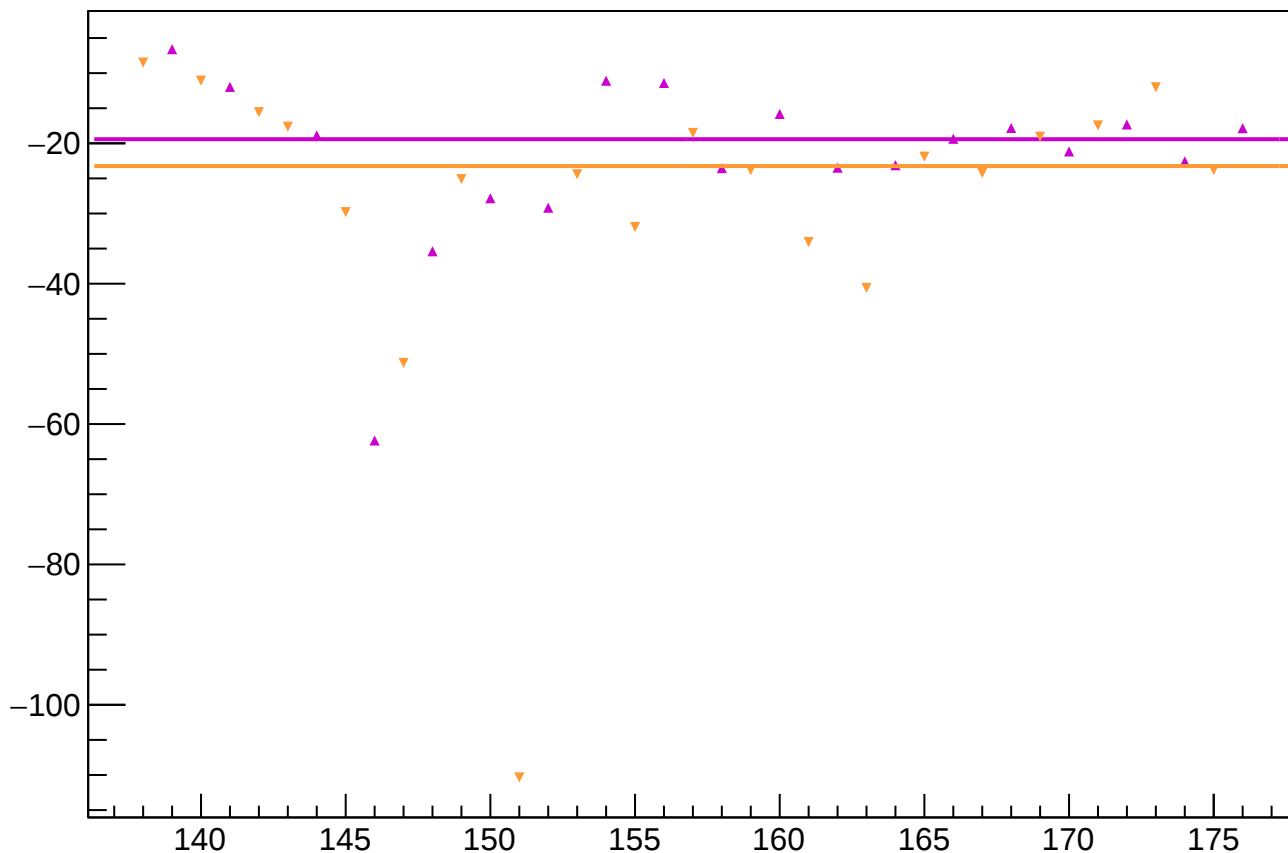
Right: 0.208 $\pm$ 0.003 χ^2 /NDF: 1776.9/35

In: 0.090 $\pm$ 0.002 χ^2 /NDF: 4692.7/35

Out: 0.128 $\pm$ 0.002 χ^2 /NDF: 5922.0/38

All: 0.107 $\pm$ 0.001 χ^2 /NDF: 10884.8/74

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



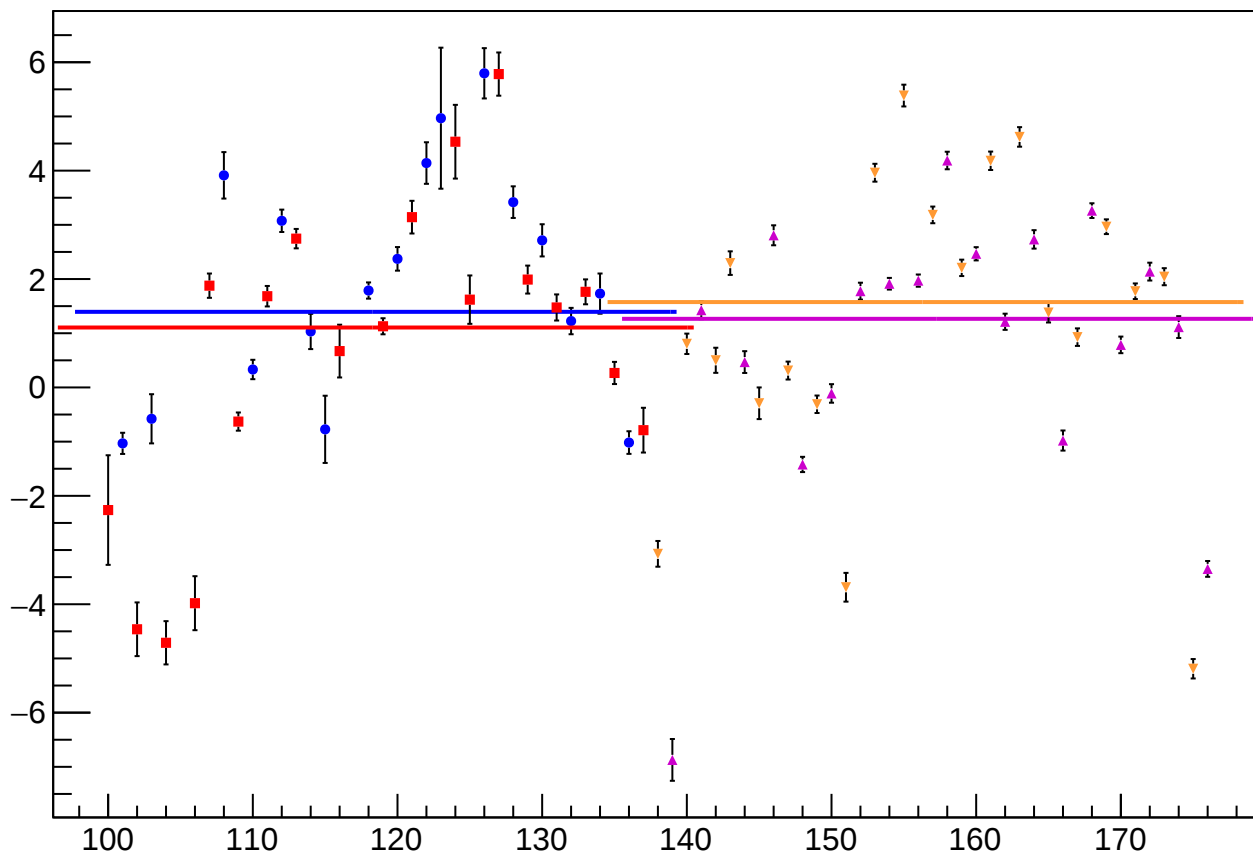
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.239+/-0.052 χ^2/NDF :62270.9/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -19.416+/-0.047 χ^2/NDF :36437.1/18

Left: -21.119+/-0.035 χ^2/NDF : 101672.0/38
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.416+/-0.047 χ^2/NDF :36437.1/18
 Out: -23.239+/-0.052 χ^2/NDF :62270.9/19

All: -21.119+/-0.035 χ^2/NDF : 101672.0/38

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: 1.575 $\pm$ 0.039 χ^2 /NDF:3835.4/19

Right Out: 1.106 $\pm$ 0.059 χ^2 /NDF: 937.0/18

Left In: 1.266 $\pm$ 0.035 χ^2 /NDF:2944.7/18

Left: 1.403 $\pm$ 0.026 χ^2 /NDF: 6814.3/38

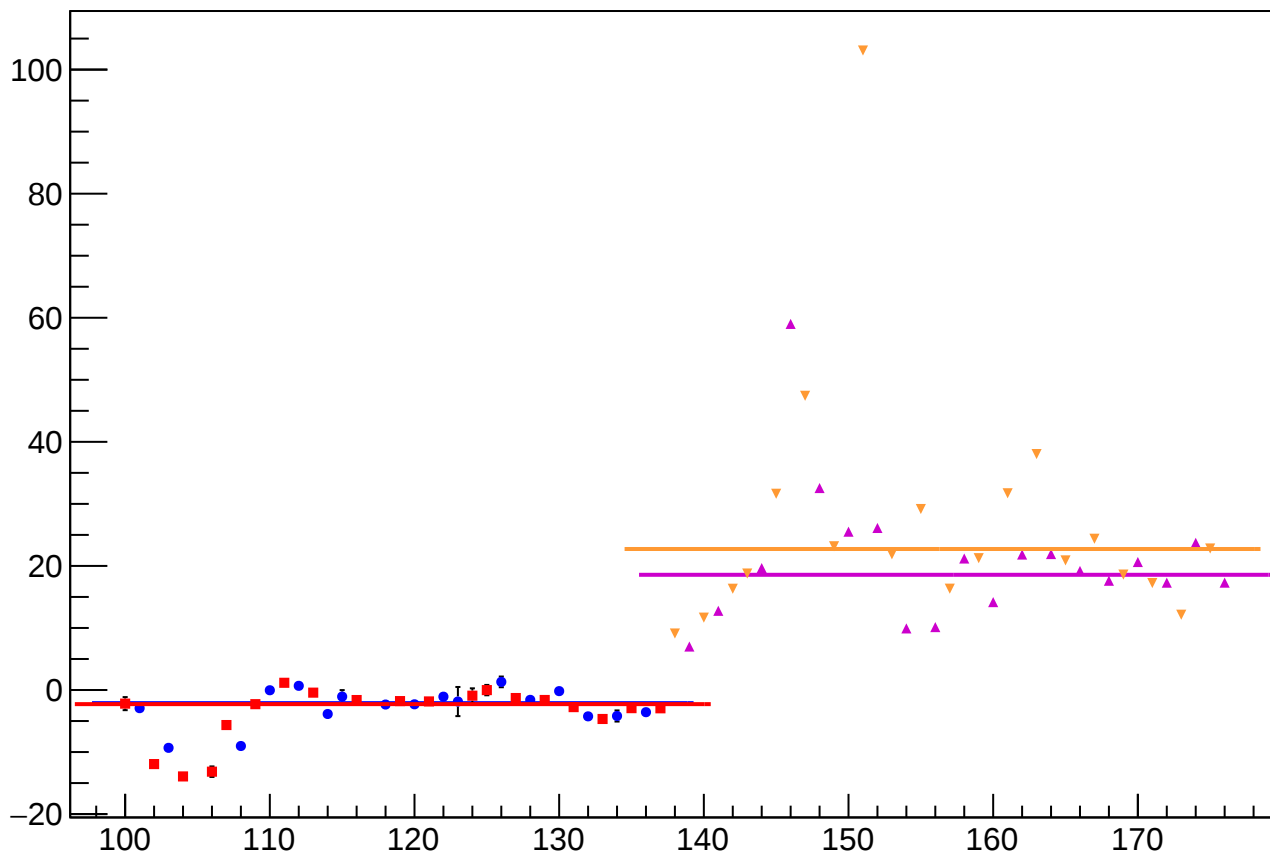
Right: 1.241 $\pm$ 0.043 χ^2 /NDF: 1649.6/35

In: 1.297 $\pm$ 0.031 χ^2 /NDF:3649.3/35

Out: 1.431 $\pm$ 0.033 χ^2 /NDF:4815.9/38

All: 1.359 $\pm$ 0.022 χ^2 /NDF: 8474.1/74

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 22.729 ± 0.052 χ^2/NDF : 55374.0/19

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

Left In: 18.570 ± 0.046 χ^2/NDF : 34560.4/18

Left: 20.397 ± 0.034 χ^2/NDF : 93542.0/38

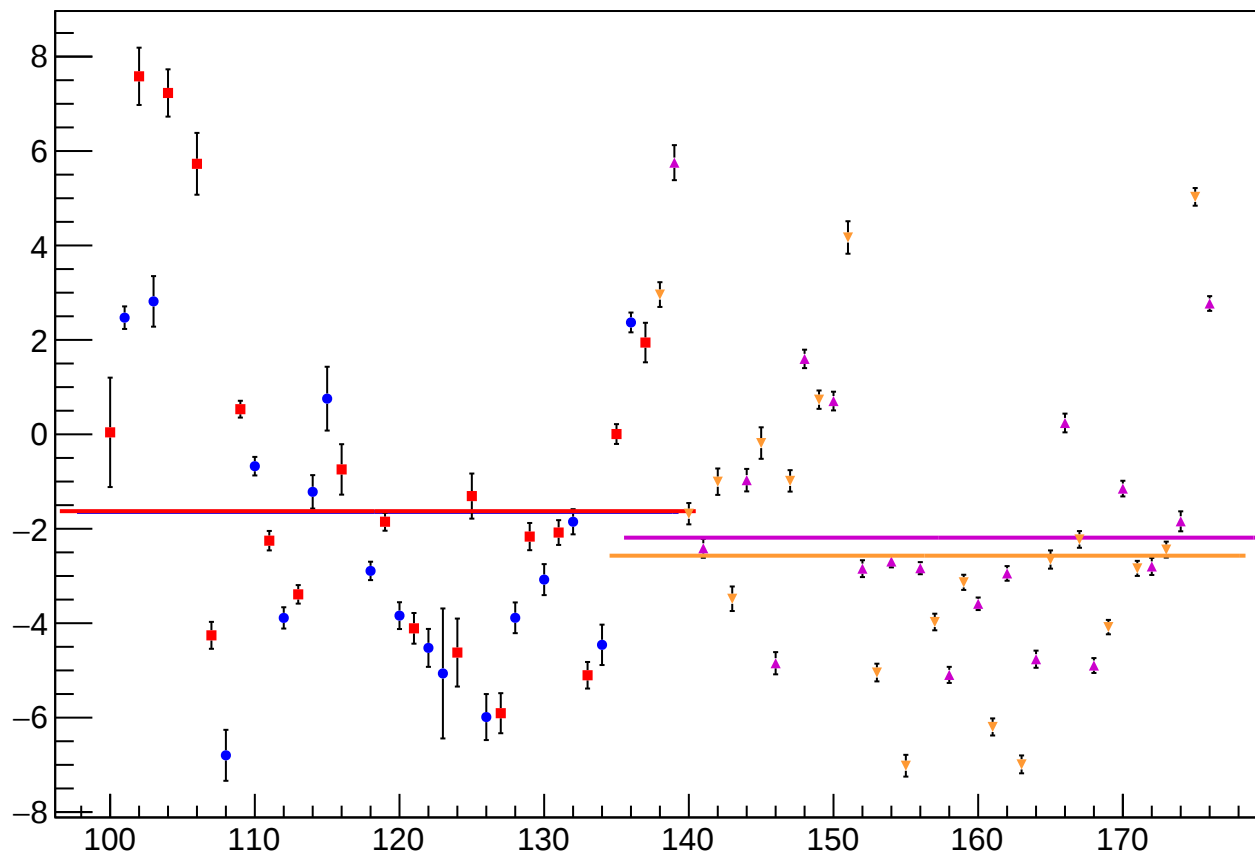
Right: -2.207 ± 0.075 χ^2/NDF : 1406.8/35

