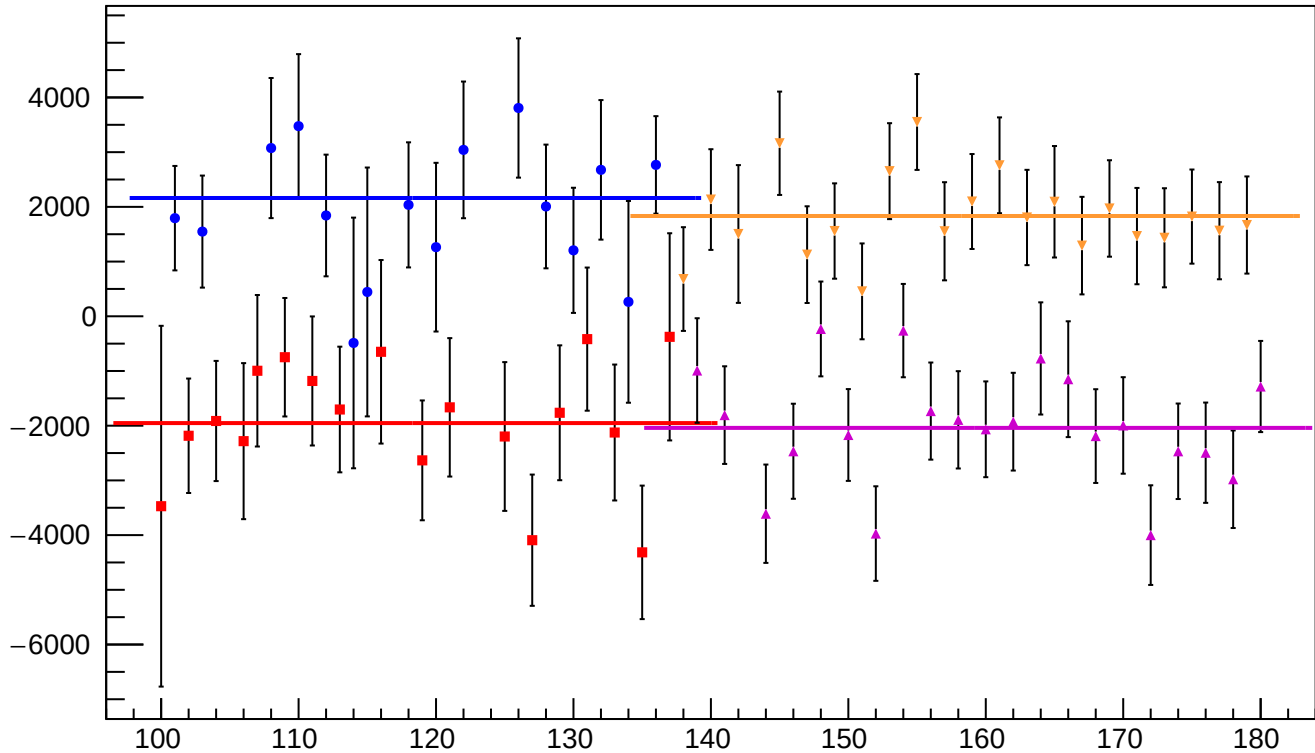


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1833.097+/-197.466

χ^2/NDF : 13.8/20

Right Out: -1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: -2040.093+/-194.751

χ^2/NDF : 27.8/20

+ sign 1929.302+/-166.127

χ^2/NDF : 23.6/36

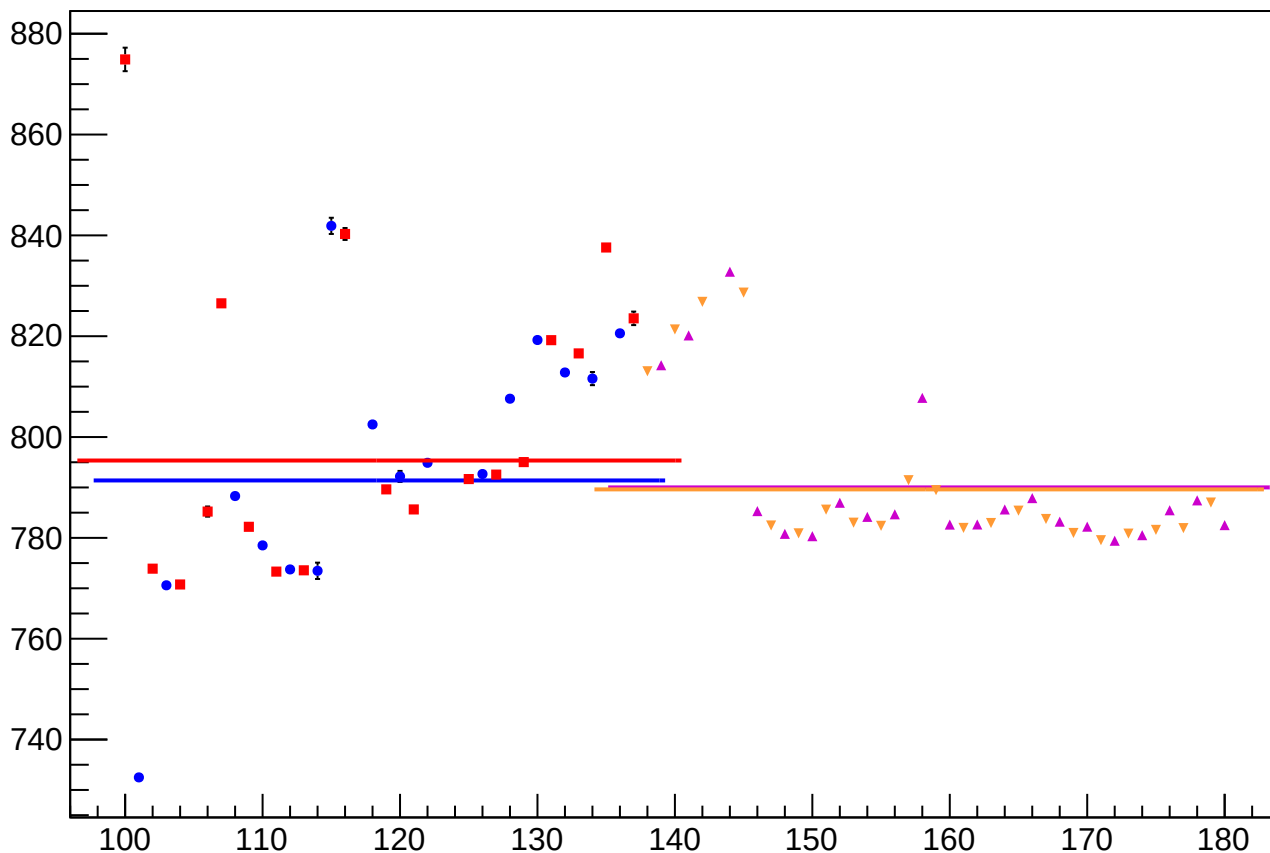
All: -74.505+/-116.509

χ^2/NDF : 350.3/75

- sign -2014.090+/-163.443

χ^2/NDF : 40.5/38

reg_asym_us_avg_rms vs Slug



Right In: 791.390 $\pm$ 0.217 χ^2 /NDF: 15008.3/15

Left Out: 789.617 $\pm$ 0.140 χ^2 /NDF:10764.0/20

Right Out: 795.345 $\pm$ 0.213 χ^2 /NDF: 11559.8/17

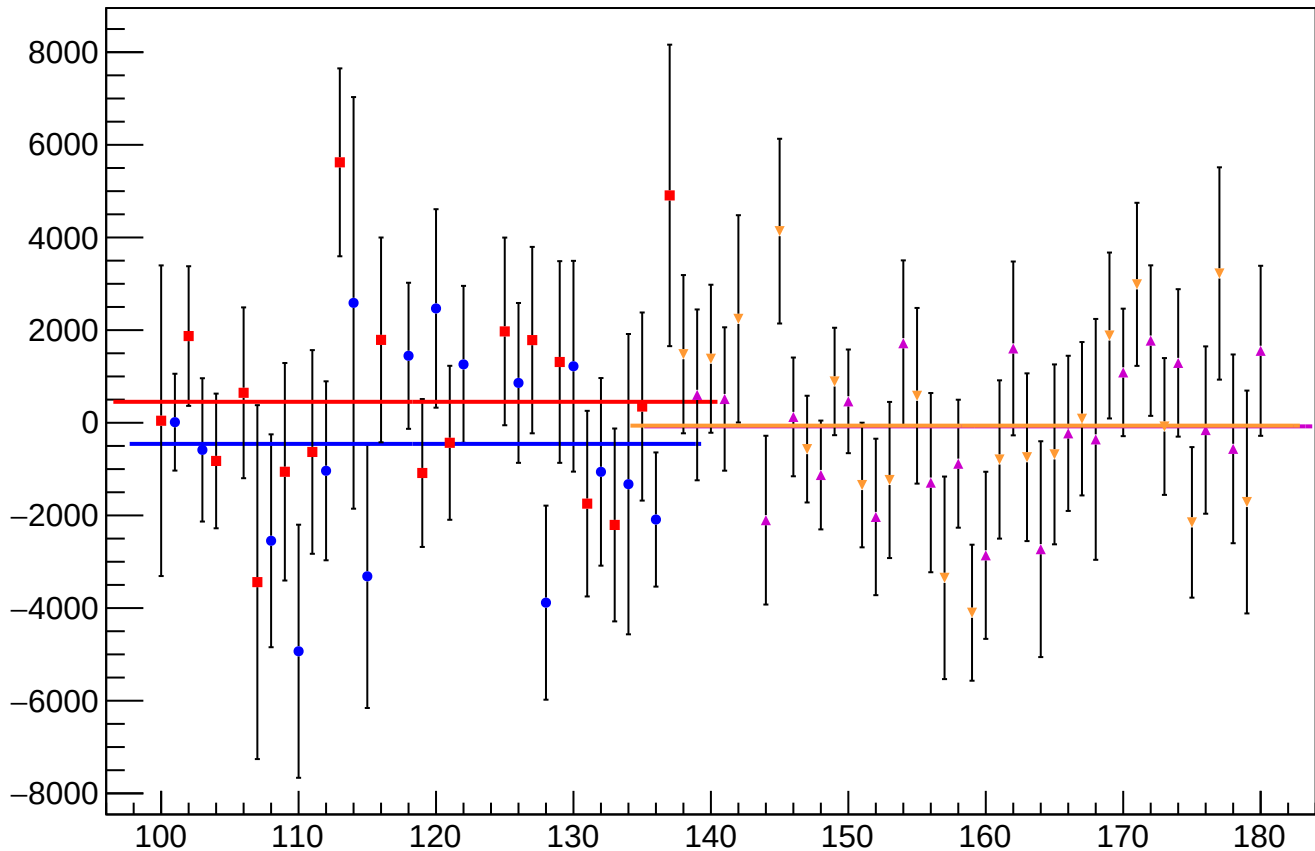
Left In: 790.011 $\pm$ 0.138 χ^2 /NDF:10974.0/20

+ sign 790.135 $\pm$ 0.117 χ^2 /NDF: 25819.5/36

All: 790.873 $\pm$ 0.082 χ^2 /NDF: 48874.5/75

- sign 791.588 $\pm$ 0.116 χ^2 /NDF: 22977.3/38

asym_us_avg_correction_mean vs Slug



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

Left Out: -61.779+/-361.506 χ^2/NDF : 28.1/20

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

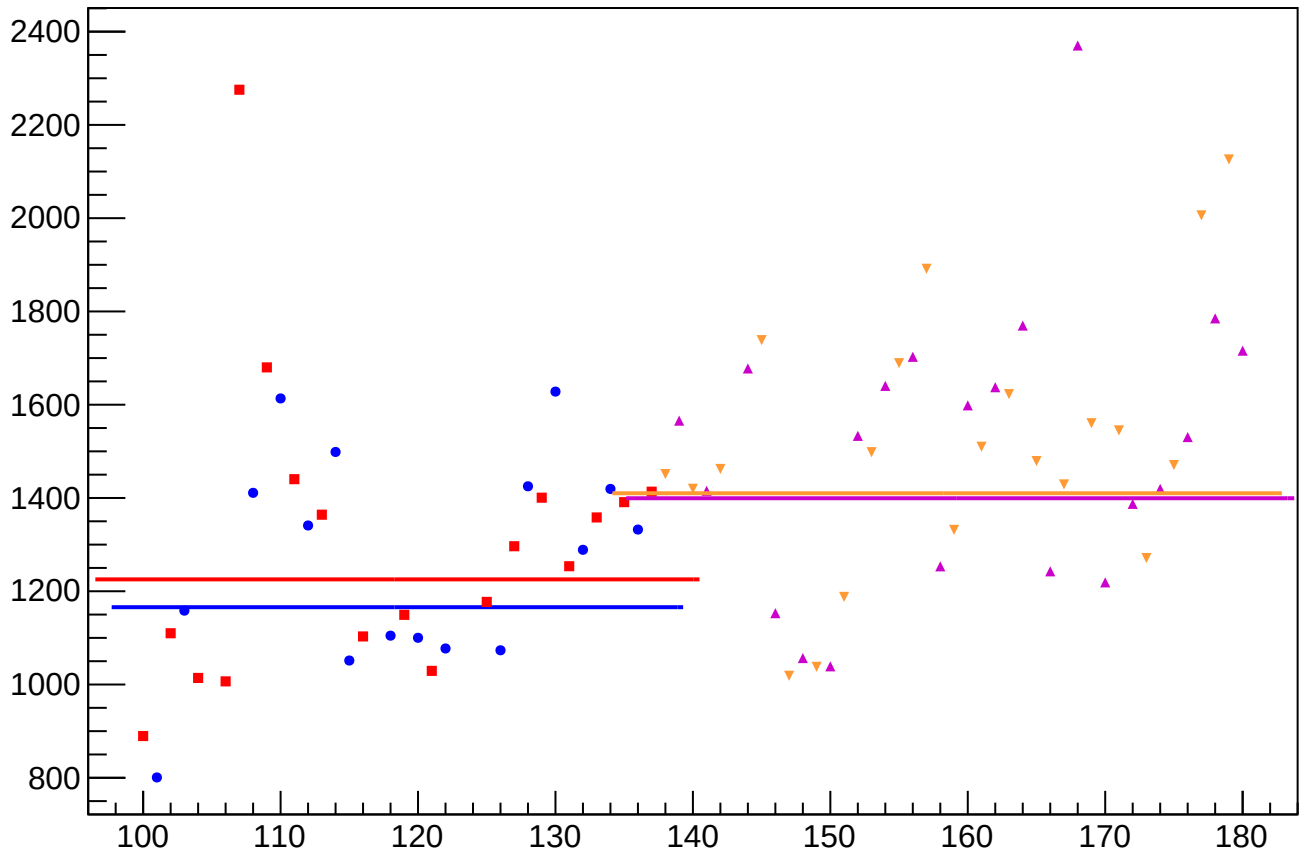
Left In: -77.643+/-352.985 χ^2/NDF : 13.8/20

+ sign -210.471+/-285.225 χ^2/NDF : 43.4/36

All: -47.799+/-200.837 χ^2/NDF : 76.0/75

- sign 112.166+/-282.842 χ^2/NDF : 31.9/38

asym_us_avg_correction_rms vs Slug



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

Left Out: 1410.150+/-0.256 χ^2/NDF : 1095280.1/20

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

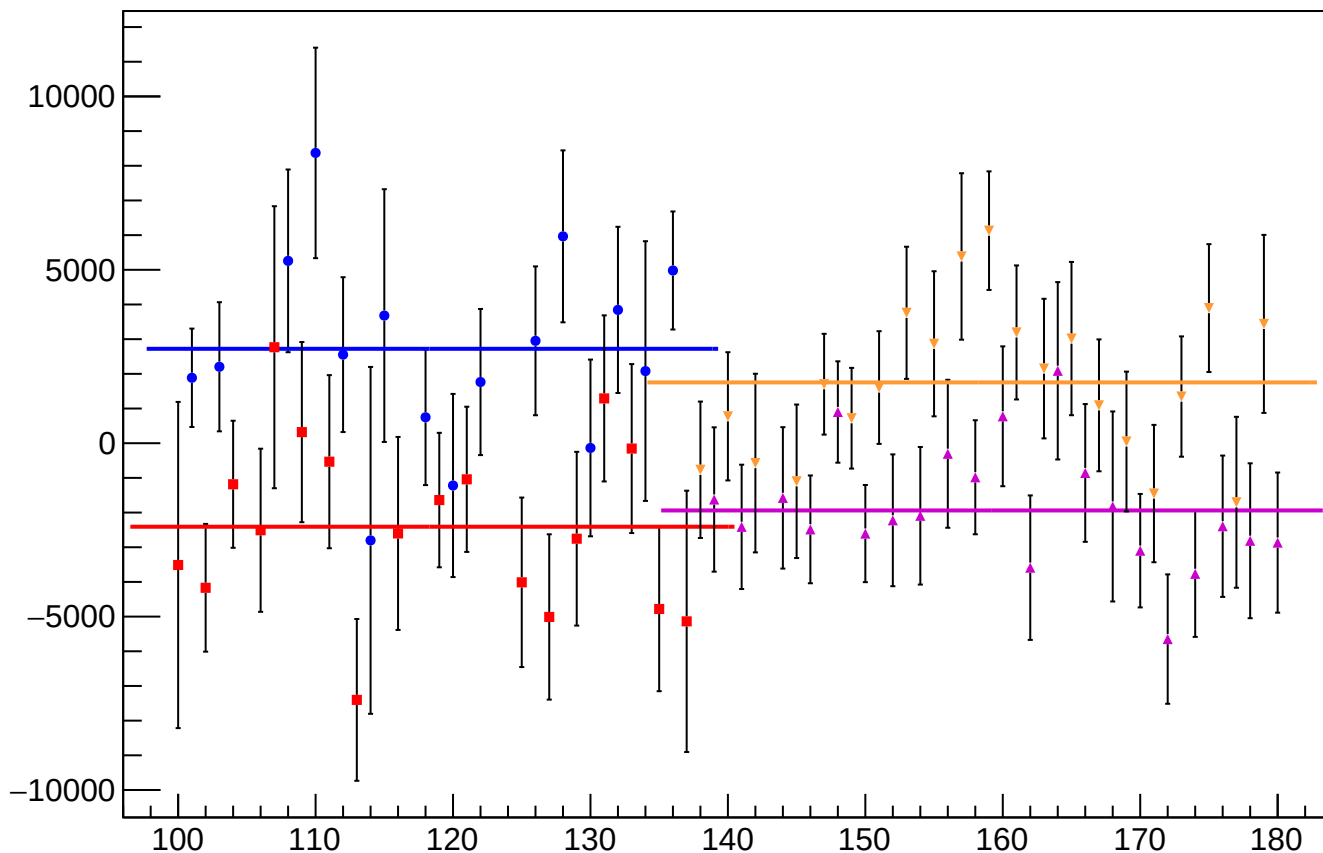
Left In: 1399.427+/-0.250 χ^2/NDF : 1215163.3/20

+ sign 1317.915+/-0.202 χ^2/NDF : 1966977.2/36

All: 1327.615+/-0.142 χ^2/NDF : 3801057.6/75

- sign 1337.154+/-0.200 χ^2/NDF : 1829492.3/38

asym_us_avg_mean vs Slug



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

Left Out: 1753.065 $\pm$ 419.141 χ^2 /NDF:23.3/20

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

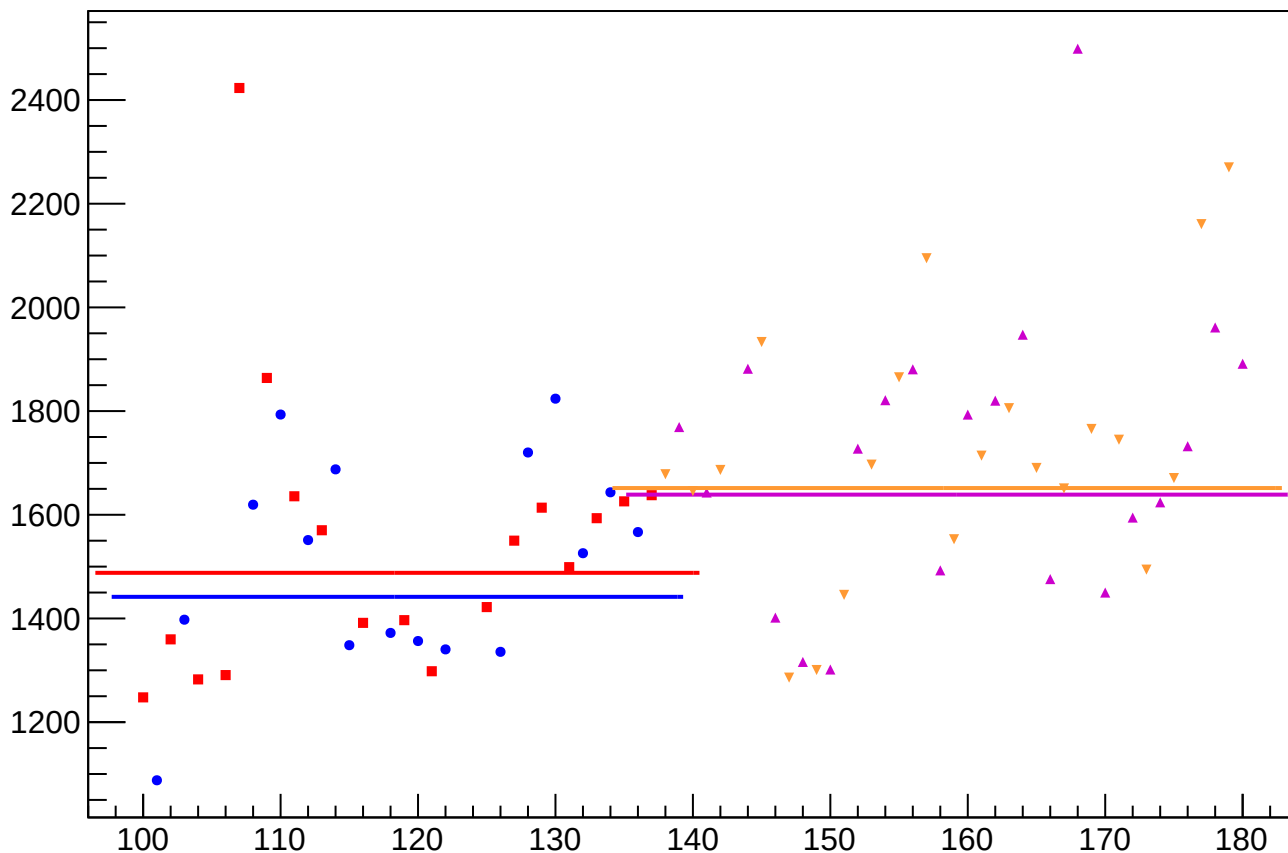
Left In: -1938.915 $\pm$ 409.610 χ^2 /NDF:16.3/20

+ sign 2095.437 $\pm$ 337.080 χ^2 /NDF: 39.8/36

All: -31.027 $\pm$ 236.689 χ^2 /NDF: 151.3/75

- sign -2099.191 $\pm$ 332.427 χ^2 /NDF: 33.0/38

asym_us_avg_rms vs Slug



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

Left Out: 1651.560+/-0.296 χ^2/NDF : 649075.3/20

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

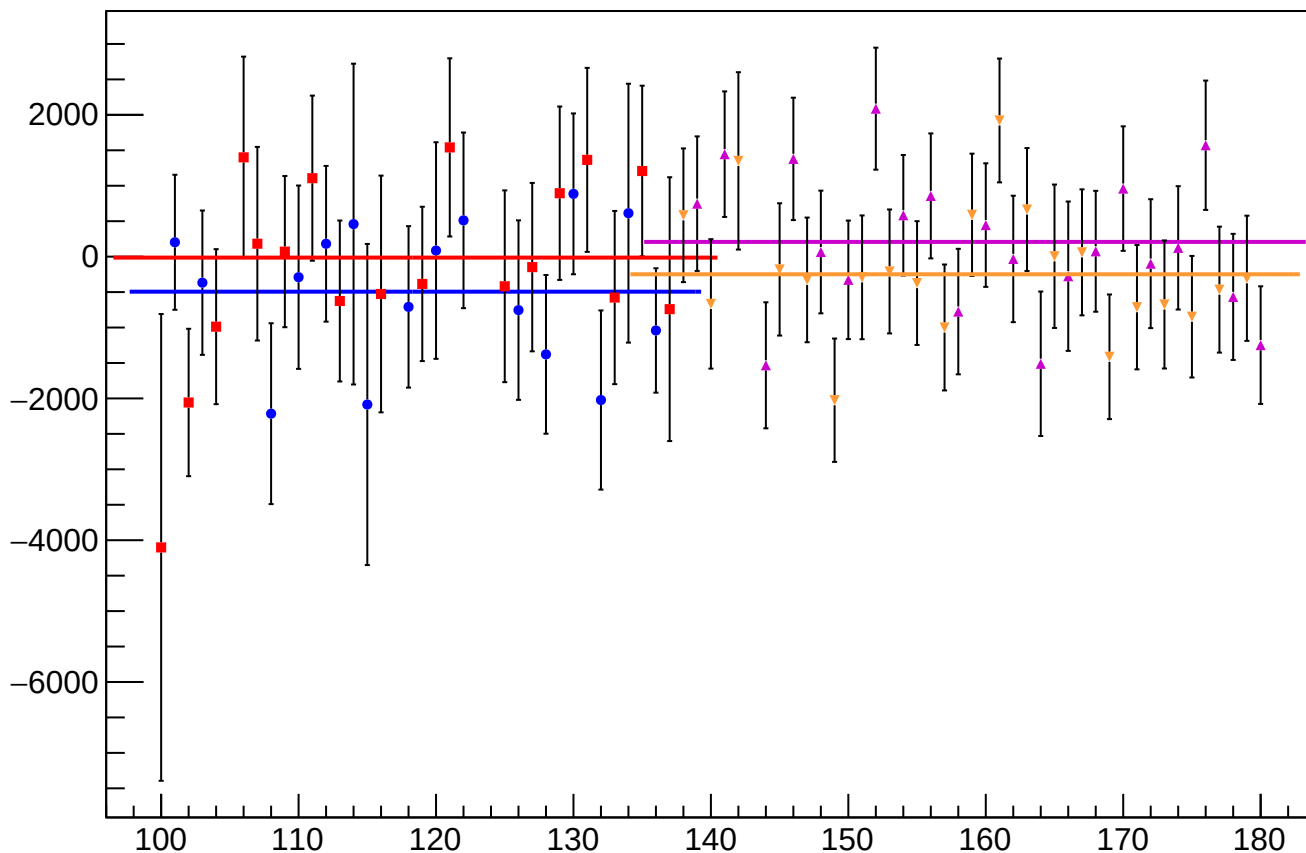
Left In: 1638.854+/-0.290 χ^2/NDF : 730539.8/20

+ sign 1577.437+/-0.238 χ^2/NDF : 1102050.4/36

All: 1582.472+/-0.167 χ^2/NDF : 2182179.0/75

- sign 1587.368+/-0.235 χ^2/NDF : 1079248.5/38

reg_asym_us_dd_mean vs Slug



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

Left Out: -248.669+/-196.538 χ^2/NDF : 18.8/20

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

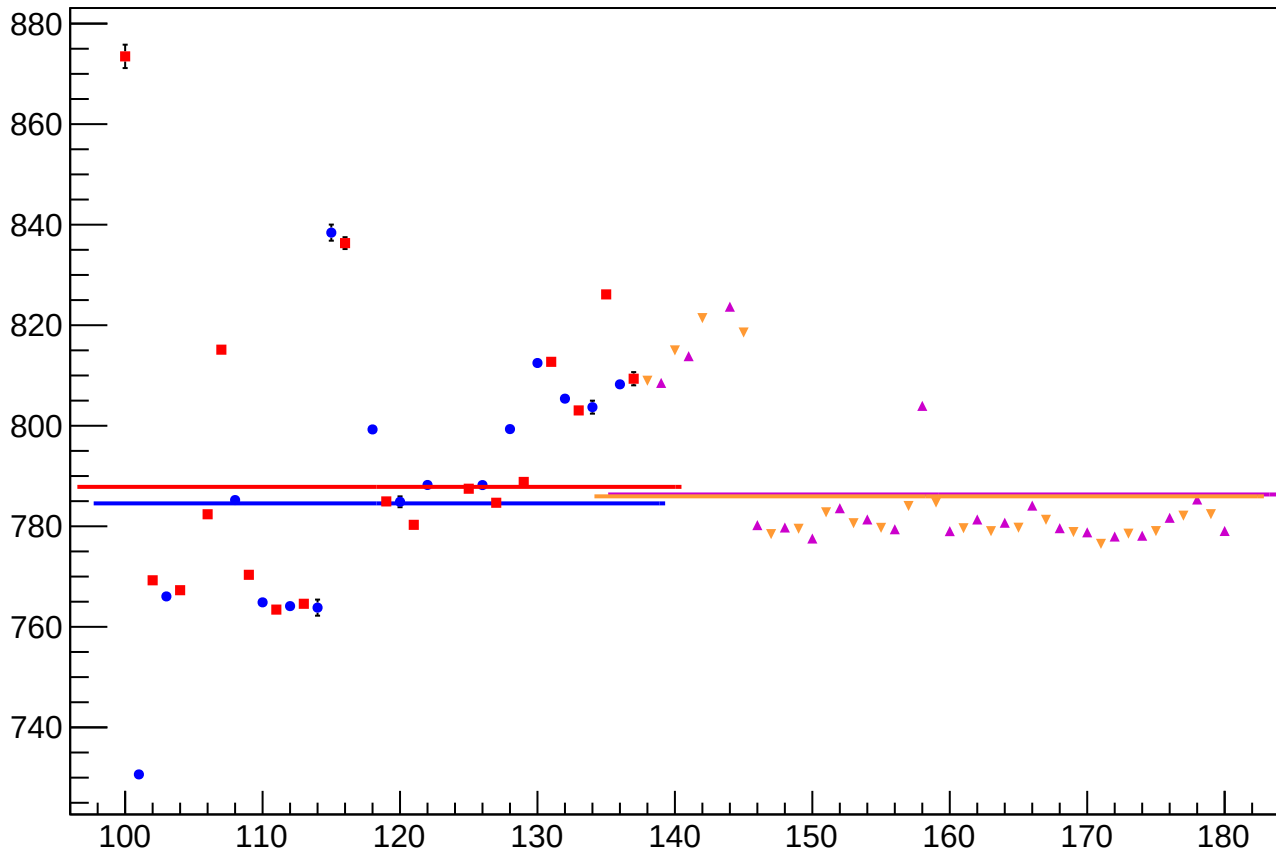
Left In: 207.907+/-193.835 χ^2/NDF : 25.3/20

+ sign -320.834+/-165.152 χ^2/NDF : 27.9/36

All: -85.593+/-115.810 χ^2/NDF : 70.9/75

- sign 141.997+/-162.444 χ^2/NDF : 39.0/38

reg_asym_us_dd_rms vs Slug



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

Left Out: 785.959 $\pm$ 0.139 χ^2 /NDF: 8795.0/20

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

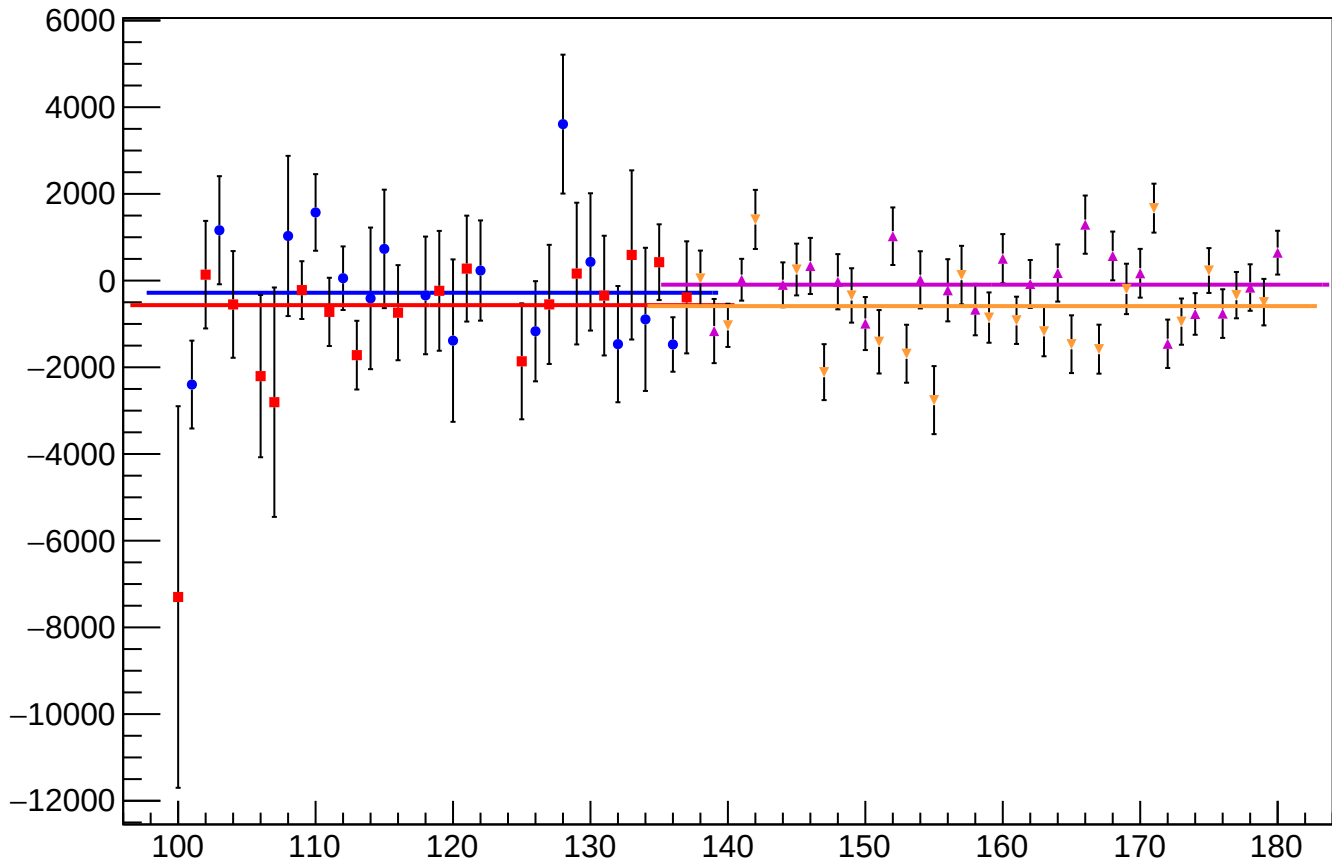
Left In: 786.332 $\pm$ 0.137 χ^2 /NDF: 9091.6/20

+ sign 785.547 $\pm$ 0.117 χ^2 /NDF: 22502.6/36

All: 786.175 $\pm$ 0.082 χ^2 /NDF: 42596.2/75

- sign 786.782 $\pm$ 0.115 χ^2 /NDF: 20036.8/38

asym_us_dd_correction_mean vs Slug



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

Left Out: -588.573 ± 129.822 χ^2/NDF : 57.0/20

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

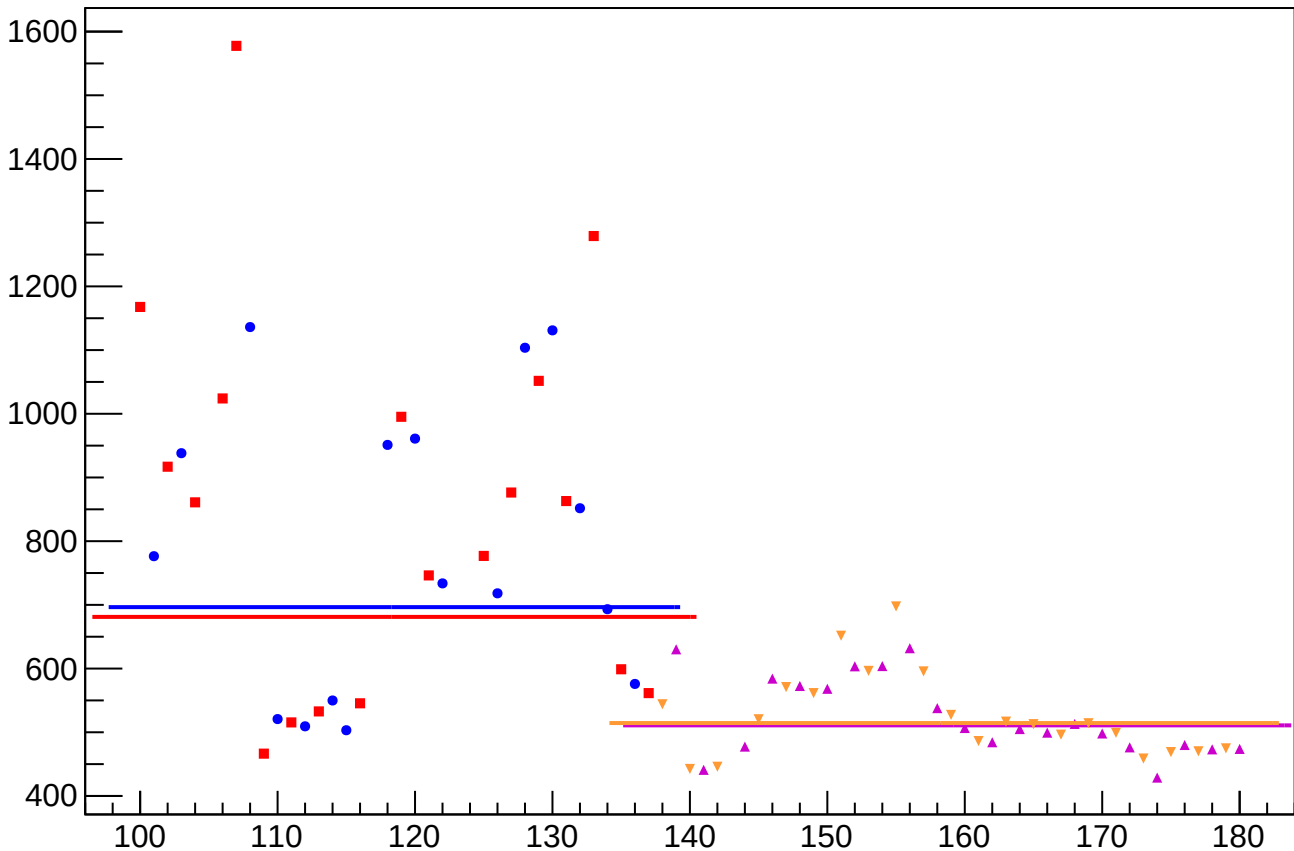
Left In: -94.245 ± 126.941 χ^2/NDF : 27.2/20

+ sign -534.880 ± 117.963 χ^2/NDF : 81.1/36

All: -352.160 ± 82.380 χ^2/NDF : 125.4/75

- sign -178.210 ± 115.097 χ^2/NDF : 39.6/38

asym_us_dd_correction_rms vs Slug



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

Left Out: 514.477 $\pm$ 0.092 χ^2 /NDF: 402960.0/20

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

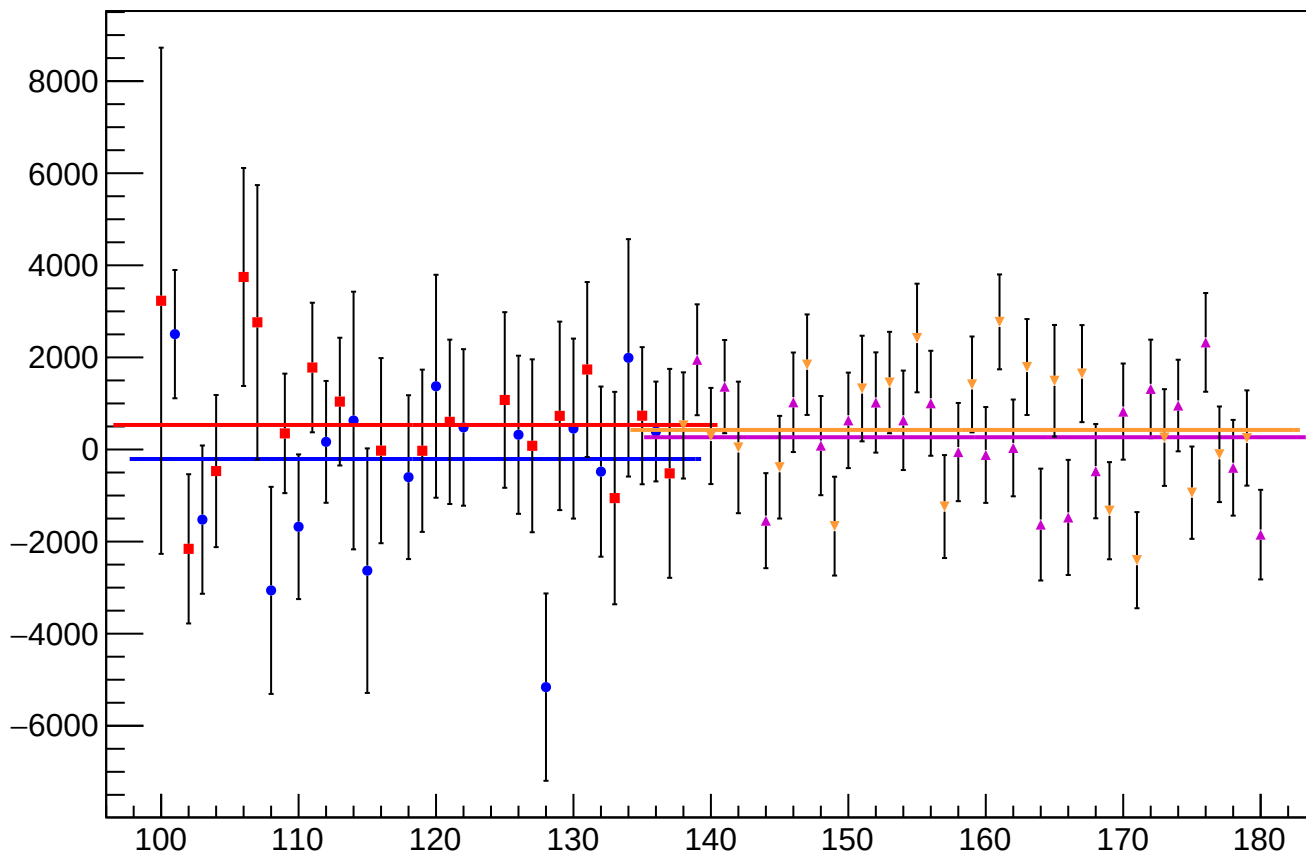
Left In: 510.848 $\pm$ 0.090 χ^2 /NDF: 403478.3/20

+ sign 546.208 $\pm$ 0.083 χ^2 /NDF: 2047702.4/36

All: 543.612 $\pm$ 0.058 χ^2 /NDF: 4445836.9/75

- sign 541.140 $\pm$ 0.081 χ^2 /NDF: 2396243.6/38

asym_us_dd_mean vs Slug



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

Left Out: 425.024 ± 237.568 χ^2/NDF : 34.9/20

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

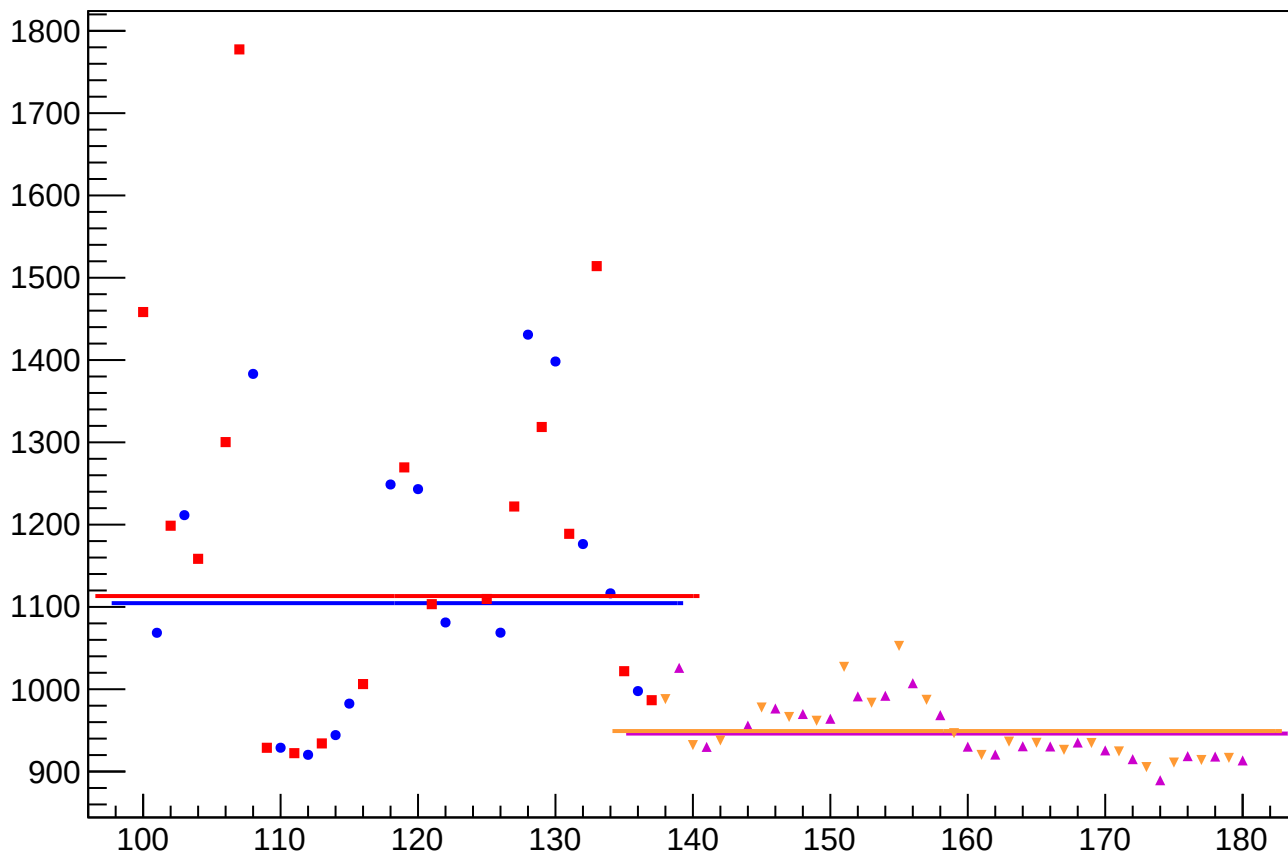
Left In: 266.312 ± 233.392 χ^2/NDF : 23.6/20

+ sign 279.333 ± 208.365 χ^2/NDF : 52.3/36

All: 303.878 ± 146.063 χ^2/NDF : 84.3/75

- sign 327.593 ± 204.811 χ^2/NDF : 32.0/38

asym_us_dd_rms vs Slug



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

Left Out: 949.173 $\pm$ 0.168 χ^2 /NDF: 49190.7/20

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

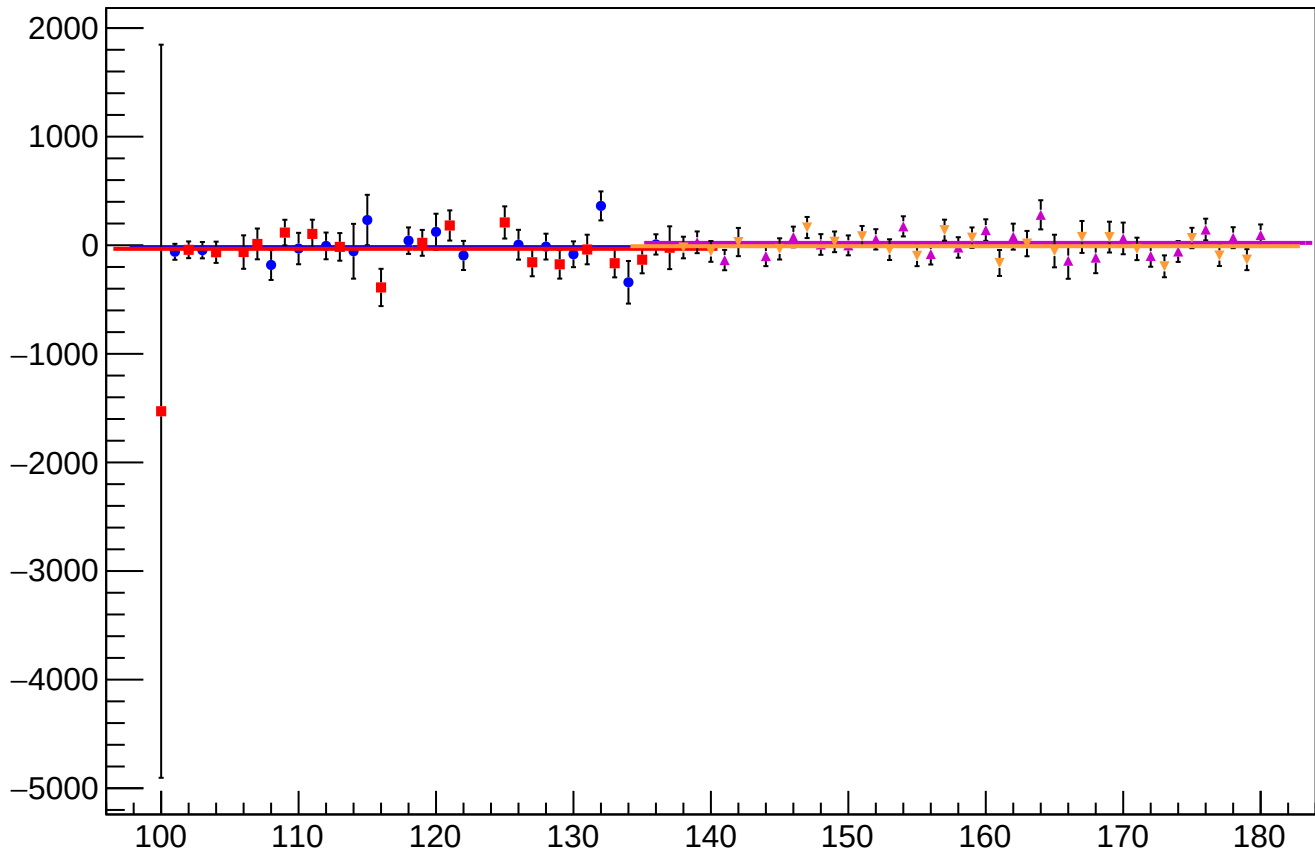
Left In: 946.132 $\pm$ 0.165 χ^2 /NDF: 42824.2/20

+ sign 985.036 $\pm$ 0.147 χ^2 /NDF: 502196.7/36

All: 984.788 $\pm$ 0.103 χ^2 /NDF: 1143681.7/75

- sign 984.549 $\pm$ 0.145 χ^2 /NDF: 641479.4/38

reg_asym_ds_avg_mean vs Slug



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

Left Out: -8.819 ± 22.682 χ^2/NDF : 17.6/20

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

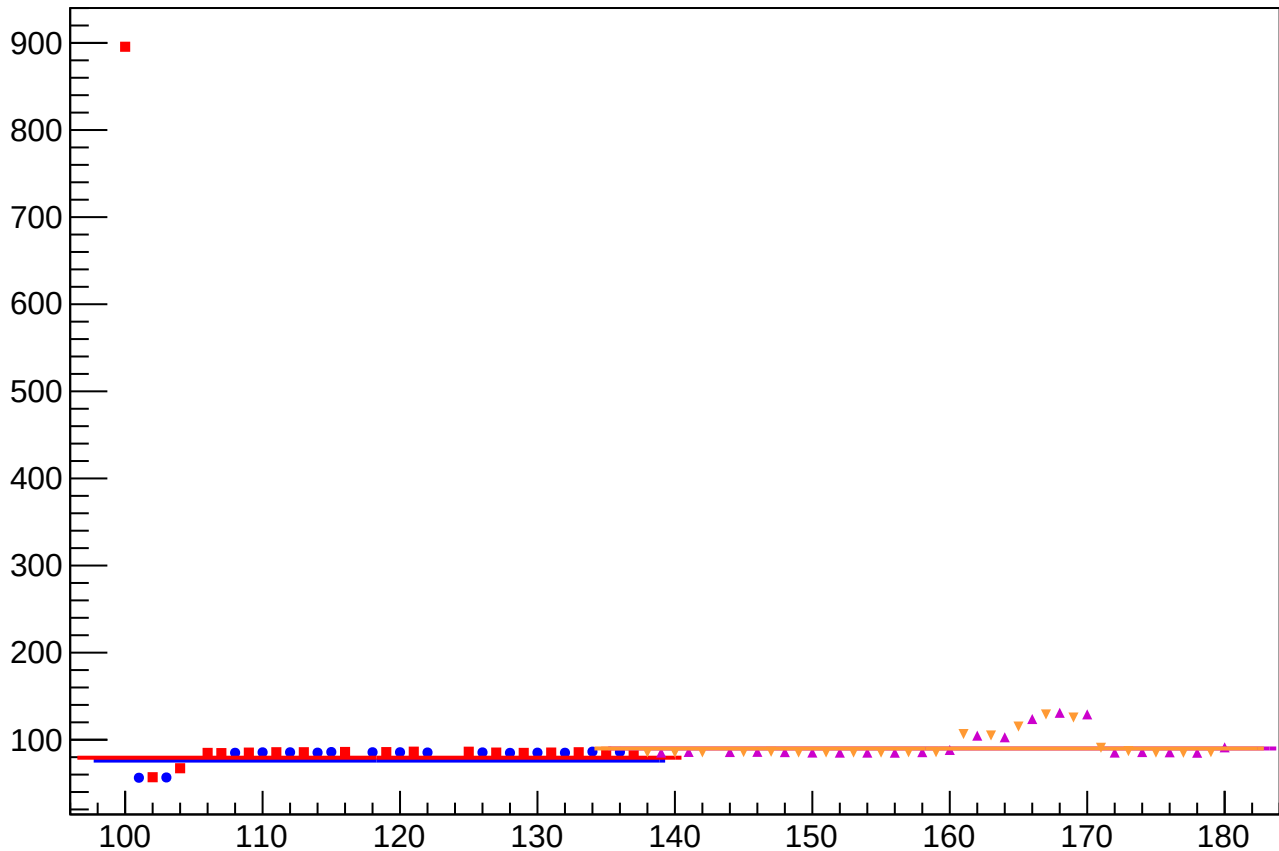
Left In: 21.747 ± 22.357 χ^2/NDF : 20.9/20

+ sign -11.882 ± 18.090 χ^2/NDF : 33.3/36

All: -4.610 ± 12.767 χ^2/NDF : 73.1/75

- sign 2.606 ± 18.020 χ^2/NDF : 39.5/38

reg_asym_ds_avg_rms vs Slug



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

Left Out: 89.997 $\pm$ 0.016 χ^2 /NDF: 456630.4/20

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

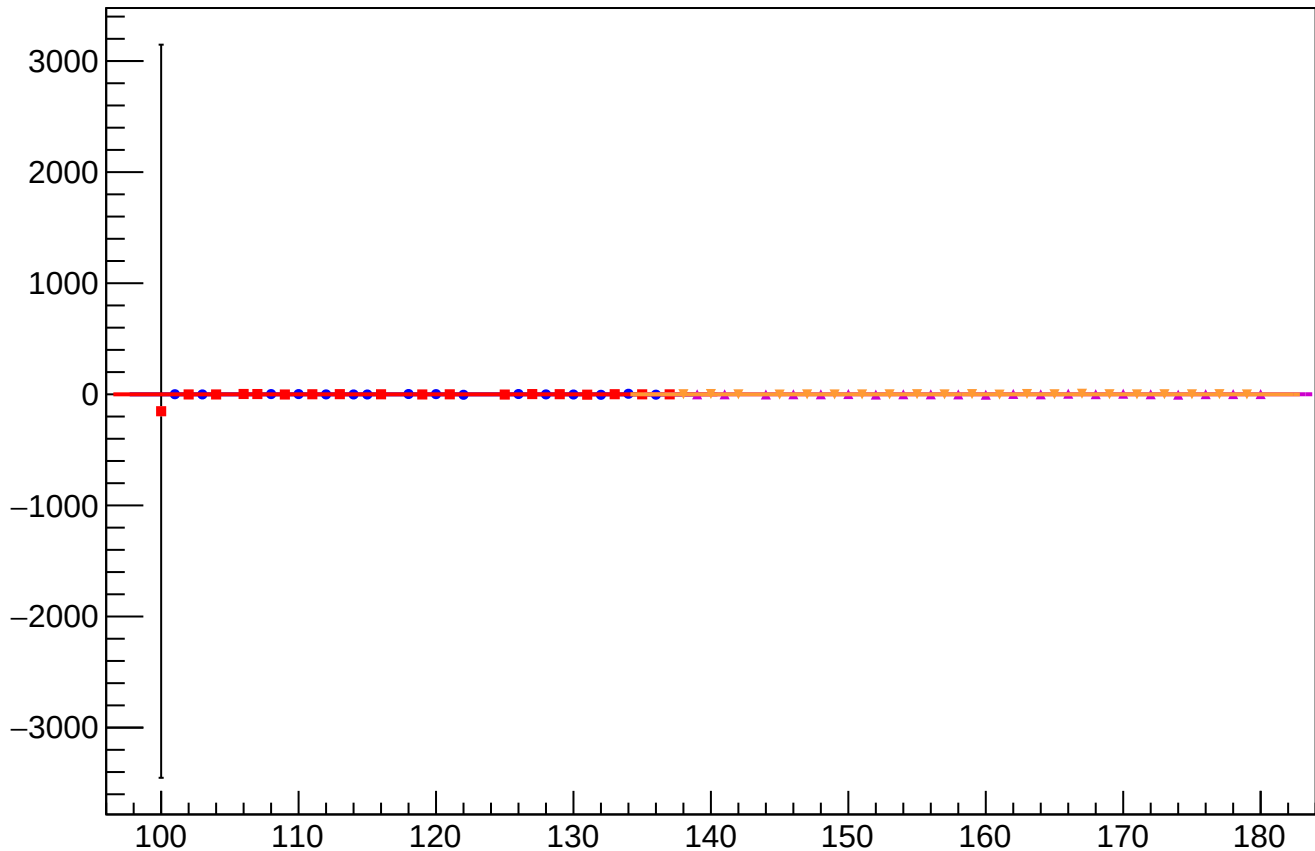
Left In: 89.973 $\pm$ 0.016 χ^2 /NDF: 500084.0/20

+ sign 84.932 $\pm$ 0.013 χ^2 /NDF: 1139822.4/36

All: 85.602 $\pm$ 0.009 χ^2 /NDF: 2180897.8/75

- sign 86.266 $\pm$ 0.013 χ^2 /NDF: 1035618.0/38

asym_ds_avg_correction_mean vs Slug



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

Left Out: 0.022 ± 0.396 χ^2/NDF : 13.7/20

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

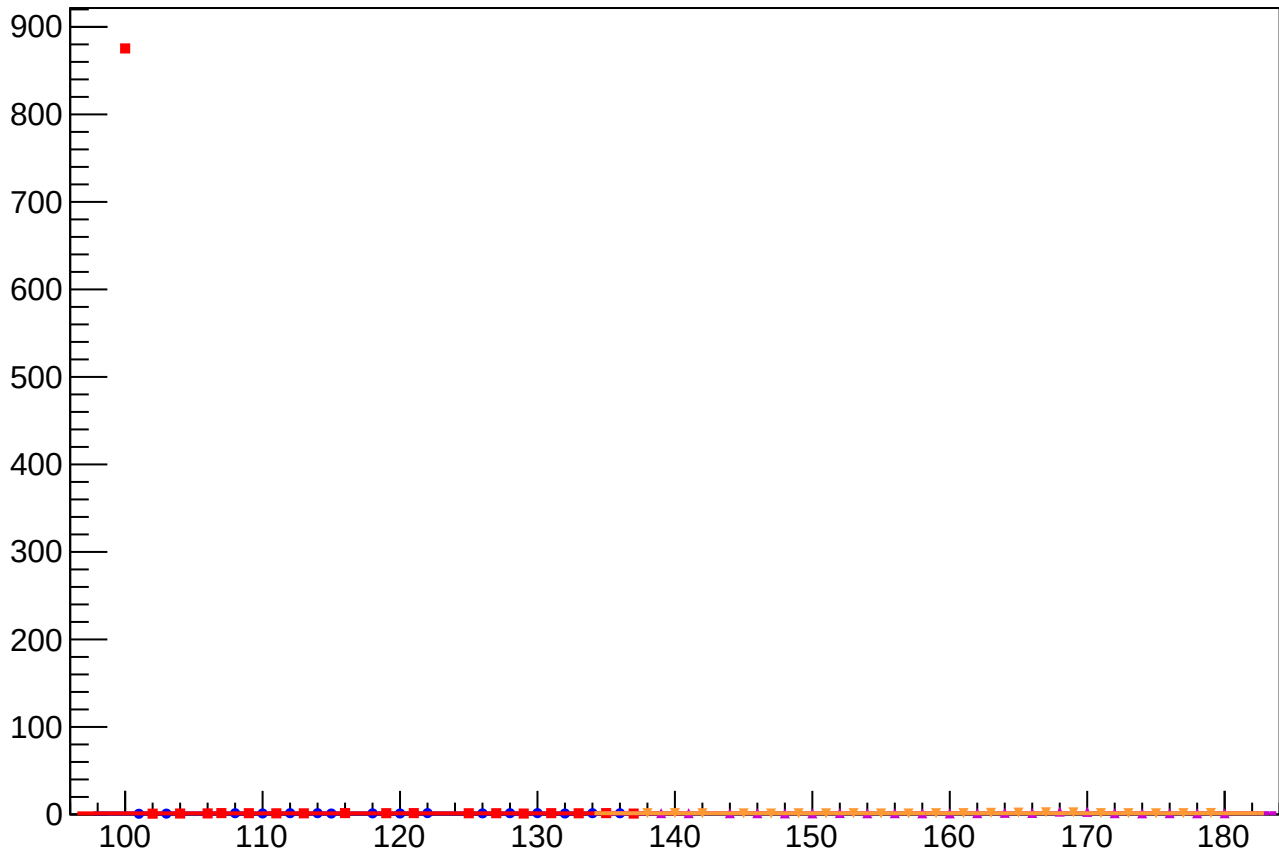
Left In: 0.535 ± 0.400 χ^2/NDF : 26.3/20

+ sign -0.094 ± 0.310 χ^2/NDF : 35.1/36

All: 0.102 ± 0.222 χ^2/NDF : 72.1/75

- sign 0.307 ± 0.317 χ^2/NDF : 36.1/38

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.401 $\pm$ 0.000 χ^2 /NDF: 940783.4/20

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

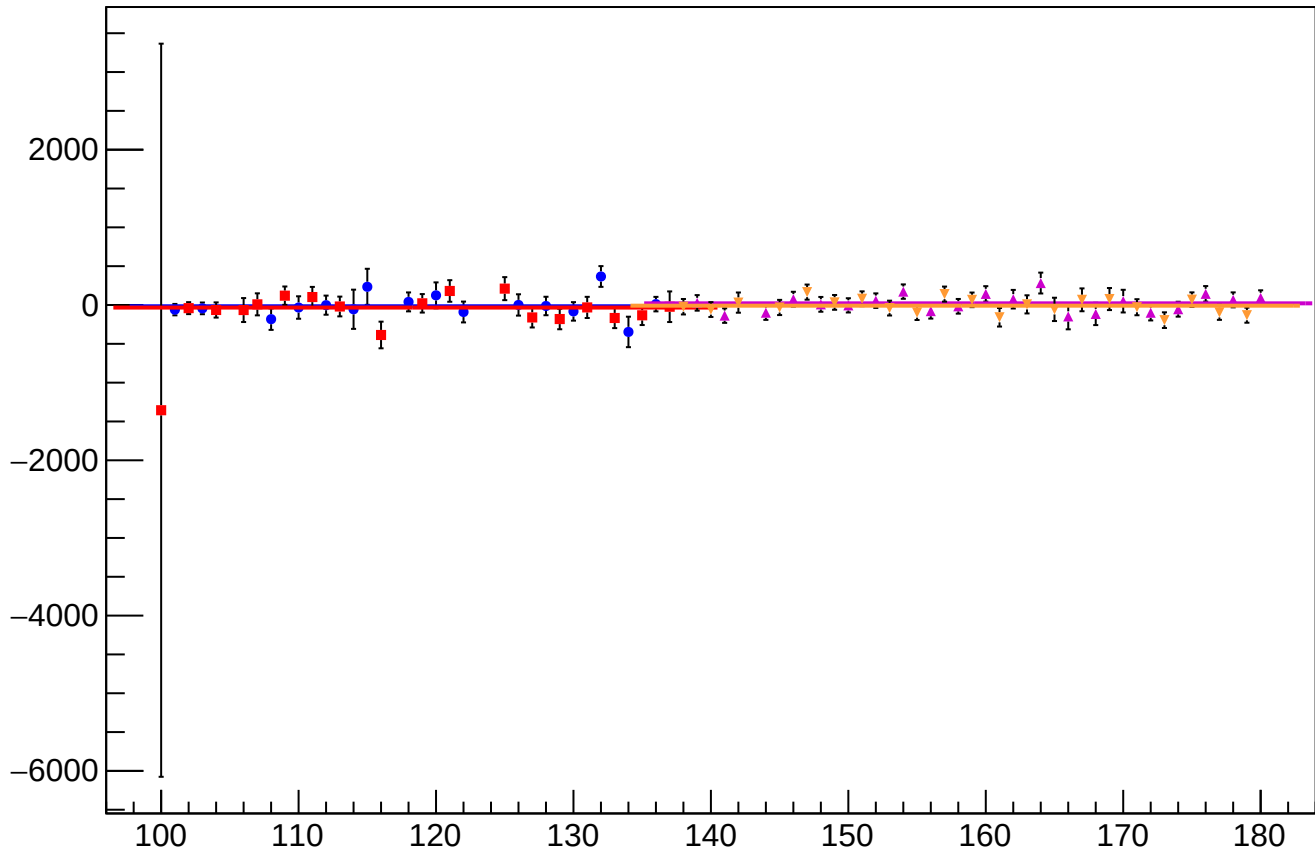
Left In: 1.454 $\pm$ 0.000 χ^2 /NDF: 994576.2/20

+ sign 1.306 $\pm$ 0.000 χ^2 /NDF: 1757870.8/36

All: 1.341 $\pm$ 0.000 χ^2 /NDF: 3520034.1/75

- sign 1.377 $\pm$ 0.000 χ^2 /NDF: 1710078.2/38

asym_ds_avg_mean vs Slug



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

Left Out: -8.829 ± 22.689 χ^2/NDF : 17.6/20

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

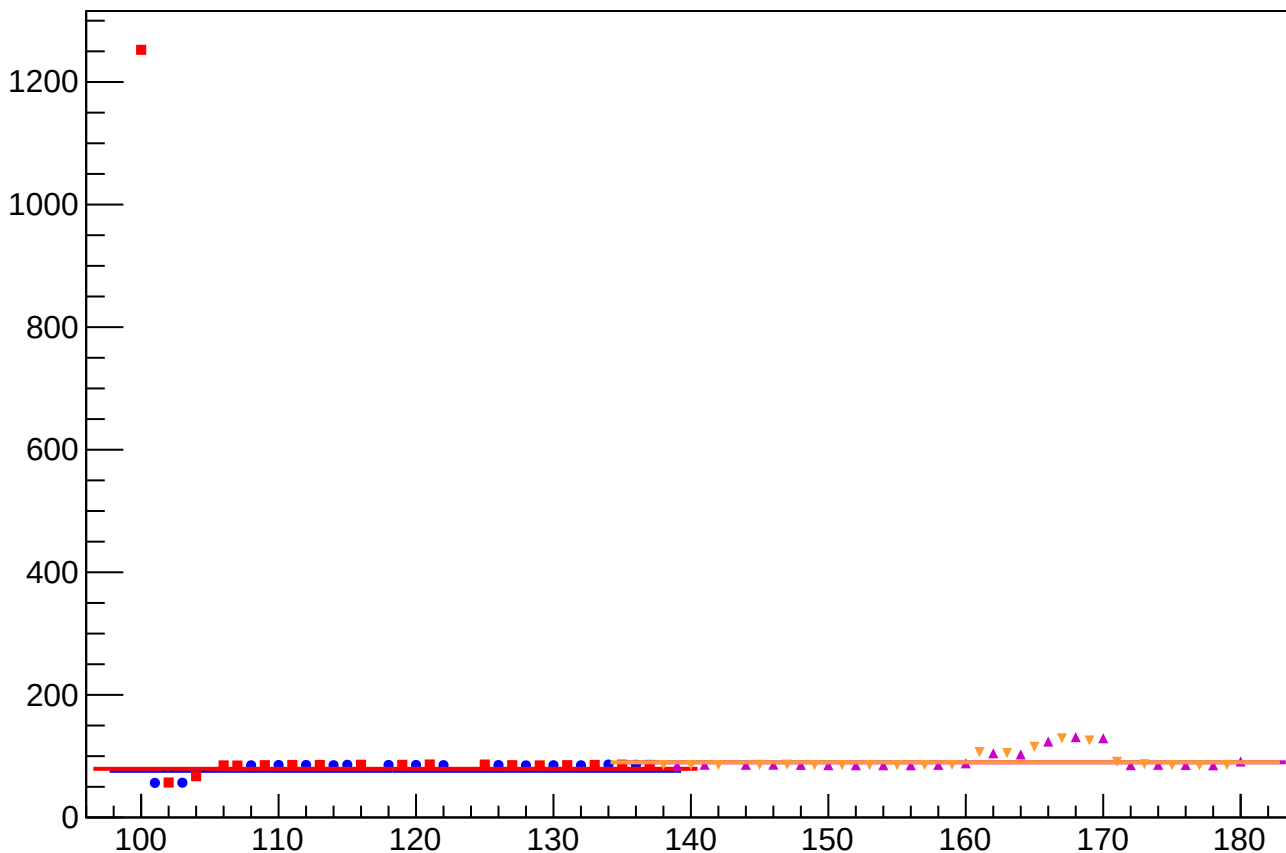
Left In: 21.326 ± 22.364 χ^2/NDF : 20.7/20

+ sign -11.552 ± 18.096 χ^2/NDF : 33.5/36

All: -4.622 ± 12.771 χ^2/NDF : 73.1/75

- sign 2.254 ± 18.026 χ^2/NDF : 39.3/38

asym_ds_avg_rms vs Slug



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

Left Out: 90.023+/-0.016 χ^2/NDF : 457364.9/20

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

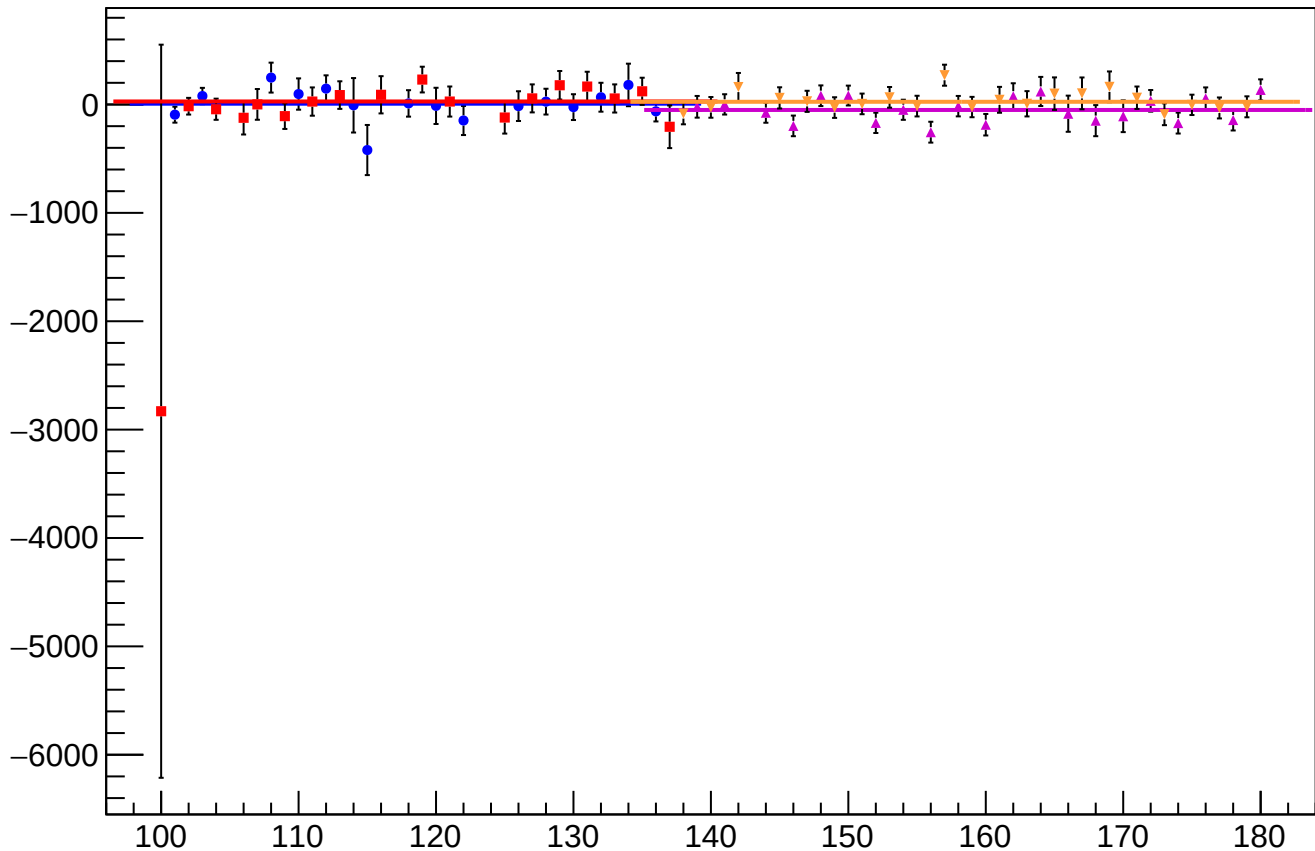
Left In: 90.000+/-0.016 χ^2/NDF : 500961.1/20

+ sign 84.956+/-0.013 χ^2/NDF : 1140701.1/36

All: 85.623+/-0.009 χ^2/NDF : 2189734.9/75

- sign 86.284+/-0.013 χ^2/NDF : 1043623.5/38

reg_asym_ds_dd_mean vs Slug



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

Left Out: 24.988 ± 22.687 χ^2/NDF : 13.7/20

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

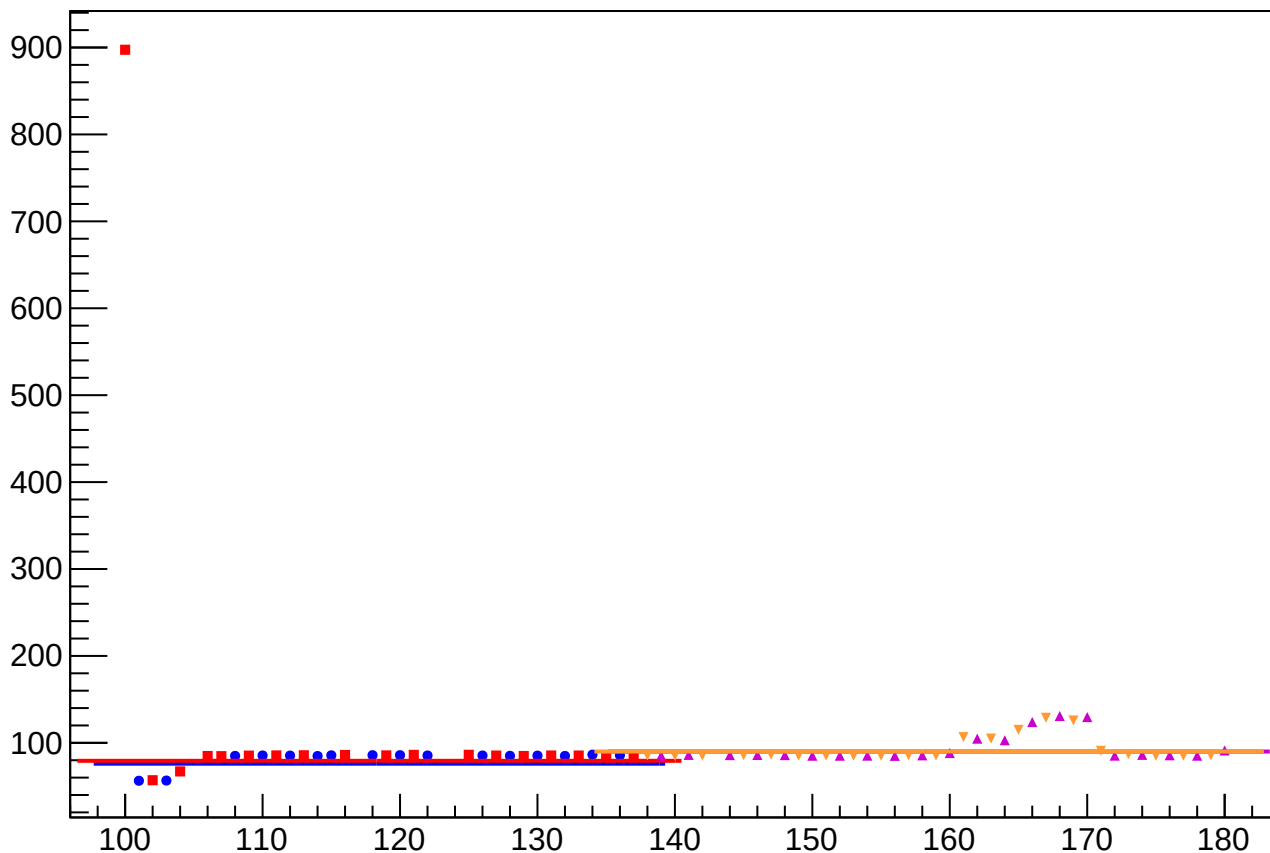
Left In: -50.505 ± 22.366 χ^2/NDF : 26.4/20

+ sign 18.603 ± 18.088 χ^2/NDF : 27.9/36

All: -2.274 ± 12.767 χ^2/NDF : 73.8/75

- sign -22.996 ± 18.021 χ^2/NDF : 43.2/38

reg_asym_ds_dd_rms vs Slug



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

Left Out: 90.014 $\pm$ 0.016 χ^2 /NDF: 455428.0/20

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

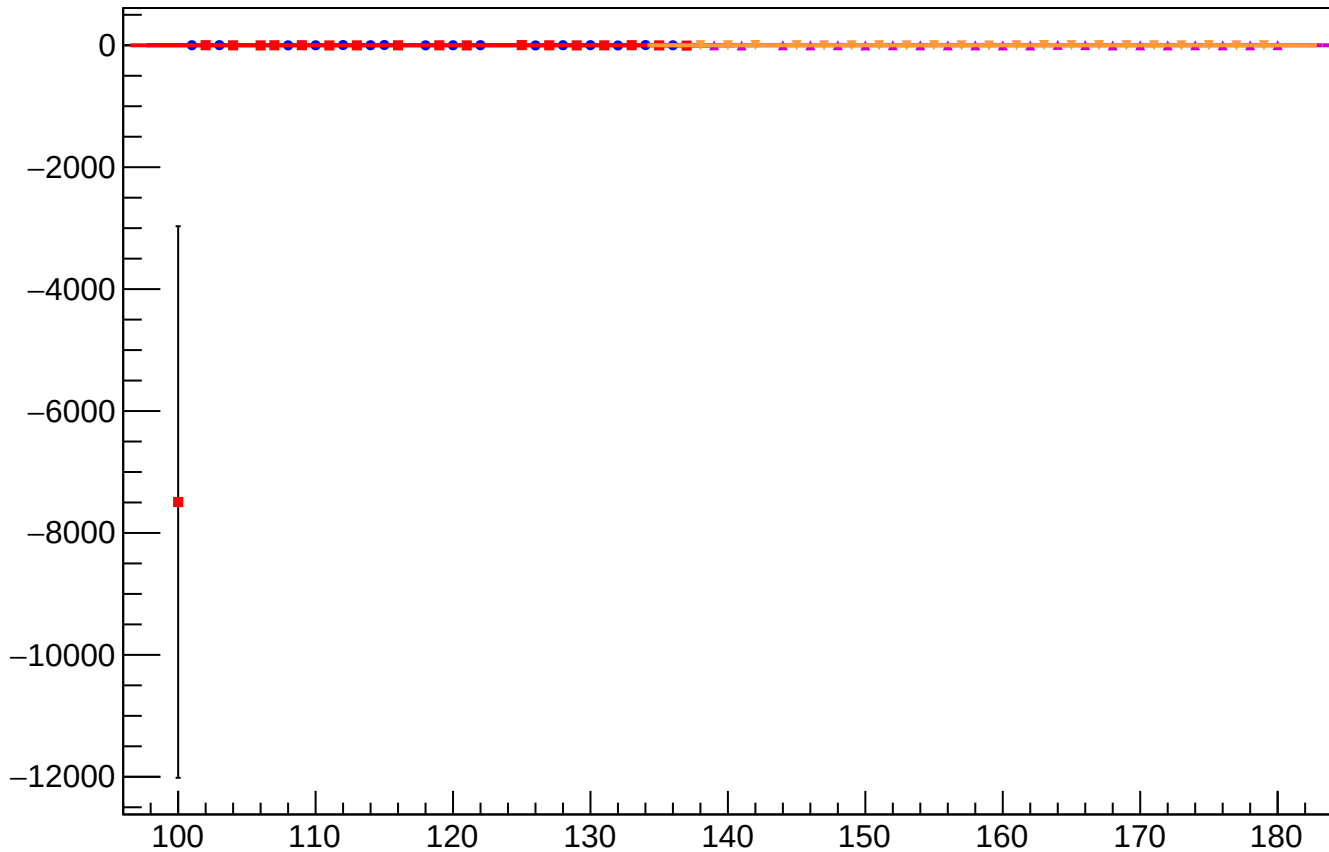
Left In: 90.004 $\pm$ 0.016 χ^2 /NDF: 502659.0/20

+ sign 84.920 $\pm$ 0.013 χ^2 /NDF: 1141103.6/36

All: 85.595 $\pm$ 0.009 χ^2 /NDF: 2187124.4/75

- sign 86.264 $\pm$ 0.013 χ^2 /NDF: 1040480.3/38

asym_ds_dd_correction_mean vs Slug



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

Left Out: -0.387 ± 0.407 χ^2/NDF : 18.7/20

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

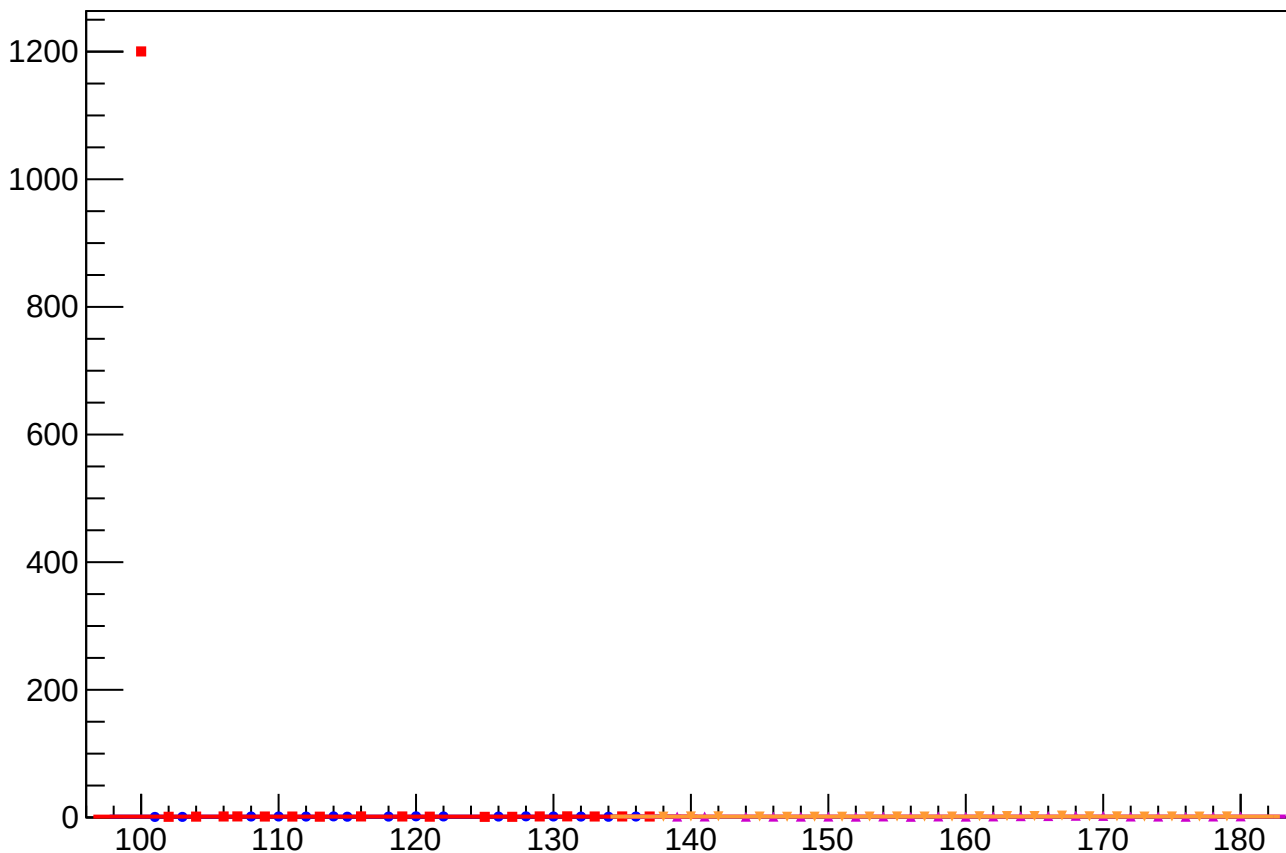
Left In: 0.072 ± 0.403 χ^2/NDF : 17.6/20

+ sign 0.091 ± 0.323 χ^2/NDF : 34.5/36

All: 0.014 ± 0.229 χ^2/NDF : 65.1/75

- sign -0.063 ± 0.325 χ^2/NDF : 30.6/38

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.449 $\pm$ 0.000 χ^2 /NDF:1061616.8/20

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

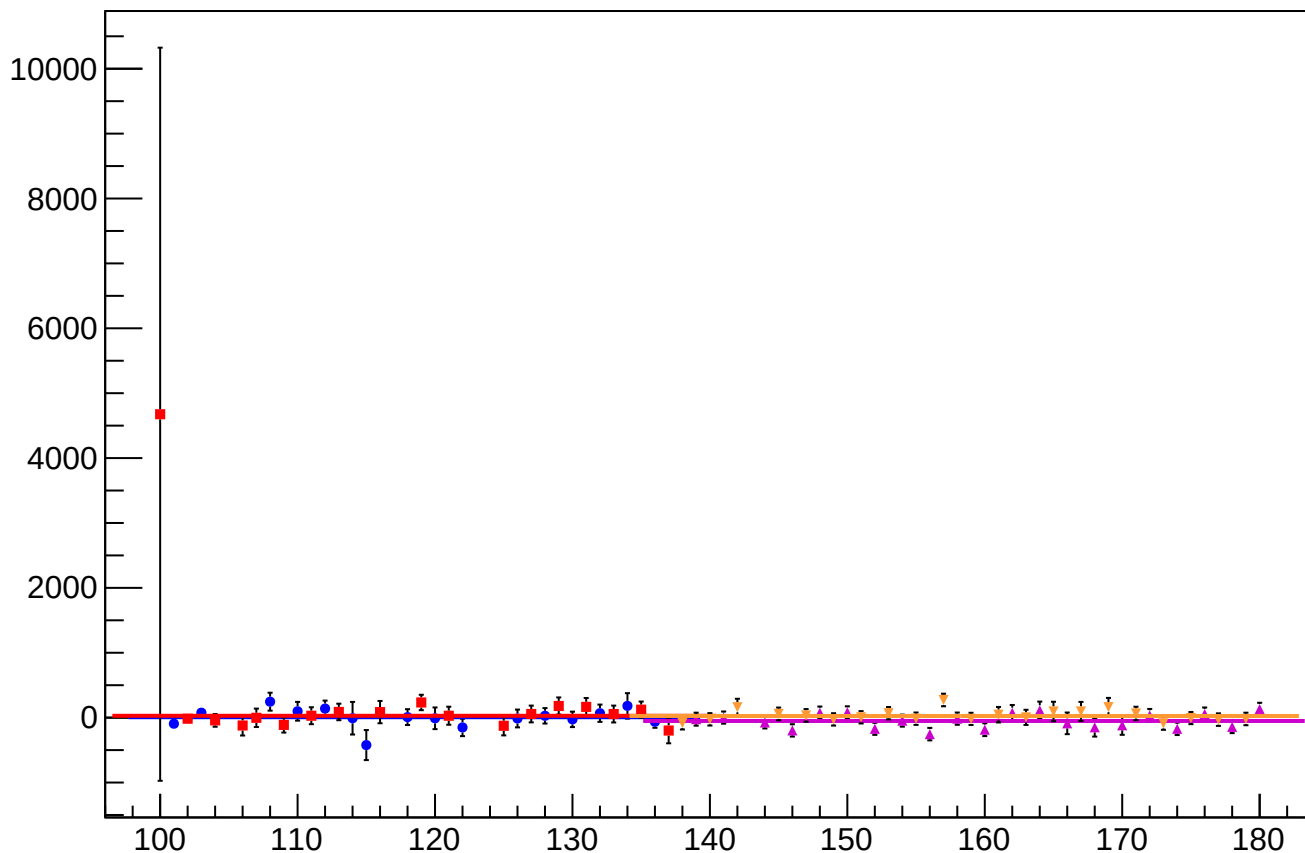
Left In: 1.460 $\pm$ 0.000 χ^2 /NDF:1042906.6/20

+ sign 1.371 $\pm$ 0.000 χ^2 /NDF: 1917883.3/36

All: 1.390 $\pm$ 0.000 χ^2 /NDF: 3584276.0/75

- sign 1.410 $\pm$ 0.000 χ^2 /NDF: 1651947.6/38

asym_ds_dd_mean vs Slug



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

Left Out: 25.649 ± 22.694 χ^2/NDF : 13.6/20

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

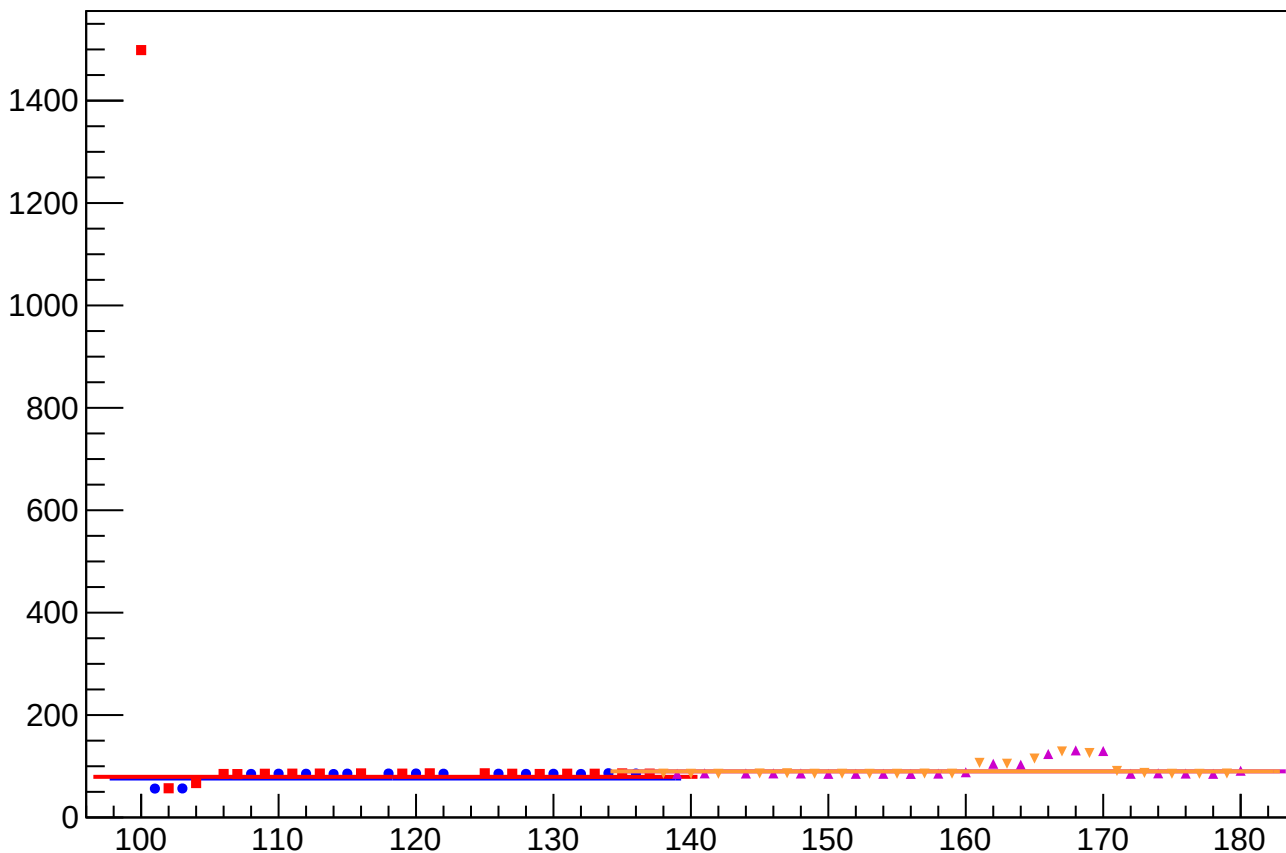
Left In: -51.063 ± 22.373 χ^2/NDF : 26.0/20

+ sign 18.775 ± 18.094 χ^2/NDF : 27.7/36

All: -2.258 ± 12.770 χ^2/NDF : 73.5/75

- sign -23.137 ± 18.027 χ^2/NDF : 43.1/38

asym_ds_dd_rms vs Slug



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

Left Out: 90.041 $\pm$ 0.016 χ^2 /NDF: 456170.2/20

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

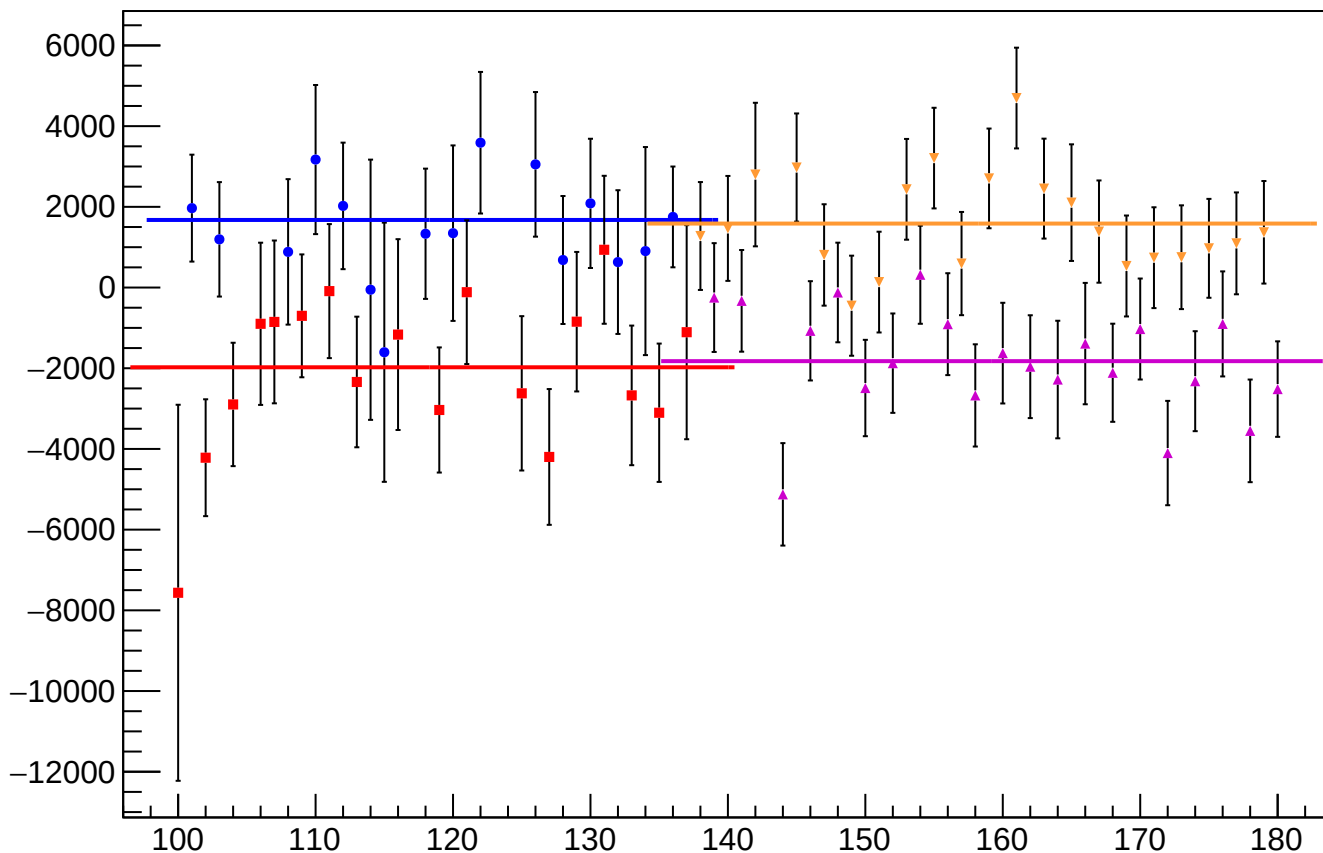
Left In: 90.031 $\pm$ 0.016 χ^2 /NDF: 503464.1/20

+ sign 84.945 $\pm$ 0.013 χ^2 /NDF: 1141978.4/36

All: 85.615 $\pm$ 0.009 χ^2 /NDF: 2198804.9/75

- sign 86.281 $\pm$ 0.013 χ^2 /NDF: 1051355.2/38

reg_asym_usl_mean vs Slug



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

Left Out: 1585.496 $\pm$ 280.692 χ^2 /NDF:18.5/20

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

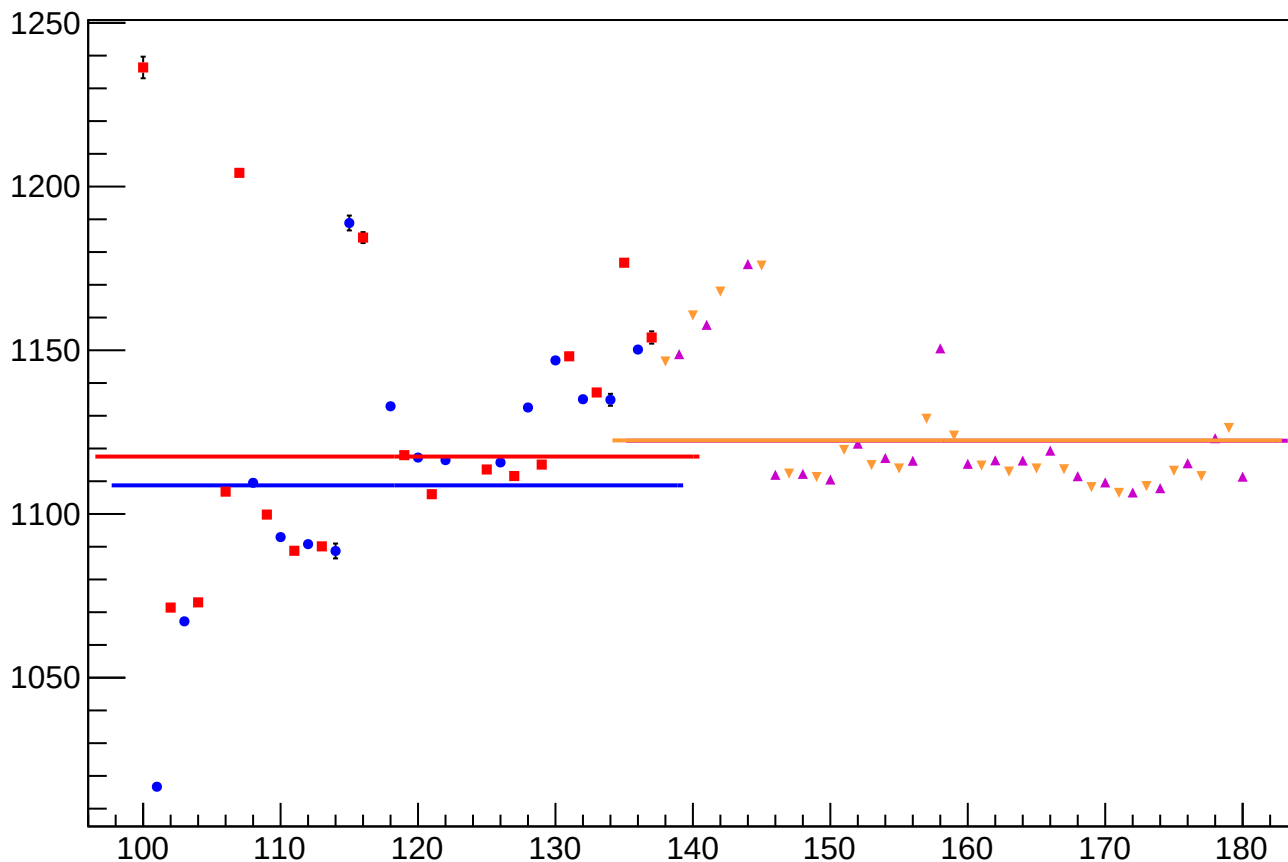
Left In: -1824.199 $\pm$ 276.672 χ^2 /NDF:22.8/20

+ sign 1612.185 $\pm$ 235.143 χ^2 /NDF: 23.6/36

All: -156.439 $\pm$ 164.948 χ^2 /NDF: 172.0/75

- sign -1869.861 $\pm$ 231.445 χ^2 /NDF: 37.0/38

reg_asym_usl_rms vs Slug



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

Left Out: 1122.472 ± 0.198 χ^2/NDF : 8849.1/20

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

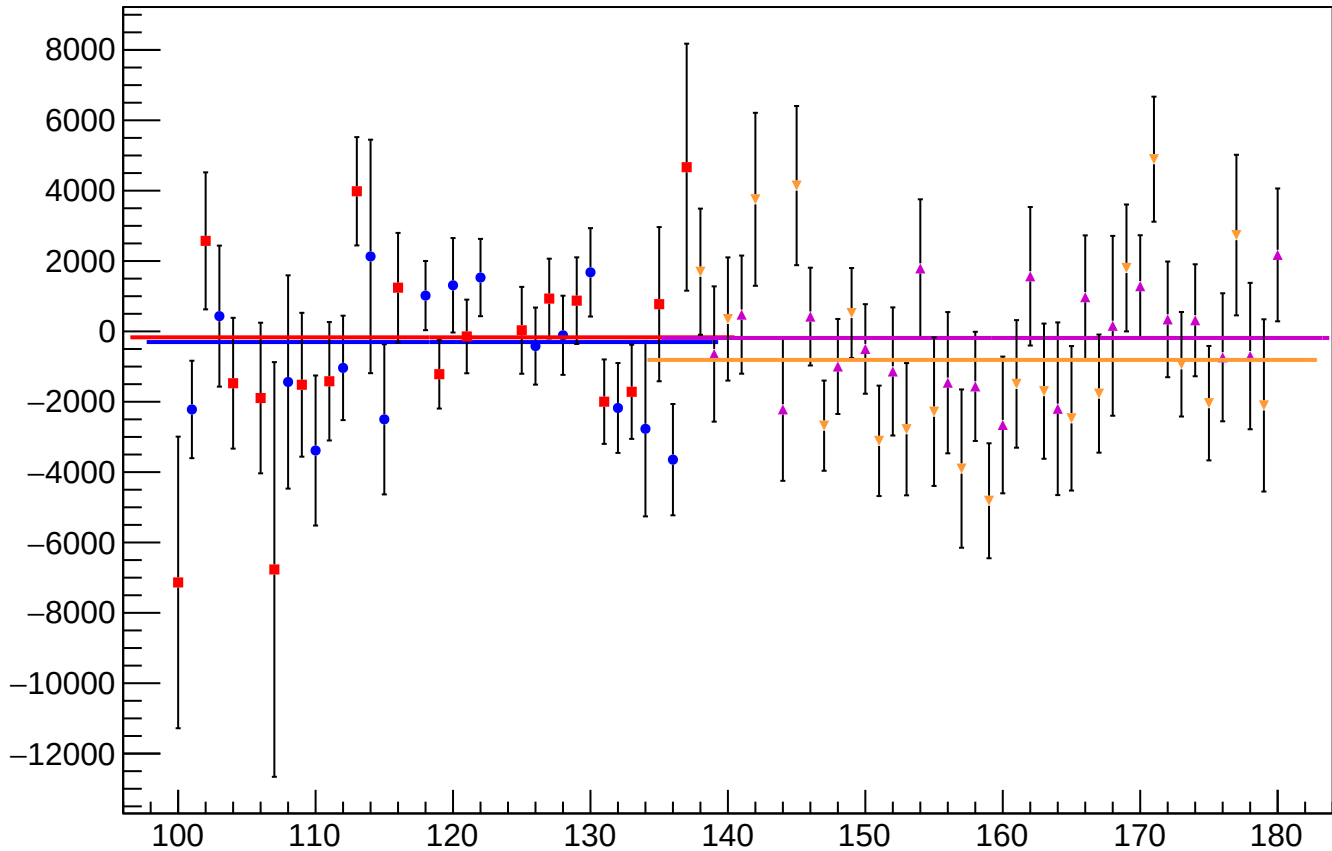
Left In: 1122.373 ± 0.196 χ^2/NDF : 8828.5/20

+ sign 1118.377 ± 0.166 χ^2/NDF : 28357.3/36

All: 1119.669 ± 0.117 χ^2/NDF : 53003.3/75

- sign 1120.922 ± 0.164 χ^2/NDF : 24527.0/38

asym_usl_correction_mean vs Slug



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

Left Out: -810.190 ± 386.760 χ^2/NDF : 42.5/20

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

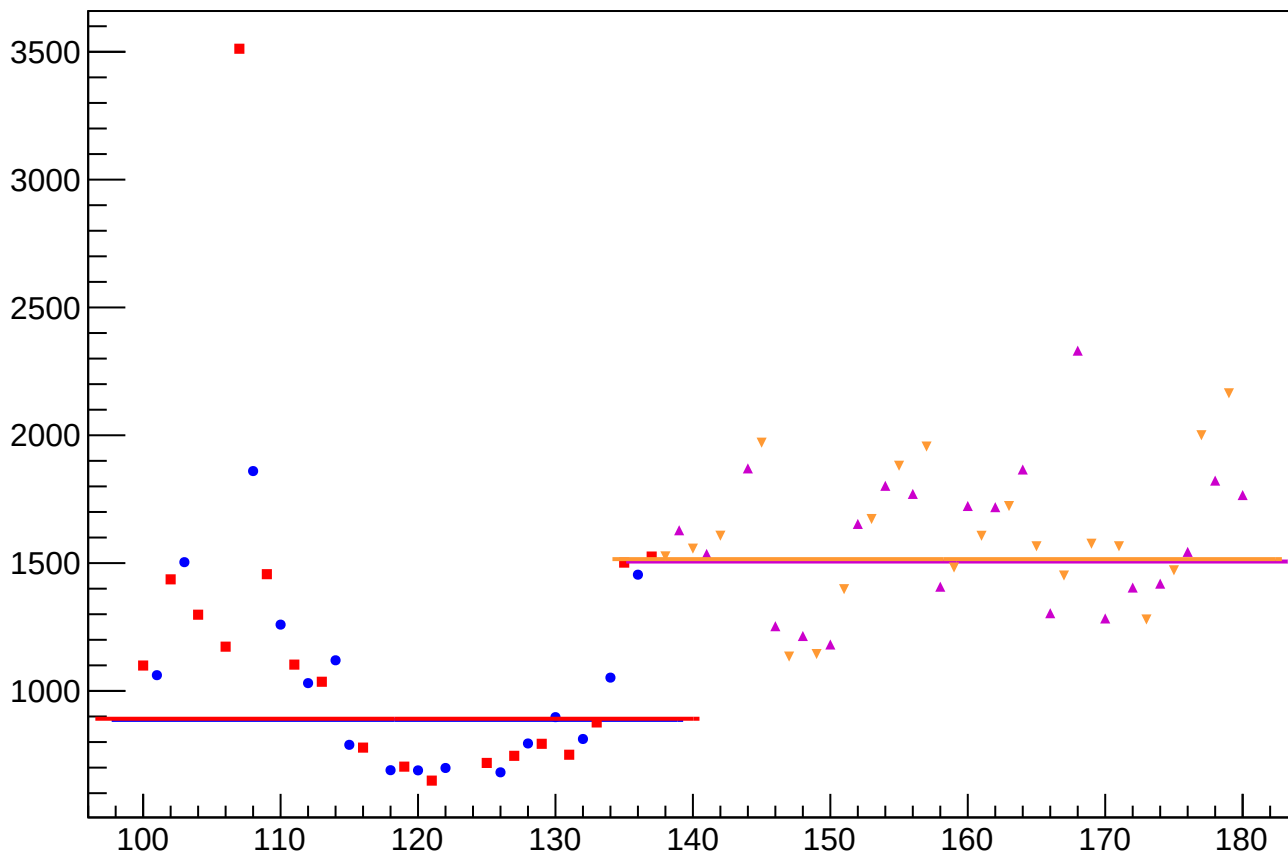
Left In: -186.734 ± 378.077 χ^2/NDF : 10.8/20

+ sign -538.670 ± 263.538 χ^2/NDF : 65.7/36

All: -355.018 ± 184.824 χ^2/NDF : 102.3/75

- sign -177.260 ± 259.275 χ^2/NDF : 35.6/38

asym_usl_correction_rms vs Slug



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

Left Out: 1515.583+/-0.273 χ^2/NDF : 912038.9/20

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

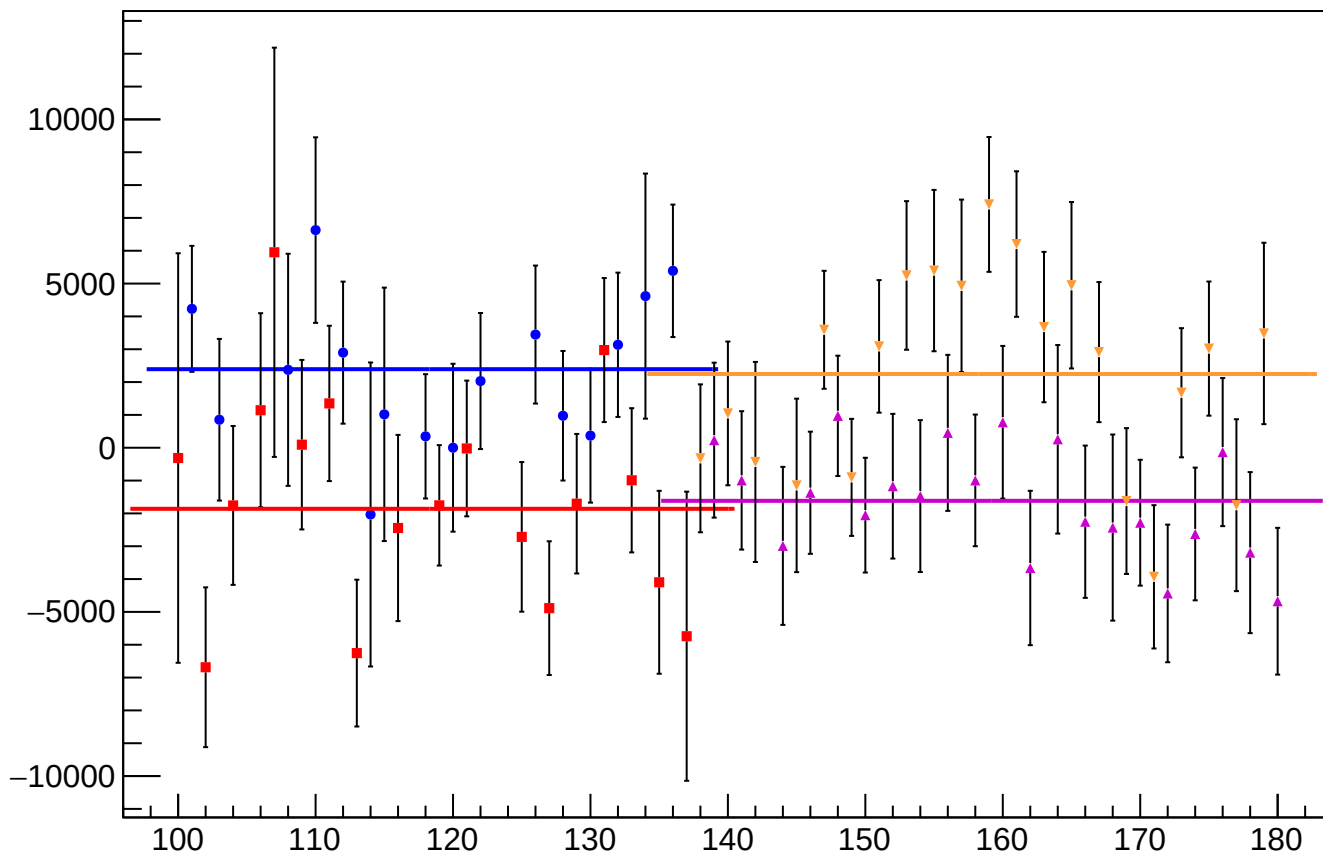
Left In: 1506.107+/-0.267 χ^2/NDF : 935758.0/20

+ sign 1178.689+/-0.186 χ^2/NDF : 4805707.0/36

All: 1179.548+/-0.131 χ^2/NDF : 9958129.9/75

- sign 1180.379+/-0.183 χ^2/NDF : 5152381.1/38

asym_usl_mean vs Slug



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

Left Out: 2246.637+/-486.340 χ^2/NDF : 37.3/20

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

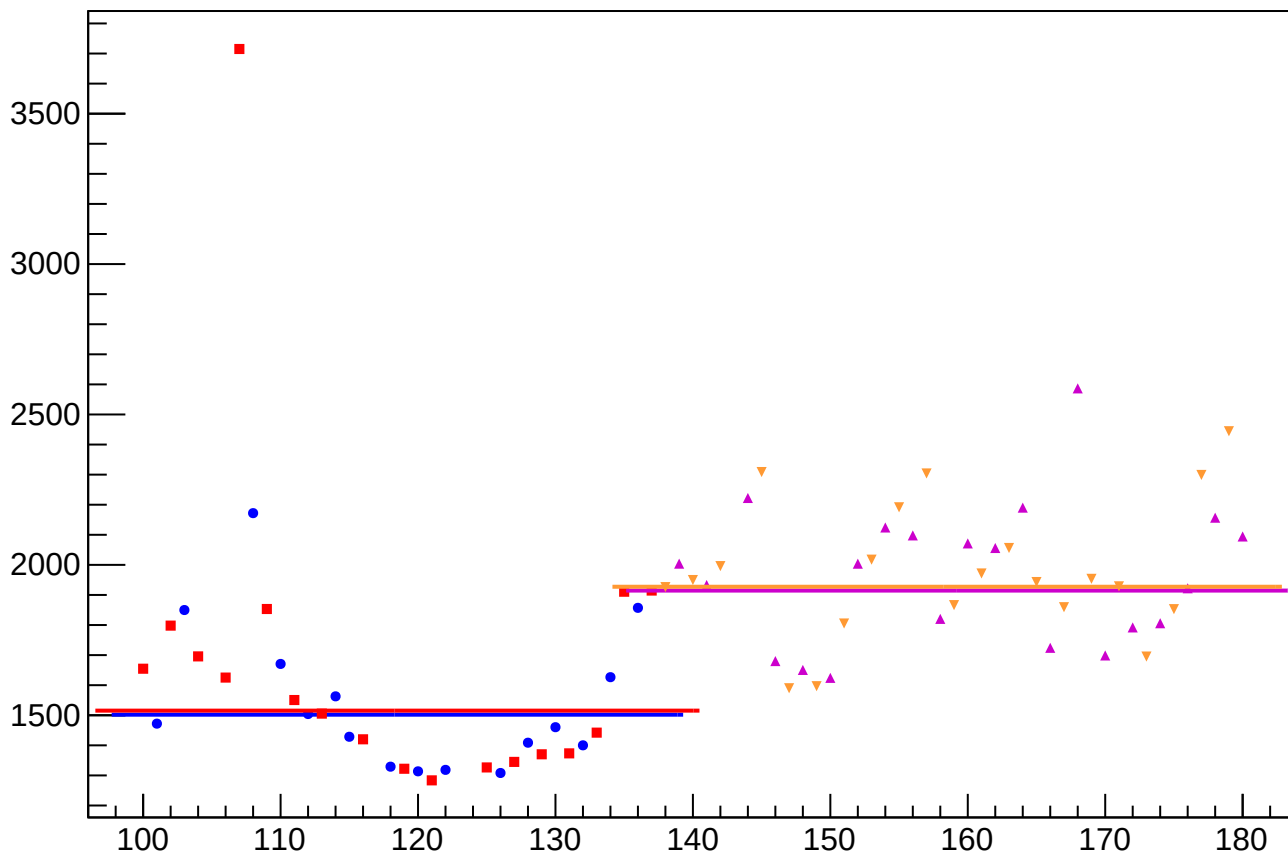
Left In: -1616.870+/-475.895 χ^2/NDF : 11.3/20

+ sign 2305.724+/-375.018 χ^2/NDF : 48.5/36

All: 261.683+/-262.914 χ^2/NDF : 140.8/75

- sign -1714.015+/-368.695 χ^2/NDF : 33.9/38

asym_usl_rms vs Slug



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

Left Out: 1927.273 ± 0.344 χ^2/NDF : 409228.4/20

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

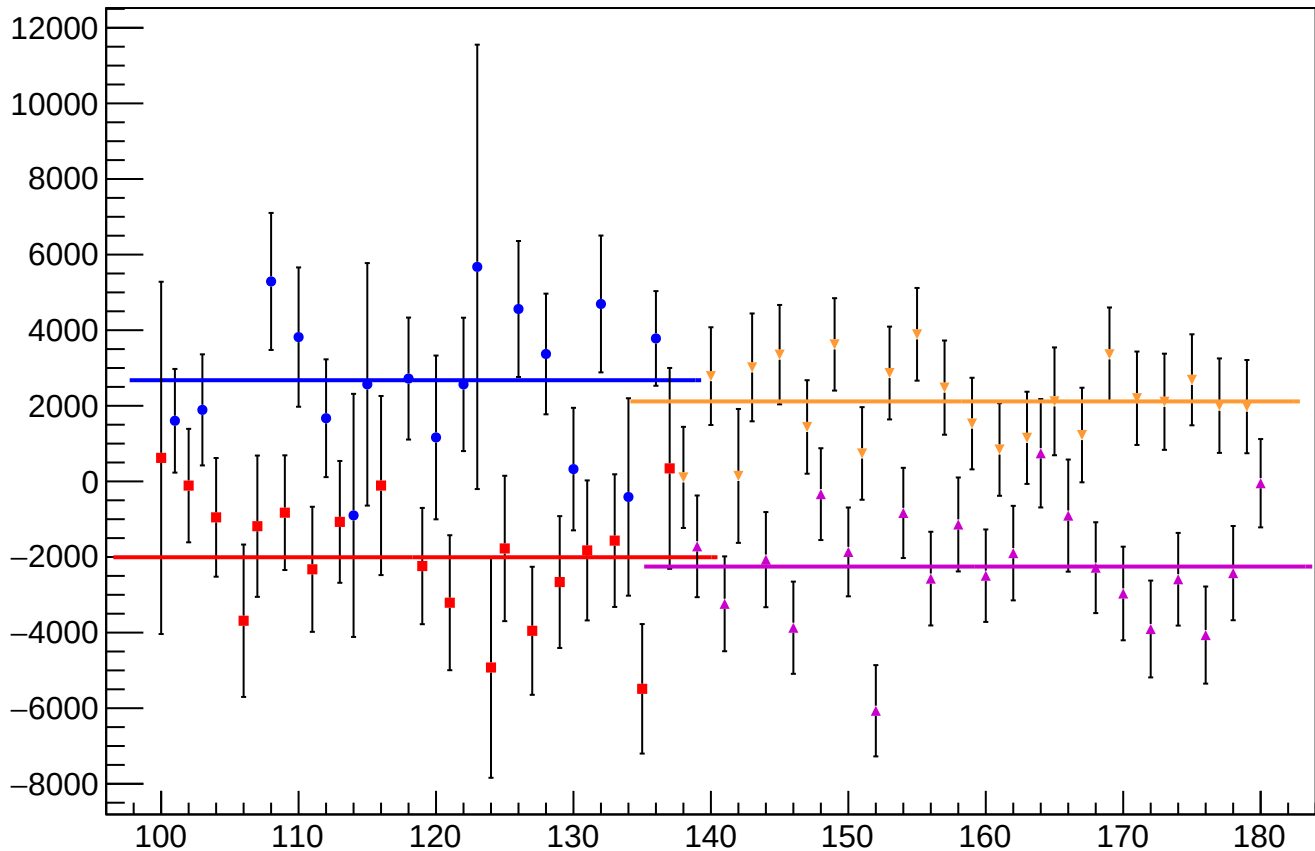
Left In: 1914.519 ± 0.337 χ^2/NDF : 431320.5/20

+ sign 1754.841 ± 0.265 χ^2/NDF : 1283935.4/36

All: 1754.902 ± 0.186 χ^2/NDF : 2757380.9/75

- sign 1754.962 ± 0.261 χ^2/NDF : 1473445.4/38

reg_asym_usr_mean vs Slug



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

Left Out: 2116.145 $\pm$ 271.448 χ^2 /NDF:14.4/21

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

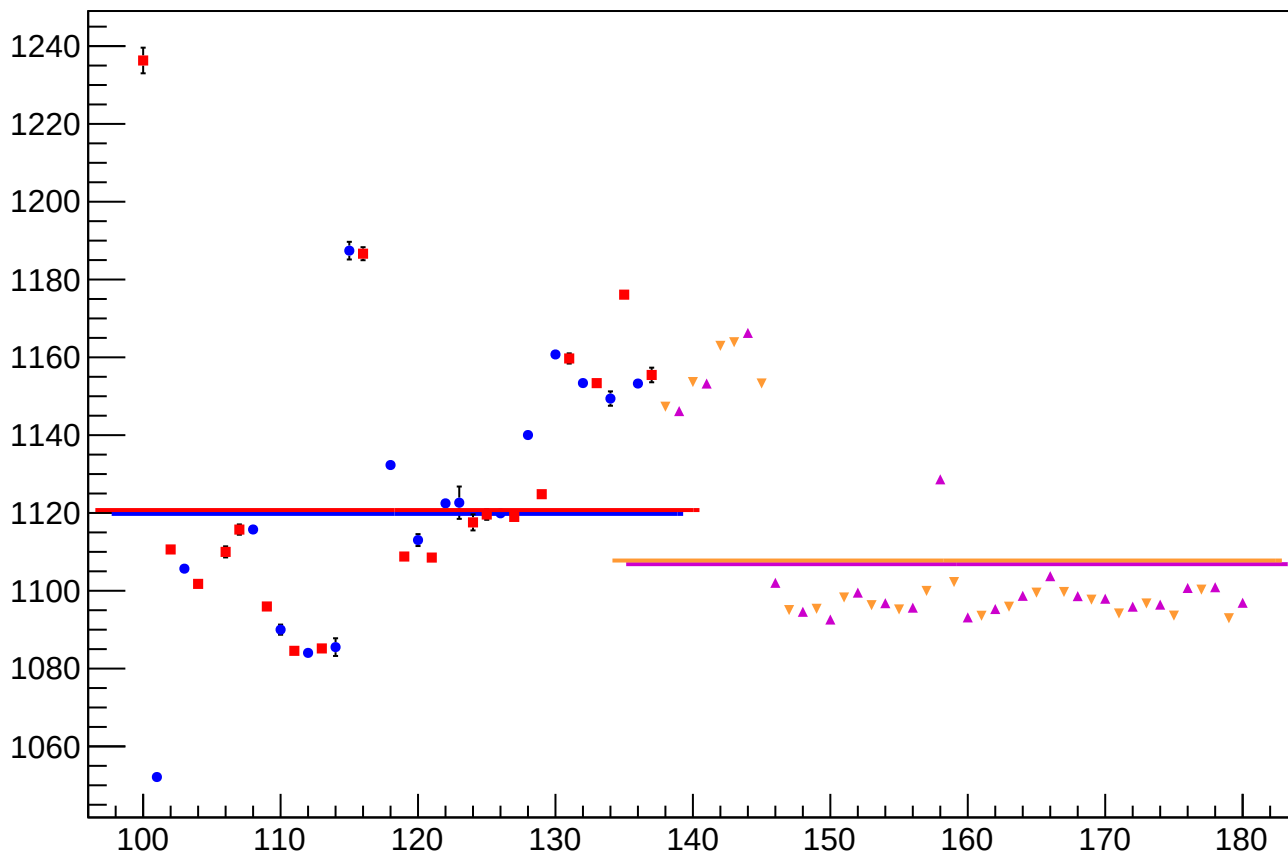
Left In: -2253.120 $\pm$ 272.855 χ^2 /NDF:30.4/20

+ sign 2273.984 $\pm$ 230.078 χ^2 /NDF: 28.2/38

All: 33.491 $\pm$ 162.191 χ^2 /NDF: 260.1/78

- sign -2179.744 $\pm$ 228.674 χ^2 /NDF: 43.4/39

reg_asym_usr_rms vs Slug



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

Left Out: 1107.774 $\pm$ 0.192 χ^2 /NDF:14514.1/21

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

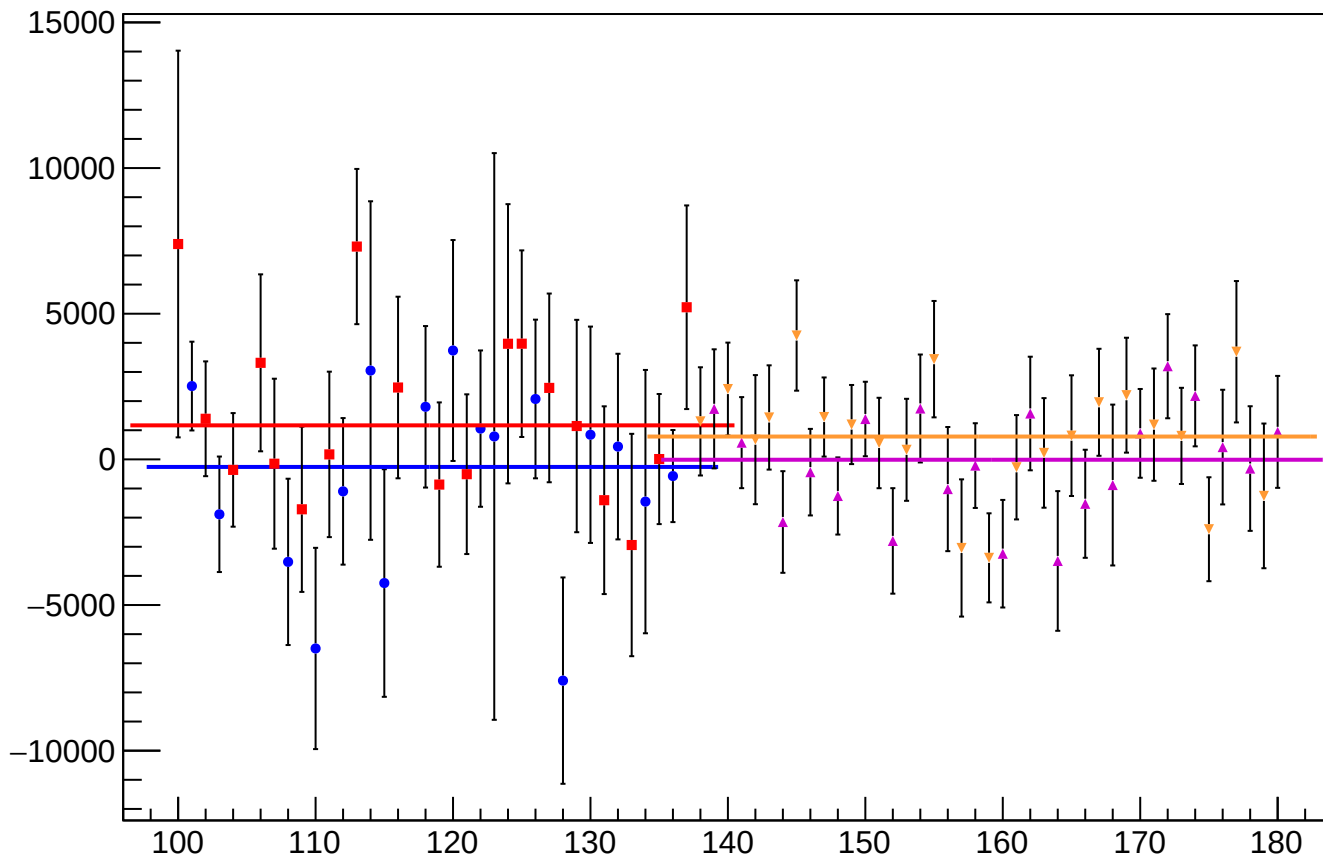
Left In: 1106.839 $\pm$ 0.193 χ^2 /NDF:11643.4/20

+ sign 1111.149 $\pm$ 0.163 χ^2 /NDF: 27489.4/38

All: 1111.063 $\pm$ 0.115 χ^2 /NDF: 50613.7/78

- sign 1110.978 $\pm$ 0.162 χ^2 /NDF: 23123.8/39

asym_usr_correction_mean vs Slug



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

Left Out: 783.465 ± 382.757 χ^2/NDF : 23.6/21

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

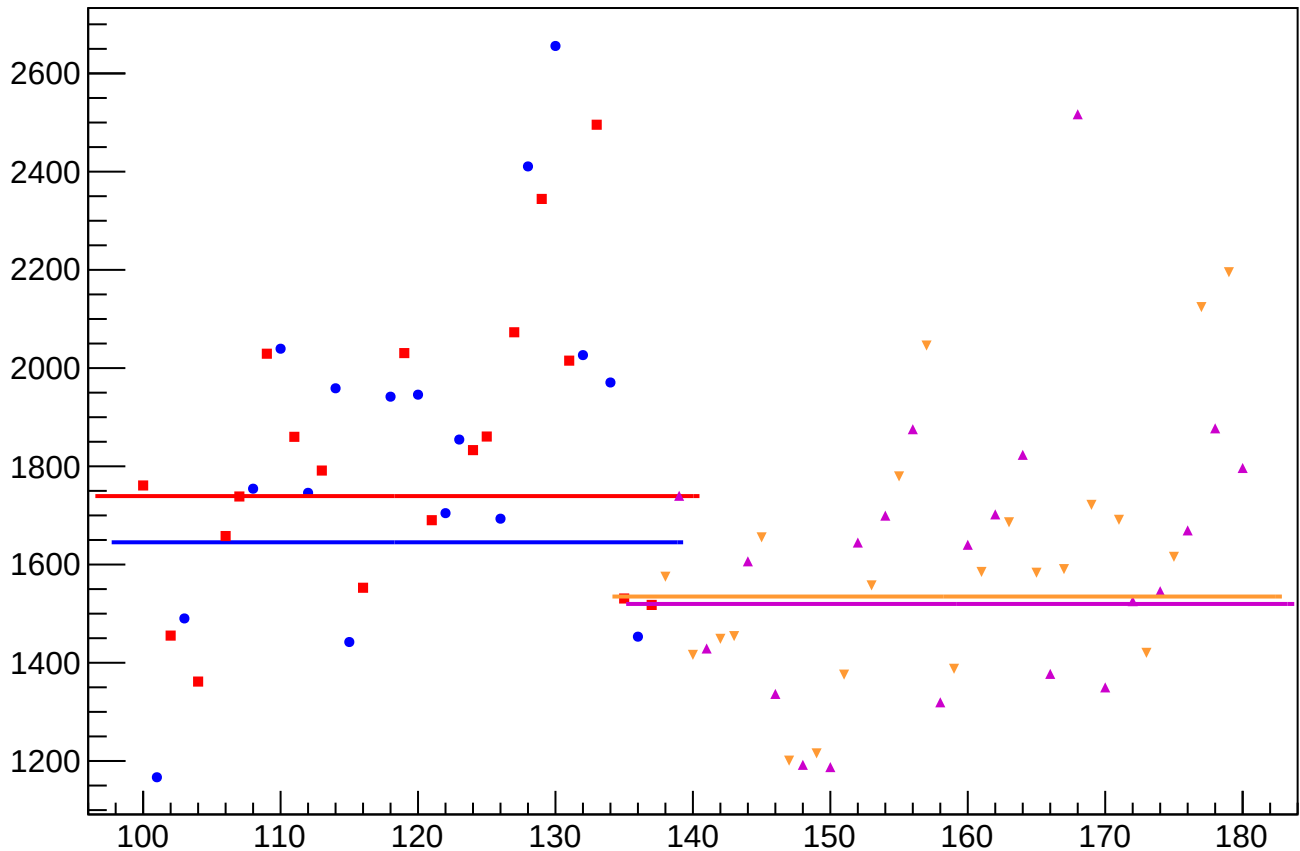
Left In: -12.943 ± 381.296 χ^2/NDF : 20.1/20

+ sign 518.058 ± 330.505 χ^2/NDF : 42.7/38

All: 399.440 ± 233.687 χ^2/NDF : 79.8/78

- sign 280.852 ± 330.461 χ^2/NDF : 36.9/39

asym_usr_correction_rms vs Slug



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

Left Out: 1534.854+/-0.271 χ^2/NDF : 744534.0/21

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

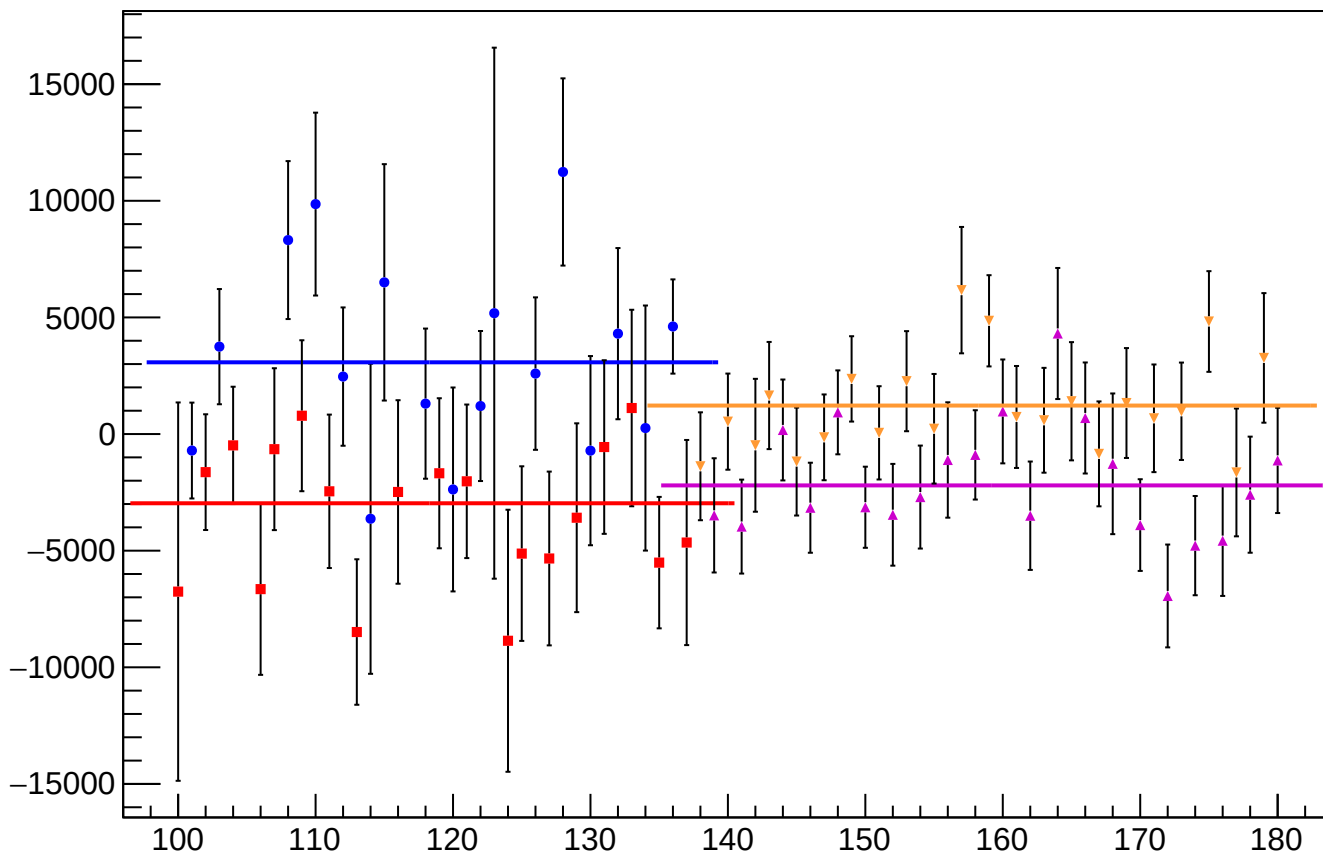
Left In: 1519.757+/-0.270 χ^2/NDF : 909720.2/20

+ sign 1562.953+/-0.234 χ^2/NDF : 1387817.5/38

All: 1568.684+/-0.165 χ^2/NDF : 2834886.3/78

- sign 1574.414+/-0.234 χ^2/NDF : 1445866.1/39

asym_usr_mean vs Slug



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

Left Out: 1221.548 $\pm$ 476.815 χ^2 /NDF: 16.8/21

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

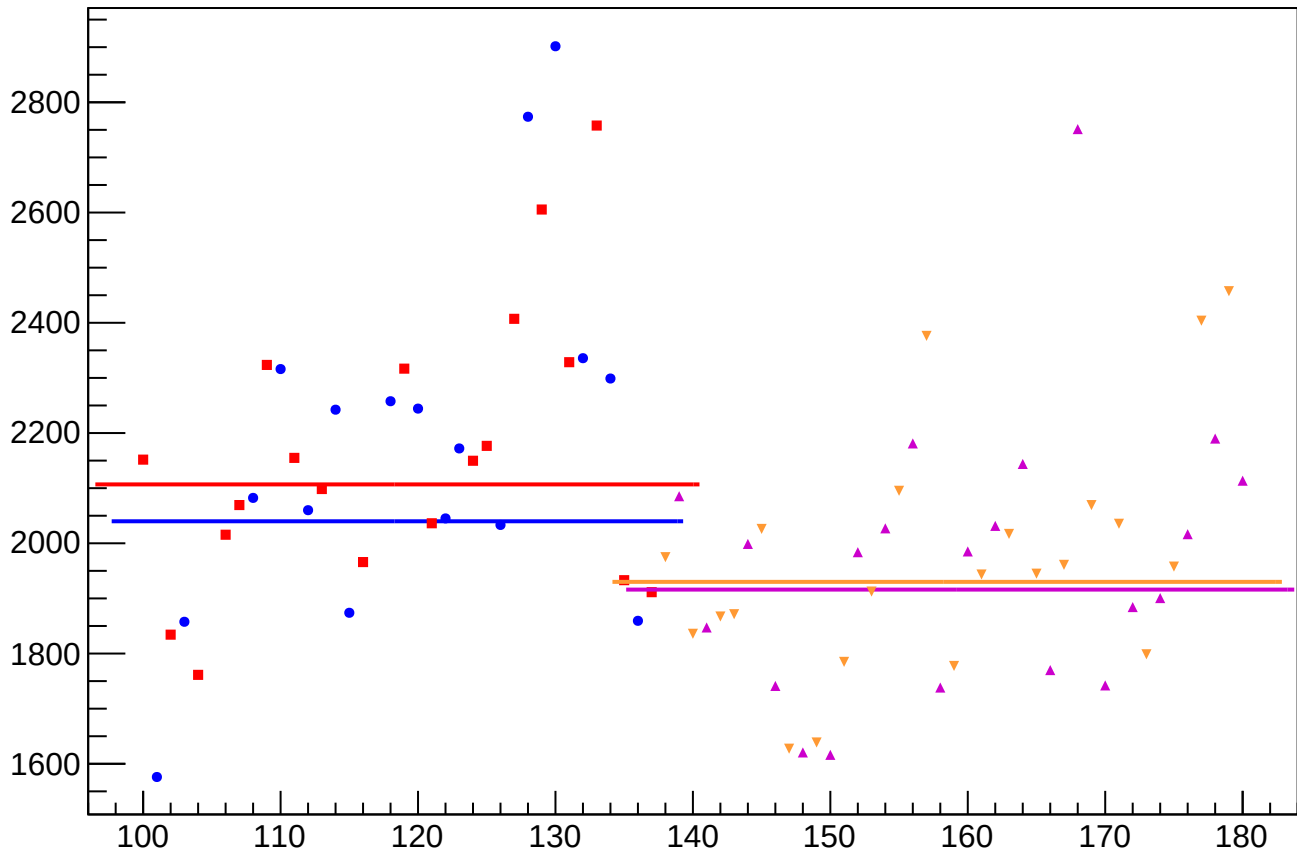
Left In: -2201.817 $\pm$ 476.243 χ^2 /NDF: 24.2/20

+ sign 1705.473 $\pm$ 409.884 χ^2 /NDF: 39.4/38

All: -355.442 $\pm$ 289.388 χ^2 /NDF: 126.6/78

- sign -2403.795 $\pm$ 408.633 χ^2 /NDF: 36.8/39

asym_usr_rms vs Slug



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

Left Out: 1930.038 $\pm$ 0.337 χ^2 /NDF: 357352.0/21

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

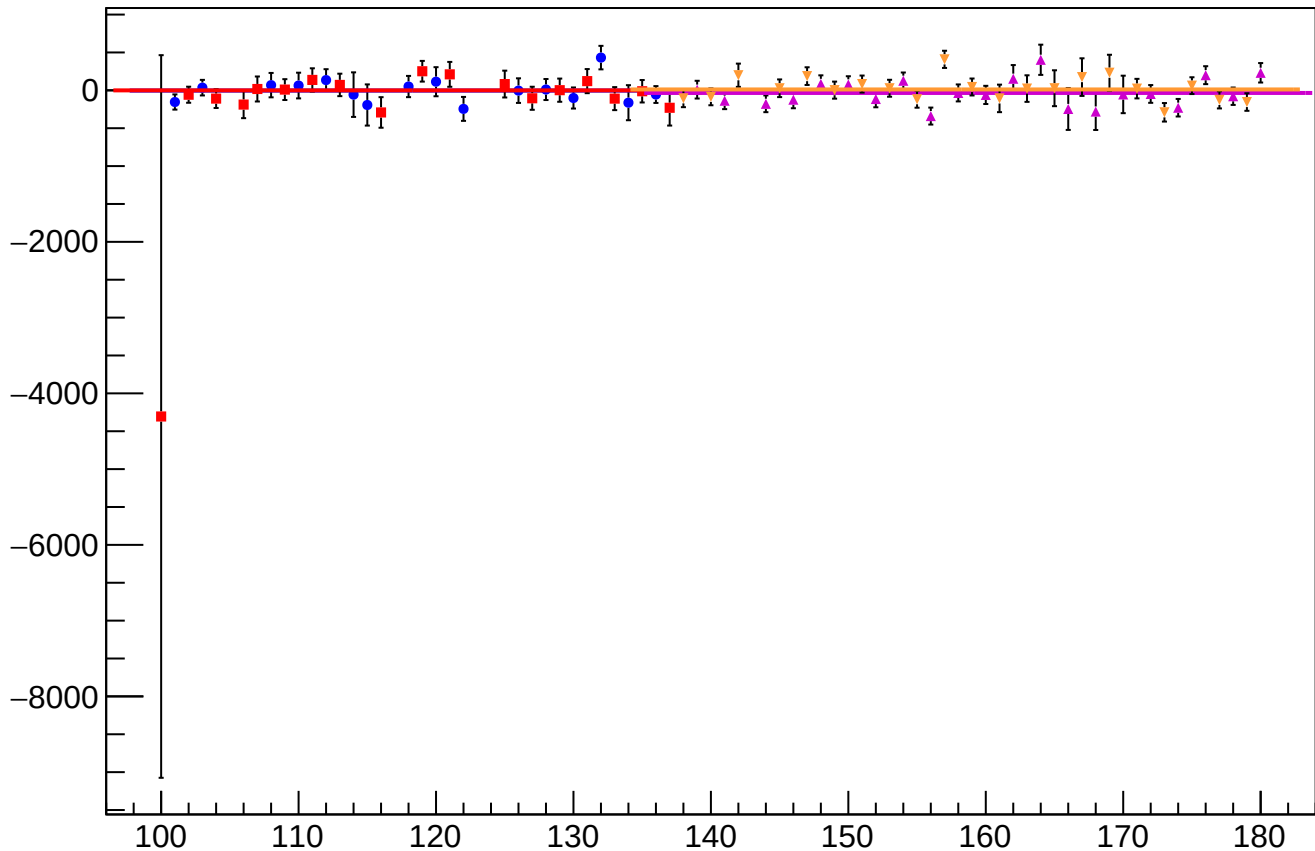
Left In: 1916.011 $\pm$ 0.337 χ^2 /NDF: 432176.0/20

+ sign 1958.727 $\pm$ 0.290 χ^2 /NDF: 717073.1/38

All: 1962.547 $\pm$ 0.205 χ^2 /NDF: 1429740.7/78

- sign 1966.345 $\pm$ 0.289 χ^2 /NDF: 712321.1/39

reg_asym_dsl_mean vs Slug



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

Left Out: 11.685 ± 27.793 $\chi^2/\text{NDF}: 31.2/20$

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

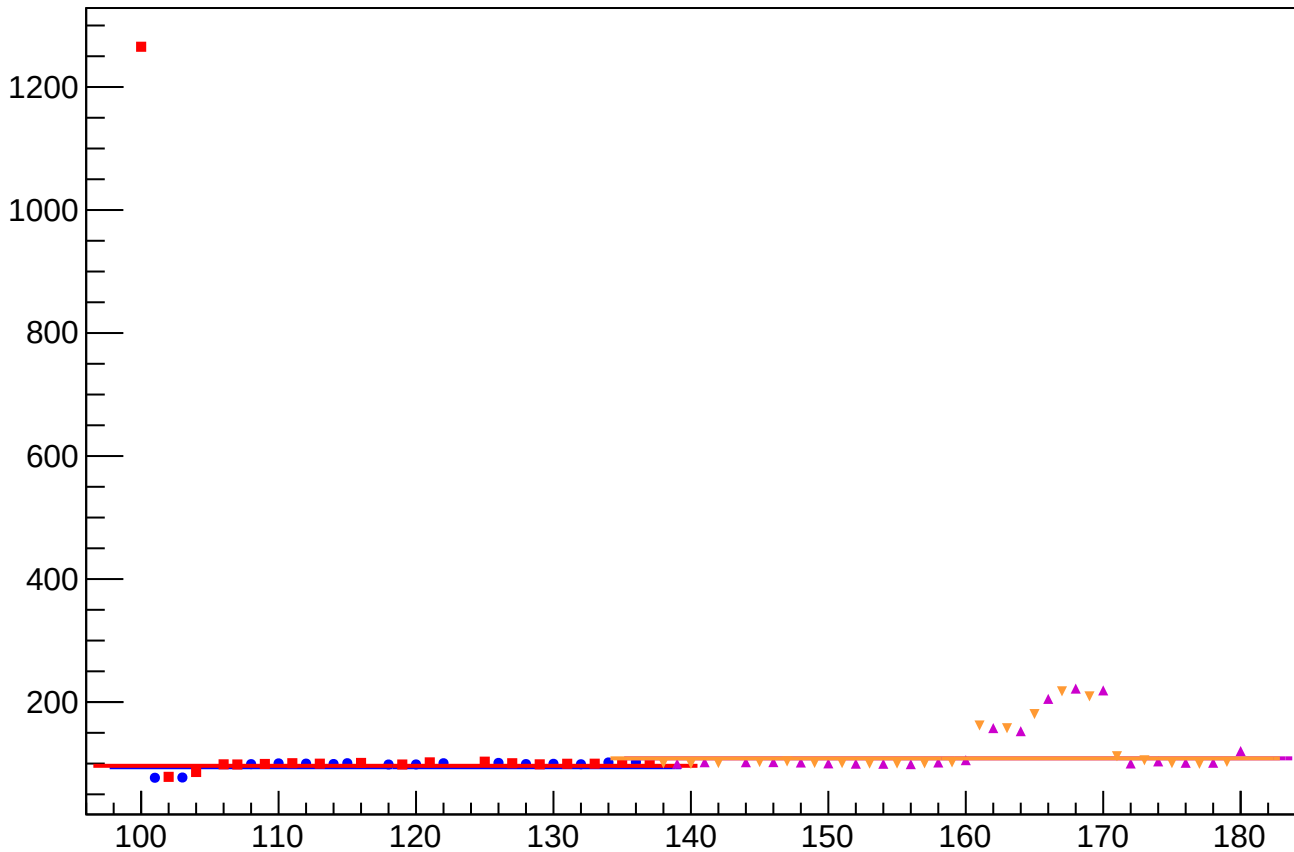
Left In: -34.543 ± 27.400 $\chi^2/\text{NDF}: 34.4/20$

+ sign 6.232 ± 22.160 $\chi^2/\text{NDF}: 47.5/36$

All: -8.193 ± 15.596 $\chi^2/\text{NDF}: 97.2/75$

- sign -22.354 ± 21.955 $\chi^2/\text{NDF}: 48.9/38$

reg_asym_dsl_rms vs Slug



Right In: 94.068 $\pm$ 0.026 χ^2 /NDF: 152285.6/15

Left Out: 108.498 $\pm$ 0.020 χ^2 /NDF: 1388492.1/20

Right Out: 96.372 $\pm$ 0.026 χ^2 /NDF: 209228.5/17

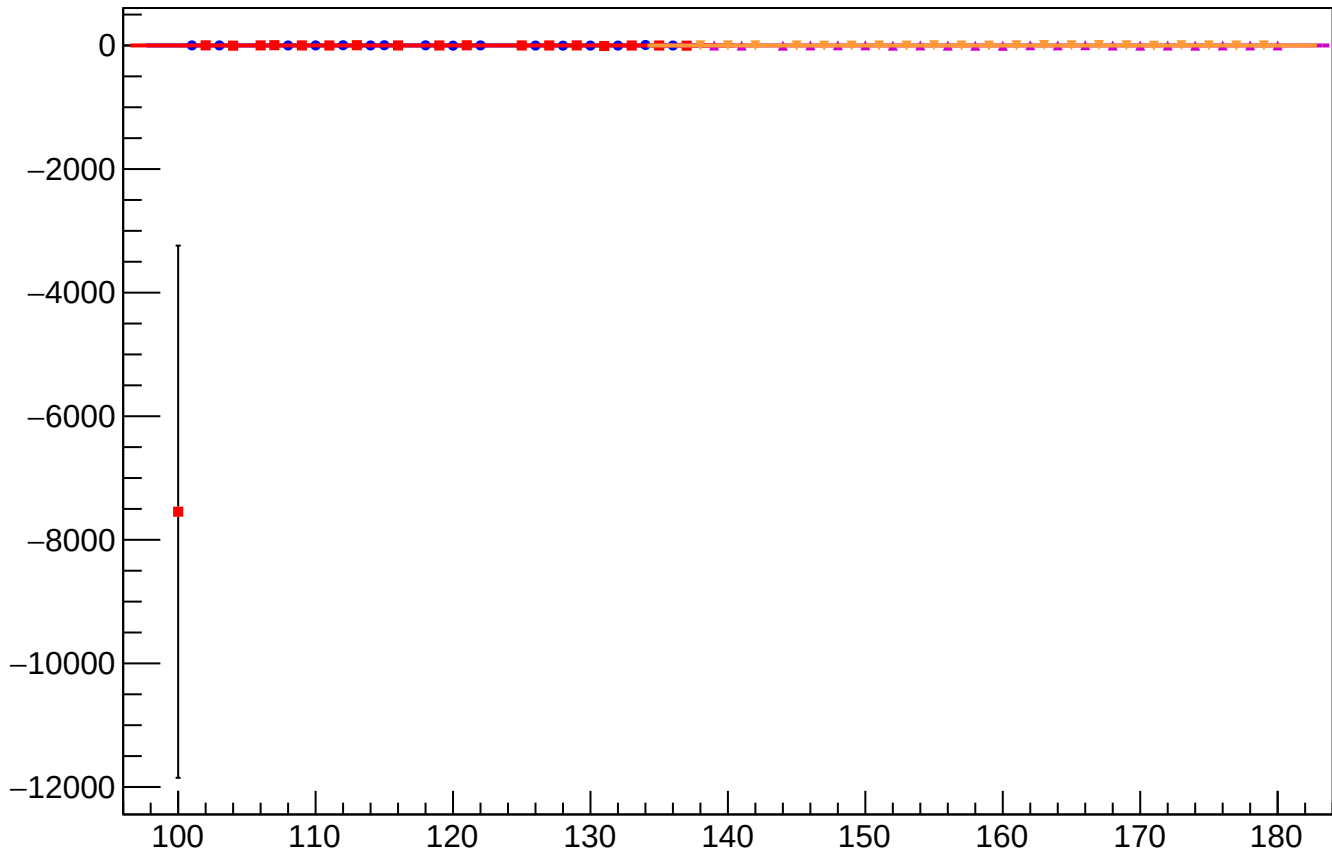
Left In: 108.503 $\pm$ 0.019 χ^2 /NDF: 1466667.4/20

+ sign 103.241 $\pm$ 0.016 χ^2 /NDF: 1737161.9/36

All: 103.705 $\pm$ 0.011 χ^2 /NDF: 3555110.4/75

- sign 104.161 $\pm$ 0.016 χ^2 /NDF: 1816208.0/38

asym_dsl_correction_mean vs Slug



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

Left Out: -0.406 $\pm$ 0.496 χ^2/NDF : 27.3/20

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

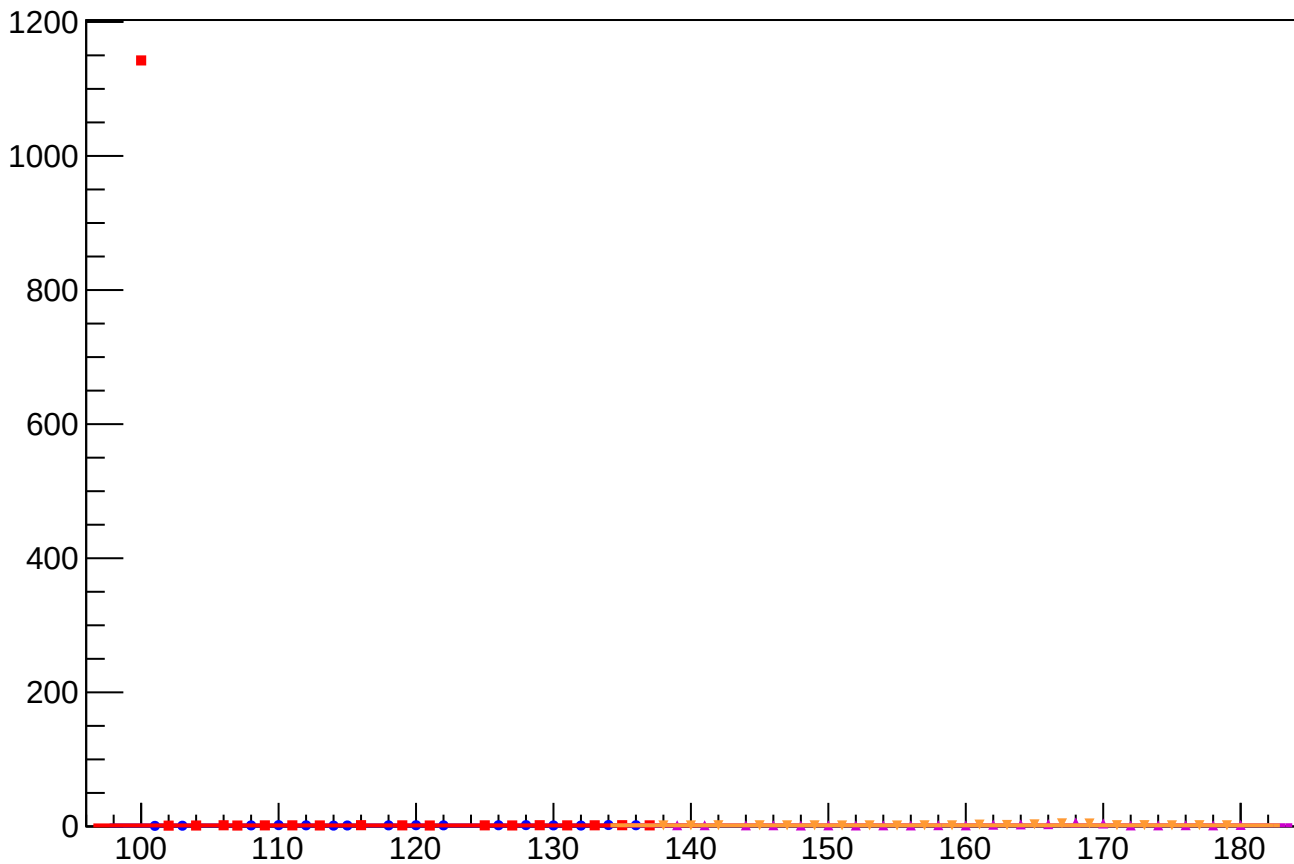
Left In: 0.135 $\pm$ 0.506 χ^2/NDF : 22.9/20

+ sign -0.079 $\pm$ 0.386 χ^2/NDF : 38.1/36

All: 0.058 $\pm$ 0.277 χ^2/NDF : 84.0/75

- sign 0.203 $\pm$ 0.397 χ^2/NDF : 45.7/38

asym_dsl_correction_rms vs Slug



Right In: 1.420 $\pm$ 0.000 χ^2 /NDF: 730935.2/15

Left Out: 1.749 $\pm$ 0.000 χ^2 /NDF:1488371.0/20

Right Out: 1.556 $\pm$ 0.000 χ^2 /NDF: 315908.9/17

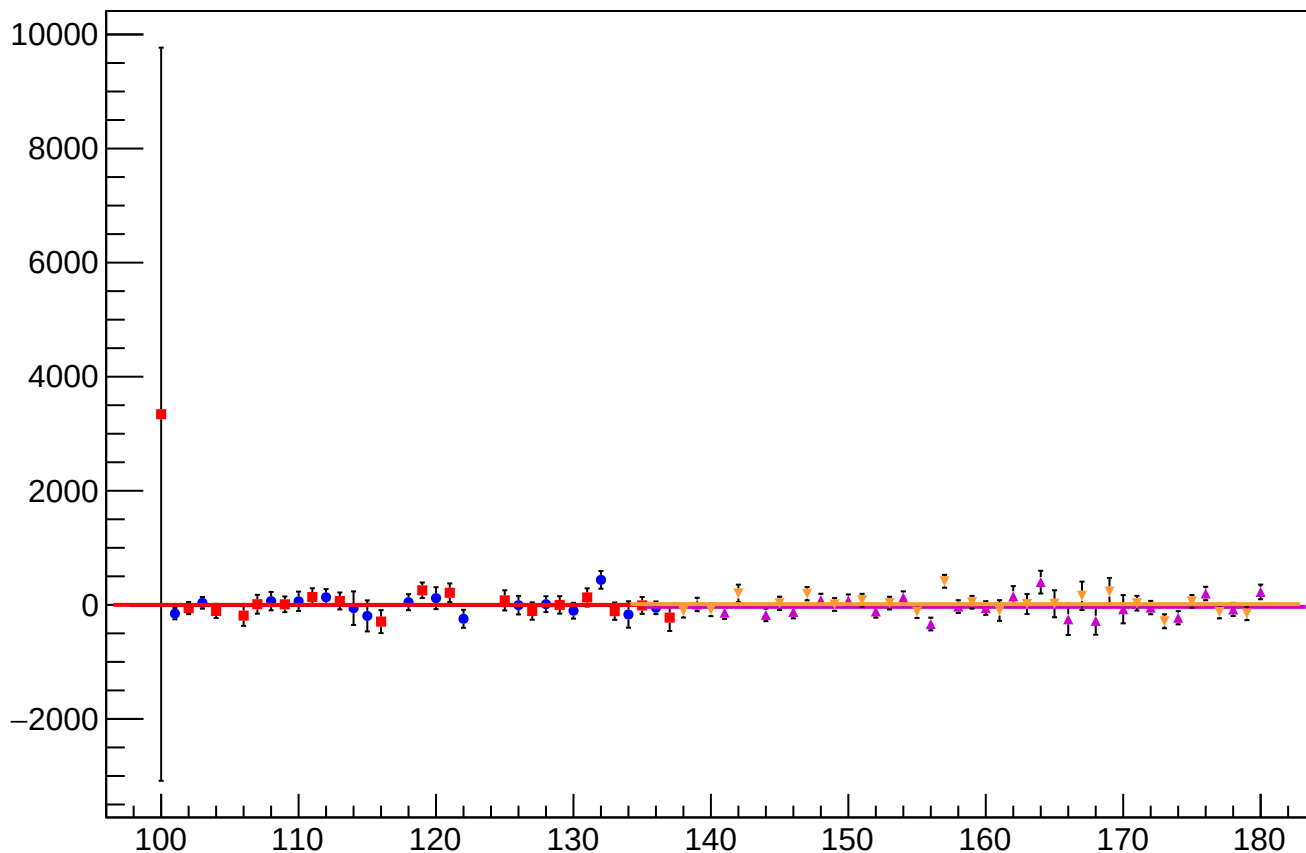
Left In: 1.822 $\pm$ 0.000 χ^2 /NDF:1878890.9/20

+ sign 1.620 $\pm$ 0.000 χ^2 /NDF: 2567086.2/36

All: 1.669 $\pm$ 0.000 χ^2 /NDF: 5040997.5/75

- sign 1.720 $\pm$ 0.000 χ^2 /NDF: 2407714.8/38

asym_dsl_mean vs Slug



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

Left Out: 12.669 ± 27.801 χ^2/NDF : 31.4/20

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

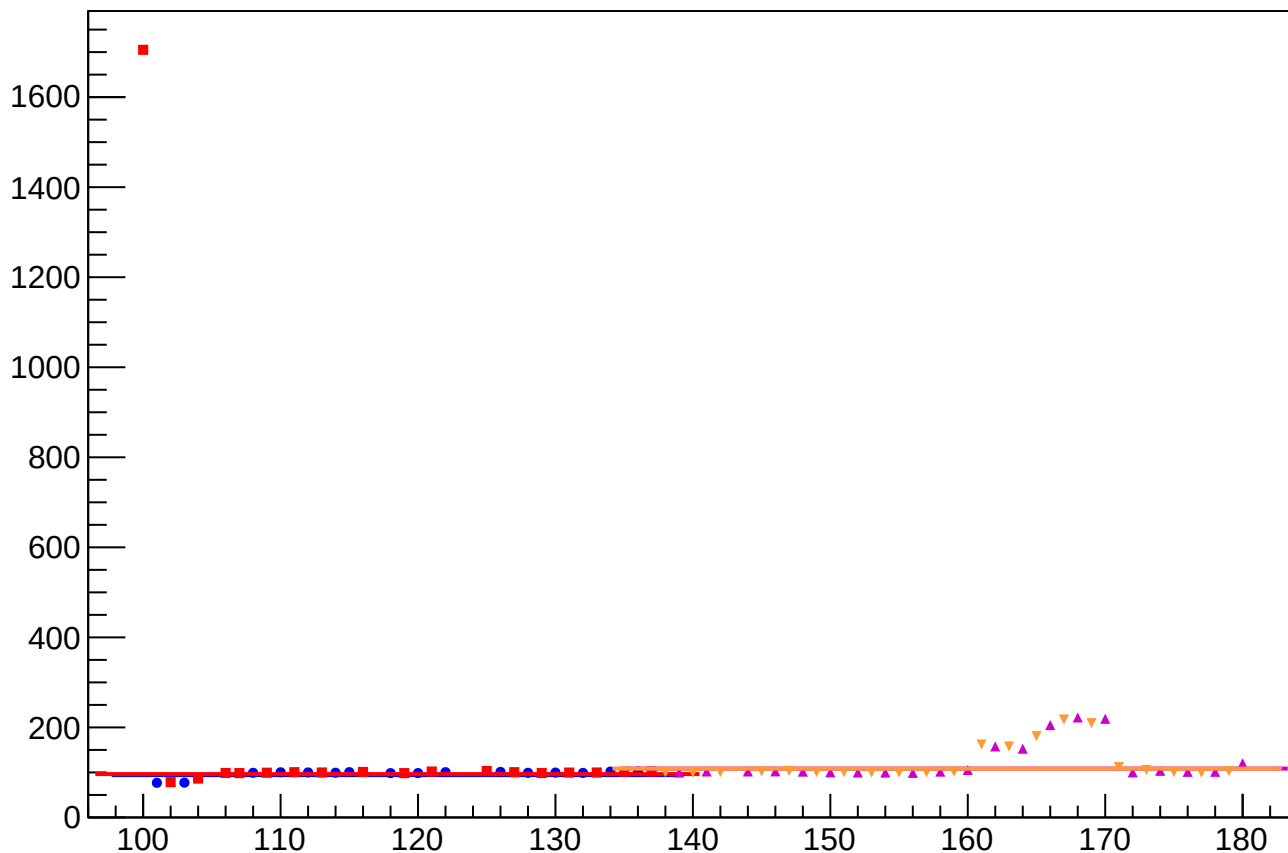
Left In: -35.048 ± 27.408 χ^2/NDF : 33.7/20

+ sign 6.925 ± 22.166 χ^2/NDF : 47.9/36

All: -7.956 ± 15.601 χ^2/NDF : 96.5/75

- sign -22.565 ± 21.962 χ^2/NDF : 47.8/38

asym_dsl_rms vs Slug



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

Left Out: 108.527+/-0.020 χ^2 /NDF:1389813.5/20

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

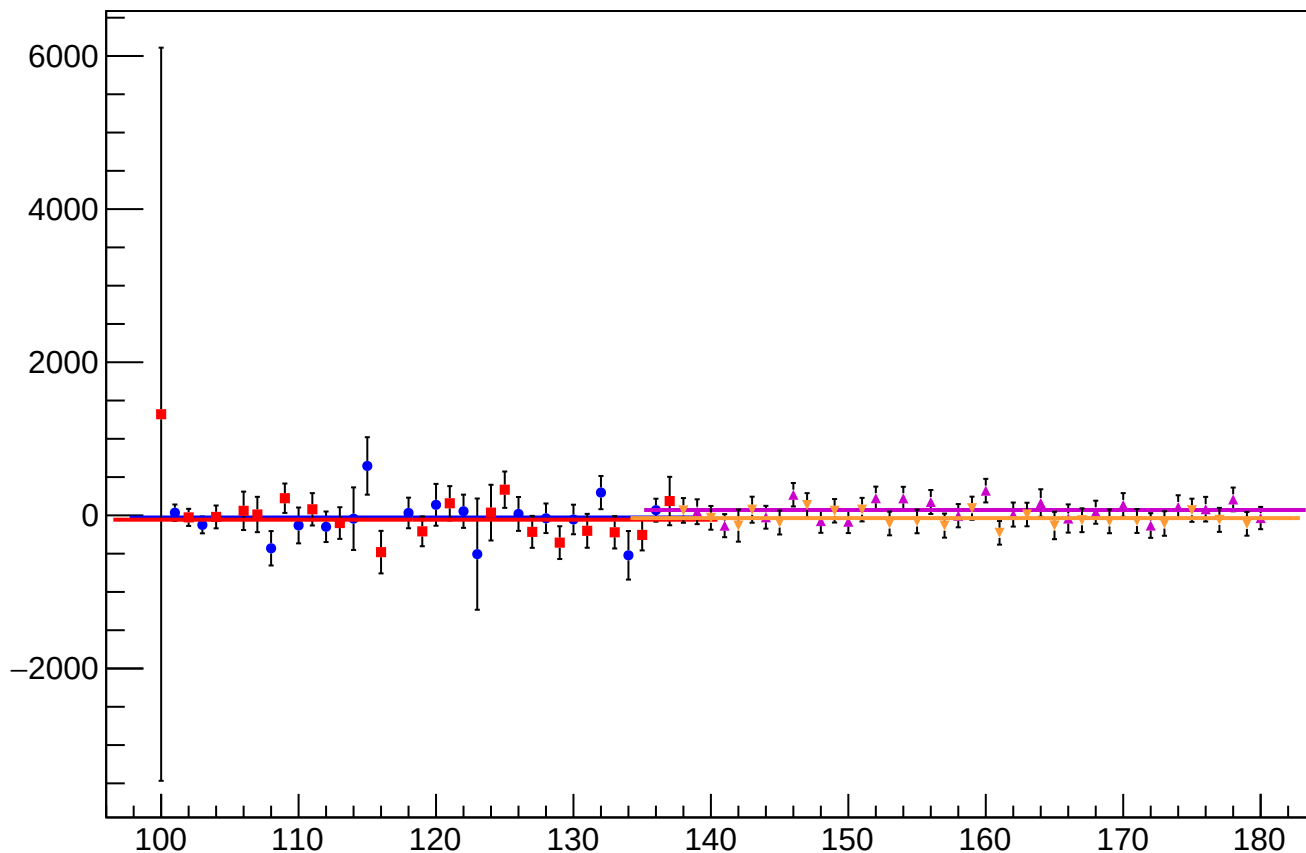
Left In: 108.534+/-0.019 χ^2 /NDF:1467967.8/20

+ sign 103.268+/-0.016 χ^2 /NDF: 1738546.7/36

All: 103.730+/-0.011 χ^2 /NDF: 3563348.3/75

- sign 104.184+/-0.016 χ^2 /NDF: 1823079.8/38

reg_asym_dsr_mean vs Slug



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

Left Out: -35.611 ± 33.776 χ^2/NDF : 7.7/21

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

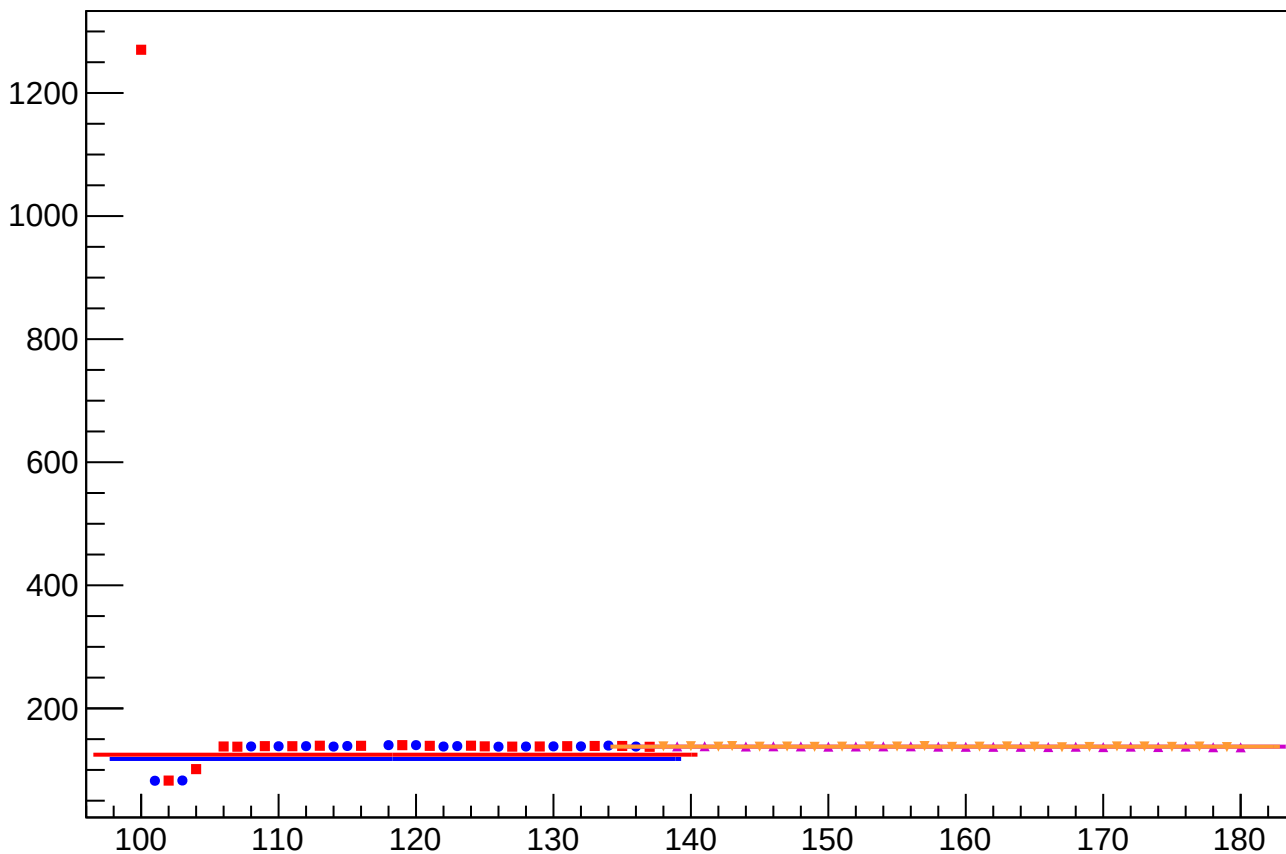
Left In: 70.288 ± 33.971 χ^2/NDF : 15.3/20

+ sign -32.948 ± 27.383 χ^2/NDF : 22.0/38

All: -2.959 ± 19.464 χ^2/NDF : 59.3/78

- sign 27.666 ± 27.672 χ^2/NDF : 34.9/39

reg_asym_dsr_rms vs Slug



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

Left Out: 137.863 $\pm$ 0.024 χ^2 /NDF: 398.6/21

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

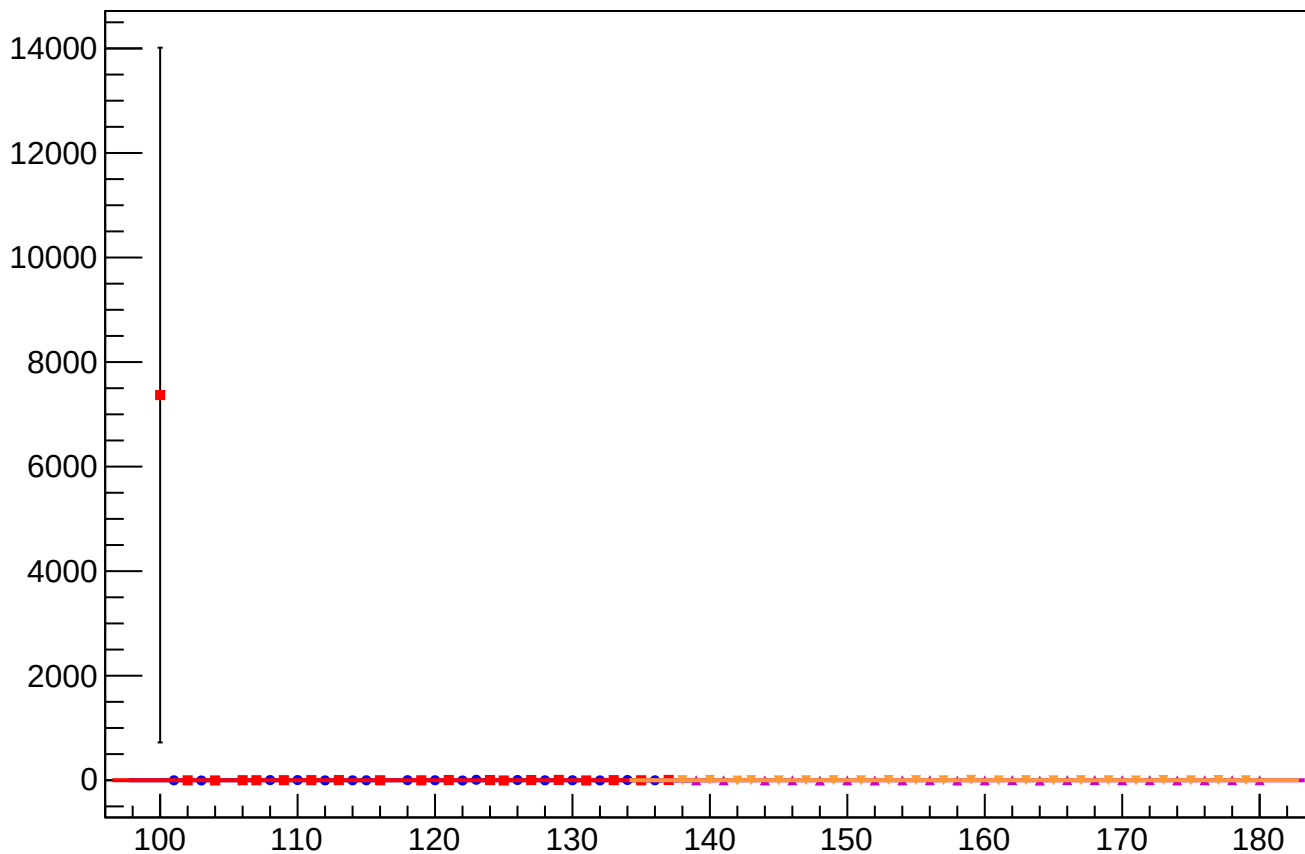
Left In: 137.819 $\pm$ 0.024 χ^2 /NDF: 453.5/20

+ sign 130.993 $\pm$ 0.019 χ^2 /NDF: 908470.4/38

All: 132.197 $\pm$ 0.014 χ^2 /NDF: 1585893.4/78

- sign 133.427 $\pm$ 0.020 χ^2 /NDF: 669606.9/39

asym_dsr_correction_mean vs Slug



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

Left Out: 0.436 ± 0.596 χ^2/NDF : 26.7/21

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

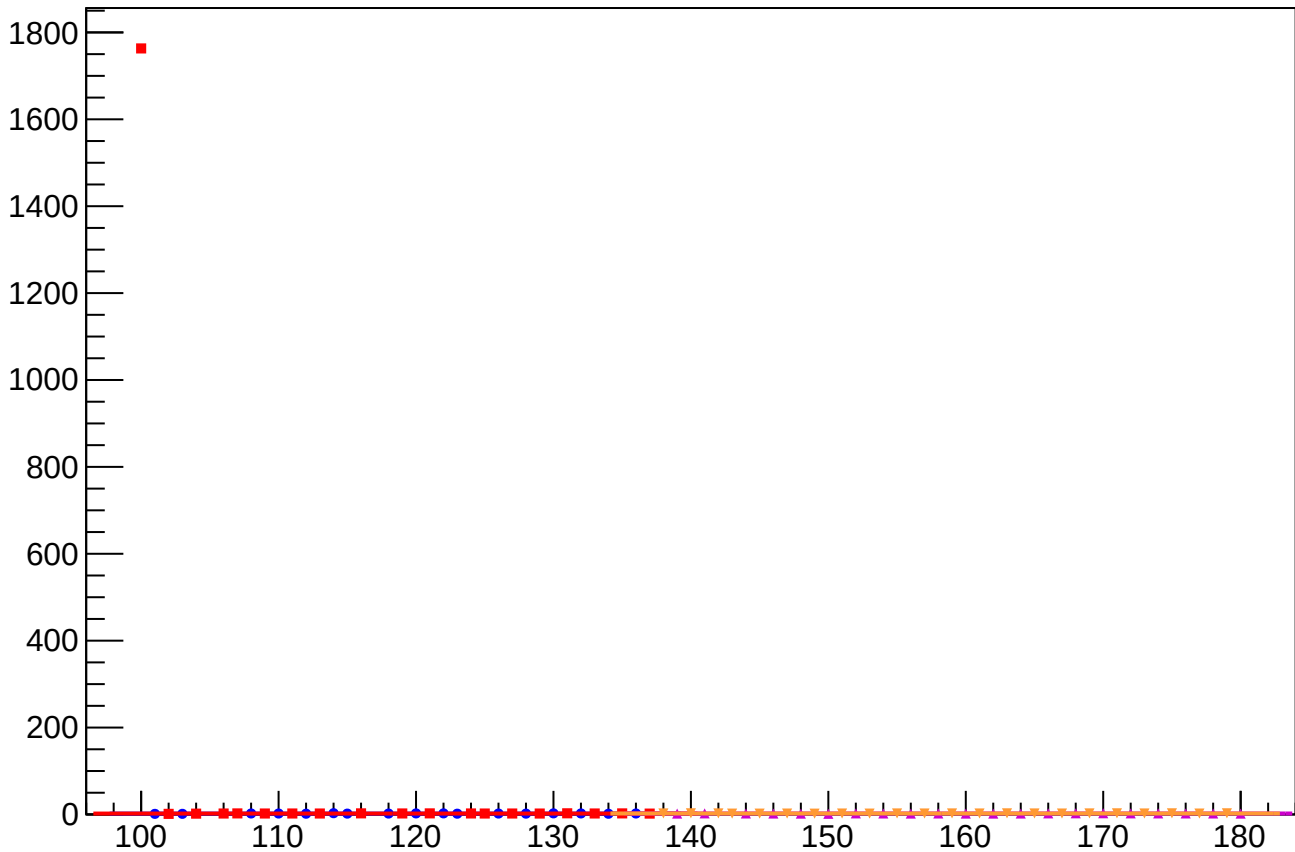
Left In: -0.321 ± 0.596 χ^2/NDF : 18.3/20

+ sign 0.039 ± 0.480 χ^2/NDF : 40.6/38

All: 0.019 ± 0.342 χ^2/NDF : 73.5/78

- sign -0.002 ± 0.488 χ^2/NDF : 32.9/39

asym_dsr_correction_rms vs Slug



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

Left Out: 2.235 $\pm$ 0.000 χ^2 /NDF:334313.7/21

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

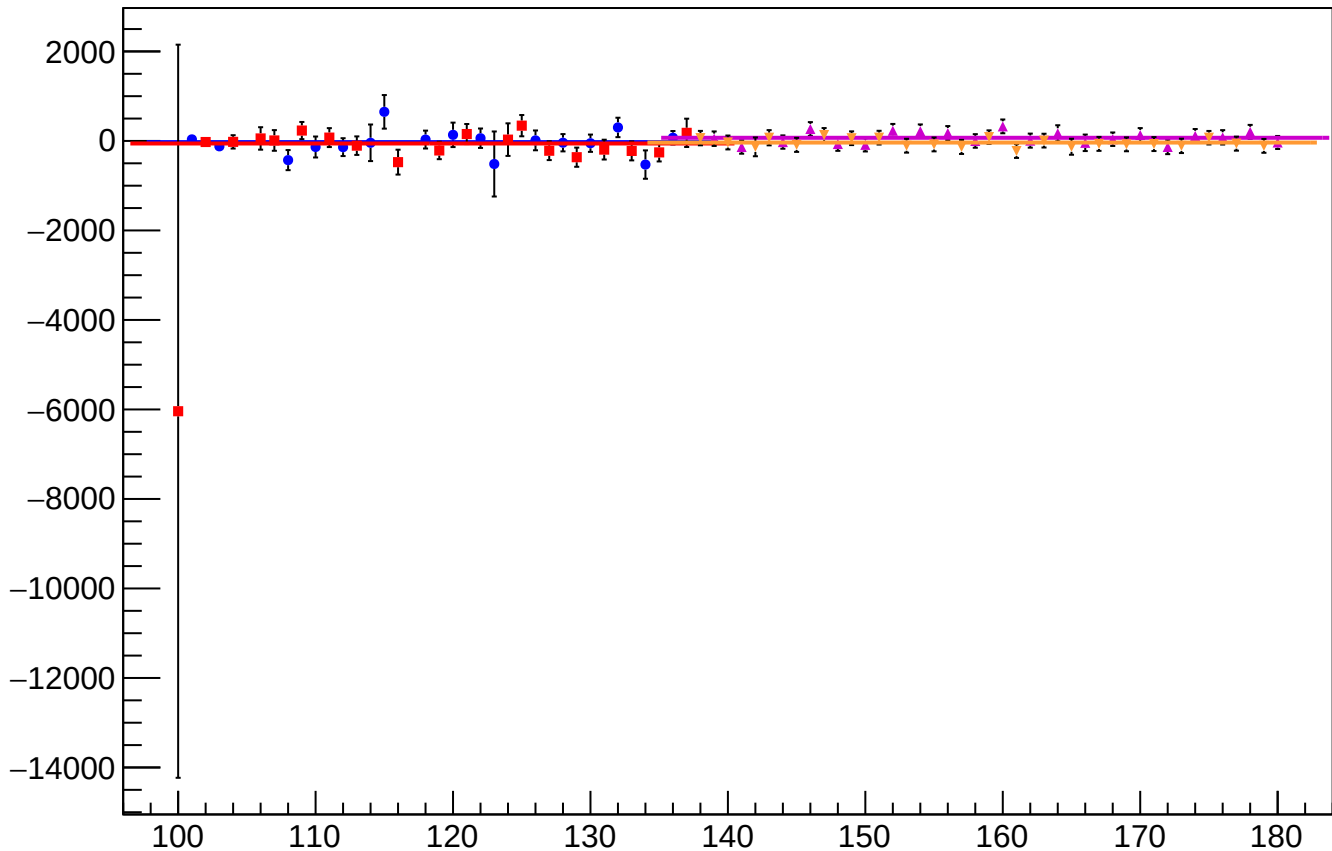
Left In: 2.187 $\pm$ 0.000 χ^2 /NDF:506726.8/20

+ sign 2.107 $\pm$ 0.000 χ^2 /NDF: 1092479.0/38

All: 2.126 $\pm$ 0.000 χ^2 /NDF: 2158851.6/78

- sign 2.147 $\pm$ 0.000 χ^2 /NDF: 1059555.3/39

asym_dsr_mean vs Slug



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

Left Out: -36.188 ± 33.785 χ^2/NDF : 7.5/21

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

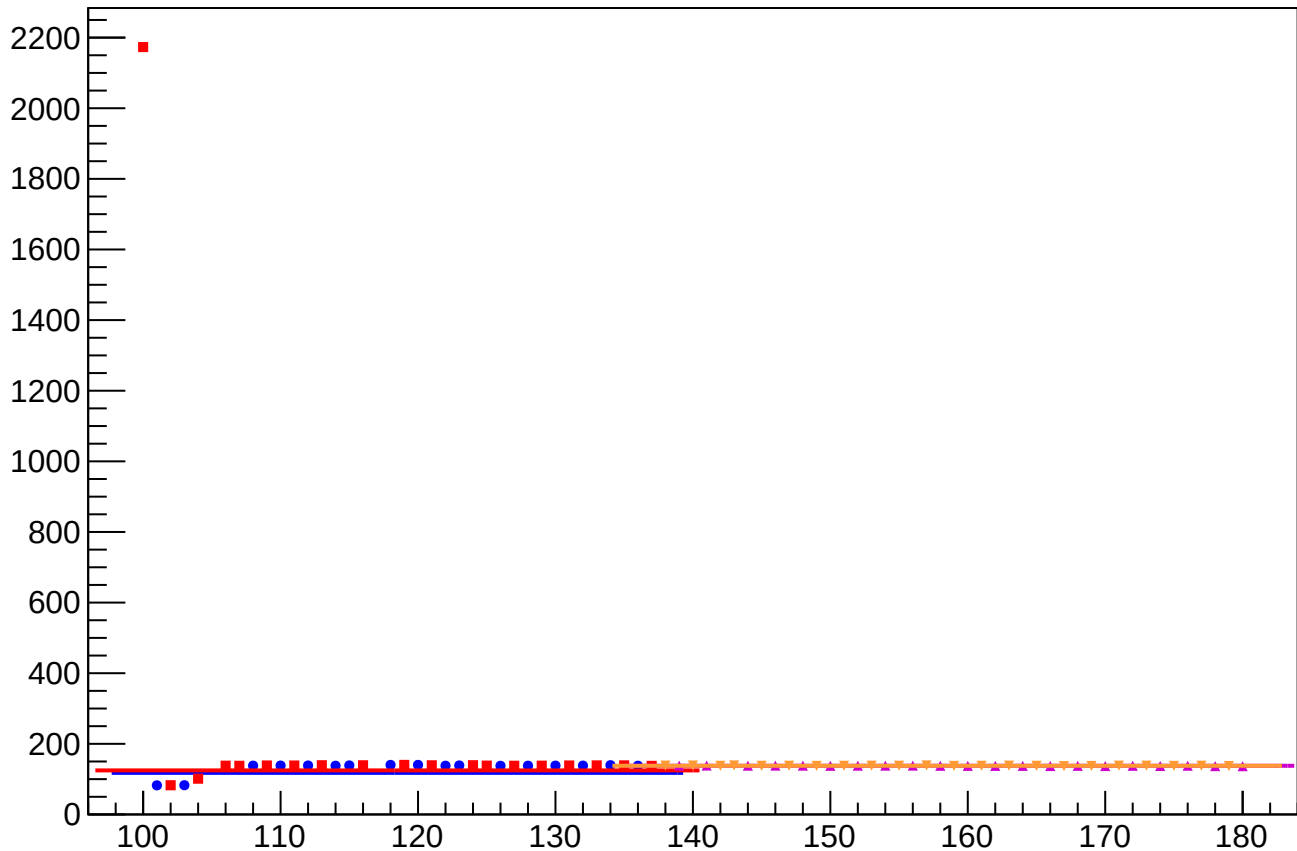
Left In: 70.304 ± 33.980 χ^2/NDF : 15.3/20

+ sign -32.785 ± 27.391 χ^2/NDF : 21.9/38

All: -3.016 ± 19.470 χ^2/NDF : 59.8/78

- sign 27.385 ± 27.680 χ^2/NDF : 35.6/39

asym_dsr_rms vs Slug



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

Left Out: 137.901 $\pm$ 0.024 χ^2 /NDF: 396.4/21

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

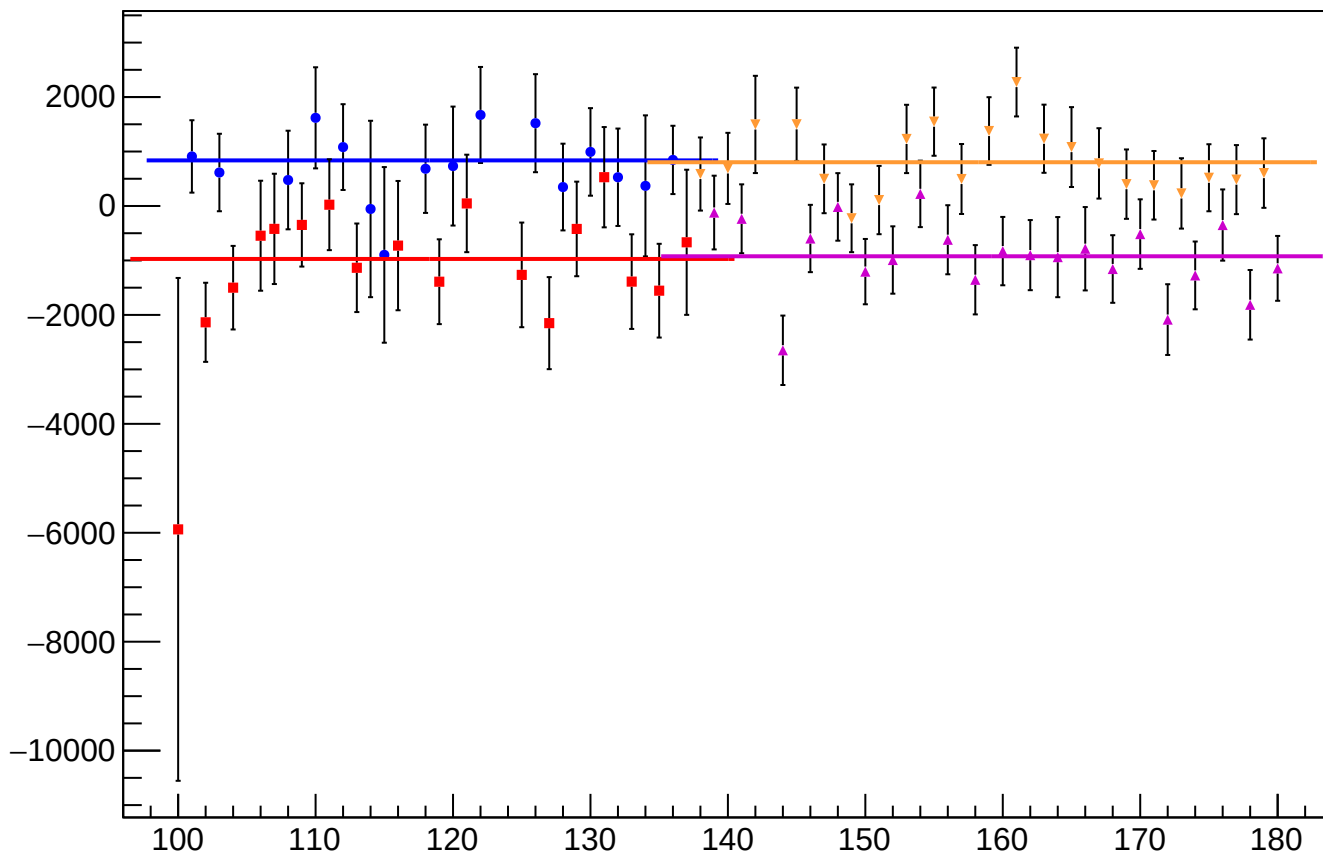
Left In: 137.858 $\pm$ 0.024 χ^2 /NDF: 450.5/20

+ sign 131.029 $\pm$ 0.019 χ^2 /NDF: 908524.0/38

All: 132.226 $\pm$ 0.014 χ^2 /NDF: 1597131.3/78

- sign 133.449 $\pm$ 0.020 χ^2 /NDF: 680883.1/39

reg_asym_left_avg_mean vs Slug



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

Left Out: 803.400 ± 141.341 χ^2/NDF : 17.2/20

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

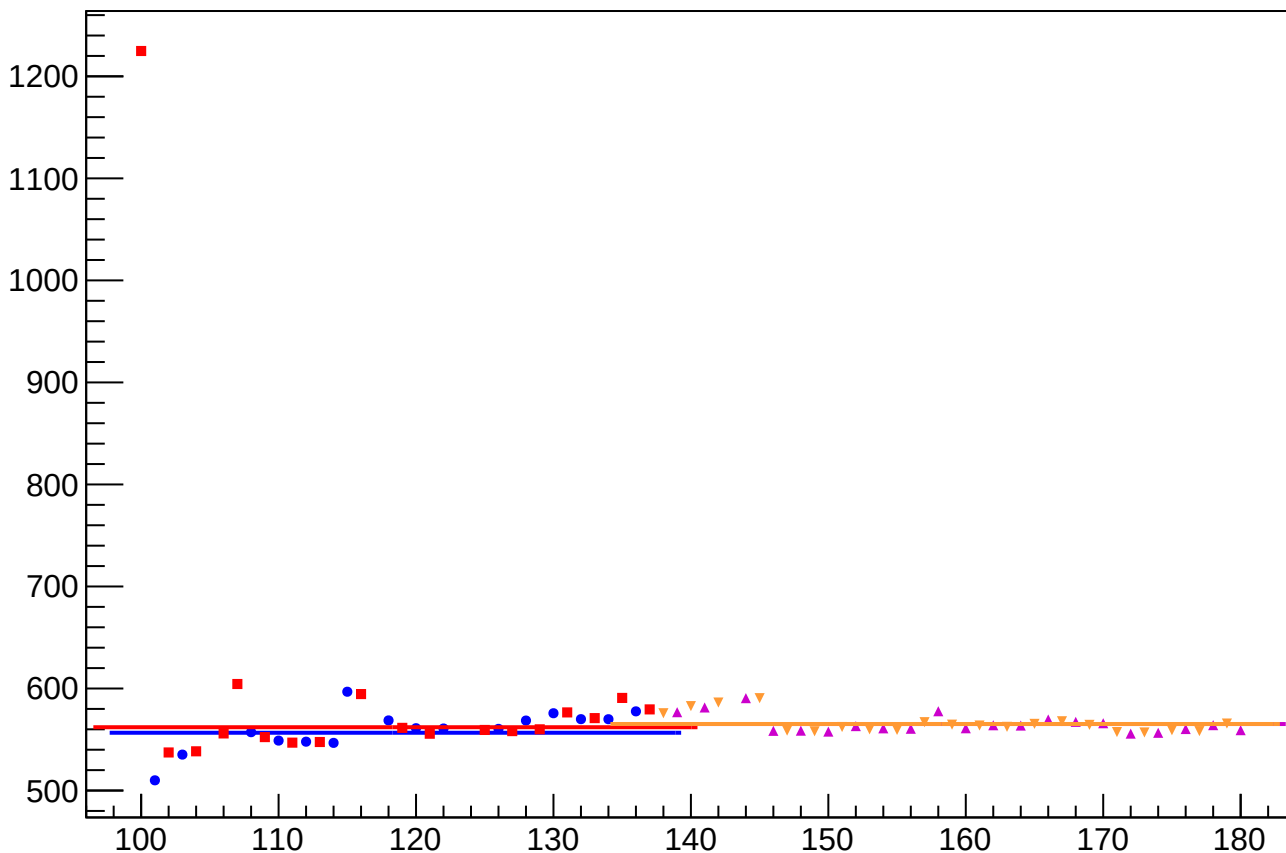
Left In: -923.362 ± 139.319 χ^2/NDF : 23.8/20

+ sign 813.476 ± 118.300 χ^2/NDF : 22.0/36

All: -75.343 ± 83.026 χ^2/NDF : 171.3/75

- sign -938.087 ± 116.552 χ^2/NDF : 38.1/38

reg_asym_left_avg_rms vs Slug



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

Left Out: 565.223 $\pm$ 0.100 χ^2 /NDF: 7892.3/20

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

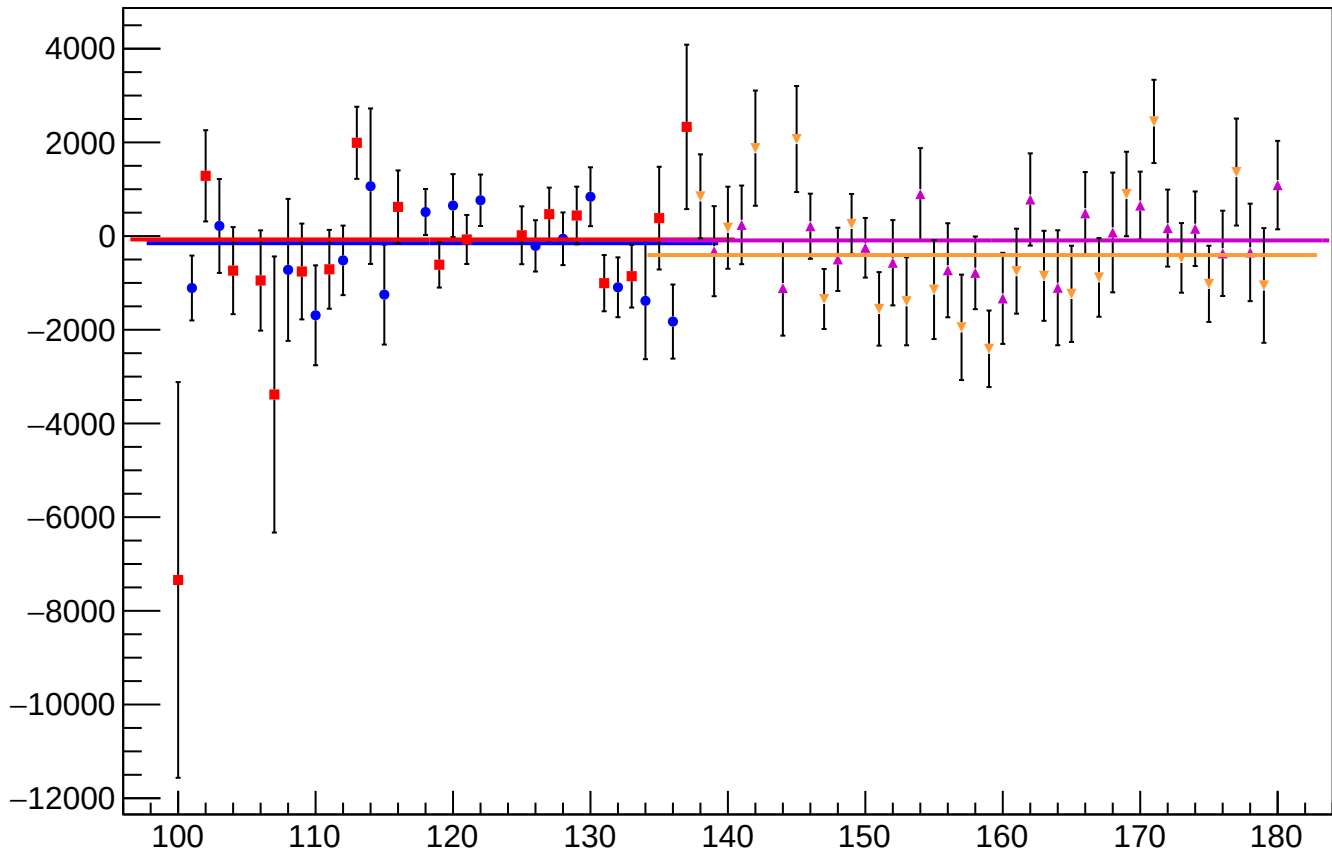
Left In: 565.181 $\pm$ 0.099 χ^2 /NDF: 8147.5/20

+ sign 562.652 $\pm$ 0.084 χ^2 /NDF: 28494.0/36

All: 563.458 $\pm$ 0.059 χ^2 /NDF: 92703.4/75

- sign 564.241 $\pm$ 0.082 χ^2 /NDF: 64026.4/38

asym_left_avg_correction_mean vs Slug



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

Left Out: -405.238 ± 193.421 χ^2/NDF : 42.5/20

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

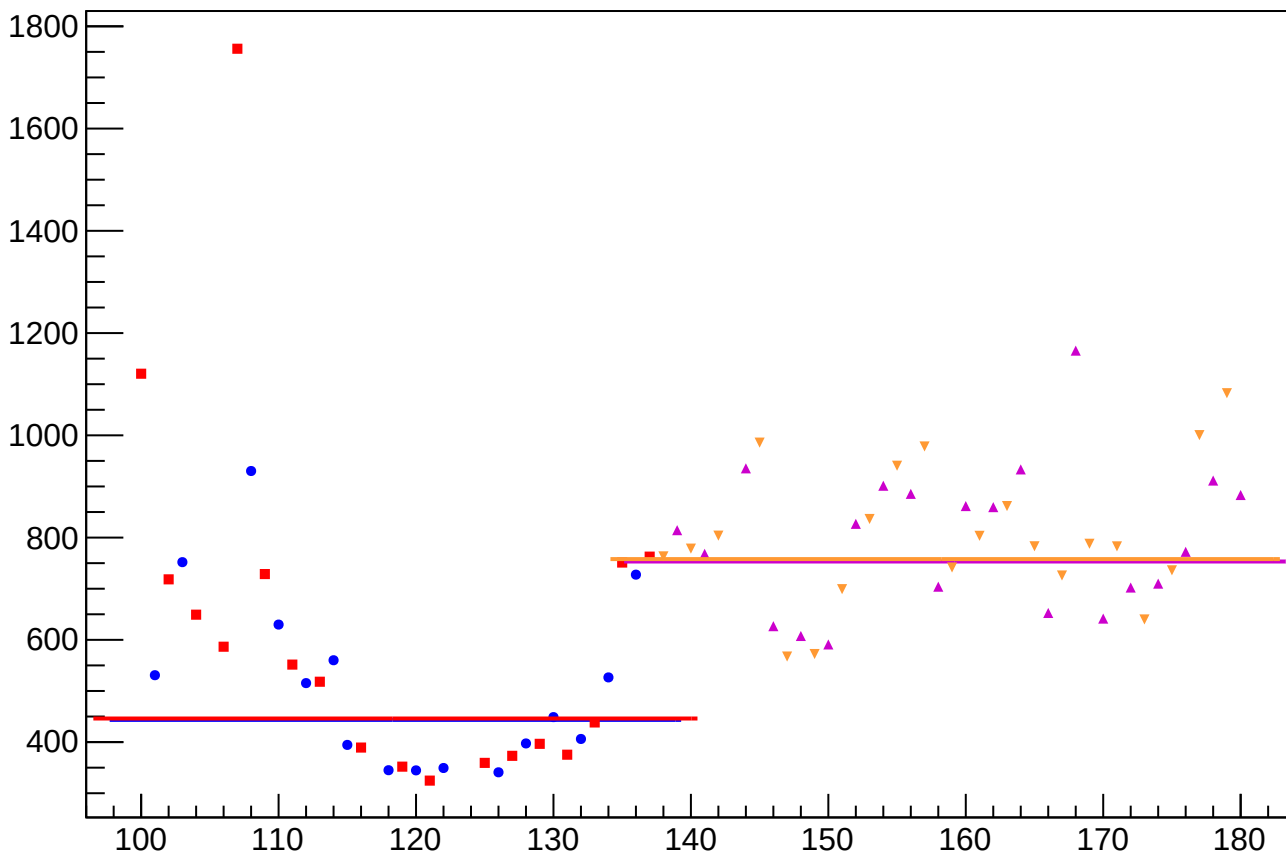
Left In: -92.801 ± 189.081 χ^2/NDF : 10.8/20

+ sign -269.518 ± 131.799 χ^2/NDF : 65.7/36

All: -174.211 ± 92.503 χ^2/NDF : 102.6/75

- sign -81.685 ± 129.862 χ^2/NDF : 35.8/38

asym_left_avg_correction_rms vs Slug



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

Left Out: 757.943+/-0.137 χ^2/NDF : 911853.5/20

+ sign 589.476+/-0.093 χ^2/NDF : 4805144.5/36

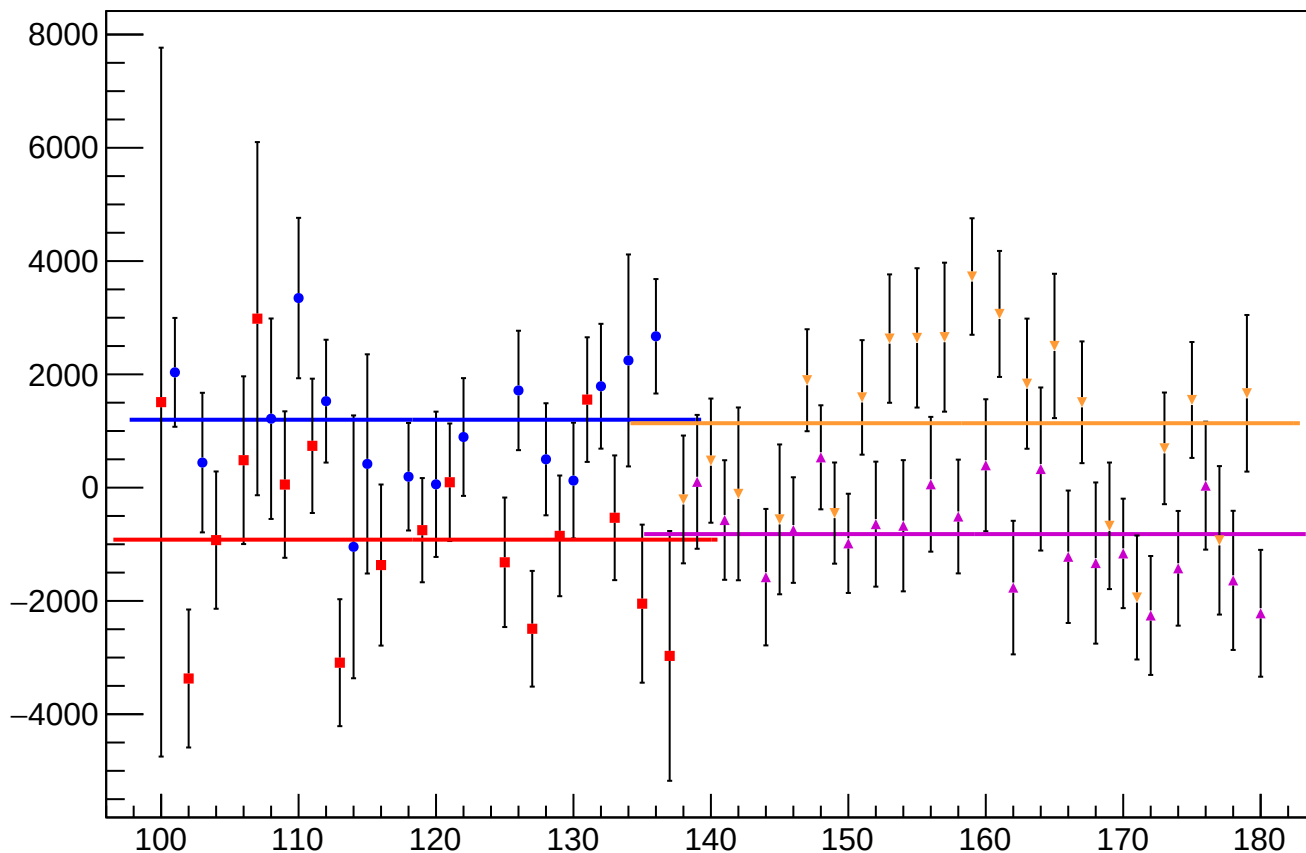
Right Out: 446.147+/-0.126 χ^2/NDF : 1459986.4/17

All: 590.247+/-0.065 χ^2/NDF : 9987727.4/75

- sign 590.995+/-0.092 χ^2/NDF : 5182448.3/38

Left In: 753.222+/-0.134 χ^2/NDF : 935660.8/20

asym_left_avg_mean vs Slug



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

Left Out: 1137.486 $\pm$ 243.818 χ^2 /NDF: 37.3/20

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

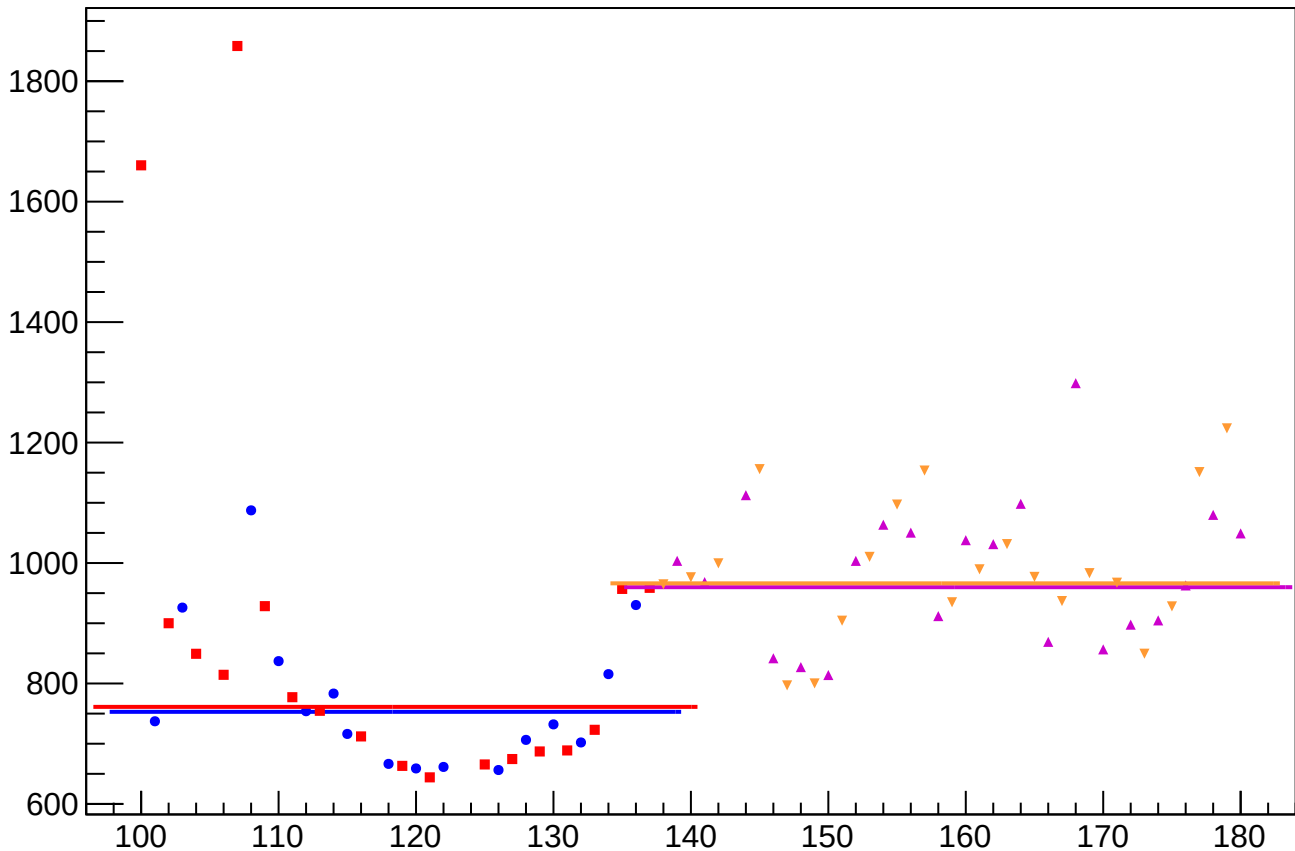
Left In: -820.121 $\pm$ 238.578 χ^2 /NDF: 11.5/20

+ sign 1162.416 $\pm$ 187.999 χ^2 /NDF: 48.5/36

All: 135.753 $\pm$ 131.891 χ^2 /NDF: 142.0/75

- sign -859.261 $\pm$ 185.078 χ^2 /NDF: 34.8/38

asym_left_avg_rms vs Slug



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

Left Out: 966.271 ± 0.172 χ^2/NDF : 407162.9/20

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

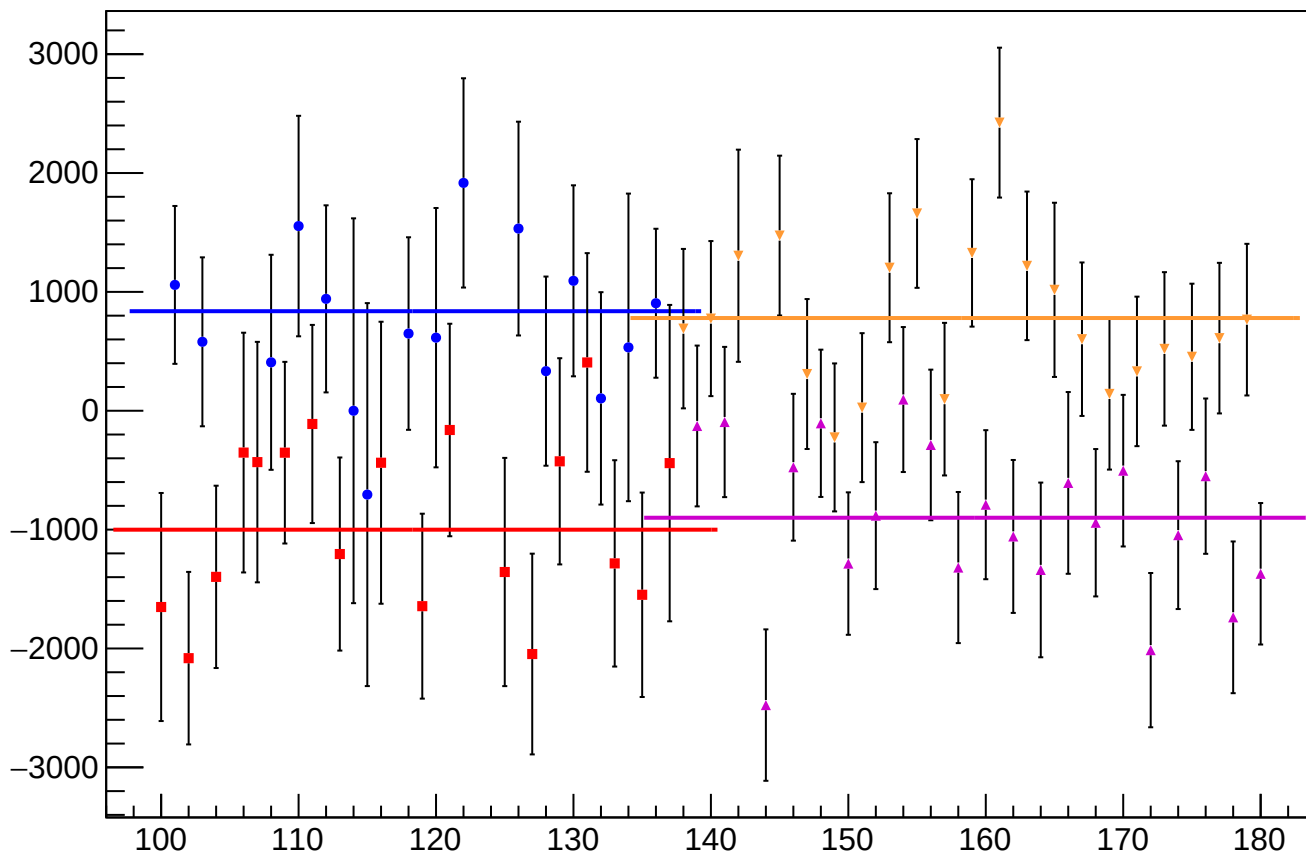
Left In: 959.868 ± 0.169 χ^2/NDF : 427516.3/20

+ sign 879.772 ± 0.133 χ^2/NDF : 1280512.7/36

All: 880.265 ± 0.093 χ^2/NDF : 2777656.2/75

- sign 880.742 ± 0.131 χ^2/NDF : 1497116.4/38

reg_asym_left_dd_mean vs Slug



Right In: 837.557 ± 216.015 $\chi^2/\text{NDF}: 5.7/15$

Left Out: 780.155 ± 141.225 $\chi^2/\text{NDF}: 19.9/20$

Right Out: -1000.617 ± 207.748 $\chi^2/\text{NDF}: 12.5/17$

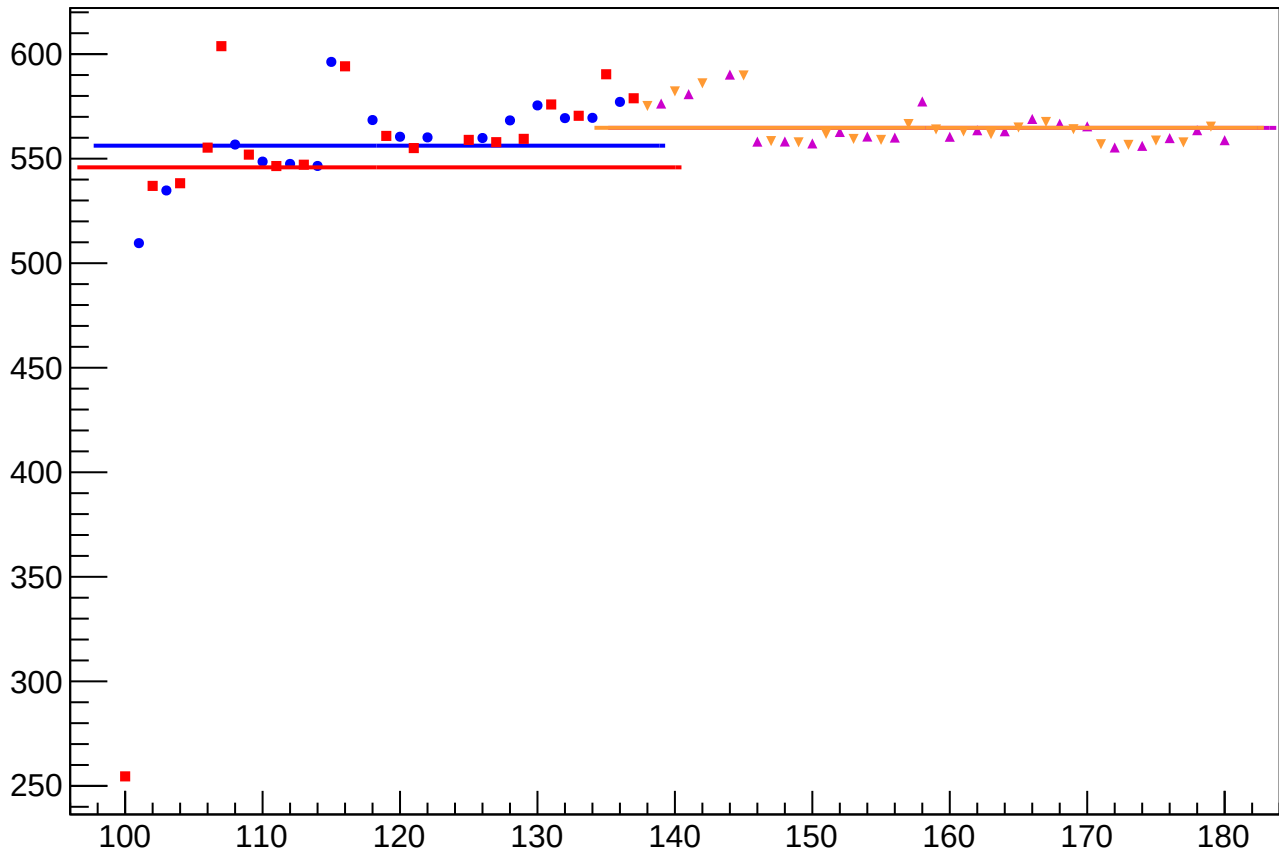
Left In: -900.107 ± 139.206 $\chi^2/\text{NDF}: 22.2/20$

+ sign 797.344 ± 118.205 $\chi^2/\text{NDF}: 25.6/36$

All: -85.882 ± 82.663 $\chi^2/\text{NDF}: 169.8/75$

- sign -931.252 ± 115.644 $\chi^2/\text{NDF}: 34.9/38$

reg_asym_left_dd_rms vs Slug



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

Left Out: 564.762 $\pm$ 0.100 χ^2 /NDF: 7827.4/20

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

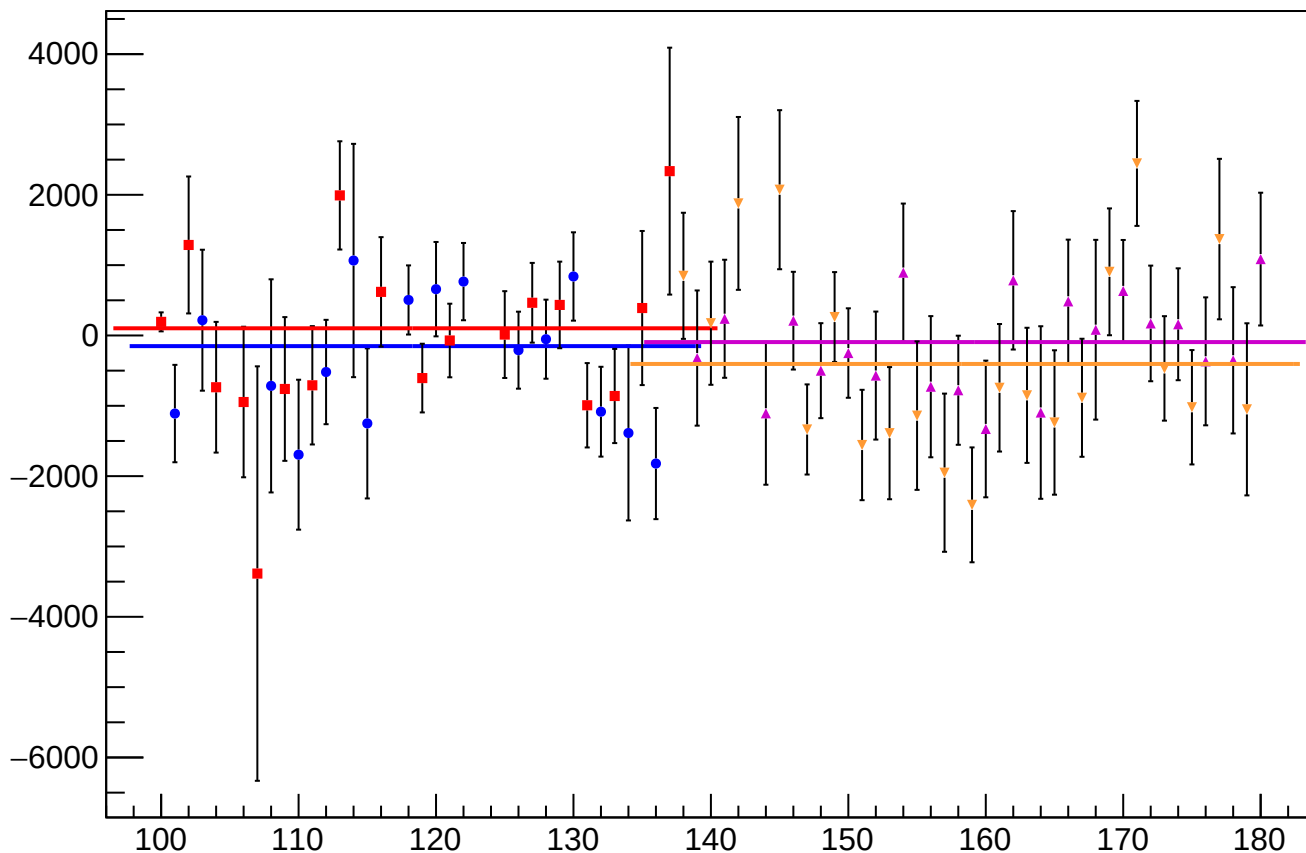
Left In: 564.722 $\pm$ 0.098 χ^2 /NDF: 8167.9/20

+ sign 562.201 $\pm$ 0.084 χ^2 /NDF: 28440.7/36

All: 560.500 $\pm$ 0.058 χ^2 /NDF: 256455.7/75

- sign 558.872 $\pm$ 0.082 χ^2 /NDF: 227204.5/38

asym_left_dd_correction_mean vs Slug



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

Left Out: -404.947 ± 193.339 χ^2/NDF : 42.5/20

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

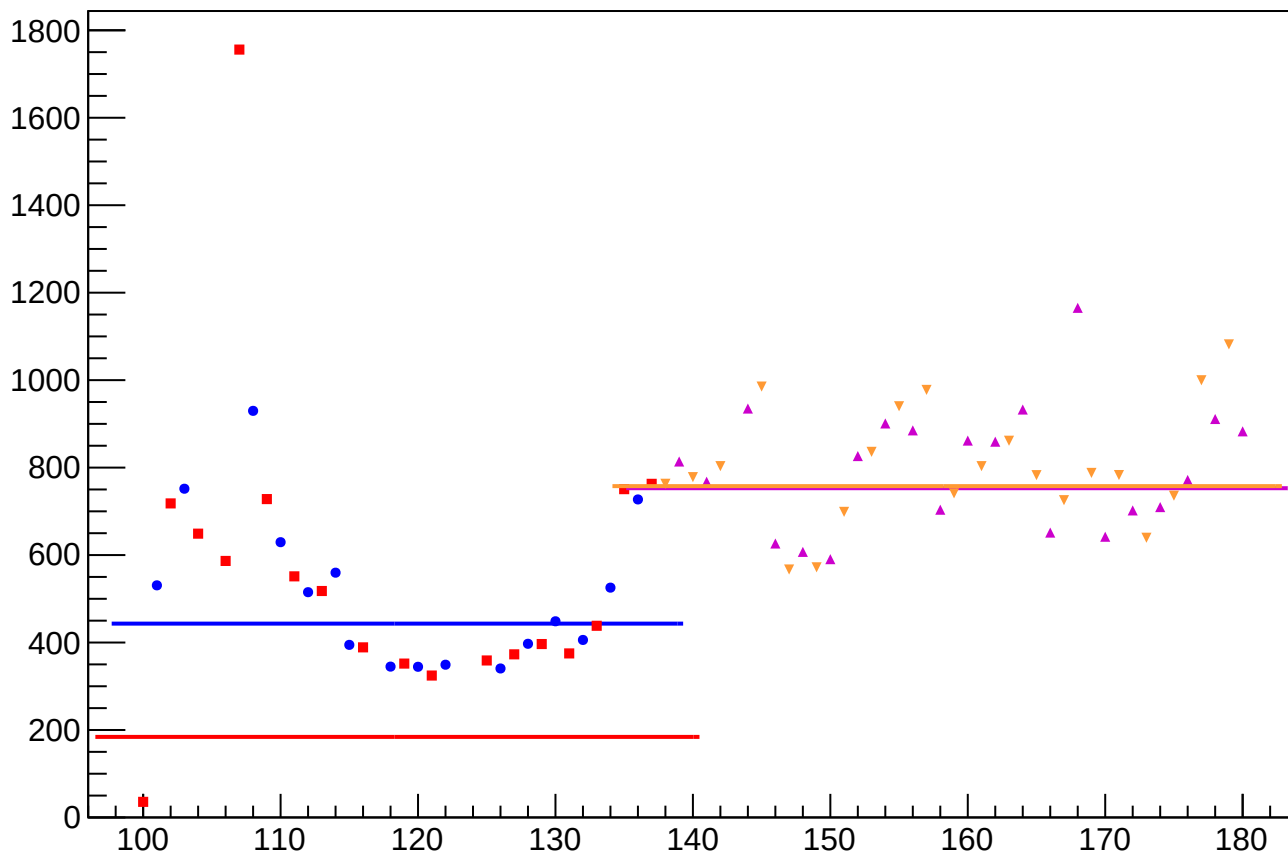
Left In: -93.931 ± 188.996 χ^2/NDF : 10.7/20

+ sign -269.151 ± 131.739 χ^2/NDF : 65.7/36

All: -54.353 ± 76.290 χ^2/NDF : 104.5/75

- sign 54.027 ± 93.578 χ^2/NDF : 34.8/38

asym_left_dd_correction_rms vs Slug



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

Left Out: 757.639+/-0.137 χ^2/NDF : 912220.5/20

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

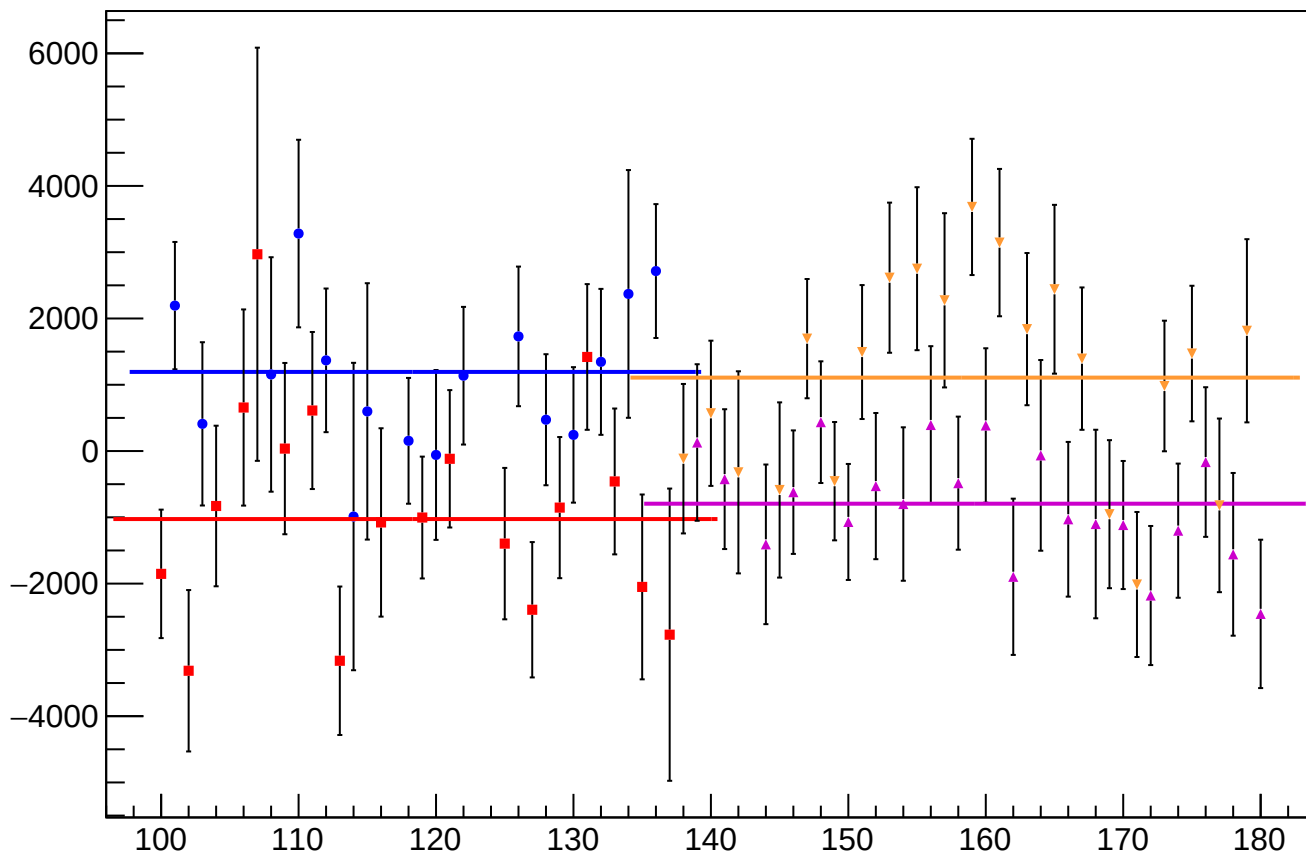
Left In: 752.883+/-0.134 χ^2/NDF : 935863.0/20

+ sign 589.212+/-0.093 χ^2/NDF : 4806227.9/36

All: 412.693+/-0.054 χ^2/NDF : 32892209.7/75

- sign 323.627+/-0.066 χ^2/NDF : 22683446.6/38

asym_left_dd_mean vs Slug



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

Left Out: 1107.898 $\pm$ 243.679 χ^2 /NDF: 37.2/20

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

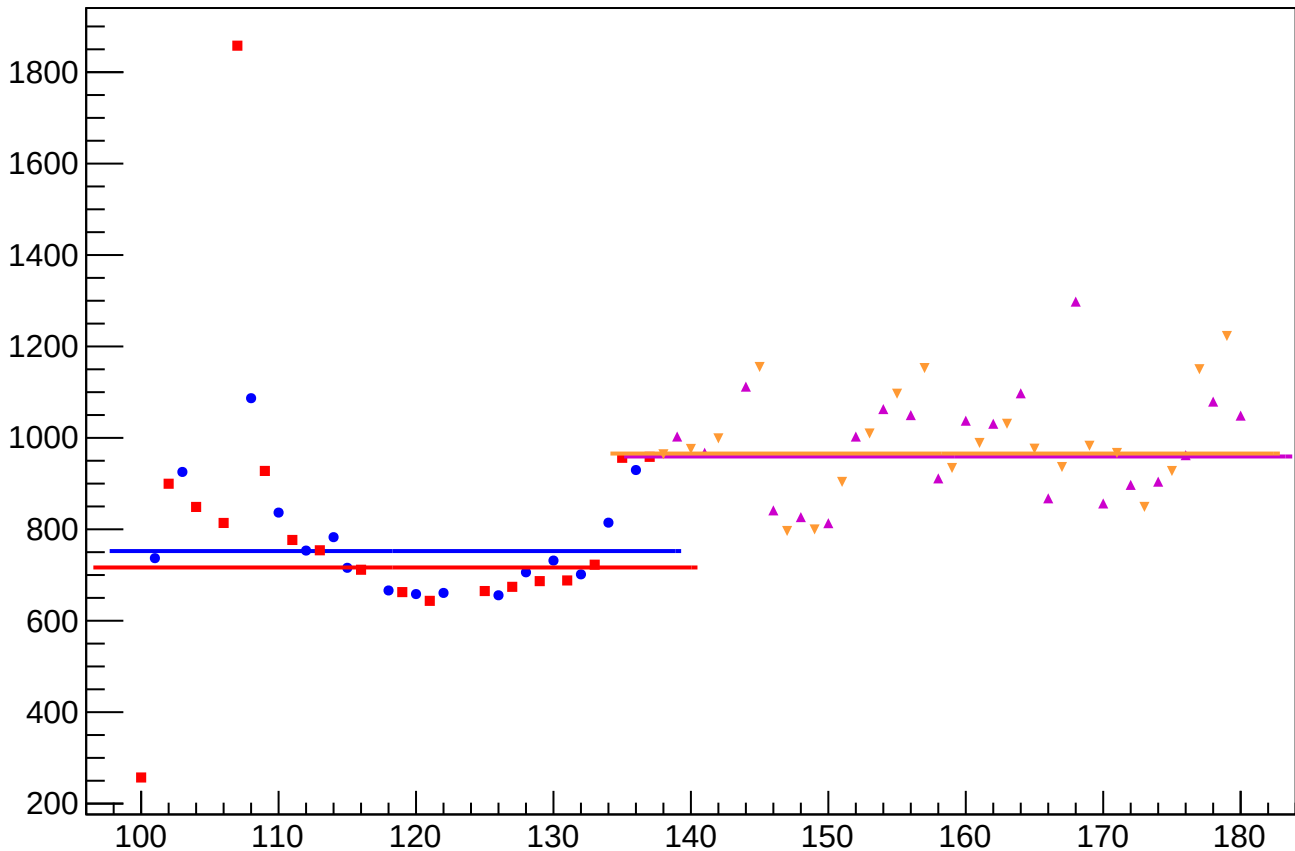
Left In: -794.499 $\pm$ 238.440 χ^2 /NDF: 11.2/20

+ sign 1142.752 $\pm$ 187.884 χ^2 /NDF: 48.5/36

All: 91.910 $\pm$ 130.635 χ^2 /NDF: 143.2/75

- sign -891.534 $\pm$ 181.759 χ^2 /NDF: 34.2/38

asym_left_dd_rms vs Slug



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

Left Out: 965.731+/-0.172 χ^2/NDF : 407017.6/20

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

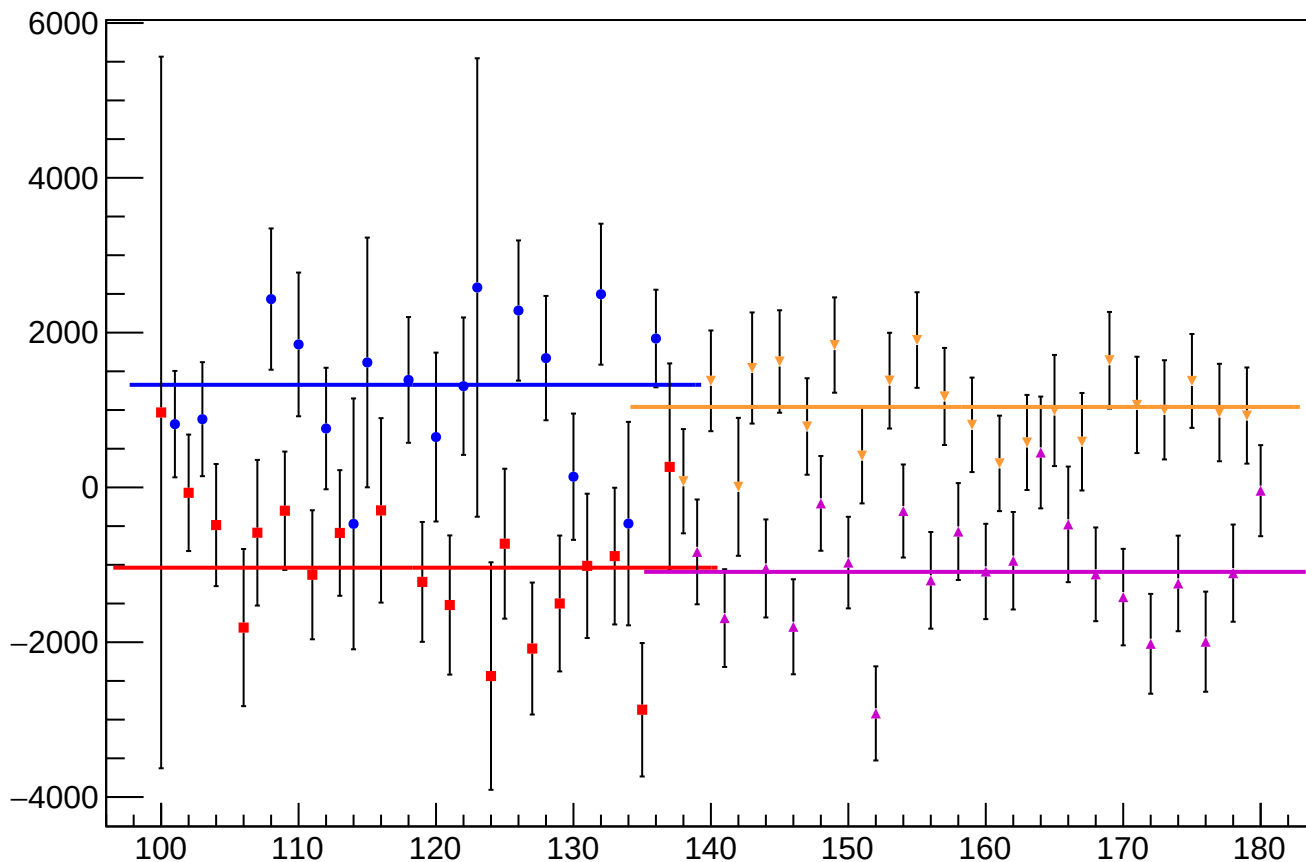
Left In: 959.307+/-0.169 χ^2/NDF : 427798.0/20

+ sign 879.234+/-0.133 χ^2/NDF : 1281143.6/36

All: 868.059+/-0.092 χ^2/NDF : 3558230.4/75

- sign 857.599+/-0.129 χ^2/NDF : 2263388.1/38

reg_asym_right_avg_mean vs Slug



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

Left Out: 1039.698 $\pm$ 136.704 χ^2/NDF : 14.0/21

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

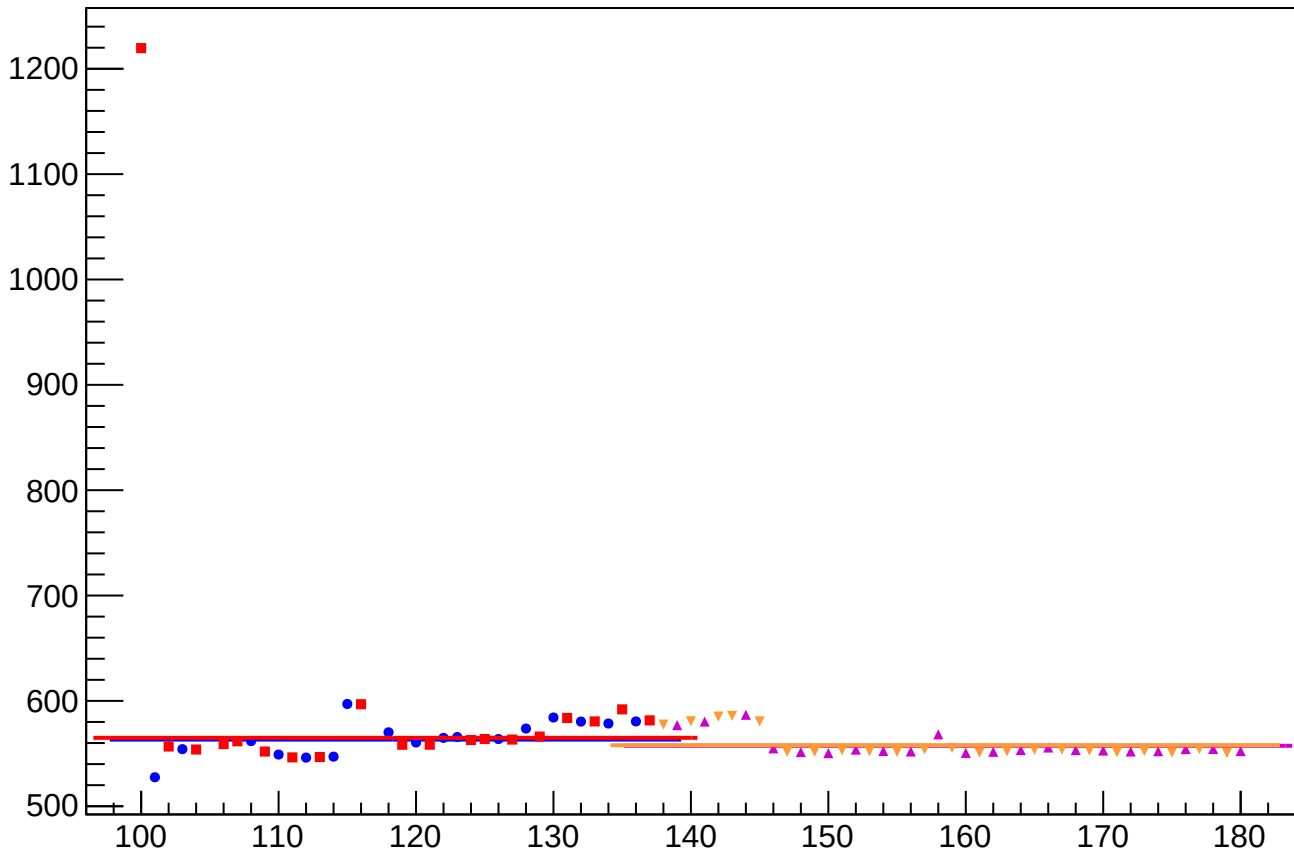
Left In: -1091.052 $\pm$ 137.405 χ^2/NDF : 28.8/20

+ sign 1120.386 $\pm$ 115.832 χ^2/NDF : 28.1/38

All: 17.026 $\pm$ 81.695 χ^2/NDF : 251.0/78

- sign -1075.027 $\pm$ 115.237 χ^2/NDF : 42.3/39

reg_asym_right_avg_rms vs Slug



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

Left Out: 557.892 $\pm$ 0.097 χ^2 /NDF: 14100.1/21

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

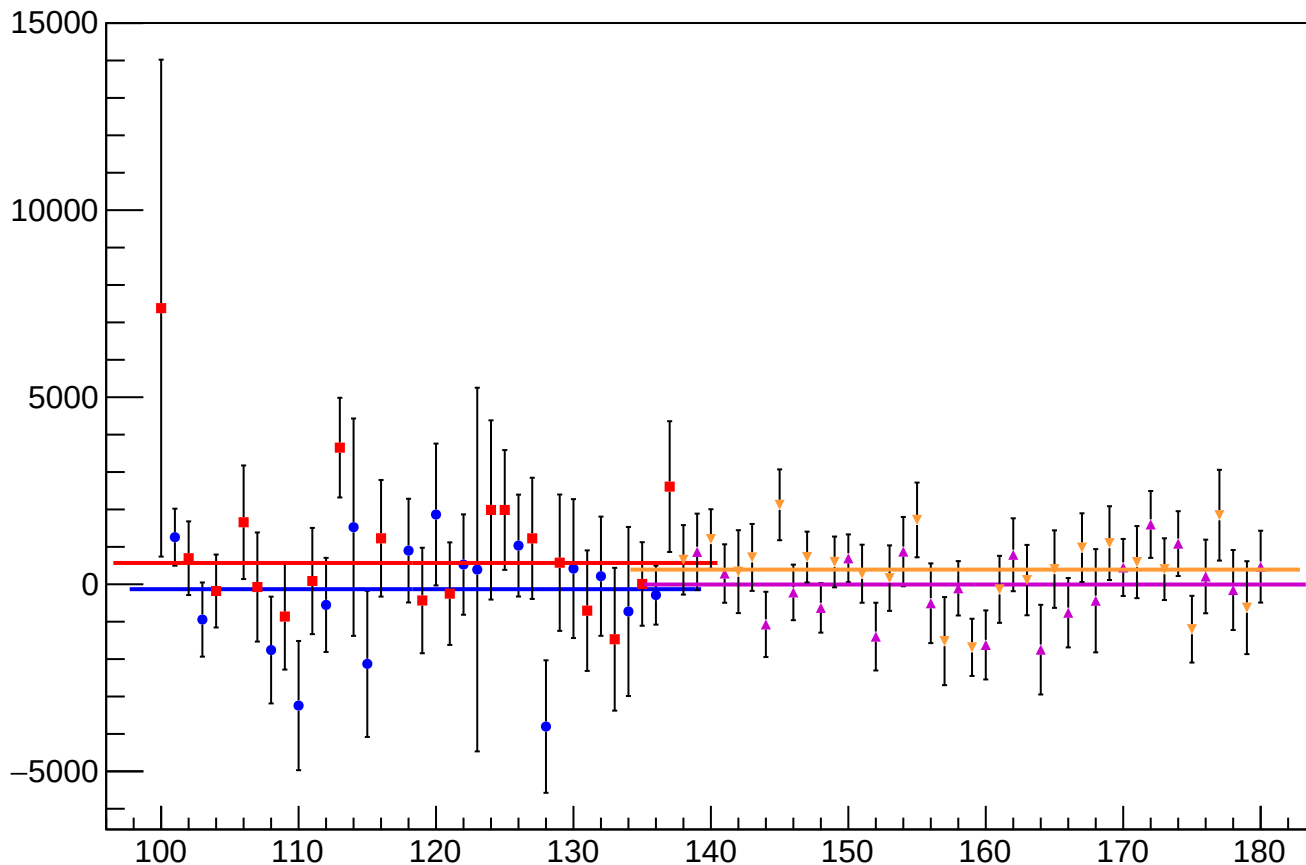
Left In: 557.389 $\pm$ 0.097 χ^2 /NDF: 11297.3/20

+ sign 559.408 $\pm$ 0.082 χ^2 /NDF: 27491.9/38

All: 559.520 $\pm$ 0.058 χ^2 /NDF: 89882.4/78

- sign 559.630 $\pm$ 0.081 χ^2 /NDF: 62386.7/39

asym_right_avg_correction_mean vs Slug



Right In: -131.097 ± 327.588 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 391.957 ± 191.347 $\chi^2/\text{NDF}: 23.5/21$

Right Out: 569.844 ± 332.404 $\chi^2/\text{NDF}: 14.6/18$

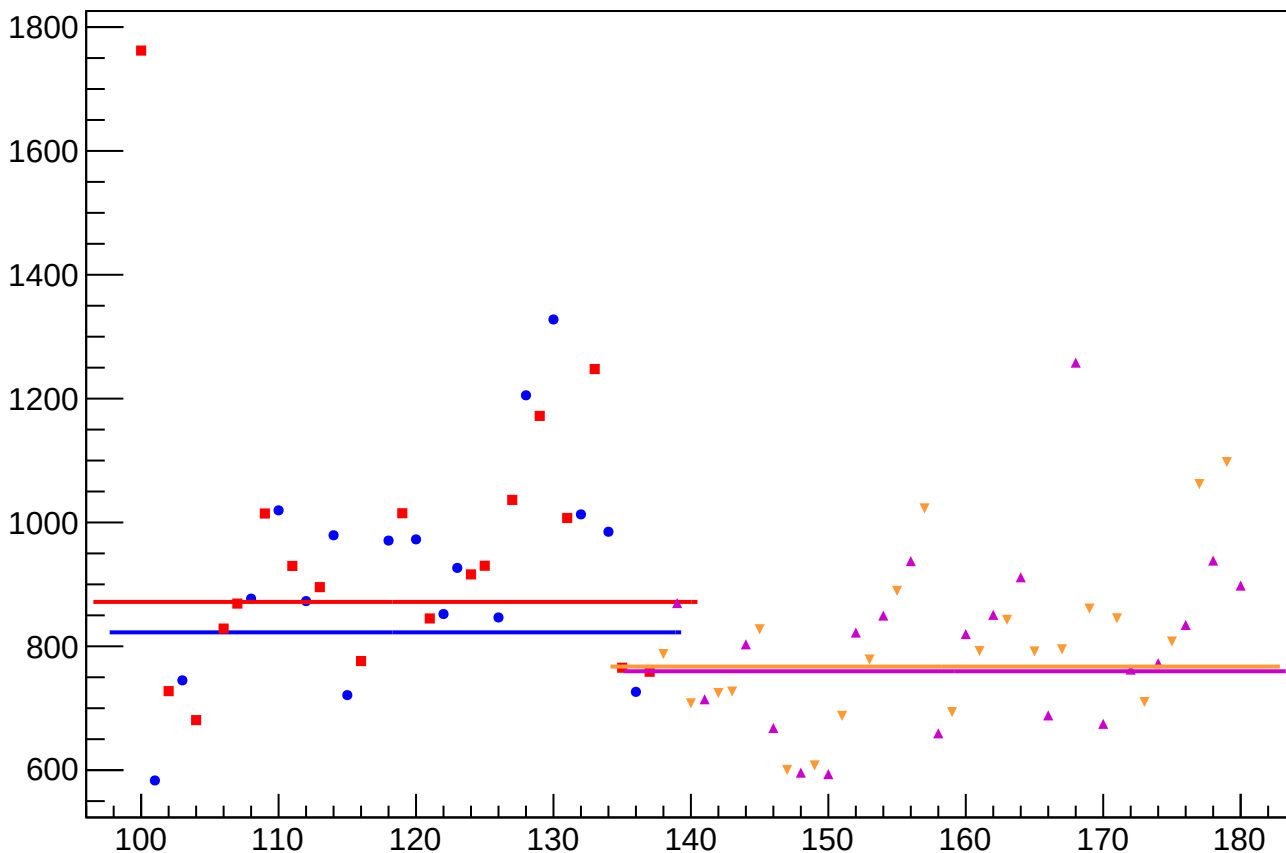
Left In: -6.135 ± 190.602 $\chi^2/\text{NDF}: 20.1/20$

+ sign 258.897 ± 165.226 $\chi^2/\text{NDF}: 42.6/38$

All: 197.685 ± 116.875 $\chi^2/\text{NDF}: 79.9/78$

- sign 136.383 ± 165.348 $\chi^2/\text{NDF}: 37.0/39$

asym_right_avg_correction_rms vs Slug



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

Left Out: 767.304 ± 0.135 χ^2/NDF : 744560.6/21

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

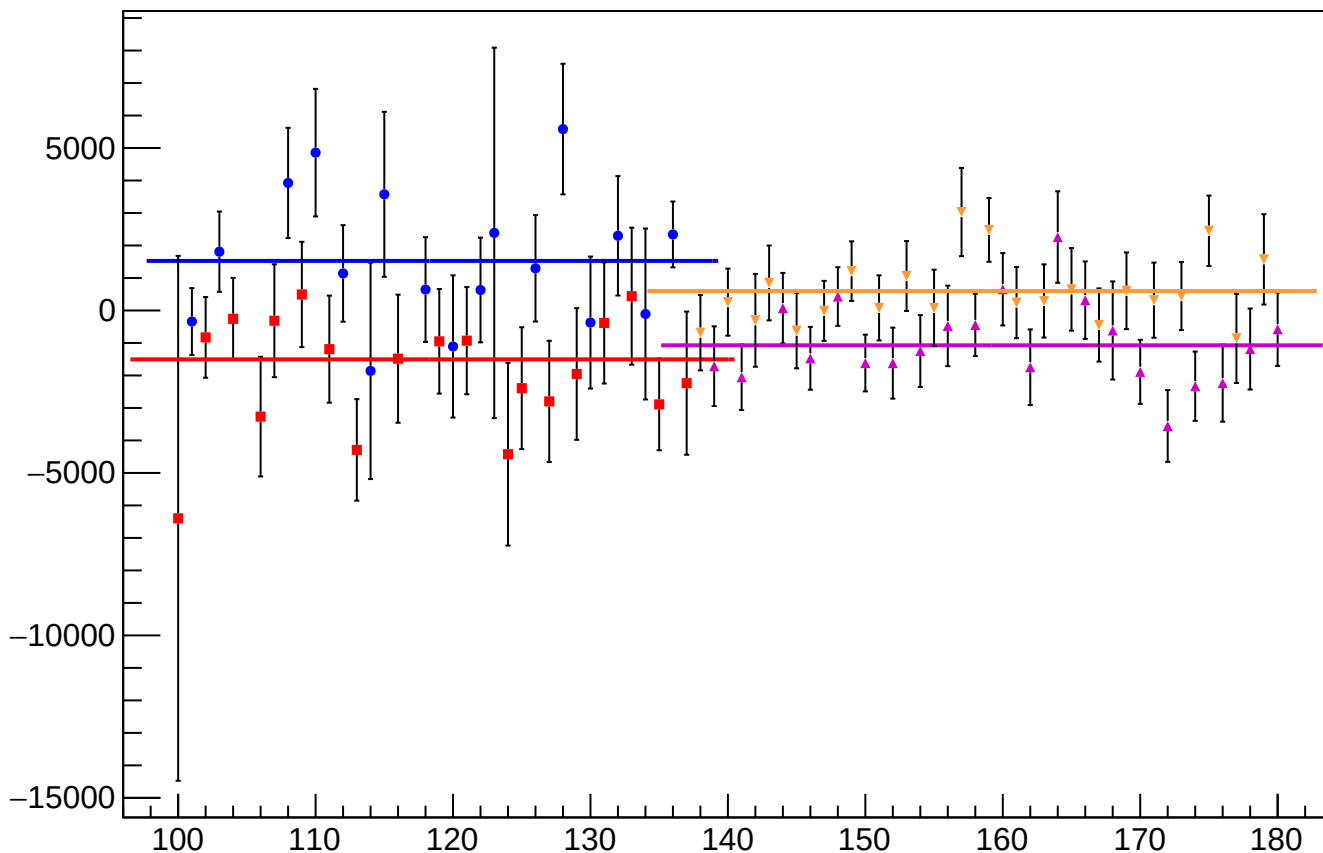
Left In: 759.691 ± 0.135 χ^2/NDF : 909820.4/20

+ sign 781.352 ± 0.117 χ^2/NDF : 1387892.7/38

All: 784.374 ± 0.083 χ^2/NDF : 2876748.2/78

- sign 787.401 ± 0.117 χ^2/NDF : 1487516.4/39

asym_right_avg_mean vs Slug



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

Left Out: 598.198 $\pm$ 238.977 χ^2 /NDF: 17.0/21

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

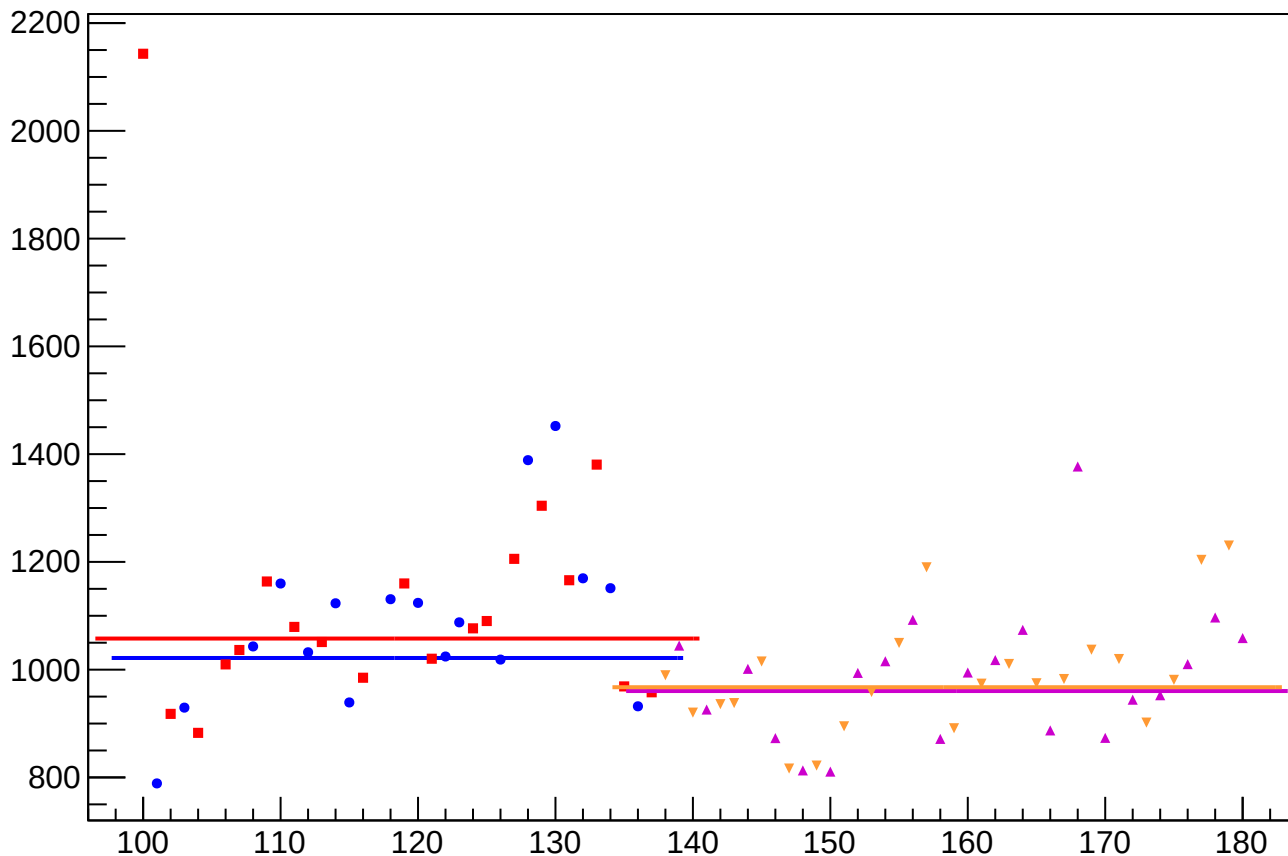
Left In: -1071.957 $\pm$ 238.682 χ^2 /NDF: 24.7/20

+ sign 840.518 $\pm$ 205.392 χ^2 /NDF: 39.2/38

All: -174.640 $\pm$ 145.081 χ^2 /NDF: 125.6/78

- sign -1185.524 $\pm$ 204.959 χ^2 /NDF: 37.7/39

asym_right_avg_rms vs Slug



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

Left Out: 967.403 $\pm$ 0.169 χ^2 /NDF: 354128.3/21

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

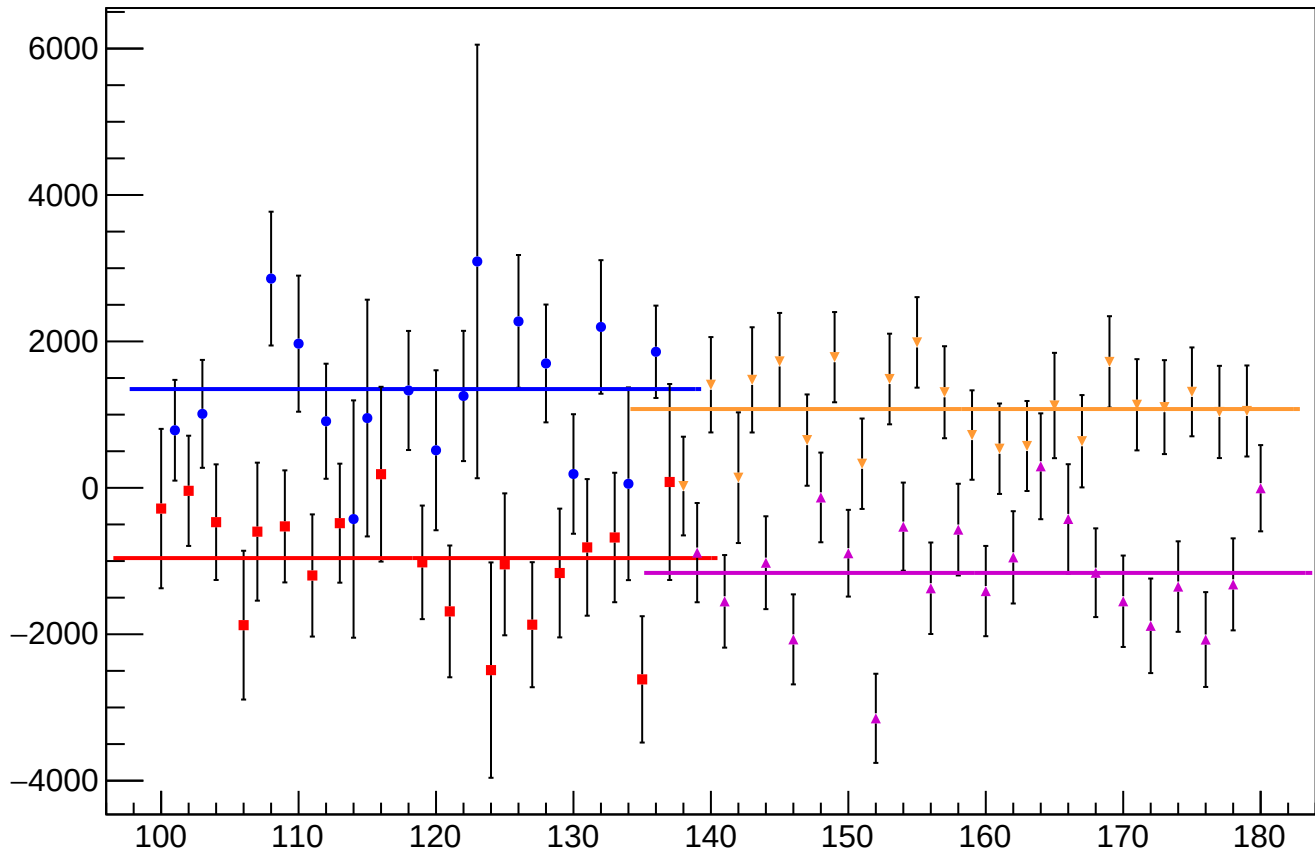
Left In: 960.330 $\pm$ 0.169 χ^2 /NDF: 428298.4/20

+ sign 981.583 $\pm$ 0.145 χ^2 /NDF: 713023.1/38

All: 983.753 $\pm$ 0.103 χ^2 /NDF: 1460205.3/78

- sign 985.913 $\pm$ 0.145 χ^2 /NDF: 746736.7/39

reg_asym_right_dd_mean vs Slug



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

Left Out: 1076.345+/-136.842 χ^2/NDF : 14.6/21

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

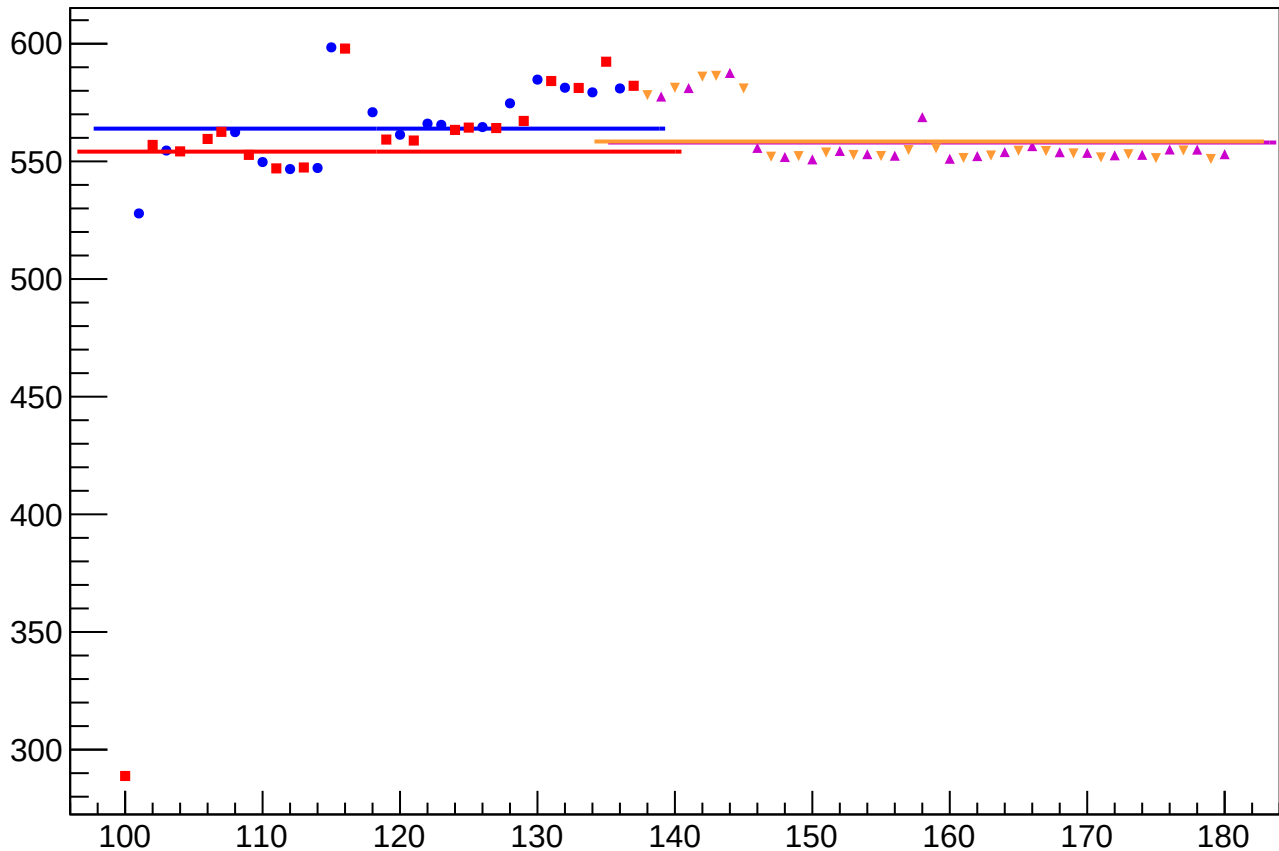
Left In: -1161.964+/-137.560 χ^2/NDF : 31.5/20

+ sign 1153.273+/-115.954 χ^2/NDF : 28.0/38

All: 14.778+/-81.567 χ^2/NDF : 263.2/78

- sign -1100.414+/-114.762 χ^2/NDF : 44.4/39

reg_asym_right_dd_rms vs Slug



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

Left Out: 558.452 ± 0.097 χ^2/NDF : 14144.5/21

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

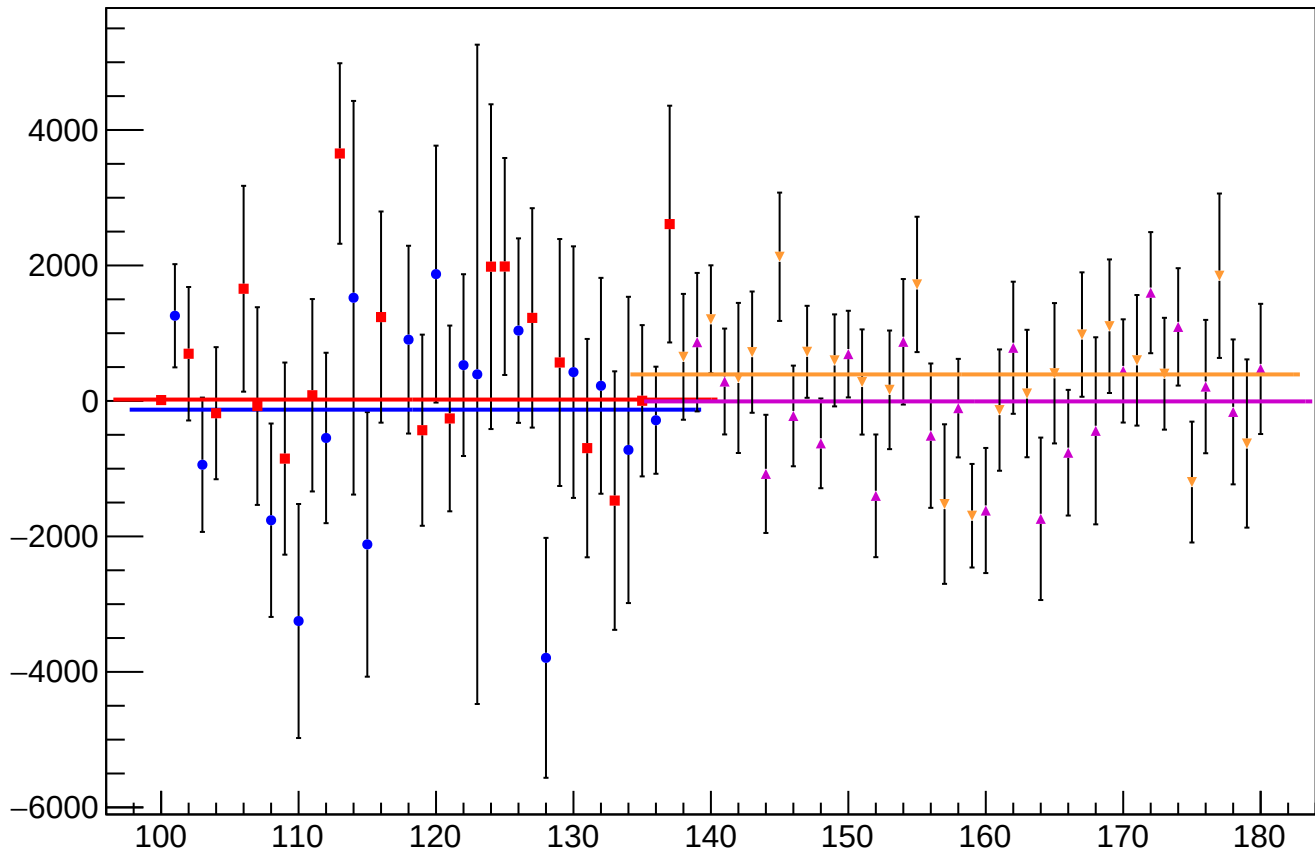
Left In: 558.015 ± 0.097 χ^2/NDF : 11365.9/20

+ sign 559.995 ± 0.082 χ^2/NDF : 27708.7/38

All: 558.400 ± 0.058 χ^2/NDF : 172269.6/78

- sign 556.839 ± 0.081 χ^2/NDF : 143812.3/39

asym_right_dd_correction_mean vs Slug



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

Left Out: 391.503 ± 191.410 χ^2/NDF : 23.6/21

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

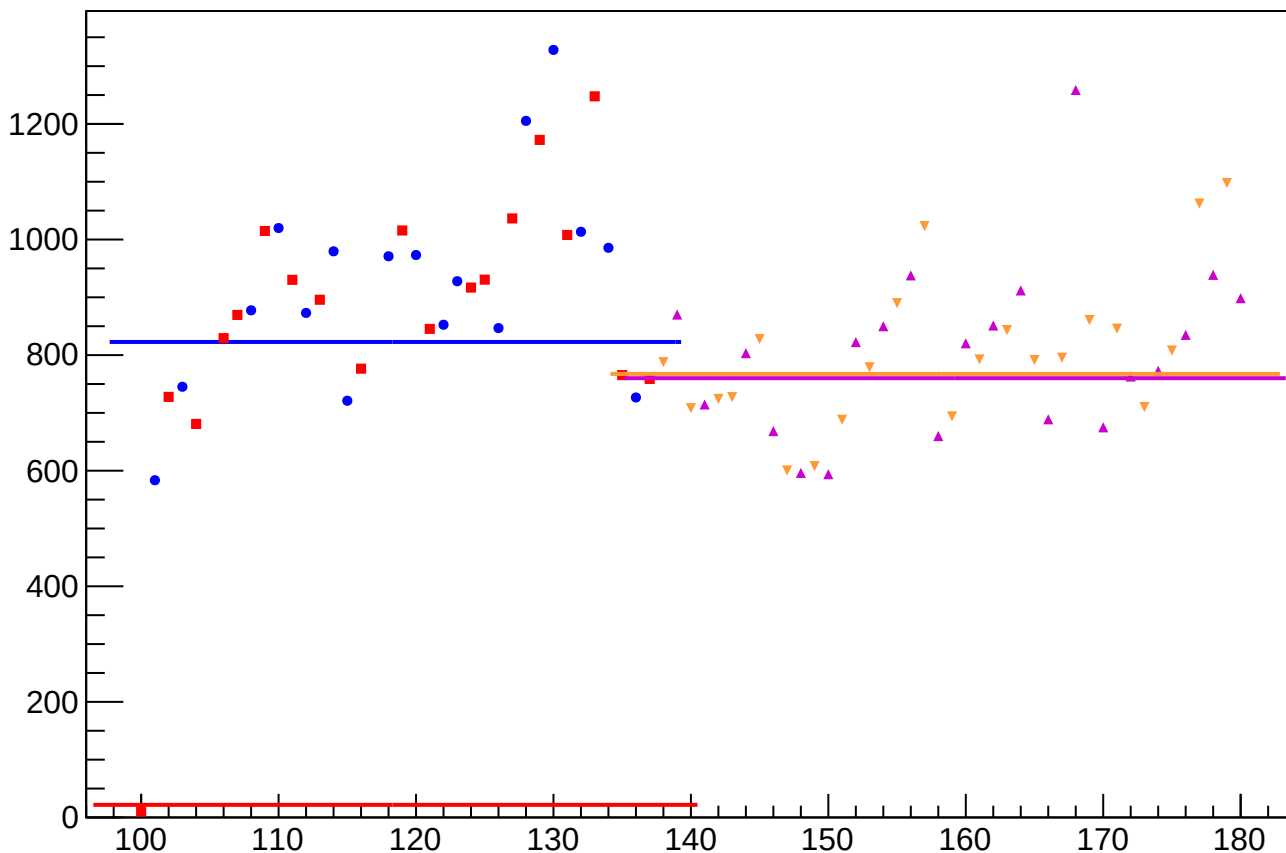
Left In: -6.810 ± 190.694 χ^2/NDF : 20.1/20

+ sign 259.157 ± 165.279 χ^2/NDF : 42.7/38

All: 31.437 ± 37.187 χ^2/NDF : 80.9/78

- sign 19.295 ± 38.166 χ^2/NDF : 36.2/39

asym_right_dd_correction_rms vs Slug



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

Left Out: 767.550 ± 0.135 χ^2/NDF : 744507.4/21

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

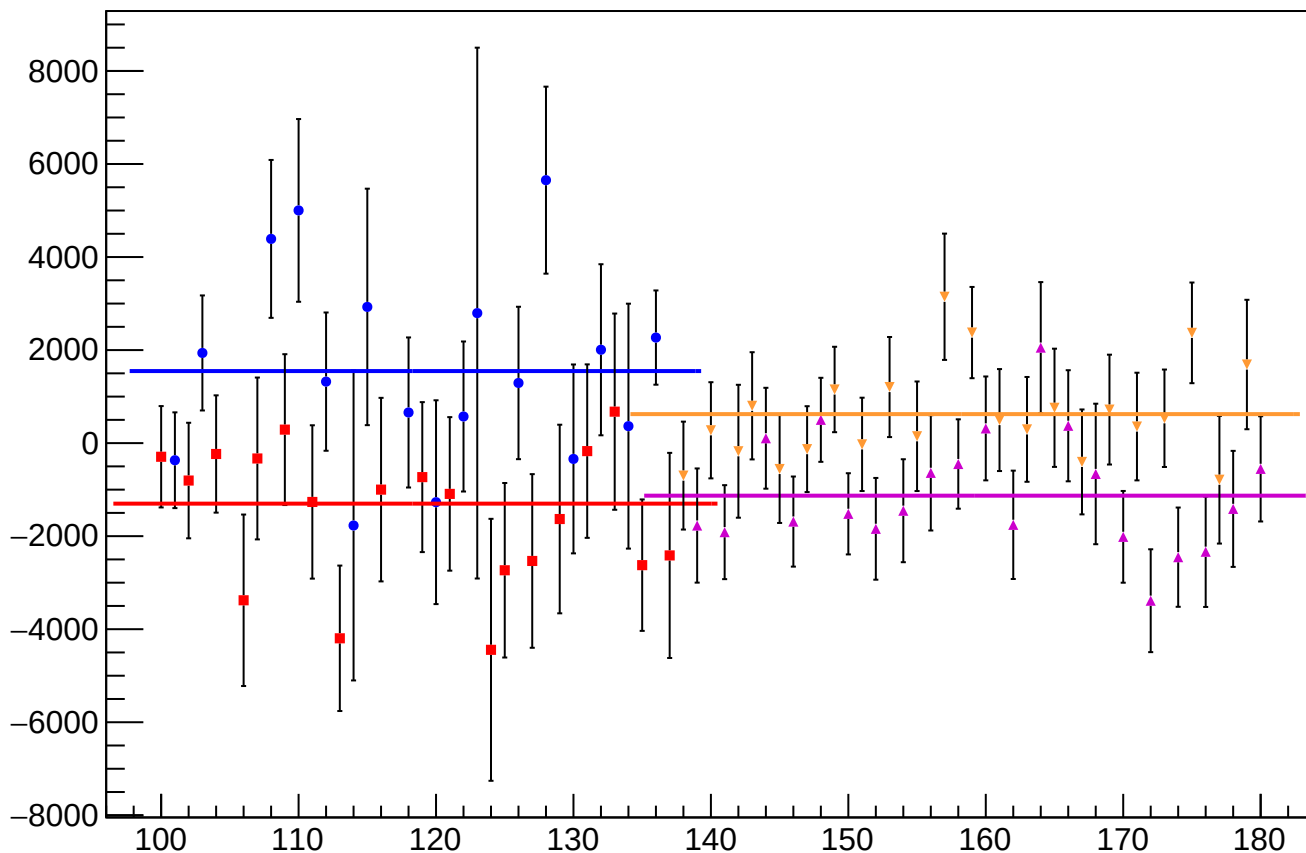
Left In: 760.067 ± 0.135 χ^2/NDF : 909616.2/20

+ sign 781.601 ± 0.117 χ^2/NDF : 1387741.7/38

All: 88.351 ± 0.026 χ^2/NDF : 81658208.1/78

- sign 51.385 ± 0.027 χ^2/NDF : 43208045.5/39

asym_right_dd_mean vs Slug



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

Left Out: 623.582 $\pm$ 239.109 χ^2/NDF : 16.6/21

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

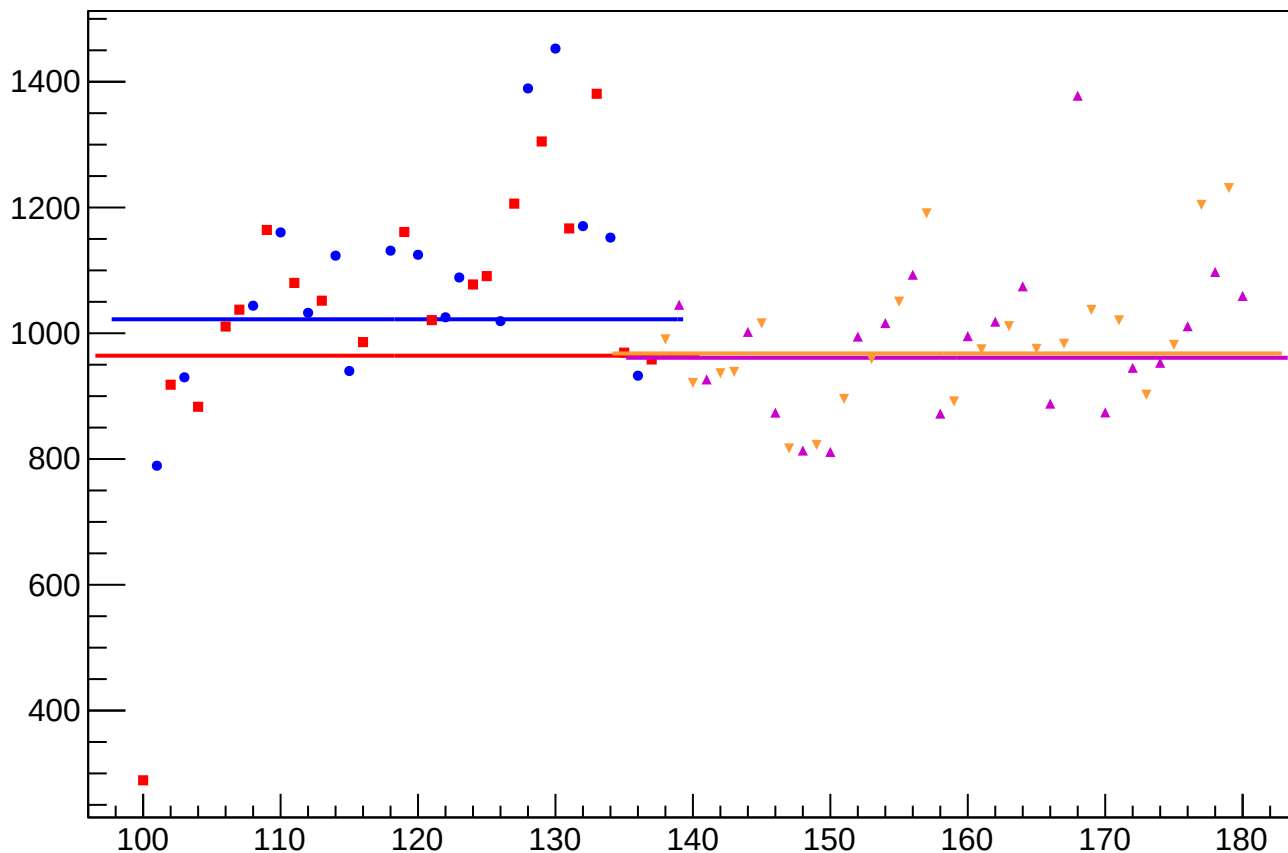
Left In: -1129.600 $\pm$ 238.849 χ^2/NDF : 23.7/20

+ sign 865.382 $\pm$ 205.506 χ^2/NDF : 39.5/38

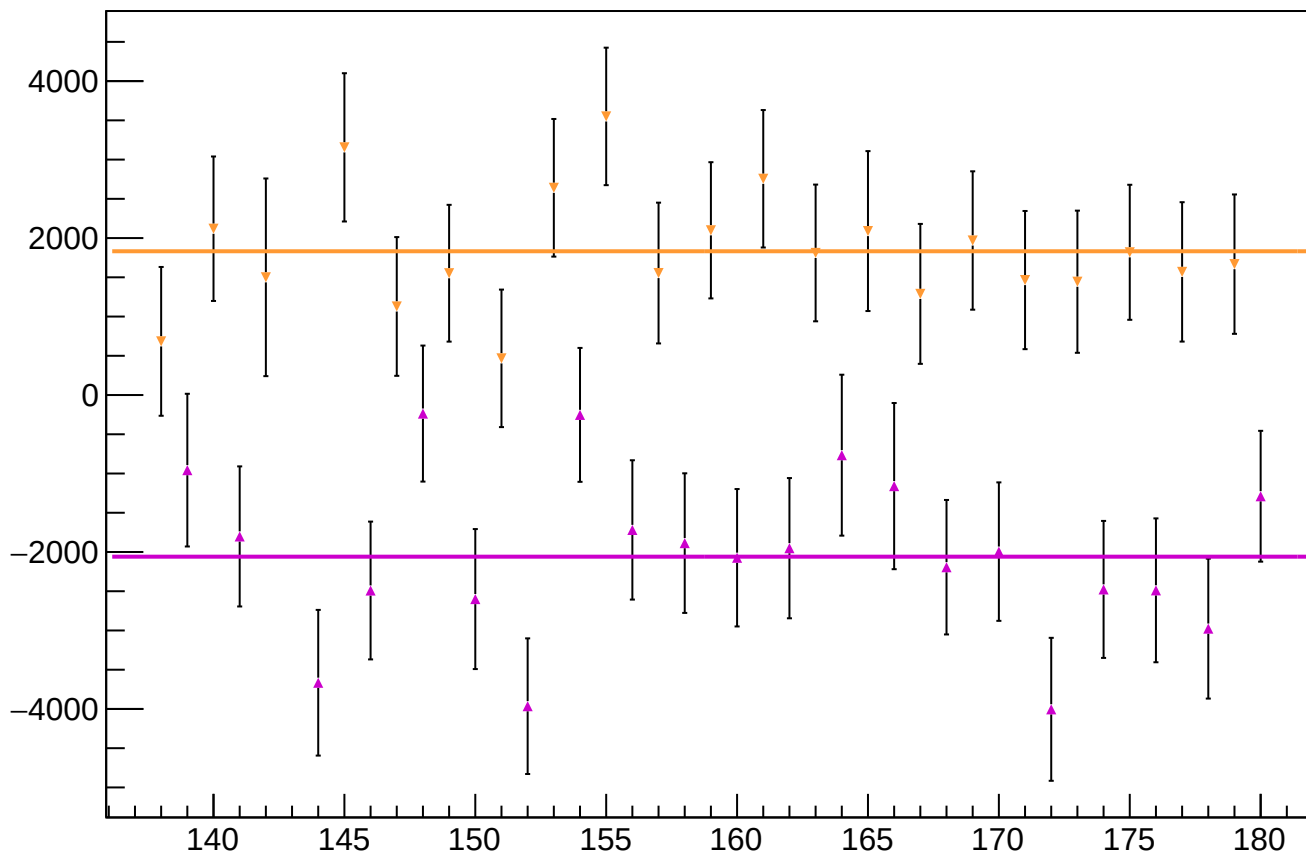
All: -176.260 $\pm$ 143.920 χ^2/NDF : 126.3/78

- sign -1178.855 $\pm$ 201.617 χ^2/NDF : 36.4/39

asym_right_dd_rms vs Slug



cor_asym_us_avg_mean vs Slug



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

Left Out: 1831.987+/-197.474 χ^2/NDF :13.7/20

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

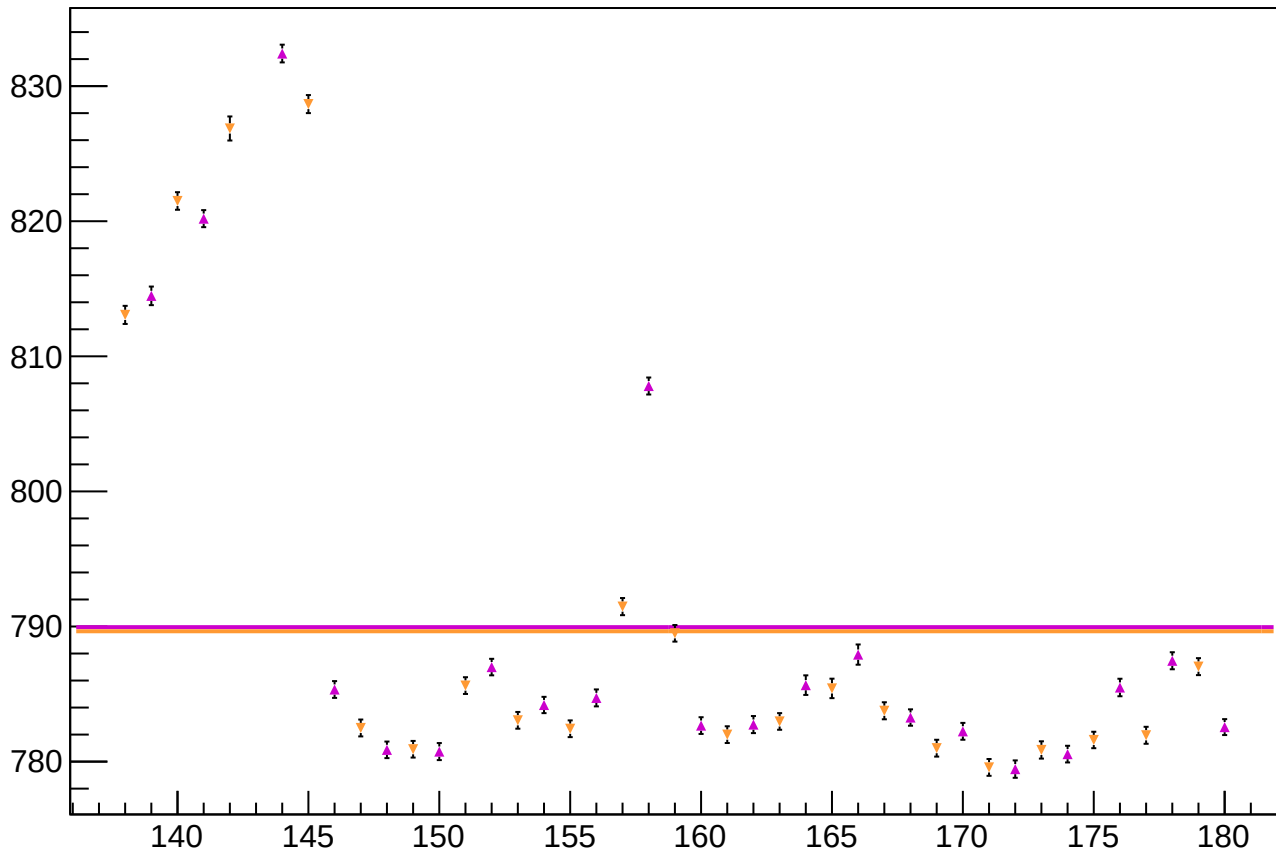
Left In: -2059.650+/-195.897 χ^2/NDF :28.2/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -129.431+/-139.074 χ^2/NDF : 237.6/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_avg_rms vs Slug



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

Left Out: 789.647+/-0.140 χ^2/NDF :10783.8/20

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

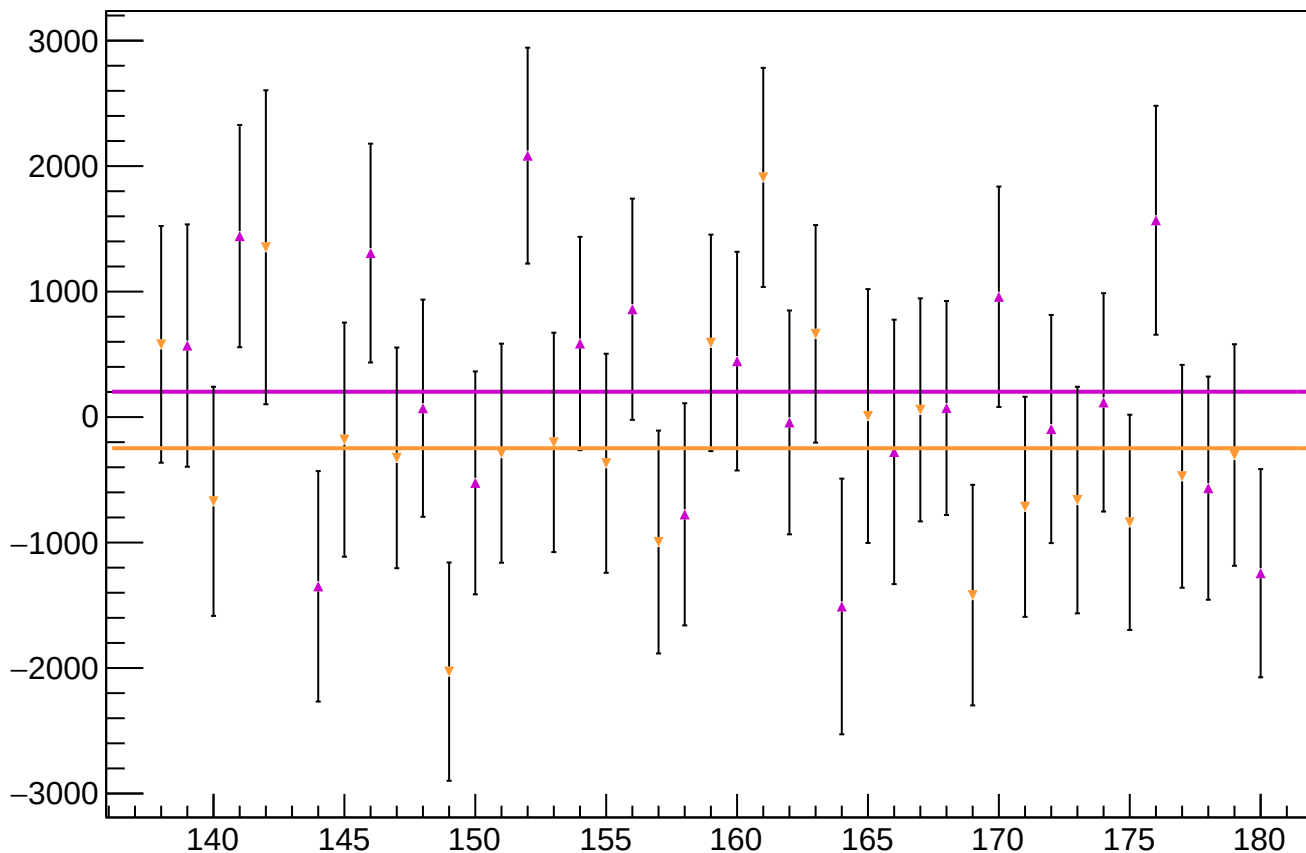
Left In: 789.952+/-0.139 χ^2/NDF :10534.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 789.801+/-0.098 χ^2/NDF : 21320.3/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_mean vs Slug



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

Left Out: -248.164+/-196.543 χ^2/NDF : 18.7/20

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

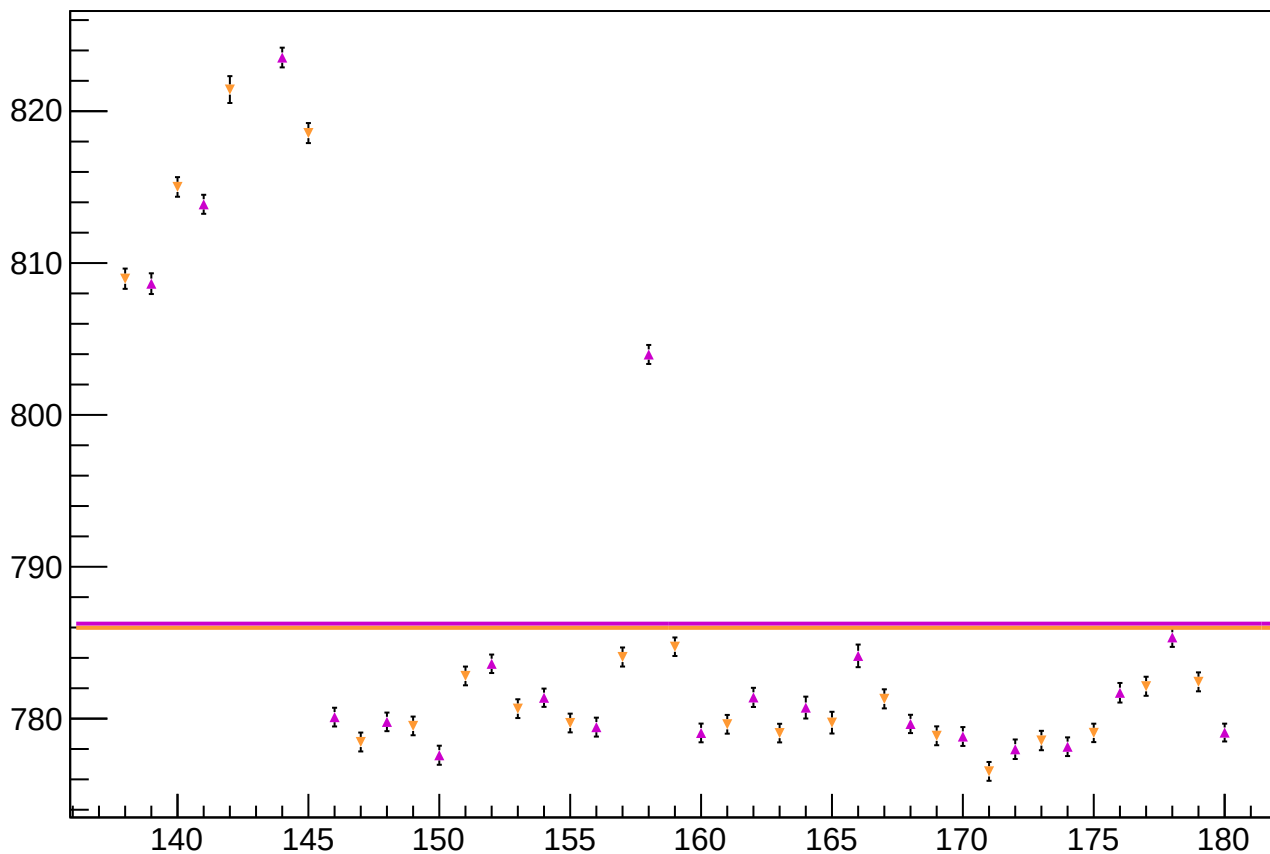
Left In: 202.038+/-194.972 χ^2/NDF : 24.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.257+/-138.418 χ^2/NDF : 45.5/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_rms vs Slug



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

Left Out: 785.979+/-0.139 χ^2/NDF : 8791.9/20

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

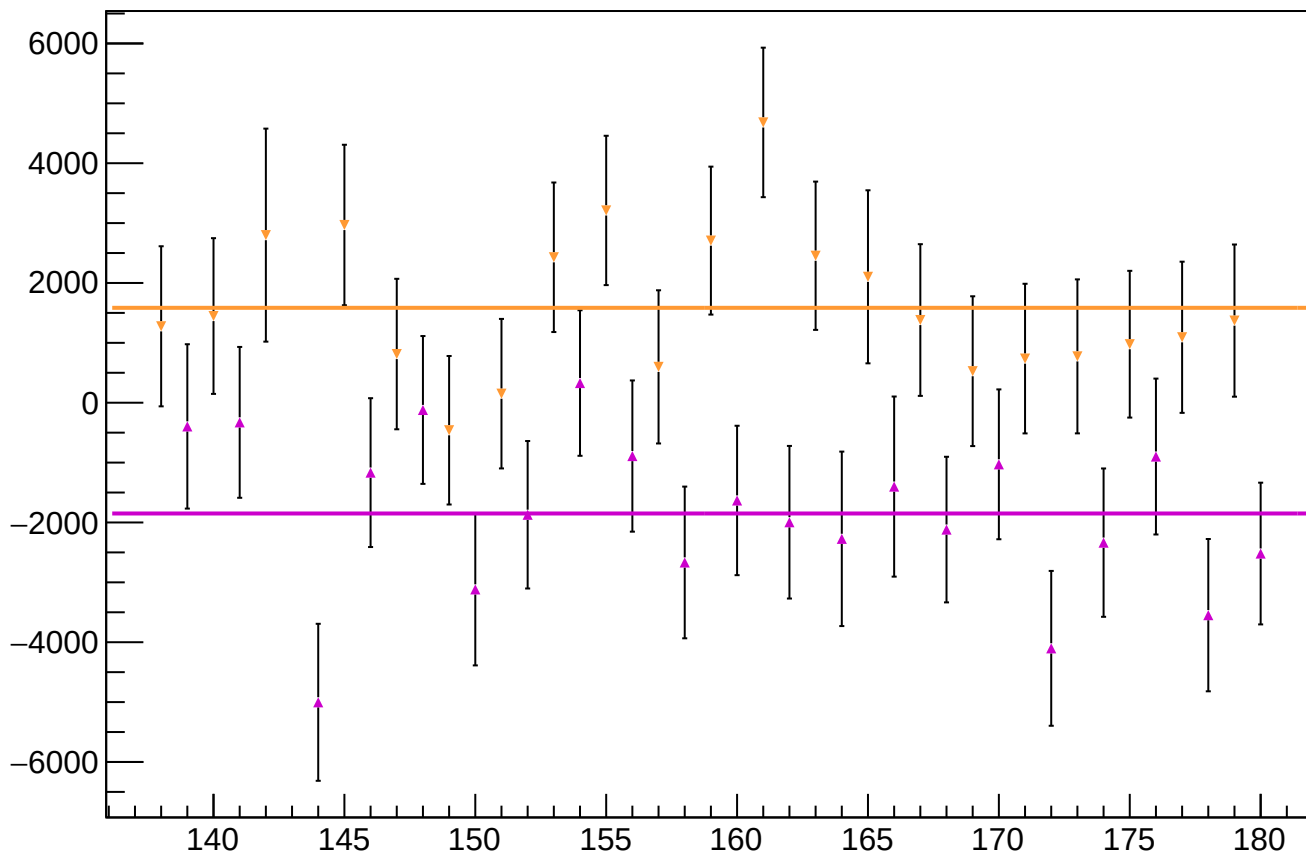
Left In: 786.254+/-0.138 χ^2/NDF : 8789.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 786.118+/-0.098 χ^2/NDF : 17583.7/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usl_mean vs Slug



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

Left Out: 1584.946+/-280.701 χ^2/NDF : 18.4/20

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

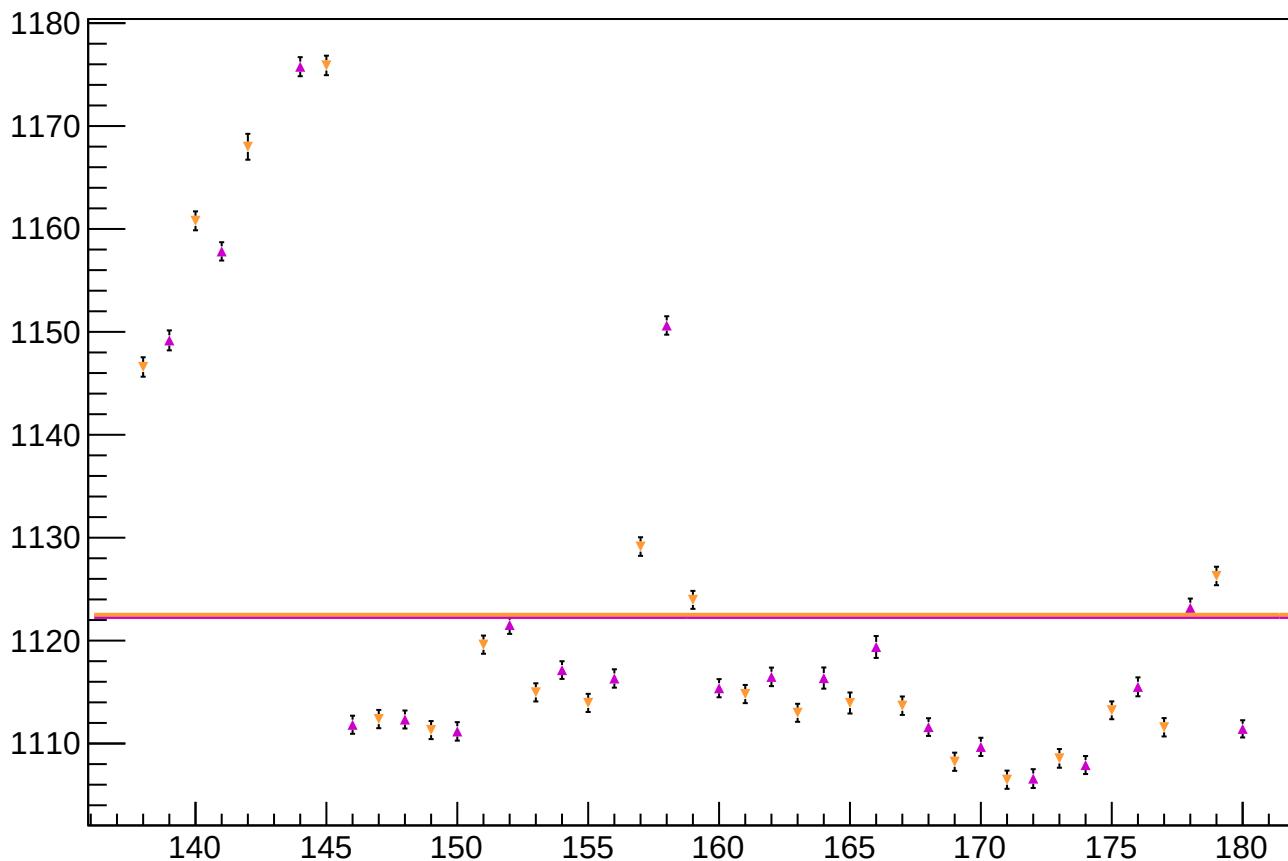
Left In: -1849.997+/-278.304 χ^2/NDF : 22.4/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -147.254+/-197.633 χ^2/NDF : 116.3/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usl_rms vs Slug



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

Left Out: 1122.509+/-0.198 χ^2/NDF : 8858.5/20

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

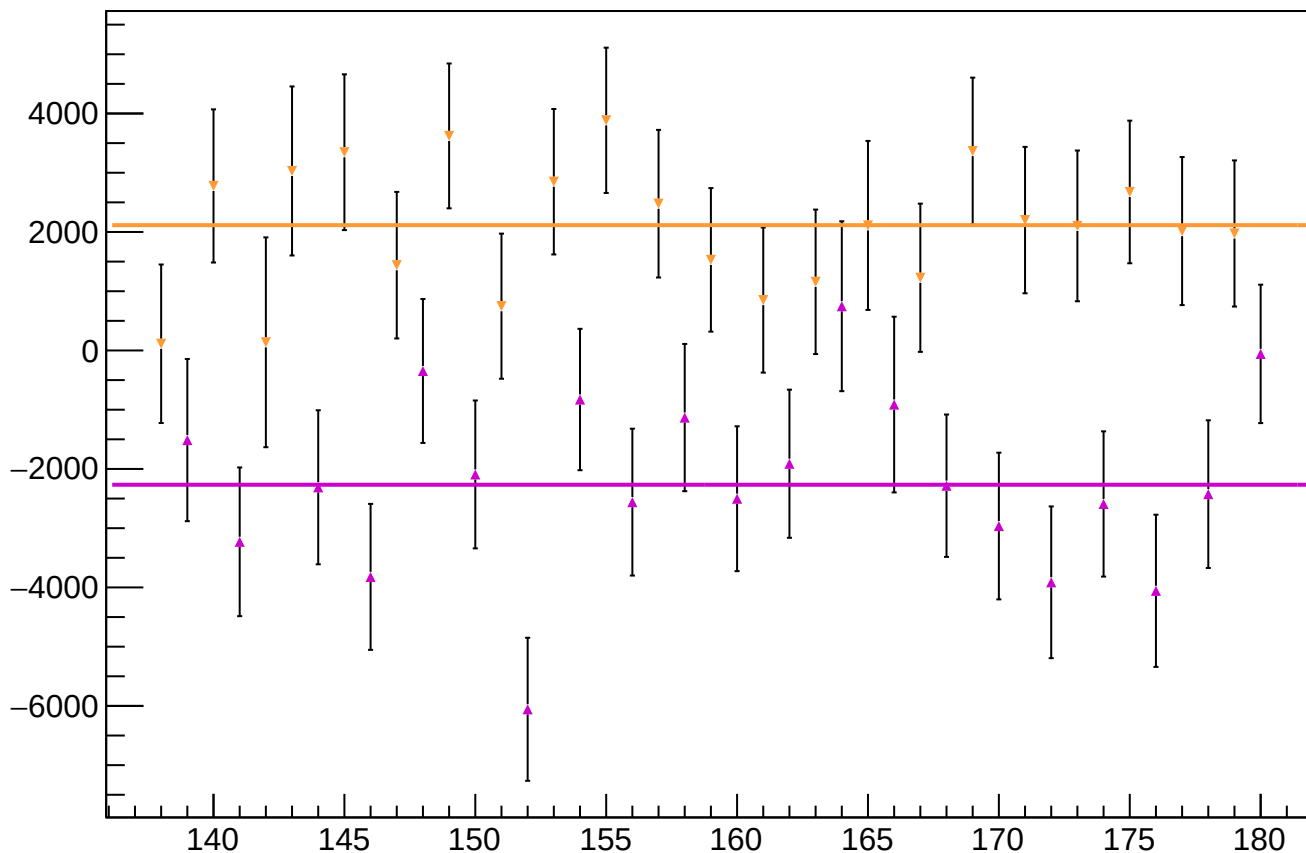
Left In: 1122.301+/-0.197 χ^2/NDF : 8481.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1122.404+/-0.140 χ^2/NDF : 17340.8/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usr_mean vs Slug



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

Left Out: 2115.206 $\pm$ 271.457 χ^2/NDF : 14.3/21

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

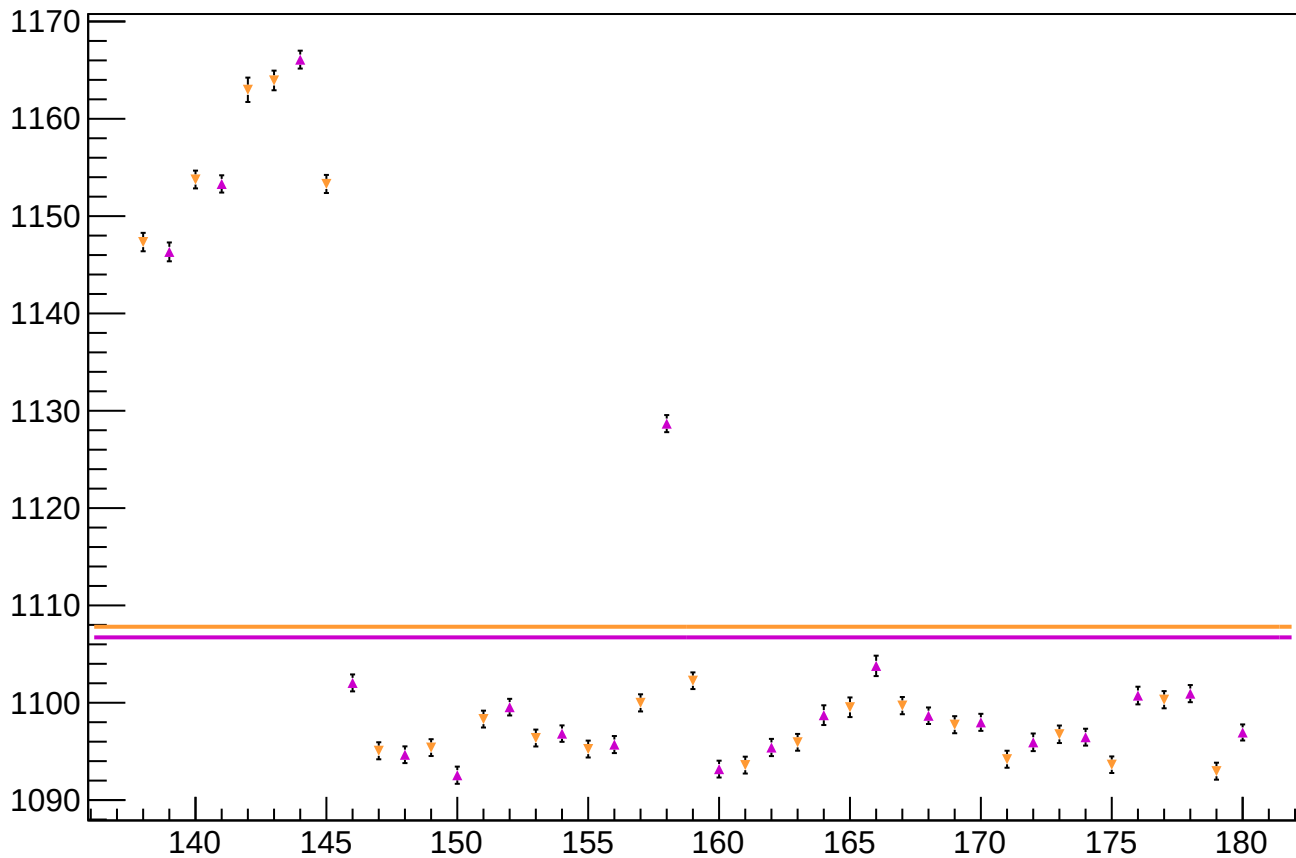
Left In: -2266.502 $\pm$ 274.451 χ^2/NDF : 30.1/20

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

All: -51.612 $\pm$ 192.999 χ^2/NDF : 173.3/42

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

cor_asym_usr_rms vs Slug



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

Left Out: 1107.809+/-0.192 χ^2/NDF : 14523.1/21

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

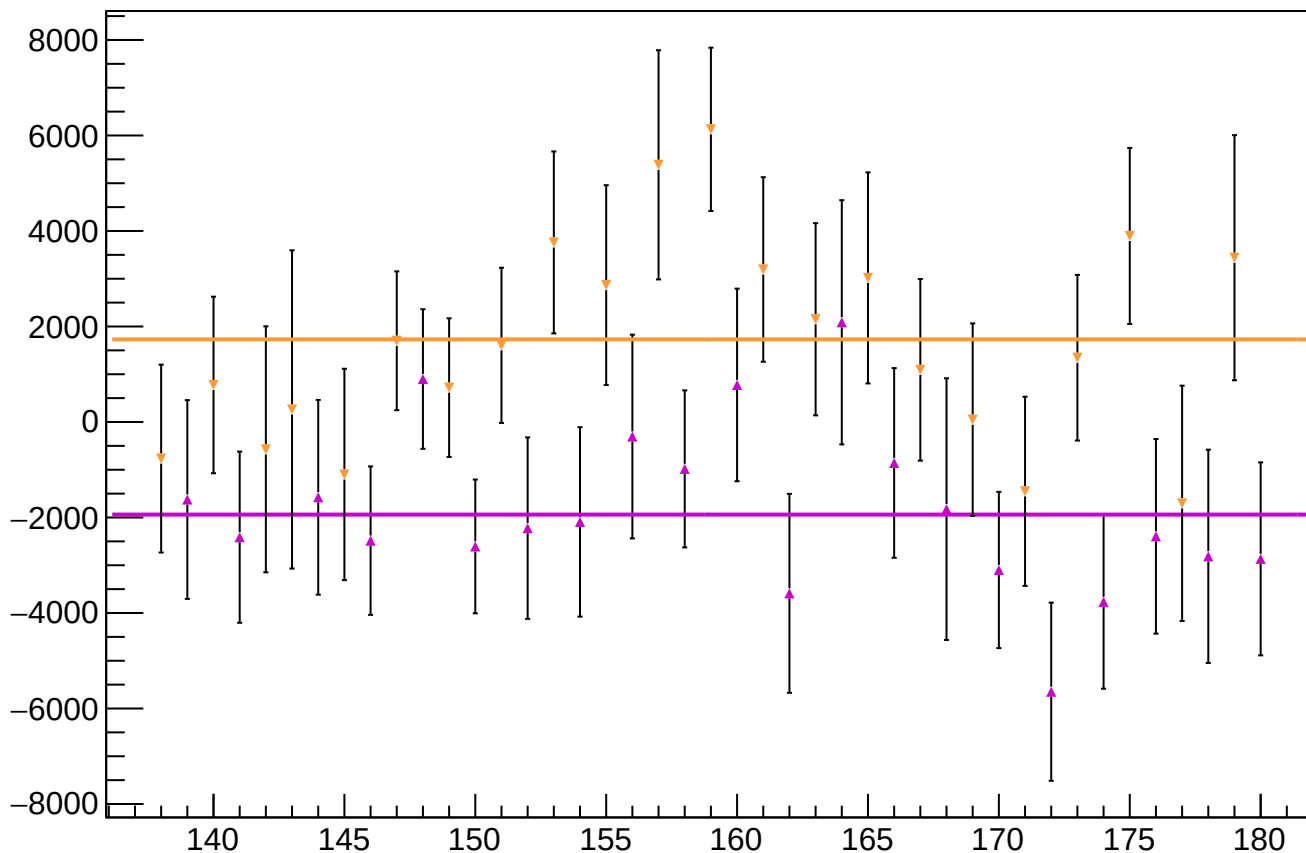
Left In: 1106.717+/-0.194 χ^2/NDF : 11249.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1107.269+/-0.136 χ^2/NDF : 25788.4/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_mean vs Slug



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

Left Out: 1729.857+/-415.864 χ^2/NDF : 23.5/21

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

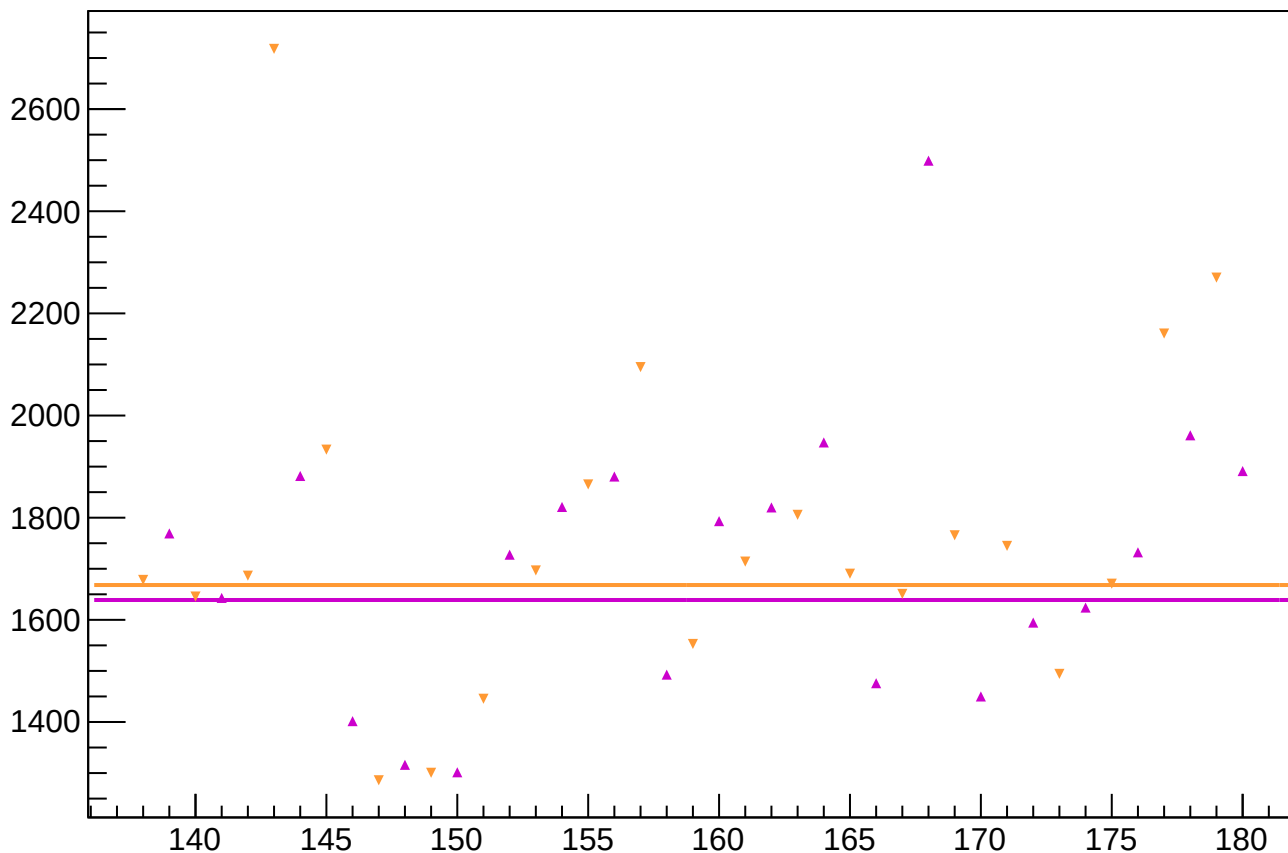
Left In: -1938.915+/-409.610 χ^2/NDF : 16.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -132.327+/-291.824 χ^2/NDF : 79.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_rms vs Slug



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

Left Out: 1668.166+/-0.294 χ^2/NDF : 850667.2/21

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

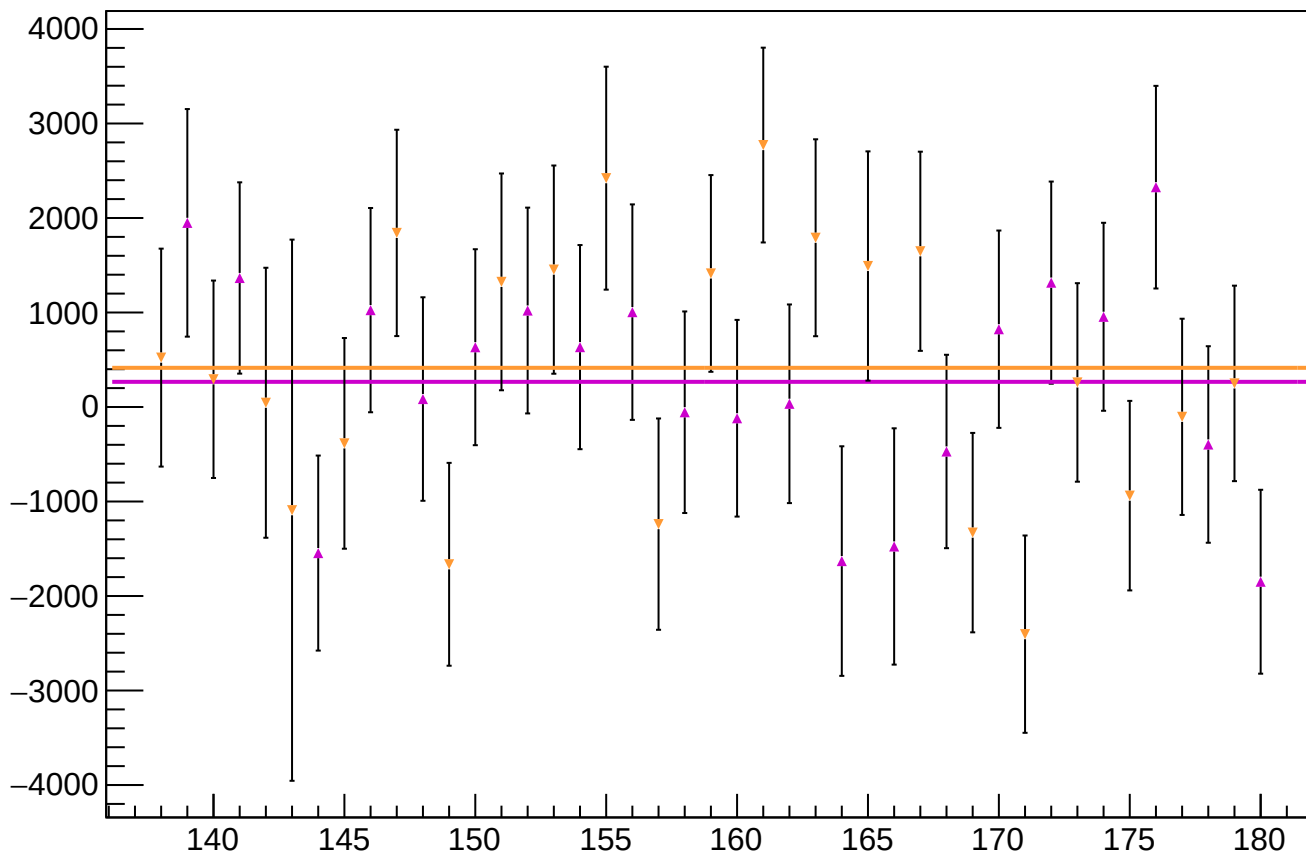
Left In: 1638.854+/-0.290 χ^2/NDF : 730539.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1653.288+/-0.206 χ^2/NDF : 1586250.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_mean vs Slug



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

Left Out: 414.651 $\pm$ 236.755 χ^2 /NDF:35.1/21

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

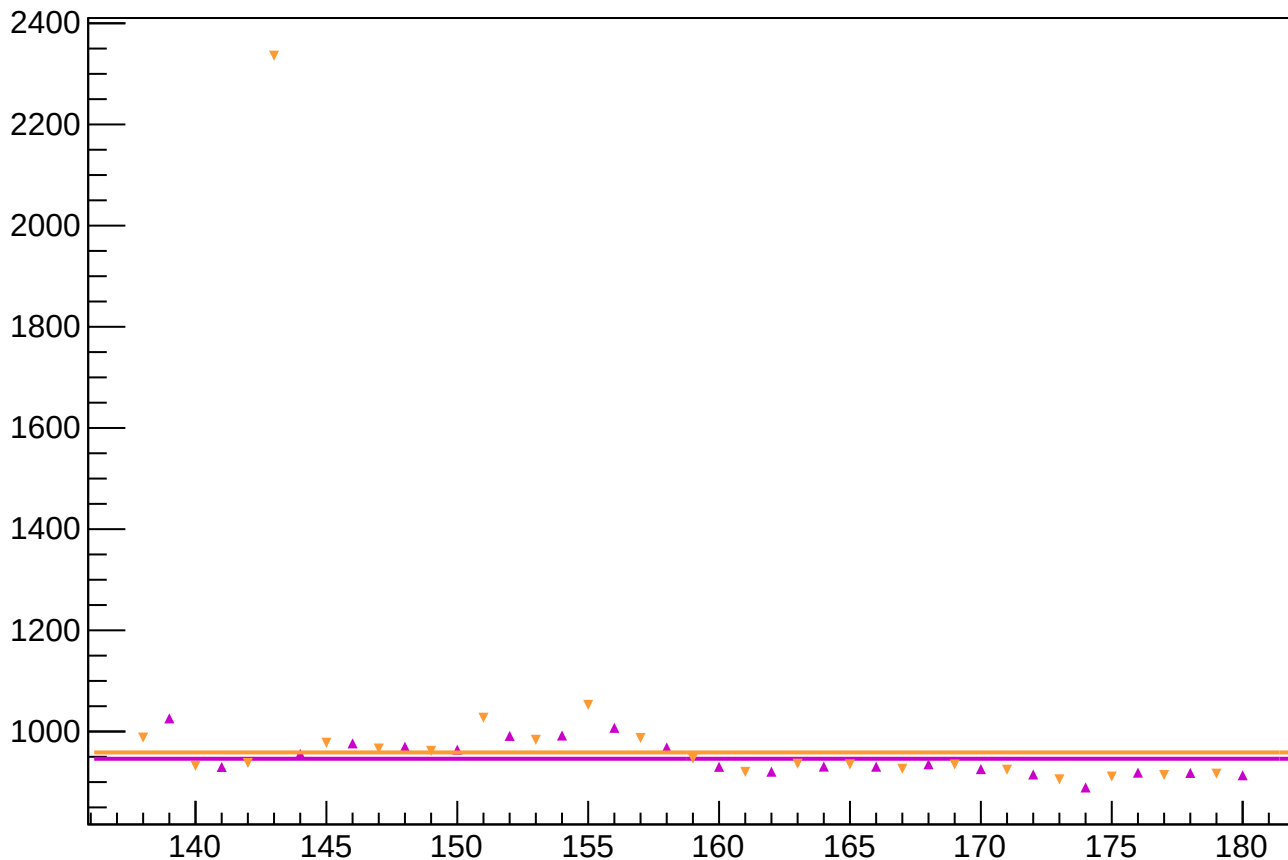
Left In: 266.312 $\pm$ 233.392 χ^2 /NDF:23.6/20

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

All: 339.421 $\pm$ 166.209 χ^2 /NDF: 58.9/42

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

asym_us_agg_dd_rms vs Slug



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

Left Out: 958.655+/-0.167 χ^2/NDF : 515123.4/21

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

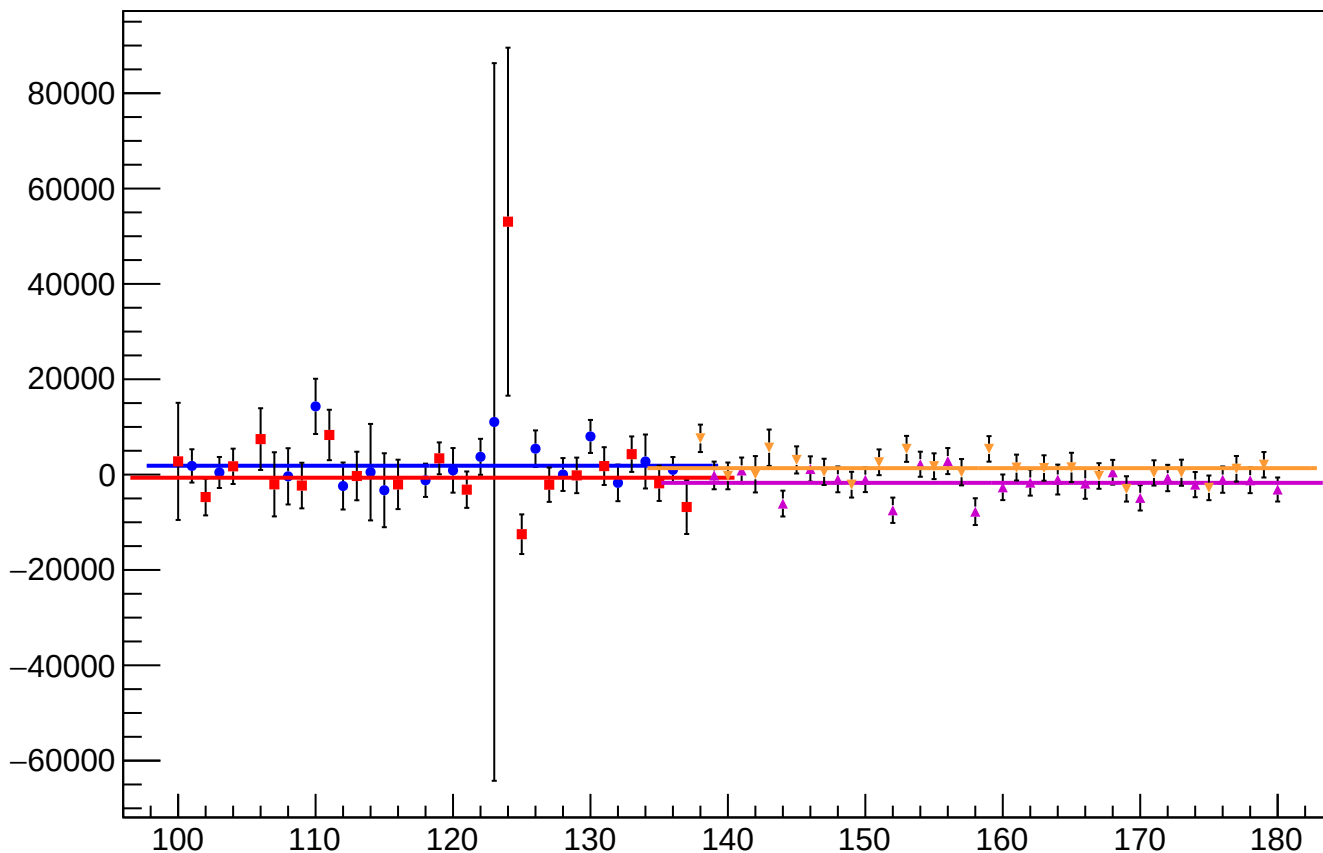
Left In: 946.132+/-0.165 χ^2/NDF : 42824.2/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 952.304+/-0.118 χ^2/NDF : 560785.2/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_mean vs Slug



Right In: 1859.767 $\pm$ 1013.438 χ^2 /NDF: 12.5/16

Left Out: 1352.926 $\pm$ 595.056 χ^2 /NDF:19.3/21

Right Out: -654.213 $\pm$ 1023.772 χ^2 /NDF: 22.1/18

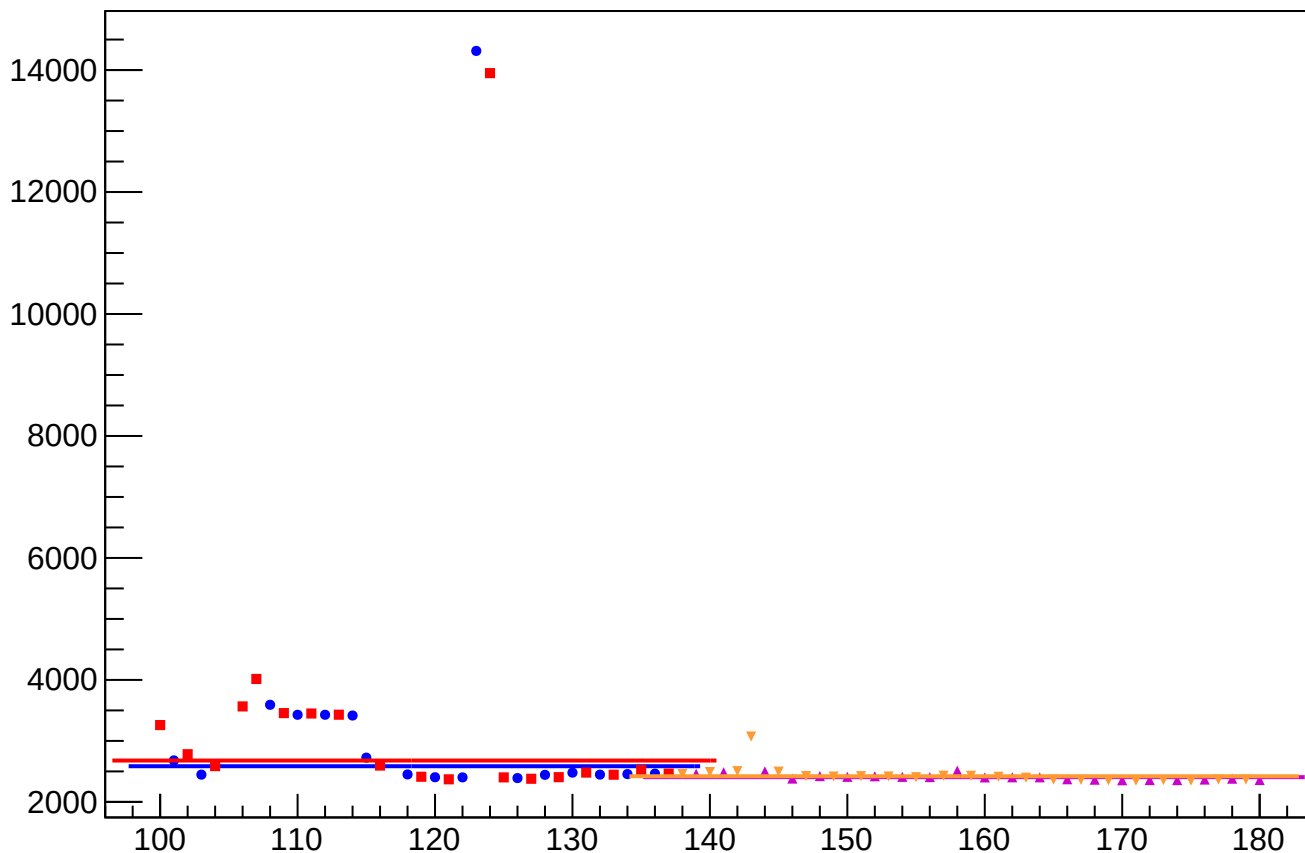
Left In: -1729.912 $\pm$ 594.841 χ^2 /NDF:22.3/20

+ sign 1482.867 $\pm$ 513.139 χ^2 /NDF: 32.0/38

All: 15.624 $\pm$ 363.263 χ^2 /NDF: 93.6/78

- sign -1458.418 $\pm$ 514.326 χ^2 /NDF: 45.2/39

reg_asym_atl1_rms vs Slug



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

Left Out: 2420.436+/-0.421 χ^2/NDF : 71298.5/21

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

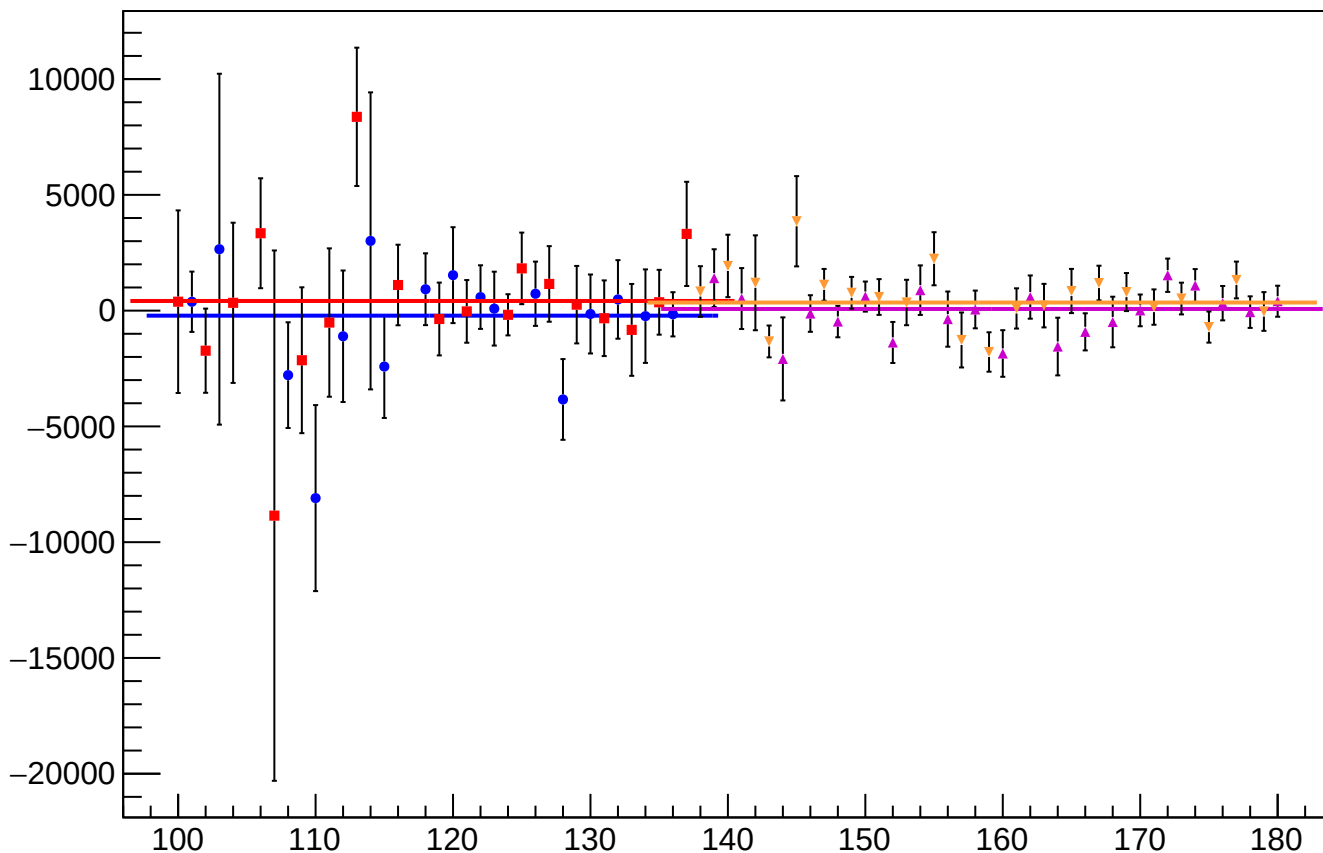
Left In: 2405.663+/-0.421 χ^2/NDF : 12117.5/20

+ sign 2462.579+/-0.363 χ^2/NDF : 366138.4/38

All: 2468.504+/-0.257 χ^2/NDF : 1016871.4/78

- sign 2474.456+/-0.364 χ^2/NDF : 650198.6/39

asym_atl1_correction_mean vs Slug



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

Left Out: 350.249 ± 183.449 χ^2/NDF : 29.8/21

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

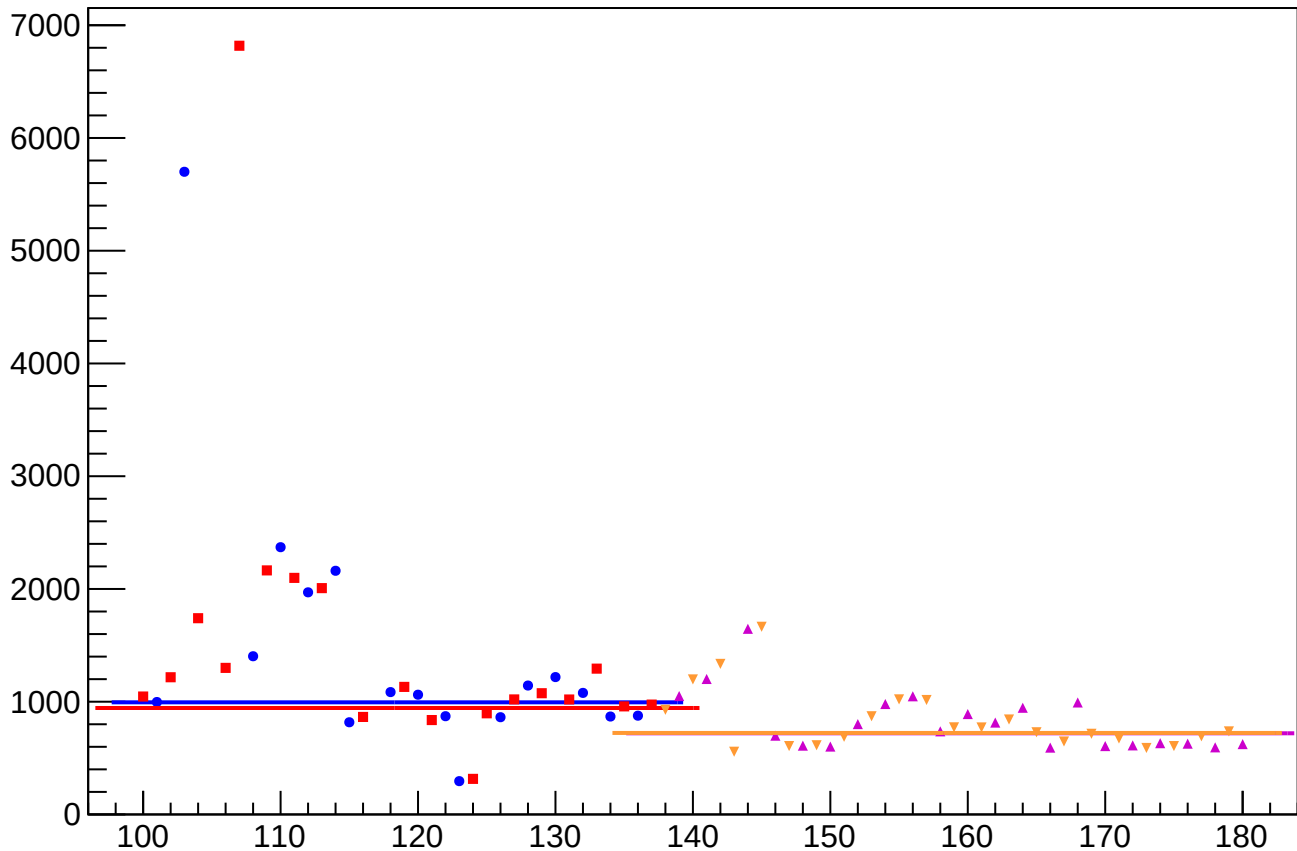
Left In: 71.655 ± 184.306 χ^2/NDF : 21.4/20

+ sign 259.394 ± 168.117 χ^2/NDF : 44.7/38

All: 194.657 ± 118.847 χ^2/NDF : 82.7/78

- sign 129.986 ± 168.032 χ^2/NDF : 37.7/39

asym_atl1_correction_rms vs Slug



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

Left Out: 722.969 $\pm$ 0.130 χ^2 /NDF: 1708373.6/21

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

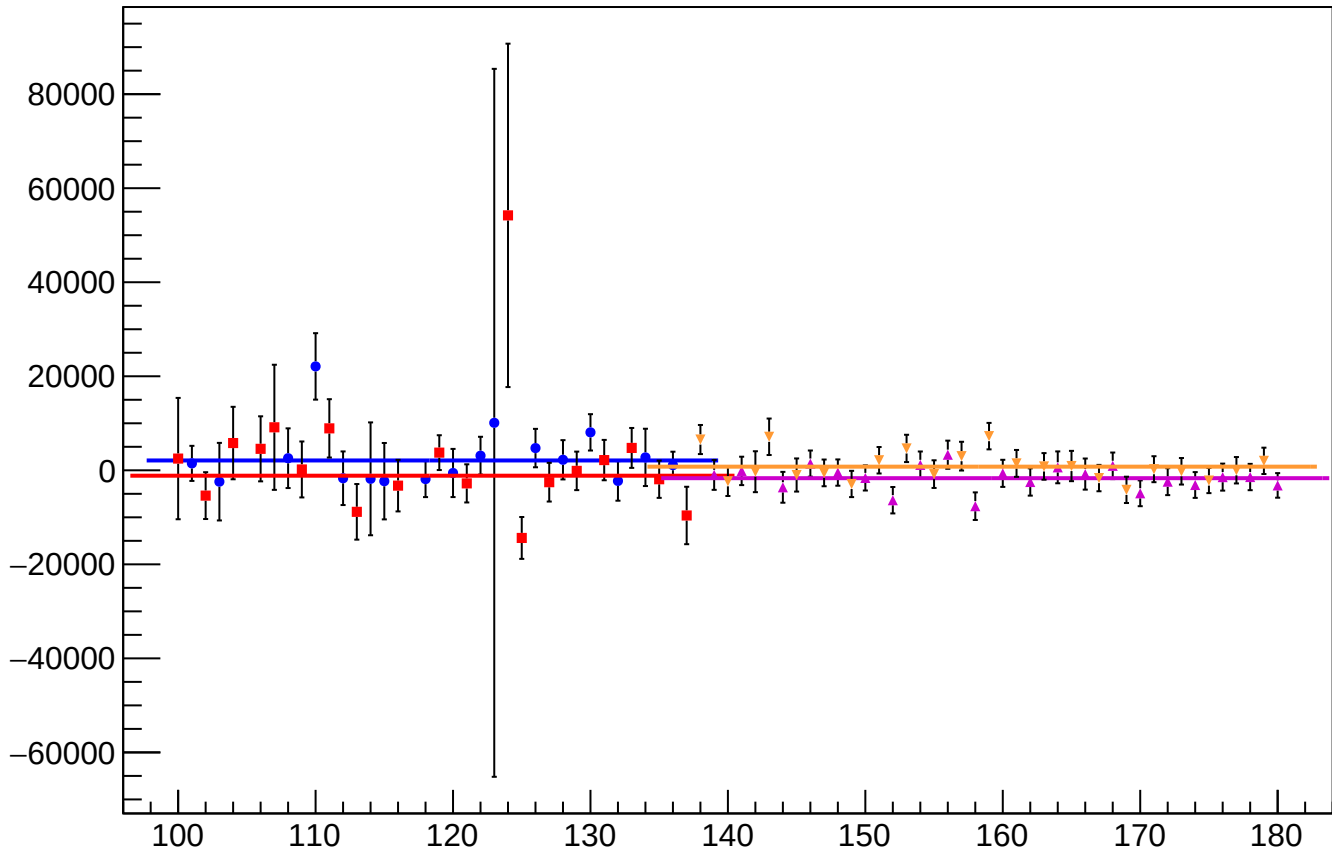
Left In: 719.893 $\pm$ 0.130 χ^2 /NDF: 1936941.2/20

+ sign 766.465 $\pm$ 0.119 χ^2 /NDF: 4314920.6/38

All: 762.116 $\pm$ 0.084 χ^2 /NDF: 9420991.4/78

- sign 757.772 $\pm$ 0.119 χ^2 /NDF: 5103395.6/39

asym_atl1_mean vs Slug



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

Left Out: 775.341+/-632.332 χ^2 /NDF: 23.2/21

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

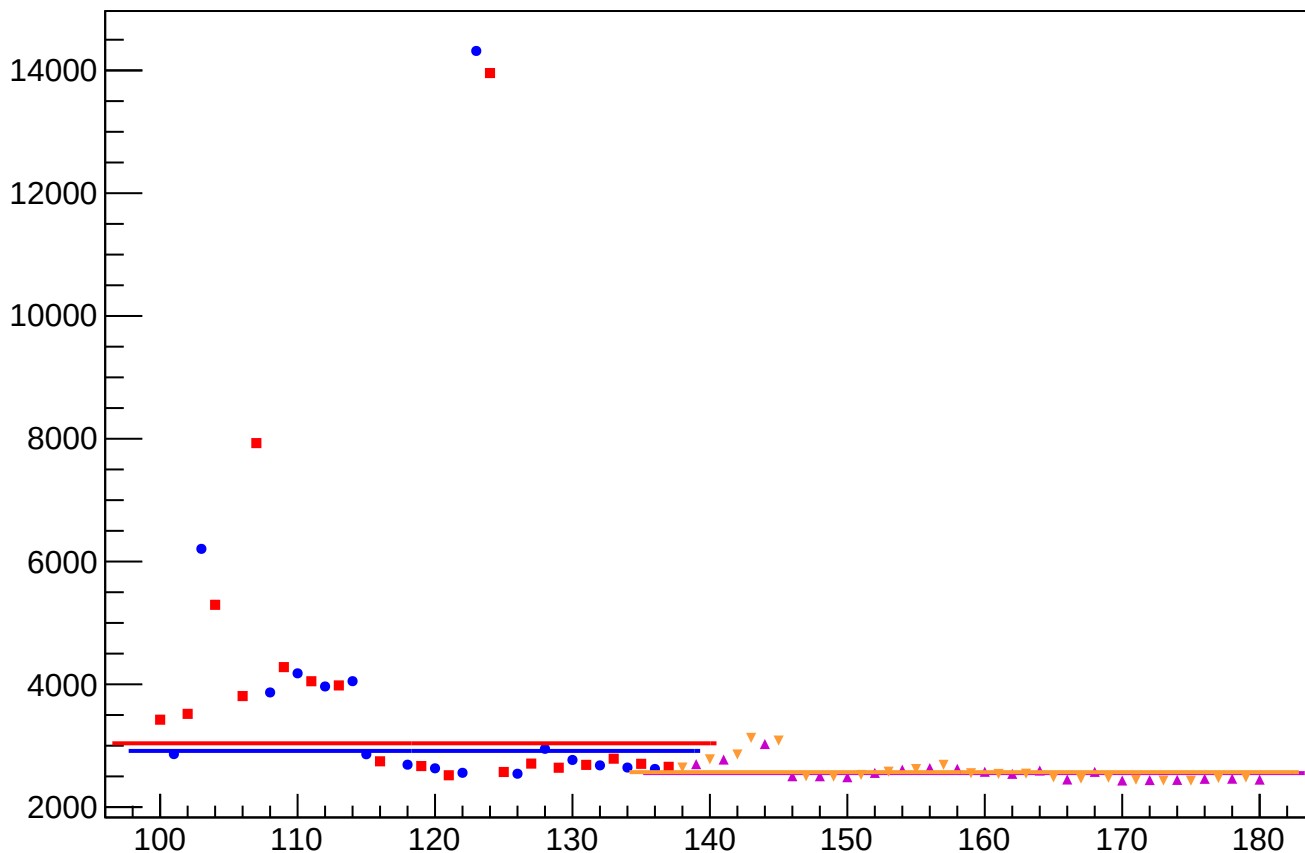
Left In: -1675.034+/-632.174 χ^2 /NDF: 16.4/20

+ sign 1077.258+/-555.248 χ^2 /NDF: 38.8/38

All: -234.177+/-393.580 χ^2 /NDF: 91.7/78

- sign -1558.531+/-557.976 χ^2 /NDF: 41.7/39

asym_atl1_rms vs Slug



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

Left Out: 2569.240+/-0.447 χ^2/NDF :134742.4/21

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

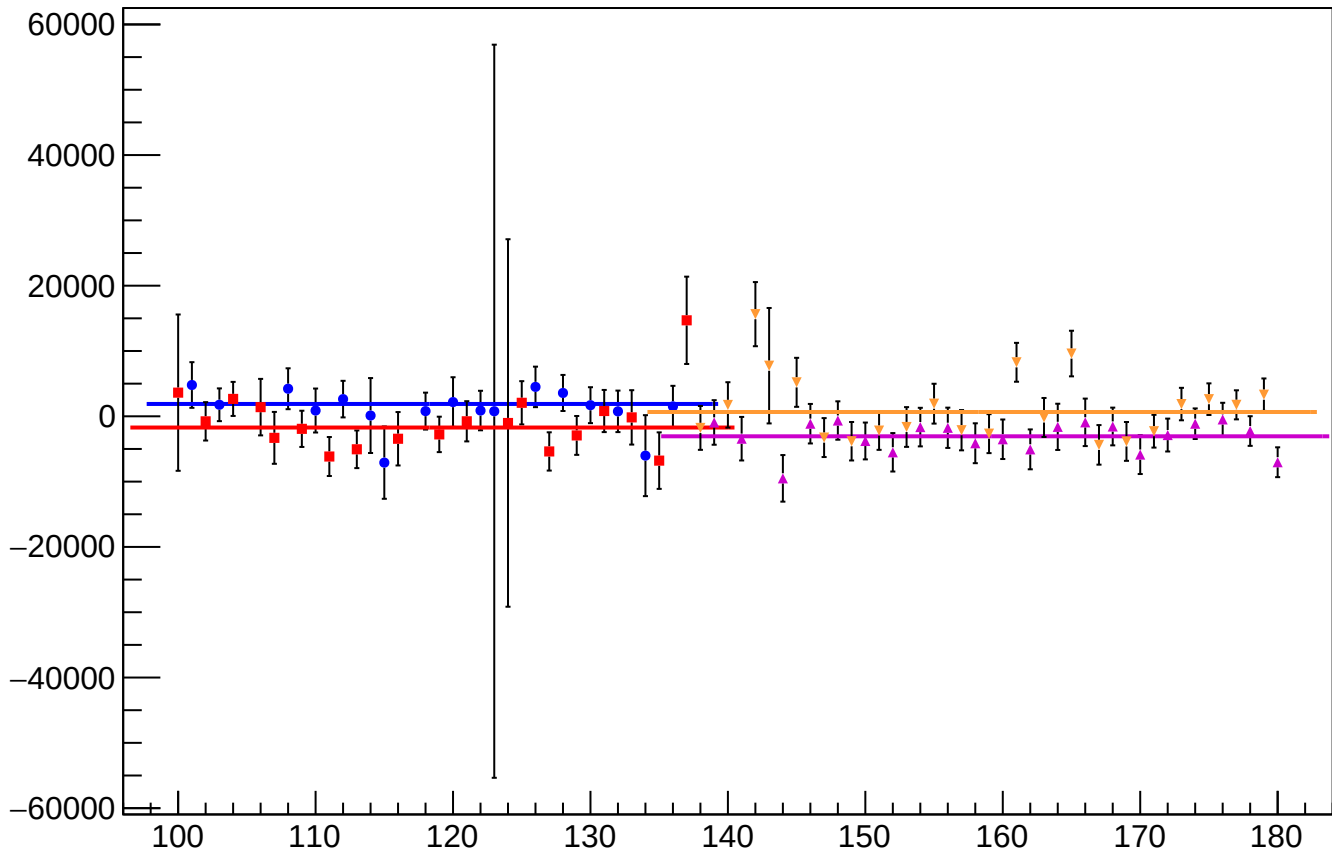
Left In: 2553.729+/-0.447 χ^2/NDF :82910.6/20

+ sign 2648.447+/-0.393 χ^2/NDF : 910945.9/38

All: 2654.686+/-0.278 χ^2/NDF : 2266301.6/78

- sign 2660.987+/-0.395 χ^2/NDF : 1354848.1/39

reg_asym_atl2_mean vs Slug



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

Left Out: 659.976 $\pm$ 637.924 χ^2 /NDF:41.7/21

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

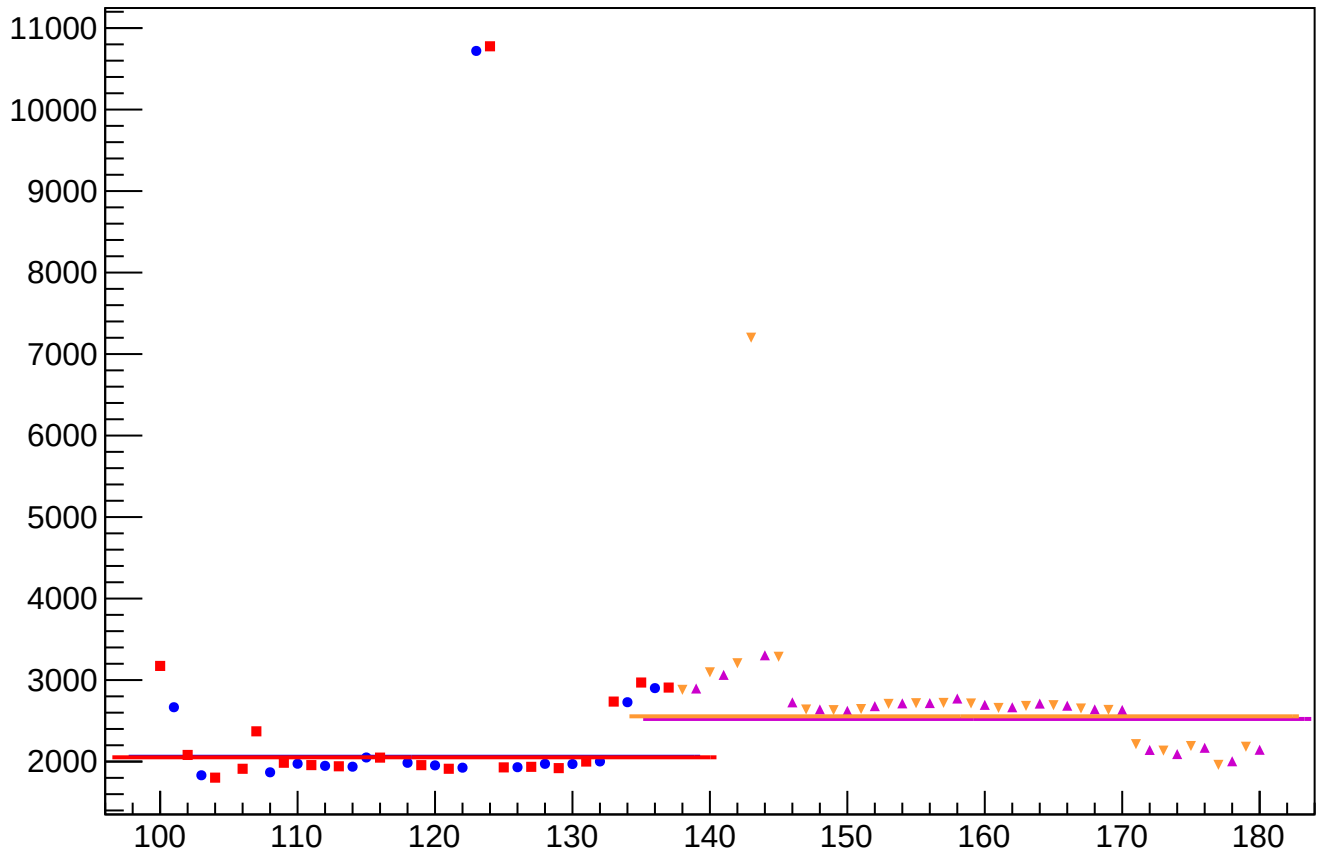
Left In: -3061.543 $\pm$ 628.403 χ^2 /NDF:13.0/20

+ sign 1129.797 $\pm$ 501.500 χ^2 /NDF: 50.4/38

All: -741.586 $\pm$ 351.141 χ^2 /NDF: 111.4/78

- sign -2541.405 $\pm$ 491.817 χ^2 /NDF: 33.7/39

reg_asym_atl2_rms vs Slug



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

Left Out: 2555.085+/-0.451 χ^2/NDF :1097833.1/21

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

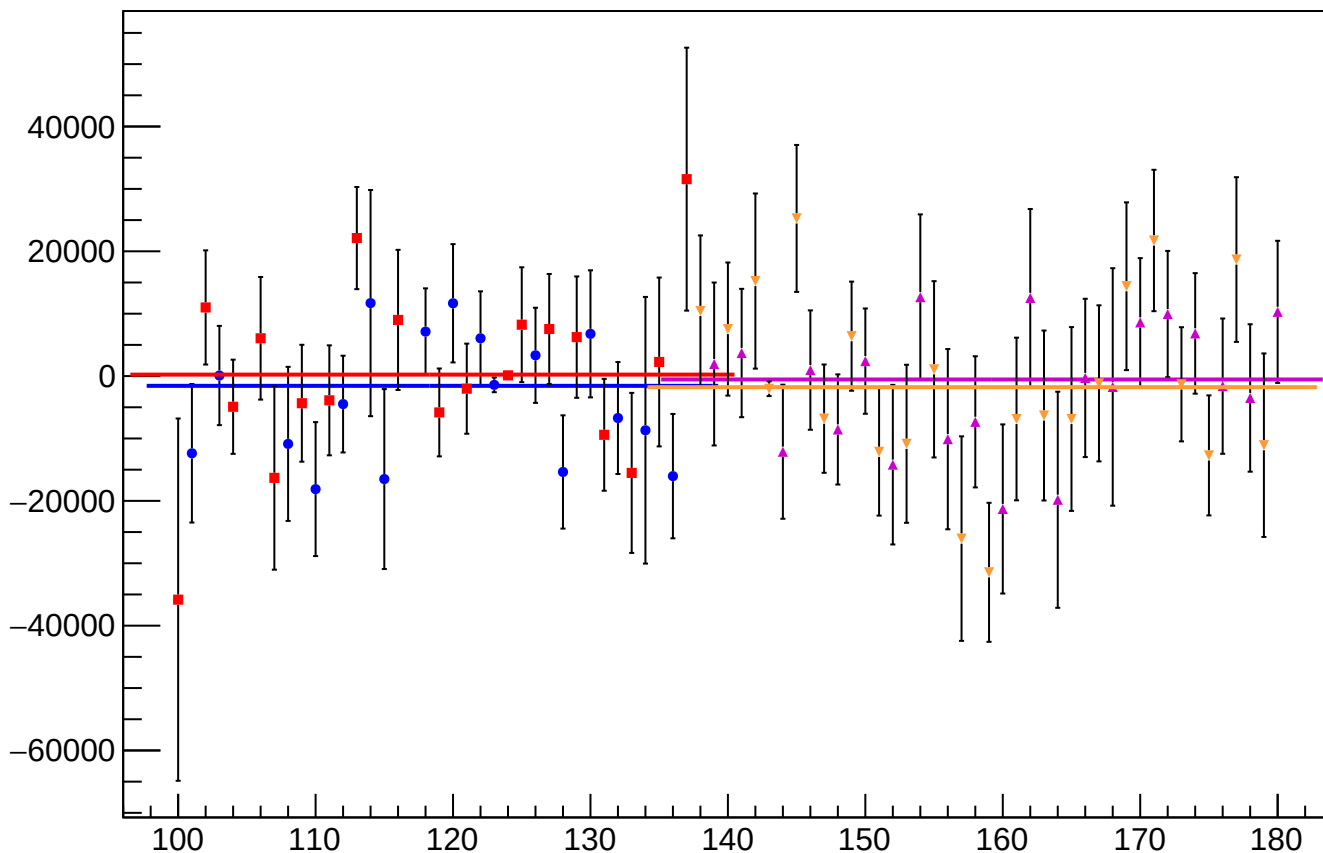
Left In: 2522.891+/-0.444 χ^2/NDF :560876.3/20

+ sign 2365.577+/-0.355 χ^2/NDF : 1878464.7/38

All: 2352.813+/-0.248 χ^2/NDF : 3319864.9/78

- sign 2340.537+/-0.348 χ^2/NDF : 1438858.4/39

asym_atl2_correction_mean vs Slug



Right In: -1563.218+/-1053.946 χ^2/NDF : 16.2/16

Left Out: -1779.024+/-1071.780 χ^2/NDF : 30.9/21

Right Out: 236.197+/-695.167 χ^2/NDF : 20.8/18

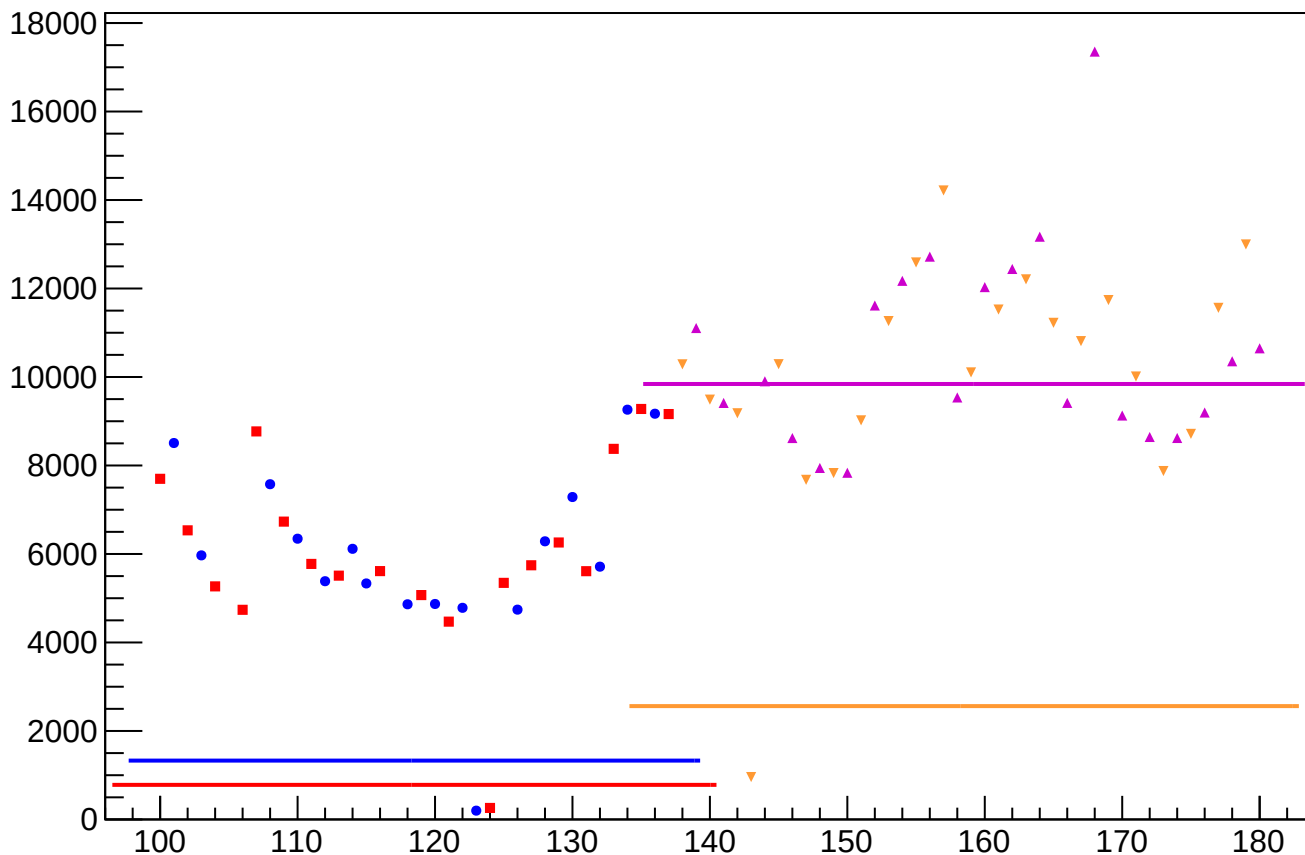
Left In: -544.545+/-2474.049 χ^2/NDF : 13.2/20

+ sign -1669.310+/-751.478 χ^2/NDF : 47.1/38

All: -638.500+/-499.784 χ^2/NDF : 84.5/78

- sign 179.067+/-669.250 χ^2/NDF : 34.1/39

asym_atl2_correction_rms vs Slug



Right In: 1330.250+/-0.745 χ^2/NDF : 10046828.9/16

Left Out: 2561.711+/-0.758 χ^2/NDF : 21473095.4/21

Right Out: 781.848+/-0.492 χ^2/NDF : 11439893.7/18

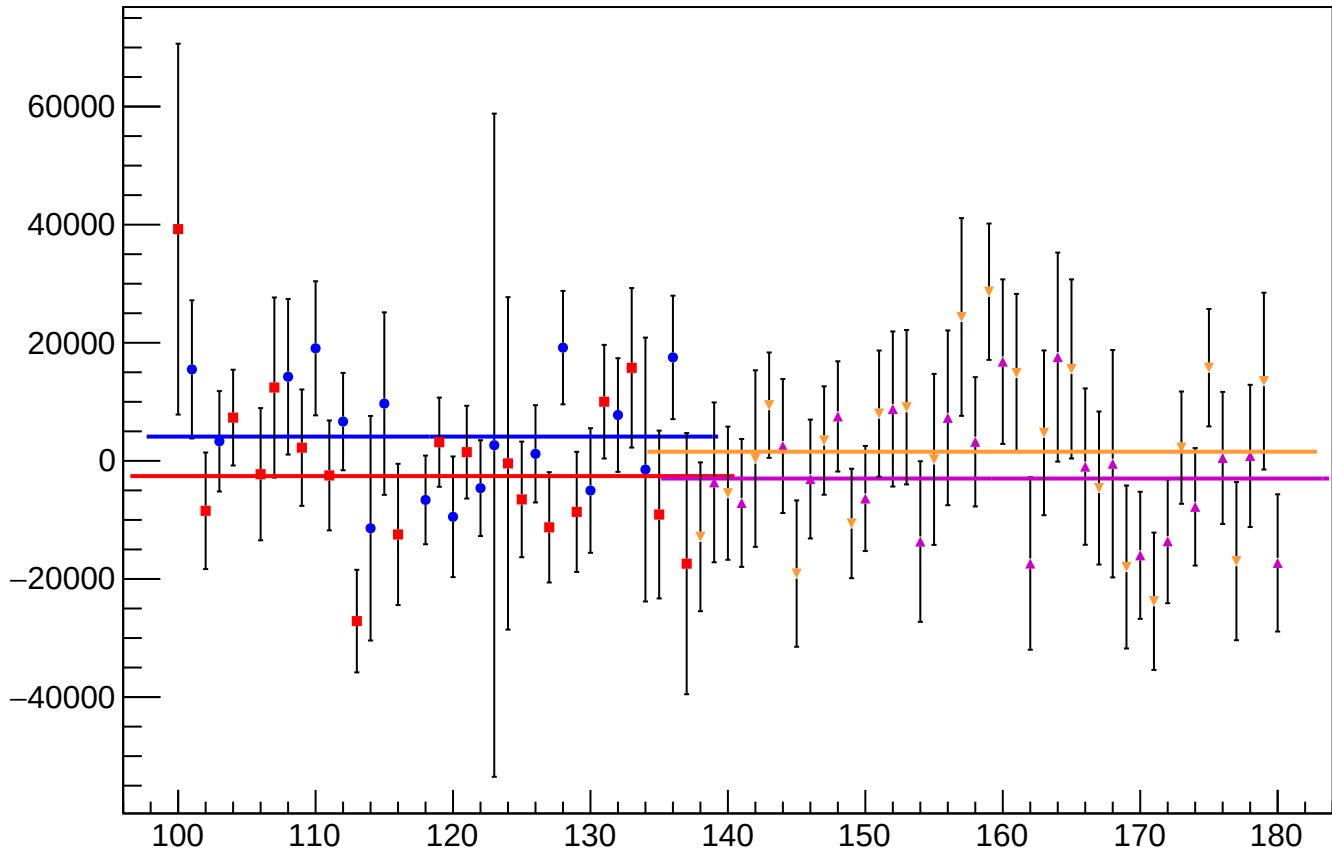
Left In: 9841.971+/-1.749 χ^2/NDF : 1038594.1/20

+ sign 1935.650+/-0.531 χ^2/NDF : 32862245.9/38

All: 1661.921+/-0.353 χ^2/NDF : 70675322.9/70

- sign 1444.818+/-0.473 χ^2/NDF : 37337248.3/39

asym_atl2_mean vs Slug



Right In: 4111.784 ± 2534.444 $\chi^2/\text{NDF}: 14.3/16$

Left Out: 1554.745 ± 2527.321 $\chi^2/\text{NDF}: 28.6/21$

Right Out: -2577.719 ± 2420.480 $\chi^2/\text{NDF}: 20.0/18$

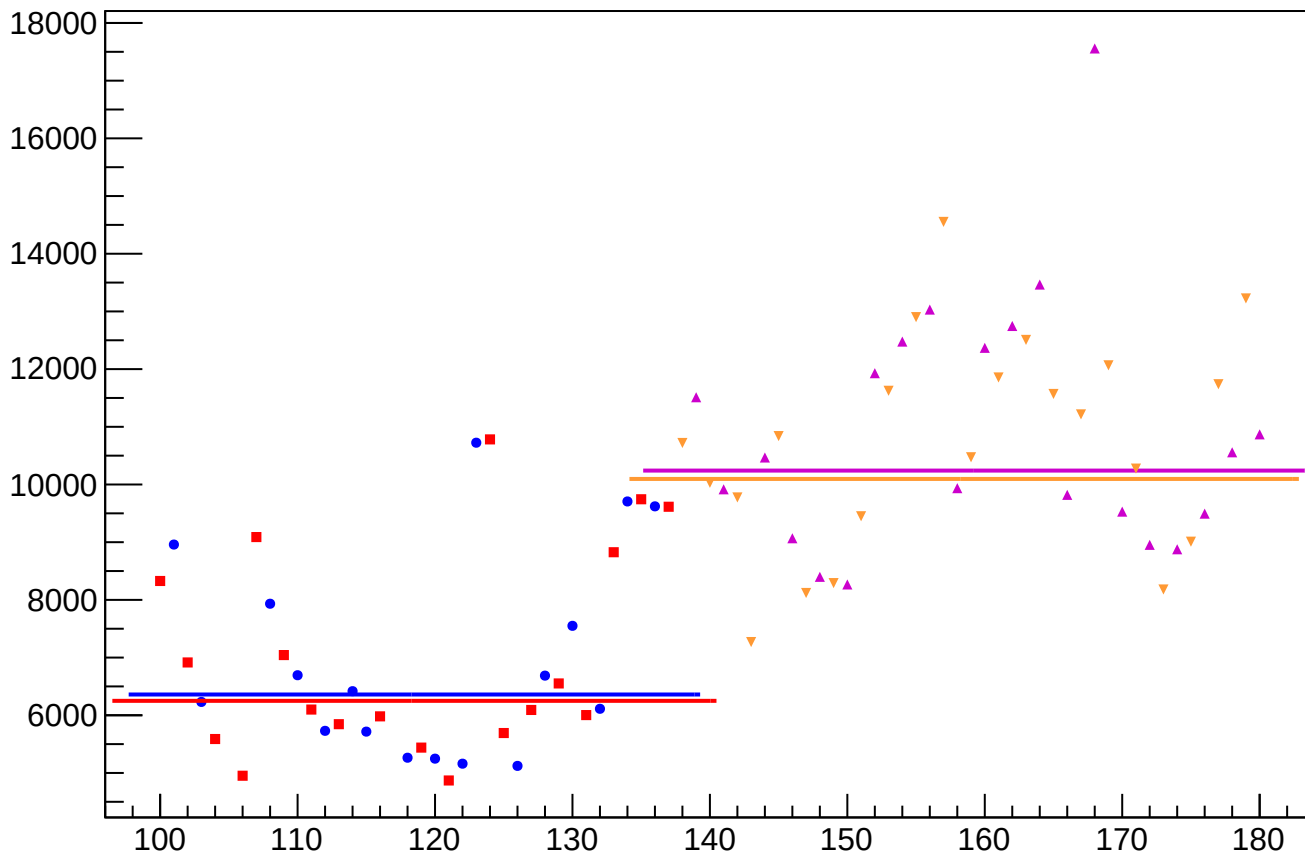
Left In: -2989.630 ± 2569.967 $\chi^2/\text{NDF}: 12.8/20$

+ sign 2829.666 ± 1789.599 $\chi^2/\text{NDF}: 43.4/38$

All: -14.337 ± 1255.572 $\chi^2/\text{NDF}: 81.2/78$

- sign -2771.347 ± 1762.016 $\chi^2/\text{NDF}: 32.8/39$

asym_atl2_rms vs Slug



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

Left Out: 10096.385+/-1.787 χ^2/NDF : 1027776.5/21

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

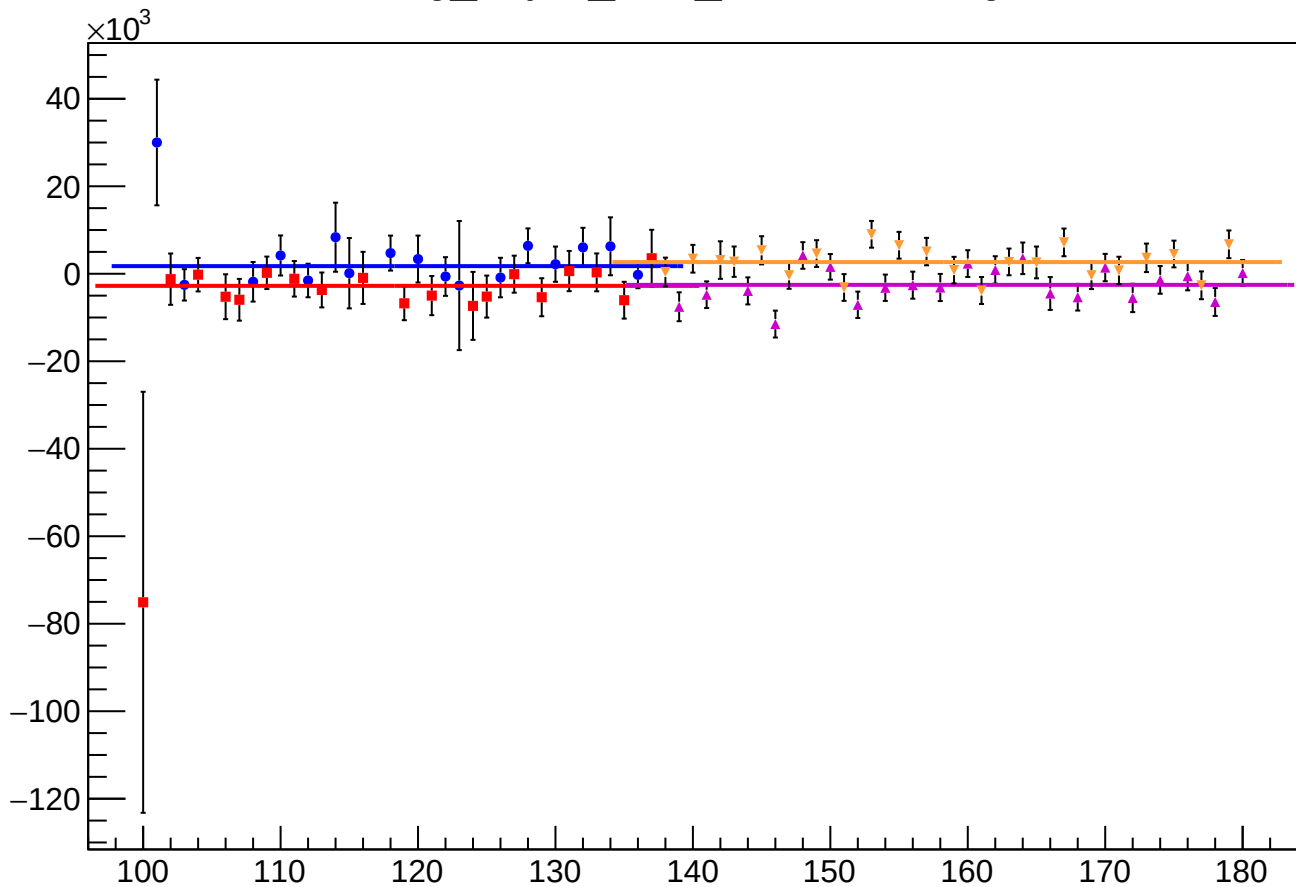
Left In: 10241.281+/-1.817 χ^2/NDF : 938877.4/20

+ sign 8233.406+/-1.265 χ^2/NDF : 3787849.6/38

All: 8178.931+/-0.888 χ^2/NDF : 7819716.6/78

- sign 8126.125+/-1.246 χ^2/NDF : 4028217.4/39

reg_asym_atr1_mean vs Slug



Right In: 1746.001 $\pm$ 1128.522 χ^2 /NDF: 12.2/16

Left Out: 2672.341 $\pm$ 680.774 χ^2 /NDF:25.6/21

Right Out: -2763.863 $\pm$ 1071.947 χ^2 /NDF: 9.7/18

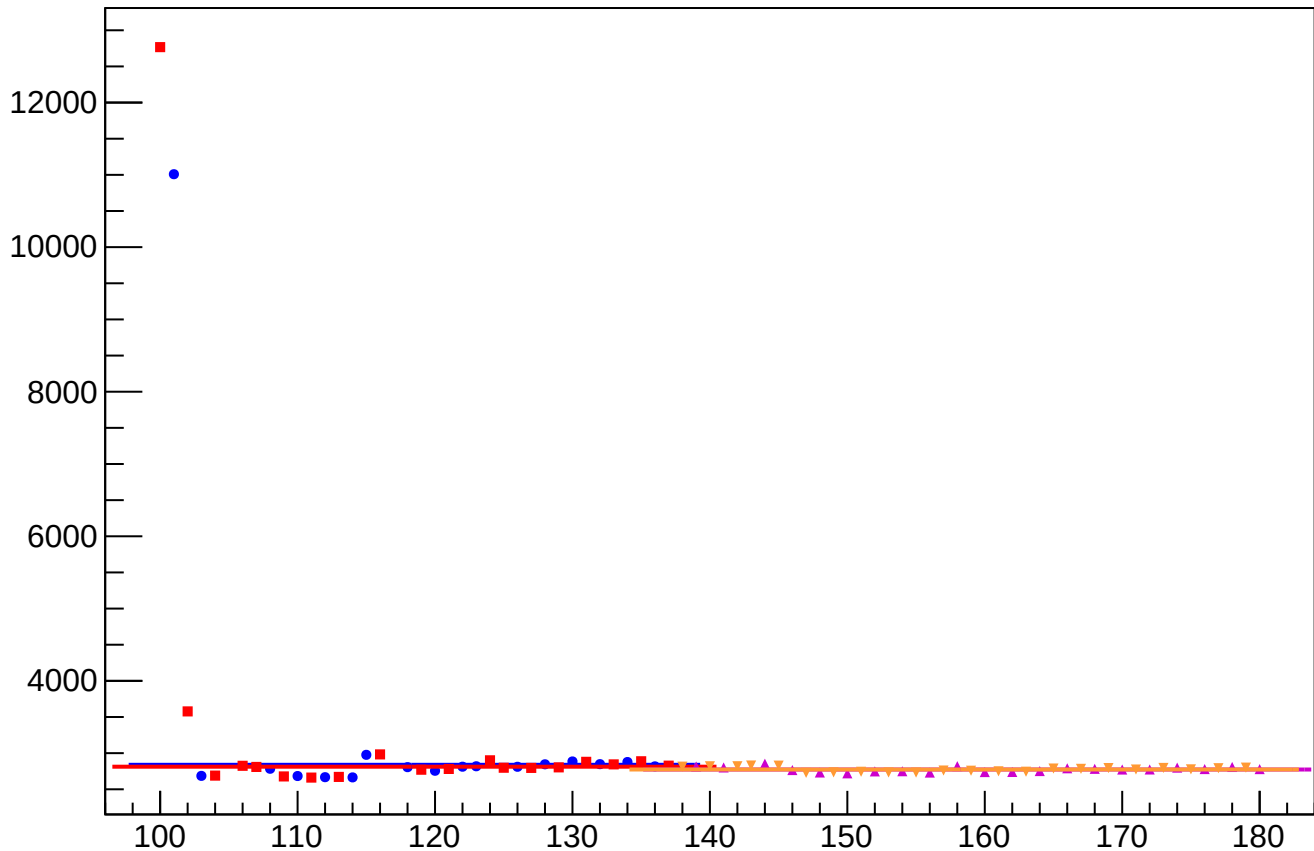
Left In: -2536.171 $\pm$ 684.926 χ^2 /NDF:33.7/20

+ sign 2425.184 $\pm$ 582.923 χ^2 /NDF: 38.4/38

All: -113.441 $\pm$ 410.139 χ^2 /NDF: 119.4/78

- sign -2602.180 $\pm$ 577.167 χ^2 /NDF: 43.5/39

reg_asym_atr1_rms vs Slug



Right In: 2838.737 $\pm$ 0.798 χ^2 /NDF: 660209.3/16

Left Out: 2773.834 $\pm$ 0.481 χ^2 /NDF: 4554.8/21

Right Out: 2812.627 $\pm$ 0.758 χ^2 /NDF: 133064.0/18

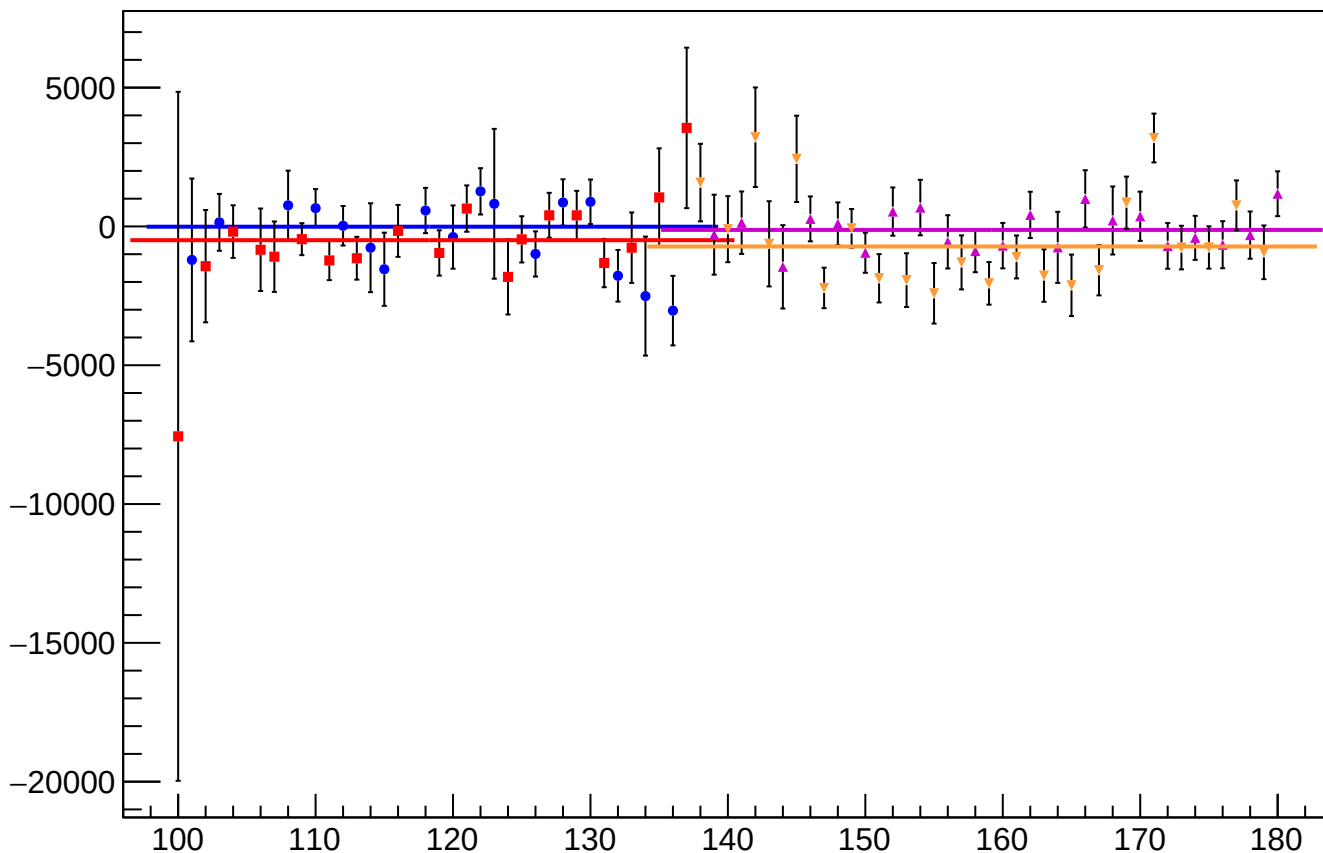
Left In: 2773.498 $\pm$ 0.484 χ^2 /NDF: 4993.0/20

+ sign 2791.151 $\pm$ 0.412 χ^2 /NDF: 669614.3/38

All: 2787.965 $\pm$ 0.290 χ^2 /NDF: 809682.0/78

- sign 2784.842 $\pm$ 0.408 χ^2 /NDF: 139949.4/39

asym_atr1_correction_mean vs Slug



Right In: -9.845 ± 241.678 χ^2/NDF : 20.7/16

Left Out: -721.992 ± 199.236 χ^2/NDF : 55.3/21

Right Out: -495.250 ± 221.487 χ^2/NDF : 11.9/18

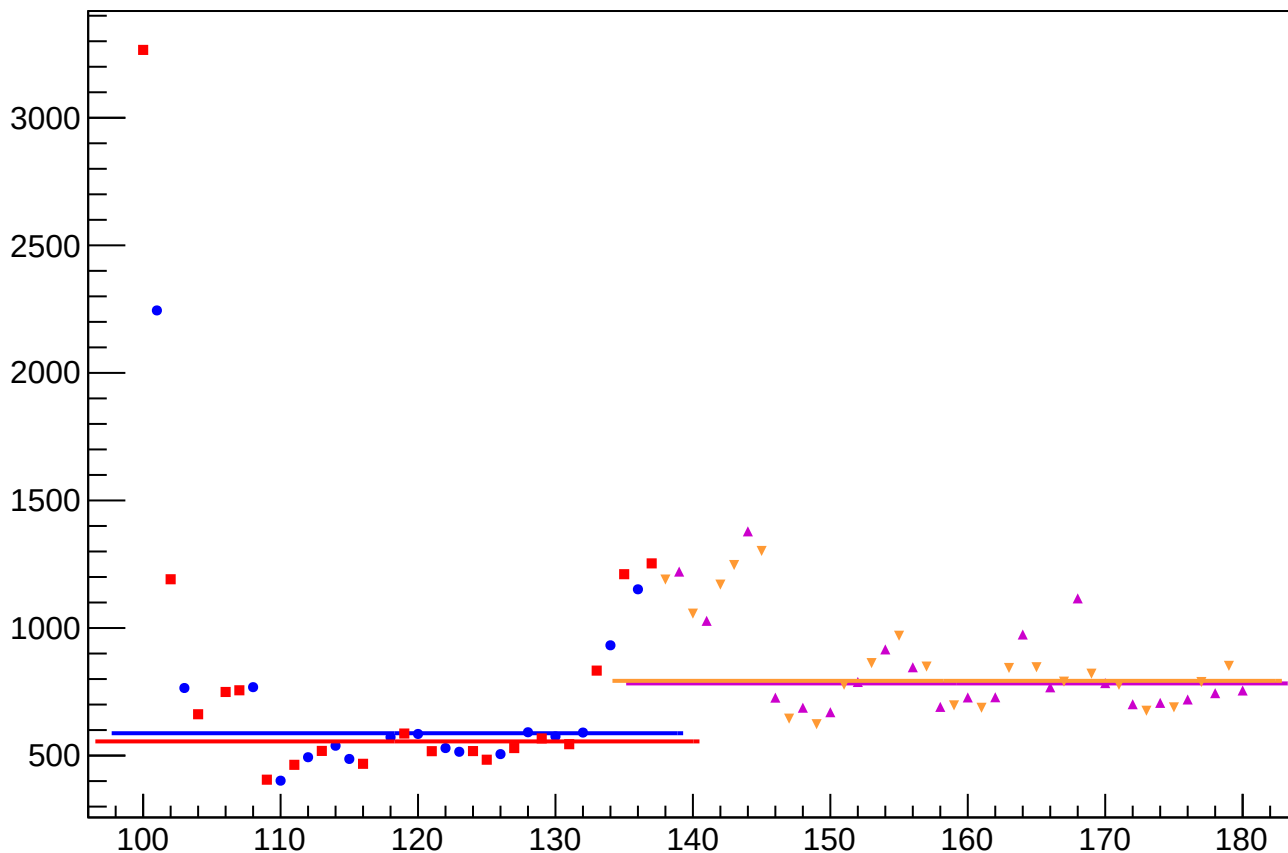
Left In: -125.770 ± 196.914 χ^2/NDF : 11.3/20

+ sign -433.840 ± 153.732 χ^2/NDF : 81.2/38

All: -358.200 ± 106.306 χ^2/NDF : 106.4/78

- sign -288.886 ± 147.163 χ^2/NDF : 24.7/39

asym_atr1_correction_rms vs Slug



Right In: 587.596 ± 0.171 $\chi^2/\text{NDF}: 1425769.6/16$

Left Out: 792.913 ± 0.141 $\chi^2/\text{NDF}: 1180055.6/21$

Right Out: 555.534 ± 0.157 $\chi^2/\text{NDF}: 1106760.5/18$

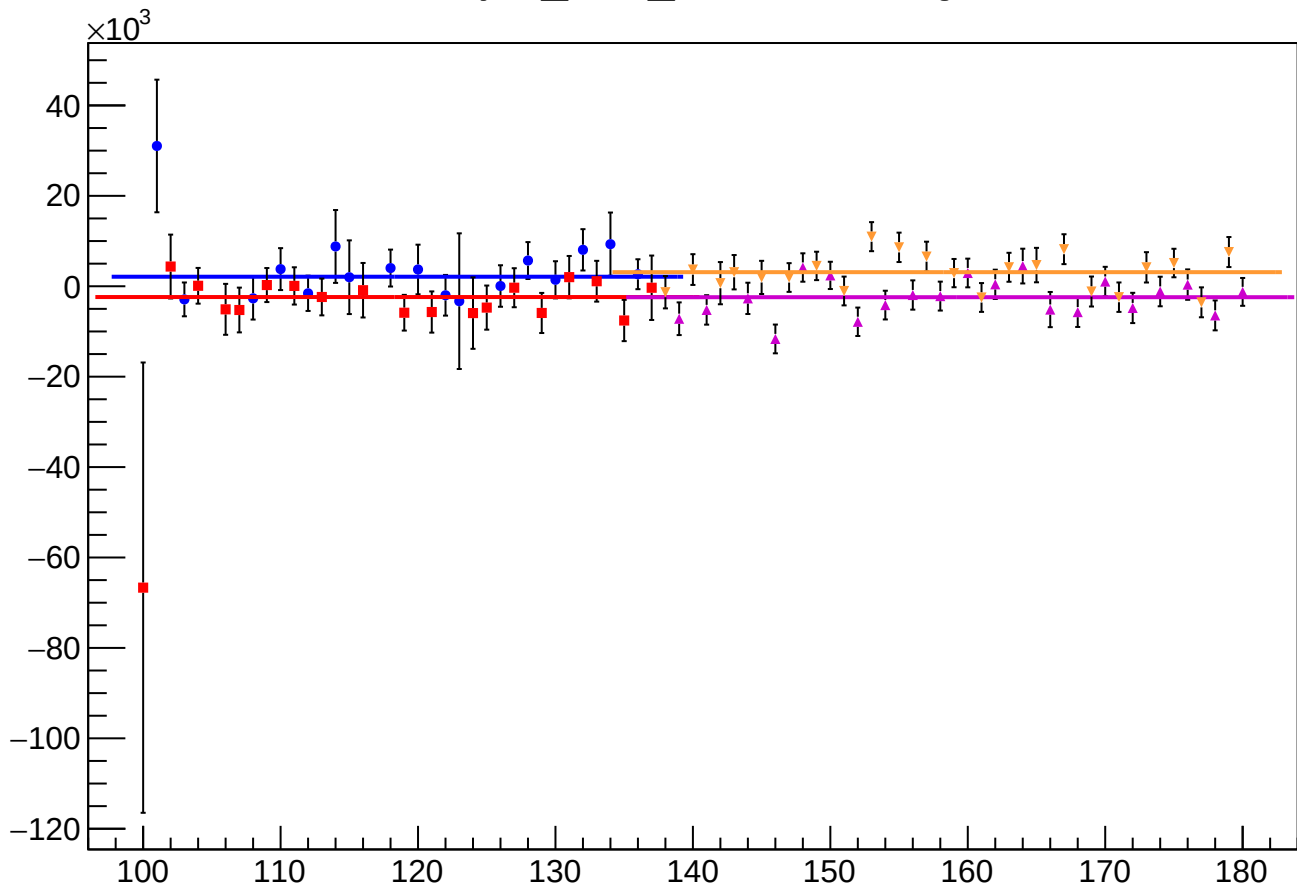
Left In: 782.859 ± 0.139 $\chi^2/\text{NDF}: 1024568.7/20$

+ sign 709.837 ± 0.109 $\chi^2/\text{NDF}: 3465222.2/38$

All: 695.573 ± 0.075 $\chi^2/\text{NDF}: 6806267.5/78$

- sign 682.501 ± 0.104 $\chi^2/\text{NDF}: 3308047.7/39$

asym_atr1_mean vs Slug



Right In: 2108.498 $\pm$ 1164.336 χ^2 /NDF: 13.5/16

Left Out: 3117.822 $\pm$ 715.802 χ^2 /NDF:30.6/21

Right Out: -2385.851 $\pm$ 1110.248 χ^2 /NDF: 9.9/18

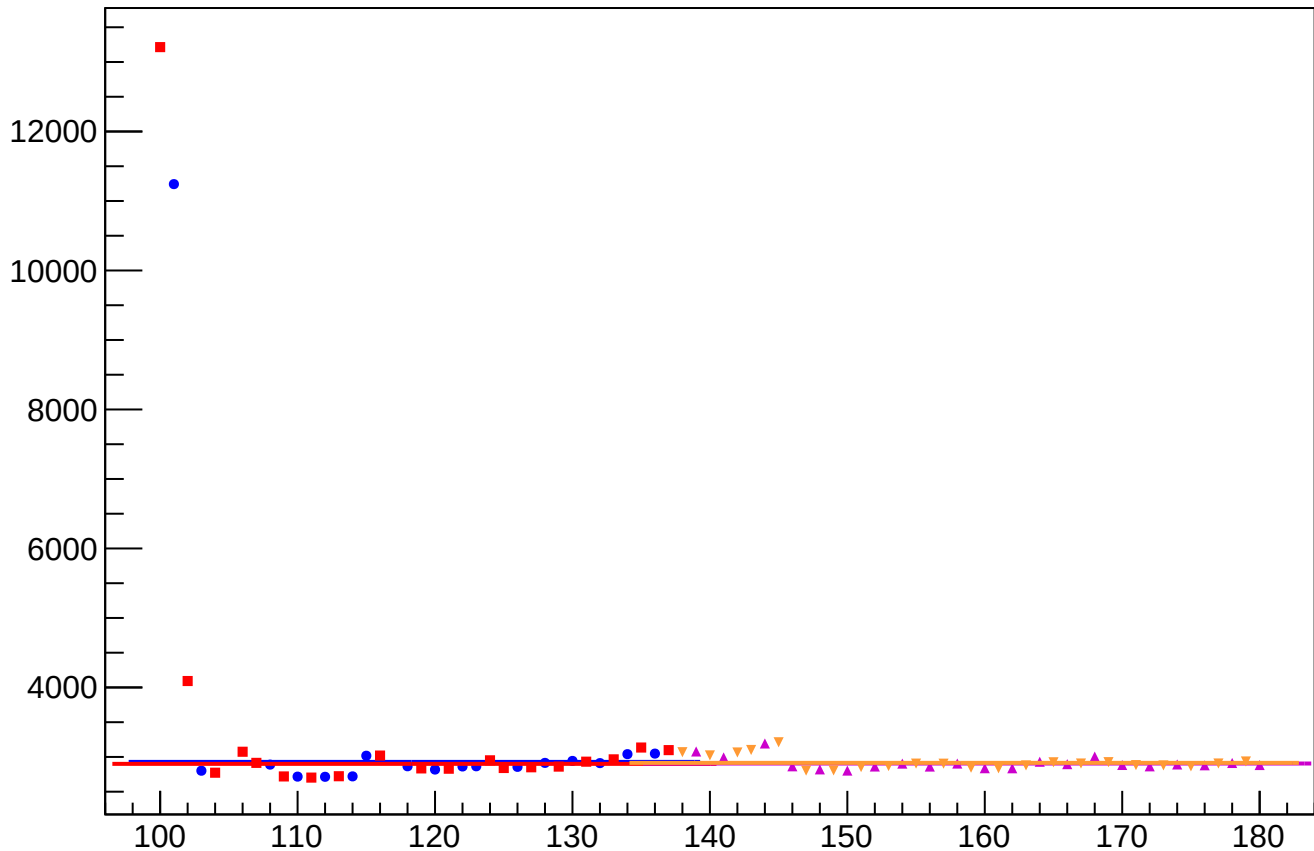
Left In: -2420.272 $\pm$ 717.764 χ^2 /NDF:33.6/20

+ sign 2840.983 $\pm$ 609.785 χ^2 /NDF: 44.6/38

All: 185.048 $\pm$ 428.681 χ^2 /NDF: 125.6/78

- sign -2410.126 $\pm$ 602.770 χ^2 /NDF: 43.5/39

asym_atr1_rms vs Slug



Right In: 2928.700 $\pm$ 0.823 χ^2 /NDF: 662362.9/16

Left Out: 2914.924 $\pm$ 0.506 χ^2 /NDF: 35136.9/21

Right Out: 2900.472 $\pm$ 0.785 χ^2 /NDF: 169720.6/18

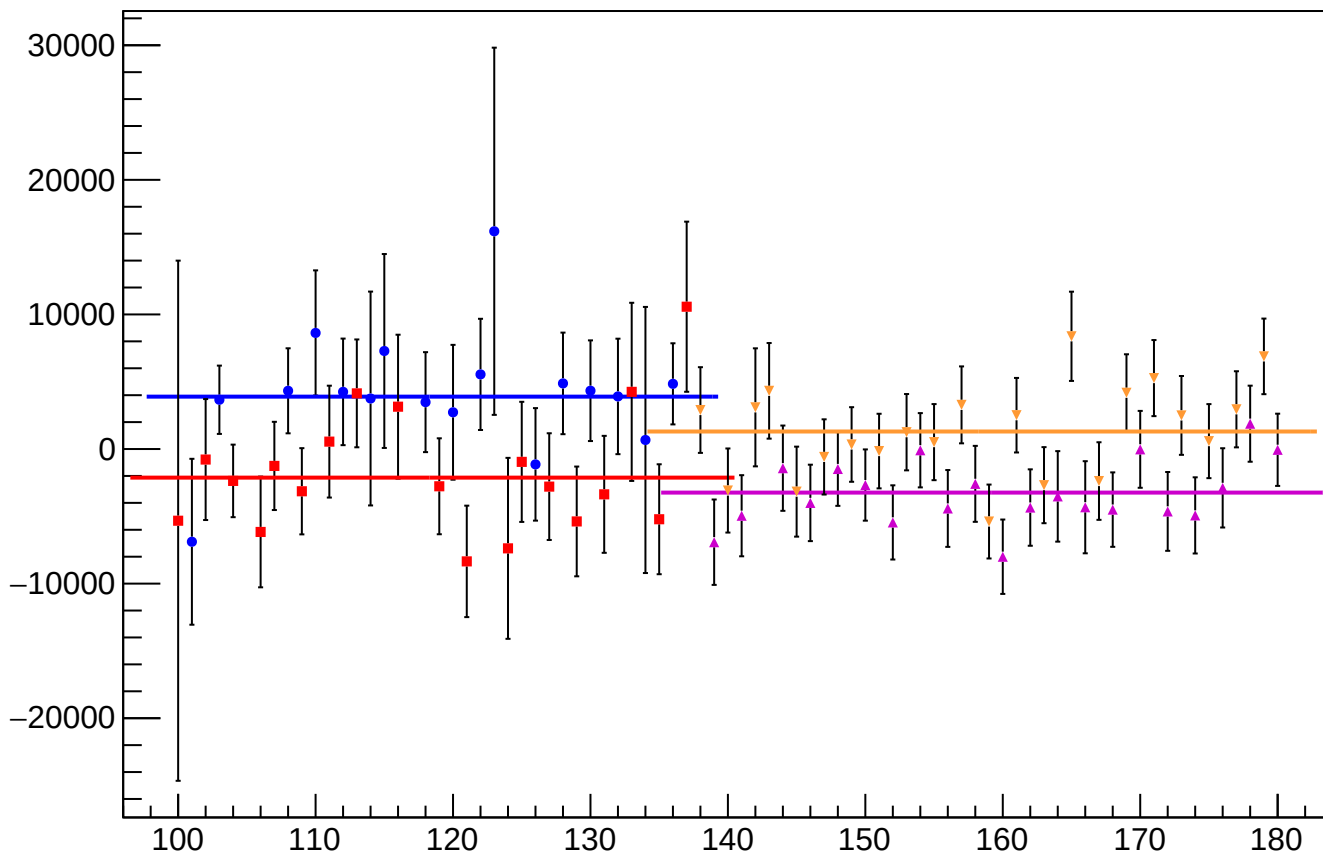
Left In: 2905.417 $\pm$ 0.508 χ^2 /NDF: 29071.5/20

+ sign 2918.702 $\pm$ 0.431 χ^2 /NDF: 697703.0/38

All: 2911.246 $\pm$ 0.303 χ^2 /NDF: 897114.4/78

- sign 2903.960 $\pm$ 0.426 χ^2 /NDF: 198820.1/39

reg_asym_atr2_mean vs Slug



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

Left Out: 1302.252+/-628.691 χ^2/NDF : 28.1/21

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

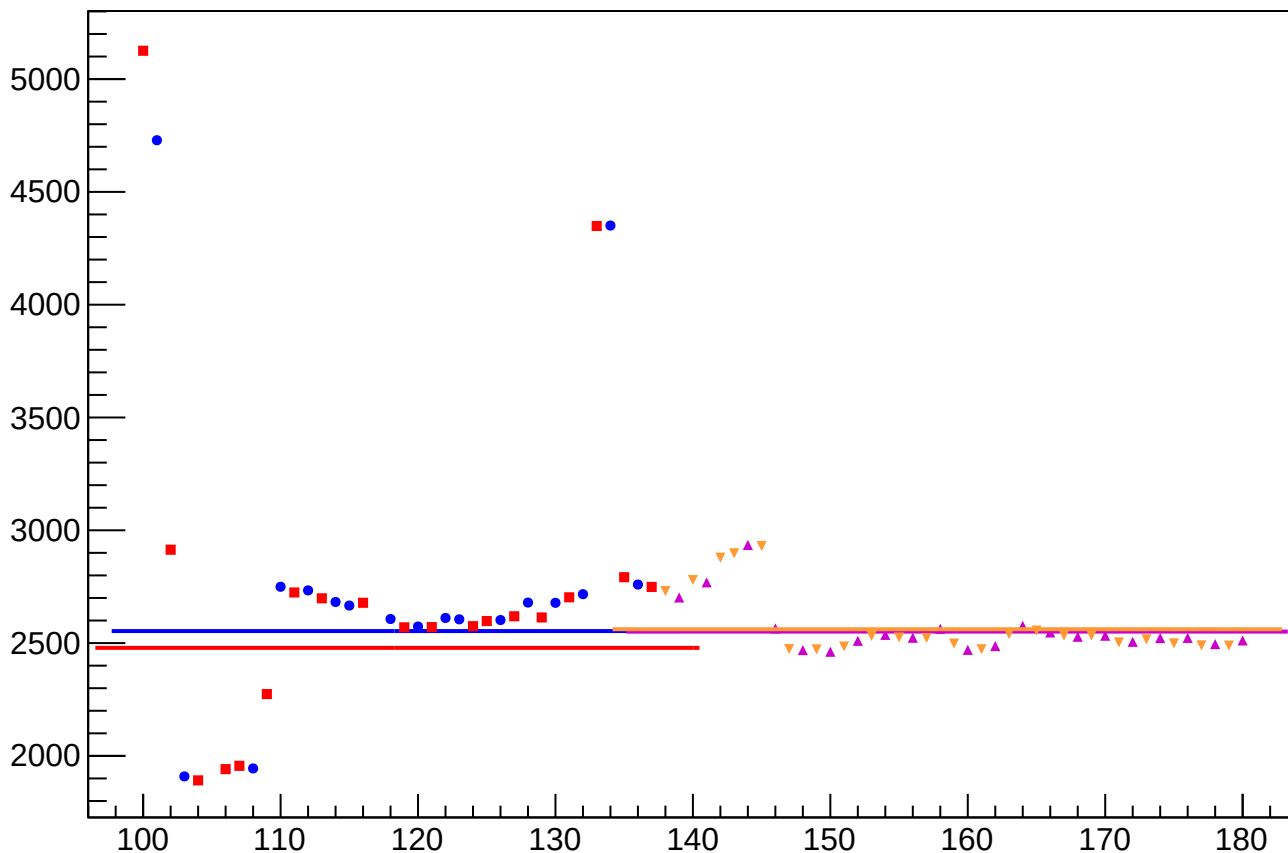
Left In: -3237.206+/-629.505 χ^2/NDF : 14.7/20

+ sign 2023.837+/-533.989 χ^2/NDF : 40.0/38

All: -475.414+/-374.788 χ^2/NDF : 113.1/78

- sign -2901.912+/-526.159 χ^2/NDF : 30.0/39

reg_asym_atr2_rms vs Slug



Right In: 2553.280+/-0.715 χ^2/NDF : 545226.9/16

Left Out: 2561.494+/-0.445 χ^2/NDF : 83283.3/21

Right Out: 2478.860+/-0.678 χ^2/NDF : 449502.6/18

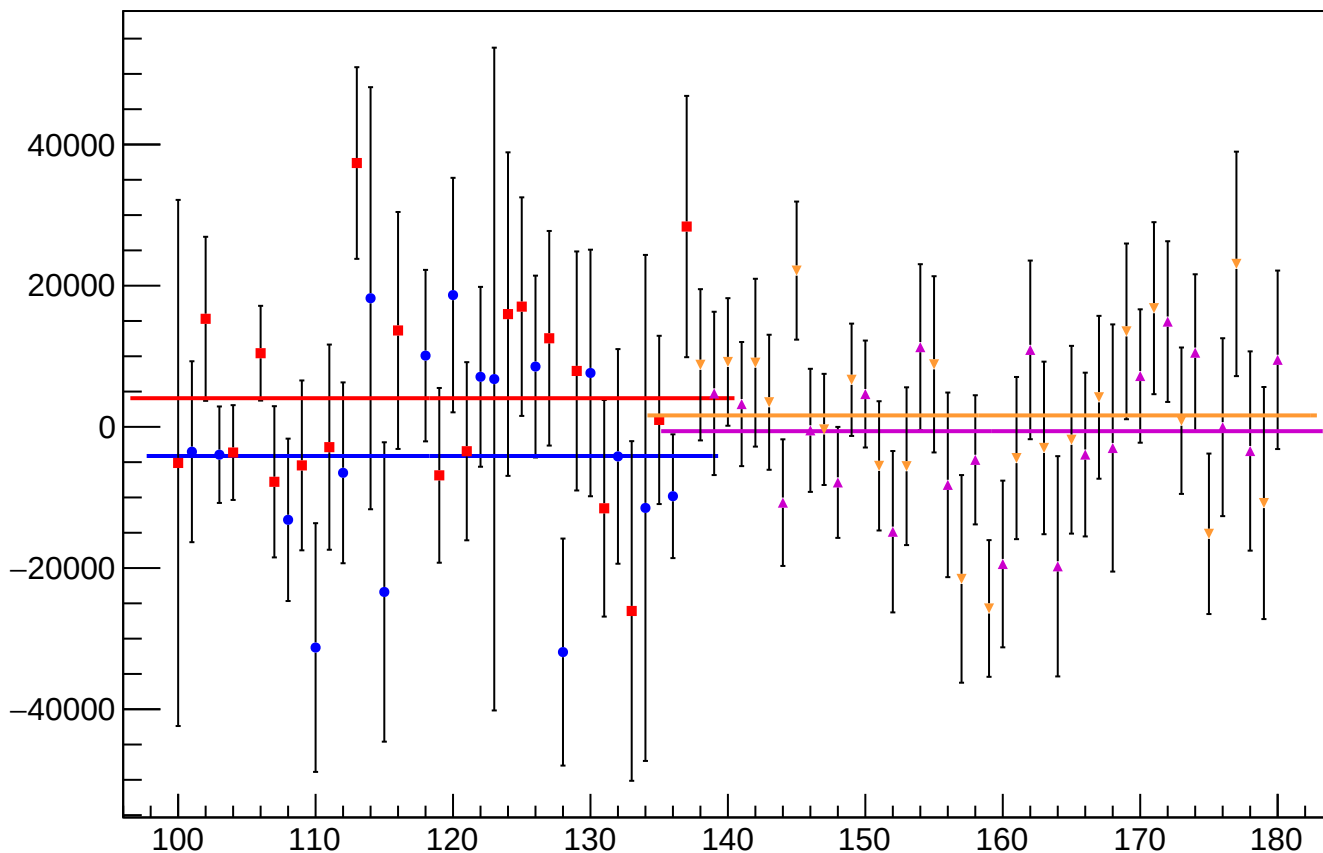
Left In: 2551.002+/-0.445 χ^2/NDF : 54401.1/20

+ sign 2559.206+/-0.378 χ^2/NDF : 628605.4/38

All: 2544.012+/-0.265 χ^2/NDF : 1143617.2/78

- sign 2529.260+/-0.372 χ^2/NDF : 511820.3/39

asym_atr2_correction_mean vs Slug



Right In: -4126.319 ± 3227.044 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 1623.066 ± 2304.313 $\chi^2/\text{NDF}: 25.8/21$

Right Out: 4060.328 ± 2834.326 $\chi^2/\text{NDF}: 18.5/18$

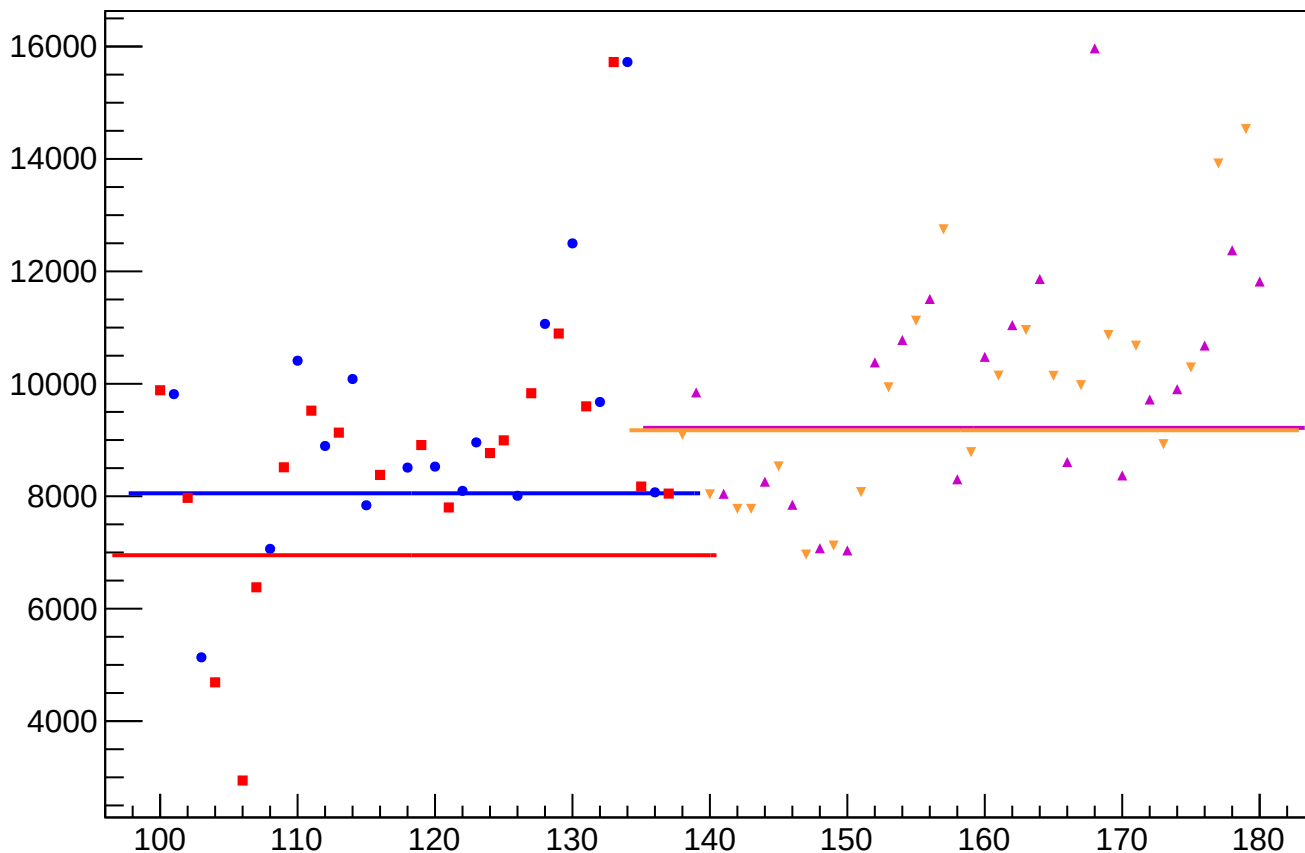
Left In: -609.852 ± 2324.118 $\chi^2/\text{NDF}: 15.3/20$

+ sign -318.493 ± 1875.294 $\chi^2/\text{NDF}: 41.3/38$

All: 508.380 ± 1297.533 $\chi^2/\text{NDF}: 77.1/78$

- sign 1267.798 ± 1797.175 $\chi^2/\text{NDF}: 35.5/39$

asym_atr2_correction_rms vs Slug



Right In: 8052.552+/-2.282 χ^2 /NDF: 790724.2/16

Left Out: 9173.670+/-1.629 χ^2 /NDF:1165736.1/21

Right Out: 6950.943+/-2.004 χ^2 /NDF: 1776578.9/18

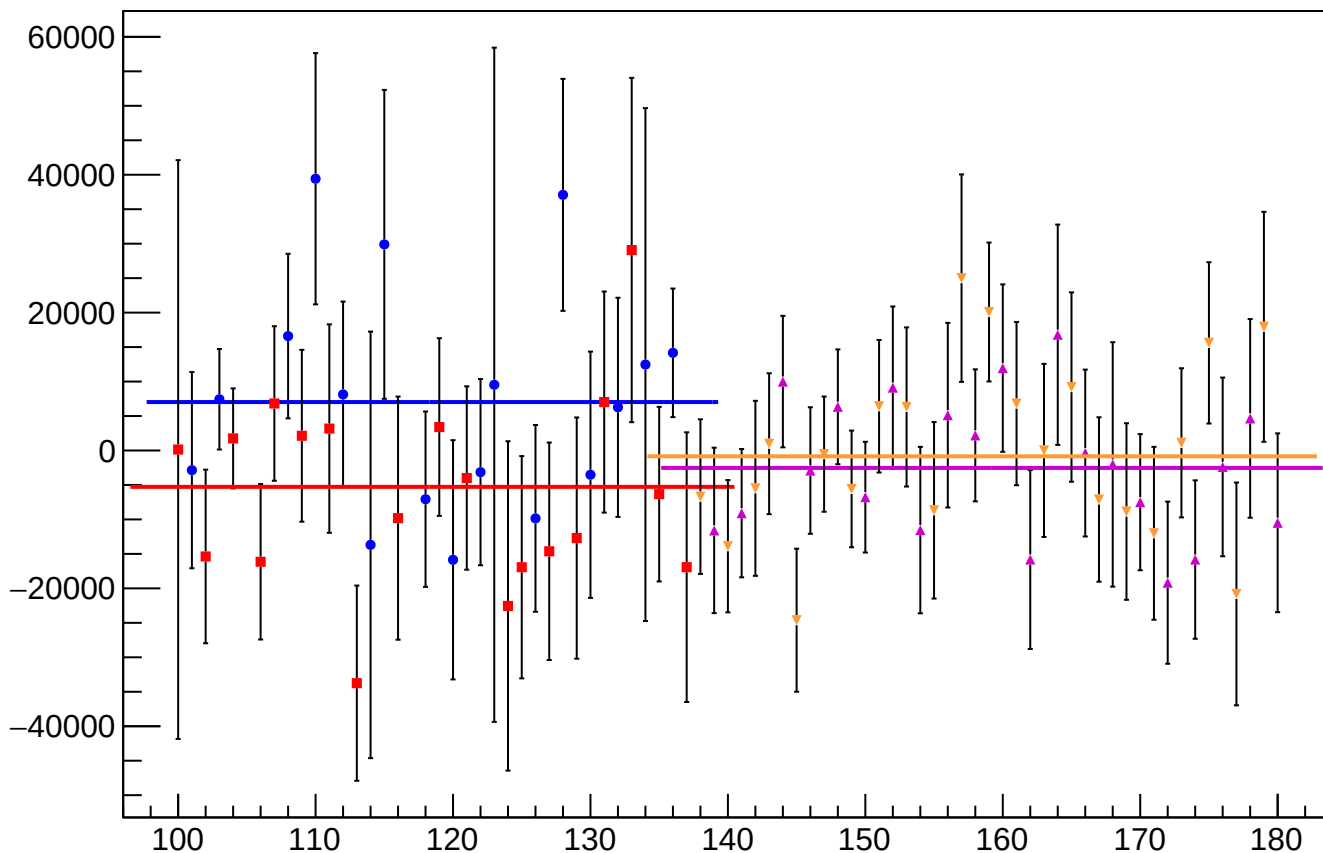
Left In: 9216.385+/-1.643 χ^2 /NDF:1229951.5/20