In: 15.653 ± 0.043 χ^2/NDF : 63689.0/35

Out: 17.517 ± 0.046 χ^2/NDF : 104777.8/38

All: 16.510 ± 0.031 χ^2/NDF : 169349.6/74

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643+/-0.072 χ^2/NDF : 1310.1/16

Left Out: -2.570+/-0.044 χ^2/NDF : 4599.0/19

Right Out: -1.627+/-0.067 χ^2/NDF : 1468.1/18

Left In: -2.188+/-0.040 χ^2/NDF : 3391.3/18

Left: -2.358+/-0.030 χ^2/NDF : 8031.4/38

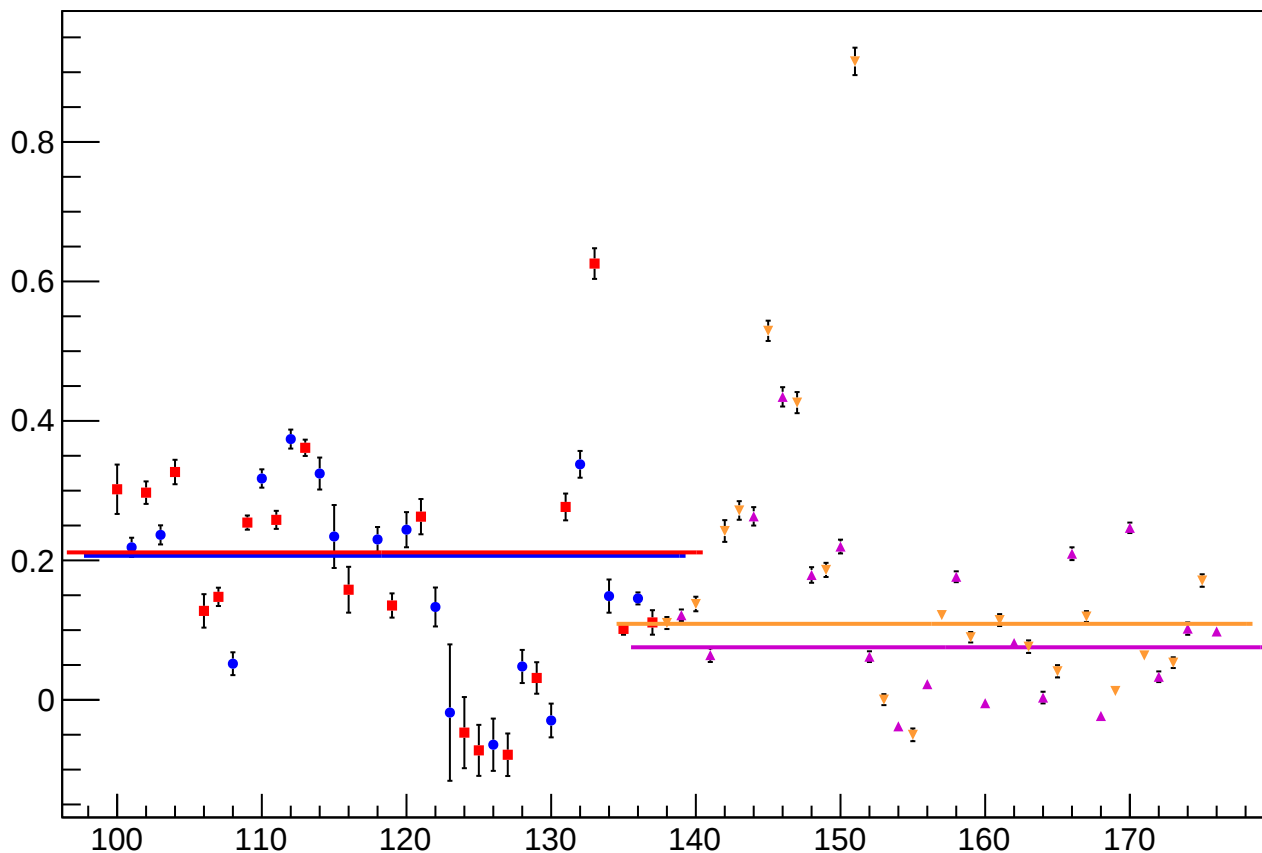
Right: -1.635+/-0.049 χ^2/NDF : 2778.2/35

In: -2.062+/-0.035 χ^2/NDF : 4745.0/35

Out: -2.281+/-0.037 χ^2/NDF : 6204.8/38

All: -2.165+/-0.025 χ^2/NDF : 10968.5/74

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: 0.109 $\pm$ 0.002 χ^2/NDF :4159.9/19

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

Left In: 0.075 $\pm$ 0.002 χ^2/NDF :3269.4/18

Left: 0.090 $\pm$ 0.001 χ^2/NDF : 7591.9/38

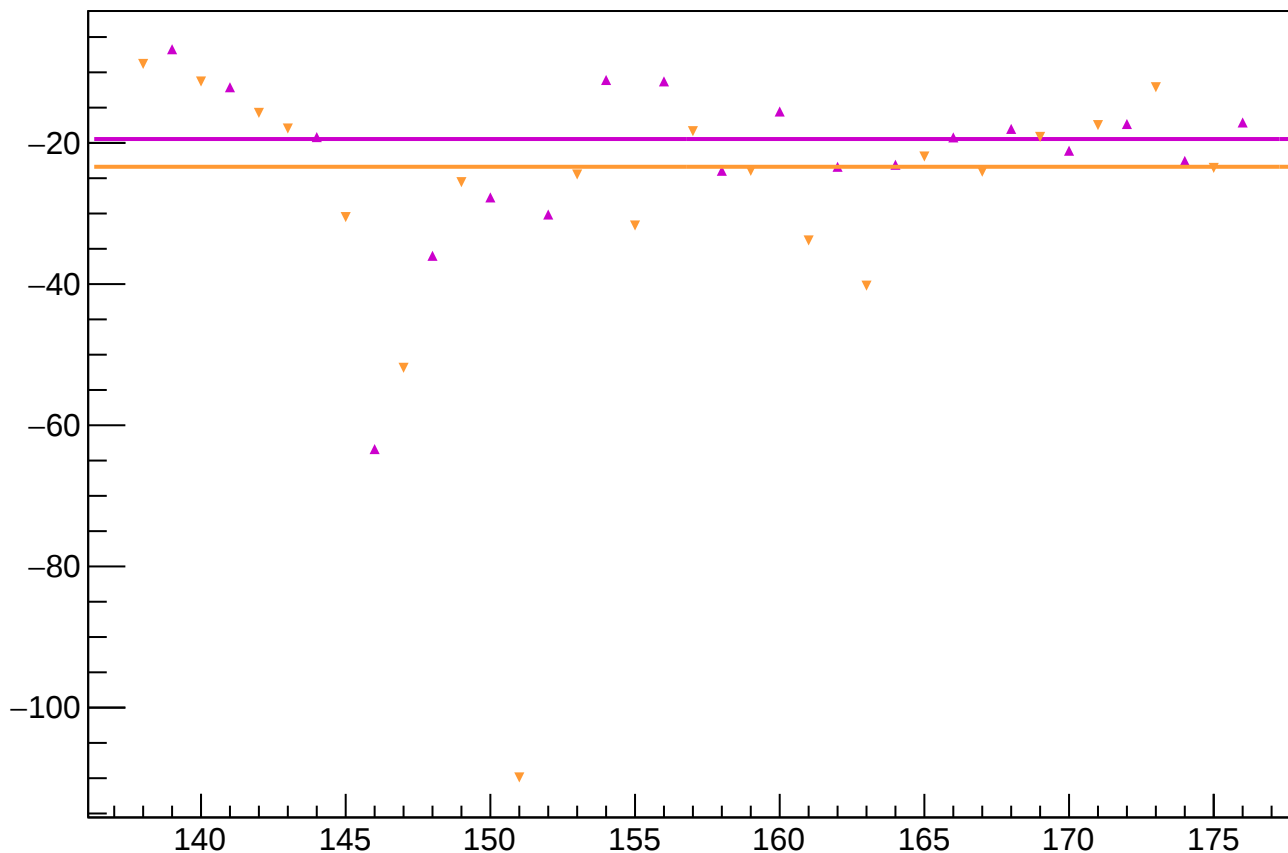
Right: 0.209 $\pm$ 0.003 χ^2/NDF : 1801.3/35

In: 0.094 $\pm$ 0.002 χ^2/NDF :4753.0/35

Out: 0.132 $\pm$ 0.002 χ^2/NDF :5883.2/38

All: 0.111 $\pm$ 0.001 χ^2/NDF : 10884.2/74

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: -23.379+/-0.053 χ^2/NDF :61034.7/19

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

Left In: -19.447+/-0.047 χ^2/NDF :36868.9/18

Left: -21.197+/-0.035 χ^2/NDF : 100983.3/38

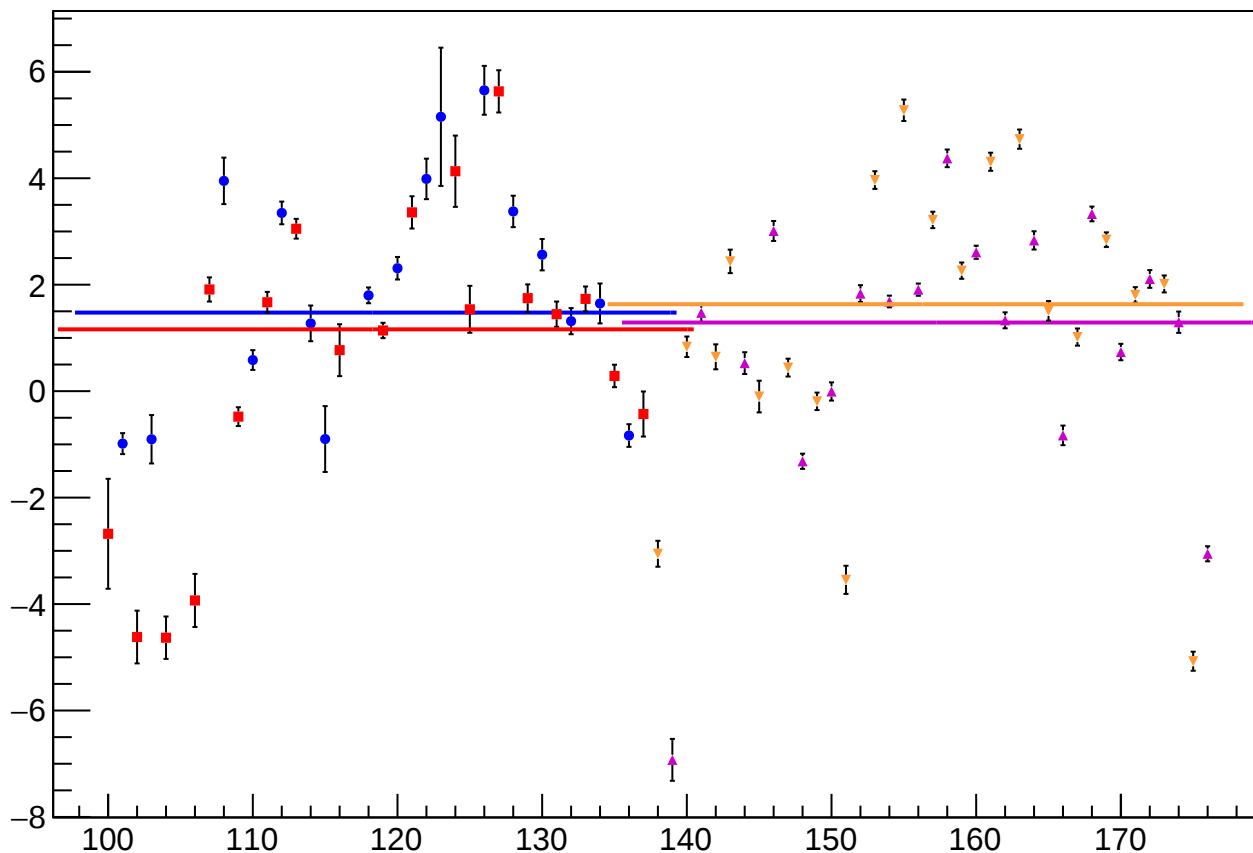
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.447+/-0.047 χ^2/NDF :36868.9/18

Out: -23.379+/-0.053 χ^2/NDF :61034.7/19

All: -21.197+/-0.035 χ^2/NDF : 100983.3/38

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 $\pm$ 0.064 χ^2 /NDF: 659.7/16

Left Out: 1.633 $\pm$ 0.040 χ^2 /NDF: 3701.8/19

Right Out: 1.161 $\pm$ 0.060 χ^2 /NDF: 917.9/18

Left In: 1.289 $\pm$ 0.036 χ^2 /NDF: 2848.1/18

Left: 1.442 $\pm$ 0.027 χ^2 /NDF: 6591.3/38

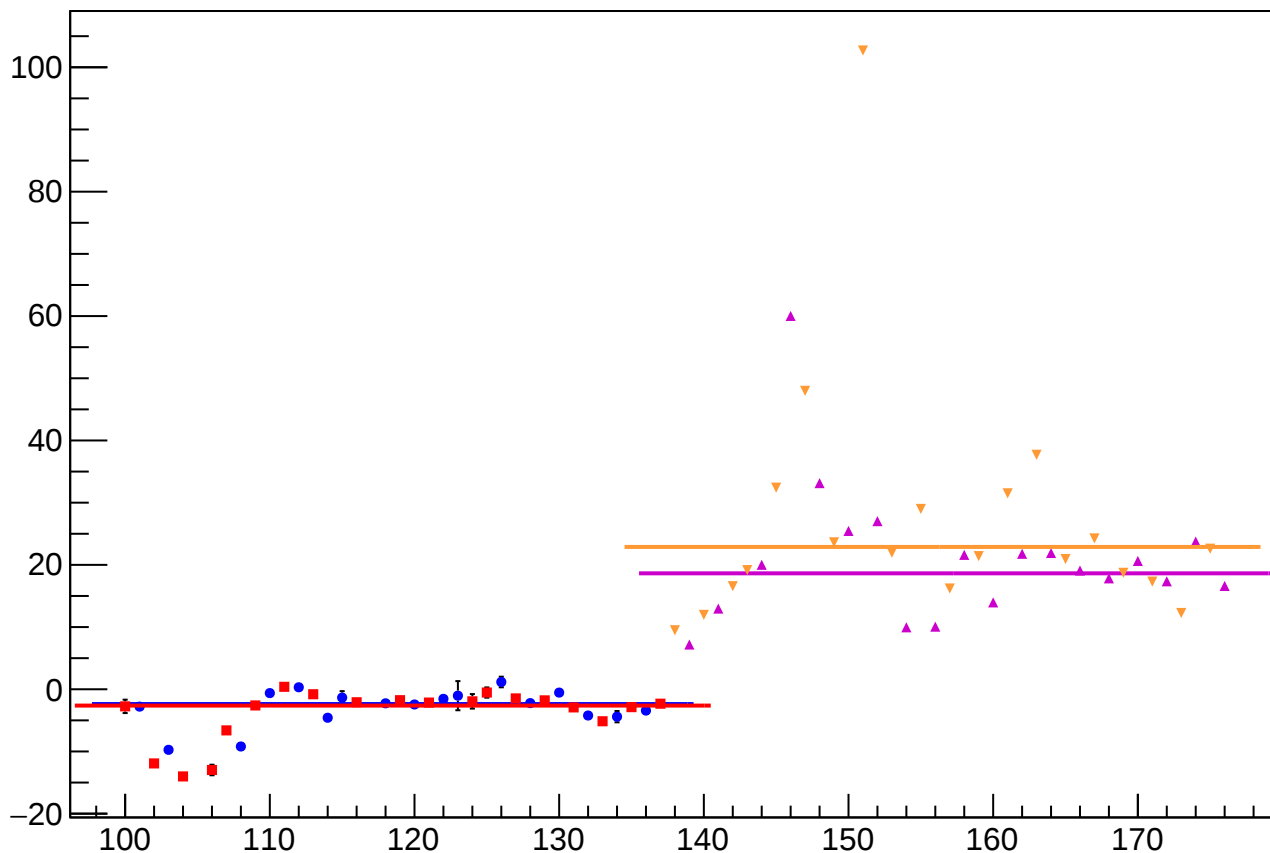
Right: 1.309 $\pm$ 0.044 χ^2 /NDF: 1590.5/35

In: 1.334 $\pm$ 0.031 χ^2 /NDF: 3514.3/35

Out: 1.488 $\pm$ 0.033 χ^2 /NDF: 4662.7/38

All: 1.406 $\pm$ 0.023 χ^2 /NDF: 8188.6/74

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 22.884 ± 0.052 χ^2/NDF : 54387.6/19

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

Left In: 18.641 ± 0.046 χ^2/NDF : 34976.4/18

Left: 20.505 ± 0.035 χ^2/NDF : 93054.1/38

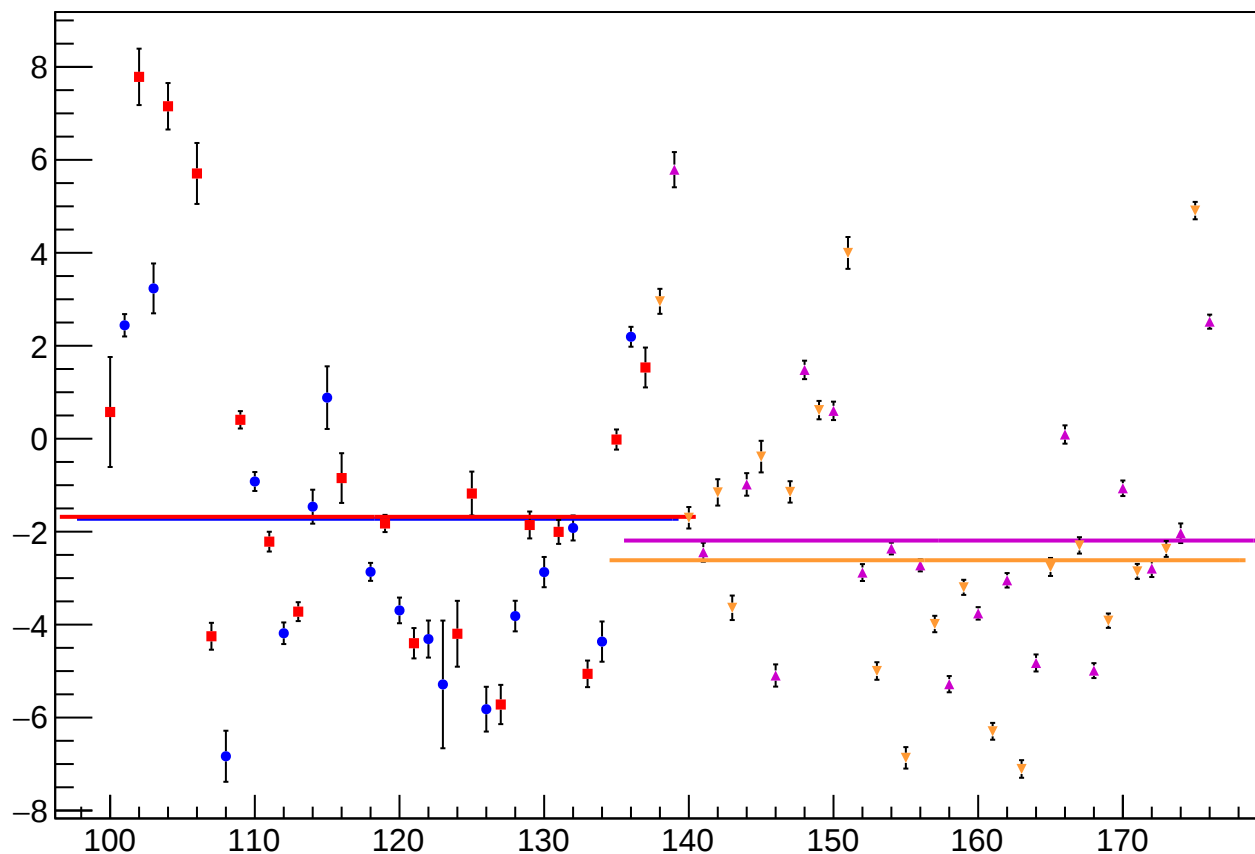
Right: -2.514 ± 0.077 χ^2/NDF : 1282.5/35

In: 15.710 ± 0.043 χ^2/NDF : 64153.5/35

Out: 17.676 ± 0.047 χ^2/NDF : 103788.7/38

All: 16.612 ± 0.032 χ^2/NDF : 168903.1/74

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: -2.615+/-0.045 χ^2/NDF : 4448.6/19

Right Out: -1.681+/-0.068 χ^2/NDF : 1431.0/18

Left In: -2.191+/-0.040 χ^2/NDF : 3339.0/18

Left: -2.379+/-0.030 χ^2/NDF : 7837.3/38

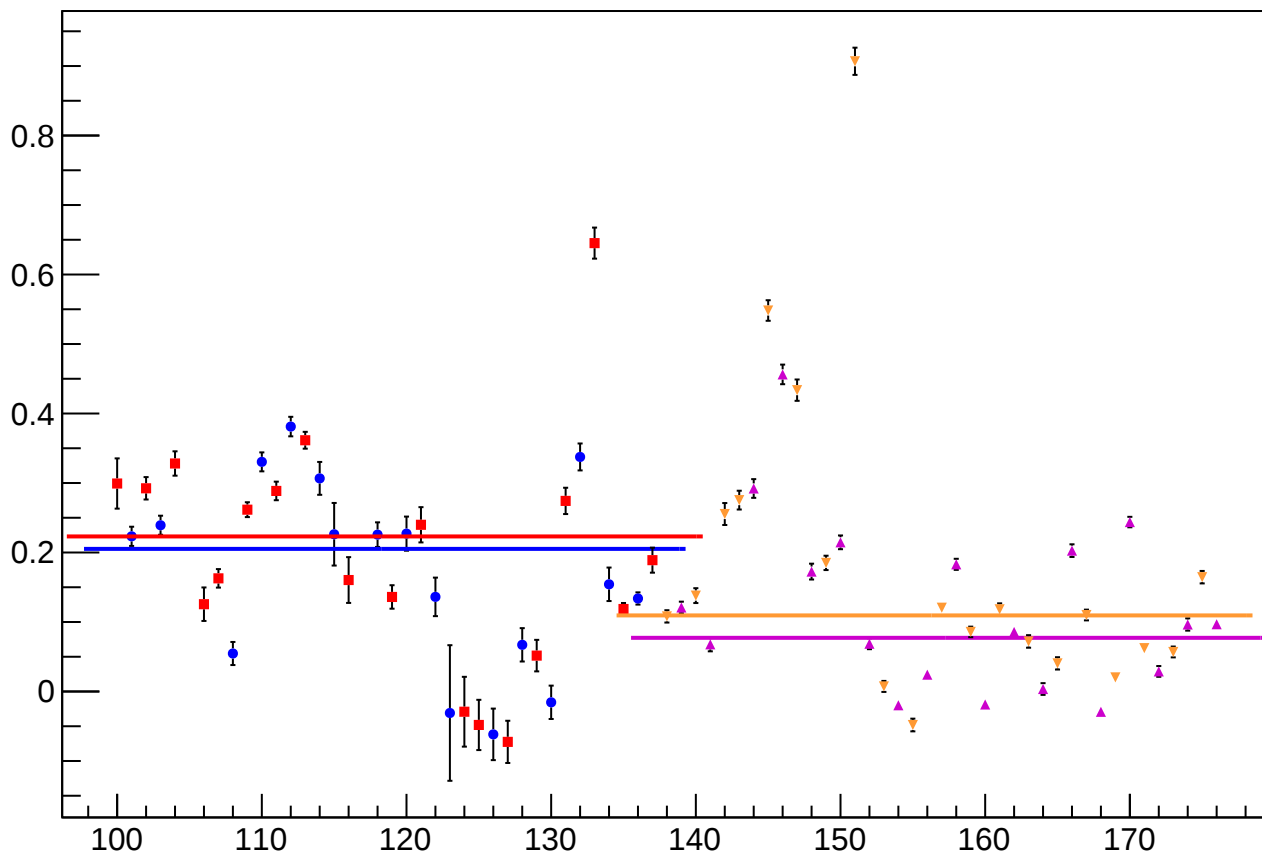
Right: -1.700+/-0.050 χ^2/NDF : 2678.8/35

In: -2.083+/-0.035 χ^2/NDF : 4618.2/35

Out: -2.332+/-0.037 χ^2/NDF : 6011.3/38

All: -2.199+/-0.026 χ^2/NDF : 10653.0/74

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: 0.109 $\pm$ 0.002 χ^2 /NDF:4127.8/19

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1040.5/18

Left In: 0.077 $\pm$ 0.002 χ^2 /NDF:3236.6/18

Left: 0.091 $\pm$ 0.001 χ^2 /NDF: 7511.1/38

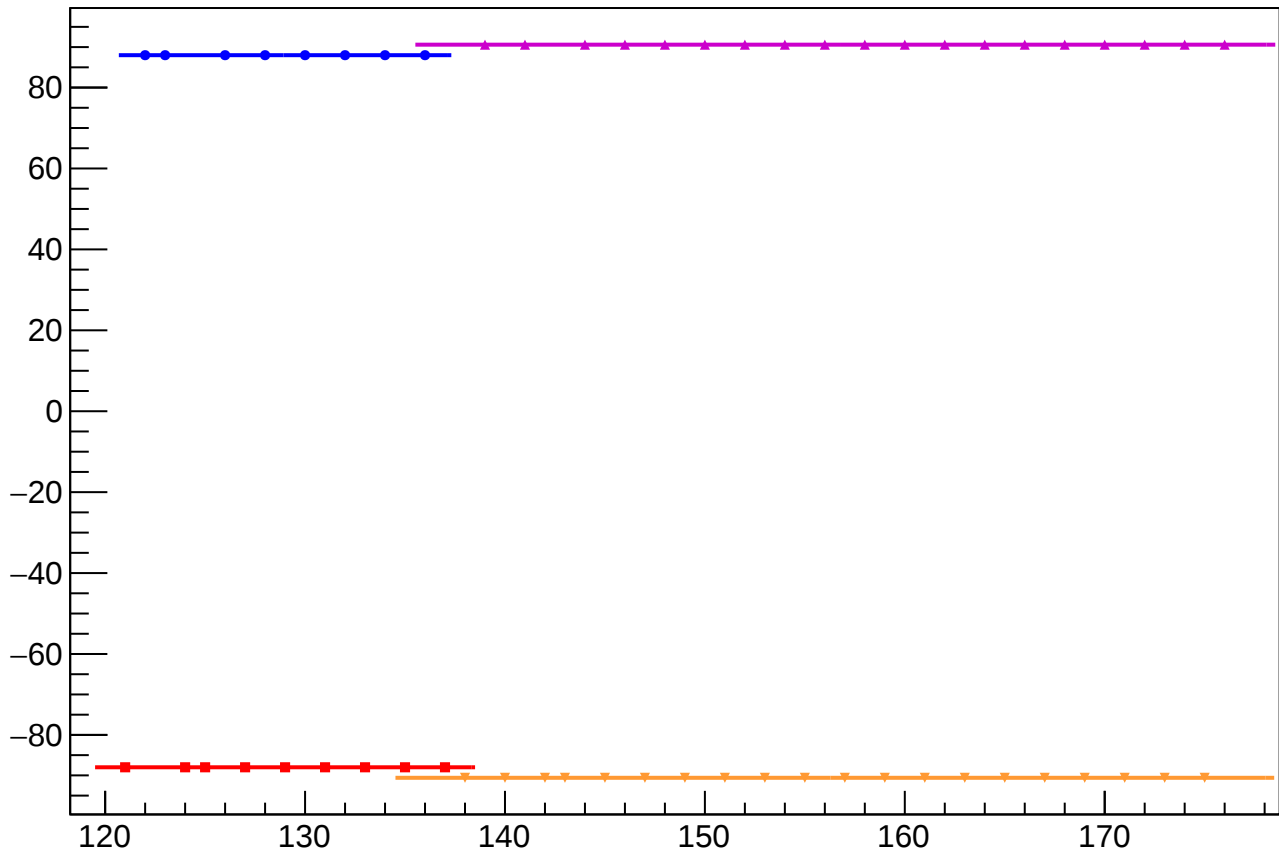
Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1700.9/35