+ sign 8795.070+/-1.326 χ^2 /NDF: 2116334.6/38

All: 8539.908+/-0.917 χ^2 /NDF: 5957911.3/78

- sign 8305.562+/-1.271 χ^2 /NDF: 3770542.7/39

asym_atr2_mean vs Slug



Right In: 7025.400 ± 3409.490 χ^2/NDF : 15.0/16

Left Out: -843.241 ± 2408.238 χ^2/NDF : 23.7/21

Right Out: -5271.793 ± 3168.195 χ^2/NDF : 13.4/18

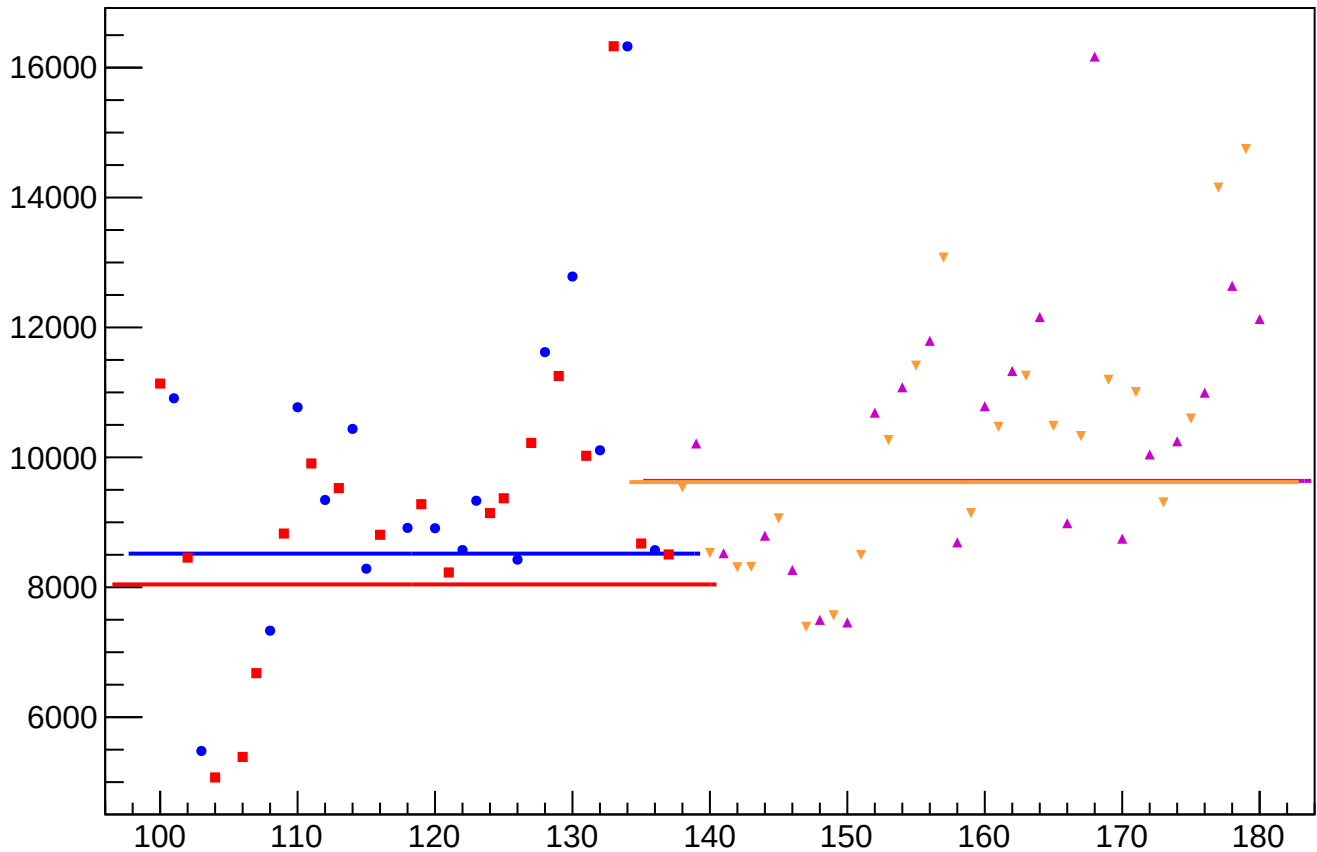
Left In: -2526.343 ± 2423.446 χ^2/NDF : 14.5/20

+ sign 1775.816 ± 1967.034 χ^2/NDF : 42.2/38

All: -939.554 ± 1375.756 χ^2/NDF : 74.3/78

- sign -3539.776 ± 1924.876 χ^2/NDF : 28.3/39

asym_atr2_rms vs Slug



Right In: 8517.886+/-2.411 χ^2/NDF : 763281.4/16

Left Out: 9619.357+/-1.703 χ^2/NDF : 1004181.1/21

Right Out: 8043.998+/-2.240 χ^2/NDF : 952125.8/18

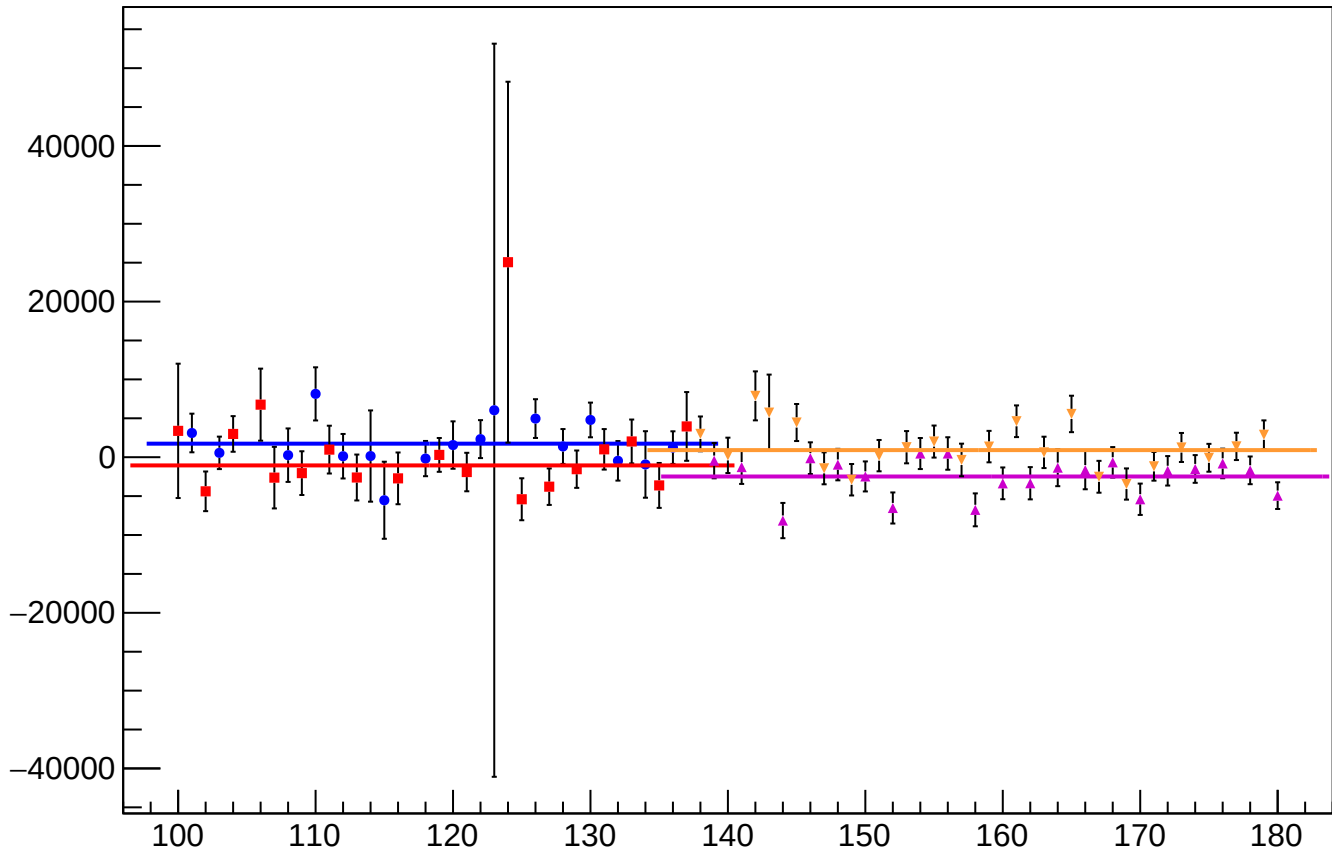
Left In: 9637.921+/-1.714 χ^2/NDF : 1074533.2/20

+ sign 9252.735+/-1.391 χ^2/NDF : 1906721.1/38

All: 9148.929+/-0.973 χ^2/NDF : 4263657.3/78

- sign 9049.527+/-1.361 χ^2/NDF : 2346032.6/39

reg_asym_atl_avg_mean vs Slug



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

Left Out: 911.035 ± 444.987 χ^2/NDF : 32.4/21

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

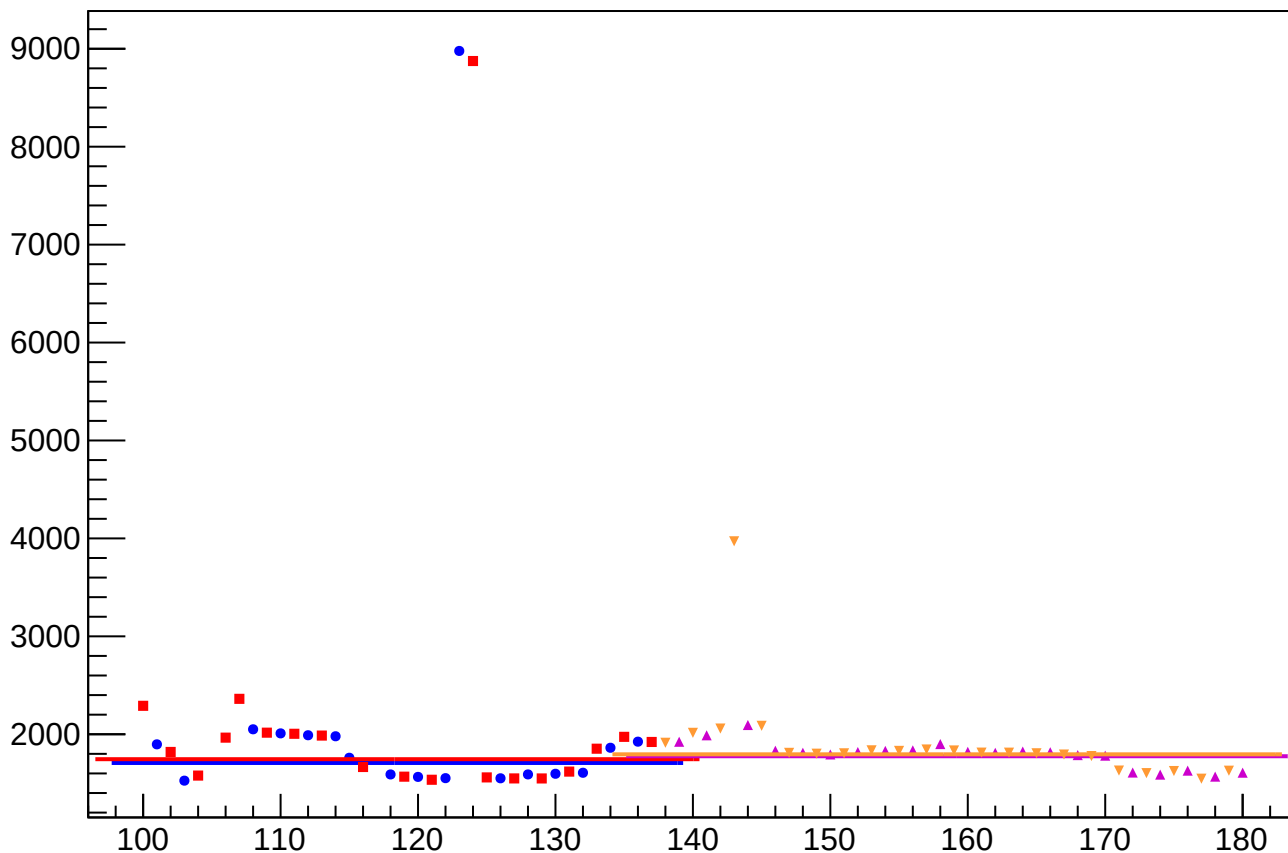
Left In: -2479.475 ± 440.406 χ^2/NDF : 28.8/20

+ sign 1164.455 ± 370.747 χ^2/NDF : 45.9/38

All: -454.306 ± 261.246 χ^2/NDF : 134.6/78

- sign -2050.751 ± 368.182 χ^2/NDF : 50.8/39

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1795.104+/-0.315 χ^2/NDF : 580317.4/21

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

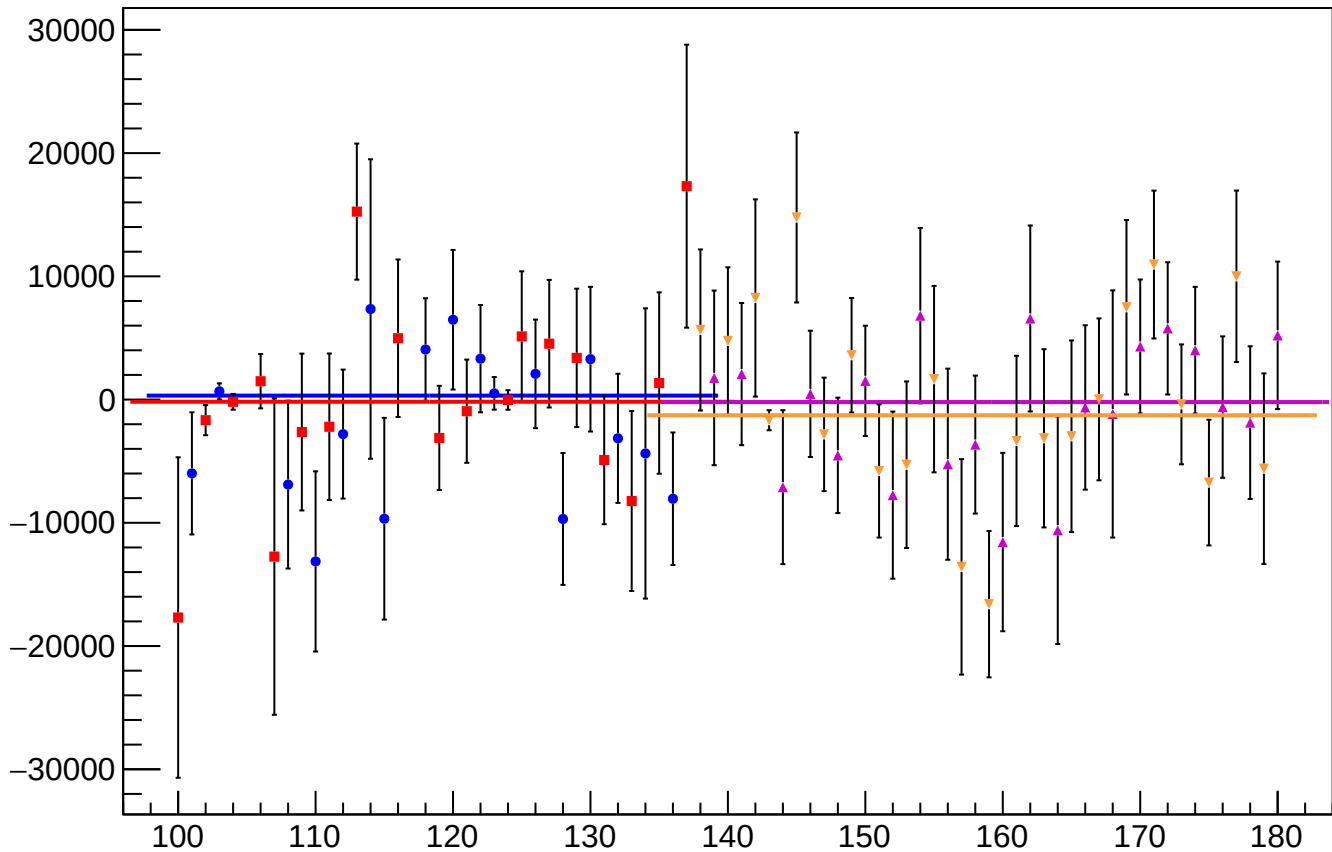
Left In: 1775.569+/-0.311 χ^2/NDF : 180018.1/20

+ sign 1768.117+/-0.262 χ^2/NDF : 801923.2/38

All: 1767.271+/-0.185 χ^2/NDF : 1384611.1/78

- sign 1766.439+/-0.260 χ^2/NDF : 582667.2/39

asym_atl_avg_correction_mean vs Slug



Right In: 320.899 $\pm$ 540.384 χ^2 /NDF: 18.0/16

Left Out: -1272.832 $\pm$ 698.619 χ^2 /NDF:30.3/21

Right Out: -176.640 $\pm$ 433.552 χ^2 /NDF: 20.8/18

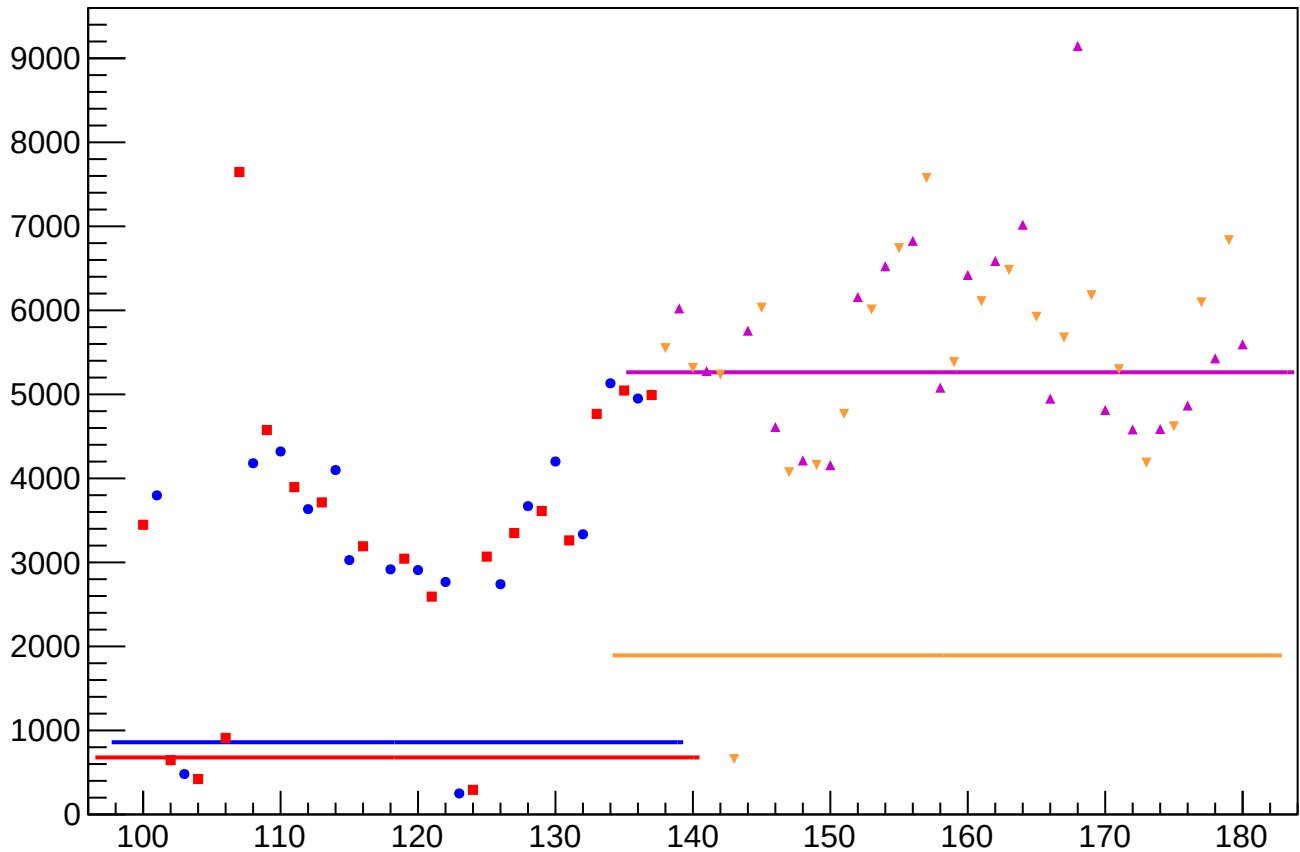
Left In: -201.434 $\pm$ 1323.626 χ^2 /NDF:13.5/20

+ sign -275.694 $\pm$ 427.437 χ^2 /NDF: 51.6/38

All: -225.593 $\pm$ 296.640 χ^2 /NDF: 85.9/78

- sign -179.042 $\pm$ 412.013 χ^2 /NDF: 34.3/39

asym_atl_avg_correction_rms vs Slug



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

Left Out: 1892.952 ± 0.494 χ^2/NDF : 18210816.7/21

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

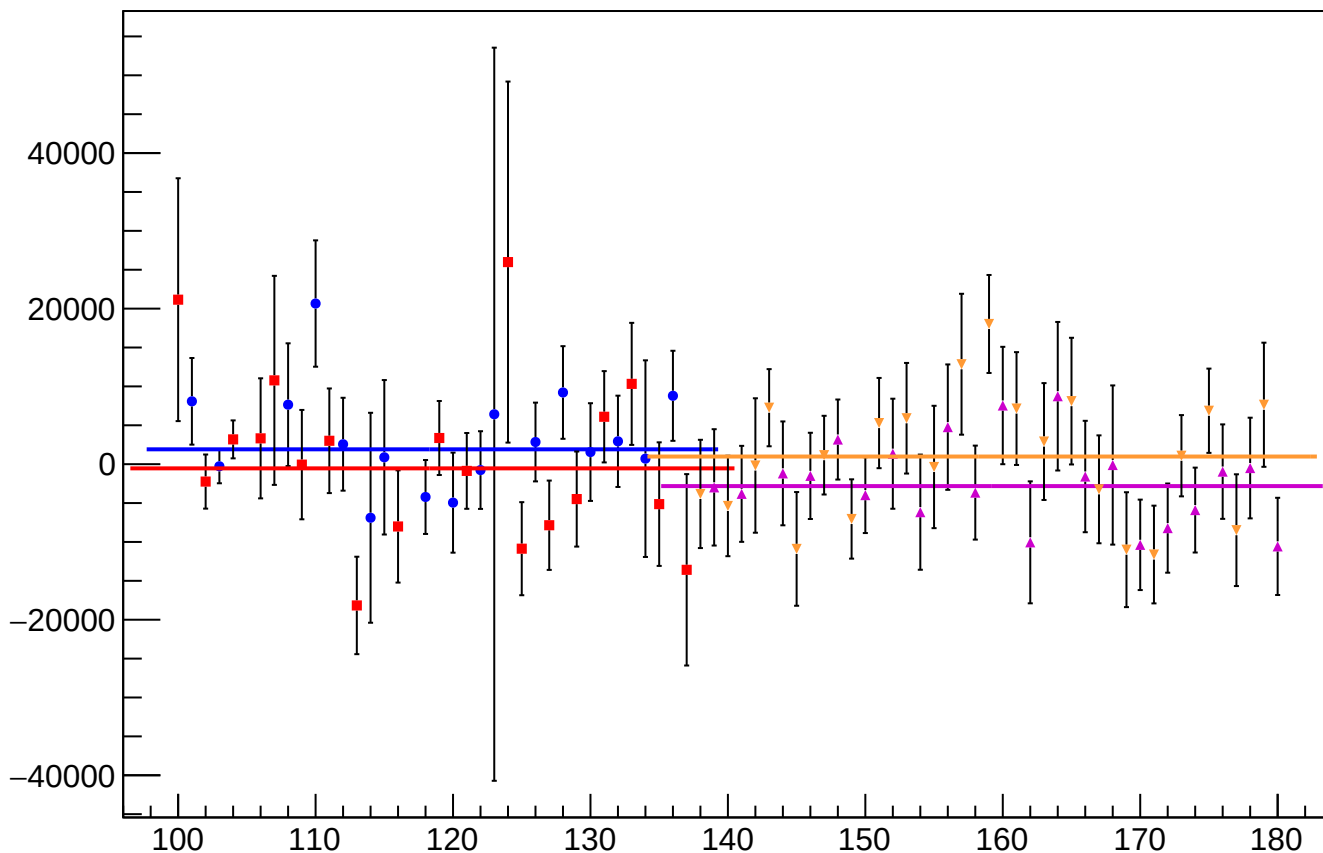
Left In: 5262.900 ± 0.936 χ^2/NDF : 1058544.8/20

+ sign 1246.396 ± 0.302 χ^2/NDF : 29092005.8/38

All: 1182.321 ± 0.210 χ^2/NDF : 60288352.8/7

- sign 1122.787 ± 0.291 χ^2/NDF : 31109647.2/39

asym_atl_avg_mean vs Slug



Right In: 1909.348 $\pm$ 1310.219 χ^2 /NDF: 14.6/16

Left Out: 982.309 $\pm$ 1386.851 χ^2 /NDF:30.5/21

Right Out: -539.549 $\pm$ 1285.817 χ^2 /NDF: 26.4/18

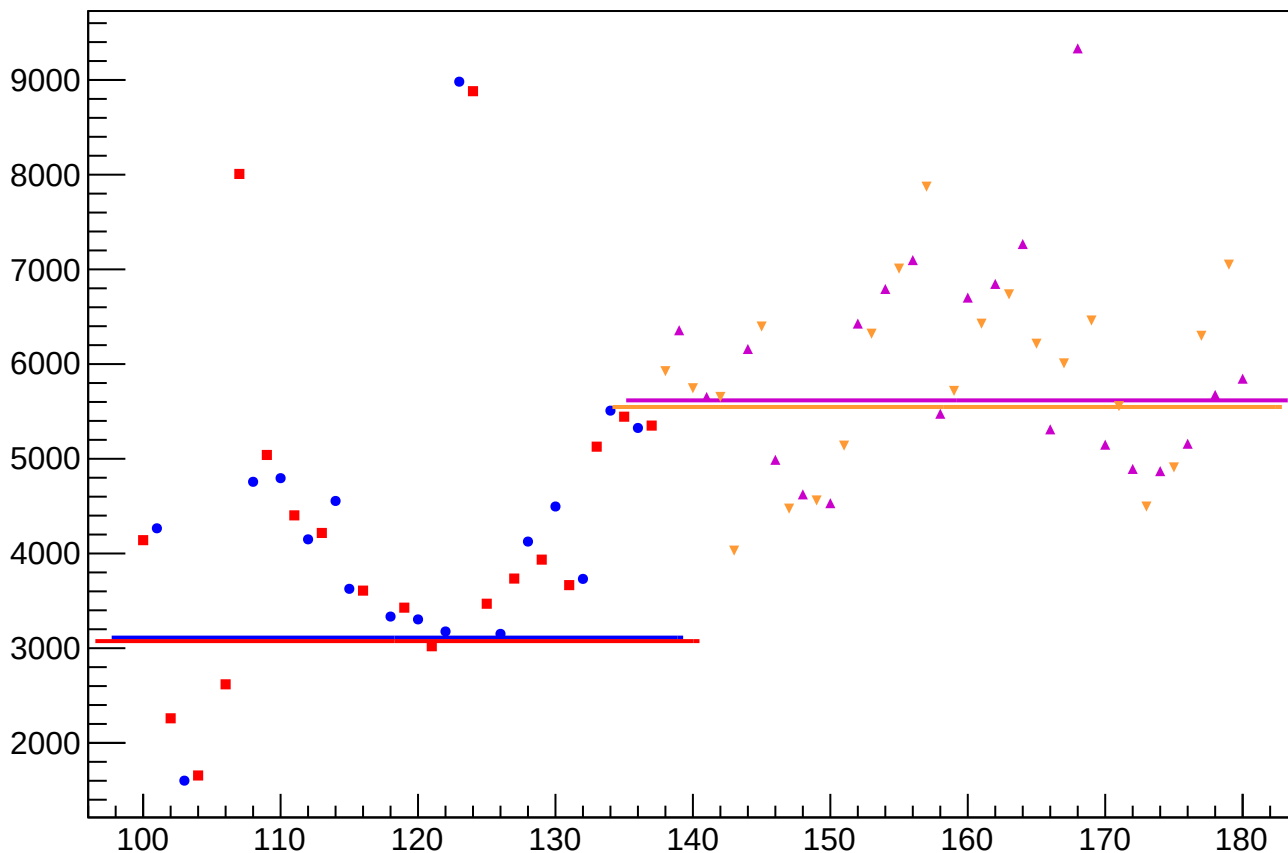
Left In: -2818.370 $\pm$ 1408.778 χ^2 /NDF:12.0/20

+ sign 1472.147 $\pm$ 952.404 χ^2 /NDF: 45.3/38

All: -55.834 $\pm$ 672.497 χ^2 /NDF: 90.2/78

- sign -1575.188 $\pm$ 949.711 χ^2 /NDF: 39.8/39

asym_atl_avg_rms vs Slug



Right In: 3111.825+/-0.926 χ^2/NDF : 1879558.6/16

Left Out: 5546.976+/-0.981 χ^2/NDF : 956957.4/21

Right Out: 3074.771+/-0.896 χ^2/NDF : 2005627.6/18

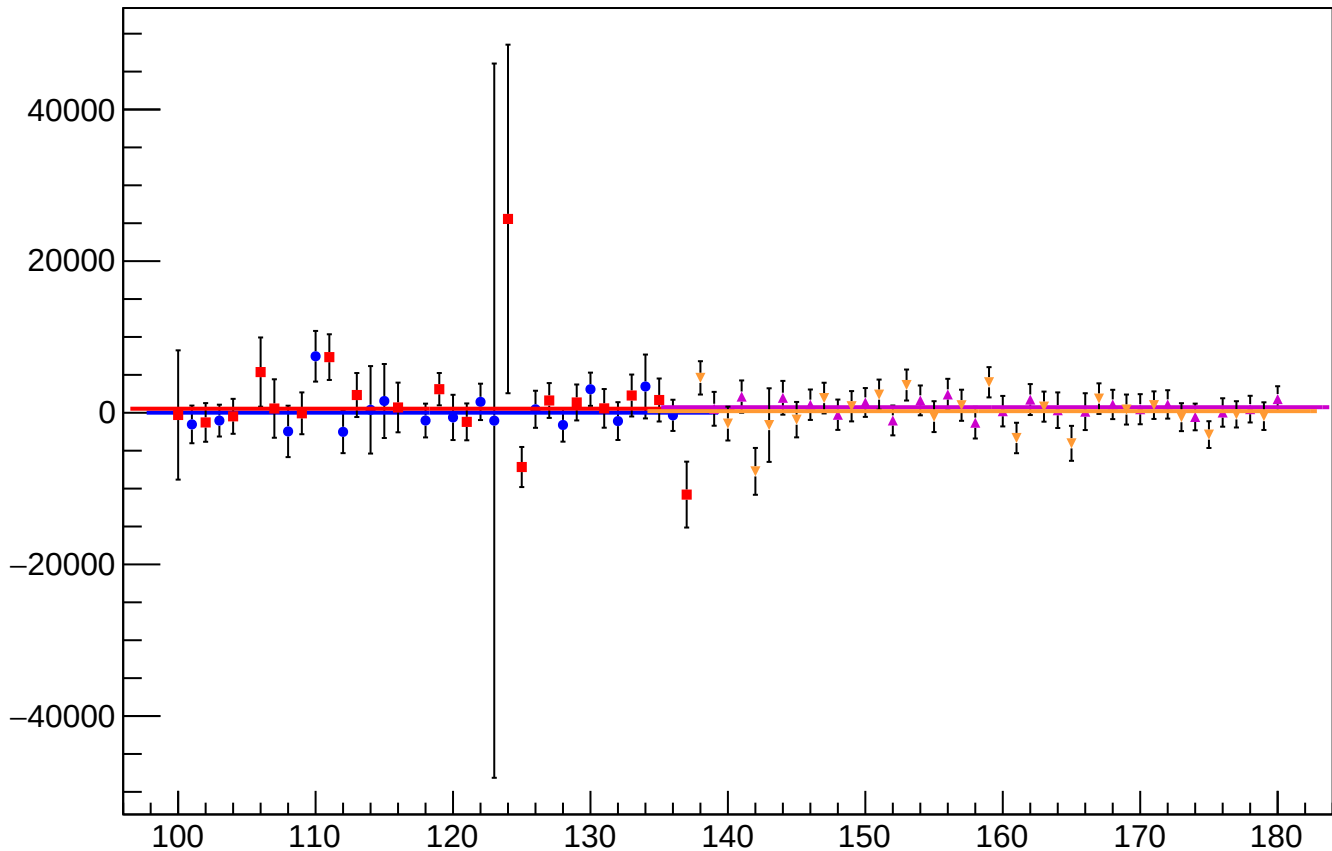
Left In: 5616.890+/-0.996 χ^2/NDF : 891563.9/20

+ sign 4260.261+/-0.673 χ^2/NDF : 6094728.1/38

All: 4235.729+/-0.474 χ^2/NDF : 12594263.6/79

- sign 4211.724+/-0.666 χ^2/NDF : 6496910.2/39

reg_asym_atl_dd_mean vs Slug



Right In: 14.118 $\pm$ 661.101 χ^2 /NDF: 11.1/16

Left Out: 214.167 $\pm$ 438.642 χ^2 /NDF:31.2/21

Right Out: 537.476 $\pm$ 661.143 χ^2 /NDF: 26.7/18

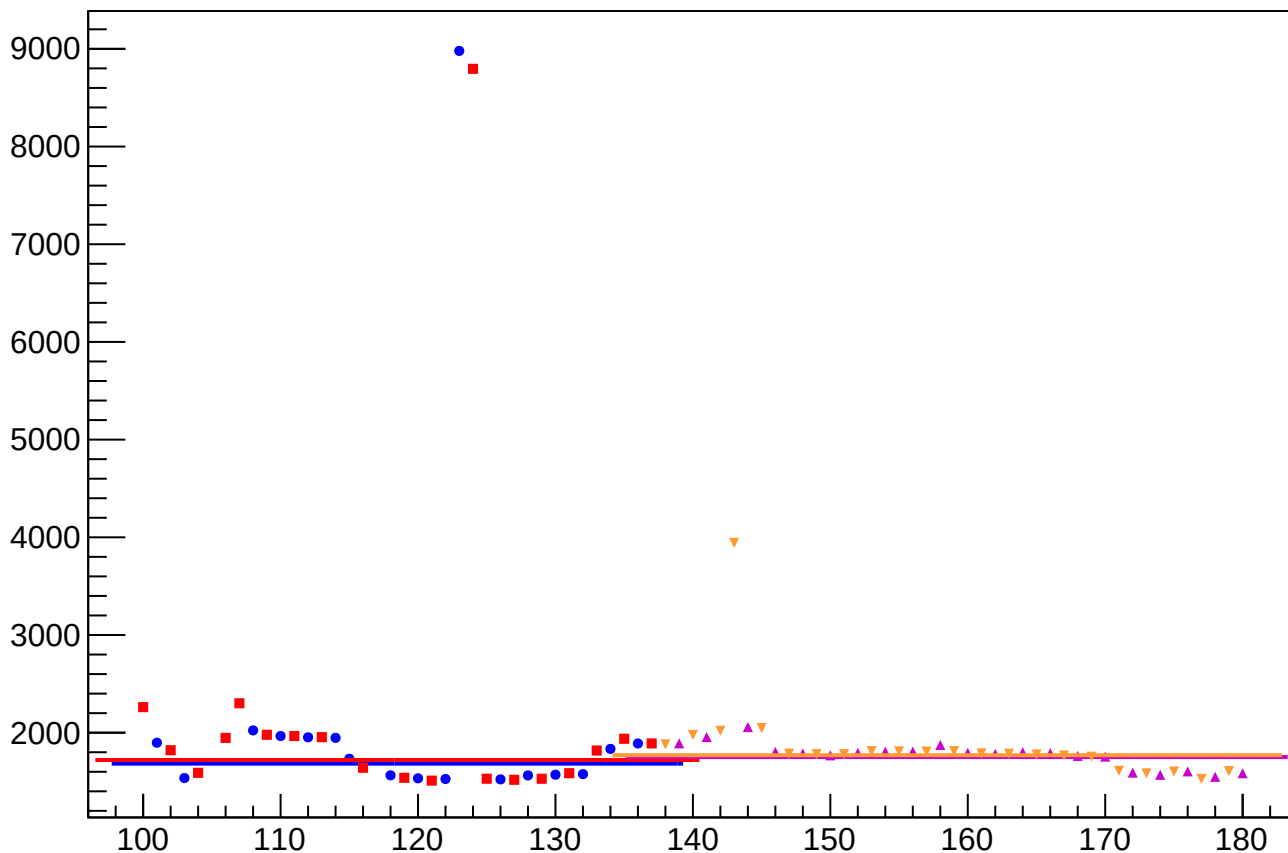
Left In: 733.023 $\pm$ 434.201 χ^2 /NDF:5.3/20

+ sign 153.018 $\pm$ 365.505 χ^2 /NDF: 42.4/38

All: 415.399 $\pm$ 257.536 χ^2 /NDF: 75.5/78

- sign 674.097 $\pm$ 362.931 χ^2 /NDF: 32.1/39

reg_asym_atl_dd_rms vs Slug



Right In: 1683.259+/-0.467 χ^2/NDF : 195893.7/16

Left Out: 1769.581+/-0.310 χ^2/NDF : 577737.1/21

Right Out: 1720.379+/-0.465 χ^2/NDF : 396099.9/18

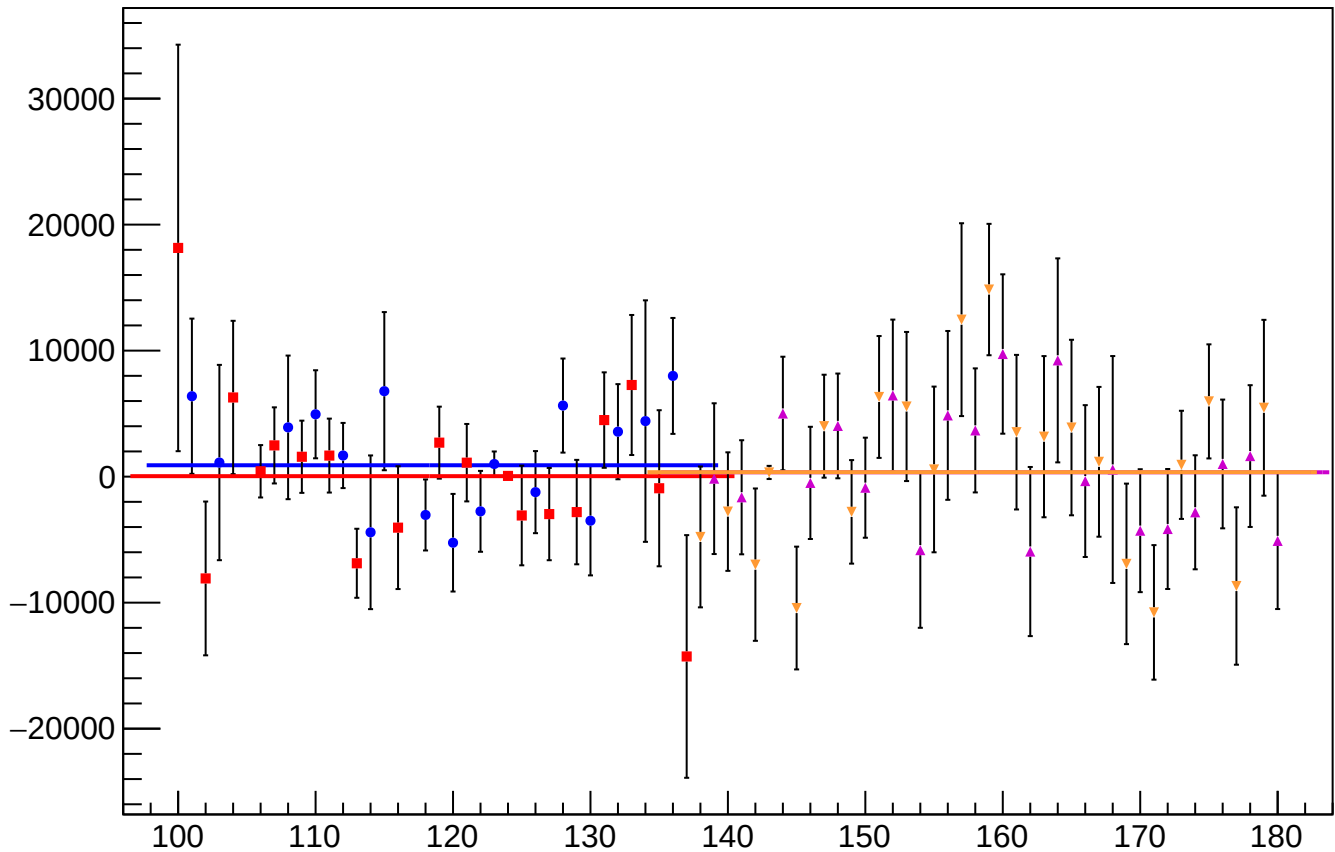
Left In: 1750.649+/-0.307 χ^2/NDF : 174395.2/20

+ sign 1743.195+/-0.258 χ^2/NDF : 797306.6/38

All: 1742.326+/-0.182 χ^2/NDF : 1370770.8/78

- sign 1741.472+/-0.256 χ^2/NDF : 573441.8/39

asym_atl_dd_correction_mean vs Slug



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

Left Out: 354.383+/-477.465 χ^2/NDF : 32.2/21

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

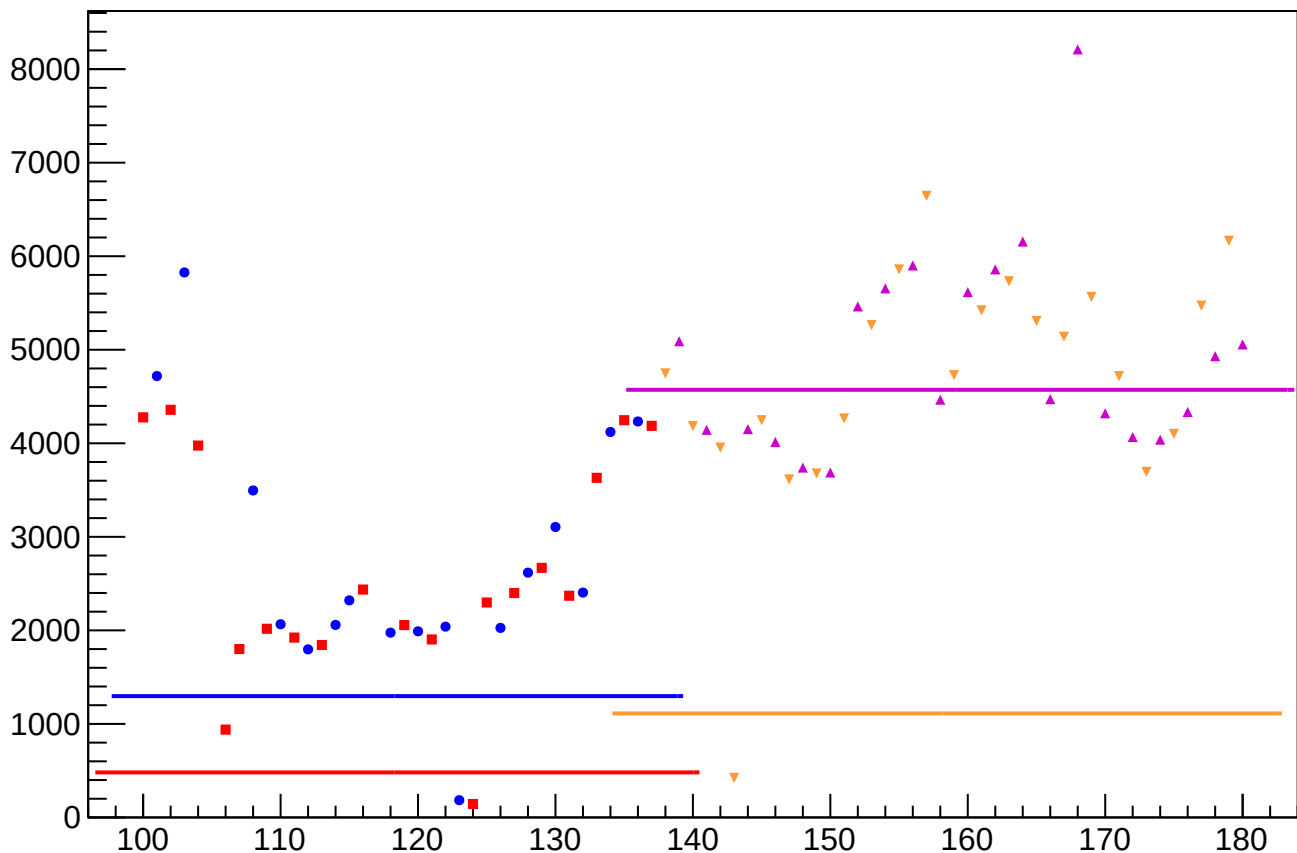
Left In: 346.662+/-1149.573 χ^2/NDF : 12.8/20

+ sign 526.812+/-395.431 χ^2/NDF : 48.6/38

All: 262.193+/-258.281 χ^2/NDF : 82.7/78

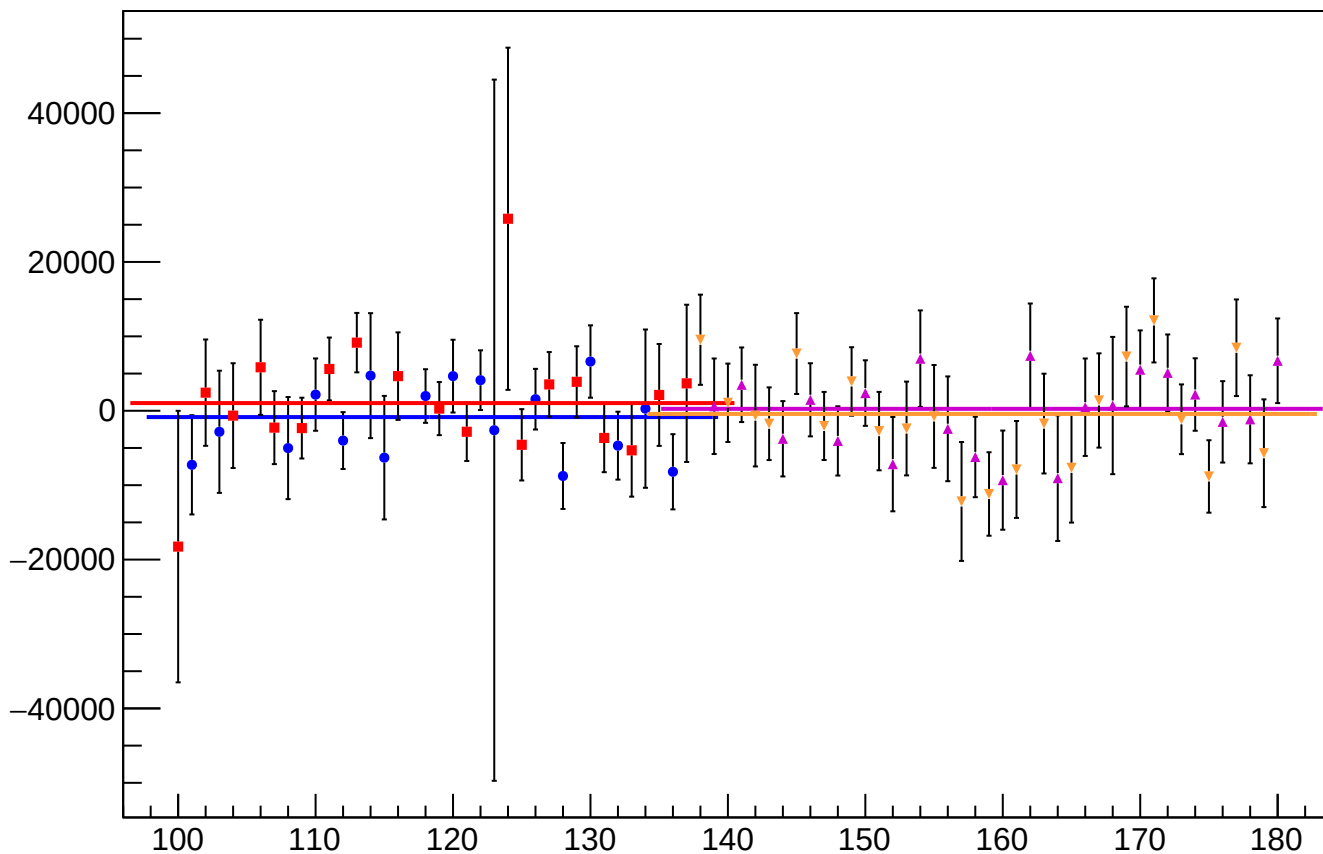
- sign 65.304+/-341.092 χ^2/NDF : 33.4/39

asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499	χ^2/NDF : 6509608.5/16	+ sign 1170.129+/-0.280	χ^2/NDF : 28652138.1/38
Left Out: 1112.027+/-0.338	χ^2/NDF : 22048242.0/21	All: 981.811+/-0.183	χ^2/NDF : 63742959.3/78
Right Out: 481.577+/-0.253	χ^2/NDF : 10144170.1/18	- sign 841.693+/-0.241	χ^2/NDF : 34299725.5/39
Left In: 4572.048+/-0.813	χ^2/NDF : 1062546.6/20		

asym_atl_dd_mean vs Slug



Right In: -849.372 ± 1261.026 χ^2/NDF : 15.4/16

Left Out: -427.249 ± 1232.325 χ^2/NDF : 26.3/21

Right Out: 1033.205 ± 1190.714 χ^2/NDF : 15.0/18

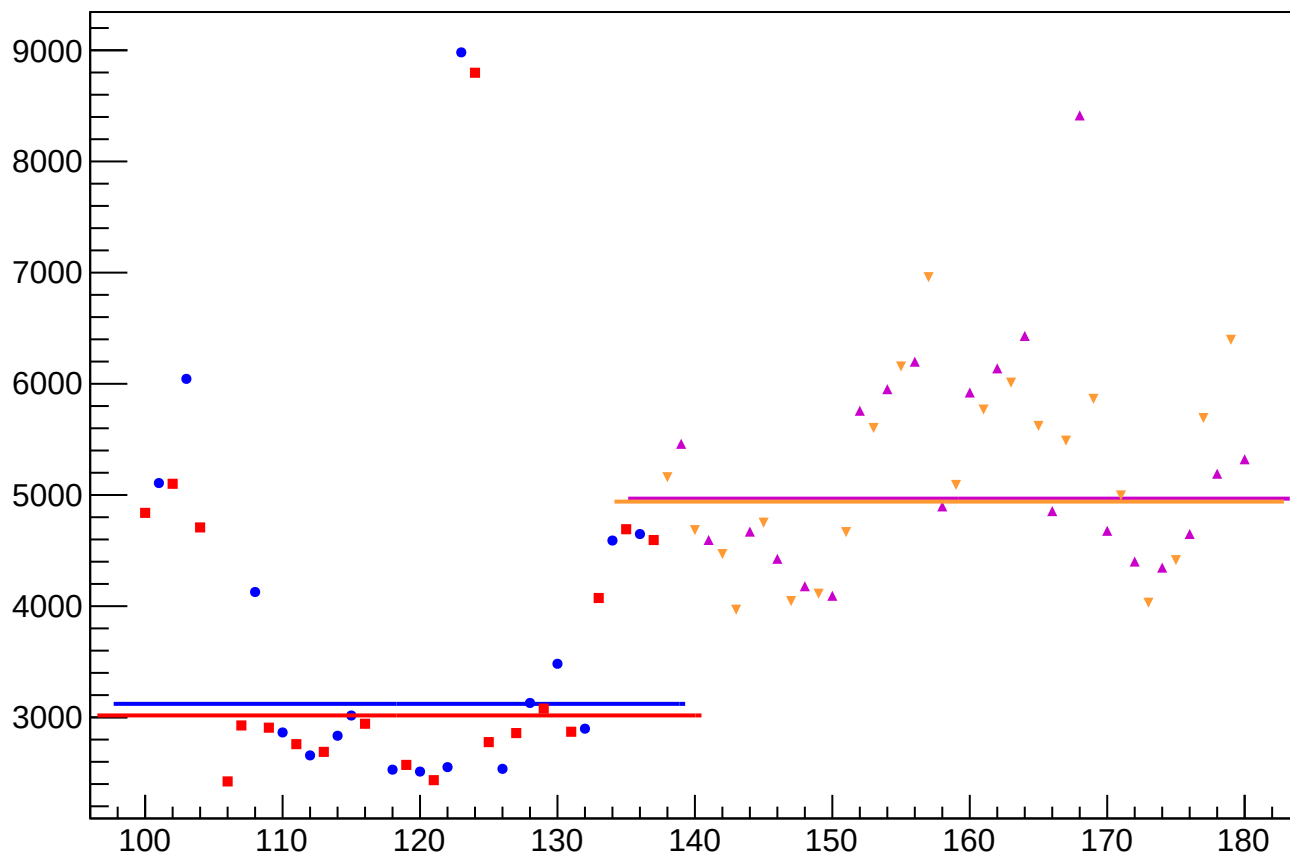
Left In: 260.395 ± 1244.569 χ^2/NDF : 14.0/20

+ sign -633.452 ± 881.357 χ^2/NDF : 41.8/38

All: 30.845 ± 615.660 χ^2/NDF : 72.2/78

- sign 663.882 ± 860.371 χ^2/NDF : 29.2/39

asym_atl_dd_rms vs Slug



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

Left Out: 4940.532+/-0.871 χ^2/NDF : 818542.9/21

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

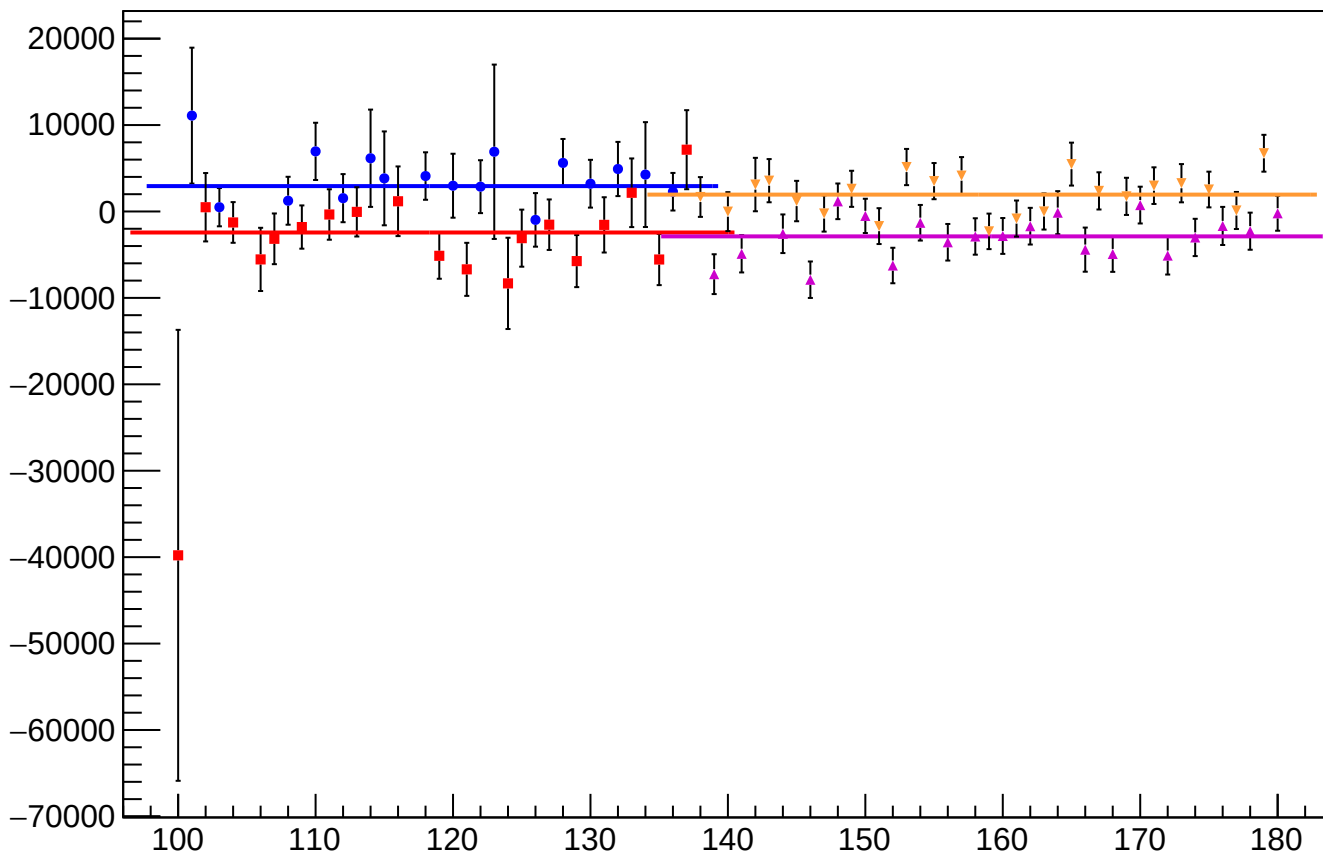
Left In: 4967.070+/-0.880 χ^2/NDF : 845084.8/20

+ sign 4051.907+/-0.623 χ^2/NDF : 3893166.8/38

All: 3992.622+/-0.434 χ^2/NDF : 8141499.8/78

- sign 3936.865+/-0.604 χ^2/NDF : 4230772.8/39

reg_asym_atr_avg_mean vs Slug



Right In: 2935.827 $\pm$ 775.365 χ^2 /NDF: 8.2/16

Left Out: 1951.378 $\pm$ 467.117 χ^2 /NDF:25.1/21

Right Out: -2432.756 $\pm$ 740.416 χ^2 /NDF: 18.2/18

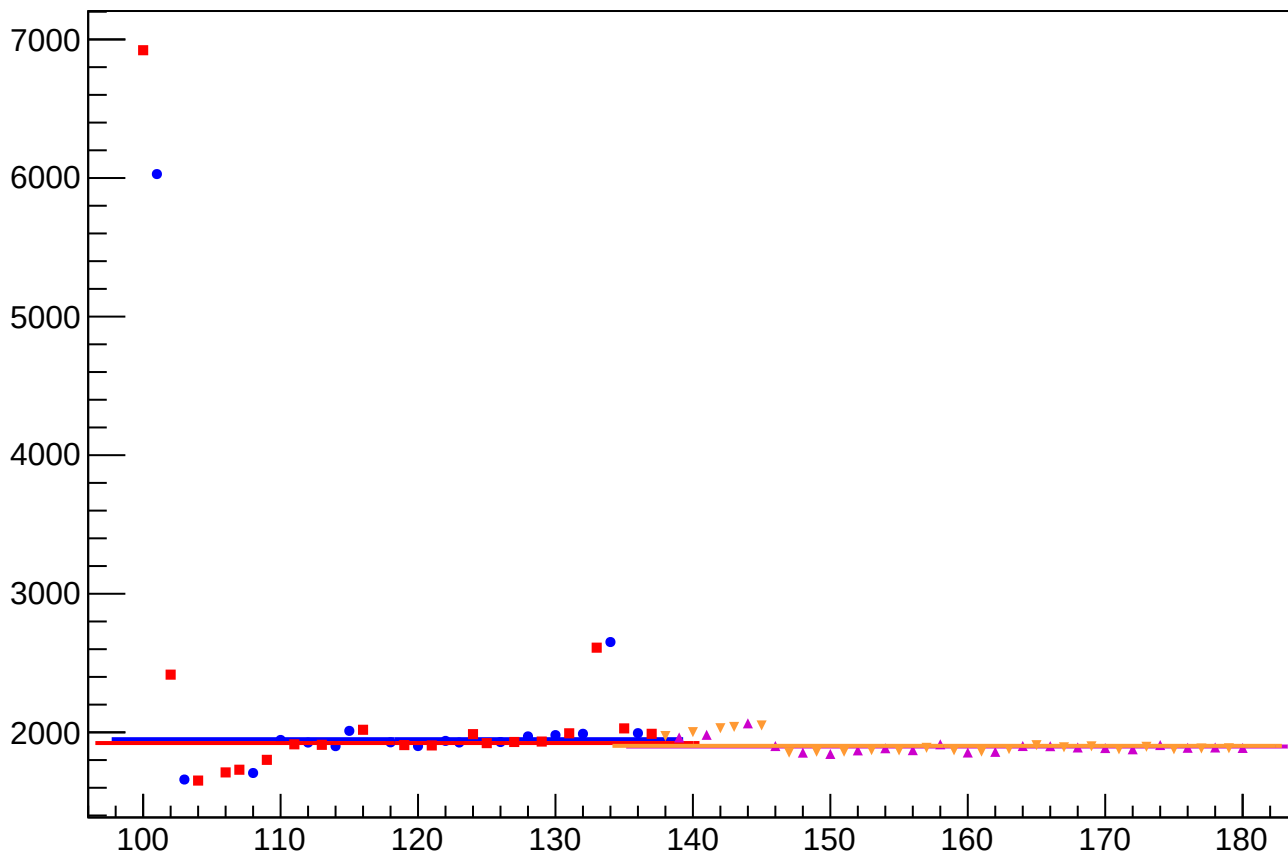
Left In: -2881.525 $\pm$ 468.672 χ^2 /NDF:27.7/20

+ sign 2213.531 $\pm$ 400.117 χ^2 /NDF: 34.4/38

All: -295.460 $\pm$ 281.461 χ^2 /NDF: 158.4/78

- sign -2753.152 $\pm$ 396.006 χ^2 /NDF: 46.2/39

reg_asym_atr_avg_rms vs Slug



Right In: 1950.615 ± 0.548 χ^2/NDF : 617332.2/16

Left Out: 1902.569 ± 0.330 χ^2/NDF : 29312.4/21

Right Out: 1922.752 ± 0.522 χ^2/NDF : 217400.0/18

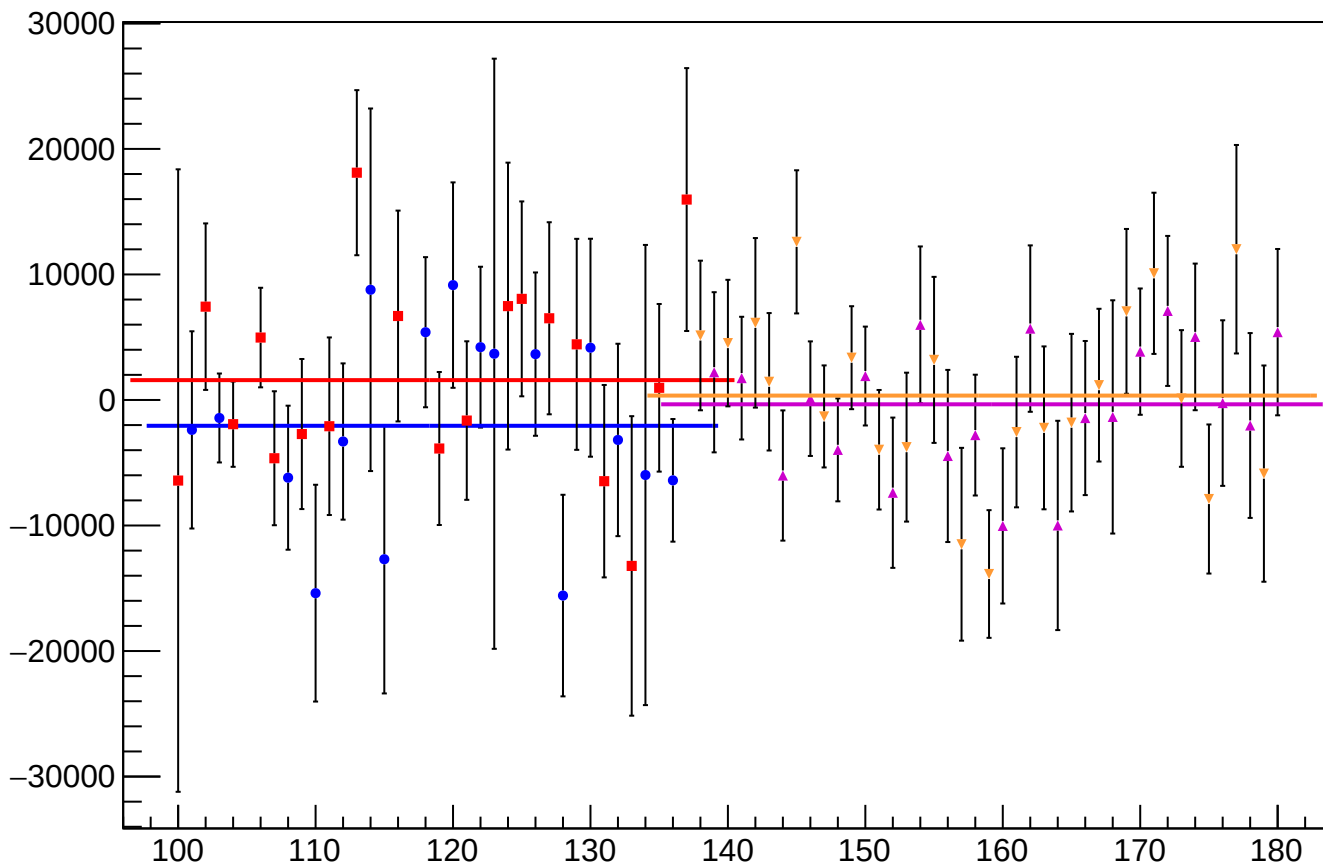
Left In: 1897.720 ± 0.331 χ^2/NDF : 21023.1/20

+ sign 1915.364 ± 0.283 χ^2/NDF : 652278.9/38

All: 1910.077 ± 0.199 χ^2/NDF : 893030.2/78

- sign 1904.905 ± 0.280 χ^2/NDF : 240060.5/39

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876 $\pm$ 1661.079 χ^2 /NDF: 14.0/16

Left Out: 349.587 $\pm$ 1230.263 χ^2 /NDF: 27.4/21

Right Out: 1580.717 $\pm$ 1477.405 χ^2 /NDF: 18.6/18

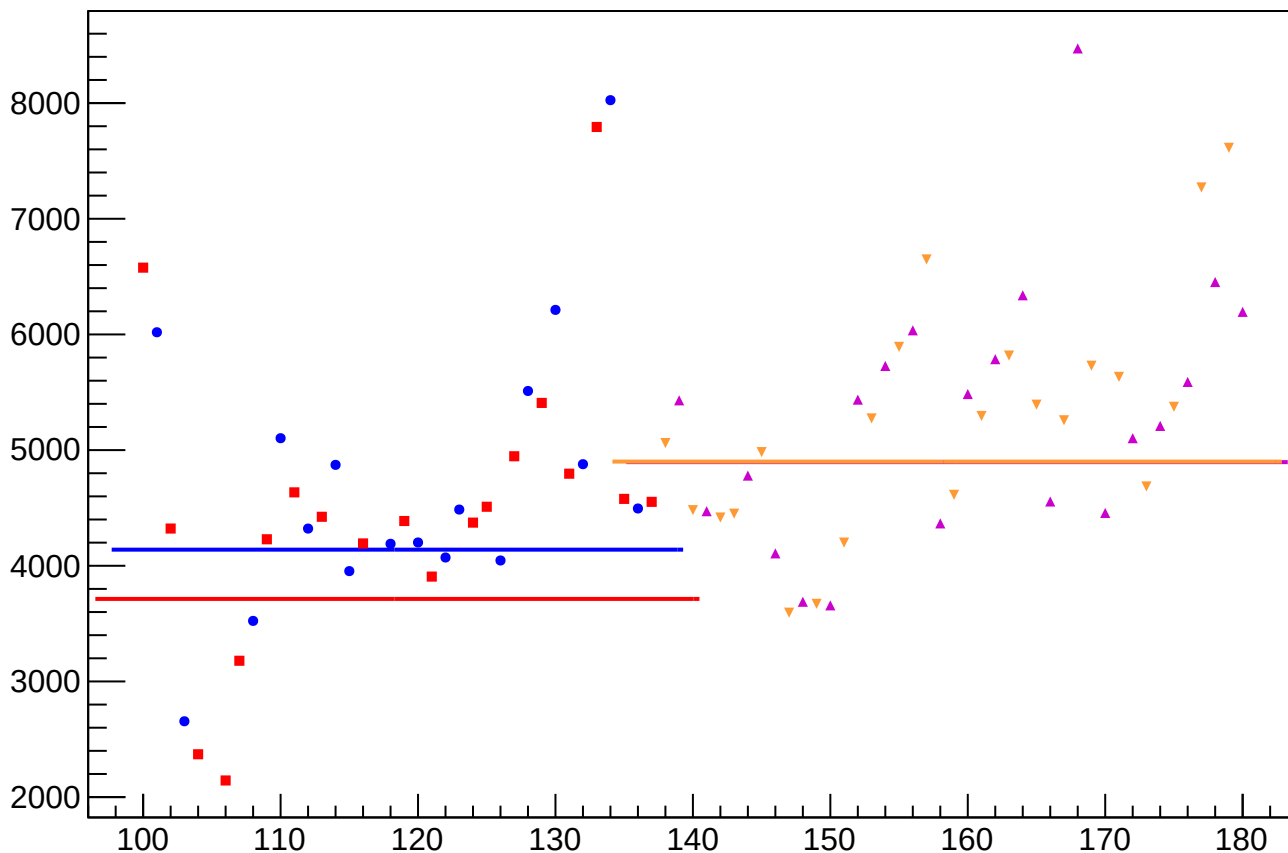
Left In: -345.187 $\pm$ 1234.570 χ^2 /NDF: 14.3/20

+ sign -502.865 $\pm$ 988.634 χ^2 /NDF: 42.7/38

All: -7.849 $\pm$ 684.007 χ^2 /NDF: 77.0/78

- sign 446.688 $\pm$ 947.350 χ^2 /NDF: 33.9/39

asym_atr_avg_correction_rms vs Slug



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4900.664+/-0.870 χ^2/NDF : 1132274.2/21

Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

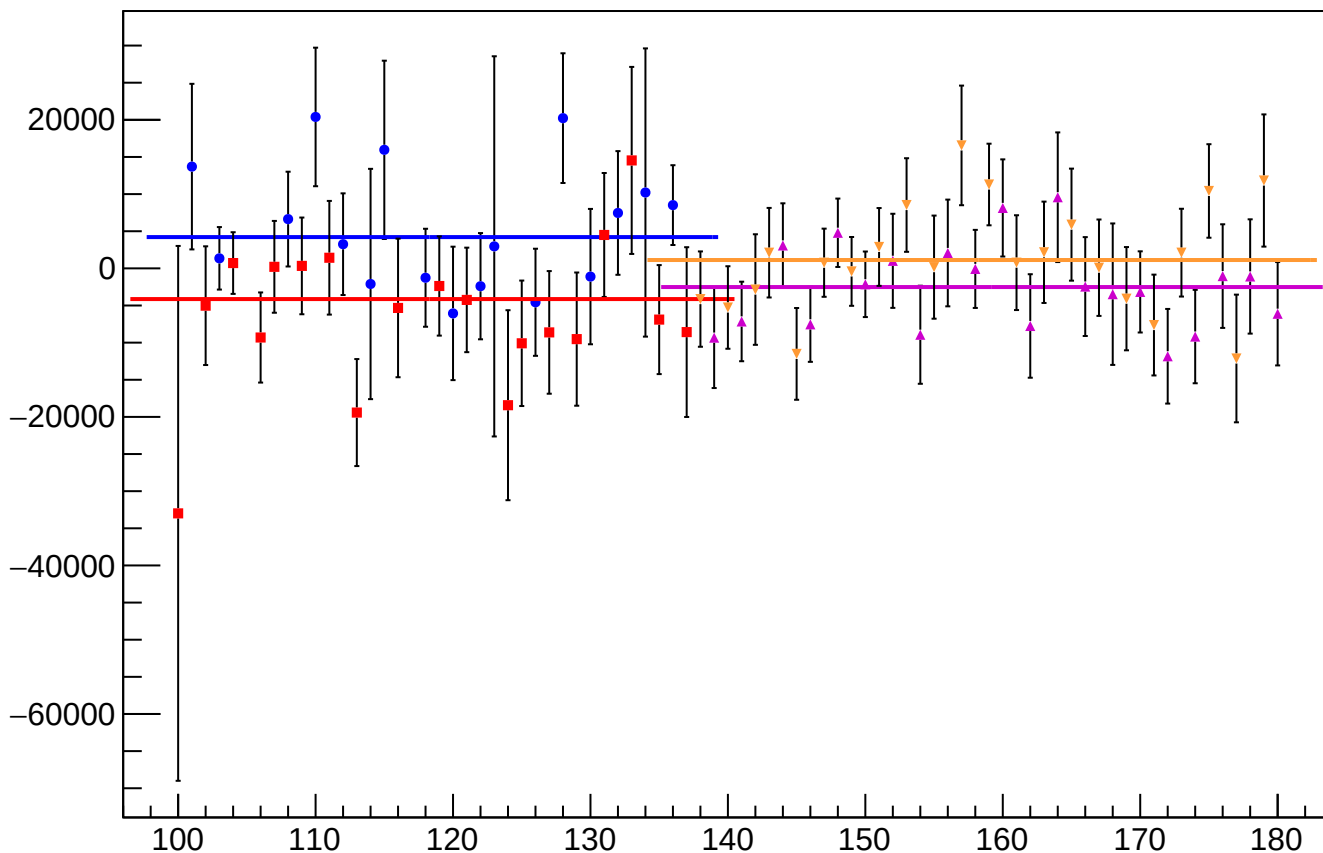
Left In: 4896.026+/-0.873 χ^2/NDF : 1220570.2/20

+ sign 4630.996+/-0.699 χ^2/NDF : 2217095.4/38

All: 4515.692+/-0.484 χ^2/NDF : 5520115.8/78

- sign 4409.817+/-0.670 χ^2/NDF : 3250835.0/39

asym_atr_avg_mean vs Slug



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

Left Out: 1123.991+/-1332.501 χ^2/NDF : 23.9/21

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

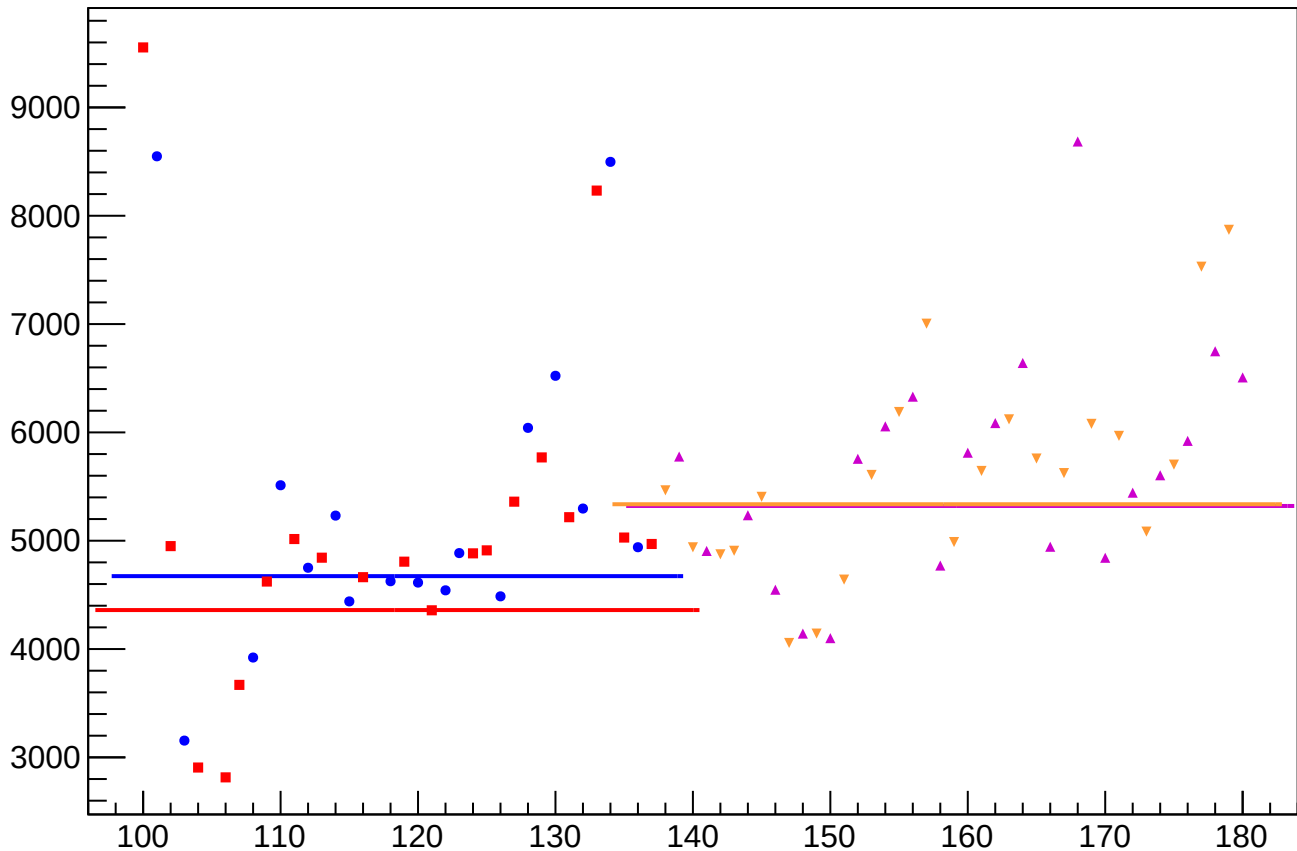
Left In: -2515.468+/-1335.188 χ^2/NDF : 16.9/20

+ sign 2162.898+/-1085.436 χ^2/NDF : 40.2/38

All: -552.140+/-756.872 χ^2/NDF : 84.6/78

- sign -3121.577+/-1055.931 χ^2/NDF : 32.2/39

asym_atr_avg_rms vs Slug



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

Left Out: 5336.793 ± 0.942 χ^2/NDF : 864541.2/21

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

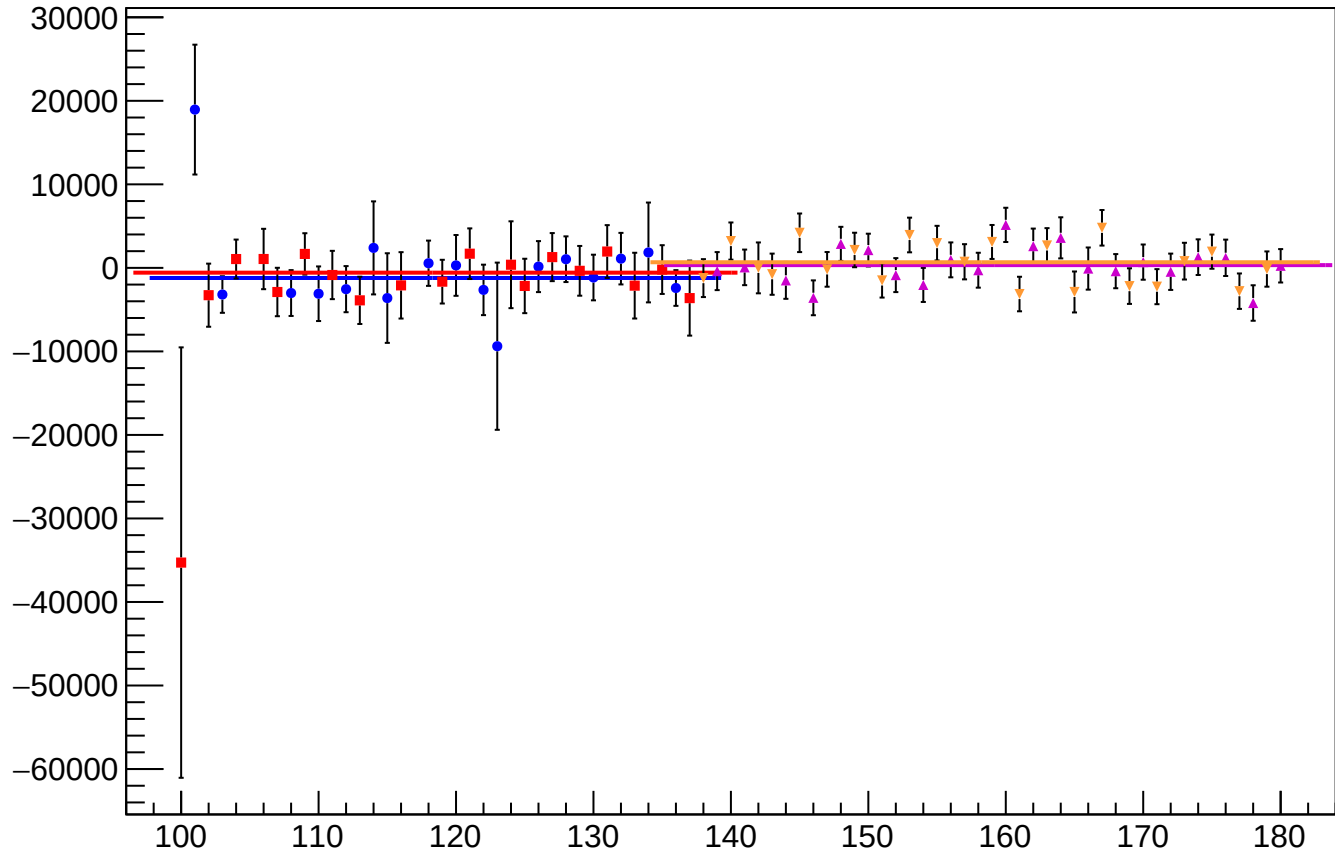
Left In: 5320.801 ± 0.944 χ^2/NDF : 947036.0/20

+ sign 5113.475 ± 0.768 χ^2/NDF : 1808825.5/38

All: 5033.555 ± 0.535 χ^2/NDF : 3999973.7/78

- sign 4958.250 ± 0.745 χ^2/NDF : 2170089.2/39

reg_asym_atr_dd_mean vs Slug



Right In: -1211.176 $\pm$ 765.294 χ^2 /NDF: 12.7/16

Left Out: 673.773 $\pm$ 461.941 χ^2 /NDF: 28.8/21

Right Out: -573.457 $\pm$ 730.668 χ^2 /NDF: 8.7/18

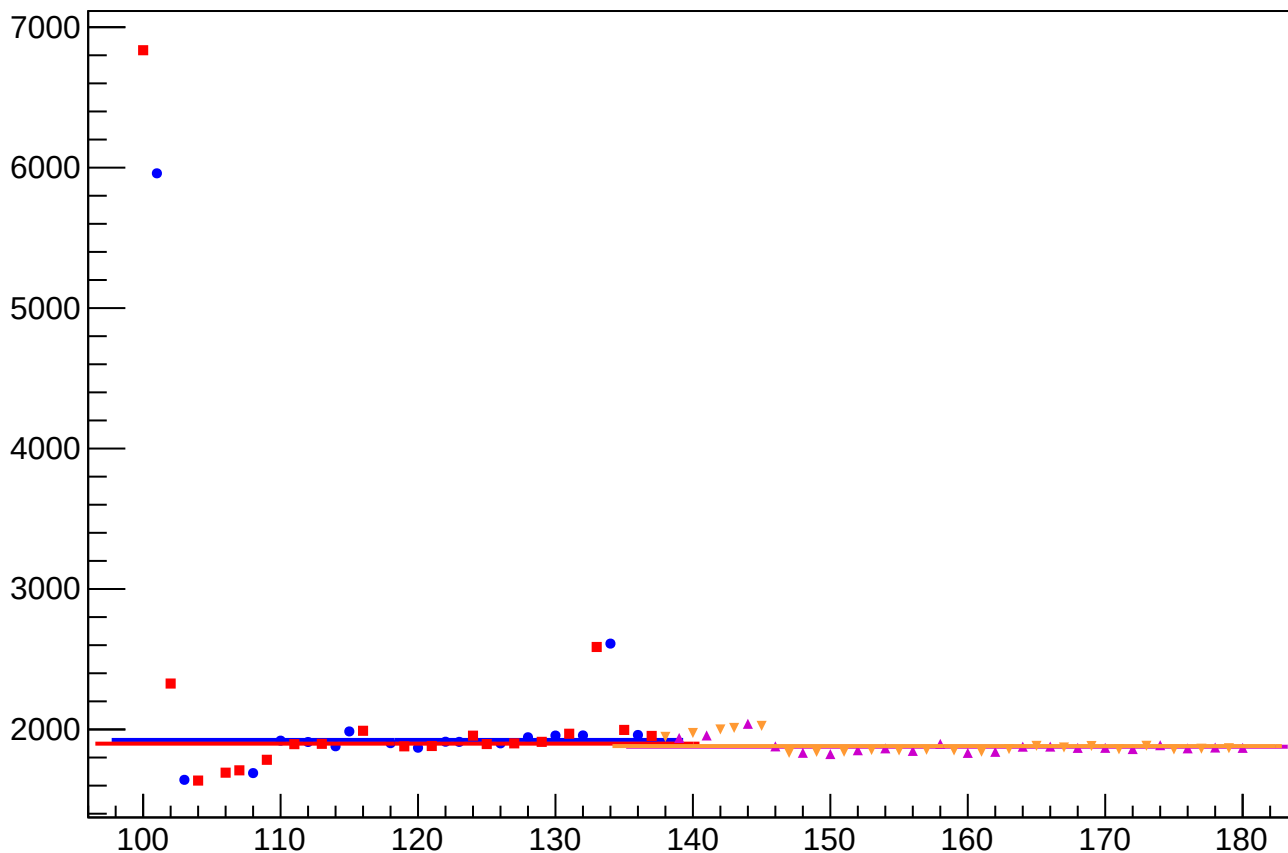
Left In: 328.512 $\pm$ 463.567 χ^2 /NDF: 22.3/20

+ sign 170.399 $\pm$ 395.480 χ^2 /NDF: 45.9/38

All: 119.506 $\pm$ 278.205 χ^2 /NDF: 78.0/78

- sign 69.650 $\pm$ 391.434 χ^2 /NDF: 32.1/39

reg_asym_atr_dd_rms vs Slug



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1881.553+/-0.327 χ^2/NDF : 27563.0/21

Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

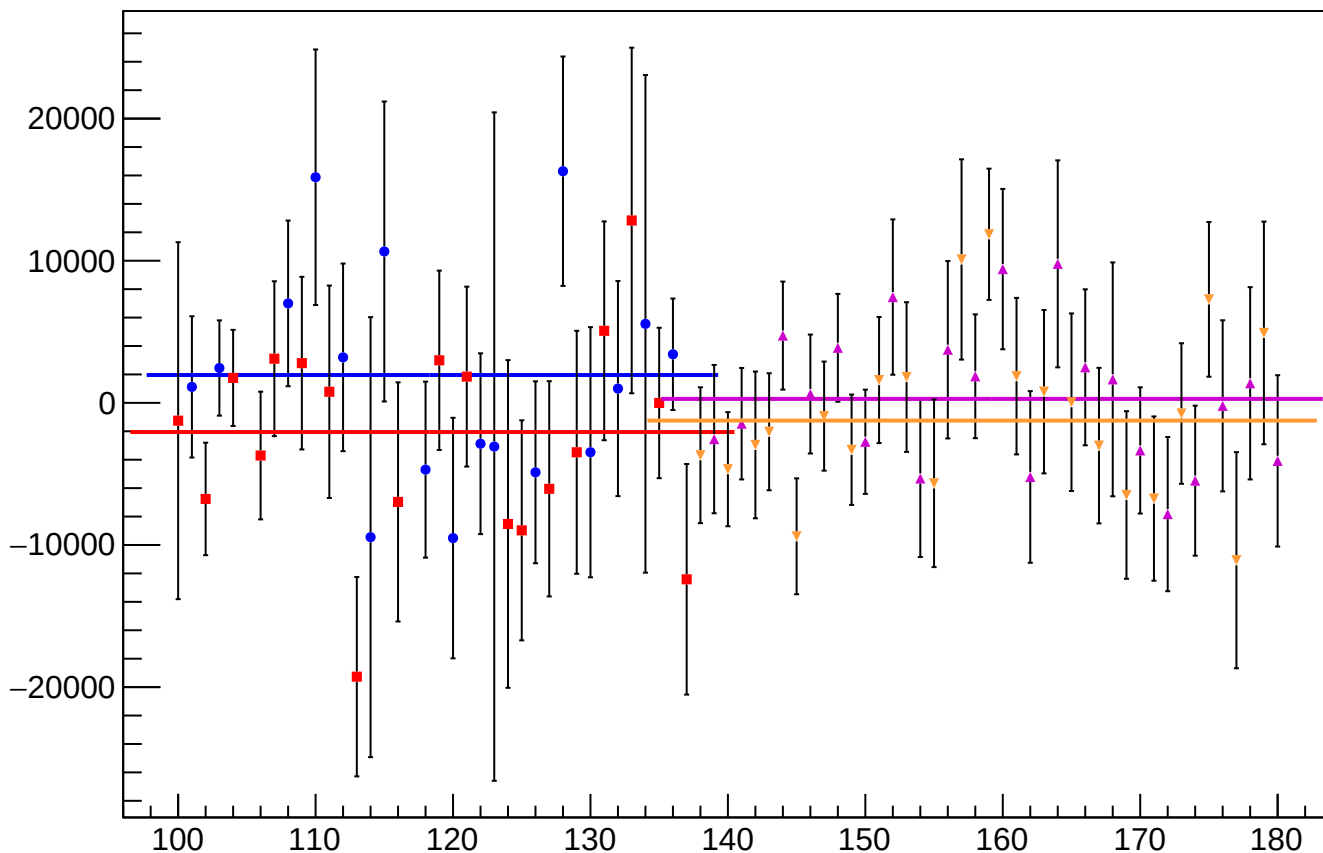
Left In: 1877.057+/-0.328 χ^2/NDF : 20382.6/20

+ sign 1893.241+/-0.280 χ^2/NDF : 648221.2/38

All: 1888.233+/-0.197 χ^2/NDF : 881386.5/78

- sign 1883.333+/-0.277 χ^2/NDF : 232530.8/39

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060 $\pm$ 1556.840 χ^2 /NDF: 12.9/16

Left Out: -1246.054 $\pm$ 1072.917 χ^2 /NDF: 24.4/21

Right Out: -2052.842 $\pm$ 1413.641 χ^2 /NDF: 17.4/18

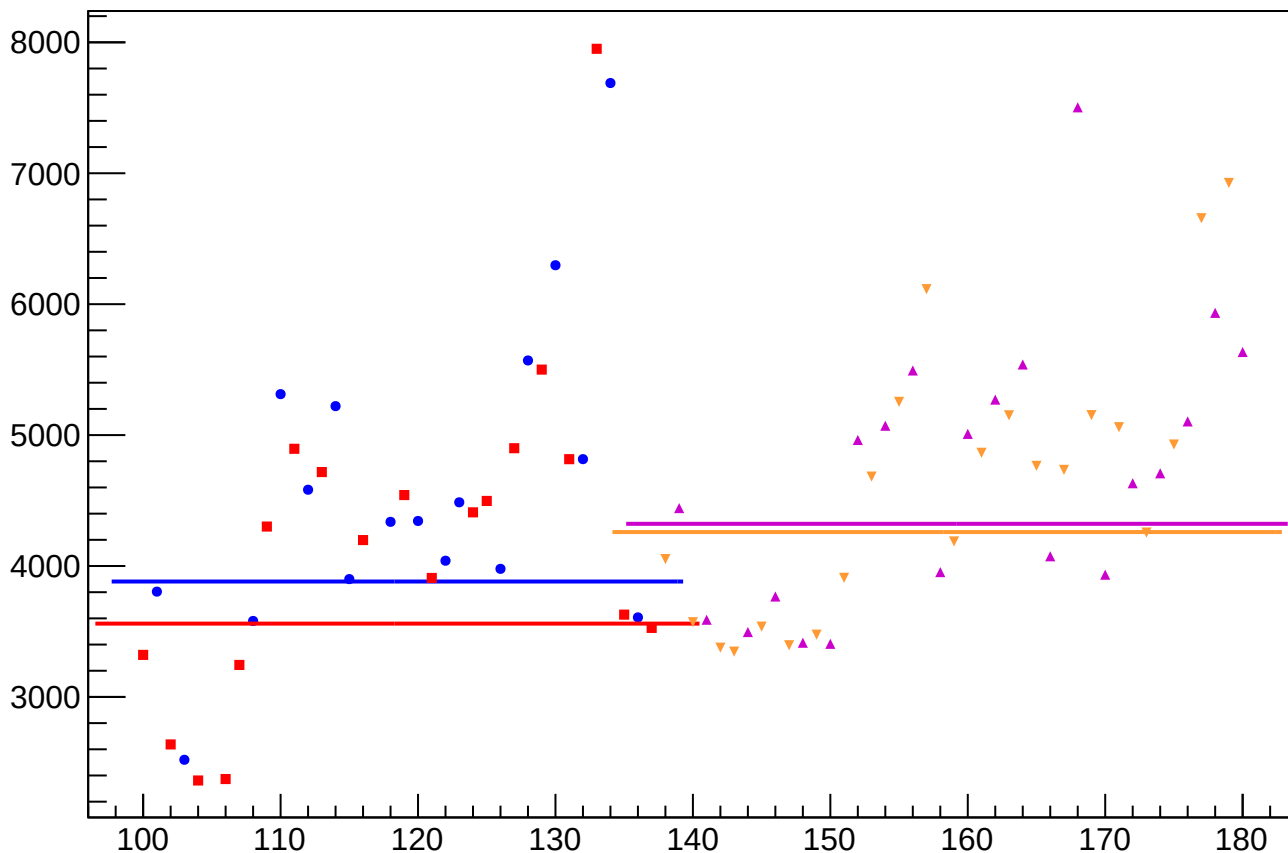
Left In: 278.838 $\pm$ 1091.161 χ^2 /NDF: 16.6/20

+ sign -213.978 $\pm$ 883.442 χ^2 /NDF: 40.2/38

All: -407.093 $\pm$ 617.616 χ^2 /NDF: 76.1/78

- sign -591.705 $\pm$ 863.773 χ^2 /NDF: 35.8/39

asym_atr_dd_correction_rms vs Slug



Right In: 3881.577 ± 1.101 χ^2/NDF : 817466.6/16

Left Out: 4259.423 ± 0.759 χ^2/NDF : 1332266.9/21

Right Out: 3560.054 ± 1.000 χ^2/NDF : 1241523.0/18

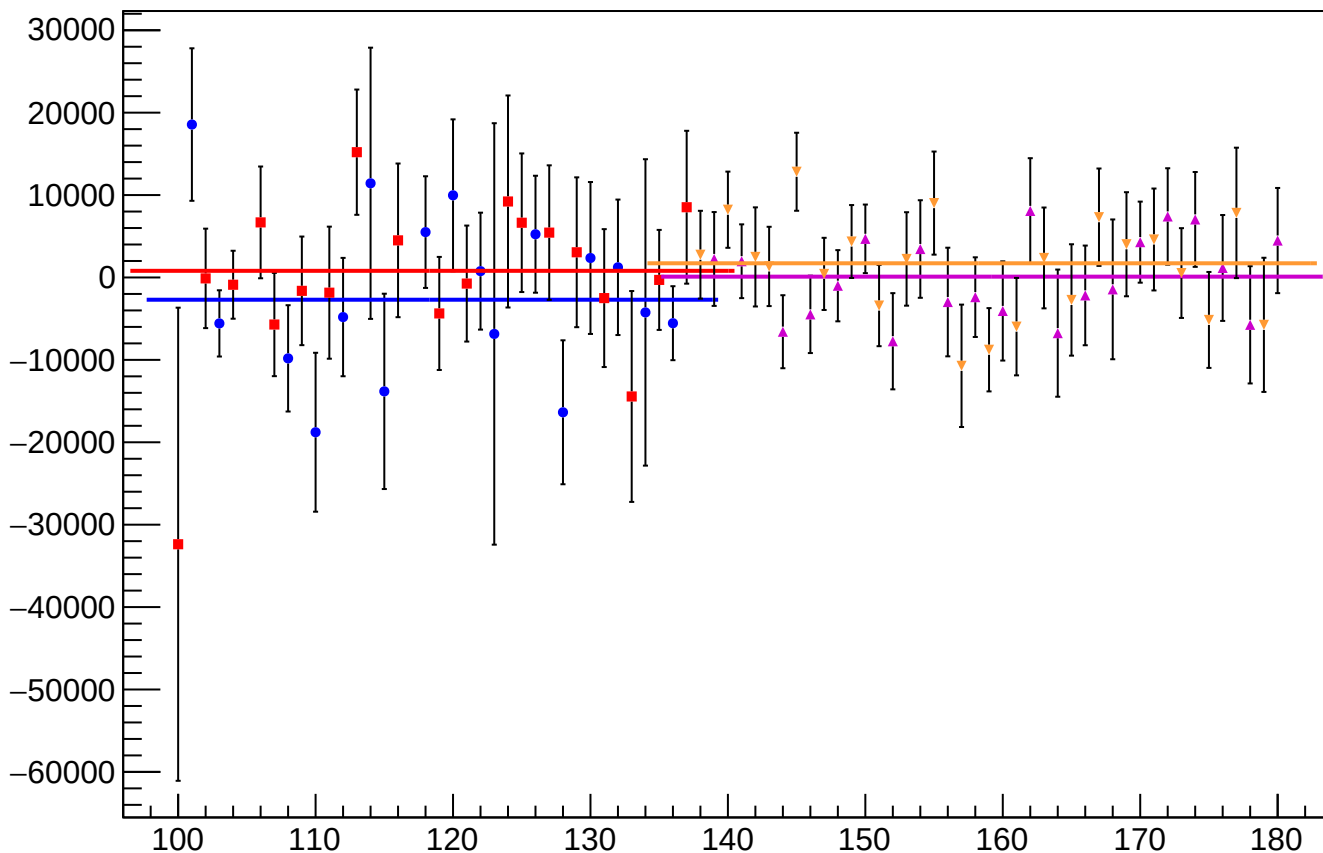
Left In: 4322.315 ± 0.772 χ^2/NDF : 1301957.1/20

+ sign 4137.753 ± 0.625 χ^2/NDF : 2229605.2/38

All: 4086.611 ± 0.437 χ^2/NDF : 5150597.7/78

- sign 4037.722 ± 0.611 χ^2/NDF : 2907883.0/39

asym_atr_dd_mean vs Slug



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

Left Out: 1721.492 ± 1189.227 χ^2/NDF : 23.8/21

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

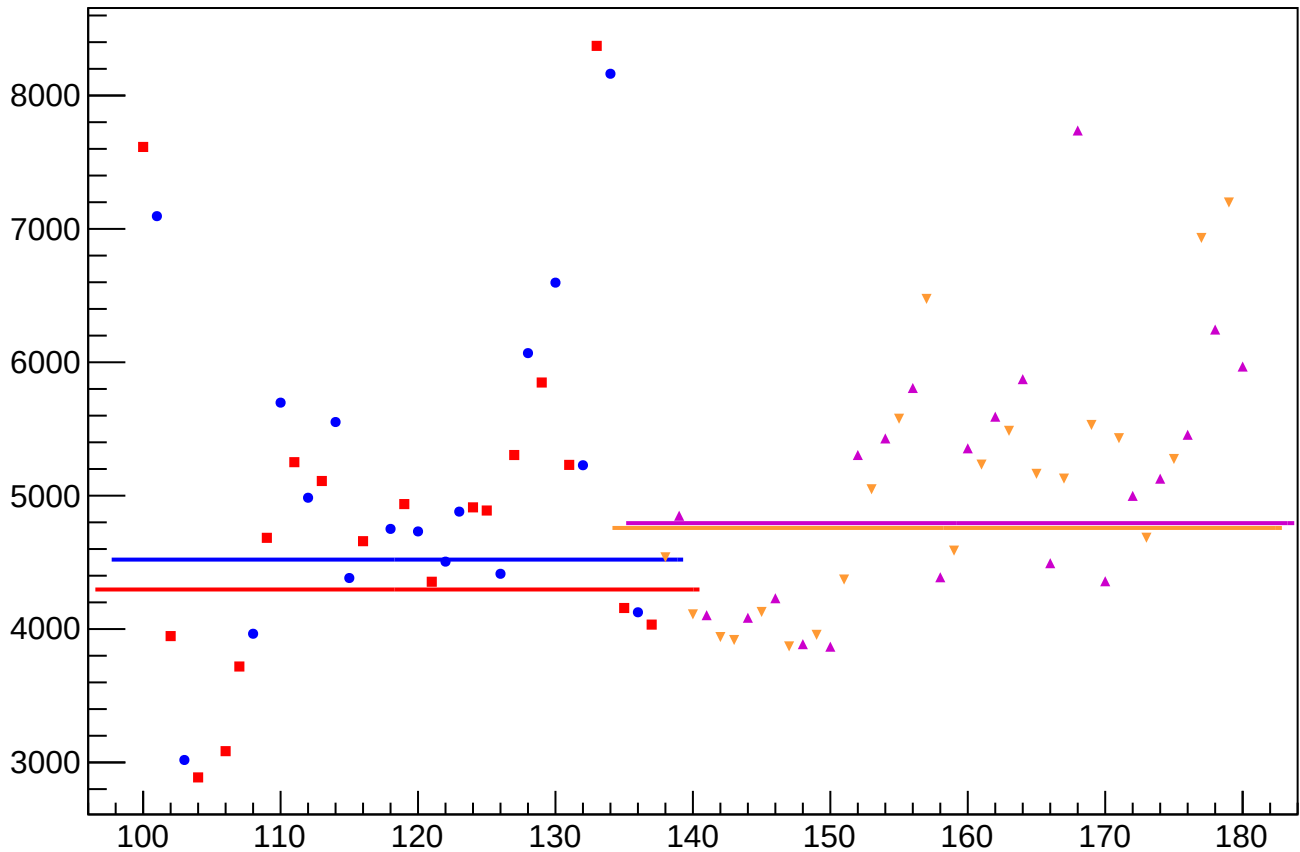
Left In: 99.129 ± 1202.706 χ^2/NDF : 15.3/20

+ sign 387.118 ± 993.738 χ^2/NDF : 47.7/38

All: 361.553 ± 697.759 χ^2/NDF : 74.8/78

- sign 336.691 ± 979.966 χ^2/NDF : 27.0/39

asym_atr_dd_rms vs Slug



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

Left Out: 4757.979+/-0.841 χ^2 /NDF:941556.2/21

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

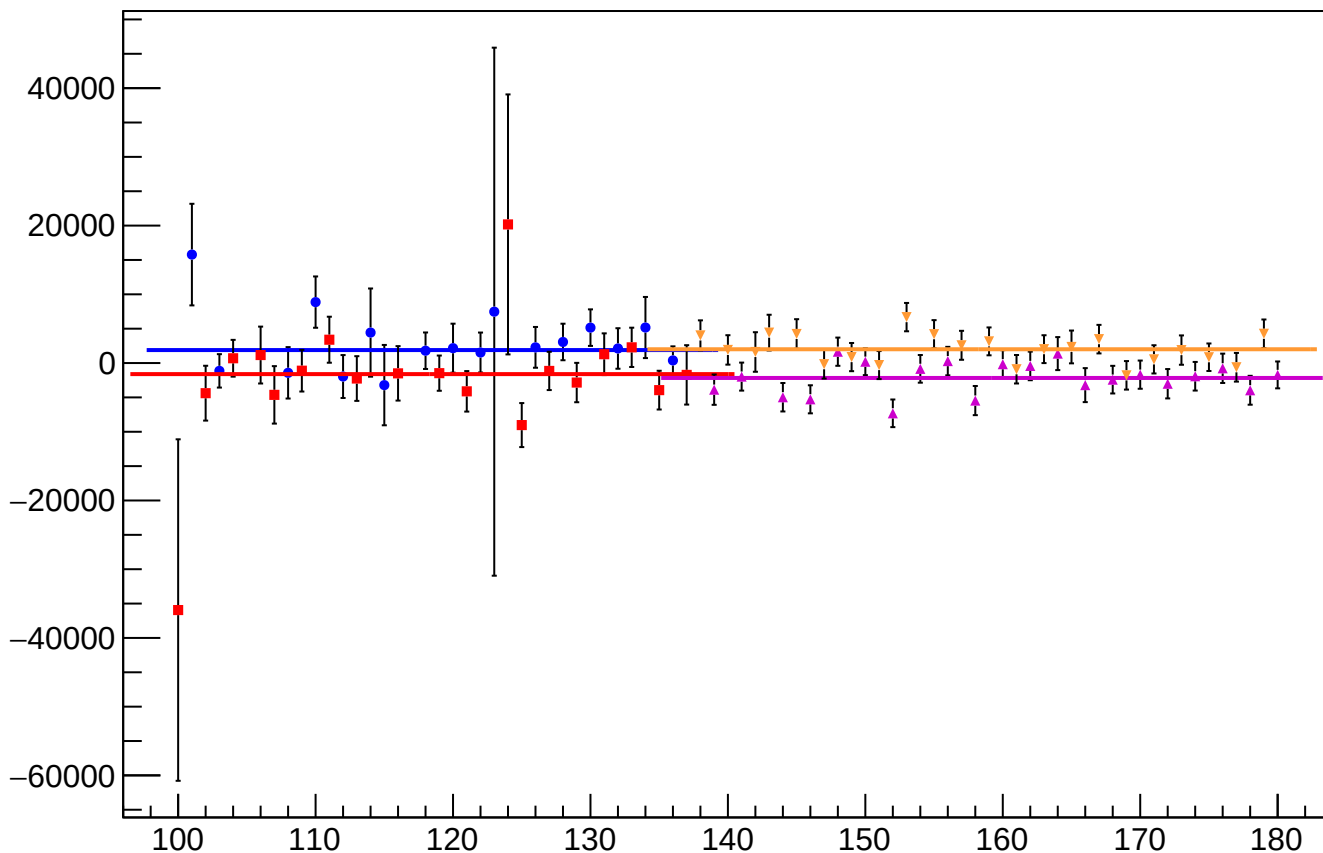
Left In: 4794.069+/-0.850 χ^2 /NDF:945081.2/20

+ sign 4686.377+/-0.703 χ^2 /NDF: 1736471.5/38

All: 4655.512+/-0.493 χ^2 /NDF: 3573024.9/78

- sign 4625.608+/-0.692 χ^2 /NDF: 1832754.6/39

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 2005.922 $\pm$ 454.332 χ^2 /NDF: 21.6/21

Right Out: -1610.310 $\pm$ 765.843 χ^2 /NDF: 17.5/18

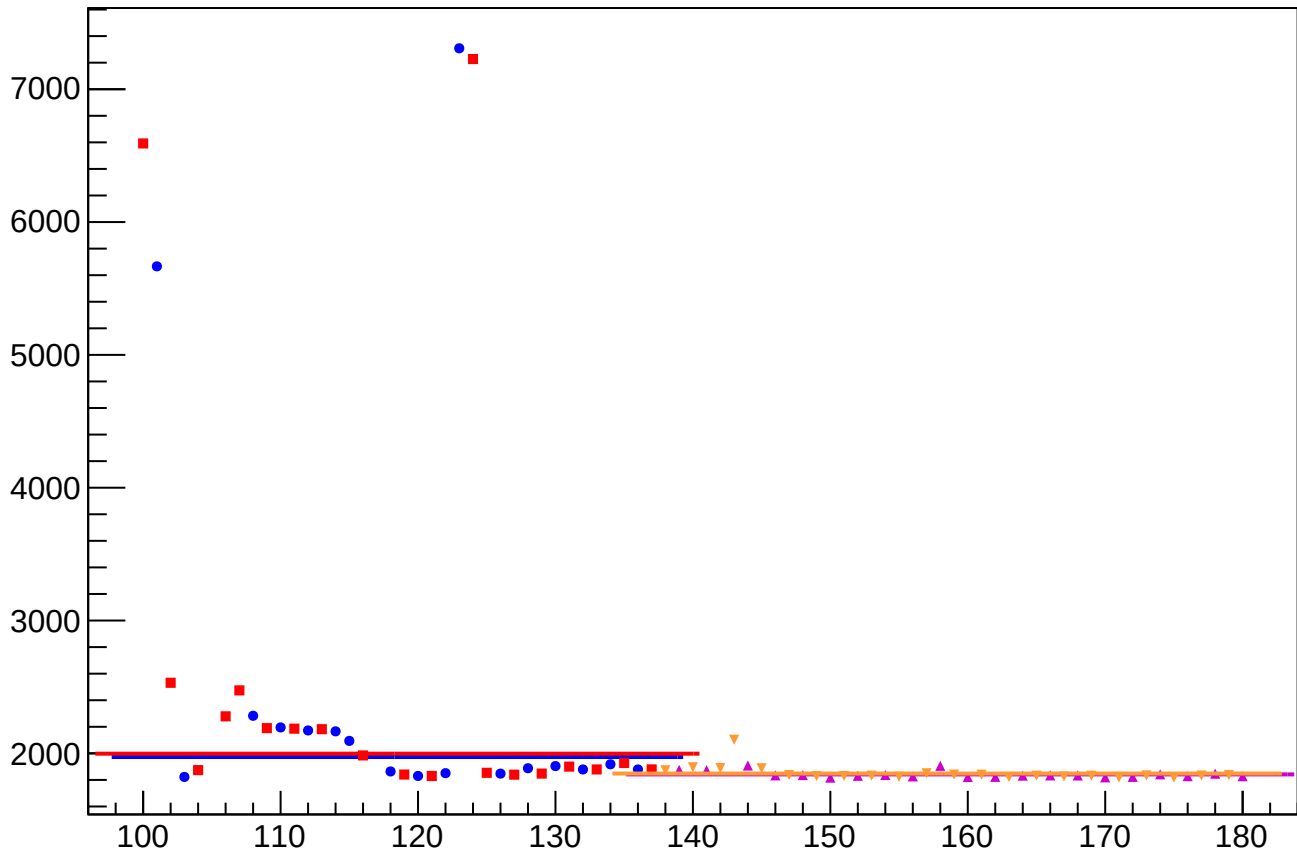
Left In: -2170.888 $\pm$ 455.607 χ^2 /NDF: 26.0/20

+ sign 1976.245 $\pm$ 393.074 χ^2 /NDF: 36.3/38

All: -31.792 $\pm$ 277.407 χ^2 /NDF: 132.1/78

- sign -2024.352 $\pm$ 391.556 χ^2 /NDF: 43.8/39

reg_asym_at1_avg_rms vs Slug



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1848.040+/-0.321 χ^2/NDF : 24309.0/21

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

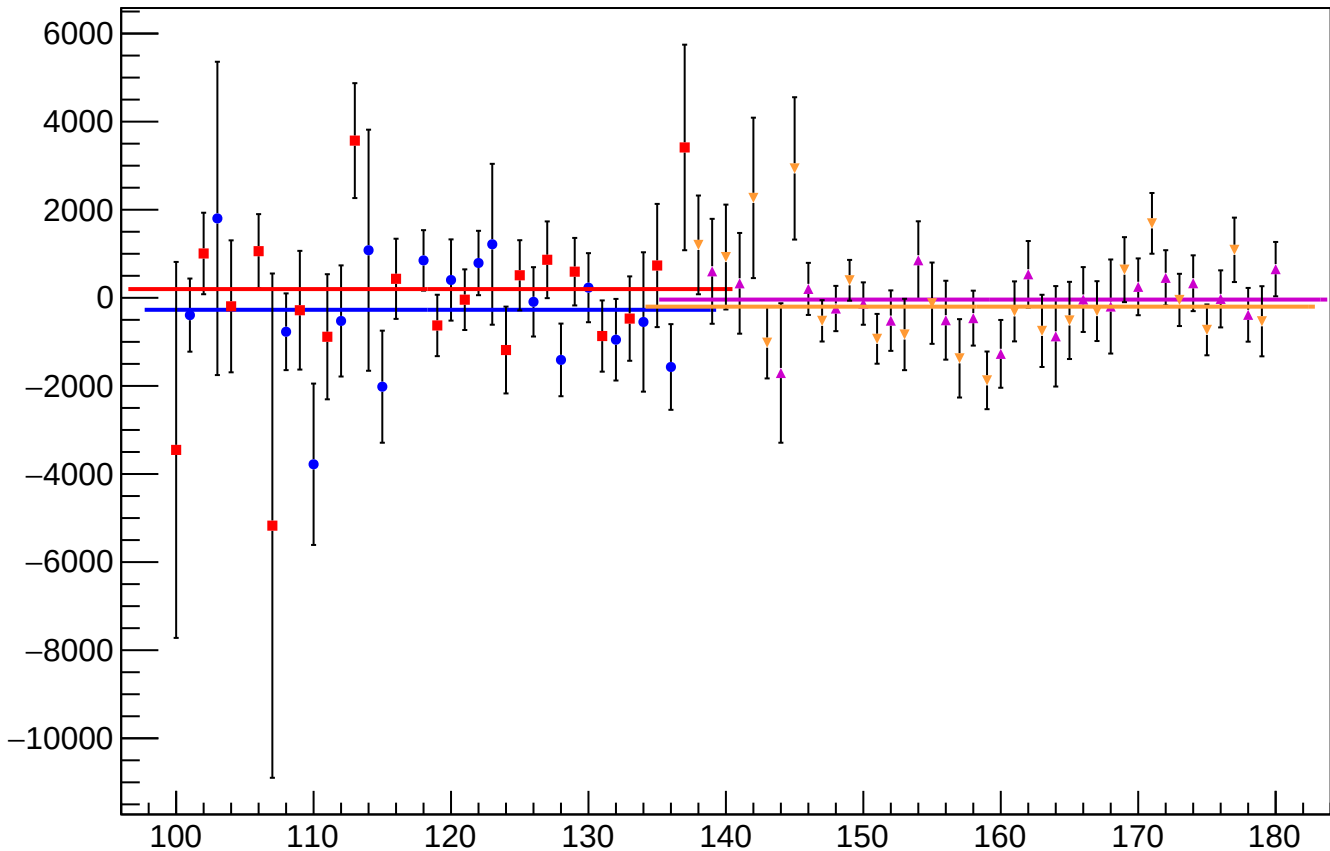
Left In: 1841.545+/-0.322 χ^2/NDF : 6395.7/20

+ sign 1879.336+/-0.278 χ^2/NDF : 662913.0/38

All: 1880.849+/-0.196 χ^2/NDF : 1086313.3/78

- sign 1882.351+/-0.277 χ^2/NDF : 423341.2/39

asym_at1_avg_correction_mean vs Slug



Right In: -271.773+/-240.214 χ^2/NDF : 17.2/16

Left Out: -200.543+/-153.064 χ^2/NDF : 35.4/21

Right Out: 198.424+/-229.035 χ^2/NDF : 19.7/18

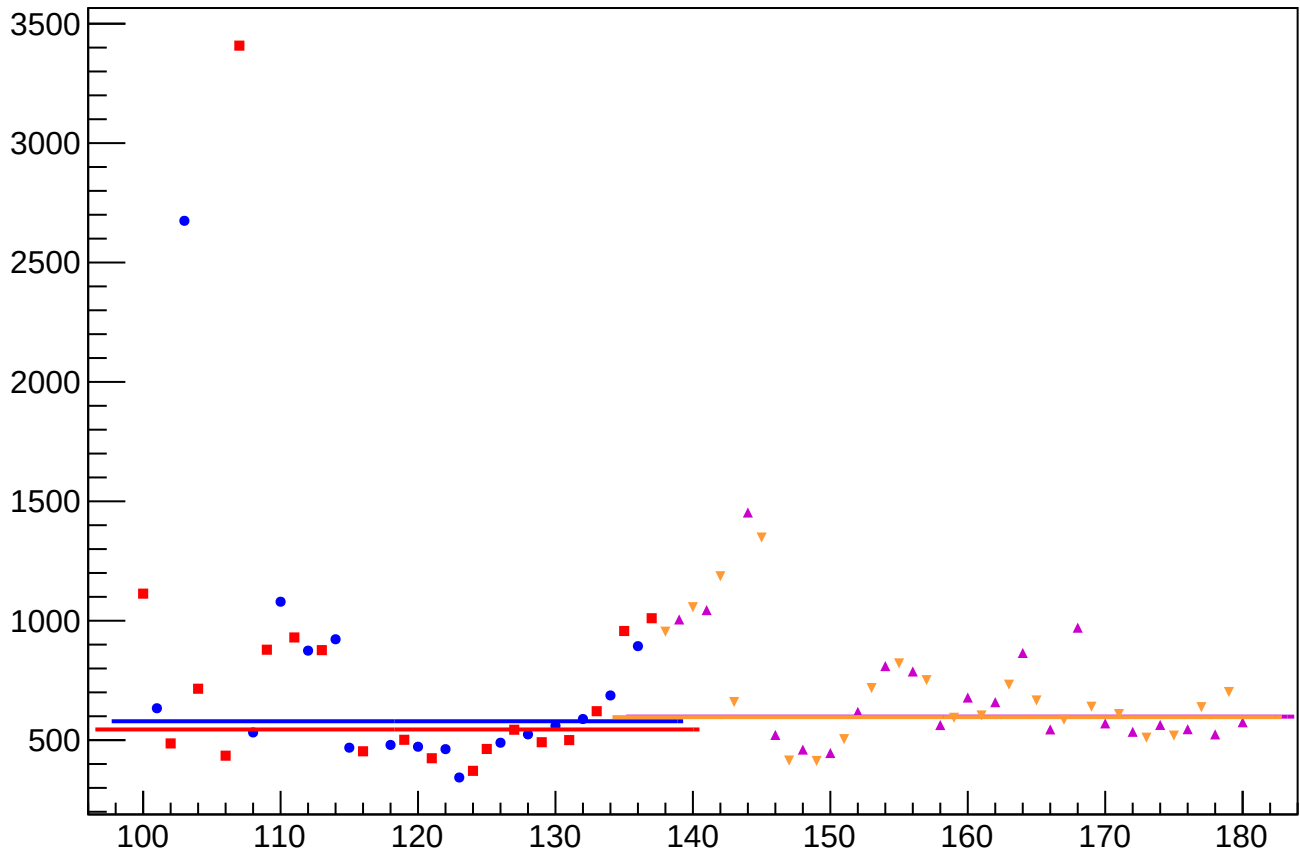
Left In: -39.672+/-154.097 χ^2/NDF : 10.5/20

+ sign -221.112+/-129.085 χ^2/NDF : 52.7/38

All: -92.069+/-90.838 χ^2/NDF : 85.7/78

- sign 34.522+/-127.853 χ^2/NDF : 31.0/39

asym_at1_avg_correction_rms vs Slug



Right In: 579.010 $\pm$ 0.170 χ^2 /NDF: 1422148.6/16

Left Out: 596.276 $\pm$ 0.108 χ^2 /NDF:2245582.1/21

Right Out: 544.674 $\pm$ 0.162 χ^2 /NDF: 1457799.9/18

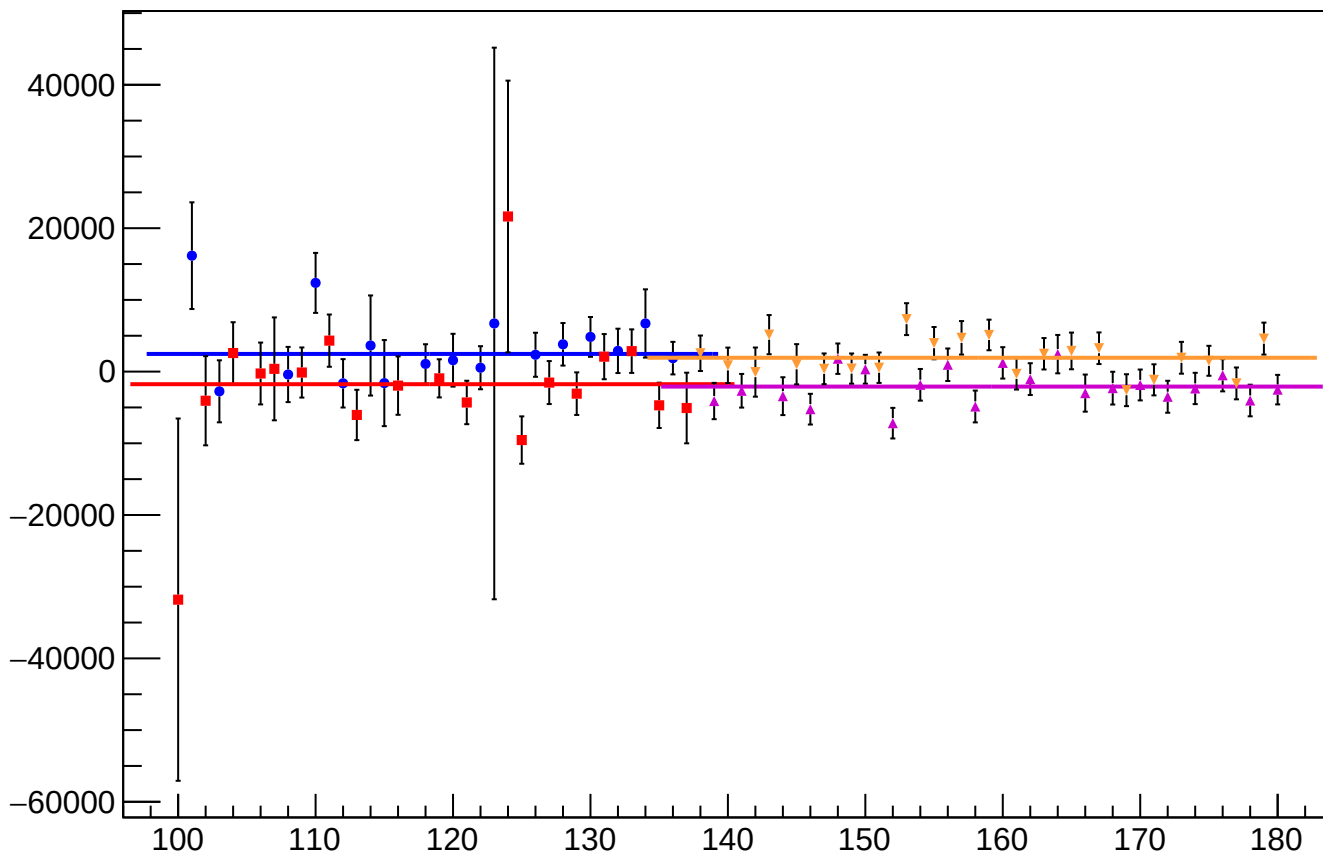
Left In: 598.412 $\pm$ 0.109 χ^2 /NDF:2184334.6/20

+ sign 591.290 $\pm$ 0.091 χ^2 /NDF: 3675079.1/38

All: 586.432 $\pm$ 0.064 χ^2 /NDF: 7398616.5/78

- sign 581.666 $\pm$ 0.090 χ^2 /NDF: 3717925.9/39

asym_at1_avg_mean vs Slug



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 1929.027 $\pm$ 489.927 χ^2 /NDF:25.7/21

Right Out: -1756.788 $\pm$ 853.292 χ^2 /NDF: 20.5/18

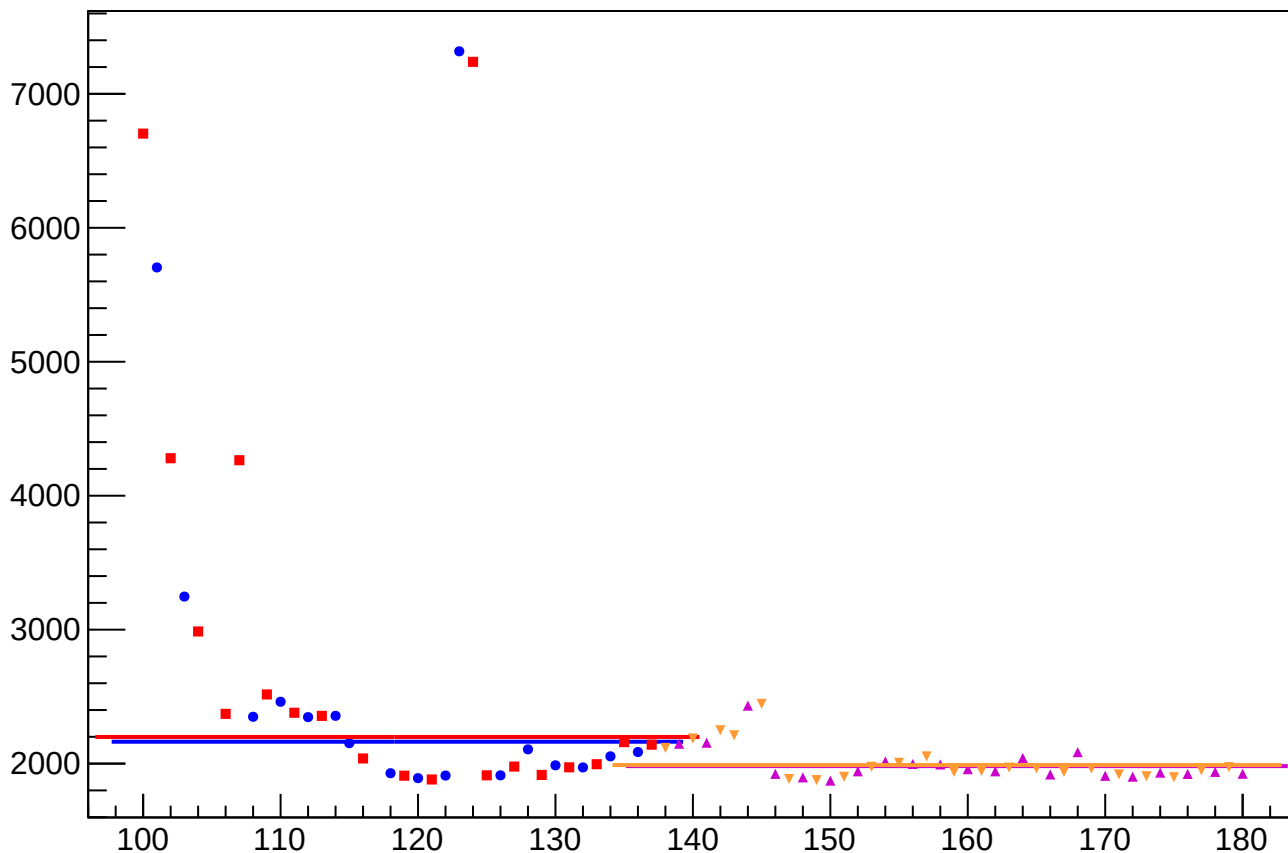
Left In: -2091.061 $\pm$ 490.952 χ^2 /NDF:24.3/20

+ sign 2059.392 $\pm$ 426.082 χ^2 /NDF: 41.5/38

All: 23.160 $\pm$ 301.095 χ^2 /NDF: 132.0/78

- sign -2007.924 $\pm$ 425.543 χ^2 /NDF: 44.9/39

asym_at1_avg_rms vs Slug



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 1989.261+/-0.346 χ^2/NDF :124753.9/21

Right Out: 2199.003+/-0.603 χ^2/NDF : 803297.2/18

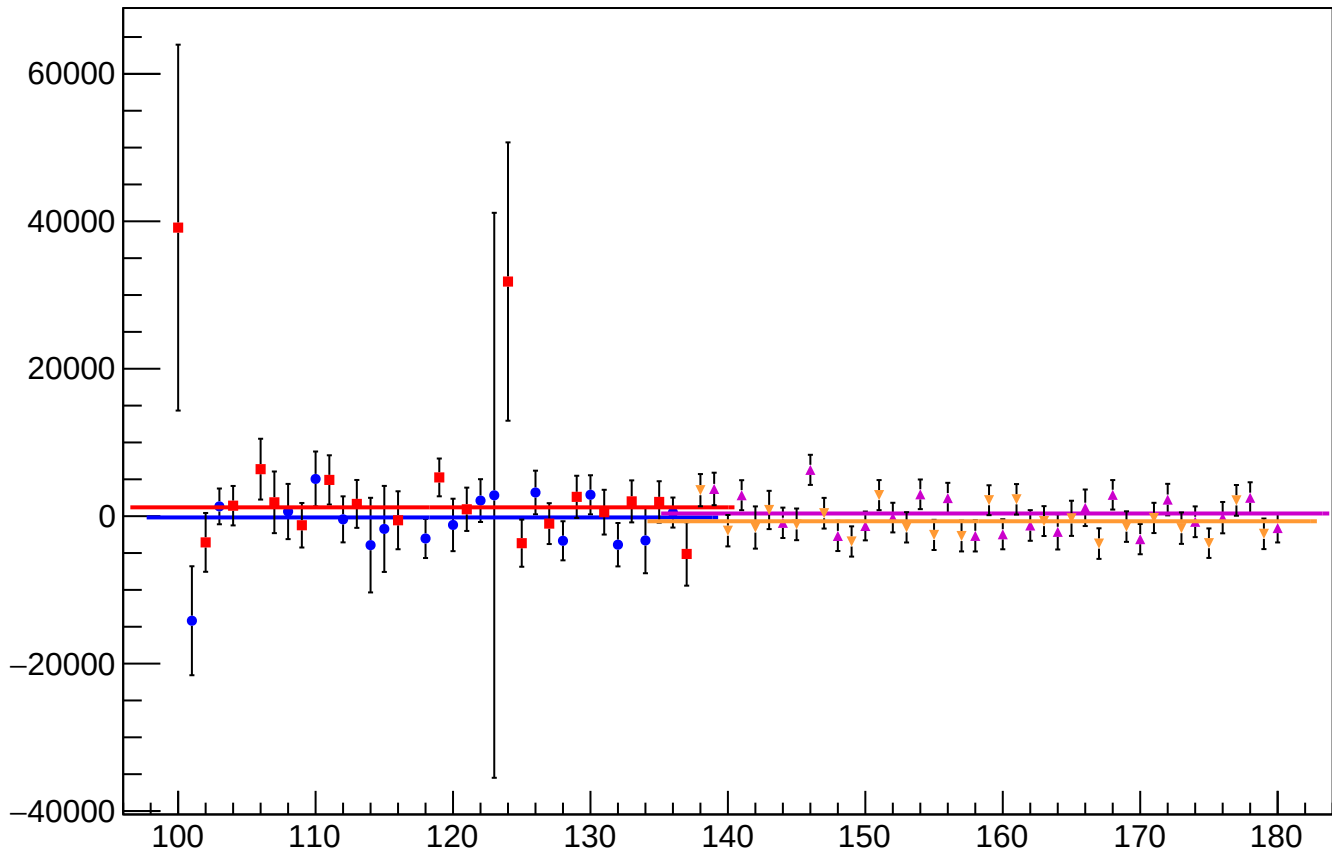
Left In: 1981.372+/-0.347 χ^2/NDF :106544.1/20

+ sign 2031.666+/-0.301 χ^2/NDF : 895833.6/38

All: 2033.585+/-0.213 χ^2/NDF : 1903499.0/78

- sign 2035.499+/-0.301 χ^2/NDF : 1007584.5/39

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 χ^2/NDF : 14.5/16

Left Out: -689.663 ± 453.591 χ^2/NDF : 22.8/21

Right Out: 1197.543 ± 764.254 χ^2/NDF : 18.2/18

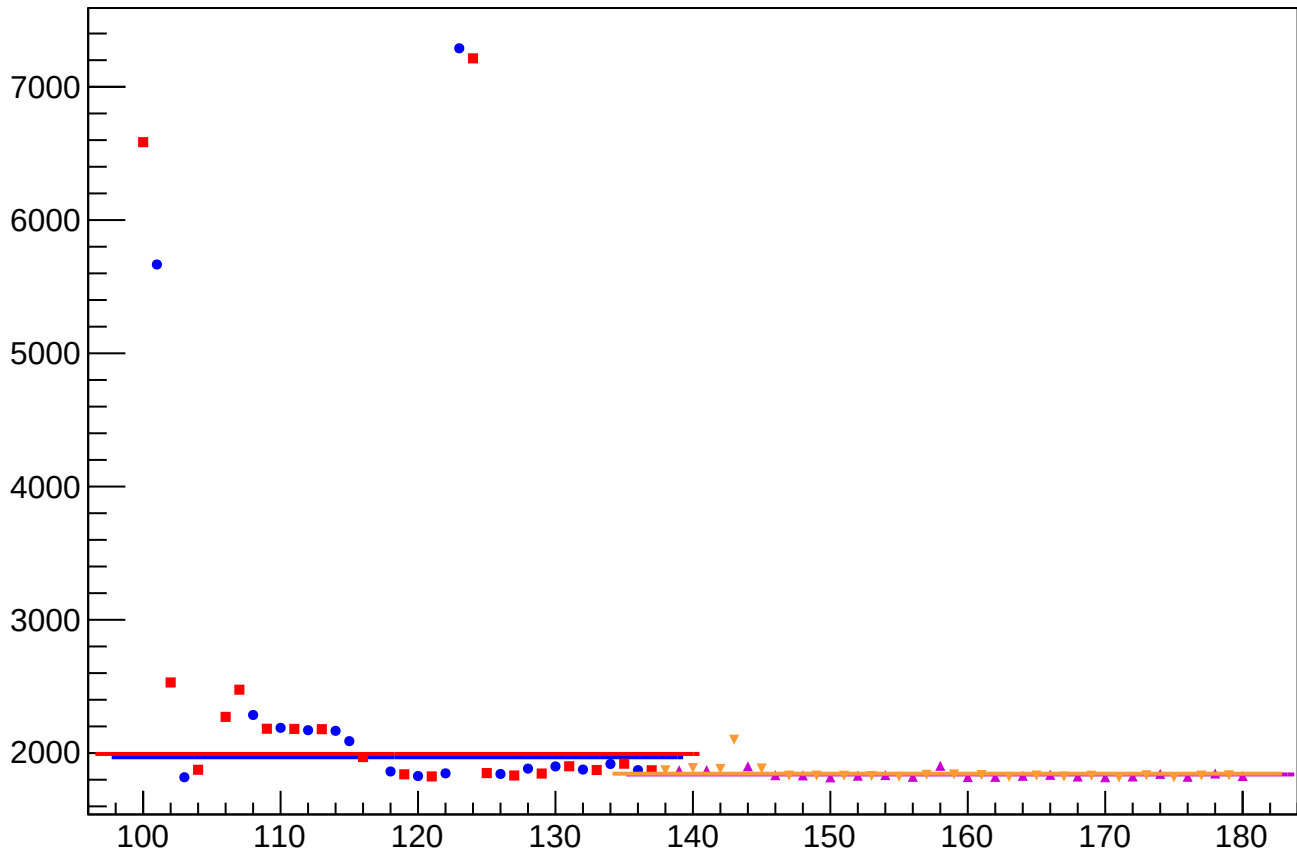
Left In: 363.991 ± 455.091 χ^2/NDF : 31.7/20

+ sign -559.024 ± 392.412 χ^2/NDF : 37.7/38

All: 13.615 ± 276.983 χ^2/NDF : 92.7/78

- sign 582.188 ± 391.017 χ^2/NDF : 50.7/39

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1845.062 $\pm$ 0.321 χ^2 /NDF: 23766.7/21

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

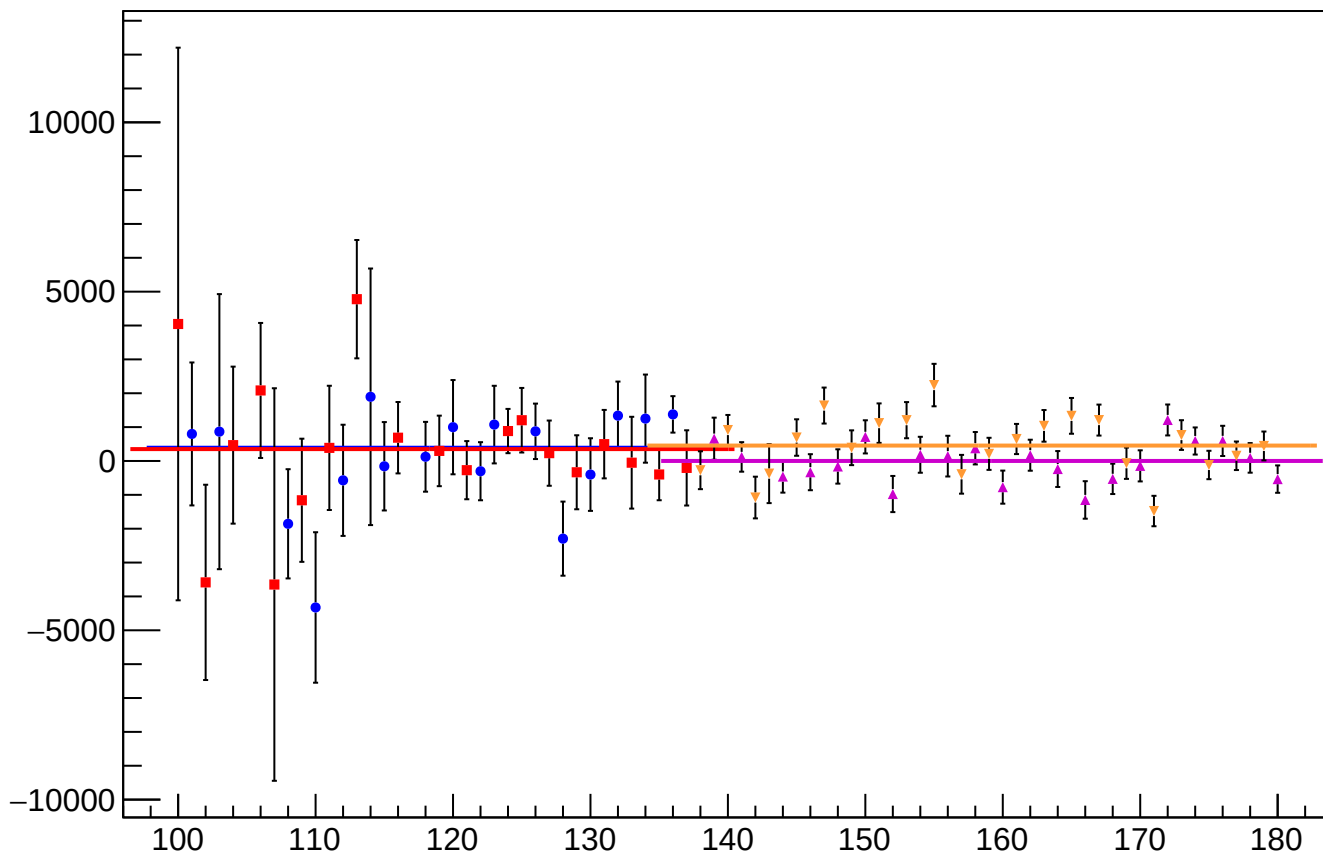
Left In: 1839.468 $\pm$ 0.322 χ^2 /NDF: 6045.4/20

+ sign 1876.148 $\pm$ 0.277 χ^2 /NDF: 664079.3/38

All: 1877.964 $\pm$ 0.196 χ^2 /NDF: 1086296.9/78

- sign 1879.768 $\pm$ 0.276 χ^2 /NDF: 422132.2/39

asym_at1_dd_correction_mean vs Slug



Right In: 390.923 $\pm$ 270.128 χ^2 /NDF: 20.0/16

Left Out: 455.120 $\pm$ 105.938 χ^2 /NDF:58.7/21

Right Out: 350.642 $\pm$ 266.097 χ^2 /NDF: 14.2/18

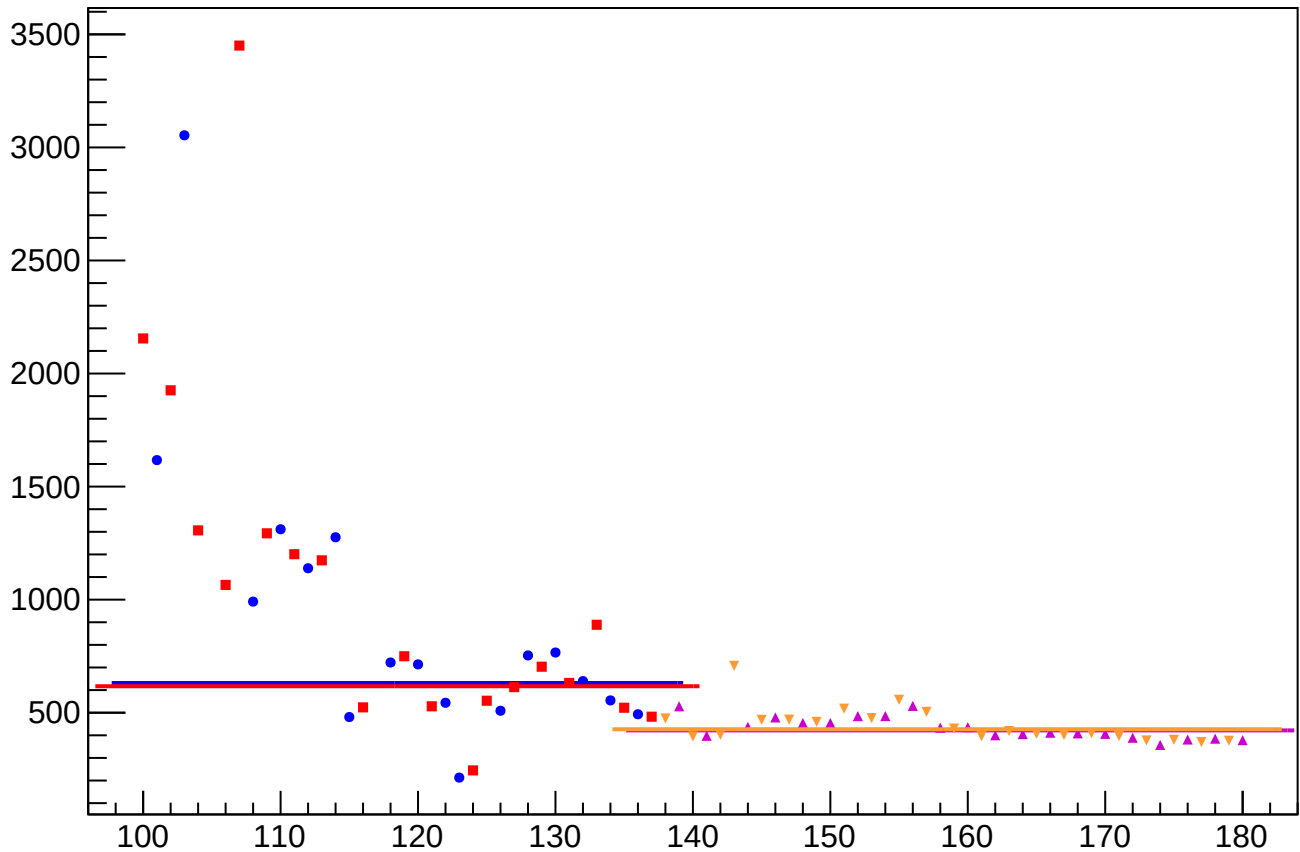
Left In: 0.700 $\pm$ 104.839 χ^2 /NDF:30.3/20

+ sign 446.563 $\pm$ 98.625 χ^2 /NDF: 78.8/38

All: 244.940 $\pm$ 69.352 χ^2 /NDF: 133.1/78

- sign 47.721 $\pm$ 97.541 χ^2 /NDF: 46.0/39

asym_at1_dd_correction_rms vs Slug



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 426.805 $\pm$ 0.075 χ^2 /NDF: 603088.8/21

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

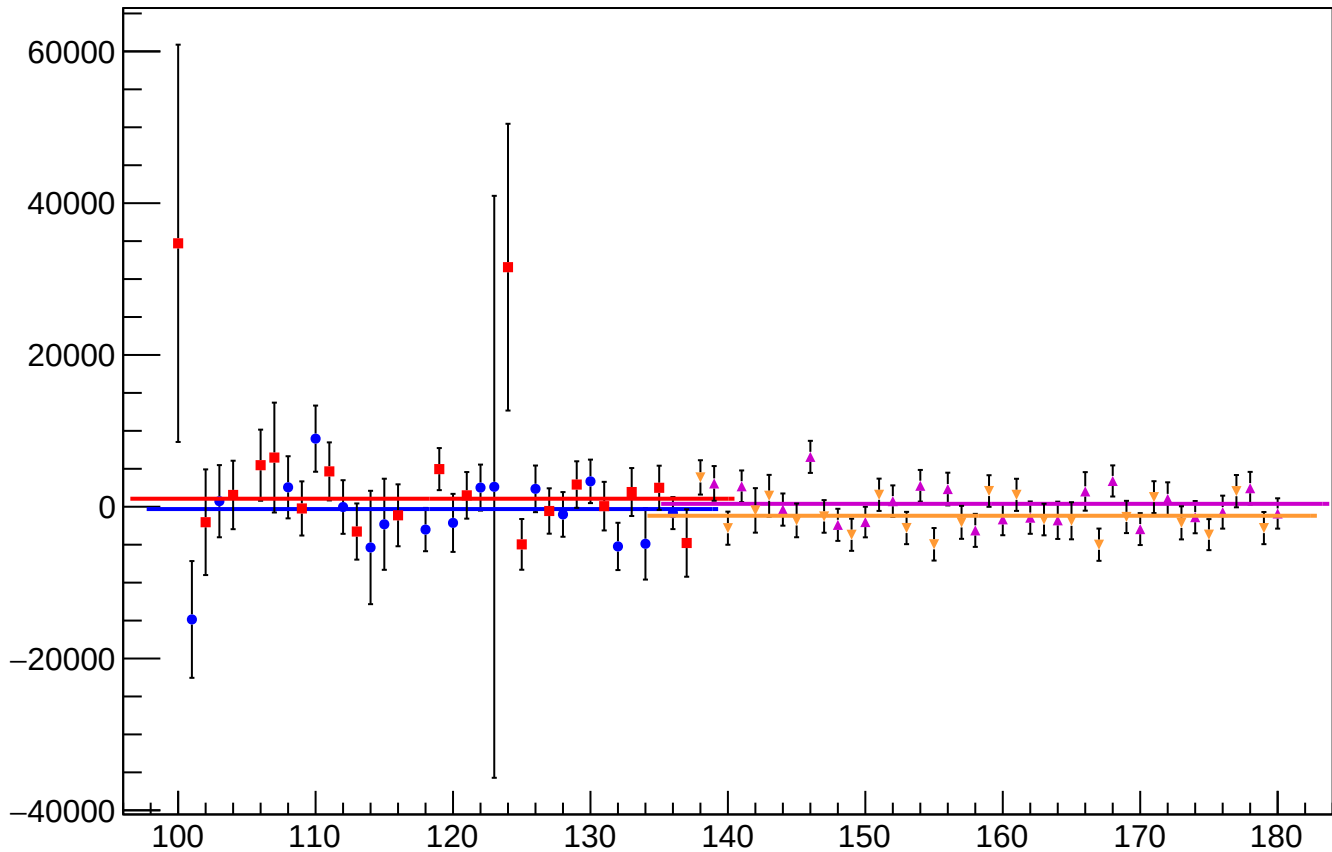
Left In: 421.749 $\pm$ 0.074 χ^2 /NDF: 358378.2/20

+ sign 454.082 $\pm$ 0.070 χ^2 /NDF: 3858439.3/38

All: 451.002 $\pm$ 0.049 χ^2 /NDF: 7955281.6/78

- sign 447.989 $\pm$ 0.069 χ^2 /NDF: 4092984.4/39

asym_at1_dd_mean vs Slug



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -1187.753 ± 467.162 χ^2/NDF : 26.9/21

Right Out: 1056.856 ± 867.445 χ^2/NDF : 16.6/18

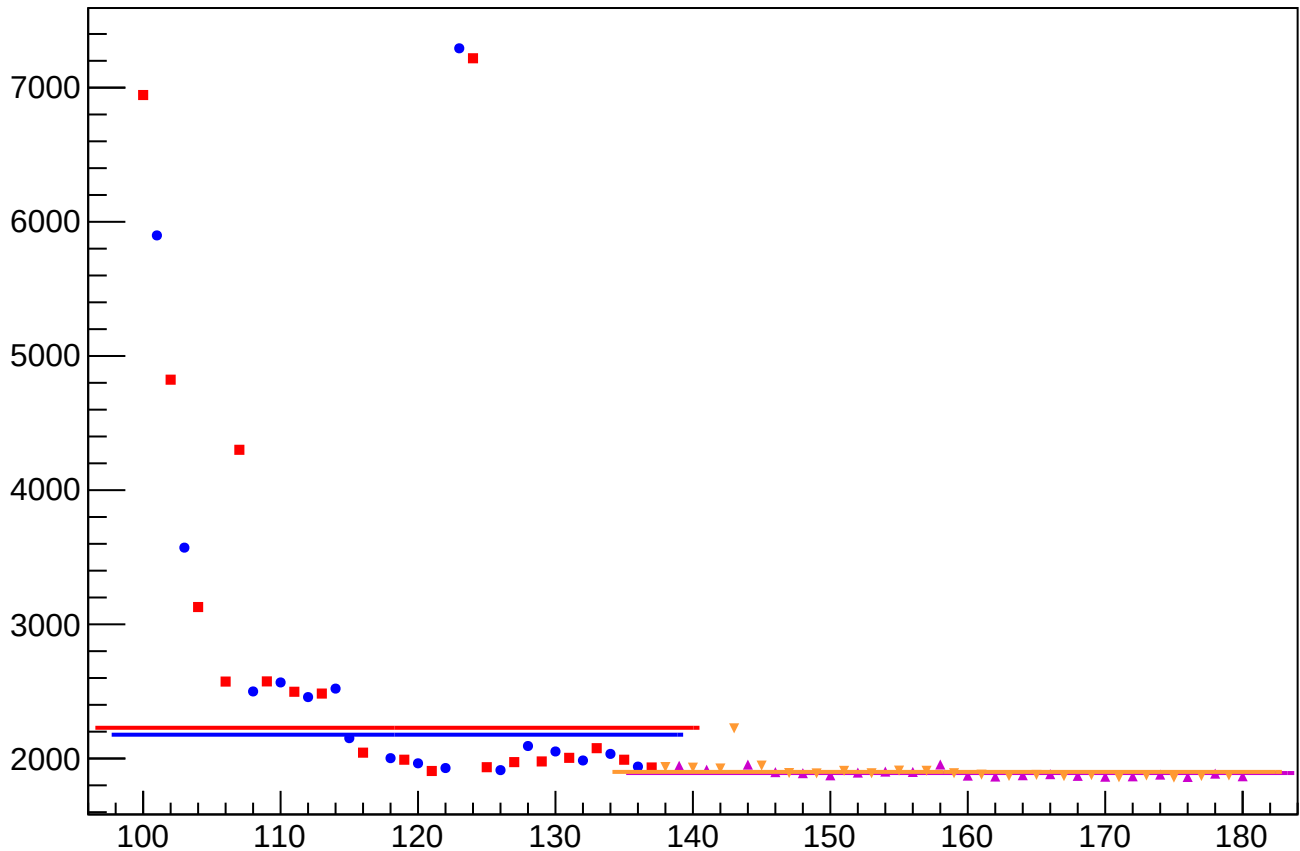
Left In: 382.395 ± 467.965 χ^2/NDF : 29.1/20

+ sign -991.025 ± 411.782 χ^2/NDF : 44.9/38

All: -228.430 ± 291.200 χ^2/NDF : 97.9/78

- sign 534.436 ± 411.855 χ^2/NDF : 46.2/39

asym_at1_dd_rms vs Slug



Right In: 2177.446 $\pm$ 0.617 χ^2 /NDF: 802836.7/16

Left Out: 1900.148 $\pm$ 0.330 χ^2 /NDF: 34250.0/21

Right Out: 2229.014 $\pm$ 0.613 χ^2 /NDF: 895809.1/18

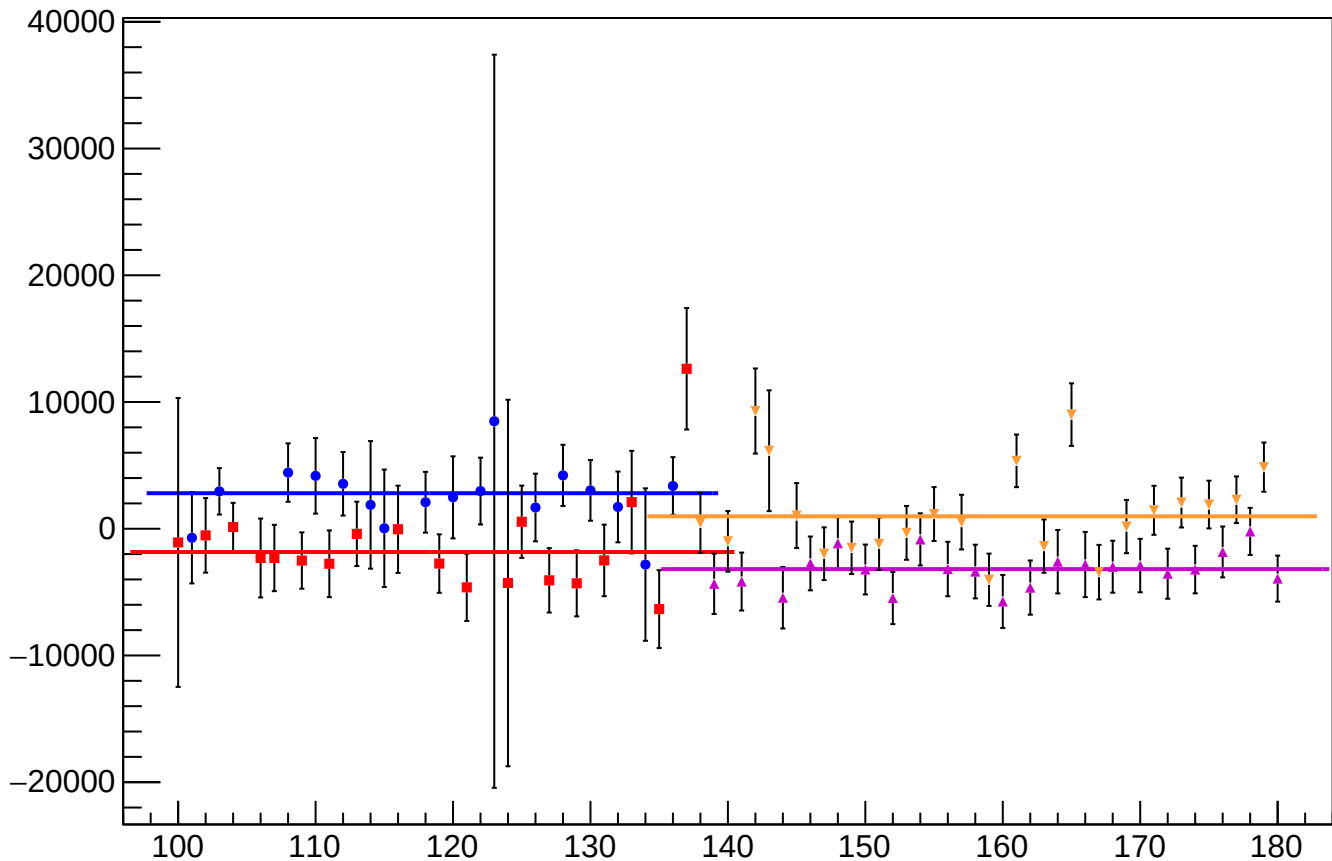
Left In: 1891.641 $\pm$ 0.331 χ^2 /NDF: 7182.4/20

+ sign 1961.996 $\pm$ 0.291 χ^2 /NDF: 994256.8/38

All: 1964.845 $\pm$ 0.206 χ^2 /NDF: 2131770.4/78

- sign 1967.694 $\pm$ 0.291 χ^2 /NDF: 1137322.1/39

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: 980.476 $\pm$ 463.070 χ^2 /NDF:44.6/21

Right Out: -1837.168 $\pm$ 655.307 χ^2 /NDF: 18.0/18

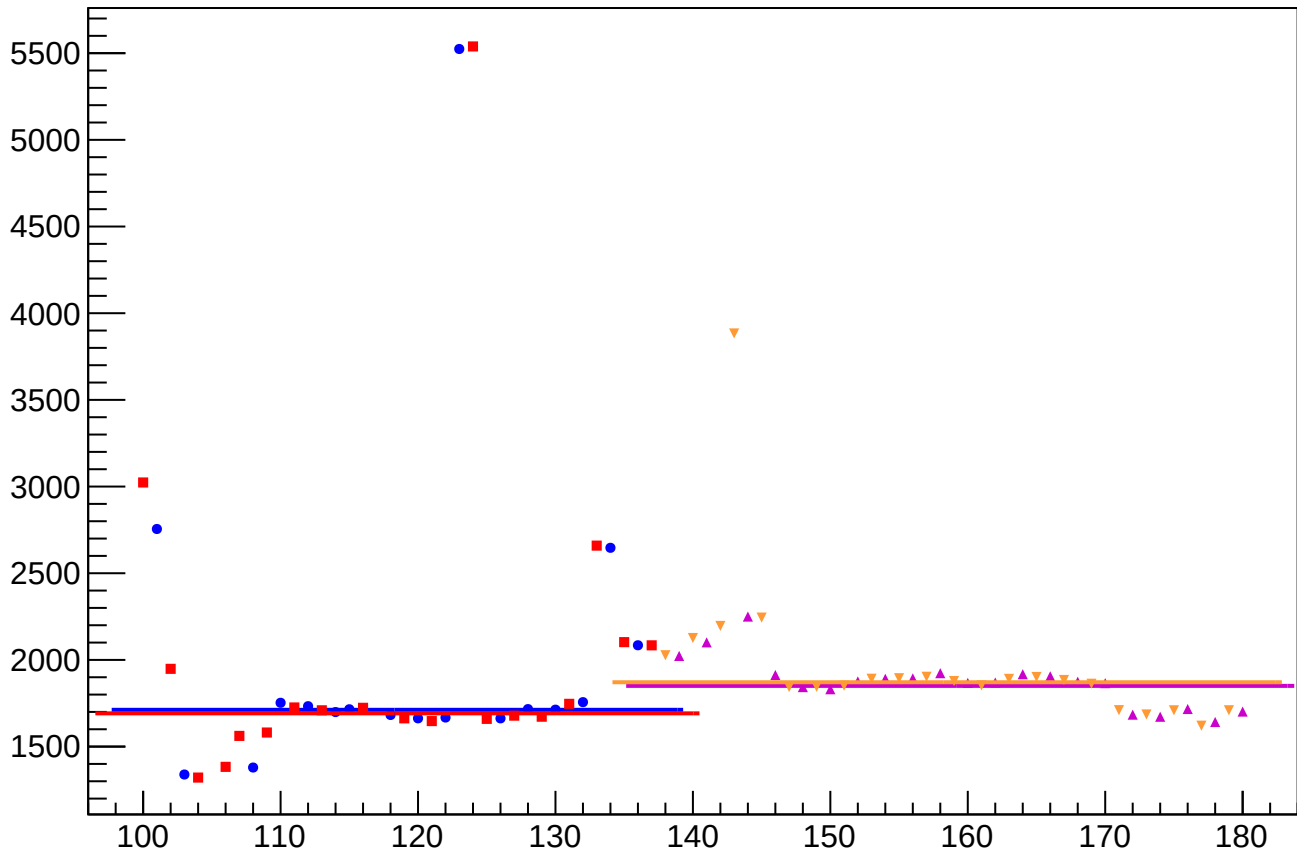
Left In: -3185.651 $\pm$ 457.986 χ^2 /NDF:10.1/20

+ sign 1559.865 $\pm$ 382.490 χ^2 /NDF: 53.5/38

All: -631.927 $\pm$ 267.917 χ^2 /NDF: 148.9/78

- sign -2743.135 $\pm$ 375.393 χ^2 /NDF: 31.0/39

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154 ± 0.480 χ^2/NDF : 432478.4/16

Left Out: 1871.161 ± 0.327 χ^2/NDF : 549068.6/21

Right Out: 1691.747 ± 0.463 χ^2/NDF : 454922.1/18

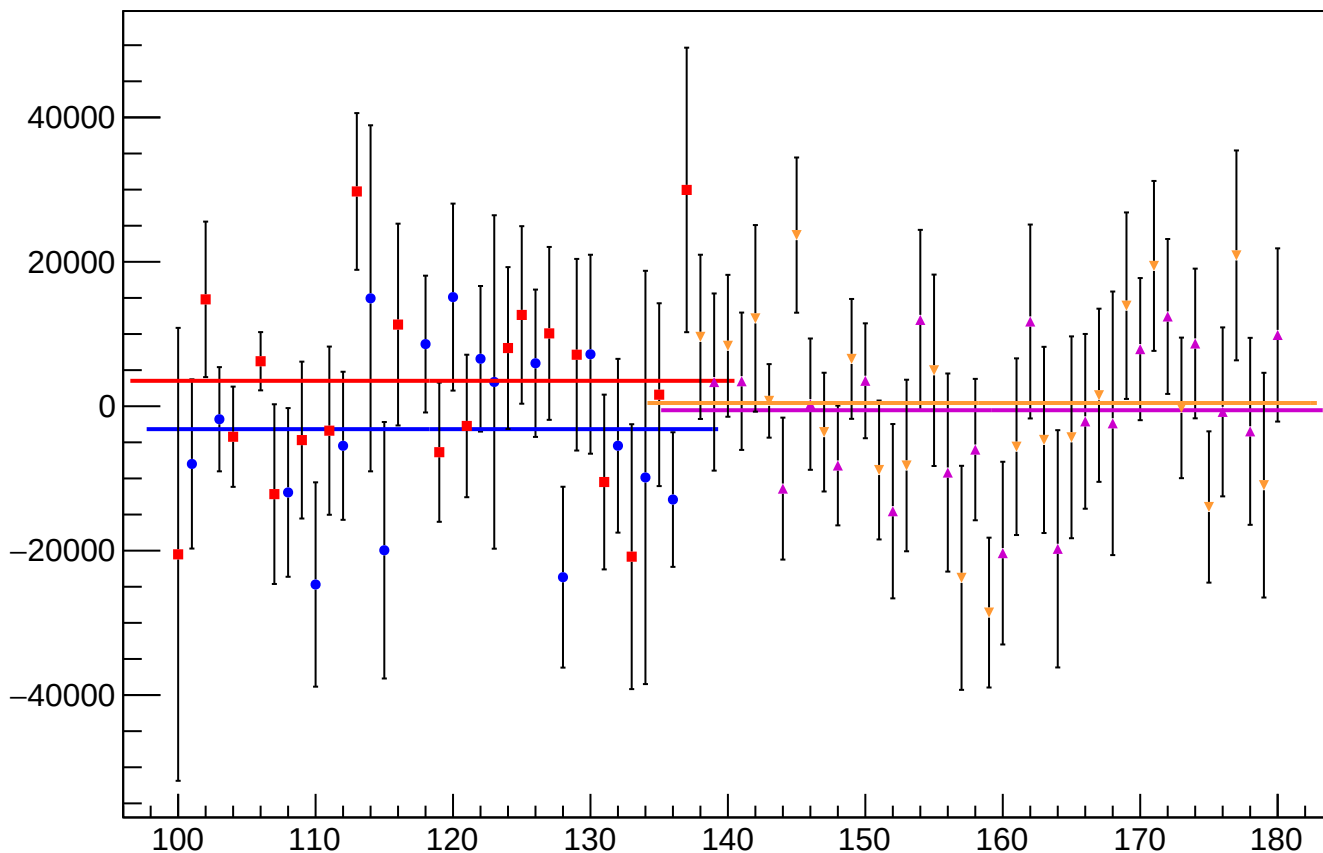
Left In: 1850.232 ± 0.324 χ^2/NDF : 177532.9/20

+ sign 1820.637 ± 0.270 χ^2/NDF : 1056475.9/38

All: 1809.220 ± 0.189 χ^2/NDF : 1771023.4/78

- sign 1798.223 ± 0.265 χ^2/NDF : 711049.1/39

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 ± 2851.982 $\chi^2/\text{NDF}: 14.4/16$

Left Out: 447.287 ± 2213.162 $\chi^2/\text{NDF}: 28.1/21$

Right Out: 3520.105 ± 2266.532 $\chi^2/\text{NDF}: 19.5/18$

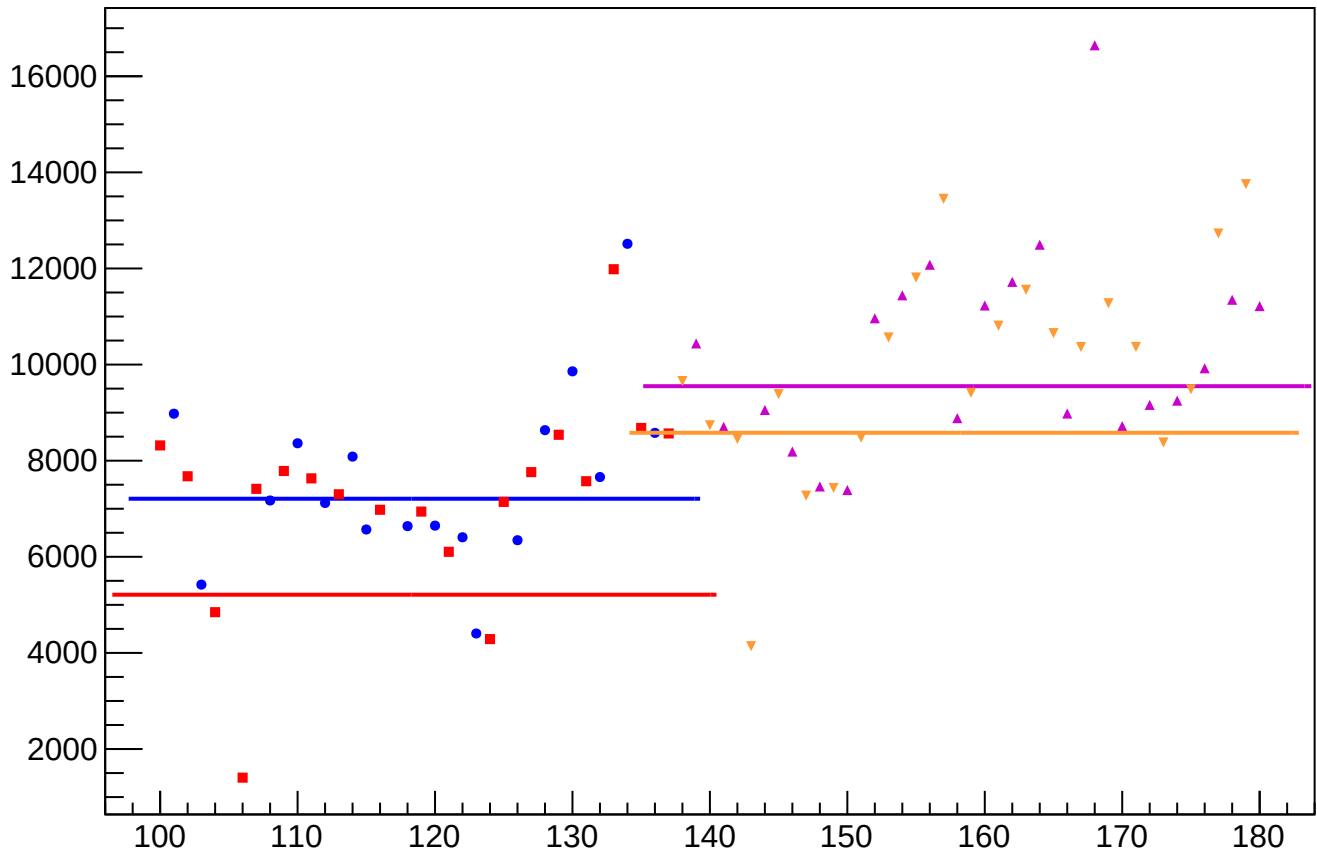
Left In: -552.344 ± 2401.638 $\chi^2/\text{NDF}: 14.2/20$

+ sign -913.504 ± 1748.462 $\chi^2/\text{NDF}: 43.4/38$

All: 418.116 ± 1199.400 $\chi^2/\text{NDF}: 79.7/78$

- sign 1601.646 ± 1648.375 $\chi^2/\text{NDF}: 35.2/39$

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 8581.164+/-1.565 χ^2/NDF : 2819054.3/21

+ sign 8065.268+/-1.236 χ^2/NDF : 3577496.5/38

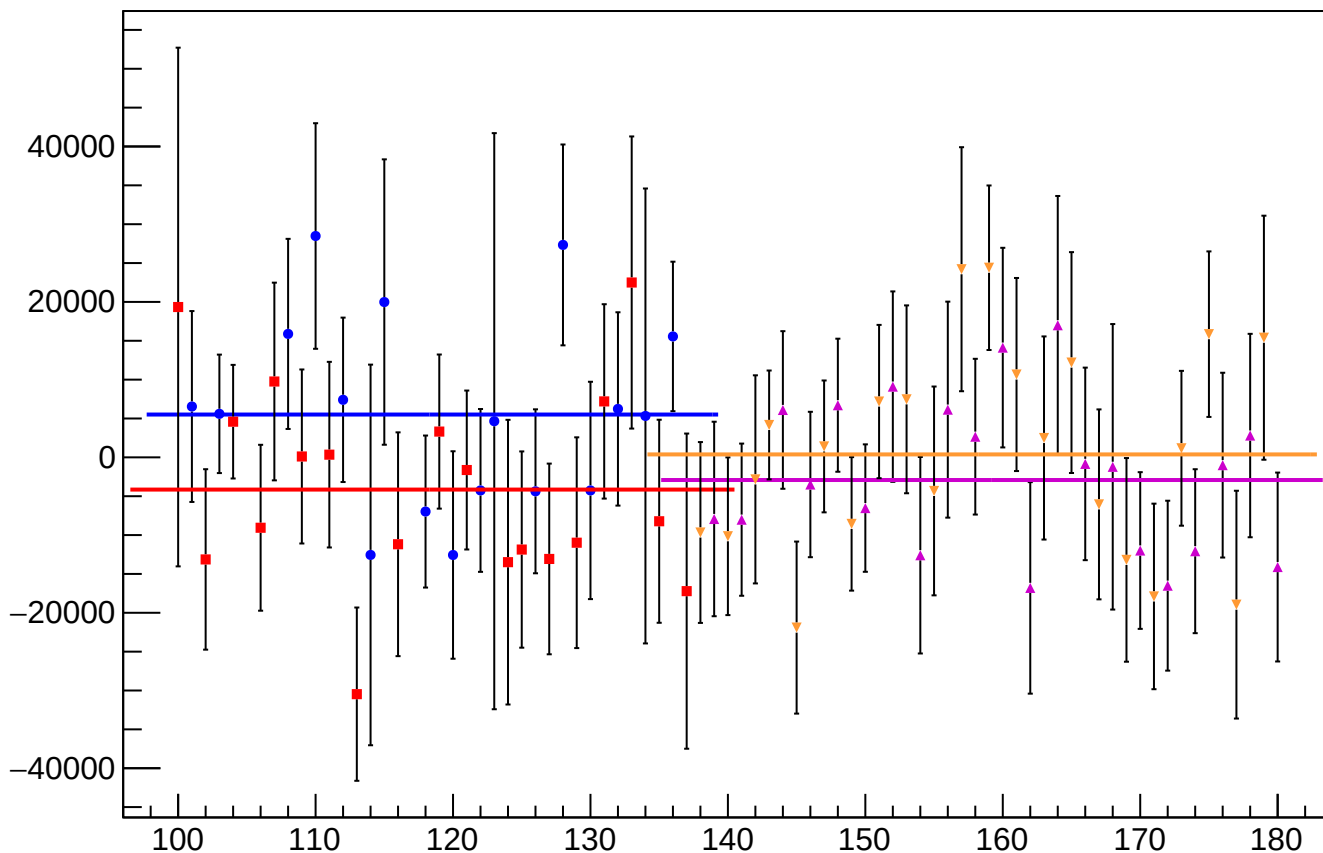
Right Out: 5211.187+/-1.603 χ^2/NDF : 3196870.2/18

All: 7636.479+/-0.848 χ^2/NDF : 11511776.7/77

- sign 7255.375+/-1.166 χ^2/NDF : 7707090.3/39

Left In: 9550.530+/-1.698 χ^2/NDF : 1056785.5/20

asym_at2_avg_mean vs Slug



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: 378.520 $\pm$ 2365.229 χ^2 /NDF: 25.6/21

Right Out: -4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

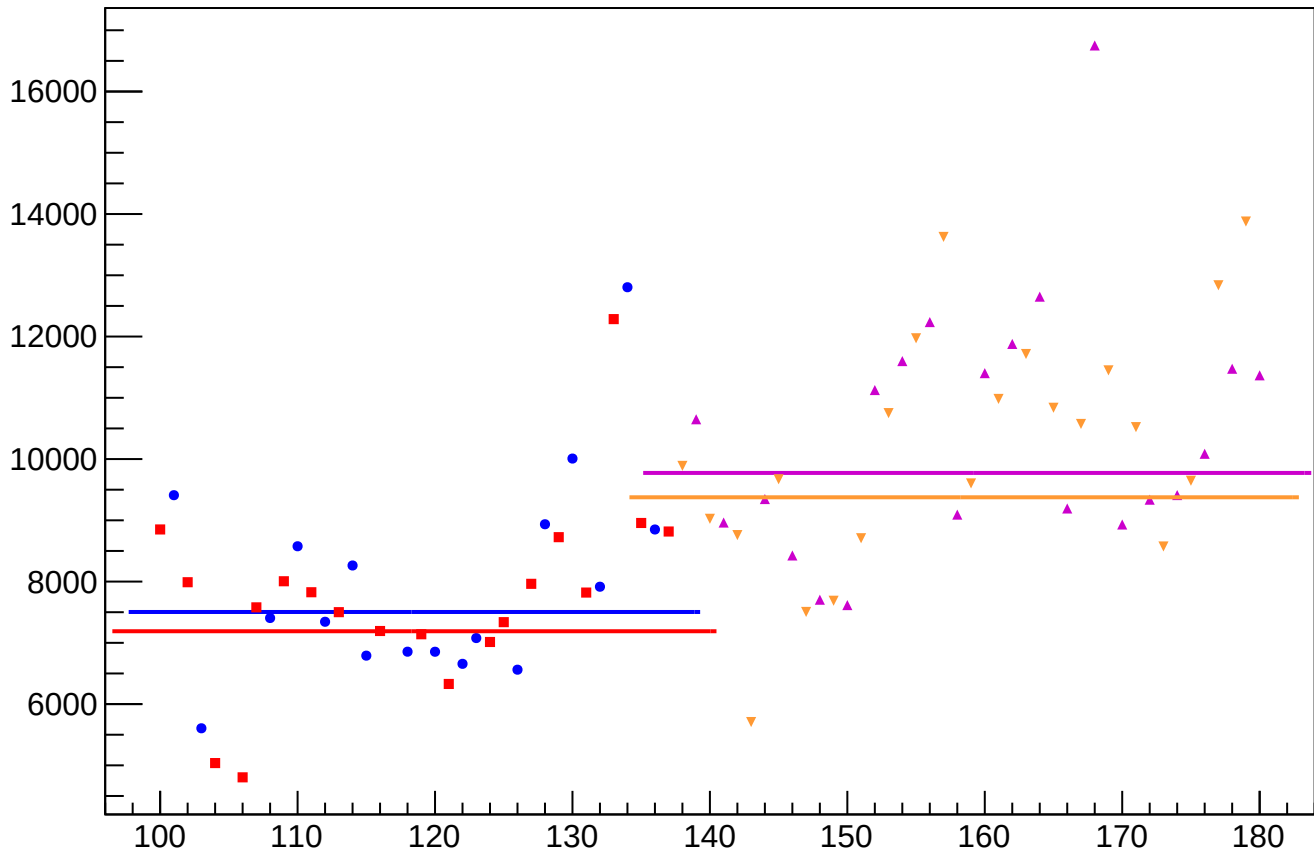
Left In: -2915.679 $\pm$ 2454.452 χ^2 /NDF: 13.4/20

+ sign 2368.881 $\pm$ 1850.452 χ^2 /NDF: 41.5/38

All: -553.681 $\pm$ 1305.788 χ^2 /NDF: 75.4/78

- sign -3452.426 $\pm$ 1842.896 χ^2 /NDF: 28.9/39

asym_at2_avg_rms vs Slug



Right In: 7503.667 $\pm$ 2.101 χ^2 /NDF: 427313.5/16

Left Out: 9375.952 $\pm$ 1.672 χ^2 /NDF: 1488883.1/21

Right Out: 7189.231 $\pm$ 1.973 χ^2 /NDF: 557703.4/18

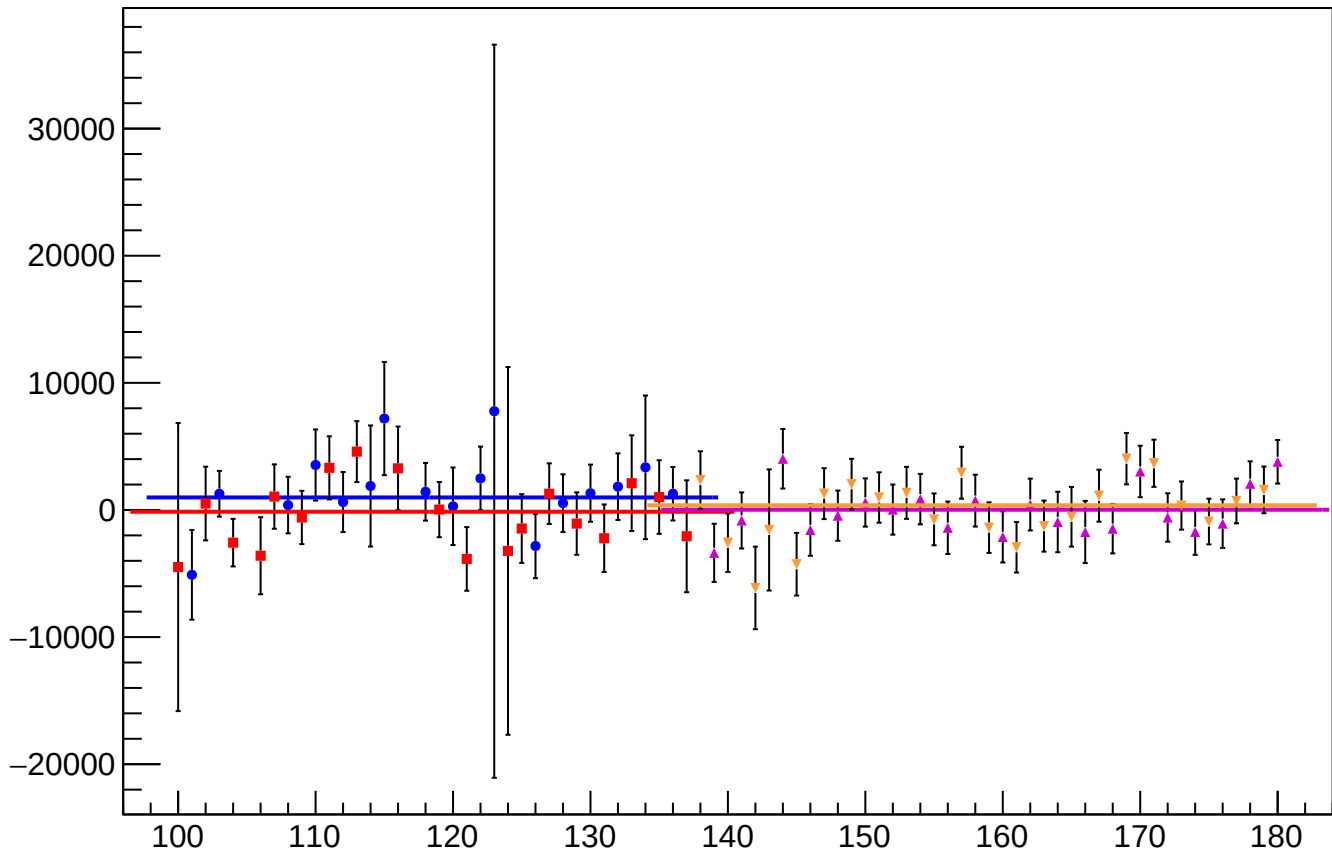
Left In: 9773.621 $\pm$ 1.736 χ^2 /NDF: 984049.2/20

+ sign 8649.635 $\pm$ 1.308 χ^2 /NDF: 2402359.3/38

All: 8647.829 $\pm$ 0.923 χ^2 /NDF: 4911563.1/78

- sign 8646.039 $\pm$ 1.303 χ^2 /NDF: 2509200.0/39

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 ± 644.630 χ^2/NDF : 9.1/16

Left Out: 368.637 ± 443.587 χ^2/NDF : 25.2/21

Right Out: -138.627 ± 623.555 χ^2/NDF : 14.7/18

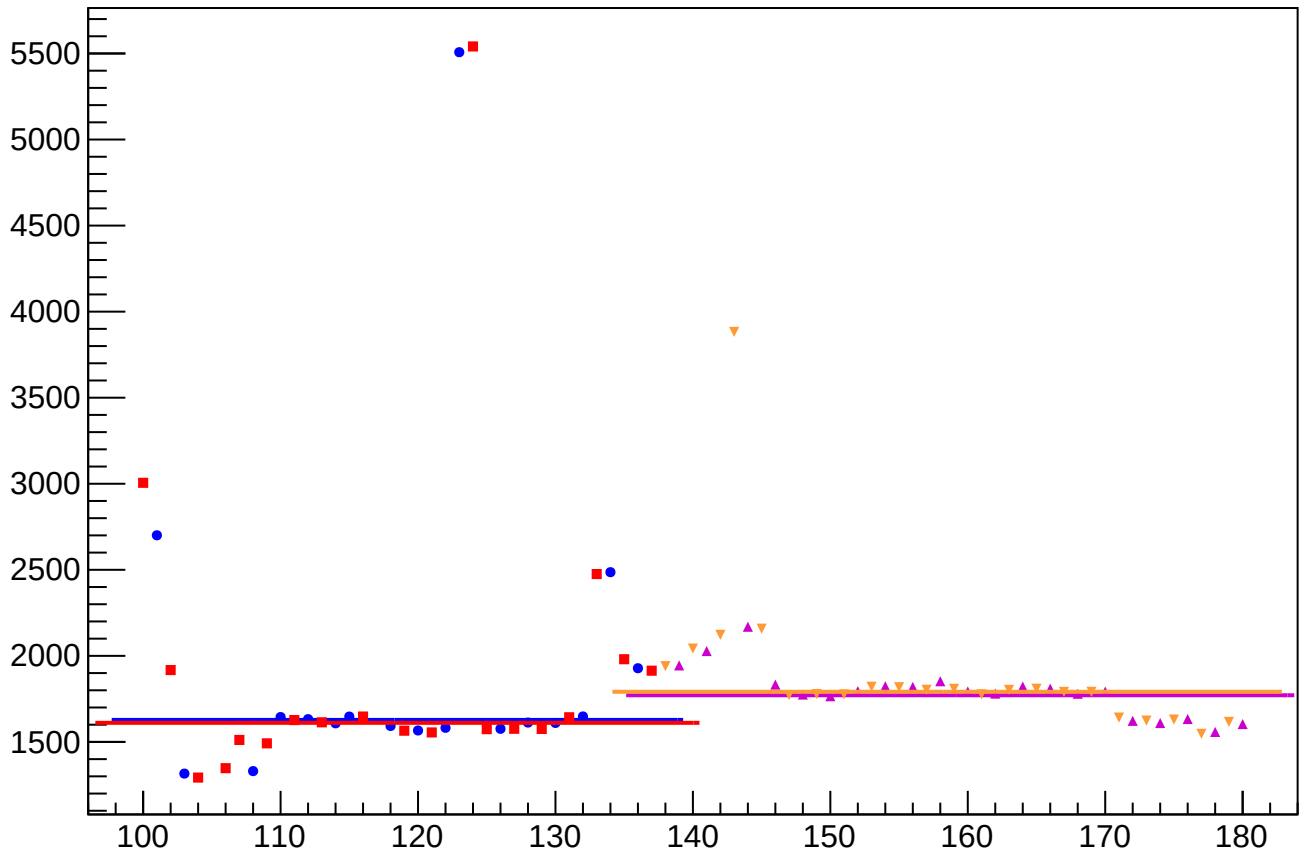
Left In: 19.226 ± 438.526 χ^2/NDF : 19.0/20

+ sign 566.852 ± 365.427 χ^2/NDF : 34.8/38

All: 261.351 ± 255.986 χ^2/NDF : 69.9/78

- sign -33.010 ± 358.703 χ^2/NDF : 33.7/39

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1791.354 $\pm$ 0.314 χ^2 /NDF: 586082.3/21

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

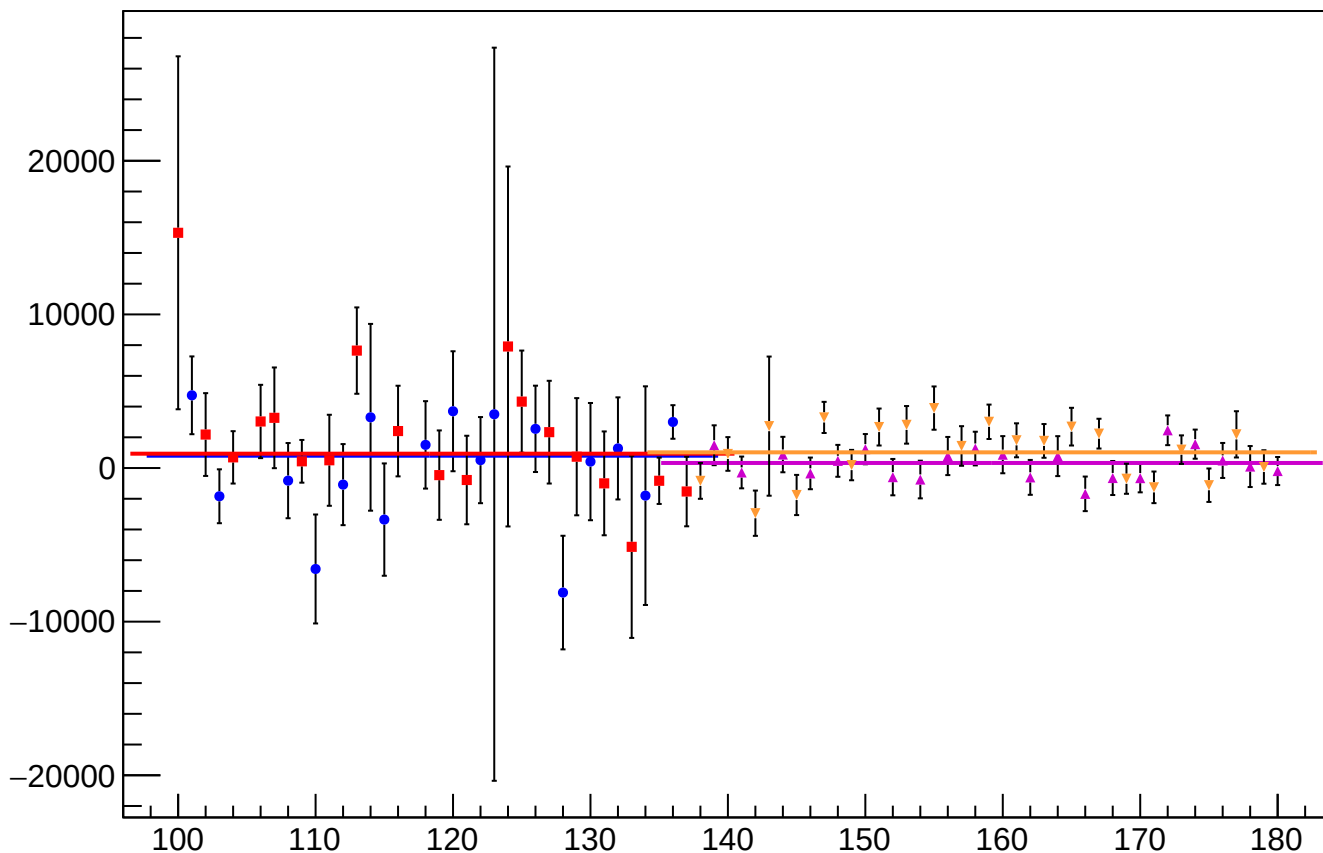
Left In: 1771.153 $\pm$ 0.310 χ^2 /NDF: 193100.1/20

+ sign 1738.807 $\pm$ 0.258 χ^2 /NDF: 1080523.6/38

All: 1728.281 $\pm$ 0.181 χ^2 /NDF: 1799174.1/78

- sign 1718.138 $\pm$ 0.254 χ^2 /NDF: 715392.0/39

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 1021.321 $\pm$ 245.690 χ^2 /NDF: 49.3/21

Right Out: 933.645 $\pm$ 589.727 χ^2 /NDF: 15.3/18

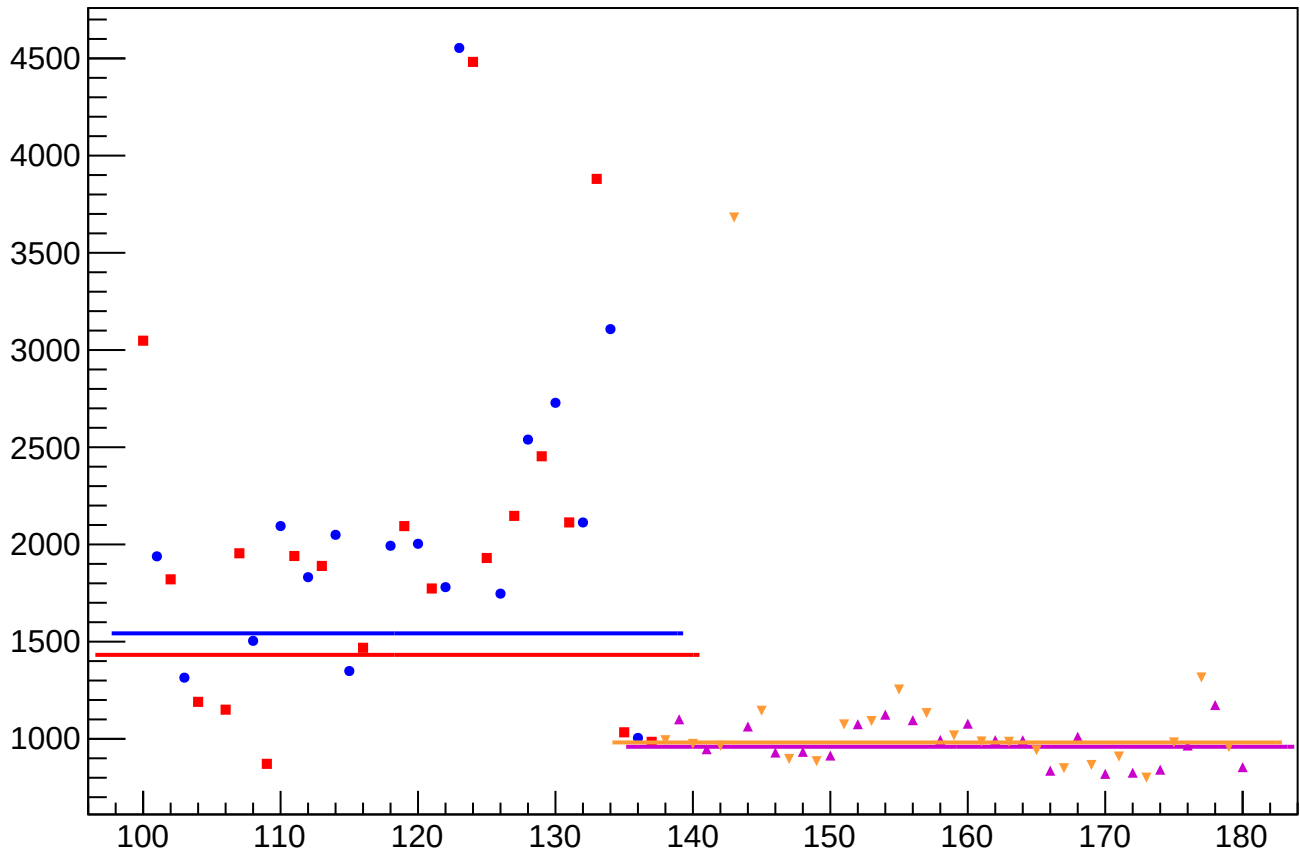
Left In: 329.977 $\pm$ 238.547 χ^2 /NDF: 17.9/20

+ sign 992.639 $\pm$ 228.979 χ^2 /NDF: 71.8/38

All: 693.691 $\pm$ 159.069 χ^2 /NDF: 109.1/78

- sign 414.862 $\pm$ 221.140 χ^2 /NDF: 34.0/39

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705 ± 0.447 $\chi^2/\text{NDF}: 1287946.3/16$

Left Out: 981.650 ± 0.174 $\chi^2/\text{NDF}: 1160574.1/21$

Right Out: 1432.013 ± 0.417 $\chi^2/\text{NDF}: 1823809.4/18$

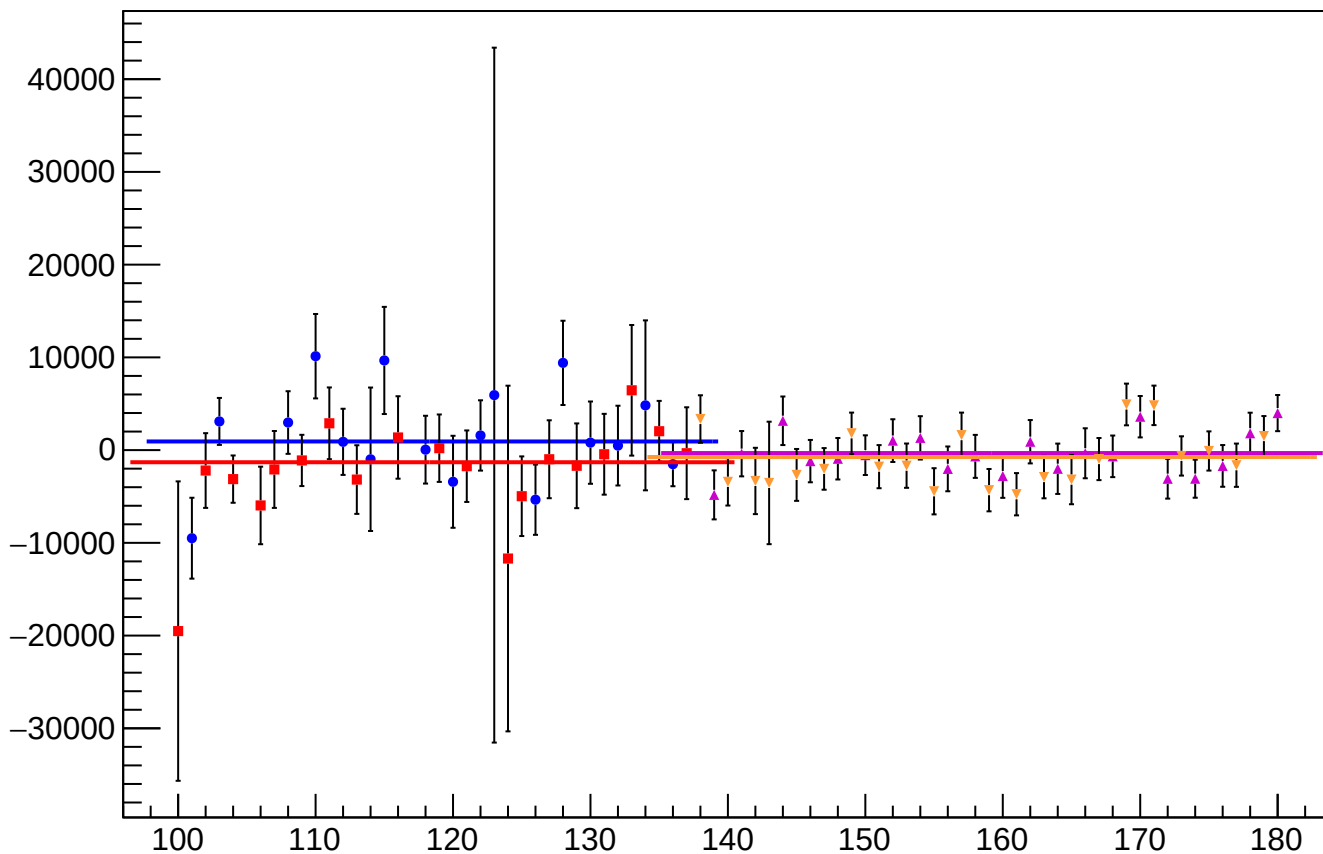
Left In: 959.383 ± 0.169 $\chi^2/\text{NDF}: 372262.6/20$

+ sign 1055.374 ± 0.162 $\chi^2/\text{NDF}: 3818992.8/38$

All: 1040.094 ± 0.112 $\chi^2/\text{NDF}: 7136252.6/78$

- sign 1025.842 ± 0.156 $\chi^2/\text{NDF}: 3300046.3/39$

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -745.588 ± 513.059 χ^2/NDF : 31.8/21

Right Out: -1307.802 ± 925.415 χ^2/NDF : 8.5/18

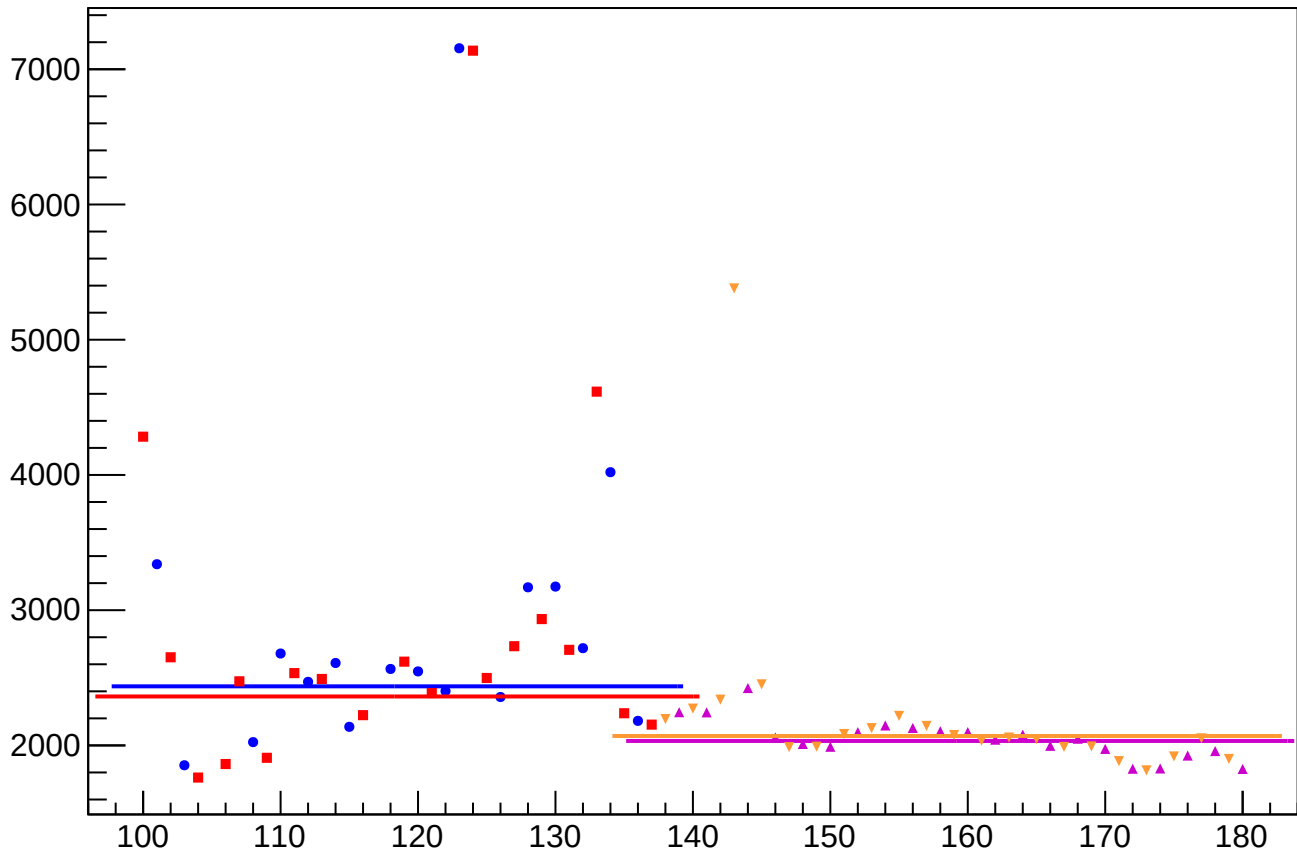
Left In: -317.747 ± 503.062 χ^2/NDF : 20.8/20

+ sign -377.459 ± 453.315 χ^2/NDF : 55.8/38

All: -462.623 ± 316.458 χ^2/NDF : 86.0/78

- sign -543.581 ± 441.979 χ^2/NDF : 30.2/39

asym_at2_dd_rms vs Slug



Right In: 2436.855+/-0.684 χ^2 /NDF: 469030.2/16

Left Out: 2069.747+/-0.363 χ^2 /NDF: 656124.4/21

Right Out: 2361.880+/-0.654 χ^2 /NDF: 655847.5/18

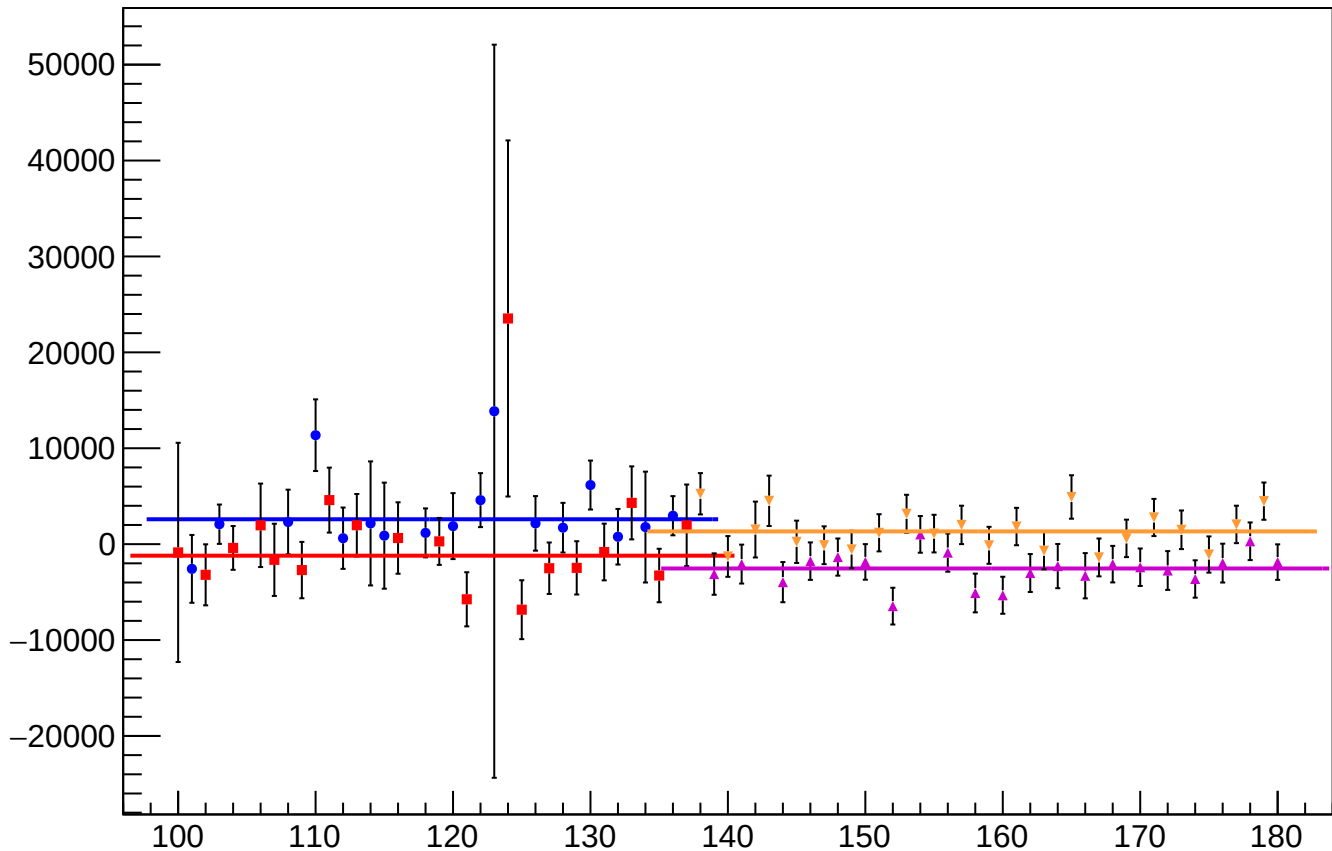
Left In: 2032.997+/-0.356 χ^2 /NDF: 156820.5/20

+ sign 2150.266+/-0.321 χ^2 /NDF: 1349743.8/38

All: 2128.606+/-0.224 χ^2 /NDF: 2366303.9/78

- sign 2108.016+/-0.313 χ^2 /NDF: 1007653.8/39

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684 ± 743.000 χ^2/NDF : 11.7/16

Left Out: 1329.876 ± 434.940 χ^2/NDF : 20.2/21

Right Out: -1202.548 ± 739.618 χ^2/NDF : 17.2/18

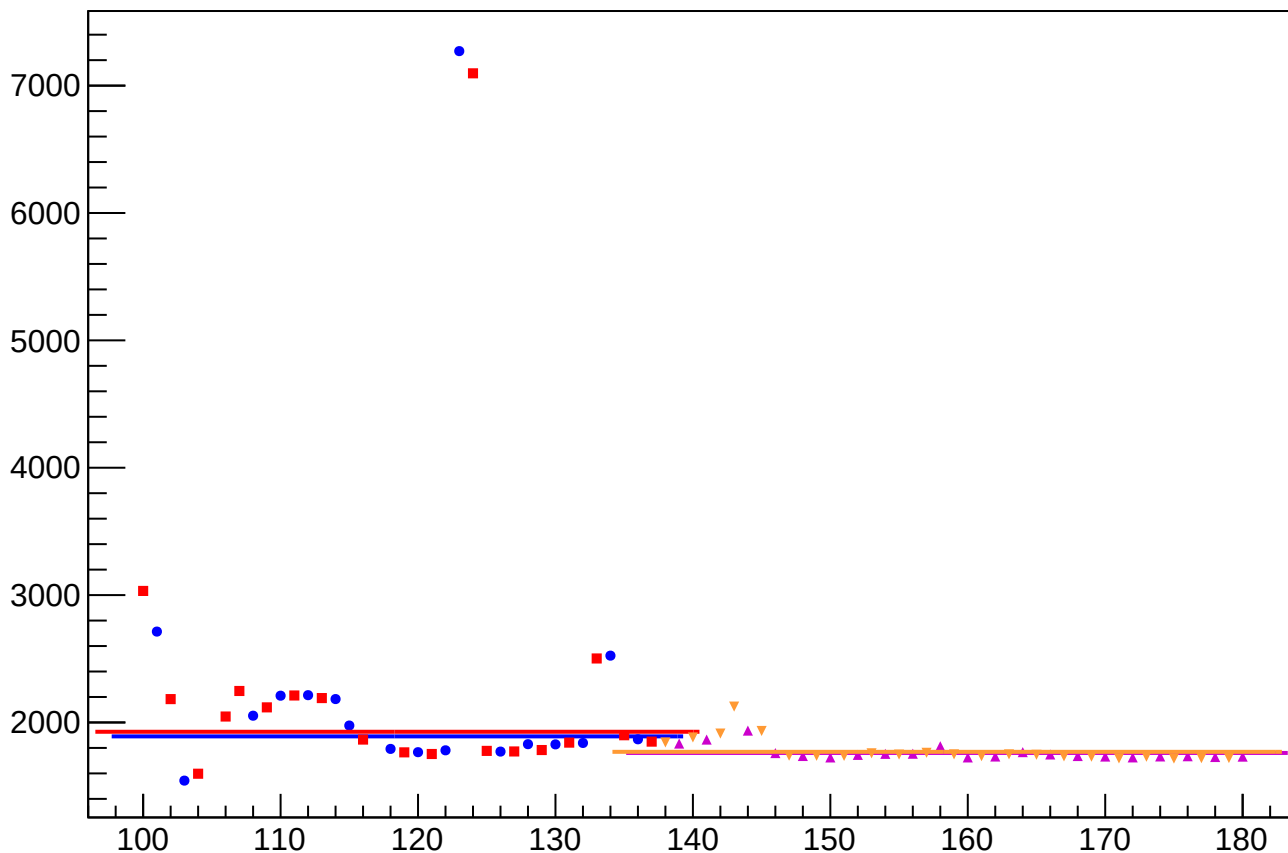
Left In: -2537.629 ± 435.243 χ^2/NDF : 16.1/20

+ sign 1652.677 ± 375.357 χ^2/NDF : 34.1/38

All: -272.024 ± 265.331 χ^2/NDF : 122.4/78

- sign -2194.216 ± 375.112 χ^2/NDF : 35.8/39

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1769.441+/-0.308 χ^2/NDF : 71293.1/21

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

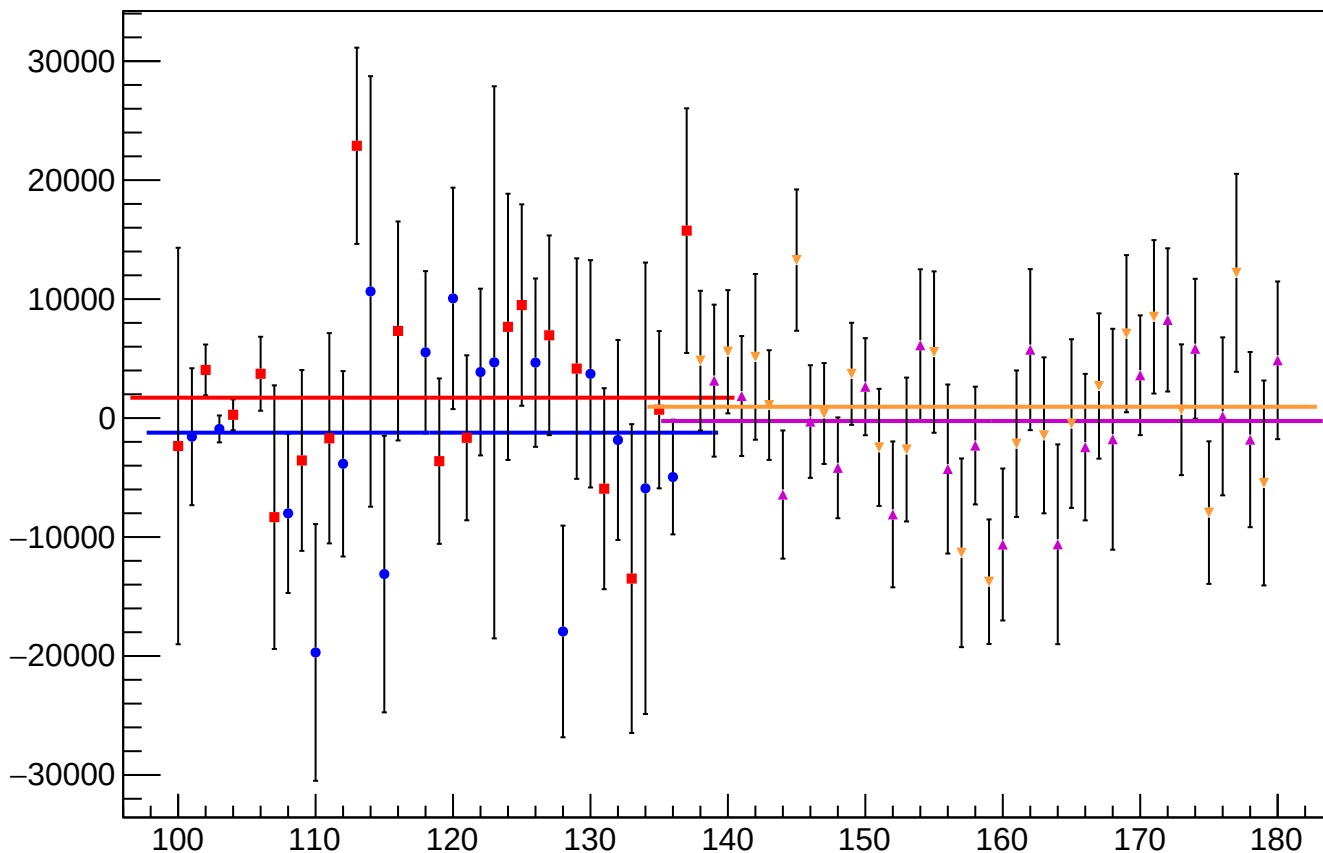
Left In: 1760.592+/-0.308 χ^2/NDF : 28463.7/20

+ sign 1800.394+/-0.265 χ^2/NDF : 399926.2/38

All: 1801.940+/-0.188 χ^2/NDF : 866042.4/78

- sign 1803.483+/-0.265 χ^2/NDF : 466048.4/39

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 949.014 $\pm$ 1243.036 χ^2 /NDF: 25.3/21

Right Out: 1711.747 $\pm$ 941.580 χ^2 /NDF: 17.8/18

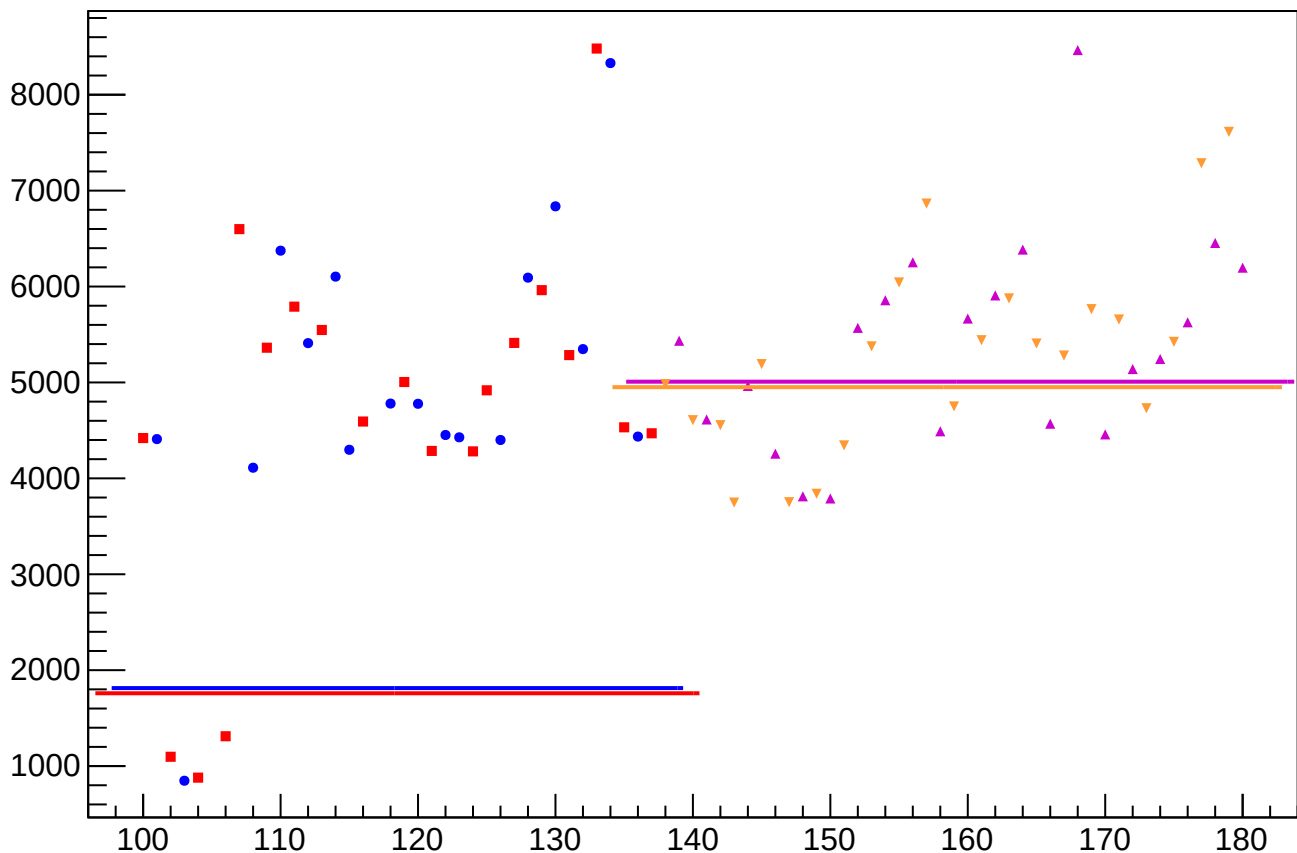
Left In: -246.676 $\pm$ 1260.994 χ^2 /NDF: 15.7/20

+ sign -388.032 $\pm$ 771.813 χ^2 /NDF: 41.0/38

All: 327.232 $\pm$ 539.514 χ^2 /NDF: 77.7/78

- sign 1010.693 $\pm$ 754.459 χ^2 /NDF: 35.0/39

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2 /NDF: 6449038.4/16

Left Out: 4950.746+/-0.879 χ^2 /NDF:1145939.5/21

Right Out: 1759.135+/-0.666 χ^2 /NDF: 6313068.7/18

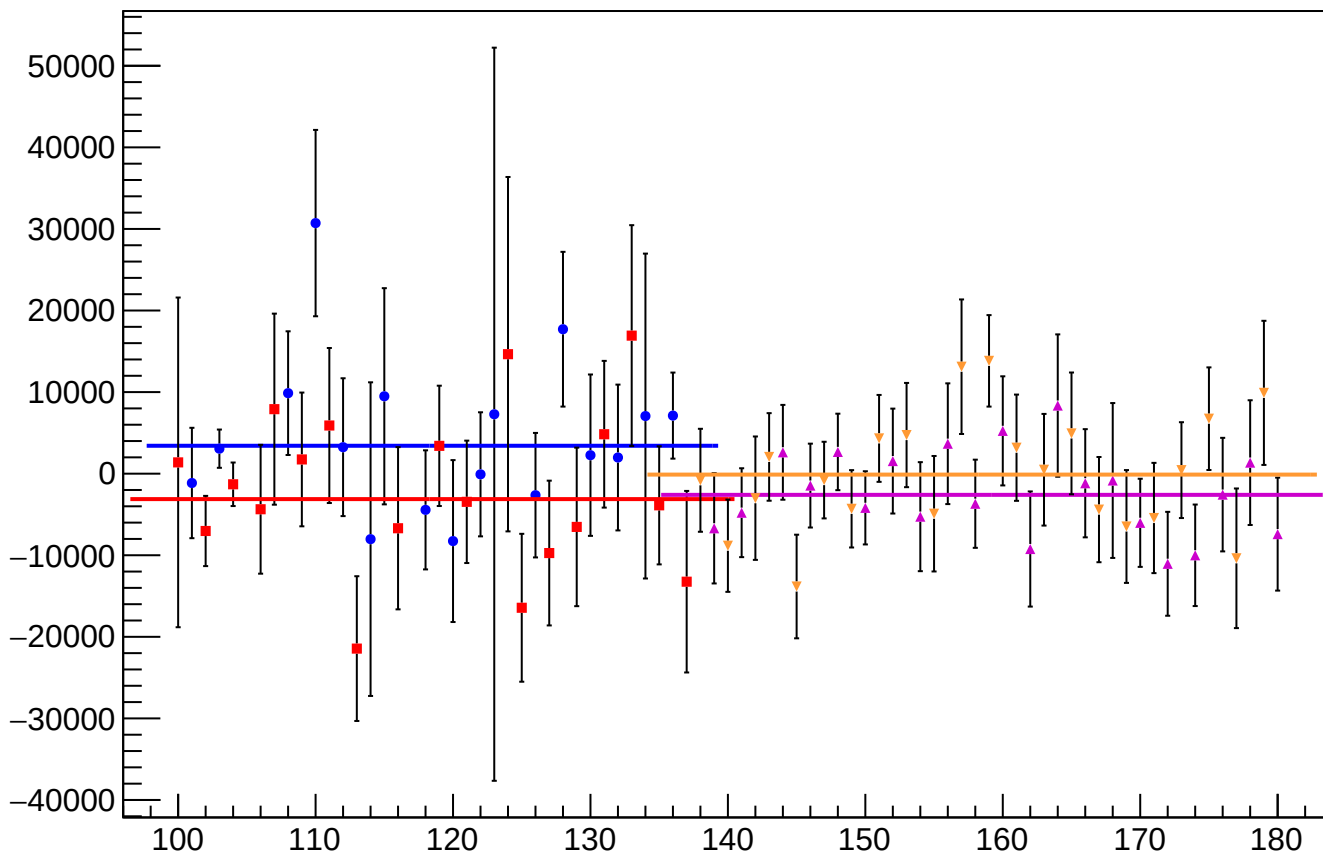
Left In: 5007.913+/-0.892 χ^2 /NDF:1129104.3/20

+ sign 3022.811+/-0.546 χ^2 /NDF: 15424689.6/38

All: 2971.308+/-0.381 χ^2 /NDF: 31407432.3/7

- sign 2922.096+/-0.533 χ^2 /NDF: 15965327.5/39

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -112.741+/-1336.530 χ^2/NDF :25.2/21

Right Out: -3117.857+/-1605.930 χ^2/NDF : 16.0/18

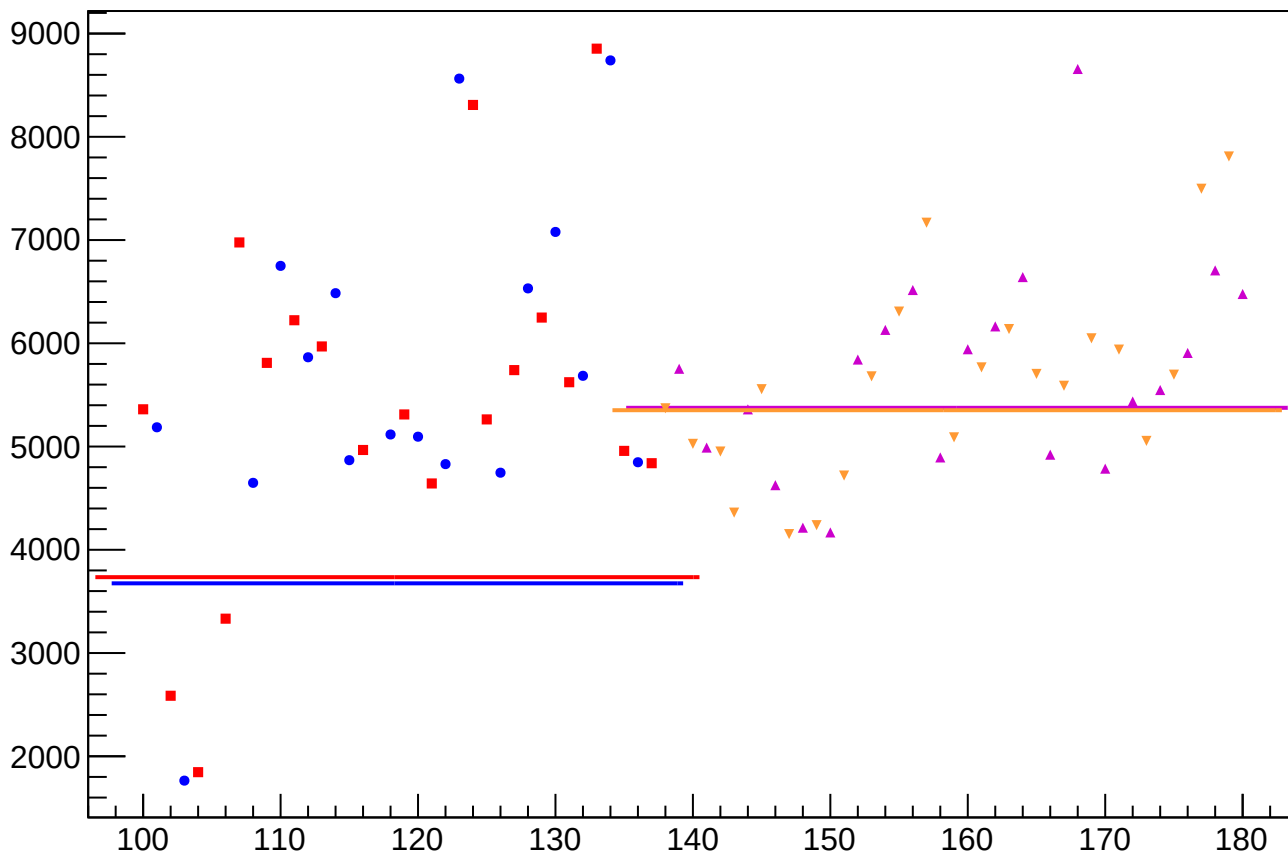
Left In: -2596.556+/-1348.297 χ^2/NDF :12.3/20

+ sign 1332.596+/-1027.495 χ^2/NDF : 41.8/38

All: -729.448+/-728.352 χ^2/NDF : 78.3/78

- sign -2812.088+/-1032.614 χ^2/NDF : 28.4/39

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5351.858+/-0.945 χ^2/NDF : 863392.1/21

Right Out: 3734.796+/-1.128 χ^2/NDF : 2693929.0/18

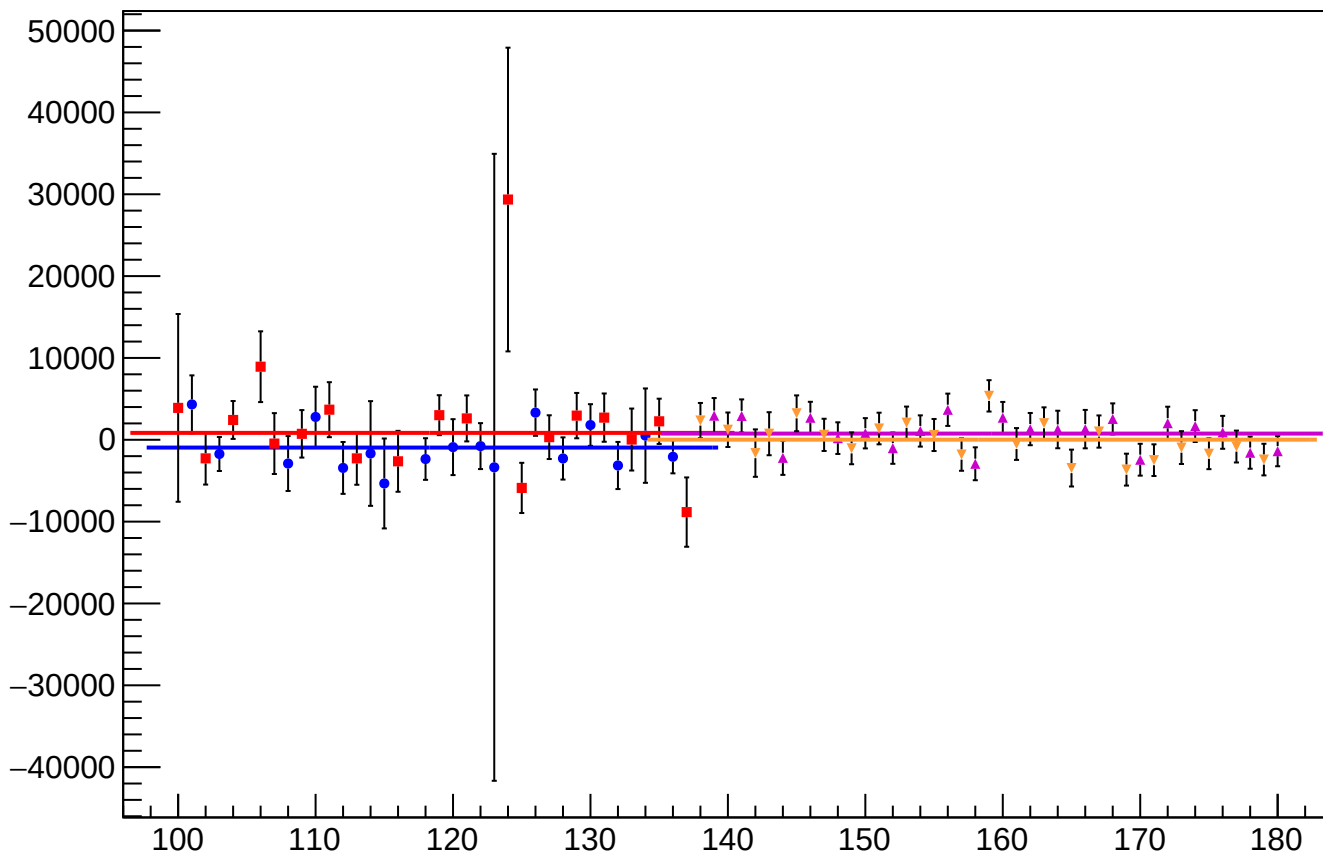
Left In: 5375.149+/-0.953 χ^2/NDF : 904021.5/20

+ sign 4666.058+/-0.727 χ^2/NDF : 4926033.0/38

All: 4678.820+/-0.514 χ^2/NDF : 9758109.6/78

- sign 4691.639+/-0.728 χ^2/NDF : 4831458.1/39

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 15.690 ± 433.284 χ^2/NDF : 26.6/21

Right Out: 843.515 ± 737.527 χ^2/NDF : 22.5/18

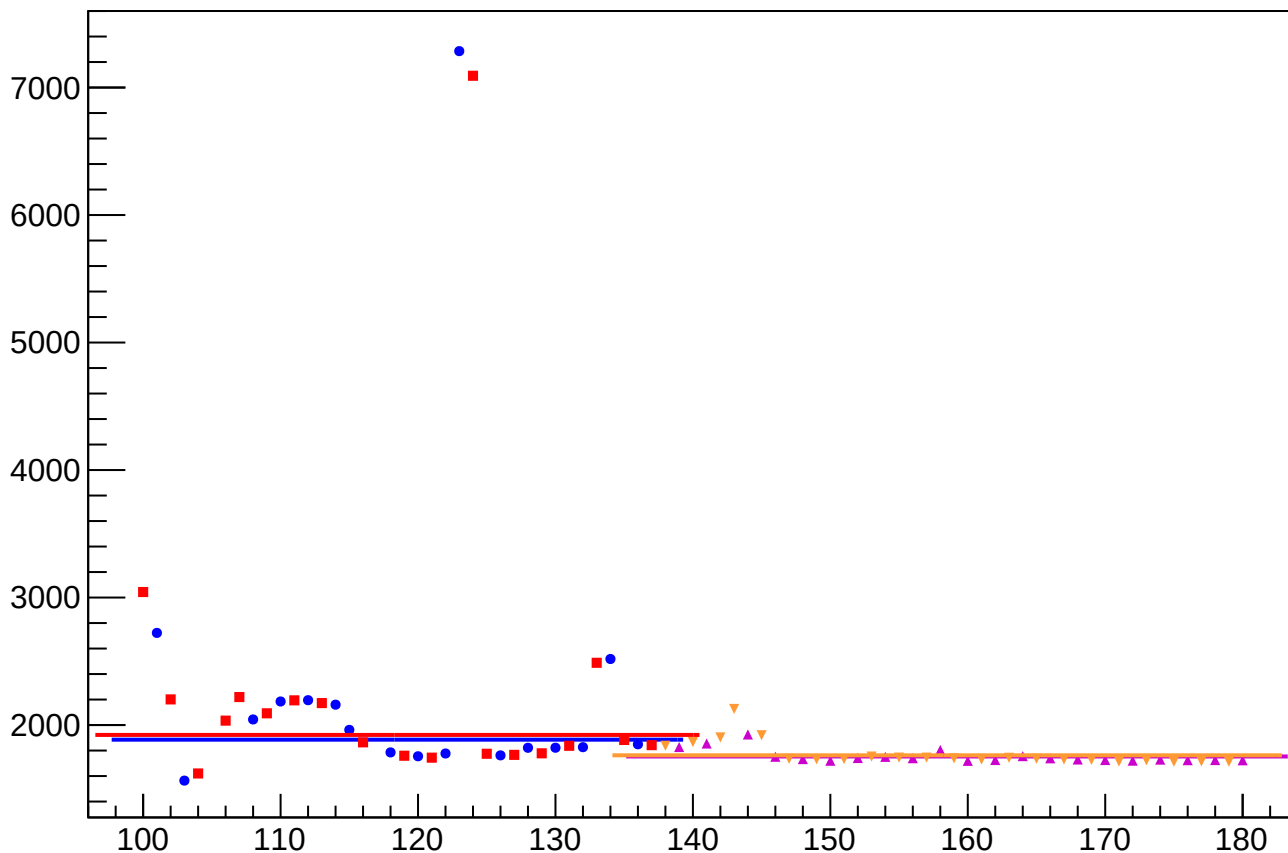
Left In: 757.331 ± 433.493 χ^2/NDF : 19.9/20

+ sign -230.876 ± 373.991 χ^2/NDF : 37.8/38

All: 274.660 ± 264.355 χ^2/NDF : 83.9/78

- sign 779.460 ± 373.719 χ^2/NDF : 42.4/39

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1762.753+/-0.306 χ^2/NDF : 70911.4/21

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

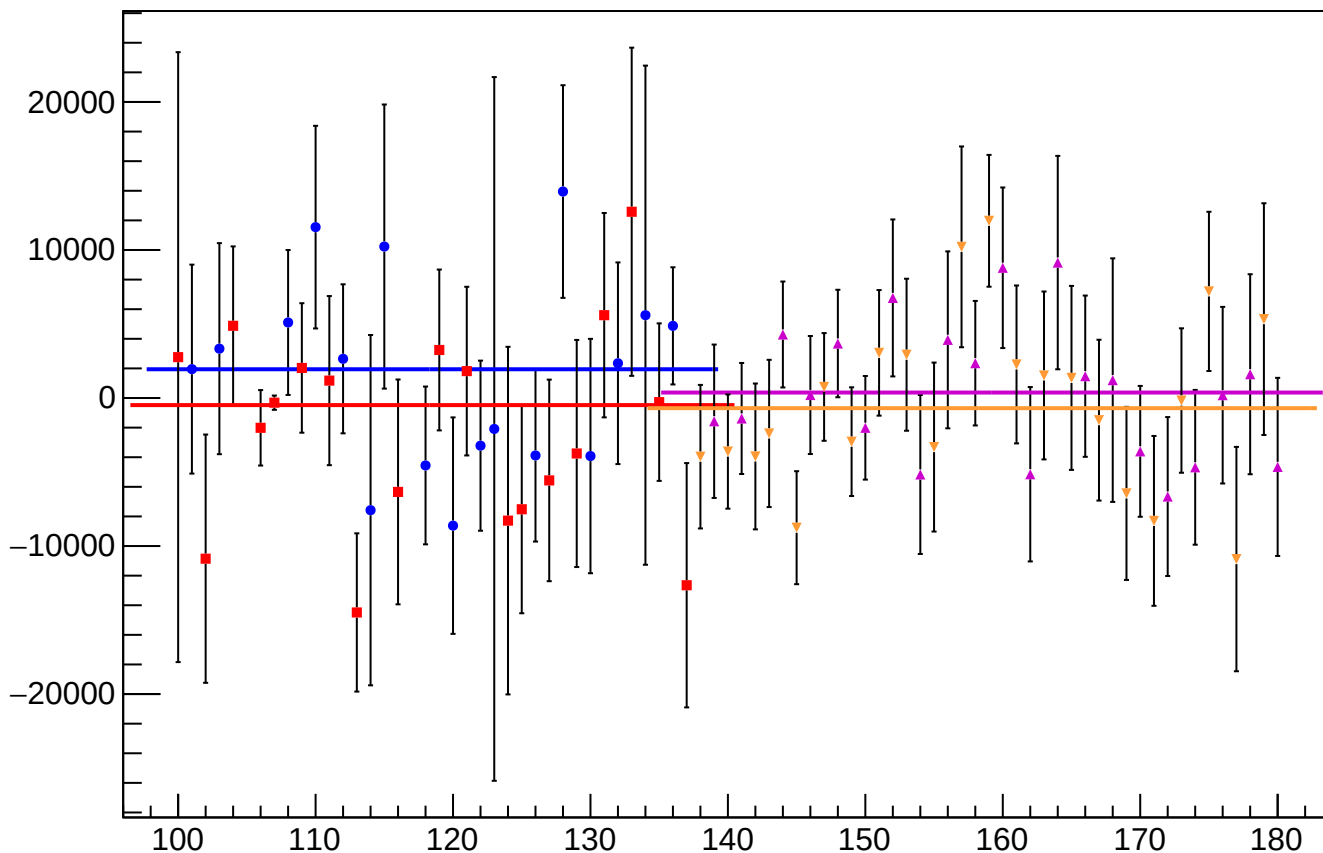
Left In: 1753.539+/-0.307 χ^2/NDF : 27560.4/20

+ sign 1794.013+/-0.264 χ^2/NDF : 392171.8/38

All: 1795.524+/-0.187 χ^2/NDF : 849540.9/78

- sign 1797.033+/-0.264 χ^2/NDF : 457303.8/39

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -686.760+/-1052.889 χ^2/NDF : 26.6/21

Right Out: -478.828+/-453.684 χ^2/NDF : 18.1/18

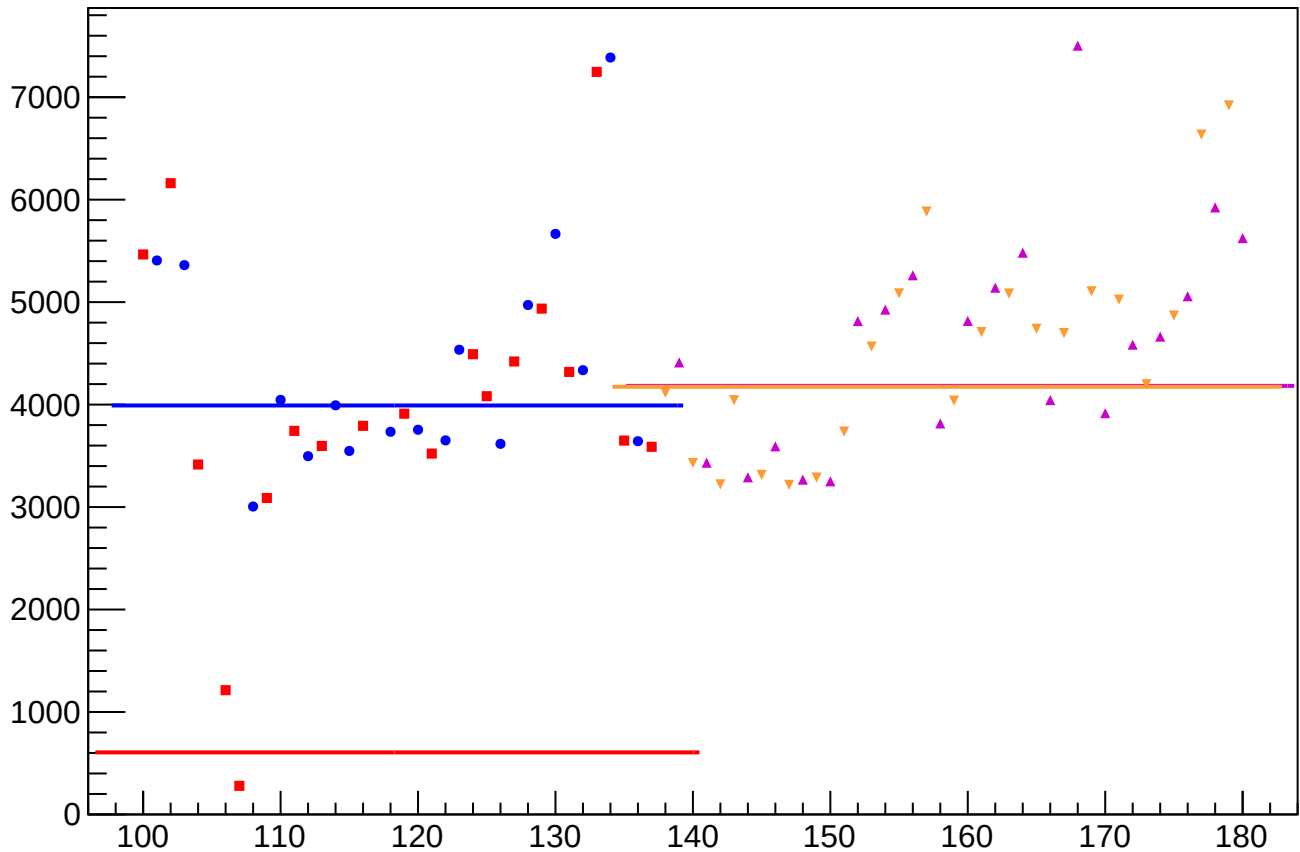
Left In: 369.754+/-1058.689 χ^2/NDF : 15.0/20

+ sign 121.228+/-876.351 χ^2/NDF : 41.7/38

All: -260.693+/-376.550 χ^2/NDF : 75.5/78

- sign -347.171+/-417.007 χ^2/NDF : 33.6/39

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 4174.183+/-0.745 χ^2/NDF :1412362.1/21

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

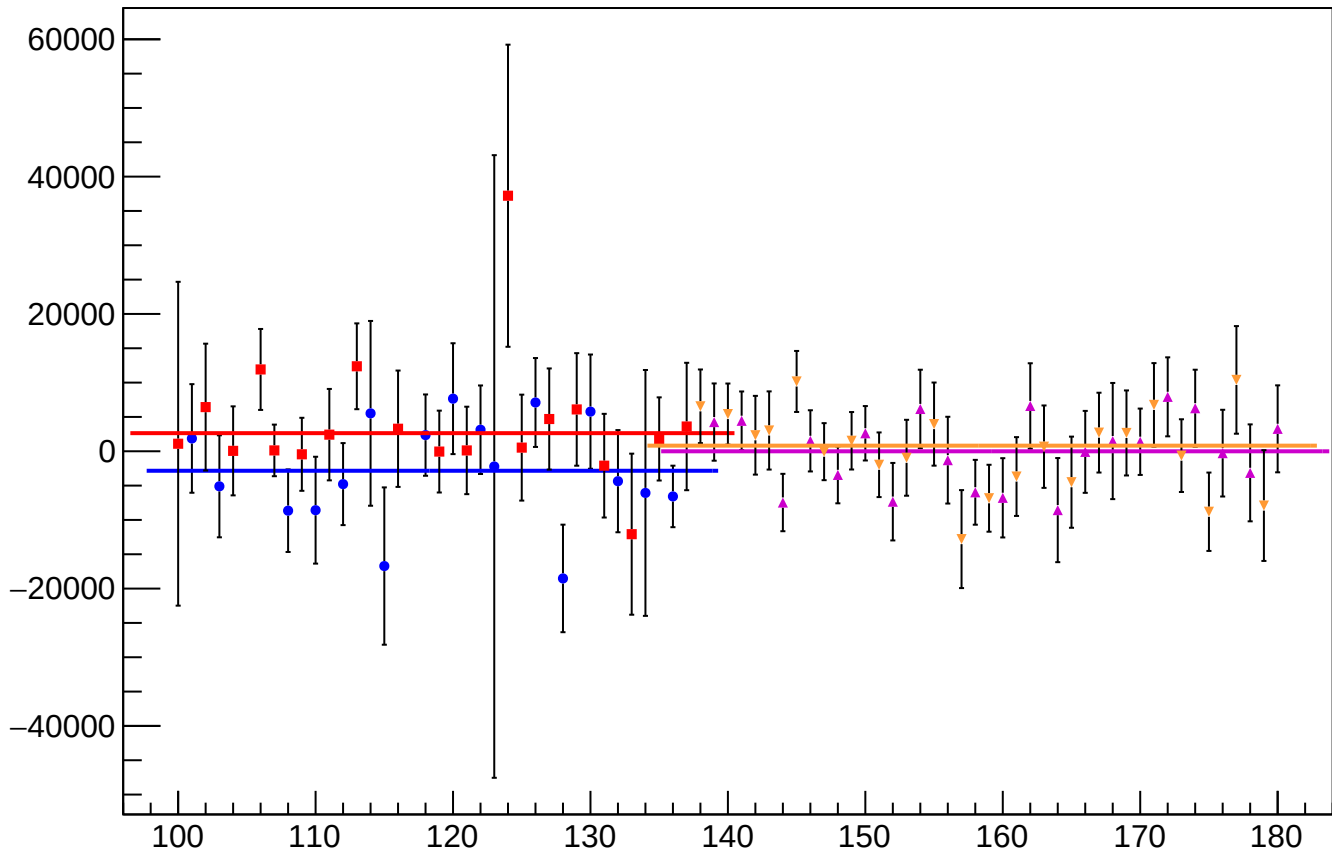
Left In: 4182.660+/-0.749 χ^2/NDF :1466426.2/20

+ sign 4118.032+/-0.620 χ^2/NDF : 1941659.5/38

All: 1706.687+/-0.266 χ^2/NDF : 51513920.6/7

- sign 1160.690+/-0.295 χ^2/NDF : 31001302.4/39

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 ± 1786.019 χ^2/NDF : 15.4/16

Left Out: 817.267 ± 1161.850 χ^2/NDF : 21.8/21

Right Out: 2637.071 ± 1575.105 χ^2/NDF : 11.2/18

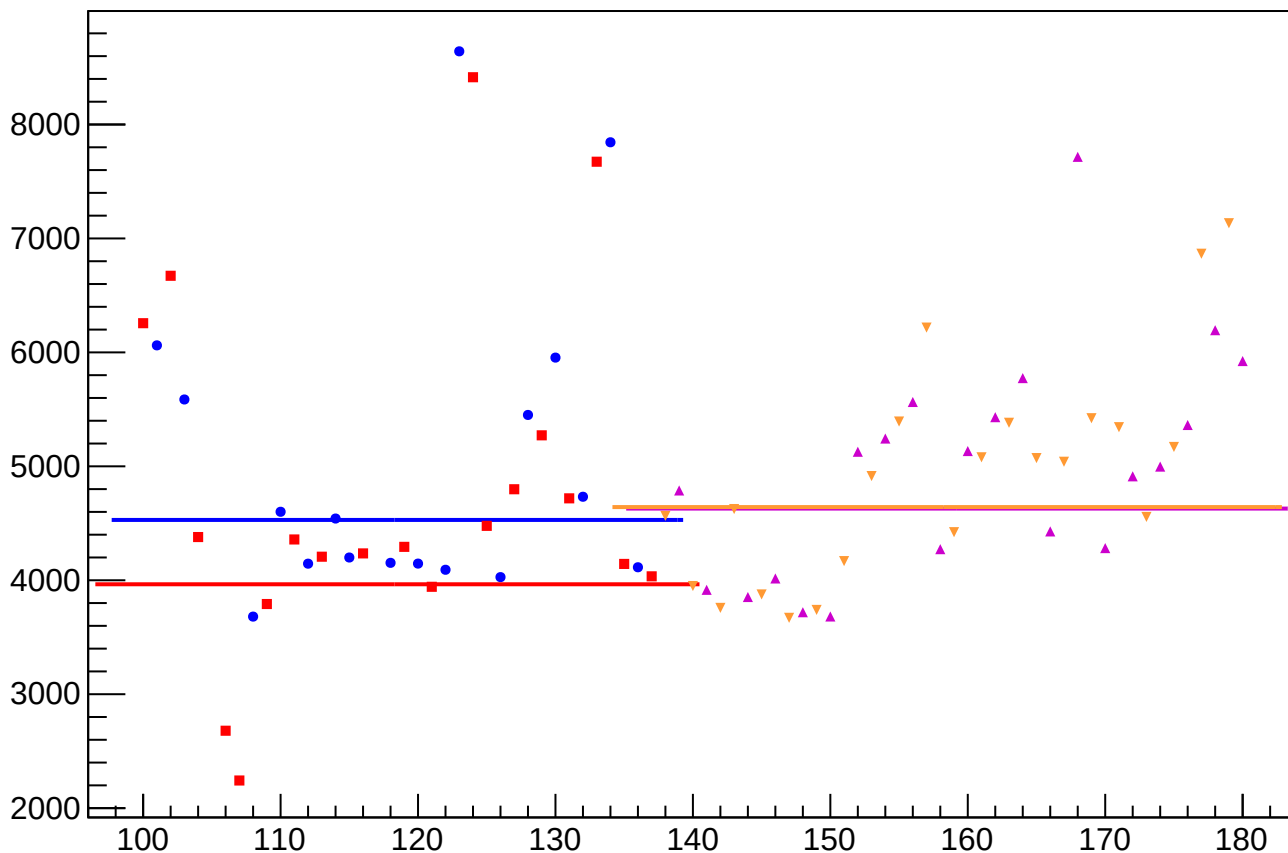
Left In: -5.580 ± 1163.851 χ^2/NDF : 18.1/20

+ sign -270.100 ± 973.912 χ^2/NDF : 40.1/38

All: 352.540 ± 674.873 χ^2/NDF : 72.0/78

- sign 927.700 ± 936.042 χ^2/NDF : 31.1/39

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 ± 1.263 χ^2/NDF : 389326.2/16

Left Out: 4642.327 ± 0.822 χ^2/NDF : 1003675.3/21

Right Out: 3964.829 ± 1.107 χ^2/NDF : 1140409.6/18

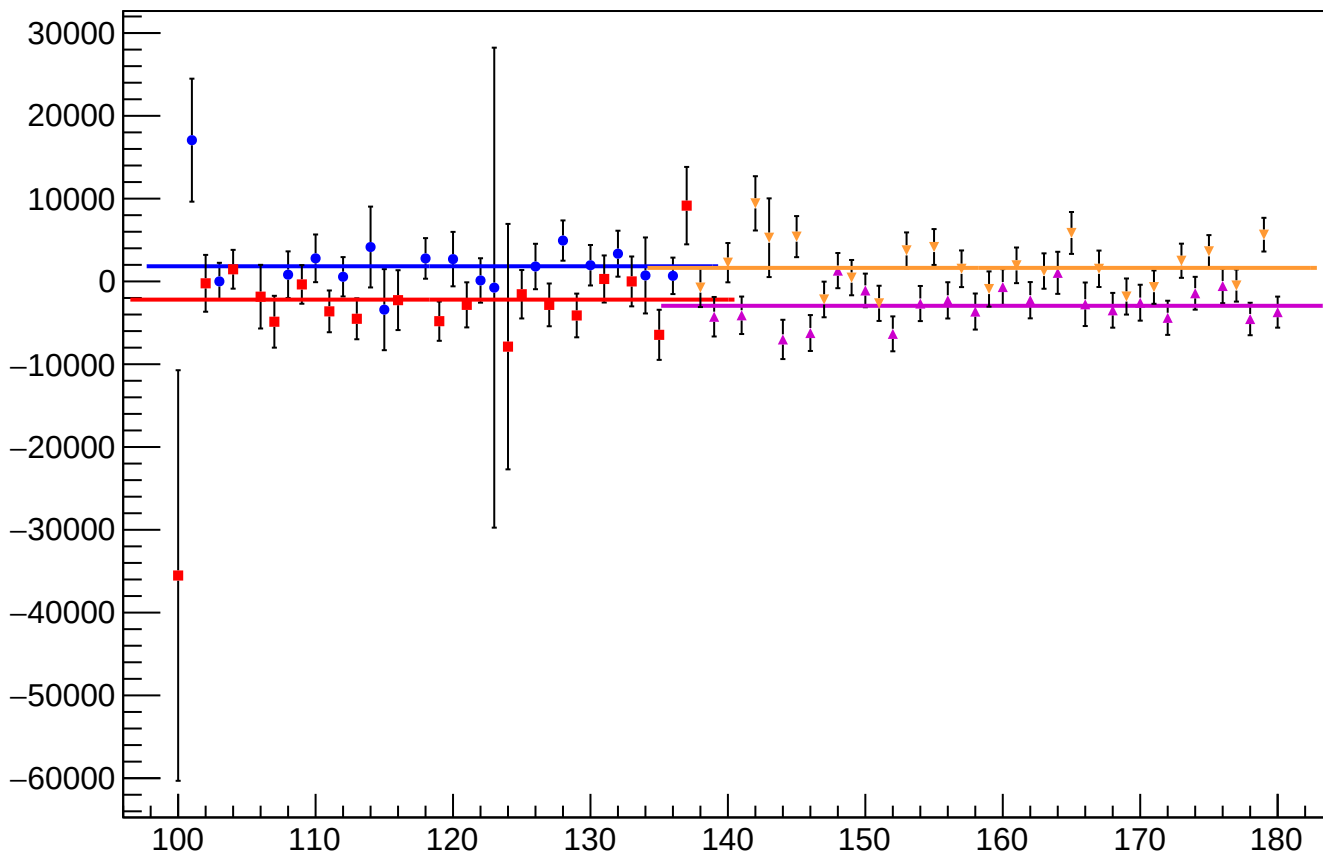
Left In: 4629.137 ± 0.823 χ^2/NDF : 1064457.3/20

+ sign 4608.767 ± 0.689 χ^2/NDF : 1398613.5/38

All: 4496.143 ± 0.477 χ^2/NDF : 3886847.1/78

- sign 4392.580 ± 0.660 χ^2/NDF : 2436894.5/39

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102 ± 711.335 χ^2/NDF : 9.7/16

Left Out: 1634.558 ± 475.502 χ^2/NDF : 33.9/21

Right Out: -2198.063 ± 684.205 χ^2/NDF : 18.3/18

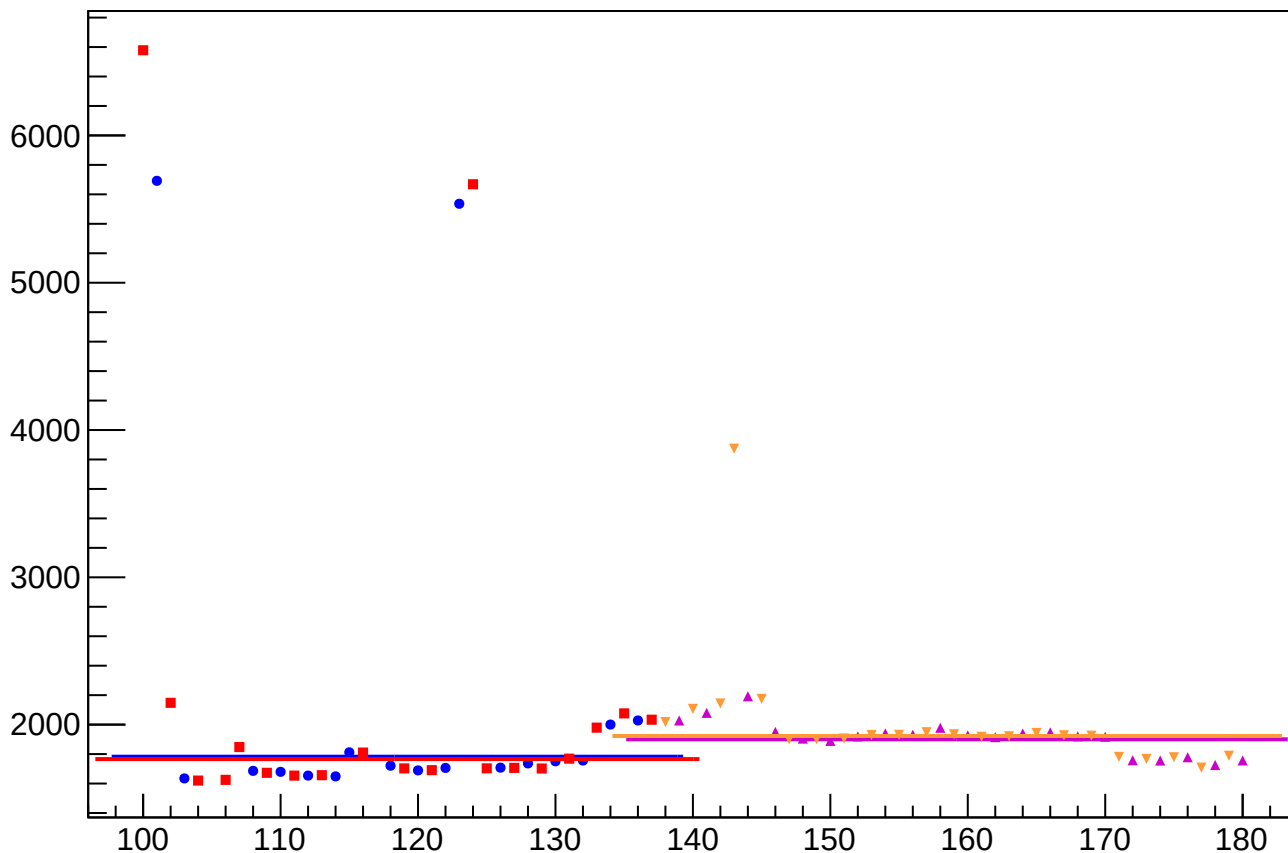
Left In: -2945.014 ± 470.425 χ^2/NDF : 20.4/20

+ sign 1694.950 ± 395.313 χ^2/NDF : 43.6/38

All: -548.266 ± 276.776 χ^2/NDF : 146.3/78

- sign -2705.252 ± 387.641 χ^2/NDF : 39.6/39

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137 $\pm$ 0.503 χ^2 /NDF: 645188.8/16

Left Out: 1922.741 $\pm$ 0.336 χ^2 /NDF: 448241.4/21

Right Out: 1765.967 $\pm$ 0.480 χ^2 /NDF: 306798.2/18

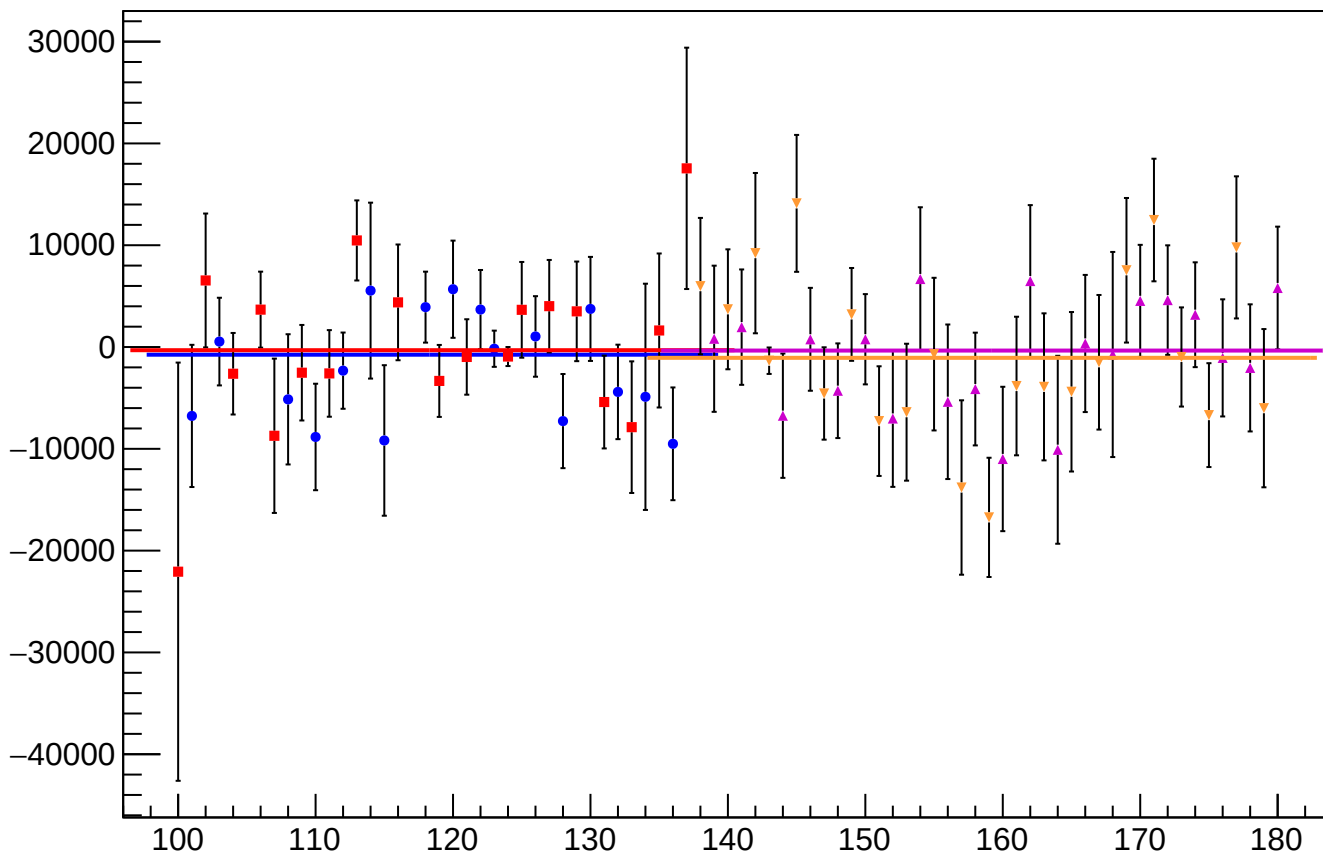
Left In: 1900.362 $\pm$ 0.333 χ^2 /NDF: 109955.9/20

+ sign 1879.317 $\pm$ 0.280 χ^2 /NDF: 1147438.1/38

All: 1867.823 $\pm$ 0.195 χ^2 /NDF: 1620388.1/78

- sign 1856.819 $\pm$ 0.273 χ^2 /NDF: 469640.7/39

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 ± 1008.523 χ^2/NDF : 16.9/16

Left Out: -1061.264 ± 936.254 χ^2/NDF : 32.5/21

Right Out: -311.405 ± 725.132 χ^2/NDF : 22.0/18

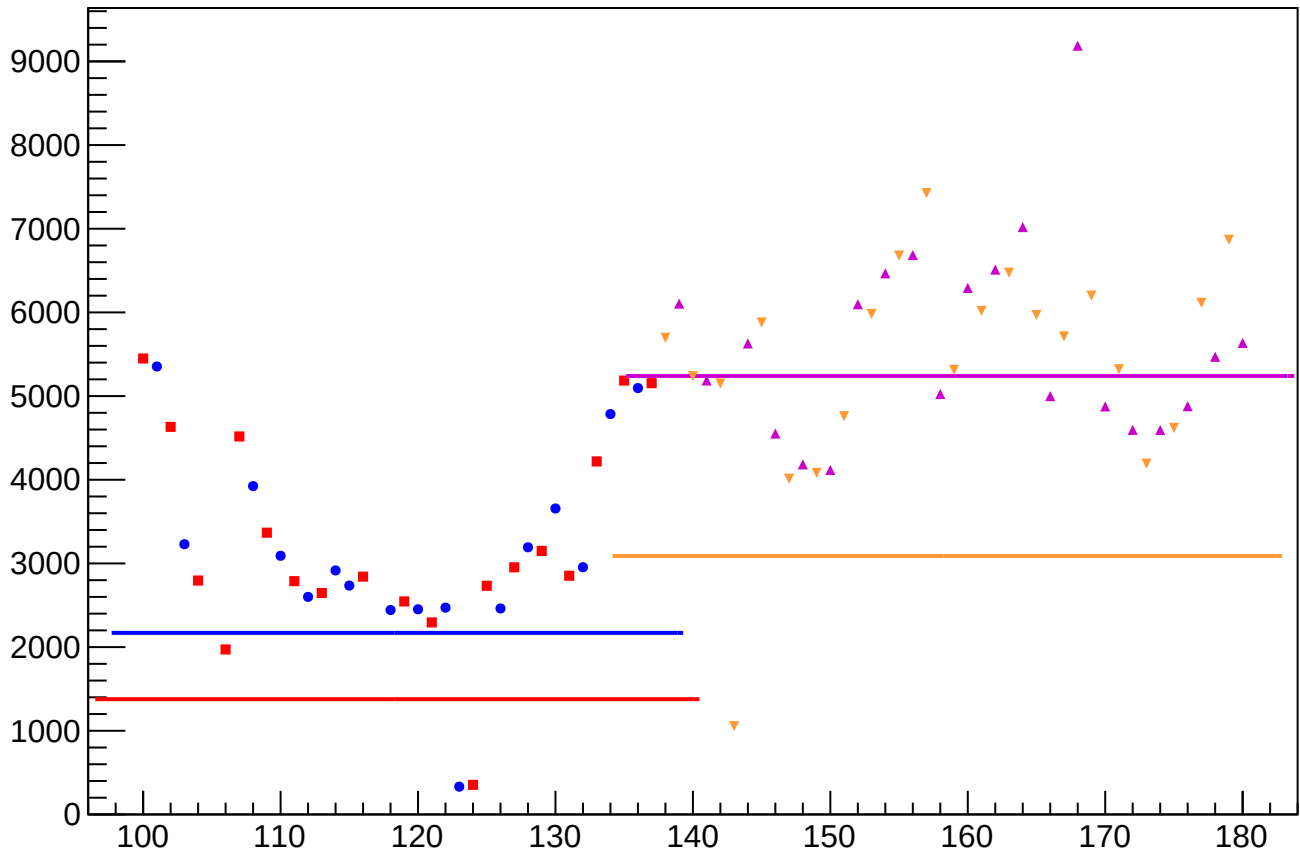
Left In: -347.248 ± 1317.557 χ^2/NDF : 12.5/20

+ sign -918.769 ± 686.160 χ^2/NDF : 49.5/38

All: -596.221 ± 466.160 χ^2/NDF : 84.3/78

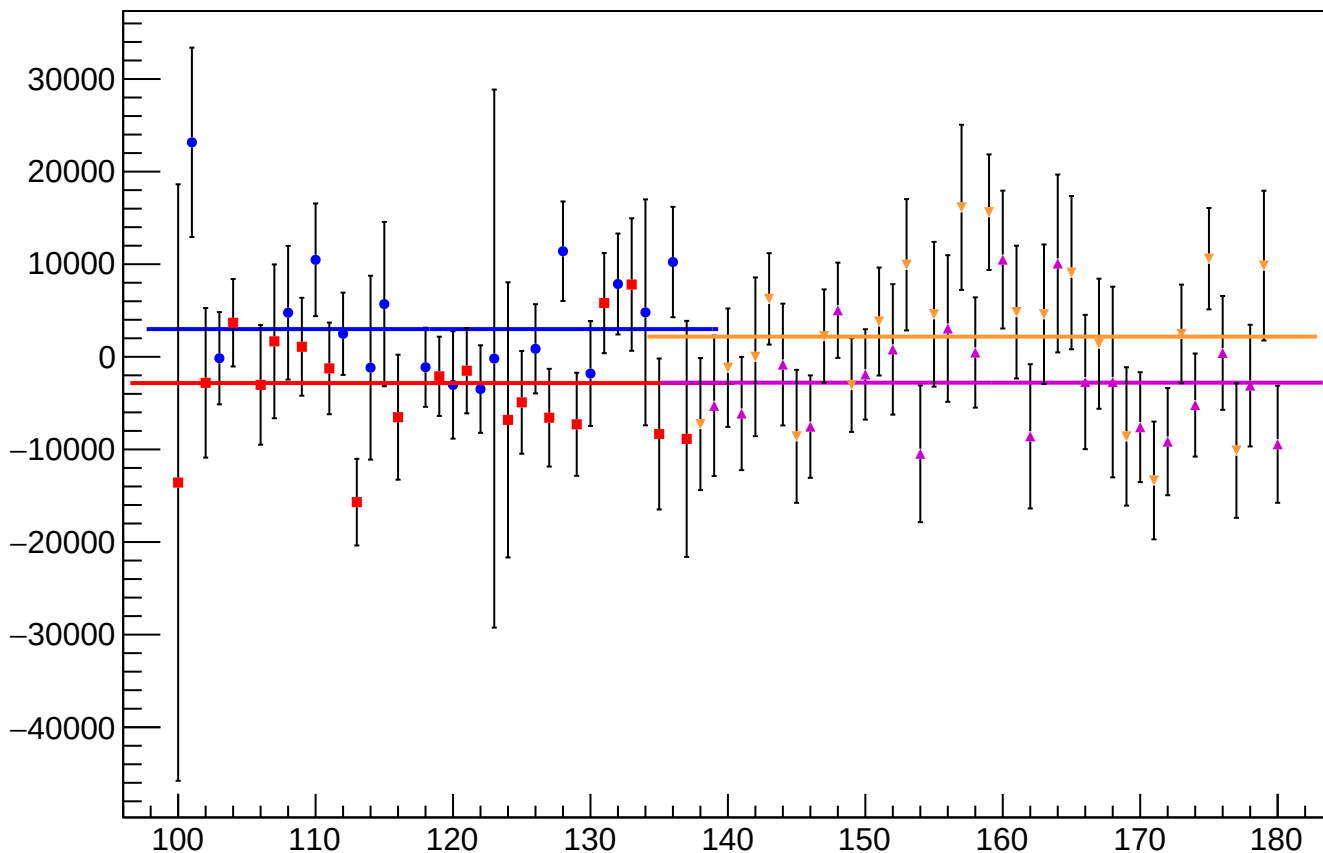
- sign -319.738 ± 635.275 χ^2/NDF : 34.5/39

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713	χ^2/NDF : 3973725.5/16	+ sign 2663.832+/-0.485	χ^2/NDF : 16003184.0/38
Left Out: 3089.217+/-0.662	χ^2/NDF : 11137533.9/21	All: 2454.831+/-0.330	χ^2/NDF : 37436205.8/7
Right Out: 1377.716+/-0.513	χ^2/NDF : 6847297.6/18	- sign 2275.680+/-0.449	χ^2/NDF : 21088411.0/39
Left In: 5240.265+/-0.932	χ^2/NDF : 1048566.6/20		

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 2181.277 $\pm$ 1389.337 χ^2 /NDF:29.7/21

Right Out: -2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

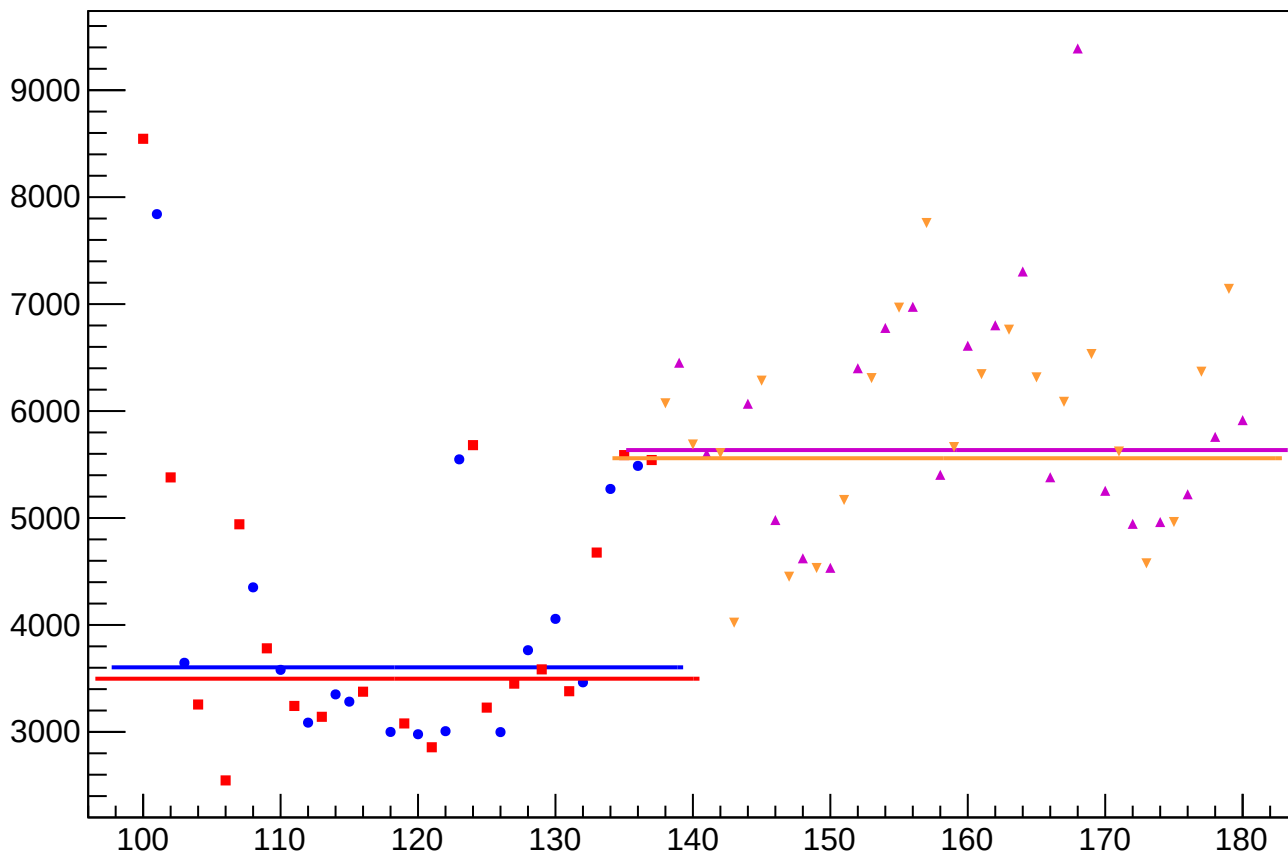
Left In: -2789.879 $\pm$ 1412.269 χ^2 /NDF:14.7/20

+ sign 2570.491 $\pm$ 1002.245 χ^2 /NDF: 45.5/38

All: -162.922 $\pm$ 703.131 χ^2 /NDF: 92.7/78

- sign -2812.160 $\pm$ 986.692 χ^2 /NDF: 32.5/39

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 $\chi^2/\text{NDF}: 784674.5/16$

Left Out: 5558.965 ± 0.982 $\chi^2/\text{NDF}: 953650.2/21$

Right Out: 3497.586 ± 0.962 $\chi^2/\text{NDF}: 661898.6/18$

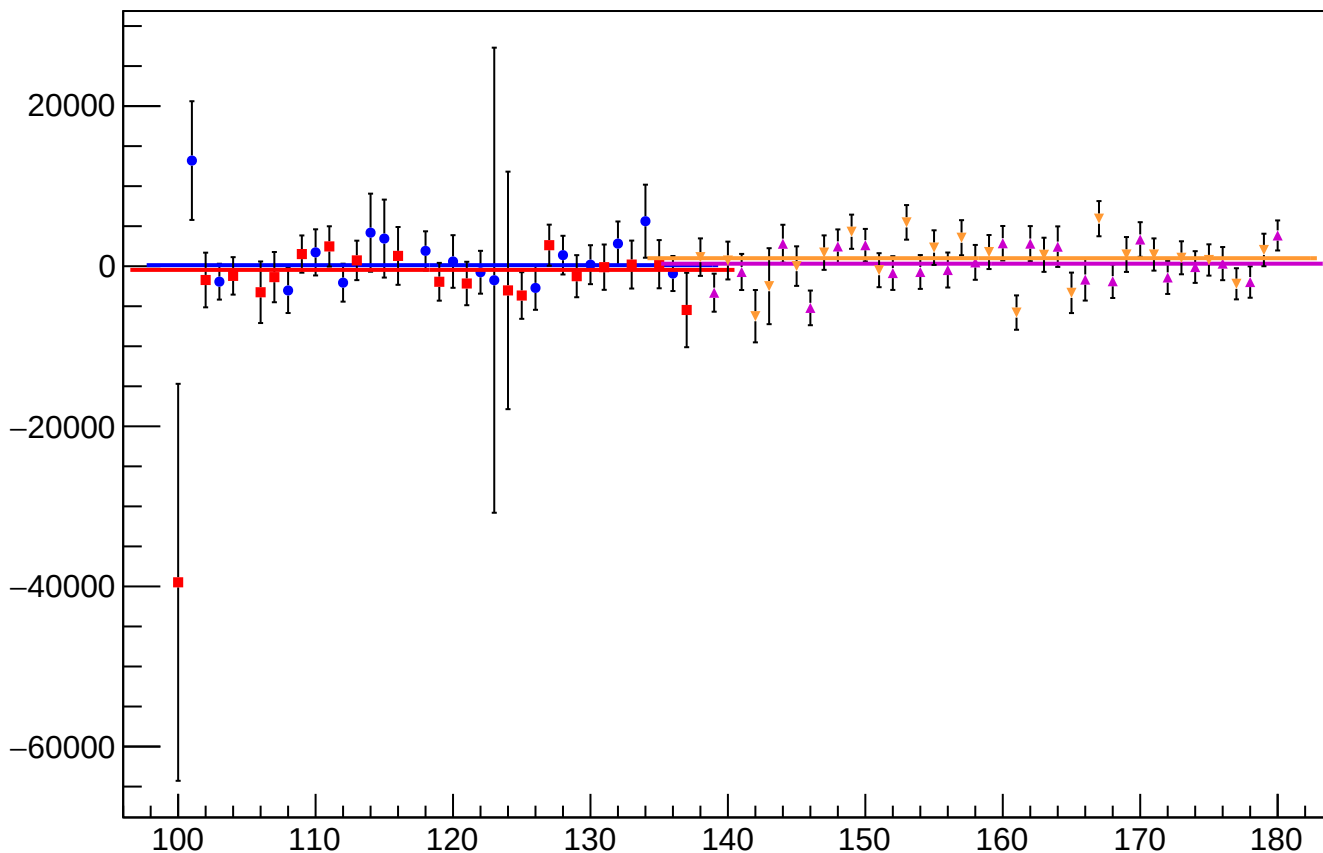
Left In: 5635.293 ± 0.999 $\chi^2/\text{NDF}: 858458.6/20$

+ sign 4621.313 ± 0.709 $\chi^2/\text{NDF}: 3637701.0/38$

All: 4572.622 ± 0.495 $\chi^2/\text{NDF}: 7544944.0/78$

- sign 4526.105 ± 0.693 $\chi^2/\text{NDF}: 3898012.8/39$

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1000.659 $\pm$ 474.629 χ^2 /NDF: 35.9/21

Right Out: -459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

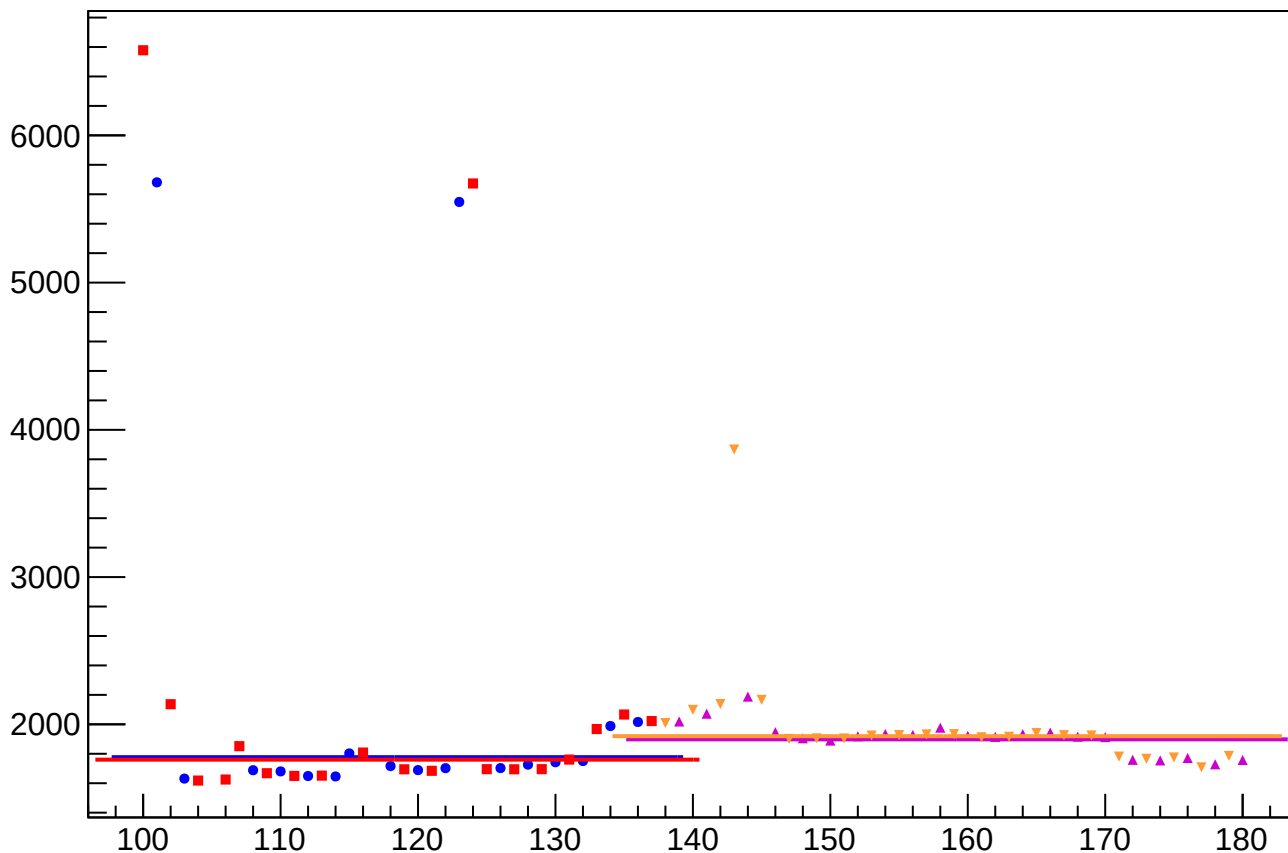
Left In: 314.869 $\pm$ 469.792 χ^2 /NDF: 25.8/20

+ sign 731.616 $\pm$ 394.446 χ^2 /NDF: 49.1/38

All: 392.212 $\pm$ 276.193 χ^2 /NDF: 87.9/78

- sign 65.743 $\pm$ 386.856 χ^2 /NDF: 37.4/39

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 1919.368+/-0.336 χ^2/NDF : 444597.8/21

Right Out: 1759.990+/-0.479 χ^2/NDF : 306154.6/18

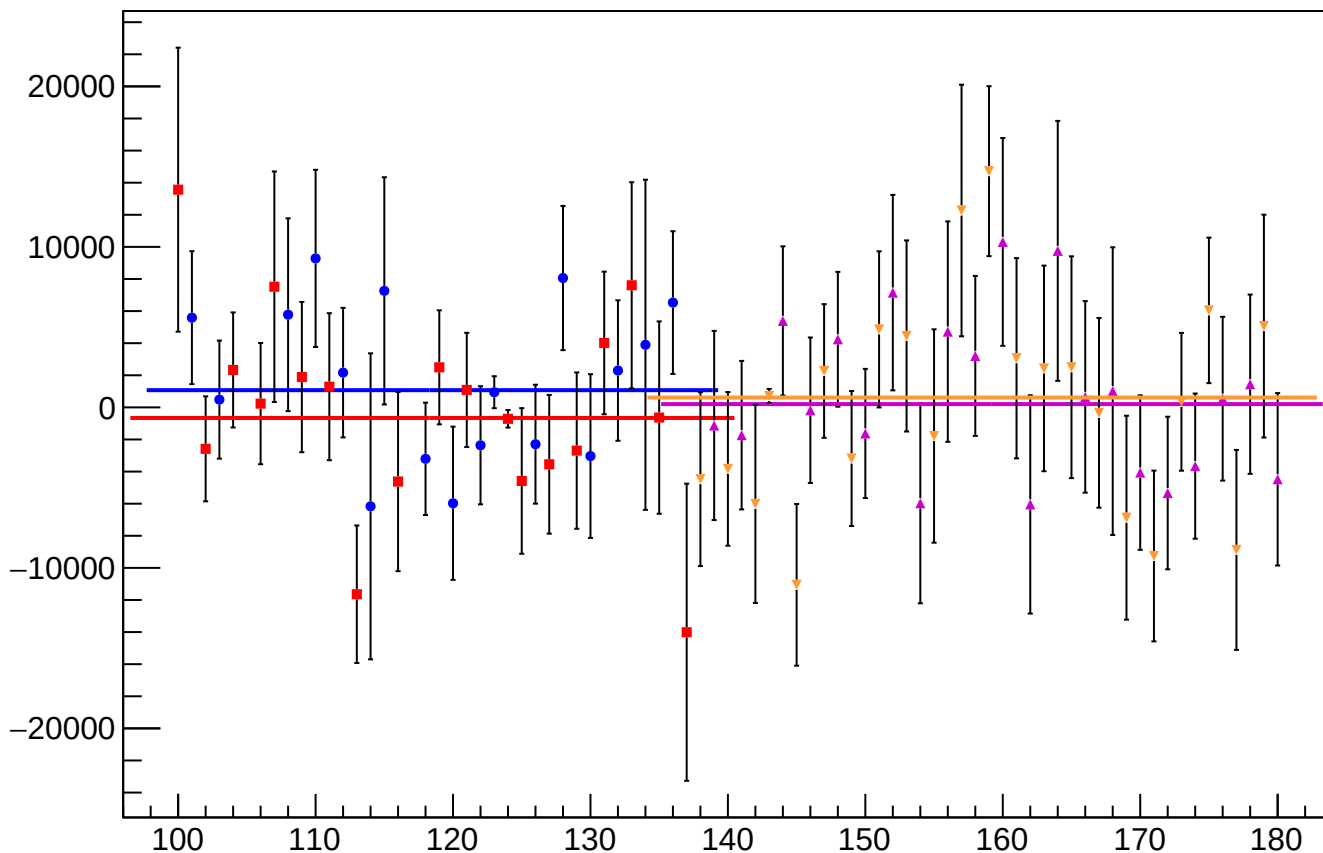
Left In: 1897.910+/-0.332 χ^2/NDF : 106761.3/20

+ sign 1875.291+/-0.279 χ^2/NDF : 1143933.4/38

All: 1863.956+/-0.195 χ^2/NDF : 1616086.3/78

- sign 1853.101+/-0.273 χ^2/NDF : 468919.5/39

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194 $\pm$ 752.280 χ^2 /NDF: 15.6/16

Left Out: 613.602 $\pm$ 411.592 χ^2 /NDF: 29.2/21

Right Out: -658.759 $\pm$ 488.034 χ^2 /NDF: 19.8/18

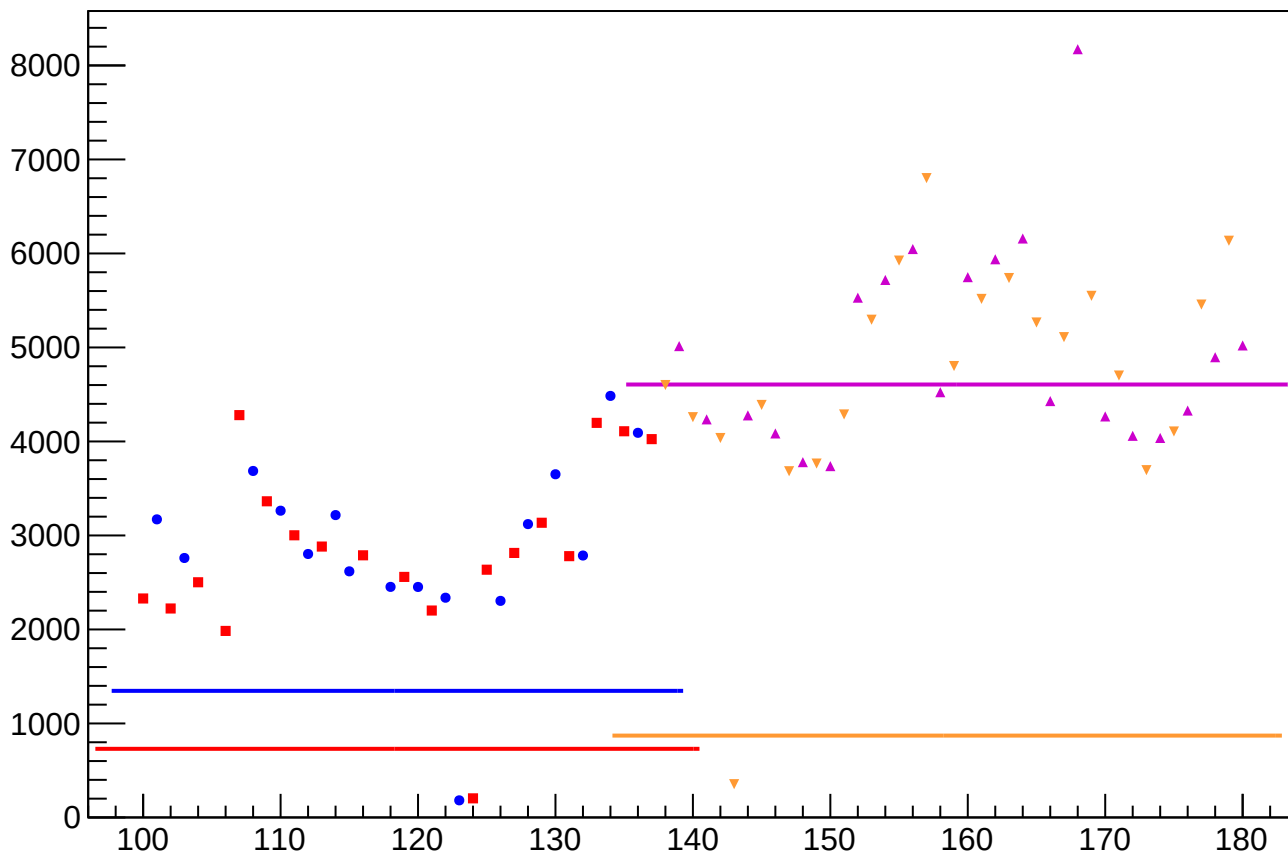
Left In: 204.924 $\pm$ 1157.963 χ^2 /NDF: 14.1/20

+ sign 719.254 $\pm$ 361.080 χ^2 /NDF: 45.1/38

All: 230.185 $\pm$ 281.559 χ^2 /NDF: 84.1/78

- sign -528.485 $\pm$ 449.724 χ^2 /NDF: 34.3/39

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 870.874 $\pm$ 0.291 χ^2 /NDF: 23919895.6/21

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

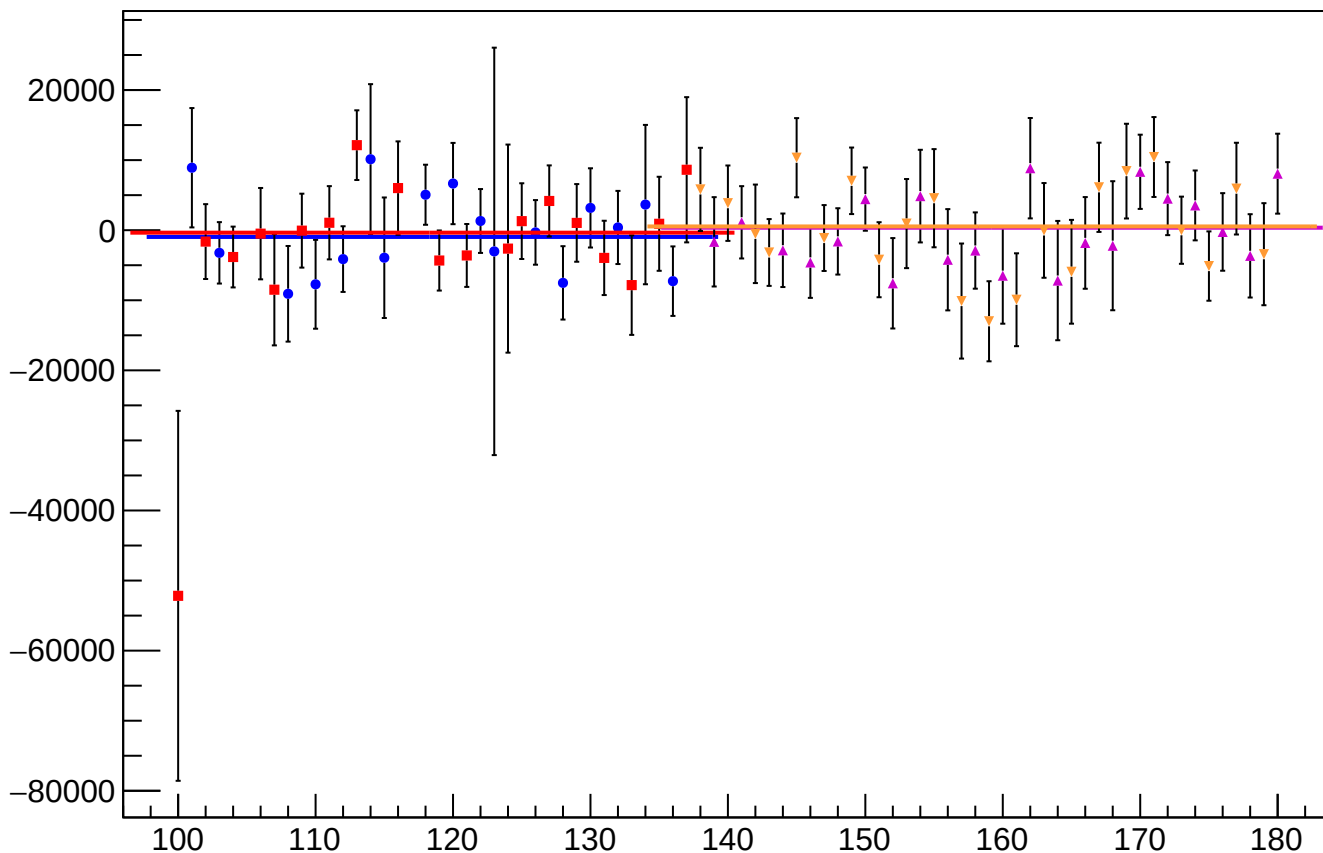
Left In: 4605.753 $\pm$ 0.819 χ^2 /NDF: 1050040.4/20

+ sign 980.527 $\pm$ 0.255 χ^2 /NDF: 31375164.1/38

All: 1111.511 $\pm$ 0.199 χ^2 /NDF: 61624473.5/7

- sign 1314.701 $\pm$ 0.318 χ^2 /NDF: 29577863.5/39

asym_atr1l2_dd_mean vs Slug



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 533.922+/-1249.660 χ^2/NDF : 25.9/21

Right Out: -354.646+/-1329.760 χ^2/NDF : 17.6/18

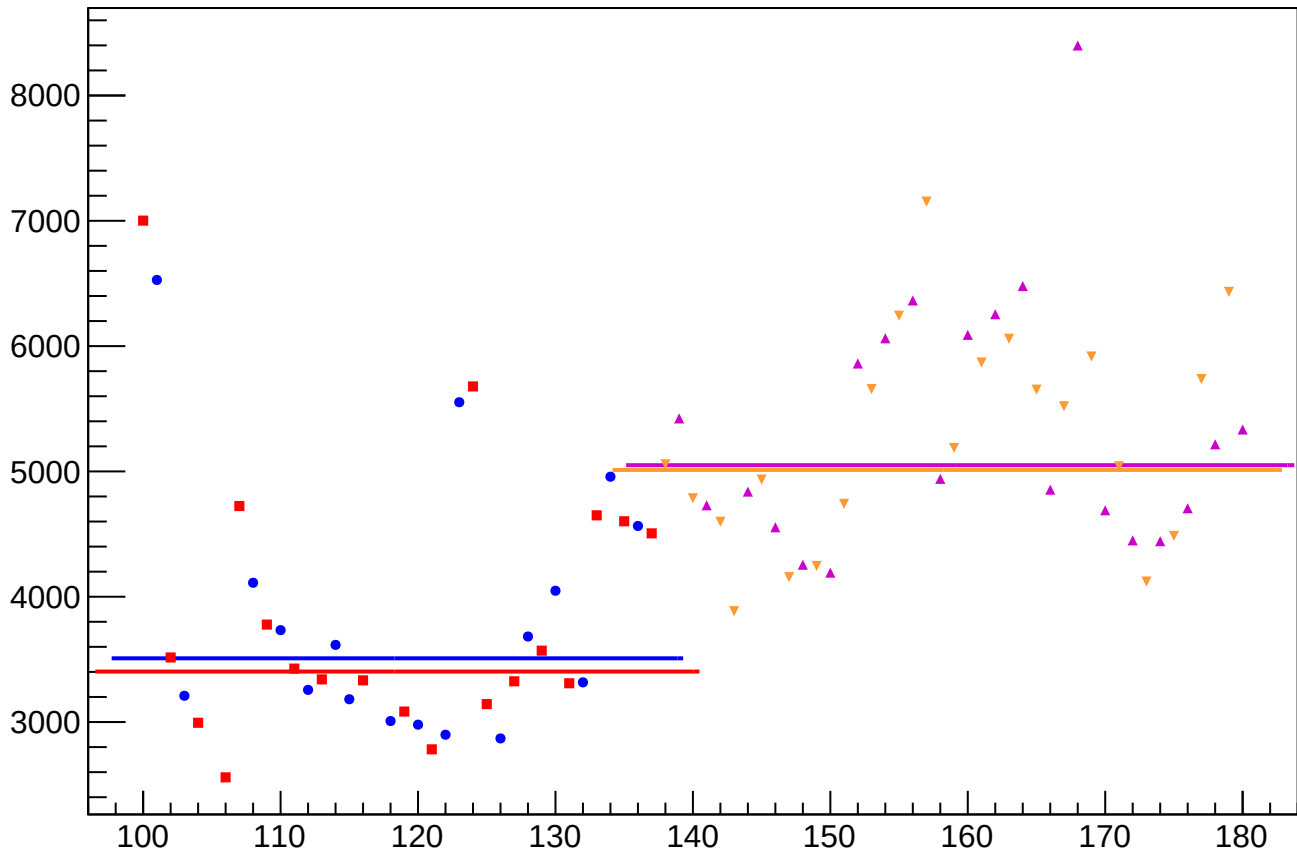
Left In: 354.749+/-1264.527 χ^2/NDF : 14.2/20

+ sign -132.702+/-930.986 χ^2/NDF : 40.3/38

All: -56.219+/-653.070 χ^2/NDF : 72.3/78

- sign 17.878+/-916.349 χ^2/NDF : 31.9/39

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 5011.740+/-0.884 χ^2/NDF : 804102.7/21

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

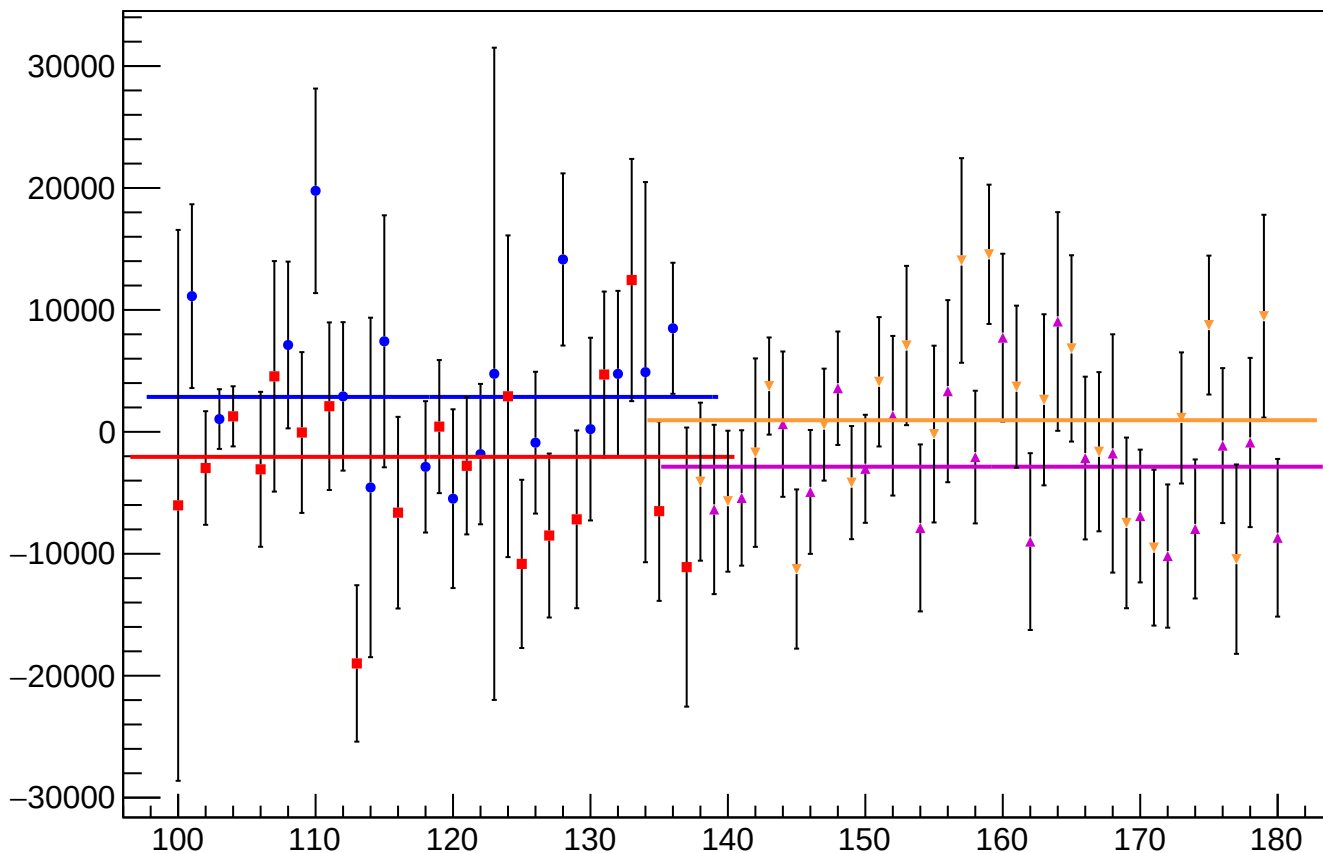
Left In: 5049.695+/-0.894 χ^2/NDF : 816332.1/20

+ sign 4342.805+/-0.658 χ^2/NDF : 2654145.5/38

All: 4298.938+/-0.460 χ^2/NDF : 5540559.2/78

- sign 4256.965+/-0.644 χ^2/NDF : 2877724.6/39

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 953.171+/-1292.509 χ^2/NDF : 26.8/21

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

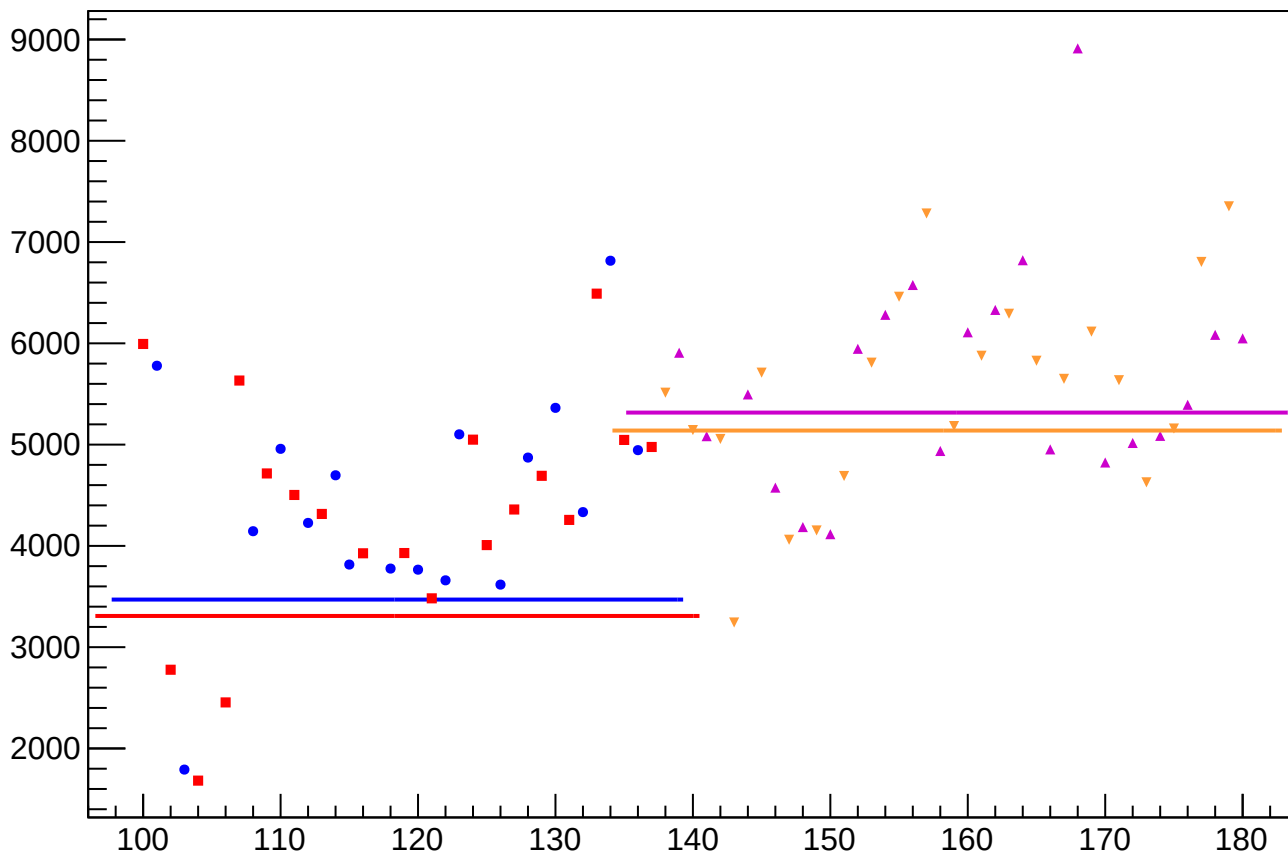
Left In: -2858.486+/-1333.888 χ^2/NDF : 13.3/20

+ sign 1797.829+/-965.618 χ^2/NDF : 41.8/38

All: -348.895+/-680.664 χ^2/NDF : 82.8/78

- sign -2469.022+/-959.617 χ^2/NDF : 31.2/39

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5138.907 $\pm$ 0.914 χ^2 /NDF:1317724.3/21

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5316.249 $\pm$ 0.943 χ^2 /NDF:926126.3/20

+ sign 4401.483 $\pm$ 0.683 χ^2 /NDF: 4551918.8/38

All: 4369.551 $\pm$ 0.480 χ^2 /NDF: 9600526.7/78

- sign 4338.293 $\pm$ 0.676 χ^2 /NDF: 5044279.7/39

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

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

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

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

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

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

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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



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

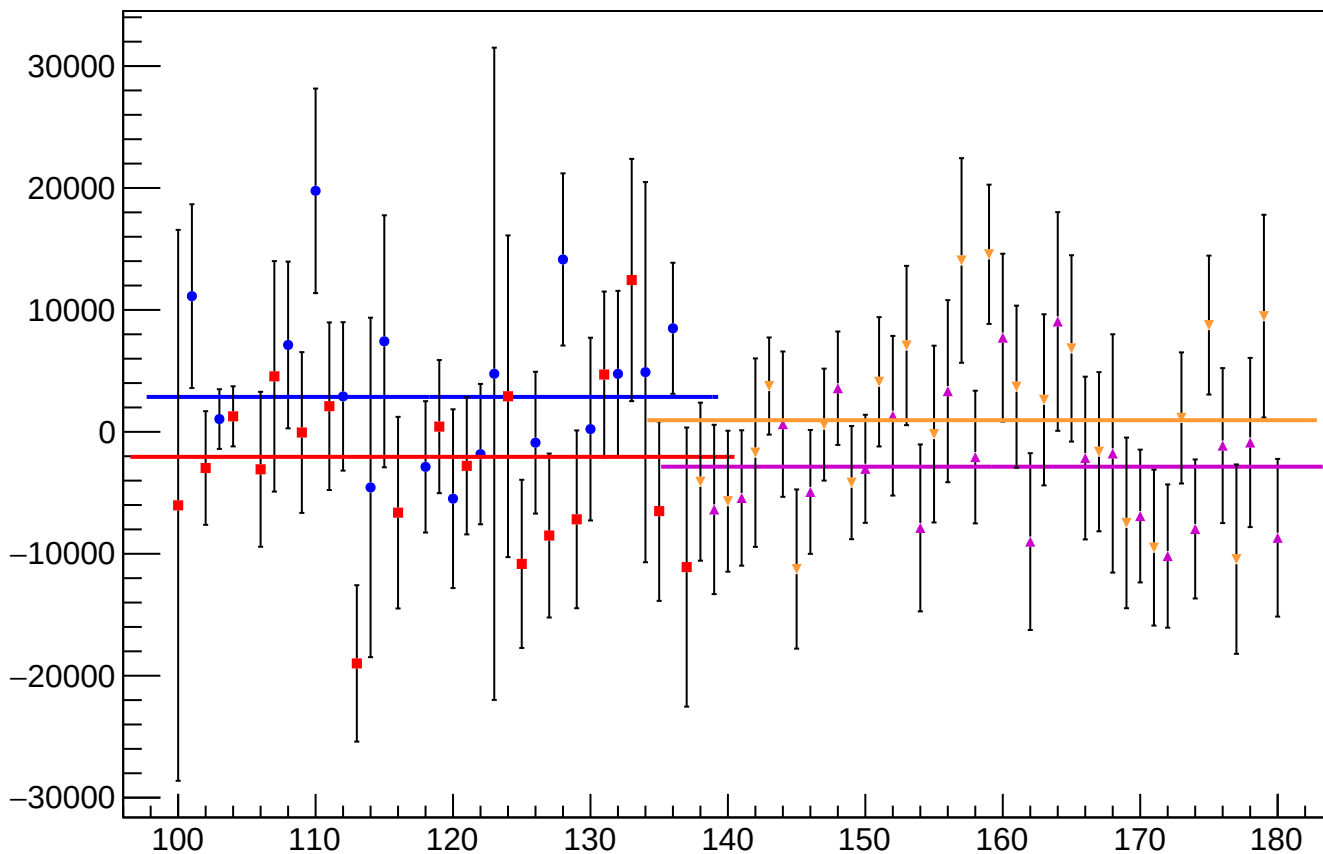
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 0.000+/-0.000 χ^2 /NDF: 0.0/0

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 953.171+/-1292.509 χ^2/NDF : 26.8/21

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

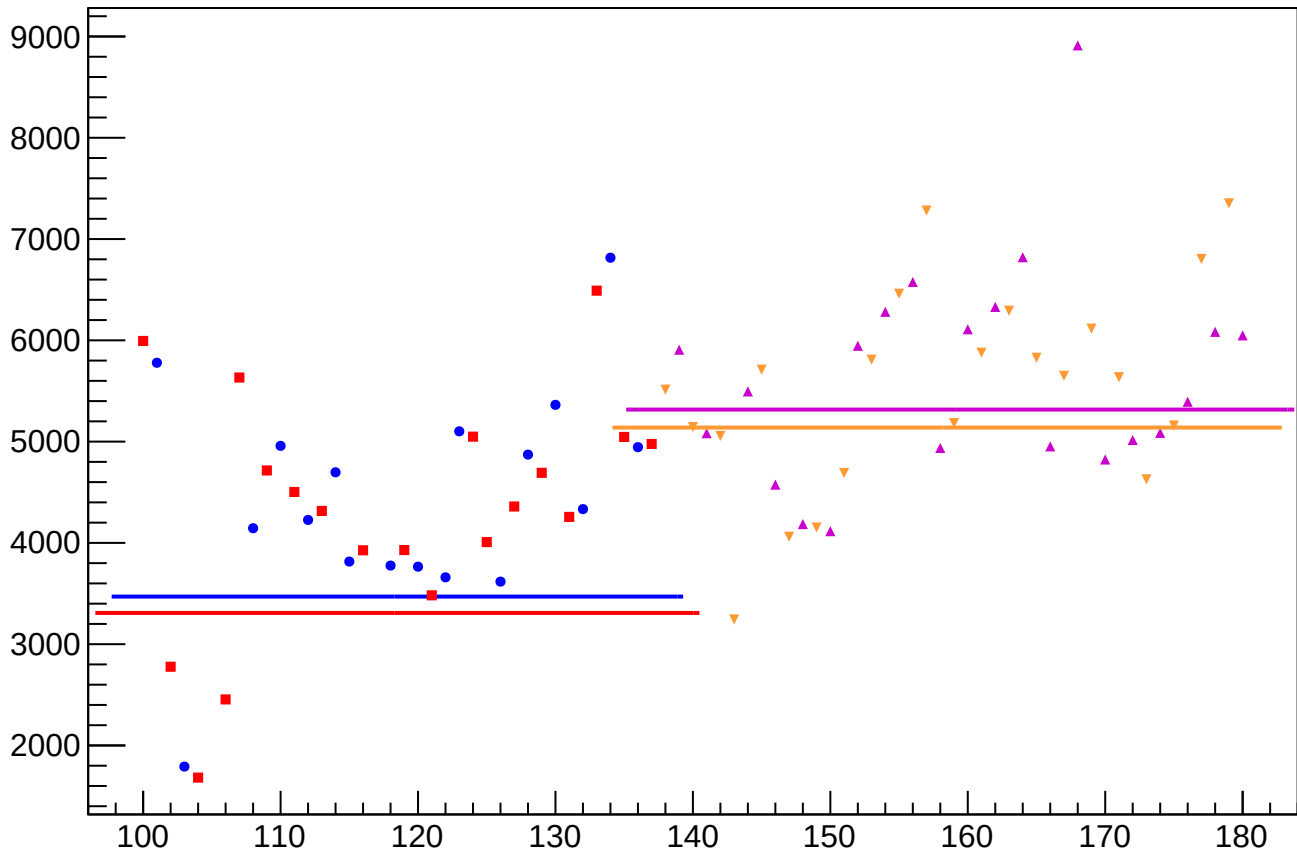
Left In: -2858.486+/-1333.888 χ^2/NDF : 13.3/20

+ sign 1797.829+/-965.618 χ^2/NDF : 41.8/38

All: -348.895+/-680.664 χ^2/NDF : 82.8/78

- sign -2469.022+/-959.617 χ^2/NDF : 31.2/39

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5138.907 $\pm$ 0.914 χ^2 /NDF: 1317724.3/21

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

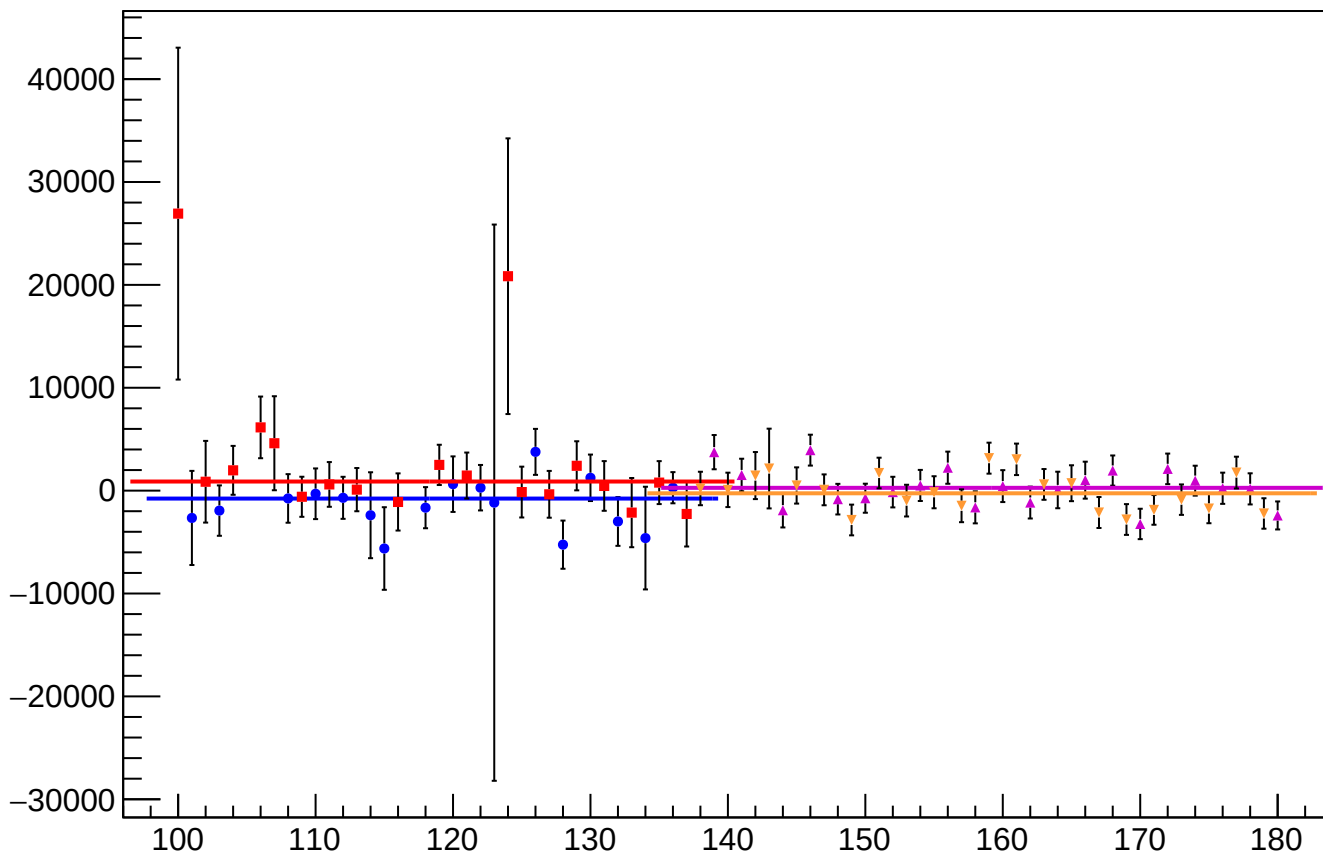
Left In: 5316.249 $\pm$ 0.943 χ^2 /NDF: 926126.3/20

+ sign 4401.483 $\pm$ 0.683 χ^2 /NDF: 4551918.8/38

All: 4369.551 $\pm$ 0.480 χ^2 /NDF: 9600526.7/78

- sign 4338.293 $\pm$ 0.676 χ^2 /NDF: 5044279.7/39

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -259.337+/-338.575 χ^2/NDF : 27.7/21

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

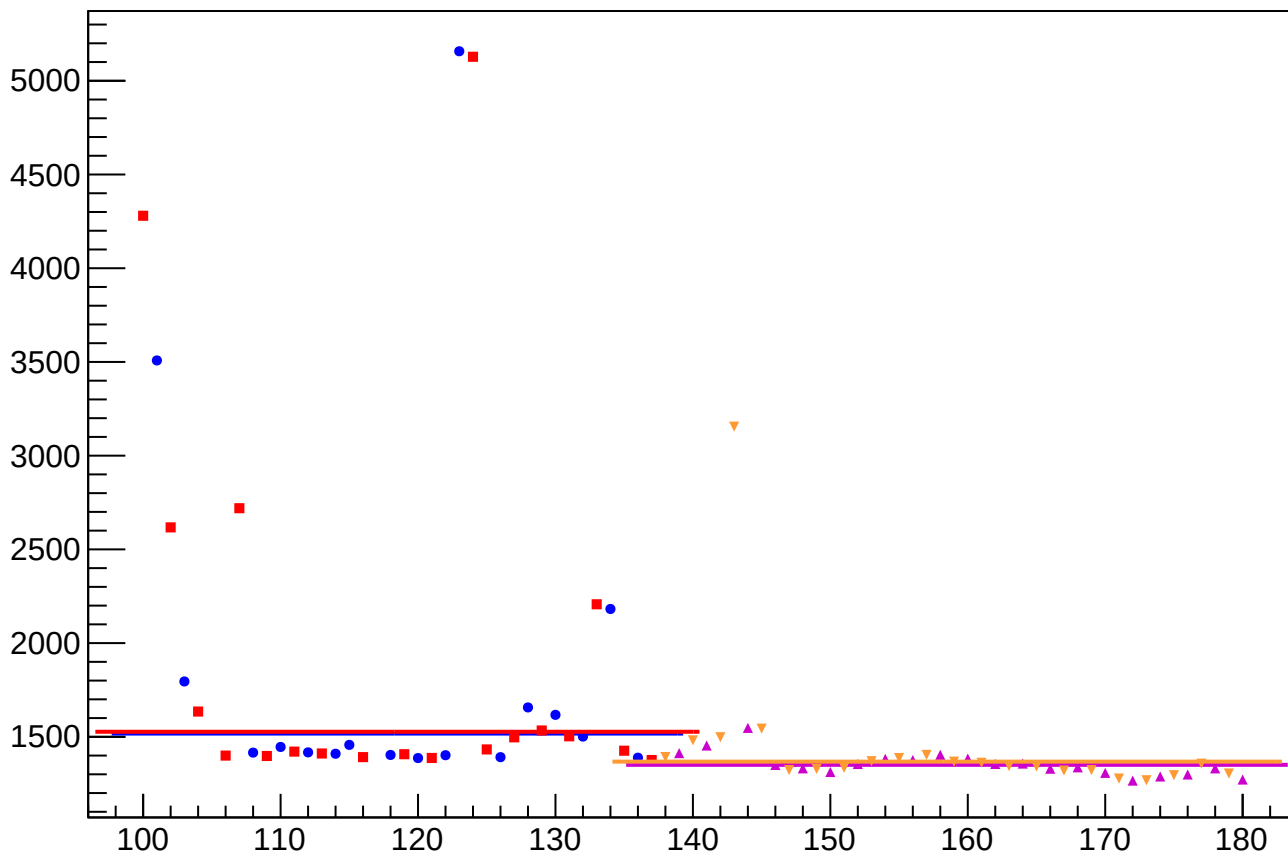
Left In: 271.700+/-334.336 χ^2/NDF : 30.5/20

+ sign -381.804+/-295.302 χ^2/NDF : 41.6/38

All: 23.760+/-207.445 χ^2/NDF : 90.1/78

- sign 418.890+/-291.479 χ^2/NDF : 44.8/39

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334 ± 0.427 χ^2/NDF : 536662.7/16

Left Out: 1367.633 ± 0.239 χ^2/NDF : 497518.1/21

Right Out: 1527.005 ± 0.421 χ^2/NDF : 631684.2/18

Left In: 1350.558 ± 0.236 χ^2/NDF : 66974.6/20

+ sign 1403.453 ± 0.209 χ^2/NDF : 1127739.0/38

All: 1398.106 ± 0.147 χ^2/NDF : 1961352.0/78

- sign 1392.895 ± 0.206 χ^2/NDF : 832318.0/39

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



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

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

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

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

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

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

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

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



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

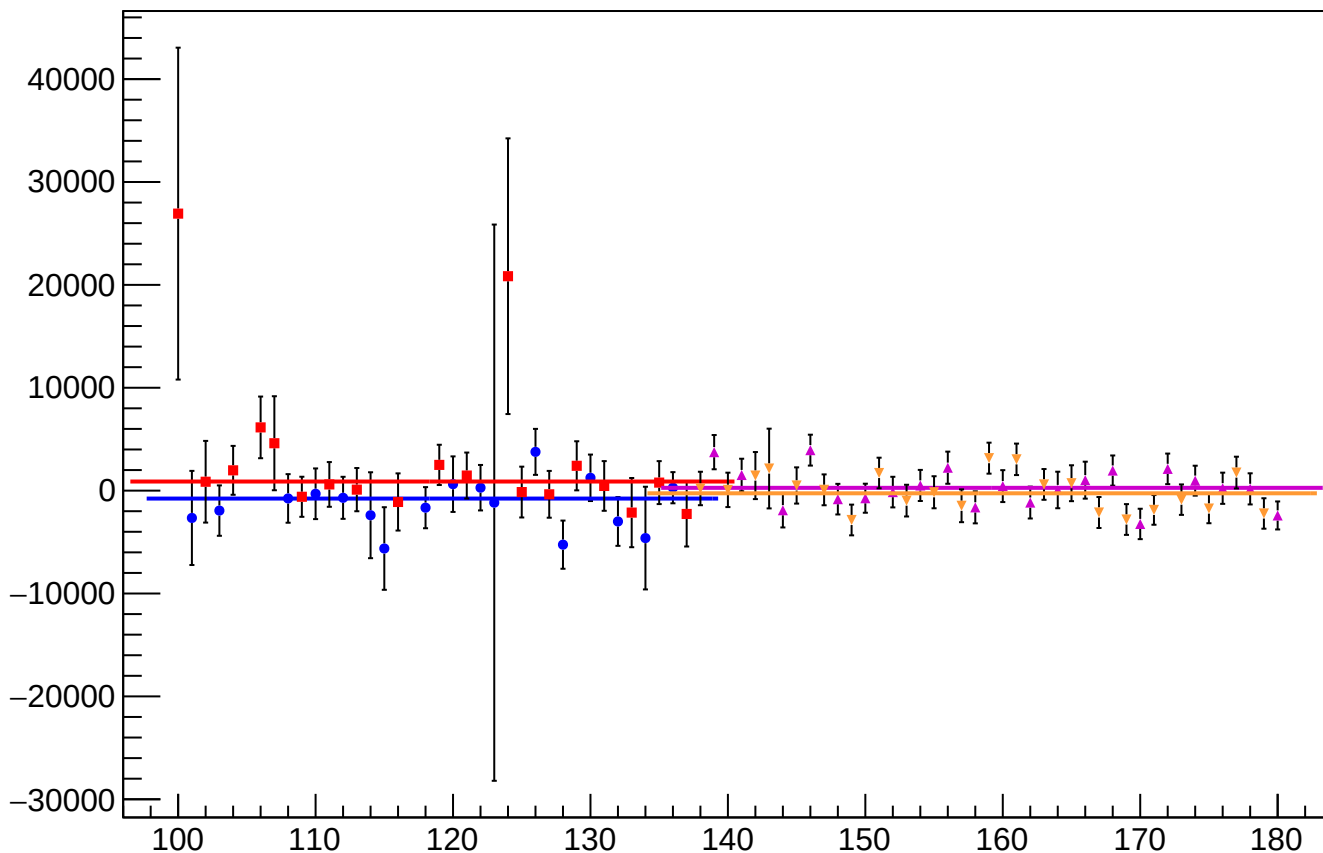
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -259.337+/-338.575 χ^2/NDF : 27.7/21

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

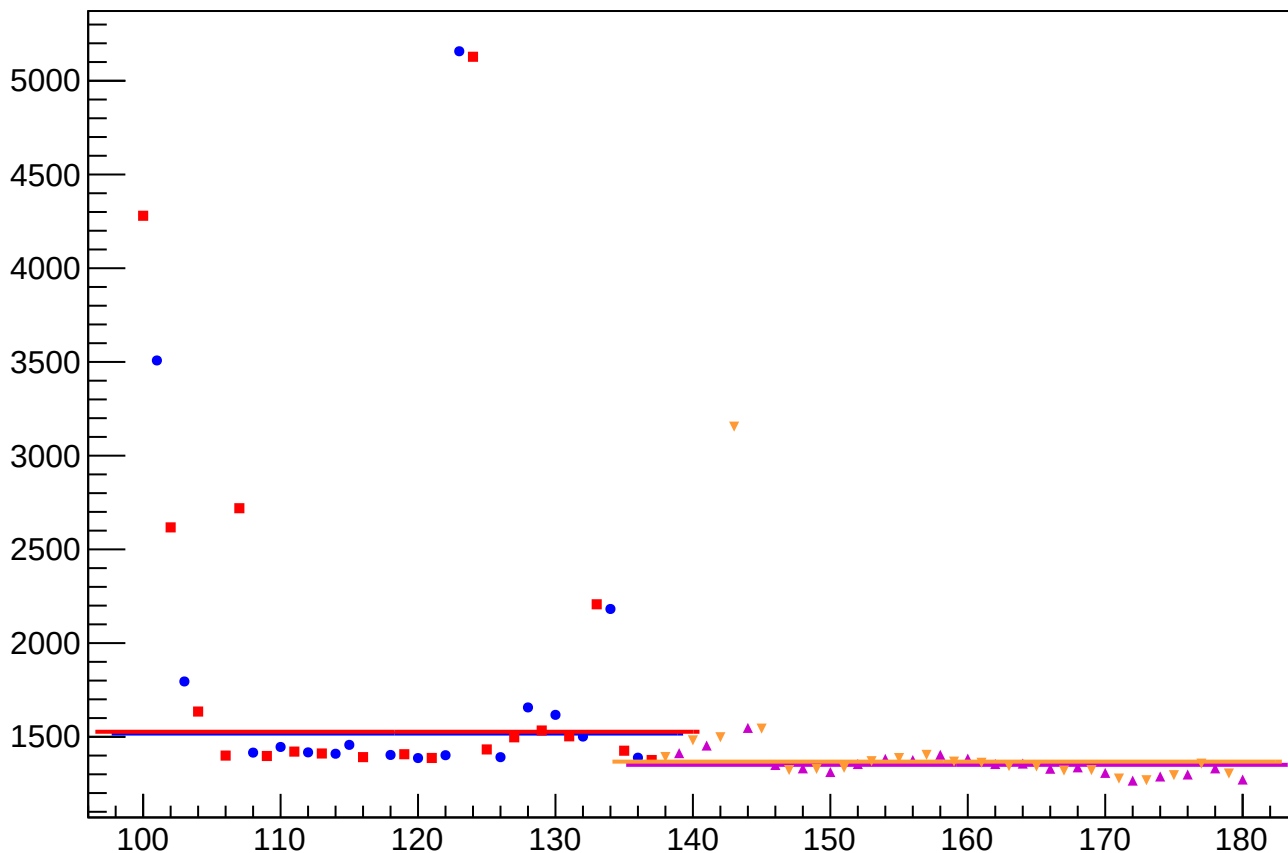
Left In: 271.700+/-334.336 χ^2/NDF : 30.5/20

+ sign -381.804+/-295.302 χ^2/NDF : 41.6/38

All: 23.760+/-207.445 χ^2/NDF : 90.1/78

- sign 418.890+/-291.479 χ^2/NDF : 44.8/39

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1367.633+/-0.239 χ^2/NDF : 497518.1/21

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

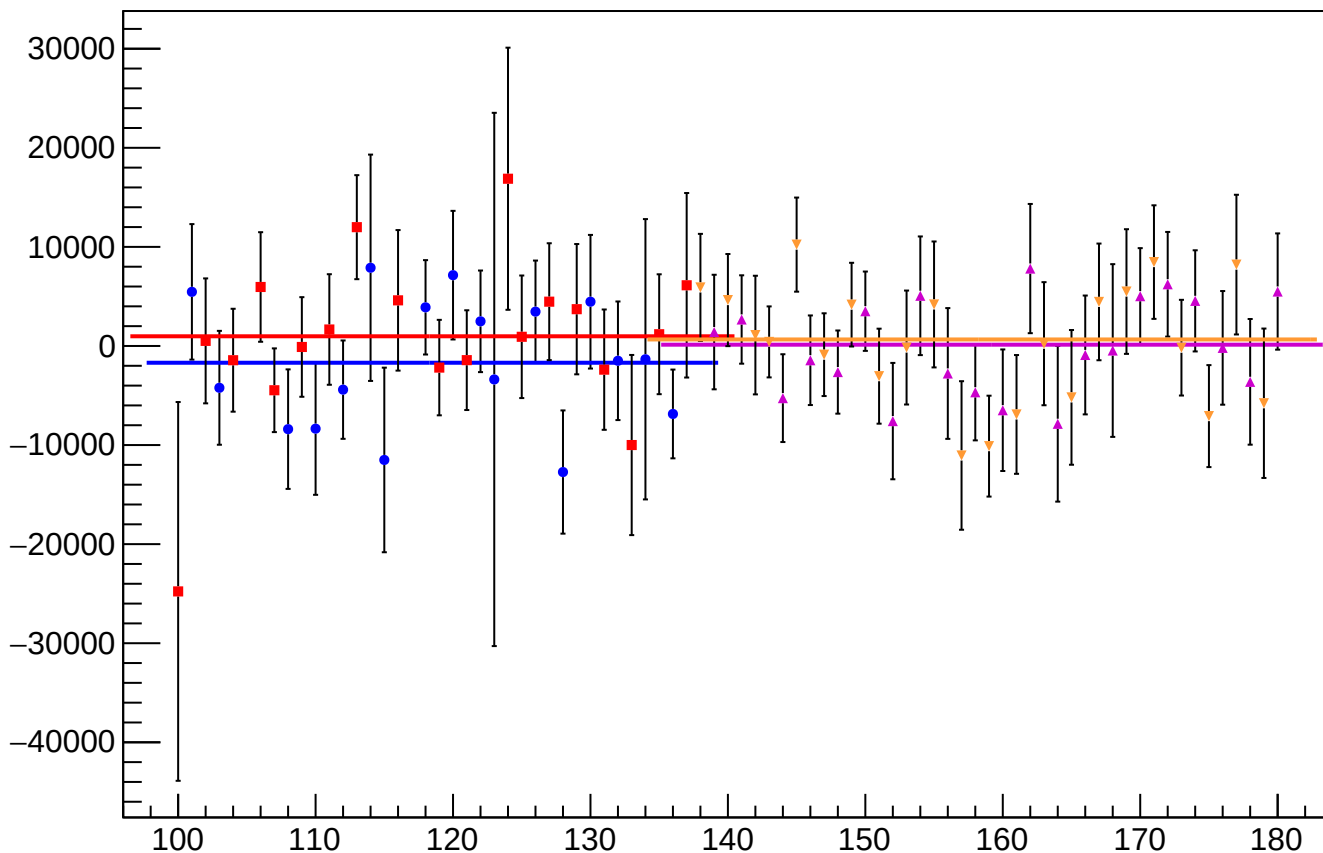
Left In: 1350.558+/-0.236 χ^2/NDF : 66974.6/20

+ sign 1403.453+/-0.209 χ^2/NDF : 1127739.0/38

All: 1398.106+/-0.147 χ^2/NDF : 1961352.0/78

- sign 1392.895+/-0.206 χ^2/NDF : 832318.0/39

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 657.732 ± 1134.288 χ^2/NDF : 23.8/21

Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

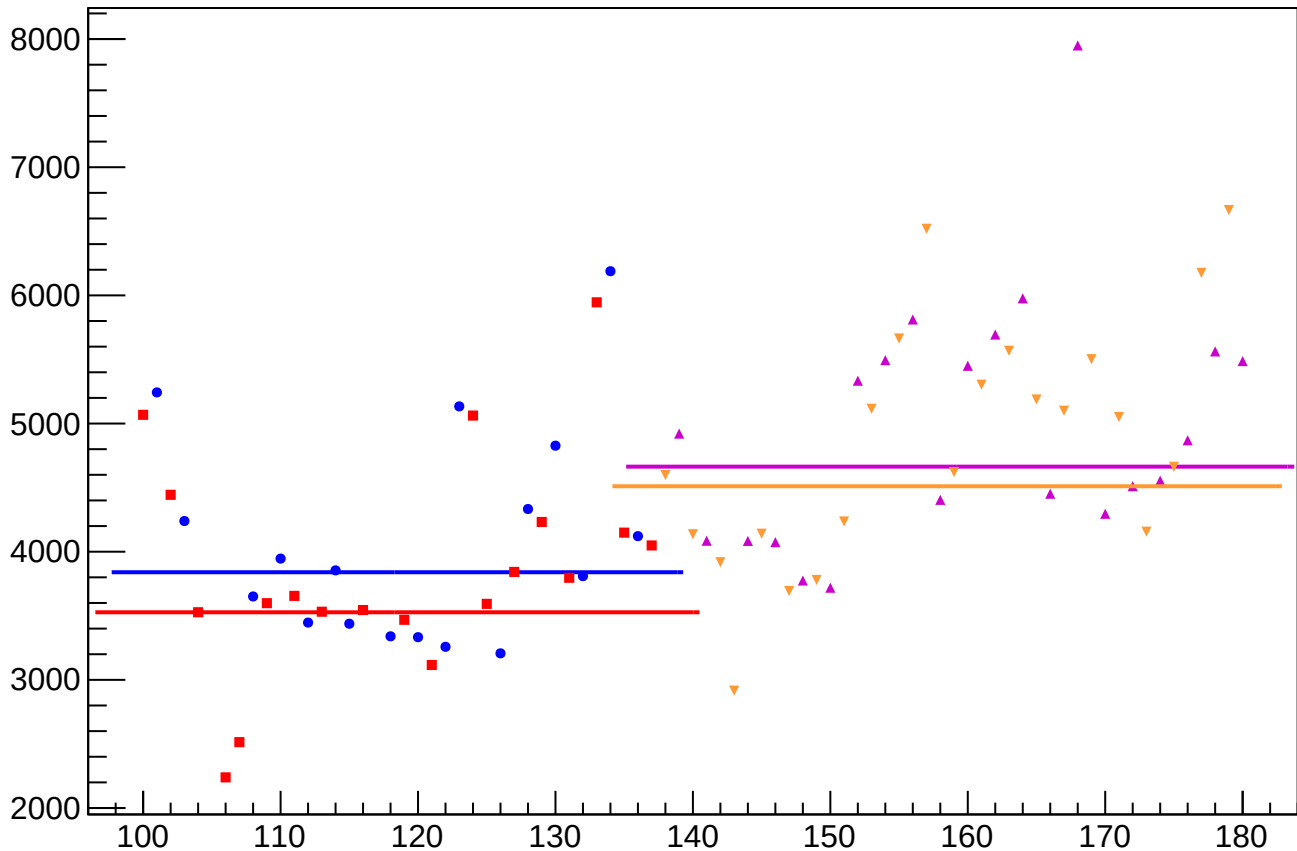
Left In: 129.995 ± 1170.499 χ^2/NDF : 14.6/20

+ sign -187.994 ± 907.549 χ^2/NDF : 41.2/38

All: 154.241 ± 636.289 χ^2/NDF : 70.2/78

- sign 485.103 ± 892.342 χ^2/NDF : 28.8/39

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751 $\pm$ 1.070 χ^2 /NDF: 325959.2/16

Left Out: 4510.737 $\pm$ 0.802 χ^2 /NDF:1304938.9/21

Right Out: 3527.320 $\pm$ 0.966 χ^2 /NDF: 554785.4/18

Left In: 4663.672 $\pm$ 0.828 χ^2 /NDF:959418.8/20

+ sign 4269.287 $\pm$ 0.642 χ^2 /NDF: 1882738.1/38

All: 4225.097 $\pm$ 0.449 χ^2 /NDF: 4204078.9/78

- sign 4182.702 $\pm$ 0.629 χ^2 /NDF: 2312049.8/39

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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

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

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

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

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

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

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

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



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

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

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

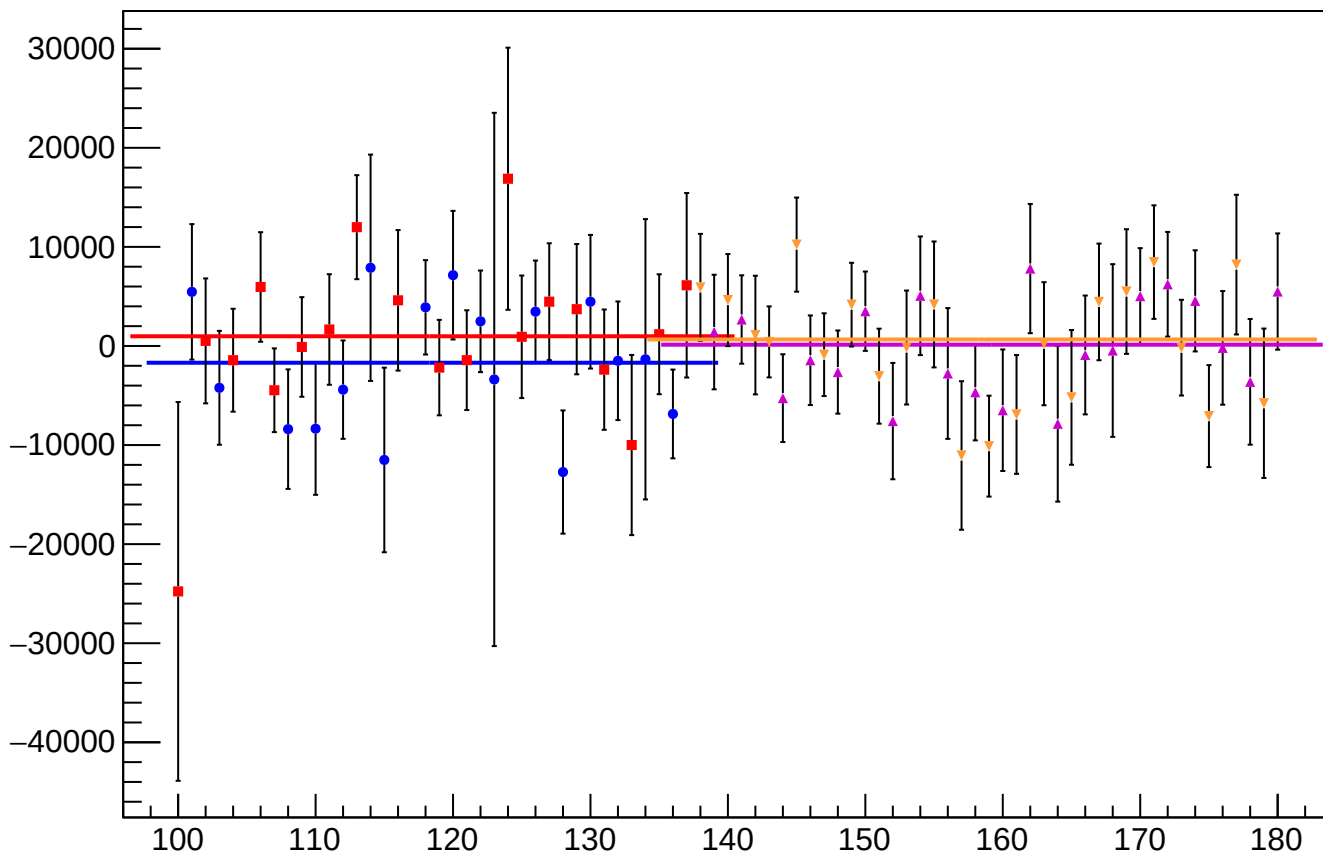
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 657.732+/-1134.288 χ^2/NDF : 23.8/21

Right Out: 977.899+/-1378.874 χ^2/NDF : 13.9/18

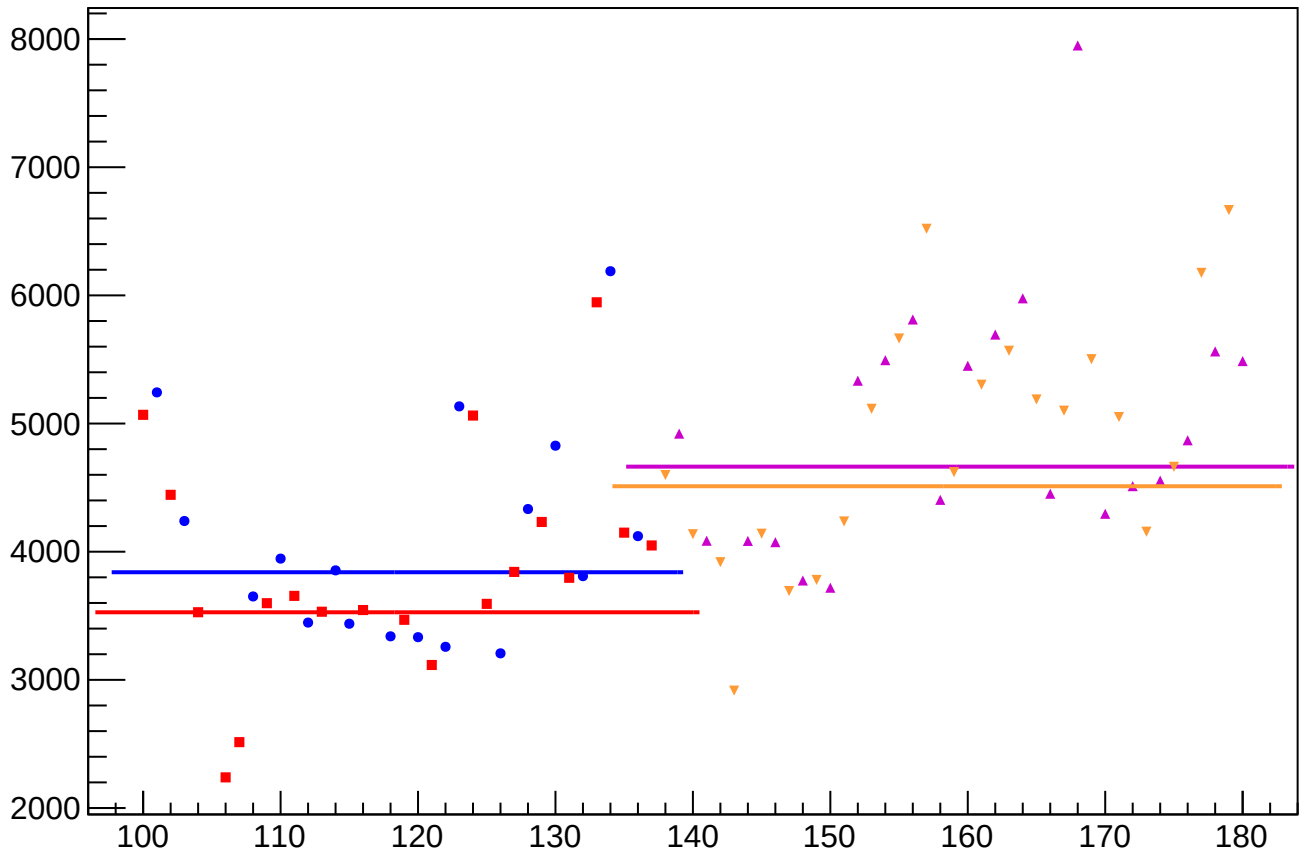
Left In: 129.995+/-1170.499 χ^2/NDF : 14.6/20

+ sign -187.994+/-907.549 χ^2/NDF : 41.2/38

All: 154.241+/-636.289 χ^2/NDF : 70.2/78

- sign 485.103+/-892.342 χ^2/NDF : 28.8/39

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751 ± 1.070 χ^2/NDF : 325959.2/16

Left Out: 4510.737 ± 0.802 χ^2/NDF : 1304938.9/21

Right Out: 3527.320 ± 0.966 χ^2/NDF : 554785.4/18

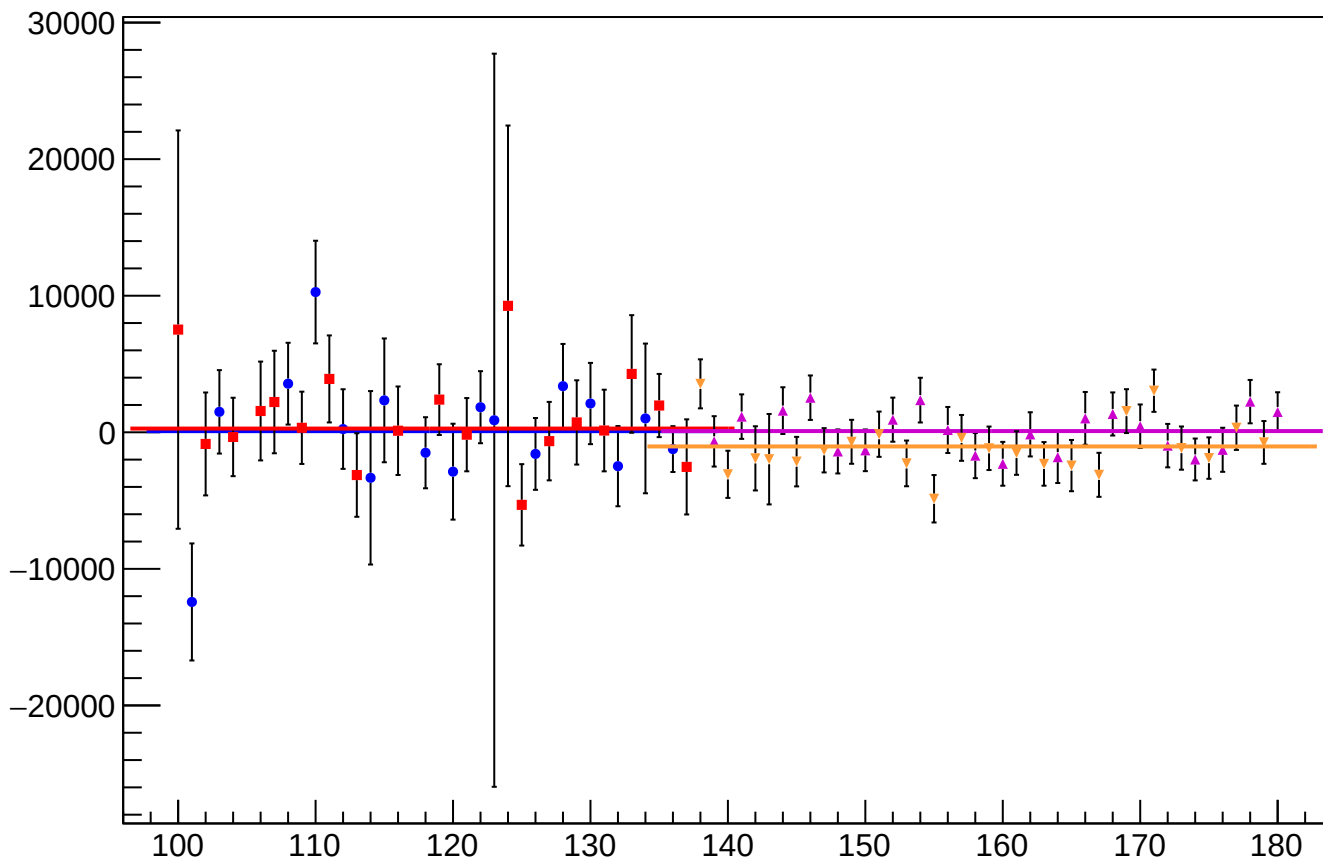
Left In: 4663.672 ± 0.828 χ^2/NDF : 959418.8/20

+ sign 4269.287 ± 0.642 χ^2/NDF : 1882738.1/38

All: 4225.097 ± 0.449 χ^2/NDF : 4204078.9/78

- sign 4182.702 ± 0.629 χ^2/NDF : 2312049.8/39

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1036.251 $\pm$ 360.984 χ^2 /NDF:28.0/21

Right Out: 272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

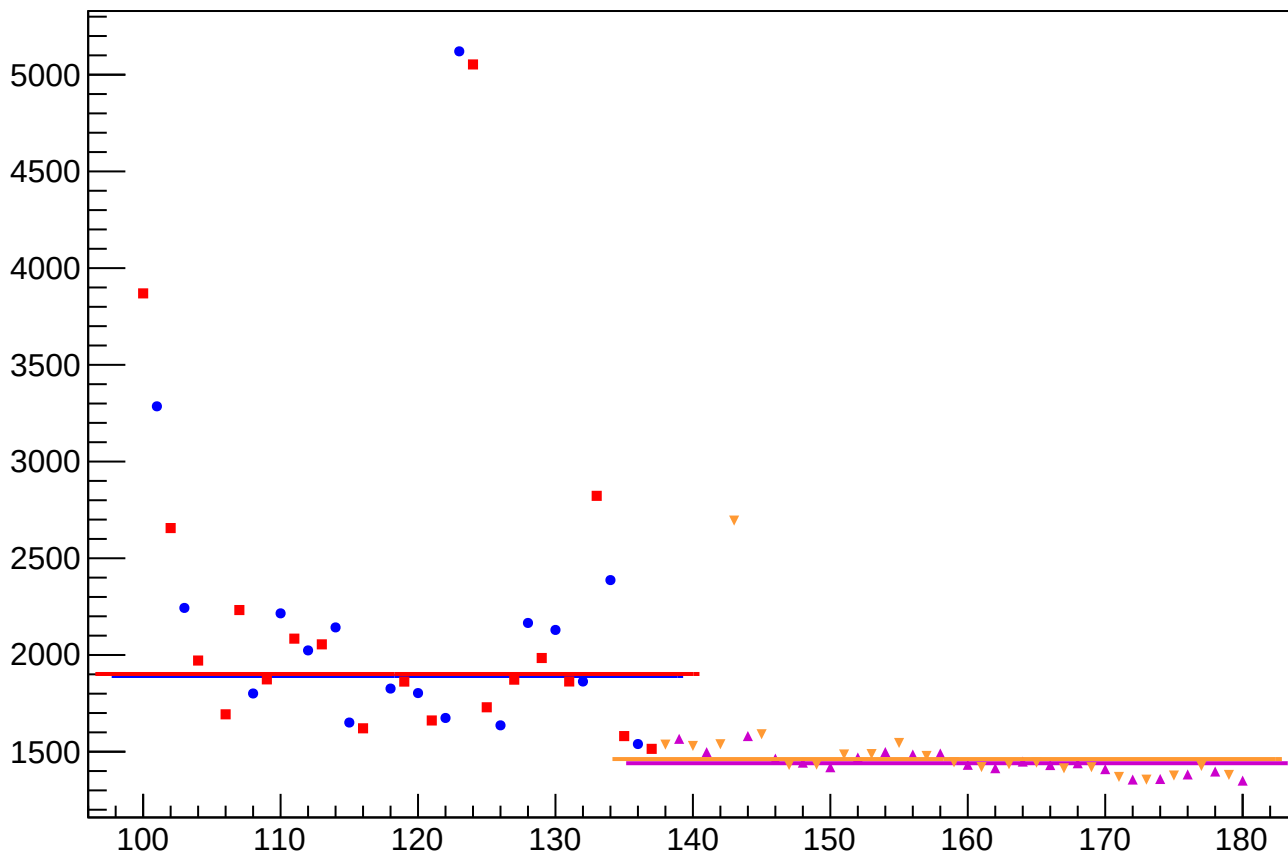
Left In: 89.032 $\pm$ 356.439 χ^2 /NDF:18.6/20

+ sign -825.821 $\pm$ 325.313 χ^2 /NDF: 52.7/38

All: -344.006 $\pm$ 228.362 χ^2 /NDF: 85.9/78

- sign 124.072 $\pm$ 320.642 χ^2 /NDF: 28.9/39

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1461.992+/-0.255 χ^2/NDF : 337441.7/21

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1440.455+/-0.252 χ^2/NDF : 56995.6/20

+ sign 1542.681+/-0.230 χ^2/NDF : 1333841.0/38

All: 1535.471+/-0.161 χ^2/NDF : 2492652.1/78

- sign 1528.468+/-0.227 χ^2/NDF : 1156874.6/39

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



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

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

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

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

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

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

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

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



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

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

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

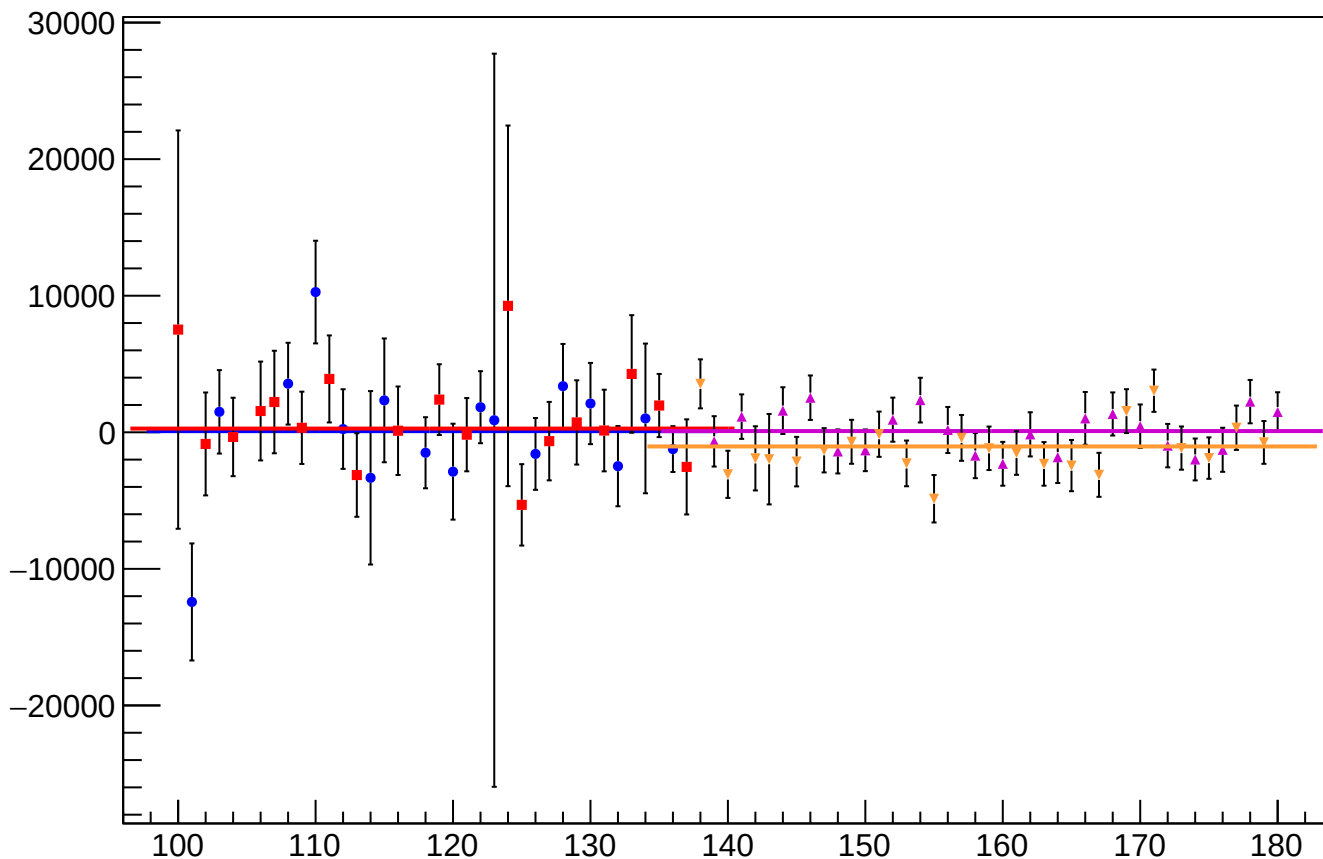
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1036.251 $\pm$ 360.984 χ^2 /NDF:28.0/21

Right Out: 272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

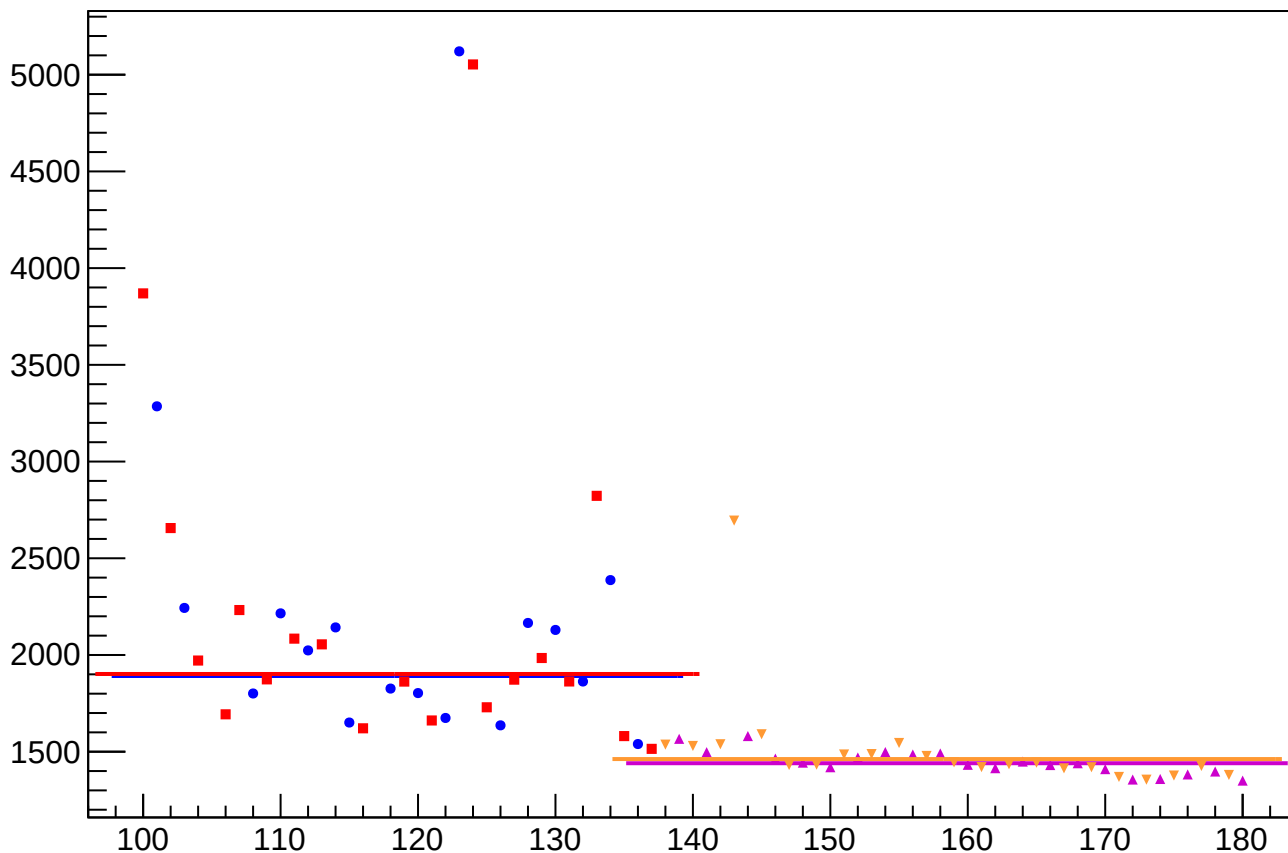
Left In: 89.032 $\pm$ 356.439 χ^2 /NDF:18.6/20

+ sign -825.821 $\pm$ 325.313 χ^2 /NDF: 52.7/38

All: -344.006 $\pm$ 228.362 χ^2 /NDF: 85.9/78

- sign 124.072 $\pm$ 320.642 χ^2 /NDF: 28.9/39

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1461.992+/-0.255 χ^2/NDF : 337441.7/21

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

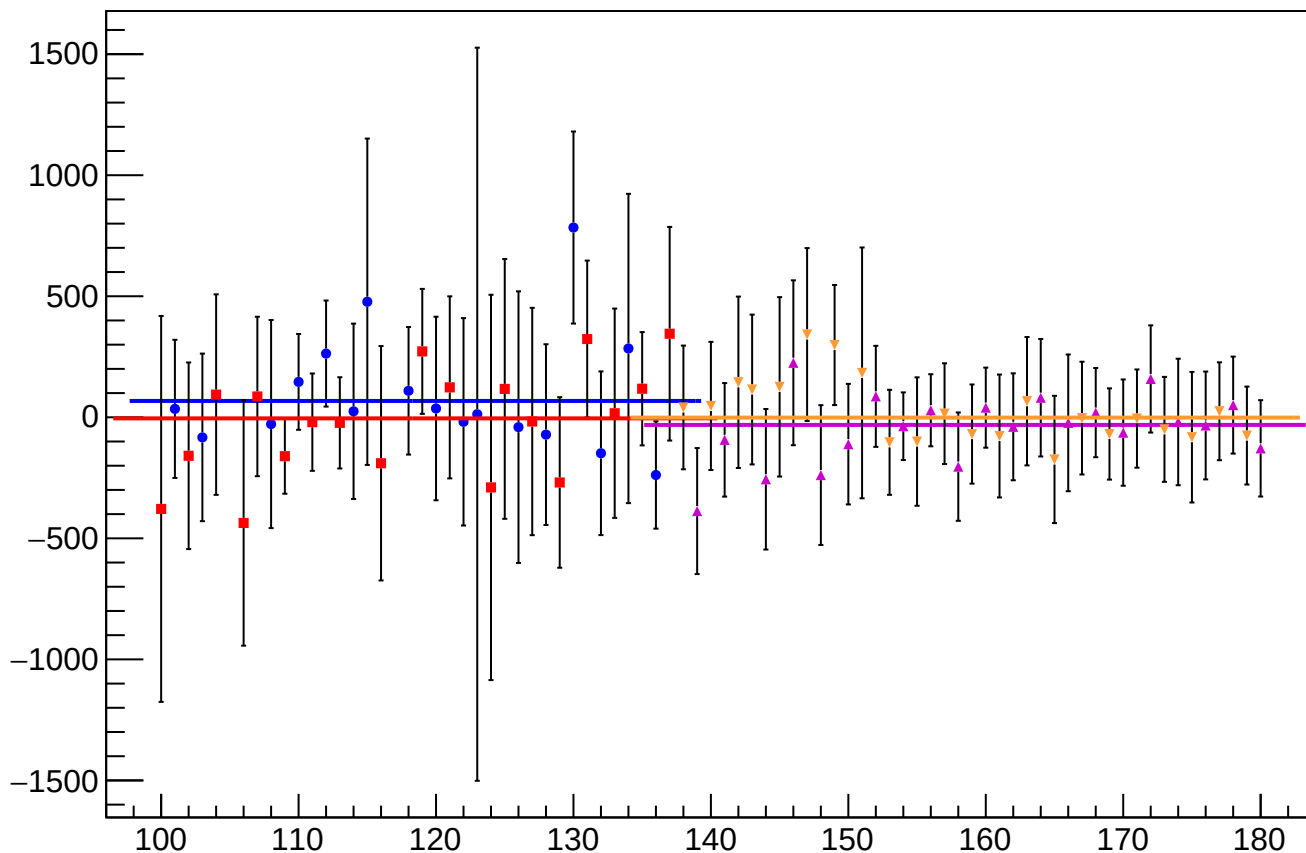
Left In: 1440.455+/-0.252 χ^2/NDF : 56995.6/20

+ sign 1542.681+/-0.230 χ^2/NDF : 1333841.0/38

All: 1535.471+/-0.161 χ^2/NDF : 2492652.1/78

- sign 1528.468+/-0.227 χ^2/NDF : 1156874.6/39

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542+/-79.608 χ^2/NDF : 7.5/16

Left Out: -1.301+/-52.376 χ^2/NDF : 4.5/21

Right Out: -4.423+/-70.009 χ^2/NDF : 6.4/18

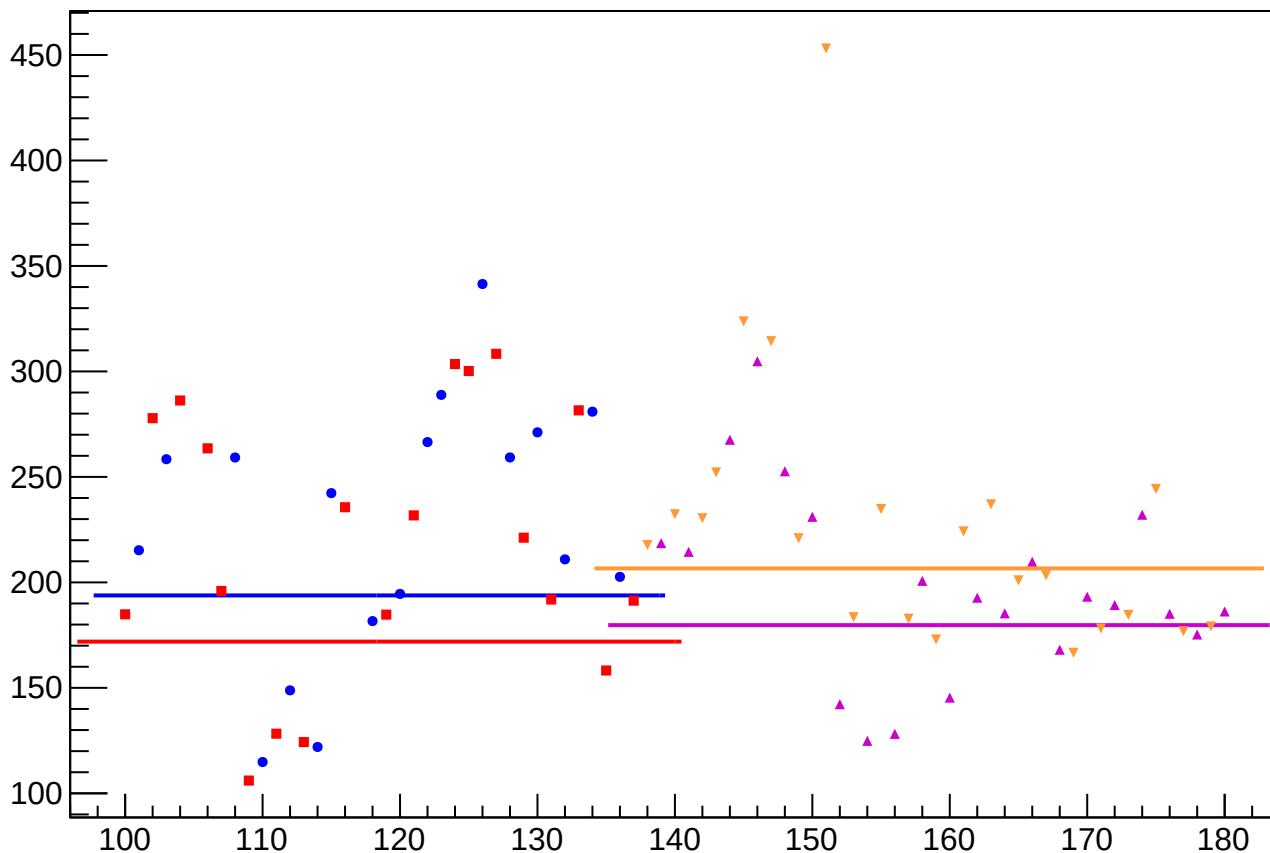
Left In: -31.416+/-46.474 χ^2/NDF : 6.4/20

+ sign 19.496+/-43.755 χ^2/NDF : 12.5/38

All: -4.427+/-28.996 χ^2/NDF : 26.0/78

- sign -23.159+/-38.719 χ^2/NDF : 12.9/39

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 206.625 $\pm$ 0.037 χ^2 /NDF:1348310.0/21

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

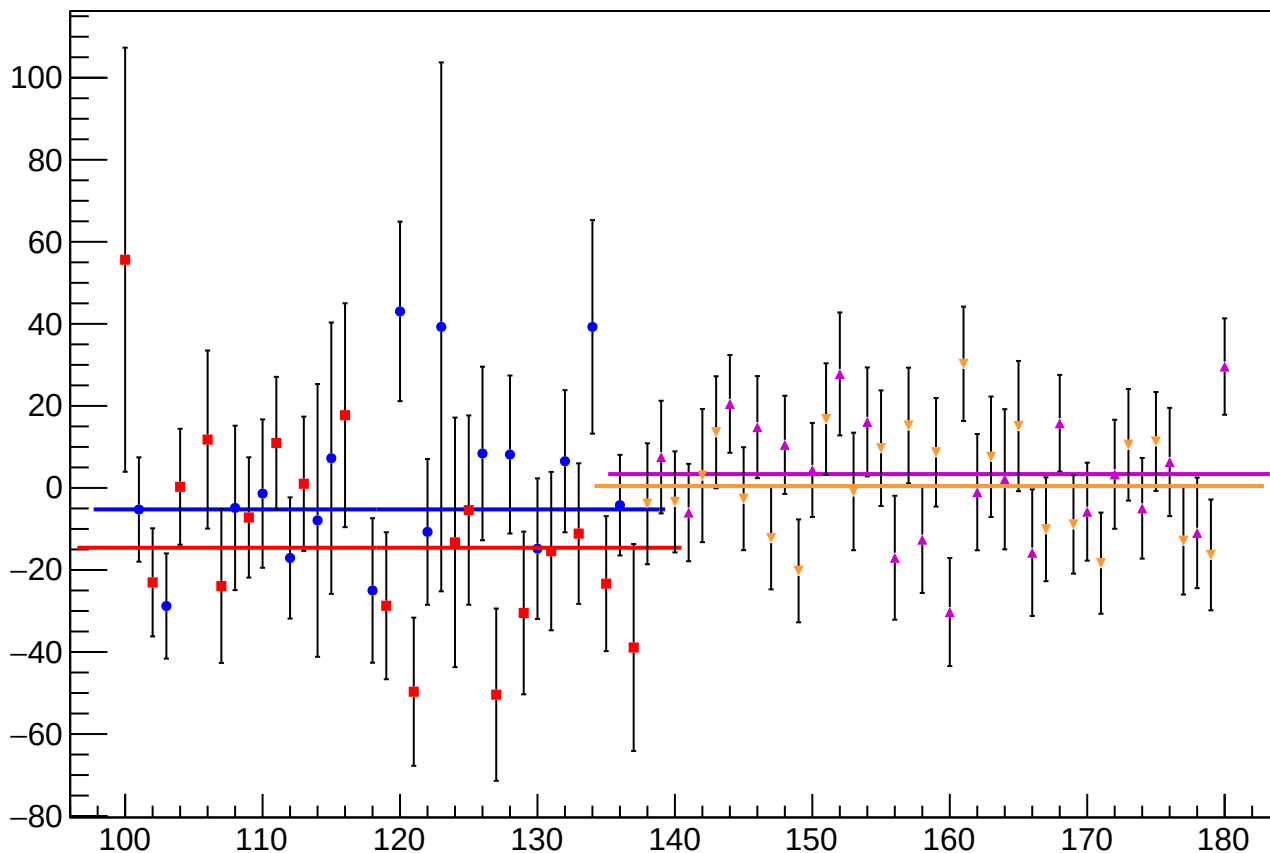
Left In: 179.730 $\pm$ 0.033 χ^2 /NDF:1605197.5/20

+ sign 202.755 $\pm$ 0.031 χ^2 /NDF: 2394775.2/38

All: 188.502 $\pm$ 0.021 χ^2 /NDF: 5972726.4/78

- sign 177.341 $\pm$ 0.027 χ^2 /NDF: 3199549.9/39

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: 0.471 ± 2.856 χ^2/NDF : 21.5/21

Right Out: -14.579 ± 4.265 χ^2/NDF : 19.5/18

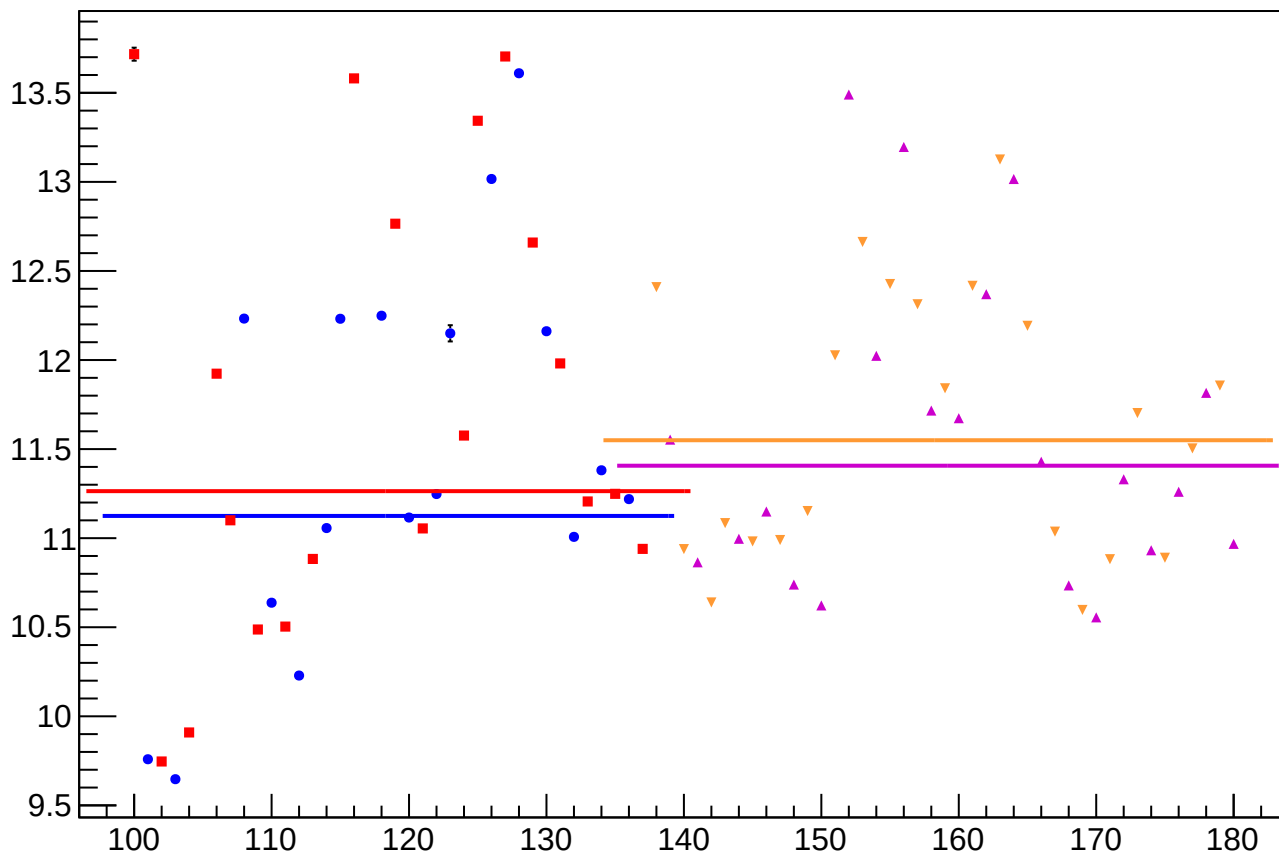
Left In: 3.381 ± 2.837 χ^2/NDF : 27.4/20

+ sign -1.243 ± 2.388 χ^2/NDF : 38.2/38

All: -1.690 ± 1.679 χ^2/NDF : 97.5/78

- sign -2.127 ± 2.362 χ^2/NDF : 59.2/39

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.550 $\pm$ 0.002 χ^2 /NDF:122658.1/21

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

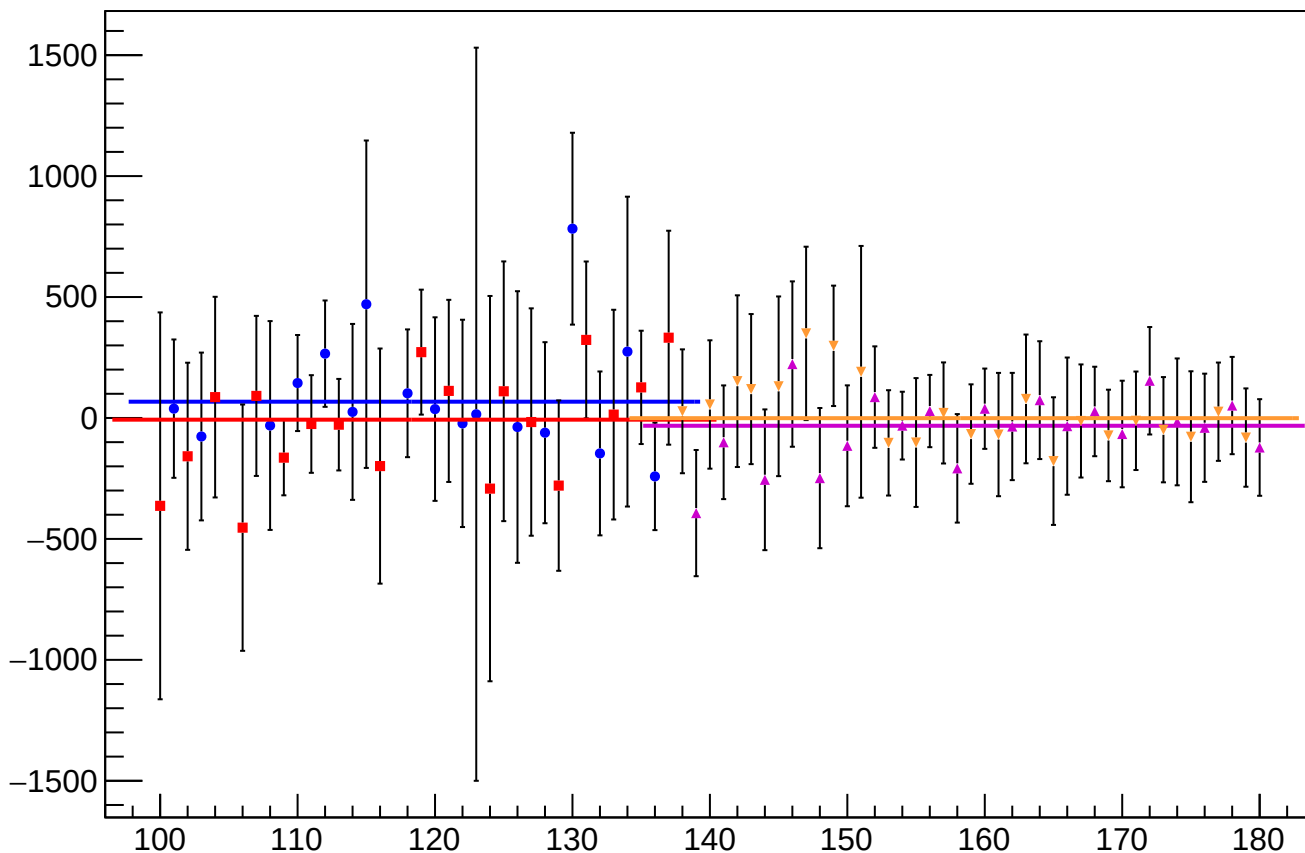
Left In: 11.407 $\pm$ 0.002 χ^2 /NDF:147744.1/20

+ sign 11.422 $\pm$ 0.002 χ^2 /NDF: 268486.9/38

All: 11.392 $\pm$ 0.001 χ^2 /NDF: 566136.0/78

- sign 11.363 $\pm$ 0.002 χ^2 /NDF: 297032.0/39

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305 $\pm$ 79.817 χ^2 /NDF: 7.5/16

Left Out: -0.811 $\pm$ 52.570 χ^2 /NDF: 4.6/21

Right Out: -7.039 $\pm$ 70.212 χ^2 /NDF: 6.4/18

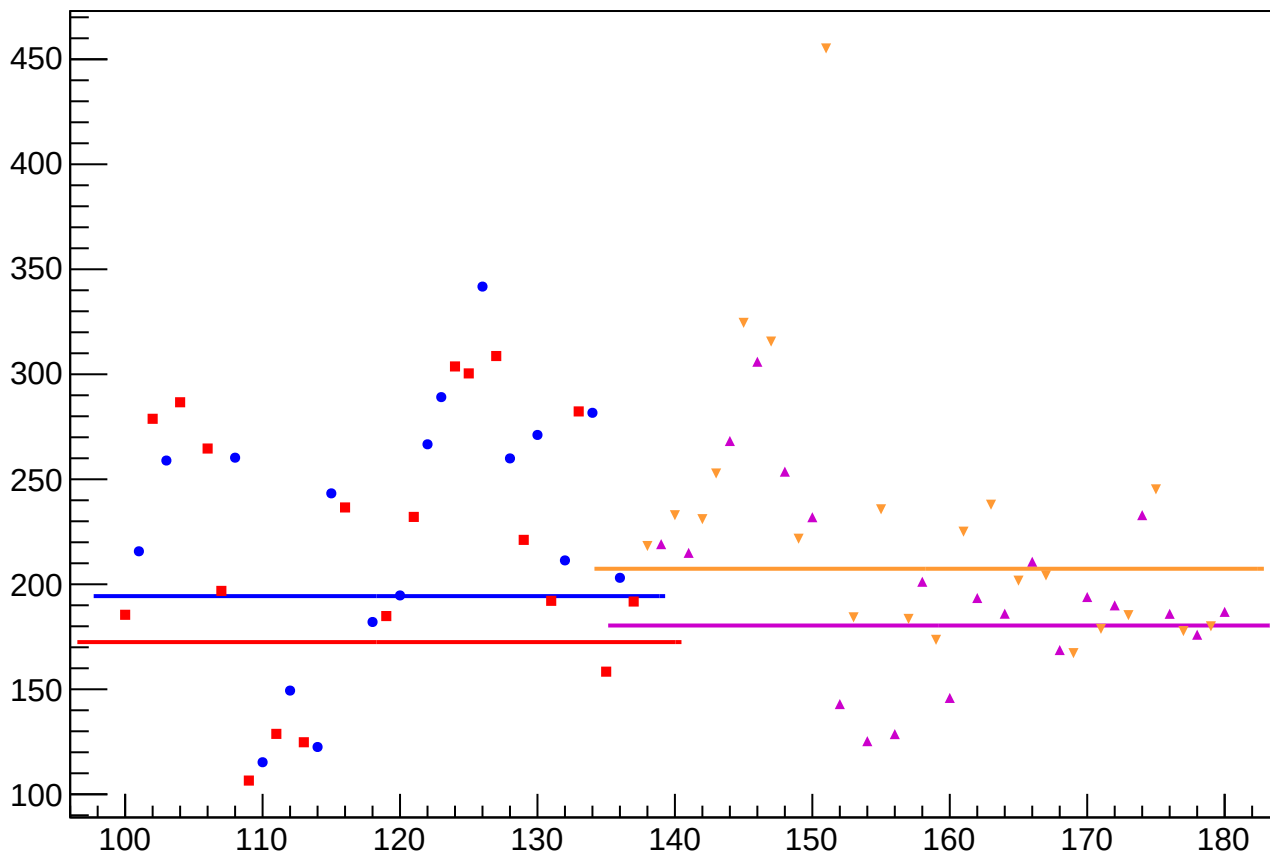
Left In: -32.210 $\pm$ 46.638 χ^2 /NDF: 6.5/20

+ sign 19.797 $\pm$ 43.903 χ^2 /NDF: 12.6/38

All: -5.049 $\pm$ 29.094 χ^2 /NDF: 26.2/78

- sign -24.504 $\pm$ 38.849 χ^2 /NDF: 13.0/39

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 207.396 $\pm$ 0.037 χ^2 /NDF:1345818.6/21

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

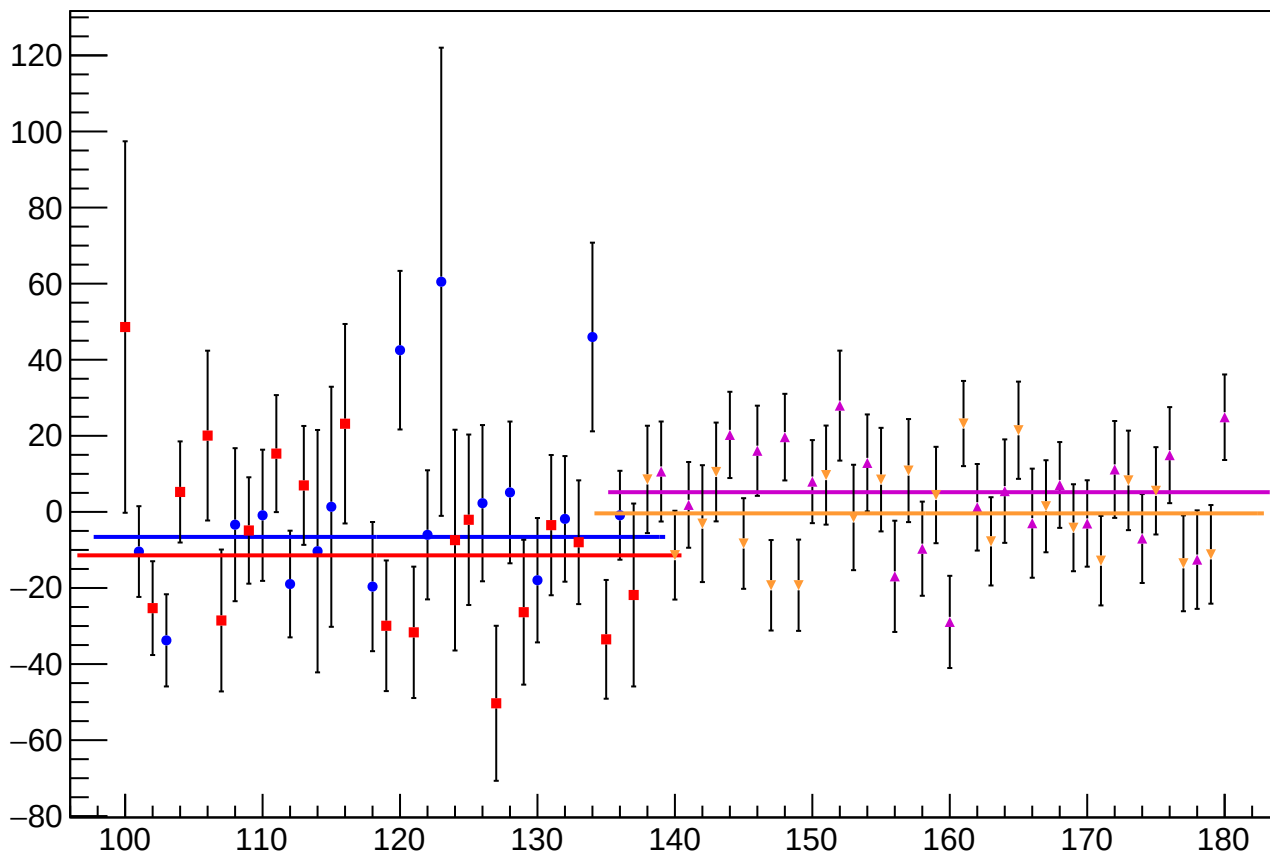
Left In: 180.370 $\pm$ 0.033 χ^2 /NDF:1603458.2/20

+ sign 203.454 $\pm$ 0.031 χ^2 /NDF: 2388233.6/38

All: 189.151 $\pm$ 0.021 χ^2 /NDF: 5957381.6/78

- sign 177.952 $\pm$ 0.027 χ^2 /NDF: 3190667.4/39

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 ± 4.157 χ^2/NDF : 19.3/16

Left Out: -0.385 ± 2.666 χ^2/NDF : 20.8/21

Right Out: -11.423 ± 4.080 χ^2/NDF : 23.0/18

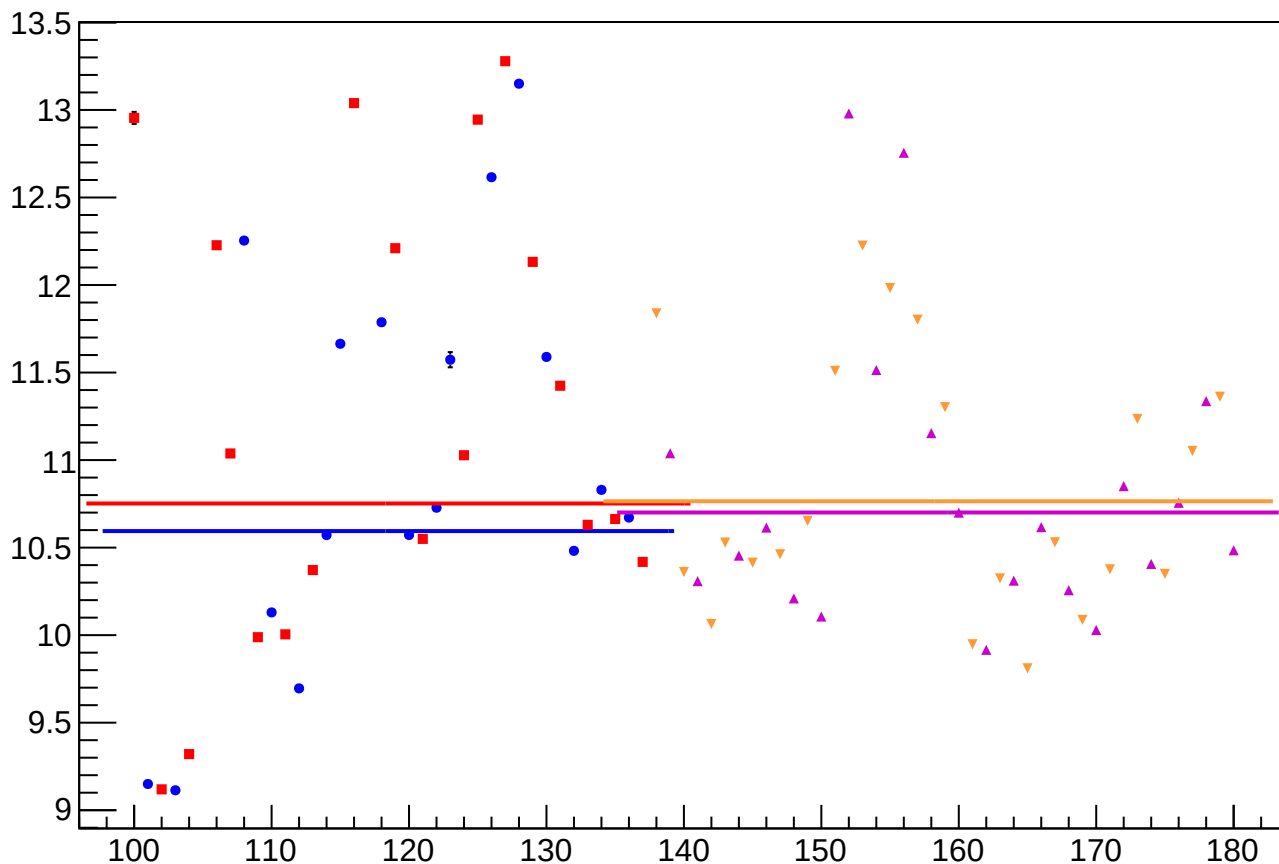
Left In: 5.181 ± 2.664 χ^2/NDF : 26.9/20

+ sign -2.189 ± 2.244 χ^2/NDF : 41.7/38

All: -0.979 ± 1.582 χ^2/NDF : 103.8/78

- sign 0.216 ± 2.231 χ^2/NDF : 61.4/39

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.765 $\pm$ 0.002 χ^2 /NDF:127214.4/21

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

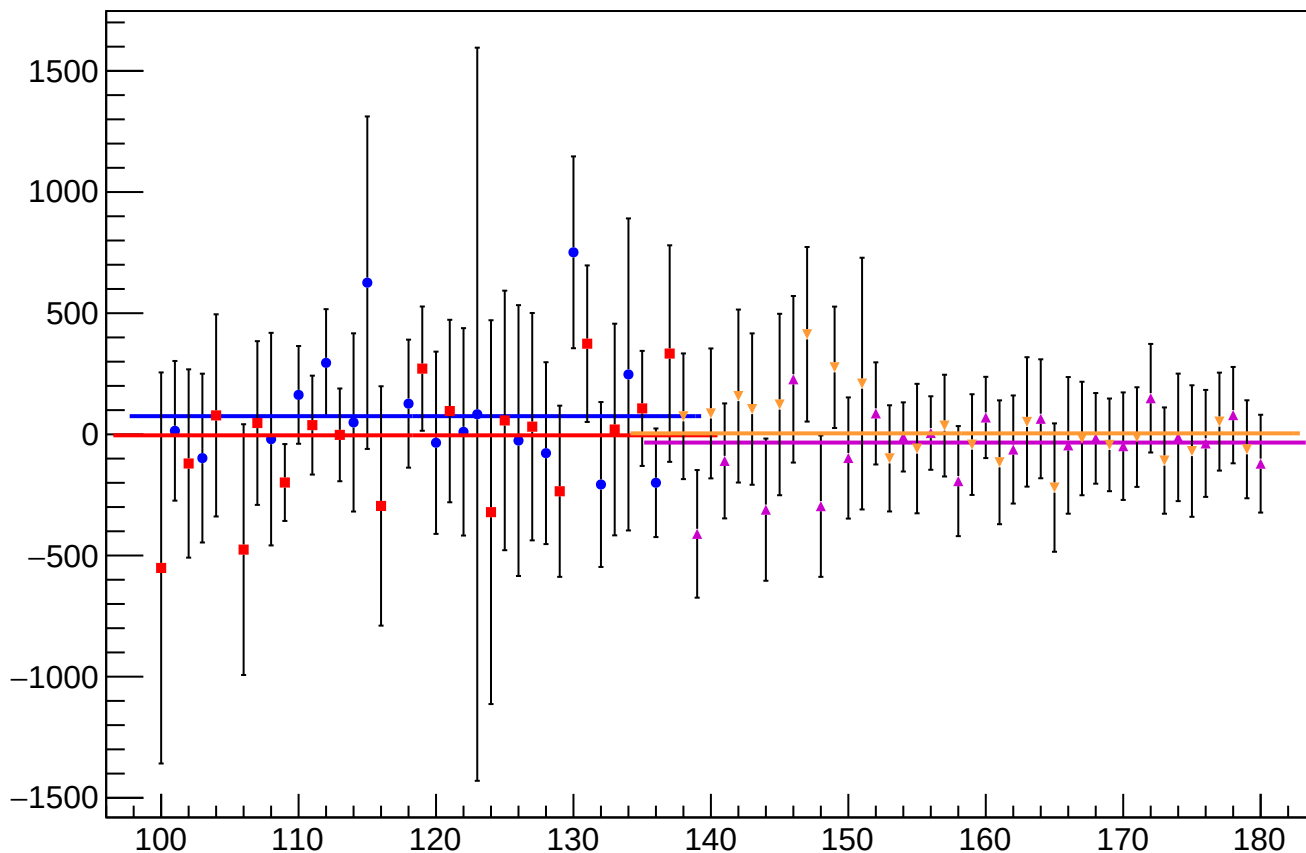
Left In: 10.701 $\pm$ 0.002 χ^2 /NDF:142961.3/20

+ sign 10.715 $\pm$ 0.002 χ^2 /NDF: 289651.6/38

All: 10.716 $\pm$ 0.001 χ^2 /NDF: 610008.0/78

- sign 10.716 $\pm$ 0.002 χ^2 /NDF: 320356.2/39

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 4.142 $\pm$ 52.840 χ^2 /NDF: 5.1/21

Right Out: -3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

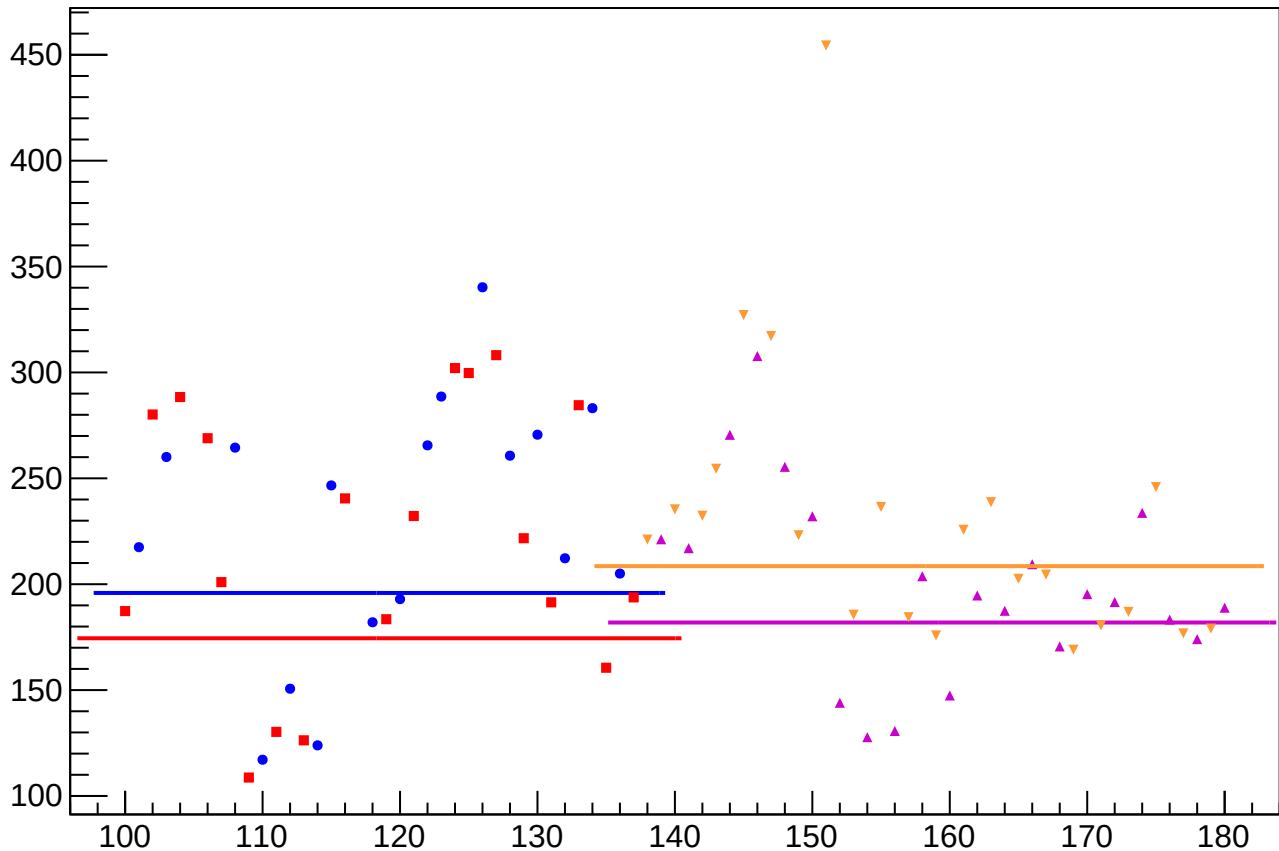
Left In: -33.898 $\pm$ 46.988 χ^2 /NDF: 7.2/20

+ sign 25.560 $\pm$ 44.149 χ^2 /NDF: 13.3/38

All: -2.606 $\pm$ 29.298 χ^2 /NDF: 28.6/78

- sign -24.770 $\pm$ 39.165 χ^2 /NDF: 14.6/39

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 208.538 $\pm$ 0.037 χ^2 /NDF:1341712.0/21

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

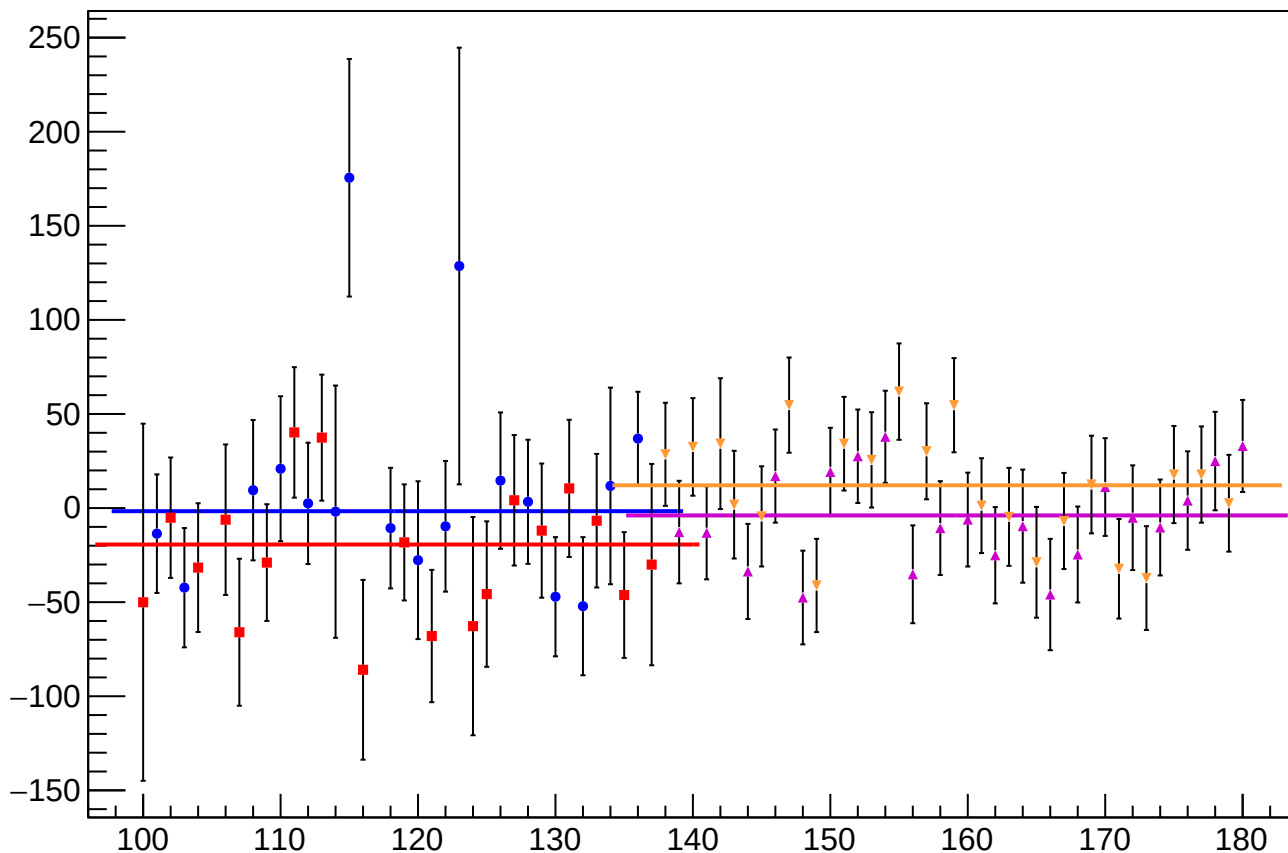
Left In: 181.913 $\pm$ 0.033 χ^2 /NDF:1557882.0/20

+ sign 204.713 $\pm$ 0.031 χ^2 /NDF: 2355670.0/38

All: 190.682 $\pm$ 0.021 χ^2 /NDF: 5818676.8/78

- sign 179.639 $\pm$ 0.028 χ^2 /NDF: 3102000.2/39

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 12.105 ± 5.607 χ^2/NDF : 26.9/21

Right Out: -19.357 ± 8.556 χ^2/NDF : 14.8/18

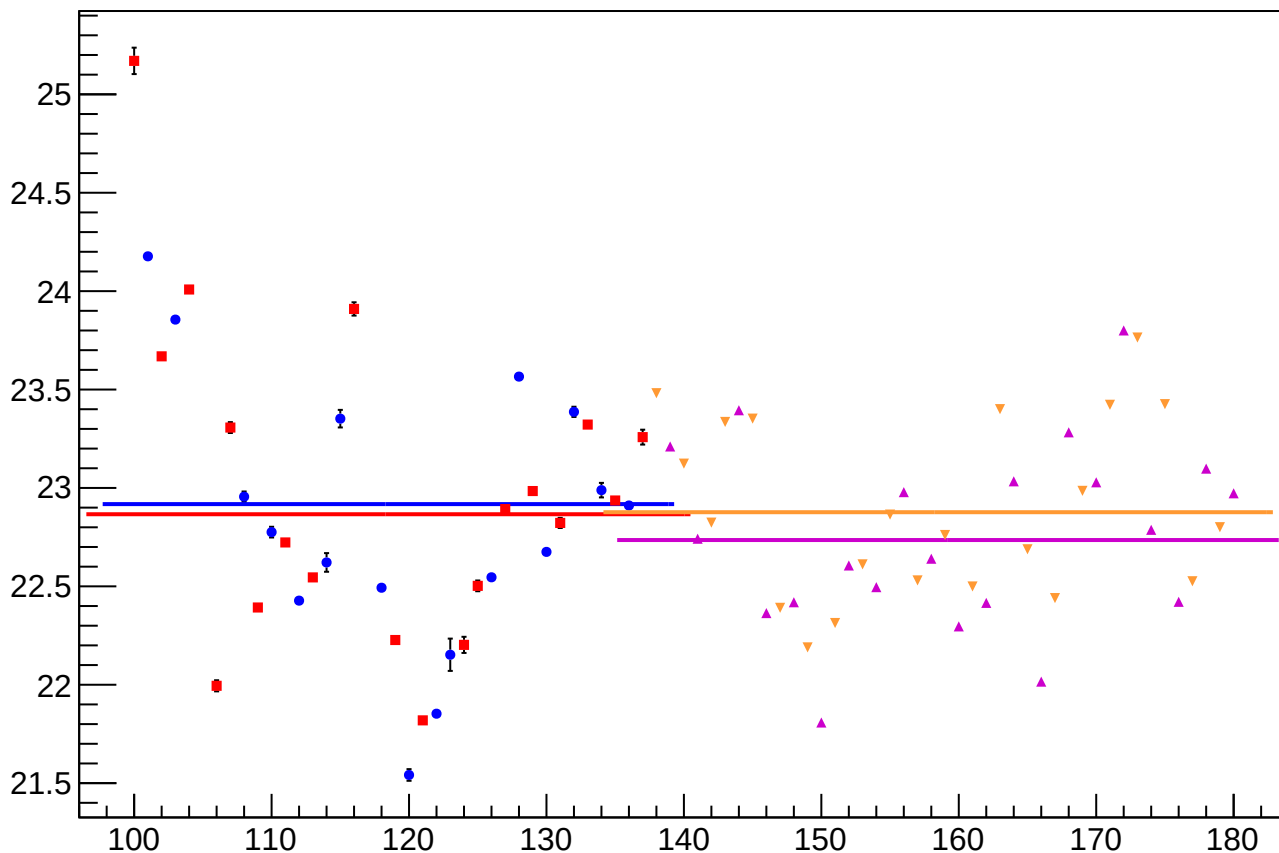
Left In: -3.912 ± 5.606 χ^2/NDF : 19.8/20

+ sign 8.183 ± 4.741 χ^2/NDF : 47.2/38

All: -0.277 ± 3.334 χ^2/NDF : 90.3/78

- sign -8.552 ± 4.689 χ^2/NDF : 36.9/39

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.877 $\pm$ 0.004 χ^2 /NDF:12421.8/21

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

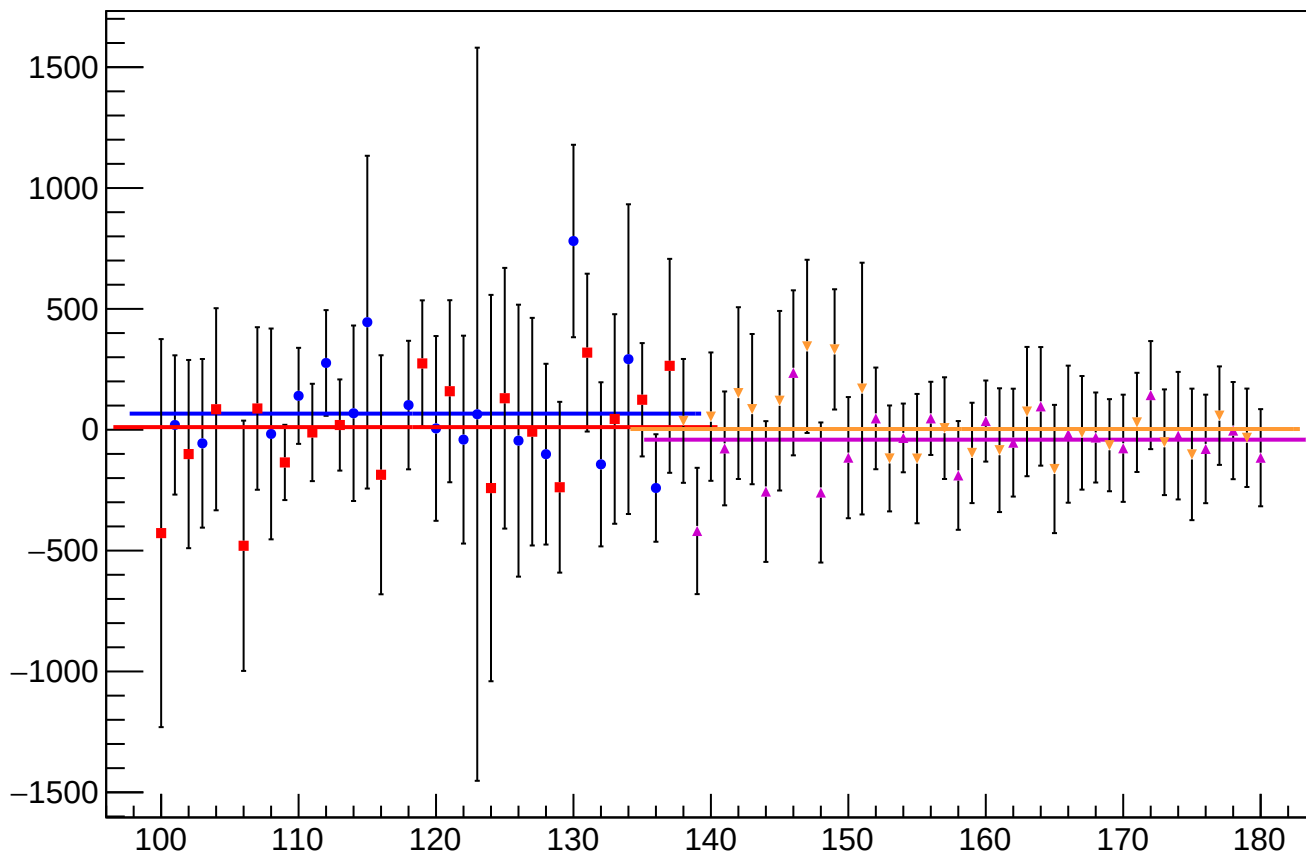
Left In: 22.735 $\pm$ 0.004 χ^2 /NDF:13607.0/20

+ sign 22.888 $\pm$ 0.003 χ^2 /NDF: 23924.7/38

All: 22.831 $\pm$ 0.002 χ^2 /NDF: 49494.8/78

- sign 22.775 $\pm$ 0.003 χ^2 /NDF: 24988.0/39

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 3.025 $\pm$ 52.802 χ^2 /NDF: 5.0/21

Right Out: 10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

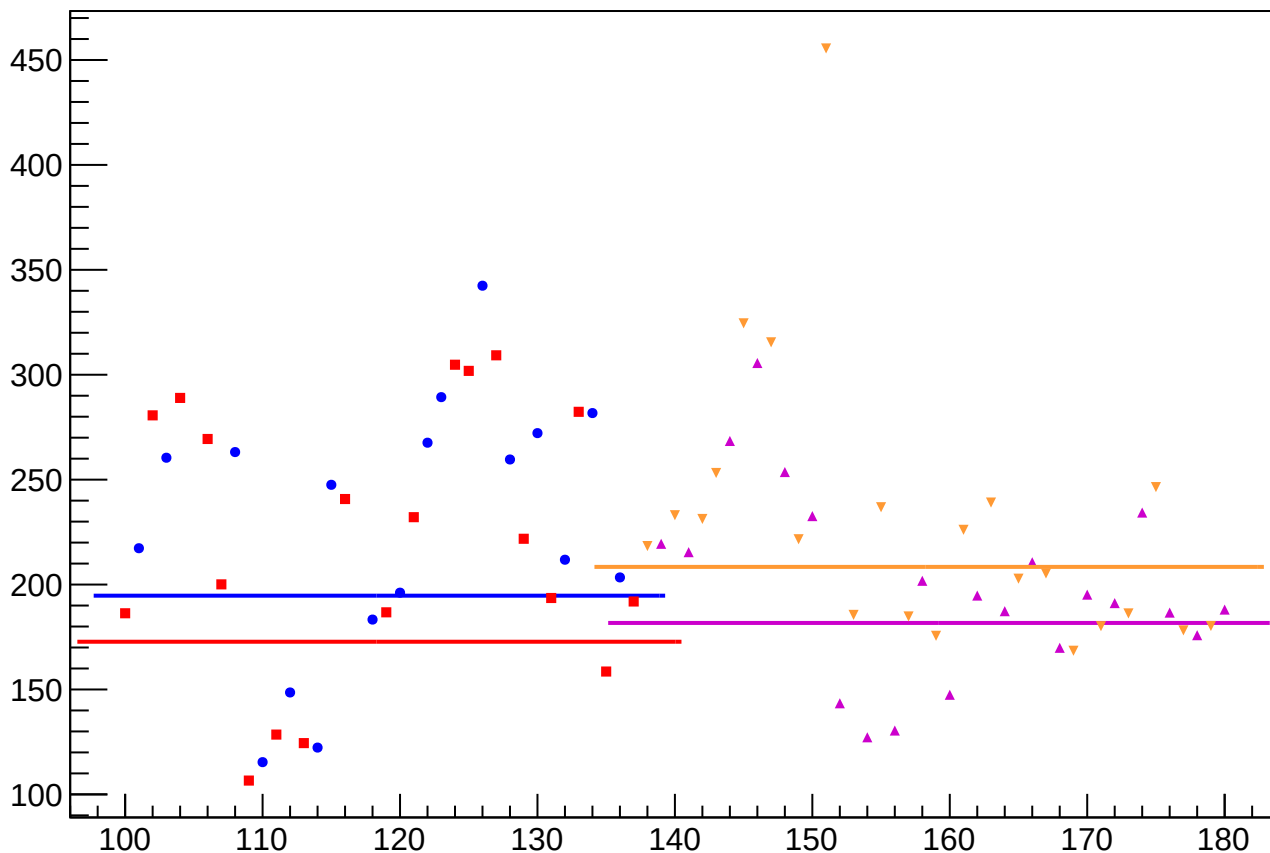
Left In: -41.085 $\pm$ 46.937 χ^2 /NDF: 6.4/20

+ sign 22.349 $\pm$ 44.068 χ^2 /NDF: 12.9/38

All: -4.226 $\pm$ 29.226 χ^2 /NDF: 26.0/78

- sign -25.093 $\pm$ 39.050 χ^2 /NDF: 12.4/39

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 208.422 $\pm$ 0.037 χ^2 /NDF:1324206.6/21

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

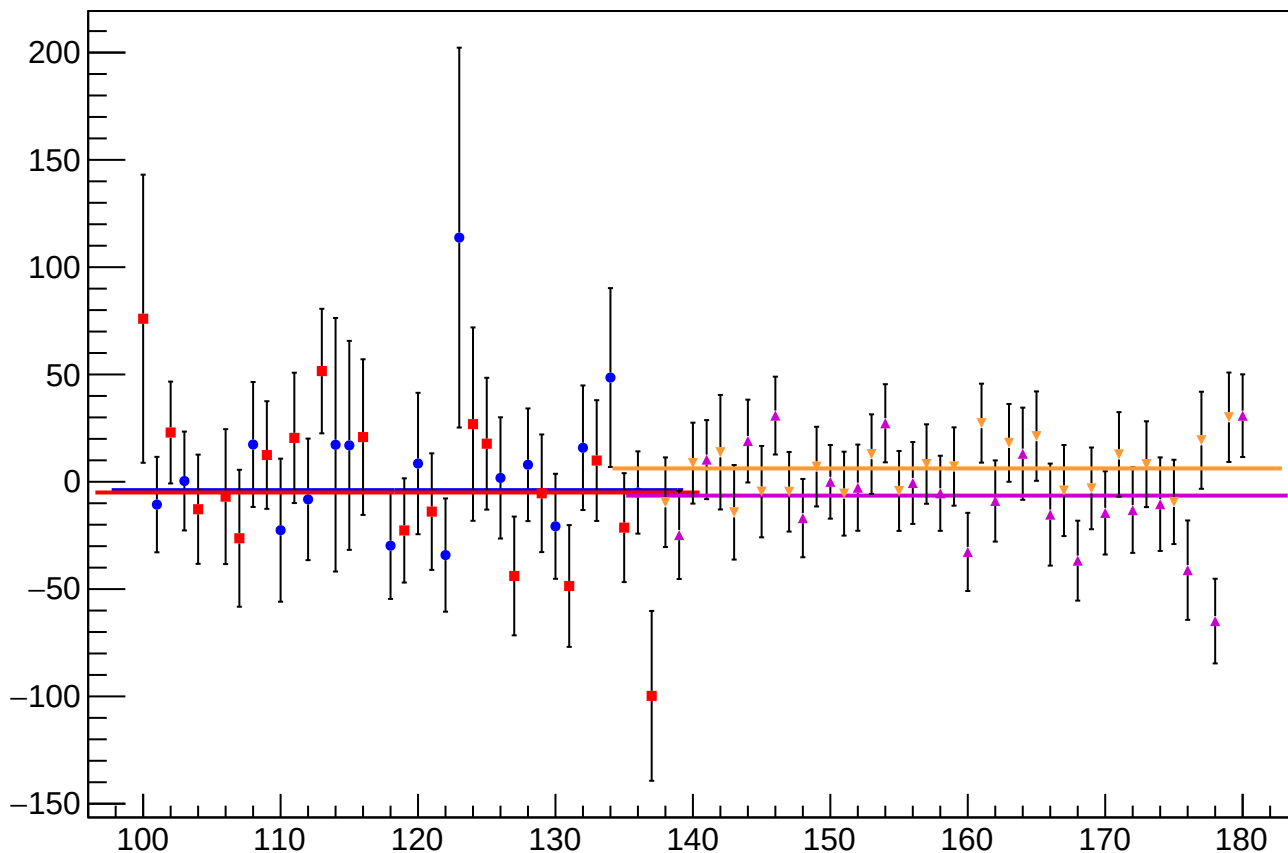
Left In: 181.707 $\pm$ 0.033 χ^2 /NDF:1549966.2/20

+ sign 204.259 $\pm$ 0.031 χ^2 /NDF: 2385052.1/38

All: 190.083 $\pm$ 0.021 χ^2 /NDF: 5923836.2/78

- sign 178.951 $\pm$ 0.028 χ^2 /NDF: 3169314.3/39

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 6.226 ± 4.221 χ^2/NDF : 8.1/21

Right Out: -4.985 ± 6.727 χ^2/NDF : 21.3/18

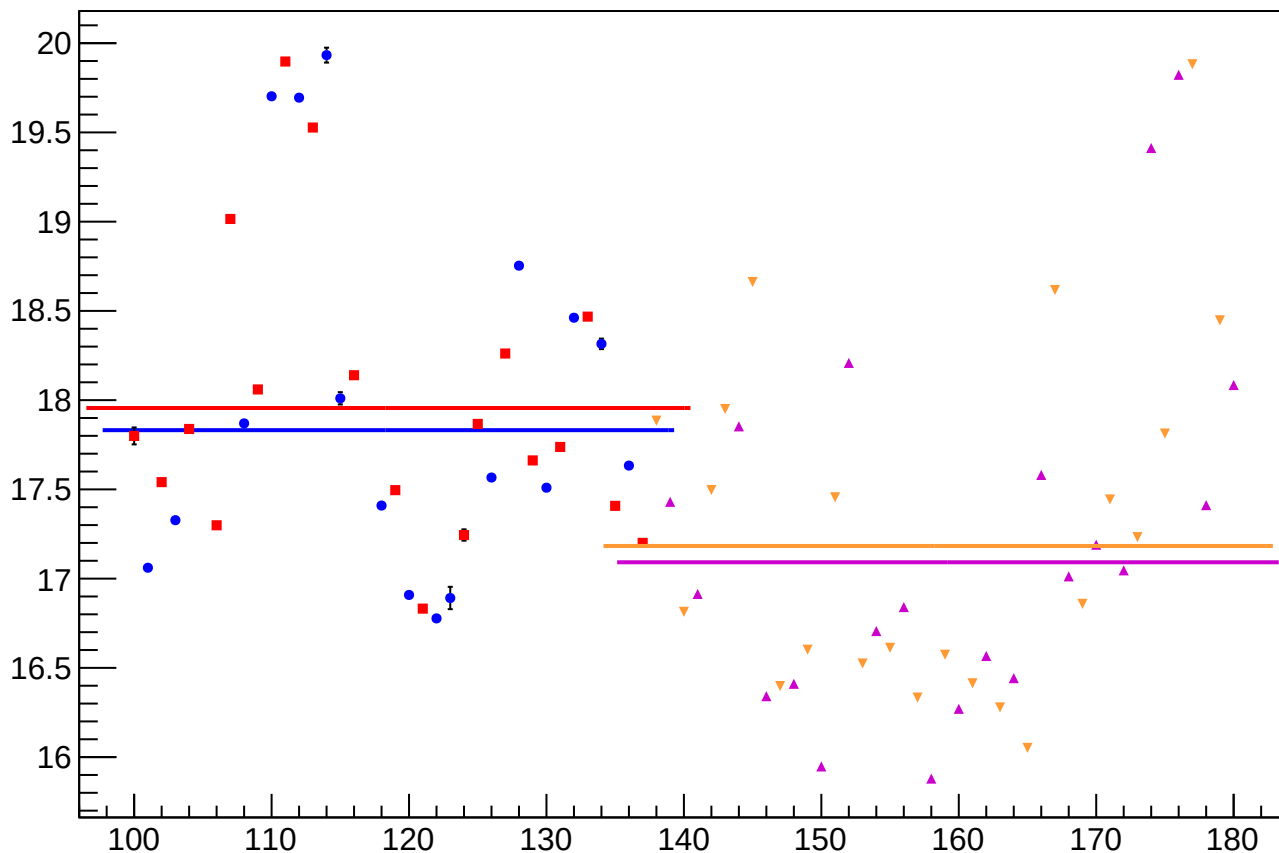
Left In: -6.441 ± 4.226 χ^2/NDF : 32.4/20