In: 0.095 $\pm$ 0.002 χ^2 /NDF:4655.8/35

Out: 0.134 $\pm$ 0.002 χ^2 /NDF:5854.6/38

All: 0.113 $\pm$ 0.001 χ^2 /NDF: 10769.0/74

VWienAngle_mean vs Slug, Sign Corrected



Left: -0.734 $\pm$ 0.000 χ^2 /NDF: 25337152163760696

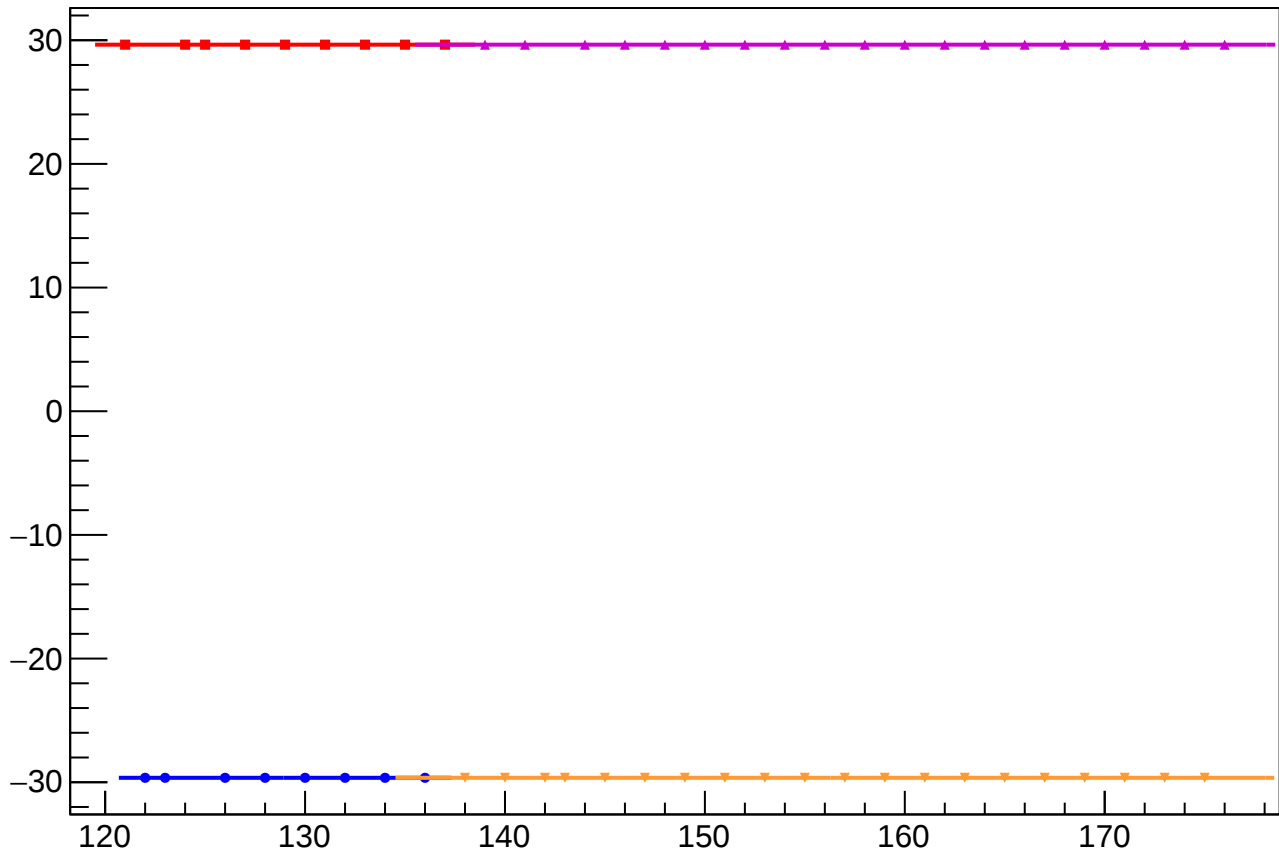
Right: 3.062 $\pm$ 0.000 χ^2 /NDF: 51126681569224617

In: 90.125 $\pm$ 0.000 χ^2 /NDF: 188773182905384684

Out: -90.157 $\pm$ 0.000 χ^2 /NDF: 1787622378575298

All: -0.064 $\pm$ 0.000 χ^2 /NDF: 3045766432531

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 : 288584.3/19

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: 29.641+/-0.000 χ^2/NDF : 345382.2/18

Left: -0.240+/-0.000 χ^2/NDF : 27119716695012740

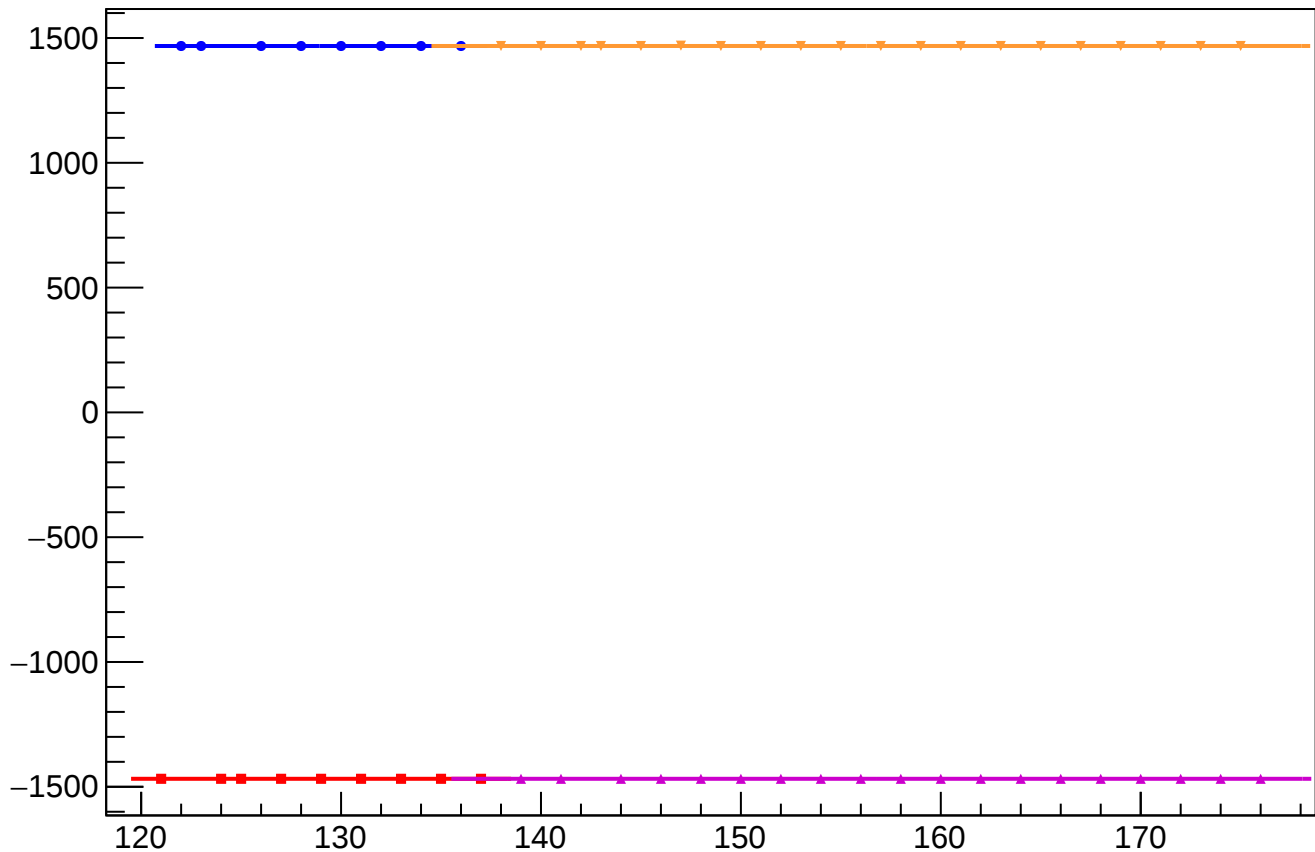
Right: -1.031+/-0.000 χ^2/NDF : 5800324943766944

In: 18.816+/-0.000 χ^2/NDF : 982427507237419894

Out: -19.555+/-0.000 χ^2/NDF : 9303277988091063

All: -0.380+/-0.000 χ^2/NDF : 3292345081738

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000

χ^2/NDF : 436234375.5/7

Left: 11.922+/-0.000

χ^2/NDF : 66523568735662623

Right: 51.079+/-0.000

χ^2/NDF : 1422706063207371

Left Out: 1468.059+/-0.000

χ^2/NDF : 126909153750954161884650968973312.0/19

Right Out: -1467.979+/-0.000

χ^2/NDF : 83183350.3/8

In: -931.900+/-0.000

χ^2/NDF : 2409724168589165

Out: 968.541+/-0.000

χ^2/NDF : 2282035750503324

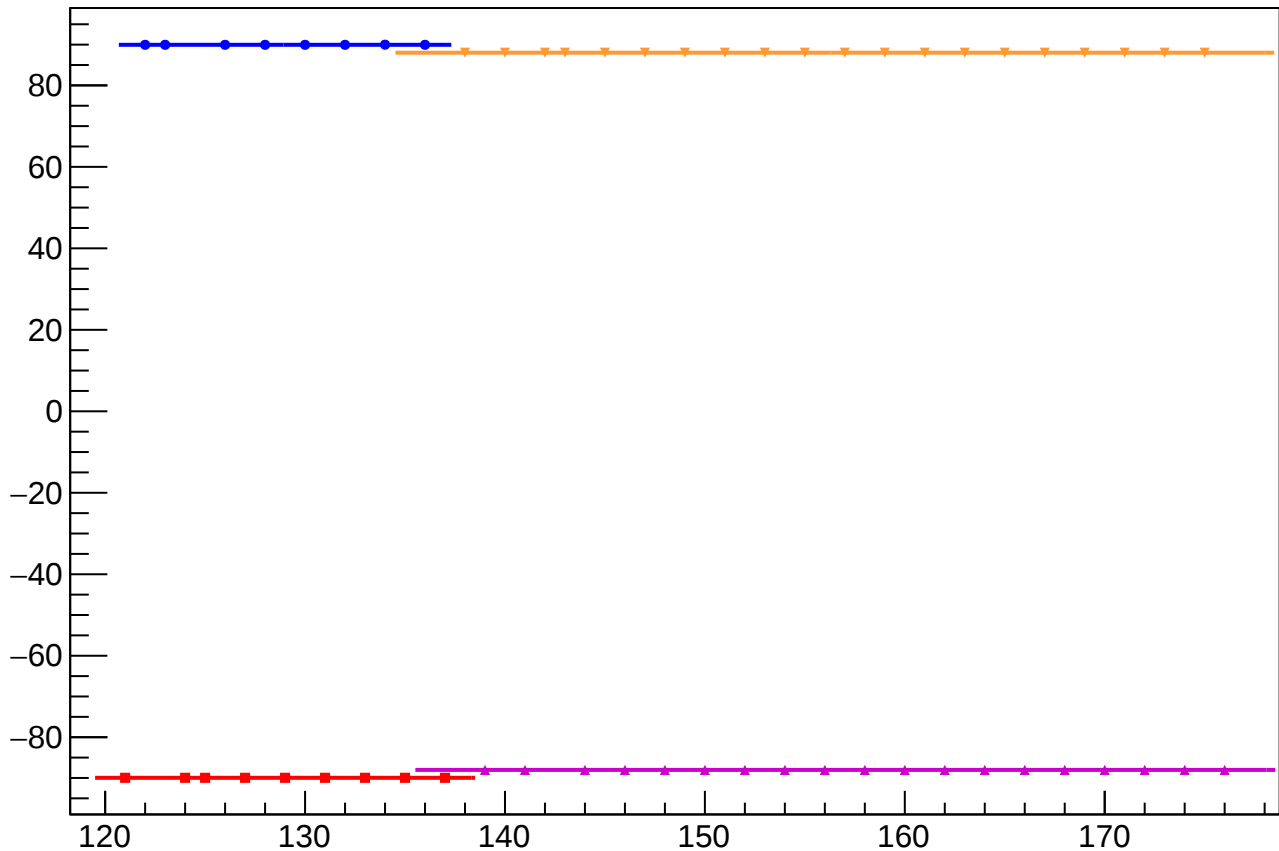
Left In: -1467.993+/-0.000

χ^2/NDF : 135506205063144735896586158080.0/18

All: 18.828+/-0.000

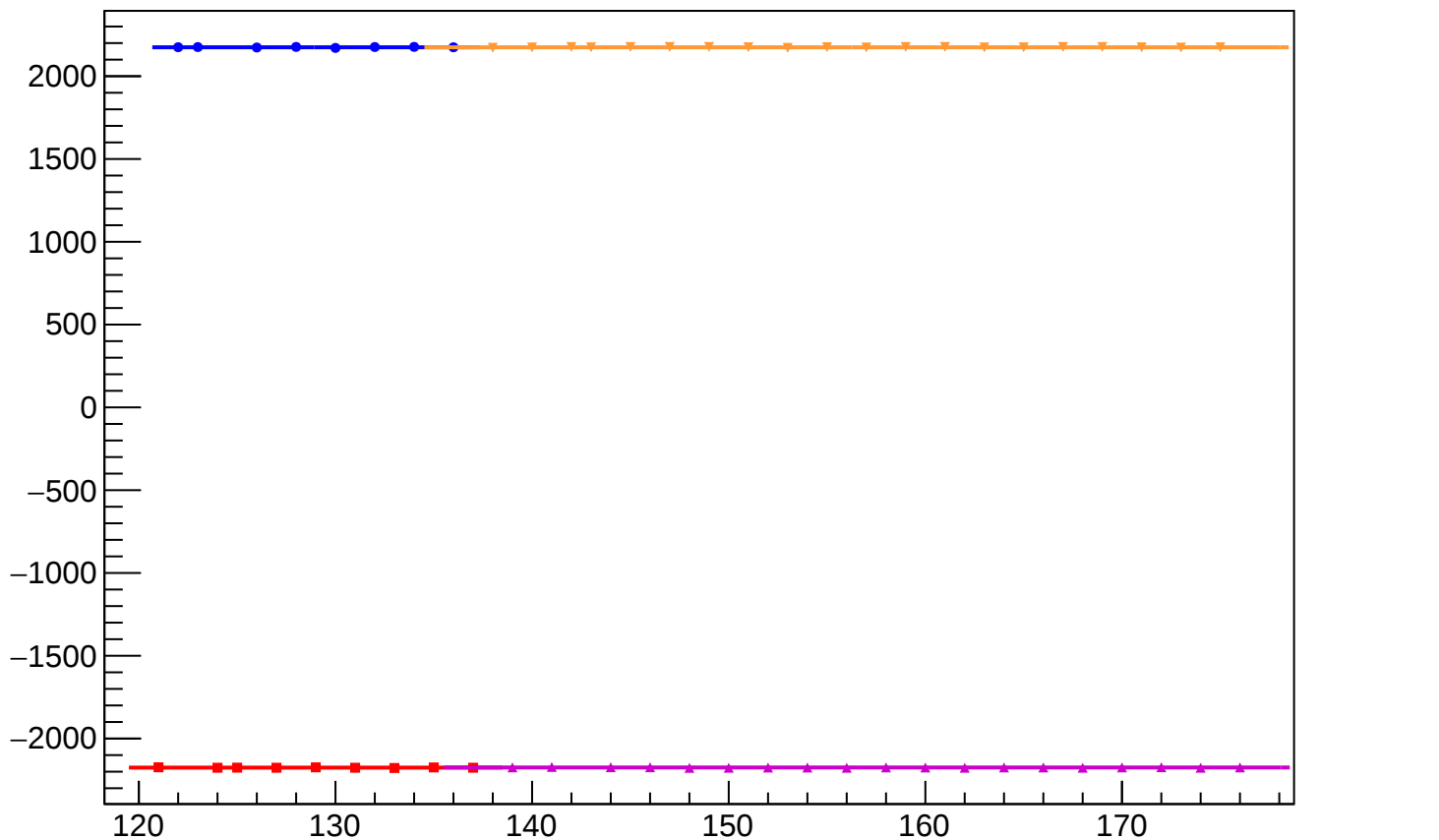
χ^2/NDF : 8075897712292

Phi_FG_mean vs Slug, Sign Corrected



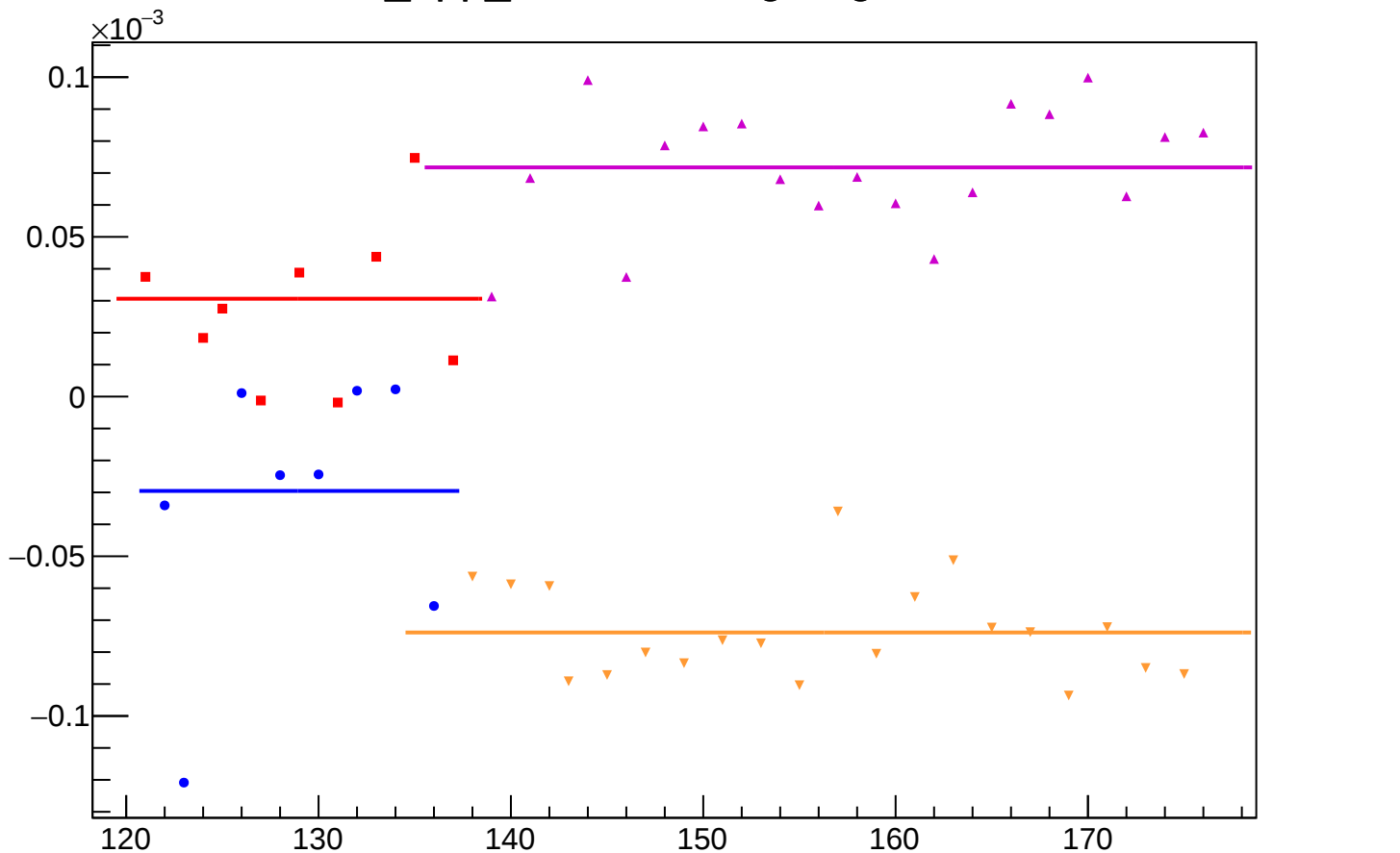
Right In: 89.961+/-0.000	χ^2/NDF : 21528640598708602874349223936.0/7	Left: 0.713+/-0.000	χ^2/NDF : 239154089763492132
Left Out: 88.021+/-0.000	χ^2/NDF : 5015994.2/19	Right: 3.131+/-0.000	χ^2/NDF : 53429021948733419
Right Out: -89.959+/-0.000	χ^2/NDF : 331397.3/8	In: -55.522+/-0.000	χ^2/NDF : 88555559010815563
Left In: -88.021+/-0.000	χ^2/NDF : 4974392.8/18	Out: 57.740+/-0.000	χ^2/NDF : 83857403001949703
		All: 1.139+/-0.000	χ^2/NDF : 29261495379812

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.572 +/- 0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7
 Left Out: 2174.455 +/- 0.000 χ^2/NDF : 4205317873437321569058236640788480.0/19
 Right Out: -2175.442 +/- 0.000 χ^2/NDF : 610778445075790556034346524868608.0/8
 Left In: -2174.619 +/- 0.000 χ^2/NDF : 3030857860652847589763636795539456.0/18
 All: 27.708 +/- 0.000 χ^2/NDF : 1772126848968.0/19

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 : 17250278537771827

Right: -0.000+/-0.000

χ^2/NDF : 1044577663810456

Left Out: -0.000+/-0.000

χ^2/NDF : 342850263732356487577600.0/19

In: 0.000+/-0.000

χ^2/NDF : 3662939002852154896

Right Out: 0.000+/-0.000

χ^2/NDF : 196732771178766734983168.0/8

Out: -0.000+/-0.000

χ^2/NDF : 34301328289360158

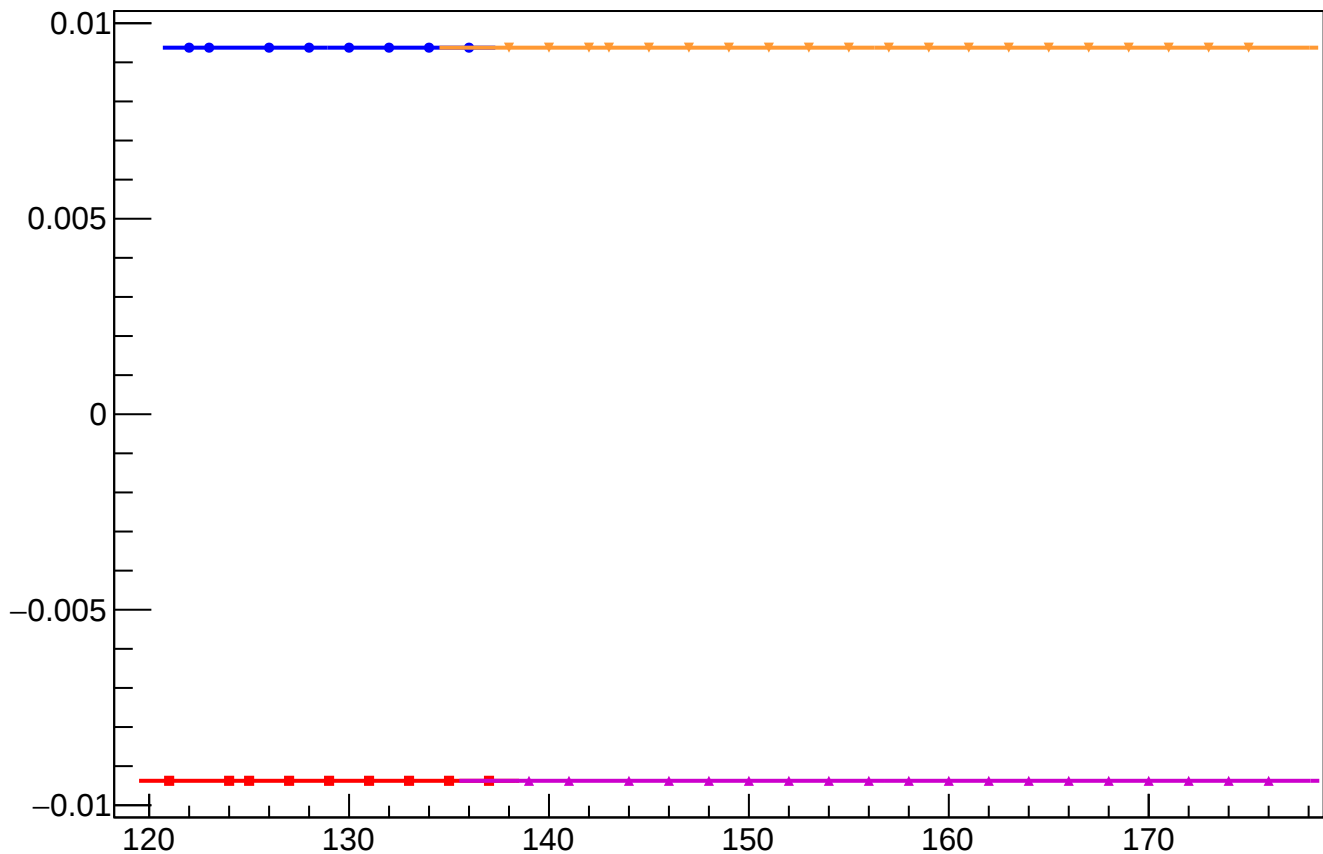
Left In: 0.000+/-0.000

χ^2/NDF : 544117765828684783026176.0/18

All: -0.000+/-0.000

χ^2/NDF : 1829556350113

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/18

Left: 0.000+/-0.000 χ^2/NDF : 271300564868804112

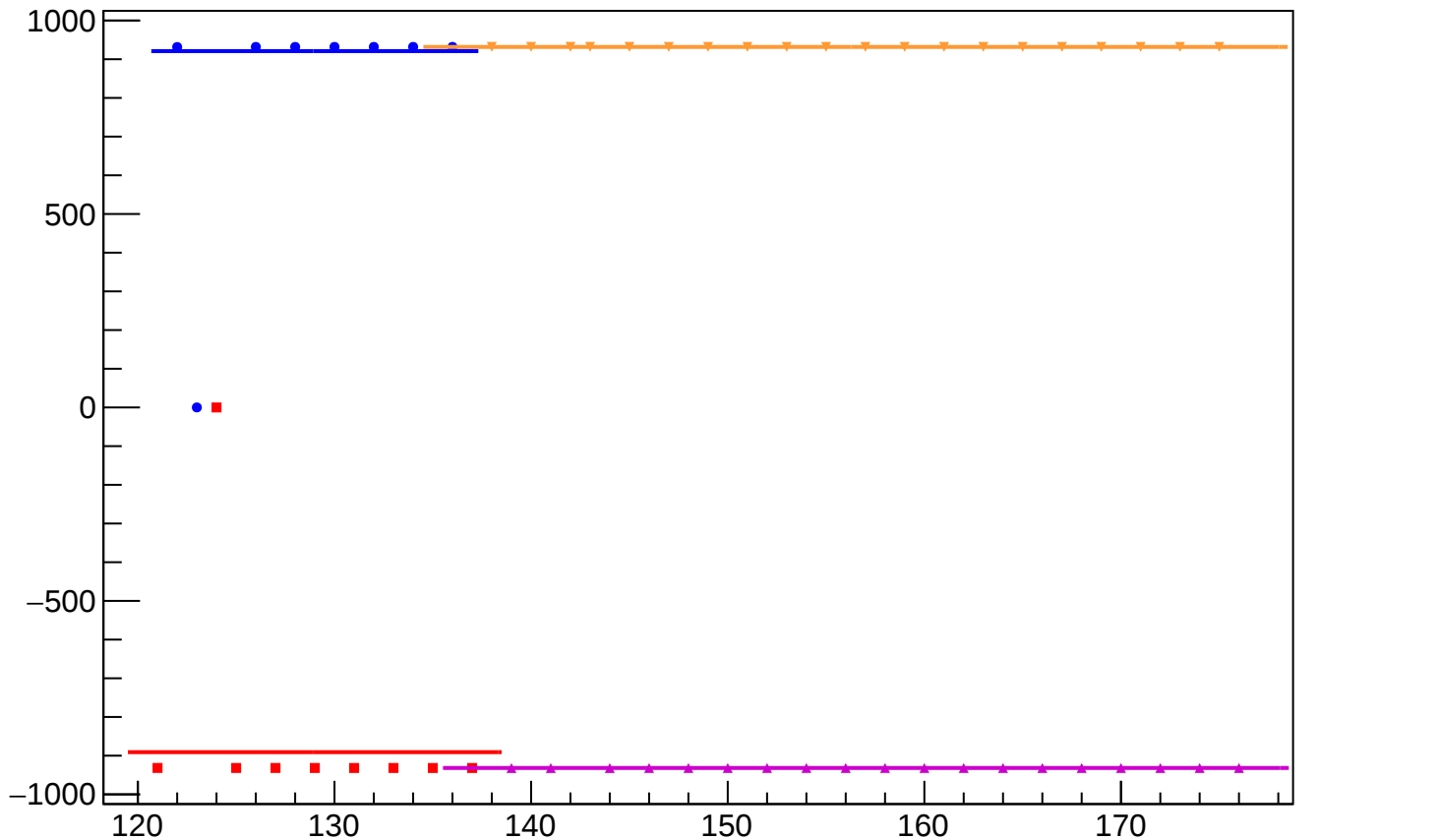
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.006+/-0.000 χ^2/NDF : 982802072210355457

Out: 0.006+/-0.000 χ^2/NDF : 930682499999998147

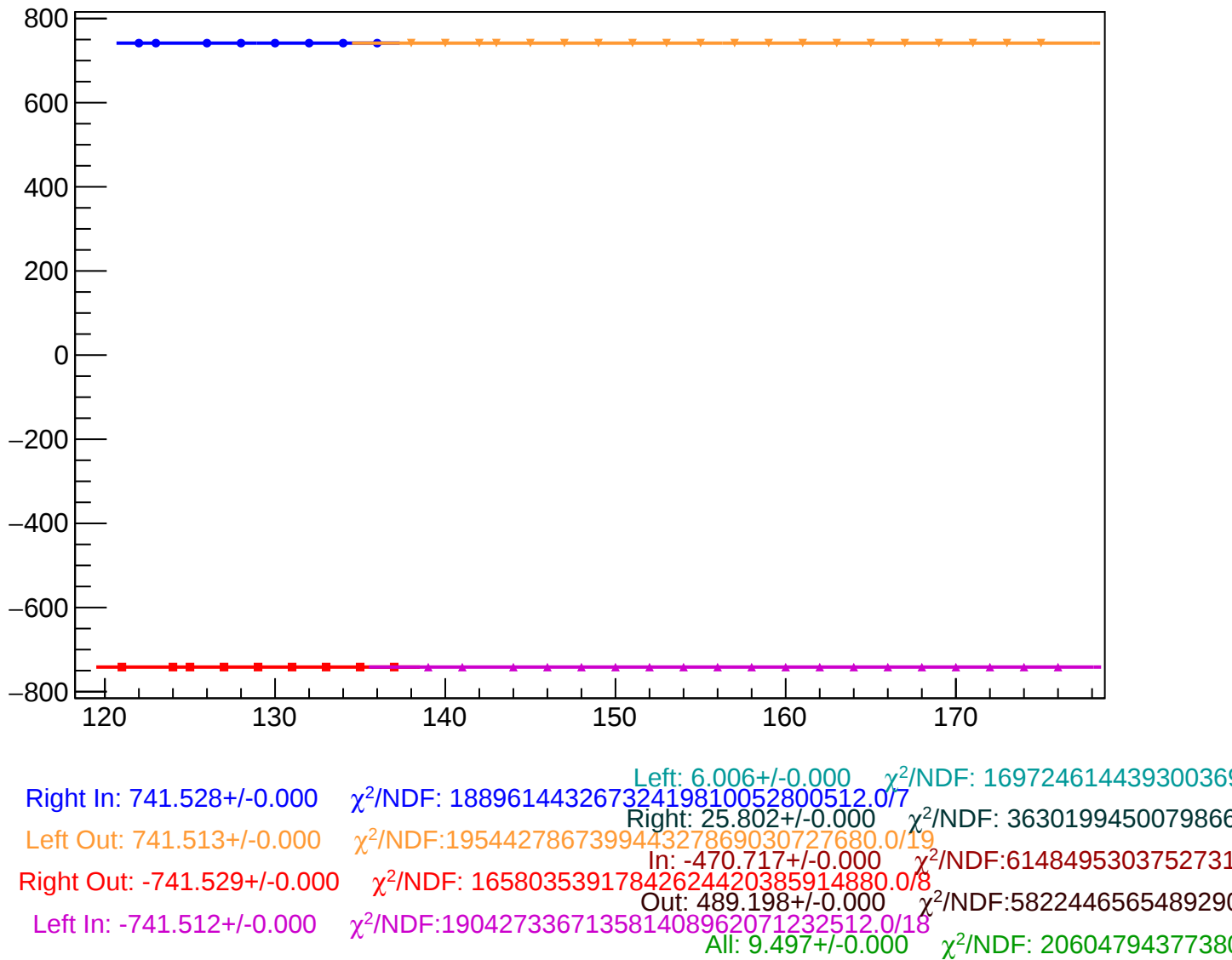
All: 0.000+/-0.000 χ^2/NDF : 32936003368463