+ sign 3.479 ± 3.603 χ^2/NDF : 18.0/38

All: -1.308 ± 2.539 χ^2/NDF : 75.3/78

- sign -6.029 ± 3.578 χ^2/NDF : 53.8/39

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 17.183 $\pm$ 0.003 χ^2 /NDF: 94506.5/21

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

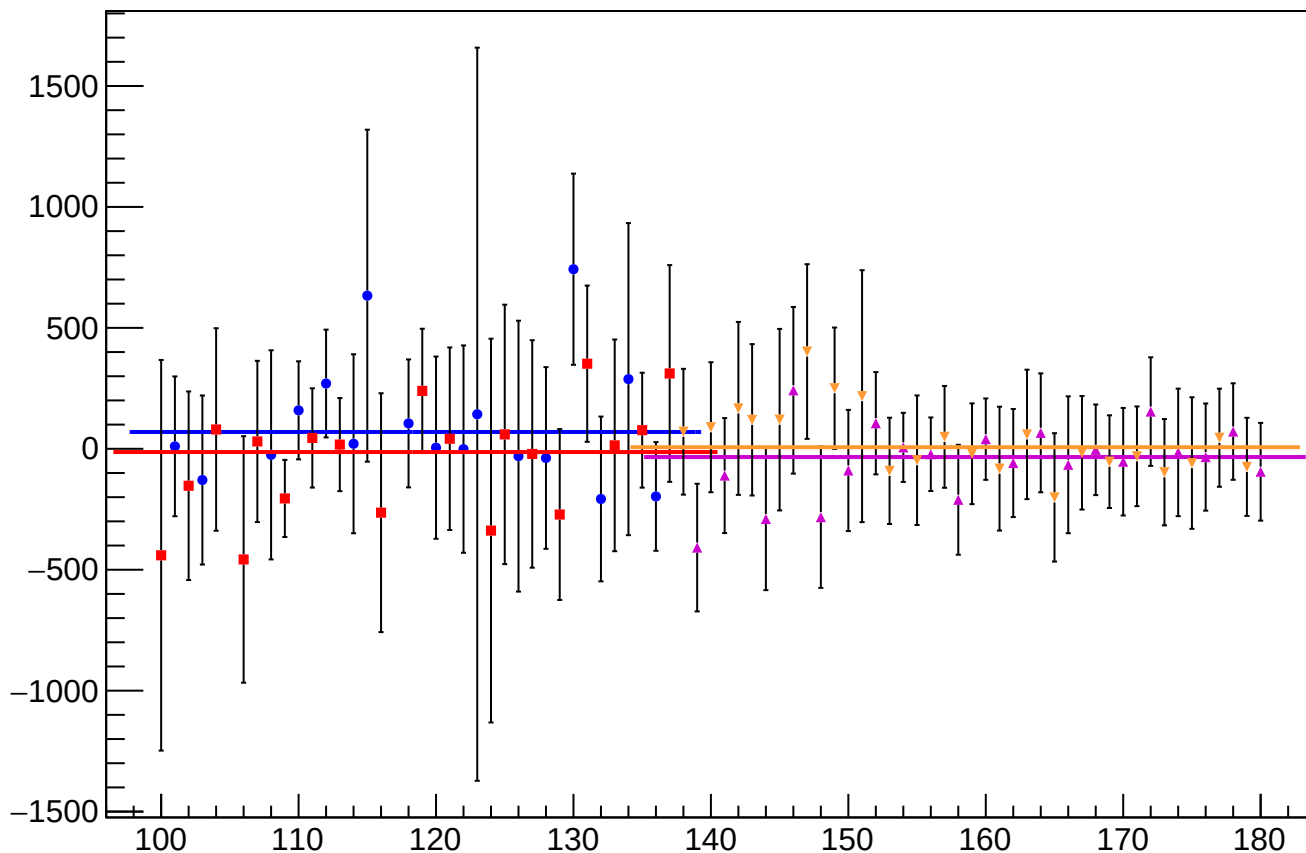
Left In: 17.092 $\pm$ 0.003 χ^2 /NDF: 100679.0/20

+ sign 17.359 $\pm$ 0.003 χ^2 /NDF: 138194.5/38

All: 17.348 $\pm$ 0.002 χ^2 /NDF: 288040.4/78

- sign 17.336 $\pm$ 0.003 χ^2 /NDF: 149805.1/39

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 6.649+/-52.965 χ^2/NDF : 4.6/21

Right Out: -13.410+/-71.041 χ^2/NDF : 6.7/18

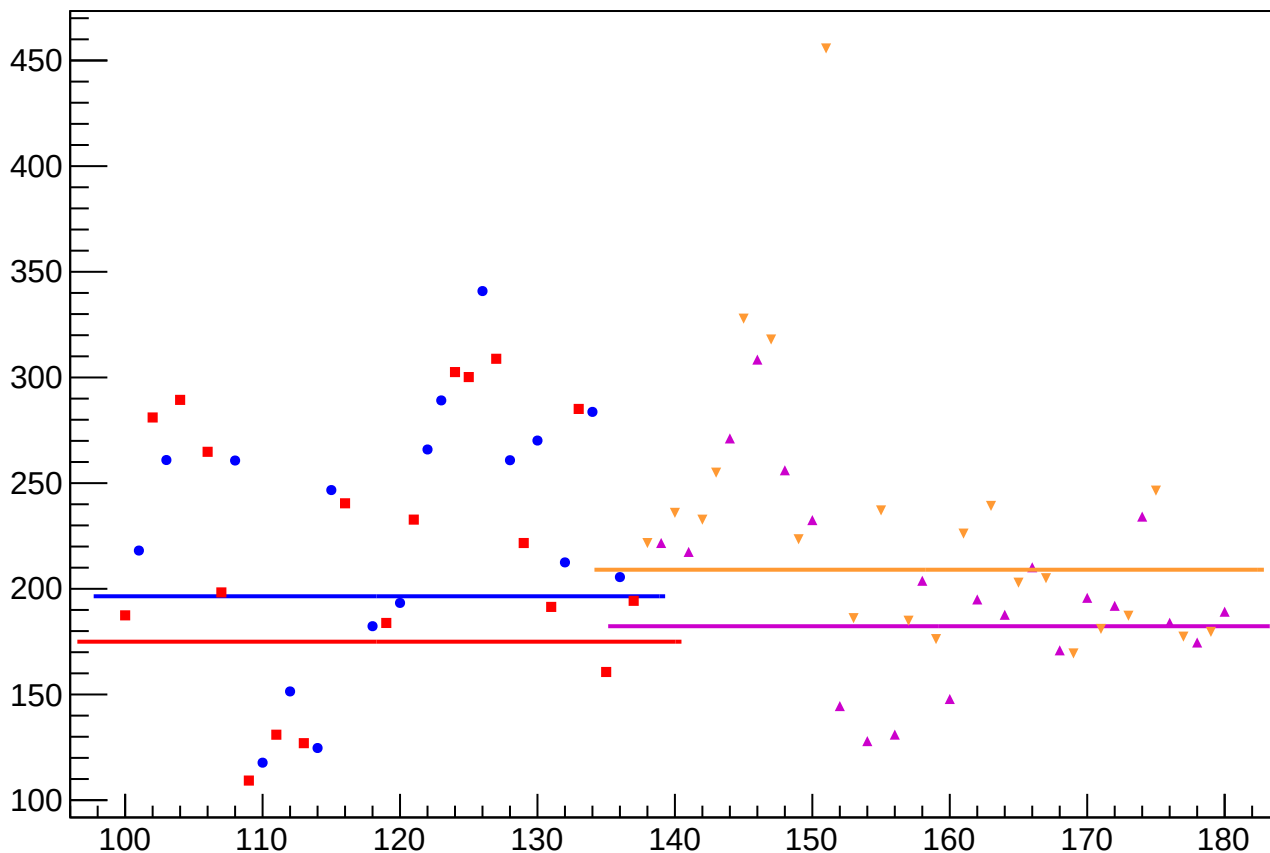
Left In: -34.068+/-47.088 χ^2/NDF : 6.9/20

+ sign 25.624+/-44.255 χ^2/NDF : 12.4/38

All: -4.258+/-29.364 χ^2/NDF : 26.9/78

- sign -27.763+/-39.249 χ^2/NDF : 13.7/39

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 209.034 $\pm$ 0.037 χ^2 /NDF:1340617.5/21

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

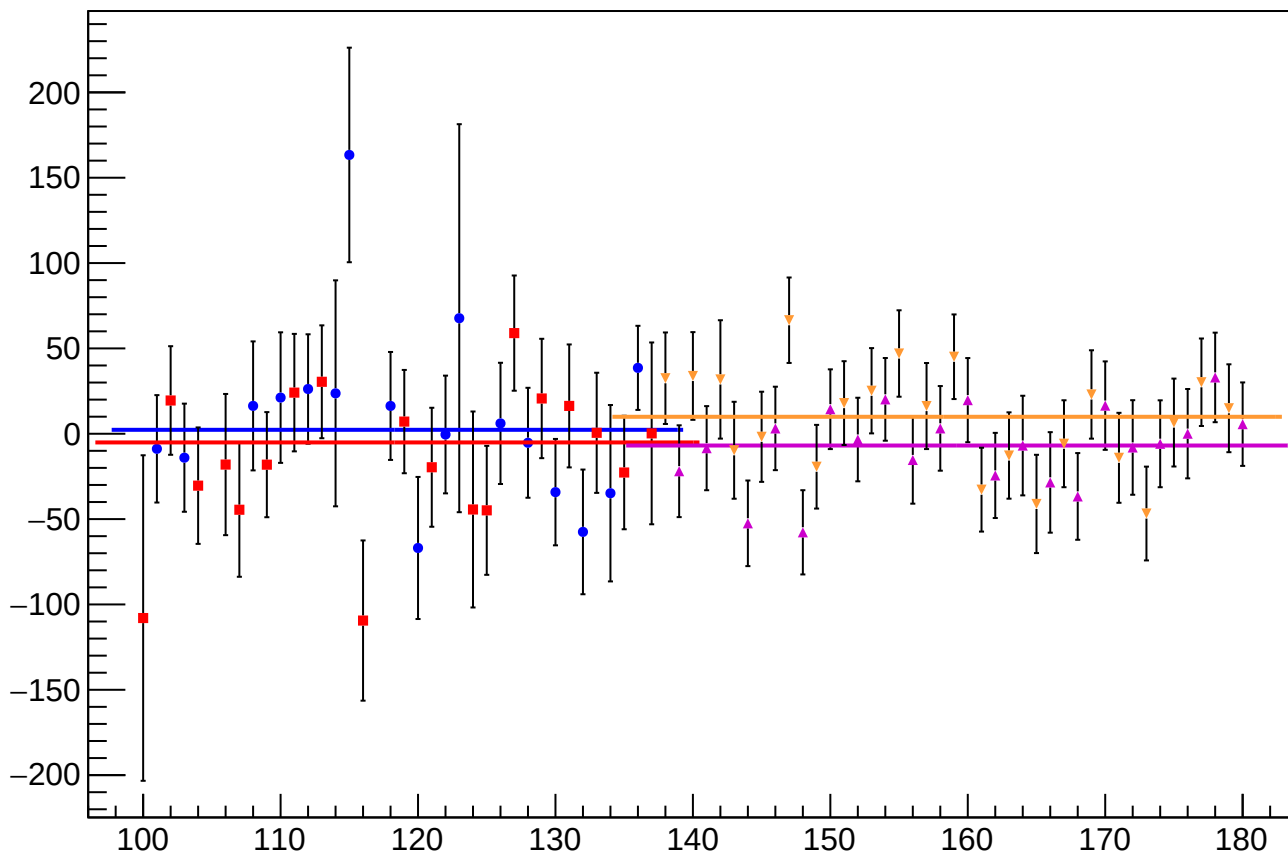
Left In: 182.298 $\pm$ 0.033 χ^2 /NDF:1557442.2/20

+ sign 205.241 $\pm$ 0.031 χ^2 /NDF: 2338866.2/38

All: 191.149 $\pm$ 0.021 χ^2 /NDF: 5784462.6/78

- sign 180.065 $\pm$ 0.028 χ^2 /NDF: 3083285.5/39

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 9.940 ± 5.550 $\chi^2/\text{NDF}: 27.3/21$

Right Out: -5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

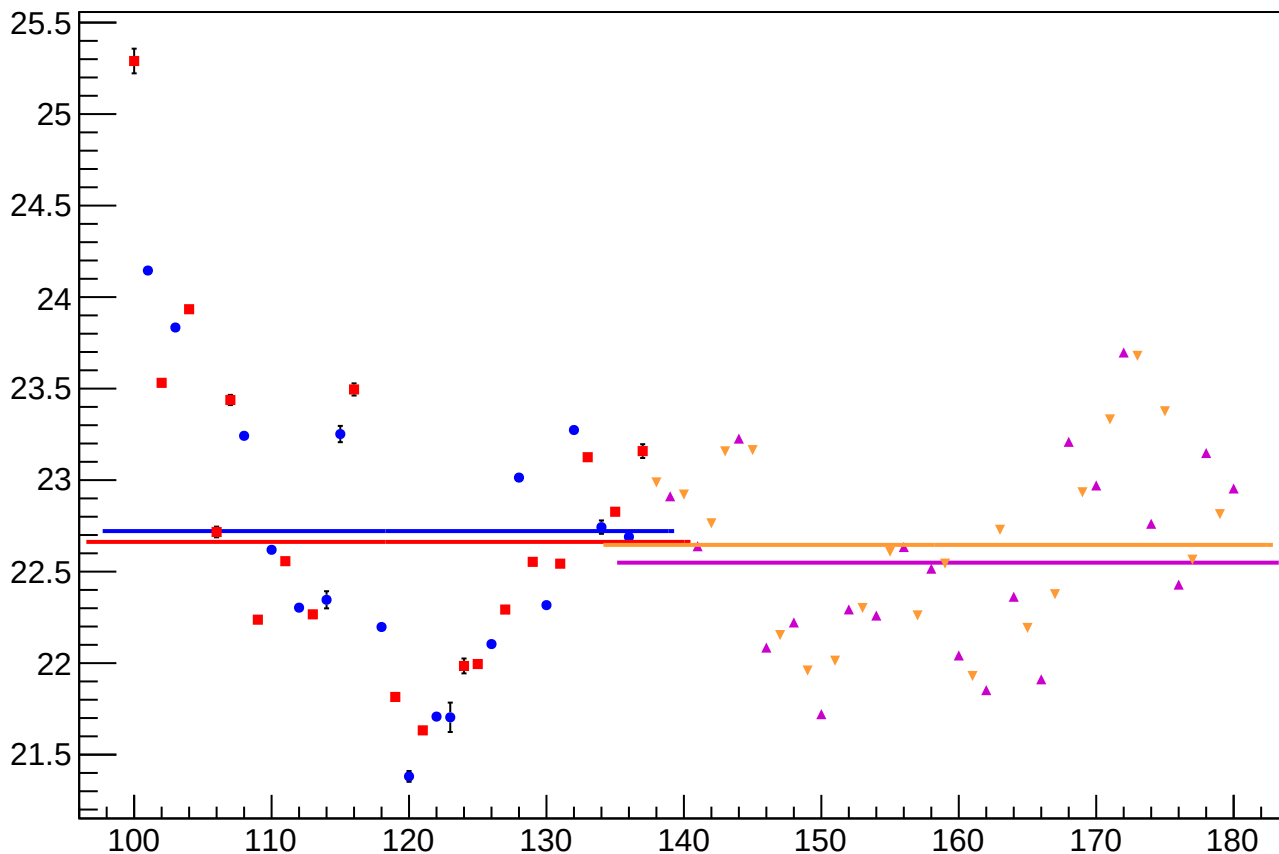
Left In: -6.891 ± 5.560 $\chi^2/\text{NDF}: 17.4/20$

+ sign 7.770 ± 4.695 $\chi^2/\text{NDF}: 45.9/38$

All: 0.641 ± 3.304 $\chi^2/\text{NDF}: 85.1/78$

- sign -6.349 ± 4.650 $\chi^2/\text{NDF}: 34.6/39$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.646 $\pm$ 0.004 χ^2 /NDF: 15134.4/21

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

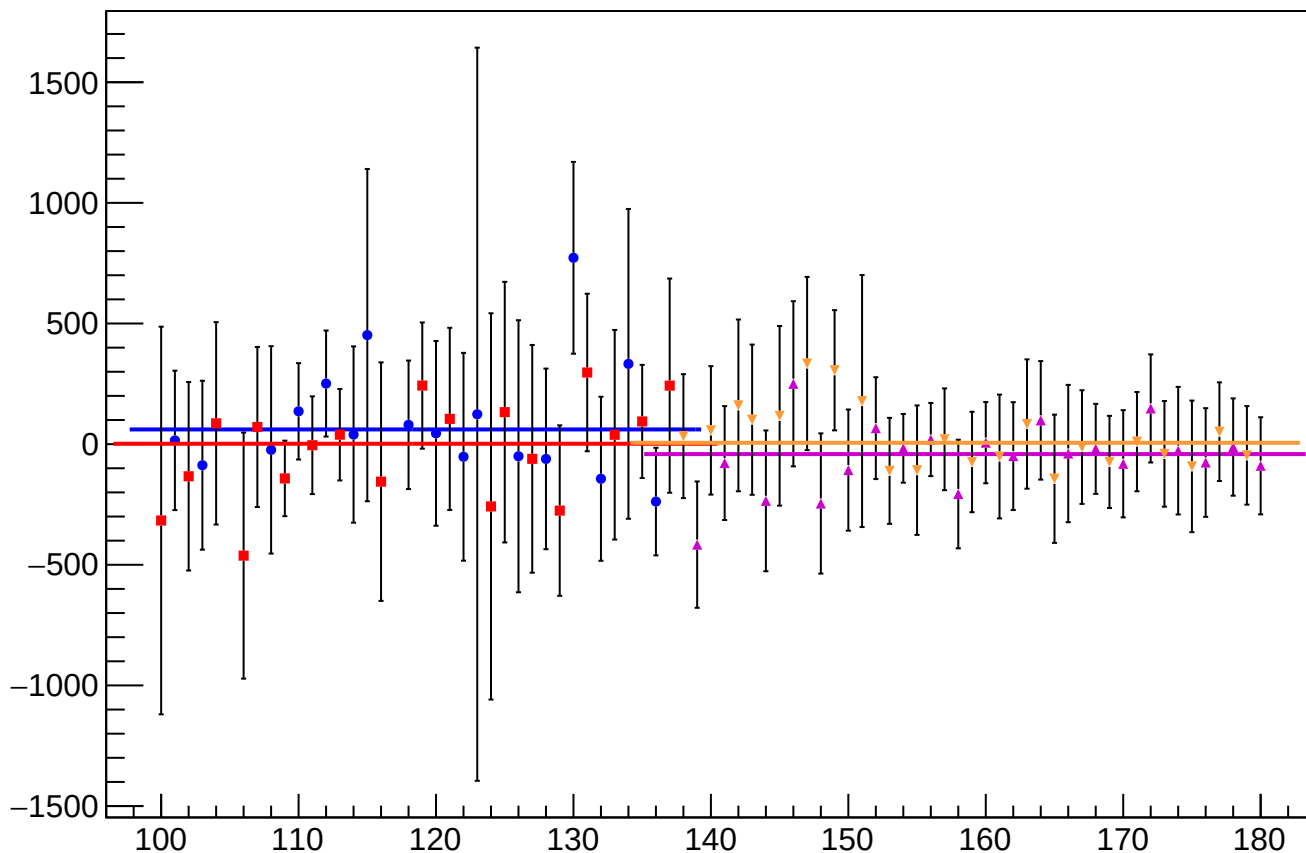
Left In: 22.549 $\pm$ 0.004 χ^2 /NDF: 16478.0/20

+ sign 22.668 $\pm$ 0.003 χ^2 /NDF: 28820.1/38

All: 22.625 $\pm$ 0.002 χ^2 /NDF: 58830.3/78

- sign 22.583 $\pm$ 0.003 χ^2 /NDF: 29683.9/39

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 5.601 $\pm$ 52.927 χ^2 /NDF: 4.4/21

Right Out: 1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

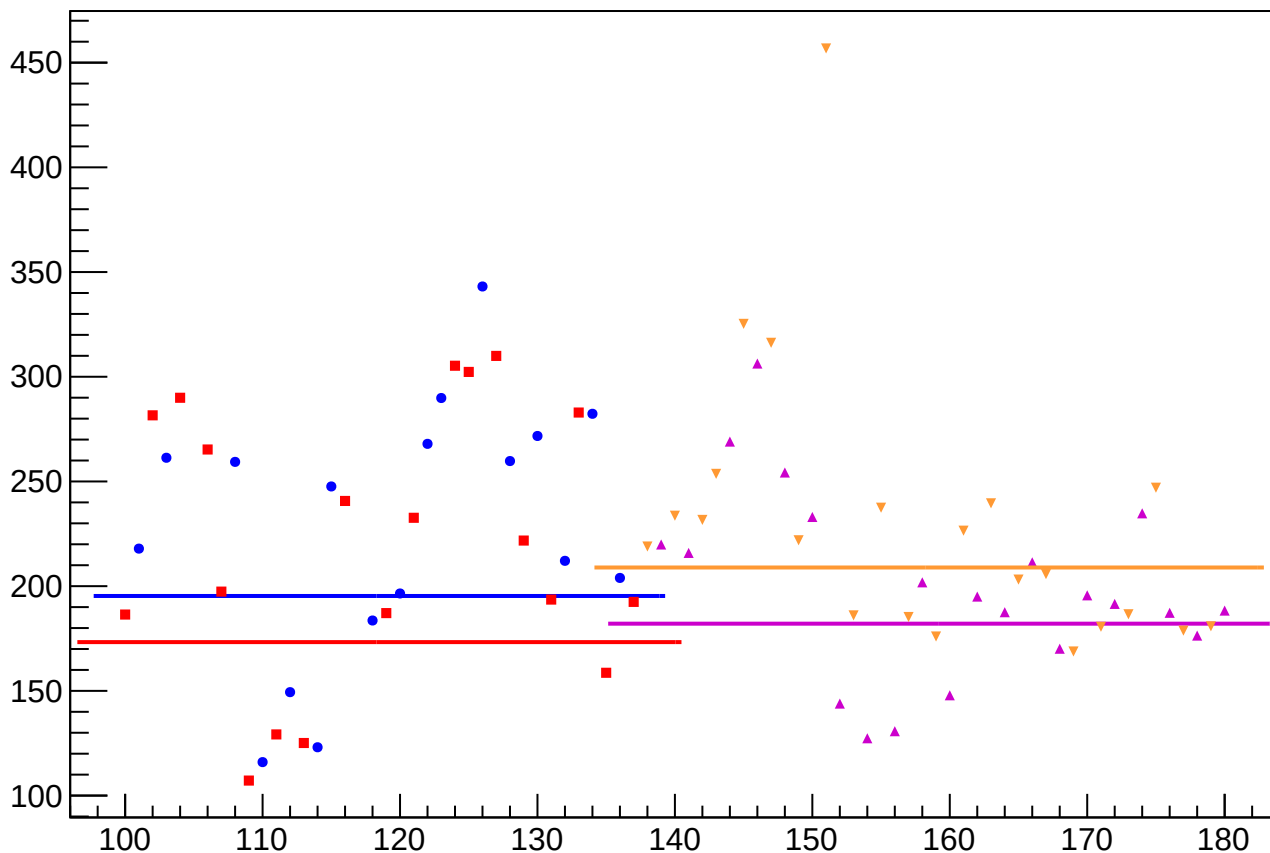
Left In: -41.203 $\pm$ 47.035 χ^2 /NDF: 6.1/20

+ sign 22.397 $\pm$ 44.174 χ^2 /NDF: 11.9/38

All: -5.849 $\pm$ 29.293 χ^2 /NDF: 24.1/78

- sign -28.018 $\pm$ 39.135 χ^2 /NDF: 11.5/39

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 208.917 $\pm$ 0.037 χ^2 /NDF:1323178.1/21

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

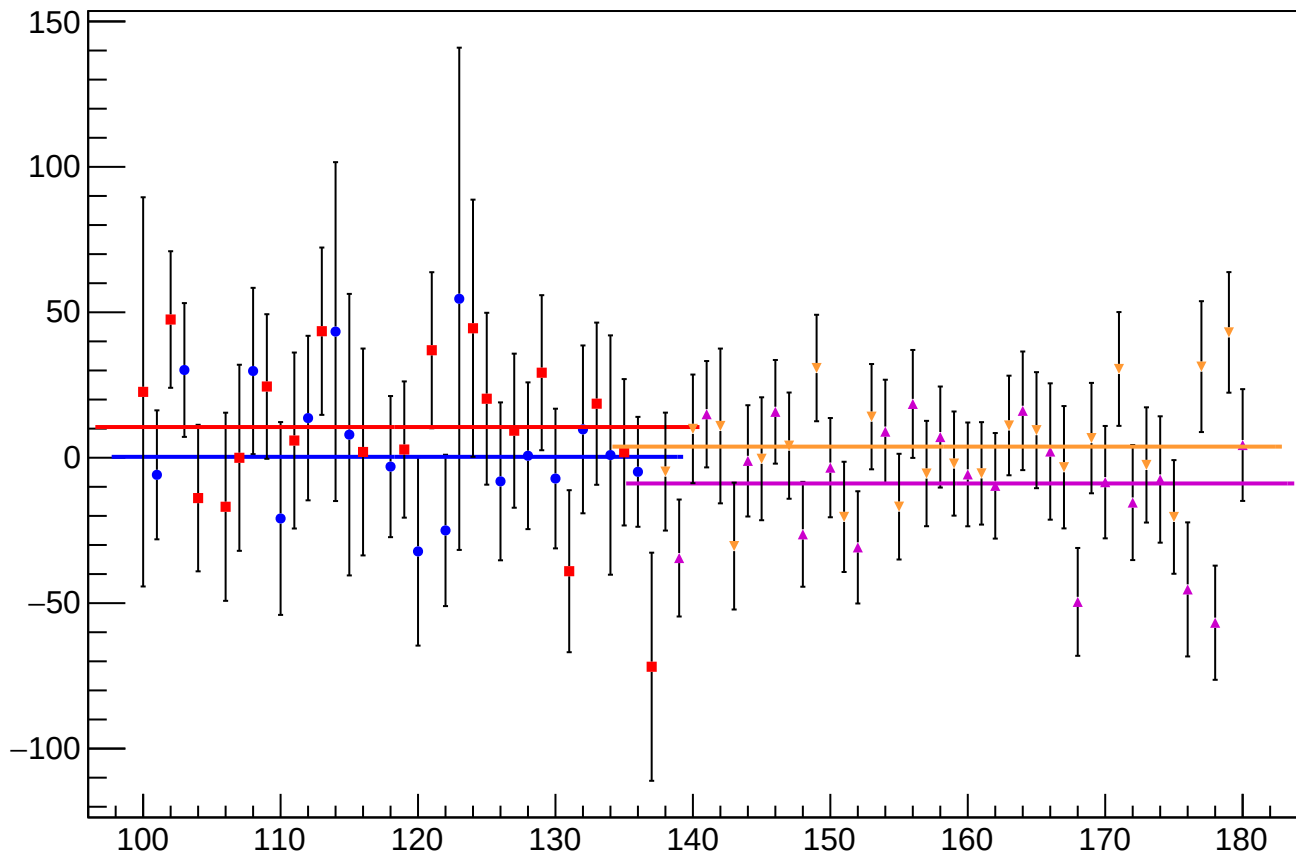
Left In: 182.090 $\pm$ 0.033 χ^2 /NDF:1549750.5/20

+ sign 204.790 $\pm$ 0.031 χ^2 /NDF: 2367463.8/38

All: 190.554 $\pm$ 0.021 χ^2 /NDF: 5887923.0/78

- sign 179.380 $\pm$ 0.028 χ^2 /NDF: 3149699.0/39

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: 3.818 ± 4.140 χ^2/NDF : 17.9/21

Right Out: 10.553 ± 6.628 χ^2/NDF : 16.0/18

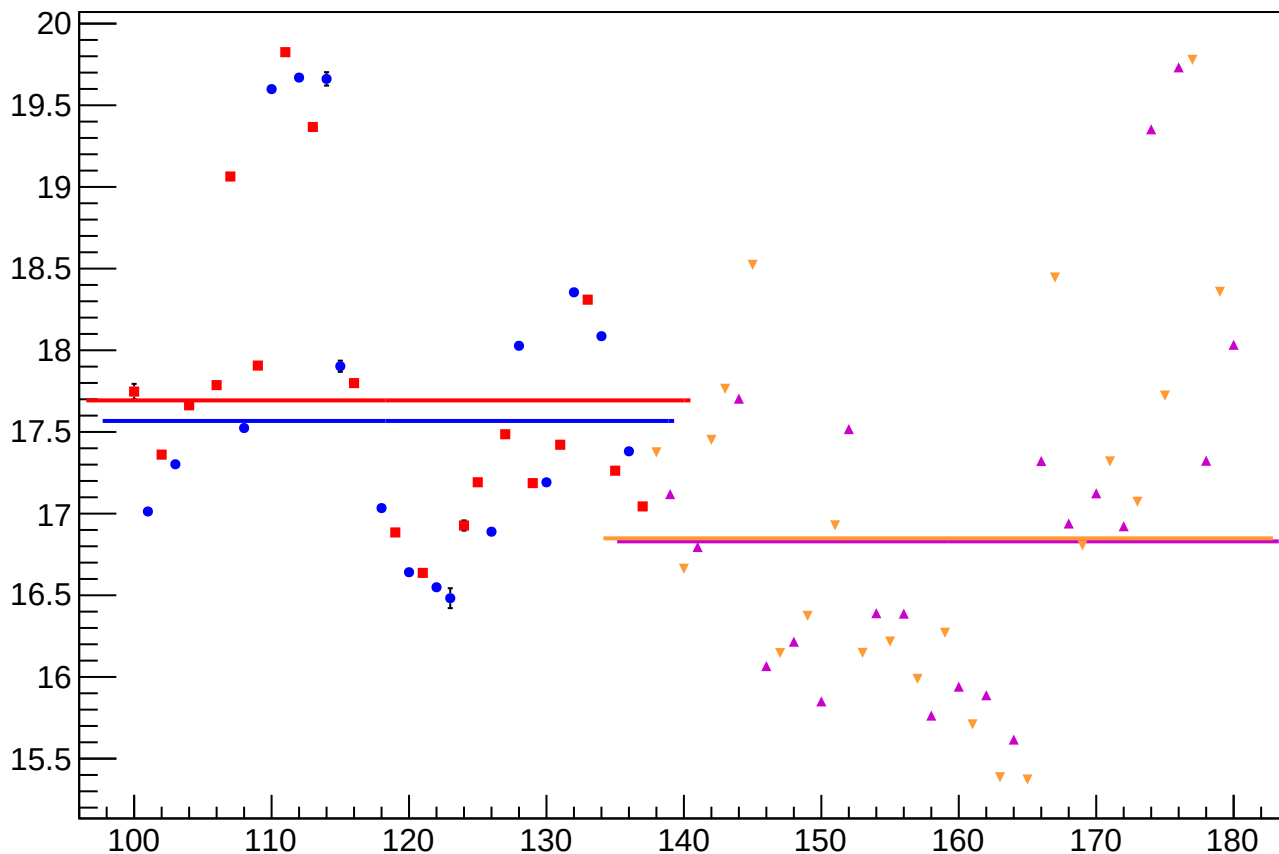
Left In: -8.849 ± 4.161 χ^2/NDF : 27.4/20

+ sign 2.871 ± 3.538 χ^2/NDF : 24.9/38

All: -0.259 ± 2.497 χ^2/NDF : 76.0/78

- sign -3.364 ± 3.524 χ^2/NDF : 49.5/39

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 ± 0.005 χ^2/NDF : 33145.0/16

Left Out: 16.849 ± 0.003 χ^2/NDF : 130391.2/21

Right Out: 17.693 ± 0.005 χ^2/NDF : 30767.1/18

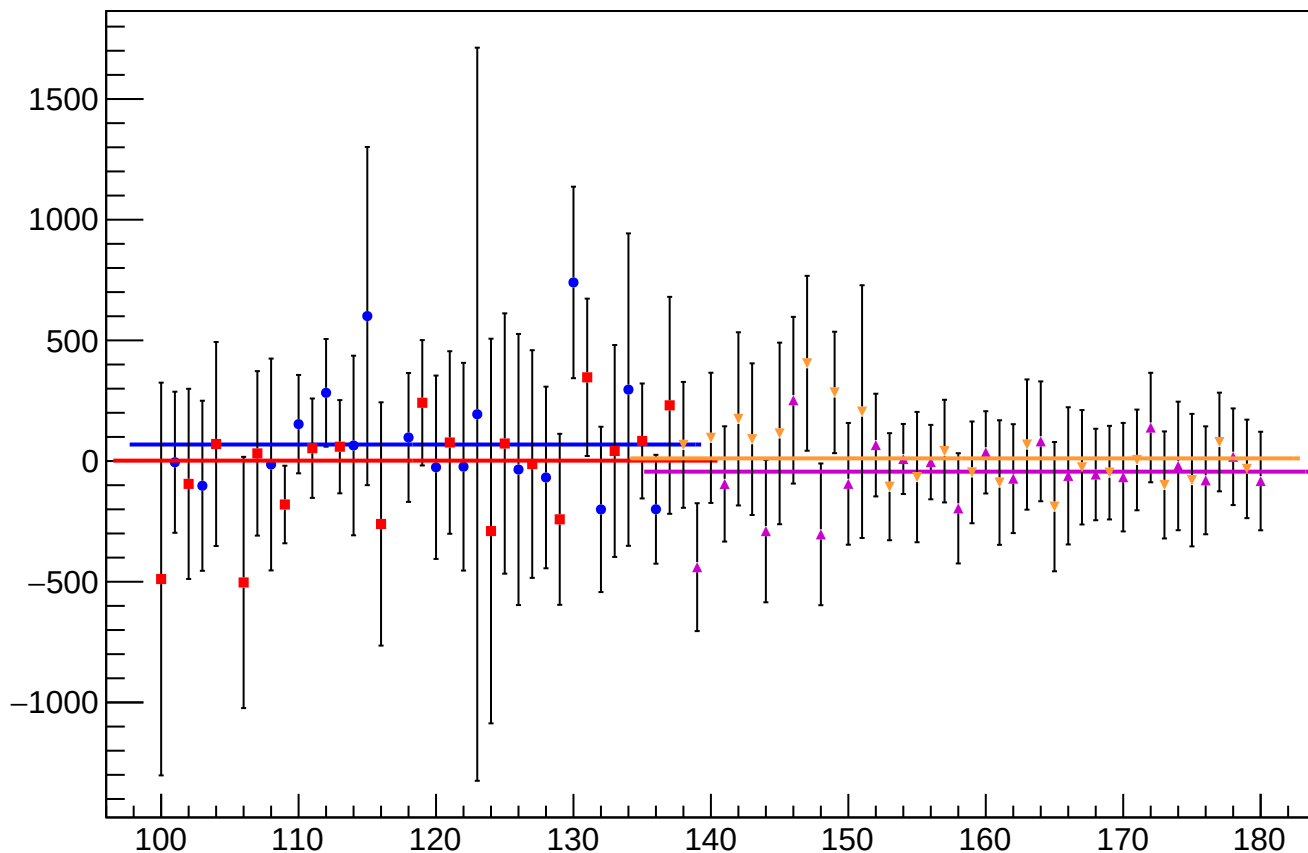
Left In: 16.830 ± 0.003 χ^2/NDF : 116292.9/20

+ sign 17.043 ± 0.003 χ^2/NDF : 179791.7/38

All: 17.058 ± 0.002 χ^2/NDF : 351253.4/78

- sign 17.074 ± 0.002 χ^2/NDF : 171381.3/39

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 11.150 $\pm$ 53.392 χ^2 /NDF: 4.8/21

Right Out: 1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

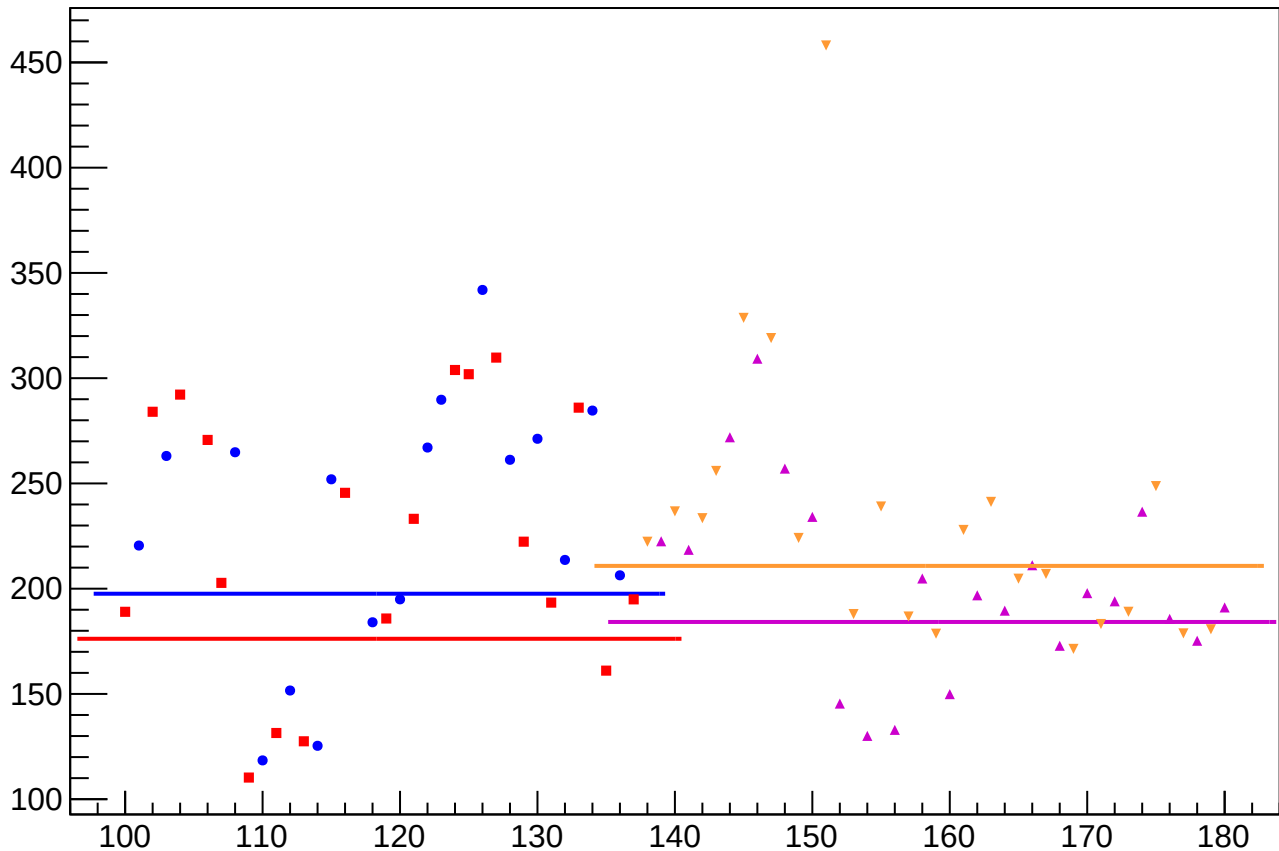
Left In: -43.877 $\pm$ 47.537 χ^2 /NDF: 6.8/20

+ sign 28.532 $\pm$ 44.582 χ^2 /NDF: 12.5/38

All: -4.122 $\pm$ 29.604 χ^2 /NDF: 26.6/78

- sign -29.877 $\pm$ 39.593 χ^2 /NDF: 13.2/39

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 210.827 $\pm$ 0.038 χ^2 /NDF:1316764.8/21

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

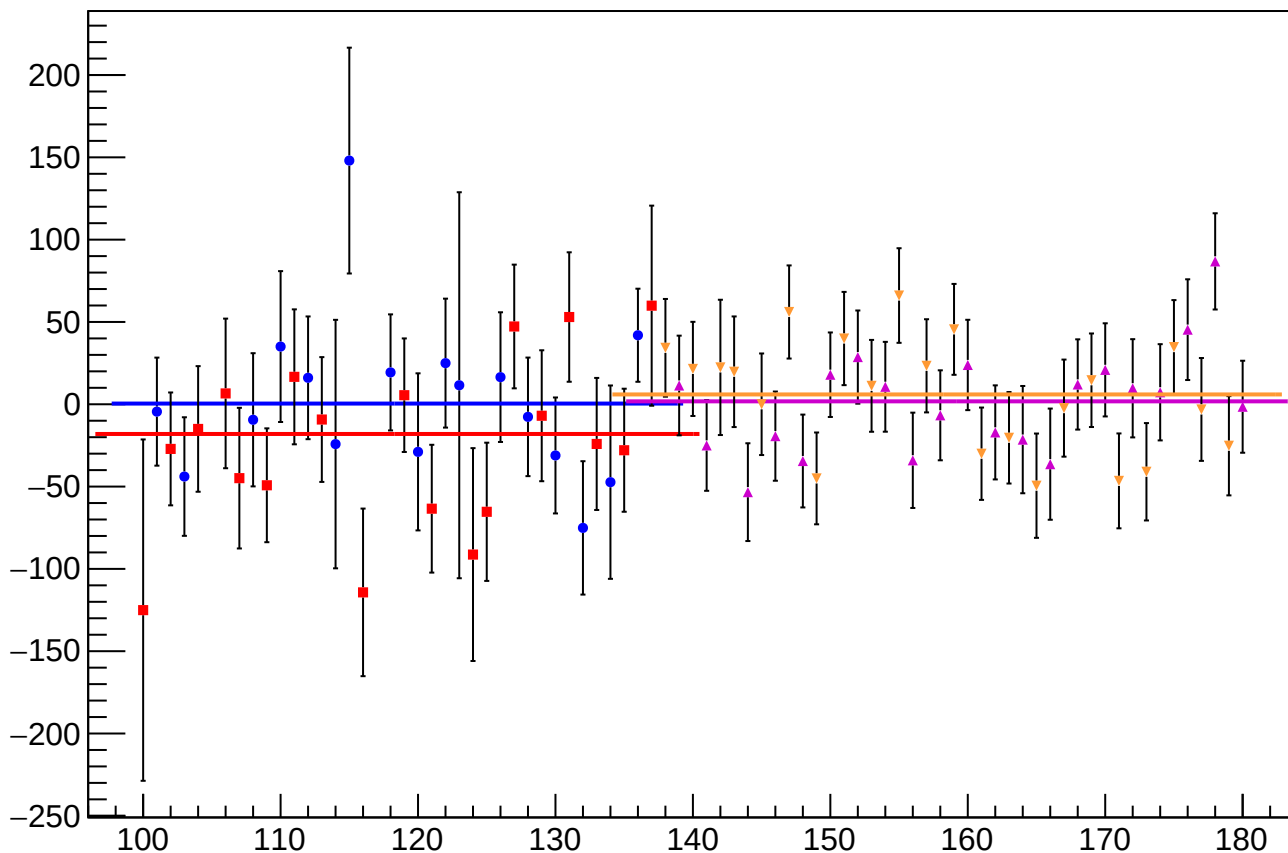
Left In: 184.190 $\pm$ 0.034 χ^2 /NDF:1513488.7/20

+ sign 206.823 $\pm$ 0.032 χ^2 /NDF: 2322739.5/38

All: 192.802 $\pm$ 0.021 χ^2 /NDF: 5727222.9/78

- sign 181.743 $\pm$ 0.028 χ^2 /NDF: 3050622.5/39

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 5.971 ± 6.277 χ^2/NDF : 30.1/21

Right Out: -18.044 ± 9.499 χ^2/NDF : 19.5/18

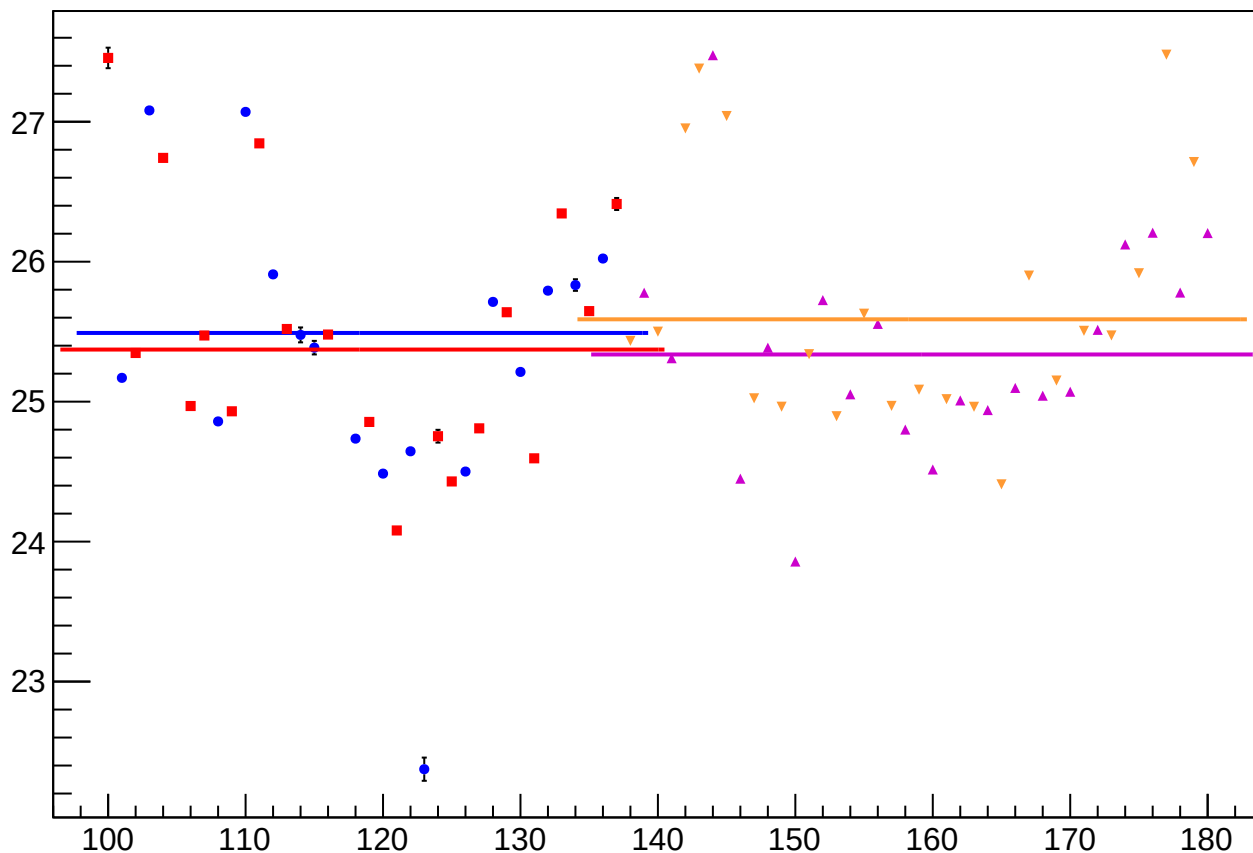
Left In: 1.771 ± 6.254 χ^2/NDF : 23.9/20

+ sign 4.378 ± 5.299 χ^2/NDF : 45.8/38

All: 0.017 ± 3.720 χ^2/NDF : 93.5/78

- sign -4.221 ± 5.223 χ^2/NDF : 46.4/39

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 ± 0.007 χ^2/NDF : 13713.0/16

Left Out: 25.588 ± 0.004 χ^2/NDF : 32931.2/21

Right Out: 25.372 ± 0.007 χ^2/NDF : 13550.5/18

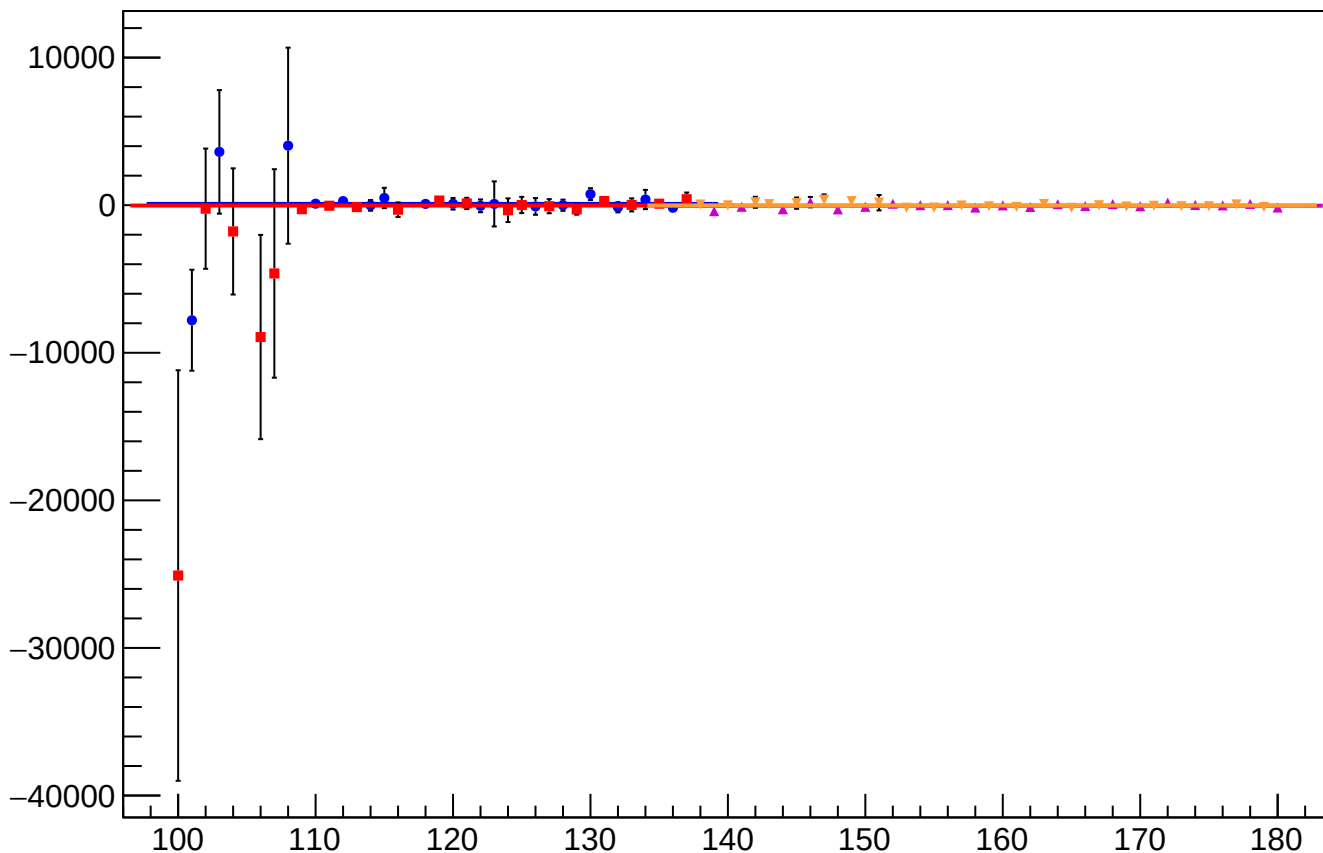
Left In: 25.337 ± 0.004 χ^2/NDF : 29453.5/20

+ sign 25.560 ± 0.004 χ^2/NDF : 46782.6/38

All: 25.452 ± 0.003 χ^2/NDF : 91438.2/78

- sign 25.348 ± 0.004 χ^2/NDF : 43023.1/39

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: -21.454+/-53.233 χ^2/NDF : 5.2/21

Right Out: -23.352+/-80.948 χ^2/NDF : 11.9/18

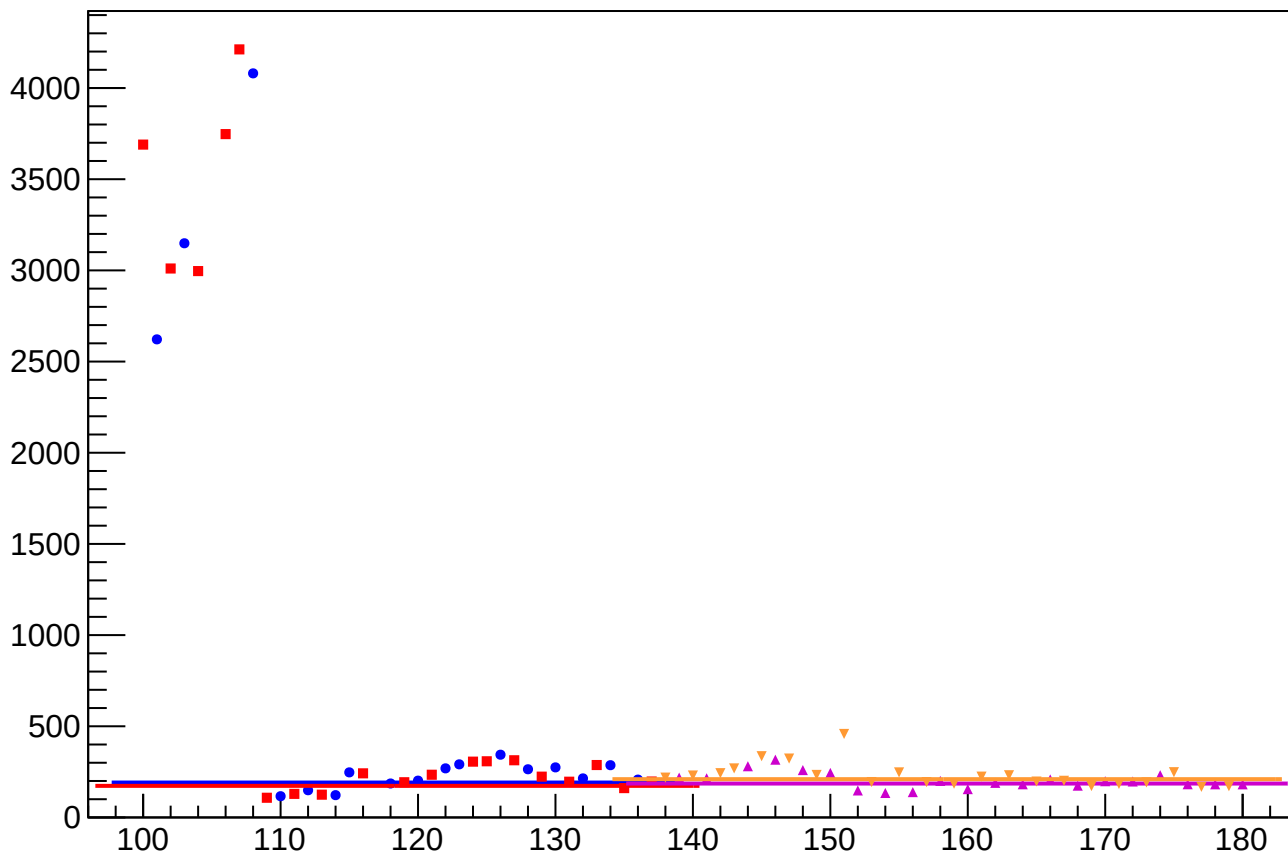
Left In: -35.198+/-47.866 χ^2/NDF : 7.1/20

+ sign 7.279+/-45.606 χ^2/NDF : 18.8/38

All: -14.419+/-30.573 χ^2/NDF : 38.3/78

- sign -32.129+/-41.202 χ^2/NDF : 19.0/39

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 209.962+/-0.038 χ^2/NDF : 1410932.0/21

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

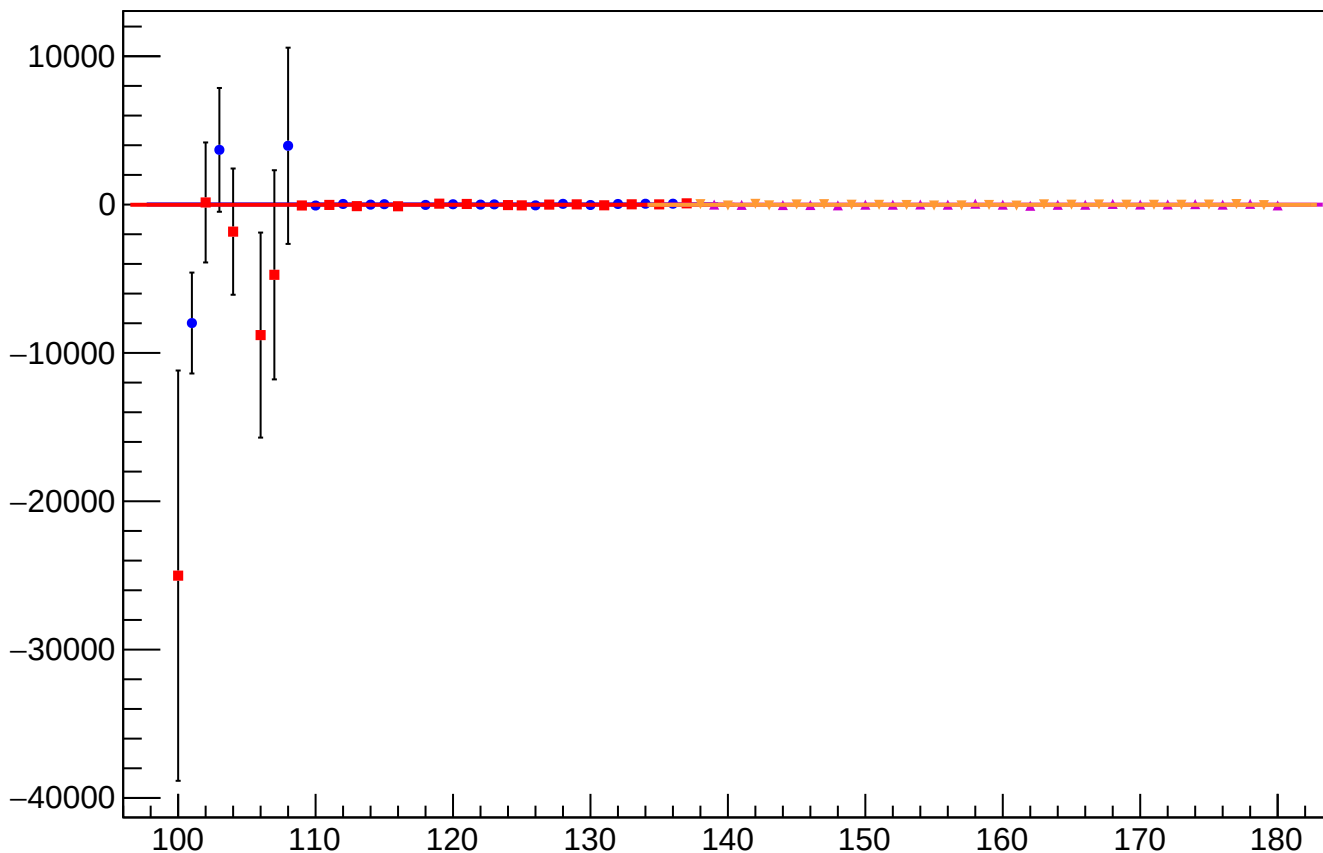
Left In: 185.922+/-0.034 χ^2/NDF : 1384500.6/20

+ sign 205.045+/-0.032 χ^2/NDF : 5048232.0/38

All: 192.715+/-0.022 χ^2/NDF : 10941702.5/78

- sign 182.651+/-0.029 χ^2/NDF : 5627968.7/39

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -14.369+/-7.063 χ^2/NDF : 19.9/21

Right Out: -12.668+/-12.232 χ^2/NDF : 24.8/18

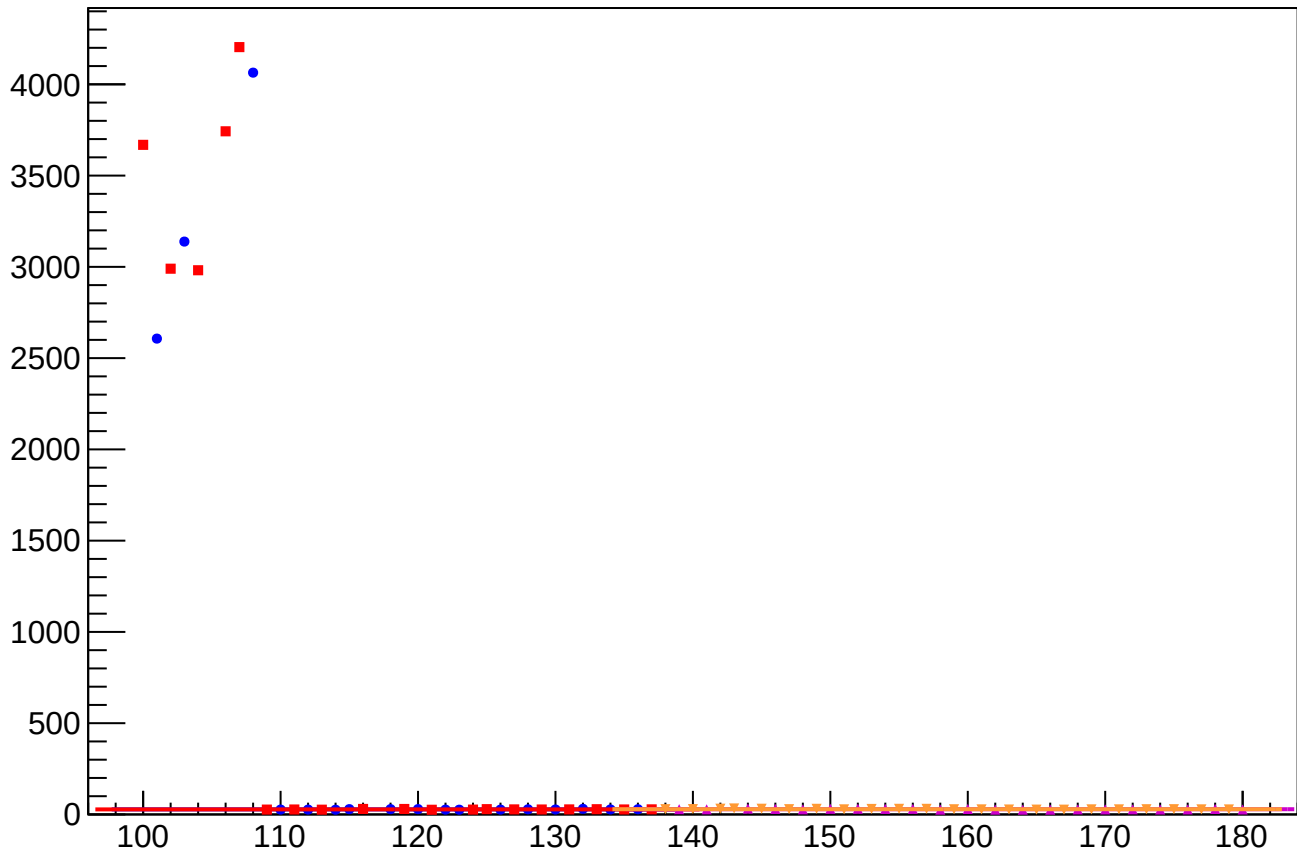
Left In: -5.014+/-7.093 χ^2/NDF : 24.7/20

+ sign -8.242+/-6.123 χ^2/NDF : 41.3/38

All: -7.592+/-4.334 χ^2/NDF : 91.1/78

- sign -6.940+/-6.136 χ^2/NDF : 49.8/39

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855 $\pm$ 0.009 χ^2 /NDF: 3027666.8/16

Left Out: 28.744 $\pm$ 0.005 χ^2 /NDF: 101820.0/21

Right Out: 27.695 $\pm$ 0.009 χ^2 /NDF: 3476852.9/18

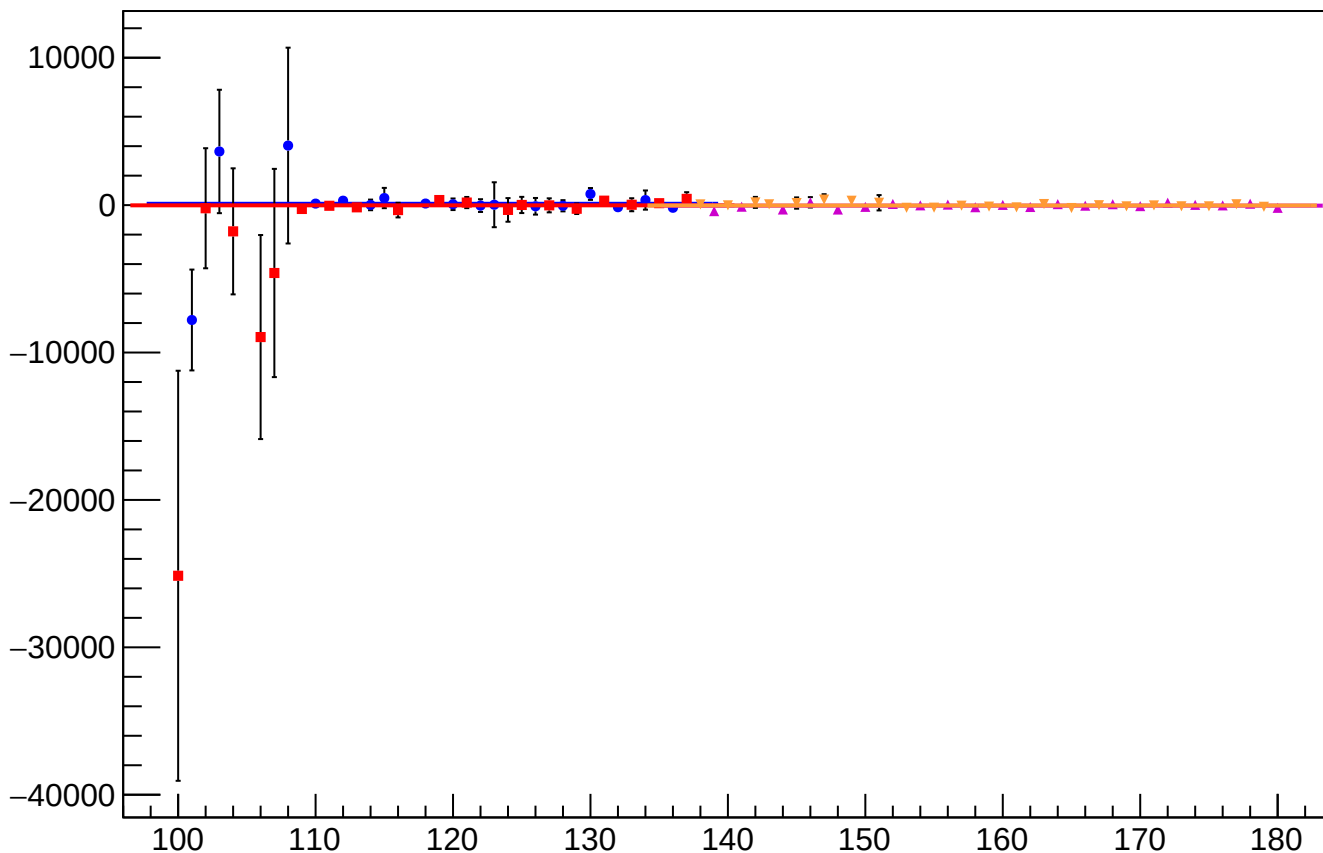
Left In: 28.665 $\pm$ 0.005 χ^2 /NDF: 124665.2/20

+ sign 28.523 $\pm$ 0.004 χ^2 /NDF: 3137358.2/38

All: 28.472 $\pm$ 0.003 χ^2 /NDF: 6748572.5/78

- sign 28.421 $\pm$ 0.004 χ^2 /NDF: 3610939.5/39

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: -23.917+/-53.107 χ^2/NDF : 5.8/21

Right Out: -13.341+/-80.686 χ^2/NDF : 12.7/18

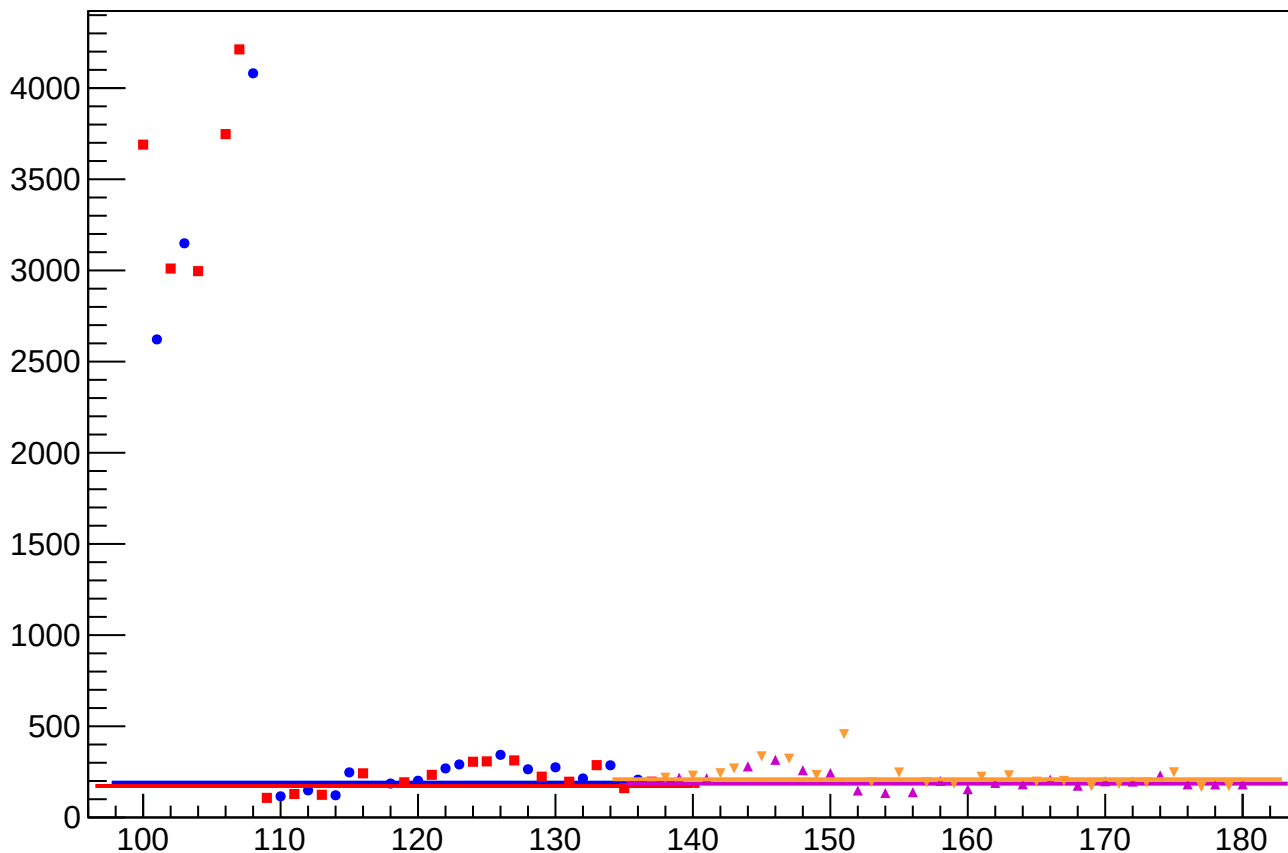
Left In: -35.318+/-47.768 χ^2/NDF : 7.4/20

+ sign 6.627+/-45.489 χ^2/NDF : 19.8/38

All: -13.324+/-30.498 χ^2/NDF : 40.3/78

- sign -29.615+/-41.105 χ^2/NDF : 20.2/39

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 209.462+/-0.038 χ^2/NDF : 1412948.0/21

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

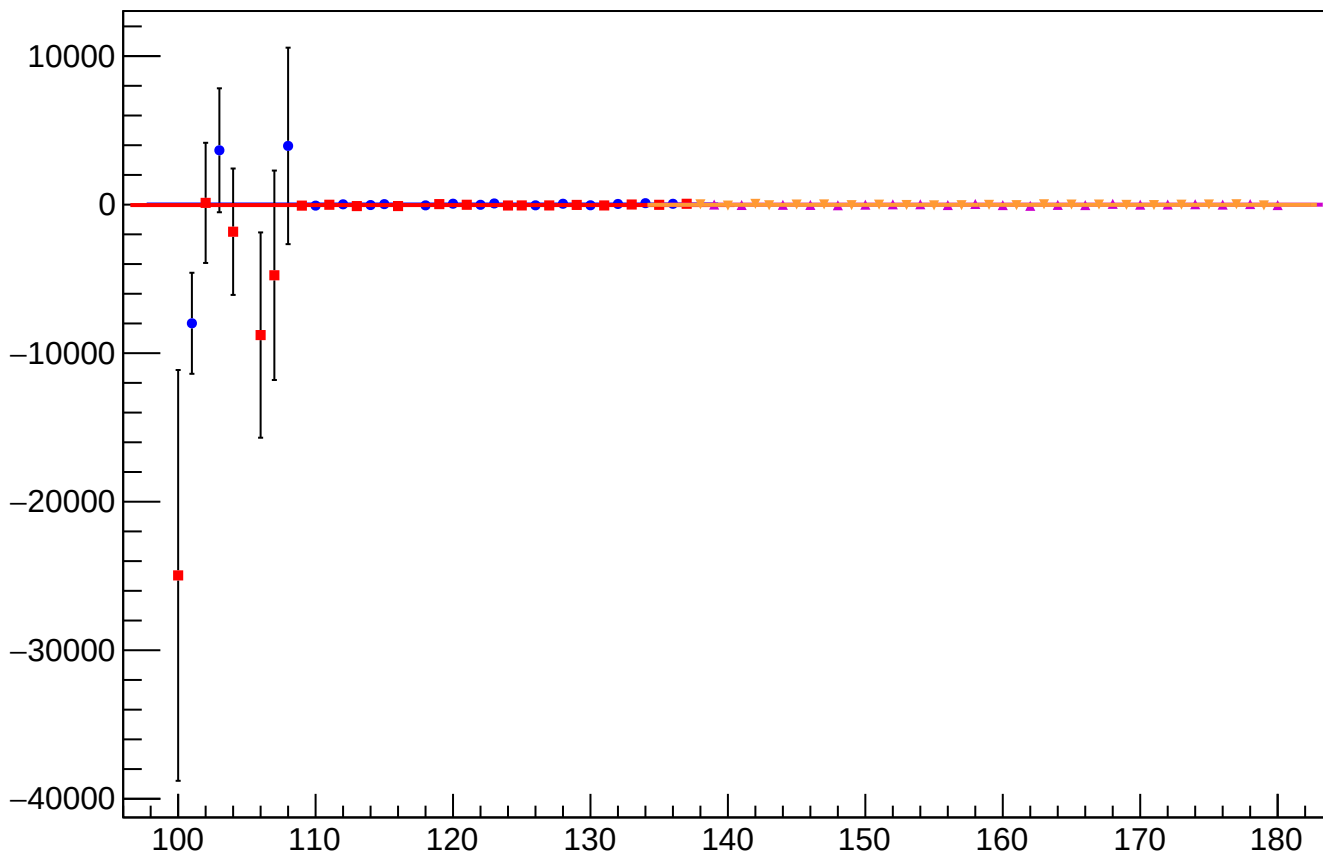
Left In: 185.543+/-0.034 χ^2/NDF : 1384324.9/20

+ sign 204.484+/-0.032 χ^2/NDF : 5063969.8/38

All: 192.212+/-0.022 χ^2/NDF : 10969273.0/78

- sign 182.192+/-0.029 χ^2/NDF : 5640887.3/39

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -12.056 $\pm$ 7.099 χ^2 /NDF: 15.3/21

Right Out: -29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

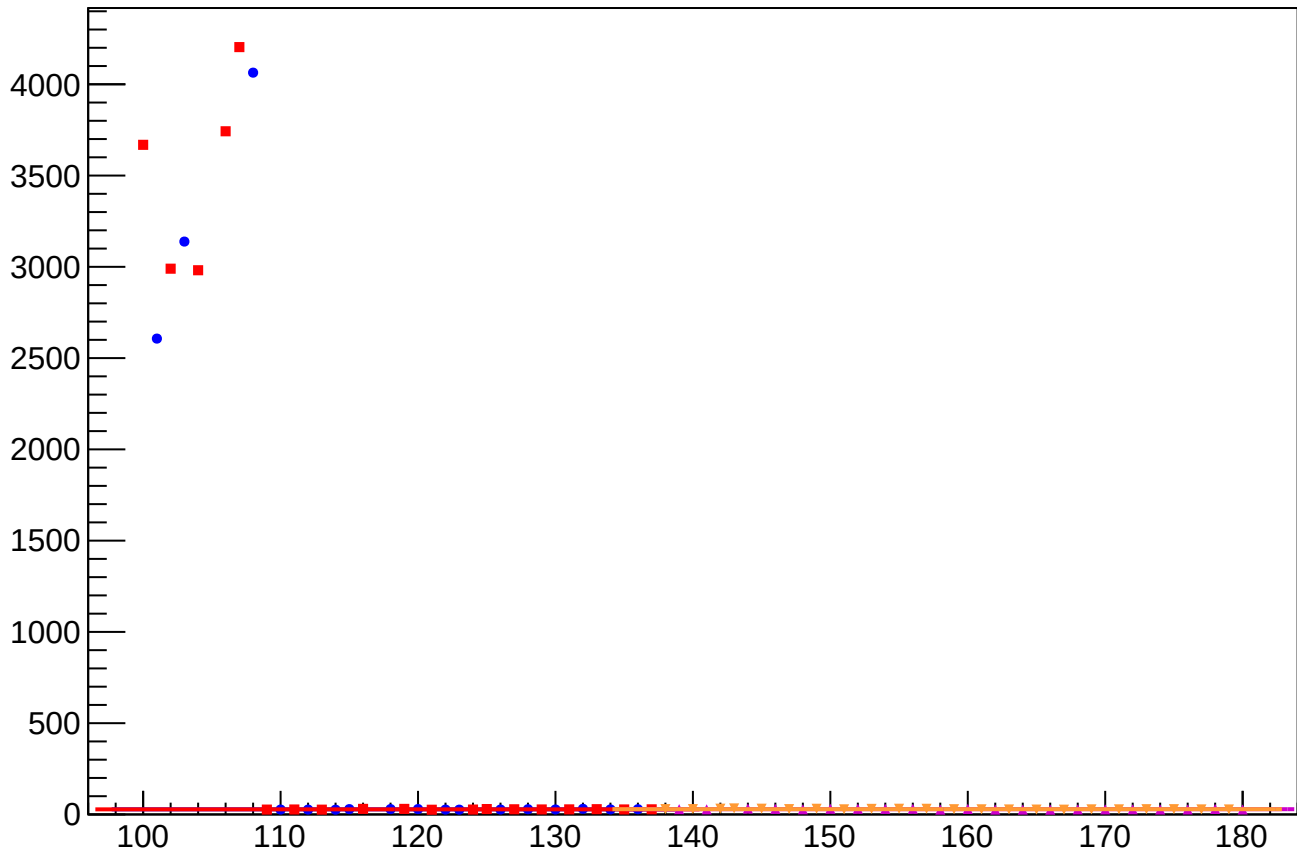
Left In: -2.950 $\pm$ 7.124 χ^2 /NDF: 21.1/20

+ sign -6.937 $\pm$ 6.157 χ^2 /NDF: 40.6/38

All: -8.249 $\pm$ 4.358 χ^2 /NDF: 82.1/78

- sign -9.567 $\pm$ 6.169 χ^2 /NDF: 41.4/39

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 28.885+/-0.005 χ^2/NDF : 111567.5/21

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

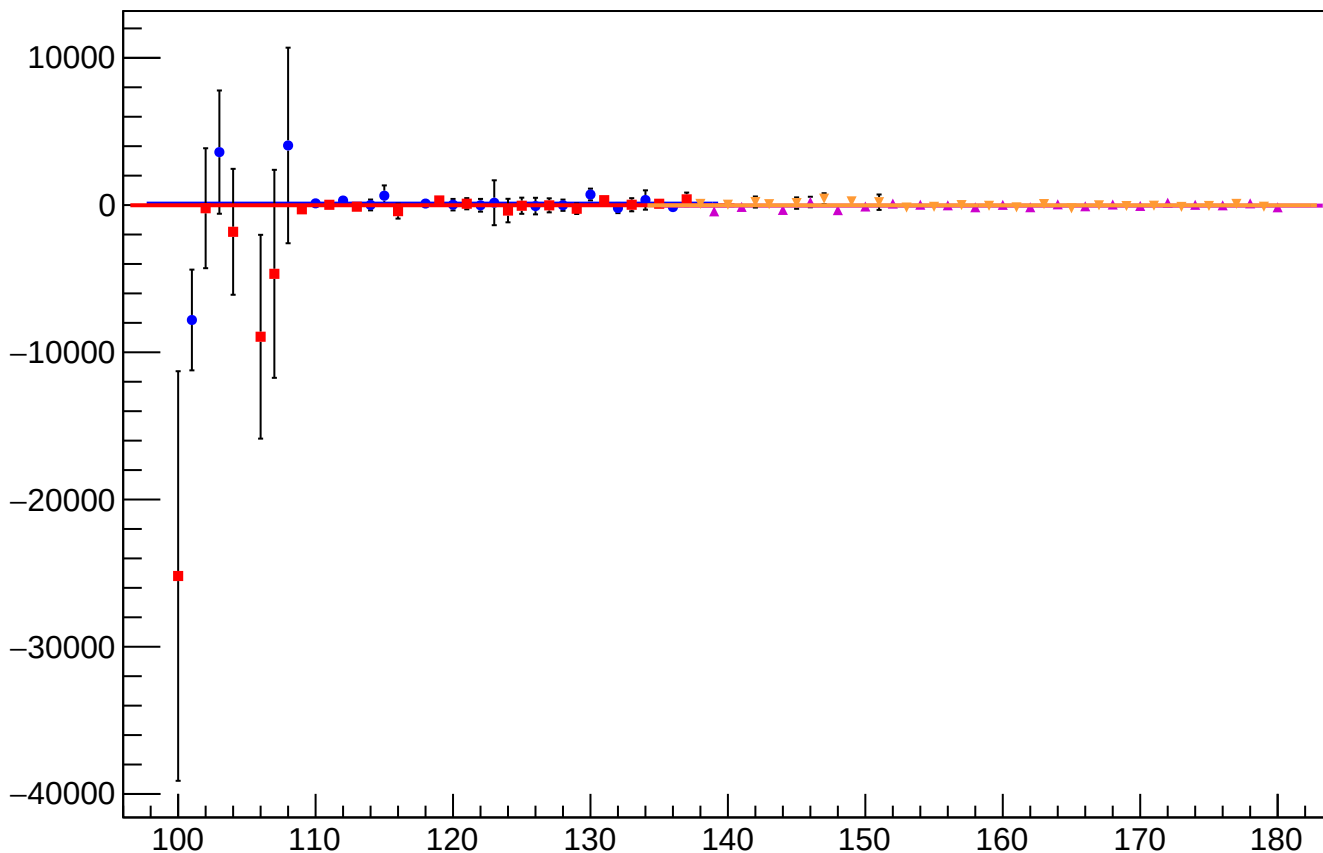
Left In: 28.791+/-0.005 χ^2/NDF : 129328.3/20

+ sign 28.677+/-0.004 χ^2/NDF : 3146429.1/38

All: 28.625+/-0.003 χ^2/NDF : 6763255.1/78

- sign 28.573+/-0.004 χ^2/NDF : 3616541.7/39

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: -15.969 $\pm$ 53.669 χ^2 /NDF: 5.8/21

Right Out: -11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

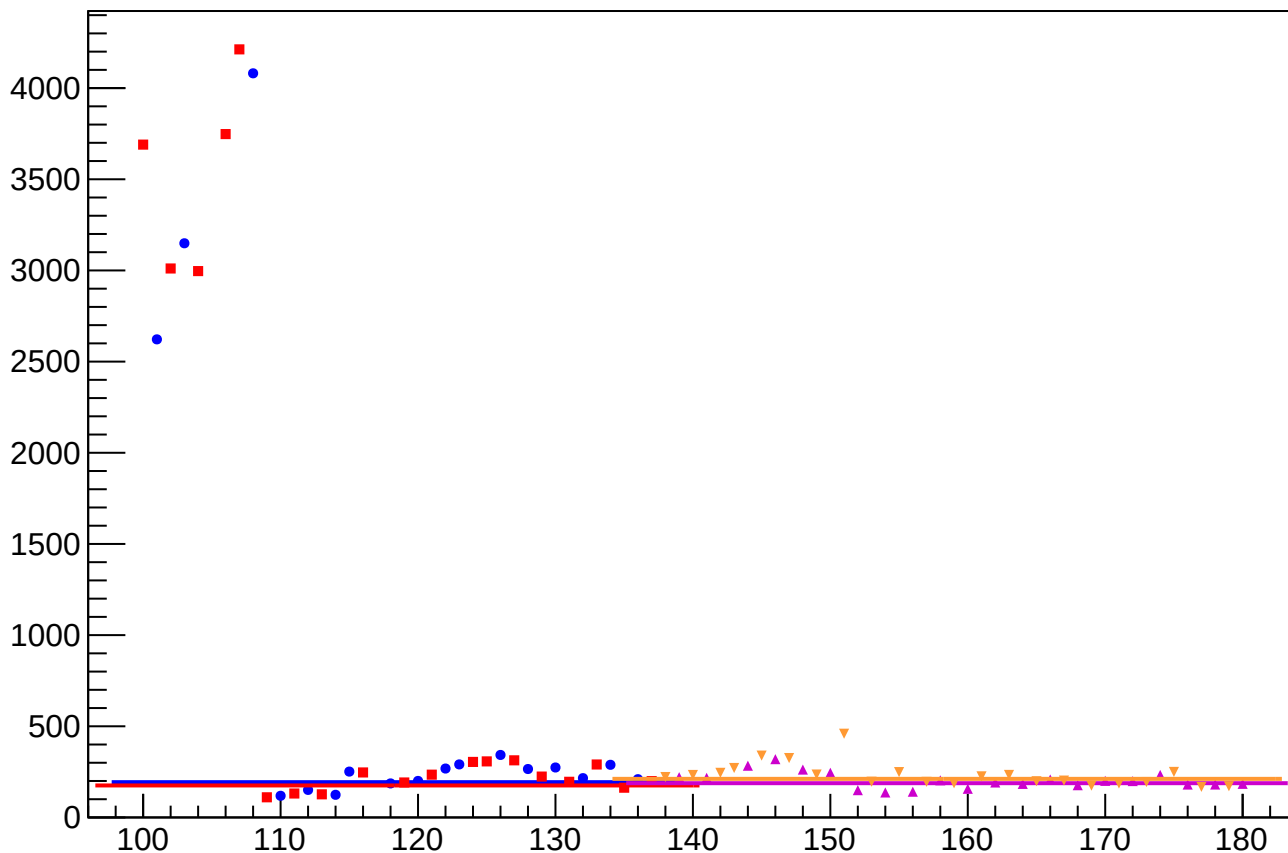
Left In: -37.870 $\pm$ 48.347 χ^2 /NDF: 7.9/20

+ sign 14.359 $\pm$ 45.987 χ^2 /NDF: 19.6/38

All: -10.632 $\pm$ 30.857 χ^2 /NDF: 40.4/78

- sign -31.099 $\pm$ 41.617 χ^2 /NDF: 20.3/39

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 211.720+/-0.038 χ^2/NDF : 1414176.3/21

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

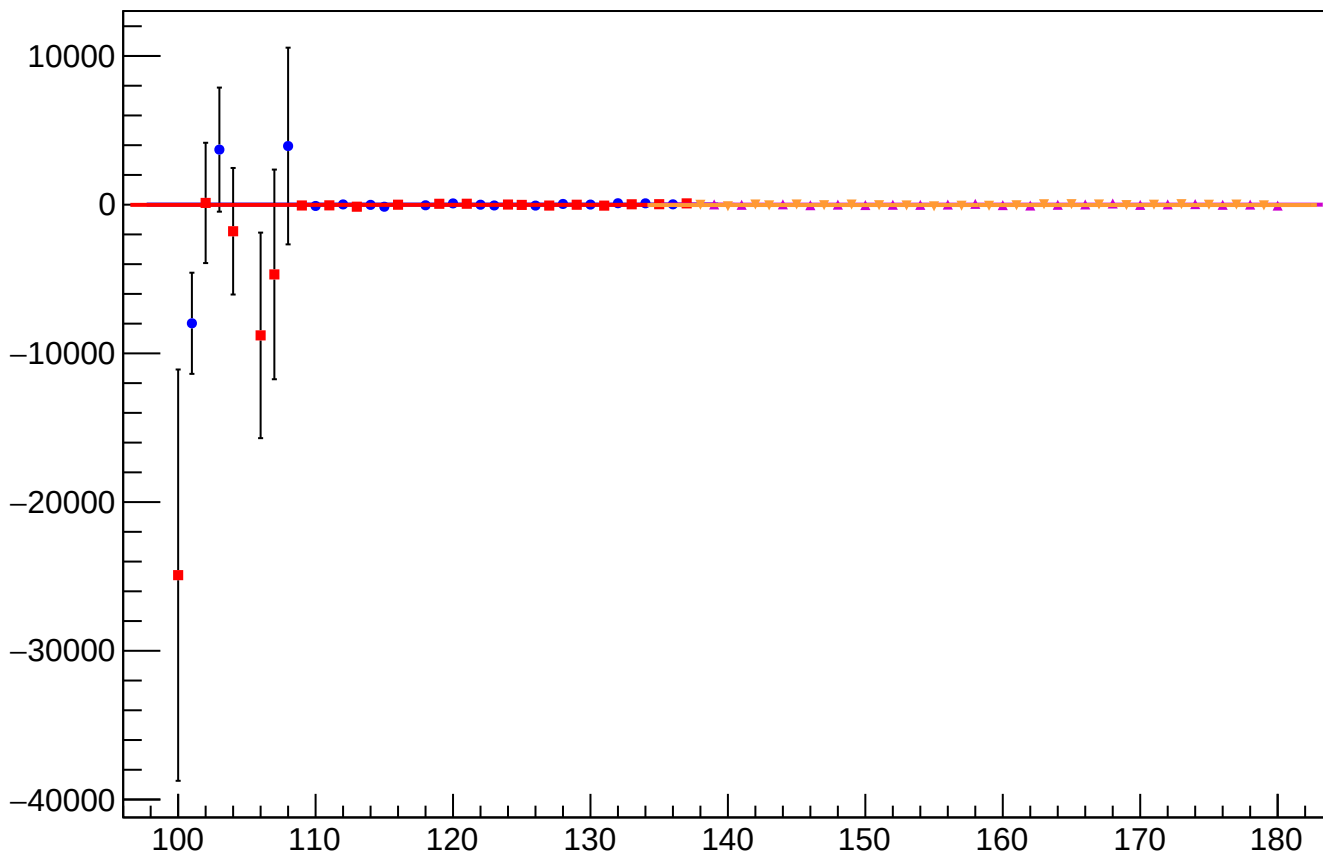
Left In: 187.929+/-0.034 χ^2/NDF : 1355419.5/20

+ sign 206.882+/-0.033 χ^2/NDF : 5012279.9/38

All: 194.694+/-0.022 χ^2/NDF : 10823010.8/78

- sign 184.712+/-0.029 χ^2/NDF : 5555178.3/39

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -24.848 $\pm$ 8.493 χ^2 /NDF:23.4/21

Right Out: -12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

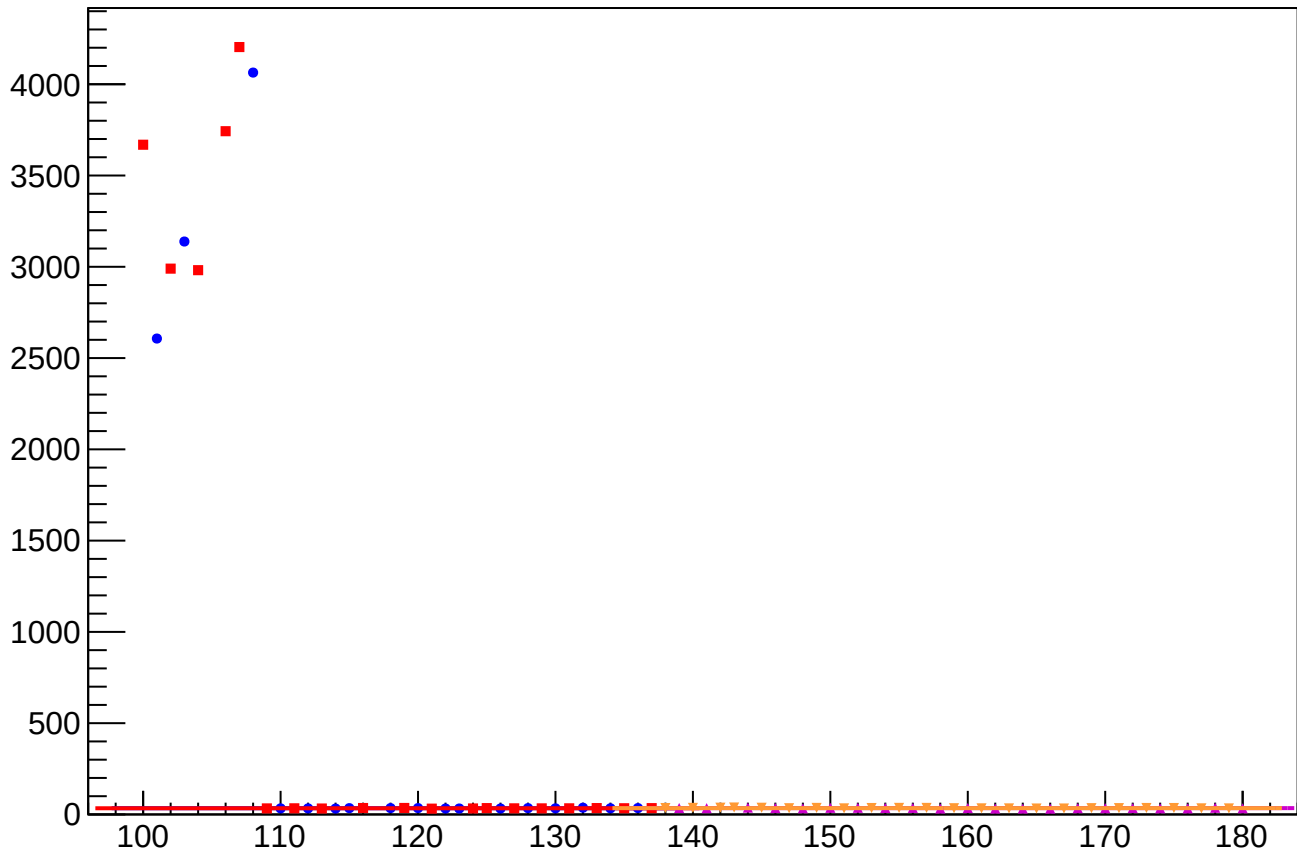
Left In: 1.561 $\pm$ 8.559 χ^2 /NDF:16.0/20

+ sign -17.503 $\pm$ 7.397 χ^2 /NDF: 46.9/38

All: -9.697 $\pm$ 5.241 χ^2 /NDF: 87.7/78

- sign -1.825 $\pm$ 7.428 χ^2 /NDF: 38.6/39

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 34.610 $\pm$ 0.006 χ^2 /NDF: 53490.6/21

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

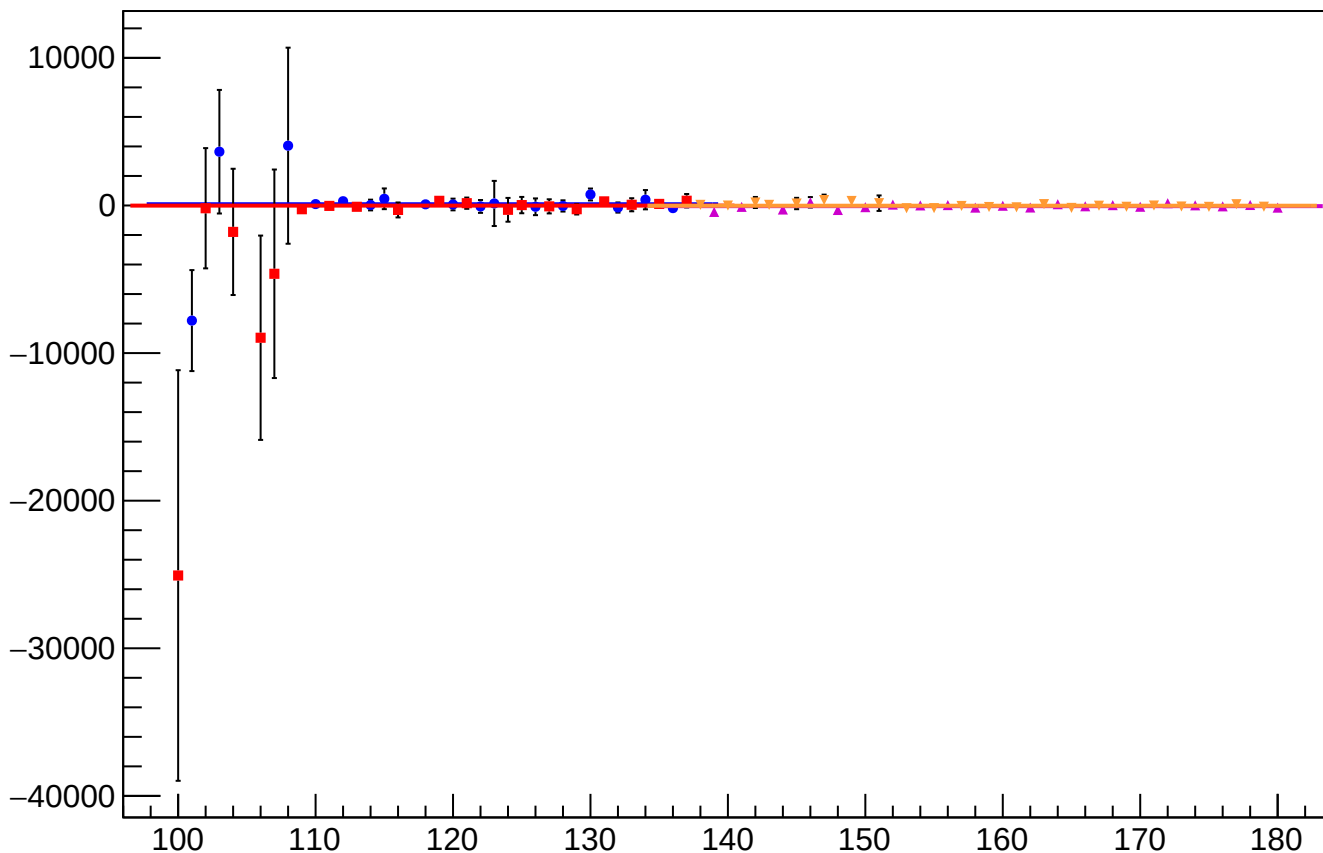
Left In: 34.651 $\pm$ 0.006 χ^2 /NDF: 59714.7/20

+ sign 34.503 $\pm$ 0.005 χ^2 /NDF: 3061314.2/38

All: 34.486 $\pm$ 0.004 χ^2 /NDF: 6576638.2/78

- sign 34.469 $\pm$ 0.005 χ^2 /NDF: 3515302.8/39

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: -16.201+/-53.642 χ^2/NDF : 5.7/21

Right Out: -8.565+/-81.257 χ^2/NDF : 11.1/18

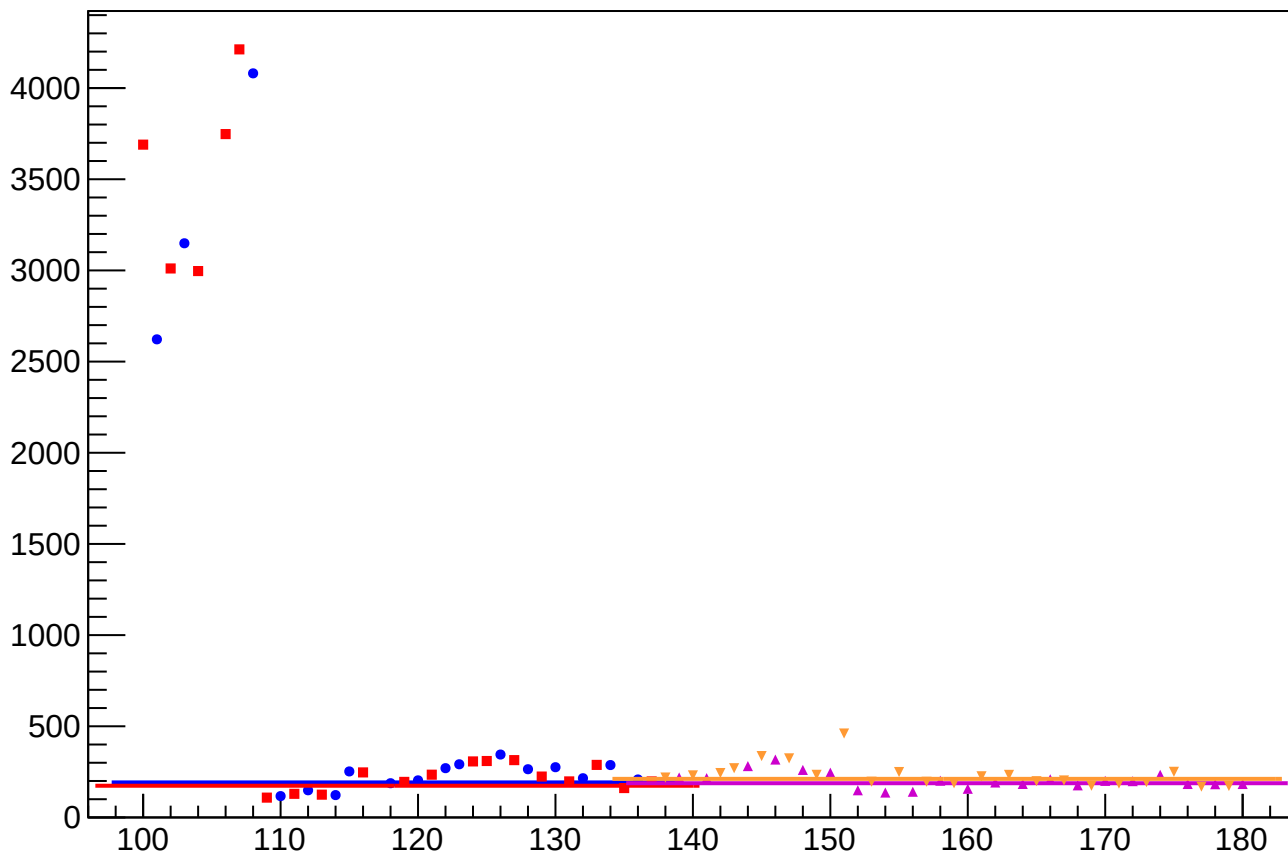
Left In: -45.028+/-48.300 χ^2/NDF : 6.8/20

+ sign 10.747+/-45.908 χ^2/NDF : 19.1/38

All: -14.697+/-30.793 χ^2/NDF : 37.7/78

- sign -35.508+/-41.519 χ^2/NDF : 18.0/39

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 211.675+/-0.038 χ^2/NDF :1390515.0/21

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

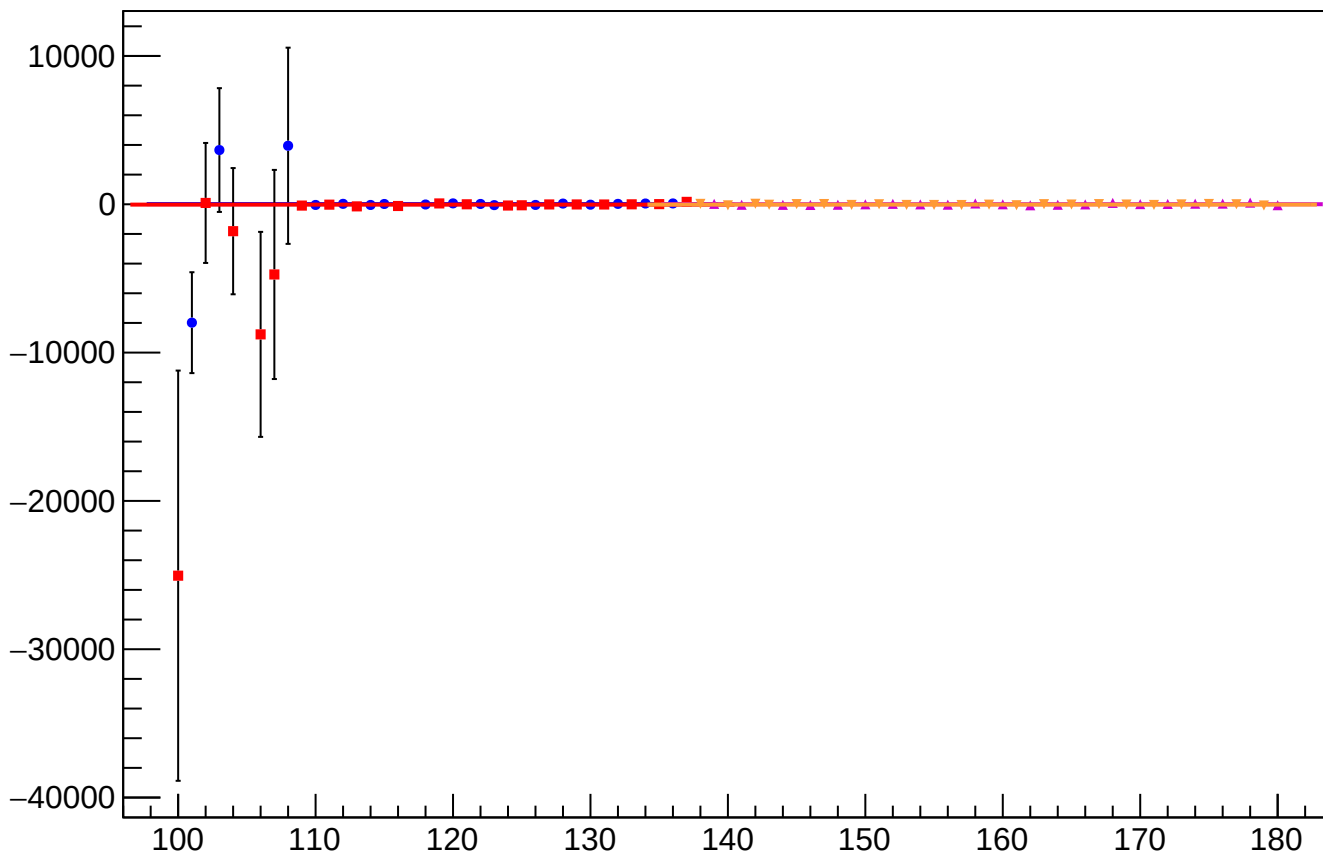
Left In: 187.752+/-0.034 χ^2/NDF :1343095.1/20

+ sign 206.458+/-0.032 χ^2/NDF : 5035843.1/38

All: 194.188+/-0.022 χ^2/NDF : 10892861.1/78

- sign 184.152+/-0.029 χ^2/NDF : 5597286.7/39

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -20.552+/-7.730 χ^2/NDF : 17.3/21

Right Out: -22.618+/-13.660 χ^2/NDF : 28.0/18

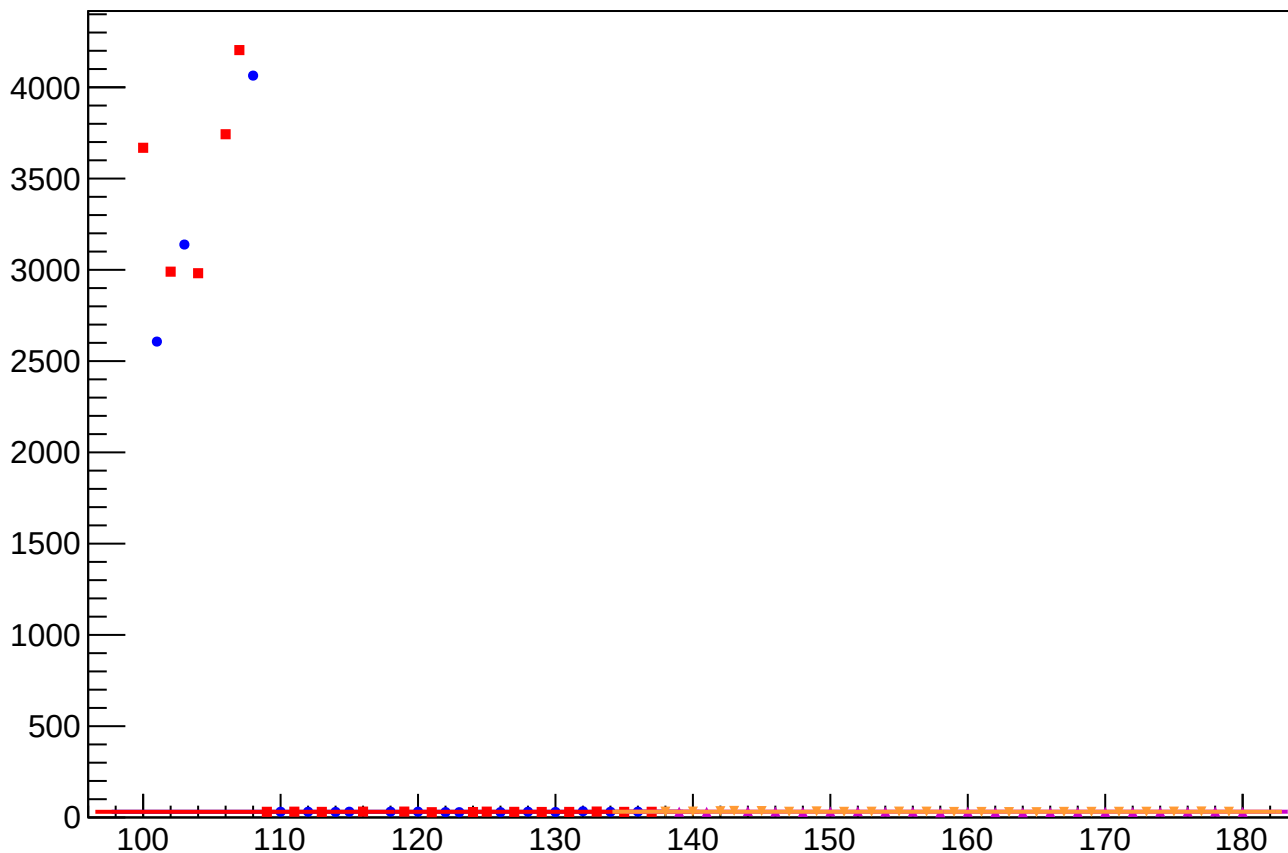
Left In: 3.876+/-7.777 χ^2/NDF : 36.7/20

+ sign -12.530+/-6.735 χ^2/NDF : 36.4/38

All: -7.587+/-4.771 χ^2/NDF : 105.0/78

- sign -2.609+/-6.759 χ^2/NDF : 67.5/39

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 31.477+/-0.005 χ^2/NDF : 77111.8/21

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

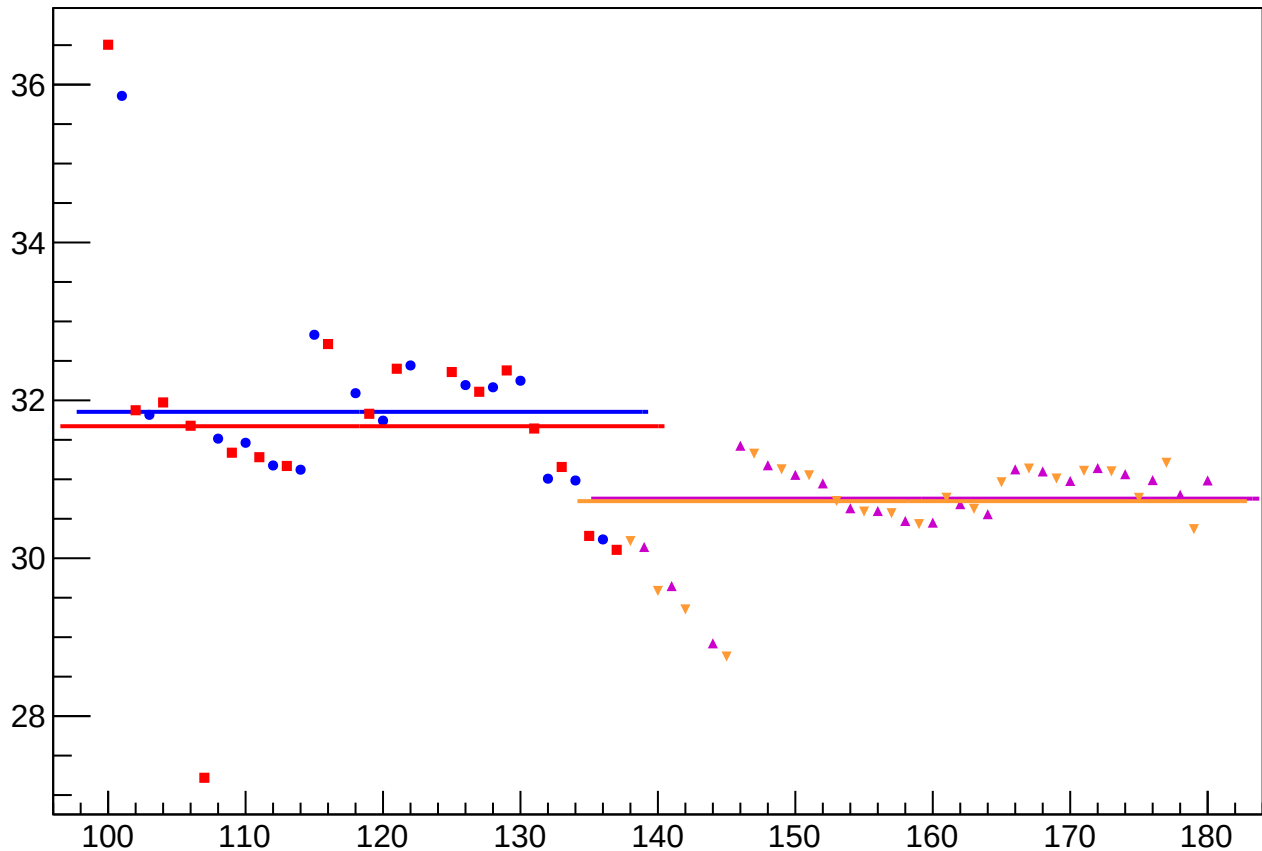
Left In: 31.453+/-0.005 χ^2/NDF : 87351.7/20

+ sign 31.399+/-0.005 χ^2/NDF : 3092472.3/38

All: 31.366+/-0.003 χ^2/NDF : 6640790.2/78

- sign 31.333+/-0.005 χ^2/NDF : 3548222.3/39

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2 /NDF: 1570522165.5/15

Left Out: 30.723+/-0.000 χ^2 /NDF: 766188214.4/20

Right Out: 31.672+/-0.000 χ^2 /NDF: 917899841.8/17

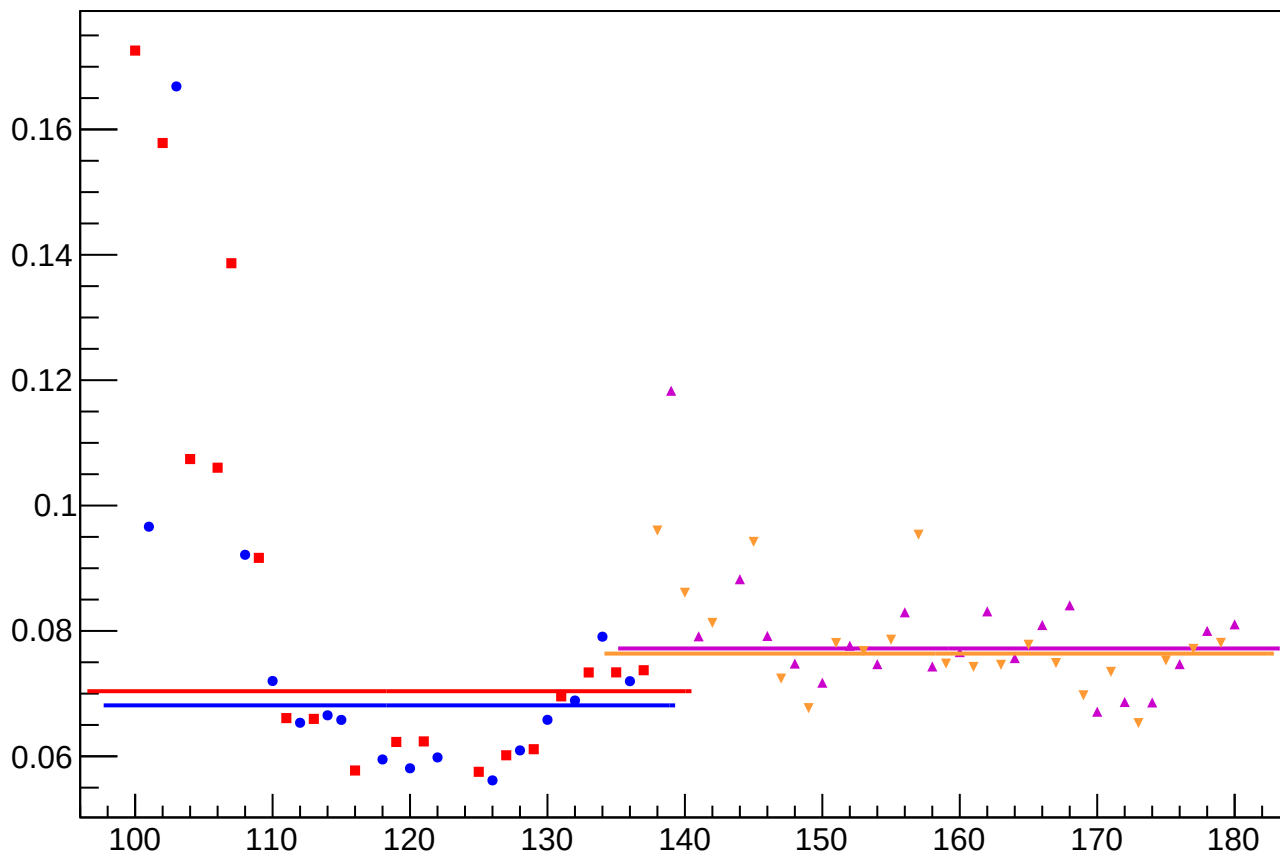
Left In: 30.755+/-0.000 χ^2 /NDF: 696736818.0/20

+ sign 31.102+/-0.000 χ^2 /NDF: 3396156627.1/36

All: 31.077+/-0.000 χ^2 /NDF: 5695324073.0/7

- sign 31.052+/-0.000 χ^2 /NDF: 2294527012.5/38

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:268132.0/20

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

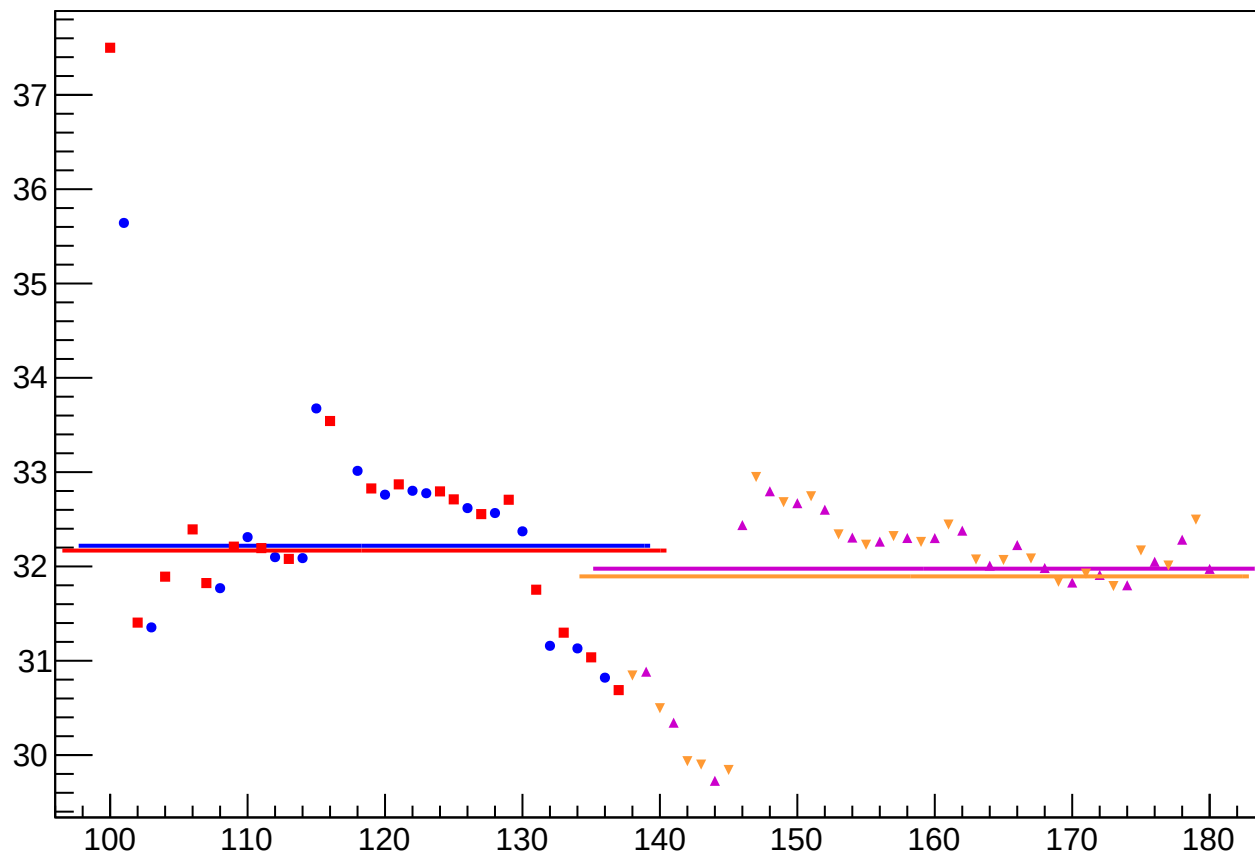
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:320893.5/20

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 1010885.9/36

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 2255261.3/75

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 1237344.3/38

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.895+/-0.000 χ^2/NDF : 1887936894.5/21

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

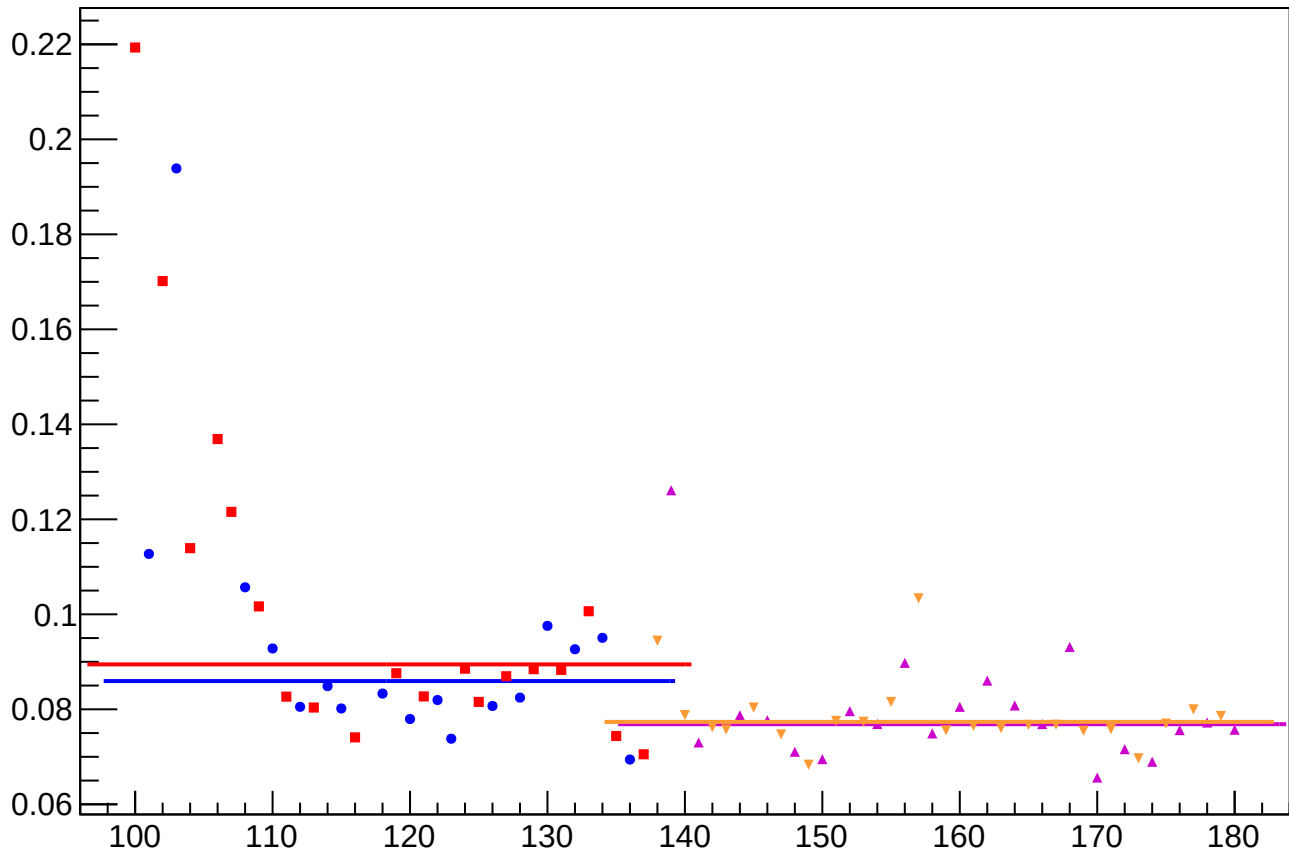
Left In: 31.976+/-0.000 χ^2/NDF : 1420992769.2/20

+ sign 31.971+/-0.000 χ^2/NDF : 2965046543.4/38

All: 31.996+/-0.000 χ^2/NDF : 4854176717.8/77

- sign 32.021+/-0.000 χ^2/NDF : 1885100514.8/39

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 553280.3/16

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:182331.2/21

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 539869.9/18

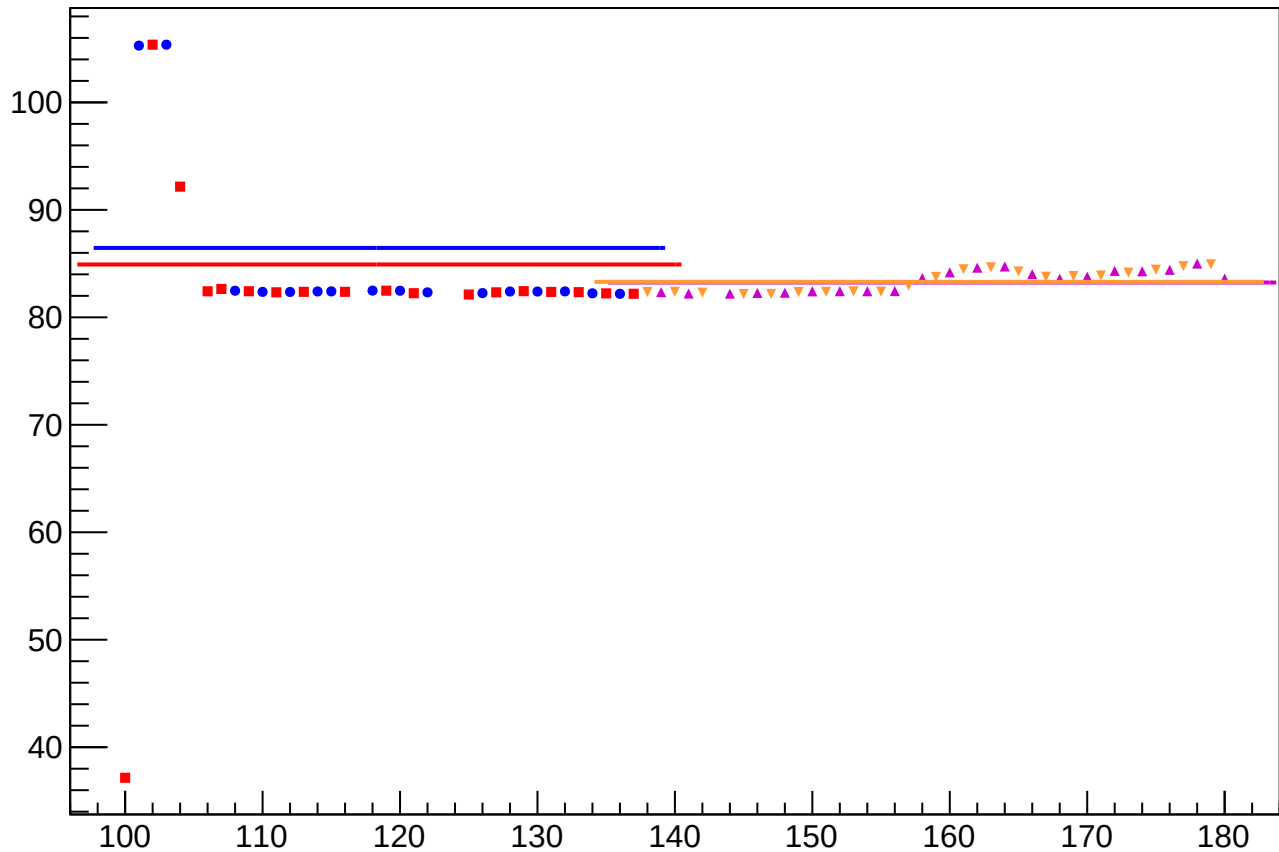
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:422073.6/20

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 824248.0/38

All: 0.080 $\pm$ 0.000 χ^2 /NDF: 1973979.0/78

- sign 0.080 $\pm$ 0.000 χ^2 /NDF: 1149213.9/39

yield_dsl_mean vs Slug



Right In: 86.457 $\pm$ 0.000 χ^2/NDF : 291421048436.2/15

Left Out: 83.302 $\pm$ 0.000 χ^2/NDF : 7787198726.7/20

Right Out: 84.920 $\pm$ 0.000 χ^2/NDF : 172195187677.7/17

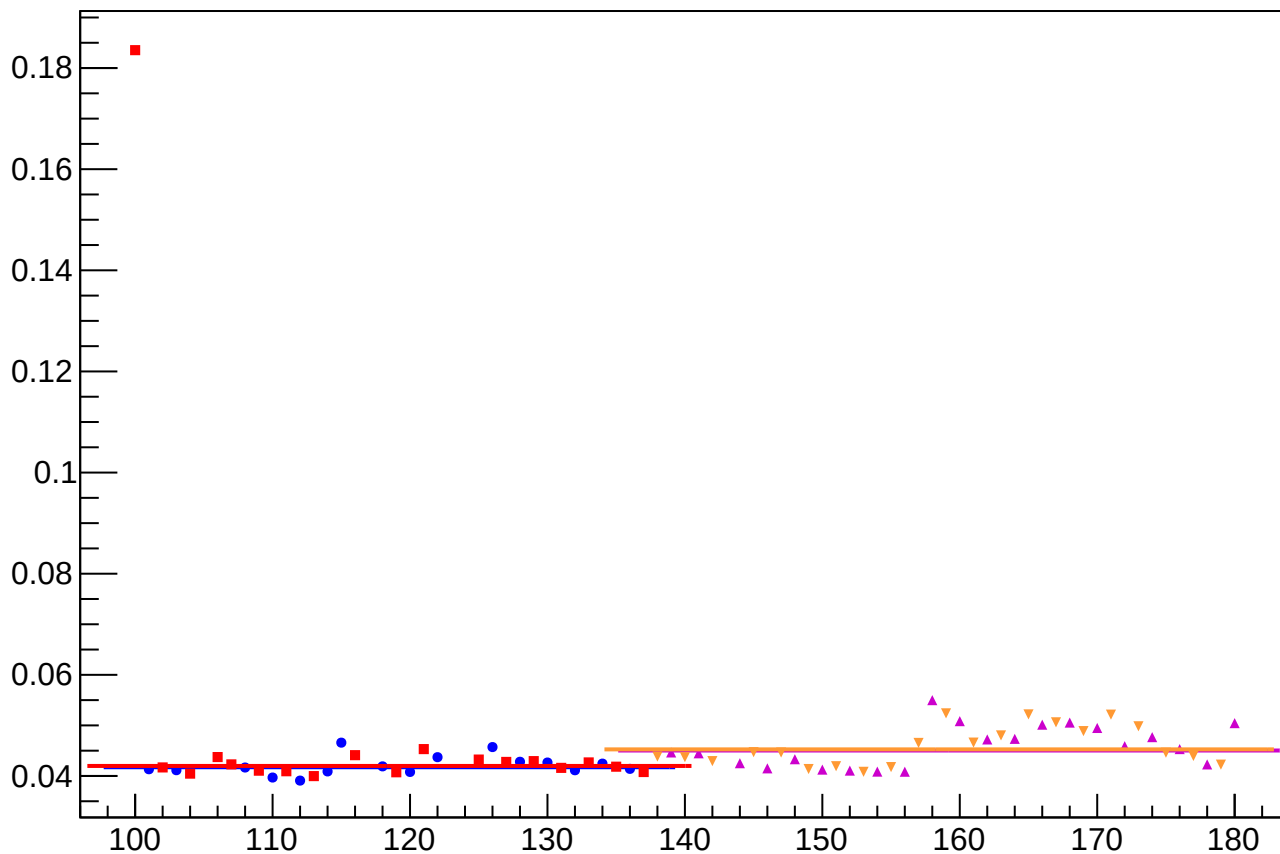
Left In: 83.241 $\pm$ 0.000 χ^2/NDF : 7718420628.3/20

+ sign 84.353 $\pm$ 0.000 χ^2/NDF : 324221802692.4/36

All: 84.070 $\pm$ 0.000 χ^2/NDF : 513266129358.0

- sign 83.798 $\pm$ 0.000 χ^2/NDF : 187267340595.3/38

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.045+/-0.000 χ^2/NDF : 189220.0/20

Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

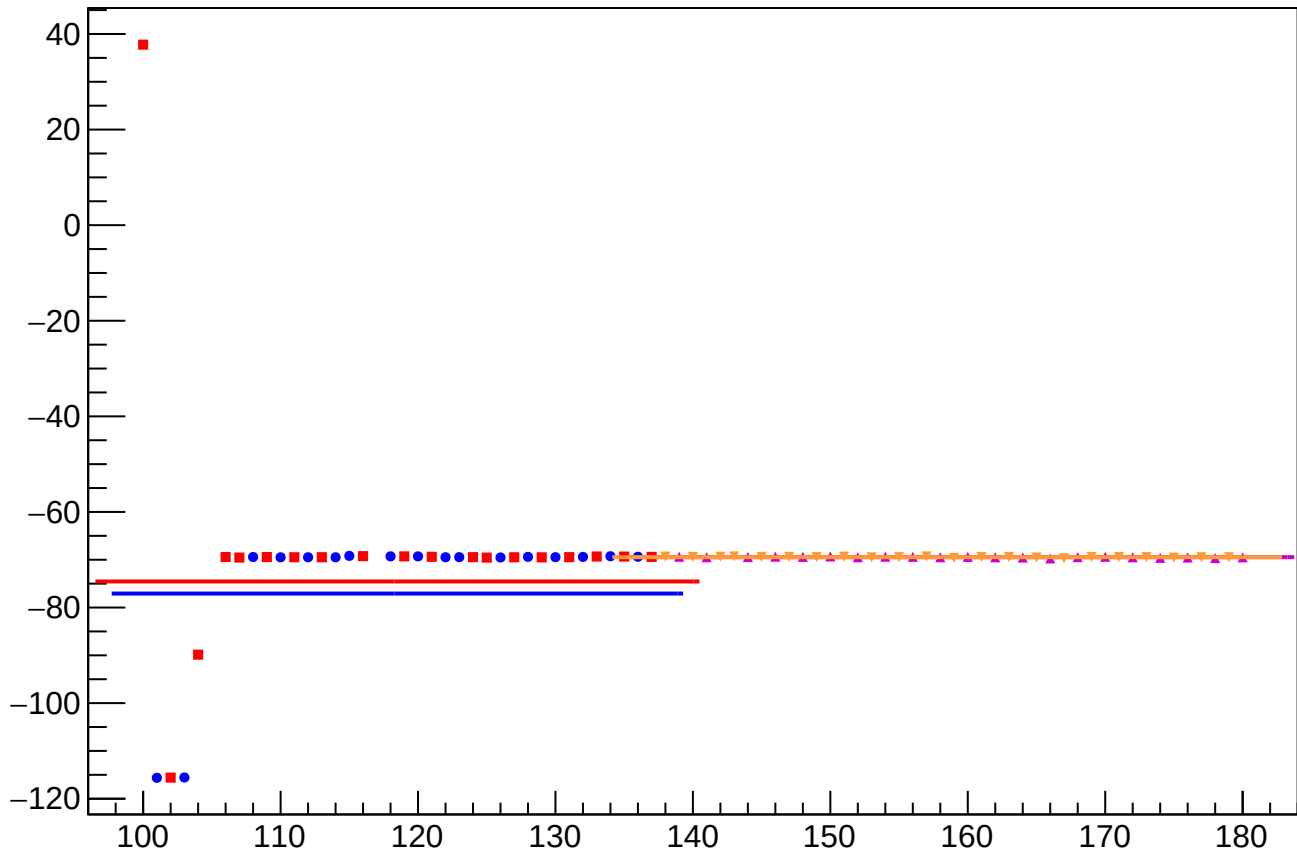
Left In: 0.045+/-0.000 χ^2/NDF : 236101.3/20

+ sign 0.044+/-0.000 χ^2/NDF : 270715.8/36

All: 0.044+/-0.000 χ^2/NDF : 652381.1/75

- sign 0.044+/-0.000 χ^2/NDF : 381623.2/38

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.458+/-0.000 χ^2/NDF : 42935590.2/21

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

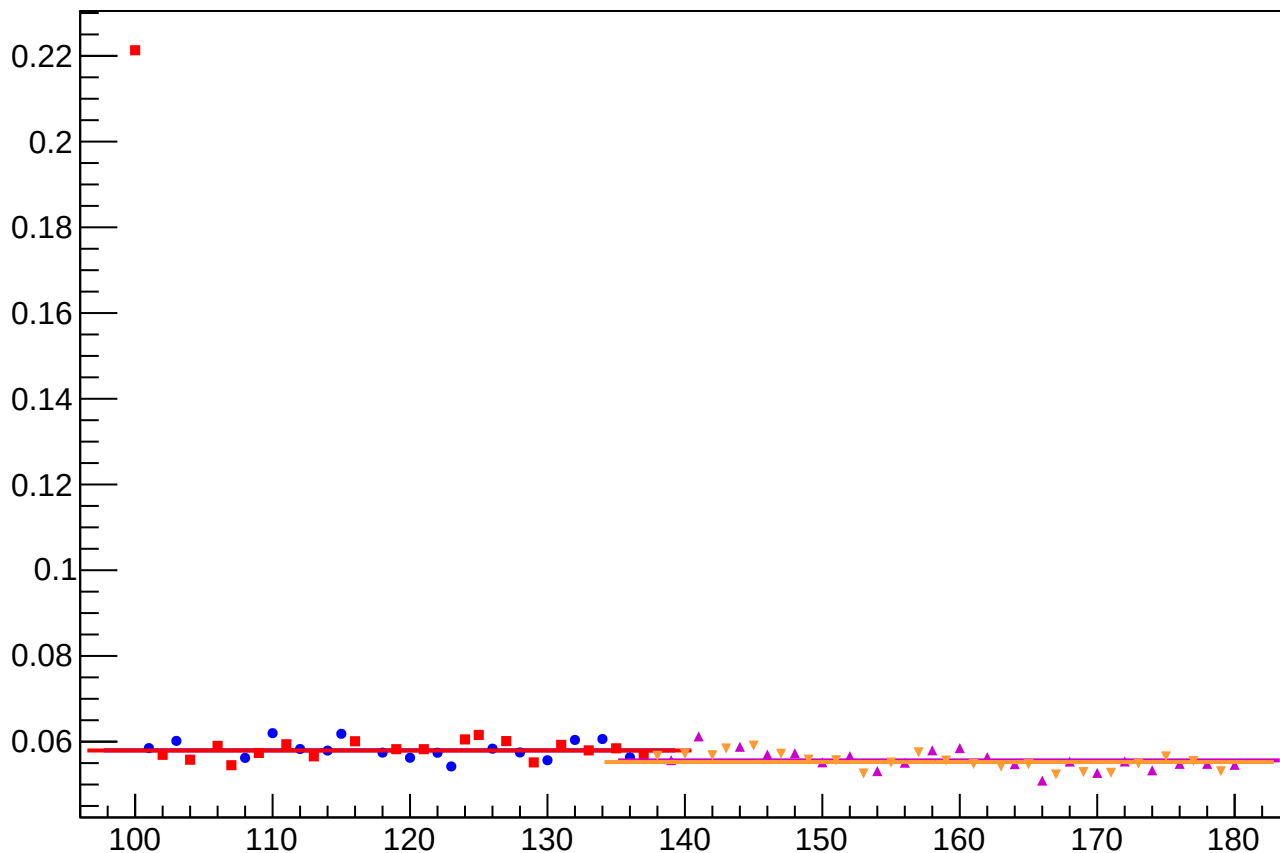
Left In: -69.459+/-0.000 χ^2/NDF : 51800671.0/20

+ sign -71.495+/-0.000 χ^2/NDF : 646807489809.7/3

All: -71.202+/-0.000 χ^2/NDF : 105777668553

- sign -70.909+/-0.000 χ^2/NDF : 409742396288.6/3

yield_dsr_rms vs Slug



Right In: 0.058 ± 0.000 χ^2/NDF : 12275.6/16

Left Out: 0.055 ± 0.000 χ^2/NDF : 36708.1/21

Right Out: 0.058 ± 0.000 χ^2/NDF : 86466.5/18

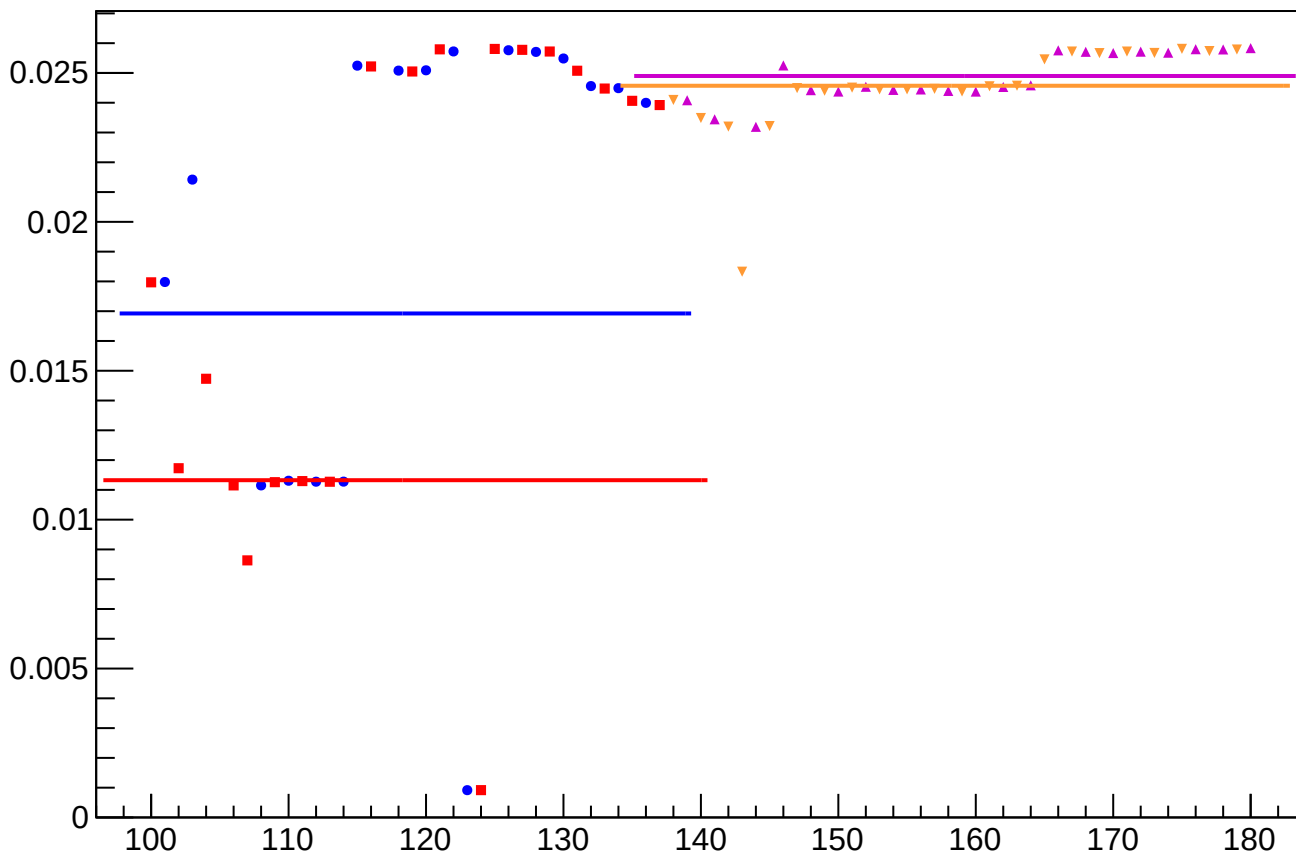
Left In: 0.056 ± 0.000 χ^2/NDF : 49911.6/20

+ sign 0.056 ± 0.000 χ^2/NDF : 69815.2/38

All: 0.056 ± 0.000 χ^2/NDF : 222458.4/78

- sign 0.056 ± 0.000 χ^2/NDF : 151925.8/39

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7847323674.9/21

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 234754769754.2/18

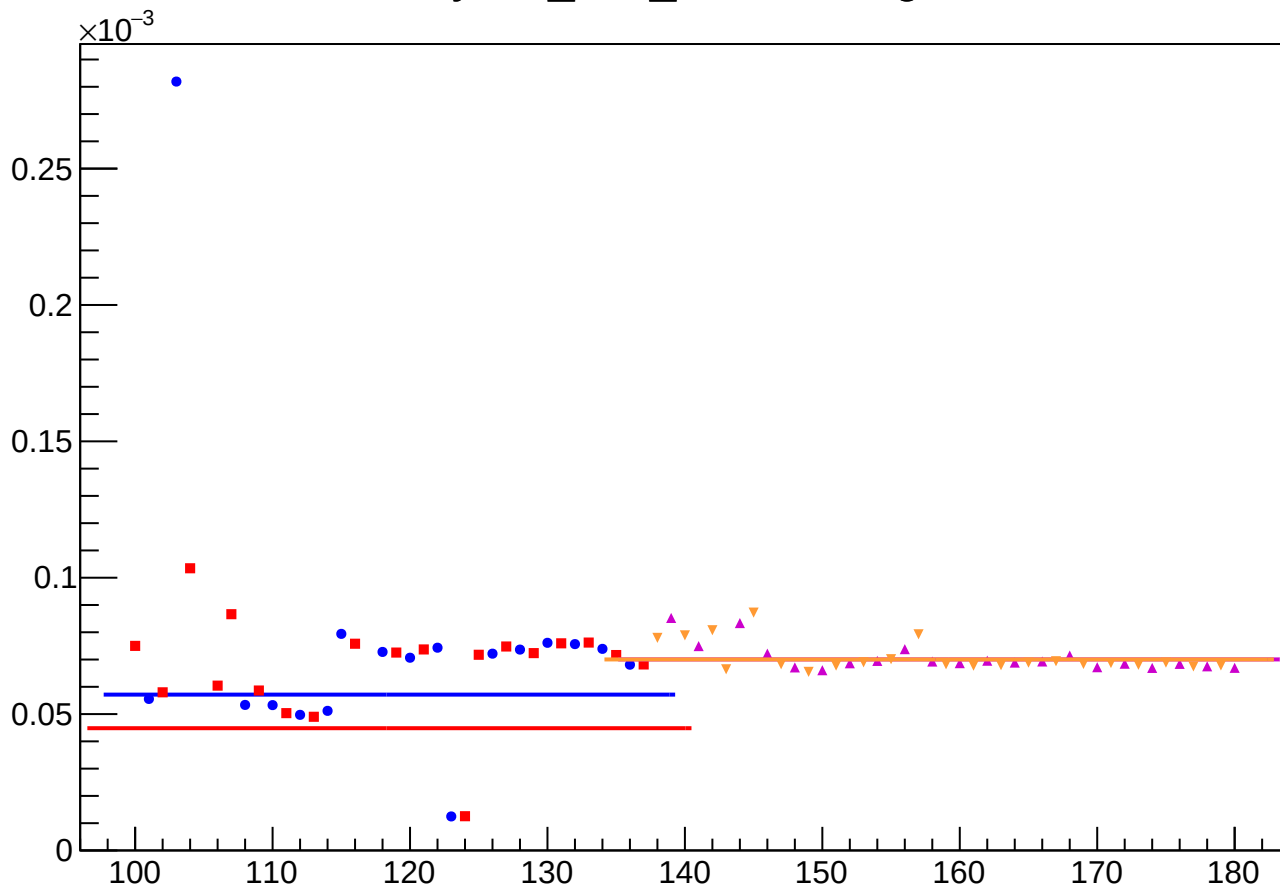
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 1980734492.9/20

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 199399444663.9/38

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 712753258638.6

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 492209660203.5/39

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :150935.0/21

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

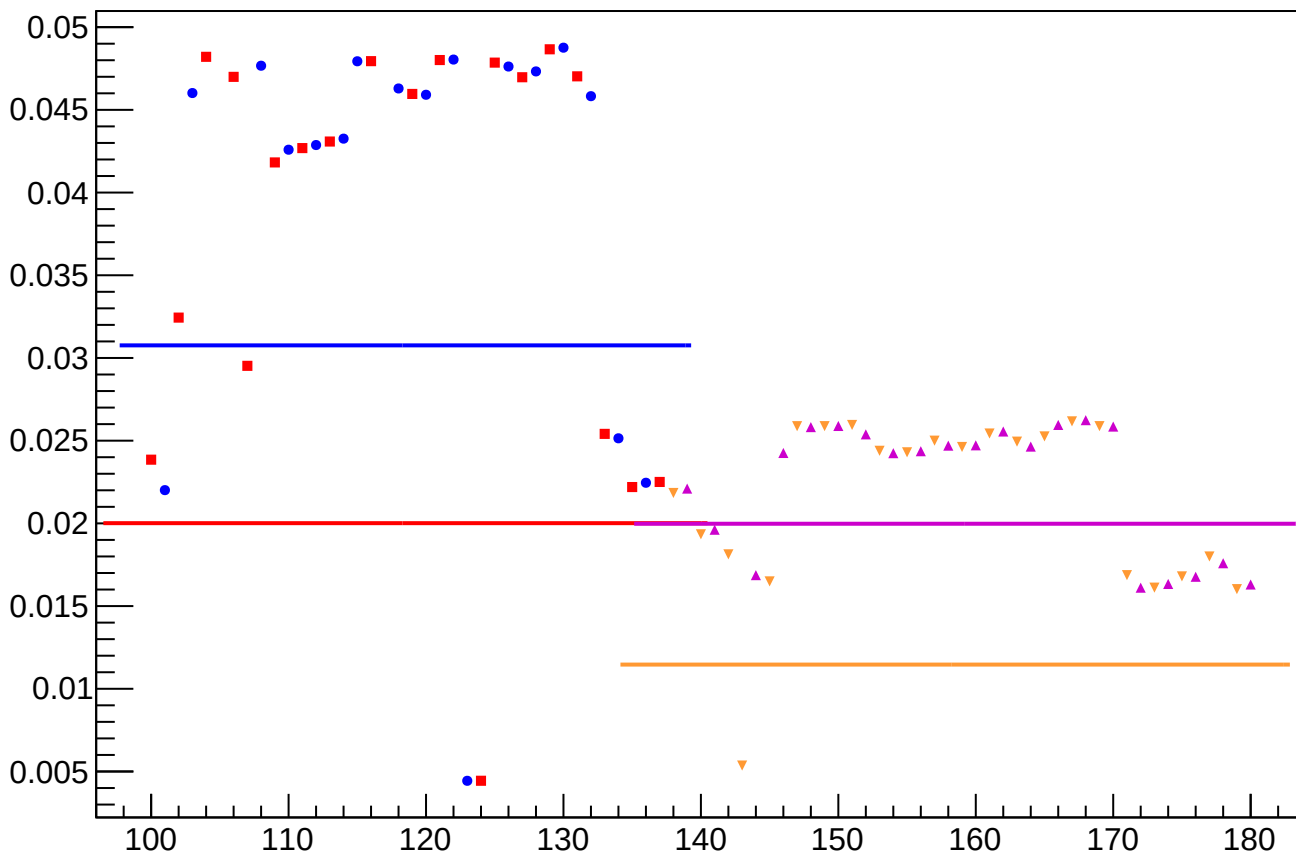
Left In: 0.000+/-0.000 χ^2/NDF :125636.4/20

+ sign 0.000+/-0.000 χ^2/NDF : 2521780.3/38

All: 0.000+/-0.000 χ^2/NDF : 8213195.8/78

- sign 0.000+/-0.000 χ^2/NDF : 5481682.3/39

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.011+/-0.000 χ^2/NDF : 35668340759.6/21

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

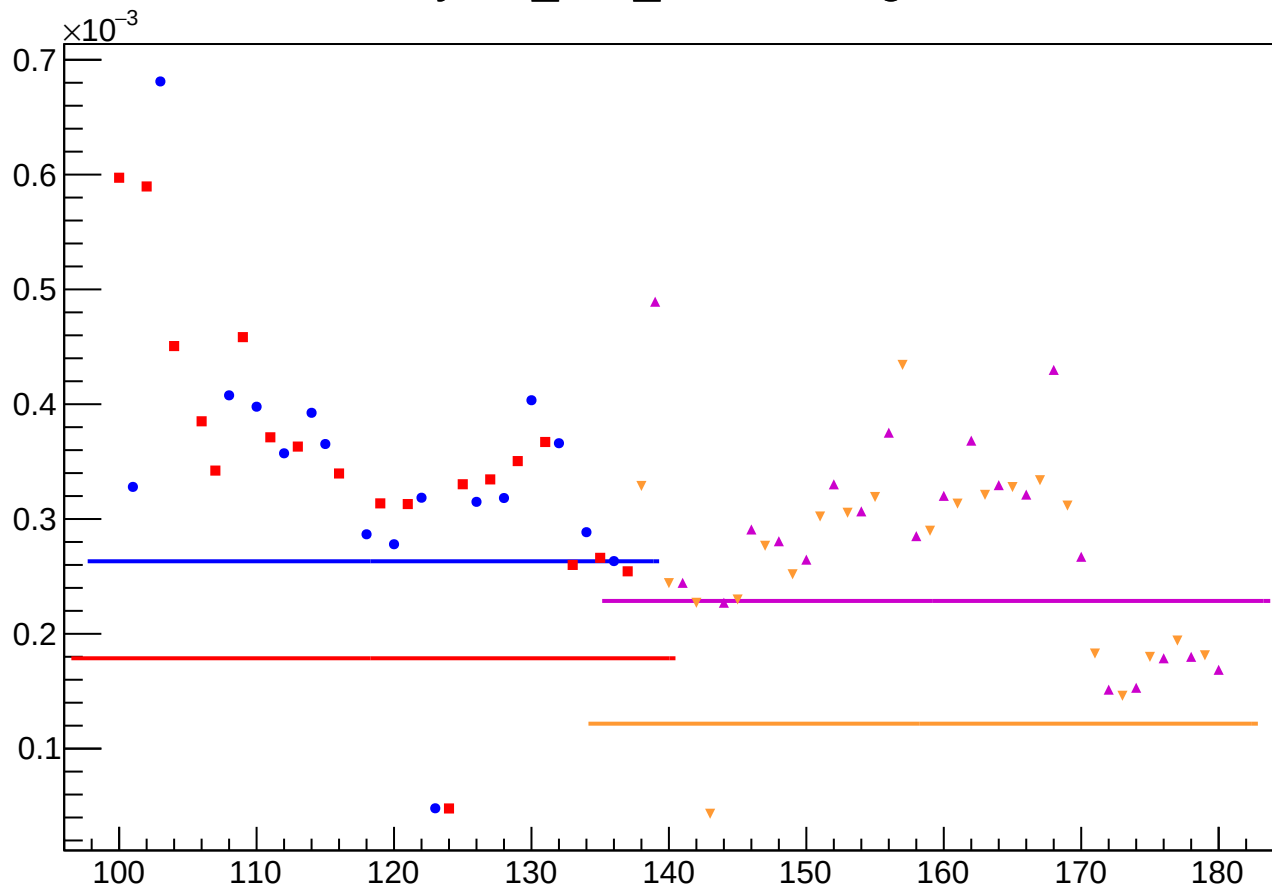
Left In: 0.020+/-0.000 χ^2/NDF : 4438508837.1/20

+ sign 0.014+/-0.000 χ^2/NDF : 80398390166.5/38

All: 0.016+/-0.000 χ^2/NDF : 134916931706.4

- sign 0.020+/-0.000 χ^2/NDF : 44449944148.8/39

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :12581160.9/21

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF :3098553.9/20

+ sign 0.000+/-0.000 χ^2/NDF : 17513305.3/38

All: 0.000+/-0.000 χ^2/NDF : 29159200.5/78

- sign 0.000+/-0.000 χ^2/NDF : 8842818.0/39

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 514037382.7/21

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 122149767290.4/38

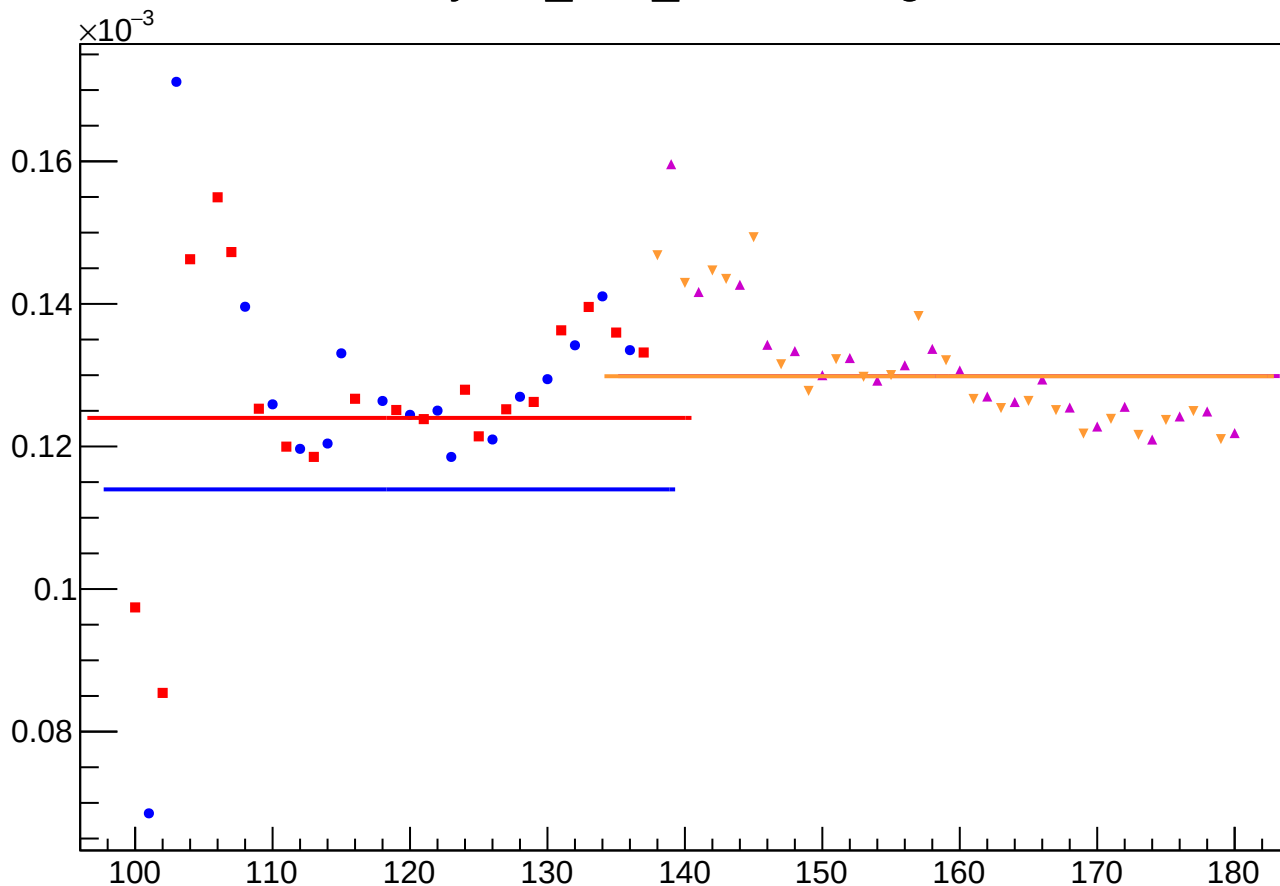
Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43669374279.3/18

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 173115442761.9

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 462558684.0/20

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 49013206370.3/39

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 121480.6/21

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

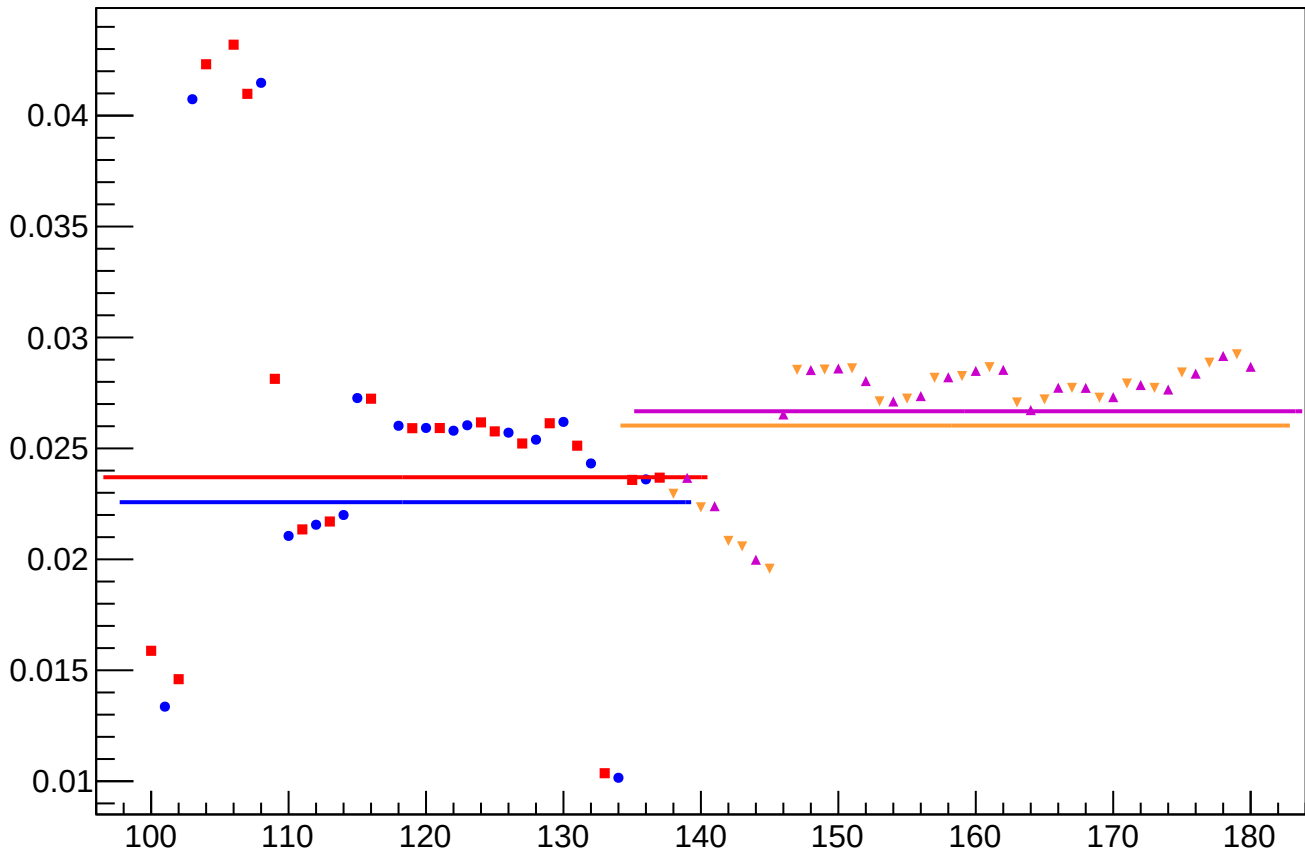
Left In: 0.000+/-0.000 χ^2/NDF : 111075.6/20

+ sign 0.000+/-0.000 χ^2/NDF : 1075597.1/38

All: 0.000+/-0.000 χ^2/NDF : 1468772.7/78

- sign 0.000+/-0.000 χ^2/NDF : 376727.0/39

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.026+/-0.000 χ^2/NDF : 1914087710.4/21

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

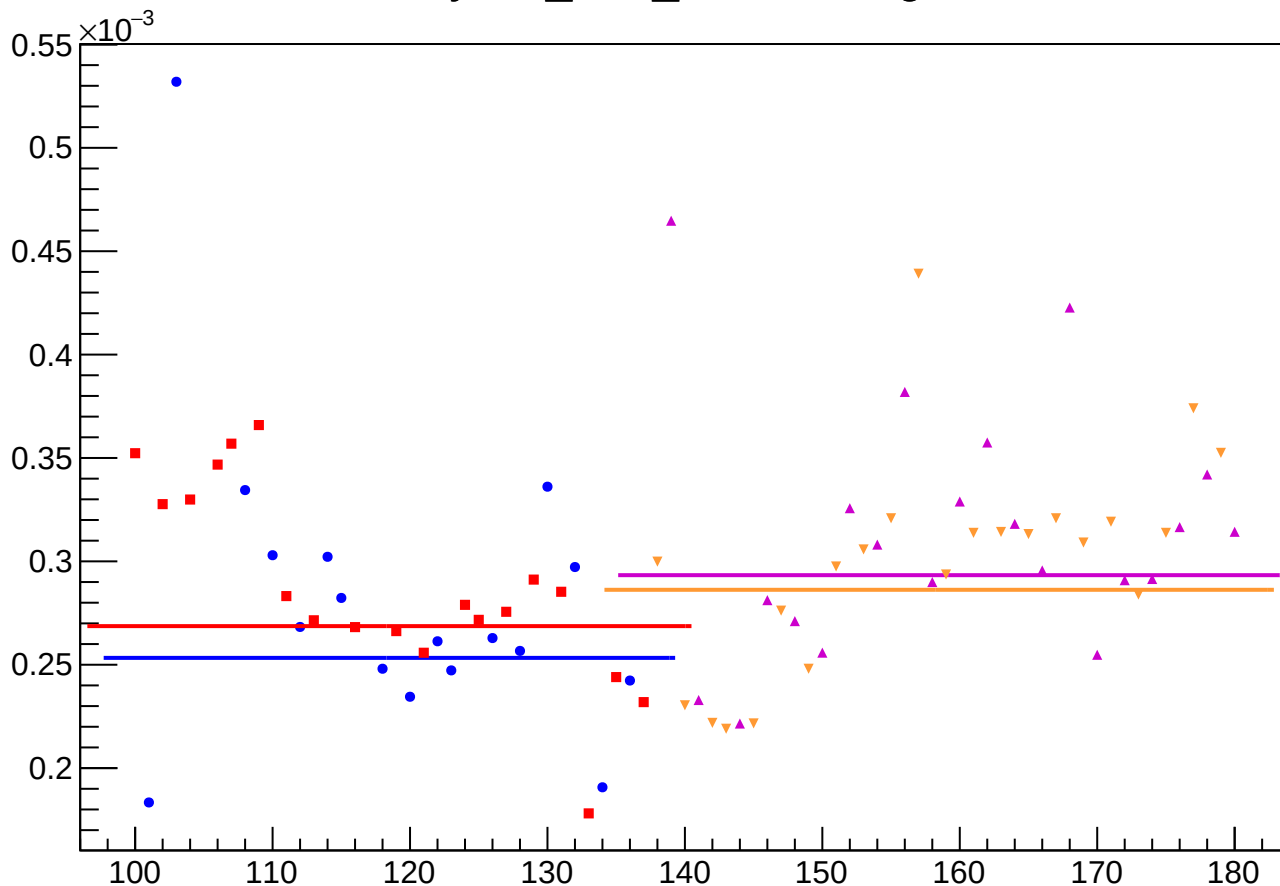
Left In: 0.027+/-0.000 χ^2/NDF : 1286392195.5/20

+ sign 0.025+/-0.000 χ^2/NDF : 6877252380.9/38

All: 0.025+/-0.000 χ^2/NDF : 14406958711.2/77

- sign 0.026+/-0.000 χ^2/NDF : 7441970311.2/39

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 782971.2/21

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

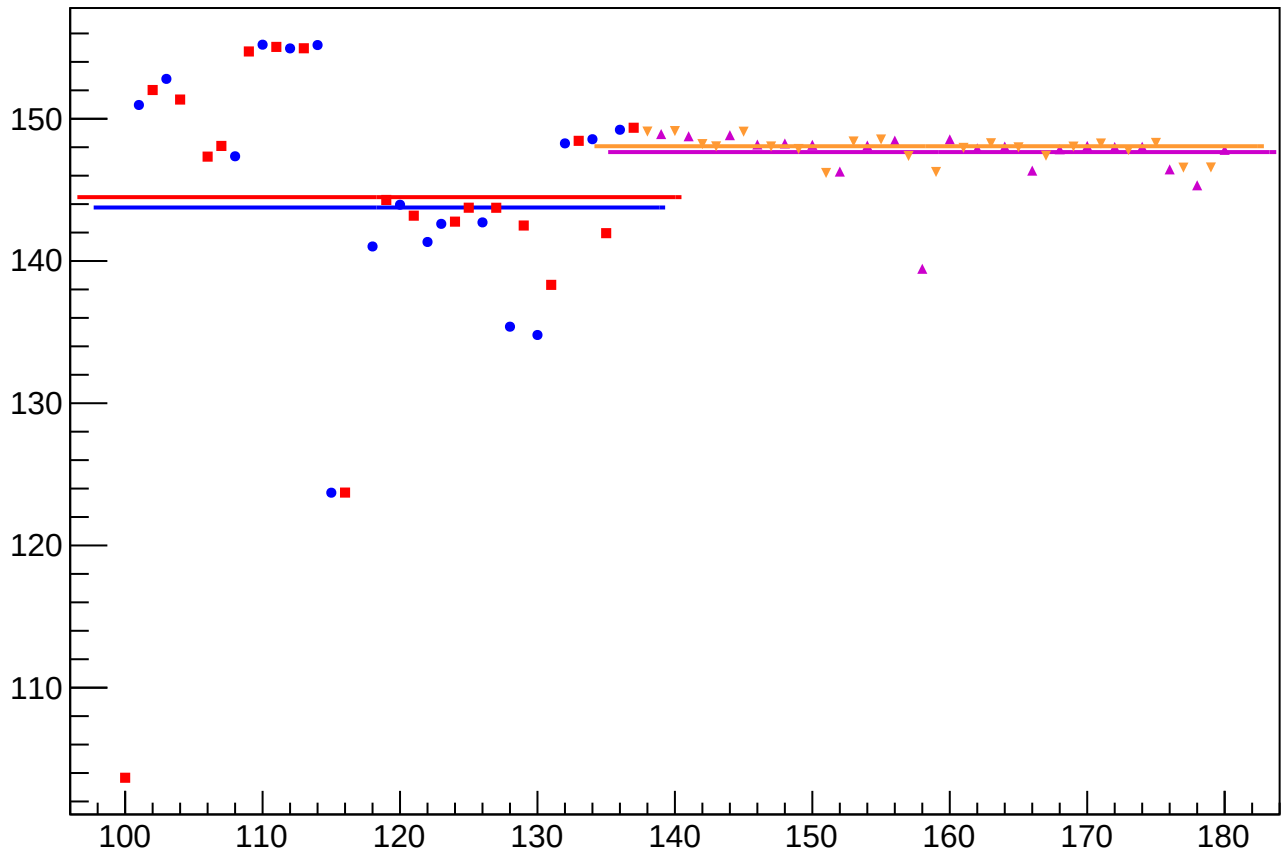
Left In: 0.000+/-0.000 χ^2/NDF : 891087.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 1542116.0/38

All: 0.000+/-0.000 χ^2/NDF : 2956806.7/78

- sign 0.000+/-0.000 χ^2/NDF : 1388663.8/39

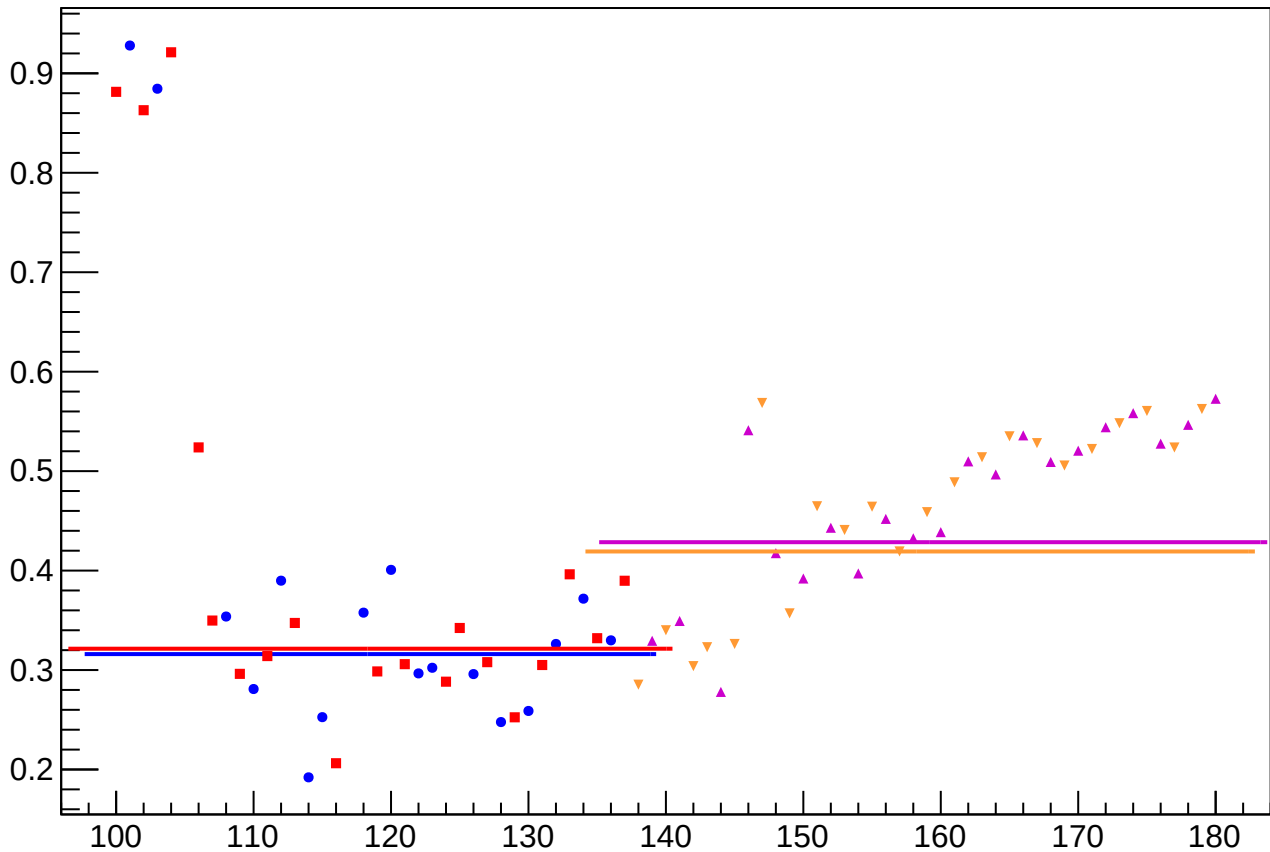
yield_bcm_an_ds_mean vs Slug



Right In: 143.763 ± 0.000 χ^2/NDF : 3534699505.1/16
 Left Out: 148.070 ± 0.000 χ^2/NDF : 65455393.2/21
 Right Out: 144.490 ± 0.000 χ^2/NDF : 4182548232.5/18
 Left In: 147.659 ± 0.000 χ^2/NDF : 344909409.3/20

+ sign 146.392 ± 0.000 χ^2/NDF : 4230088538.5/38
 All: 146.384 ± 0.000 χ^2/NDF : 9096112771.8
 - sign 146.375 ± 0.000 χ^2/NDF : 4866003157.5/39

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 $\pm$ 0.000 χ^2 /NDF: 1265921.5/16

Left Out: 0.419 $\pm$ 0.000 χ^2 /NDF:1595183.6/21

Right Out: 0.321 $\pm$ 0.000 χ^2 /NDF: 1219073.9/18

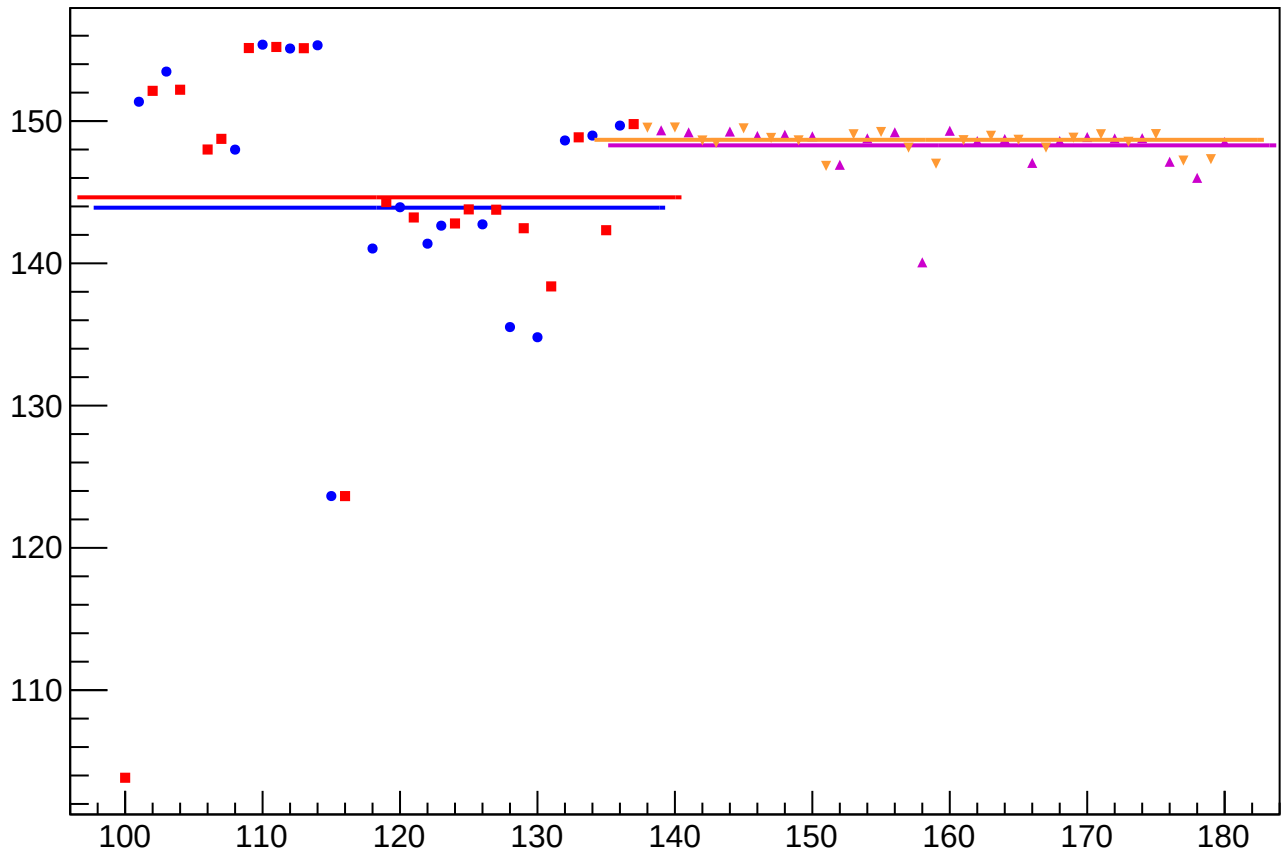
Left In: 0.429 $\pm$ 0.000 χ^2 /NDF:1374053.0/20

+ sign 0.379 $\pm$ 0.000 χ^2 /NDF: 3584114.7/38

All: 0.382 $\pm$ 0.000 χ^2 /NDF: 6956168.9/78

- sign 0.385 $\pm$ 0.000 χ^2 /NDF: 3366714.8/39

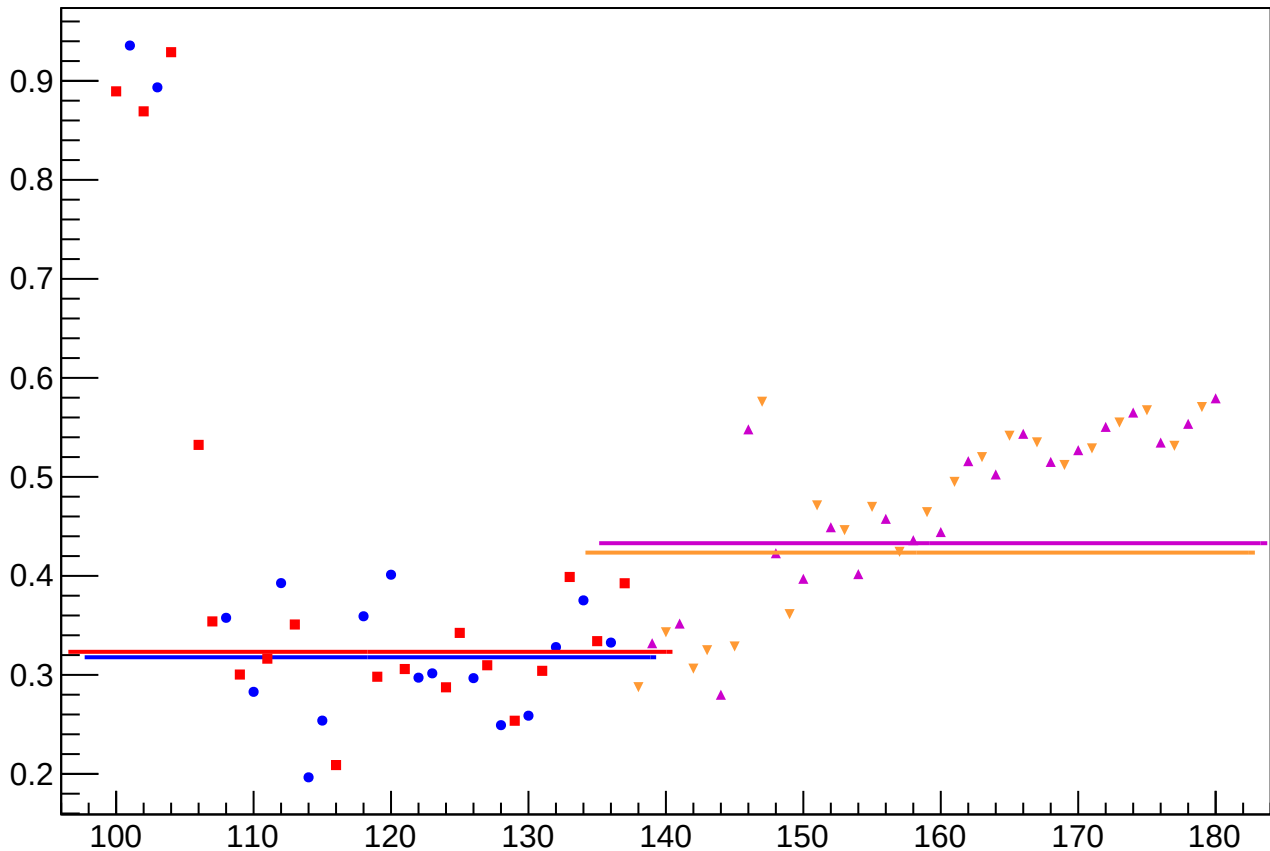
yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 ± 0.000 χ^2/NDF : 3587769790.2/16
 Left Out: 148.683 ± 0.000 χ^2/NDF : 52405788.4/21
 Right Out: 144.640 ± 0.000 χ^2/NDF : 4209610240.4/18
 Left In: 148.293 ± 0.000 χ^2/NDF : 333119315.7/20

+ sign 146.813 ± 0.000 χ^2/NDF : 4401287245.5/38
 All: 146.809 ± 0.000 χ^2/NDF : 9386824287.8
 - sign 146.805 ± 0.000 χ^2/NDF : 4985532008.0/39

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.424 $\pm$ 0.000 χ^2 /NDF:1624473.9/21

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222241.9/18

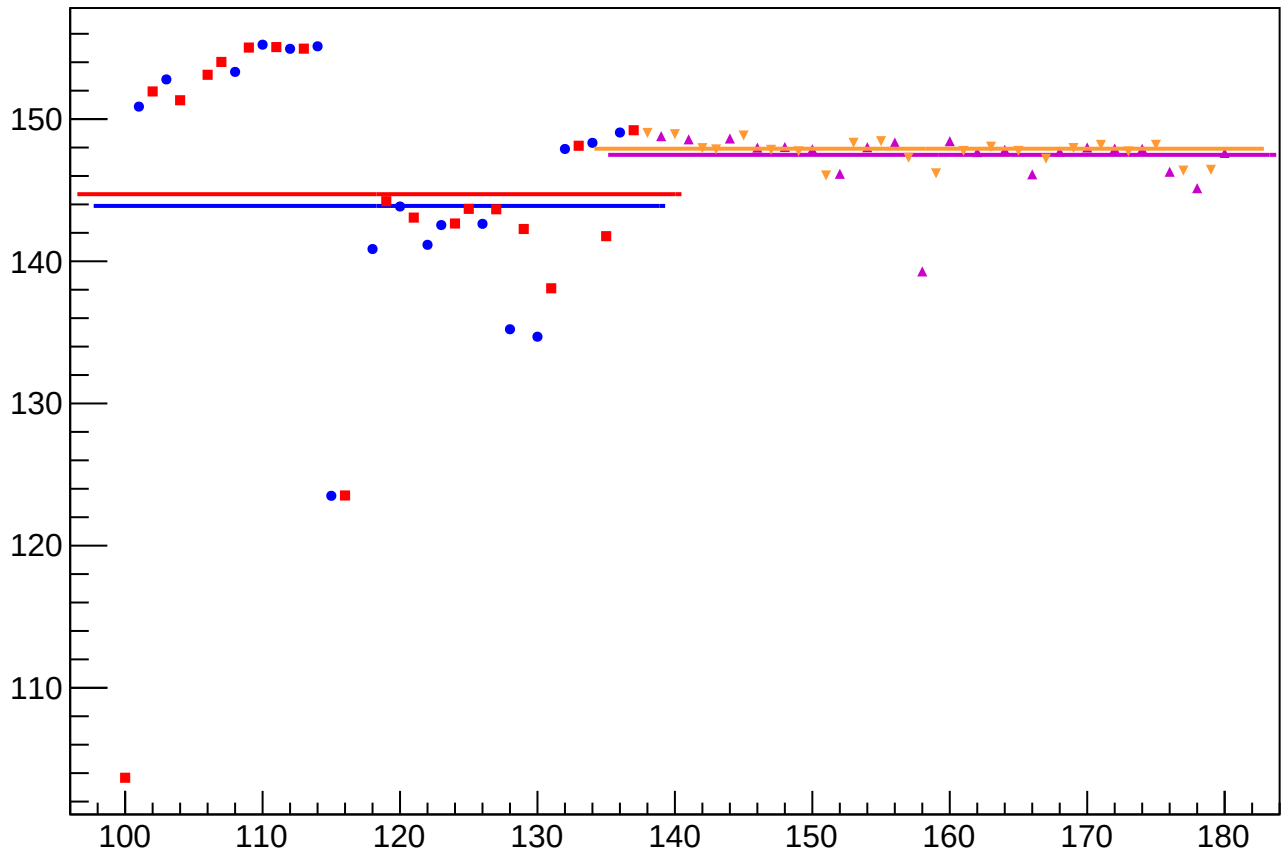
Left In: 0.433 $\pm$ 0.000 χ^2 /NDF:1398036.9/20

+ sign 0.382 $\pm$ 0.000 χ^2 /NDF: 3640014.3/38

All: 0.385 $\pm$ 0.000 χ^2 /NDF: 7064713.8/78

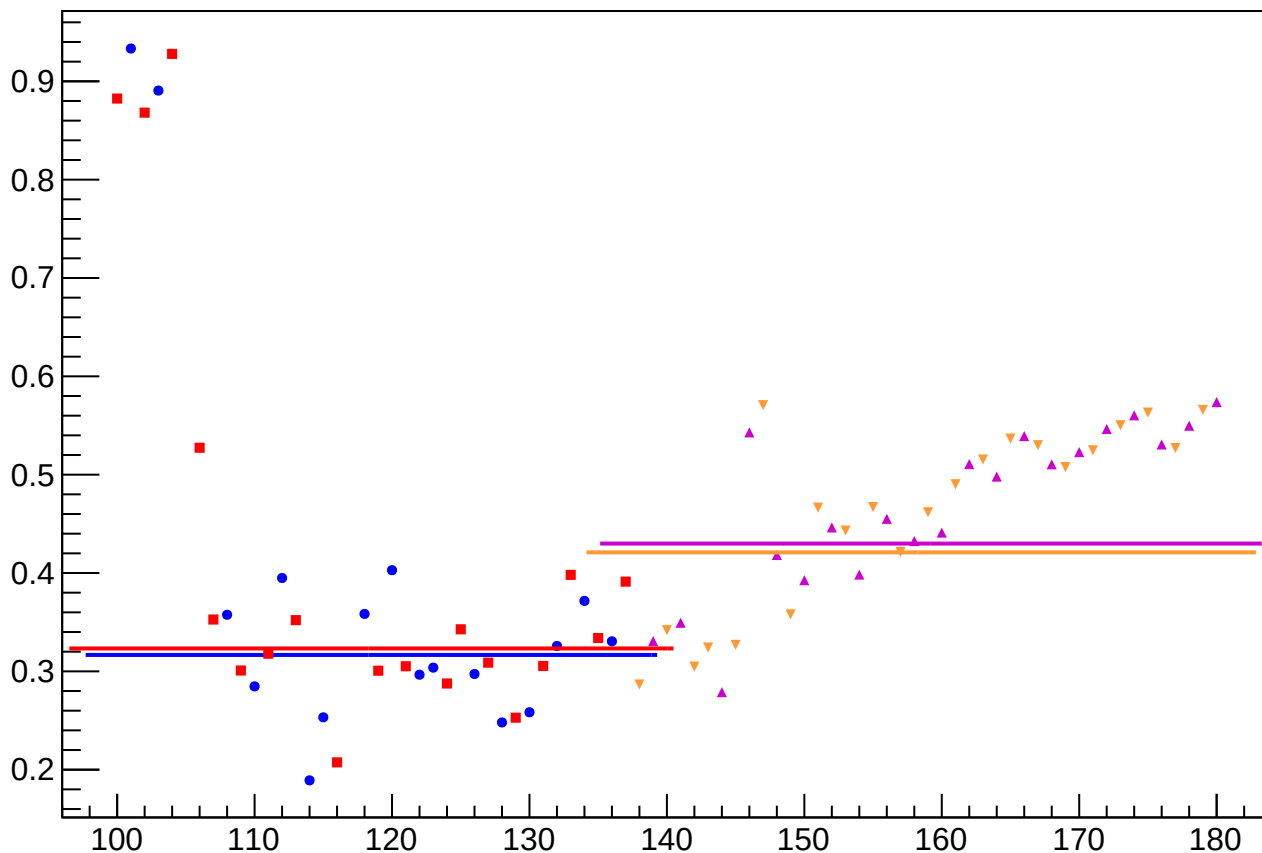
- sign 0.388 $\pm$ 0.000 χ^2 /NDF: 3419307.9/39

yield_bcm_an_us_mean vs Slug



Right In: 143.893+/-0.000	χ^2/NDF : 3752655677.2/16	+ sign 146.348+/-0.000	χ^2/NDF : 4362670557.0/38
Left Out: 147.918+/-0.000	χ^2/NDF : 63967382.3/21	All: 146.358+/-0.000	χ^2/NDF : 9435503790.7
Right Out: 144.719+/-0.000	χ^2/NDF : 4473225884.5/18	- sign 146.368+/-0.000	χ^2/NDF : 5072804217.9/39
Left In: 147.486+/-0.000	χ^2/NDF : 343857121.1/20		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.421 ± 0.000 χ^2/NDF : 1598905.4/21

Right Out: 0.323 ± 0.000 χ^2/NDF : 1222784.7/18

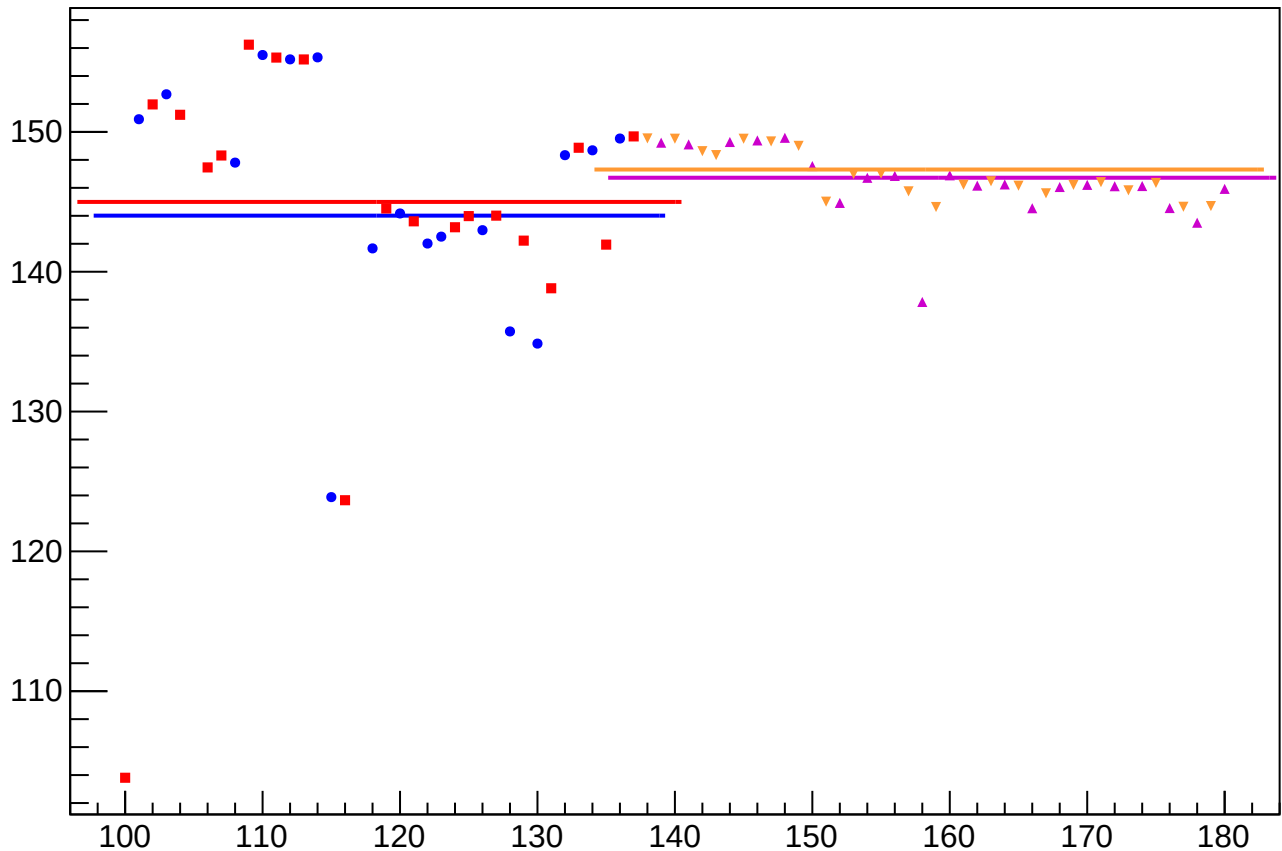
Left In: 0.430 ± 0.000 χ^2/NDF : 1381695.6/20

+ sign 0.380 ± 0.000 χ^2/NDF : 3612654.2/38

All: 0.384 ± 0.000 χ^2/NDF : 6983049.7/78

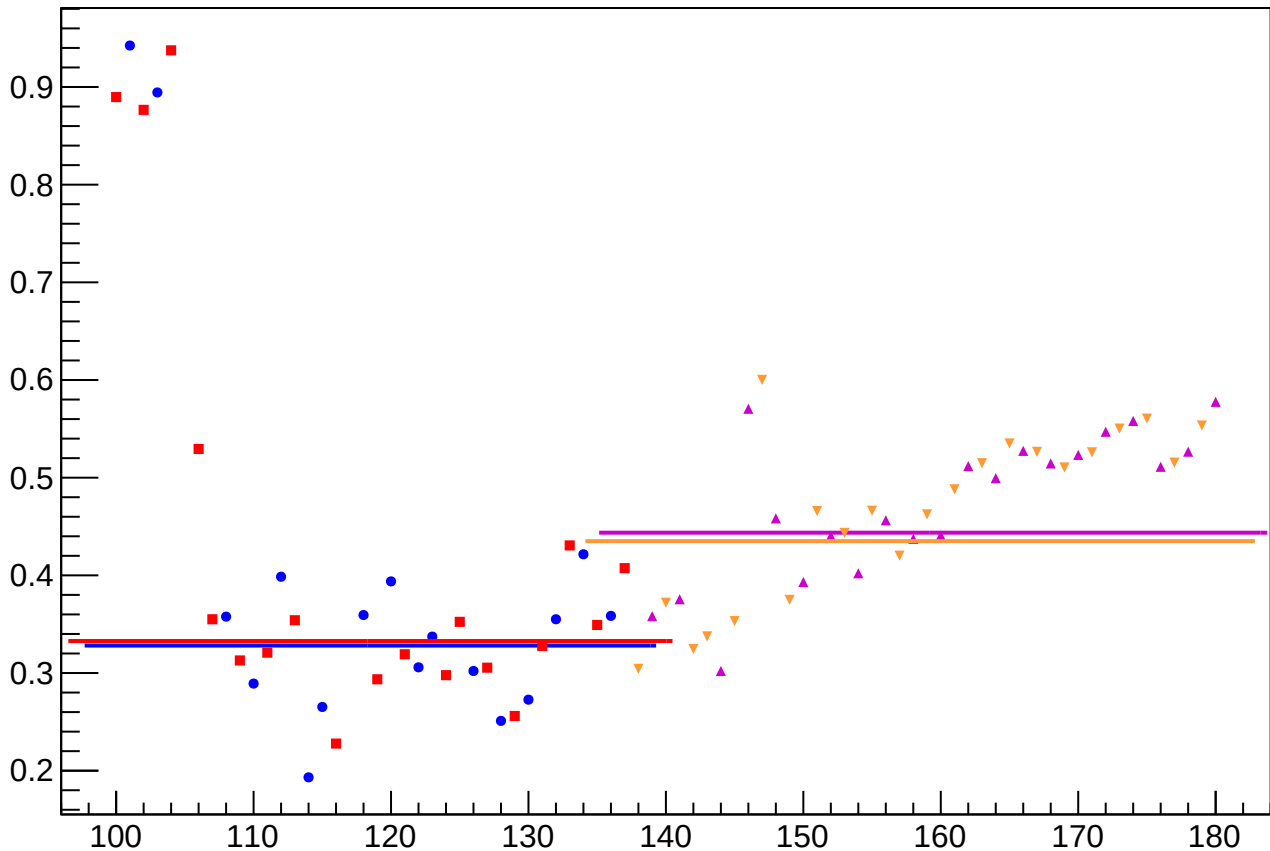
- sign 0.387 ± 0.000 χ^2/NDF : 3364372.1/39

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000	χ^2 /NDF: 3241696920.3/16	+ sign 146.038 $\pm$ 0.000	χ^2 /NDF: 3836603904.8/38
Left Out: 147.311 $\pm$ 0.000	χ^2 /NDF: 251904460.0/21	All: 146.033 $\pm$ 0.000	χ^2 /NDF: 8339758704.6
Right Out: 144.994 $\pm$ 0.000	χ^2 /NDF: 3852381452.1/18	- sign 146.027 $\pm$ 0.000	χ^2 /NDF: 4503147005.1/39
Left In: 146.723 $\pm$ 0.000	χ^2 /NDF: 556328488.1/20		

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.435 ± 0.000 χ^2/NDF : 1227460.6/21

Right Out: 0.333 ± 0.000 χ^2/NDF : 1185129.6/18

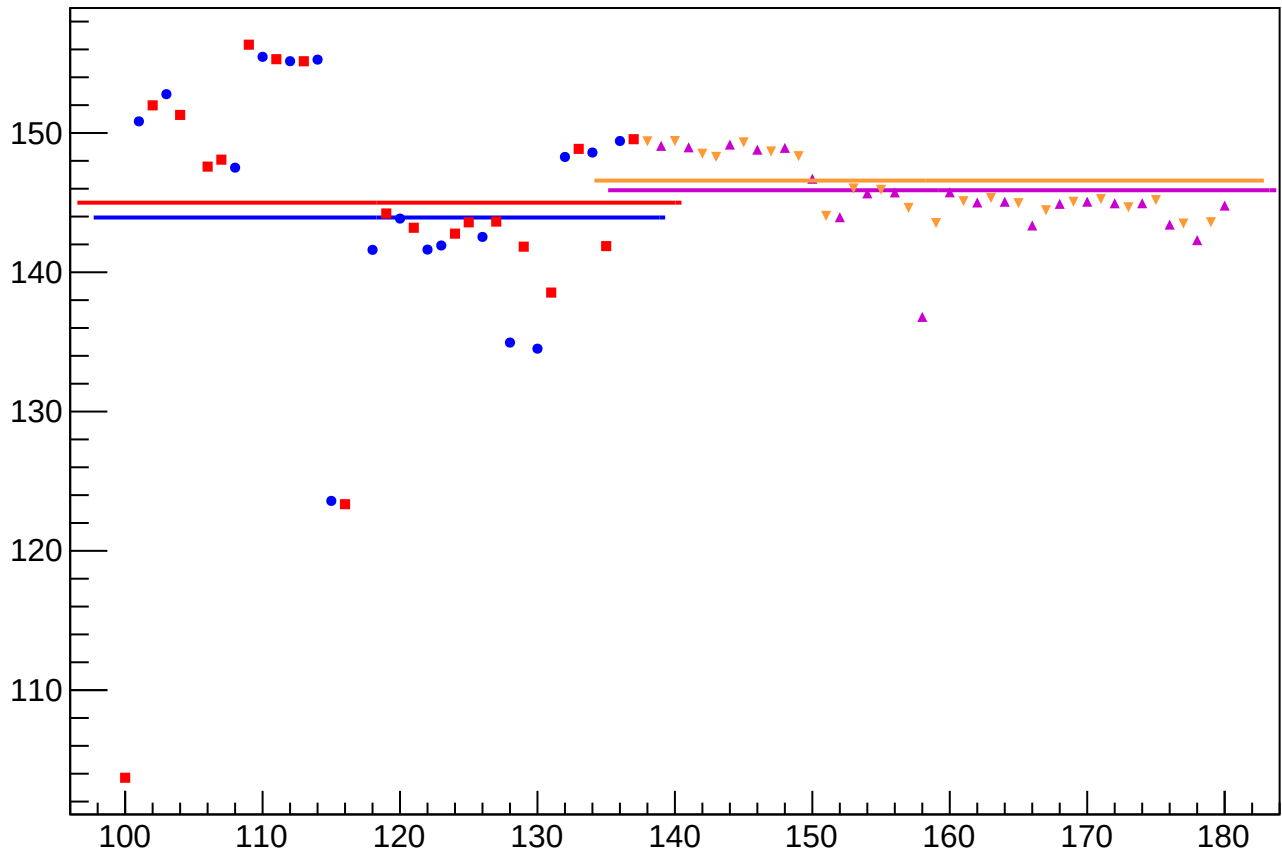
Left In: 0.444 ± 0.000 χ^2/NDF : 1028115.1/20

+ sign 0.394 ± 0.000 χ^2/NDF : 3213709.1/38

All: 0.396 ± 0.000 χ^2/NDF : 6207422.5/78

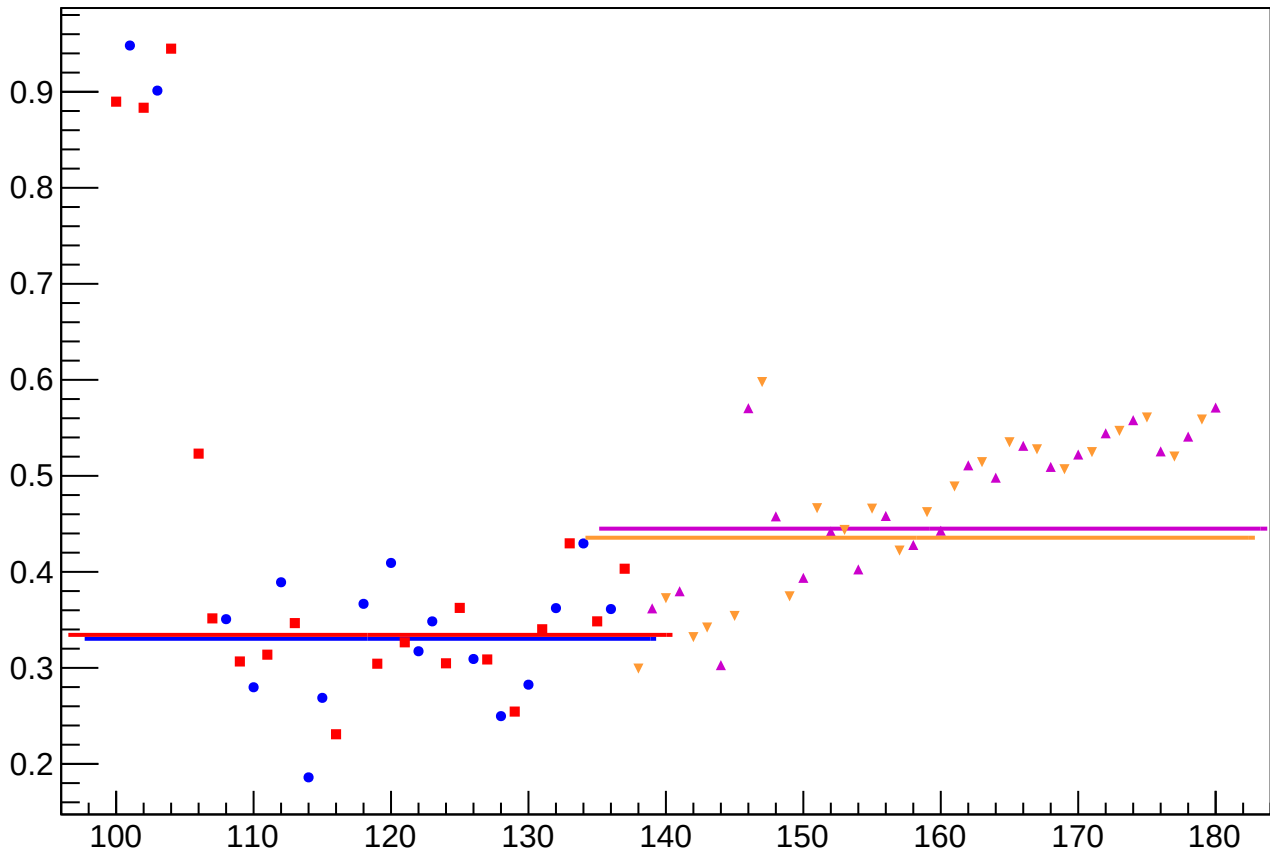
- sign 0.399 ± 0.000 χ^2/NDF : 2990024.7/39

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932+/-0.000	χ^2/NDF : 3383012861.2/16	+ sign 145.569+/-0.000	χ^2/NDF : 3984973943.9/38
Left Out: 146.584+/-0.000	χ^2/NDF : 382944114.1/21	All: 145.551+/-0.000	χ^2/NDF : 8634038670.0
Right Out: 144.998+/-0.000	χ^2/NDF : 3932958476.0/18	- sign 145.532+/-0.000	χ^2/NDF : 4648972560.1/39
Left In: 145.890+/-0.000	χ^2/NDF : 691148441.6/20		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.436 ± 0.000 χ^2/NDF : 1224438.5/21

Right Out: 0.334 ± 0.000 χ^2/NDF : 1174012.0/18

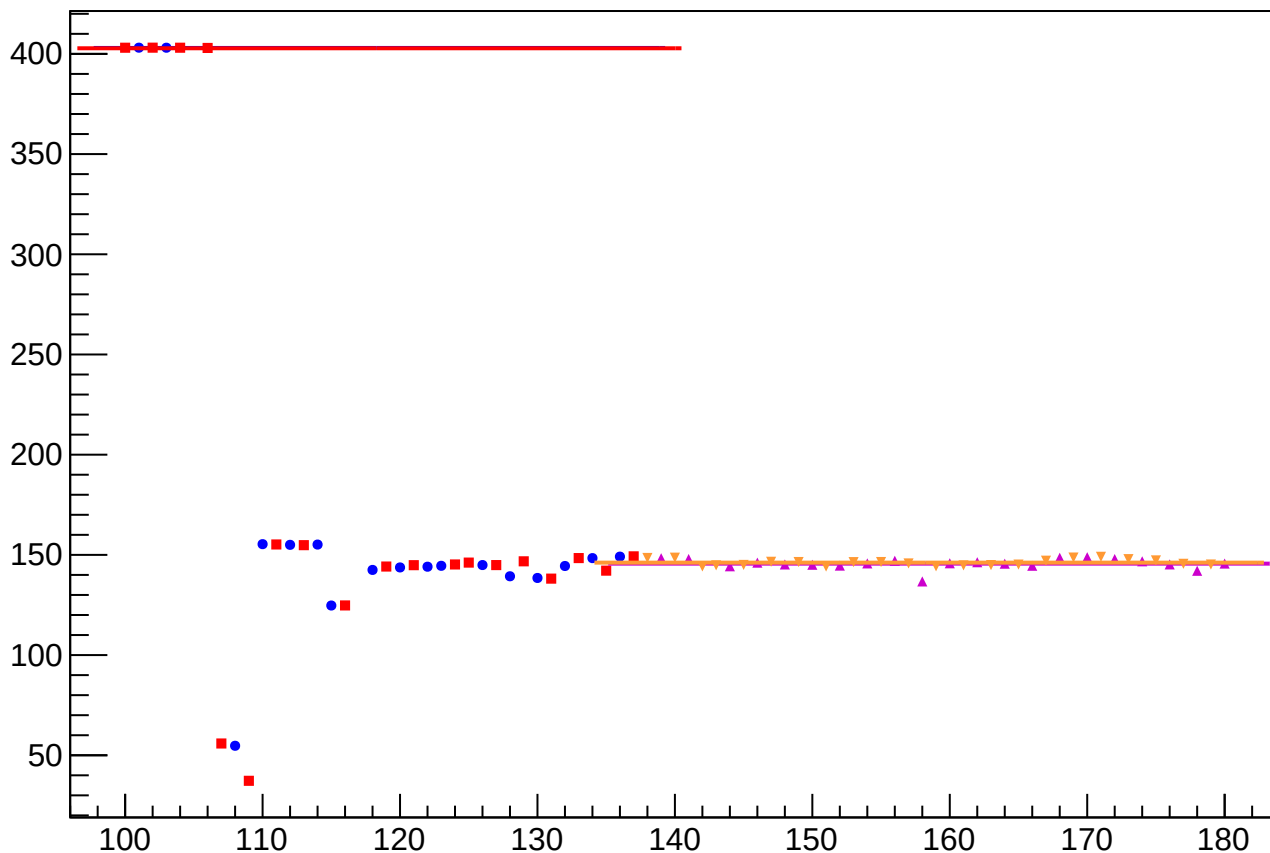
Left In: 0.445 ± 0.000 χ^2/NDF : 1011817.4/20

+ sign 0.395 ± 0.000 χ^2/NDF : 3198553.5/38

All: 0.398 ± 0.000 χ^2/NDF : 6153420.6/78

- sign 0.401 ± 0.000 χ^2/NDF : 2951125.6/39

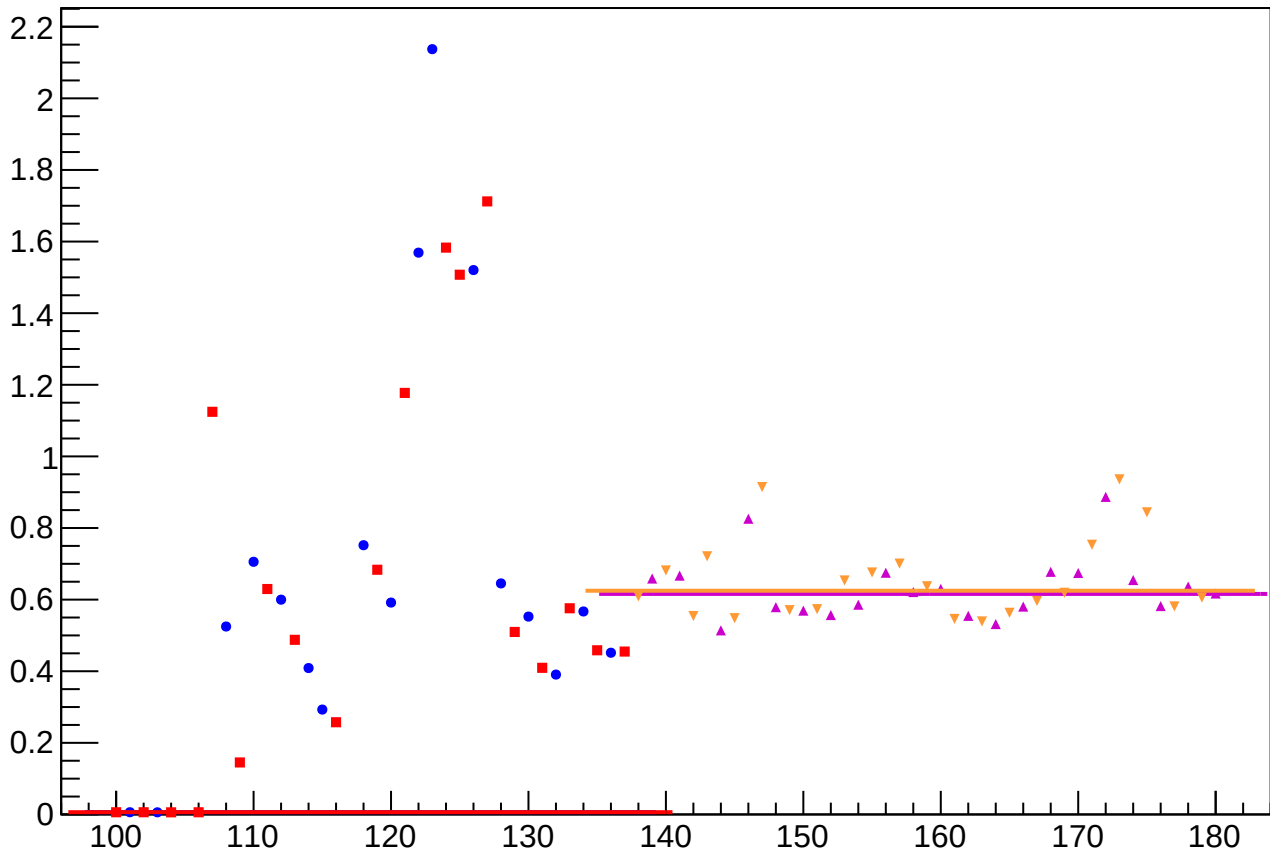
yield_cav4bQ_mean vs Slug



Right In: 402.958 $\pm$ 0.000 χ^2 /NDF: 1094364588383.4/16
 Left Out: 146.134 $\pm$ 0.000 χ^2 /NDF: 77330225.9/21
 Right Out: 402.799 $\pm$ 0.000 χ^2 /NDF: 3102036567767.5/18
 Left In: 145.626 $\pm$ 0.000 χ^2 /NDF: 193230865.9/20

+ sign 402.688 $\pm$ 0.000 χ^2 /NDF: 3247377916070.6
 All: 402.617 $\pm$ 0.000 χ^2 /NDF: 857946108450
 - sign 402.553 $\pm$ 0.000 χ^2 /NDF: 5331778960042.2/

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 9079322.7/16

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:559973.5/21

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 9193355.5/18

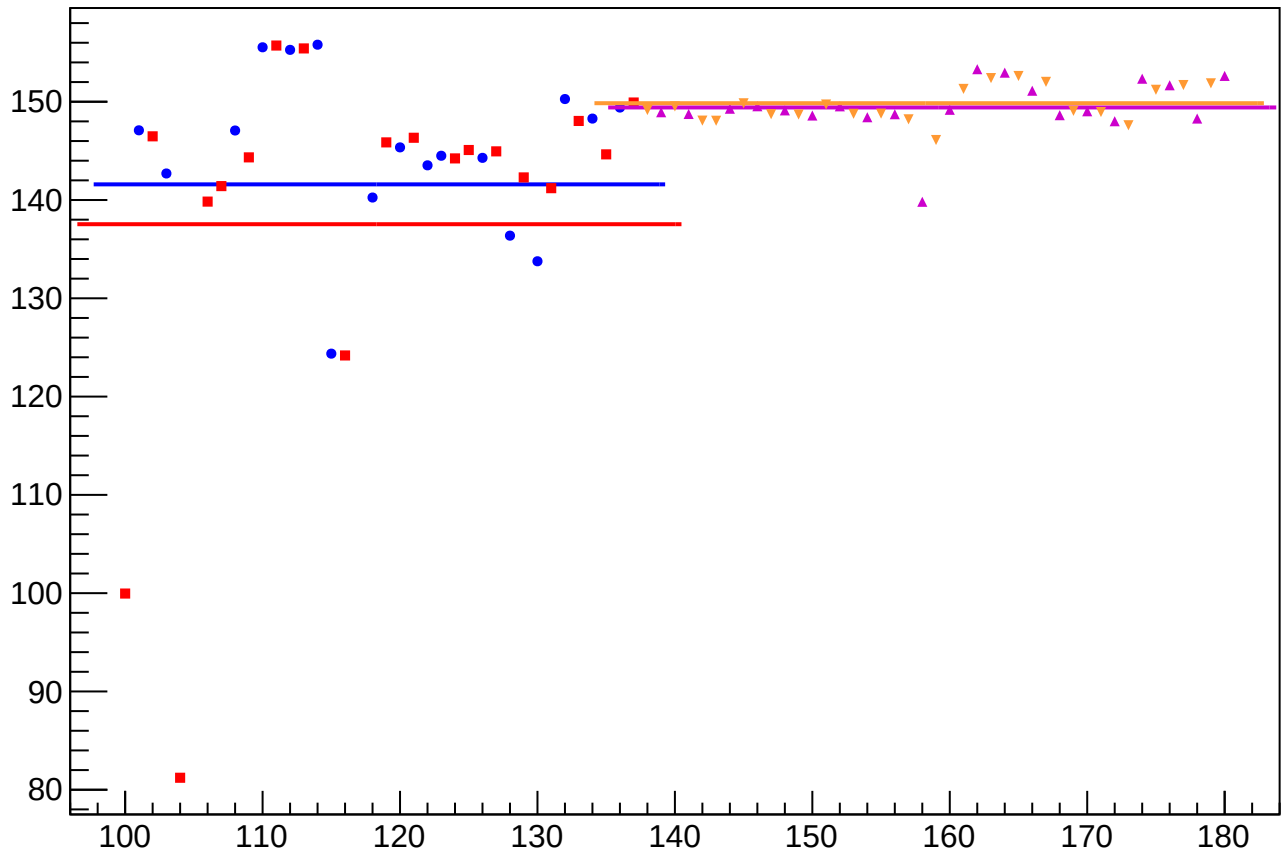
Left In: 0.616 $\pm$ 0.000 χ^2 /NDF:356949.5/20

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34612298.3/38

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 69218028.1/78

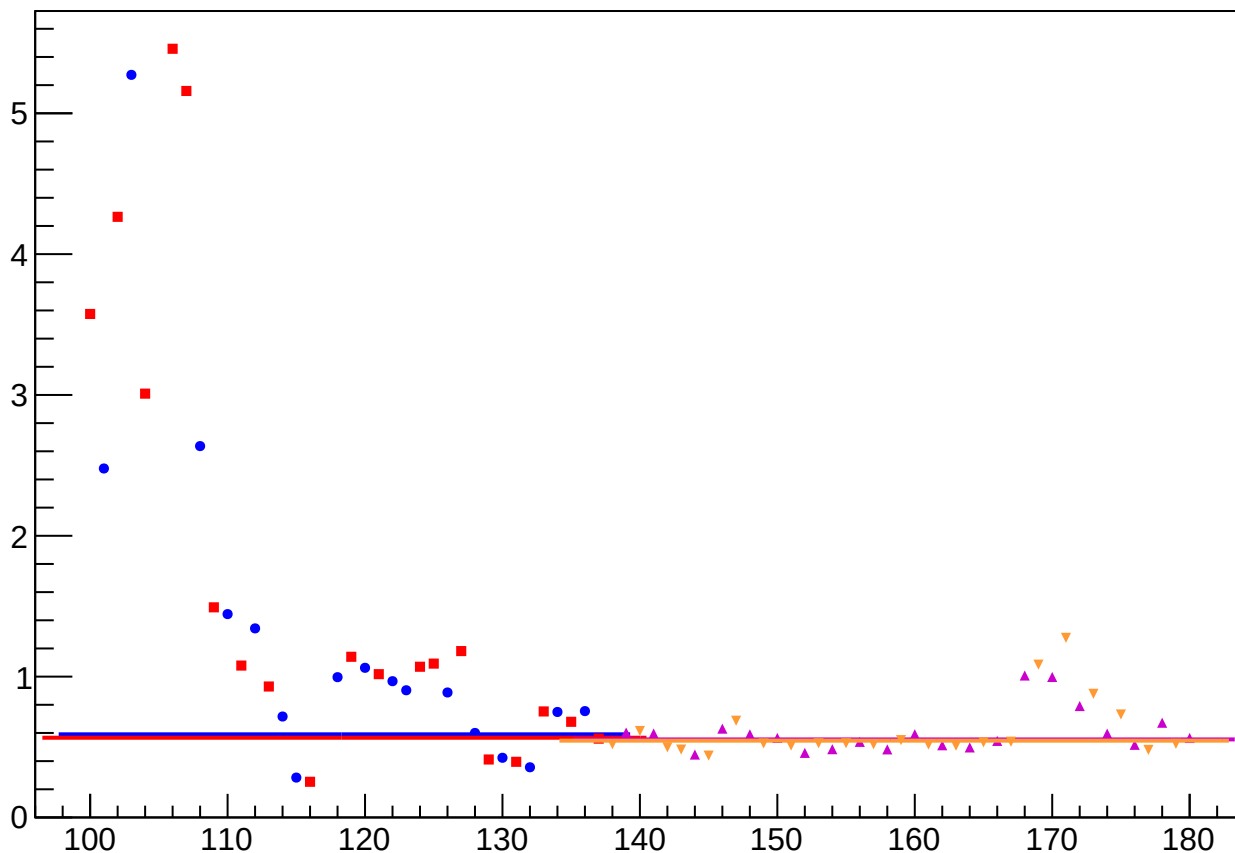
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34605540.3/39

yield_cav4cQ_mean vs Slug



Right In: 141.593 ± 0.000 χ^2/NDF : 980101868.2/16
 Left Out: 149.850 ± 0.000 χ^2/NDF : 153256683.5/21
 Right Out: 137.539 ± 0.000 χ^2/NDF : 1316096307.7/18
 Left In: 149.417 ± 0.000 χ^2/NDF : 435597579.7/20
 All: 147.818 ± 0.000 χ^2/NDF : 4715907265.0
 + sign 148.416 ± 0.000 χ^2/NDF : 1702016666.5/38
 - sign 147.212 ± 0.000 χ^2/NDF : 2972113563.7/39

yield_cav4cQ_rms vs Slug



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.545 $\pm$ 0.000 χ^2 /NDF:1345486.6/21

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

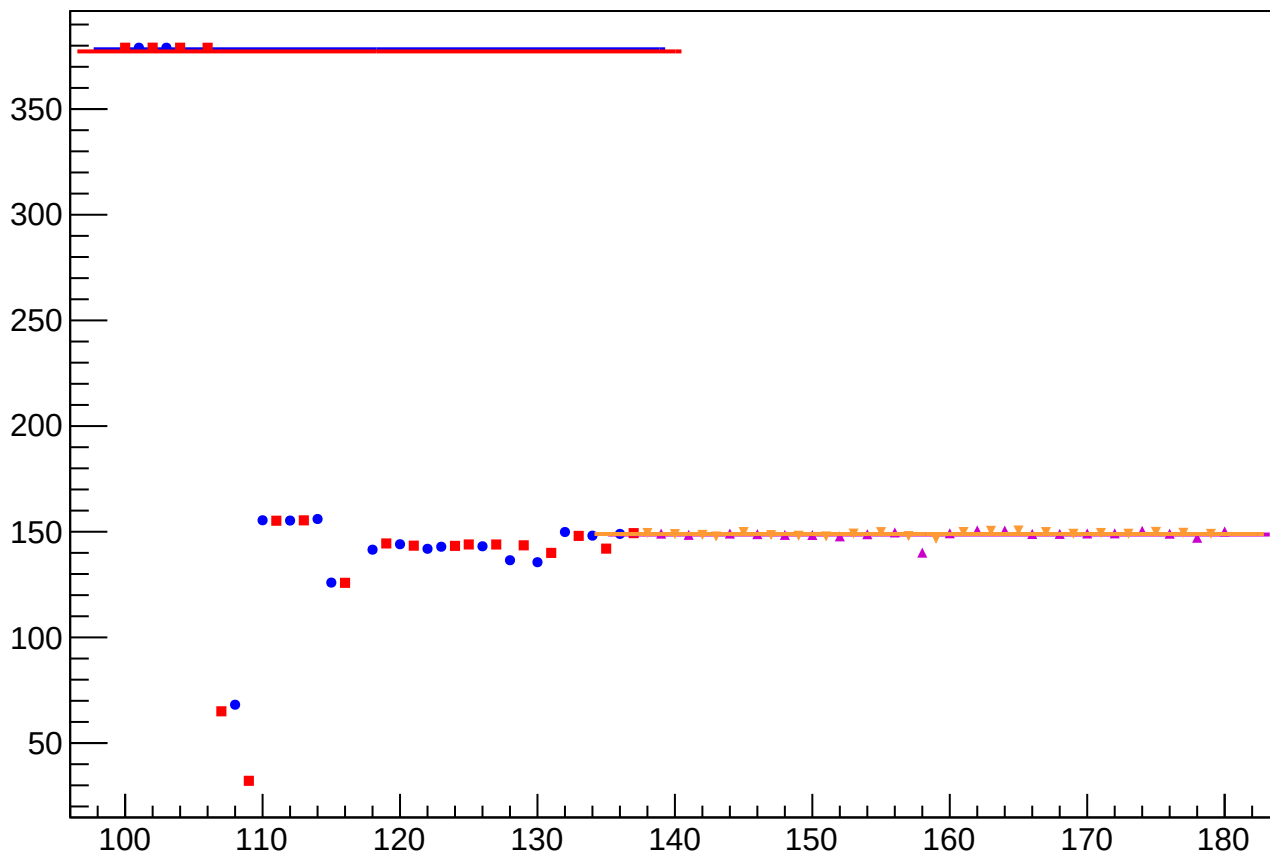
Left In: 0.554 $\pm$ 0.000 χ^2 /NDF:1021470.0/20

+ sign 0.553 $\pm$ 0.000 χ^2 /NDF: 4871086.0/38

All: 0.555 $\pm$ 0.000 χ^2 /NDF: 10579203.7/78

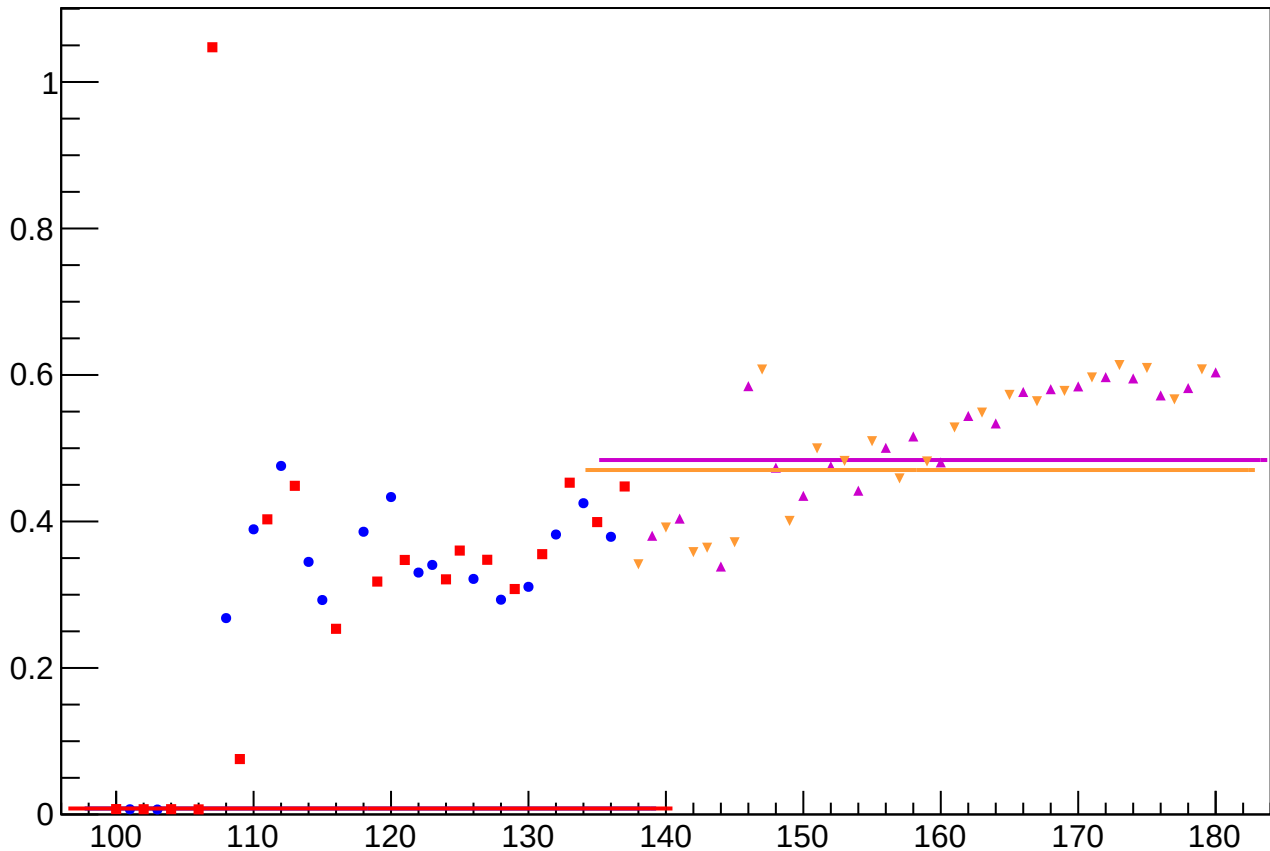
- sign 0.556 $\pm$ 0.000 χ^2 /NDF: 5707546.9/39

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16
 Left Out: 148.927+/-0.000 χ^2/NDF : 63777342.5/21
 Right Out: 377.287+/-0.000 χ^2/NDF : 8286303106836.4/18
 Left In: 148.677+/-0.000 χ^2/NDF : 253766710.5/20

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.470 $\pm$ 0.000 χ^2 /NDF: 1240743.7/21

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9522827.2/18

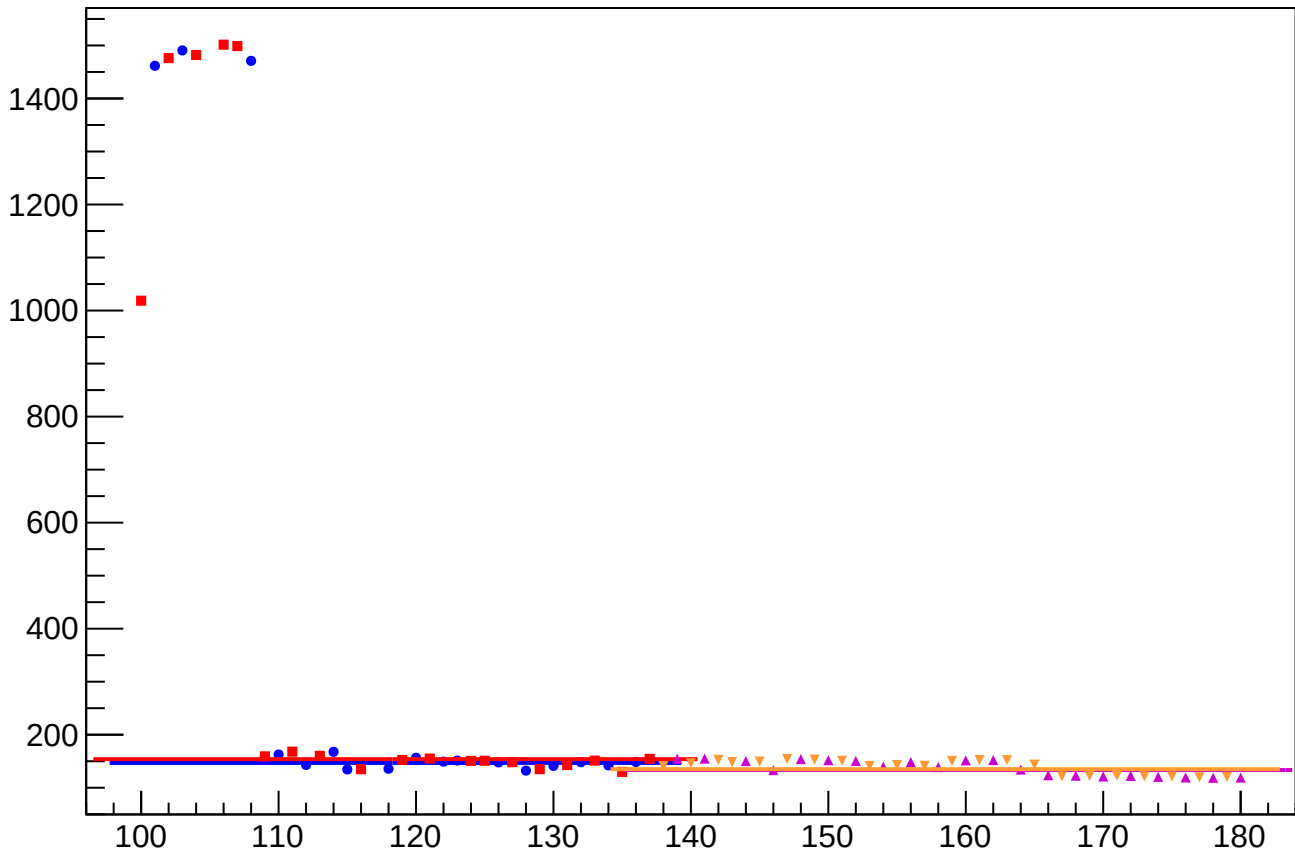
Left In: 0.484 $\pm$ 0.000 χ^2 /NDF: 971383.6/20

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 40912709.8/38

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 81326155.7/78

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 40411888.3/39

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 135.005+/-0.000 χ^2/NDF : 4017528005.9/21

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

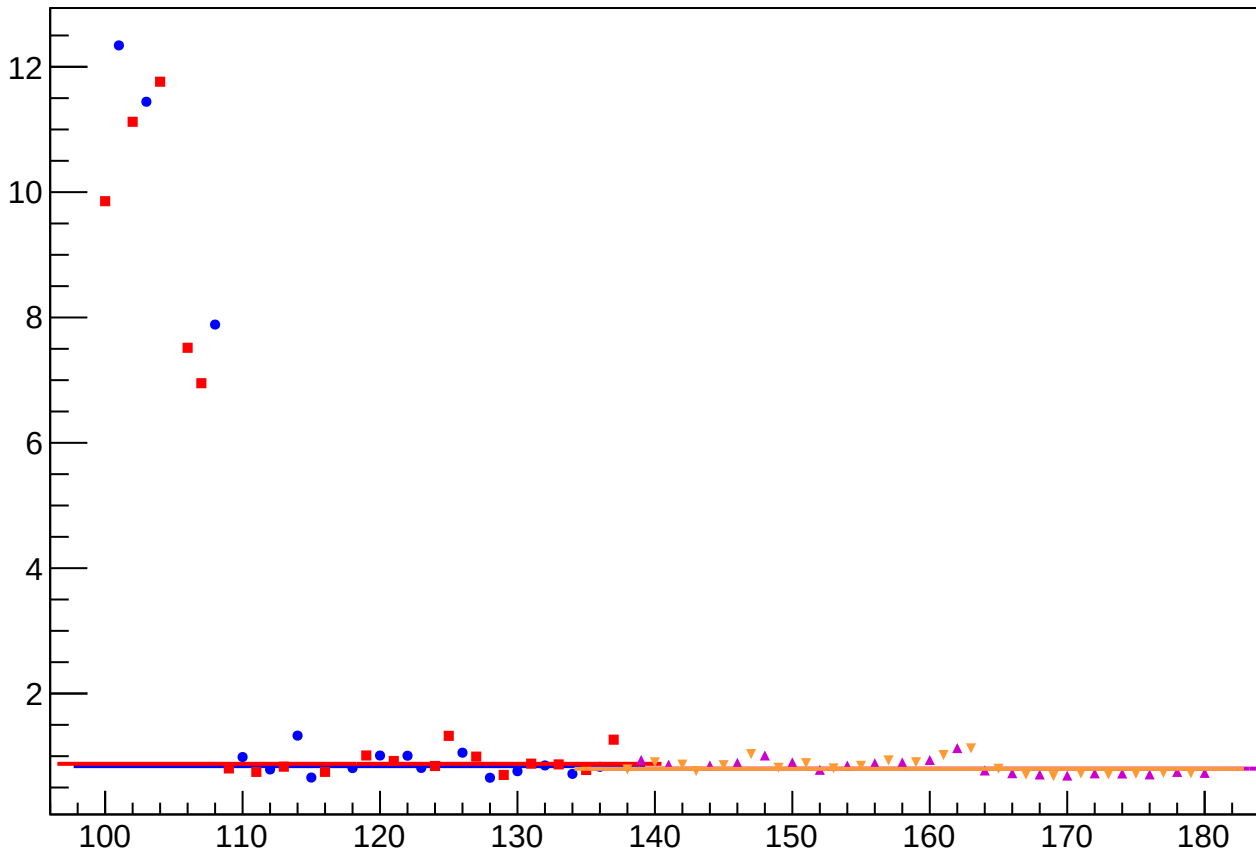
Left In: 133.354+/-0.000 χ^2/NDF : 4331621392.1/20

+ sign 137.318+/-0.000 χ^2/NDF : 28975869848.9/38

All: 137.337+/-0.000 χ^2/NDF : 68842597115.0

- sign 137.357+/-0.000 χ^2/NDF : 39866706676.4/39

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.799 ± 0.000 χ^2/NDF : 492132.2/21

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

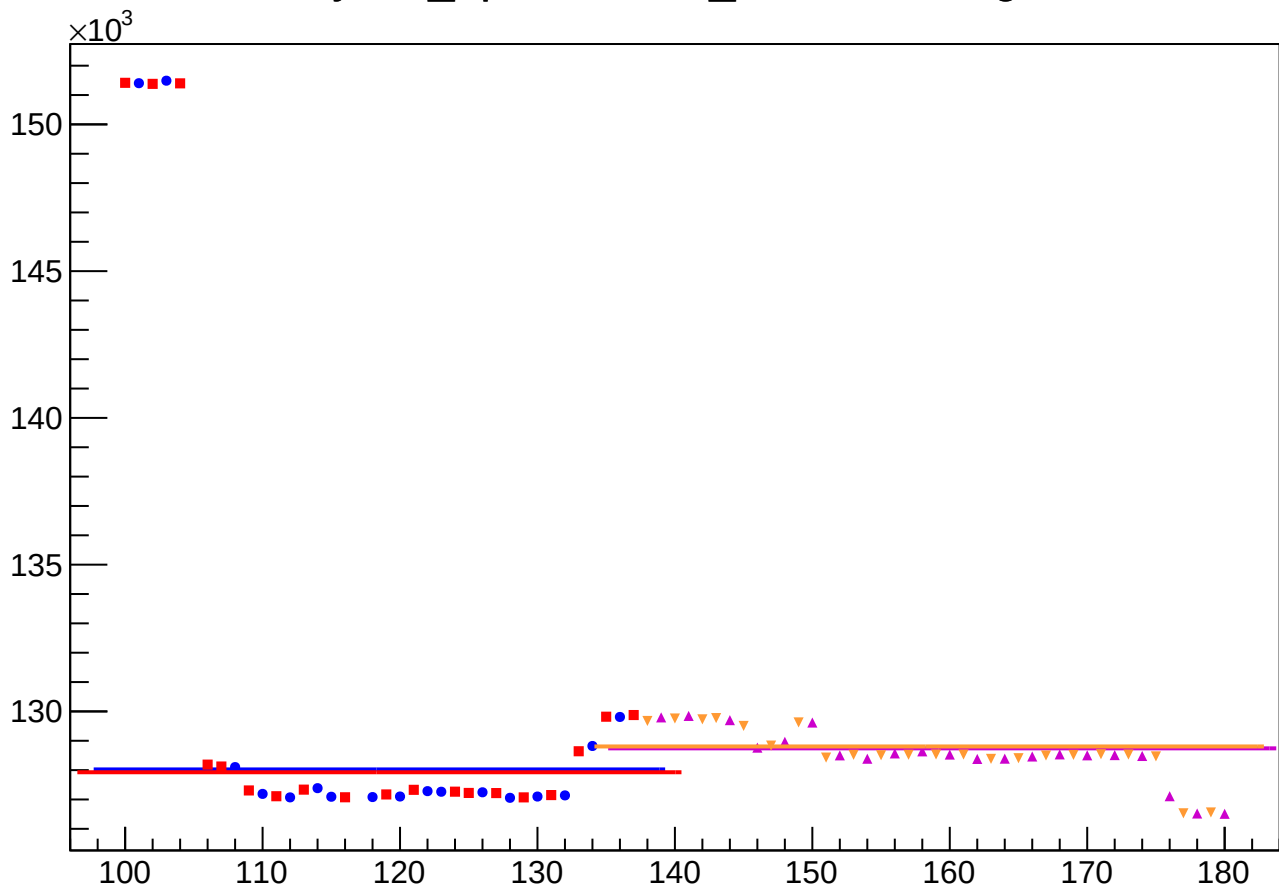
Left In: 0.801 ± 0.000 χ^2/NDF : 458661.8/20

+ sign 0.807 ± 0.000 χ^2/NDF : 3169765.5/38

All: 0.812 ± 0.000 χ^2/NDF : 6495625.5/78

- sign 0.816 ± 0.000 χ^2/NDF : 3323576.6/39

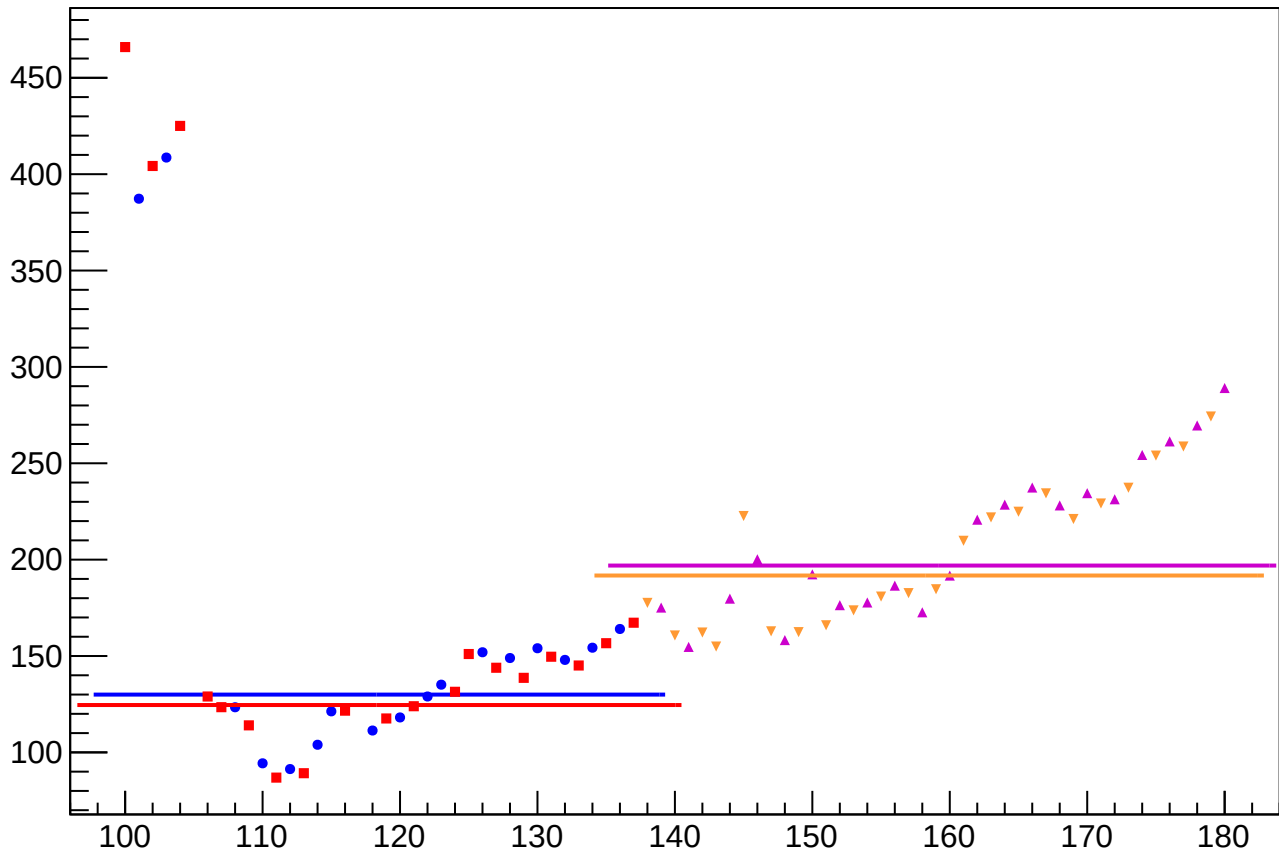
yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 ± 0.055 $\chi^2/\text{NDF}: 4316540586.9/16$
 Left Out: 128806.299 ± 0.048 $\chi^2/\text{NDF}: 248400922.2/21$
 Right Out: 127927.471 ± 0.050 $\chi^2/\text{NDF}: 3767047216.9/18$
 Left In: 128741.601 ± 0.050 $\chi^2/\text{NDF}: 260155502.9/20$

+ sign 128465.227 ± 0.036 $\chi^2/\text{NDF}: 4681182243.2$
 All: 128402.133 ± 0.025 $\chi^2/\text{NDF}: 88472234$
 - sign 128341.410 ± 0.035 $\chi^2/\text{NDF}: 4160013359.8$

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 191.767 $\pm$ 0.034 χ^2 /NDF: 953892.6/21

+ sign 164.845 $\pm$ 0.025 χ^2 /NDF: 3887887.6/38

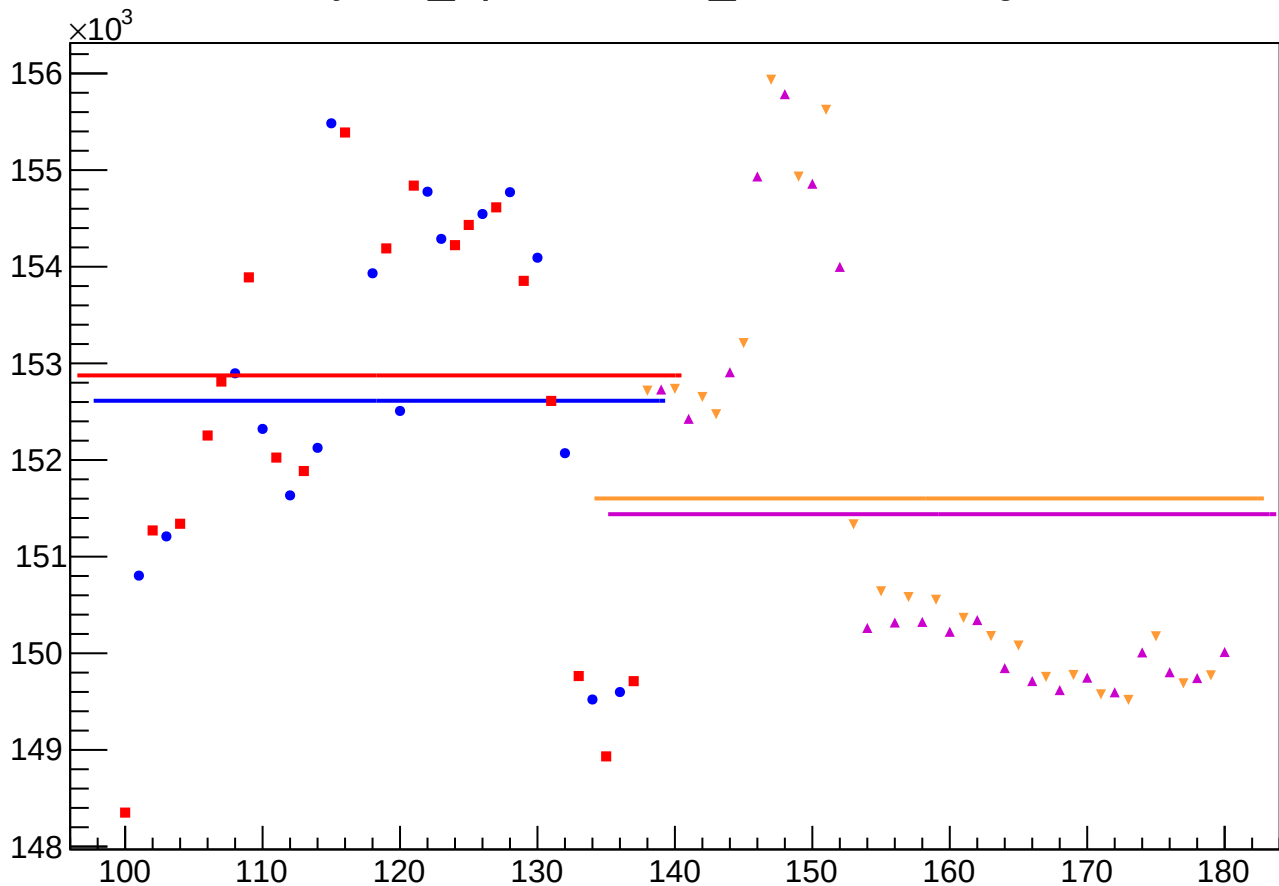
Right Out: 124.566 $\pm$ 0.036 χ^2 /NDF: 1531273.9/18

All: 163.069 $\pm$ 0.018 χ^2 /NDF: 8505192.5/78

- sign 161.360 $\pm$ 0.025 χ^2 /NDF: 4607756.0/39

Left In: 196.932 $\pm$ 0.035 χ^2 /NDF: 977845.6/20

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 151602.120 $\pm$ 0.051 χ^2 /NDF: 1375465003.2/21

Right Out: 152875.313 $\pm$ 0.066 χ^2 /NDF: 716358700.9/18

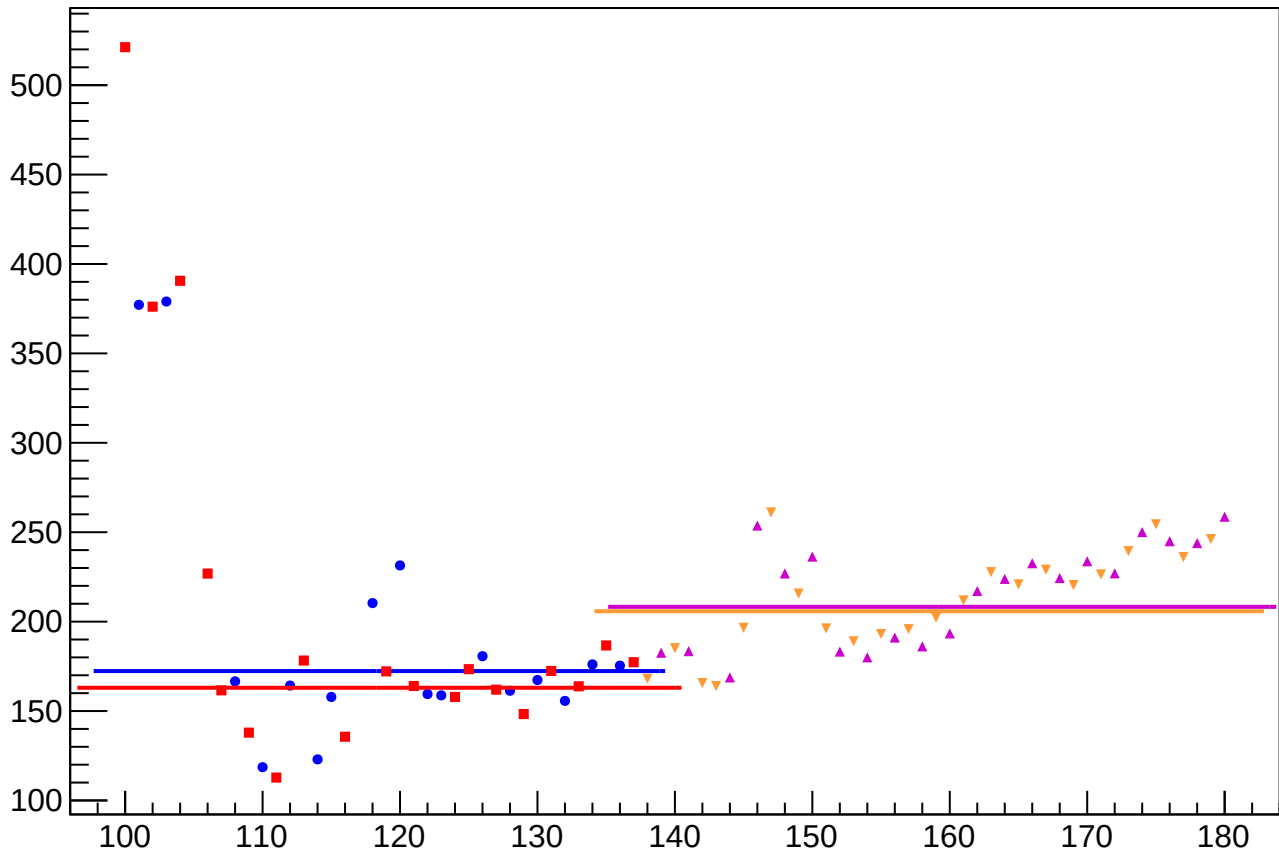
Left In: 151439.310 $\pm$ 0.052 χ^2 /NDF: 1364327544.8/20

+ sign 151940.232 $\pm$ 0.042 χ^2 /NDF: 2129085161.8

All: 151965.217 $\pm$ 0.029 χ^2 /NDF: 450084930

- sign 151989.222 $\pm$ 0.041 χ^2 /NDF: 2371063405.5

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 $\pm$ 0.051 χ^2 /NDF: 921911.1/16

Left Out: 205.816 $\pm$ 0.036 χ^2 /NDF: 542143.8/21

Right Out: 163.029 $\pm$ 0.047 χ^2 /NDF: 1032736.0/18

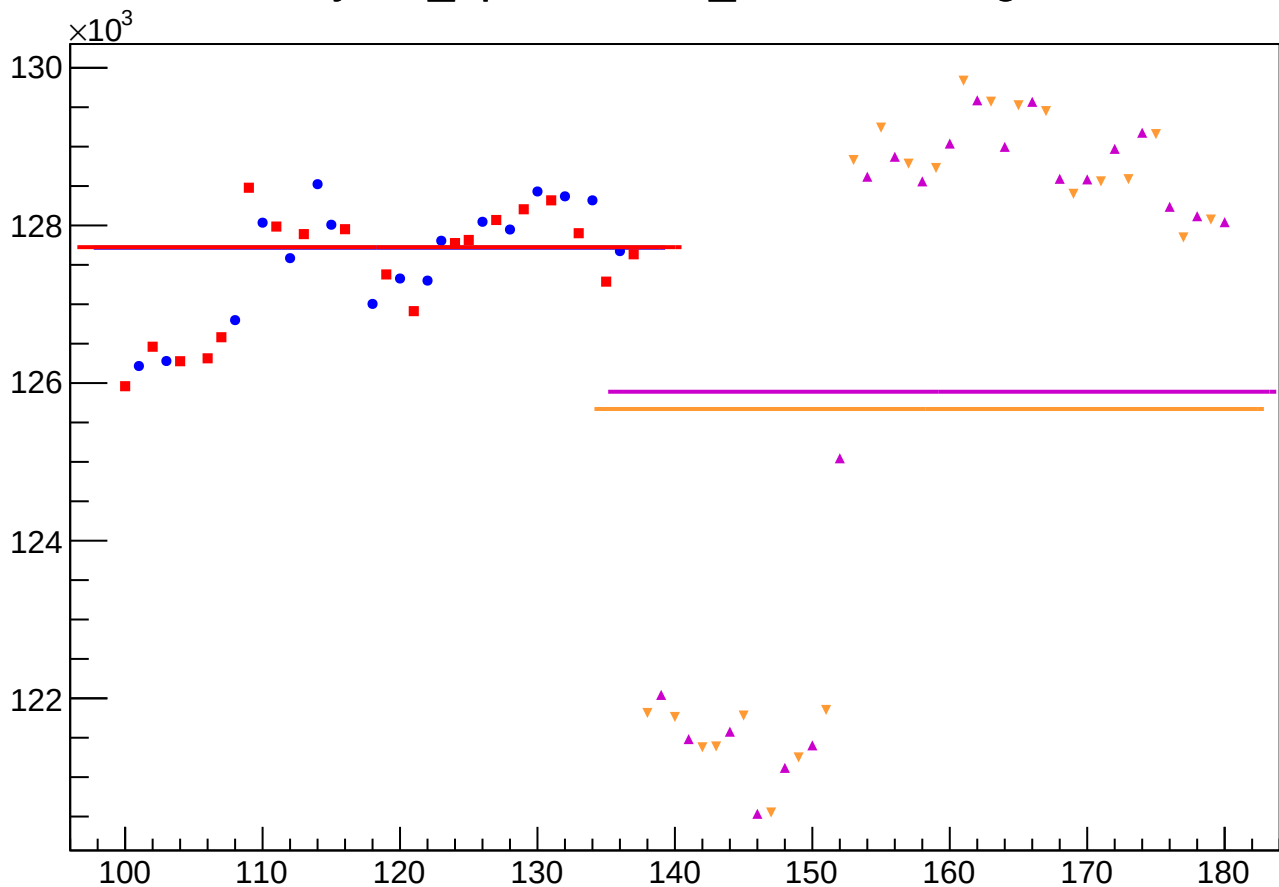
Left In: 208.273 $\pm$ 0.037 χ^2 /NDF: 586695.4/20

+ sign 194.624 $\pm$ 0.030 χ^2 /NDF: 1749498.4/38

All: 192.749 $\pm$ 0.021 χ^2 /NDF: 3953326.0/78

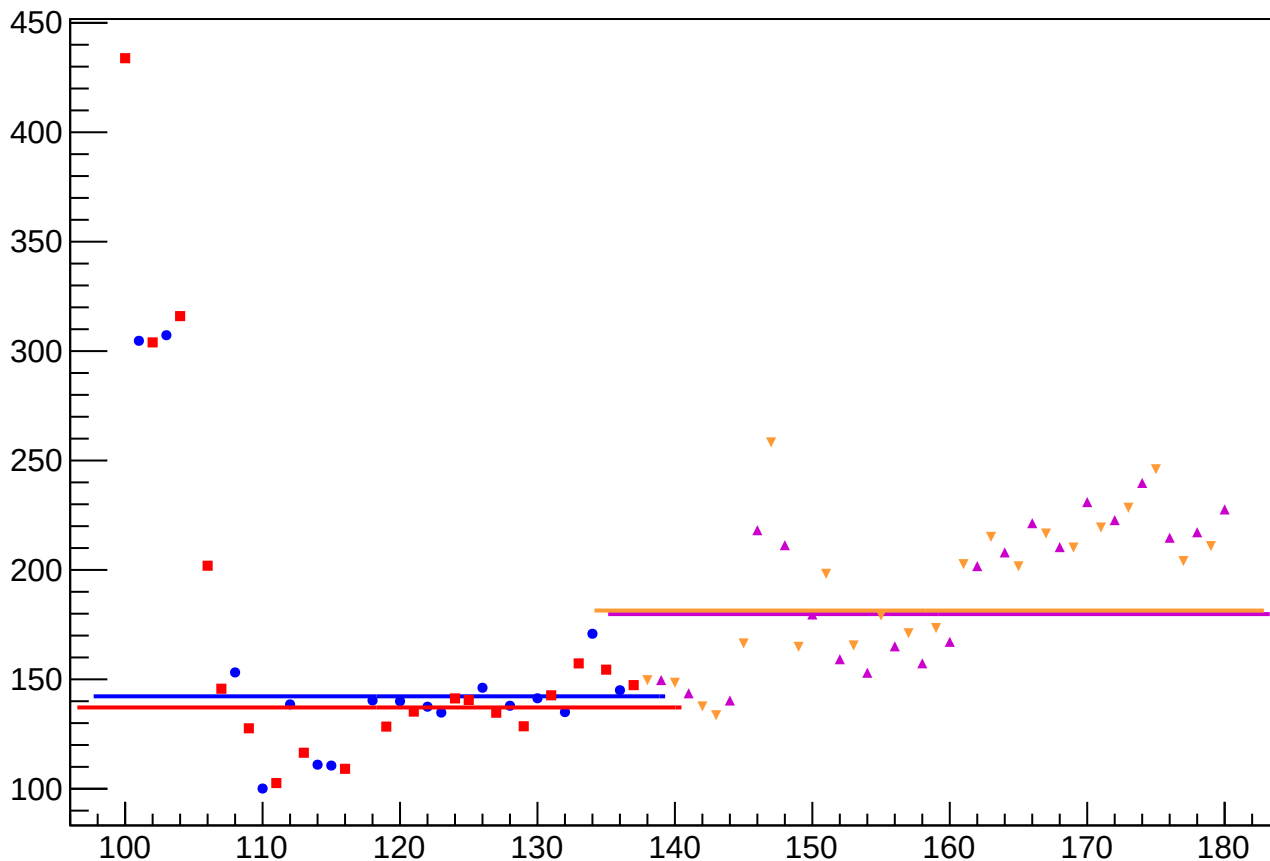
- sign 190.947 $\pm$ 0.029 χ^2 /NDF: 2195933.2/39

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058	χ^2 /NDF: 95177660.2/16	+ sign 126449.655 $\pm$ 0.036	χ^2 /NDF: 7330110901.5
Left Out: 125671.249 $\pm$ 0.046	χ^2 /NDF: 6470862864.4/21	All: 126548.849 $\pm$ 0.025	χ^2 /NDF: 139123927
Right Out: 127724.519 $\pm$ 0.055	χ^2 /NDF: 112550604.4/18	- sign 126642.457 $\pm$ 0.035	χ^2 /NDF: 6567479633.5/
Left In: 125890.021 $\pm$ 0.045	χ^2 /NDF: 5787158256.3/20		

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 181.440 $\pm$ 0.032 χ^2 /NDF: 996247.8/21

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

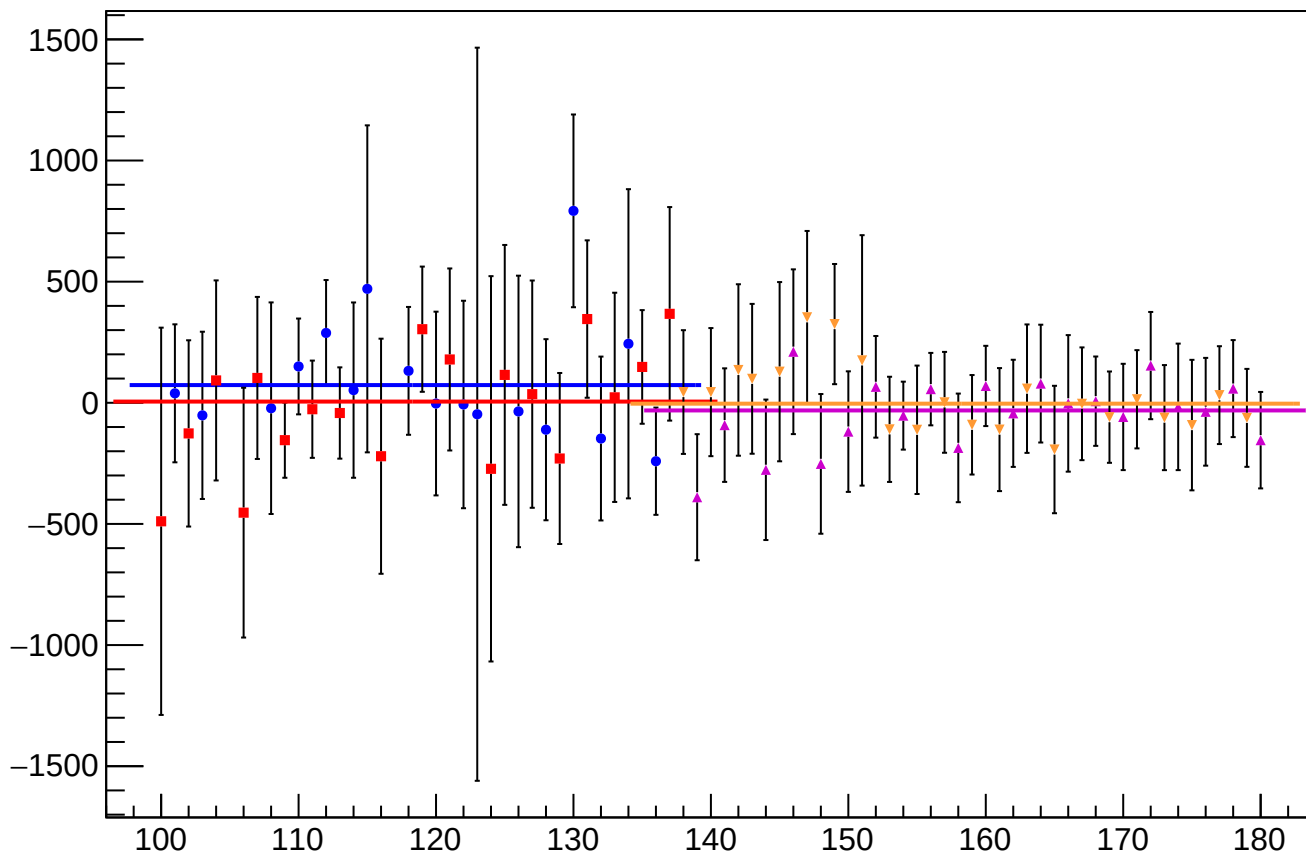
Left In: 179.811 $\pm$ 0.032 χ^2 /NDF: 1015927.0/20

+ sign 166.531 $\pm$ 0.025 χ^2 /NDF: 2393253.6/38

All: 164.361 $\pm$ 0.018 χ^2 /NDF: 5103271.2/78

- sign 162.314 $\pm$ 0.025 χ^2 /NDF: 2695852.3/39

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: -3.631+/-52.366 χ^2/NDF : 5.1/21

Right Out: 5.021+/-70.098 χ^2/NDF : 7.1/18

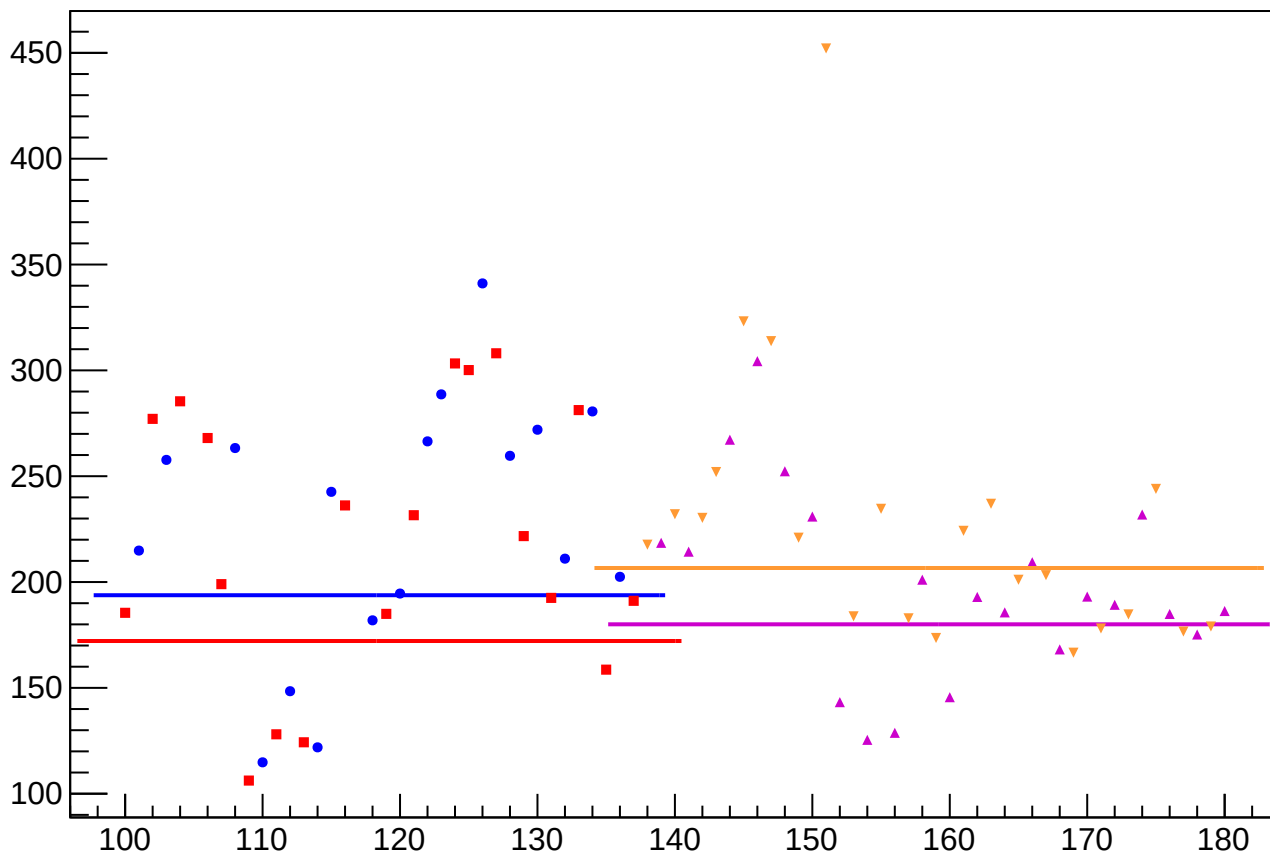
Left In: -31.575+/-46.525 χ^2/NDF : 6.9/20

+ sign 19.548+/-43.749 χ^2/NDF : 13.6/38

All: -2.822+/-29.013 χ^2/NDF : 28.2/78

- sign -20.384+/-38.764 χ^2/NDF : 14.2/39

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 206.635+/-0.037 χ^2/NDF :1340913.0/21

Right Out: 172.142+/-0.050 χ^2/NDF : 1580035.1/18

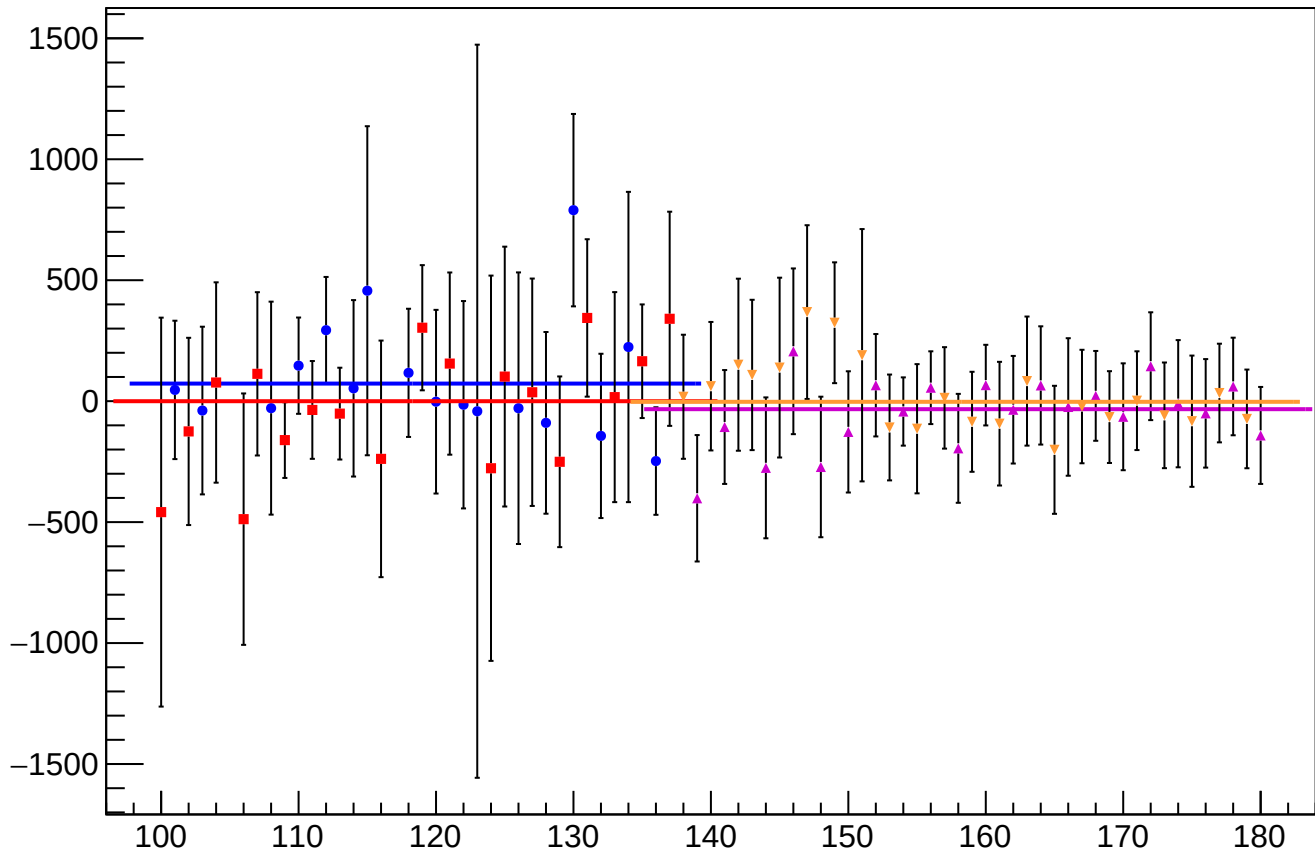
Left In: 180.028+/-0.033 χ^2/NDF :1579747.8/20

+ sign 202.750+/-0.031 χ^2/NDF : 2394439.2/38

All: 188.670+/-0.021 χ^2/NDF : 5941577.8/78

- sign 177.616+/-0.027 χ^2/NDF : 3177354.0/39

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675 $\pm$ 79.992 χ^2 /NDF: 7.8/16

Left Out: -2.671 $\pm$ 52.732 χ^2 /NDF: 5.2/21

Right Out: -0.181 $\pm$ 70.467 χ^2 /NDF: 7.3/18

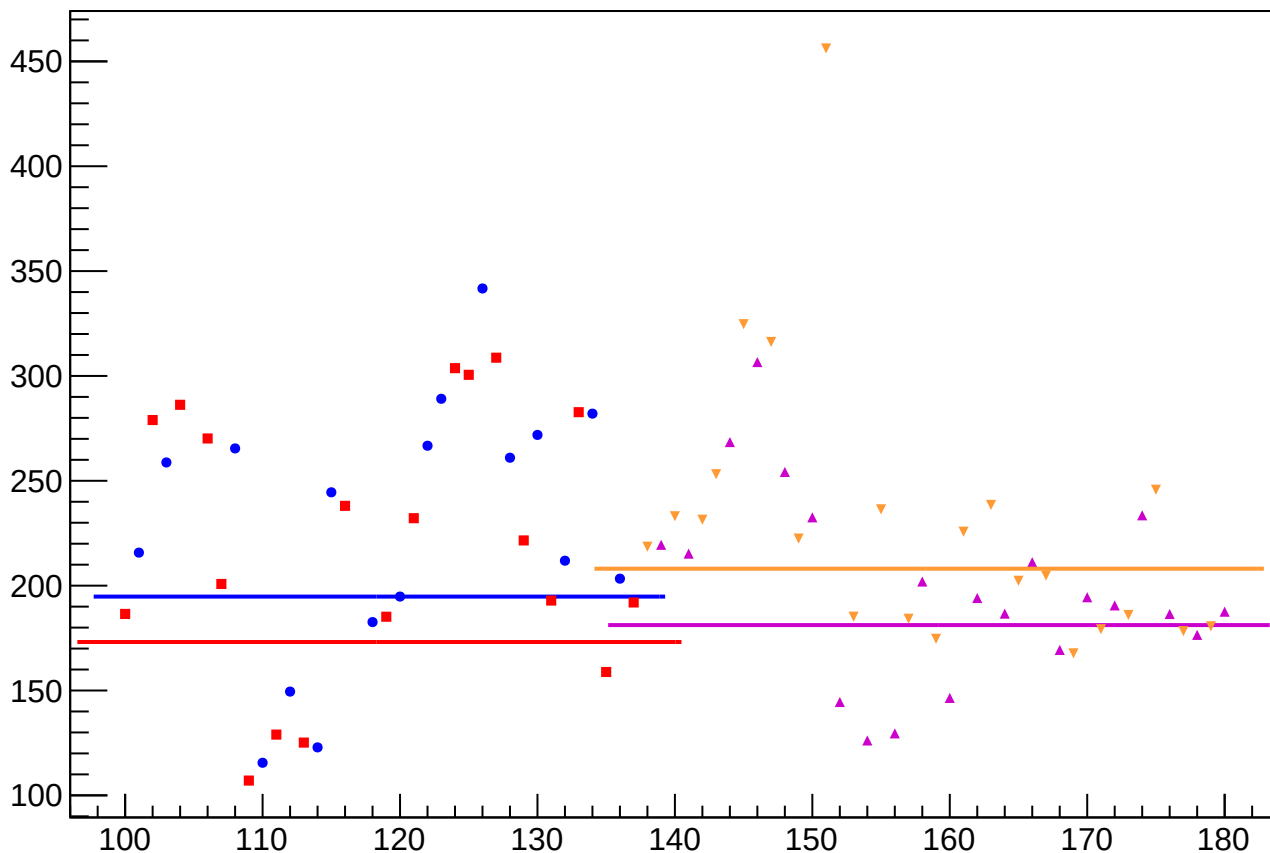
Left In: -33.137 $\pm$ 46.828 χ^2 /NDF: 7.0/20

+ sign 20.153 $\pm$ 44.026 χ^2 /NDF: 13.6/38

All: -4.049 $\pm$ 29.194 χ^2 /NDF: 28.5/78

- sign -23.042 $\pm$ 39.001 χ^2 /NDF: 14.4/39

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 ± 0.057 χ^2/NDF : 1008292.8/16

Left Out: 208.087 ± 0.037 χ^2/NDF : 1336587.7/21

Right Out: 173.131 ± 0.050 χ^2/NDF : 1567556.0/18

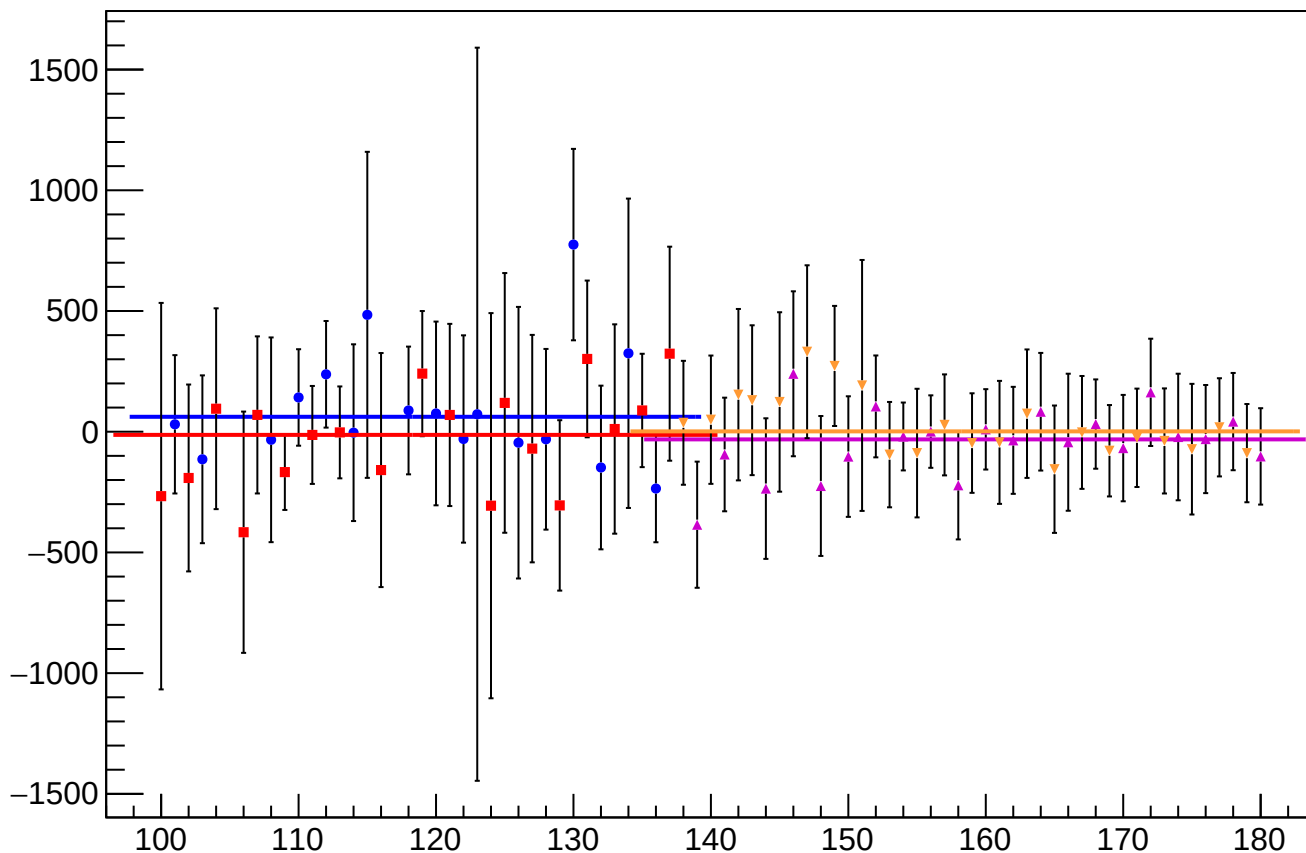
Left In: 181.196 ± 0.033 χ^2/NDF : 1579132.9/20

+ sign 204.057 ± 0.031 χ^2/NDF : 2383448.8/38

All: 189.864 ± 0.021 χ^2/NDF : 5919272.2/78

- sign 178.726 ± 0.028 χ^2/NDF : 3164860.6/39

asym_bcm_an_us_mean vs Slug



Right In: 61.814 ± 79.986 χ^2/NDF : 7.3/16

Left Out: 1.405 ± 52.604 χ^2/NDF : 4.0/21

Right Out: -13.101 ± 70.391 χ^2/NDF : 5.8/18

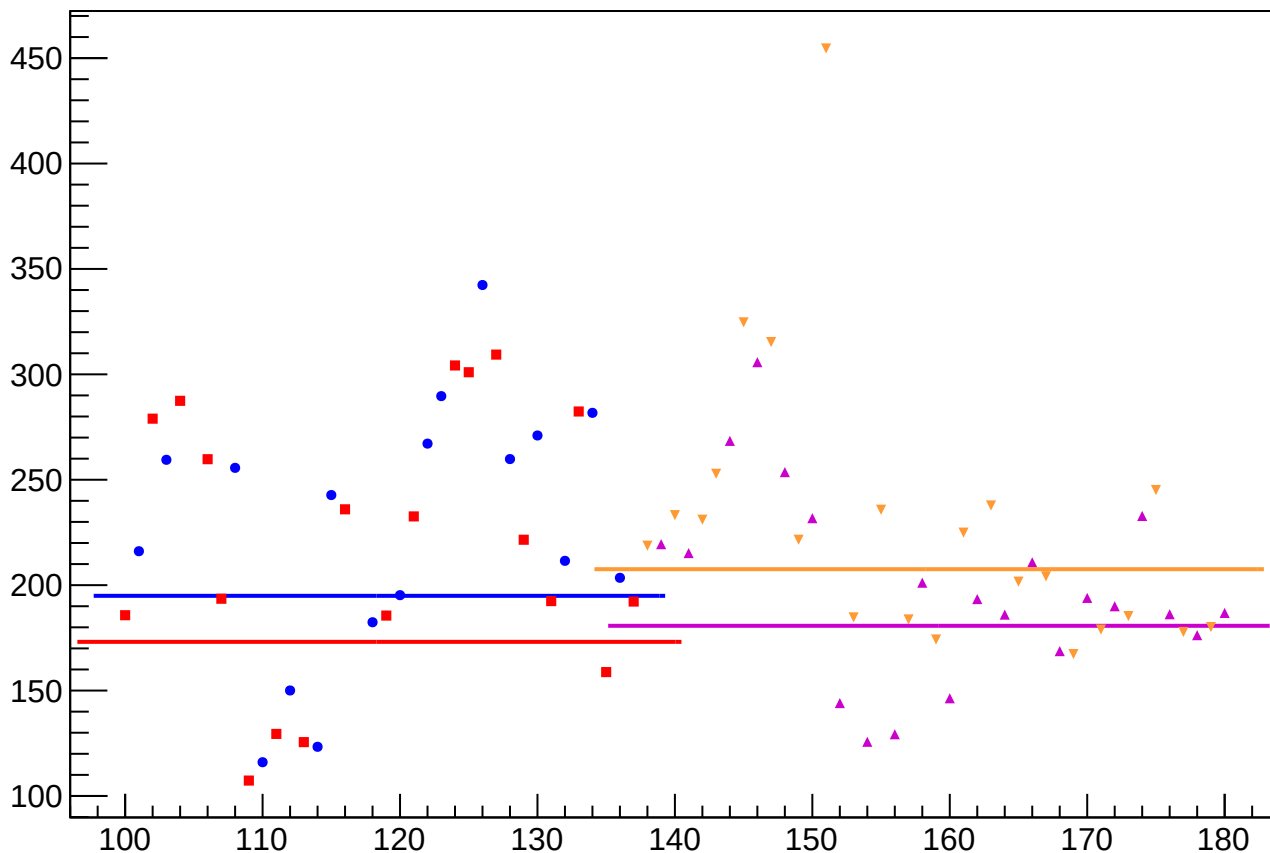
Left In: -31.783 ± 46.707 χ^2/NDF : 6.2/20

+ sign 19.645 ± 43.951 χ^2/NDF : 11.7/38

All: -5.980 ± 29.137 χ^2/NDF : 24.3/78

- sign -26.072 ± 38.919 χ^2/NDF : 12.0/39

asym_bcm_an_us_rms vs Slug



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 207.574 $\pm$ 0.037 χ^2 /NDF:1339188.2/21

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

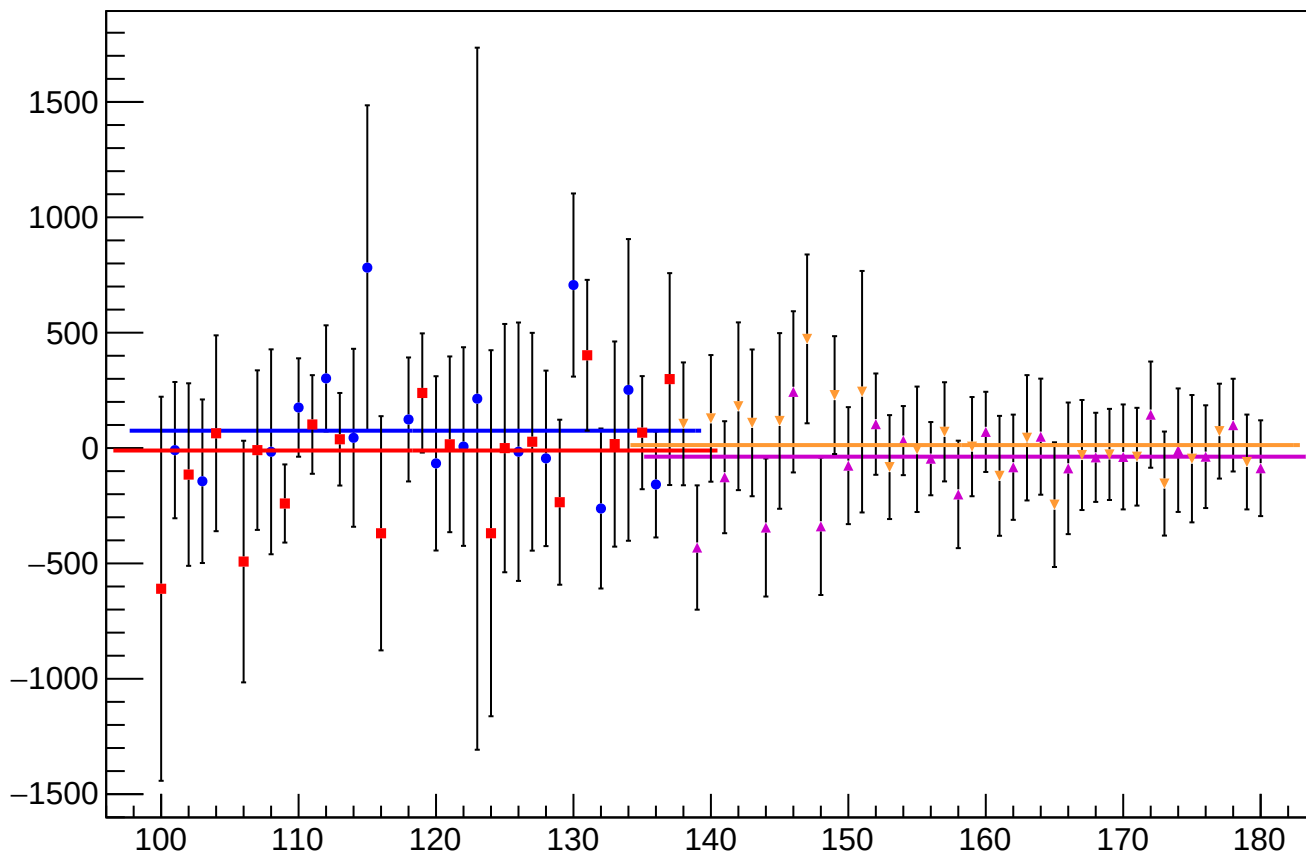
Left In: 180.720 $\pm$ 0.033 χ^2 /NDF:1582485.8/20

+ sign 203.759 $\pm$ 0.031 χ^2 /NDF: 2360658.2/38

All: 189.542 $\pm$ 0.021 χ^2 /NDF: 5877498.5/78

- sign 178.394 $\pm$ 0.028 χ^2 /NDF: 3143446.0/39

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 12.878 $\pm$ 54.040 χ^2 /NDF: 5.6/21

Right Out: -10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

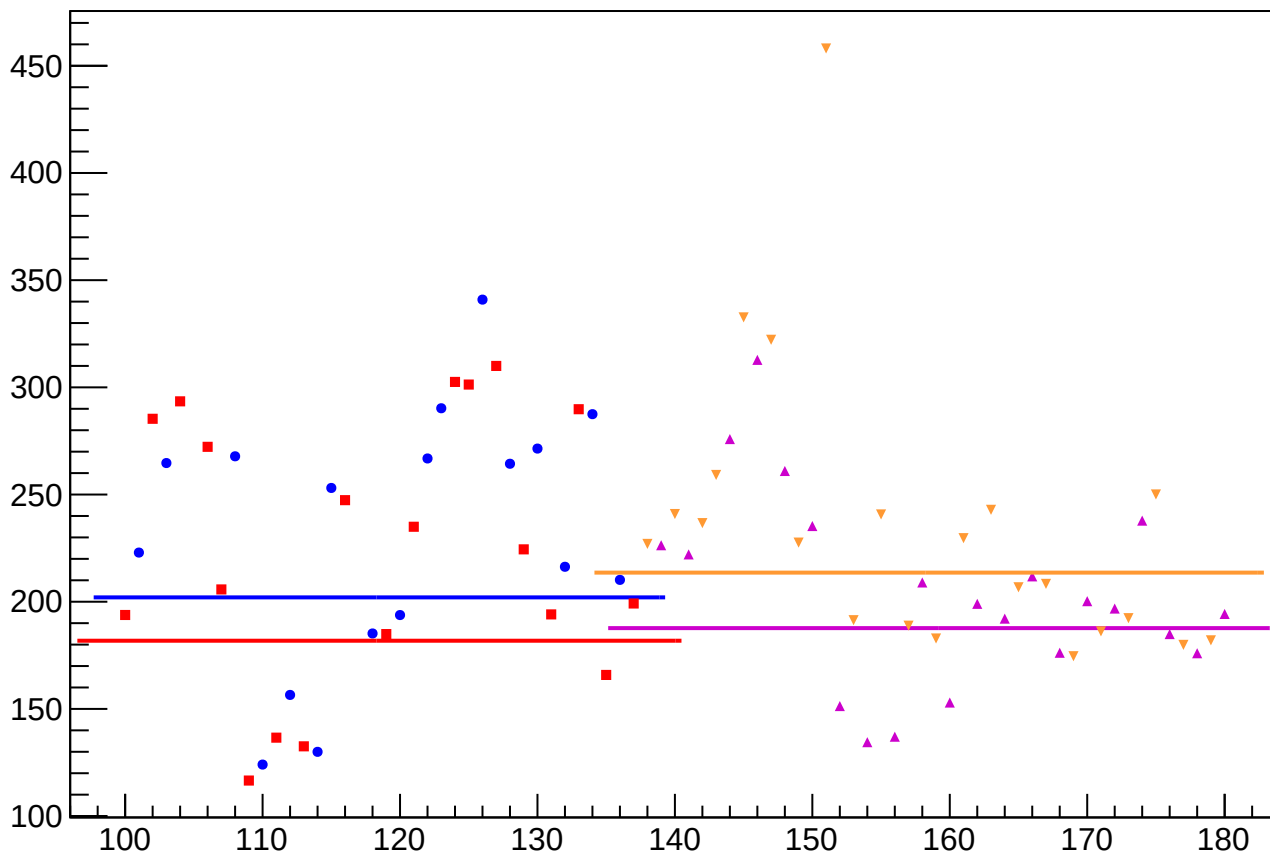
Left In: -37.378 $\pm$ 48.335 χ^2 /NDF: 7.9/20

+ sign 31.590 $\pm$ 45.206 χ^2 /NDF: 13.6/38

All: -2.289 $\pm$ 30.106 χ^2 /NDF: 30.4/78

- sign -29.291 $\pm$ 40.358 χ^2 /NDF: 15.8/39

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 213.583 $\pm$ 0.038 χ^2 /NDF:1293504.3/21

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

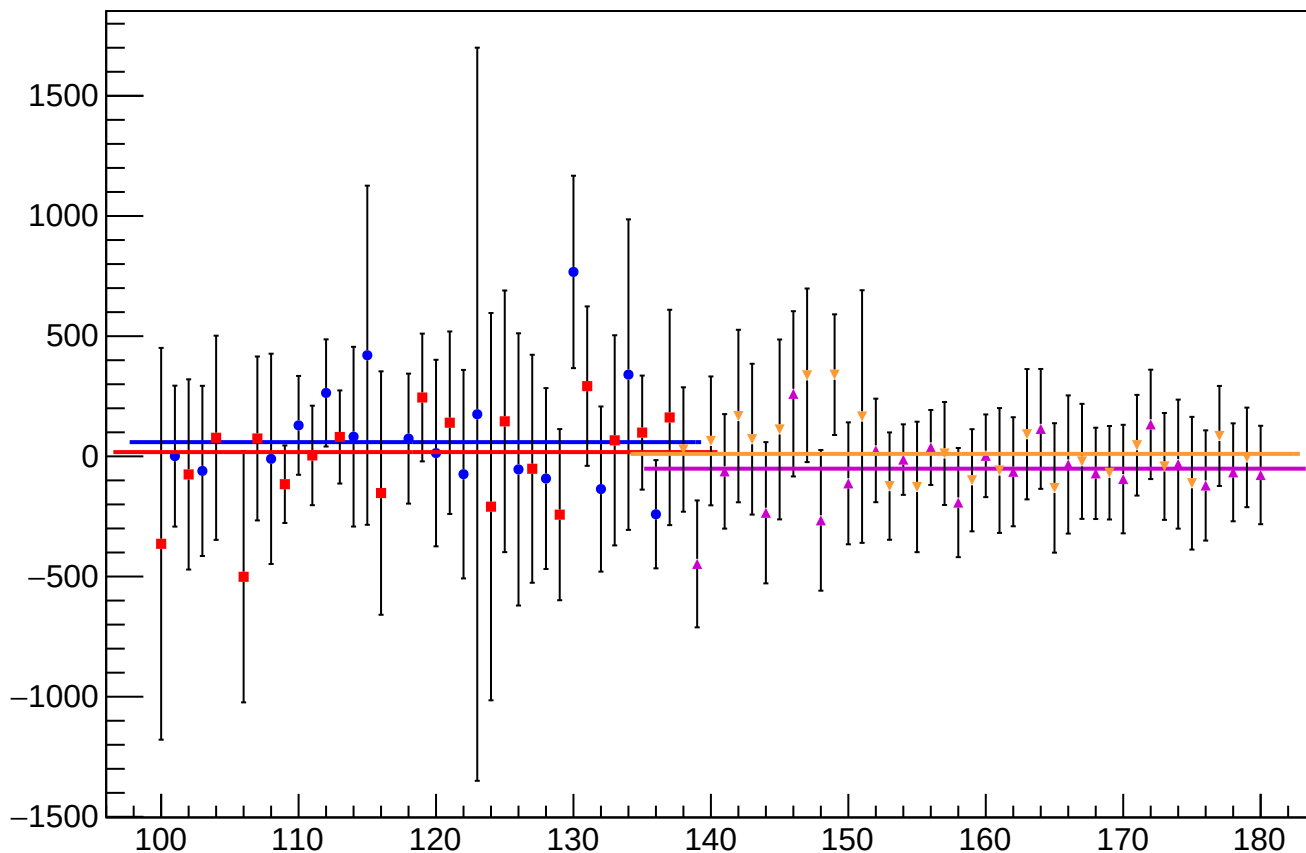
Left In: 187.689 $\pm$ 0.034 χ^2 /NDF:1426799.5/20

+ sign 210.114 $\pm$ 0.032 χ^2 /NDF: 2202560.2/38

All: 196.645 $\pm$ 0.021 χ^2 /NDF: 5334930.8/78

- sign 185.909 $\pm$ 0.029 χ^2 /NDF: 2813294.4/39

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 ± 81.417 χ^2/NDF : 7.1/16

Left Out: 10.333 ± 53.661 χ^2/NDF : 4.9/21

Right Out: 17.727 ± 71.900 χ^2/NDF : 4.7/18

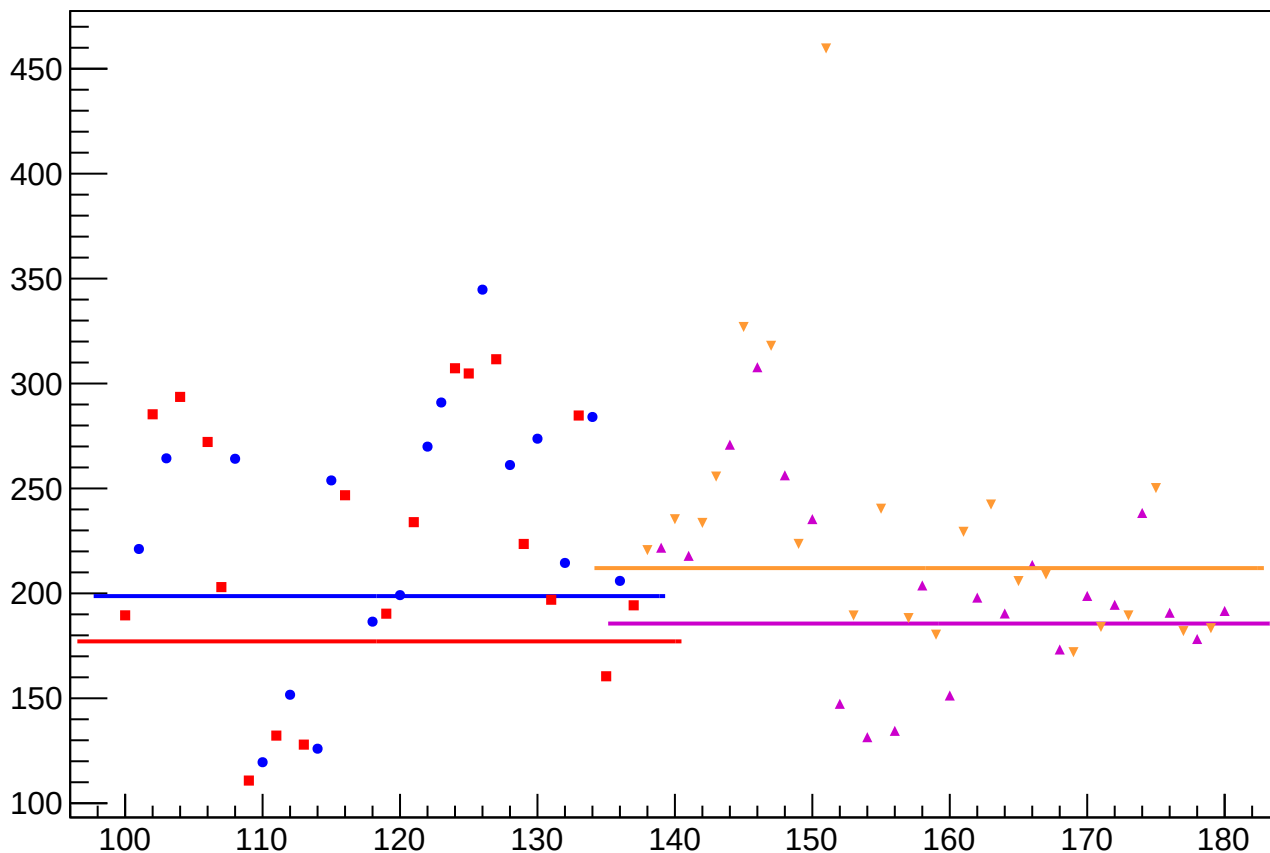
Left In: -51.229 ± 47.855 χ^2/NDF : 6.3/20

+ sign 25.124 ± 44.805 χ^2/NDF : 12.3/38

All: -5.695 ± 29.771 χ^2/NDF : 24.8/78

- sign -30.060 ± 39.838 χ^2/NDF : 11.6/39

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2/NDF : 963394.4/16

Left Out: 212.042 $\pm$ 0.038 χ^2/NDF : 1278070.2/21

Right Out: 177.125 $\pm$ 0.051 χ^2/NDF : 1524889.9/18

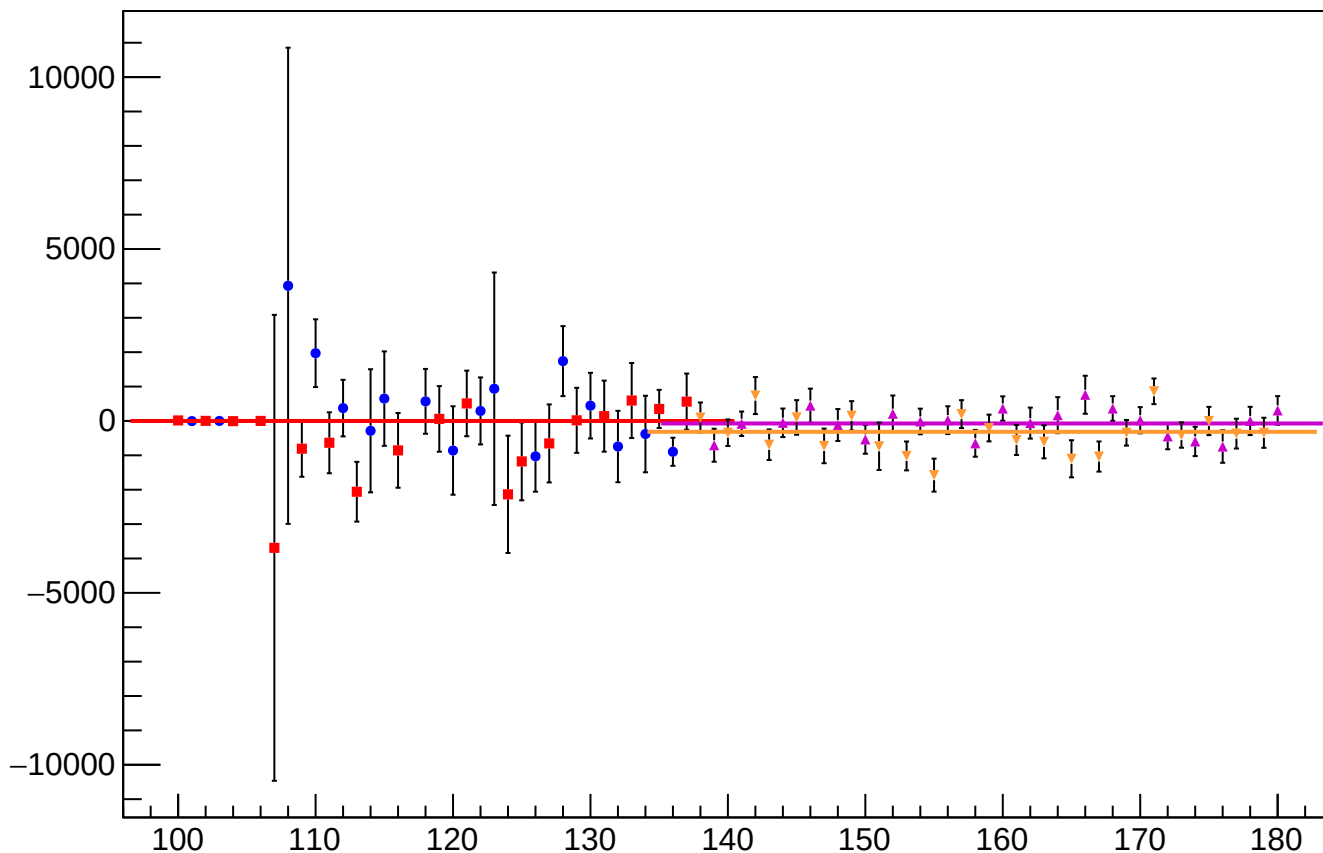
Left In: 185.619 $\pm$ 0.034 χ^2/NDF : 1457592.7/20

+ sign 208.002 $\pm$ 0.032 χ^2/NDF : 2278885.0/38

All: 194.045 $\pm$ 0.021 χ^2/NDF : 5628208.1/78

- sign 183.011 $\pm$ 0.028 χ^2/NDF : 3001827.8/39

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -316.816 ± 93.264 χ^2/NDF : 35.8/21

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.4/18

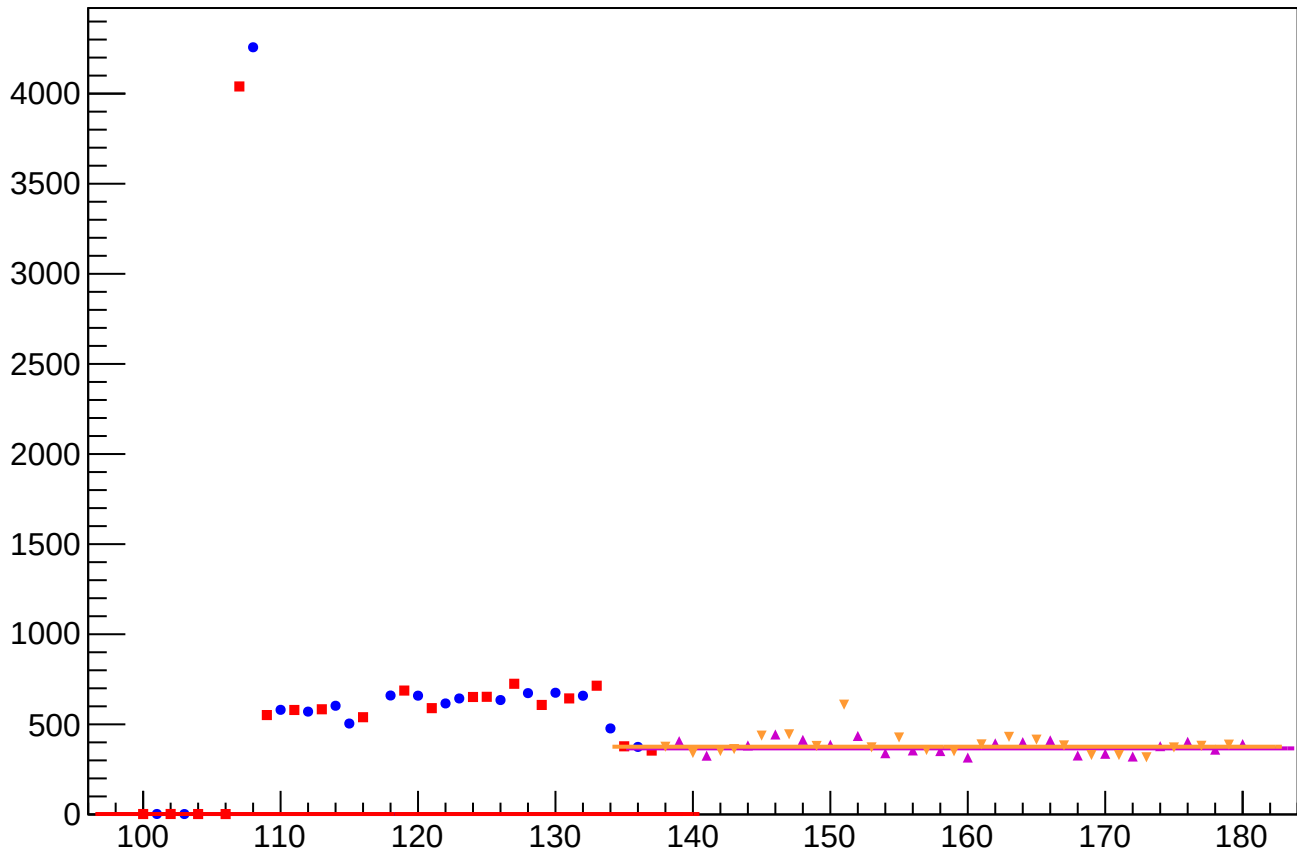
Left In: -73.467 ± 91.630 χ^2/NDF : 17.5/20

+ sign -1.713 ± 2.251 χ^2/NDF : 63.9/38

All: -1.211 ± 1.540 χ^2/NDF : 100.6/78

- sign -0.770 ± 2.111 χ^2/NDF : 36.6/39

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 375.961+/-0.066 χ^2/NDF : 507331.0/21

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

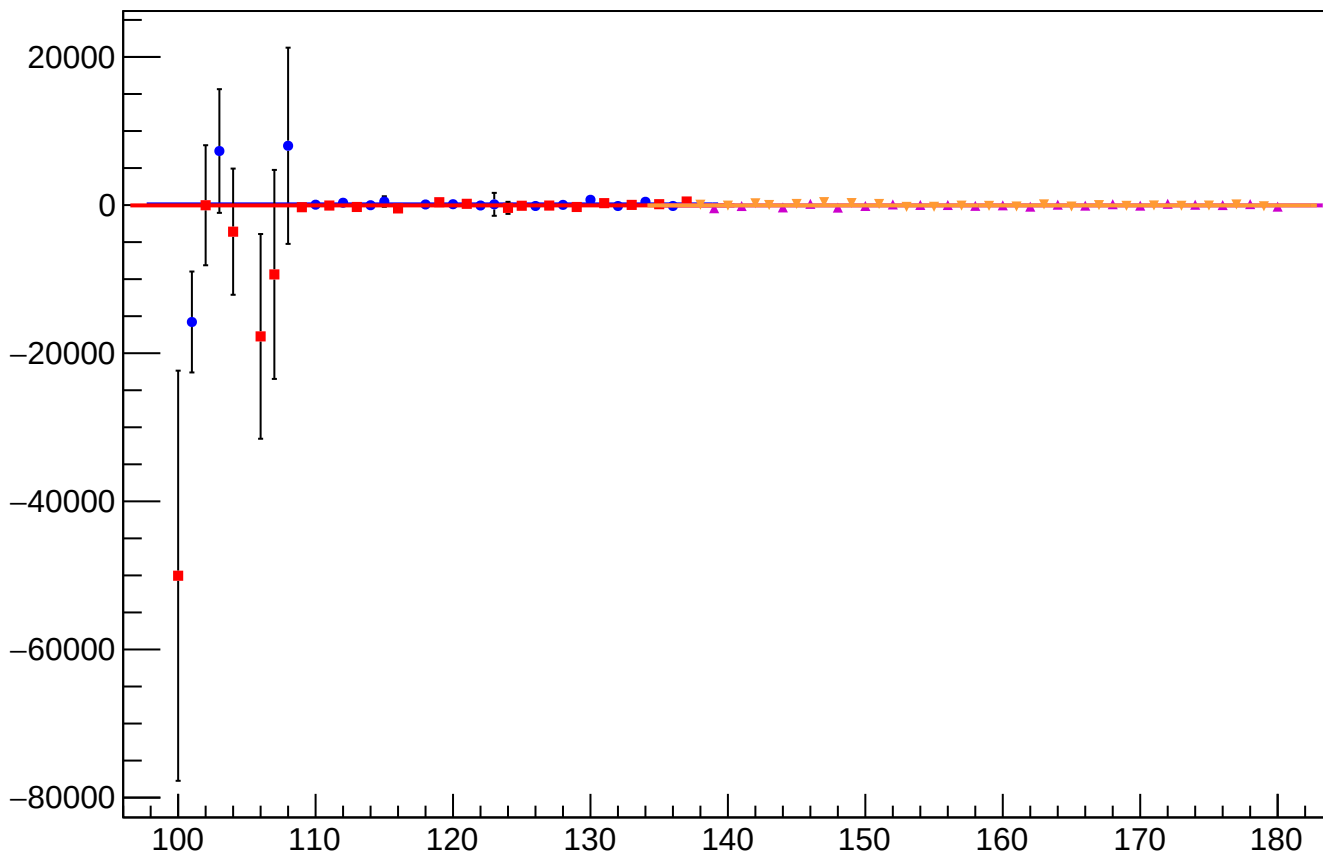
Left In: 366.657+/-0.065 χ^2/NDF : 322429.3/20

+ sign 2.674+/-0.002 χ^2/NDF : 43271822.0/38

All: 2.650+/-0.001 χ^2/NDF : 86317901.2/78

- sign 2.630+/-0.001 χ^2/NDF : 43045676.9/39

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -41.613+/-54.628 χ^2/NDF : 6.9/21

Right Out: -42.617+/-84.547 χ^2/NDF : 14.0/18

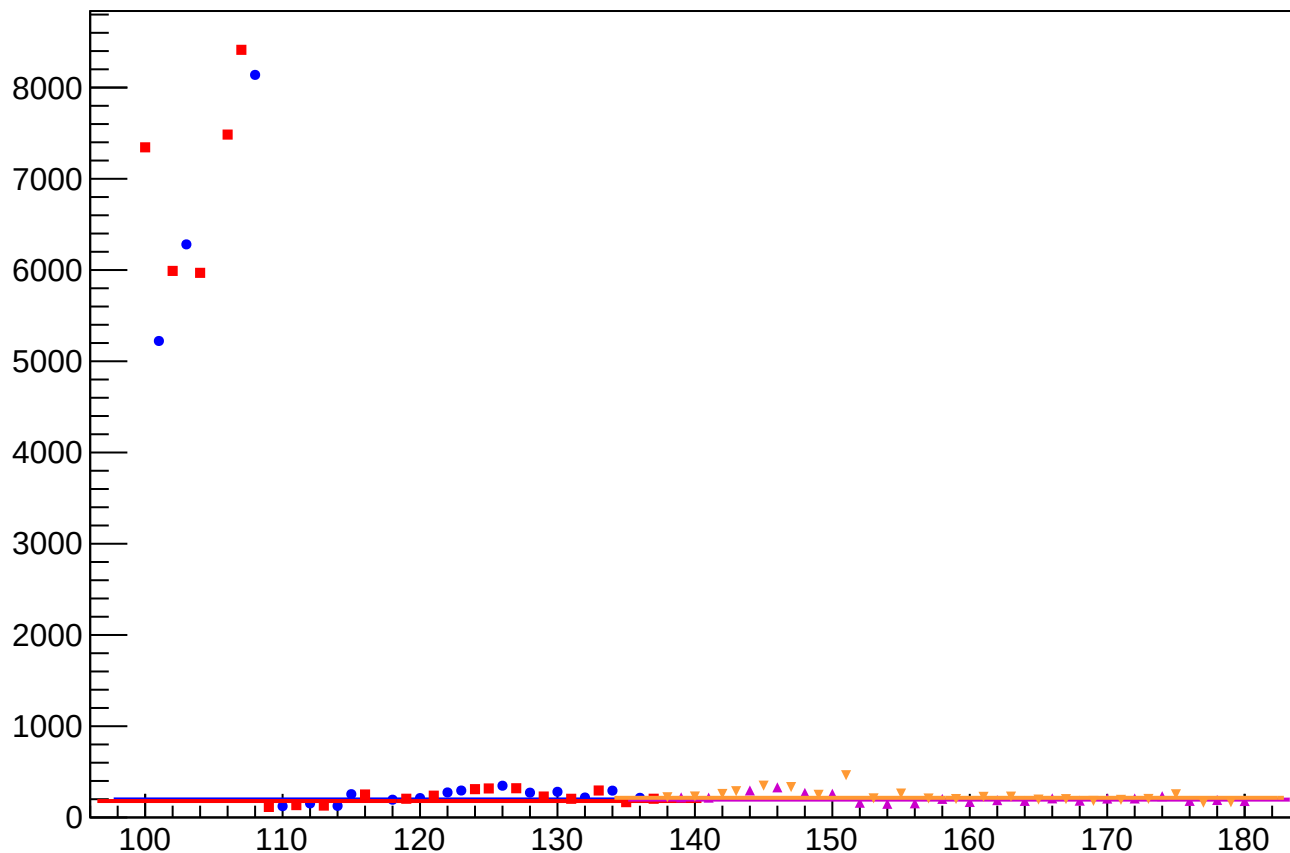
Left In: -41.228+/-50.066 χ^2/NDF : 8.7/20

+ sign -5.742+/-46.933 χ^2/NDF : 20.5/38

All: -25.197+/-31.737 χ^2/NDF : 43.5/78

- sign -41.588+/-43.079 χ^2/NDF : 22.7/39

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 215.335+/-0.039 χ^2/NDF : 1511453.4/21

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

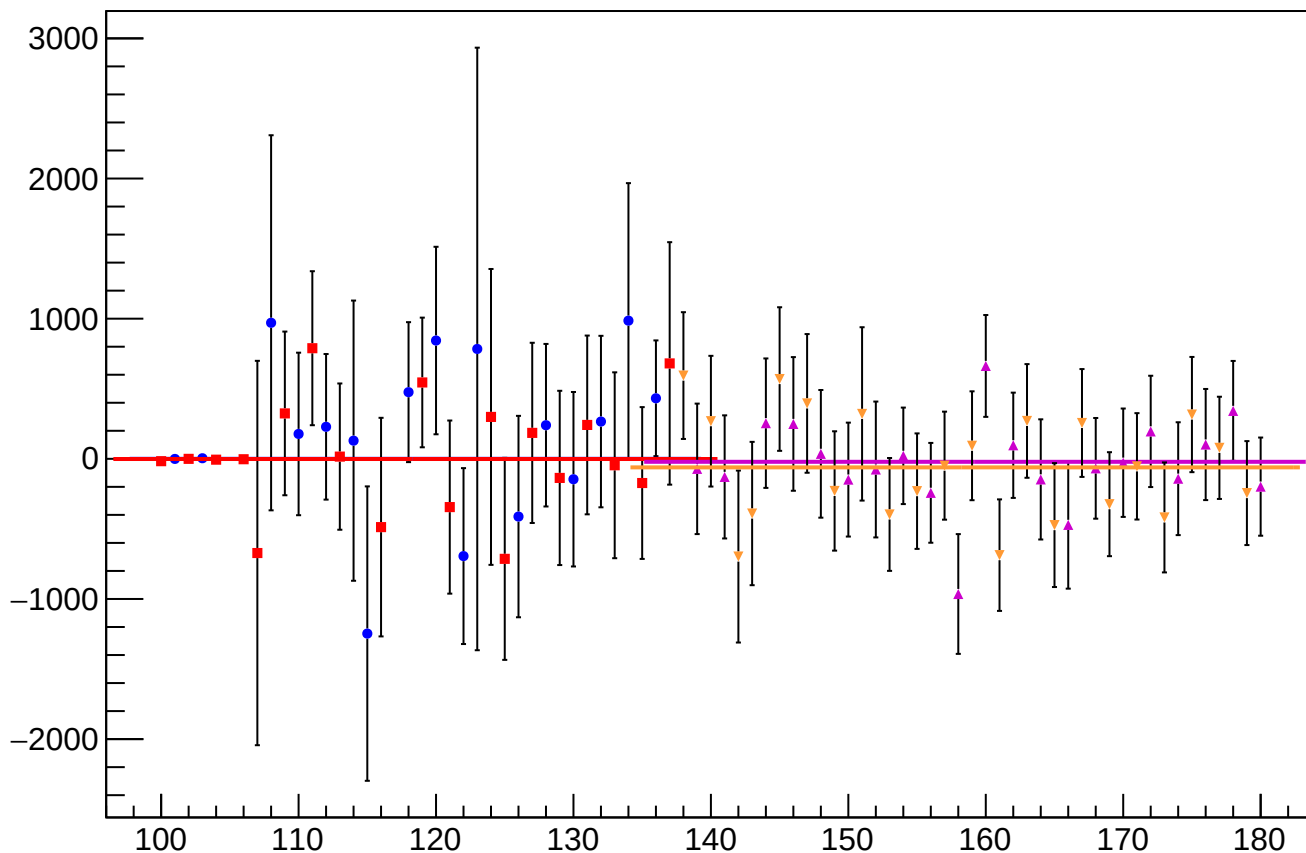
Left In: 195.463+/-0.035 χ^2/NDF : 1144194.2/20

+ sign 210.643+/-0.033 χ^2/NDF : 5263620.3/38

All: 200.223+/-0.022 χ^2/NDF : 10960513.0/78

- sign 191.444+/-0.030 χ^2/NDF : 5515238.0/39

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -61.065 ± 90.132 χ^2/NDF : 15.3/21

Right Out: -1.324 ± 1.623 χ^2/NDF : 9.5/18

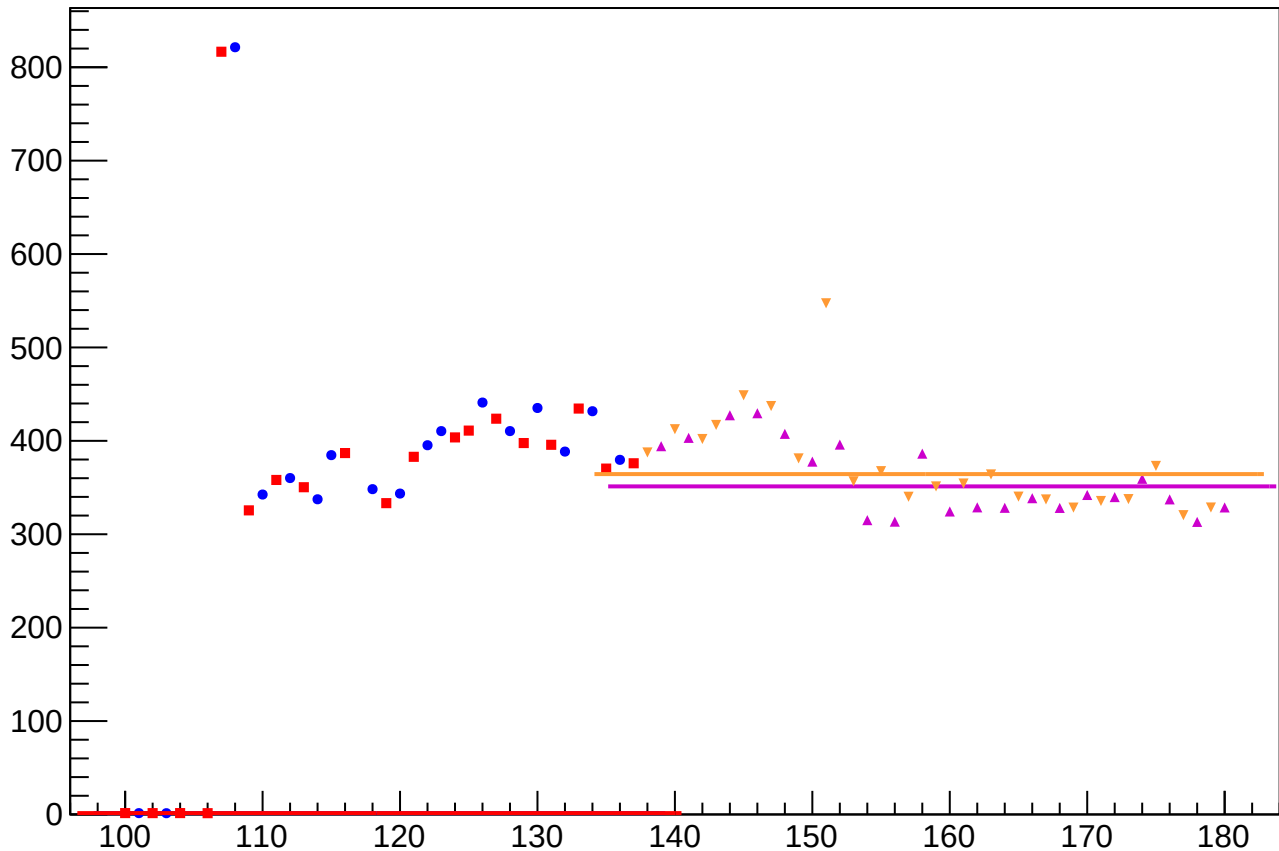
Left In: -21.294 ± 87.681 χ^2/NDF : 12.7/20

+ sign -0.162 ± 1.736 χ^2/NDF : 25.5/38

All: -0.786 ± 1.185 χ^2/NDF : 47.9/78

- sign -1.330 ± 1.622 χ^2/NDF : 22.2/39

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 364.402+/-0.064 χ^2/NDF :447155.0/21

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

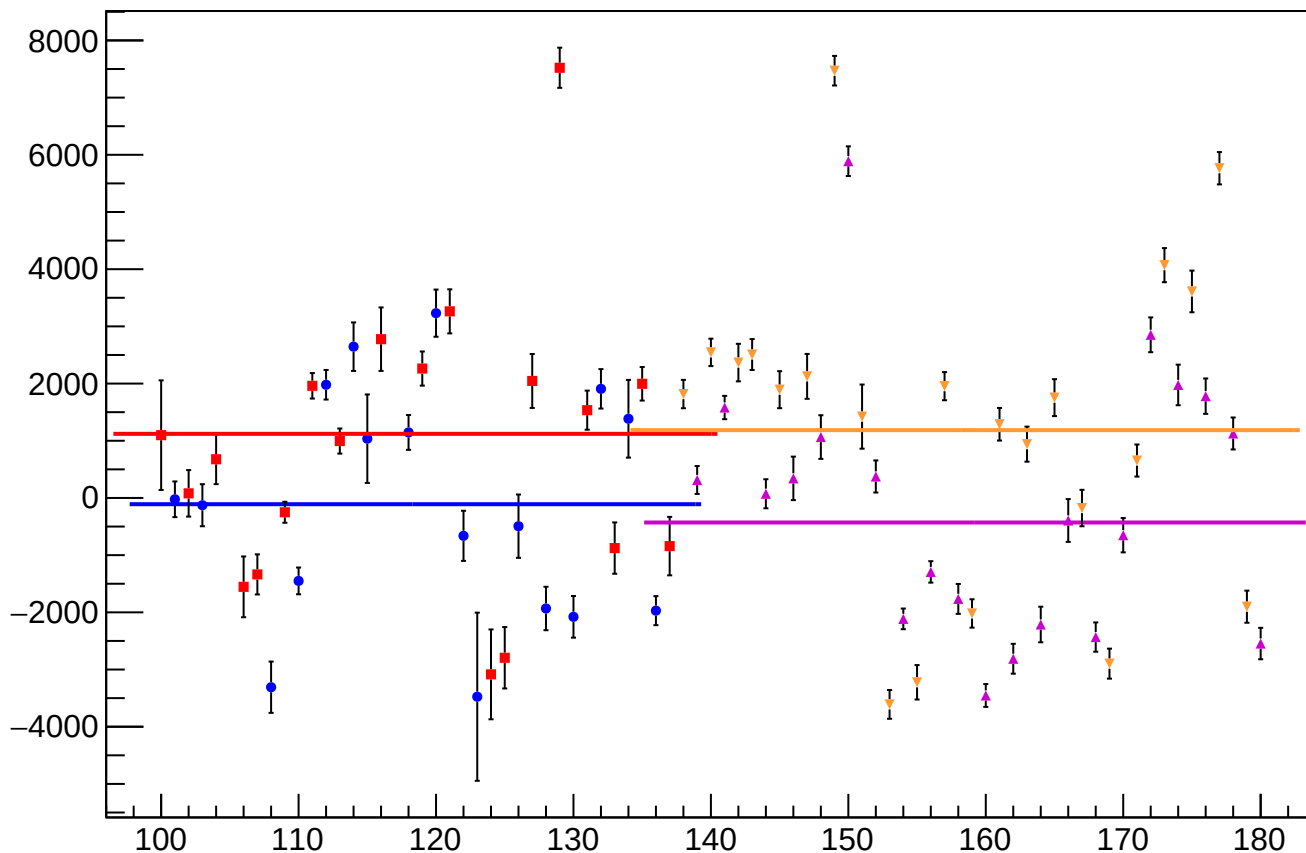
Left In: 351.242+/-0.062 χ^2/NDF :338122.9/20

+ sign 1.587+/-0.001 χ^2/NDF : 43682320.9/38

All: 1.578+/-0.001 χ^2/NDF : 86713048.1/78

- sign 1.571+/-0.001 χ^2/NDF : 43030635.2/39

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 1185.820 ± 61.538 $\chi^2/\text{NDF}: 2221.0/21$

Right Out: 1121.203 ± 78.396 $\chi^2/\text{NDF}: 670.1/18$

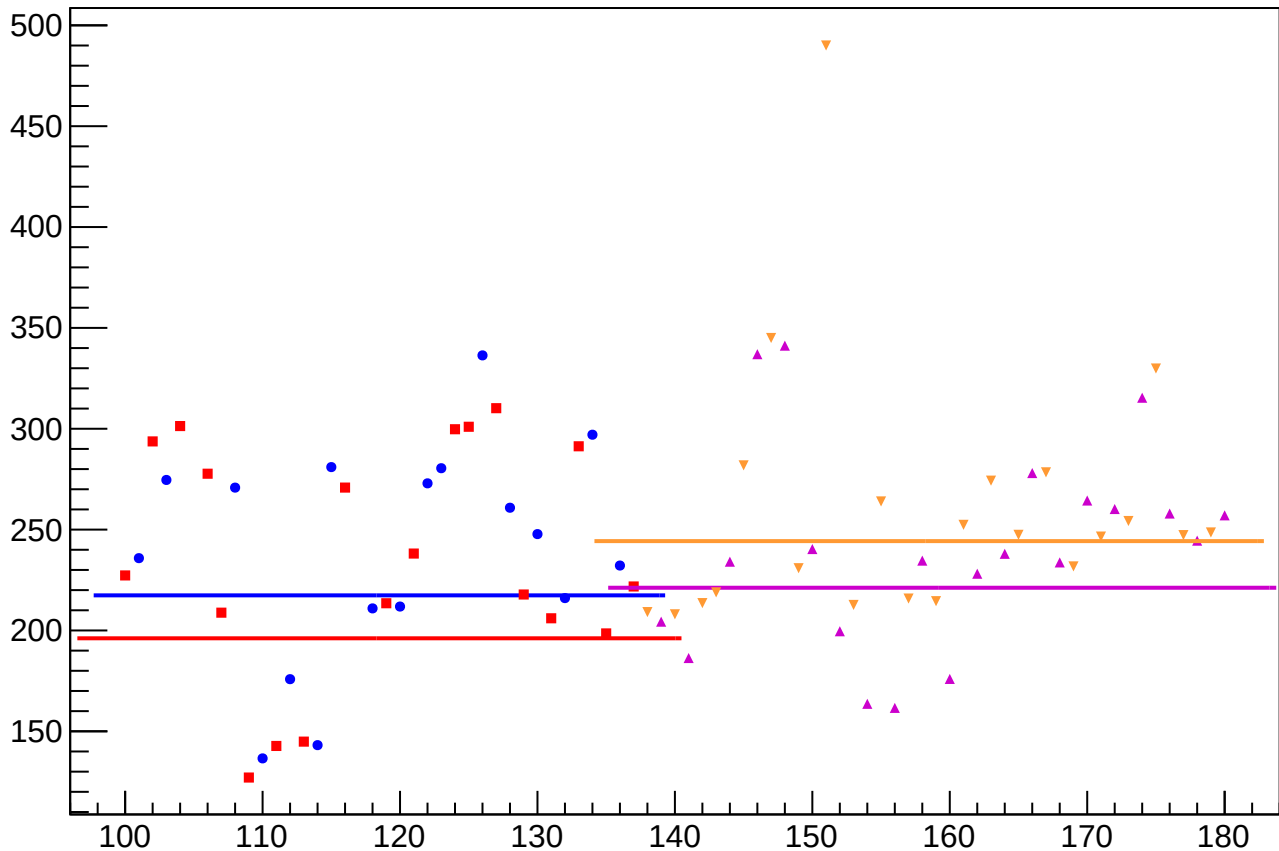
Left In: -429.150 ± 56.755 $\chi^2/\text{NDF}: 1577.3/20$

+ sign 760.253 ± 50.424 $\chi^2/\text{NDF}: 2794.8/38$

All: 401.875 ± 33.972 $\chi^2/\text{NDF}: 5391.3/78$

- sign 103.979 ± 45.972 $\chi^2/\text{NDF}: 2504.0/39$

asym_bcm0l02_rms vs Slug



Right In: 217.403 ± 0.062 χ^2/NDF : 652632.9/16

Left Out: 244.292 ± 0.044 χ^2/NDF : 926807.3/21

Right Out: 196.112 ± 0.055 χ^2/NDF : 1190862.3/18

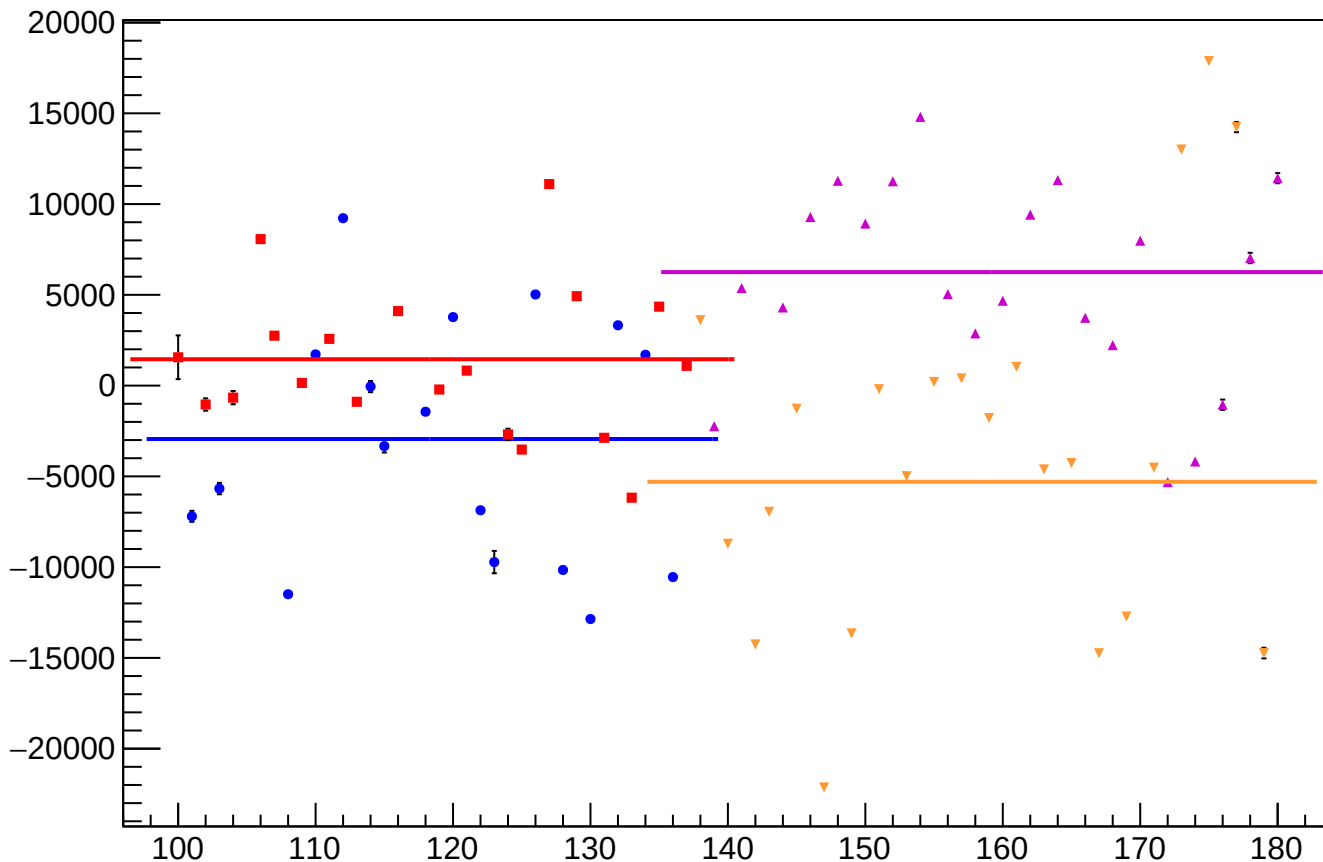
Left In: 221.175 ± 0.040 χ^2/NDF : 1342456.1/20

+ sign 235.456 ± 0.036 χ^2/NDF : 1704925.1/38

All: 222.951 ± 0.024 χ^2/NDF : 4597619.2/78

- sign 212.557 ± 0.033 χ^2/NDF : 2667441.3/39

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -5299.220+/-36.701 χ^2/NDF : 58586.4/21

Right Out: 1453.116+/-46.404 χ^2/NDF : 7996.0/18

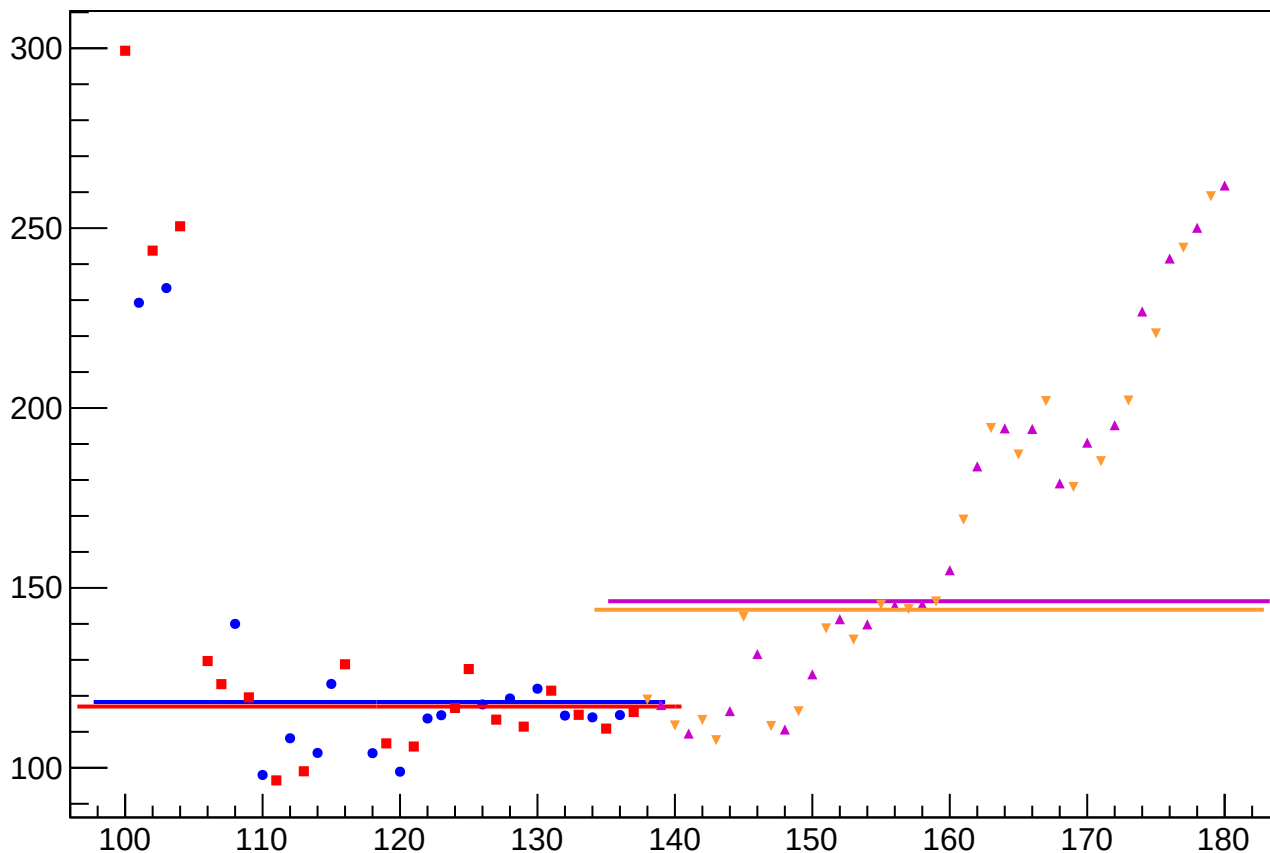
Left In: 6252.612+/-37.604 χ^2/NDF : 17442.0/20

+ sign -4443.839+/-29.291 χ^2/NDF : 80992.5/38

All: -35.505+/-20.685 χ^2/NDF : 158073.7/78

- sign 4350.165+/-29.215 χ^2/NDF : 31895.2/39

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 143.935+/-0.026 χ^2/NDF :1978287.0/21

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

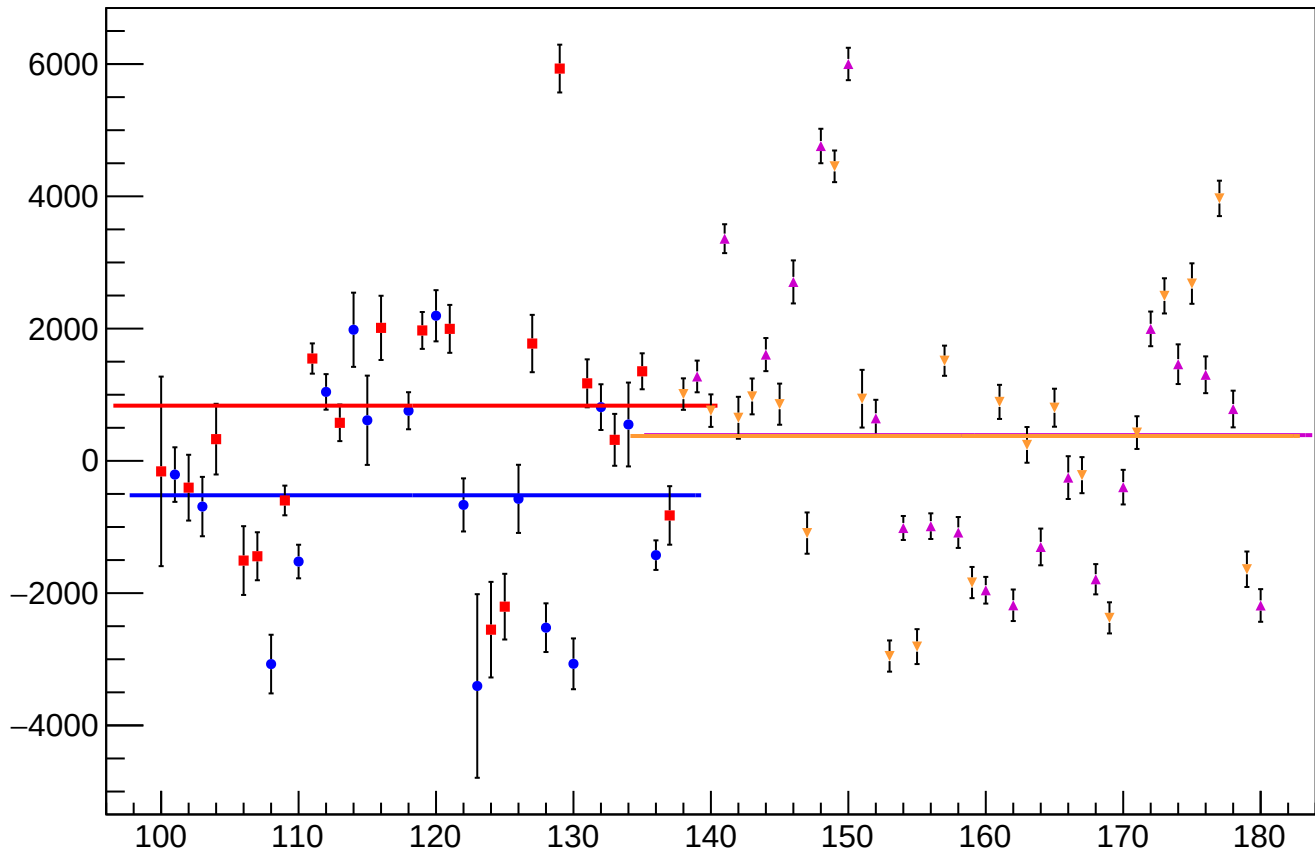
Left In: 146.308+/-0.027 χ^2/NDF :2086871.8/20

+ sign 134.623+/-0.021 χ^2/NDF : 2969849.4/38

All: 134.663+/-0.015 χ^2/NDF : 6228137.7/78

- sign 134.703+/-0.021 χ^2/NDF : 3258280.7/39

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 376.111 ± 56.618 χ^2/NDF : 1293.6/21

Right Out: 834.834 ± 82.273 χ^2/NDF : 434.7/18

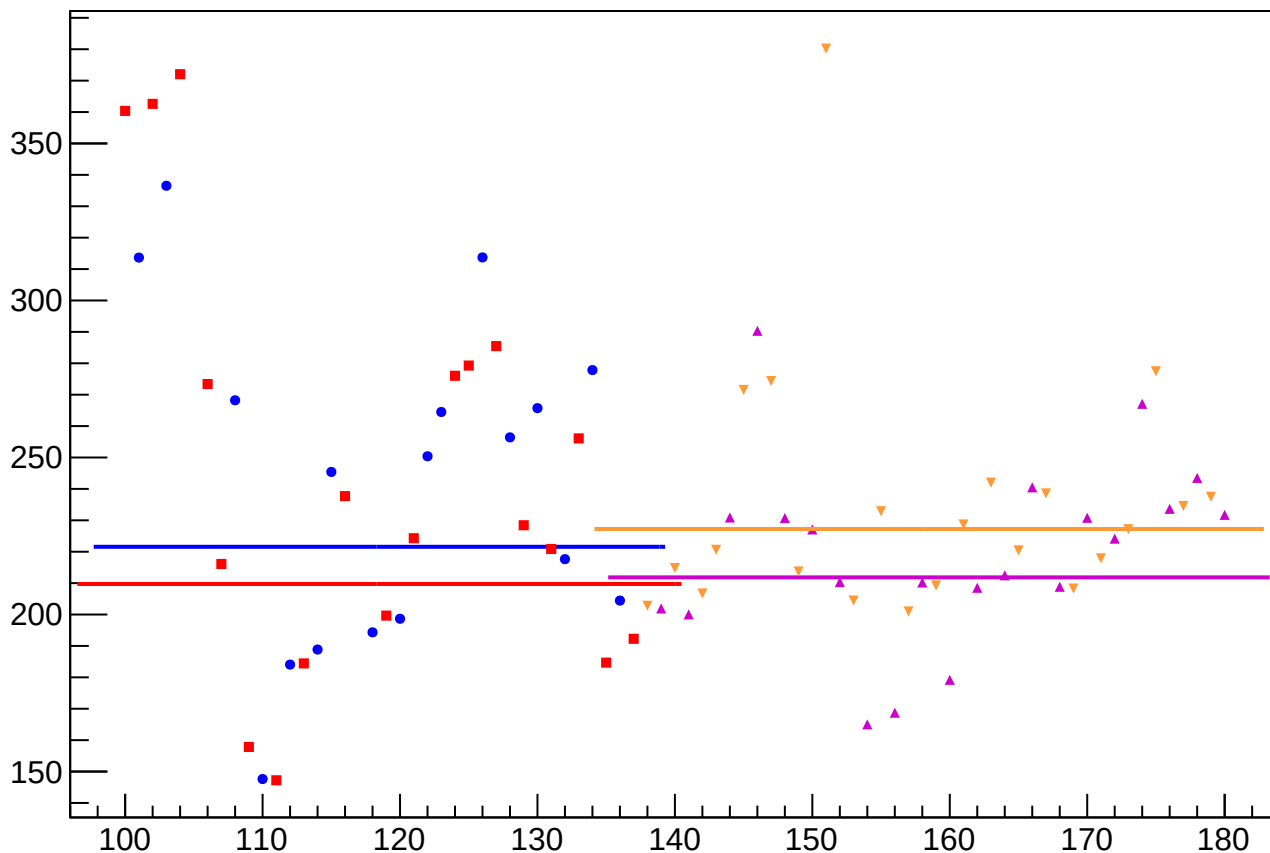
Left In: 389.034 ± 53.485 χ^2/NDF : 1794.2/20

+ sign 118.853 ± 47.808 χ^2/NDF : 1653.6/38

All: 333.036 ± 32.707 χ^2/NDF : 3940.9/78

- sign 521.467 ± 44.842 χ^2/NDF : 2249.6/39

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 227.238 $\pm$ 0.040 χ^2 /NDF: 516508.2/21

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

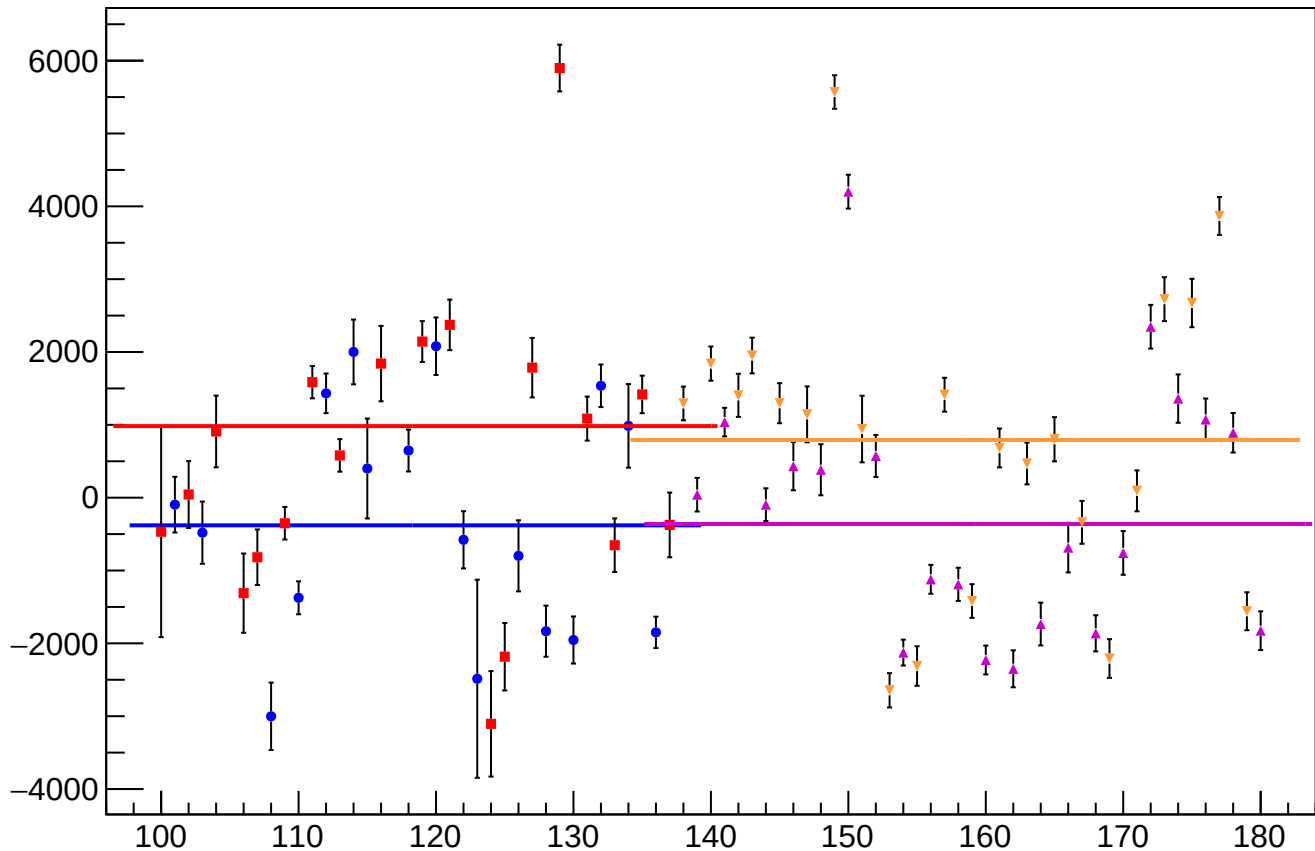
Left In: 211.830 $\pm$ 0.038 χ^2 /NDF: 590426.0/20

+ sign 225.612 $\pm$ 0.034 χ^2 /NDF: 1167203.5/38

All: 217.949 $\pm$ 0.023 χ^2 /NDF: 2739041.4/78

- sign 211.208 $\pm$ 0.032 χ^2 /NDF: 1475258.5/39

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 793.050 ± 57.514 χ^2/NDF : 1371.4/21

Right Out: 982.539 ± 77.724 χ^2/NDF : 476.3/18

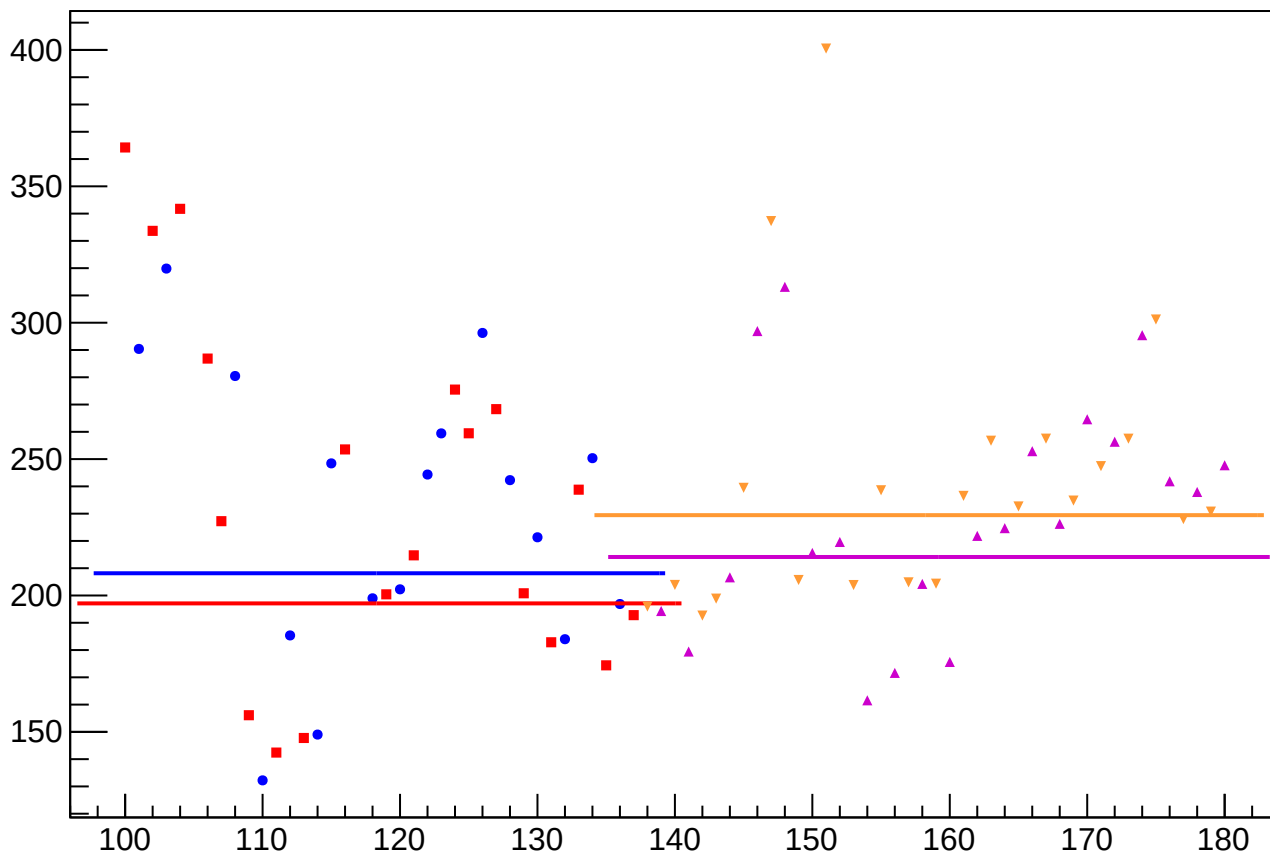
Left In: -361.010 ± 54.453 χ^2/NDF : 983.3/20

+ sign 420.325 ± 47.503 χ^2/NDF : 1820.7/38

All: 240.144 ± 32.514 χ^2/NDF : 3507.8/78

- sign 81.330 ± 44.597 χ^2/NDF : 1660.0/39

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 229.450+/-0.041 χ^2/NDF : 819376.9/21

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

Left In: 214.116+/-0.039 χ^2/NDF : 1028107.6/20

+ sign 222.681+/-0.034 χ^2/NDF : 1605642.5/38

All: 215.151+/-0.023 χ^2/NDF : 3719034.9/78

- sign 208.514+/-0.032 χ^2/NDF : 2018851.5/39

bcm_an_us_ds_dd_mean vs Slug



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

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

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

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

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

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

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

bcm_an_us_ds_dd_rms vs Slug



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

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

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

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

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

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

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

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

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

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

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

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

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

bcm_dg_us_dg_ds_dd_rms vs Slug



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

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

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

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

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

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

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

bcm_dg_us_ds_dd_mean vs Slug



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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



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

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

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

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

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

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

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

bcm_dg_ds_ds_dd_mean vs Slug



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

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

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

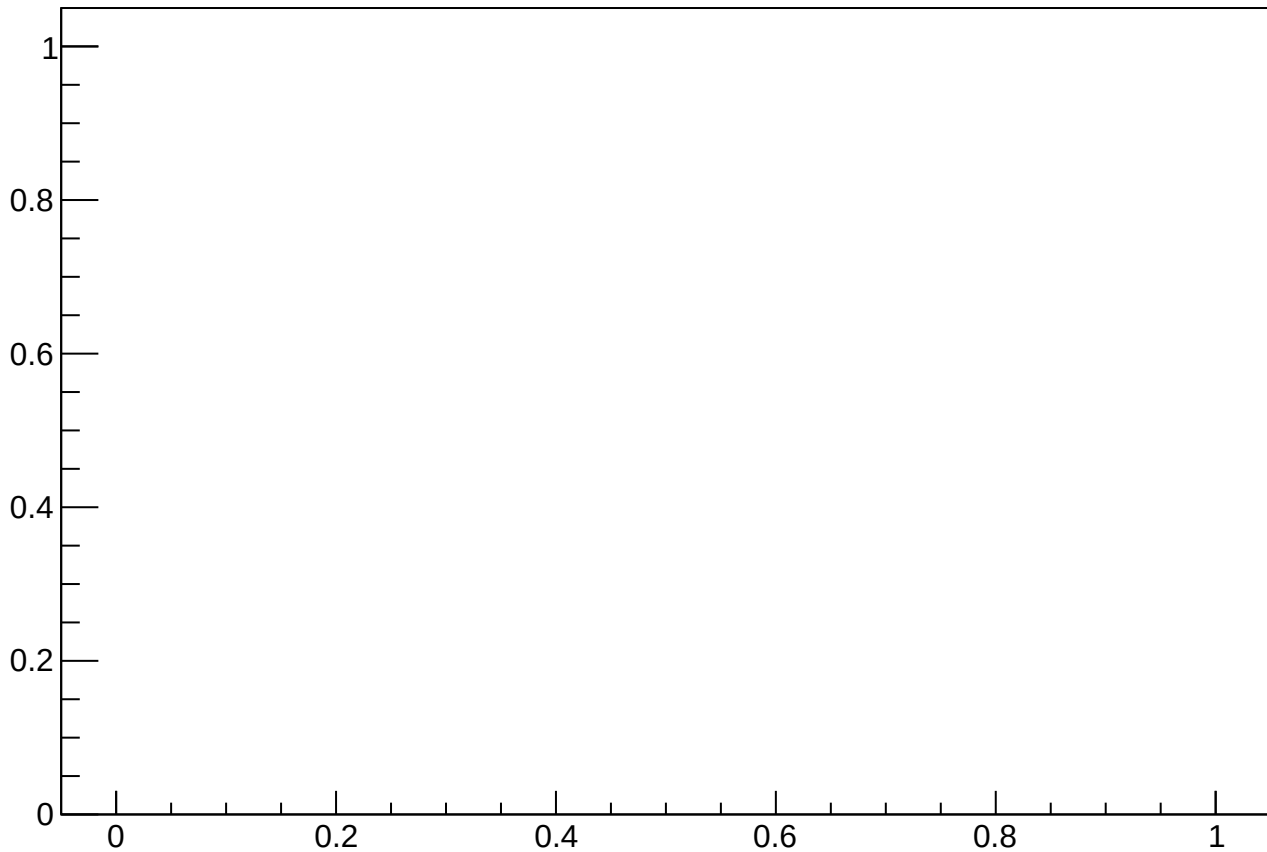
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_ds_ds_dd_rms vs Slug



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

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

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

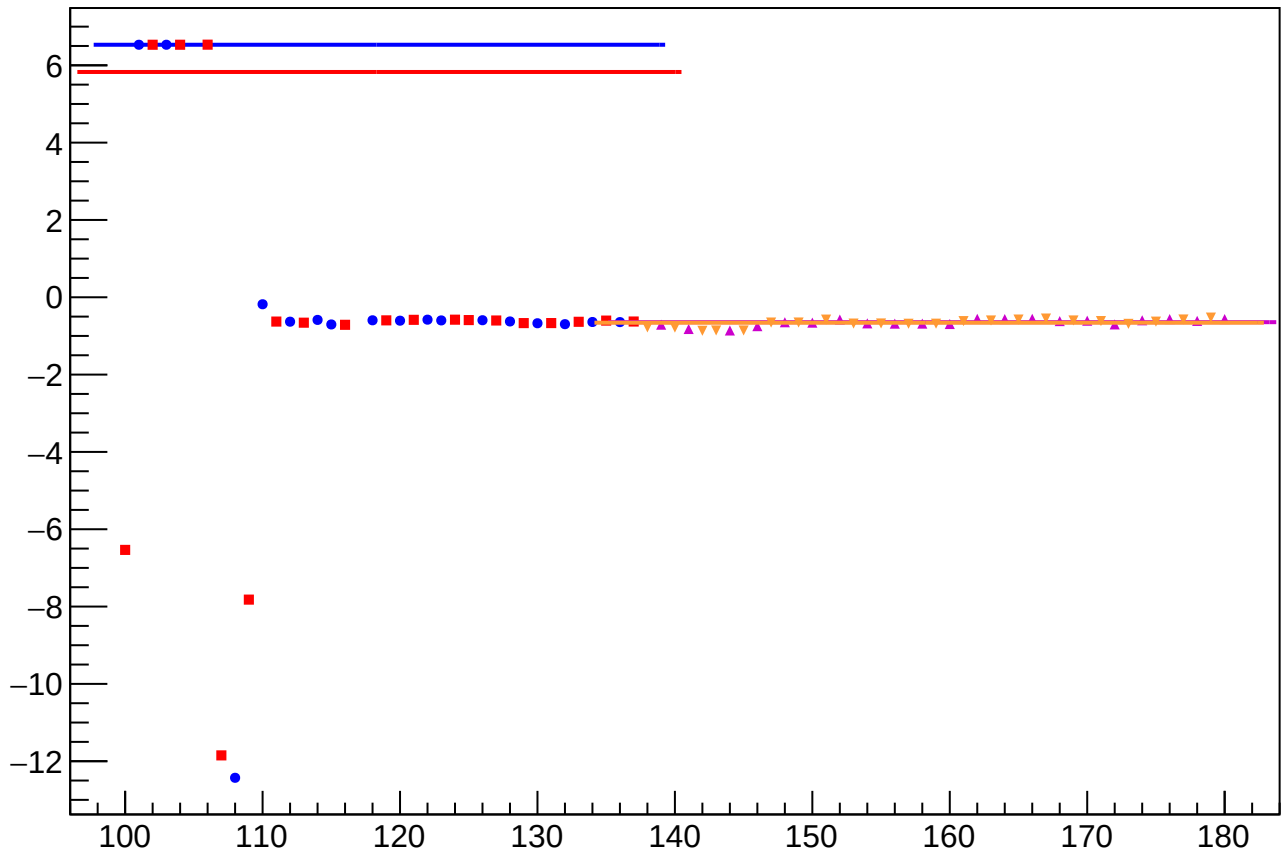
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127219747629.7/16

Left Out: -0.658 $\pm$ 0.000 χ^2 /NDF: 164229892.8/21

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755963218053643.4/18

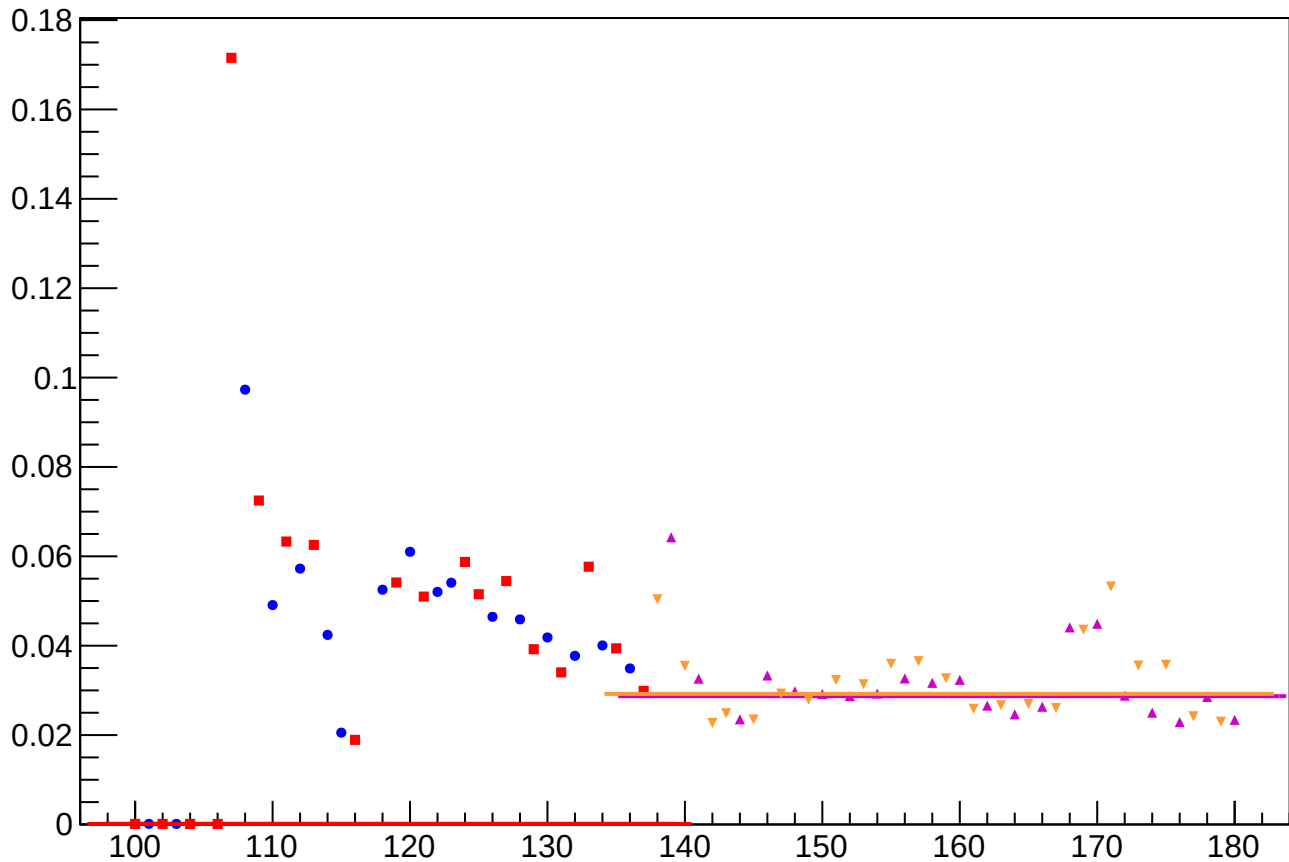
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 123313365.3/20

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 913737668027.0/38

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77752176936916

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756616436073683.9/18

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.029+/-0.000 χ^2/NDF :1244889.6/21

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

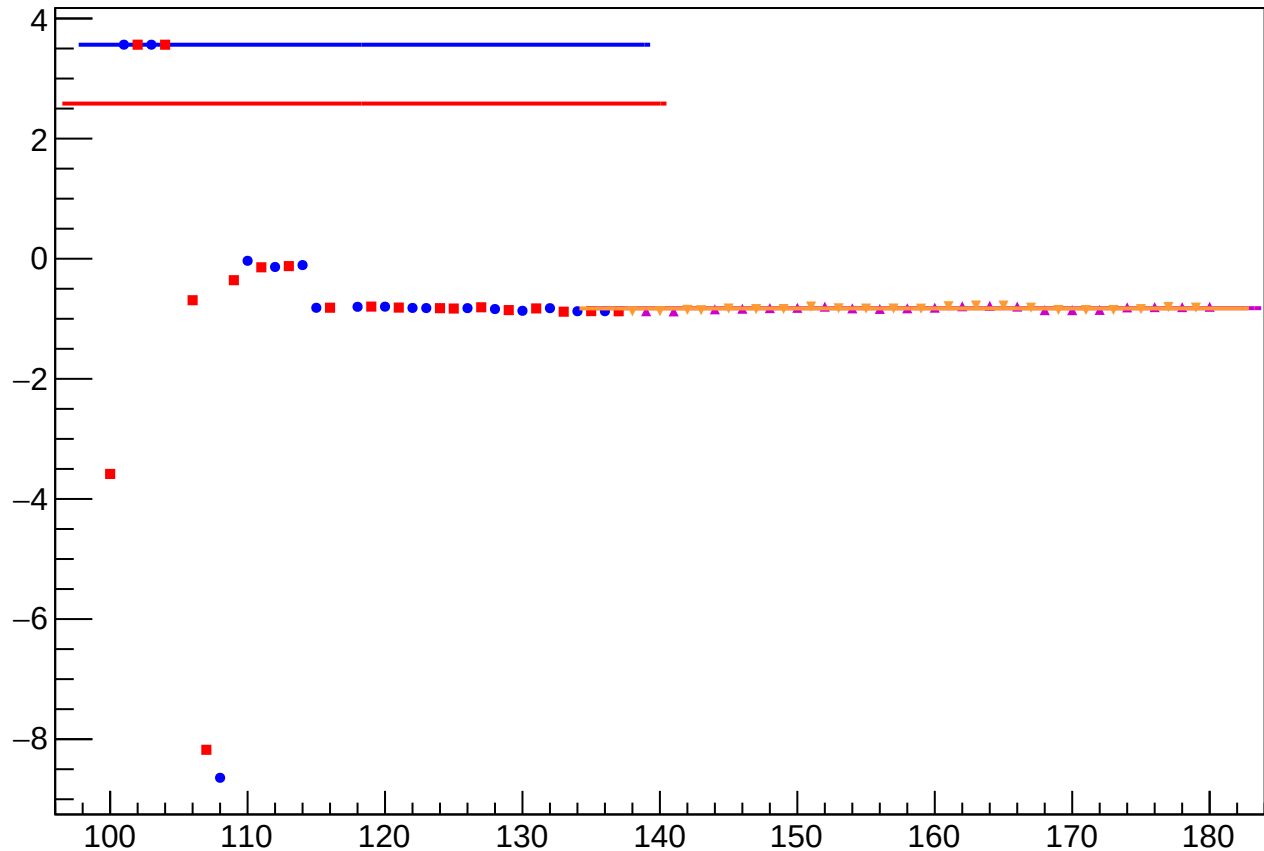
Left In: 0.029+/-0.000 χ^2/NDF :1142683.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 35884205.3/38

All: 0.000+/-0.000 χ^2/NDF : 71845892.7/78

- sign 0.000+/-0.000 χ^2/NDF : 35961189.9/39

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 481634392464.0/16

Left Out: -0.828 $\pm$ 0.000 χ^2 /NDF: 157980912.1/21

Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253502070019187.0/18

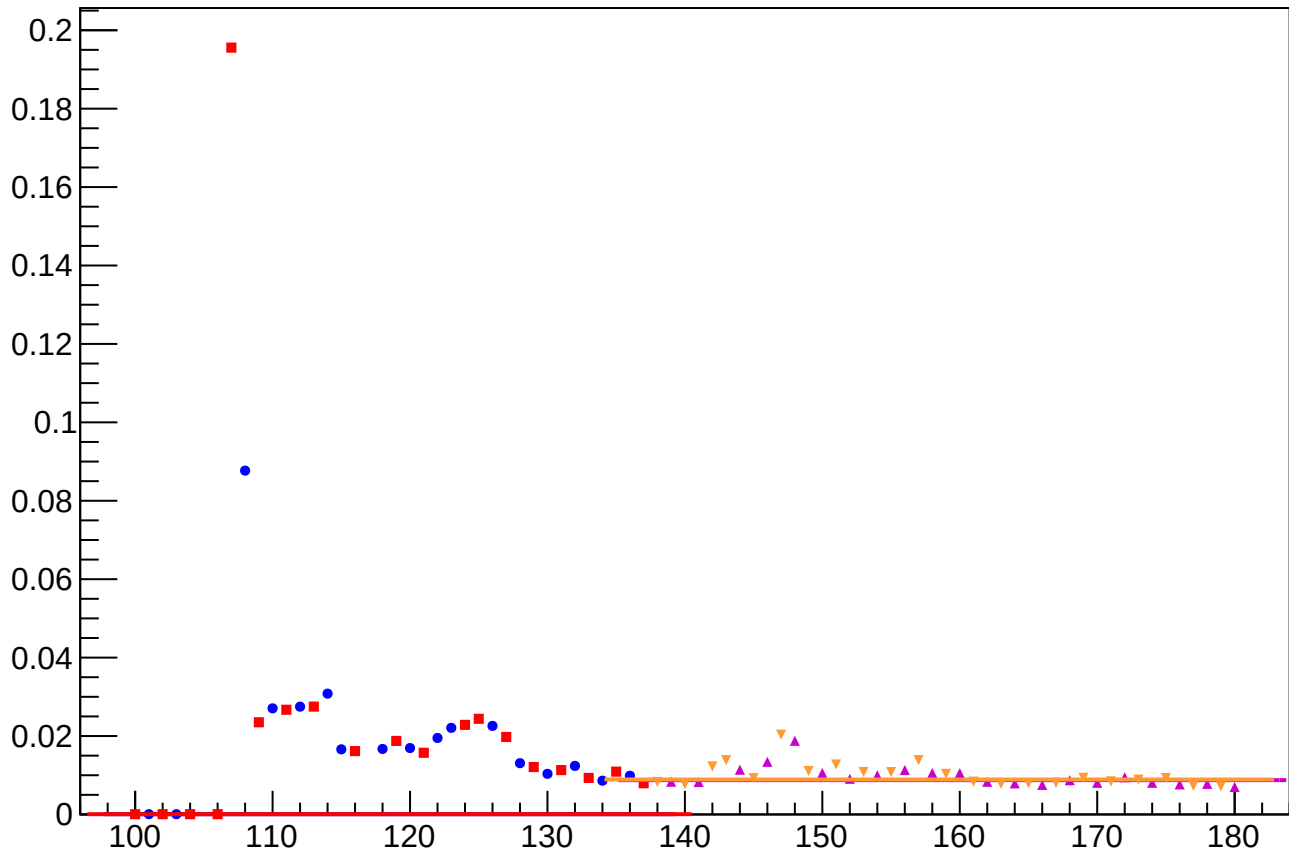
Left In: -0.824 $\pm$ 0.000 χ^2 /NDF: 148371179.8/20

+ sign 3.560 $\pm$ 0.000 χ^2 /NDF: 3811474434573.6/38

All: 3.038 $\pm$ 0.000 χ^2 /NDF: 13875001836900

- sign 2.581 $\pm$ 0.000 χ^2 /NDF: 1255571392083664.8

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :1275459.7/21

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

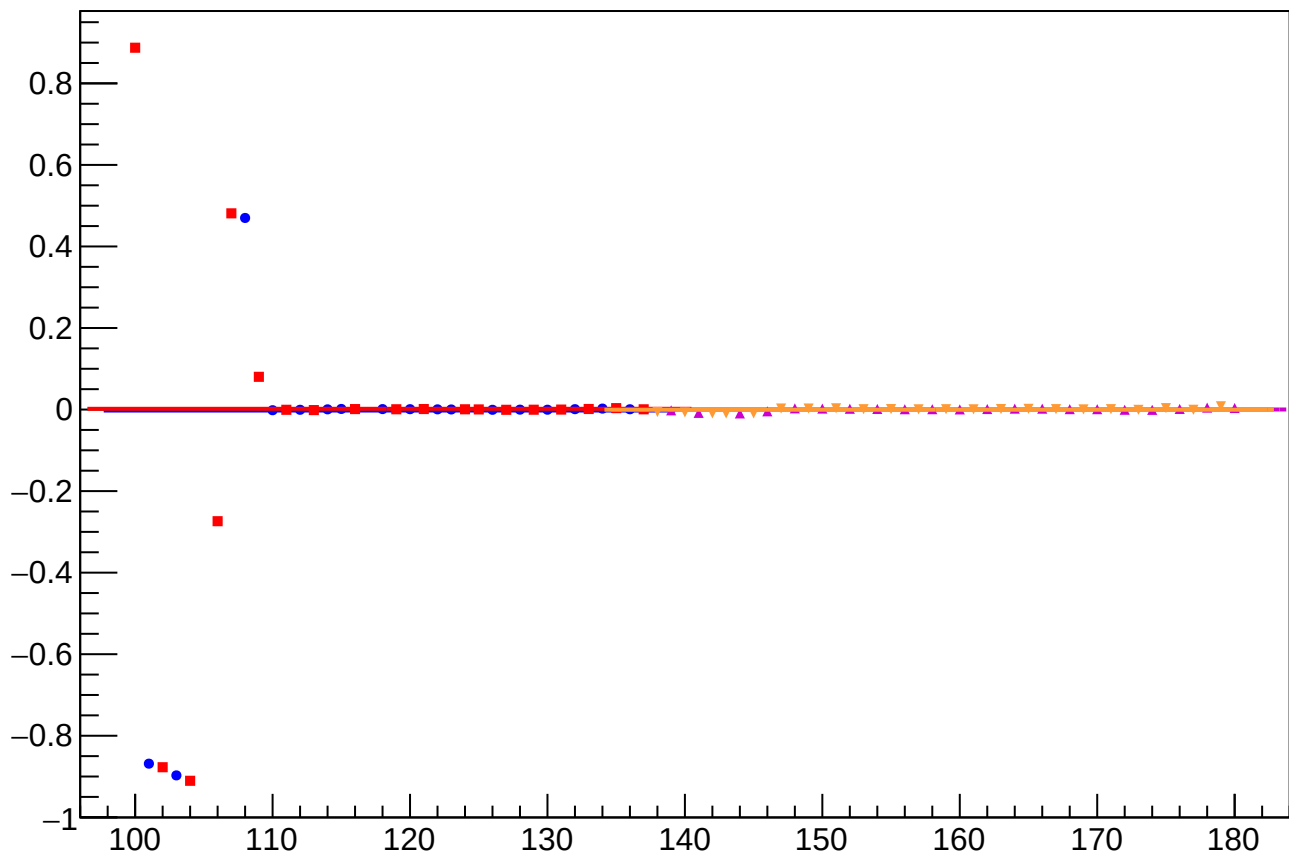
Left In: 0.009+/-0.000 χ^2/NDF :1019120.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 38040927.4/38

All: 0.000+/-0.000 χ^2/NDF : 75818875.8/78

- sign 0.000+/-0.000 χ^2/NDF : 37777163.8/39

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.000 ± 0.000 χ^2/NDF : 131645298.2/21

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041319824.4/18

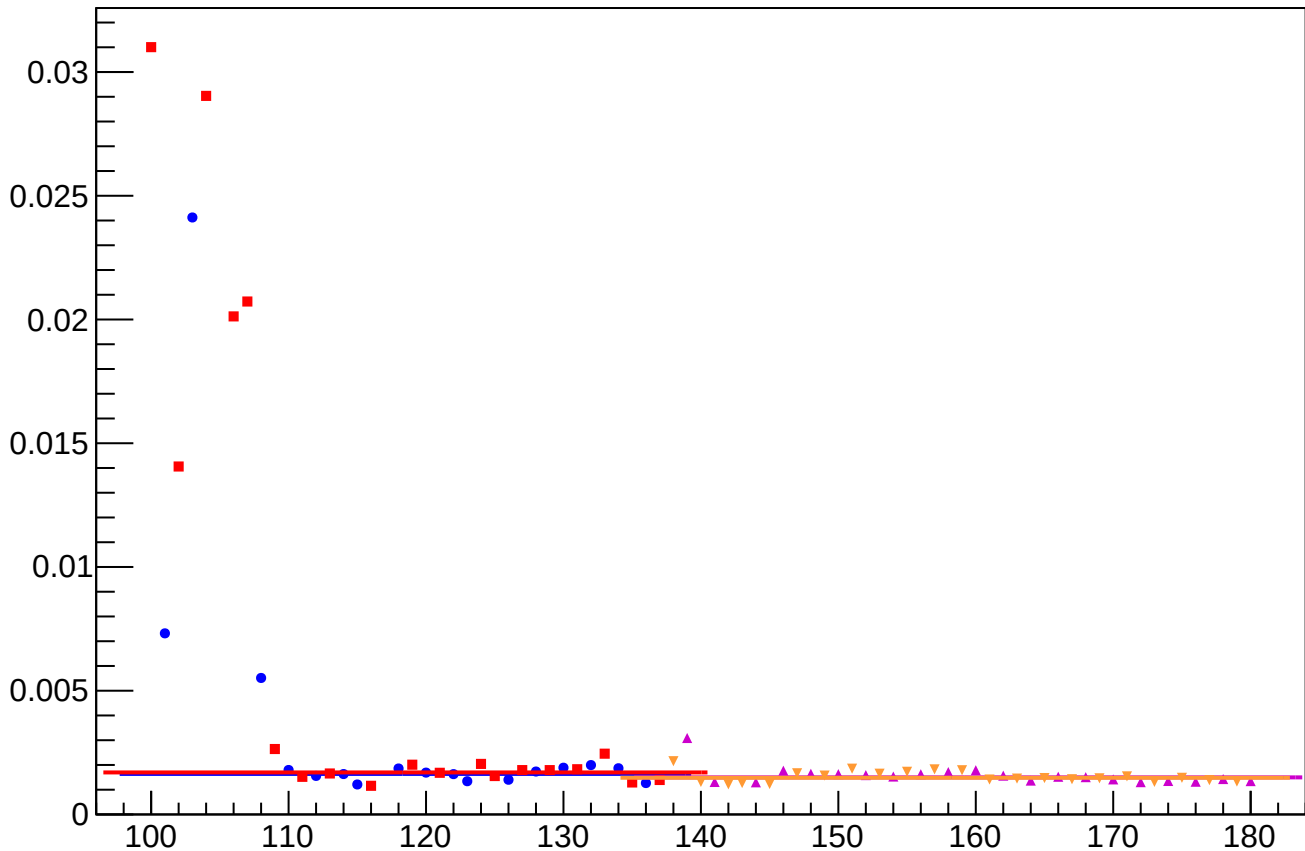
Left In: 0.000 ± 0.000 χ^2/NDF : 83190918.2/20

+ sign -0.001 ± 0.000 χ^2/NDF : 9931360878.0/38

All: -0.000 ± 0.000 χ^2/NDF : 13066249592.3/79

- sign 0.001 ± 0.000 χ^2/NDF : 3128080353.2/39

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:483399.8/21

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

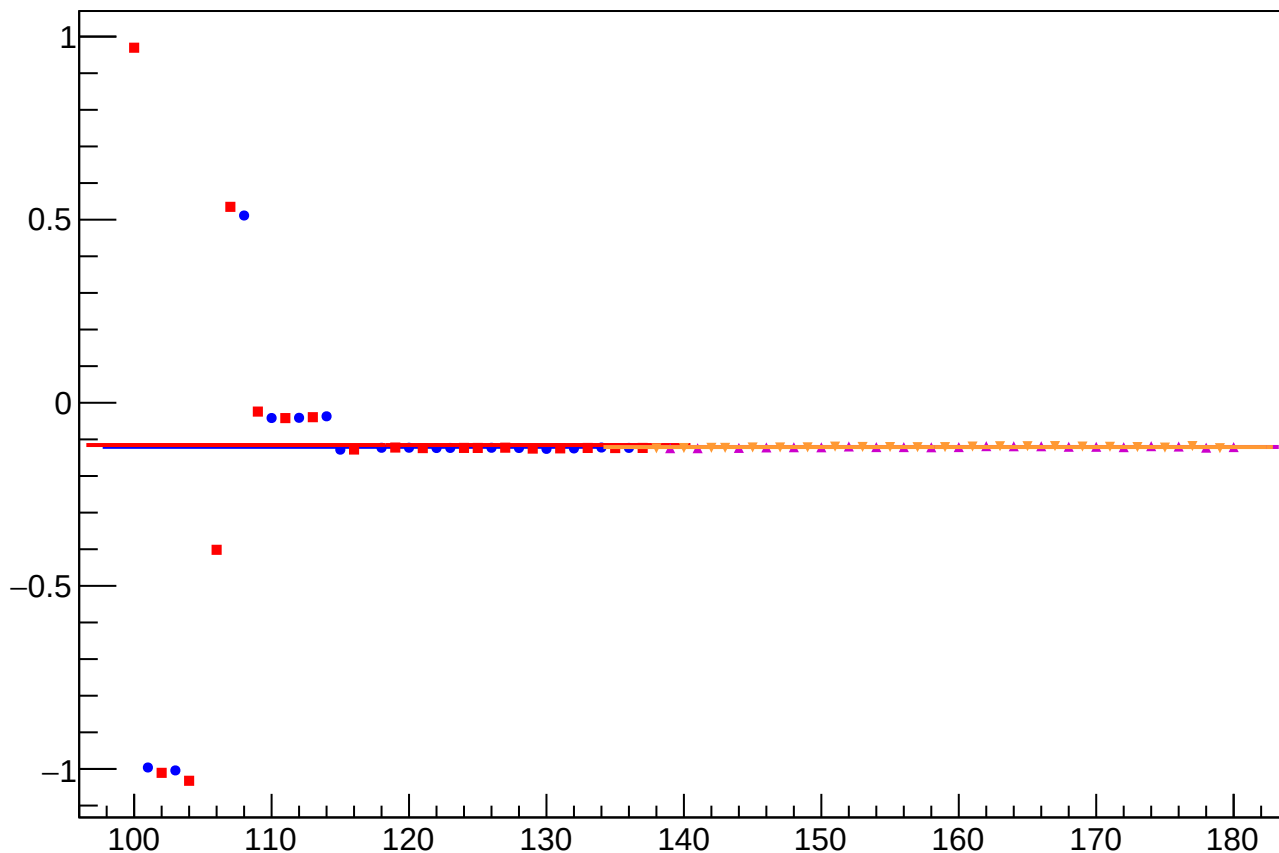
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:653942.3/20

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2462424.4/38

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6241912.1/78

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3775491.7/39

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.121+/-0.000 χ^2/NDF : 54513609.5/21

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

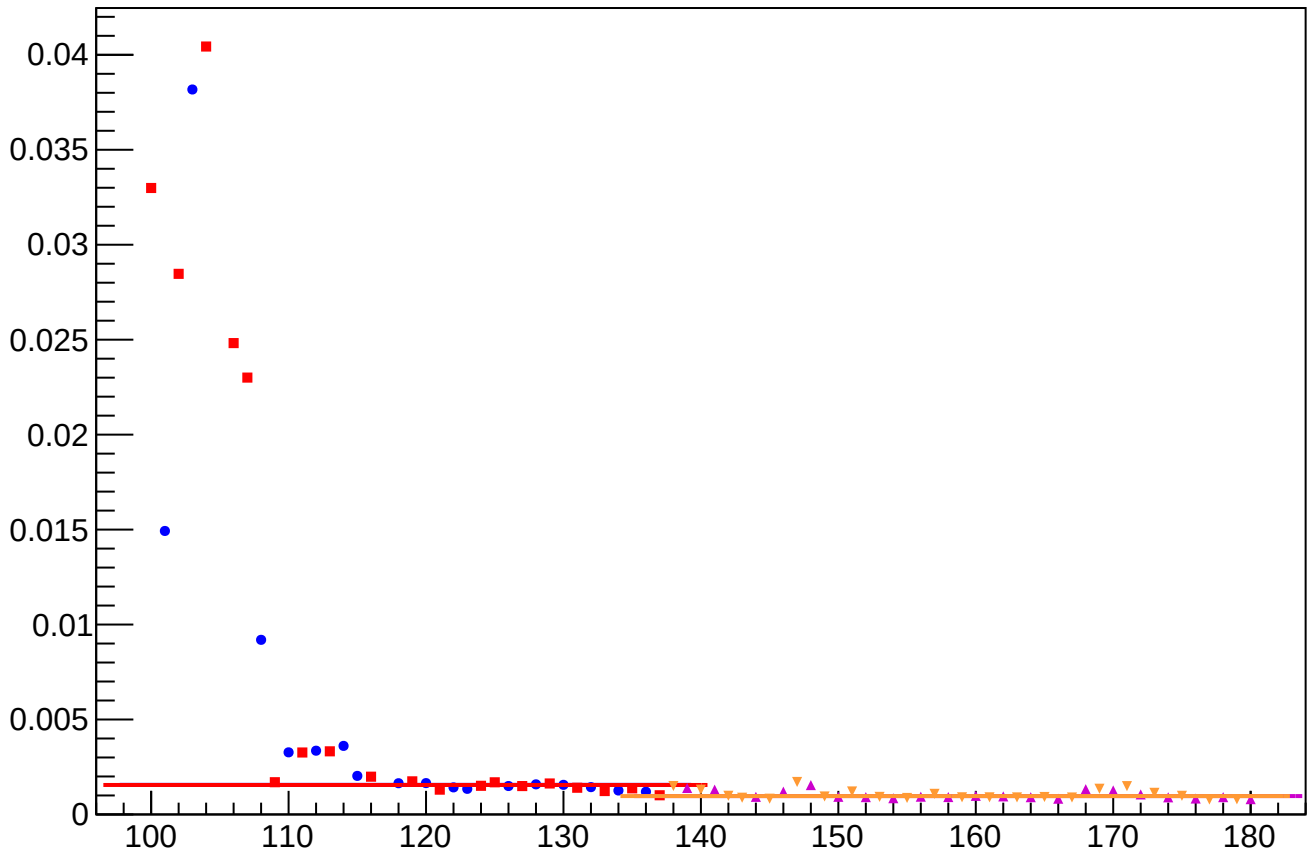
Left In: -0.121+/-0.000 χ^2/NDF : 38215697.1/20

+ sign -0.121+/-0.000 χ^2/NDF : 3987338964.8/38

All: -0.121+/-0.000 χ^2/NDF : 6534948044.4/7

- sign -0.120+/-0.000 χ^2/NDF : 2543087234.1/39

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1213844.2/21

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

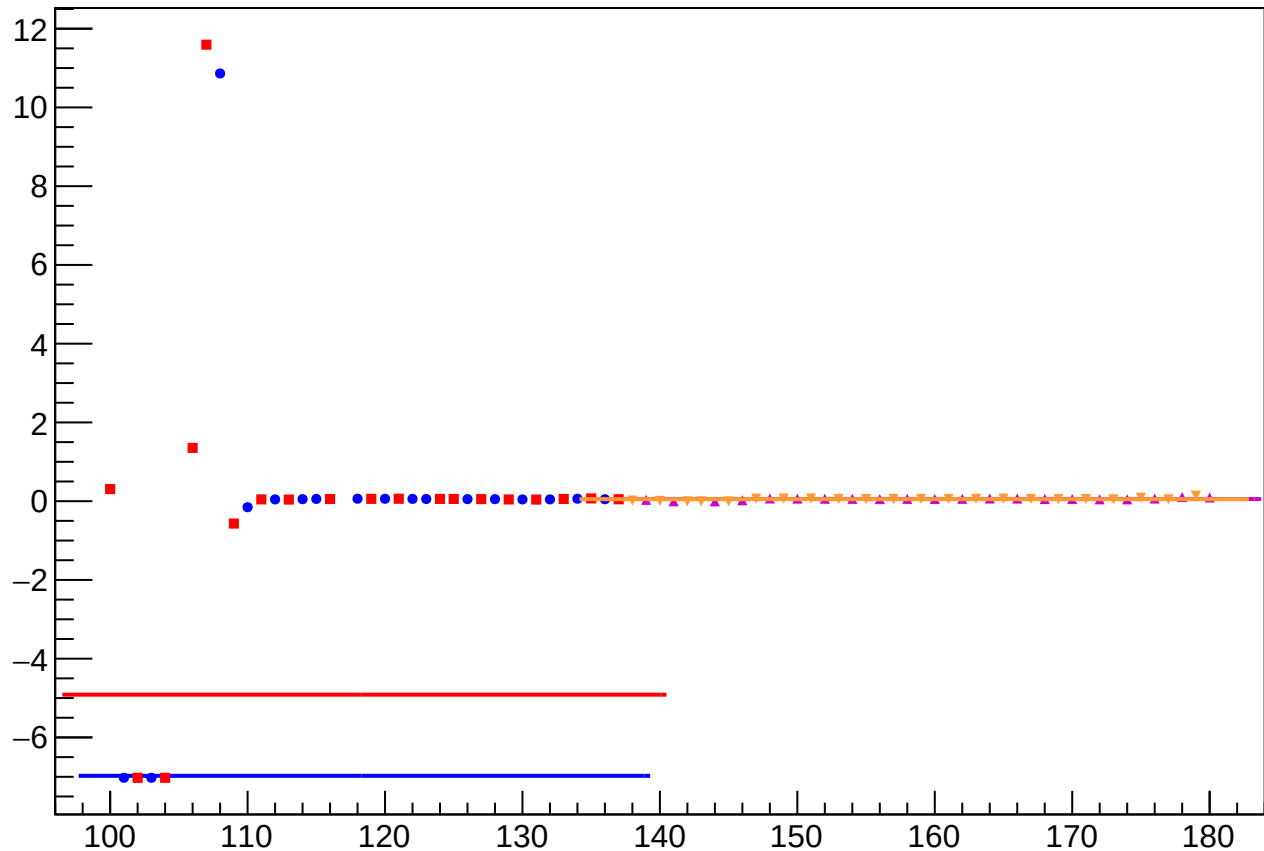
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:885554.1/20

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5284983.8/38

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10867406.5/78

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5582420.0/39

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8749579700722.8/16

Left Out: 0.051+/-0.000 χ^2 /NDF:199623671.6/21

Right Out: -4.914+/-0.000 χ^2 /NDF: 365358092730279.9/18

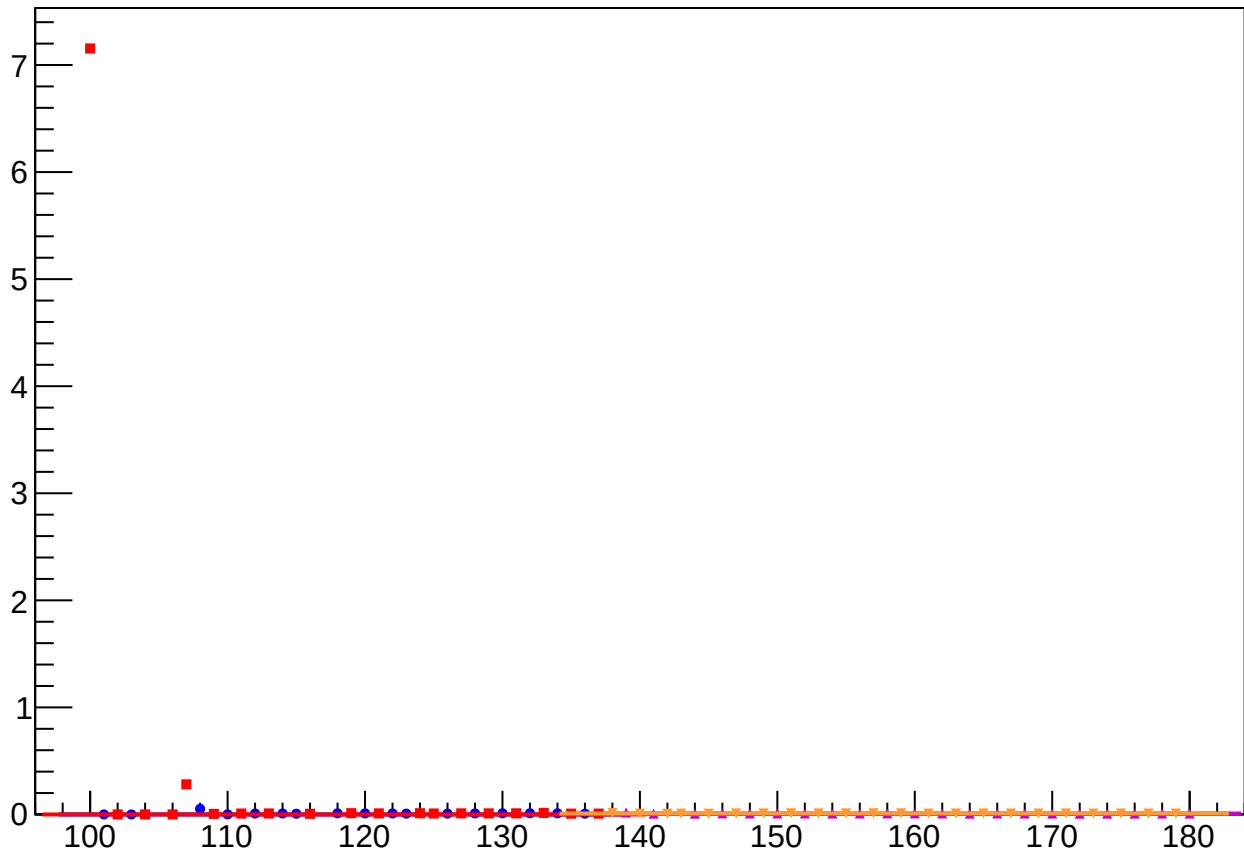
Left In: 0.054+/-0.000 χ^2 /NDF:124894201.1/20

+ sign -6.927+/-0.000 χ^2 /NDF: 17293005099283.2/16

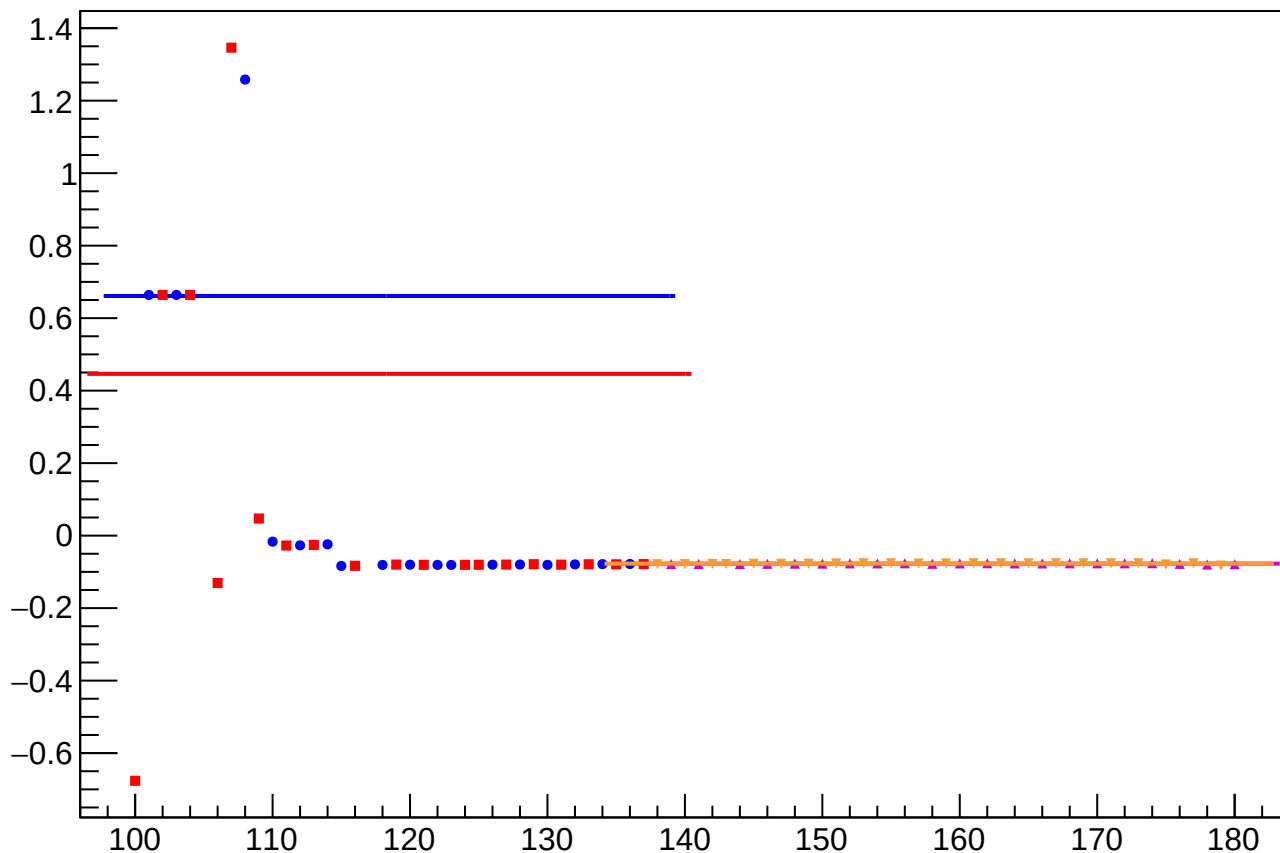
All: -5.862+/-0.000 χ^2 /NDF: 4423561278289.9/16

- sign -4.884+/-0.000 χ^2 /NDF: 369479401161921.1/16

yield_cav4dX_rms vs Slug



yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.077+/-0.000 χ^2/NDF : 131864132.3/21

Right Out: 0.446+/-0.000 χ^2/NDF : 405416924315199.0/18

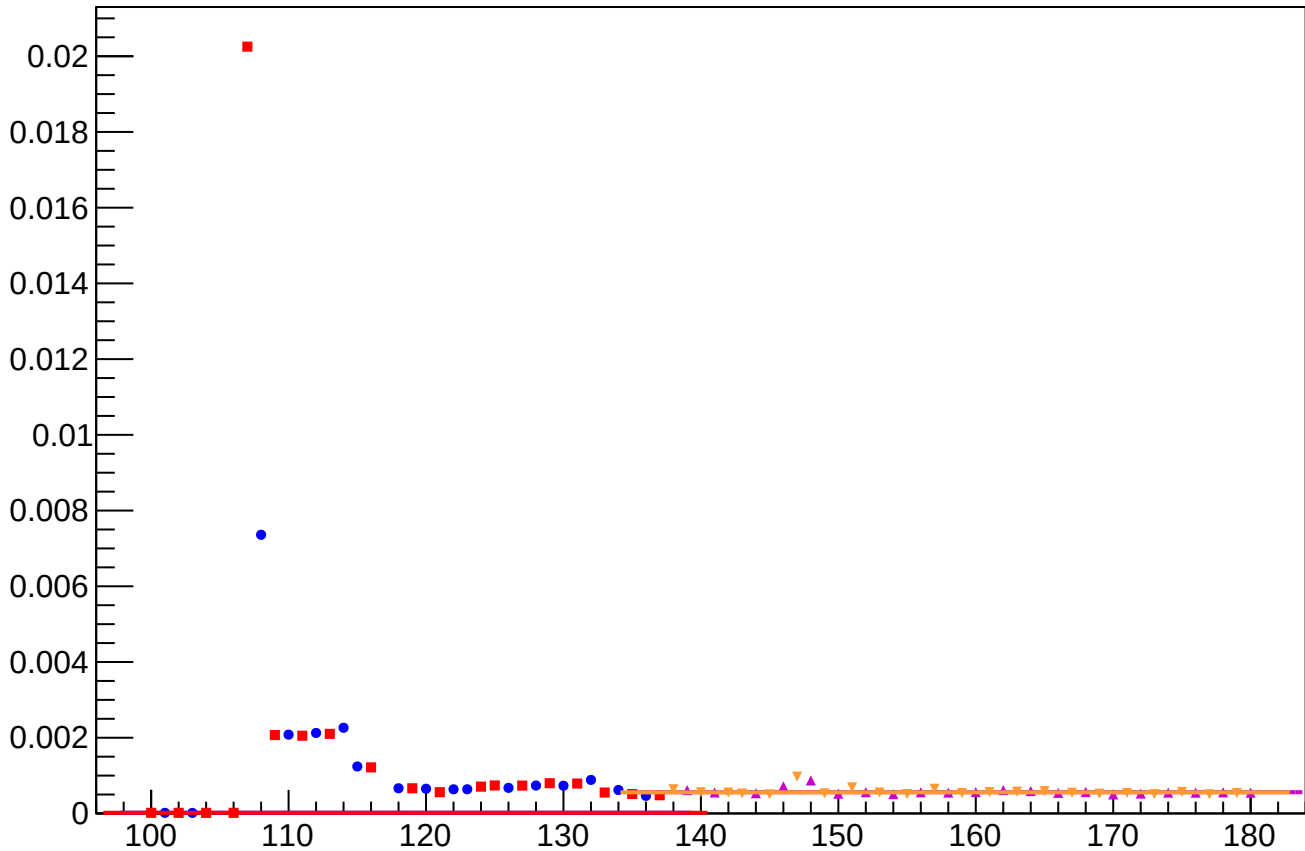
Left In: -0.077+/-0.000 χ^2/NDF : 54723512.0/20

+ sign 0.647+/-0.000 χ^2/NDF : 32844020779997.7/3

All: 0.538+/-0.000 χ^2/NDF : 51275462415818

- sign 0.437+/-0.000 χ^2/NDF : 418855763732437.5/3

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 457317.7/21

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

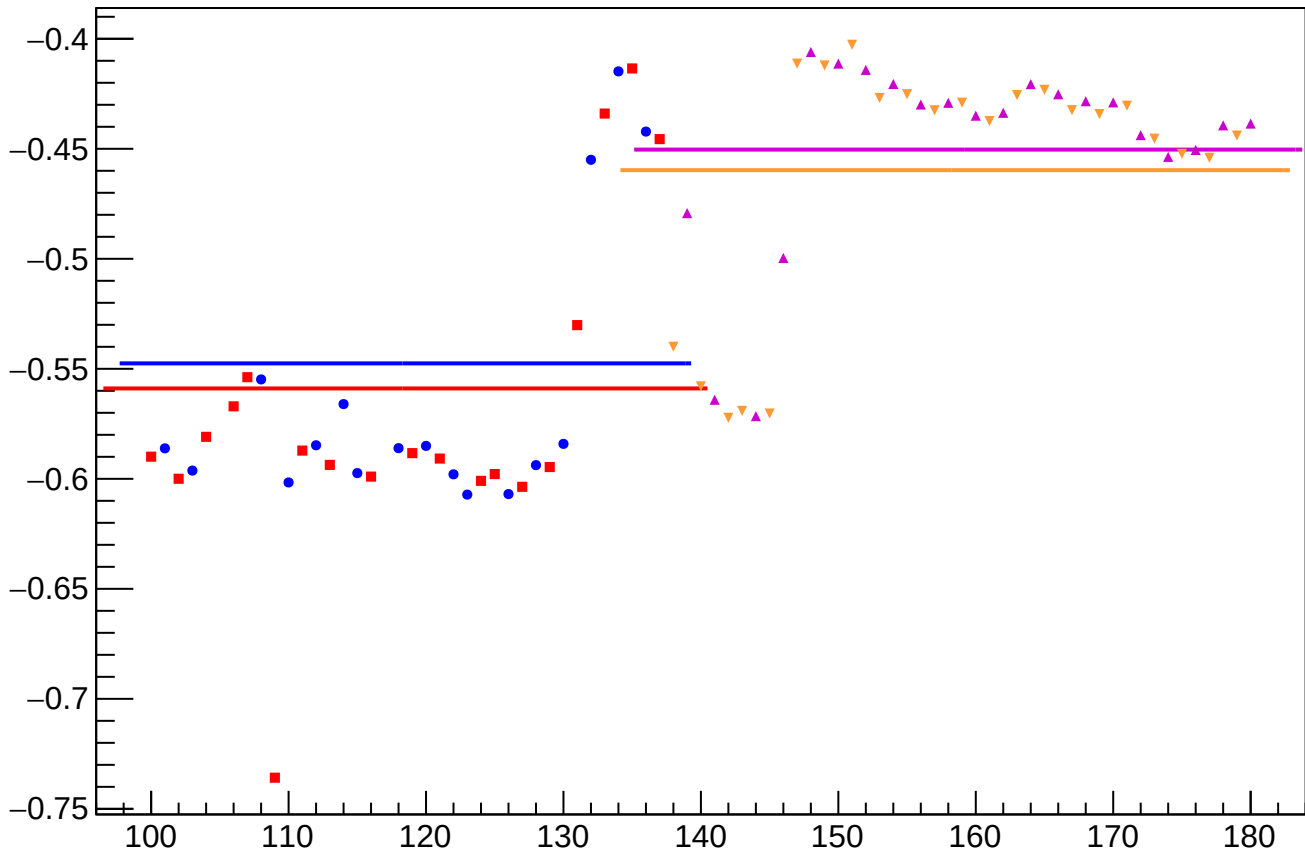
Left In: 0.001+/-0.000 χ^2/NDF : 354295.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 39363838.8/38

All: 0.000+/-0.000 χ^2/NDF : 78112082.5/78

- sign 0.000+/-0.000 χ^2/NDF : 38745173.3/39

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.460+/-0.000 χ^2/NDF : 107377406.4/21

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

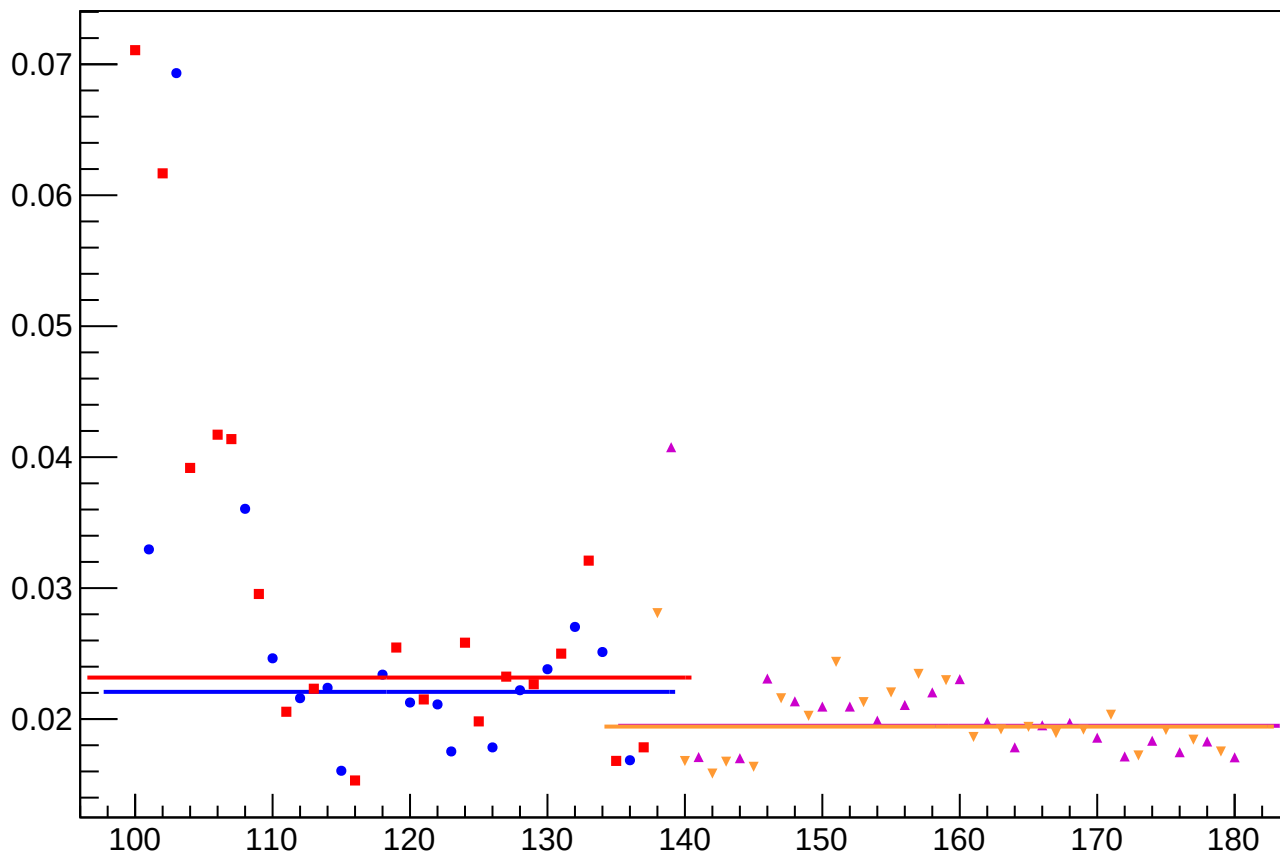
Left In: -0.450+/-0.000 χ^2/NDF : 75934196.4/20

+ sign -0.480+/-0.000 χ^2/NDF : 217688682.4/38

All: -0.477+/-0.000 χ^2/NDF : 450430575.0/78

- sign -0.474+/-0.000 χ^2/NDF : 232149667.5/39

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 447352.0/21

Right Out: 0.023+/-0.000 χ^2/NDF : 1156758.3/18

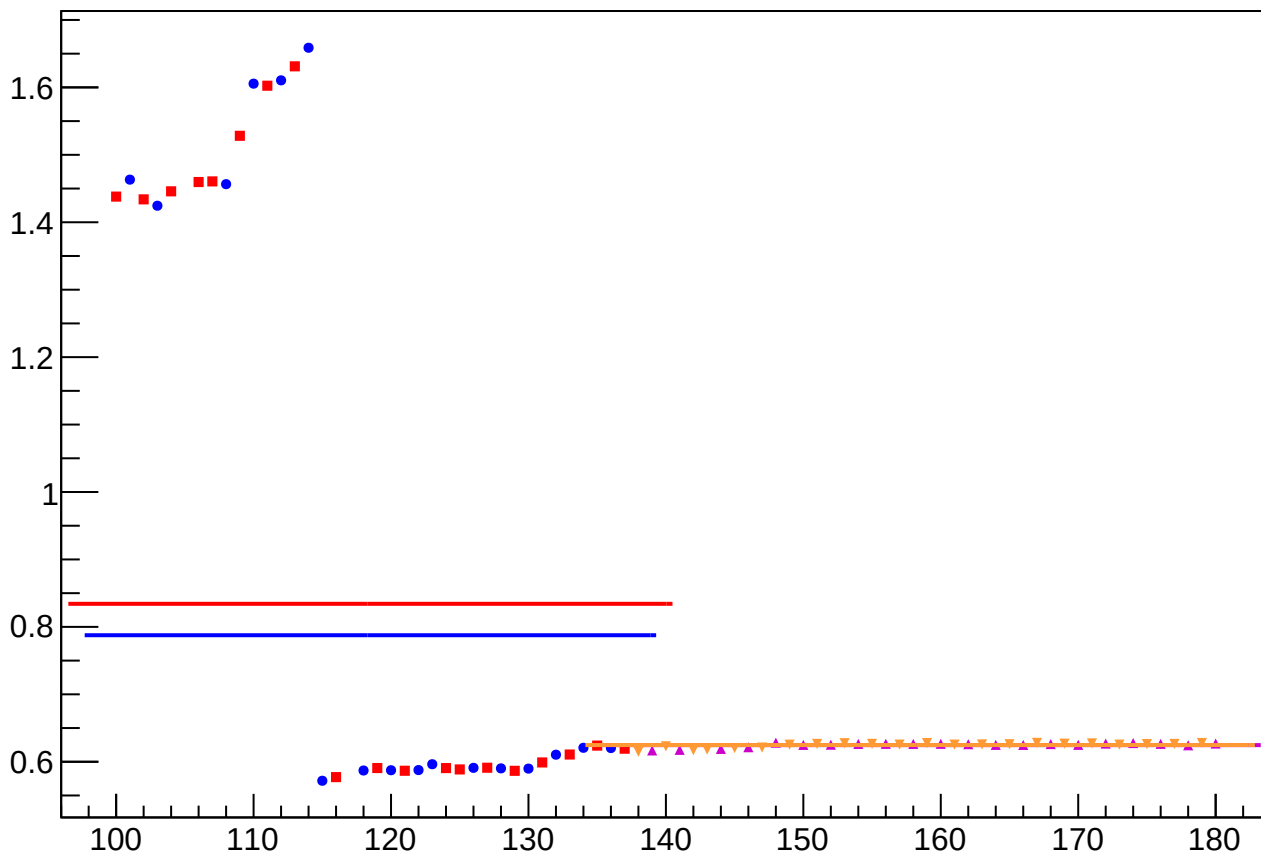
Left In: 0.019+/-0.000 χ^2/NDF : 644295.0/20

+ sign 0.020+/-0.000 χ^2/NDF : 1514750.9/38

All: 0.020+/-0.000 χ^2/NDF : 3528496.6/78

- sign 0.020+/-0.000 χ^2/NDF : 2010245.1/39

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1344007.8/21

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

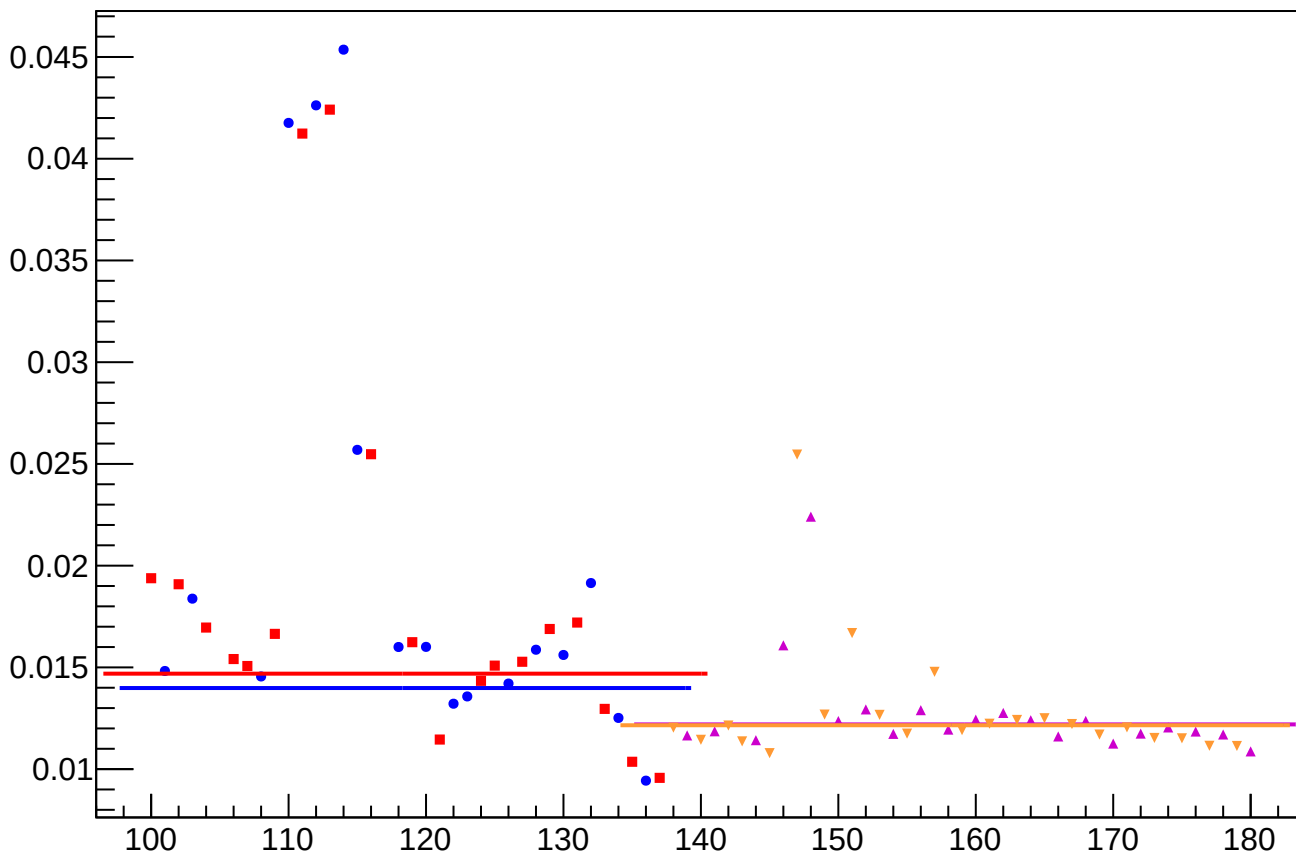
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1094656.1/20

+ sign 0.659 $\pm$ 0.000 χ^2 /NDF: 4183968508.9/38

All: 0.664 $\pm$ 0.000 χ^2 /NDF: 9310921495.0/78

- sign 0.668 $\pm$ 0.000 χ^2 /NDF: 5121446933.5/39

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 641599.2/21

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1258511.3/18

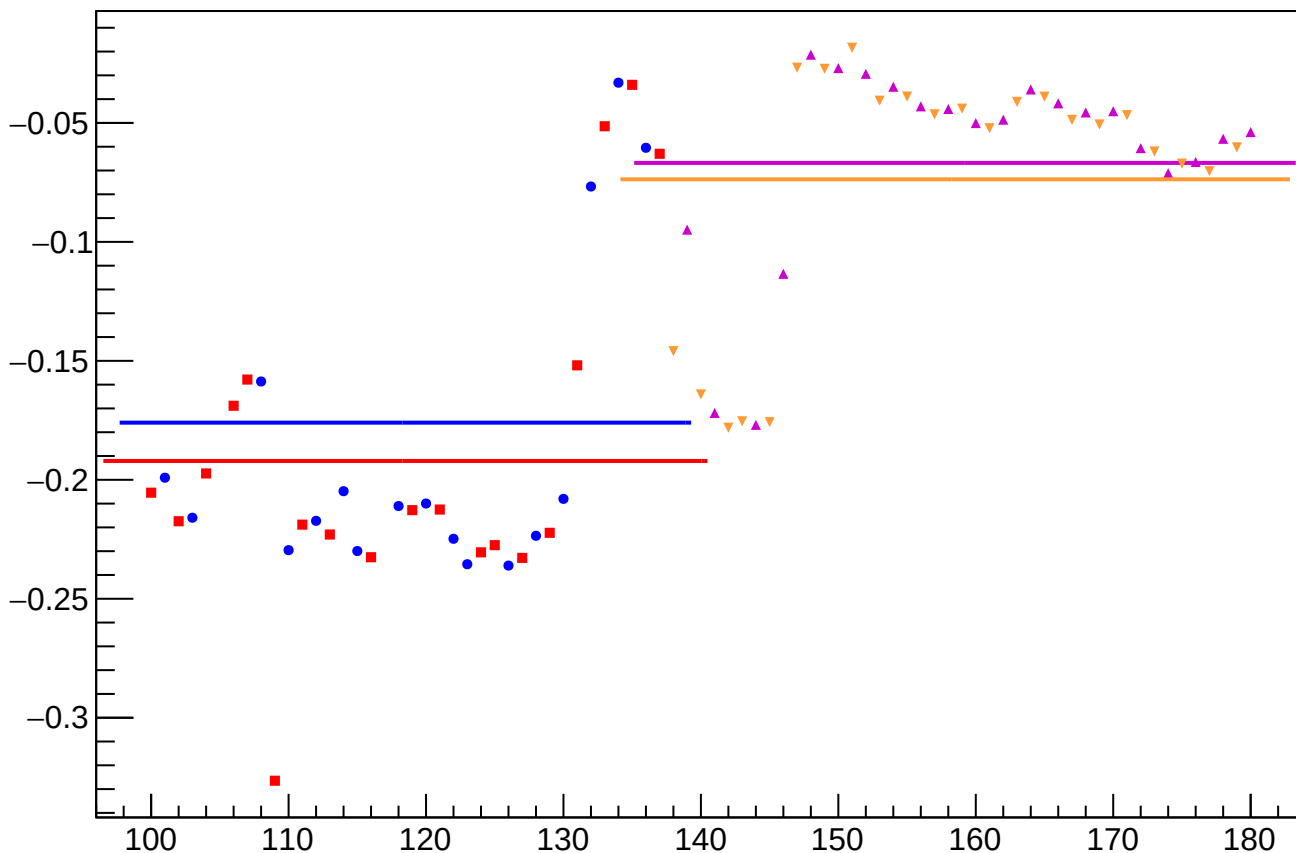
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 476325.5/20

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2191807.9/38

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4204960.7/78

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2009088.5/39

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.074+/-0.000 χ^2/NDF : 101880477.3/21

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

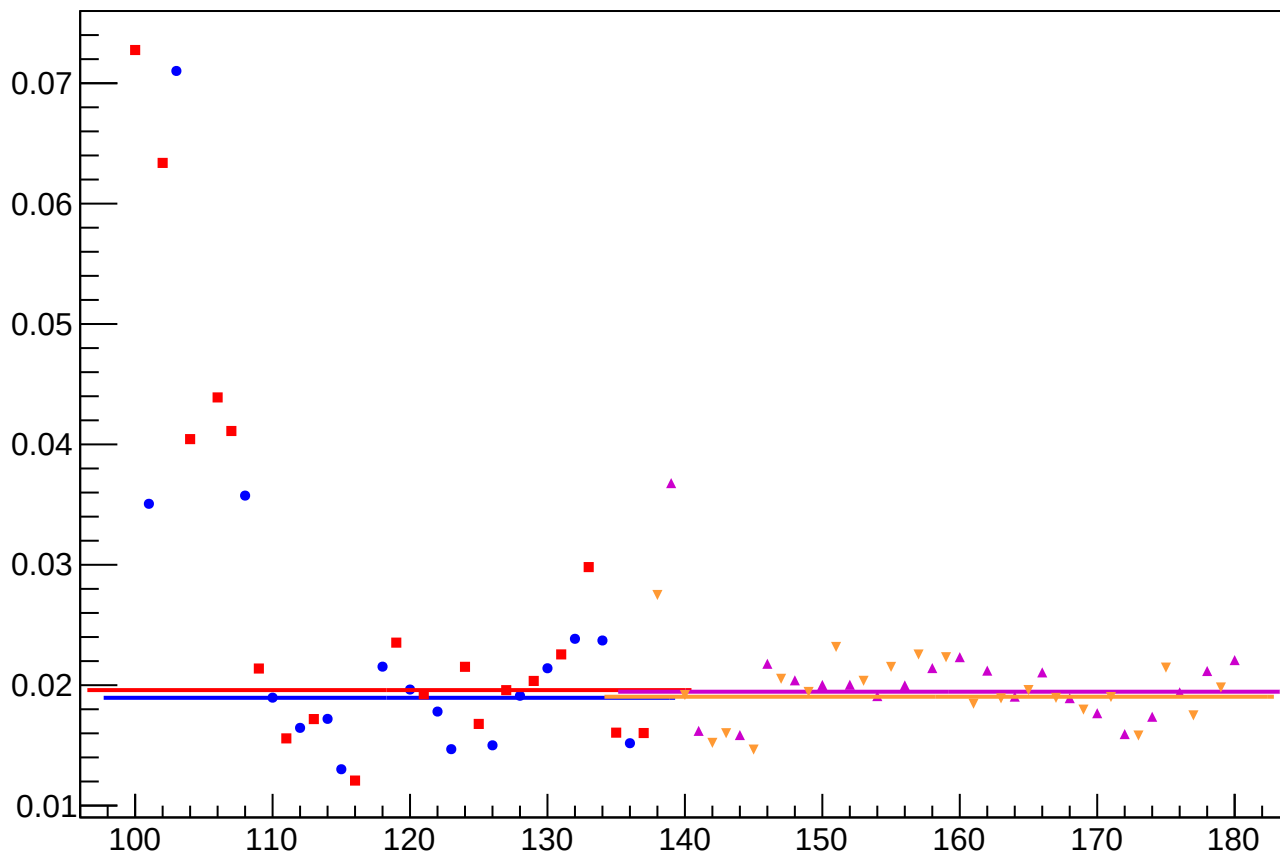
Left In: -0.067+/-0.000 χ^2/NDF : 76117988.1/20

+ sign -0.101+/-0.000 χ^2/NDF : 277320692.5/38

All: -0.101+/-0.000 χ^2/NDF : 590254525.6/78

- sign -0.101+/-0.000 χ^2/NDF : 312933728.4/39

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 507666.7/21

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

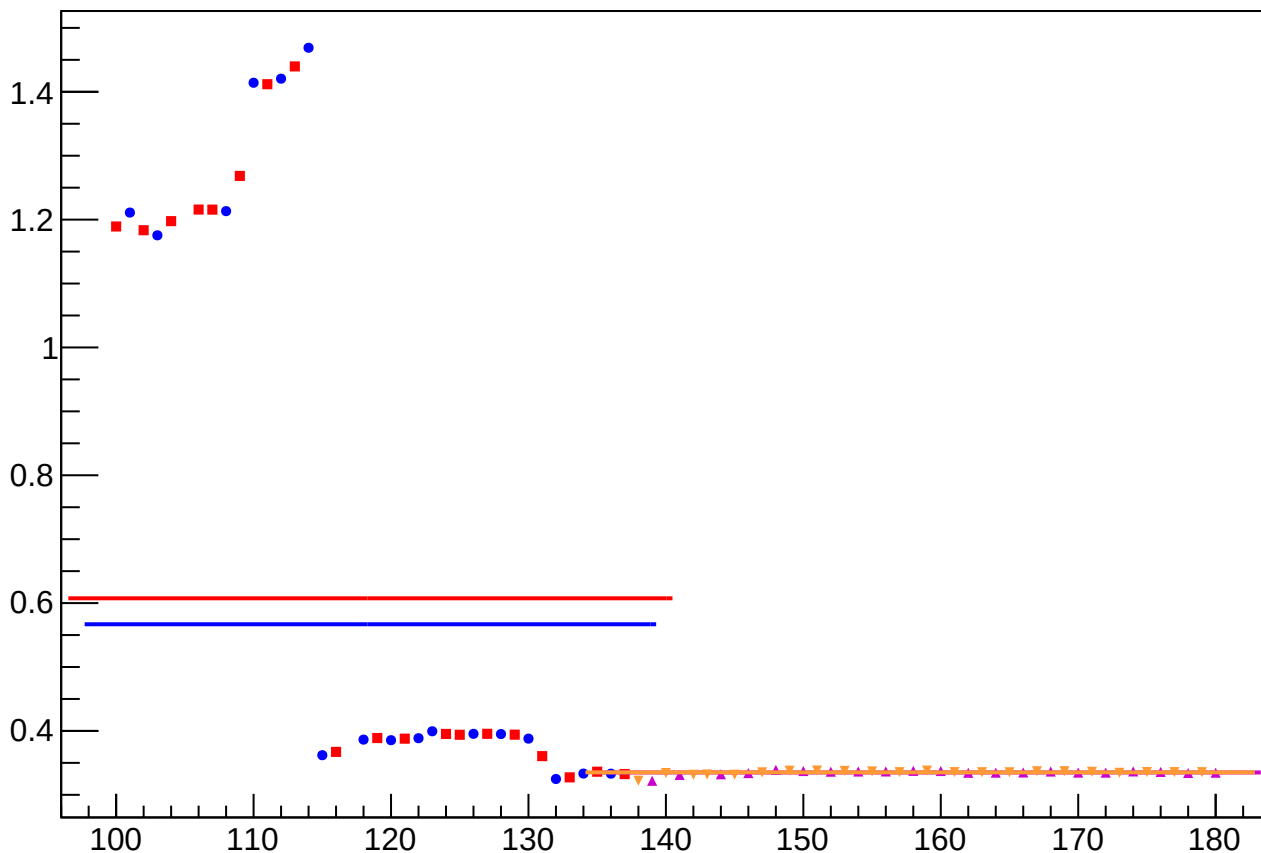
Left In: 0.019+/-0.000 χ^2/NDF : 623102.0/20

+ sign 0.019+/-0.000 χ^2/NDF : 1711096.5/38

All: 0.019+/-0.000 χ^2/NDF : 3801354.5/78

- sign 0.019+/-0.000 χ^2/NDF : 2078782.6/39

yield_bpm4eY_mean vs Slug



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.335+/-0.000 χ^2/NDF : 1137296.3/21

Right Out: 0.607+/-0.000 χ^2/NDF : 5505226431.3/18

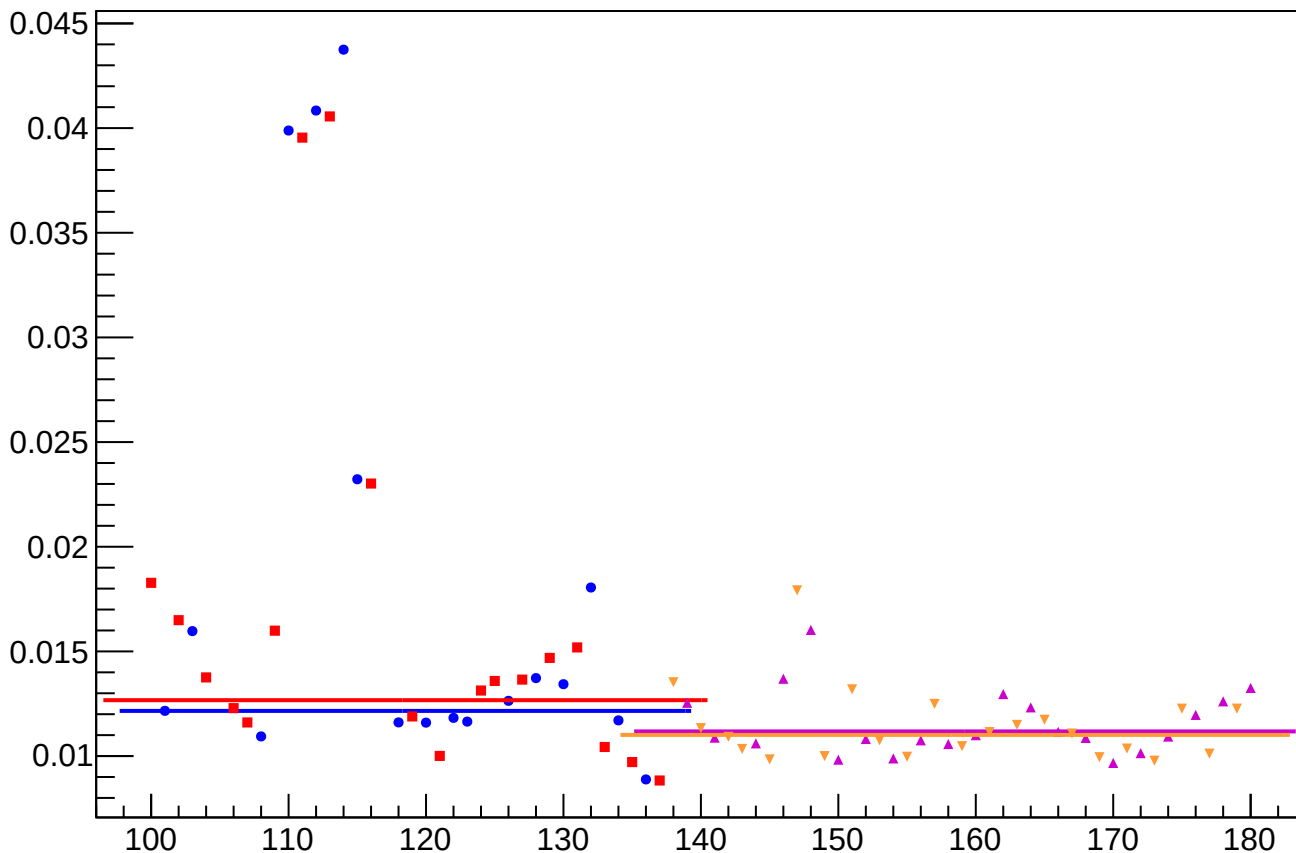
Left In: 0.335+/-0.000 χ^2/NDF : 1195535.9/20

+ sign 0.387+/-0.000 χ^2/NDF : 6594641883.1/38

All: 0.392+/-0.000 χ^2/NDF : 14214049961.1/77

- sign 0.397+/-0.000 χ^2/NDF : 7612238506.9/39

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 496506.5/21

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

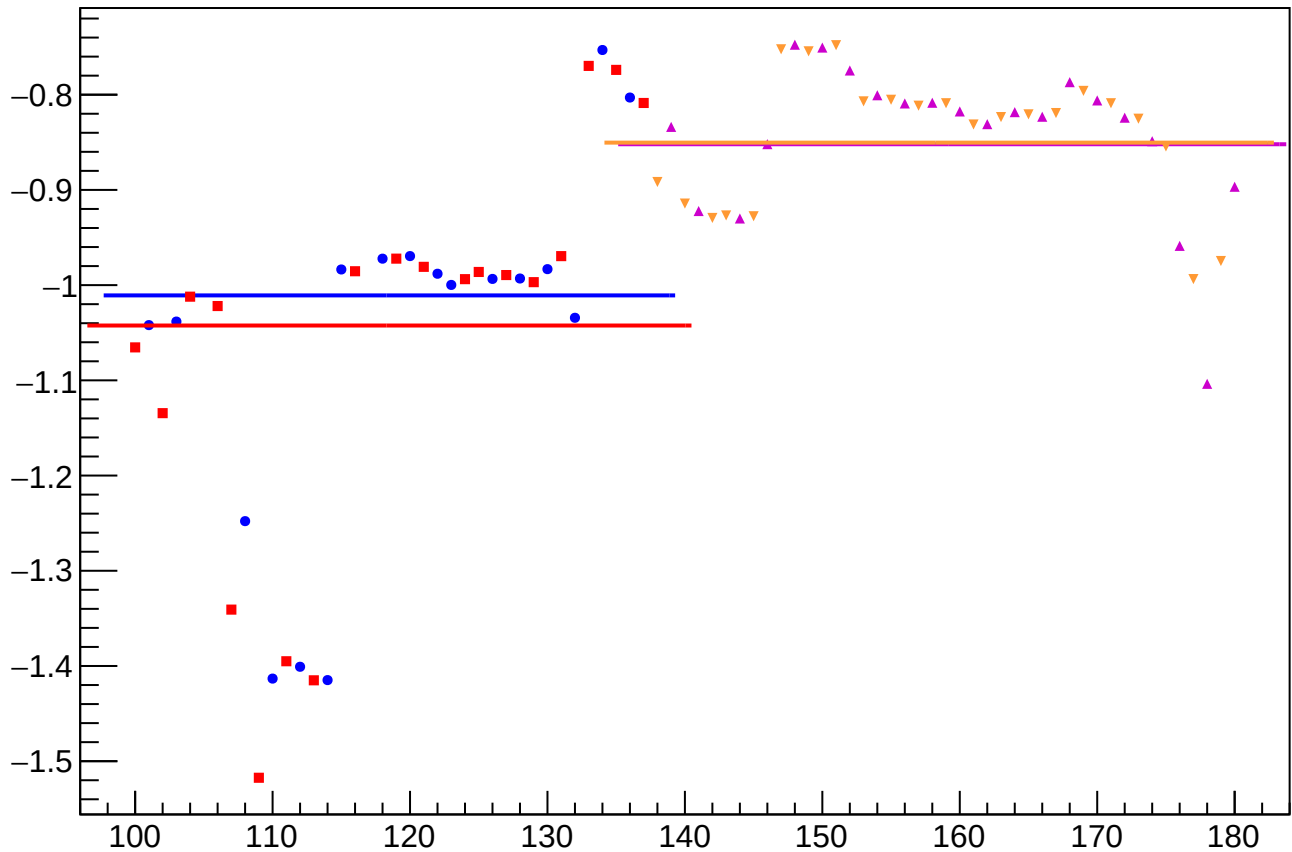
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 444309.2/20

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1881595.0/38

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3729280.1/78

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1837711.3/39

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.850+/-0.000 χ^2/NDF : 180127767.9/21

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

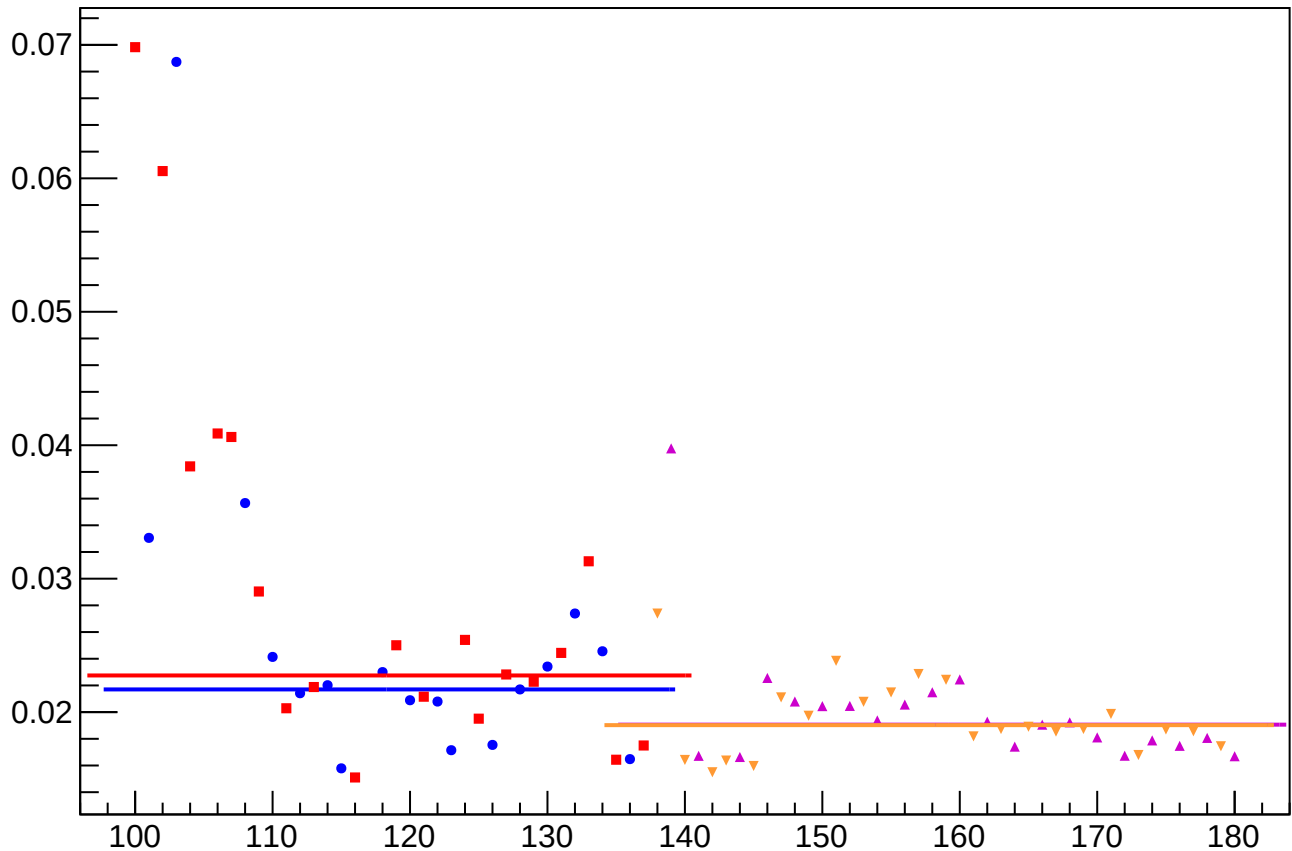
Left In: -0.852+/-0.000 χ^2/NDF : 251869629.4/20

+ sign -0.886+/-0.000 χ^2/NDF : 780695113.6/38

All: -0.890+/-0.000 χ^2/NDF : 1852870784.4/7

- sign -0.894+/-0.000 χ^2/NDF : 1070828227.0/39

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 979293.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 436456.5/21

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152332.6/18

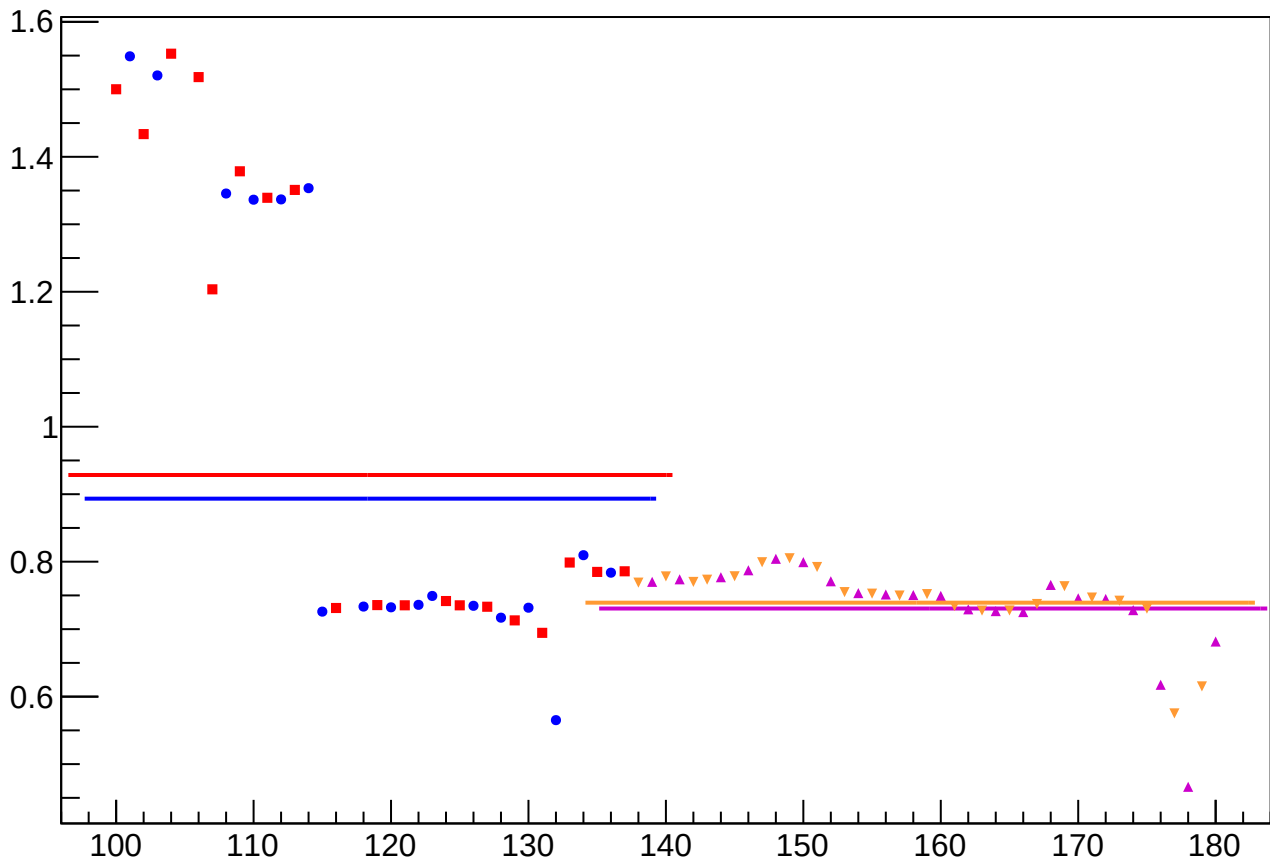
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 632459.3/20

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1534509.8/38

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3539696.4/78

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2002336.4/39

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.739+/-0.000 χ^2/NDF : 315302034.8/21

+ sign 0.771+/-0.000 χ^2/NDF : 3244265873.7/38

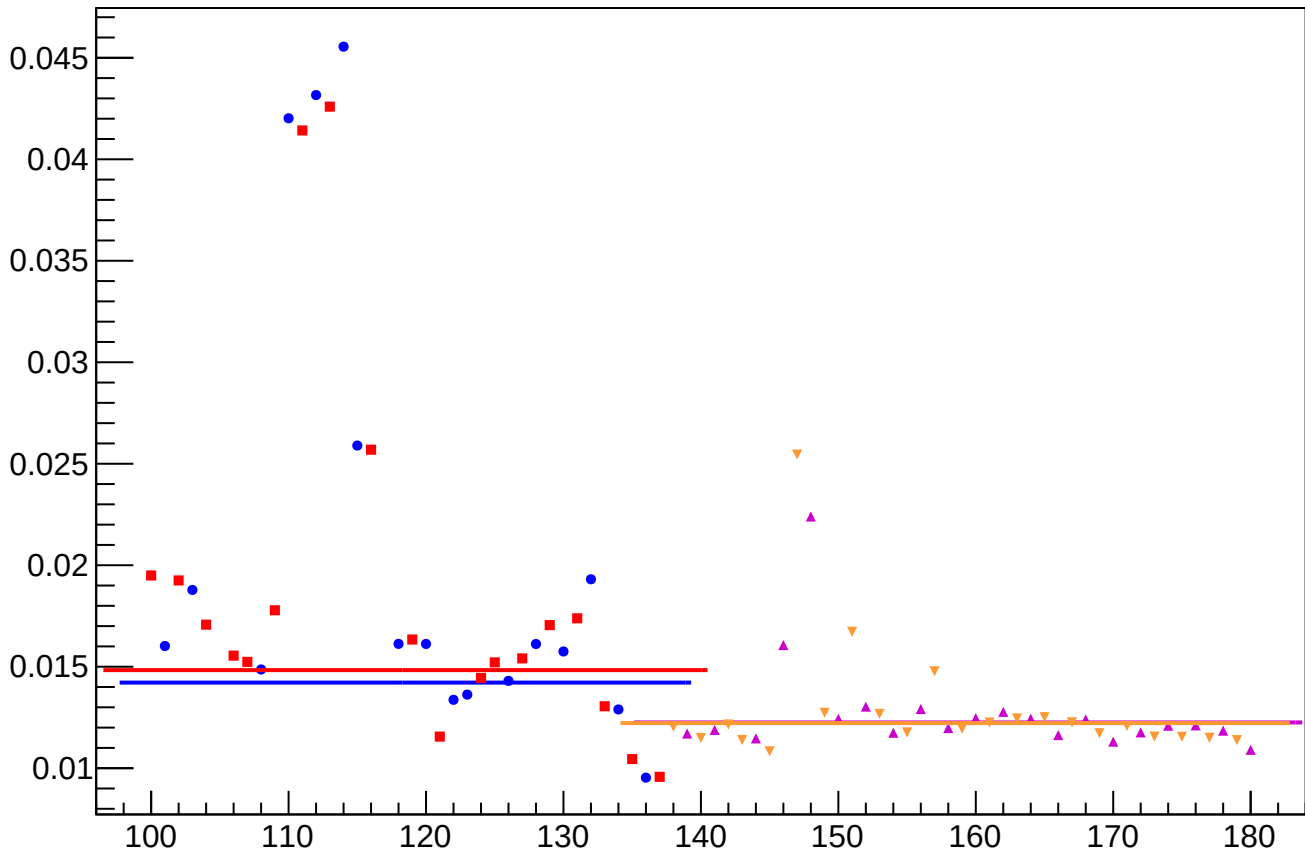
Right Out: 0.928+/-0.000 χ^2/NDF : 2435640156.0/18

All: 0.771+/-0.000 χ^2/NDF : 7084854776.6/78

- sign 0.771+/-0.000 χ^2/NDF : 3840588181.3/39

Left In: 0.731+/-0.000 χ^2/NDF : 558835764.5/20

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 623664.4/21

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1269559.2/18

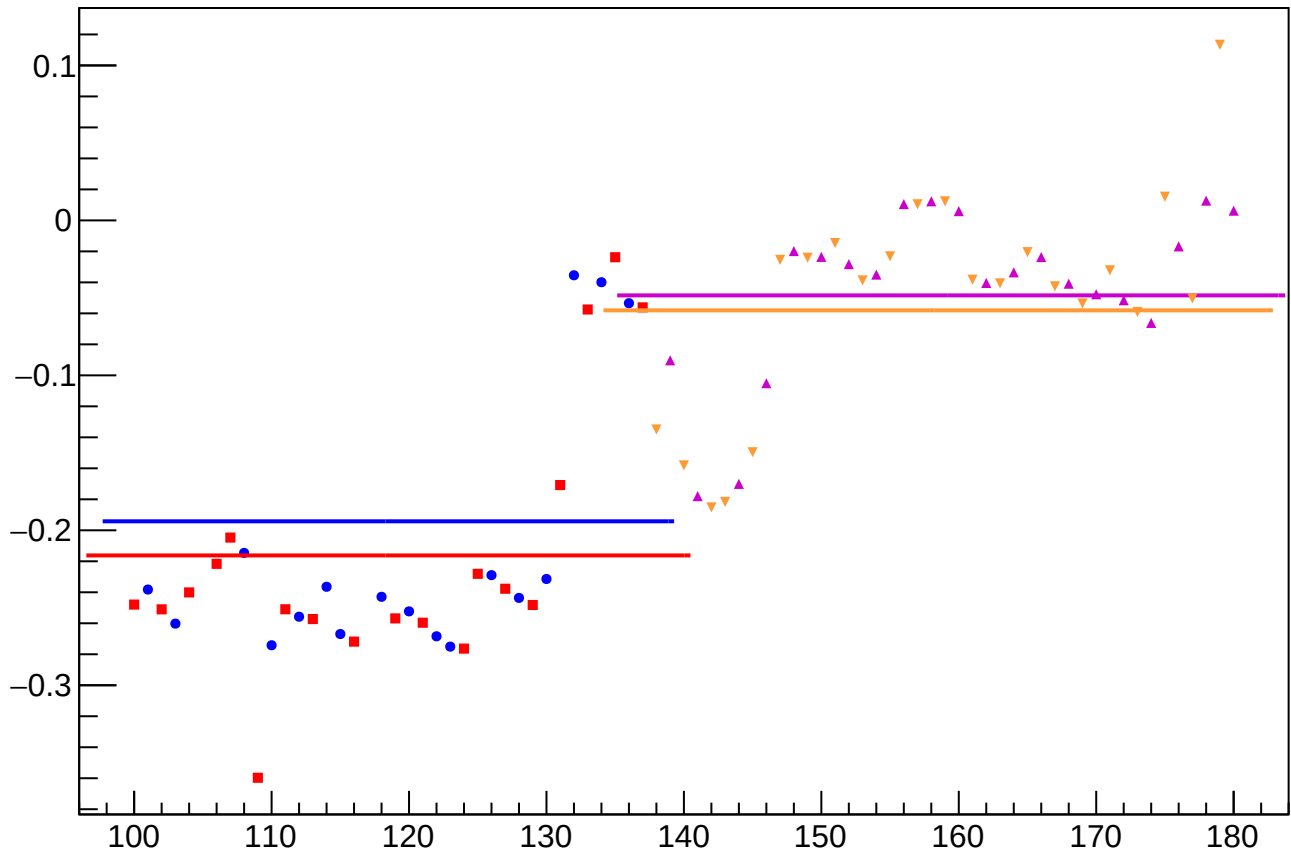
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 469372.5/20

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2207888.4/38

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4237012.4/78

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 2026176.4/39

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.058+/-0.000 χ^2/NDF : 143175782.3/21

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

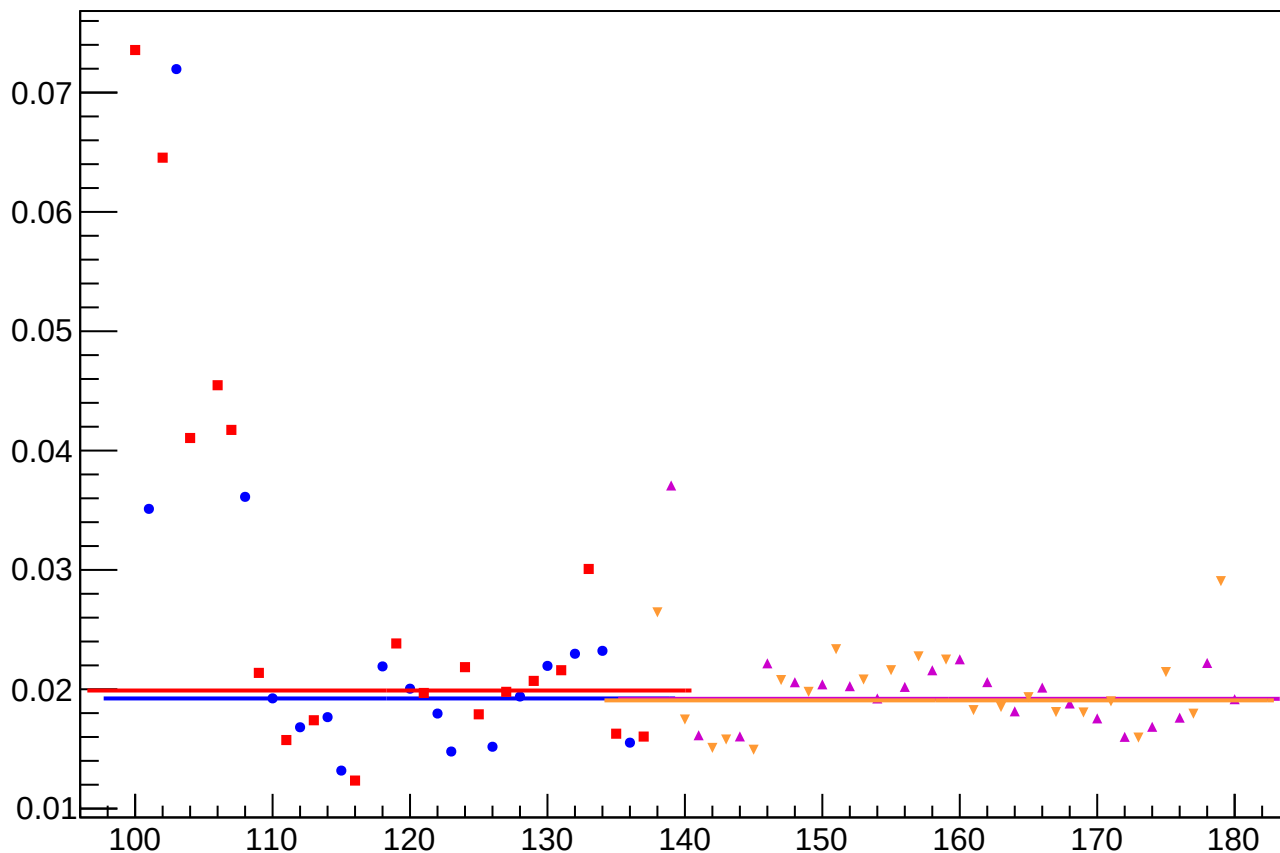
Left In: -0.048+/-0.000 χ^2/NDF : 112852130.9/20

+ sign -0.095+/-0.000 χ^2/NDF : 432840064.2/38

All: -0.094+/-0.000 χ^2/NDF : 926939935.6/78

- sign -0.093+/-0.000 χ^2/NDF : 494022706.5/39

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1174577.3/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 608431.0/21

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1444442.2/18

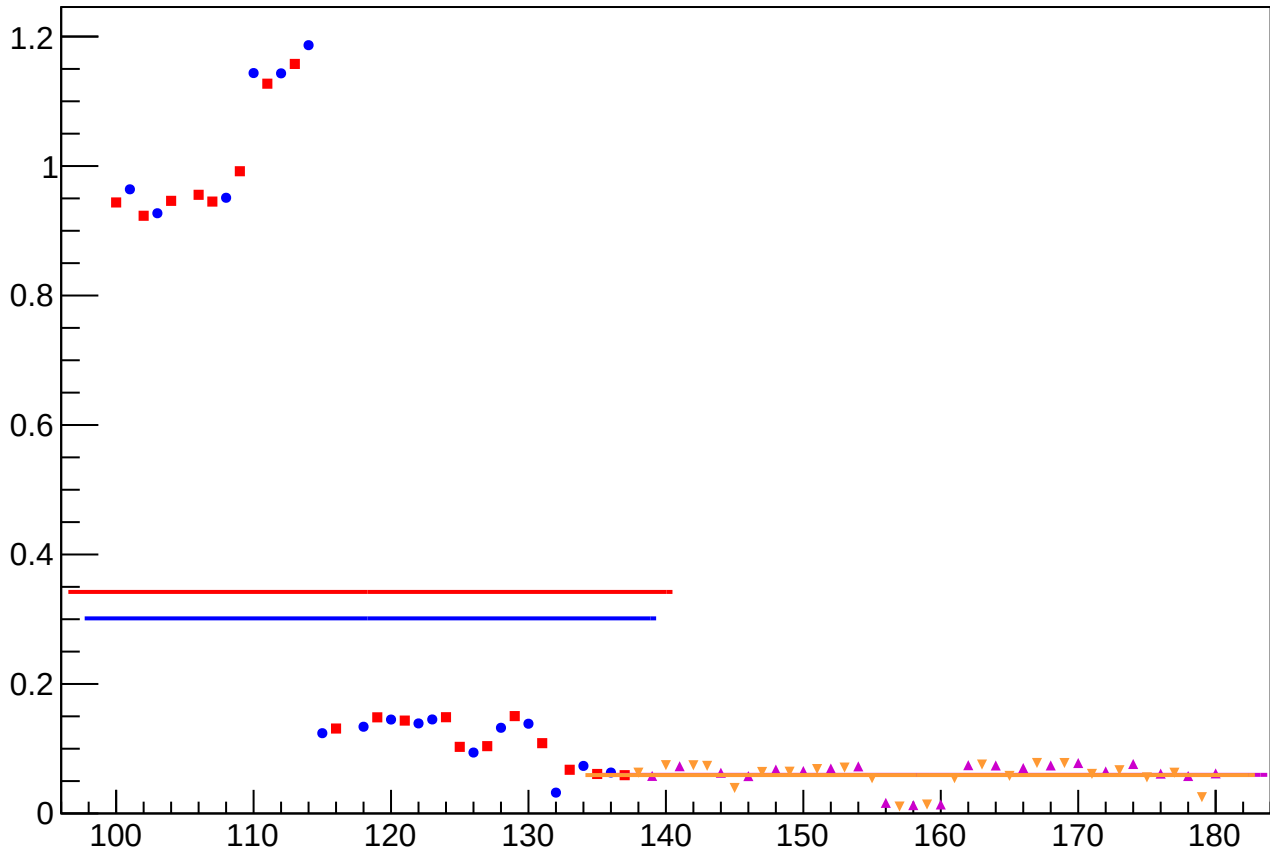
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 639876.4/20

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1783513.6/38

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3880782.0/78

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2093617.7/39

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.059+/-0.000 χ^2/NDF : 46052863.7/21

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

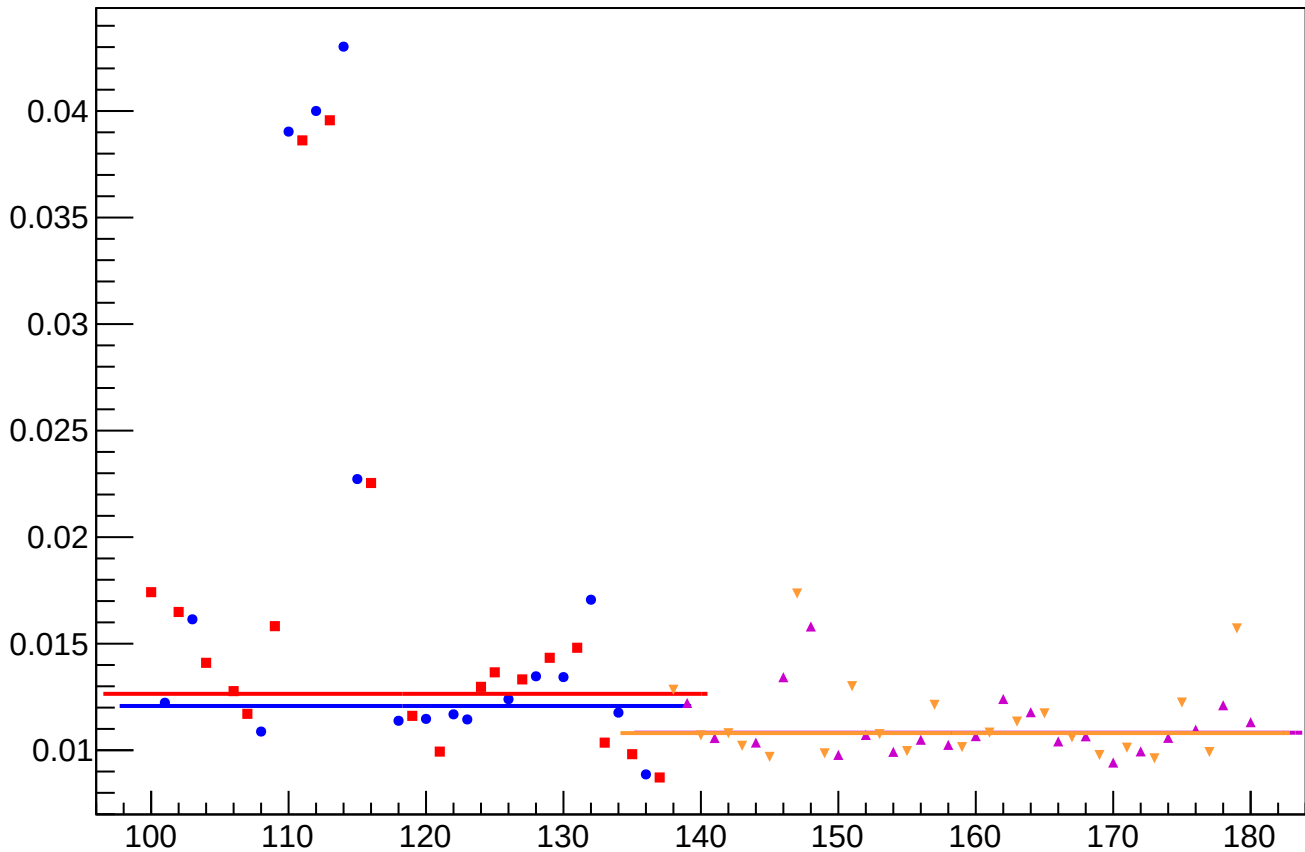
Left In: 0.060+/-0.000 χ^2/NDF : 57377077.3/20

+ sign 0.114+/-0.000 χ^2/NDF : 6944299681.1/38

All: 0.117+/-0.000 χ^2/NDF : 14749562424.6/79

- sign 0.121+/-0.000 χ^2/NDF : 7801212363.3/39

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:535595.8/21

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

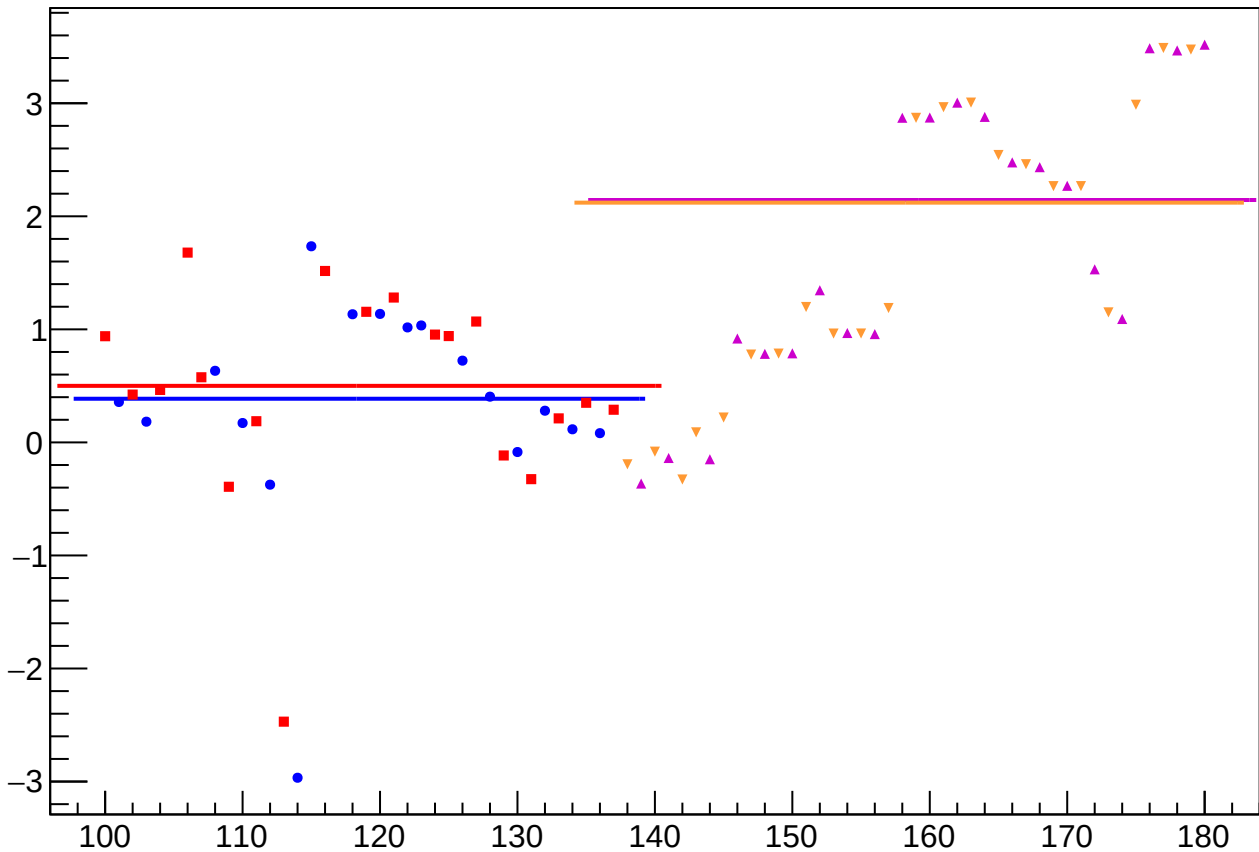
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:369601.5/20

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1912308.3/38

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3712657.8/78

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1797668.0/39

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 2.121+/-0.000 χ^2/NDF :43181104803.1/21

+ sign 2.056+/-0.000 χ^2/NDF : 48487565503.4/38

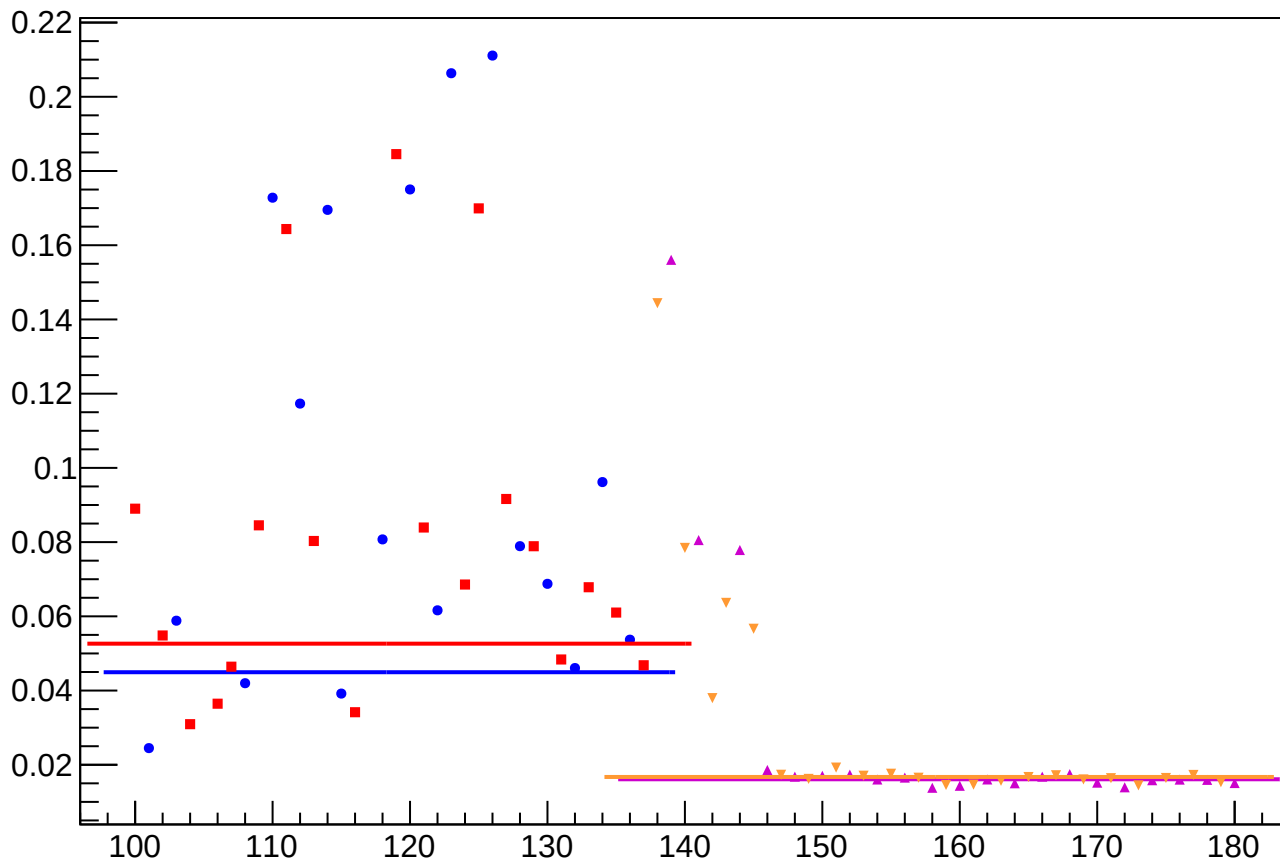
Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

All: 2.076+/-0.000 χ^2/NDF : 102693031301.1

- sign 2.095+/-0.000 χ^2/NDF : 54167914881.8/39

Left In: 2.144+/-0.000 χ^2/NDF :49282172073.1/20

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017+/-0.000 χ^2/NDF :2792453.4/21

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

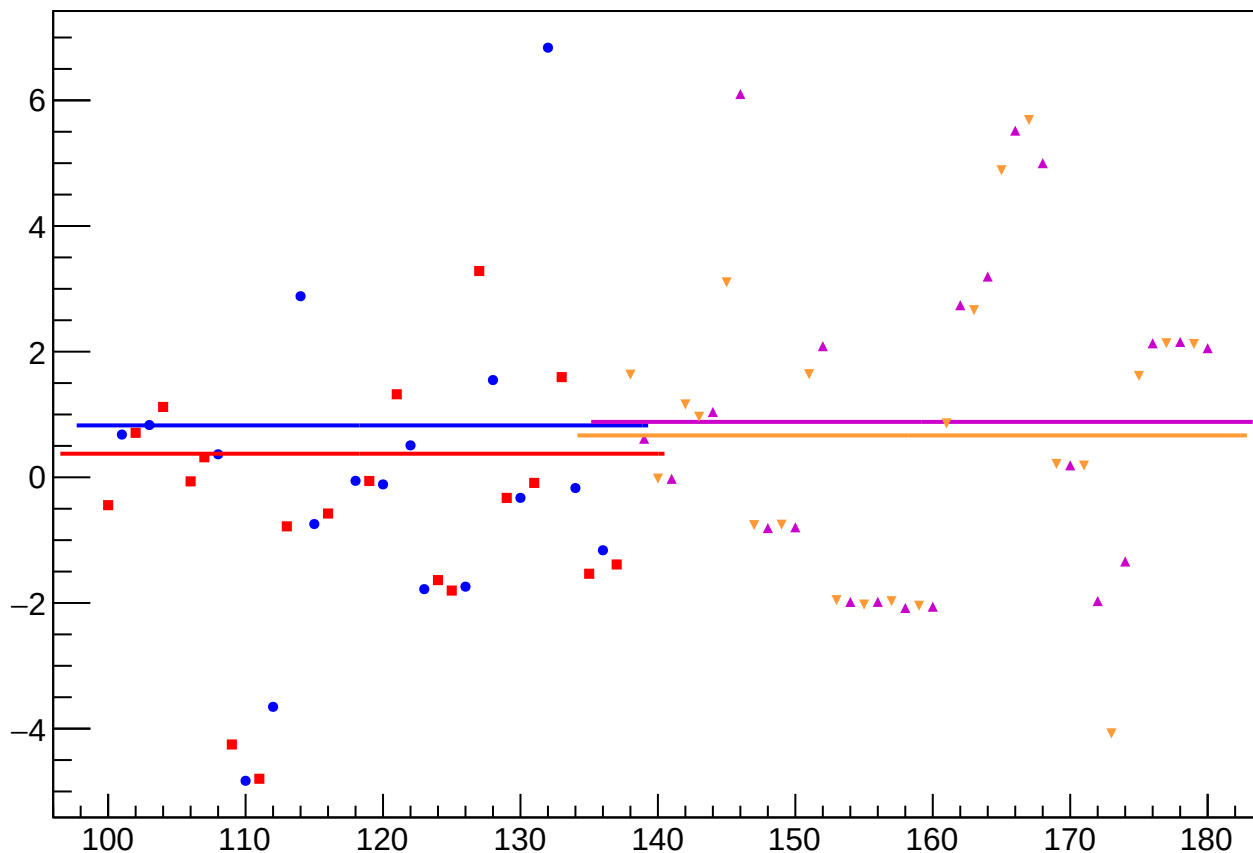
Left In: 0.016+/-0.000 χ^2/NDF :2458516.7/20

+ sign 0.018+/-0.000 χ^2/NDF : 8259941.5/38

All: 0.017+/-0.000 χ^2/NDF : 16783000.5/78

- sign 0.017+/-0.000 χ^2/NDF : 8506125.4/39

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.667+/-0.000 χ^2/NDF : 495778122468.8/21

Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

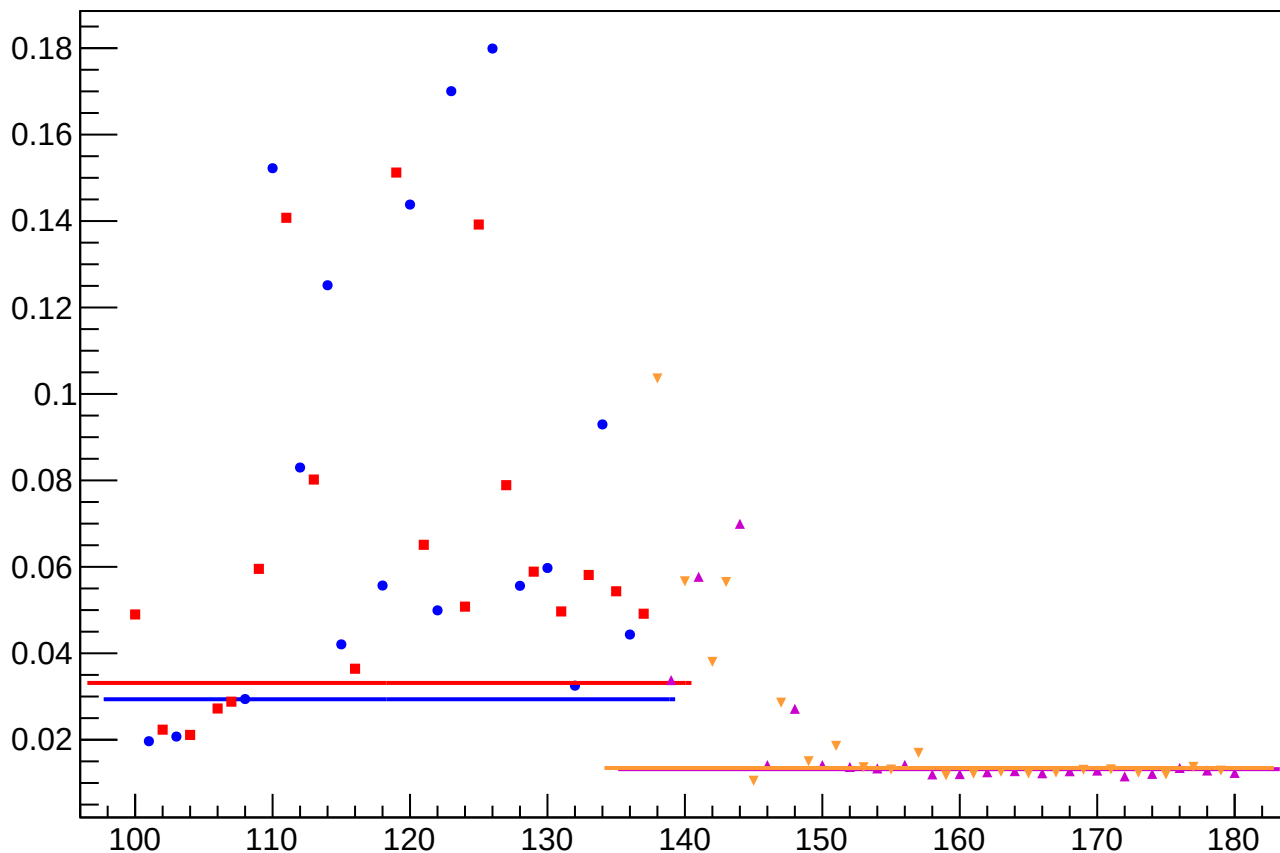
Left In: 0.882+/-0.000 χ^2/NDF : 569475385441.9/20

+ sign 0.675+/-0.000 χ^2/NDF : 506818379502.9/38

All: 0.770+/-0.000 χ^2/NDF : 1083485876847.