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected

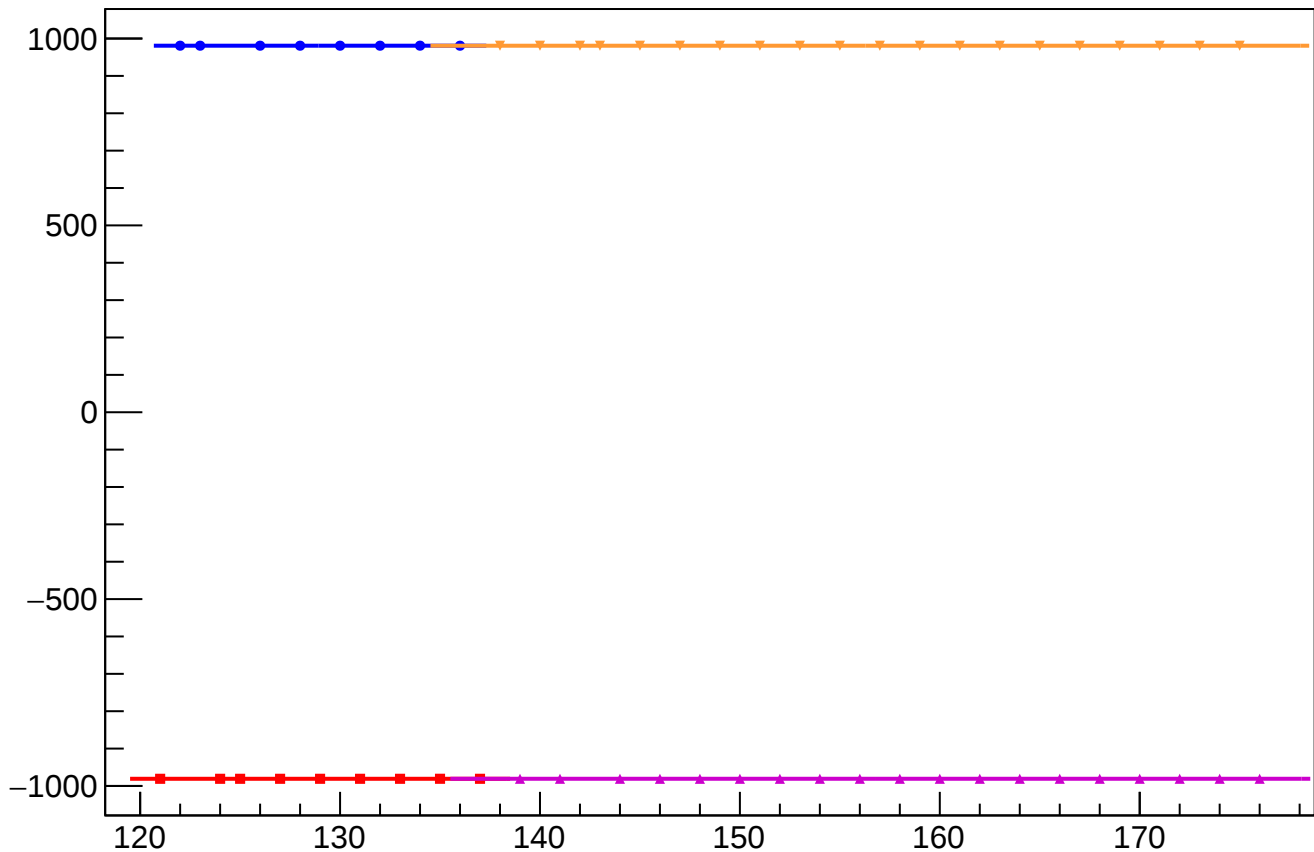


Right In: 920.898 ± 0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
 Left Out: 931.785 ± 0.000 χ^2/NDF : 3858411934443050735664017440768.0/19
 Right Out: -890.923 ± 0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
 Left In: -931.777 ± 0.000 χ^2/NDF : 3505726088331128103992591122432.0/18
 All: 14.421 ± 0.000 χ^2/NDF : 3237693755284

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected

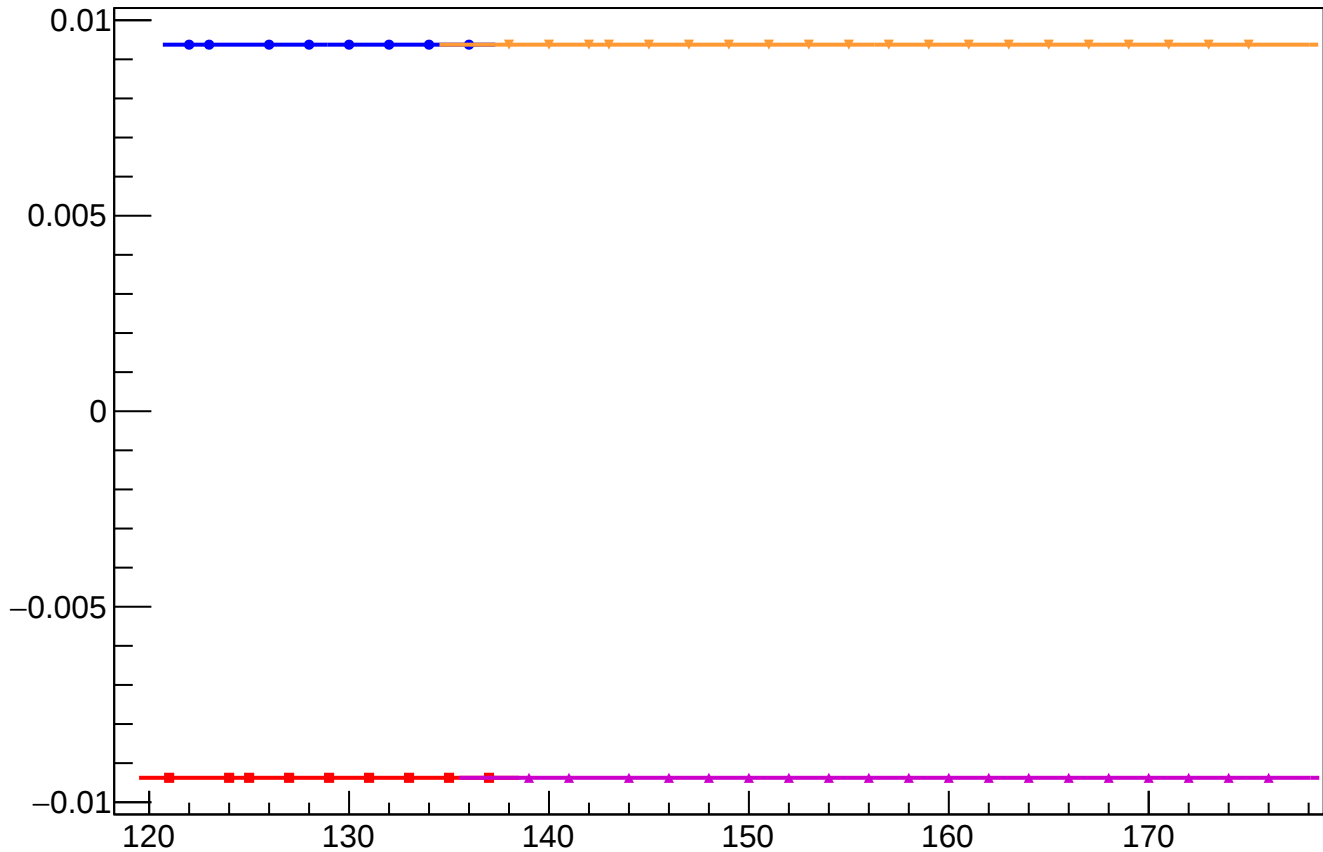


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825 +/- 0.000 χ^2/NDF : 159345321268745350954763681792.0/7
 Left Out: 980.767 +/- 0.000 χ^2/NDF : 658287090231265625928401682432.0/19
 Right Out: -980.818 +/- 0.000 χ^2/NDF : 143689912167528137563261894656.0/8
 Left In: -980.774 +/- 0.000 χ^2/NDF : 1399344609880309172300834406400.0/18
 All: 12.559 +/- 0.000 χ^2/NDF : 3604716229353

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 : 0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/18

Left: 0.000+/-0.000 χ^2/NDF : 271300564868804112

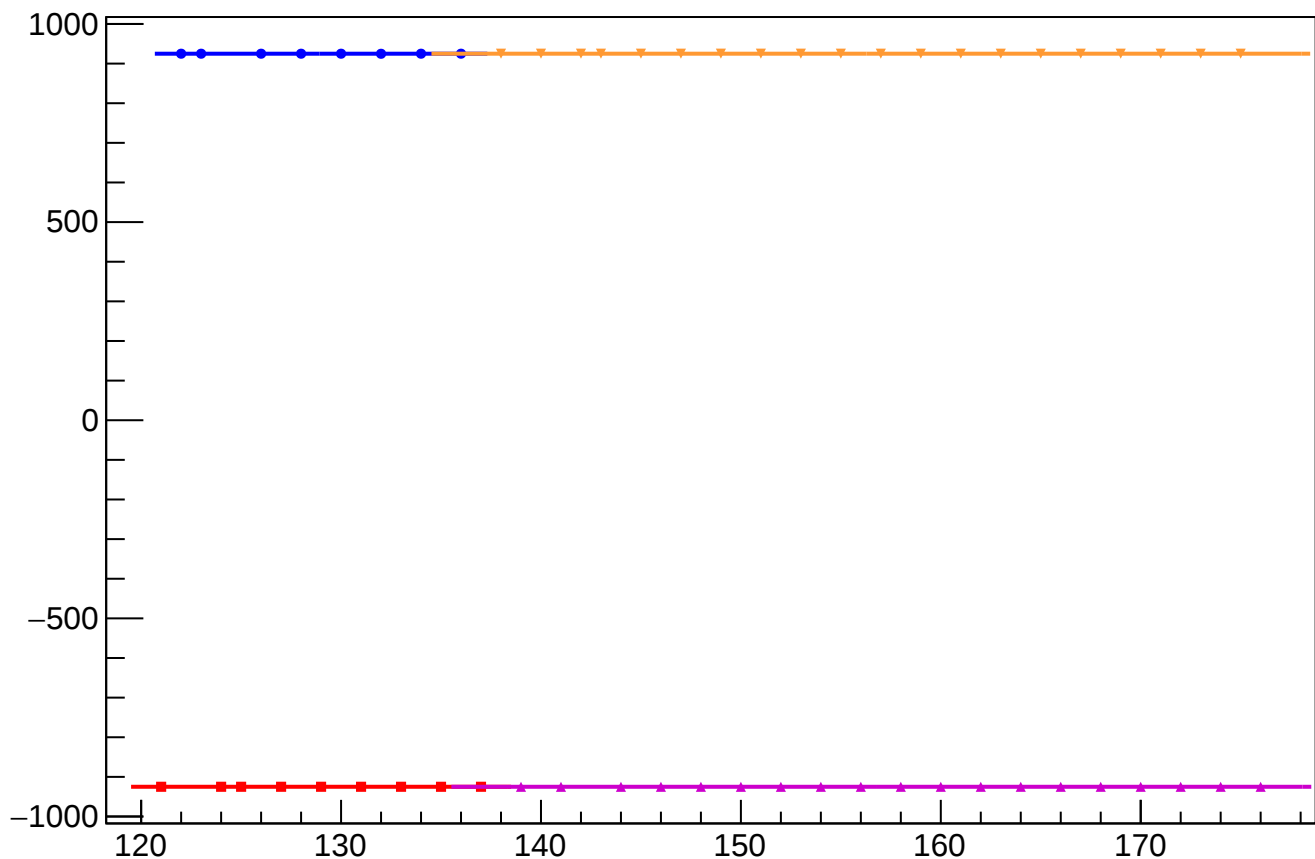
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.006+/-0.000 χ^2/NDF : 982802072210355457

Out: 0.006+/-0.000 χ^2/NDF : 930682499999998147

All: 0.000+/-0.000 χ^2/NDF : 32936003368463

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939+/-0.000

χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.983+/-0.000

χ^2/NDF : 844259595256691386369475346432.0/19

Right Out: -924.957+/-0.000

χ^2/NDF : 71808709366506786060310151168.0/8

Left In: -924.985+/-0.000

χ^2/NDF : 717893350242083371727596814336.0/18

Left: 7.490+/-0.000 χ^2/NDF : 264105003039280432.0/7

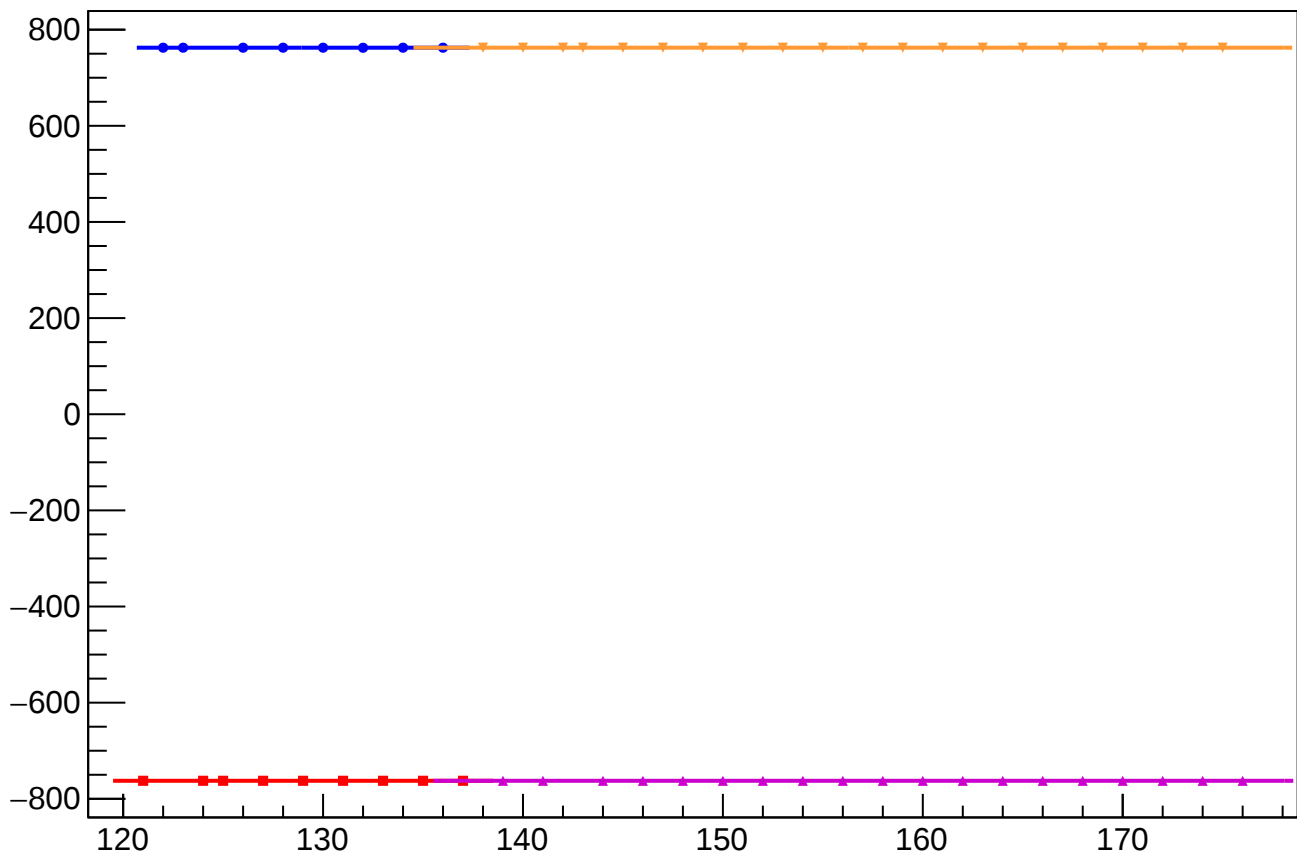
Right: 32.175+/-0.000 χ^2/NDF : 5648201825061875.0/7