- sign 0.861+/-0.000 χ^2/NDF : 575280621589.0/39

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.013+/-0.000 χ^2/NDF : 2894450.4/21

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

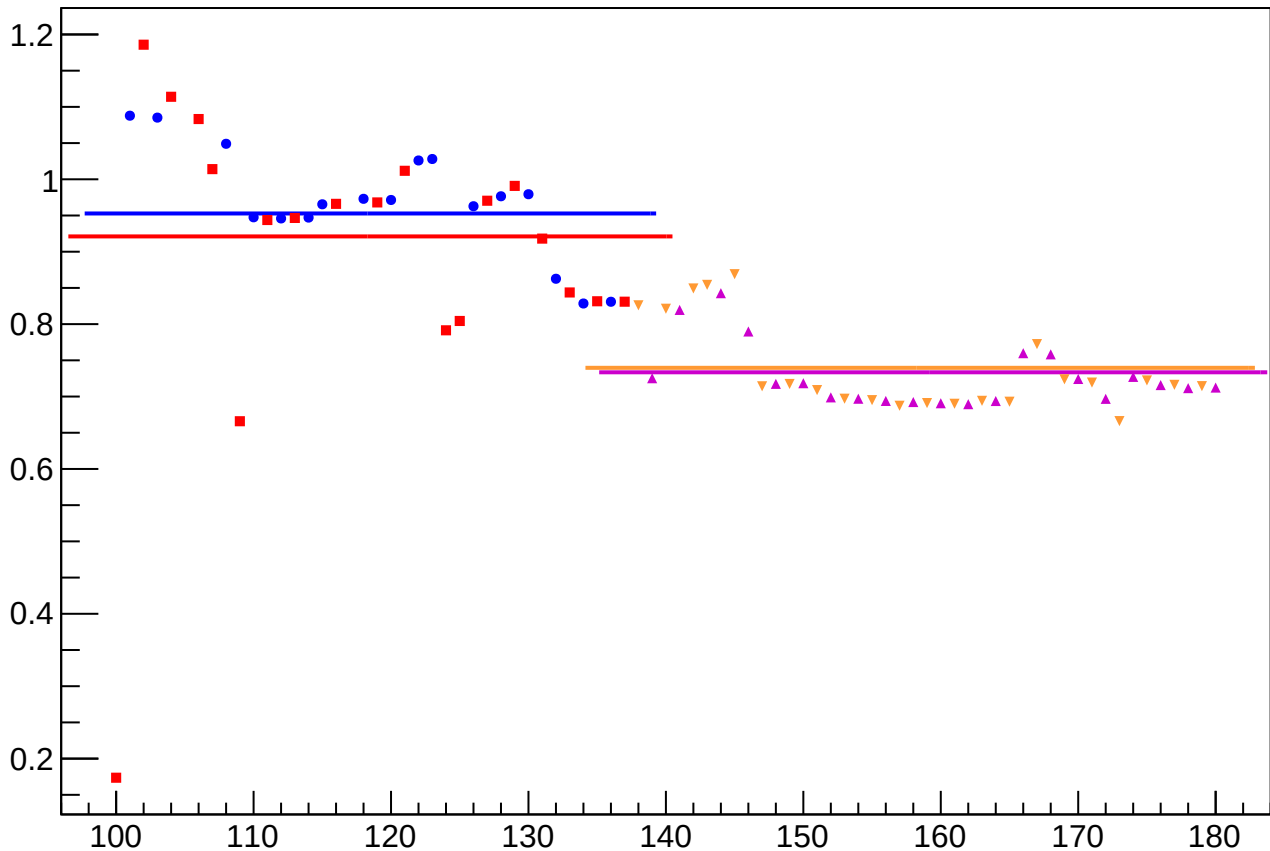
Left In: 0.013+/-0.000 χ^2/NDF : 1959931.2/20

+ sign 0.014+/-0.000 χ^2/NDF : 7769864.7/38

All: 0.014+/-0.000 χ^2/NDF : 15495411.4/78

- sign 0.014+/-0.000 χ^2/NDF : 7721354.7/39

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.740 $\pm$ 0.000 χ^2 /NDF:294260380.7/21

+ sign 0.800 $\pm$ 0.000 χ^2 /NDF: 1461447690.5/38

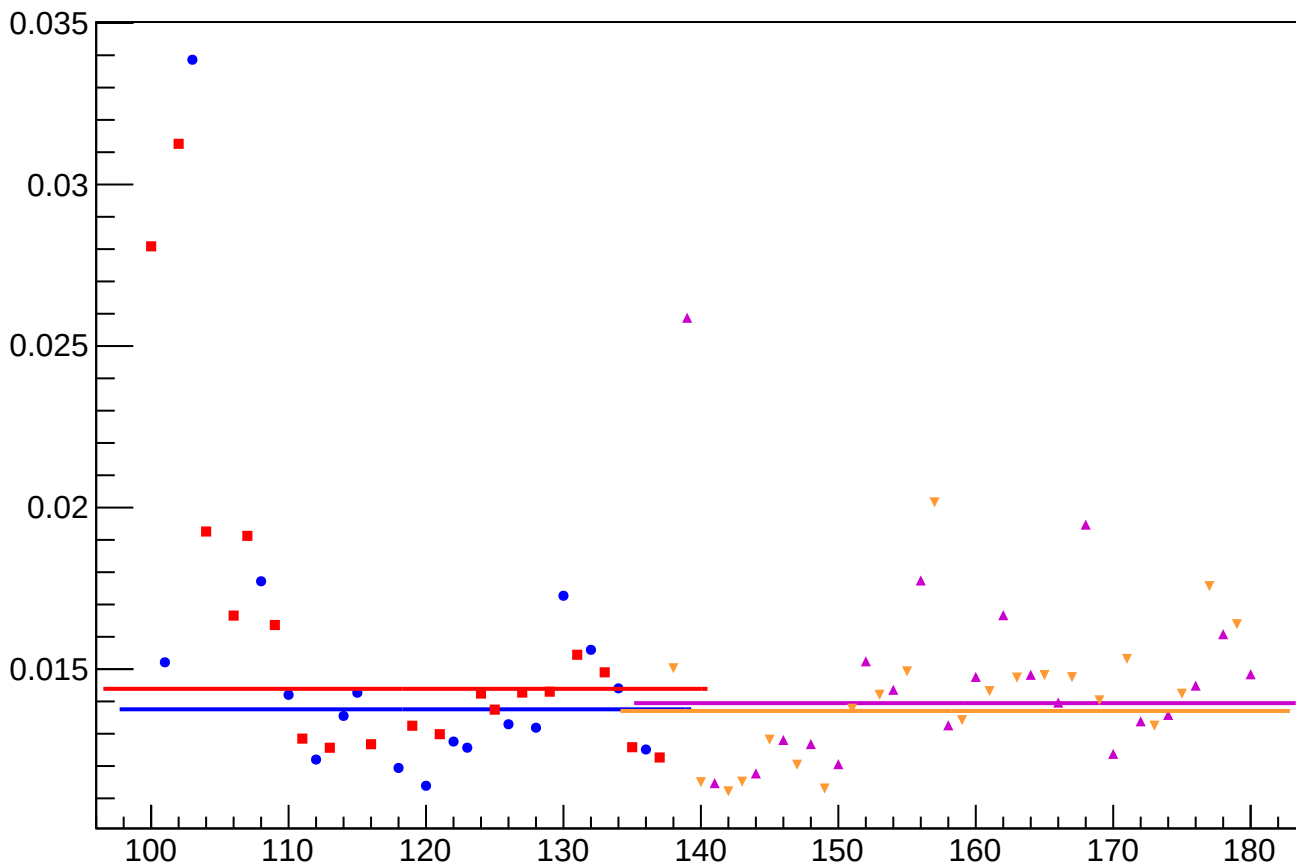
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

All: 0.793 $\pm$ 0.000 χ^2 /NDF: 2757652842.7/78

- sign 0.786 $\pm$ 0.000 χ^2 /NDF: 1286337010.5/39

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:169310571.4/20

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538469.4/16

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:513516.9/21

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

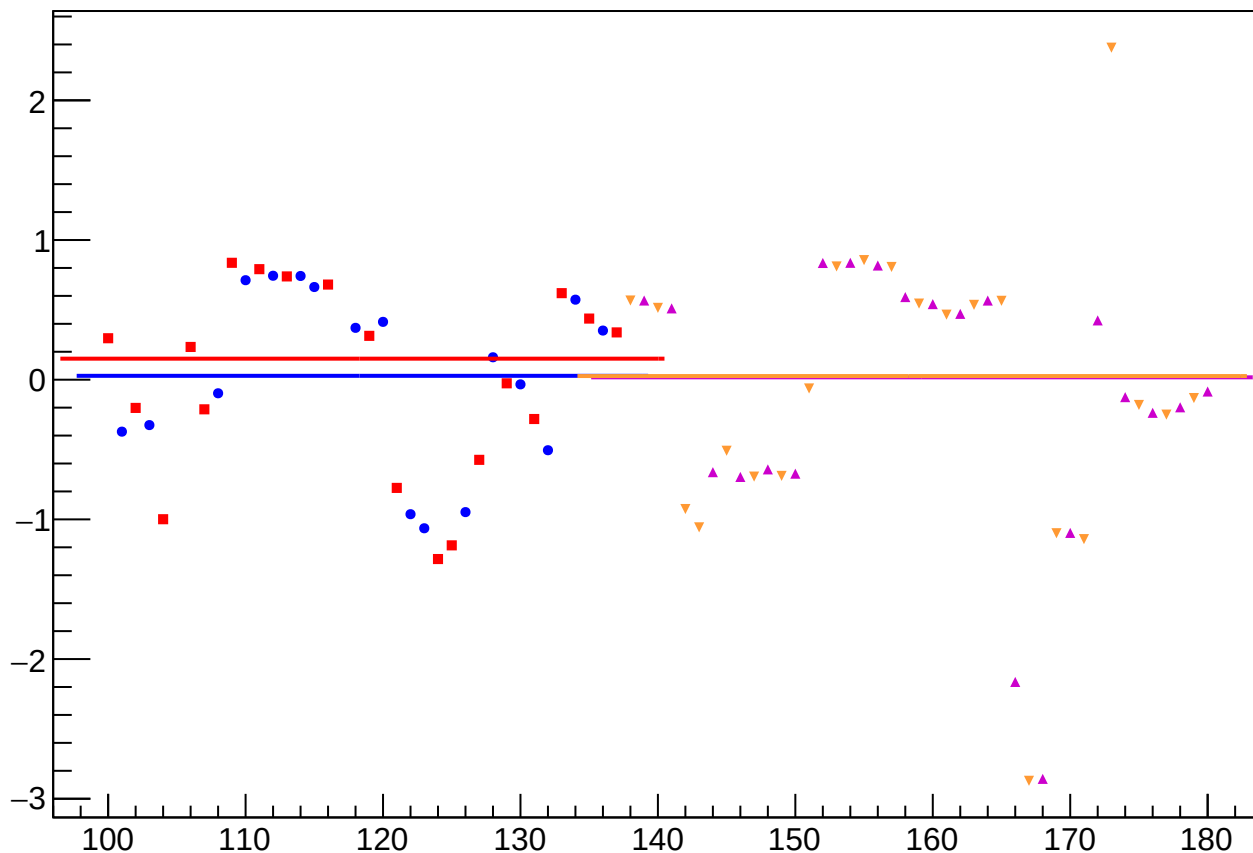
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:788984.0/20

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1052098.3/38

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2366304.4/78

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1301047.6/39

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.026+/-0.000 χ^2/NDF : 95288061103.9/21

Right Out: 0.151+/-0.000 χ^2/NDF : 12653743155.9/18

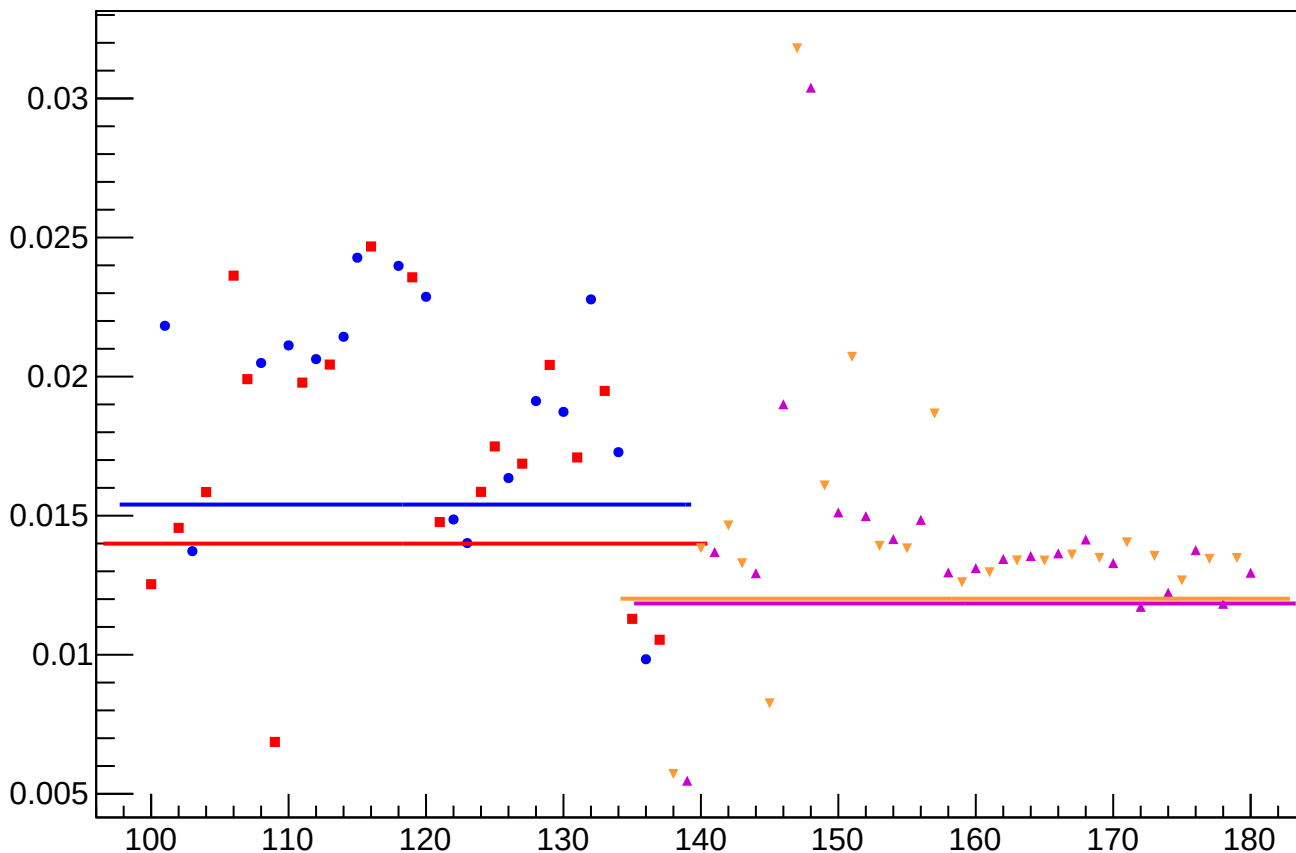
Left In: 0.017+/-0.000 χ^2/NDF : 79415916357.8/20

+ sign 0.026+/-0.000 χ^2/NDF : 101565070742.0/38

All: 0.037+/-0.000 χ^2/NDF : 194057321161.7

- sign 0.046+/-0.000 χ^2/NDF : 92466972764.3/39

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1141655.8/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 3087125.6/21

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1561550.9/18

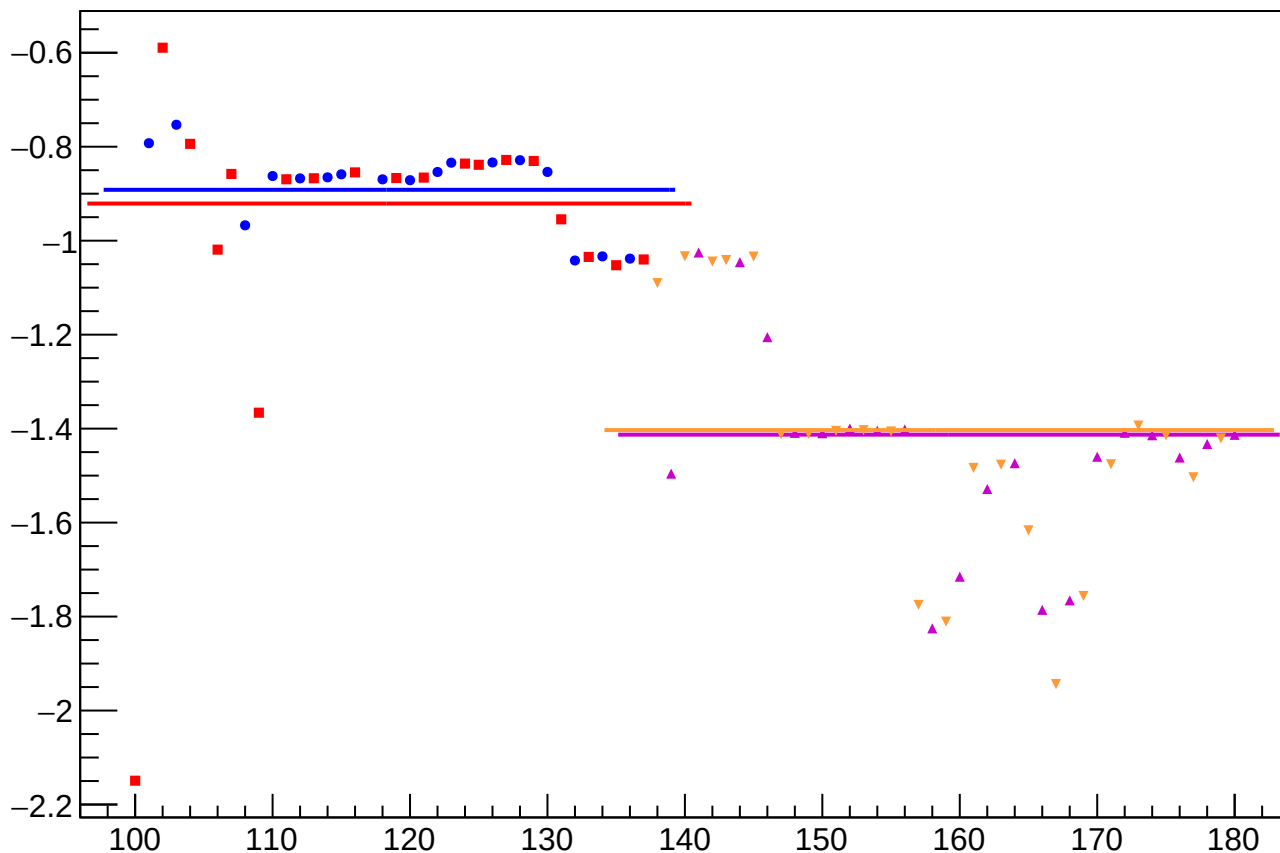
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 3080673.1/20

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4665488.6/38

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 9529093.8/78

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4848238.6/39

yield_bpm12X_mean vs Slug



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.403+/-0.000 χ^2/NDF : 718079776.6/21

Right Out: -0.921+/-0.000 χ^2/NDF : 131159330.1/18

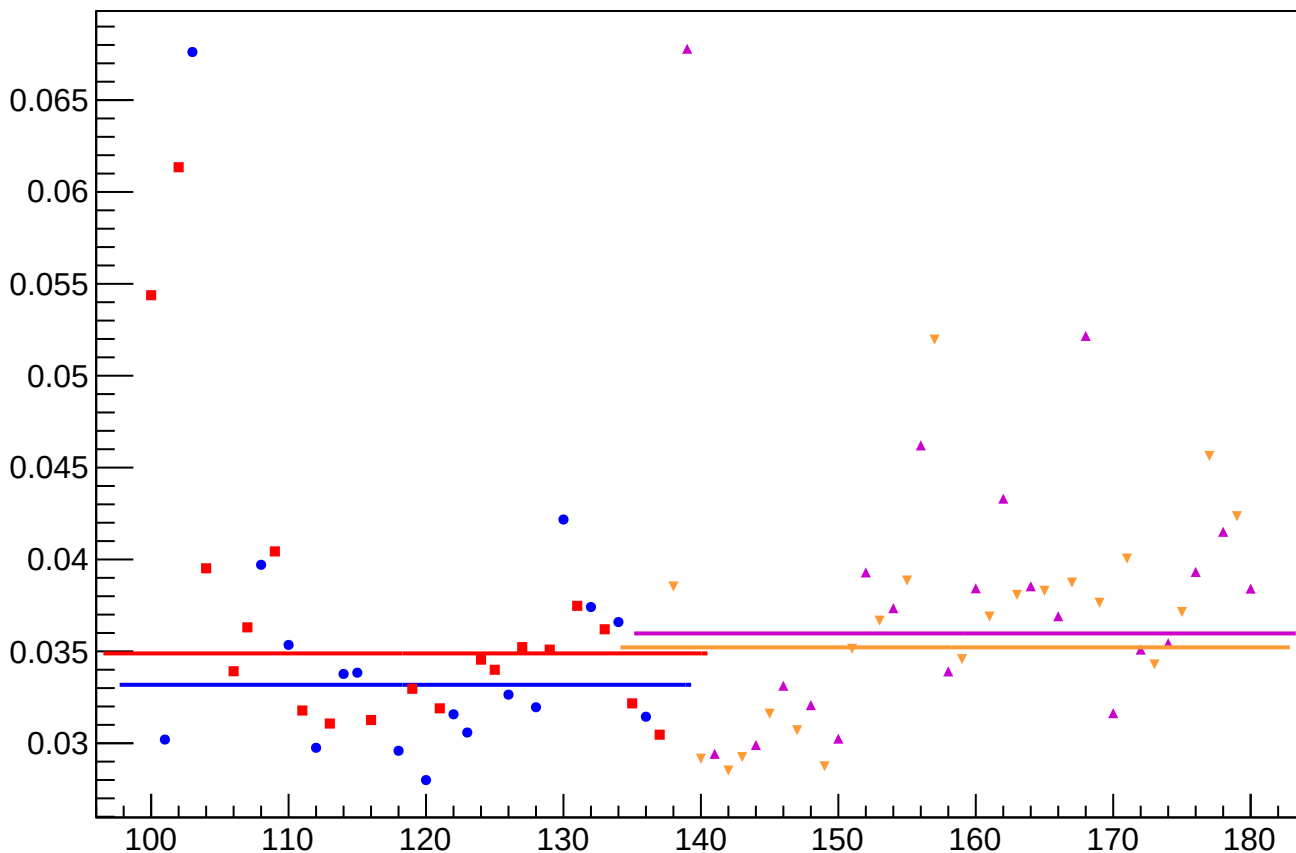
Left In: -1.413+/-0.000 χ^2/NDF : 512347215.3/20

+ sign -1.243+/-0.000 χ^2/NDF : 1706516041.2/38

All: -1.251+/-0.000 χ^2/NDF : 3193199600.2/7

- sign -1.259+/-0.000 χ^2/NDF : 1484442485.9/39

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.035+/-0.000 χ^2/NDF : 579176.1/21

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

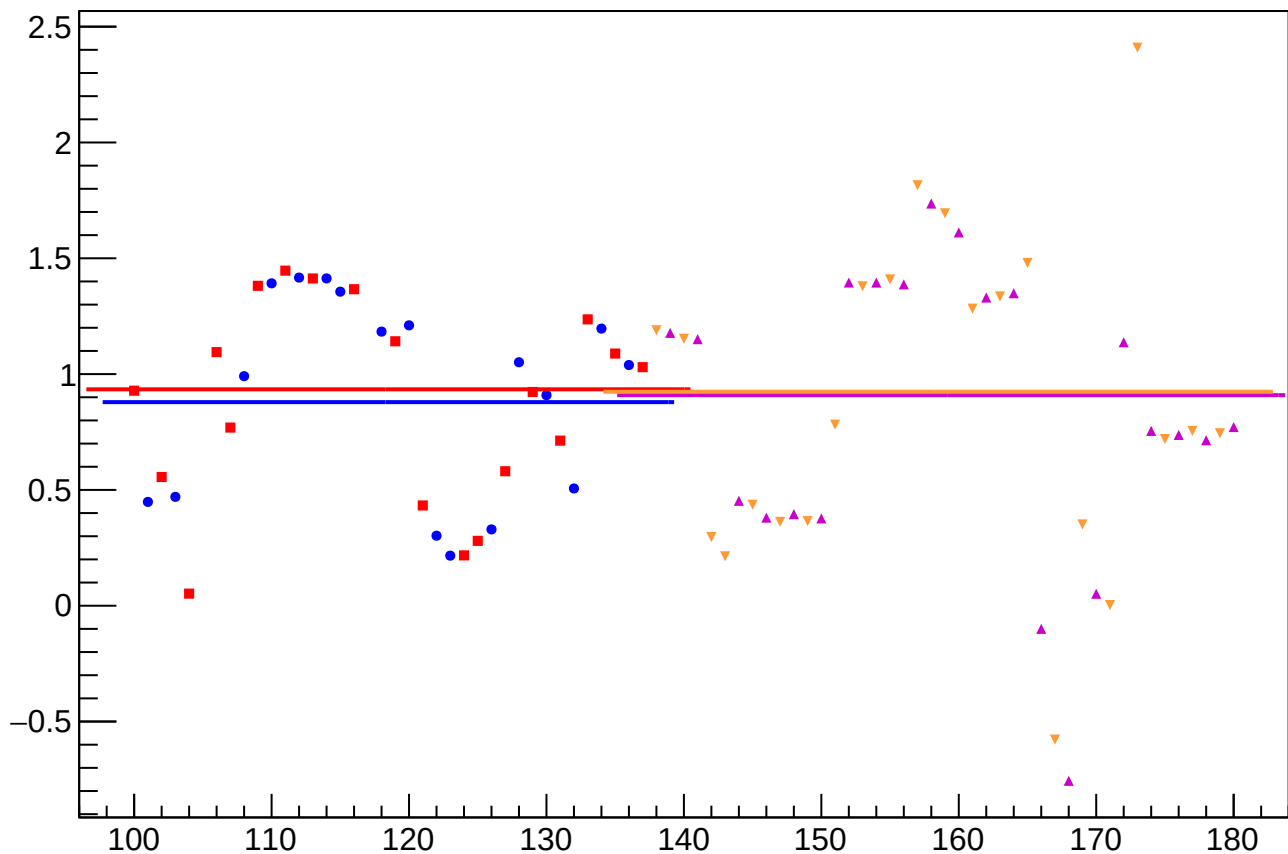
Left In: 0.036+/-0.000 χ^2/NDF : 881992.7/20

+ sign 0.035+/-0.000 χ^2/NDF : 1009409.4/38

All: 0.035+/-0.000 χ^2/NDF : 2193101.8/78

- sign 0.036+/-0.000 χ^2/NDF : 1165233.2/39

yield_bpm12Y_mean vs Slug



Right In: 0.879 $\pm$ 0.000 χ^2 /NDF: 6371602566.2/16

Left Out: 0.924 $\pm$ 0.000 χ^2 /NDF: 83073749362.8/21

Right Out: 0.934 $\pm$ 0.000 χ^2 /NDF: 9827120184.9/18

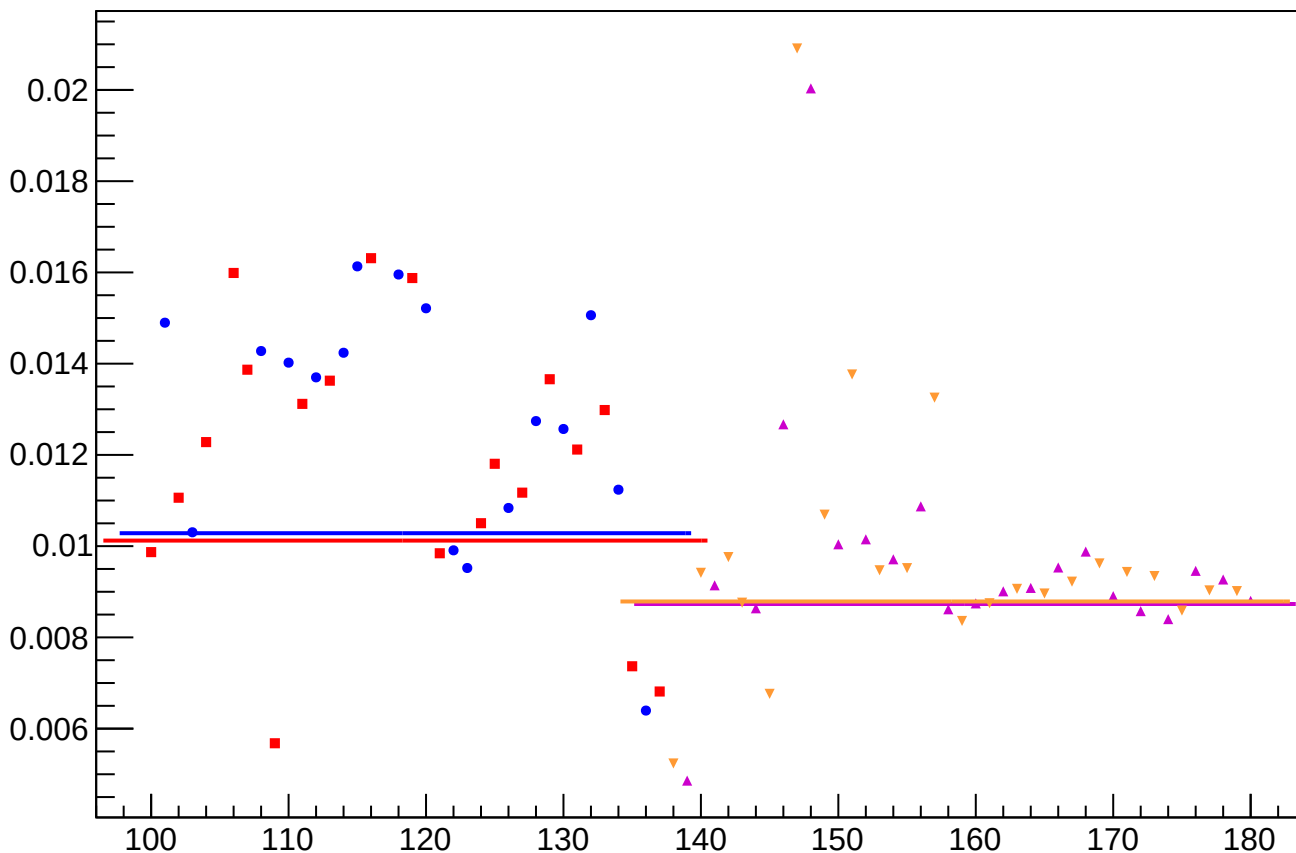
Left In: 0.909 $\pm$ 0.000 χ^2 /NDF: 66705118263.3/20

+ sign 0.914 $\pm$ 0.000 χ^2 /NDF: 89529017451.4/38

All: 0.915 $\pm$ 0.000 χ^2 /NDF: 166089272116.9

- sign 0.915 $\pm$ 0.000 χ^2 /NDF: 76560226751.9/39

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1697495.7/21

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

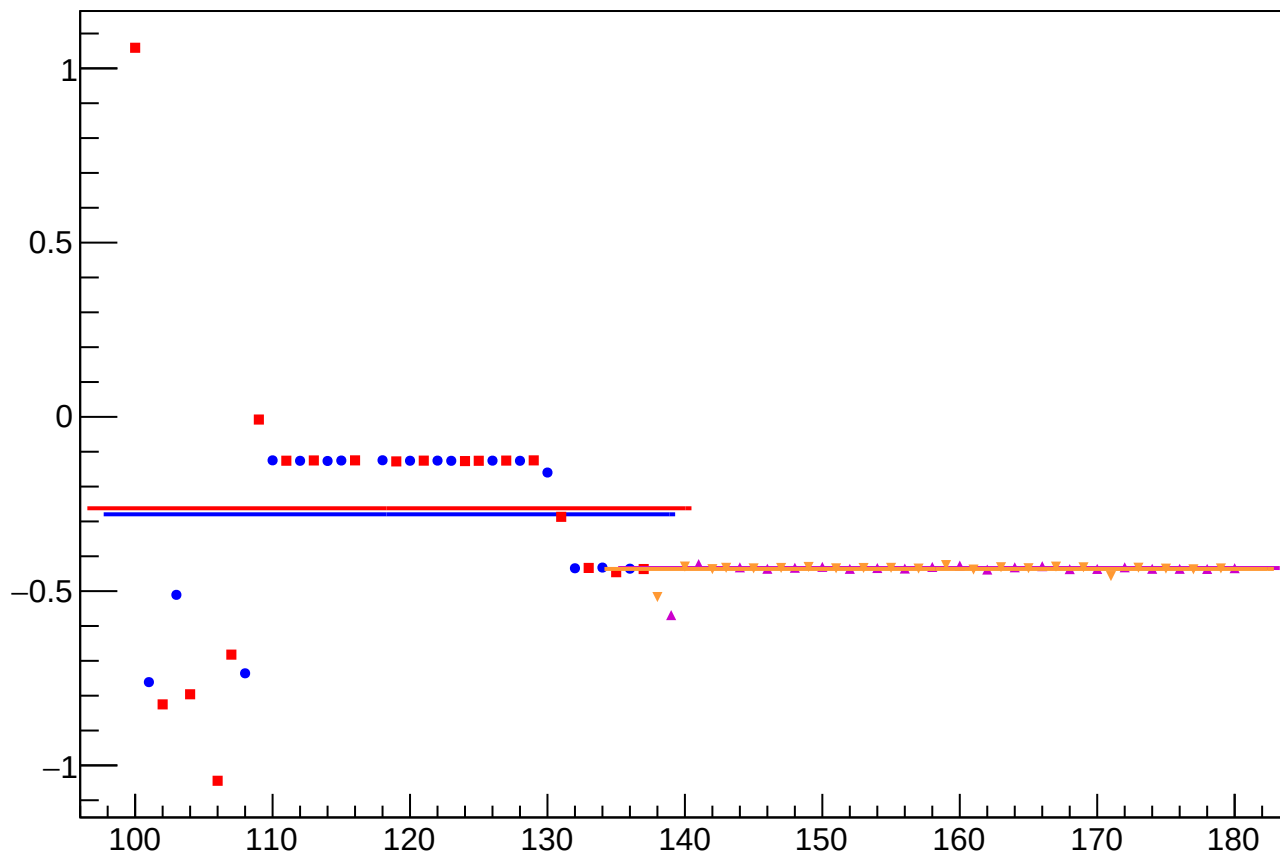
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1669852.9/20

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3090440.9/38

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6108034.0/78

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3016760.7/39

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 28768648.4/21

Right Out: -0.262 ± 0.000 χ^2/NDF : 1006263824.6/18

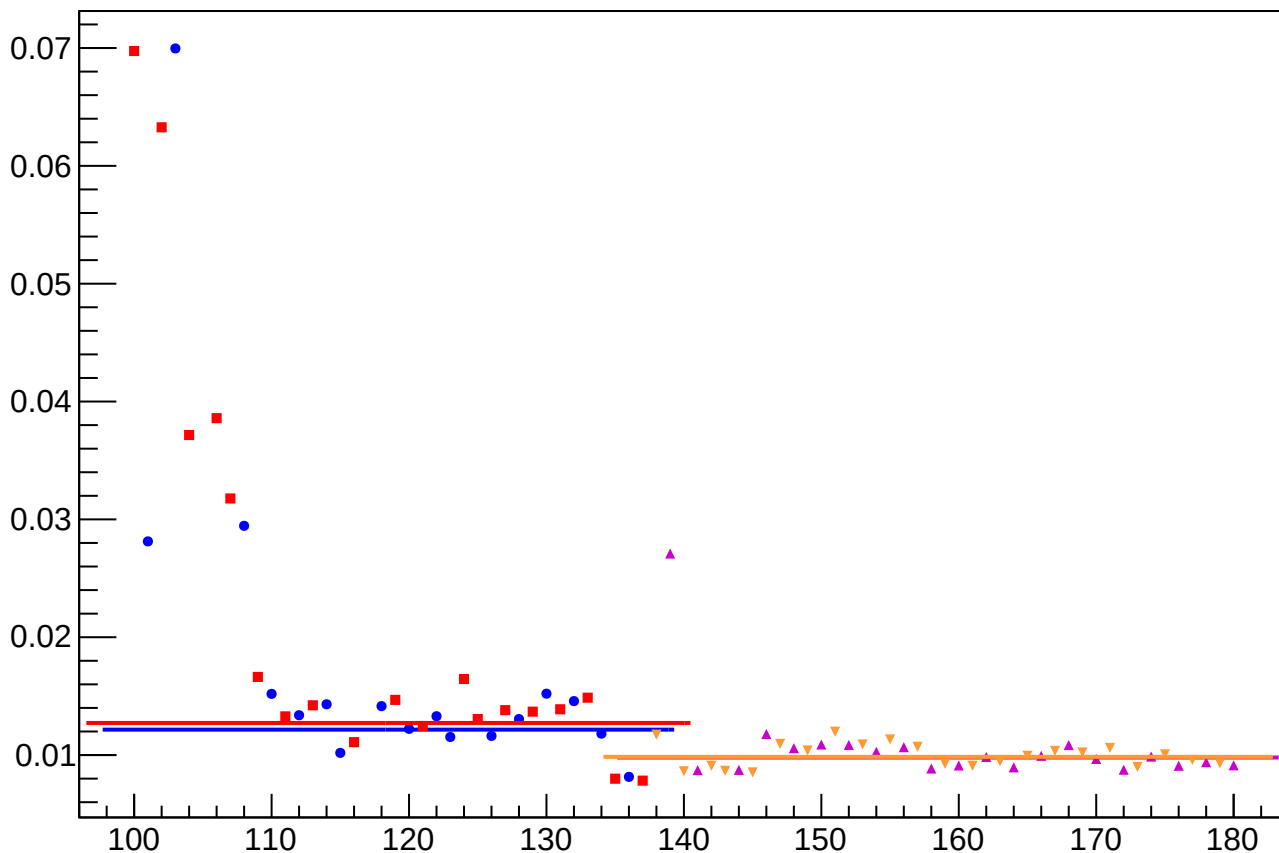
Left In: -0.434 ± 0.000 χ^2/NDF : 19964345.8/20

+ sign -0.408 ± 0.000 χ^2/NDF : 1593260769.7/38

All: -0.406 ± 0.000 χ^2/NDF : 3347491720.3/77

- sign -0.404 ± 0.000 χ^2/NDF : 1752763532.3/39

yield_bpm16X_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010 ± 0.000 χ^2/NDF : 255650.4/21

Right Out: 0.013 ± 0.000 χ^2/NDF : 1967397.9/18

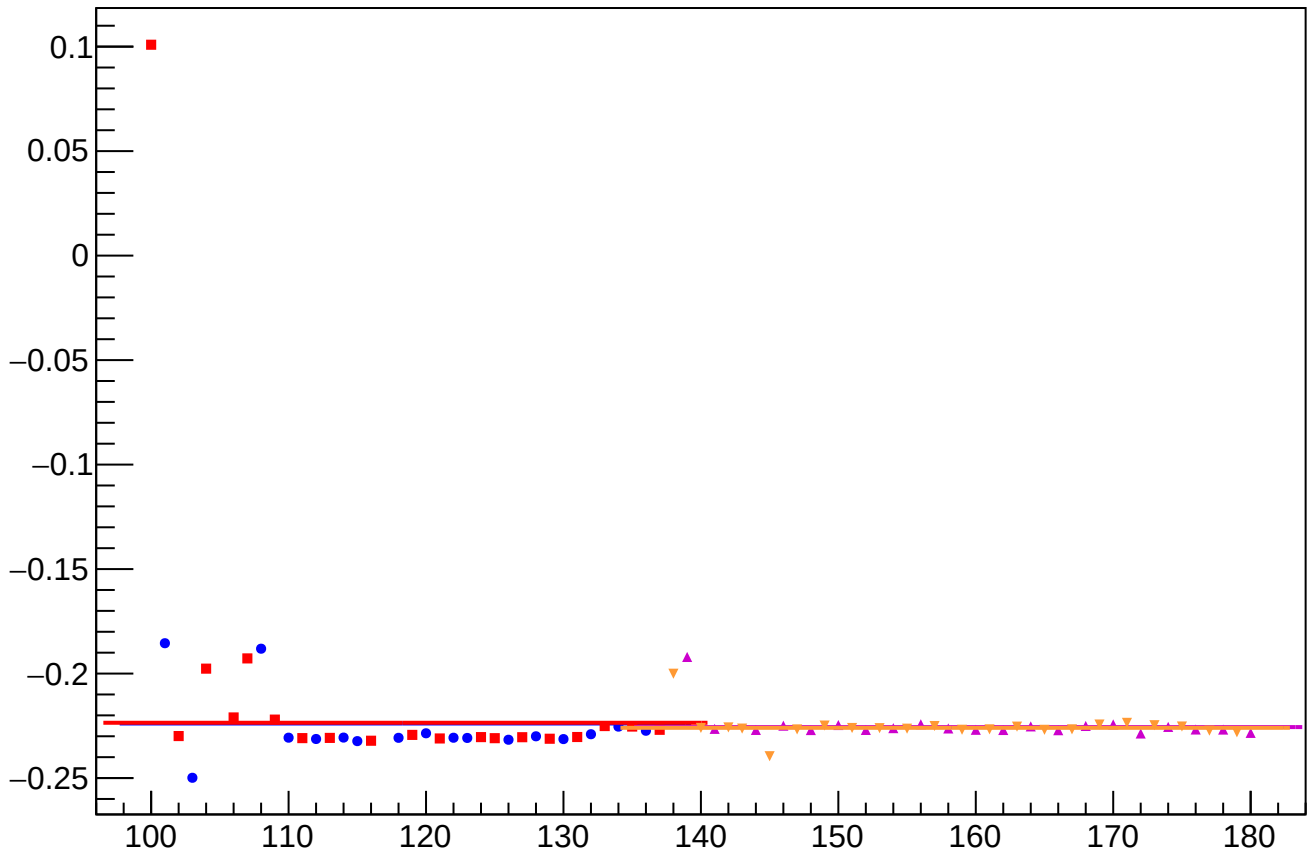
Left In: 0.010 ± 0.000 χ^2/NDF : 784848.7/20

+ sign 0.010 ± 0.000 χ^2/NDF : 2253991.5/38

All: 0.010 ± 0.000 χ^2/NDF : 5431648.6/78

- sign 0.010 ± 0.000 χ^2/NDF : 3177441.5/39

yield_bpm16Y_mean vs Slug



Right In: -0.224 ± 0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226 ± 0.000 χ^2/NDF : 21092317.4/21

+ sign -0.225 ± 0.000 χ^2/NDF : 96493340.1/38

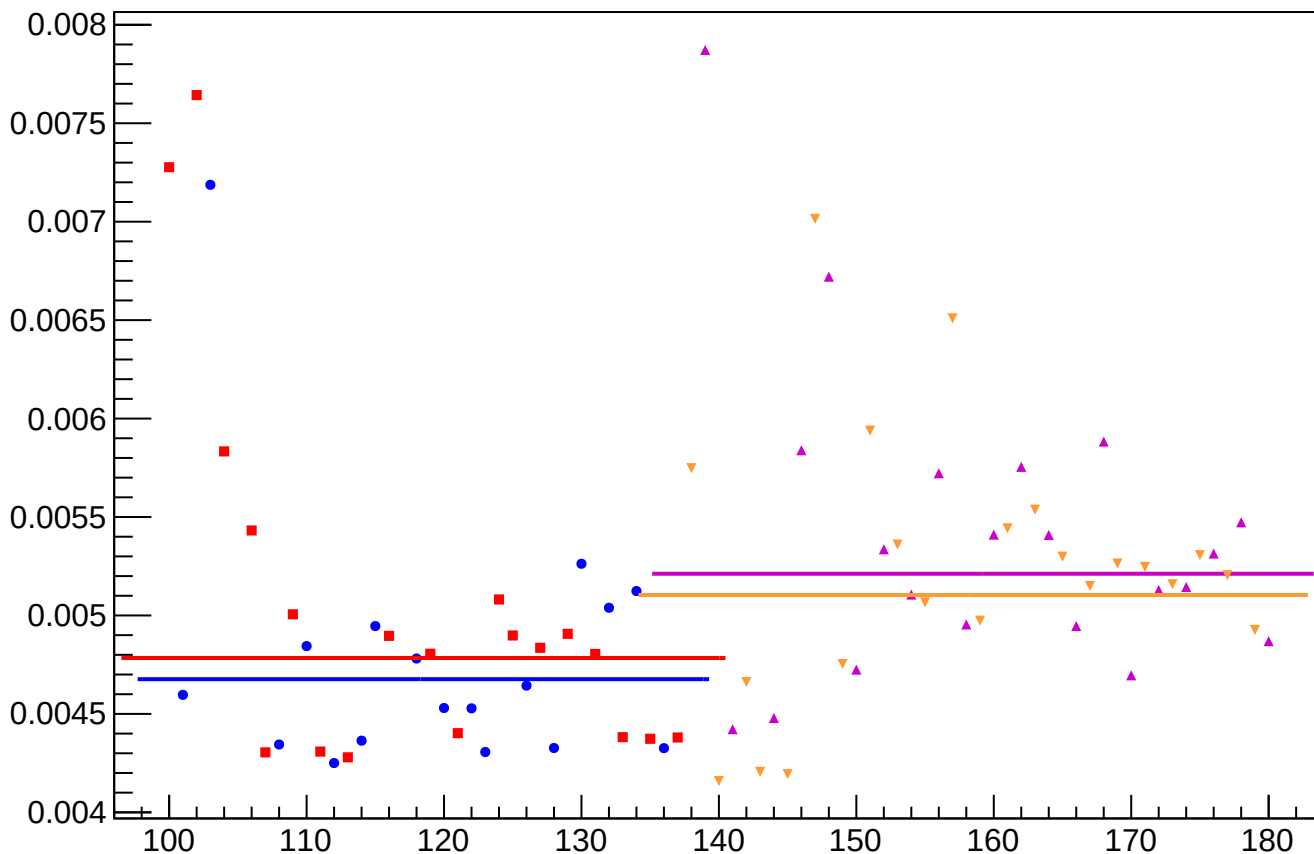
Right Out: -0.224 ± 0.000 χ^2/NDF : 168124199.3/18

All: -0.225 ± 0.000 χ^2/NDF : 279046066.8/78

- sign -0.225 ± 0.000 χ^2/NDF : 182493102.9/39

Left In: -0.226 ± 0.000 χ^2/NDF : 13573084.7/20

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 457659.1/21

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

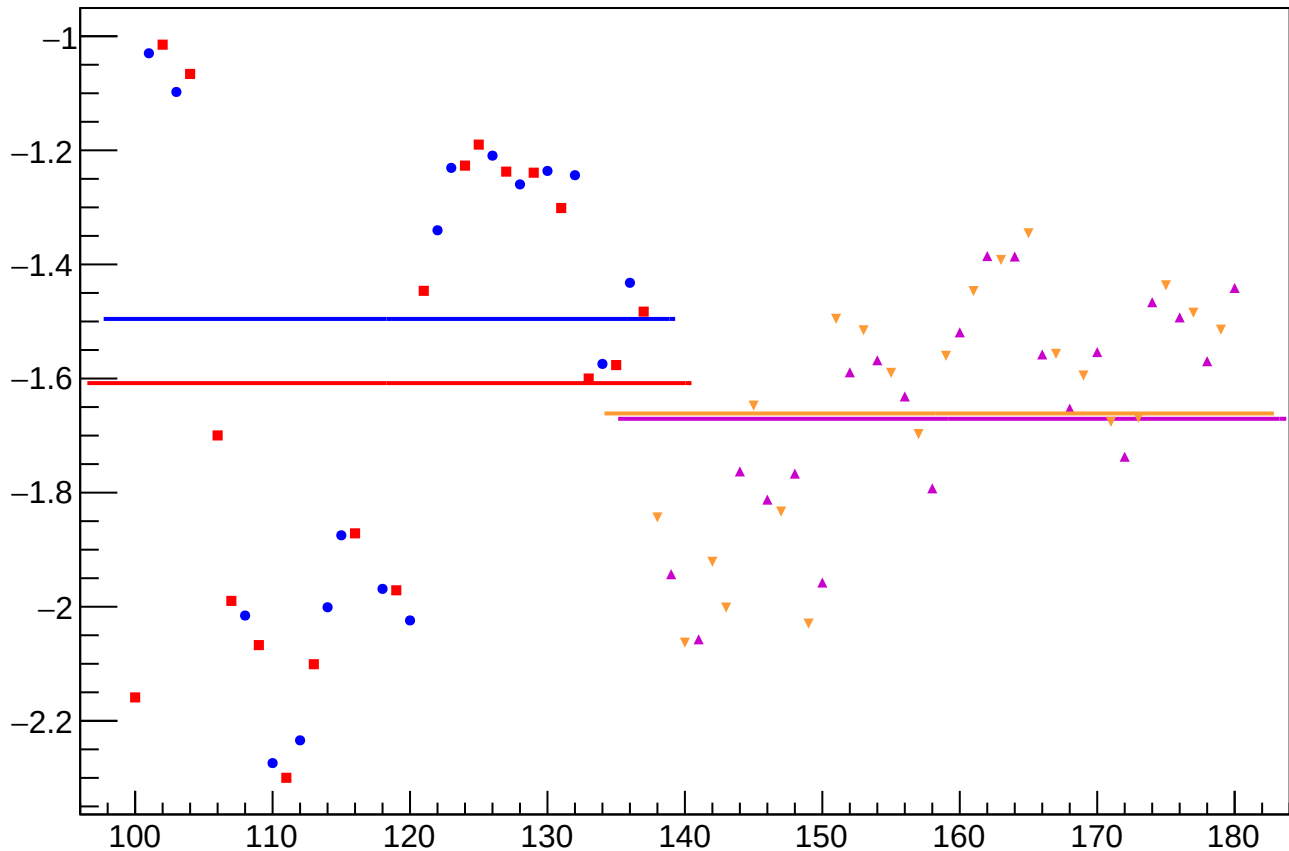
Left In: 0.005+/-0.000 χ^2/NDF : 449354.5/20

+ sign 0.005+/-0.000 χ^2/NDF : 707021.5/38

All: 0.005+/-0.000 χ^2/NDF : 1482015.5/78

- sign 0.005+/-0.000 χ^2/NDF : 766166.0/39

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.661+/-0.000 χ^2/NDF : 17910935958.1/21

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

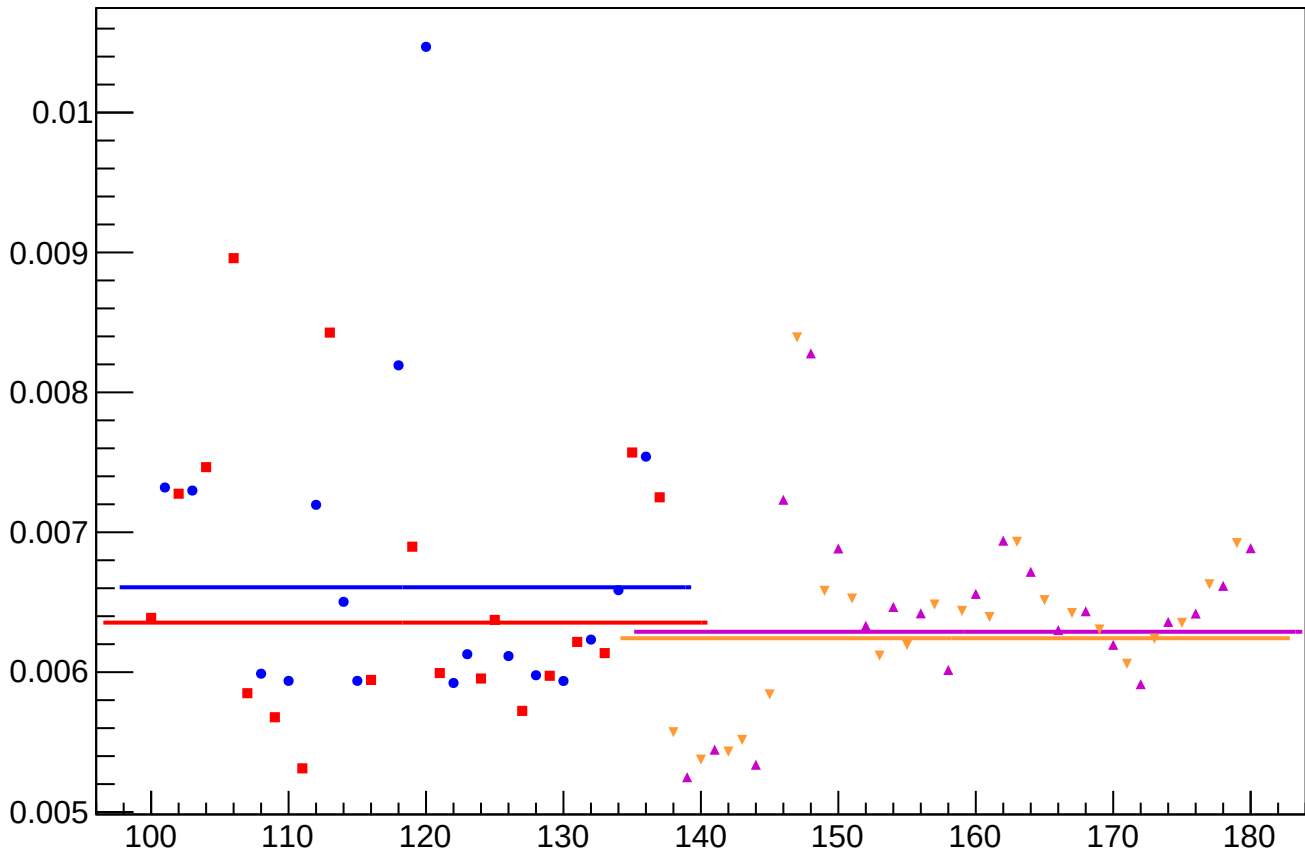
Left In: -1.671+/-0.000 χ^2/NDF : 14449246747.6/20

+ sign -1.619+/-0.000 χ^2/NDF : 43255919645.7/38

All: -1.636+/-0.000 χ^2/NDF : 86314478818.5

- sign -1.652+/-0.000 χ^2/NDF : 42753179228.4/39

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF : 252351.8/21

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

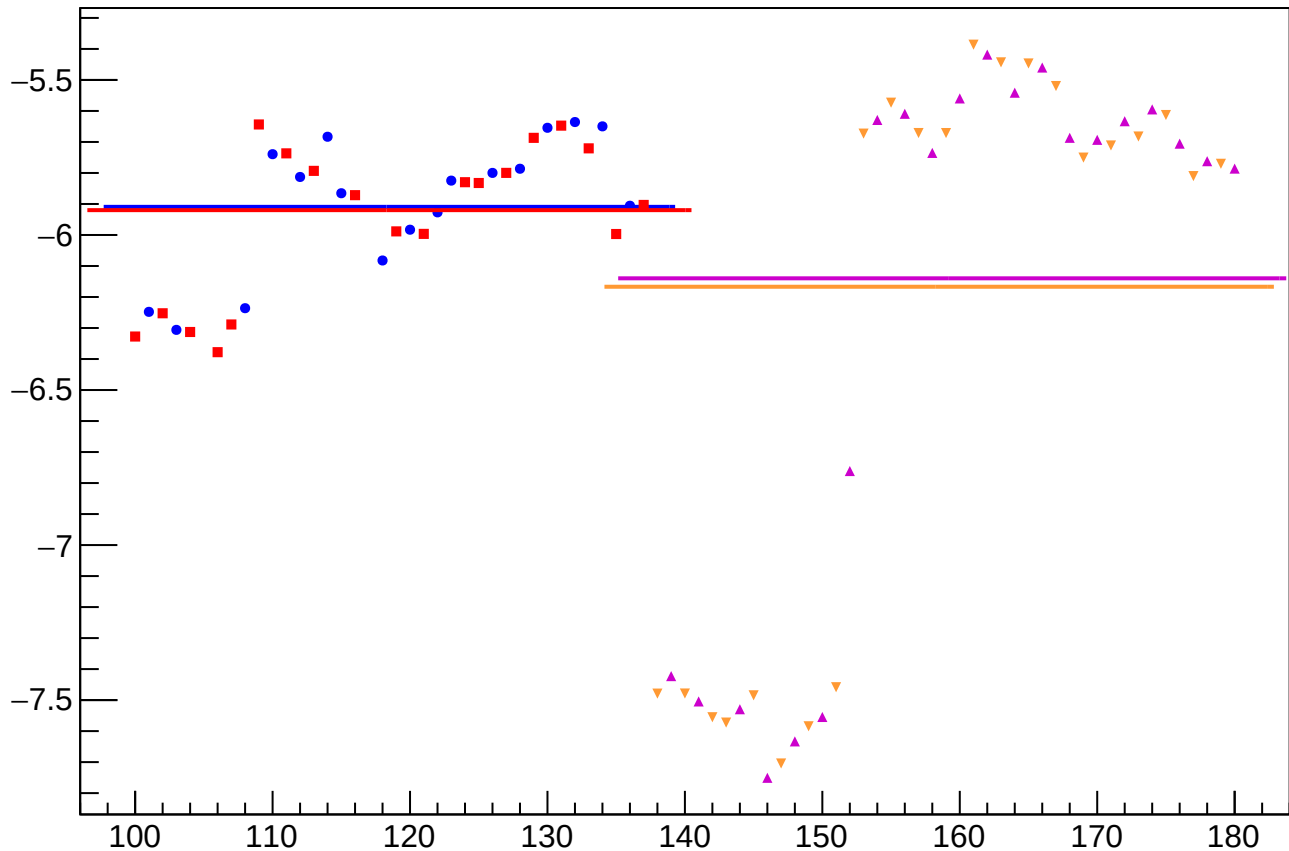
Left In: 0.006+/-0.000 χ^2/NDF : 315365.5/20

+ sign 0.006+/-0.000 χ^2/NDF : 481096.4/38

All: 0.006+/-0.000 χ^2/NDF : 1025158.0/78

- sign 0.006+/-0.000 χ^2/NDF : 543640.3/39

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.167+/-0.000 χ^2/NDF : 180644584592.4/21

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

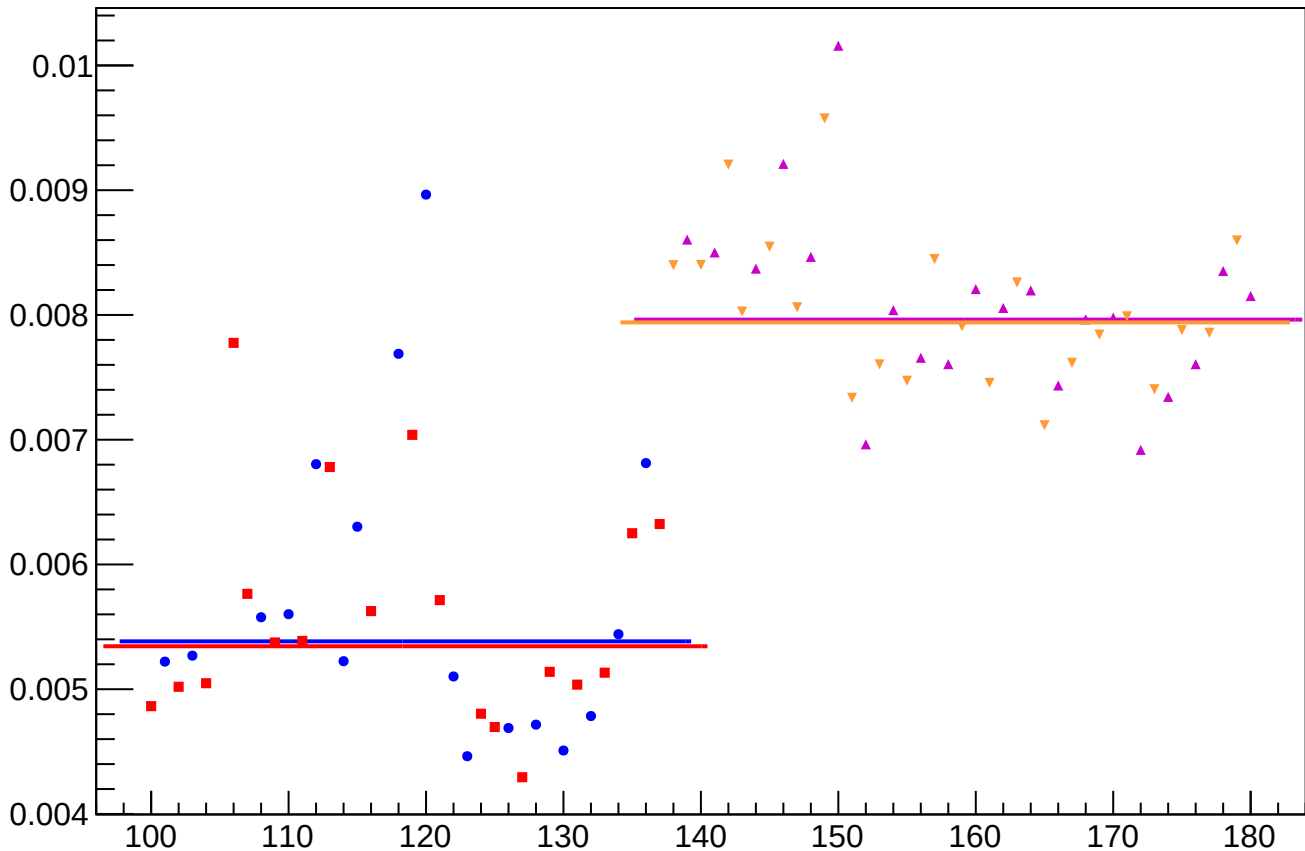
Left In: -6.140+/-0.000 χ^2/NDF : 158255402062.4/20

+ sign -6.049+/-0.000 χ^2/NDF : 199025323919.5/38

All: -6.041+/-0.000 χ^2/NDF : 375672133084.2

- sign -6.033+/-0.000 χ^2/NDF : 176594230016.2/39

yield_bpm0l01Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 347627.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:133086.4/21

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 244700.0/18

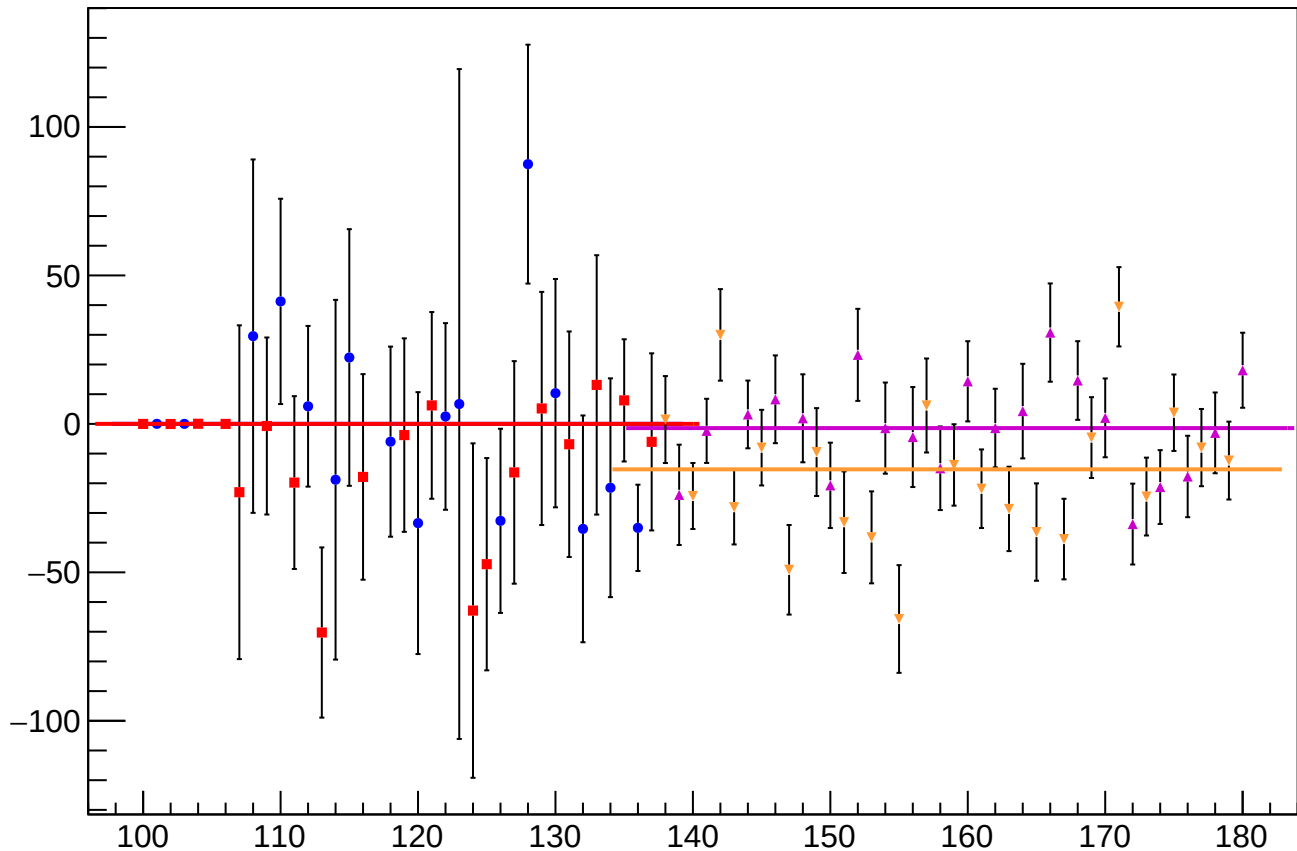
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:207791.1/20

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1909032.8/38

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3939178.7/78

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2027849.1/39

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -15.308 ± 2.978 χ^2/NDF : 56.2/21

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.3/18

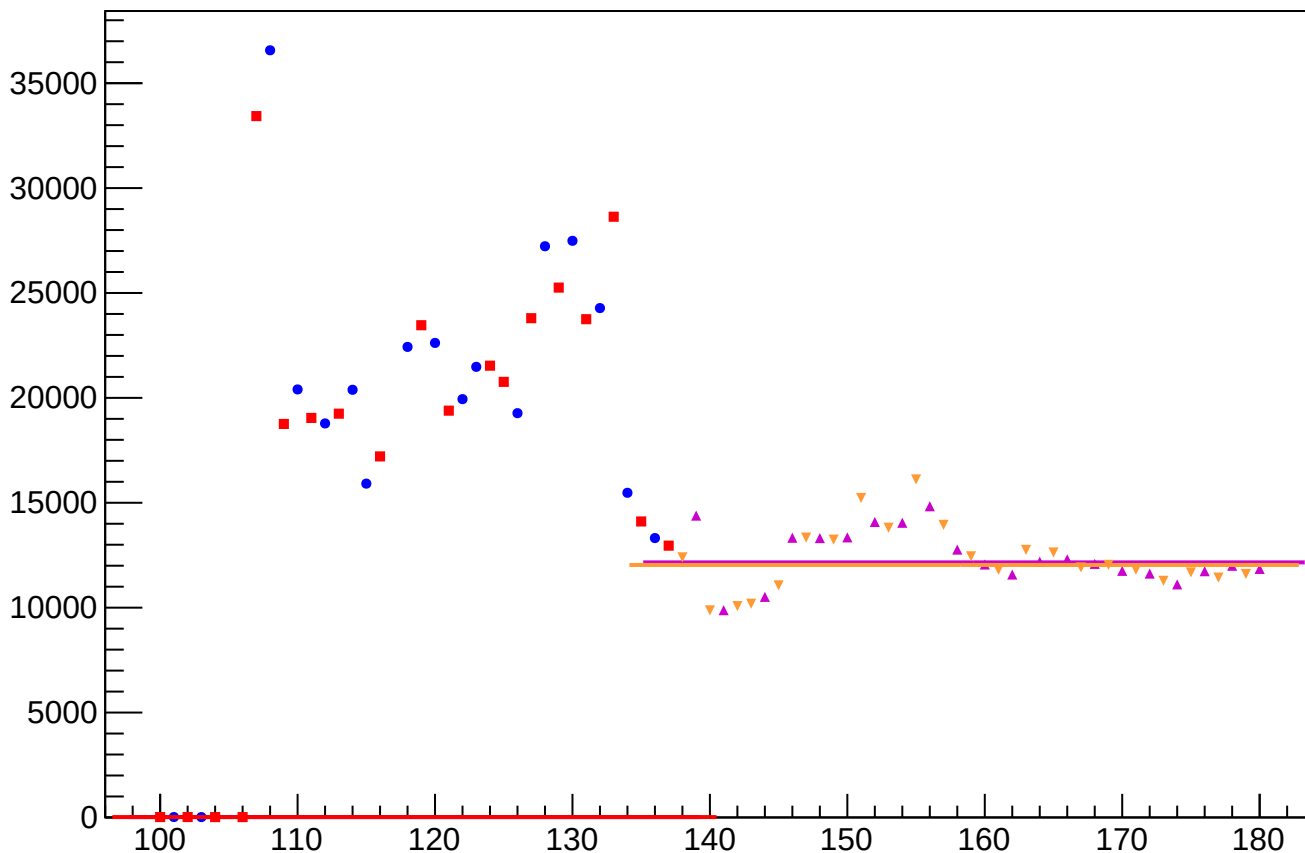
Left In: -1.421 ± 3.019 χ^2/NDF : 26.5/20

+ sign 0.013 ± 0.017 χ^2/NDF : 98.5/38

All: 0.008 ± 0.012 χ^2/NDF : 140.7/78

- sign 0.003 ± 0.016 χ^2/NDF : 42.0/39

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 10841561.4/16

Left Out: 12035.489 $\pm$ 2.106 χ^2 /NDF: 444212.1/21

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11103320.8/18

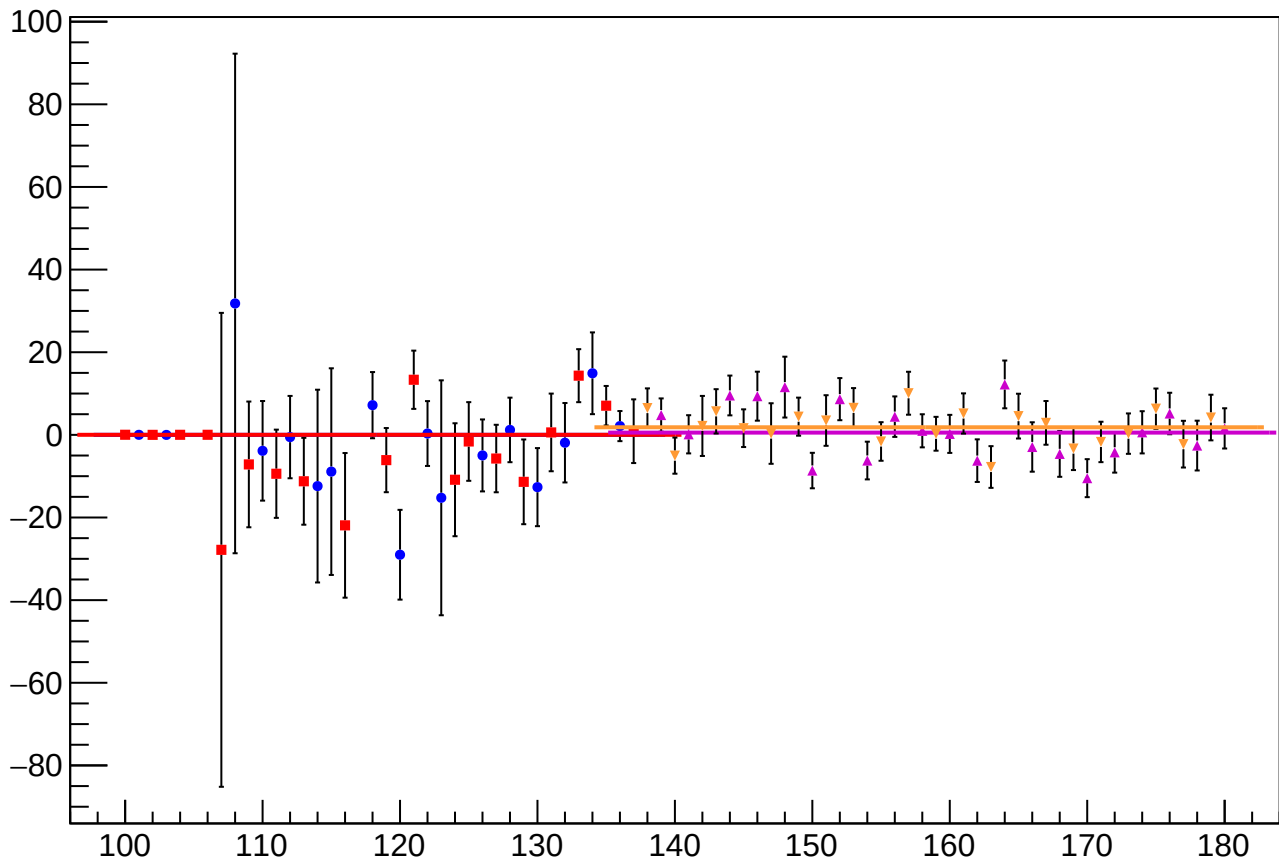
Left In: 12158.701 $\pm$ 2.135 χ^2 /NDF: 345951.8/20

+ sign 19.048 $\pm$ 0.012 χ^2 /NDF: 43850059.8/38

All: 18.837 $\pm$ 0.008 χ^2 /NDF: 87639964.5/78

- sign 18.655 $\pm$ 0.011 χ^2 /NDF: 43789353.3/39

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 1.836 $\pm$ 1.082 χ^2 /NDF:16.1/21

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

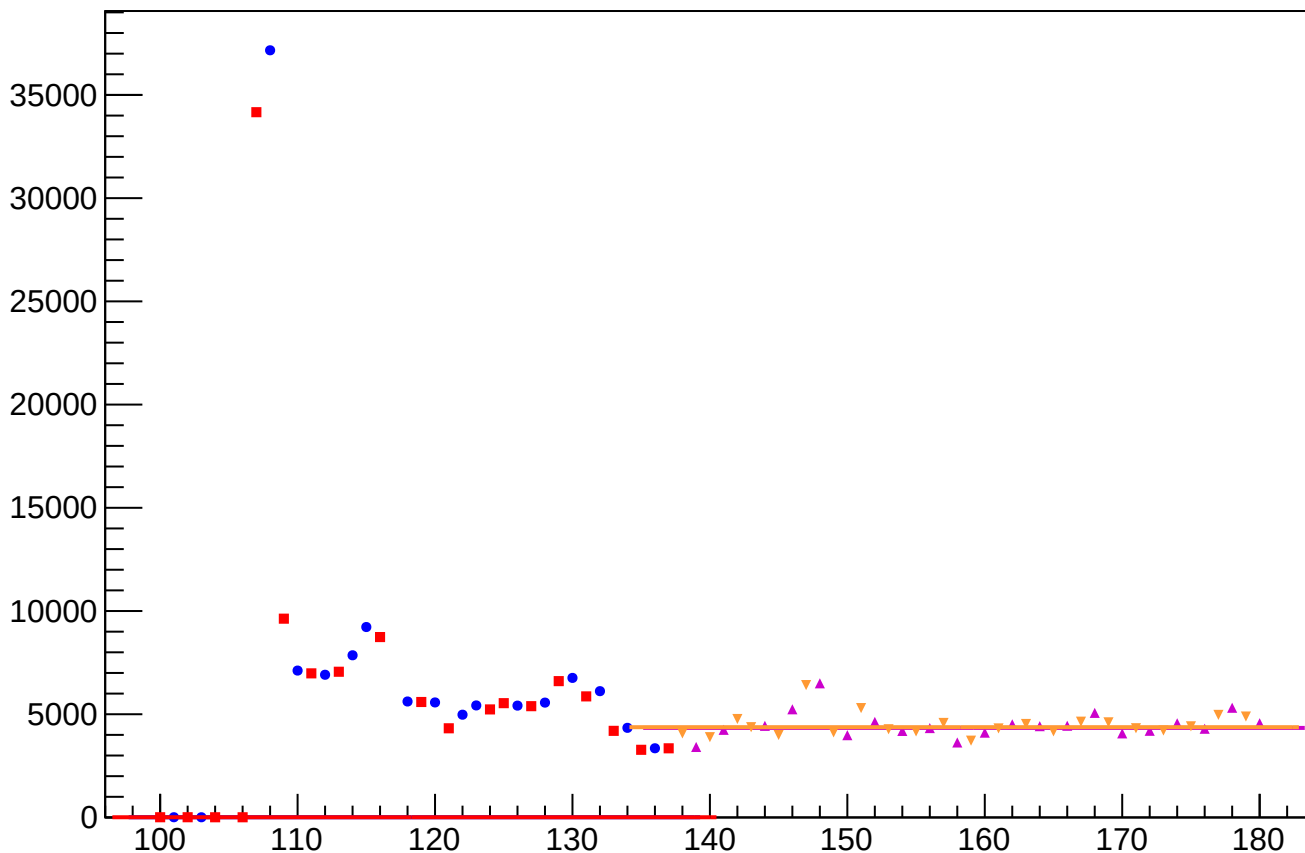
Left In: 0.546 $\pm$ 1.082 χ^2 /NDF:33.8/20

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 33.9/38

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 87.5/78

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 52.5/39

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4372.345+/-0.765 χ^2/NDF : 374093.6/21

Right Out: 9.854+/-0.006 χ^2/NDF : 11152667.7/18

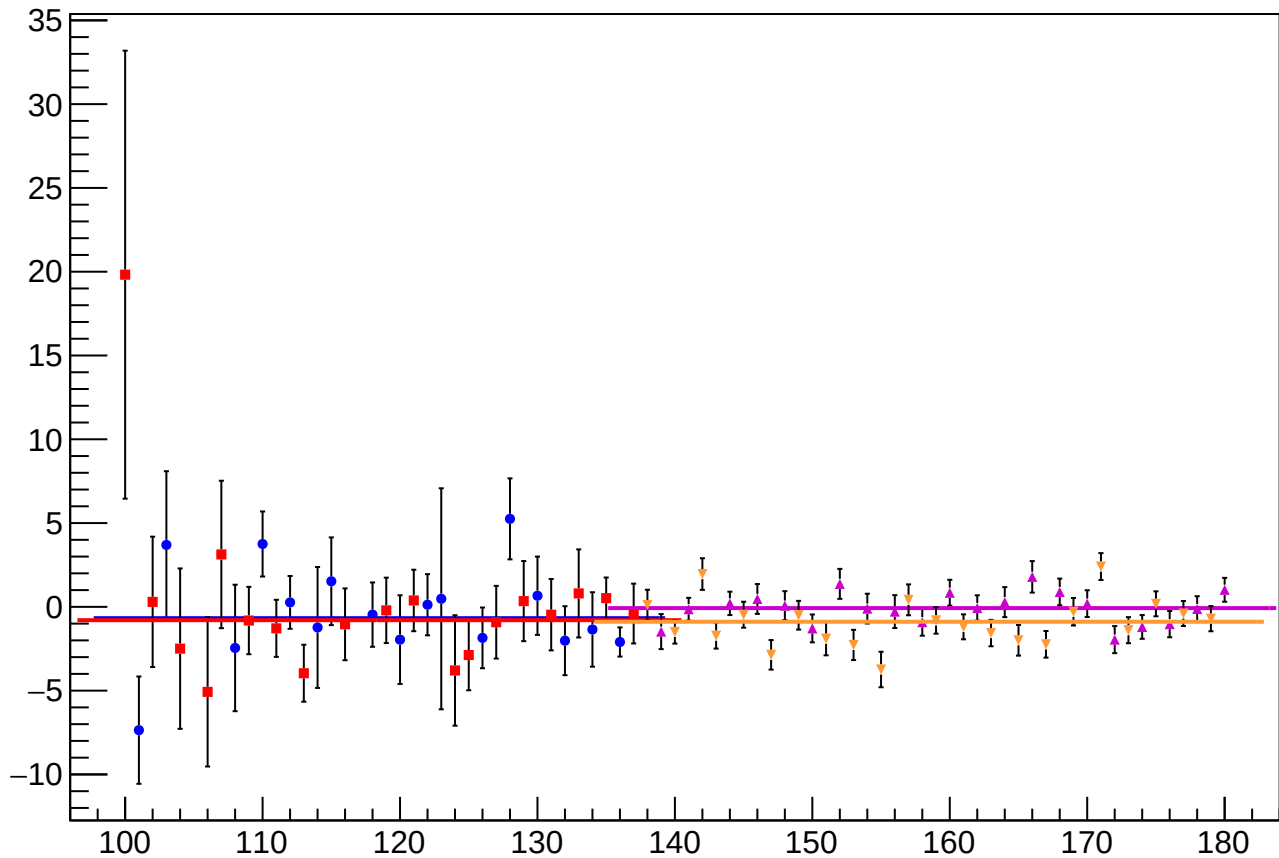
Left In: 4337.216+/-0.765 χ^2/NDF : 521149.5/20

+ sign 10.254+/-0.007 χ^2/NDF : 43872339.7/38

All: 10.189+/-0.004 χ^2/NDF : 87559672.2/78

- sign 10.131+/-0.006 χ^2/NDF : 43687144.1/39

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.888 ± 0.175 χ^2/NDF : 56.0/21

Right Out: -0.795 ± 0.501 χ^2/NDF : 12.0/18

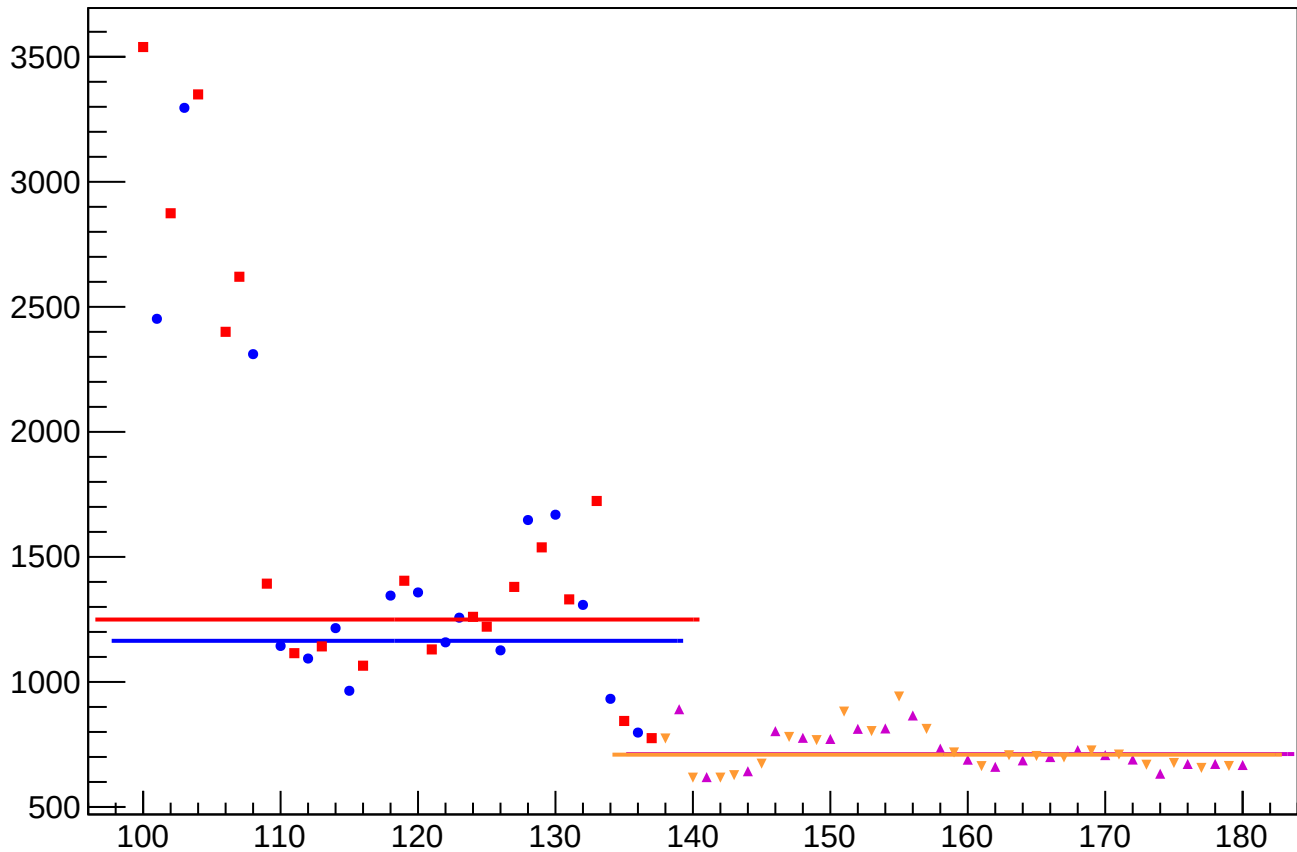
Left In: -0.075 ± 0.177 χ^2/NDF : 27.1/20

+ sign -0.863 ± 0.165 χ^2/NDF : 78.4/38

All: -0.513 ± 0.117 χ^2/NDF : 128.5/78

- sign -0.154 ± 0.167 χ^2/NDF : 40.9/39

diff_cav4cX_rms vs Slug



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 709.276+/-0.124 χ^2/NDF : 352575.7/21

+ sign 761.981+/-0.116 χ^2/NDF : 3500008.4/38

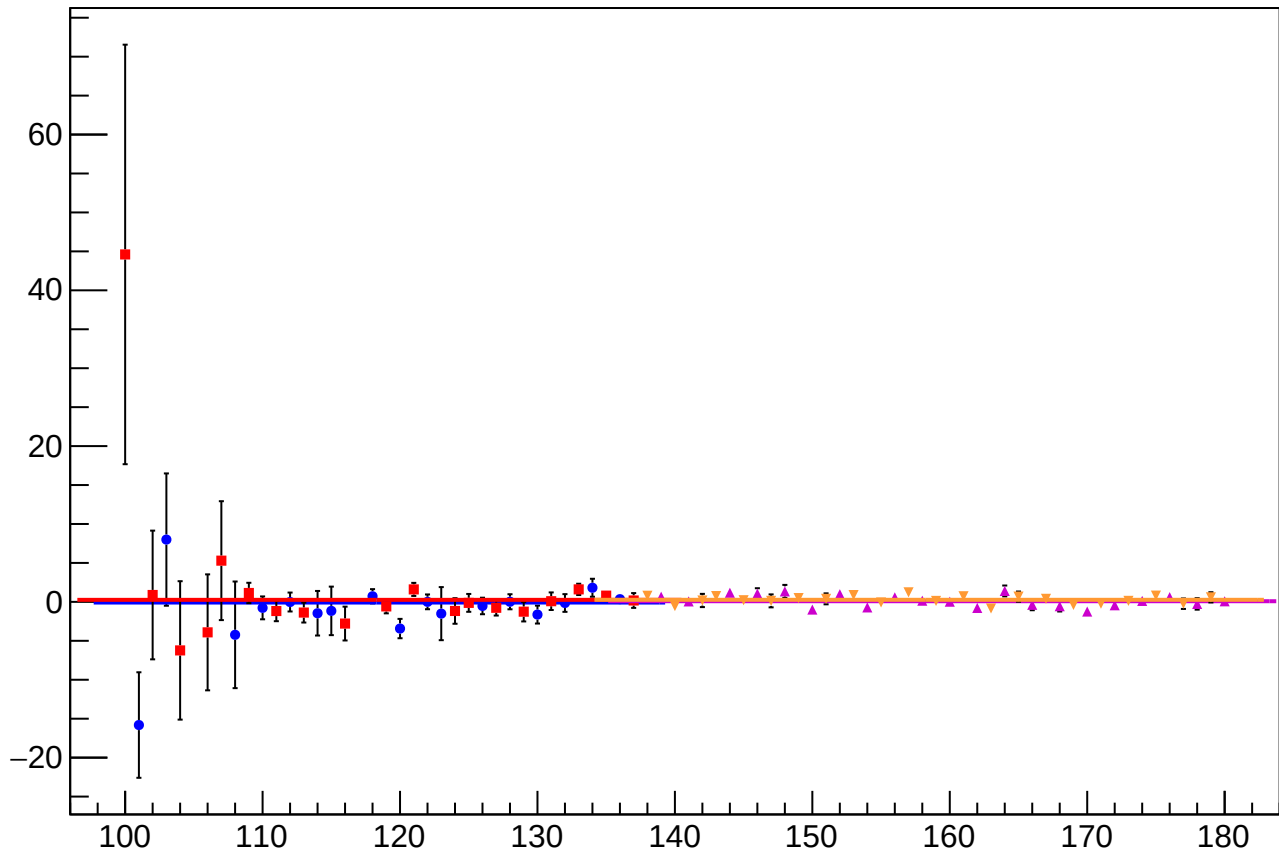
Right Out: 1249.596+/-0.354 χ^2/NDF : 1650133.1/18

All: 766.434+/-0.083 χ^2/NDF : 7521112.6/78

Left In: 711.601+/-0.125 χ^2/NDF : 318688.9/20

- sign 770.984+/-0.118 χ^2/NDF : 4018150.5/39

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.264 ± 0.130 χ^2/NDF : 15.8/21

Right Out: 0.259 ± 0.264 χ^2/NDF : 20.4/18

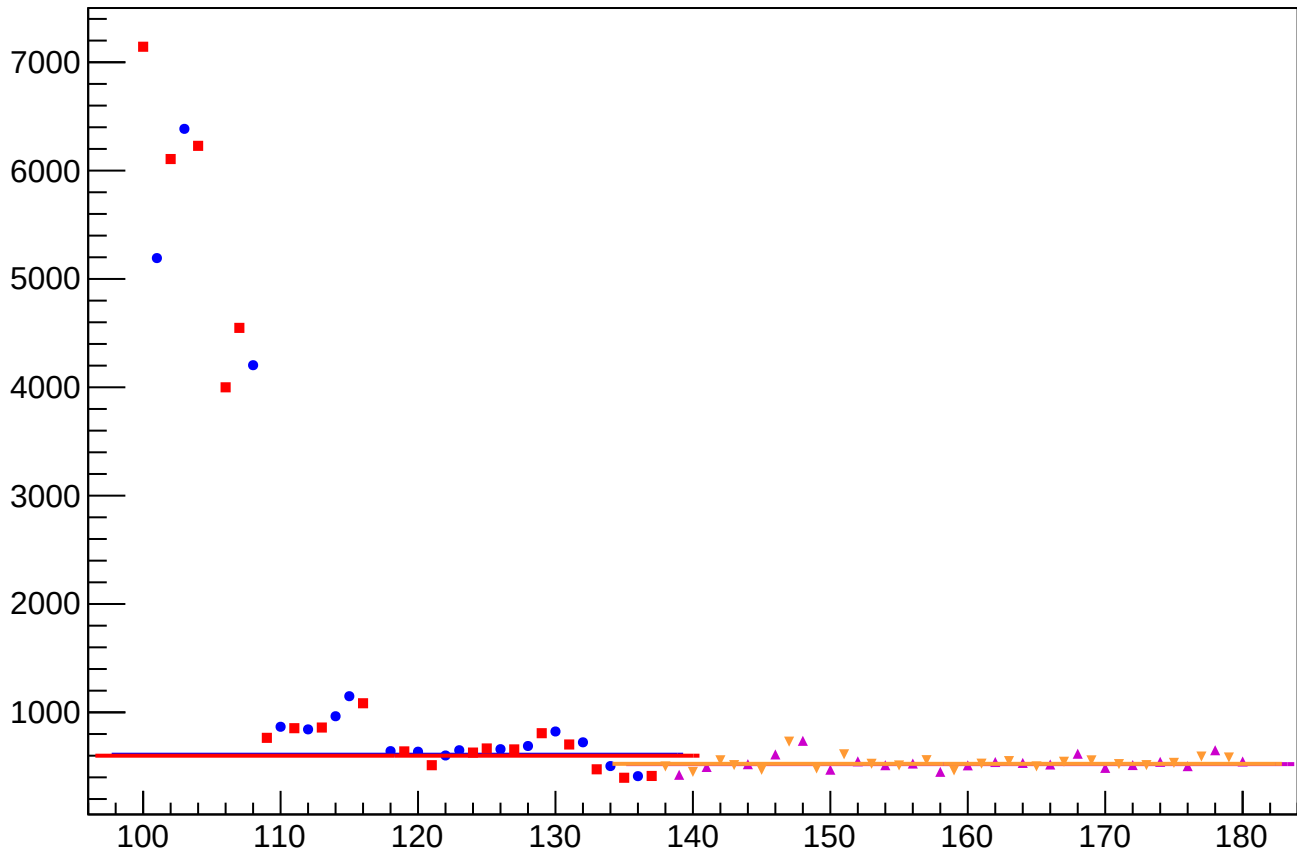
Left In: 0.083 ± 0.130 χ^2/NDF : 33.2/20

+ sign 0.198 ± 0.117 χ^2/NDF : 38.2/38

All: 0.158 ± 0.083 χ^2/NDF : 92.4/78

- sign 0.118 ± 0.117 χ^2/NDF : 54.0/39

diff_cav4cY_rms vs Slug



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 524.844 $\pm$ 0.092 χ^2 /NDF:322112.9/21

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

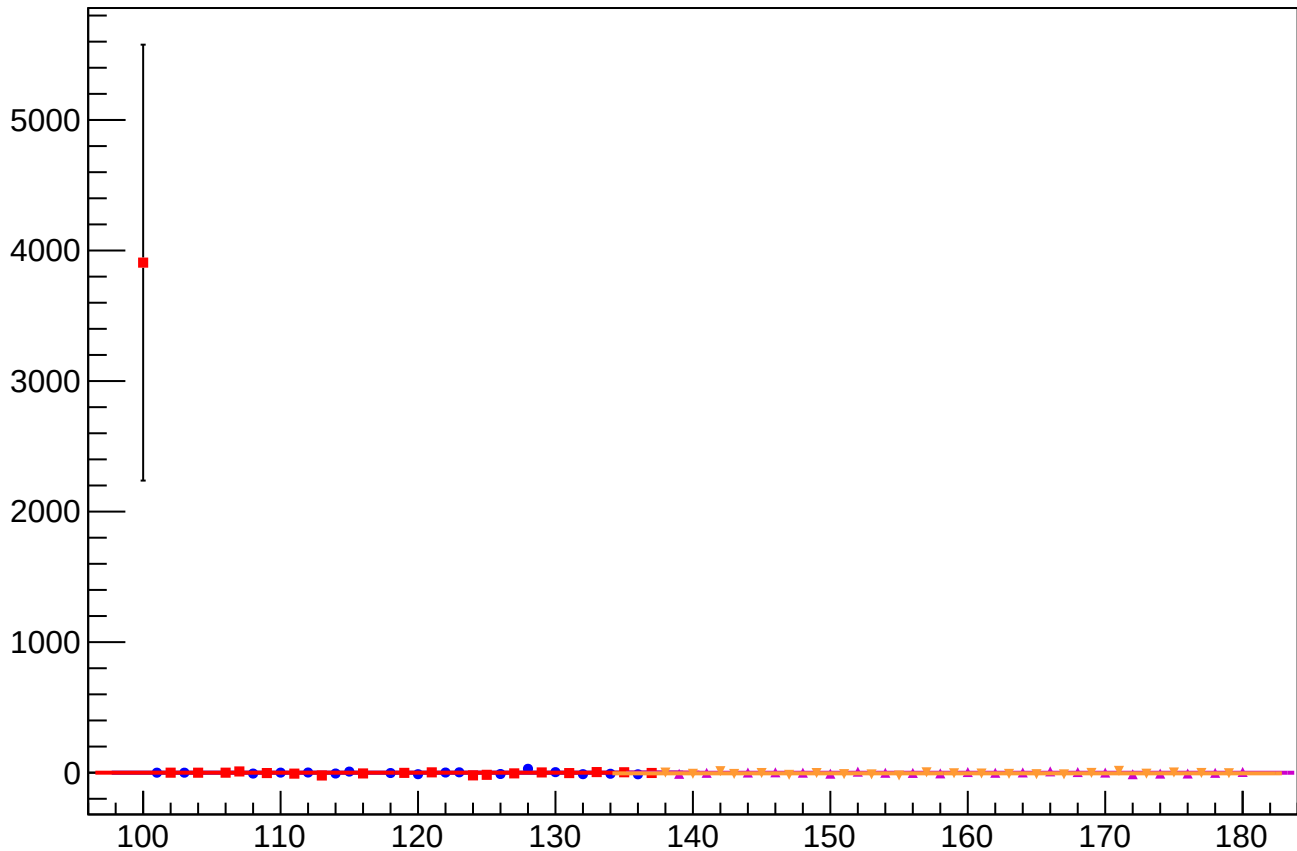
Left In: 522.135 $\pm$ 0.092 χ^2 /NDF:434738.3/20

+ sign 540.613 $\pm$ 0.083 χ^2 /NDF: 3619123.3/38

All: 538.944 $\pm$ 0.058 χ^2 /NDF: 7741693.2/78

- sign 537.283 $\pm$ 0.082 χ^2 /NDF: 4121756.9/39

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -5.135 ± 1.020 χ^2/NDF : 55.8/21

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.3/18

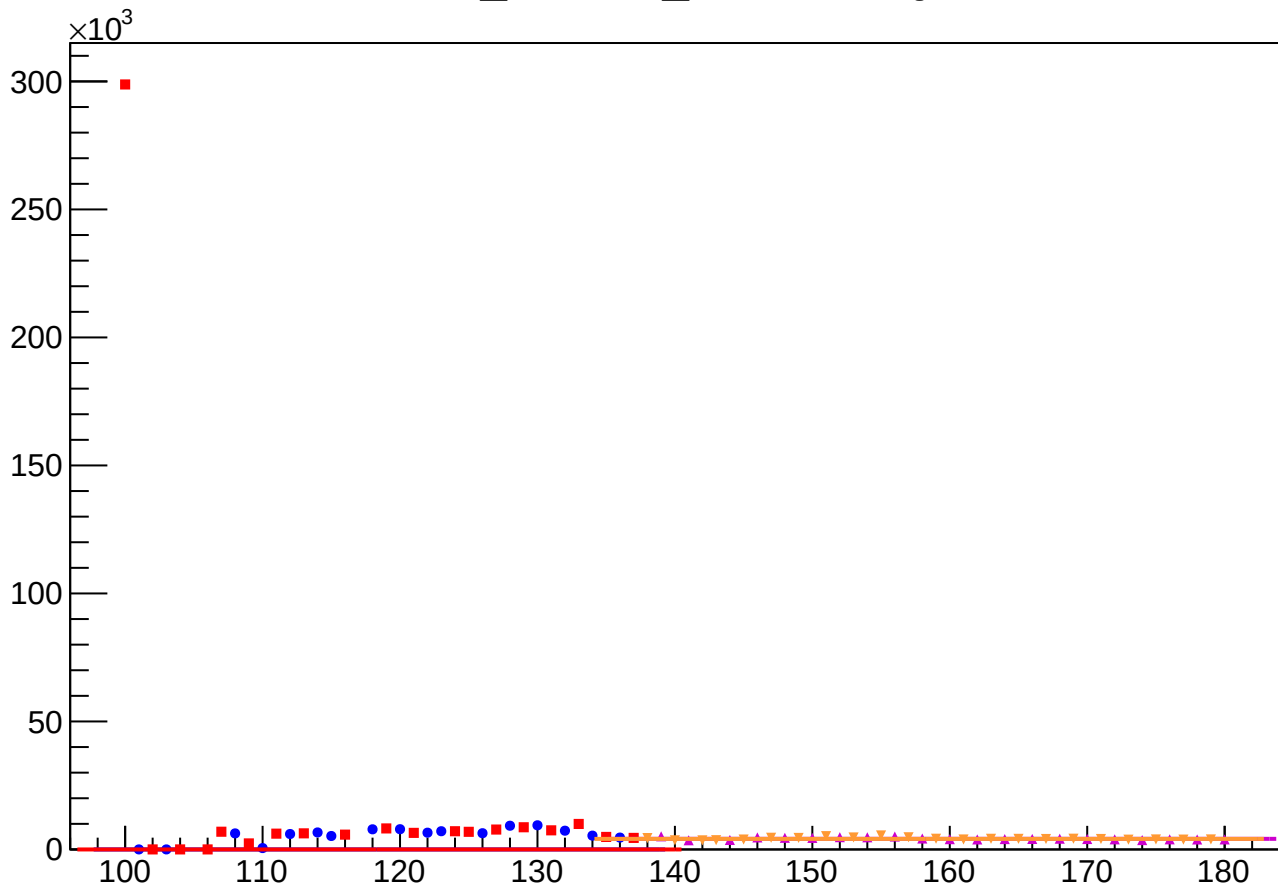
Left In: -0.503 ± 1.029 χ^2/NDF : 27.1/20

+ sign -0.024 ± 0.021 χ^2/NDF : 96.2/38

All: -0.025 ± 0.014 χ^2/NDF : 140.8/78

- sign -0.027 ± 0.020 χ^2/NDF : 44.6/39

diff_cav4dX_rms vs Slug



Right In: 17.337 ± 0.015 χ^2/NDF : 10359409.4/16

Left Out: 4128.354 ± 0.721 χ^2/NDF : 370659.7/21

Right Out: 17.268 ± 0.014 χ^2/NDF : 10813350.8/18

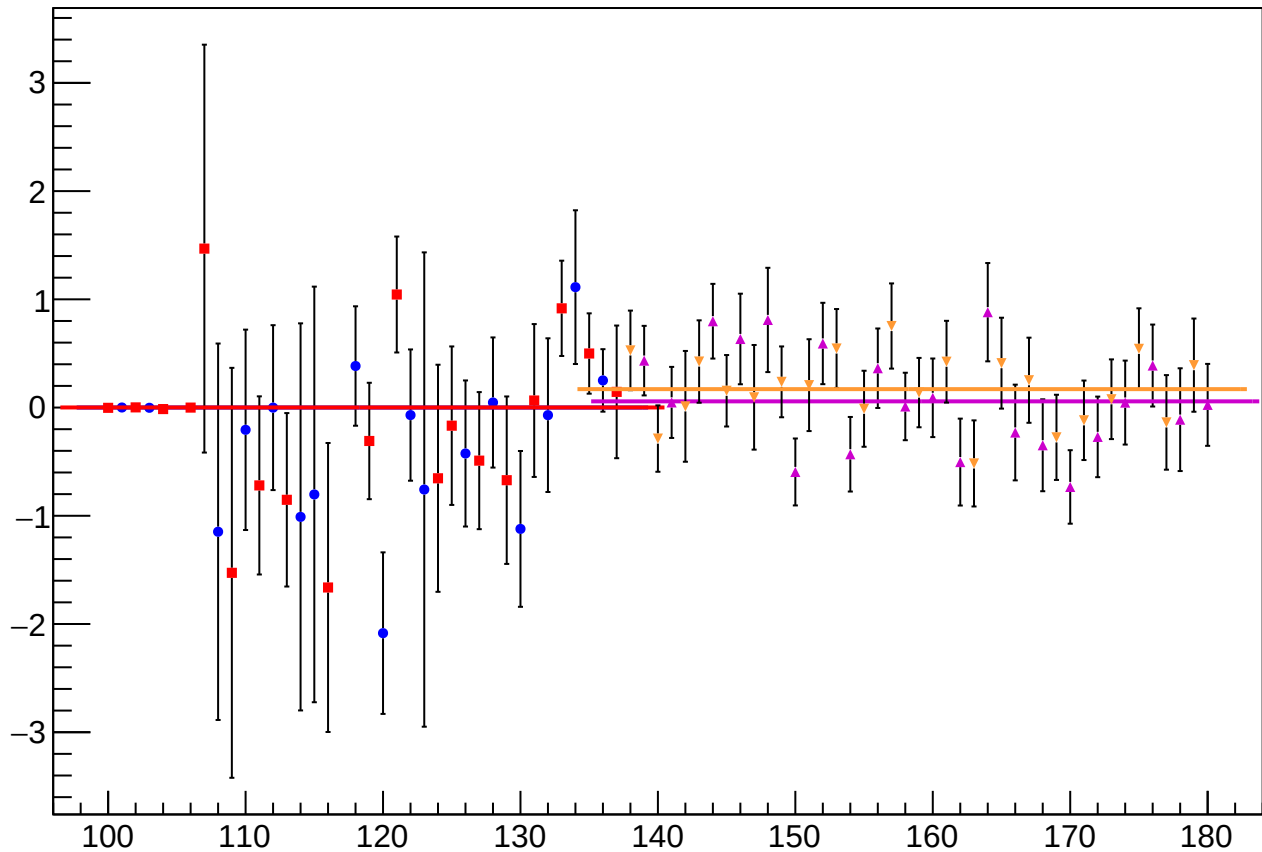
Left In: 4146.879 ± 0.728 χ^2/NDF : 326892.8/20

+ sign 19.045 ± 0.015 χ^2/NDF : 43201631.2/38

All: 18.912 ± 0.010 χ^2/NDF : 86533741.0/78

- sign 18.793 ± 0.014 χ^2/NDF : 43331955.6/39

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.170 ± 0.081 χ^2/NDF : 14.8/21

Right Out: 0.001 ± 0.002 χ^2/NDF : 17.8/18

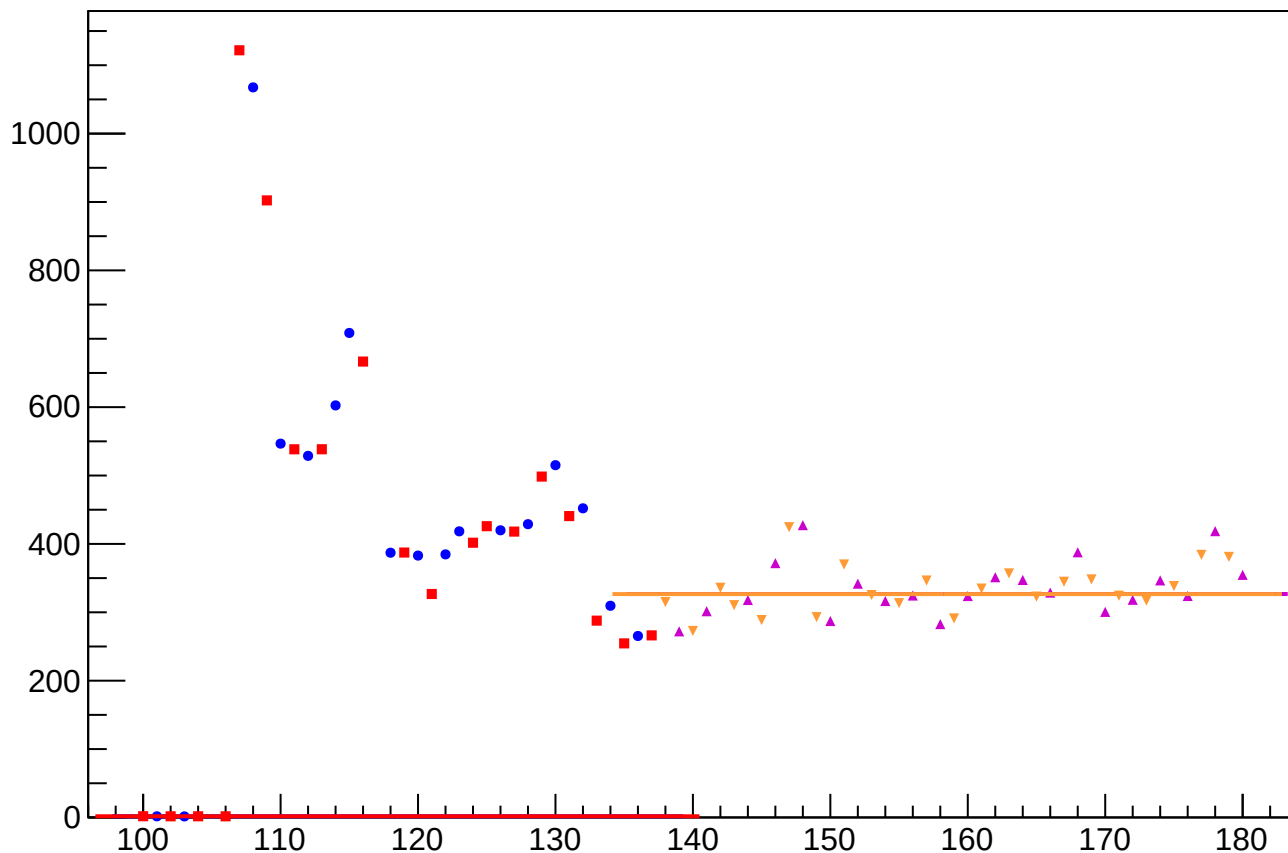
Left In: 0.057 ± 0.081 χ^2/NDF : 33.2/20

+ sign 0.000 ± 0.002 χ^2/NDF : 34.9/38

All: 0.001 ± 0.001 χ^2/NDF : 86.4/78

- sign 0.001 ± 0.002 χ^2/NDF : 51.5/39

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 326.620+/-0.057 χ^2/NDF : 343630.7/21

Right Out: 1.728+/-0.001 χ^2/NDF : 10736674.8/18

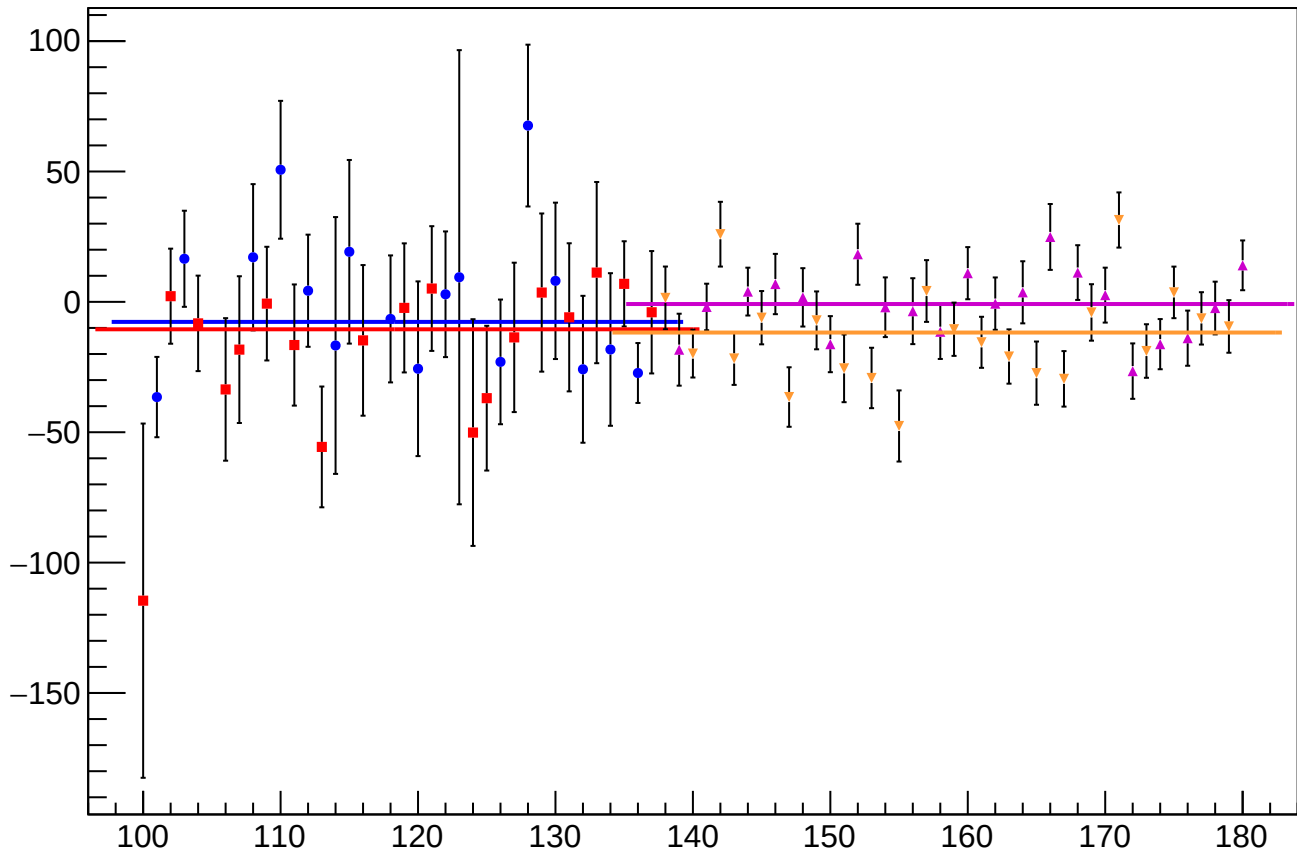
Left In: 326.749+/-0.057 χ^2/NDF : 416102.8/20

+ sign 1.903+/-0.001 χ^2/NDF : 43620824.4/38

All: 1.908+/-0.001 χ^2/NDF : 86708363.5/78

- sign 1.913+/-0.001 χ^2/NDF : 43087512.2/39

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -11.765 ± 2.306 χ^2/NDF : 55.2/21

Right Out: -10.524 ± 5.682 χ^2/NDF : 11.9/18

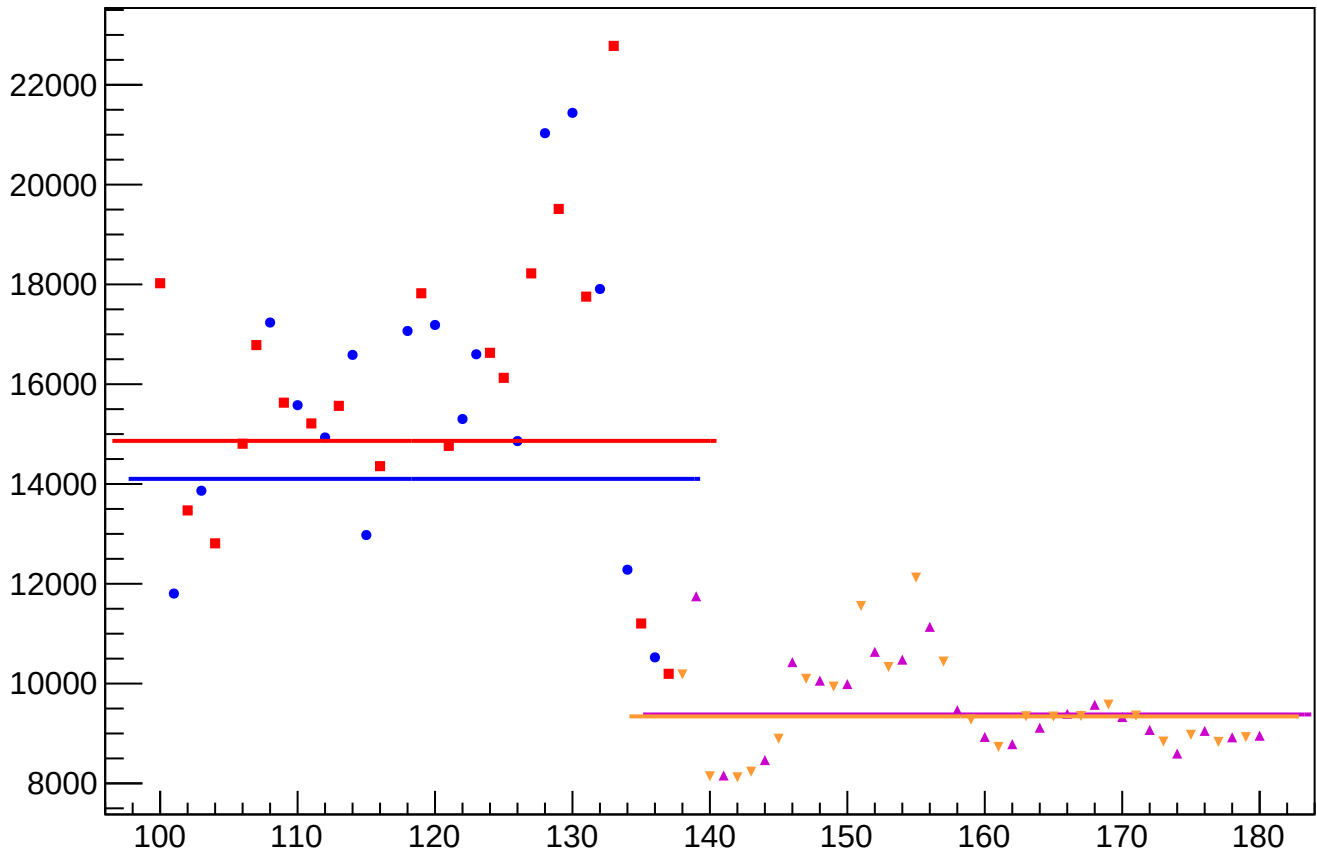
Left In: -0.831 ± 2.326 χ^2/NDF : 27.7/20

+ sign -11.178 ± 2.134 χ^2/NDF : 78.0/38

All: -6.739 ± 1.515 χ^2/NDF : 128.8/78

- sign -2.222 ± 2.152 χ^2/NDF : 42.1/39

diff_bpm4aX_rms vs Slug



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9342.193 $\pm$ 1.630 χ^2 /NDF:303779.4/21

+ sign 10026.560 $\pm$ 1.509 χ^2 /NDF: 2128206.9/38

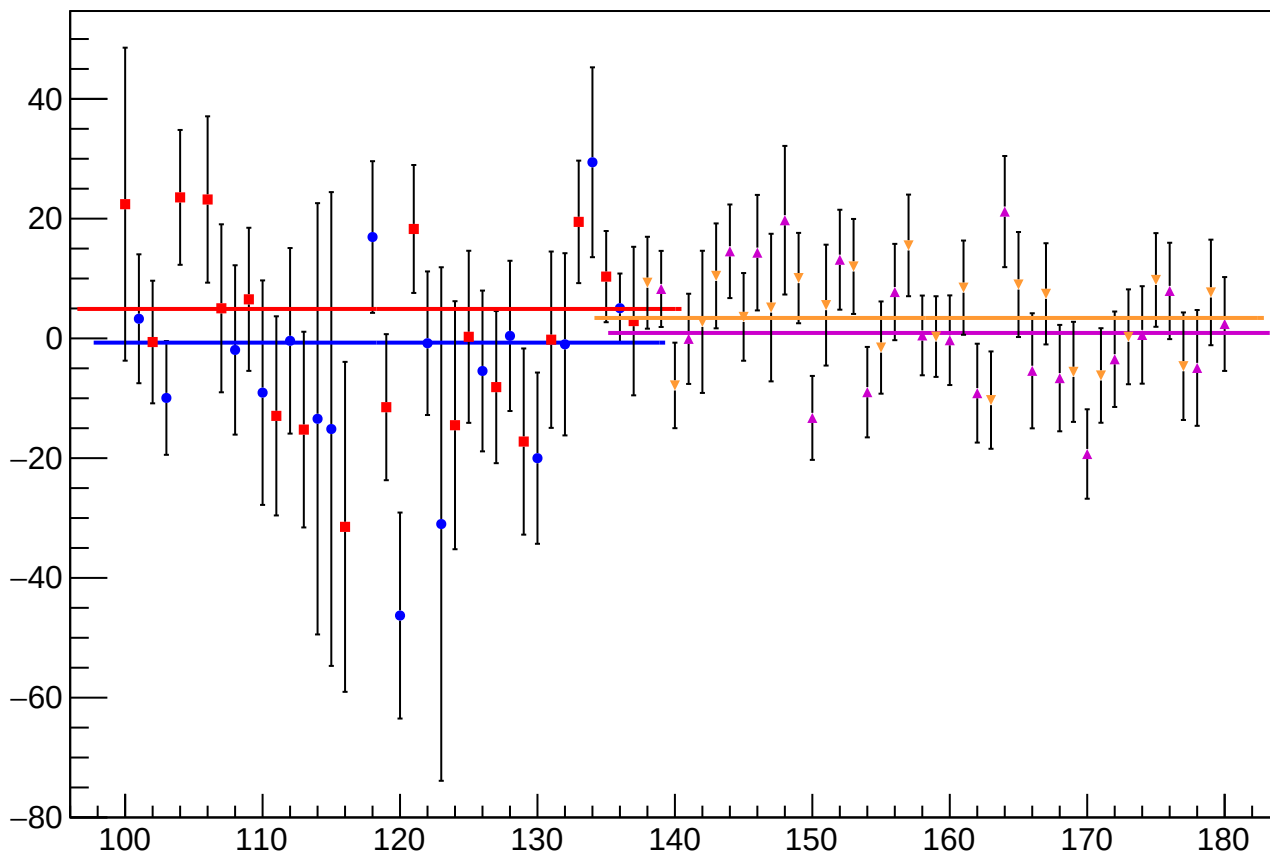
Right Out: 14864.163 $\pm$ 4.018 χ^2 /NDF: 470280.3/18

All: 10096.461 $\pm$ 1.072 χ^2 /NDF: 4462685.2/7

Left In: 9380.744 $\pm$ 1.645 χ^2 /NDF:264643.9/20

- sign 10167.602 $\pm$ 1.522 χ^2 /NDF: 2330147.0/39

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 3.414 ± 1.756 χ^2/NDF : 16.8/21

Right Out: 4.918 ± 2.940 χ^2/NDF : 19.8/18

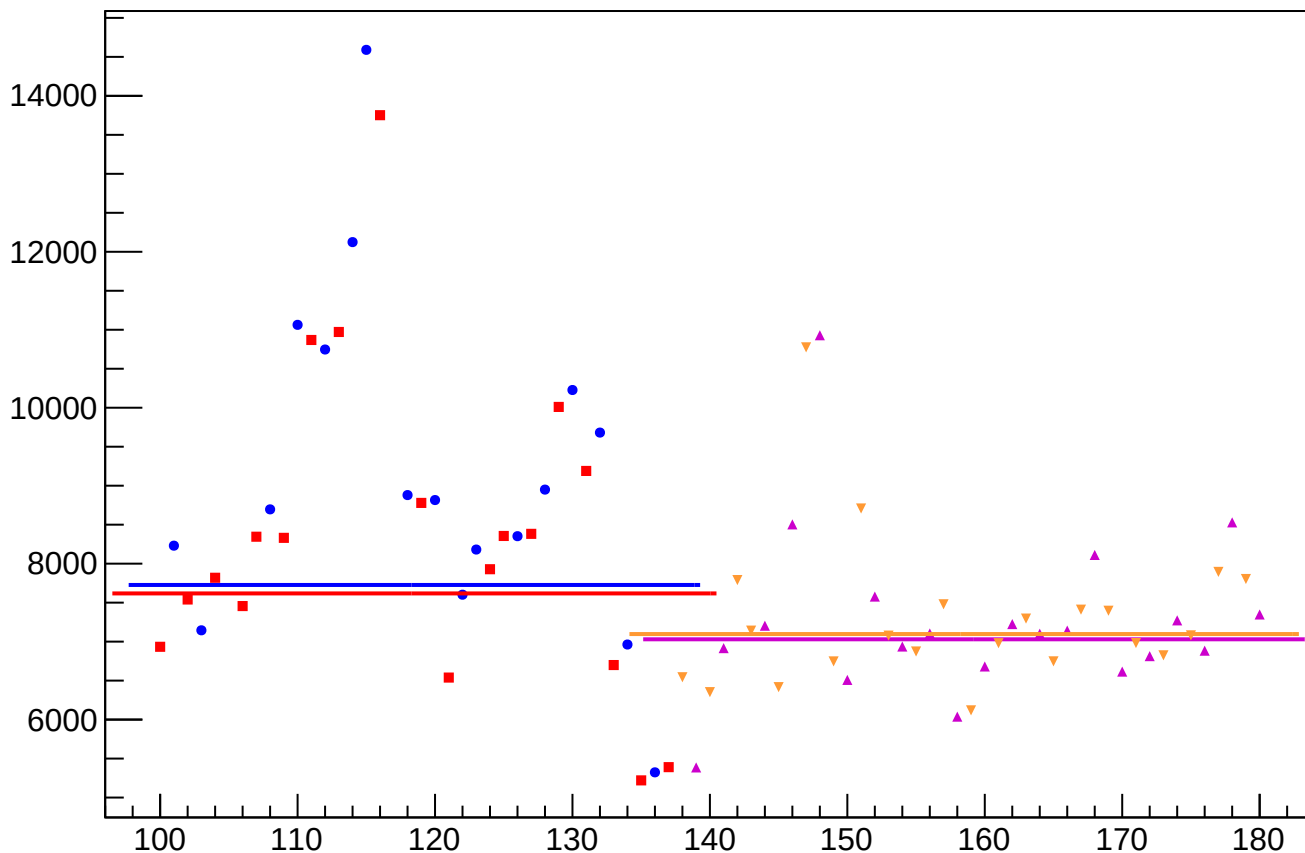
Left In: 0.910 ± 1.754 χ^2/NDF : 33.5/20

+ sign 2.405 ± 1.526 χ^2/NDF : 35.7/38

All: 2.181 ± 1.072 χ^2/NDF : 90.4/78

- sign 1.963 ± 1.506 χ^2/NDF : 54.7/39

diff_bpm4aY_rms vs Slug



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 7097.089+/-1.242 χ^2/NDF : 379127.6/21

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

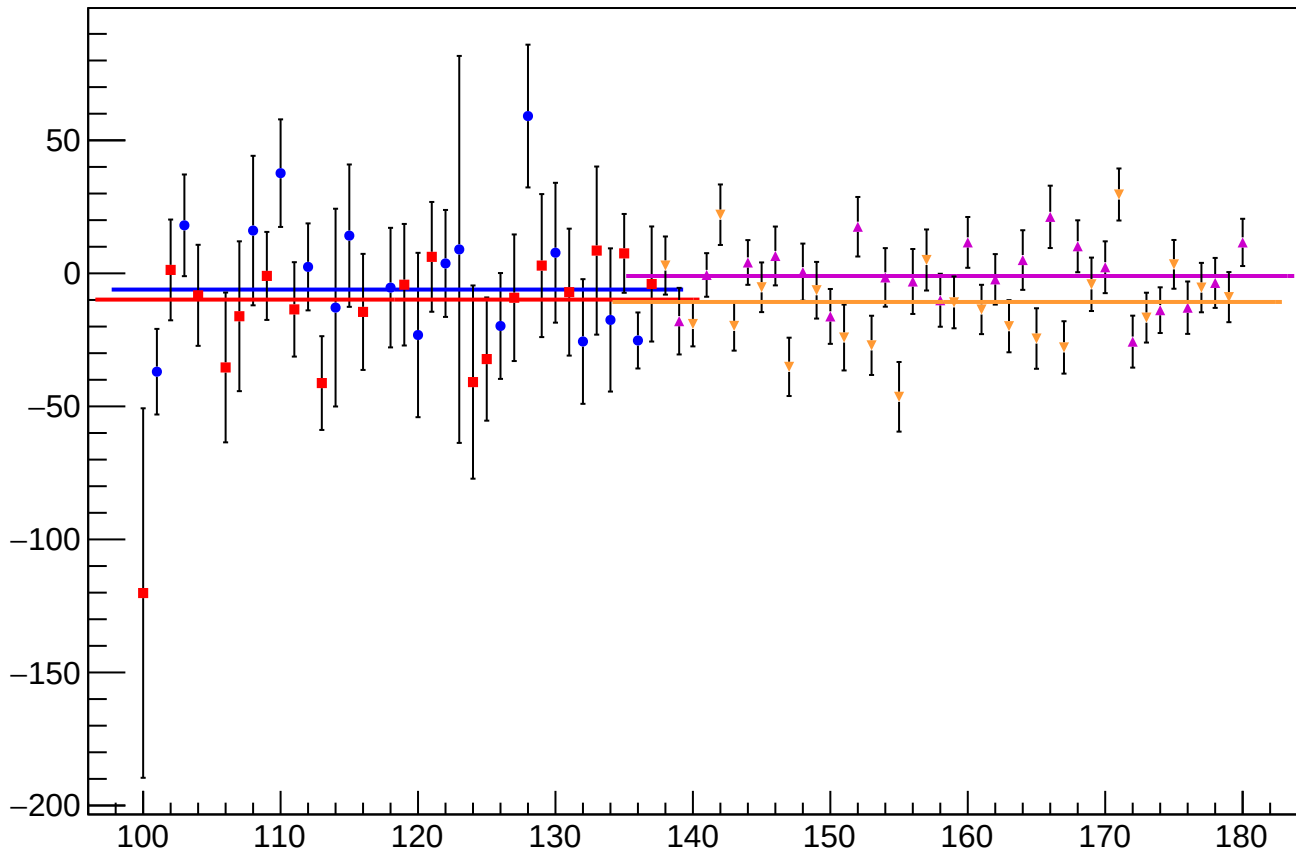
Left In: 7029.697+/-1.240 χ^2/NDF : 540897.1/20

+ sign 7251.326+/-1.079 χ^2/NDF : 1184608.3/38

All: 7217.332+/-0.758 χ^2/NDF : 2461705.4/78

- sign 7184.218+/-1.065 χ^2/NDF : 1275138.2/39

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -10.751 ± 2.154 χ^2/NDF : 55.9/21

Right Out: -9.864 ± 5.004 χ^2/NDF : 11.6/18

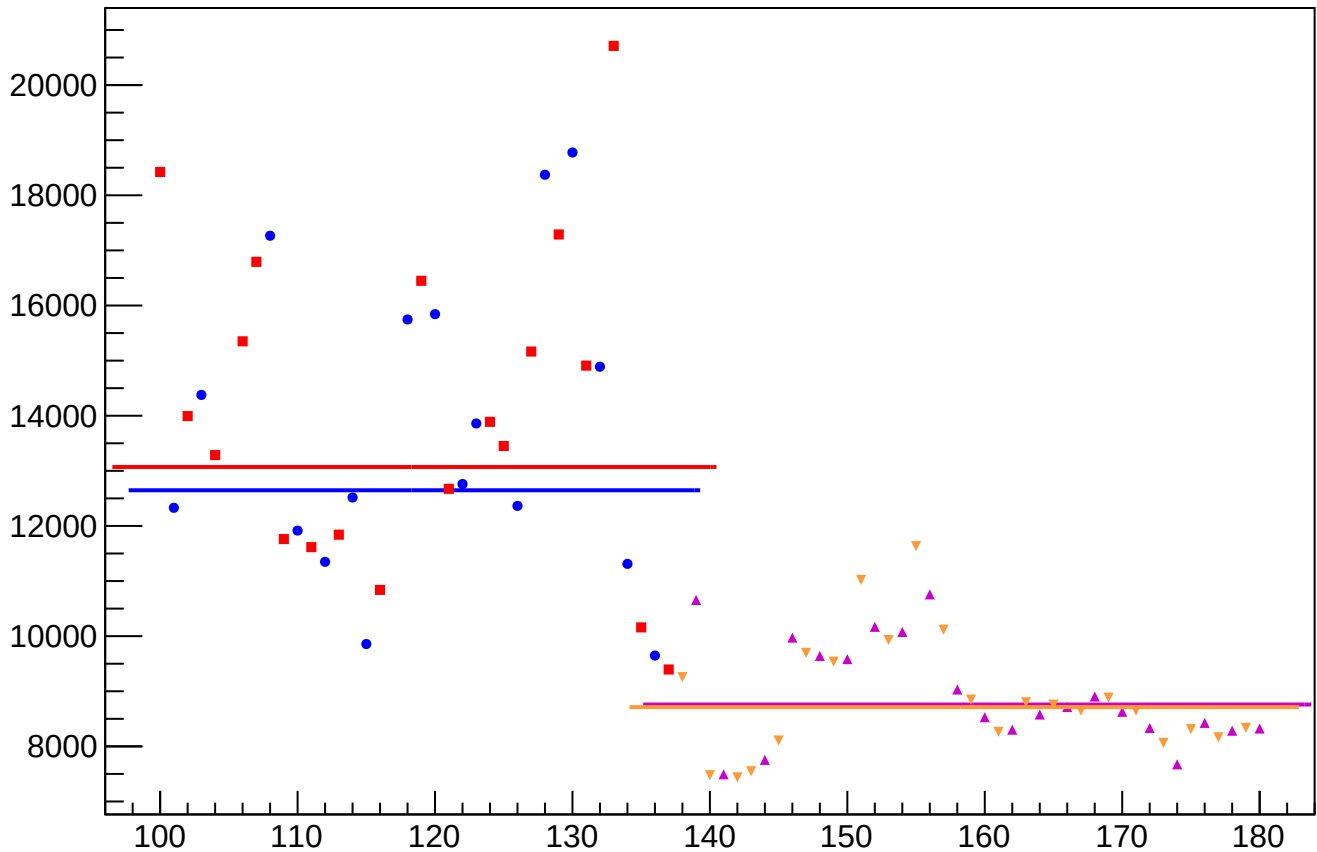
Left In: -0.994 ± 2.174 χ^2/NDF : 27.7/20

+ sign -10.030 ± 1.980 χ^2/NDF : 79.6/38

All: -6.244 ± 1.405 χ^2/NDF : 128.9/78

- sign -2.403 ± 1.994 χ^2/NDF : 42.0/39

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8712.538+/-1.523 χ^2/NDF : 393656.6/21

+ sign 9321.307+/-1.400 χ^2/NDF : 1980942.9/38

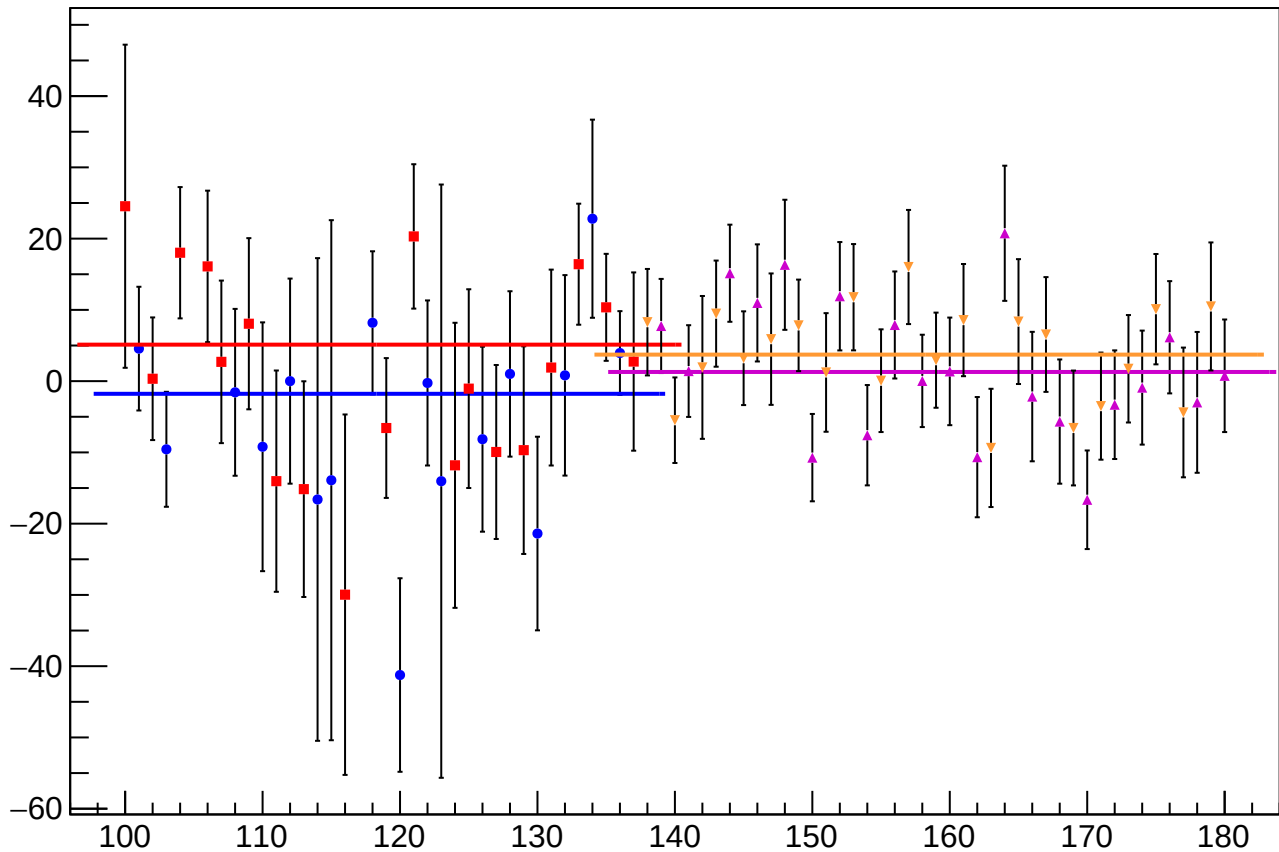
Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

All: 9382.198+/-0.994 χ^2/NDF : 4073102.2/78

- sign 9443.966+/-1.410 χ^2/NDF : 2088348.9/39

Left In: 8759.236+/-1.537 χ^2/NDF : 343402.5/20

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 3.723 ± 1.636 χ^2/NDF : 15.6/21

Right Out: 5.122 ± 2.642 χ^2/NDF : 18.9/18

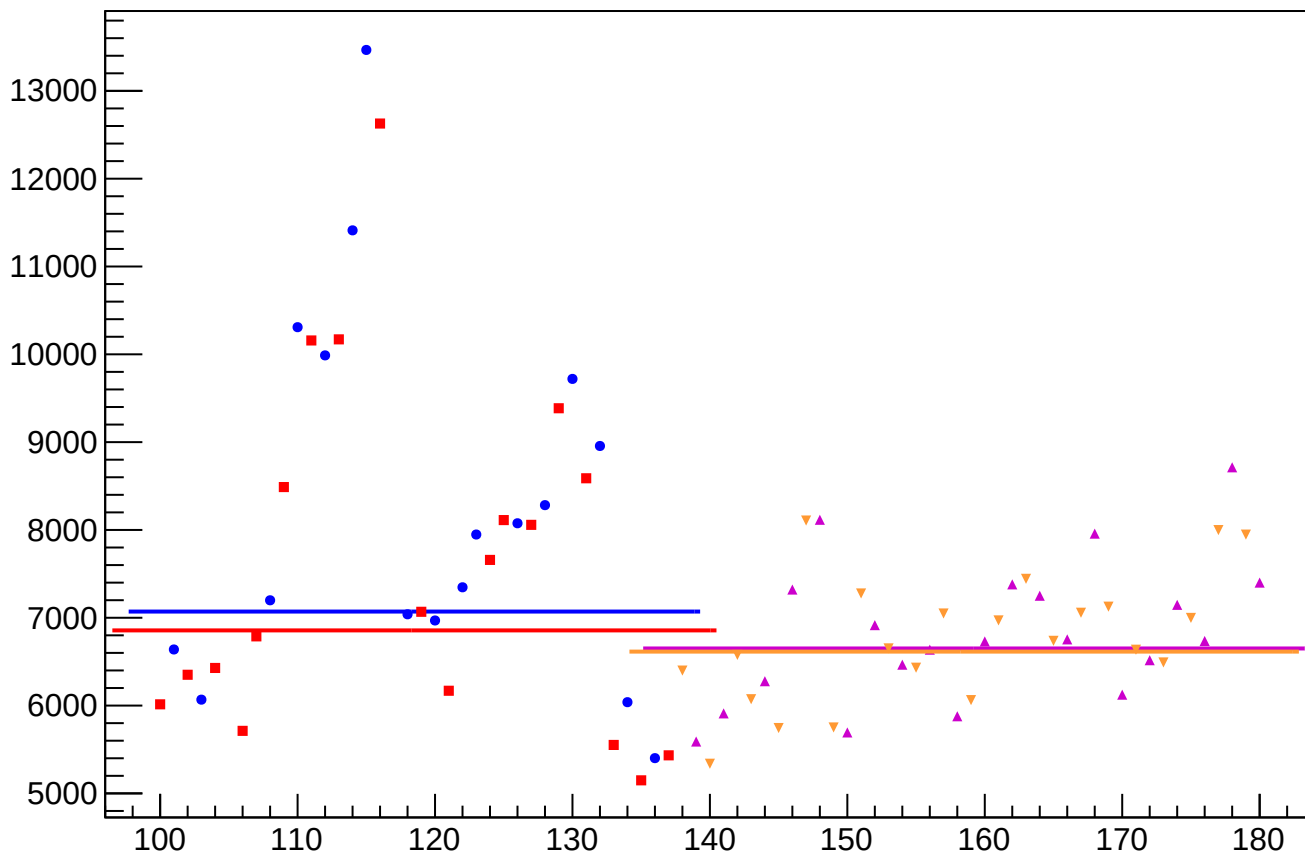
Left In: 1.288 ± 1.655 χ^2/NDF : 32.1/20

+ sign 2.327 ± 1.414 χ^2/NDF : 36.5/38

All: 2.348 ± 0.996 χ^2/NDF : 89.0/78

- sign 2.368 ± 1.402 χ^2/NDF : 52.5/39

diff_bpm4eY_rms vs Slug



Right In: 7070.672+/-1.984 χ^2/NDF : 601692.5/16

Left Out: 6614.688+/-1.157 χ^2/NDF : 394193.9/21

Right Out: 6856.136+/-1.868 χ^2/NDF : 682220.3/18

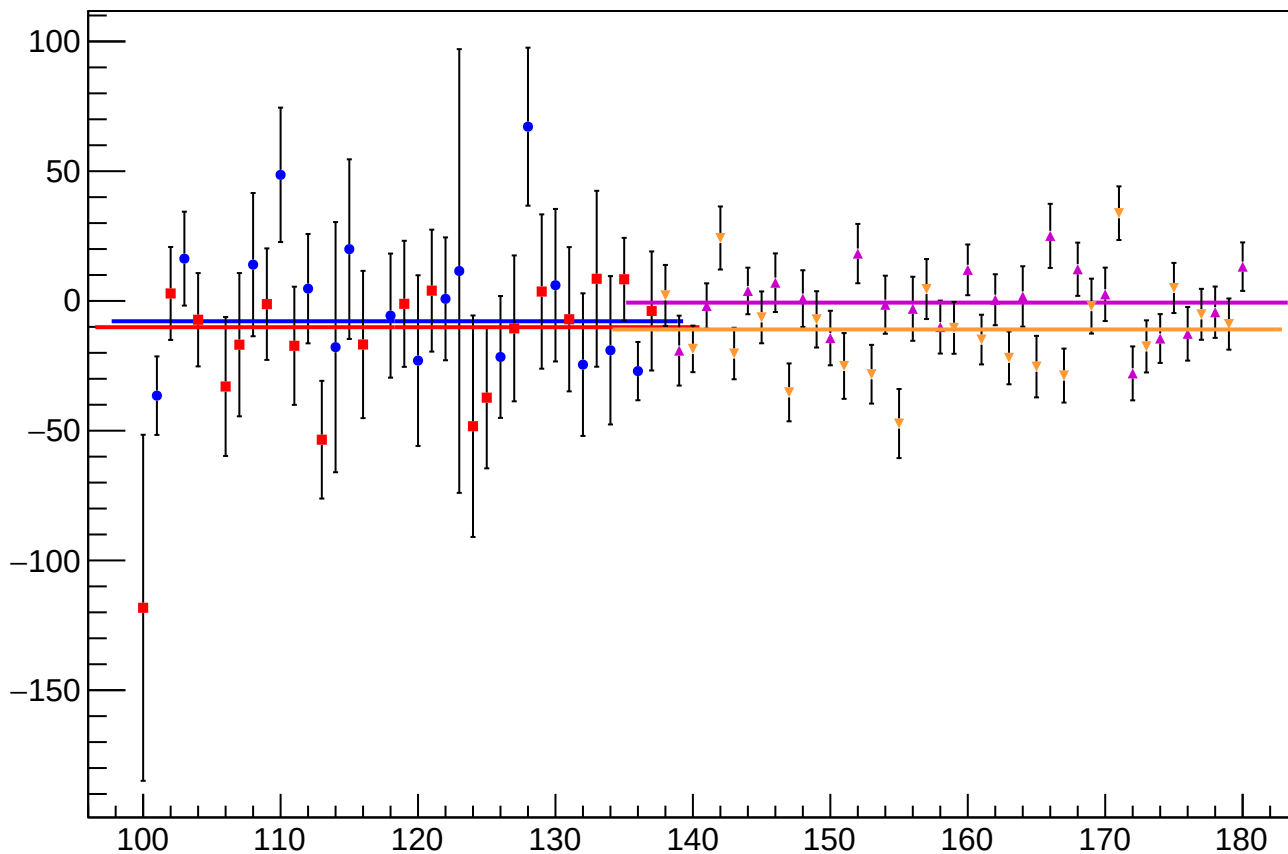
Left In: 6650.294+/-1.170 χ^2/NDF : 423465.5/20

+ sign 6730.415+/-1.000 χ^2/NDF : 1035296.9/38

All: 6719.271+/-0.704 χ^2/NDF : 2149949.4/78

- sign 6708.302+/-0.992 χ^2/NDF : 1114405.8/39

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -10.985 ± 2.254 χ^2/NDF : 57.8/21

Right Out: -10.117 ± 5.571 χ^2/NDF : 12.2/18

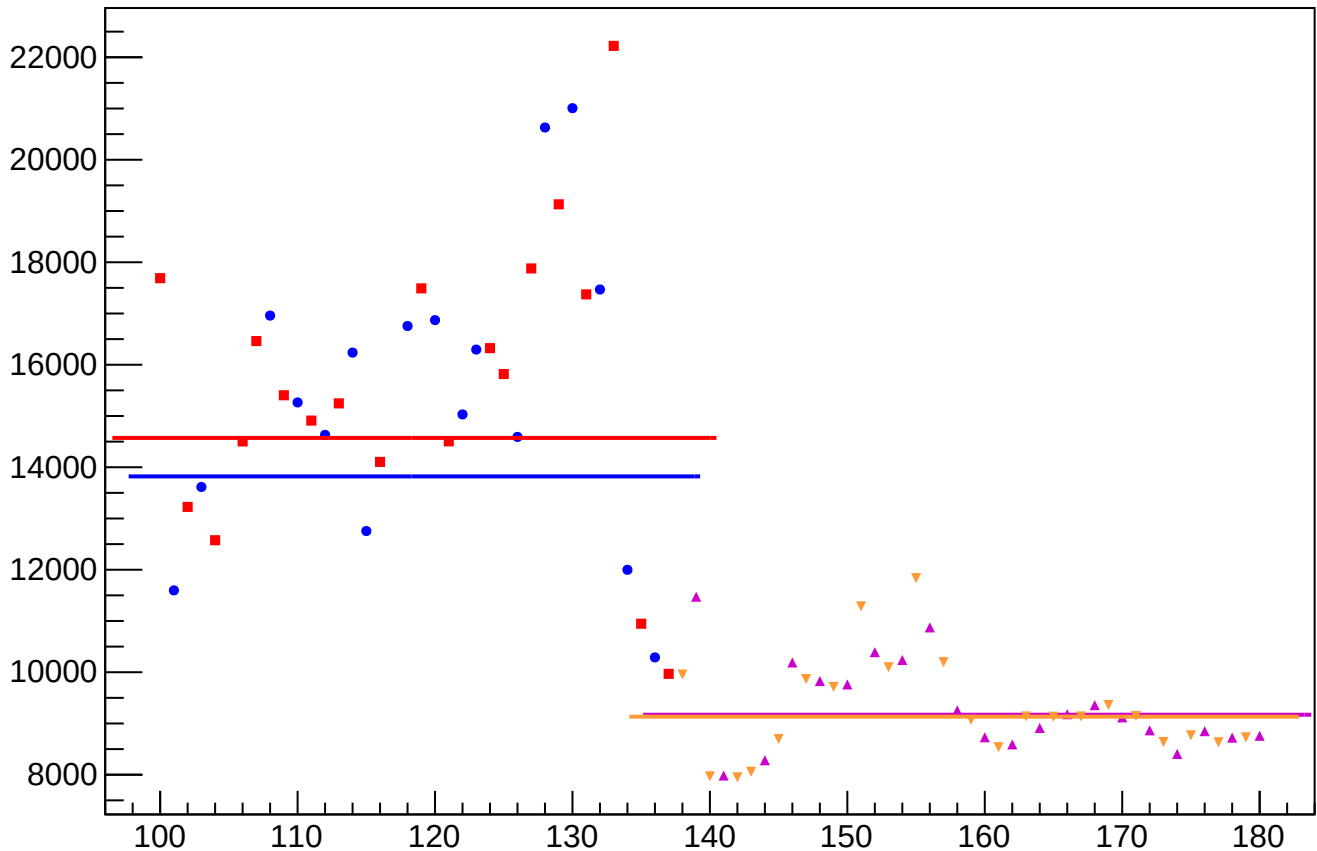
Left In: -0.644 ± 2.274 χ^2/NDF : 28.4/20

+ sign -10.533 ± 2.087 χ^2/NDF : 80.4/38

All: -6.302 ± 1.482 χ^2/NDF : 131.8/78

- sign -1.997 ± 2.105 χ^2/NDF : 43.1/39

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9133.102+/-1.594 χ^2/NDF :300613.3/21

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

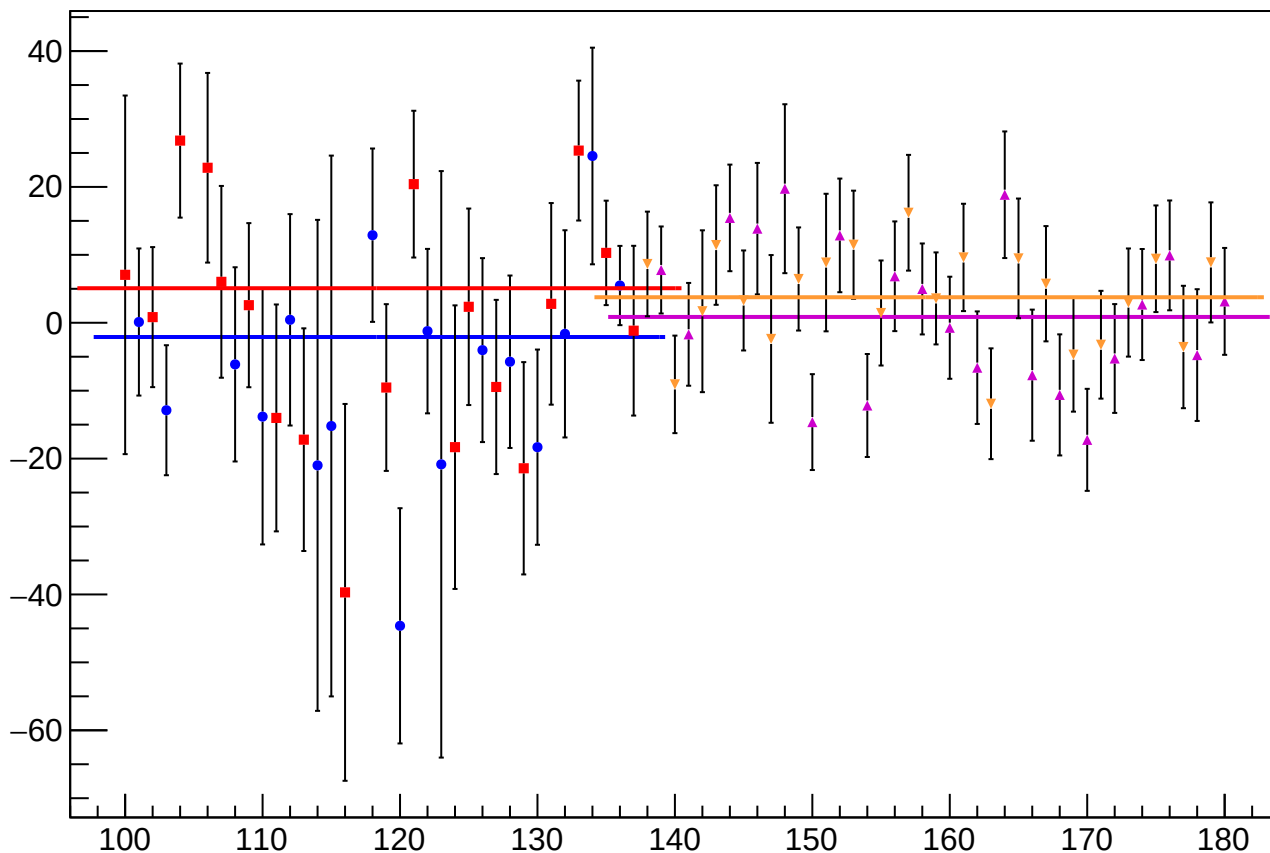
Left In: 9170.668+/-1.608 χ^2/NDF :261657.5/20

+ sign 9803.954+/-1.475 χ^2/NDF : 2141352.4/38

All: 9872.301+/-1.048 χ^2/NDF : 4491598.5/78

- sign 9941.868+/-1.488 χ^2/NDF : 2345915.8/39

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 3.757 ± 1.764 $\chi^2/\text{NDF}: 16.2/21$

Right Out: 5.085 ± 2.962 $\chi^2/\text{NDF}: 24.8/18$

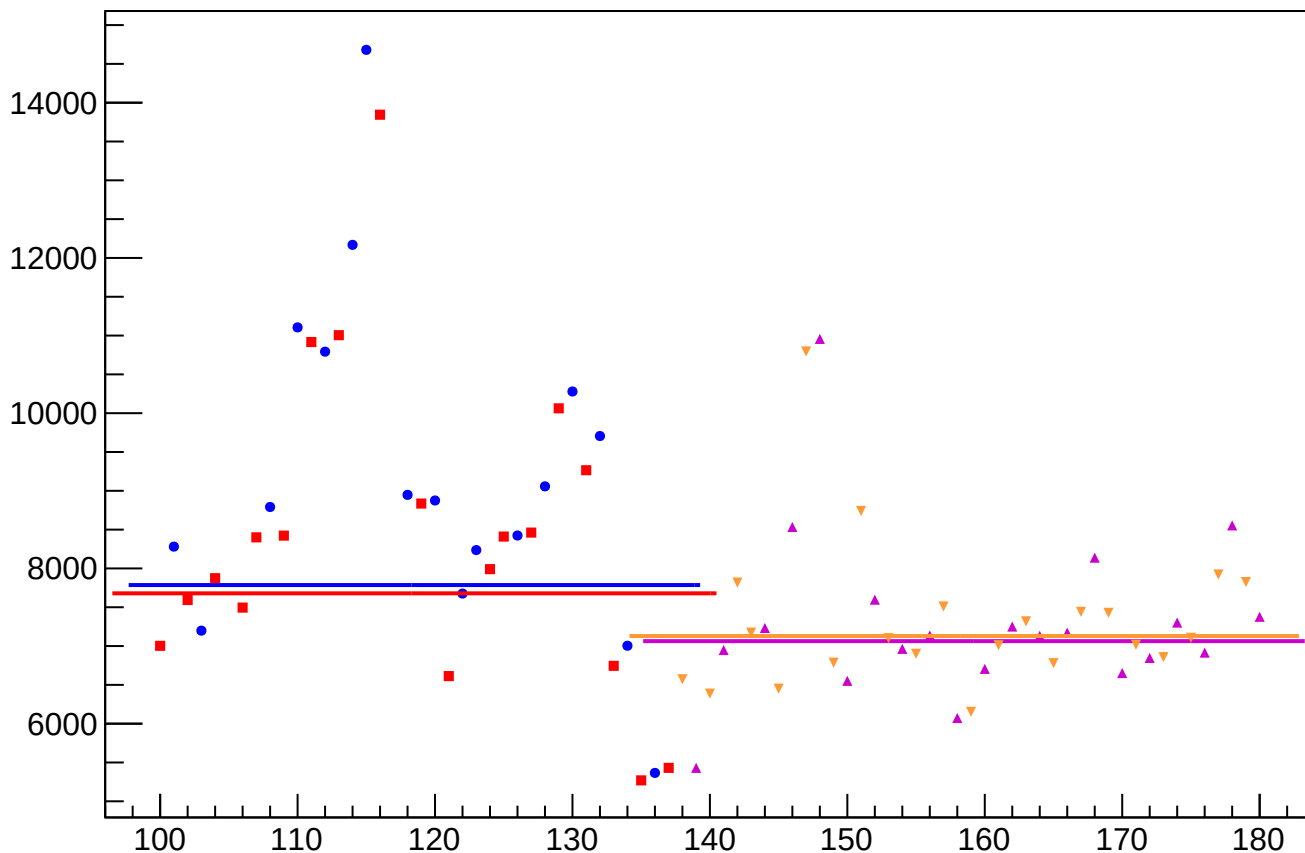
Left In: 0.857 ± 1.762 $\chi^2/\text{NDF}: 34.7/20$

+ sign 2.330 ± 1.534 $\chi^2/\text{NDF}: 34.6/38$

All: 2.143 ± 1.078 $\chi^2/\text{NDF}: 95.6/78$

- sign 1.962 ± 1.514 $\chi^2/\text{NDF}: 61.0/39$

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7128.931+/-1.247 χ^2/NDF : 374385.3/21

Right Out: 7679.182+/-2.095 χ^2/NDF : 668736.8/18

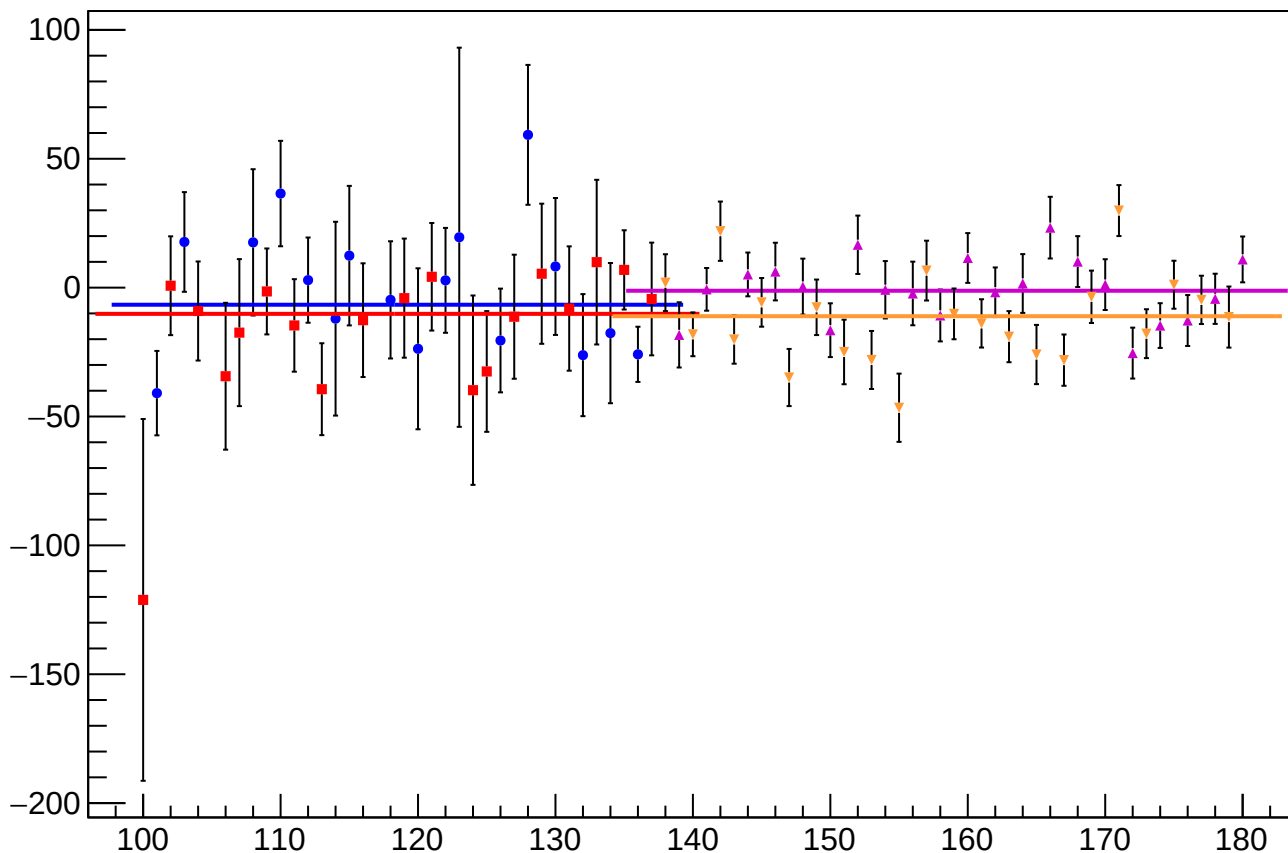
Left In: 7063.362+/-1.246 χ^2/NDF : 531737.1/20

+ sign 7289.114+/-1.085 χ^2/NDF : 1180135.5/38

All: 7256.299+/-0.762 χ^2/NDF : 2446263.7/78

- sign 7224.314+/-1.071 χ^2/NDF : 1264320.7/39

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -11.088 ± 2.198 $\chi^2/\text{NDF}: 55.1/21$

Right Out: -10.172 ± 5.075 $\chi^2/\text{NDF}: 10.8/18$

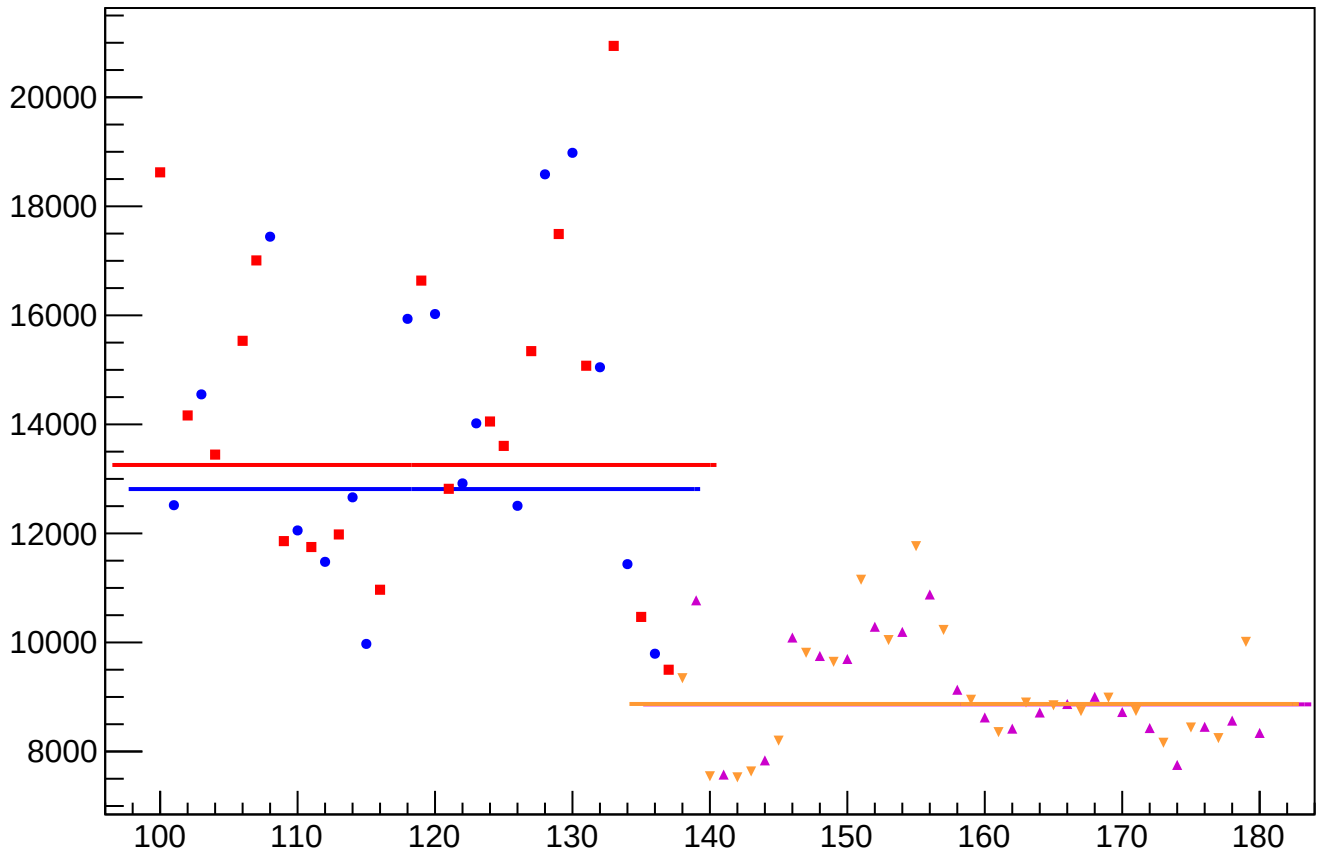
Left In: -1.206 ± 2.201 $\chi^2/\text{NDF}: 27.5/20$

+ sign -10.391 ± 2.019 $\chi^2/\text{NDF}: 79.1/38$

All: -6.509 ± 1.428 $\chi^2/\text{NDF}: 127.4/78$

- sign -2.625 ± 2.019 $\chi^2/\text{NDF}: 40.9/39$

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8871.560+/-1.554 χ^2/NDF : 410294.2/21

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

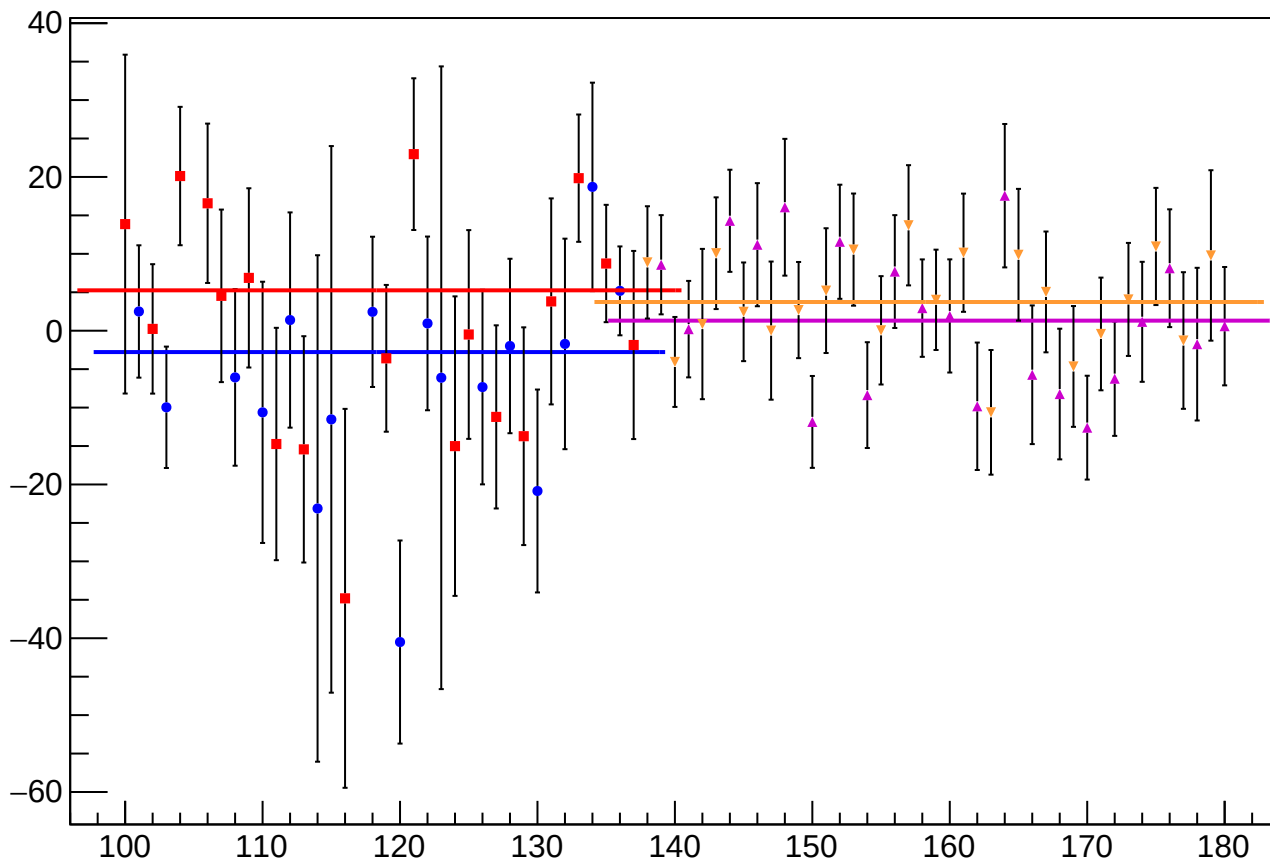
Left In: 8864.254+/-1.556 χ^2/NDF : 343766.3/20

+ sign 9488.897+/-1.427 χ^2/NDF : 1965741.1/38

All: 9524.208+/-1.010 χ^2/NDF : 4055446.6/78

- sign 9559.539+/-1.428 χ^2/NDF : 2088481.3/39

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.734 ± 1.608 χ^2/NDF : 13.5/21

Right Out: 5.252 ± 2.590 χ^2/NDF : 23.5/18

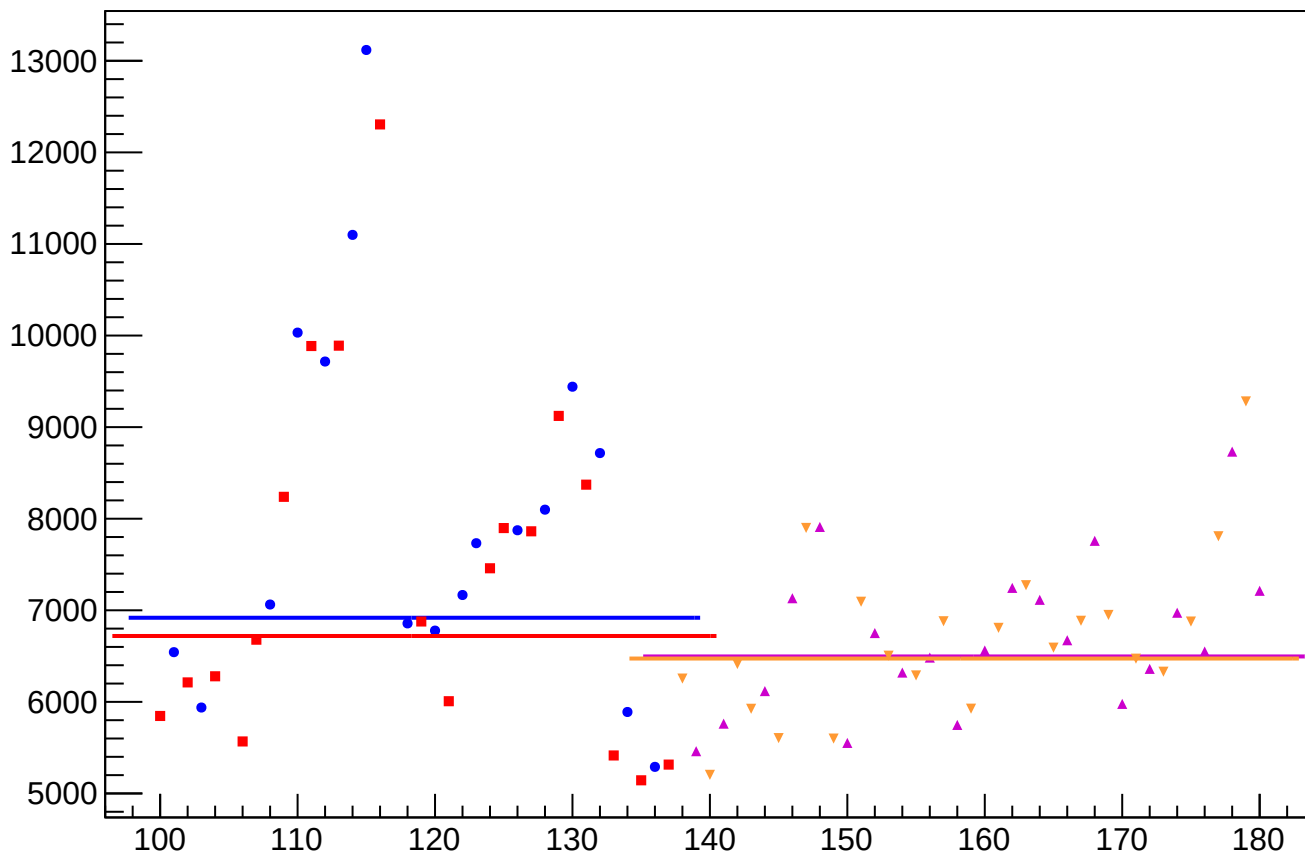
Left In: 1.309 ± 1.618 χ^2/NDF : 31.9/20

+ sign 2.072 ± 1.388 χ^2/NDF : 34.7/38

All: 2.246 ± 0.976 χ^2/NDF : 91.8/78

- sign 2.416 ± 1.372 χ^2/NDF : 57.1/39

diff_bpm4ecY_rms vs Slug



Right In: 6918.554 ± 1.943 χ^2/NDF : 587976.6/16

Left Out: 6473.175 ± 1.137 χ^2/NDF : 482591.6/21

Right Out: 6719.404 ± 1.831 χ^2/NDF : 653831.7/18

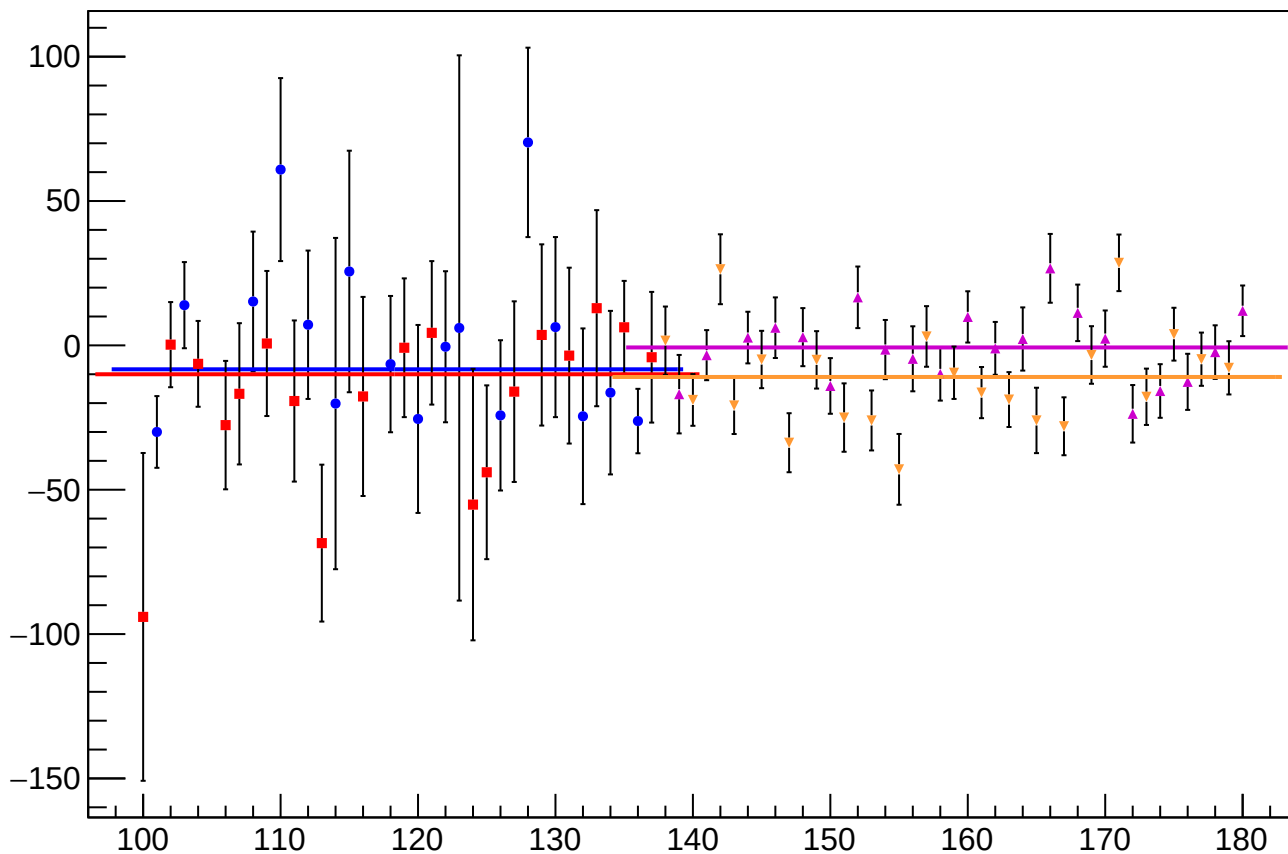
Left In: 6496.013 ± 1.144 χ^2/NDF : 438844.1/20

+ sign 6586.805 ± 0.981 χ^2/NDF : 1109725.3/38

All: 6572.597 ± 0.690 χ^2/NDF : 2213521.7/78

- sign 6558.709 ± 0.970 χ^2/NDF : 1103381.7/39

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -10.944 ± 2.138 χ^2/NDF : 56.5/21

Right Out: -10.007 ± 5.513 χ^2/NDF : 12.9/18

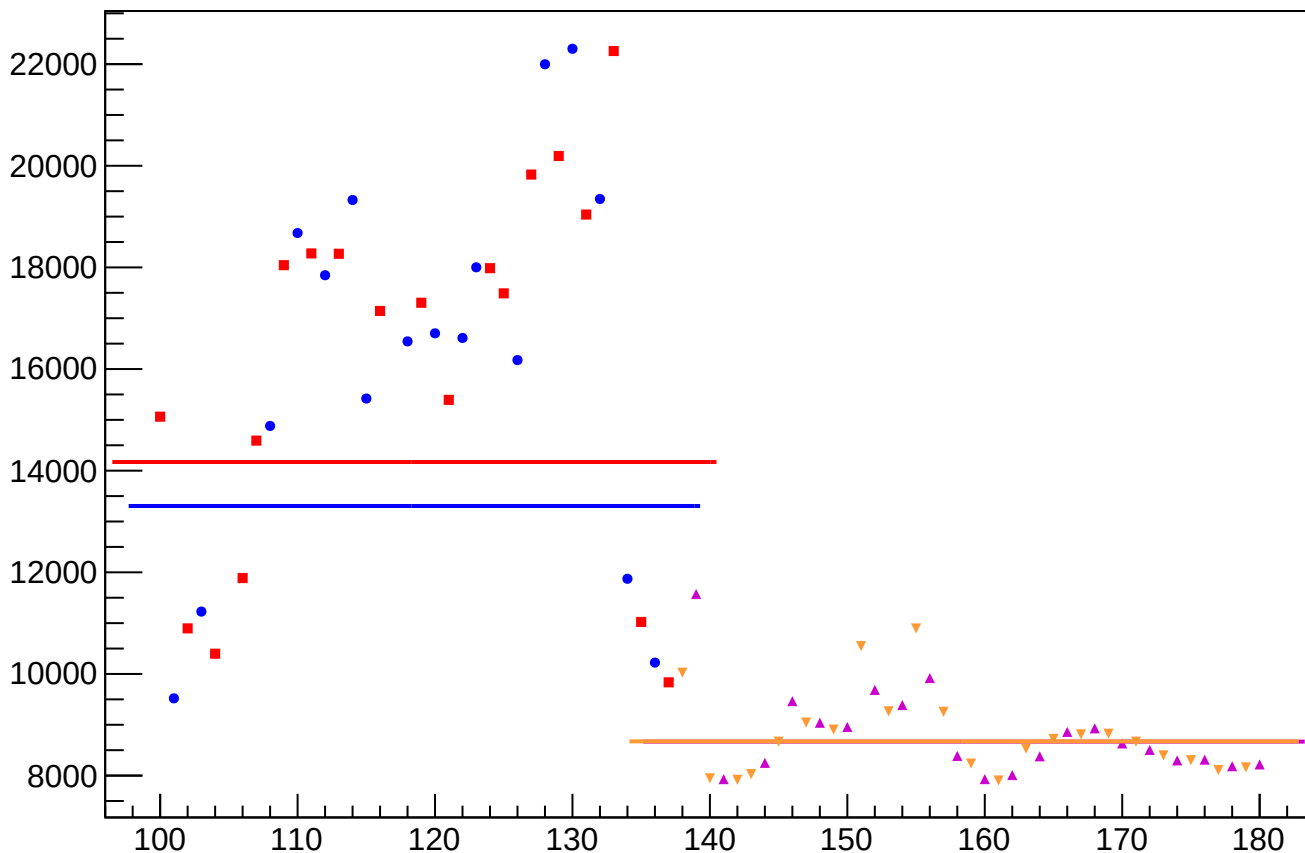
Left In: -0.718 ± 2.148 χ^2/NDF : 27.9/20

+ sign -10.585 ± 1.988 χ^2/NDF : 78.4/38

All: -6.292 ± 1.411 χ^2/NDF : 131.0/78

- sign -1.942 ± 2.002 χ^2/NDF : 43.2/39

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8673.692+/-1.512 χ^2/NDF : 227213.0/21

+ sign 9299.339+/-1.406 χ^2/NDF : 2539172.4/38

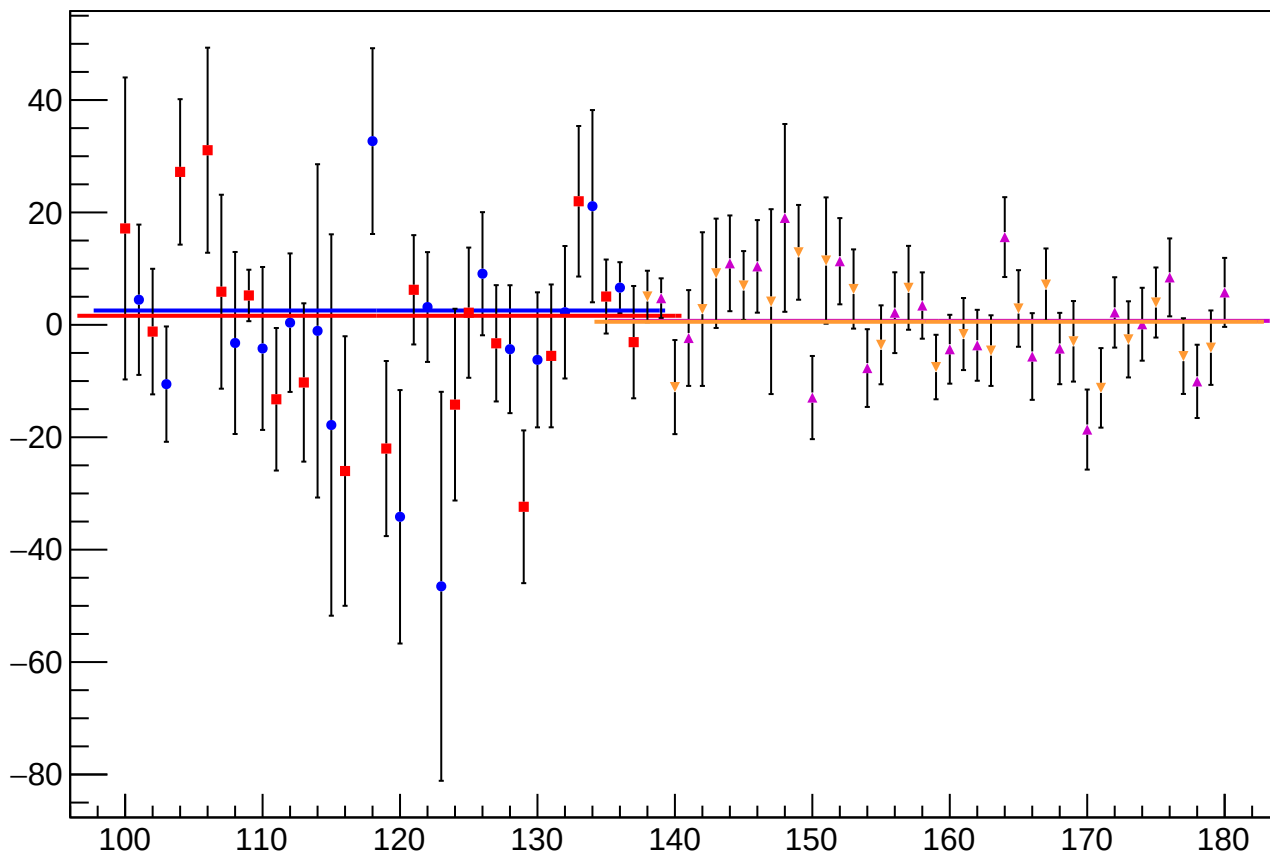
Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

All: 9346.276+/-0.997 χ^2/NDF : 5426894.2/78

- sign 9393.834+/-1.415 χ^2/NDF : 2885478.2/39

Left In: 8668.630+/-1.519 χ^2/NDF : 225434.5/20

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 0.548 ± 1.497 χ^2/NDF : 18.4/21

Right Out: 1.613 ± 2.442 χ^2/NDF : 24.0/18

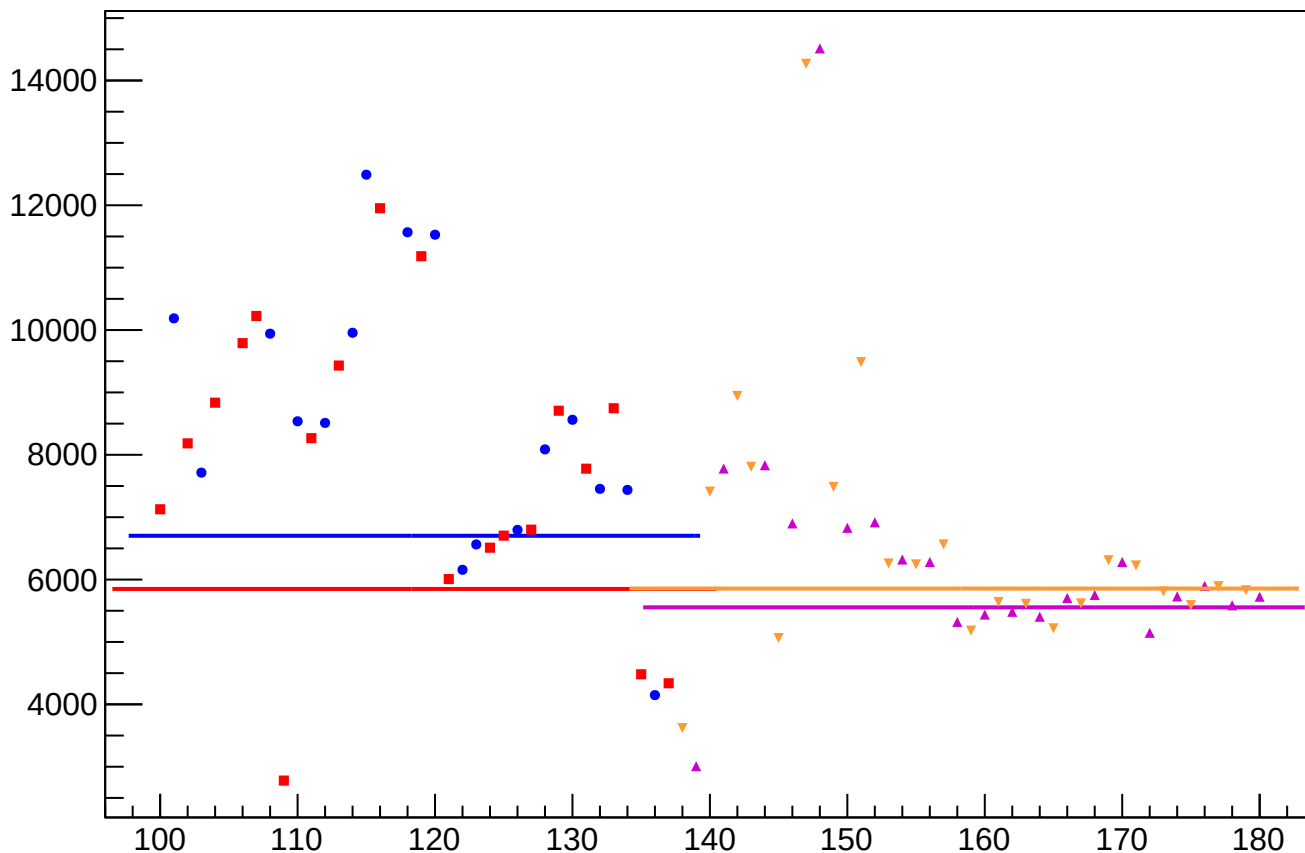
Left In: 0.710 ± 1.439 χ^2/NDF : 31.4/20

+ sign 1.004 ± 1.316 χ^2/NDF : 32.4/38

All: 0.972 ± 0.902 χ^2/NDF : 88.0/78

- sign 0.942 ± 1.239 χ^2/NDF : 55.5/39

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5856.456+/-1.059 χ^2/NDF : 1669644.0/21

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

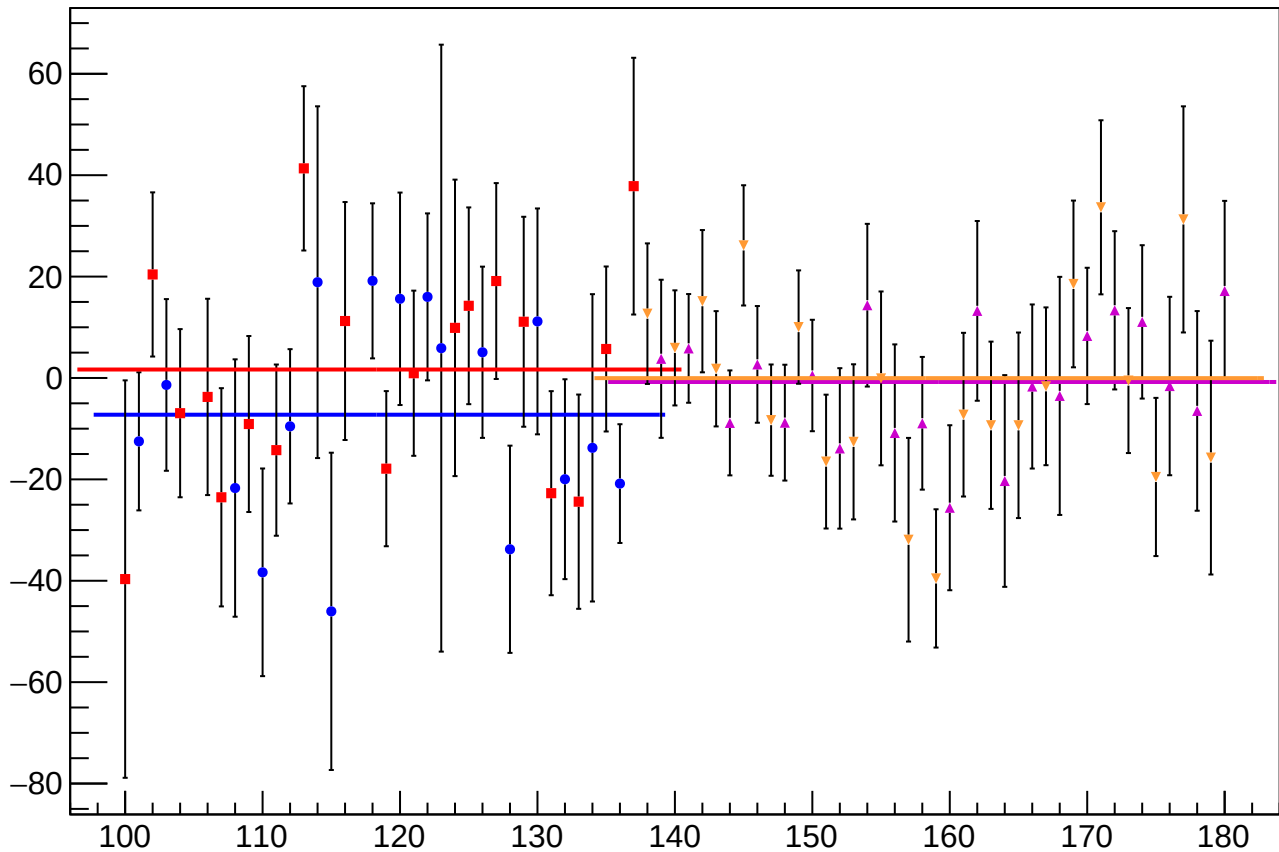
Left In: 5555.340+/-1.017 χ^2/NDF : 2158265.4/20

+ sign 6049.101+/-0.930 χ^2/NDF : 3204976.7/38

All: 5827.663+/-0.638 χ^2/NDF : 7770198.1/78

- sign 5631.132+/-0.876 χ^2/NDF : 4458286.0/39

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: -0.032 ± 3.085 χ^2/NDF : 31.6/21

Right Out: 1.671 ± 4.373 χ^2/NDF : 19.9/18

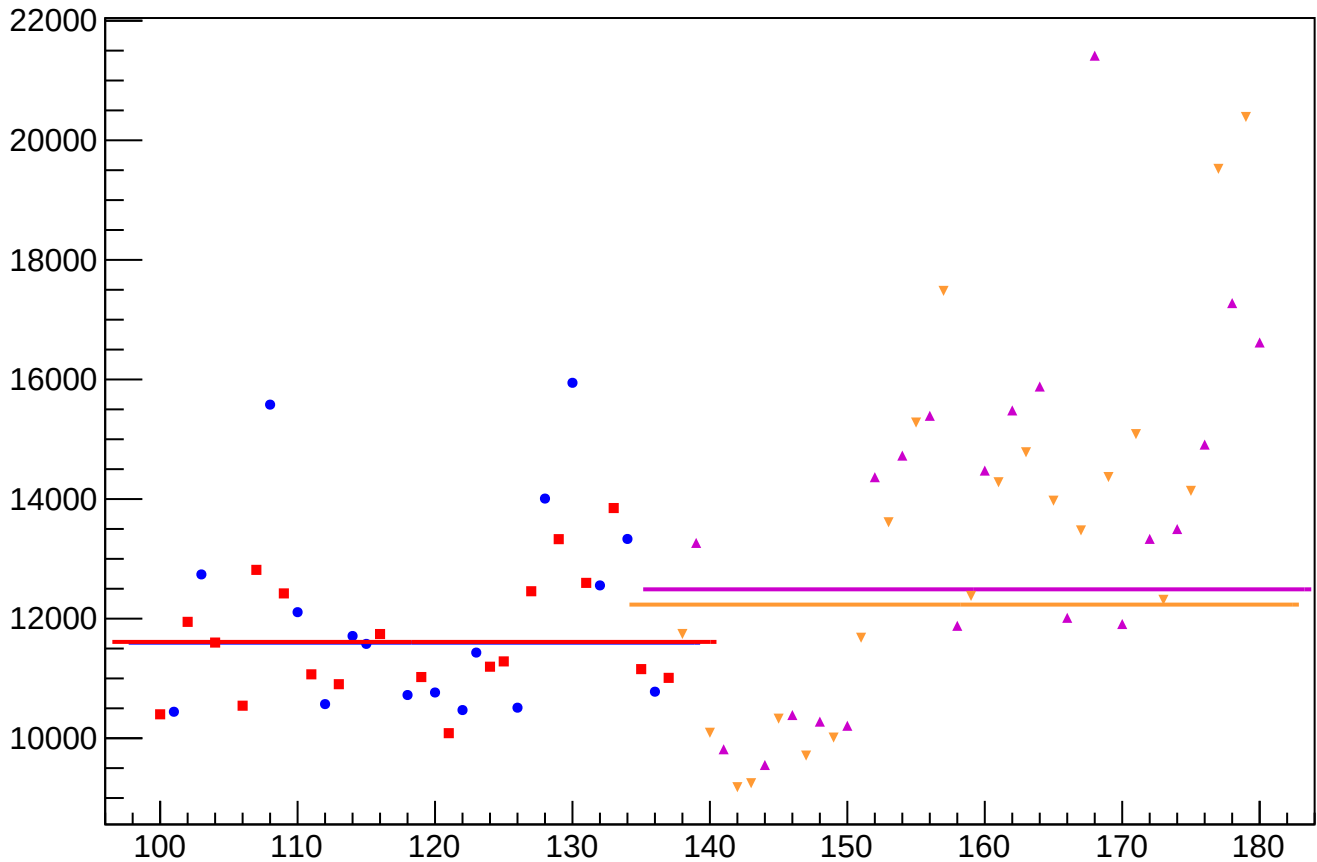
Left In: -0.791 ± 3.155 χ^2/NDF : 10.8/20

+ sign -2.306 ± 2.553 χ^2/NDF : 49.3/38

All: -1.130 ± 1.807 χ^2/NDF : 80.6/78

- sign 0.052 ± 2.558 χ^2/NDF : 30.9/39

diff_bpm11X_rms vs Slug



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 12234.798+/-2.182 χ^2/NDF :1455568.6/21

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

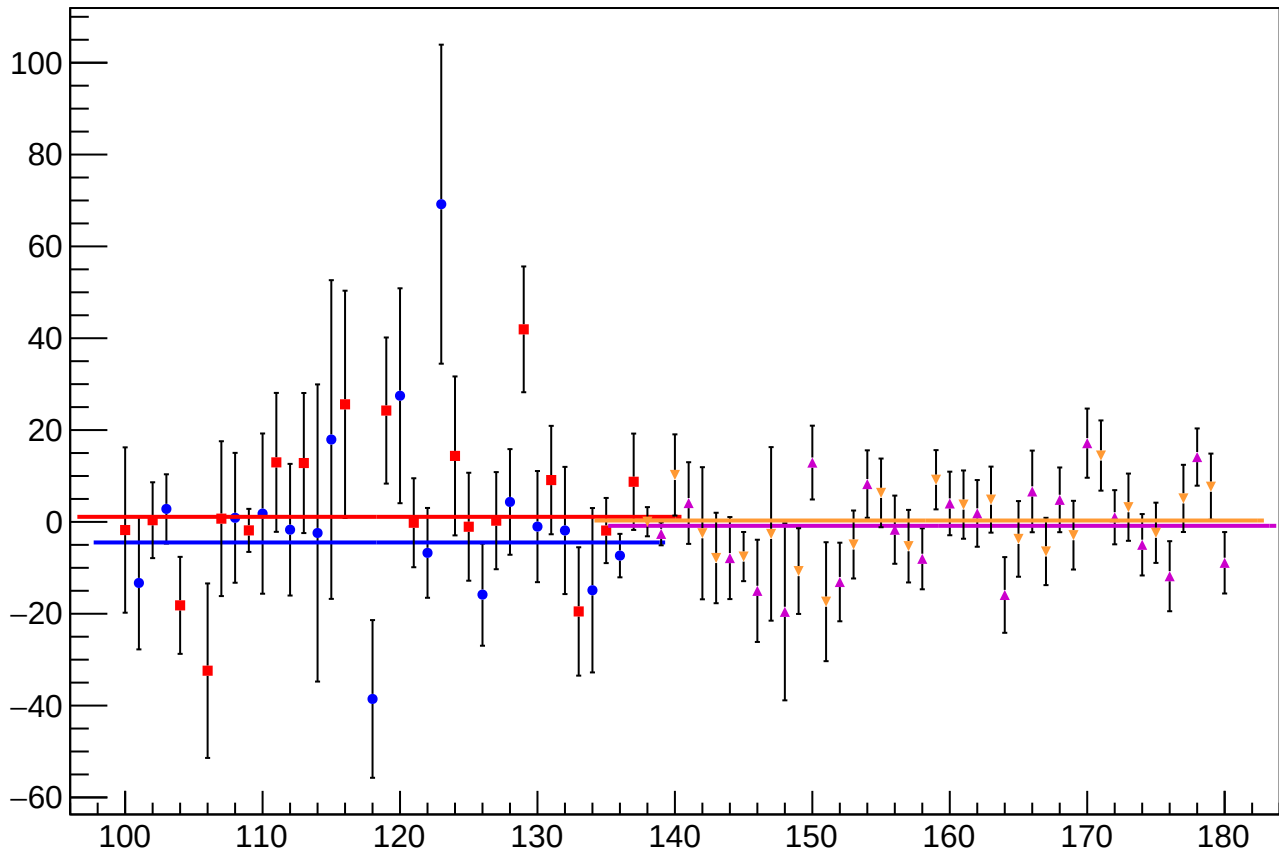
Left In: 12490.113+/-2.231 χ^2/NDF :1357460.8/20

+ sign 12034.274+/-1.805 χ^2/NDF : 1717789.9/38

All: 12111.564+/-1.278 χ^2/NDF : 3226539.3/7

- sign 12189.182+/-1.809 χ^2/NDF : 1505075.6/39

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: 0.304 ± 1.501 χ^2/NDF : 18.1/21

Right Out: 1.105 ± 2.429 χ^2/NDF : 24.0/18

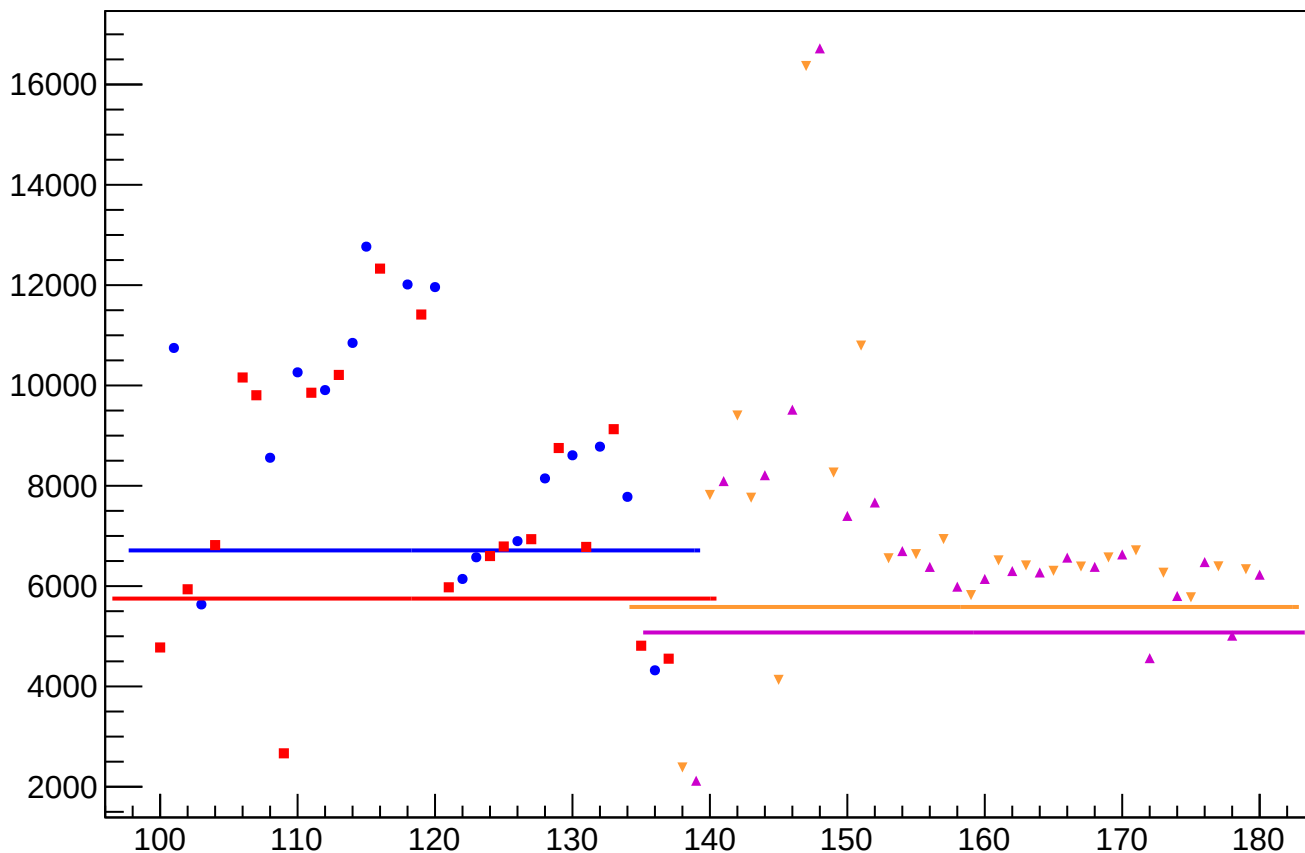
Left In: -0.854 ± 1.405 χ^2/NDF : 32.5/20

+ sign -0.774 ± 1.321 χ^2/NDF : 35.2/38

All: -0.552 ± 0.895 χ^2/NDF : 92.3/78

- sign -0.363 ± 1.216 χ^2/NDF : 57.0/39

diff_bpm11Y_rms vs Slug



Right In: 6711.550 ± 1.967 $\chi^2/\text{NDF}: 1446972.0/16$

Left Out: 5584.170 ± 1.061 $\chi^2/\text{NDF}: 4057397.4/21$

Right Out: 5751.505 ± 1.718 $\chi^2/\text{NDF}: 2165110.0/18$

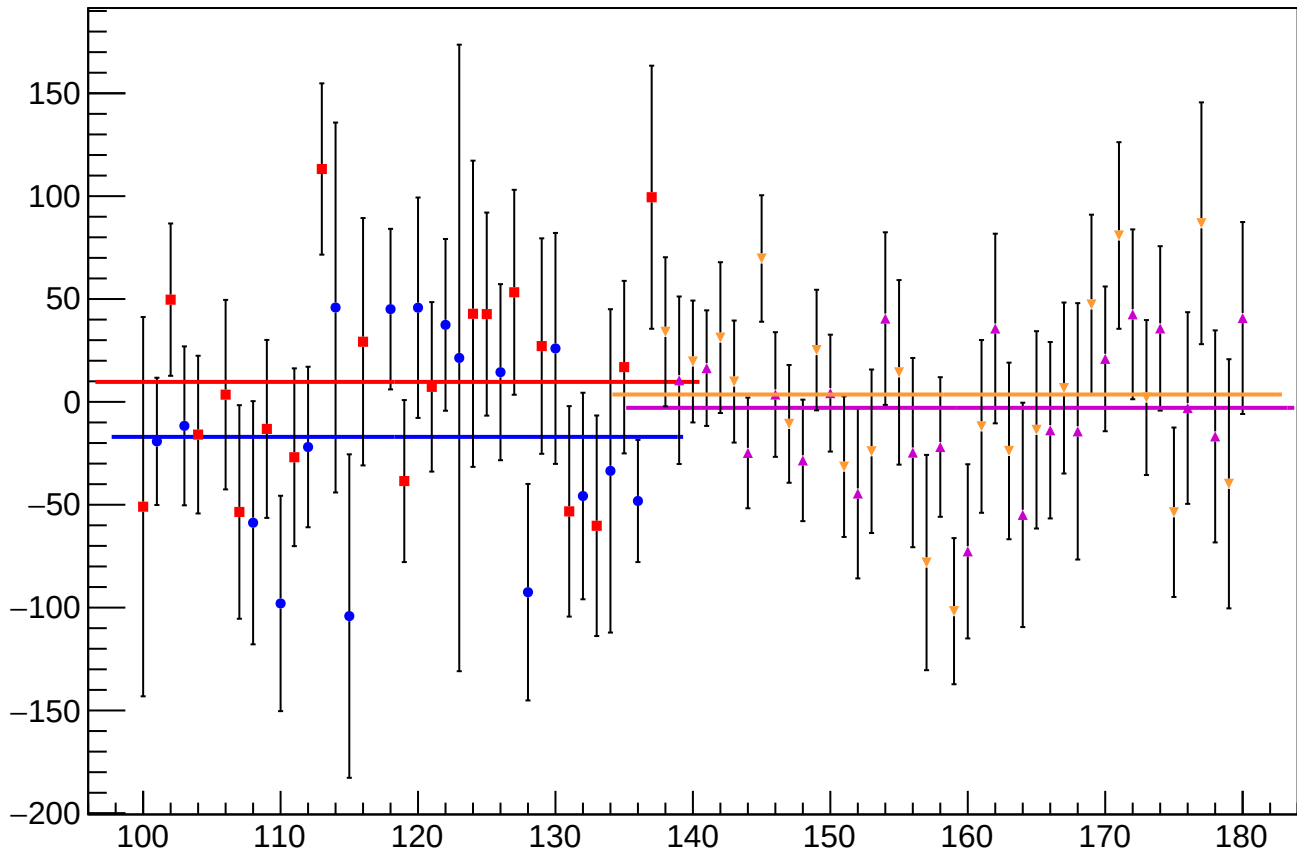
Left In: 5075.390 ± 0.993 $\chi^2/\text{NDF}: 5410911.0/20$

+ sign 5838.406 ± 0.934 $\chi^2/\text{NDF}: 5758799.4/38$

All: 5517.089 ± 0.633 $\chi^2/\text{NDF}: 13669551.5/7$

- sign 5244.829 ± 0.860 $\chi^2/\text{NDF}: 7692149.6/39$

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 3.597 ± 8.068 χ^2/NDF : 28.9/21

Right Out: 9.719 ± 10.891 χ^2/NDF : 19.1/18

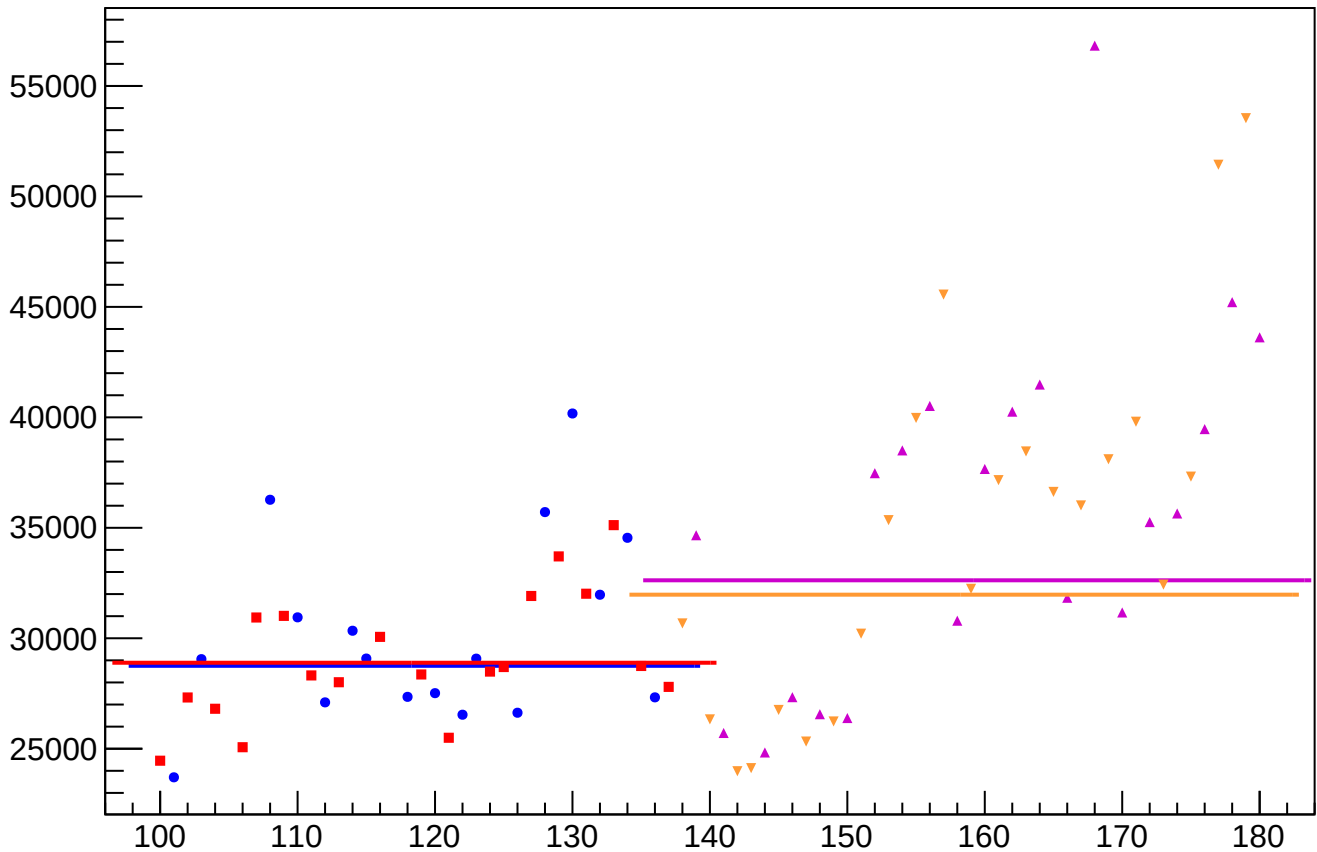
Left In: -2.891 ± 8.246 χ^2/NDF : 12.7/20

+ sign -3.372 ± 6.564 χ^2/NDF : 46.1/38

All: -0.838 ± 4.645 χ^2/NDF : 79.0/78

- sign 1.704 ± 6.574 χ^2/NDF : 32.6/39

diff_bpm12X_rms vs Slug



Right In: 28753.787 ± 7.981 $\chi^2/\text{NDF}: 249215.1/16$

Left Out: 31973.103 ± 5.705 $\chi^2/\text{NDF}: 1490796.0/21$

Right Out: 28892.154 ± 7.701 $\chi^2/\text{NDF}: 111241.2/18$

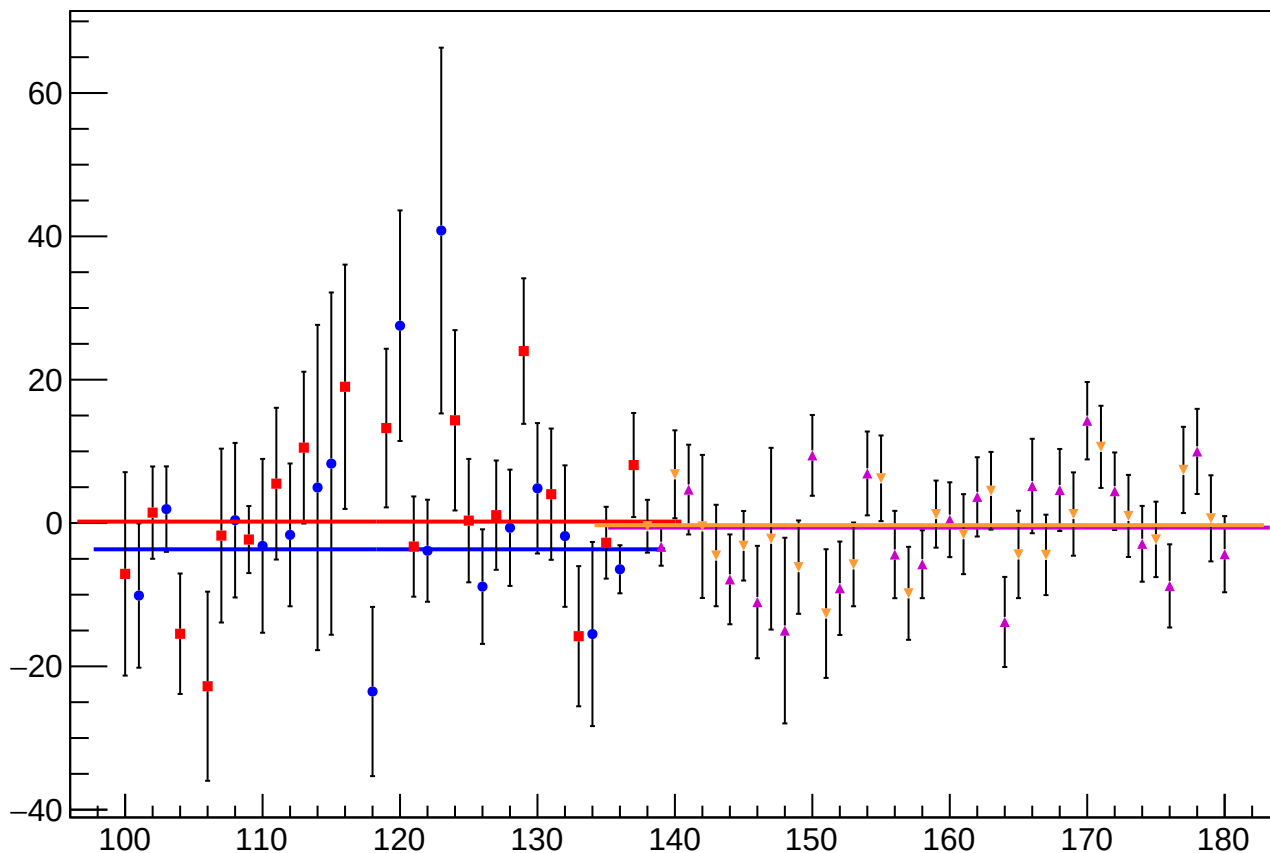
Left In: 32623.790 ± 5.831 $\chi^2/\text{NDF}: 1402013.8/20$

+ sign 30884.396 ± 4.641 $\chi^2/\text{NDF}: 1847690.6/38$

All: 31073.918 ± 3.284 $\chi^2/\text{NDF}: 3513534.2/79$

- sign 31264.034 ± 4.649 $\chi^2/\text{NDF}: 1662503.7/39$

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.298 ± 1.242 χ^2/NDF : 16.5/21

Right Out: 0.199 ± 1.893 χ^2/NDF : 22.3/18

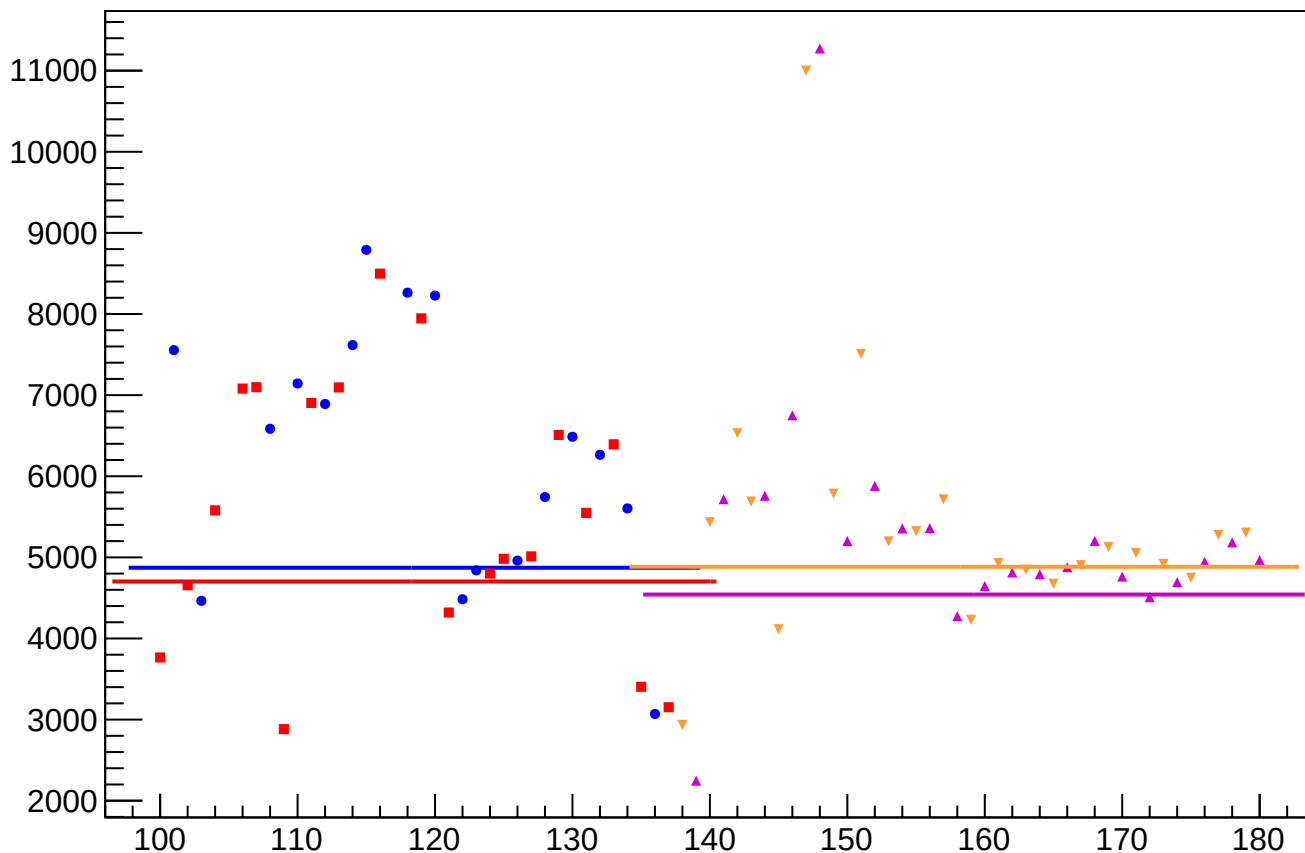
Left In: -0.641 ± 1.180 χ^2/NDF : 35.1/20

+ sign -1.229 ± 1.056 χ^2/NDF : 33.0/38

All: -0.796 ± 0.727 χ^2/NDF : 91.0/78

- sign -0.406 ± 1.002 χ^2/NDF : 57.6/39

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4884.350+/-0.878 χ^2/NDF : 1497321.8/21

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

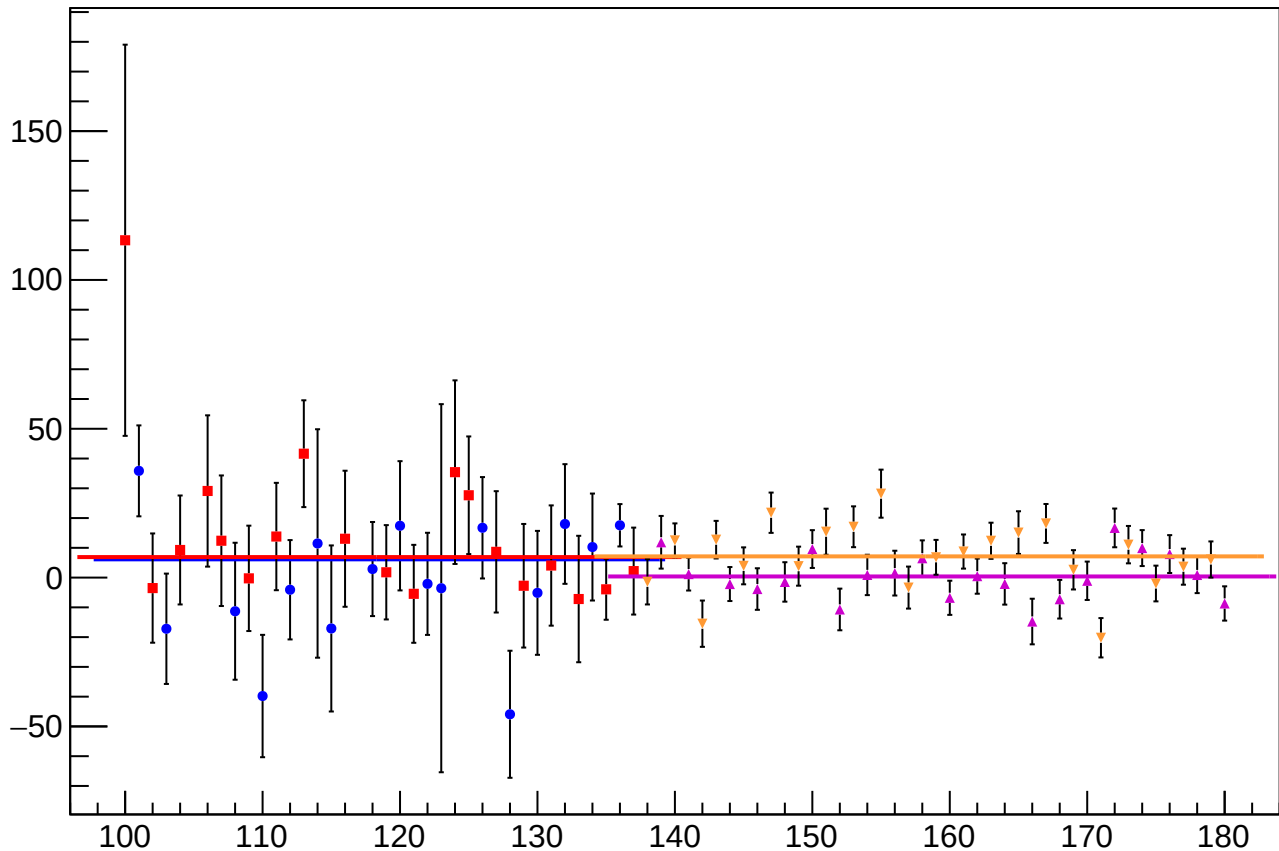
Left In: 4541.737+/-0.835 χ^2/NDF : 2633594.0/20

+ sign 4880.966+/-0.747 χ^2/NDF : 2902628.7/38

All: 4726.095+/-0.514 χ^2/NDF : 6941001.7/78

- sign 4586.897+/-0.708 χ^2/NDF : 3956767.1/39

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 $\chi^2/\text{NDF}: 22.2/16$

Left Out: 7.127 ± 1.391 $\chi^2/\text{NDF}: 54.4/21$

Right Out: 6.892 ± 4.224 $\chi^2/\text{NDF}: 12.5/18$

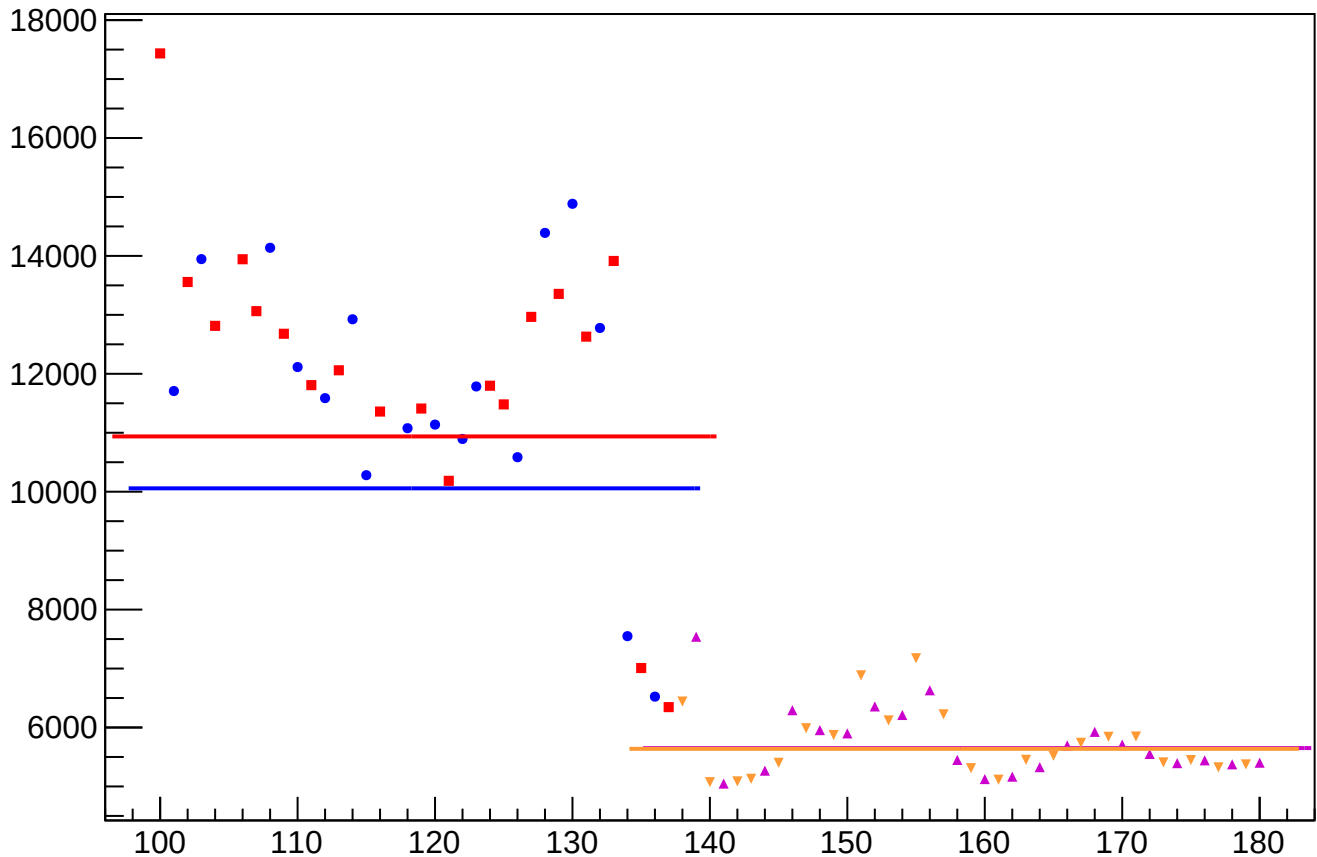
Left In: 0.383 ± 1.401 $\chi^2/\text{NDF}: 27.7/20$

+ sign 7.024 ± 1.317 $\chi^2/\text{NDF}: 76.7/38$

All: 4.056 ± 0.936 $\chi^2/\text{NDF}: 129.3/78$

- sign 1.028 ± 1.330 $\chi^2/\text{NDF}: 42.3/39$

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5638.457 $\pm$ 0.984 χ^2 /NDF: 267397.8/21

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

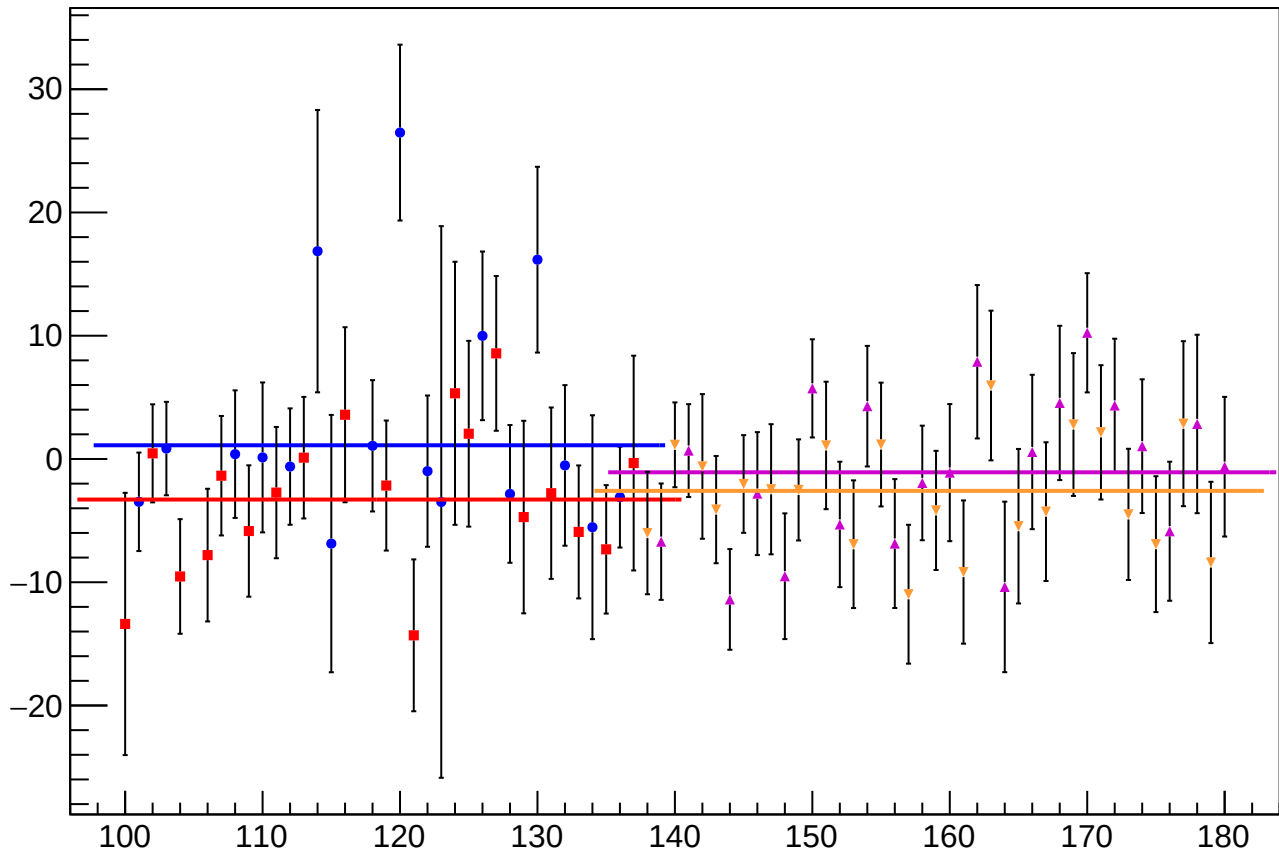
Left In: 5650.912 $\pm$ 0.991 χ^2 /NDF: 270758.8/20

+ sign 6098.531 $\pm$ 0.931 χ^2 /NDF: 3371493.2/38

All: 6136.345 $\pm$ 0.662 χ^2 /NDF: 7230310.2/78

- sign 6174.931 $\pm$ 0.940 χ^2 /NDF: 3855483.8/39

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.587 ± 1.088 χ^2/NDF : 13.4/21

Right Out: -3.290 ± 1.334 χ^2/NDF : 15.1/18

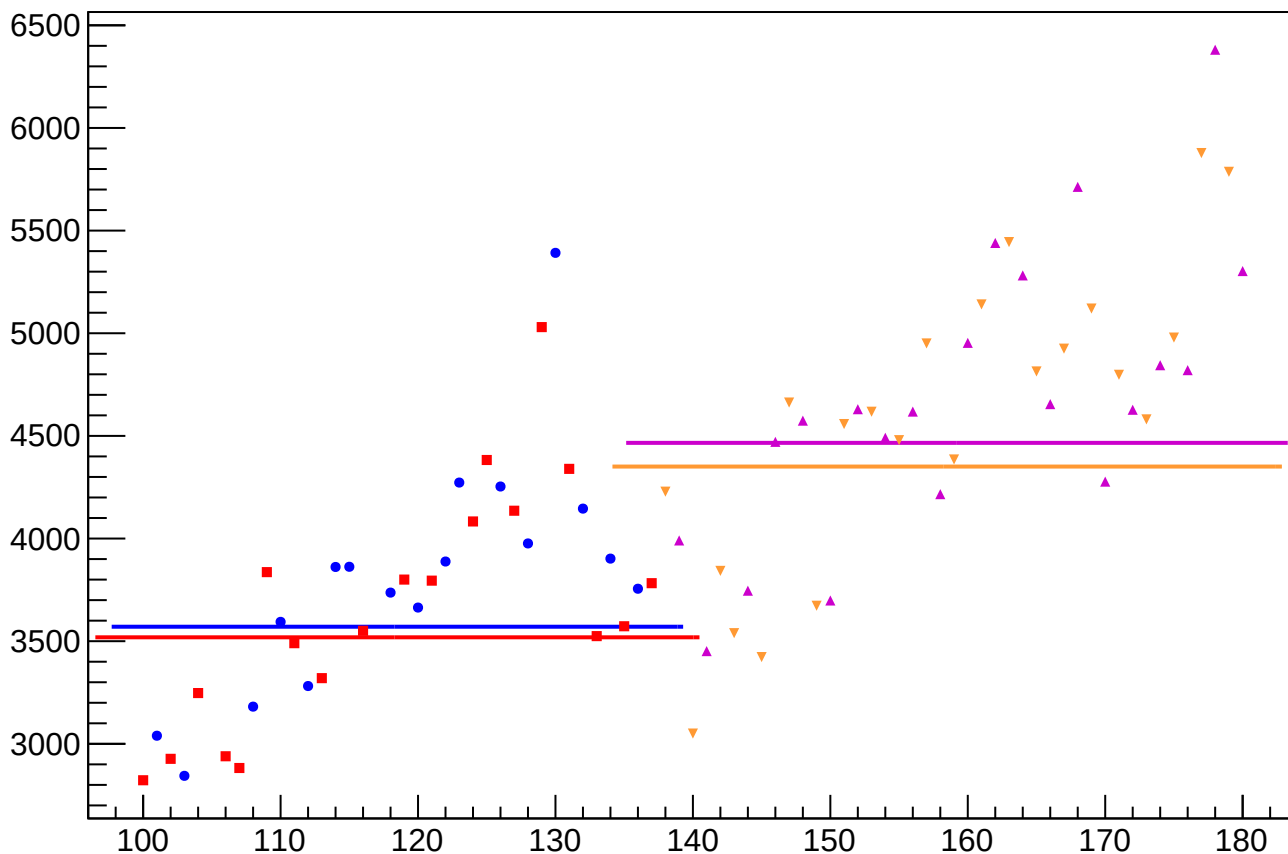
Left In: -1.081 ± 1.116 χ^2/NDF : 29.4/20

+ sign -1.199 ± 0.859 χ^2/NDF : 42.3/38

All: -1.596 ± 0.606 χ^2/NDF : 88.8/78

- sign -1.991 ± 0.856 χ^2/NDF : 46.0/39

diff_bpm16Y_rms vs Slug



Right In: 3570.481 ± 0.992 $\chi^2/\text{NDF}: 309699.2/16$

Left Out: 4350.650 ± 0.769 $\chi^2/\text{NDF}: 987706.6/21$

Right Out: 3518.886 ± 0.943 $\chi^2/\text{NDF}: 293392.5/18$

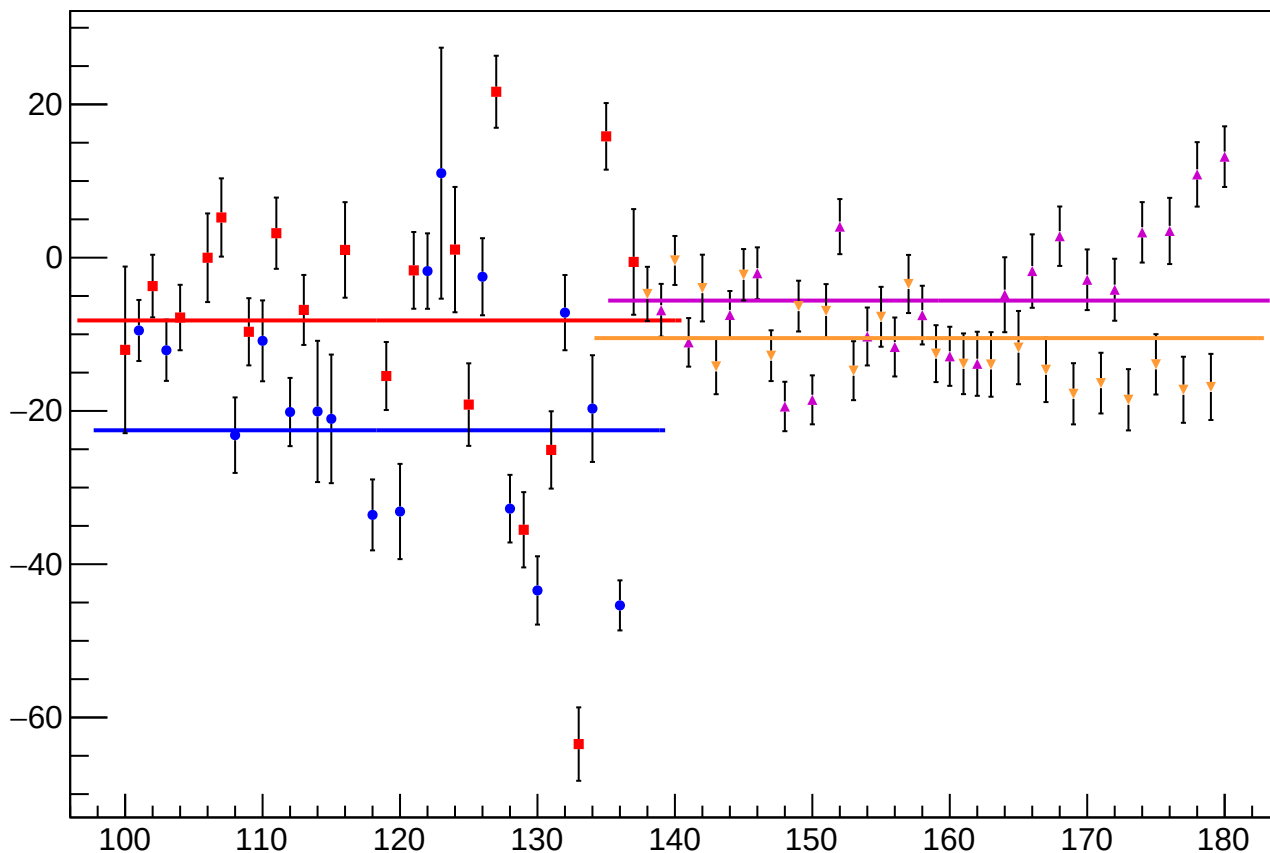
Left In: 4466.082 ± 0.789 $\chi^2/\text{NDF}: 691620.0/20$

+ sign 4057.790 ± 0.608 $\chi^2/\text{NDF}: 1683785.5/38$

All: 4066.889 ± 0.429 $\chi^2/\text{NDF}: 3262564.7/78$

- sign 4075.912 ± 0.605 $\chi^2/\text{NDF}: 1578332.8/39$

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -10.497 ± 0.812 χ^2/NDF : 48.0/21

Right Out: -8.192 ± 1.157 χ^2/NDF : 275.8/18

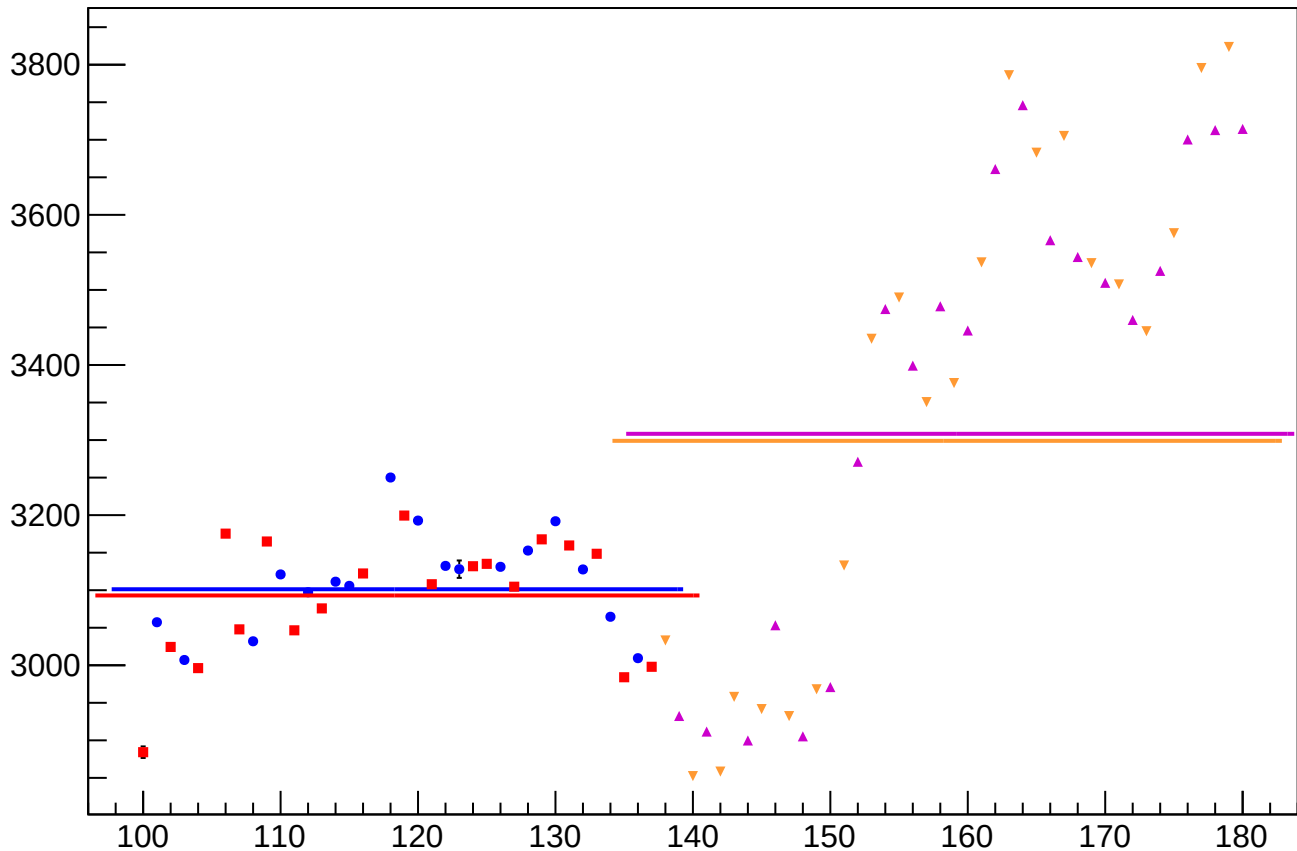
Left In: -5.599 ± 0.819 χ^2/NDF : 111.6/20

+ sign -14.274 ± 0.673 χ^2/NDF : 272.4/38

All: -10.345 ± 0.474 χ^2/NDF : 731.0/78

- sign -6.465 ± 0.668 χ^2/NDF : 390.8/39

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3298.974+/-0.574 χ^2/NDF : 315309.0/21

Right Out: 3092.993+/-0.818 χ^2/NDF : 7766.0/18

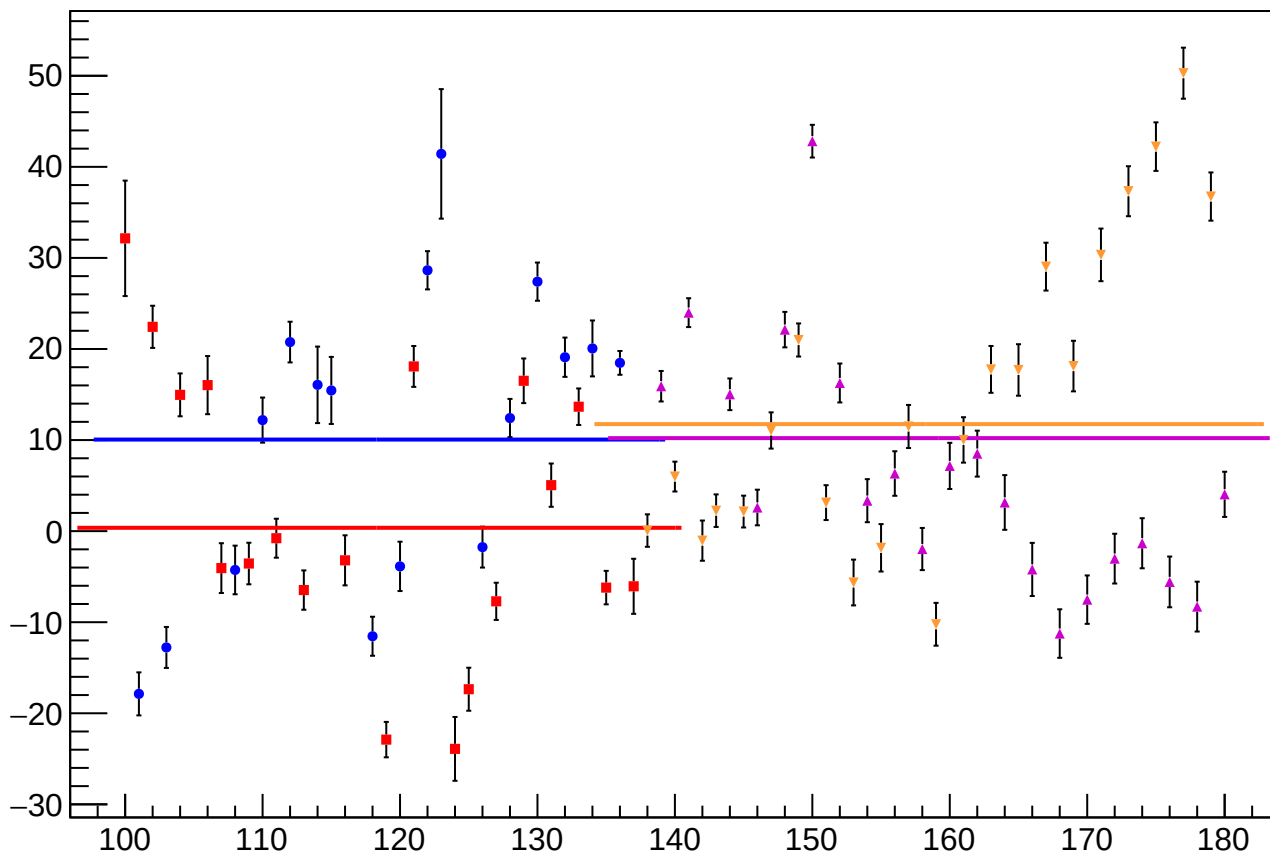
Left In: 3308.325+/-0.579 χ^2/NDF : 279418.7/20

+ sign 3236.899+/-0.476 χ^2/NDF : 359751.7/38

All: 3236.662+/-0.335 χ^2/NDF : 693090.5/78

- sign 3236.428+/-0.473 χ^2/NDF : 333338.3/39

diff_bpm0l01Y_mean vs Slug



Right In: 10.055+/-0.562 χ^2/NDF : 692.2/16

Left Out: 11.751+/-0.477 χ^2/NDF : 952.4/21

Right Out: 0.367+/-0.547 χ^2/NDF : 629.8/18

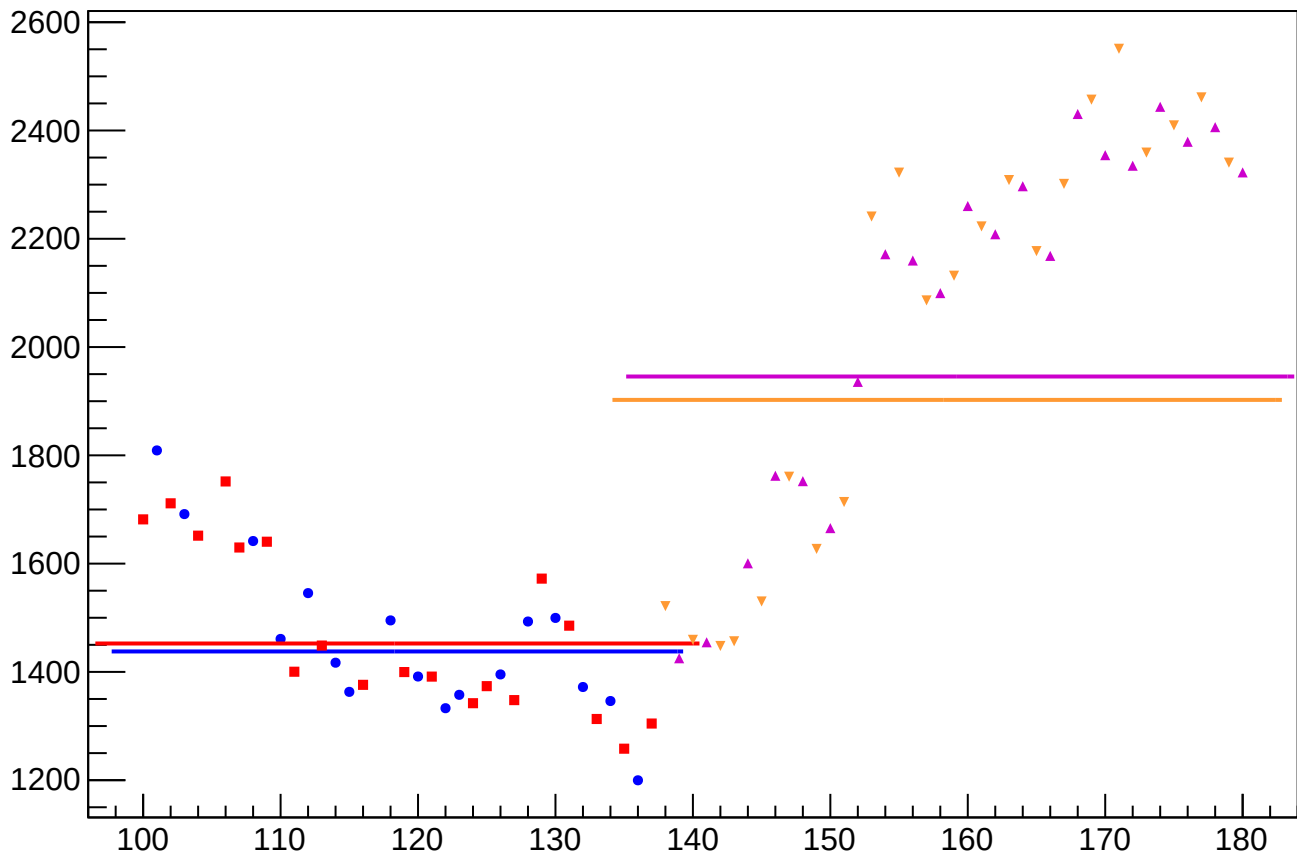
Left In: 10.213+/-0.489 χ^2/NDF : 790.2/20

+ sign 11.041+/-0.363 χ^2/NDF : 1649.9/38

All: 8.449+/-0.257 χ^2/NDF : 3352.2/78

- sign 5.842+/-0.364 χ^2/NDF : 1600.2/39

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1902.401 $\pm$ 0.337 χ^2 /NDF:1323027.5/21

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

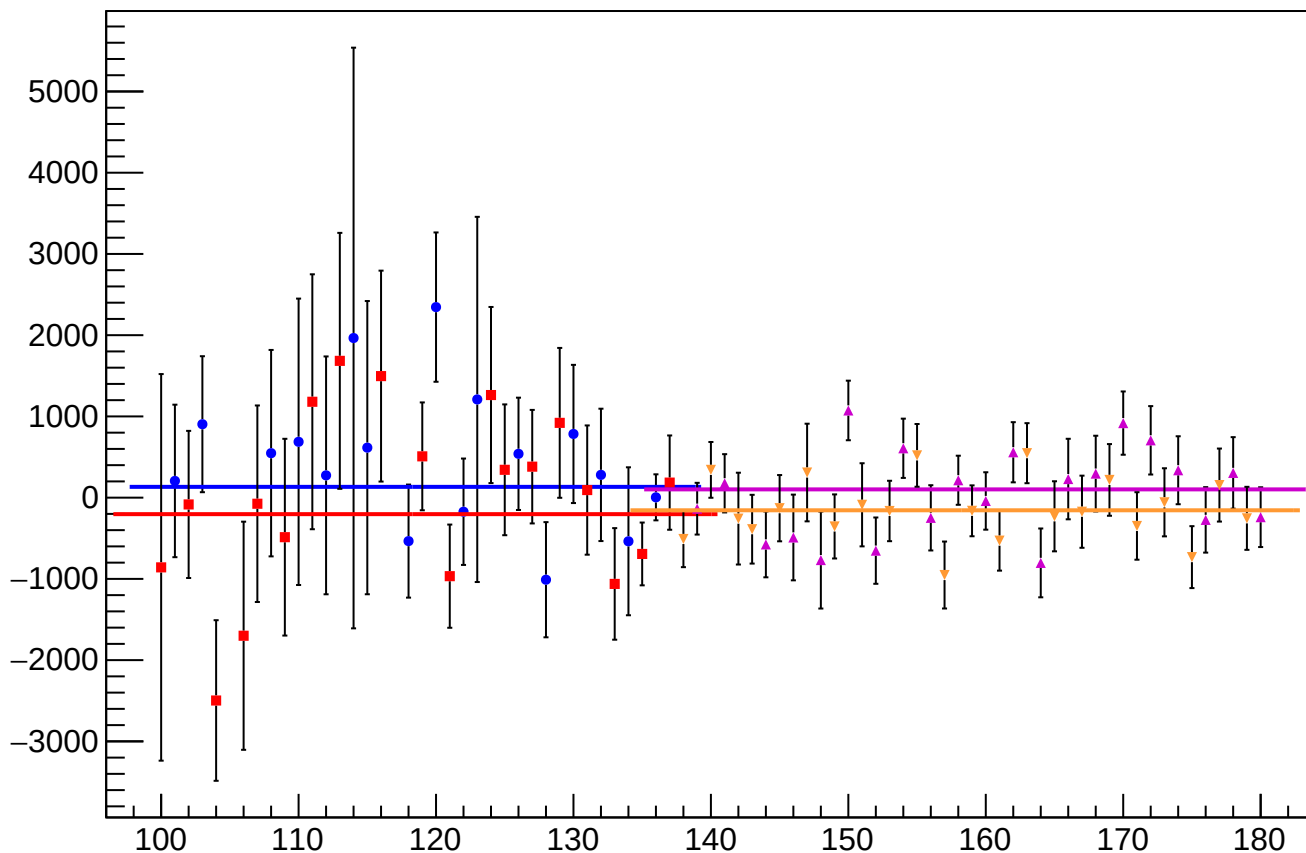
Left In: 1945.605 $\pm$ 0.346 χ^2 /NDF:1054908.1/20

+ sign 1707.875 $\pm$ 0.257 χ^2 /NDF: 2291905.9/38

All: 1717.269 $\pm$ 0.182 χ^2 /NDF: 4392007.8/78

- sign 1726.717 $\pm$ 0.258 χ^2 /NDF: 2097421.3/39

asym_sam1_mean vs Slug



Right In: 132.921 ± 180.271 χ^2/NDF : 12.9/16

Left Out: -155.547 ± 86.137 χ^2/NDF : 19.6/21

Right Out: -203.062 ± 184.353 χ^2/NDF : 21.4/18

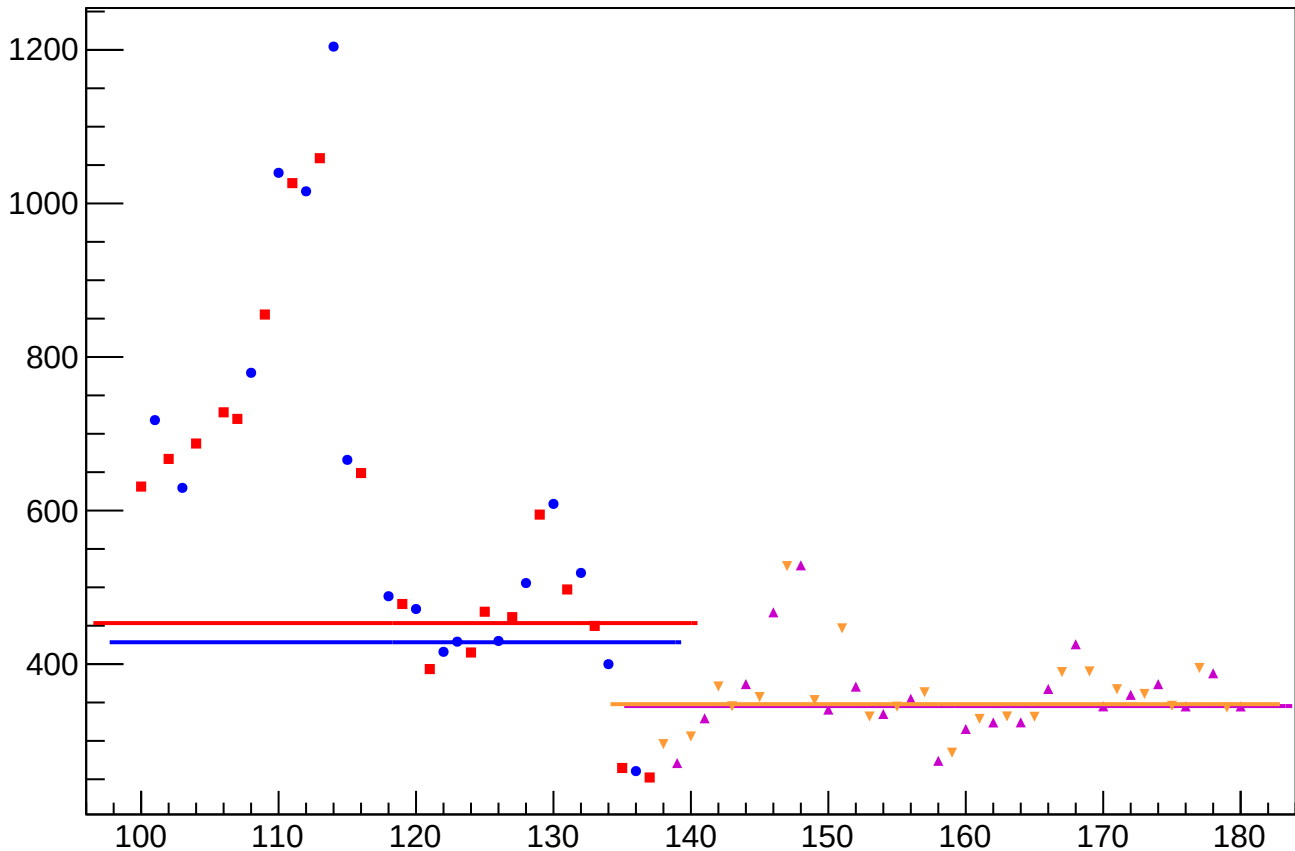
Left In: 101.781 ± 86.247 χ^2/NDF : 35.2/20

+ sign -101.928 ± 77.720 χ^2/NDF : 34.6/38

All: -27.826 ± 55.098 χ^2/NDF : 95.3/78

- sign 47.041 ± 78.121 χ^2/NDF : 58.9/39

asym_sam1_rms vs Slug



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 347.830+/-0.061 χ^2/NDF : 498657.7/21

Right Out: 453.435+/-0.130 χ^2/NDF : 2029813.8/18

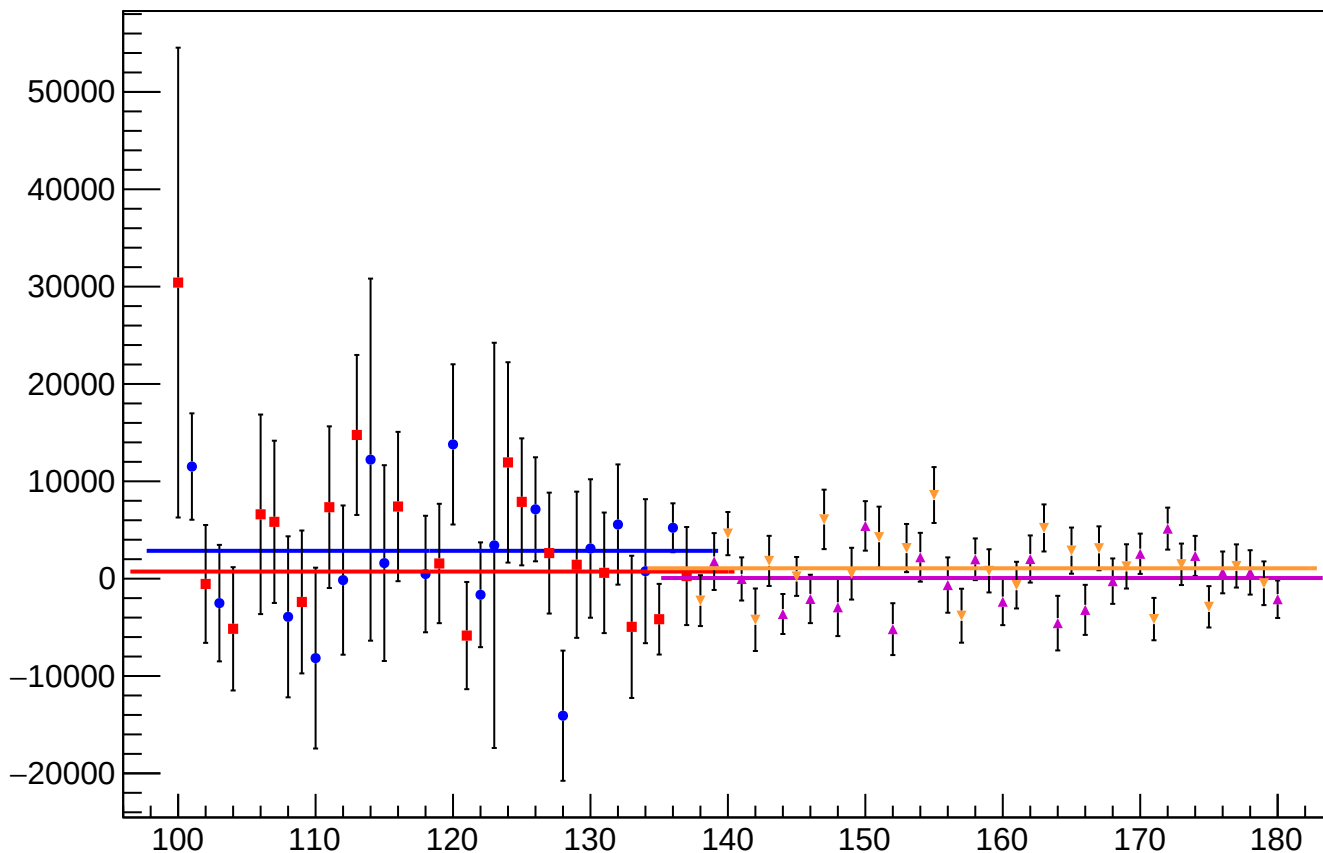
Left In: 345.347+/-0.061 χ^2/NDF : 660472.4/20

+ sign 362.817+/-0.055 χ^2/NDF : 2835846.3/38

All: 363.782+/-0.039 χ^2/NDF : 6090817.5/78

- sign 364.756+/-0.055 χ^2/NDF : 3254352.0/39

asym_sam2_mean vs Slug



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1067.468 $\pm$ 514.075 χ^2 /NDF:36.3/21

Right Out: 729.571 $\pm$ 1509.224 χ^2 /NDF: 14.0/18

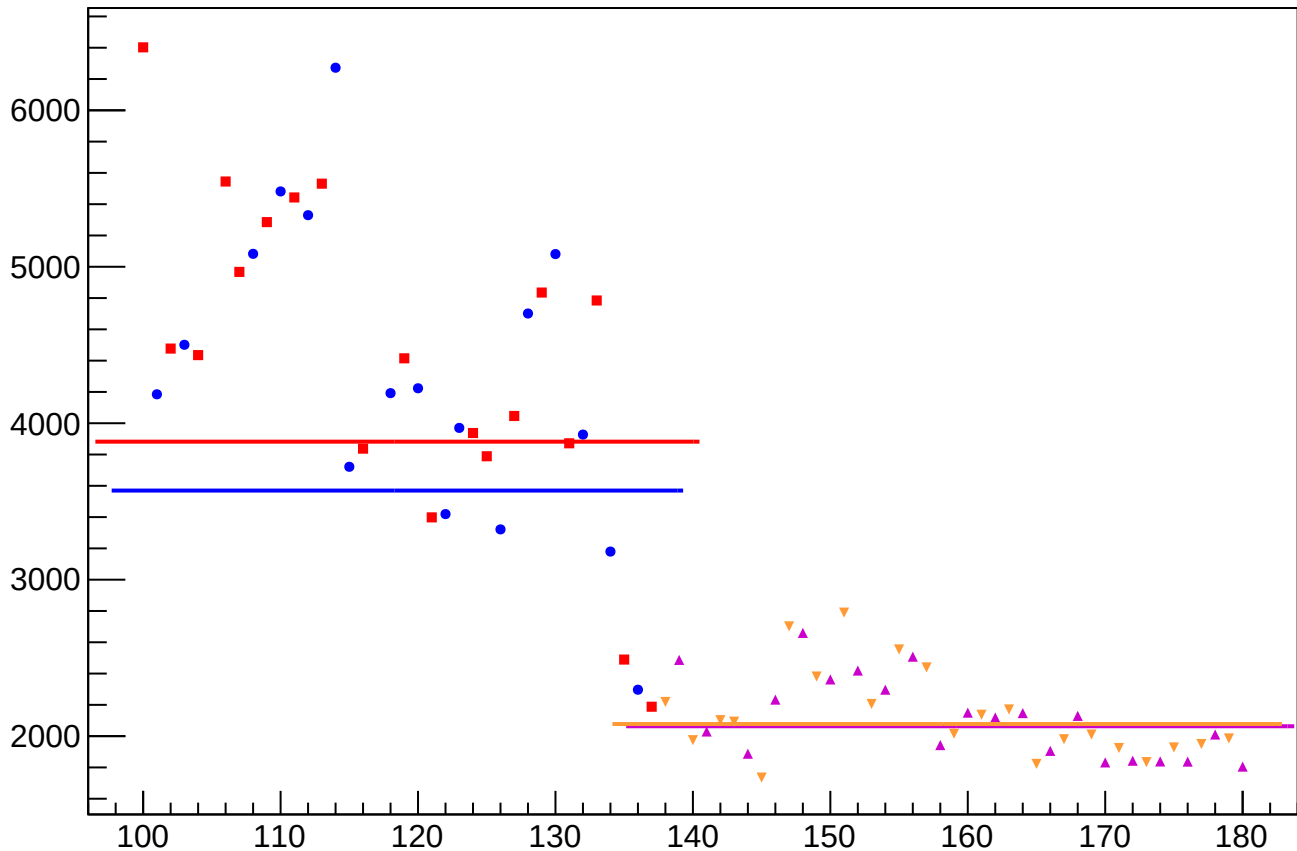
Left In: 65.761 $\pm$ 513.067 χ^2 /NDF:30.9/20

+ sign 1268.100 $\pm$ 484.446 χ^2 /NDF: 54.3/38

All: 702.854 $\pm$ 343.020 χ^2 /NDF: 102.1/78

- sign 134.529 $\pm$ 485.764 χ^2 /NDF: 45.1/39

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2077.399+/-0.364 χ^2/NDF : 466670.9/21

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

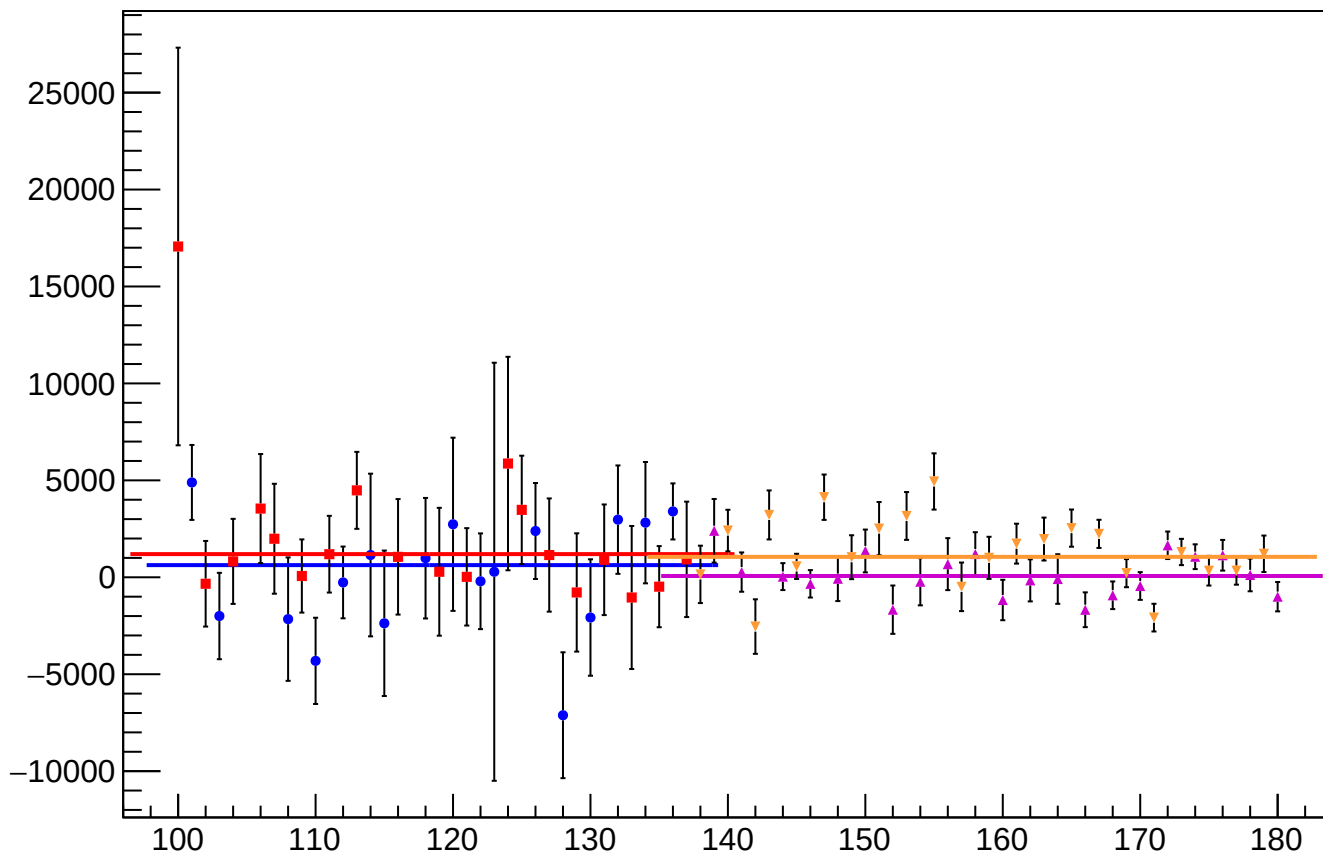
Left In: 2063.219+/-0.363 χ^2/NDF : 427382.3/20

+ sign 2244.455+/-0.343 χ^2/NDF : 3441175.4/38

All: 2248.045+/-0.243 χ^2/NDF : 7456024.2/78

- sign 2251.655+/-0.343 χ^2/NDF : 4014628.5/39

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1054.016 ± 199.907 χ^2/NDF : 60.5/21

Right Out: 1195.385 ± 603.058 χ^2/NDF : 9.9/18

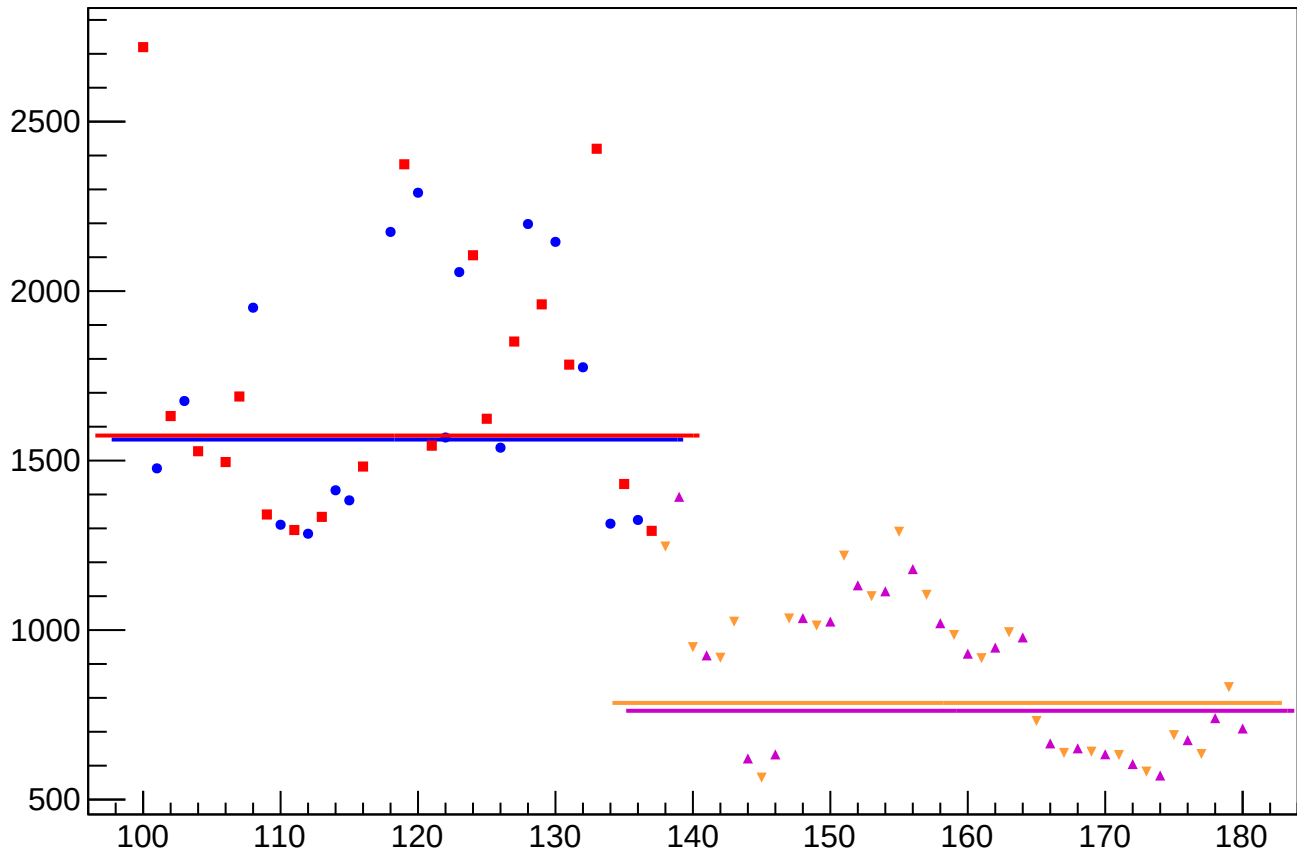
Left In: 67.559 ± 194.765 χ^2/NDF : 25.9/20

+ sign 1013.974 ± 190.288 χ^2/NDF : 86.0/38

All: 582.965 ± 132.770 χ^2/NDF : 135.0/78

- sign 174.086 ± 185.339 χ^2/NDF : 39.0/39

asym_sam3_rms vs Slug



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 785.128 $\pm$ 0.141 χ^2 /NDF: 2169620.1/21

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

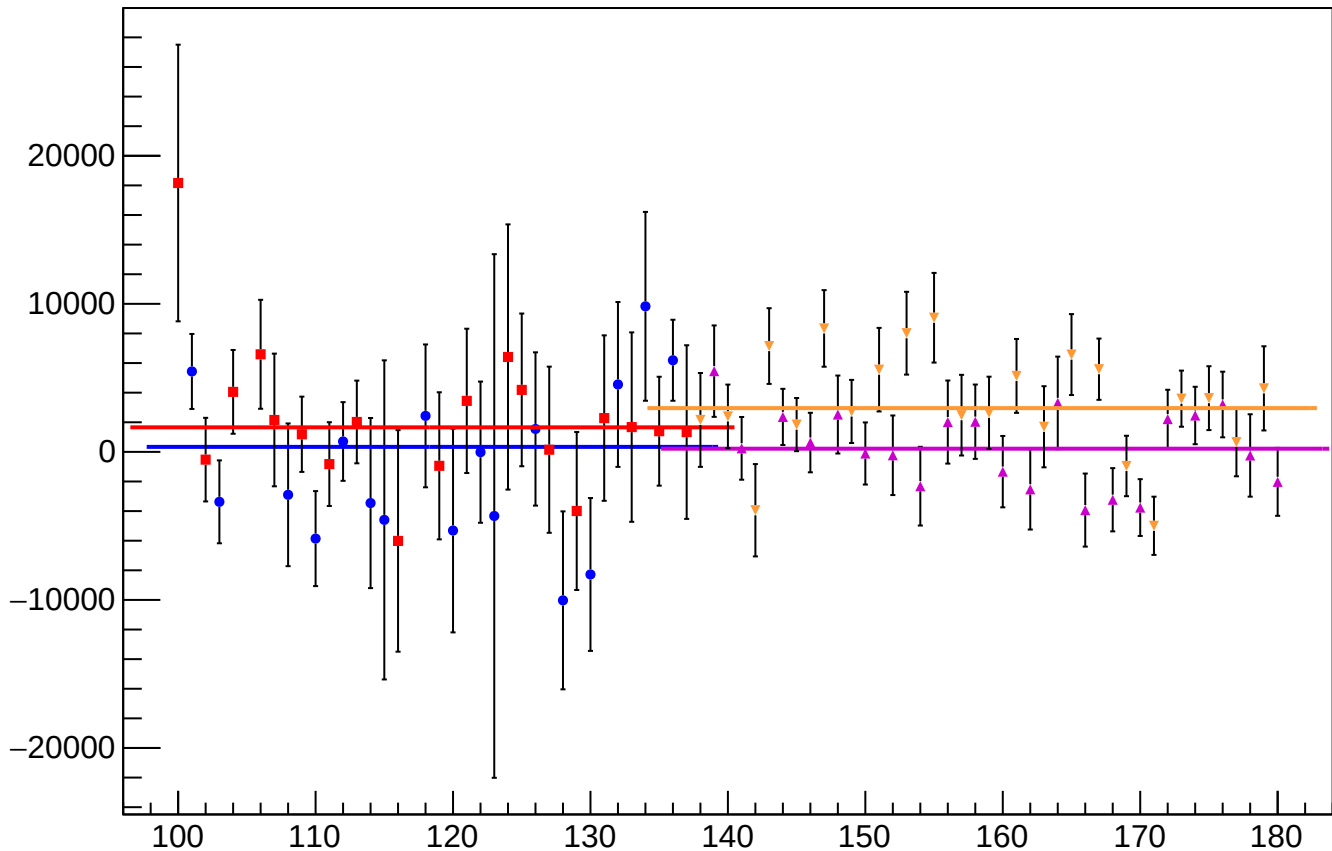
Left In: 761.895 $\pm$ 0.138 χ^2 /NDF: 1981587.8/20

+ sign 858.098 $\pm$ 0.135 χ^2 /NDF: 5489146.3/38

All: 848.088 $\pm$ 0.094 χ^2 /NDF: 11229089.9/78

- sign 838.592 $\pm$ 0.131 χ^2 /NDF: 5729158.3/39

asym_sam4_mean vs Slug



Right In: 338.117+/-995.842 χ^2/NDF : 24.8/16

Left Out: 2956.823+/-507.566 χ^2/NDF : 46.4/21

Right Out: 1658.069+/-924.453 χ^2/NDF : 10.3/18

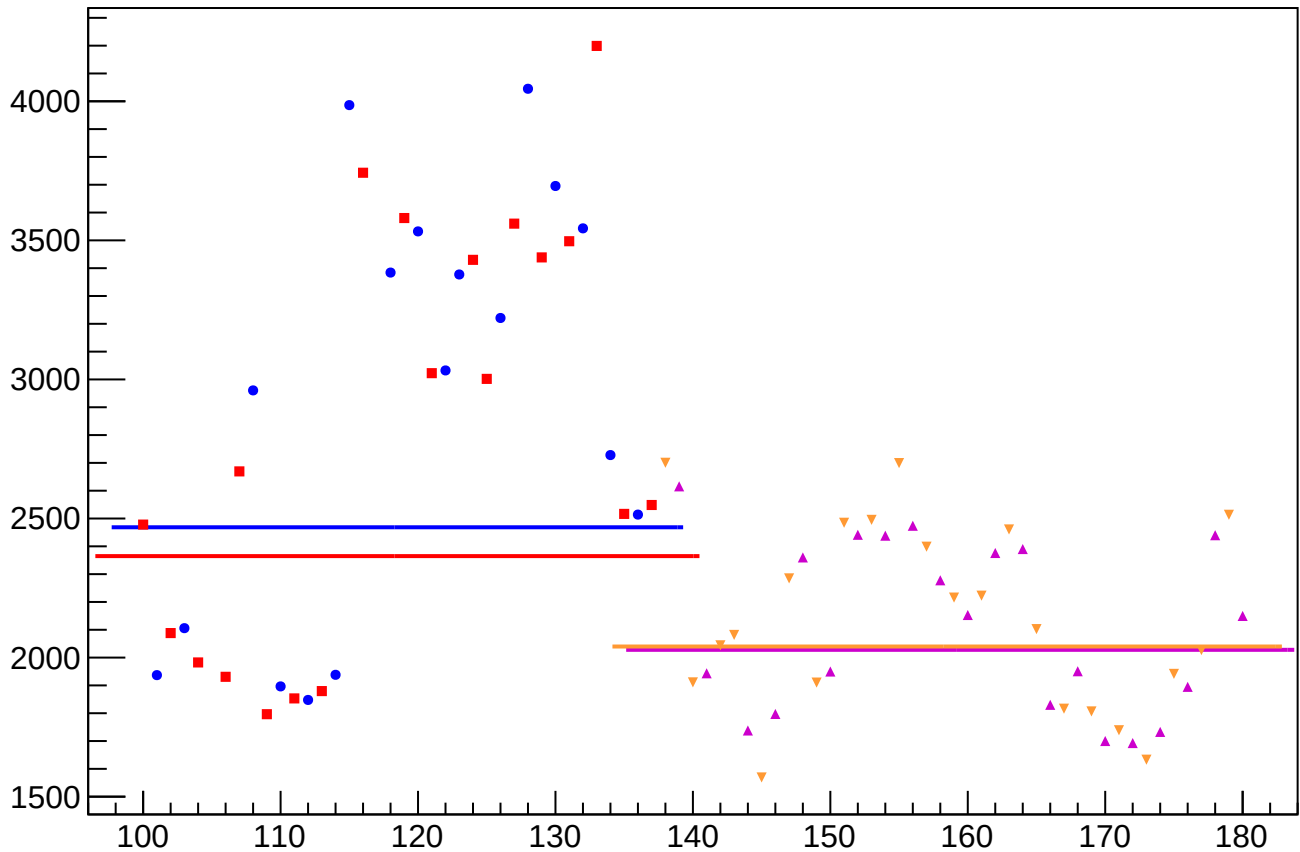
Left In: 215.049+/-506.507 χ^2/NDF : 24.2/20

+ sign 2416.819+/-452.216 χ^2/NDF : 76.7/38

All: 1465.818+/-316.894 χ^2/NDF : 121.7/78

- sign 548.219+/-444.203 χ^2/NDF : 36.3/39

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2039.813+/-0.359 χ^2/NDF : 807256.6/21

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

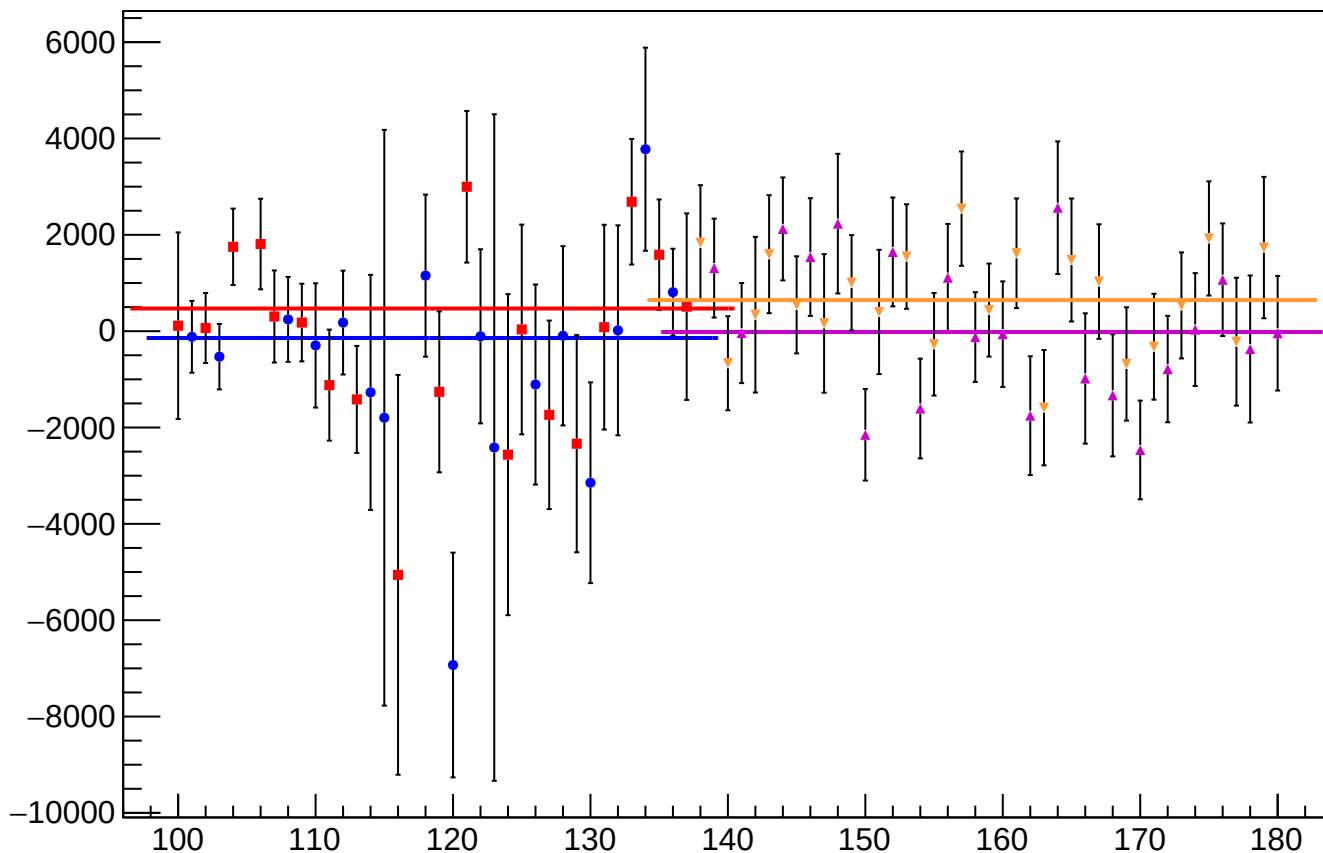
Left In: 2027.917+/-0.358 χ^2/NDF : 647826.0/20

+ sign 2128.210+/-0.320 χ^2/NDF : 1997589.7/38

All: 2116.757+/-0.224 χ^2/NDF : 3877410.8/78

- sign 2105.705+/-0.314 χ^2/NDF : 1877300.1/39

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 645.006+/-247.584 χ^2/NDF : 16.7/21

Right Out: 470.143+/-282.892 χ^2/NDF : 22.9/18

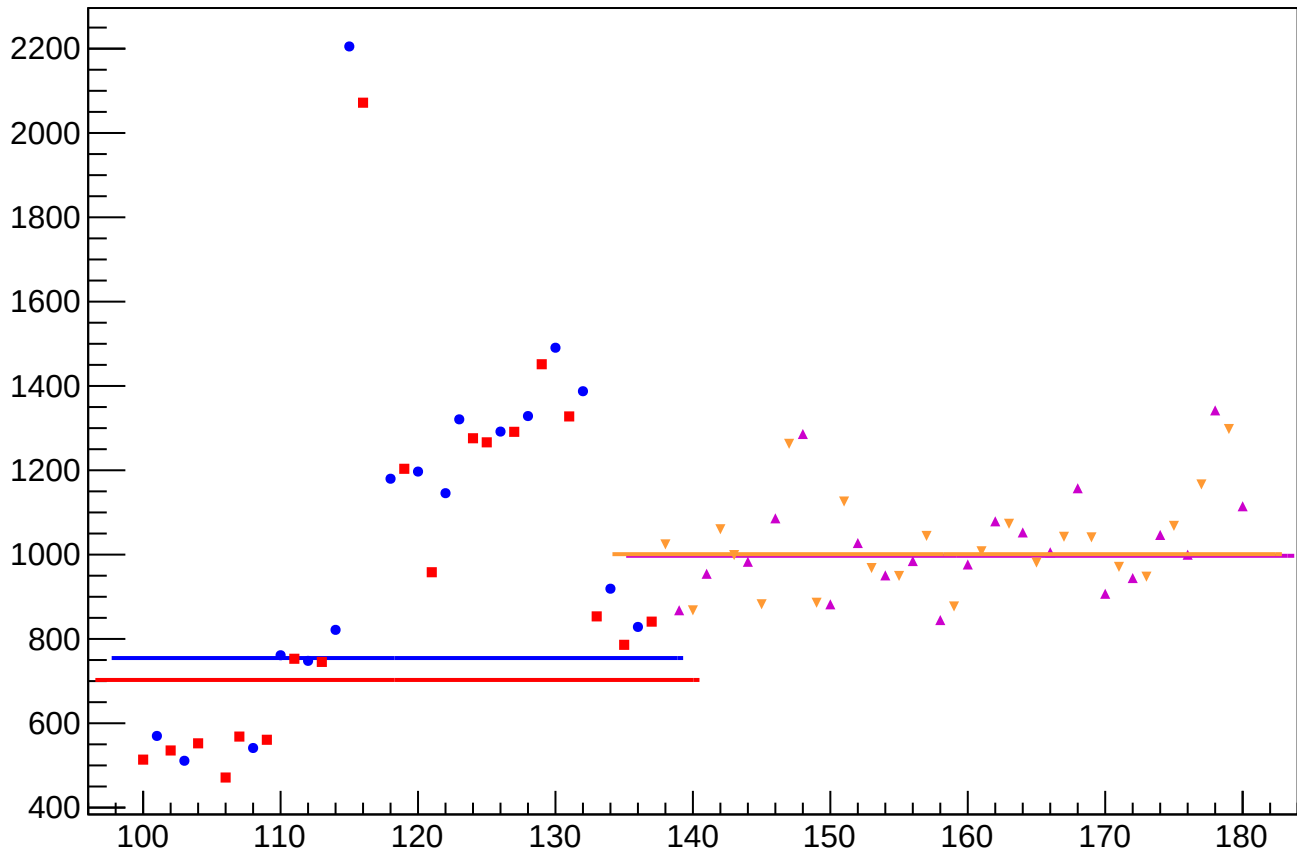
Left In: -17.133+/-248.202 χ^2/NDF : 34.5/20

+ sign 342.789+/-194.256 χ^2/NDF : 37.5/38

All: 265.816+/-134.561 χ^2/NDF : 96.9/78

- sign 194.813+/-186.572 χ^2/NDF : 59.1/39

asym_sam5_rms vs Slug



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 1001.052 $\pm$ 0.175 χ^2 /NDF: 360737.2/21

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

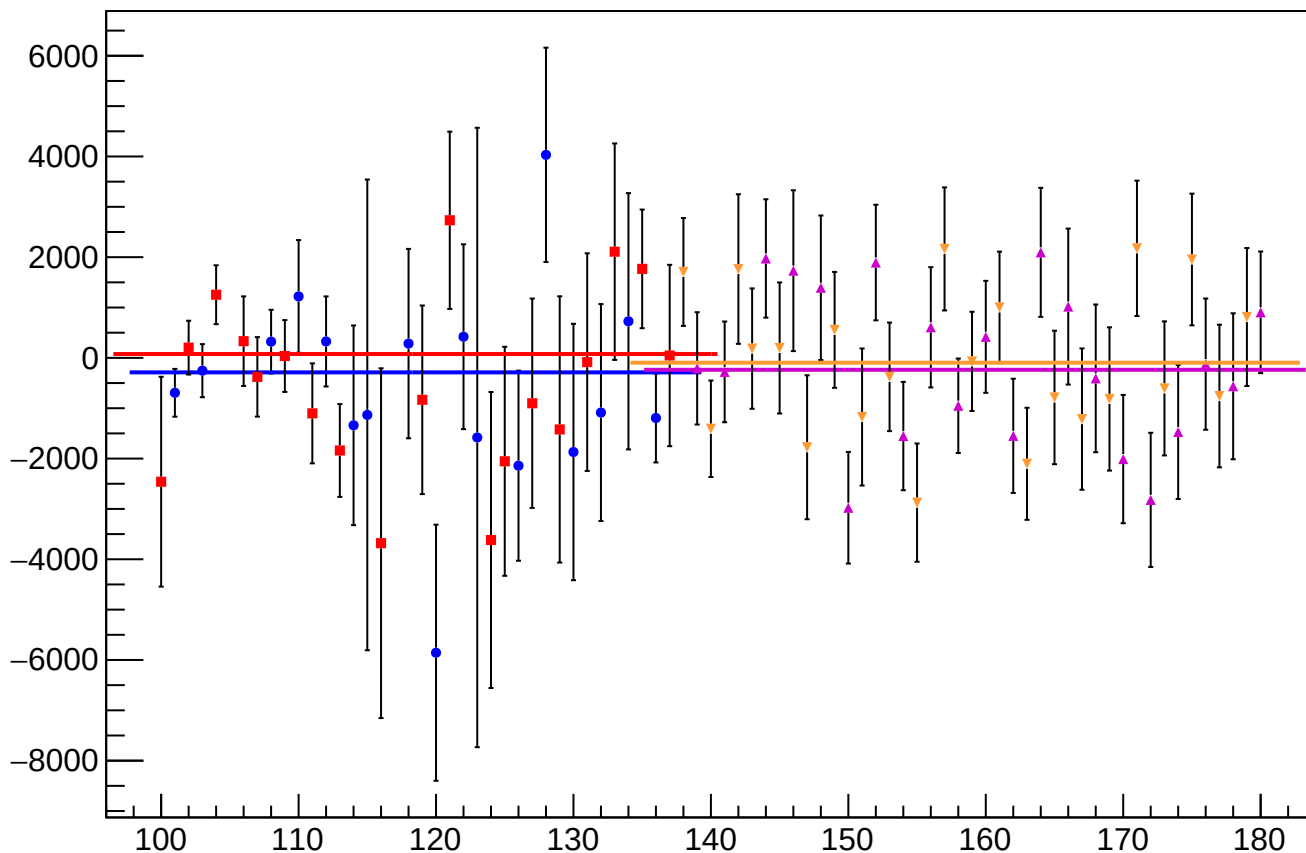
Left In: 997.187 $\pm$ 0.176 χ^2 /NDF: 403986.2/20

+ sign 906.350 $\pm$ 0.137 χ^2 /NDF: 2812612.4/38

All: 886.977 $\pm$ 0.095 χ^2 /NDF: 6170877.3/78

- sign 869.106 $\pm$ 0.132 χ^2 /NDF: 3320024.0/39

asym_sam6_mean vs Slug



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -95.934+/-260.832 χ^2/NDF : 29.3/21

Right Out: 76.119+/-246.083 χ^2/NDF : 21.4/18

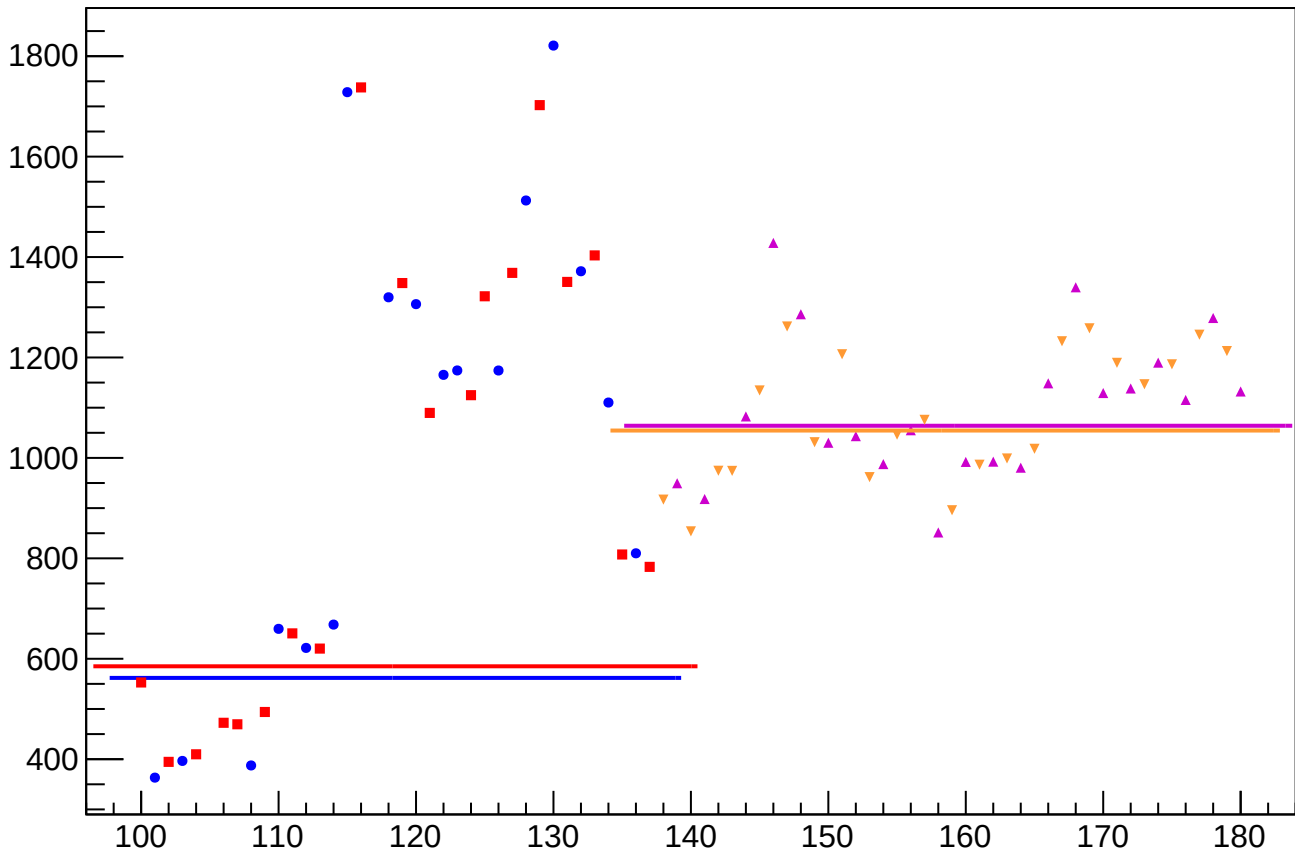
Left In: -236.745+/-264.914 χ^2/NDF : 31.7/20

+ sign -195.890+/-180.648 χ^2/NDF : 45.8/38

All: -132.221+/-127.613 χ^2/NDF : 99.8/78

- sign -68.799+/-180.297 χ^2/NDF : 53.8/39

asym_sam6_rms vs Slug



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1054.507 $\pm$ 0.184 χ^2 /NDF: 478428.5/21

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

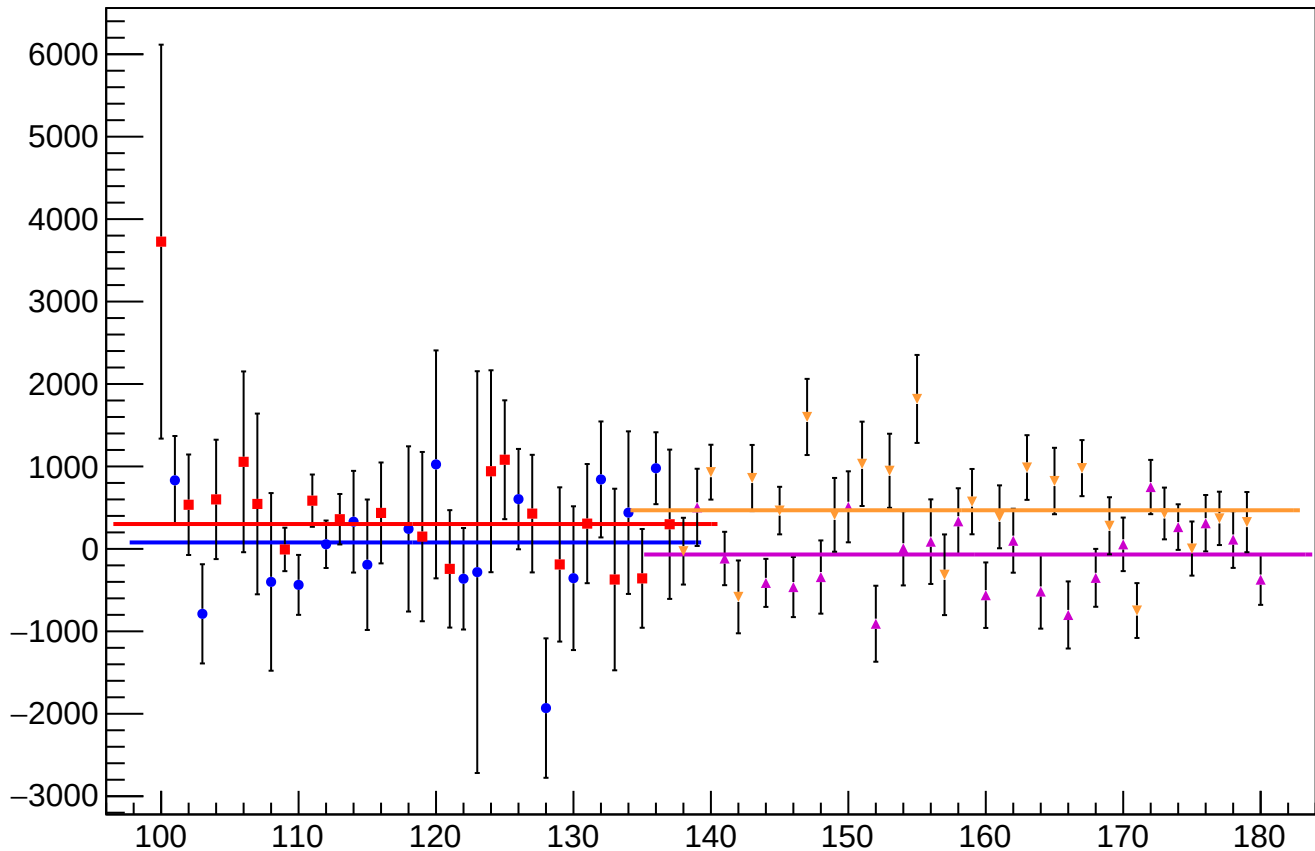
Left In: 1064.030 $\pm$ 0.187 χ^2 /NDF: 515292.3/20

+ sign 798.187 $\pm$ 0.128 χ^2 /NDF: 7406976.2/38

All: 802.543 $\pm$ 0.090 χ^2 /NDF: 14259563.1/78

- sign 806.882 $\pm$ 0.127 χ^2 /NDF: 6850265.9/39

asym_sam7_mean vs Slug



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 468.462 ± 80.831 χ^2/NDF : 48.2/21

Right Out: 301.651 ± 129.650 χ^2/NDF : 9.1/18

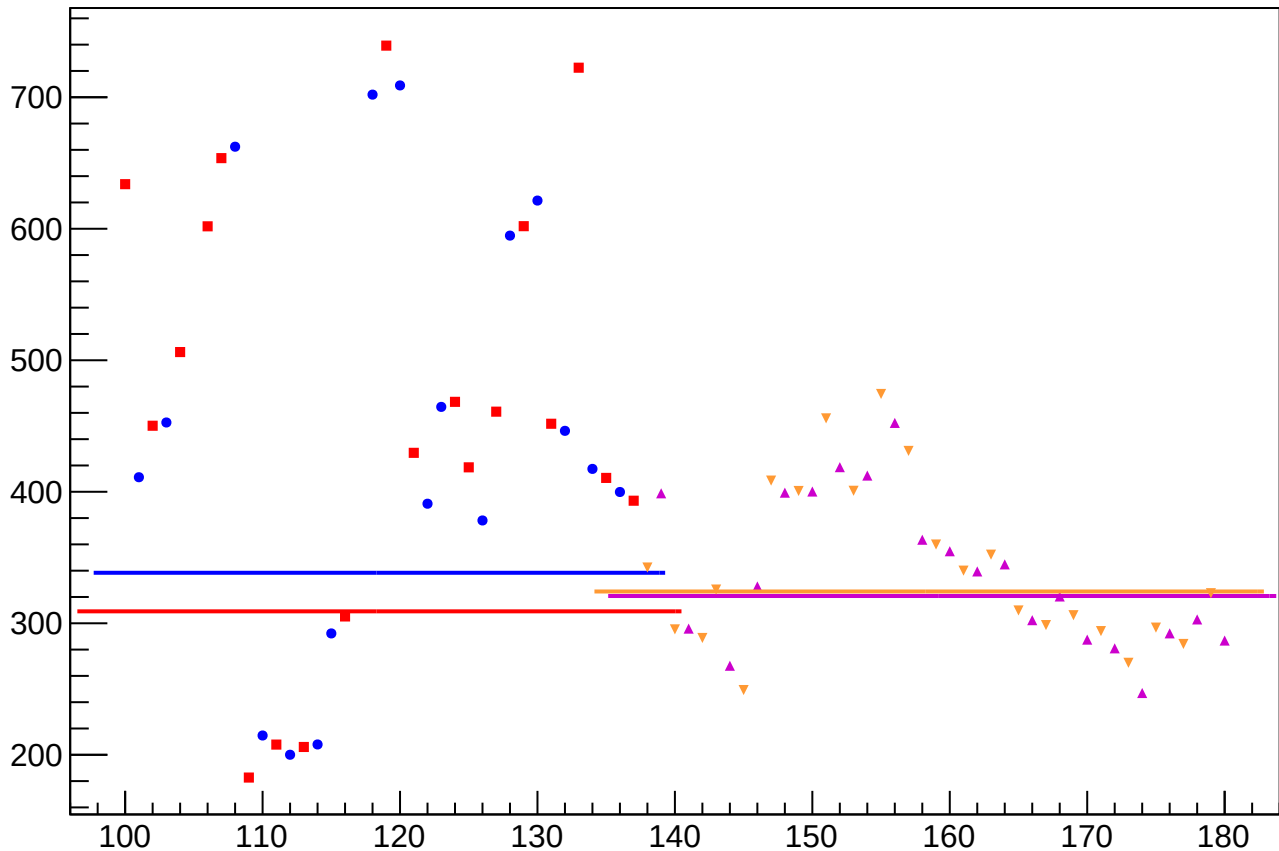
Left In: -67.949 ± 80.314 χ^2/NDF : 27.6/20

+ sign 373.829 ± 70.352 χ^2/NDF : 73.6/38

All: 199.108 ± 48.996 χ^2/NDF : 128.2/78

- sign 34.549 ± 68.275 χ^2/NDF : 42.6/39

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 324.186 $\pm$ 0.057 χ^2 /NDF: 906135.0/21

+ sign 327.634 $\pm$ 0.050 χ^2 /NDF: 2930435.0/38

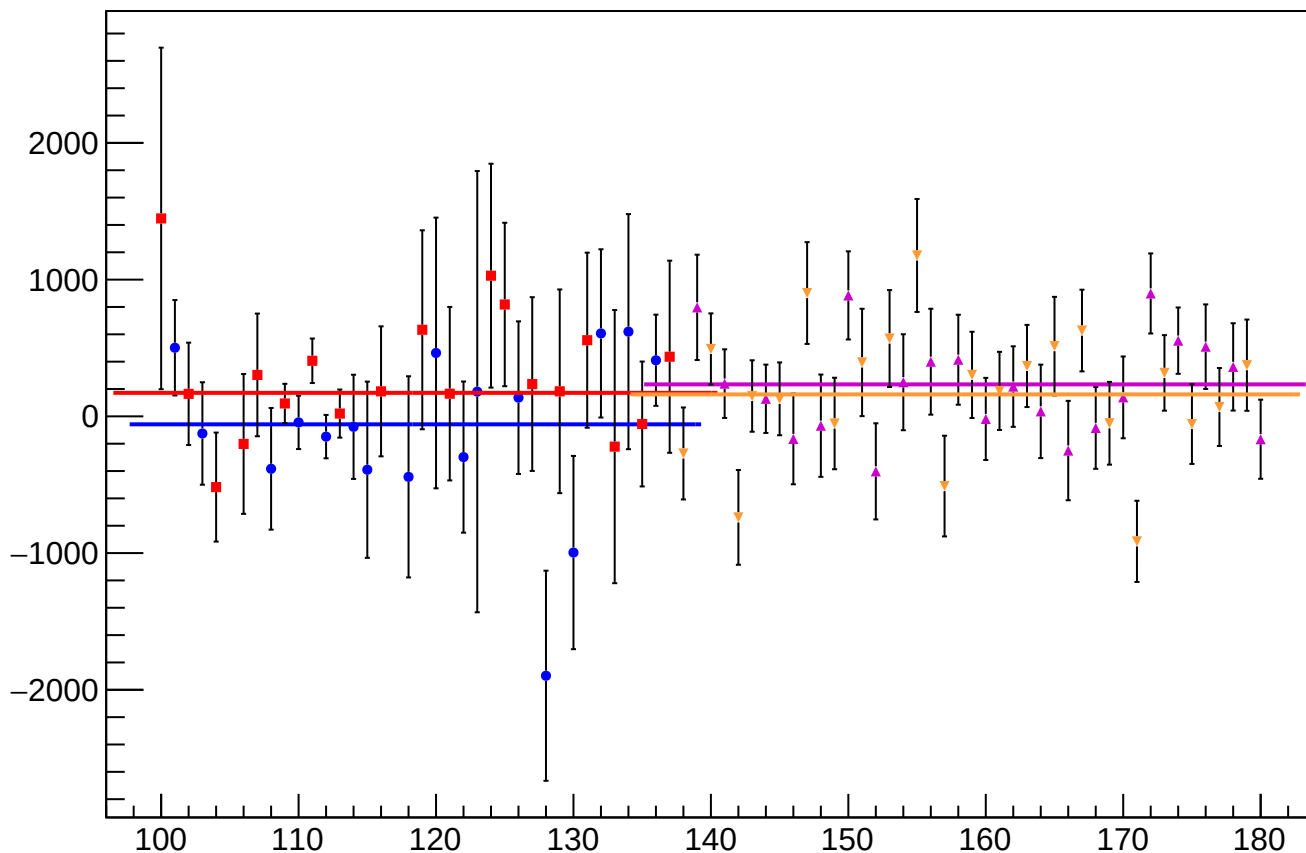
Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

All: 322.420 $\pm$ 0.035 χ^2 /NDF: 6554568.6/78

Left In: 320.742 $\pm$ 0.057 χ^2 /NDF: 857638.0/20

- sign 317.508 $\pm$ 0.048 χ^2 /NDF: 3602795.8/39

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 160.570 ± 66.639 $\chi^2/\text{NDF}: 44.5/21$

Right Out: 171.954 ± 76.920 $\chi^2/\text{NDF}: 11.3/18$

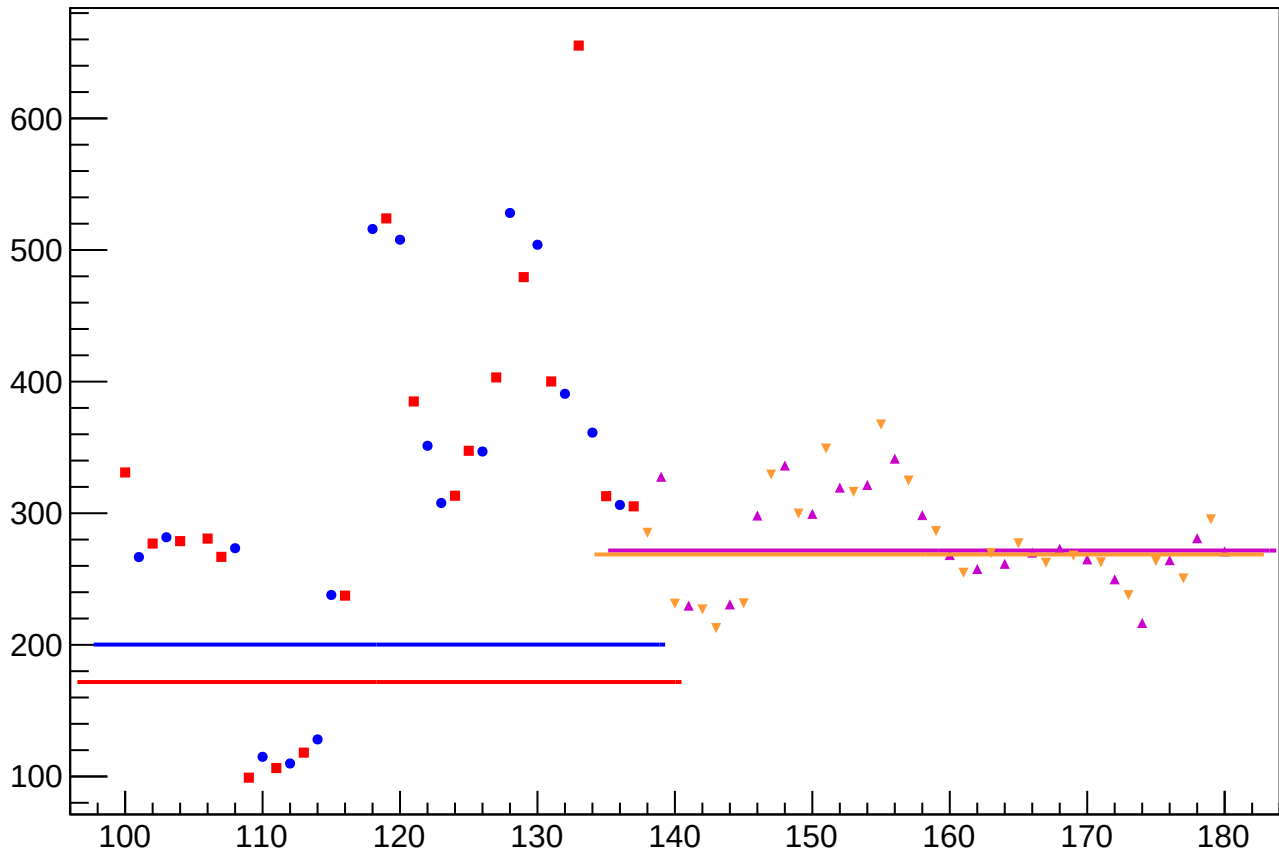
Left In: 233.846 ± 67.637 $\chi^2/\text{NDF}: 26.1/20$

+ sign 83.604 ± 53.657 $\chi^2/\text{NDF}: 64.2/38$

All: 148.609 ± 36.887 $\chi^2/\text{NDF}: 104.8/78$

- sign 206.858 ± 50.793 $\chi^2/\text{NDF}: 37.8/39$

asym_sam8_rms vs Slug



Right In: 200.209 $\pm$ 0.064 χ^2 /NDF: 3387197.7/16

Left Out: 268.672 $\pm$ 0.047 χ^2 /NDF: 617277.5/21

Right Out: 171.757 $\pm$ 0.054 χ^2 /NDF: 4093922.6/18

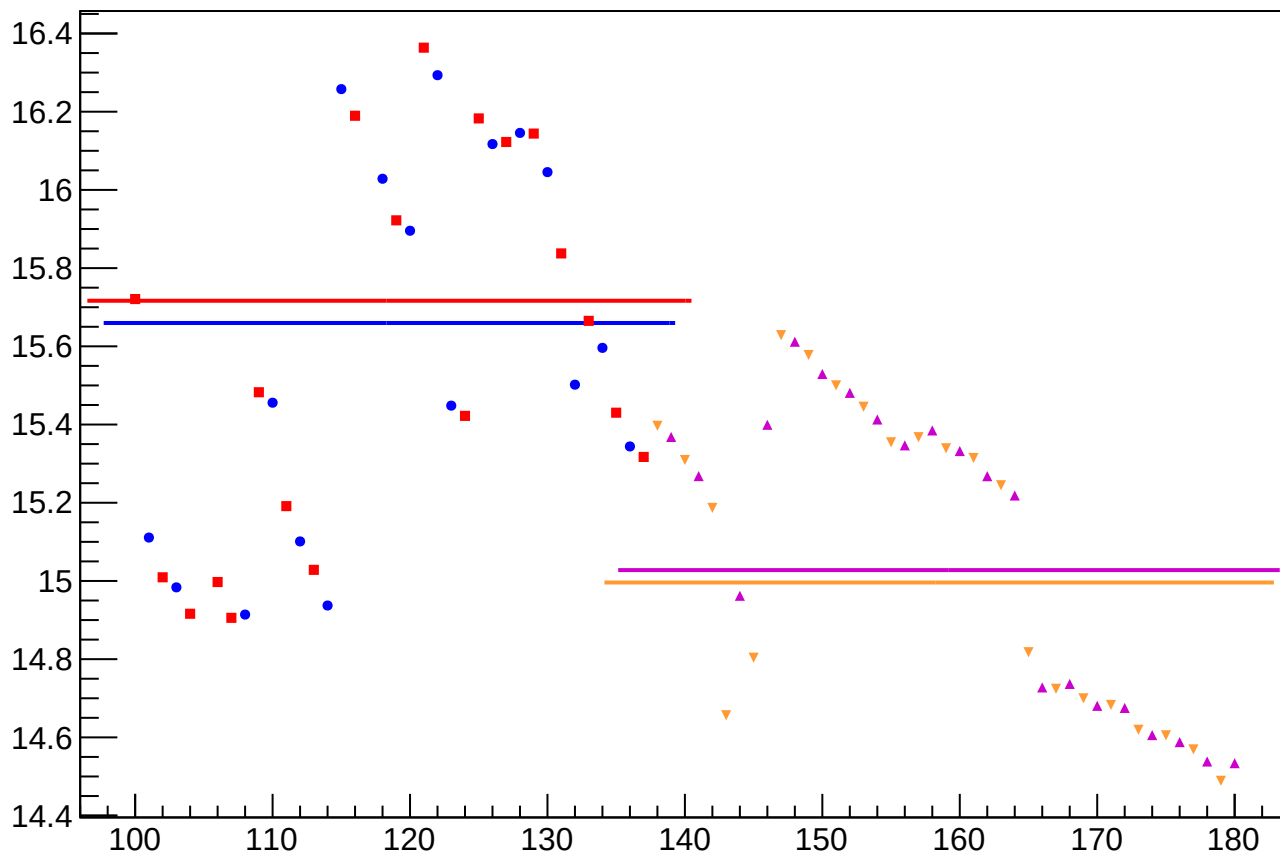
Left In: 271.653 $\pm$ 0.048 χ^2 /NDF: 519386.1/20

+ sign 244.597 $\pm$ 0.038 χ^2 /NDF: 4746826.1/38

All: 235.893 $\pm$ 0.026 χ^2 /NDF: 11362260.4/78

- sign 228.094 $\pm$ 0.036 χ^2 /NDF: 6515652.5/39

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 14.996 $\pm$ 0.000 χ^2 /NDF: 20340324993.6/21

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

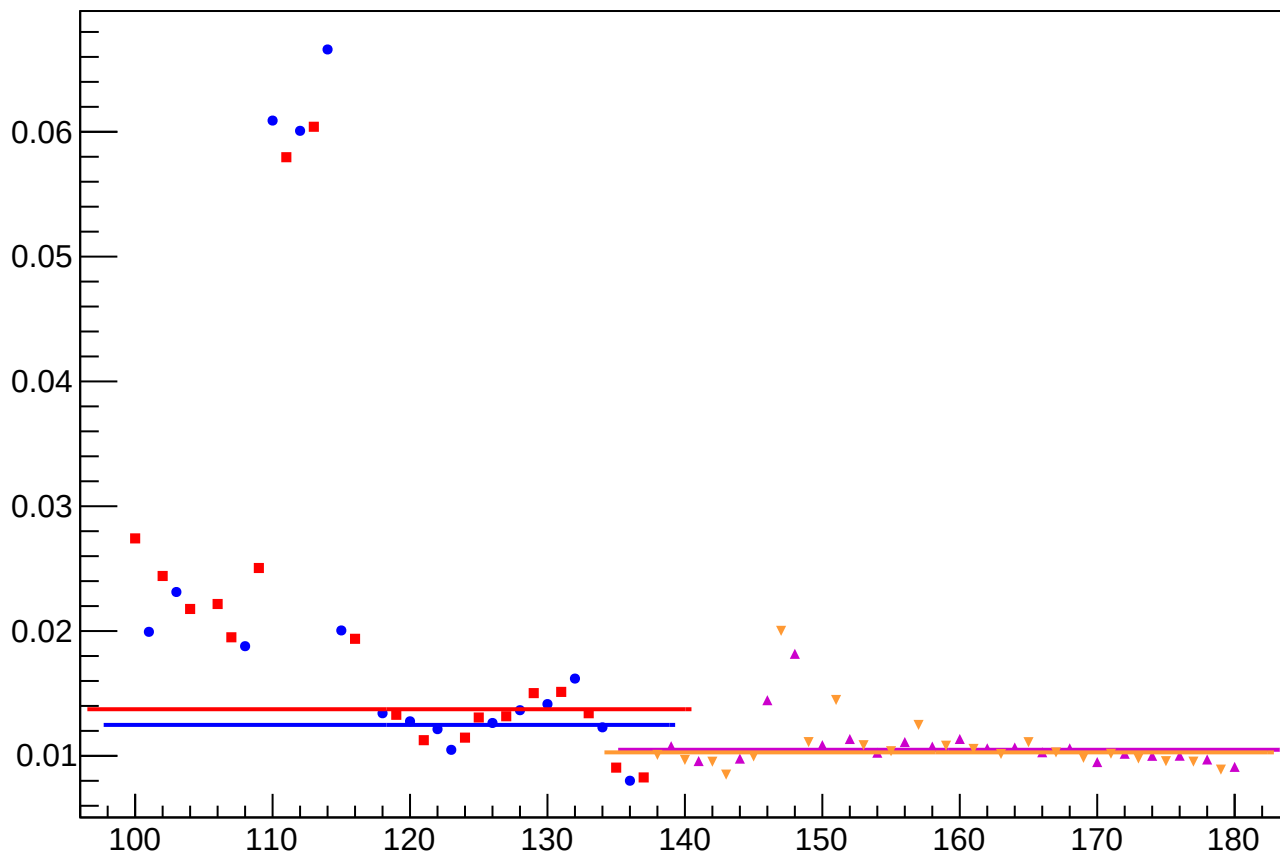
Left In: 15.028 $\pm$ 0.000 χ^2 /NDF: 19380669051.0/20

+ sign 15.118 $\pm$ 0.000 χ^2 /NDF: 38023147945.7/38

All: 15.131 $\pm$ 0.000 χ^2 /NDF: 74293999971.9

- sign 15.145 $\pm$ 0.000 χ^2 /NDF: 36207153999.6/39

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 2152911.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 674551.3/21

Right Out: 0.014+/-0.000 χ^2/NDF : 2077569.4/18

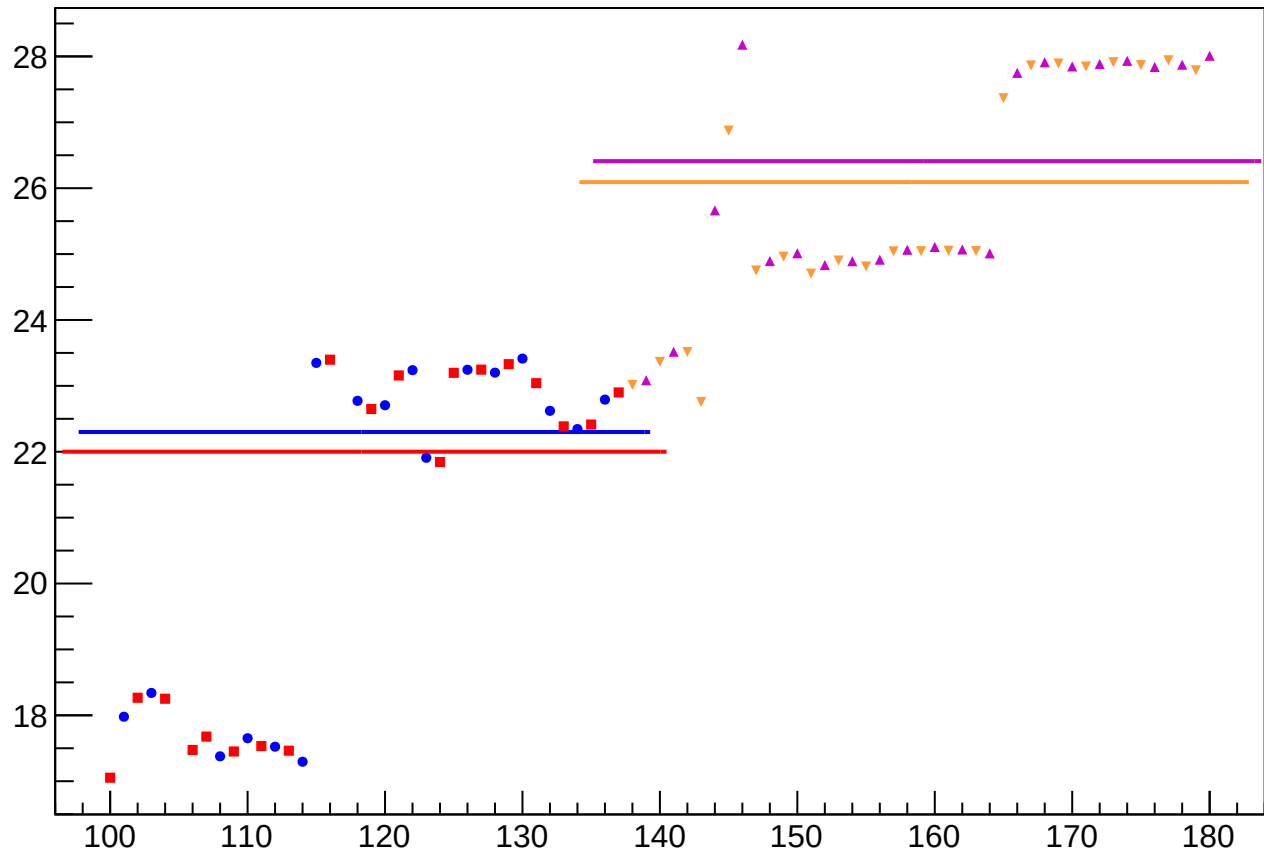
Left In: 0.010+/-0.000 χ^2/NDF : 507253.8/20

+ sign 0.011+/-0.000 χ^2/NDF : 3089139.7/38

All: 0.011+/-0.000 χ^2/NDF : 6201665.0/78

- sign 0.011+/-0.000 χ^2/NDF : 3090336.8/39

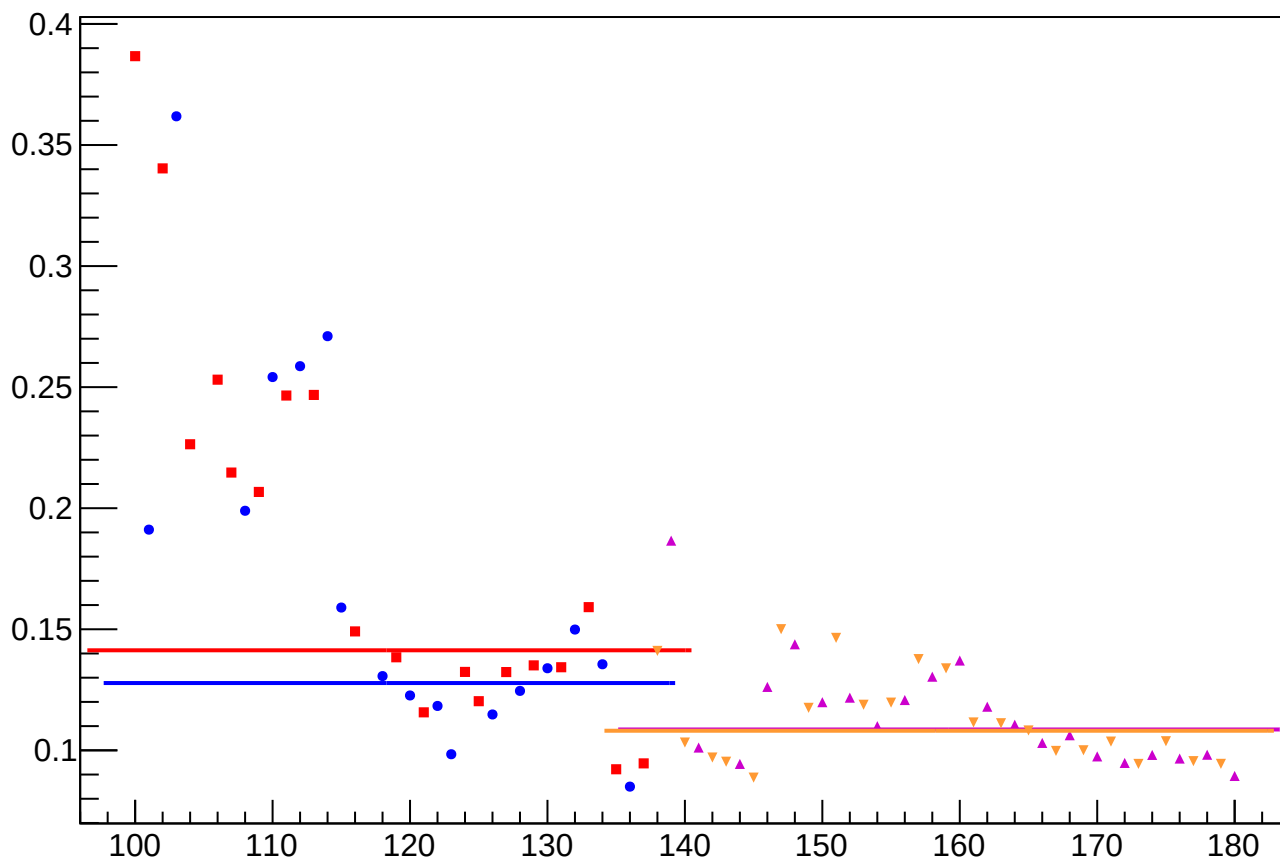
yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2 /NDF: 938398636.8/16
 Left Out: 26.093+/-0.000 χ^2 /NDF:3904609017.2/21
 Right Out: 22.001+/-0.000 χ^2 /NDF: 1066041325.5/18
 Left In: 26.411+/-0.000 χ^2 /NDF:3071000381.0/20

+ sign 25.324+/-0.000 χ^2 /NDF: 8395722362.6/38
 All: 25.451+/-0.000 χ^2 /NDF: 16938906098.0
 - sign 25.583+/-0.000 χ^2 /NDF: 8493100923.2/39

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.108+/-0.000 χ^2/NDF : 628019.0/21

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

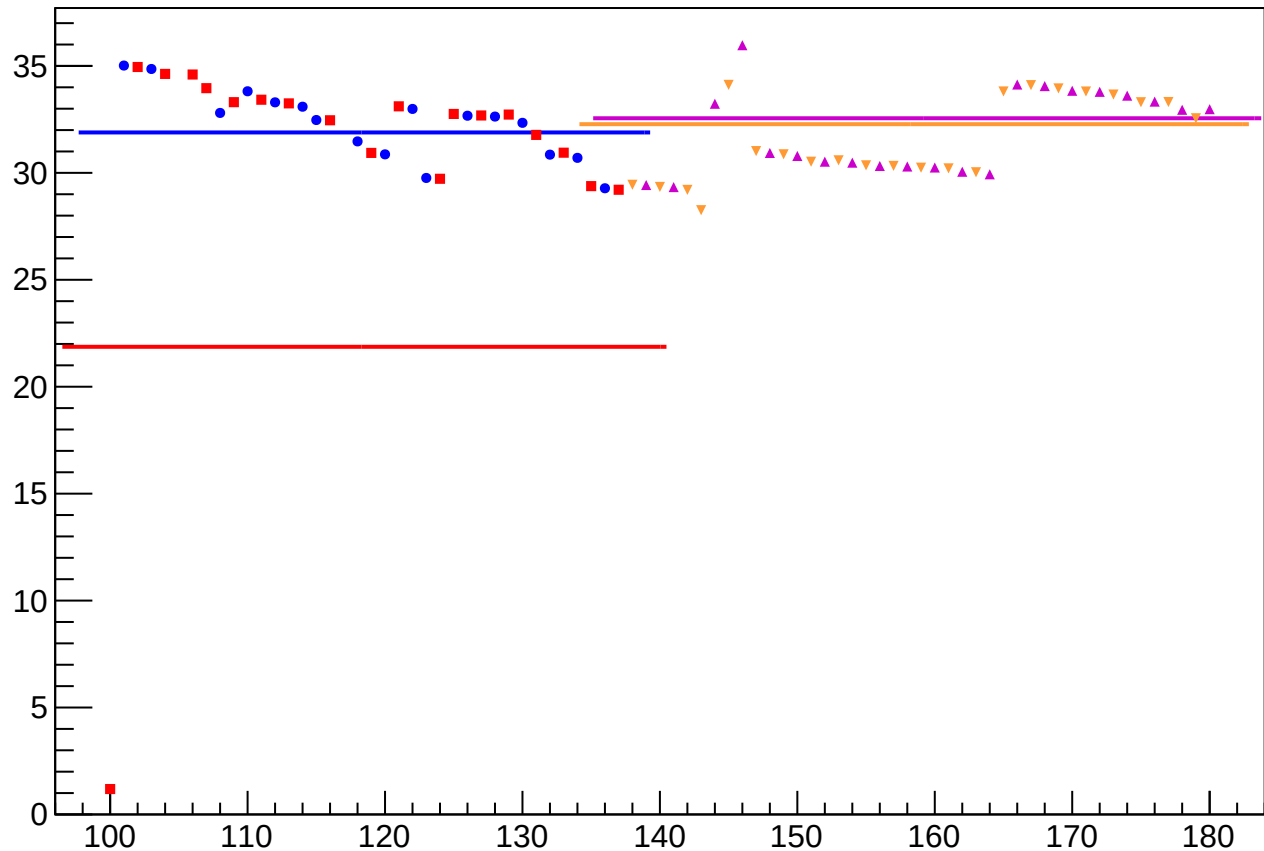
Left In: 0.109+/-0.000 χ^2/NDF : 731341.0/20

+ sign 0.112+/-0.000 χ^2/NDF : 2311716.8/38

All: 0.113+/-0.000 χ^2/NDF : 4982000.7/78

- sign 0.115+/-0.000 χ^2/NDF : 2659632.8/39

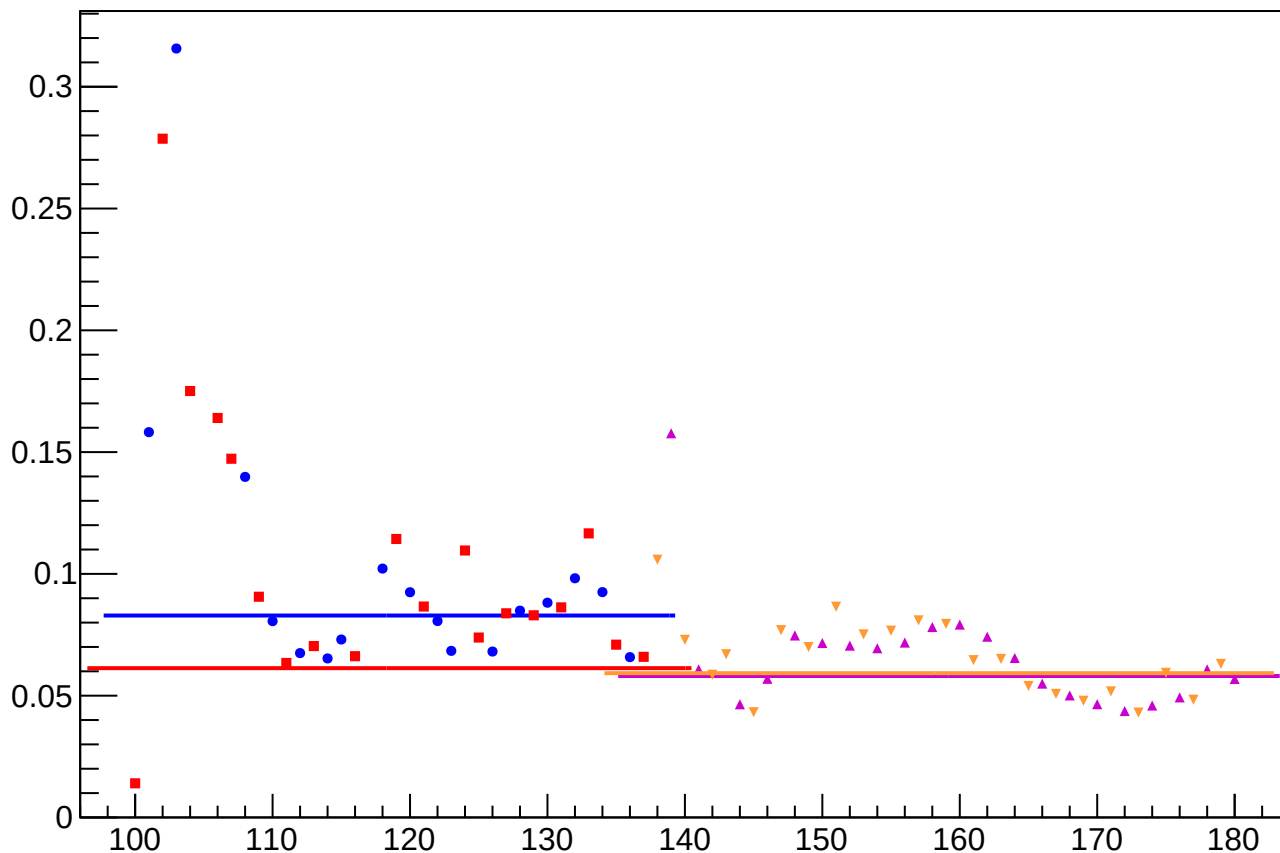
yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16
 Left Out: 32.275+/-0.000 χ^2/NDF : 12094286205.2/21
 Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18
 Left In: 32.553+/-0.000 χ^2/NDF : 11747735155.0/20

+ sign 32.212+/-0.000 χ^2/NDF : 14113417922.5/38
 All: 31.139+/-0.000 χ^2/NDF : 359801843154.
 - sign 30.167+/-0.000 χ^2/NDF : 336209890096.3/39

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 1357124.6/21

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

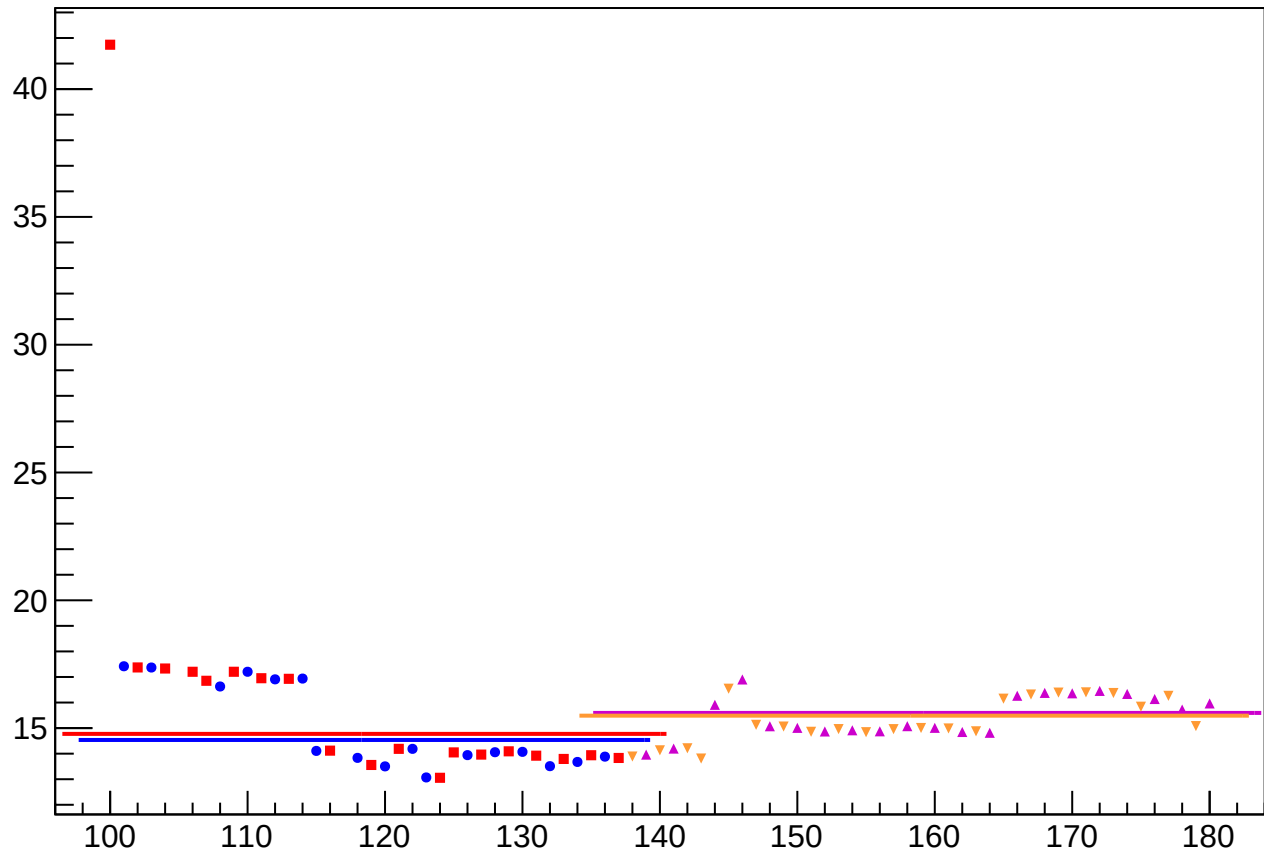
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 1514648.5/20

+ sign 0.063 $\pm$ 0.000 χ^2 /NDF: 3188708.4/38

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 8410256.6/78

- sign 0.059 $\pm$ 0.000 χ^2 /NDF: 5135712.2/39

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.487+/-0.000 χ^2/NDF : 2379053011.9/21

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

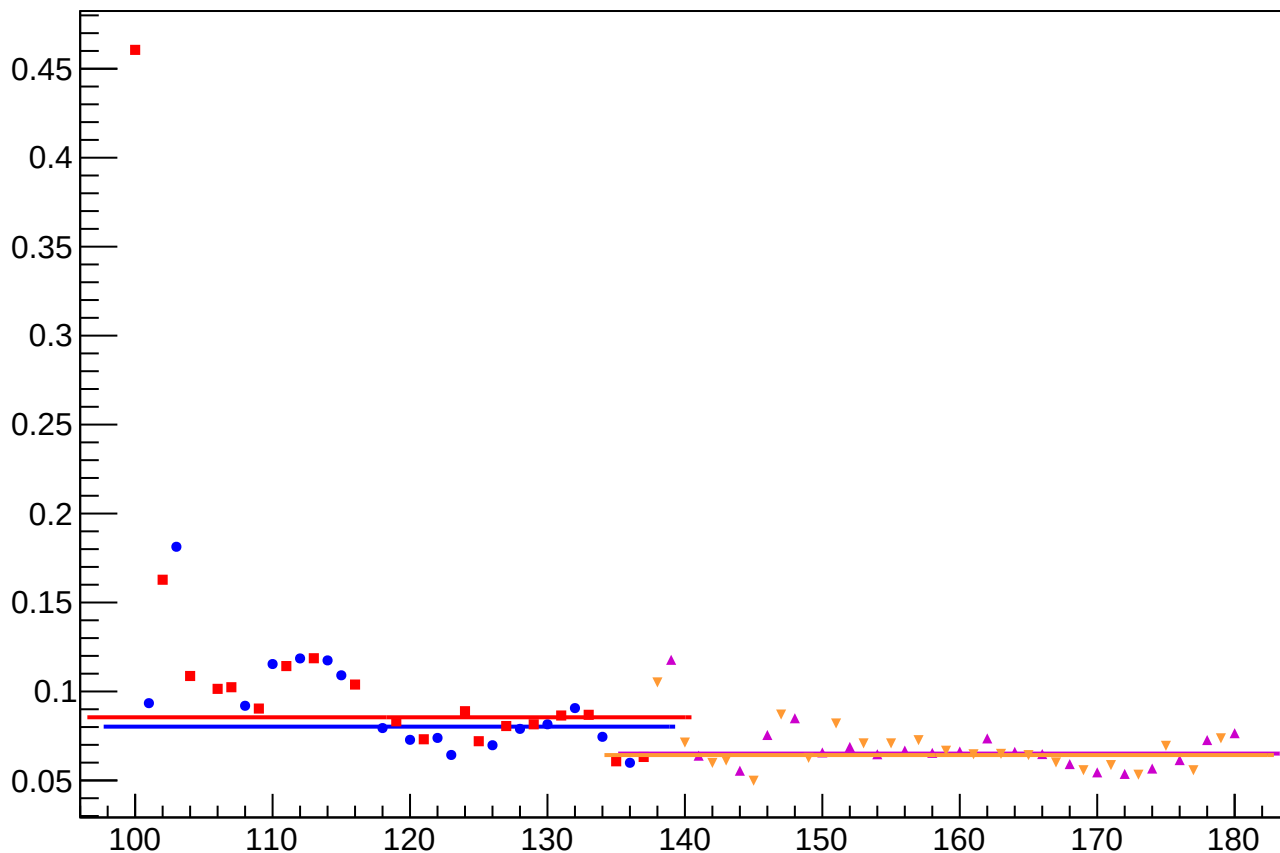
Left In: 15.594+/-0.000 χ^2/NDF : 1891225059.0/20

+ sign 15.295+/-0.000 χ^2/NDF : 4468899014.6/38

All: 15.363+/-0.000 χ^2/NDF : 8720769530.1/7

- sign 15.433+/-0.000 χ^2/NDF : 4212325746.7/39

yield_sam4_rms vs Slug



Right In: 0.080 $\pm$ 0.000 χ^2 /NDF: 778734.5/16

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 688381.4/21

Right Out: 0.085 $\pm$ 0.000 χ^2 /NDF: 738043.0/18

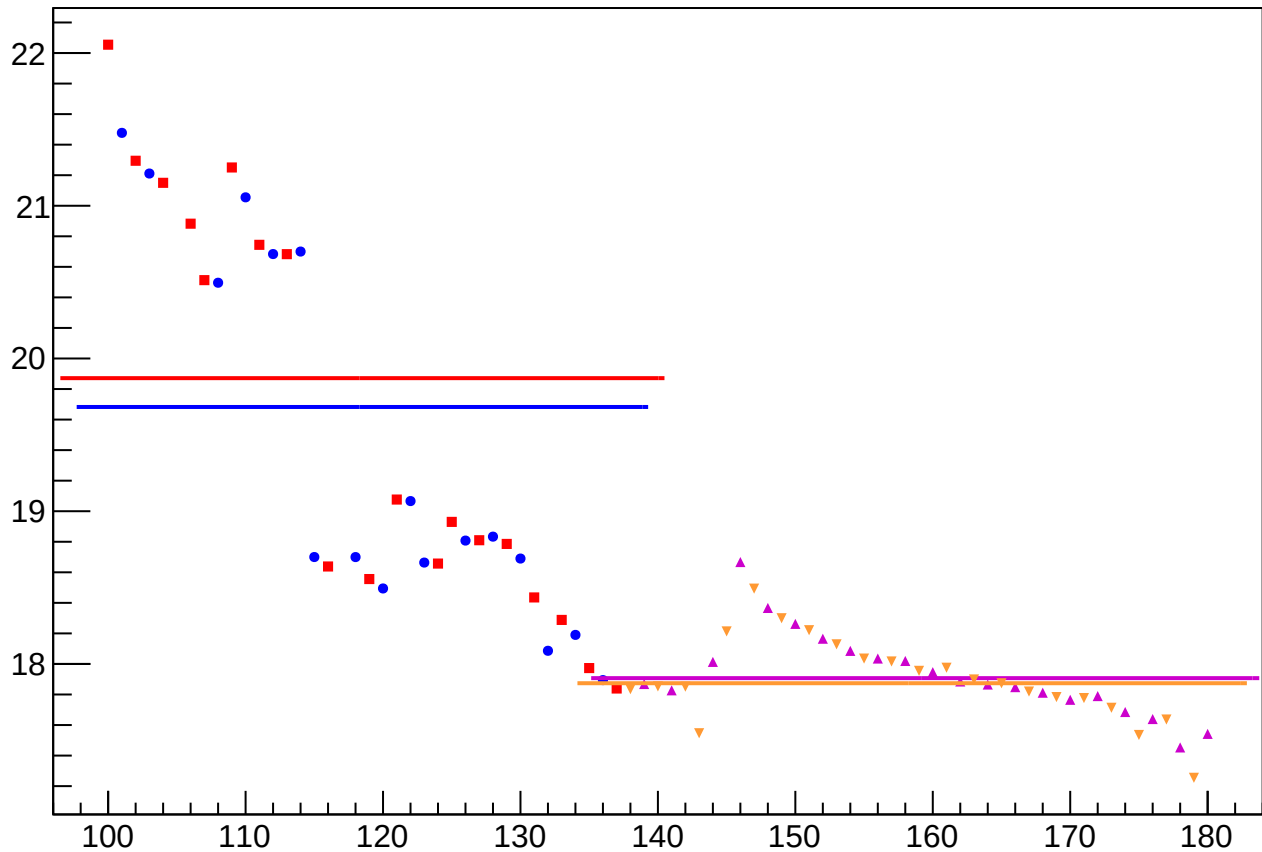
Left In: 0.065 $\pm$ 0.000 χ^2 /NDF: 661494.4/20

+ sign 0.067 $\pm$ 0.000 χ^2 /NDF: 1816598.3/38

All: 0.068 $\pm$ 0.000 χ^2 /NDF: 3764489.4/78

- sign 0.069 $\pm$ 0.000 χ^2 /NDF: 1936849.4/39

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.874+/-0.000 χ^2/NDF : 1089827728.0/21

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

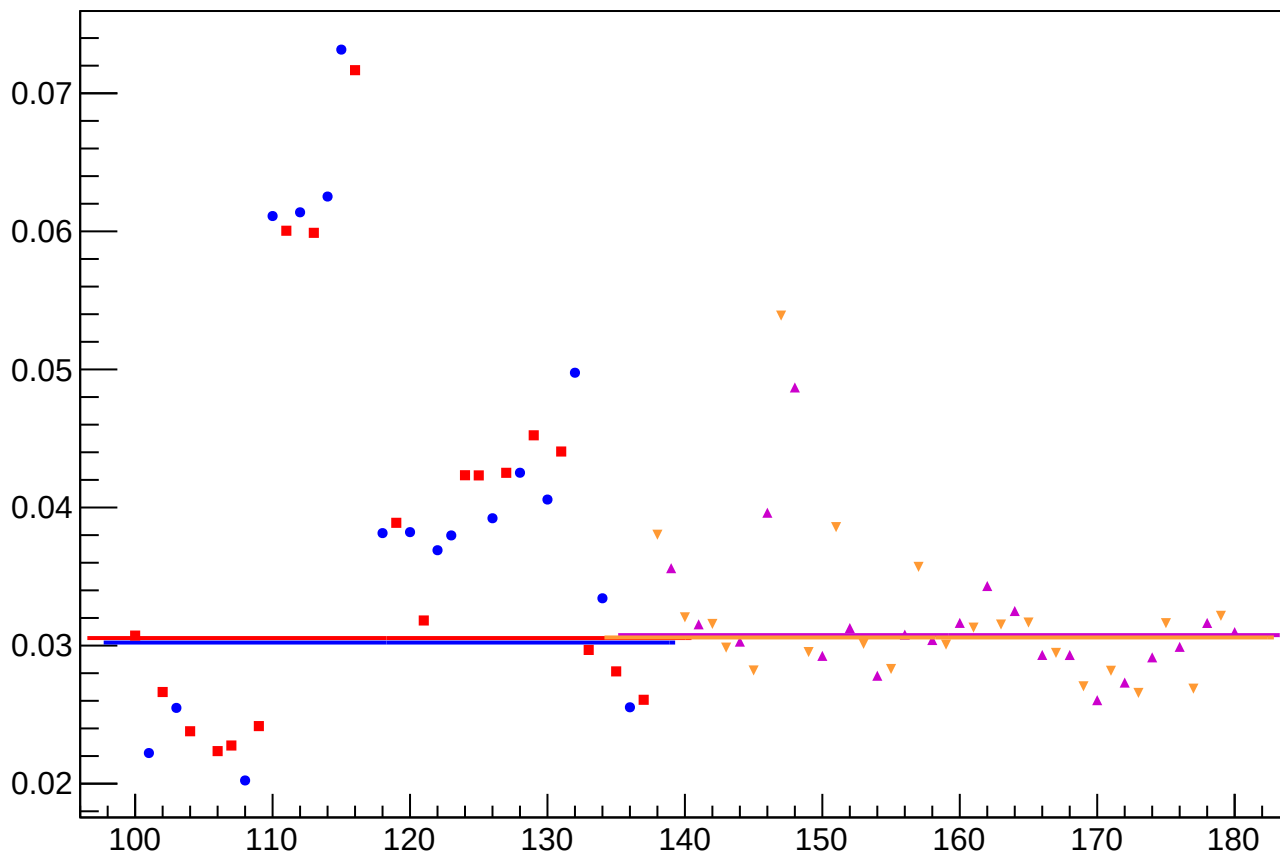
Left In: 17.907+/-0.000 χ^2/NDF : 1023778267.1/20

+ sign 18.356+/-0.000 χ^2/NDF : 28034655253.5/38

All: 18.404+/-0.000 χ^2/NDF : 58123362359.0

- sign 18.451+/-0.000 χ^2/NDF : 29985806238.8/39

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.031+/-0.000 χ^2/NDF : 565715.9/21

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

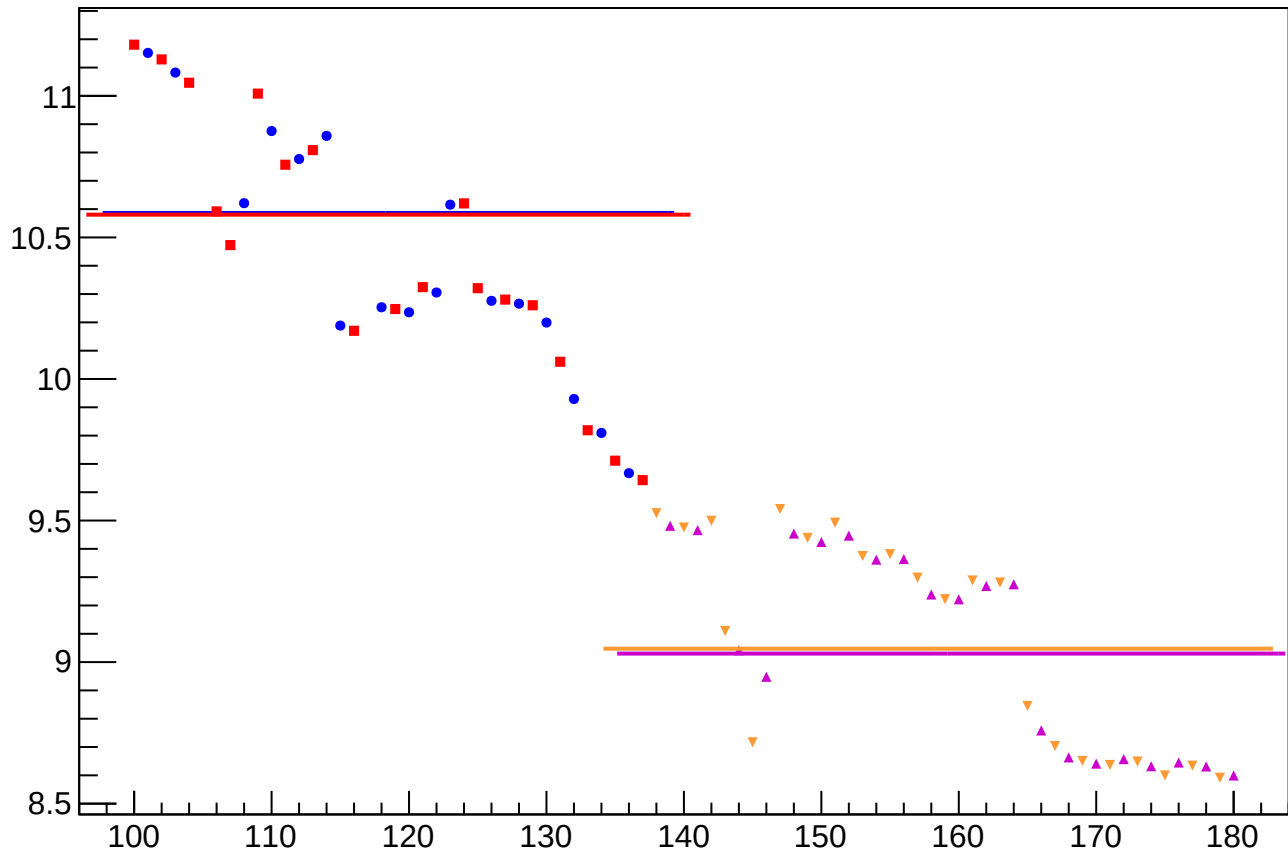
Left In: 0.031+/-0.000 χ^2/NDF : 439603.5/20

+ sign 0.030+/-0.000 χ^2/NDF : 1891450.2/38

All: 0.031+/-0.000 χ^2/NDF : 3522191.7/78

- sign 0.031+/-0.000 χ^2/NDF : 1629748.6/39

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.047 $\pm$ 0.000 χ^2 /NDF: 5488162139.8/21

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5763852721.2/18

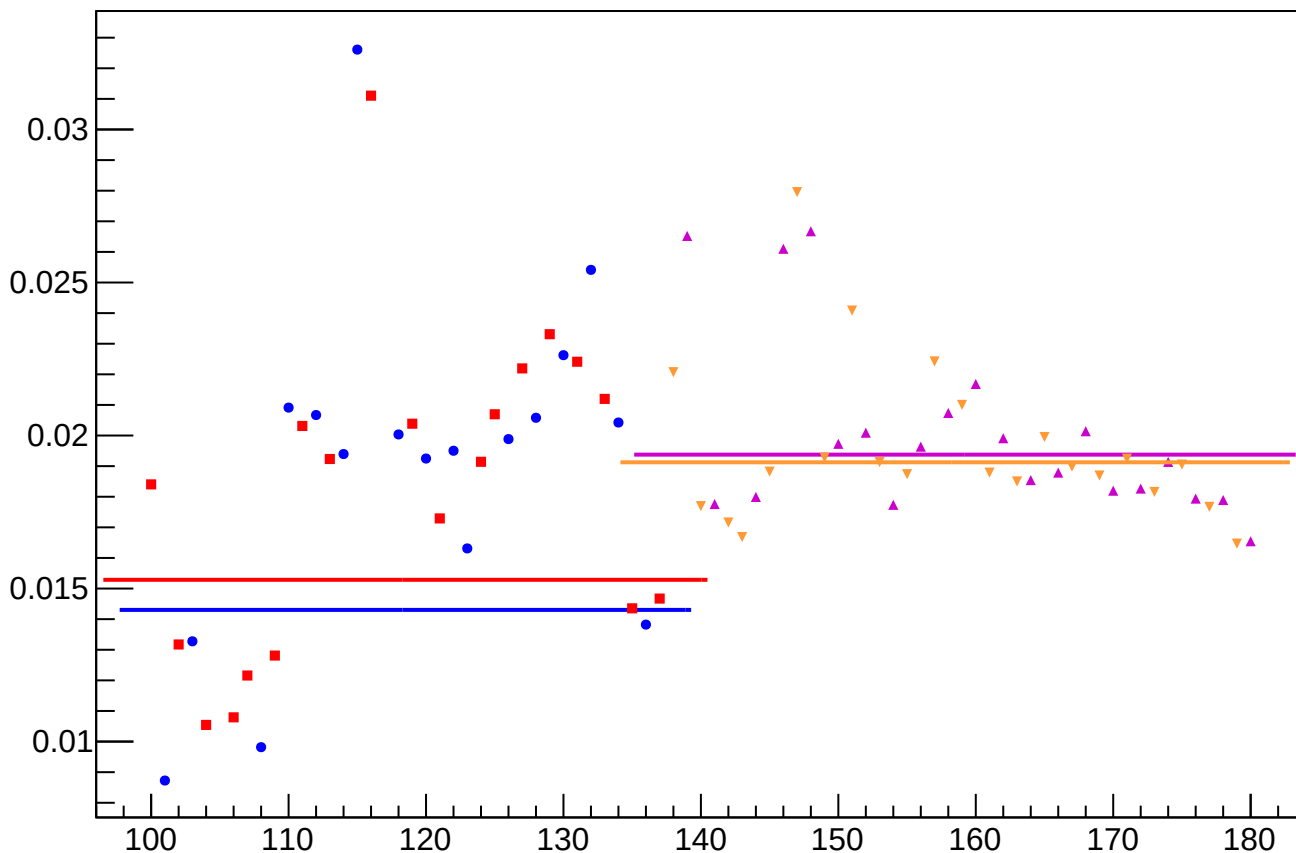
Left In: 9.030 $\pm$ 0.000 χ^2 /NDF: 4808519485.1/20

+ sign 9.642 $\pm$ 0.000 χ^2 /NDF: 50729756461.8/38

All: 9.638 $\pm$ 0.000 χ^2 /NDF: 98396444126.4/79

- sign 9.634 $\pm$ 0.000 χ^2 /NDF: 47664062388.8/39

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:381886.5/21

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

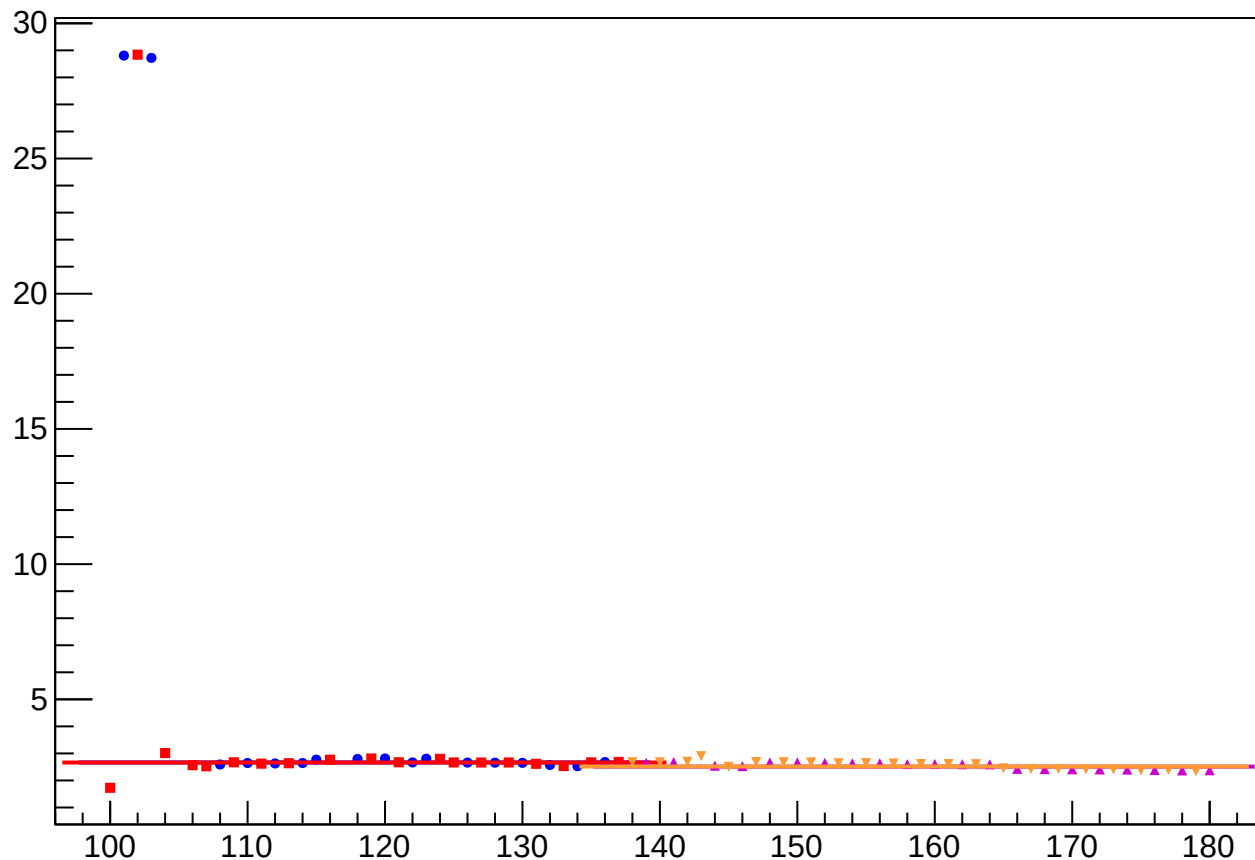
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:457561.5/20

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2532820.3/38

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 4513760.2/78

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 1962843.8/39

yield_sam7_mean vs Slug



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.515+/-0.000 χ^2/NDF : 55891506352.2/21

Right Out: 2.664+/-0.000 χ^2/NDF : 70398125461.7/18

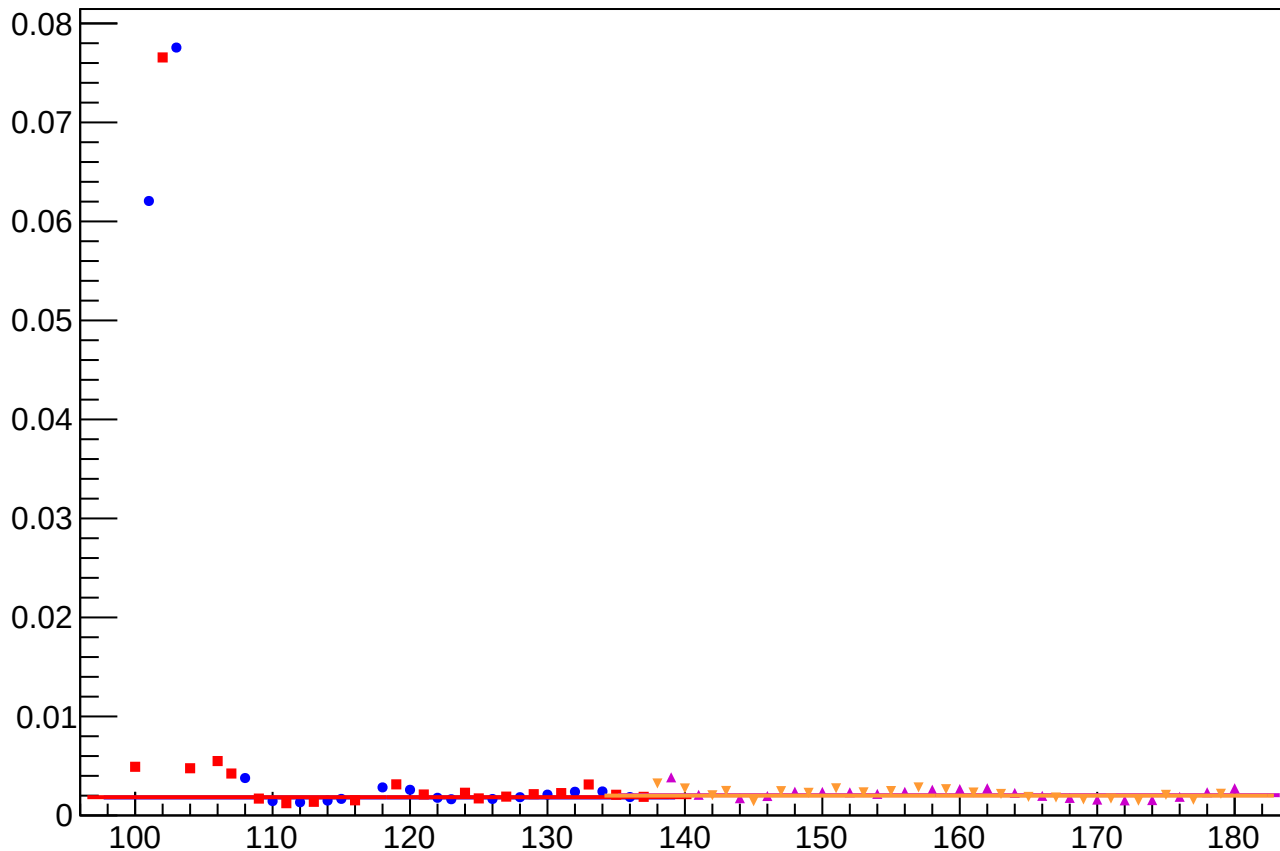
Left In: 2.512+/-0.000 χ^2/NDF : 39595495165.6/20

+ sign 2.559+/-0.000 χ^2/NDF : 240767829045.3/38

All: 2.559+/-0.000 χ^2/NDF : 373202690339.0

- sign 2.559+/-0.000 χ^2/NDF : 132434818653.6/39

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2661372.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1354892.7/21

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2331228.4/18

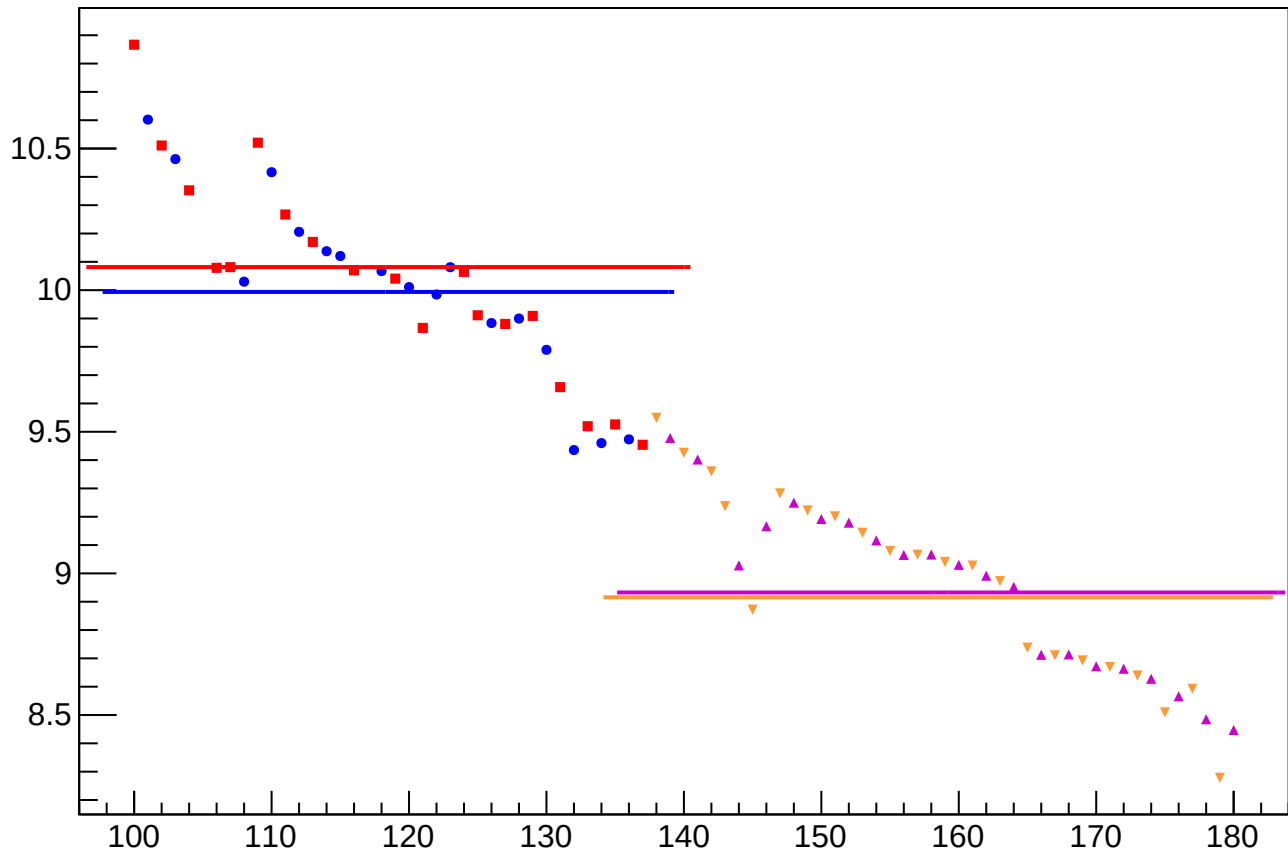
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1253103.6/20

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4083928.0/38

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7753933.8/78

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3664374.9/39

yield_sam8_mean vs Slug



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 8.916 $\pm$ 0.000 χ^2 /NDF: 29194270788.2/21

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

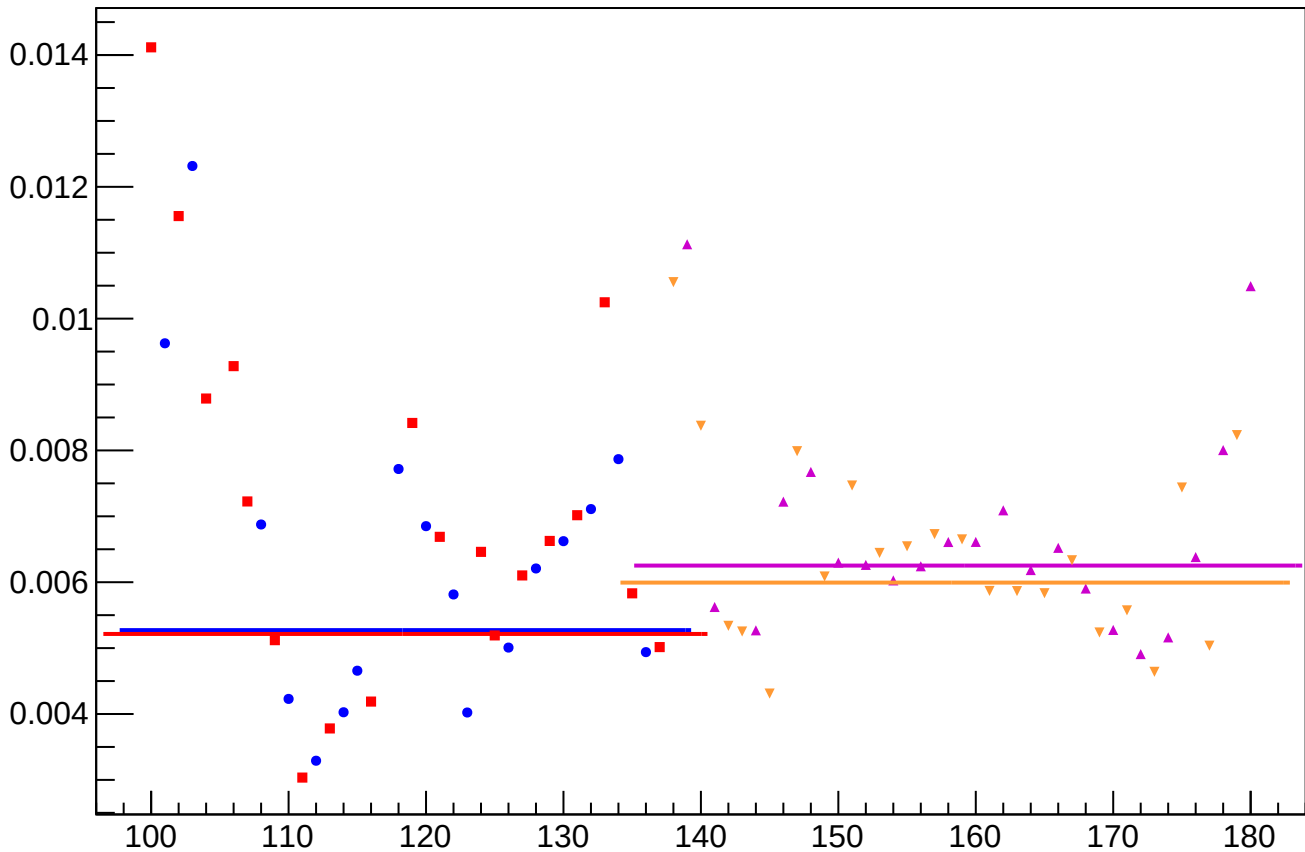
Left In: 8.933 $\pm$ 0.000 χ^2 /NDF: 24424121712.8/20

+ sign 9.271 $\pm$ 0.000 χ^2 /NDF: 188988164965.3/38

All: 9.310 $\pm$ 0.000 χ^2 /NDF: 392044789281.1

- sign 9.351 $\pm$ 0.000 χ^2 /NDF: 201336988775.3/39

yield_sam8_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1245563.1/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1041366.8/21

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1657948.7/18

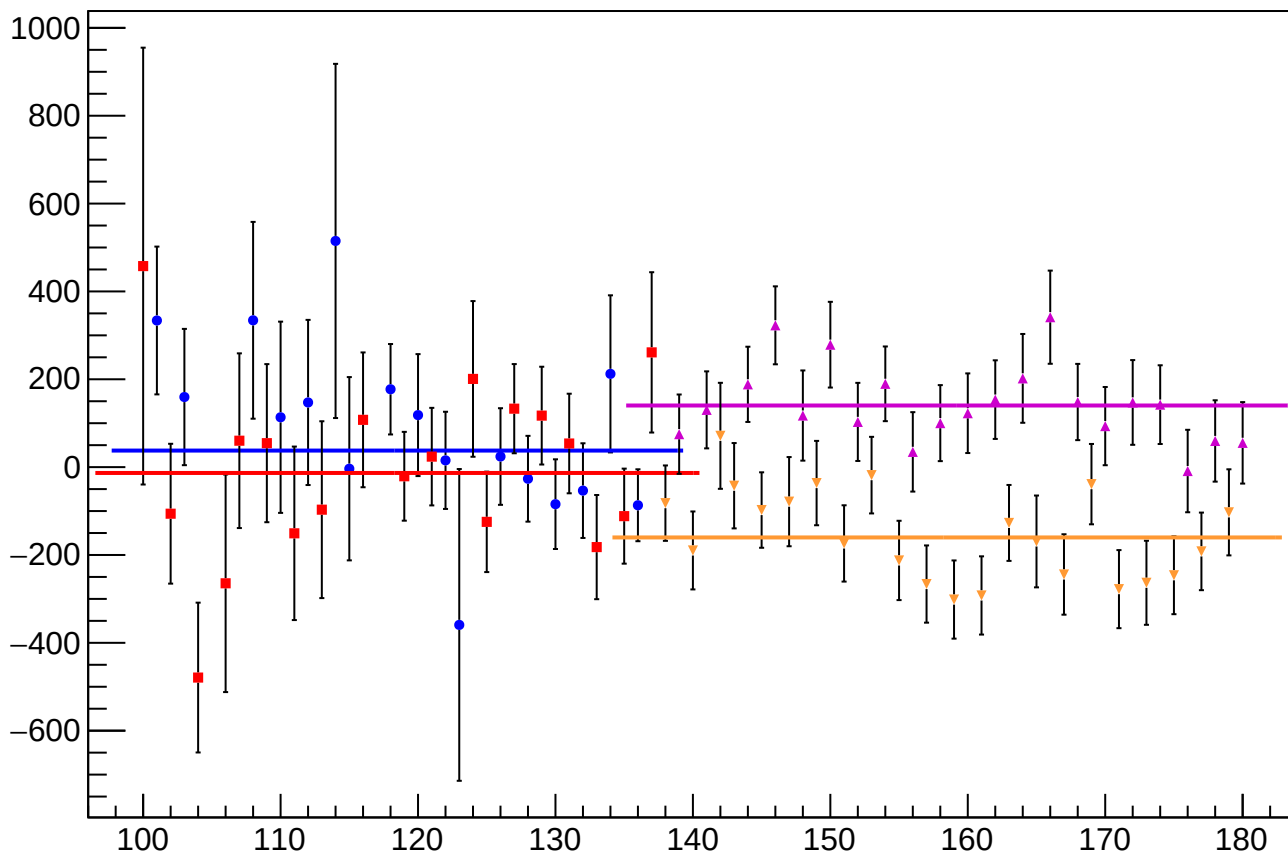
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:936738.1/20

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2413136.5/38

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 5278657.1/78

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2857989.4/39

reg_asym_sam1_mean vs Slug



Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$

Left Out: -160.086 ± 19.587 $\chi^2/\text{NDF}: 25.2/21$

Right Out: -13.278 ± 32.066 $\chi^2/\text{NDF}: 22.7/18$

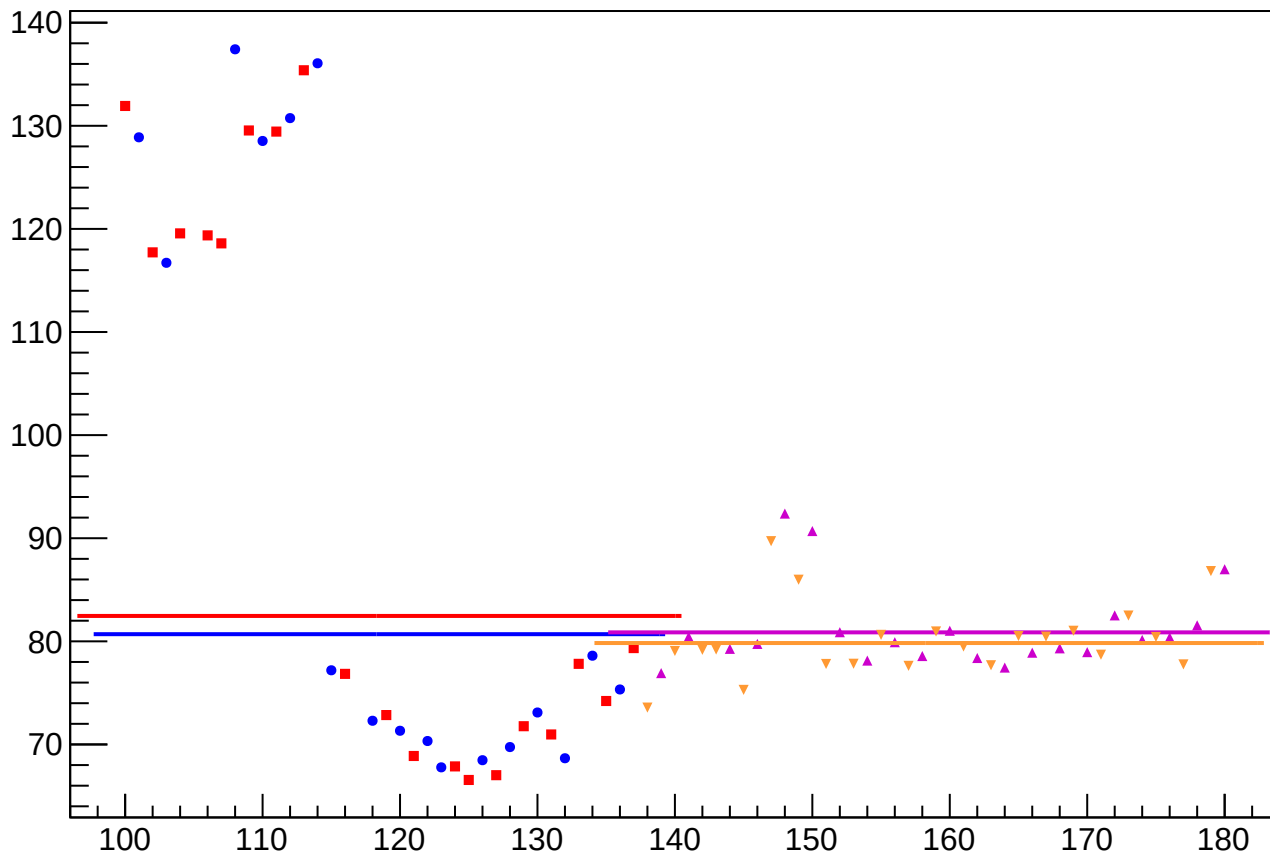
Left In: 140.298 ± 19.971 $\chi^2/\text{NDF}: 17.7/20$

+ sign -106.799 ± 16.741 $\chi^2/\text{NDF}: 69.4/38$

All: -5.986 ± 11.912 $\chi^2/\text{NDF}: 199.7/78$

- sign 97.378 ± 16.952 $\chi^2/\text{NDF}: 56.9/39$

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.836 $\pm$ 0.014 χ^2 /NDF: 62544.9/21

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

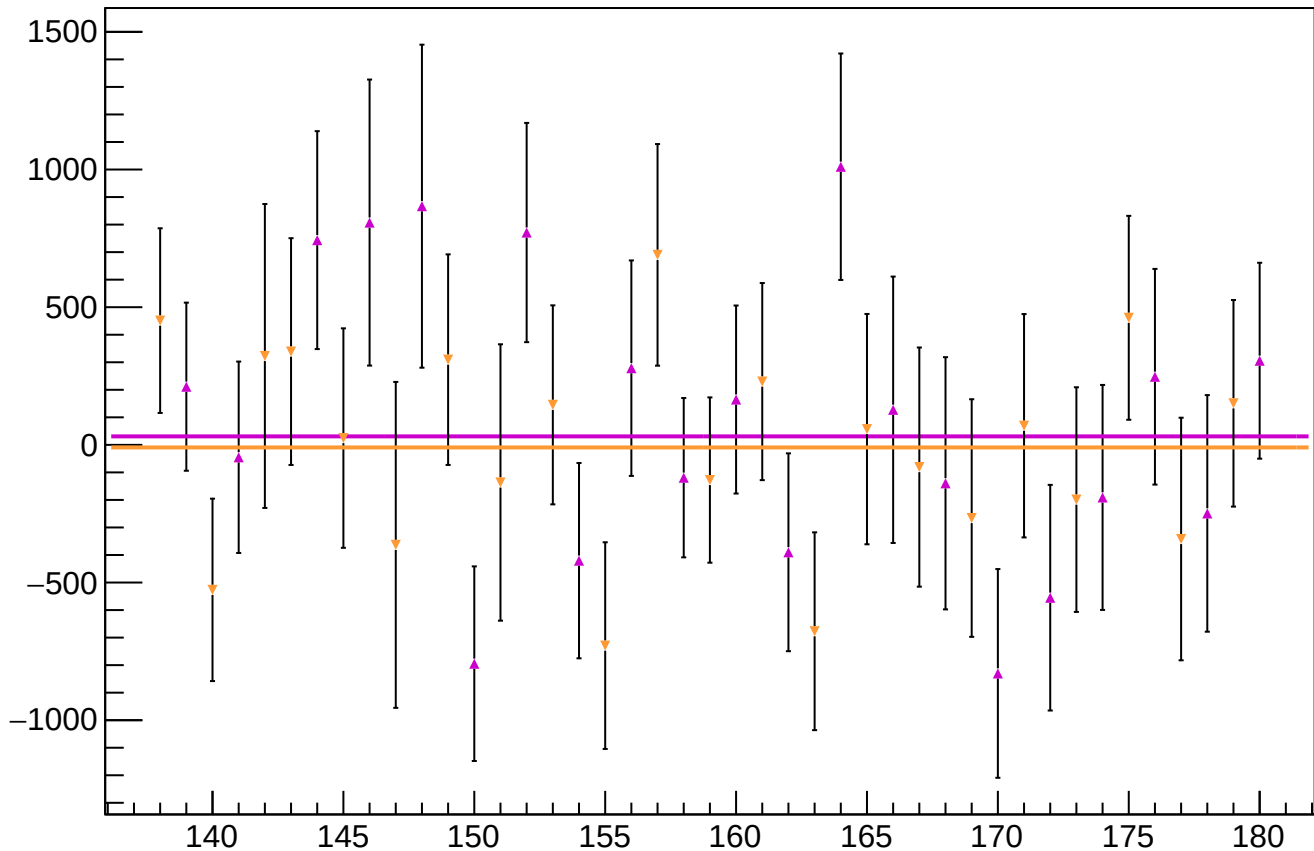
Left In: 80.870 $\pm$ 0.014 χ^2 /NDF: 69750.0/20

+ sign 80.067 $\pm$ 0.012 χ^2 /NDF: 877605.8/38

All: 80.684 $\pm$ 0.008 χ^2 /NDF: 1871281.9/78

- sign 81.316 $\pm$ 0.012 χ^2 /NDF: 988186.1/39

asym_sam1_correction_mean vs Slug



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

Left Out: -9.345 $\pm$ 83.697 χ^2 /NDF:20.5/21

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

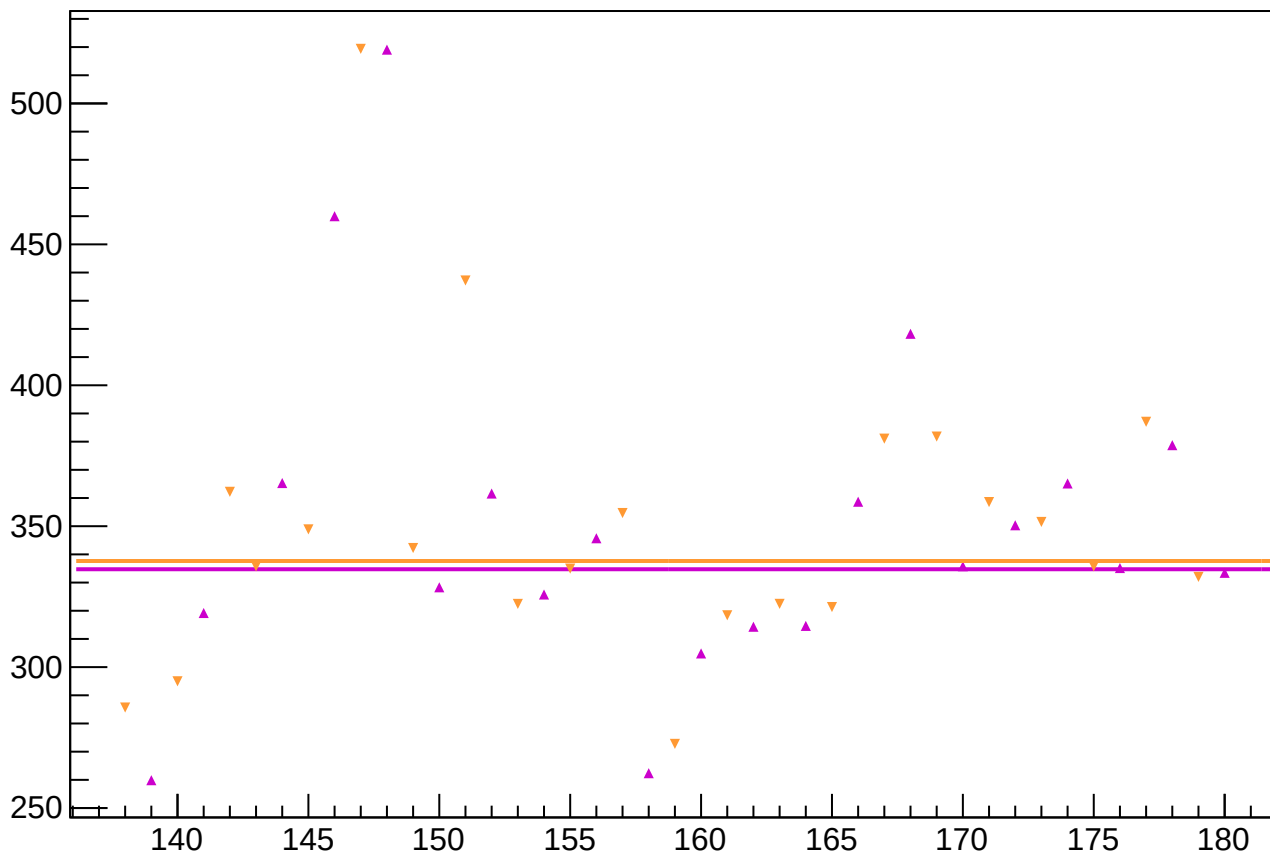
Left In: 30.841 $\pm$ 83.692 χ^2 /NDF:35.3/20

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

All: 10.749 $\pm$ 59.181 χ^2 /NDF: 55.9/42

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

asym_sam1_correction_rms vs Slug



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

Left Out: 337.652+/-0.059 χ^2/NDF : 541640.5/21

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

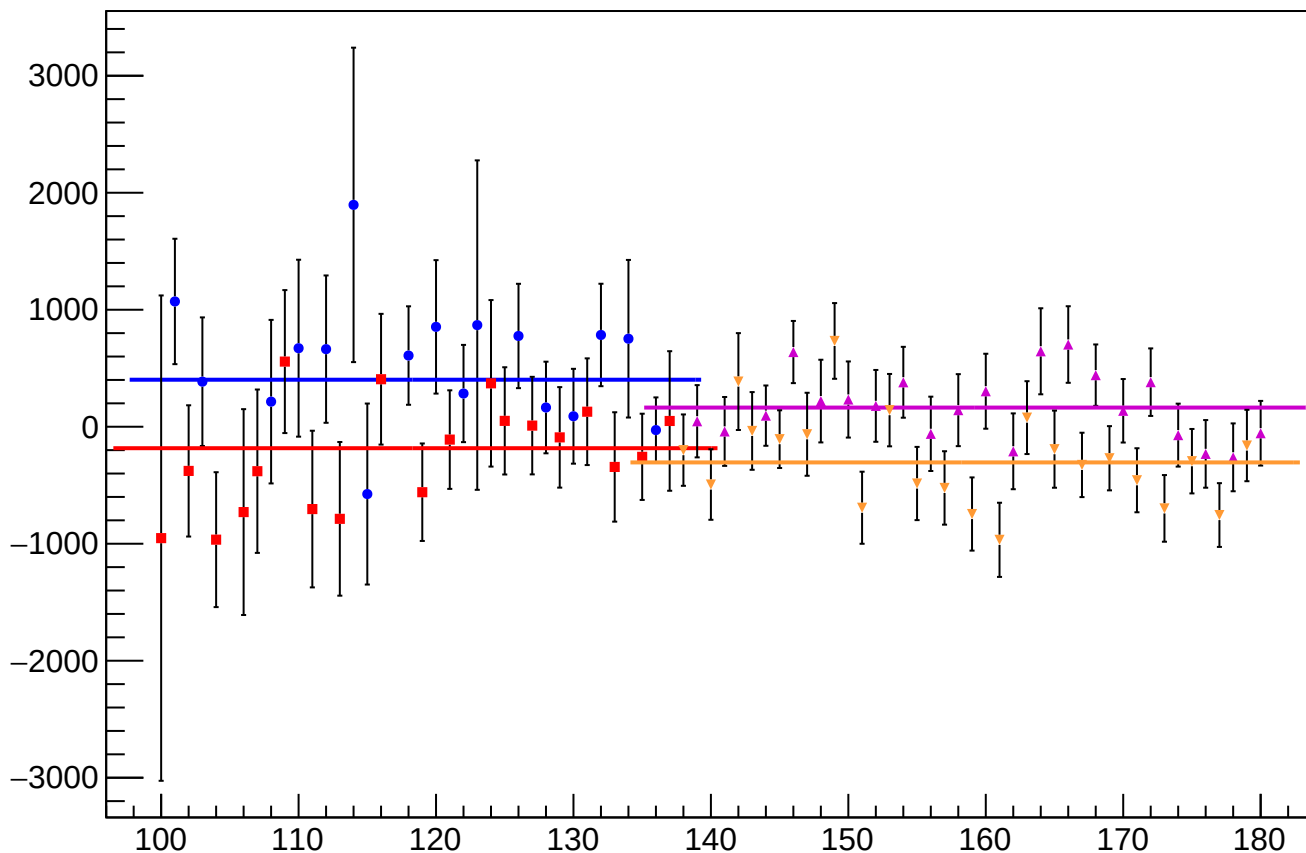
Left In: 334.727+/-0.059 χ^2/NDF : 720800.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 336.189+/-0.042 χ^2/NDF : 1263661.7/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam2_mean vs Slug



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -304.984 $\pm$ 64.389 χ^2 /NDF:33.0/21

Right Out: -183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

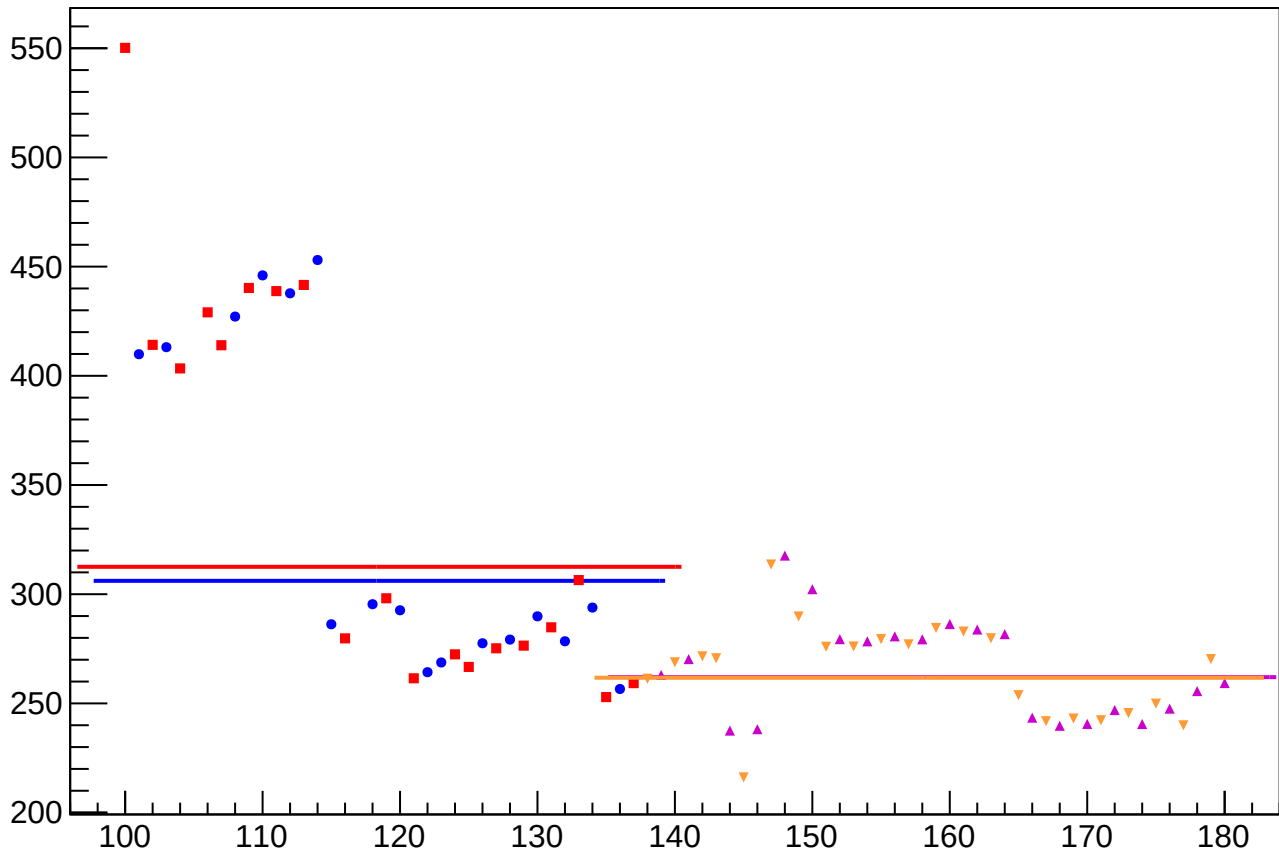
Left In: 163.741 $\pm$ 64.879 χ^2 /NDF:18.0/20

+ sign -149.088 $\pm$ 56.847 χ^2 /NDF: 70.5/38

All: -32.310 $\pm$ 40.289 χ^2 /NDF: 112.8/78

- sign 85.543 $\pm$ 57.108 χ^2 /NDF: 33.8/39

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 261.763+/-0.046 χ^2/NDF : 231417.6/21

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

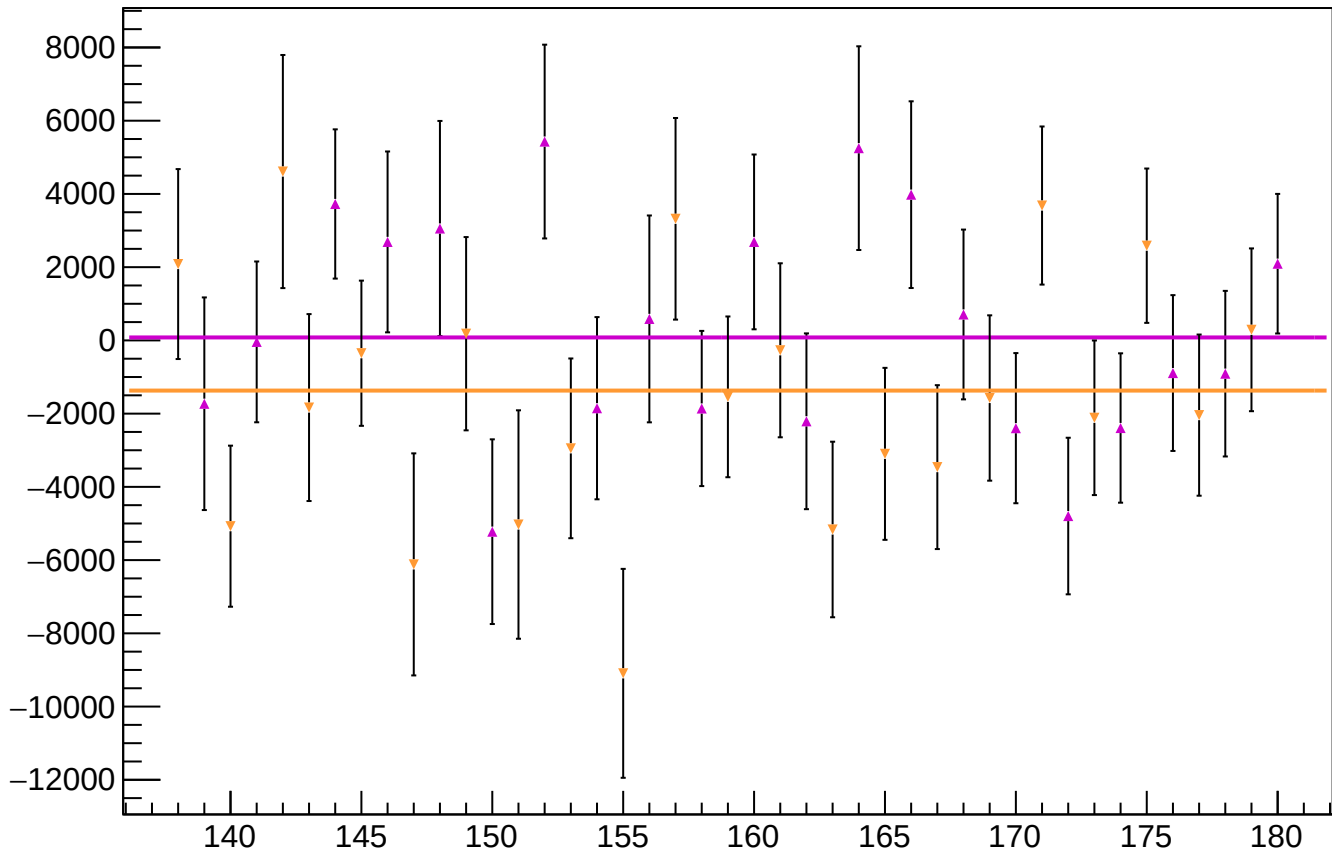
Left In: 262.024+/-0.046 χ^2/NDF : 225452.5/20

+ sign 271.547+/-0.040 χ^2/NDF : 949217.1/38

All: 272.470+/-0.028 χ^2/NDF : 2074590.9/78

- sign 273.401+/-0.040 χ^2/NDF : 1124314.0/39

asym_sam2_correction_mean vs Slug



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

Left Out: -1370.273+/-509.869 χ^2/NDF : 37.2/21

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

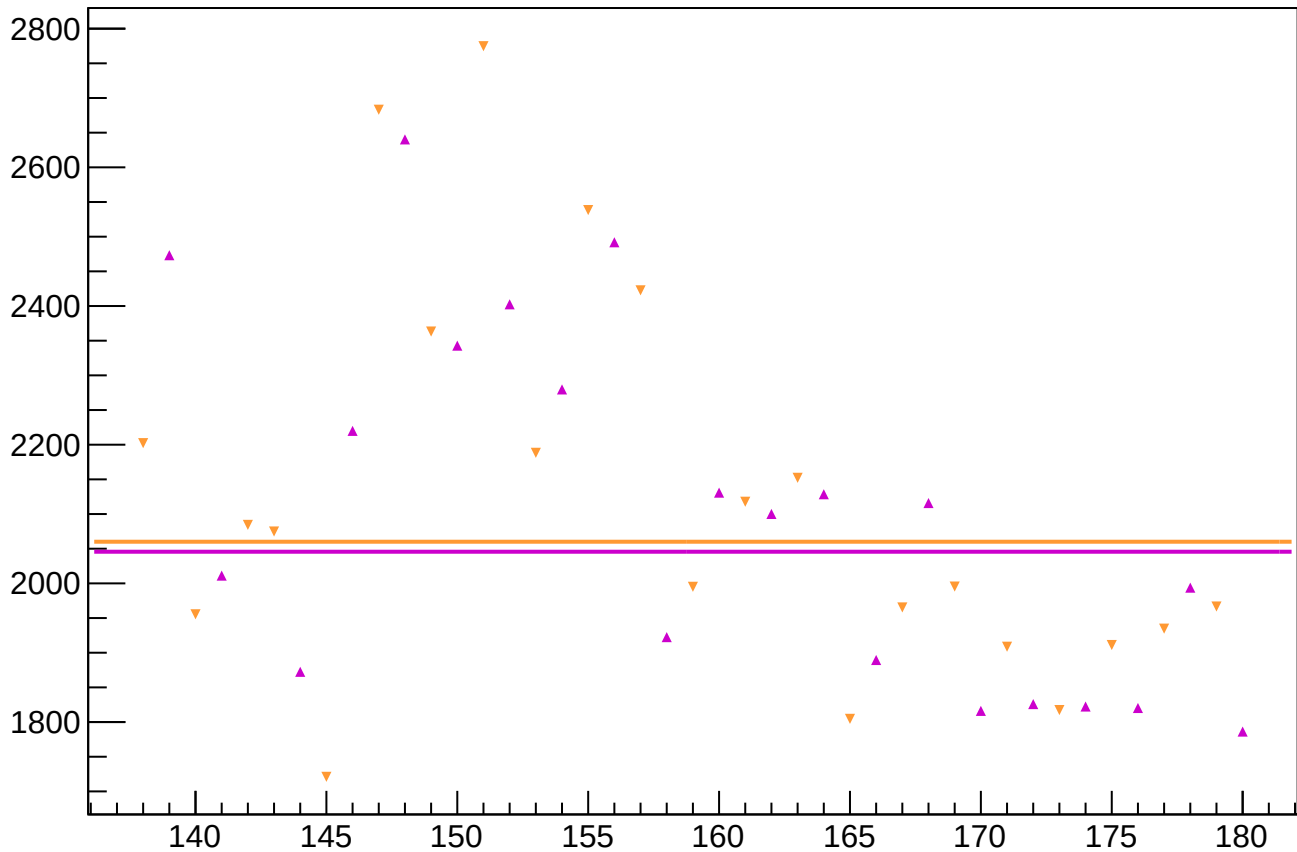
Left In: 80.906+/-508.774 χ^2/NDF : 33.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -643.123+/-360.144 χ^2/NDF : 74.6/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam2_correction_rms vs Slug



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

Left Out: 2060.081+/-0.361 χ^2/NDF :472424.1/21

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

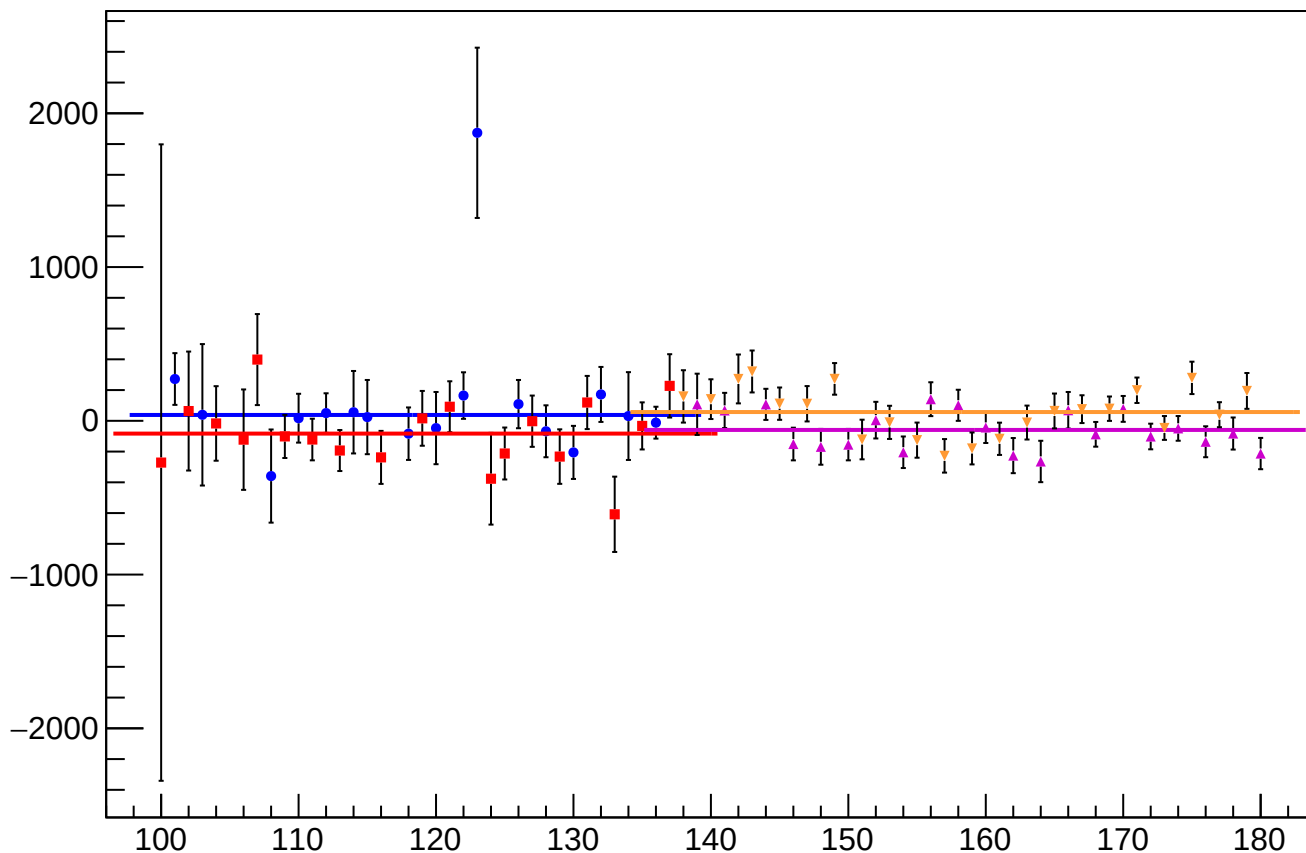
Left In: 2045.644+/-0.360 χ^2/NDF :434150.9/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2052.847+/-0.255 χ^2/NDF : 907378.4/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_mean vs Slug



Right In: 38.126 ± 43.548 χ^2/NDF : 19.4/16

Left Out: 57.141 ± 22.317 χ^2/NDF : 42.0/21

Right Out: -83.101 ± 43.098 χ^2/NDF : 16.7/18

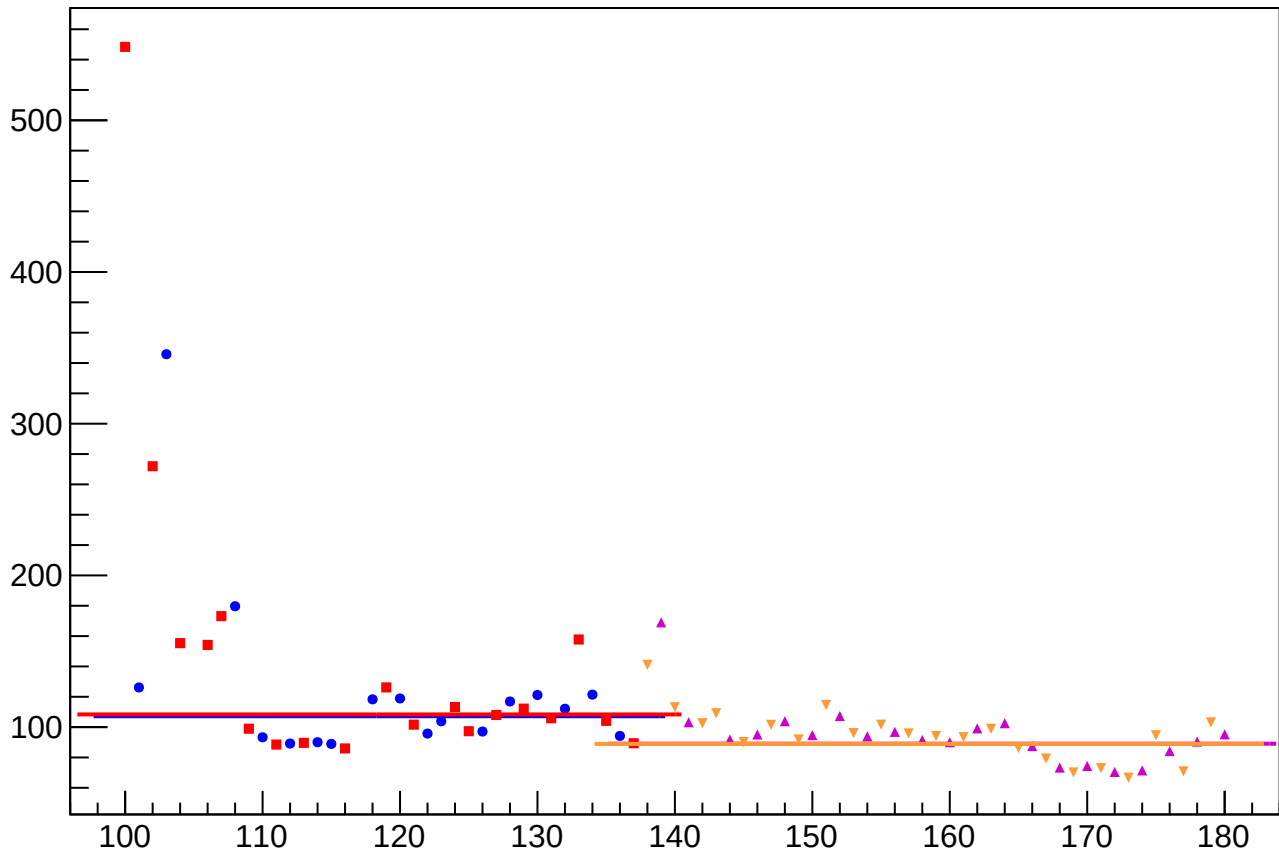
Left In: -59.290 ± 22.439 χ^2/NDF : 26.8/20

+ sign 53.186 ± 19.861 χ^2/NDF : 61.5/38

All: -5.465 ± 14.059 χ^2/NDF : 122.8/78

- sign -64.368 ± 19.903 χ^2/NDF : 43.8/39

reg_asym_sam3_rms vs Slug



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 88.939 $\pm$ 0.016 χ^2 /NDF:998555.4/21

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

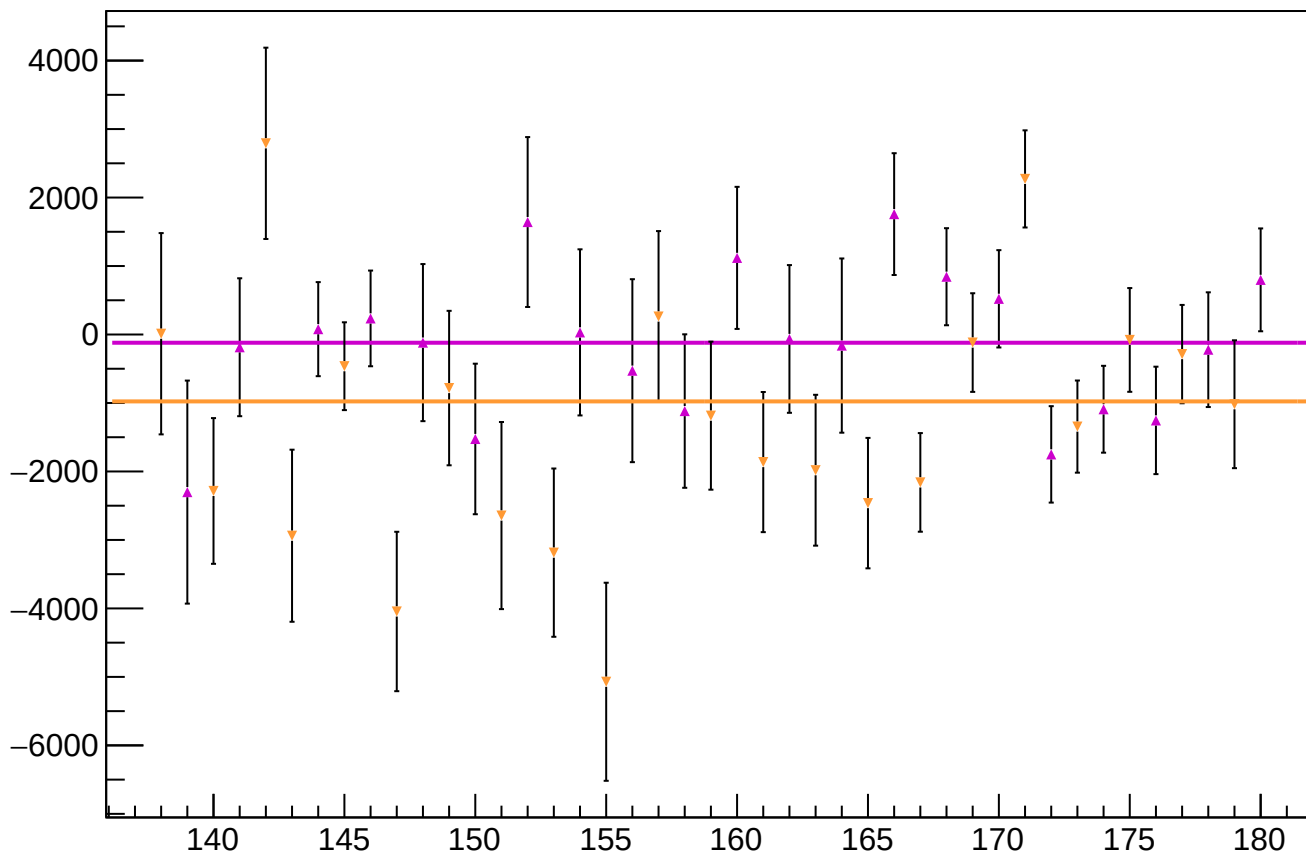
Left In: 89.075 $\pm$ 0.016 χ^2 /NDF:843592.9/20

+ sign 92.735 $\pm$ 0.014 χ^2 /NDF: 2119866.1/38

All: 92.961 $\pm$ 0.010 χ^2 /NDF: 4196293.0/78

- sign 93.187 $\pm$ 0.014 χ^2 /NDF: 2075908.9/39

asym_sam3_correction_mean vs Slug



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

Left Out: -976.908+/-198.471 χ^2/NDF : 64.8/21

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

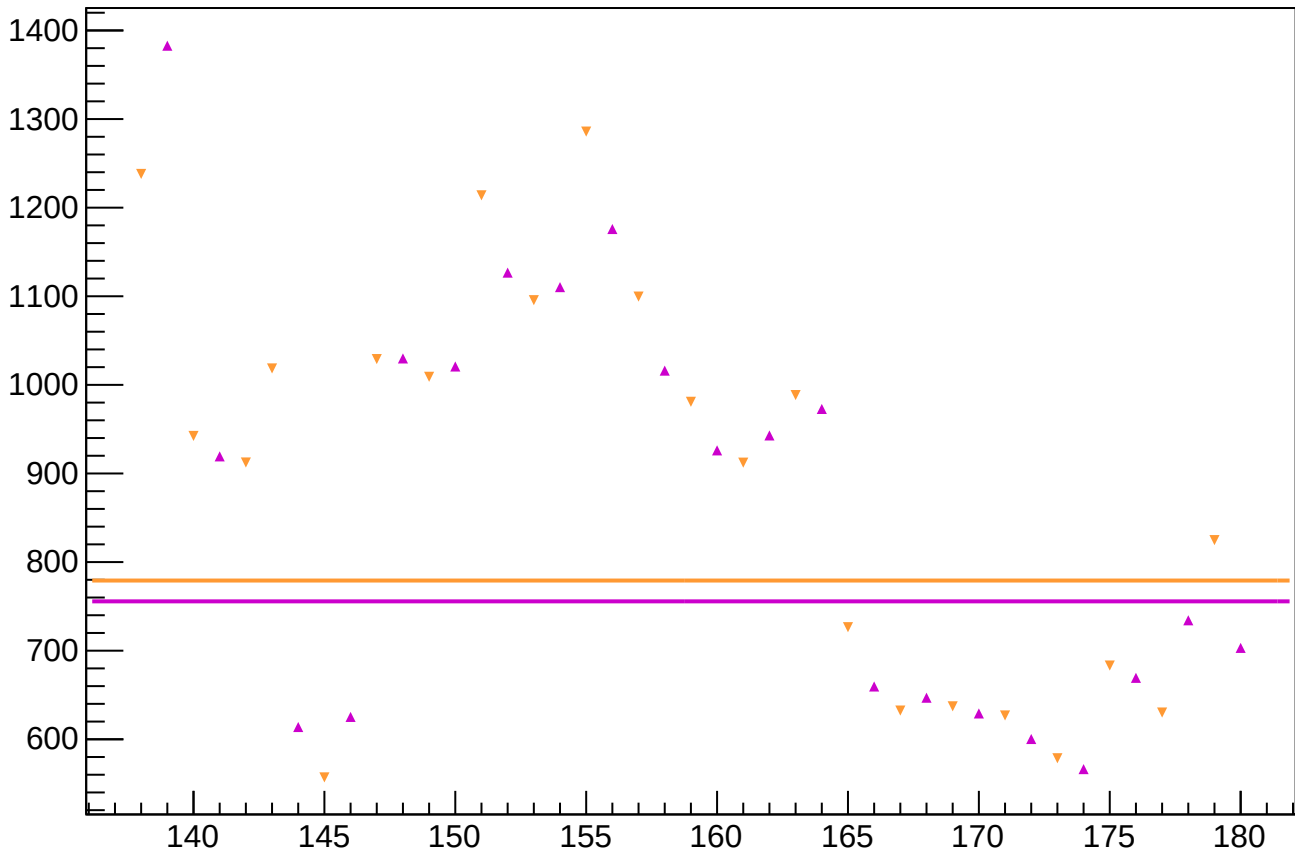
Left In: -120.238+/-193.261 χ^2/NDF : 26.6/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -537.180+/-138.461 χ^2/NDF : 100.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam3_correction_rms vs Slug



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

Left Out: 779.172+/-0.140 χ^2/NDF :2196304.3/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

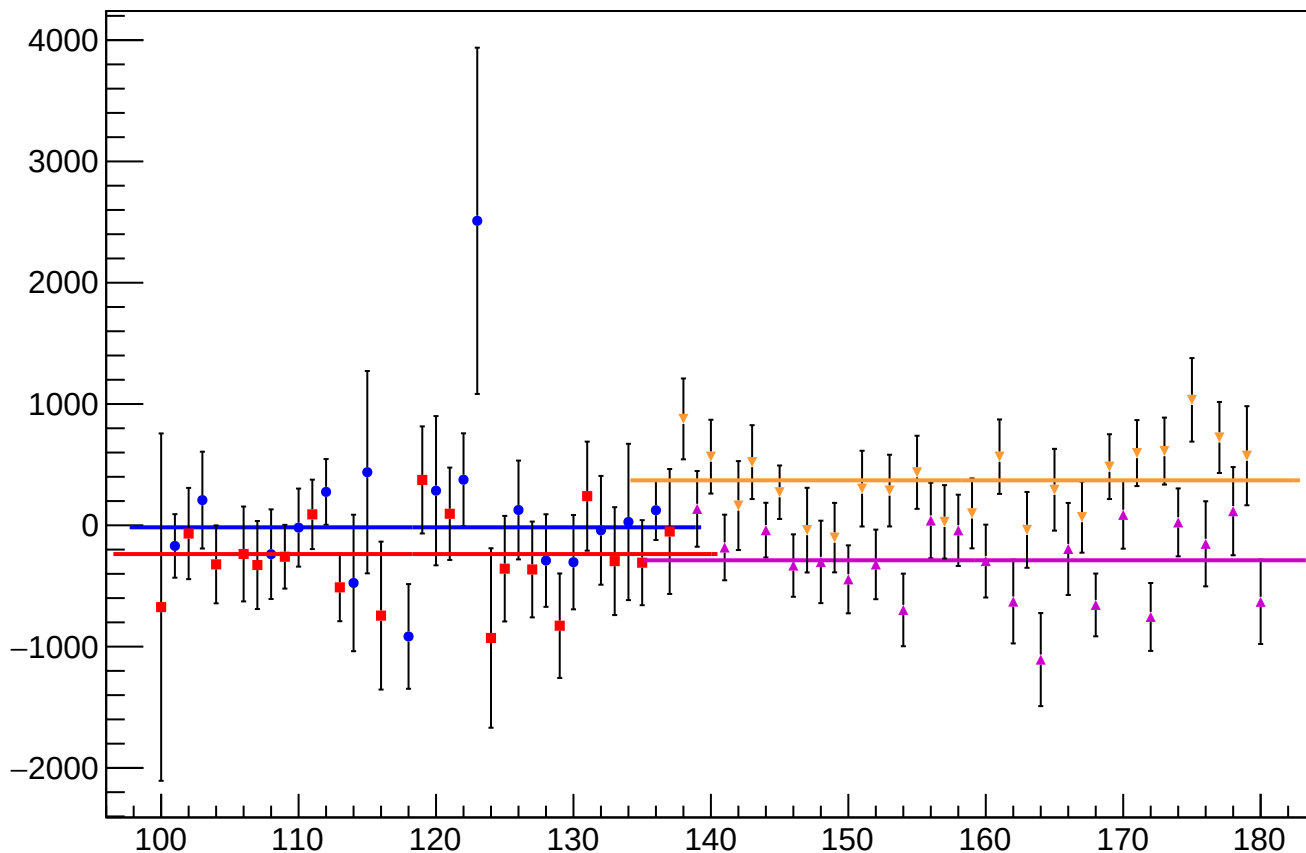
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 767.111+/-0.098 χ^2/NDF : 4218583.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 755.675+/-0.137 χ^2/NDF :2007891.6/20

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 370.992 ± 64.192 χ^2/NDF : 20.2/21

Right Out: -236.984 ± 88.937 χ^2/NDF : 10.3/18

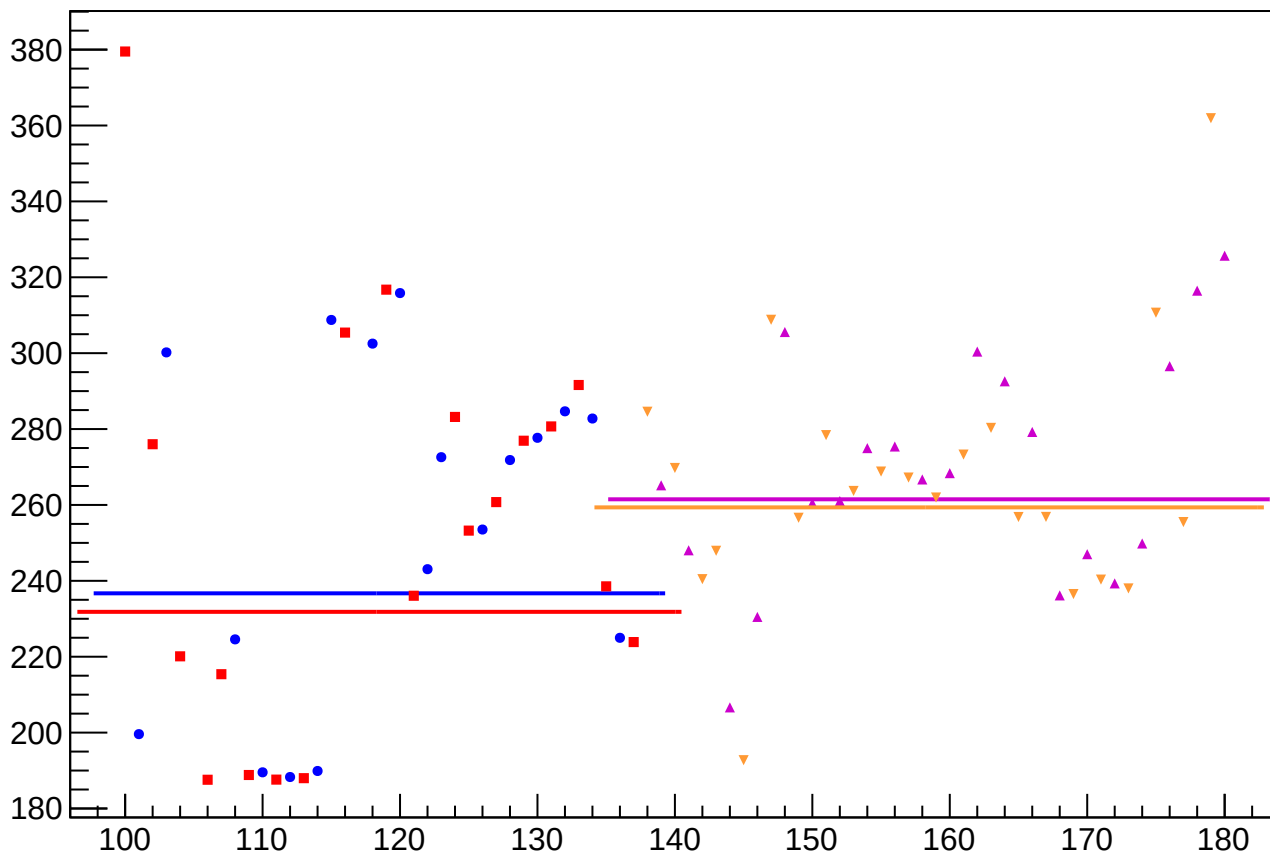
Left In: -288.214 ± 65.123 χ^2/NDF : 23.1/20

+ sign 246.484 ± 52.881 χ^2/NDF : 45.4/38

All: -13.582 ± 37.272 χ^2/NDF : 127.0/78

- sign -270.333 ± 52.543 χ^2/NDF : 33.6/39

reg_asym_sam4_rms vs Slug



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 259.358 $\pm$ 0.045 χ^2 /NDF: 476575.2/21

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

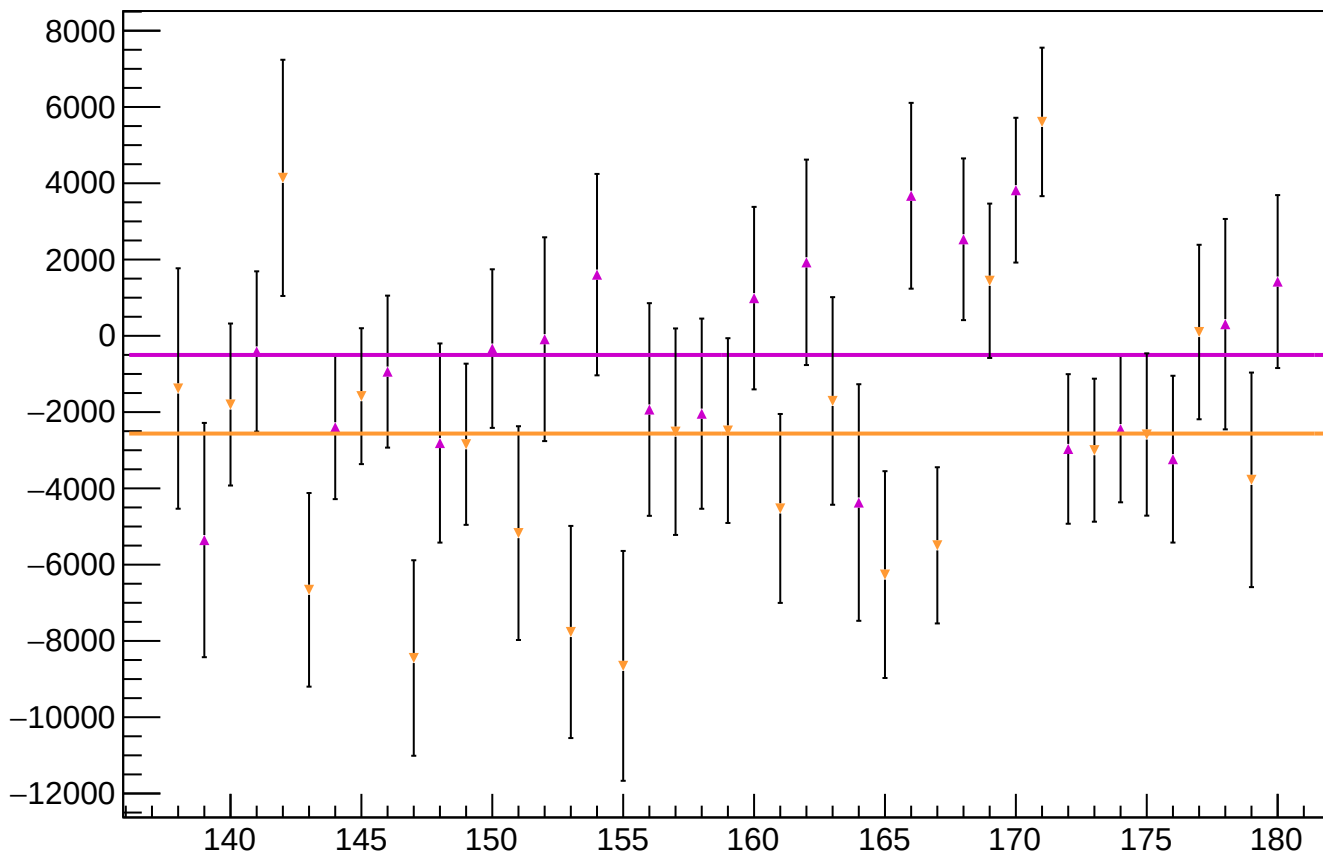
Left In: 261.487 $\pm$ 0.046 χ^2 /NDF: 413368.6/20

+ sign 252.079 $\pm$ 0.037 χ^2 /NDF: 946953.8/38

All: 251.604 $\pm$ 0.026 χ^2 /NDF: 1948704.7/78

- sign 251.135 $\pm$ 0.037 χ^2 /NDF: 1001430.2/39

asym_sam4_correction_mean vs Slug



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

Left Out: -2562.674+/-503.153 χ^2/NDF : 49.4/21

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

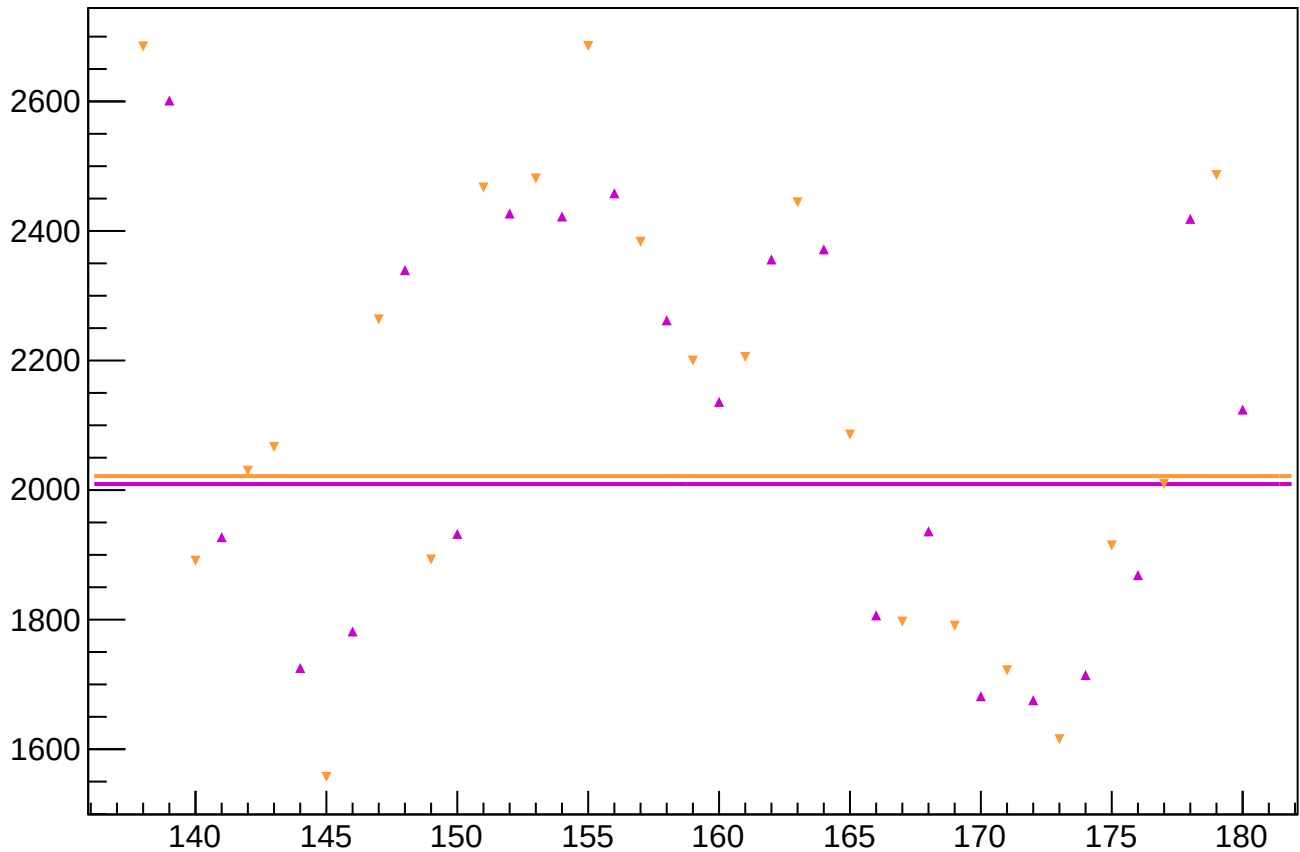
Left In: -501.518+/-501.967 χ^2/NDF : 23.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1529.662+/-355.363 χ^2/NDF : 81.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam4_correction_rms vs Slug



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

Left Out: 2021.615+/-0.356 χ^2/NDF : 818200.7/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

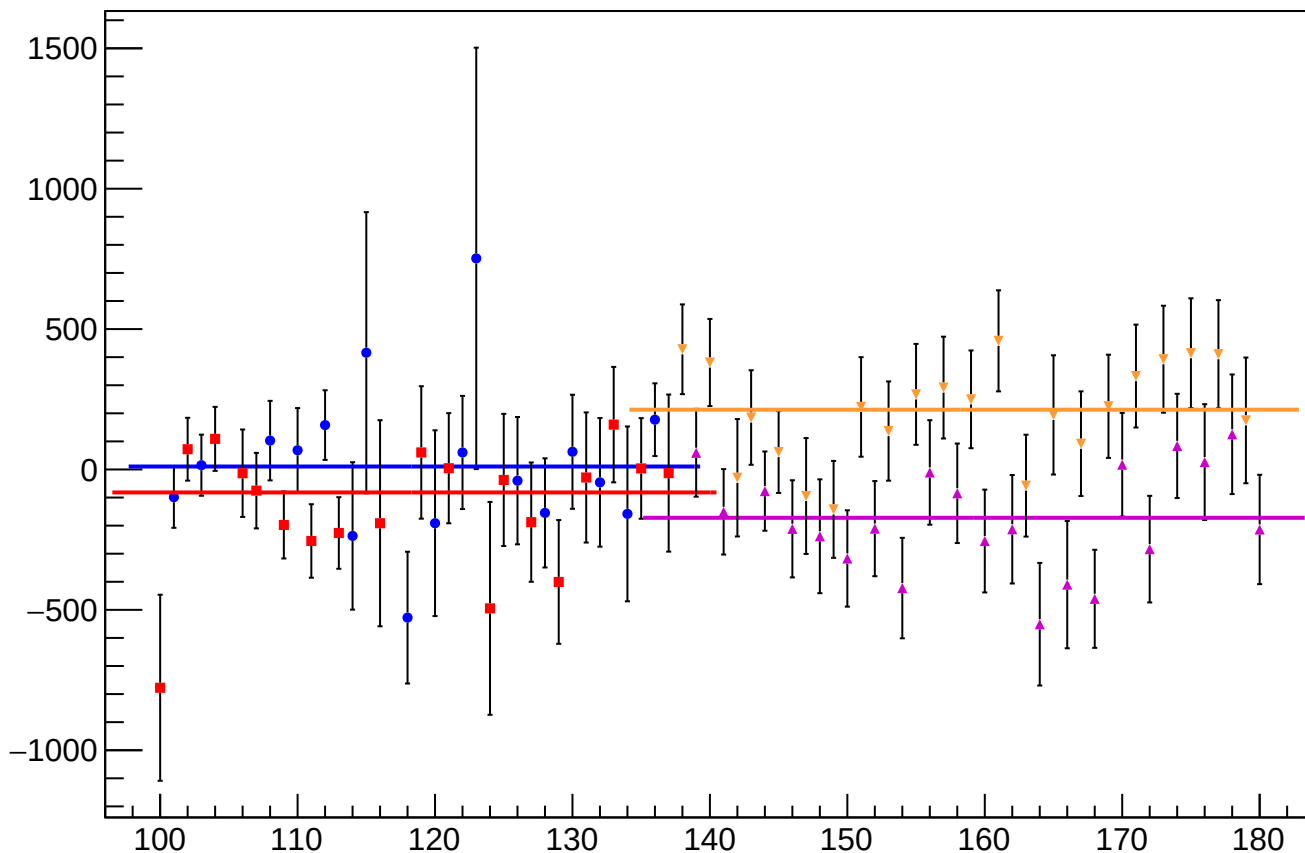
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2015.468+/-0.251 χ^2/NDF : 1477044.2/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2009.349+/-0.355 χ^2/NDF : 658247.8/20

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 $\chi^2/\text{NDF}: 14.1/16$

Left Out: 212.884 ± 38.535 $\chi^2/\text{NDF}: 20.4/21$

Right Out: -81.802 ± 38.985 $\chi^2/\text{NDF}: 19.2/18$

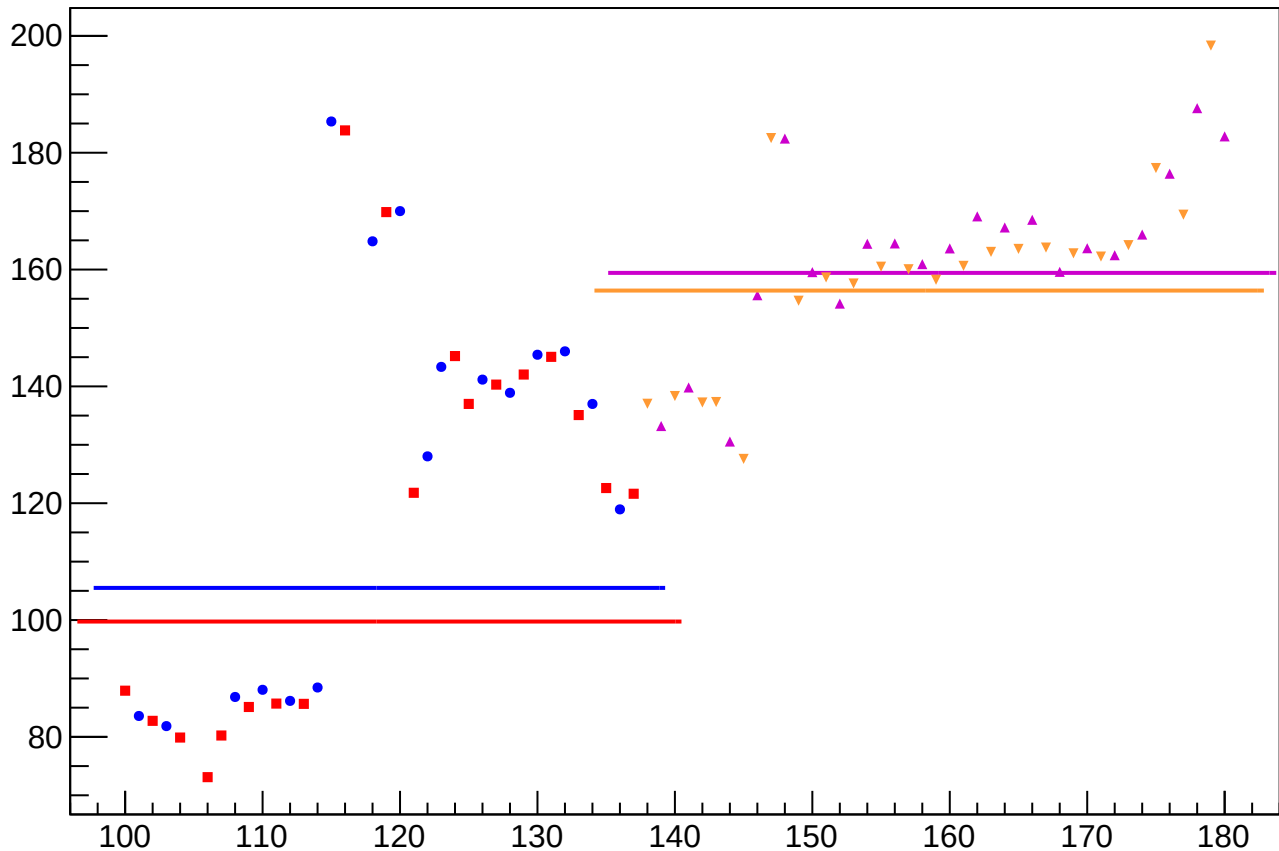
Left In: -172.120 ± 39.509 $\chi^2/\text{NDF}: 19.9/20$

+ sign 121.099 ± 28.485 $\chi^2/\text{NDF}: 46.9/38$

All: -5.861 ± 19.877 $\chi^2/\text{NDF}: 127.4/78$

- sign -126.357 ± 27.750 $\chi^2/\text{NDF}: 41.7/39$

reg_asym_sam5_rms vs Slug



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 156.405 $\pm$ 0.027 χ^2 /NDF:331041.9/21

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

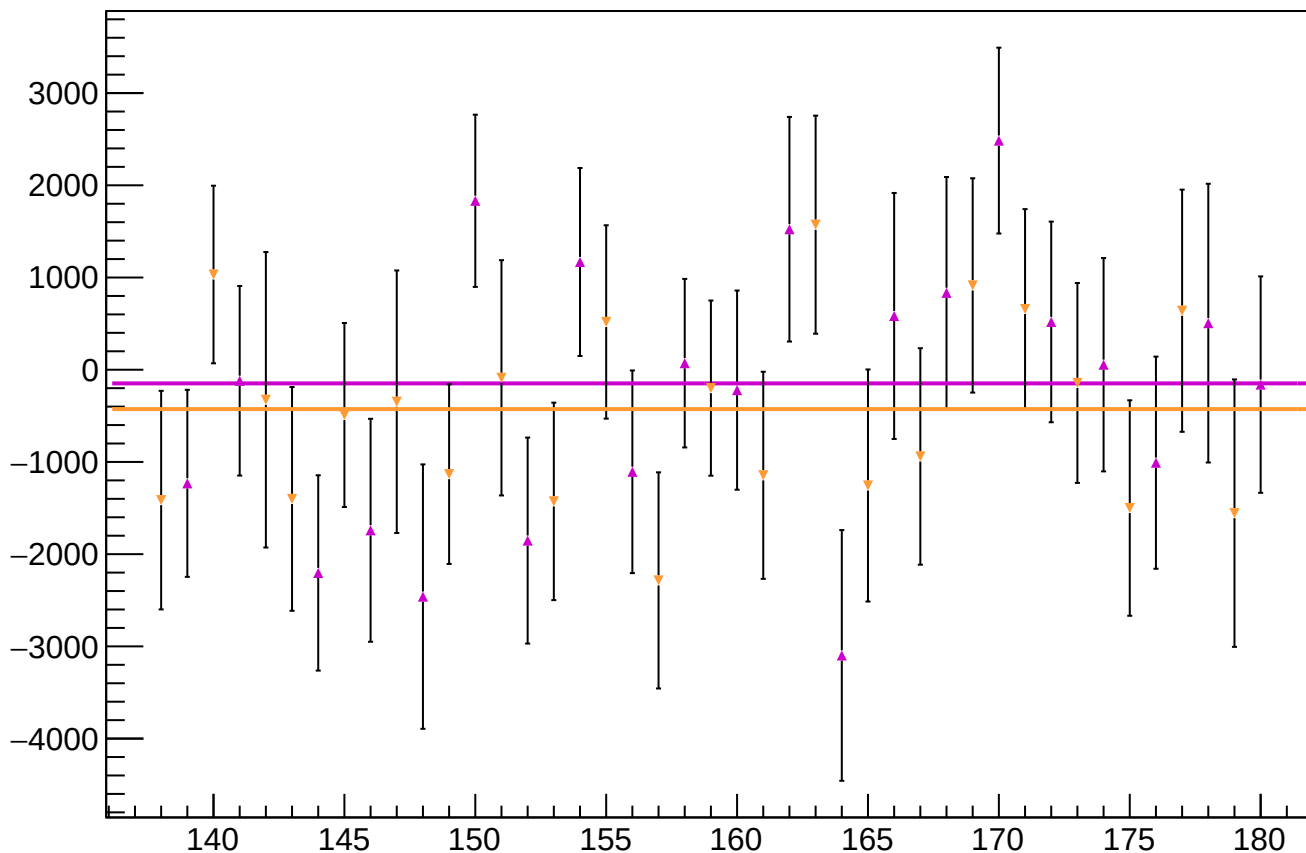
Left In: 159.430 $\pm$ 0.028 χ^2 /NDF:298169.5/20

+ sign 133.316 $\pm$ 0.020 χ^2 /NDF: 2783008.0/38

All: 131.199 $\pm$ 0.014 χ^2 /NDF: 6415508.8/78

- sign 129.188 $\pm$ 0.020 χ^2 /NDF: 3610950.0/39

asym_sam5_correction_mean vs Slug



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

Left Out: -427.033 $\pm$ 244.398 χ^2 /NDF:16.9/21

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

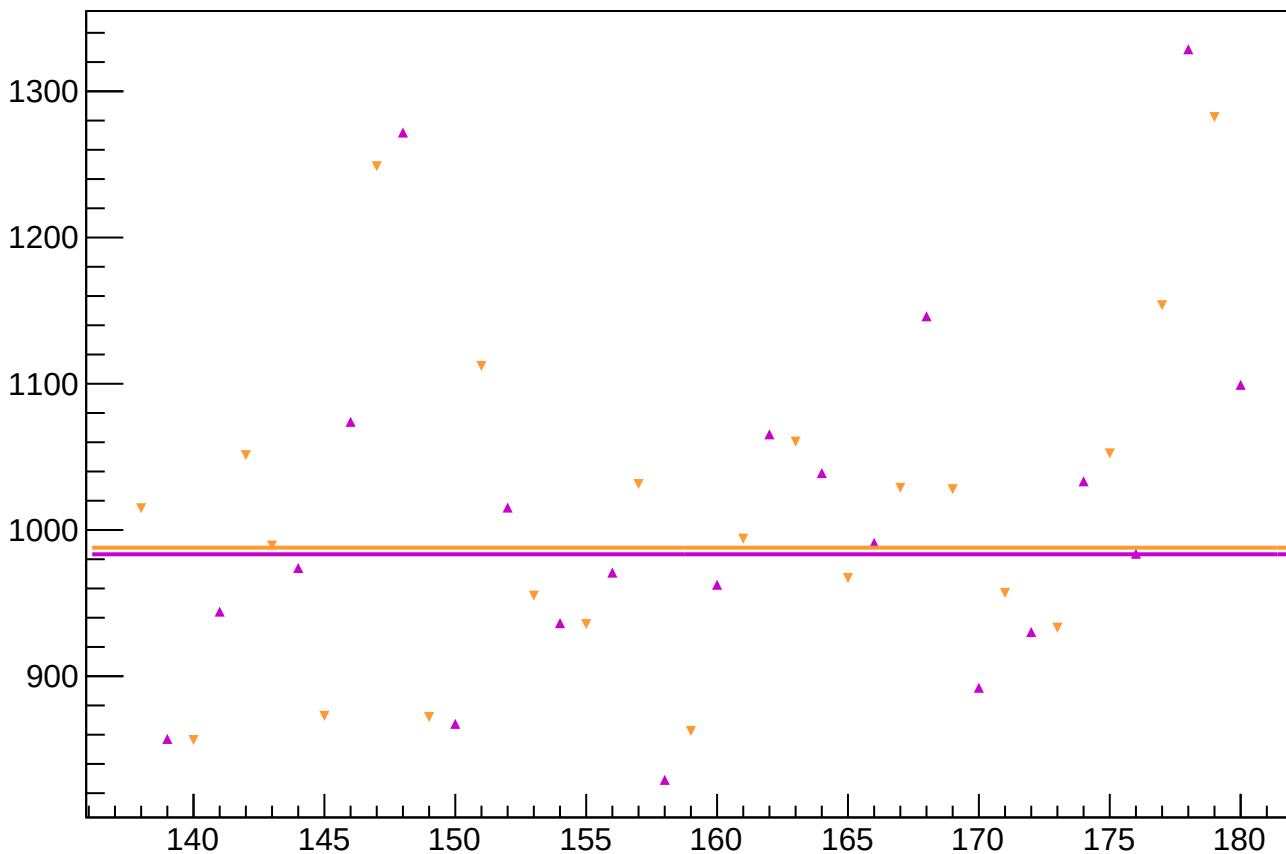
Left In: -148.052 $\pm$ 244.840 χ^2 /NDF:34.0/20

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

All: -287.794 $\pm$ 172.971 χ^2 /NDF: 51.6/42

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

asym_sam5_correction_rms vs Slug



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

Left Out: 987.910+/-0.173 χ^2/NDF : 367086.6/21

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

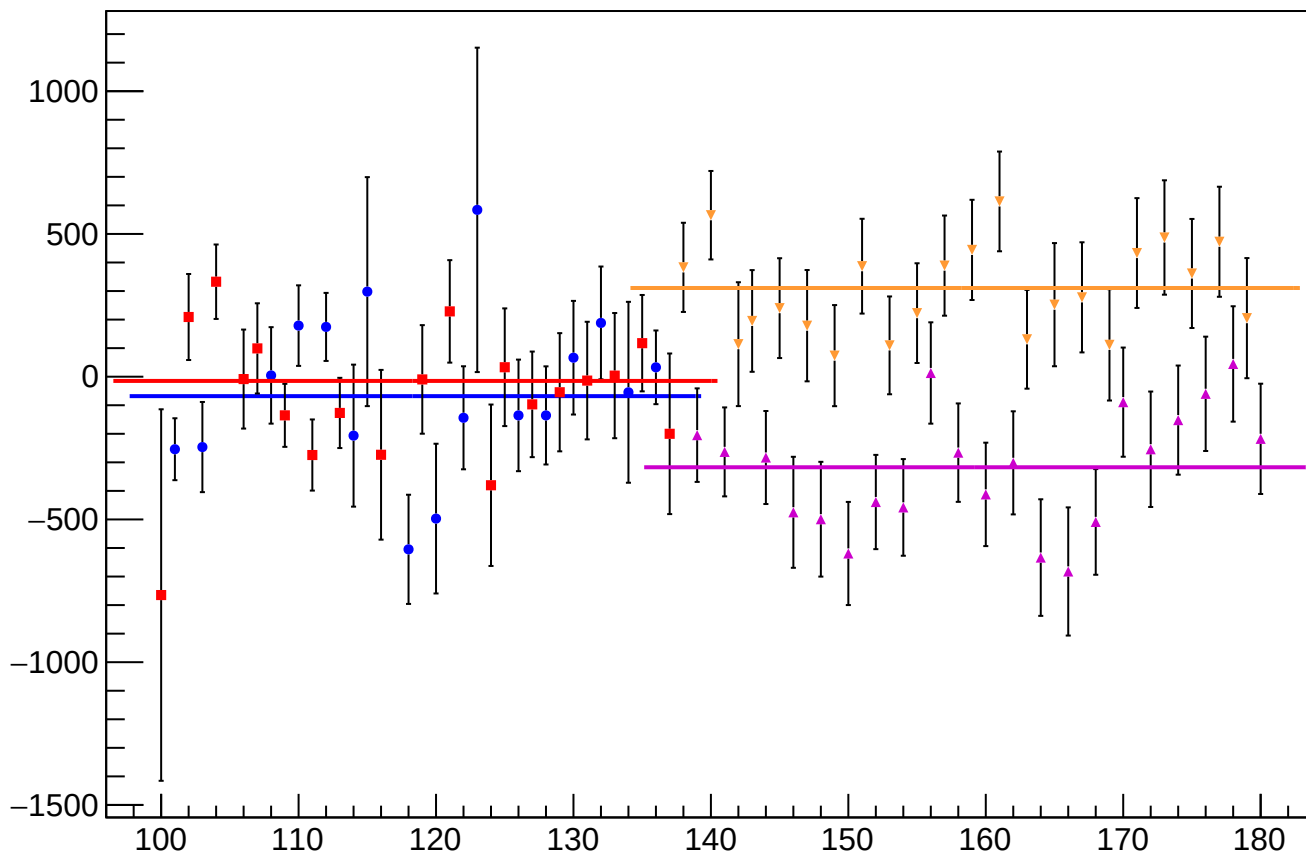
Left In: 983.376+/-0.173 χ^2/NDF : 415925.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 985.647+/-0.122 χ^2/NDF : 783355.5/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_mean vs Slug



Right In: -68.111 +/- 42.265 χ^2/NDF : 27.8/16

Left Out: 310.678 +/- 38.802 χ^2/NDF : 16.6/21

Right Out: -14.800 +/- 39.467 χ^2/NDF : 23.1/18

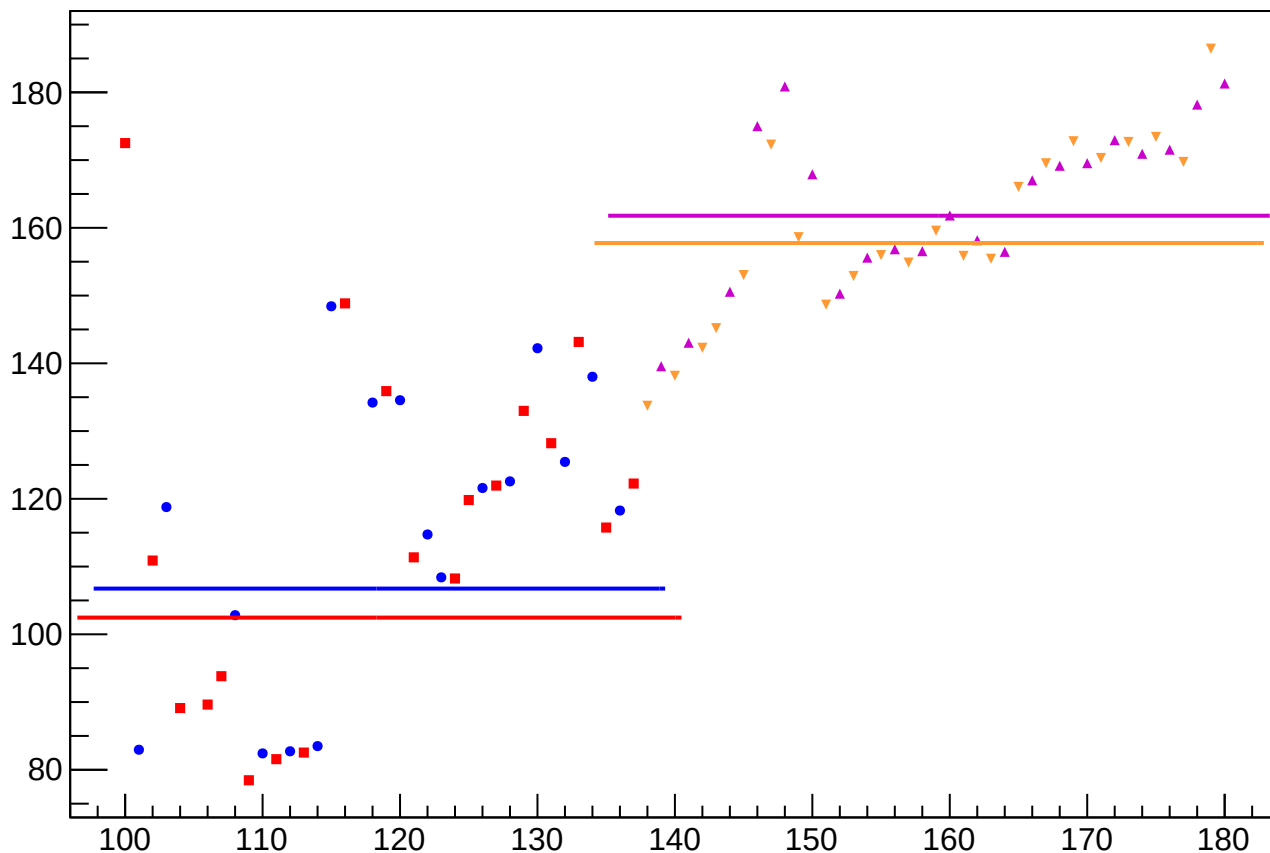
Left In: -317.227 +/- 40.014 χ^2/NDF : 23.5/20

+ sign 137.437 +/- 28.583 χ^2/NDF : 88.1/38

All: -15.824 +/- 20.038 χ^2/NDF : 220.2/78

- sign -163.931 +/- 28.099 χ^2/NDF : 75.6/39

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 157.759 $\pm$ 0.027 χ^2 /NDF:221413.9/21

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

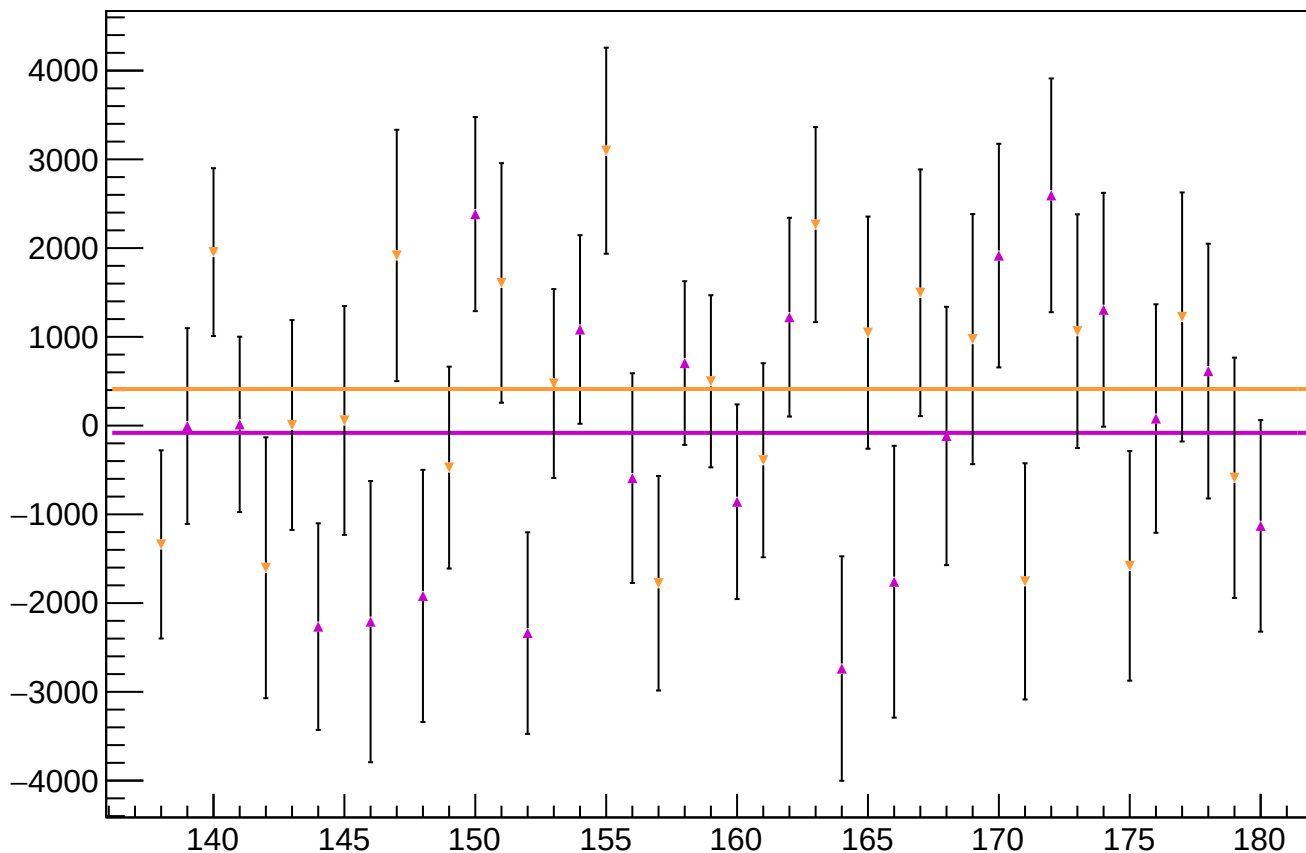
Left In: 161.789 $\pm$ 0.028 χ^2 /NDF:179310.7/20

+ sign 134.429 $\pm$ 0.020 χ^2 /NDF: 2303950.5/38

All: 133.051 $\pm$ 0.014 χ^2 /NDF: 5309903.3/78

- sign 131.719 $\pm$ 0.020 χ^2 /NDF: 2996810.4/39

asym_sam6_correction_mean vs Slug



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

Left Out: 412.430 $\pm$ 257.808 χ^2 /NDF:29.2/21

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

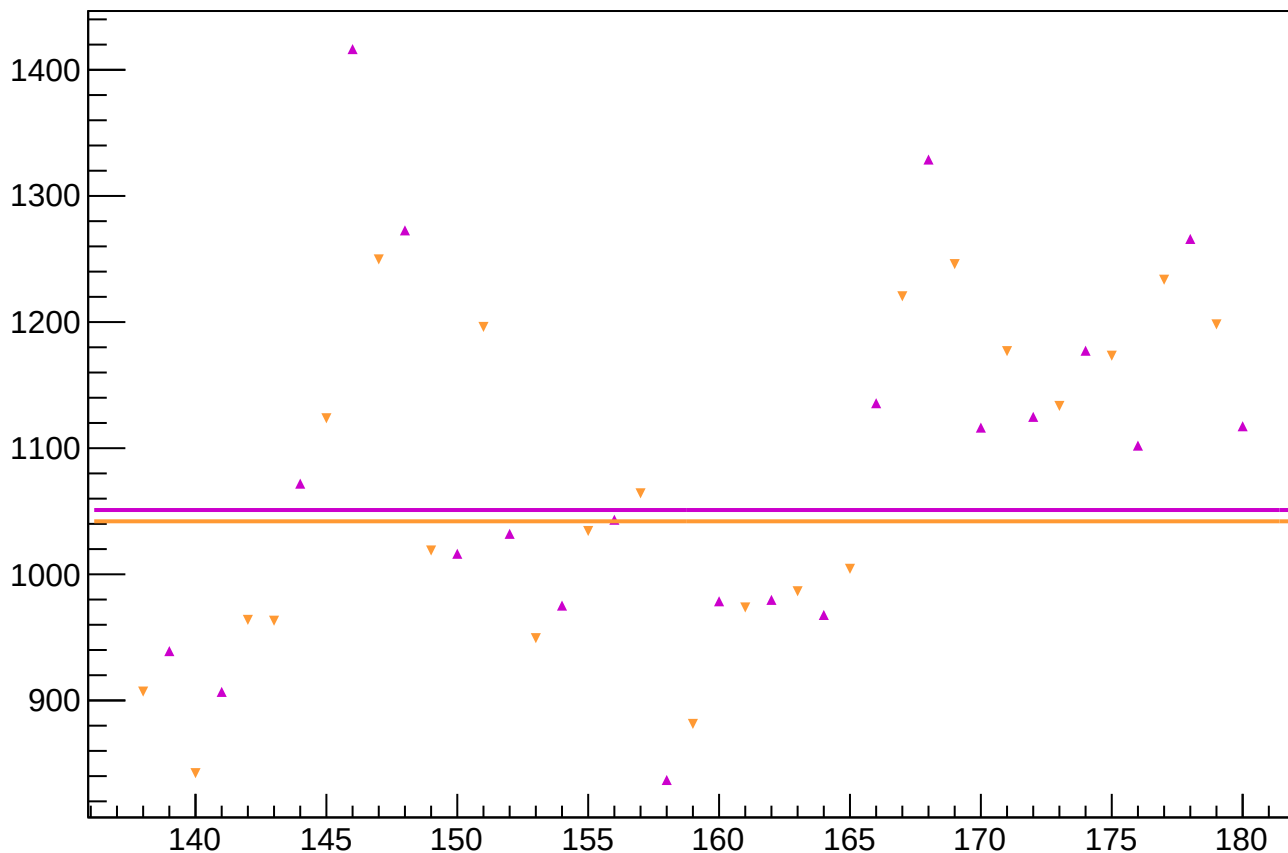
Left In: -82.005 $\pm$ 261.738 χ^2 /NDF:34.4/20

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

All: 168.952 $\pm$ 183.671 χ^2 /NDF: 65.4/42

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

asym_sam6_correction_rms vs Slug



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

Left Out: 1042.030+/-0.182 χ^2/NDF : 489038.4/21

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

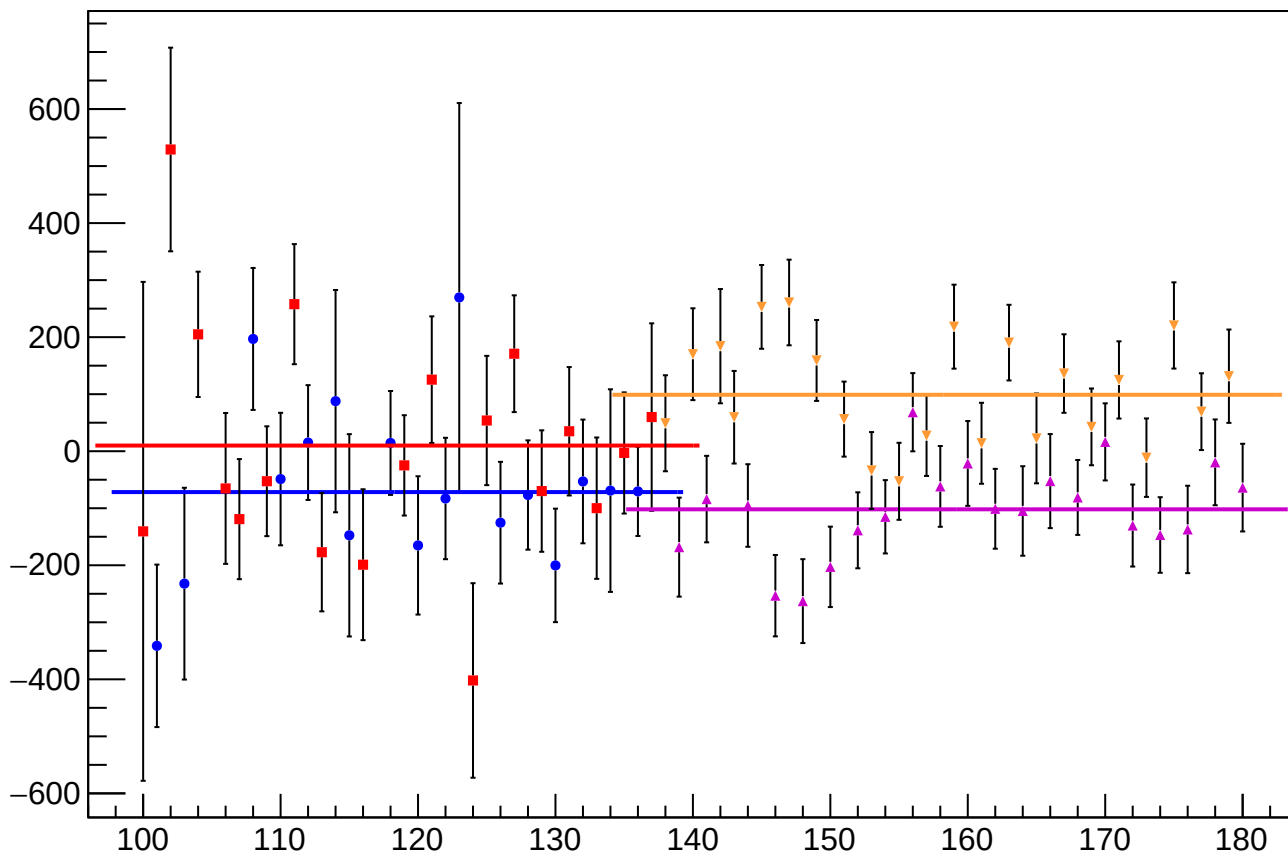
Left In: 1050.983+/-0.185 χ^2/NDF : 528331.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1046.439+/-0.130 χ^2/NDF : 1018557.8/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 χ^2/NDF : 15.2/16

Left Out: 98.955 ± 15.511 χ^2/NDF : 35.8/21

Right Out: 9.917 ± 26.816 χ^2/NDF : 36.5/18

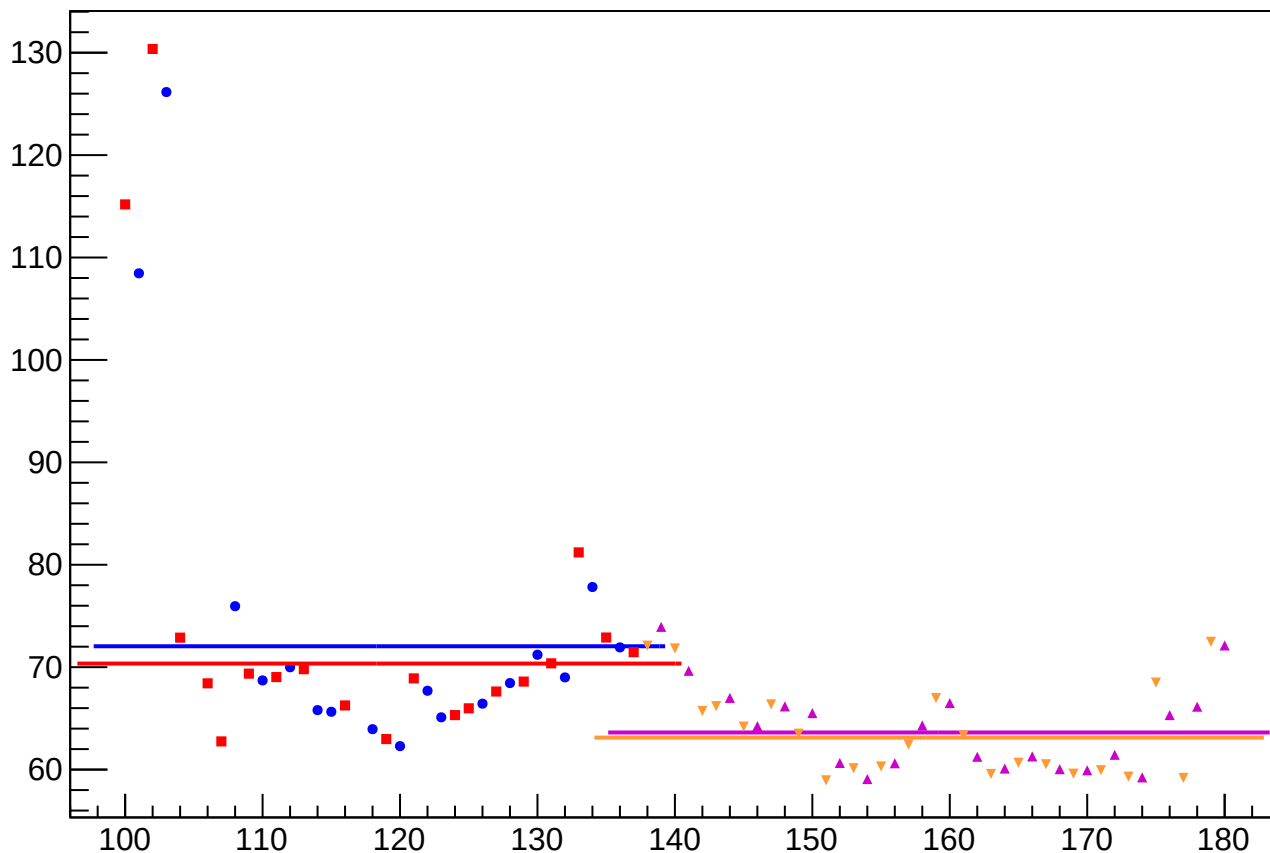
Left In: -101.887 ± 15.731 χ^2/NDF : 25.8/20

+ sign 59.665 ± 13.608 χ^2/NDF : 78.9/38

All: -6.995 ± 9.608 χ^2/NDF : 201.9/78

- sign -73.263 ± 13.568 χ^2/NDF : 75.2/39

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 63.123 $\pm$ 0.011 χ^2 /NDF: 145438.5/21

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

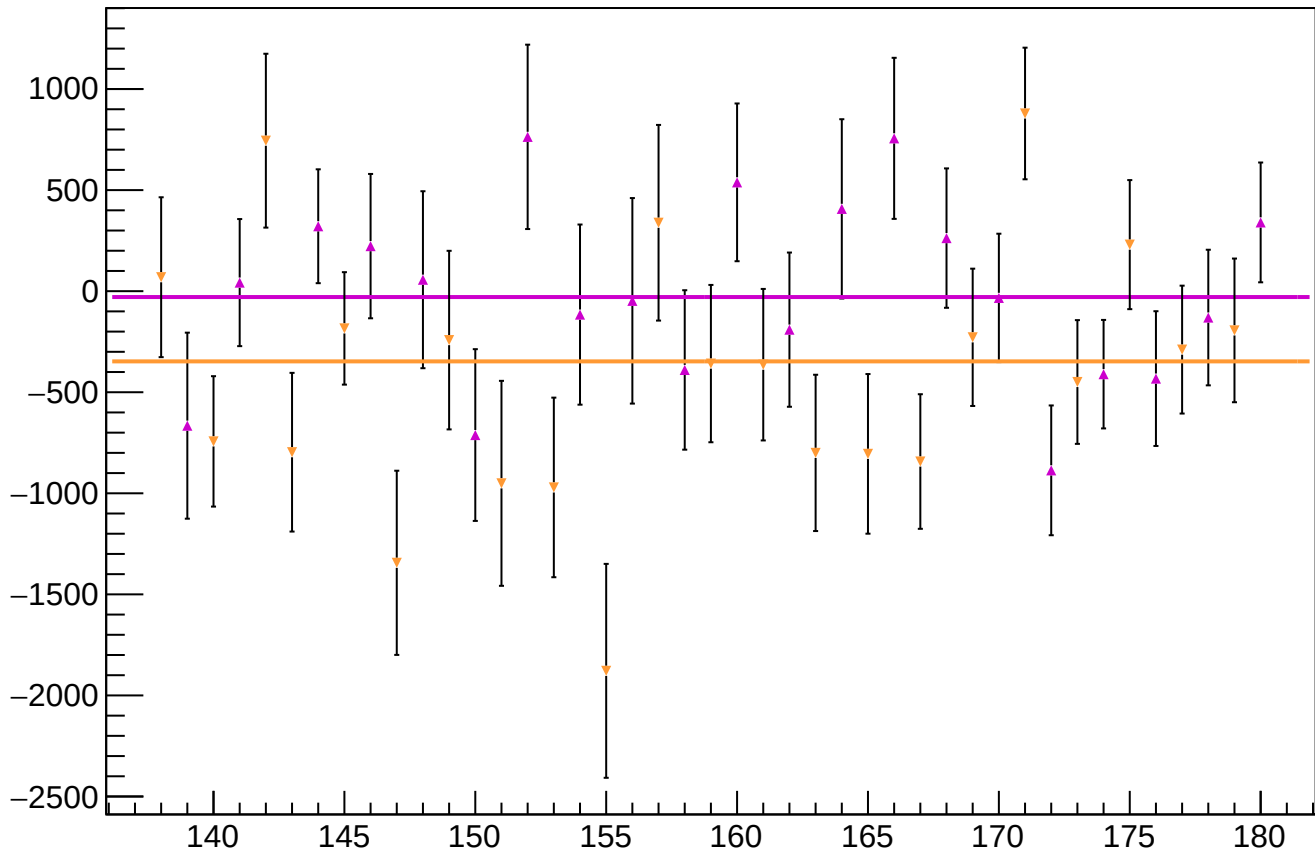
Left In: 63.623 $\pm$ 0.011 χ^2 /NDF: 128308.4/20

+ sign 65.177 $\pm$ 0.010 χ^2 /NDF: 689697.8/38

All: 65.261 $\pm$ 0.007 χ^2 /NDF: 1210827.5/78

- sign 65.345 $\pm$ 0.010 χ^2 /NDF: 520975.9/39

asym_sam7_correction_mean vs Slug



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

Left Out: -347.362 $\pm$ 79.082 χ^2 /NDF:52.2/21

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

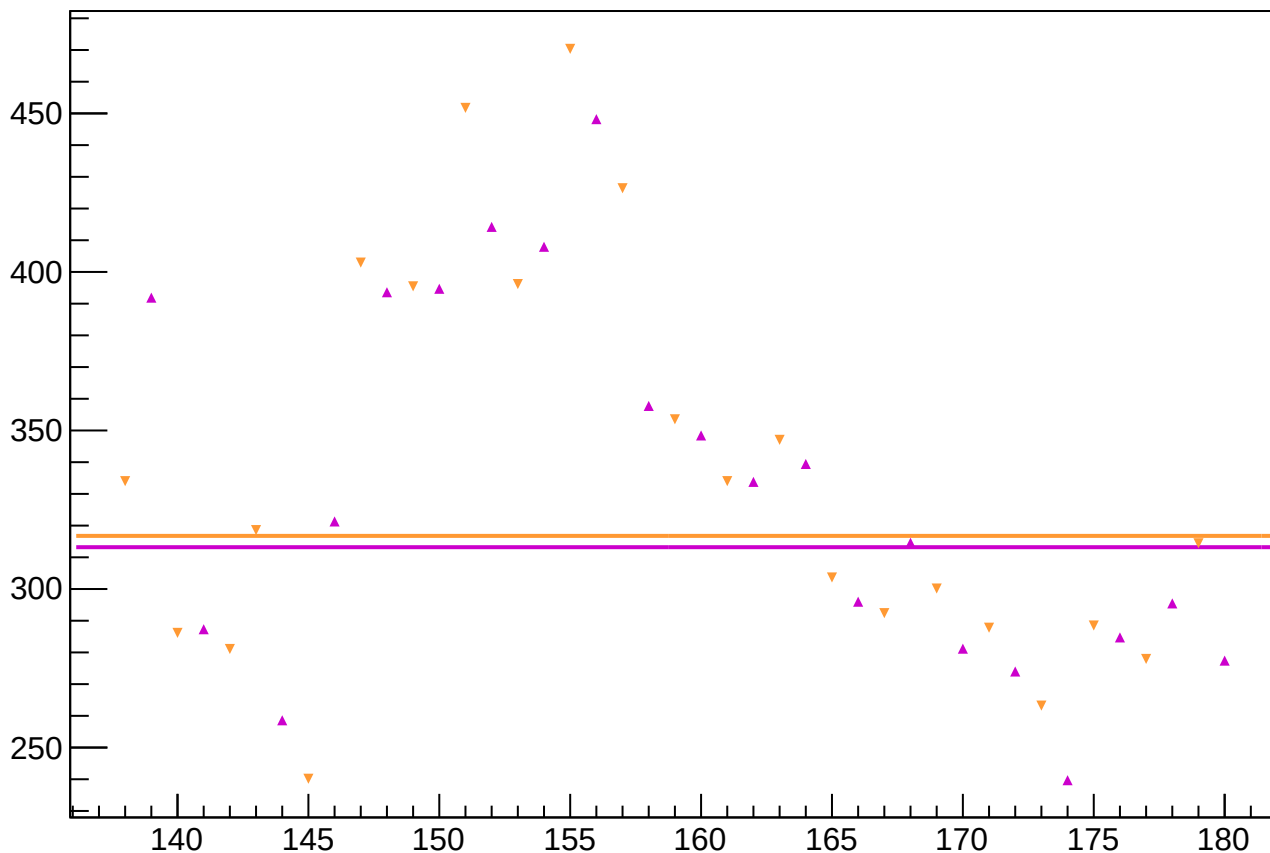
Left In: -29.054 $\pm$ 78.521 χ^2 /NDF:30.6/20

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

All: -187.075 $\pm$ 55.720 χ^2 /NDF: 91.0/42

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

asym_sam7_correction_rms vs Slug



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

Left Out: 316.758 +/- 0.056 χ^2/NDF : 974056.2/21

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

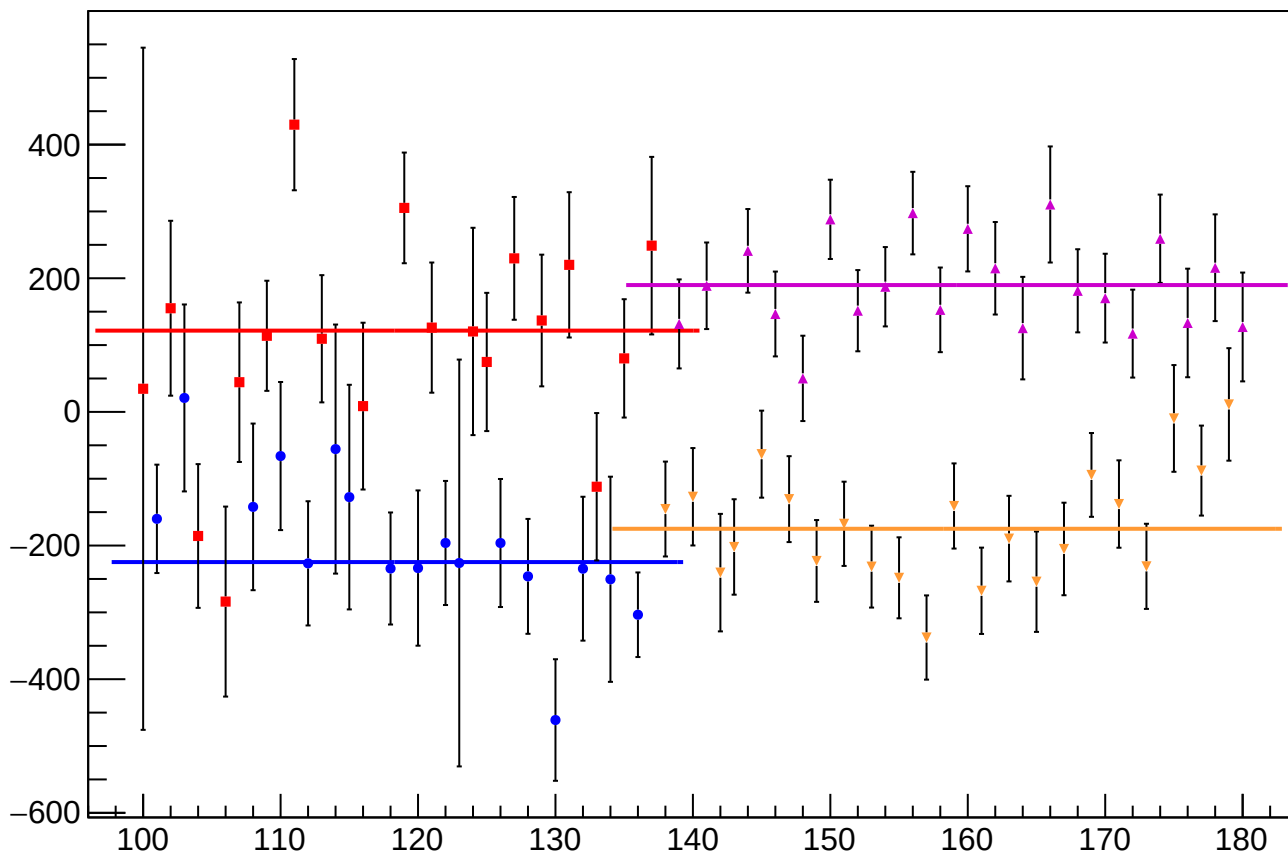
Left In: 313.190 +/- 0.056 χ^2/NDF : 926722.2/20

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: 314.961 +/- 0.039 χ^2/NDF : 1902828.9/42

- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_mean vs Slug



Right In: -224.727 $\pm$ 24.880 χ^2 /NDF: 16.0/16

Left Out: -174.897 $\pm$ 14.333 χ^2 /NDF:31.6/21

Right Out: 121.633 $\pm$ 24.599 χ^2 /NDF: 40.5/18

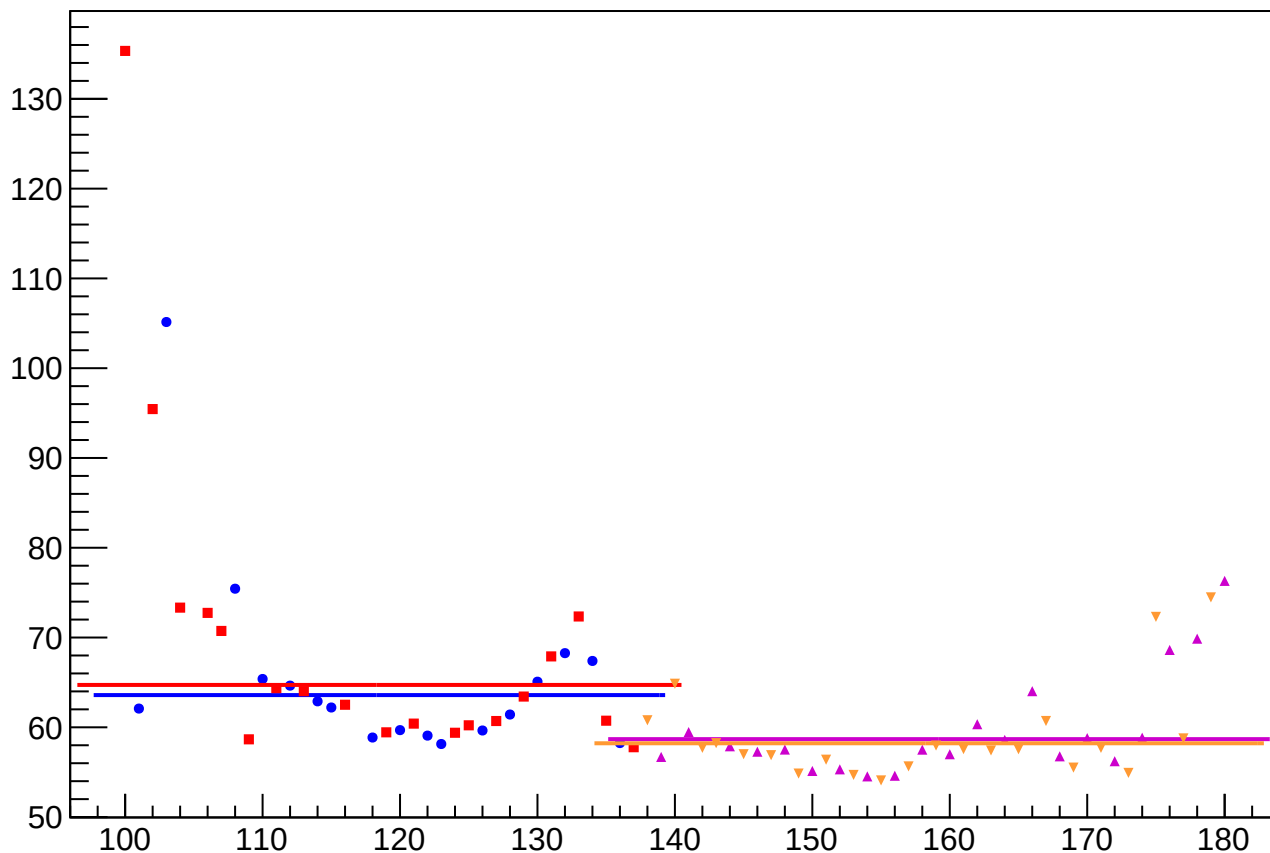
Left In: 189.815 $\pm$ 14.549 χ^2 /NDF:21.3/20

+ sign -187.314 $\pm$ 12.420 χ^2 /NDF: 50.6/38

All: -9.070 $\pm$ 8.818 χ^2 /NDF: 533.5/78

- sign 172.145 $\pm$ 12.523 χ^2 /NDF: 67.5/39

reg_asym_sam8_rms vs Slug



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 58.221 $\pm$ 0.010 χ^2 /NDF:197142.0/21

Right Out: 64.720 $\pm$ 0.017 χ^2 /NDF: 227506.4/18

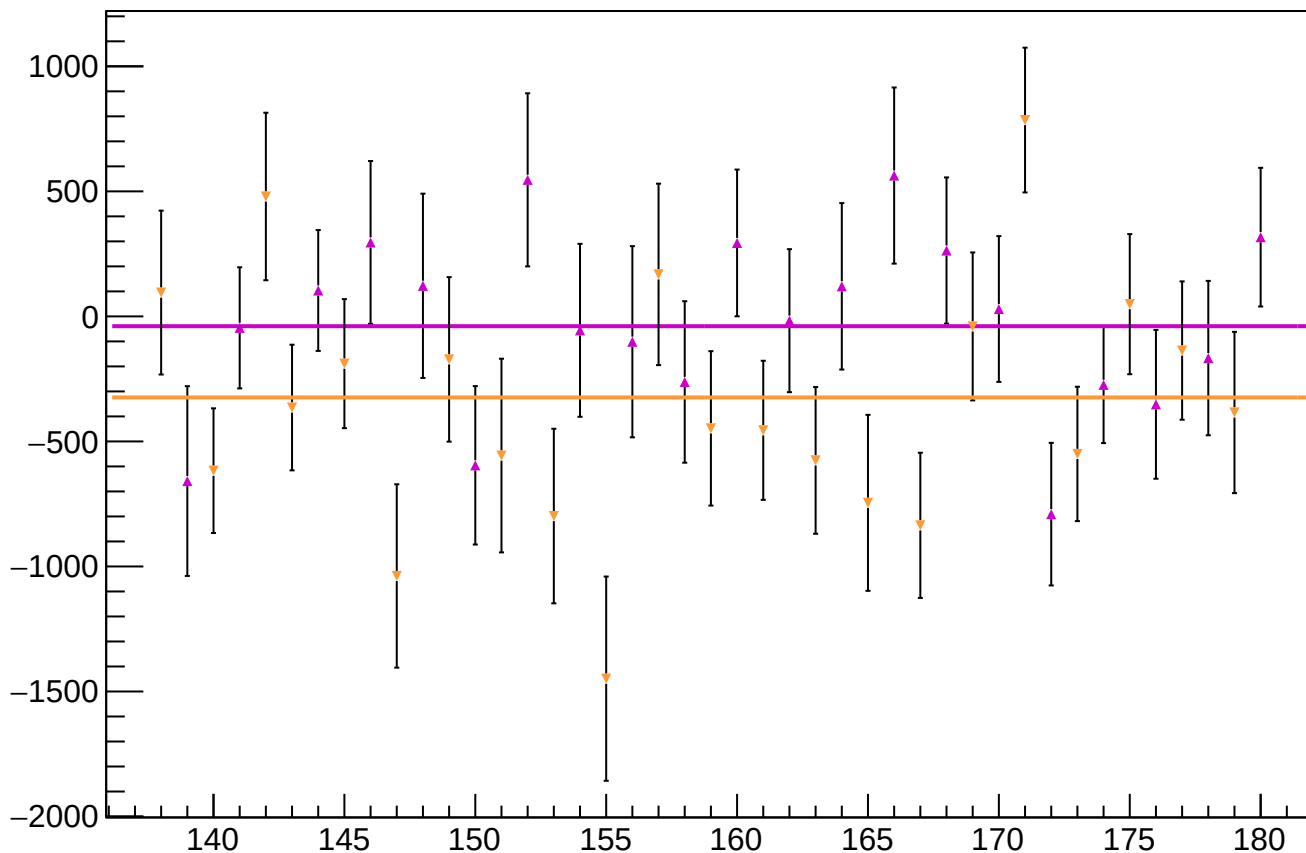
Left In: 58.682 $\pm$ 0.010 χ^2 /NDF:214179.5/20

+ sign 59.559 $\pm$ 0.009 χ^2 /NDF: 501648.1/38

All: 59.900 $\pm$ 0.006 χ^2 /NDF: 1035647.5/78

- sign 60.247 $\pm$ 0.009 χ^2 /NDF: 530952.4/39

asym_sam8_correction_mean vs Slug



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

Left Out: -324.190 $\pm$ 64.830 χ^2 /NDF: 48.9/21

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

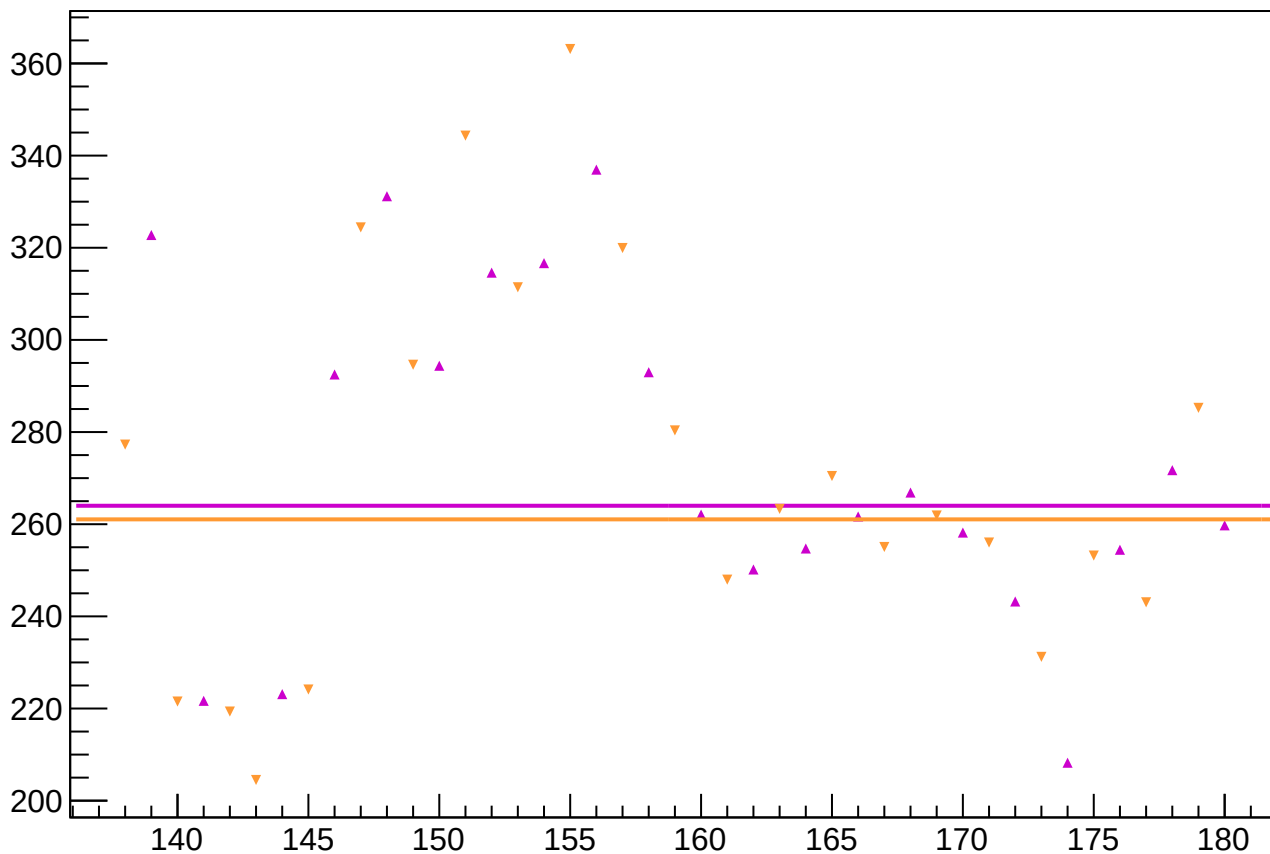
Left In: -39.178 $\pm$ 65.804 χ^2 /NDF: 27.2/20

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

All: -183.809 $\pm$ 46.182 χ^2 /NDF: 85.6/42

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

asym_sam8_correction_rms vs Slug



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

Left Out: 261.051+/-0.046 χ^2/NDF : 682115.5/21

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

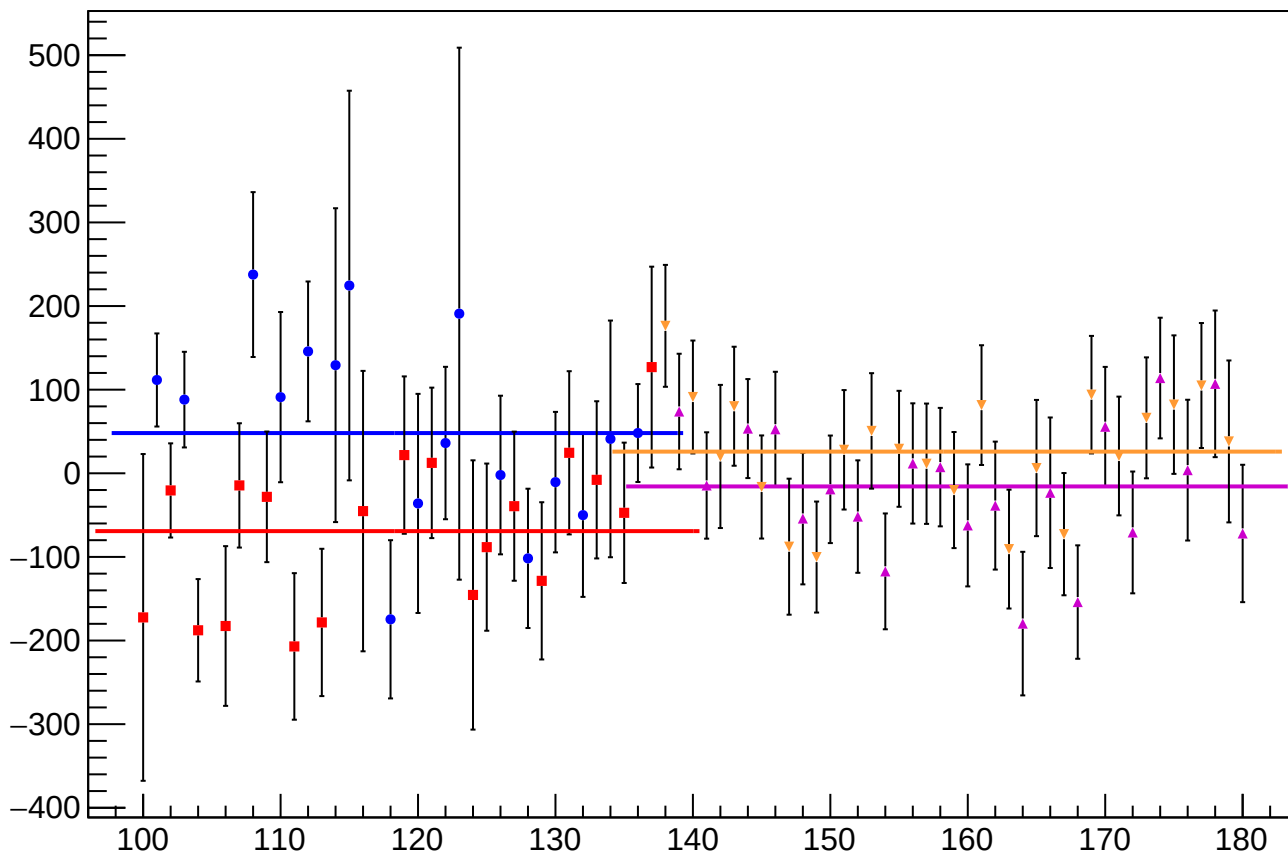
Left In: 264.006+/-0.047 χ^2/NDF : 580878.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 262.507+/-0.033 χ^2/NDF : 1265040.0/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109 ± 21.510 $\chi^2/\text{NDF}: 19.0/16$

Left Out: 25.932 ± 15.519 $\chi^2/\text{NDF}: 20.5/21$

Right Out: -69.156 ± 20.407 $\chi^2/\text{NDF}: 17.7/18$

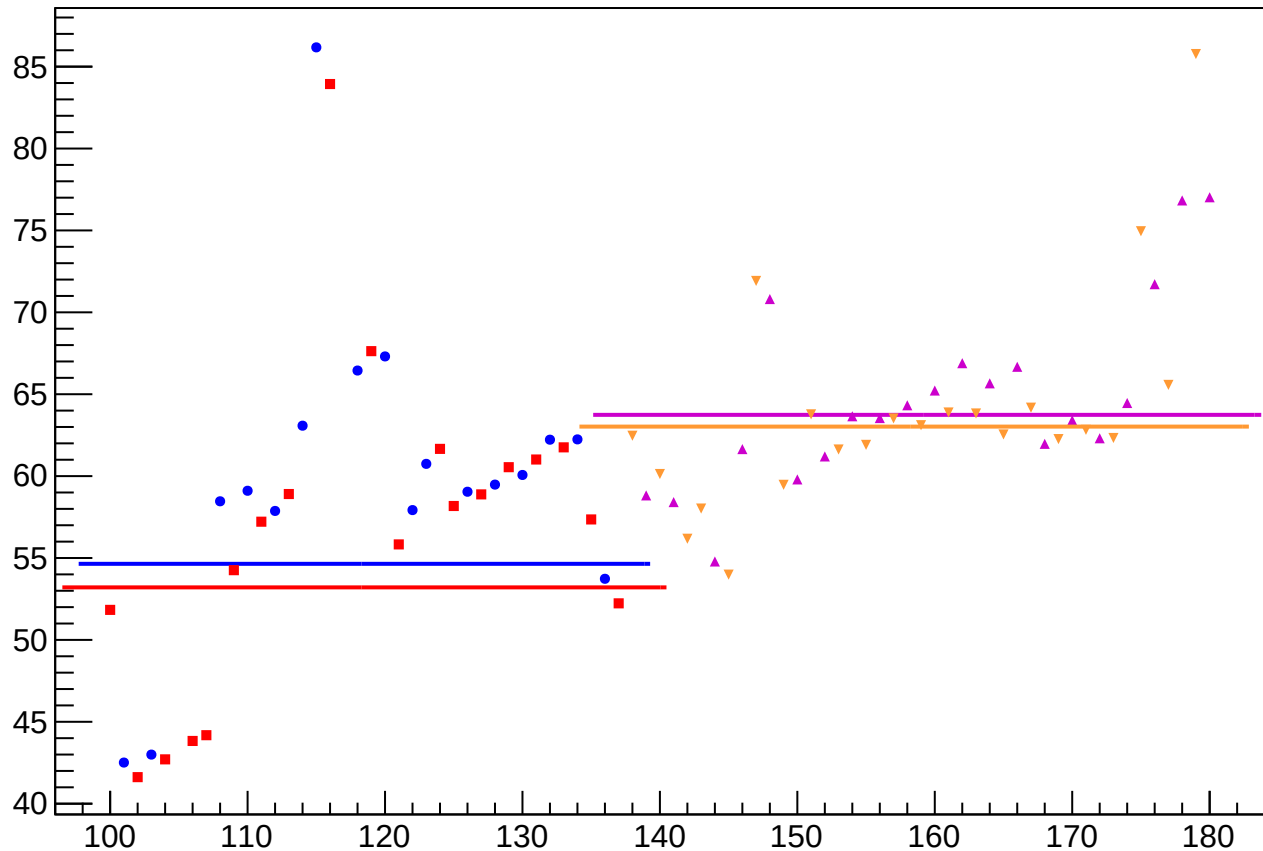
Left In: -15.713 ± 15.792 $\chi^2/\text{NDF}: 22.6/20$

+ sign 33.524 ± 12.586 $\chi^2/\text{NDF}: 40.1/38$

All: -1.369 ± 8.865 $\chi^2/\text{NDF}: 99.9/78$

- sign -35.730 ± 12.489 $\chi^2/\text{NDF}: 44.5/39$

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 63.023 $\pm$ 0.011 χ^2 /NDF: 256533.5/21

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

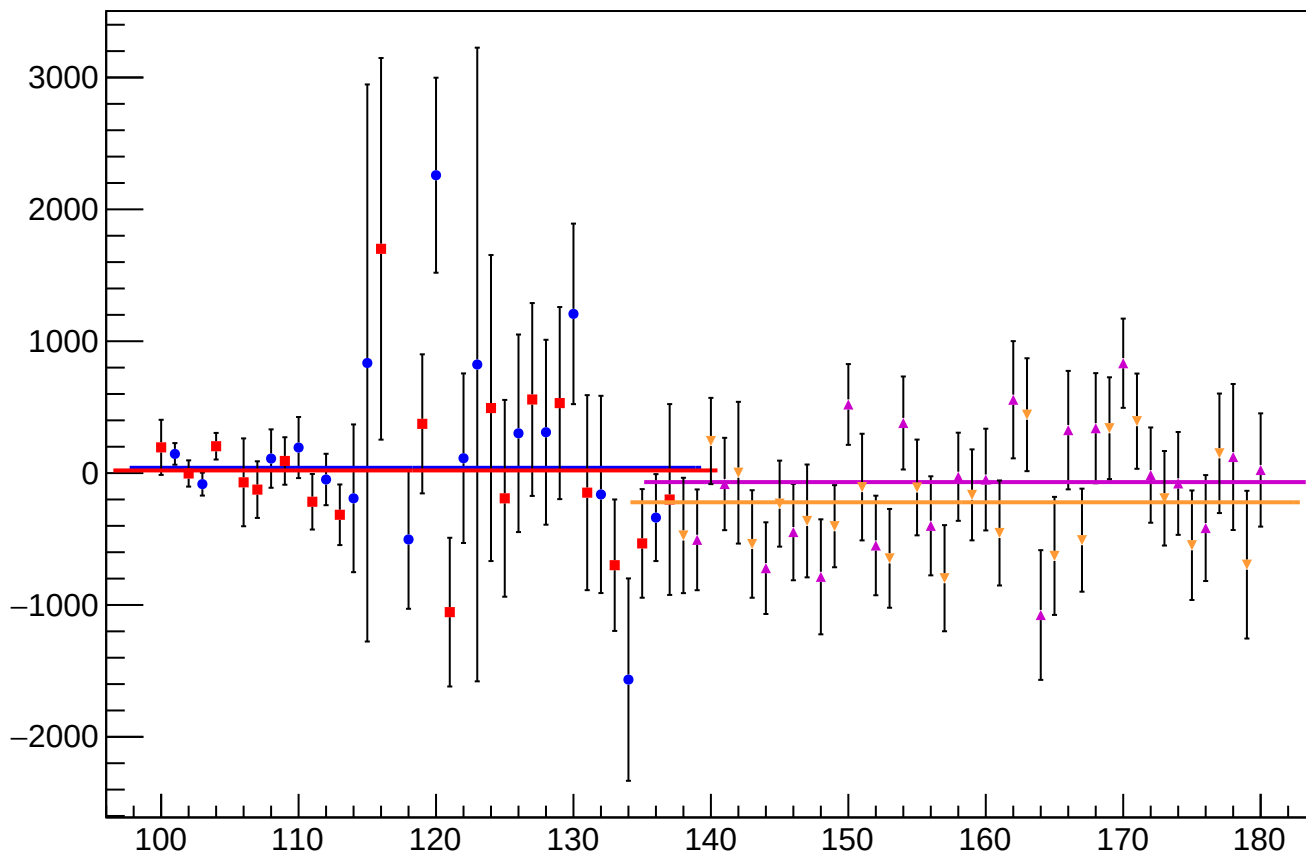
Left In: 63.740 $\pm$ 0.011 χ^2 /NDF: 222986.8/20

+ sign 60.155 $\pm$ 0.009 χ^2 /NDF: 775399.9/38

All: 59.974 $\pm$ 0.006 χ^2 /NDF: 1718787.0/78

- sign 59.795 $\pm$ 0.009 χ^2 /NDF: 942562.3/39

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -221.328 $\pm$ 83.344 χ^2 /NDF: 18.3/21

Right Out: 20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

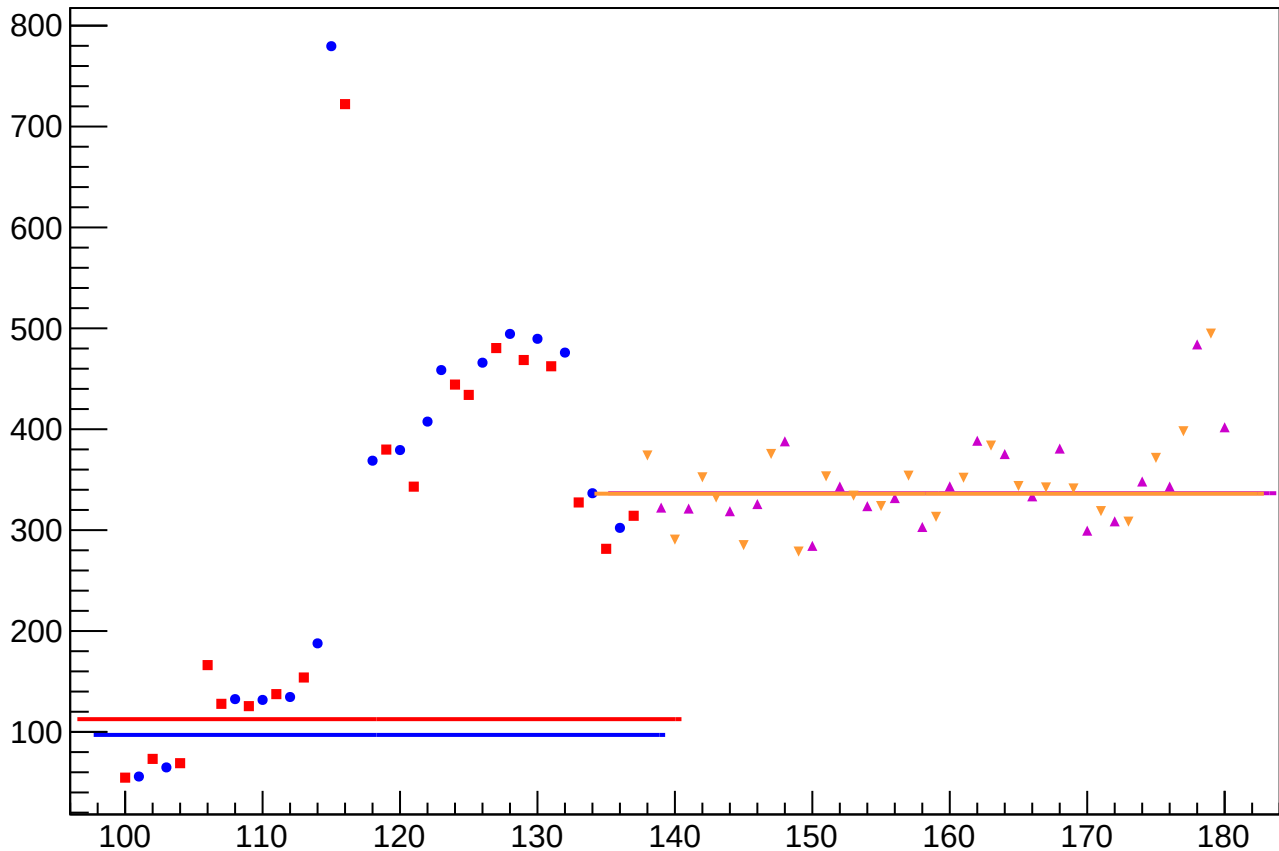
Left In: -68.255 $\pm$ 83.841 χ^2 /NDF: 32.3/20

+ sign -32.146 $\pm$ 43.837 χ^2 /NDF: 49.2/38

All: -19.025 $\pm$ 31.388 χ^2 /NDF: 101.4/78

- sign -5.219 $\pm$ 44.965 χ^2 /NDF: 52.0/39

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2 /NDF: 5819709.2/16

Left Out: 336.134+/-0.059 χ^2 /NDF: 466494.2/21

Right Out: 112.653+/-0.038 χ^2 /NDF: 5036306.5/18

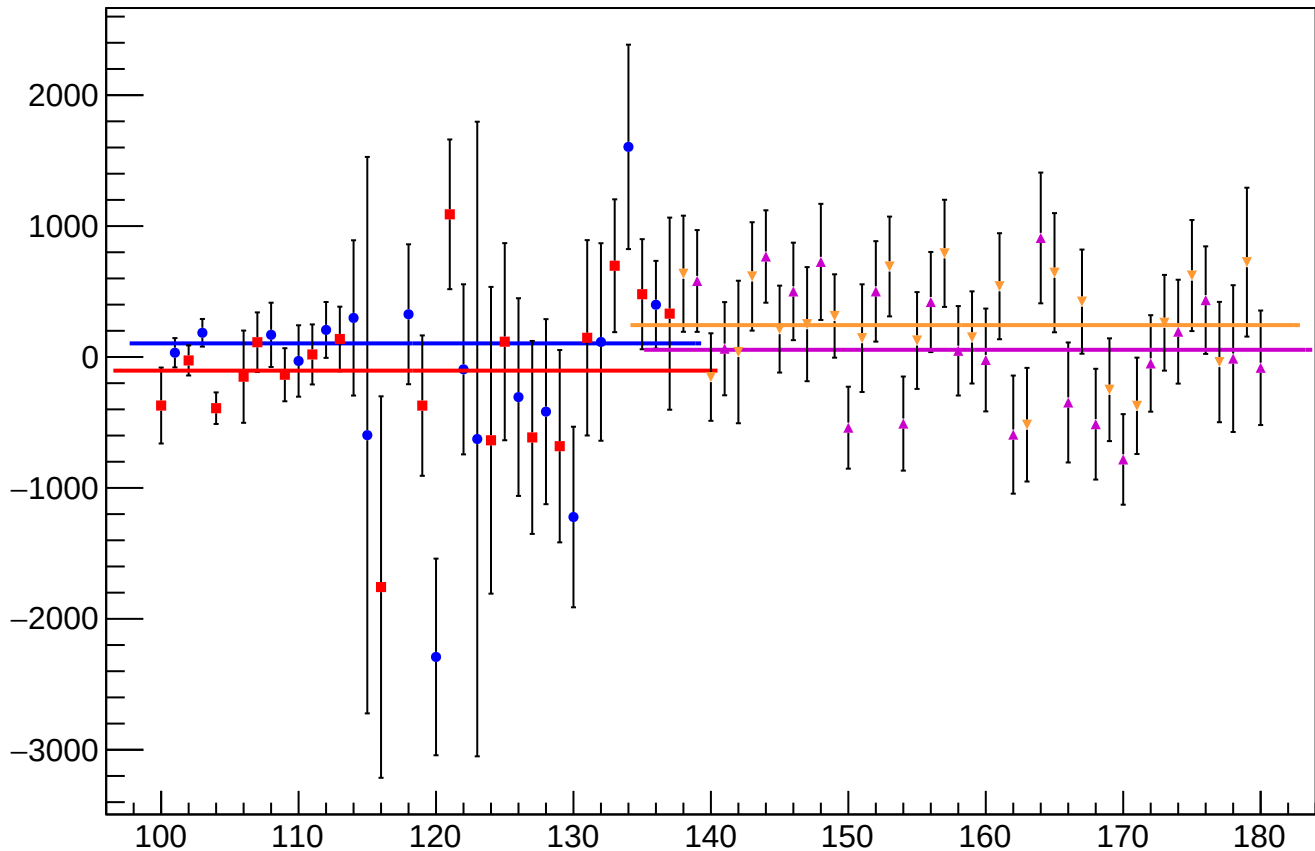
Left In: 336.582+/-0.059 χ^2 /NDF: 412569.8/20

+ sign 163.184+/-0.031 χ^2 /NDF: 18192417.3/38

All: 169.946+/-0.022 χ^2 /NDF: 33902443.7/78

- sign 177.061+/-0.032 χ^2 /NDF: 15612366.6/39

asym_sam_15_avg_mean vs Slug



Right In: 104.001 ± 63.156 χ^2/NDF : 21.3/16

Left Out: 243.512 ± 84.848 χ^2/NDF : 17.5/21

Right Out: -104.140 ± 60.857 χ^2/NDF : 21.3/18

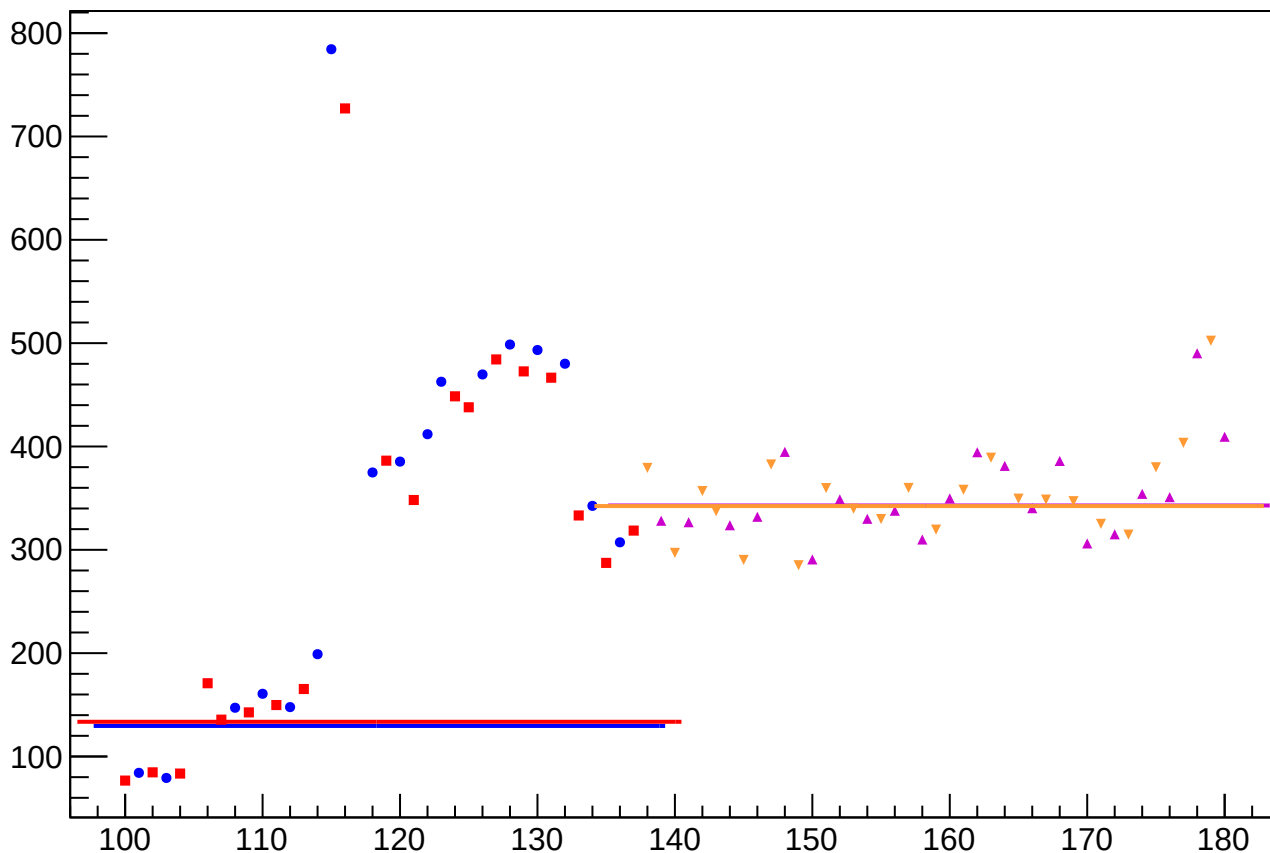
Left In: 54.987 ± 85.385 χ^2/NDF : 32.6/20

+ sign 153.740 ± 50.662 χ^2/NDF : 40.5/38

All: 49.351 ± 35.427 χ^2/NDF : 105.0/78

- sign -50.535 ± 49.558 χ^2/NDF : 56.2/39

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 342.350+/-0.060 χ^2/NDF : 454306.6/21

Right Out: 133.593+/-0.043 χ^2/NDF : 4366252.1/18

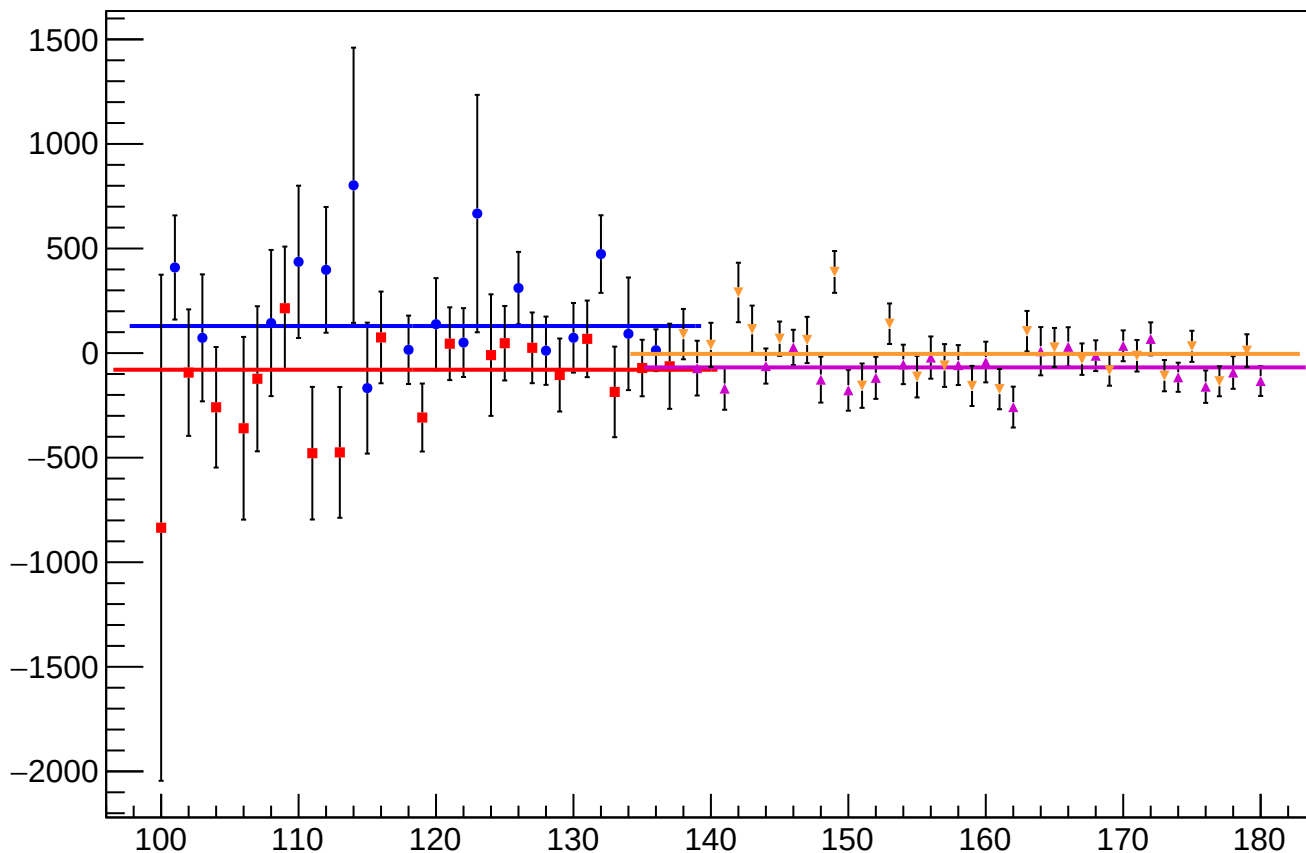
Left In: 342.910+/-0.060 χ^2/NDF : 399608.3/20

+ sign 205.419+/-0.036 χ^2/NDF : 13321821.4/38

All: 204.747+/-0.025 χ^2/NDF : 26058714.6/78

- sign 204.104+/-0.035 χ^2/NDF : 12736205.0/39

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: -3.886 $\pm$ 19.236 χ^2 /NDF: 42.2/21

Right Out: -79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

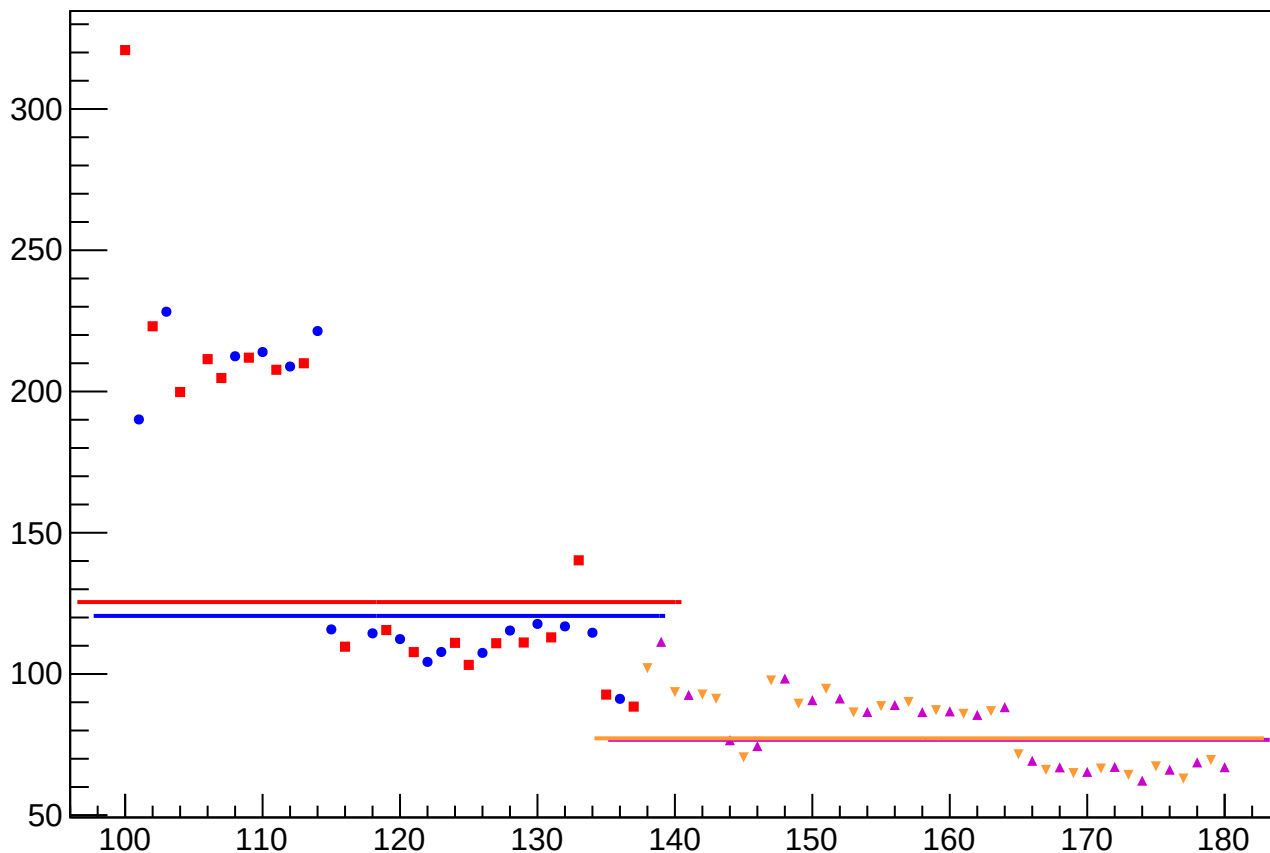
Left In: -68.416 $\pm$ 19.225 χ^2 /NDF: 18.0/20

+ sign 13.836 $\pm$ 17.912 χ^2 /NDF: 61.5/38

All: -27.943 $\pm$ 12.675 χ^2 /NDF: 100.7/78

- sign -69.847 $\pm$ 17.939 χ^2 /NDF: 28.3/39

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 77.226 $\pm$ 0.014 χ^2 /NDF:829484.0/21

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

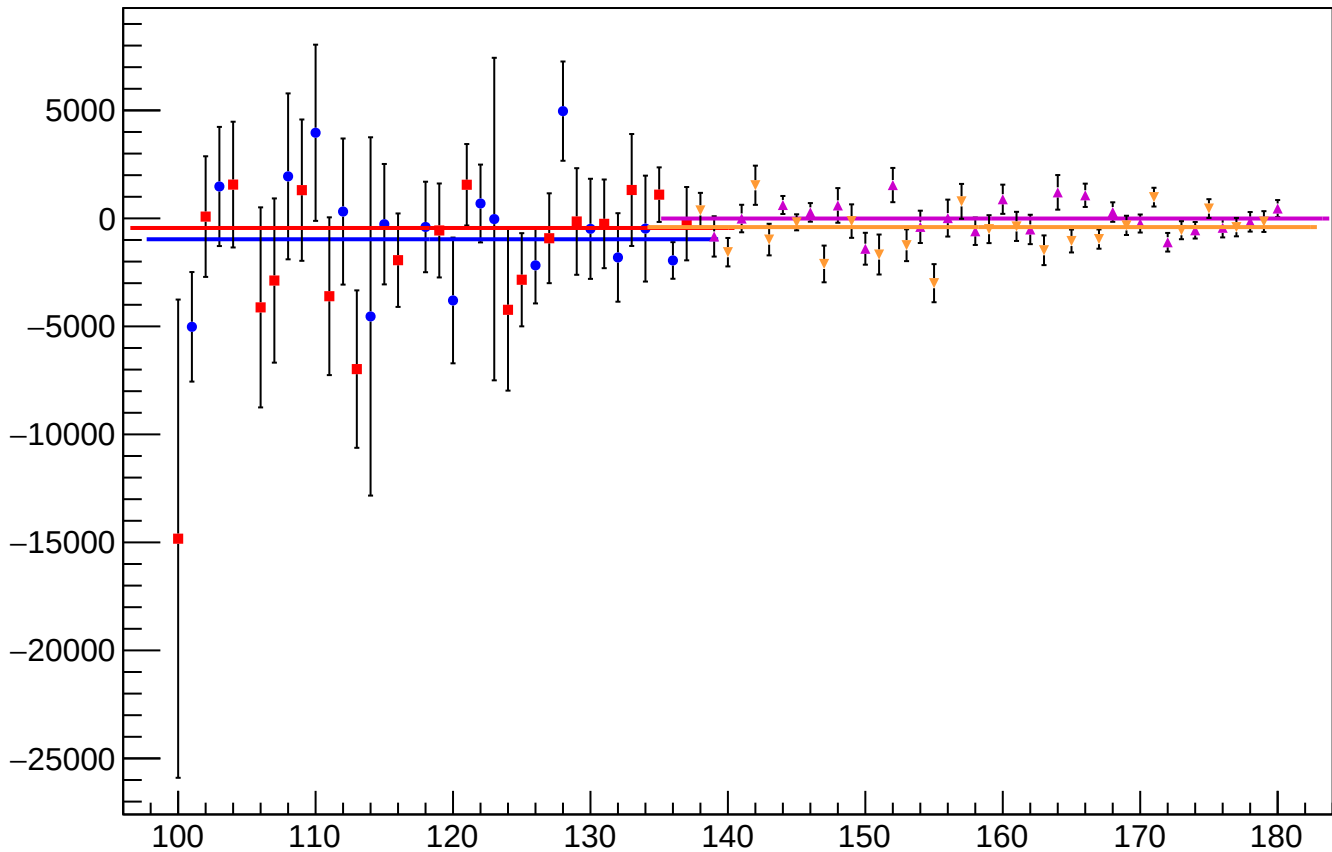
Left In: 76.705 $\pm$ 0.014 χ^2 /NDF:788328.7/20

+ sign 82.988 $\pm$ 0.013 χ^2 /NDF: 3291409.5/38

All: 82.999 $\pm$ 0.009 χ^2 /NDF: 7076753.4/78

- sign 83.009 $\pm$ 0.013 χ^2 /NDF: 3785342.5/39

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -403.358 ± 119.862 χ^2/NDF : 47.7/21

Right Out: -444.406 ± 545.370 χ^2/NDF : 13.4/18

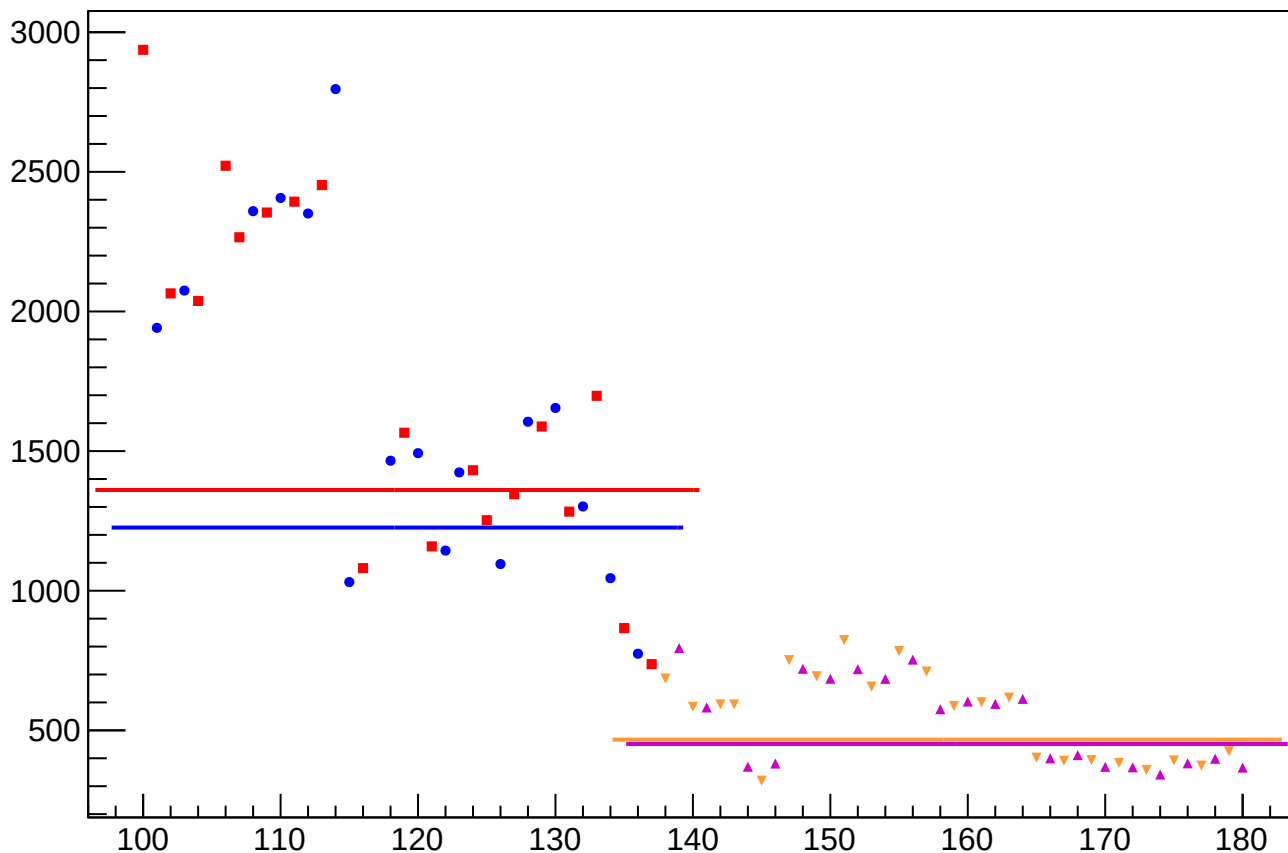
Left In: -6.518 ± 116.304 χ^2/NDF : 32.8/20

+ sign -432.586 ± 116.711 χ^2/NDF : 65.3/38

All: -223.842 ± 81.459 χ^2/NDF : 118.3/78

- sign -25.566 ± 113.747 χ^2/NDF : 46.8/39

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135 $\pm$ 0.362 χ^2/NDF : 1756323.1/16

Left Out: 466.737 $\pm$ 0.085 χ^2/NDF : 2652664.8/21

Right Out: 1360.770 $\pm$ 0.386 χ^2/NDF : 1749074.9/18

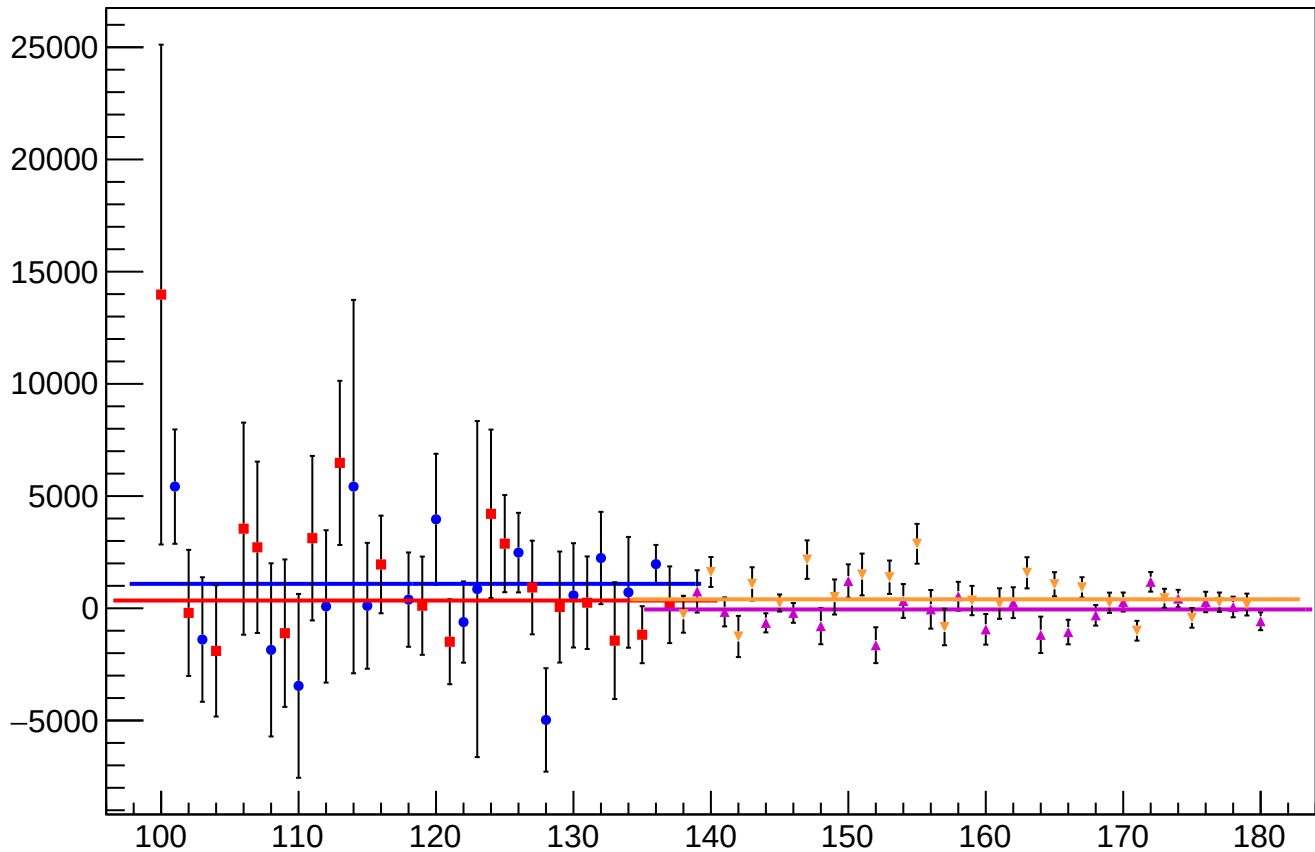
Left In: 451.056 $\pm$ 0.082 χ^2/NDF : 2448439.1/20

+ sign 506.144 $\pm$ 0.083 χ^2/NDF : 8574891.2/38

All: 498.187 $\pm$ 0.058 χ^2/NDF : 18113351.8/78

- sign 490.629 $\pm$ 0.080 χ^2/NDF : 9520333.0/39

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 399.984 $\pm$ 121.582 χ^2 /NDF: 45.8/21

Right Out: 345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

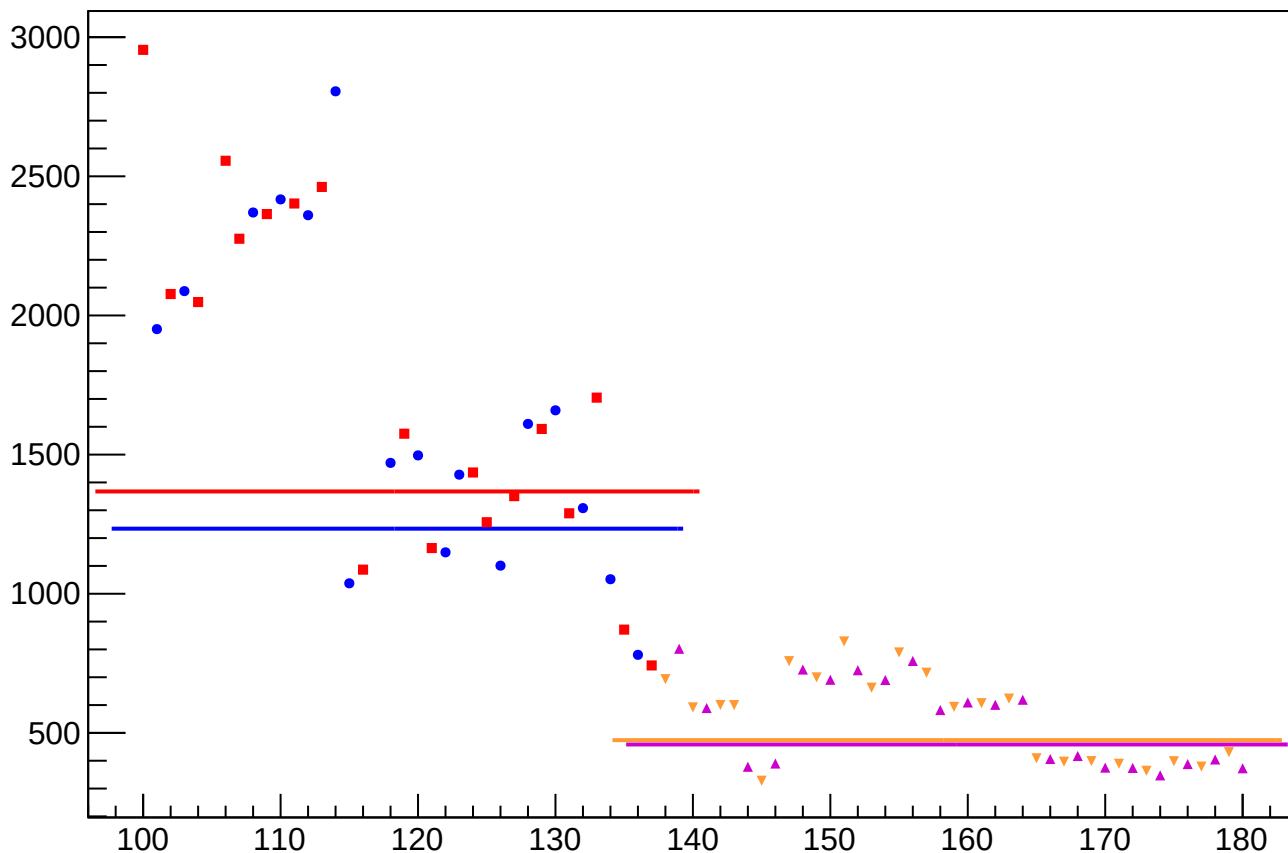
Left In: -51.790 $\pm$ 118.072 χ^2 /NDF: 31.5/20

+ sign 436.326 $\pm$ 118.332 χ^2 /NDF: 64.4/38

All: 195.228 $\pm$ 82.627 χ^2 /NDF: 117.0/78

- sign -34.170 $\pm$ 115.425 χ^2 /NDF: 44.5/39

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 473.980+/-0.086 χ^2/NDF : 2587742.8/21

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

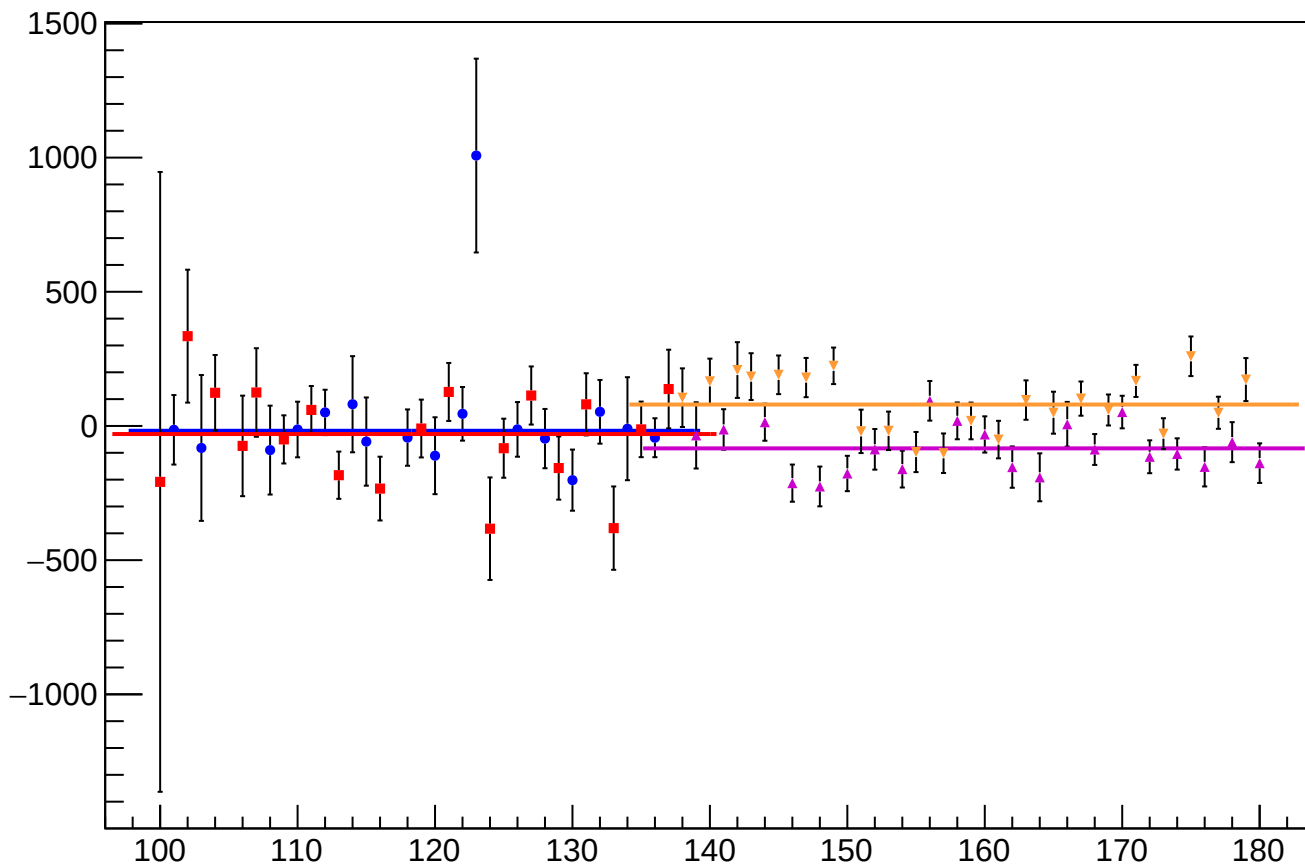
Left In: 458.400+/-0.083 χ^2/NDF : 2391195.6/20

+ sign 514.055+/-0.084 χ^2/NDF : 8452003.4/38

All: 506.192+/-0.058 χ^2/NDF : 17862770.6/78

- sign 498.709+/-0.082 χ^2/NDF : 9393530.3/39

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 79.892 ± 15.307 χ^2/NDF : 45.9/21

Right Out: -30.070 ± 27.976 χ^2/NDF : 27.4/18

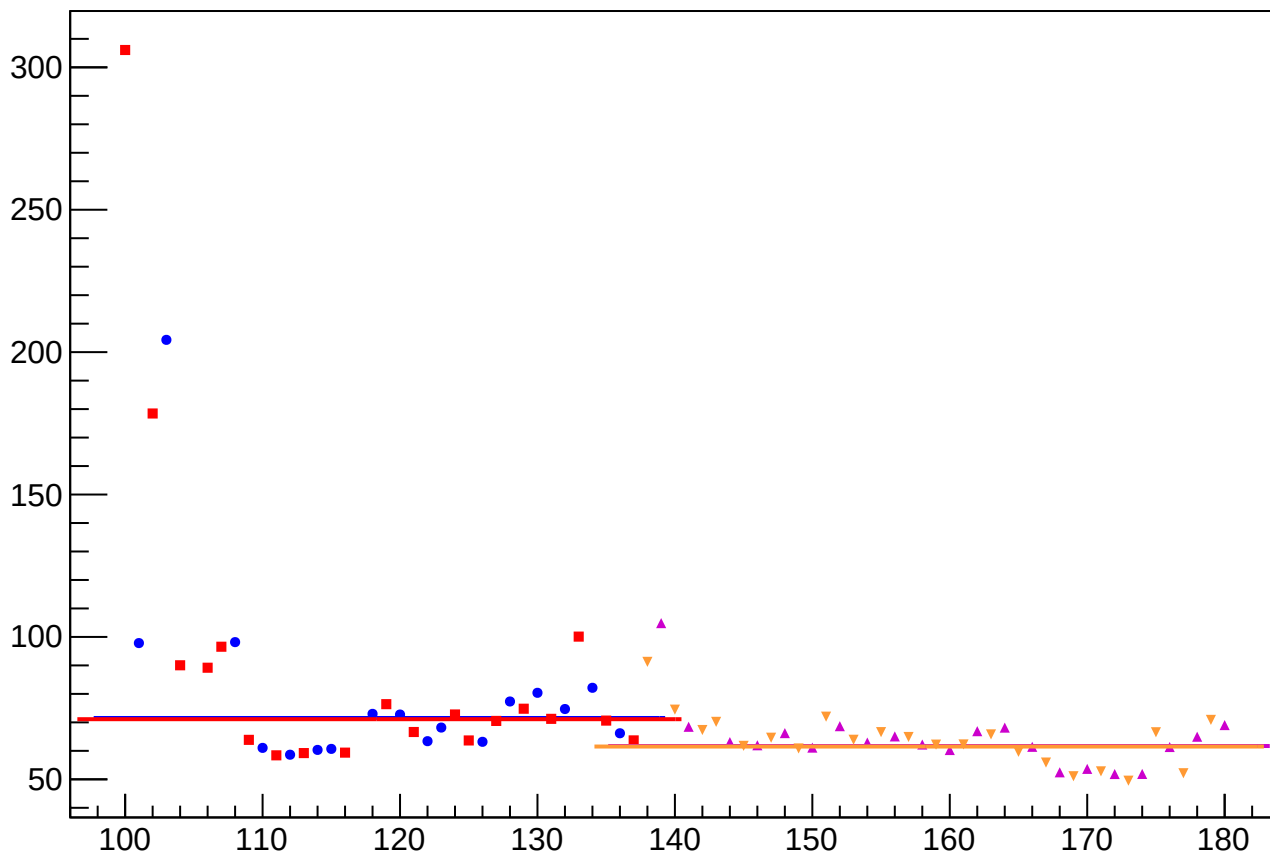
Left In: -83.479 ± 15.434 χ^2/NDF : 32.4/20

+ sign 58.393 ± 13.521 χ^2/NDF : 68.2/38

All: -6.347 ± 9.558 χ^2/NDF : 176.7/78

- sign -71.017 ± 13.514 χ^2/NDF : 62.6/39

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 61.517 $\pm$ 0.011 χ^2 /NDF: 577917.8/21

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

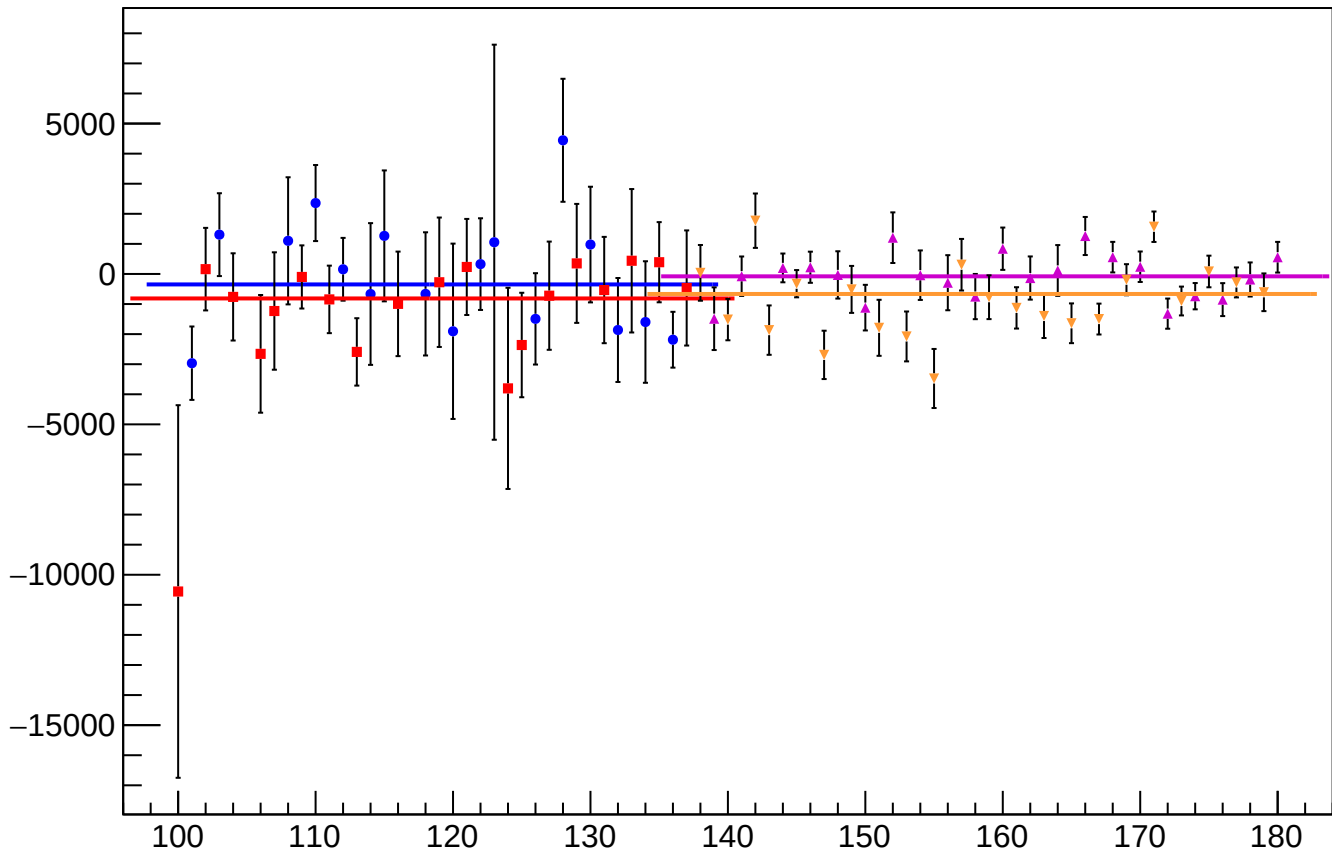
Left In: 61.697 $\pm$ 0.011 χ^2 /NDF: 529528.9/20

+ sign 63.718 $\pm$ 0.010 χ^2 /NDF: 1525132.9/38

All: 63.806 $\pm$ 0.007 χ^2 /NDF: 2993774.6/78

- sign 63.894 $\pm$ 0.010 χ^2 /NDF: 1468471.1/39

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 $\pm$ 381.994 χ^2/NDF : 24.1/16

Left Out: -665.448 $\pm$ 137.097 χ^2/NDF : 61.8/21

Right Out: -814.154 $\pm$ 369.807 χ^2/NDF : 10.5/18

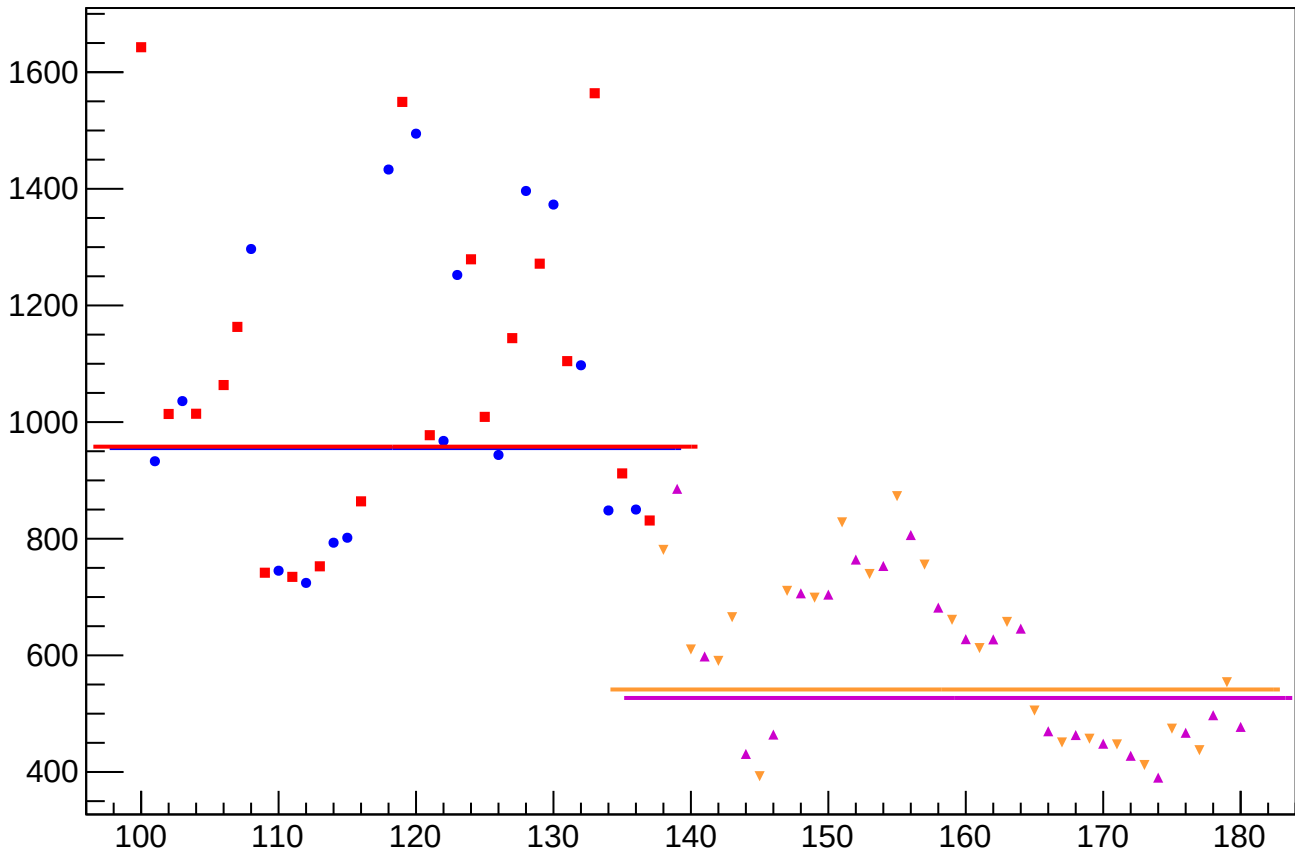
Left In: -78.998 $\pm$ 133.987 χ^2/NDF : 27.8/20

+ sign -629.217 $\pm$ 129.038 χ^2/NDF : 86.5/38

All: -391.175 $\pm$ 90.141 χ^2/NDF : 134.9/78

- sign -164.306 $\pm$ 125.974 χ^2/NDF : 41.8/39

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 541.486+/-0.097 χ^2/NDF : 1829845.7/21

Right Out: 957.849+/-0.261 χ^2/NDF : 693081.8/18

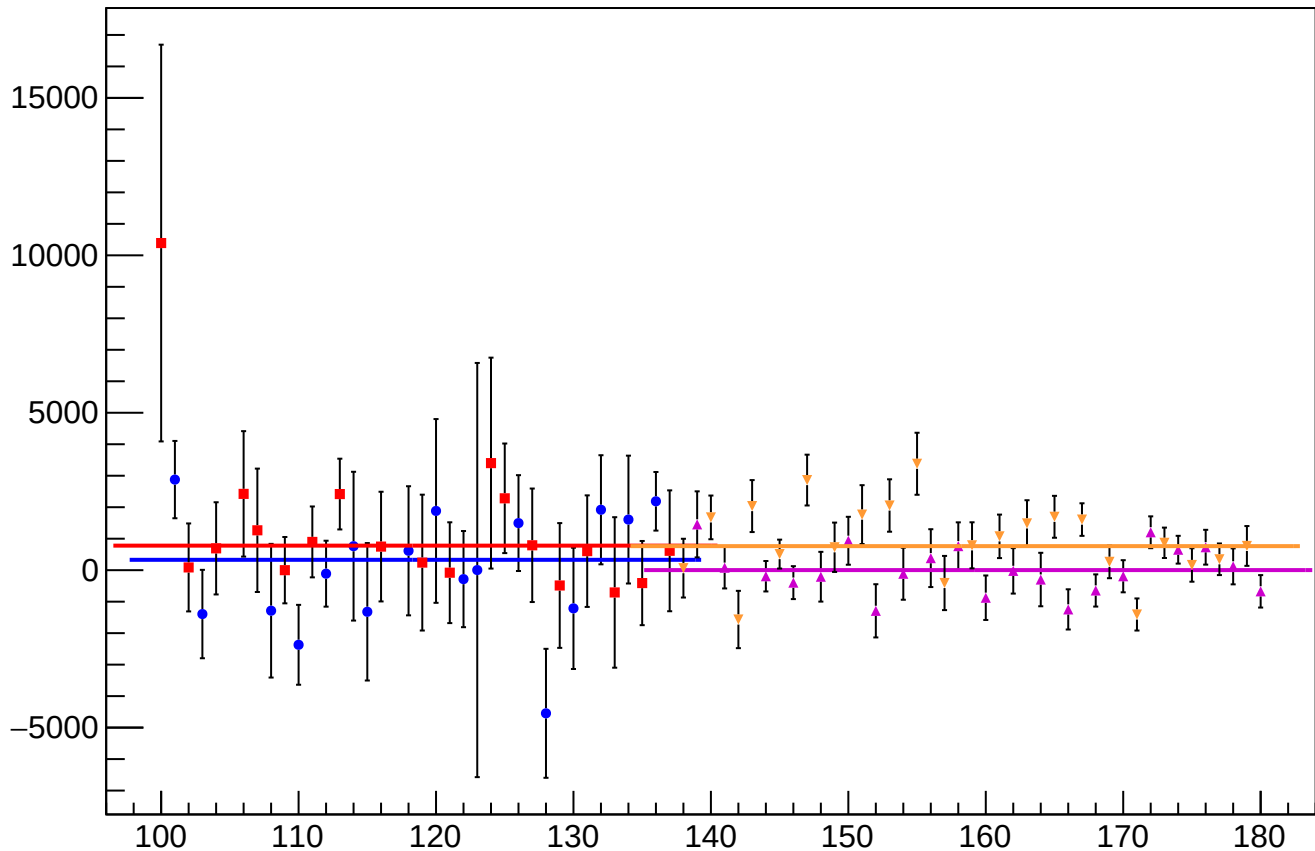
Left In: 526.923+/-0.095 χ^2/NDF : 1702558.1/20

+ sign 588.721+/-0.091 χ^2/NDF : 4556872.0/38

All: 582.683+/-0.064 χ^2/NDF : 9361643.3/78

- sign 576.928+/-0.089 χ^2/NDF : 4796218.4/39

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 763.850 ± 138.081 χ^2/NDF : 57.6/21

Right Out: 779.623 ± 371.673 χ^2/NDF : 9.3/18

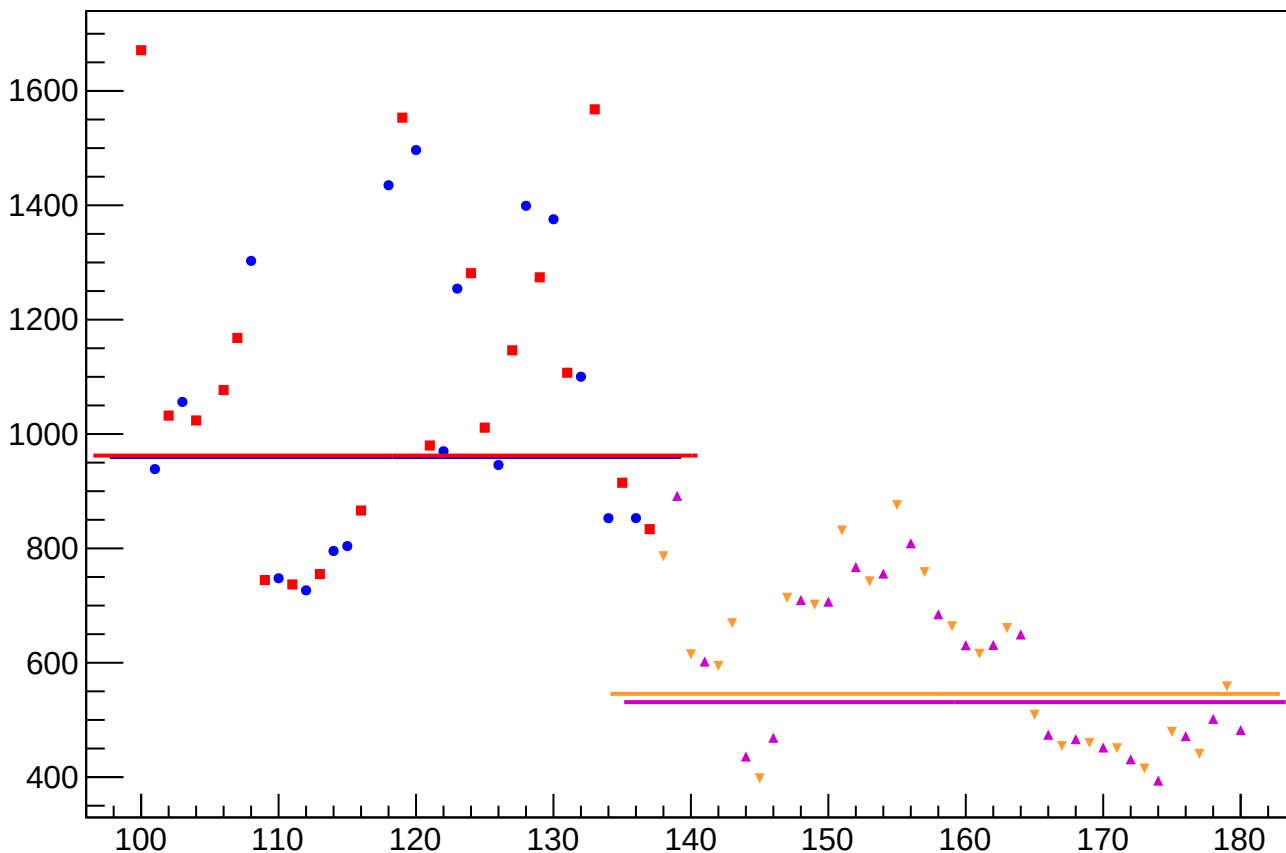
Left In: 2.699 ± 135.018 χ^2/NDF : 26.3/20

+ sign 714.017 ± 129.926 χ^2/NDF : 83.0/38

All: 396.342 ± 90.784 χ^2/NDF : 134.2/78

- sign 93.273 ± 126.904 χ^2/NDF : 39.5/39

asym_sam_37_avg_rms vs Slug



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 545.607 $\pm$ 0.098 χ^2 /NDF:1802563.9/21

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

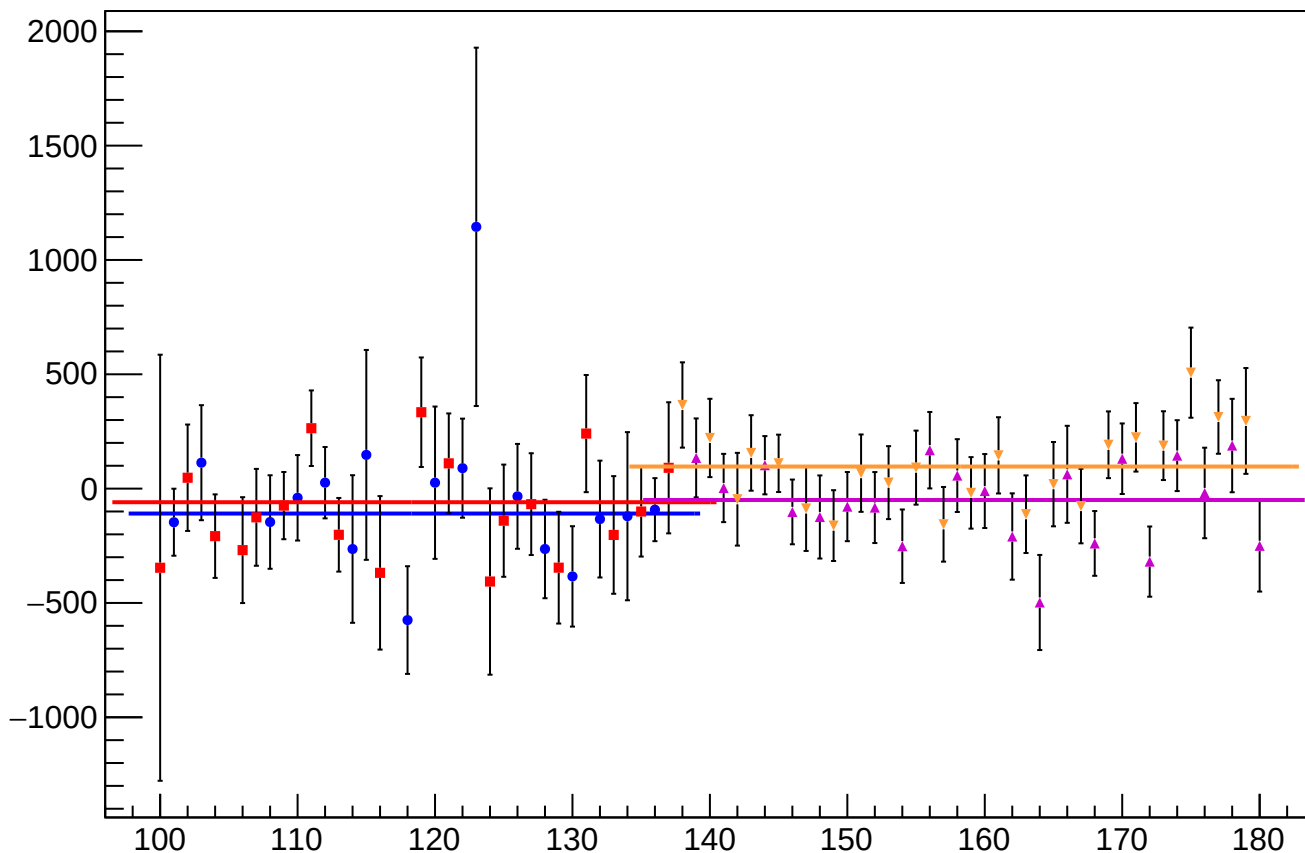
Left In: 531.212 $\pm$ 0.095 χ^2 /NDF:1676081.7/20

+ sign 593.087 $\pm$ 0.092 χ^2 /NDF: 4512036.5/38

All: 587.142 $\pm$ 0.064 χ^2 /NDF: 9269093.9/78

- sign 581.470 $\pm$ 0.090 χ^2 /NDF: 4748874.1/39

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 $\pm$ 52.923 χ^2/NDF : 12.0/16

Left Out: 96.563 $\pm$ 35.235 χ^2/NDF : 21.5/21

Right Out: -59.475 $\pm$ 50.822 χ^2/NDF : 14.9/18

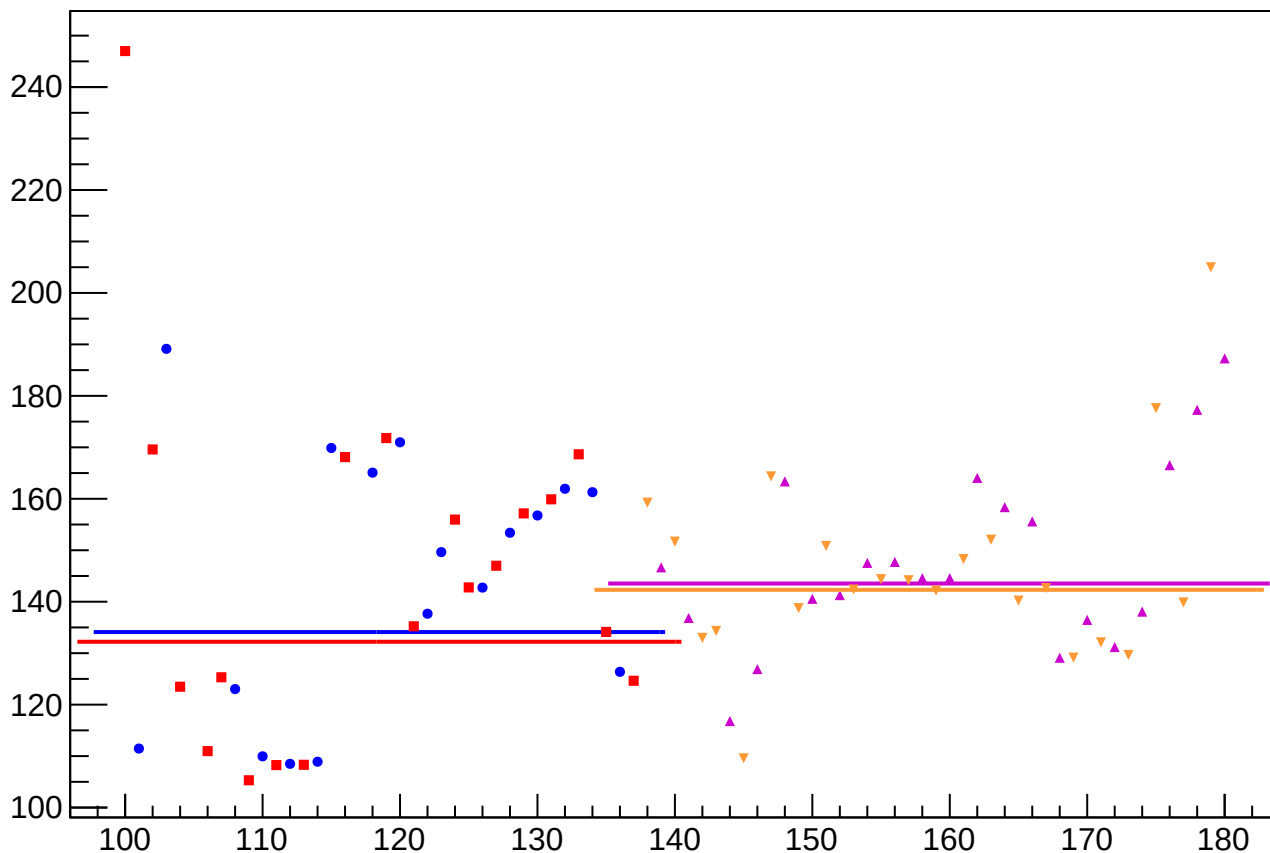
Left In: -49.766 $\pm$ 35.771 χ^2/NDF : 22.7/20

+ sign 33.437 $\pm$ 29.329 χ^2/NDF : 43.9/38

All: -9.887 $\pm$ 20.711 χ^2/NDF : 85.9/78

- sign -52.983 $\pm$ 29.252 χ^2/NDF : 37.6/39

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 142.305 $\pm$ 0.025 χ^2 /NDF: 462949.2/21

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

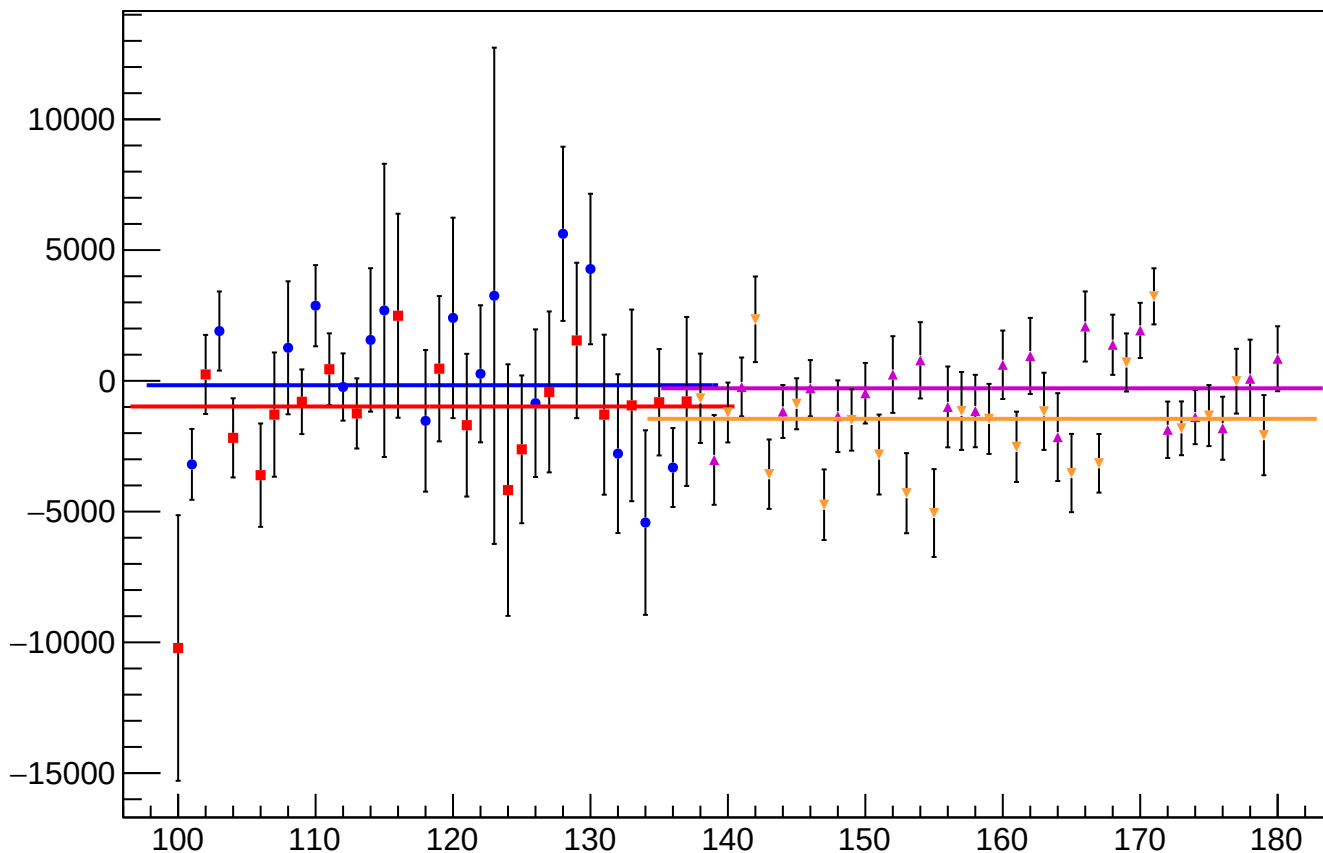
Left In: 143.537 $\pm$ 0.025 χ^2 /NDF: 405804.6/20

+ sign 139.786 $\pm$ 0.021 χ^2 /NDF: 898815.5/38

All: 139.787 $\pm$ 0.015 χ^2 /NDF: 1812688.0/78

- sign 139.787 $\pm$ 0.021 χ^2 /NDF: 913872.4/39

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -1453.035 ± 274.370 χ^2/NDF : 52.7/21

Right Out: -980.517 ± 480.968 χ^2/NDF : 10.2/18

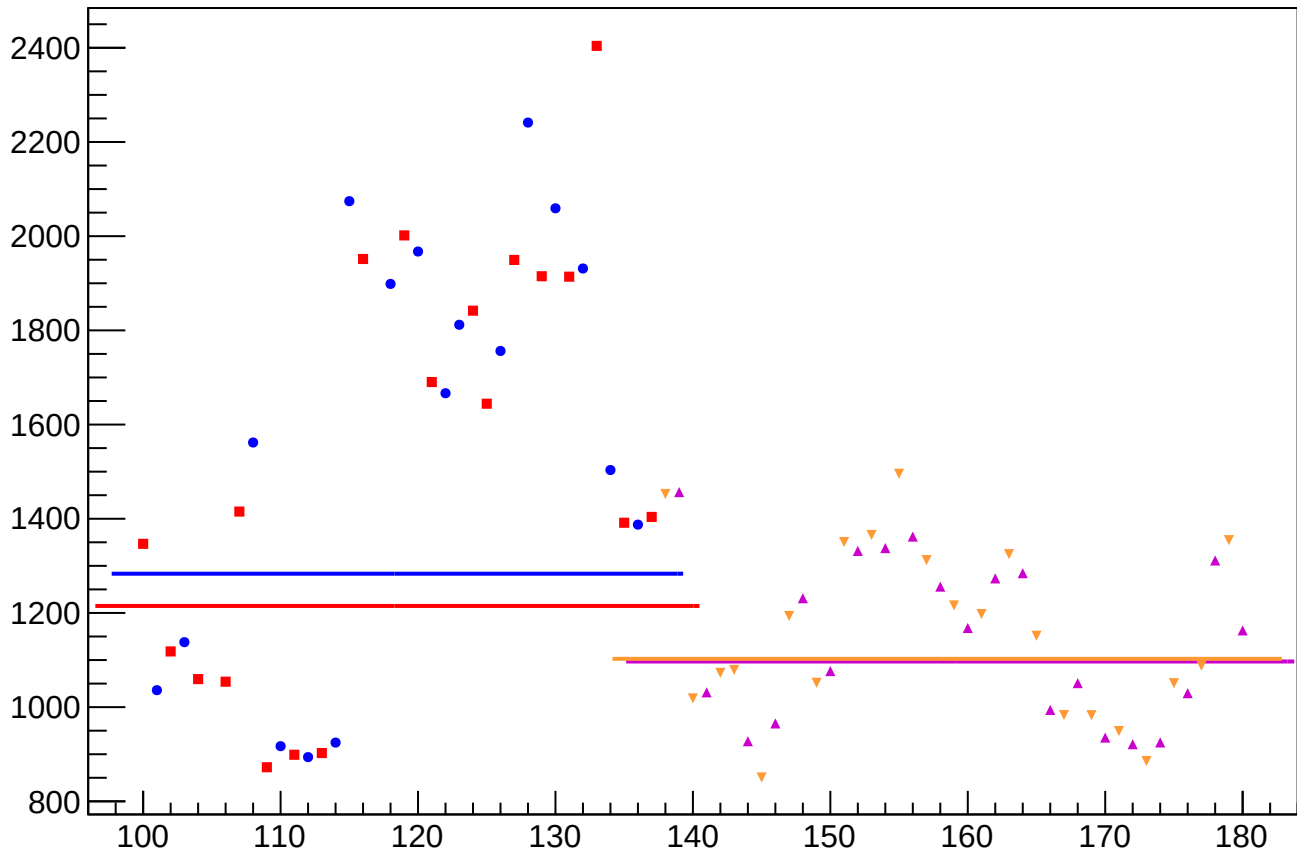
Left In: -285.655 ± 274.020 χ^2/NDF : 23.0/20

+ sign -1176.311 ± 243.033 χ^2/NDF : 82.8/38

All: -808.720 ± 170.076 χ^2/NDF : 122.1/78

- sign -455.929 ± 238.091 χ^2/NDF : 34.8/39

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1102.596 $\pm$ 0.194 χ^2 /NDF: 809351.7/21

Right Out: 1214.883 $\pm$ 0.340 χ^2 /NDF: 1360860.3/18

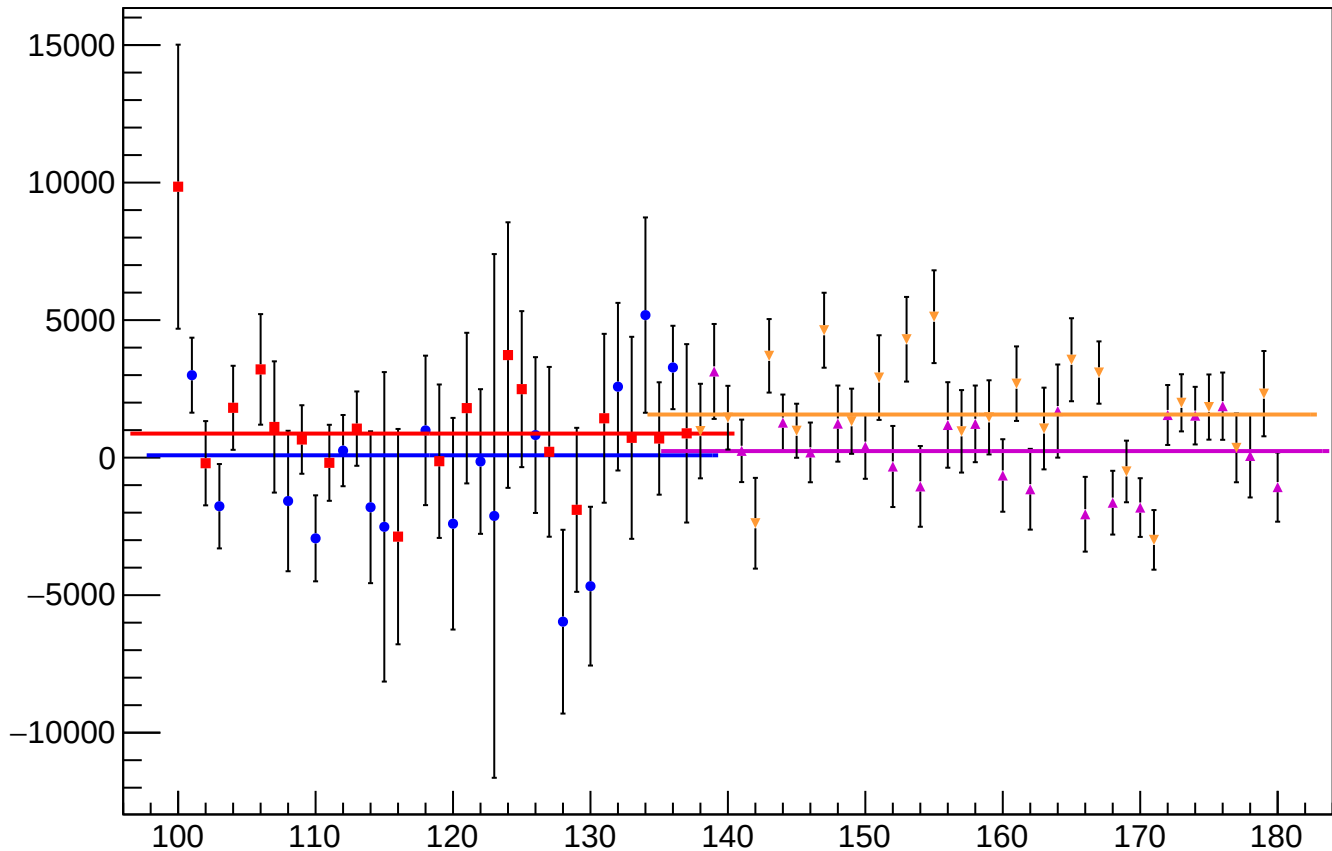
Left In: 1096.913 $\pm$ 0.194 χ^2 /NDF: 674420.6/20

+ sign 1141.521 $\pm$ 0.172 χ^2 /NDF: 2165674.2/38

All: 1133.510 $\pm$ 0.120 χ^2 /NDF: 4296050.5/78

- sign 1125.821 $\pm$ 0.168 χ^2 /NDF: 2126117.6/39

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 1567.824 ± 276.841 χ^2/NDF : 49.3/21

Right Out: 874.592 ± 484.647 χ^2/NDF : 8.7/18

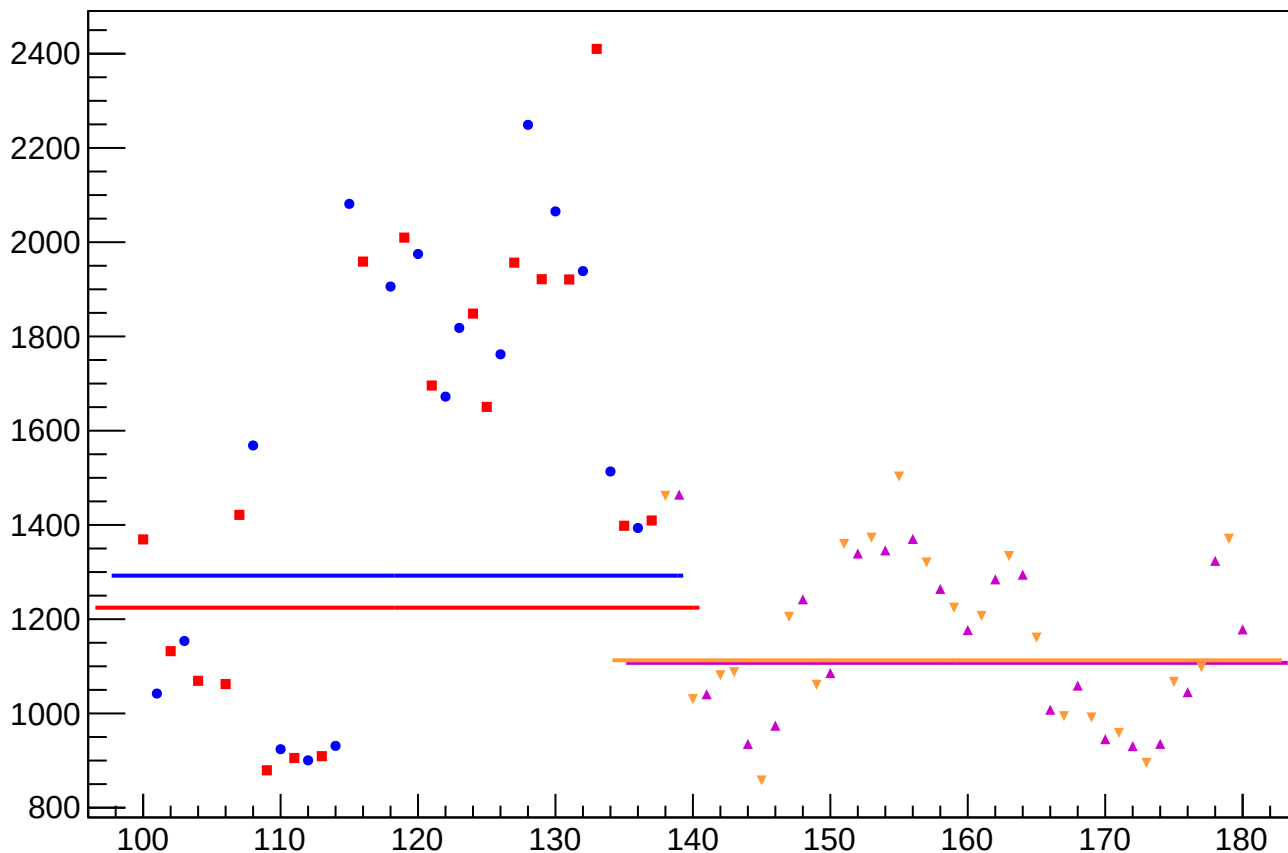
Left In: 238.252 ± 276.569 χ^2/NDF : 23.3/20

+ sign 1247.223 ± 245.091 χ^2/NDF : 80.2/38

All: 812.320 ± 171.553 χ^2/NDF : 119.6/78

- sign 394.572 ± 240.208 χ^2/NDF : 33.3/39

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1112.791+/-0.196 χ^2/NDF : 797509.9/21

Right Out: 1224.429+/-0.343 χ^2/NDF : 1345748.2/18

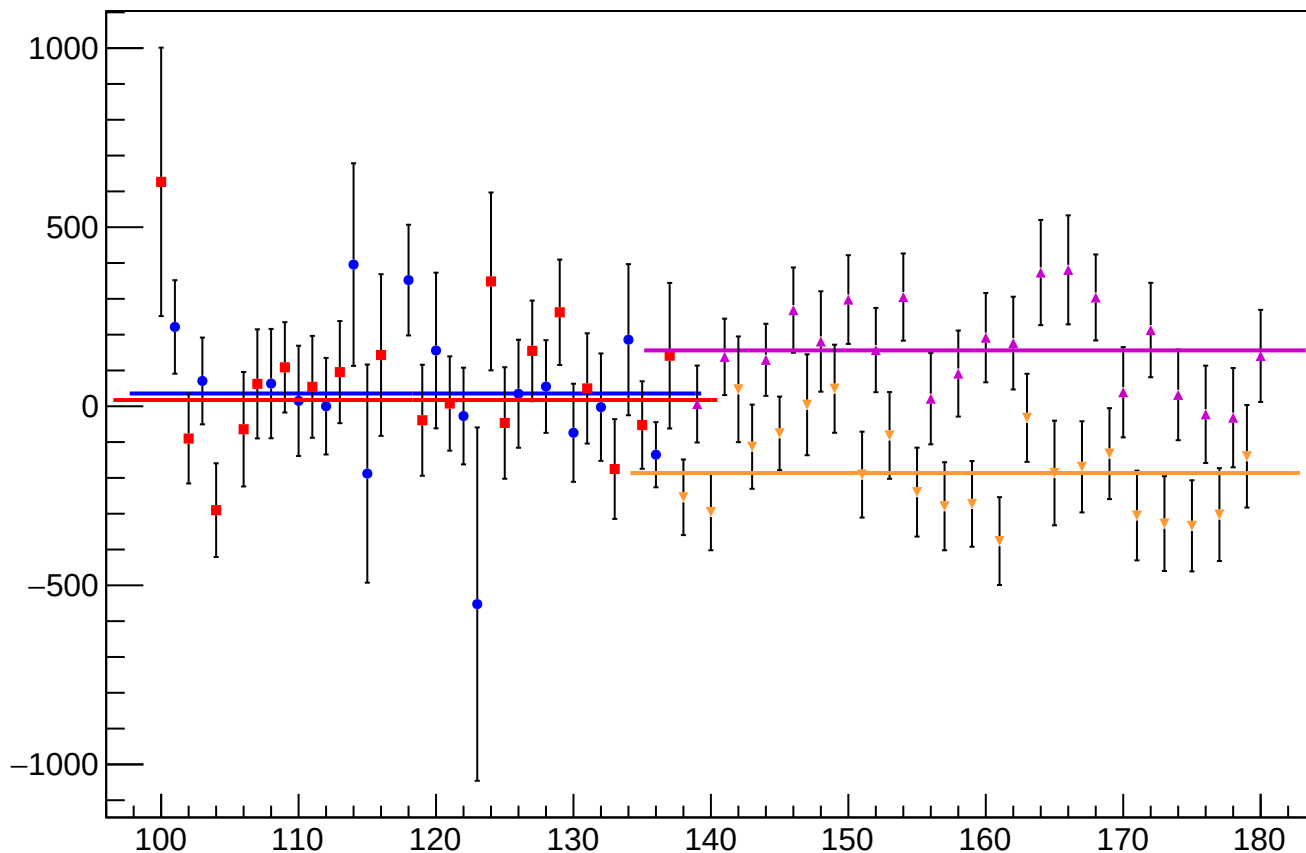
Left In: 1107.339+/-0.196 χ^2/NDF : 662867.3/20

+ sign 1151.632+/-0.173 χ^2/NDF : 2136158.9/38

All: 1143.711+/-0.121 χ^2/NDF : 4236932.1/78

- sign 1136.103+/-0.170 χ^2/NDF : 2096677.9/39

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -186.429+/-26.351 χ^2/NDF : 21.5/21

Right Out: 17.418+/-34.691 χ^2/NDF : 18.9/18

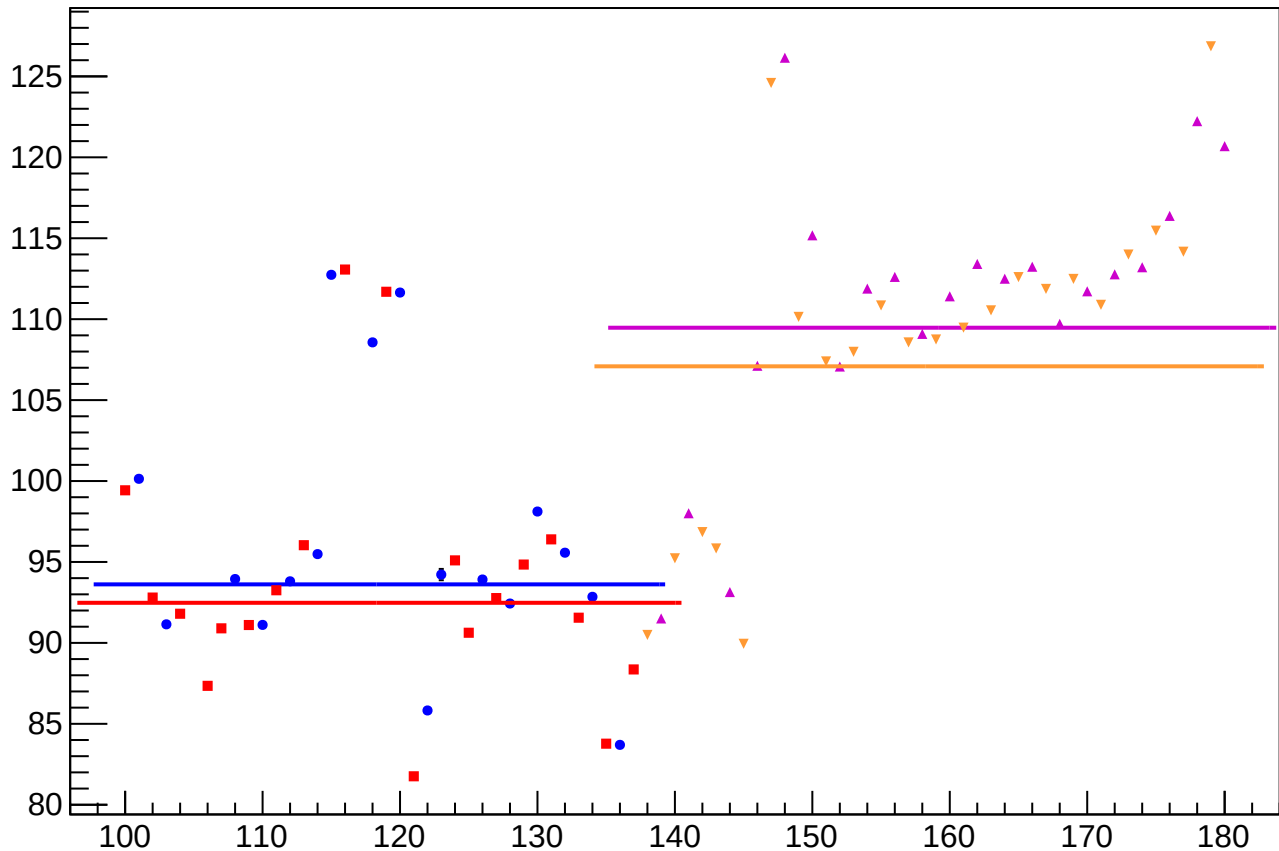
Left In: 156.002+/-27.086 χ^2/NDF : 18.8/20

+ sign -109.919+/-21.335 χ^2/NDF : 61.3/38

All: -3.274+/-15.091 χ^2/NDF : 158.9/78

- sign 103.516+/-21.349 χ^2/NDF : 47.6/39

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 107.087+/-0.019 χ^2/NDF : 264313.1/21

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

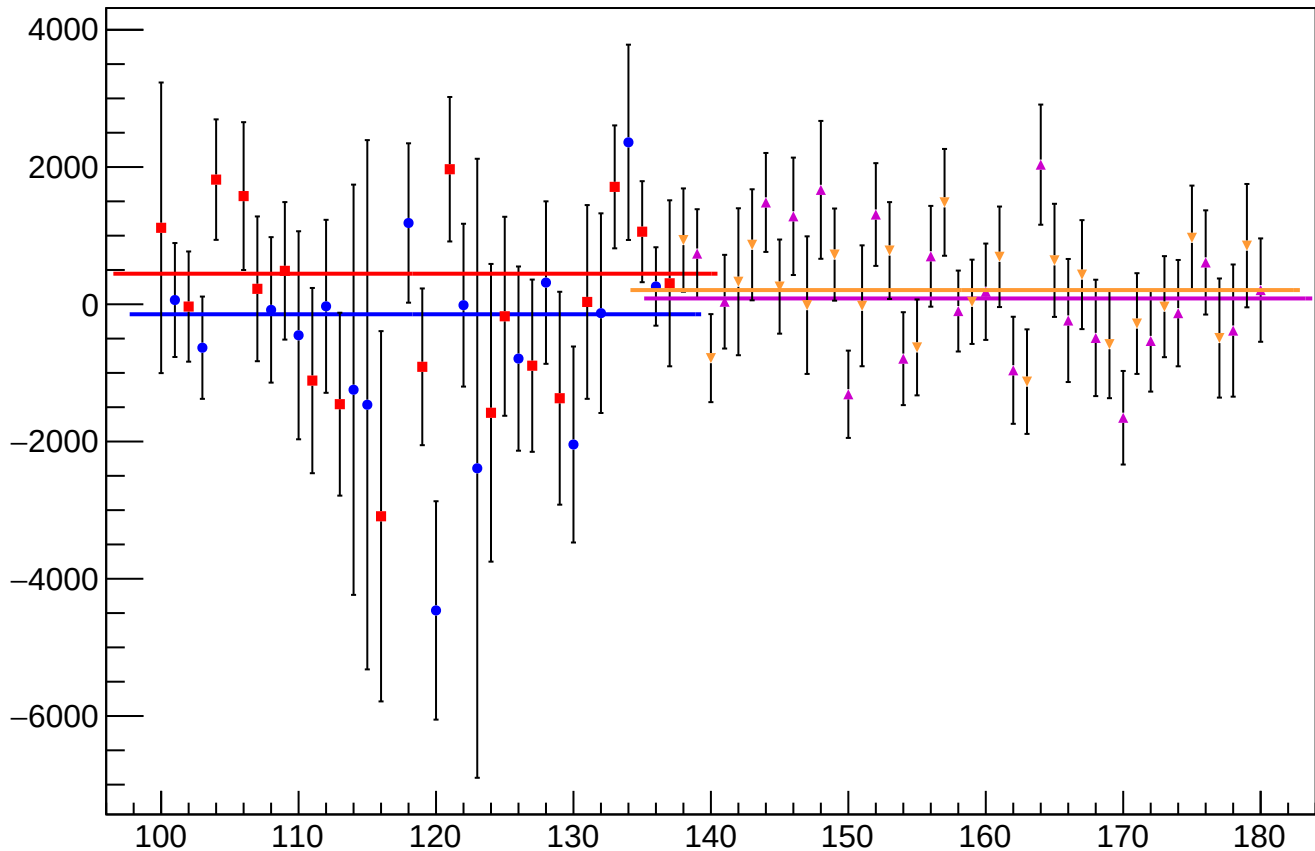
Left In: 109.472+/-0.019 χ^2/NDF : 213263.3/20

+ sign 102.447+/-0.015 χ^2/NDF : 524293.1/38

All: 102.741+/-0.011 χ^2/NDF : 1115113.5/78

- sign 103.036+/-0.015 χ^2/NDF : 590058.5/39

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 207.001 ± 162.573 χ^2/NDF : 17.2/21

Right Out: 445.575 ± 260.276 χ^2/NDF : 19.0/18

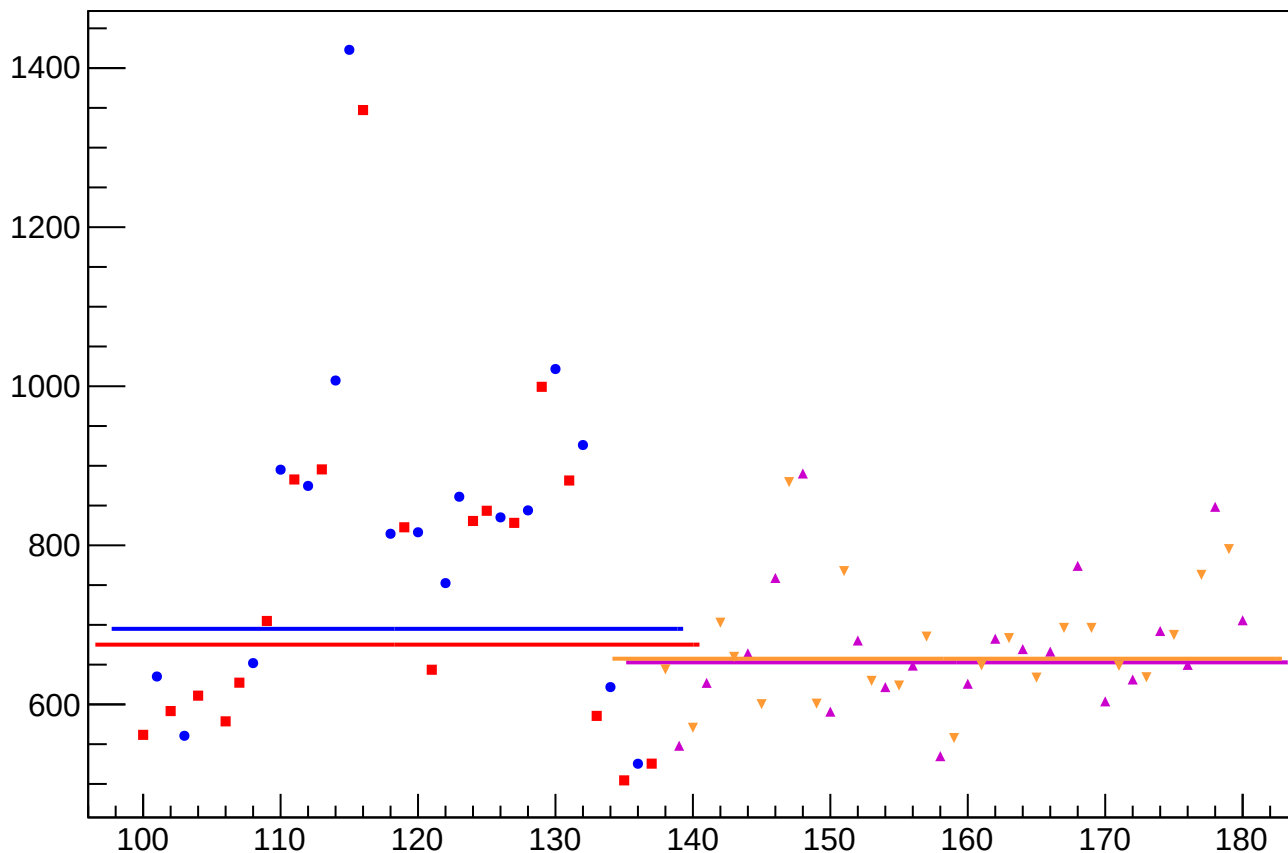
Left In: 84.889 ± 162.611 χ^2/NDF : 34.6/20

+ sign 116.517 ± 140.161 χ^2/NDF : 33.9/38

All: 151.898 ± 98.303 χ^2/NDF : 88.9/78

- sign 186.151 ± 137.909 χ^2/NDF : 54.9/39

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 ± 0.196 $\chi^2/\text{NDF}: 677713.0/16$

Left Out: 657.466 ± 0.115 $\chi^2/\text{NDF}: 357121.1/21$

Right Out: 675.151 ± 0.184 $\chi^2/\text{NDF}: 676394.1/18$

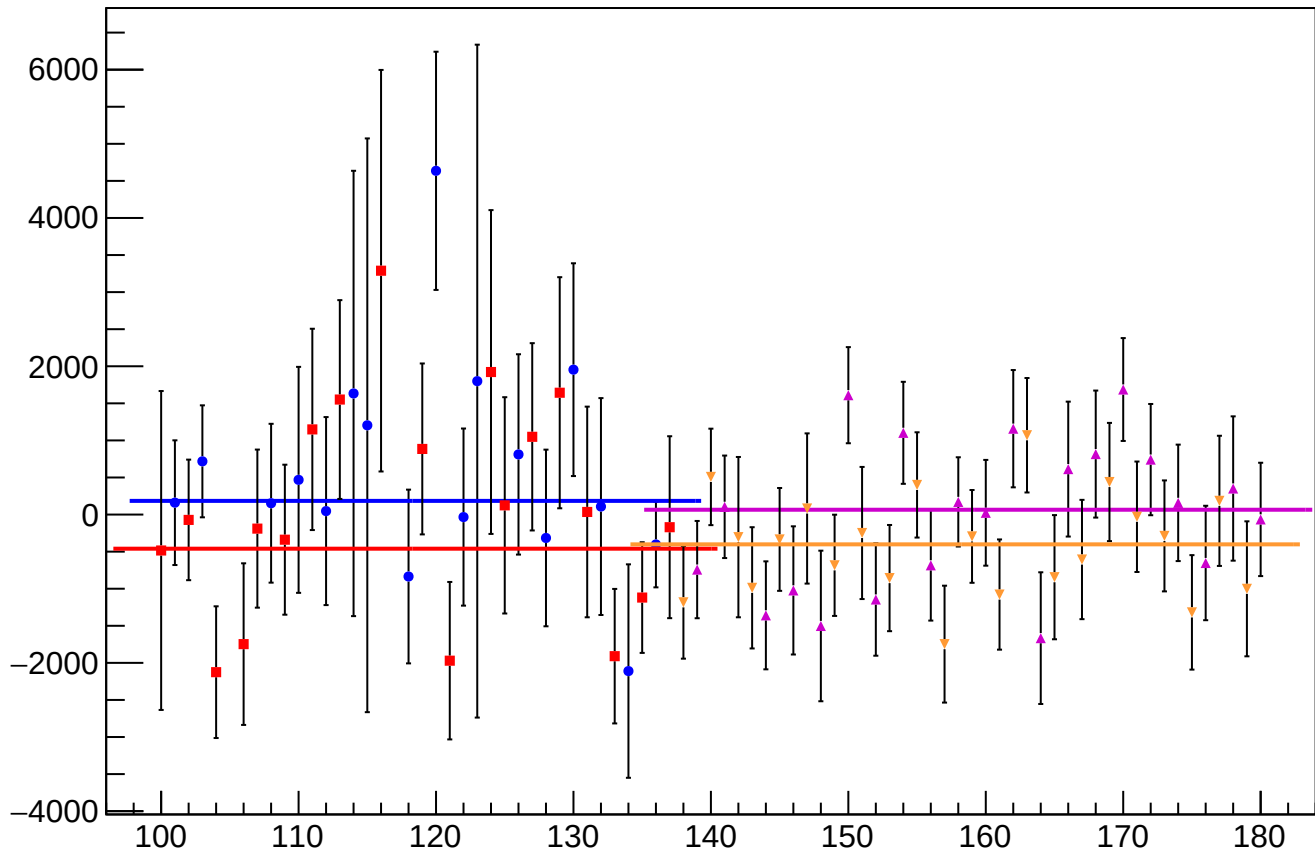
Left In: 652.848 ± 0.115 $\chi^2/\text{NDF}: 461868.2/20$

+ sign 667.105 ± 0.099 $\chi^2/\text{NDF}: 1062222.3/38$

All: 663.043 ± 0.070 $\chi^2/\text{NDF}: 2214353.7/78$

- sign 659.110 ± 0.098 $\chi^2/\text{NDF}: 1148824.6/39$

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -401.619 ± 164.822 χ^2/NDF : 17.1/21

Right Out: -460.174 ± 262.960 χ^2/NDF : 22.3/18

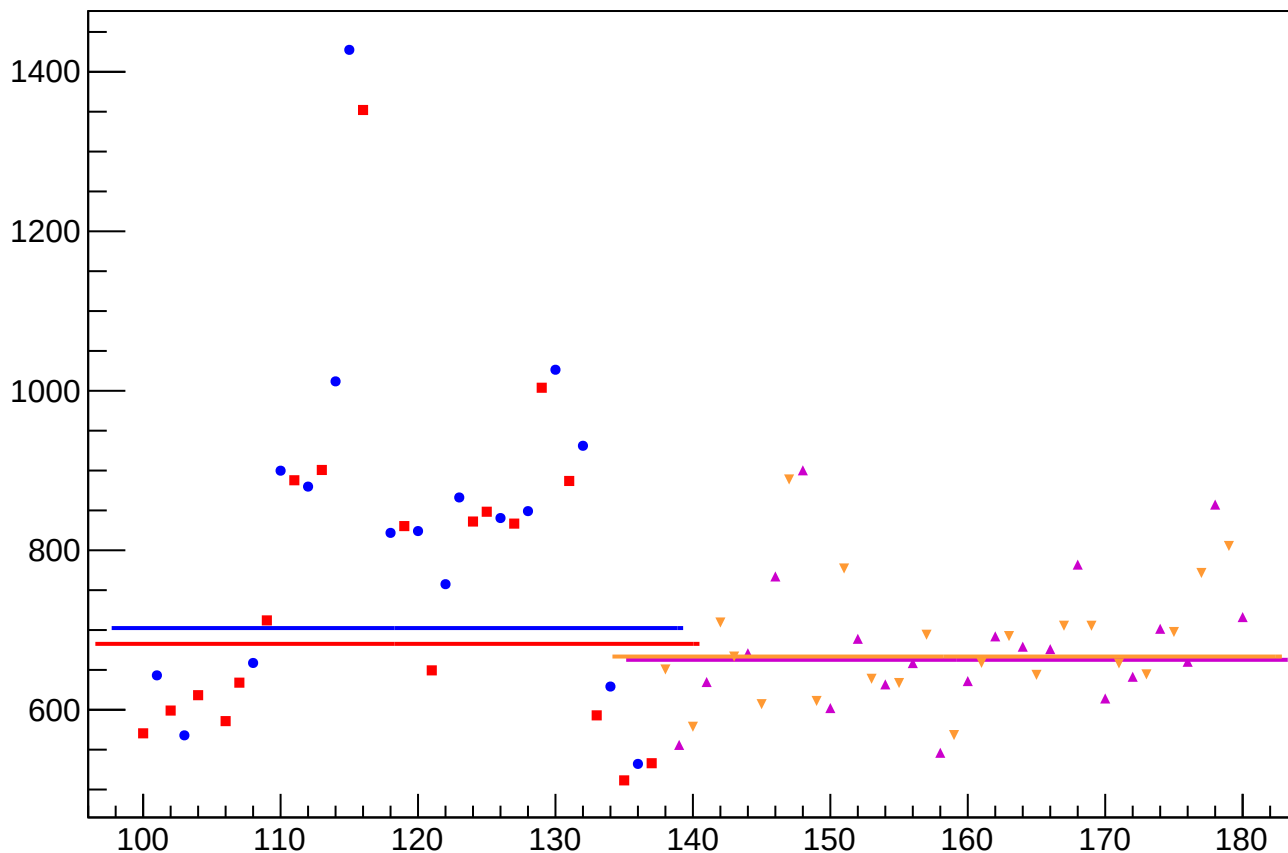
Left In: 65.101 ± 164.994 χ^2/NDF : 35.0/20

+ sign -250.295 ± 141.960 χ^2/NDF : 35.3/38

All: -165.483 ± 99.594 χ^2/NDF : 96.1/78

- sign -83.279 ± 139.760 χ^2/NDF : 60.1/39

asym_sam_15_dd_rms vs Slug



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 666.761 $\pm$ 0.117 χ^2 /NDF: 348426.0/21

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

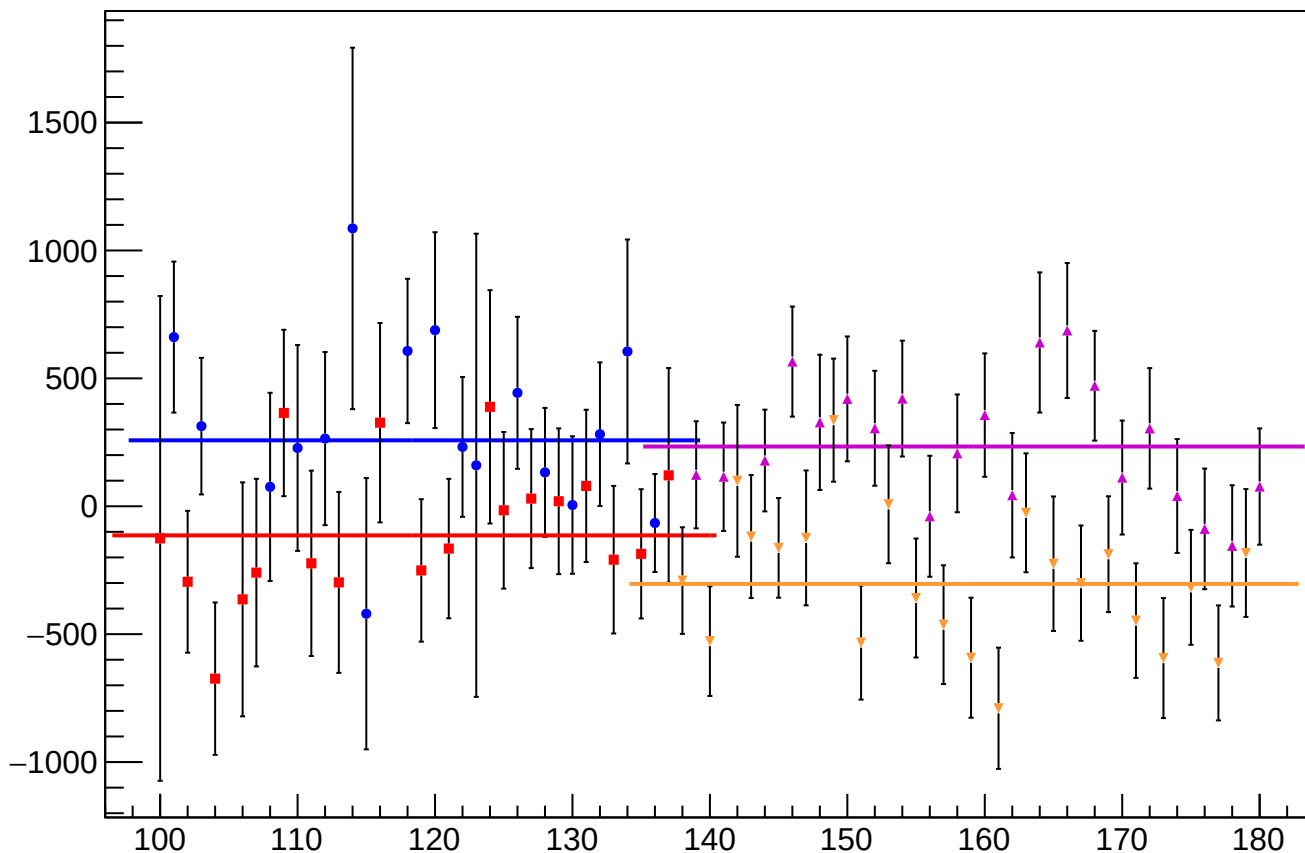
Left In: 662.658 $\pm$ 0.117 χ^2 /NDF: 445846.0/20

+ sign 675.980 $\pm$ 0.100 χ^2 /NDF: 1033186.4/38

All: 672.084 $\pm$ 0.070 χ^2 /NDF: 2149823.4/78

- sign 668.309 $\pm$ 0.099 χ^2 /NDF: 1113671.6/39

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 χ^2/NDF : 13.0/16

Left Out: -303.627 ± 49.428 χ^2/NDF : 26.6/21

Right Out: -113.851 ± 74.211 χ^2/NDF : 11.2/18

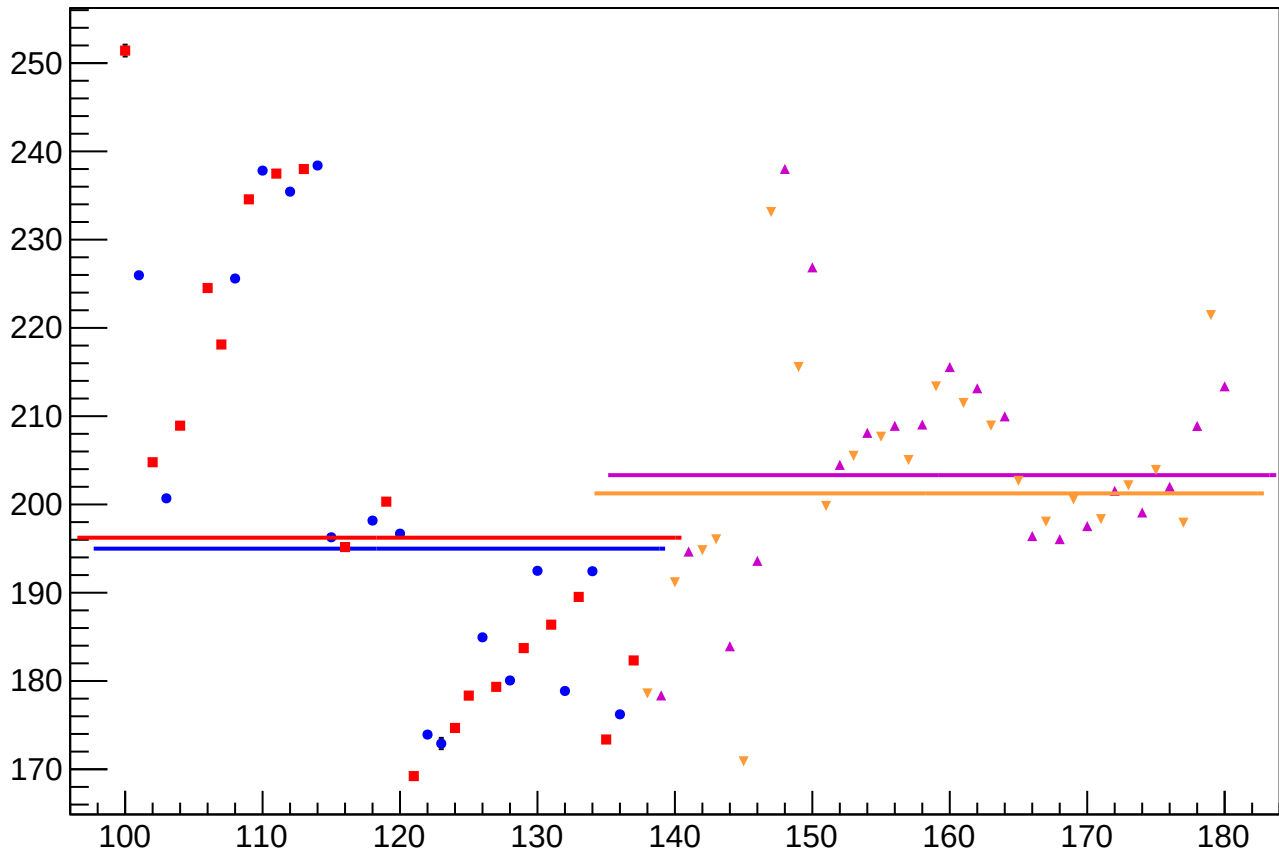
Left In: 233.518 ± 50.246 χ^2/NDF : 19.3/20

+ sign -136.555 ± 41.424 χ^2/NDF : 78.0/38

All: -6.683 ± 29.356 χ^2/NDF : 143.3/78

- sign 124.331 ± 41.606 χ^2/NDF : 45.6/39

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 201.253 $\pm$ 0.035 χ^2 /NDF:143522.0/21

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

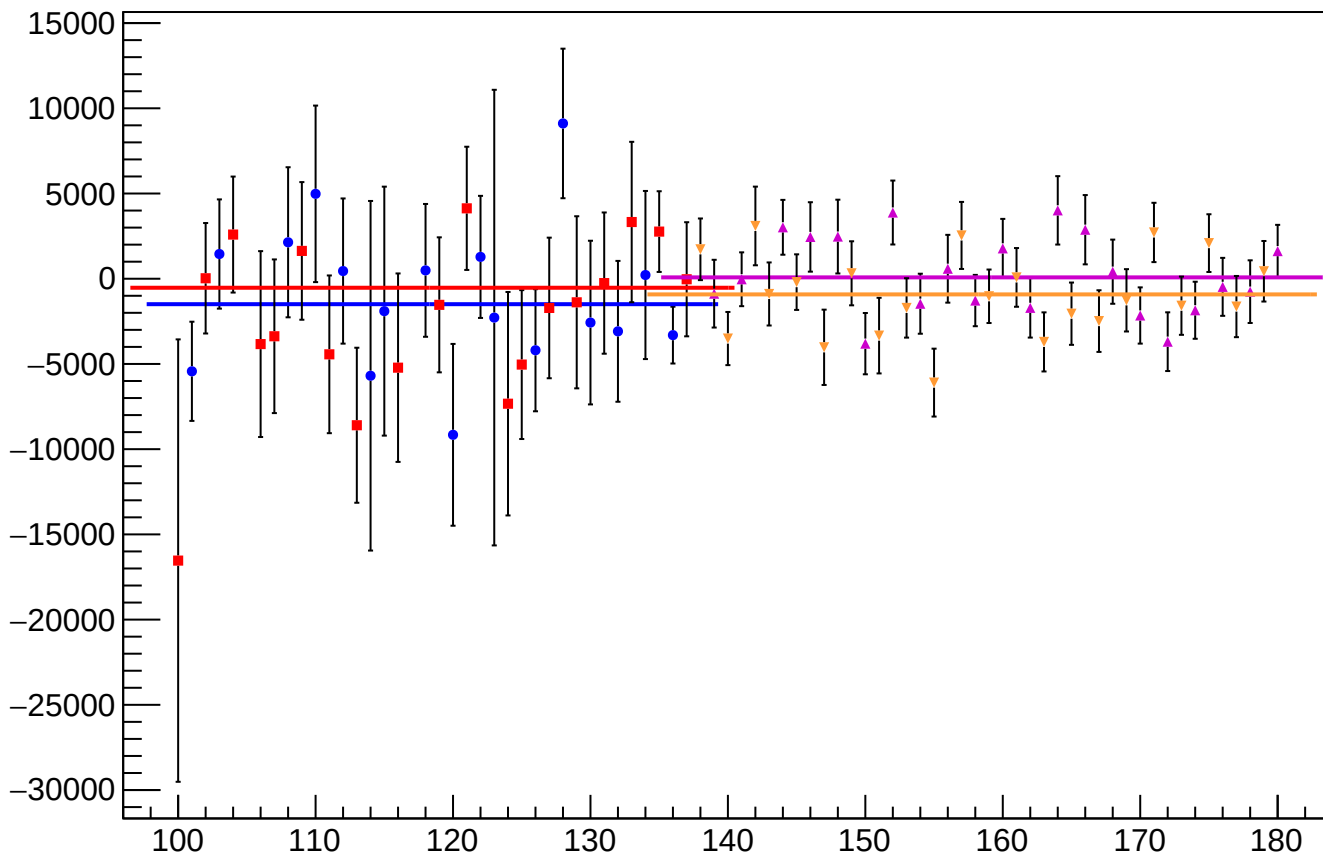
Left In: 203.321 $\pm$ 0.036 χ^2 /NDF:131695.1/20

+ sign 199.390 $\pm$ 0.029 χ^2 /NDF: 297336.7/38

All: 200.238 $\pm$ 0.021 χ^2 /NDF: 616708.0/78

- sign 201.093 $\pm$ 0.029 χ^2 /NDF: 317688.3/39

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -918.981 ± 385.393 χ^2/NDF : 34.3/21

Right Out: -528.758 ± 934.718 χ^2/NDF : 14.6/18

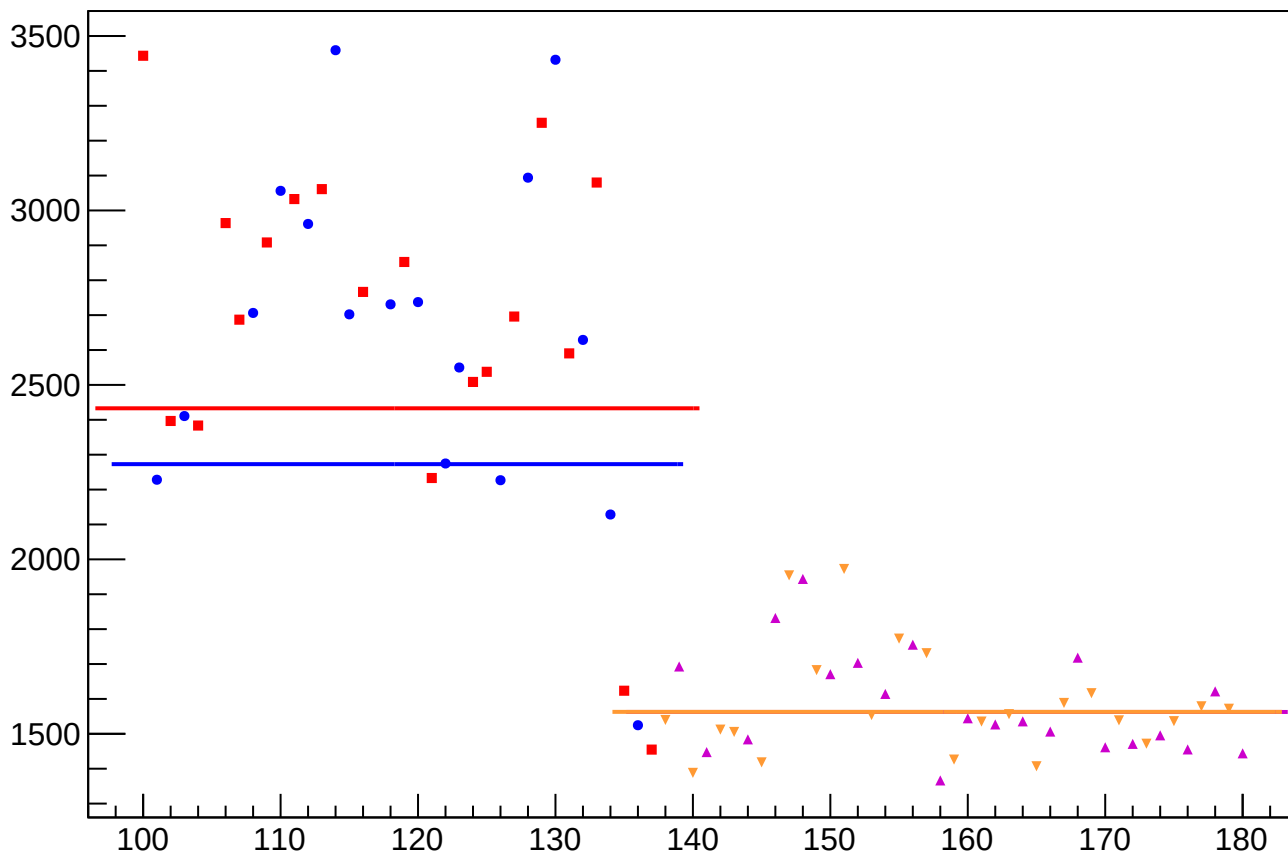
Left In: 79.332 ± 387.352 χ^2/NDF : 33.7/20

+ sign -1006.186 ± 354.929 χ^2/NDF : 50.8/38

All: -512.061 ± 251.996 χ^2/NDF : 103.3/78

- sign -9.791 ± 357.842 χ^2/NDF : 48.7/39

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883 ± 0.644 $\chi^2/\text{NDF}: 805650.3/16$

Left Out: 1562.907 ± 0.273 $\chi^2/\text{NDF}: 259186.4/21$

Right Out: 2432.950 ± 0.661 $\chi^2/\text{NDF}: 680783.9/18$

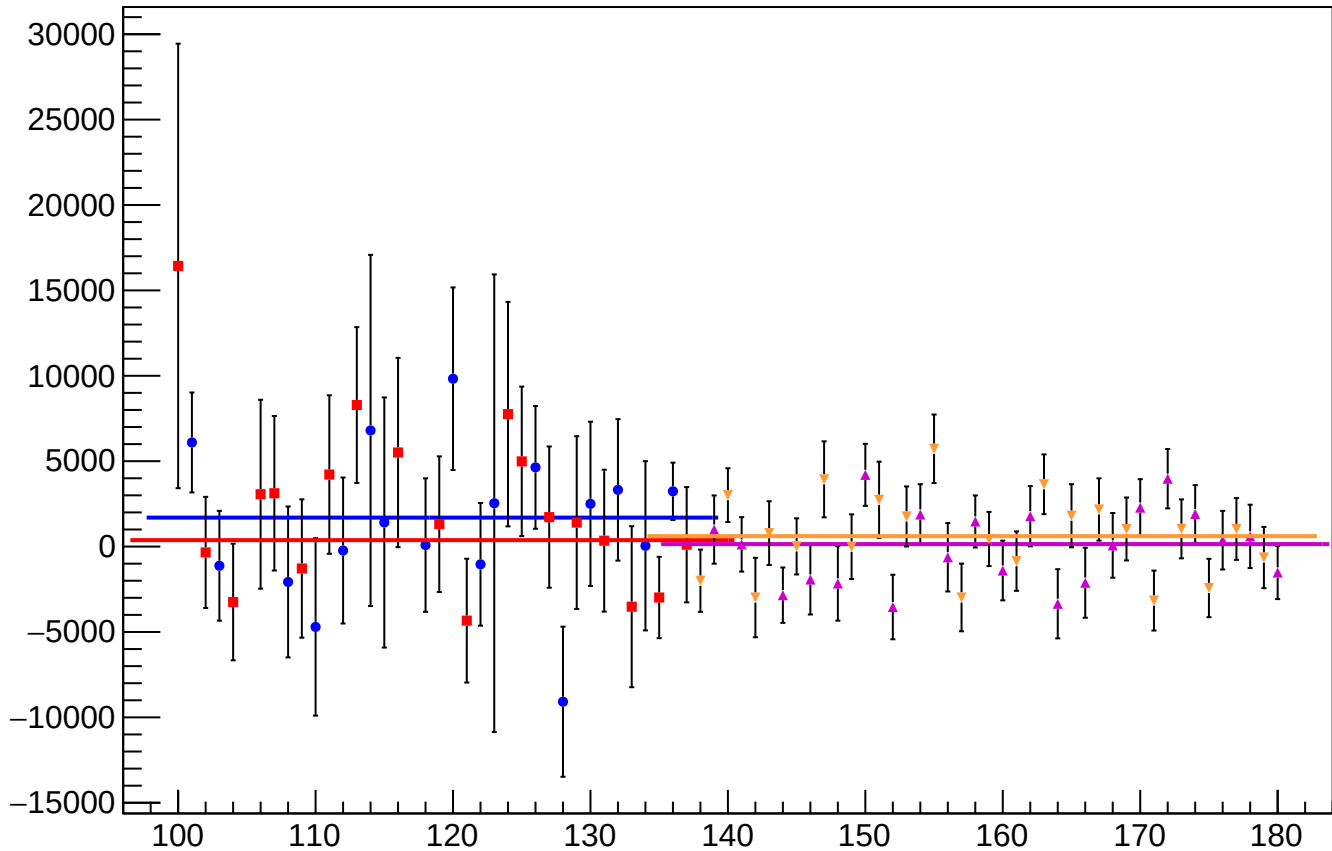
Left In: 1562.586 ± 0.274 $\chi^2/\text{NDF}: 248988.4/20$

+ sign 1670.714 ± 0.251 $\chi^2/\text{NDF}: 2095492.9/38$

All: 1680.352 ± 0.178 $\chi^2/\text{NDF}: 4508174.6/78$

- sign 1690.148 ± 0.253 $\chi^2/\text{NDF}: 2409708.3/39$

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 ± 914.855 χ^2/NDF : 16.6/16

Left Out: 612.147 ± 388.693 χ^2/NDF : 33.7/21

Right Out: 377.629 ± 938.528 χ^2/NDF : 15.0/18

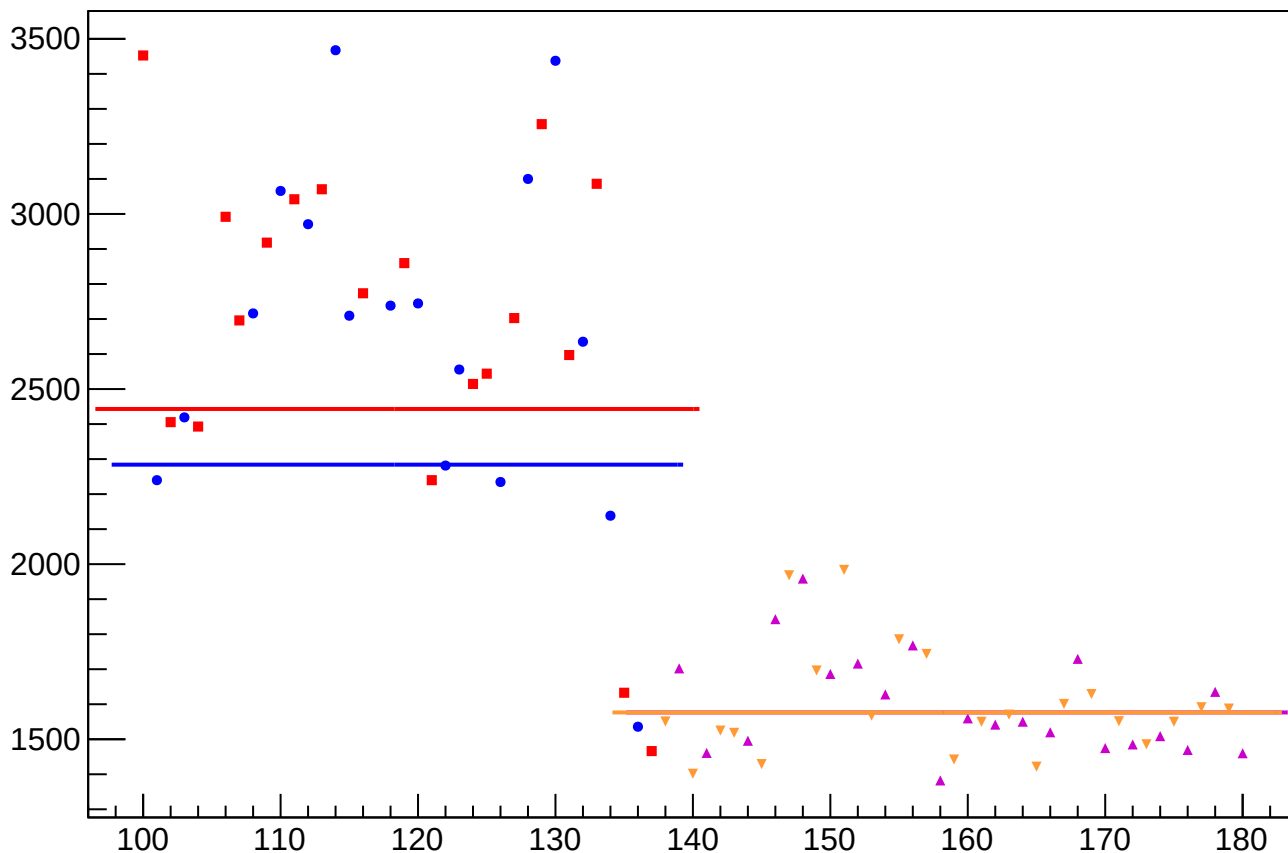
Left In: 145.976 ± 390.759 χ^2/NDF : 31.0/20

+ sign 777.873 ± 357.743 χ^2/NDF : 51.5/38

All: 481.530 ± 254.016 χ^2/NDF : 98.9/78

- sign 180.200 ± 360.741 χ^2/NDF : 46.0/39

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1576.519+/-0.275 χ^2/NDF : 254225.0/21

Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

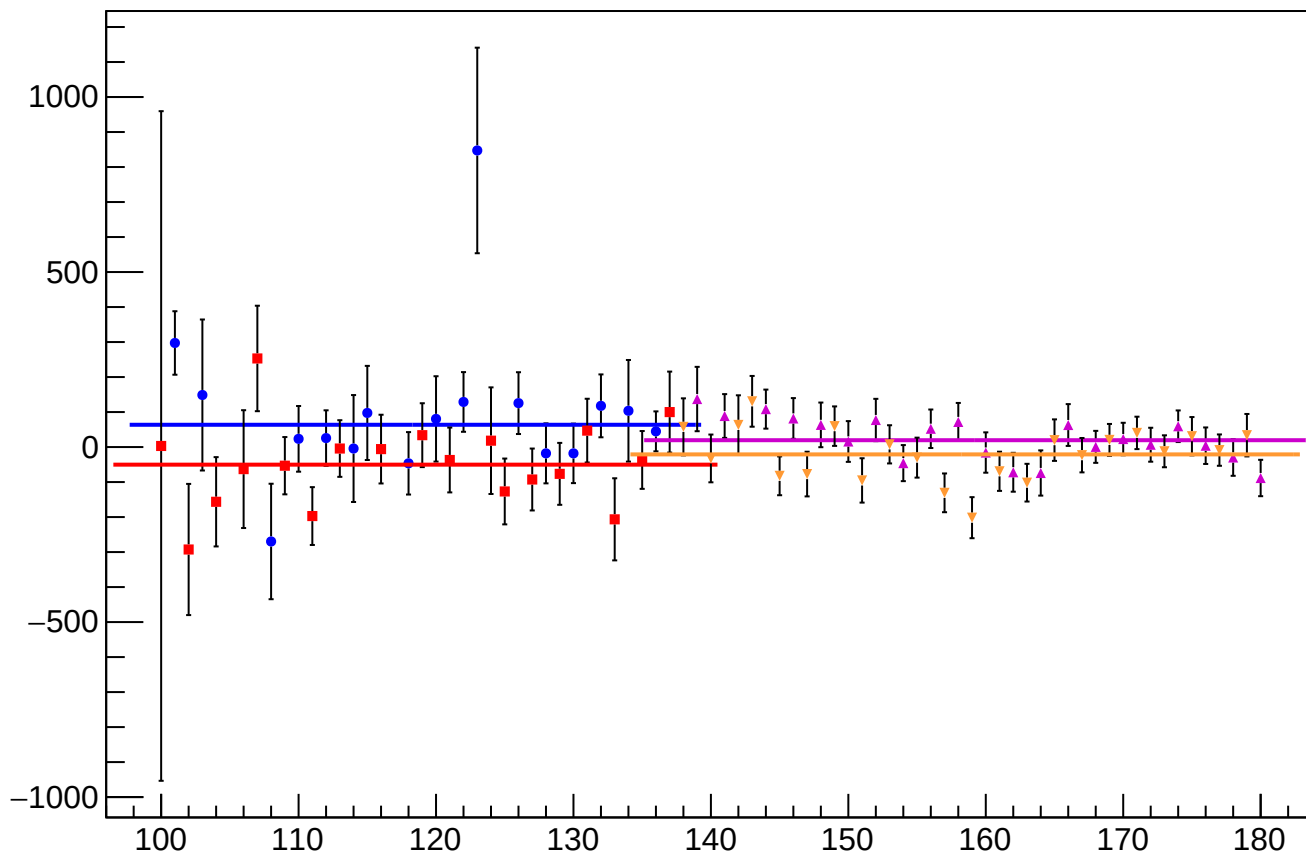
Left In: 1576.574+/-0.276 χ^2/NDF : 242501.2/20

+ sign 1684.716+/-0.253 χ^2/NDF : 2061688.5/38

All: 1694.574+/-0.180 χ^2/NDF : 4433250.2/78

- sign 1704.598+/-0.255 χ^2/NDF : 2368498.9/39

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -20.960 ± 11.965 χ^2/NDF : 33.4/21

Right Out: -50.278 ± 23.661 χ^2/NDF : 16.8/18

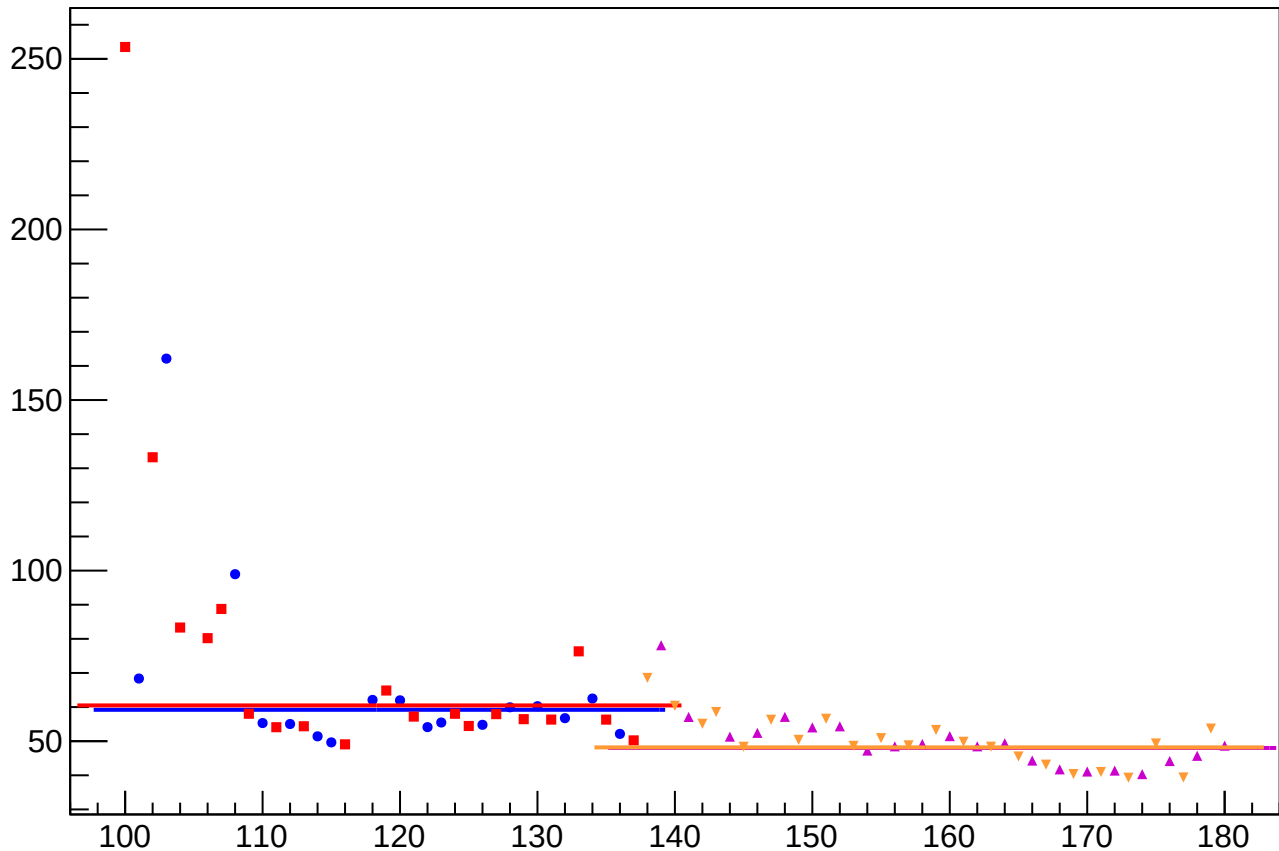
Left In: 19.576 ± 11.987 χ^2/NDF : 22.9/20

+ sign -3.821 ± 10.685 χ^2/NDF : 67.2/38

All: 0.741 ± 7.558 χ^2/NDF : 114.1/78

- sign 5.310 ± 10.693 χ^2/NDF : 46.6/39

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 48.177 $\pm$ 0.008 χ^2 /NDF: 639042.3/21

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

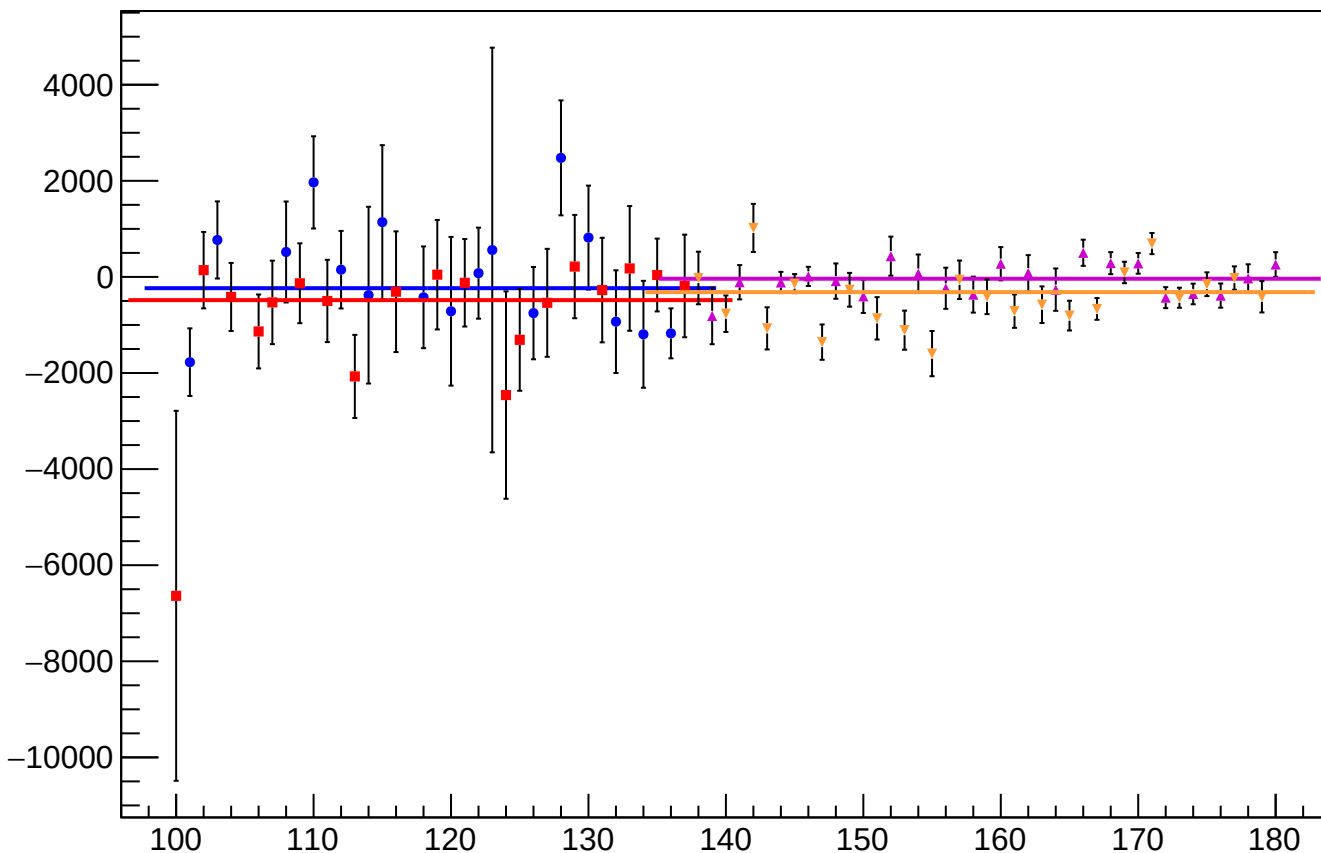
Left In: 48.014 $\pm$ 0.008 χ^2 /NDF: 569152.7/20

+ sign 50.410 $\pm$ 0.008 χ^2 /NDF: 1648331.0/38

All: 50.485 $\pm$ 0.005 χ^2 /NDF: 3339765.2/78

- sign 50.560 $\pm$ 0.008 χ^2 /NDF: 1691235.1/39

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -316.307 ± 64.374 χ^2/NDF : 67.1/21

Right Out: -483.305 ± 222.314 χ^2/NDF : 10.6/18

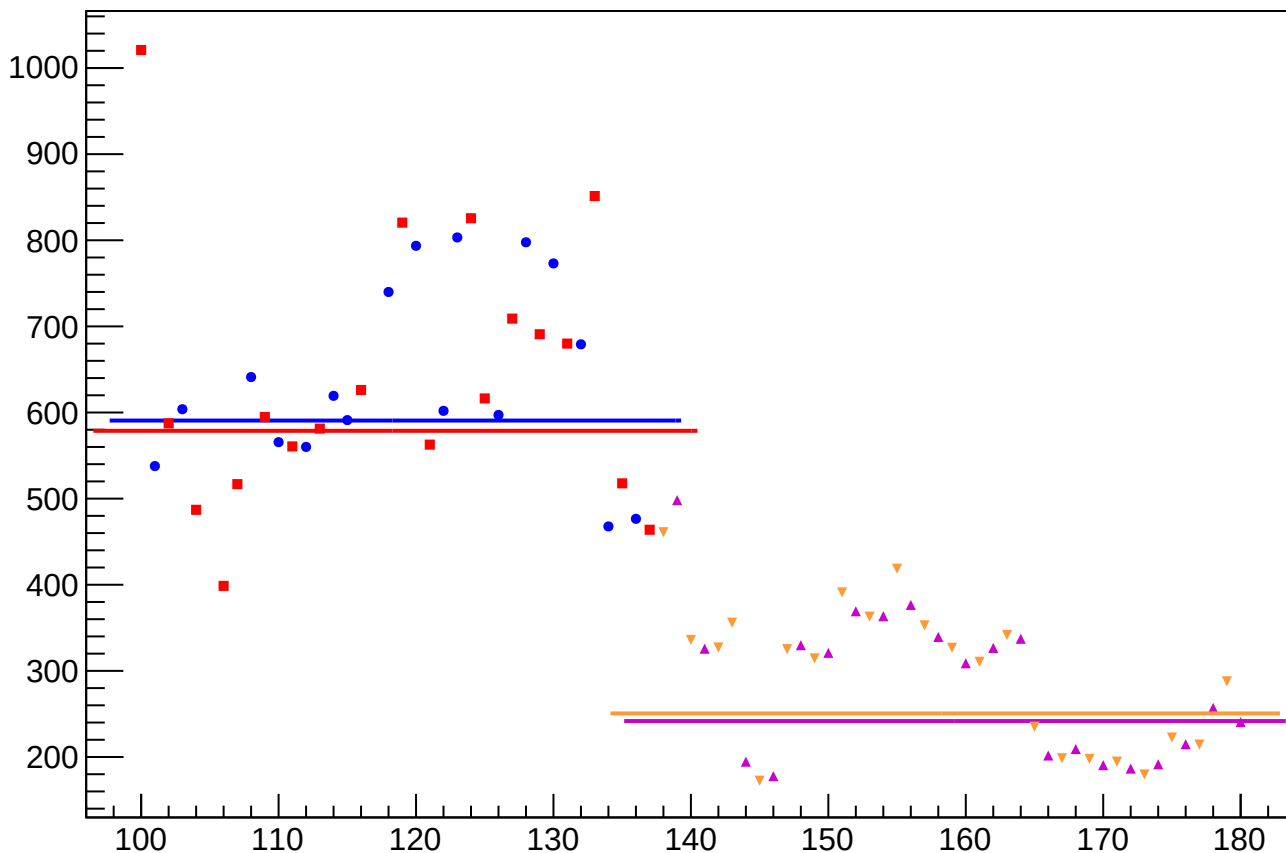
Left In: -37.684 ± 62.369 χ^2/NDF : 23.5/20

+ sign -310.546 ± 62.066 χ^2/NDF : 91.4/38

All: -186.407 ± 43.157 χ^2/NDF : 137.0/78

- sign -70.198 ± 60.051 χ^2/NDF : 37.8/39

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 250.587 $\pm$ 0.046 χ^2 /NDF: 2700268.9/21

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

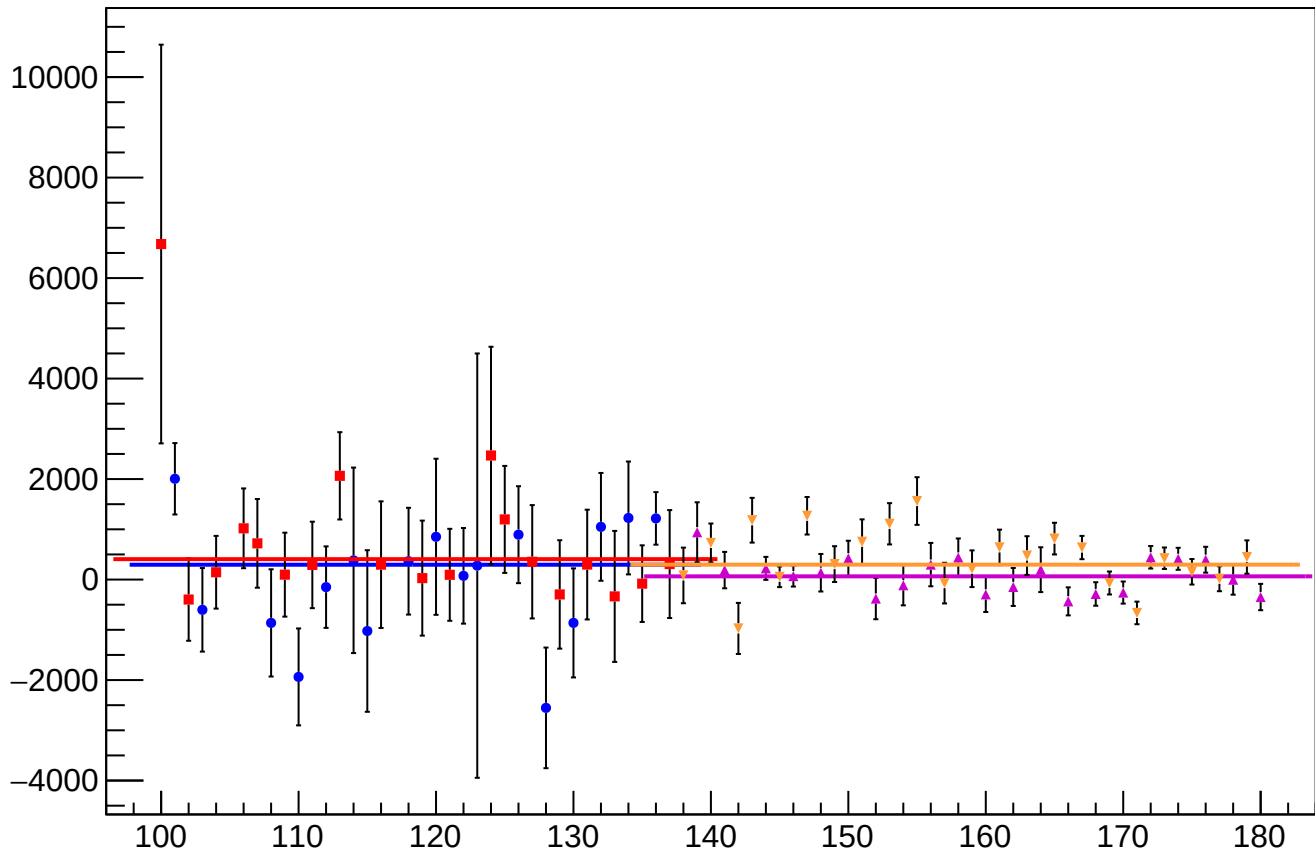
Left In: 241.738 $\pm$ 0.044 χ^2 /NDF: 2460924.5/20

+ sign 274.536 $\pm$ 0.044 χ^2 /NDF: 6983070.1/38

All: 270.297 $\pm$ 0.031 χ^2 /NDF: 14216825.2/78

- sign 266.328 $\pm$ 0.042 χ^2 /NDF: 7215690.0/39

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 296.619 $\pm$ 65.685 χ^2 /NDF: 61.7/21

Right Out: 406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

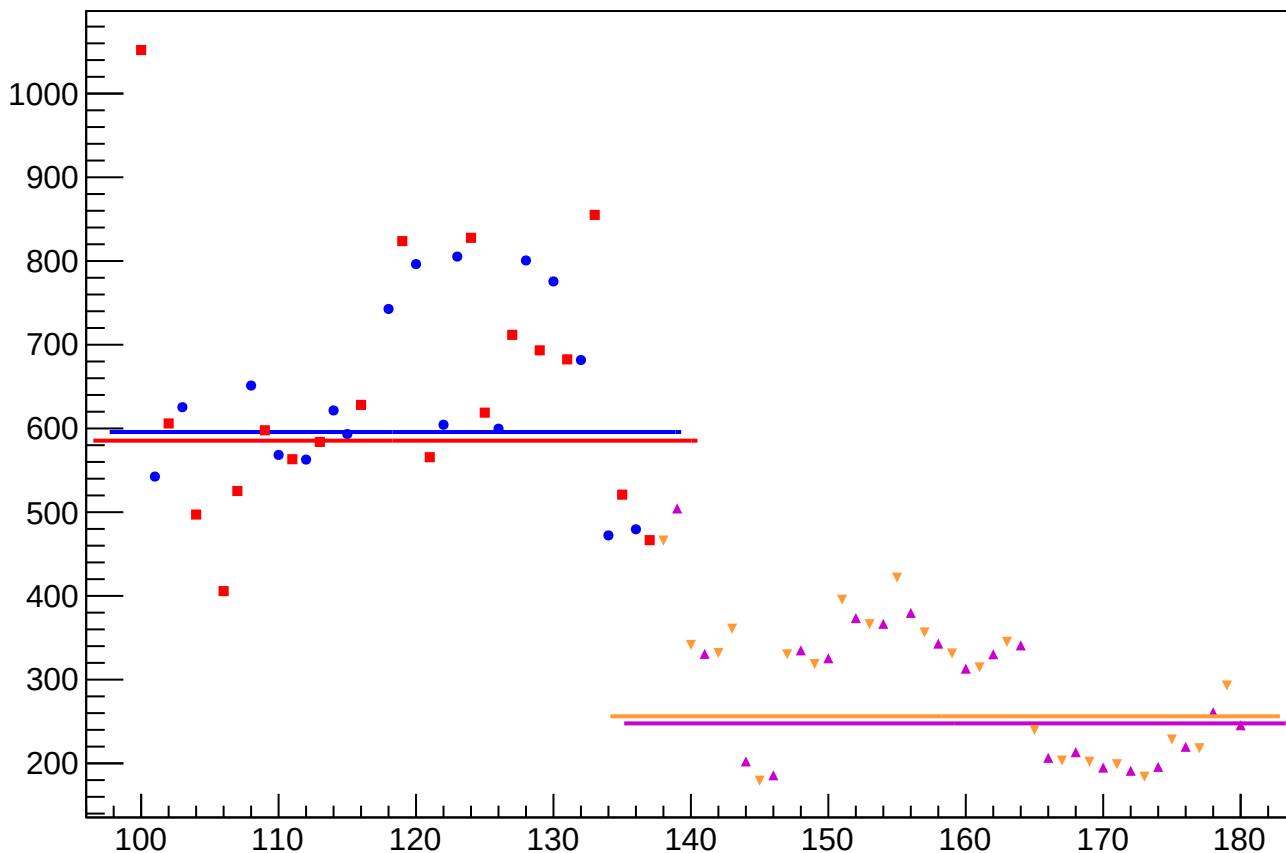
Left In: 64.115 $\pm$ 63.770 χ^2 /NDF: 25.1/20

+ sign 296.532 $\pm$ 63.277 χ^2 /NDF: 87.8/38

All: 189.856 $\pm$ 44.046 χ^2 /NDF: 131.5/78

- sign 89.578 $\pm$ 61.350 χ^2 /NDF: 38.2/39

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2/NDF : 350058.2/16

Left Out: 256.198 $\pm$ 0.046 χ^2/NDF : 2587019.1/21

Right Out: 585.421 $\pm$ 0.159 χ^2/NDF : 474472.3/18

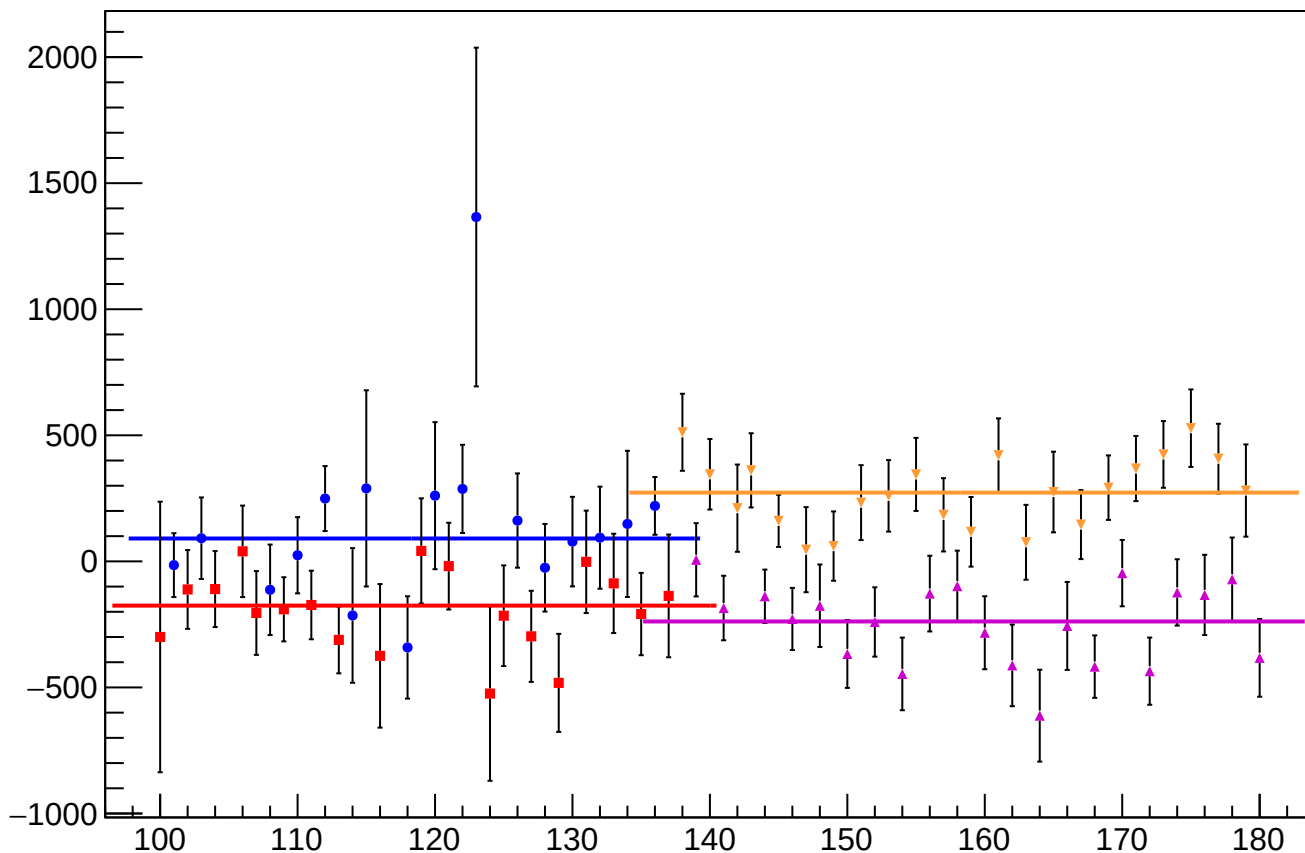
Left In: 247.735 $\pm$ 0.045 χ^2/NDF : 2338446.7/20

+ sign 280.636 $\pm$ 0.045 χ^2/NDF : 6783433.5/38

All: 276.635 $\pm$ 0.031 χ^2/NDF : 13786857.4/78

- sign 272.874 $\pm$ 0.043 χ^2/NDF : 6987908.7/39

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 272.759+/-30.365 χ^2/NDF : 19.8/21

Right Out: -175.485+/-41.101 χ^2/NDF : 10.3/18

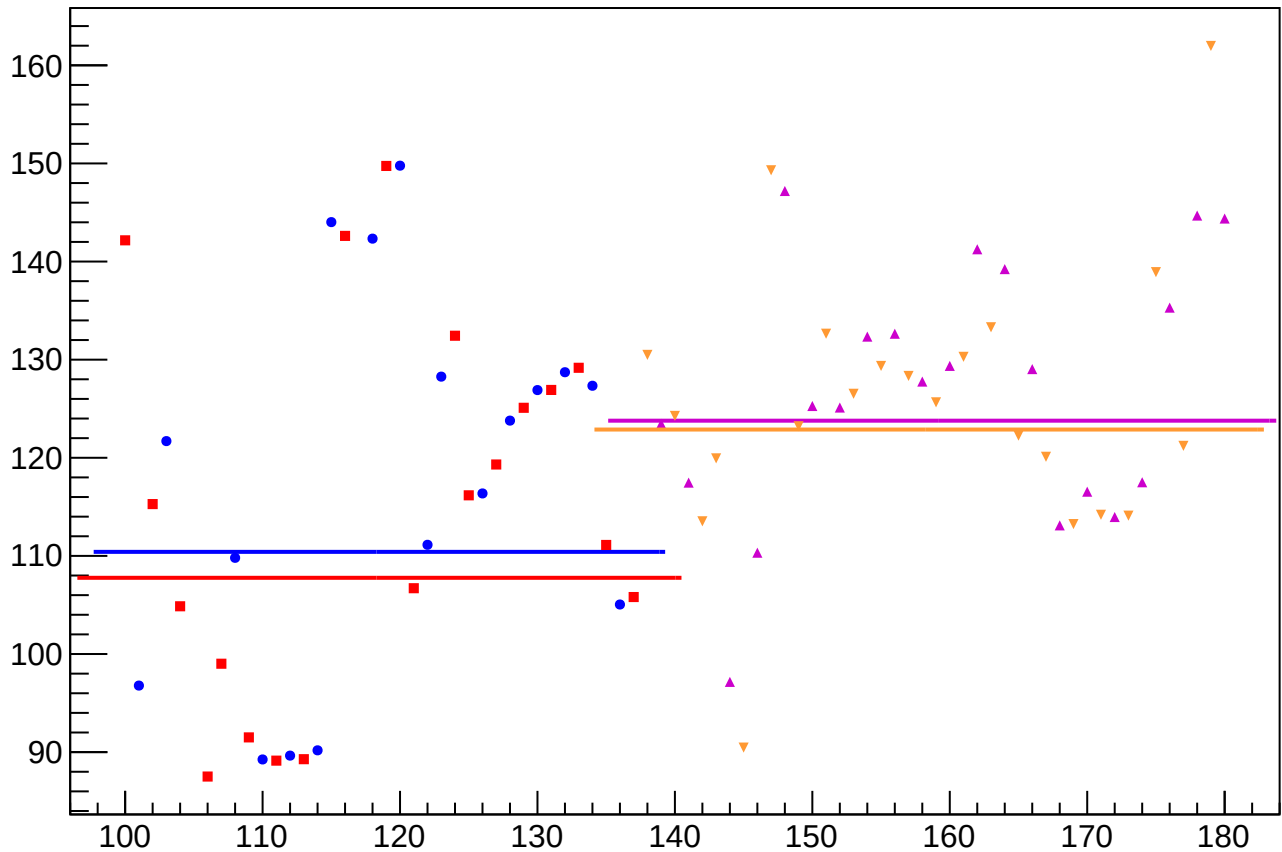
Left In: -238.305+/-30.770 χ^2/NDF : 23.6/20

+ sign 212.768+/-24.863 χ^2/NDF : 48.5/38

All: -3.489+/-17.499 χ^2/NDF : 233.8/78

- sign -215.741+/-24.632 χ^2/NDF : 35.4/39

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411+/-0.031 χ^2/NDF : 296425.4/16

Left Out: 122.878+/-0.021 χ^2/NDF : 433377.6/21

Right Out: 107.768+/-0.029 χ^2/NDF : 344441.4/18

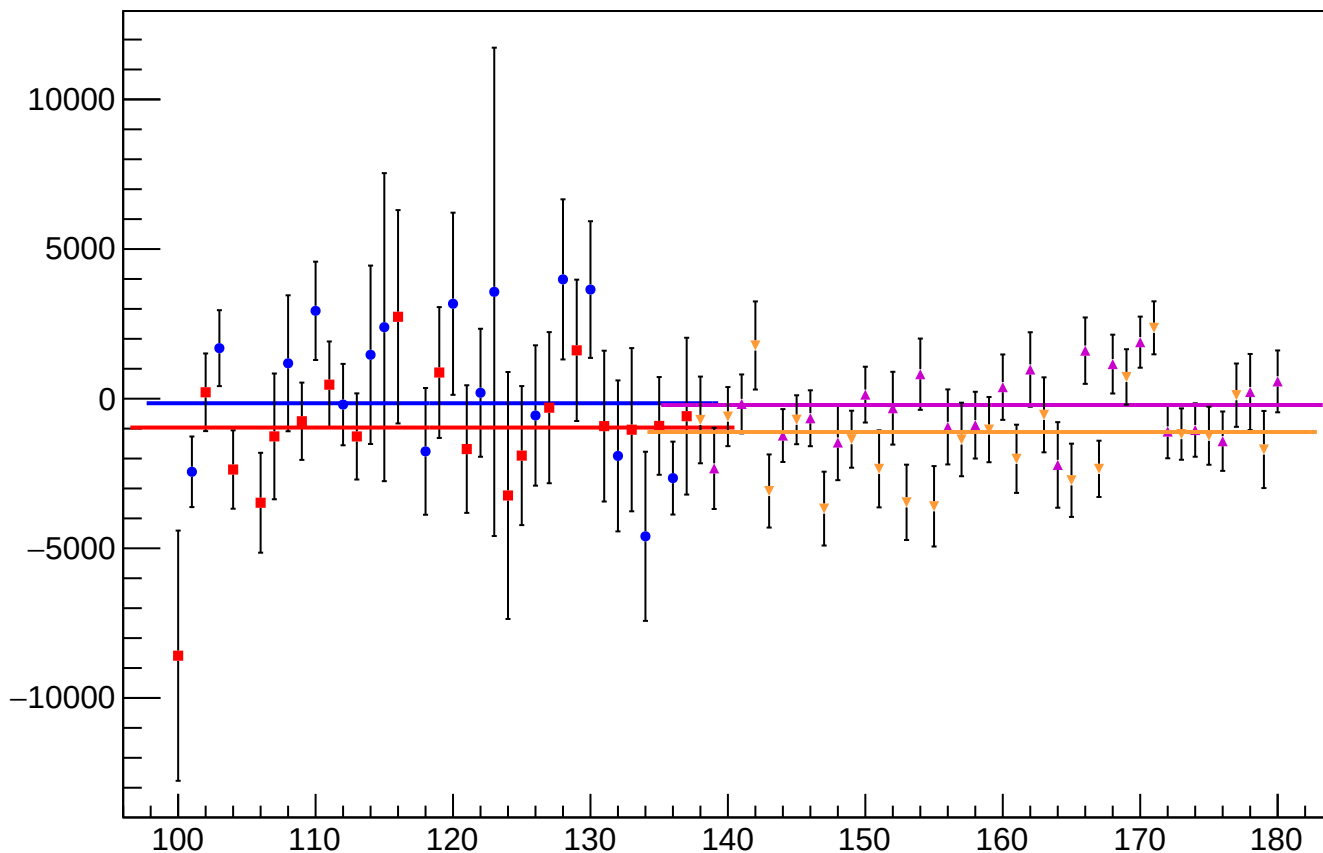
Left In: 123.781+/-0.022 χ^2/NDF : 369187.9/20

+ sign 118.770+/-0.018 χ^2/NDF : 840899.6/38

All: 118.396+/-0.012 χ^2/NDF : 1749978.3/78

- sign 118.030+/-0.017 χ^2/NDF : 908183.9/39

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1112.807 ± 230.968 χ^2/NDF : 44.5/21

Right Out: -964.716 ± 435.111 χ^2/NDF : 12.3/18

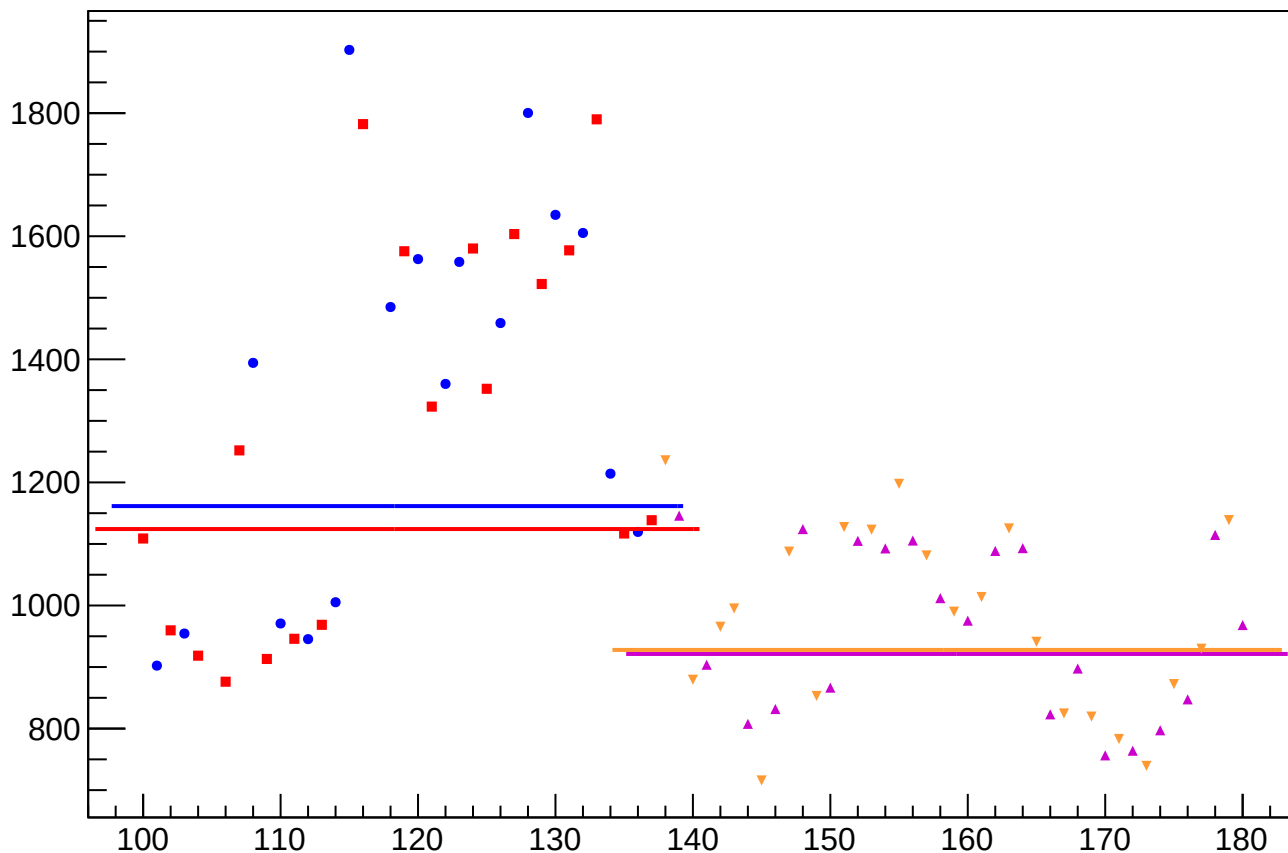
Left In: -211.134 ± 230.145 χ^2/NDF : 24.5/20

+ sign -922.588 ± 206.834 χ^2/NDF : 72.6/38

All: -644.708 ± 145.039 χ^2/NDF : 115.3/78

- sign -375.874 ± 203.439 χ^2/NDF : 39.1/39

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 927.800 $\pm$ 0.163 χ^2 /NDF: 820498.2/21

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

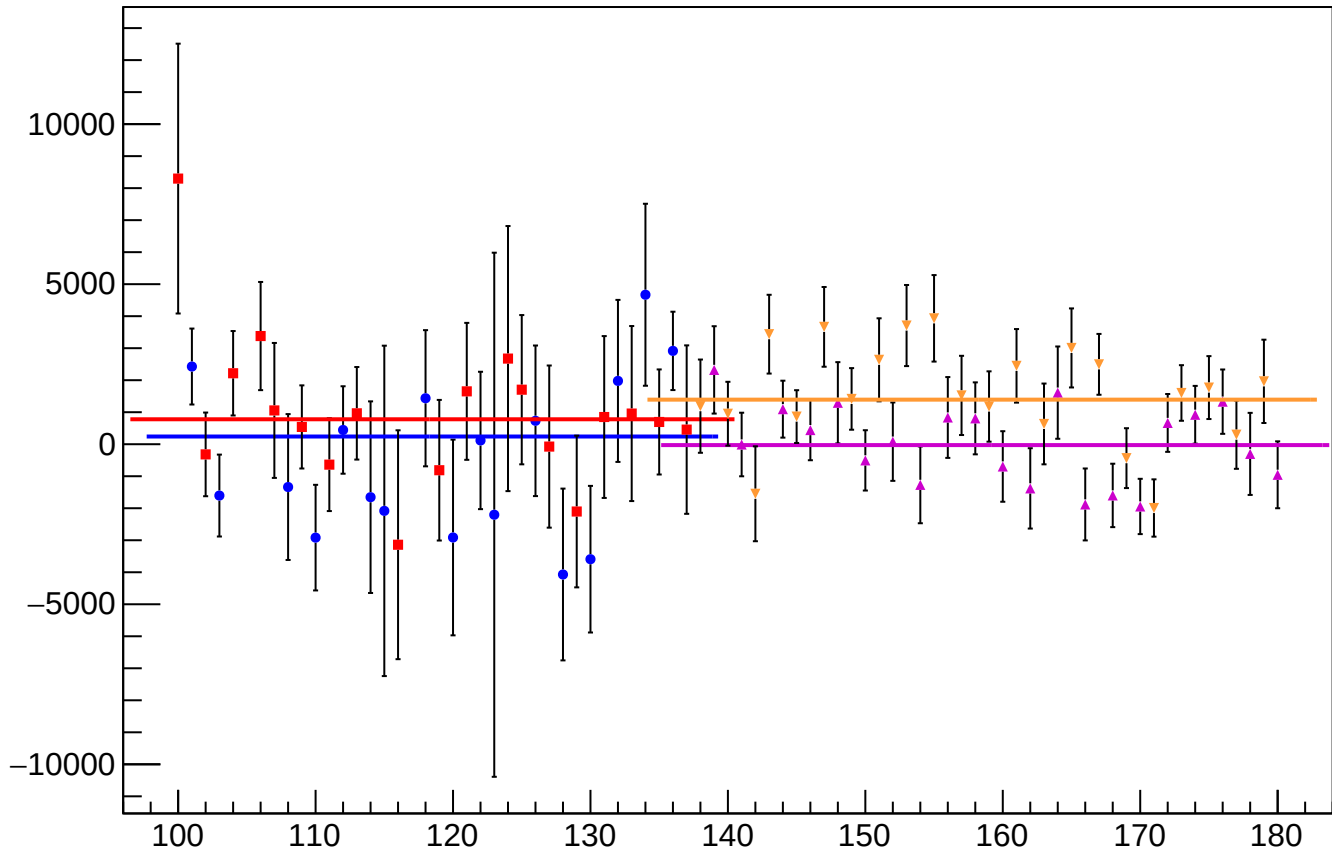
Left In: 921.248 $\pm$ 0.163 χ^2 /NDF: 632782.0/20

+ sign 974.093 $\pm$ 0.146 χ^2 /NDF: 1922059.1/38

All: 969.788 $\pm$ 0.103 χ^2 /NDF: 3664454.1/78

- sign 965.623 $\pm$ 0.144 χ^2 /NDF: 1740690.3/39

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1392.449 $\pm$ 233.094 χ^2 /NDF:42.3/21

Right Out: 779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

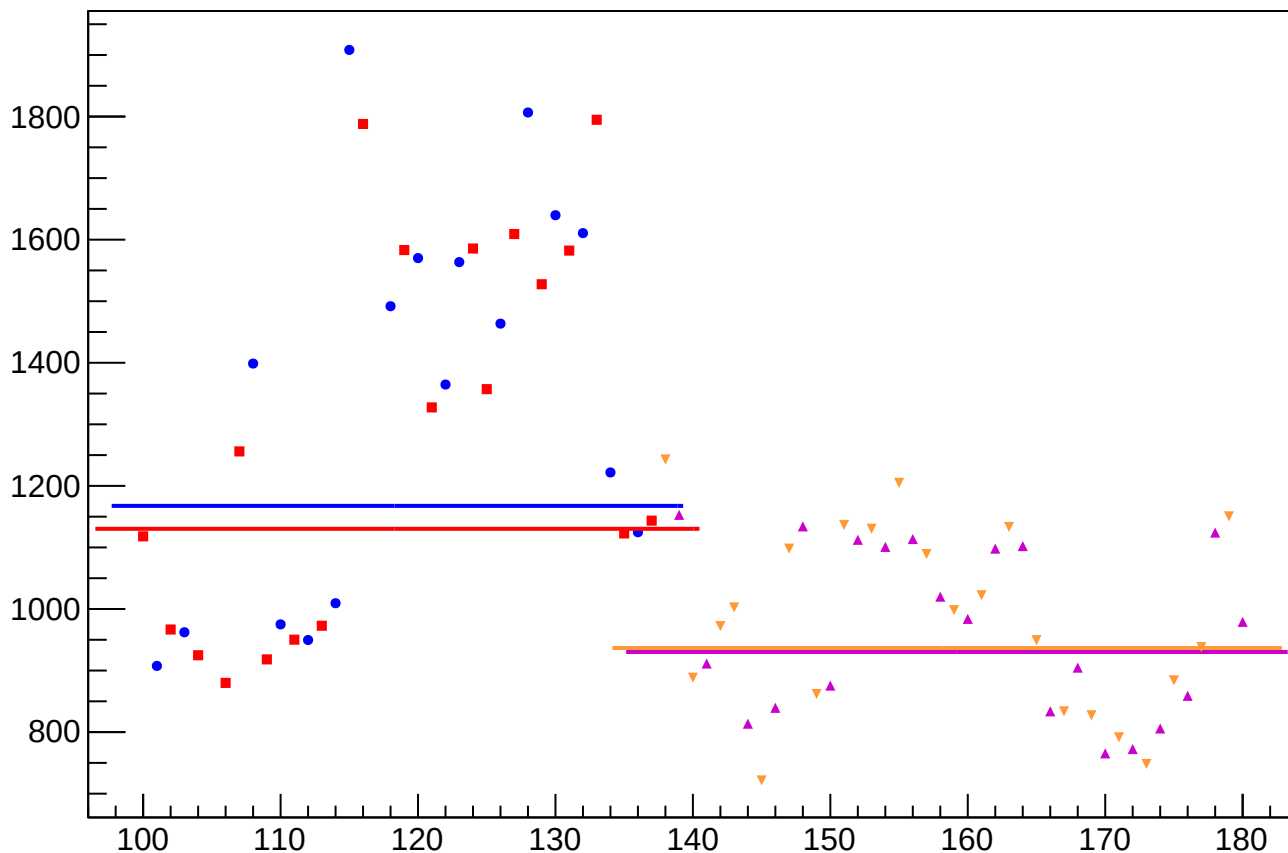
Left In: -27.374 $\pm$ 232.325 χ^2 /NDF:25.6/20

+ sign 1162.775 $\pm$ 208.561 χ^2 /NDF: 72.0/38

All: 648.154 $\pm$ 146.267 χ^2 /NDF: 124.6/78

- sign 150.049 $\pm$ 205.187 χ^2 /NDF: 40.6/39

asym_sam_48_dd_rms vs Slug



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 936.585 $\pm$ 0.165 χ^2 /NDF: 808675.1/21

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

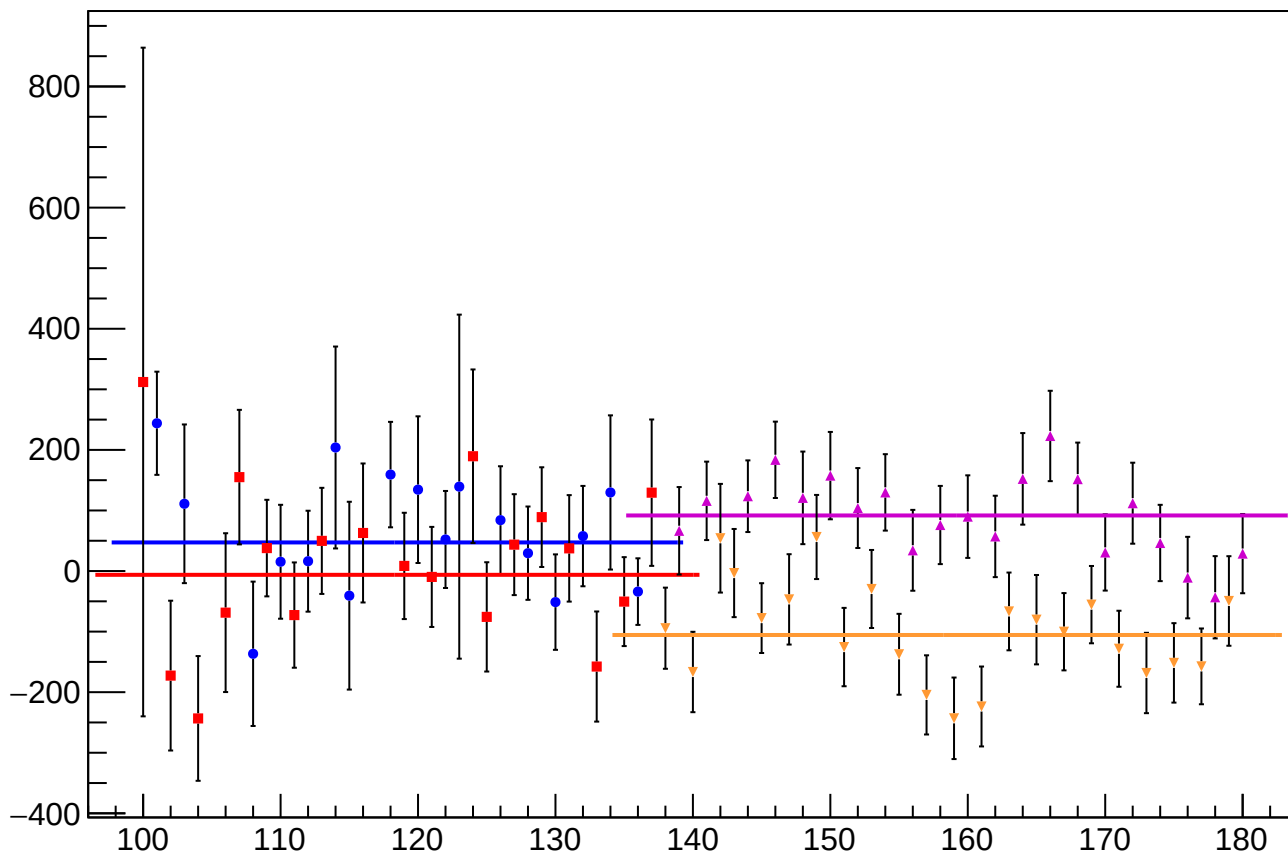
Left In: 930.179 $\pm$ 0.164 χ^2 /NDF: 621945.1/20

+ sign 982.641 $\pm$ 0.147 χ^2 /NDF: 1890708.2/38

All: 978.352 $\pm$ 0.103 χ^2 /NDF: 3602259.2/78

- sign 974.200 $\pm$ 0.145 χ^2 /NDF: 1709886.1/39

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 ± 22.565 χ^2/NDF : 16.1/16

Left Out: -105.577 ± 14.272 χ^2/NDF : 27.6/21

Right Out: -6.246 ± 22.128 χ^2/NDF : 20.3/18

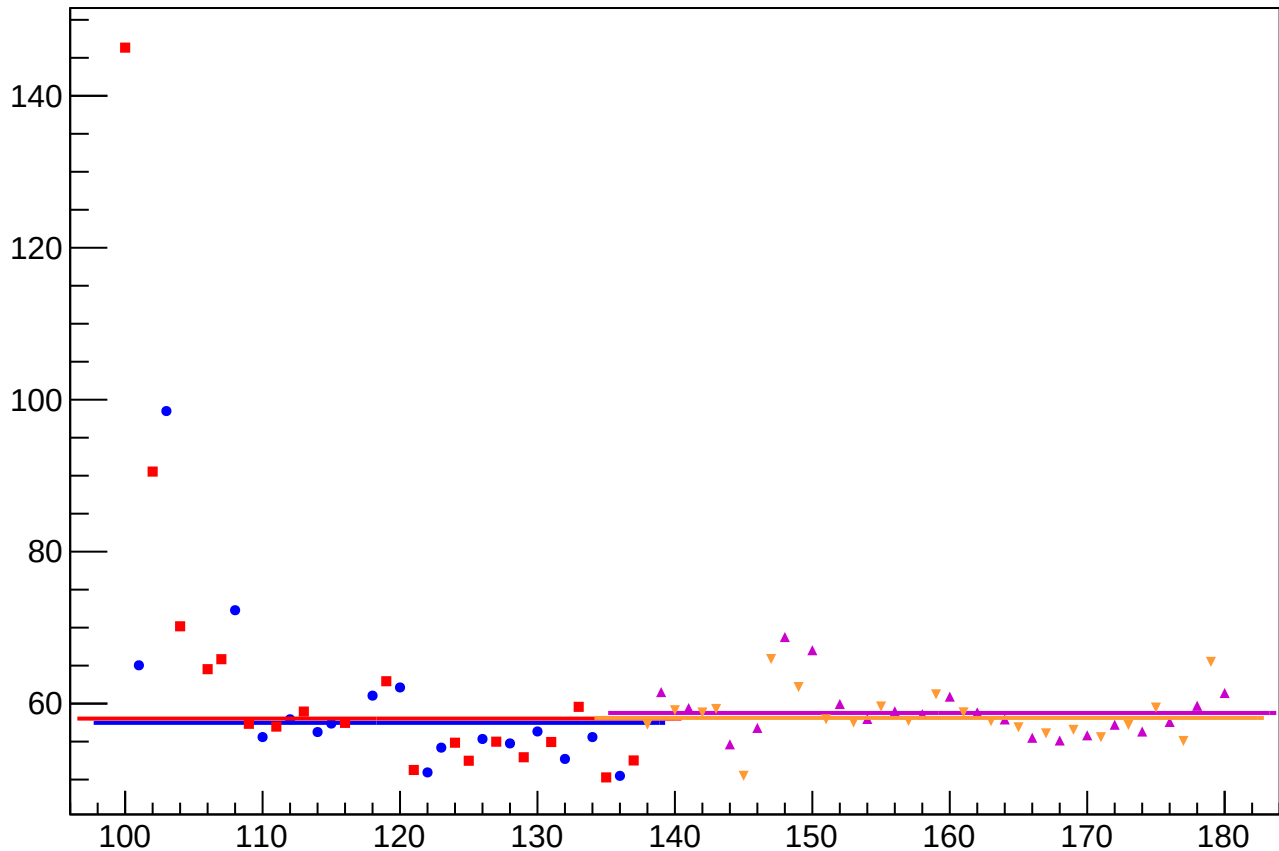
Left In: 91.752 ± 14.523 χ^2/NDF : 18.6/20

+ sign -61.918 ± 12.062 χ^2/NDF : 76.4/38

All: -0.242 ± 8.557 χ^2/NDF : 181.6/78

- sign 62.248 ± 12.141 χ^2/NDF : 52.6/39

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 58.116 $\pm$ 0.010 χ^2 /NDF:103673.4/21

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

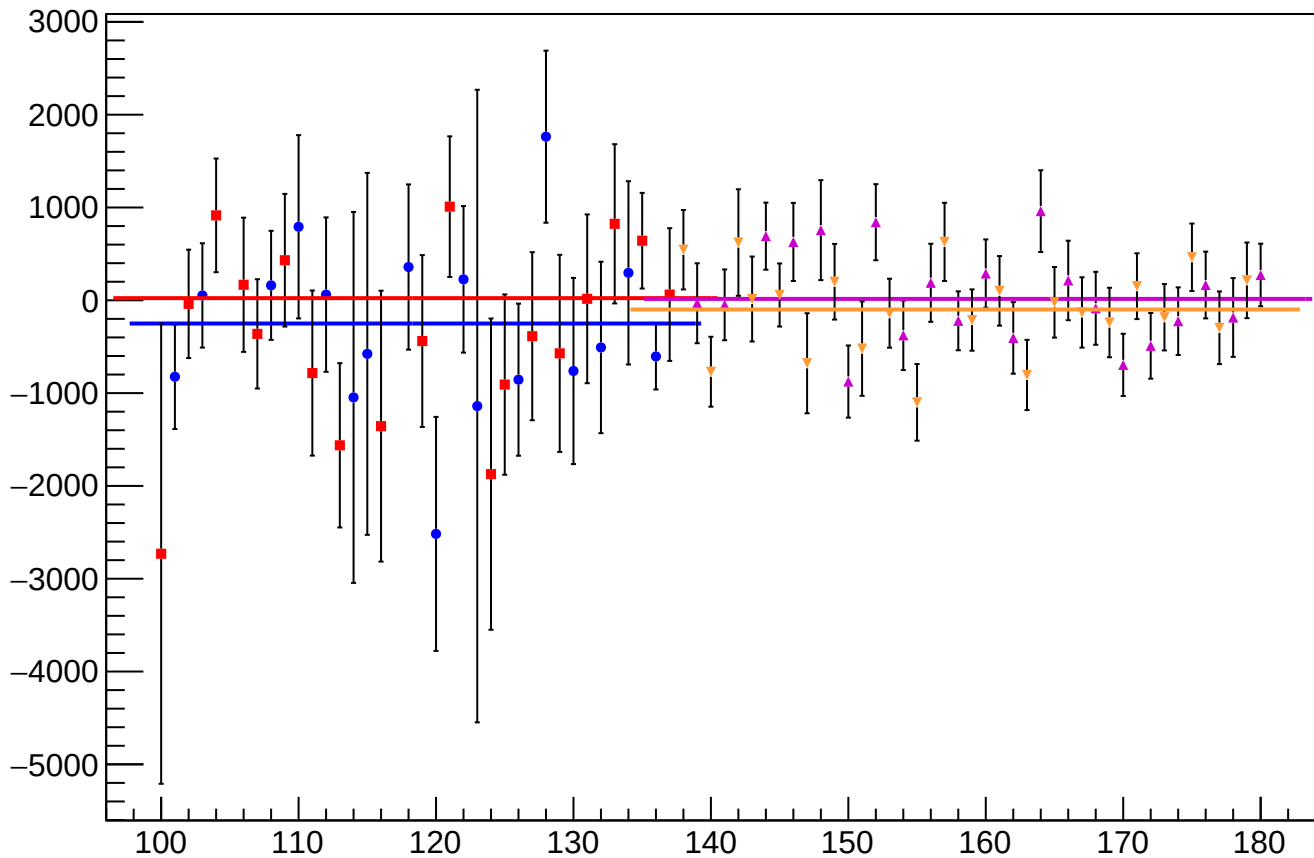
Left In: 58.768 $\pm$ 0.010 χ^2 /NDF:102166.2/20

+ sign 57.930 $\pm$ 0.009 χ^2 /NDF: 412019.1/38

All: 58.236 $\pm$ 0.006 χ^2 /NDF: 819116.1/78

- sign 58.545 $\pm$ 0.009 χ^2 /NDF: 404520.3/39

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2/NDF : 14.3/16

Left Out: -99.113 $\pm$ 84.151 χ^2/NDF : 26.4/21

Right Out: 23.314 $\pm$ 181.834 χ^2/NDF : 16.1/18

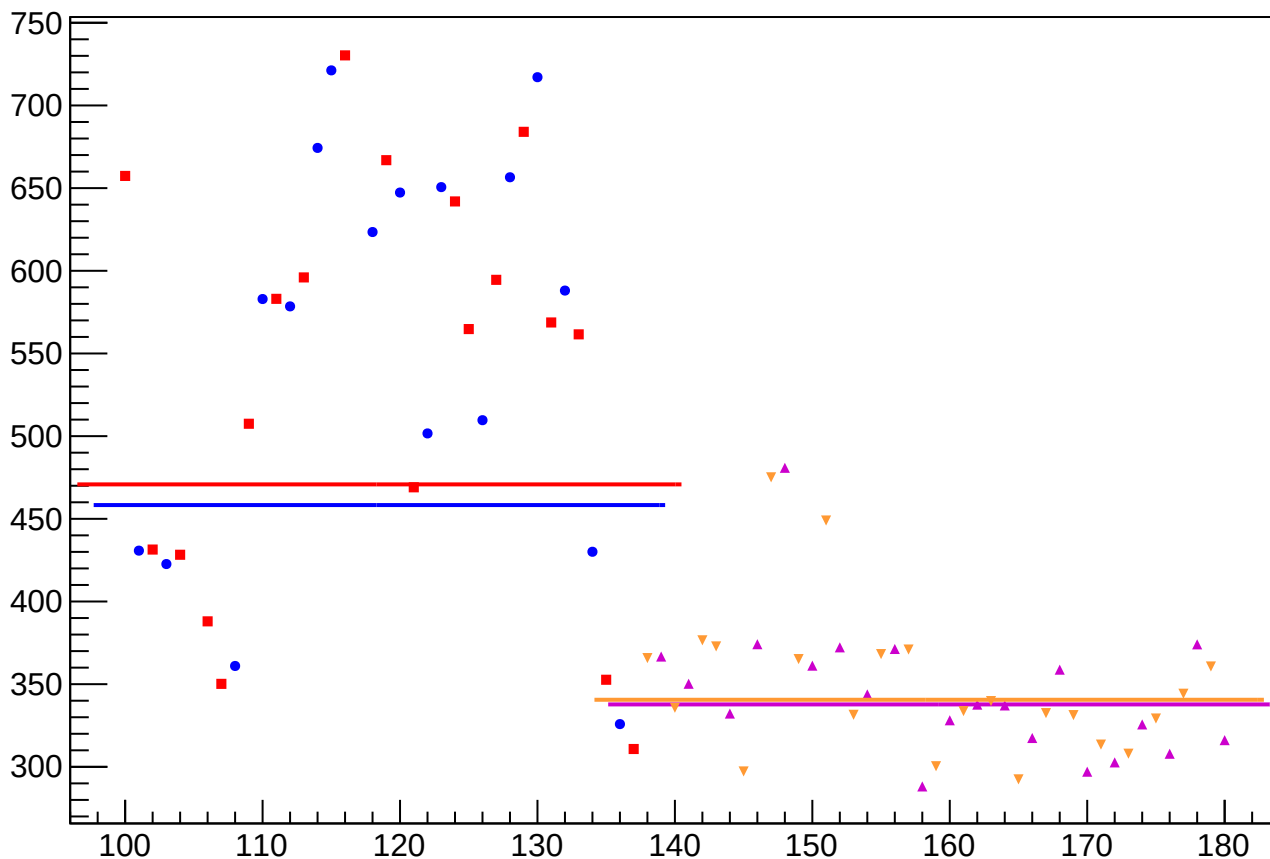
Left In: 15.301 $\pm$ 83.930 χ^2/NDF : 33.3/20

+ sign -125.216 $\pm$ 76.534 χ^2/NDF : 41.2/38

All: -53.947 $\pm$ 54.001 χ^2/NDF : 92.3/78

- sign 16.708 $\pm$ 76.204 χ^2/NDF : 49.3/39

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 340.573+/-0.060 χ^2/NDF : 400713.6/21

Right Out: 470.827+/-0.129 χ^2/NDF : 778635.2/18

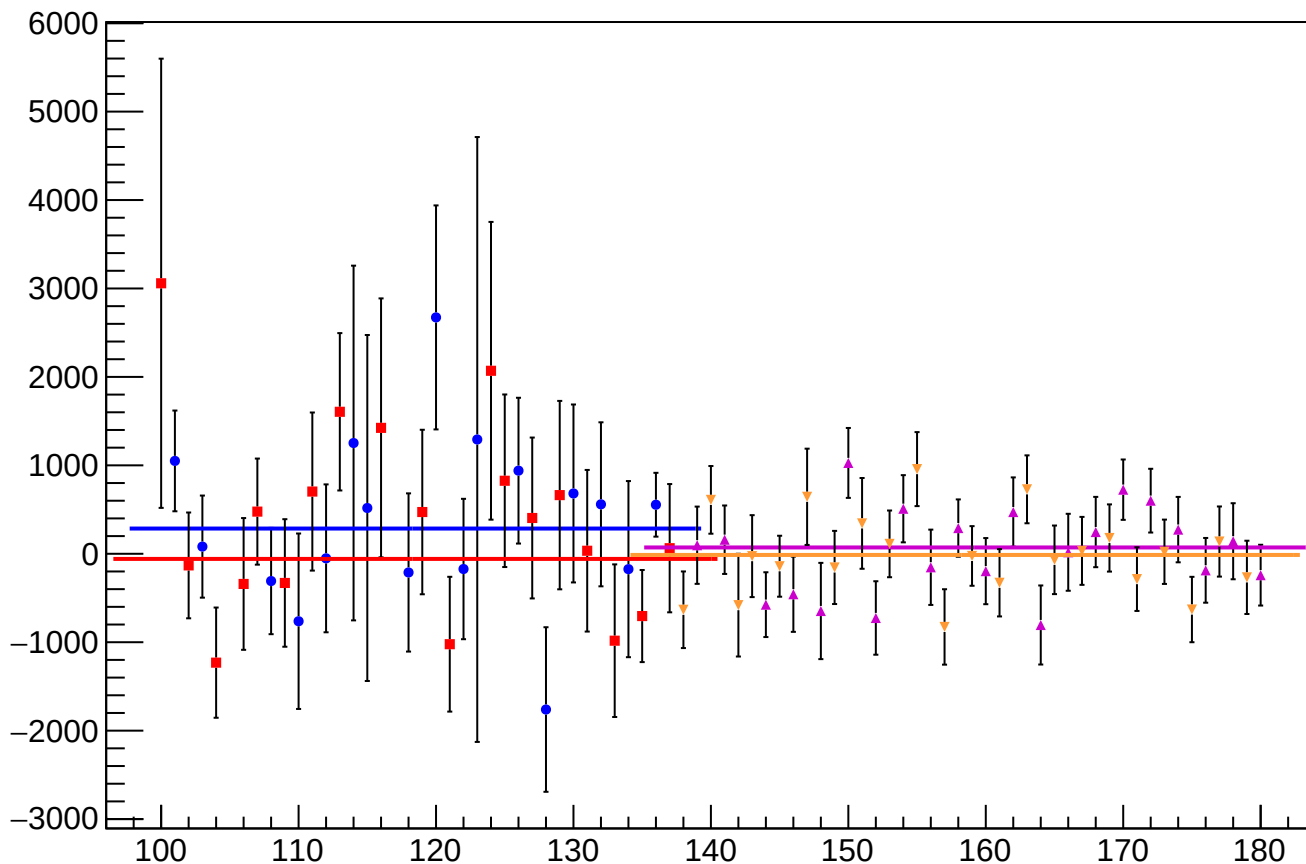
Left In: 337.760+/-0.059 χ^2/NDF : 350871.8/20

+ sign 360.925+/-0.054 χ^2/NDF : 1954747.8/38

All: 361.028+/-0.038 χ^2/NDF : 3967220.6/78

- sign 361.131+/-0.054 χ^2/NDF : 2012465.4/39

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 χ^2/NDF : 15.2/16

Left Out: -13.171 ± 85.413 χ^2/NDF : 25.6/21

Right Out: -58.001 ± 184.074 χ^2/NDF : 19.2/18

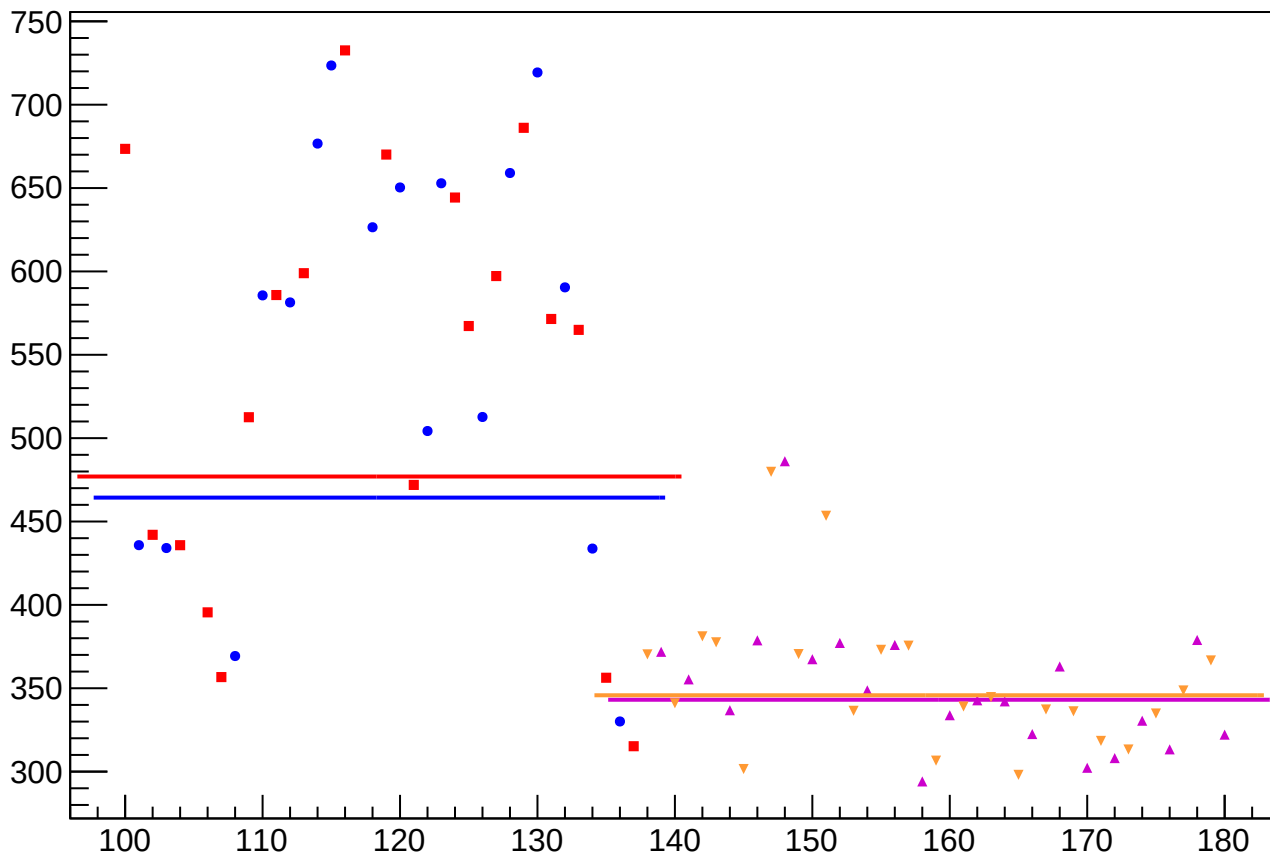
Left In: 71.577 ± 85.232 χ^2/NDF : 31.1/20

+ sign 38.696 ± 77.639 χ^2/NDF : 42.9/38

All: 43.718 ± 54.794 χ^2/NDF : 93.6/78

- sign 48.700 ± 77.343 χ^2/NDF : 50.7/39

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 345.791 $\pm$ 0.060 χ^2 /NDF: 387089.0/21

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

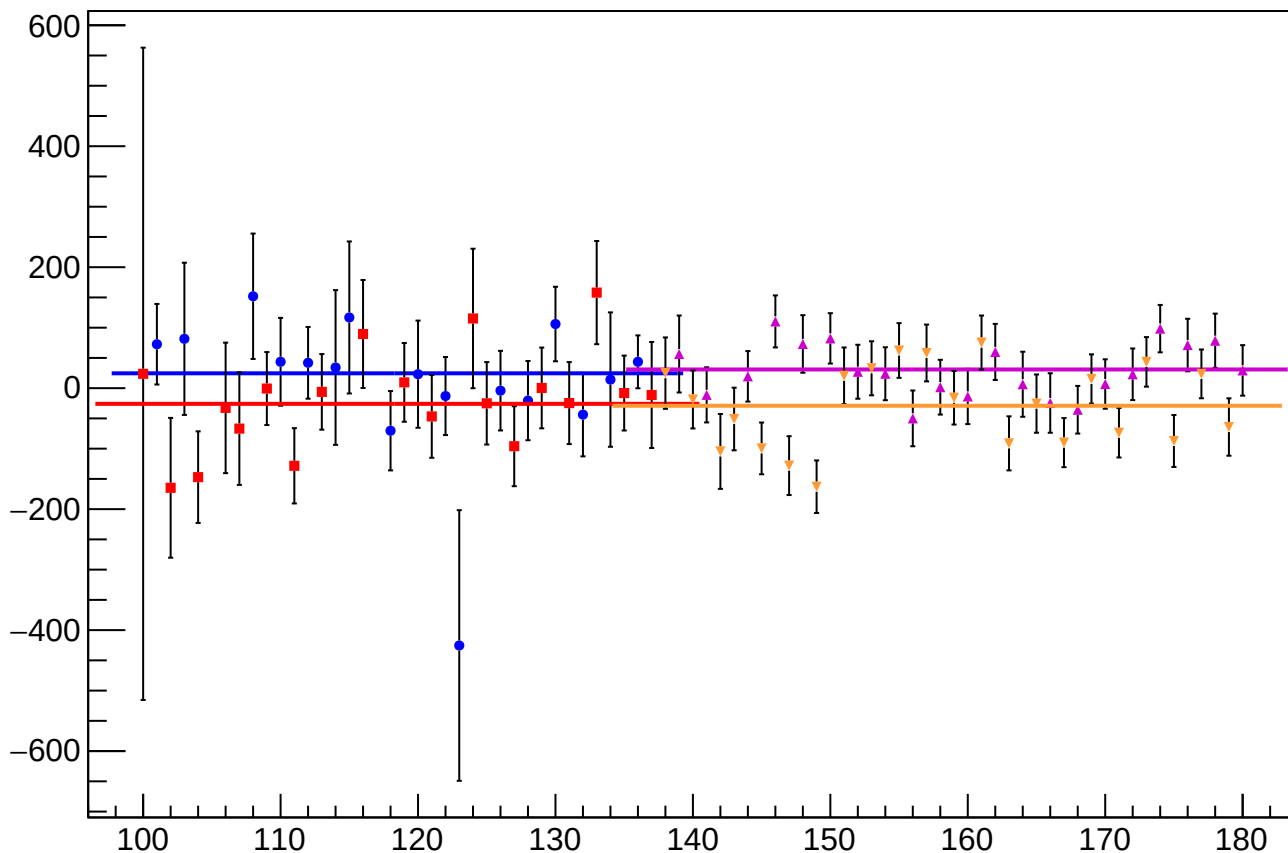
Left In: 343.101 $\pm$ 0.060 χ^2 /NDF: 337601.2/20

+ sign 366.389 $\pm$ 0.055 χ^2 /NDF: 1902408.7/38

All: 366.564 $\pm$ 0.039 χ^2 /NDF: 3860661.0/78

- sign 366.739 $\pm$ 0.055 χ^2 /NDF: 1958231.9/39

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -29.079 $\pm$ 9.665 χ^2 /NDF: 48.8/21

Right Out: -25.884 $\pm$ 17.386 χ^2 /NDF: 16.8/18

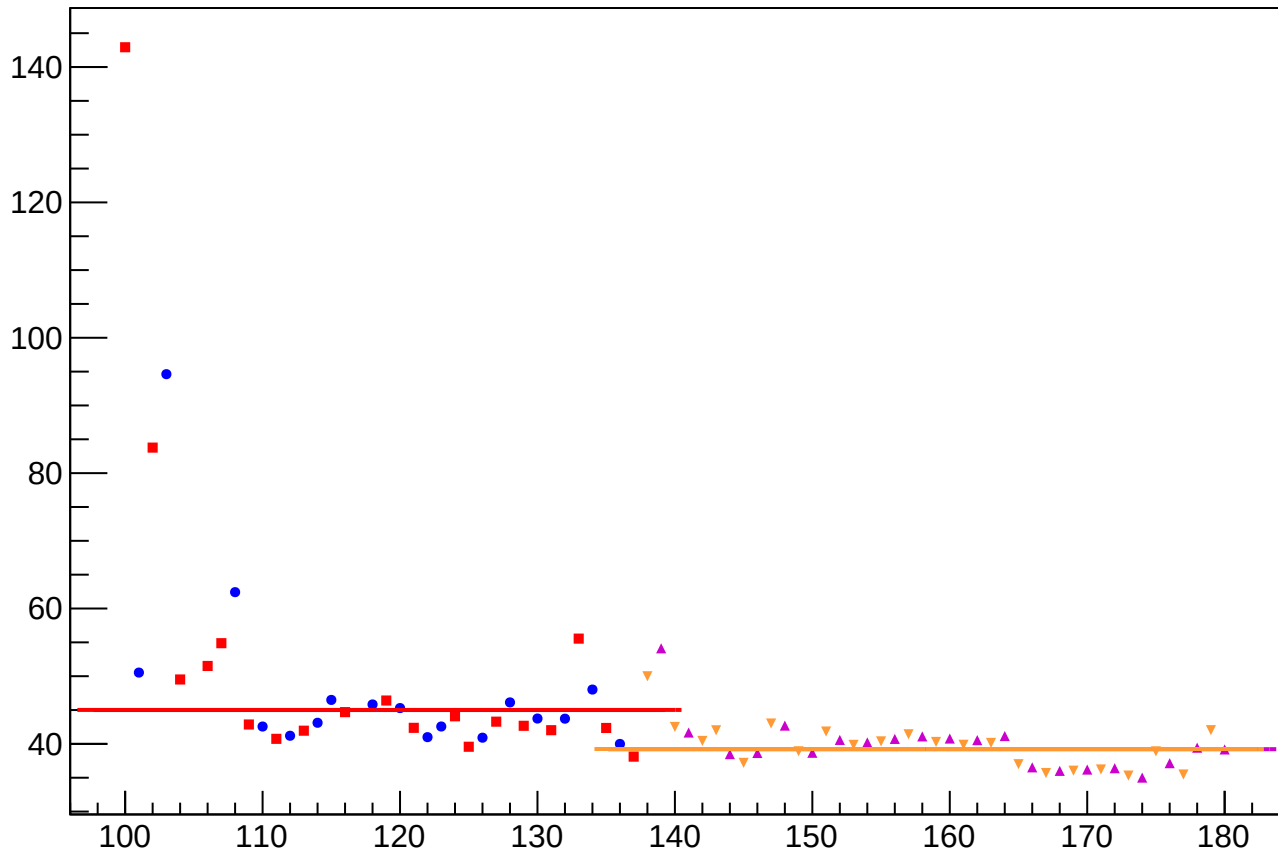
Left In: 30.945 $\pm$ 9.715 χ^2 /NDF: 21.4/20

+ sign -16.902 $\pm$ 8.498 χ^2 /NDF: 68.8/38

All: 0.296 $\pm$ 6.003 χ^2 /NDF: 123.3/78

- sign 17.424 $\pm$ 8.481 χ^2 /NDF: 46.3/39

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 39.244 $\pm$ 0.007 χ^2 /NDF:198813.4/21

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

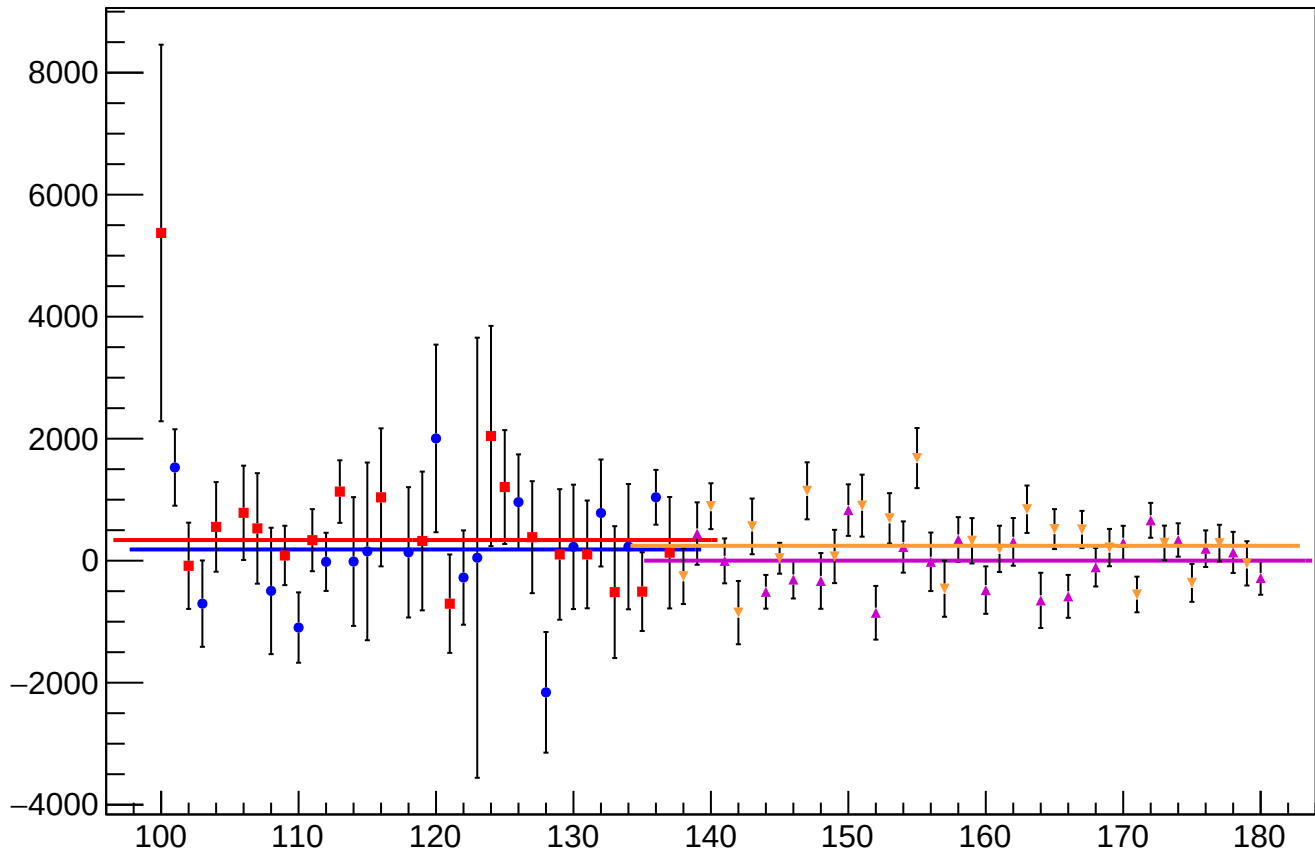
Left In: 39.218 $\pm$ 0.007 χ^2 /NDF:209085.6/20

+ sign 40.550 $\pm$ 0.006 χ^2 /NDF: 798228.1/38

All: 40.574 $\pm$ 0.004 χ^2 /NDF: 1592429.3/78

- sign 40.598 $\pm$ 0.006 χ^2 /NDF: 794169.8/39

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 244.494 ± 76.927 χ^2/NDF : 43.2/21

Right Out: 338.329 ± 179.381 χ^2/NDF : 12.5/18

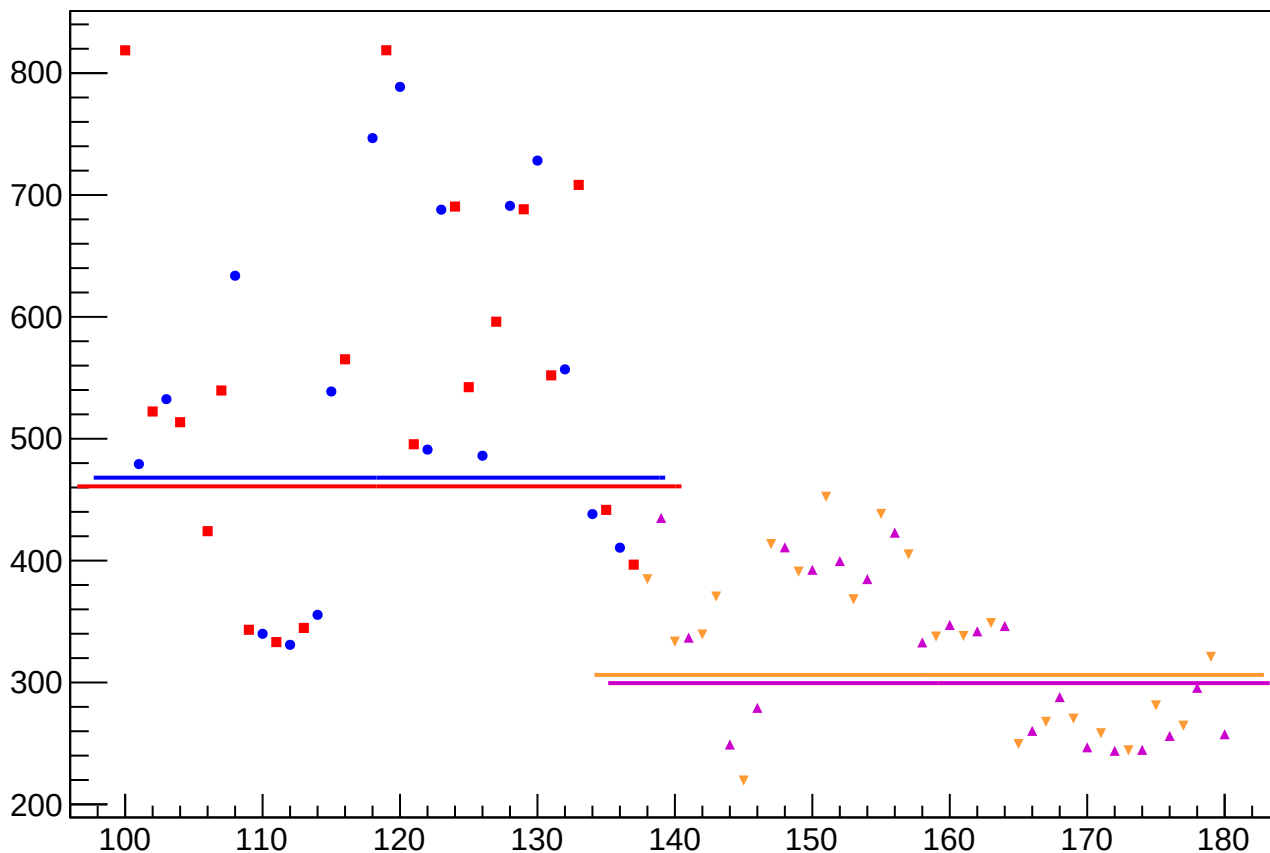
Left In: 0.797 ± 75.531 χ^2/NDF : 31.2/20

+ sign 235.889 ± 71.227 χ^2/NDF : 67.5/38

All: 141.645 ± 49.784 χ^2/NDF : 117.6/78

- sign 51.628 ± 69.611 χ^2/NDF : 46.7/39

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 306.207+/-0.054 χ^2/NDF :1354370.8/21

Right Out: 460.939+/-0.127 χ^2/NDF : 955028.5/18

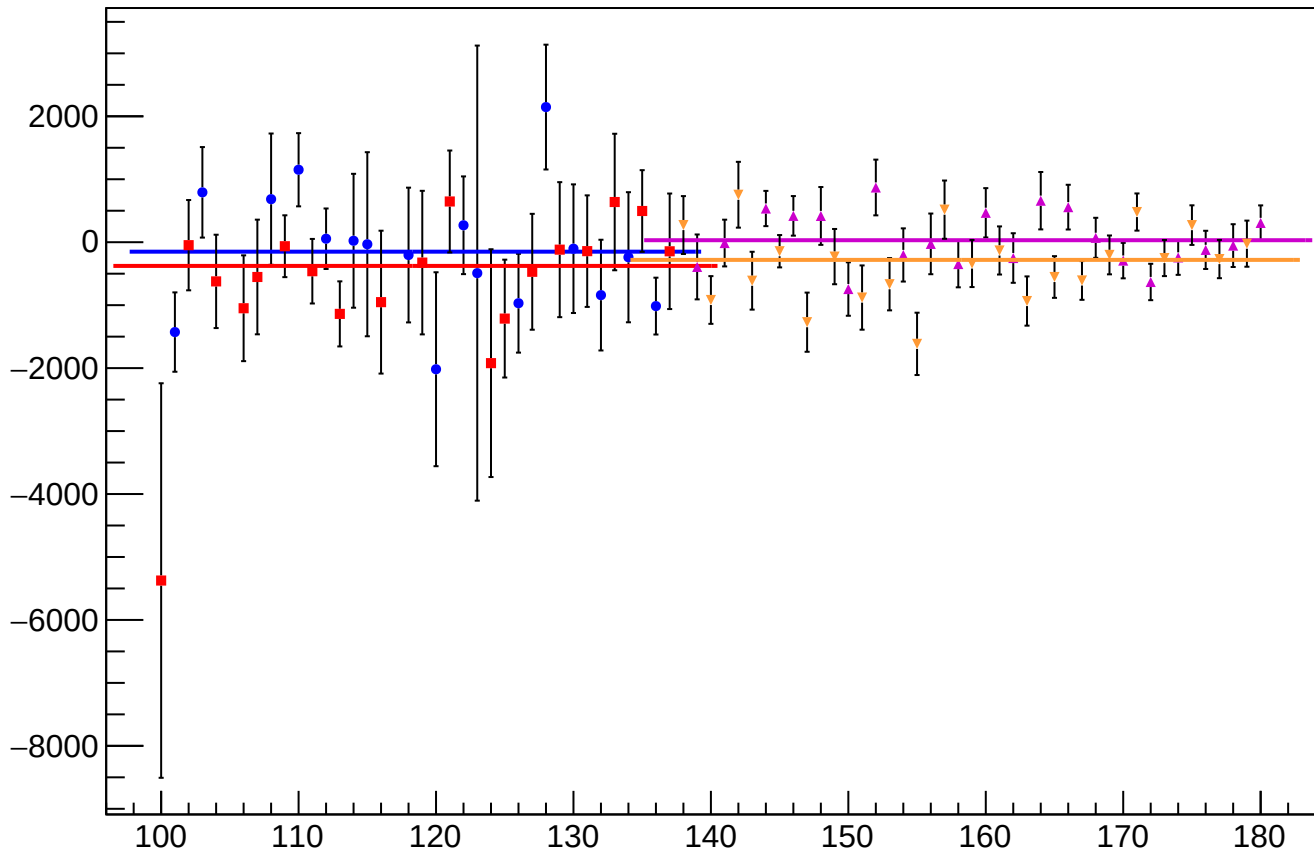
Left In: 299.477+/-0.053 χ^2/NDF :1204664.7/20

+ sign 329.304+/-0.050 χ^2/NDF : 3498197.2/38

All: 326.485+/-0.035 χ^2/NDF : 7040386.3/78

- sign 323.792+/-0.049 χ^2/NDF : 3536062.8/39

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -280.805 ± 77.597 χ^2/NDF : 41.0/21

Right Out: -376.554 ± 181.258 χ^2/NDF : 12.4/18

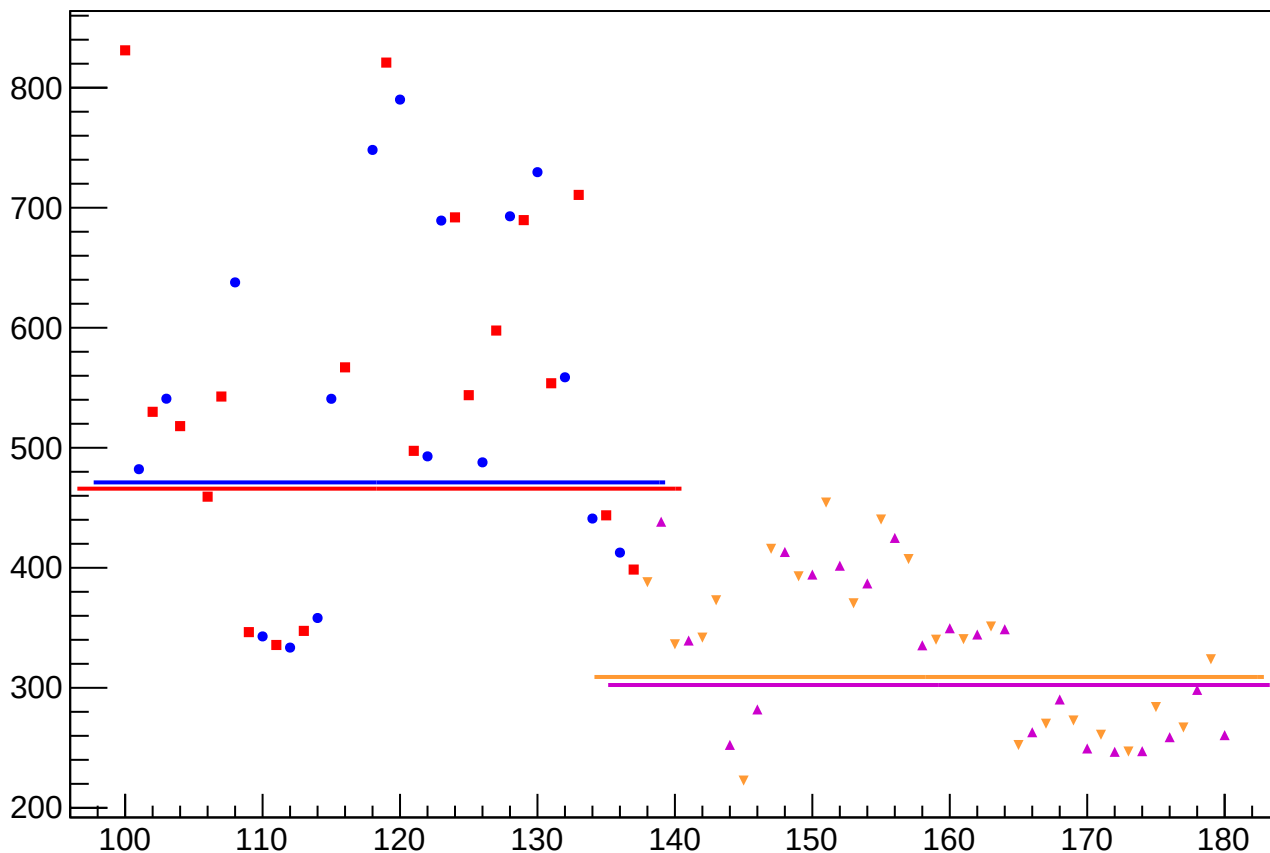
Left In: 31.725 ± 76.217 χ^2/NDF : 29.1/20

+ sign -262.104 ± 71.822 χ^2/NDF : 65.6/38

All: -143.302 ± 50.224 χ^2/NDF : 116.8/78

- sign -29.617 ± 70.258 χ^2/NDF : 45.9/39

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 309.039+/-0.055 χ^2/NDF :1324299.0/21

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

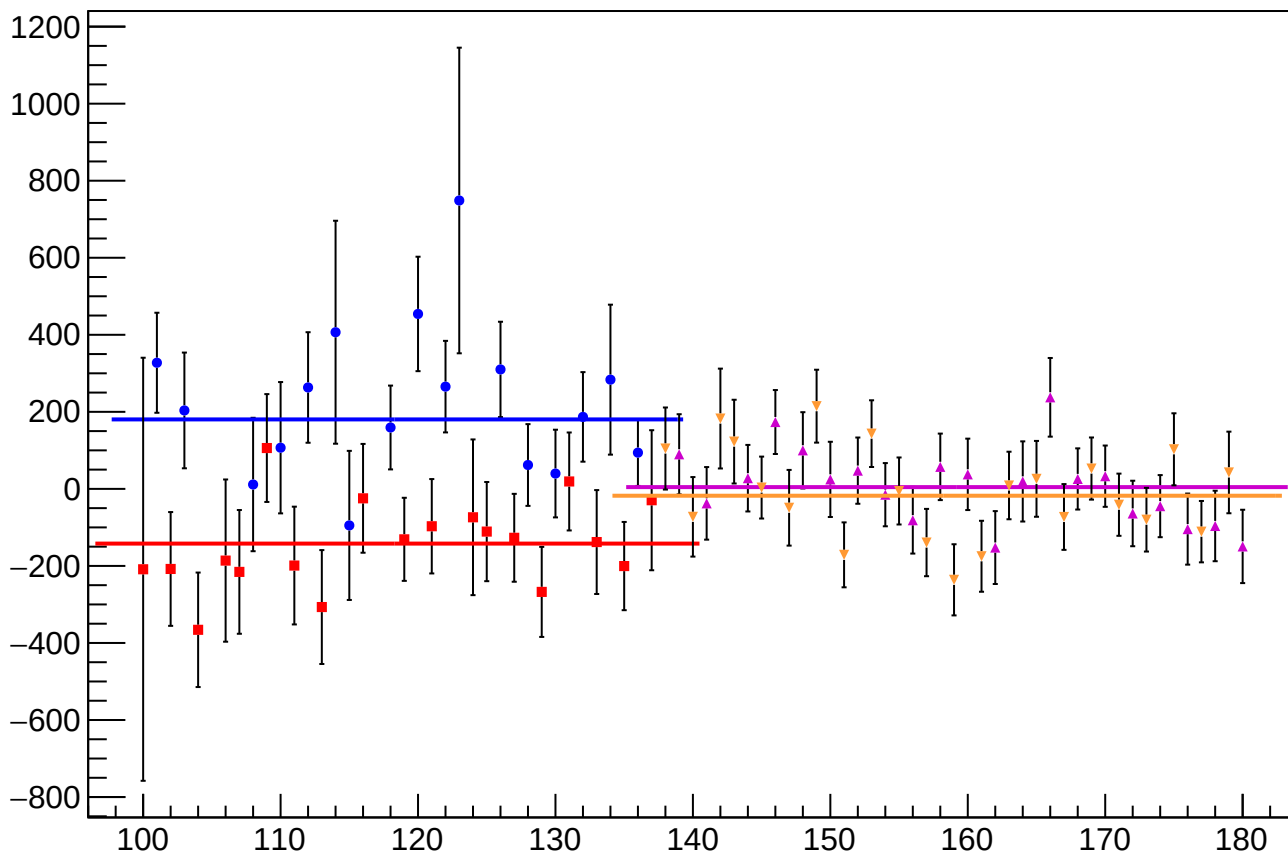
Left In: 302.348+/-0.054 χ^2/NDF :1178467.0/20

+ sign 332.271+/-0.051 χ^2/NDF : 3447105.9/38

All: 329.540+/-0.036 χ^2/NDF : 6956052.7/78

- sign 326.926+/-0.050 χ^2/NDF : 3503288.2/39

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 ± 32.769 $\chi^2/\text{NDF}: 16.6/16$

Left Out: -17.772 ± 19.412 $\chi^2/\text{NDF}: 34.6/21$

Right Out: -142.040 ± 32.338 $\chi^2/\text{NDF}: 11.7/18$

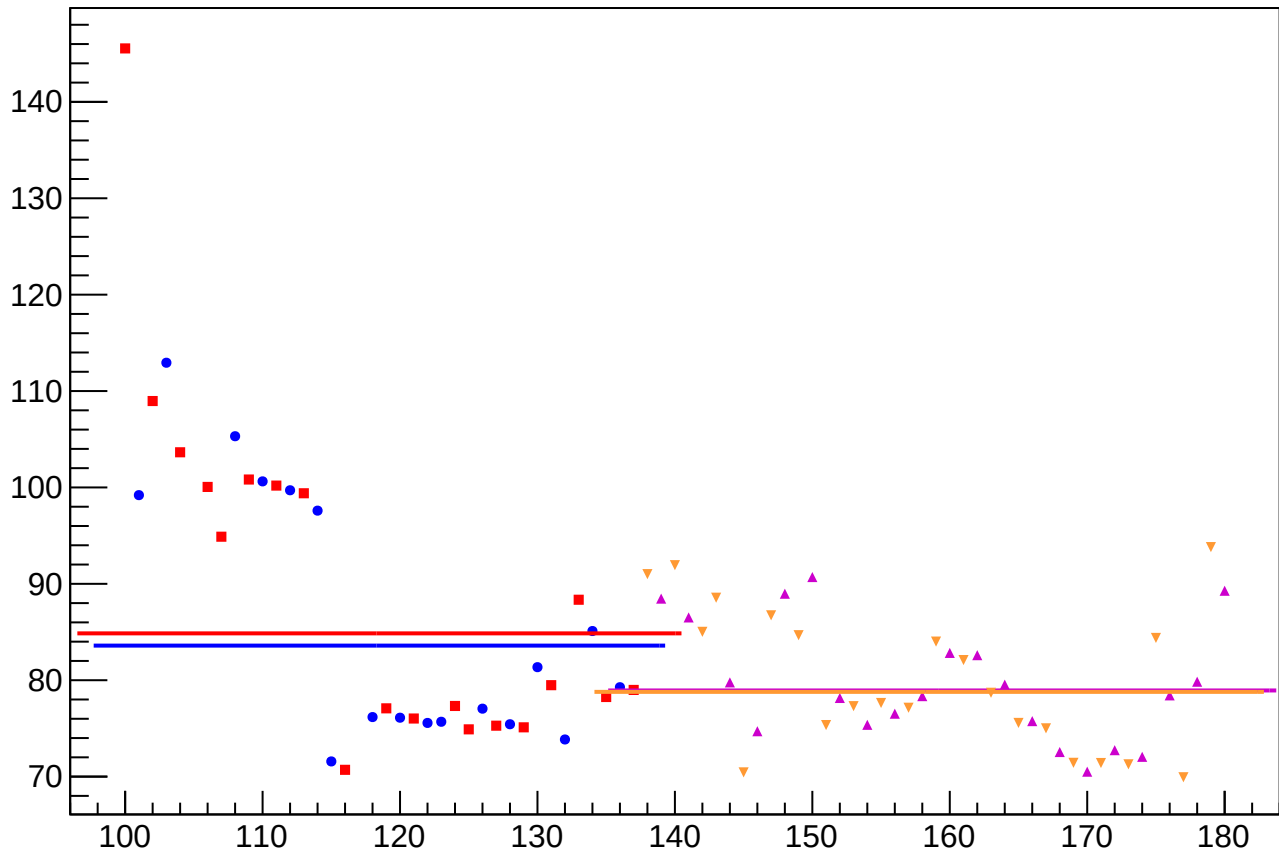
Left In: 4.596 ± 19.556 $\chi^2/\text{NDF}: 22.3/20$

+ sign 33.687 ± 16.701 $\chi^2/\text{NDF}: 78.2/38$

All: -0.425 ± 11.821 $\chi^2/\text{NDF}: 135.6/78$

- sign -34.671 ± 16.734 $\chi^2/\text{NDF}: 49.0/39$

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 78.791 $\pm$ 0.014 χ^2 /NDF: 263881.0/21

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

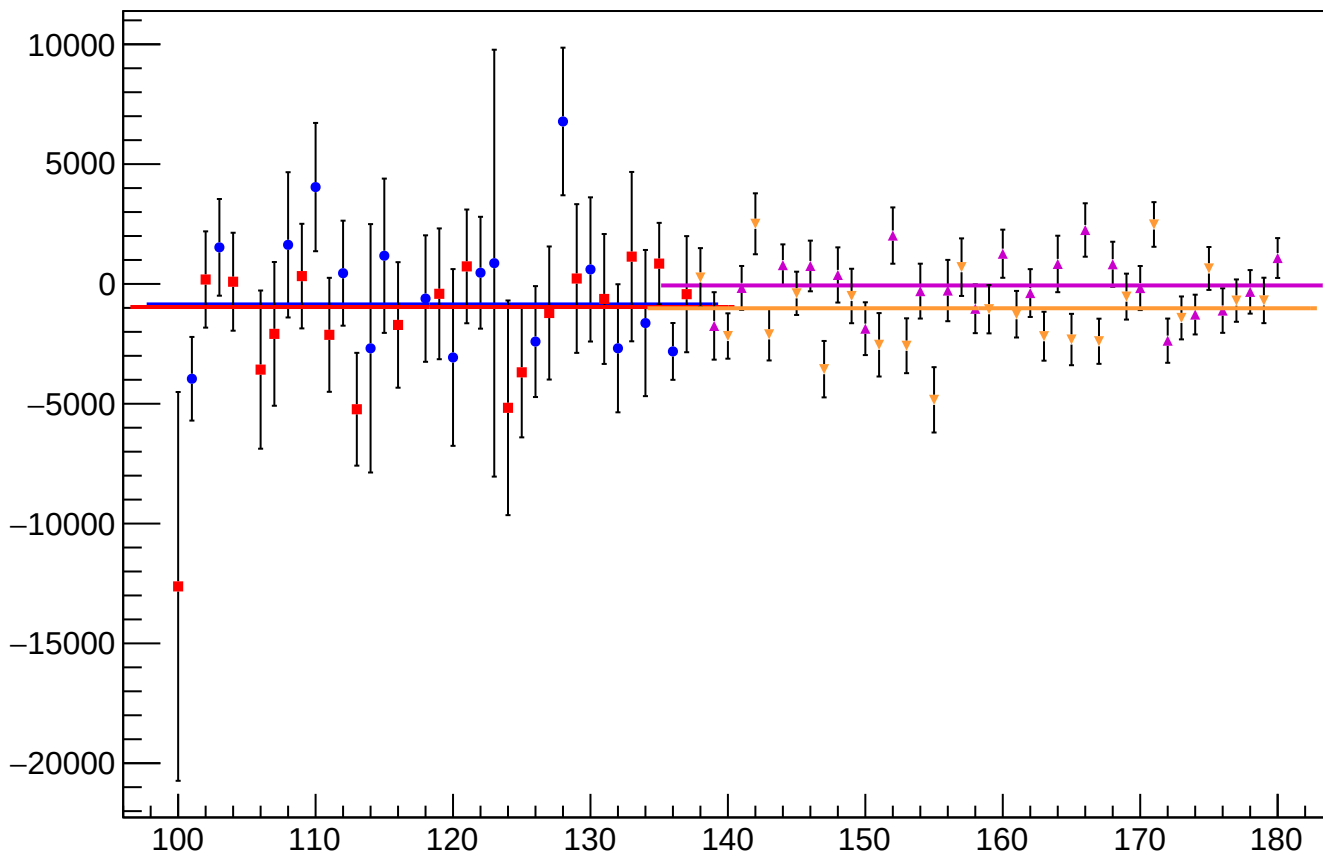
Left In: 78.937 $\pm$ 0.014 χ^2 /NDF: 183230.1/20

+ sign 80.038 $\pm$ 0.012 χ^2 /NDF: 551558.9/38

All: 80.280 $\pm$ 0.008 χ^2 /NDF: 1075379.6/78

- sign 80.524 $\pm$ 0.012 χ^2 /NDF: 522977.2/39

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 ± 583.290 χ^2/NDF : 20.3/16

Left Out: -1014.882 ± 220.039 χ^2/NDF : 52.9/21

Right Out: -962.932 ± 589.071 χ^2/NDF : 11.5/18

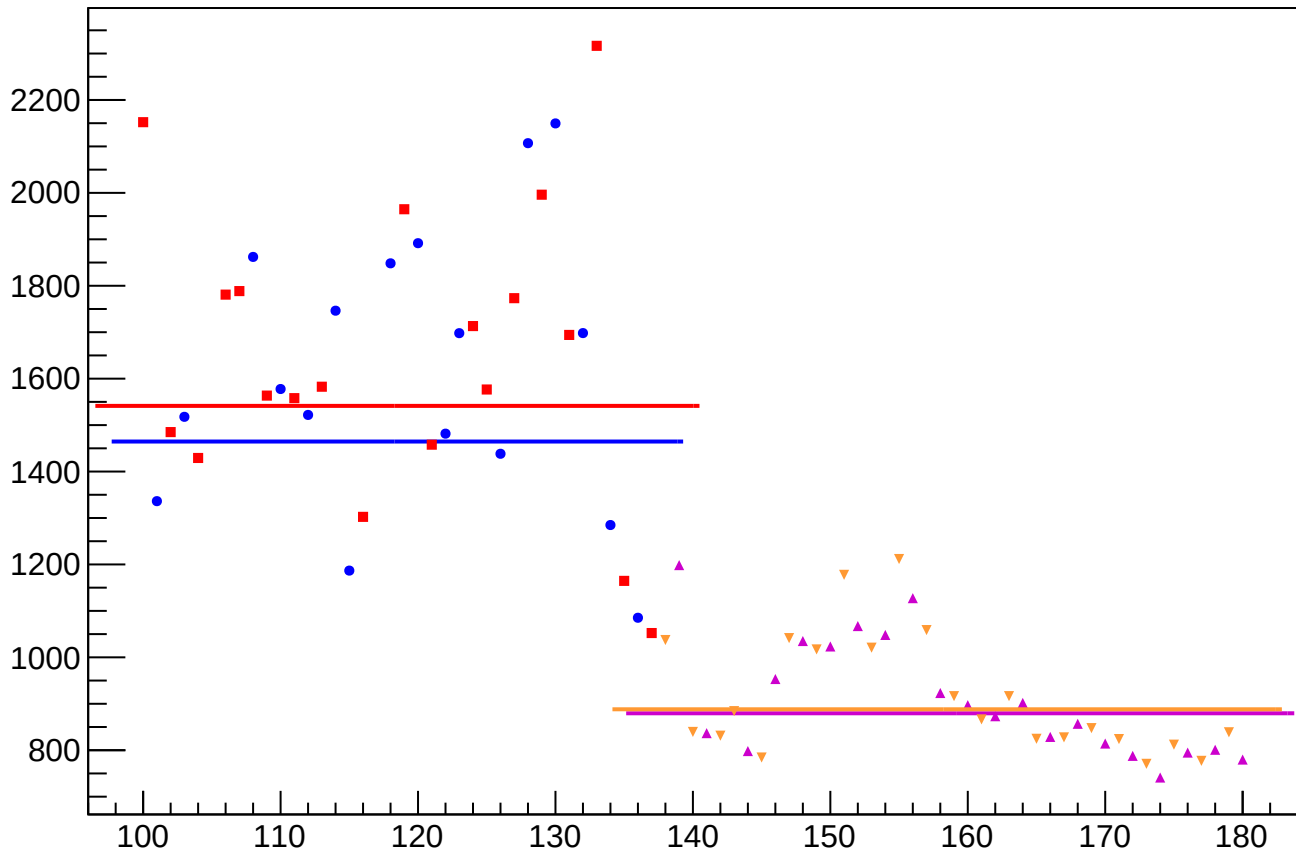
Left In: -62.927 ± 219.040 χ^2/NDF : 29.2/20

+ sign -995.002 ± 205.877 χ^2/NDF : 73.3/38

All: -582.483 ± 145.375 χ^2/NDF : 124.1/78

- sign -172.250 ± 205.306 χ^2/NDF : 42.8/39

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636+/-0.412 χ^2/NDF : 560863.4/16

Left Out: 888.137+/-0.156 χ^2/NDF : 518655.5/21

+ sign 959.957+/-0.146 χ^2/NDF : 2789823.4/38

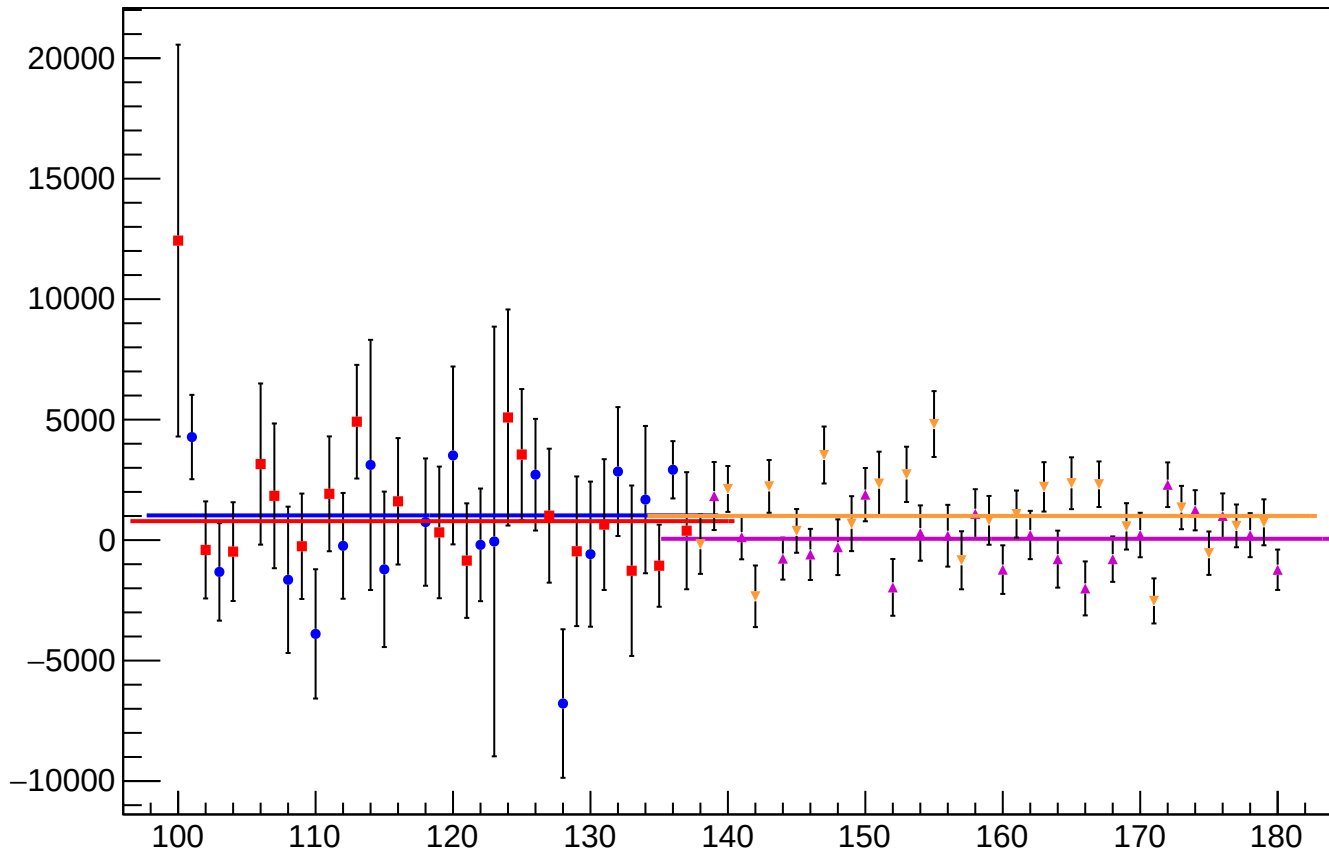
Right Out: 1541.388+/-0.417 χ^2/NDF : 453710.5/18

All: 959.945+/-0.103 χ^2/NDF : 5992200.4/78

- sign 959.934+/-0.145 χ^2/NDF : 3202376.9/39

Left In: 879.539+/-0.155 χ^2/NDF : 530627.2/20

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 ± 584.500 χ^2/NDF : 20.9/16

Left Out: 1003.593 ± 220.976 χ^2/NDF : 51.6/21

Right Out: 787.007 ± 590.388 χ^2/NDF : 11.2/18

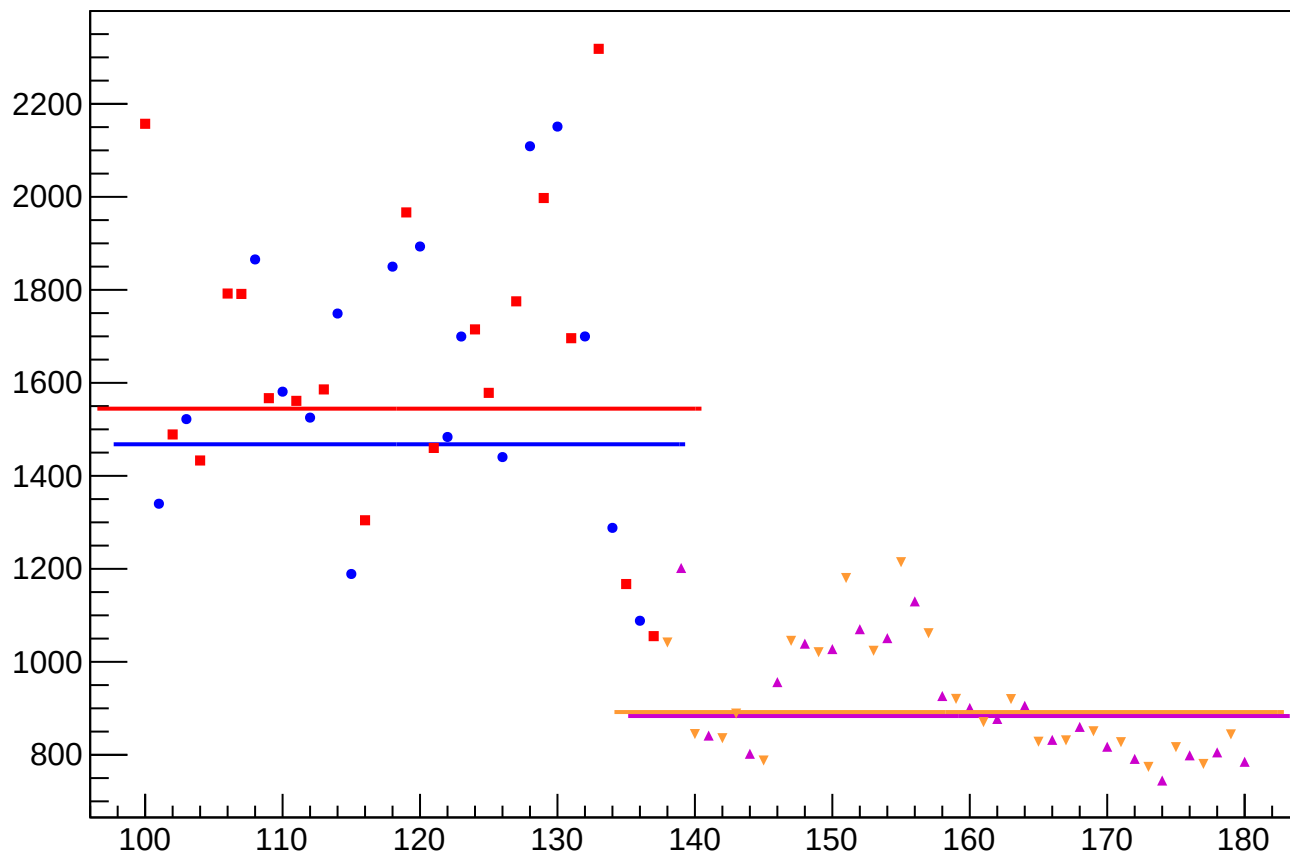
Left In: 53.944 ± 219.992 χ^2/NDF : 27.3/20

+ sign 1006.336 ± 206.698 χ^2/NDF : 72.6/38

All: 573.672 ± 145.962 χ^2/NDF : 121.2/78

- sign 143.318 ± 206.145 χ^2/NDF : 39.9/39

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 892.028+/-0.156 χ^2/NDF : 513285.4/21

Right Out: 1544.513+/-0.417 χ^2/NDF : 451805.9/18

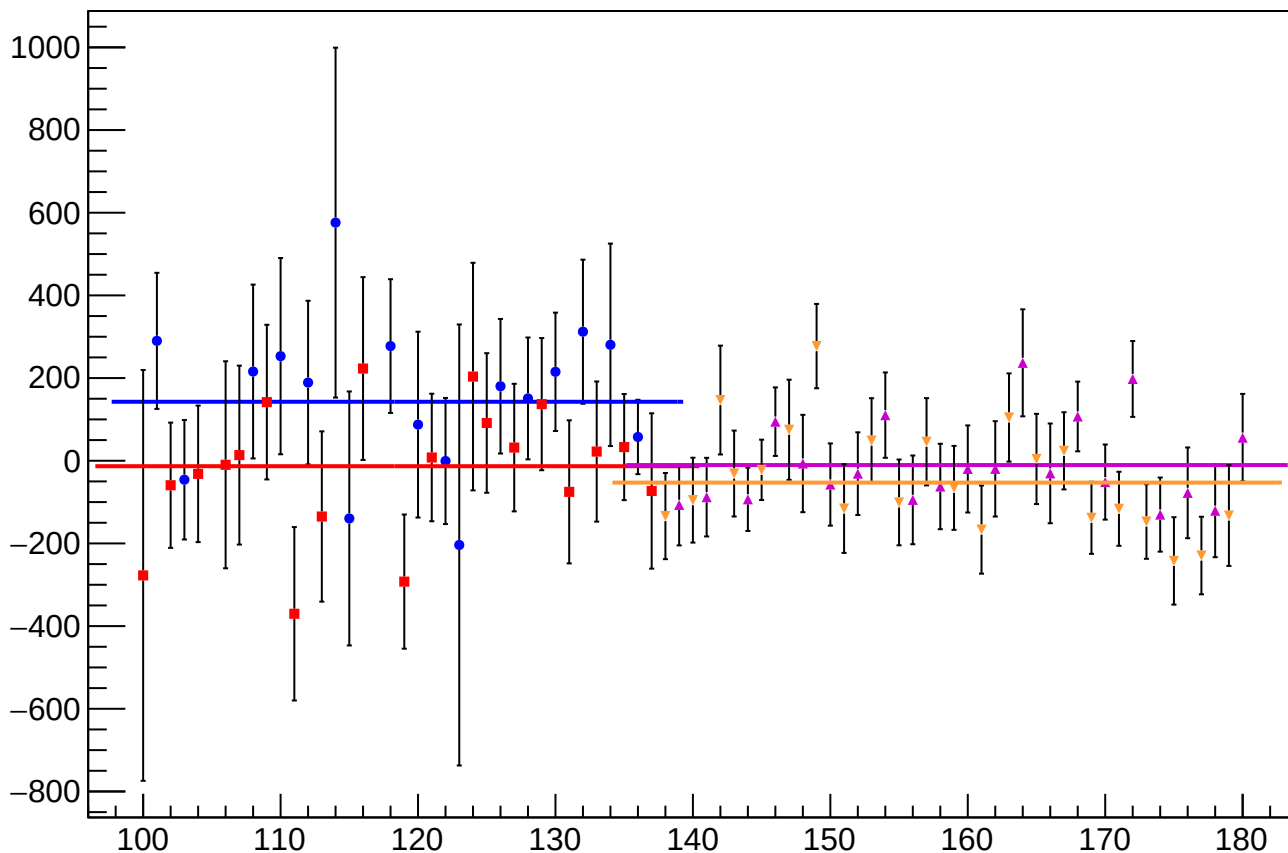
Left In: 883.473+/-0.156 χ^2/NDF : 524077.7/20

+ sign 964.045+/-0.146 χ^2/NDF : 2769386.6/38

All: 964.056+/-0.103 χ^2/NDF : 5946908.5/78

- sign 964.066+/-0.146 χ^2/NDF : 3177521.9/39

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -52.808 $\pm$ 21.444 χ^2 /NDF:31.3/21

Right Out: -13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

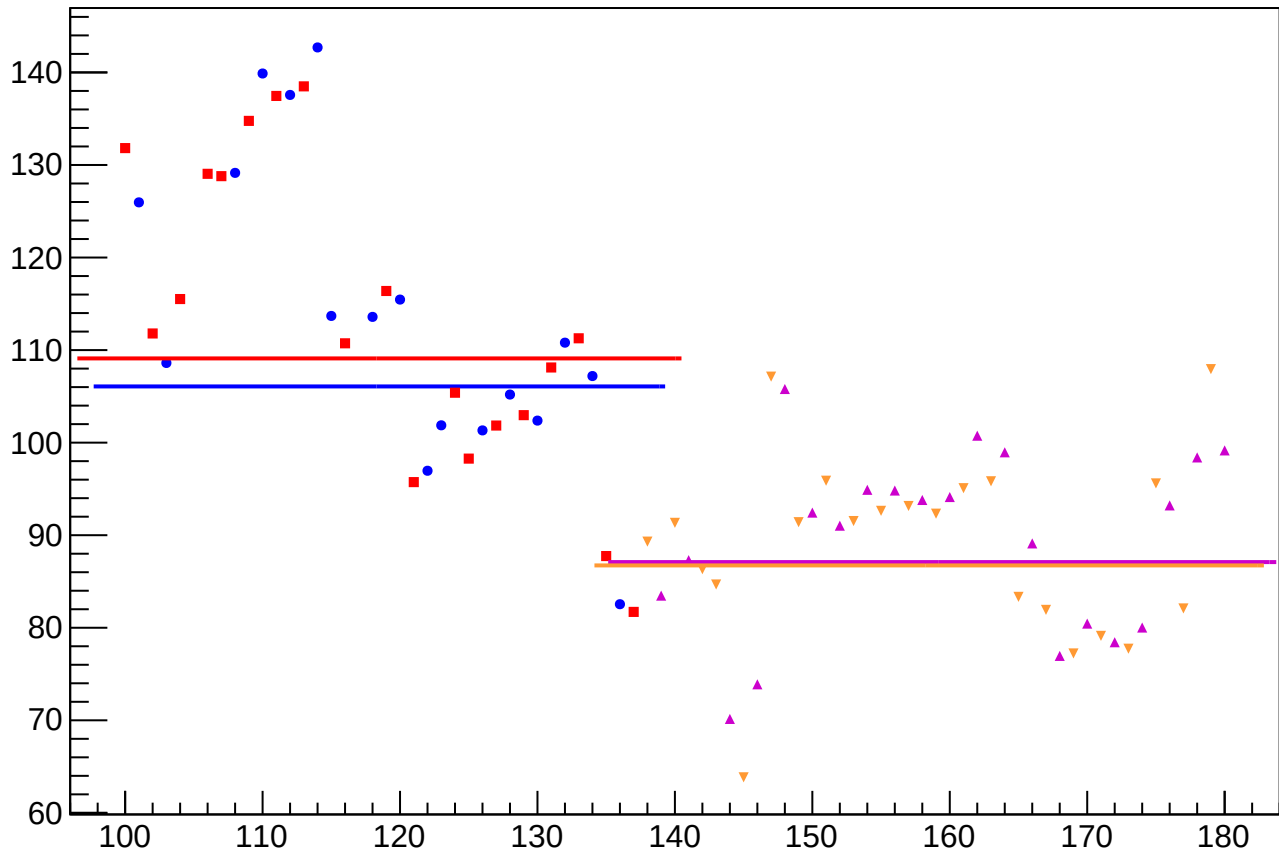
Left In: -10.417 $\pm$ 21.676 χ^2 /NDF:21.4/20

+ sign -11.807 $\pm$ 19.063 χ^2 /NDF: 58.1/38

All: -11.412 $\pm$ 13.529 χ^2 /NDF: 90.3/78

- sign -11.011 $\pm$ 19.203 χ^2 /NDF: 32.3/39

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 86.735 $\pm$ 0.015 χ^2 /NDF: 474324.5/21

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

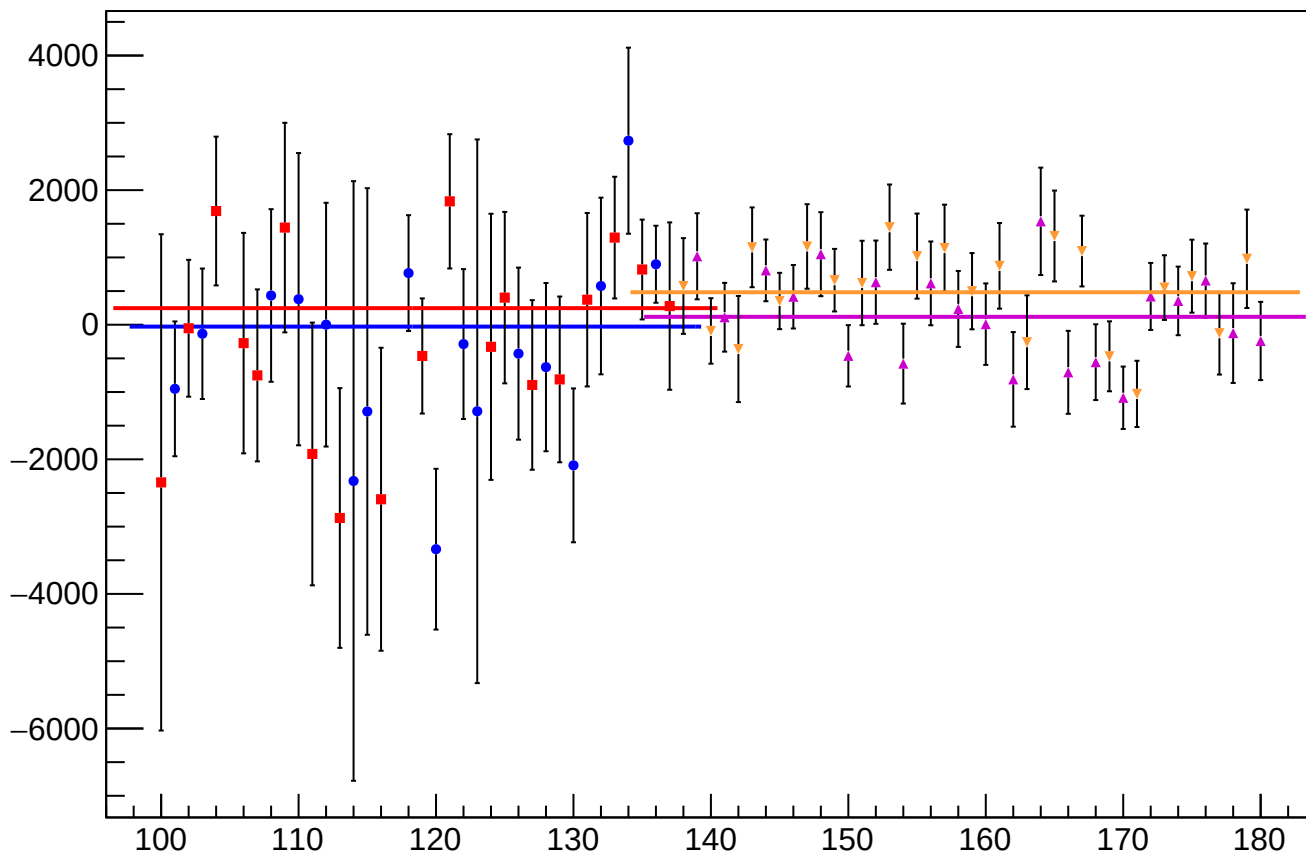
Left In: 87.095 $\pm$ 0.015 χ^2 /NDF: 417559.5/20

+ sign 90.791 $\pm$ 0.013 χ^2 /NDF: 1133365.1/38

All: 91.307 $\pm$ 0.010 χ^2 /NDF: 2282814.1/78

- sign 91.830 $\pm$ 0.014 χ^2 /NDF: 1146500.3/39

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 482.683 ± 122.160 χ^2/NDF : 28.2/21

Right Out: 246.386 ± 279.451 χ^2/NDF : 15.9/18

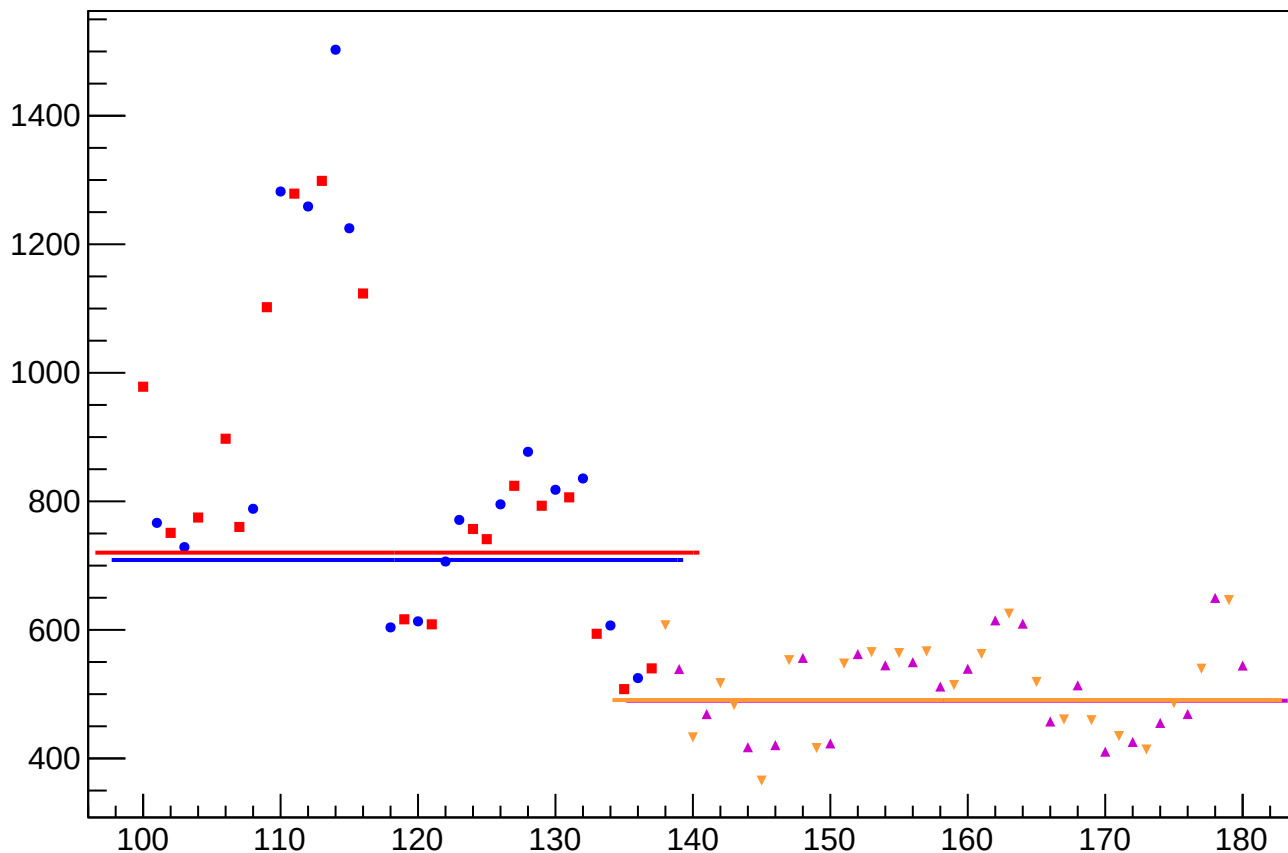
Left In: 117.359 ± 122.342 χ^2/NDF : 28.2/20

+ sign 402.830 ± 112.203 χ^2/NDF : 51.5/38

All: 270.317 ± 79.293 χ^2/NDF : 98.5/78

- sign 138.111 ± 112.073 χ^2/NDF : 44.2/39

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 490.807 $\pm$ 0.086 χ^2 /NDF: 734534.6/21

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

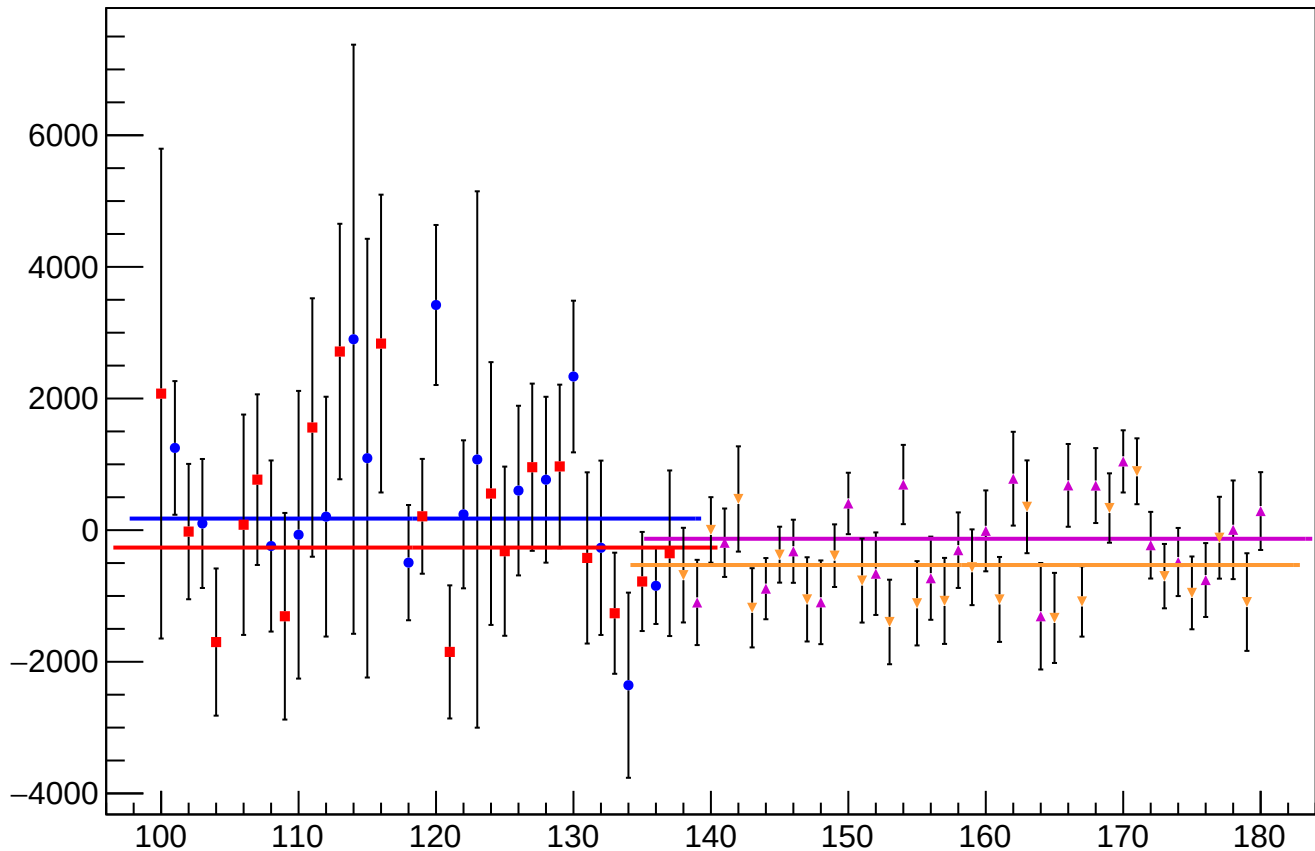
Left In: 489.793 $\pm$ 0.087 χ^2 /NDF: 585095.6/20

+ sign 524.893 $\pm$ 0.079 χ^2 /NDF: 2523841.2/38

All: 525.873 $\pm$ 0.056 χ^2 /NDF: 5150103.6/78

- sign 526.852 $\pm$ 0.079 χ^2 /NDF: 2625957.2/39

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 ± 287.218 χ^2/NDF : 19.7/16

Left Out: -529.651 ± 124.166 χ^2/NDF : 25.5/21

Right Out: -264.622 ± 283.074 χ^2/NDF : 14.8/18

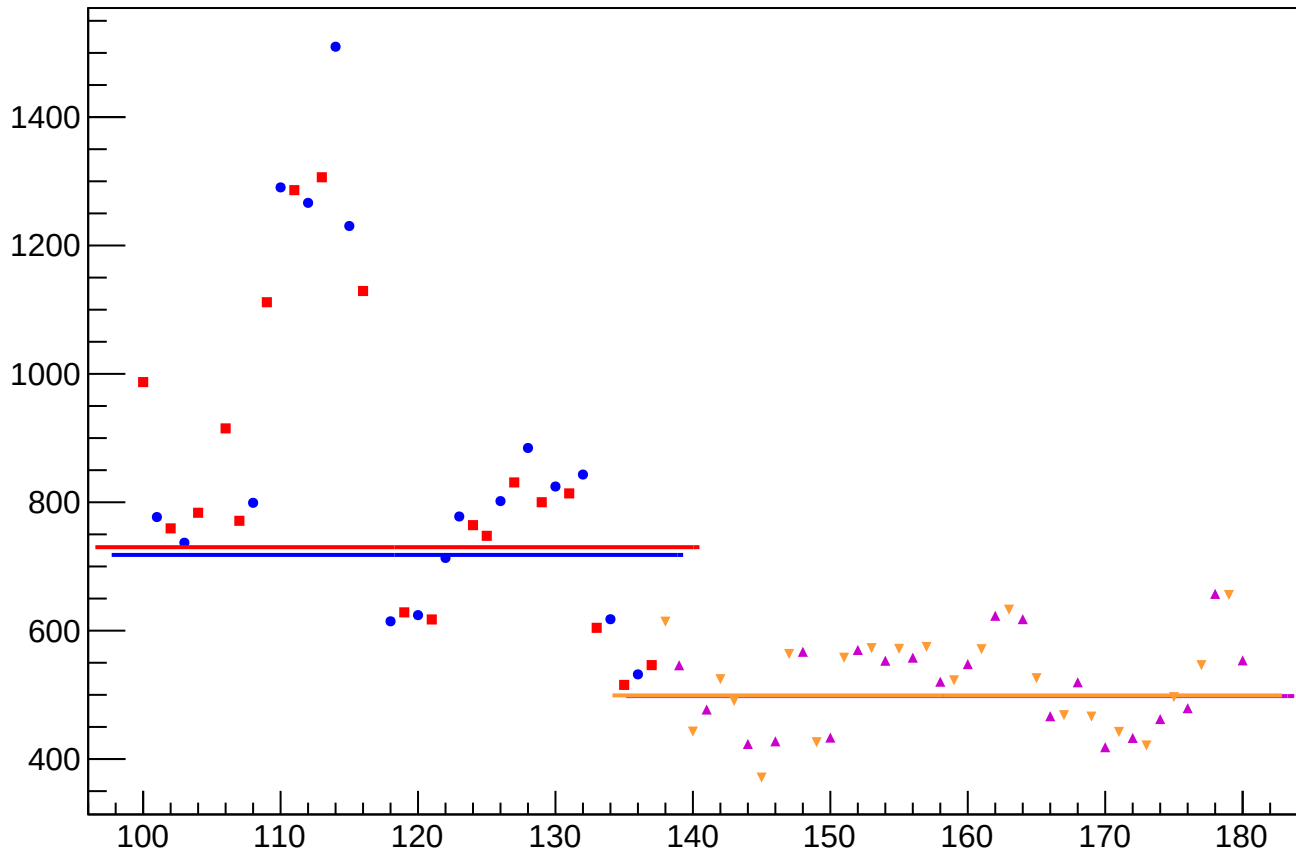
Left In: -131.072 ± 124.365 χ^2/NDF : 28.2/20