In: -587.199+/-0.000 χ^2/NDF : 9566907015914801.0/7

Out: 610.246+/-0.000 χ^2/NDF : 9059710538576239.0/7

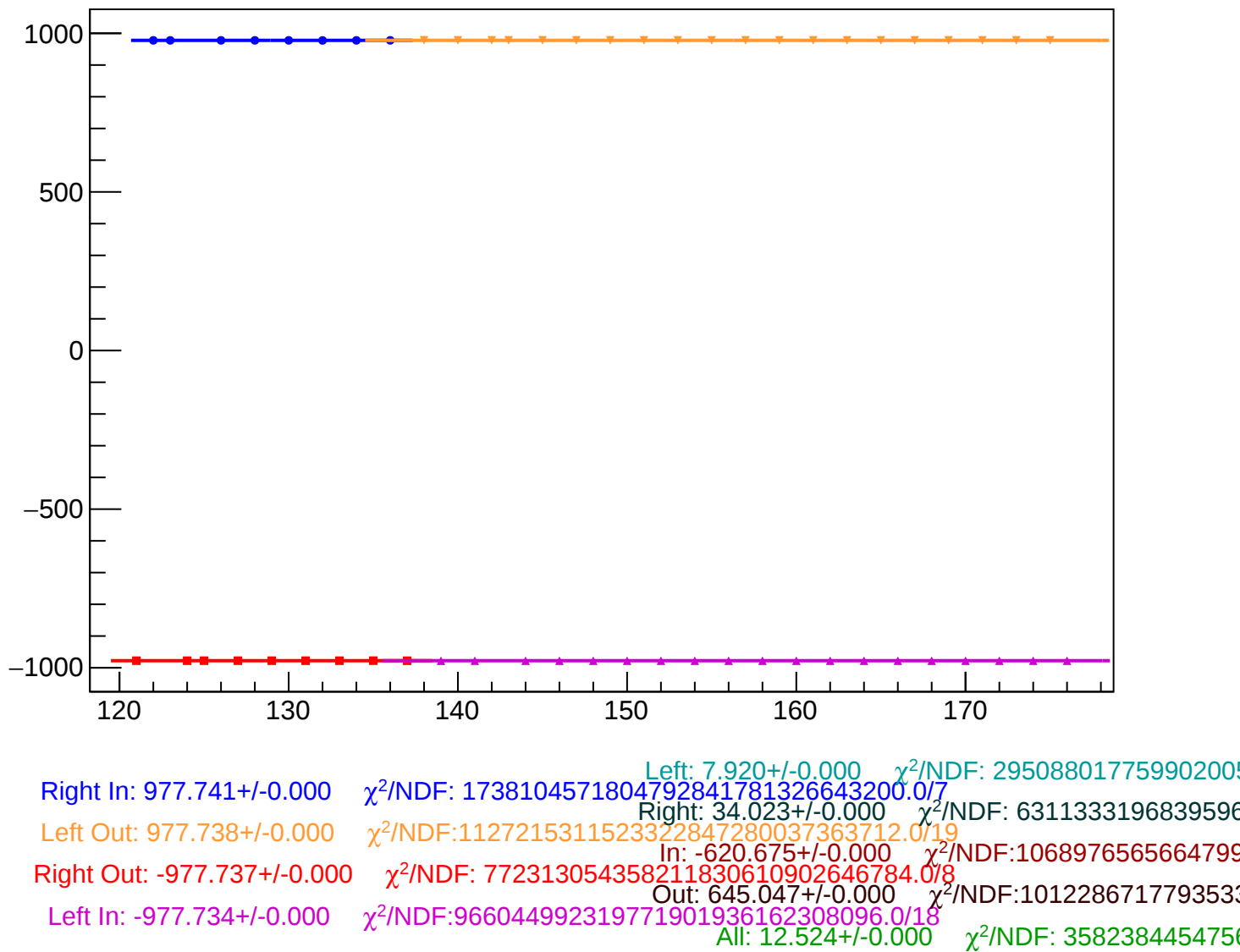
All: 11.843+/-0.000 χ^2/NDF : 3206201973268.0/7

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected

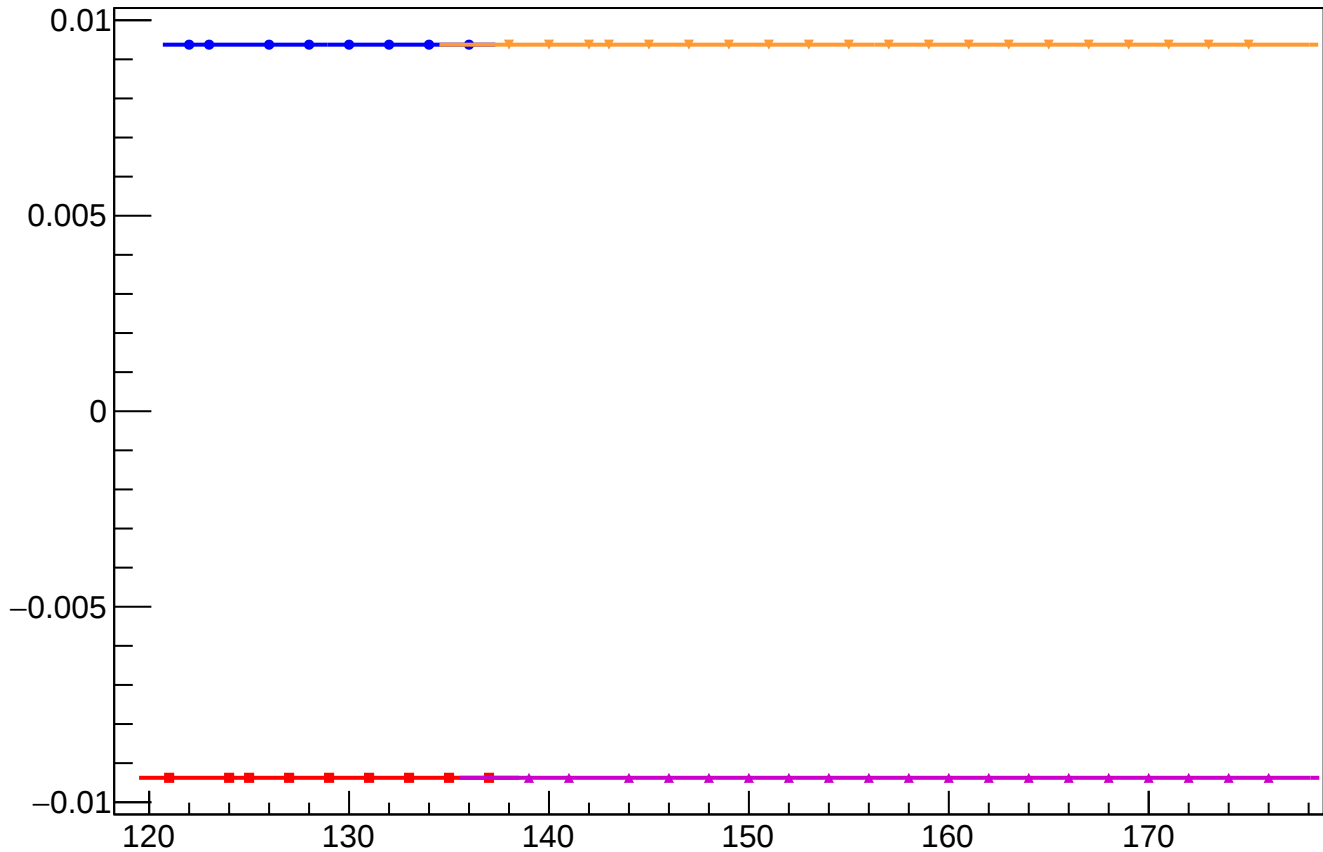


Right In: 762.484 +/- 0.000 χ^2/NDF : 784430761251084401798891438080.0/7
 Left Out: 762.515 +/- 0.000 χ^2/NDF : 594978733737028996429212811264.0/19
 Right Out: -762.501 +/- 0.000 χ^2/NDF : 469794702848036819563446272.0/8
 Left In: -762.516 +/- 0.000 χ^2/NDF : 533087680247739152745101262848.0/18
 All: 9.763 +/- 0.000 χ^2/NDF : 21788176793767

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/19

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/18

Left: 0.000+/-0.000 χ^2/NDF : 271300564868804112

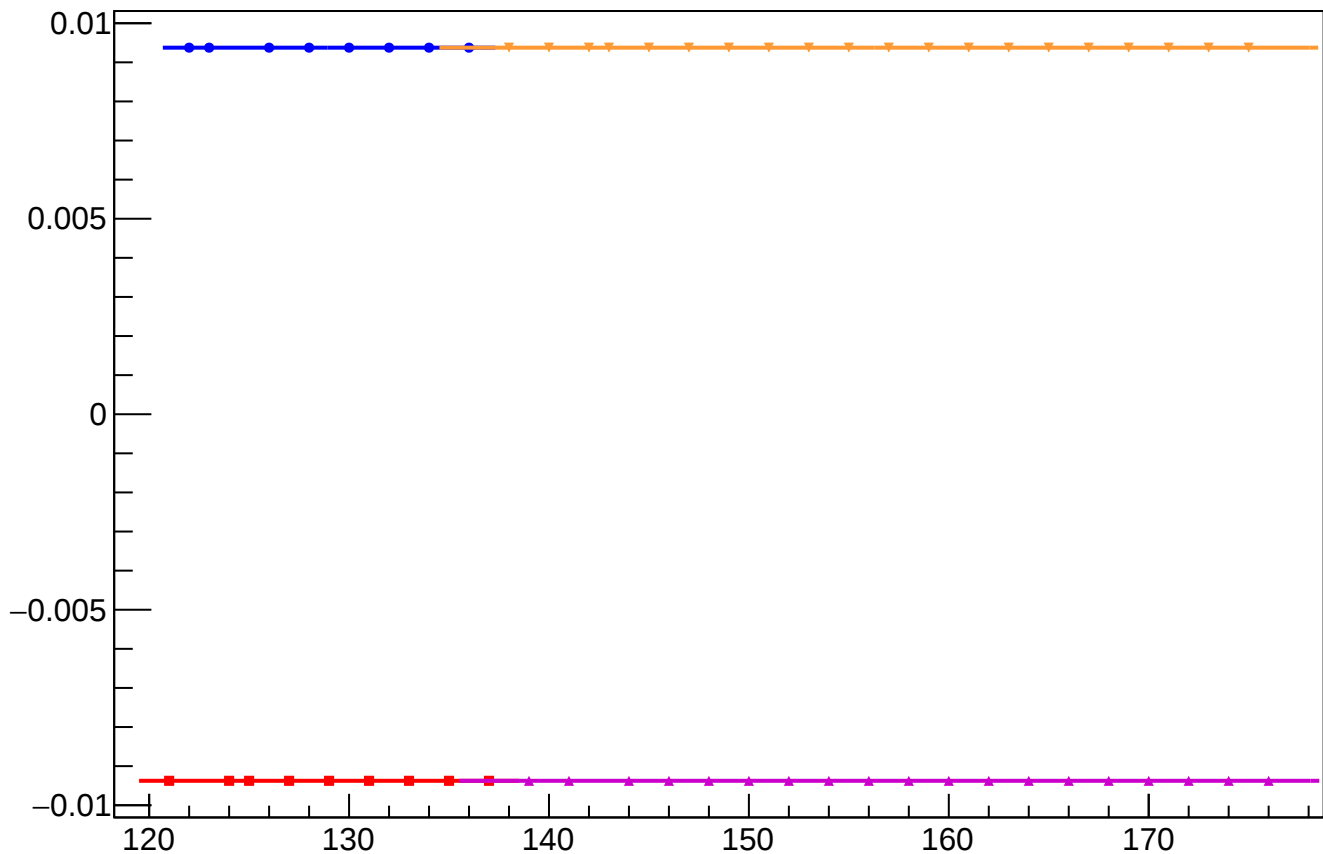
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.006+/-0.000 χ^2/NDF : 982802072210355457