+ sign -418.562 ± 113.972 χ^2/NDF : 50.3/38

All: -285.491 ± 80.551 χ^2/NDF : 96.3/78

- sign -152.679 ± 113.861 χ^2/NDF : 43.2/39

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 499.102 $\pm$ 0.088 χ^2 /NDF: 718279.0/21

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

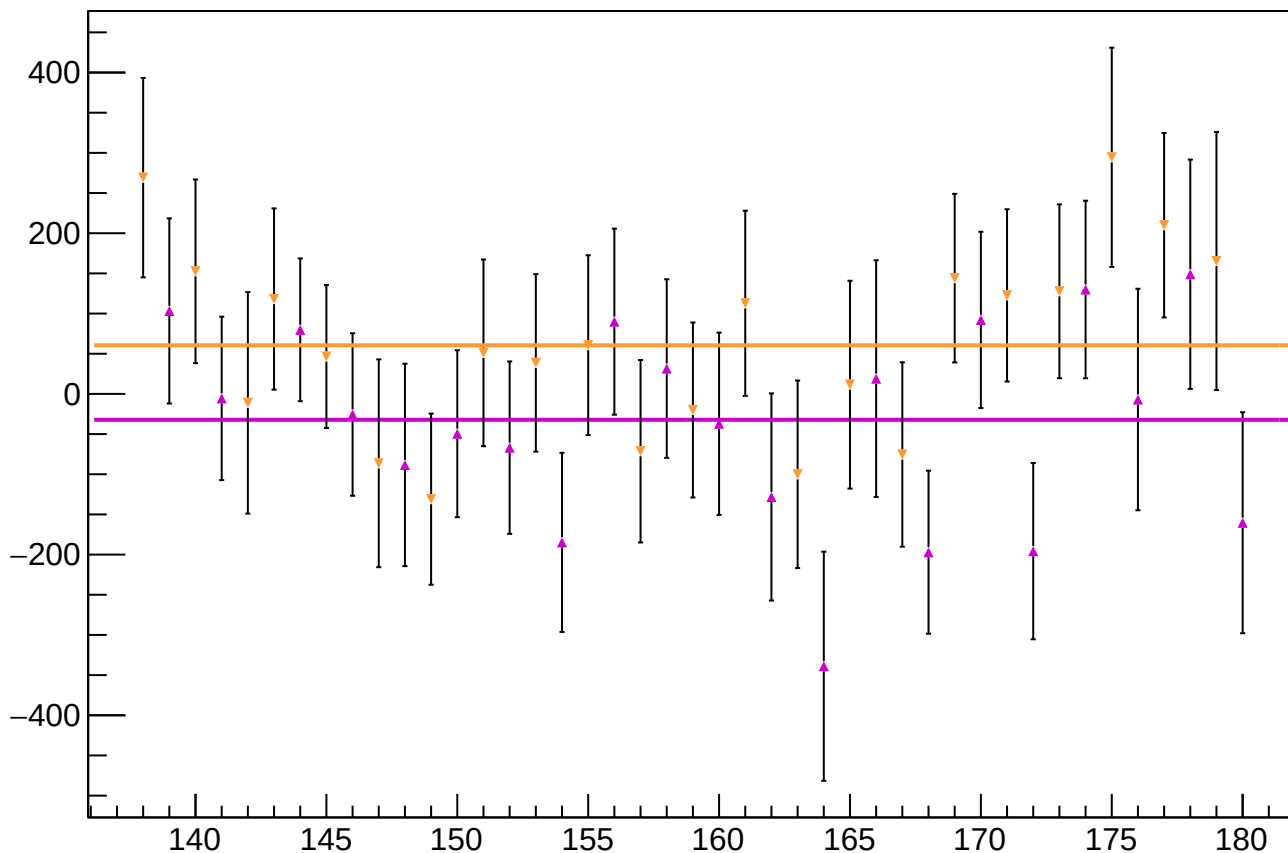
Left In: 498.061 $\pm$ 0.088 χ^2 /NDF: 571132.0/20

+ sign 533.566 $\pm$ 0.081 χ^2 /NDF: 2475384.7/38

All: 534.580 $\pm$ 0.057 χ^2 /NDF: 5054522.6/78

- sign 535.593 $\pm$ 0.081 χ^2 /NDF: 2578821.2/39

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 60.530 $\pm$ 24.538 χ^2 /NDF:20.6/21

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

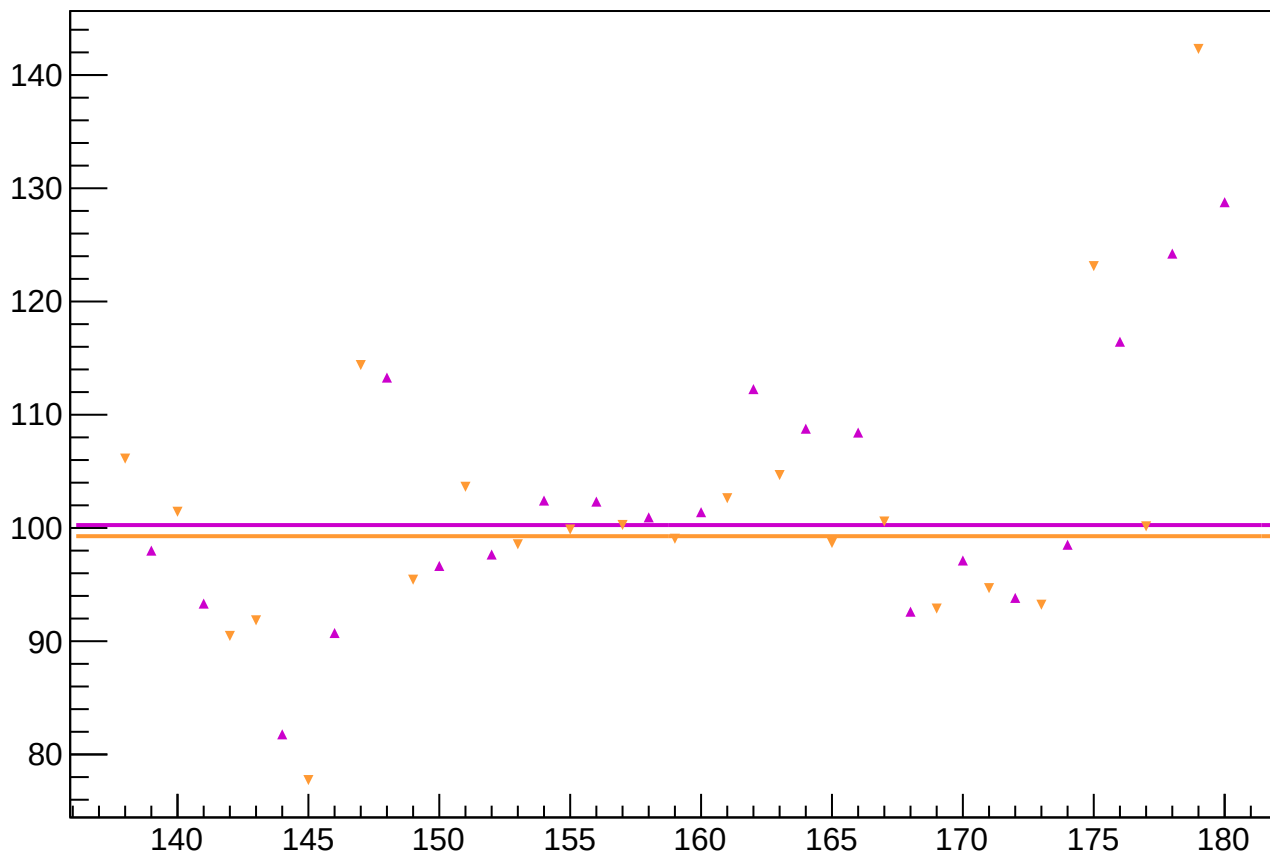
Left In: -32.196 $\pm$ 24.941 χ^2 /NDF:22.8/20

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

All: 14.924 $\pm$ 17.492 χ^2 /NDF: 50.4/42

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

reg_asym_sam_1548_avg_rms vs Slug



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

Left Out: 99.274+/-0.017 χ^2/NDF : 402416.8/21

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

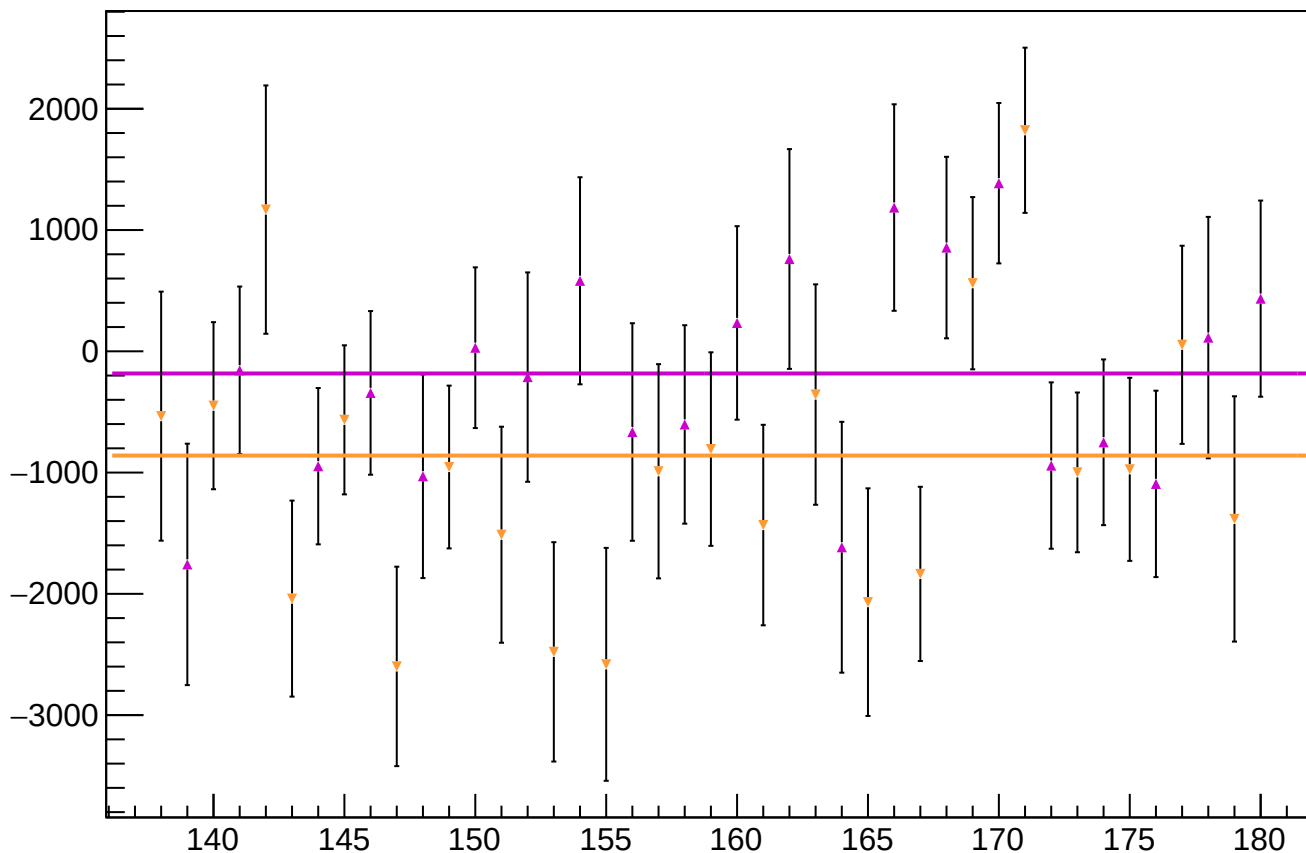
Left In: 100.256+/-0.018 χ^2/NDF : 361882.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 99.757+/-0.012 χ^2/NDF : 765873.2/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -859.736+/-169.695 χ^2/NDF : 43.6/21

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

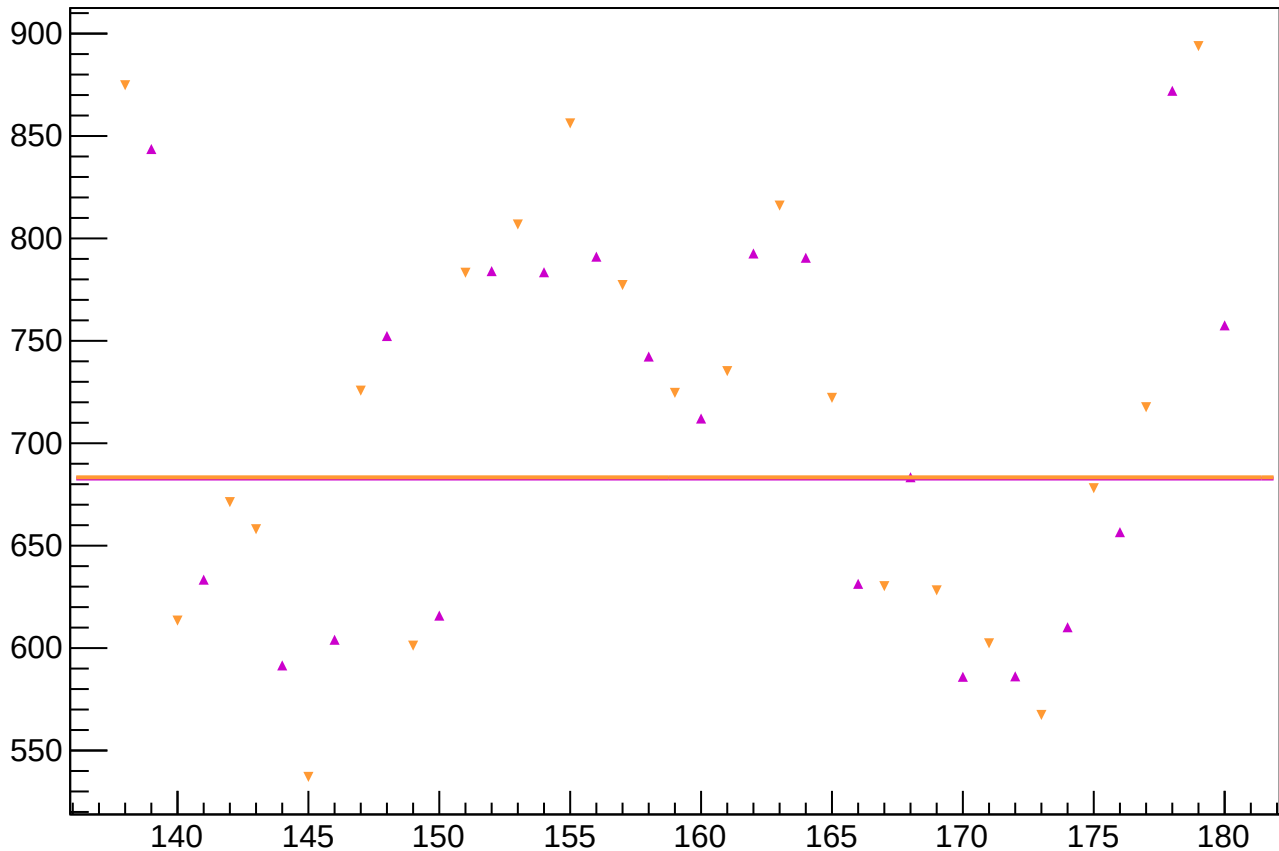
Left In: -182.758+/-170.185 χ^2/NDF : 23.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -522.223+/-120.166 χ^2/NDF : 75.4/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 683.358+/-0.120 χ^2/NDF : 653467.3/21

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

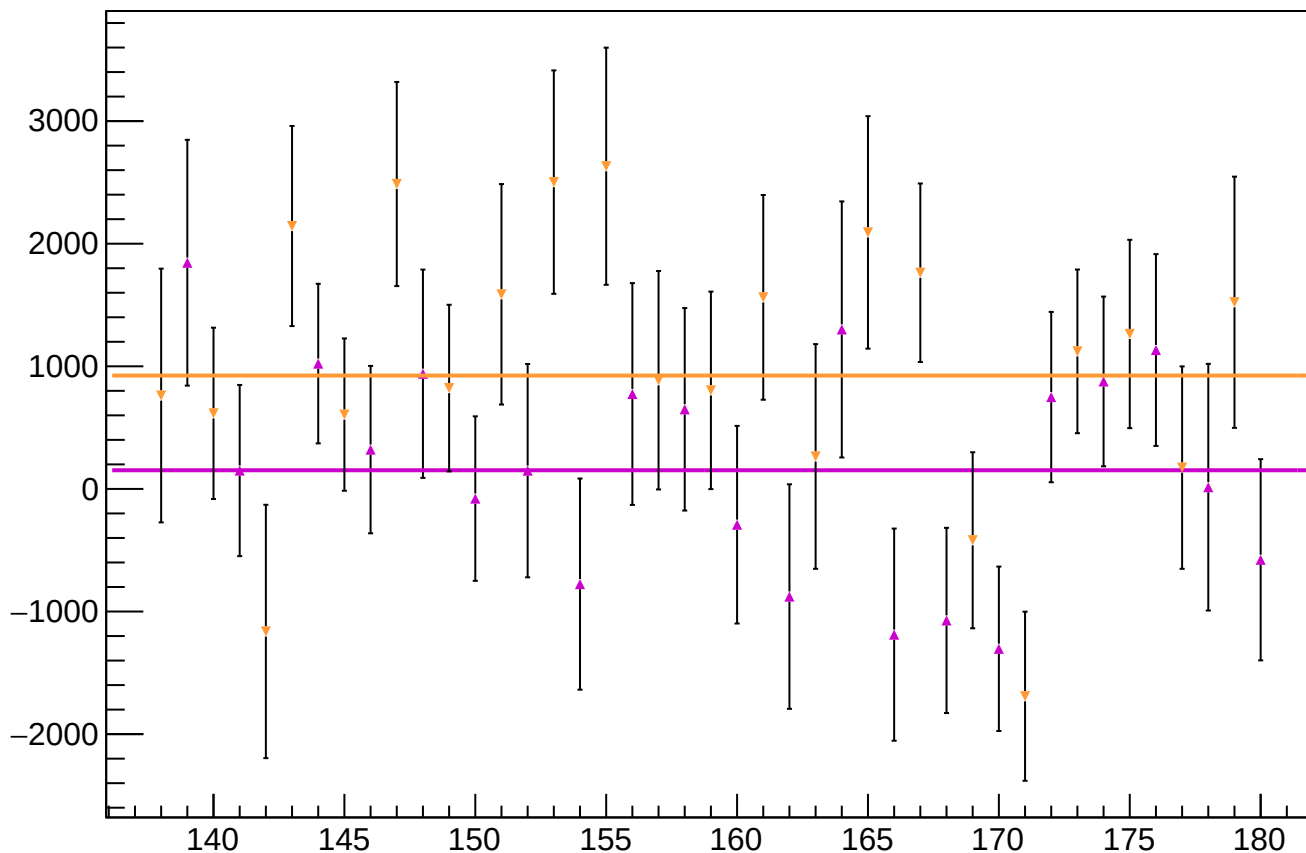
Left In: 682.791+/-0.120 χ^2/NDF : 516866.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 683.075+/-0.085 χ^2/NDF : 1170344.8/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_mean vs Slug



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

Left Out: 924.680 $\pm$ 171.596 χ^2 /NDF:40.3/21

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

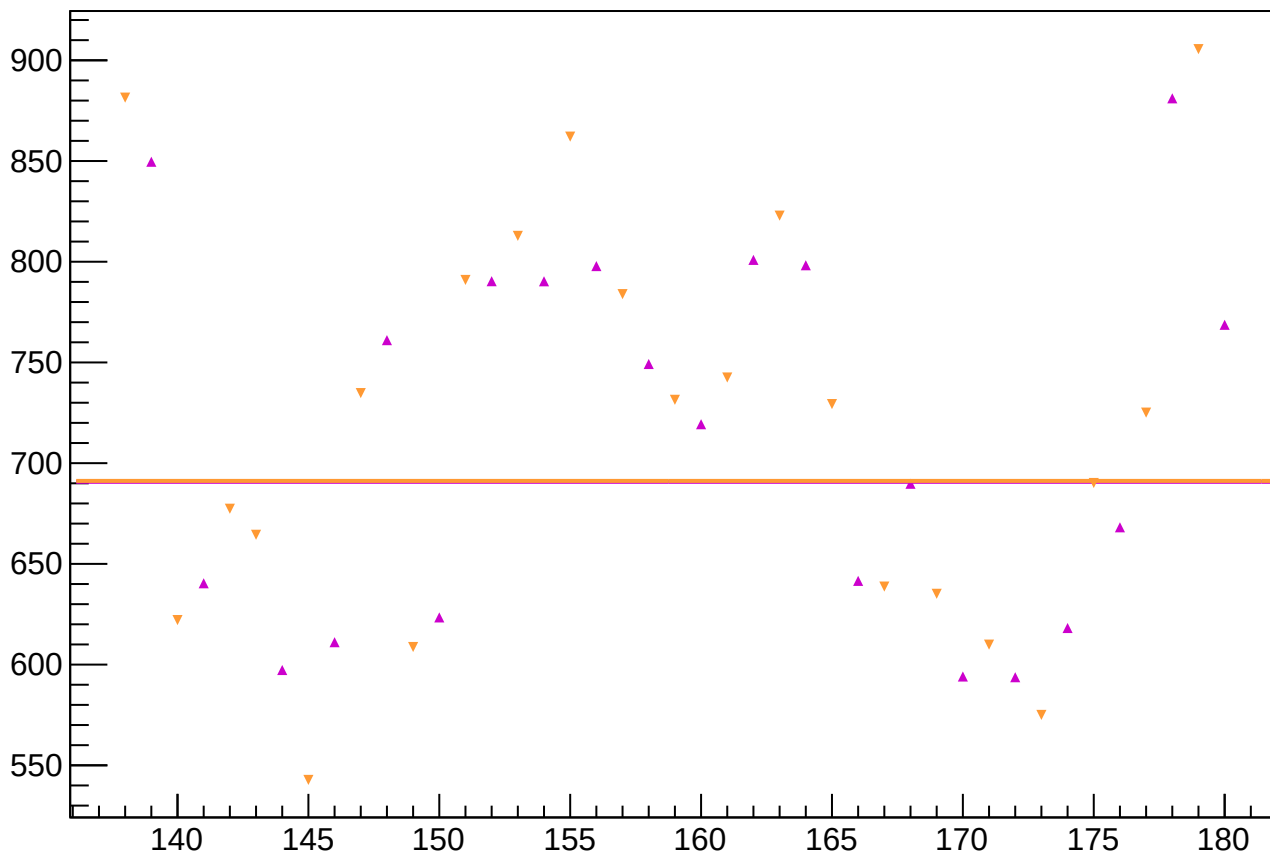
Left In: 152.231 $\pm$ 172.133 χ^2 /NDF:24.4/20

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

All: 539.662 $\pm$ 121.526 χ^2 /NDF: 74.8/42

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

asym_sam_1548_avg_rms vs Slug



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

Left Out: 691.196+/-0.121 χ^2/NDF : 642258.0/21

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

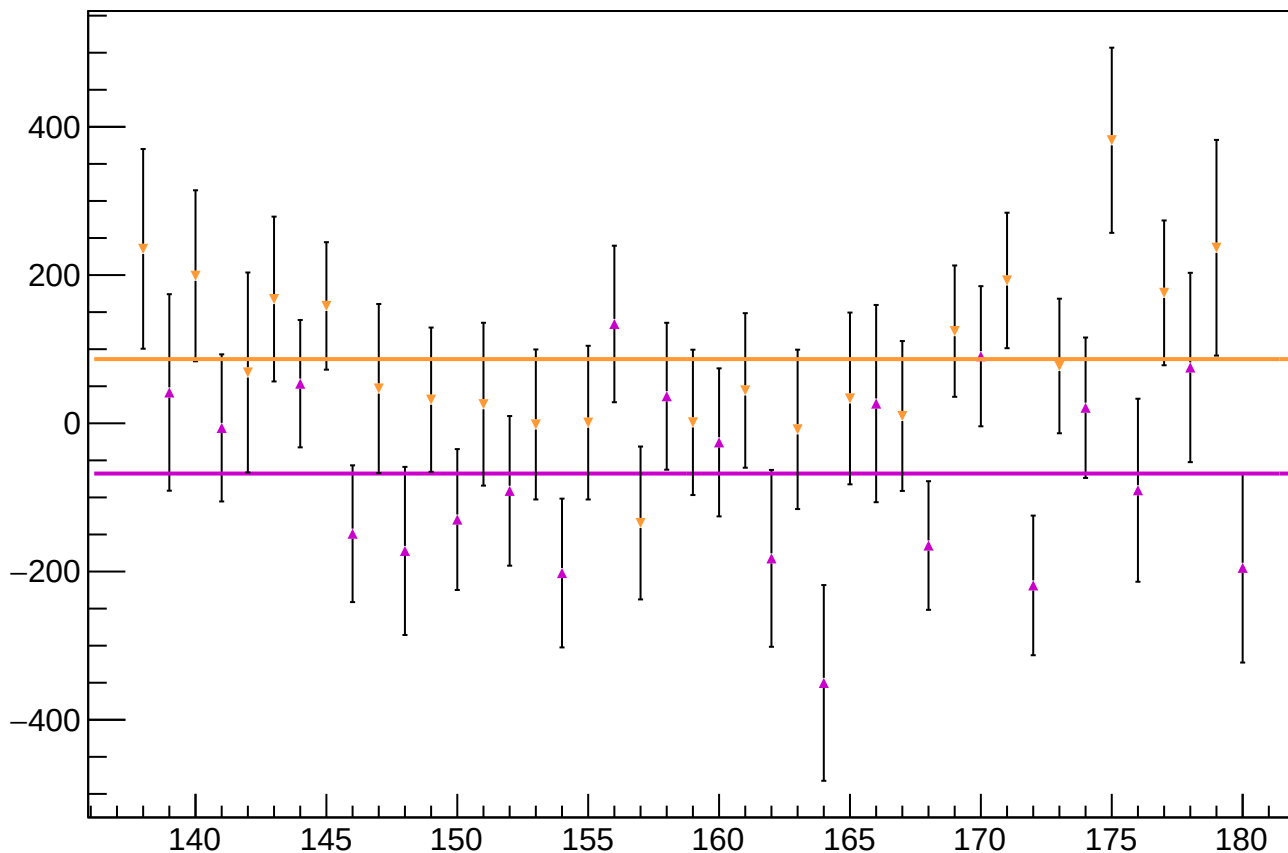
Left In: 690.742+/-0.122 χ^2/NDF : 506985.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 690.970+/-0.086 χ^2/NDF : 1149250.6/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 86.627+/-22.413 χ^2/NDF : 21.7/21

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

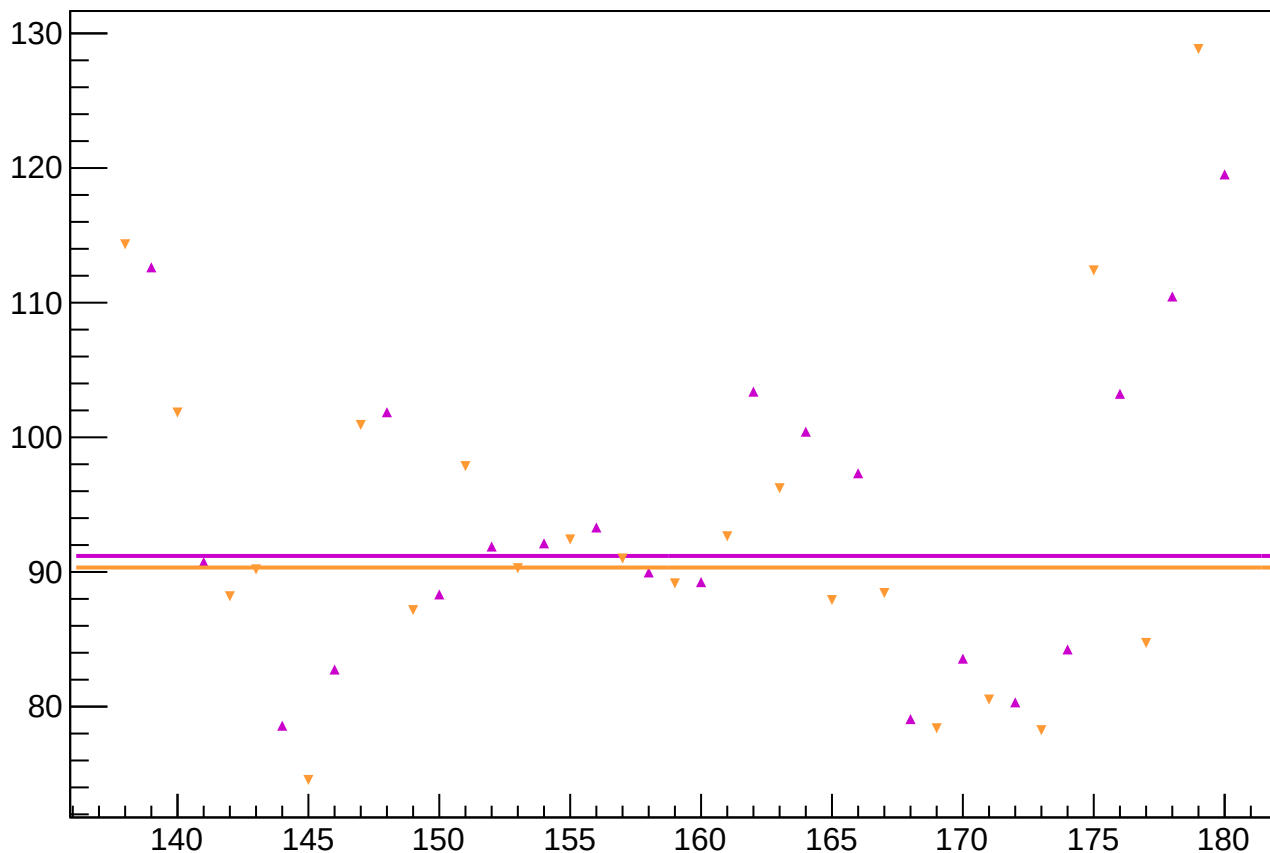
Left In: -67.784+/-22.763 χ^2/NDF : 27.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 10.618+/-15.971 χ^2/NDF : 72.7/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 90.330+/-0.016 χ^2/NDF :493530.9/21

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

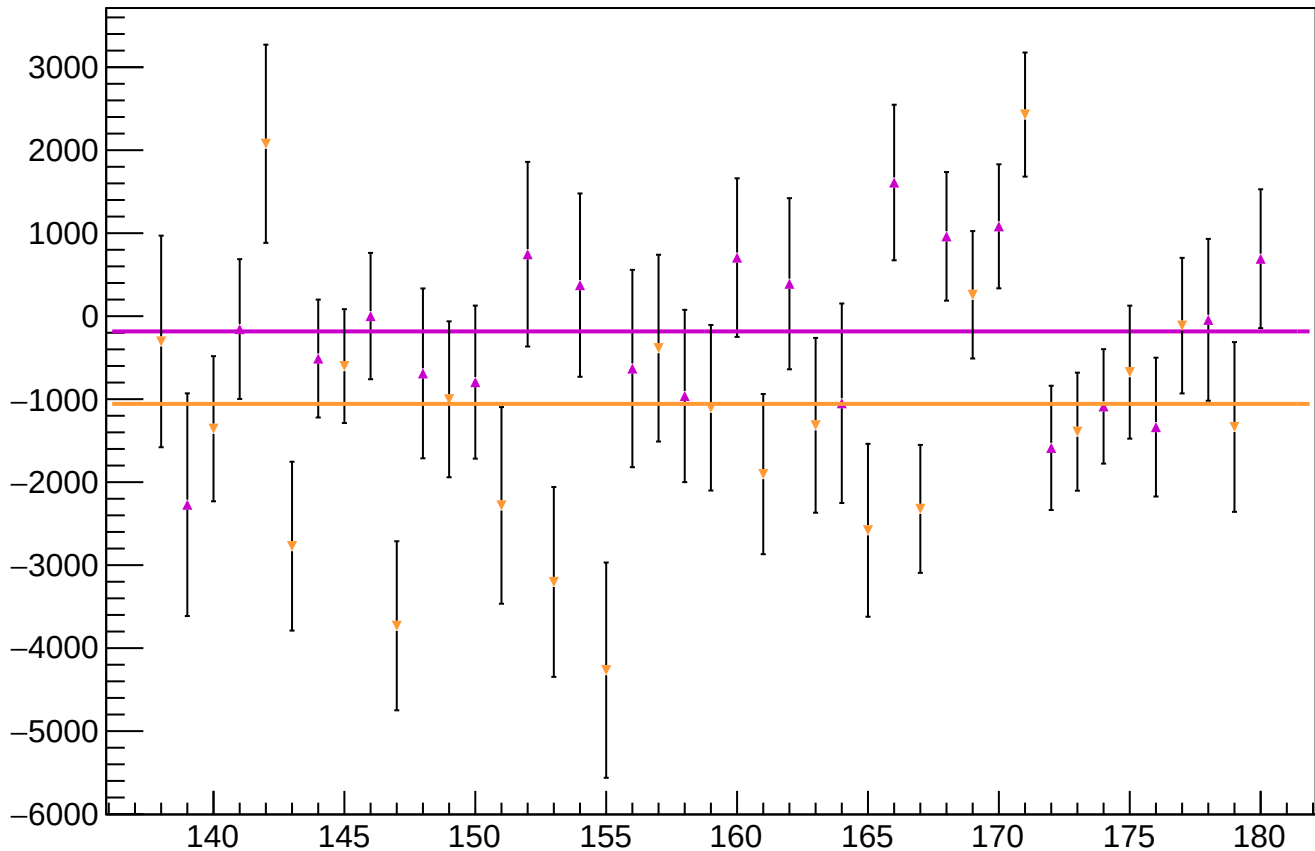
Left In: 91.191+/-0.016 χ^2/NDF :420959.9/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 90.754+/-0.011 χ^2/NDF : 915942.5/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1056.718+/-197.141 χ^2/NDF : 60.8/21

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

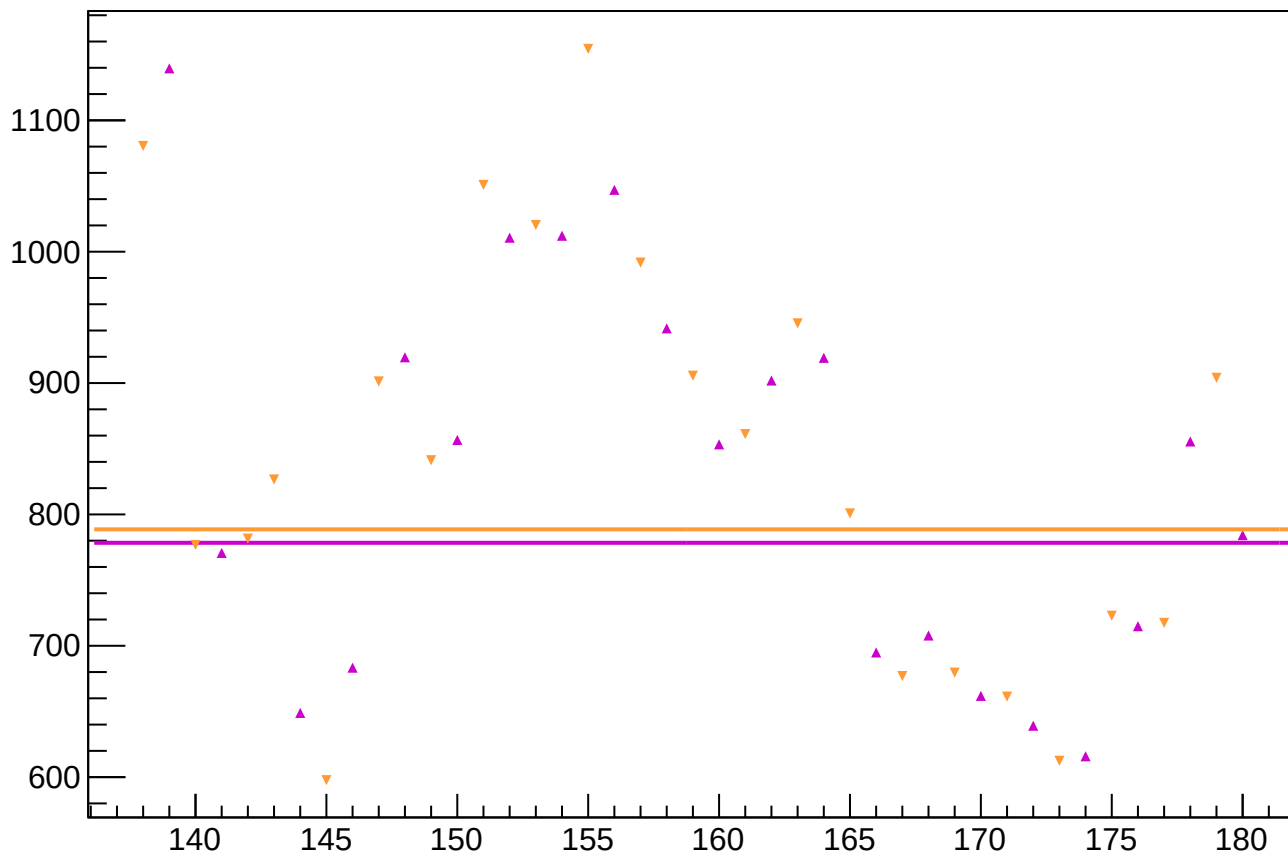
Left In: -183.611+/-195.415 χ^2/NDF : 23.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -616.327+/-138.786 χ^2/NDF : 94.4/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 788.626+/-0.139 χ^2/NDF :1098537.5/21

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

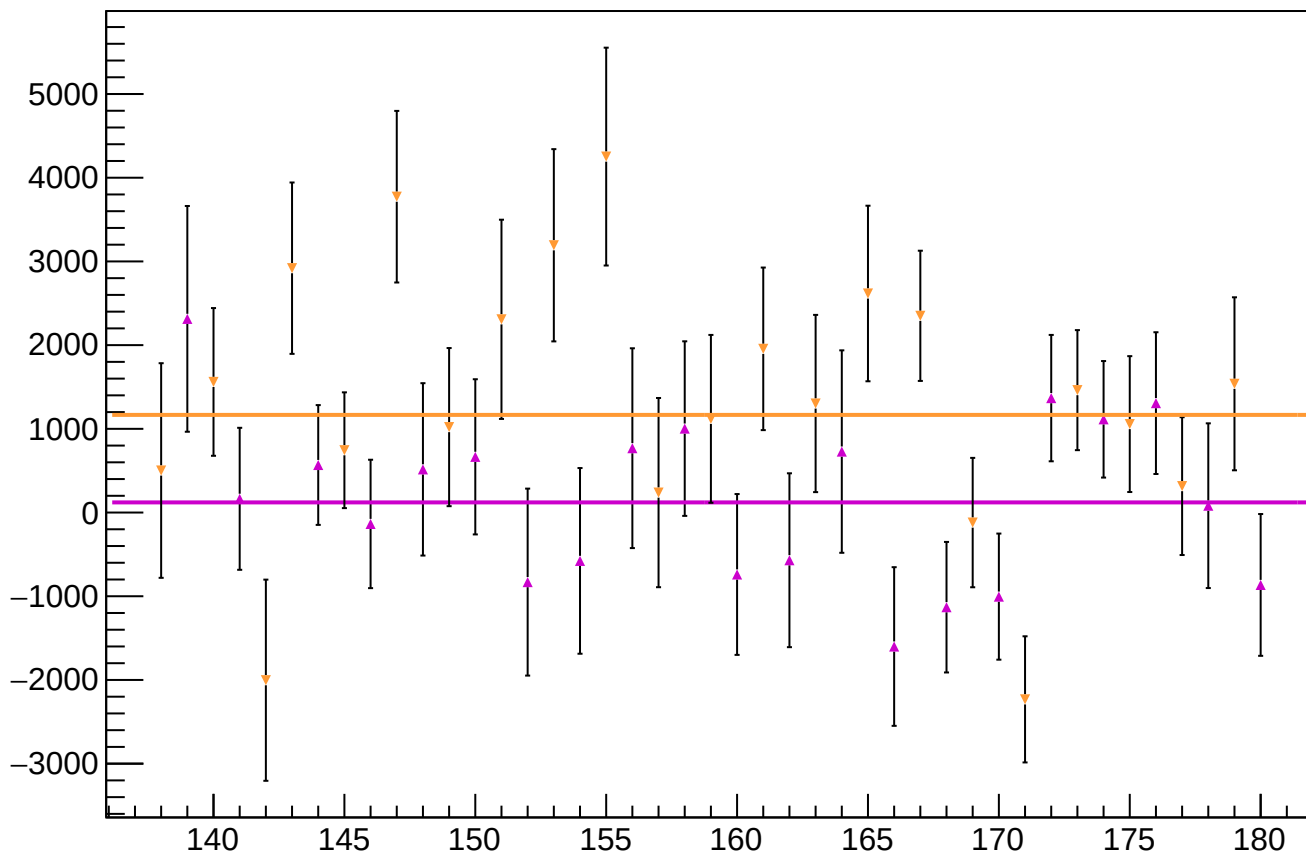
Left In: 778.398+/-0.138 χ^2/NDF :977710.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 783.467+/-0.098 χ^2/NDF : 2078963.6/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_mean vs Slug



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

Left Out: 1166.534+/-198.570 χ^2/NDF : 57.0/21

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

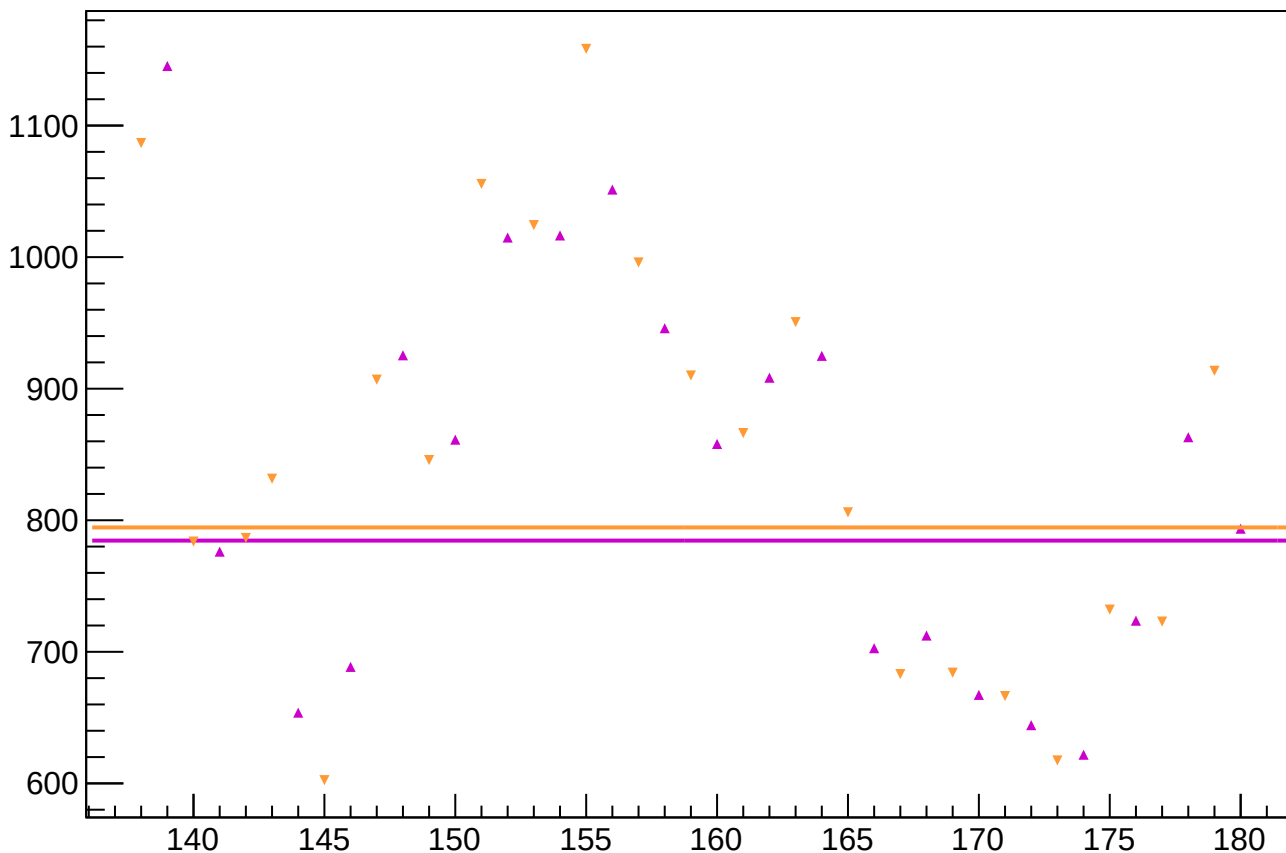
Left In: 121.059+/-196.908 χ^2/NDF : 23.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 639.404+/-139.819 χ^2/NDF : 94.4/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_rms vs Slug



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

Left Out: 794.543+/-0.140 χ^2/NDF :1083615.6/21

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

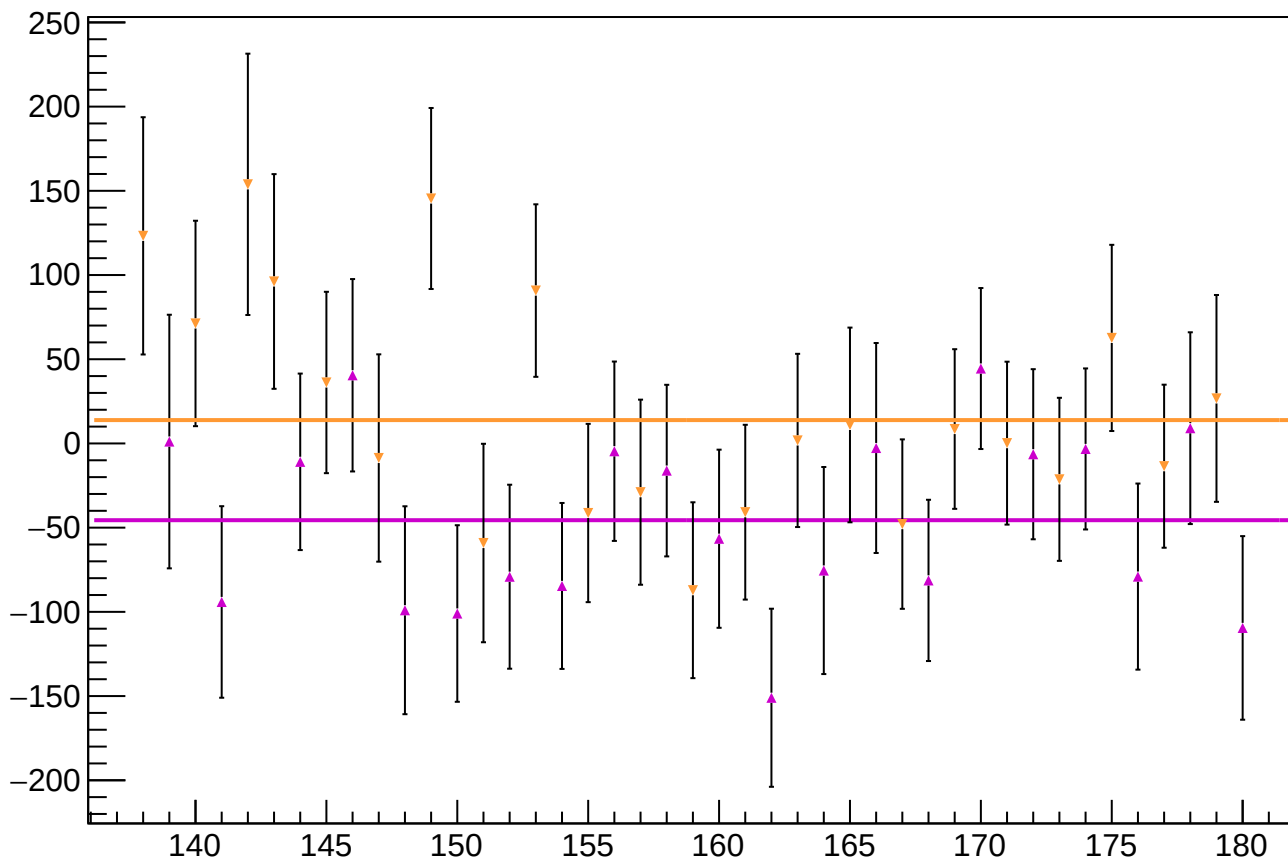
Left In: 784.540+/-0.139 χ^2/NDF :962267.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 789.499+/-0.099 χ^2/NDF : 2048442.0/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 13.866+/-11.685 χ^2/NDF : 28.2/21

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

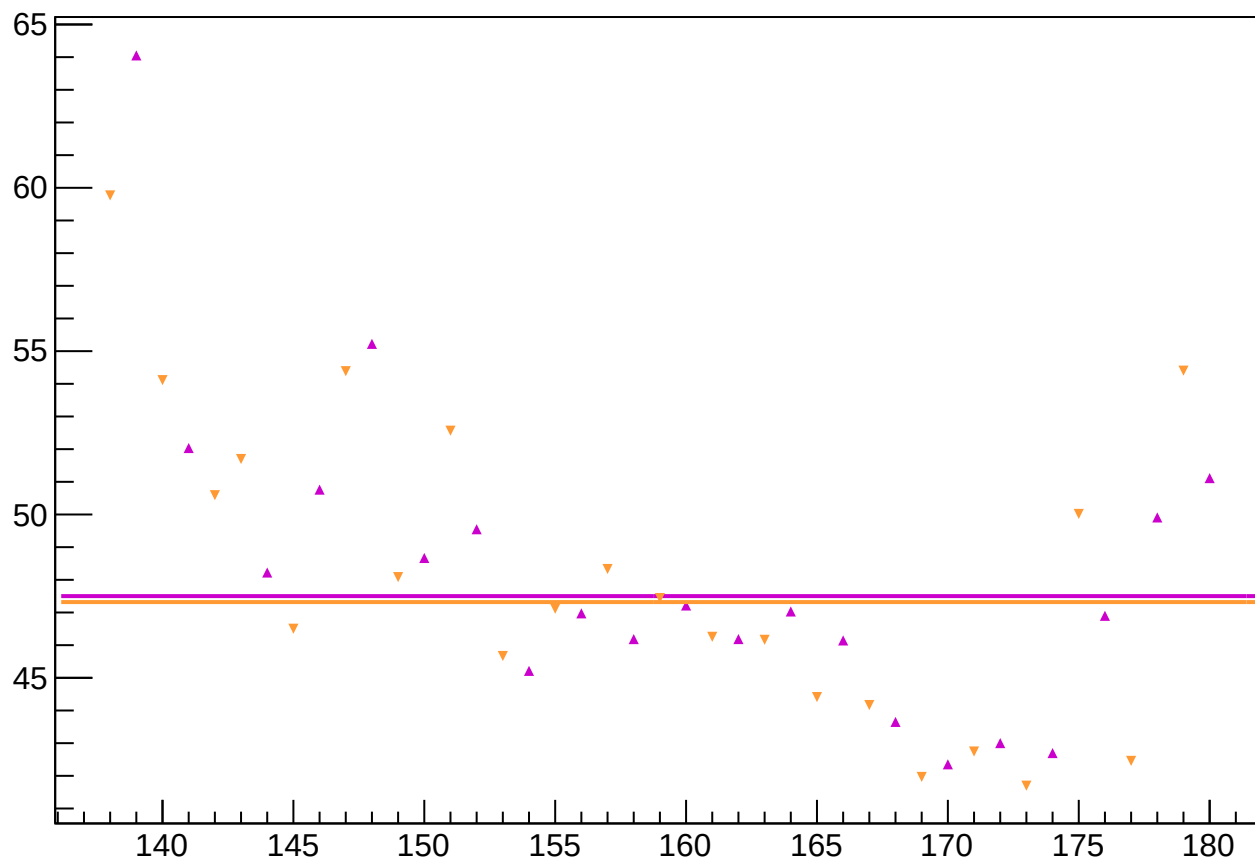
Left In: -45.573+/-11.801 χ^2/NDF : 20.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.561+/-8.303 χ^2/NDF : 61.5/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 47.319+/-0.008 χ^2/NDF :282809.7/21

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

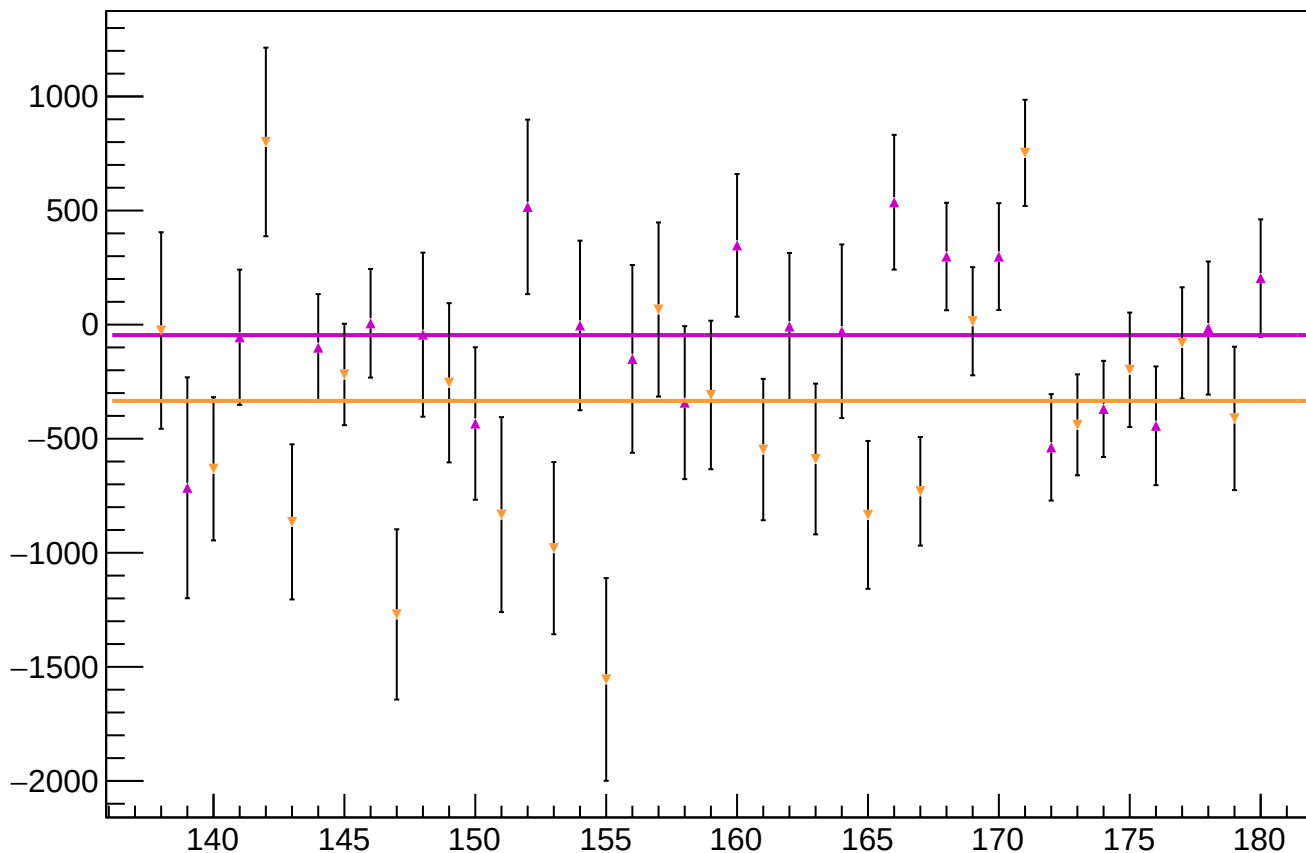
Left In: 47.502+/-0.008 χ^2/NDF :244375.2/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.409+/-0.006 χ^2/NDF : 527427.6/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -334.126 $\pm$ 63.772 χ^2 /NDF:62.8/21

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

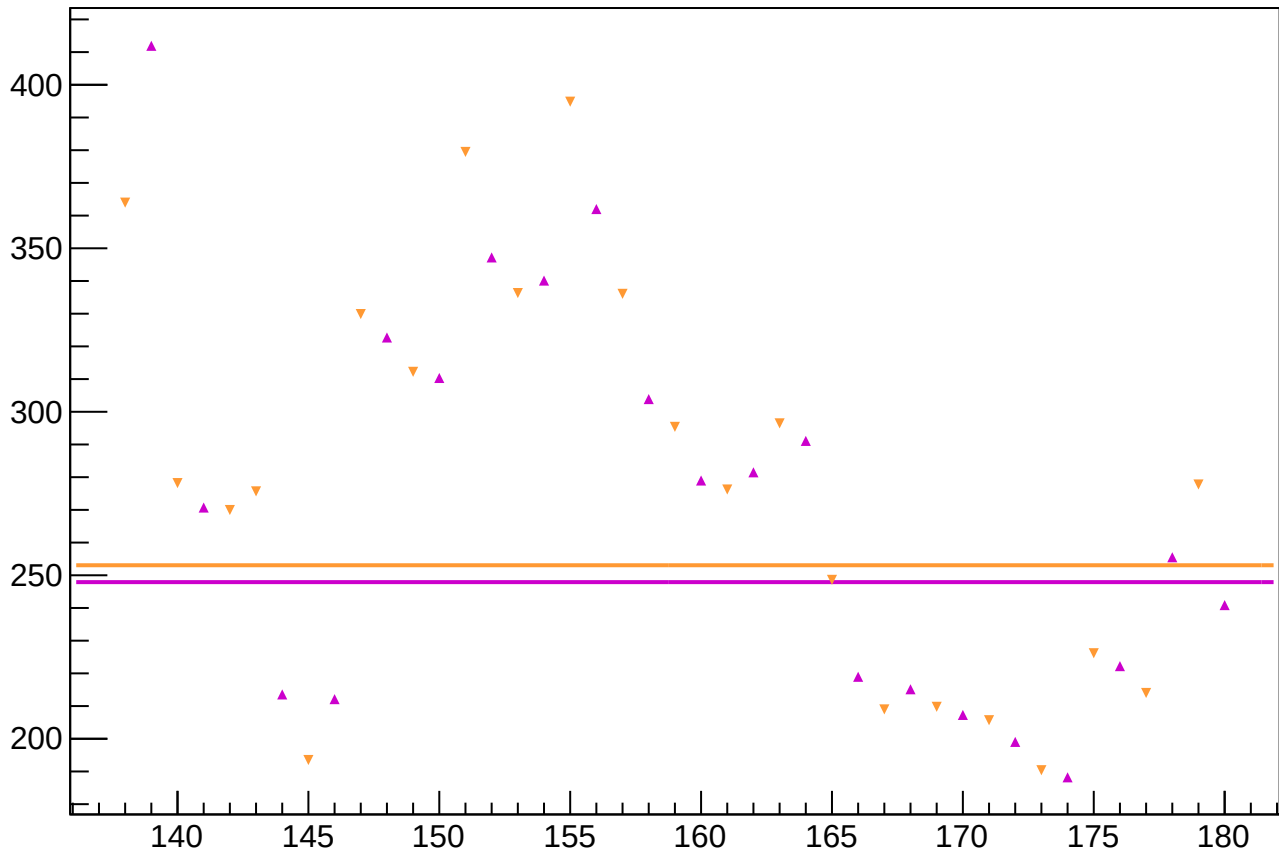
Left In: -45.805 $\pm$ 62.734 χ^2 /NDF:26.3/20

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

All: -187.599 $\pm$ 44.722 χ^2 /NDF: 99.5/42

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

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 253.067+/-0.045 χ^2/NDF :1559666.5/21

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

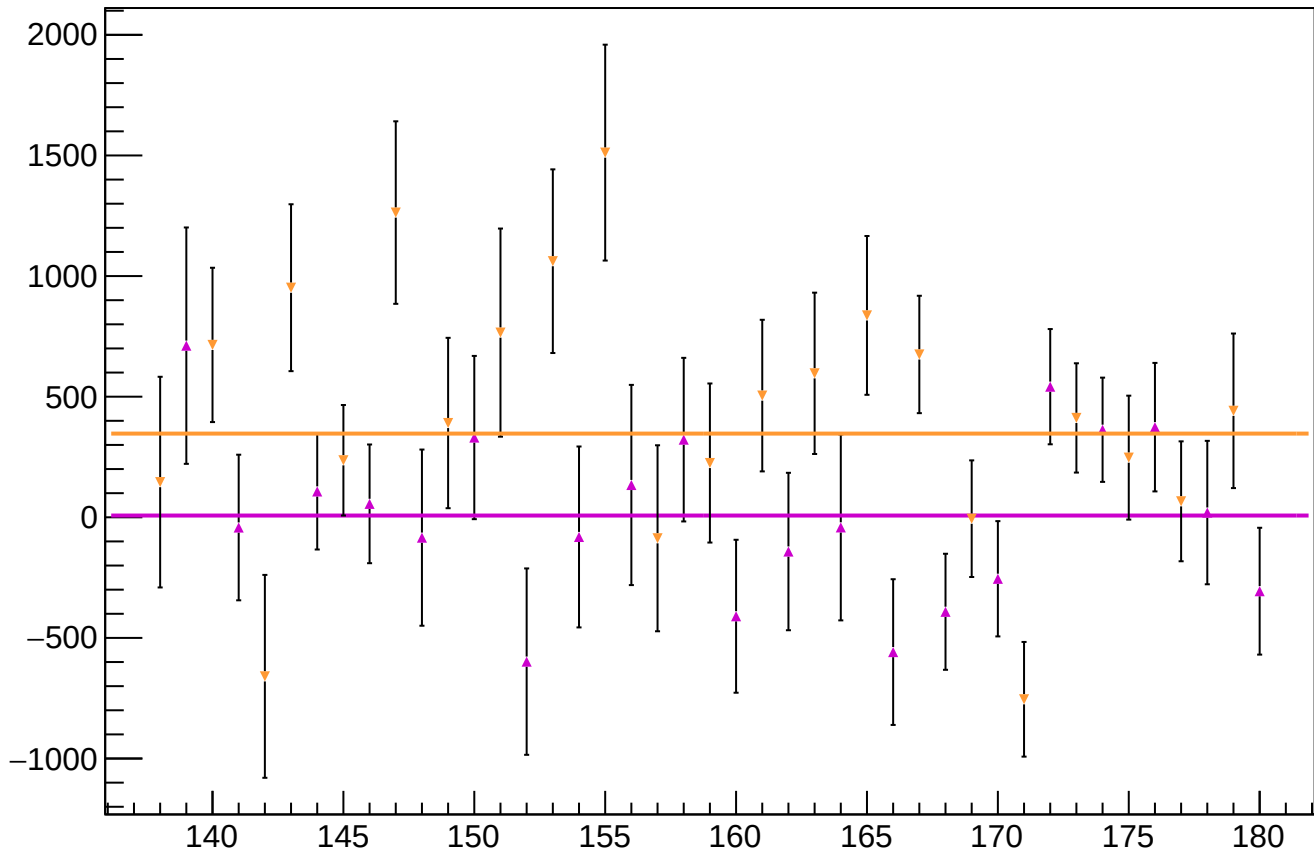
Left In: 247.904+/-0.044 χ^2/NDF :1409425.6/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 250.443+/-0.032 χ^2/NDF : 2975752.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_mean vs Slug



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

Left Out: 346.999 $\pm$ 64.978 χ^2 /NDF:59.1/21

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

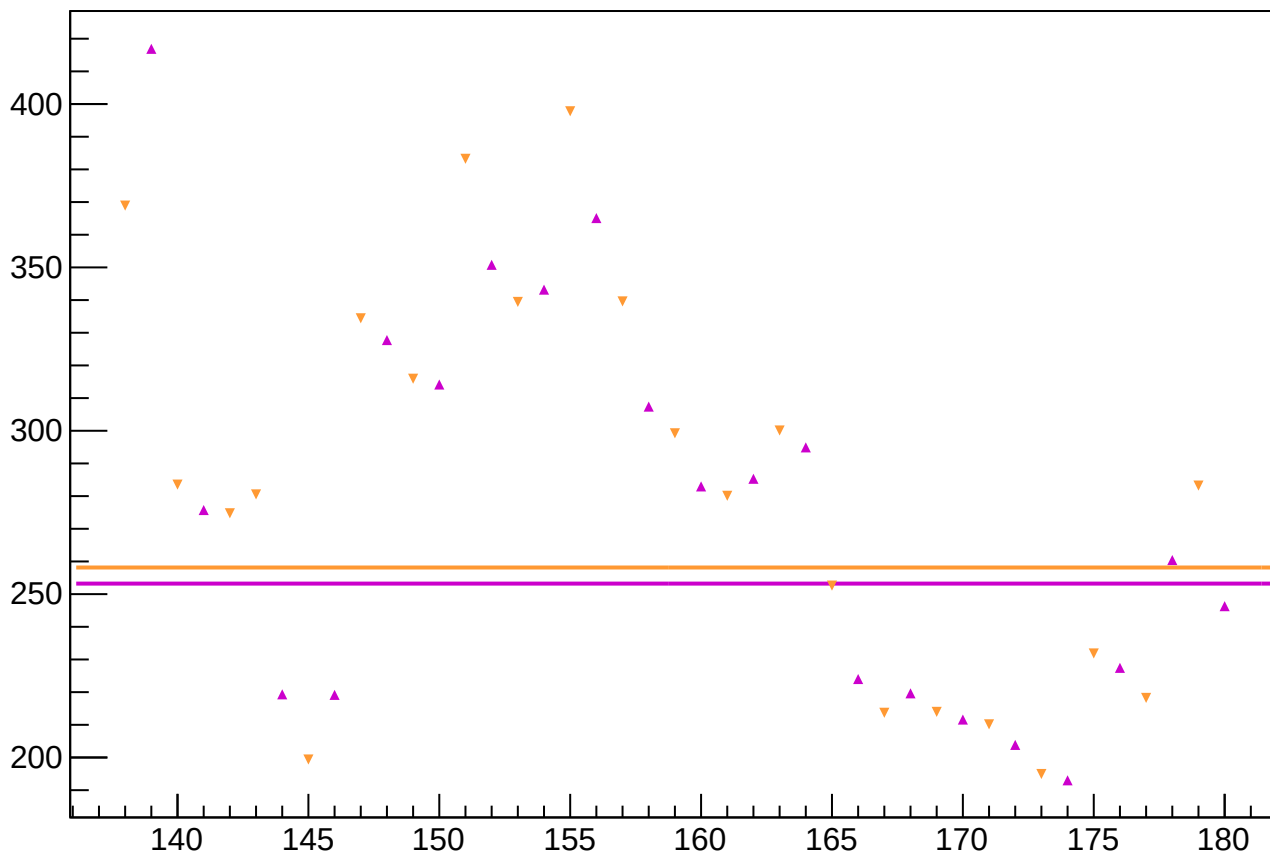
Left In: 7.303 $\pm$ 64.004 χ^2 /NDF:27.2/20

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

All: 174.585 $\pm$ 45.598 χ^2 /NDF: 100.2/42

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

asym_sam_1526_avg_rms vs Slug



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

Left Out: 258.149+/-0.046 χ^2/NDF :1491020.7/21

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

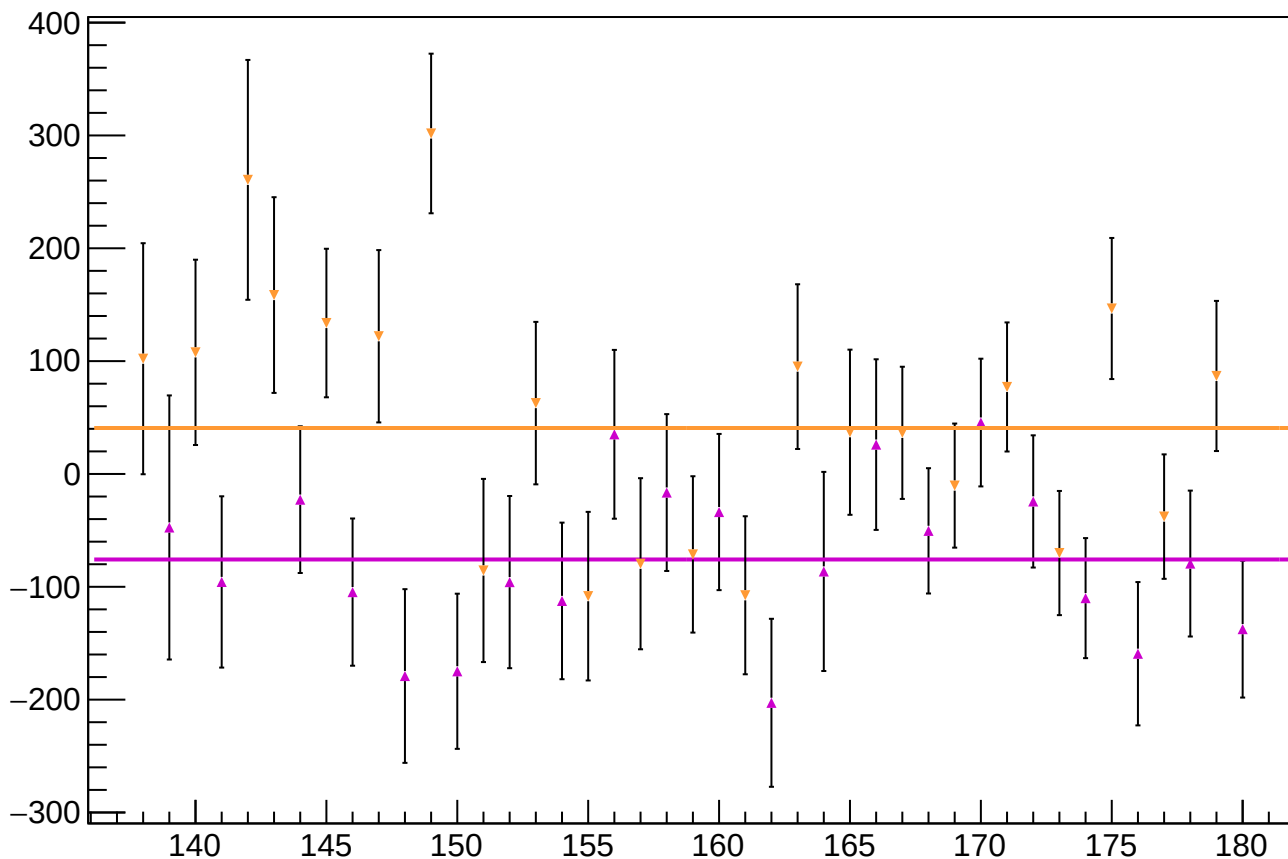
Left In: 253.223+/-0.045 χ^2/NDF :1340285.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 255.649+/-0.032 χ^2/NDF : 2837140.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 40.734 $\pm$ 14.711 χ^2 /NDF: 51.3/21

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

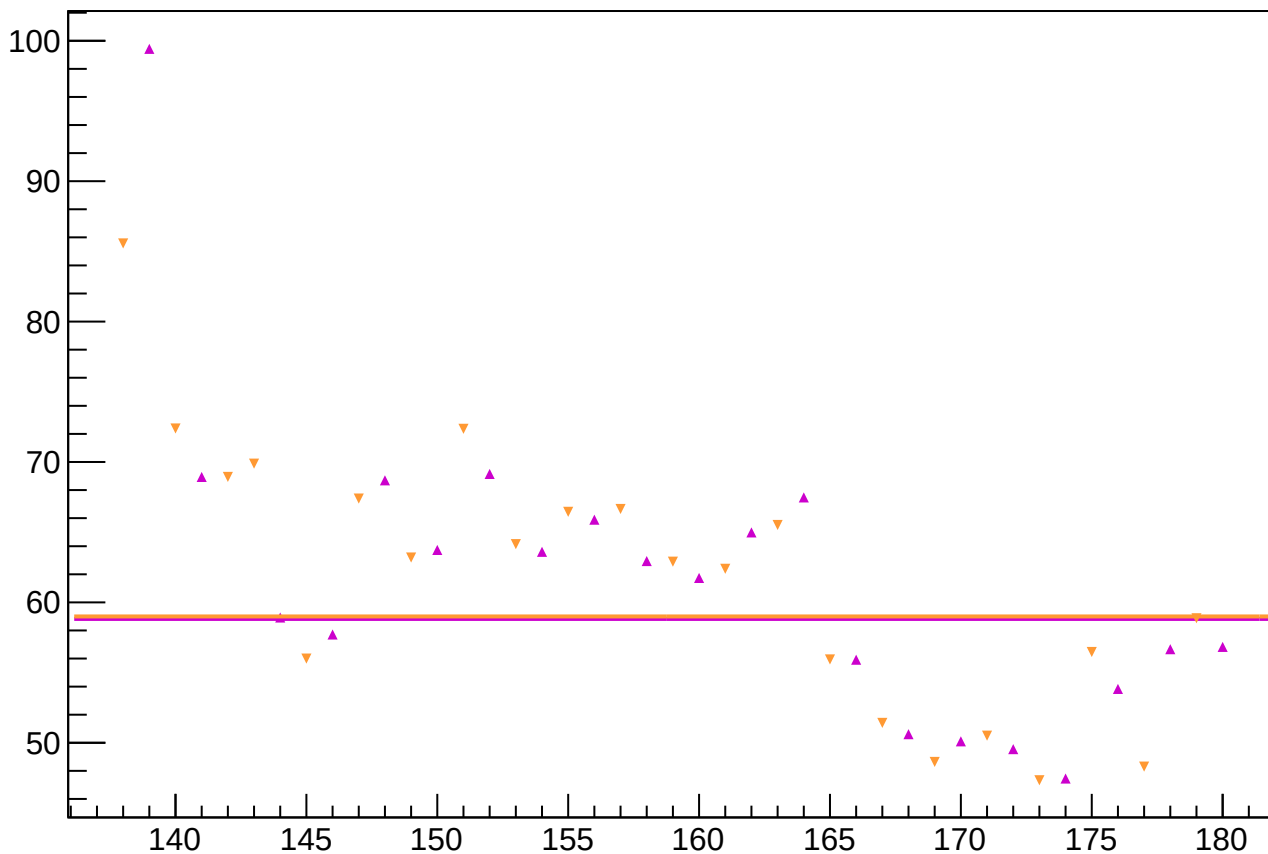
Left In: -75.793 $\pm$ 14.749 χ^2 /NDF: 22.0/20

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

All: -17.379 $\pm$ 10.416 χ^2 /NDF: 104.6/42

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

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 58.998+/-0.010 χ^2/NDF : 724507.0/21

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

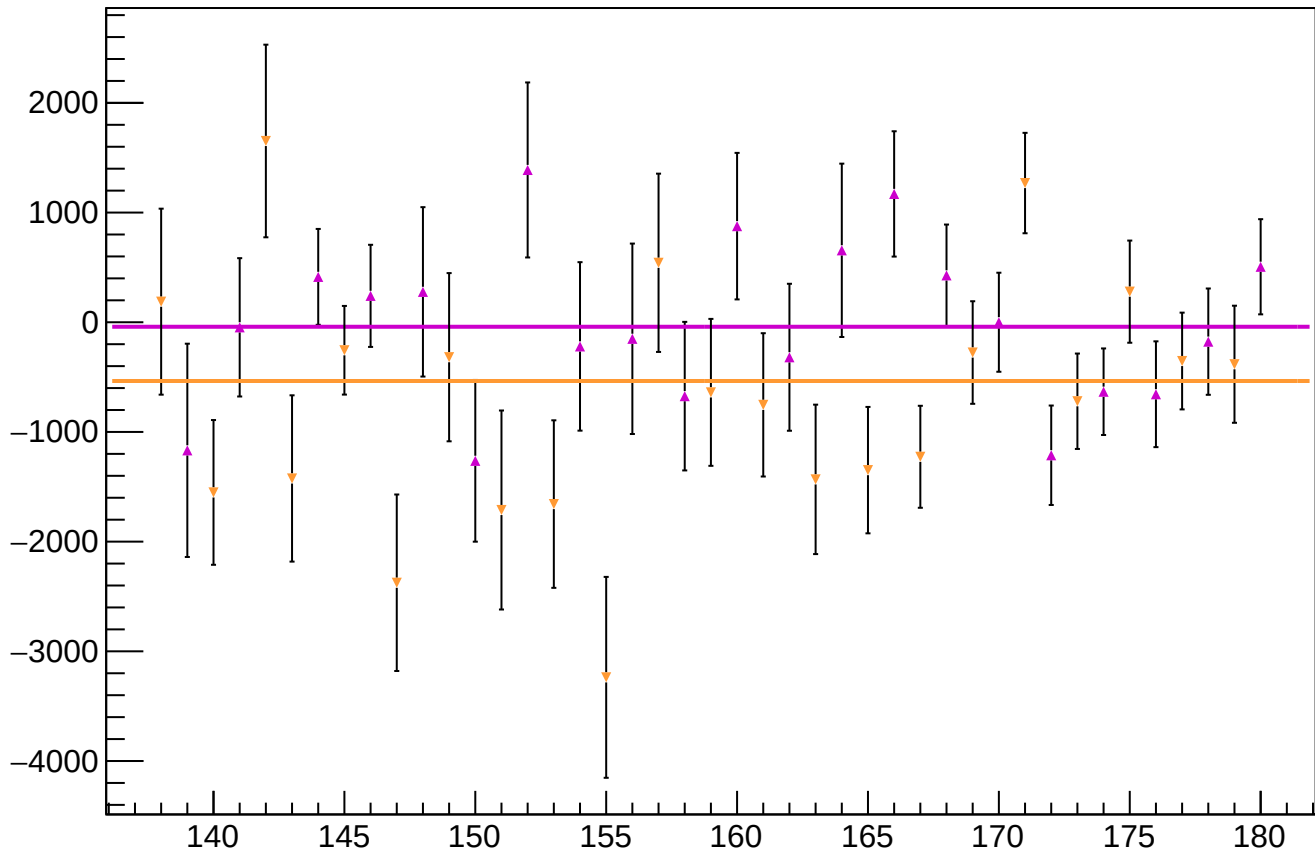
Left In: 58.822+/-0.010 χ^2/NDF : 679866.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 58.910+/-0.007 χ^2/NDF : 1404516.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -535.573+/-125.008 χ^2/NDF : 56.2/21

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

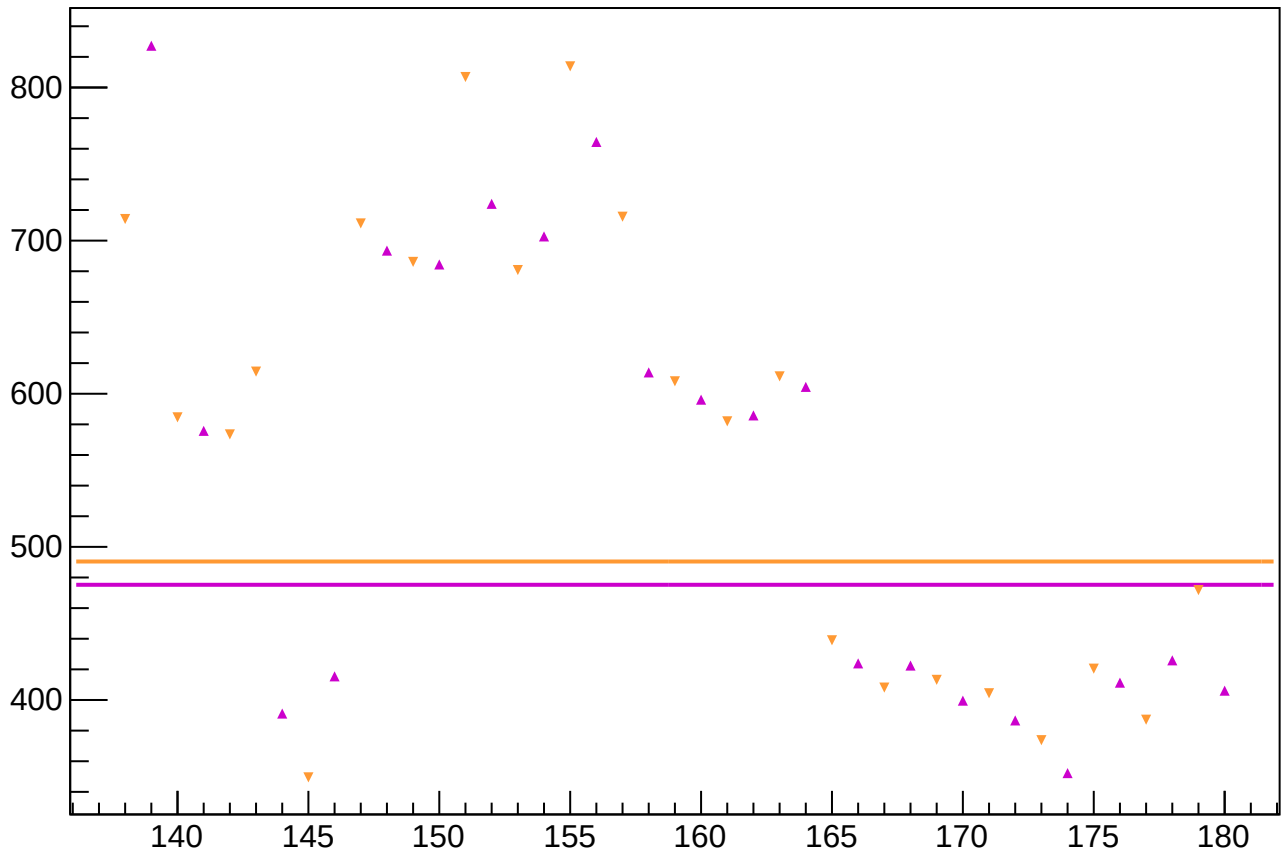
Left In: -41.043+/-121.646 χ^2/NDF : 30.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -281.568+/-87.181 χ^2/NDF : 94.7/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 490.444+/-0.088 χ^2/NDF : 2215360.7/21

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

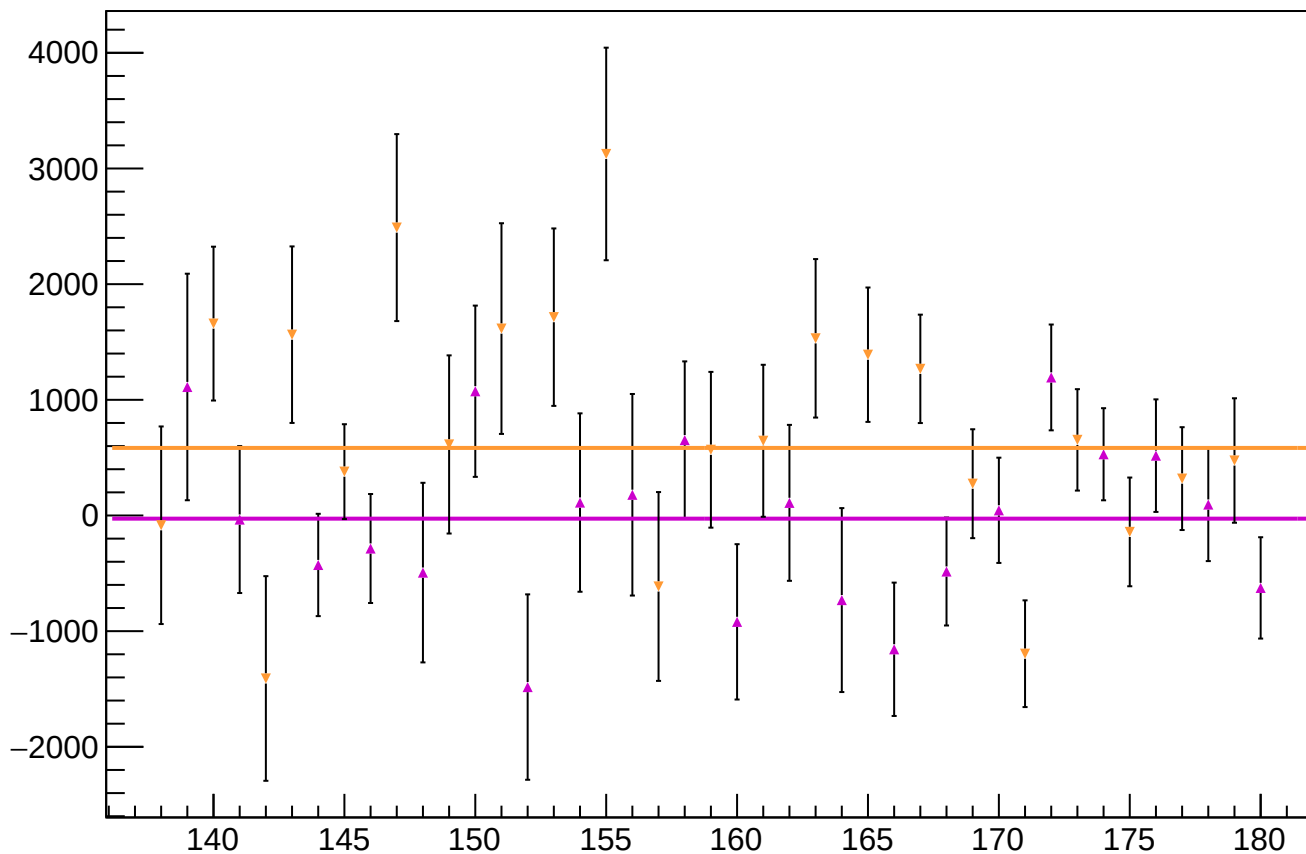
Left In: 475.237+/-0.086 χ^2/NDF : 2066141.4/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 482.634+/-0.062 χ^2/NDF : 4296703.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_mean vs Slug



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

Left Out: 584.182+/-125.980 χ^2/NDF : 53.1/21

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

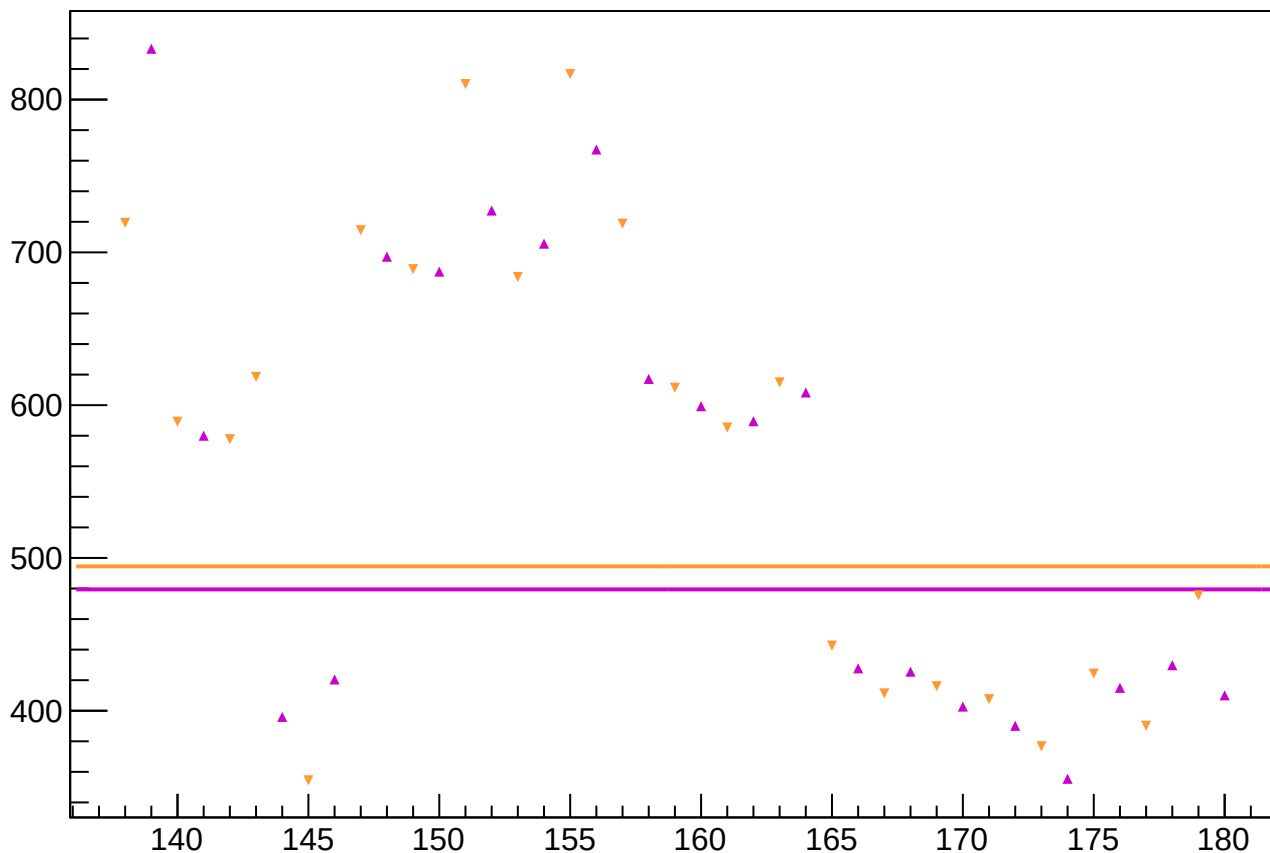
Left In: -27.341+/-122.656 χ^2/NDF : 29.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 270.247+/-87.883 χ^2/NDF : 94.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_rms vs Slug



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

Left Out: 494.501+/-0.089 χ^2/NDF :2184767.2/21

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

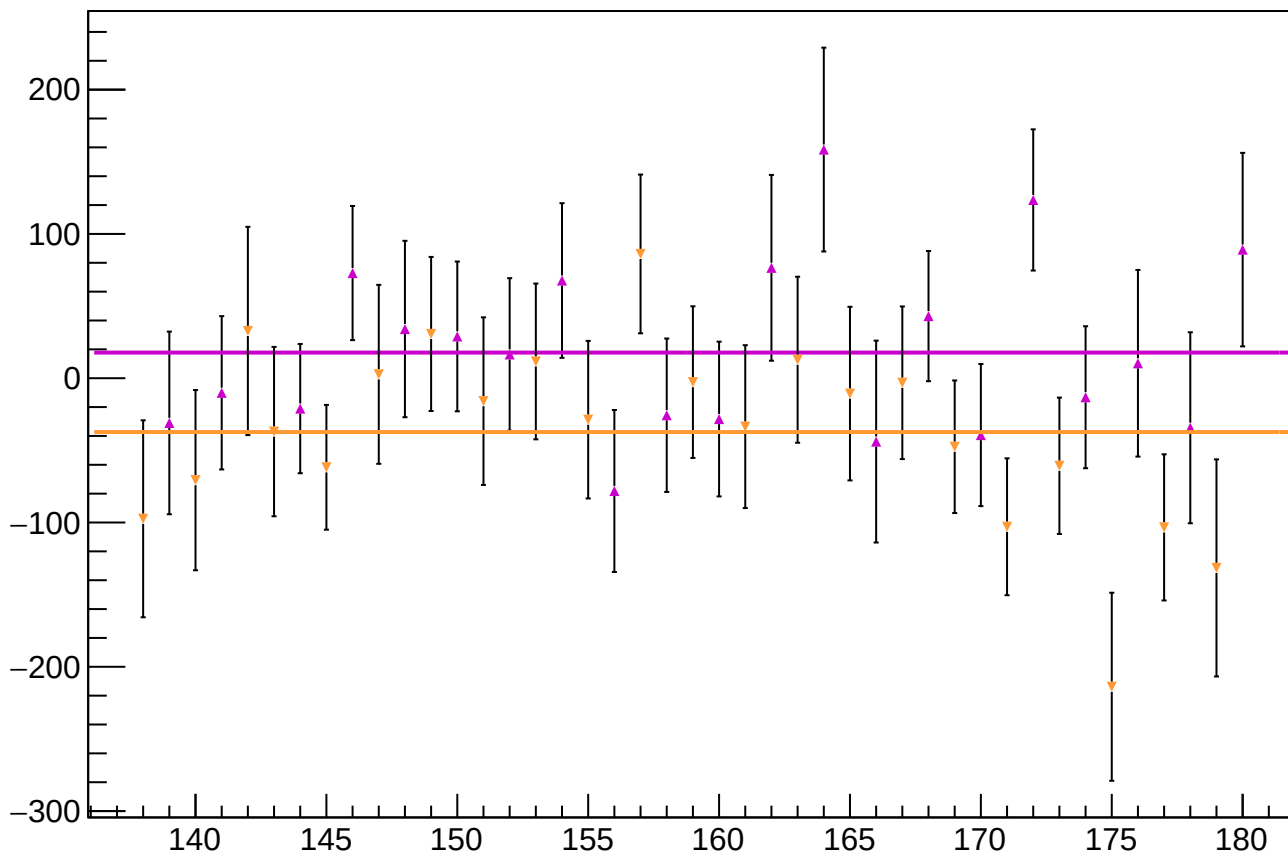
Left In: 479.419+/-0.087 χ^2/NDF :2037747.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 486.758+/-0.062 χ^2/NDF : 4237231.1/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -37.301 $\pm$ 11.798 χ^2 /NDF:25.0/21

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

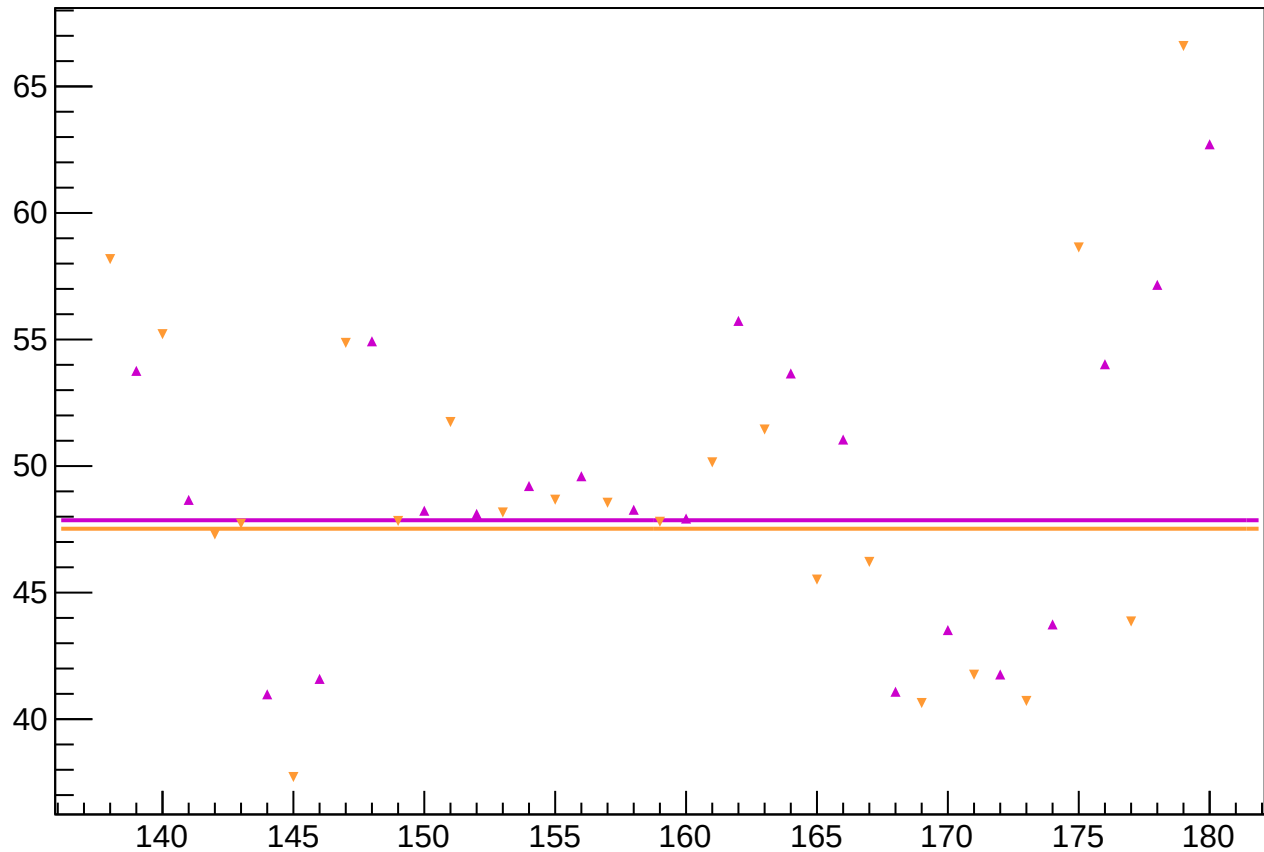
Left In: 17.767 $\pm$ 11.953 χ^2 /NDF:22.4/20

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

All: -10.127 $\pm$ 8.397 χ^2 /NDF: 58.2/42

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

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 47.524+/-0.008 χ^2 /NDF:552807.6/21

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

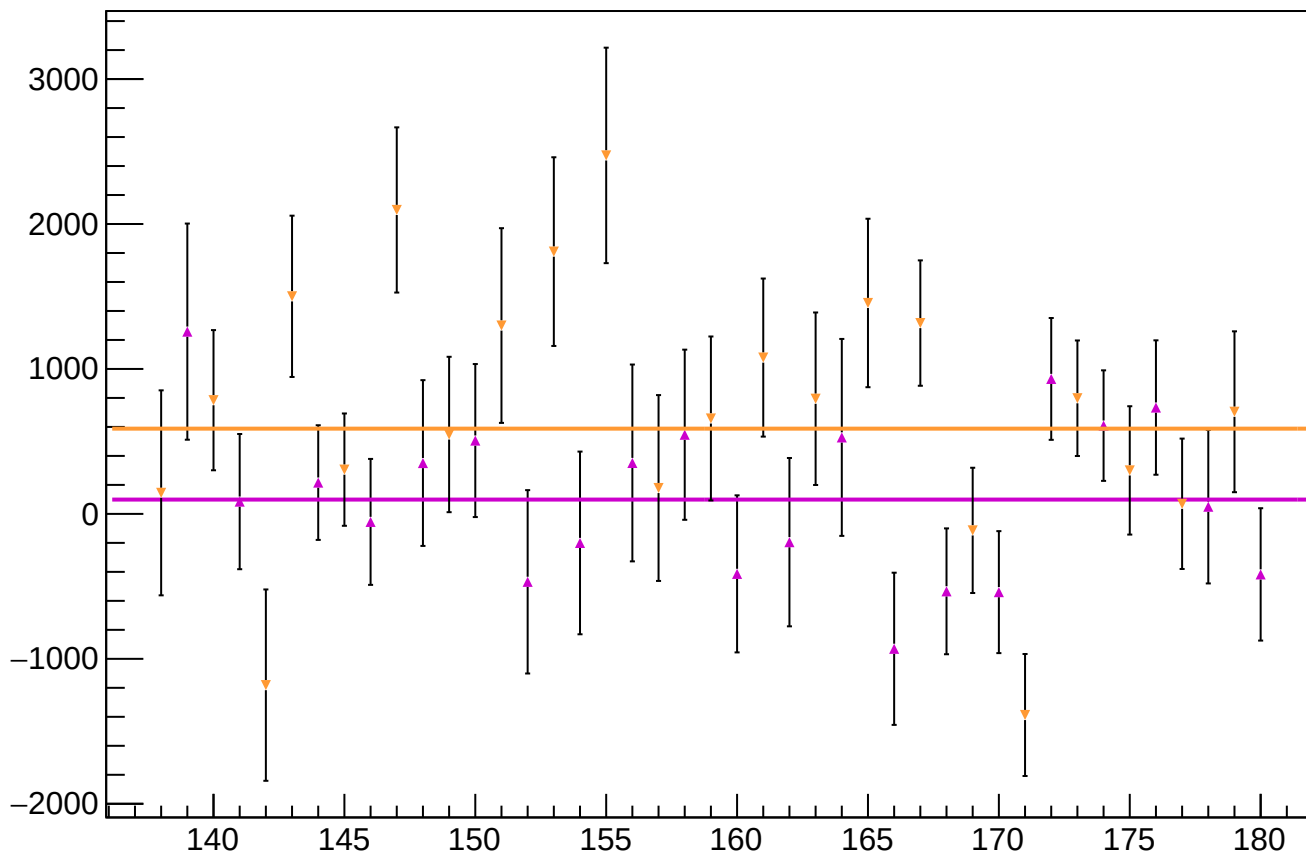
Left In: 47.859+/-0.008 χ^2 /NDF:440600.8/20

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 47.690+/-0.006 χ^2 /NDF: 994204.4/42

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 588.124+/-110.397 χ^2/NDF : 62.2/21

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

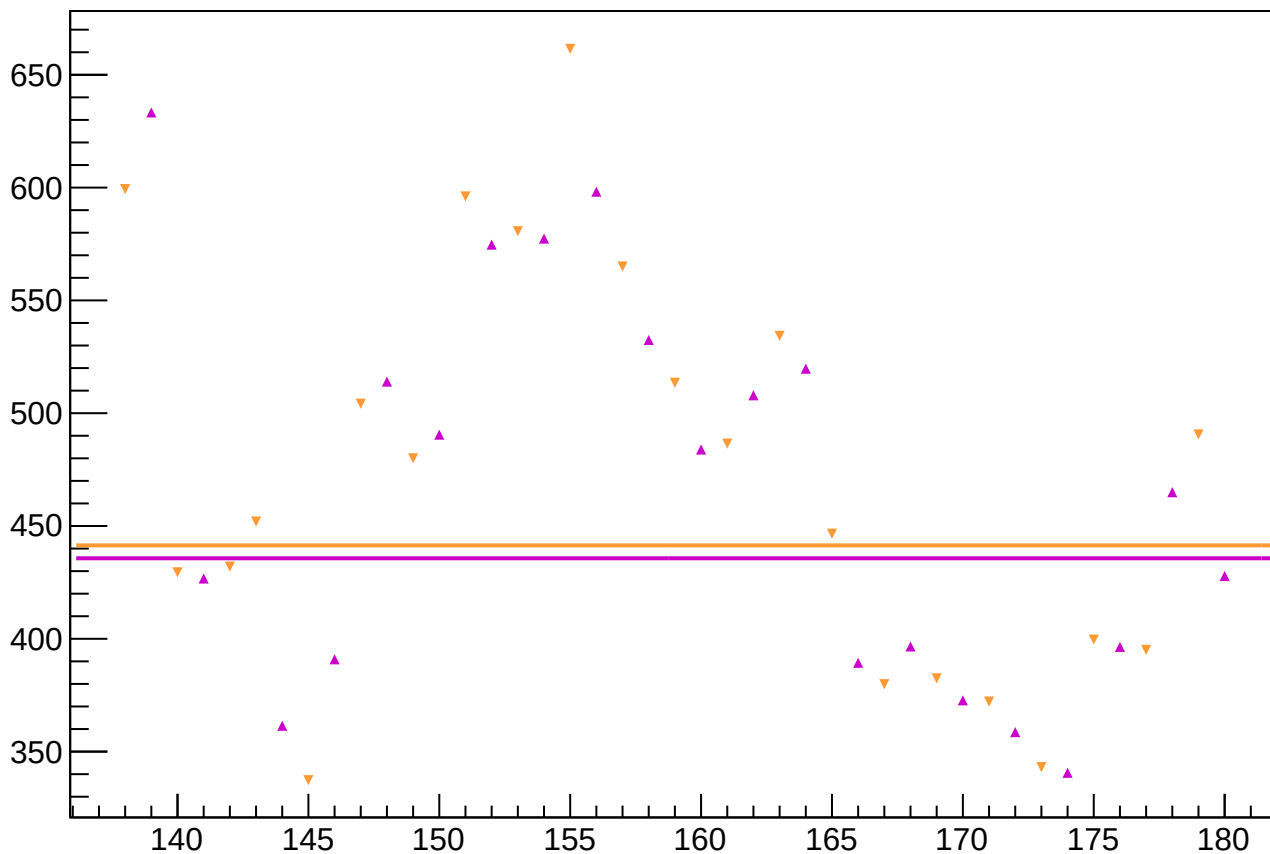
Left In: 98.757+/-109.438 χ^2/NDF : 23.9/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 341.306+/-77.721 χ^2/NDF : 96.0/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 441.411+/-0.078 χ^2/NDF :1131496.4/21

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

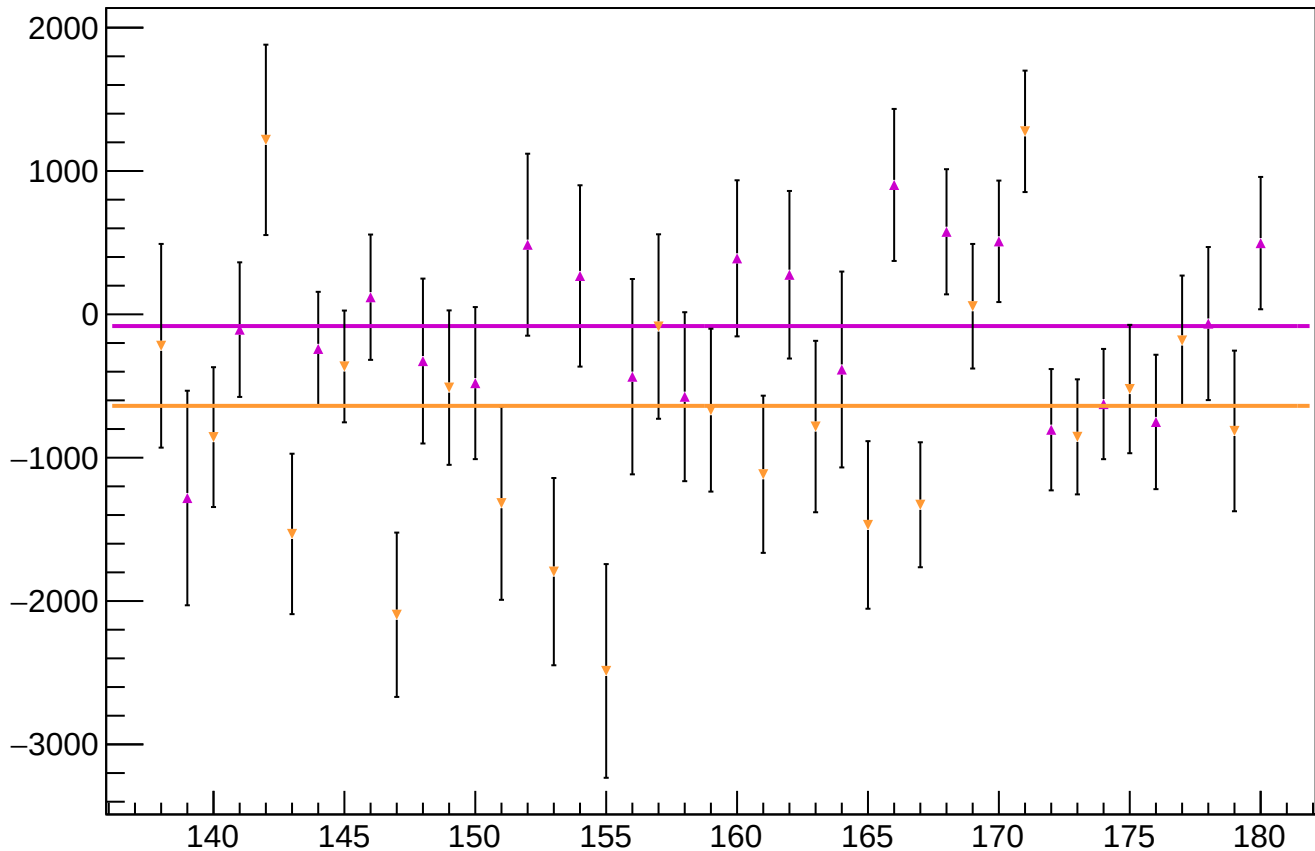
Left In: 435.687+/-0.077 χ^2/NDF :1025252.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 438.524+/-0.055 χ^2/NDF : 2159460.5/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -638.425 $\pm$ 111.109 χ^2 /NDF:58.8/21

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

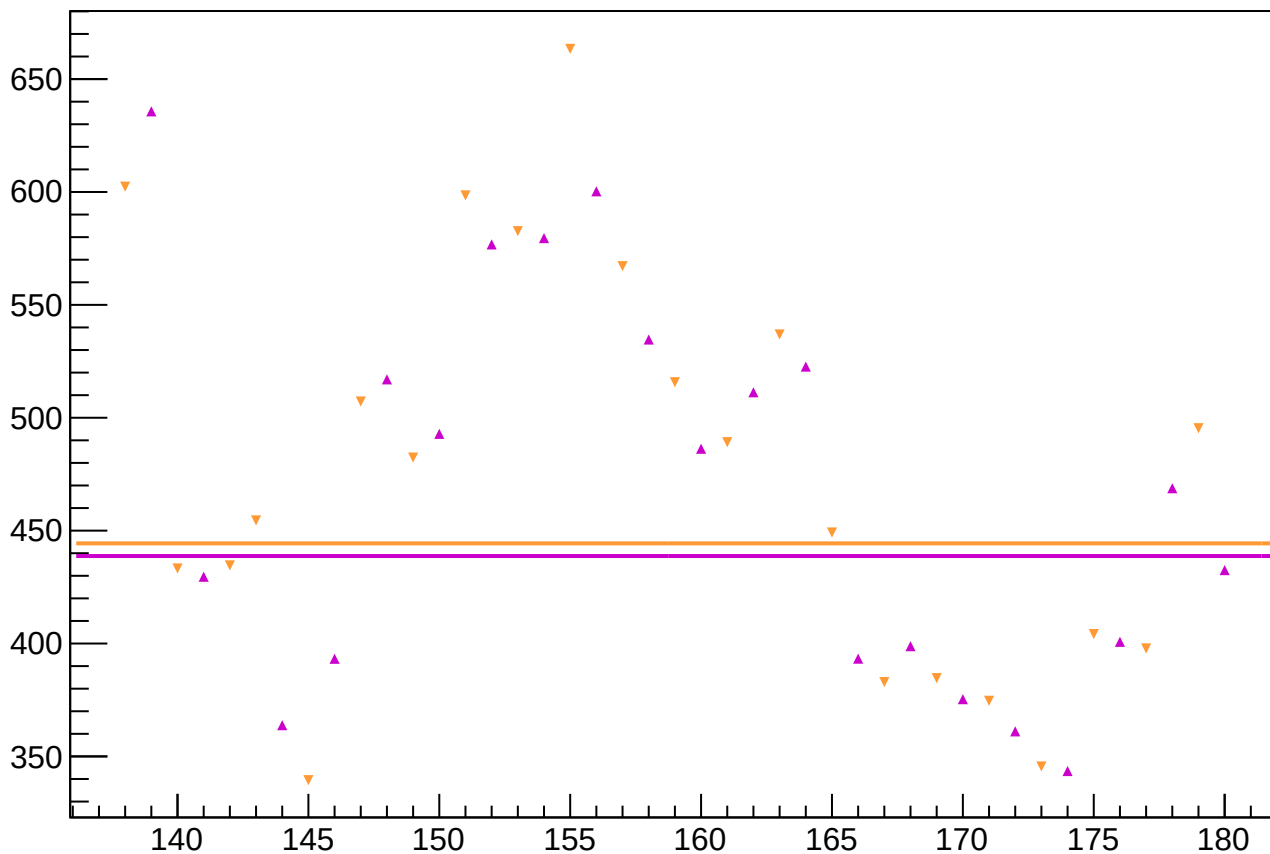
Left In: -81.748 $\pm$ 110.184 χ^2 /NDF:23.3/20

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

All: -357.759 $\pm$ 78.237 χ^2 /NDF: 94.7/42

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

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 444.356+/-0.079 χ^2/NDF :1118950.6/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

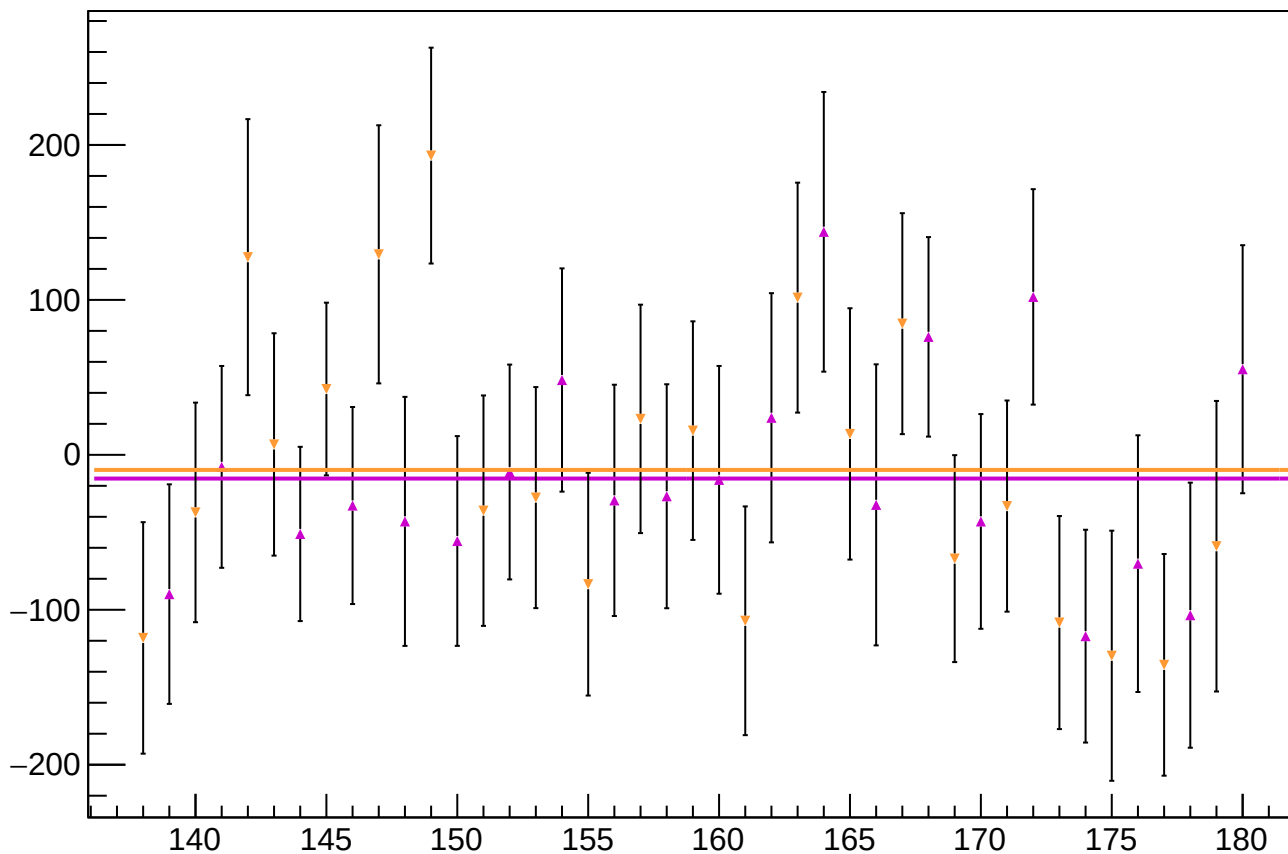
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 438.756+/-0.078 χ^2/NDF :1010905.9/20

All: 441.533+/-0.055 χ^2/NDF : 2132417.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: -9.729 $\pm$ 15.515 χ^2 /NDF:32.7/21

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

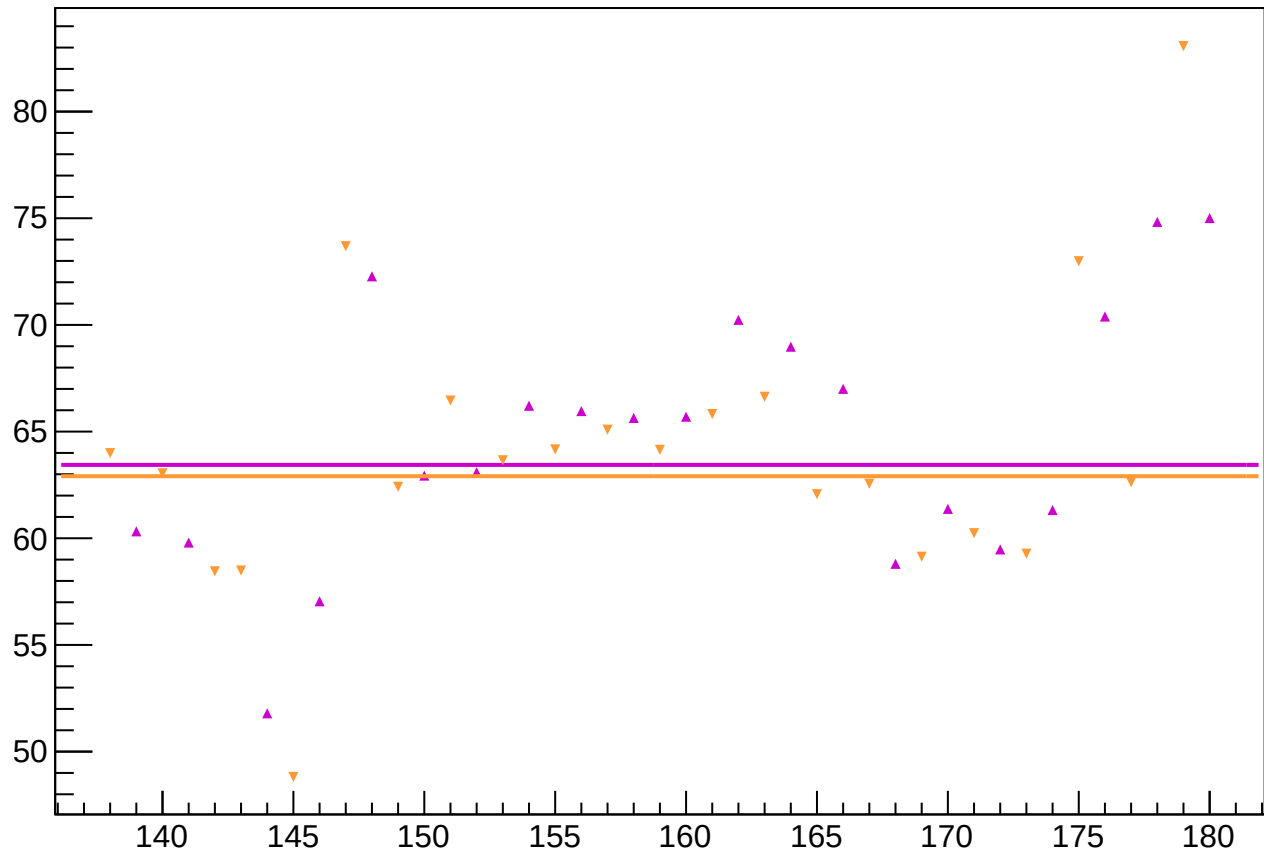
Left In: -15.314 $\pm$ 15.745 χ^2 /NDF:15.8/20

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

All: -12.481 $\pm$ 11.051 χ^2 /NDF: 48.6/42

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

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 62.909+/-0.011 χ^2/NDF : 329493.6/21

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

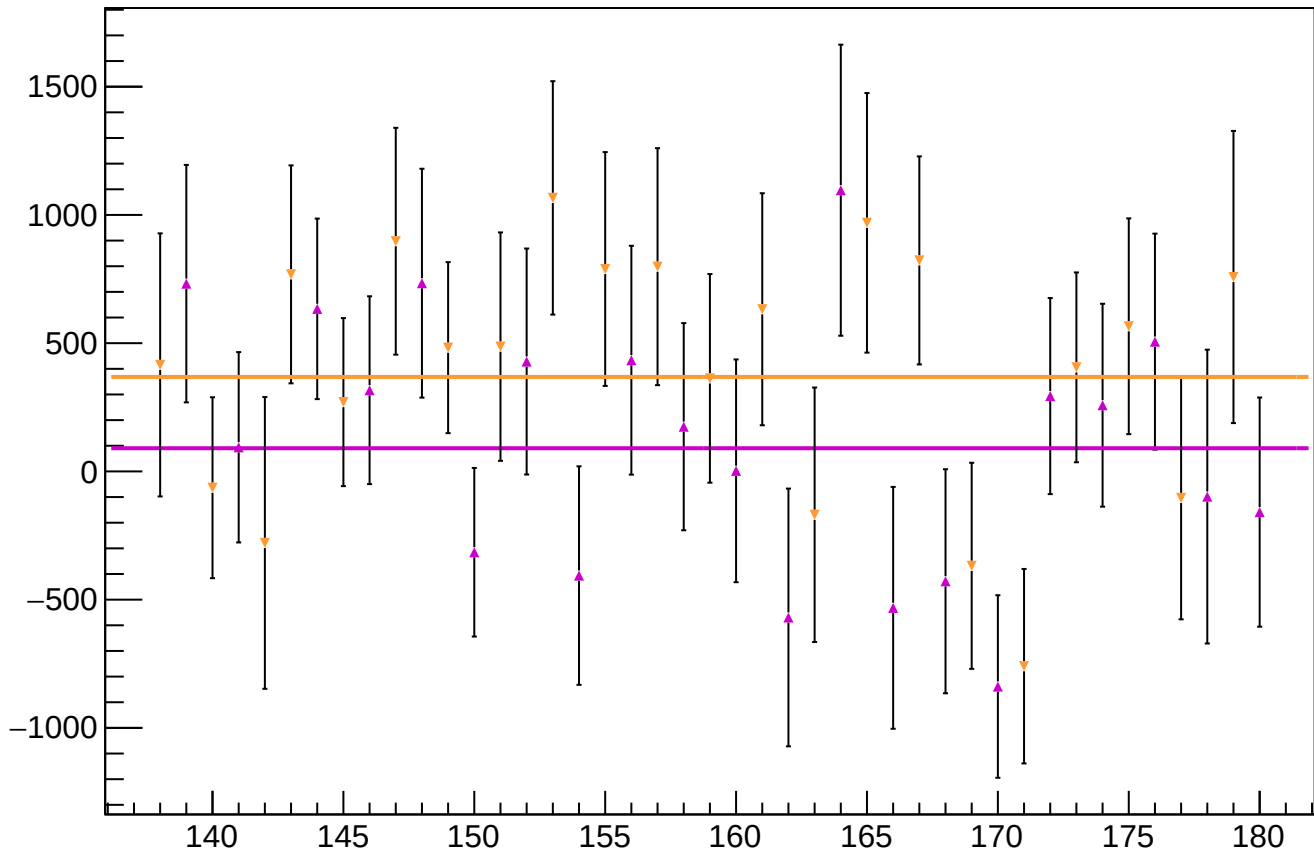
Left In: 63.438+/-0.011 χ^2/NDF : 286213.4/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 63.170+/-0.008 χ^2/NDF : 616854.2/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 368.362+/-90.575 χ^2/NDF : 27.6/21

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

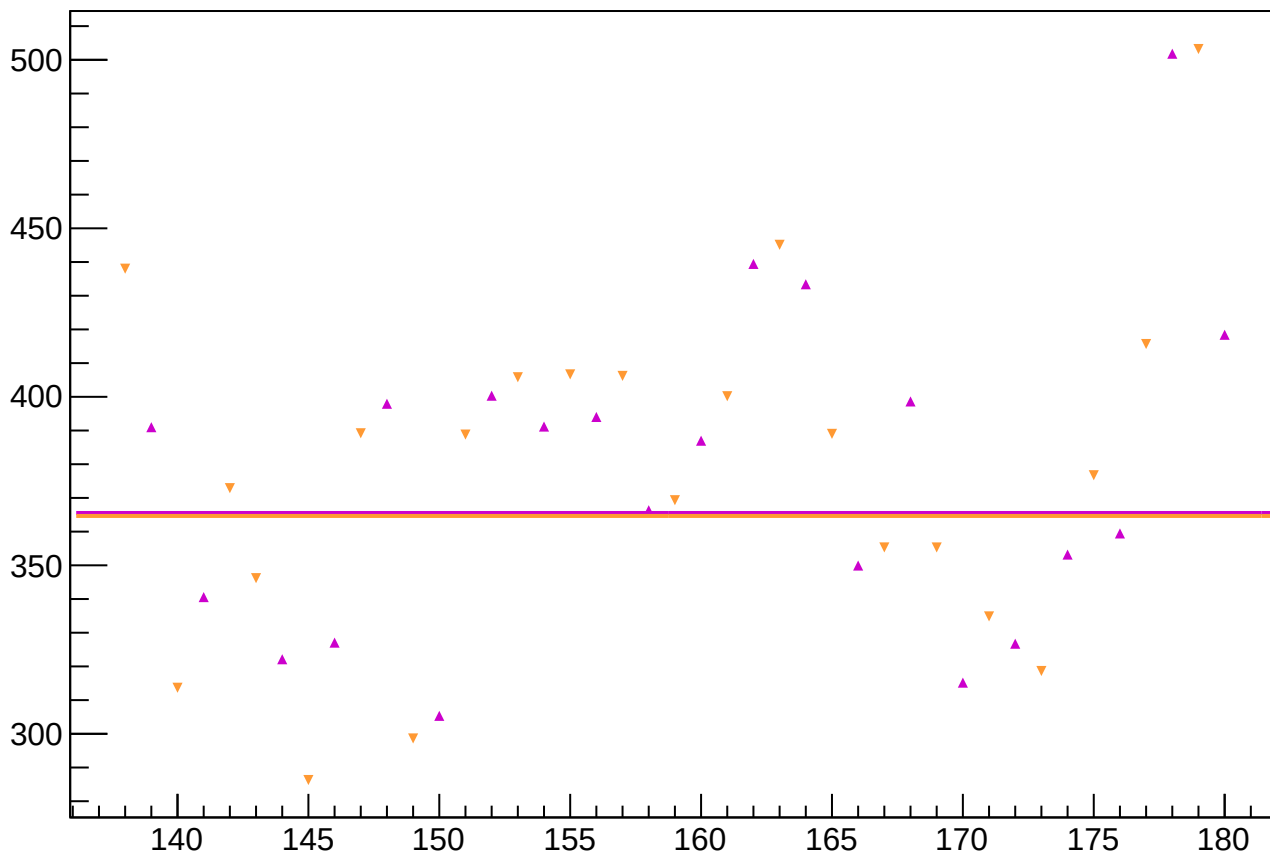
Left In: 90.391+/-91.101 χ^2/NDF : 27.6/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 230.181+/-64.231 χ^2/NDF : 59.8/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 364.652+/-0.064 χ^2/NDF : 599826.9/21

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

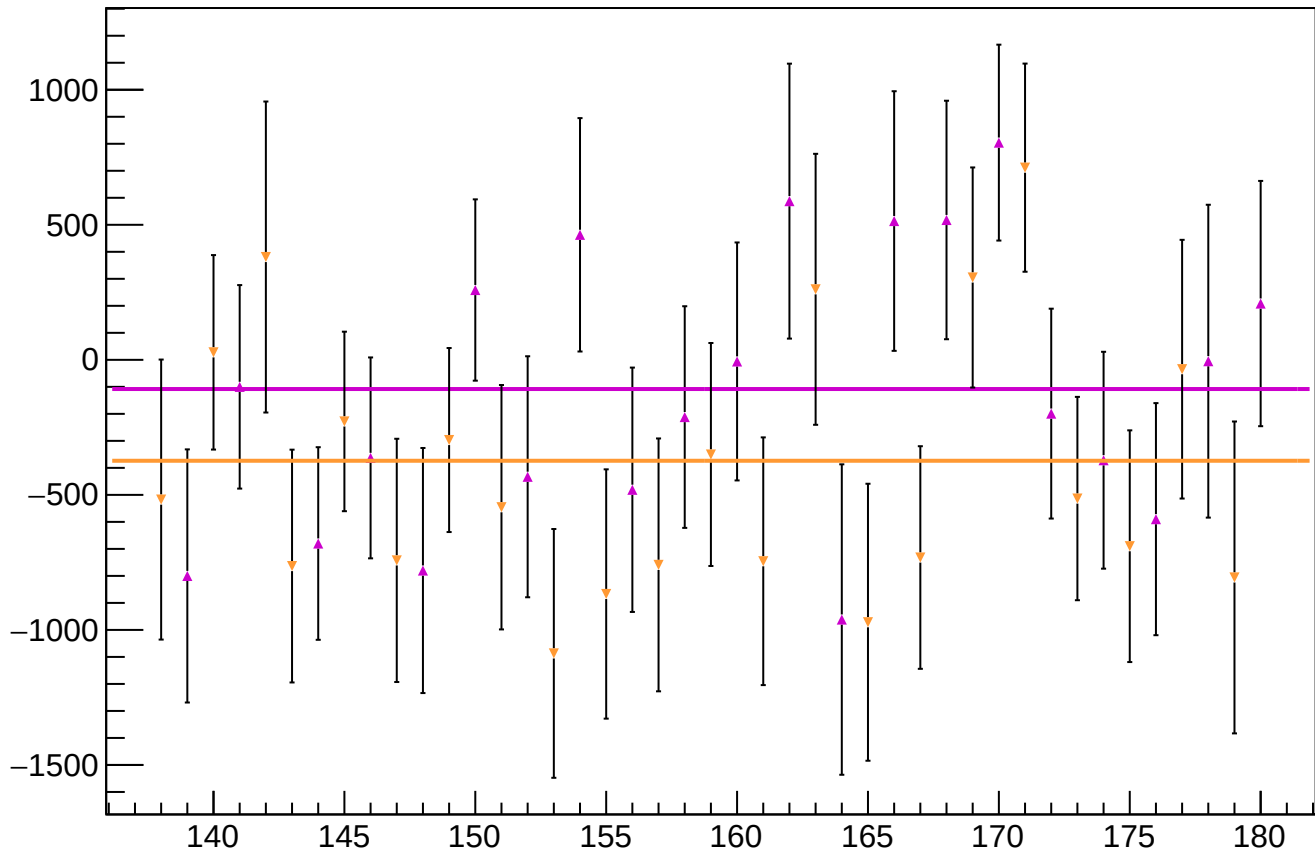
Left In: 365.530+/-0.064 χ^2/NDF : 467761.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 365.088+/-0.045 χ^2/NDF : 1067682.1/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -373.677 $\pm$ 91.985 χ^2 /NDF:26.0/21

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

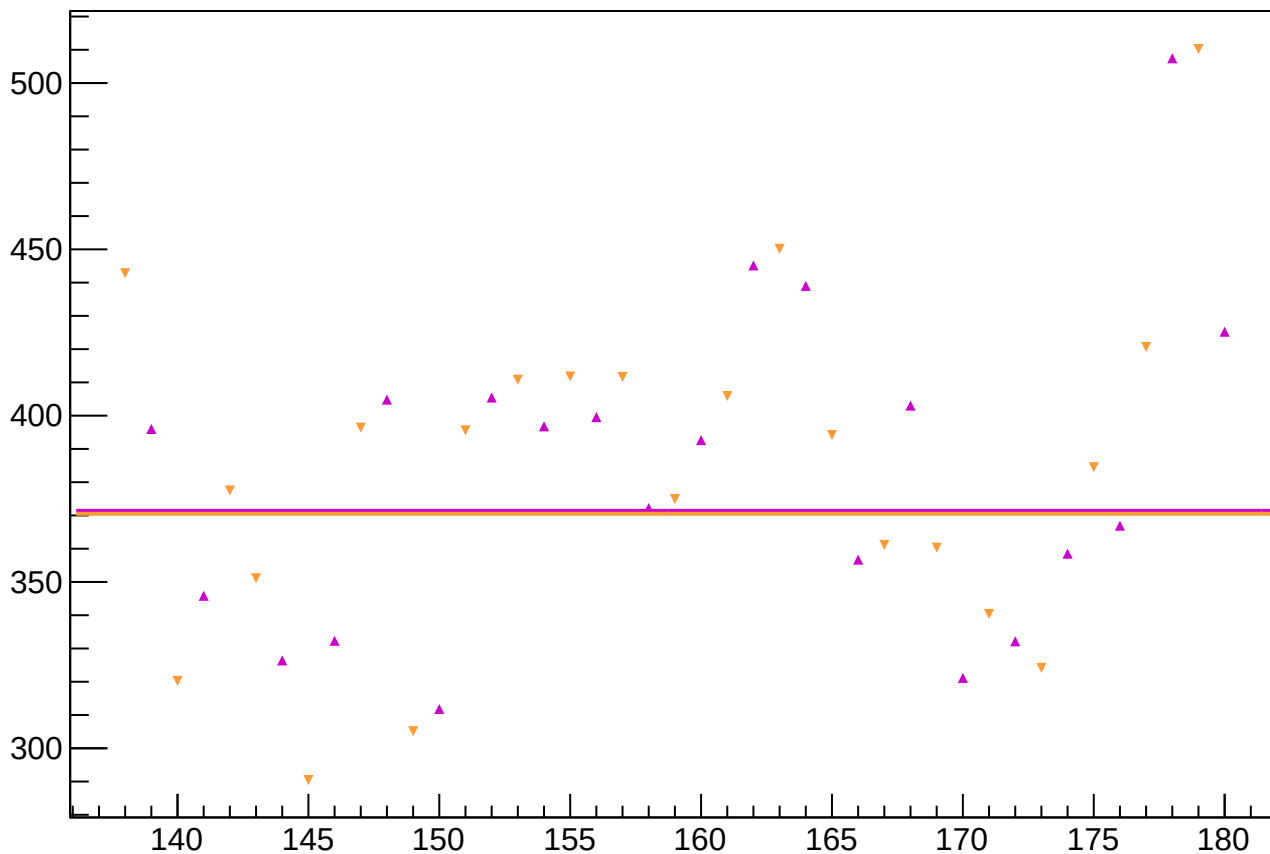
Left In: -108.060 $\pm$ 92.528 χ^2 /NDF:28.0/20

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

All: -241.650 $\pm$ 65.234 χ^2 /NDF: 58.1/42

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

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 370.500+/-0.065 χ^2/NDF : 584188.3/21

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

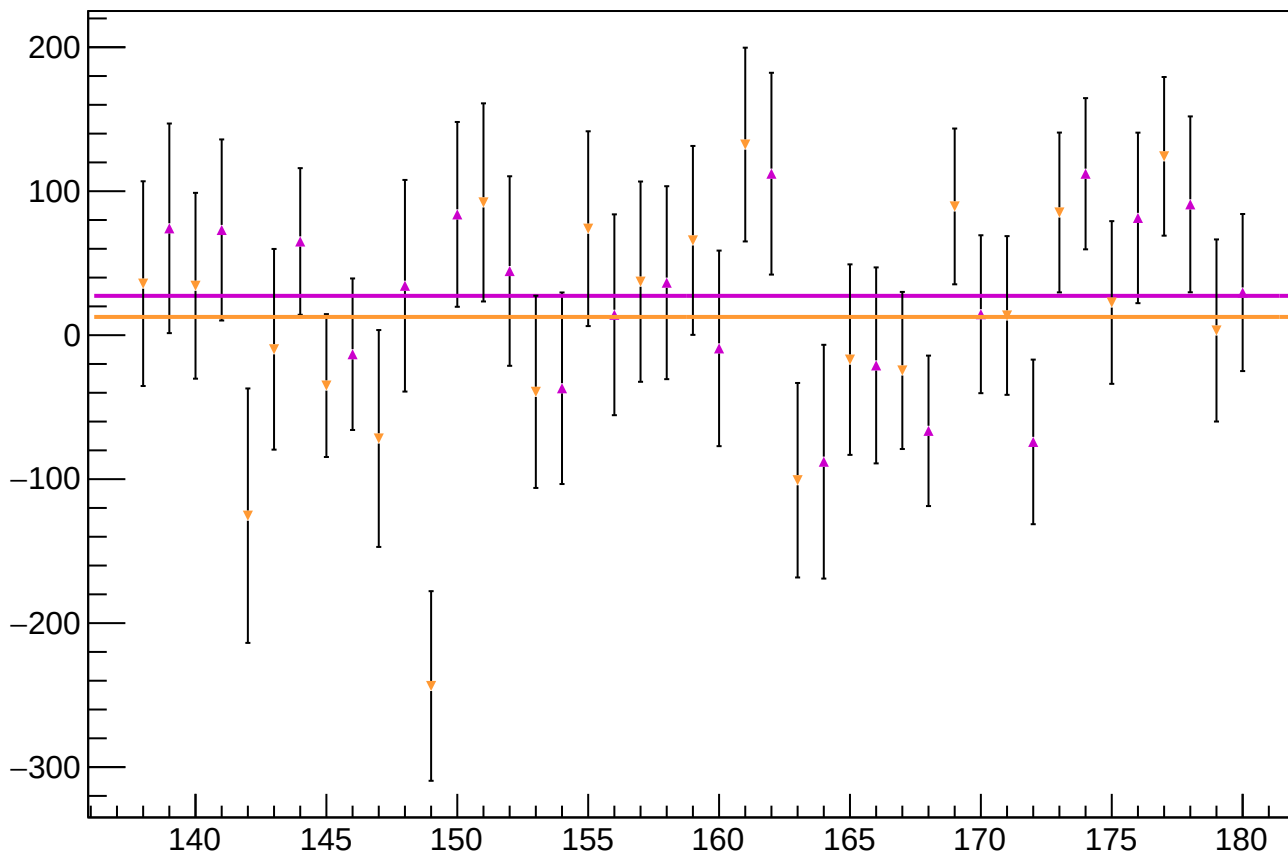
Left In: 371.378+/-0.065 χ^2/NDF : 454839.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 370.936+/-0.046 χ^2/NDF : 1039118.2/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: 12.678+/-13.398 χ^2/NDF : 38.2/21

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

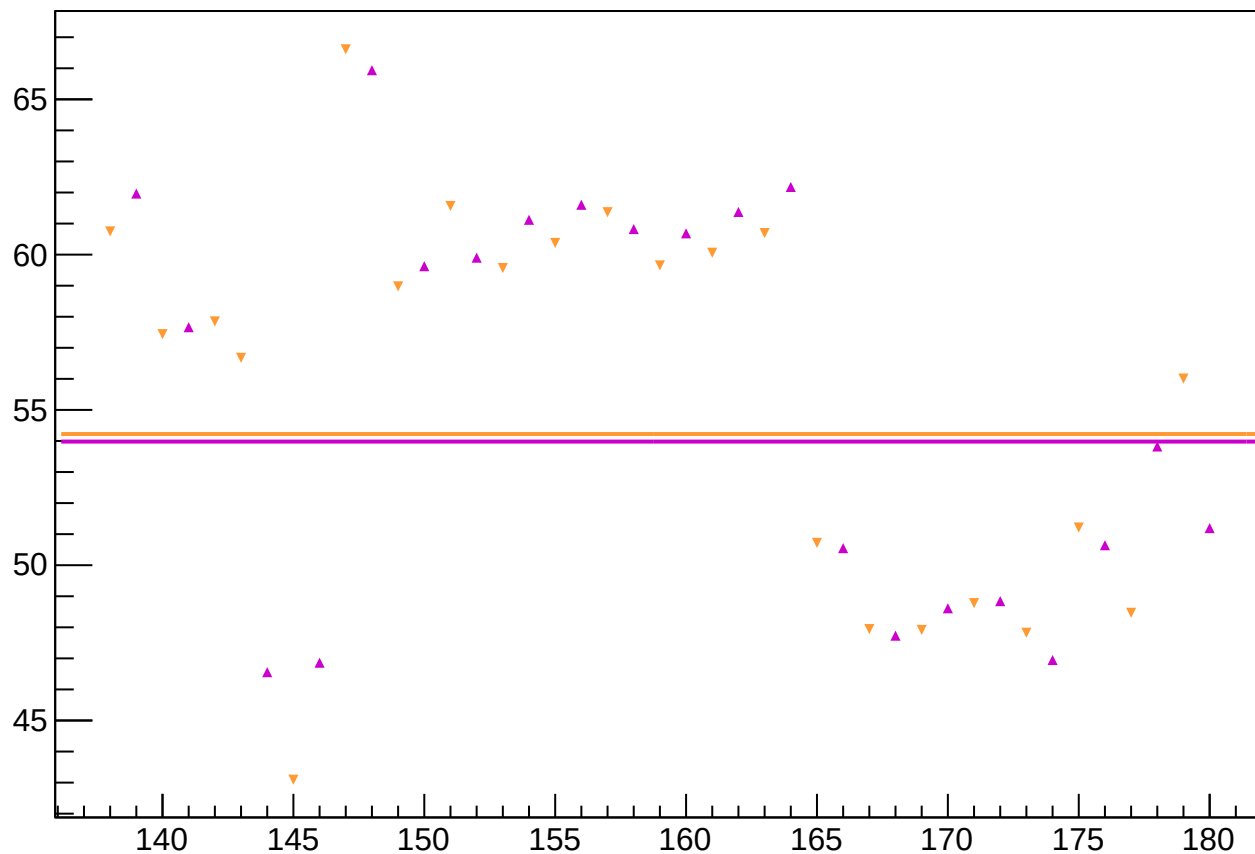
Left In: 27.322+/-13.428 χ^2/NDF : 19.2/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 19.984+/-9.485 χ^2/NDF : 57.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 54.224+/-0.009 χ^2/NDF : 447629.0/21

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

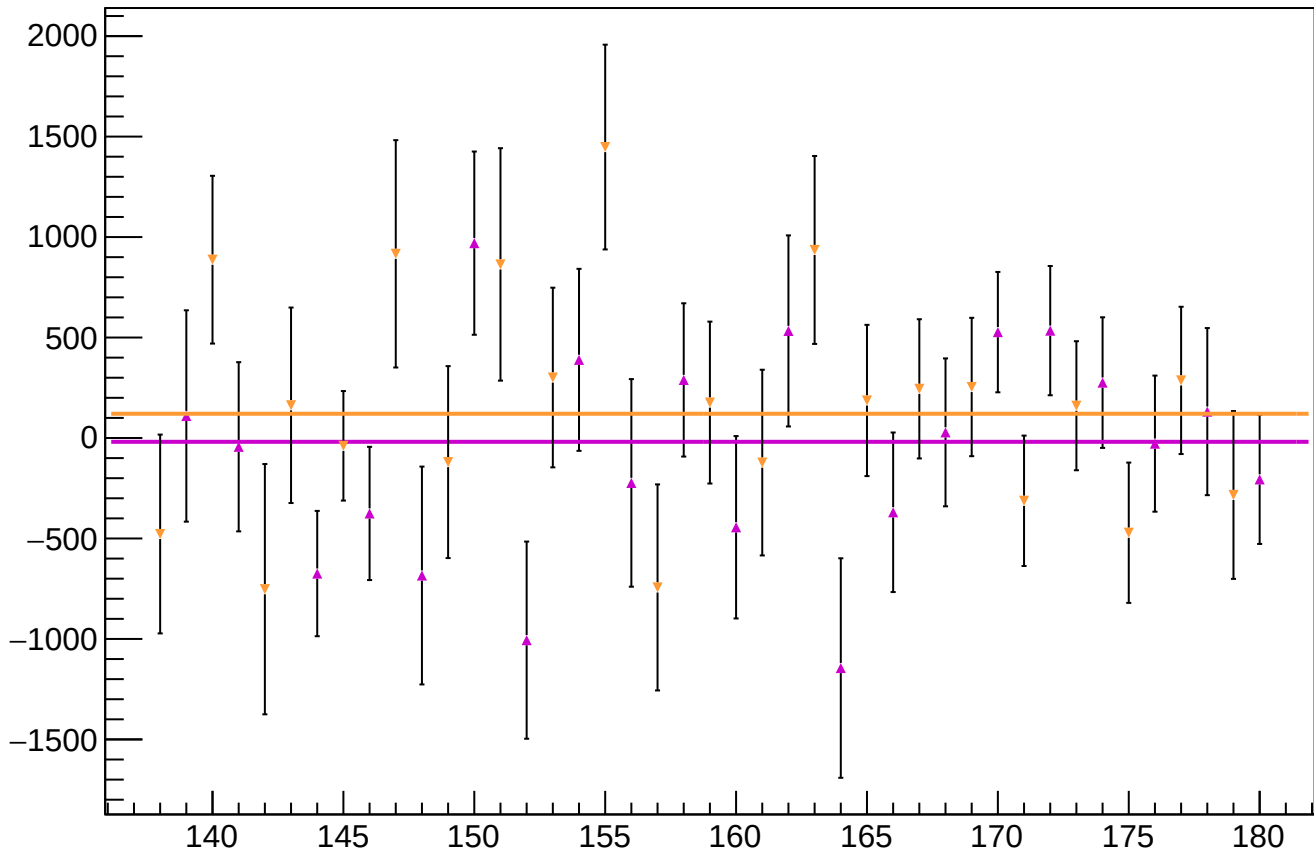
Left In: 53.980+/-0.009 χ^2/NDF : 441101.6/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 54.102+/-0.007 χ^2/NDF : 889061.2/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 120.704 $\pm$ 86.687 χ^2 /NDF:30.3/21

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

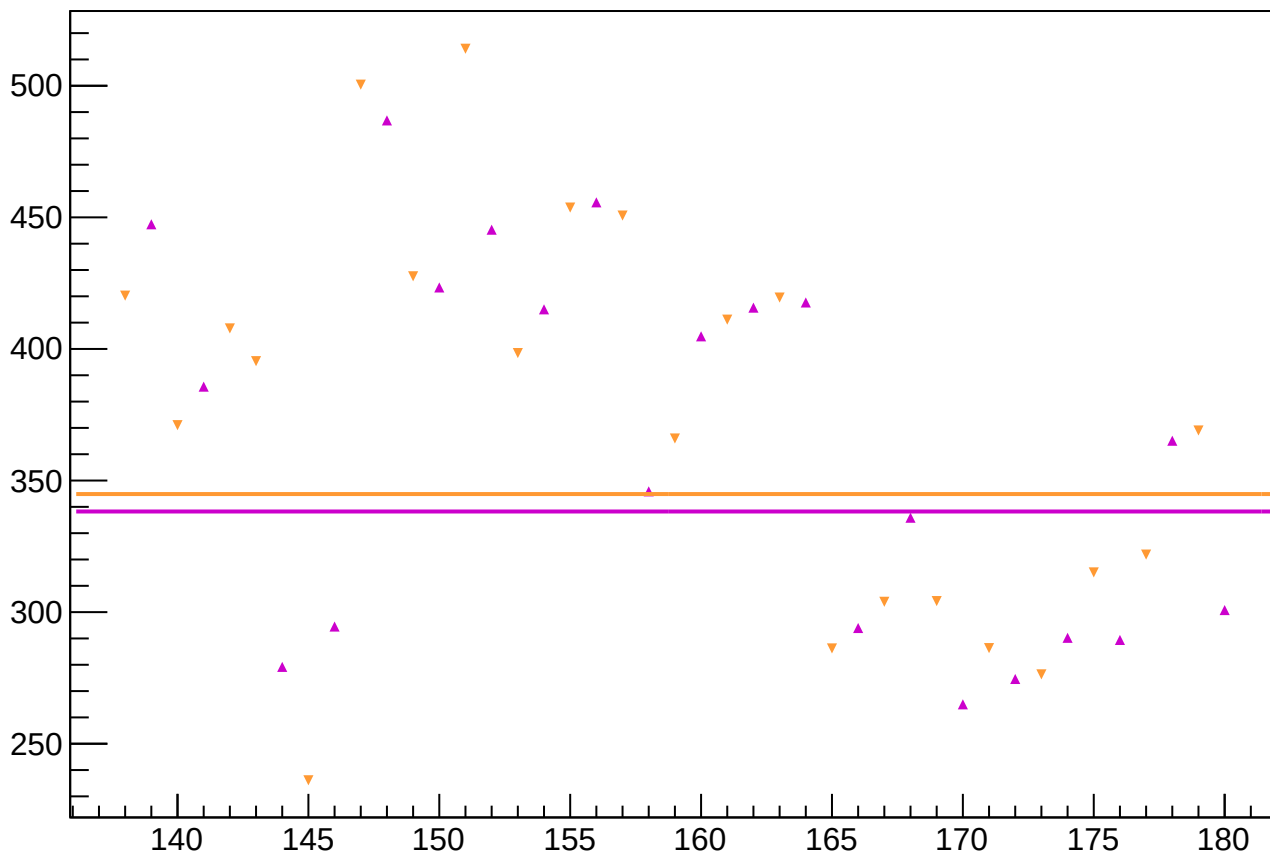
Left In: -18.948 $\pm$ 85.334 χ^2 /NDF:32.4/20

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

All: 49.780 $\pm$ 60.813 χ^2 /NDF: 64.0/42

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

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 344.867+/-0.061 χ^2/NDF :1389686.9/21

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

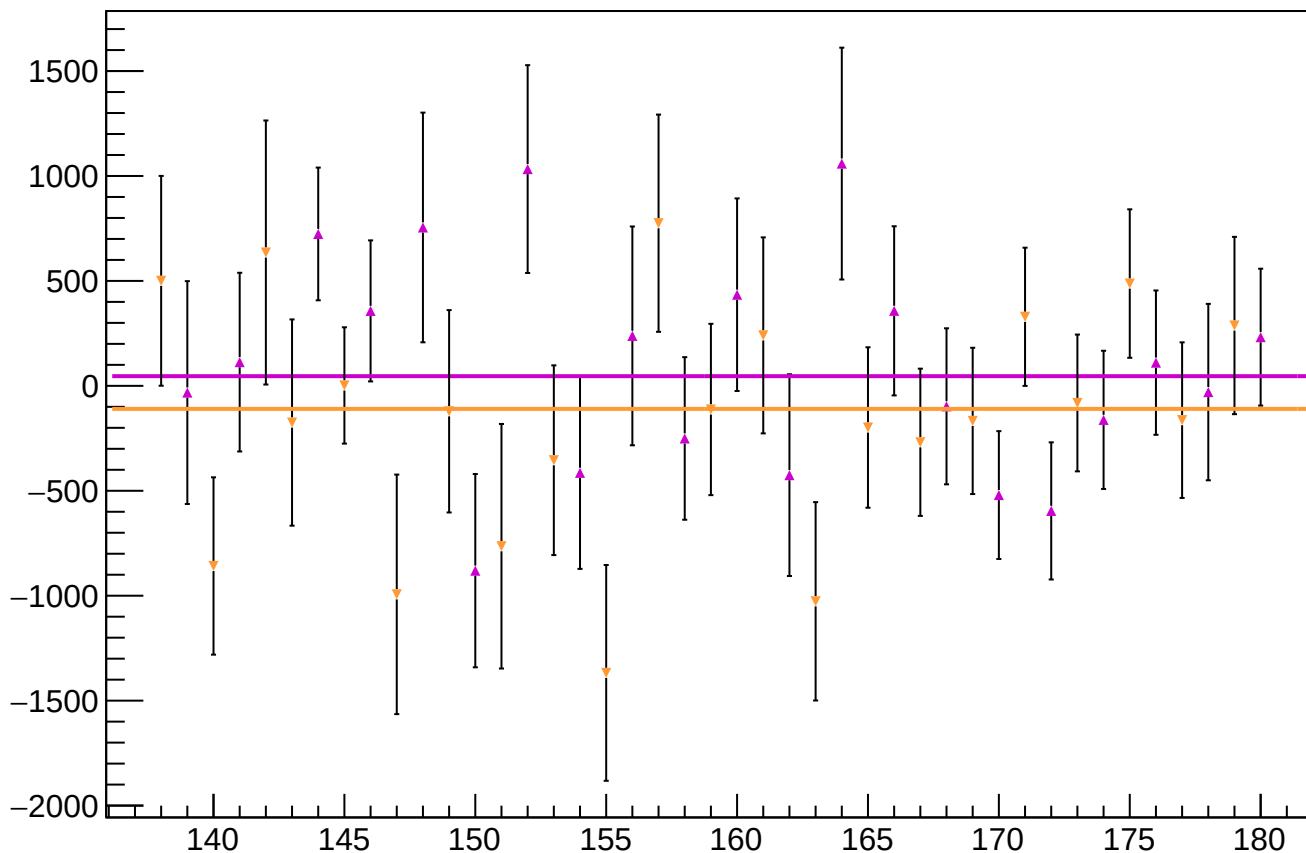
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 341.501+/-0.043 χ^2/NDF : 2572633.2/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 338.239+/-0.060 χ^2/NDF :1177009.6/20

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -109.747+/-87.774 χ^2/NDF : 29.2/21

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

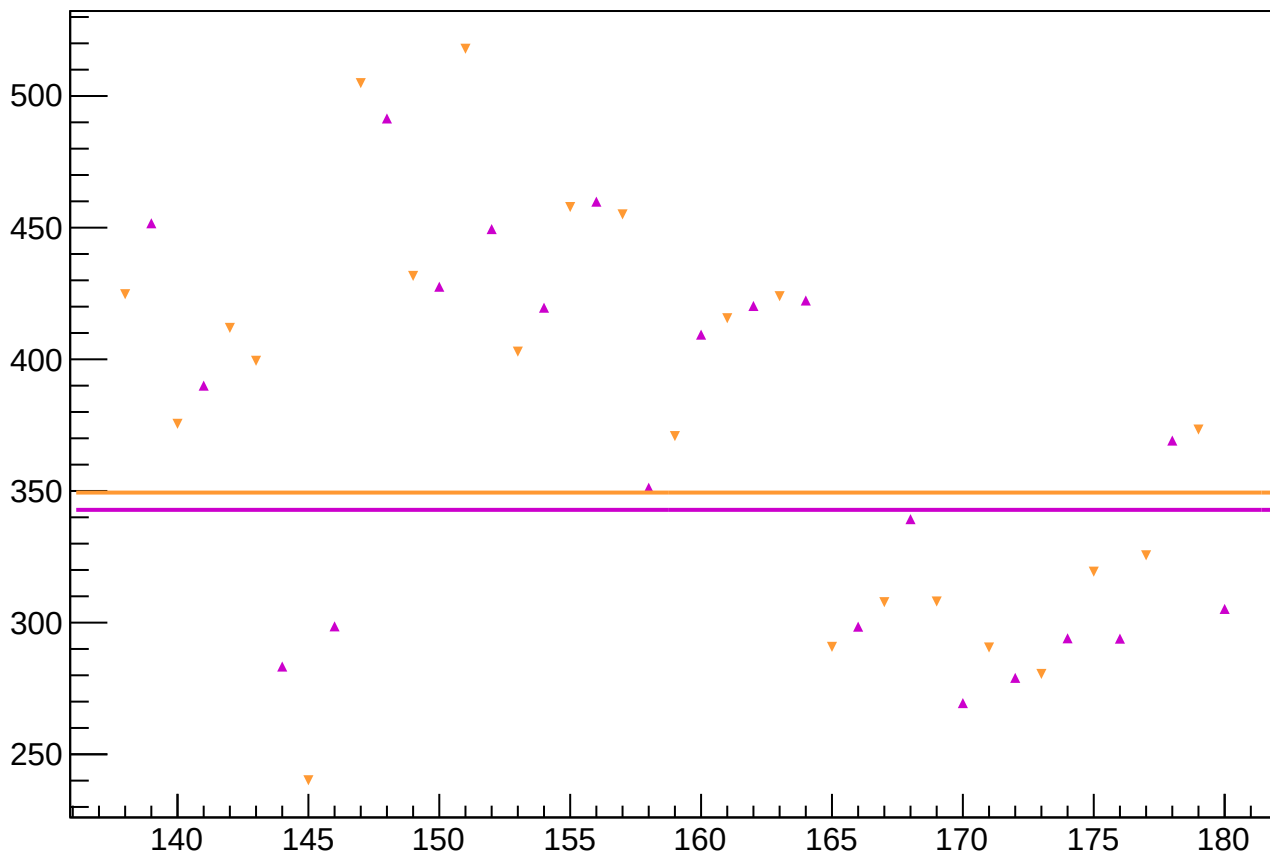
Left In: 46.092+/-86.447 χ^2/NDF : 30.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -30.640+/-61.591 χ^2/NDF : 61.7/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 349.395+/-0.062 χ^2/NDF :1360009.5/21

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

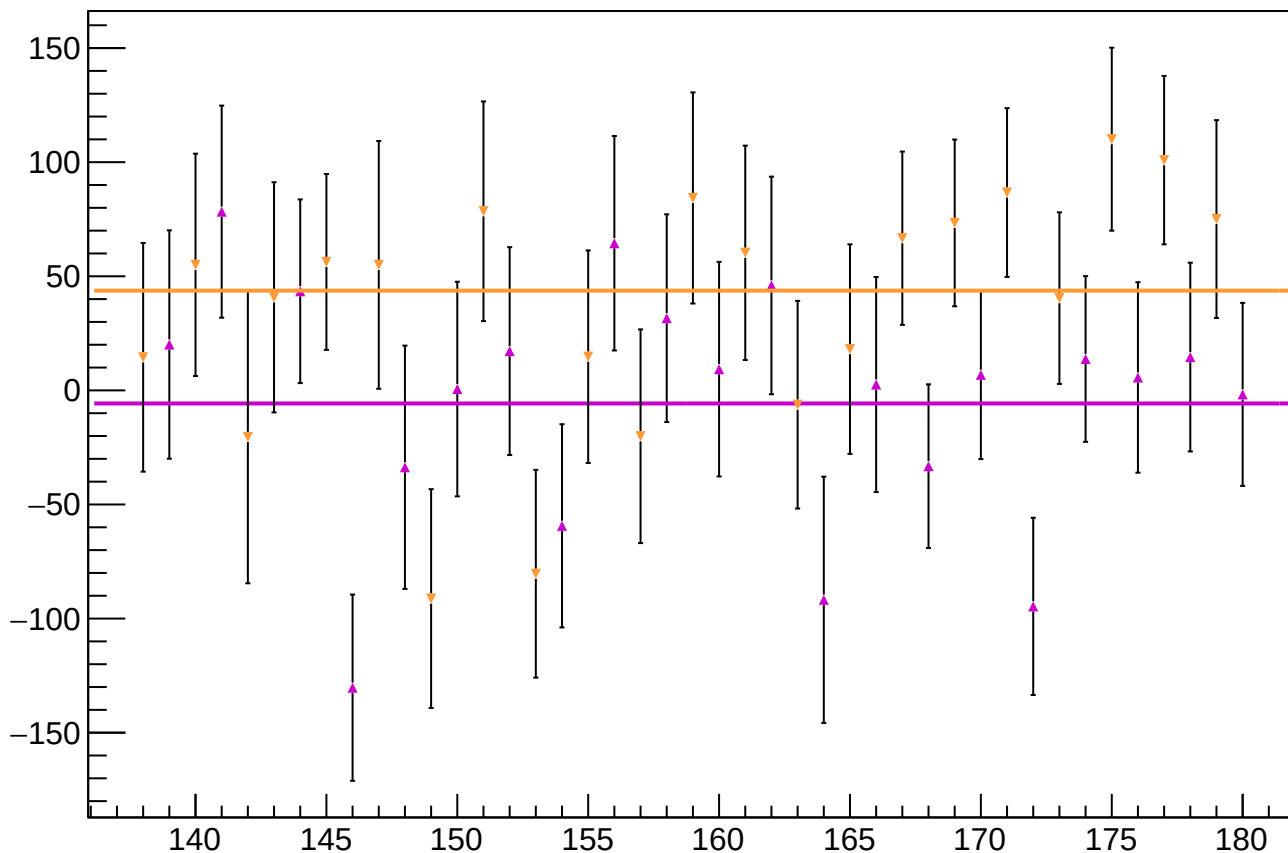
Left In: 342.830+/-0.061 χ^2/NDF :1151191.9/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 346.062+/-0.044 χ^2/NDF : 2516880.4/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 43.718 $\pm$ 9.373 χ^2 /NDF:30.1/21

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

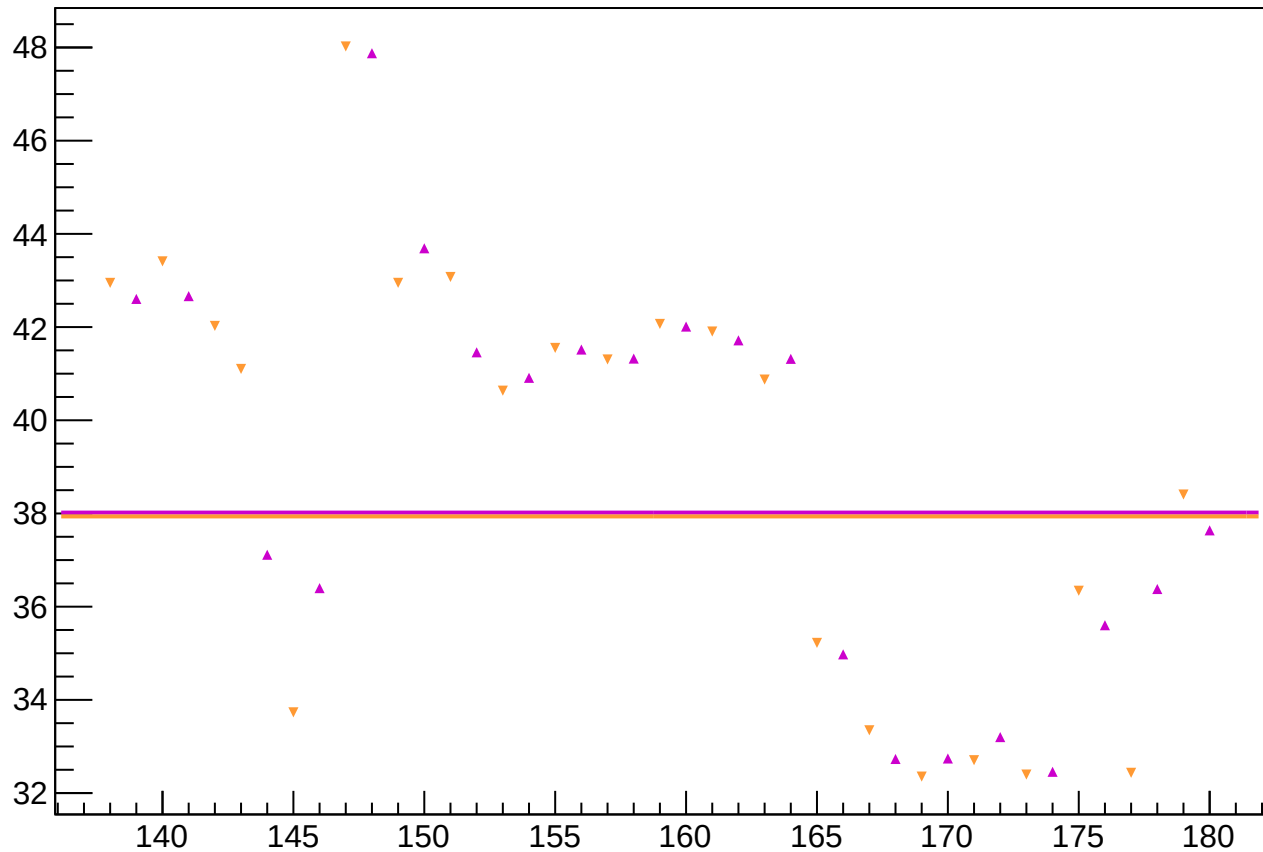
Left In: -5.739 $\pm$ 9.447 χ^2 /NDF:29.7/20

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

All: 19.184 $\pm$ 6.654 χ^2 /NDF: 73.6/42

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

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 37.937+/-0.007 χ^2/NDF : 480917.9/21

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

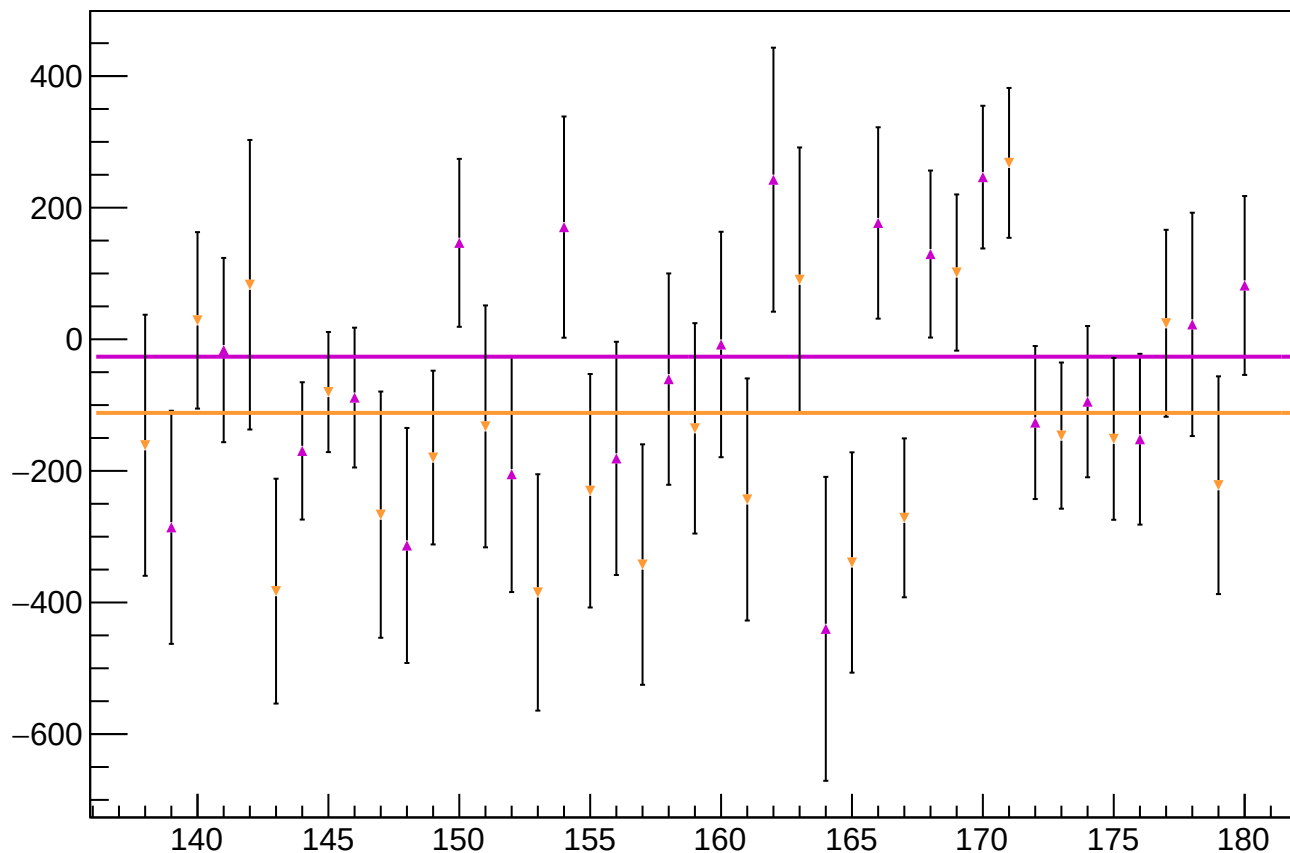
Left In: 38.019+/-0.007 χ^2/NDF : 394206.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 37.978+/-0.005 χ^2/NDF : 875201.1/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -111.883+/-30.963 χ^2/NDF : 30.9/21

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

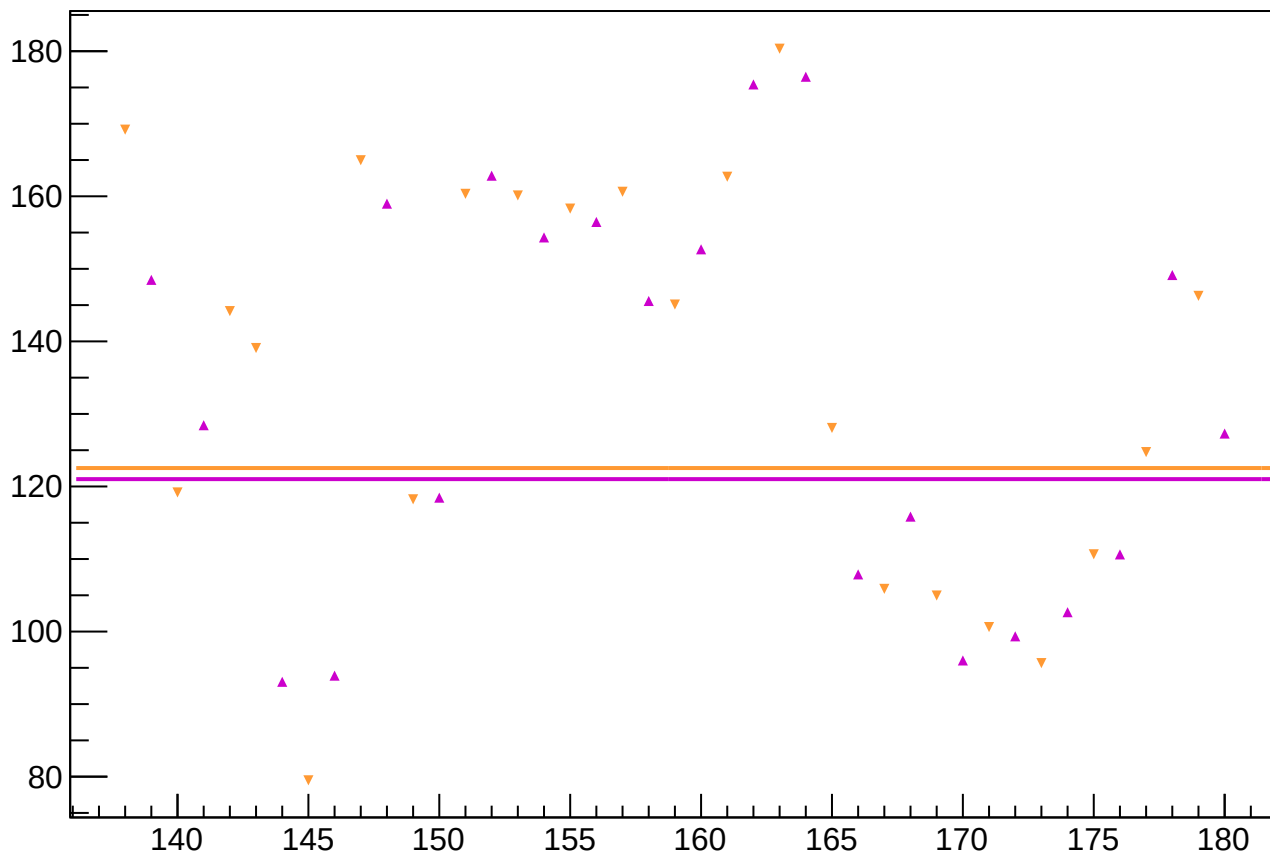
Left In: -26.463+/-30.668 χ^2/NDF : 29.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -68.765+/-21.789 χ^2/NDF : 64.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_correction_rms vs Slug



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

Left Out: 122.540+/-0.022 χ^2/NDF :1675779.5/21

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

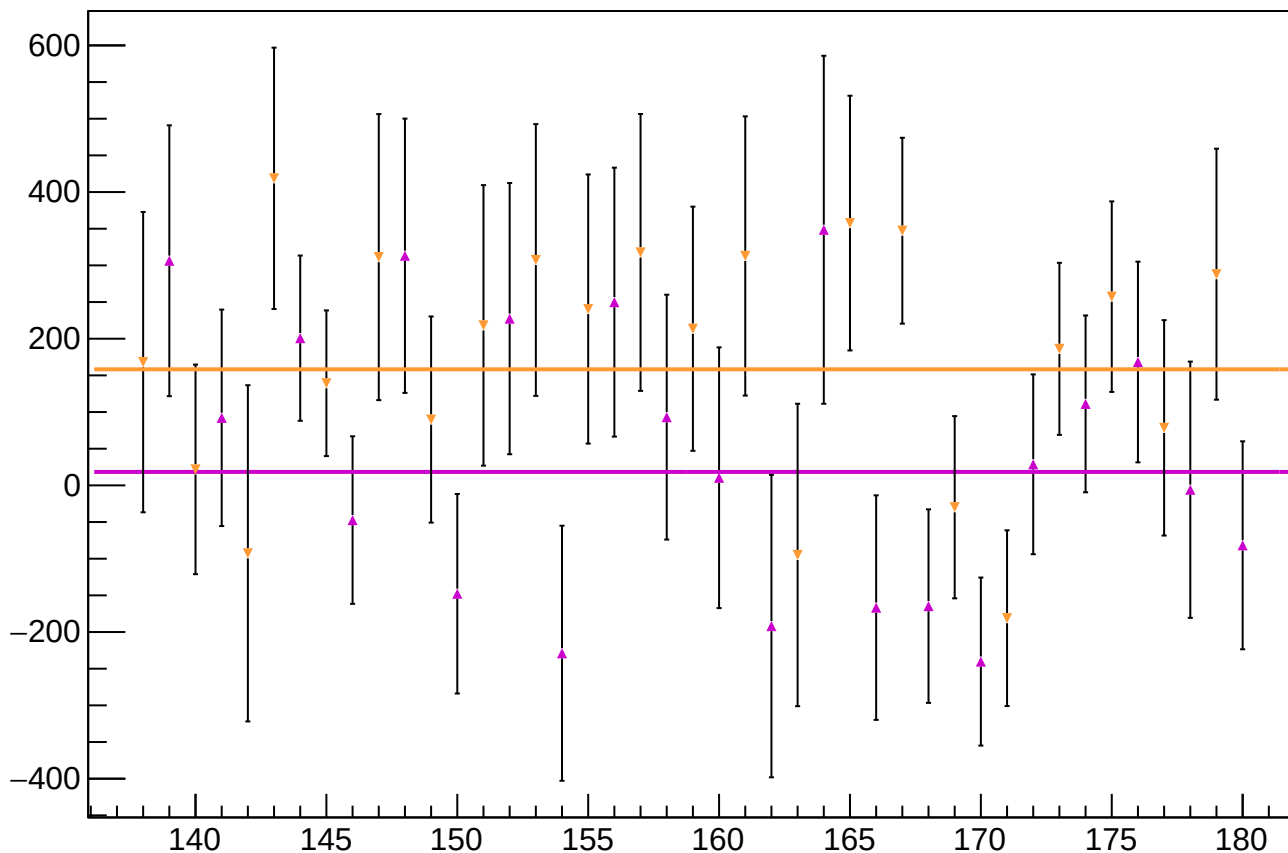
Left In: 121.012+/-0.022 χ^2/NDF :1381898.9/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 121.769+/-0.015 χ^2/NDF : 3060137.6/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 158.273 $\pm$ 32.526 χ^2 /NDF:24.4/21

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

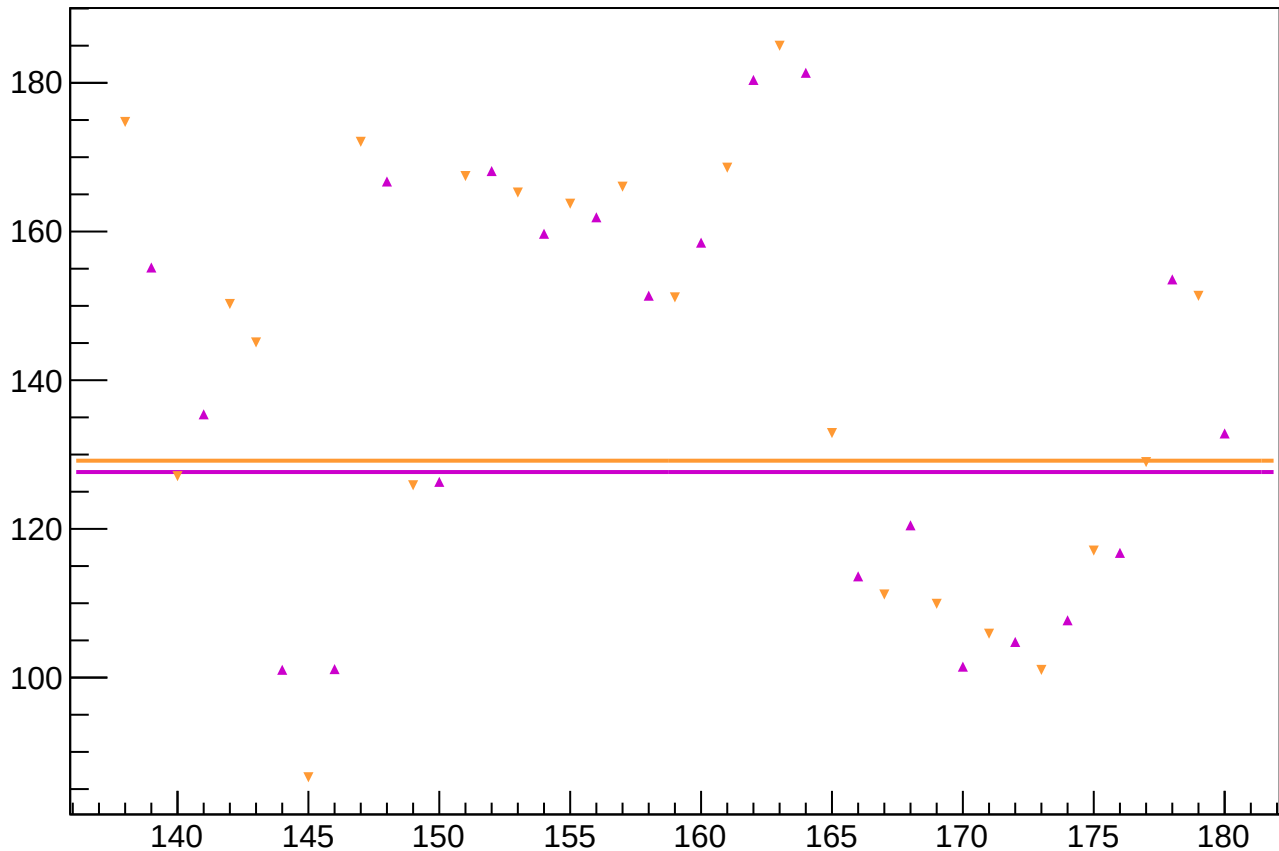
Left In: 18.353 $\pm$ 32.250 χ^2 /NDF:28.5/20

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

All: 87.716 $\pm$ 22.901 χ^2 /NDF: 62.2/42

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

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 129.175+/-0.023 χ^2/NDF :1498688.0/21

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

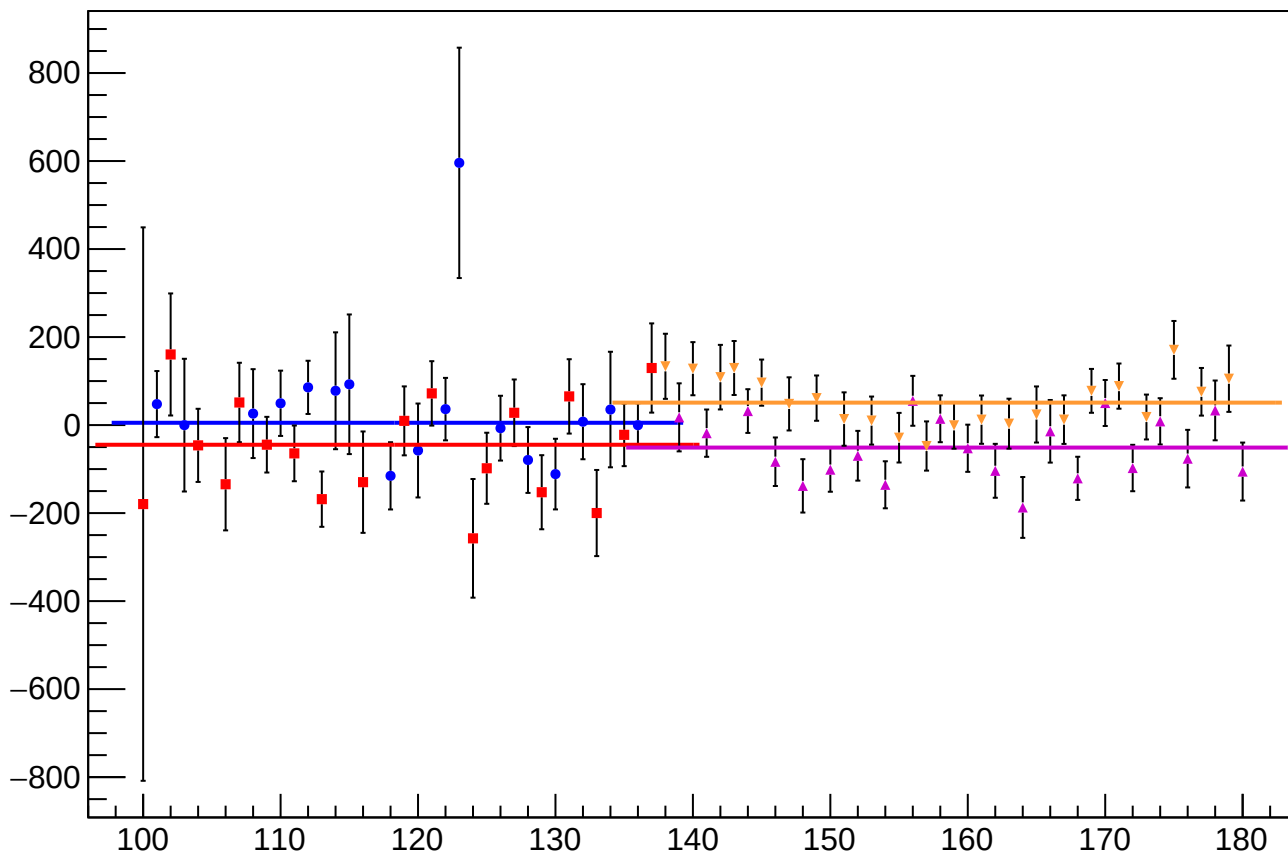
Left In: 127.647+/-0.023 χ^2/NDF :1234699.4/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 128.404+/-0.016 χ^2/NDF : 2735613.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 51.010 ± 12.258 χ^2/NDF : 20.1/21

Right Out: -44.715 ± 19.410 χ^2/NDF : 24.4/18

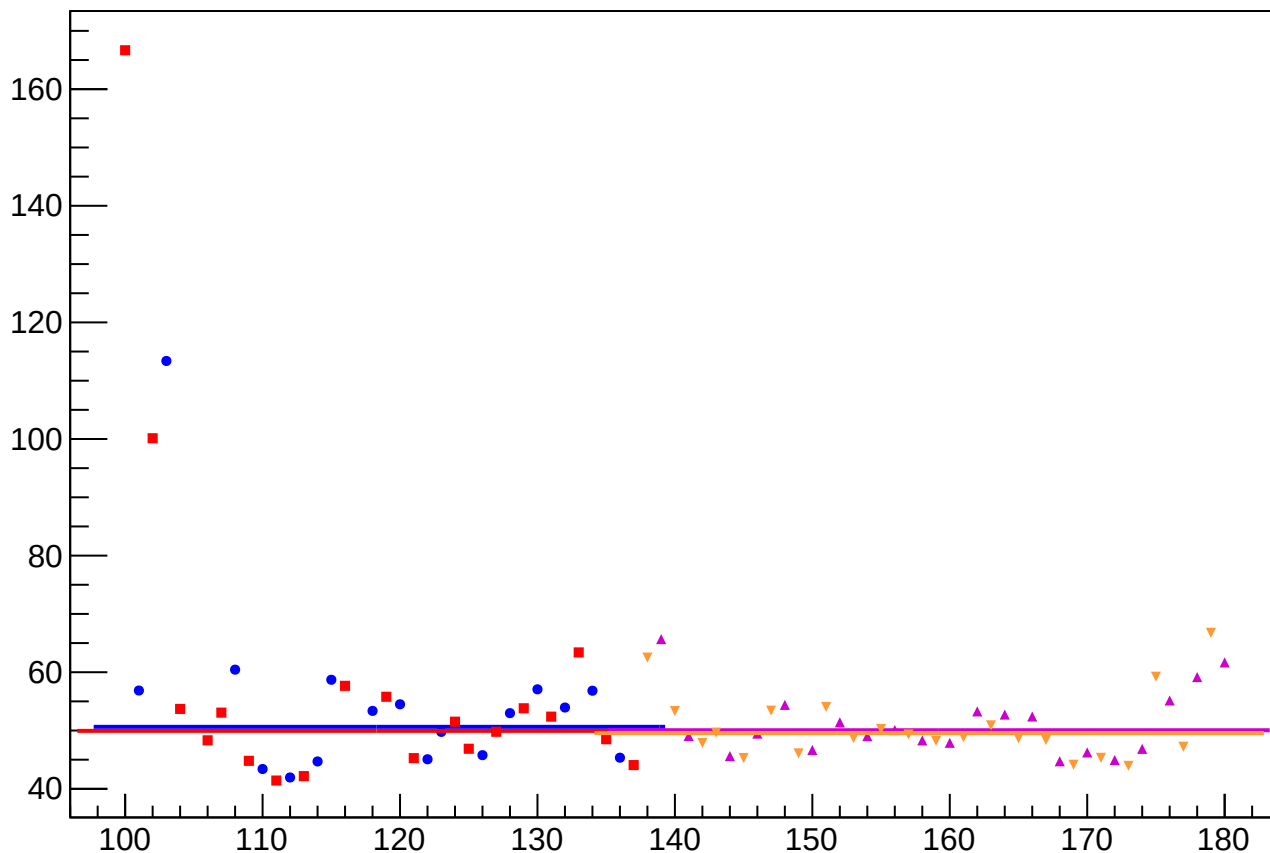
Left In: -51.121 ± 12.452 χ^2/NDF : 30.1/20

+ sign 38.643 ± 10.472 χ^2/NDF : 38.6/38

All: -5.269 ± 7.408 χ^2/NDF : 128.3/78

- sign -49.253 ± 10.481 χ^2/NDF : 54.6/39

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.559 $\pm$ 0.009 χ^2 /NDF: 329415.5/21

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

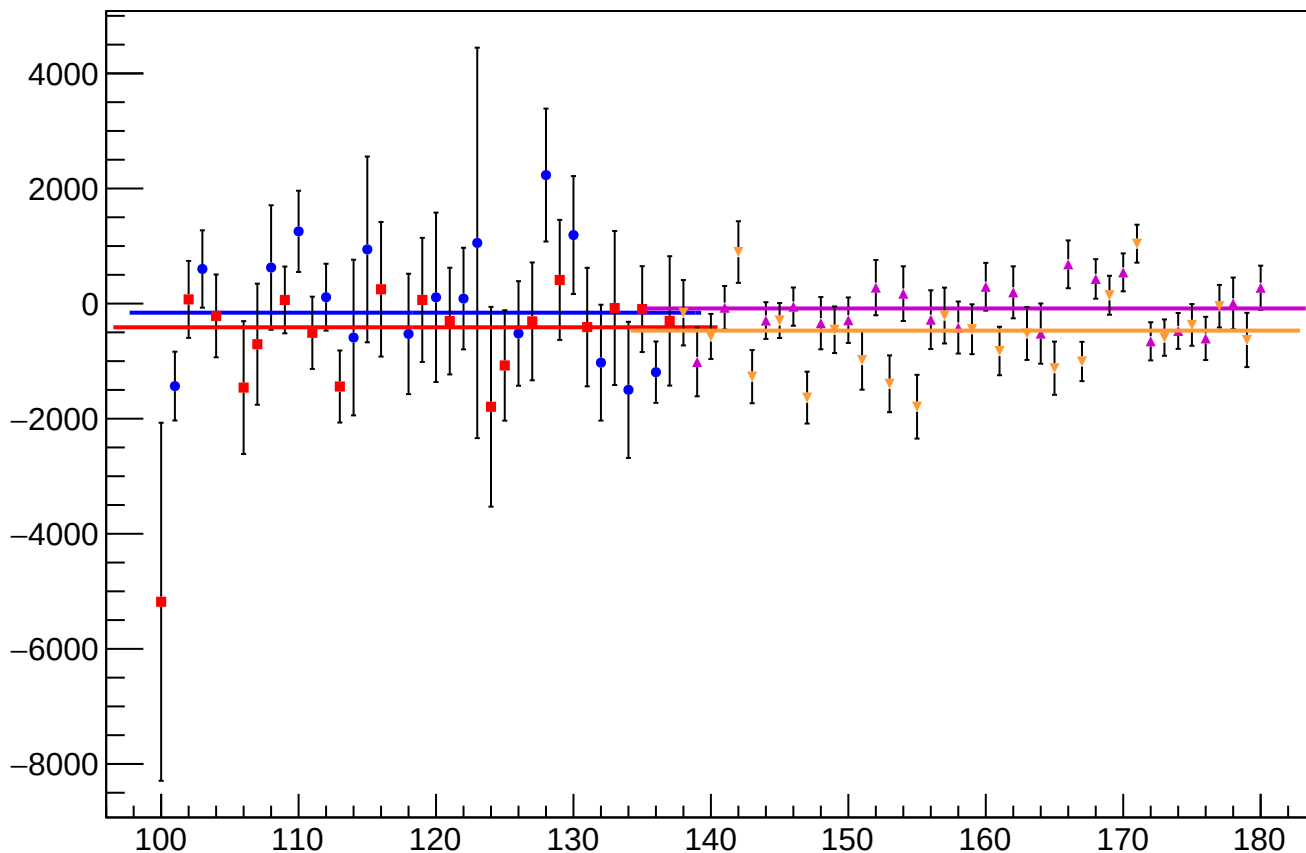
Left In: 50.049 $\pm$ 0.009 χ^2 /NDF: 306703.7/20

+ sign 49.850 $\pm$ 0.007 χ^2 /NDF: 853263.0/38

All: 49.934 $\pm$ 0.005 χ^2 /NDF: 1660757.1/78

- sign 50.018 $\pm$ 0.007 χ^2 /NDF: 807235.1/39

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -469.106 $\pm$ 87.249 χ^2 /NDF: 58.5/21

Right Out: -411.611 $\pm$ 203.633 χ^2 /NDF: 9.8/18

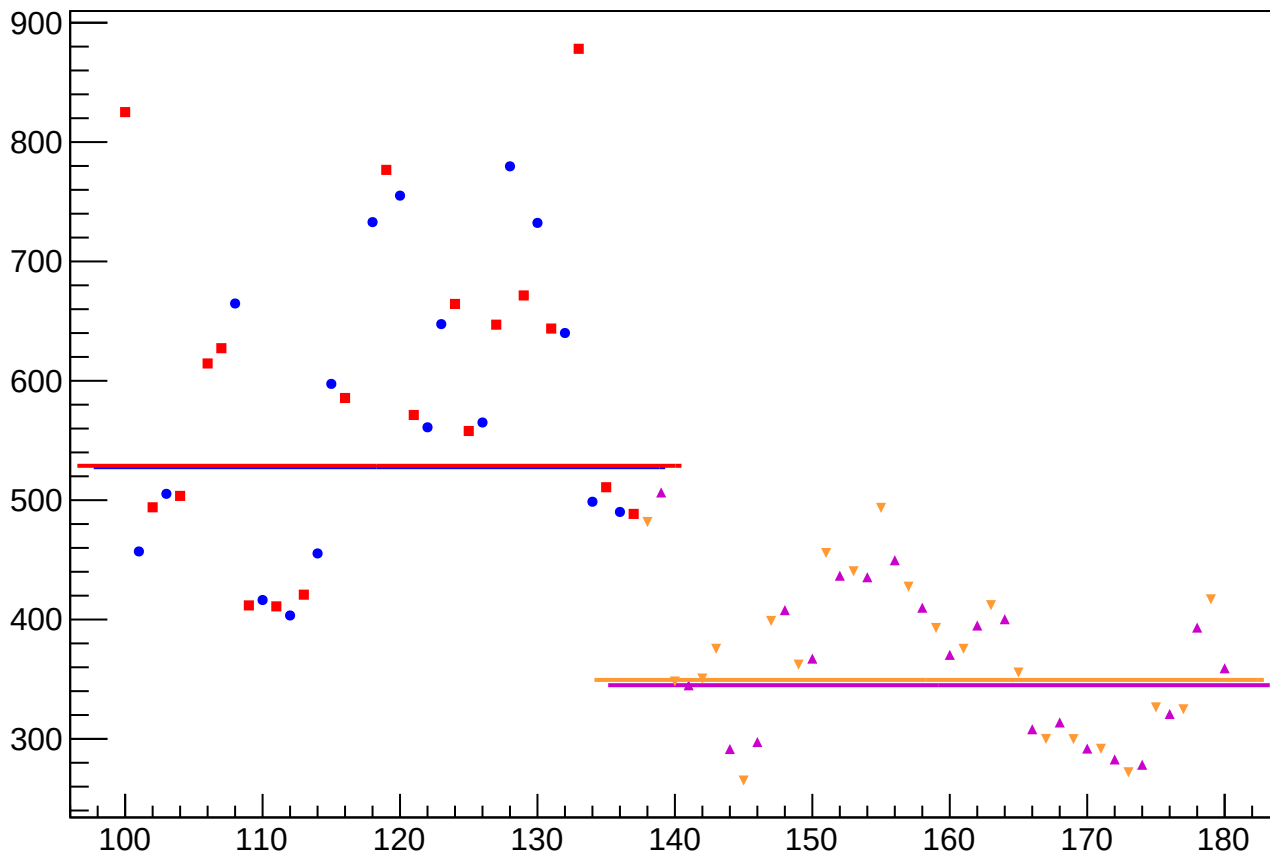
Left In: -84.488 $\pm$ 86.517 χ^2 /NDF: 23.6/20

+ sign -423.376 $\pm$ 80.582 χ^2 /NDF: 83.8/38

All: -277.221 $\pm$ 56.640 χ^2 /NDF: 125.8/78

- sign -134.508 $\pm$ 79.628 χ^2 /NDF: 35.5/39

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 349.417+/-0.062 χ^2/NDF : 1024681.5/21

Right Out: 528.806+/-0.144 χ^2/NDF : 623364.6/18

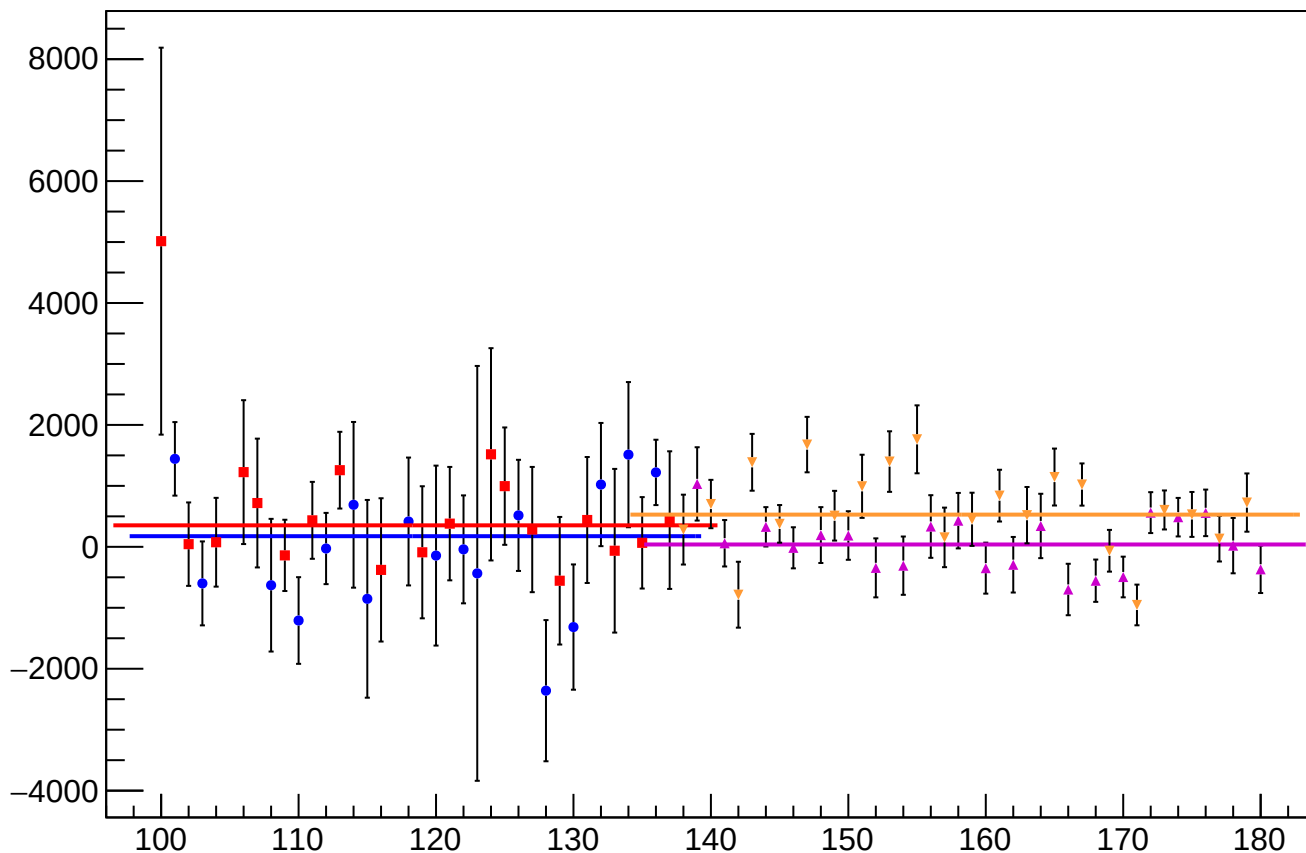
Left In: 345.000+/-0.061 χ^2/NDF : 893906.6/20

+ sign 375.618+/-0.057 χ^2/NDF : 2809085.0/38

All: 374.347+/-0.040 χ^2/NDF : 5707671.2/78

- sign 373.106+/-0.056 χ^2/NDF : 2897602.9/39

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 528.562 $\pm$ 88.200 χ^2 /NDF: 54.1/21

Right Out: 352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

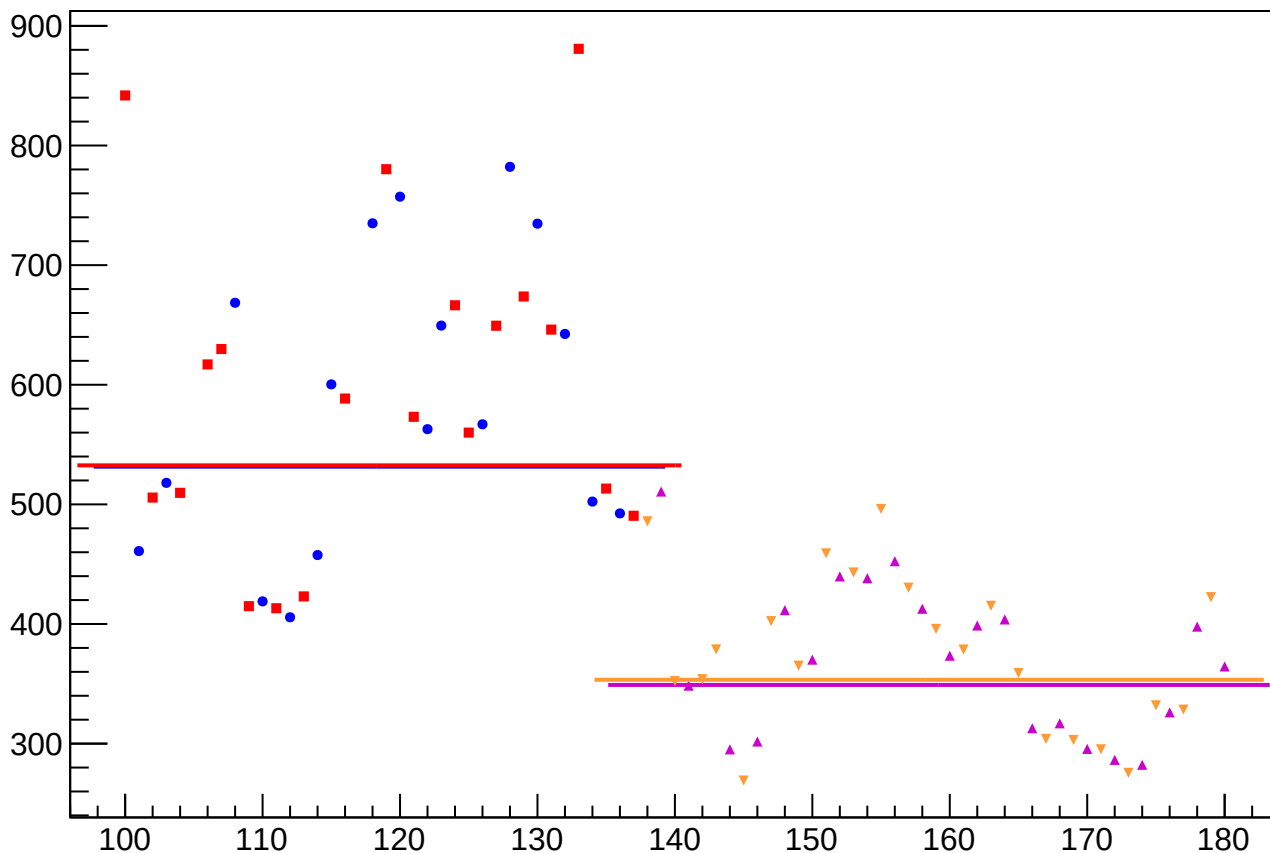
Left In: 38.533 $\pm$ 87.502 χ^2 /NDF: 23.7/20

+ sign 476.193 $\pm$ 81.414 χ^2 /NDF: 80.1/38

All: 279.297 $\pm$ 57.239 χ^2 /NDF: 125.8/78

- sign 86.849 $\pm$ 80.489 χ^2 /NDF: 34.1/39

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 353.376+/-0.062 χ^2/NDF : 998651.1/21

Right Out: 532.620+/-0.145 χ^2/NDF : 615746.2/18

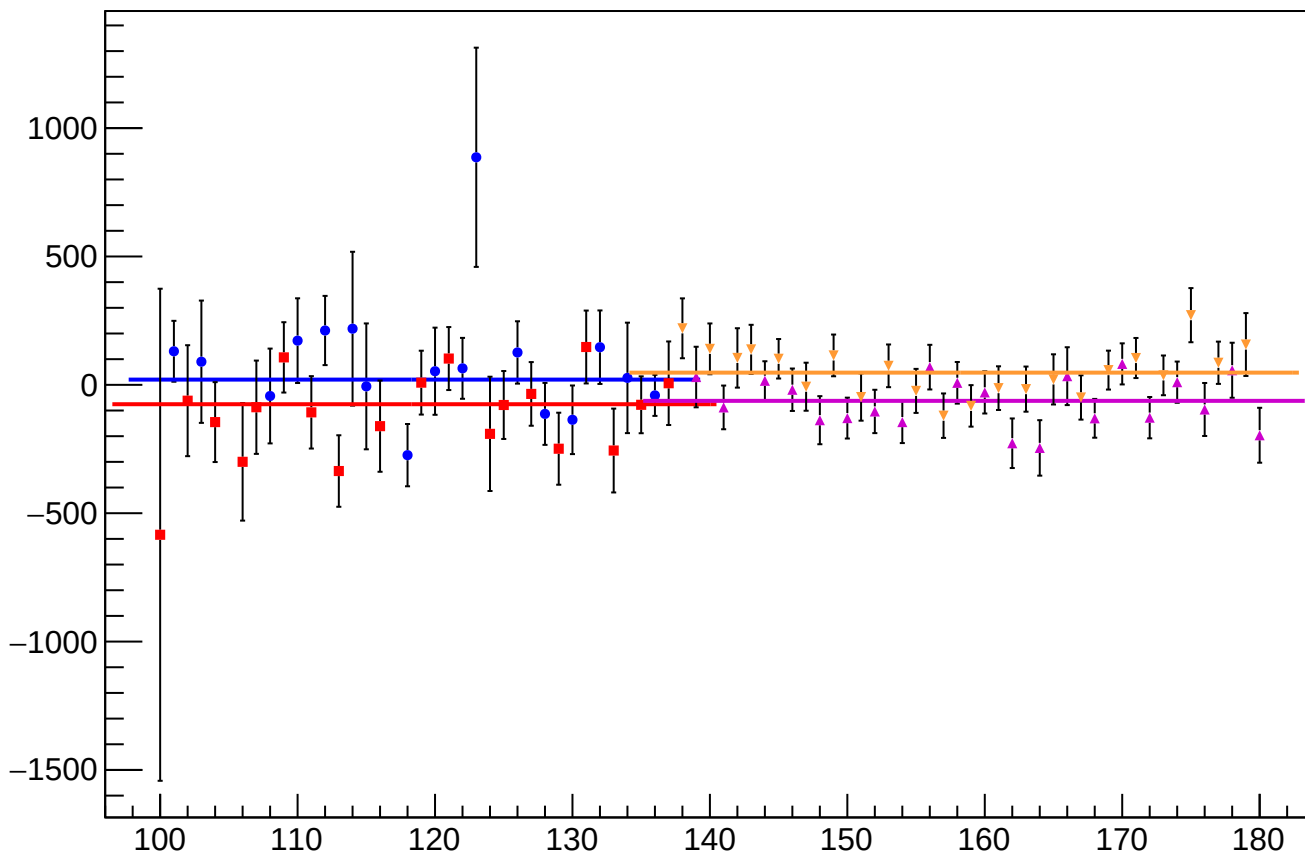
Left In: 349.068+/-0.062 χ^2/NDF : 870110.0/20

+ sign 379.738+/-0.058 χ^2/NDF : 2756318.9/38

All: 378.509+/-0.040 χ^2/NDF : 5597102.1/78

- sign 377.308+/-0.057 χ^2/NDF : 2839882.3/39

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 47.591 $\pm$ 18.915 χ^2 /NDF: 22.4/21

Right Out: -75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

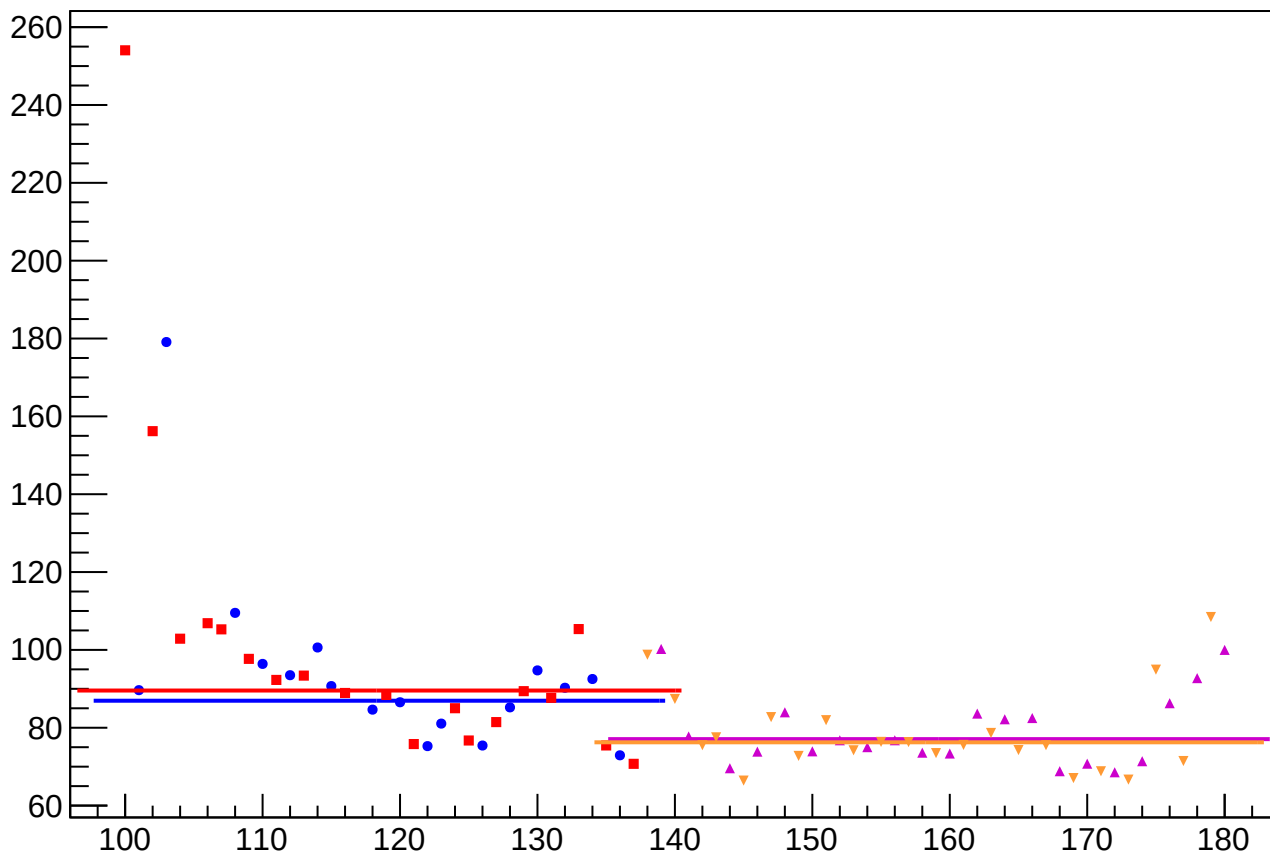
Left In: -62.344 $\pm$ 19.229 χ^2 /NDF: 22.8/20

+ sign 41.340 $\pm$ 16.595 χ^2 /NDF: 42.1/38

All: -11.326 $\pm$ 11.813 χ^2 /NDF: 100.9/78

- sign -65.424 $\pm$ 16.819 χ^2 /NDF: 38.3/39

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 76.259+/-0.013 χ^2/NDF : 445871.5/21

Right Out: 89.561+/-0.025 χ^2/NDF : 431229.7/18

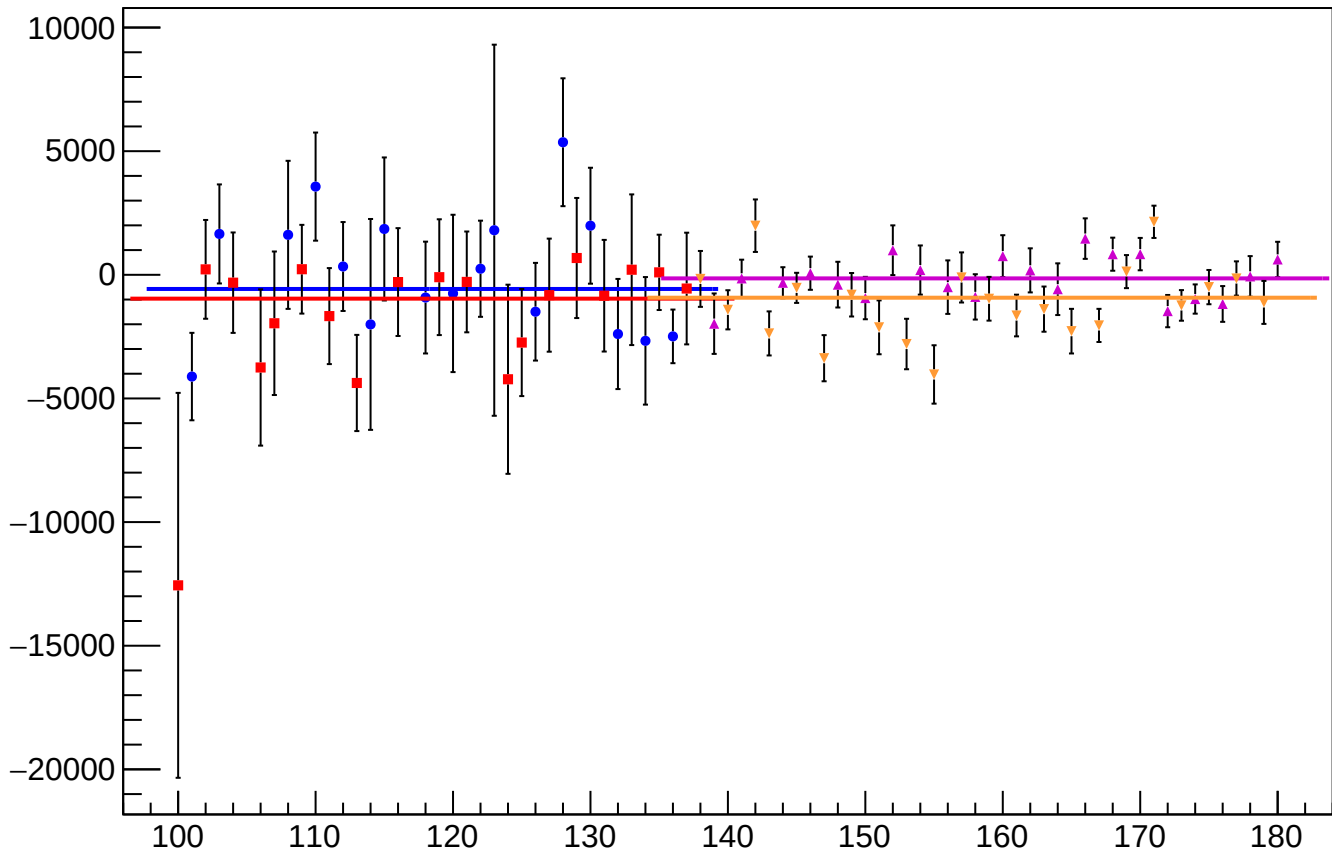
Left In: 77.076+/-0.014 χ^2/NDF : 360249.8/20

+ sign 78.719+/-0.012 χ^2/NDF : 1048603.4/38

All: 79.355+/-0.008 χ^2/NDF : 2044143.2/78

- sign 80.009+/-0.012 χ^2/NDF : 989574.6/39

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 $\pm$ 517.020 χ^2/NDF : 21.9/16

Left Out: -926.053 $\pm$ 173.586 χ^2/NDF : 63.0/21

Right Out: -963.846 $\pm$ 514.621 χ^2/NDF : 10.1/18

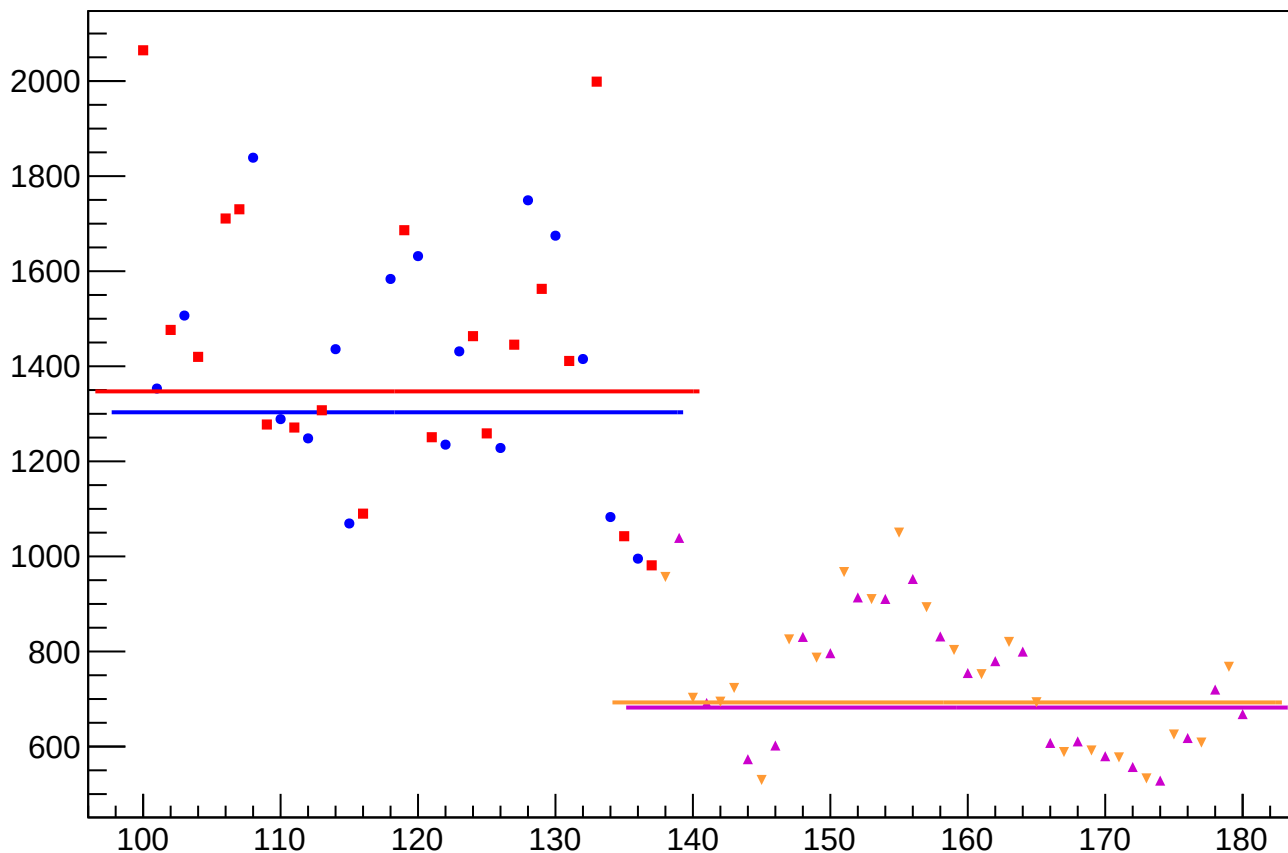
Left In: -144.755 $\pm$ 171.632 χ^2/NDF : 24.5/20

+ sign -890.221 $\pm$ 164.559 χ^2/NDF : 85.3/38

All: -554.948 $\pm$ 115.740 χ^2/NDF : 130.4/78

- sign -226.743 $\pm$ 162.816 χ^2/NDF : 36.9/39

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201 $\pm$ 0.366 χ^2 /NDF: 451961.9/16

Left Out: 692.839 $\pm$ 0.123 χ^2 /NDF:1231250.4/21

Right Out: 1347.177 $\pm$ 0.364 χ^2 /NDF: 420774.0/18

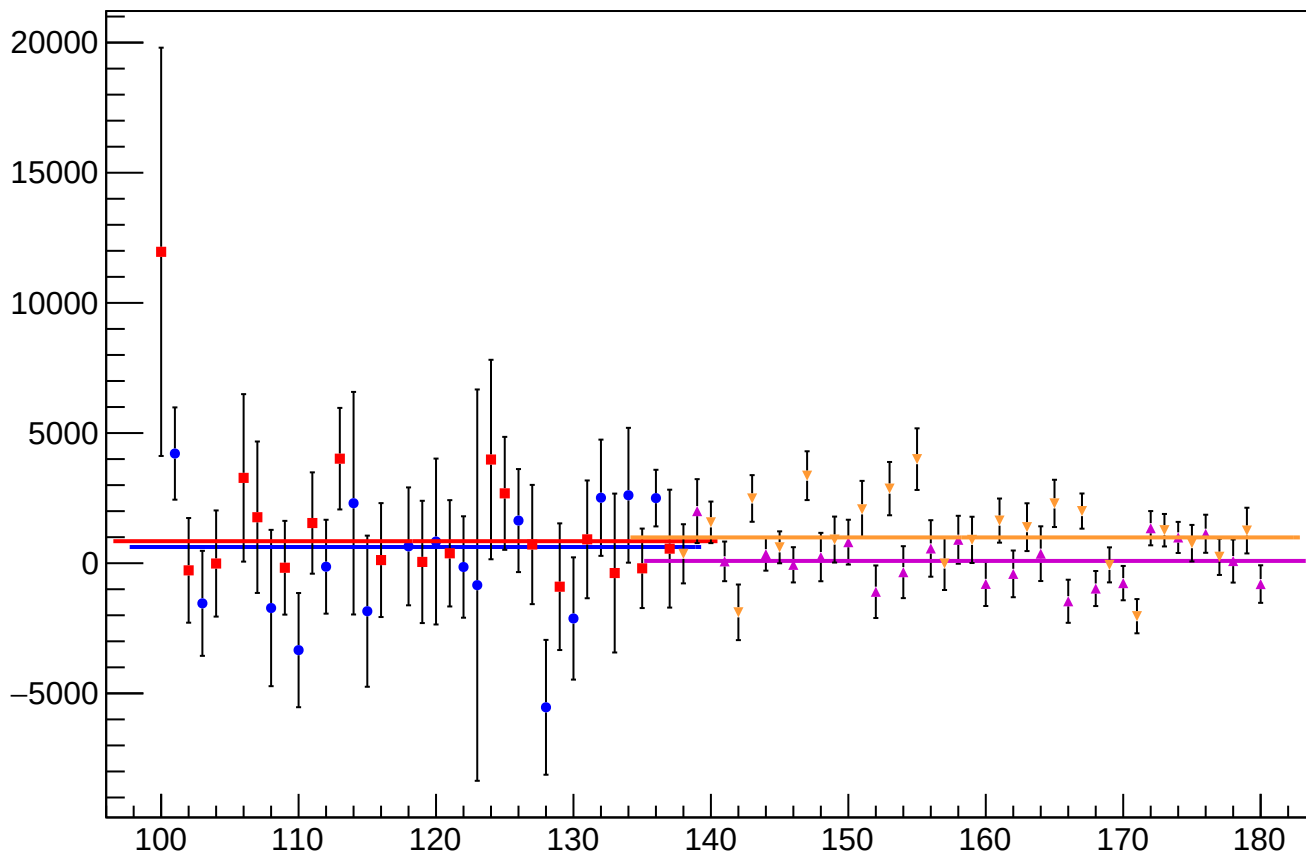
Left In: 682.053 $\pm$ 0.121 χ^2 /NDF:1117694.9/20

+ sign 754.672 $\pm$ 0.116 χ^2 /NDF: 4188178.8/38

All: 751.618 $\pm$ 0.082 χ^2 /NDF: 8734477.5/78

- sign 748.629 $\pm$ 0.115 χ^2 /NDF: 4544936.0/39

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 991.143 $\pm$ 174.776 χ^2 /NDF:59.7/21

Right Out: 846.021 $\pm$ 516.325 χ^2 /NDF: 9.1/18

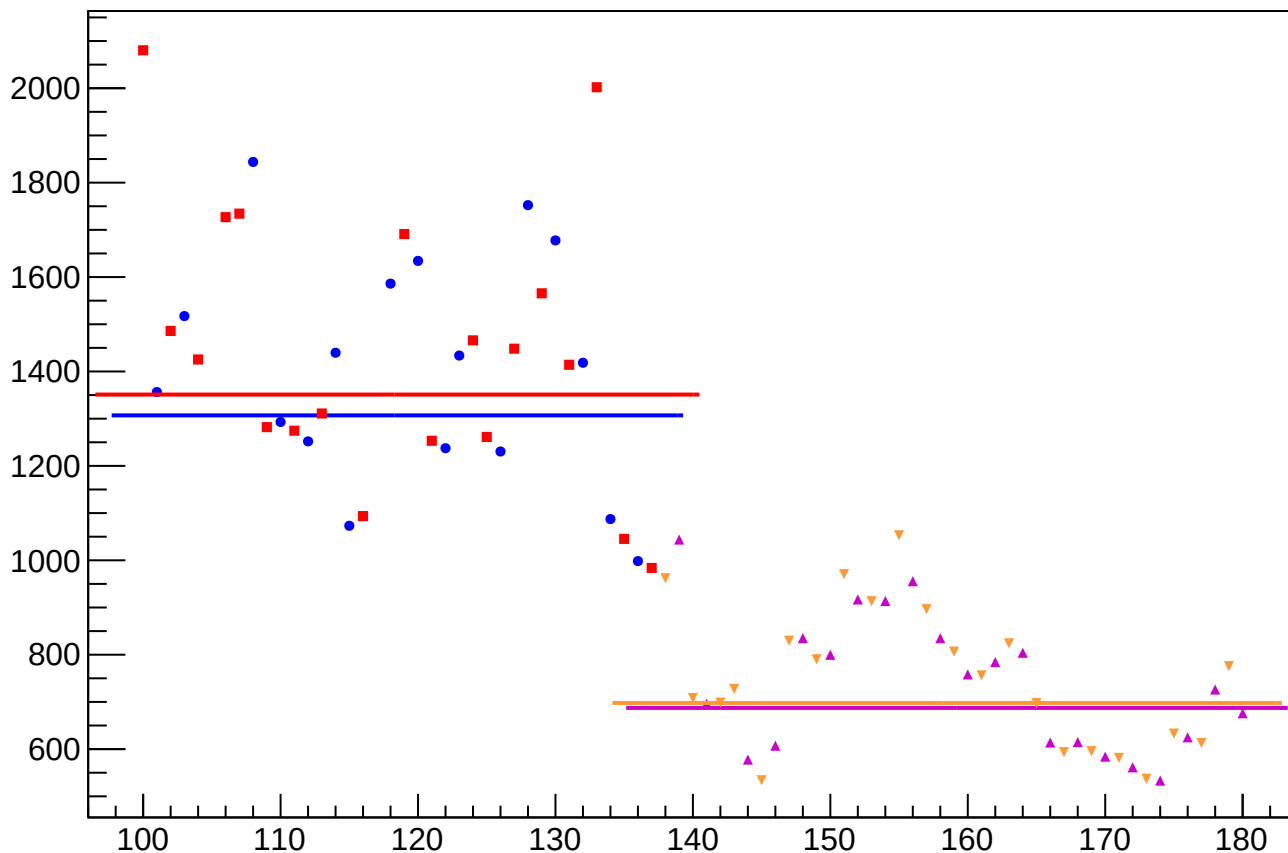
Left In: 87.914 $\pm$ 172.887 χ^2 /NDF:24.5/20

+ sign 953.521 $\pm$ 165.620 χ^2 /NDF: 82.1/38

All: 554.911 $\pm$ 116.513 χ^2 /NDF: 129.1/78

- sign 164.343 $\pm$ 163.941 χ^2 /NDF: 35.5/39

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 $\chi^2/\text{NDF}: 451191.7/16$

Left Out: 697.800 ± 0.124 $\chi^2/\text{NDF}: 1212608.0/21$

Right Out: 1351.096 ± 0.365 $\chi^2/\text{NDF}: 421804.6/18$

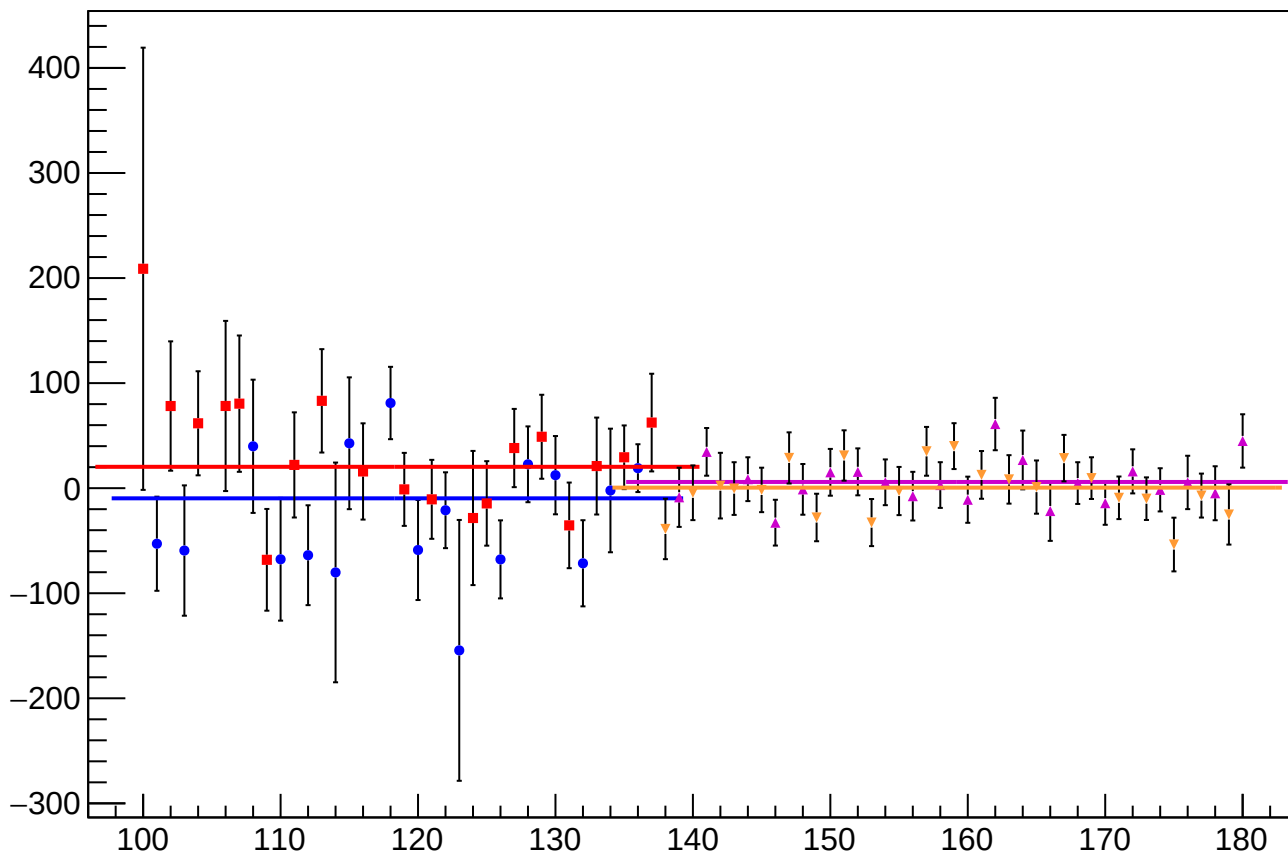
Left In: 687.258 ± 0.122 $\chi^2/\text{NDF}: 1097852.6/20$

+ sign 759.956 ± 0.117 $\chi^2/\text{NDF}: 4142890.4/38$

All: 757.040 ± 0.082 $\chi^2/\text{NDF}: 8636522.0/78$

- sign 754.183 ± 0.116 $\chi^2/\text{NDF}: 4492404.3/39$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 0.510 ± 4.962 χ^2/NDF : 22.3/21

Right Out: 20.335 ± 10.444 χ^2/NDF : 14.7/18

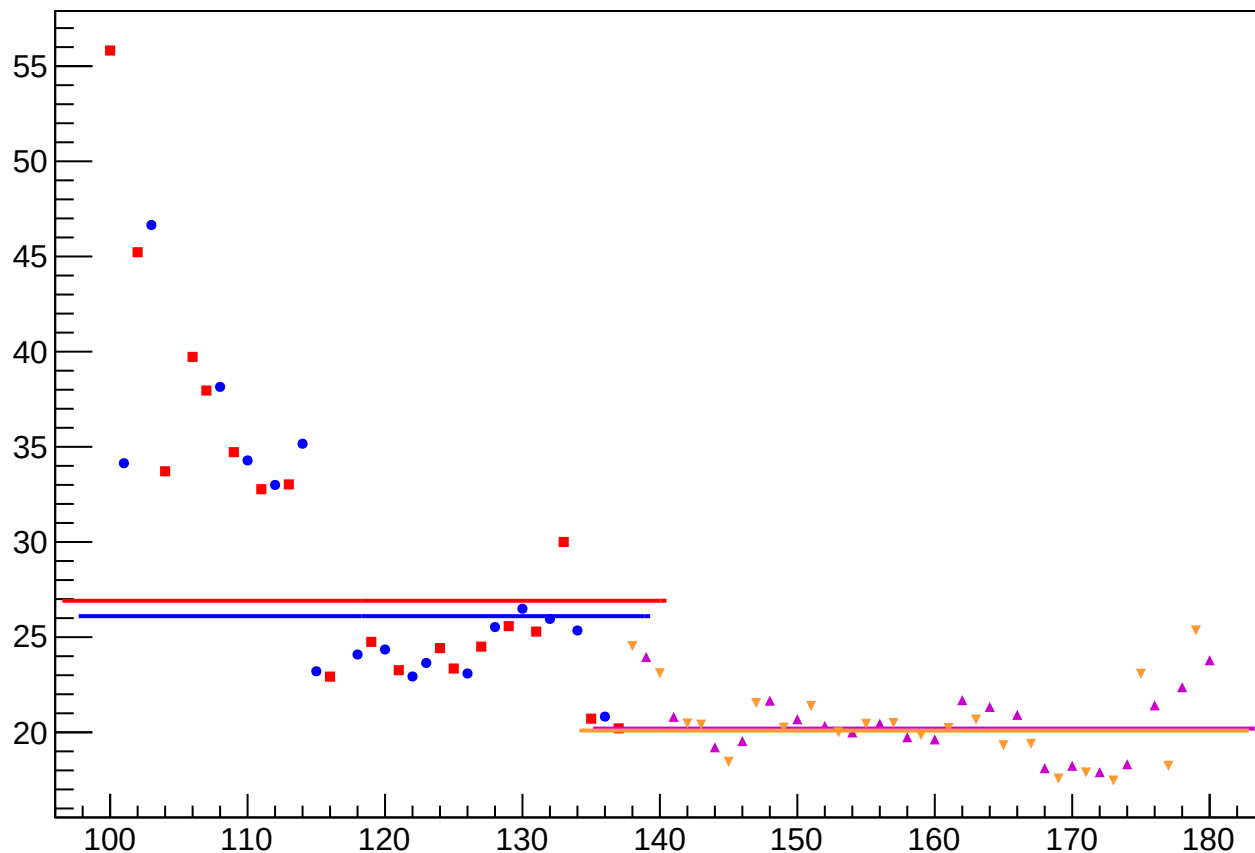
Left In: 5.910 ± 5.015 χ^2/NDF : 16.7/20

+ sign -1.375 ± 4.479 χ^2/NDF : 45.7/38

All: 3.572 ± 3.182 χ^2/NDF : 81.0/78

- sign 8.613 ± 4.521 χ^2/NDF : 32.9/39

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.094 $\pm$ 0.004 χ^2 /NDF:306369.0/21

Right Out: 26.914 $\pm$ 0.007 χ^2 /NDF: 678970.2/18

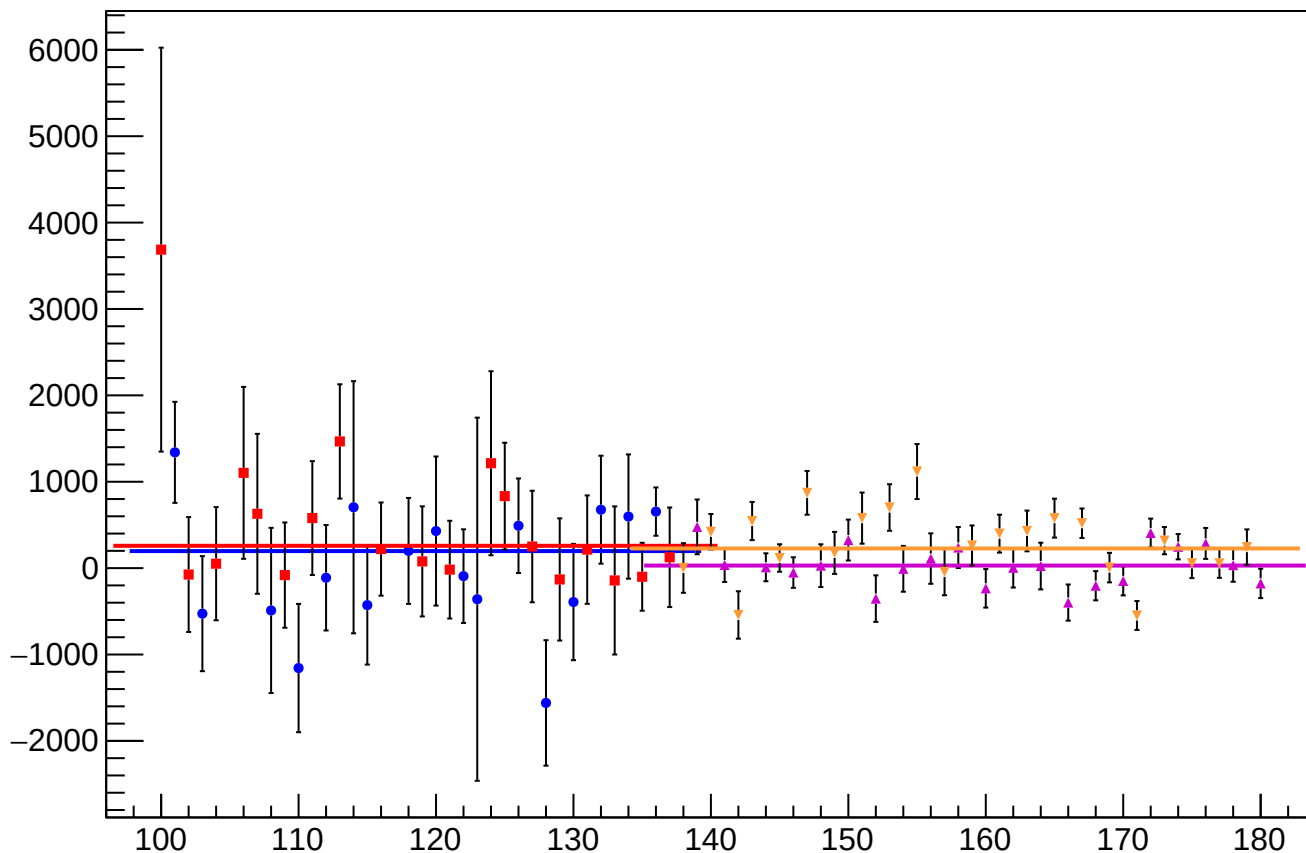
Left In: 20.197 $\pm$ 0.004 χ^2 /NDF:205327.9/20

+ sign 21.206 $\pm$ 0.003 χ^2 /NDF: 1453631.3/38

All: 21.330 $\pm$ 0.002 χ^2 /NDF: 3013182.5/78

- sign 21.456 $\pm$ 0.003 χ^2 /NDF: 1556474.3/39

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 227.765 $\pm$ 44.476 χ^2 /NDF: 64.1/21

Right Out: 258.537 $\pm$ 149.867 χ^2 /NDF: 10.7/18

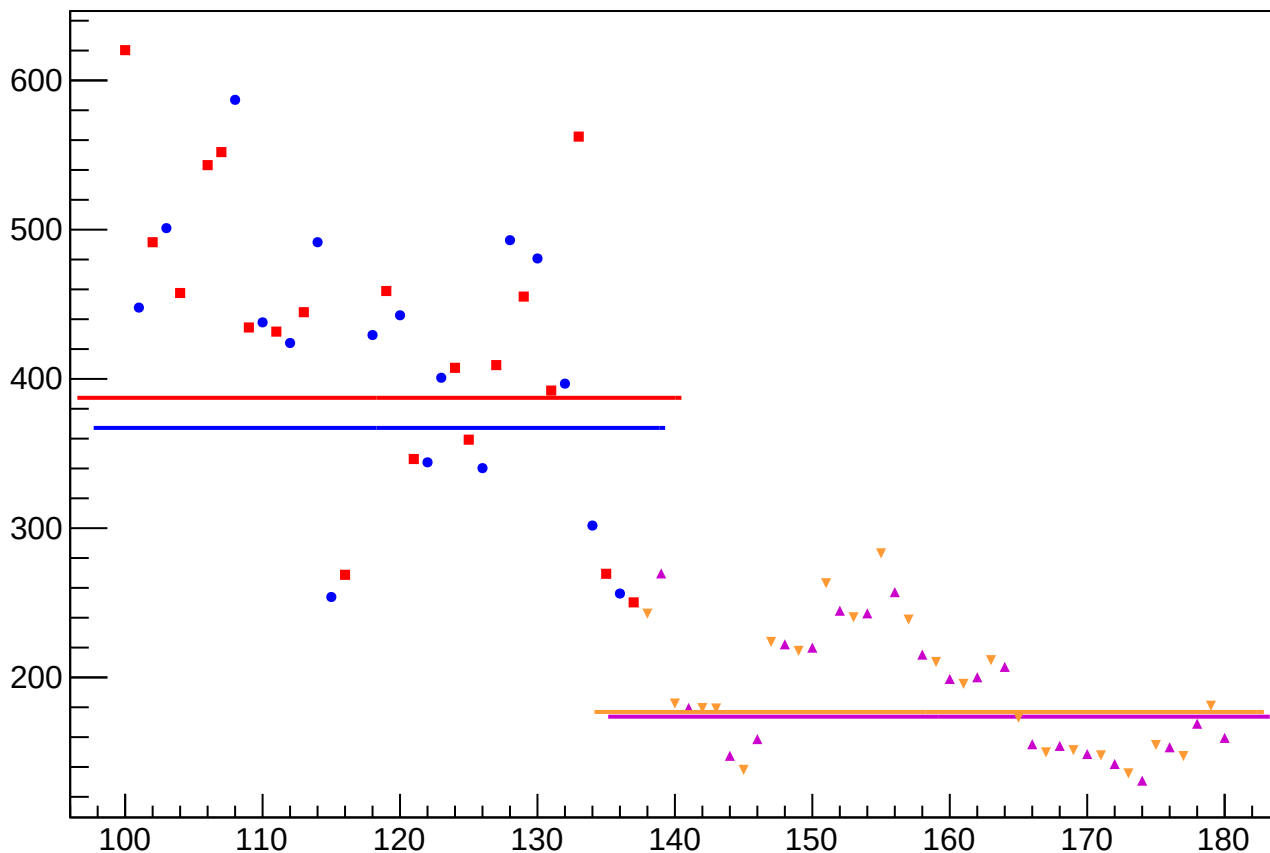
Left In: 29.713 $\pm$ 43.876 χ^2 /NDF: 26.2/20

+ sign 225.240 $\pm$ 42.591 χ^2 /NDF: 85.1/38

All: 135.497 $\pm$ 29.945 χ^2 /NDF: 132.9/78

- sign 47.778 $\pm$ 42.109 χ^2 /NDF: 39.0/39

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 176.877 $\pm$ 0.031 χ^2 /NDF:1448253.0/21

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

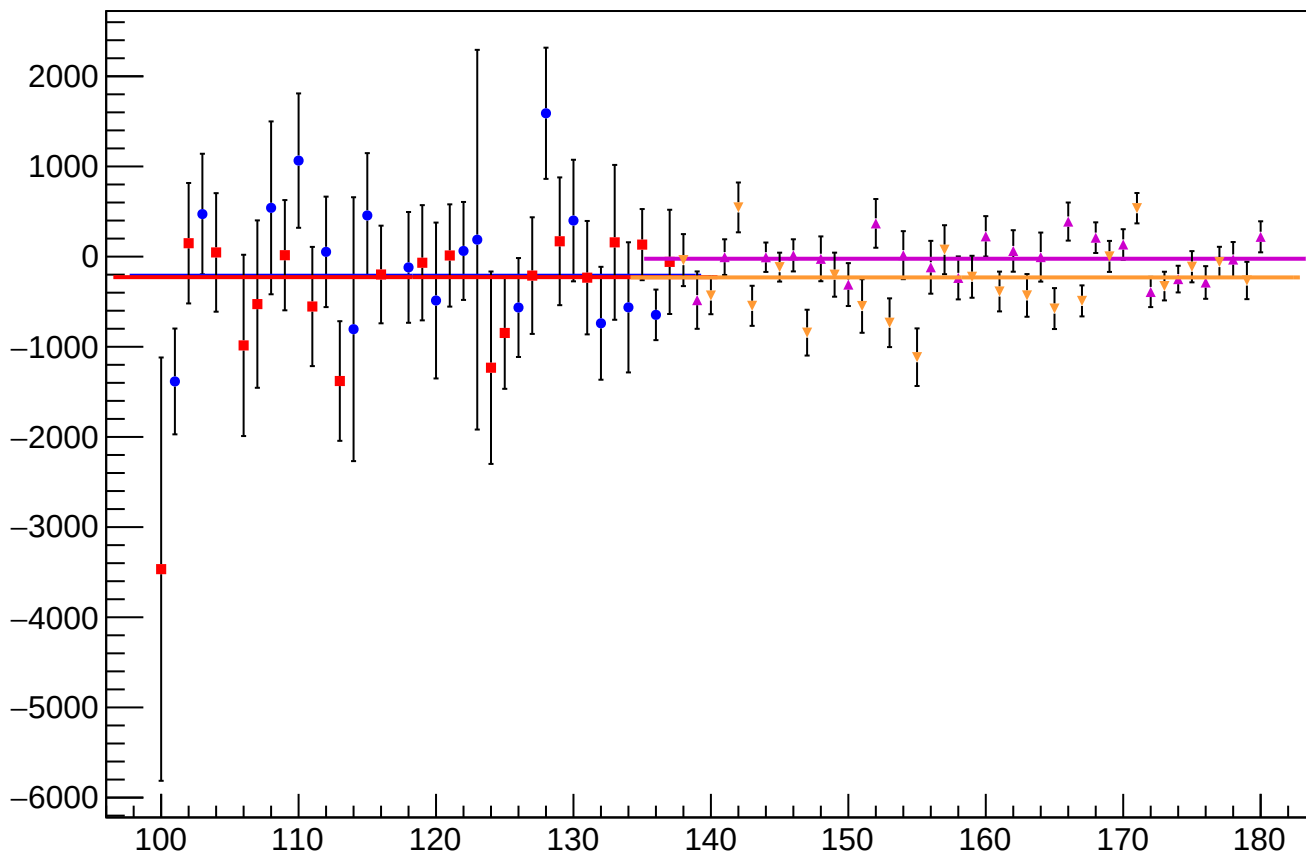
Left In: 173.699 $\pm$ 0.031 χ^2 /NDF:1359774.1/20

+ sign 192.662 $\pm$ 0.030 χ^2 /NDF: 5312634.4/38

All: 191.602 $\pm$ 0.021 χ^2 /NDF: 11193020.9/78

- sign 190.565 $\pm$ 0.030 χ^2 /NDF: 5877934.3/39

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -230.618 ± 44.793 χ^2/NDF : 61.5/21

Right Out: -227.831 ± 150.317 χ^2/NDF : 10.1/18

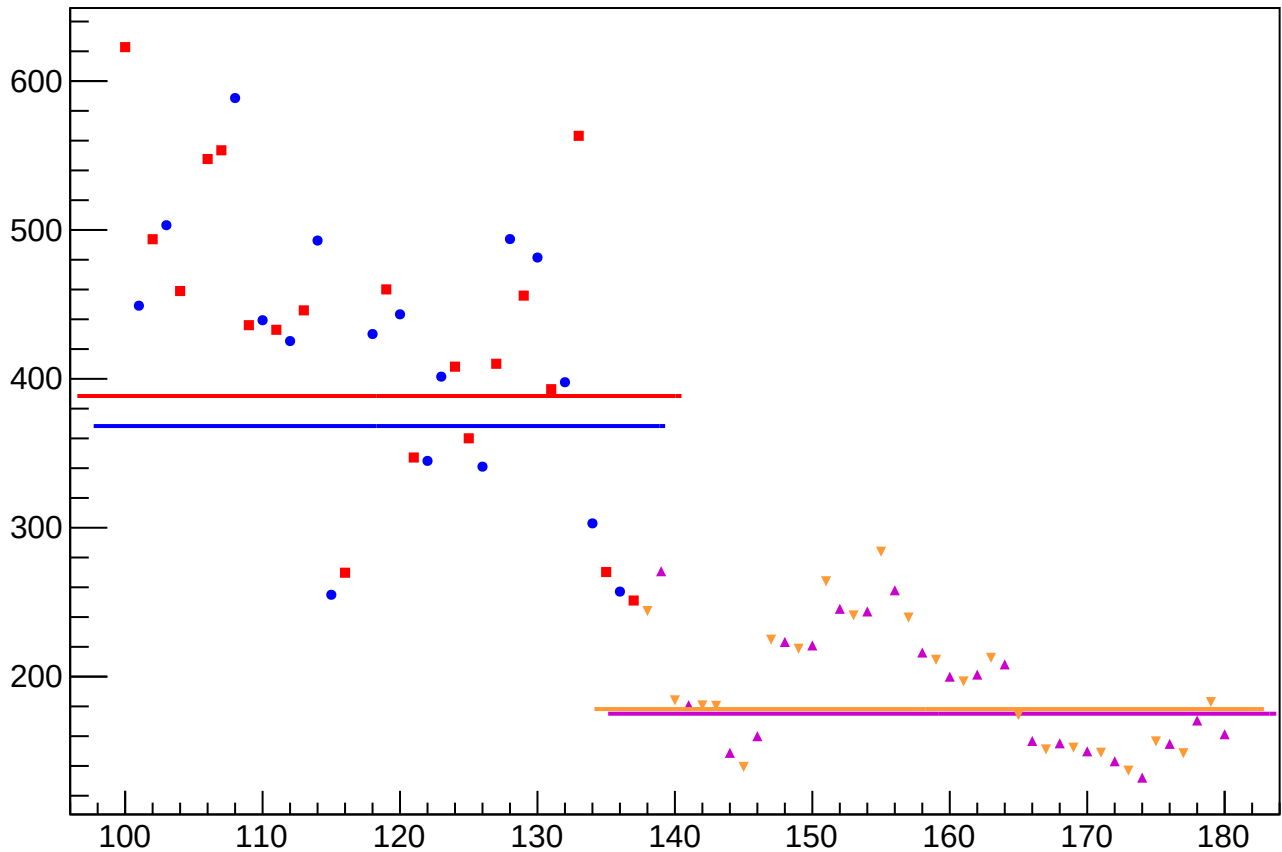
Left In: -23.579 ± 44.208 χ^2/NDF : 25.8/20

+ sign -229.050 ± 42.880 χ^2/NDF : 82.5/38

All: -133.406 ± 30.154 χ^2/NDF : 129.9/78

- sign -39.840 ± 42.412 χ^2/NDF : 37.6/39

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 ± 0.105 $\chi^2/\text{NDF}: 824619.2/16$

Left Out: 178.212 ± 0.032 $\chi^2/\text{NDF}: 1424867.9/21$

Right Out: 388.472 ± 0.106 $\chi^2/\text{NDF}: 774717.2/18$

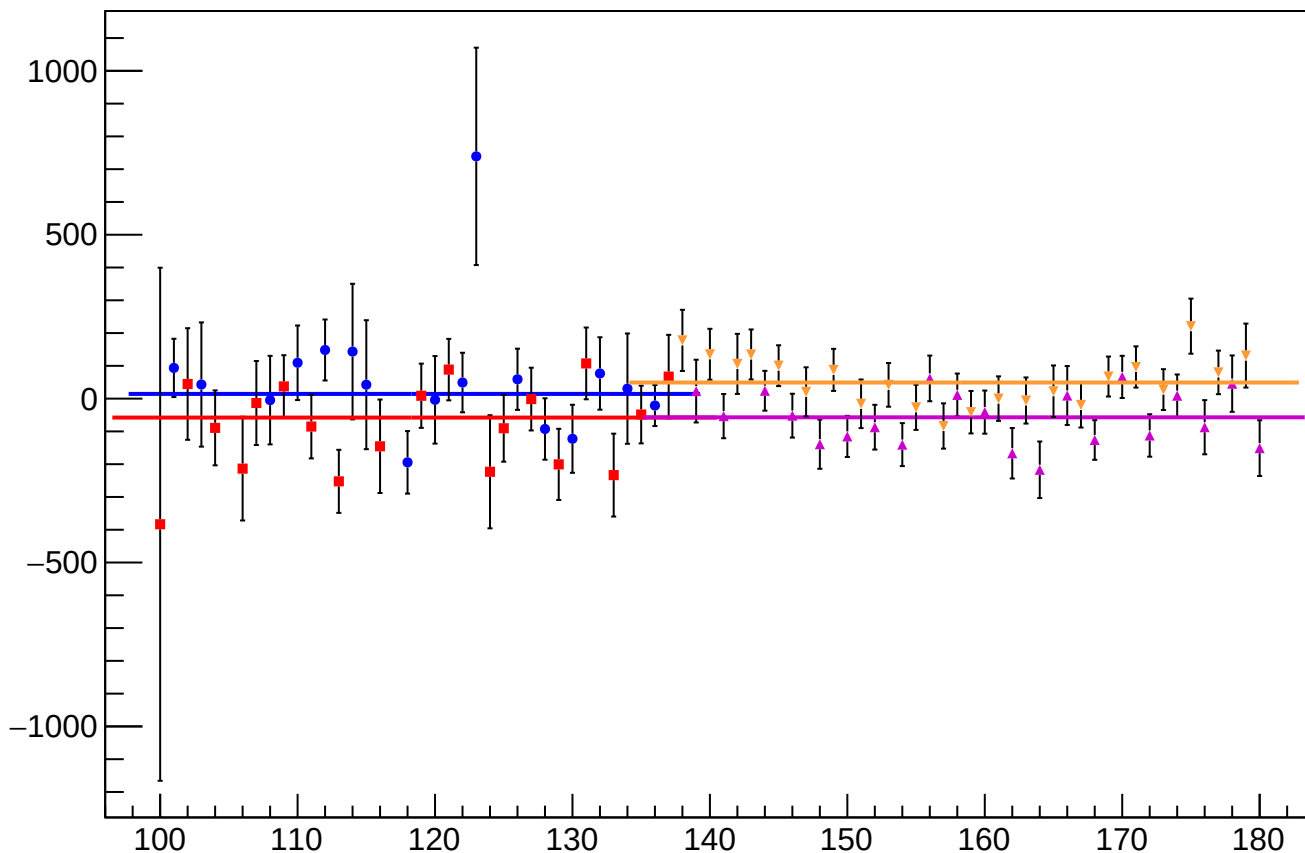
Left In: 175.089 ± 0.031 $\chi^2/\text{NDF}: 1334167.4/20$

+ sign 194.101 ± 0.030 $\chi^2/\text{NDF}: 5260150.9/38$

All: 193.078 ± 0.021 $\chi^2/\text{NDF}: 11080723.5/78$

- sign 192.077 ± 0.030 $\chi^2/\text{NDF}: 5818319.4/39$

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 49.176 $\pm$ 15.146 χ^2 /NDF:21.7/21

Right Out: -57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

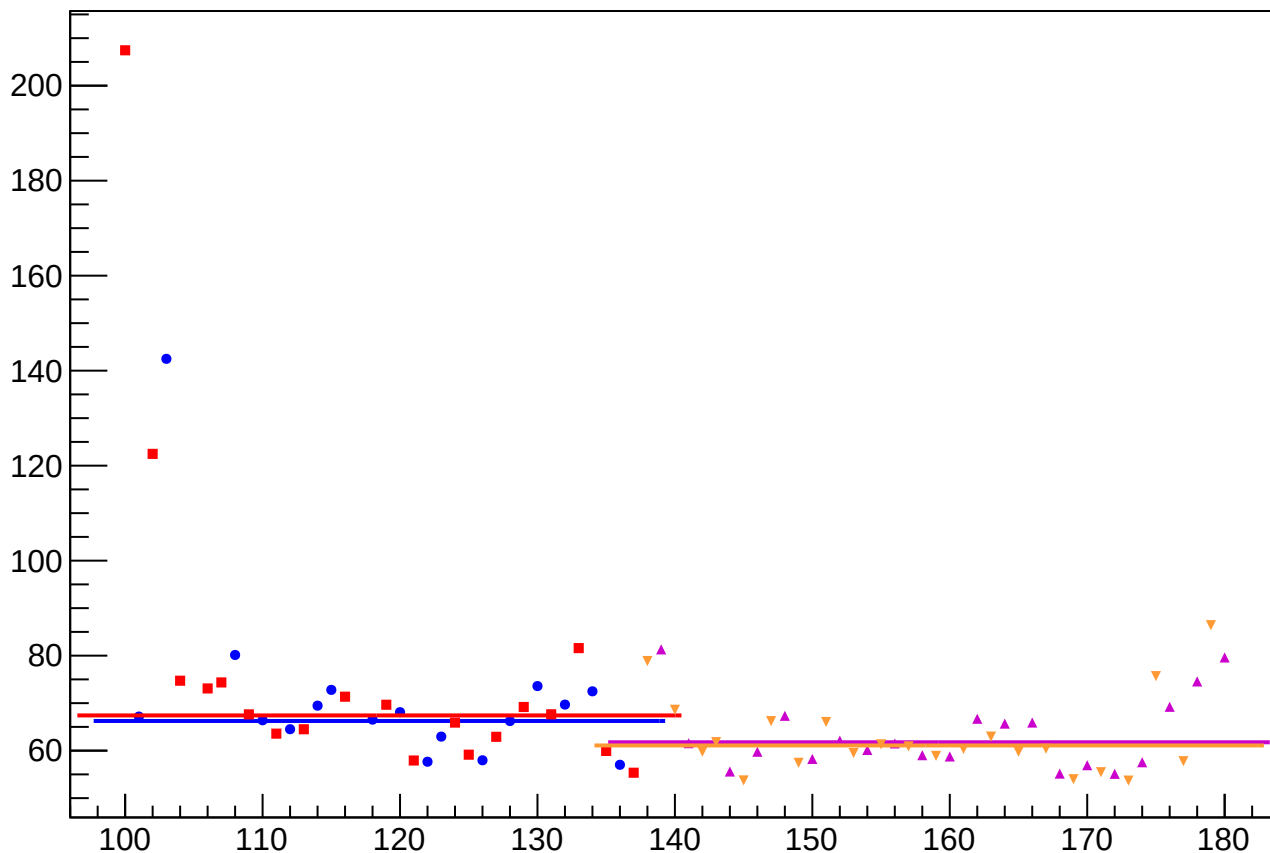
Left In: -57.041 $\pm$ 15.403 χ^2 /NDF:26.0/20

+ sign 40.528 $\pm$ 13.129 χ^2 /NDF: 40.7/38

All: -7.842 $\pm$ 9.332 χ^2 /NDF: 112.5/78

- sign -57.236 $\pm$ 13.268 χ^2 /NDF: 44.4/39

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 61.093+/-0.011 χ^2/NDF : 421667.8/21

Right Out: 67.415+/-0.018 χ^2/NDF : 393608.5/18

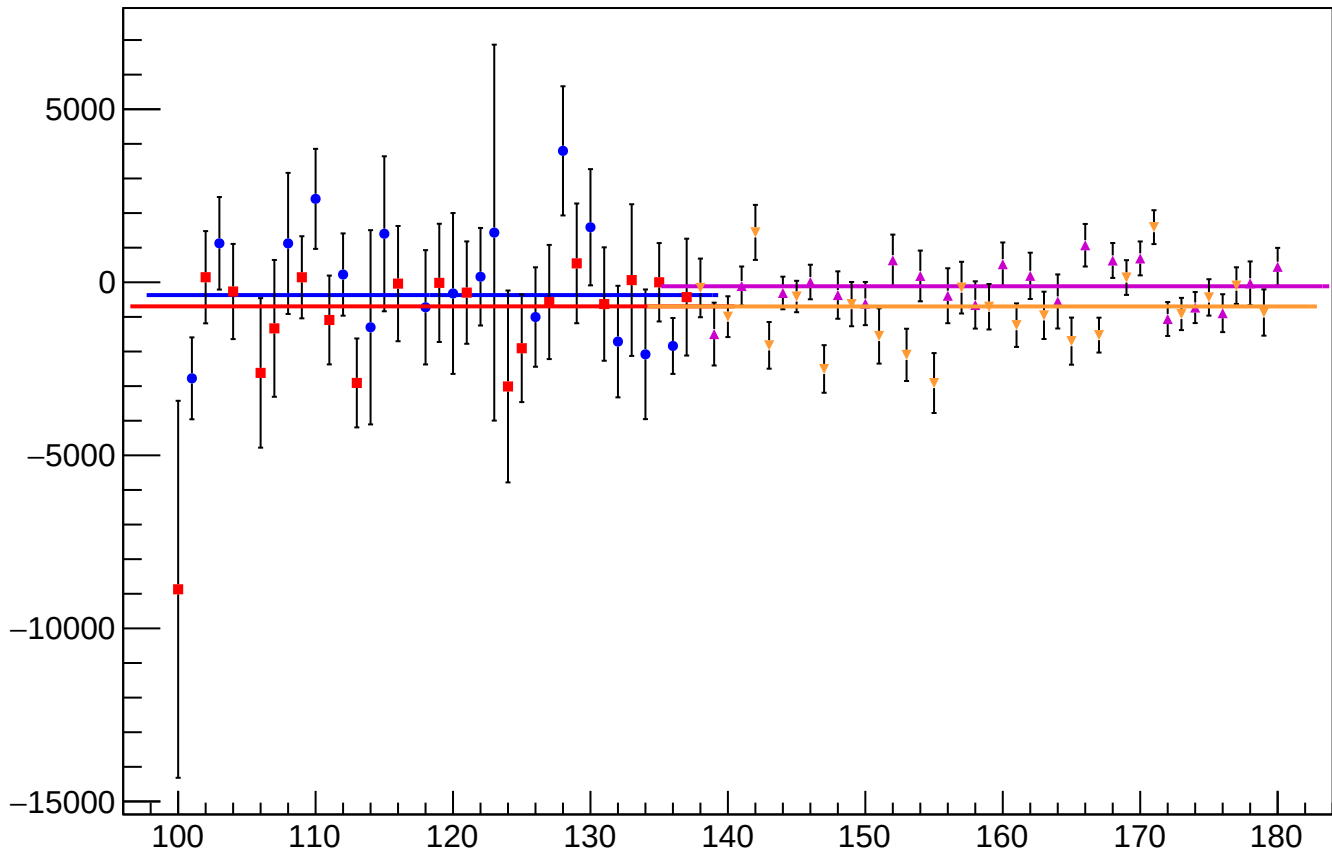
Left In: 61.762+/-0.011 χ^2/NDF : 361926.2/20

+ sign 62.374+/-0.009 χ^2/NDF : 920180.0/38

All: 62.793+/-0.007 χ^2/NDF : 1749336.6/78

- sign 63.220+/-0.009 χ^2/NDF : 825047.2/39

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 $\pm$ 366.432 χ^2 /NDF: 22.3/16

Left Out: -697.930 $\pm$ 129.982 χ^2 /NDF: 61.9/21

Right Out: -695.425 $\pm$ 361.887 χ^2 /NDF: 9.9/18

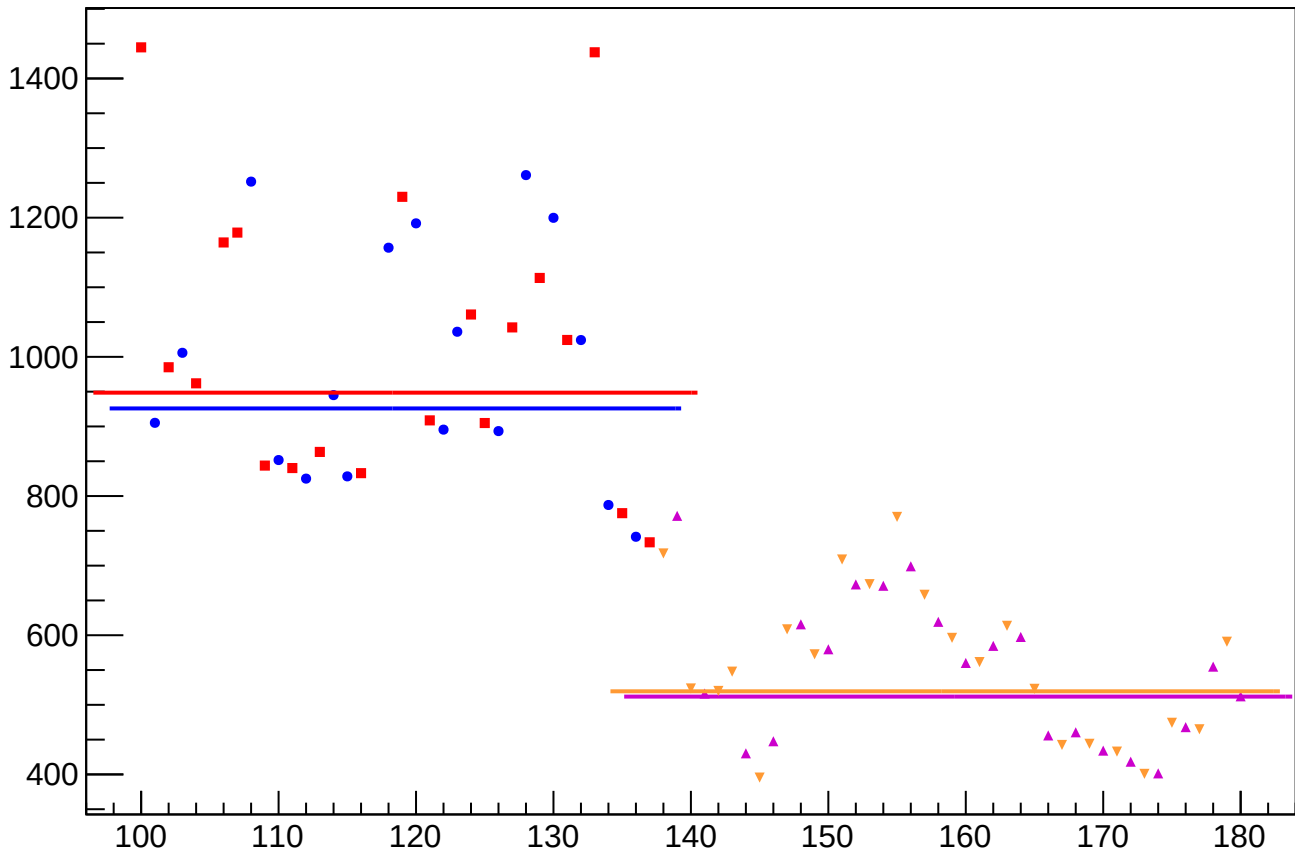
Left In: -114.920 $\pm$ 128.638 χ^2 /NDF: 24.1/20

+ sign -661.228 $\pm$ 122.503 χ^2 /NDF: 84.9/38

All: -418.077 $\pm$ 86.161 χ^2 /NDF: 129.0/78

- sign -180.041 $\pm$ 121.208 χ^2 /NDF: 36.3/39

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 519.420 $\pm$ 0.092 χ^2 /NDF: 1159424.4/21

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

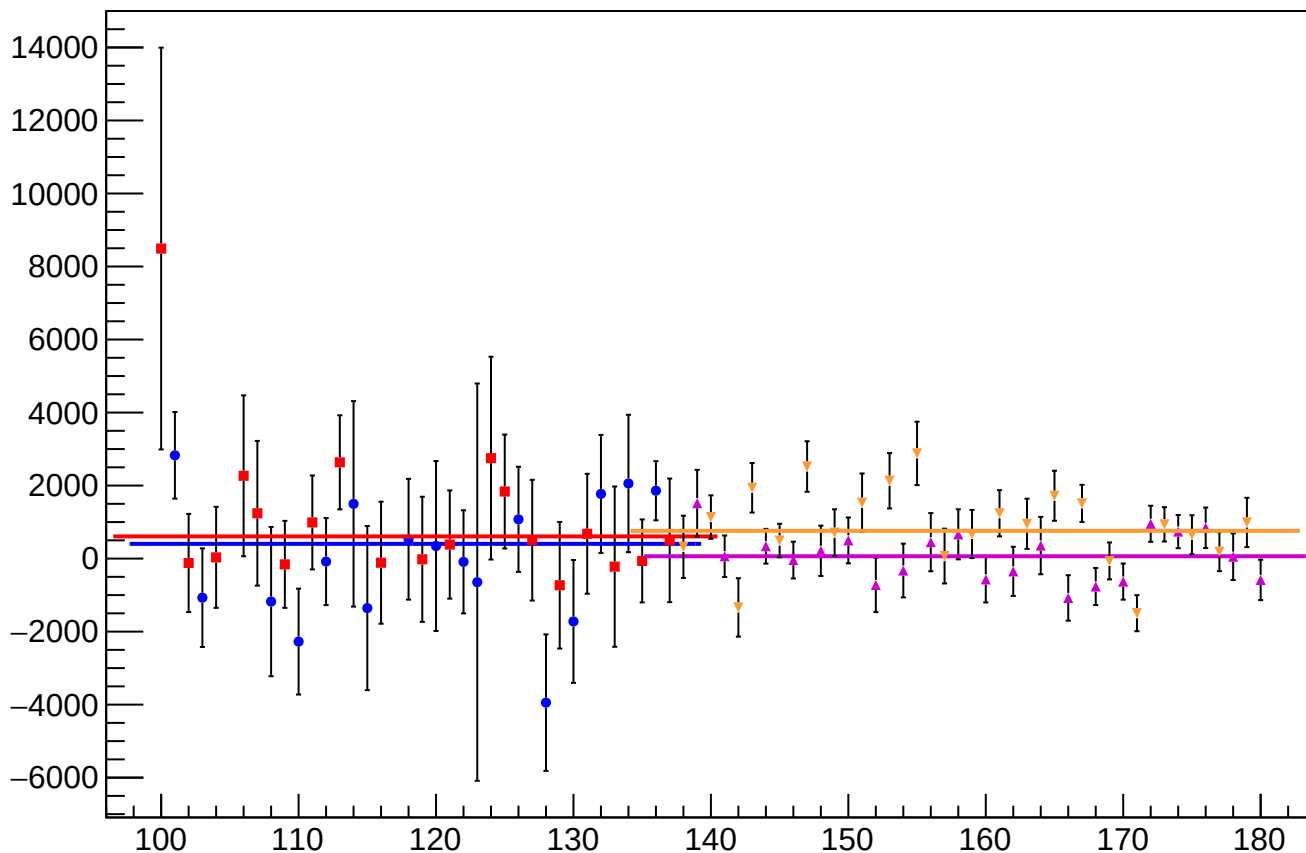
Left In: 511.825 $\pm$ 0.091 χ^2 /NDF: 1038953.5/20

+ sign 564.849 $\pm$ 0.087 χ^2 /NDF: 3736333.3/38

All: 562.812 $\pm$ 0.061 χ^2 /NDF: 7744318.4/78

- sign 560.817 $\pm$ 0.086 χ^2 /NDF: 4006890.5/39

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591 $\pm$ 367.686 χ^2 /NDF: 22.4/16

Left Out: 760.211 $\pm$ 130.988 χ^2 /NDF:58.2/21

Right Out: 607.276 $\pm$ 363.327 χ^2 /NDF: 8.8/18

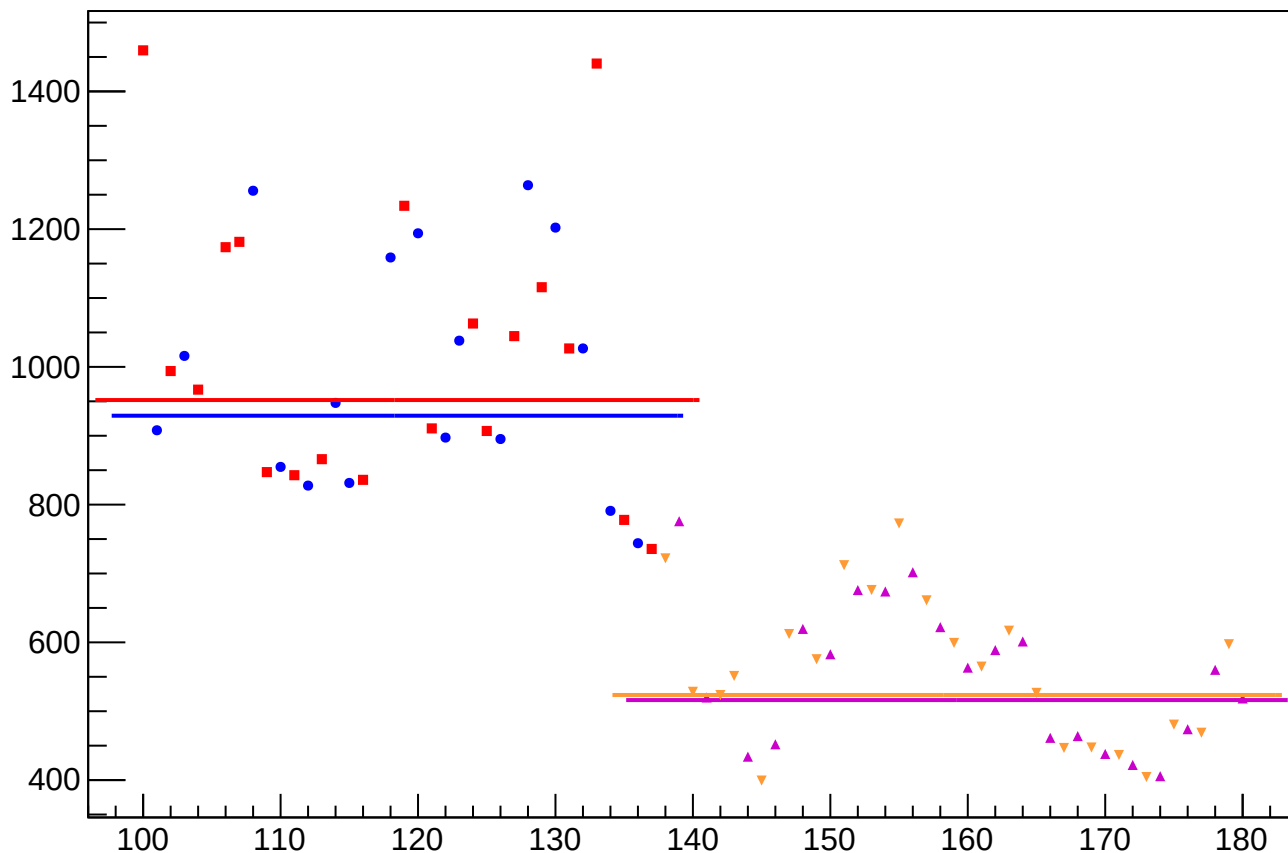
Left In: 63.697 $\pm$ 129.694 χ^2 /NDF:24.2/20

+ sign 720.048 $\pm$ 123.392 χ^2 /NDF: 81.5/38

All: 419.570 $\pm$ 86.807 χ^2 /NDF: 128.2/78

- sign 125.133 $\pm$ 122.145 χ^2 /NDF: 35.0/39

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 523.610 $\pm$ 0.093 χ^2 /NDF:1139366.8/21

Right Out: 951.847 $\pm$ 0.257 χ^2 /NDF: 382219.3/18

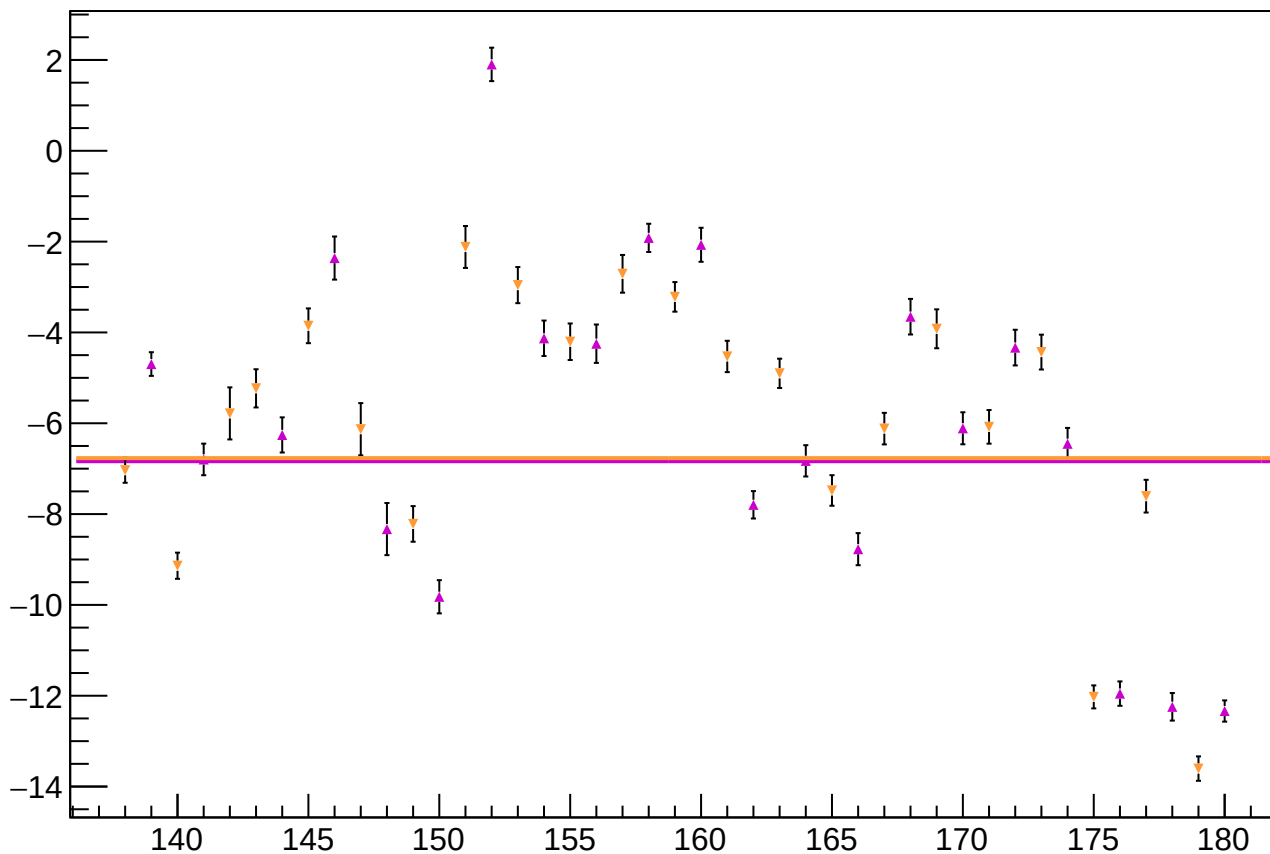
Left In: 516.196 $\pm$ 0.092 χ^2 /NDF:1018551.6/20

+ sign 569.276 $\pm$ 0.087 χ^2 /NDF: 3688091.7/38

All: 567.335 $\pm$ 0.061 χ^2 /NDF: 7640332.2/78

- sign 565.434 $\pm$ 0.086 χ^2 /NDF: 3951260.8/39

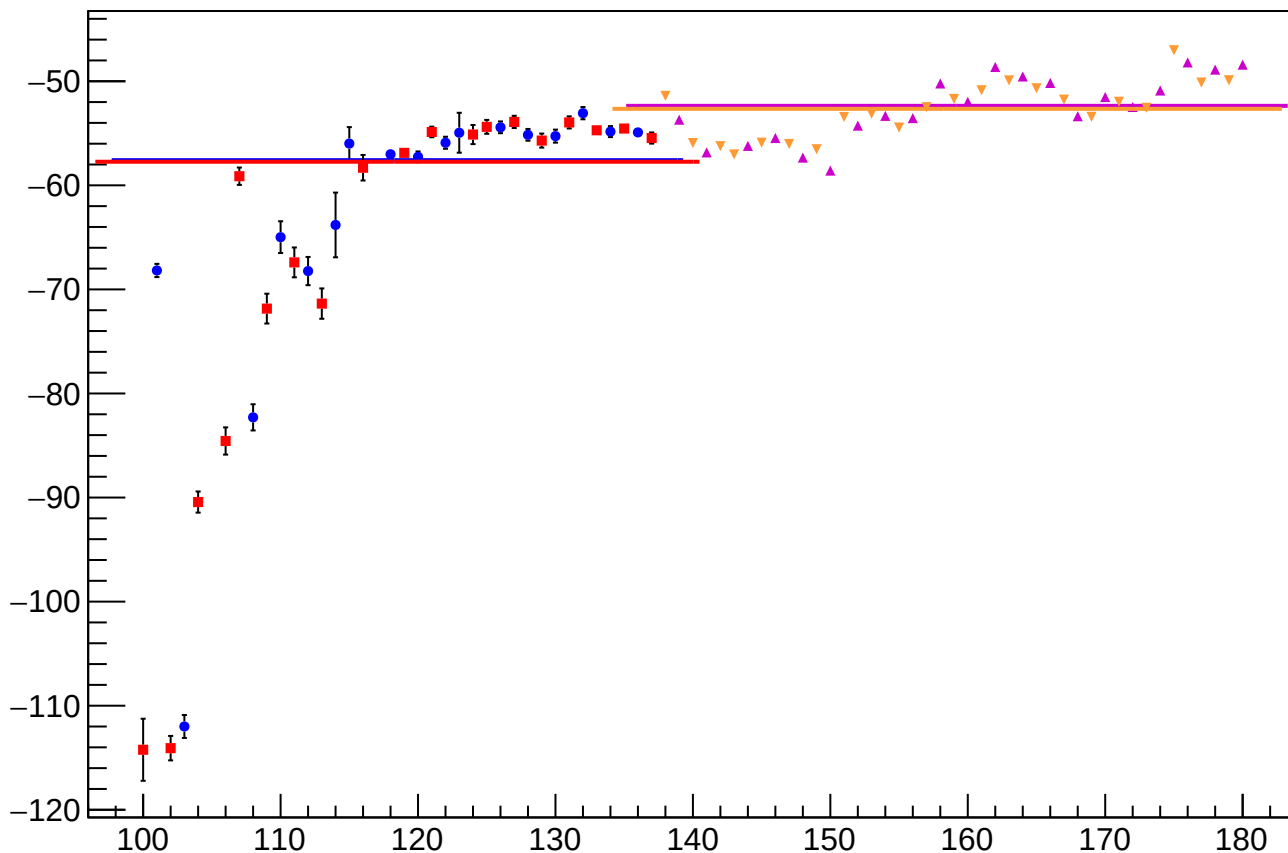
reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -6.768 $\pm$ 0.076 χ^2/NDF :1856.6/21
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -6.835 $\pm$ 0.074 χ^2/NDF :2676.7/20

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 All: -6.802 $\pm$ 0.053 χ^2/NDF : 4533.7/42
 - sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -52.651 ± 0.059 χ^2/NDF : 2034.0/21

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

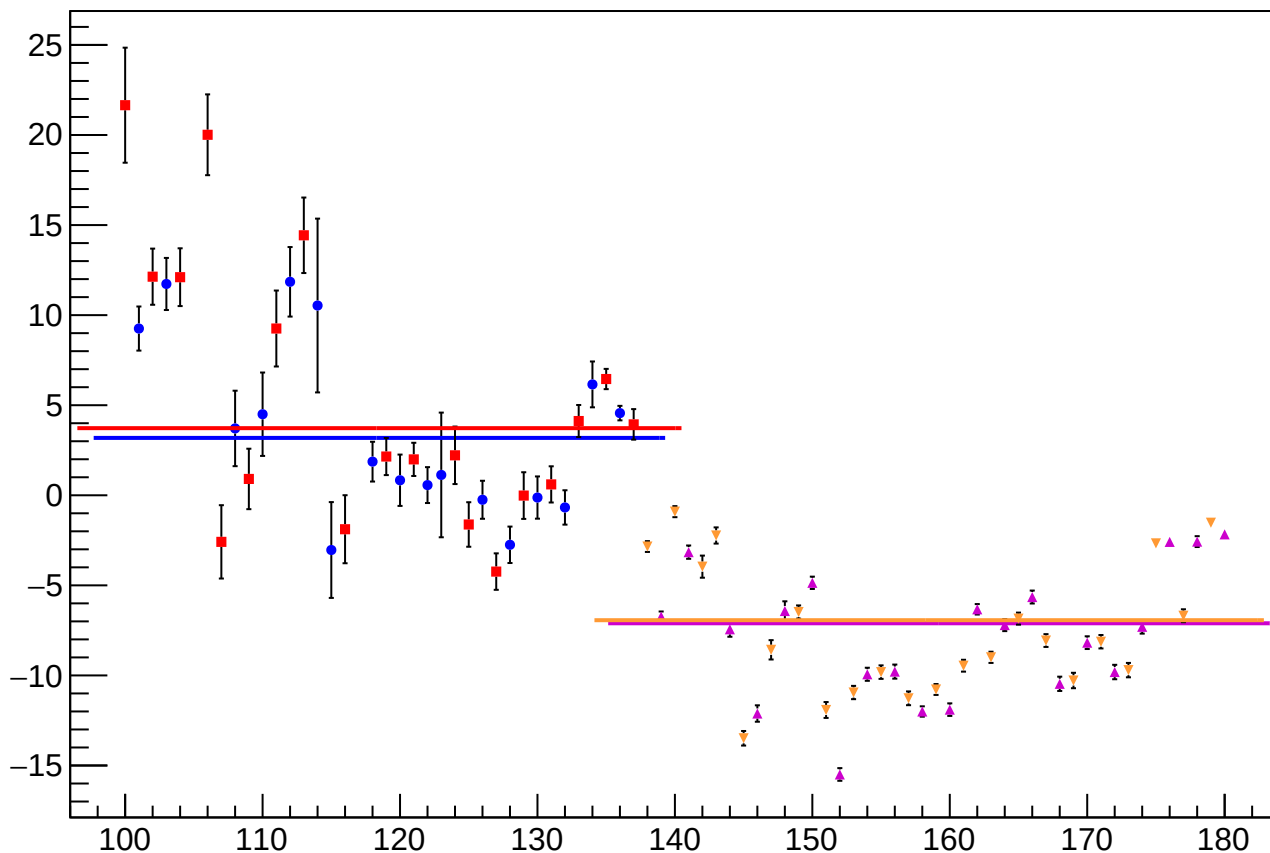
Left In: -52.362 ± 0.060 χ^2/NDF : 2861.0/20

+ sign -53.366 ± 0.054 χ^2/NDF : 6504.9/38

All: -53.267 ± 0.039 χ^2/NDF : 15270.9/78

- sign -53.165 ± 0.055 χ^2/NDF : 8759.3/39

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -6.935 ± 0.075 χ^2/NDF : 2508.7/21

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

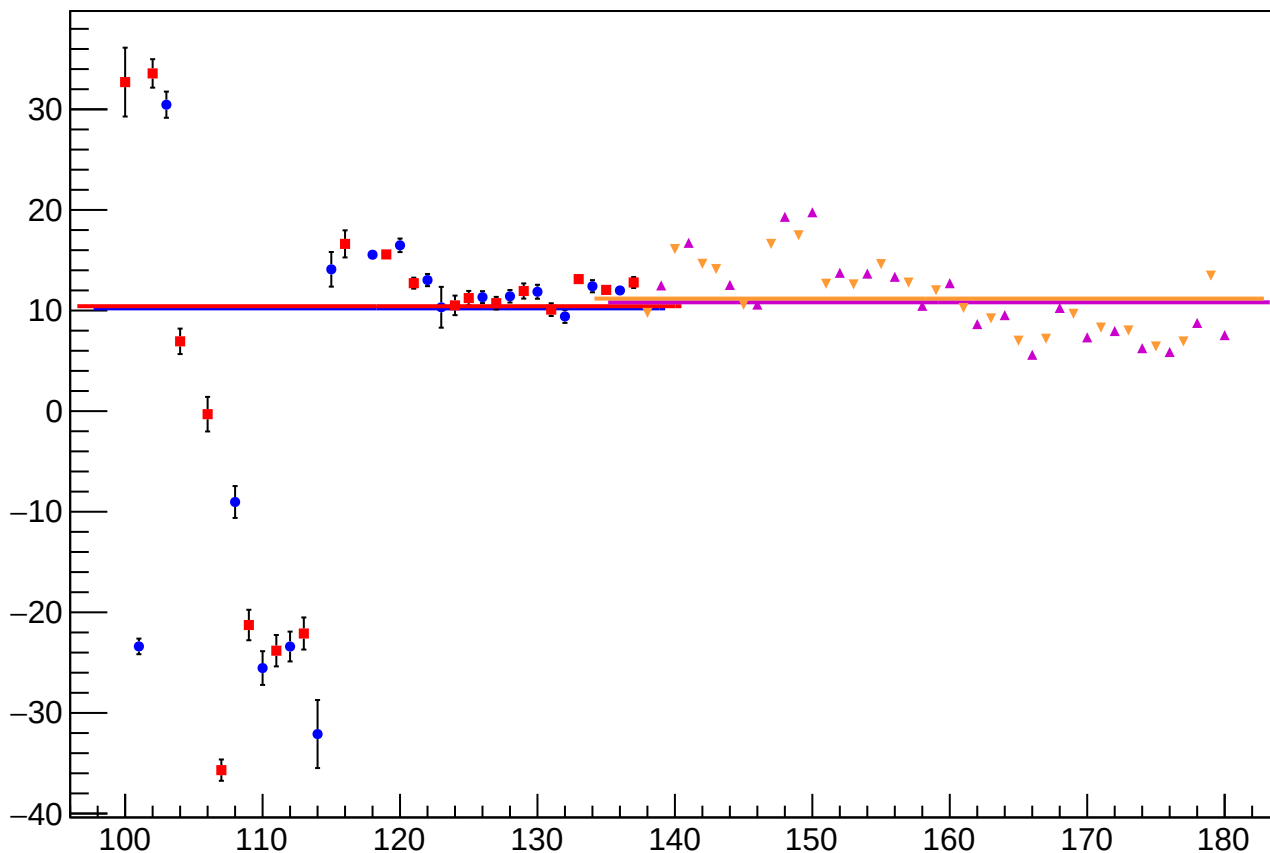
Left In: -7.105 ± 0.074 χ^2/NDF : 2551.9/20

+ sign -6.147 ± 0.072 χ^2/NDF : 4102.5/38

All: -6.247 ± 0.051 χ^2/NDF : 8506.0/78

- sign -6.343 ± 0.071 χ^2/NDF : 4399.7/39

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 11.188 $\pm$ 0.066 χ^2 /NDF: 2437.3/21

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

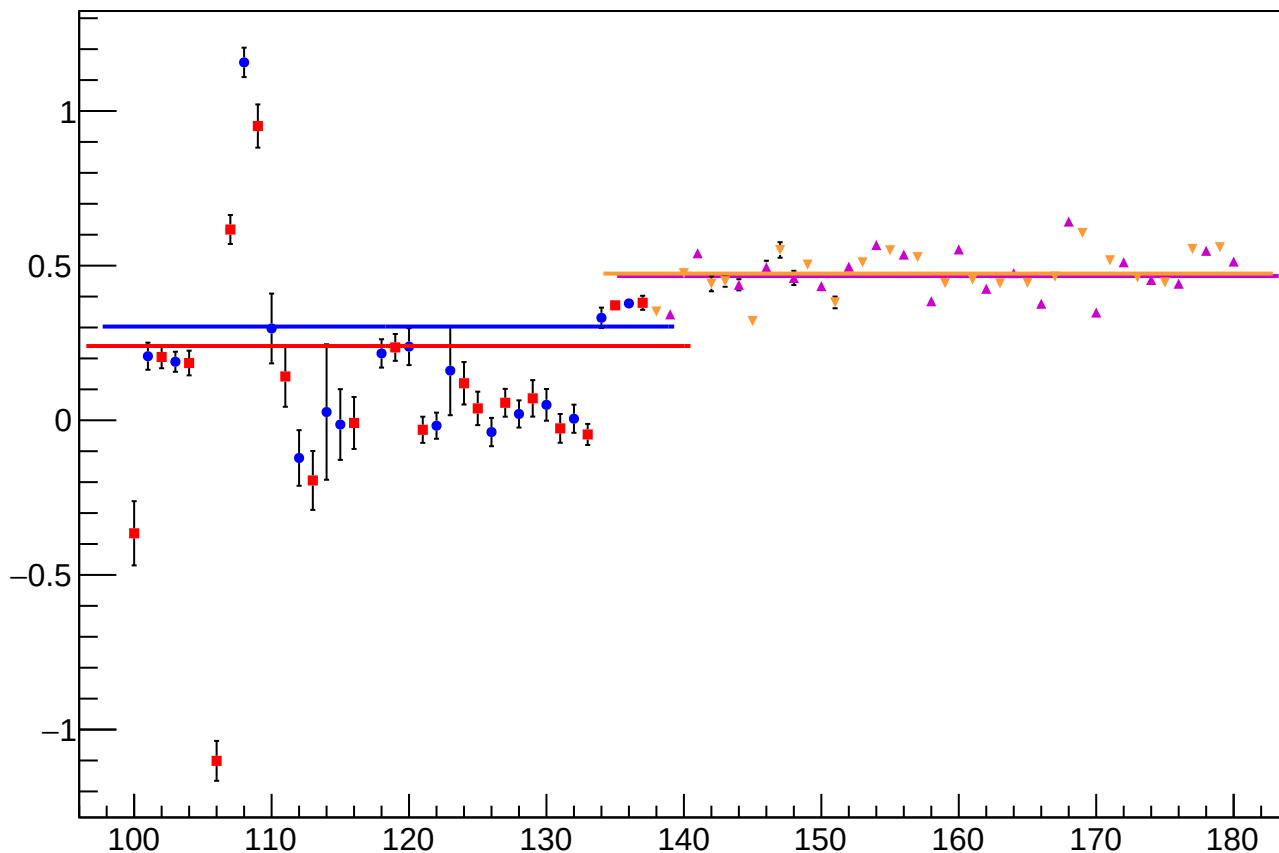
Left In: 10.817 $\pm$ 0.066 χ^2 /NDF: 3430.7/20

+ sign 11.043 $\pm$ 0.061 χ^2 /NDF: 6162.1/38

All: 10.902 $\pm$ 0.043 χ^2 /NDF: 13435.4/78

- sign 10.760 $\pm$ 0.061 χ^2 /NDF: 7262.6/39

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.474 $\pm$ 0.003 χ^2 /NDF: 495.7/21

Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.4/18

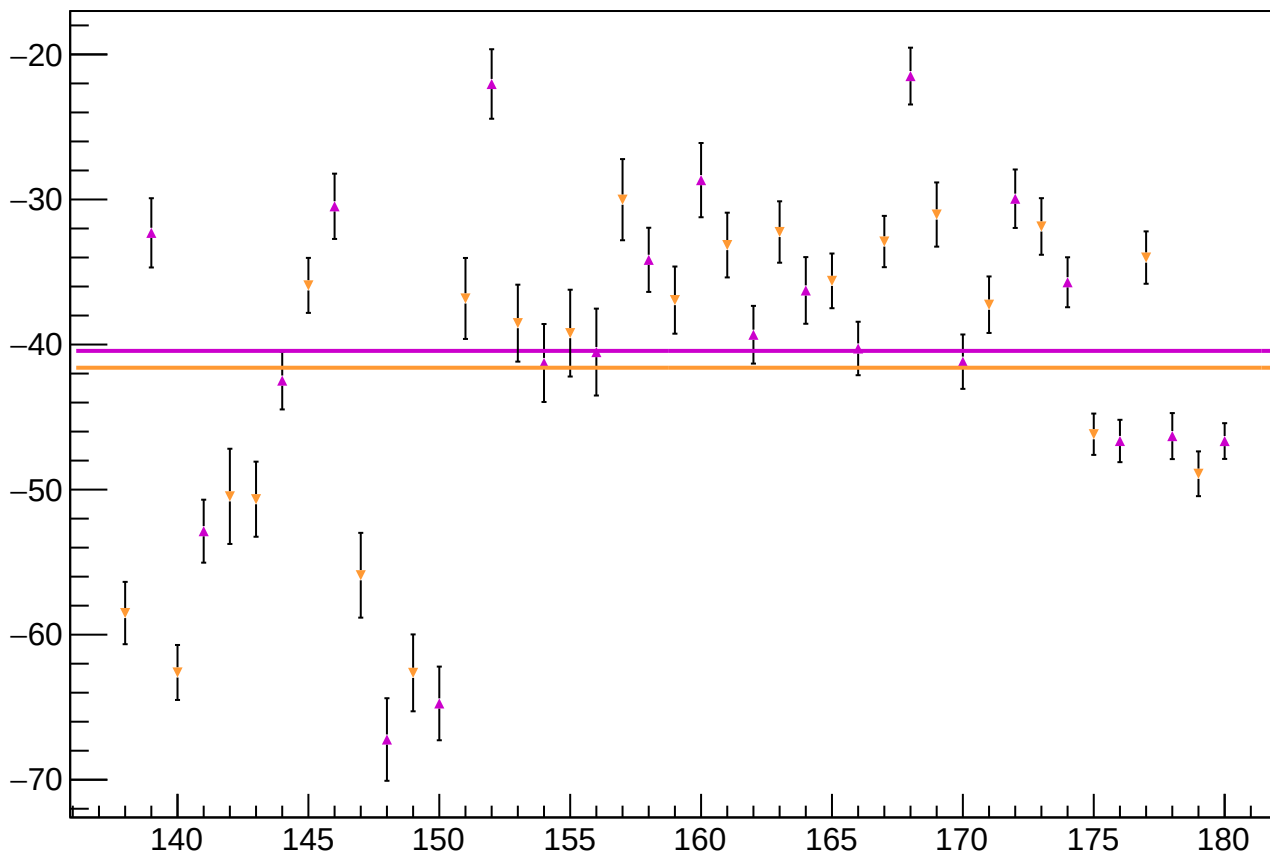
Left In: 0.466 $\pm$ 0.003 χ^2 /NDF: 725.4/20

+ sign 0.454 $\pm$ 0.003 χ^2 /NDF: 1526.2/38

All: 0.448 $\pm$ 0.002 χ^2 /NDF: 3874.8/78

- sign 0.442 $\pm$ 0.003 χ^2 /NDF: 2339.4/39

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -41.598+/-0.450 χ^2/NDF : 497.7/21

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

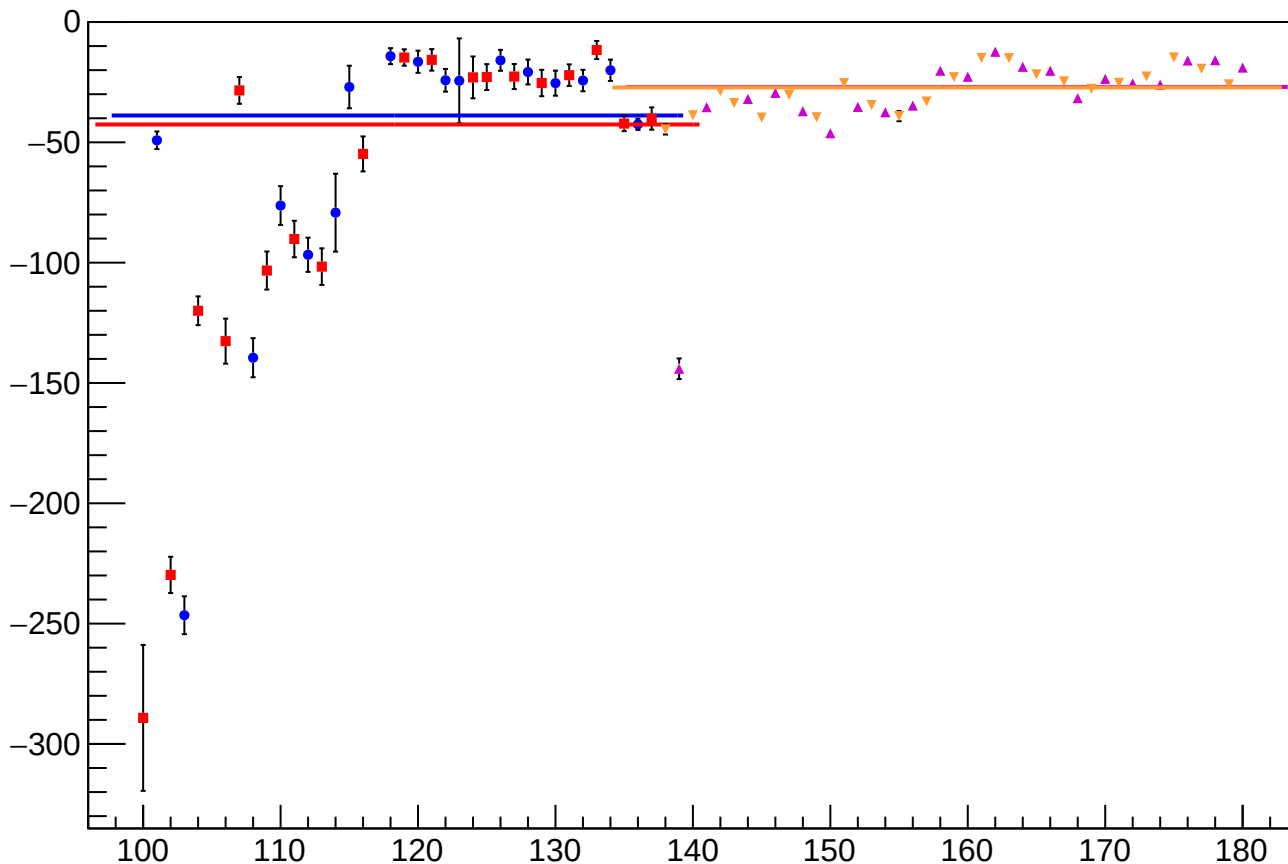
Left In: -40.437+/-0.435 χ^2/NDF : 522.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.998+/-0.313 χ^2/NDF : 1023.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -27.195 ± 0.344 χ^2/NDF : 583.7/21

Right Out: -42.586 ± 1.210 χ^2/NDF : 1345.7/18

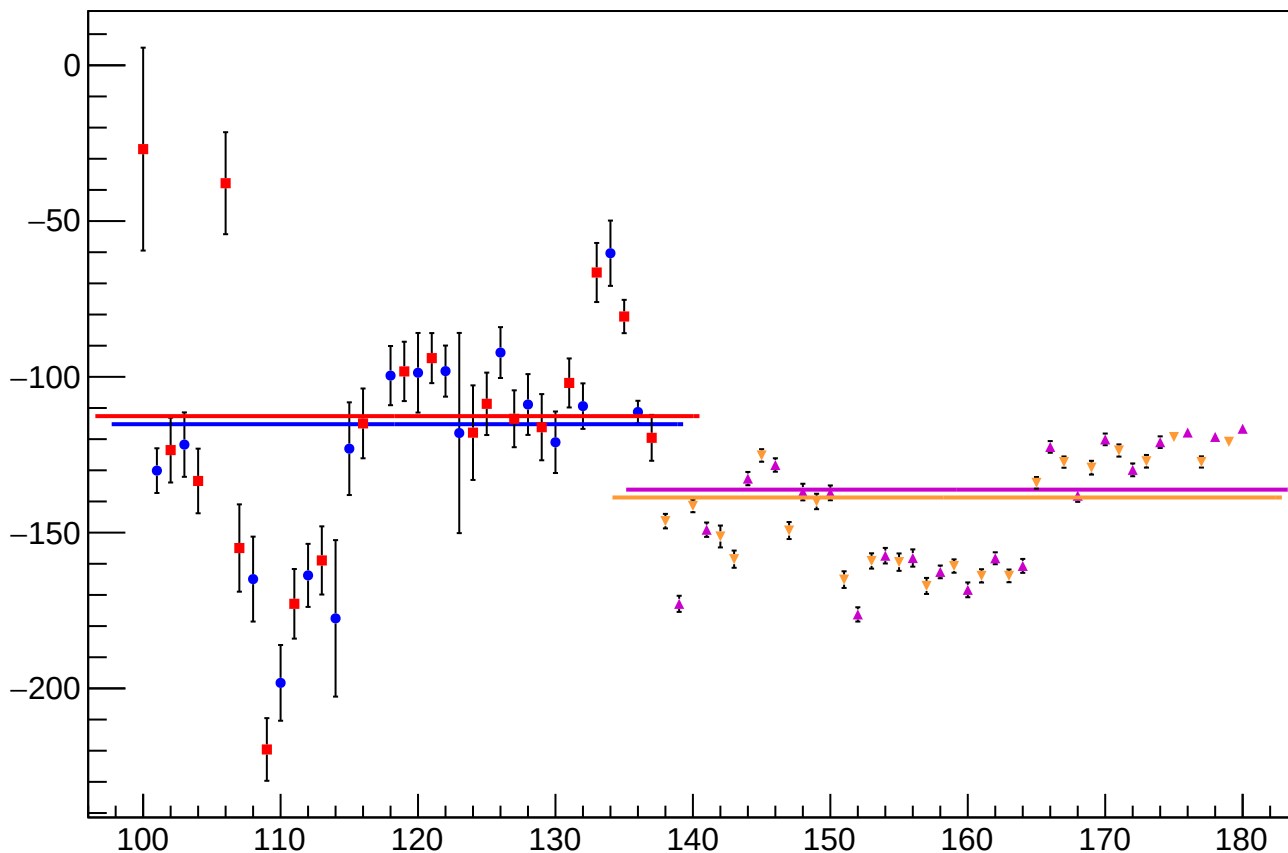
Left In: -26.983 ± 0.344 χ^2/NDF : 1372.5/20

+ sign -28.156 ± 0.330 χ^2/NDF : 1800.0/38

All: -28.152 ± 0.233 χ^2/NDF : 4672.0/78

- sign -28.148 ± 0.331 χ^2/NDF : 2872.0/39

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -138.719 ± 0.448 $\chi^2/\text{NDF}: 1395.9/21$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

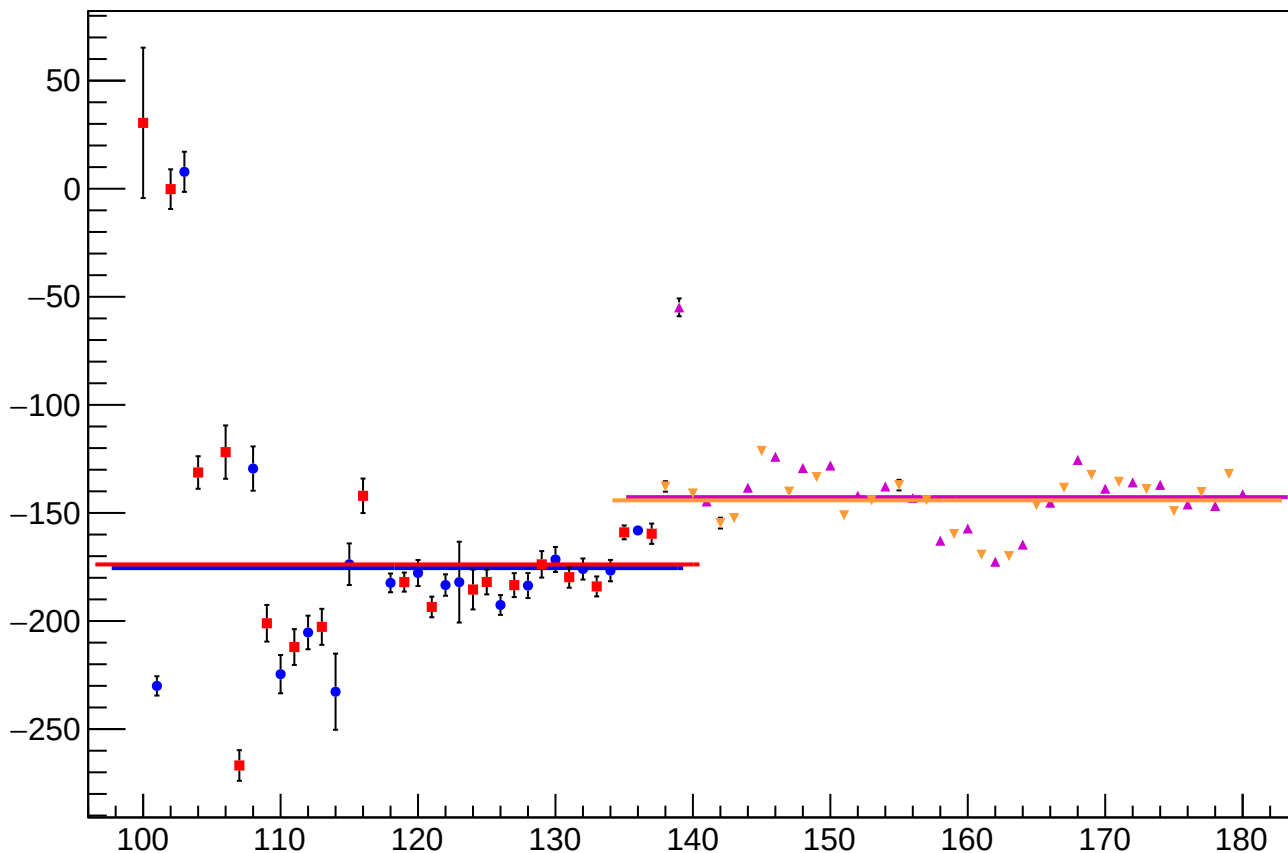
Left In: -136.201 ± 0.432 $\chi^2/\text{NDF}: 2024.9/20$

+ sign -137.677 ± 0.438 $\chi^2/\text{NDF}: 1658.7/38$

All: -136.466 ± 0.305 $\chi^2/\text{NDF}: 4080.6/78$

- sign -135.332 ± 0.424 $\chi^2/\text{NDF}: 2407.1/39$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -144.171 ± 0.389 χ^2/NDF : 984.8/21

Right Out: -173.830 ± 1.357 χ^2/NDF : 737.9/18

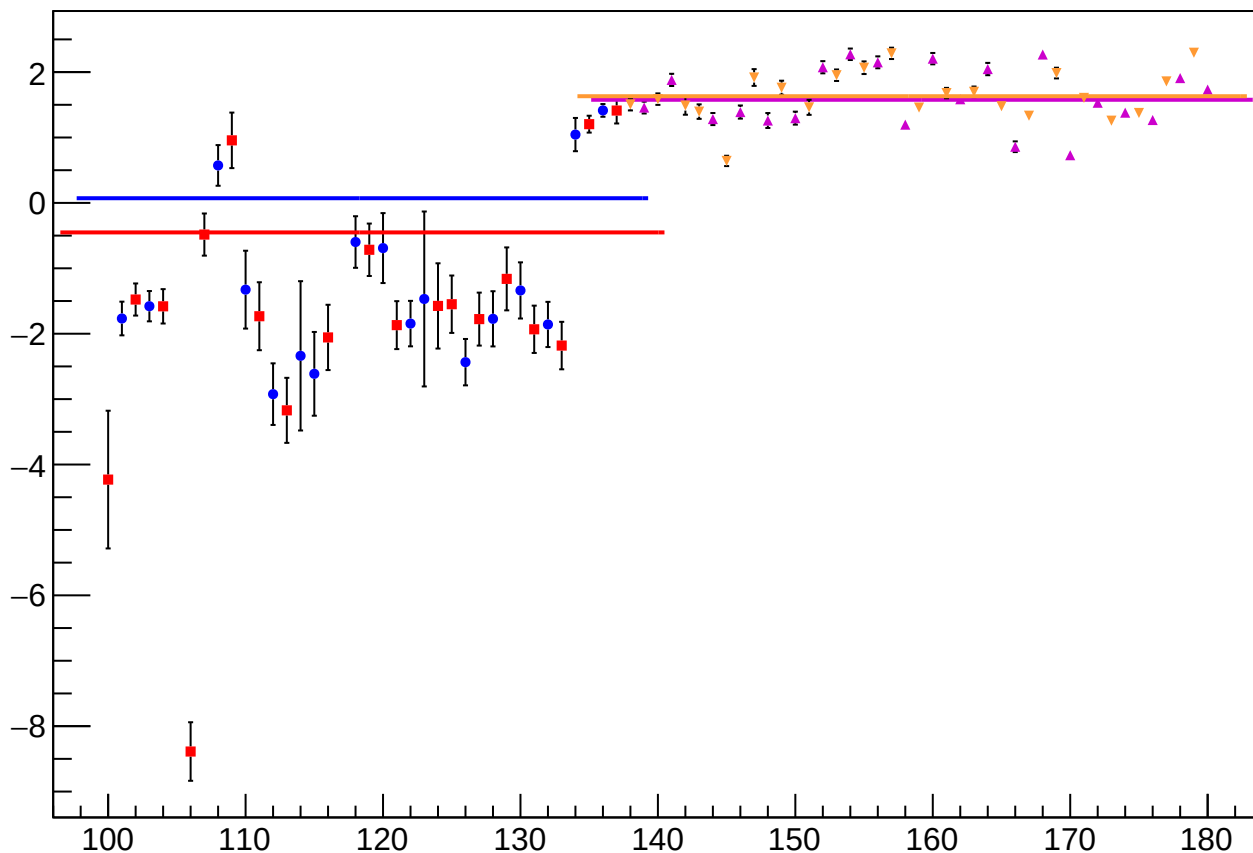
Left In: -142.694 ± 0.385 χ^2/NDF : 1478.2/20

+ sign -146.830 ± 0.372 χ^2/NDF : 2228.6/38

All: -145.919 ± 0.262 χ^2/NDF : 4944.2/78

- sign -145.015 ± 0.370 χ^2/NDF : 2703.6/39

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 $\chi^2/\text{NDF}: 525.2/16$

Left Out: 1.631 ± 0.018 $\chi^2/\text{NDF}: 448.5/21$

Right Out: -0.451 ± 0.071 $\chi^2/\text{NDF}: 751.3/18$

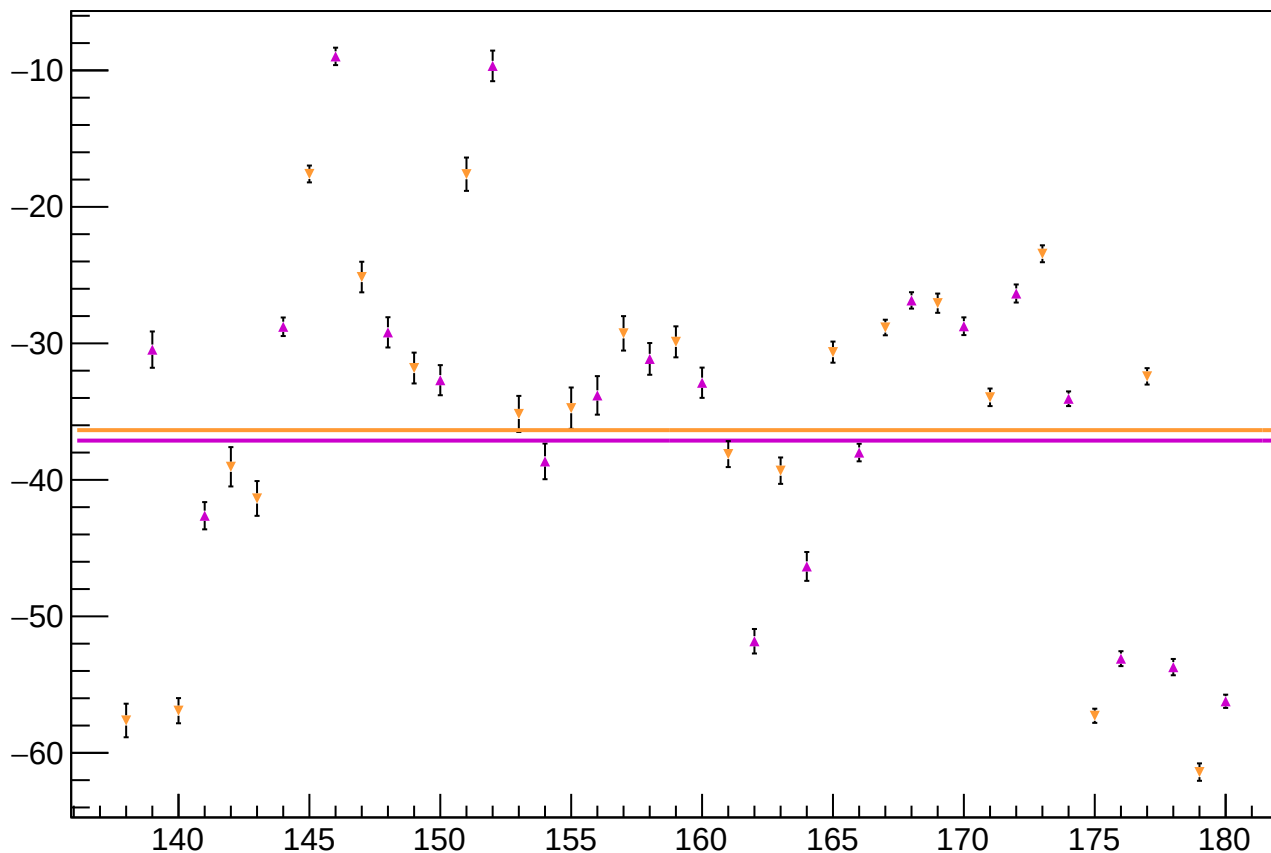
Left In: 1.577 ± 0.017 $\chi^2/\text{NDF}: 651.7/20$

+ sign 1.528 ± 0.017 $\chi^2/\text{NDF}: 1477.5/38$

All: 1.494 ± 0.012 $\chi^2/\text{NDF}: 3650.4/78$

- sign 1.462 ± 0.017 $\chi^2/\text{NDF}: 2165.4/39$

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -36.357 ± 0.174 χ^2/NDF : 6229.6/21

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

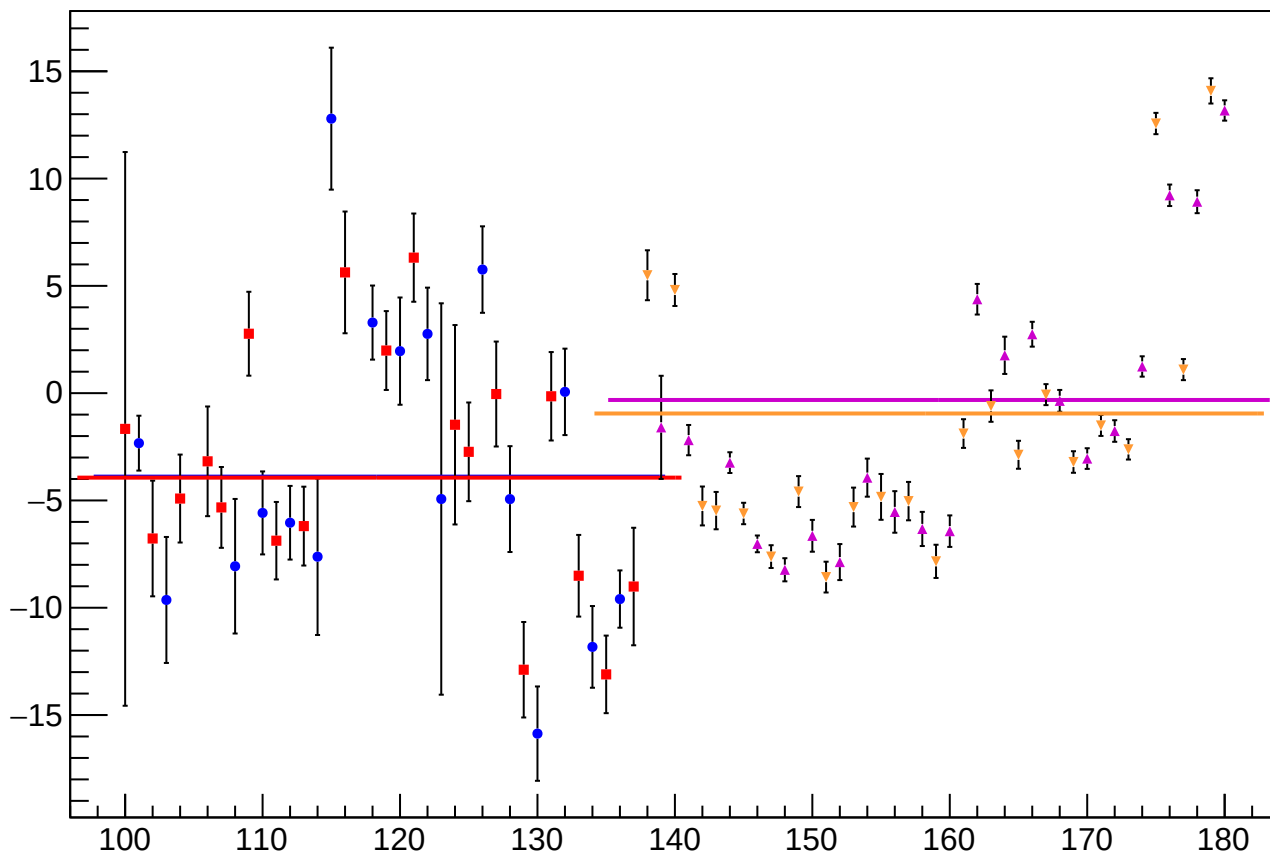
Left In: -37.122 ± 0.164 χ^2/NDF : 7138.8/20

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -36.762 ± 0.119 χ^2/NDF : 13378.6/42

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -0.948 ± 0.134 $\chi^2/\text{NDF}: 2118.5/21$

Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

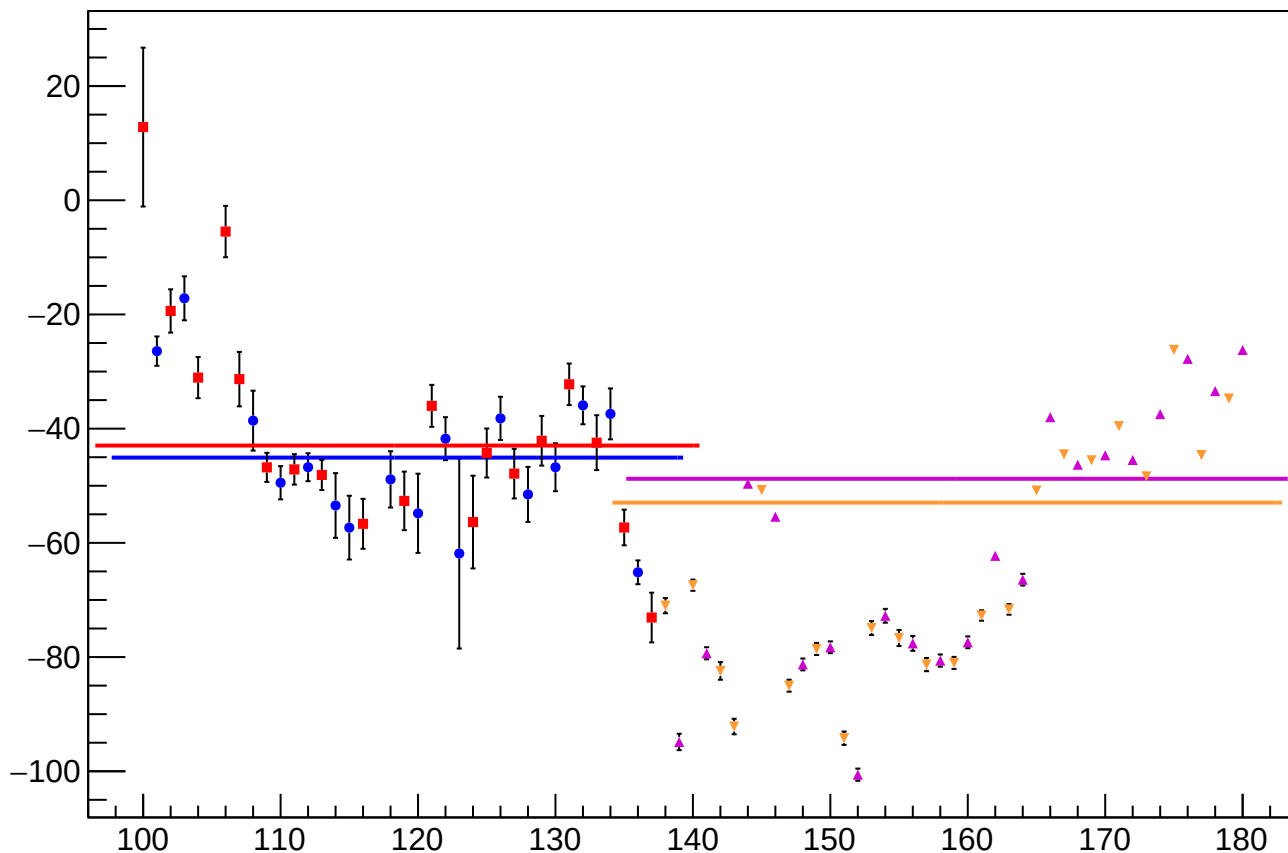
Left In: -0.318 ± 0.129 $\chi^2/\text{NDF}: 2480.8/20$

+ sign -1.146 ± 0.129 $\chi^2/\text{NDF}: 2311.5/38$

All: -0.831 ± 0.090 $\chi^2/\text{NDF}: 4973.8/78$

- sign -0.537 ± 0.125 $\chi^2/\text{NDF}: 2650.9/39$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 $\chi^2/\text{NDF}: 229.7/16$

Left Out: -52.948 ± 0.174 $\chi^2/\text{NDF}: 11641.7/21$

Right Out: -42.959 ± 0.878 $\chi^2/\text{NDF}: 248.3/18$

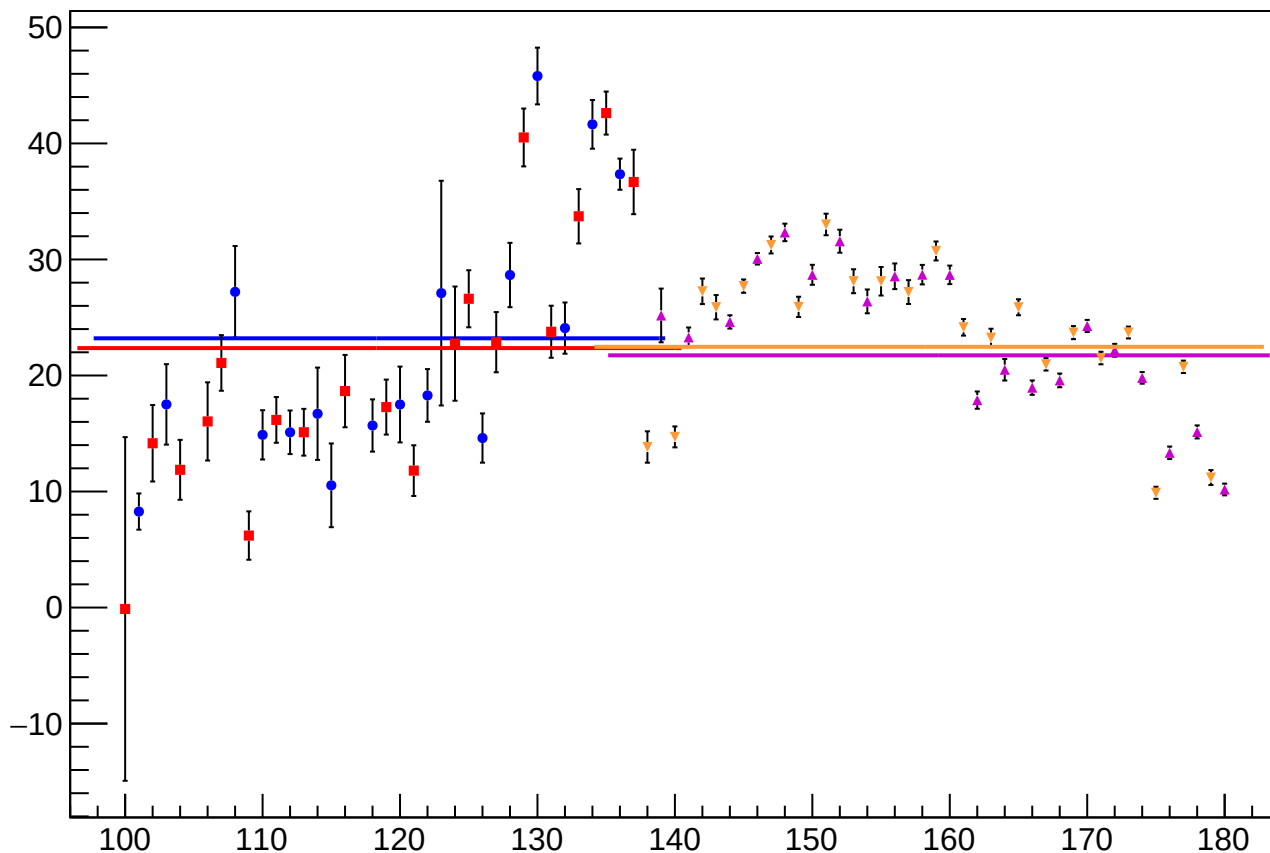
Left In: -48.779 ± 0.164 $\chi^2/\text{NDF}: 14251.8/20$

+ sign -52.653 ± 0.171 $\chi^2/\text{NDF}: 11947.9/38$

All: -50.504 ± 0.117 $\chi^2/\text{NDF}: 26790.6/78$

- sign -48.582 ± 0.161 $\chi^2/\text{NDF}: 14542.6/39$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 22.472 $\pm$ 0.151 χ^2 /NDF:1639.9/21

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

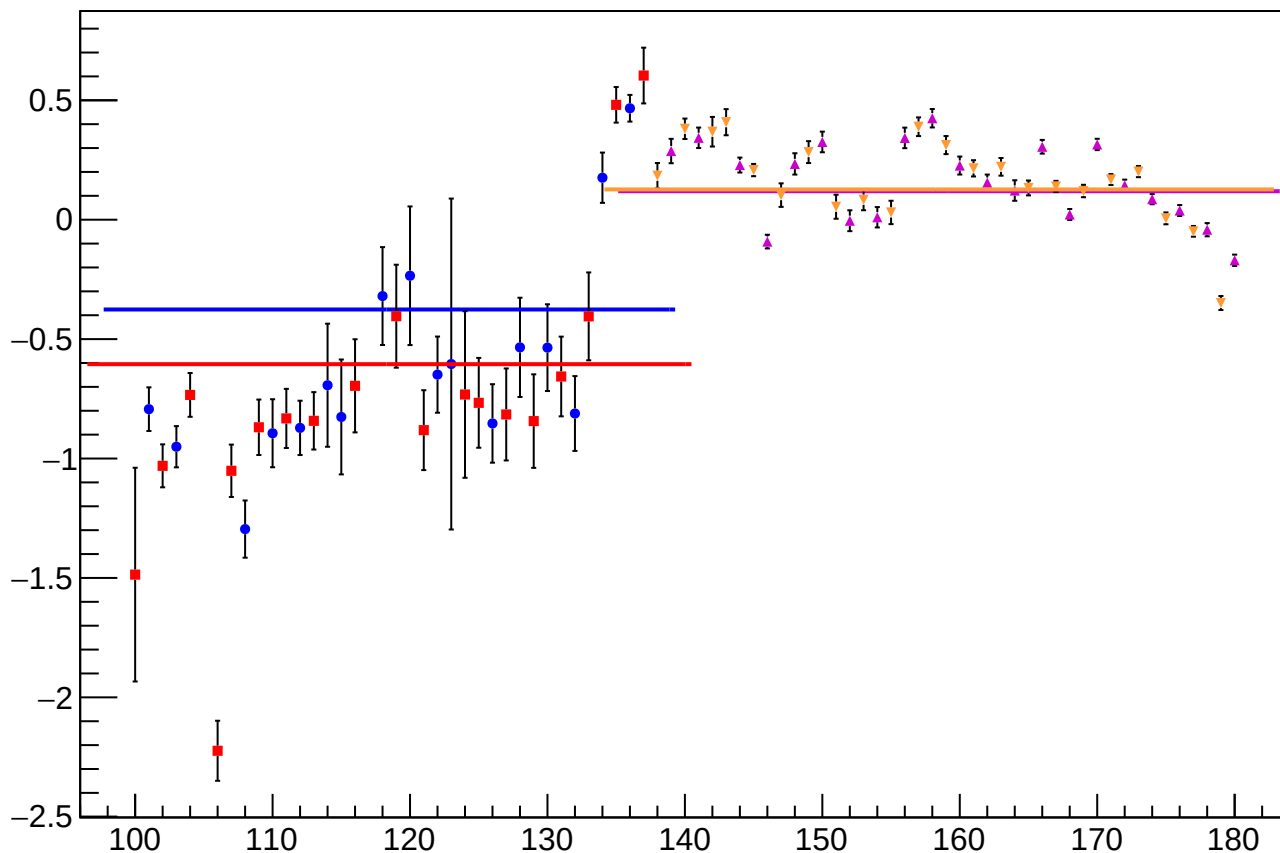
Left In: 21.737 $\pm$ 0.145 χ^2 /NDF:1883.7/20

+ sign 22.522 $\pm$ 0.145 χ^2 /NDF: 2098.7/38

All: 22.136 $\pm$ 0.101 χ^2 /NDF: 4364.0/78

- sign 21.775 $\pm$ 0.141 χ^2 /NDF: 2251.7/39

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.127 ± 0.007 $\chi^2/\text{NDF}: 549.2/21$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

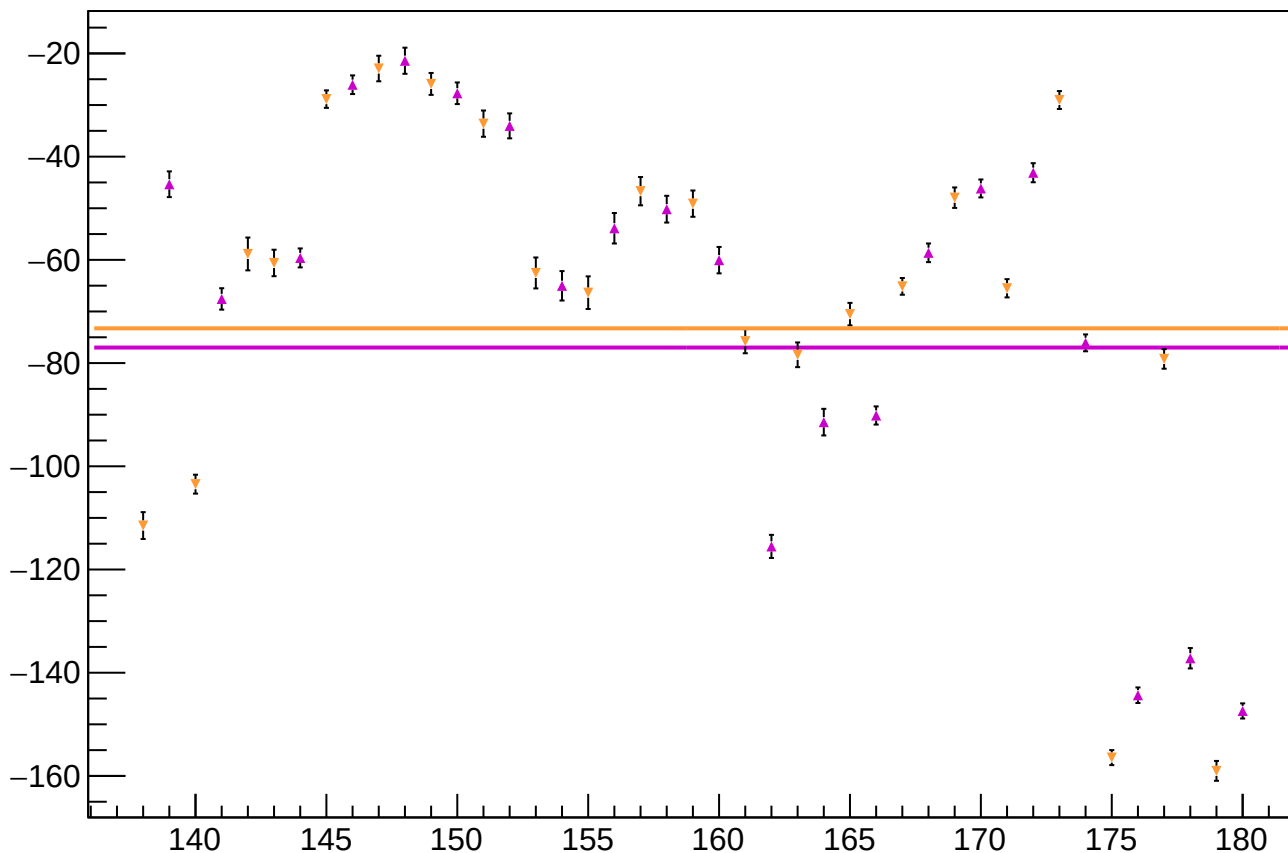
Left In: 0.119 ± 0.007 $\chi^2/\text{NDF}: 573.1/20$

+ sign 0.102 ± 0.007 $\chi^2/\text{NDF}: 1251.1/38$

All: 0.093 ± 0.005 $\chi^2/\text{NDF}: 2925.6/78$

- sign 0.085 ± 0.007 $\chi^2/\text{NDF}: 1671.5/39$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -73.265+/-0.449 χ^2/NDF : 8697.3/21

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

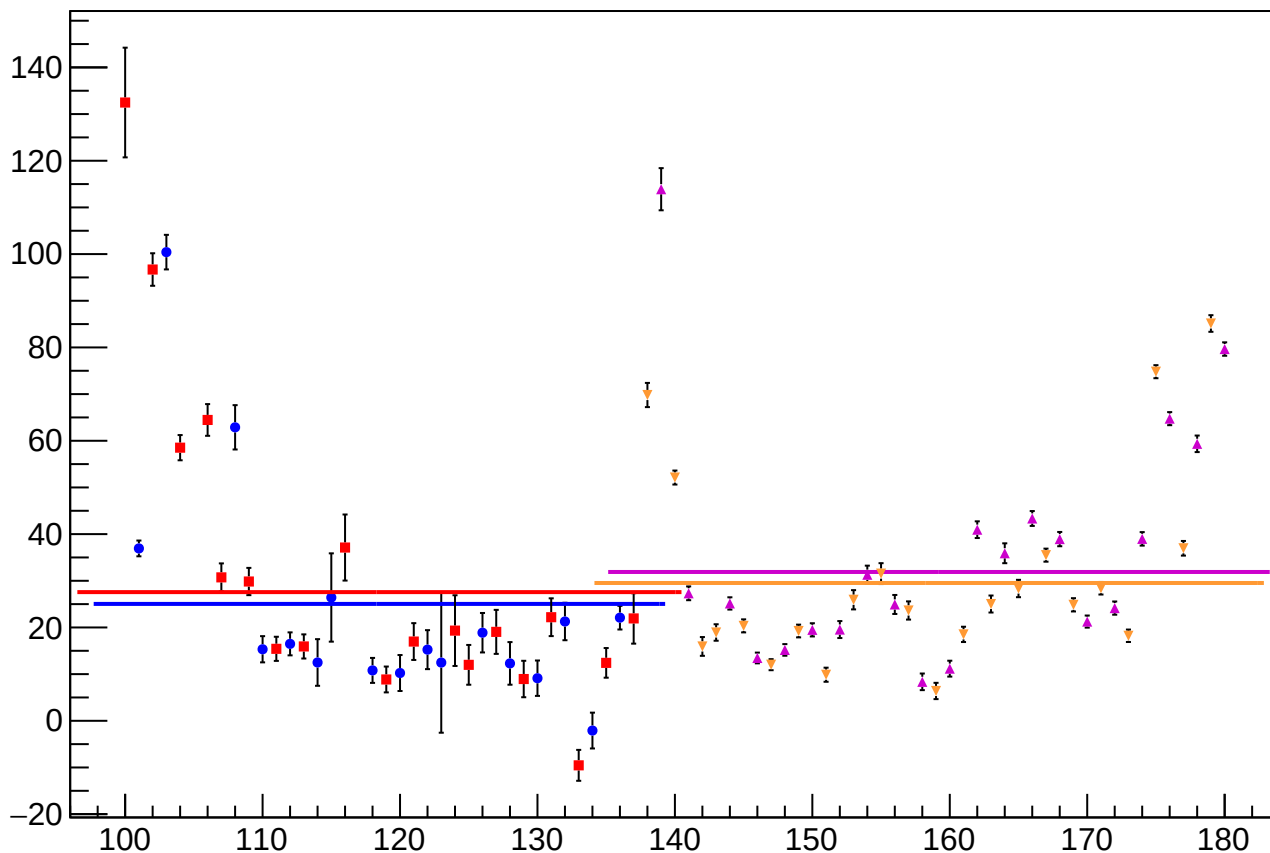
Left In: -76.993+/-0.437 χ^2/NDF : 9013.4/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -75.179+/-0.313 χ^2/NDF : 17746.0/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 29.531 $\pm$ 0.339 χ^2 /NDF: 3424.7/21

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

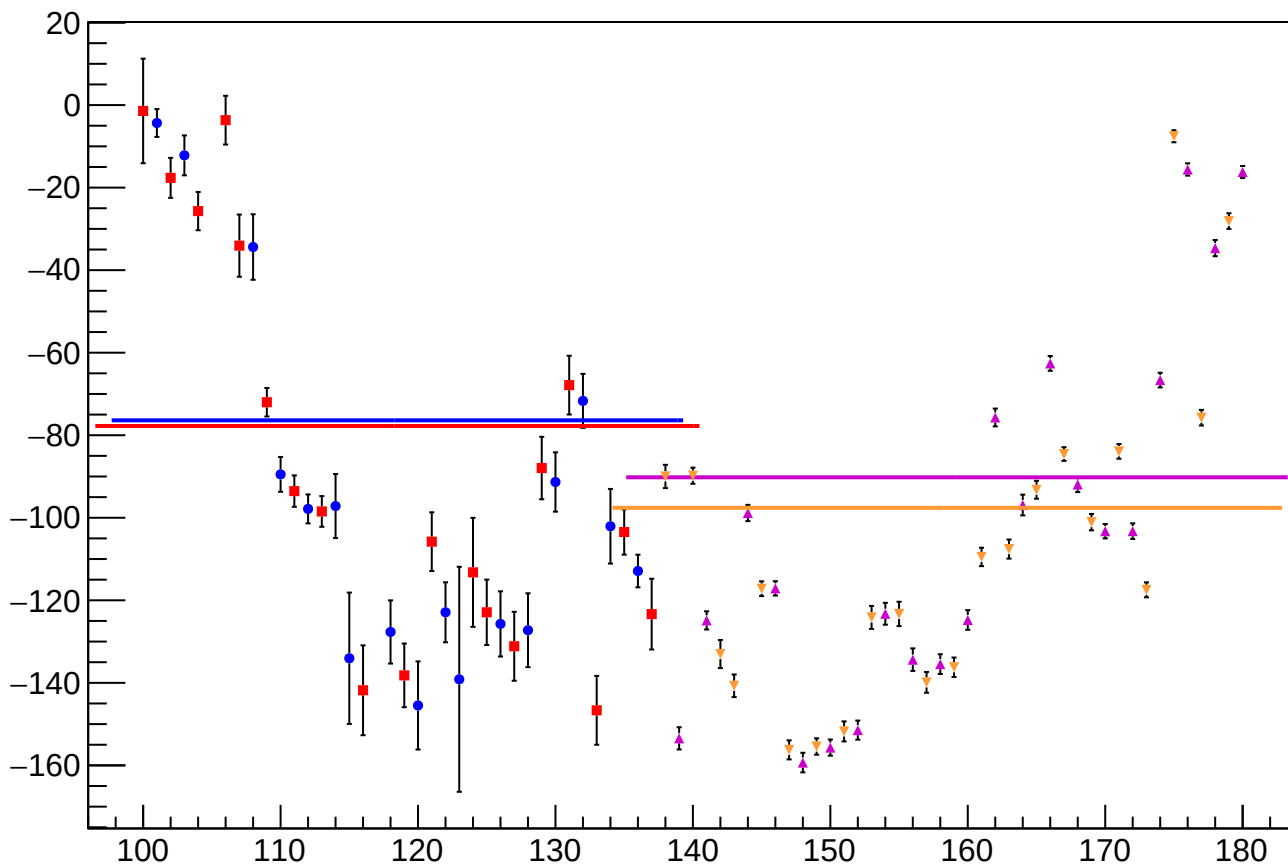
Left In: 31.889 $\pm$ 0.339 χ^2 /NDF: 3375.7/20

+ sign 28.857 $\pm$ 0.312 χ^2 /NDF: 4137.4/38

All: 30.049 $\pm$ 0.221 χ^2 /NDF: 8579.2/78

- sign 31.245 $\pm$ 0.313 χ^2 /NDF: 4412.6/39

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -97.584 ± 0.448 χ^2/NDF : 8798.5/21

Right Out: -77.761 ± 1.353 χ^2/NDF : 872.7/18

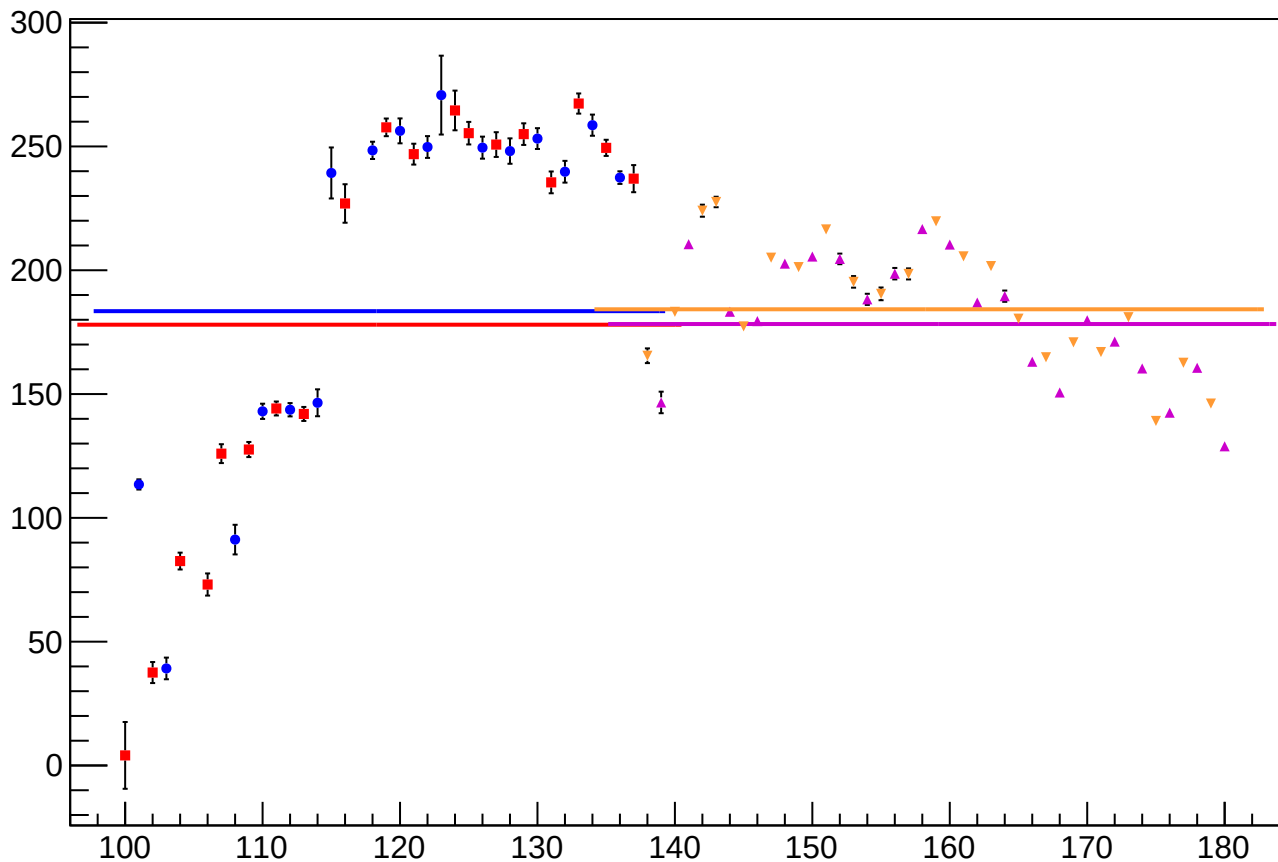
Left In: -90.192 ± 0.436 χ^2/NDF : 11150.2/20

+ sign -95.655 ± 0.427 χ^2/NDF : 10034.0/38

All: -92.239 ± 0.298 χ^2/NDF : 22257.3/78

- sign -89.025 ± 0.415 χ^2/NDF : 12099.3/39

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 184.235 $\pm$ 0.386 χ^2 /NDF: 3823.3/21

Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

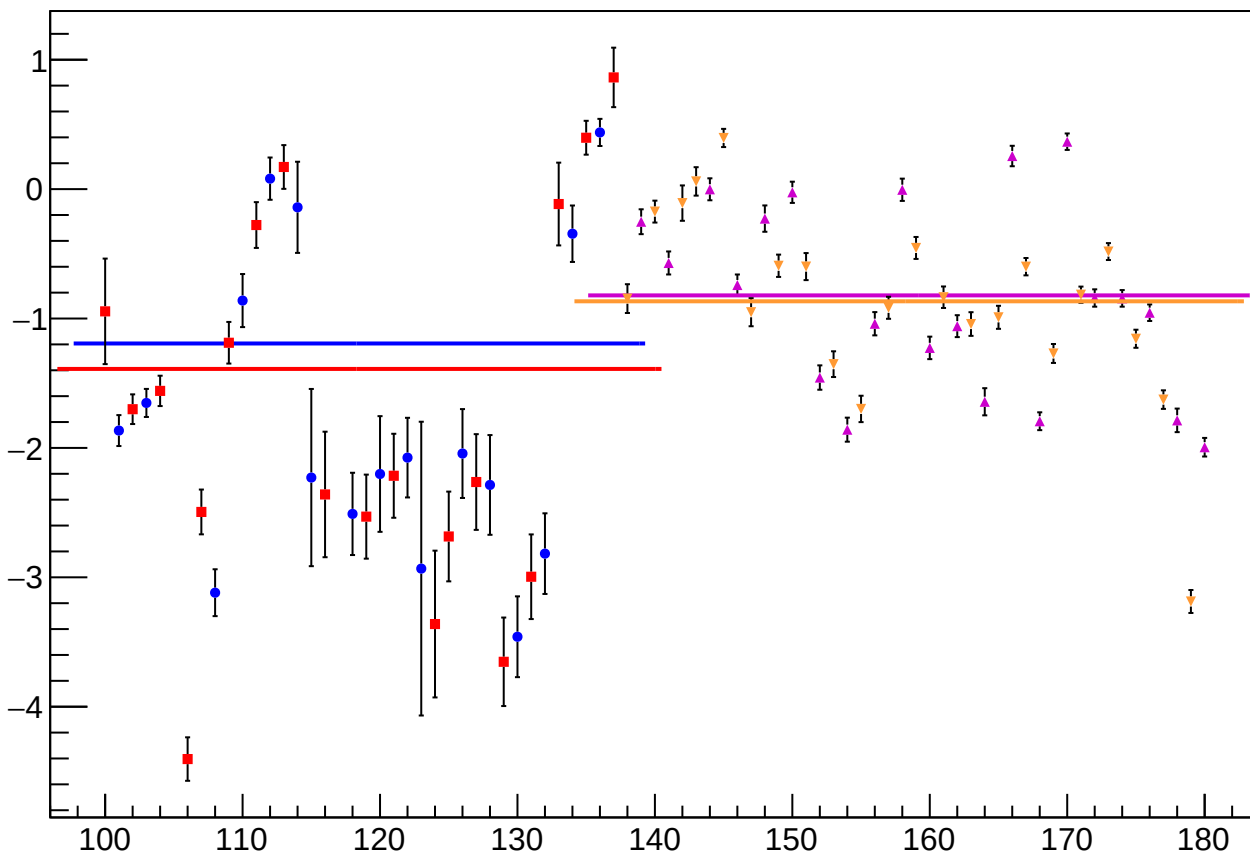
Left In: 178.281 $\pm$ 0.384 χ^2 /NDF: 4059.9/20

+ sign 184.122 $\pm$ 0.356 χ^2 /NDF: 9155.3/38

All: 181.171 $\pm$ 0.251 χ^2 /NDF: 19698.2/78

- sign 178.242 $\pm$ 0.354 χ^2 /NDF: 10405.7/39

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.867 ± 0.018 χ^2/NDF : 1523.1/21

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

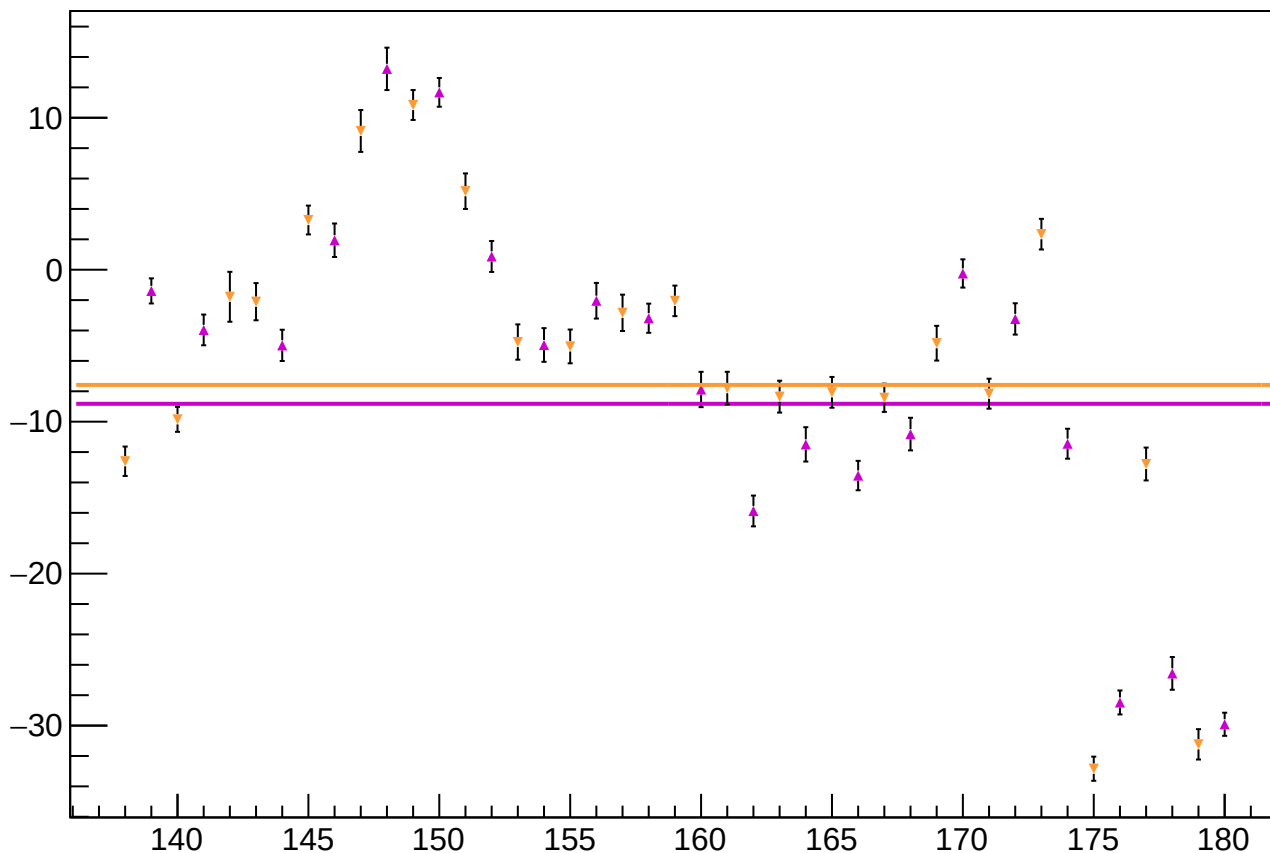
Left In: -0.821 ± 0.018 χ^2/NDF : 1740.9/20

+ sign -0.906 ± 0.017 χ^2/NDF : 2185.1/38

All: -0.900 ± 0.012 χ^2/NDF : 4981.0/78

- sign -0.894 ± 0.016 χ^2/NDF : 2795.7/39

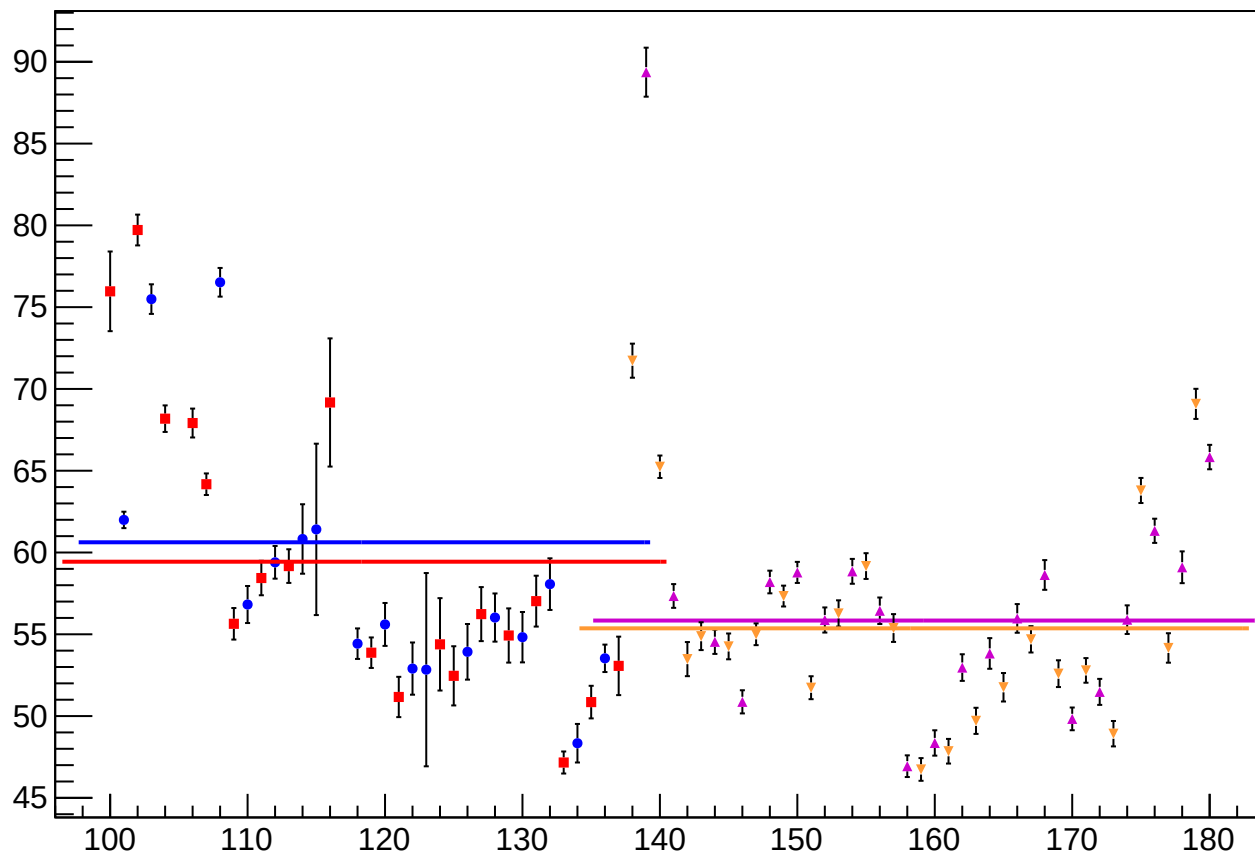
reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -7.580 ± 0.222 χ^2/NDF : 2569.5/21
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -8.824 ± 0.217 χ^2/NDF : 2965.5/20

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: -8.214 ± 0.155 χ^2/NDF : 5551.1/42
 - sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 55.364 $\pm$ 0.168 χ^2 /NDF: 1279.6/21

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

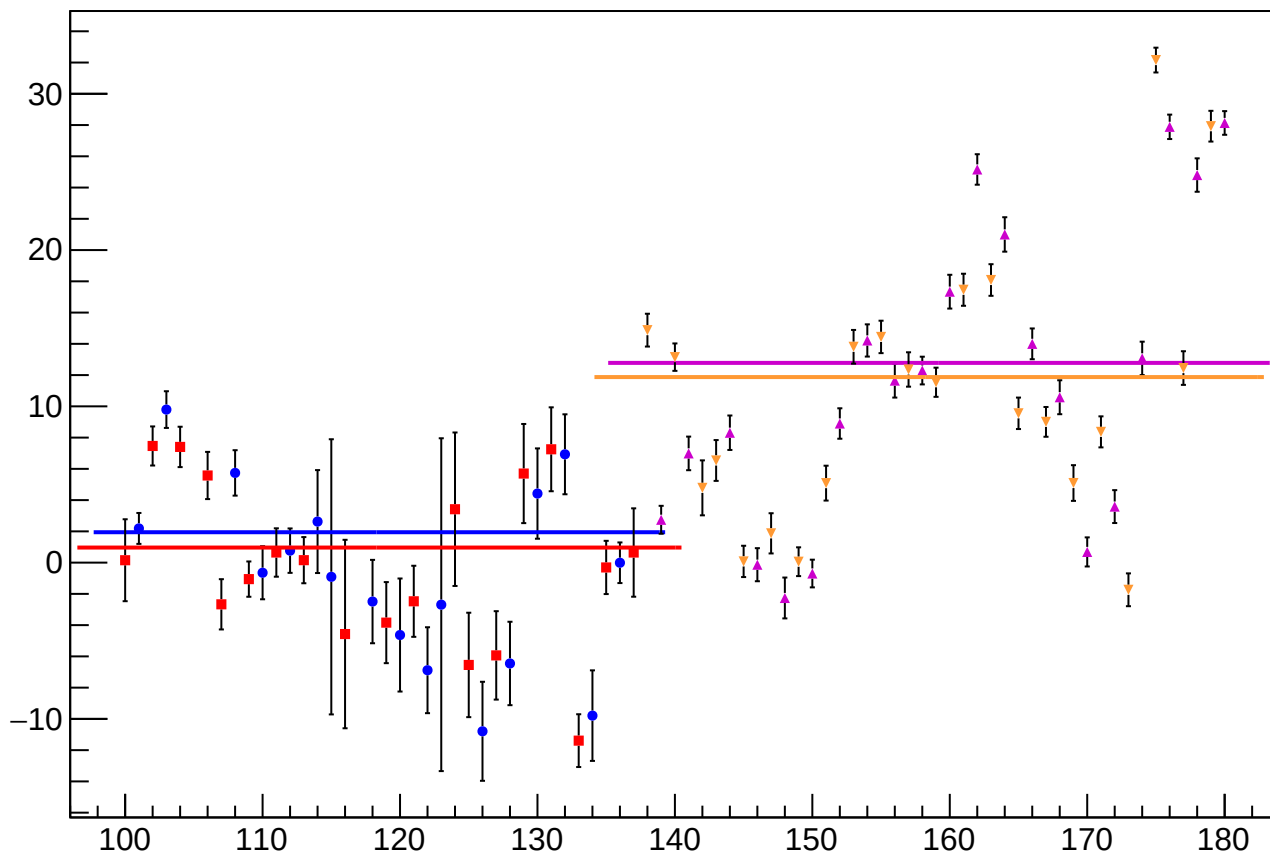
Left In: 55.840 $\pm$ 0.171 χ^2 /NDF: 1256.5/20

+ sign 56.885 $\pm$ 0.141 χ^2 /NDF: 2488.6/38

All: 56.941 $\pm$ 0.100 χ^2 /NDF: 5211.7/78

- sign 56.998 $\pm$ 0.141 χ^2 /NDF: 2722.9/39

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 11.873 ± 0.220 χ^2/NDF : 1671.4/21

Right Out: 0.964 ± 0.424 χ^2/NDF : 149.5/18

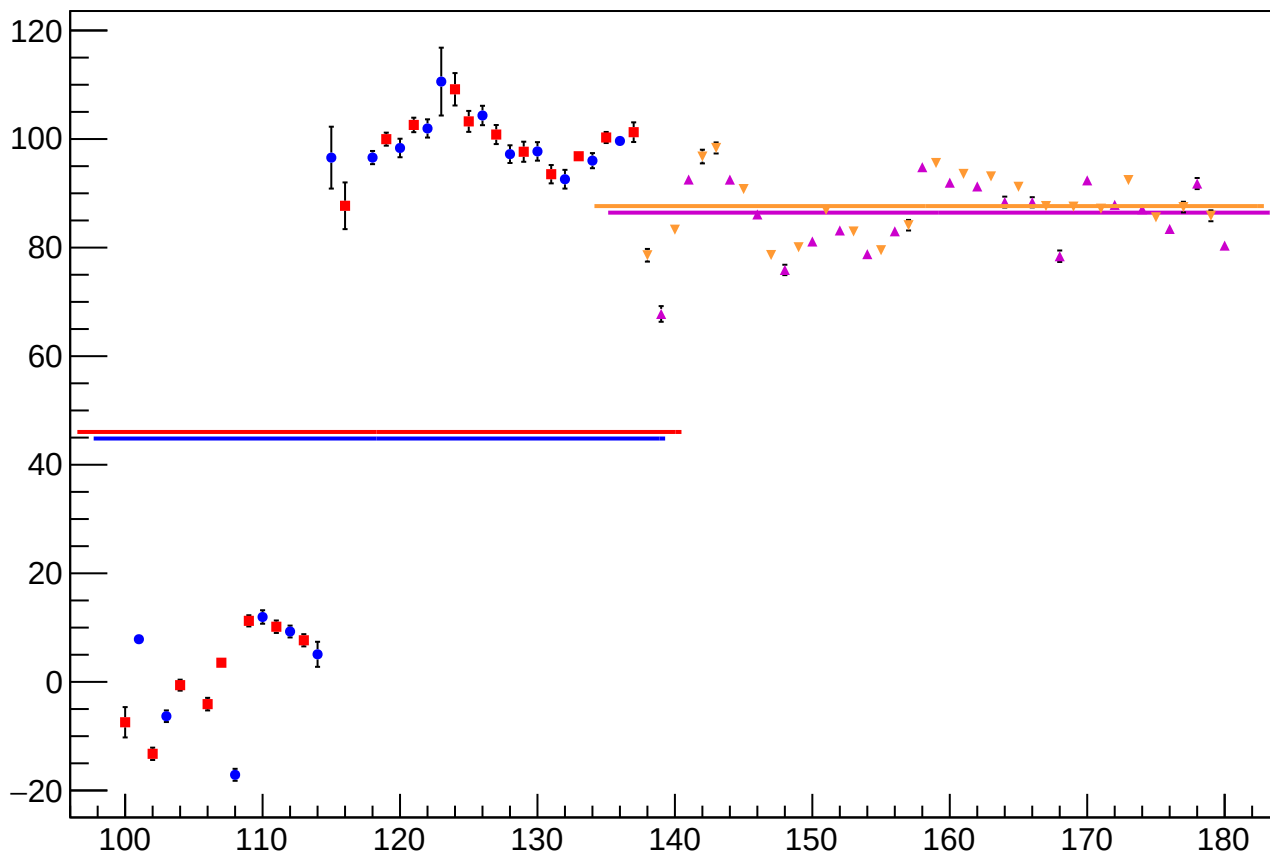
Left In: 12.781 ± 0.215 χ^2/NDF : 2100.7/20

+ sign 10.017 ± 0.198 χ^2/NDF : 2172.7/38

All: 10.197 ± 0.138 χ^2/NDF : 5041.3/78

- sign 10.365 ± 0.192 χ^2/NDF : 2867.0/39

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 87.647 $\pm$ 0.190 χ^2 /NDF: 854.4/21

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

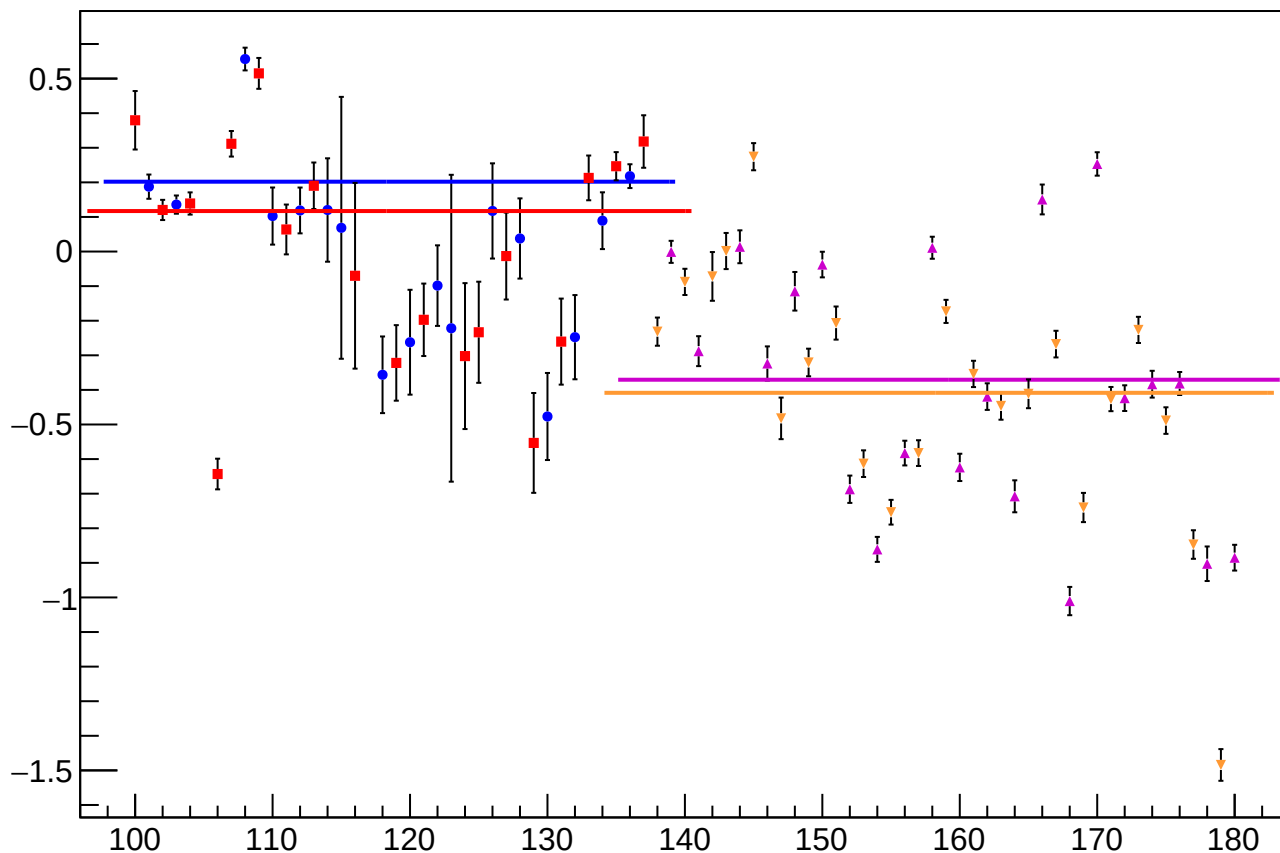
Left In: 86.440 $\pm$ 0.191 χ^2 /NDF: 991.4/20

+ sign 75.636 $\pm$ 0.161 χ^2 /NDF: 39829.6/38

All: 74.885 $\pm$ 0.113 χ^2 /NDF: 82679.5/78

- sign 74.149 $\pm$ 0.160 χ^2 /NDF: 42807.0/39

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.408 ± 0.009 χ^2/NDF : 1464.5/21

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

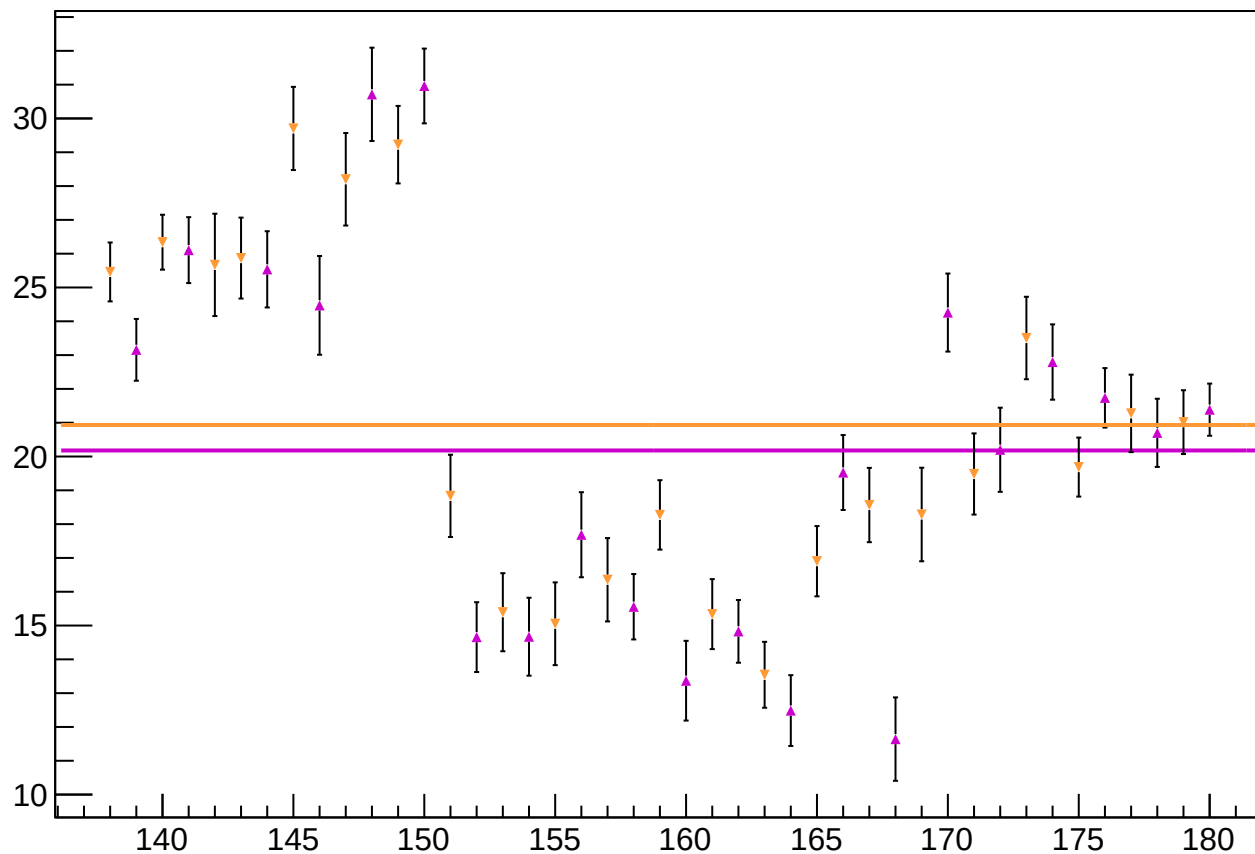
Left In: -0.371 ± 0.009 χ^2/NDF : 1867.0/20

+ sign -0.240 ± 0.007 χ^2/NDF : 3047.5/38

All: -0.232 ± 0.005 χ^2/NDF : 6398.2/78

- sign -0.225 ± 0.007 χ^2/NDF : 3348.4/39

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 20.933+/-0.233 χ^2/NDF : 417.1/21

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

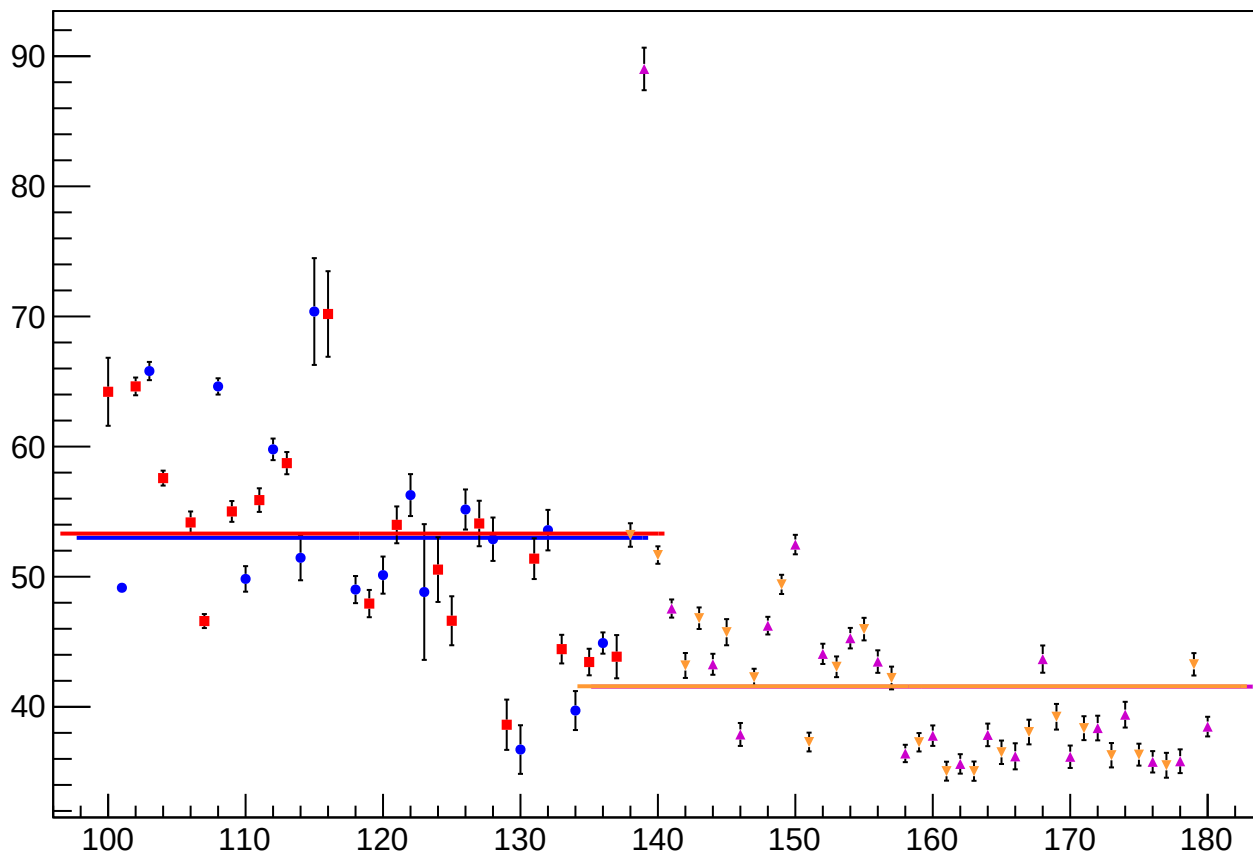
Left In: 20.179+/-0.232 χ^2/NDF : 502.9/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 20.554+/-0.164 χ^2/NDF : 925.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 ± 0.211 χ^2/NDF : 1198.0/16

Left Out: 41.581 ± 0.175 χ^2/NDF : 1003.9/21

Right Out: 53.315 ± 0.227 χ^2/NDF : 875.6/18

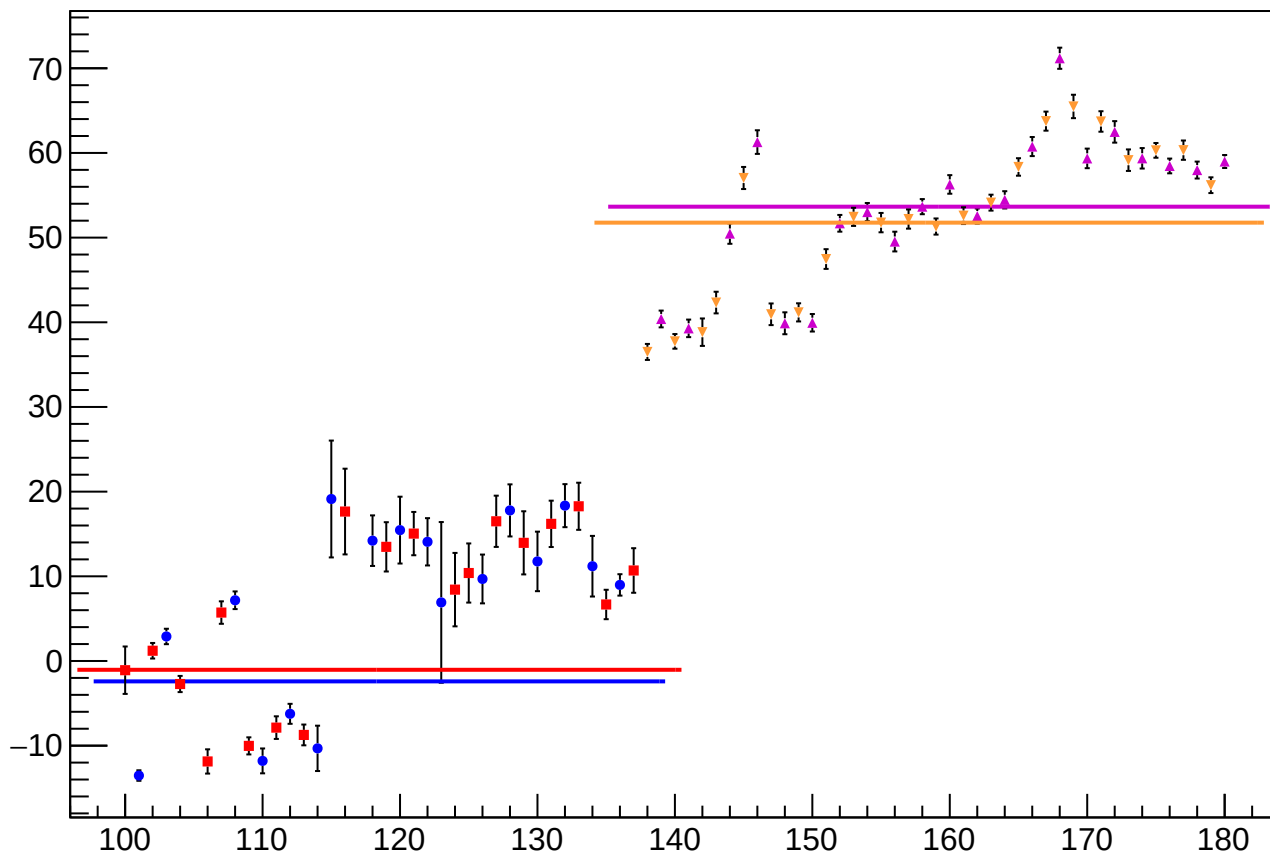
Left In: 41.553 ± 0.181 χ^2/NDF : 1594.3/20

+ sign 46.241 ± 0.135 χ^2/NDF : 3932.8/38

All: 46.185 ± 0.098 χ^2/NDF : 8048.6/78

- sign 46.123 ± 0.141 χ^2/NDF : 4115.4/39

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 51.768 ± 0.231 χ^2/NDF : 1408.5/21

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

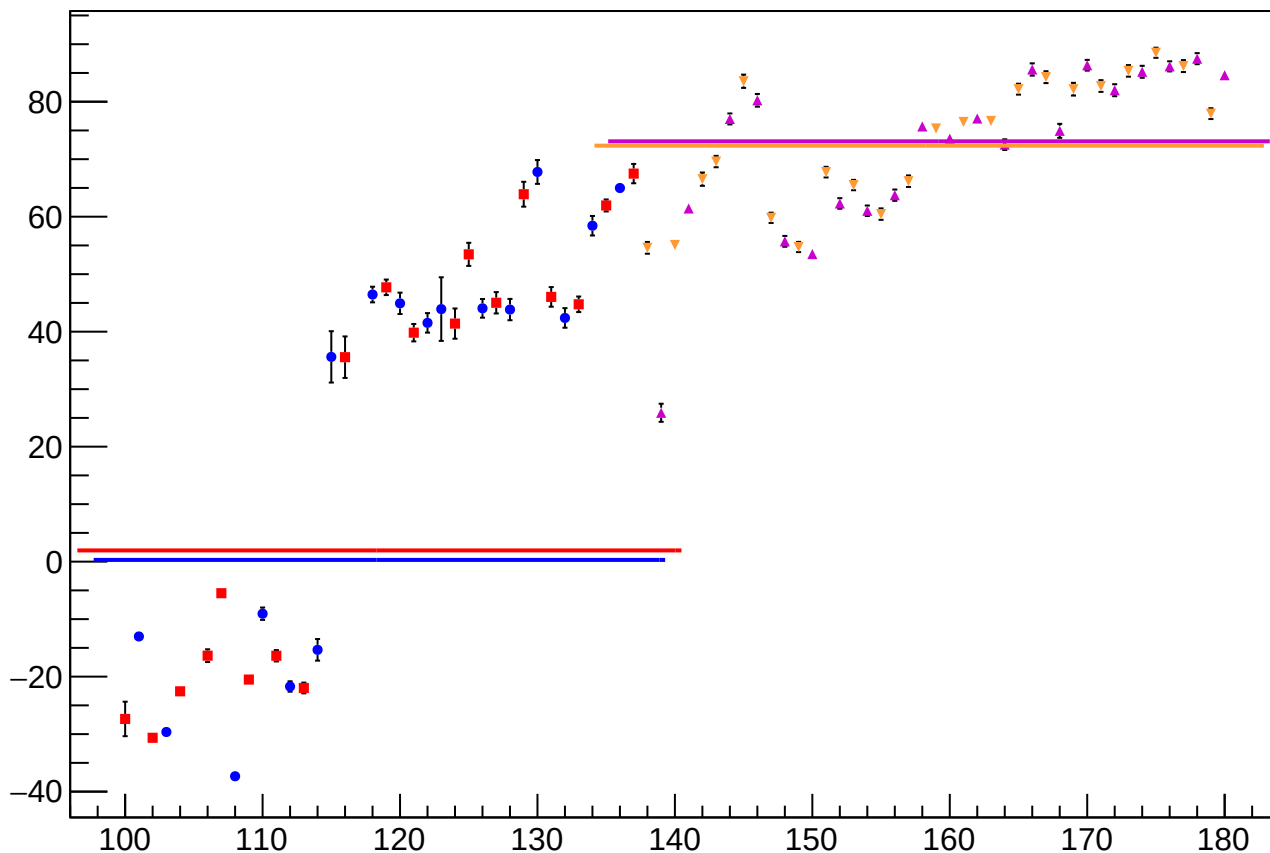
Left In: 53.653 ± 0.229 χ^2/NDF : 1151.0/20

+ sign 36.225 ± 0.195 χ^2/NDF : 18012.8/38

All: 37.578 ± 0.138 χ^2/NDF : 35146.3/78

- sign 38.937 ± 0.196 χ^2/NDF : 17037.2/39

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 72.356 ± 0.199 χ^2/NDF : 2945.1/21

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

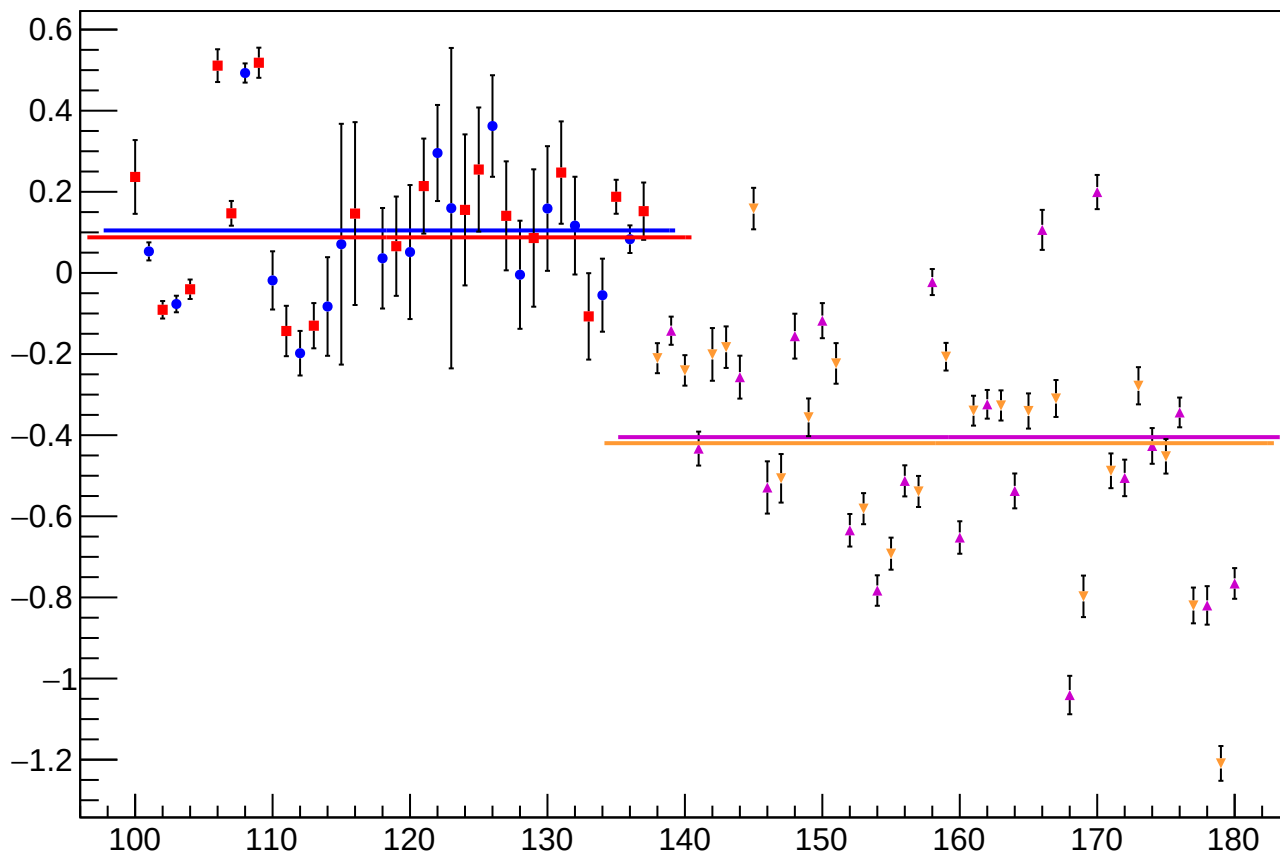
Left In: 73.111 ± 0.203 χ^2/NDF : 3644.1/20

+ sign 43.979 ± 0.155 χ^2/NDF : 72618.0/38

All: 45.439 ± 0.112 χ^2/NDF : 137006.4/78

- sign 47.019 ± 0.161 χ^2/NDF : 64204.2/39

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.420 ± 0.009 χ^2/NDF : 857.8/21

Right Out: 0.088 ± 0.011 χ^2/NDF : 390.9/18

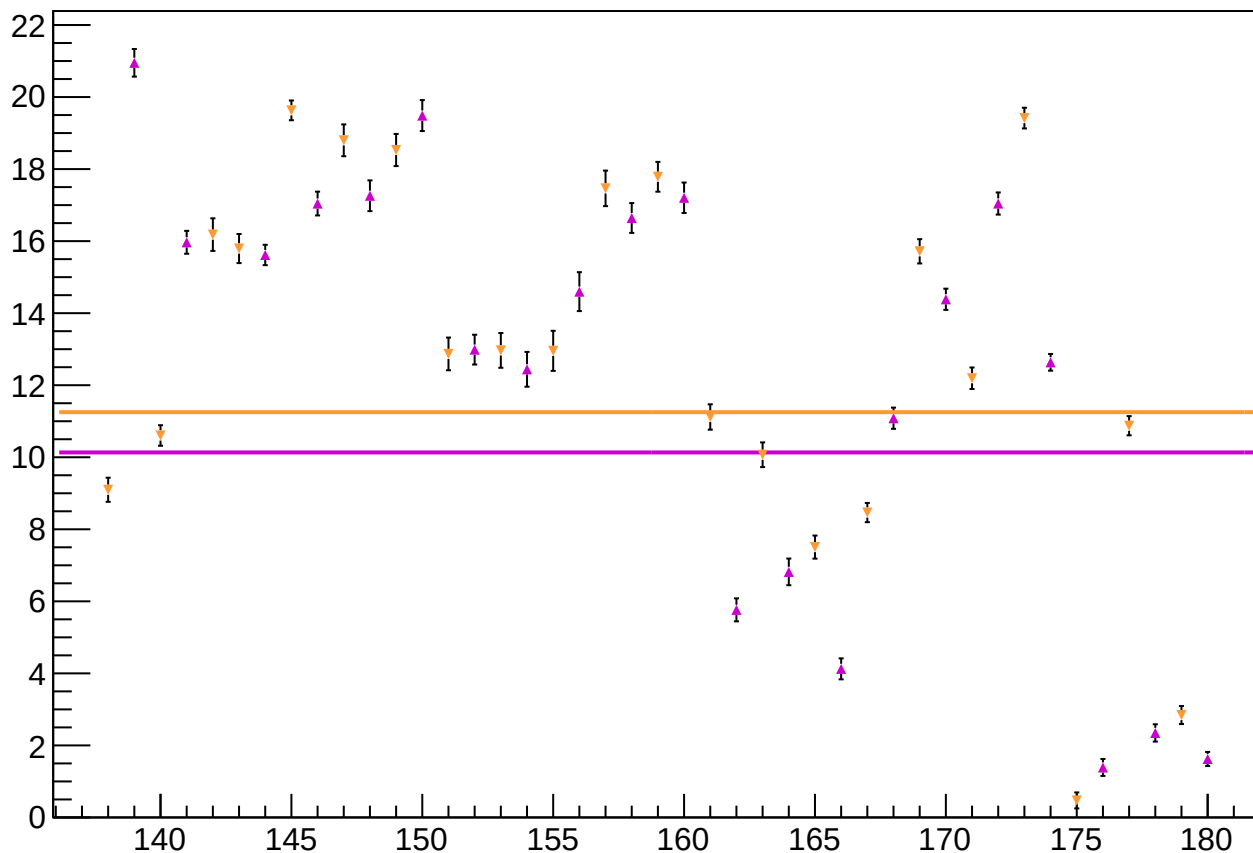
Left In: -0.405 ± 0.009 χ^2/NDF : 1138.5/20

+ sign -0.206 ± 0.007 χ^2/NDF : 2596.1/38

All: -0.206 ± 0.005 χ^2/NDF : 5316.0/78

- sign -0.205 ± 0.007 χ^2/NDF : 2719.9/39

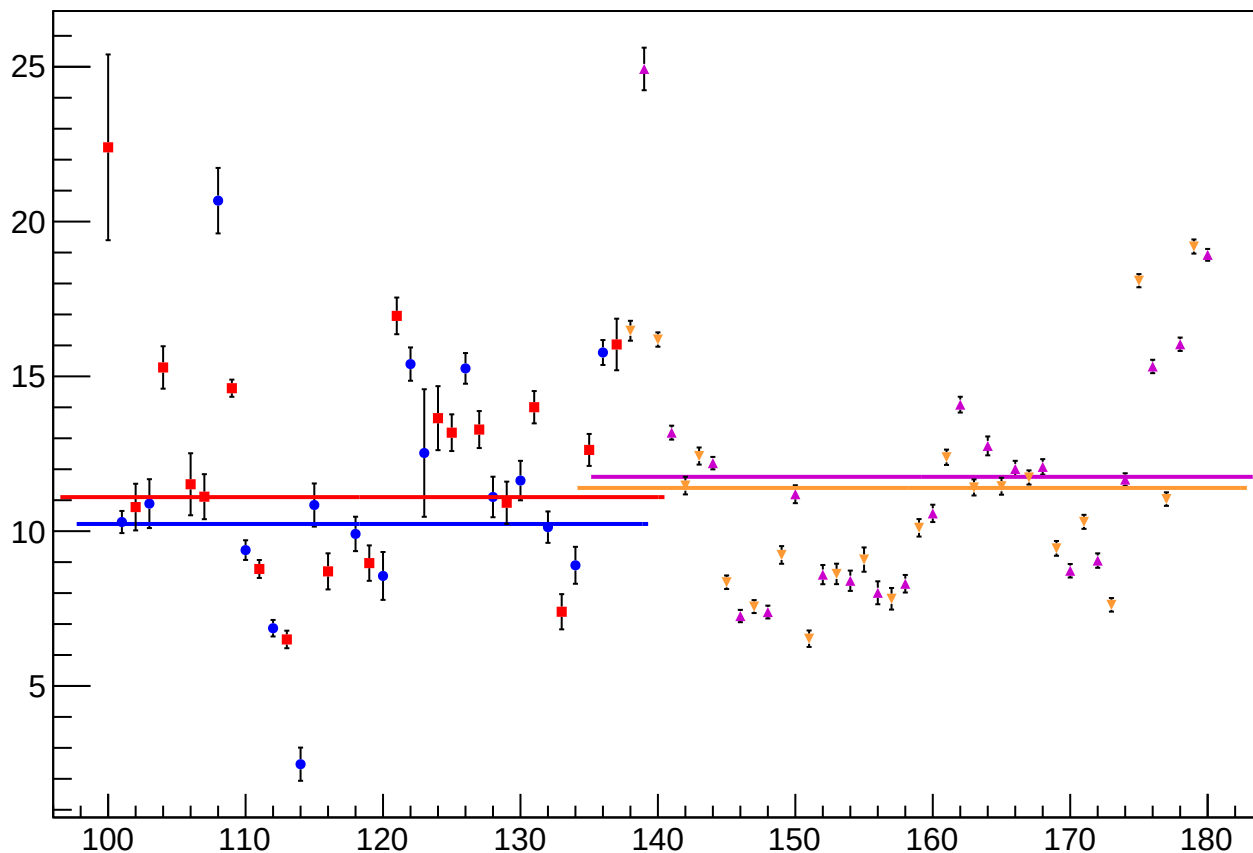
reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 11.252+/-0.071 χ^2/NDF : 6958.9/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 10.134+/-0.068 χ^2/NDF : 9214.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 10.671+/-0.049 χ^2/NDF : 16303.2/42
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232+/-0.119 χ^2/NDF : 876.7/16

Left Out: 11.397+/-0.054 χ^2/NDF : 4401.9/21

Right Out: 11.100+/-0.116 χ^2/NDF : 817.8/18

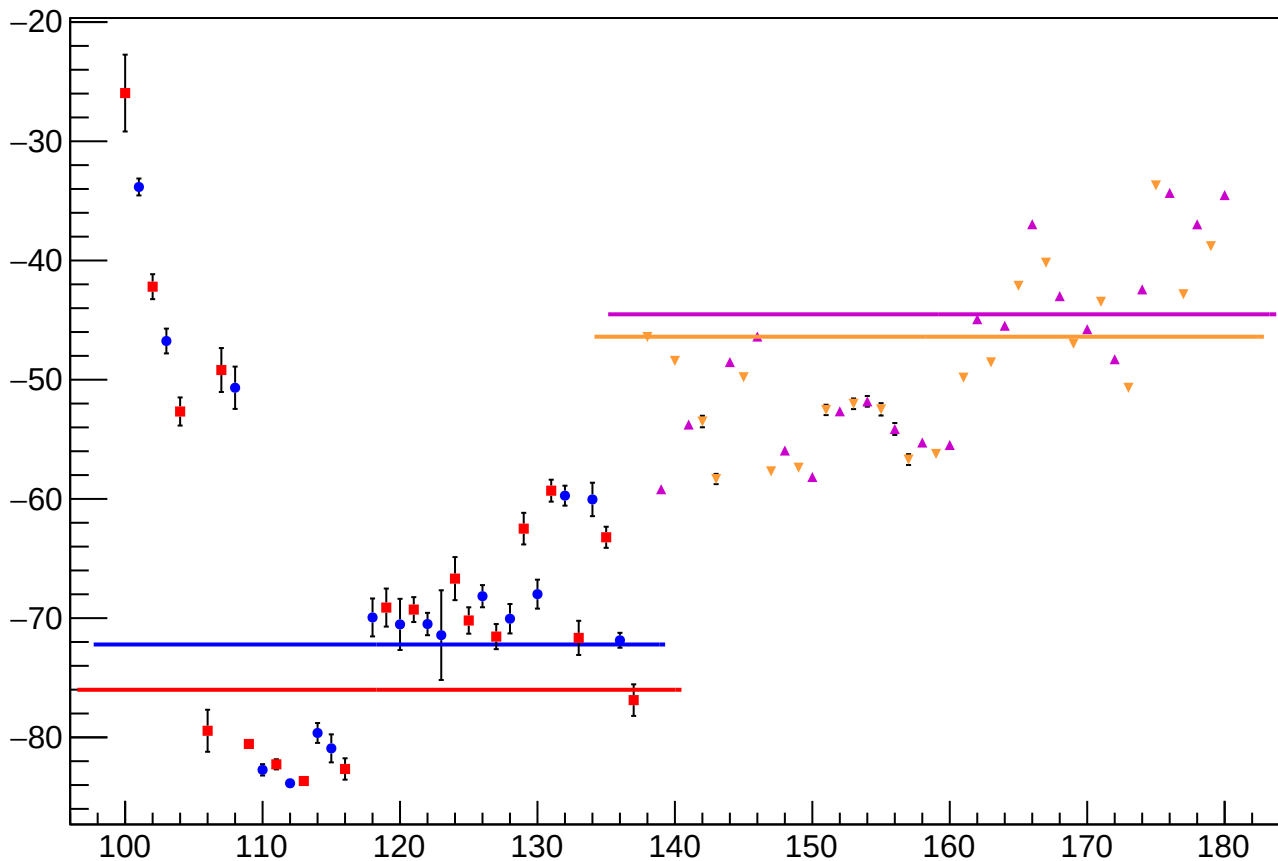
Left In: 11.755+/-0.054 χ^2/NDF : 4335.0/20

+ sign 11.199+/-0.049 χ^2/NDF : 5357.6/38

All: 11.422+/-0.035 χ^2/NDF : 10577.2/78

- sign 11.640+/-0.049 χ^2/NDF : 5178.9/39

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$

Left Out: -46.393 ± 0.071 $\chi^2/\text{NDF}: 9785.1/21$

Right Out: -76.009 ± 0.181 $\chi^2/\text{NDF}: 3463.3/18$

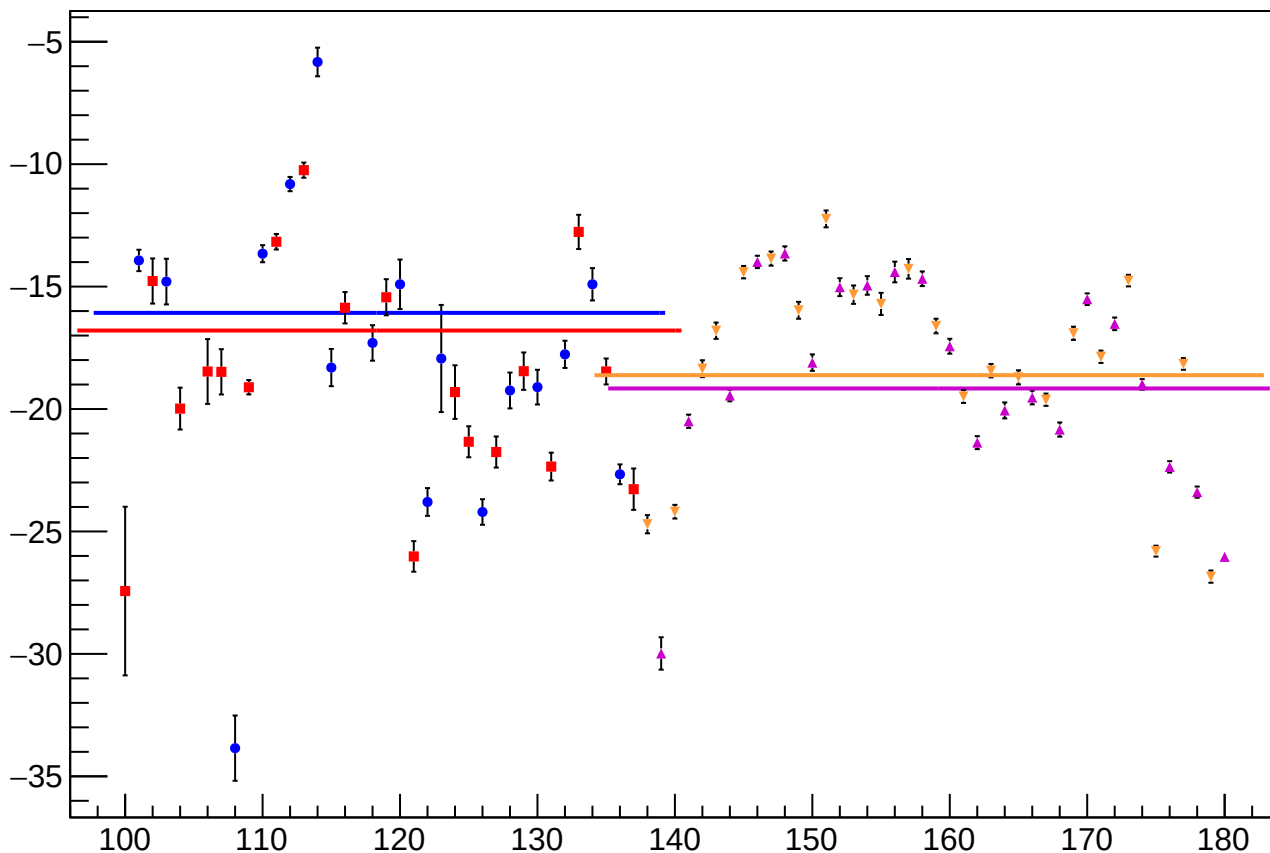
Left In: -44.514 ± 0.068 $\chi^2/\text{NDF}: 13249.7/20$

+ sign -49.313 ± 0.067 $\chi^2/\text{NDF}: 30432.1/38$

All: -48.834 ± 0.046 $\chi^2/\text{NDF}: 73792.1/78$

- sign -48.398 ± 0.064 $\chi^2/\text{NDF}: 43261.1/39$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073+/-0.133 χ^2/NDF : 1640.5/16

Left Out: -18.618+/-0.061 χ^2/NDF : 4384.3/21

Right Out: -16.795+/-0.128 χ^2/NDF : 1216.0/18

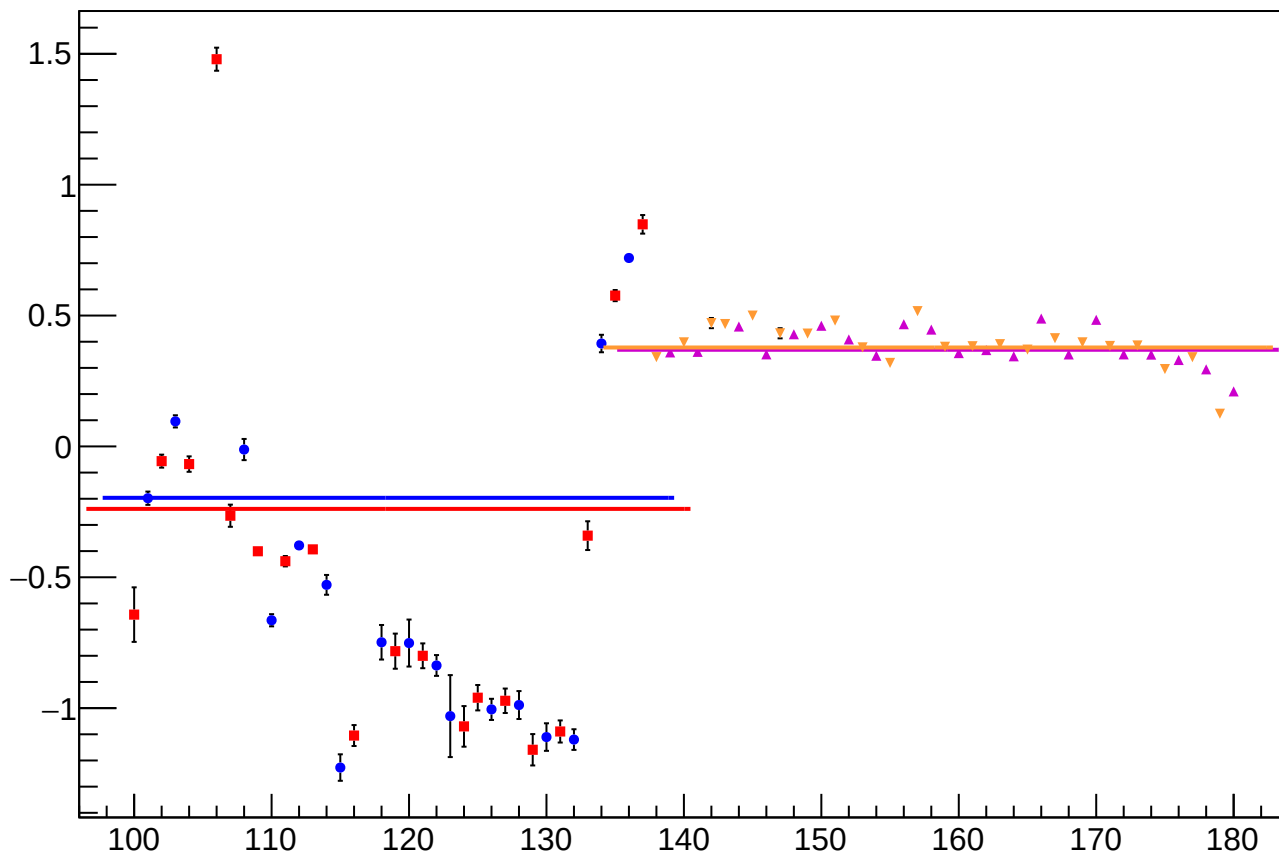
Left In: -19.161+/-0.060 χ^2/NDF : 3838.0/20

+ sign -18.172+/-0.056 χ^2/NDF : 6329.0/38

All: -18.457+/-0.039 χ^2/NDF : 11714.2/78

- sign -18.733+/-0.055 χ^2/NDF : 5333.2/39

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.378 ± 0.003 χ^2/NDF : 890.7/21

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

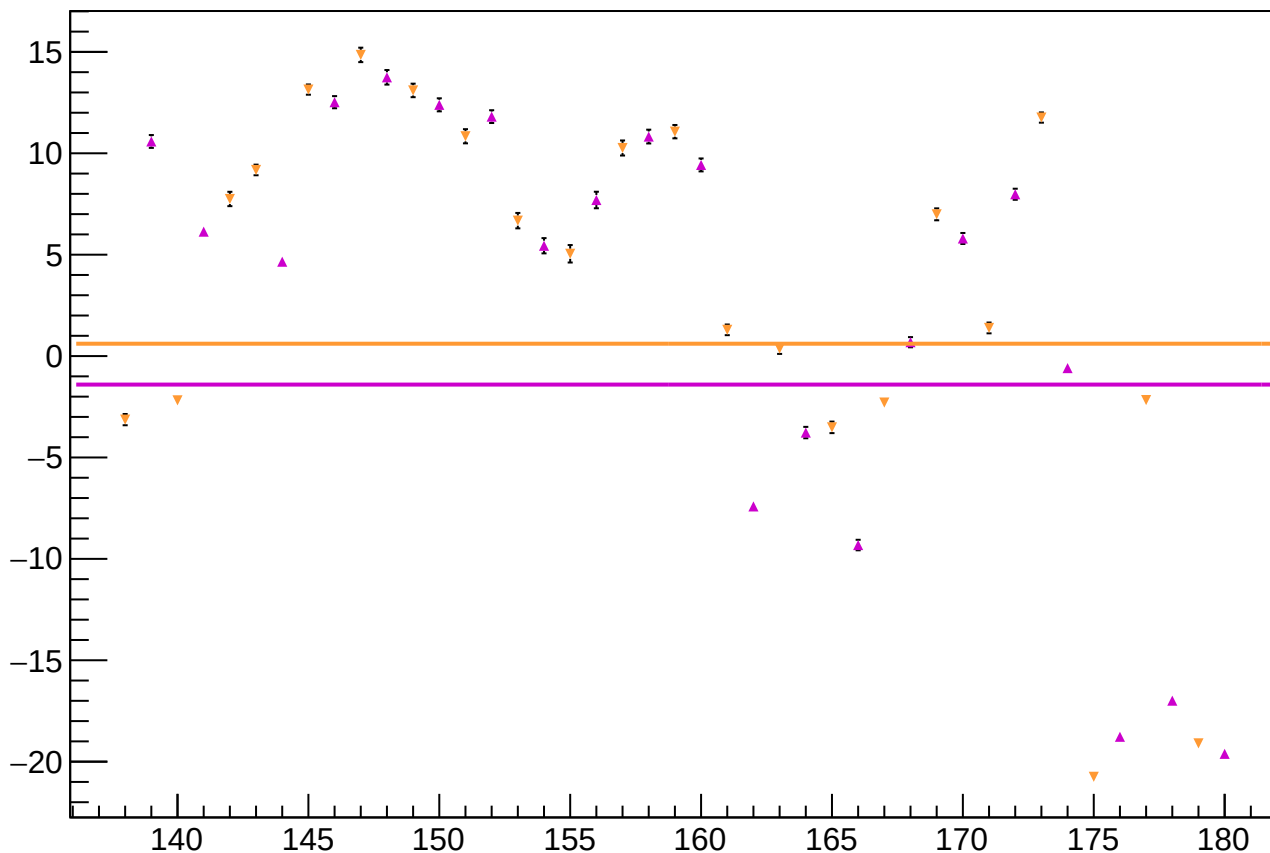
Left In: 0.369 ± 0.003 χ^2/NDF : 707.6/20

+ sign 0.307 ± 0.003 χ^2/NDF : 12297.2/38

All: 0.299 ± 0.002 χ^2/NDF : 25462.0/78

- sign 0.291 ± 0.003 χ^2/NDF : 13145.3/39

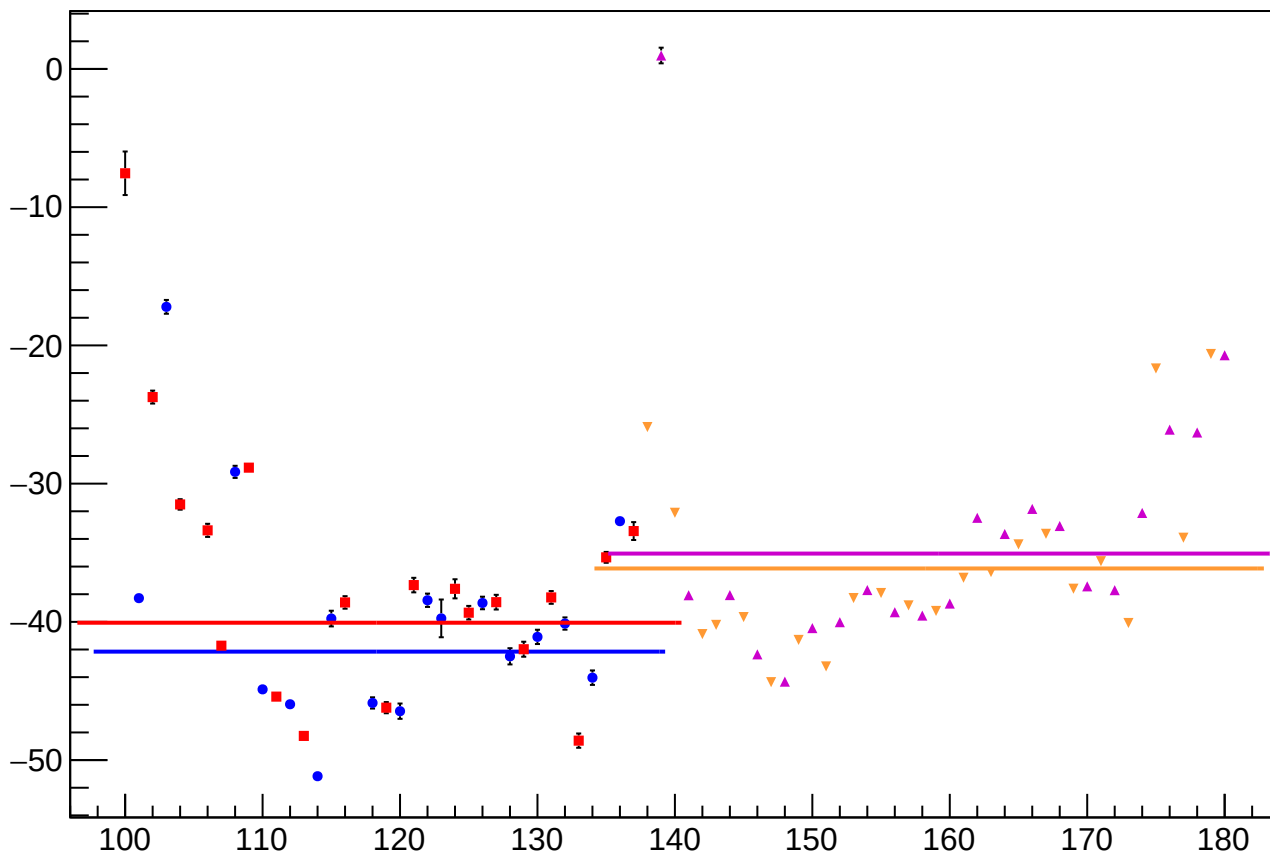
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.610 $\pm$ 0.059 χ^2 /NDF:32264.8/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.406 $\pm$ 0.058 χ^2 /NDF:38616.5/20

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.411 $\pm$ 0.041 χ^2 /NDF: 71475.6/42
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -36.137 ± 0.044 $\chi^2/\text{NDF}: 19851.8/21$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

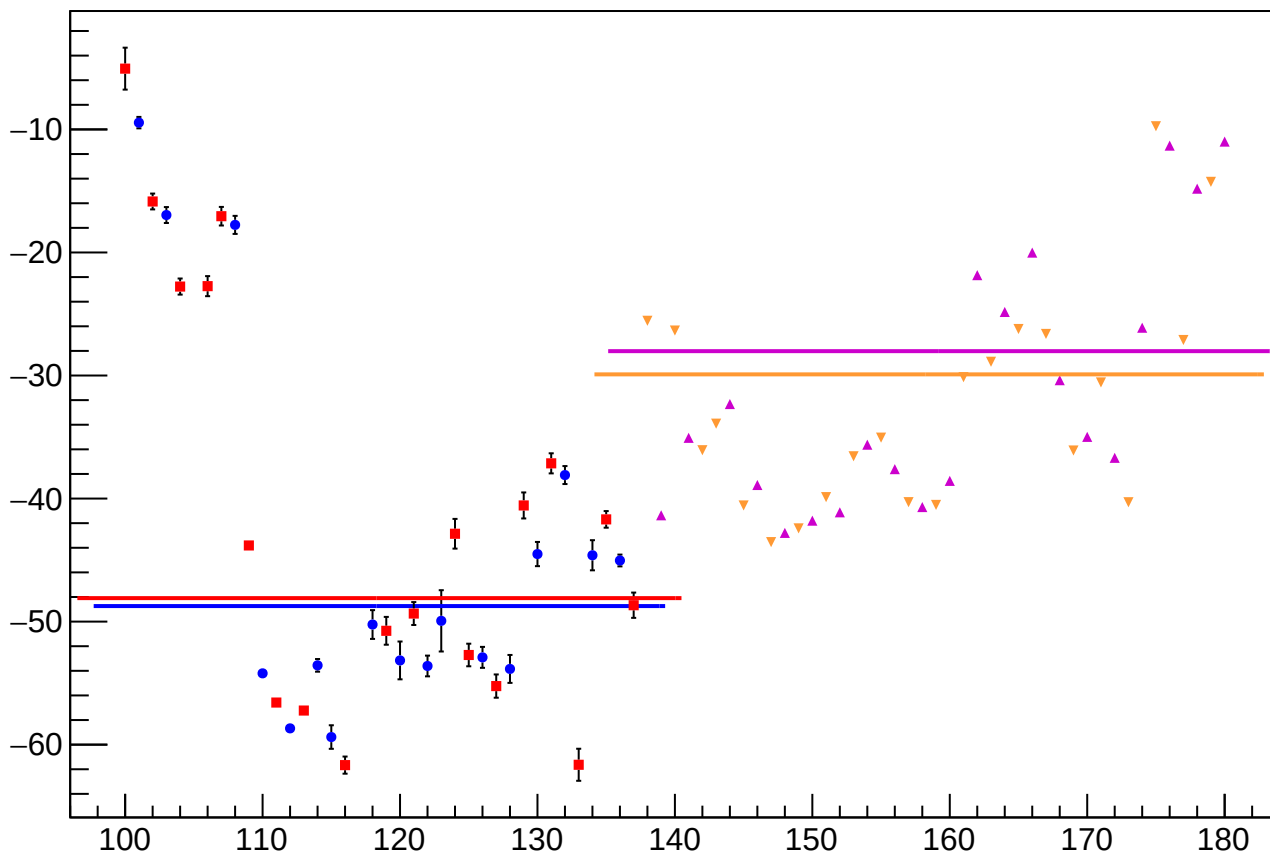
Left In: -35.060 ± 0.045 $\chi^2/\text{NDF}: 22330.4/20$

+ sign -37.614 ± 0.039 $\chi^2/\text{NDF}: 30896.0/38$

All: -37.038 ± 0.027 $\chi^2/\text{NDF}: 68389.6/78$

- sign -36.464 ± 0.039 $\chi^2/\text{NDF}: 37050.6/39$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -29.907 ± 0.059 χ^2/NDF : 27034.9/21

Right Out: -48.092 ± 0.107 χ^2/NDF : 11733.2/18

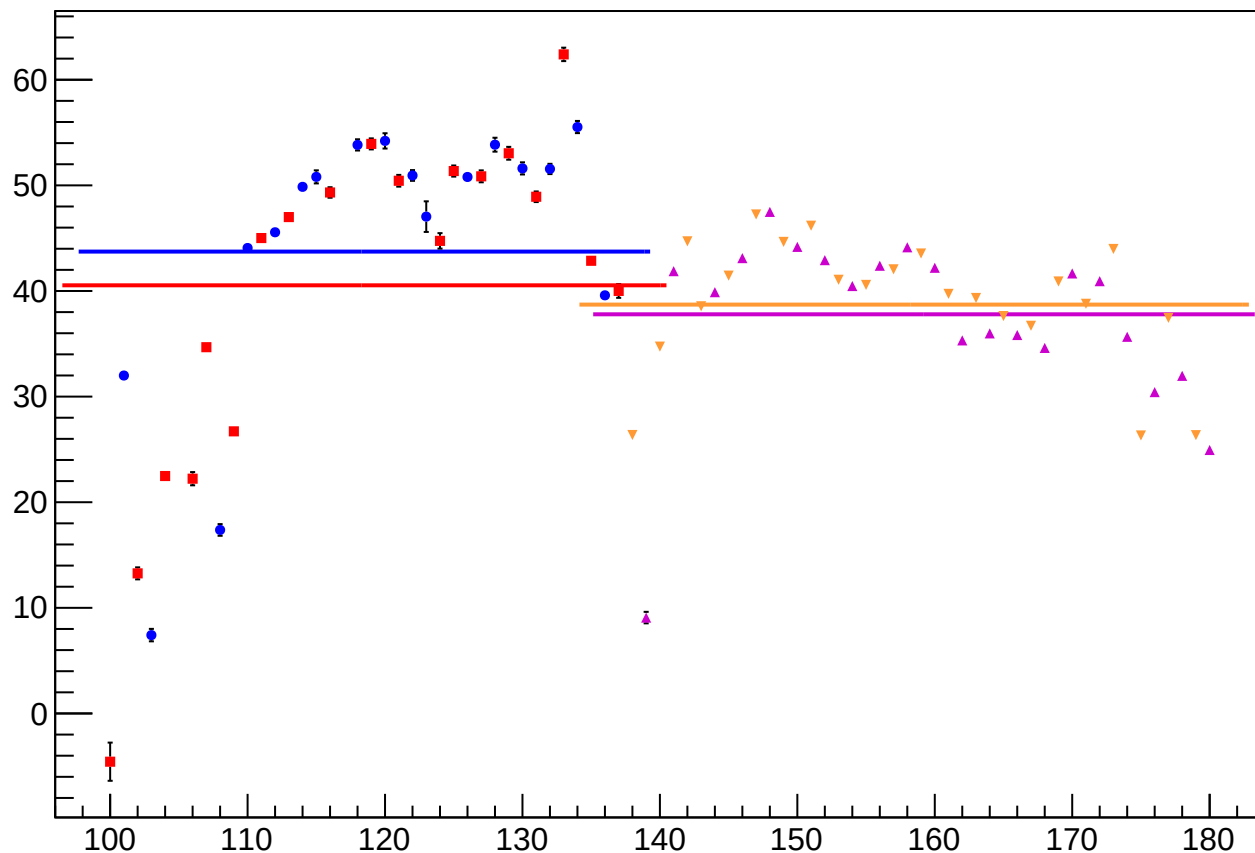
Left In: -28.020 ± 0.058 χ^2/NDF : 35773.9/20

+ sign -33.344 ± 0.053 χ^2/NDF : 60374.1/38

All: -32.930 ± 0.037 χ^2/NDF : 135121.8/78

- sign -32.551 ± 0.051 χ^2/NDF : 74631.9/39

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 $\pm$ 0.087 χ^2/NDF : 10567.7/16