Out: 0.006+/-0.000 χ^2/NDF : 930682499999998147

All: 0.000+/-0.000 χ^2/NDF : 32936003368463

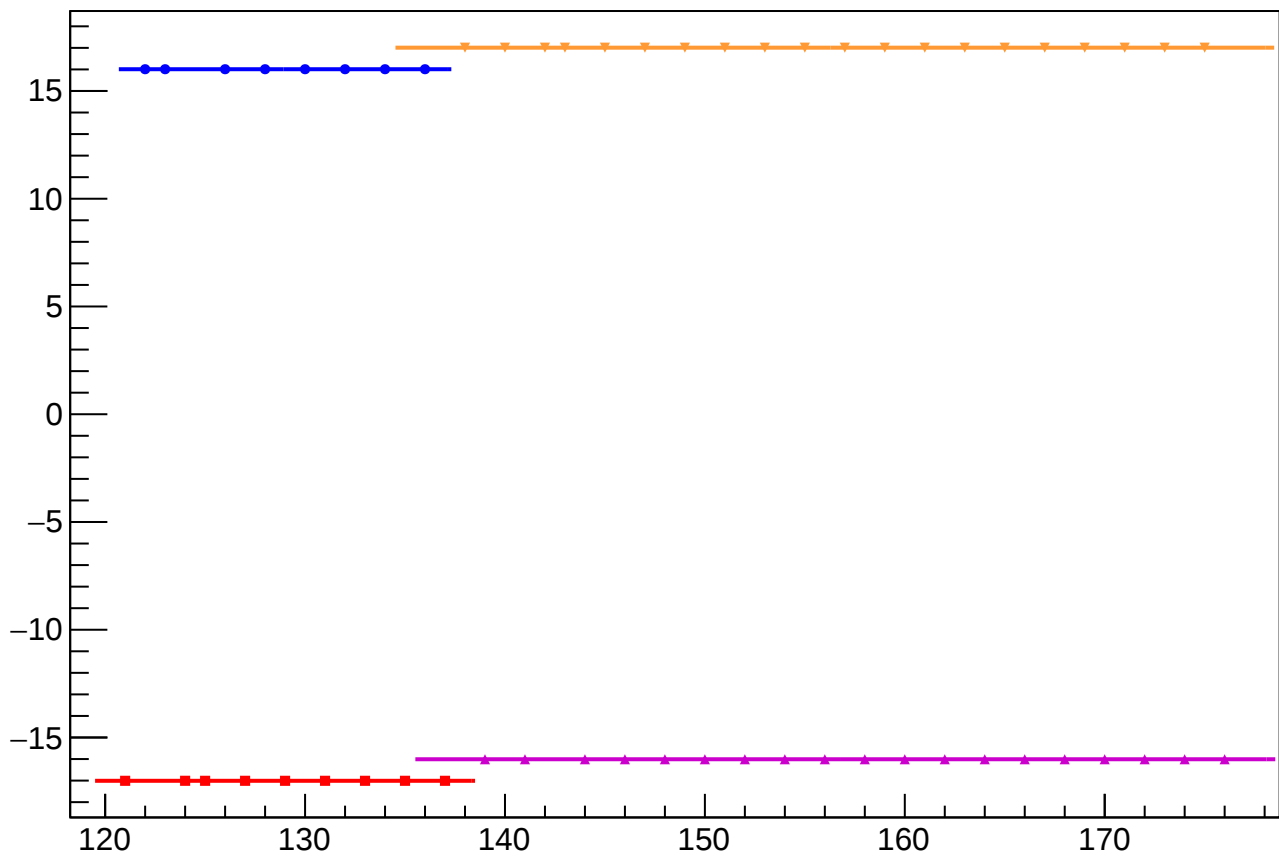
MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7
 Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/19
 Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8
 Left In: -0.009+/-0.000 χ^2/NDF : 0.1/18

Left: 0.000+/-0.000 χ^2/NDF : 271300564868804112
 Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994
 In: -0.006+/-0.000 χ^2/NDF : 982802072210355457
 Out: 0.006+/-0.000 χ^2/NDF : 930682499999998147
 All: 0.000+/-0.000 χ^2/NDF : 32936003368463

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 : 23166597556081921970143232.0/19

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009+/-0.000 χ^2/NDF : 126941797574154410524672.0/18

Left: 0.552+/-0.000 χ^2/NDF : 781414673146162440

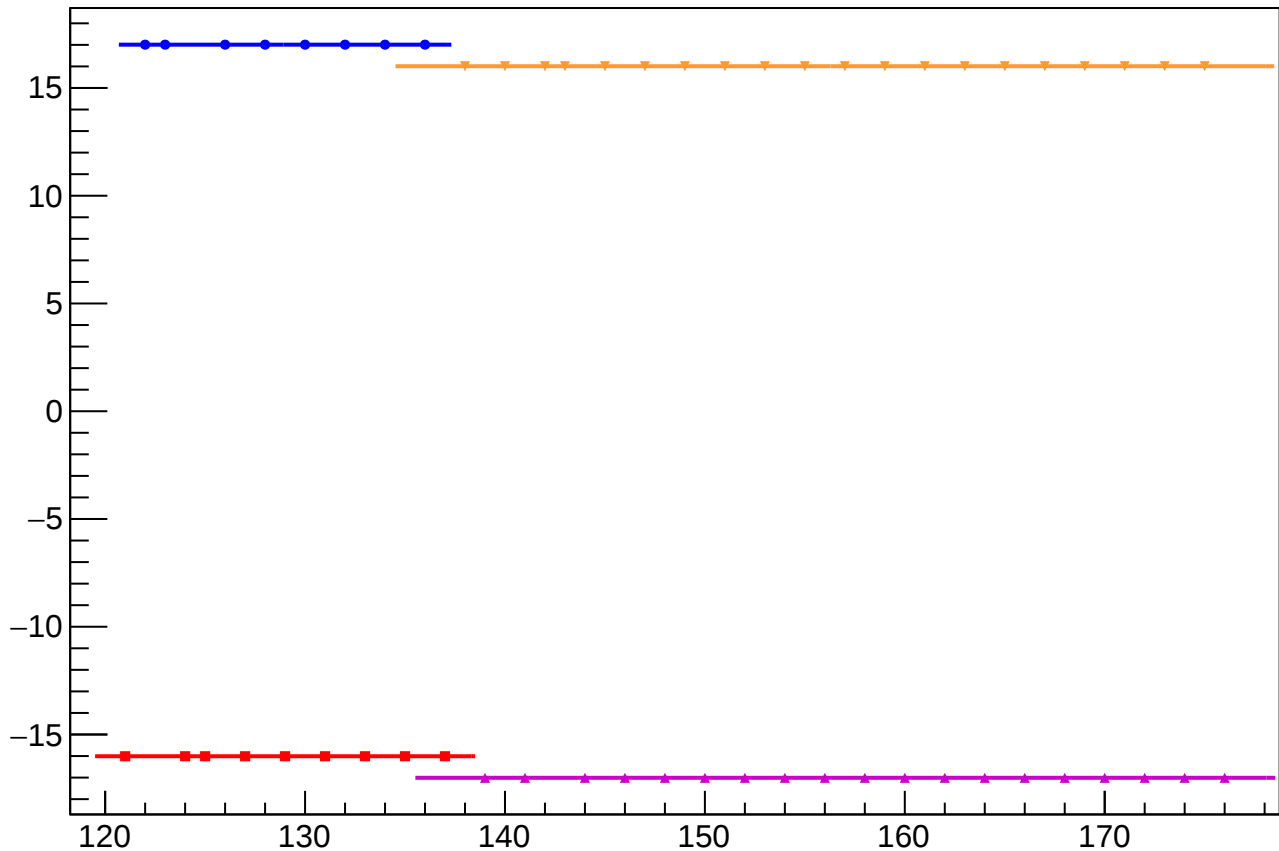
Right: -0.126+/-0.000 χ^2/NDF : 1683539334964133

In: -10.211+/-0.000 χ^2/NDF : 26529713943619587

Out: 11.105+/-0.000 χ^2/NDF : 28883304639981447

All: 0.432+/-0.000 χ^2/NDF : 95000211018030

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Left: -0.298 ± 0.000 $\chi^2/\text{NDF}: 82491412117392826$

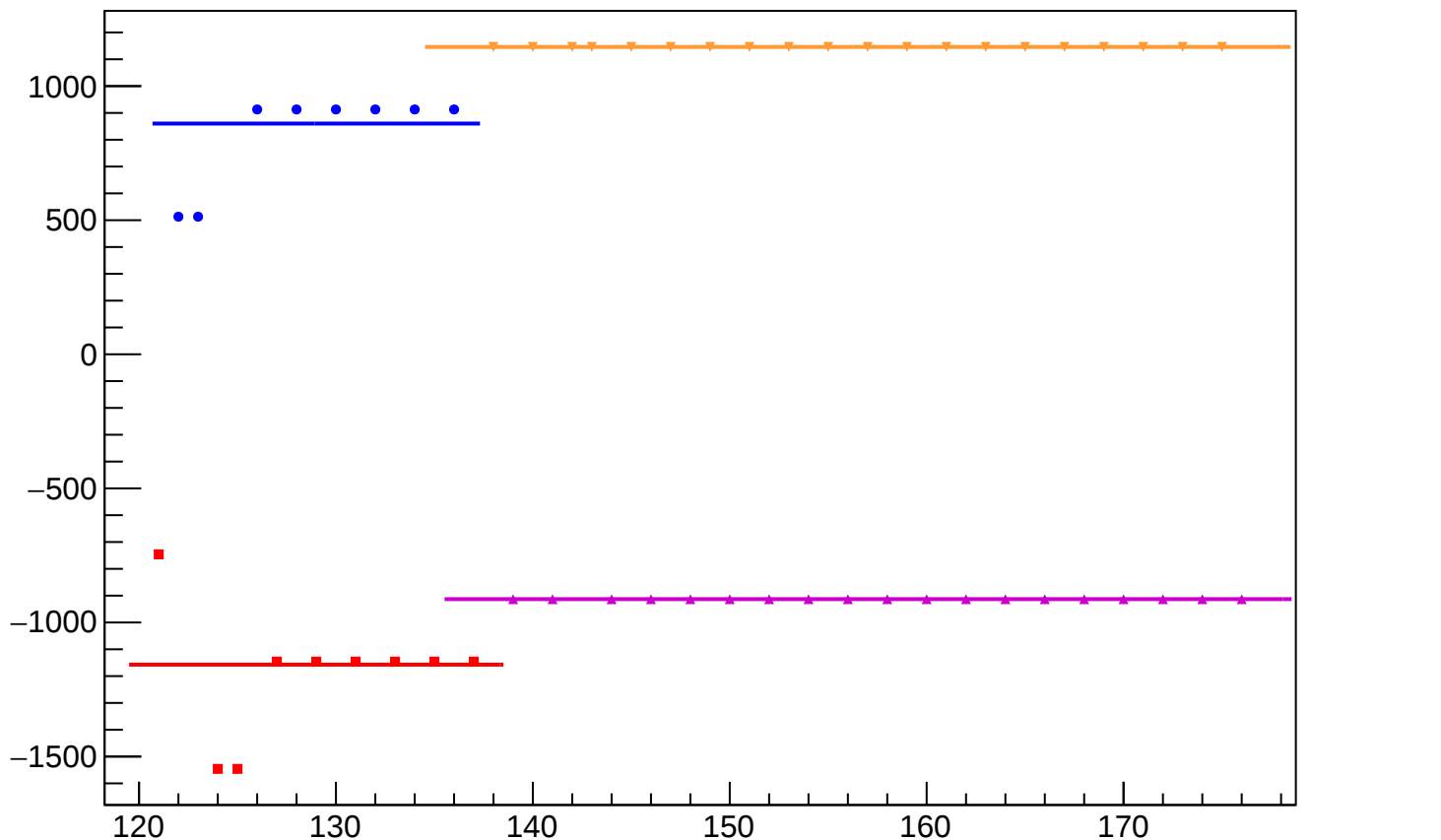
Right: 1.074 ± 0.000 $\chi^2/\text{NDF}: 17994367493156690$

In: -10.676 ± 0.000 $\chi^2/\text{NDF}: 32210301675858649$

Out: 10.491 ± 0.000 $\chi^2/\text{NDF}: 27067726278303994$

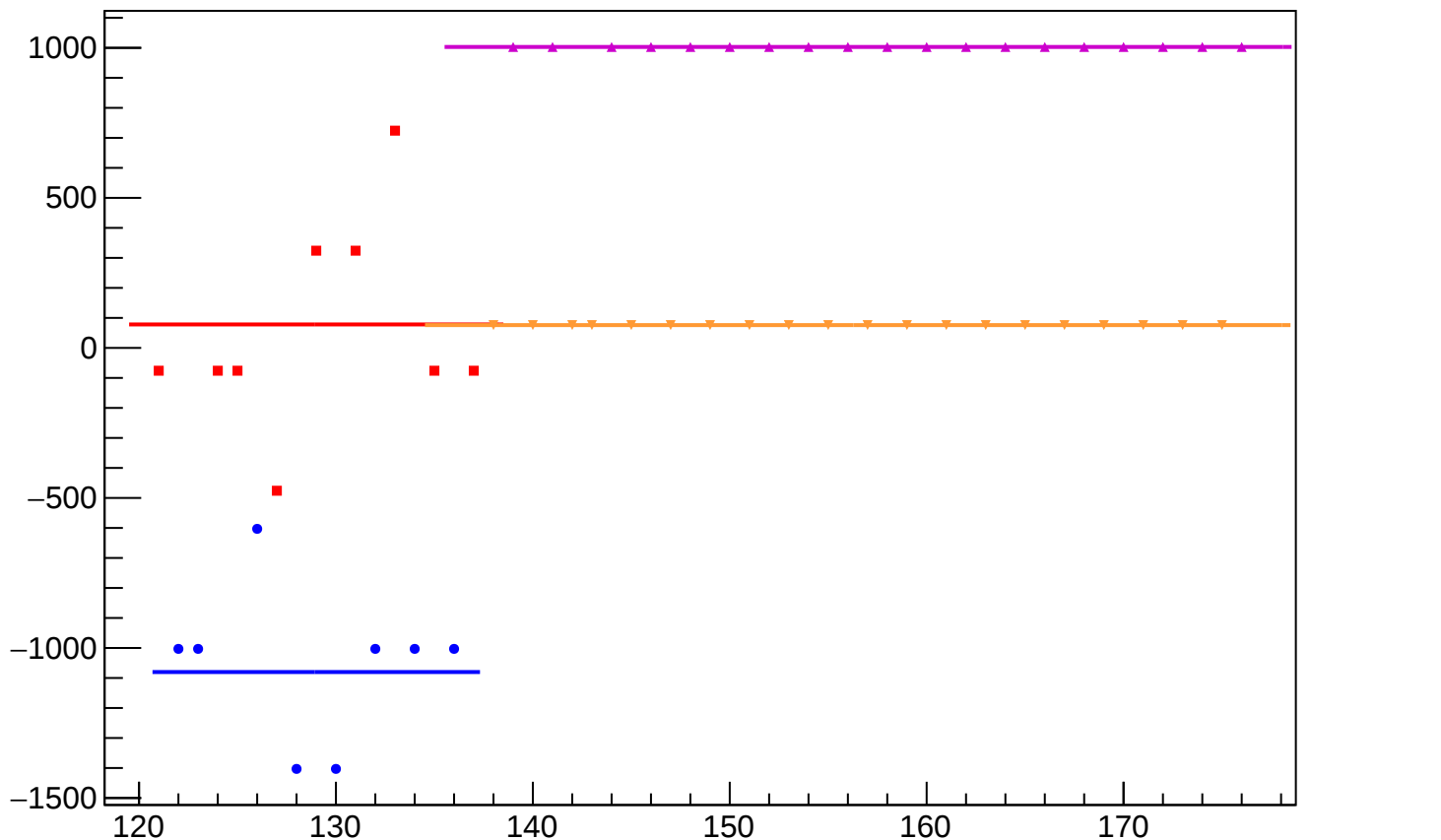
All: -0.052 ± 0.000 $\chi^2/\text{NDF}: 1005880020641$

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 124.845+/-0.000 χ^2/NDF : 3271624667704931
 Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7
 Left Out: 1146.011+/-0.000 χ^2/NDF : 4709544628538996258408235008.0/19
 Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8
 Left In: -912.995+/-0.000 χ^2/NDF : 23623560782816847649625341952.0/18
 All: 82.835+/-0.000 χ^2/NDF : 3994557653346

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182 $\pm$ 0.000 χ^2 /NDF: 21641787691490496475350584298794123264.0/7
 Left Out: 76.011 $\pm$ 0.000 χ^2 /NDF: 10067013089678785617825103872.0/19
 Right Out: 78.224 $\pm$ 0.000 χ^2 /NDF: 39611265375063350144036471826150326272.0/8
 Left In: 1002.990 $\pm$ 0.000 χ^2 /NDF: 2261962446389482979606921216.0/18
 All: 349.355 $\pm$ 0.000 χ^2 /NDF: 155396741153