Left Out: 38.711 $\pm$ 0.051 χ^2/NDF : 13509.3/21

Right Out: 40.537 $\pm$ 0.080 χ^2/NDF : 17601.3/18

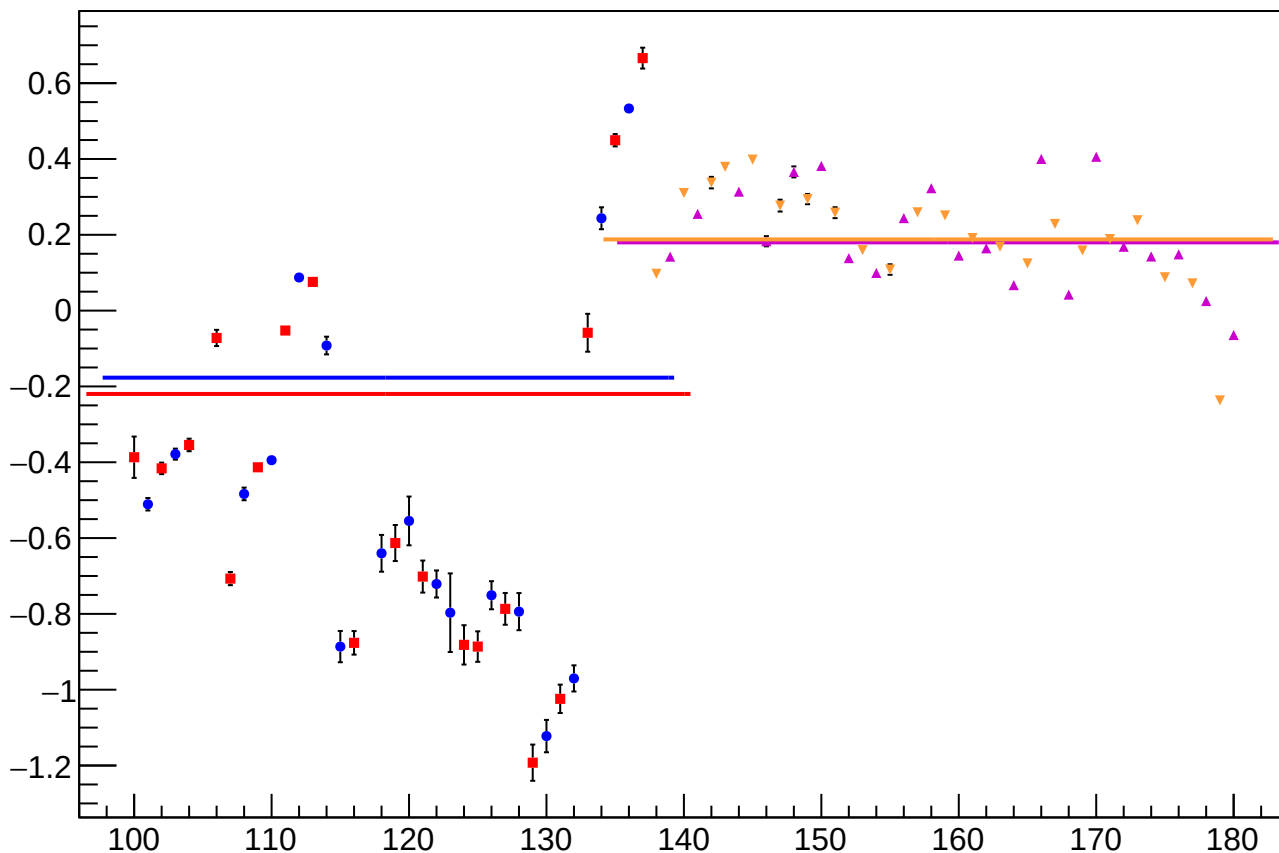
Left In: 37.793 $\pm$ 0.051 χ^2/NDF : 15121.1/20

+ sign 39.982 $\pm$ 0.044 χ^2/NDF : 26571.9/38

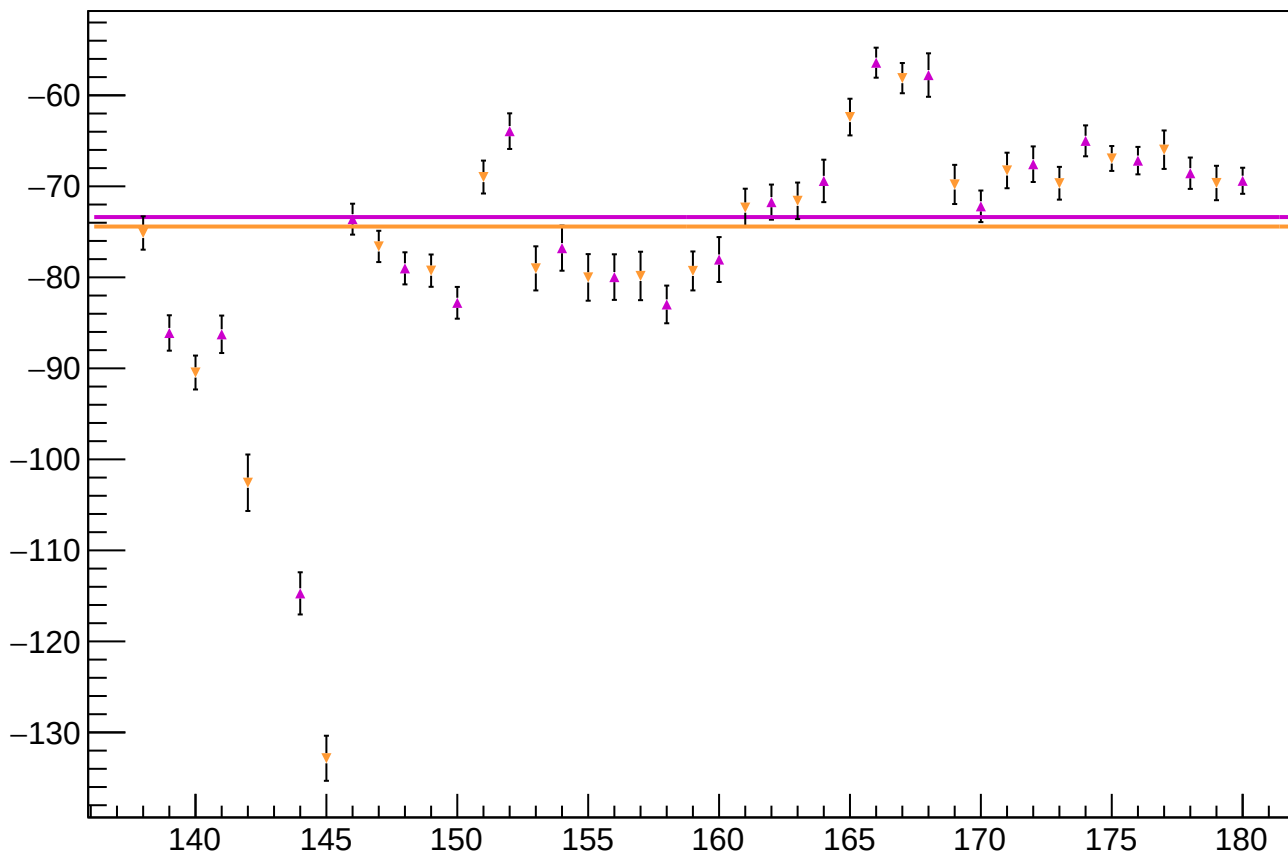
All: 39.275 $\pm$ 0.031 χ^2/NDF : 60644.5/78

- sign 38.586 $\pm$ 0.043 χ^2/NDF : 33555.4/39

reg_asym_sam8_diff_bpm12X_slope vs Slug



reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -74.418+/-0.430 χ^2/NDF : 958.2/20

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

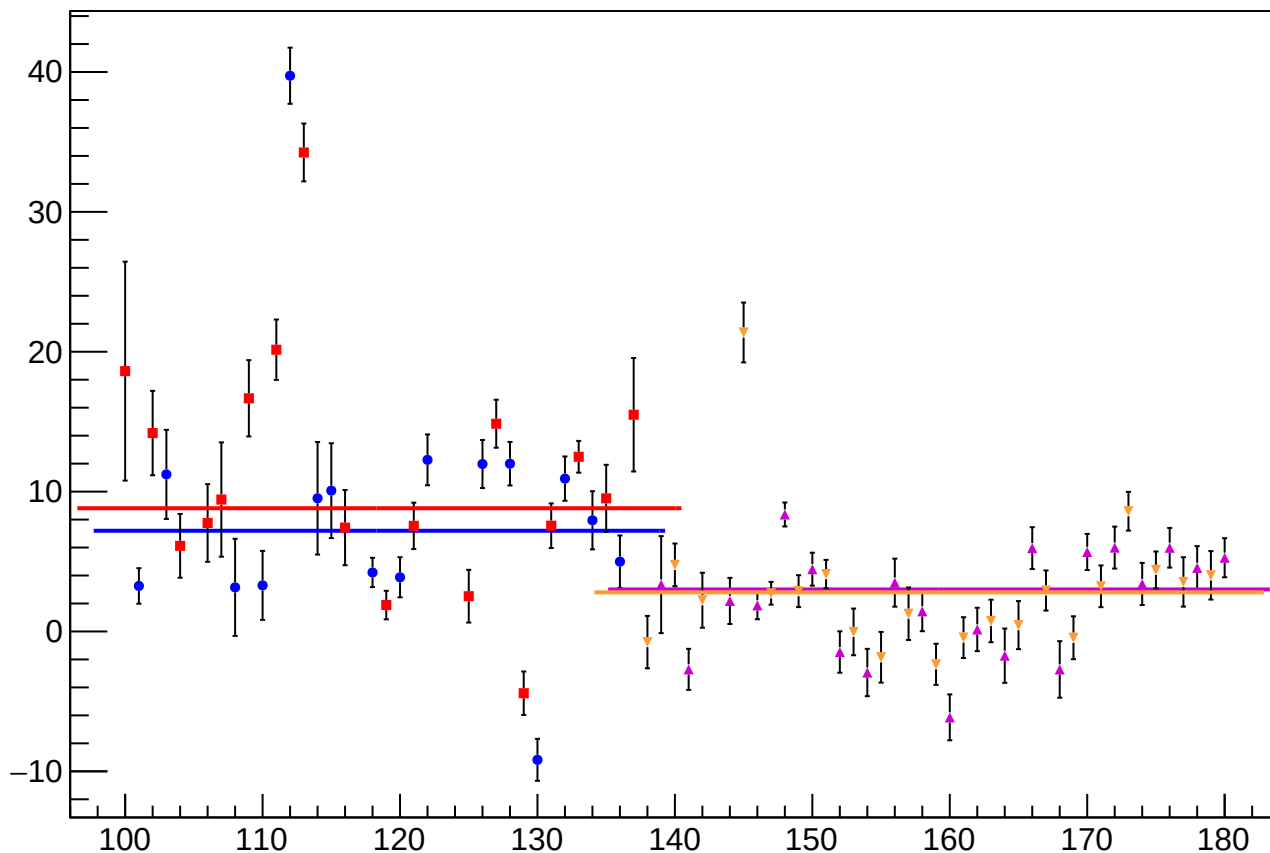
Left In: -73.376+/-0.413 χ^2/NDF : 714.9/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -73.876+/-0.298 χ^2/NDF : 1676.1/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.798 ± 0.313 χ^2/NDF : 137.6/20

Right Out: 8.810 ± 0.448 χ^2/NDF : 349.7/17

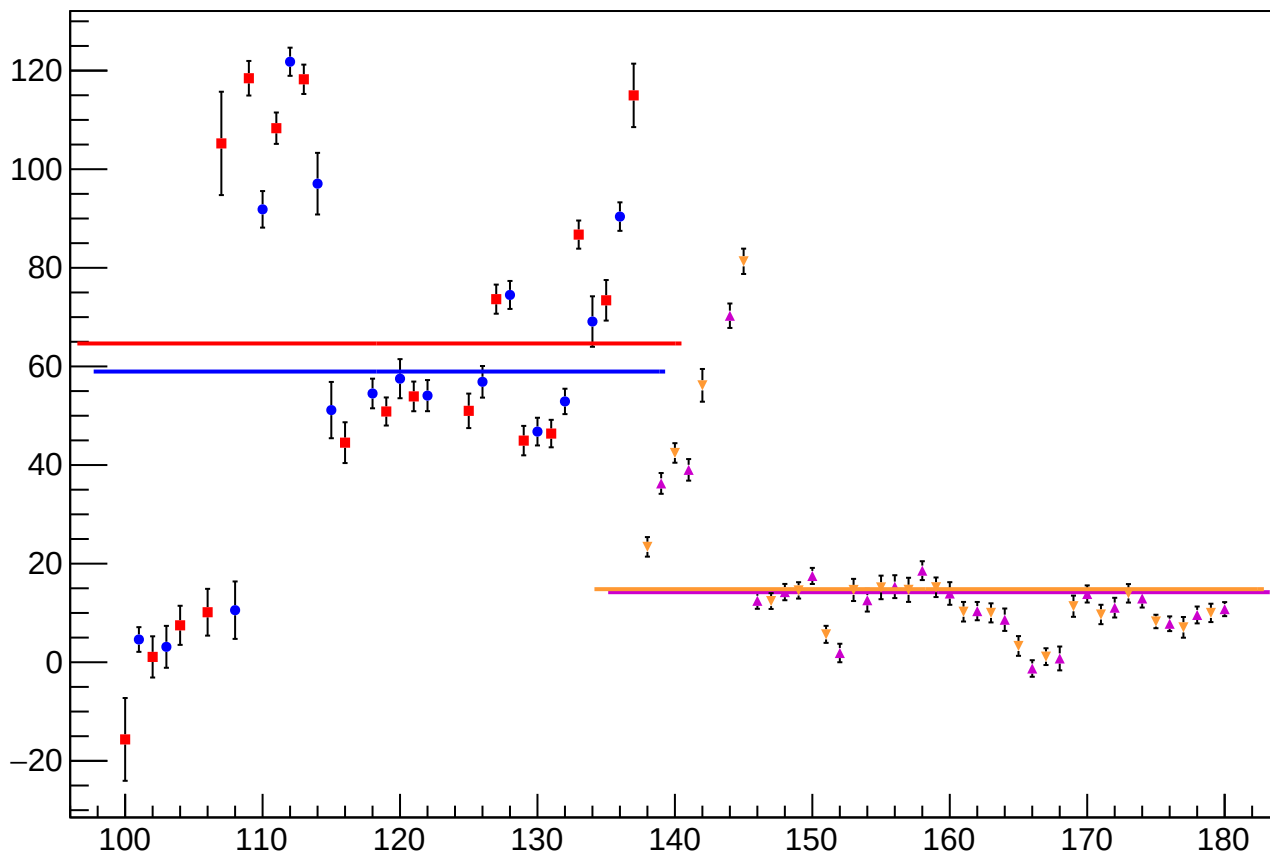
Left In: 3.005 ± 0.311 χ^2/NDF : 148.9/20

+ sign 4.279 ± 0.255 χ^2/NDF : 647.9/36

All: 4.588 ± 0.181 χ^2/NDF : 1262.7/75

- sign 4.898 ± 0.256 χ^2/NDF : 611.8/38

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 14.825 $\pm$ 0.424 χ^2 /NDF:1230.4/20

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

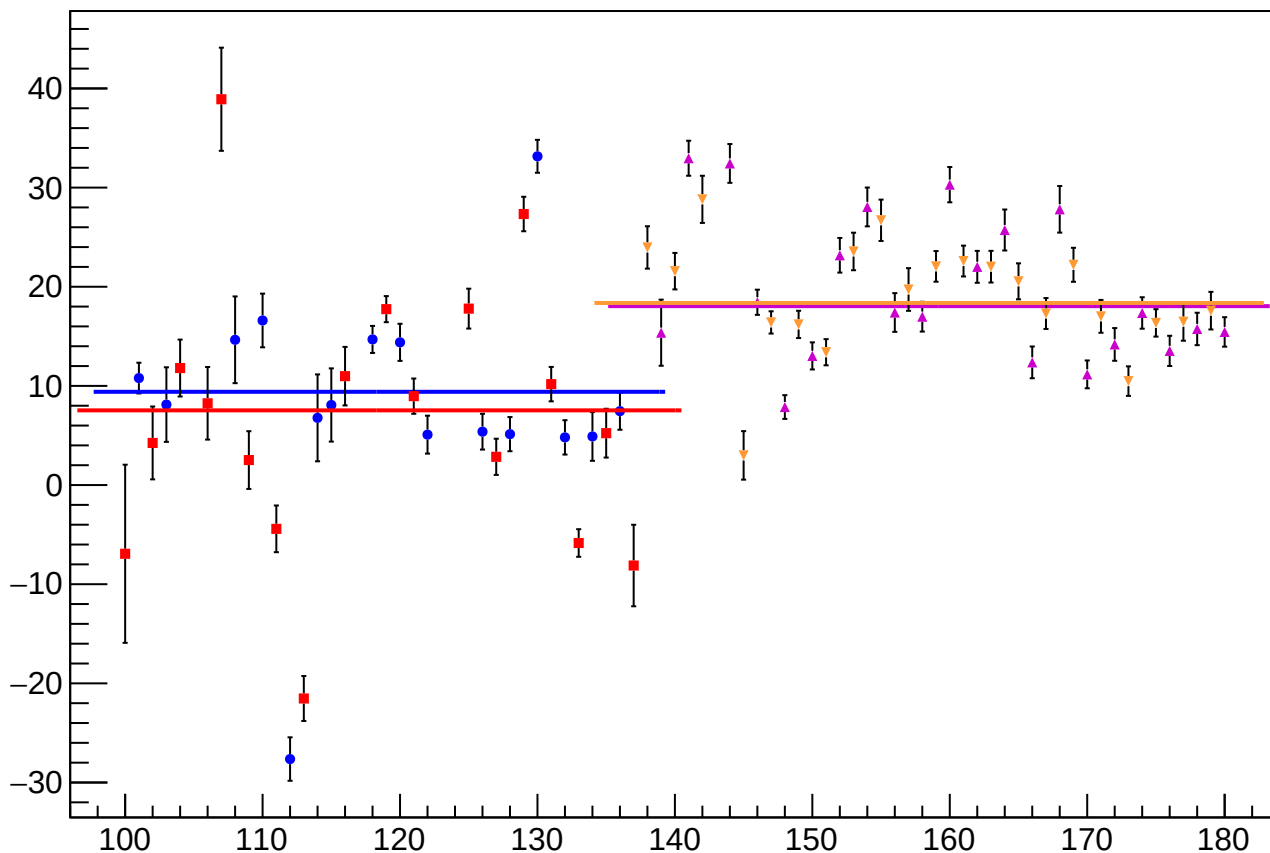
Left In: 14.210 $\pm$ 0.408 χ^2 /NDF:964.9/20

+ sign 23.847 $\pm$ 0.378 χ^2 /NDF: 4939.5/36

All: 23.842 $\pm$ 0.263 χ^2 /NDF: 10544.0/75

- sign 23.839 $\pm$ 0.367 χ^2 /NDF: 5604.6/38

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 $\pm$ 0.507 χ^2/NDF : 549.5/15

Left Out: 18.365 $\pm$ 0.362 χ^2/NDF : 169.6/20

Right Out: 7.533 $\pm$ 0.515 χ^2/NDF : 569.8/17

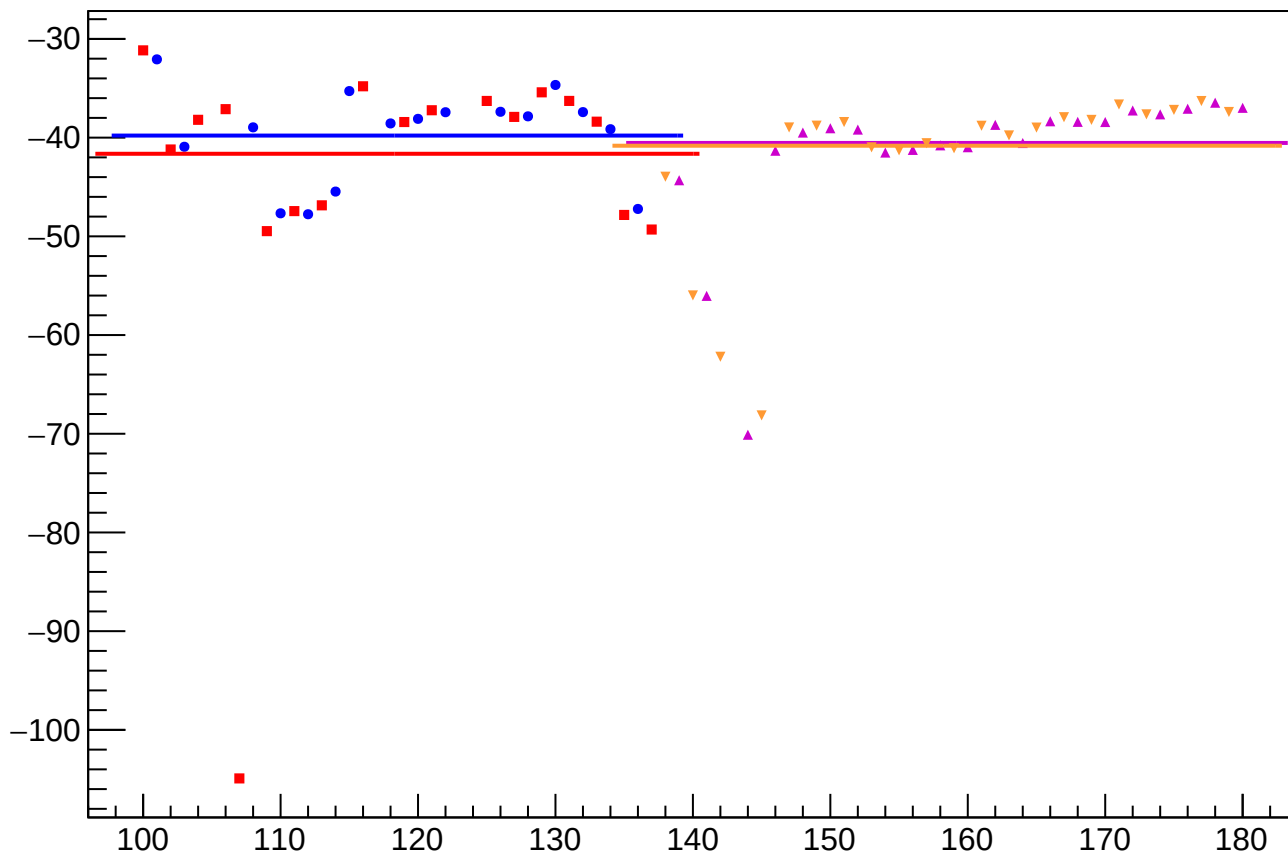
Left In: 18.043 $\pm$ 0.357 χ^2/NDF : 388.0/20

+ sign 15.342 $\pm$ 0.294 χ^2/NDF : 926.2/36

All: 14.986 $\pm$ 0.208 χ^2/NDF : 2168.5/75

- sign 14.634 $\pm$ 0.293 χ^2/NDF : 1239.3/38

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -40.819 ± 0.017 χ^2/NDF : 150243.3/20

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

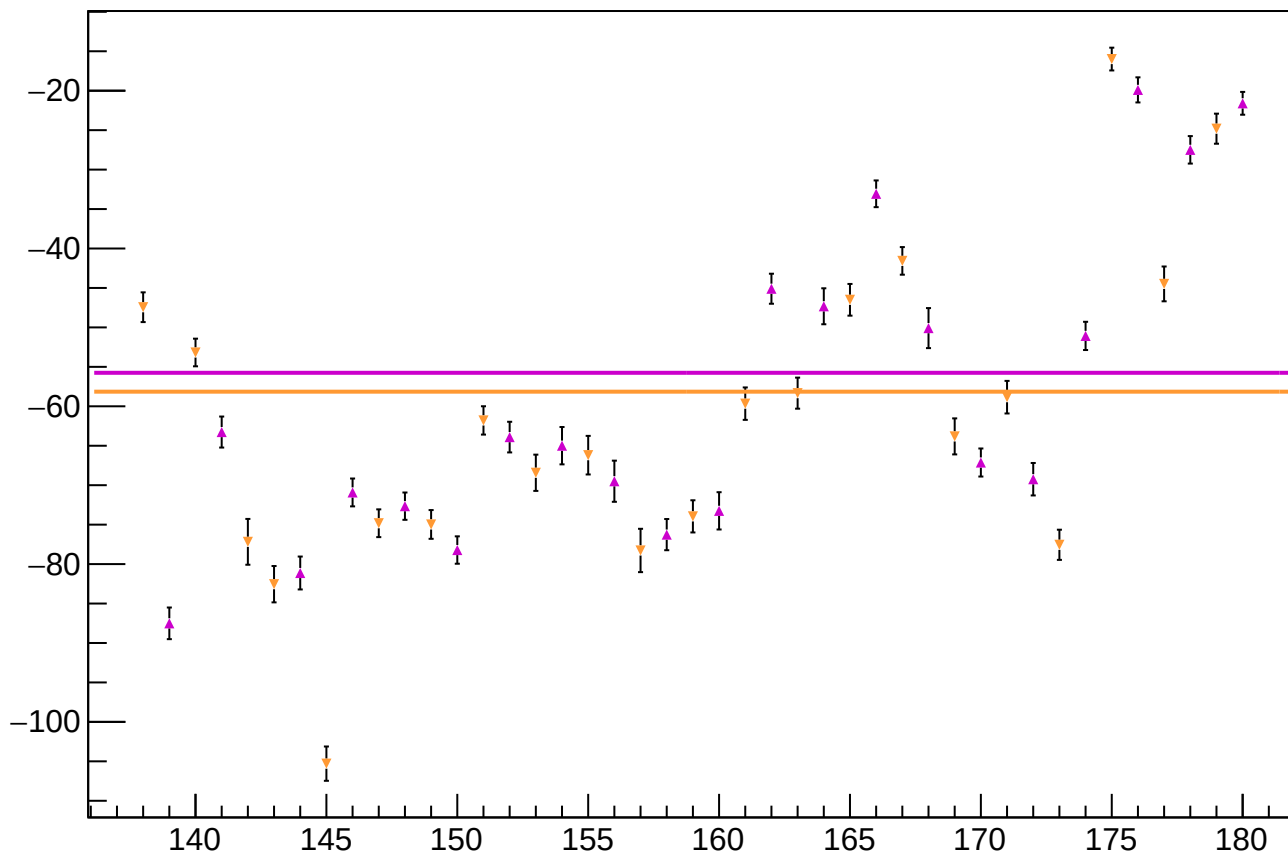
Left In: -40.538 ± 0.016 χ^2/NDF : 123589.4/20

+ sign -40.583 ± 0.015 χ^2/NDF : 177217.3/36

All: -40.683 ± 0.010 χ^2/NDF : 396252.9/75

- sign -40.778 ± 0.015 χ^2/NDF : 218948.9/38

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -58.146+/-0.426 χ^2/NDF : 2420.1/21

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

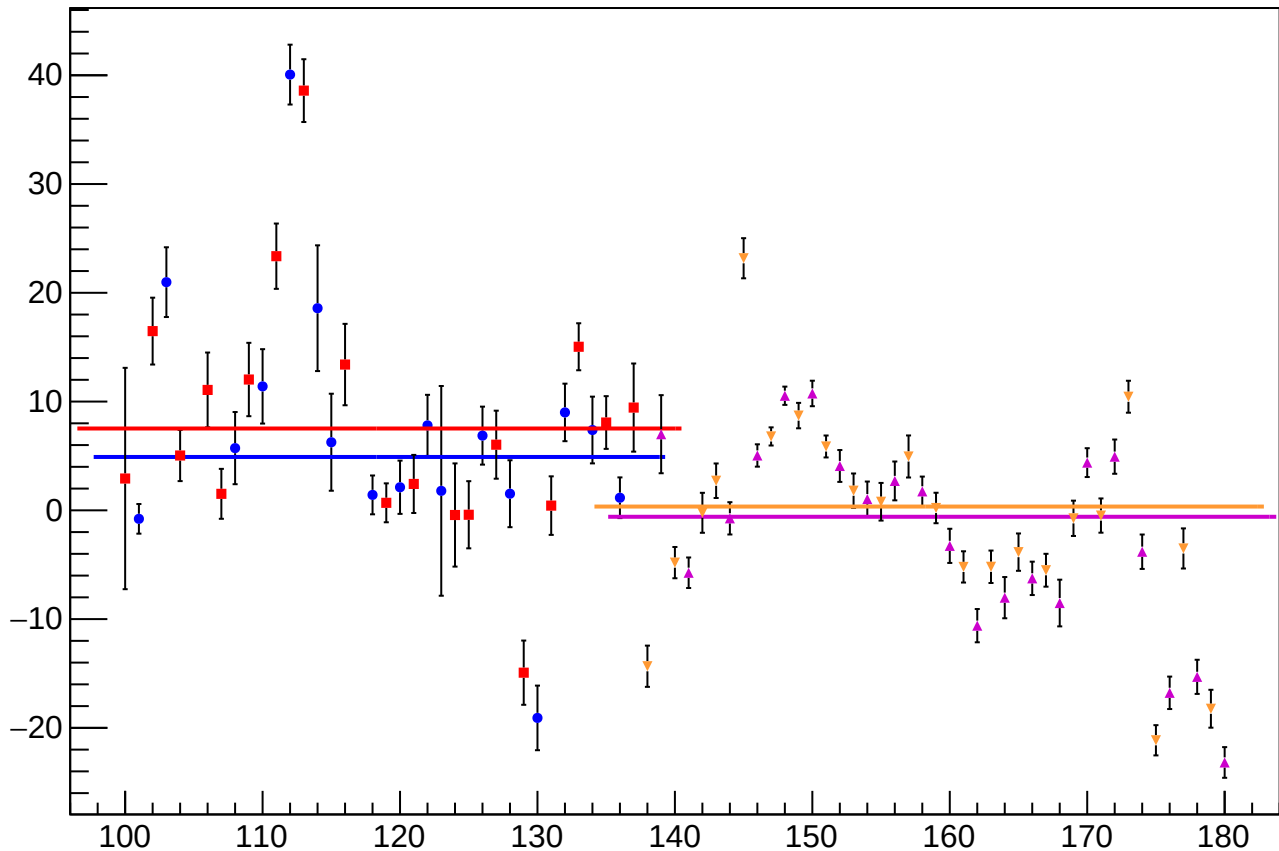
Left In: -55.754+/-0.416 χ^2/NDF : 2622.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -56.921+/-0.297 χ^2/NDF : 5059.0/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 0.347 ± 0.308 χ^2/NDF : 830.7/21

Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

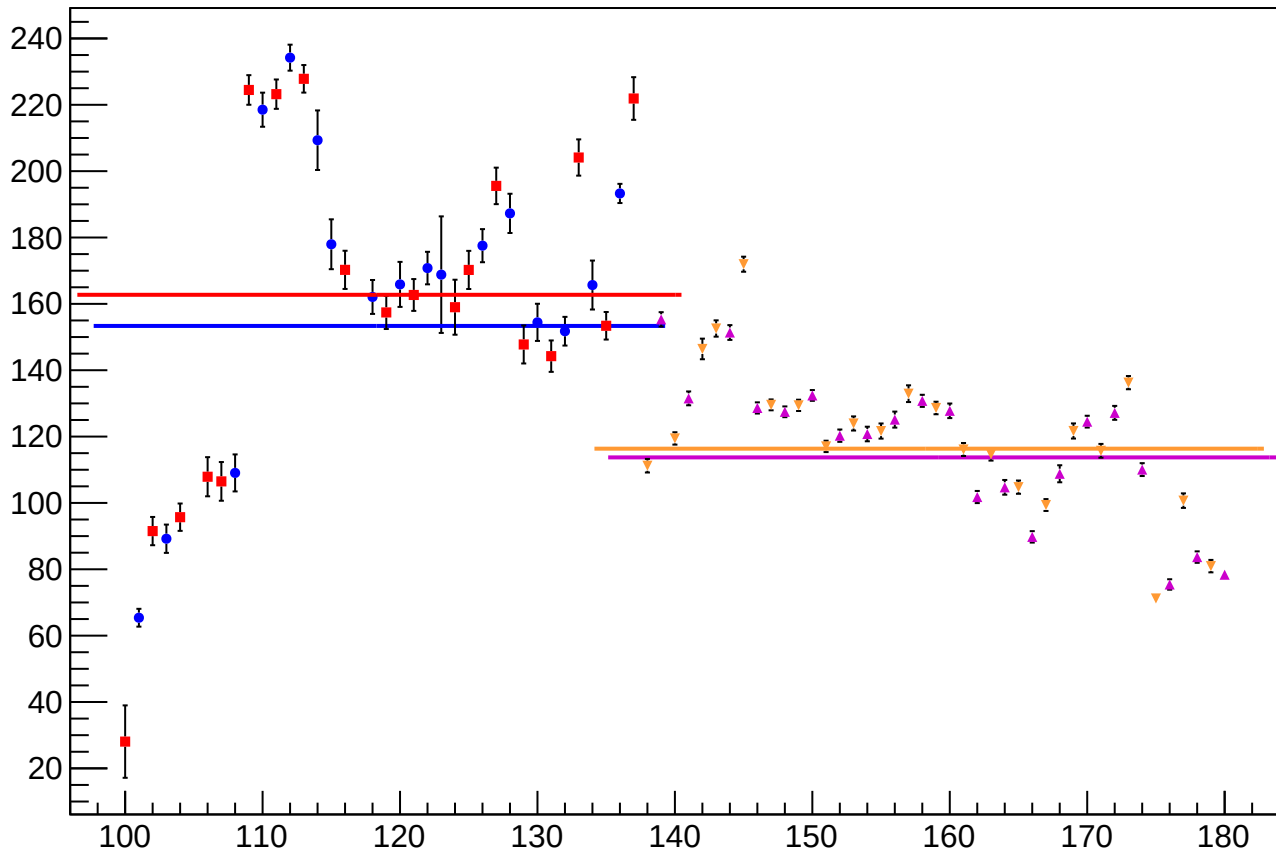
Left In: -0.592 ± 0.311 χ^2/NDF : 915.8/20

+ sign 1.234 ± 0.277 χ^2/NDF : 1168.6/38

All: 1.079 ± 0.197 χ^2/NDF : 2482.2/78

- sign 0.920 ± 0.281 χ^2/NDF : 1313.0/39

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 $\pm$ 1.150 χ^2/NDF : 2268.3/16

Left Out: 116.354 $\pm$ 0.421 χ^2/NDF : 2764.4/21

Right Out: 162.734 $\pm$ 1.177 χ^2/NDF : 1708.8/18

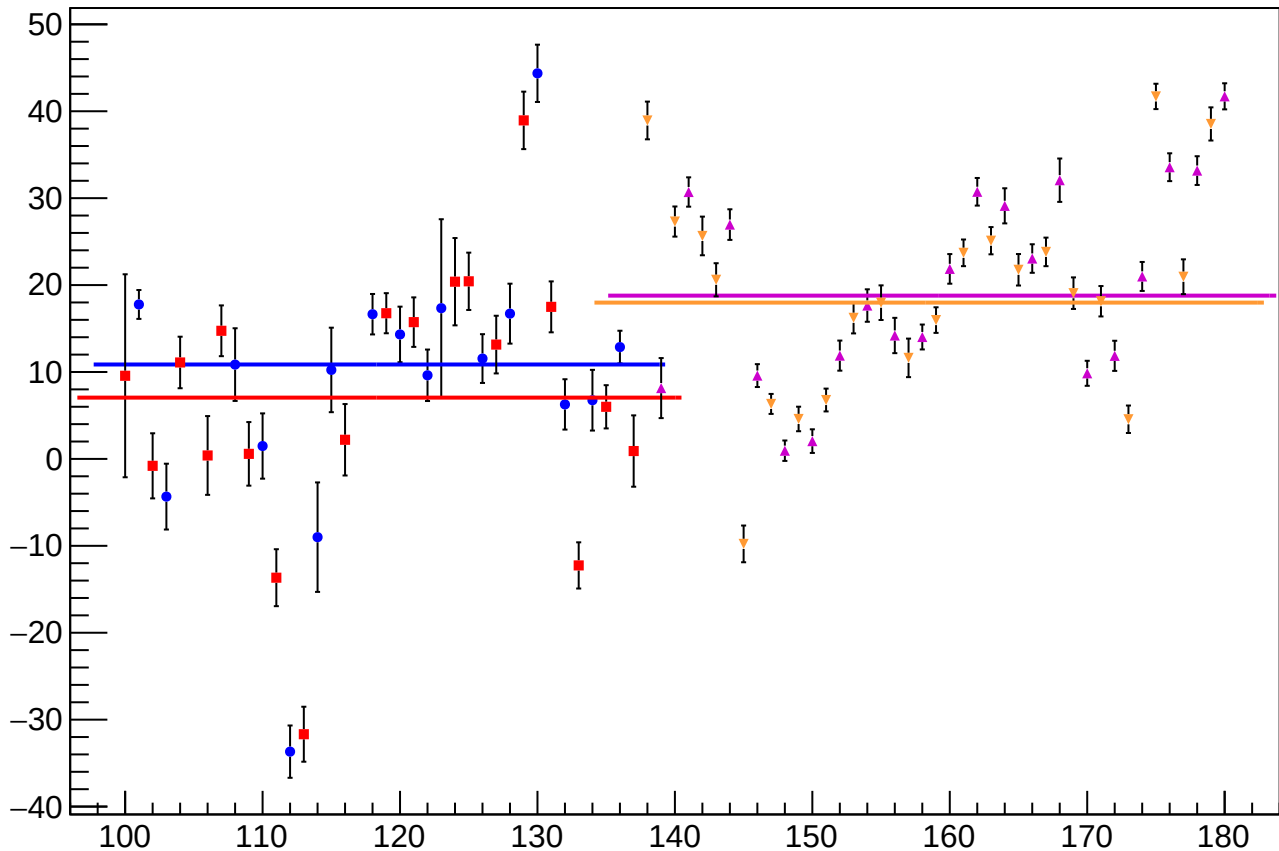
Left In: 113.724 $\pm$ 0.410 χ^2/NDF : 3013.6/20

+ sign 120.725 $\pm$ 0.395 χ^2/NDF : 5945.1/38

All: 119.861 $\pm$ 0.277 χ^2/NDF : 12223.2/78

- sign 119.032 $\pm$ 0.387 χ^2/NDF : 6268.7/39

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 ± 0.719 $\chi^2/\text{NDF}: 387.9/16$

Left Out: 17.984 ± 0.357 $\chi^2/\text{NDF}: 1092.4/21$

Right Out: 7.052 ± 0.748 $\chi^2/\text{NDF}: 424.7/18$

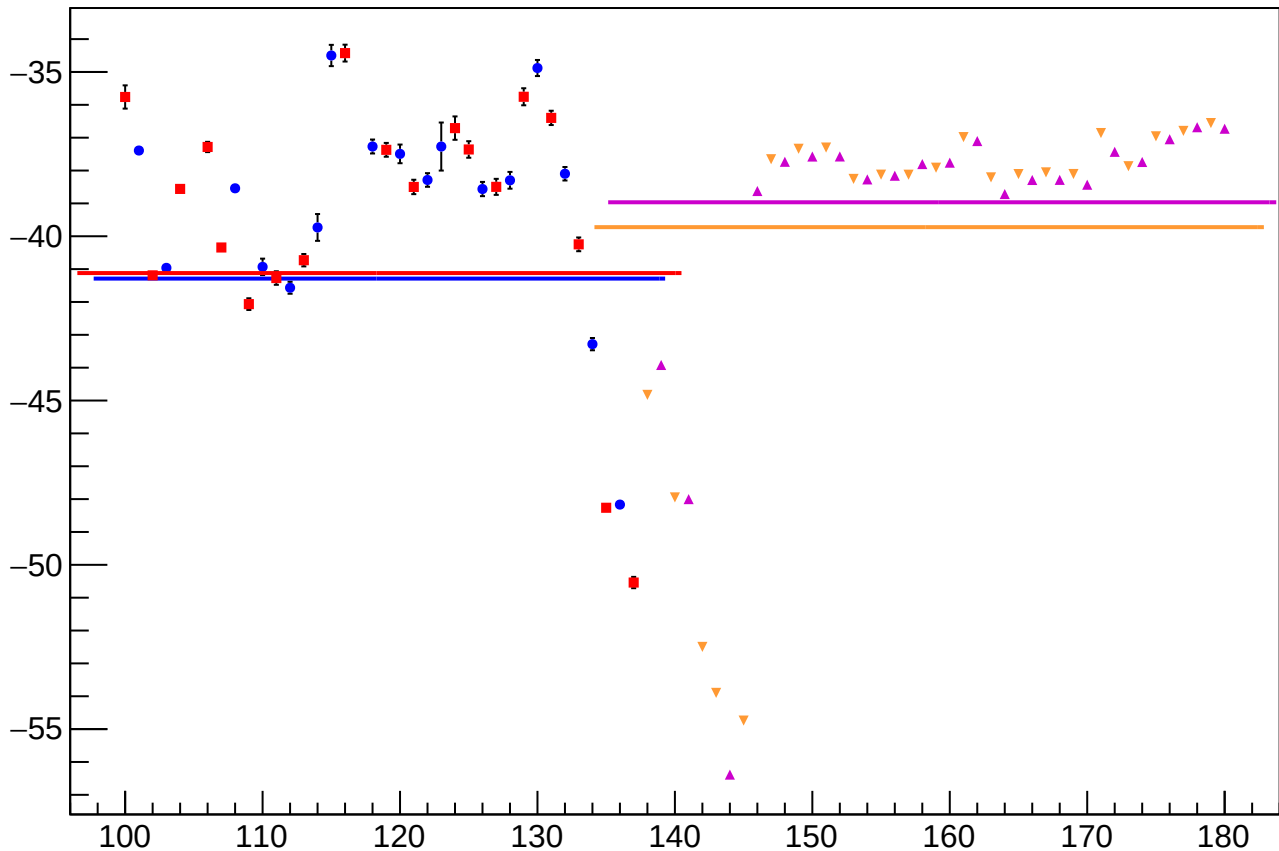
Left In: 18.786 ± 0.357 $\chi^2/\text{NDF}: 1116.3/20$

+ sign 16.577 ± 0.320 $\chi^2/\text{NDF}: 1558.9/38$

All: 16.592 ± 0.227 $\chi^2/\text{NDF}: 3300.5/78$

- sign 16.606 ± 0.322 $\chi^2/\text{NDF}: 1741.6/39$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 χ^2/NDF : 12509.1/16

Left Out: -39.723 ± 0.017 χ^2/NDF : 87288.7/21

Right Out: -41.120 ± 0.039 χ^2/NDF : 12110.6/18

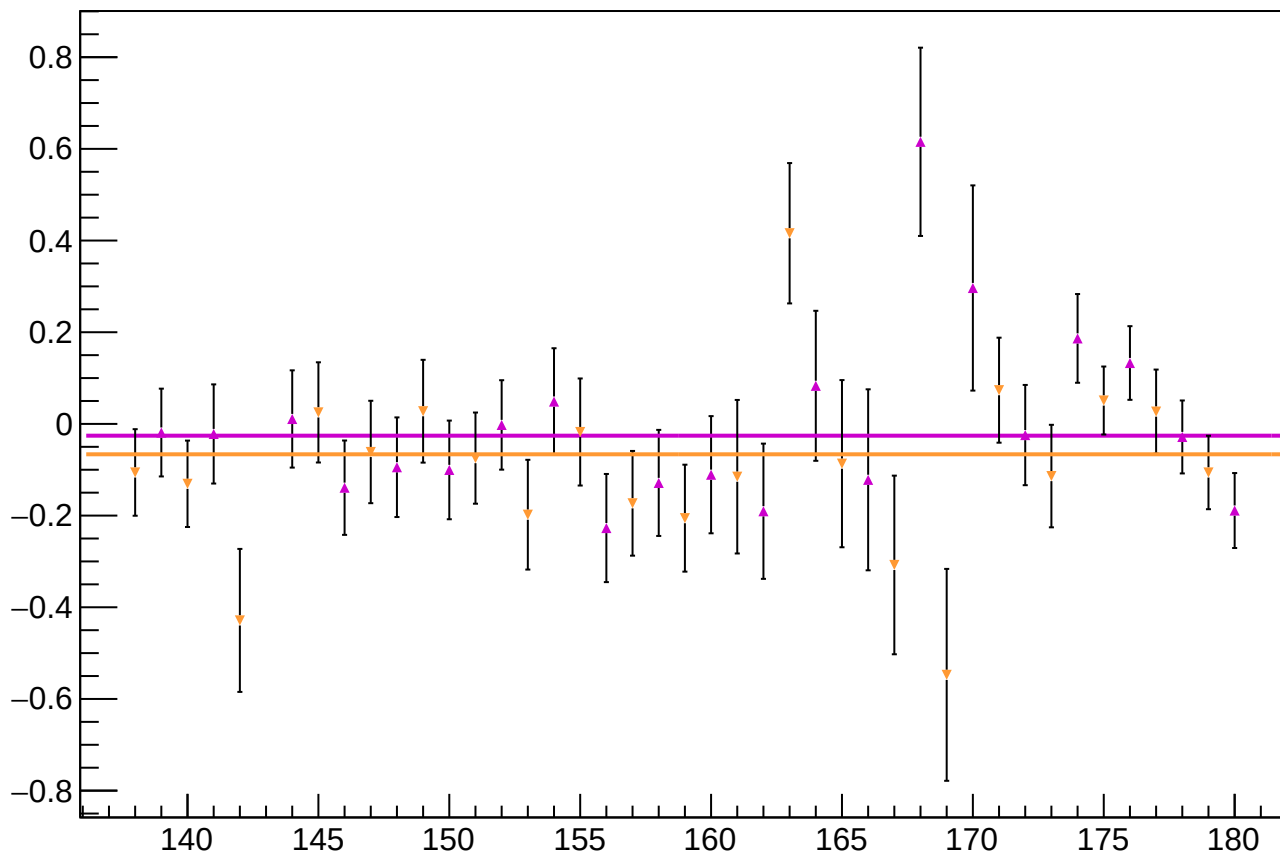
Left In: -38.966 ± 0.017 χ^2/NDF : 53426.4/20

+ sign -39.975 ± 0.015 χ^2/NDF : 101177.6/38

All: -39.632 ± 0.011 χ^2/NDF : 170299.1/78

- sign -39.301 ± 0.015 χ^2/NDF : 68159.0/39

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.066 $\pm$ 0.024 χ^2 /NDF: 32.5/20

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

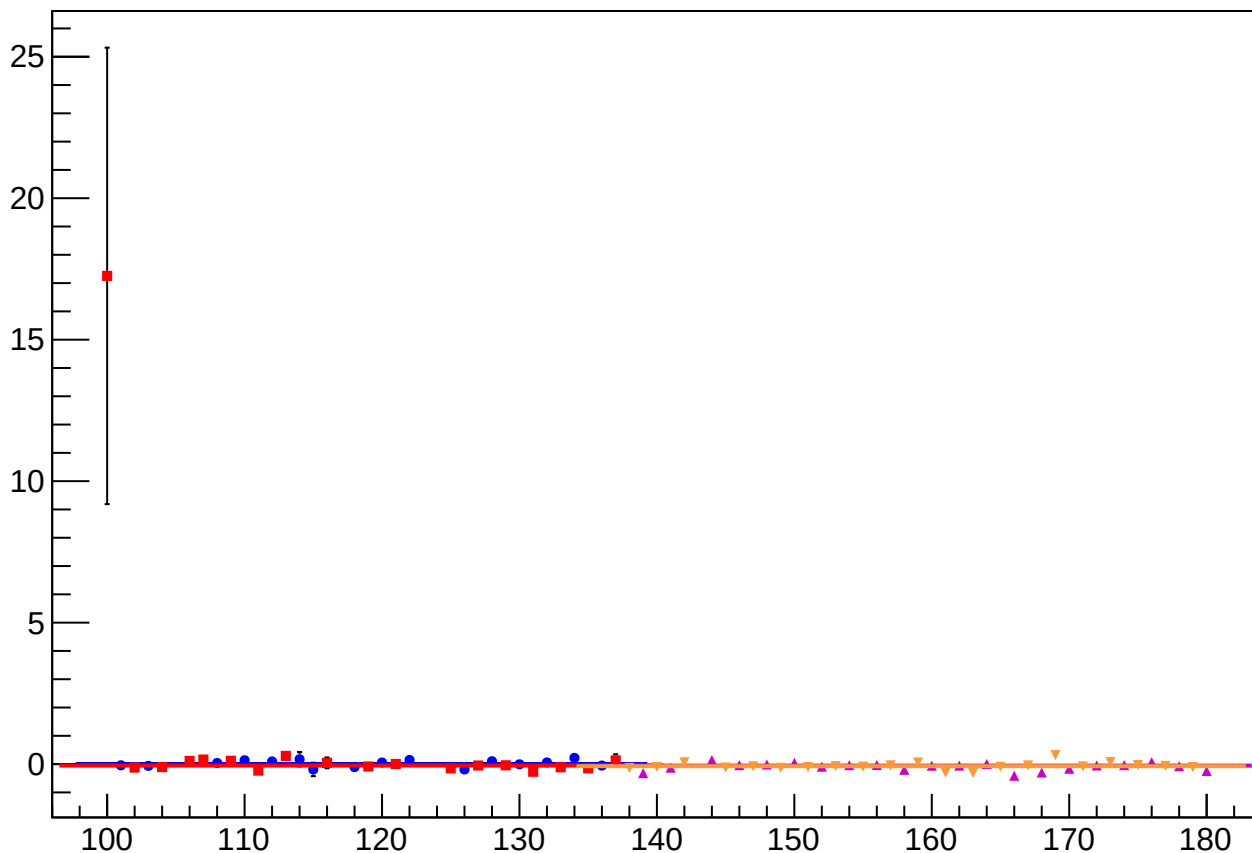
Left In: -0.026 $\pm$ 0.024 χ^2 /NDF: 33.3/20

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

All: -0.046 $\pm$ 0.017 χ^2 /NDF: 67.2/41

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

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.073 ± 0.018 χ^2/NDF : 23.2/20

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.6/17

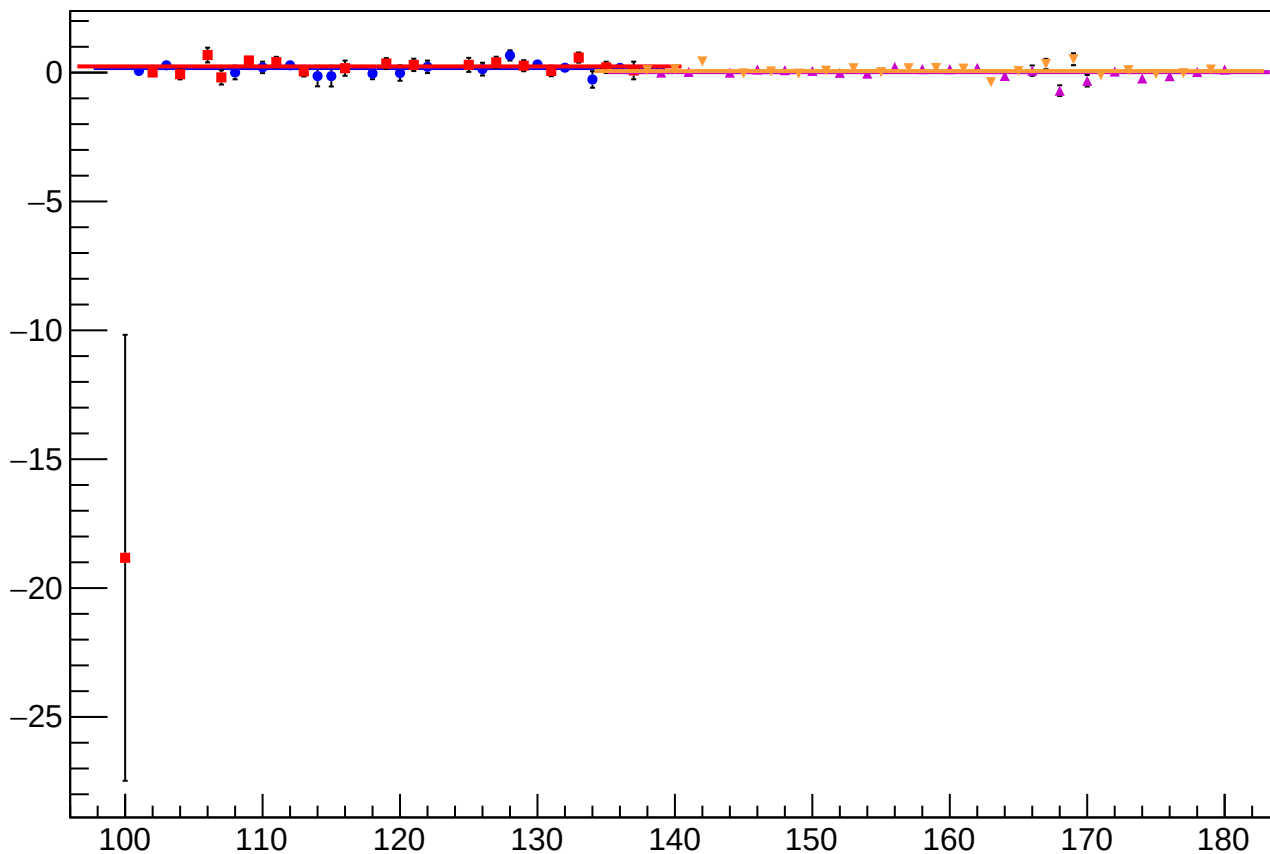
Left In: -0.053 ± 0.018 χ^2/NDF : 31.3/20

+ sign -0.051 ± 0.015 χ^2/NDF : 40.7/36

All: -0.052 ± 0.011 χ^2/NDF : 97.6/75

- sign -0.052 ± 0.016 χ^2/NDF : 56.9/38

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.059 $\pm$ 0.024 χ^2 /NDF: 31.1/20

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

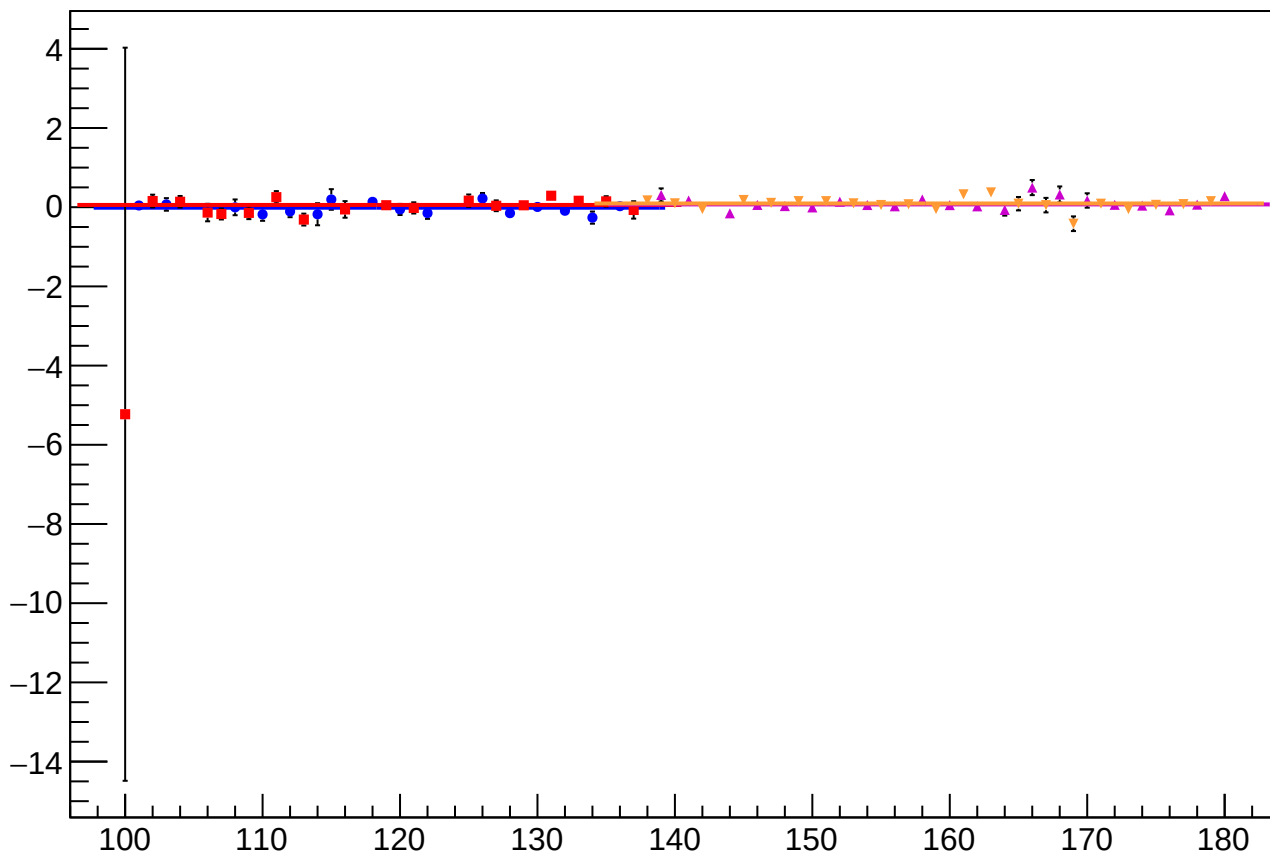
Left In: 0.016 $\pm$ 0.024 χ^2 /NDF: 35.1/20

+ sign 0.080 $\pm$ 0.022 χ^2 /NDF: 48.1/36

All: 0.066 $\pm$ 0.015 χ^2 /NDF: 120.1/75

- sign 0.052 $\pm$ 0.022 χ^2 /NDF: 71.2/38

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.094 ± 0.021 χ^2/NDF : 26.0/20

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

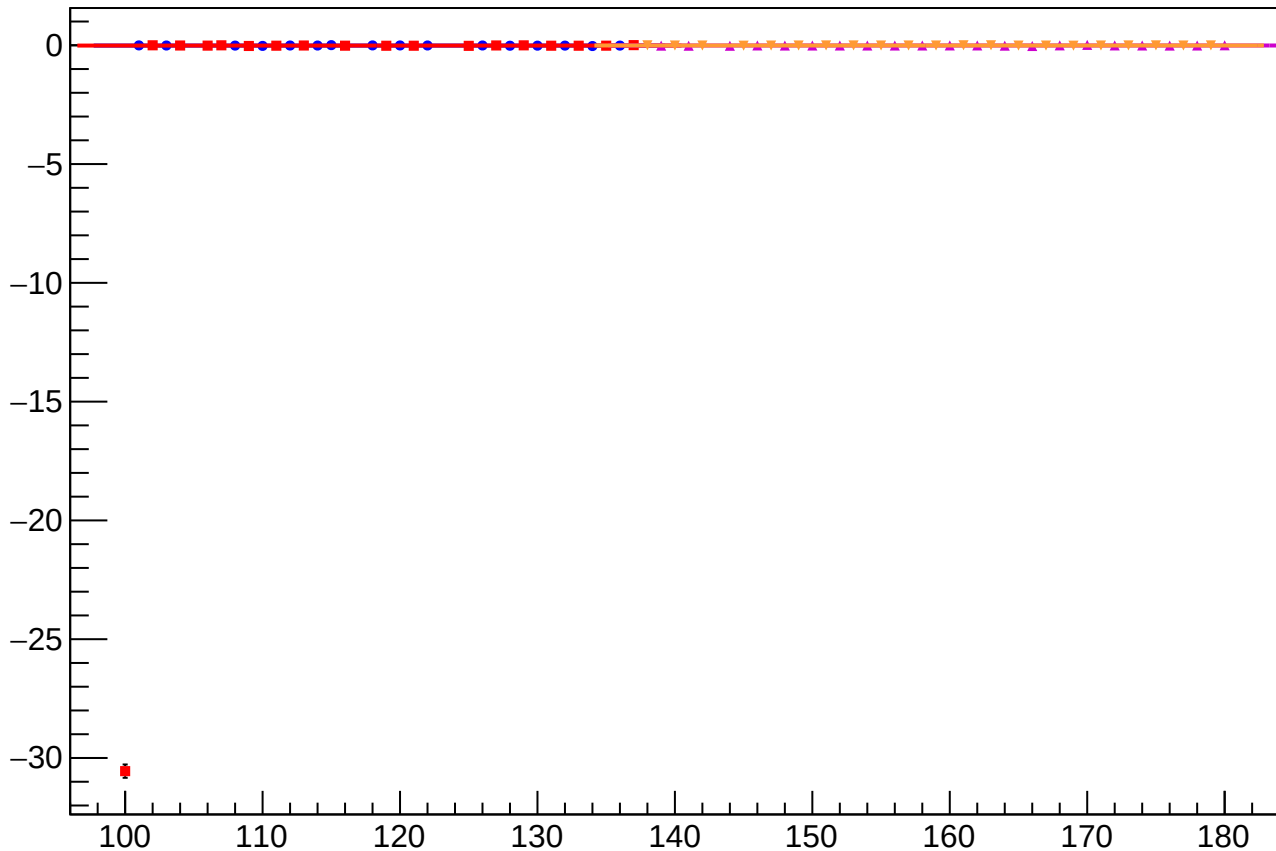
Left In: 0.070 ± 0.021 χ^2/NDF : 31.1/20

+ sign 0.063 ± 0.018 χ^2/NDF : 47.1/36

All: 0.065 ± 0.013 χ^2/NDF : 98.7/75

- sign 0.066 ± 0.018 χ^2/NDF : 51.5/38

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:15.9/20

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

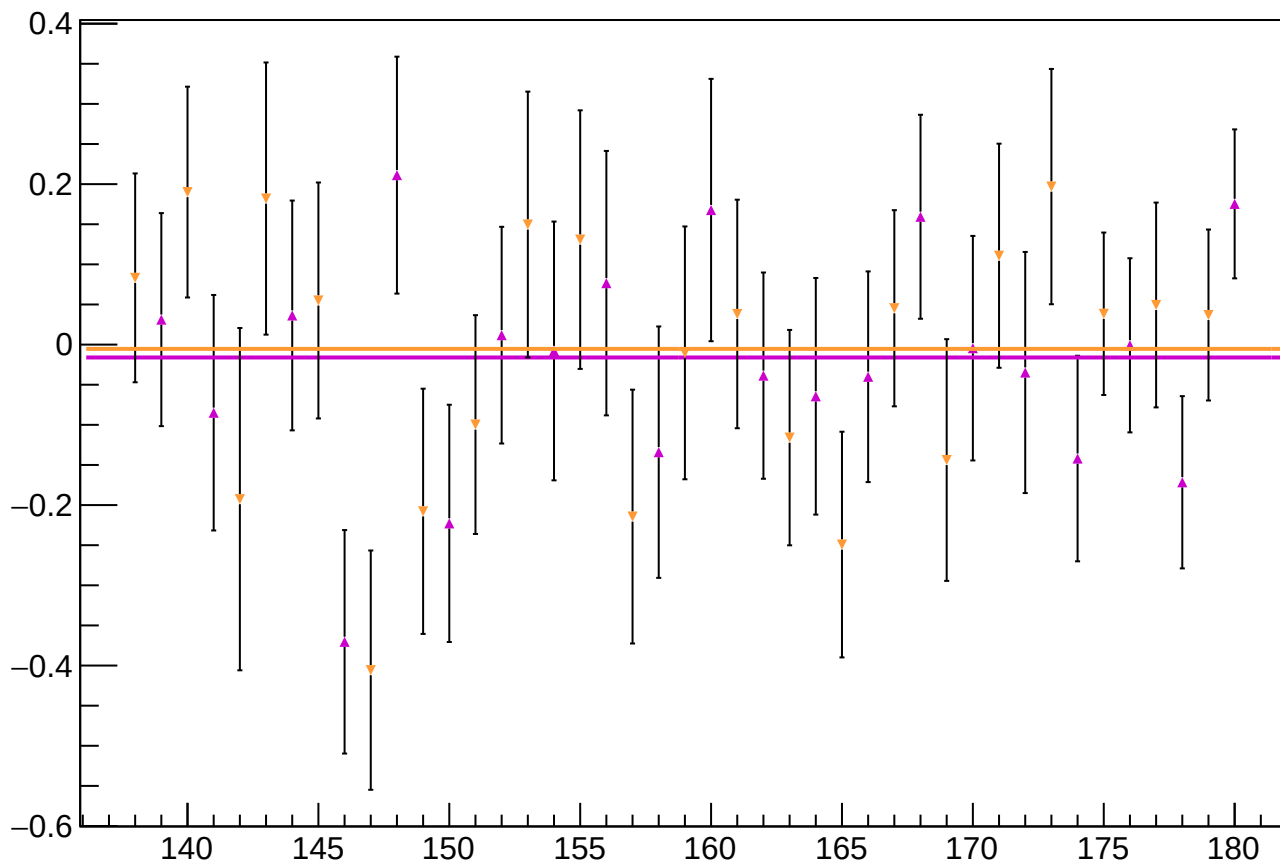
Left In: -0.009 $\pm$ 0.001 χ^2 /NDF:36.5/20

+ sign -0.009 $\pm$ 0.001 χ^2 /NDF: 32.2/36

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 11962.6/75

- sign -0.010 $\pm$ 0.001 χ^2 /NDF: 11929.8/38

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.005 $\pm$ 0.030 χ^2 /NDF: 25.5/21

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

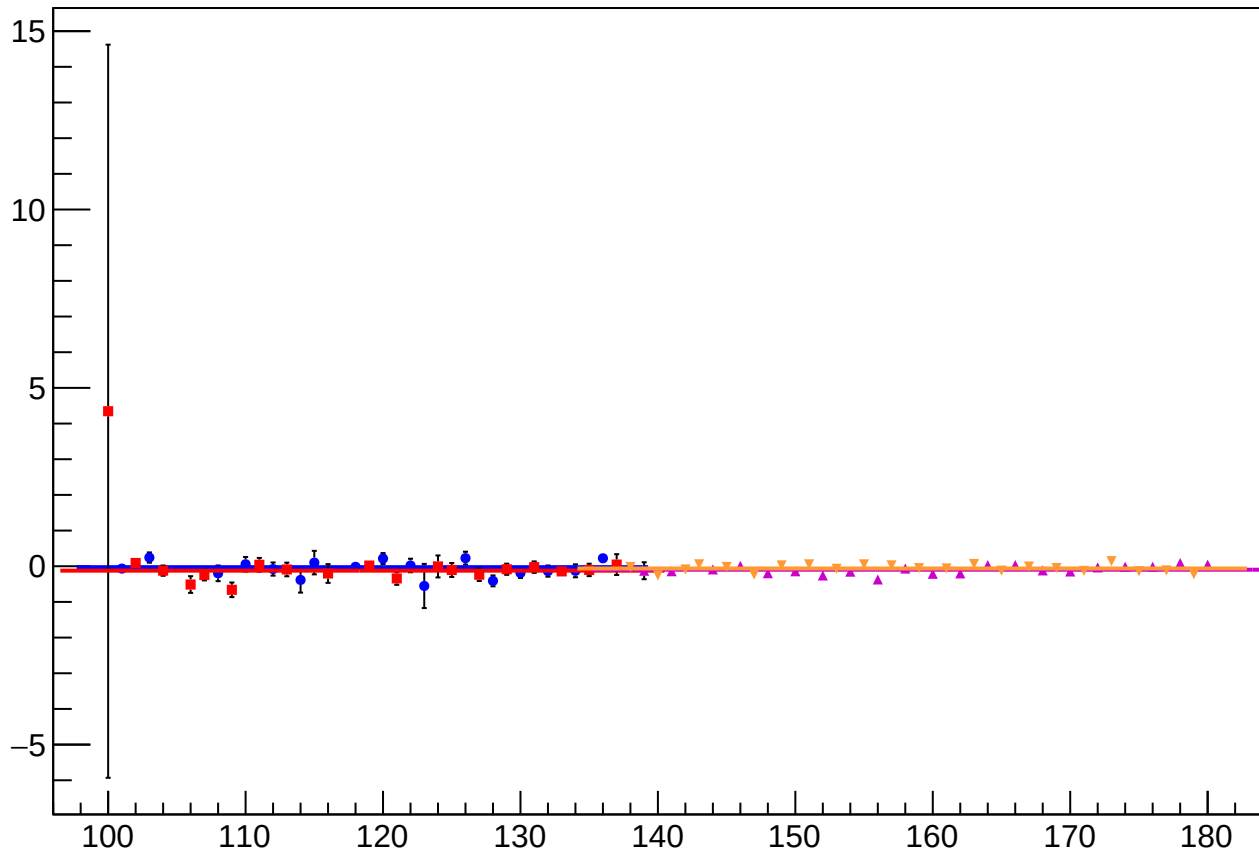
Left In: -0.016 $\pm$ 0.029 χ^2 /NDF: 22.9/20

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

All: -0.011 $\pm$ 0.021 χ^2 /NDF: 48.5/42

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

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.063 ± 0.022 χ^2/NDF : 24.2/21

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

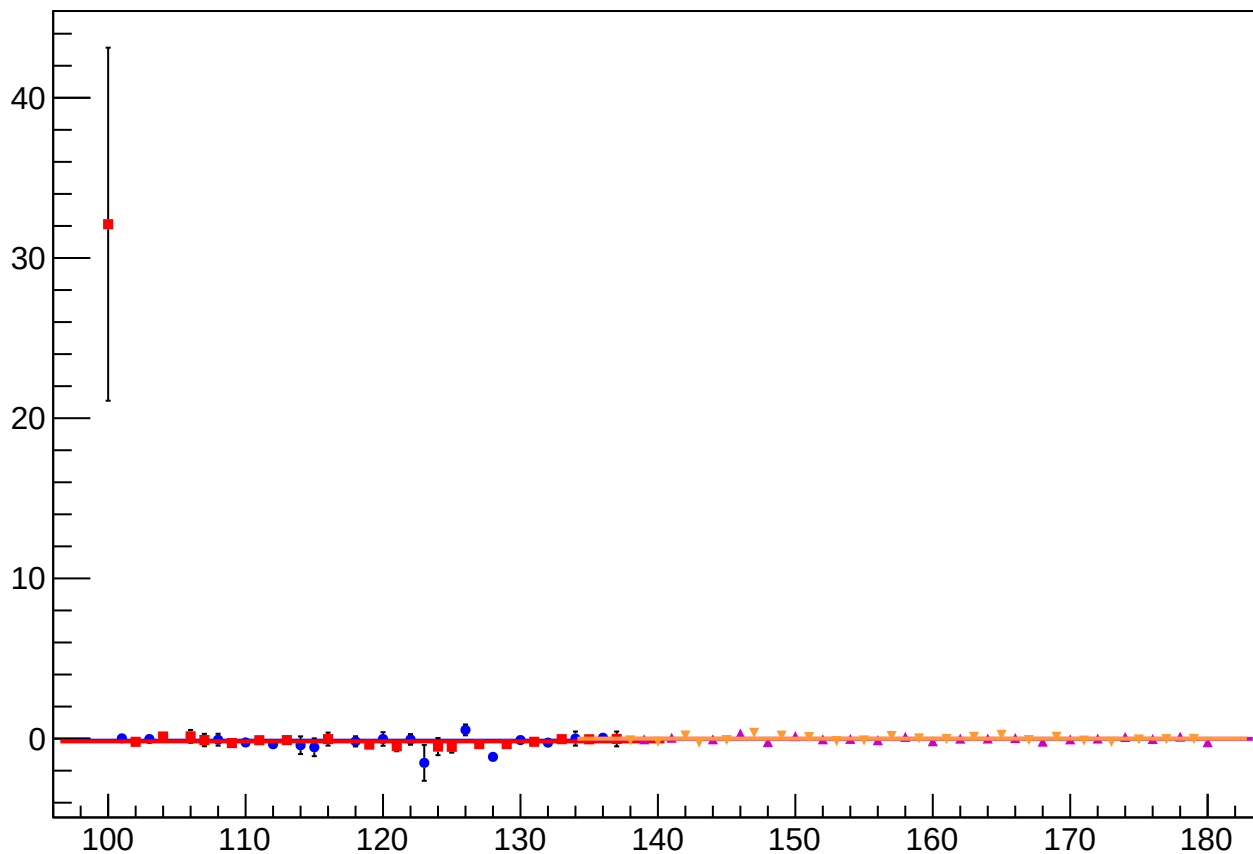
Left In: -0.097 ± 0.023 χ^2/NDF : 24.8/20

+ sign -0.053 ± 0.019 χ^2/NDF : 47.6/38

All: -0.078 ± 0.014 χ^2/NDF : 94.5/78

- sign -0.104 ± 0.020 χ^2/NDF : 43.5/39

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: -0.001 ± 0.029 χ^2/NDF : 24.9/21

Right Out: -0.172 ± 0.071 χ^2/NDF : 14.9/18

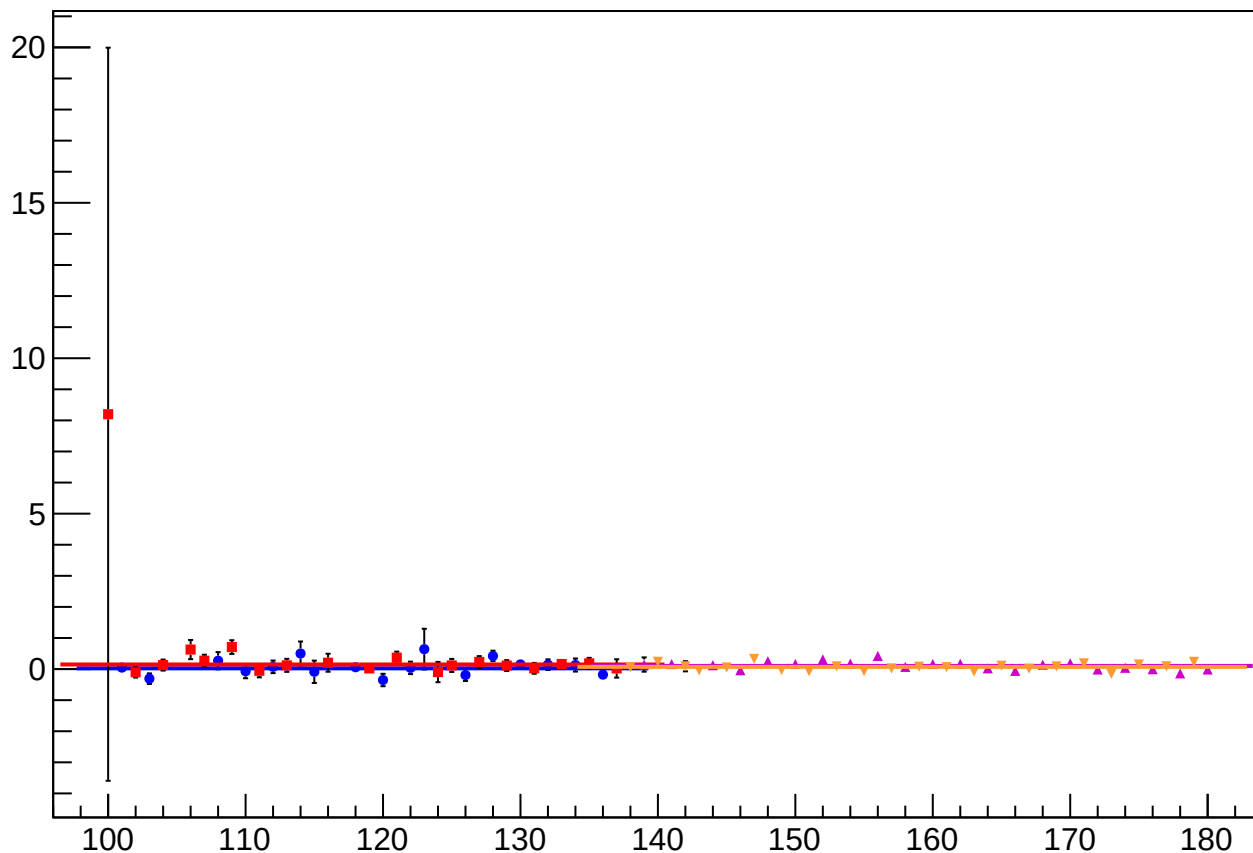
Left In: -0.014 ± 0.029 χ^2/NDF : 21.6/20

+ sign -0.022 ± 0.027 χ^2/NDF : 51.1/38

All: -0.029 ± 0.019 χ^2/NDF : 92.0/78

- sign -0.036 ± 0.027 χ^2/NDF : 40.8/39

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.071 ± 0.025 χ^2/NDF : 23.0/21

Right Out: 0.148 ± 0.045 χ^2/NDF : 16.6/18

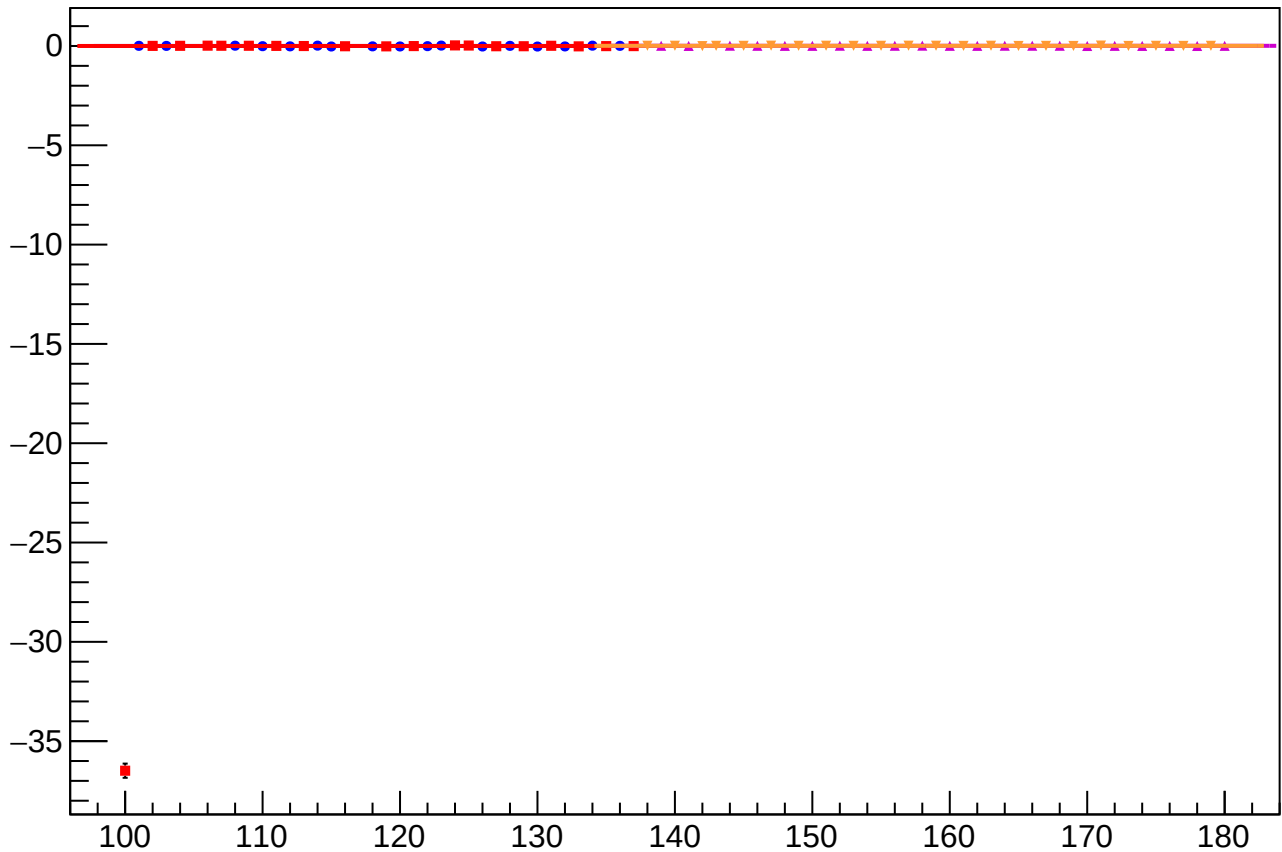
Left In: 0.101 ± 0.026 χ^2/NDF : 26.4/20

+ sign 0.058 ± 0.022 χ^2/NDF : 45.3/38

All: 0.085 ± 0.016 χ^2/NDF : 92.1/78

- sign 0.112 ± 0.022 χ^2/NDF : 43.8/39

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 30.6/16

Left Out: 0.009+/-0.001 χ^2/NDF : 19.8/21

Right Out: 0.001+/-0.002 χ^2/NDF : 10449.1/18

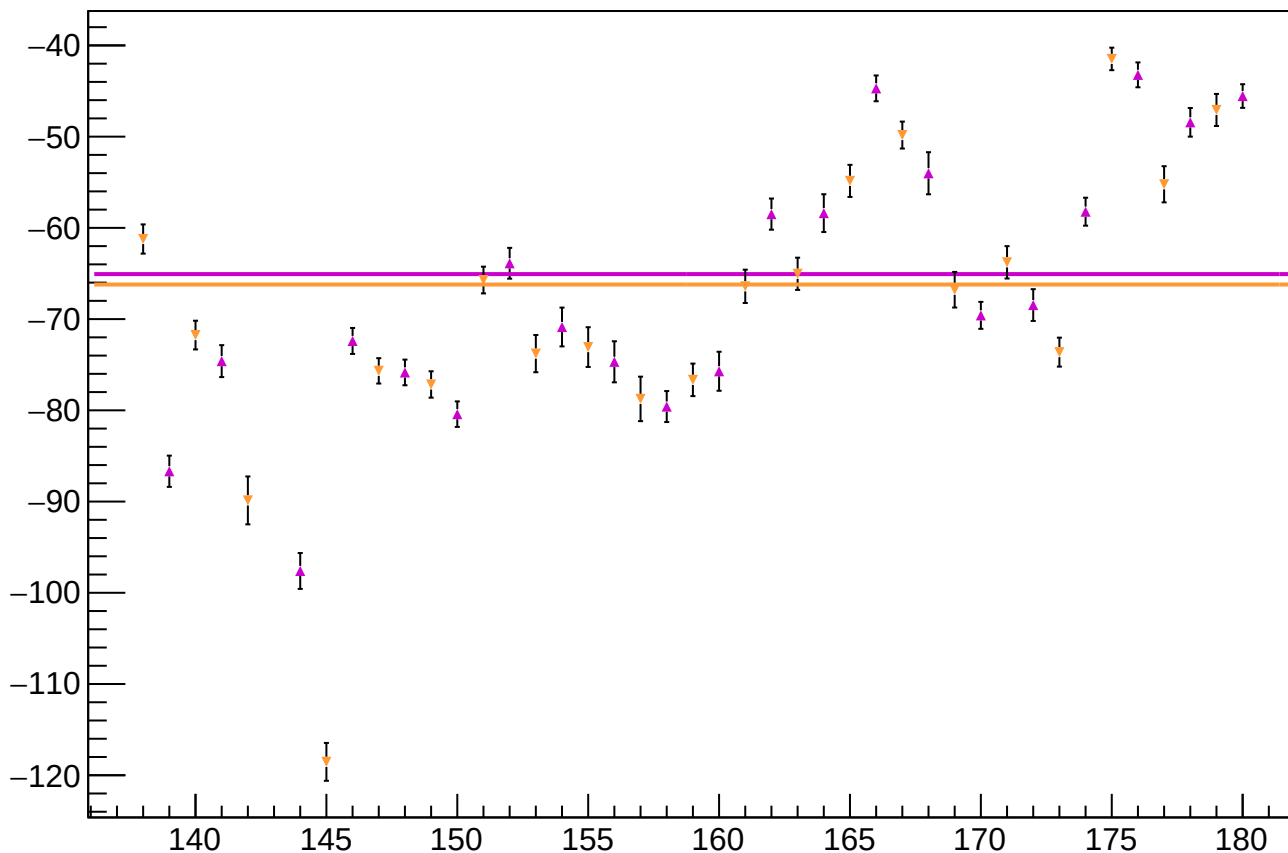
Left In: 0.009+/-0.001 χ^2/NDF : 14.4/20

+ sign 0.007+/-0.001 χ^2/NDF : 59.7/38

All: 0.007+/-0.001 χ^2/NDF : 10533.3/78

- sign 0.007+/-0.001 χ^2/NDF : 10473.6/39

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -66.210 ± 0.373 χ^2/NDF : 1667.4/20

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

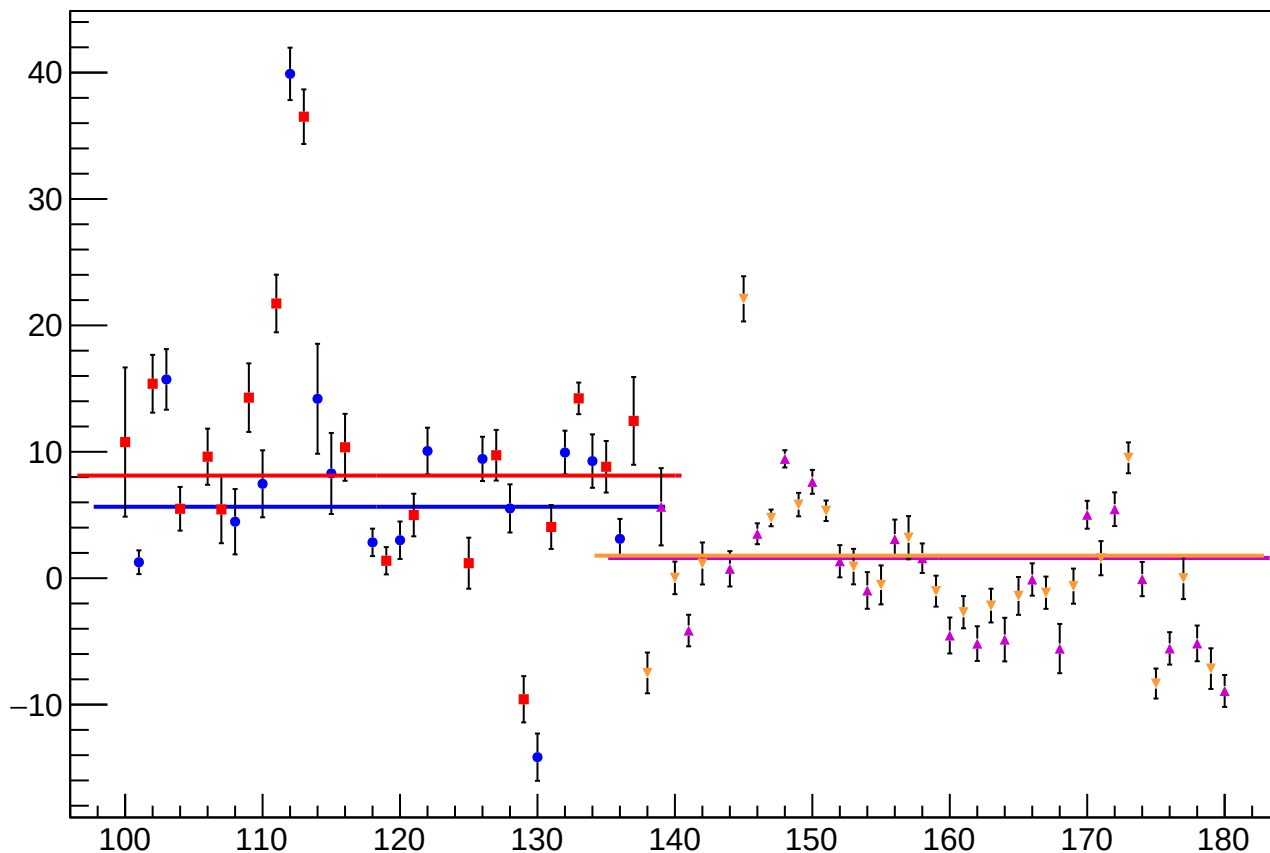
Left In: -65.066 ± 0.358 χ^2/NDF : 1677.3/20

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -65.615 ± 0.258 χ^2/NDF : 3349.6/41

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 1.786 ± 0.267 χ^2/NDF : 410.4/20

Right Out: 8.119 ± 0.453 χ^2/NDF : 407.9/17

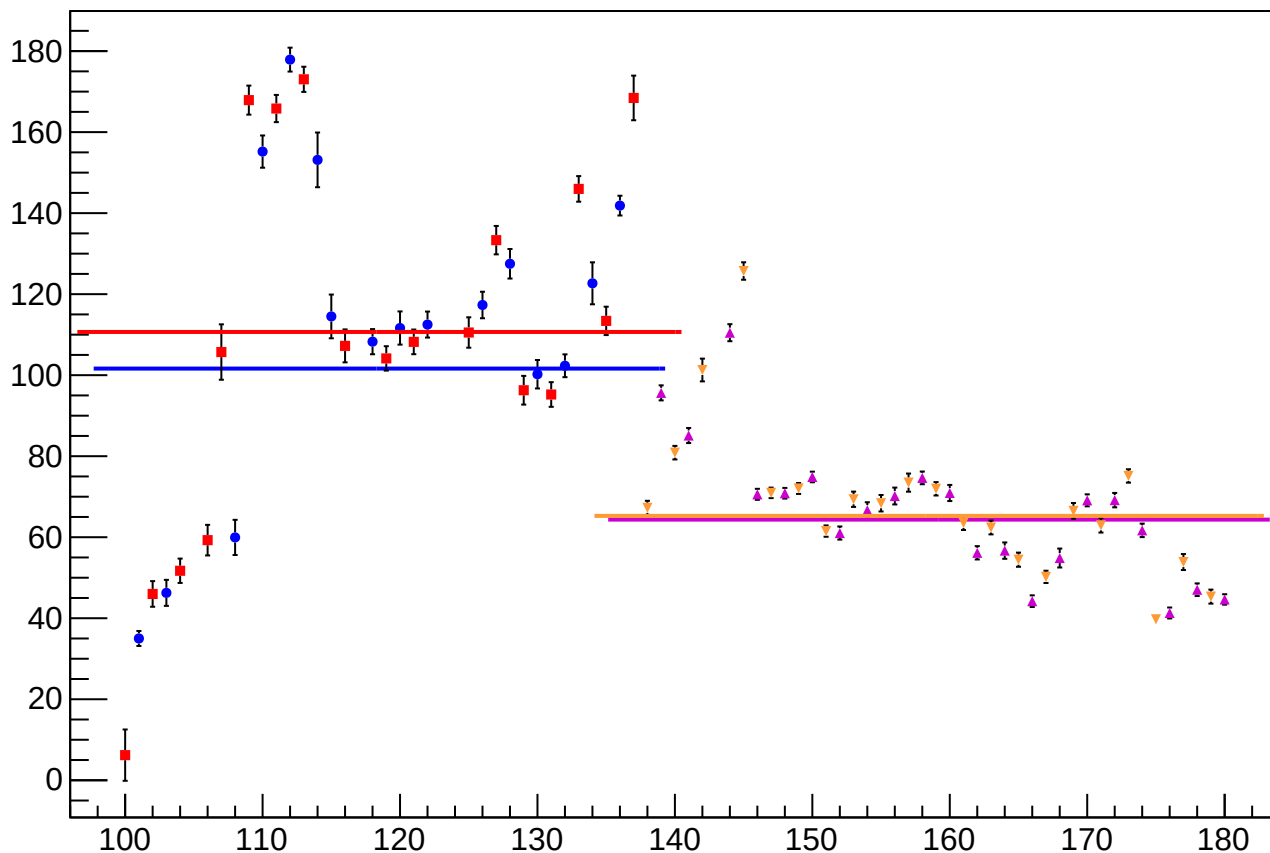
Left In: 1.599 ± 0.266 χ^2/NDF : 420.8/20

+ sign 2.865 ± 0.227 χ^2/NDF : 930.8/36

All: 3.066 ± 0.161 χ^2/NDF : 1915.4/75

- sign 3.272 ± 0.229 χ^2/NDF : 983.0/38

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 65.269 $\pm$ 0.368 χ^2 /NDF:1902.5/20

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

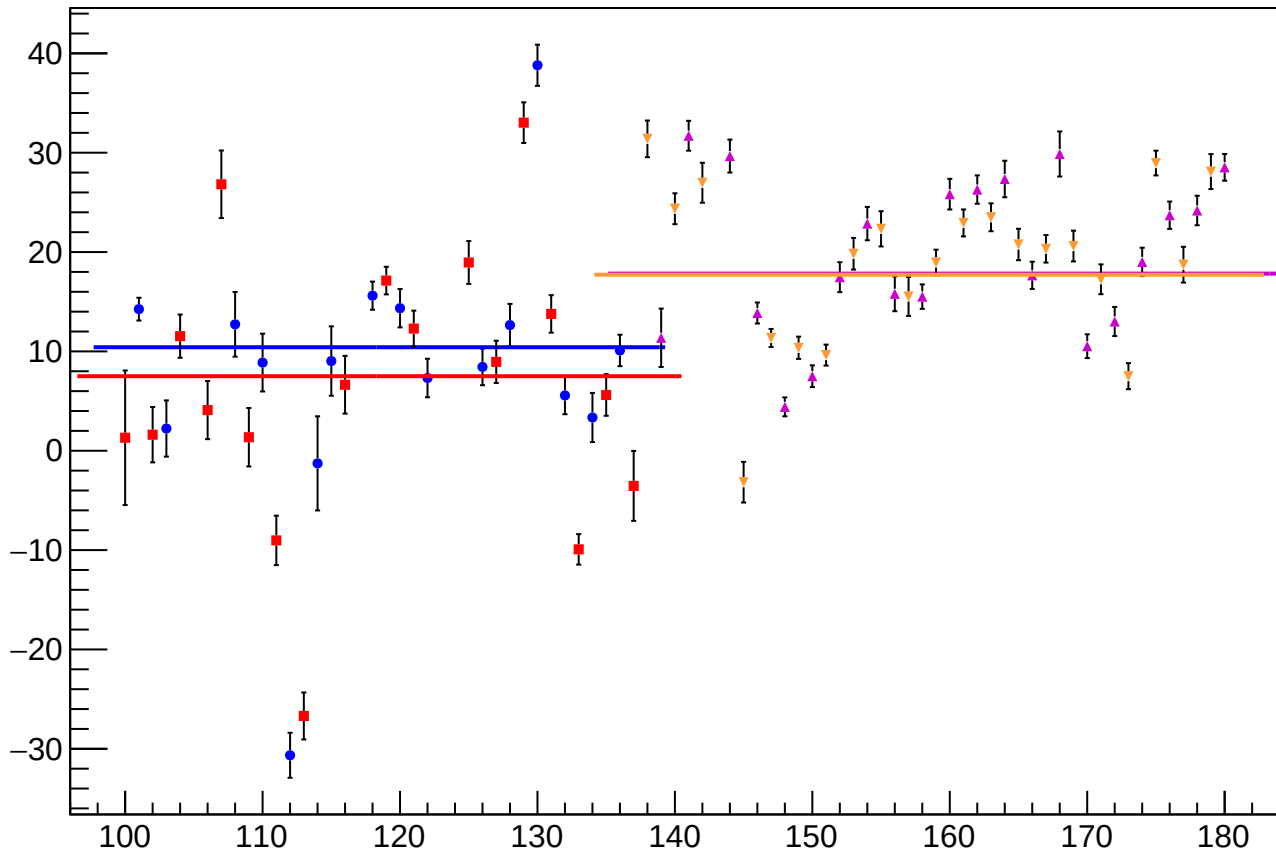
Left In: 64.345 $\pm$ 0.353 χ^2 /NDF:1988.2/20

+ sign 71.453 $\pm$ 0.335 χ^2 /NDF: 6546.6/36

All: 71.408 $\pm$ 0.233 χ^2 /NDF: 13653.3/75

- sign 71.364 $\pm$ 0.325 χ^2 /NDF: 7106.7/38

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 ± 0.497 χ^2/NDF : 579.7/15

Left Out: 17.720 ± 0.311 χ^2/NDF : 579.6/20

Right Out: 7.502 ± 0.523 χ^2/NDF : 689.4/17

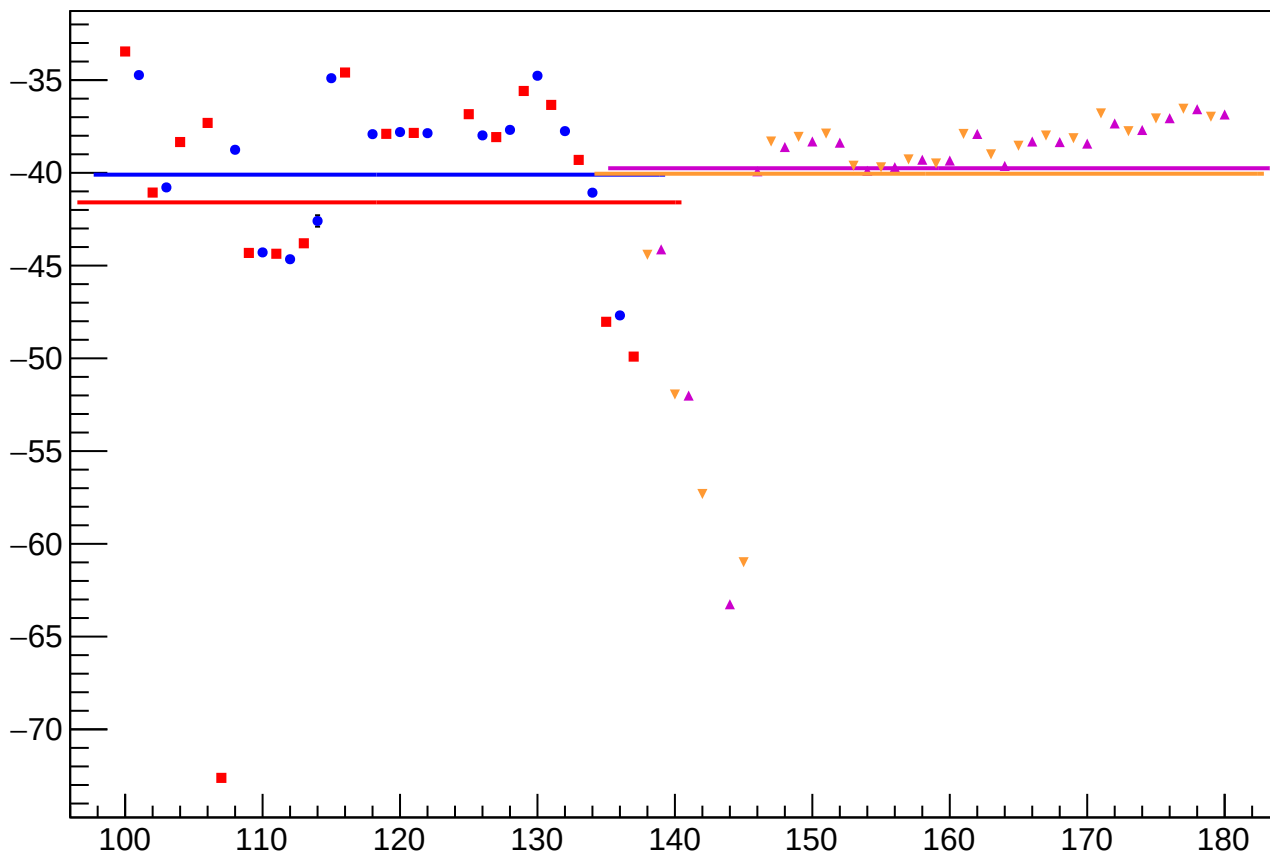
Left In: 17.829 ± 0.306 χ^2/NDF : 721.4/20

+ sign 15.671 ± 0.264 χ^2/NDF : 1314.3/36

All: 15.433 ± 0.187 χ^2/NDF : 3016.8/75

- sign 15.192 ± 0.264 χ^2/NDF : 1700.9/38

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -40.048 ± 0.015 χ^2/NDF : 131191.5/20

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

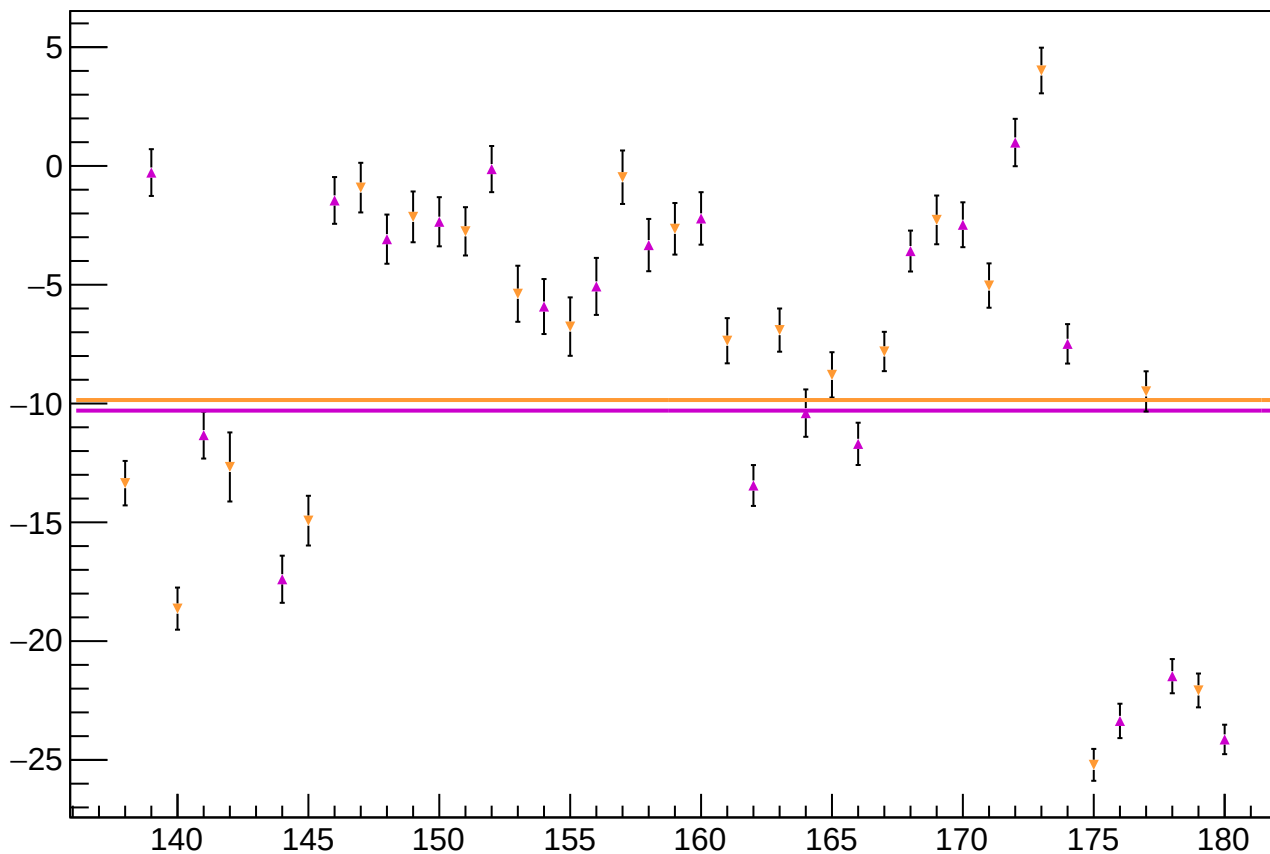
Left In: -39.752 ± 0.014 χ^2/NDF : 108356.5/20

+ sign -40.059 ± 0.013 χ^2/NDF : 156267.4/36

All: -40.090 ± 0.009 χ^2/NDF : 329625.8/75

- sign -40.120 ± 0.013 χ^2/NDF : 173347.4/38

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -9.853+/-0.208 χ^2/NDF : 1580.2/20

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

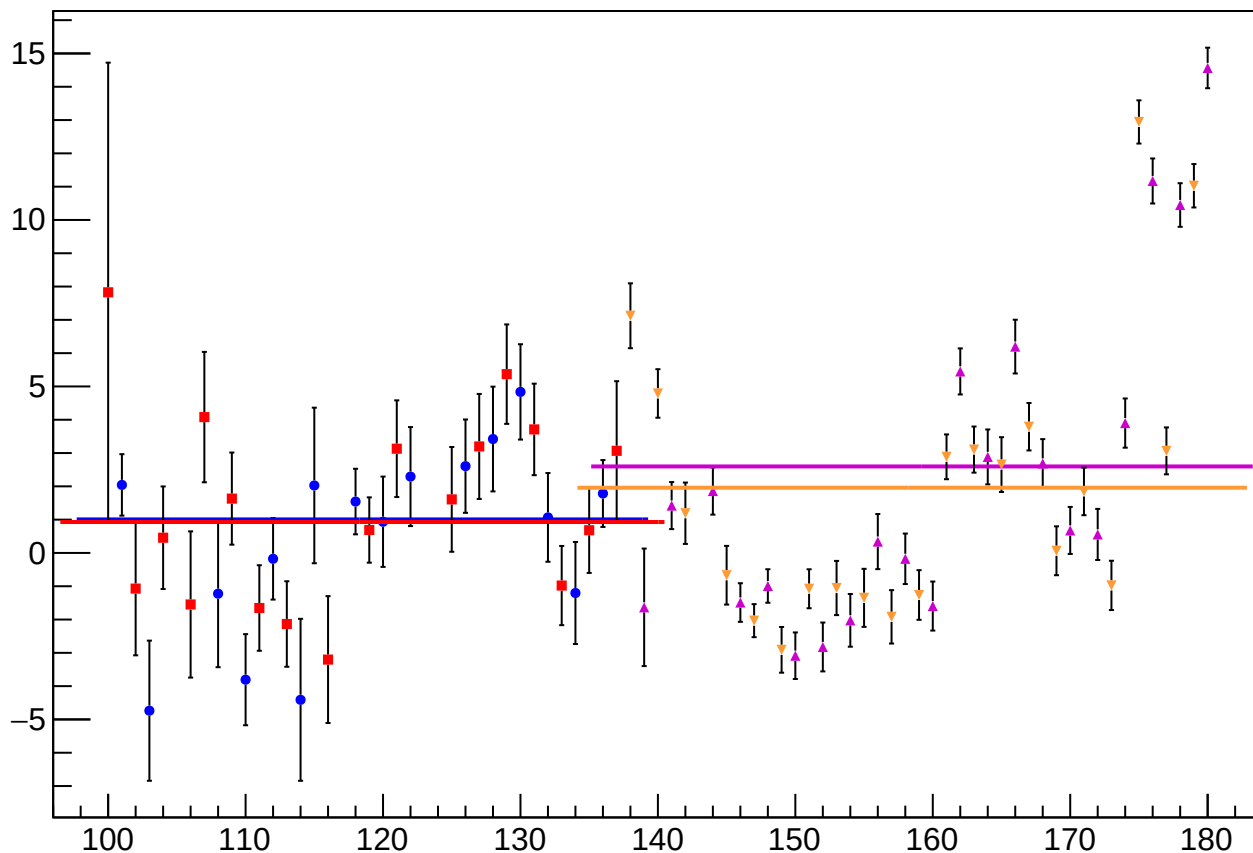
Left In: -10.298+/-0.200 χ^2/NDF : 1931.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -10.084+/-0.144 χ^2/NDF : 3513.7/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 1.959 ± 0.157 $\chi^2/\text{NDF}: 782.0/20$

Right Out: 0.929 ± 0.353 $\chi^2/\text{NDF}: 41.9/17$

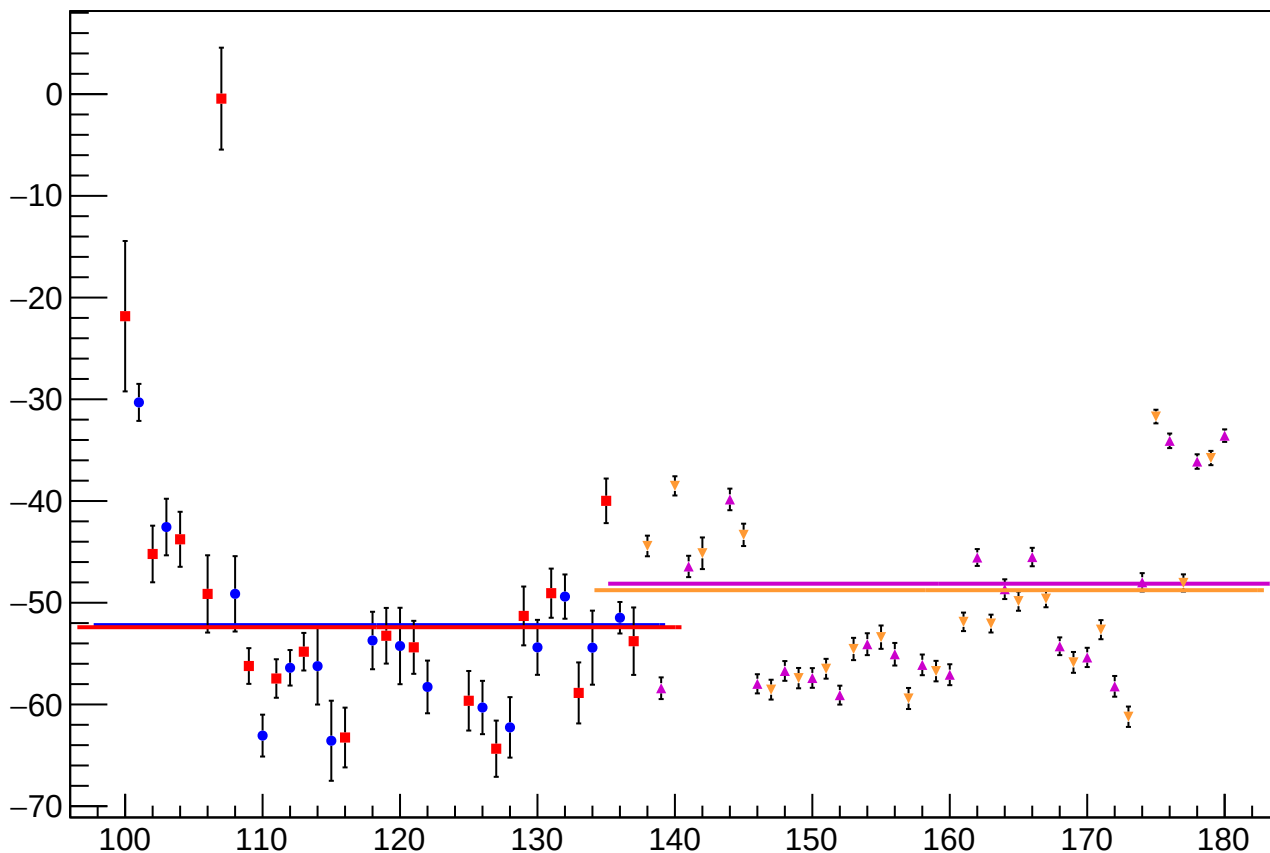
Left In: 2.598 ± 0.155 $\chi^2/\text{NDF}: 1063.8/20$

+ sign 1.794 ± 0.142 $\chi^2/\text{NDF}: 831.1/36$

All: 2.061 ± 0.101 $\chi^2/\text{NDF}: 1962.5/75$

- sign 2.328 ± 0.142 $\chi^2/\text{NDF}: 1124.3/38$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -48.767 ± 0.205 χ^2/NDF : 1855.7/20

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

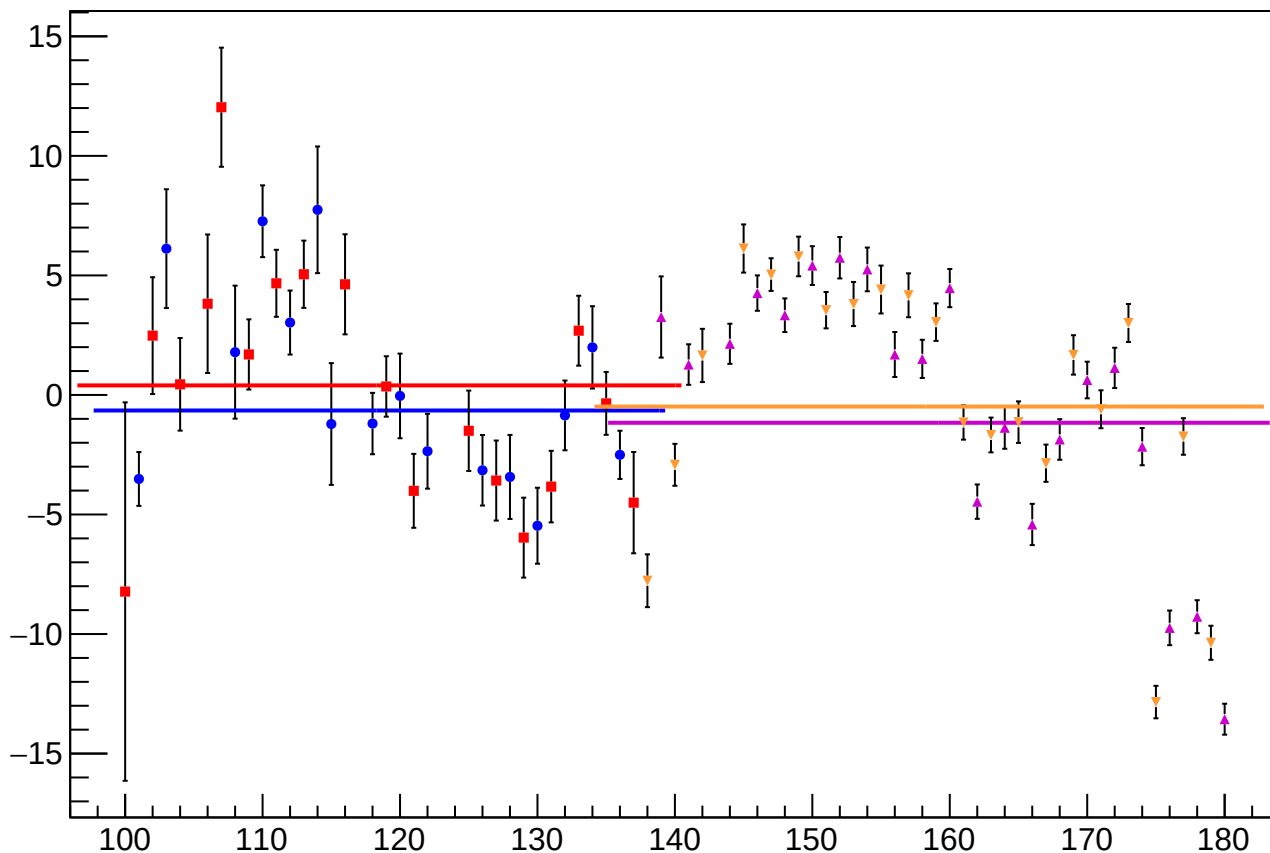
Left In: -48.128 ± 0.198 χ^2/NDF : 2230.7/20

+ sign -49.112 ± 0.195 χ^2/NDF : 2114.4/36

All: -48.809 ± 0.135 χ^2/NDF : 4627.5/75

- sign -48.527 ± 0.188 χ^2/NDF : 2508.4/38

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: -0.486 ± 0.178 χ^2/NDF : 905.9/20

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

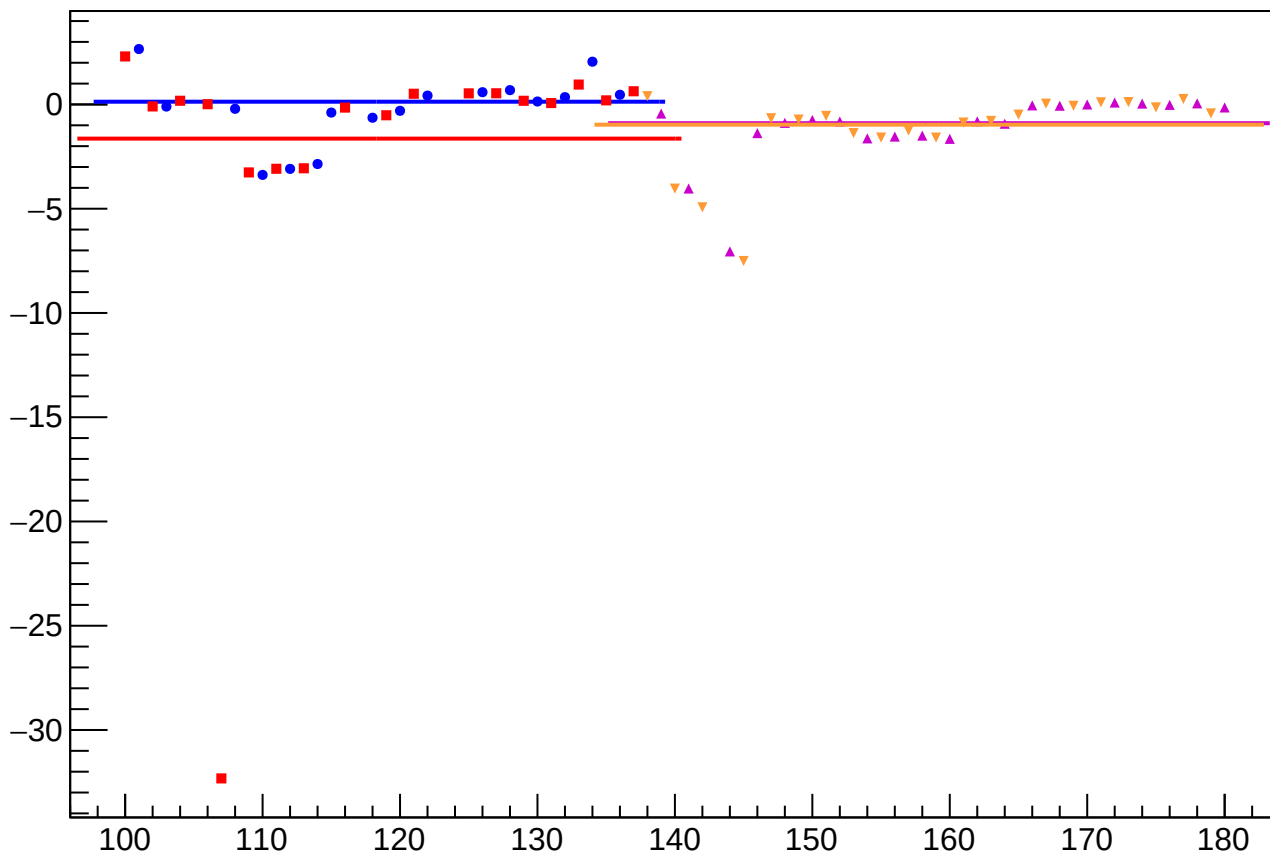
Left In: -1.163 ± 0.176 χ^2/NDF : 1079.7/20

+ sign -0.515 ± 0.162 χ^2/NDF : 987.9/36

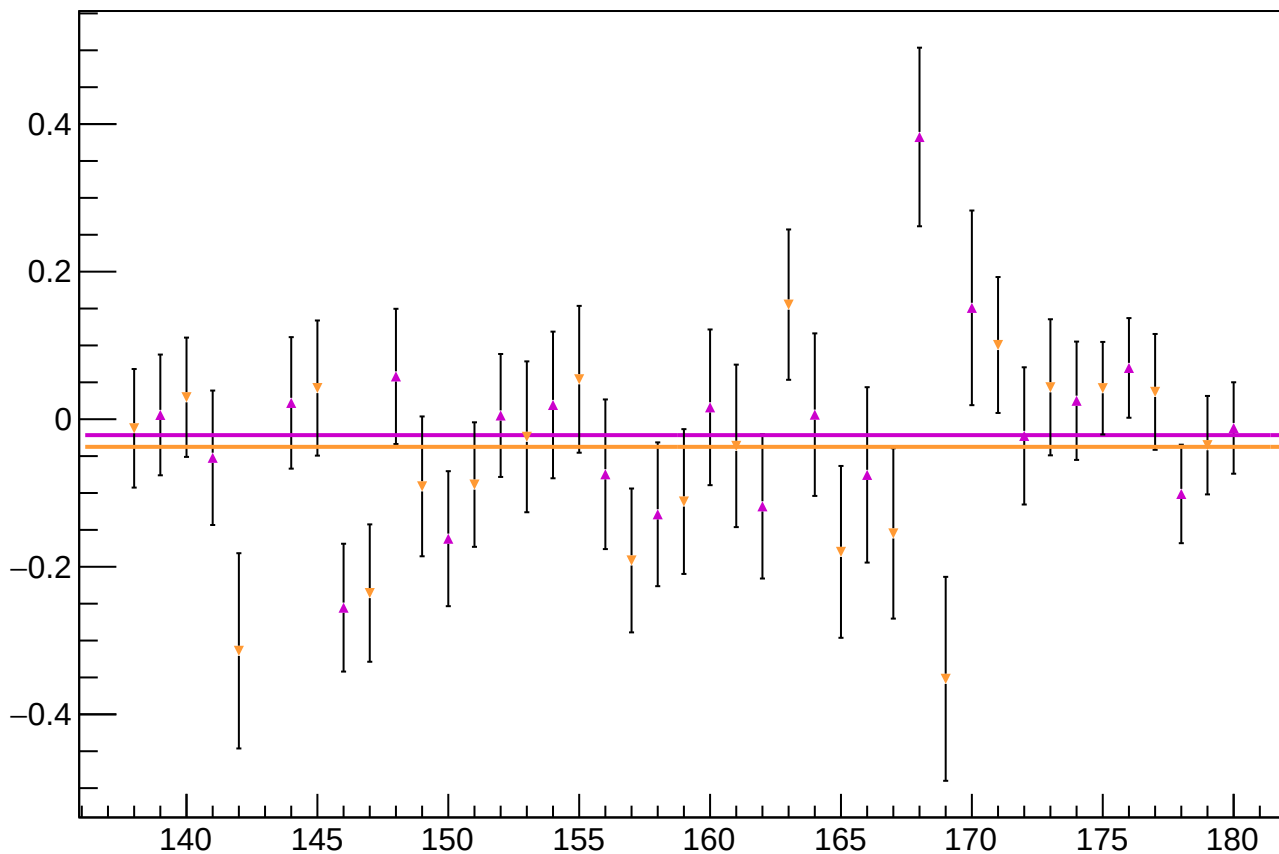
All: -0.714 ± 0.114 χ^2/NDF : 2179.3/75

- sign -0.910 ± 0.161 χ^2/NDF : 1188.4/38

reg_asym_us_dd_diff_bpm12X_slope vs Slug



reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.037 $\pm$ 0.020 χ^2 /NDF: 31.9/20

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

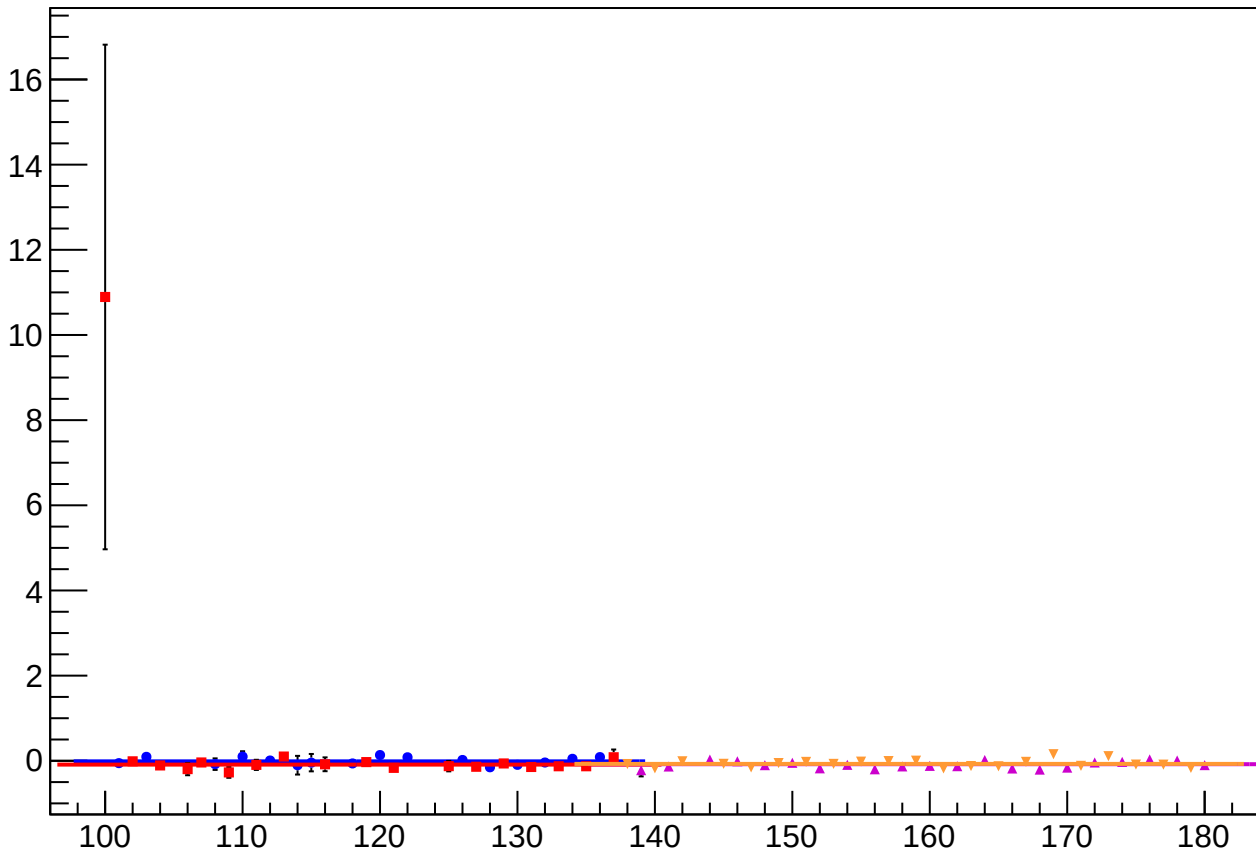
Left In: -0.022 $\pm$ 0.019 χ^2 /NDF: 30.5/20

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

All: -0.029 $\pm$ 0.014 χ^2 /NDF: 62.6/41

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

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.073 ± 0.015 χ^2/NDF : 27.8/20

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

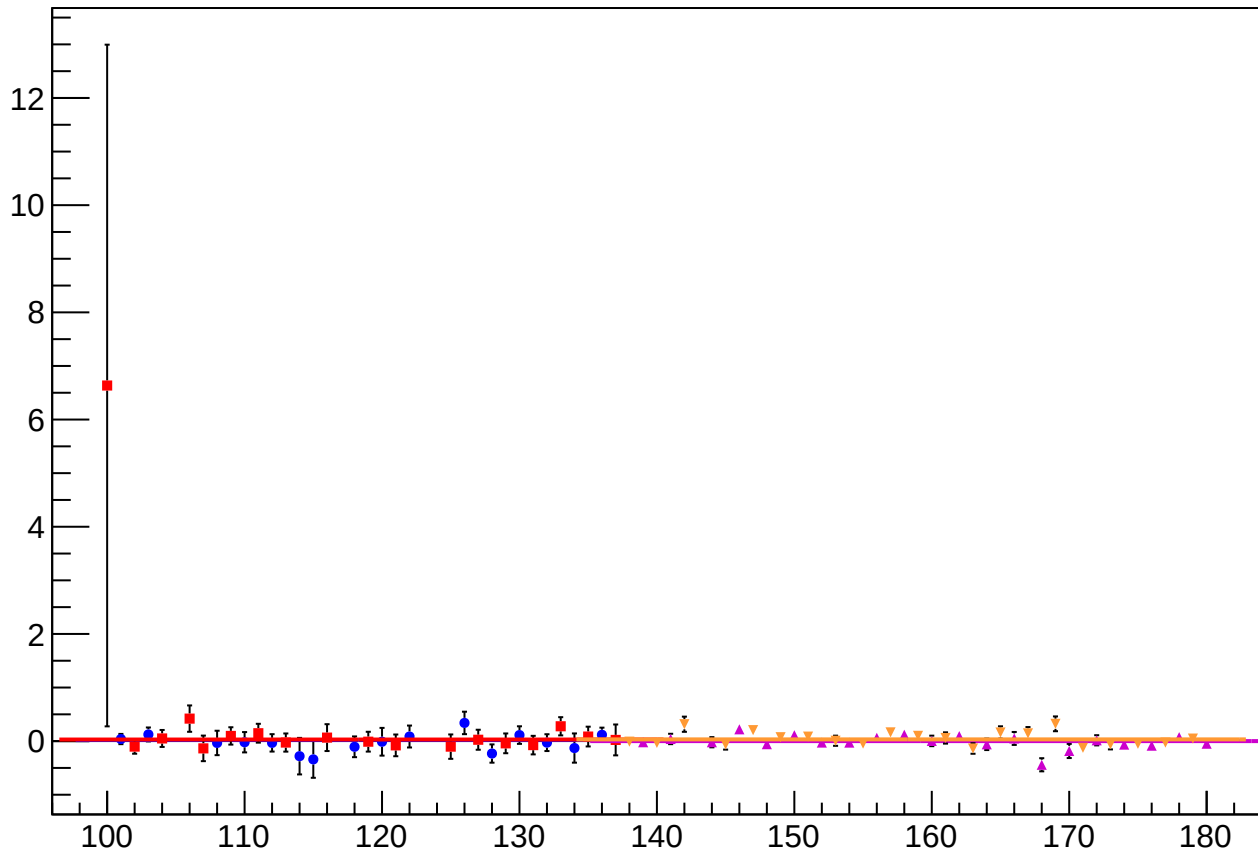
Left In: -0.080 ± 0.015 χ^2/NDF : 23.8/20

+ sign -0.056 ± 0.013 χ^2/NDF : 44.1/36

All: -0.069 ± 0.009 χ^2/NDF : 83.2/75

- sign -0.082 ± 0.013 χ^2/NDF : 36.9/38

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 ± 0.043 χ^2/NDF : 9.1/15

Left Out: 0.033 ± 0.020 χ^2/NDF : 29.5/20

Right Out: 0.030 ± 0.045 χ^2/NDF : 9.2/17

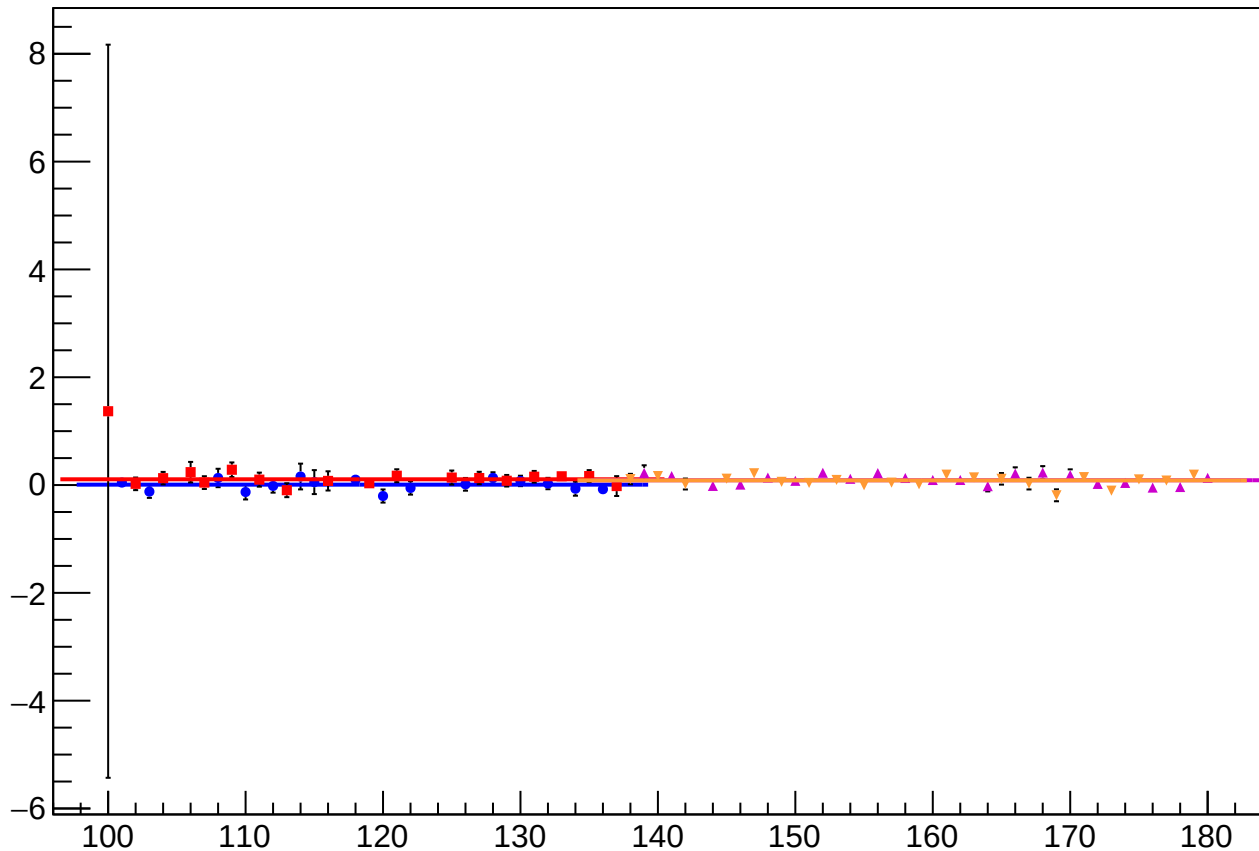
Left In: 0.000 ± 0.019 χ^2/NDF : 32.3/20

+ sign 0.030 ± 0.018 χ^2/NDF : 38.6/36

All: 0.017 ± 0.013 χ^2/NDF : 81.5/75

- sign 0.005 ± 0.018 χ^2/NDF : 41.9/38

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.087 ± 0.017 χ^2/NDF : 27.7/20

Right Out: 0.107 ± 0.029 χ^2/NDF : 8.2/17

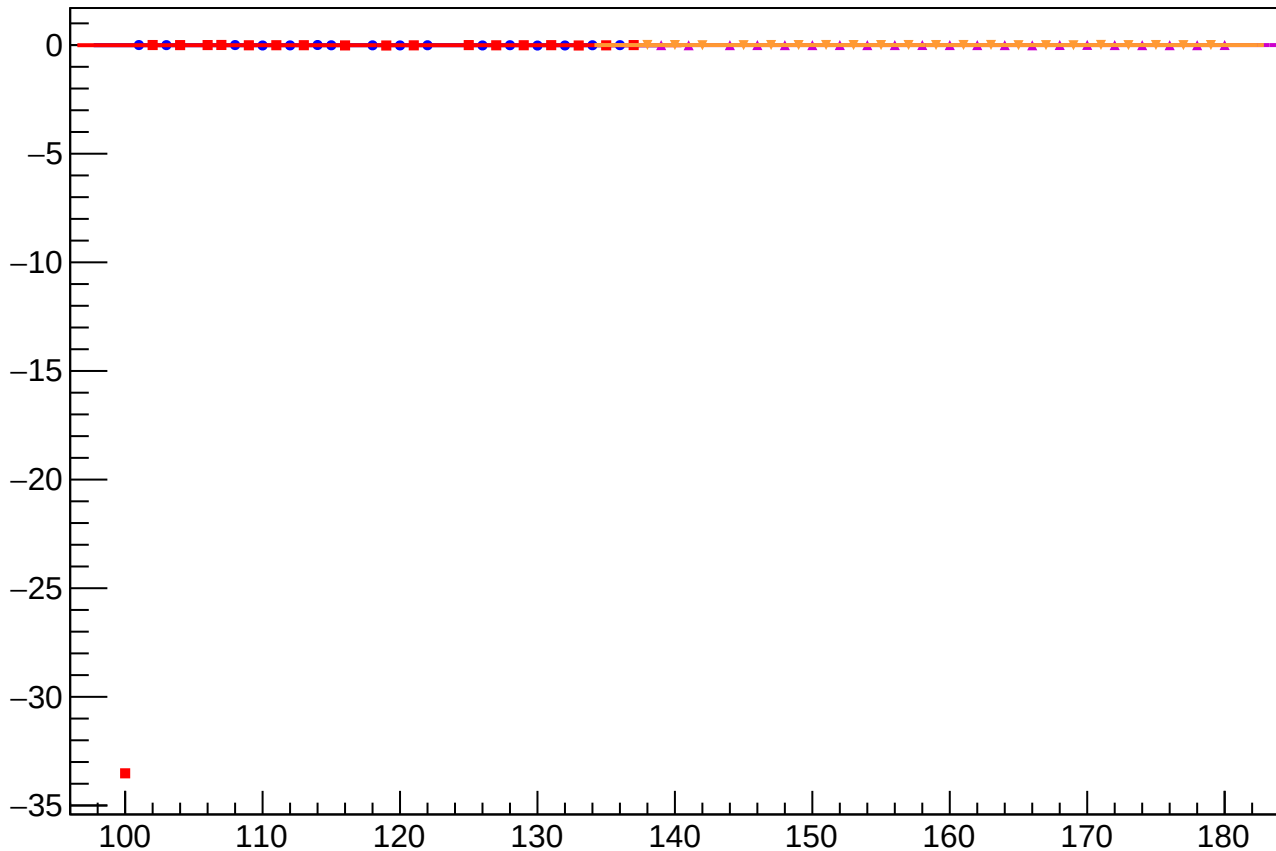
Left In: 0.089 ± 0.017 χ^2/NDF : 26.9/20

+ sign 0.064 ± 0.014 χ^2/NDF : 45.1/36

All: 0.079 ± 0.010 χ^2/NDF : 82.5/75

- sign 0.094 ± 0.015 χ^2/NDF : 35.3/38

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005+/-0.001 χ^2 /NDF: 21.8/15

Left Out: 0.001+/-0.001 χ^2 /NDF:20.3/20

Right Out: -0.006+/-0.001 χ^2 /NDF: 26508.7/17

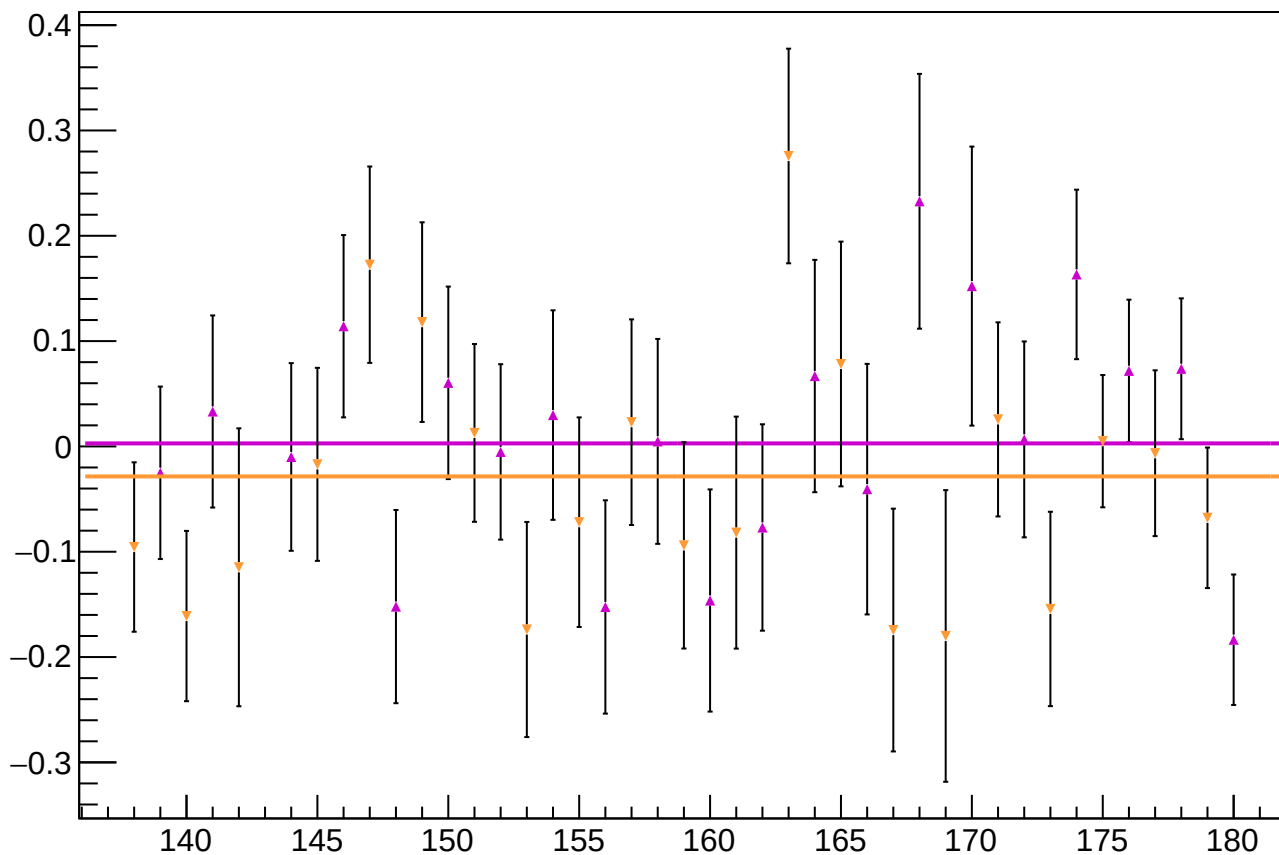
Left In: 0.000+/-0.001 χ^2 /NDF:20.4/20

+ sign -0.001+/-0.001 χ^2 /NDF: 55.7/36

All: -0.001+/-0.000 χ^2 /NDF: 26598.1/75

- sign -0.001+/-0.001 χ^2 /NDF: 26542.0/38

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.028 $\pm$ 0.020 χ^2 /NDF: 29.8/20

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

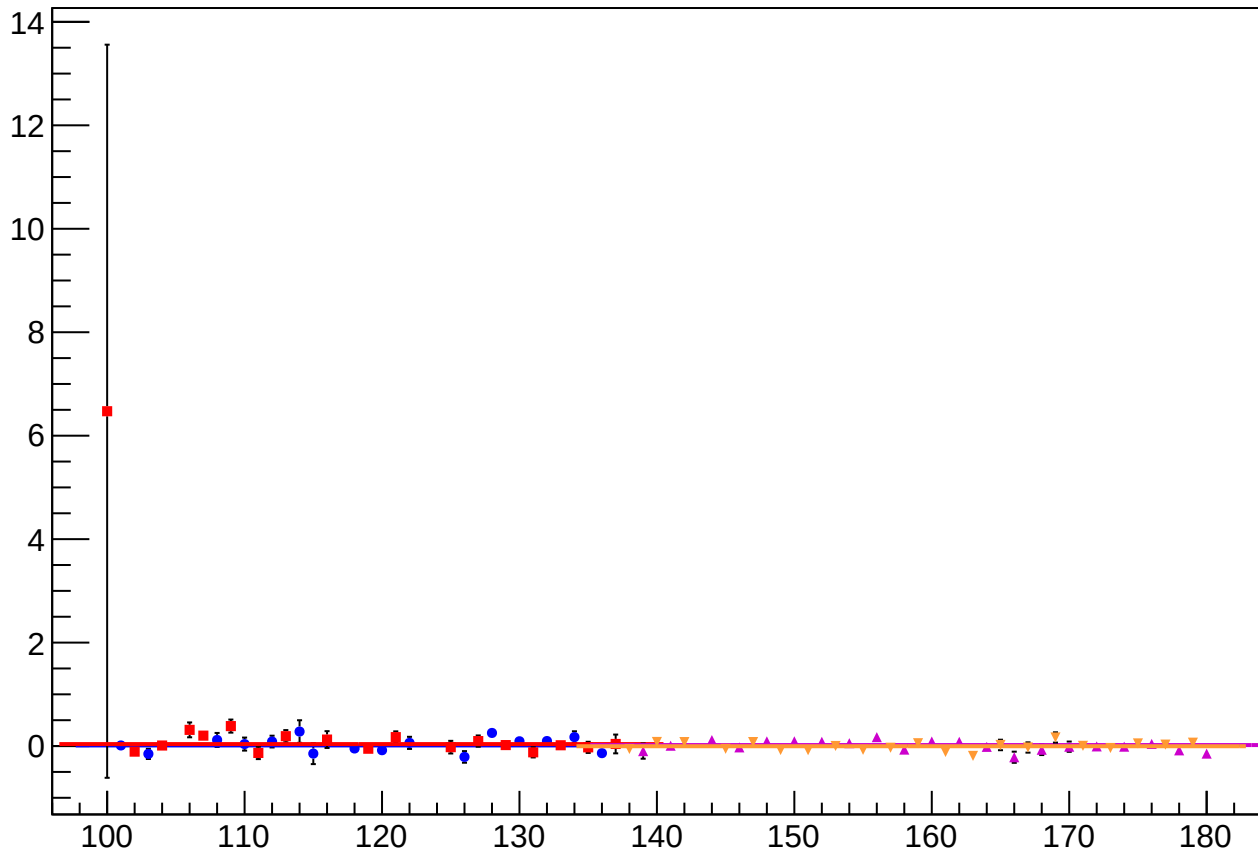
Left In: 0.003 $\pm$ 0.019 χ^2 /NDF: 30.8/20

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

All: -0.012 $\pm$ 0.014 χ^2 /NDF: 61.8/41

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

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.003 ± 0.015 χ^2/NDF : 25.9/20

Right Out: 0.038 ± 0.025 χ^2/NDF : 28.4/17

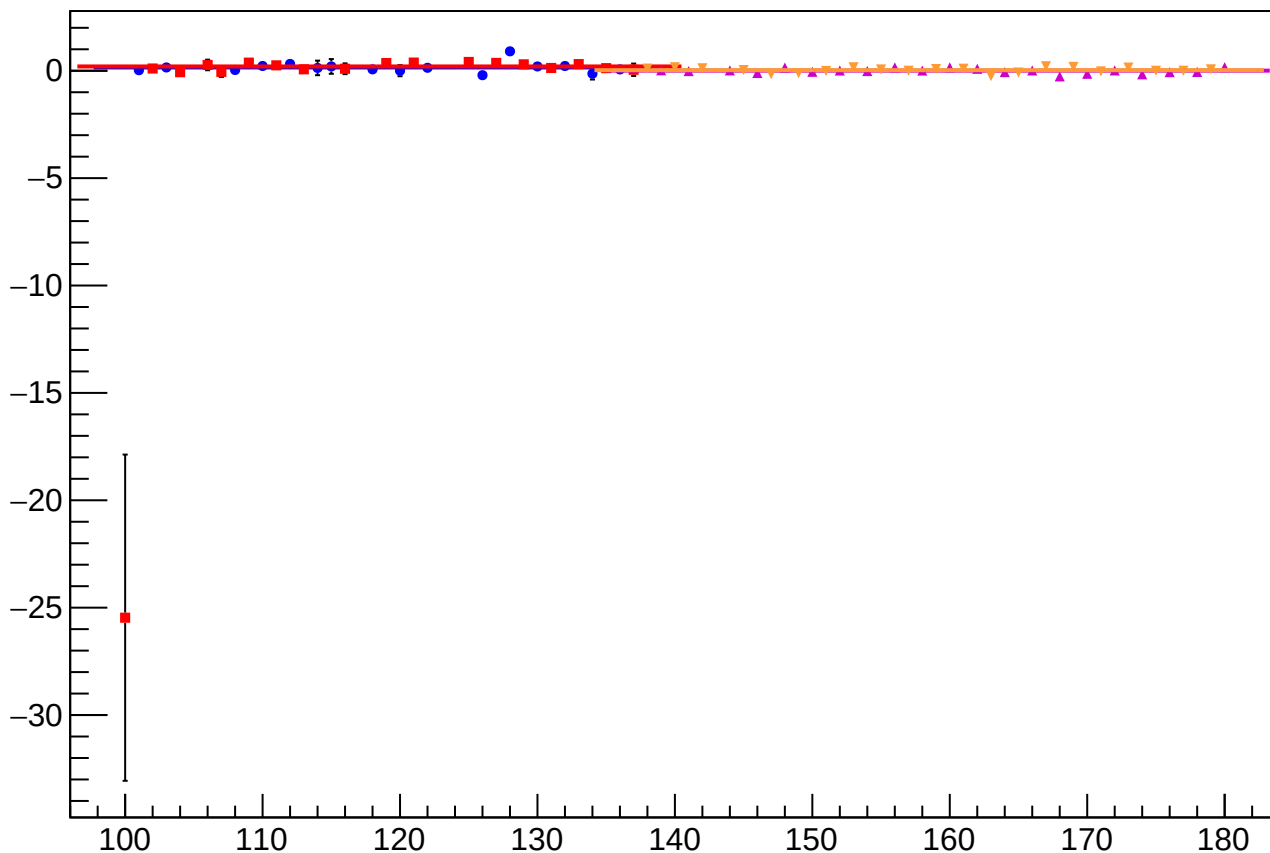
Left In: 0.019 ± 0.015 χ^2/NDF : 33.4/20

+ sign 0.001 ± 0.013 χ^2/NDF : 51.2/36

All: 0.012 ± 0.009 χ^2/NDF : 115.2/75

- sign 0.024 ± 0.013 χ^2/NDF : 62.3/38

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 ± 0.043 χ^2/NDF : 27.9/15

Left Out: 0.027 ± 0.020 χ^2/NDF : 28.8/20

Right Out: 0.201 ± 0.045 χ^2/NDF : 22.6/17

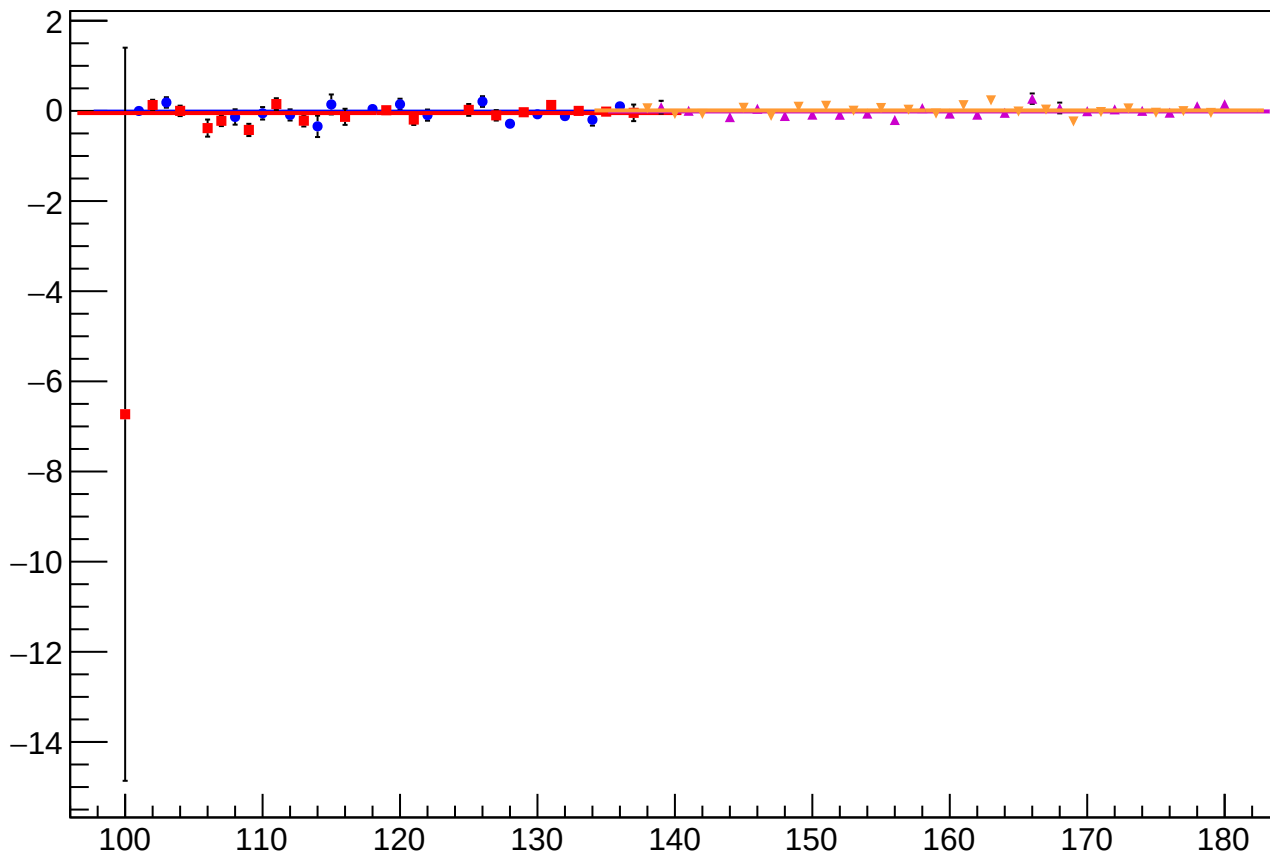
Left In: 0.006 ± 0.019 χ^2/NDF : 29.9/20

+ sign 0.049 ± 0.018 χ^2/NDF : 64.0/36

All: 0.042 ± 0.013 χ^2/NDF : 132.7/75

- sign 0.036 ± 0.018 χ^2/NDF : 68.4/38

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.010 ± 0.017 χ^2/NDF : 27.9/20

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

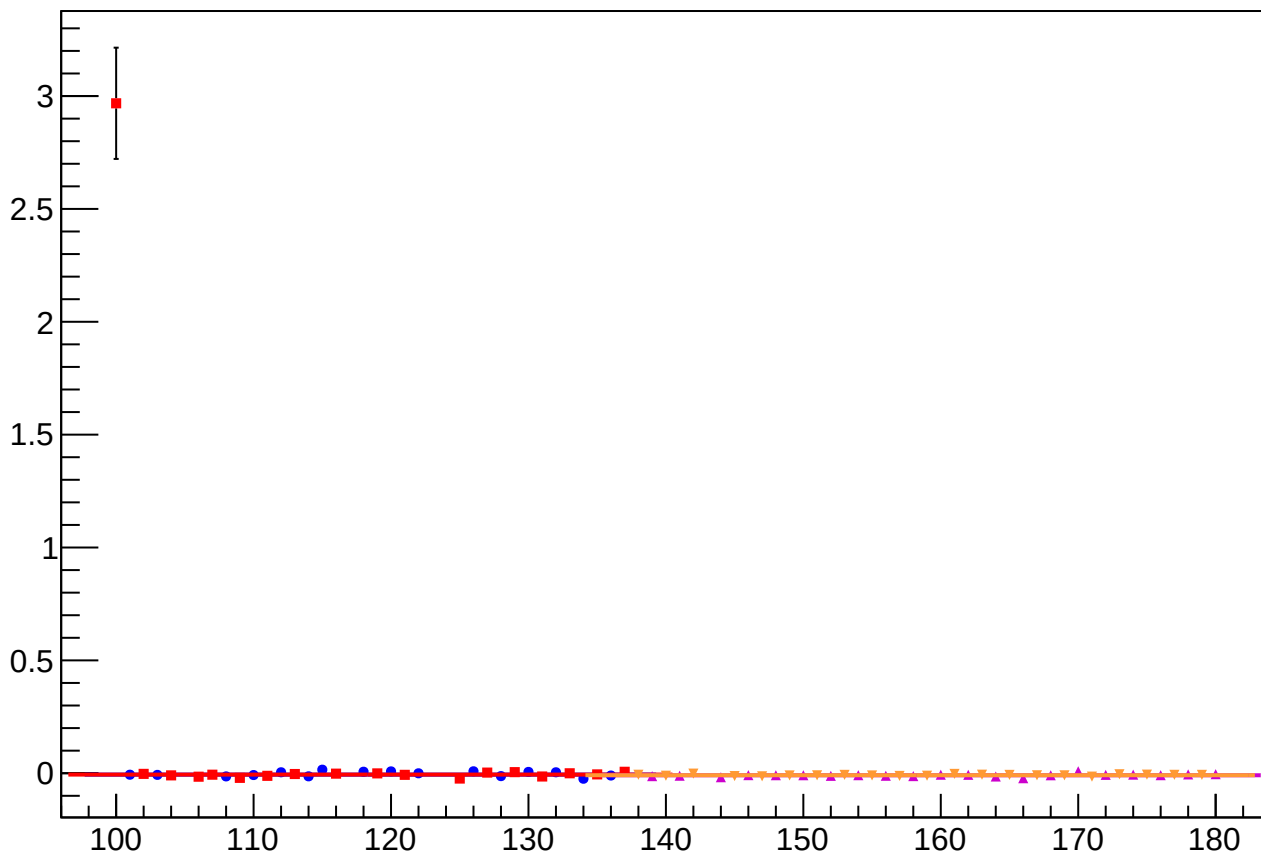
Left In: -0.012 ± 0.017 χ^2/NDF : 33.2/20

+ sign 0.003 ± 0.014 χ^2/NDF : 52.9/36

All: -0.009 ± 0.010 χ^2/NDF : 114.7/75

- sign -0.022 ± 0.015 χ^2/NDF : 60.3/38

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.009 ± 0.001 χ^2/NDF : 15.8/20

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

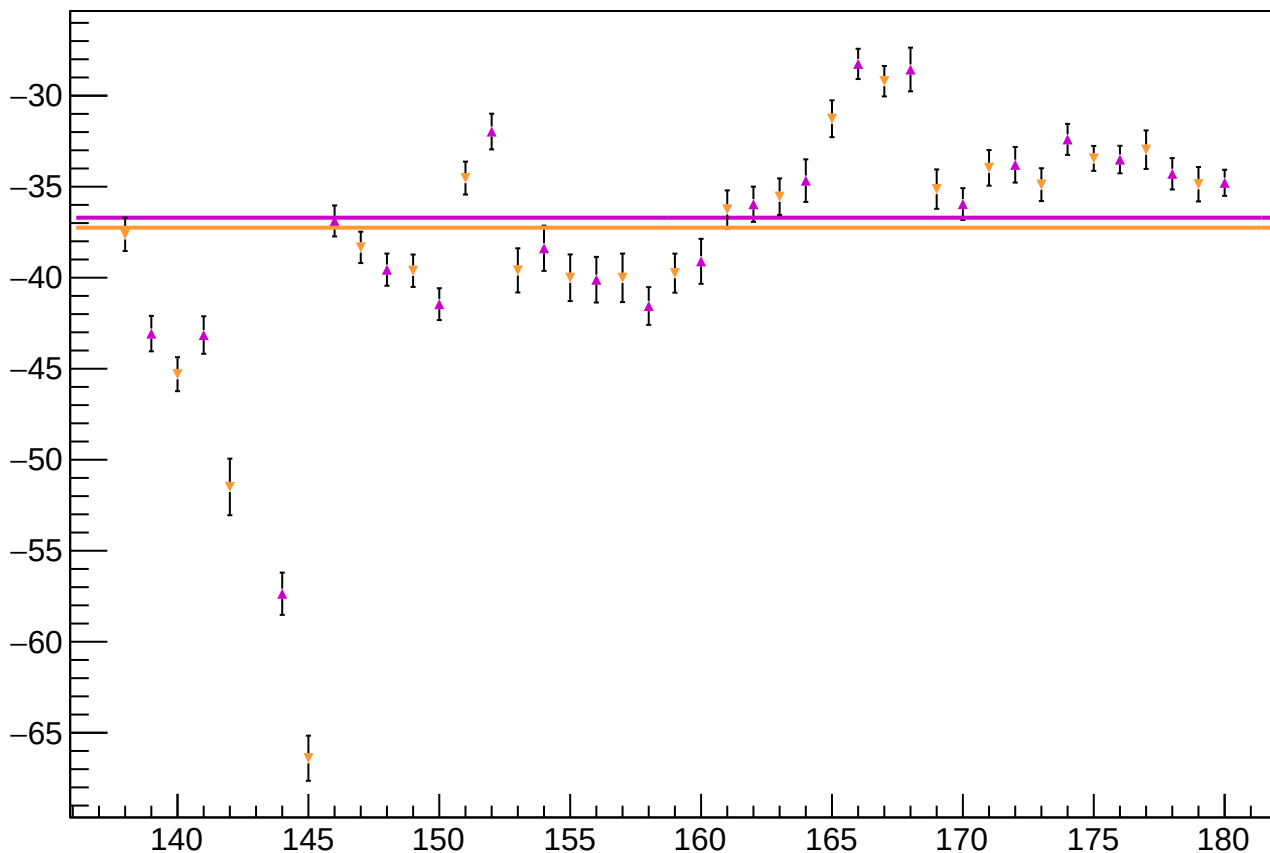
Left In: -0.009 ± 0.001 χ^2/NDF : 35.2/20

+ sign -0.008 ± 0.001 χ^2/NDF : 45.6/36

All: -0.008 ± 0.000 χ^2/NDF : 250.0/75

- sign -0.008 ± 0.001 χ^2/NDF : 204.4/38

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -37.251+/-0.216 χ^2/NDF : 954.1/20

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

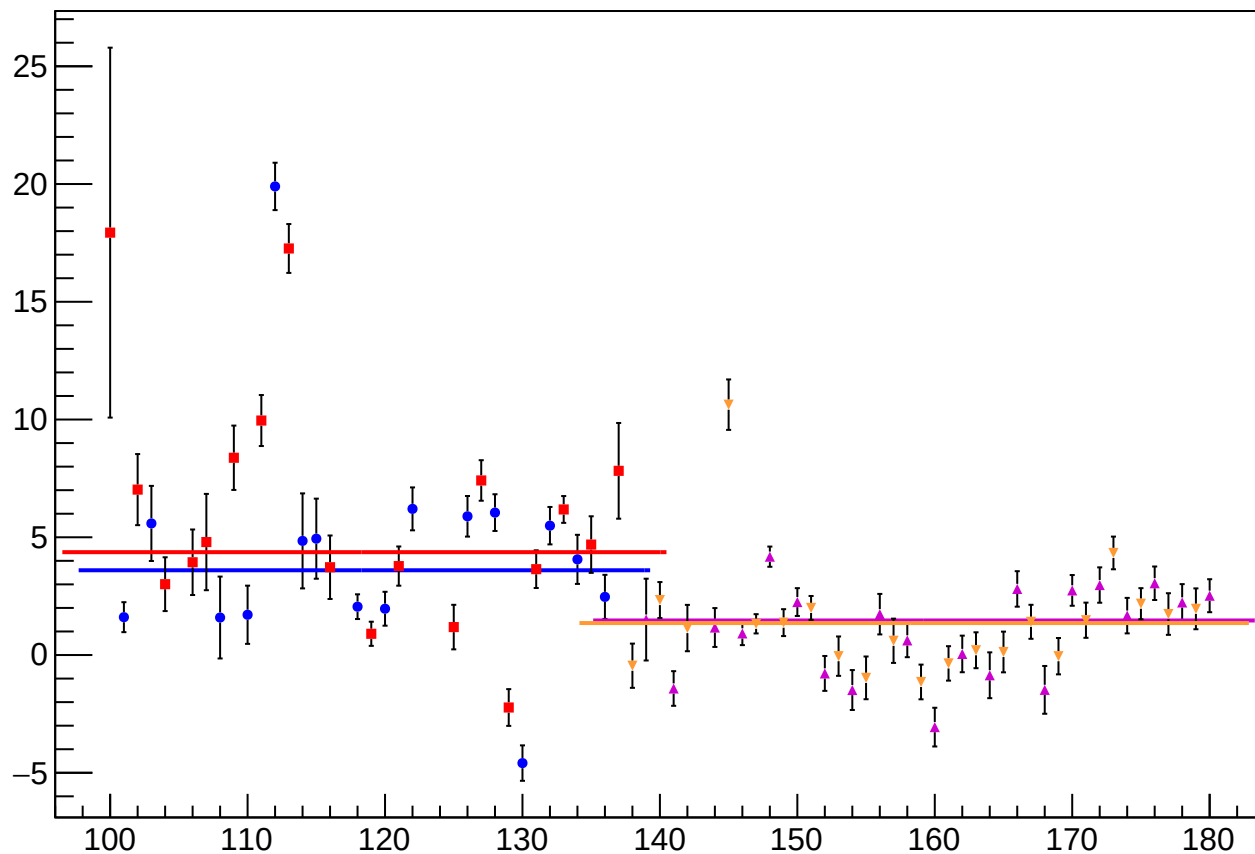
Left In: -36.702+/-0.207 χ^2/NDF : 717.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -36.966+/-0.149 χ^2/NDF : 1675.3/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 1.358 ± 0.157 χ^2/NDF : 137.3/20

Right Out: 4.367 ± 0.225 χ^2/NDF : 353.1/17

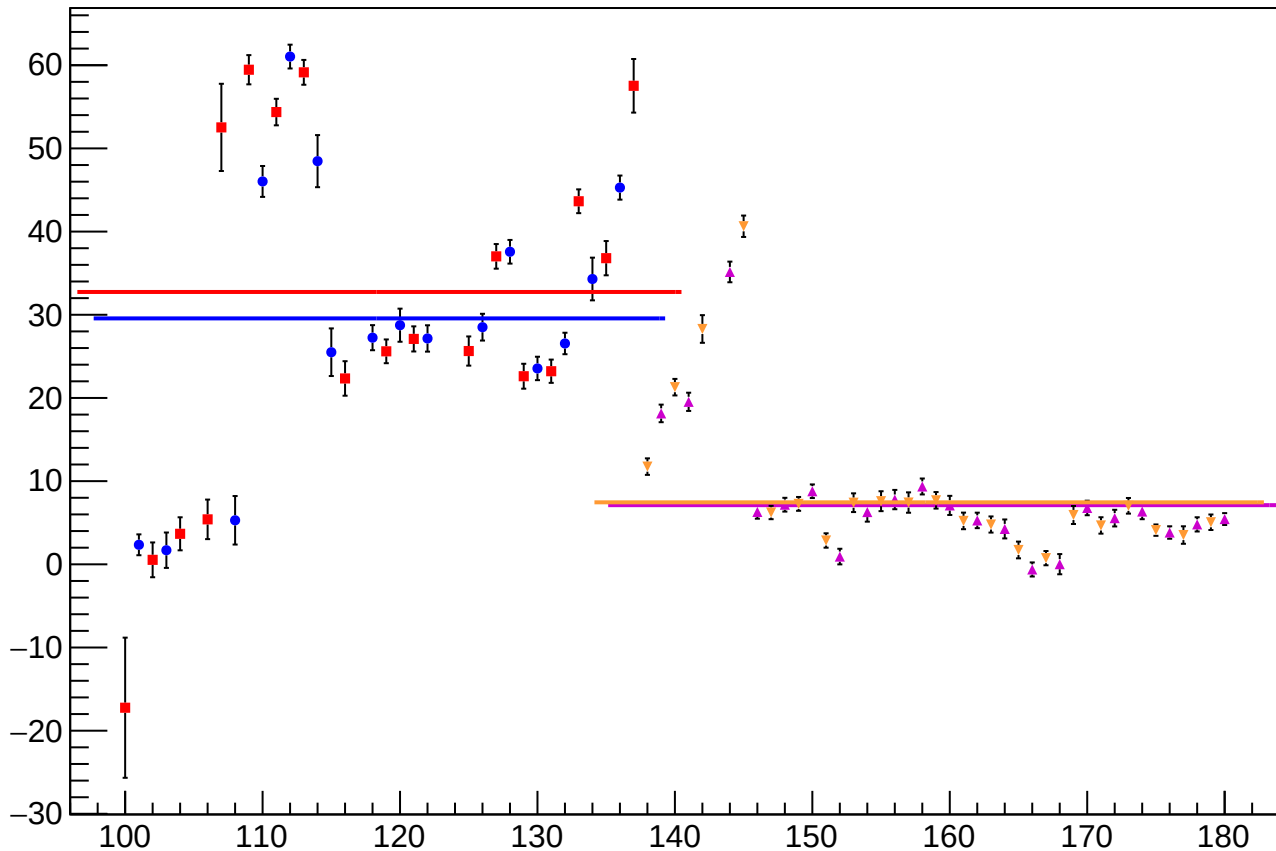
Left In: 1.467 ± 0.156 χ^2/NDF : 148.4/20

+ sign 2.112 ± 0.128 χ^2/NDF : 649.3/36

All: 2.261 ± 0.091 χ^2/NDF : 1265.7/75

- sign 2.411 ± 0.128 χ^2/NDF : 613.7/38

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 7.453 $\pm$ 0.213 χ^2 /NDF:1227.0/20

Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

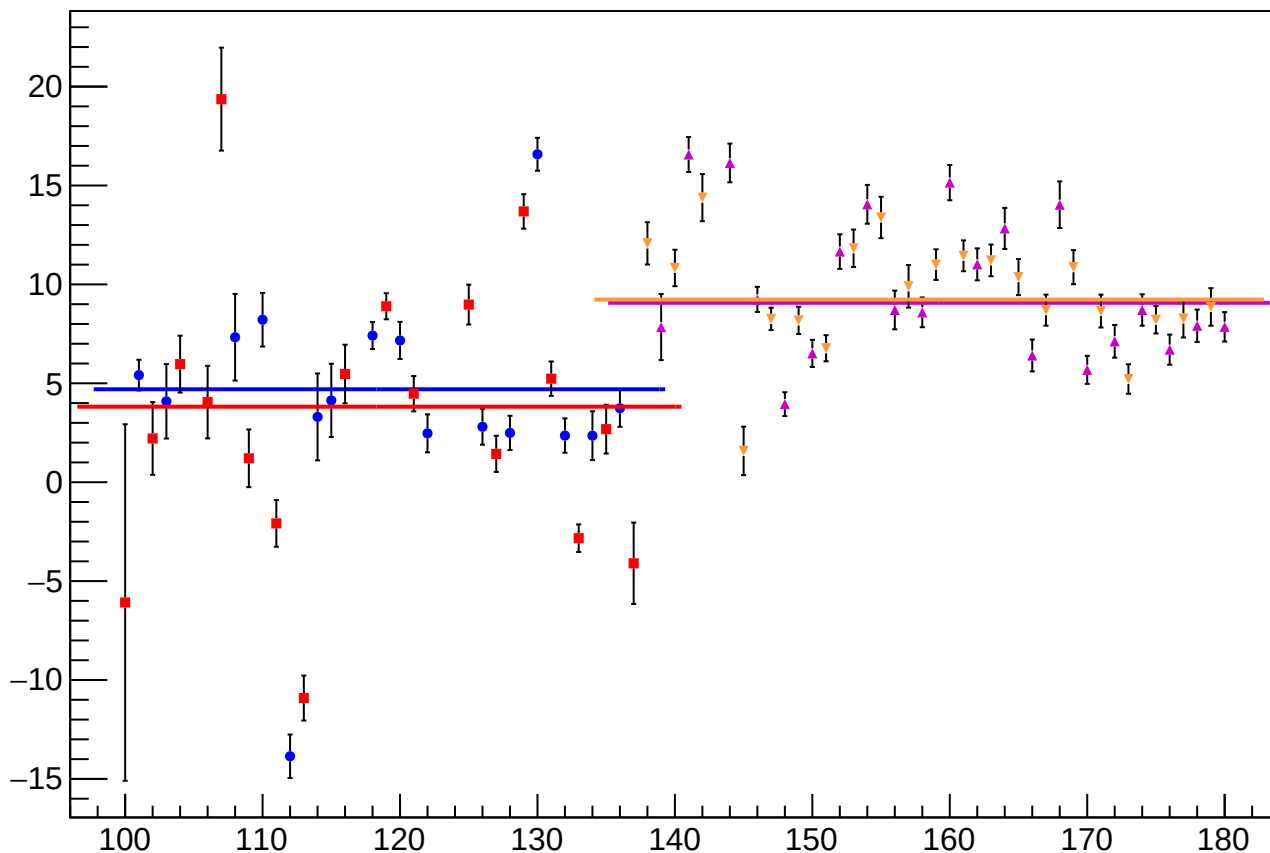
Left In: 7.112 $\pm$ 0.205 χ^2 /NDF:965.9/20

+ sign 11.973 $\pm$ 0.190 χ^2 /NDF: 4931.3/36

All: 11.974 $\pm$ 0.132 χ^2 /NDF: 10538.8/75

- sign 11.974 $\pm$ 0.184 χ^2 /NDF: 5607.5/38

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.232 ± 0.181 χ^2/NDF : 168.5/20

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

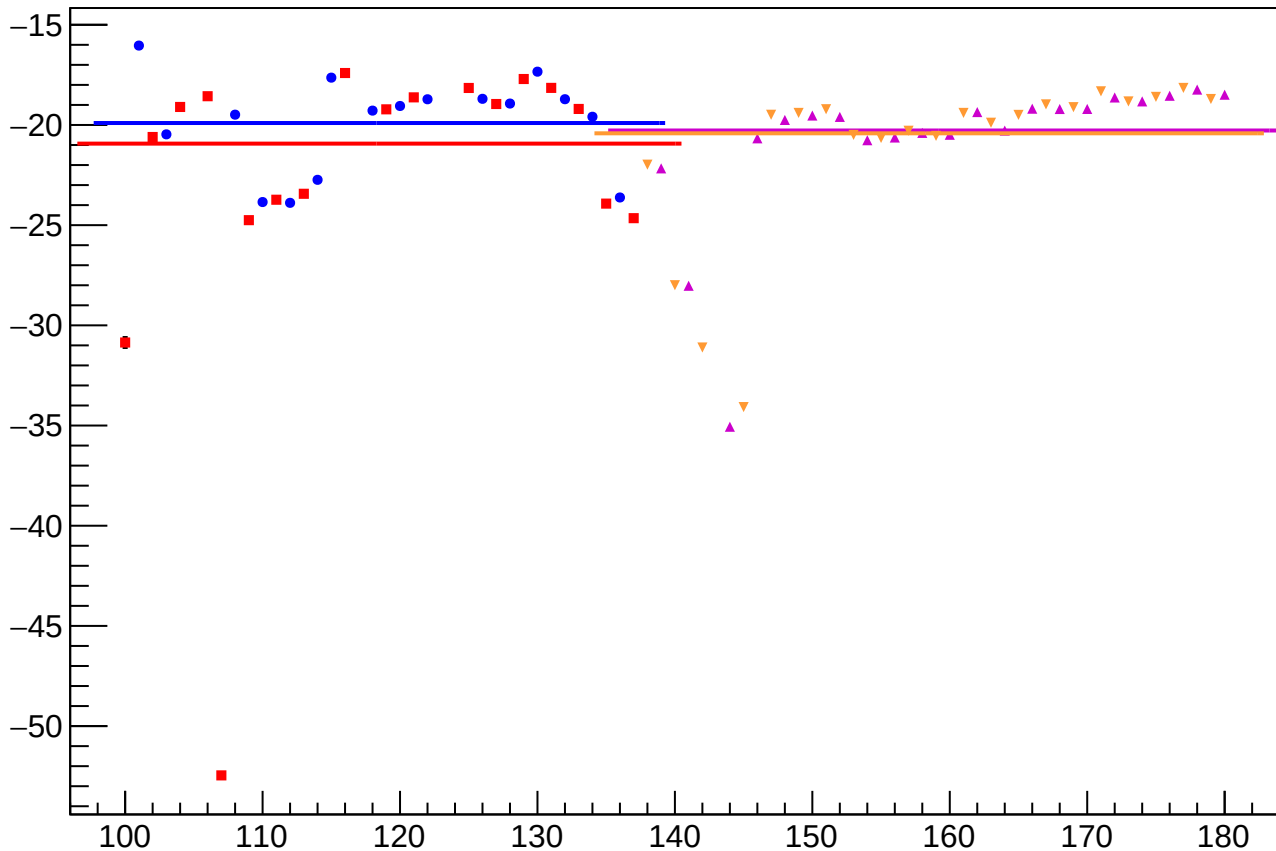
Left In: 9.069 ± 0.179 χ^2/NDF : 383.6/20

+ sign 7.702 ± 0.148 χ^2/NDF : 928.4/36

All: 7.535 ± 0.104 χ^2/NDF : 2161.5/75

- sign 7.368 ± 0.147 χ^2/NDF : 1230.5/38

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -20.417 ± 0.009 $\chi^2/\text{NDF}: 149832.2/20$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

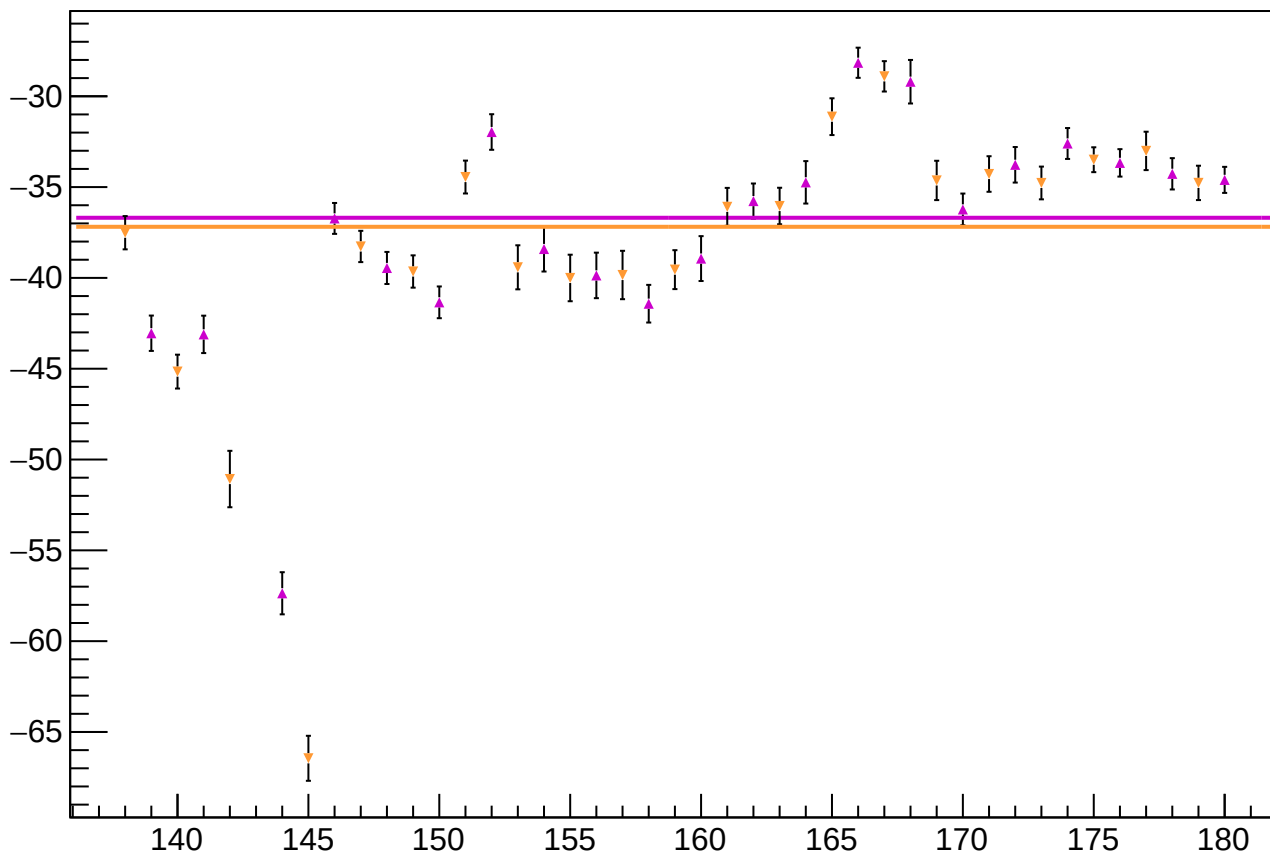
Left In: -20.276 ± 0.008 $\chi^2/\text{NDF}: 123323.9/20$

+ sign -20.298 ± 0.008 $\chi^2/\text{NDF}: 176718.1/36$

All: -20.359 ± 0.005 $\chi^2/\text{NDF}: 395540.7/75$

- sign -20.418 ± 0.007 $\chi^2/\text{NDF}: 218693.1/38$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -37.186 $\pm$ 0.215 χ^2 /NDF:955.9/20

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

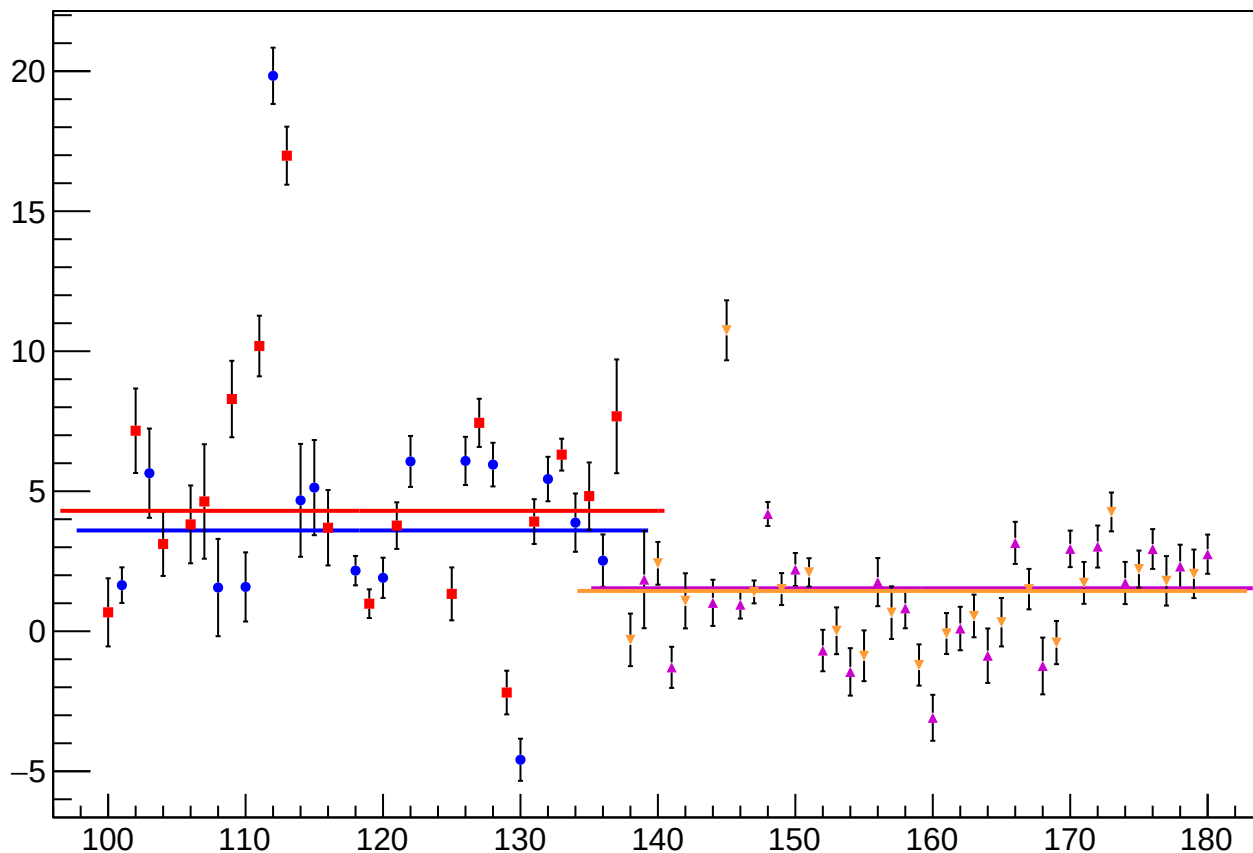
Left In: -36.689 $\pm$ 0.207 χ^2 /NDF:706.1/20

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

All: -36.928 $\pm$ 0.149 χ^2 /NDF: 1664.8/41

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

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 440.3/15

Left Out: 1.440 $\pm$ 0.157 χ^2 /NDF:137.4/20

Right Out: 4.301 $\pm$ 0.221 χ^2 /NDF: 352.1/17

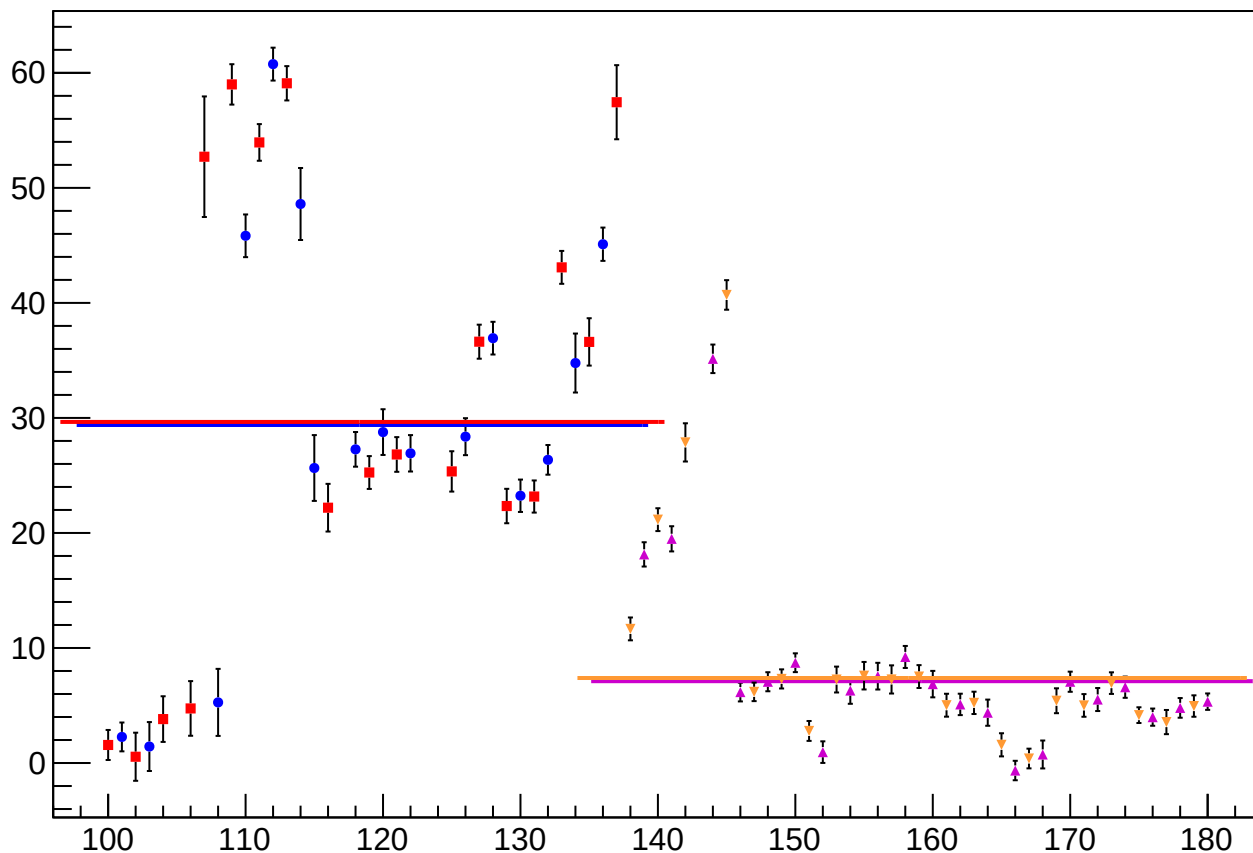
Left In: 1.534 $\pm$ 0.156 χ^2 /NDF:148.6/20

+ sign 2.167 $\pm$ 0.128 χ^2 /NDF: 641.5/36

All: 2.311 $\pm$ 0.090 χ^2 /NDF: 1249.3/75

- sign 2.455 $\pm$ 0.127 χ^2 /NDF: 605.3/38

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 ± 0.419 χ^2/NDF : 1488.6/15

Left Out: 7.390 ± 0.213 χ^2/NDF : 1227.1/20

Right Out: 29.652 ± 0.402 χ^2/NDF : 2131.0/17

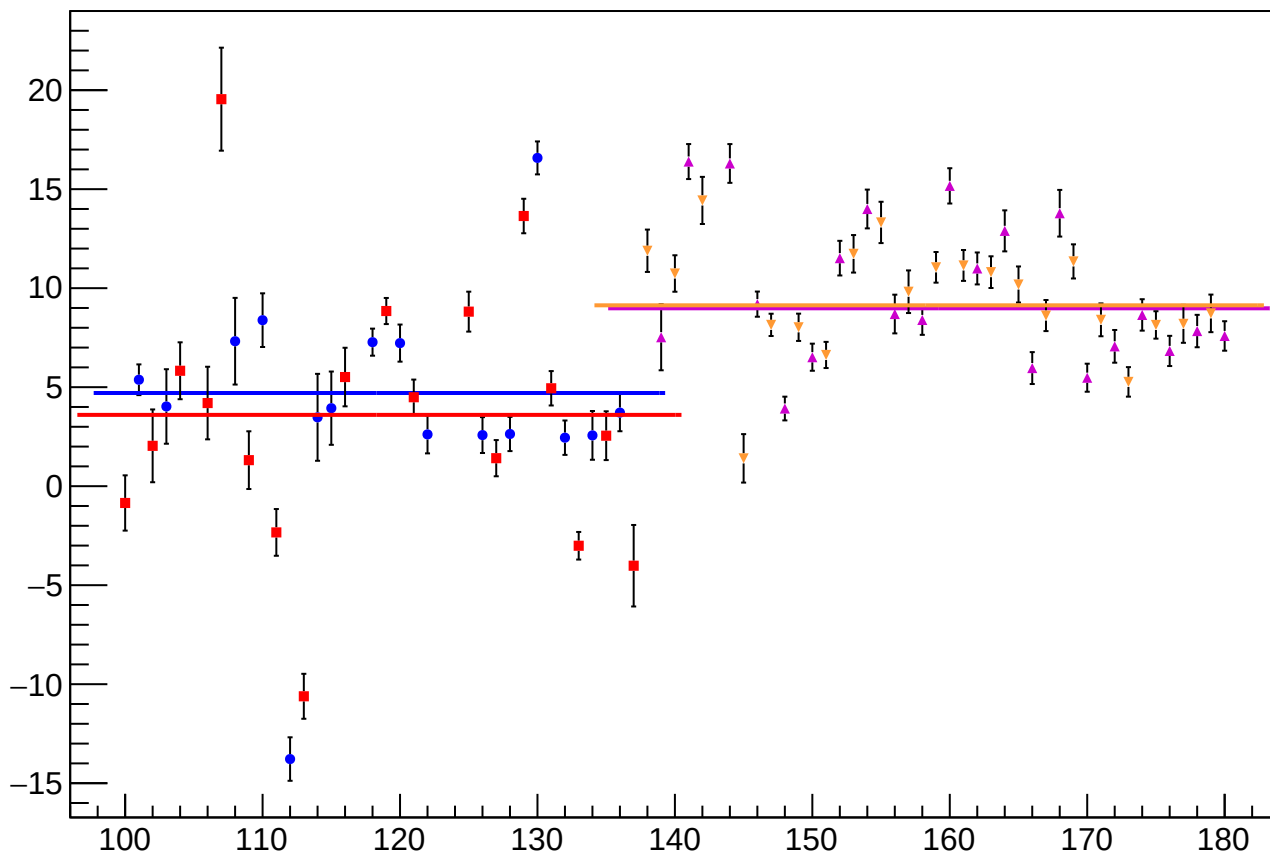
Left In: 7.113 ± 0.204 χ^2/NDF : 957.8/20

+ sign 11.888 ± 0.190 χ^2/NDF : 4905.7/36

All: 11.810 ± 0.131 χ^2/NDF : 10489.1/75

- sign 11.737 ± 0.182 χ^2/NDF : 5583.1/38

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.134 ± 0.181 χ^2/NDF : 169.9/20

Right Out: 3.601 ± 0.254 χ^2/NDF : 573.4/17

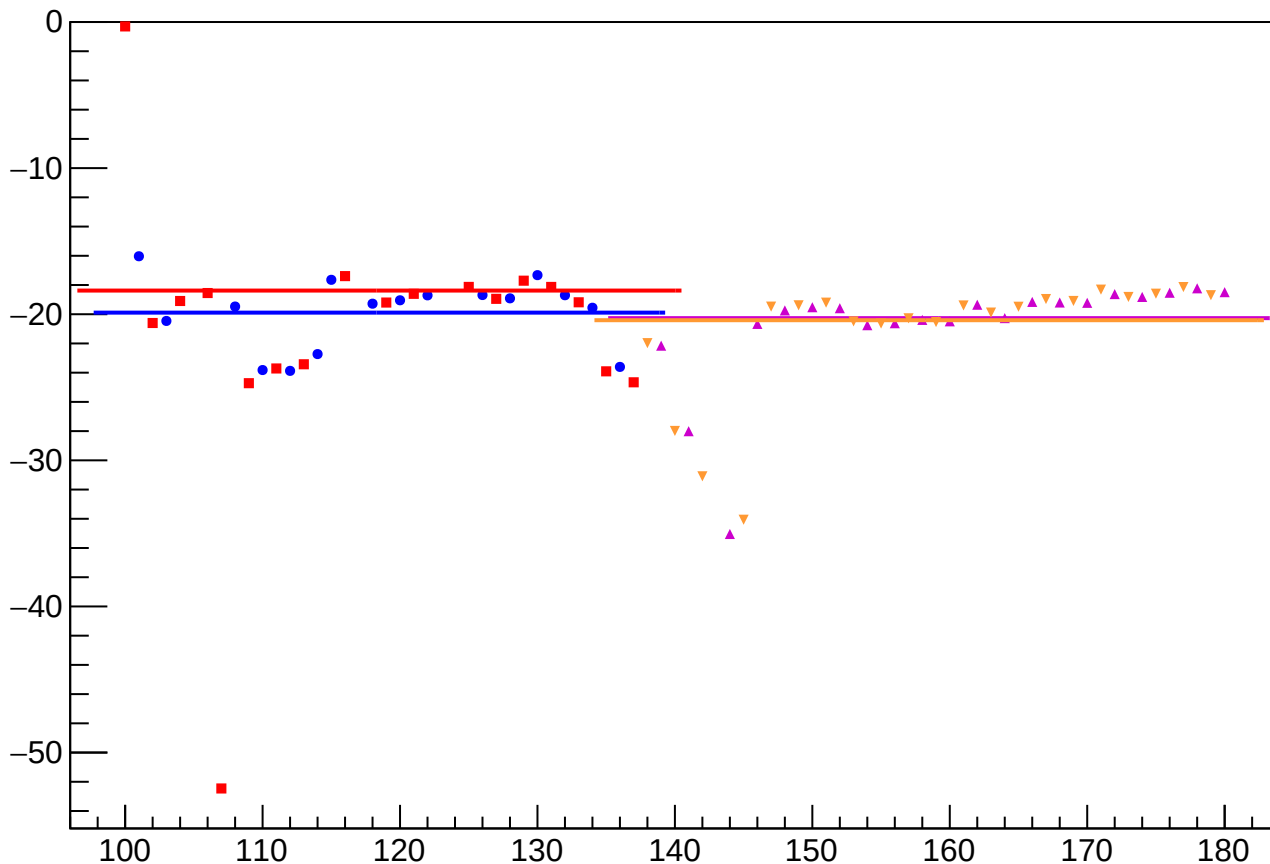
Left In: 8.983 ± 0.179 χ^2/NDF : 389.5/20

+ sign 7.640 ± 0.147 χ^2/NDF : 916.7/36

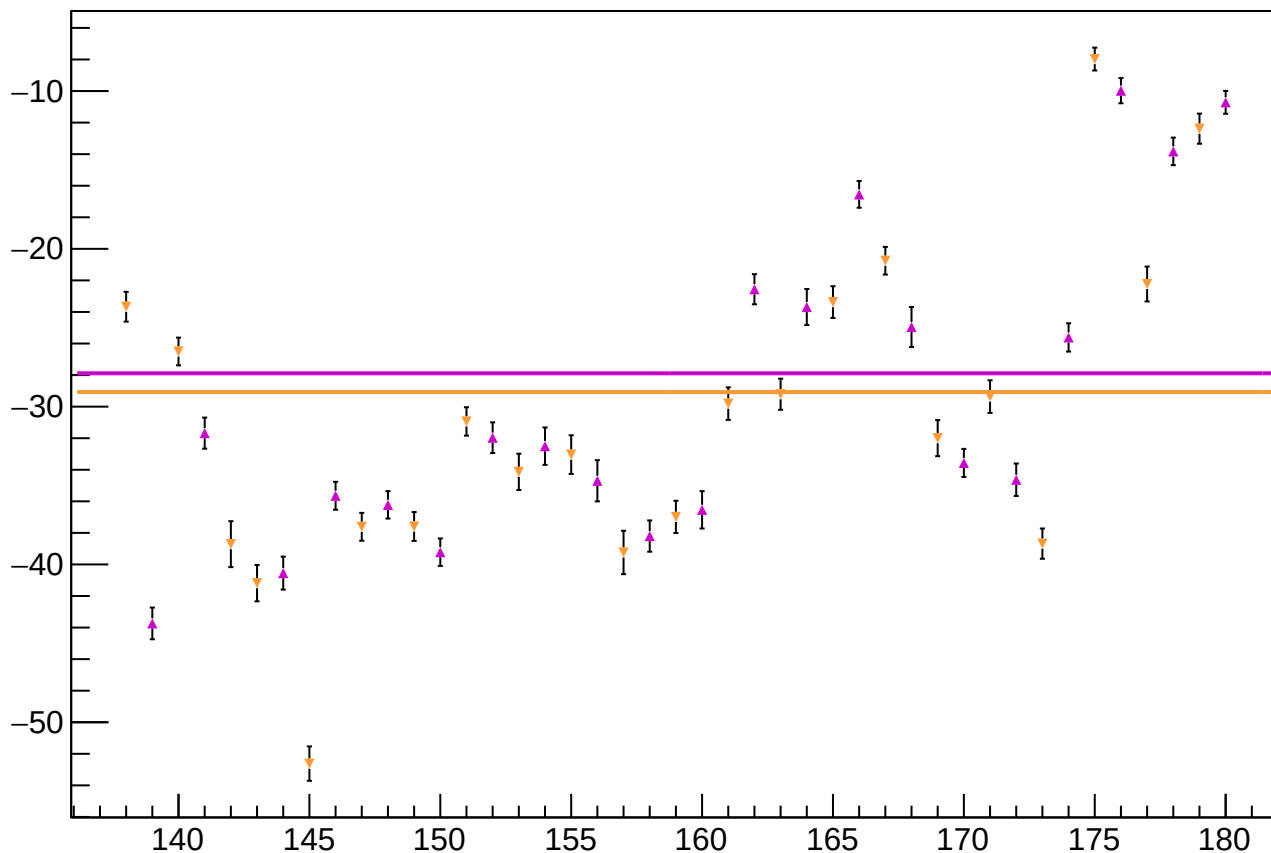
All: 7.418 ± 0.104 χ^2/NDF : 2184.2/75

- sign 7.201 ± 0.146 χ^2/NDF : 1263.1/38

reg_asym_left_dd_diff_bpm12X_slope vs Slug



reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -29.076+/-0.213 χ^2/NDF : 2416.3/21

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

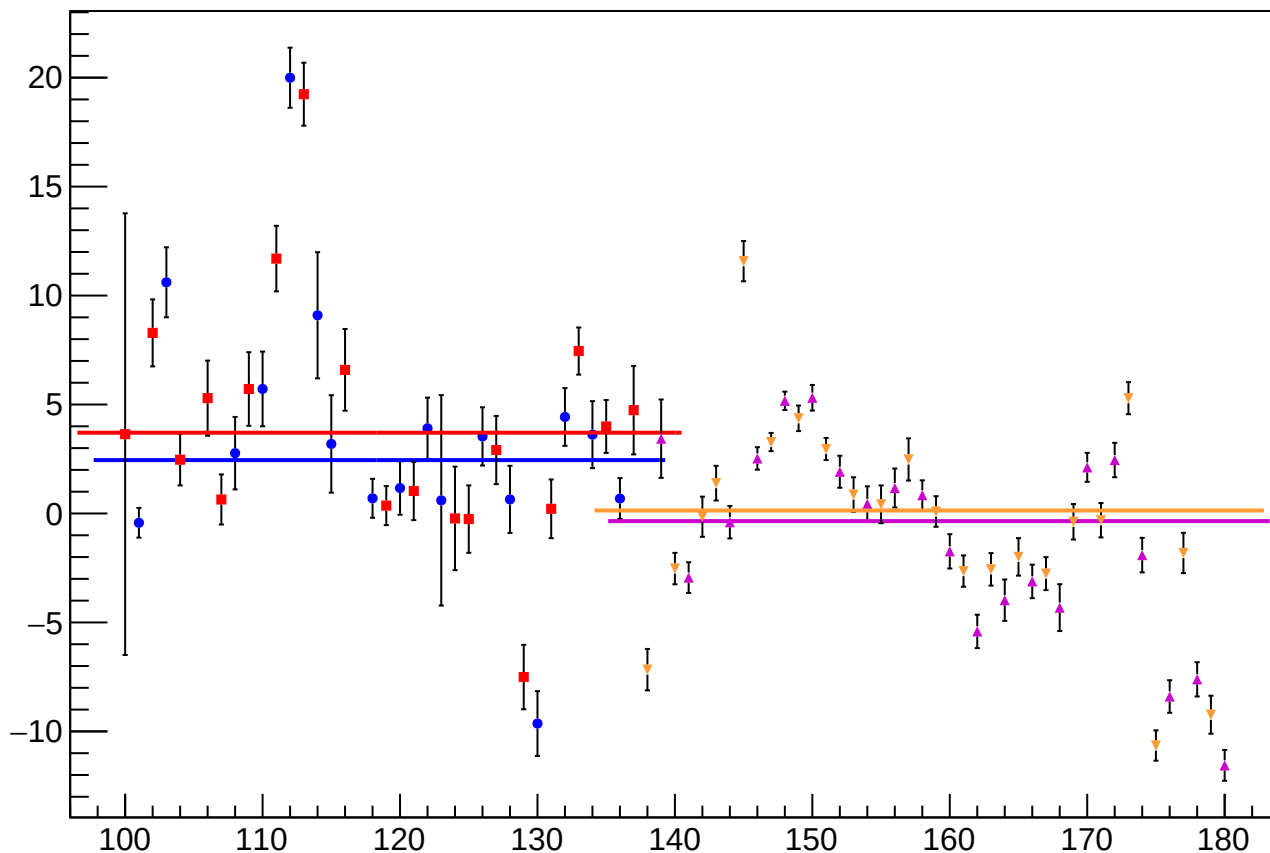
Left In: -27.887+/-0.208 χ^2/NDF : 2616.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -28.467+/-0.149 χ^2/NDF : 5048.5/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449+/-0.314 χ^2/NDF : 295.3/16

Left Out: 0.139+/-0.155 χ^2/NDF : 832.9/21

Right Out: 3.707+/-0.326 χ^2/NDF : 269.4/18

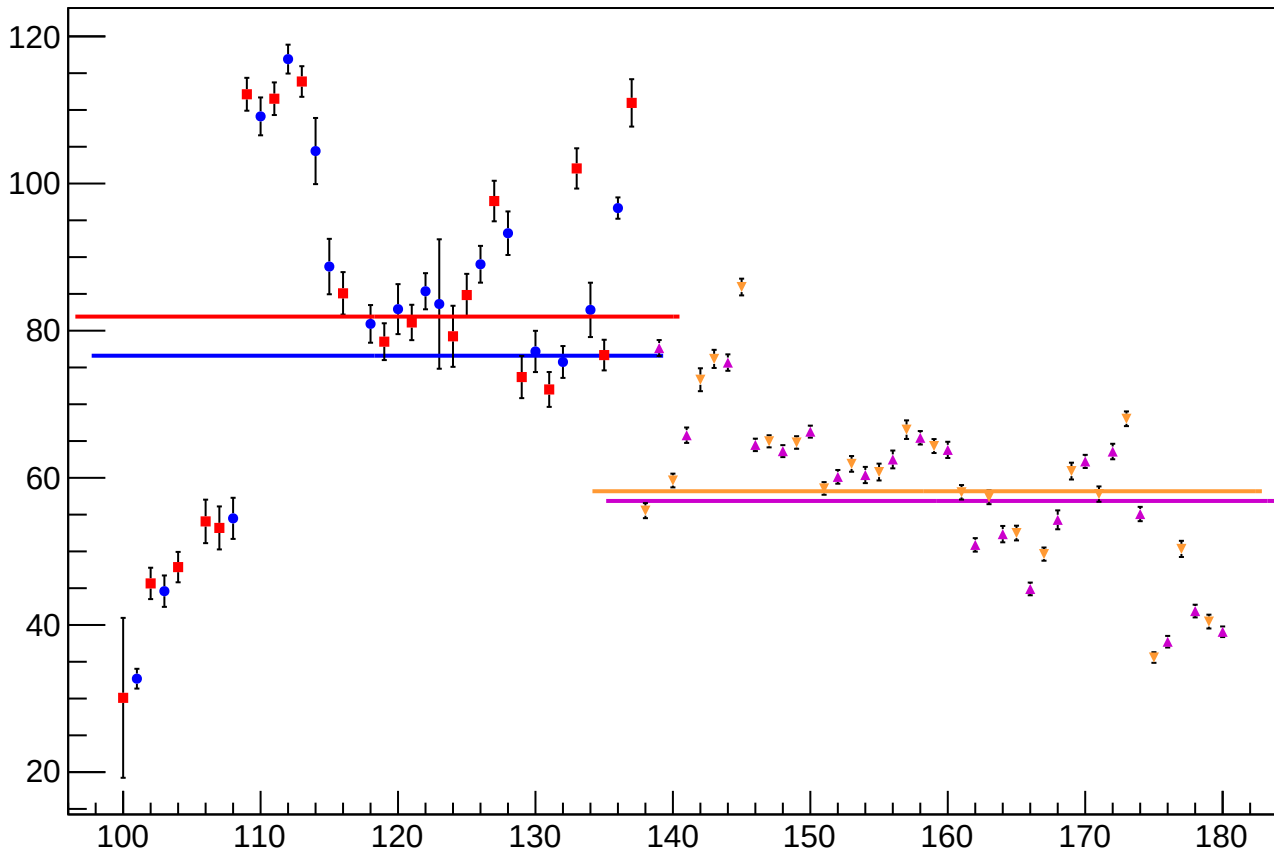
Left In: -0.350+/-0.156 χ^2/NDF : 901.3/20

+ sign 0.589+/-0.139 χ^2/NDF : 1171.7/38

All: 0.498+/-0.099 χ^2/NDF : 2469.0/78

- sign 0.405+/-0.141 χ^2/NDF : 1296.5/39

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 58.177 $\pm$ 0.211 χ^2 /NDF:2755.7/21

Right Out: 81.916 $\pm$ 0.592 χ^2 /NDF: 1570.7/18

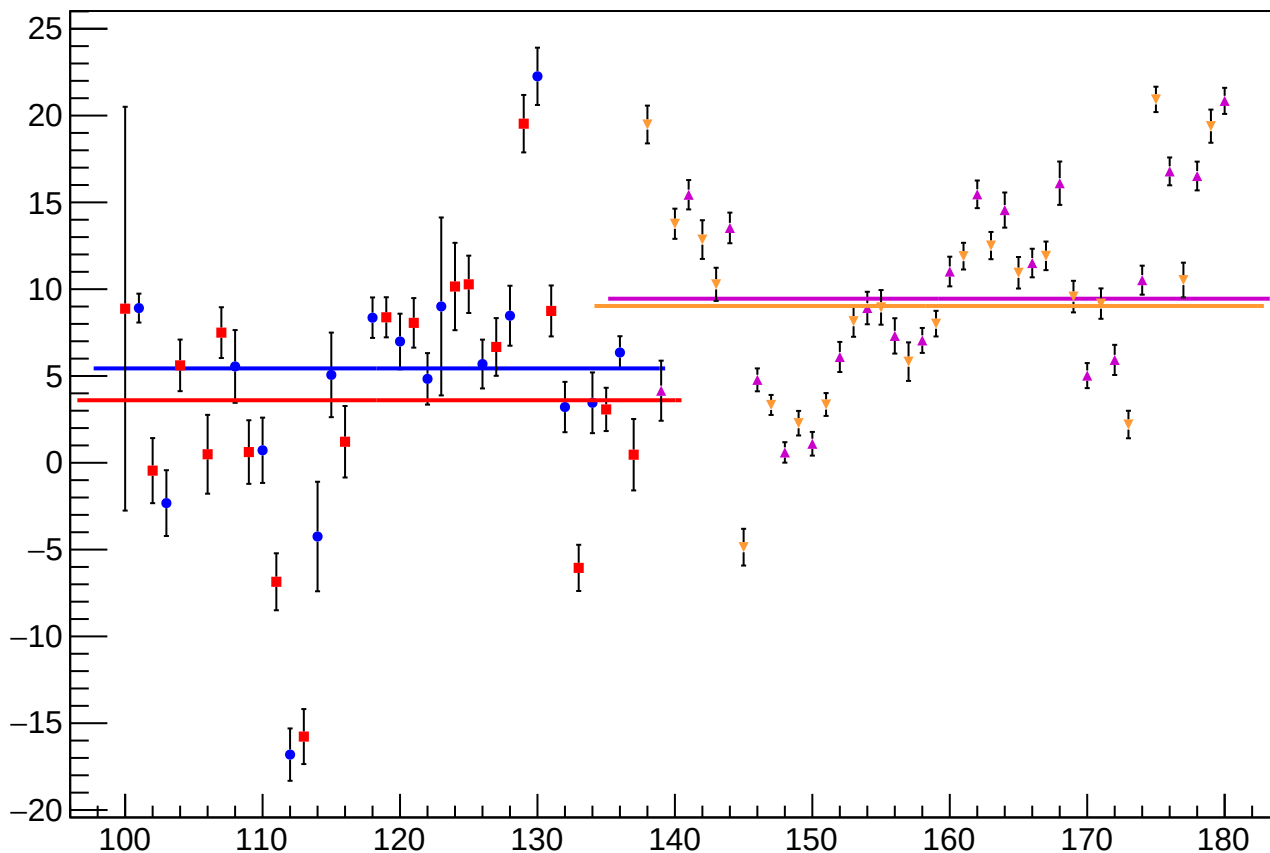
Left In: 56.857 $\pm$ 0.206 χ^2 /NDF:3007.3/20

+ sign 60.357 $\pm$ 0.198 χ^2 /NDF: 5912.4/38

All: 59.947 $\pm$ 0.139 χ^2 /NDF: 12097.6/78

- sign 59.553 $\pm$ 0.194 χ^2 /NDF: 6176.8/39

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 χ^2/NDF : 387.2/16

Left Out: 9.032 ± 0.179 χ^2/NDF : 1091.9/21

Right Out: 3.602 ± 0.375 χ^2/NDF : 423.3/18

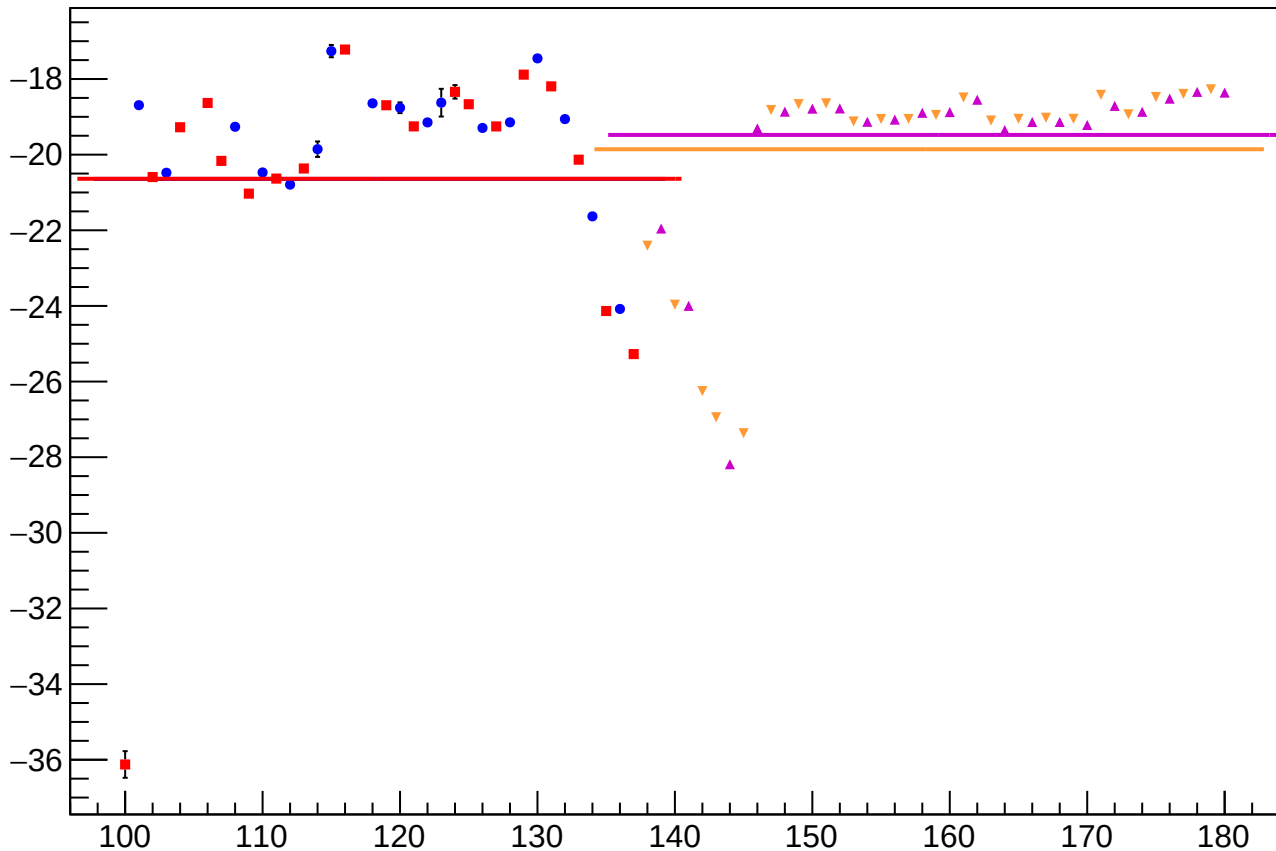
Left In: 9.451 ± 0.179 χ^2/NDF : 1100.4/20

+ sign 8.321 ± 0.160 χ^2/NDF : 1559.0/38

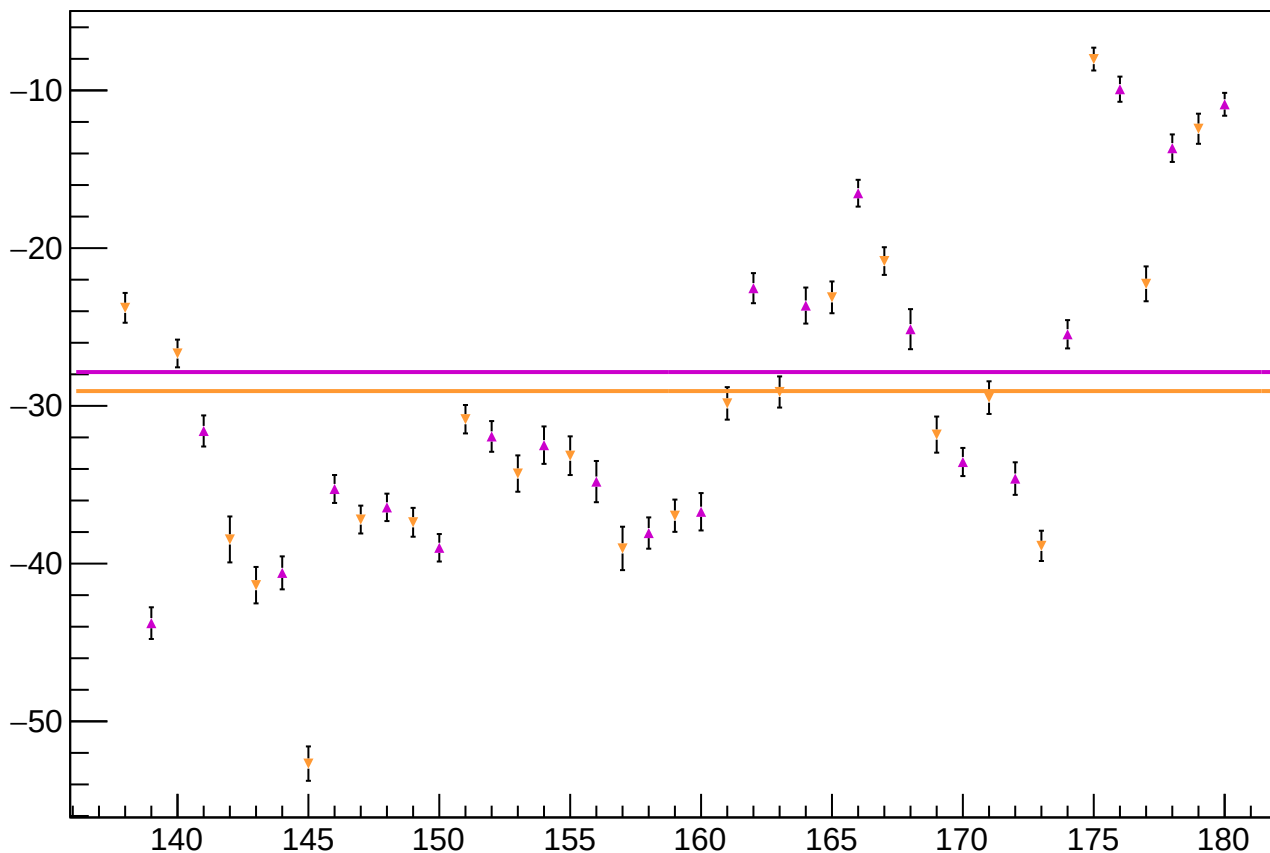
All: 8.343 ± 0.114 χ^2/NDF : 3280.8/78

- sign 8.366 ± 0.162 χ^2/NDF : 1721.8/39

reg_asym_right_avg_diff_bpm12X_slope vs Slug



reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -29.063+/-0.213 χ^2/NDF : 2400.6/21

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

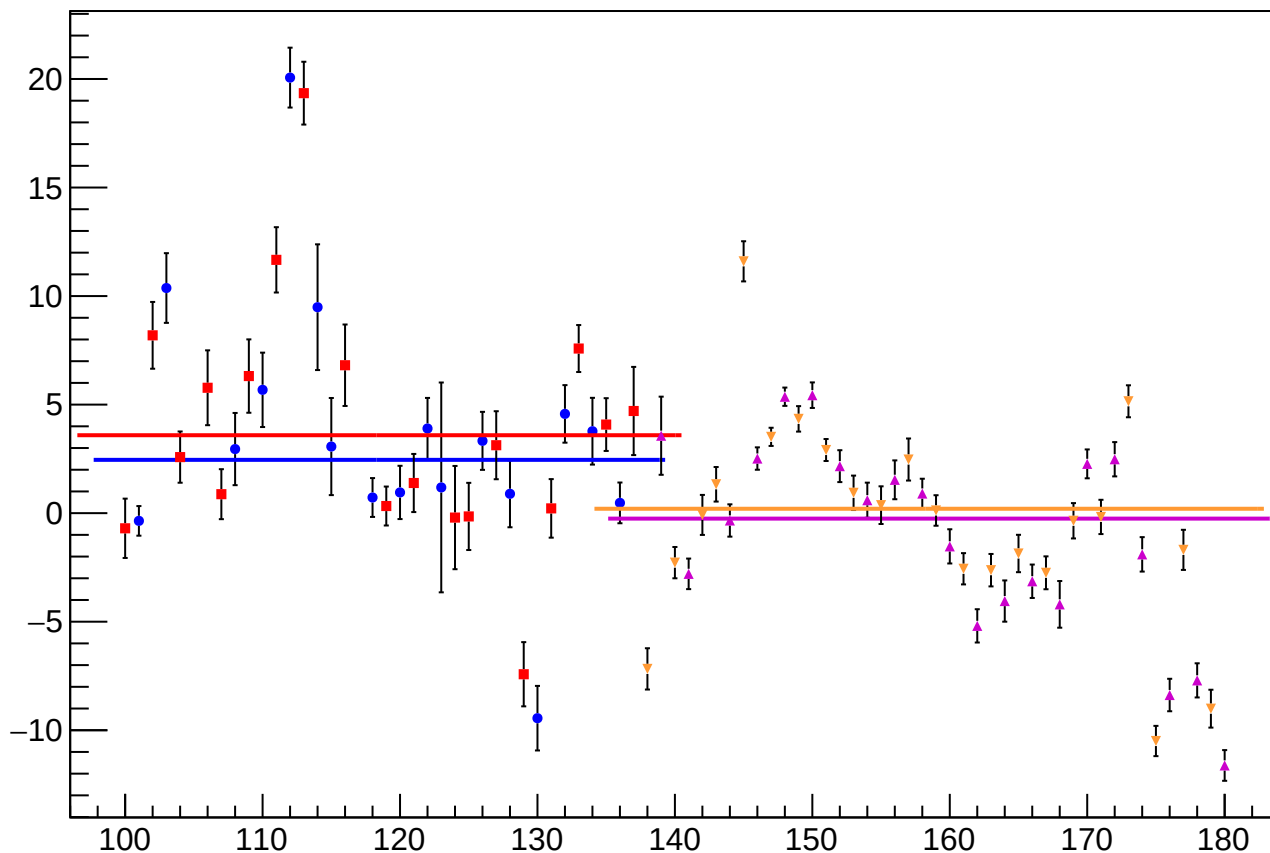
Left In: -27.857+/-0.208 χ^2/NDF : 2603.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -28.445+/-0.149 χ^2/NDF : 5020.4/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 0.203 ± 0.155 χ^2/NDF : 820.5/21

Right Out: 3.590 ± 0.318 χ^2/NDF : 279.8/18

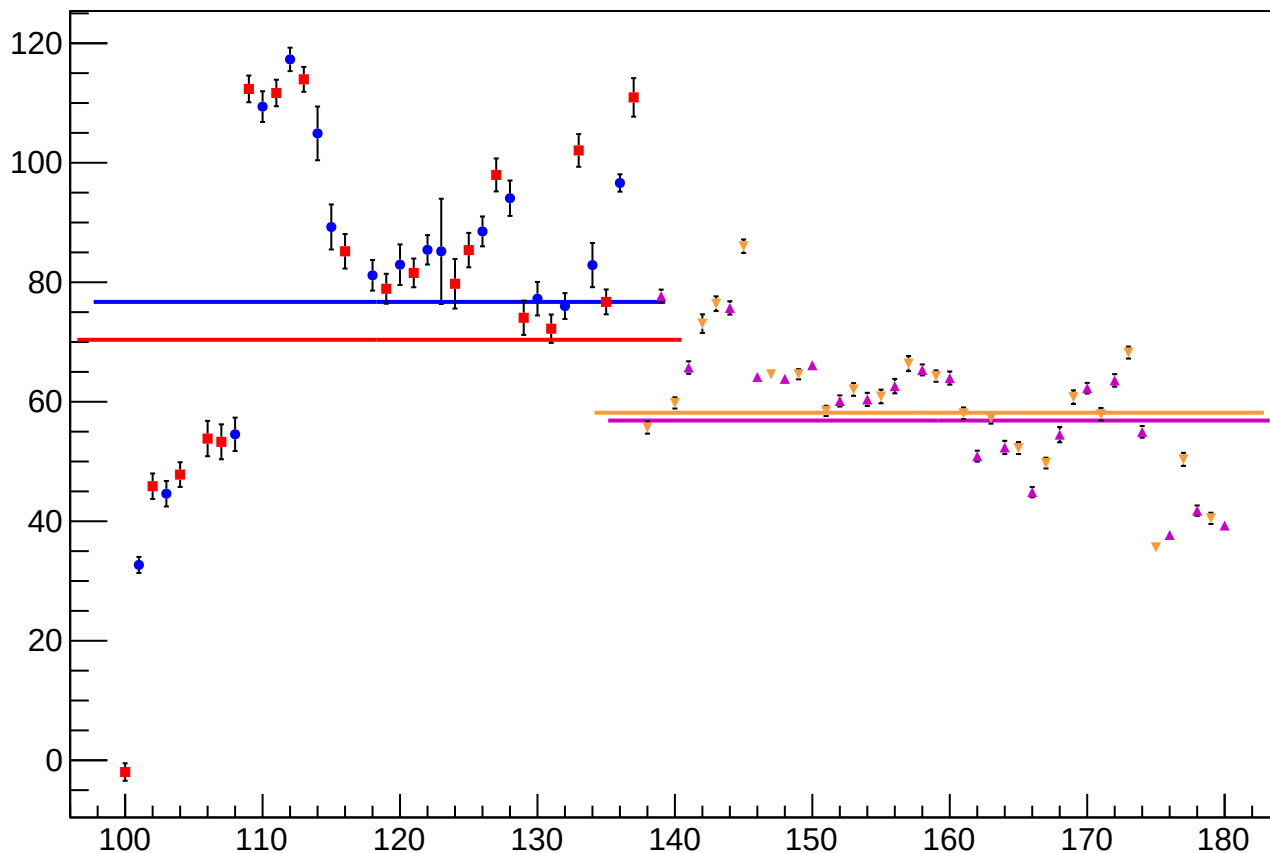
Left In: -0.251 ± 0.156 χ^2/NDF : 920.9/20

+ sign 0.641 ± 0.139 χ^2/NDF : 1155.3/38

All: 0.569 ± 0.099 χ^2/NDF : 2474.2/78

- sign 0.496 ± 0.140 χ^2/NDF : 1318.4/39

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 58.169 $\pm$ 0.211 χ^2 /NDF: 2747.1/21

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

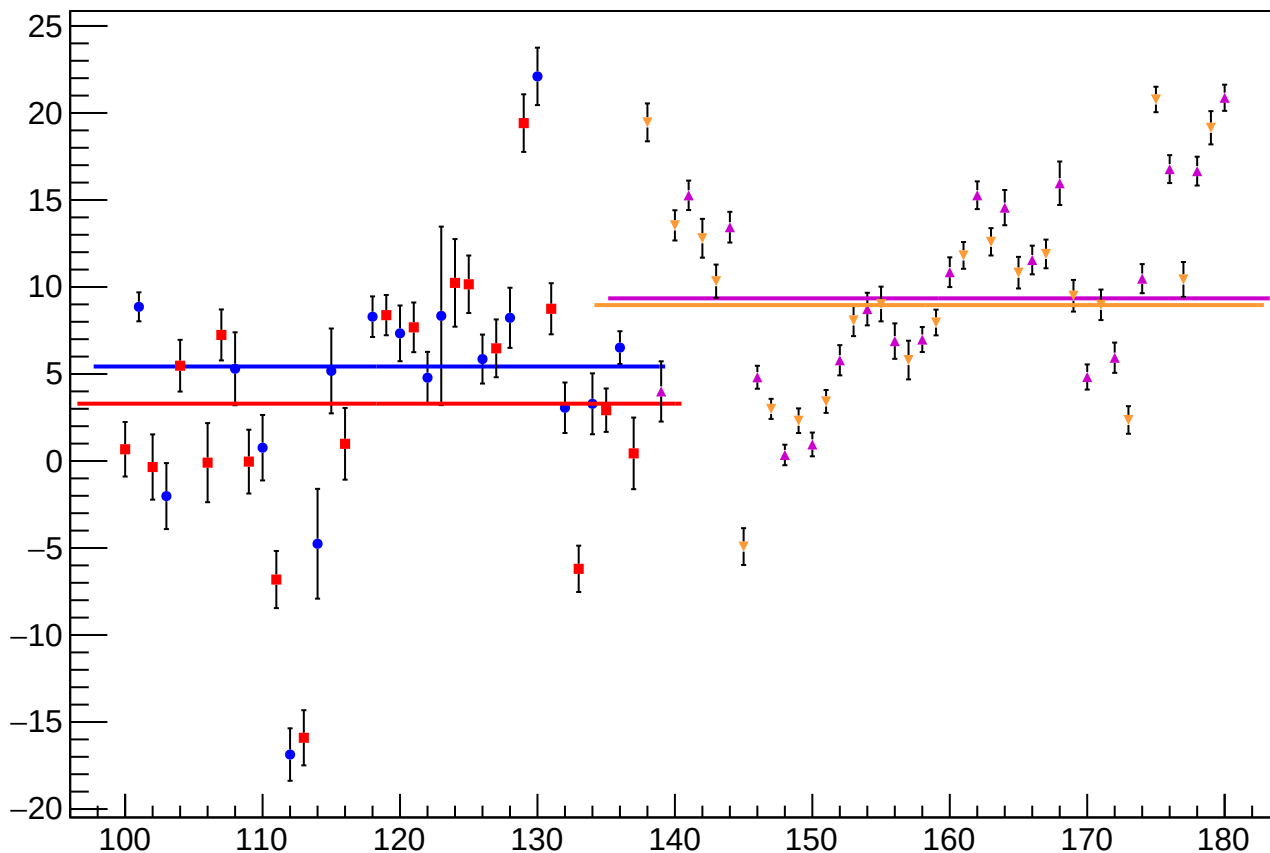
Left In: 56.857 $\pm$ 0.206 χ^2 /NDF: 2991.1/20

+ sign 60.363 $\pm$ 0.198 χ^2 /NDF: 5926.4/38

All: 59.413 $\pm$ 0.138 χ^2 /NDF: 13883.0/78

- sign 58.516 $\pm$ 0.193 χ^2 /NDF: 7912.0/39

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 8.960 ± 0.179 χ^2/NDF : 1081.8/21

Right Out: 3.295 ± 0.365 χ^2/NDF : 426.1/18

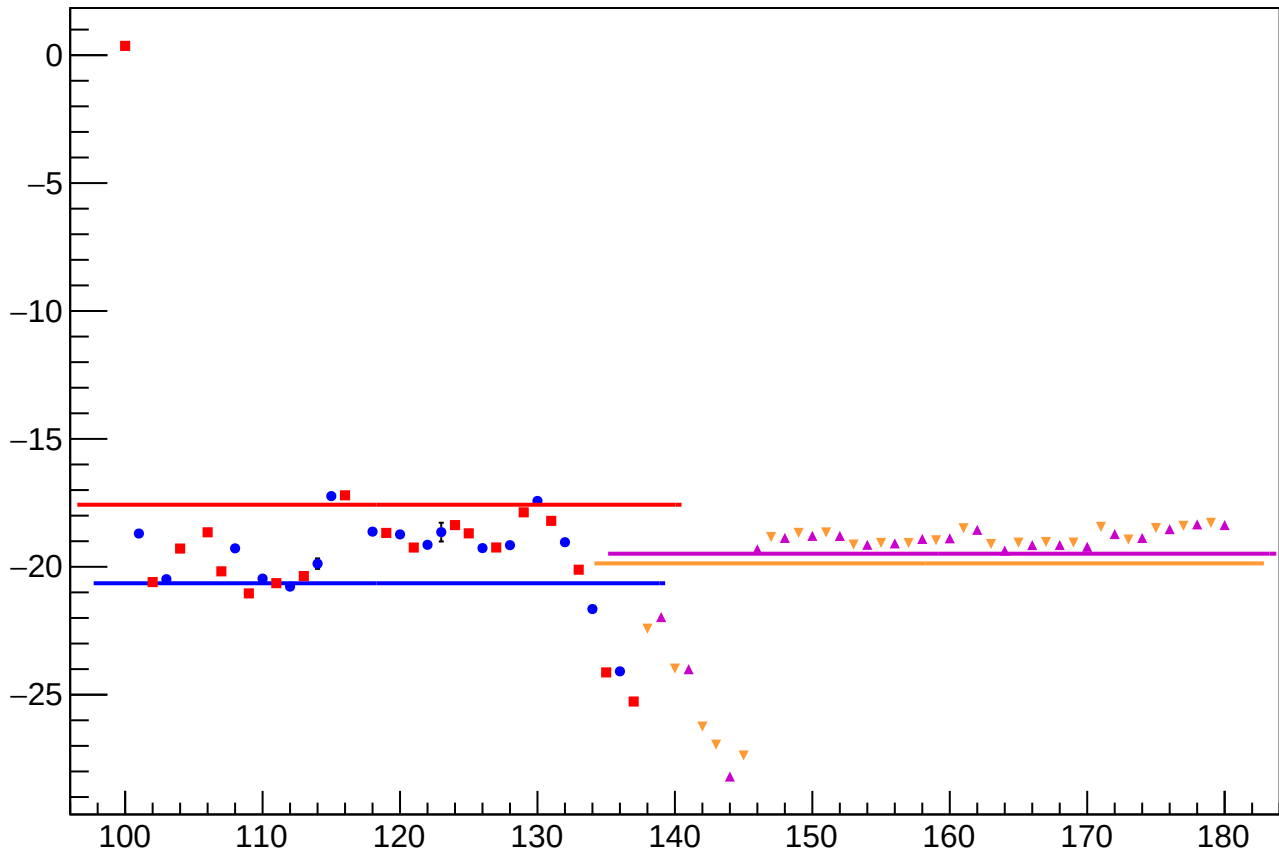
Left In: 9.347 ± 0.179 χ^2/NDF : 1120.2/20

+ sign 8.262 ± 0.160 χ^2/NDF : 1544.6/38

All: 8.218 ± 0.114 χ^2/NDF : 3312.5/78

- sign 8.173 ± 0.161 χ^2/NDF : 1767.8/39

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 χ^2/NDF : 12468.6/16

Left Out: -19.866 ± 0.008 χ^2/NDF : 86784.1/21

Right Out: -17.574 ± 0.018 χ^2/NDF : 178327.0/18

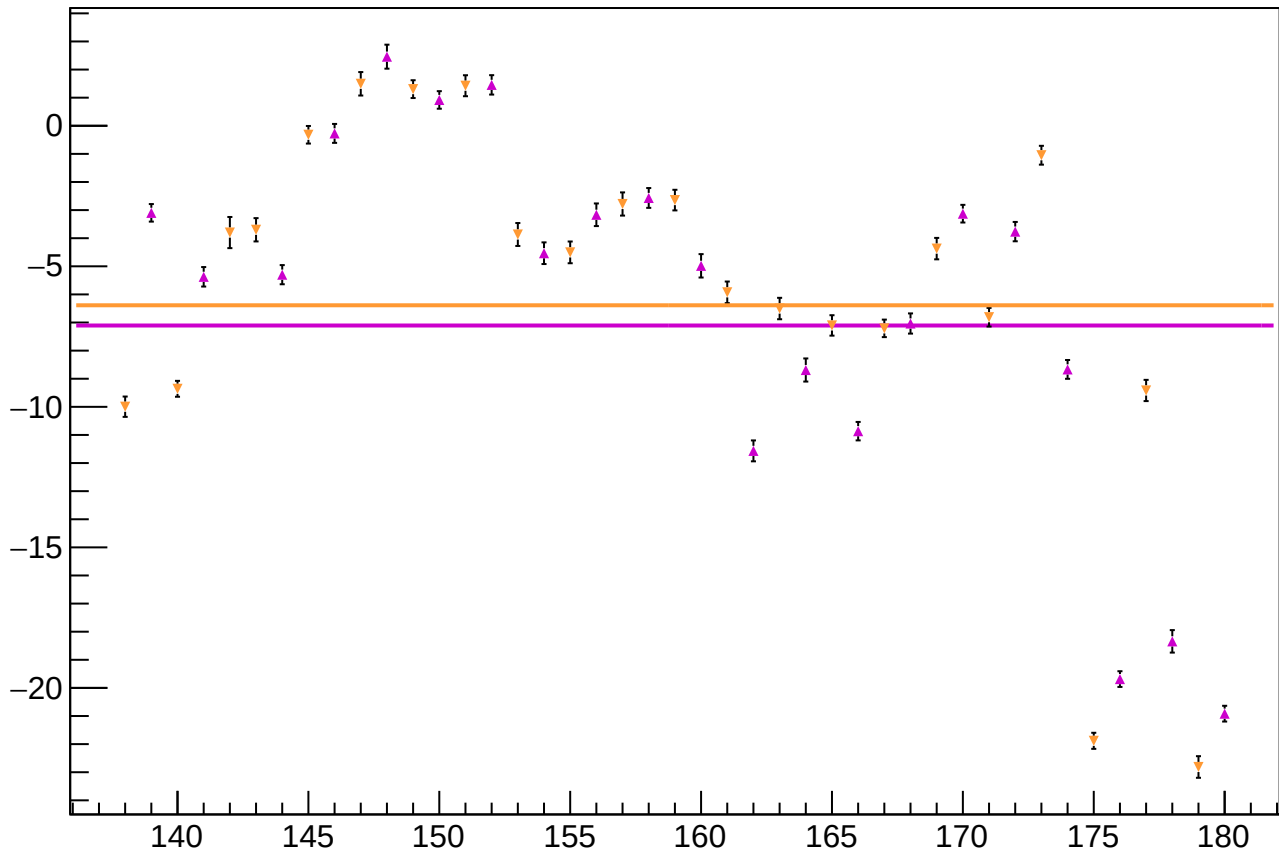
Left In: -19.488 ± 0.008 χ^2/NDF : 53141.1/20

+ sign -19.991 ± 0.008 χ^2/NDF : 100607.4/38

All: -19.560 ± 0.005 χ^2/NDF : 347360.5/78

- sign -19.152 ± 0.008 χ^2/NDF : 240754.3/39

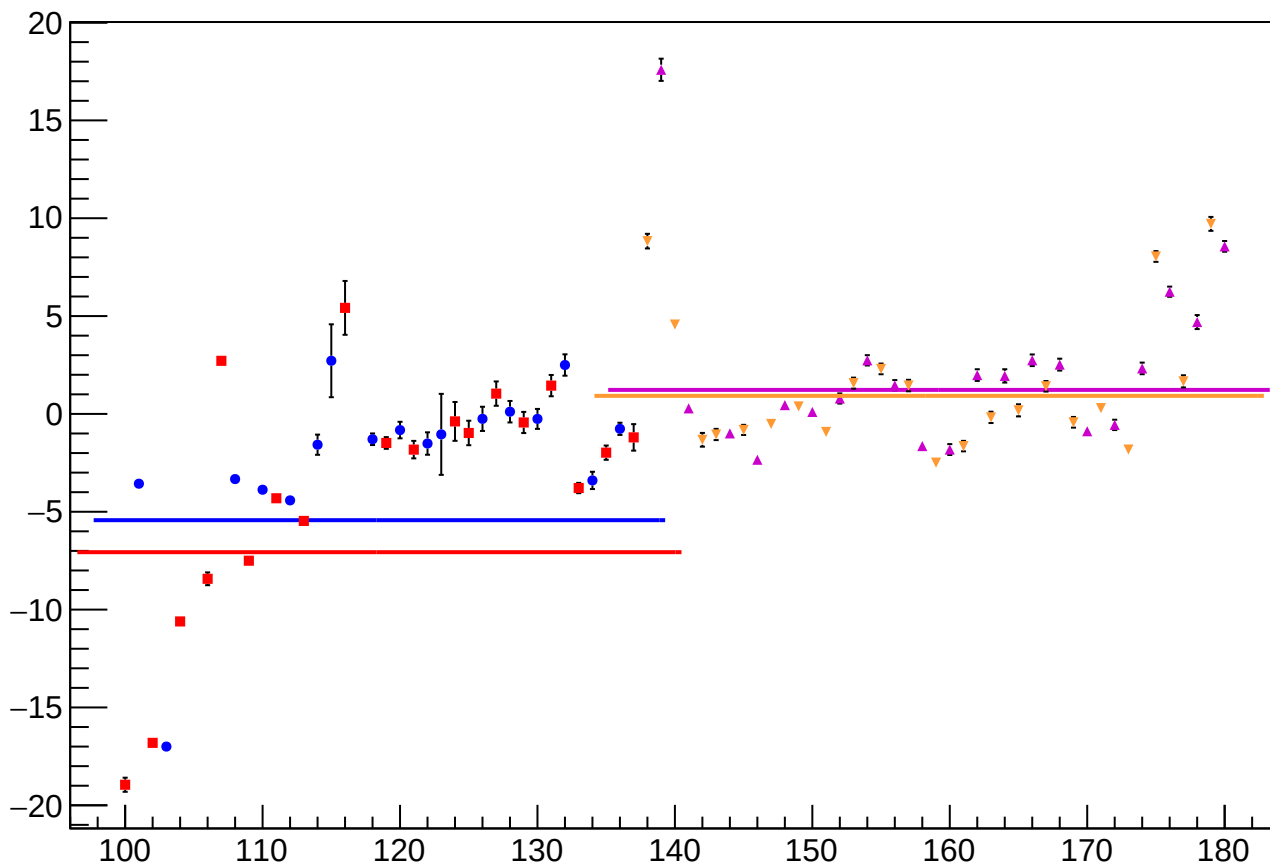
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -6.386 ± 0.077 $\chi^2/\text{NDF}: 7399.4/21$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -7.106 ± 0.075 $\chi^2/\text{NDF}: 8547.0/20$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 All: -6.752 ± 0.054 $\chi^2/\text{NDF}: 15991.4/42$
 - sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 0.923 ± 0.057 χ^2/NDF : 2708.1/21

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

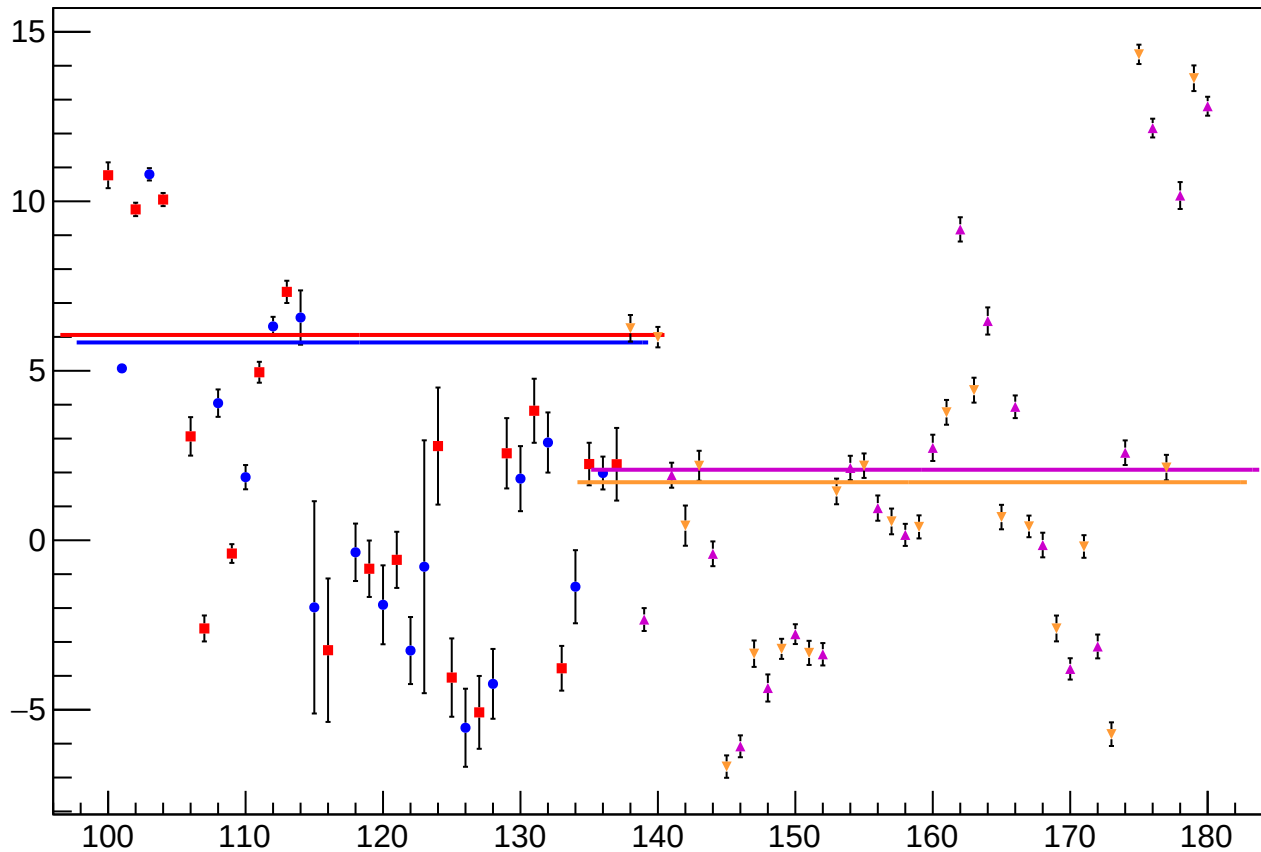
Left In: 1.227 ± 0.058 χ^2/NDF : 2921.5/20

+ sign -2.374 ± 0.040 χ^2/NDF : 18394.6/38

All: -2.602 ± 0.029 χ^2/NDF : 43723.4/78

- sign -2.852 ± 0.041 χ^2/NDF : 25259.1/39

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: 1.713 ± 0.076 $\chi^2/\text{NDF}: 5326.9/21$

Right Out: 6.057 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

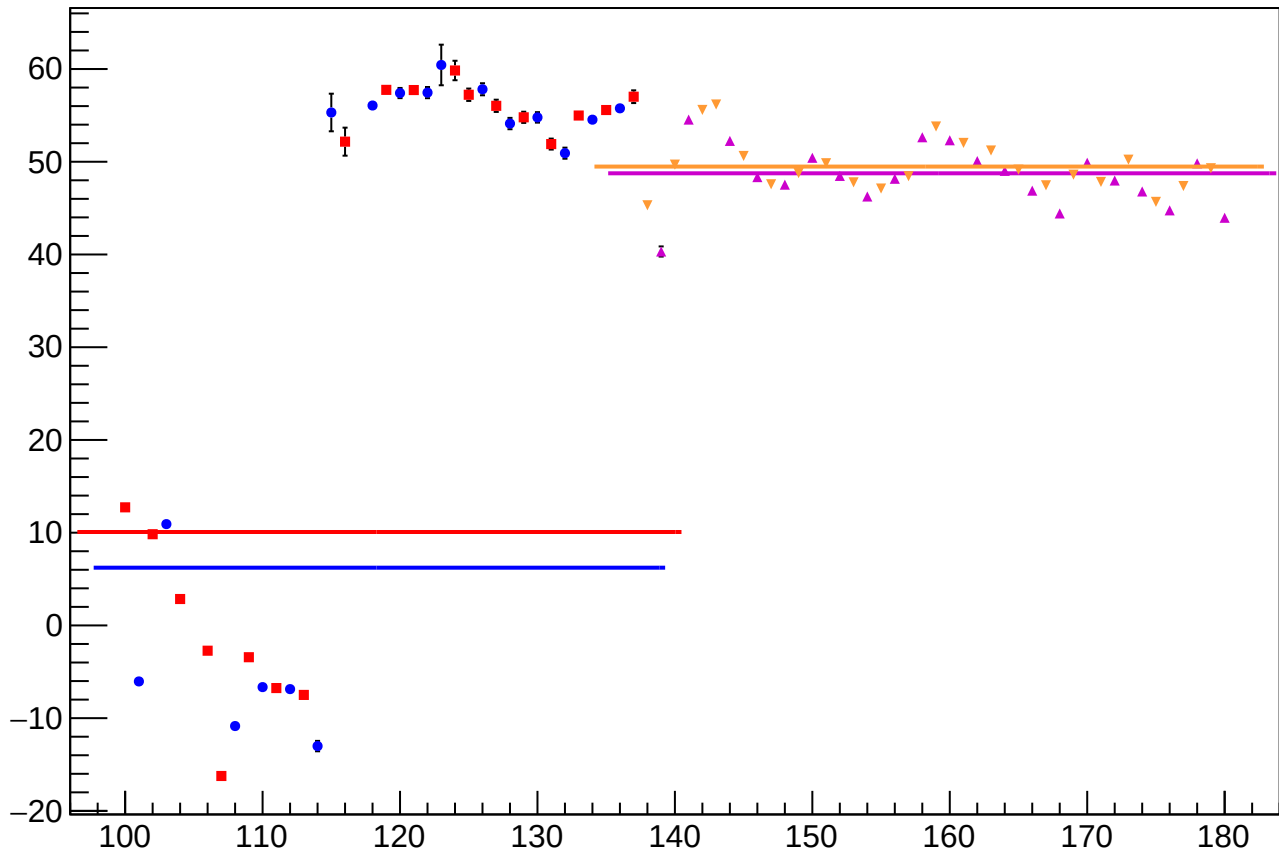
Left In: 2.081 ± 0.075 $\chi^2/\text{NDF}: 6079.4/20$

+ sign 3.435 ± 0.058 $\chi^2/\text{NDF}: 7999.7/38$

All: 3.532 ± 0.041 $\chi^2/\text{NDF}: 17862.1/78$

- sign 3.630 ± 0.058 $\chi^2/\text{NDF}: 9856.7/39$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 $\pm$ 0.065 χ^2 /NDF: 120955.1/16

Left Out: 49.480 $\pm$ 0.065 χ^2 /NDF:1538.2/21

Right Out: 10.075 $\pm$ 0.070 χ^2 /NDF: 122049.3/18

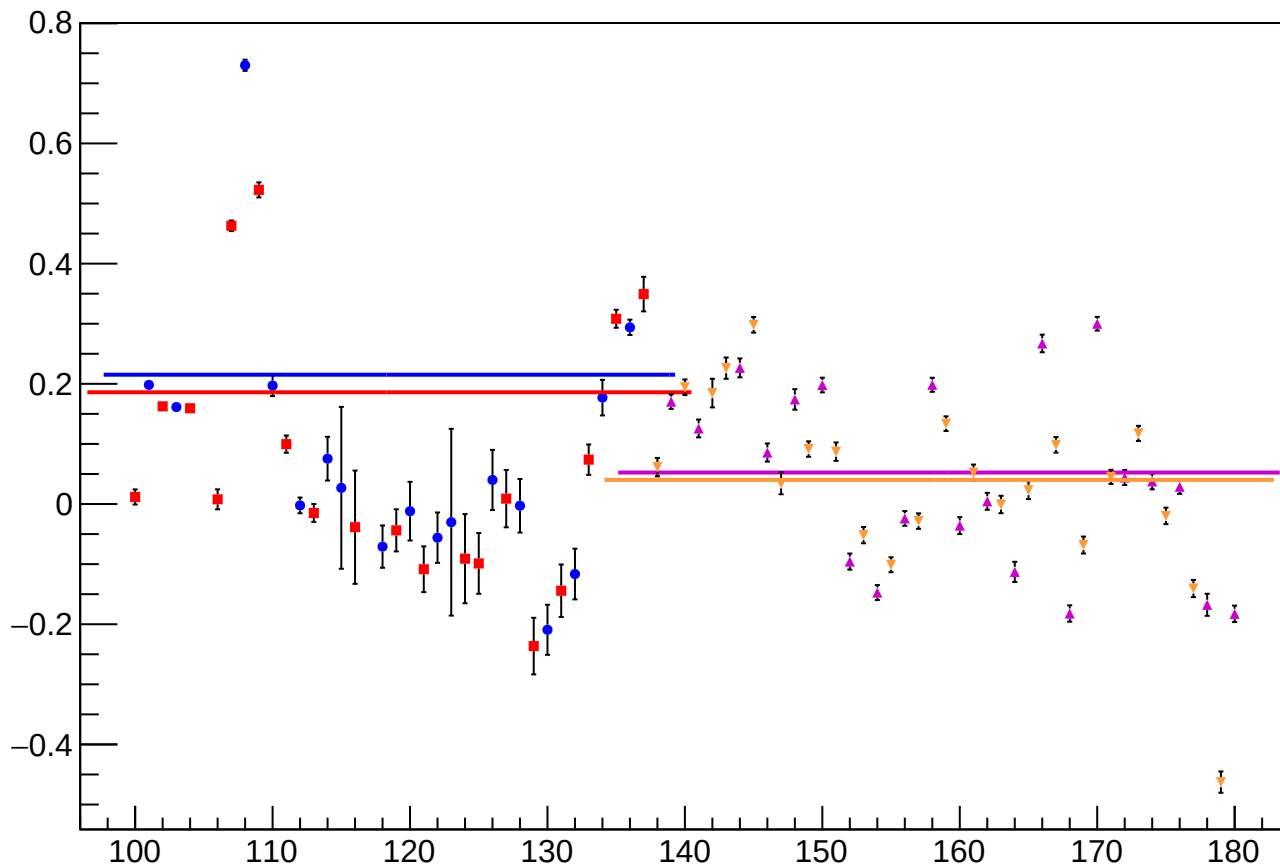
Left In: 48.754 $\pm$ 0.066 χ^2 /NDF:2022.6/20

+ sign 27.766 $\pm$ 0.046 χ^2 /NDF: 344168.1/38

All: 29.116 $\pm$ 0.033 χ^2 /NDF: 633112.0/78

- sign 30.579 $\pm$ 0.048 χ^2 /NDF: 287143.7/39

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.040 $\pm$ 0.003 χ^2 /NDF:2083.0/21

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

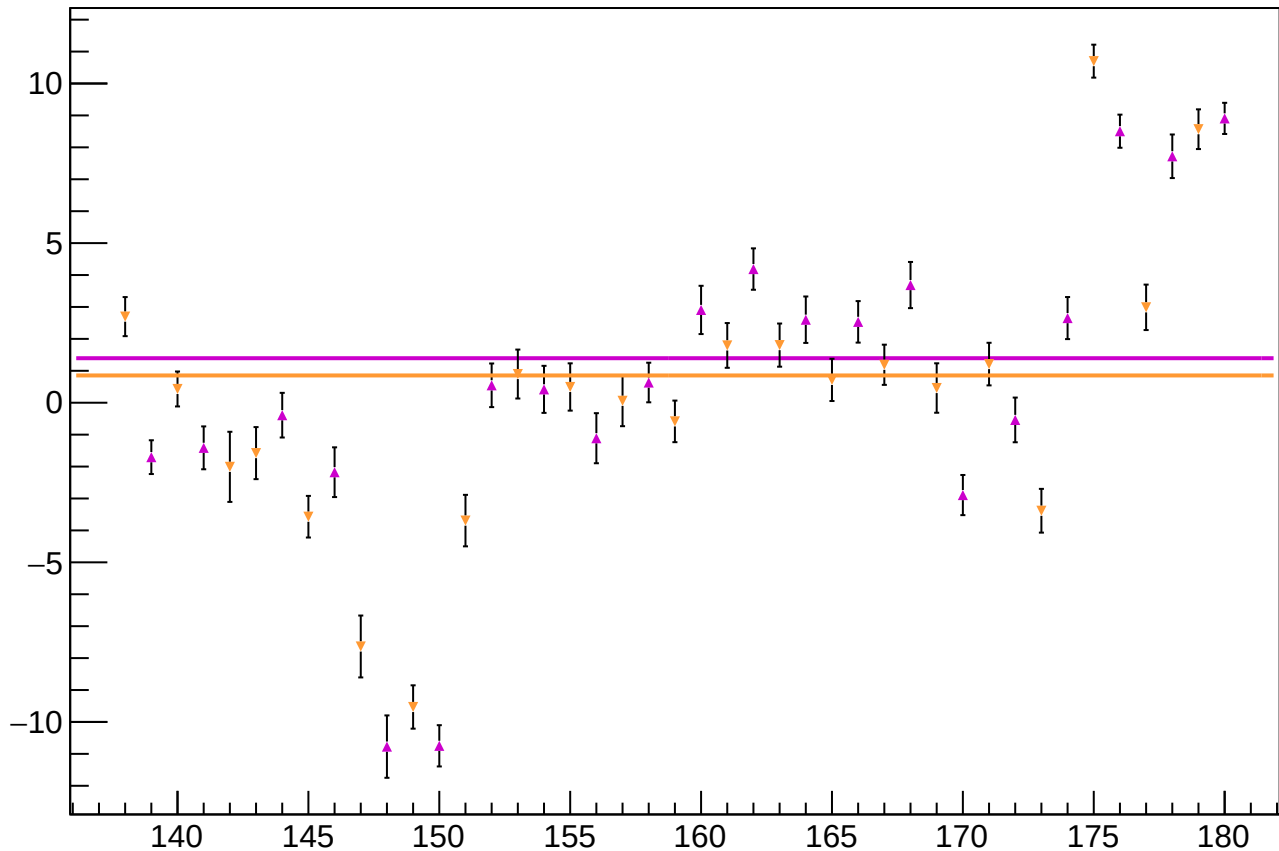
Left In: 0.052 $\pm$ 0.003 χ^2 /NDF:2581.1/20

+ sign 0.134 $\pm$ 0.002 χ^2 /NDF: 7854.2/38

All: 0.130 $\pm$ 0.001 χ^2 /NDF: 14282.7/78

- sign 0.125 $\pm$ 0.002 χ^2 /NDF: 6418.5/39

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: 0.854 $\pm$ 0.147 χ^2 /NDF:989.4/21

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

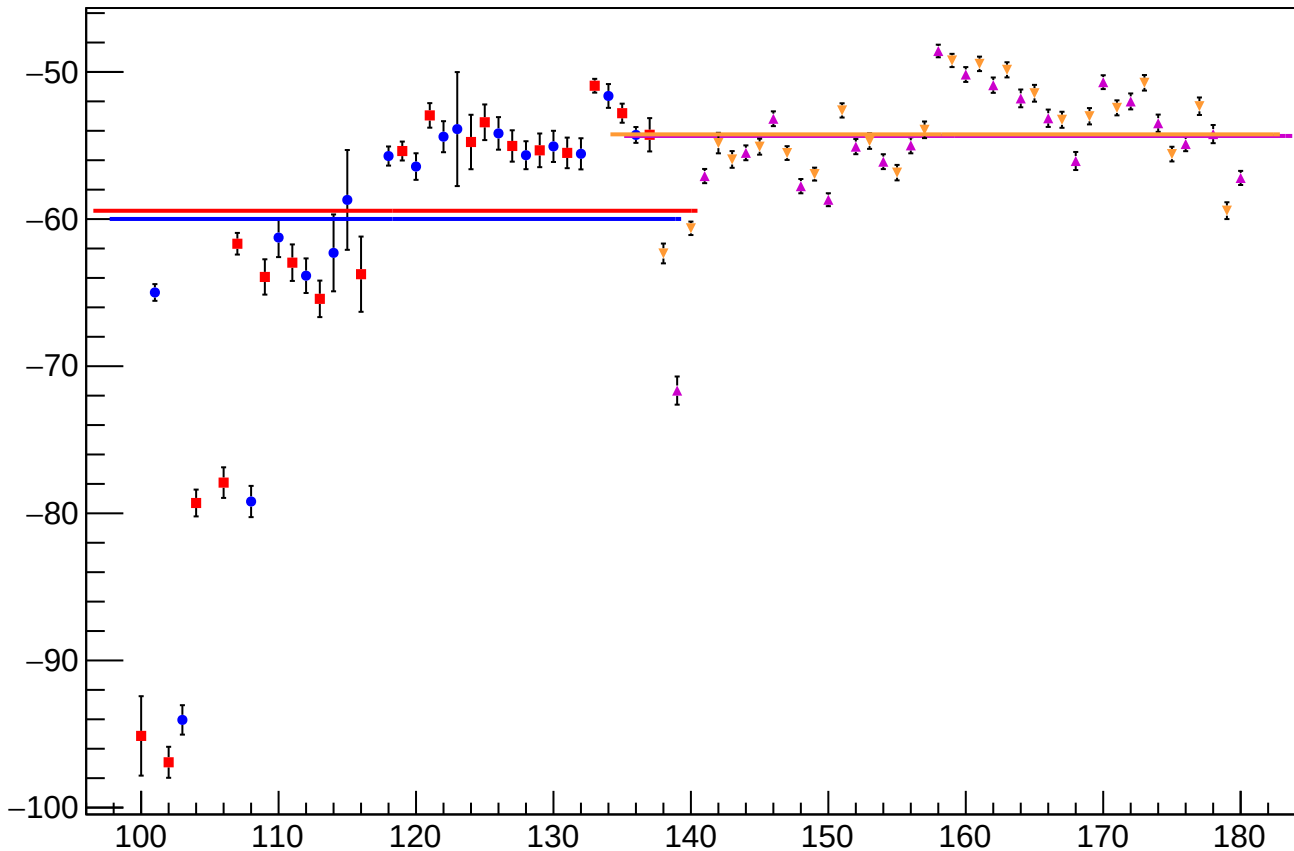
Left In: 1.394 $\pm$ 0.144 χ^2 /NDF:1208.9/20

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

All: 1.130 $\pm$ 0.103 χ^2 /NDF: 2205.2/42

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

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.241 ± 0.112 χ^2/NDF : 914.0/21

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

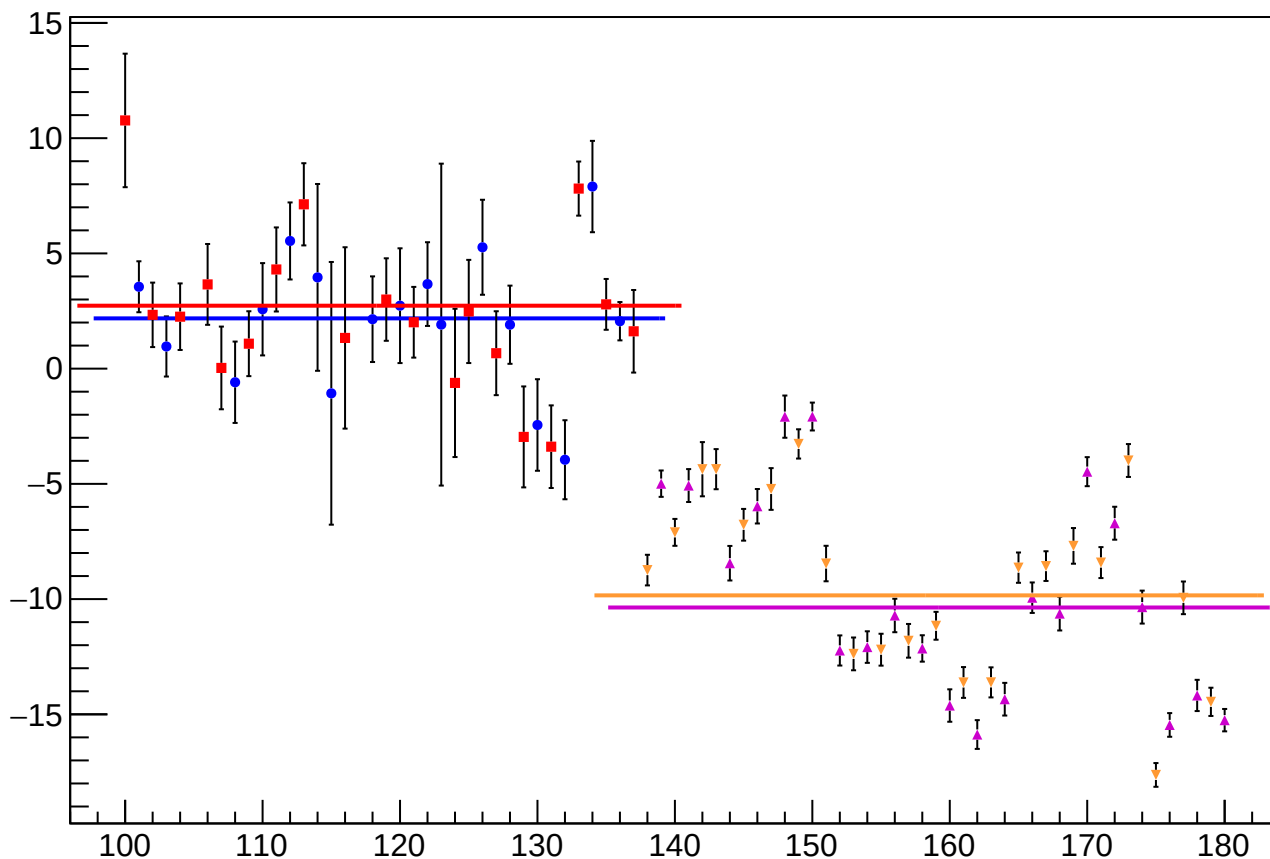
Left In: -54.350 ± 0.114 χ^2/NDF : 972.1/20

+ sign -55.384 ± 0.100 χ^2/NDF : 3410.5/38

All: -55.437 ± 0.071 χ^2/NDF : 7747.8/78

- sign -55.490 ± 0.100 χ^2/NDF : 4336.7/39

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -9.838 ± 0.146 $\chi^2/\text{NDF}: 716.2/21$

Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -10.364 ± 0.142 $\chi^2/\text{NDF}: 969.7/20$

+ sign -8.462 ± 0.137 $\chi^2/\text{NDF}: 1532.6/38$

All: -8.640 ± 0.096 $\chi^2/\text{NDF}: 3568.5/78$

- sign -8.809 ± 0.134 $\chi^2/\text{NDF}: 2032.6/39$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -38.213 ± 0.127 $\chi^2/\text{NDF}: 873.7/21$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

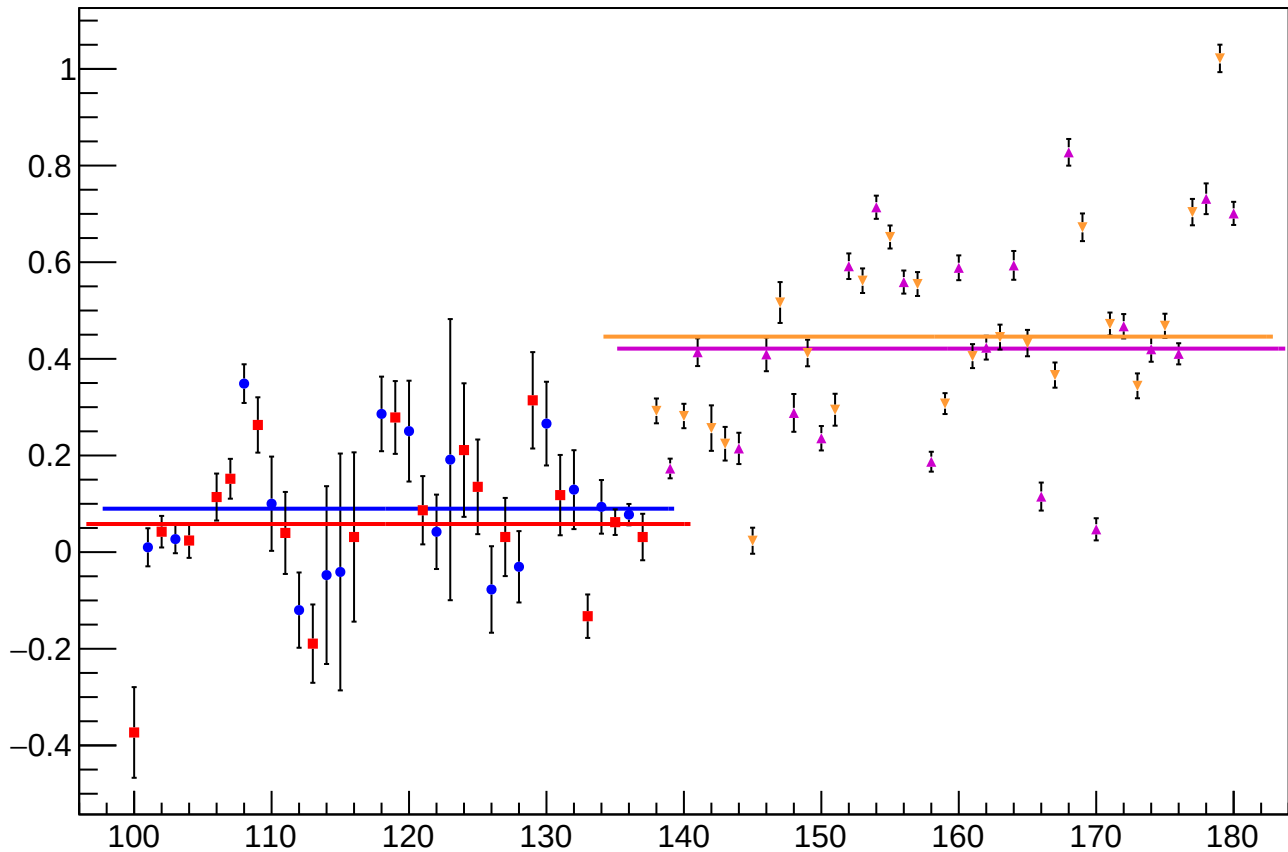
Left In: -37.765 ± 0.127 $\chi^2/\text{NDF}: 1039.3/20$

+ sign -37.124 ± 0.113 $\chi^2/\text{NDF}: 5896.2/38$

All: -36.882 ± 0.080 $\chi^2/\text{NDF}: 13352.6/78$

- sign -36.643 ± 0.113 $\chi^2/\text{NDF}: 7447.4/39$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.446 ± 0.006 χ^2/NDF : 1153.2/21

Right Out: 0.058 ± 0.012 χ^2/NDF : 87.1/18

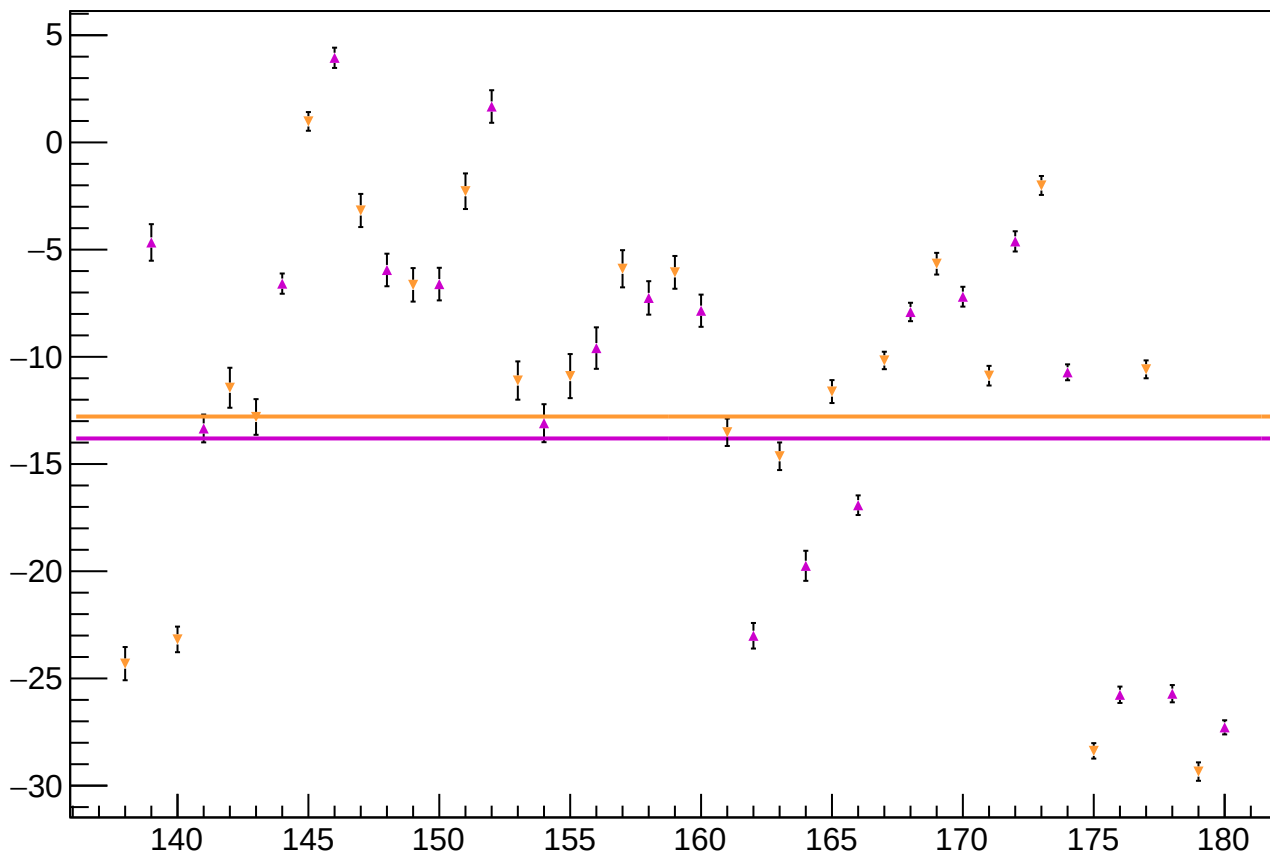
Left In: 0.421 ± 0.006 χ^2/NDF : 1513.3/20

+ sign 0.386 ± 0.005 χ^2/NDF : 1880.6/38

All: 0.371 ± 0.004 χ^2/NDF : 4228.8/78

- sign 0.357 ± 0.005 χ^2/NDF : 2332.8/39

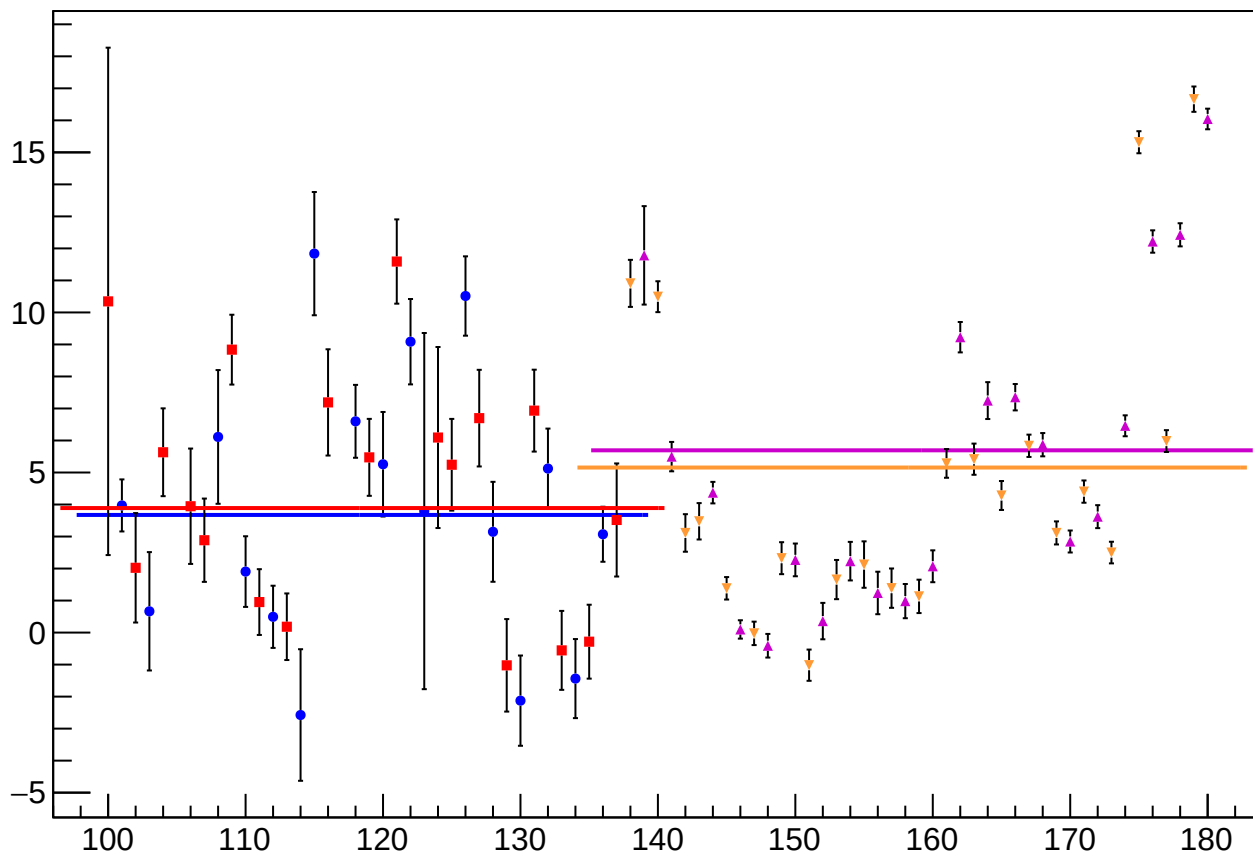
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -12.784+/-0.120 χ^2/NDF : 6299.0/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -13.807+/-0.114 χ^2/NDF : 7242.9/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -13.323+/-0.083 χ^2/NDF : 13580.2/42
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 $\pm$ 0.310 χ^2 /NDF: 135.2/16

Left Out: 5.155 $\pm$ 0.092 χ^2 /NDF: 2688.3/21

Right Out: 3.890 $\pm$ 0.316 χ^2 /NDF: 133.7/18

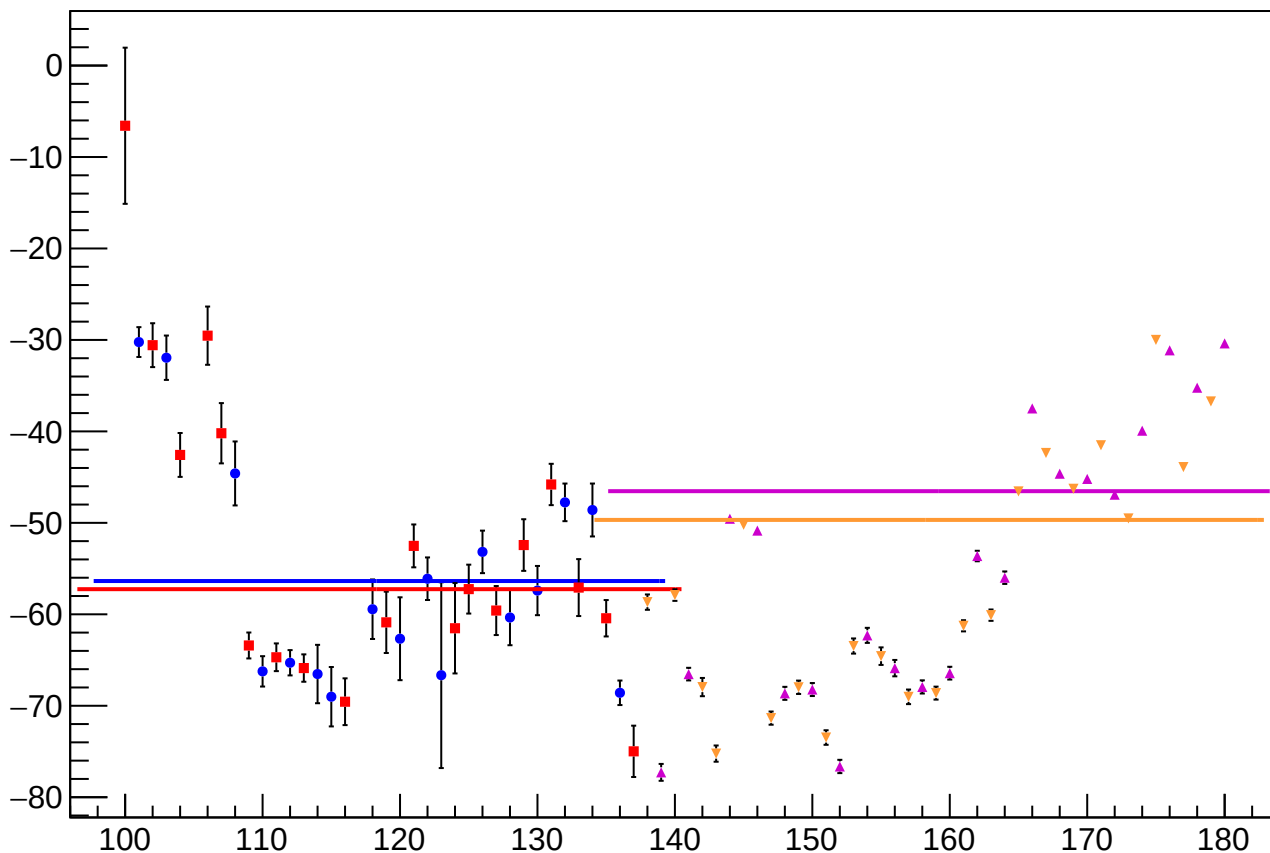
Left In: 5.693 $\pm$ 0.089 χ^2 /NDF: 2941.9/20

+ sign 5.035 $\pm$ 0.088 χ^2 /NDF: 2844.4/38

All: 5.305 $\pm$ 0.062 χ^2 /NDF: 5968.2/78

- sign 5.560 $\pm$ 0.086 χ^2 /NDF: 3105.7/39

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -49.679 ± 0.120 χ^2/NDF : 11125.2/21

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

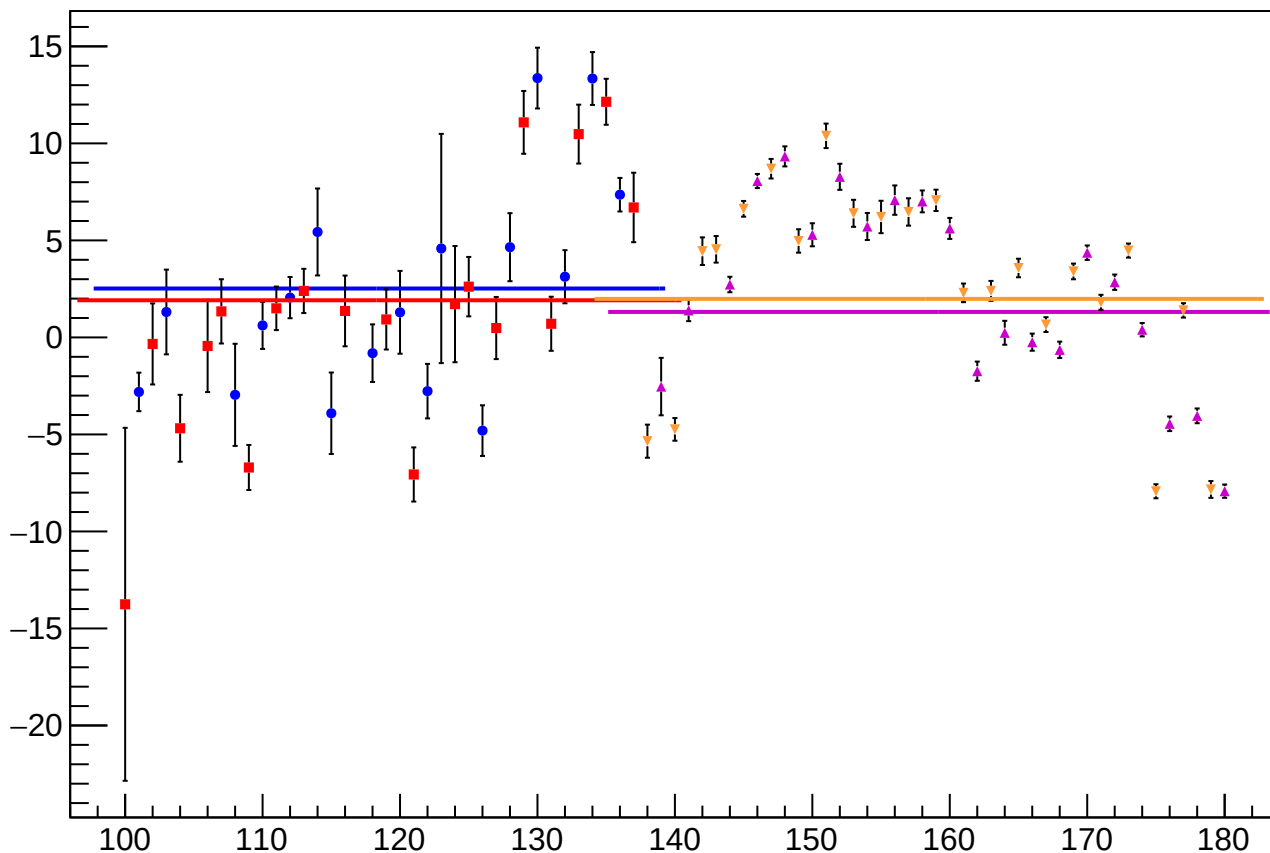
Left In: -46.537 ± 0.114 χ^2/NDF : 14107.3/20

+ sign -49.991 ± 0.117 χ^2/NDF : 11856.7/38

All: -48.415 ± 0.081 χ^2/NDF : 27164.5/78

- sign -46.998 ± 0.111 χ^2/NDF : 14965.5/39

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 1.985 ± 0.104 χ^2/NDF : 2283.4/21

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

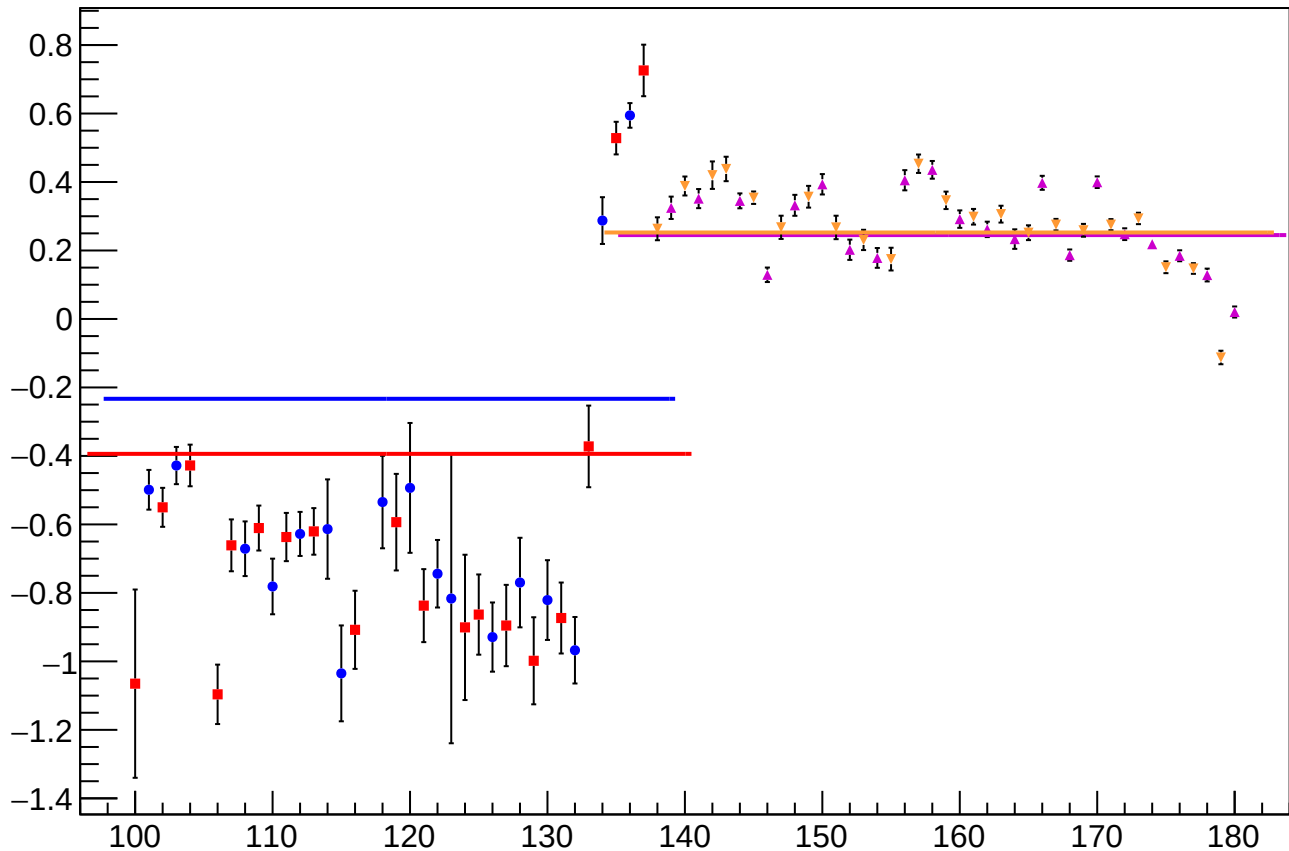
Left In: 1.313 ± 0.101 χ^2/NDF : 2341.4/20

+ sign 2.029 ± 0.100 χ^2/NDF : 2527.9/38

All: 1.684 ± 0.069 χ^2/NDF : 5159.9/78

- sign 1.358 ± 0.097 χ^2/NDF : 2608.6/39

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.253 ± 0.005 χ^2/NDF : 626.4/21

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

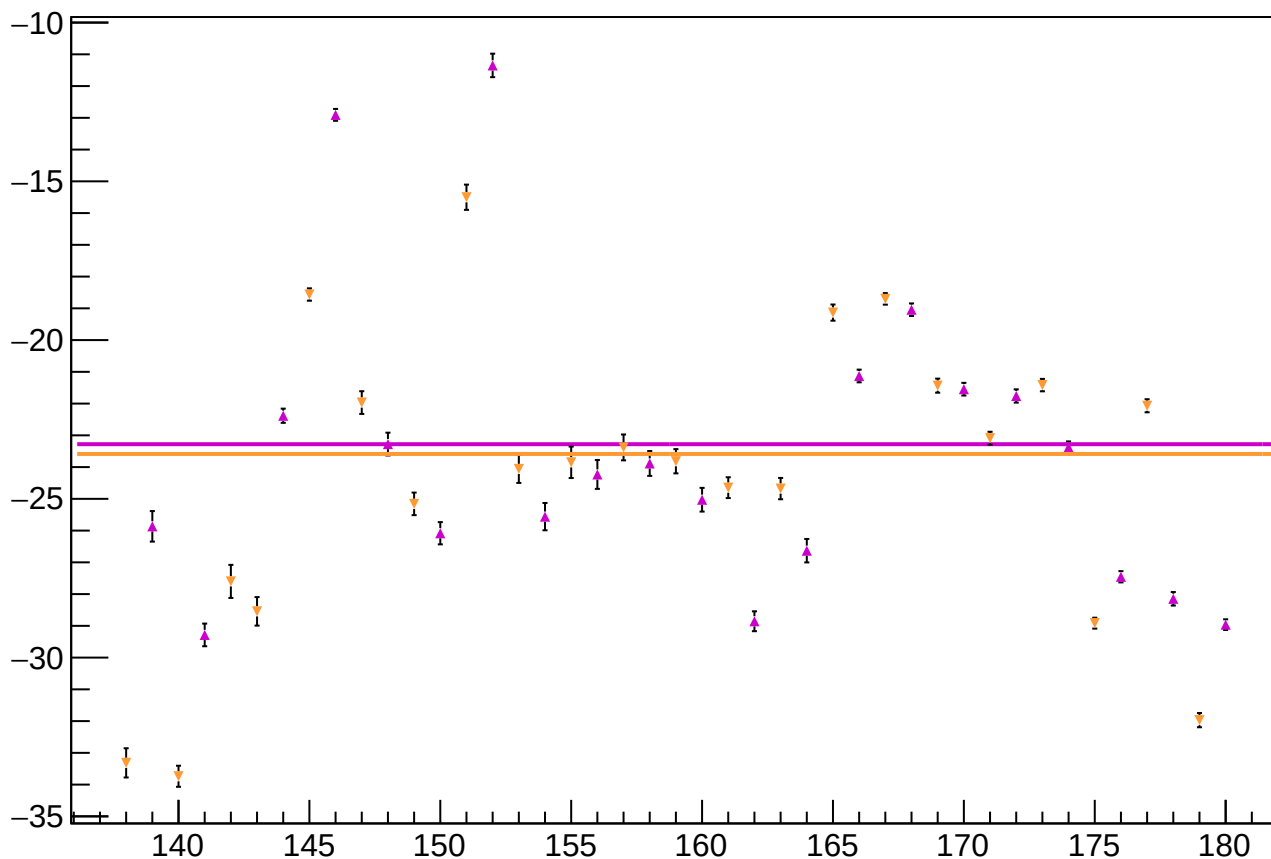
Left In: 0.245 ± 0.005 χ^2/NDF : 600.9/20

+ sign 0.223 ± 0.005 χ^2/NDF : 2203.7/38

All: 0.216 ± 0.003 χ^2/NDF : 4723.3/78

- sign 0.209 ± 0.004 χ^2/NDF : 2514.7/39

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -23.586+/-0.057 χ^2/NDF : 6369.8/21

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

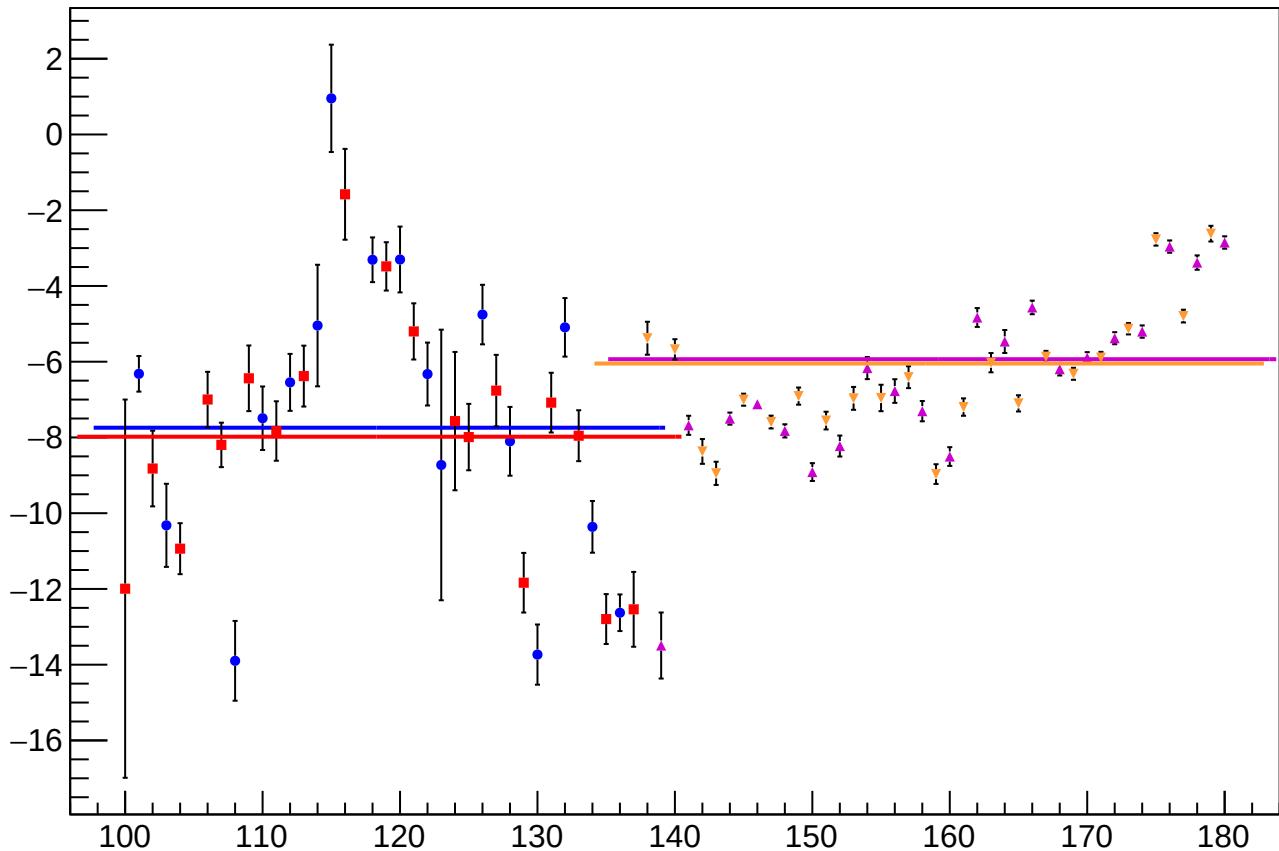
Left In: -23.279+/-0.054 χ^2/NDF : 7881.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -23.424+/-0.039 χ^2/NDF : 14266.1/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -6.048 ± 0.044 χ^2/NDF : 1280.0/21

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

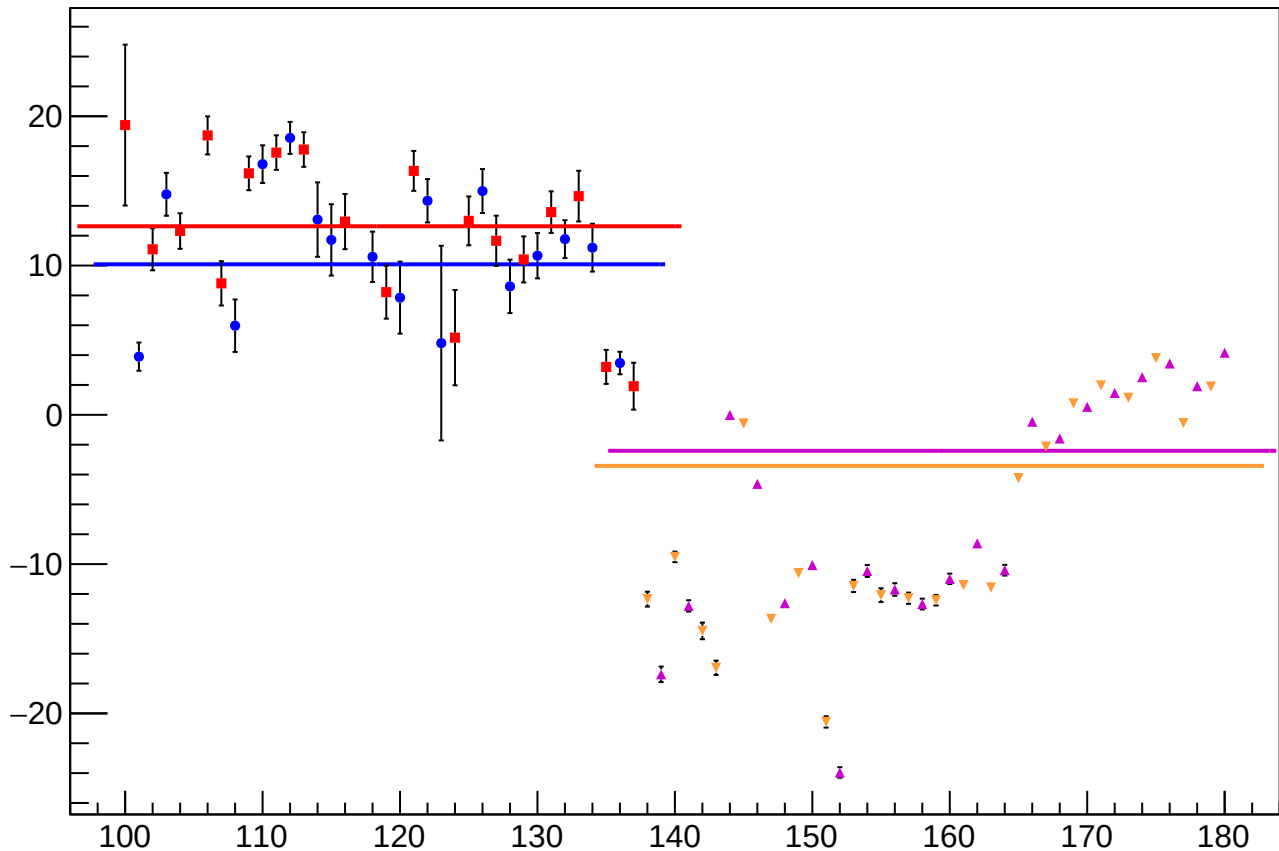
Left In: -5.934 ± 0.042 χ^2/NDF : 1793.6/20

+ sign -6.137 ± 0.043 χ^2/NDF : 1735.3/38

All: -6.083 ± 0.030 χ^2/NDF : 3870.8/78

- sign -6.034 ± 0.041 χ^2/NDF : 2132.5/39

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -3.420 ± 0.057 χ^2/NDF : 12808.6/21

Right Out: 12.632 ± 0.333 χ^2/NDF : 218.6/18

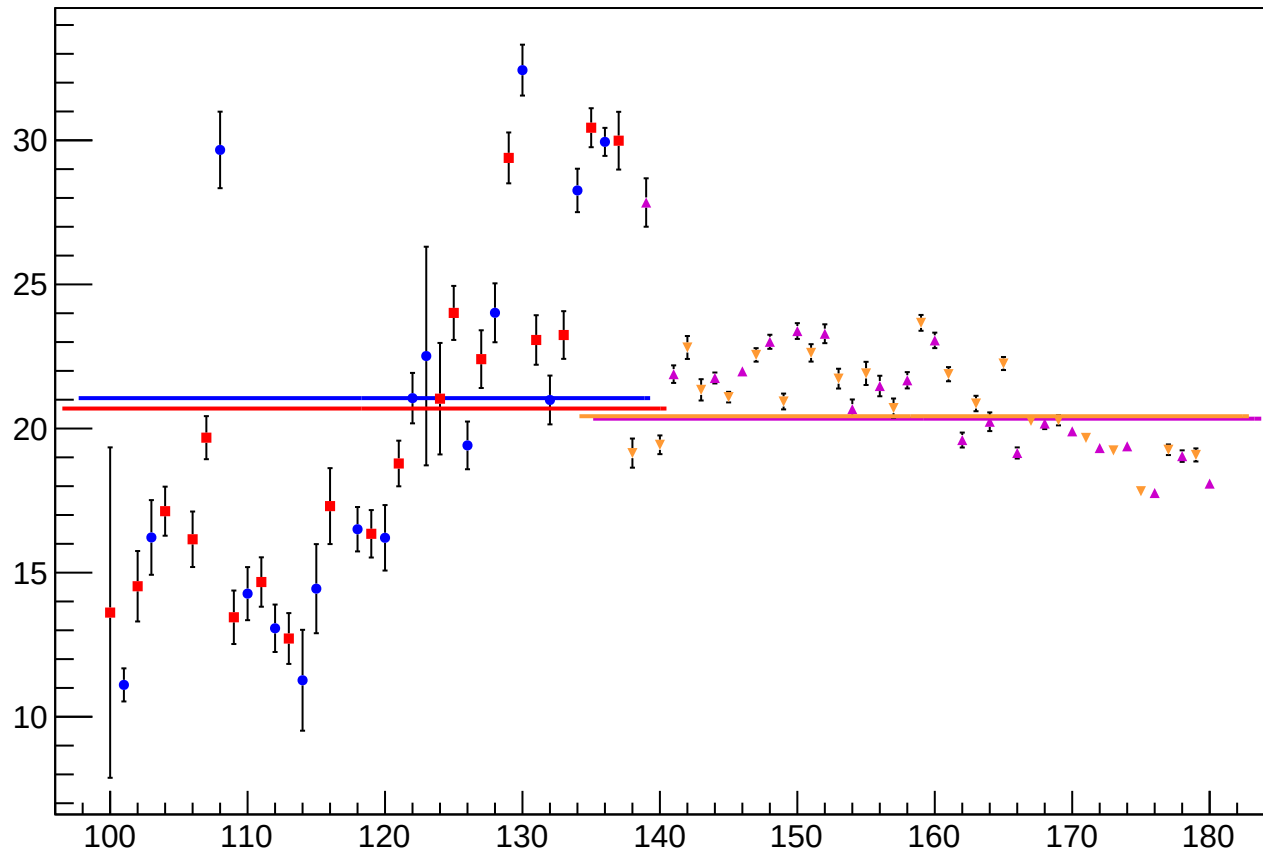
Left In: -2.409 ± 0.054 χ^2/NDF : 14569.9/20

+ sign -3.042 ± 0.057 χ^2/NDF : 14613.2/38

All: -2.503 ± 0.039 χ^2/NDF : 31565.7/78

- sign -2.023 ± 0.053 χ^2/NDF : 16780.3/39

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055 $\pm$ 0.211 χ^2/NDF : 1211.8/16

Left Out: 20.427 $\pm$ 0.050 χ^2/NDF : 857.1/21

Right Out: 20.694 $\pm$ 0.213 χ^2/NDF : 724.1/18

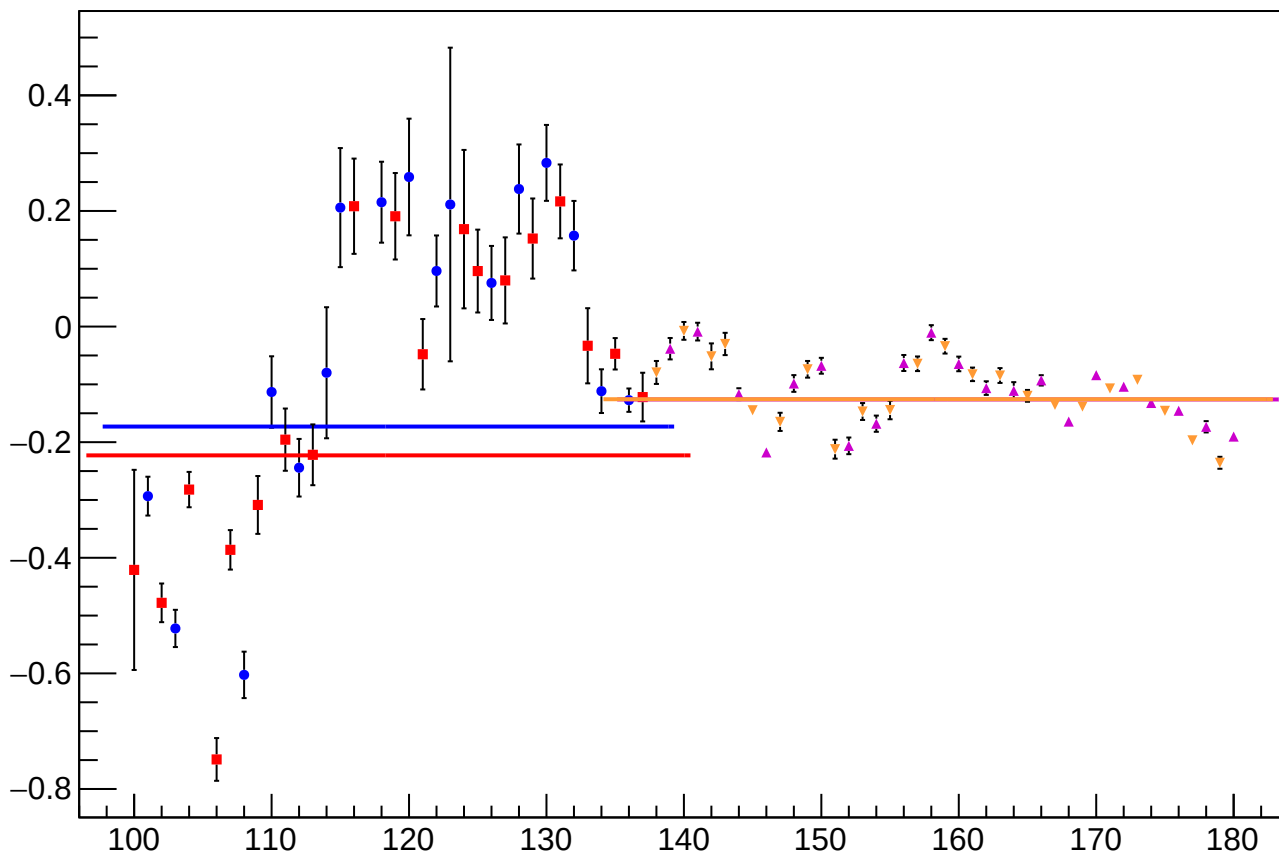
Left In: 20.342 $\pm$ 0.048 χ^2/NDF : 1290.5/20

+ sign 20.460 $\pm$ 0.048 χ^2/NDF : 2077.2/38

All: 20.407 $\pm$ 0.033 χ^2/NDF : 4096.7/78

- sign 20.359 $\pm$ 0.046 χ^2/NDF : 2017.2/39

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.126 ± 0.002 χ^2/NDF : 490.6/21

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

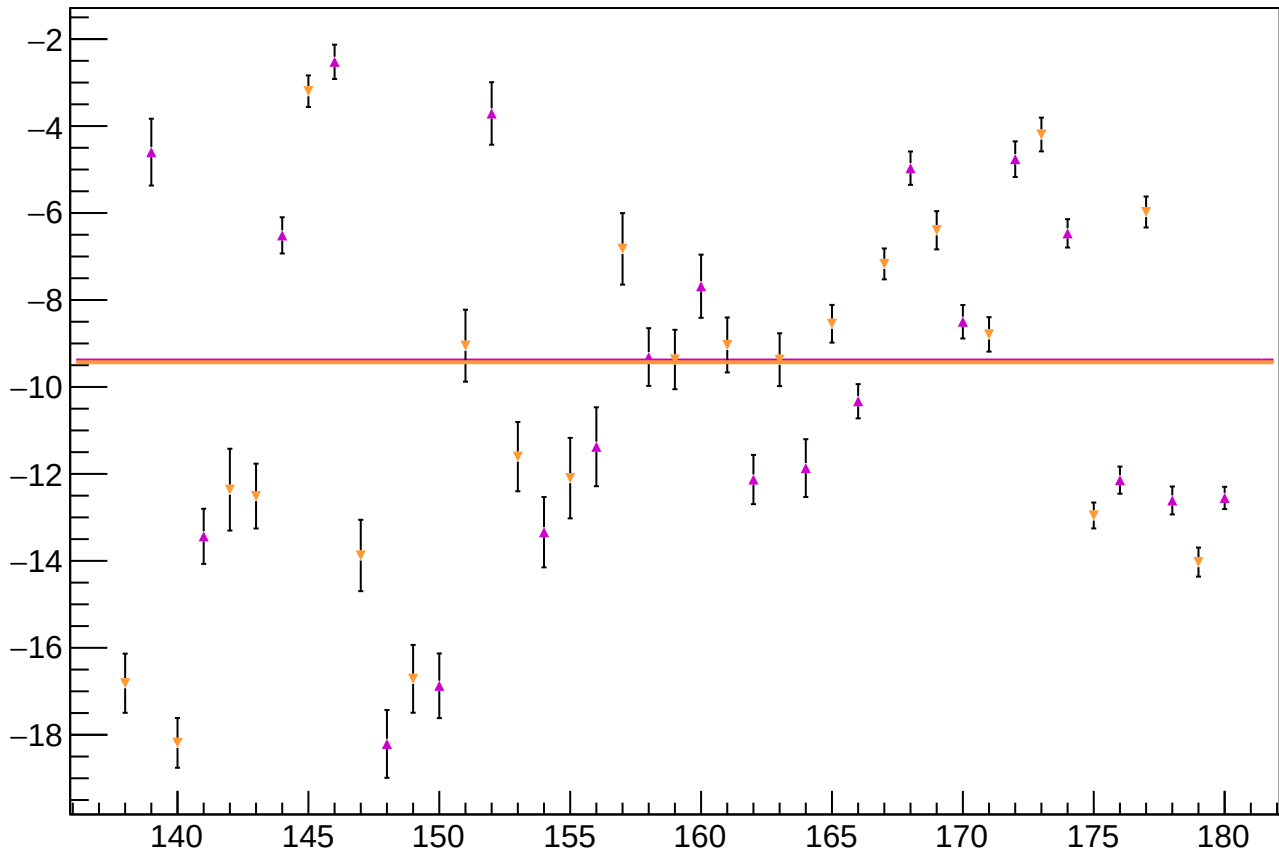
Left In: -0.126 ± 0.002 χ^2/NDF : 561.4/20

+ sign -0.128 ± 0.002 χ^2/NDF : 969.5/38

All: -0.129 ± 0.002 χ^2/NDF : 2141.6/78

- sign -0.130 ± 0.002 χ^2/NDF : 1171.5/39

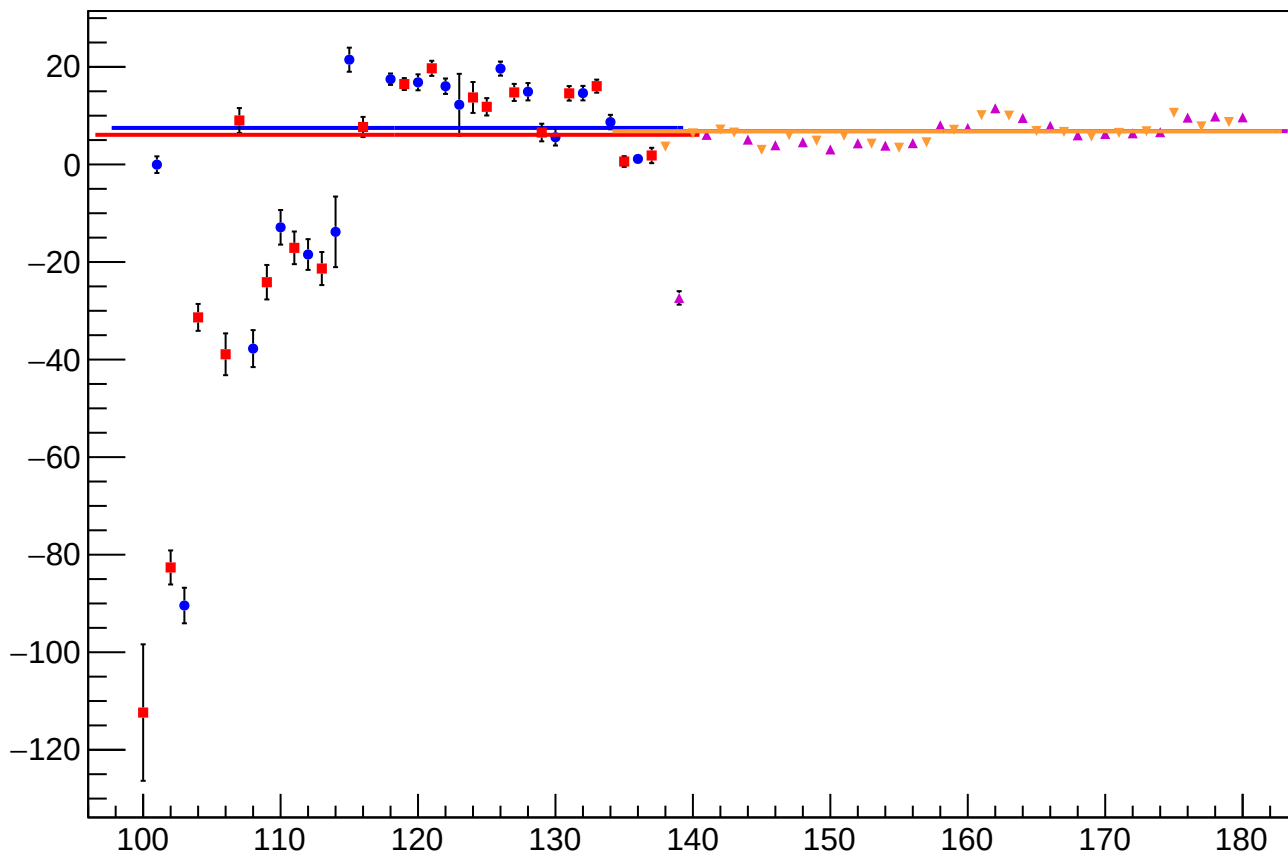
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.432+/-0.105 χ^2/NDF :1518.4/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -9.392+/-0.098 χ^2/NDF :1476.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -9.411+/-0.071 χ^2/NDF : 2995.2/42
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 6.805 ± 0.082 χ^2/NDF : 630.1/21

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

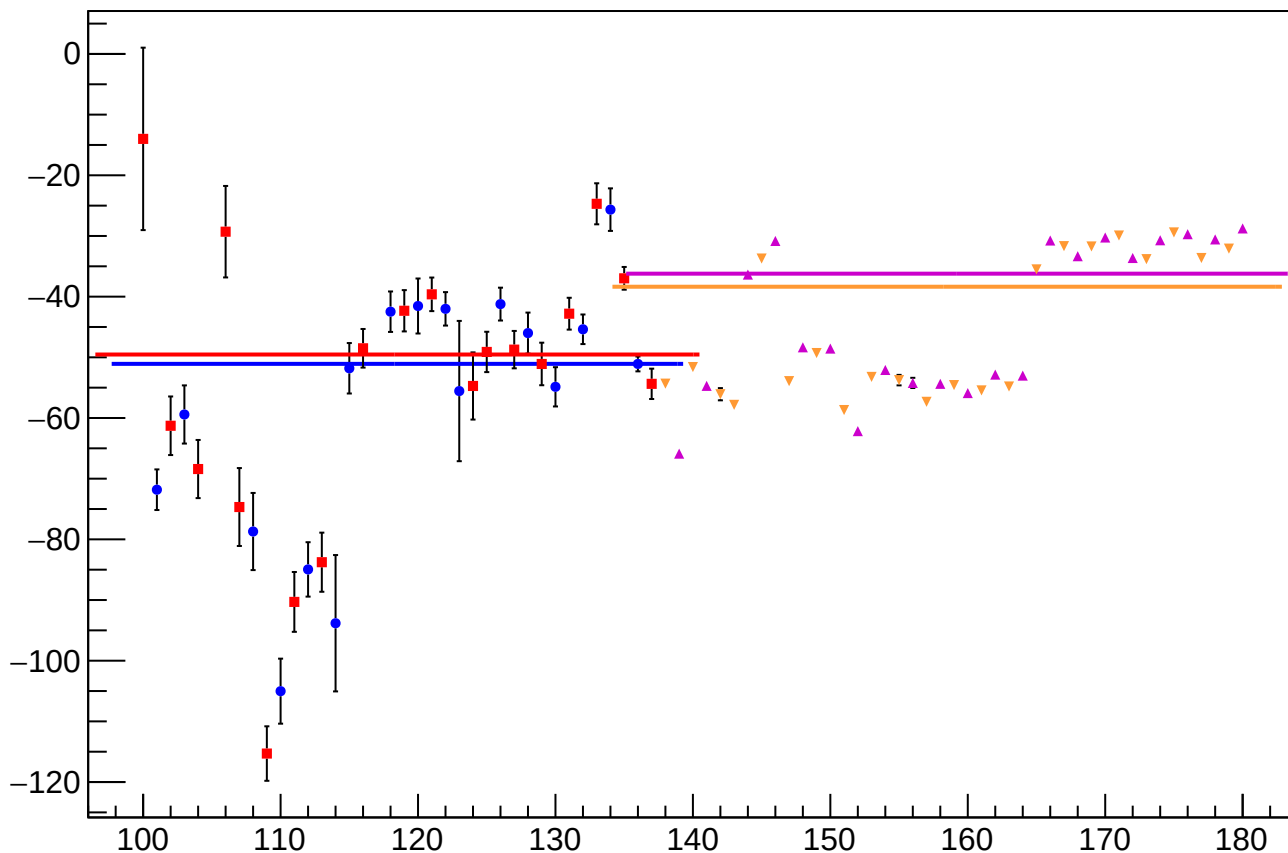
Left In: 6.831 ± 0.078 χ^2/NDF : 1435.7/20

+ sign 6.831 ± 0.080 χ^2/NDF : 1973.3/38

All: 6.819 ± 0.056 χ^2/NDF : 4924.1/78

- sign 6.808 ± 0.077 χ^2/NDF : 2950.7/39

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -38.365 ± 0.105 χ^2/NDF : 9508.1/21

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

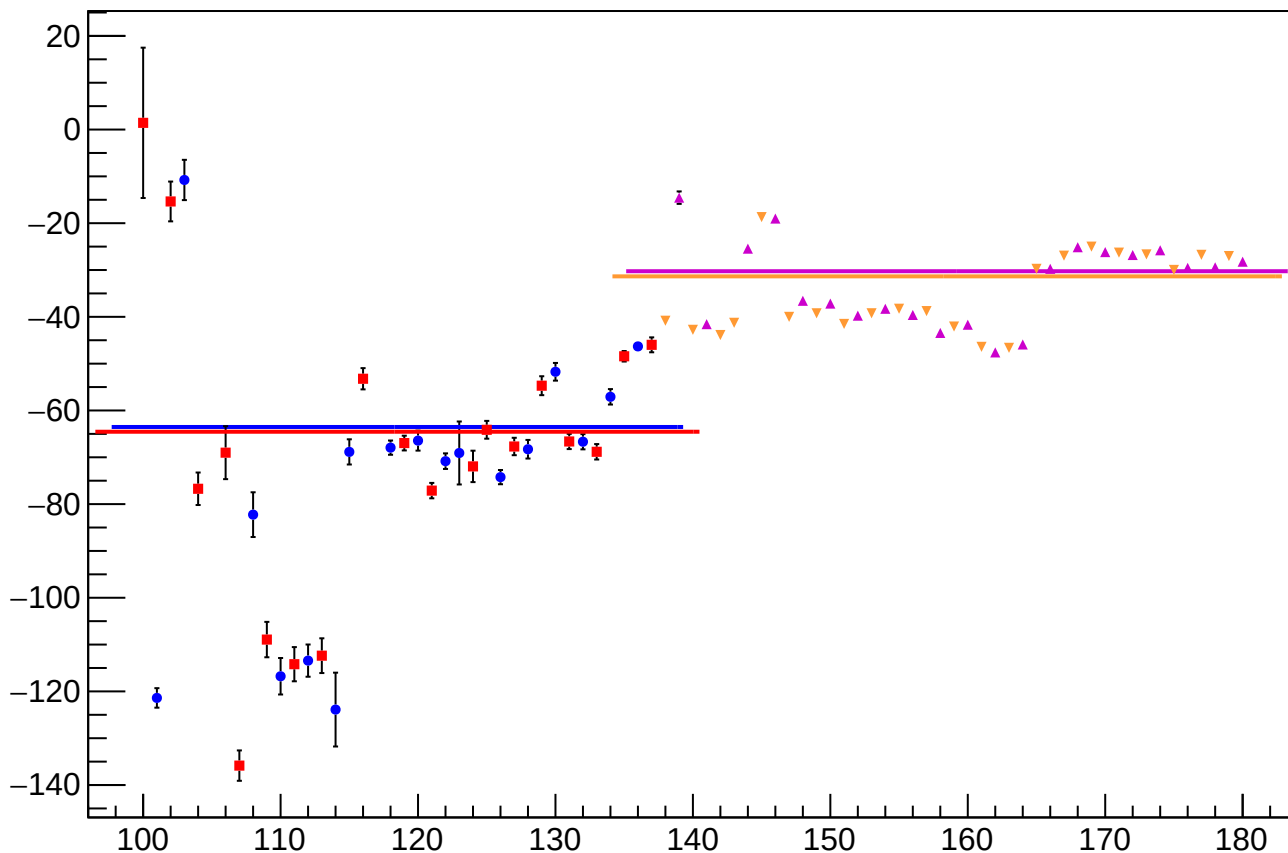
Left In: -36.213 ± 0.098 χ^2/NDF : 10850.4/20

+ sign -38.614 ± 0.104 χ^2/NDF : 10126.9/38

All: -37.438 ± 0.071 χ^2/NDF : 22001.9/78

- sign -36.410 ± 0.097 χ^2/NDF : 11634.4/39

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -31.356 ± 0.092 χ^2/NDF : 7483.0/21

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

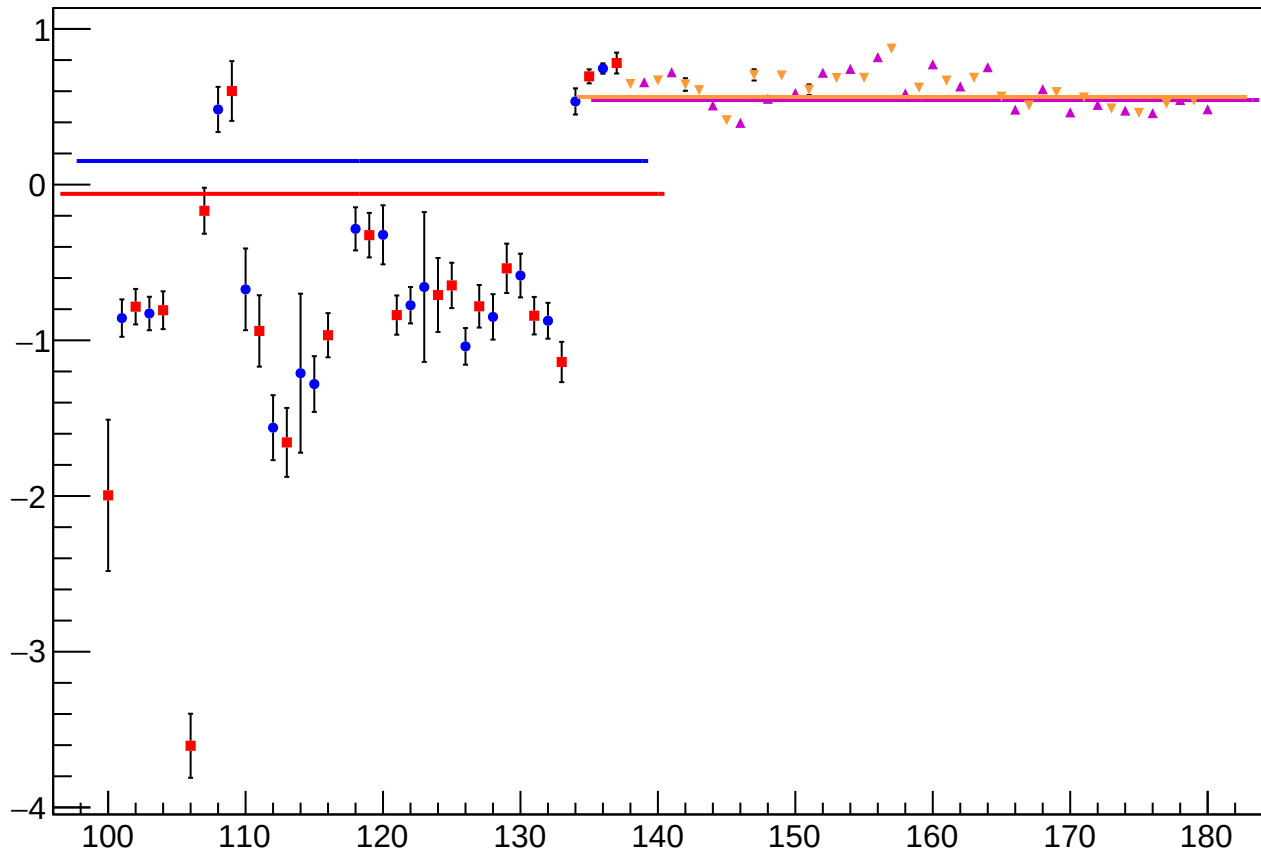
Left In: -30.257 ± 0.088 χ^2/NDF : 6934.5/20

+ sign -32.641 ± 0.090 χ^2/NDF : 14429.4/38

All: -31.970 ± 0.062 χ^2/NDF : 27953.0/78

- sign -31.350 ± 0.086 χ^2/NDF : 13415.9/39

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.563 ± 0.004 χ^2/NDF : 510.6/21

Right Out: -0.059 ± 0.026 χ^2/NDF : 1161.9/18

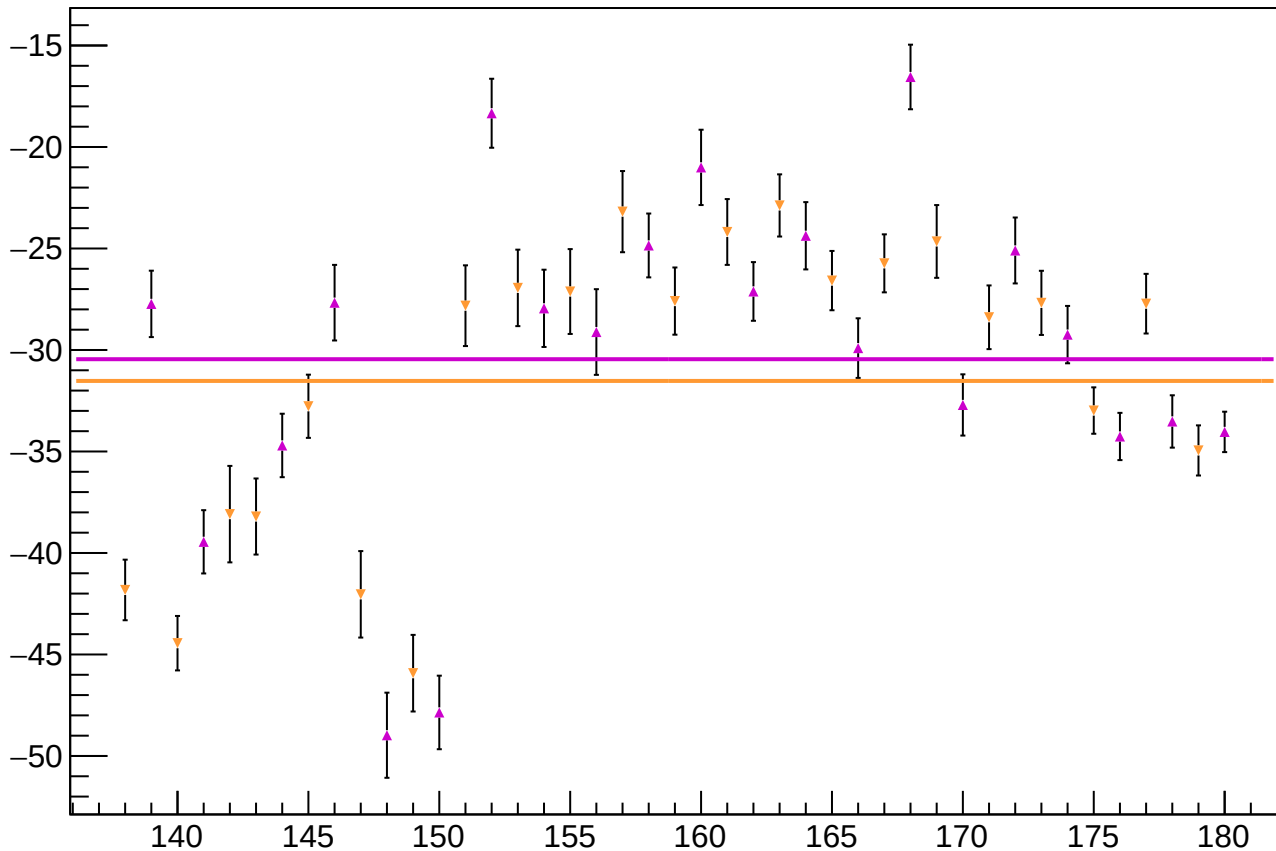
Left In: 0.543 ± 0.004 χ^2/NDF : 655.5/20

+ sign 0.551 ± 0.004 χ^2/NDF : 1782.4/38

All: 0.540 ± 0.003 χ^2/NDF : 4126.8/78

- sign 0.529 ± 0.004 χ^2/NDF : 2330.4/39

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.524+/-0.342 χ^2/NDF : 401.6/21

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

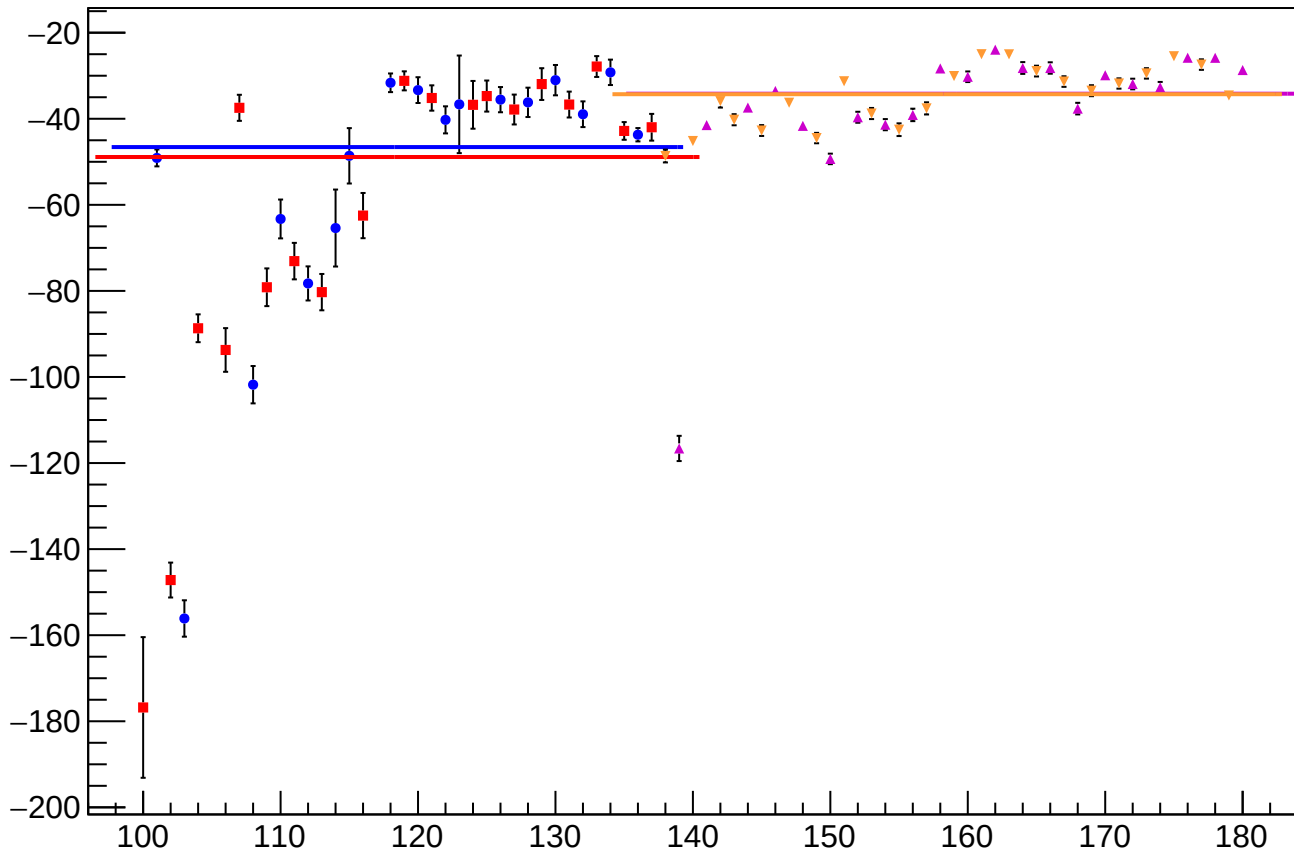
Left In: -30.454+/-0.335 χ^2/NDF : 446.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -30.977+/-0.239 χ^2/NDF : 852.6/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -34.296 ± 0.260 χ^2/NDF : 673.3/21

Right Out: -48.888 ± 0.763 χ^2/NDF : 1277.5/18

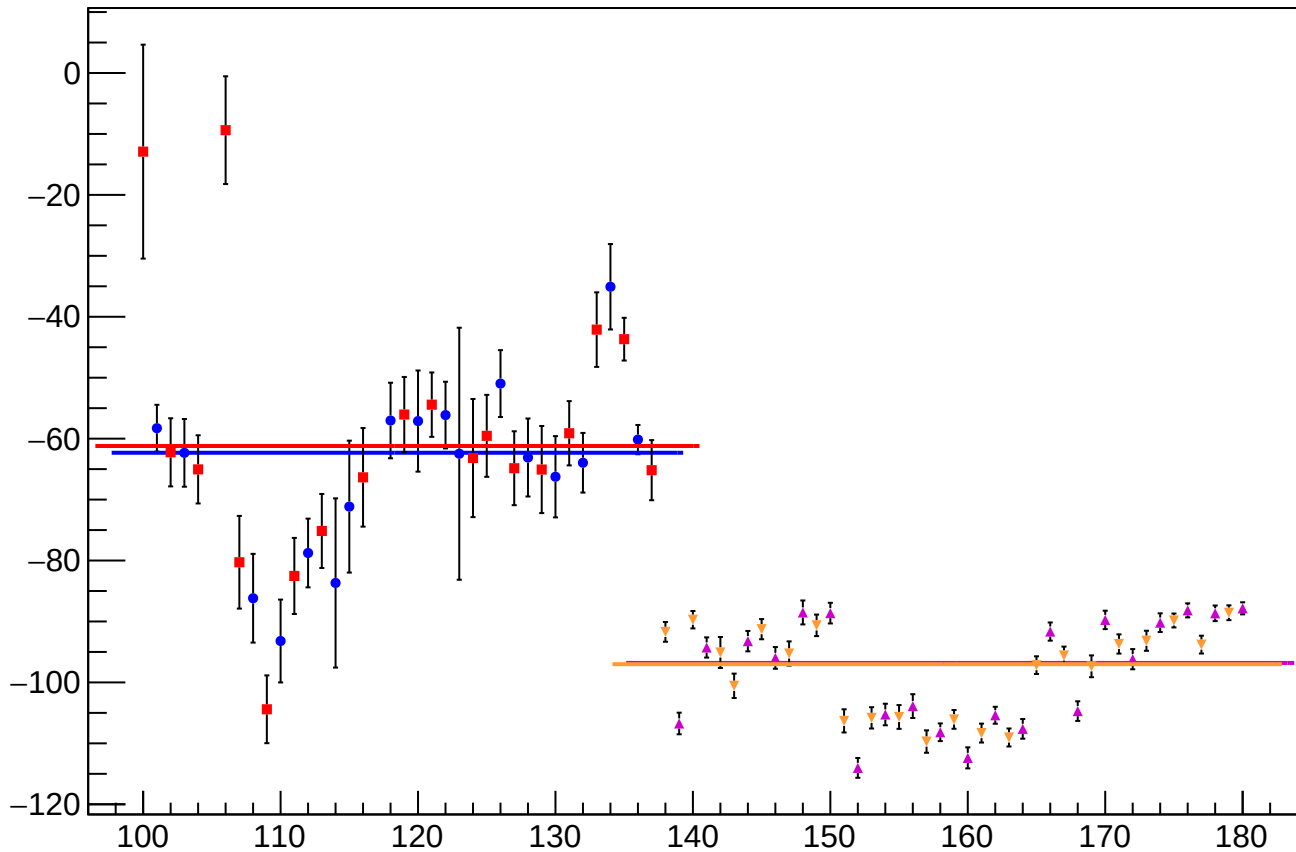
Left In: -34.178 ± 0.263 χ^2/NDF : 1436.1/20

+ sign -35.683 ± 0.245 χ^2/NDF : 2001.0/38

All: -35.711 ± 0.175 χ^2/NDF : 5046.4/78

- sign -35.740 ± 0.249 χ^2/NDF : 3045.4/39

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -97.009 ± 0.341 $\chi^2/\text{NDF}: 440.8/21$

Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$

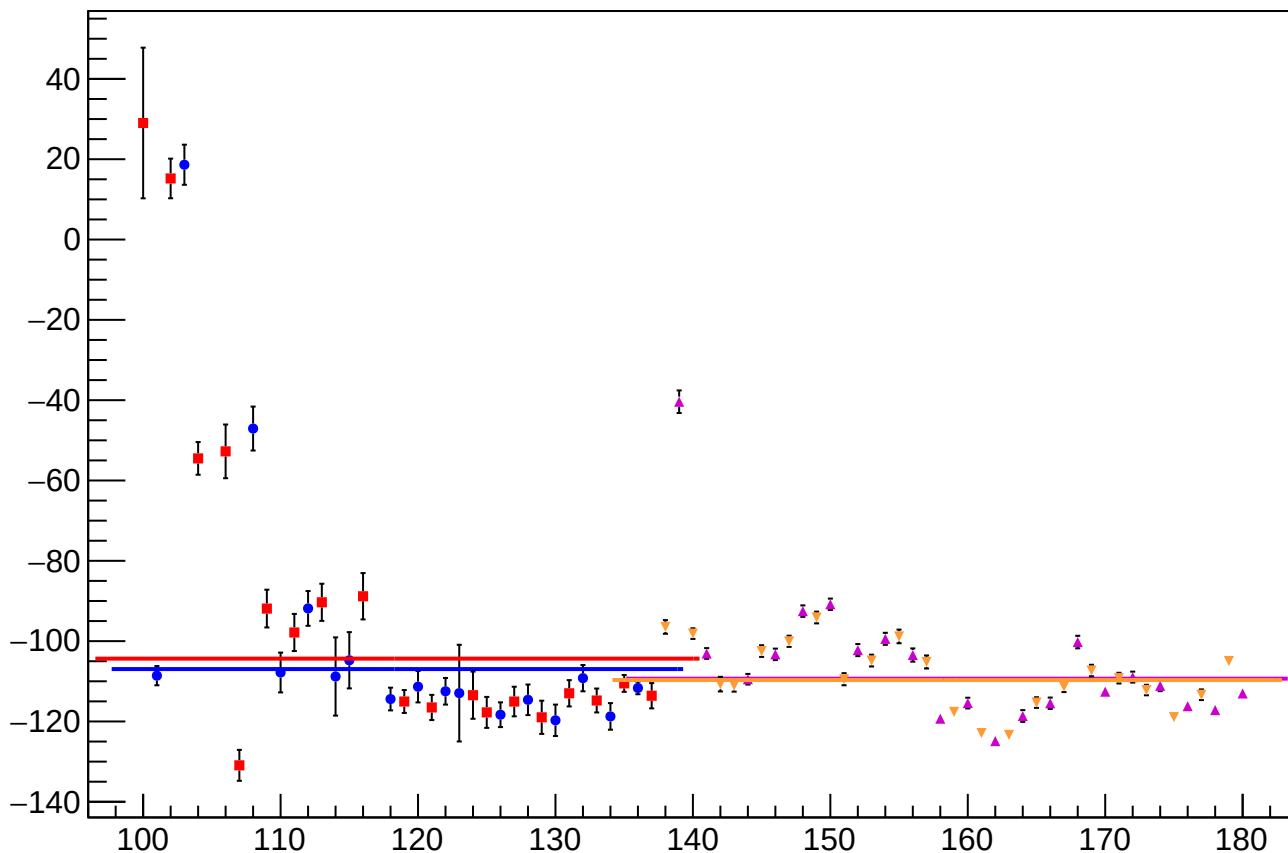
Left In: -96.803 ± 0.332 $\chi^2/\text{NDF}: 708.5/20$

+ sign -94.828 ± 0.330 $\chi^2/\text{NDF}: 1159.7/38$

All: -94.843 ± 0.231 $\chi^2/\text{NDF}: 2661.5/78$

- sign -94.858 ± 0.323 $\chi^2/\text{NDF}: 1501.8/39$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954±/0.817 χ^2/NDF : 827.2/16

Left Out: -109.685±/0.295 χ^2/NDF : 782.0/21

Right Out: -104.356±/0.861 χ^2/NDF : 1021.0/18

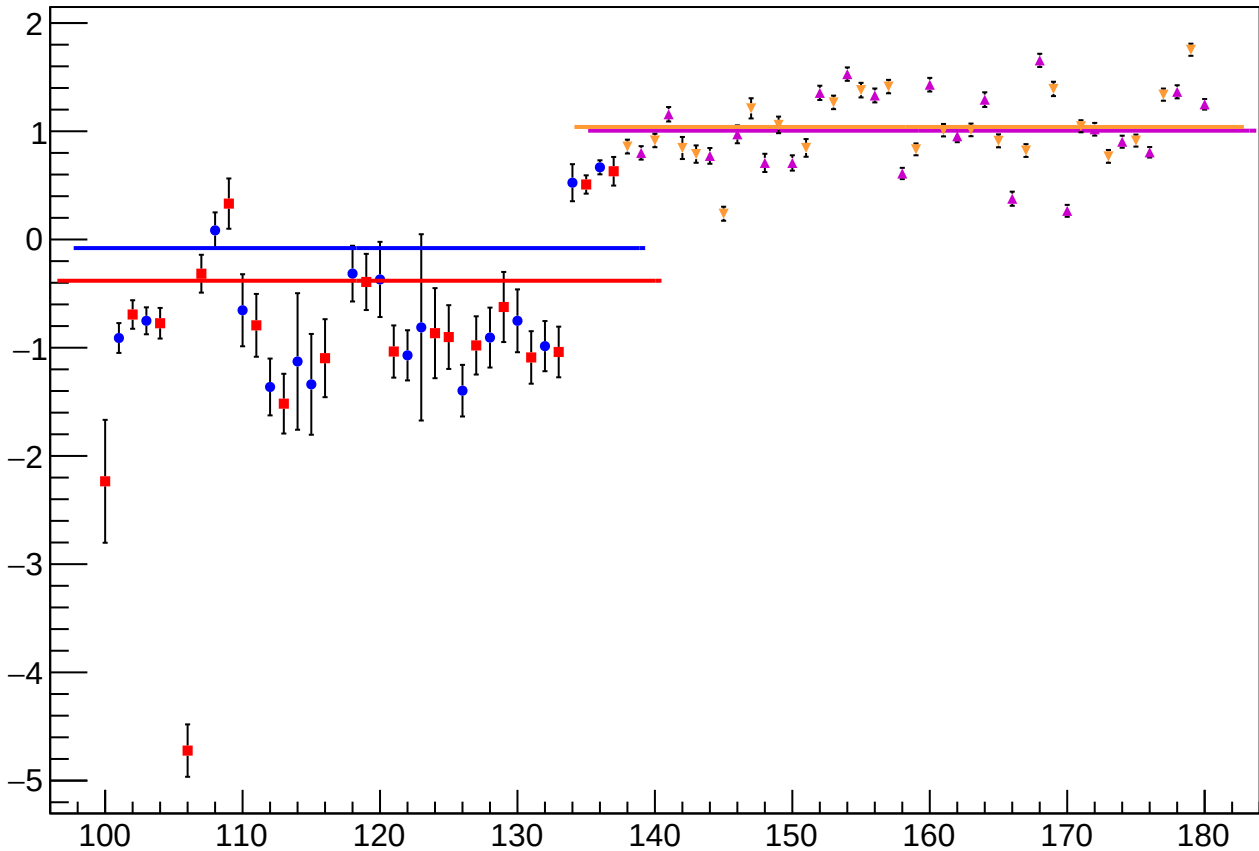
Left In: -109.338±/0.295 χ^2/NDF : 1478.4/20

+ sign -109.371±/0.277 χ^2/NDF : 1619.1/38

All: -109.095±/0.197 χ^2/NDF : 4150.5/78

- sign -108.815±/0.279 χ^2/NDF : 2529.4/39

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 1.040 ± 0.014 χ^2/NDF : 538.5/21

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

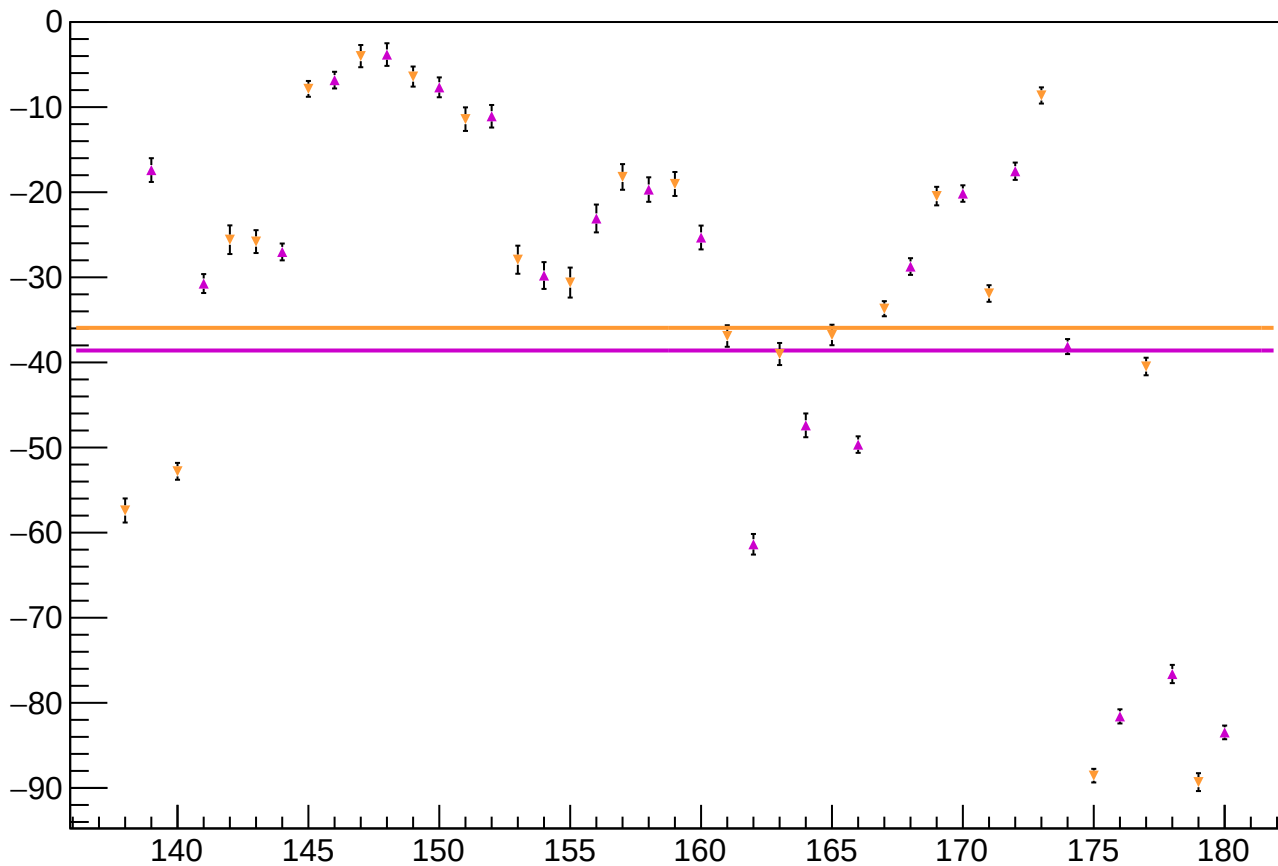
Left In: 1.005 ± 0.013 χ^2/NDF : 768.8/20

+ sign 0.935 ± 0.013 χ^2/NDF : 1502.7/38

All: 0.912 ± 0.009 χ^2/NDF : 3767.6/78

- sign 0.889 ± 0.013 χ^2/NDF : 2258.3/39

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -35.937+/-0.245 χ^2/NDF :11365.4/21

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

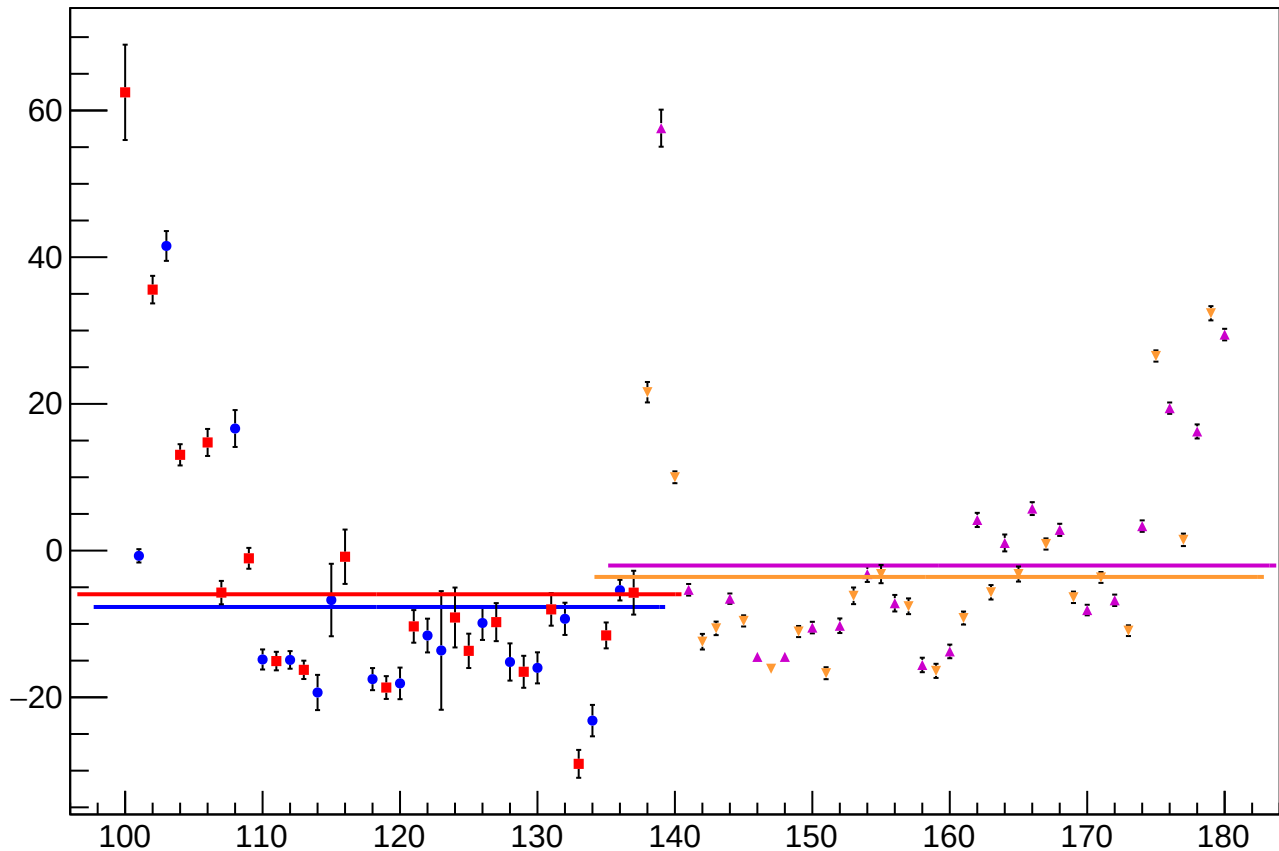
Left In: -38.599+/-0.239 χ^2/NDF :12128.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -37.302+/-0.171 χ^2/NDF : 23554.1/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -3.589 ± 0.184 χ^2/NDF : 4885.9/21

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

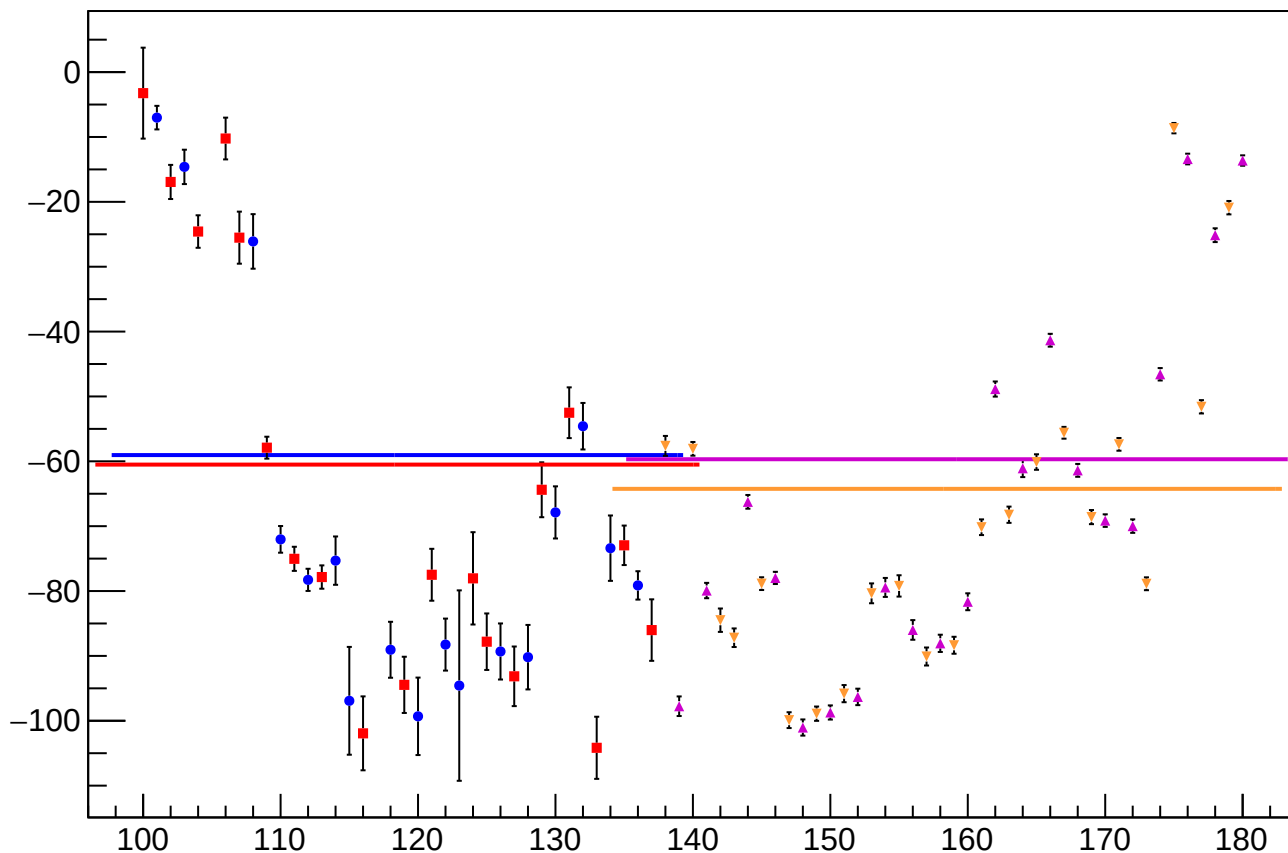
Left In: -2.034 ± 0.184 χ^2/NDF : 4989.9/20

+ sign -4.225 ± 0.169 χ^2/NDF : 5938.6/38

All: -3.436 ± 0.120 χ^2/NDF : 12340.4/78

- sign -2.646 ± 0.169 χ^2/NDF : 6358.4/39

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 $\chi^2/\text{NDF}: 1709.5/16$

Left Out: -64.245 ± 0.245 $\chi^2/\text{NDF}: 11100.7/21$

Right Out: -60.507 ± 0.704 $\chi^2/\text{NDF}: 1384.8/18$

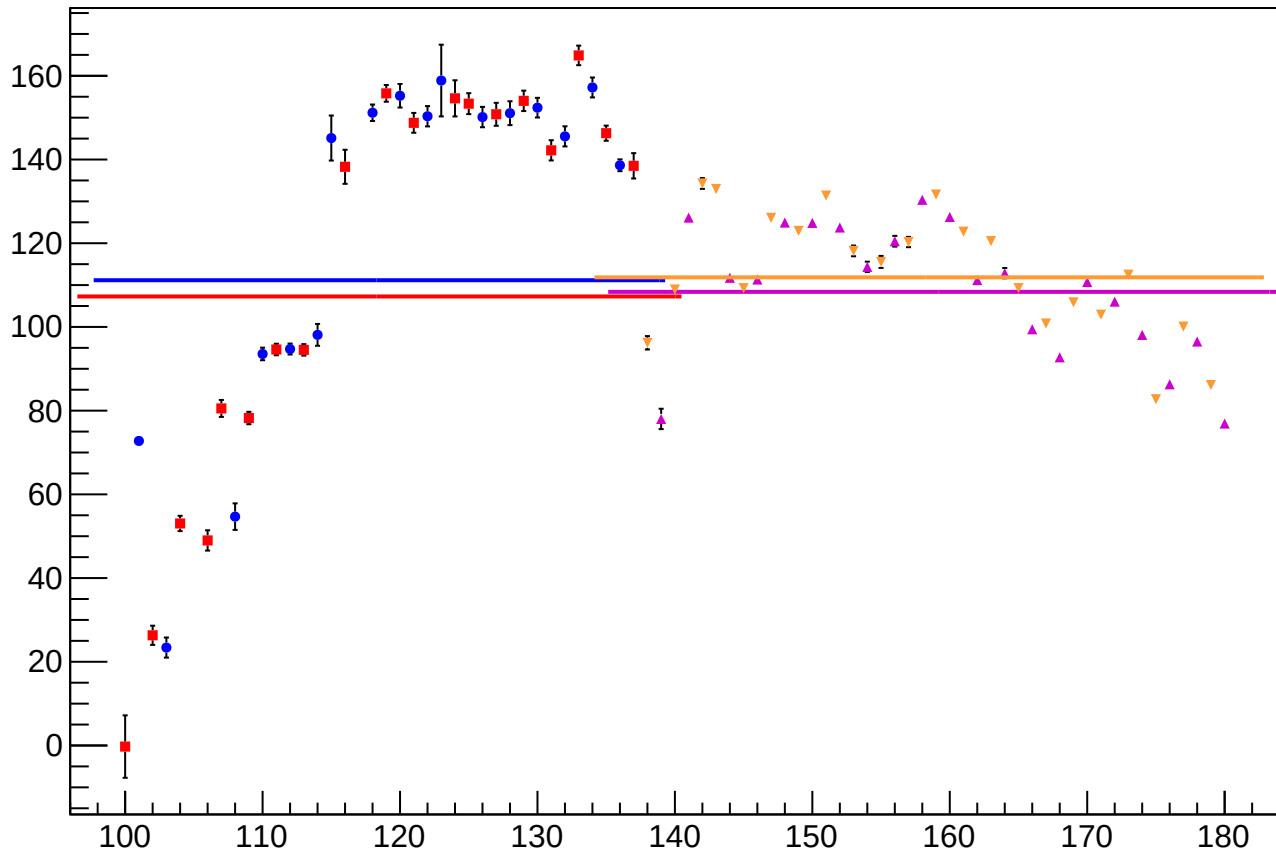
Left In: -59.681 ± 0.238 $\chi^2/\text{NDF}: 14119.7/20$

+ sign -63.738 ± 0.233 $\chi^2/\text{NDF}: 12854.2/38$

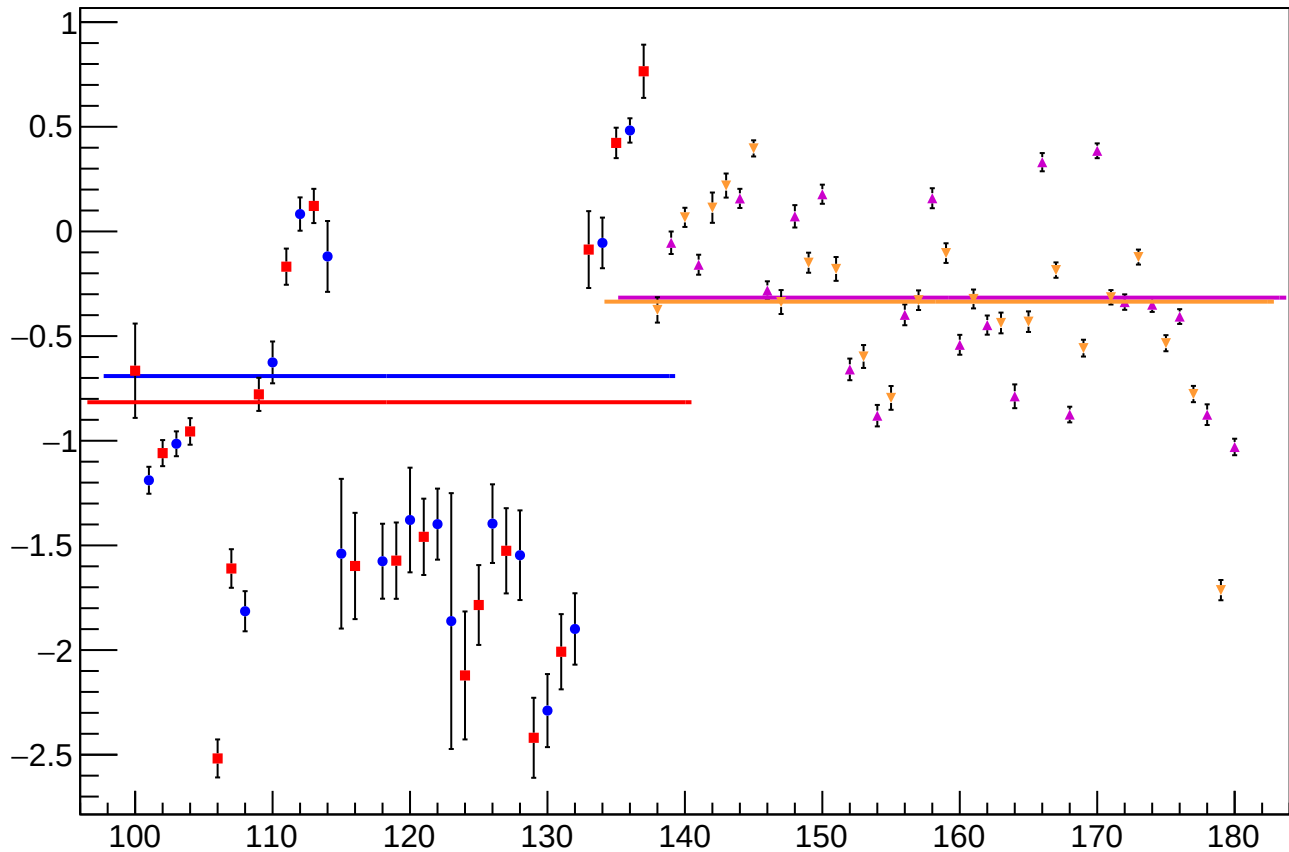
All: -61.691 ± 0.162 $\chi^2/\text{NDF}: 28510.3/78$

- sign -59.766 ± 0.226 $\chi^2/\text{NDF}: 15505.8/39$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.335 ± 0.010 χ^2/NDF : 1762.4/21

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

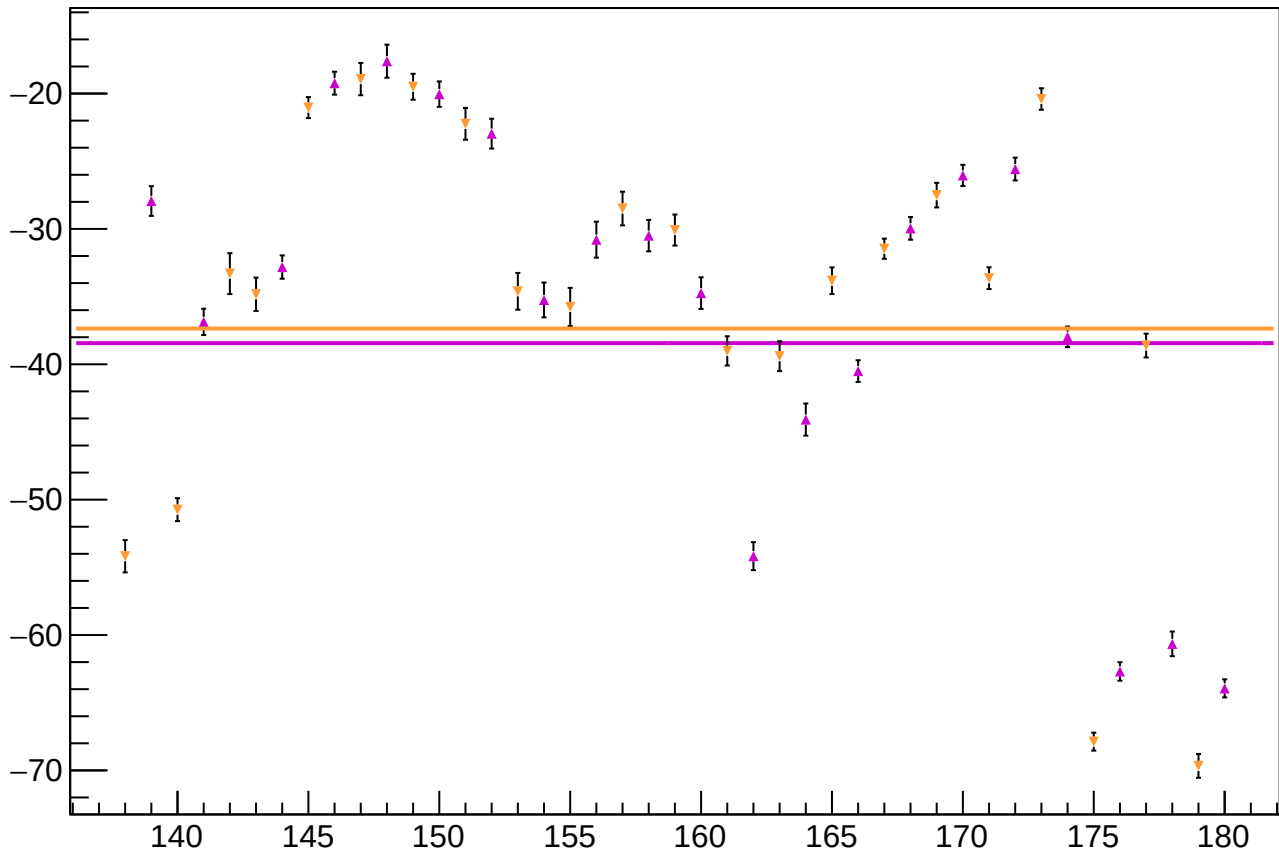
Left In: -0.316 ± 0.010 χ^2/NDF : 1979.3/20

+ sign -0.380 ± 0.009 χ^2/NDF : 2919.4/38

All: -0.381 ± 0.006 χ^2/NDF : 6567.4/78

- sign -0.383 ± 0.009 χ^2/NDF : 3647.9/39

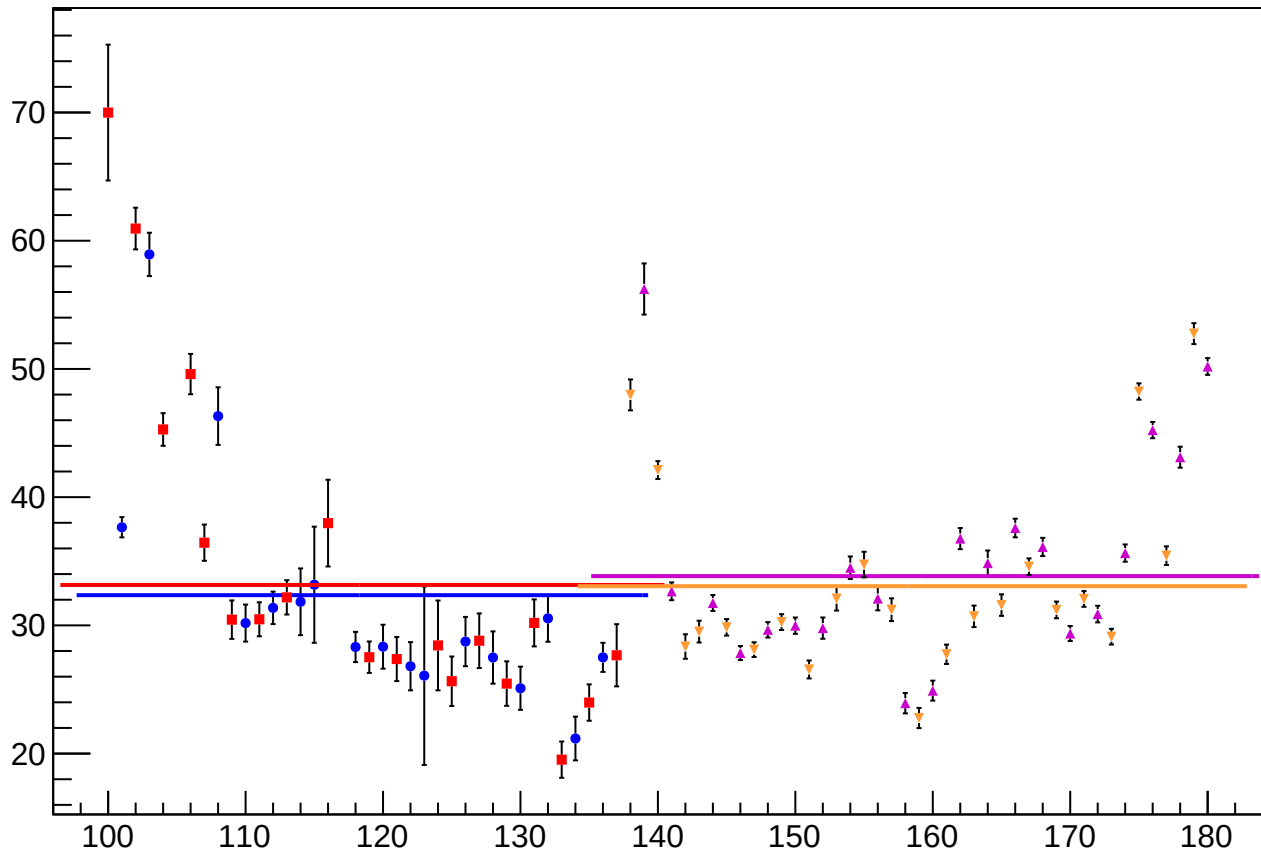
reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -37.361+/-0.206 χ^2/NDF : 5892.9/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -38.435+/-0.200 χ^2/NDF : 5784.4/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -37.913+/-0.144 χ^2/NDF : 11691.3/42
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 33.056 ± 0.156 $\chi^2/\text{NDF}: 2028.7/21$

Right Out: 33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

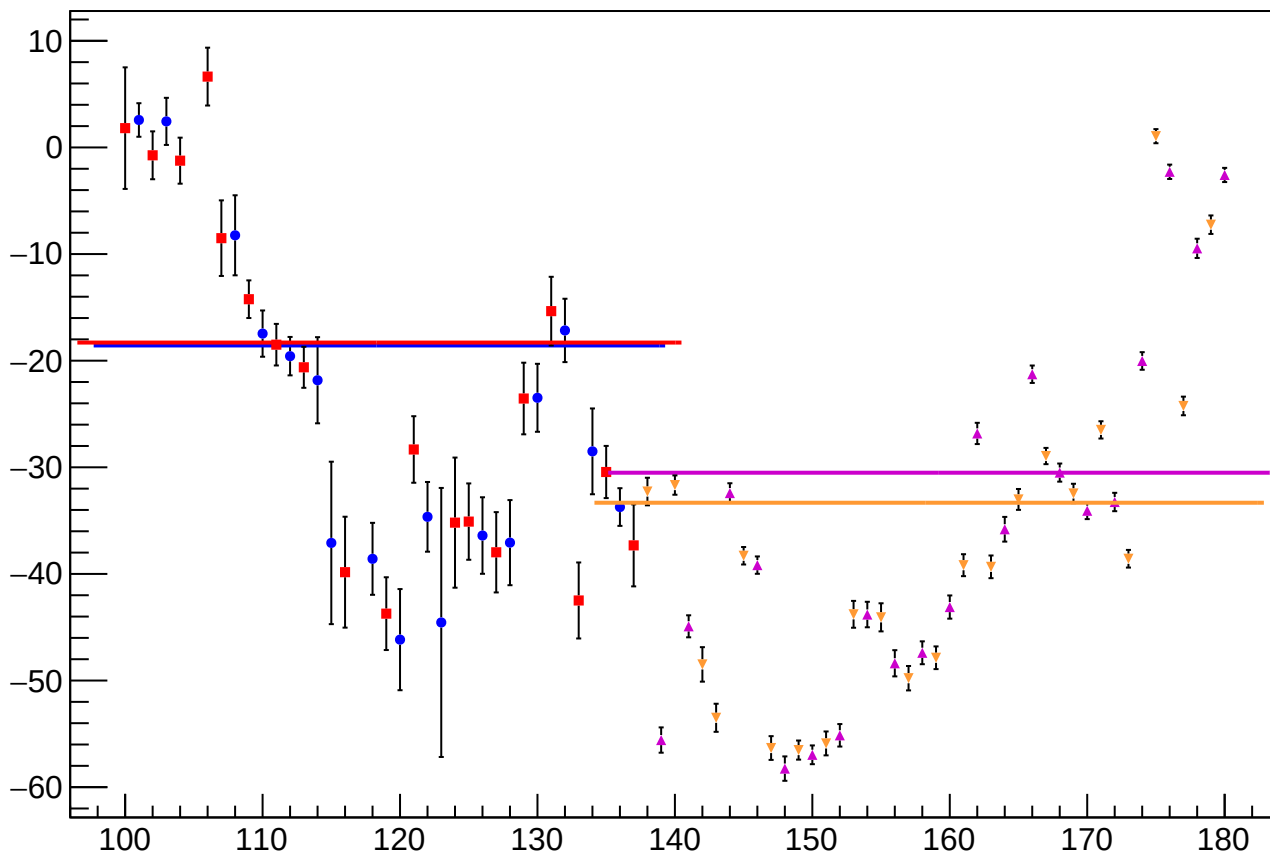
Left In: 33.840 ± 0.156 $\chi^2/\text{NDF}: 1870.3/20$

+ sign 32.953 ± 0.144 $\chi^2/\text{NDF}: 2482.2/38$

All: 33.346 ± 0.102 $\chi^2/\text{NDF}: 5142.1/78$

- sign 33.740 ± 0.145 $\chi^2/\text{NDF}: 2645.1/39$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -33.323 ± 0.206 χ^2/NDF : 6311.7/21

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

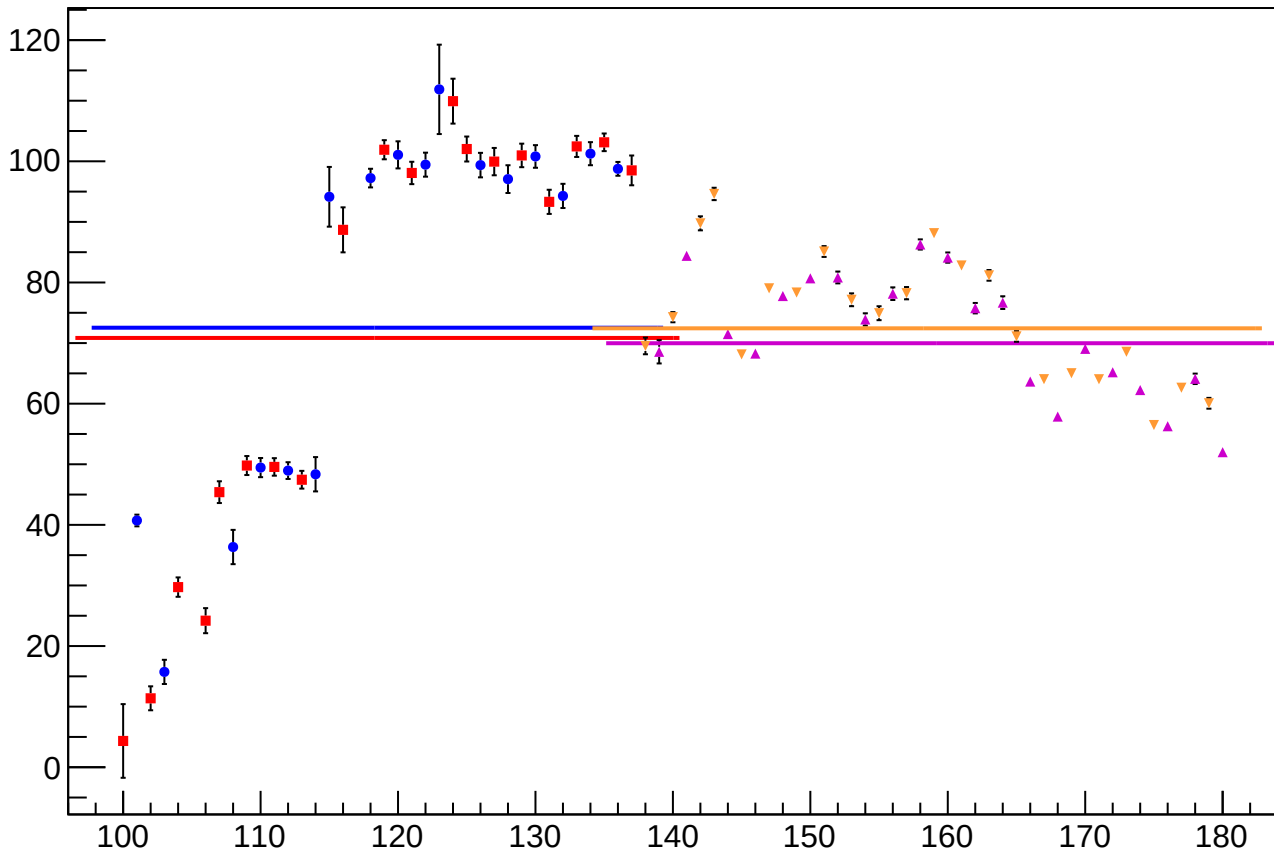
Left In: -30.508 ± 0.200 χ^2/NDF : 7927.6/20

+ sign -32.045 ± 0.196 χ^2/NDF : 7269.3/38

All: -30.702 ± 0.137 χ^2/NDF : 16089.0/78

- sign -29.439 ± 0.191 χ^2/NDF : 8728.9/39

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537 $\pm$ 0.428 χ^2 /NDF: 4684.1/16

Left Out: 72.436 $\pm$ 0.177 χ^2 /NDF: 3104.5/21

Right Out: 70.849 $\pm$ 0.433 χ^2 /NDF: 5500.2/18

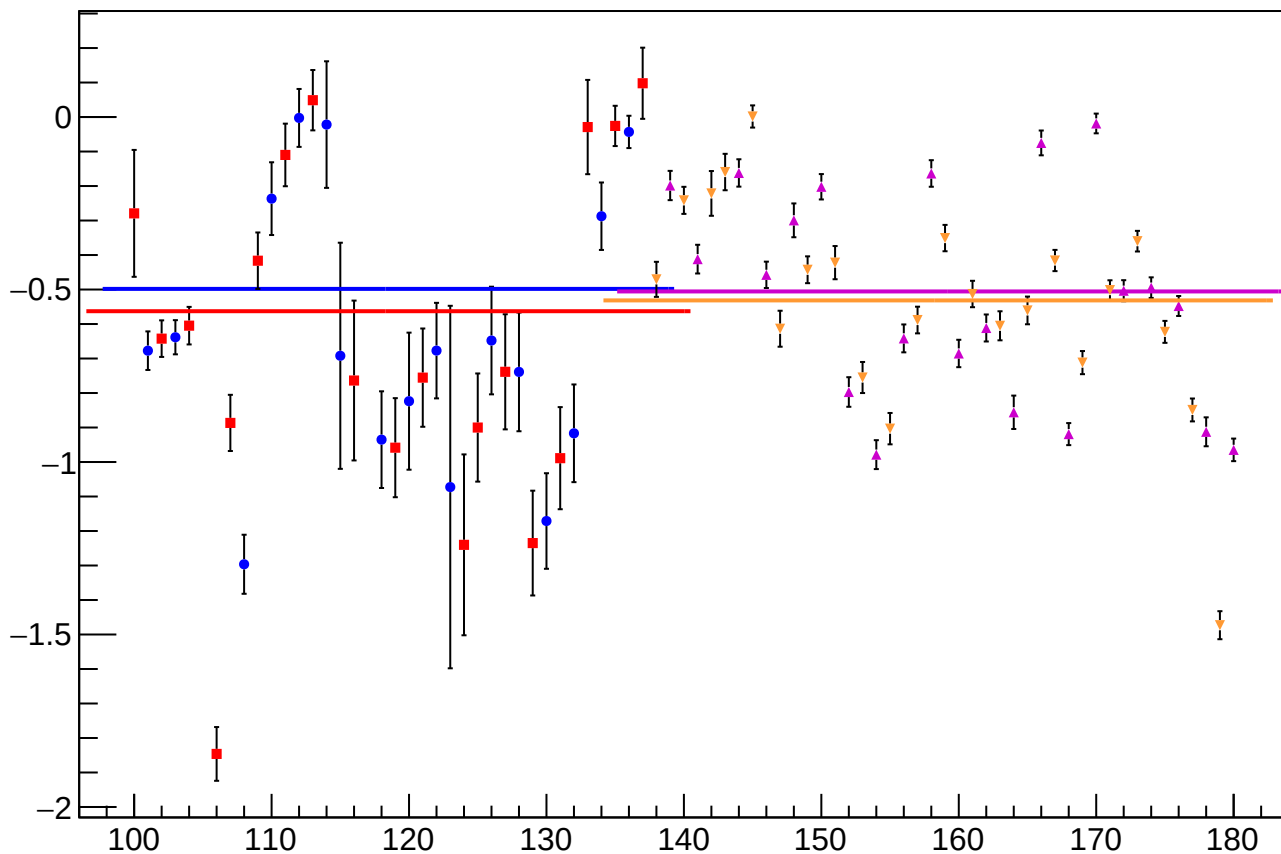
Left In: 69.975 $\pm$ 0.176 χ^2 /NDF: 3113.6/20

+ sign 72.451 $\pm$ 0.164 χ^2 /NDF: 7788.7/38

All: 71.271 $\pm$ 0.116 χ^2 /NDF: 16509.3/78

- sign 70.099 $\pm$ 0.163 χ^2 /NDF: 8617.3/39

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 $\pm$ 0.022 χ^2/NDF : 302.8/16

Left Out: -0.532 $\pm$ 0.008 χ^2/NDF : 1250.4/21

Right Out: -0.563 $\pm$ 0.021 χ^2/NDF : 560.8/18

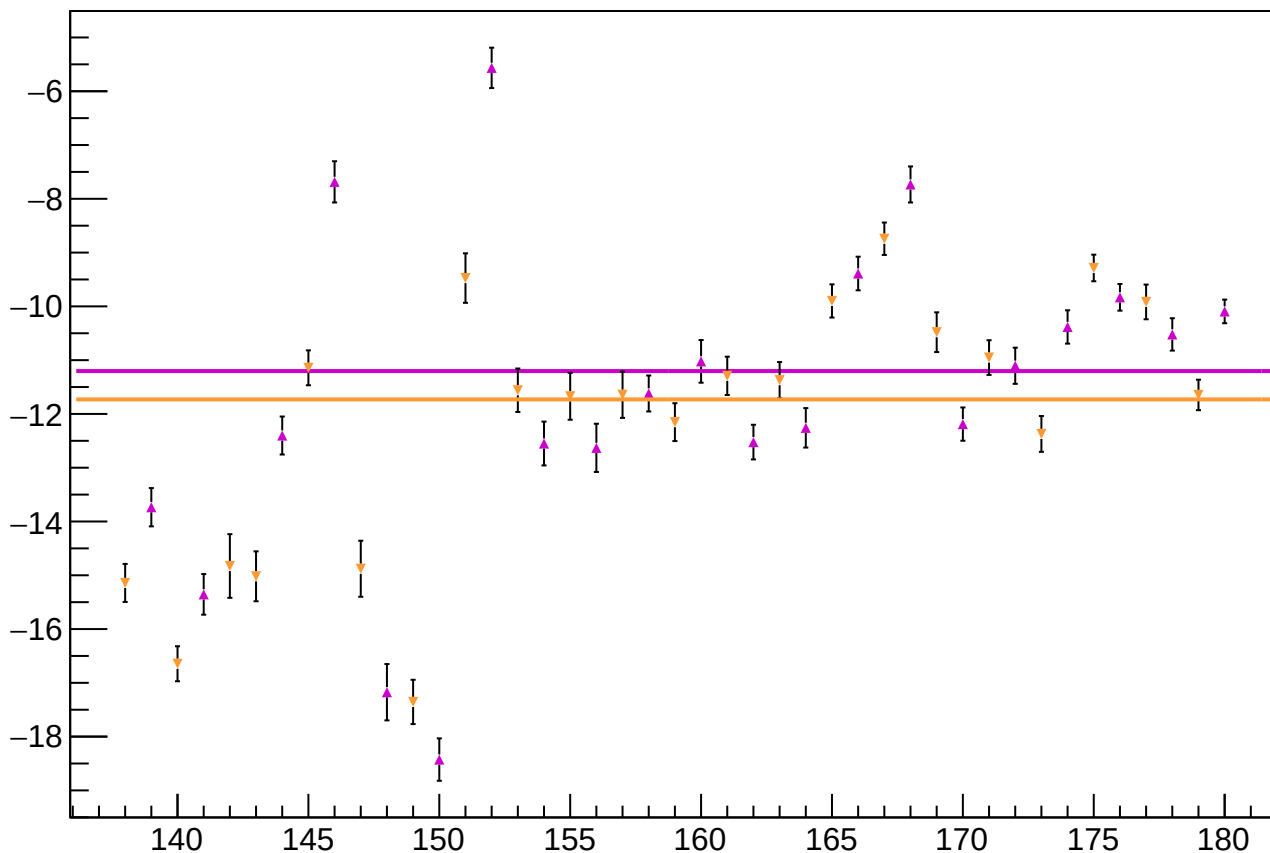
Left In: -0.506 $\pm$ 0.008 χ^2/NDF : 1458.0/20

+ sign -0.528 $\pm$ 0.008 χ^2/NDF : 1555.2/38

All: -0.520 $\pm$ 0.005 χ^2/NDF : 3582.2/78

- sign -0.513 $\pm$ 0.008 χ^2/NDF : 2025.0/39

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



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

Left Out: -11.730+/-0.075 χ^2/NDF : 937.3/21

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

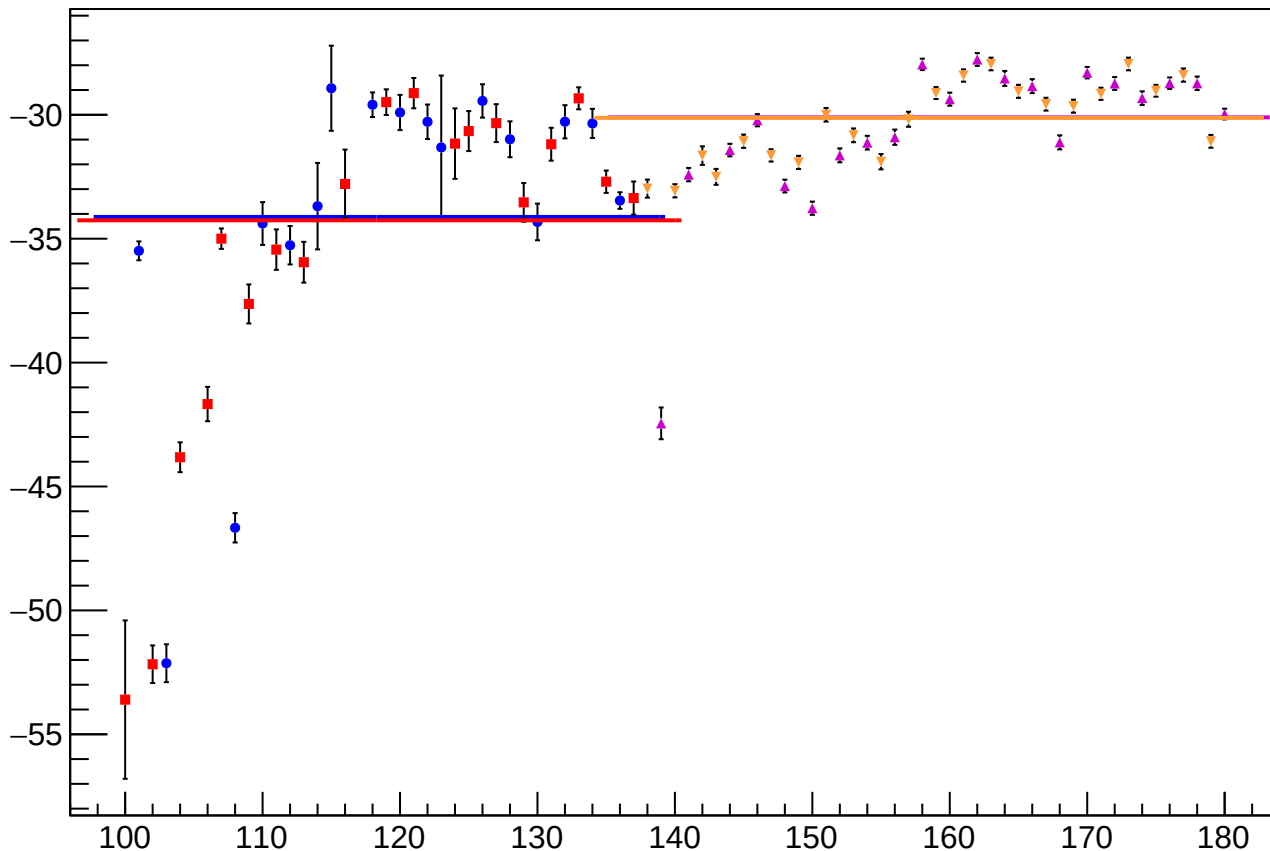
Left In: -11.203+/-0.073 χ^2/NDF : 1225.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.458+/-0.052 χ^2/NDF : 2187.7/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -30.124 ± 0.058 χ^2/NDF : 711.7/21

Right Out: -34.260 ± 0.151 χ^2/NDF : 1354.9/18

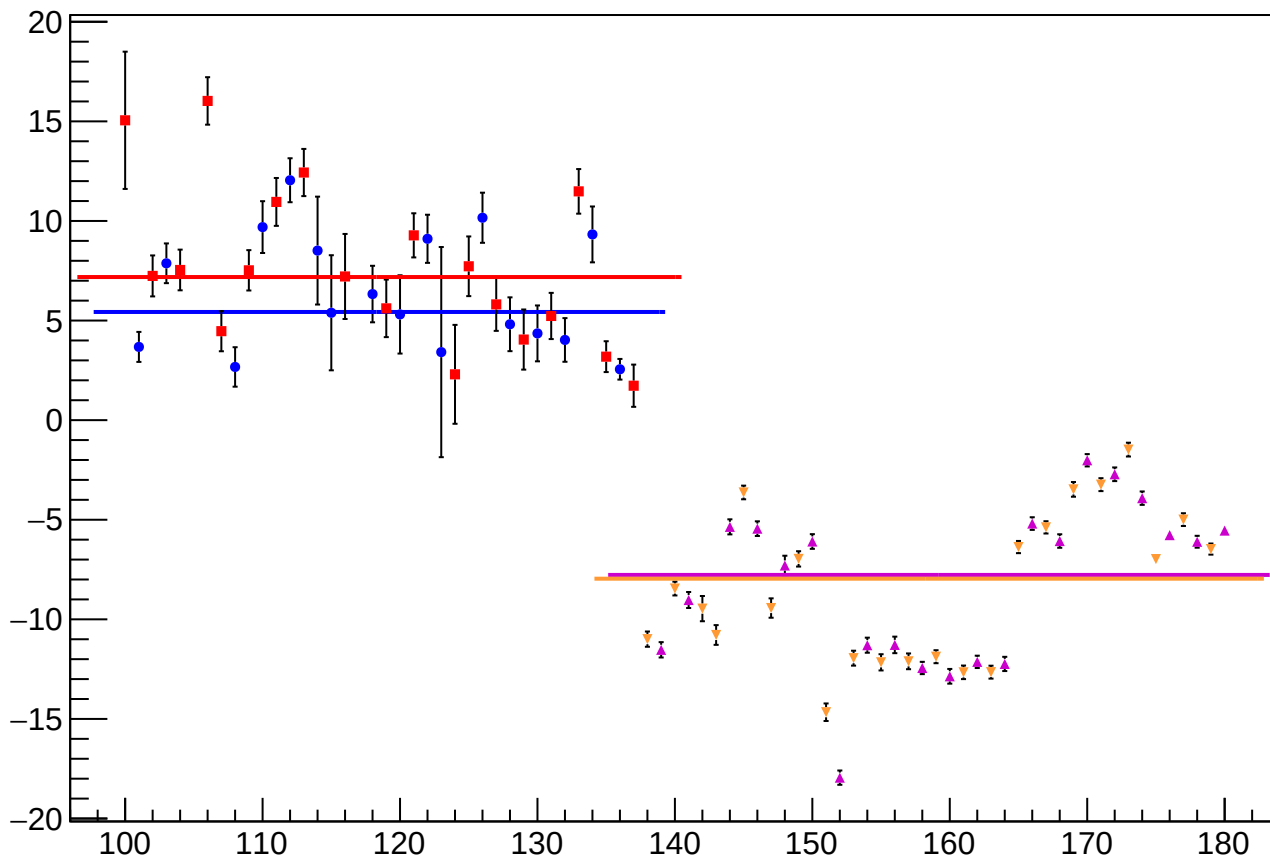
Left In: -30.105 ± 0.058 χ^2/NDF : 1219.2/20

+ sign -30.630 ± 0.054 χ^2/NDF : 2640.0/38

All: -30.635 ± 0.038 χ^2/NDF : 5875.3/78

- sign -30.640 ± 0.054 χ^2/NDF : 3235.3/39

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -7.959 ± 0.075 χ^2/NDF : 2317.7/21

Right Out: 7.185 ± 0.274 χ^2/NDF : 182.1/18

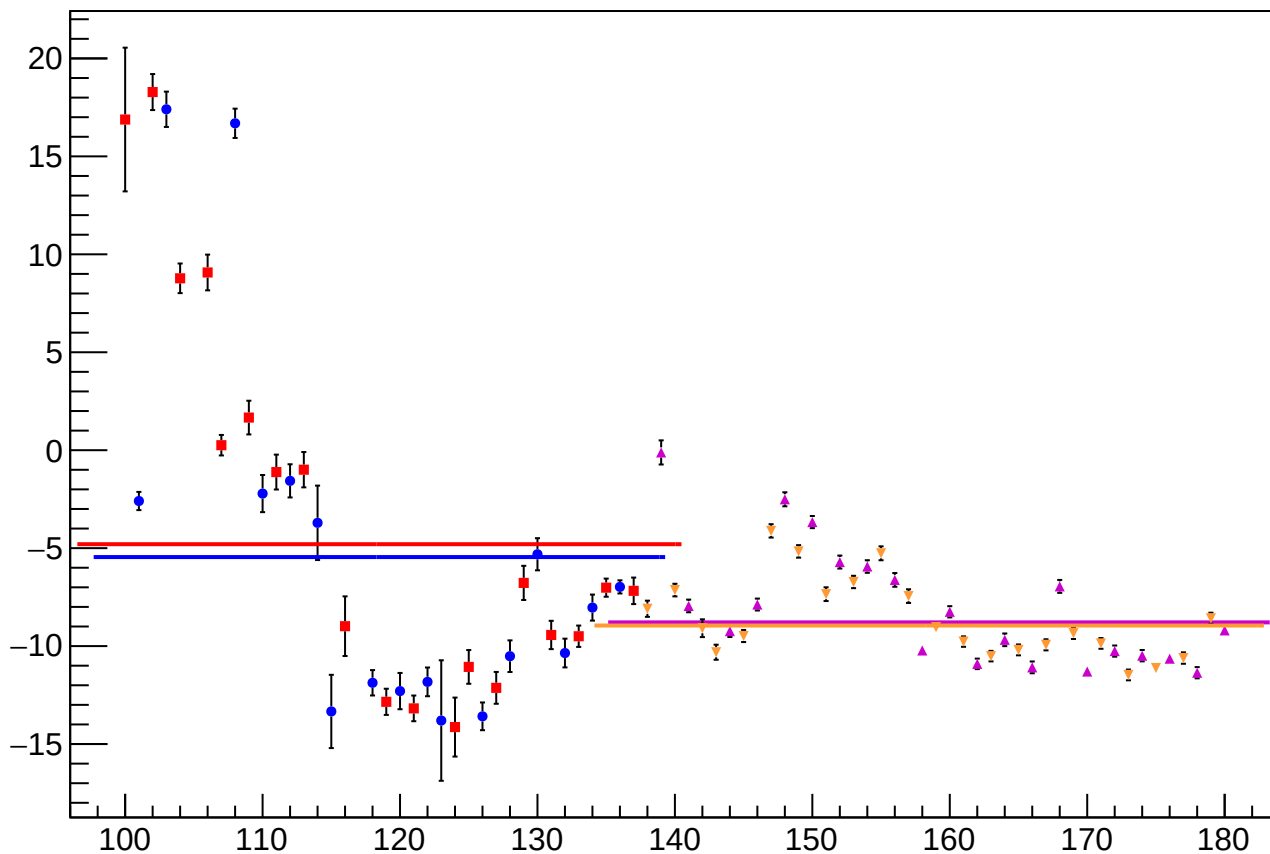
Left In: -7.770 ± 0.072 χ^2/NDF : 2927.8/20

+ sign -7.007 ± 0.072 χ^2/NDF : 4727.6/38

All: -6.898 ± 0.050 χ^2/NDF : 10617.9/78

- sign -6.796 ± 0.070 χ^2/NDF : 5885.9/39

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -8.950 ± 0.065 χ^2/NDF : 867.9/21

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

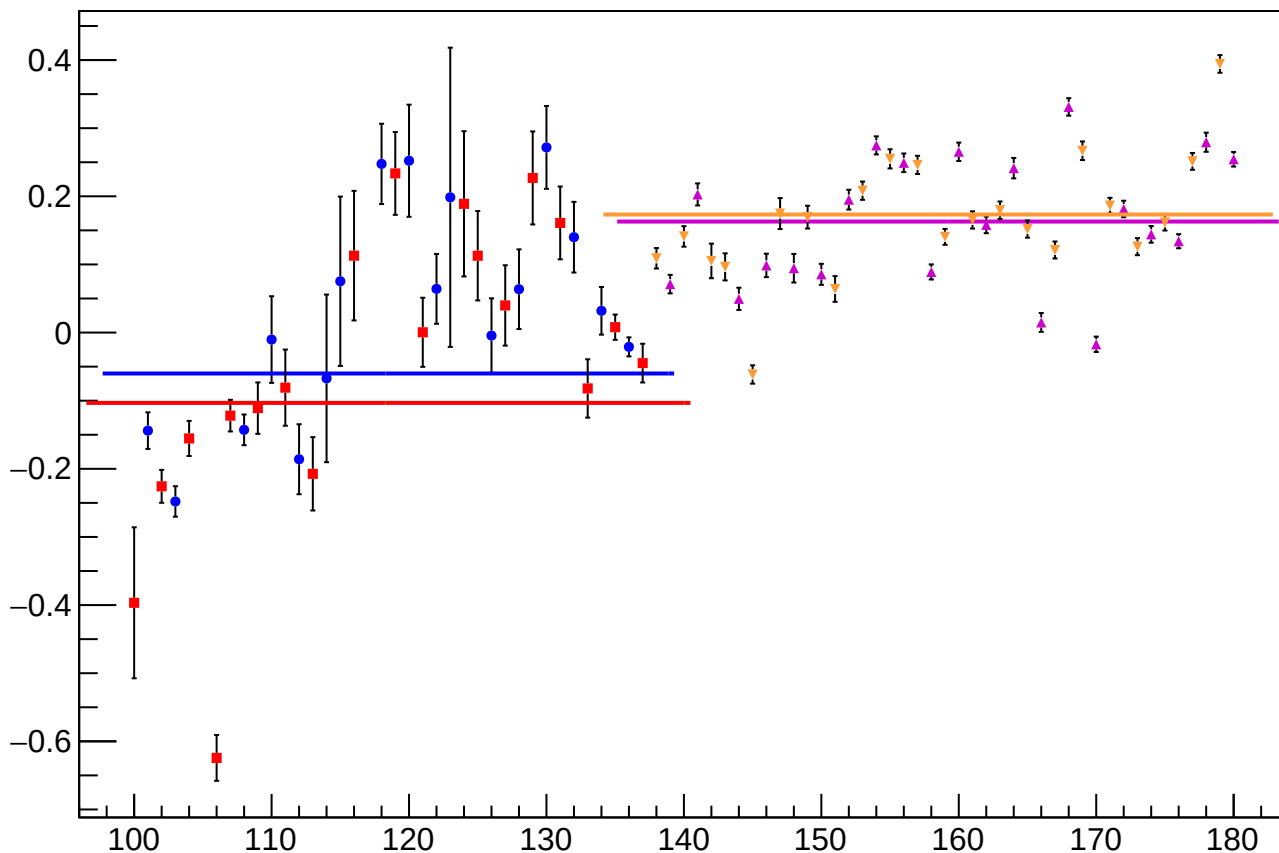
Left In: -8.790 ± 0.065 χ^2/NDF : 1498.1/20

+ sign -8.508 ± 0.061 χ^2/NDF : 3330.0/38

All: -8.404 ± 0.043 χ^2/NDF : 7348.8/78

- sign -8.300 ± 0.061 χ^2/NDF : 4013.0/39

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.173 ± 0.003 χ^2/NDF : 877.5/21

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

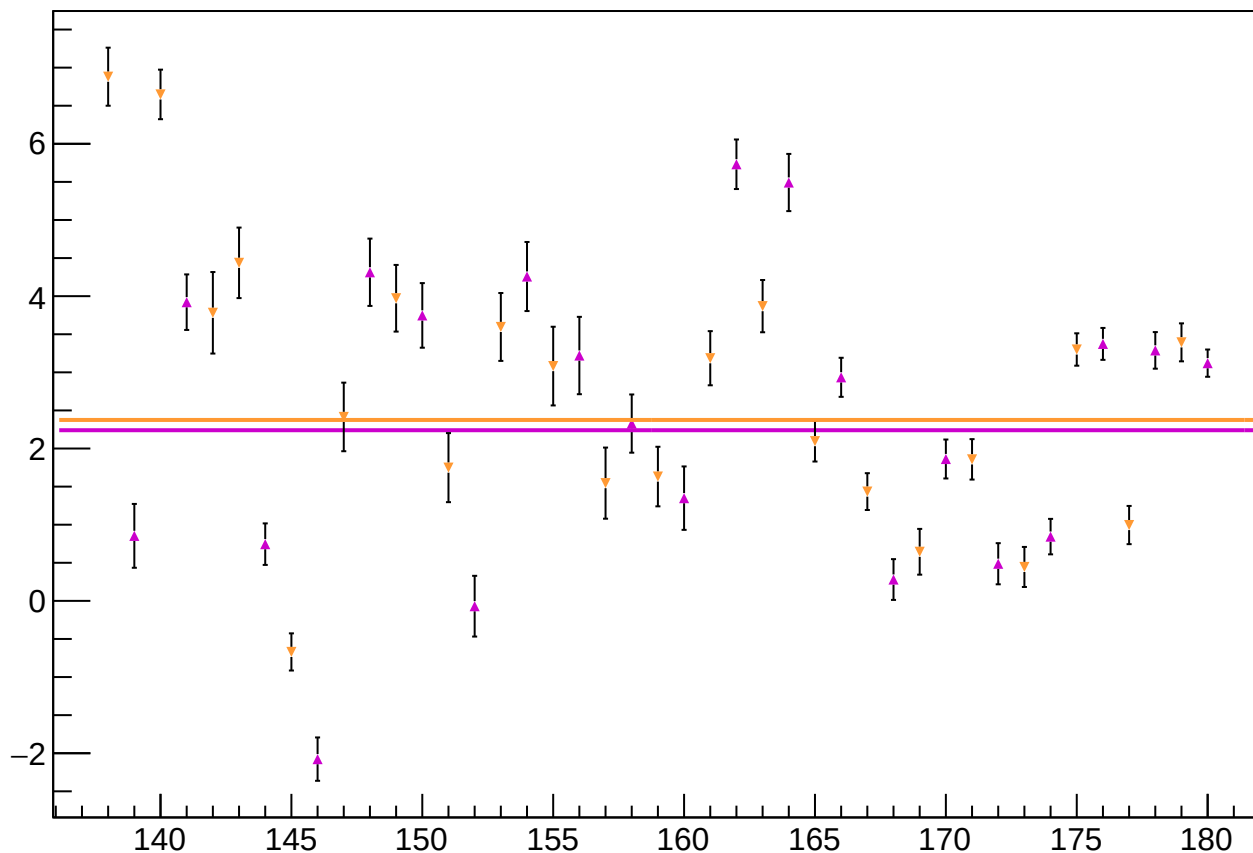
Left In: 0.163 ± 0.003 χ^2/NDF : 1090.5/20

+ sign 0.148 ± 0.003 χ^2/NDF : 1779.1/38

All: 0.141 ± 0.002 χ^2/NDF : 4204.3/78

- sign 0.135 ± 0.003 χ^2/NDF : 2414.8/39

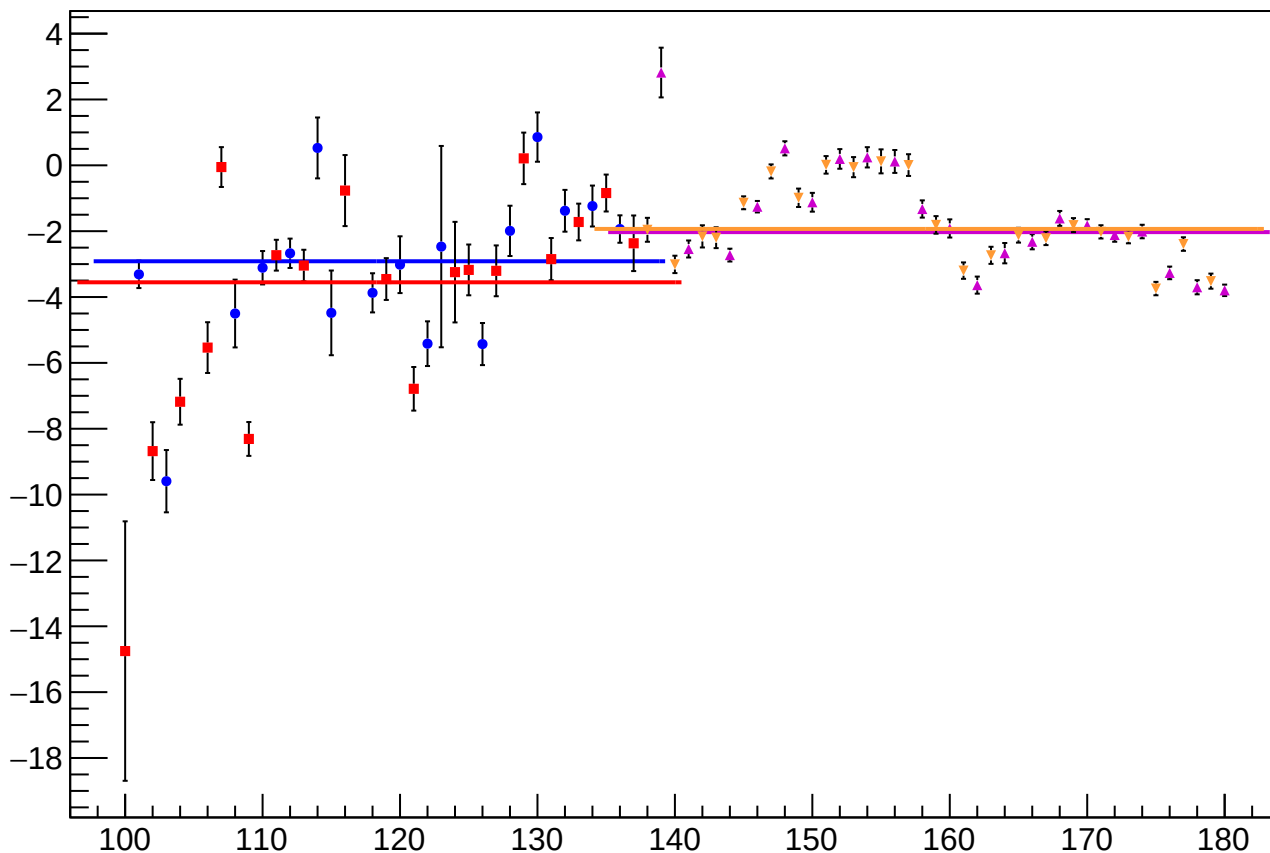
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.375 $\pm$ 0.068 χ^2 /NDF:723.7/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.240 $\pm$ 0.064 χ^2 /NDF:793.0/20

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 2.304 $\pm$ 0.047 χ^2 /NDF: 1518.7/42
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.931 ± 0.052 χ^2/NDF : 441.9/21

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

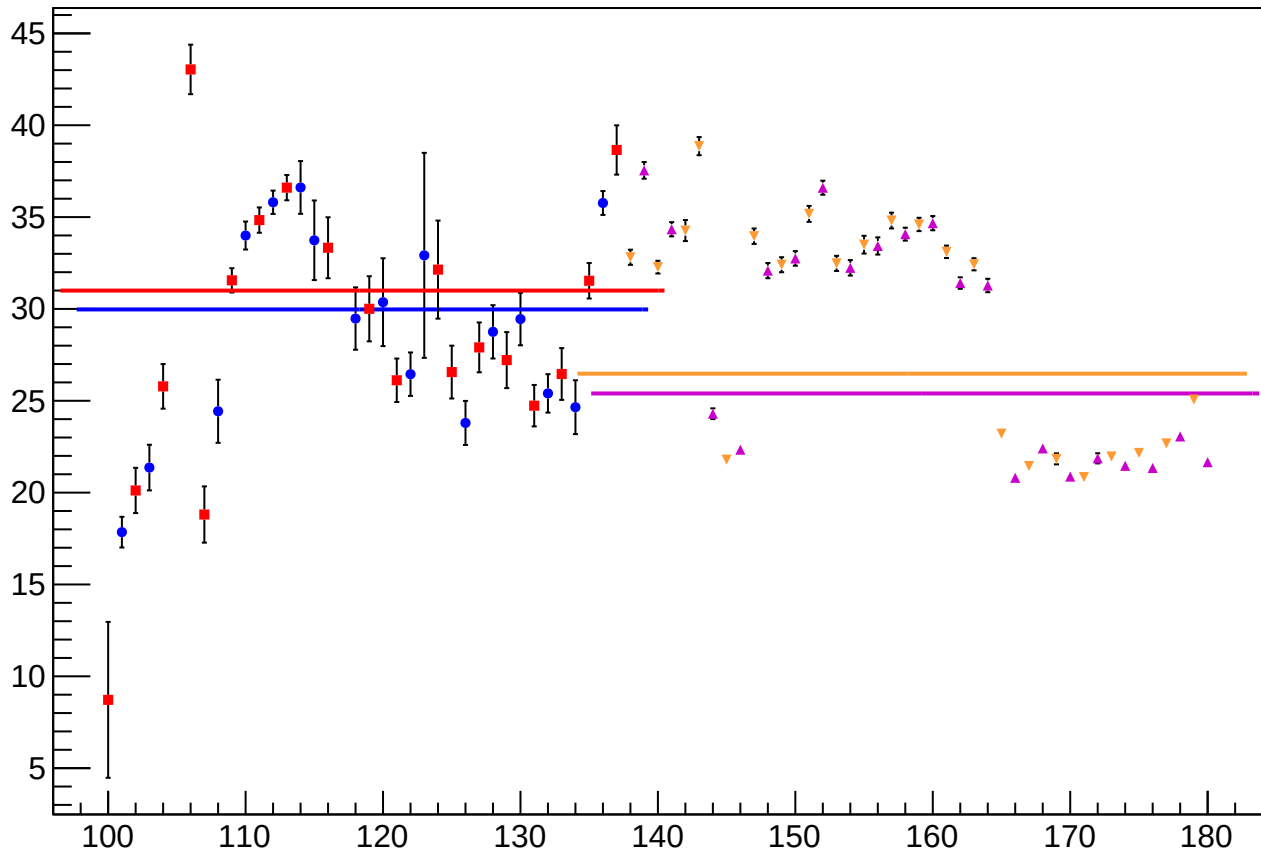
Left In: -2.029 ± 0.051 χ^2/NDF : 637.1/20

+ sign -2.031 ± 0.049 χ^2/NDF : 624.1/38

All: -2.106 ± 0.034 χ^2/NDF : 1644.4/78

- sign -2.177 ± 0.048 χ^2/NDF : 1015.8/39

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 26.476 ± 0.068 $\chi^2/\text{NDF}: 6782.6/21$

Right Out: 30.999 ± 0.260 $\chi^2/\text{NDF}: 479.5/18$

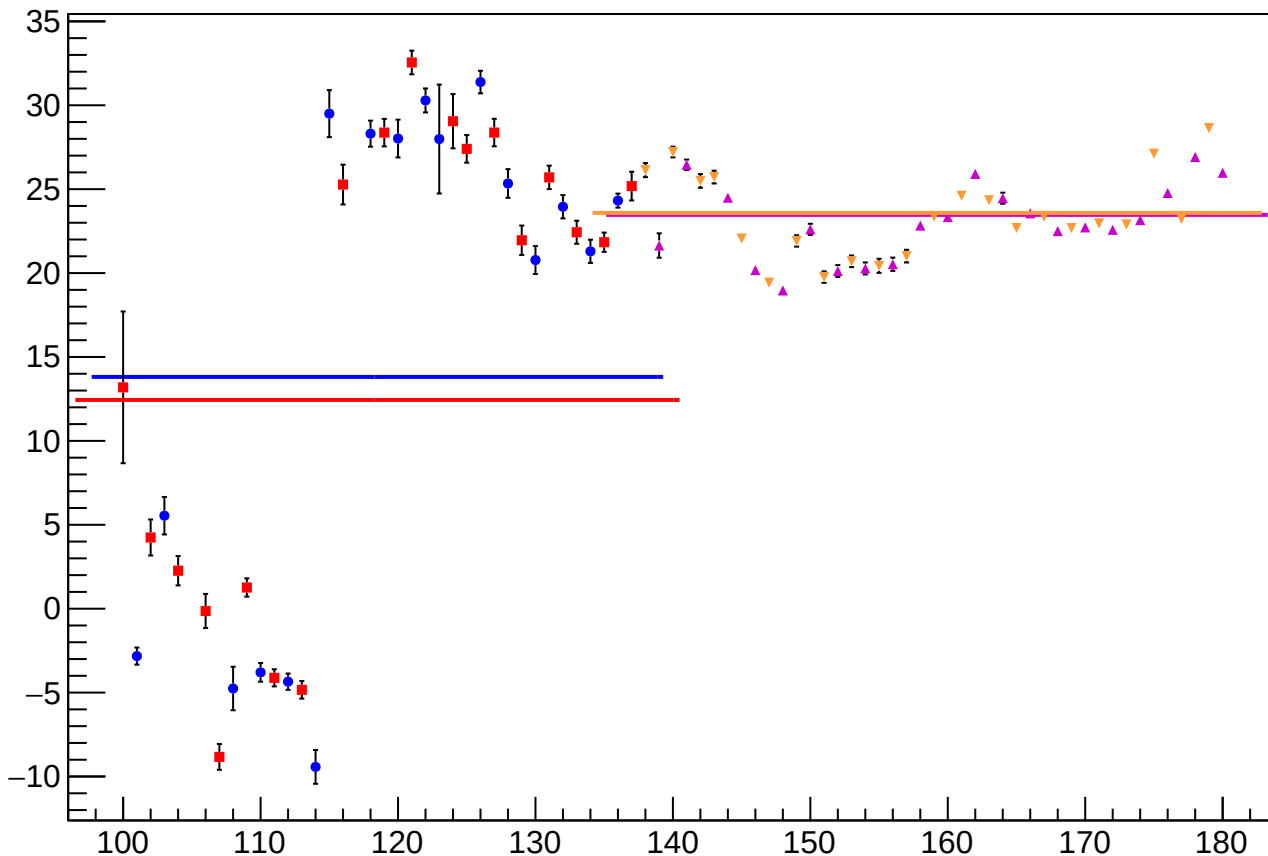
Left In: 25.399 ± 0.064 $\chi^2/\text{NDF}: 7285.7/20$

+ sign 26.687 ± 0.066 $\chi^2/\text{NDF}: 7497.7/38$

All: 26.178 ± 0.045 $\chi^2/\text{NDF}: 15814.2/78$

- sign 25.720 ± 0.062 $\chi^2/\text{NDF}: 8202.3/39$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 23.587 $\pm$ 0.059 χ^2 /NDF:1532.7/21

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

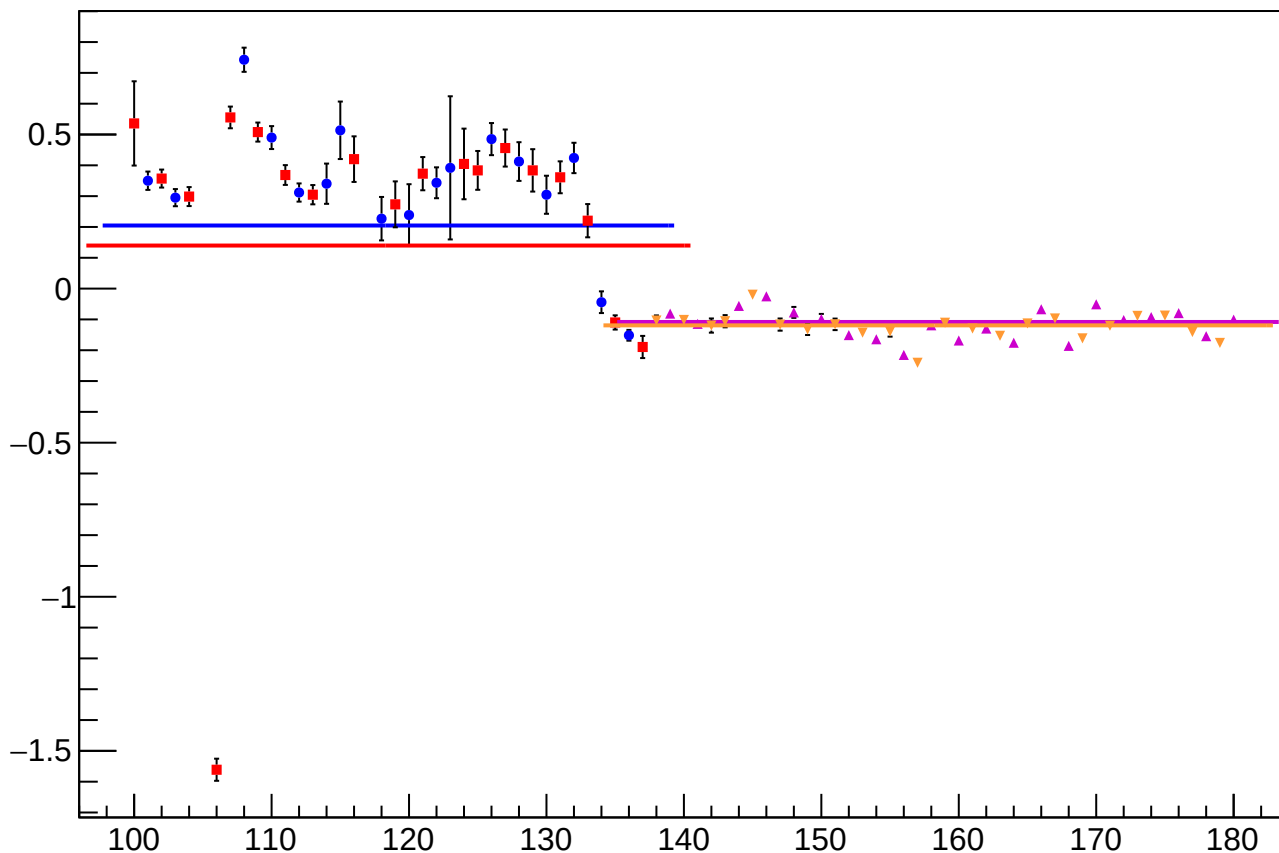
Left In: 23.468 $\pm$ 0.057 χ^2 /NDF:1392.8/20

+ sign 22.577 $\pm$ 0.056 χ^2 /NDF: 11724.3/38

All: 22.485 $\pm$ 0.039 χ^2 /NDF: 23731.1/78

- sign 22.398 $\pm$ 0.054 χ^2 /NDF: 12001.5/39

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.119 ± 0.003 χ^2/NDF : 249.8/21

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

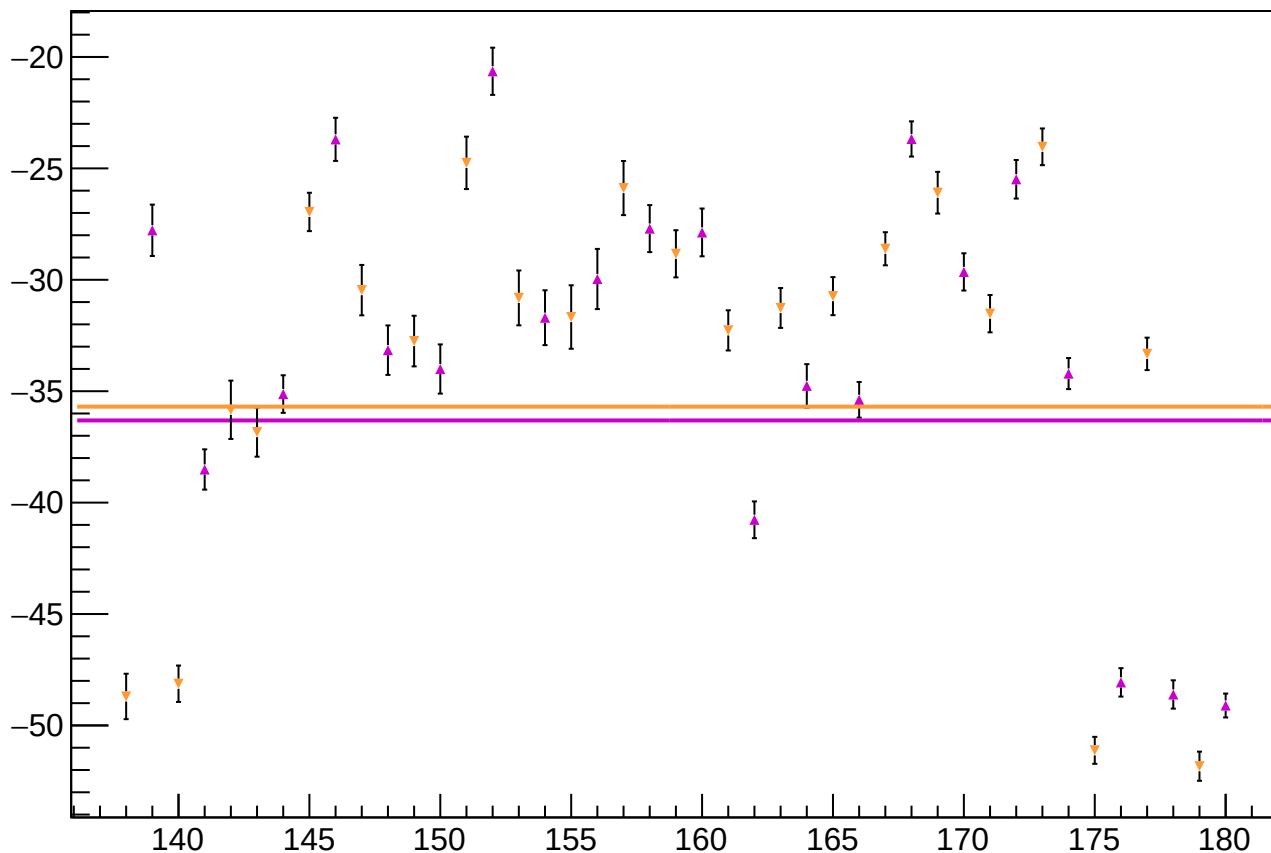
Left In: -0.108 ± 0.003 χ^2/NDF : 317.8/20

+ sign -0.095 ± 0.003 χ^2/NDF : 2199.4/38

All: -0.092 ± 0.002 χ^2/NDF : 6204.6/78

- sign -0.090 ± 0.003 χ^2/NDF : 4003.5/39

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -35.693 ± 0.193 χ^2/NDF : 2506.9/21

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

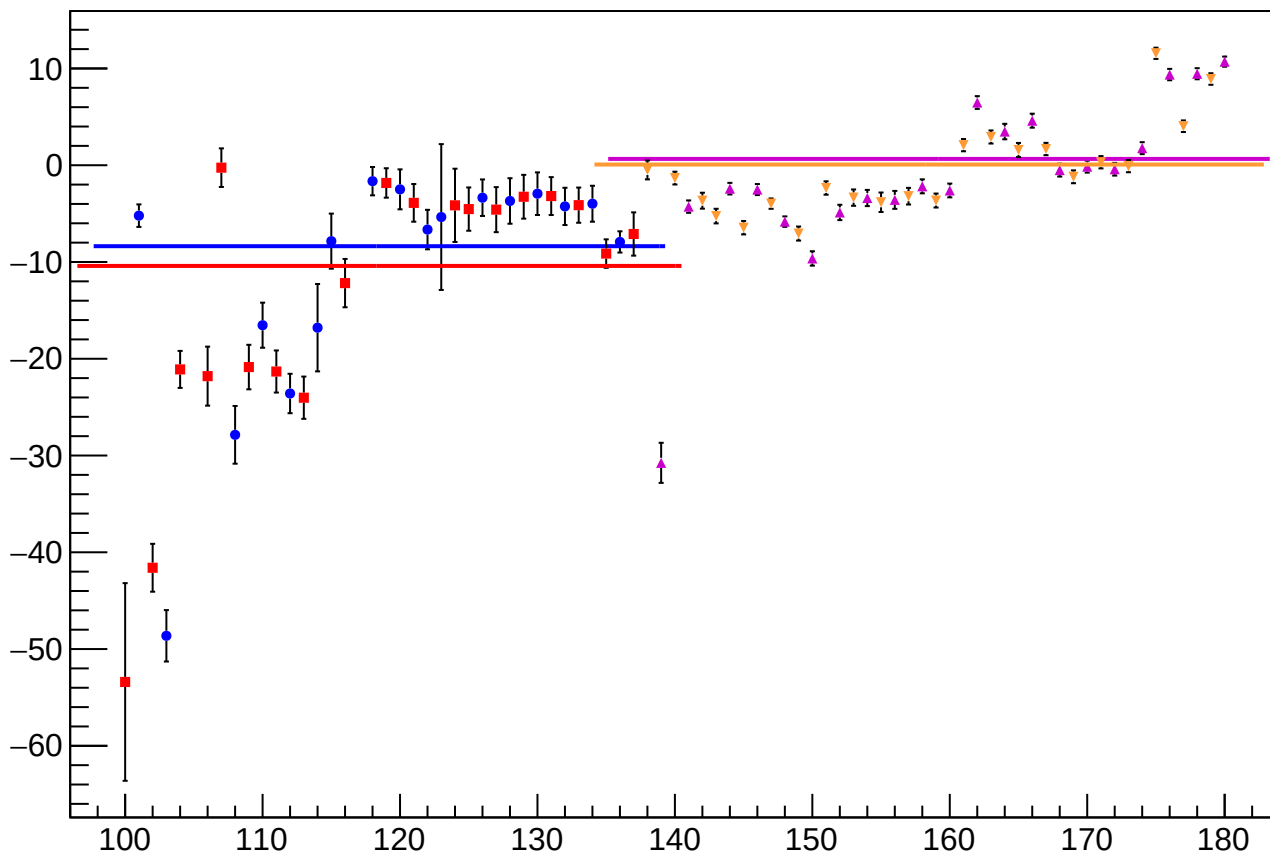
Left In: -36.312 ± 0.186 χ^2/NDF : 2431.9/20

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -36.014 ± 0.134 χ^2/NDF : 4944.1/42

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: 0.072 ± 0.147 χ^2/NDF : 1096.1/21

Right Out: -10.405 ± 0.491 χ^2/NDF : 430.3/18

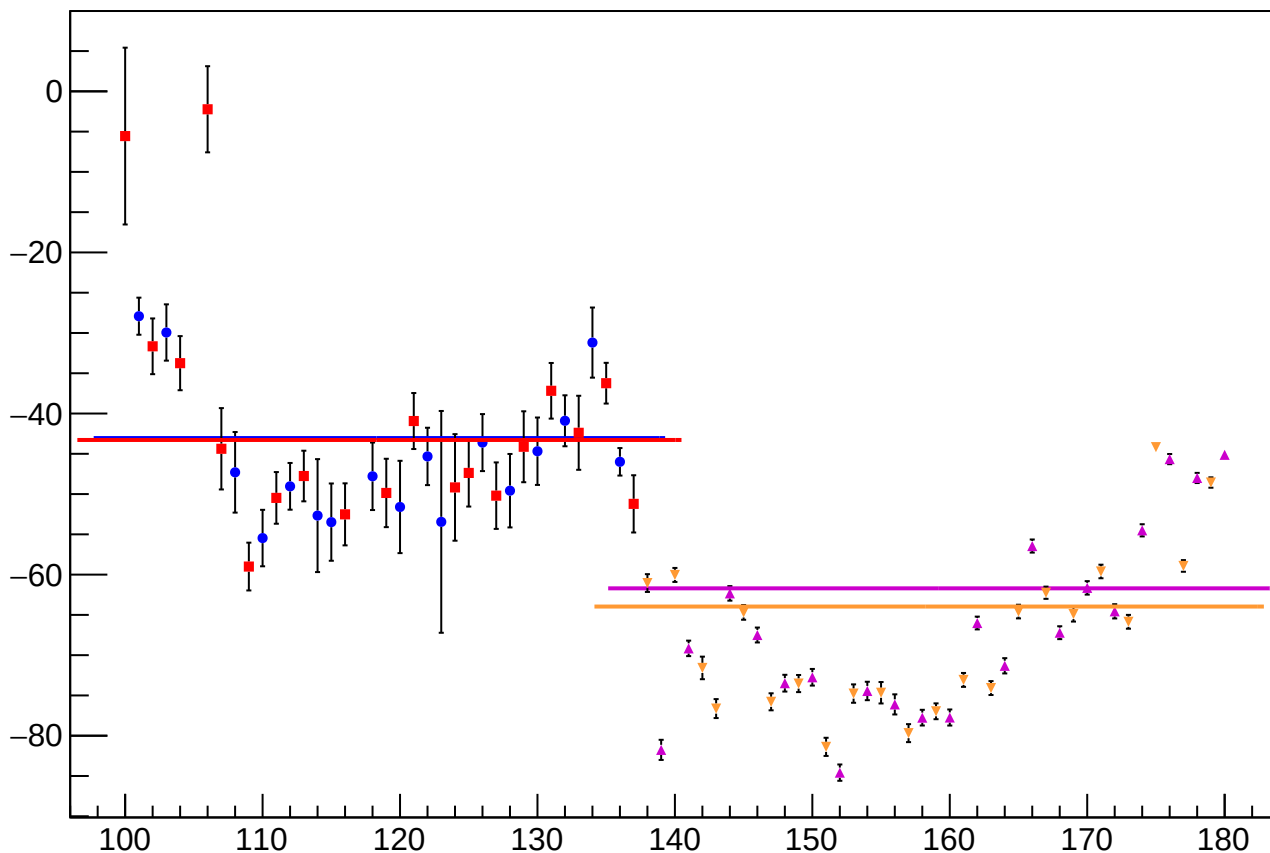
Left In: 0.654 ± 0.146 χ^2/NDF : 1766.6/20

+ sign -0.688 ± 0.140 χ^2/NDF : 1803.3/38

All: -0.466 ± 0.099 χ^2/NDF : 4471.3/78

- sign -0.243 ± 0.140 χ^2/NDF : 2663.0/39

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$

Left Out: -63.964 ± 0.192 $\chi^2/\text{NDF}: 3120.9/21$

Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$

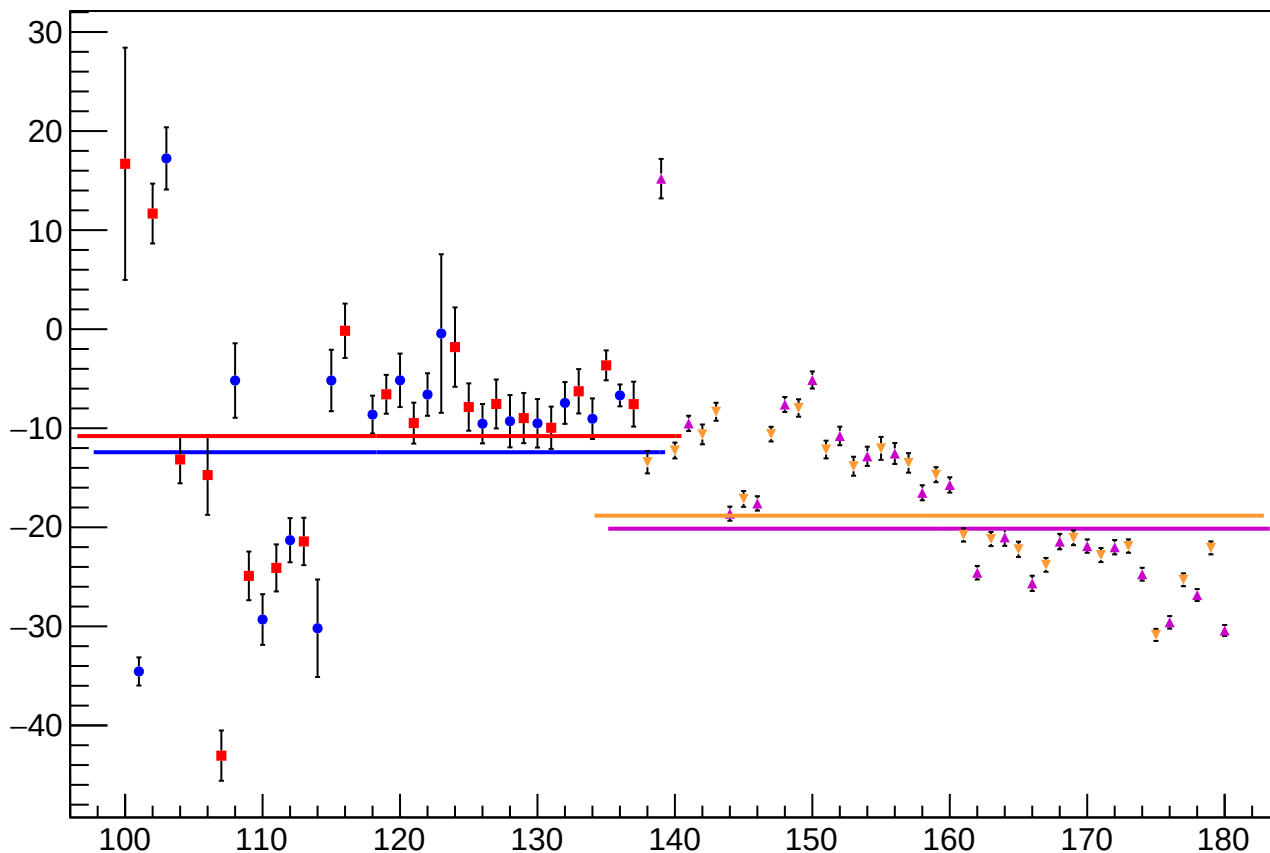
Left In: -61.704 ± 0.185 $\chi^2/\text{NDF}: 4304.5/20$

+ sign -62.916 ± 0.187 $\chi^2/\text{NDF}: 3812.7/38$

All: -61.874 ± 0.130 $\chi^2/\text{NDF}: 8763.1/78$

- sign -60.901 ± 0.181 $\chi^2/\text{NDF}: 4890.5/39$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -18.822 ± 0.166 χ^2/NDF : 1409.9/21

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

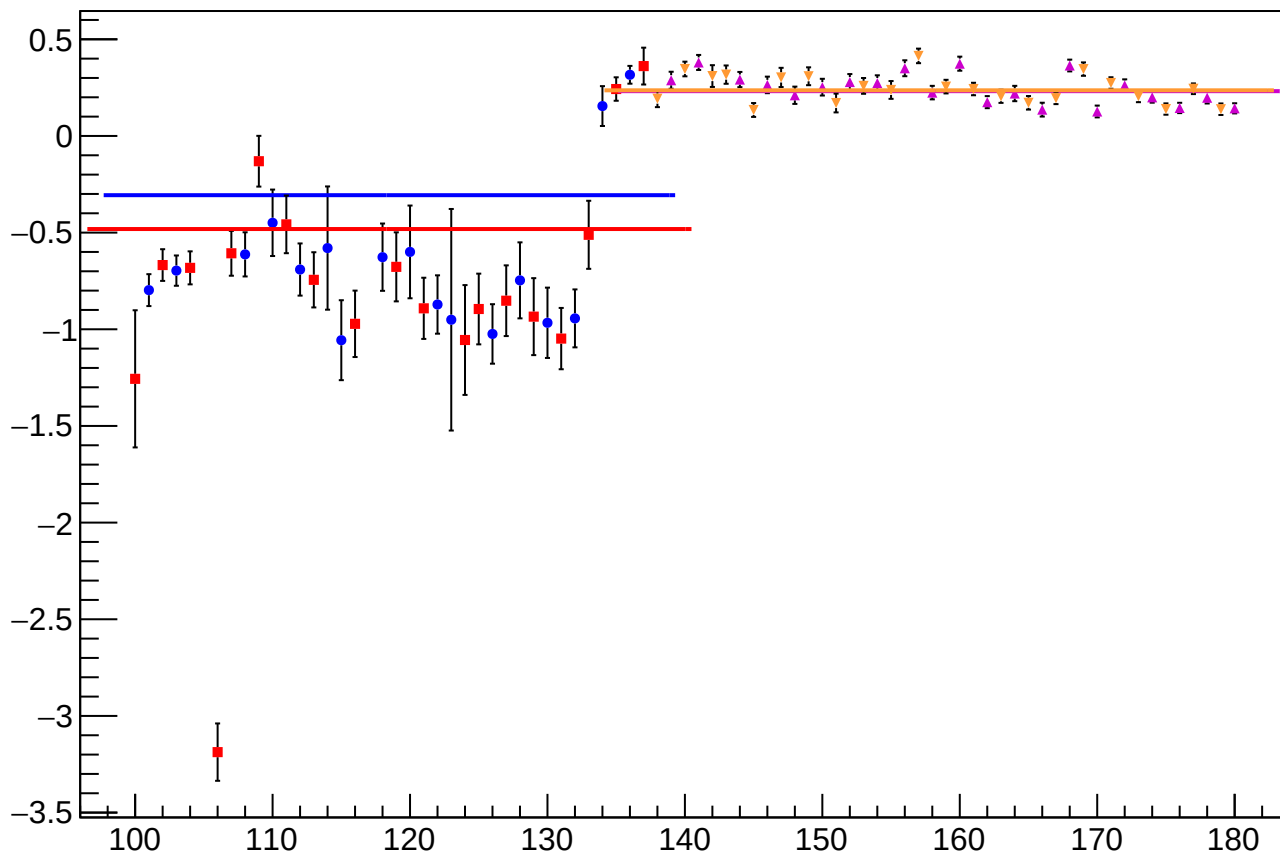
Left In: -20.140 ± 0.164 χ^2/NDF : 2208.9/20

+ sign -18.235 ± 0.158 χ^2/NDF : 2020.3/38

All: -18.813 ± 0.112 χ^2/NDF : 4883.5/78

- sign -19.384 ± 0.157 χ^2/NDF : 2836.7/39

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.236 ± 0.008 χ^2/NDF : 91.5/21

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

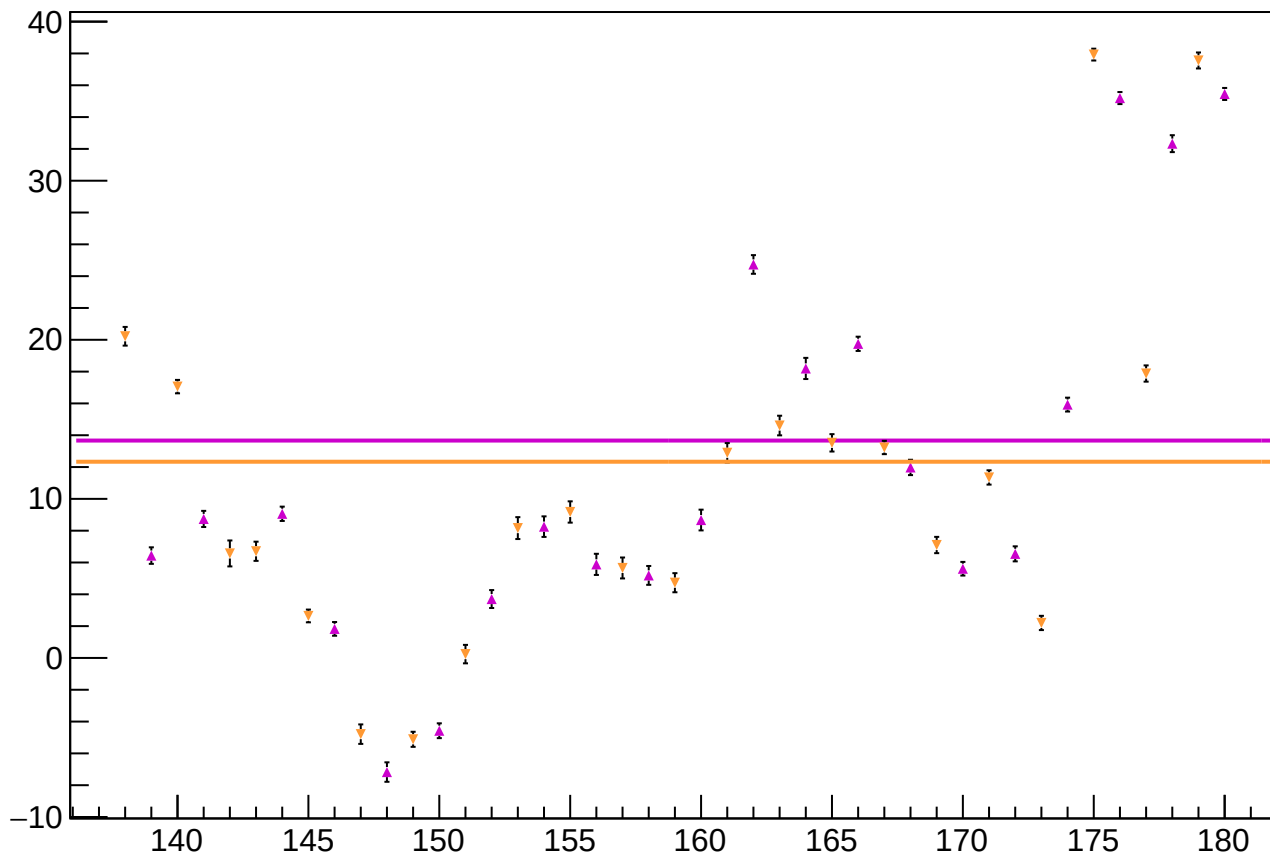
Left In: 0.232 ± 0.008 χ^2/NDF : 112.4/20

+ sign 0.197 ± 0.007 χ^2/NDF : 822.3/38

All: 0.191 ± 0.005 χ^2/NDF : 2145.7/78

- sign 0.185 ± 0.007 χ^2/NDF : 1322.2/39

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 12.335+/-0.111 χ^2/NDF :11921.1/21

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

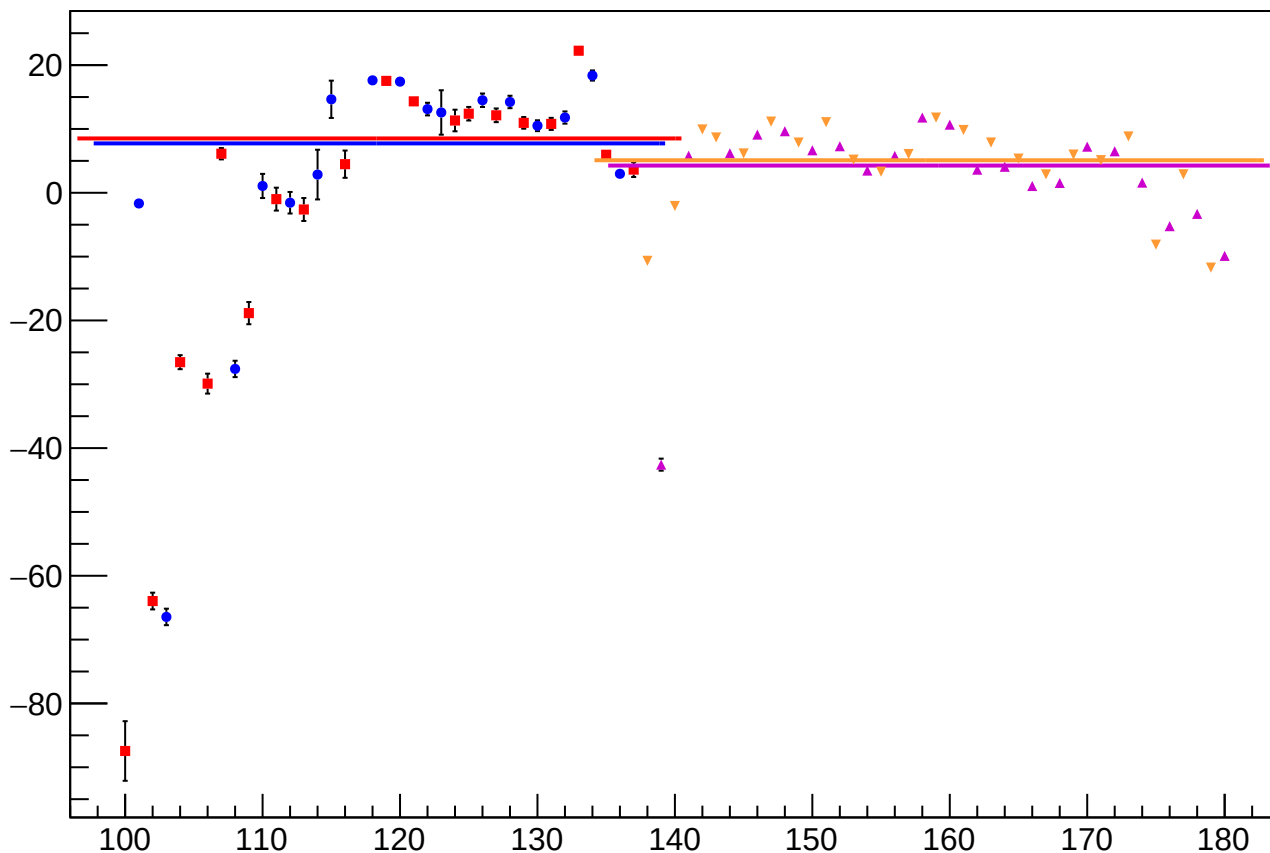
Left In: 13.666+/-0.108 χ^2/NDF :13604.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 13.015+/-0.077 χ^2/NDF : 25599.6/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 $\chi^2/\text{NDF}: 5300.6/16$

Left Out: 5.095 ± 0.083 $\chi^2/\text{NDF}: 5398.6/21$

Right Out: 8.514 ± 0.213 $\chi^2/\text{NDF}: 6719.4/18$

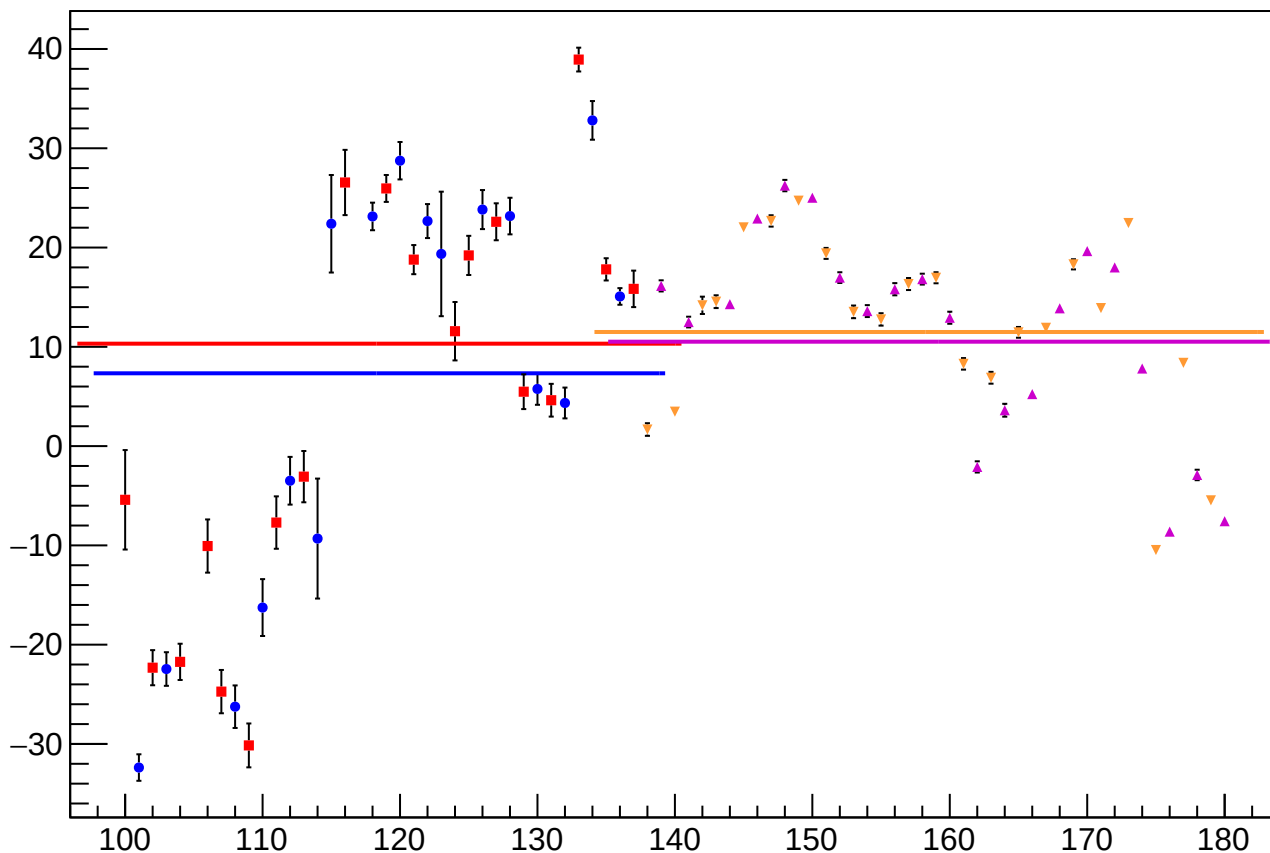
Left In: 4.265 ± 0.084 $\chi^2/\text{NDF}: 6528.2/20$

+ sign 5.431 ± 0.078 $\chi^2/\text{NDF}: 10827.3/38$

All: 5.132 ± 0.055 $\chi^2/\text{NDF}: 24448.4/78$

- sign 4.832 ± 0.078 $\chi^2/\text{NDF}: 13591.6/39$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 11.495 ± 0.110 χ^2/NDF : 8397.6/21

Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18

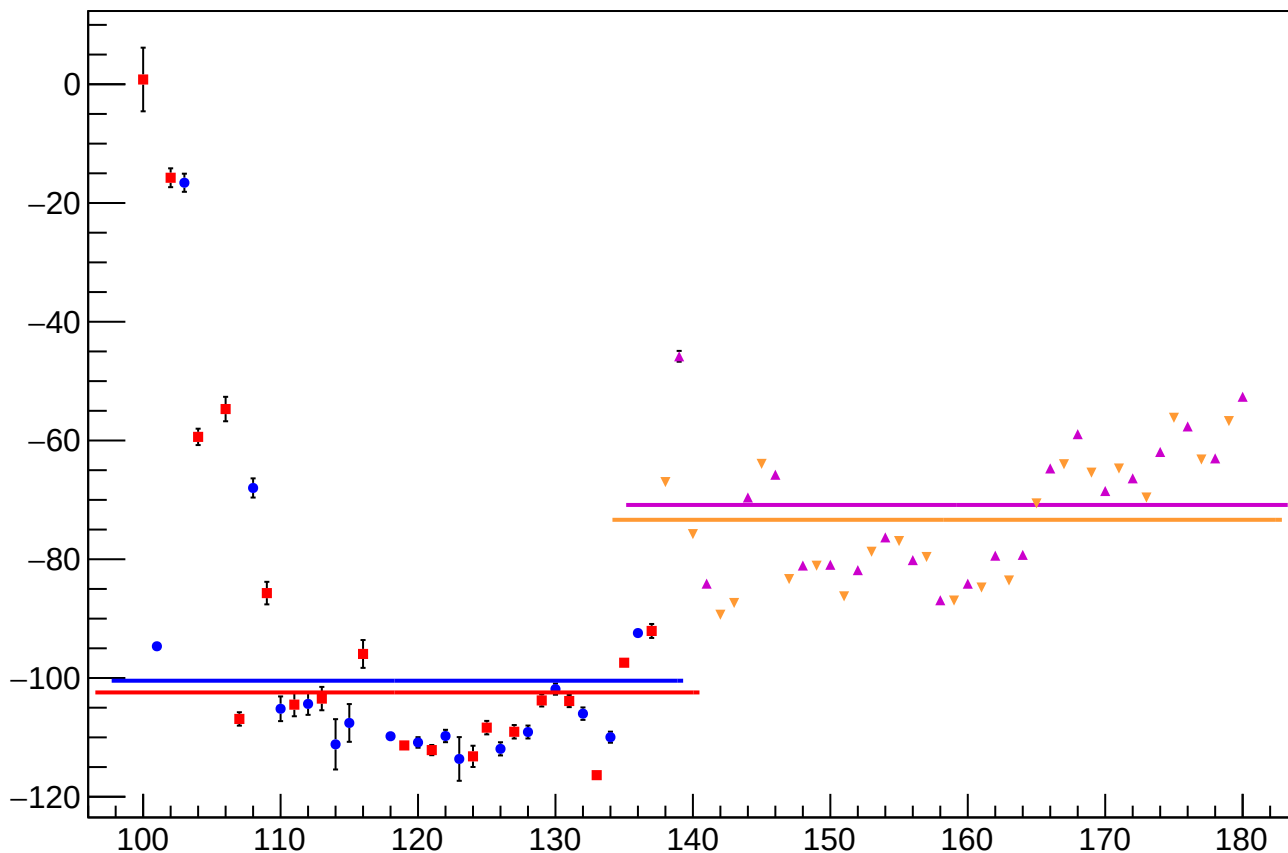
Left In: 10.517 ± 0.108 χ^2/NDF : 10394.9/20

+ sign 11.225 ± 0.107 χ^2/NDF : 10783.1/38

All: 10.856 ± 0.075 χ^2/NDF : 23483.1/78

- sign 10.505 ± 0.104 χ^2/NDF : 12676.6/39

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -73.356 ± 0.095 χ^2/NDF : 11644.5/21

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

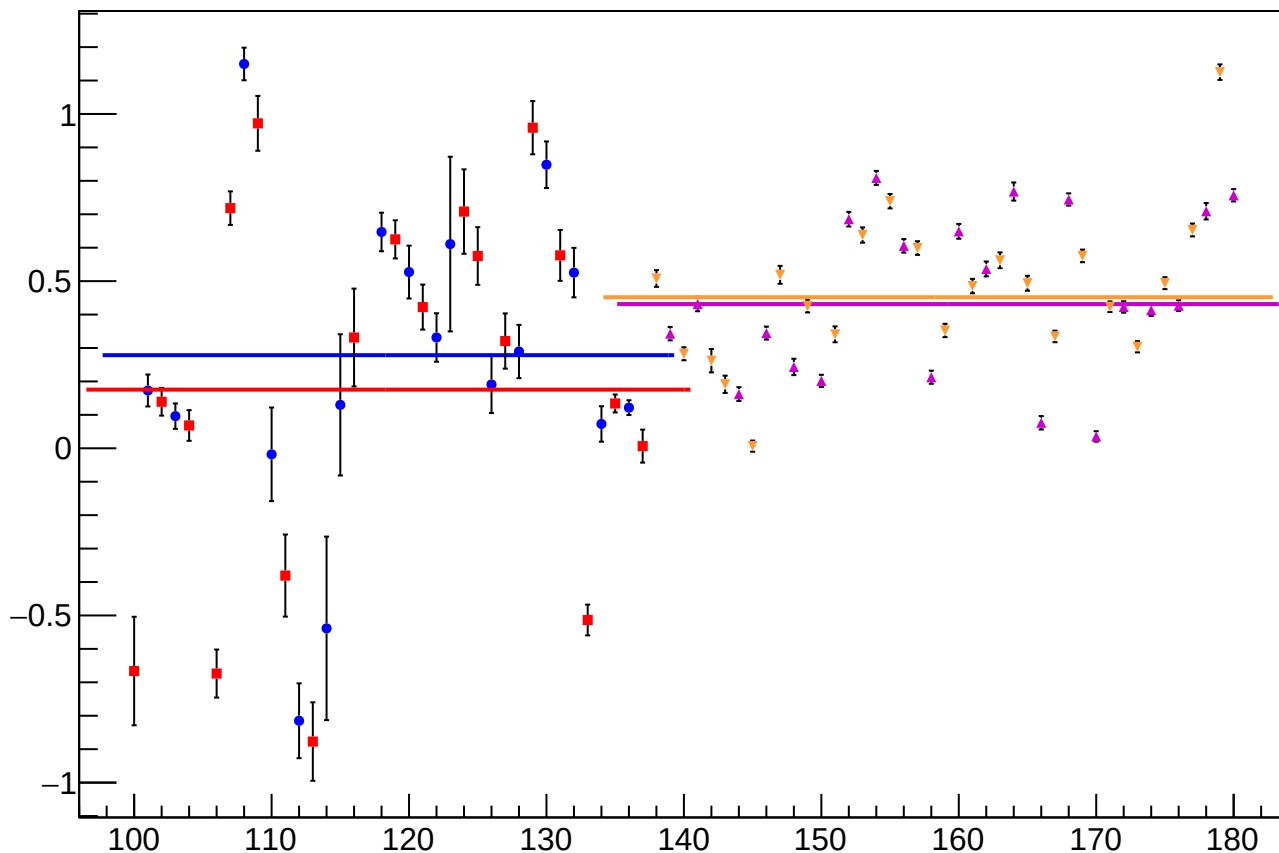
Left In: -70.854 ± 0.095 χ^2/NDF : 11950.2/20

+ sign -76.754 ± 0.089 χ^2/NDF : 26323.1/38

All: -75.840 ± 0.063 χ^2/NDF : 58896.8/78

- sign -74.933 ± 0.089 χ^2/NDF : 32362.8/39

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.452 ± 0.004 χ^2/NDF : 2432.9/21

Right Out: 0.175 ± 0.013 χ^2/NDF : 967.7/18

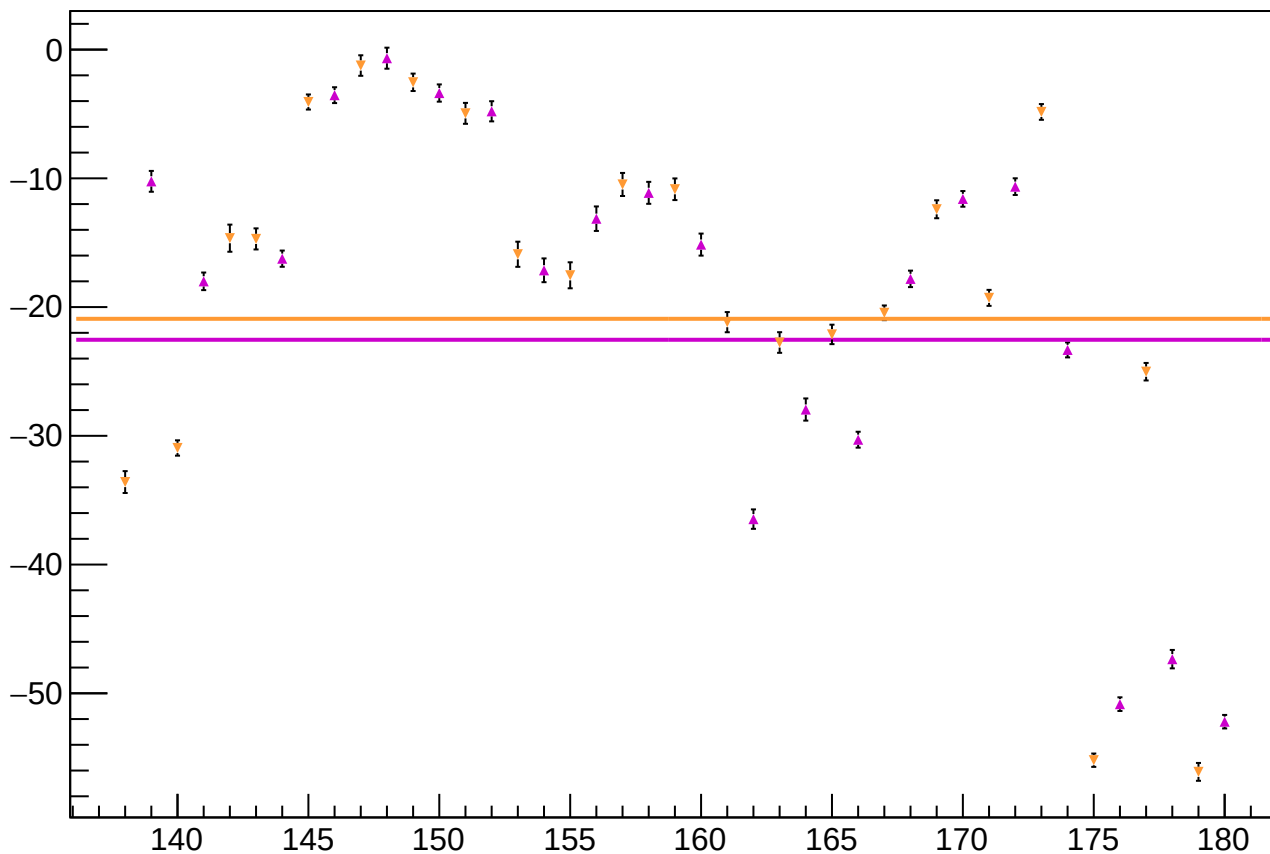
Left In: 0.431 ± 0.004 χ^2/NDF : 3031.9/20

+ sign 0.435 ± 0.004 χ^2/NDF : 3235.6/38

All: 0.421 ± 0.003 χ^2/NDF : 7584.8/78

- sign 0.408 ± 0.004 χ^2/NDF : 4326.8/39

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -20.911+/-0.153 χ^2/NDF :11315.1/21

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

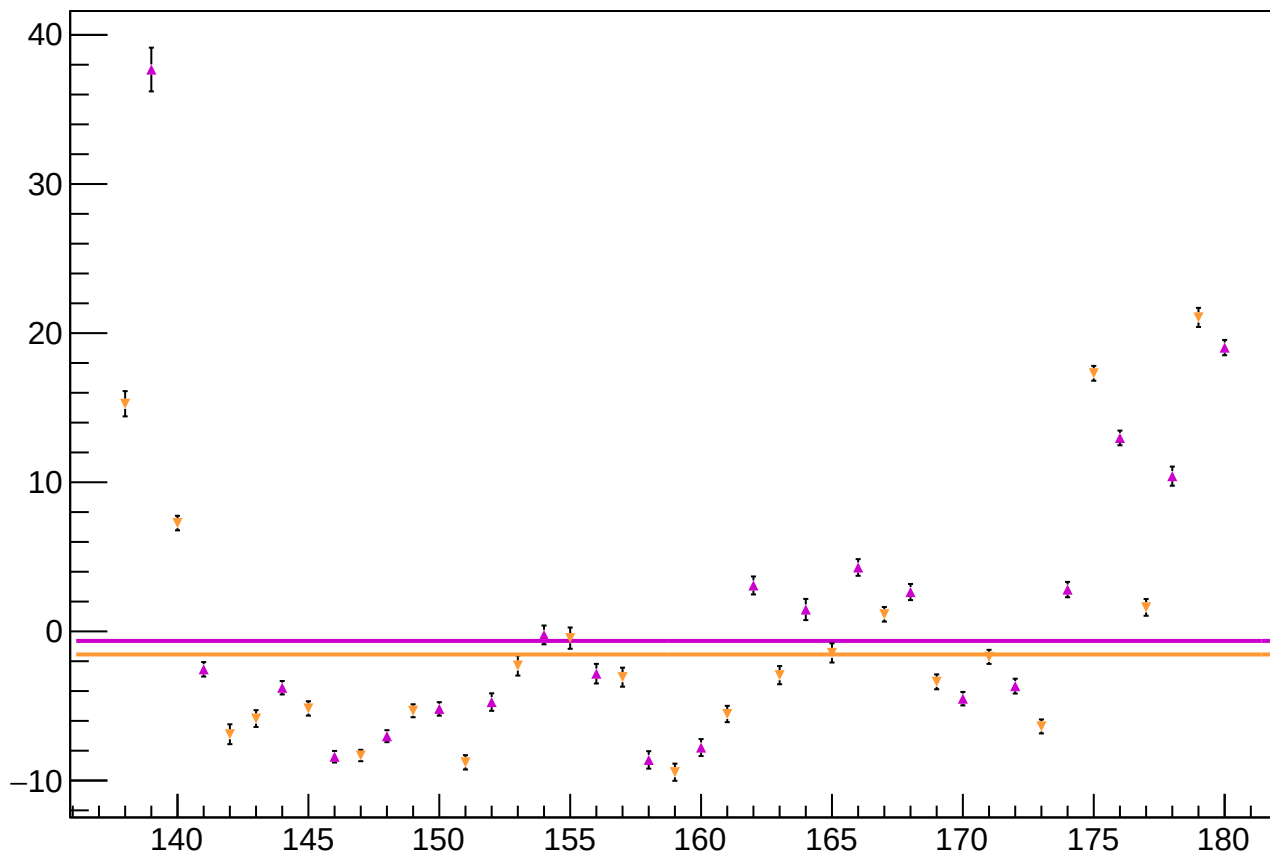
Left In: -22.539+/-0.150 χ^2/NDF :12253.9/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.741+/-0.107 χ^2/NDF : 23626.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

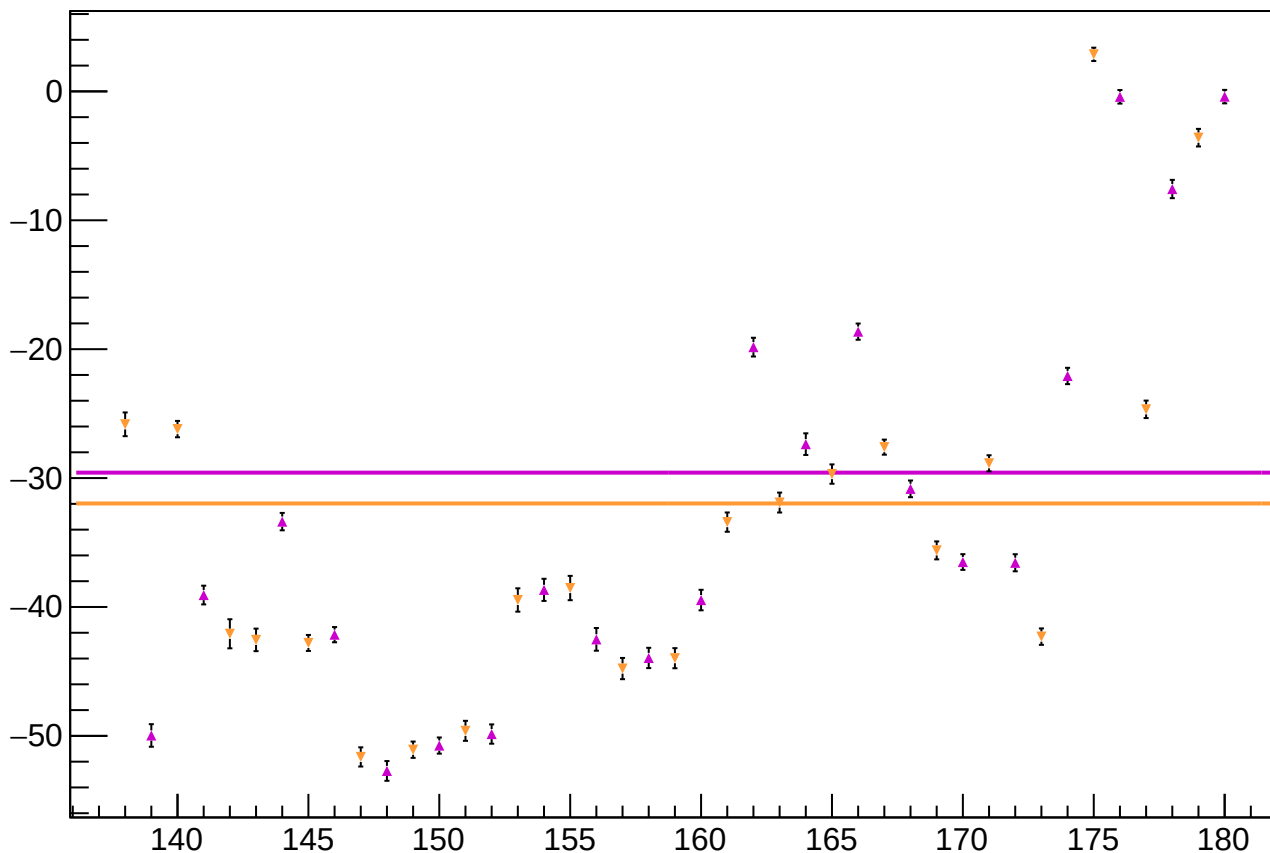
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.547+/-0.114 χ^2/NDF : 4623.7/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.637+/-0.115 χ^2/NDF : 4734.6/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -1.096+/-0.081 χ^2/NDF : 9389.8/42
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -31.969 $\pm$ 0.152 χ^2 /NDF:10125.9/21

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

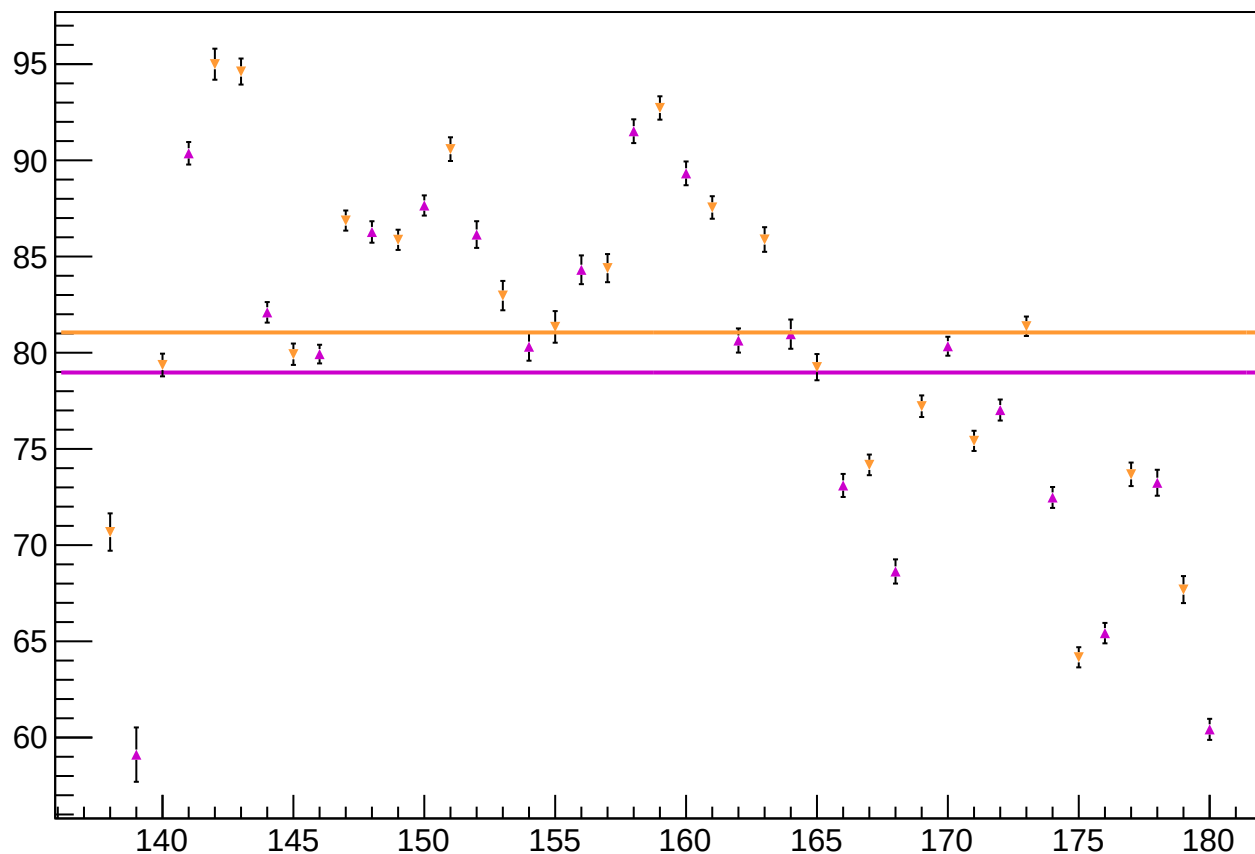
Left In: -29.577 $\pm$ 0.149 χ^2 /NDF:12826.7/20

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

All: -30.746 $\pm$ 0.107 χ^2 /NDF: 23078.6/42

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

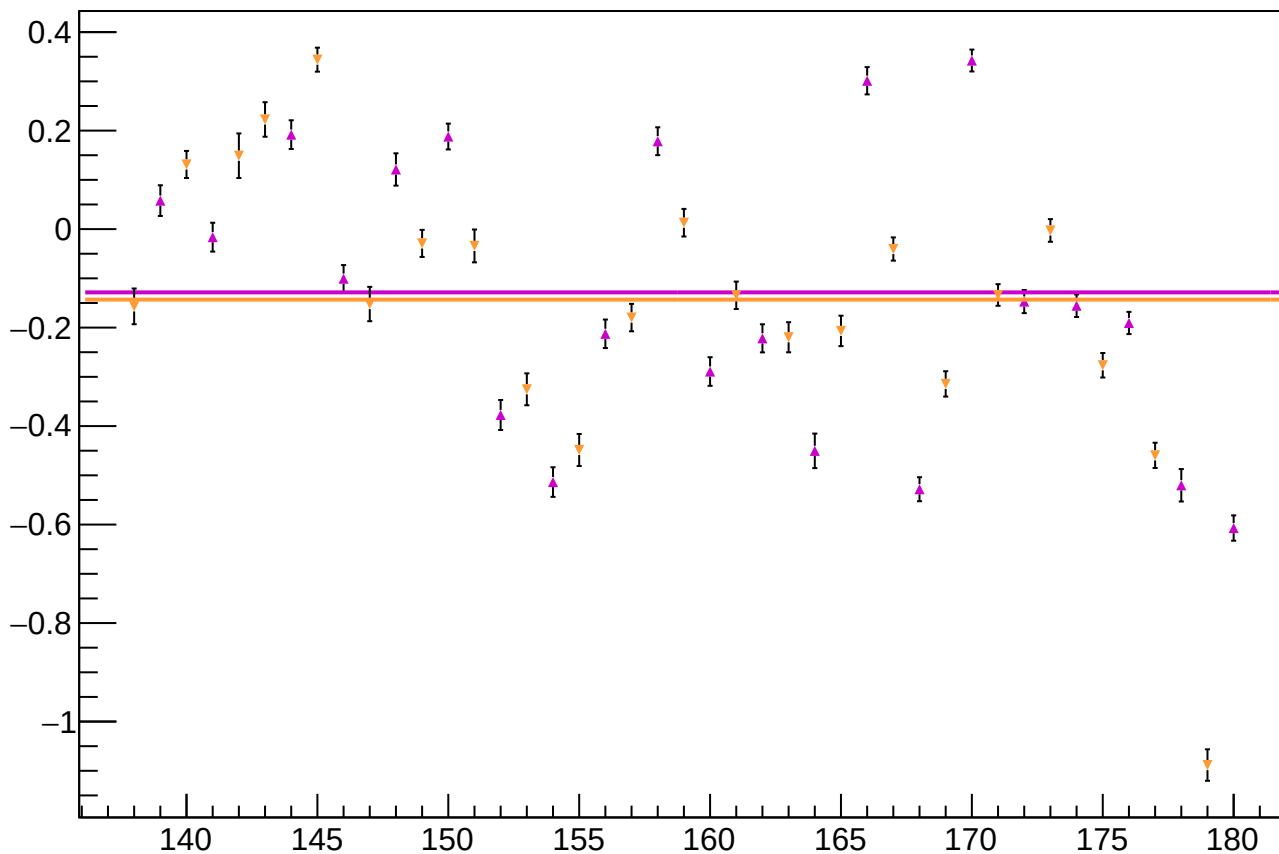
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 81.053+/-0.131 χ^2/NDF : 3731.0/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 78.971+/-0.131 χ^2/NDF : 4328.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 80.013+/-0.092 χ^2/NDF : 8186.8/42
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

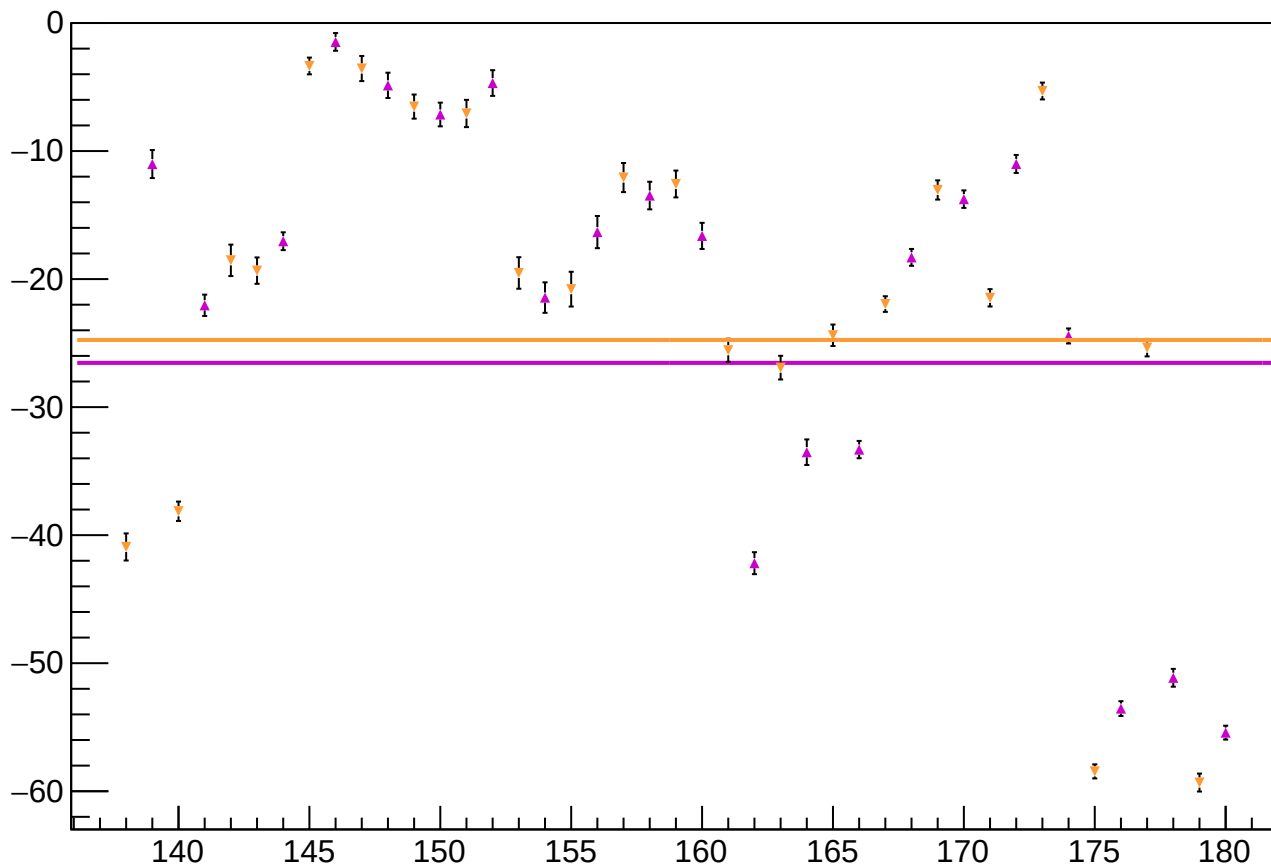
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.143 $\pm$ 0.006 χ^2 /NDF:1997.1/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.128 $\pm$ 0.006 χ^2 /NDF:2315.0/20

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.136 $\pm$ 0.004 χ^2 /NDF: 4315.0/42
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -24.754+/-0.175 χ^2/NDF :10443.7/21

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

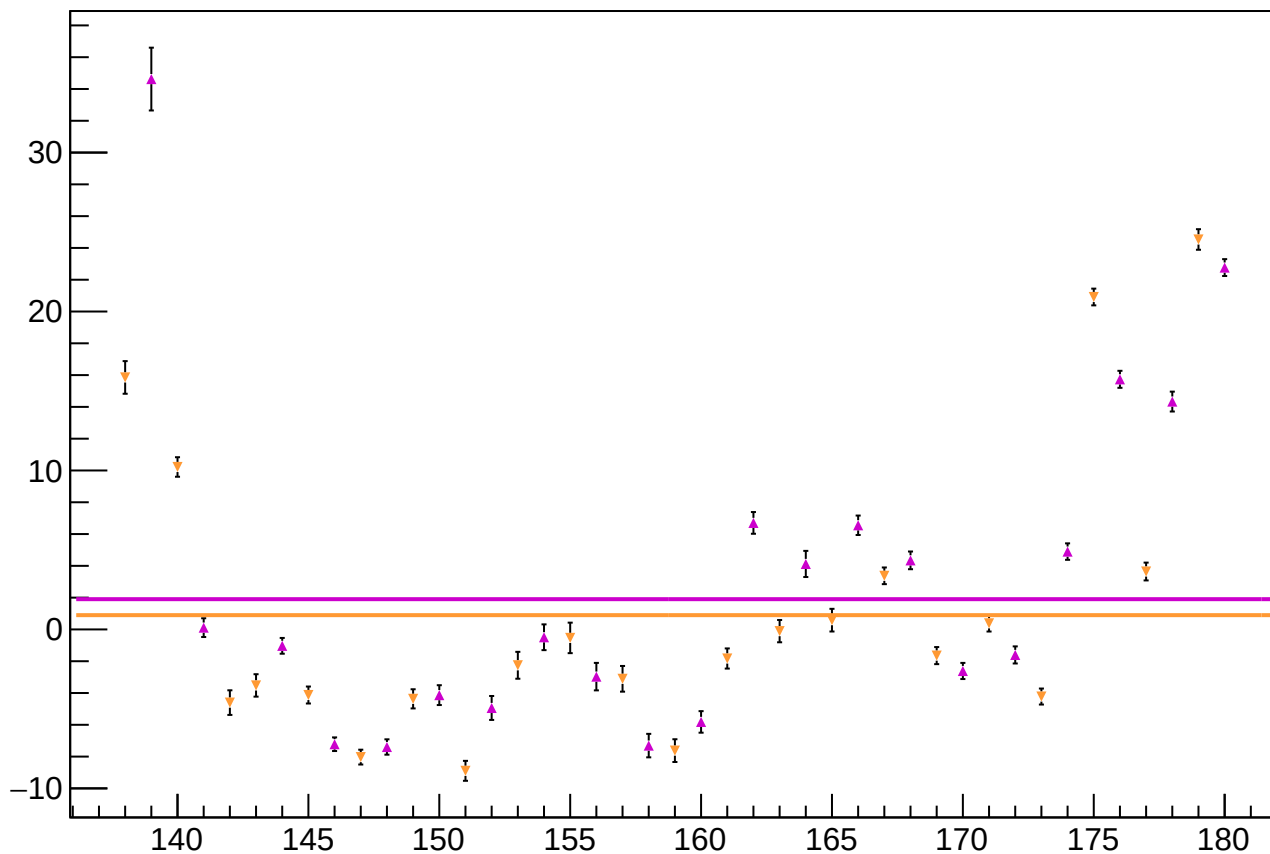
Left In: -26.547+/-0.169 χ^2/NDF :11198.6/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -25.682+/-0.121 χ^2/NDF : 21696.8/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 0.898 $\pm$ 0.132 χ^2 /NDF:4460.9/21

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

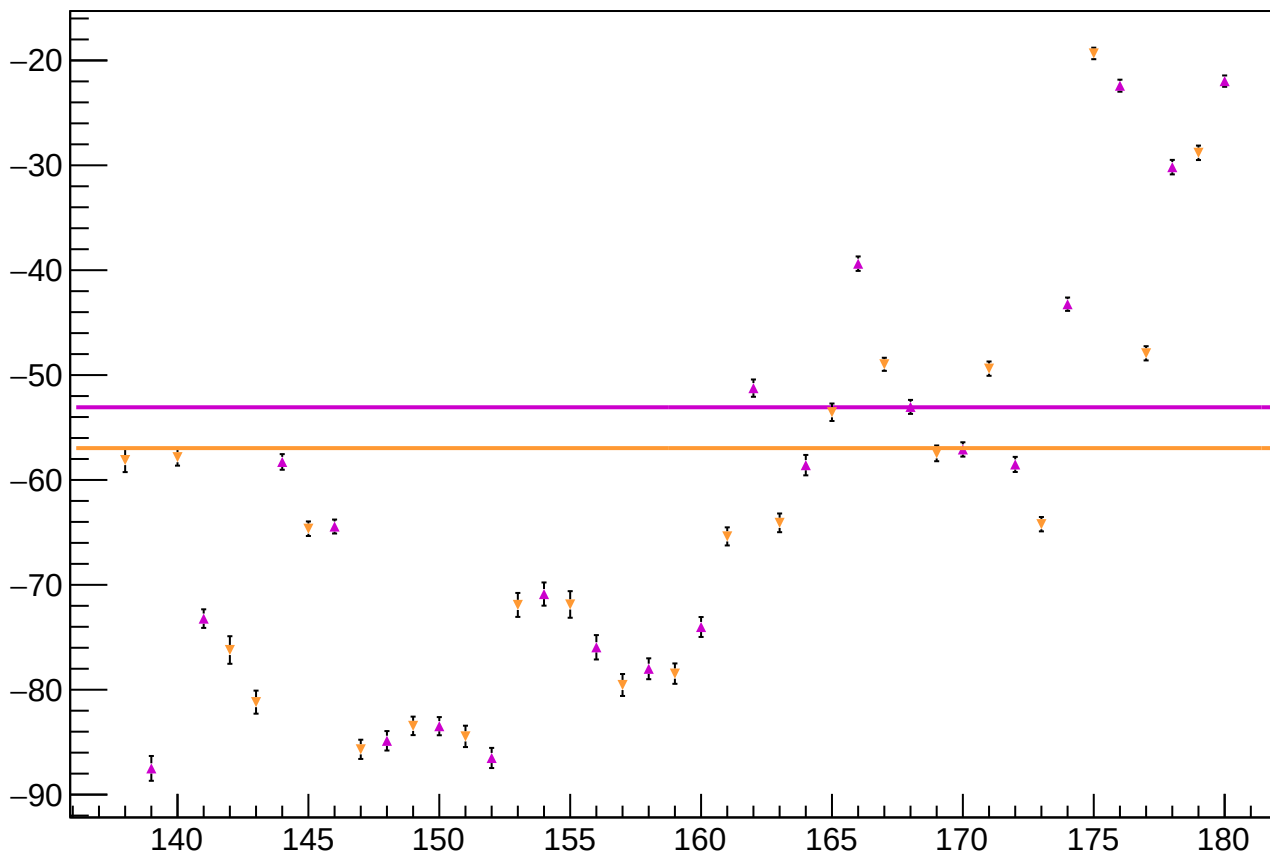
Left In: 1.903 $\pm$ 0.131 χ^2 /NDF:4543.5/20

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

All: 1.406 $\pm$ 0.093 χ^2 /NDF: 9033.6/42

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

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -56.964+/-0.175 χ^2/NDF :11803.8/21

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

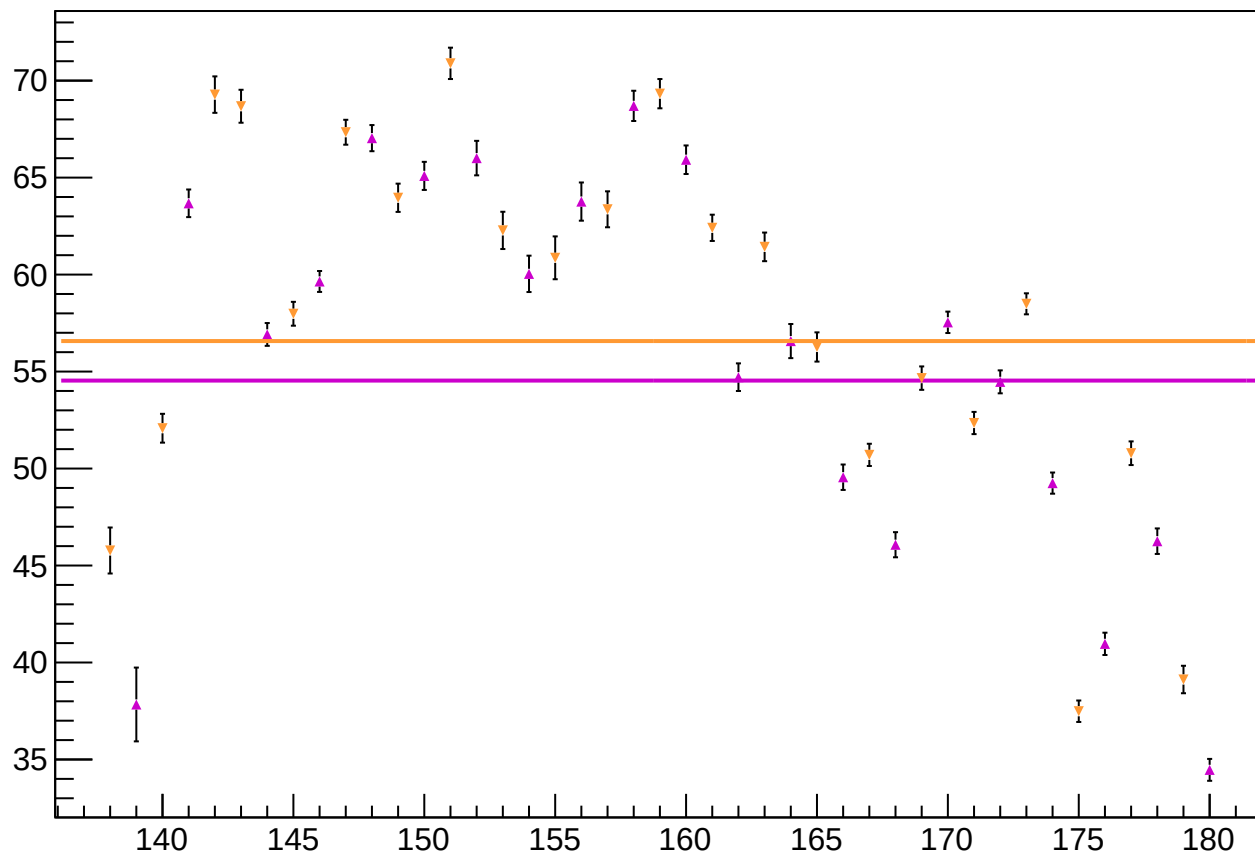
Left In: -53.070+/-0.168 χ^2/NDF :15130.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -54.946+/-0.121 χ^2/NDF : 27191.7/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

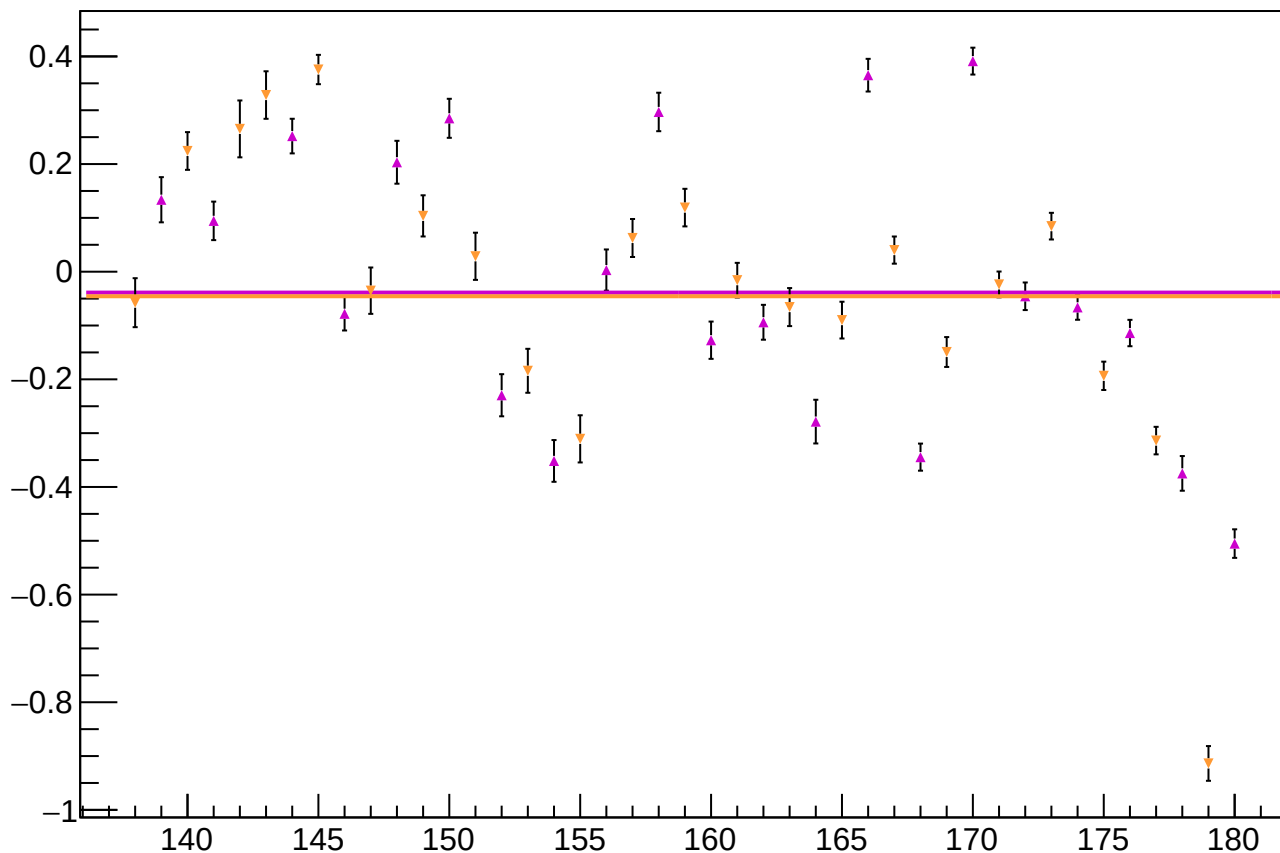
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 56.573+/-0.150 χ^2/NDF :3783.8/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 54.535+/-0.148 χ^2/NDF :4099.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 55.540+/-0.105 χ^2/NDF : 7976.7/42
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

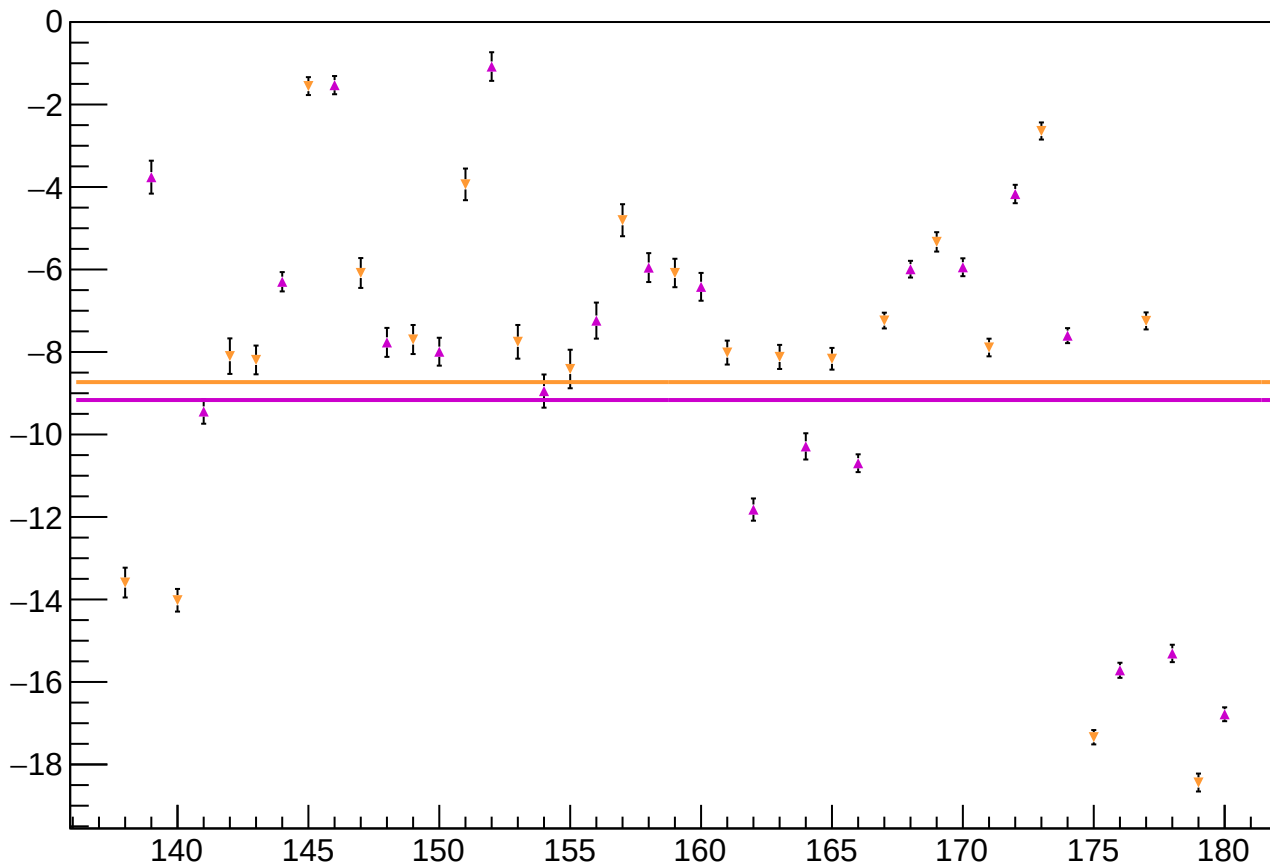
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.046 $\pm$ 0.007 χ^2 /NDF:1424.9/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.039 $\pm$ 0.007 χ^2 /NDF:1502.6/20

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.042 $\pm$ 0.005 χ^2 /NDF: 2928.0/42
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

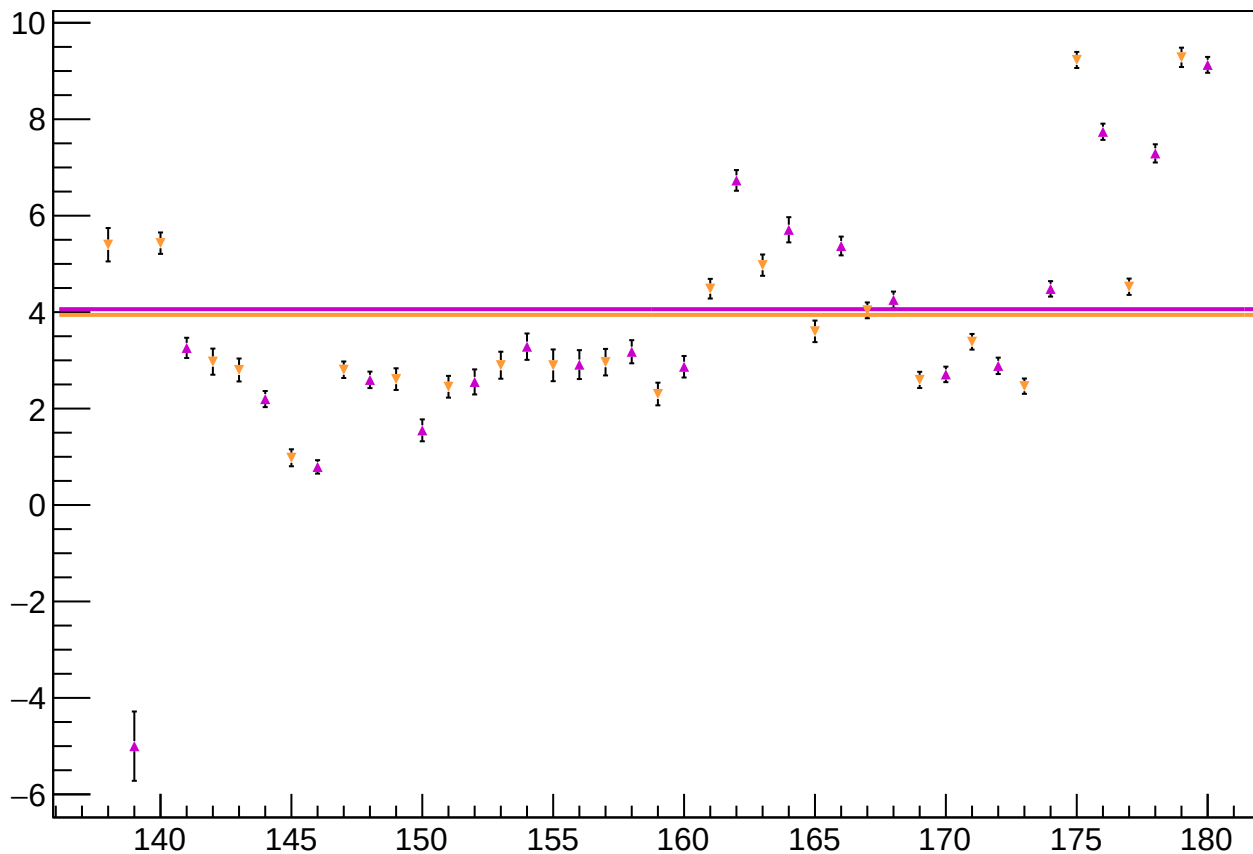
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -8.730 ± 0.057 χ^2/NDF : 7694.5/21
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -9.165 ± 0.054 χ^2/NDF : 7651.7/20

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: -8.957 ± 0.039 χ^2/NDF : 15376.8/42
 - sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 3.943 $\pm$ 0.043 χ^2 /NDF:2508.2/21

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

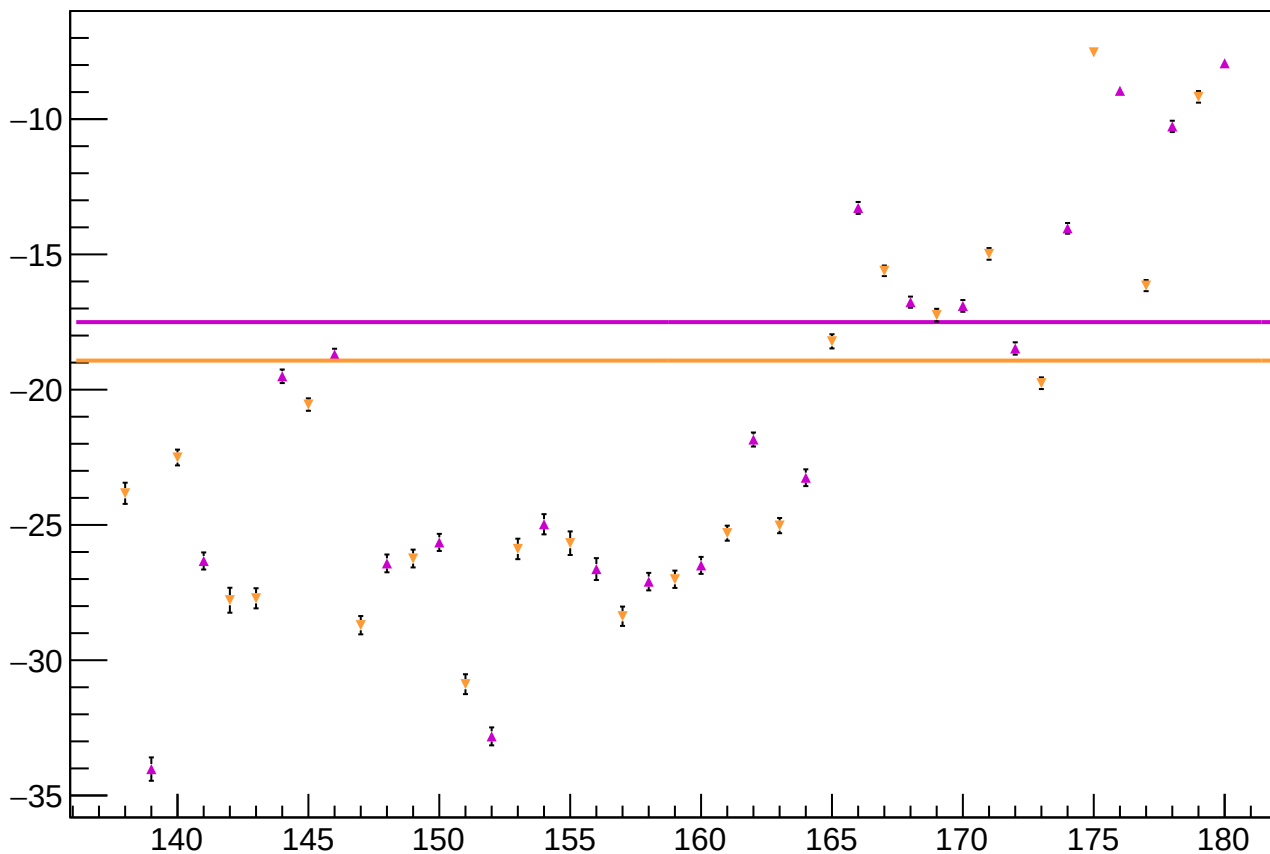
Left In: 4.061 $\pm$ 0.043 χ^2 /NDF:3225.7/20

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

All: 4.003 $\pm$ 0.030 χ^2 /NDF: 5737.7/42

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

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -18.925 $\pm$ 0.057 χ^2 /NDF:13806.8/21

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

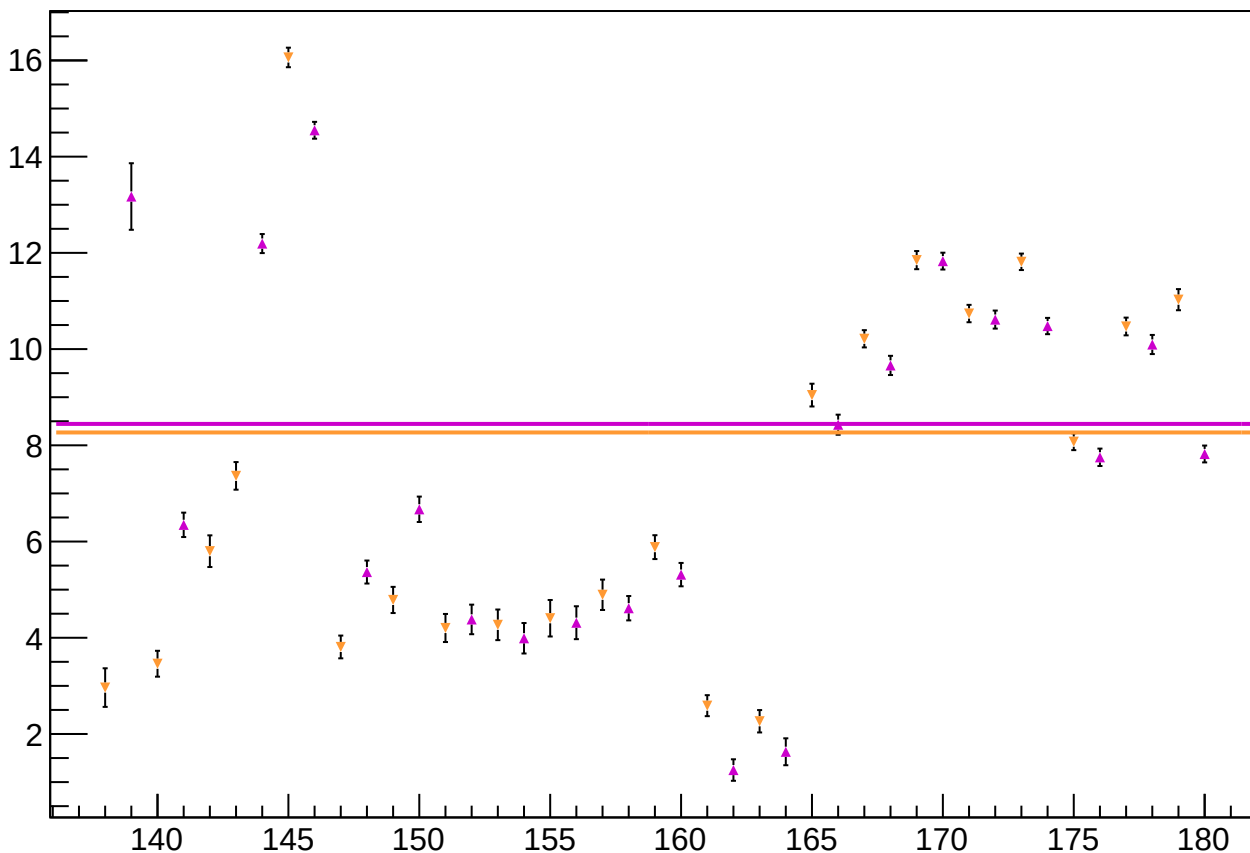
Left In: -17.503 $\pm$ 0.054 χ^2 /NDF:16494.9/20

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

All: -18.182 $\pm$ 0.039 χ^2 /NDF: 30629.2/42

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

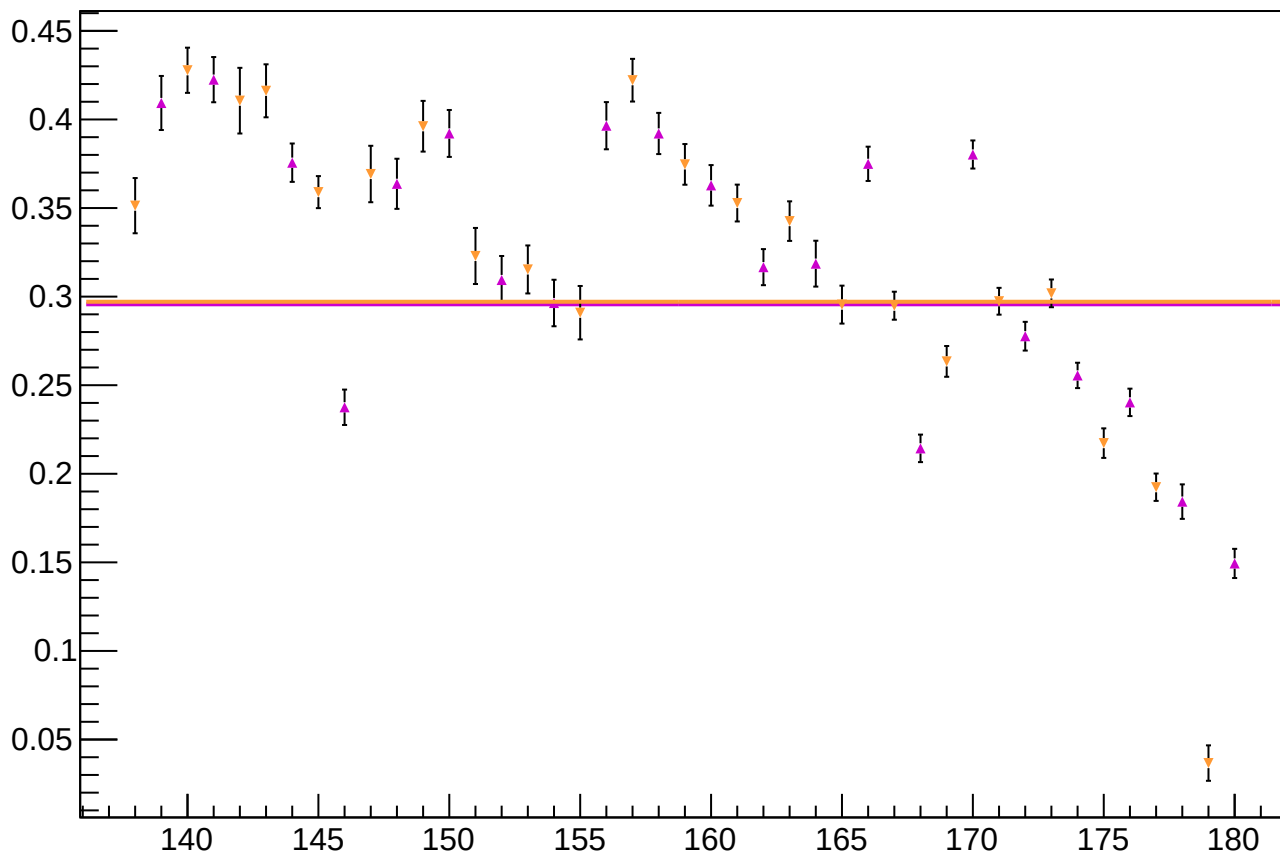
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.267+/-0.049 χ^2/NDF :5963.9/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.445+/-0.048 χ^2/NDF :5231.6/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 8.358+/-0.034 χ^2/NDF : 11202.3/42
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

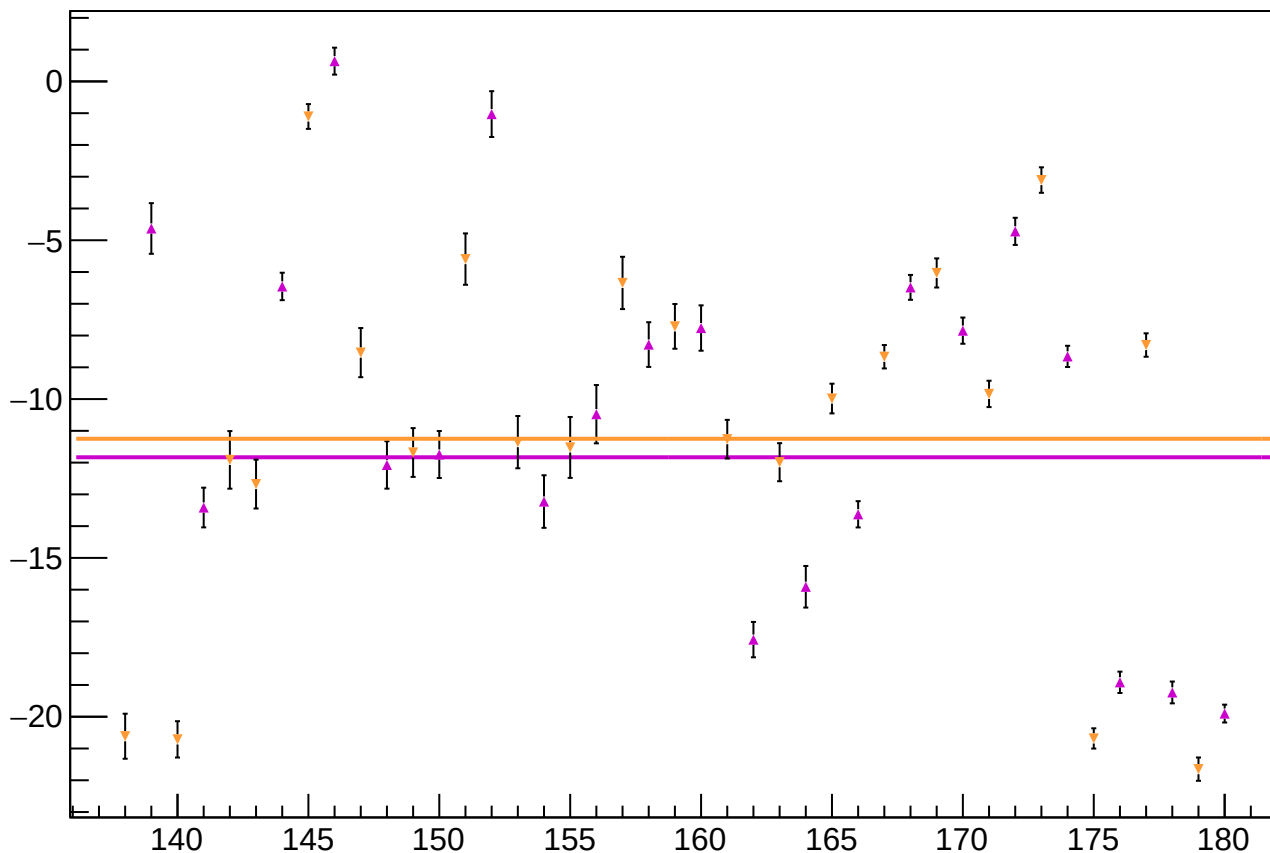
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.297+/-0.002 χ^2/NDF :1505.1/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.296+/-0.002 χ^2/NDF :1311.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.296+/-0.002 χ^2/NDF : 2817.1/42
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -11.249 ± 0.109 χ^2/NDF : 3606.4/21

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

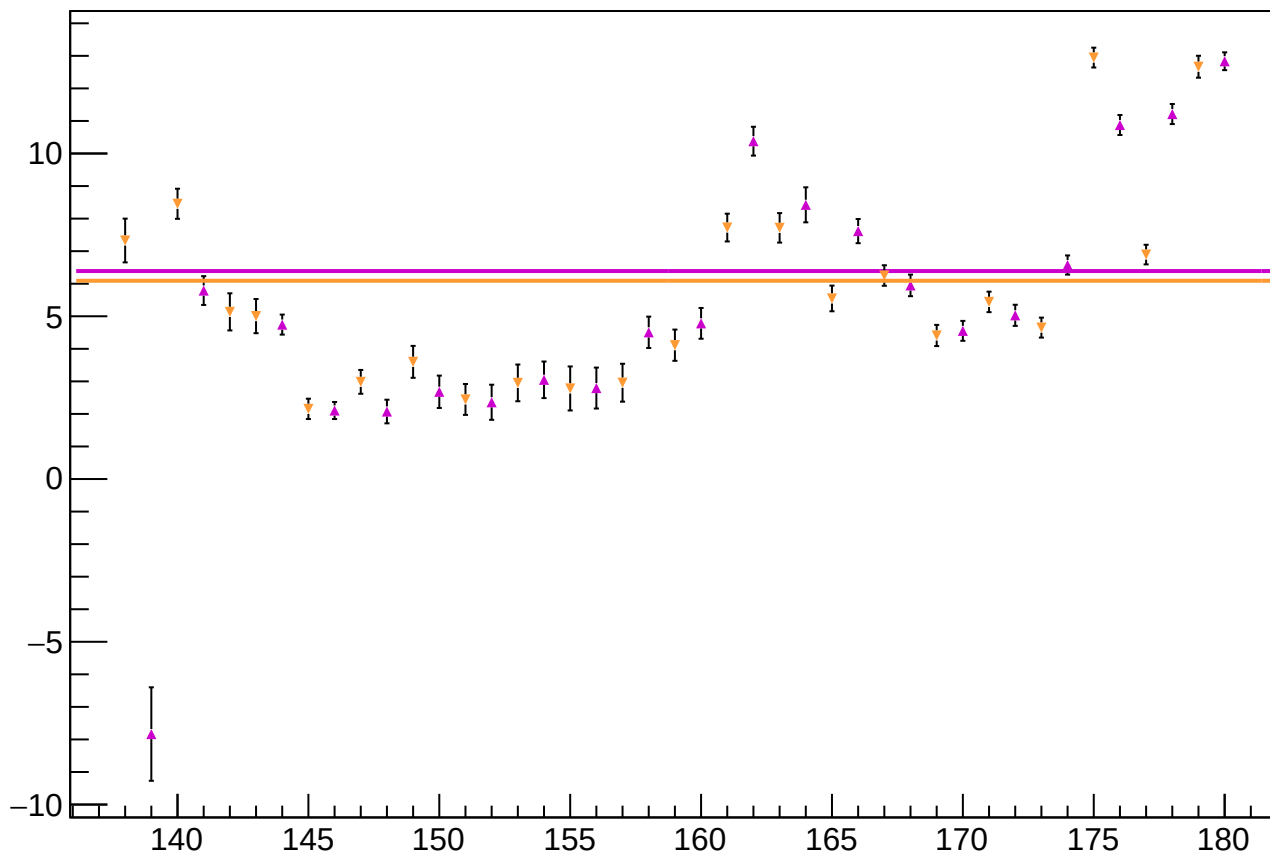
Left In: -11.832 ± 0.102 χ^2/NDF : 3940.9/20

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -11.559 ± 0.075 χ^2/NDF : 7562.5/42

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 6.091 $\pm$ 0.084 χ^2 /NDF:1431.4/21

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

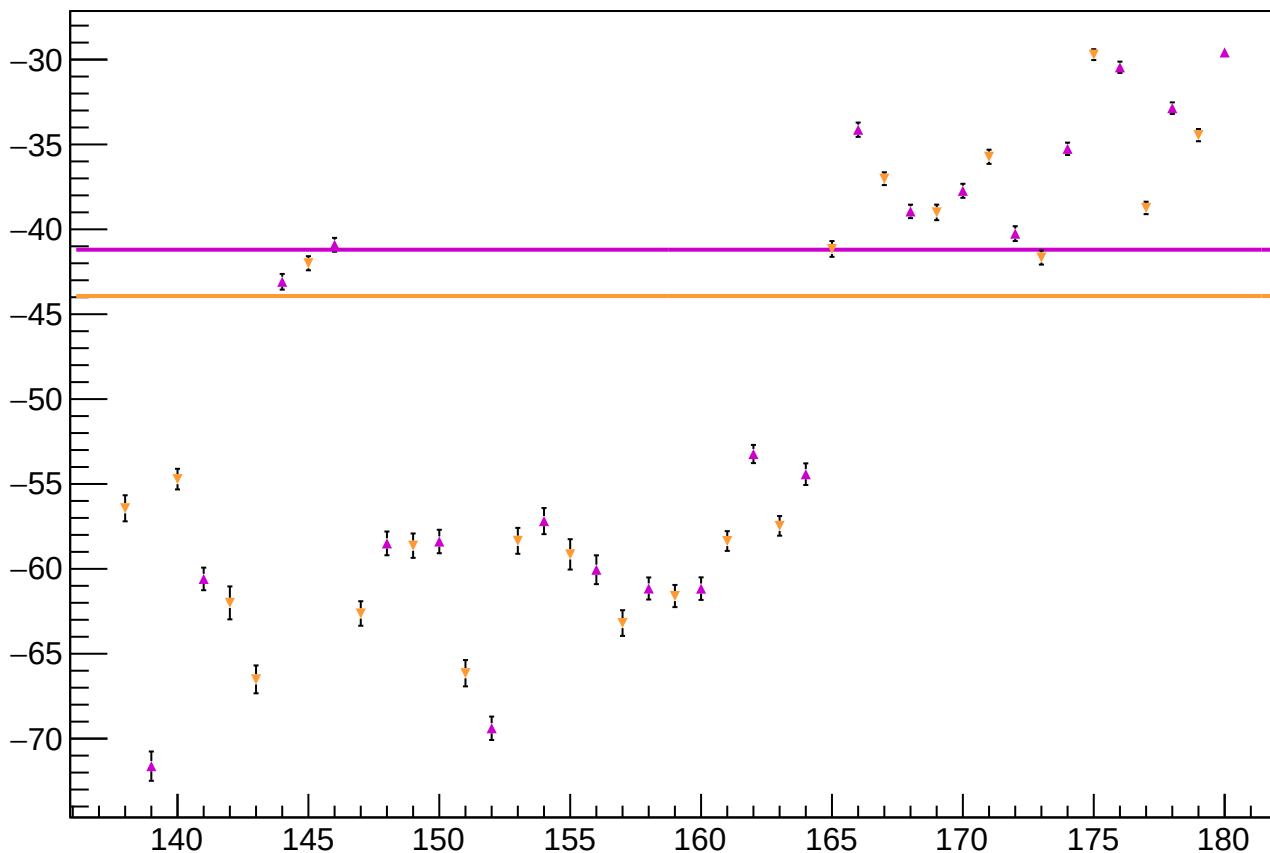
Left In: 6.389 $\pm$ 0.081 χ^2 /NDF:1919.4/20

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

All: 6.246 $\pm$ 0.059 χ^2 /NDF: 3357.2/42

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

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -43.928+/-0.109 χ^2/NDF :10575.8/21

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

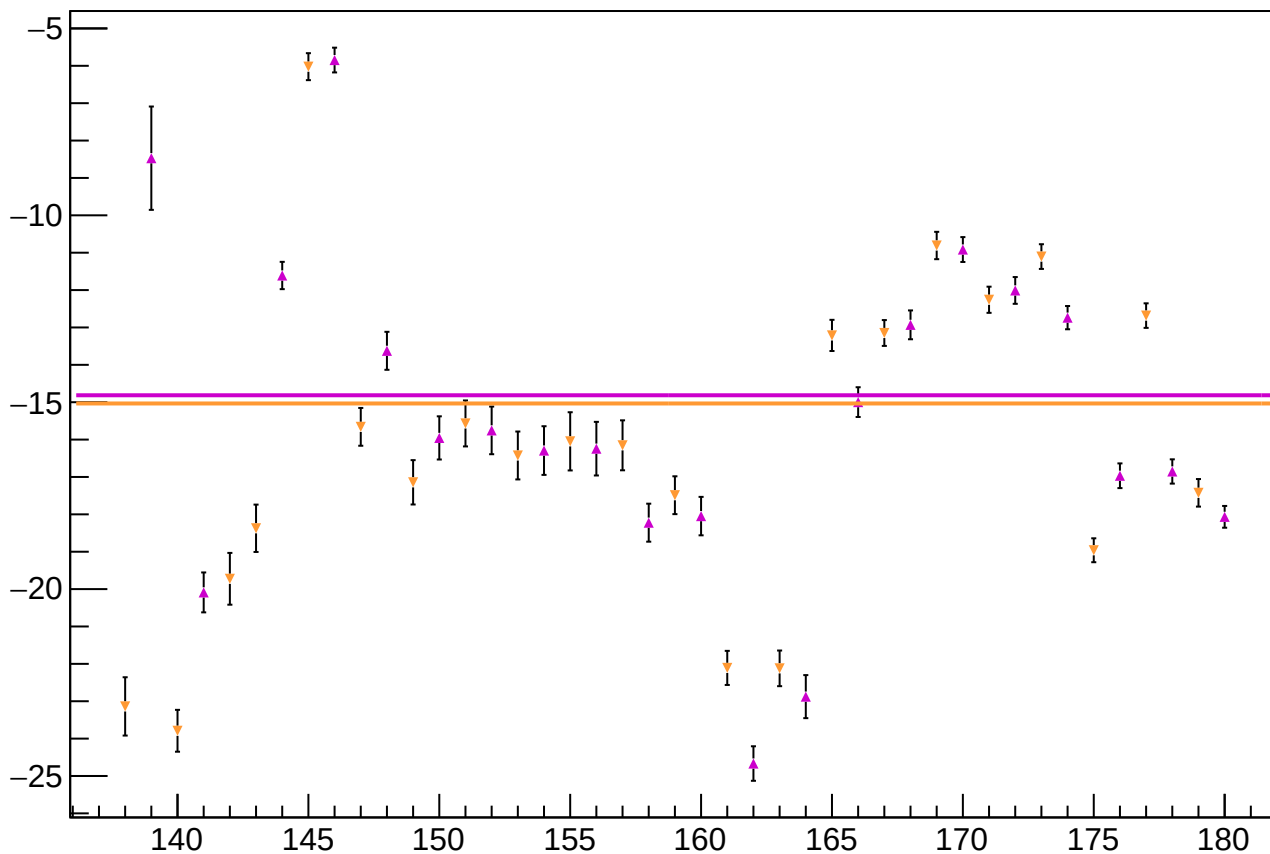
Left In: -41.200+/-0.102 χ^2/NDF :12742.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -42.478+/-0.075 χ^2/NDF : 23650.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



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

Left Out: -15.034+/-0.095 χ^2/NDF : 2189.2/21

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

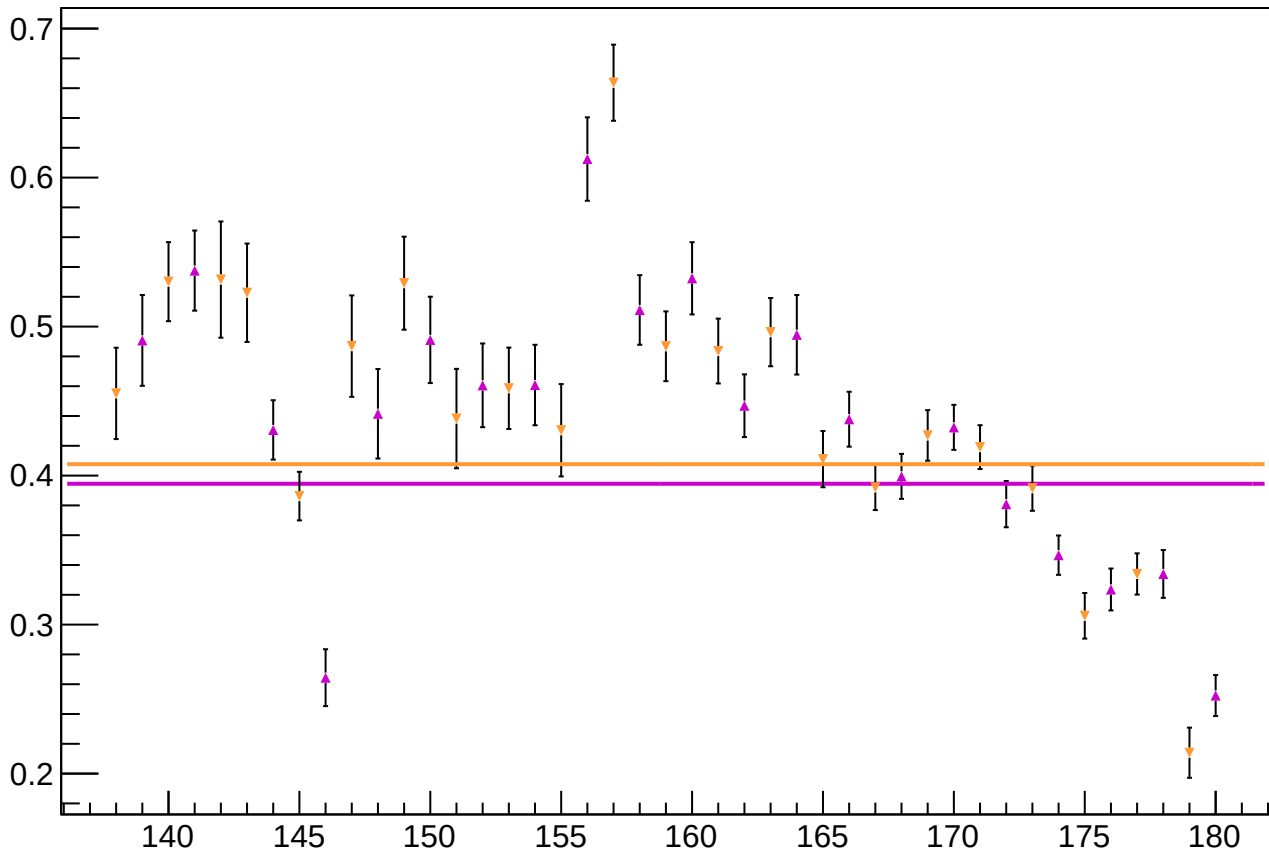
Left In: -14.814+/-0.091 χ^2/NDF : 2159.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -14.920+/-0.066 χ^2/NDF : 4351.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

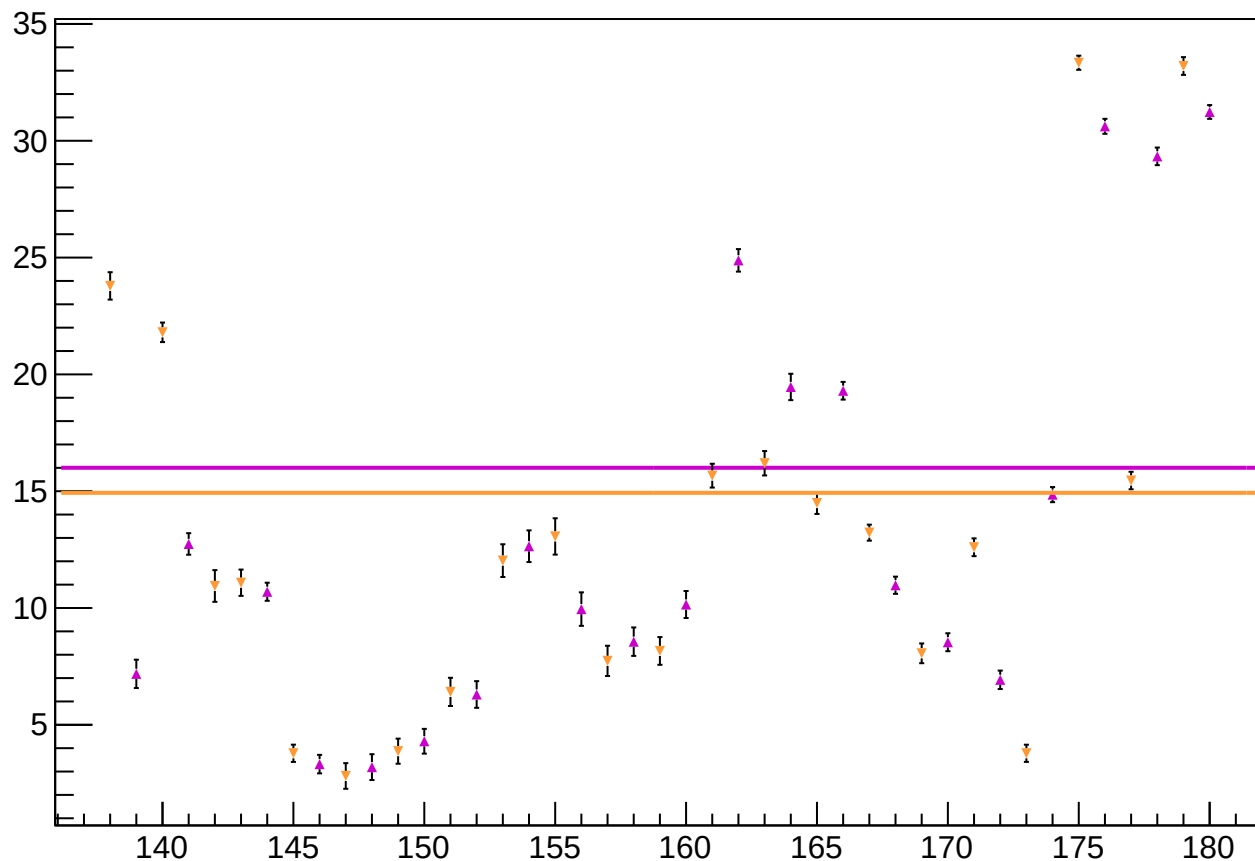
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.408 $\pm$ 0.004 χ^2 /NDF:421.2/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.395 $\pm$ 0.004 χ^2 /NDF:423.9/20

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.401 $\pm$ 0.003 χ^2 /NDF: 849.9/42
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 14.930+/-0.097 χ^2/NDF :10140.8/21

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

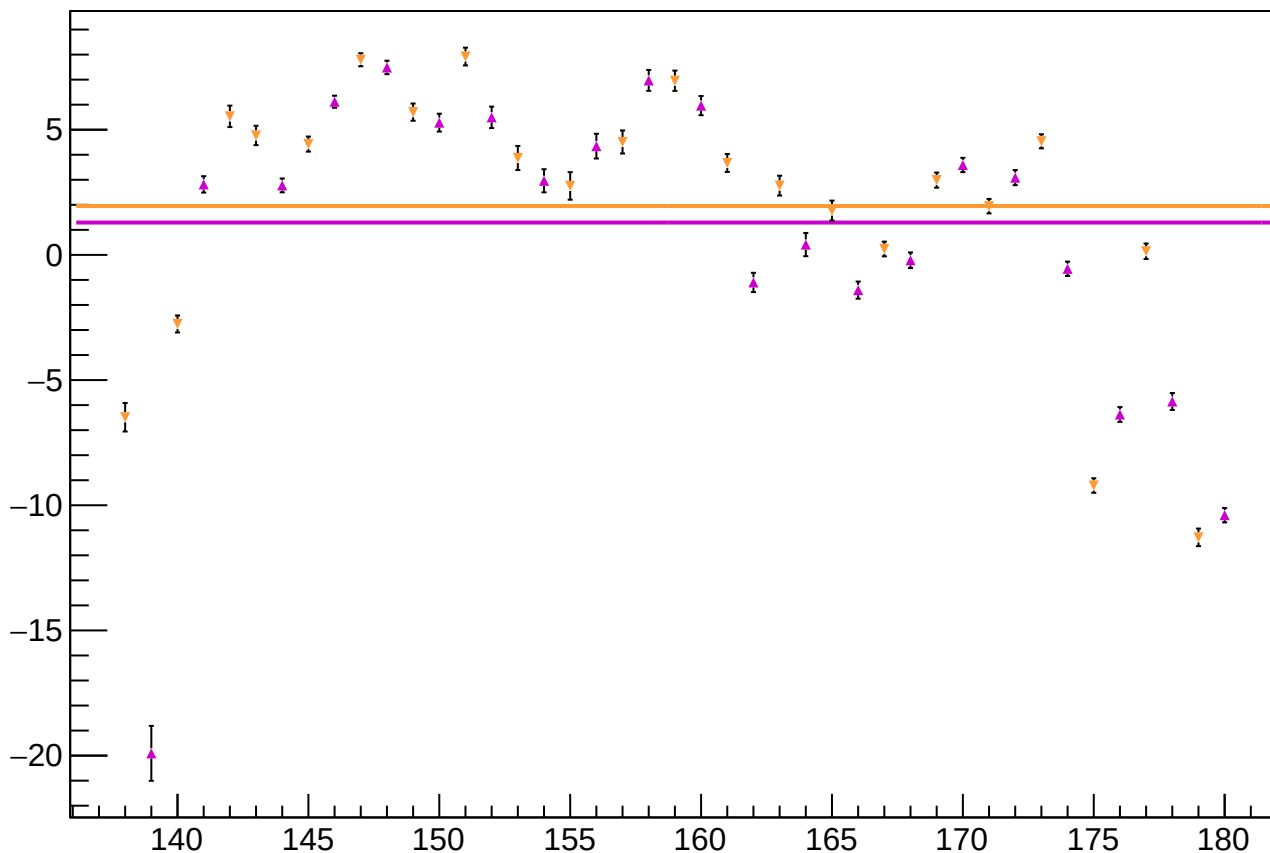
Left In: 16.003+/-0.094 χ^2/NDF :10686.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 15.486+/-0.068 χ^2/NDF : 20889.8/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

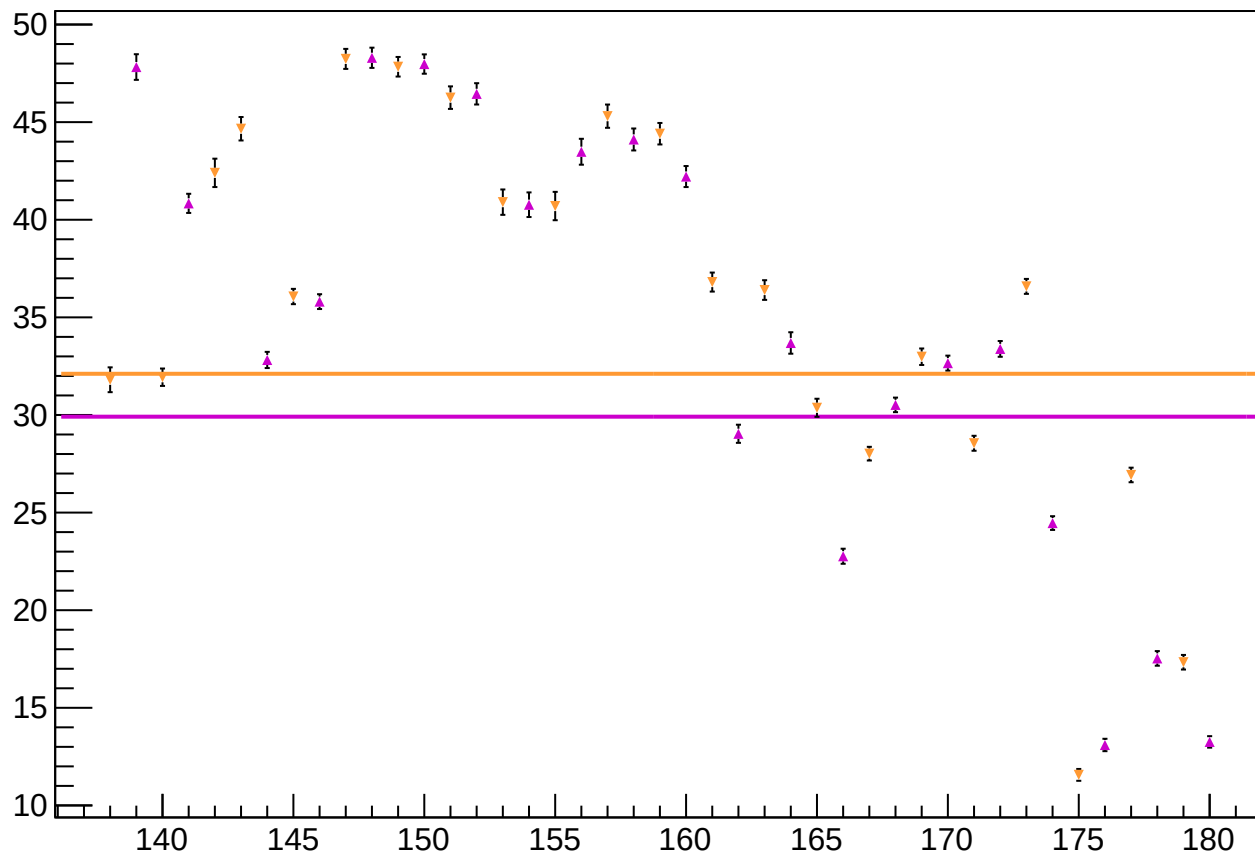
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 1.953 $\pm$ 0.074 χ^2 /NDF:4799.9/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.293 $\pm$ 0.073 χ^2 /NDF:4979.7/20

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 1.619 $\pm$ 0.052 χ^2 /NDF: 9819.7/42
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 32.110 $\pm$ 0.097 χ^2 /NDF:11504.4/21

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

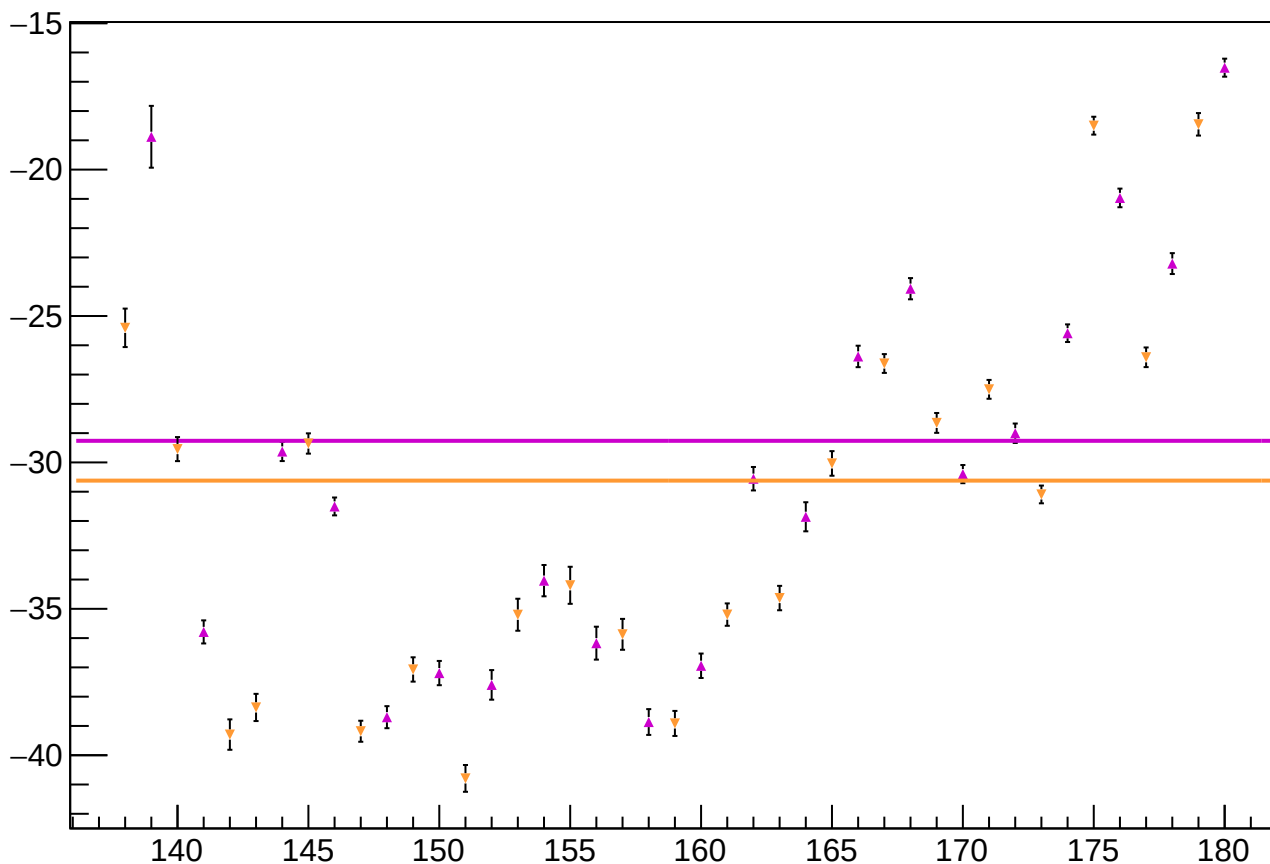
Left In: 29.912 $\pm$ 0.094 χ^2 /NDF:14787.7/20

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

All: 30.971 $\pm$ 0.068 χ^2 /NDF: 26555.6/42

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

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -30.621+/-0.084 χ^2/NDF : 5783.2/21

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

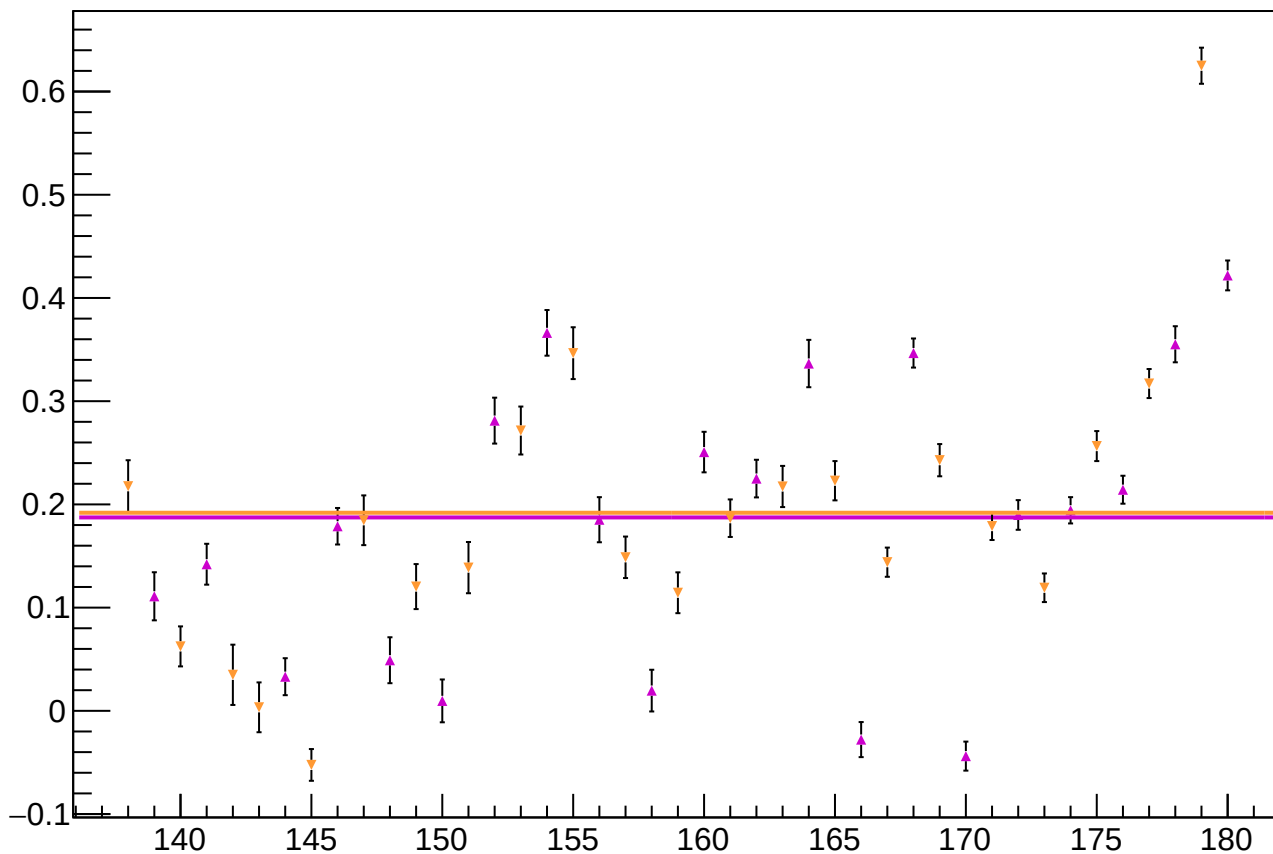
Left In: -29.263+/-0.083 χ^2/NDF : 5891.2/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -29.932+/-0.059 χ^2/NDF : 11807.1/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



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

Left Out: 0.192+/-0.004 χ^2/NDF :1239.6/21

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

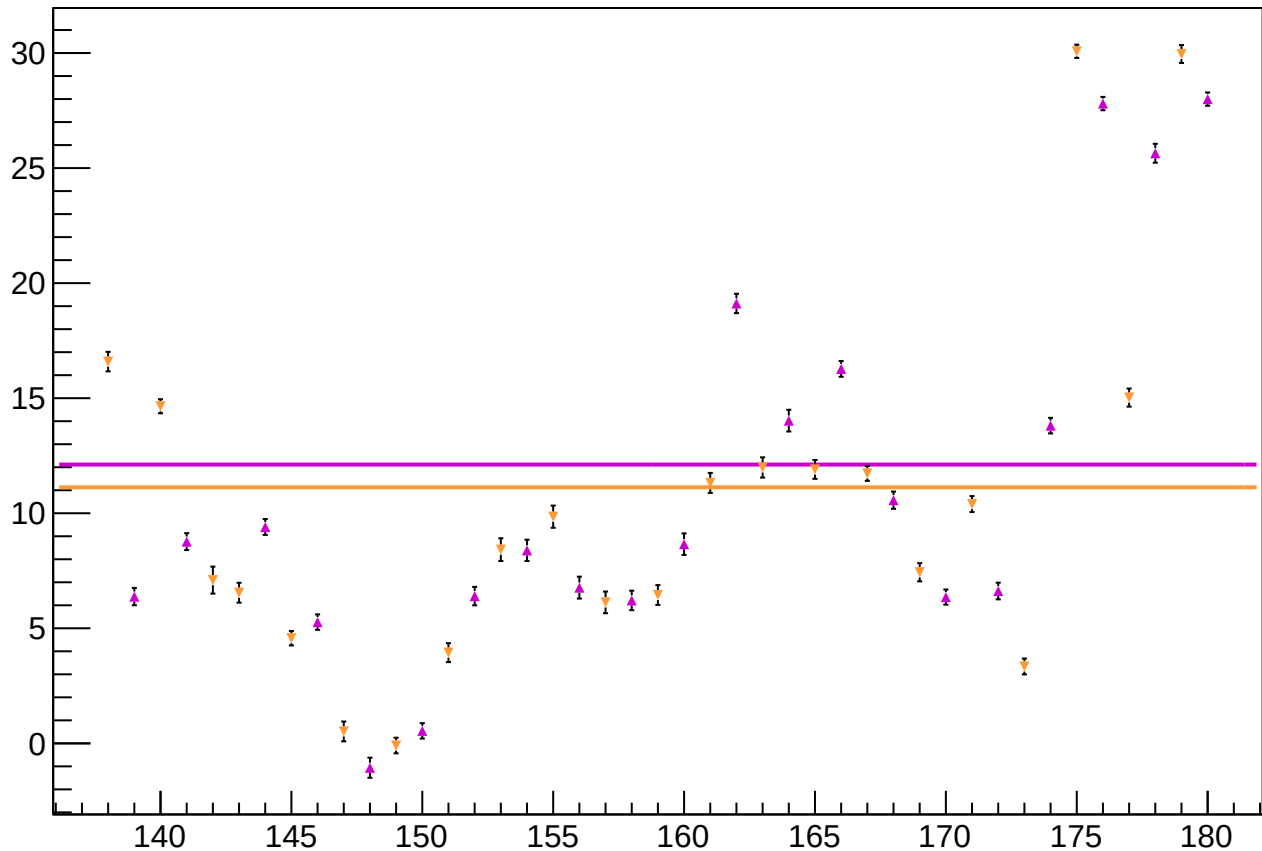
Left In: 0.187+/-0.004 χ^2/NDF :1329.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.190+/-0.003 χ^2/NDF : 2569.8/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 11.127 $\pm$ 0.082 χ^2 /NDF:10499.5/21

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

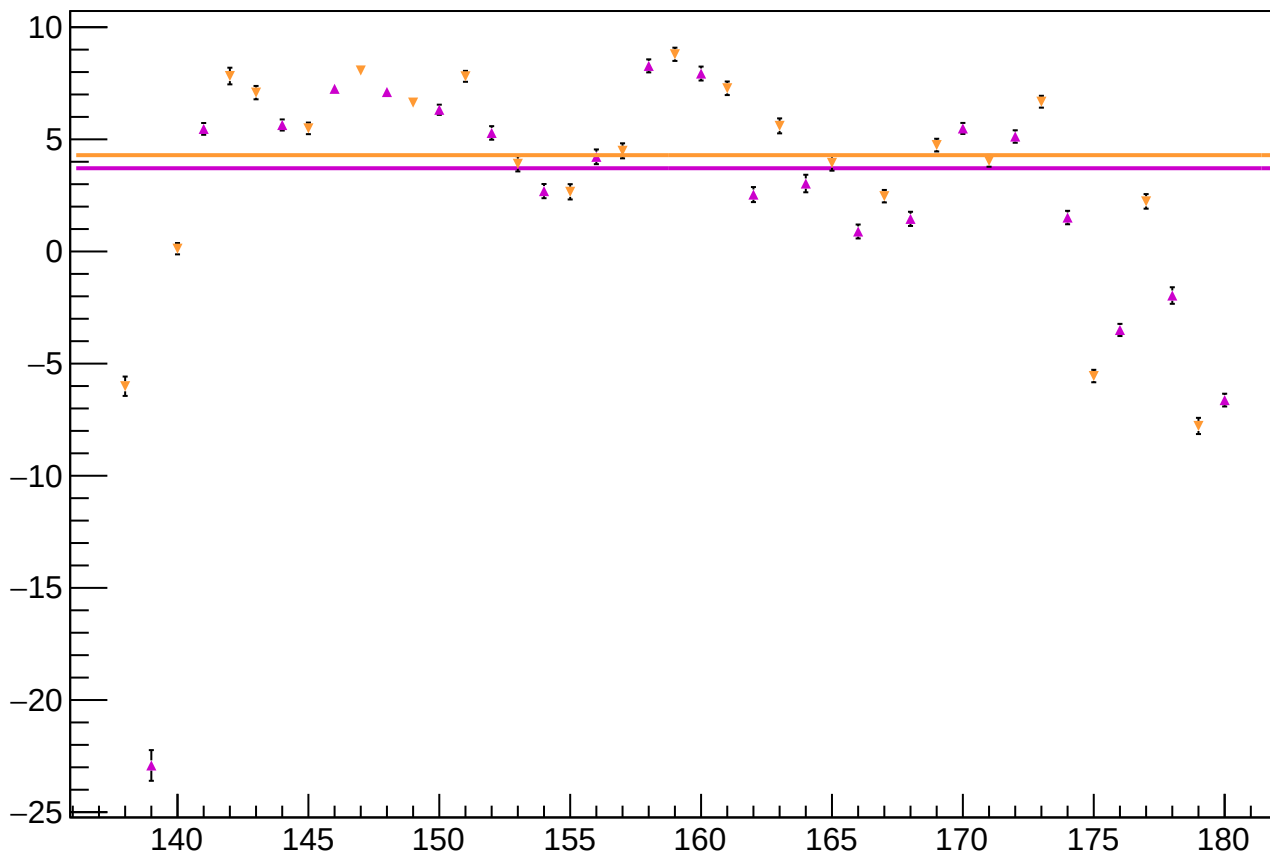
Left In: 12.116 $\pm$ 0.081 χ^2 /NDF:11540.7/20

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

All: 11.630 $\pm$ 0.058 χ^2 /NDF: 22113.3/42

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

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 4.294 $\pm$ 0.061 χ^2 /NDF:4604.7/21

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

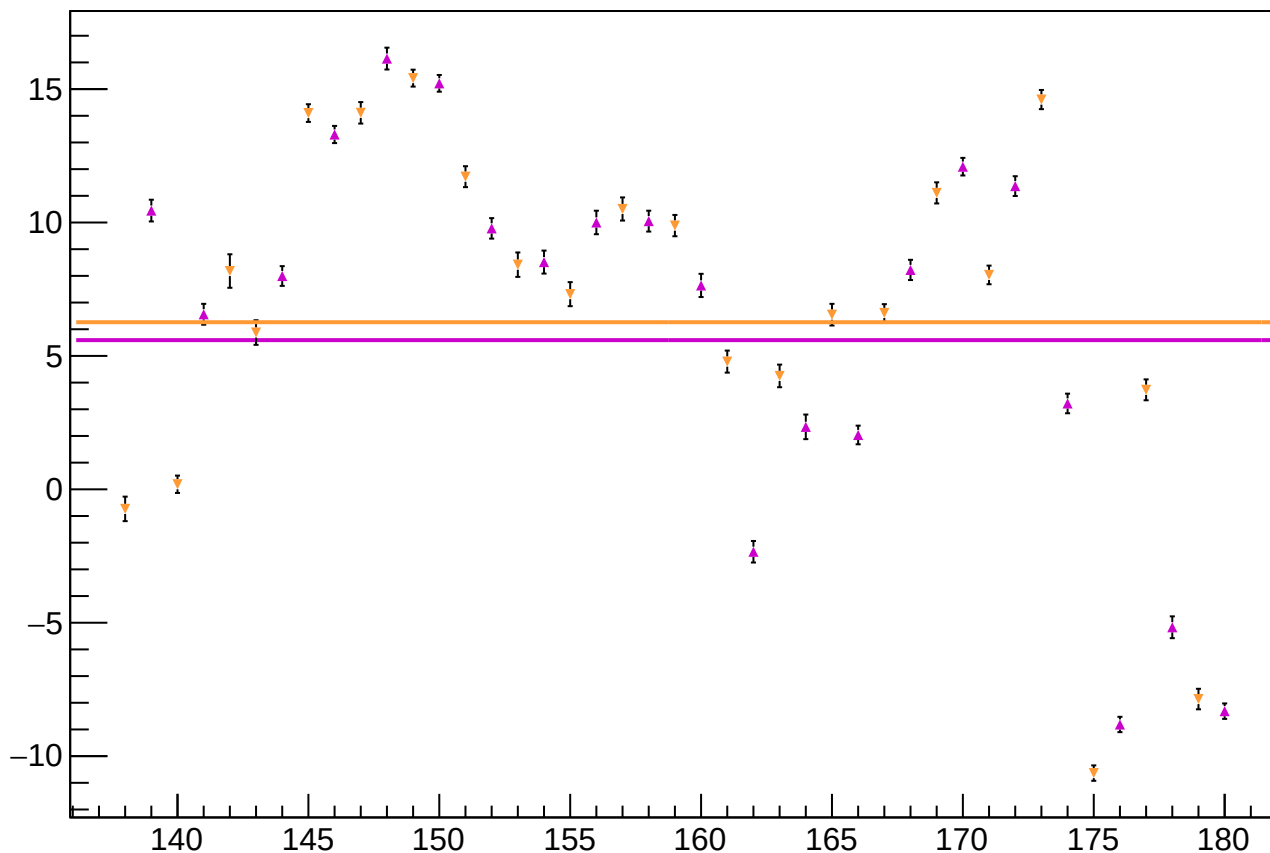
Left In: 3.711 $\pm$ 0.062 χ^2 /NDF:5285.1/20

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

All: 4.007 $\pm$ 0.044 χ^2 /NDF: 9934.2/42

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

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 6.263 $\pm$ 0.082 χ^2/NDF :8326.0/21

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

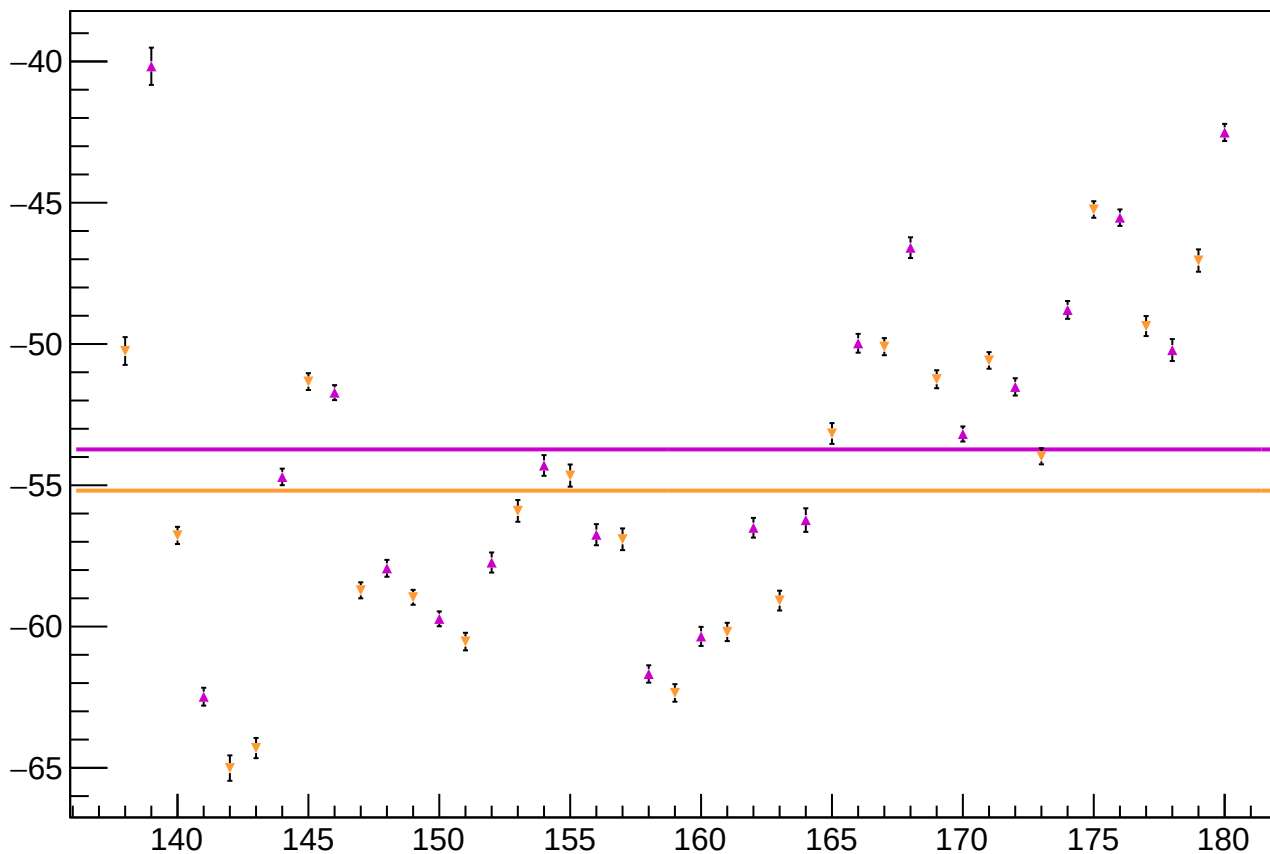
Left In: 5.592 $\pm$ 0.080 χ^2/NDF :9562.8/20

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

All: 5.921 $\pm$ 0.057 χ^2/NDF : 17922.9/42

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

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -55.189+/-0.070 χ^2/NDF : 5577.6/21

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

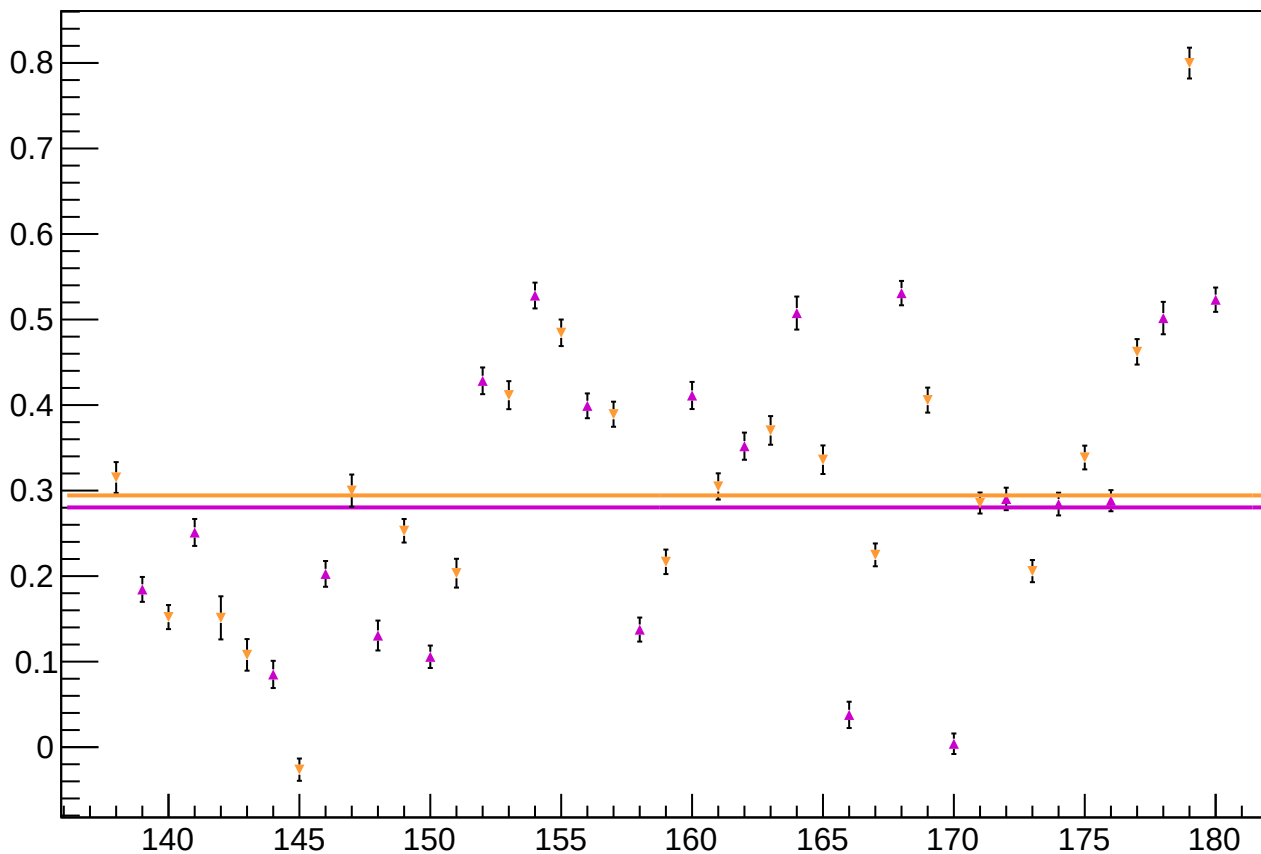
Left In: -53.730+/-0.071 χ^2/NDF : 6374.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -54.463+/-0.050 χ^2/NDF : 12165.6/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



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

Left Out: 0.294+/-0.003 χ^2/NDF :2239.5/21

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

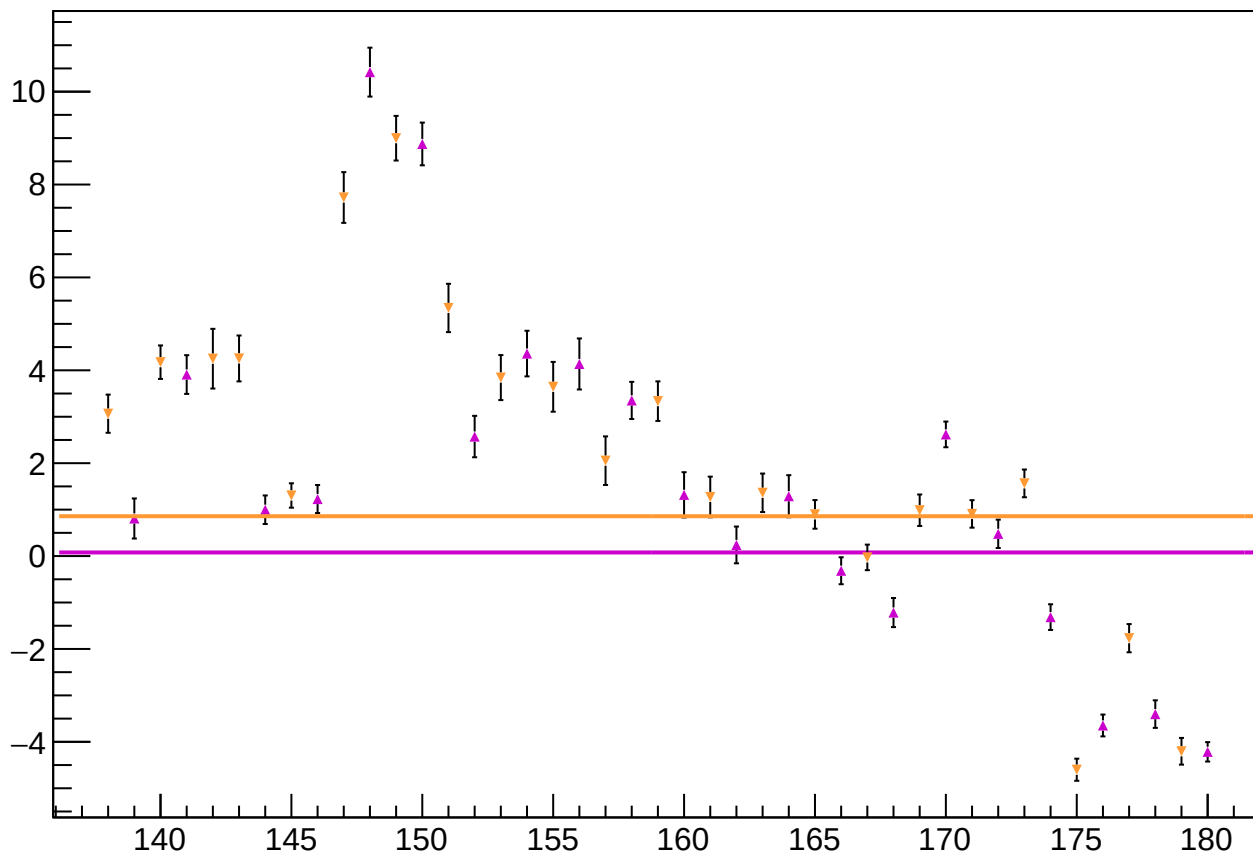
Left In: 0.280+/-0.003 χ^2/NDF :2749.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.287+/-0.002 χ^2/NDF : 4998.1/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

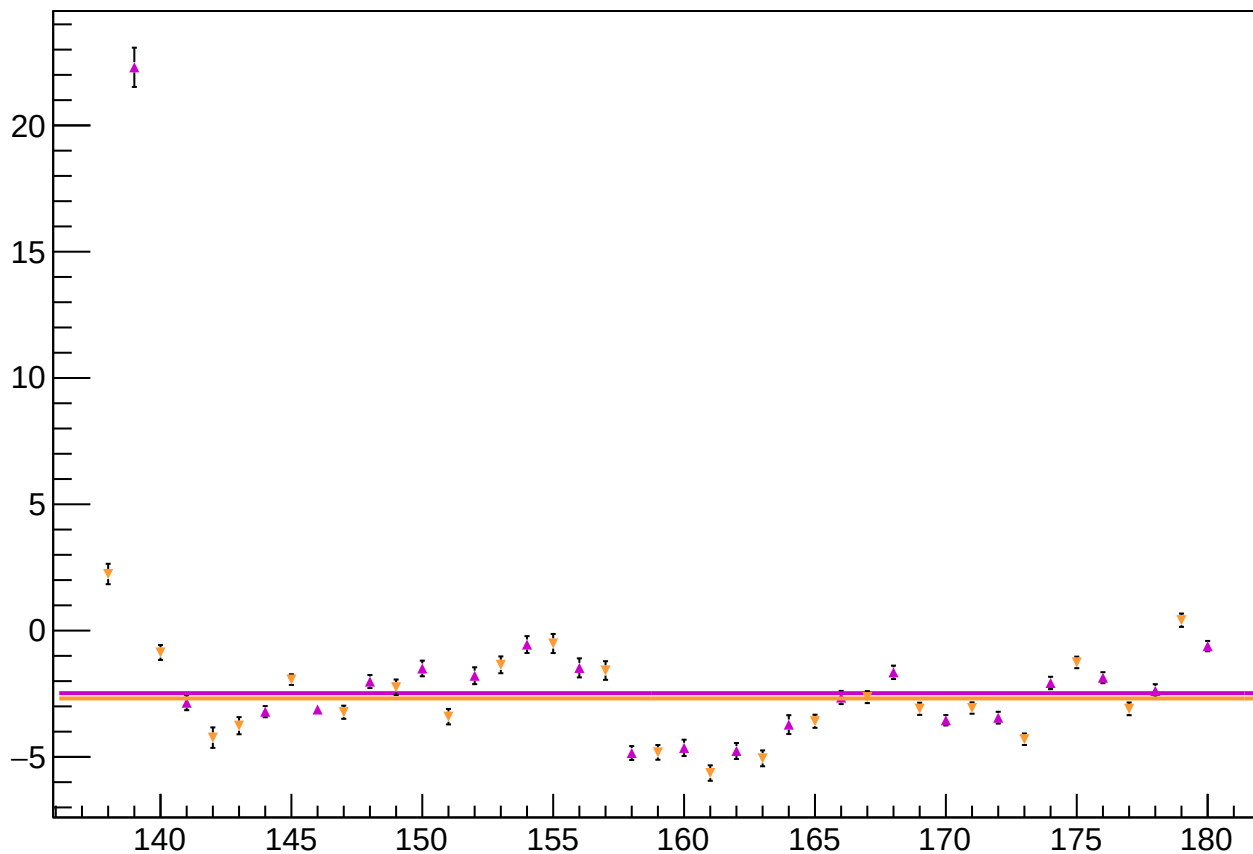
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.858 $\pm$ 0.077 χ^2 /NDF:1741.9/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.078 $\pm$ 0.073 χ^2 /NDF:2045.3/20

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.449 $\pm$ 0.053 χ^2 /NDF: 3841.3/42
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

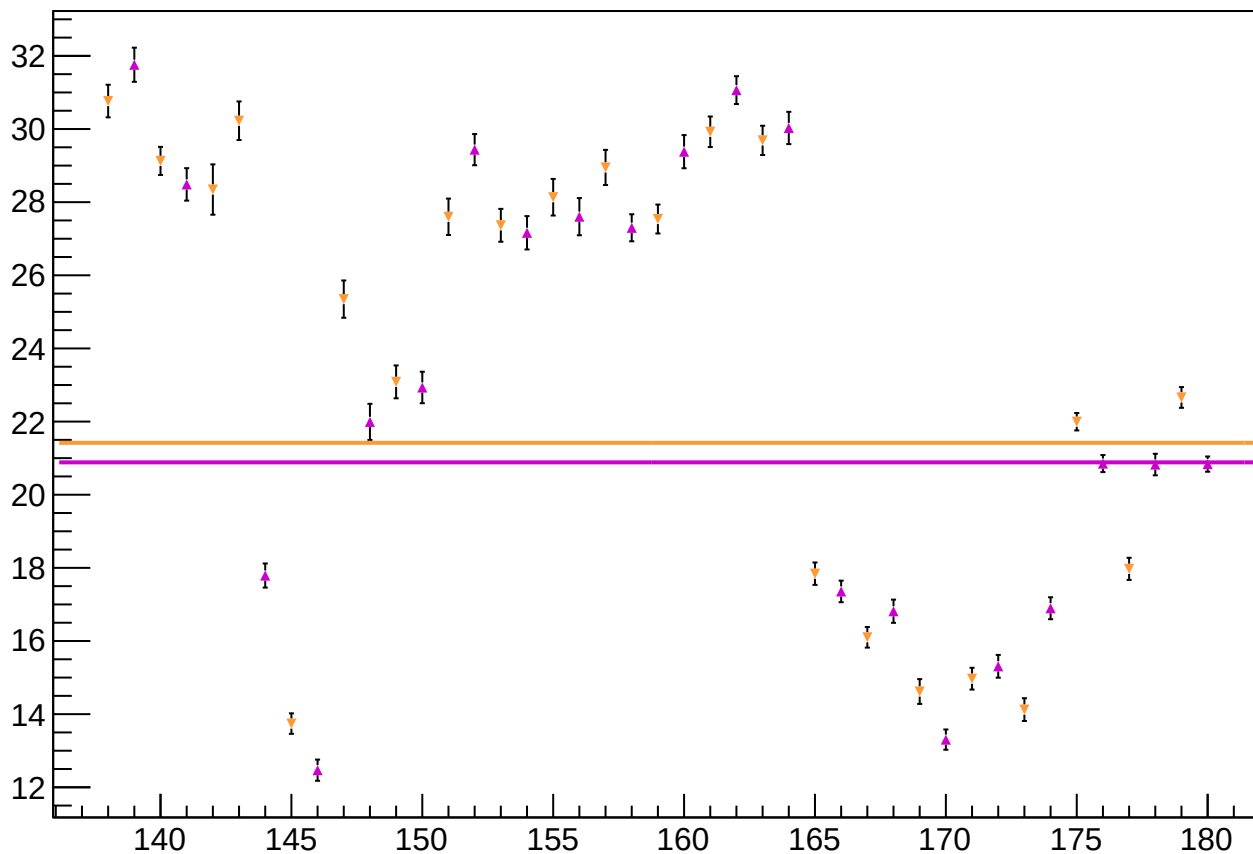
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -2.687+/-0.059 χ^2/NDF : 744.7/21
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -2.477+/-0.058 χ^2/NDF : 1429.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: -2.579+/-0.041 χ^2/NDF : 2180.7/42
- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 21.419+/-0.077 χ^2/NDF : 5950.9/21

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

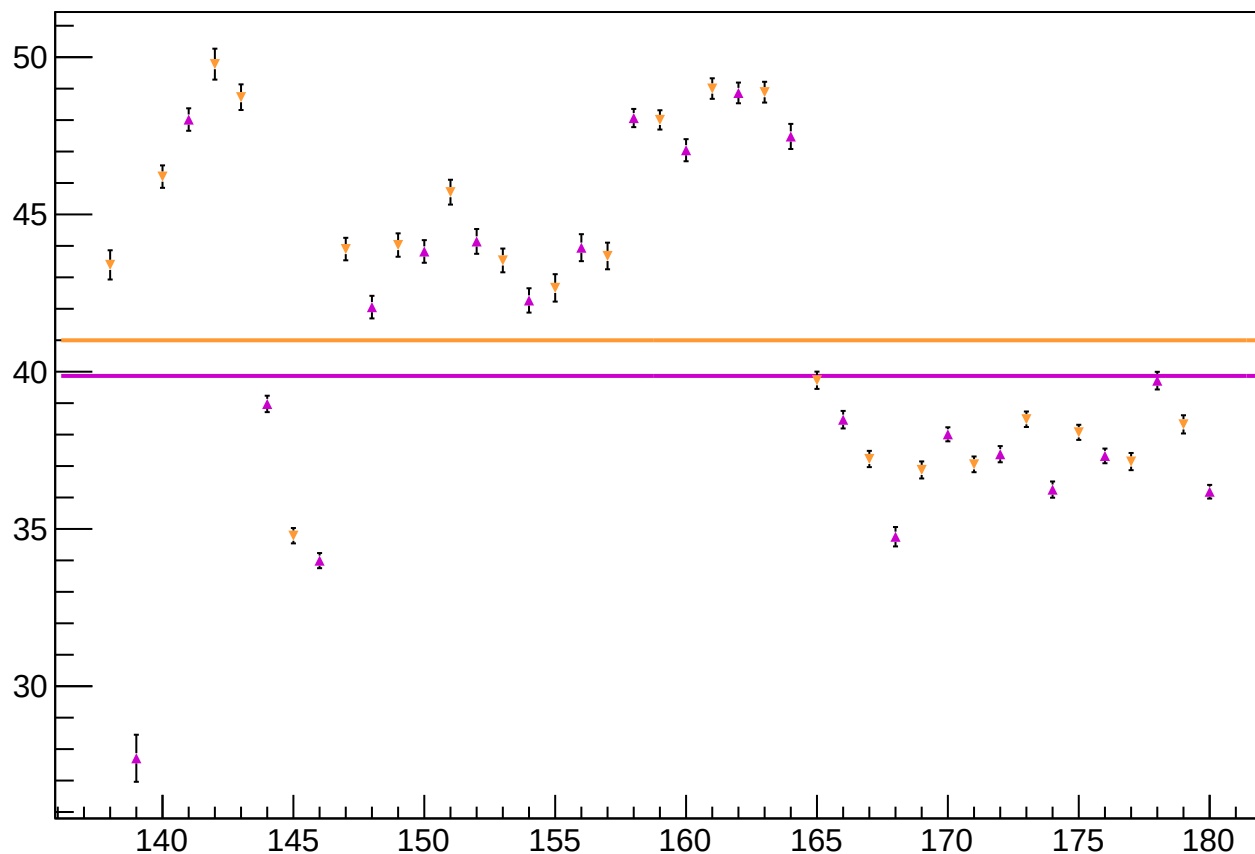
Left In: 20.885+/-0.073 χ^2/NDF : 5909.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21.138+/-0.053 χ^2/NDF : 11885.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 40.998+/-0.067 χ^2/NDF : 4882.1/21

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

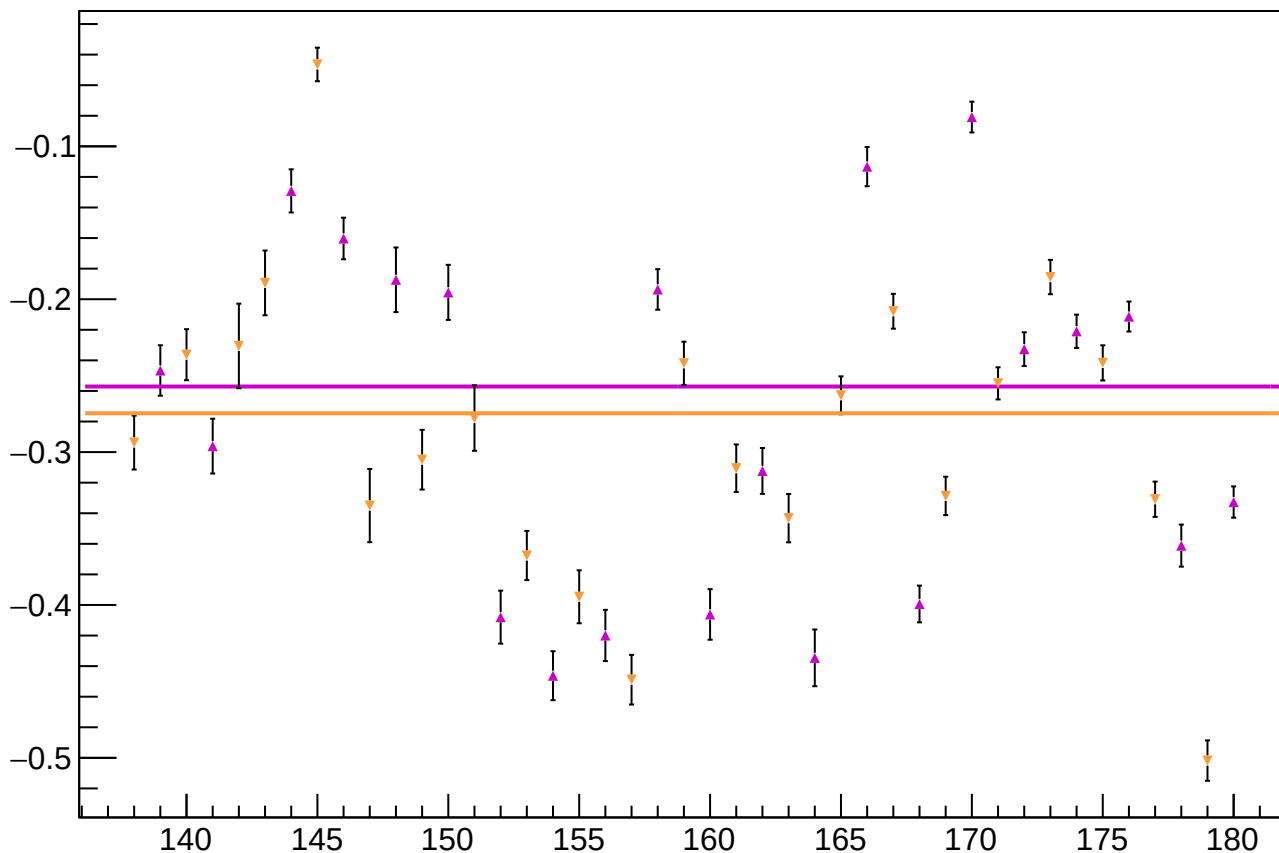
Left In: 39.866+/-0.065 χ^2/NDF : 5190.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 40.417+/-0.047 χ^2/NDF : 10220.7/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

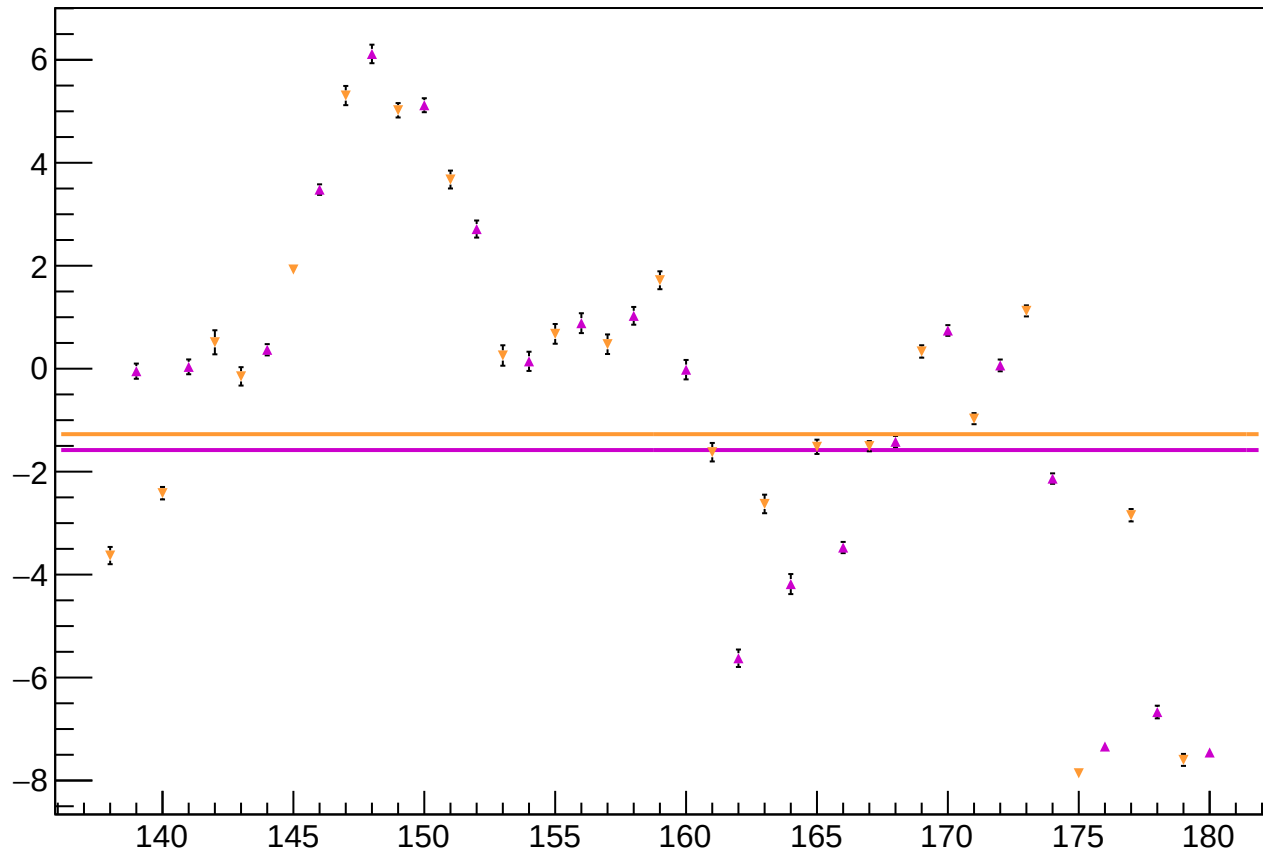
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.275+/-0.003 χ^2/NDF : 1139.3/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.257+/-0.003 χ^2/NDF : 1400.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -0.266+/-0.002 χ^2/NDF : 2556.8/42
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

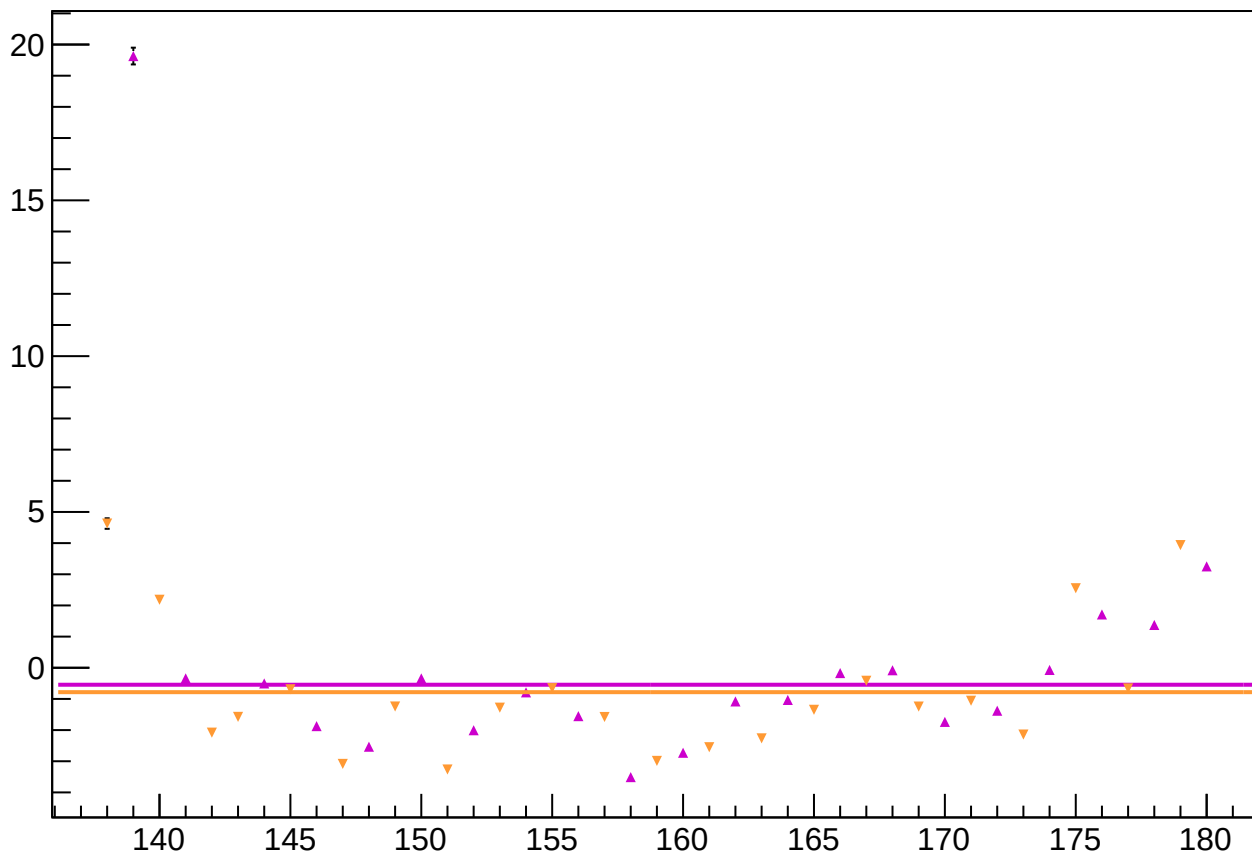
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -1.272 $\pm$ 0.029 χ^2 /NDF:15703.6/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.581 $\pm$ 0.028 χ^2 /NDF:20065.9/20

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -1.432 $\pm$ 0.020 χ^2 /NDF: 35829.7/42
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

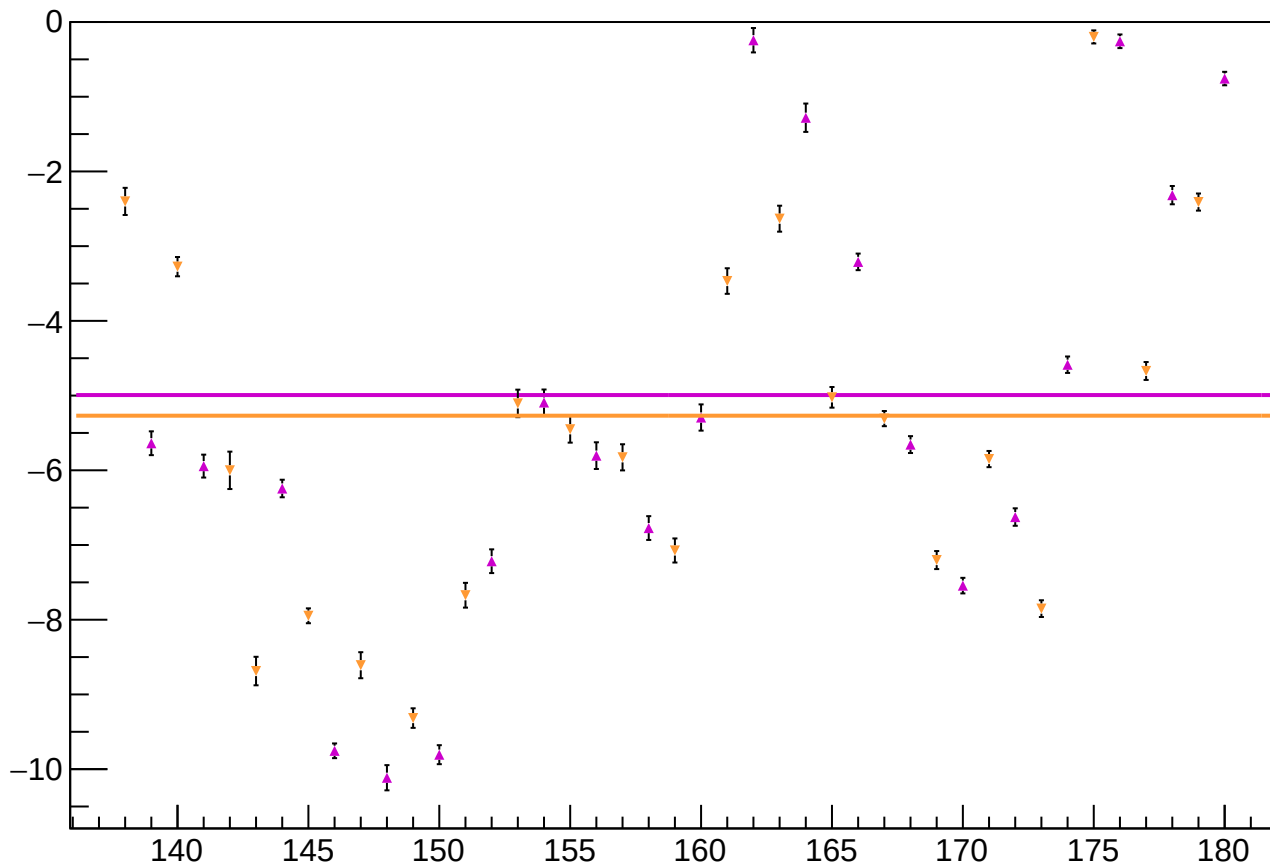
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.783 $\pm$ 0.022 χ^2 /NDF:7865.2/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.545 $\pm$ 0.022 χ^2 /NDF:10892.7/20

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.662 $\pm$ 0.015 χ^2 /NDF: 18817.7/42
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

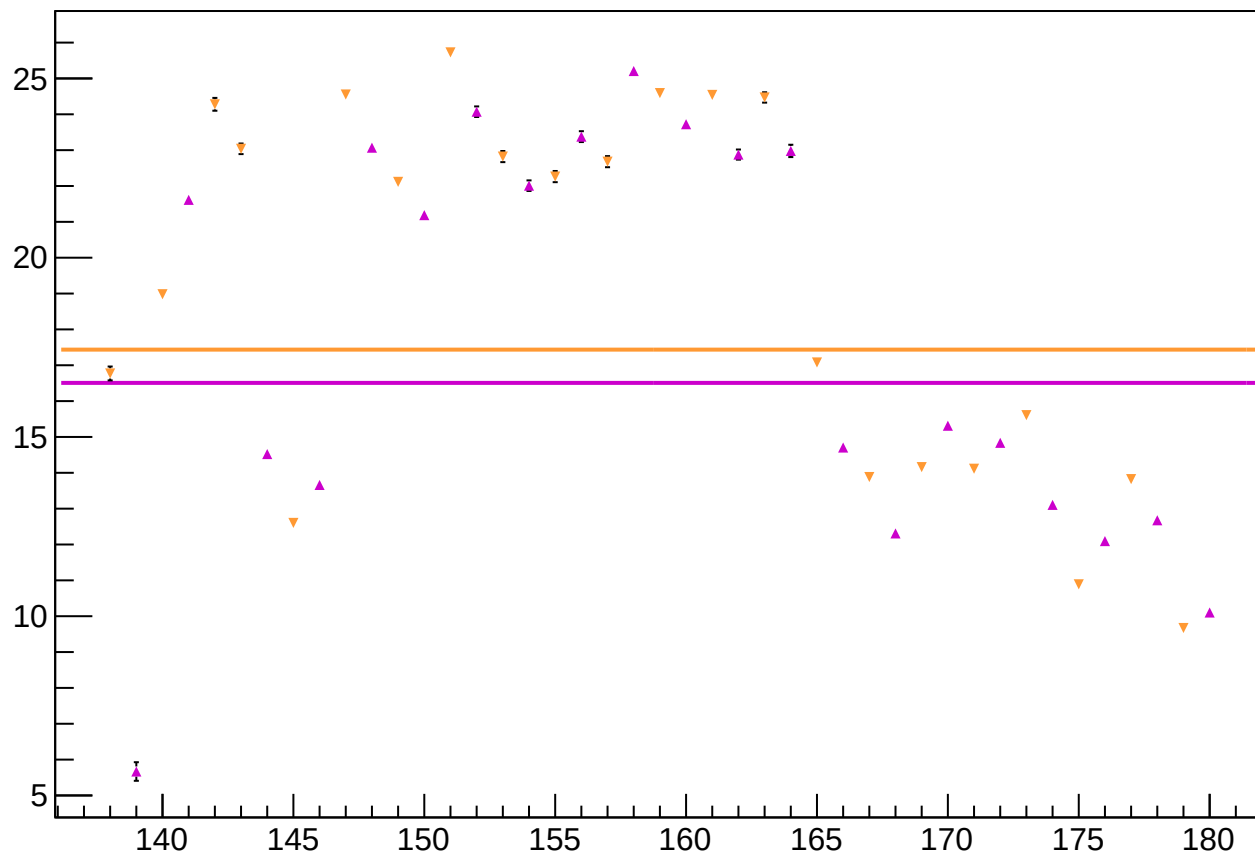
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -5.269 $\pm$ 0.029 χ^2 /NDF:8375.6/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.993 $\pm$ 0.028 χ^2 /NDF:12914.5/20

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -5.126 $\pm$ 0.020 χ^2 /NDF: 21338.4/42
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 17.436+/-0.025 χ^2/NDF : 42369.6/21

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

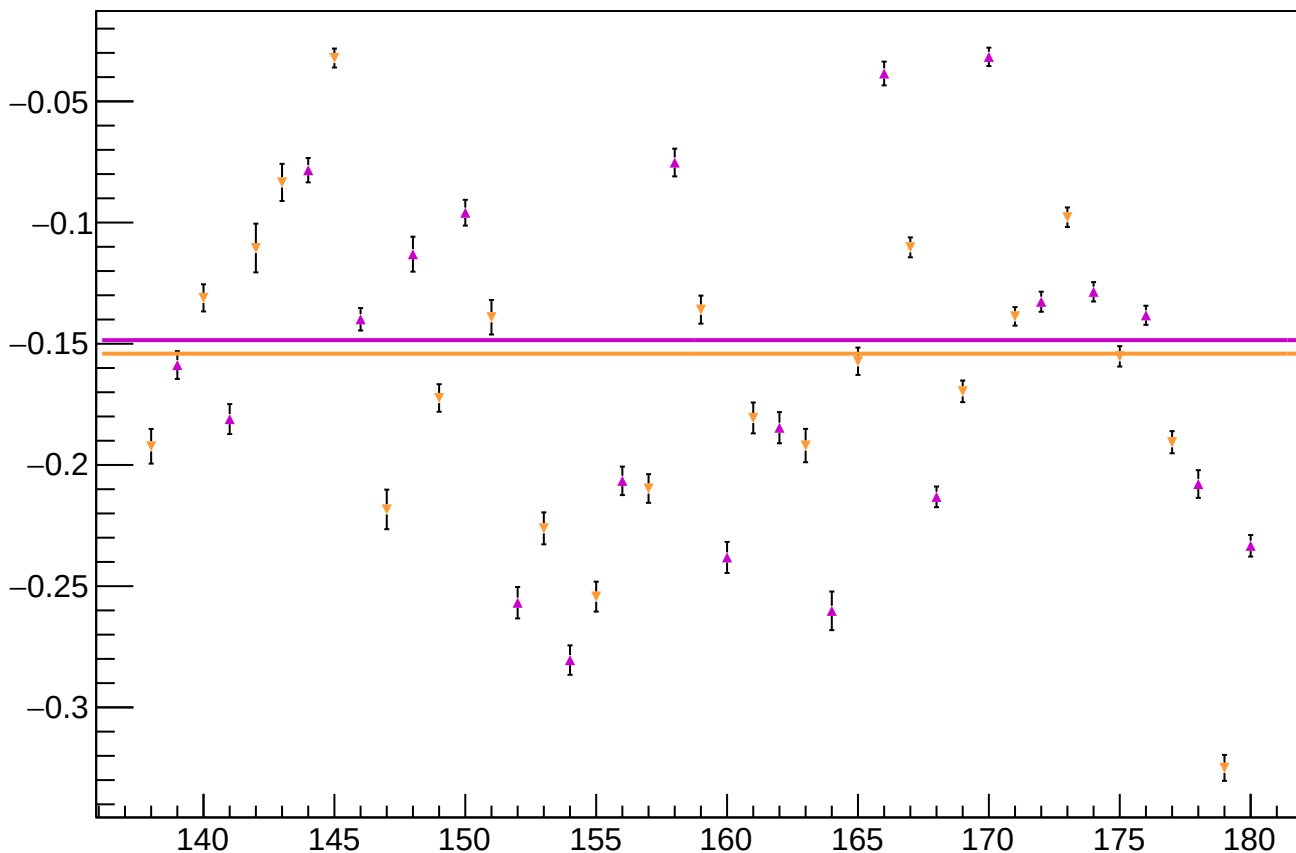
Left In: 16.508+/-0.024 χ^2/NDF : 38540.9/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 16.965+/-0.017 χ^2/NDF : 81618.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.154 $\pm$ 0.001 χ^2 /NDF:3152.2/21

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

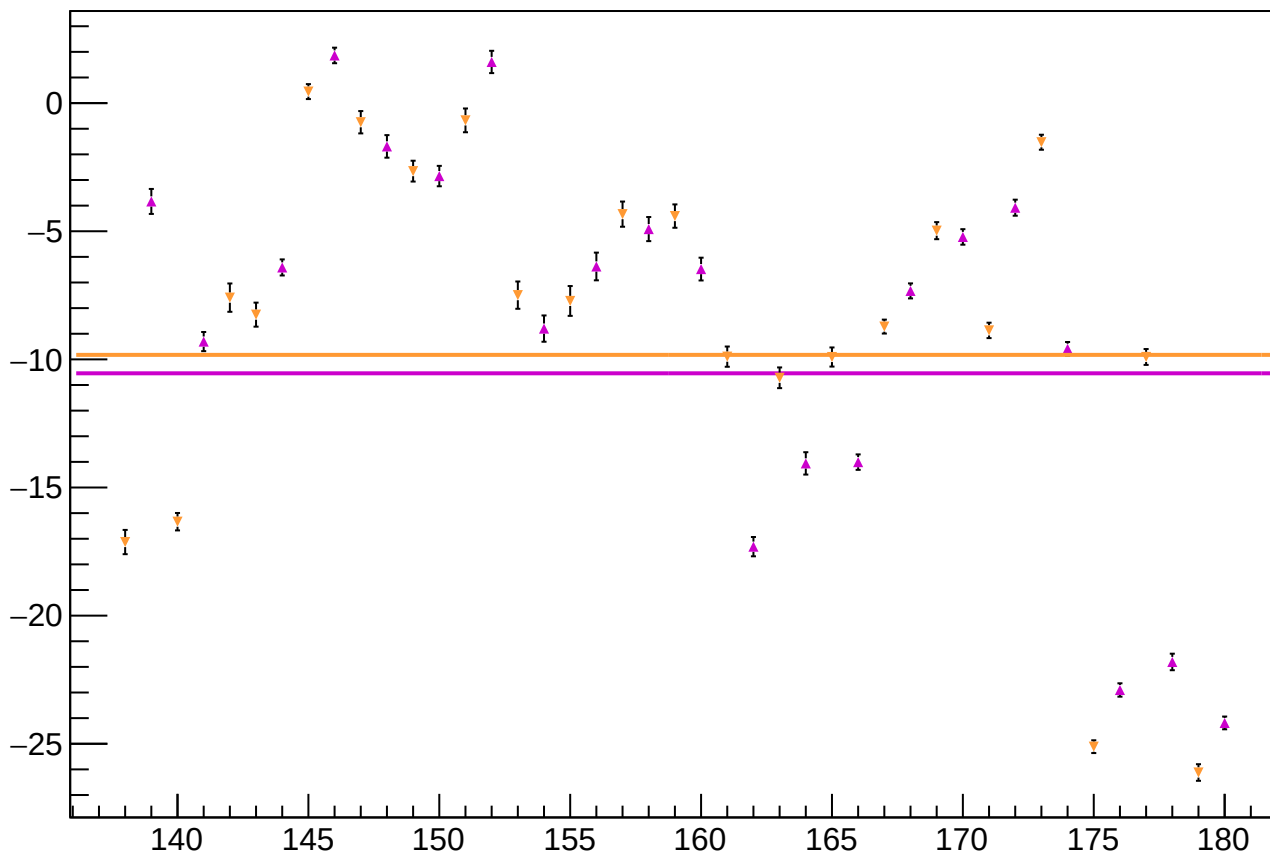
Left In: -0.149 $\pm$ 0.001 χ^2 /NDF:3989.8/20

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

All: -0.151 $\pm$ 0.001 χ^2 /NDF: 7154.3/42

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

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.824+/-0.078 χ^2/NDF : 10645.5/21

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

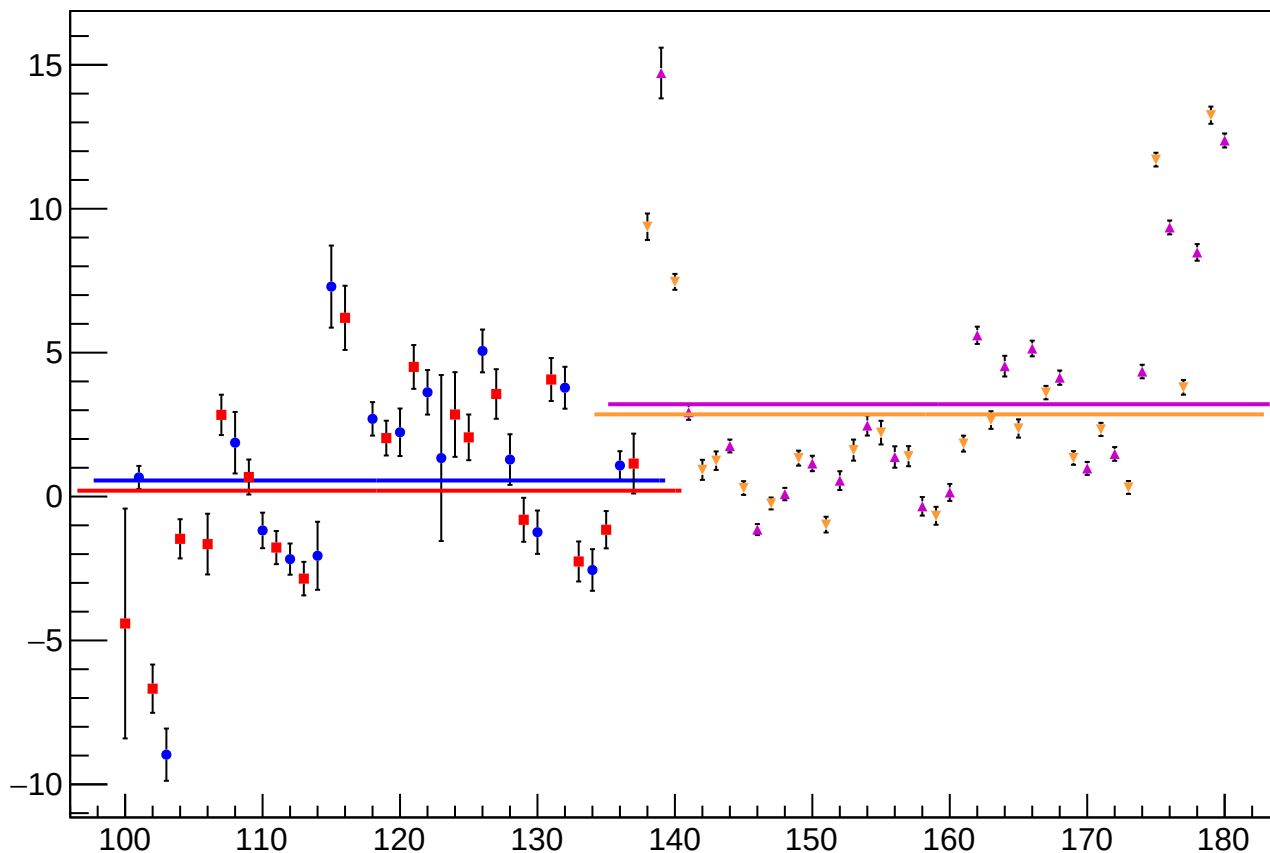
Left In: -10.543+/-0.075 χ^2/NDF : 11753.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -10.196+/-0.054 χ^2/NDF : 22443.4/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 2.855 ± 0.059 χ^2/NDF : 4051.9/21

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

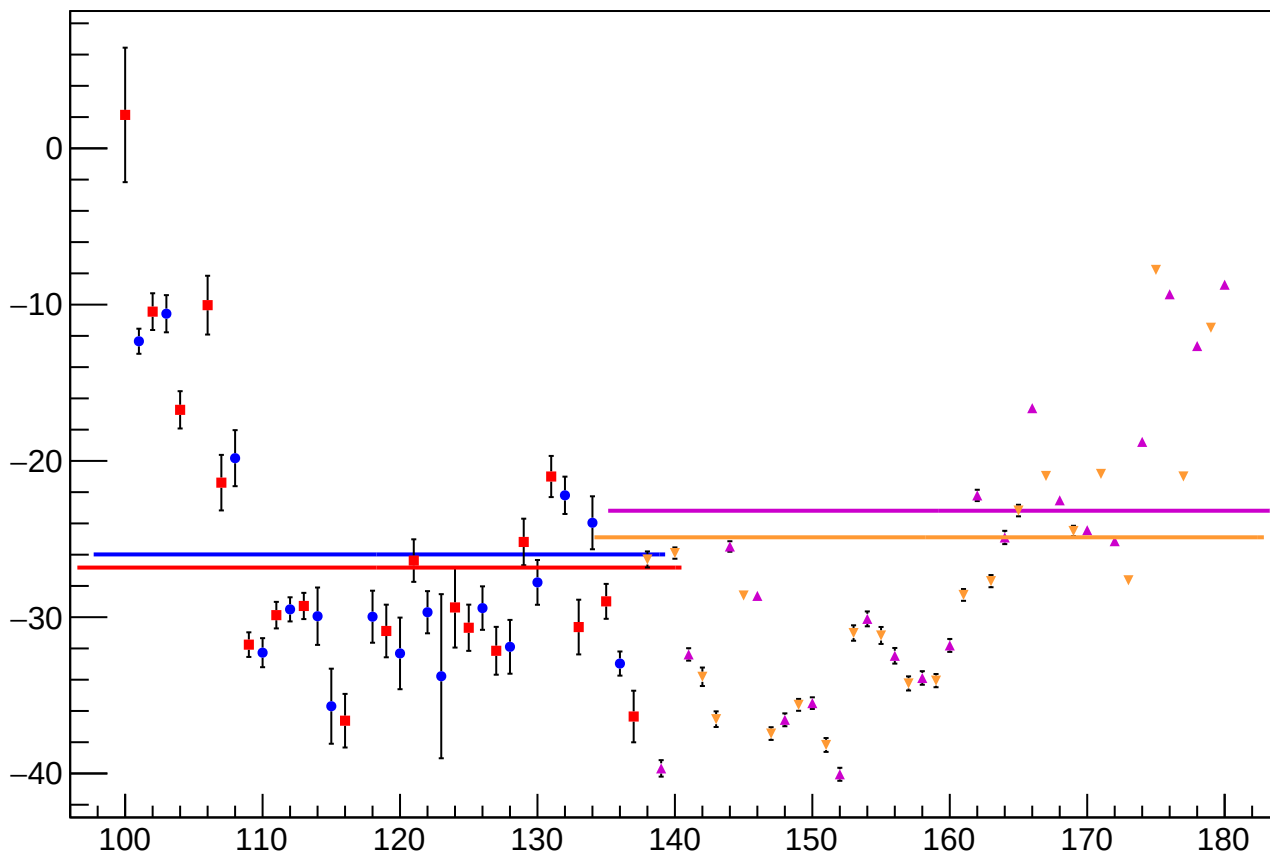
Left In: 3.208 ± 0.058 χ^2/NDF : 4036.4/20

+ sign 2.610 ± 0.056 χ^2/NDF : 4502.6/38

All: 2.759 ± 0.039 χ^2/NDF : 9091.5/78

- sign 2.906 ± 0.055 χ^2/NDF : 4574.7/39

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -24.888 ± 0.078 χ^2/NDF : 12015.3/21

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

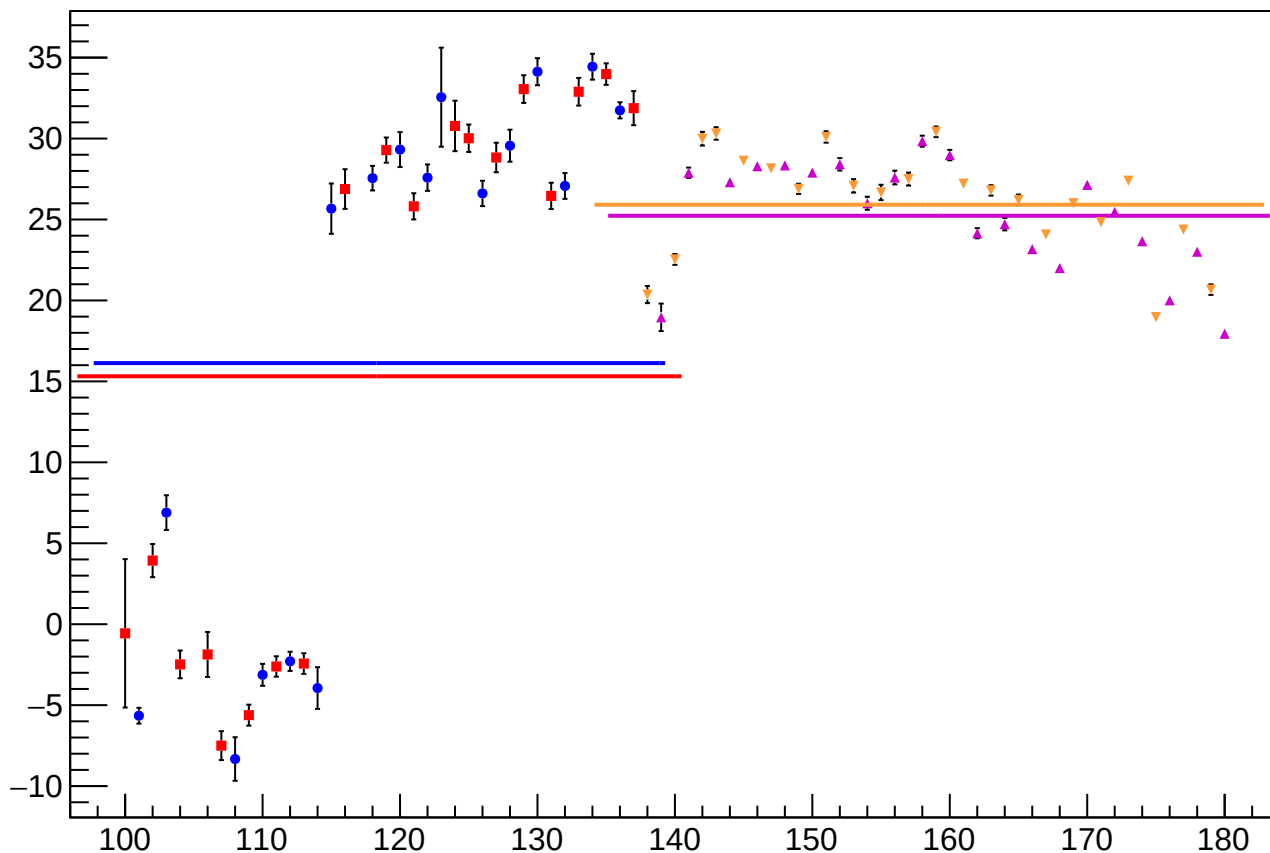
Left In: -23.188 ± 0.075 χ^2/NDF : 15420.3/20

+ sign -24.957 ± 0.075 χ^2/NDF : 12719.3/38

All: -24.155 ± 0.052 χ^2/NDF : 29081.3/78

- sign -23.406 ± 0.073 χ^2/NDF : 16142.3/39

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 25.913 $\pm$ 0.067 χ^2 /NDF:2144.8/21

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

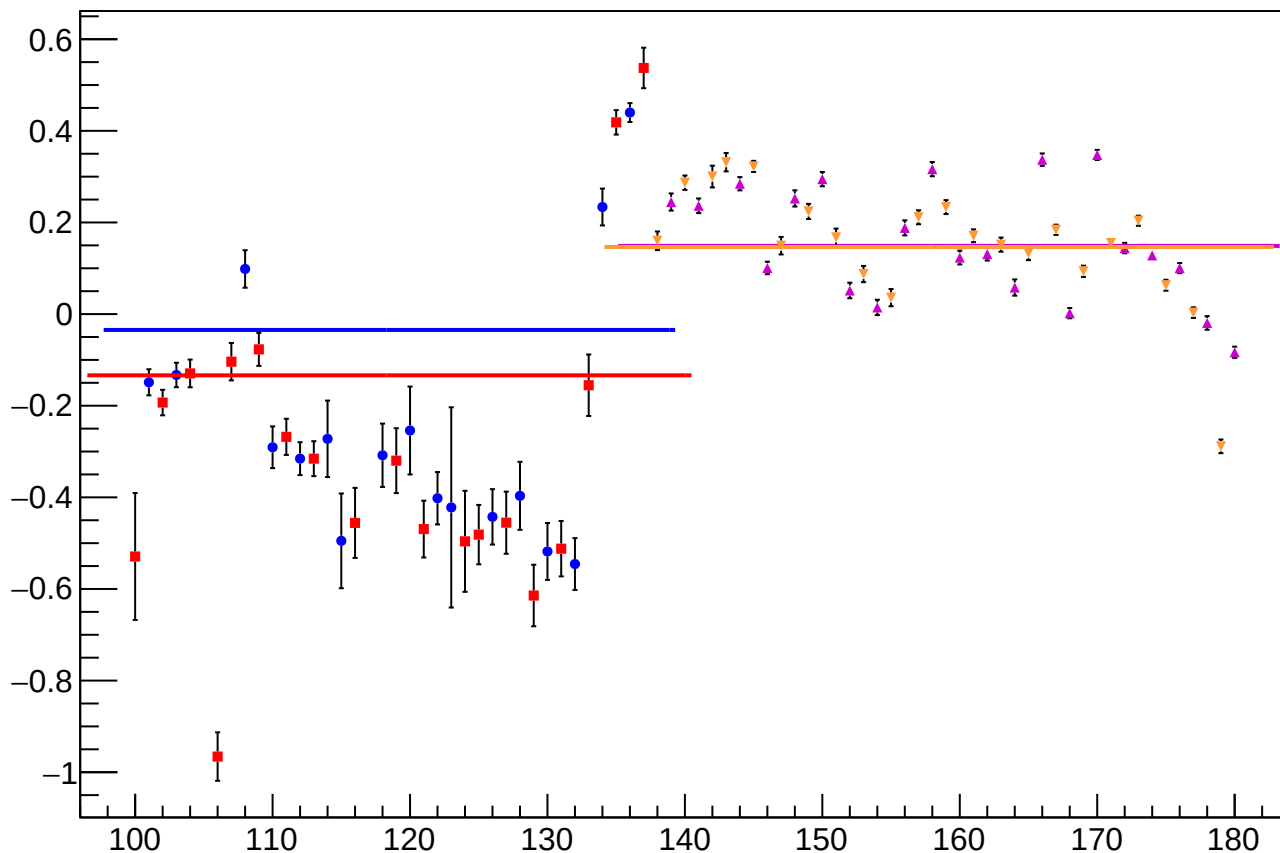
Left In: 25.231 $\pm$ 0.066 χ^2 /NDF:2491.7/20

+ sign 24.858 $\pm$ 0.063 χ^2 /NDF: 12032.7/38

All: 24.542 $\pm$ 0.044 χ^2 /NDF: 24130.1/78

- sign 24.232 $\pm$ 0.063 χ^2 /NDF: 12047.7/39

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.147 ± 0.003 χ^2/NDF : 1649.5/21

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

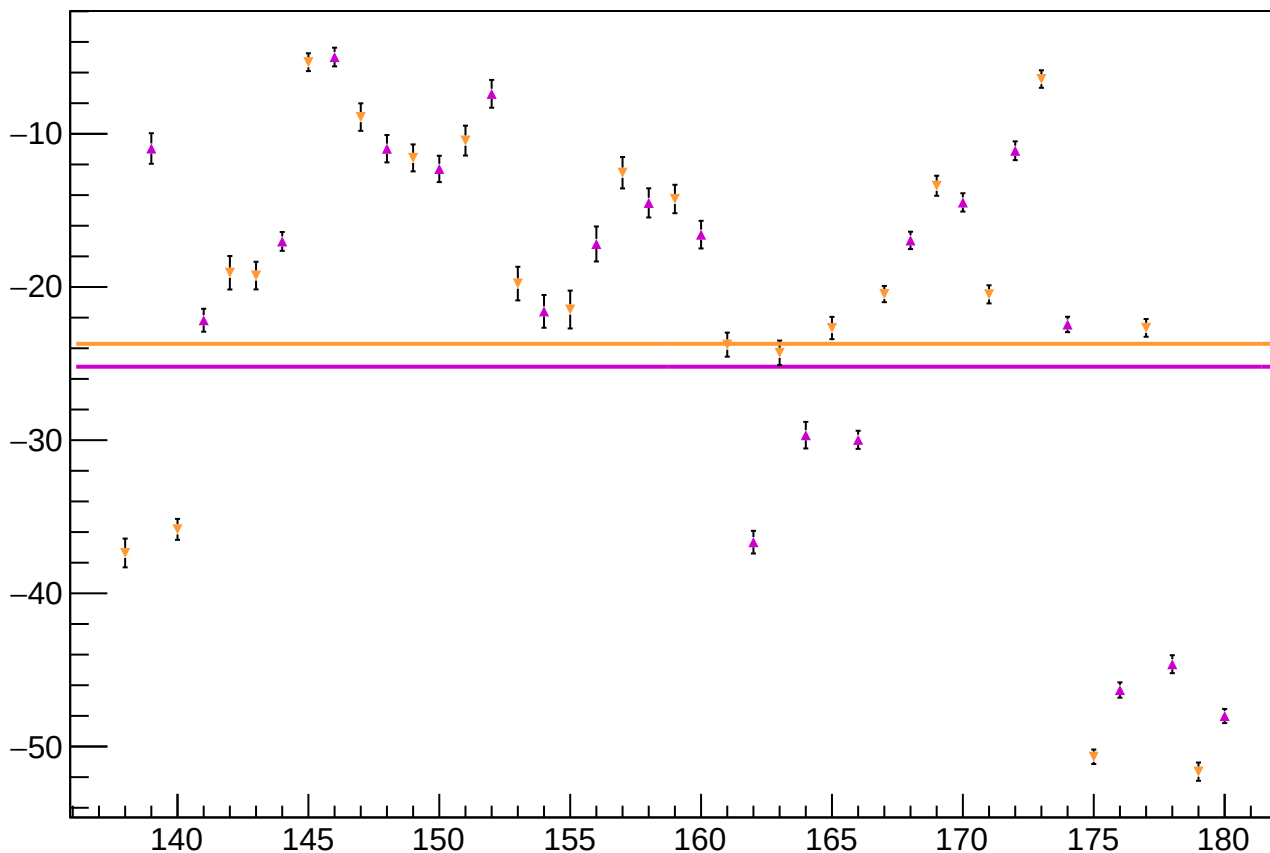
Left In: 0.149 ± 0.003 χ^2/NDF : 1728.3/20

+ sign 0.132 ± 0.003 χ^2/NDF : 2943.2/38

All: 0.129 ± 0.002 χ^2/NDF : 6518.0/78

- sign 0.127 ± 0.003 χ^2/NDF : 3573.3/39

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -23.709+/-0.153 χ^2/NDF : 9120.4/21

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

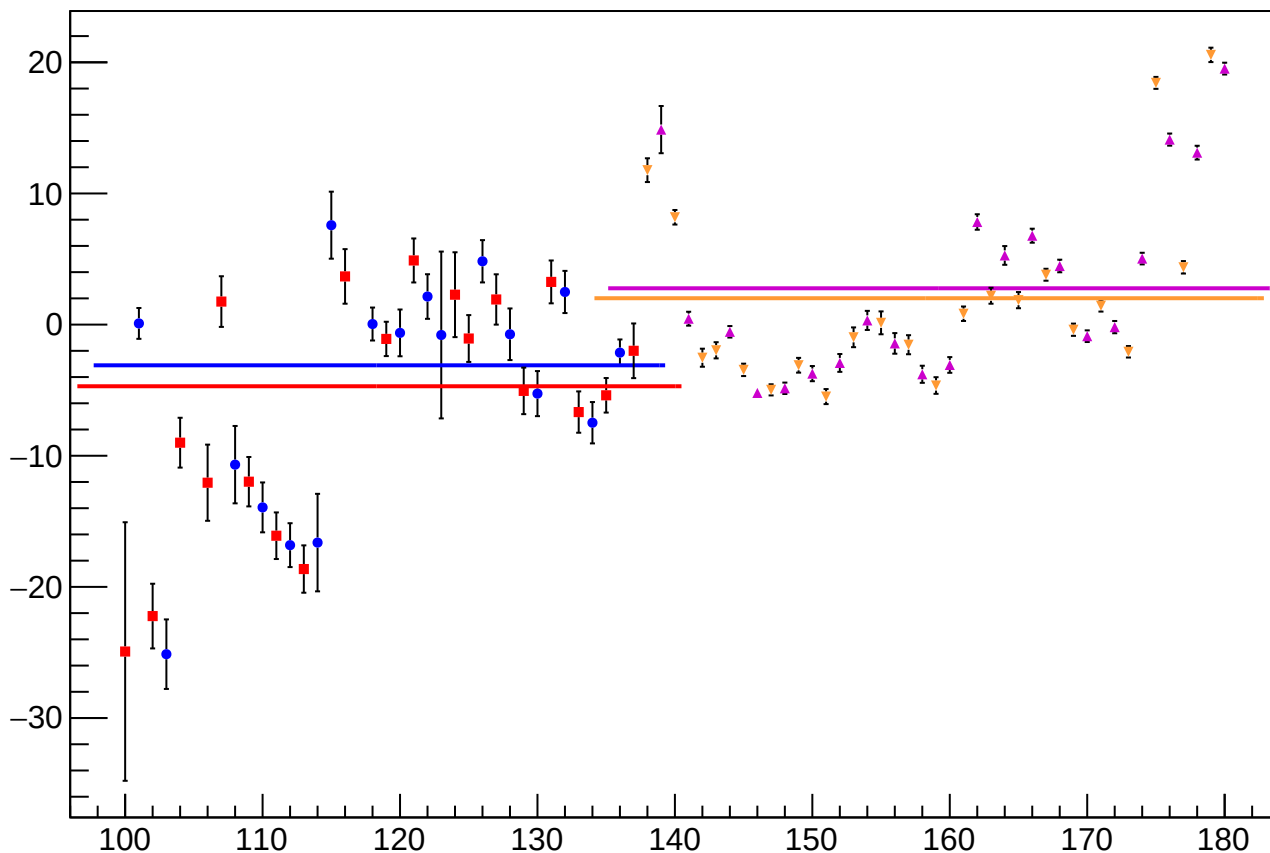
Left In: -25.204+/-0.147 χ^2/NDF : 9373.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -24.485+/-0.106 χ^2/NDF : 18543.4/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: 2.012 ± 0.117 χ^2/NDF : 3736.7/21

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

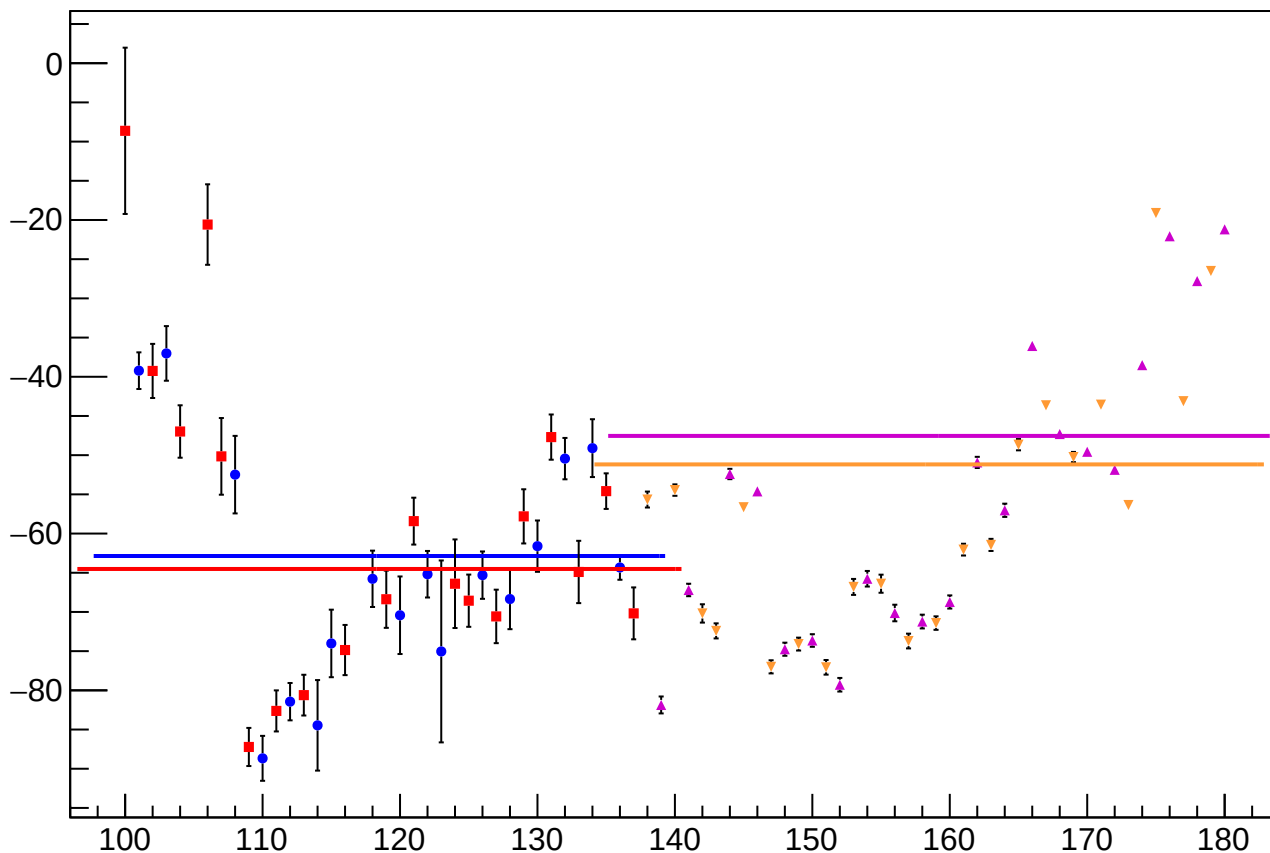
Left In: 2.769 ± 0.115 χ^2/NDF : 3961.2/20

+ sign 1.631 ± 0.112 χ^2/NDF : 4159.2/38

All: 1.951 ± 0.079 χ^2/NDF : 8720.1/78

- sign 2.264 ± 0.111 χ^2/NDF : 4544.8/39

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -51.178 ± 0.153 χ^2/NDF : 12246.5/21

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

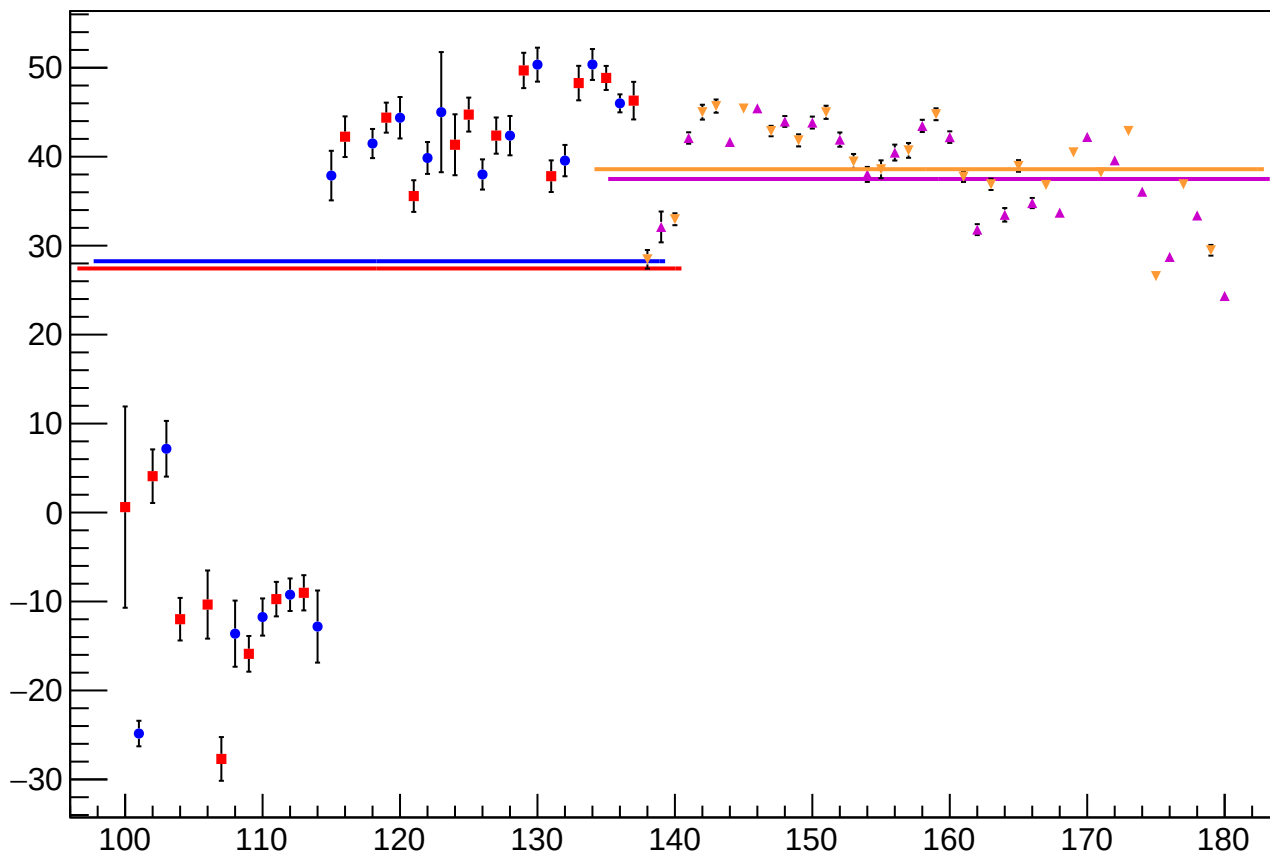
Left In: -47.543 ± 0.147 χ^2/NDF : 15344.4/20

+ sign -51.657 ± 0.150 χ^2/NDF : 12853.9/38

All: -49.847 ± 0.104 χ^2/NDF : 29414.0/78

- sign -48.170 ± 0.144 χ^2/NDF : 16279.6/39

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 38.596 $\pm$ 0.132 χ^2 /NDF:1704.7/21

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

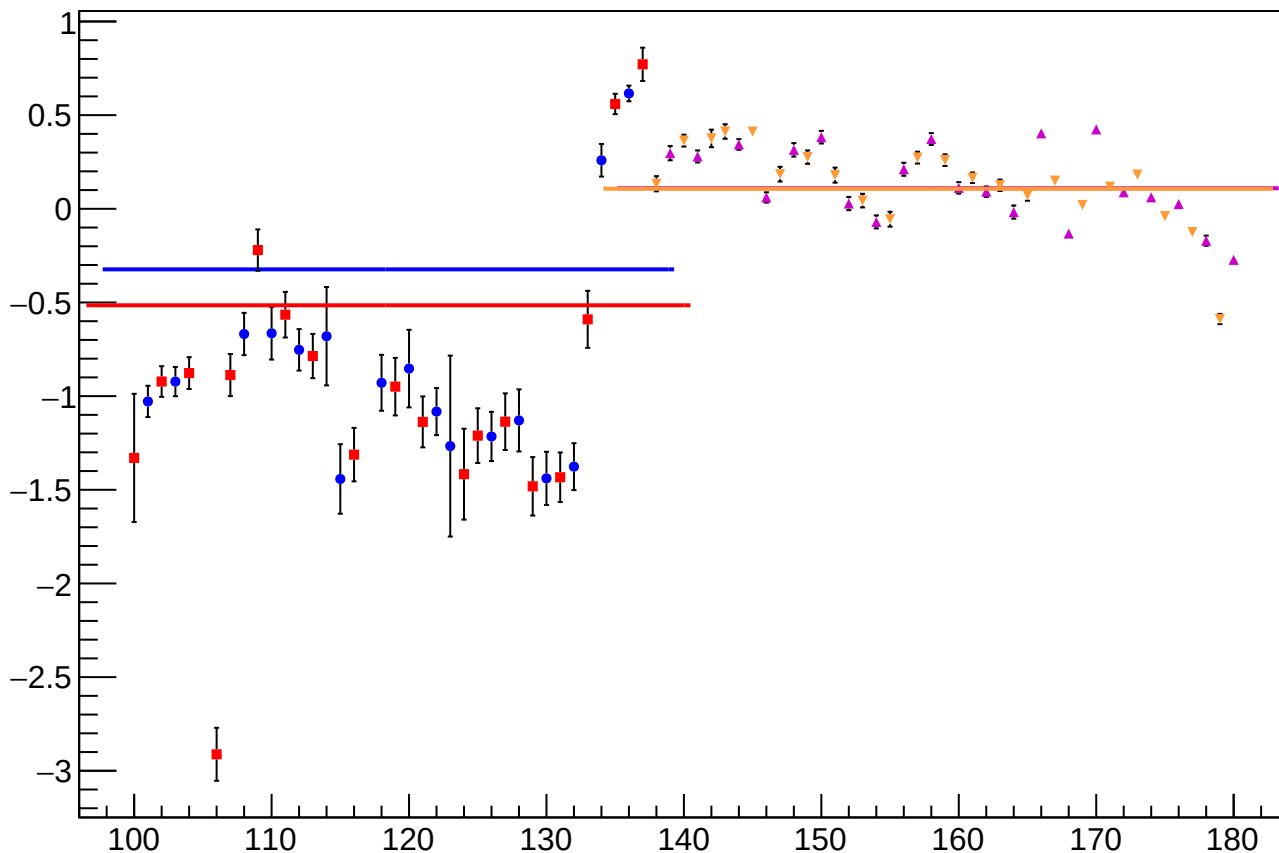
Left In: 37.493 $\pm$ 0.130 χ^2 /NDF:2194.3/20

+ sign 37.809 $\pm$ 0.127 χ^2 /NDF: 5491.4/38

All: 37.300 $\pm$ 0.089 χ^2 /NDF: 11161.0/78

- sign 36.805 $\pm$ 0.125 χ^2 /NDF: 5637.9/39

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.107 ± 0.006 $\chi^2/\text{NDF}: 1254.9/21$

Right Out: -0.515 ± 0.026 $\chi^2/\text{NDF}: 1160.9/18$

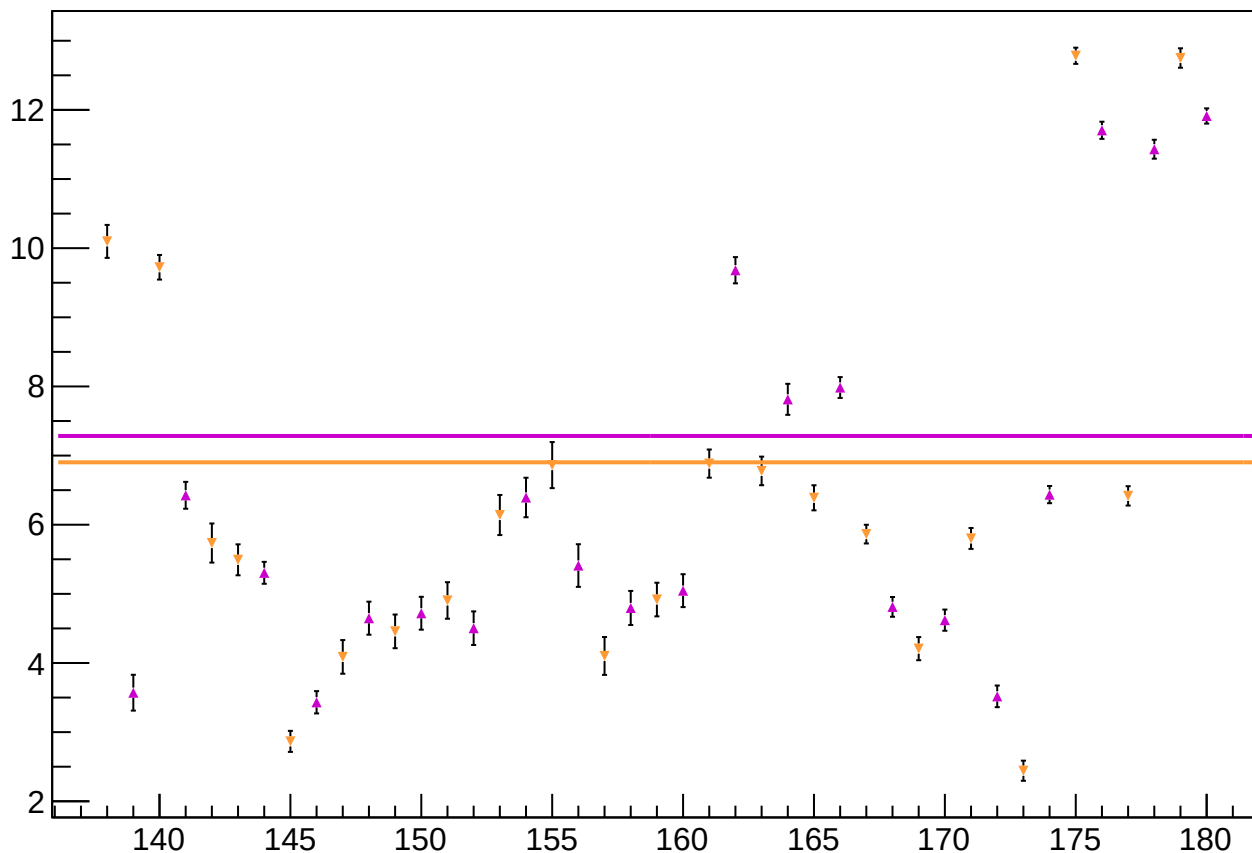
Left In: 0.110 ± 0.006 $\chi^2/\text{NDF}: 1211.0/20$

+ sign 0.083 ± 0.006 $\chi^2/\text{NDF}: 2546.5/38$

All: 0.081 ± 0.004 $\chi^2/\text{NDF}: 5477.4/78$

- sign 0.078 ± 0.006 $\chi^2/\text{NDF}: 2930.6/39$

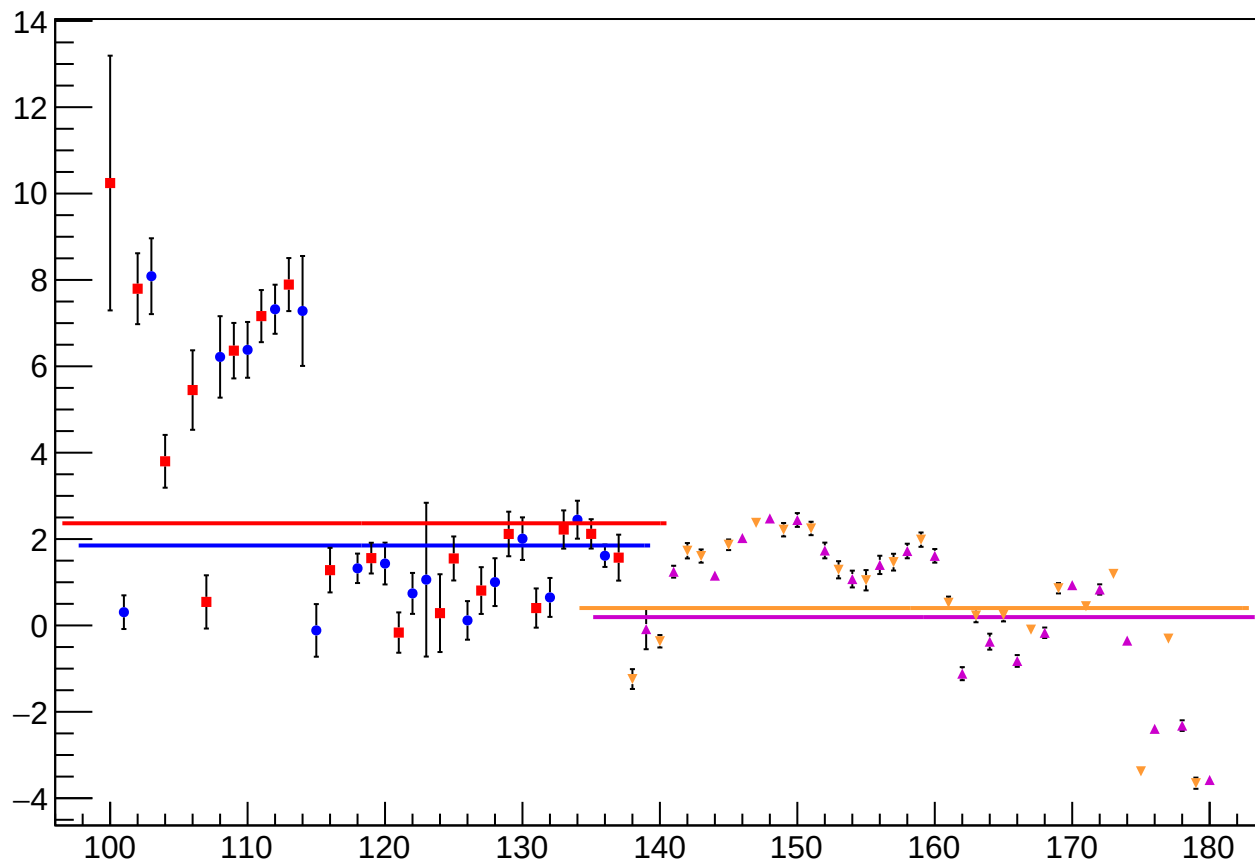
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.902+/-0.039 χ^2/NDF : 7242.4/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.284+/-0.037 χ^2/NDF : 6922.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 7.102+/-0.027 χ^2/NDF : 14214.7/42
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 $\pm$ 0.117 χ^2 /NDF: 294.2/16

Left Out: 0.403 $\pm$ 0.030 χ^2 /NDF: 3294.7/21

Right Out: 2.365 $\pm$ 0.123 χ^2 /NDF: 336.2/18

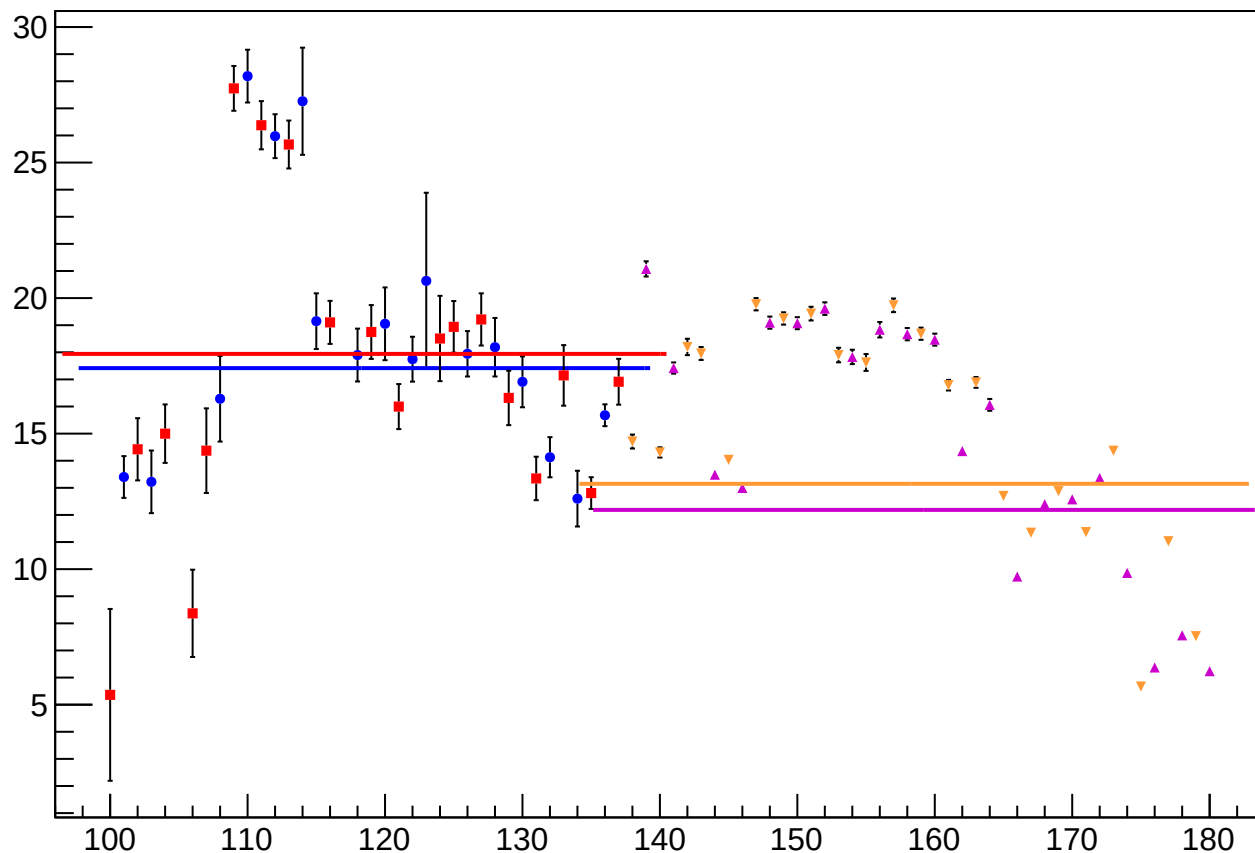
Left In: 0.193 $\pm$ 0.029 χ^2 /NDF: 3754.2/20

+ sign 0.491 $\pm$ 0.029 χ^2 /NDF: 3732.3/38

All: 0.400 $\pm$ 0.020 χ^2 /NDF: 8139.5/78

- sign 0.311 $\pm$ 0.029 χ^2 /NDF: 4387.4/39

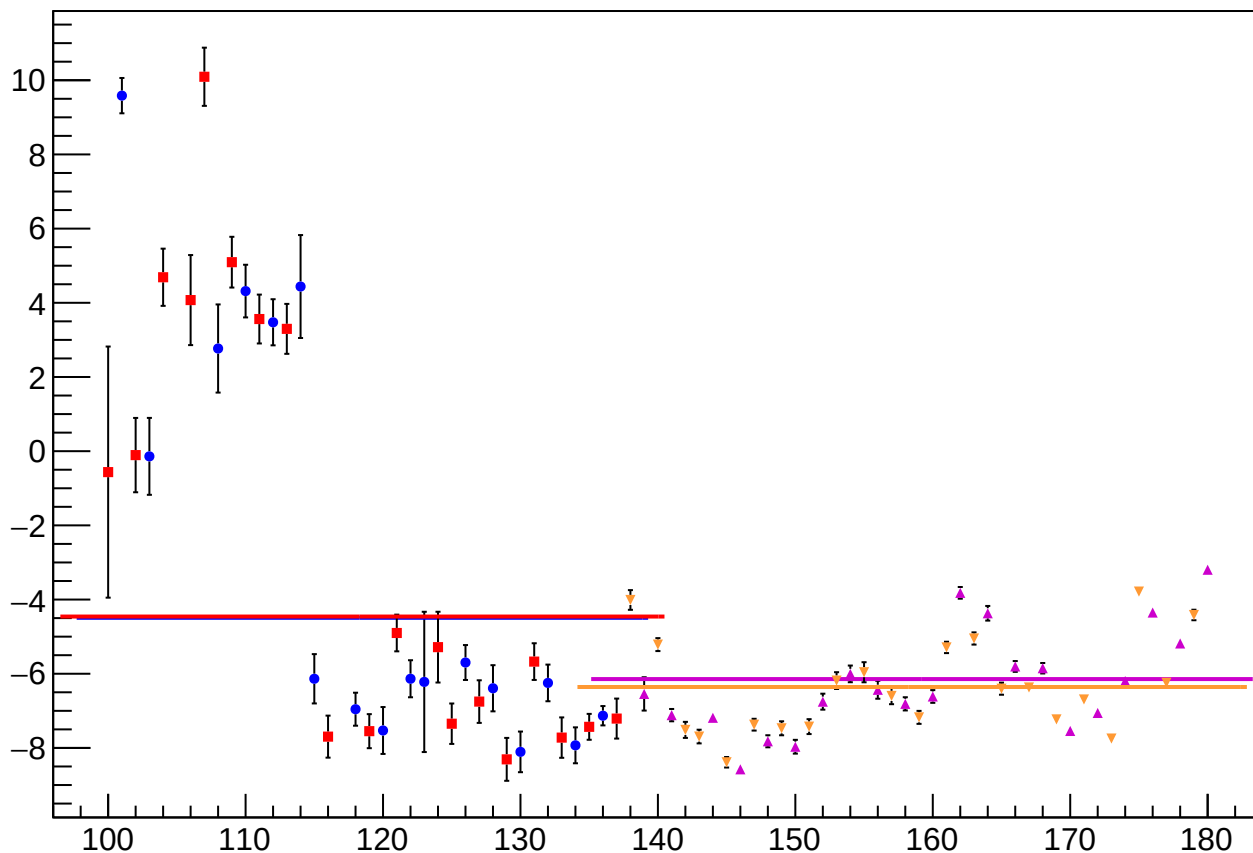
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 ± 0.213 $\chi^2/\text{NDF}: 367.0/16$
 Left Out: 13.149 ± 0.039 $\chi^2/\text{NDF}: 11792.1/21$
 Right Out: 17.941 ± 0.219 $\chi^2/\text{NDF}: 505.6/18$
 Left In: 12.186 ± 0.037 $\chi^2/\text{NDF}: 14688.2/20$

+ sign 13.288 ± 0.038 $\chi^2/\text{NDF}: 12549.0/38$
 All: 12.798 ± 0.027 $\chi^2/\text{NDF}: 28725.3/78$
 - sign 12.348 ± 0.037 $\chi^2/\text{NDF}: 15864.0/39$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -6.357 ± 0.034 χ^2/NDF : 1495.0/21

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

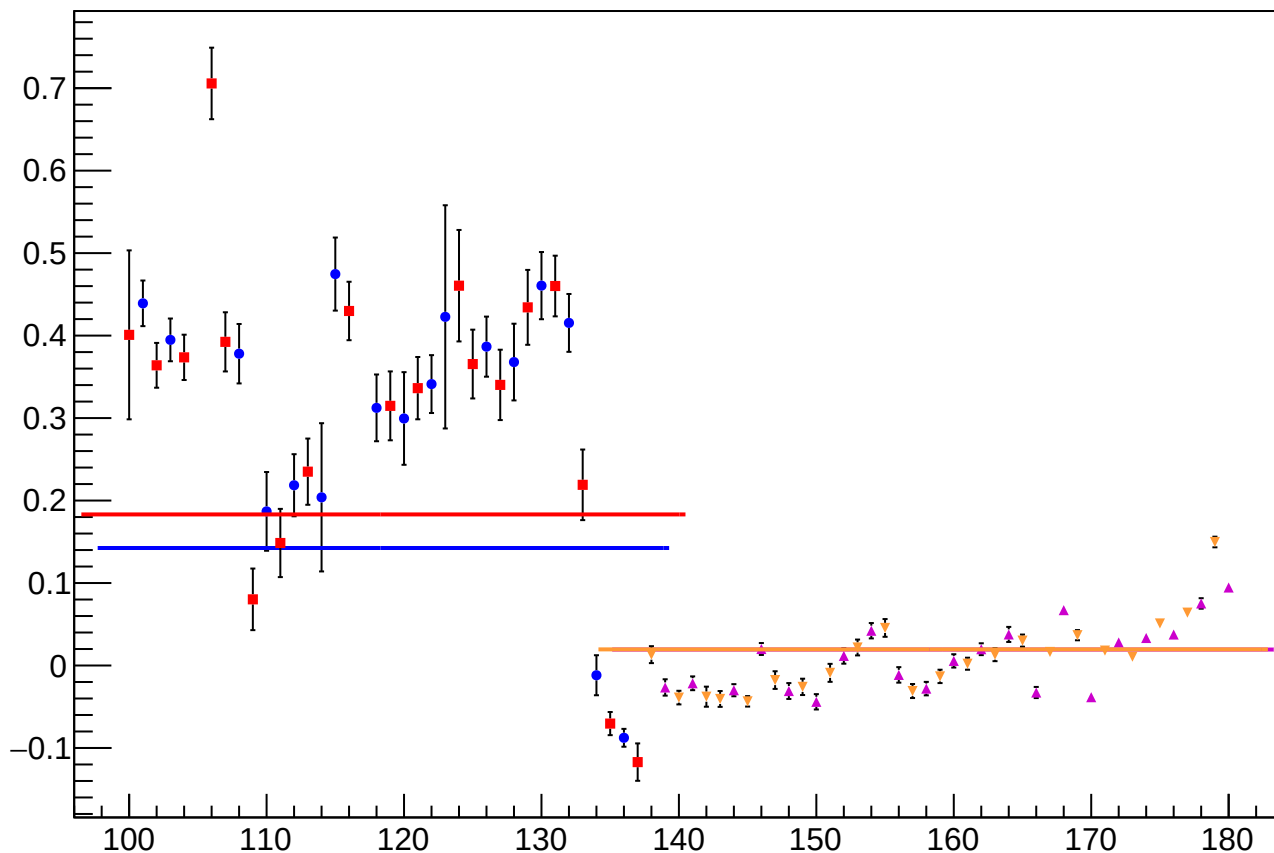
Left In: -6.144 ± 0.033 χ^2/NDF : 2126.9/20

+ sign -6.240 ± 0.033 χ^2/NDF : 3272.2/38

All: -6.144 ± 0.023 χ^2/NDF : 6898.1/78

- sign -6.051 ± 0.032 χ^2/NDF : 3608.9/39

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1058.8/16

Left Out: 0.020 $\pm$ 0.002 χ^2 /NDF:836.3/21

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 1000.9/18

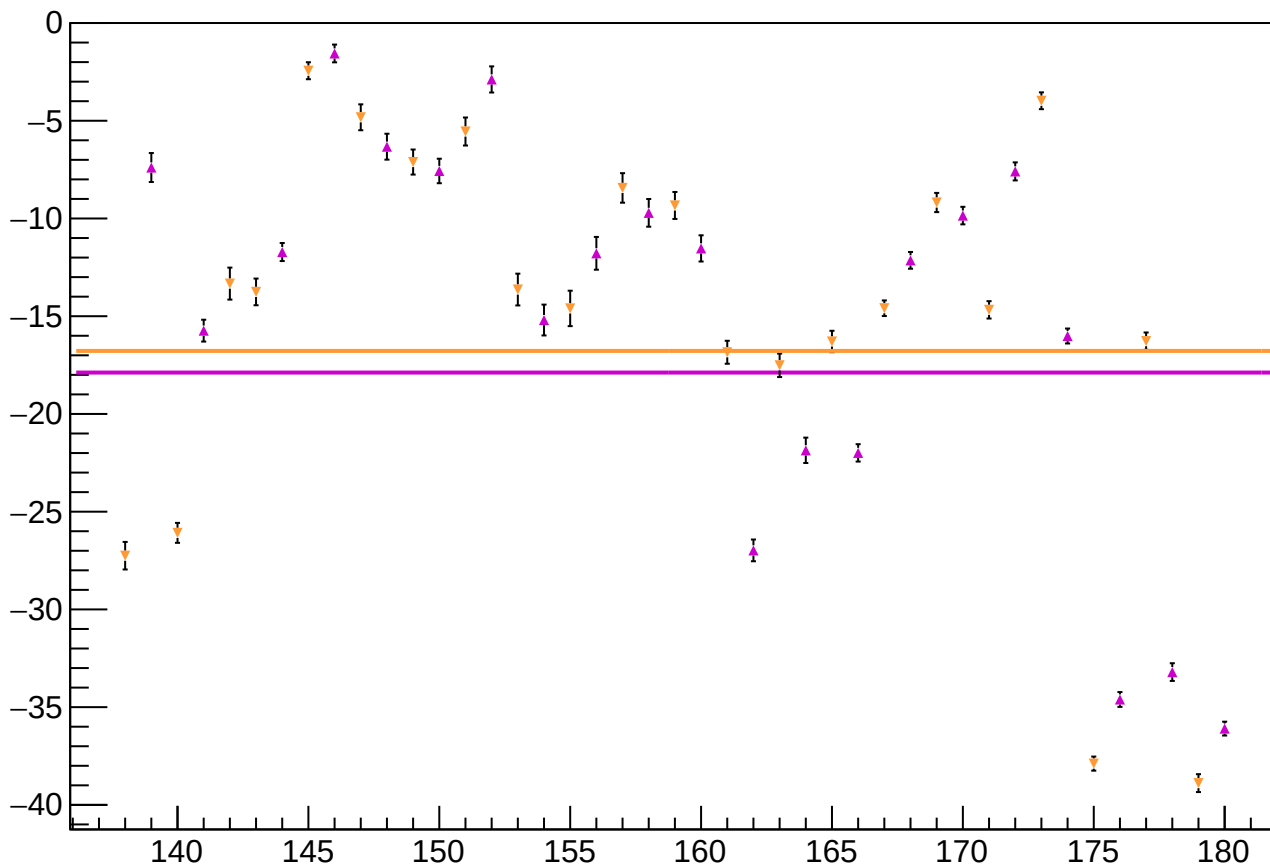
Left In: 0.019 $\pm$ 0.002 χ^2 /NDF:757.3/20

+ sign 0.025 $\pm$ 0.002 χ^2 /NDF: 2183.5/38

All: 0.026 $\pm$ 0.001 χ^2 /NDF: 4411.1/78

- sign 0.026 $\pm$ 0.001 χ^2 /NDF: 2227.5/39

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -16.774+/-0.115 χ^2/NDF : 9679.7/21

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

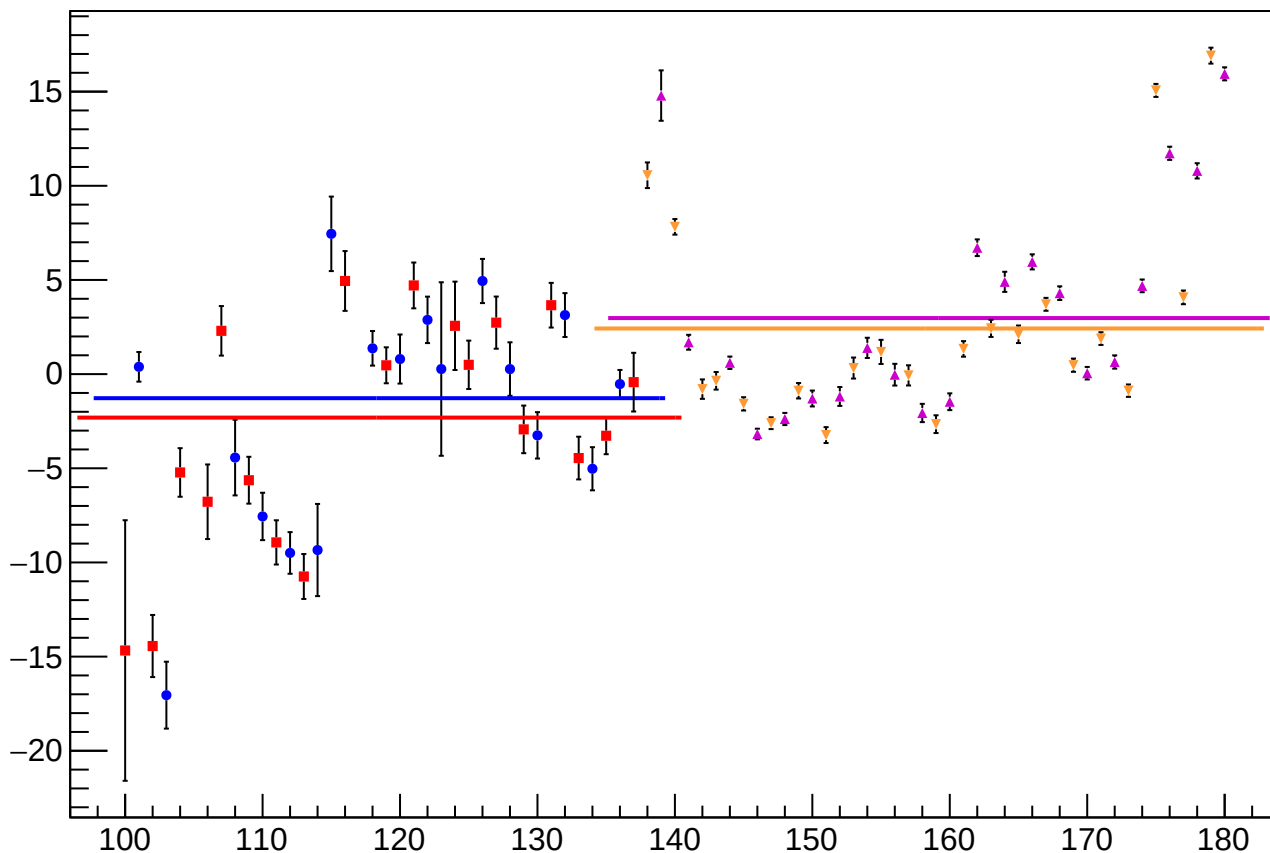
Left In: -17.883+/-0.111 χ^2/NDF : 10194.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.349+/-0.080 χ^2/NDF : 19921.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 2.423 ± 0.087 χ^2/NDF : 3856.4/21

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

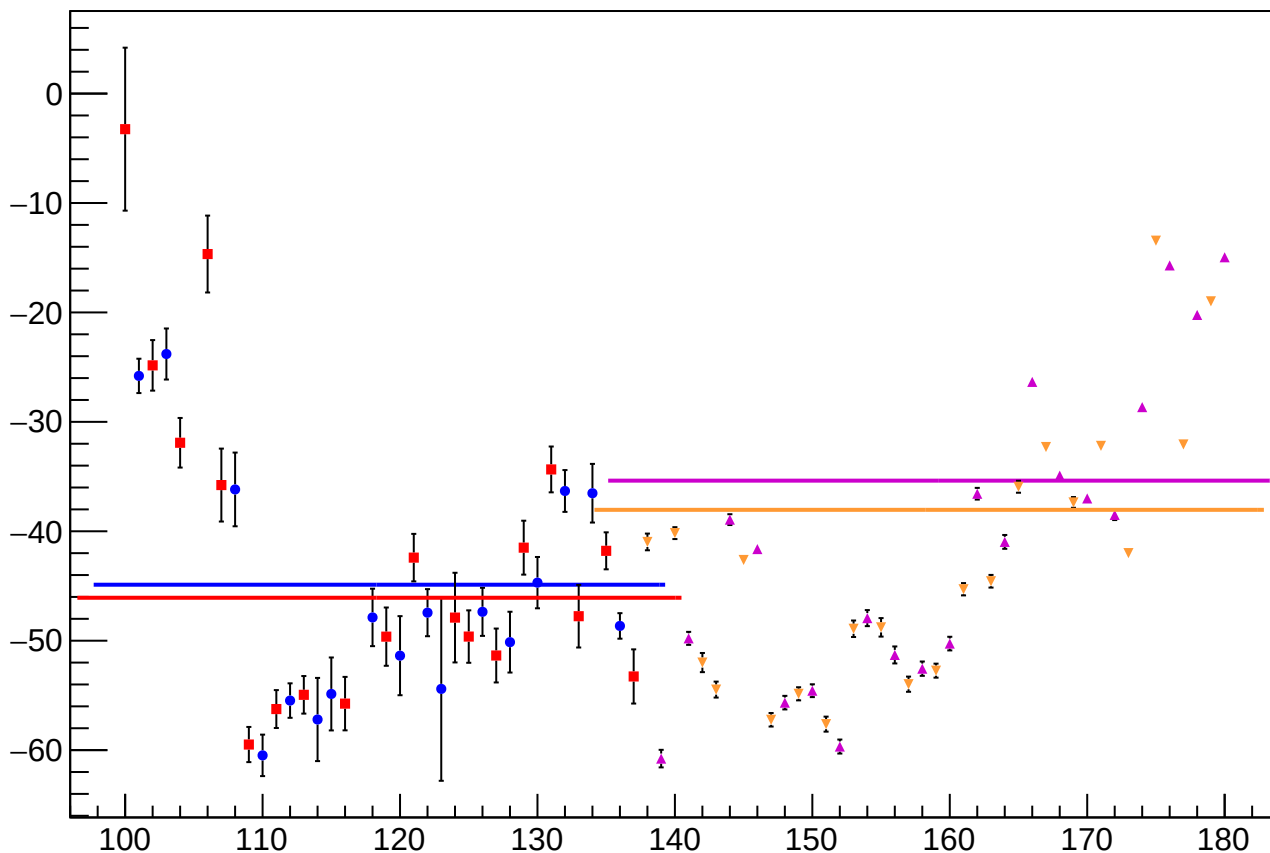
Left In: 2.976 ± 0.086 χ^2/NDF : 3998.0/20

+ sign 2.120 ± 0.084 χ^2/NDF : 4280.0/38

All: 2.351 ± 0.059 χ^2/NDF : 8861.1/78

- sign 2.579 ± 0.083 χ^2/NDF : 4566.0/39

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -38.040 ± 0.115 χ^2/NDF : 12244.5/21

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

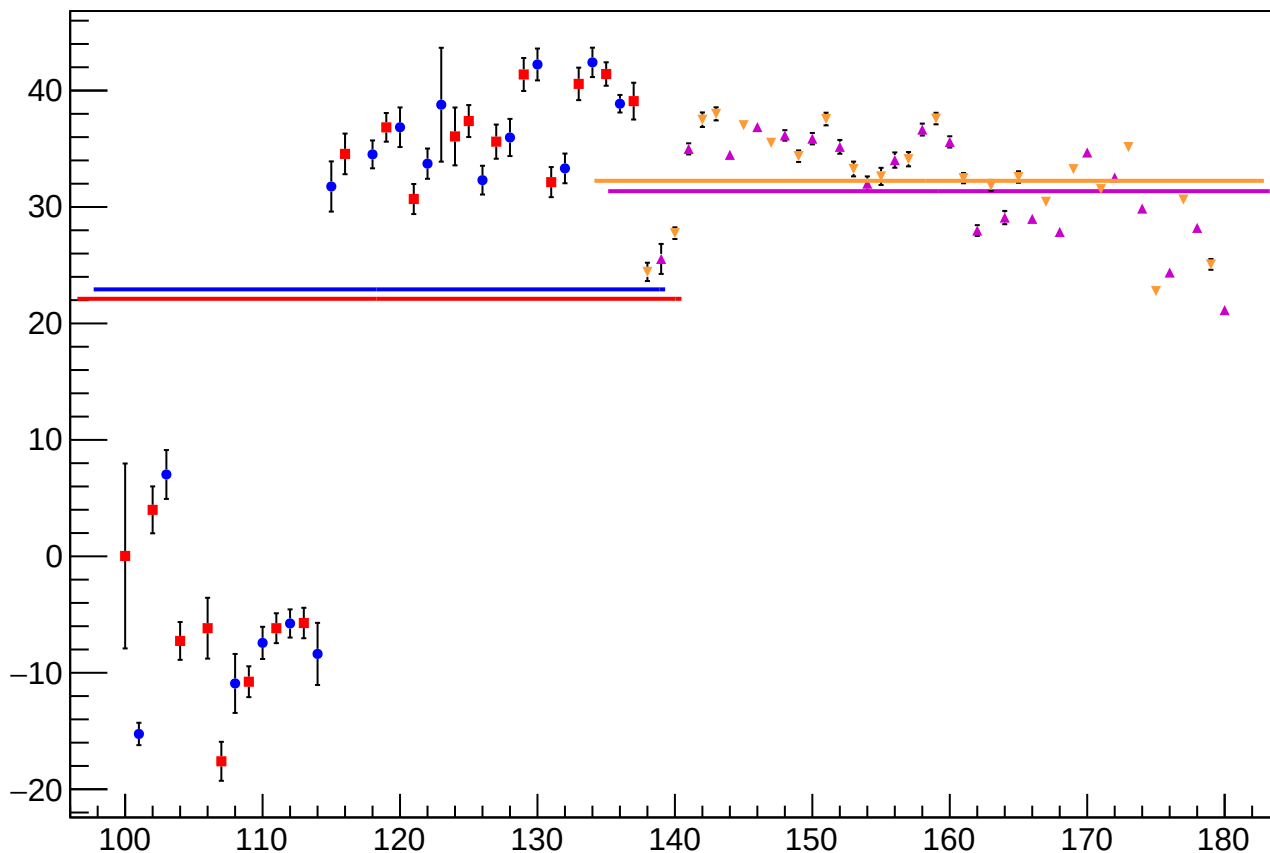
Left In: -35.372 ± 0.111 χ^2/NDF : 15433.5/20

+ sign -38.354 ± 0.112 χ^2/NDF : 12827.9/38

All: -37.042 ± 0.078 χ^2/NDF : 29371.6/78

- sign -35.822 ± 0.108 χ^2/NDF : 16280.5/39

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 32.250 $\pm$ 0.099 χ^2 /NDF:1826.7/21

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

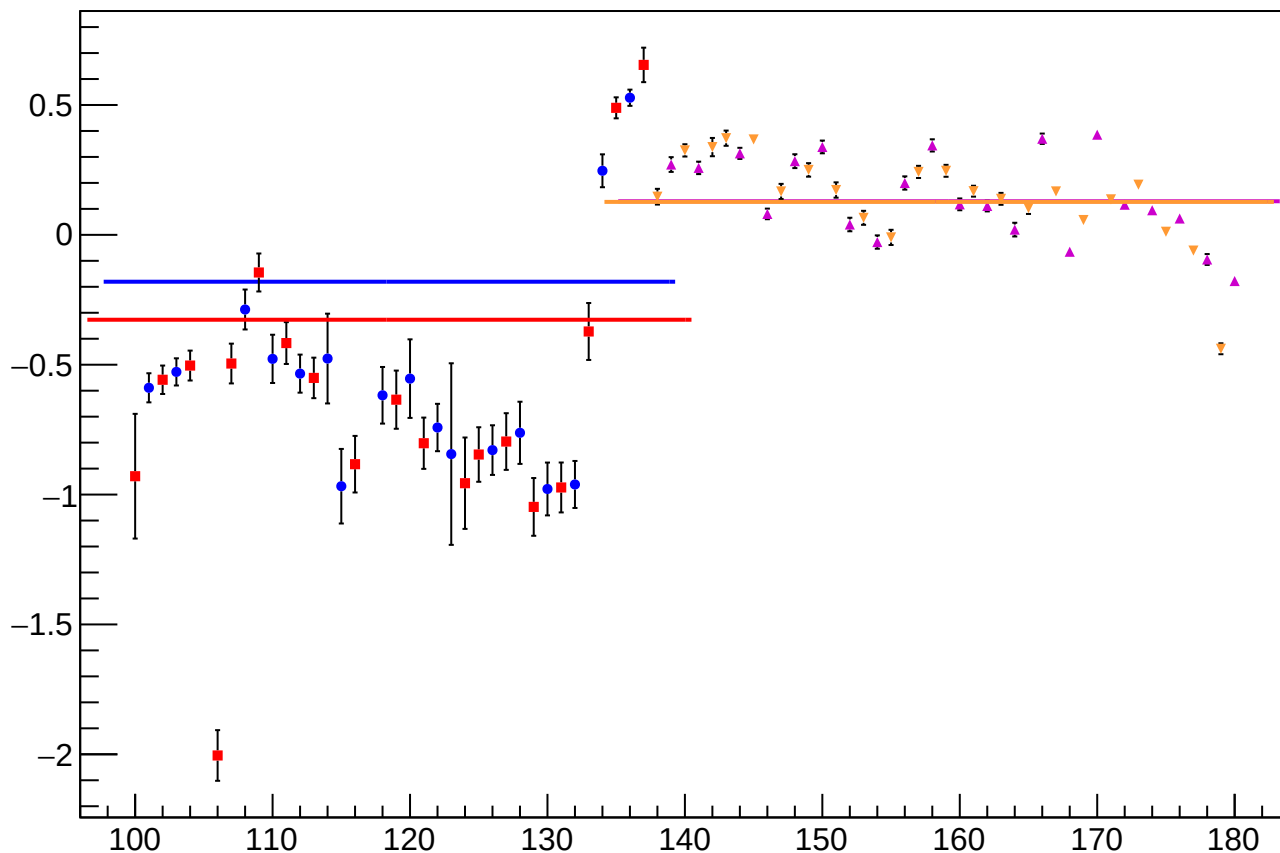
Left In: 31.359 $\pm$ 0.097 χ^2 /NDF:2266.7/20

+ sign 31.472 $\pm$ 0.095 χ^2 /NDF: 6897.3/38

All: 31.060 $\pm$ 0.067 χ^2 /NDF: 13917.8/78

- sign 30.657 $\pm$ 0.094 χ^2 /NDF: 6983.1/39

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.127 ± 0.005 χ^2/NDF : 1392.6/21

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

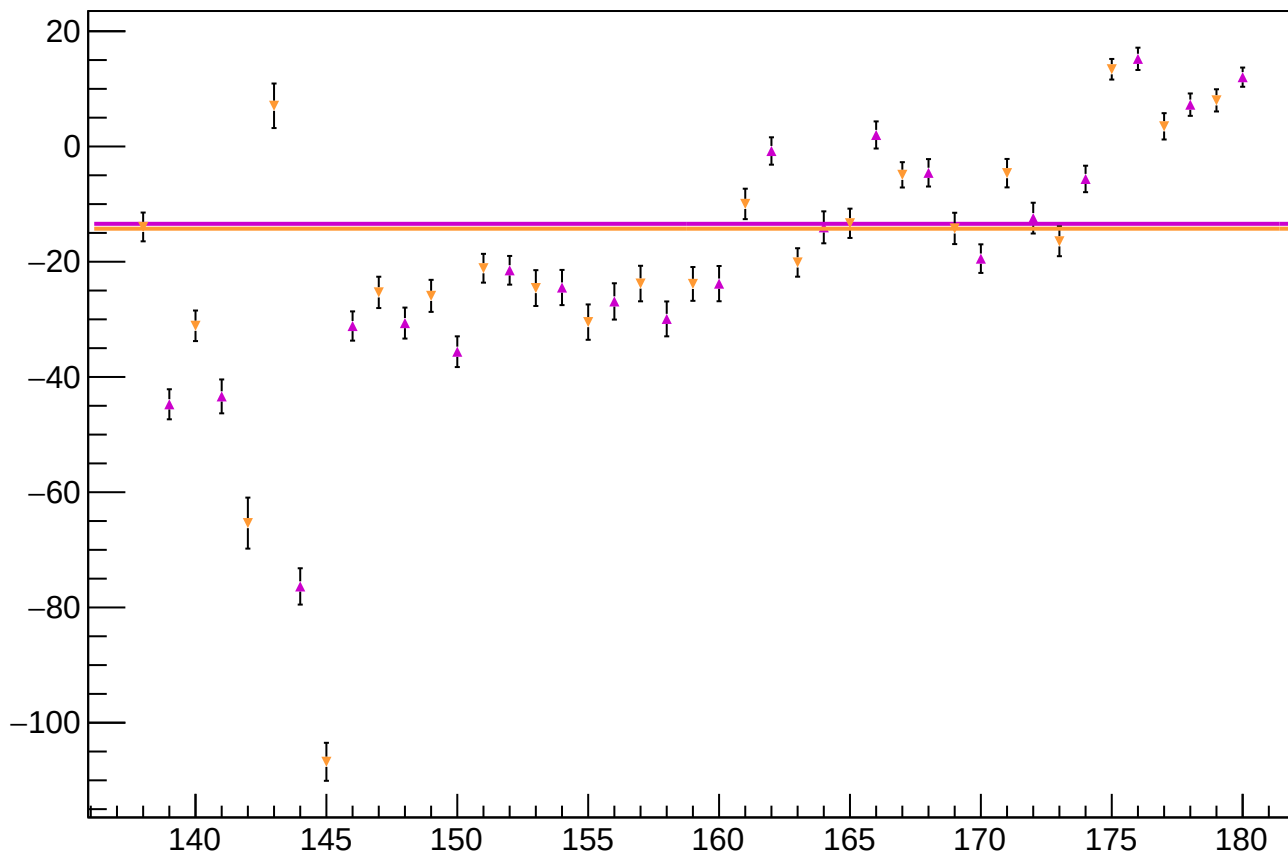
Left In: 0.129 ± 0.004 χ^2/NDF : 1380.4/20

+ sign 0.108 ± 0.004 χ^2/NDF : 2669.0/38

All: 0.106 ± 0.003 χ^2/NDF : 5818.0/78

- sign 0.103 ± 0.004 χ^2/NDF : 3148.5/39

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -14.267 $\pm$ 0.554 χ^2 /NDF:1568.4/21

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

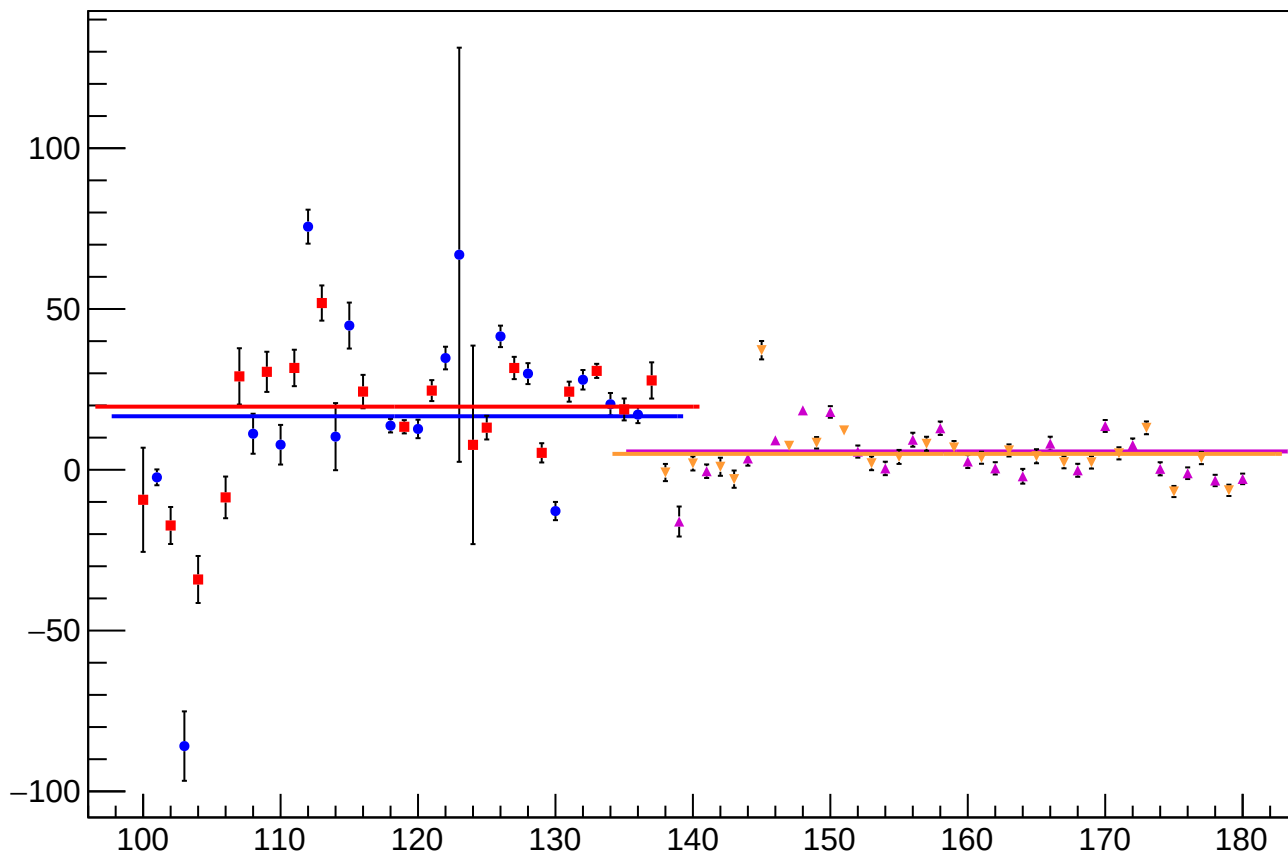
Left In: -13.419 $\pm$ 0.540 χ^2 /NDF:1556.3/20

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

All: -13.833 $\pm$ 0.387 χ^2 /NDF: 3125.9/42

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

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 4.948 ± 0.415 $\chi^2/\text{NDF}: 292.0/21$

Right Out: 19.632 ± 0.896 $\chi^2/\text{NDF}: 241.7/18$

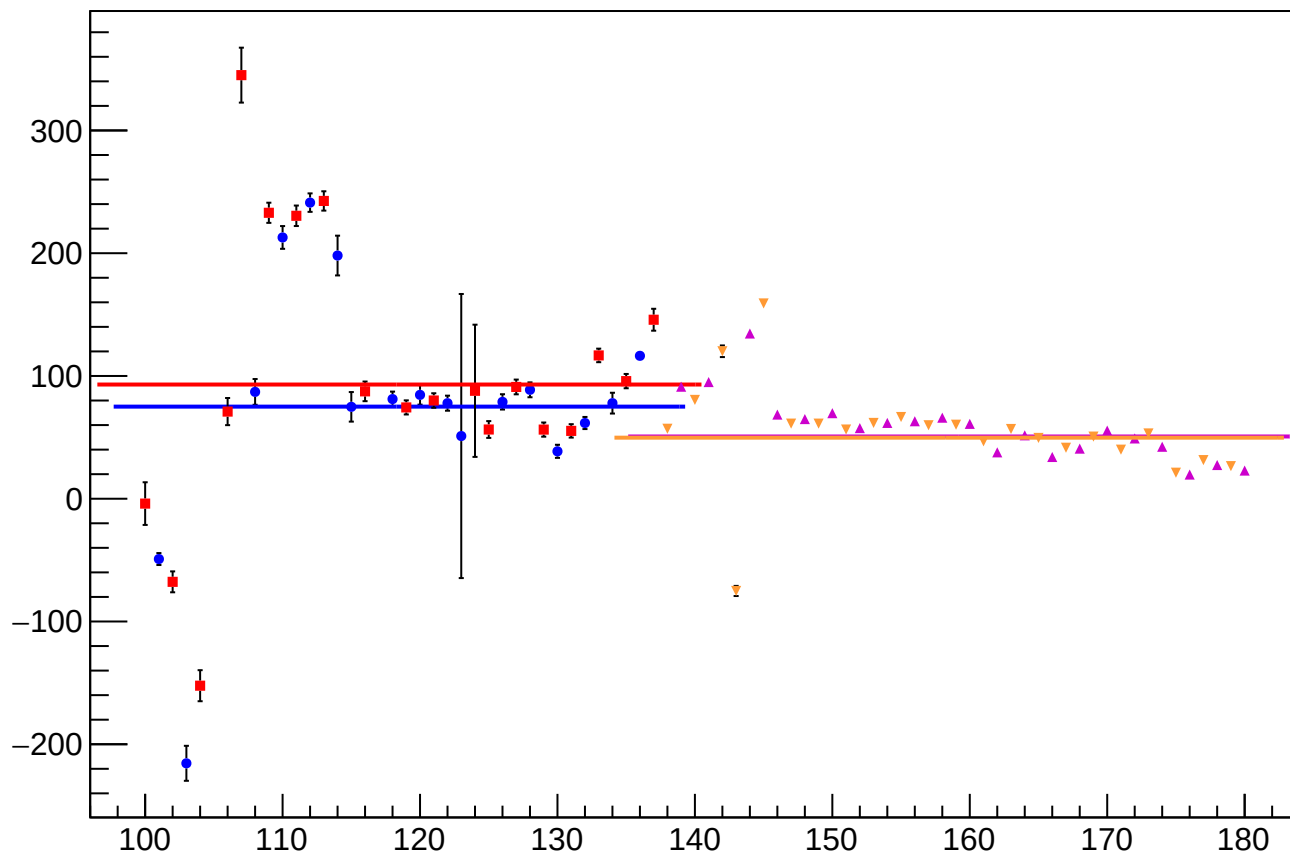
Left In: 5.704 ± 0.419 $\chi^2/\text{NDF}: 324.0/20$

+ sign 7.161 ± 0.374 $\chi^2/\text{NDF}: 961.3/38$

All: 7.673 ± 0.266 $\chi^2/\text{NDF}: 1728.9/78$

- sign 8.202 ± 0.380 $\chi^2/\text{NDF}: 763.8/39$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 49.738 ± 0.547 χ^2/NDF : 2919.9/21

Right Out: 93.028 ± 1.711 χ^2/NDF : 2003.6/18

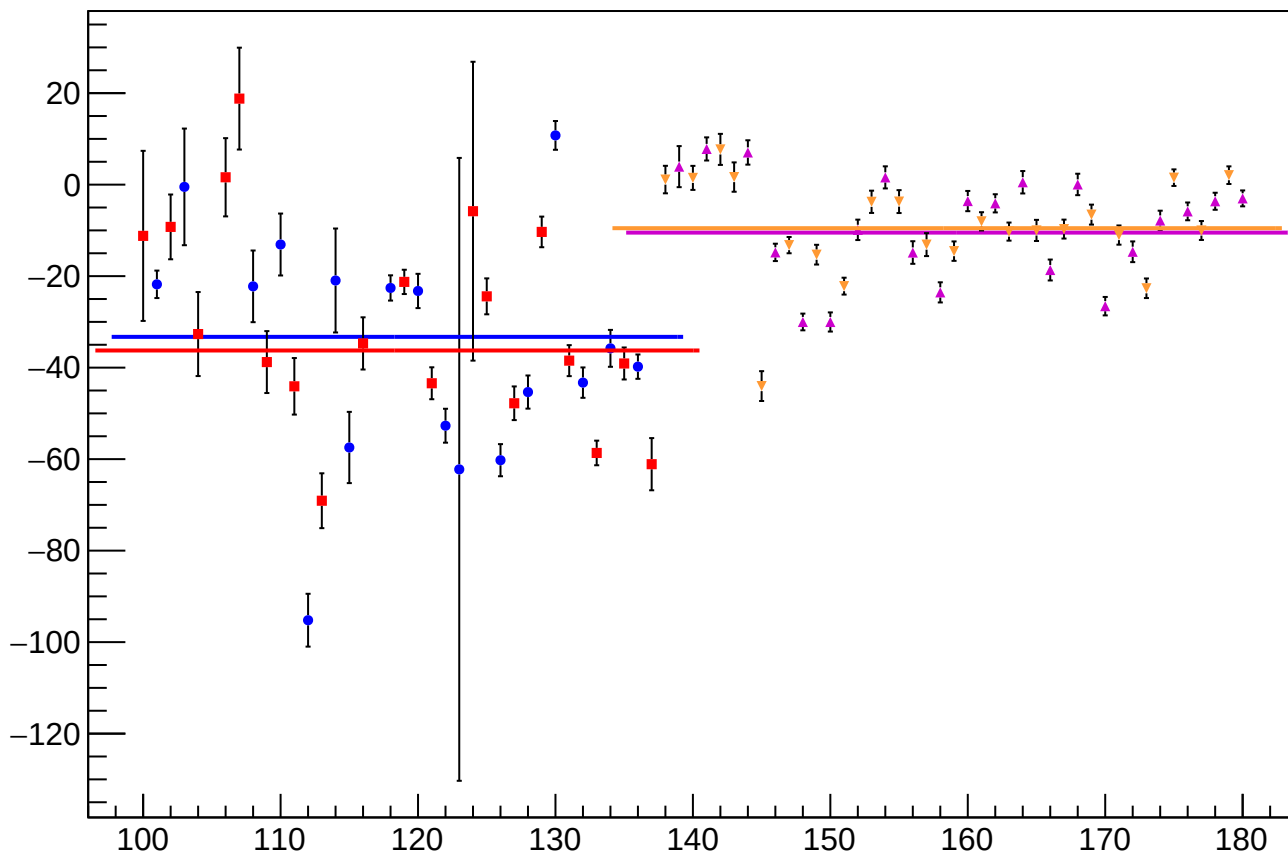
Left In: 50.715 ± 0.534 χ^2/NDF : 2054.9/20

+ sign 52.256 ± 0.519 χ^2/NDF : 5132.0/38

All: 53.383 ± 0.364 χ^2/NDF : 9756.8/78

- sign 54.467 ± 0.510 χ^2/NDF : 4615.6/39

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -9.517 ± 0.474 χ^2/NDF : 371.4/21

Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

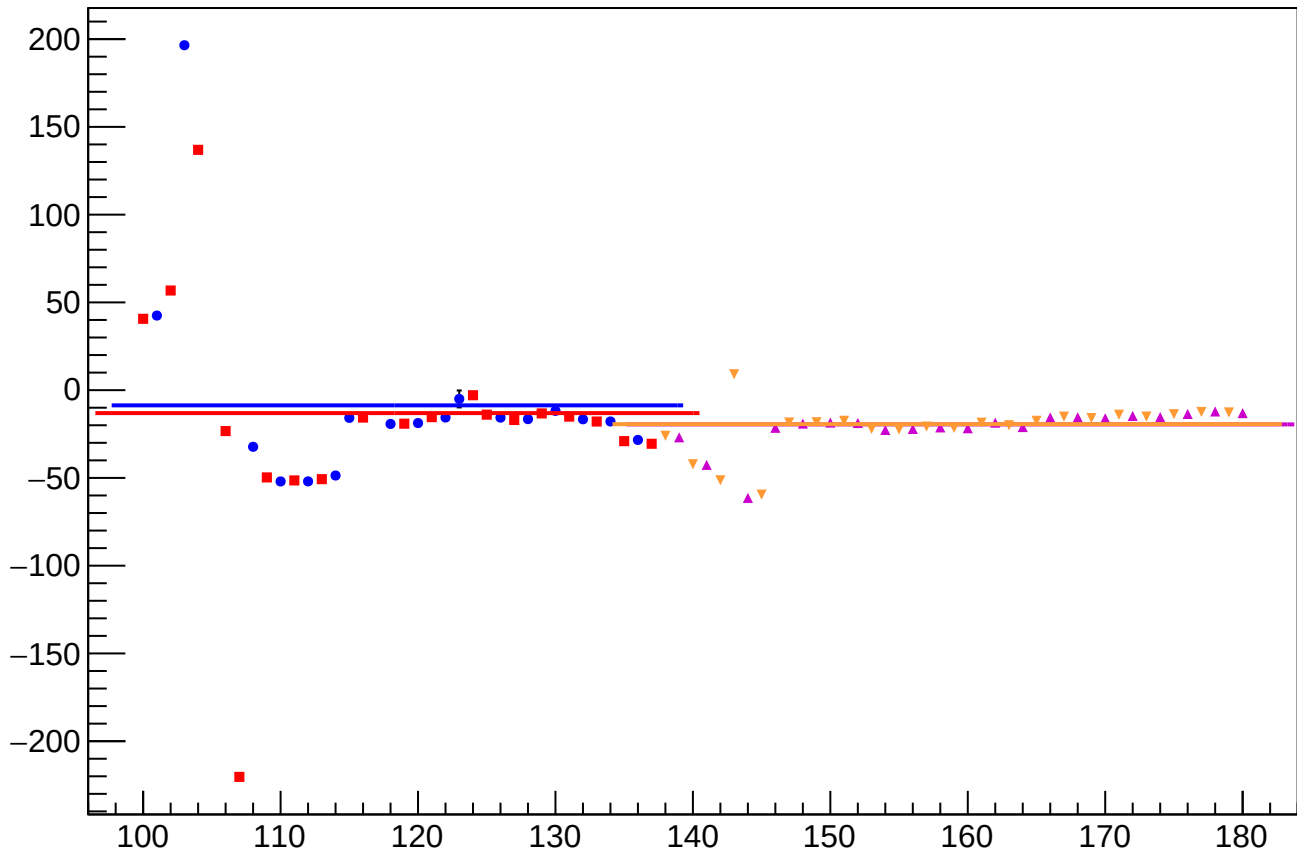
Left In: -10.485 ± 0.475 χ^2/NDF : 555.5/20

+ sign -13.999 ± 0.427 χ^2/NDF : 1335.6/38

All: -14.517 ± 0.303 χ^2/NDF : 2712.9/78

- sign -15.045 ± 0.431 χ^2/NDF : 1374.3/39

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -19.375 ± 0.022 χ^2/NDF : 213465.0/21

Right Out: -13.077 ± 0.062 χ^2/NDF : 558318.9/18

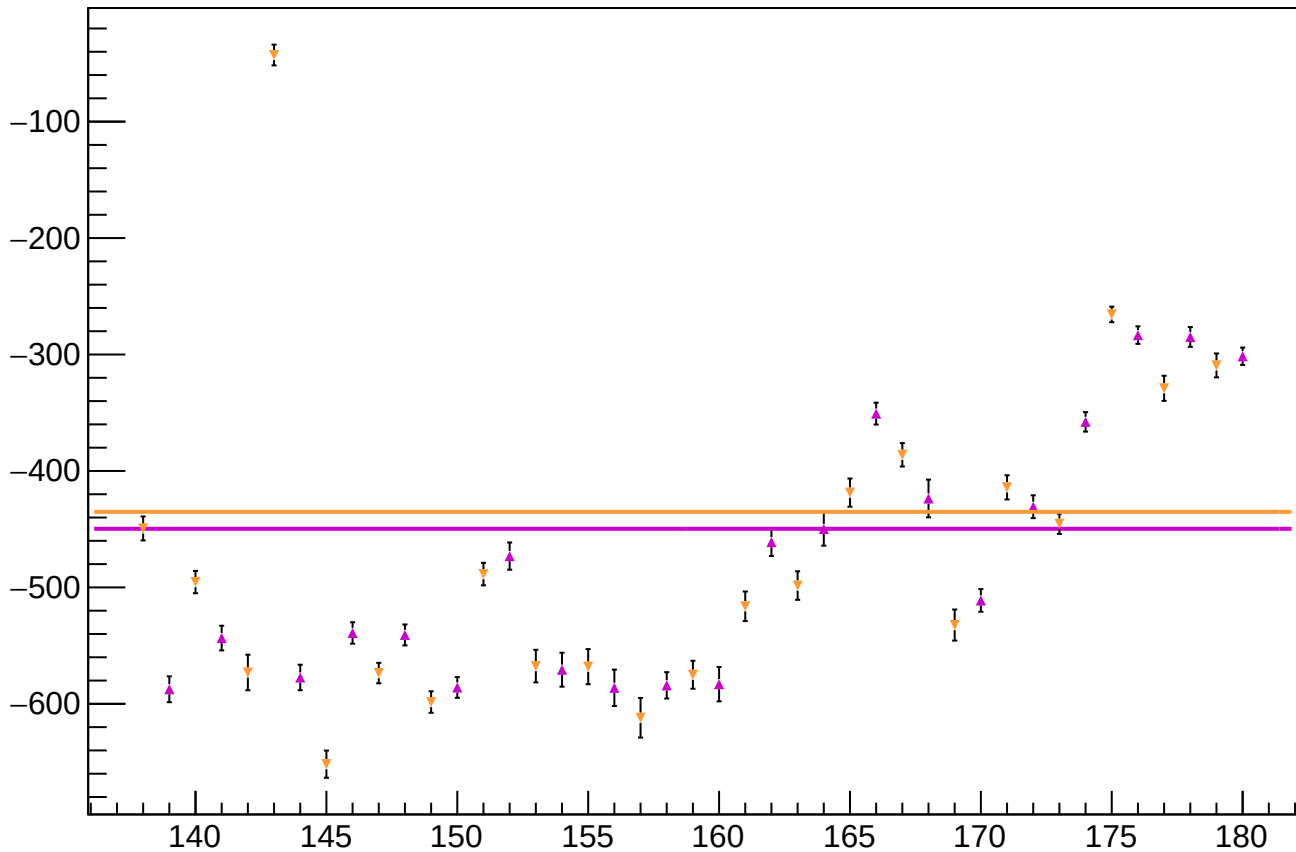
Left In: -19.503 ± 0.022 χ^2/NDF : 150017.2/20

+ sign -18.085 ± 0.020 χ^2/NDF : 818151.9/38

All: -18.448 ± 0.014 χ^2/NDF : 1536745.4/78

- sign -18.807 ± 0.020 χ^2/NDF : 717968.7/39

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -435.120 ± 2.247 χ^2/NDF : 4460.3/21

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

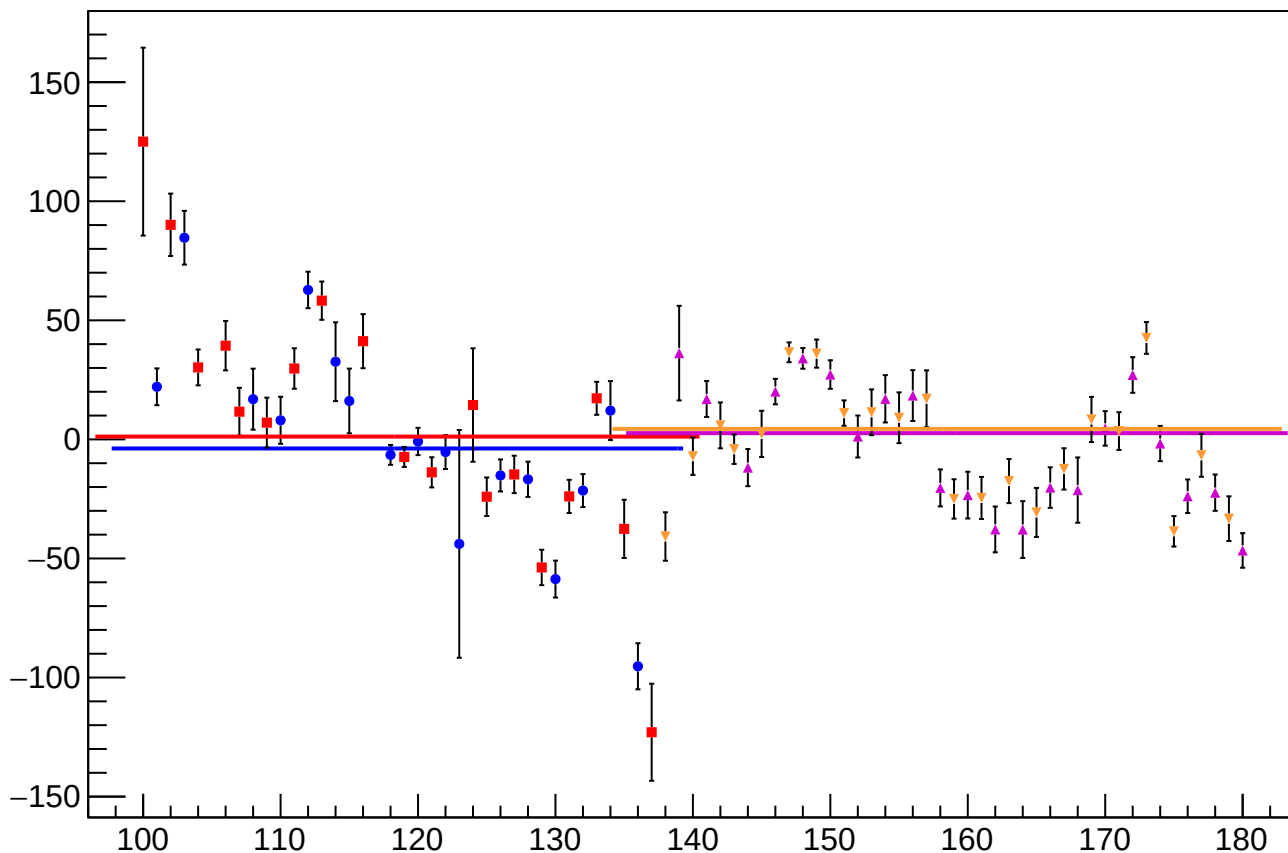
Left In: -449.676 ± 2.223 χ^2/NDF : 2710.4/20

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -442.476 ± 1.580 χ^2/NDF : 7192.0/42

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 4.422 ± 1.620 χ^2/NDF : 255.8/21

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

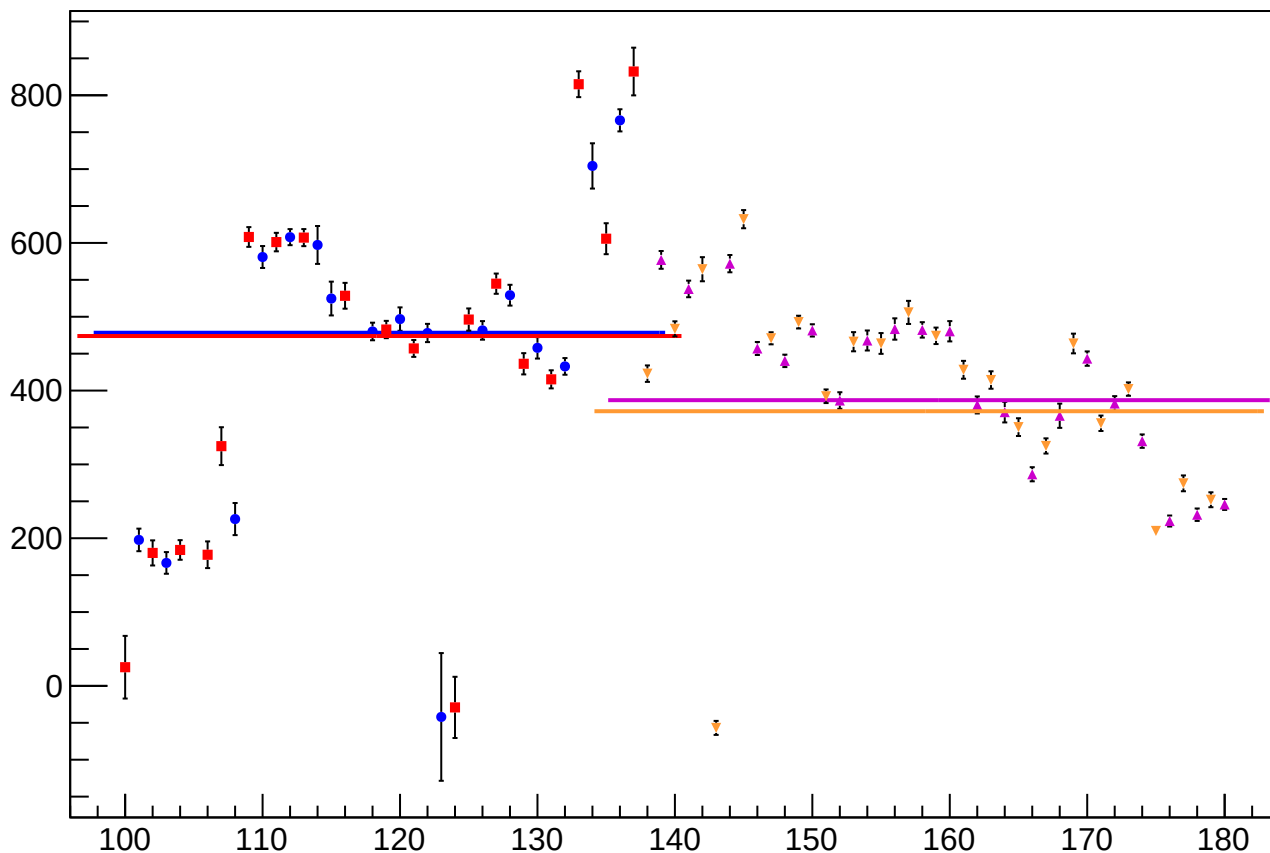
Left In: 2.616 ± 1.669 χ^2/NDF : 230.9/20

+ sign 1.002 ± 1.239 χ^2/NDF : 580.8/38

All: 1.491 ± 0.883 χ^2/NDF : 1116.2/78

- sign 1.994 ± 1.258 χ^2/NDF : 535.1/39

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 372.037 $\pm$ 2.233 χ^2 /NDF: 4301.0/21

Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

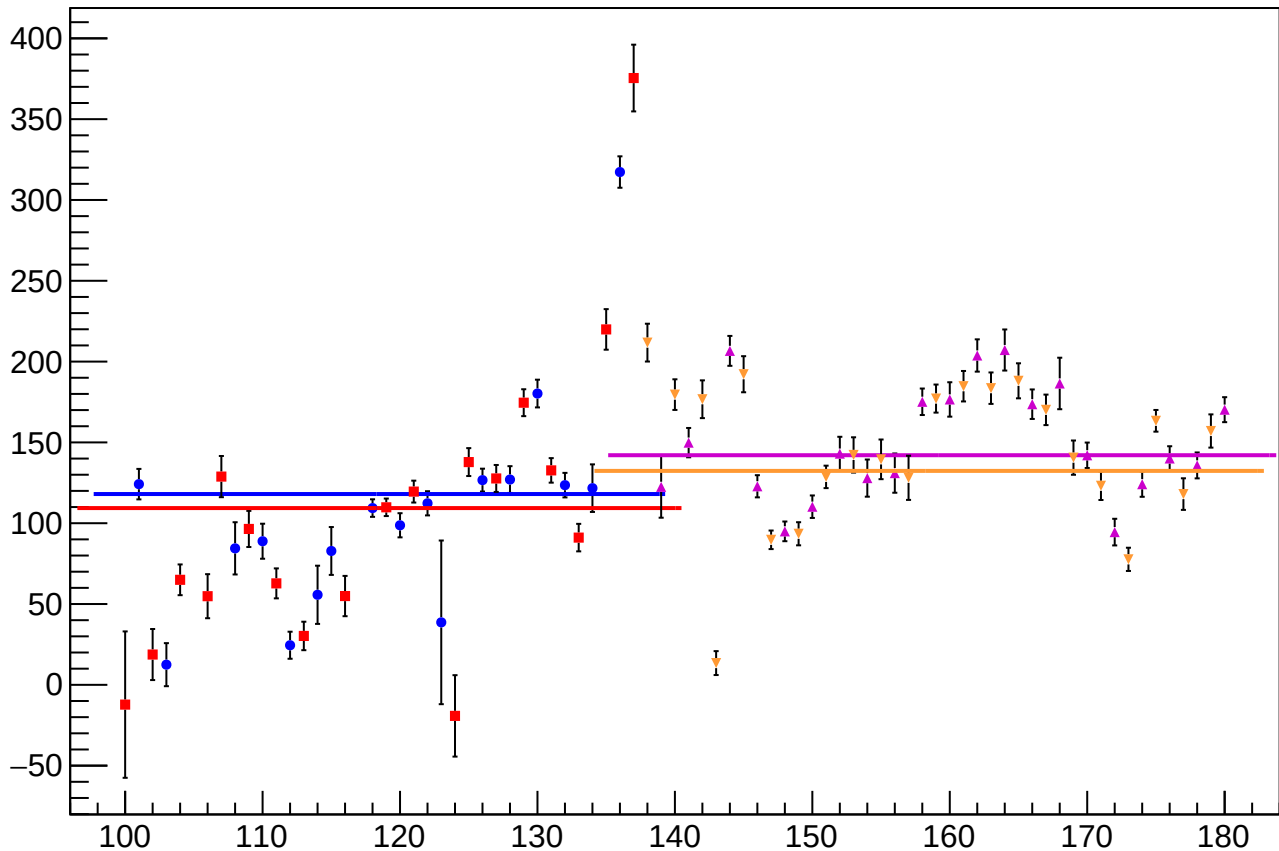
Left In: 387.004 $\pm$ 2.201 χ^2 /NDF: 2487.4/20

+ sign 400.846 $\pm$ 1.906 χ^2 /NDF: 6544.0/38

All: 406.193 $\pm$ 1.334 χ^2 /NDF: 11768.0/78

- sign 411.327 $\pm$ 1.868 χ^2 /NDF: 5208.6/39

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 132.371 $\pm$ 1.886 χ^2 /NDF: 675.3/21

Right Out: 109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

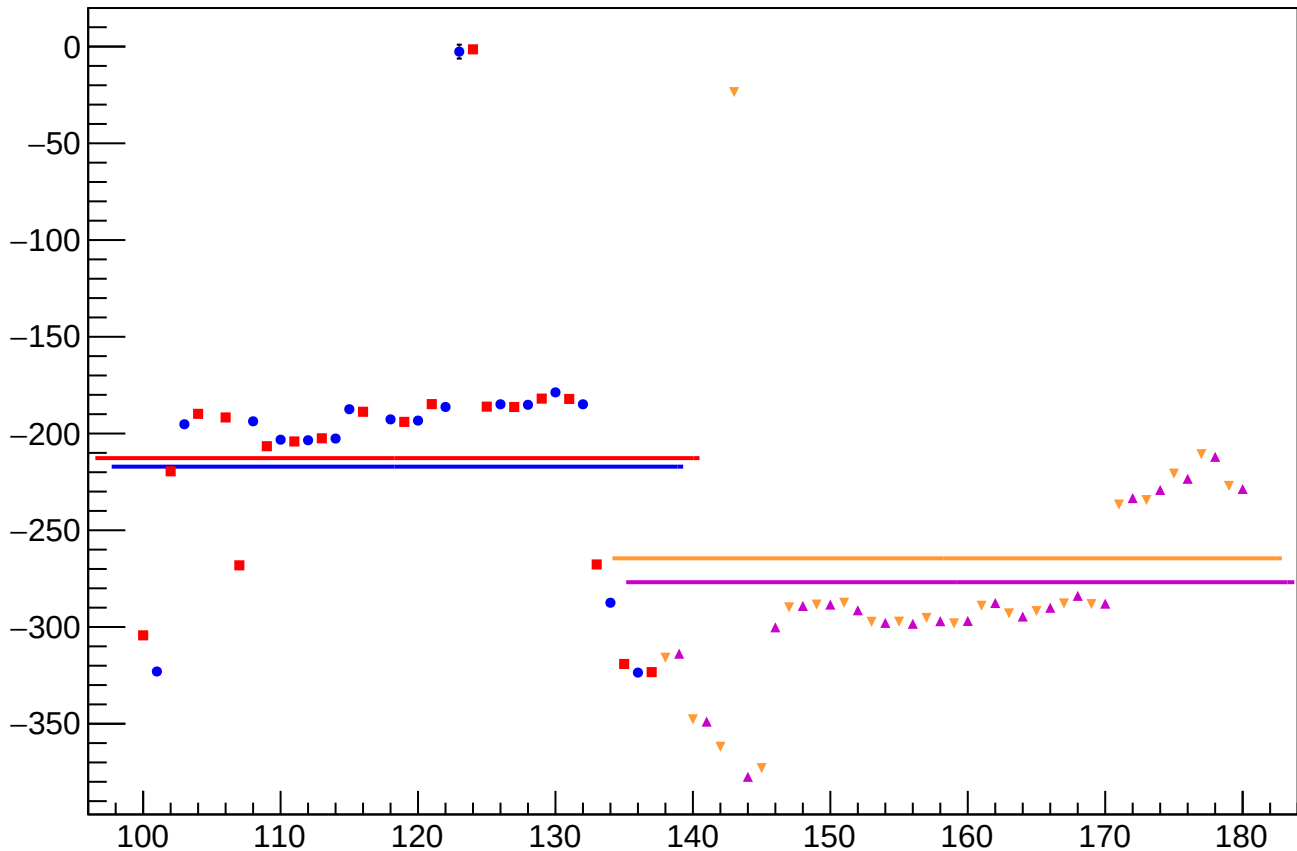
Left In: 142.073 $\pm$ 1.918 χ^2 /NDF: 305.0/20

+ sign 126.387 $\pm$ 1.439 χ^2 /NDF: 1404.7/38

All: 127.183 $\pm$ 1.020 χ^2 /NDF: 2405.4/78

- sign 127.987 $\pm$ 1.447 χ^2 /NDF: 1000.0/39

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -264.513 ± 0.091 $\chi^2/\text{NDF}: 623592.8/21$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

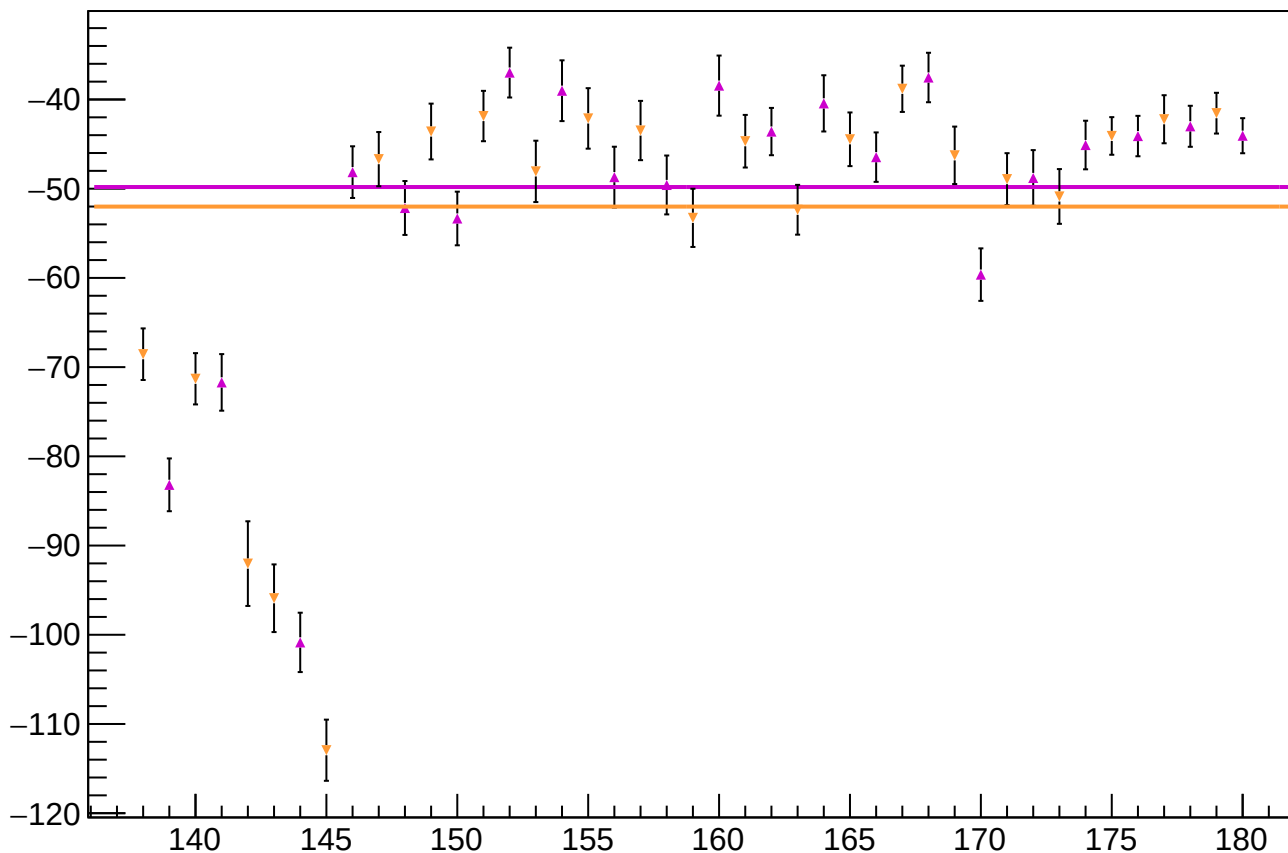
Left In: -276.845 ± 0.090 $\chi^2/\text{NDF}: 194715.2/20$

+ sign -250.037 ± 0.075 $\chi^2/\text{NDF}: 853787.0/38$

All: -253.172 ± 0.053 $\chi^2/\text{NDF}: 1331922.9/78$

- sign -256.177 ± 0.074 $\chi^2/\text{NDF}: 474757.2/39$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -52.006 $\pm$ 0.631 χ^2 /NDF: 729.8/21

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

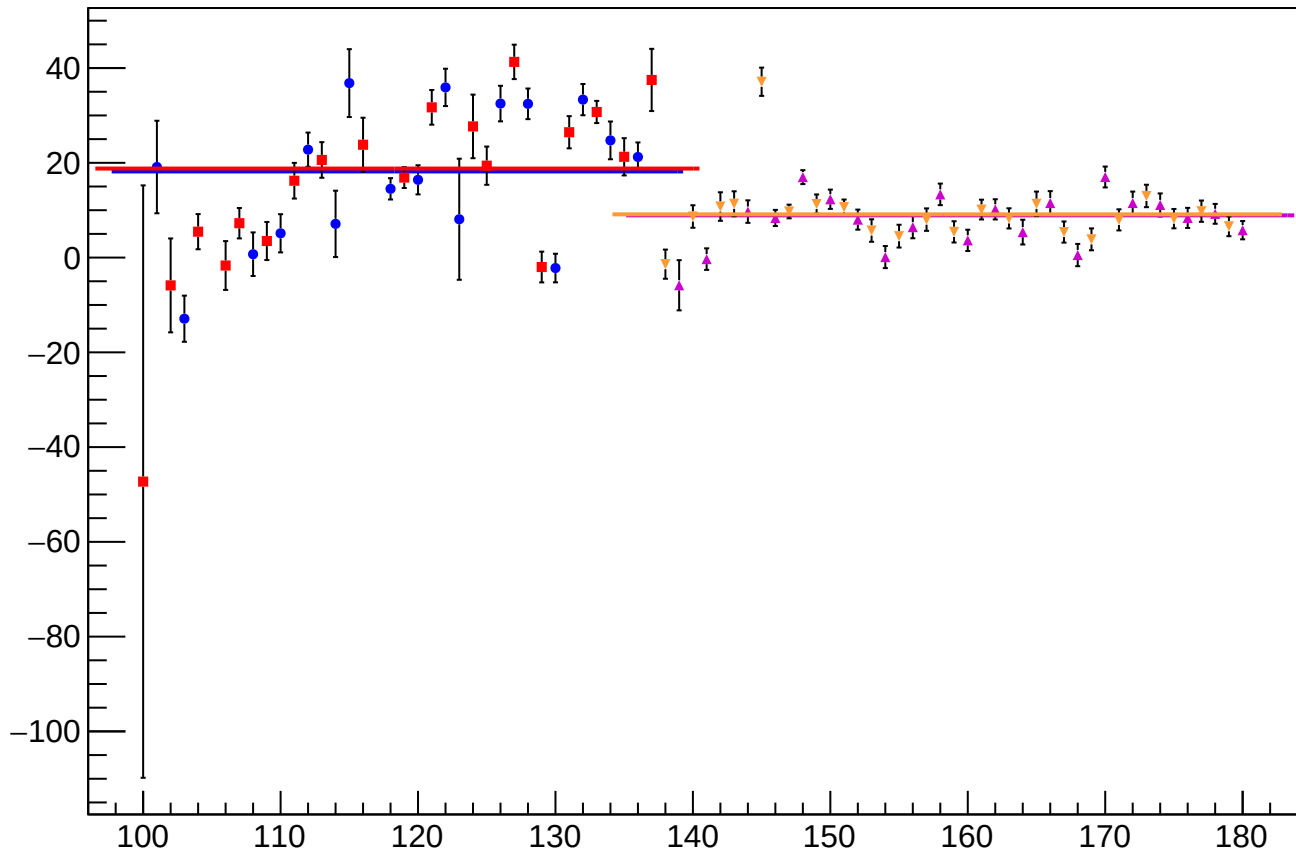
Left In: -49.812 $\pm$ 0.617 χ^2 /NDF: 528.7/20

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

All: -50.884 $\pm$ 0.441 χ^2 /NDF: 1264.6/42

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

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 $\pm$ 0.917 χ^2 /NDF: 204.9/16

Left Out: 9.123 $\pm$ 0.470 χ^2 /NDF: 125.6/21

Right Out: 18.791 $\pm$ 0.863 χ^2 /NDF: 198.8/18

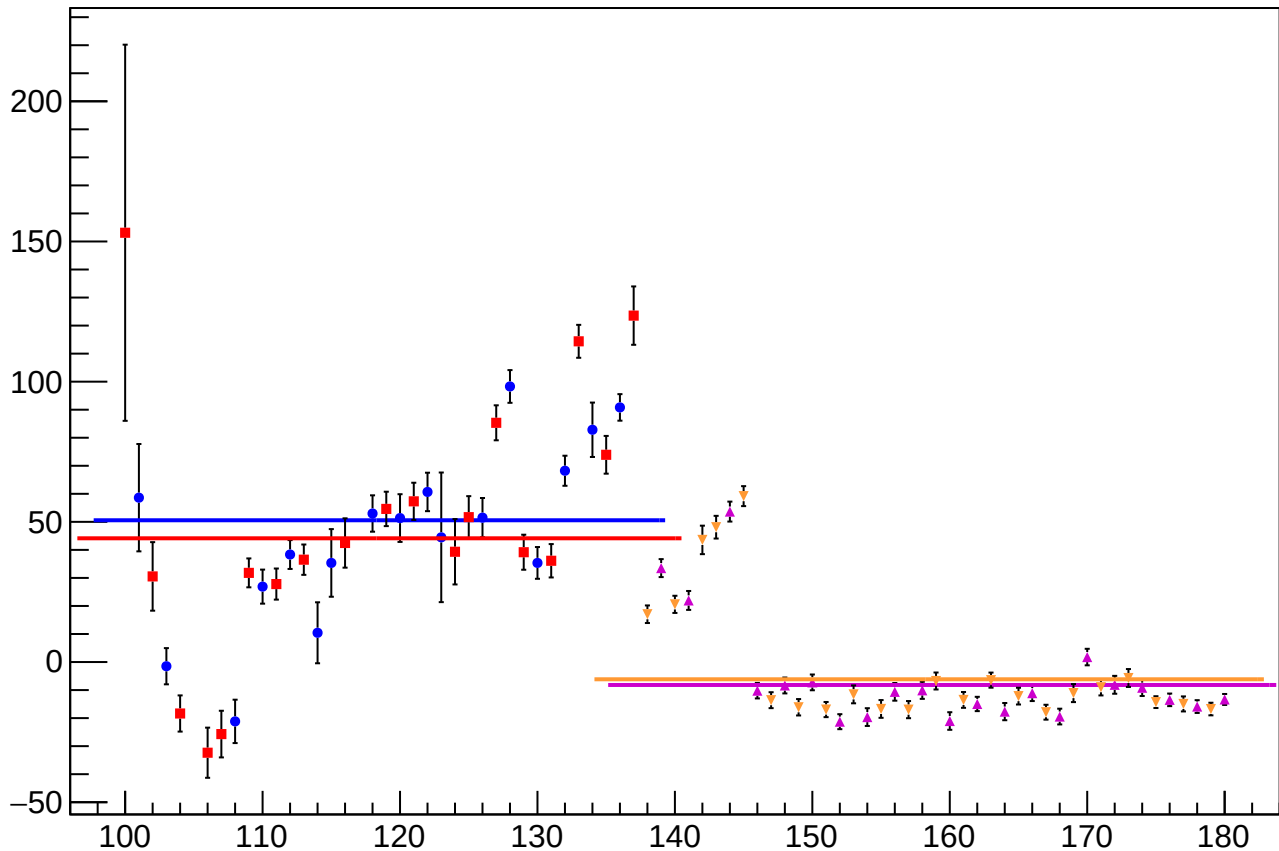
Left In: 8.911 $\pm$ 0.477 χ^2 /NDF: 116.5/20

+ sign 11.009 $\pm$ 0.418 χ^2 /NDF: 407.8/38

All: 11.115 $\pm$ 0.295 χ^2 /NDF: 823.6/78

- sign 11.221 $\pm$ 0.417 χ^2 /NDF: 415.7/39

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 ± 1.678 $\chi^2/\text{NDF}: 357.9/16$

Left Out: -6.153 ± 0.624 $\chi^2/\text{NDF}: 885.6/21$

Right Out: 44.132 ± 1.603 $\chi^2/\text{NDF}: 532.5/18$

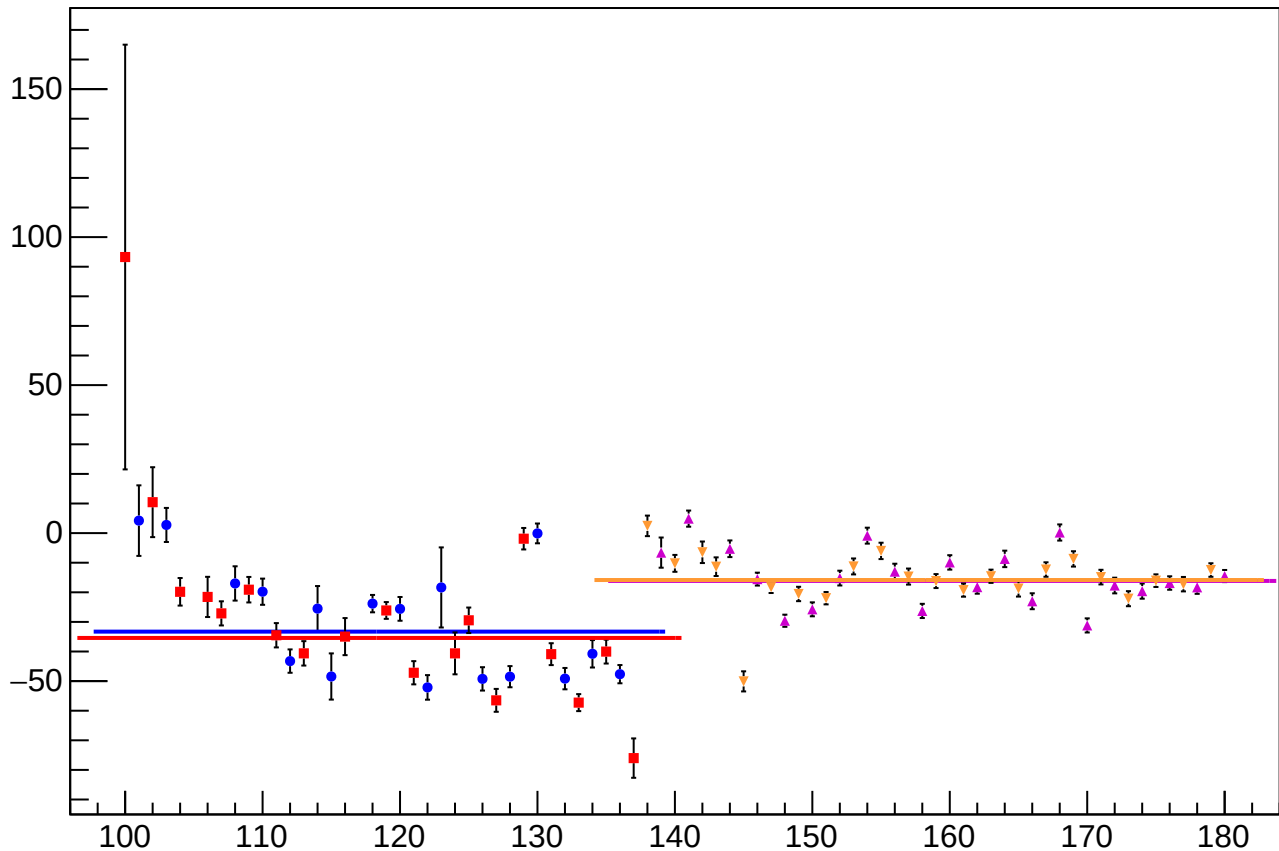
Left In: -8.181 ± 0.610 $\chi^2/\text{NDF}: 675.8/20$

+ sign 0.737 ± 0.585 $\chi^2/\text{NDF}: 2247.8/38$

All: -0.441 ± 0.408 $\chi^2/\text{NDF}: 4394.9/78$

- sign -1.561 ± 0.570 $\chi^2/\text{NDF}: 2139.2/39$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -15.851 ± 0.538 χ^2/NDF : 193.9/21

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

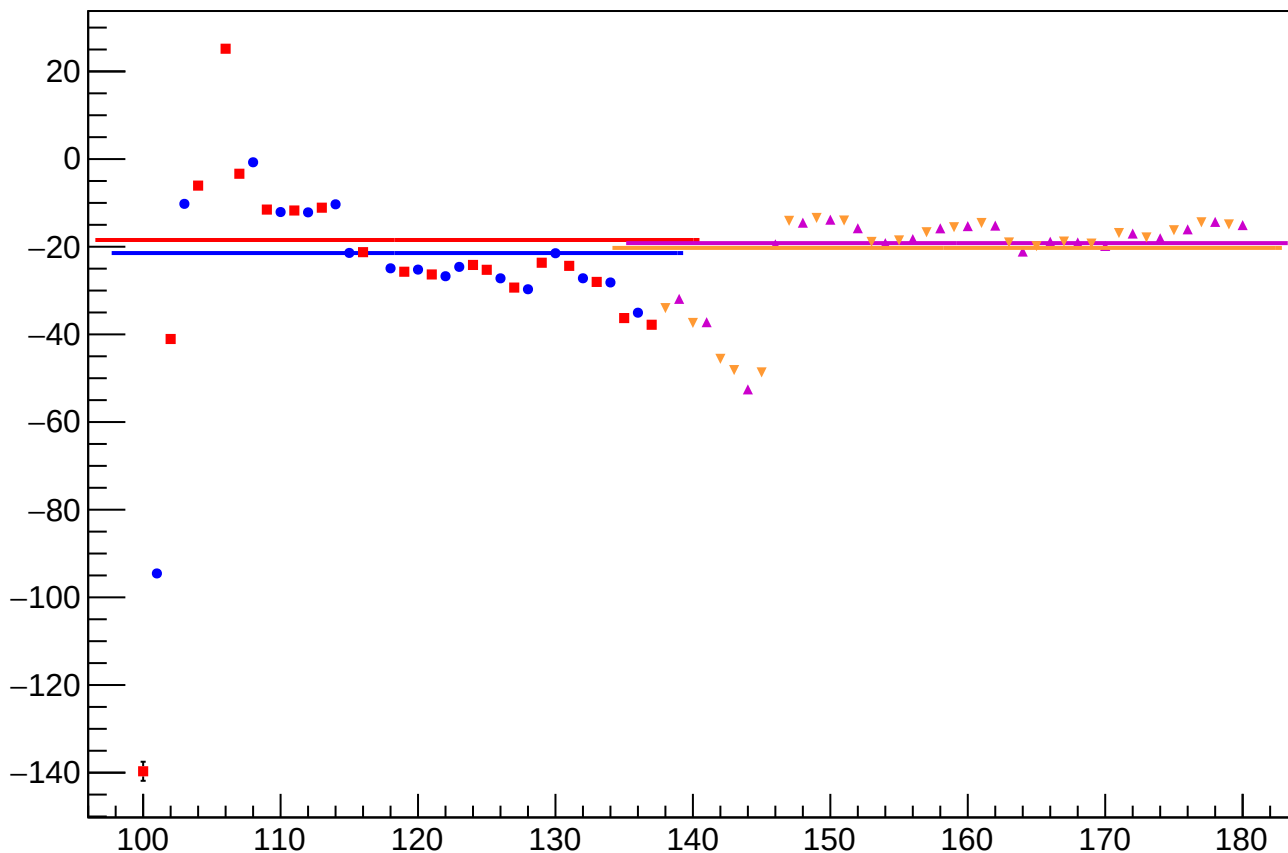
Left In: -16.158 ± 0.541 χ^2/NDF : 289.7/20

+ sign -19.511 ± 0.478 χ^2/NDF : 704.4/38

All: -20.047 ± 0.337 χ^2/NDF : 1577.2/78

- sign -20.575 ± 0.475 χ^2/NDF : 870.3/39

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 χ^2/NDF : 48968.5/16

Left Out: -20.269 ± 0.025 χ^2/NDF : 138646.6/21

Right Out: -18.463 ± 0.057 χ^2/NDF : 80470.6/18

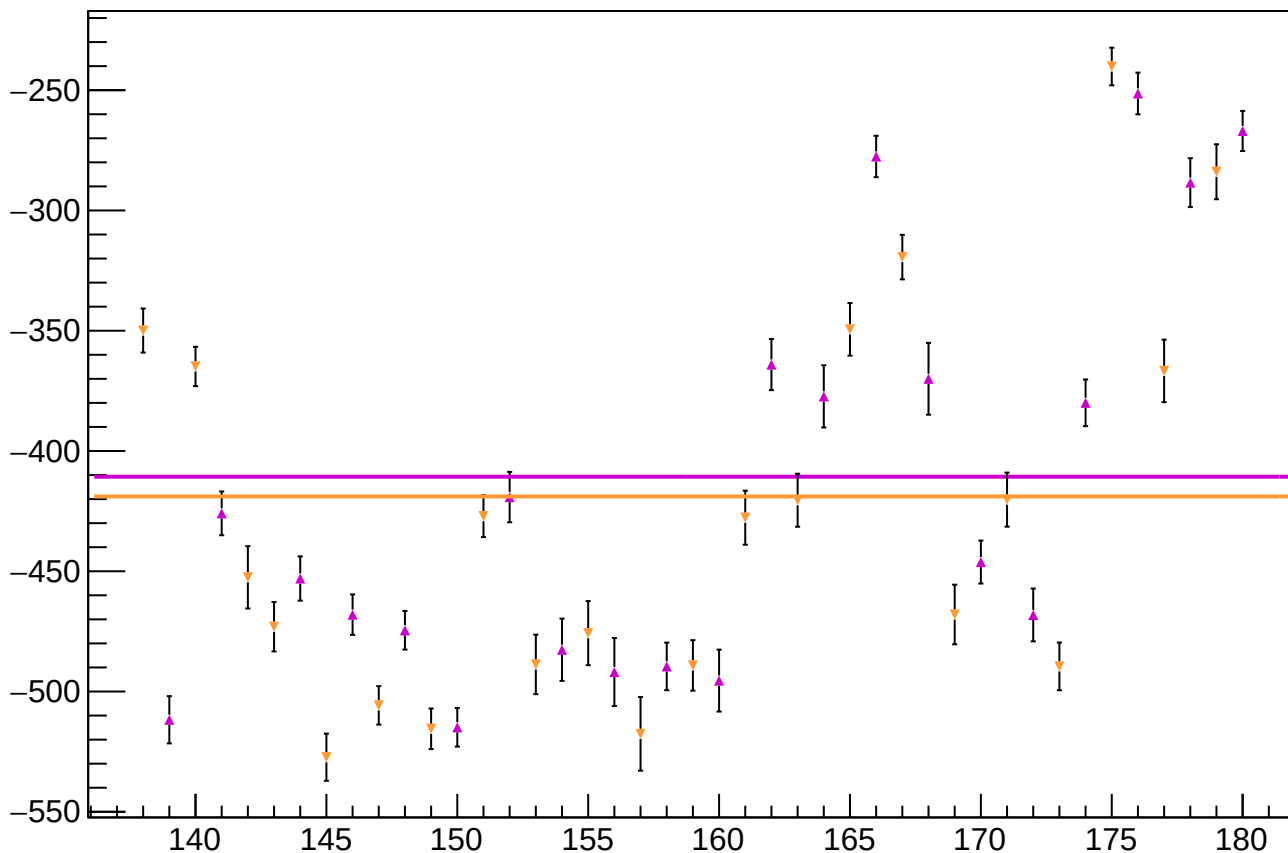
Left In: -19.175 ± 0.025 χ^2/NDF : 90304.5/20

+ sign -20.446 ± 0.023 χ^2/NDF : 187951.9/38

All: -19.746 ± 0.016 χ^2/NDF : 360702.2/78

- sign -19.065 ± 0.023 χ^2/NDF : 170905.2/39

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -418.906+/-2.173 χ^2/NDF :1544.0/21

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

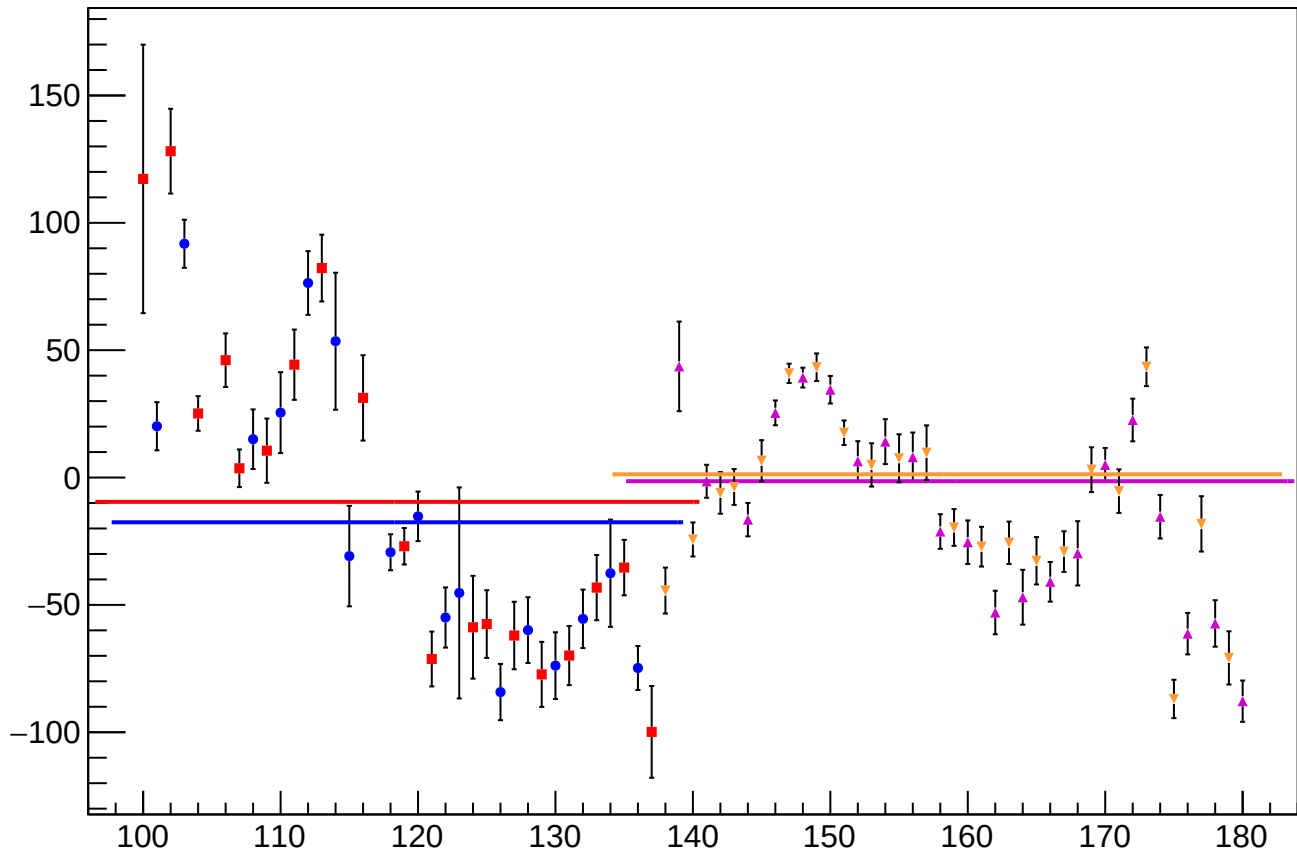
Left In: -410.694+/-2.144 χ^2/NDF :1687.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -414.745+/-1.526 χ^2/NDF : 3238.7/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 1.279 ± 1.538 χ^2/NDF : 504.4/21

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

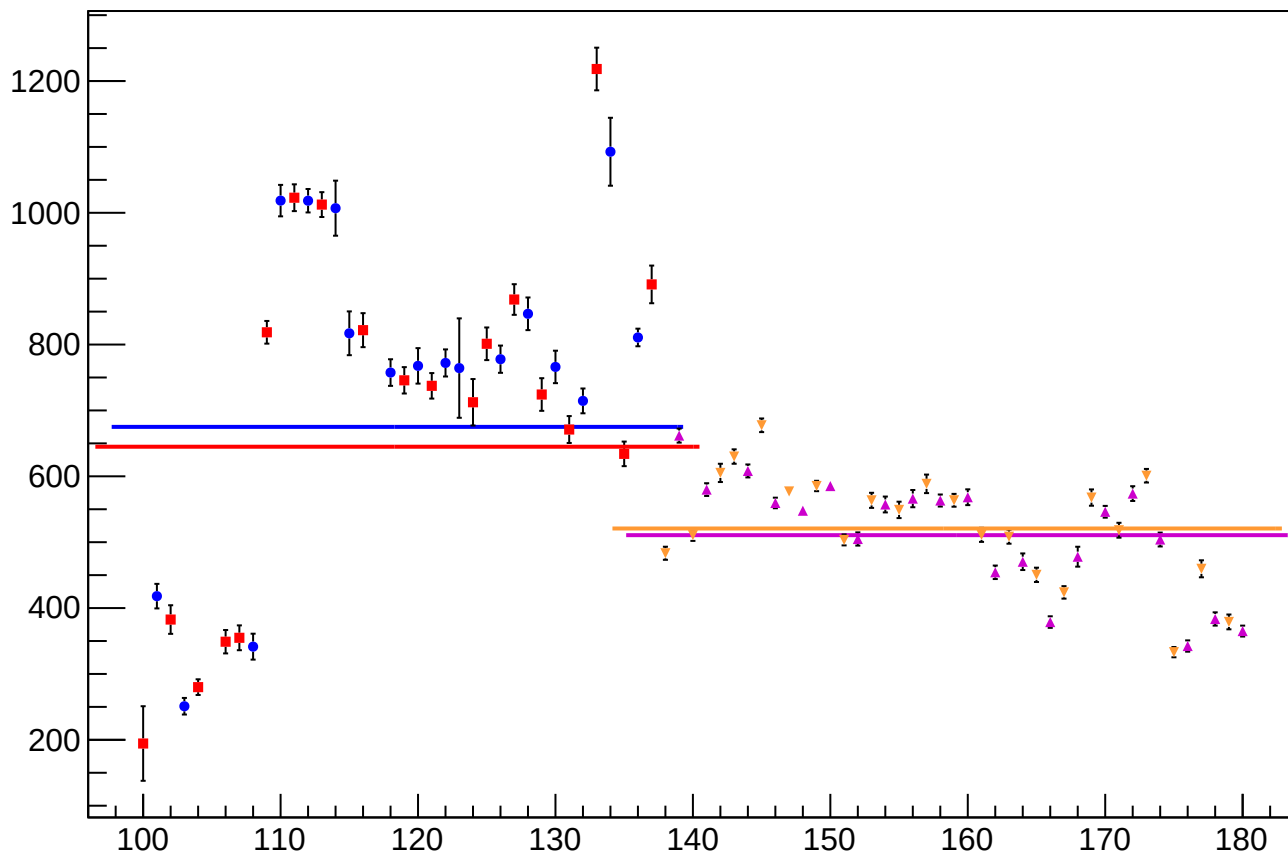
Left In: -1.444 ± 1.570 χ^2/NDF : 519.1/20

+ sign -3.041 ± 1.350 χ^2/NDF : 902.6/38

All: -3.321 ± 0.953 χ^2/NDF : 1799.1/78

- sign -3.599 ± 1.345 χ^2/NDF : 896.4/39

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 520.792 $\pm$ 2.154 χ^2 /NDF:1553.2/21

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

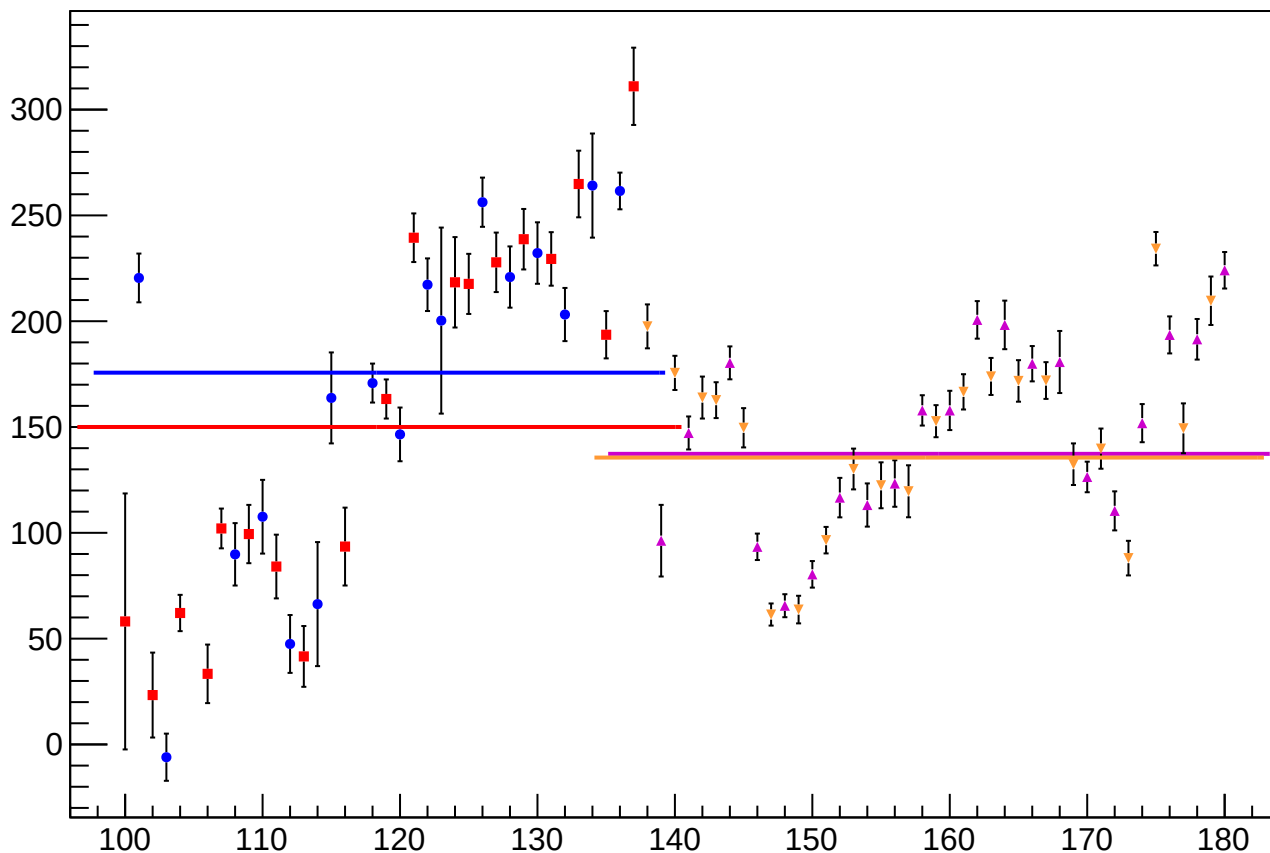
Left In: 510.676 $\pm$ 2.117 χ^2 /NDF:1774.1/20

+ sign 544.393 $\pm$ 1.982 χ^2 /NDF: 4922.4/38

All: 538.471 $\pm$ 1.384 χ^2 /NDF: 10499.8/78

- sign 532.831 $\pm$ 1.934 χ^2 /NDF: 5560.0/39

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 135.563 $\pm$ 1.803 χ^2 /NDF: 748.7/21

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

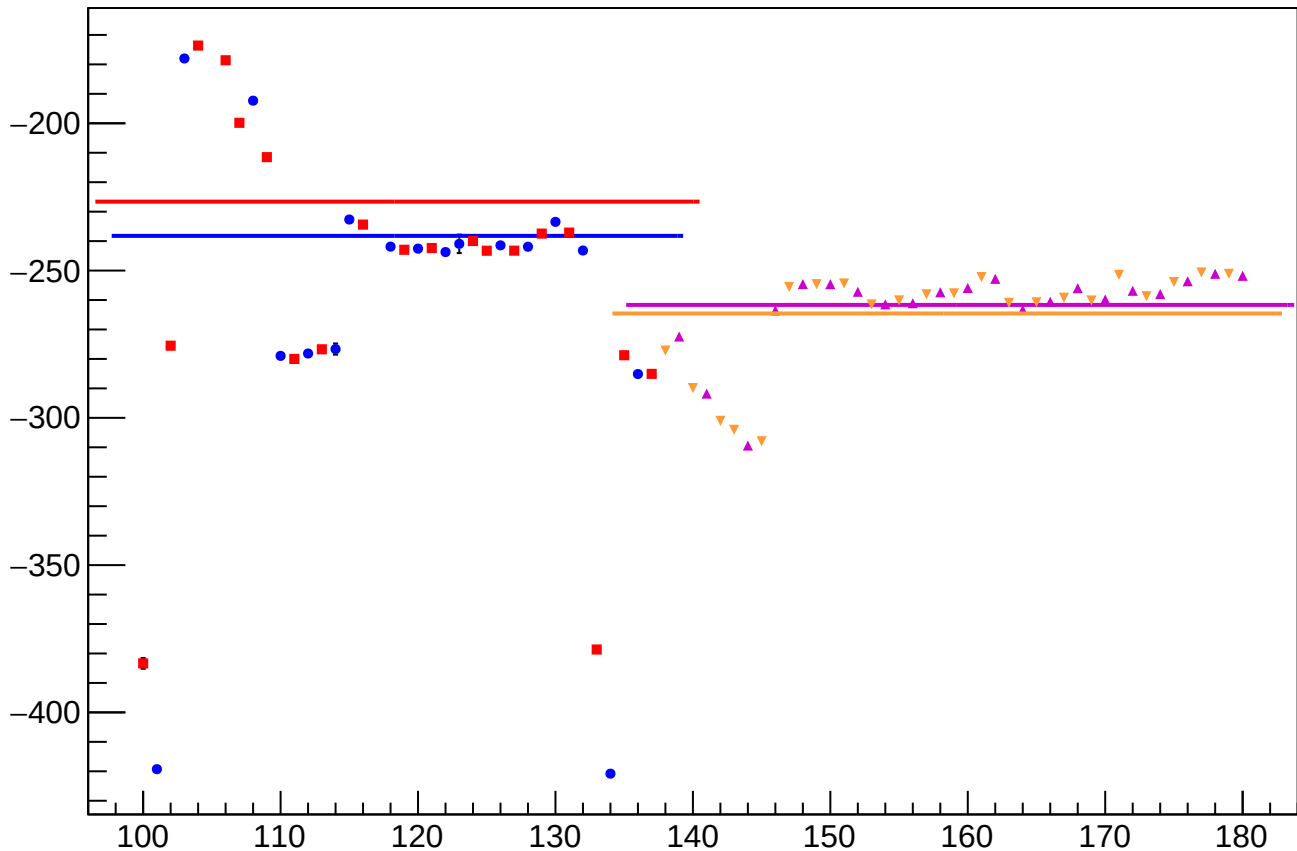
Left In: 137.323 $\pm$ 1.821 χ^2 /NDF: 671.0/20

+ sign 145.058 $\pm$ 1.575 χ^2 /NDF: 1503.8/38

All: 142.846 $\pm$ 1.109 χ^2 /NDF: 2885.3/78

- sign 140.671 $\pm$ 1.562 χ^2 /NDF: 1377.6/39

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -264.564 ± 0.087 χ^2/NDF : 37011.0/21

Right Out: -226.597 ± 0.151 χ^2/NDF : 102562.3/18

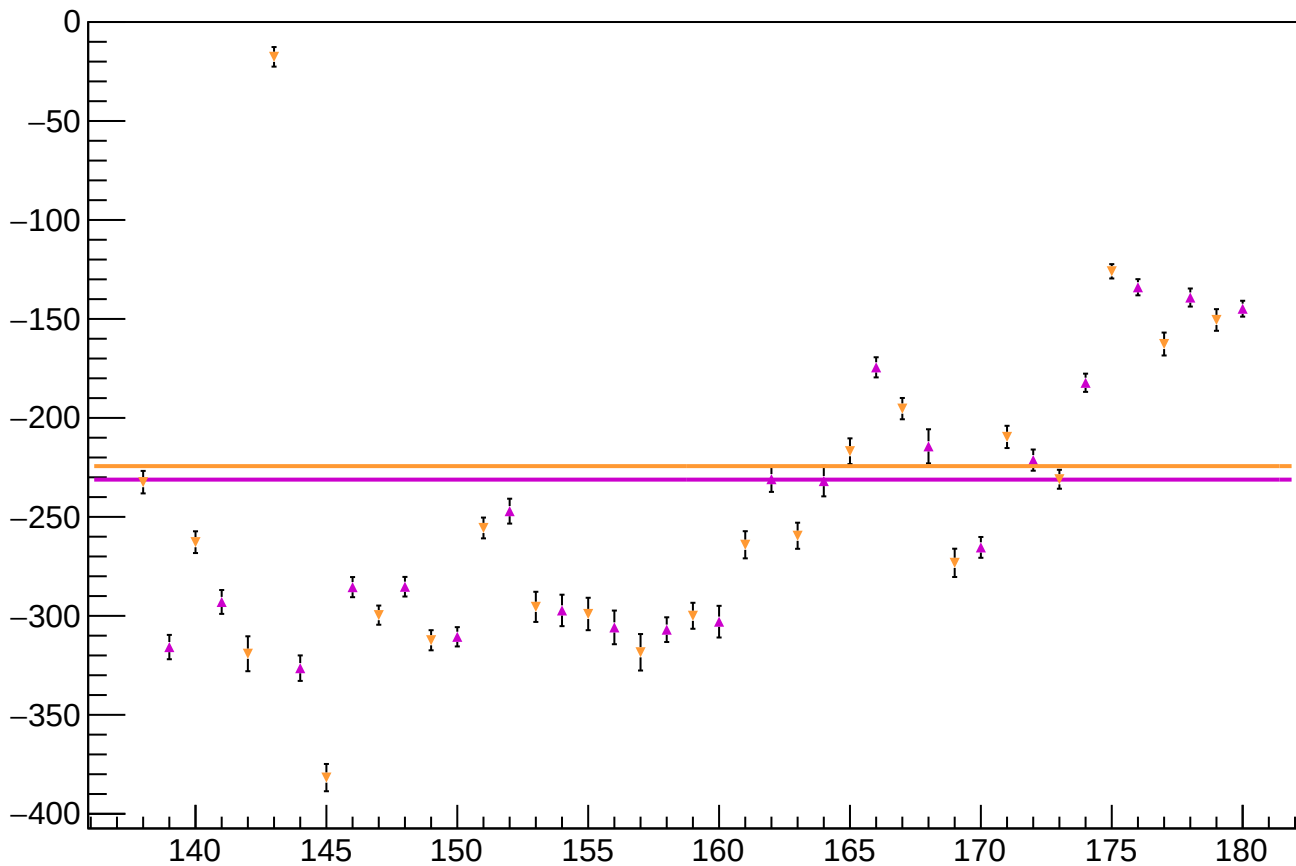
Left In: -261.658 ± 0.086 χ^2/NDF : 22890.7/20

+ sign -258.577 ± 0.076 χ^2/NDF : 224966.0/38

All: -255.787 ± 0.053 χ^2/NDF : 393699.4/78

- sign -253.136 ± 0.075 χ^2/NDF : 166138.9/39

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -224.356+/-1.230 χ^2/NDF : 4601.1/21

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

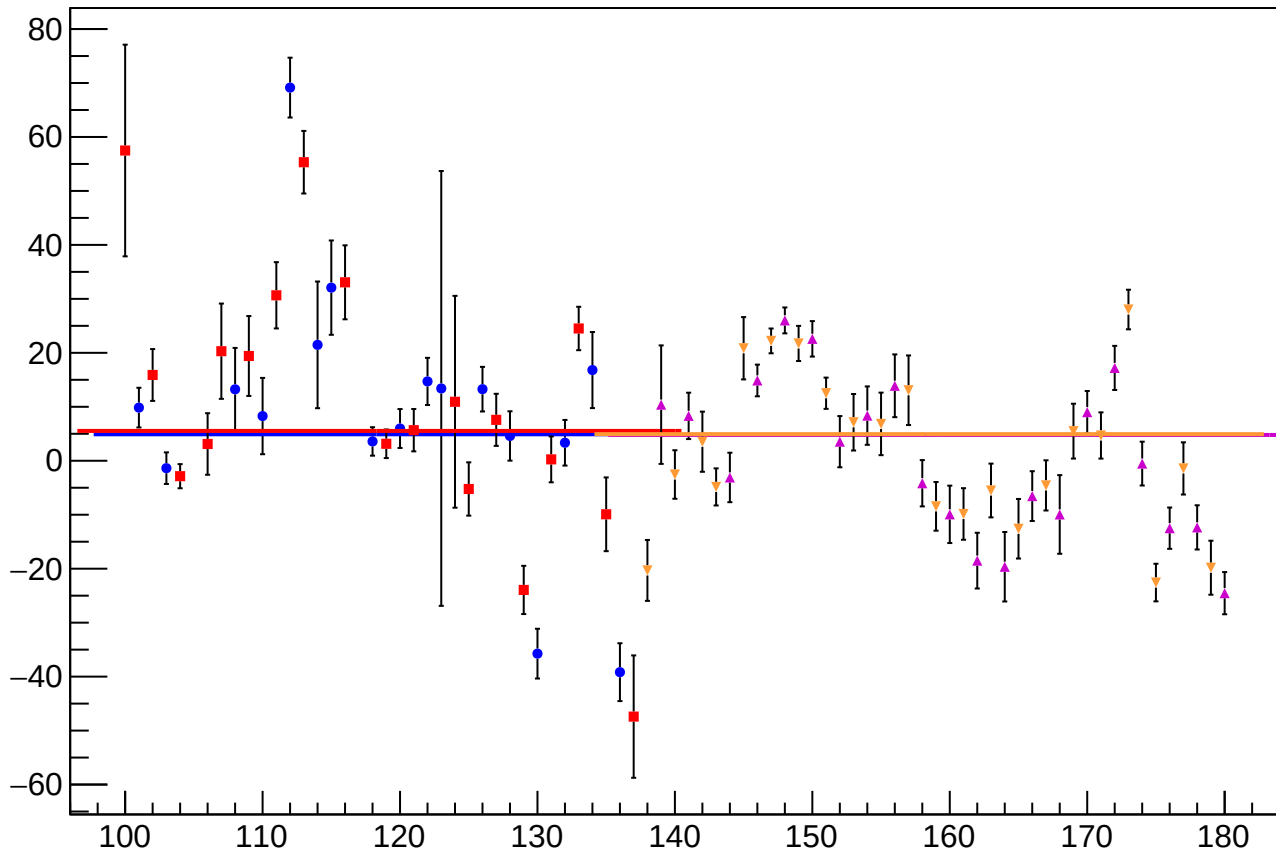
Left In: -231.175+/-1.215 χ^2/NDF : 3114.4/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -227.808+/-0.865 χ^2/NDF : 7731.1/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 4.935 ± 0.889 χ^2/NDF : 295.7/21

Right Out: 5.530 ± 1.069 χ^2/NDF : 238.9/18

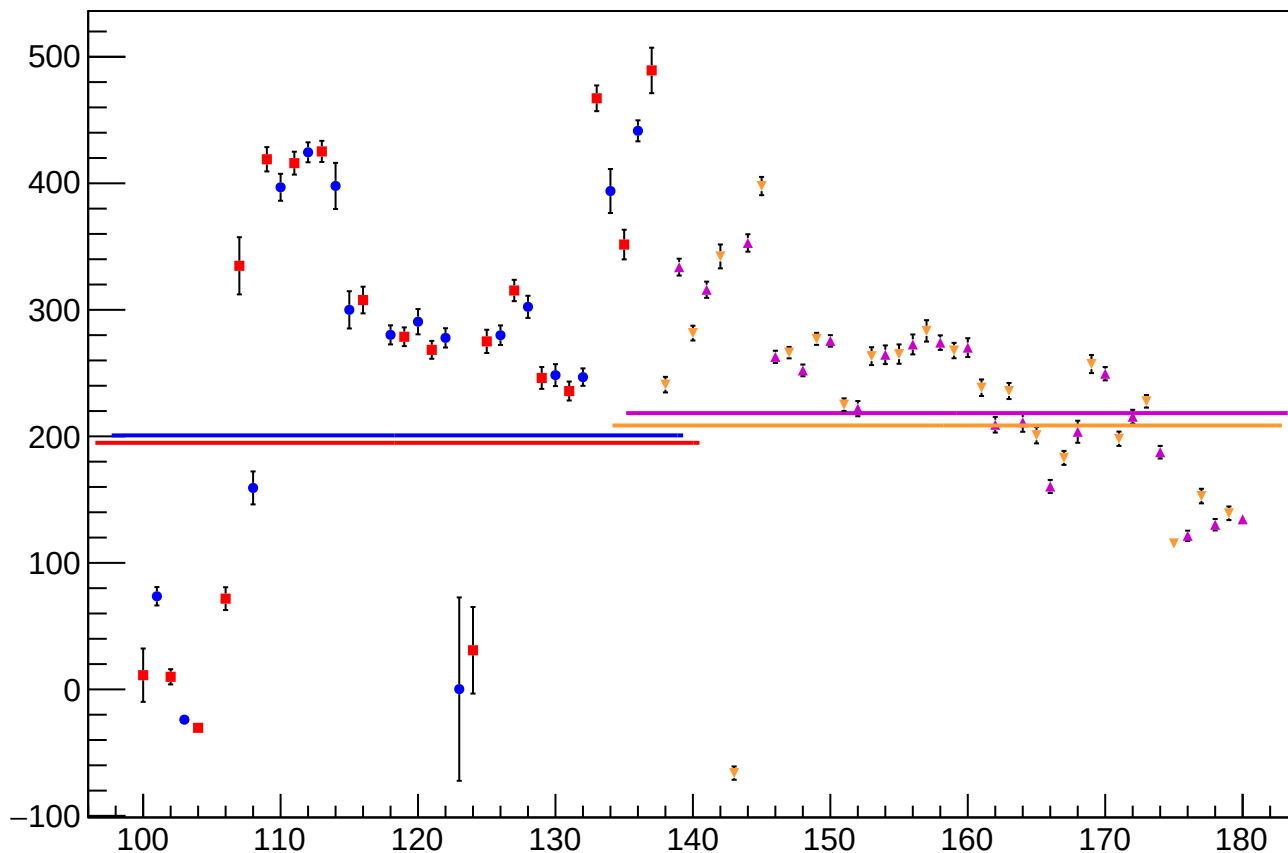
Left In: 4.785 ± 0.914 χ^2/NDF : 289.3/20

+ sign 4.923 ± 0.693 χ^2/NDF : 607.4/38

All: 5.011 ± 0.490 χ^2/NDF : 1136.0/78

- sign 5.099 ± 0.695 χ^2/NDF : 528.5/39

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 208.602 $\pm$ 1.222 χ^2 /NDF: 5496.6/21

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

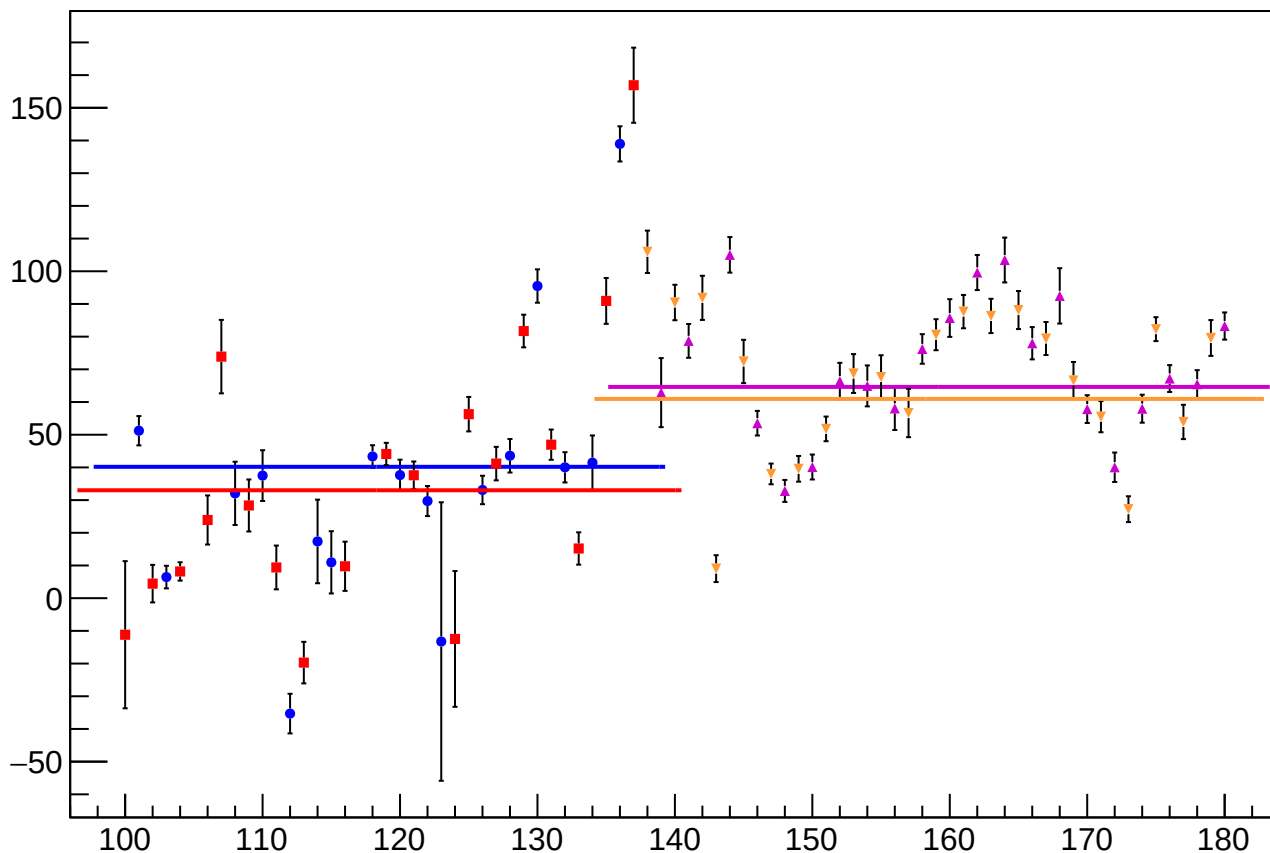
Left In: 218.377 $\pm$ 1.203 χ^2 /NDF: 3035.5/20

+ sign 206.449 $\pm$ 1.040 χ^2 /NDF: 12240.9/38

All: 209.166 $\pm$ 0.728 χ^2 /NDF: 23644.0/78

- sign 211.778 $\pm$ 1.020 χ^2 /NDF: 11389.8/39

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 χ^2/NDF : 734.6/16

Left Out: 60.949 ± 1.033 χ^2/NDF : 578.3/21

Right Out: 33.006 ± 1.250 χ^2/NDF : 552.7/18

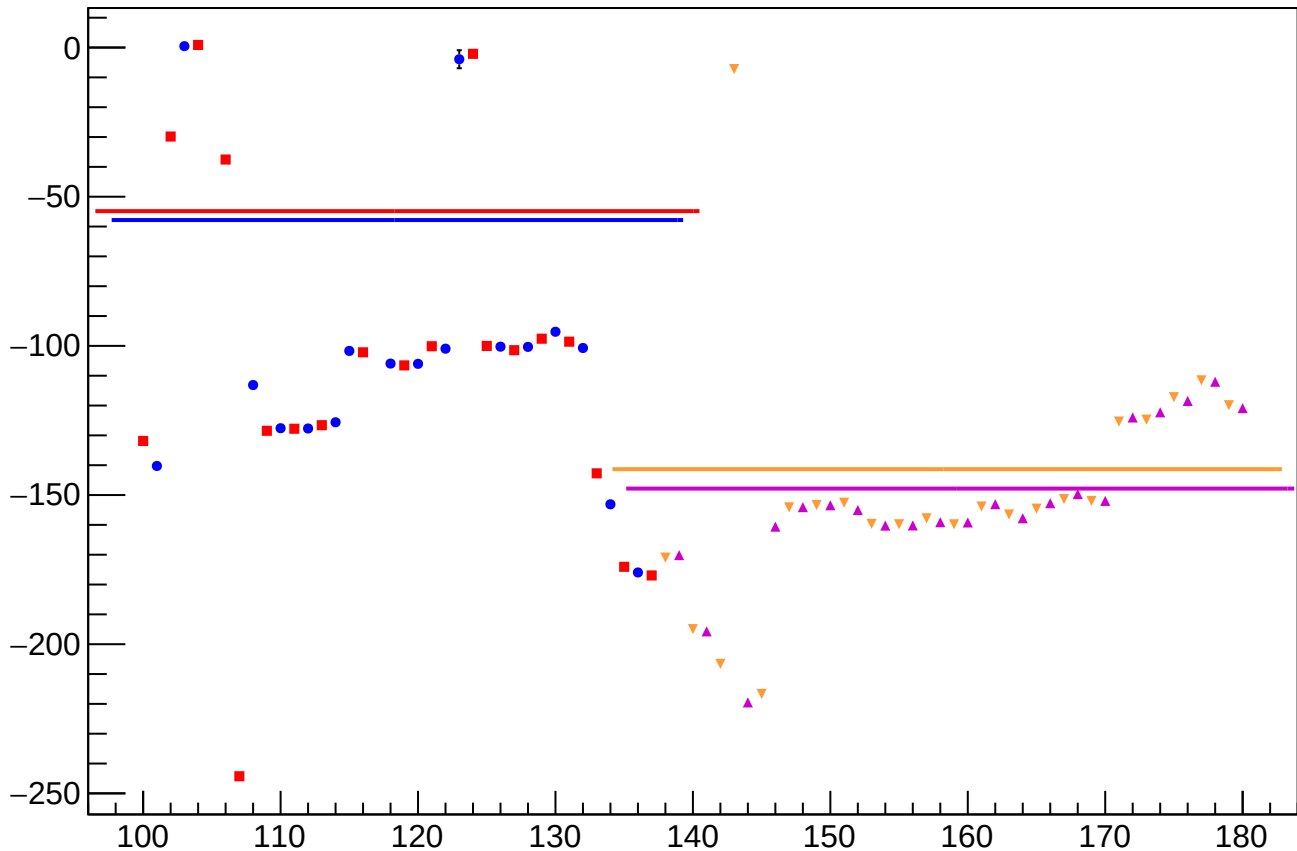
Left In: 64.626 ± 1.049 χ^2/NDF : 371.3/20

+ sign 52.785 ± 0.805 χ^2/NDF : 1471.8/38

All: 52.171 ± 0.569 χ^2/NDF : 2772.1/78

- sign 51.558 ± 0.804 χ^2/NDF : 1299.2/39

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 ± 0.062 χ^2/NDF : 1101296.2/16

Left Out: -141.325 ± 0.050 χ^2/NDF : 662481.2/21

Right Out: -54.833 ± 0.060 χ^2/NDF : 1000741.7/18

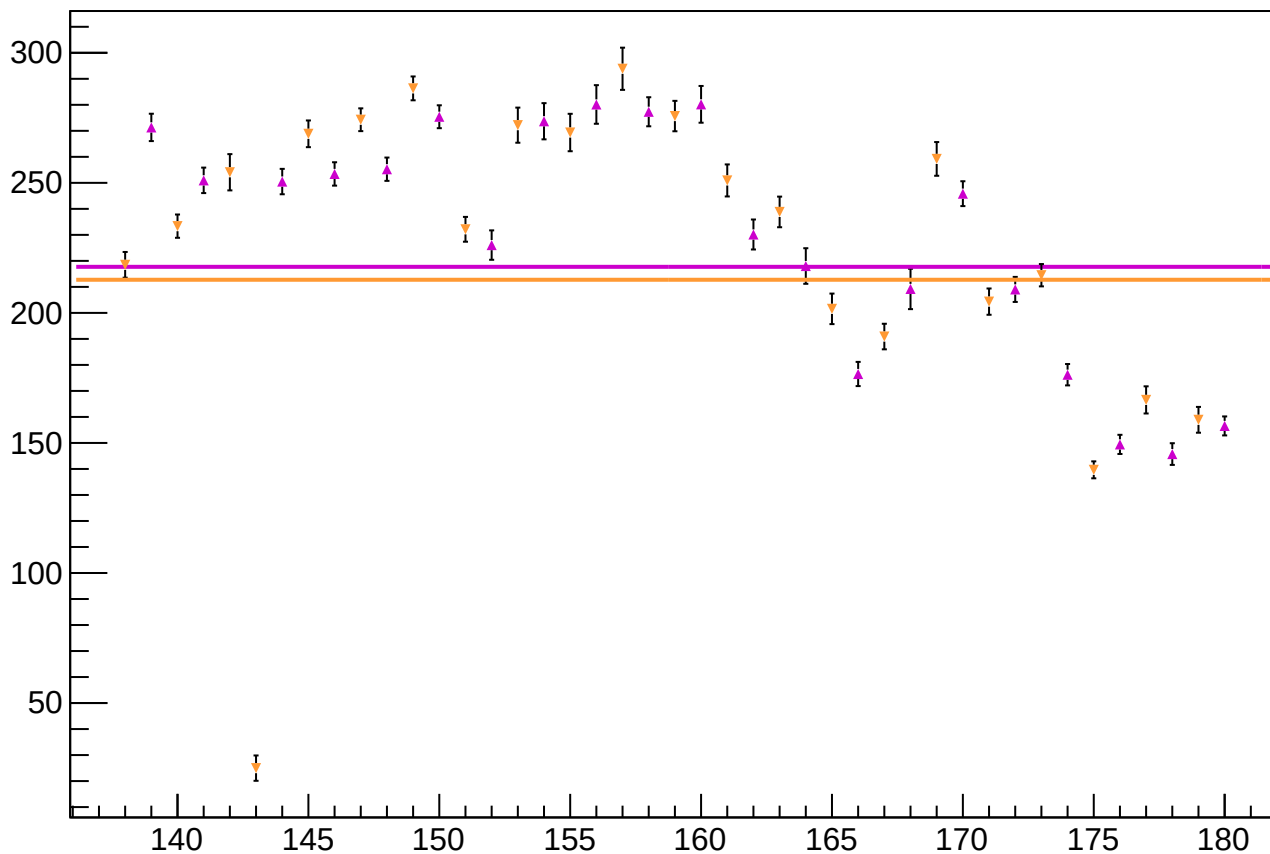
Left In: -147.836 ± 0.049 χ^2/NDF : 224852.3/20

+ sign -108.667 ± 0.039 χ^2/NDF : 2875904.9/38

All: -109.728 ± 0.027 χ^2/NDF : 5536537.9/78

- sign -110.755 ± 0.038 χ^2/NDF : 2659150.8/39

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 212.741 $\pm$ 1.094 χ^2 /NDF:3325.2/21

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

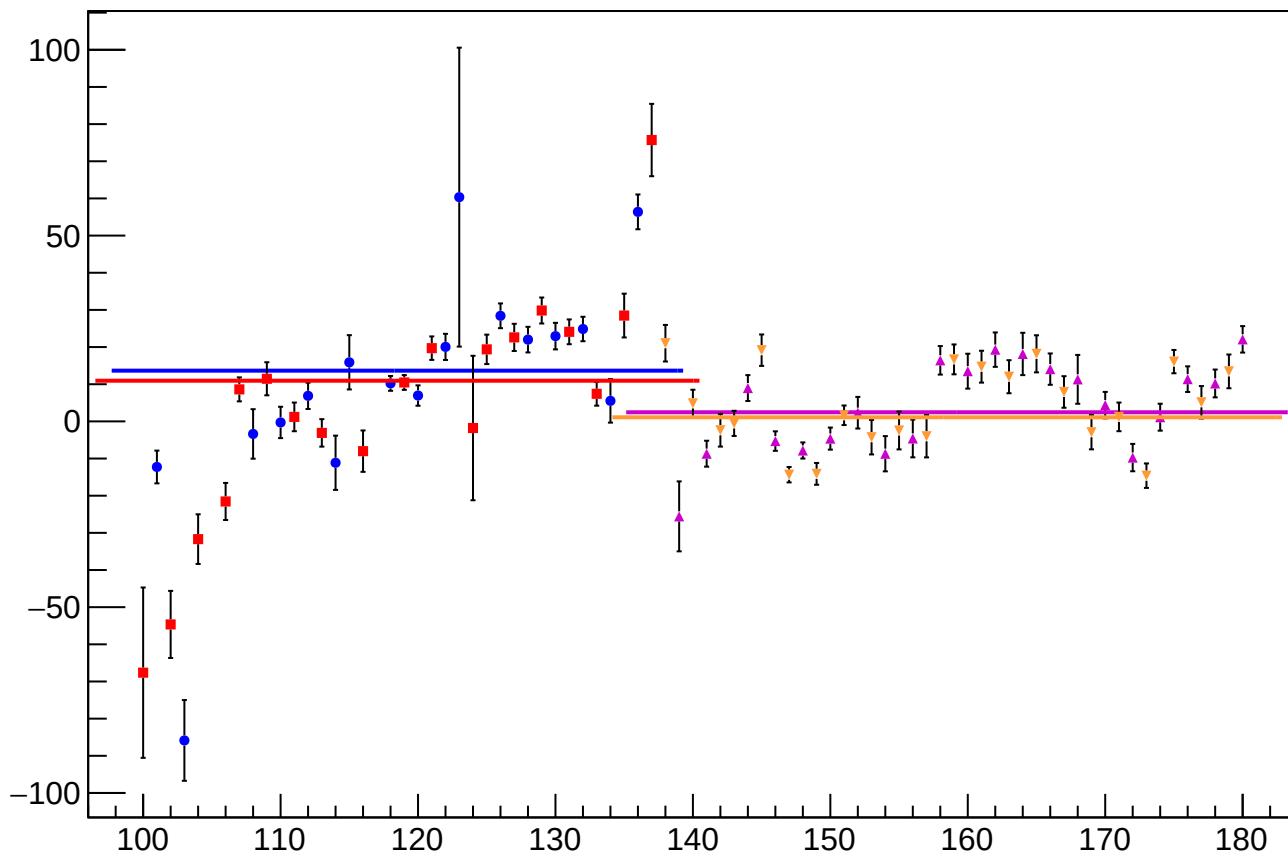
Left In: 217.715 $\pm$ 1.078 χ^2 /NDF:1976.8/20

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

All: 215.264 $\pm$ 0.768 χ^2 /NDF: 5312.5/42

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

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 ± 0.936 χ^2/NDF : 294.0/16

Left Out: 1.100 ± 0.793 χ^2/NDF : 221.5/21

Right Out: 10.944 ± 0.913 χ^2/NDF : 302.5/18

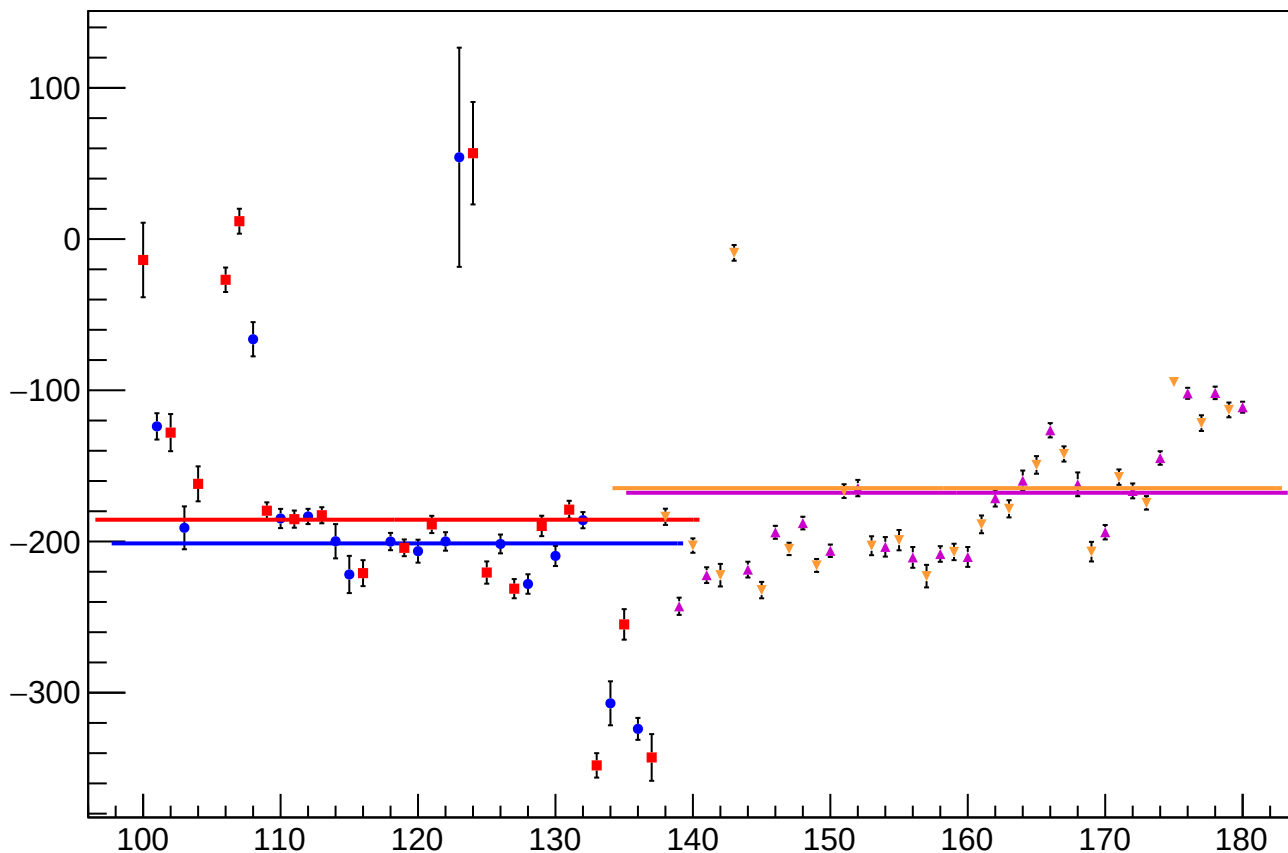
Left In: 2.451 ± 0.811 χ^2/NDF : 168.7/20

+ sign 6.344 ± 0.605 χ^2/NDF : 620.2/38

All: 6.271 ± 0.428 χ^2/NDF : 1139.8/78

- sign 6.199 ± 0.607 χ^2/NDF : 519.6/39

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -164.716 ± 1.088 χ^2/NDF : 2353.7/21

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

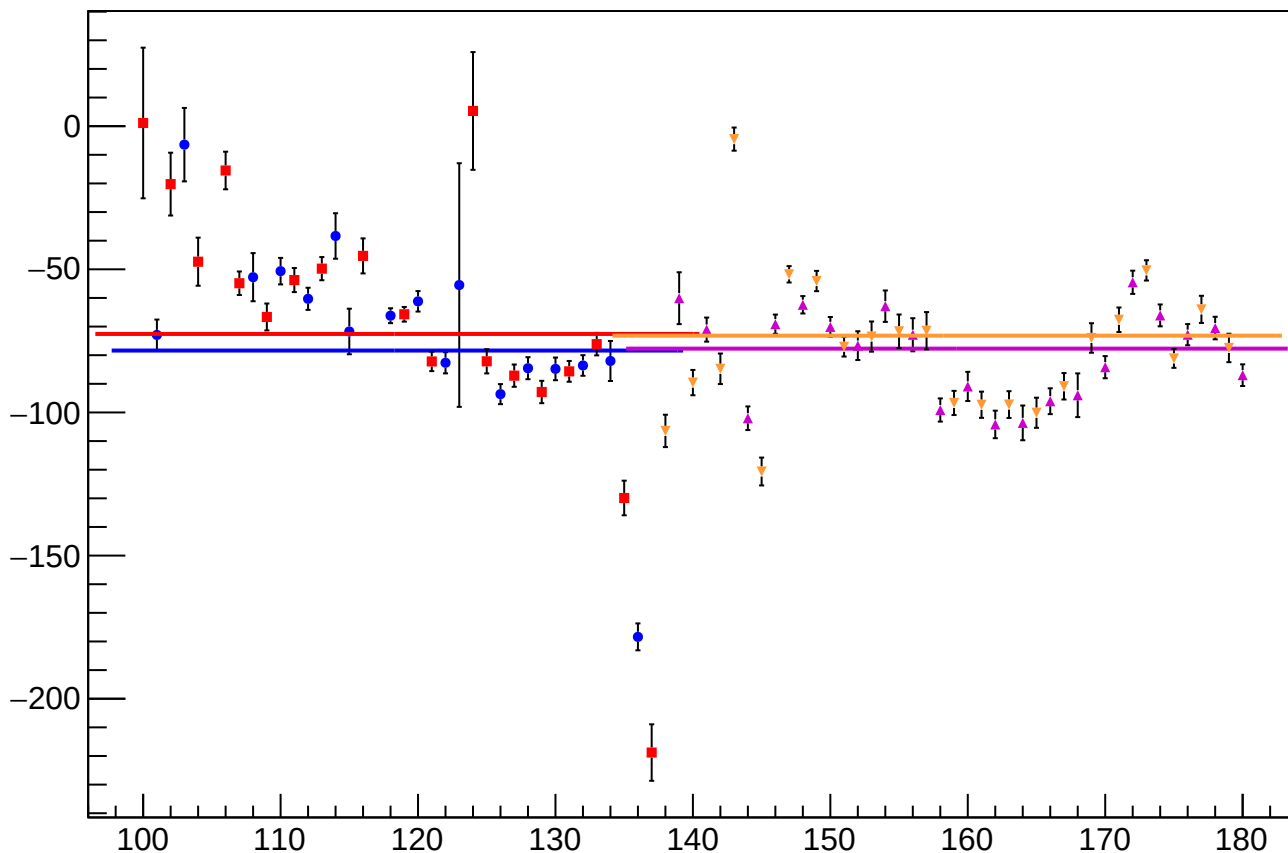
Left In: -167.772 ± 1.069 χ^2/NDF : 1655.6/20

+ sign -174.533 ± 0.930 χ^2/NDF : 3280.2/38

All: -173.656 ± 0.649 χ^2/NDF : 6762.4/78

- sign -172.826 ± 0.905 χ^2/NDF : 3480.4/39

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -73.180 ± 0.921 χ^2/NDF : 702.4/21

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

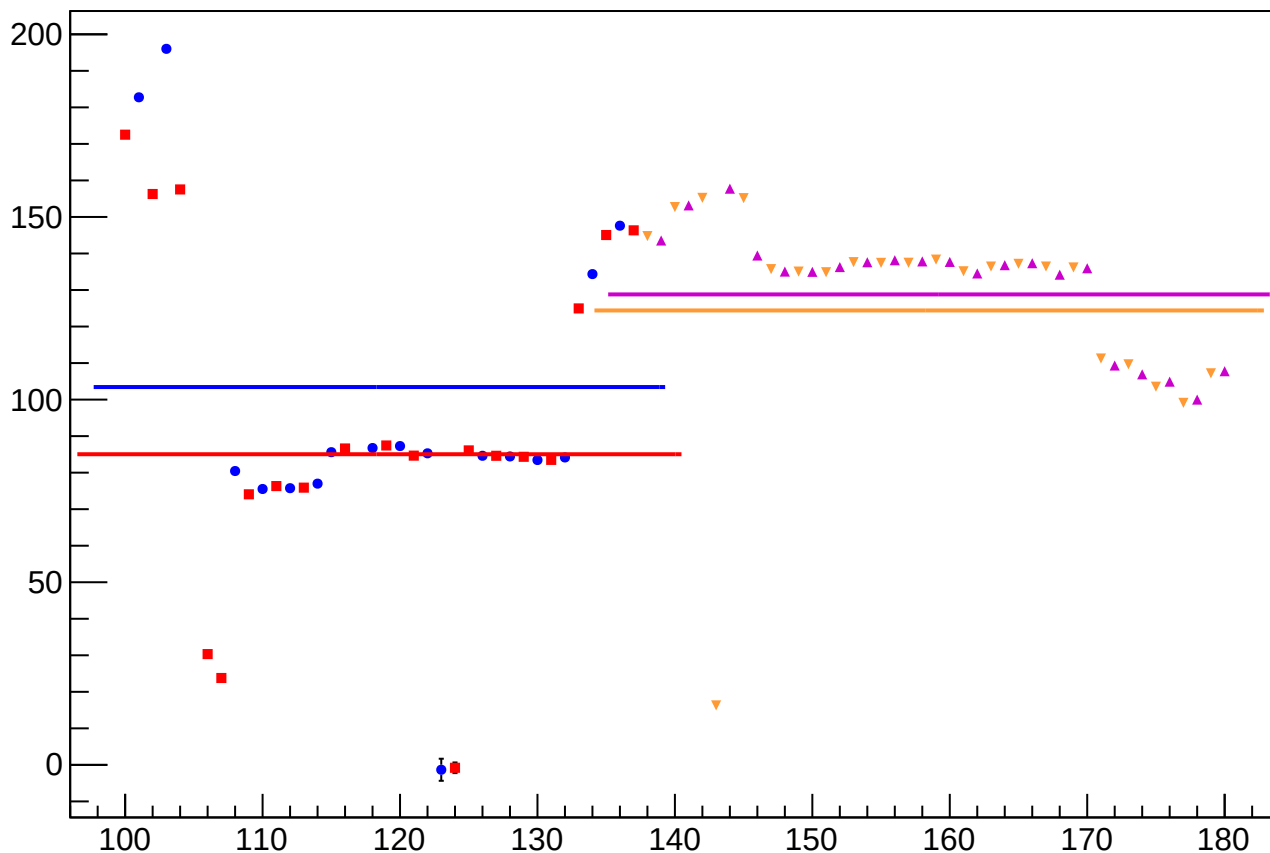
Left In: -77.707 ± 0.932 χ^2/NDF : 246.0/20

+ sign -75.365 ± 0.701 χ^2/NDF : 1367.1/38

All: -75.408 ± 0.495 χ^2/NDF : 2232.3/78

- sign -75.450 ± 0.698 χ^2/NDF : 865.2/39

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2/NDF : 272785.6/16

Left Out: 124.404 $\pm$ 0.044 χ^2/NDF : 419568.1/21

Right Out: 85.043 $\pm$ 0.064 χ^2/NDF : 422343.0/18

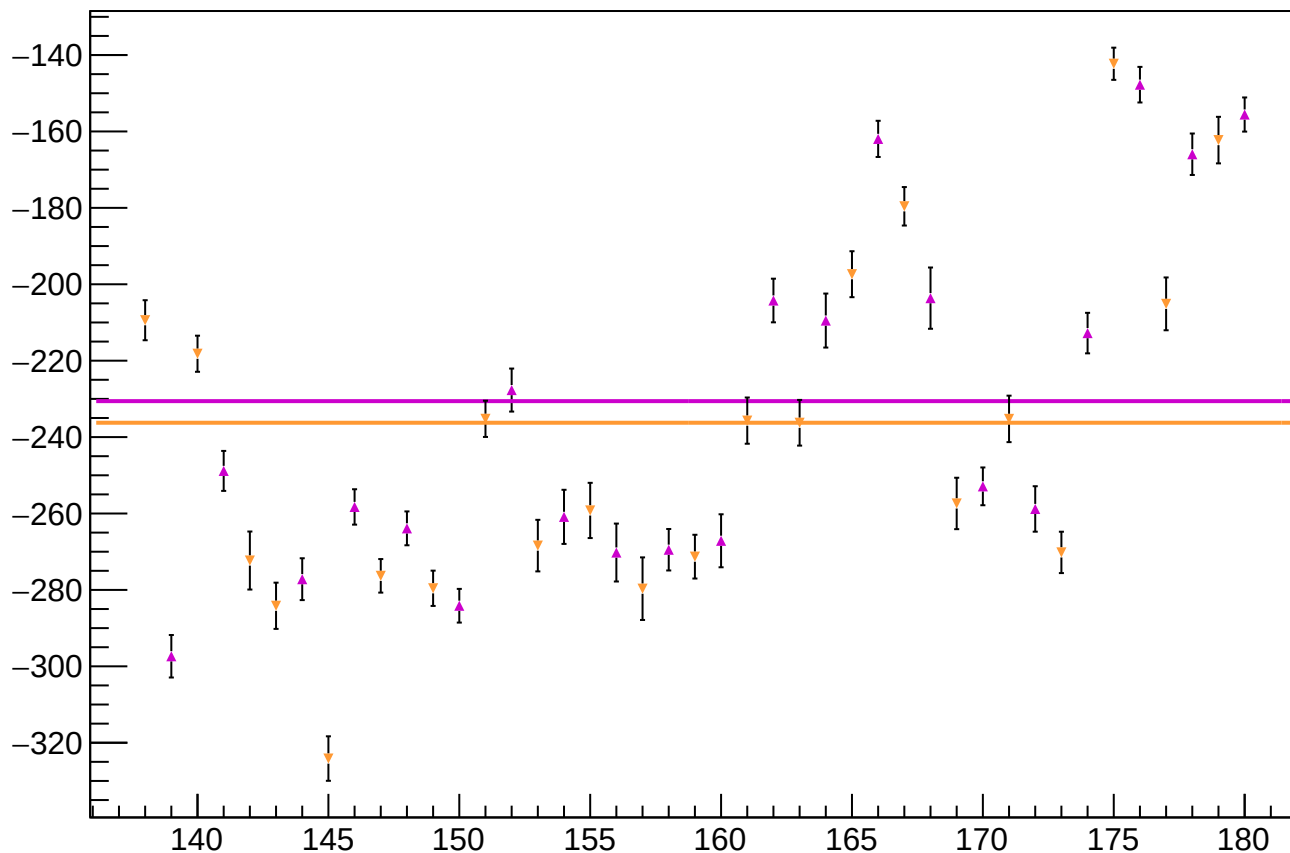
Left In: 128.796 $\pm$ 0.044 χ^2/NDF : 140989.3/20

+ sign 118.560 $\pm$ 0.037 χ^2/NDF : 755477.6/38

All: 116.644 $\pm$ 0.026 χ^2/NDF : 1645123.0/78

- sign 114.875 $\pm$ 0.036 χ^2/NDF : 884602.1/39

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -236.243+/-1.200 χ^2/NDF : 1506.5/21

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

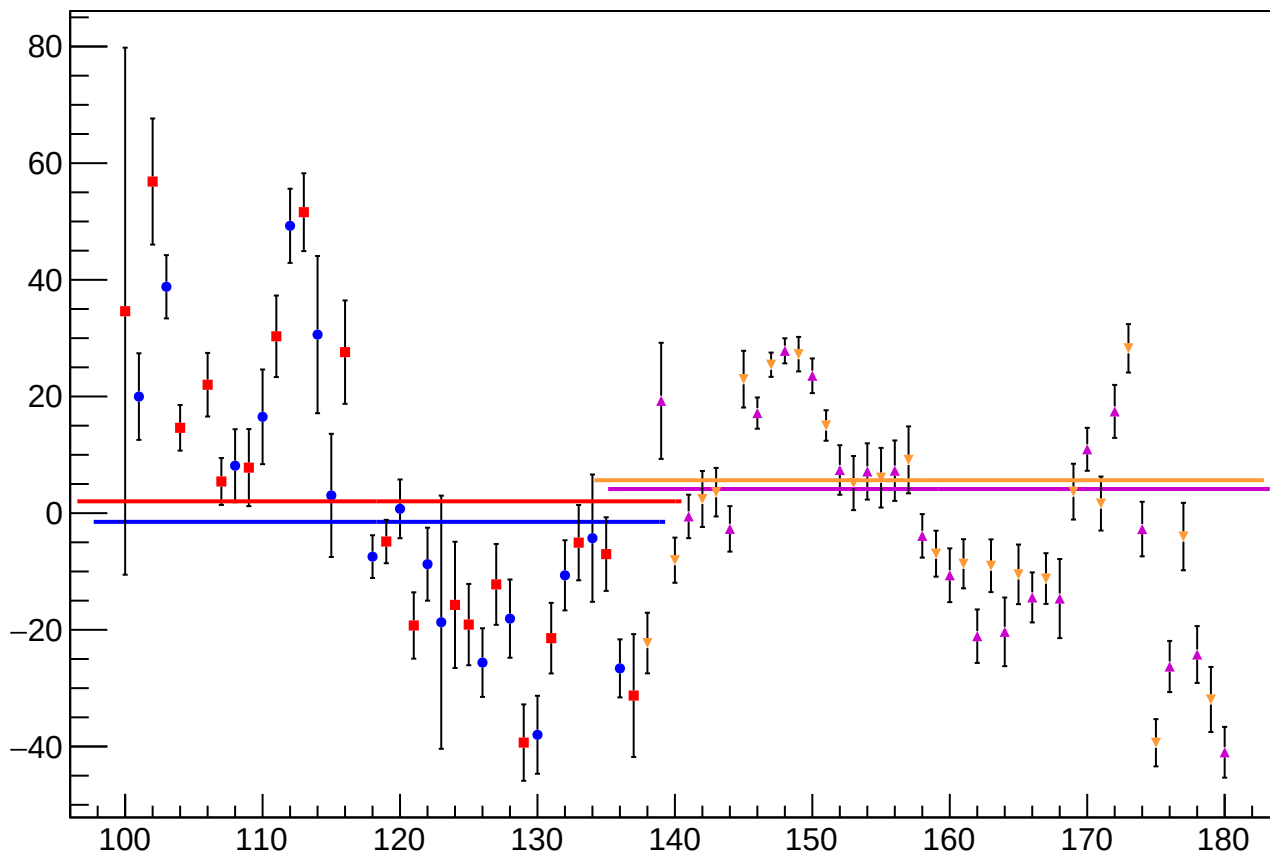
Left In: -230.588+/-1.178 χ^2/NDF : 1639.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -233.364+/-0.841 χ^2/NDF : 3157.0/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 5.641 ± 0.849 χ^2/NDF : 471.7/21

Right Out: 2.028 ± 1.400 χ^2/NDF : 233.3/18

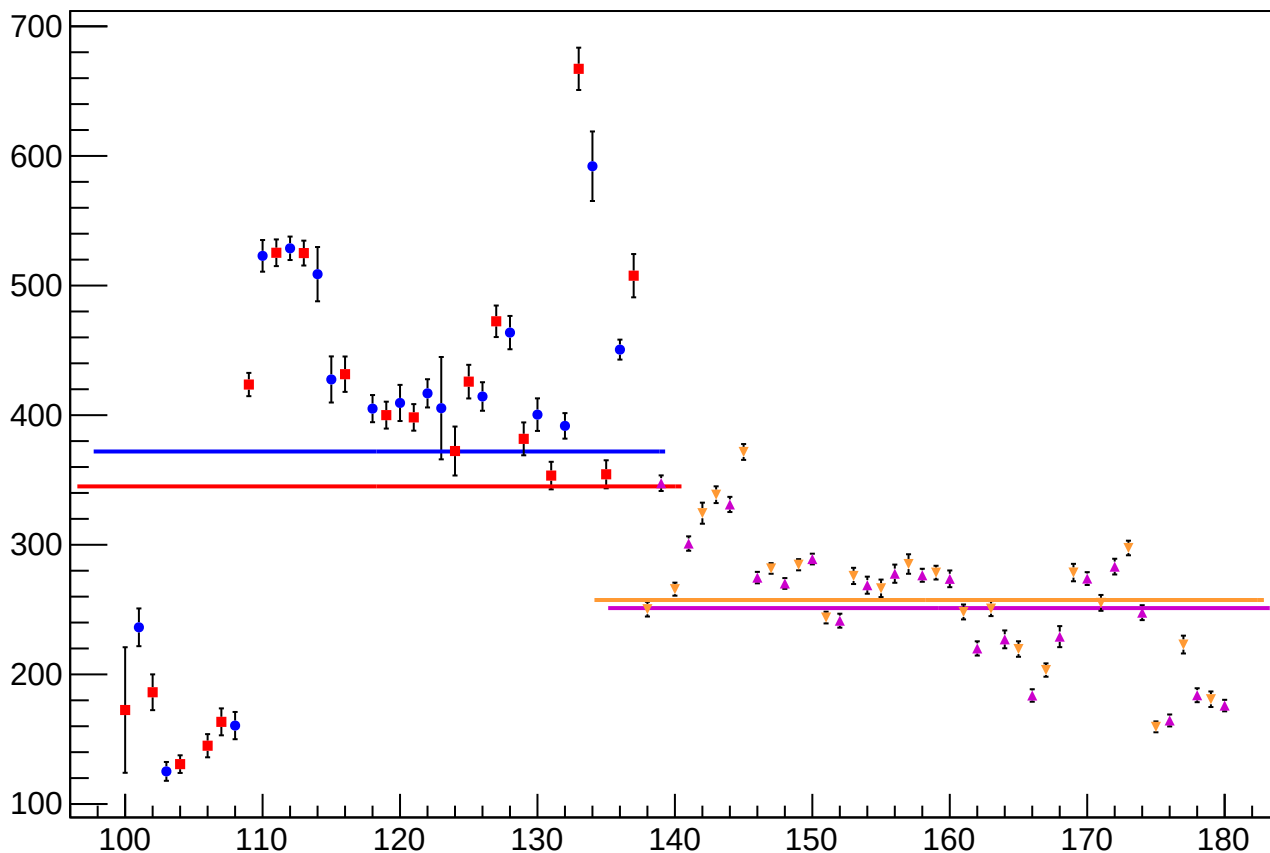
Left In: 4.140 ± 0.864 χ^2/NDF : 488.7/20

+ sign 3.972 ± 0.743 χ^2/NDF : 714.1/38

All: 3.762 ± 0.523 χ^2/NDF : 1437.9/78

- sign 3.557 ± 0.735 χ^2/NDF : 723.6/39

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 257.395 $\pm$ 1.186 χ^2 /NDF:1648.3/21

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

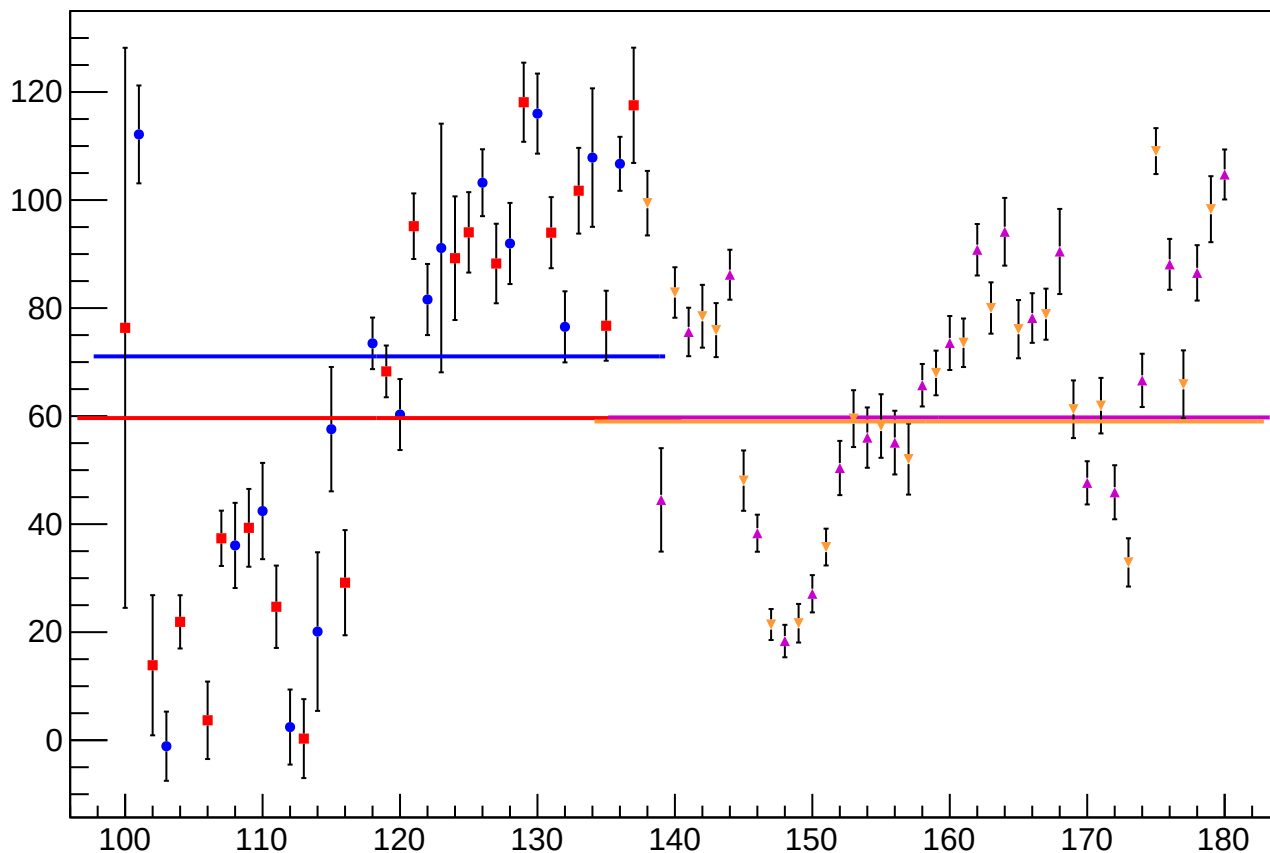
Left In: 251.159 $\pm$ 1.162 χ^2 /NDF:1810.1/20

+ sign 275.070 $\pm$ 1.091 χ^2 /NDF: 5520.0/38

All: 270.998 $\pm$ 0.759 χ^2 /NDF: 11886.0/78

- sign 267.169 $\pm$ 1.058 χ^2 /NDF: 6339.0/39

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 ± 1.764 $\chi^2/\text{NDF}: 426.2/16$

Left Out: 59.010 ± 0.994 $\chi^2/\text{NDF}: 705.2/21$

Right Out: 59.637 ± 1.631 $\chi^2/\text{NDF}: 491.6/18$

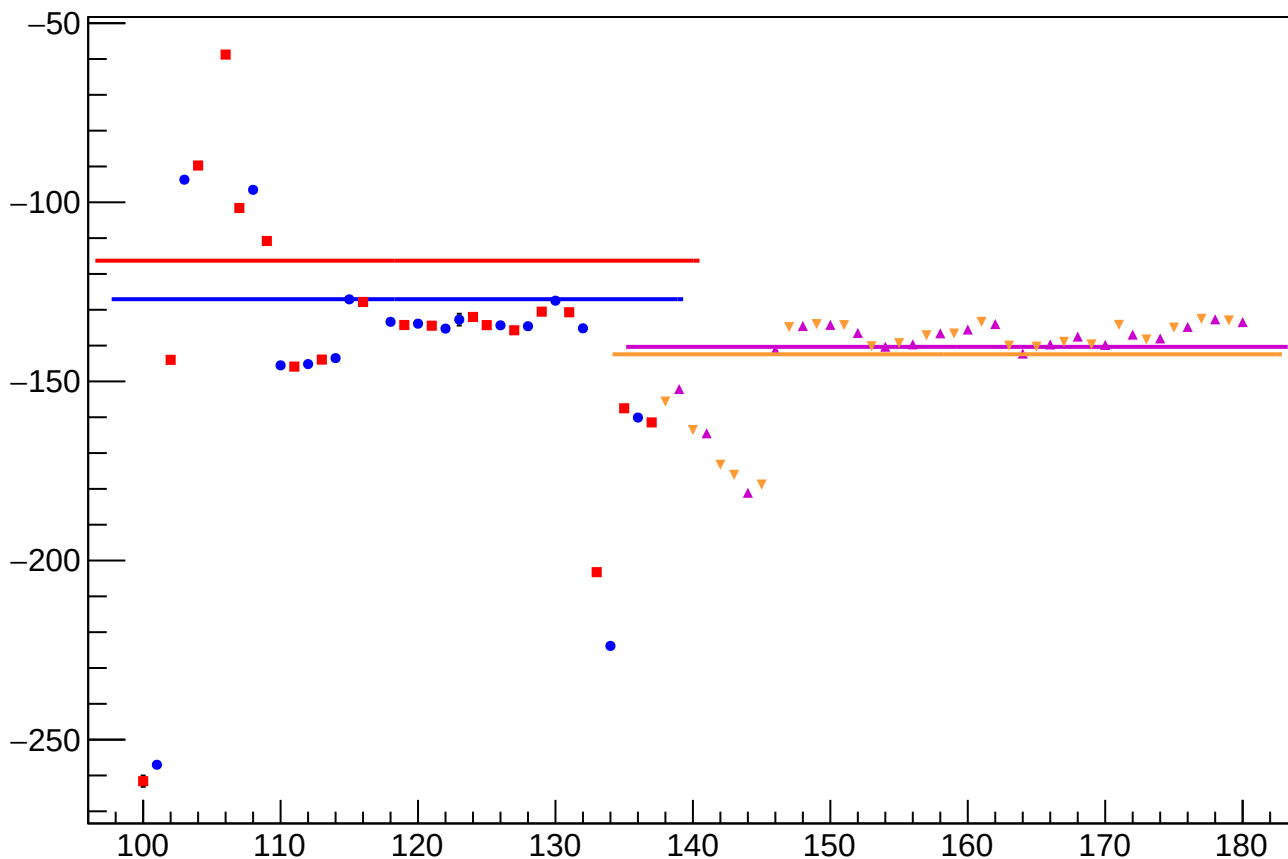
Left In: 59.755 ± 1.001 $\chi^2/\text{NDF}: 660.6/20$

+ sign 61.915 ± 0.866 $\chi^2/\text{NDF}: 1166.8/38$

All: 60.802 ± 0.608 $\chi^2/\text{NDF}: 2322.2/78$

- sign 59.723 ± 0.853 $\chi^2/\text{NDF}: 1152.2/39$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 $\pm$ 0.090 χ^2 /NDF: 167014.4/16

Left Out: -142.425 $\pm$ 0.048 χ^2 /NDF: 76037.0/21

Right Out: -116.295 $\pm$ 0.083 χ^2 /NDF: 167109.1/18

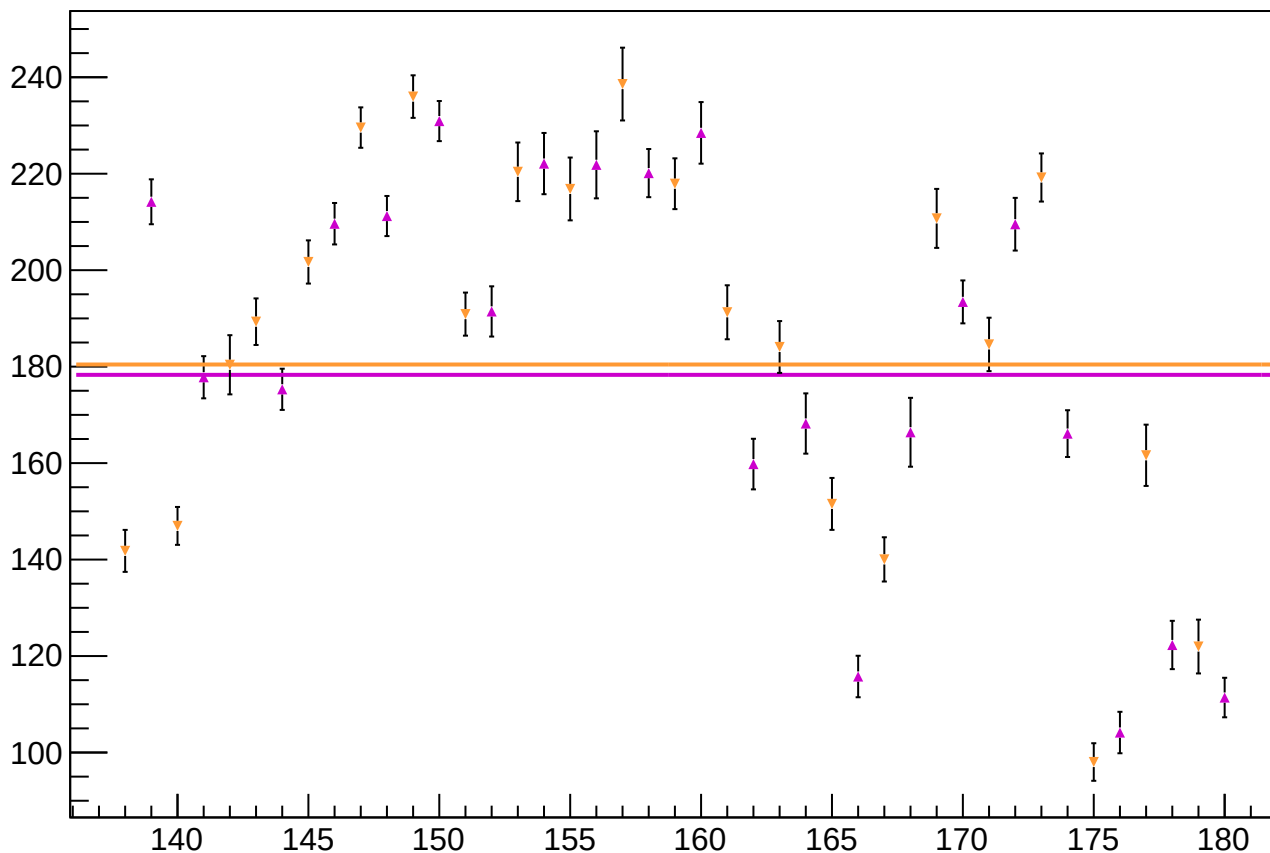
Left In: -140.353 $\pm$ 0.047 χ^2 /NDF: 47354.5/20

+ sign -139.018 $\pm$ 0.042 χ^2 /NDF: 265884.7/38

All: -136.688 $\pm$ 0.029 χ^2 /NDF: 549849.6/78

- sign -134.504 $\pm$ 0.041 χ^2 /NDF: 278076.5/39

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 180.443+/-1.072 χ^2/NDF :1425.8/21

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

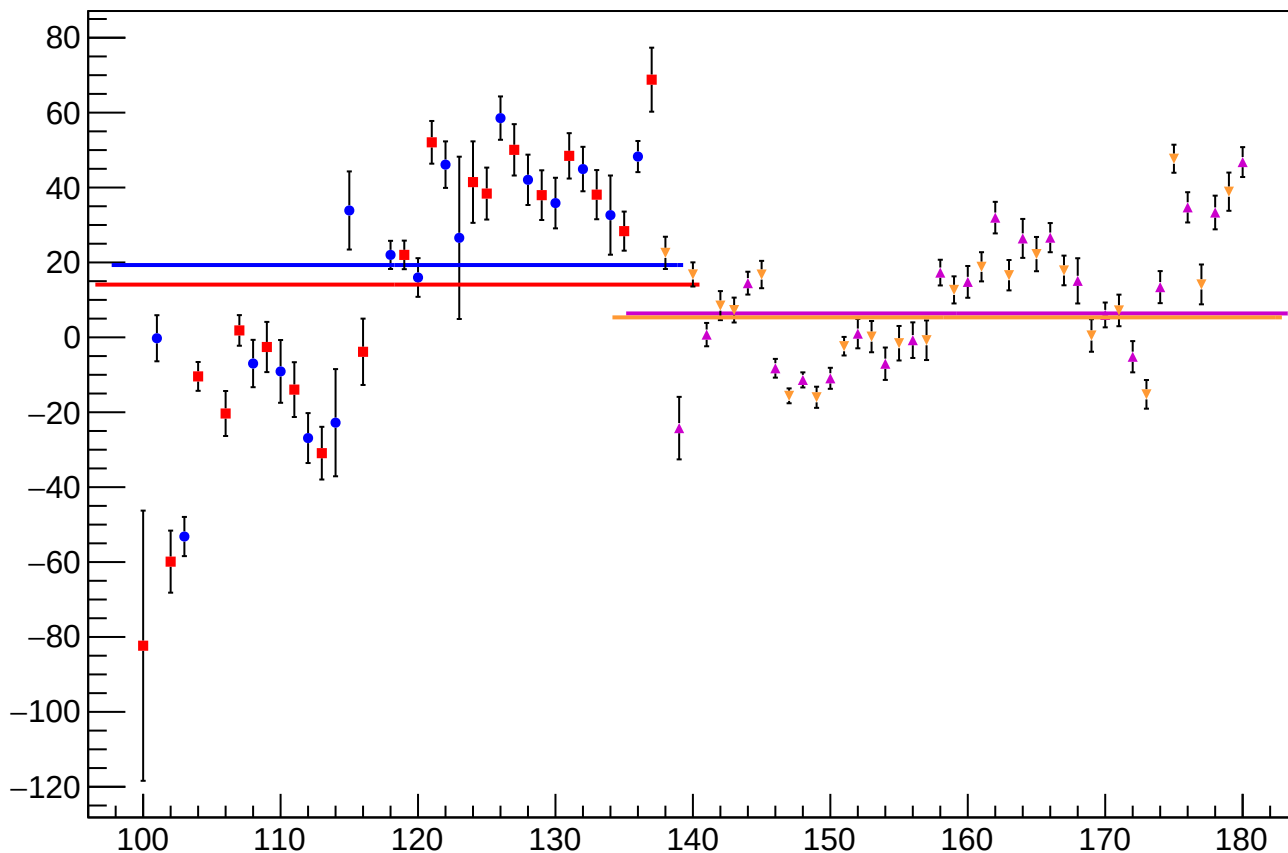
Left In: 178.299+/-1.062 χ^2/NDF :1530.4/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 179.362+/-0.755 χ^2/NDF : 2958.2/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 5.331 ± 0.767 χ^2/NDF : 474.2/21

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

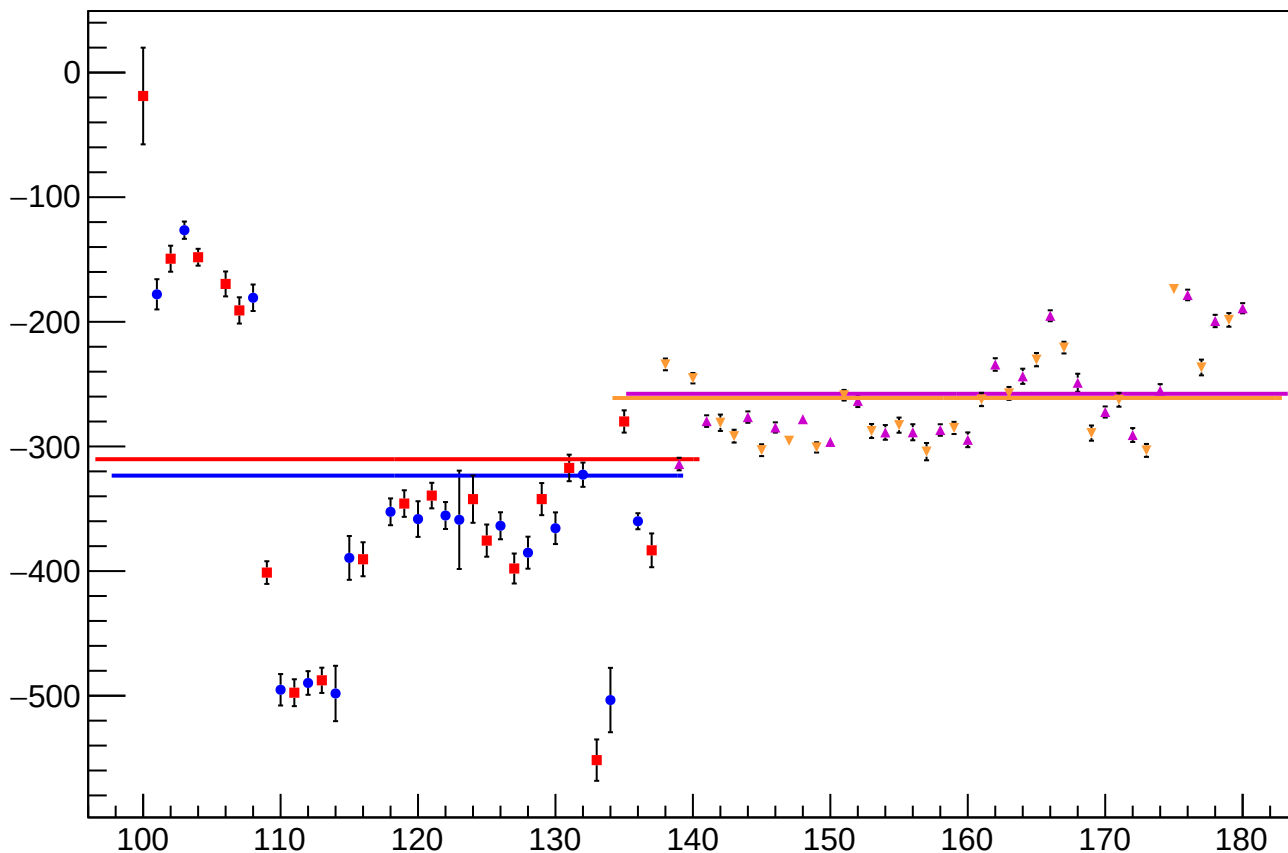
Left In: 6.381 ± 0.785 χ^2/NDF : 480.1/20

+ sign 8.224 ± 0.683 χ^2/NDF : 984.3/38

All: 8.234 ± 0.483 χ^2/NDF : 1924.6/78

- sign 8.244 ± 0.683 χ^2/NDF : 940.3/39

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -261.128 ± 1.065 $\chi^2/\text{NDF}: 1281.4/21$

Right Out: -310.236 ± 2.523 $\chi^2/\text{NDF}: 2298.8/18$

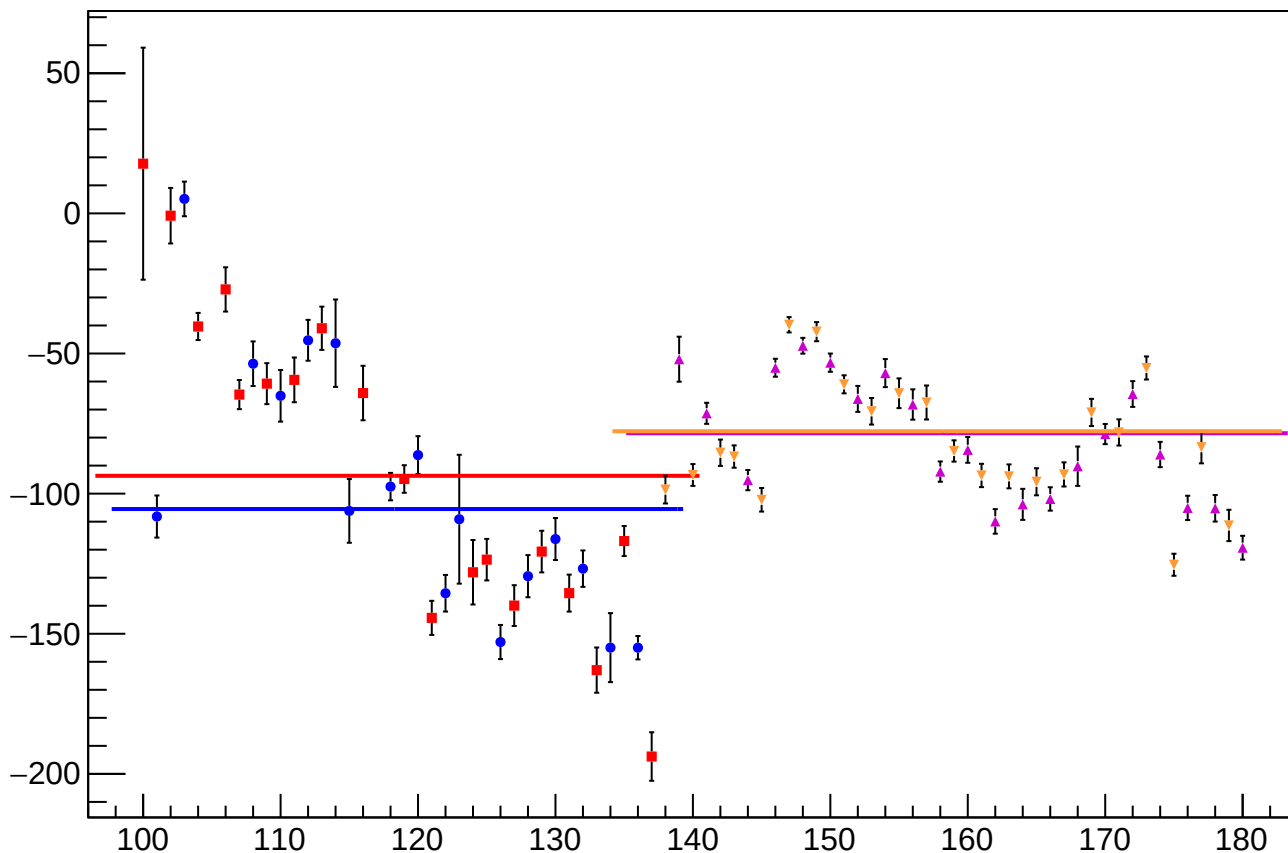
Left In: -257.735 ± 1.051 $\chi^2/\text{NDF}: 1511.3/20$

+ sign -269.606 ± 0.990 $\chi^2/\text{NDF}: 3596.1/38$

All: -267.510 ± 0.693 $\chi^2/\text{NDF}: 7783.8/78$

- sign -265.498 ± 0.970 $\chi^2/\text{NDF}: 4178.9/39$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -77.733 ± 0.896 χ^2/NDF : 689.7/21

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

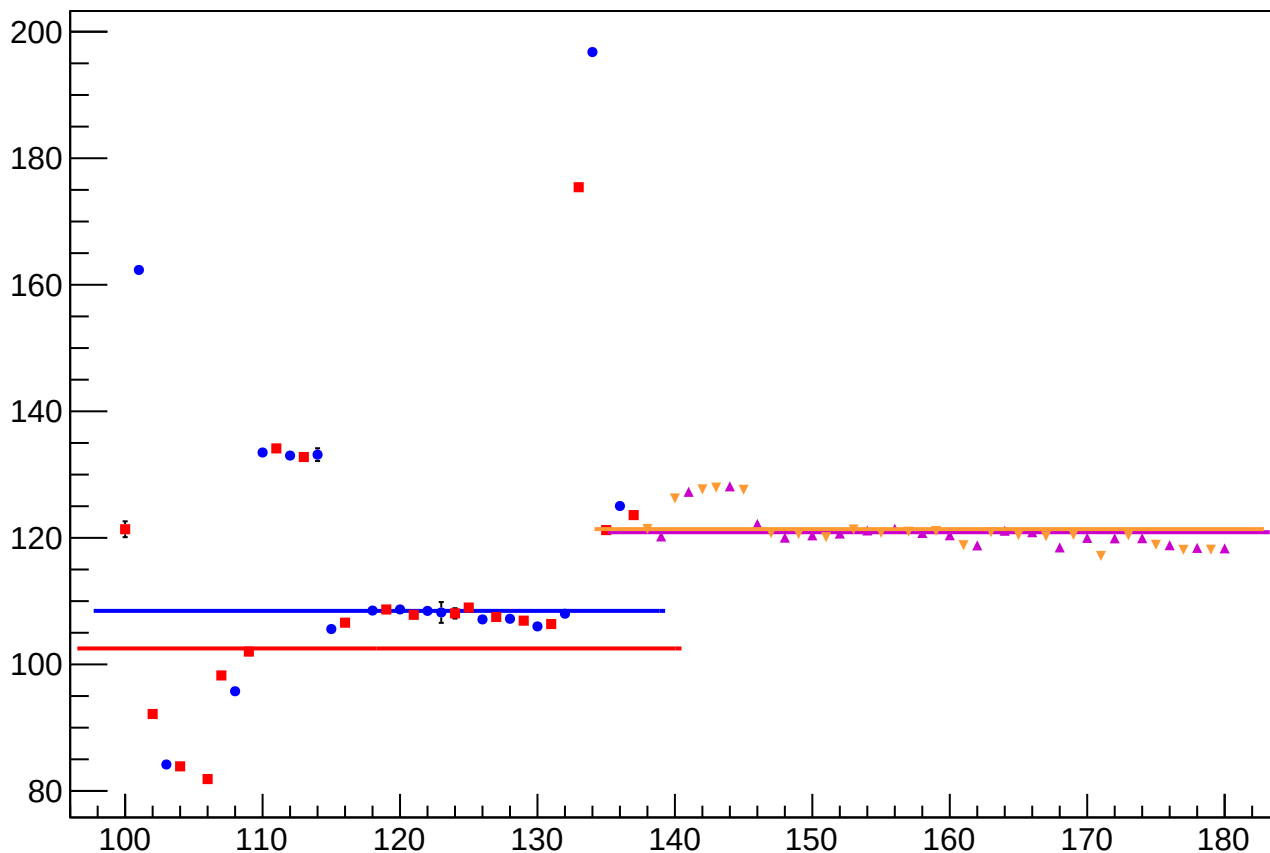
Left In: -78.450 ± 0.908 χ^2/NDF : 597.5/20

+ sign -83.698 ± 0.794 χ^2/NDF : 1633.5/38

All: -82.902 ± 0.560 χ^2/NDF : 3127.7/78

- sign -82.112 ± 0.791 χ^2/NDF : 1492.1/39

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 ± 0.085 χ^2/NDF : 73301.9/16

Left Out: 121.383 ± 0.043 χ^2/NDF : 4712.4/21

Right Out: 102.521 ± 0.080 χ^2/NDF : 52992.1/18

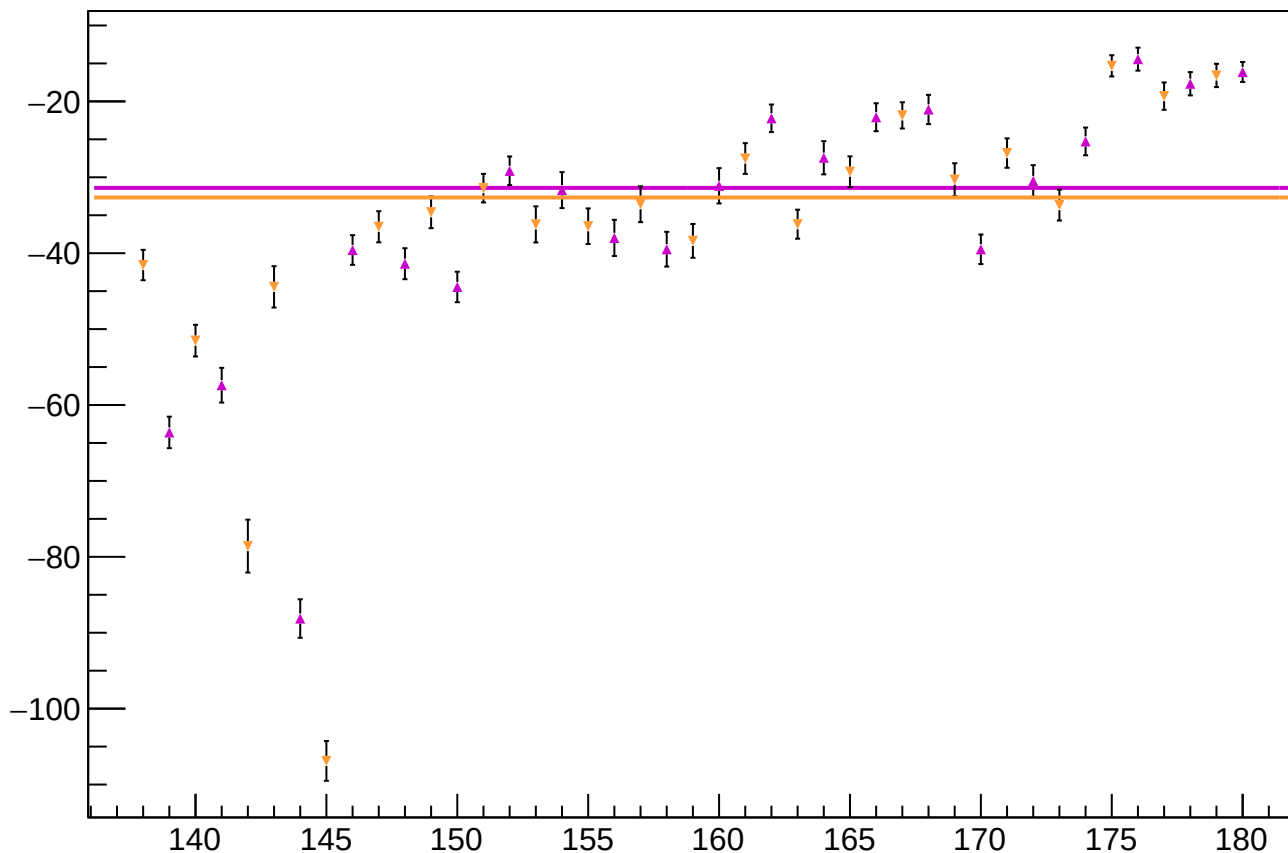
Left In: 120.893 ± 0.042 χ^2/NDF : 3238.2/20

+ sign 118.756 ± 0.038 χ^2/NDF : 96430.2/38

All: 117.763 ± 0.027 χ^2/NDF : 195467.5/78

- sign 116.814 ± 0.037 χ^2/NDF : 97725.8/39

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -32.663+/-0.431 χ^2/NDF : 1494.2/21

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

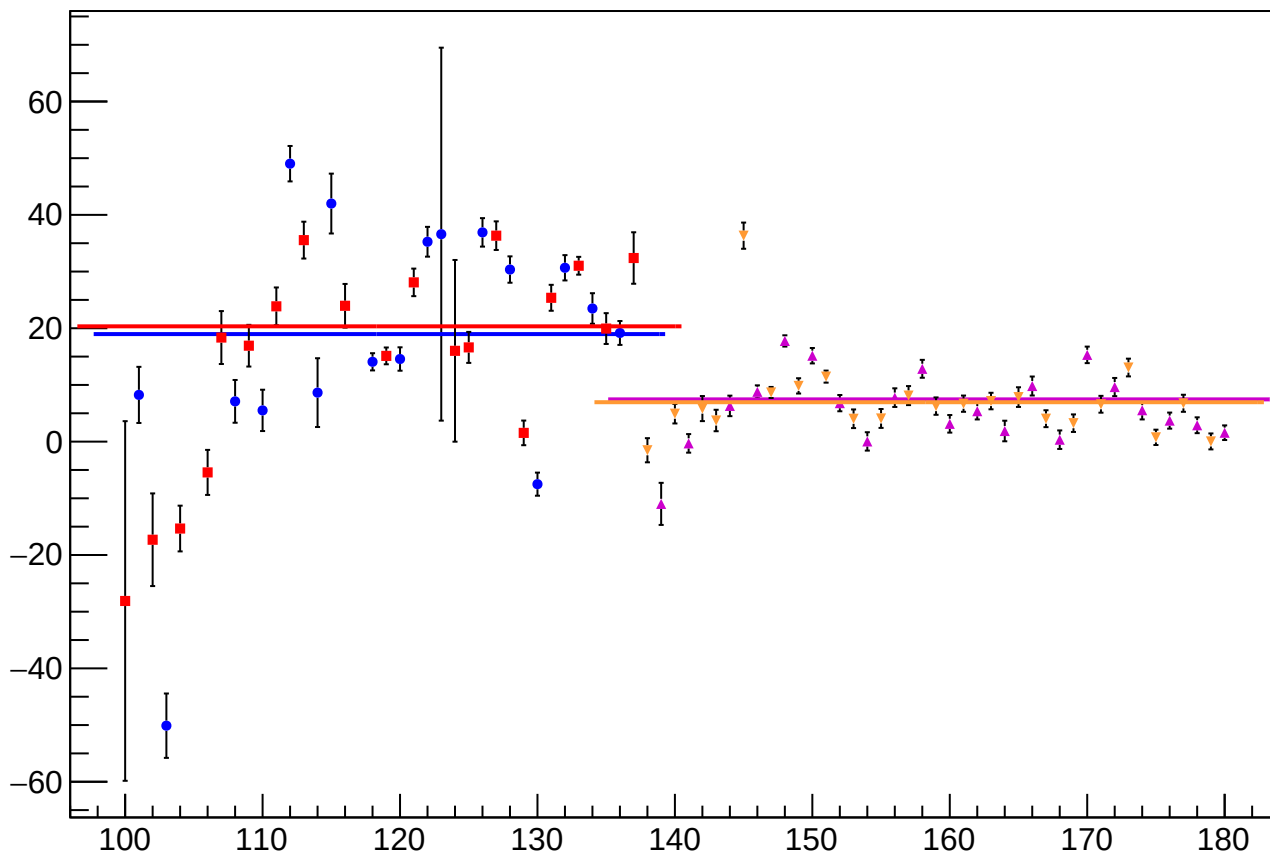
Left In: -31.396+/-0.421 χ^2/NDF : 1427.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.015+/-0.301 χ^2/NDF : 2925.7/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 6.952 ± 0.320 χ^2/NDF : 284.9/21

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

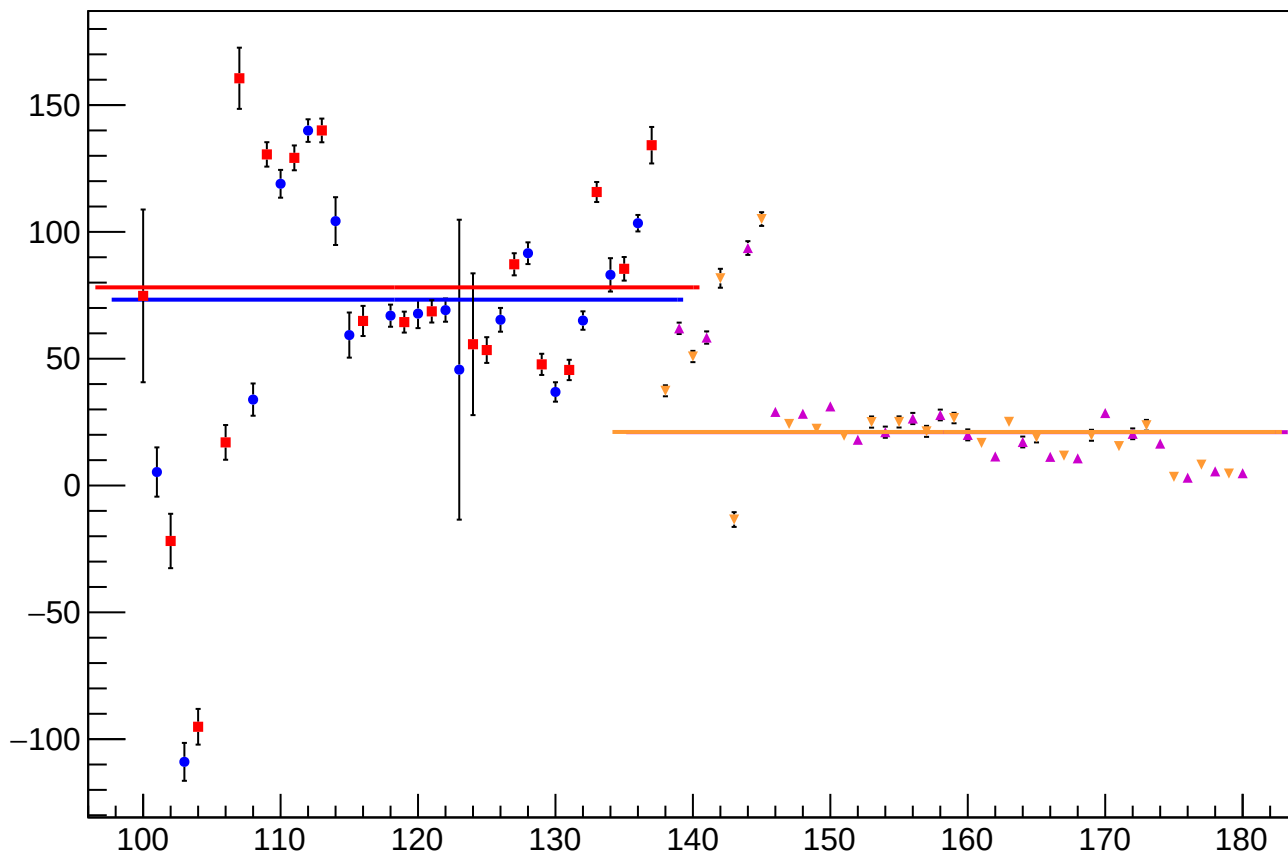
Left In: 7.453 ± 0.325 χ^2/NDF : 332.5/20

+ sign 9.284 ± 0.288 χ^2/NDF : 1176.3/38

All: 9.678 ± 0.204 χ^2/NDF : 2199.6/78

- sign 10.077 ± 0.290 χ^2/NDF : 1019.5/39

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 21.117 $\pm$ 0.425 χ^2 /NDF:2000.2/21

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

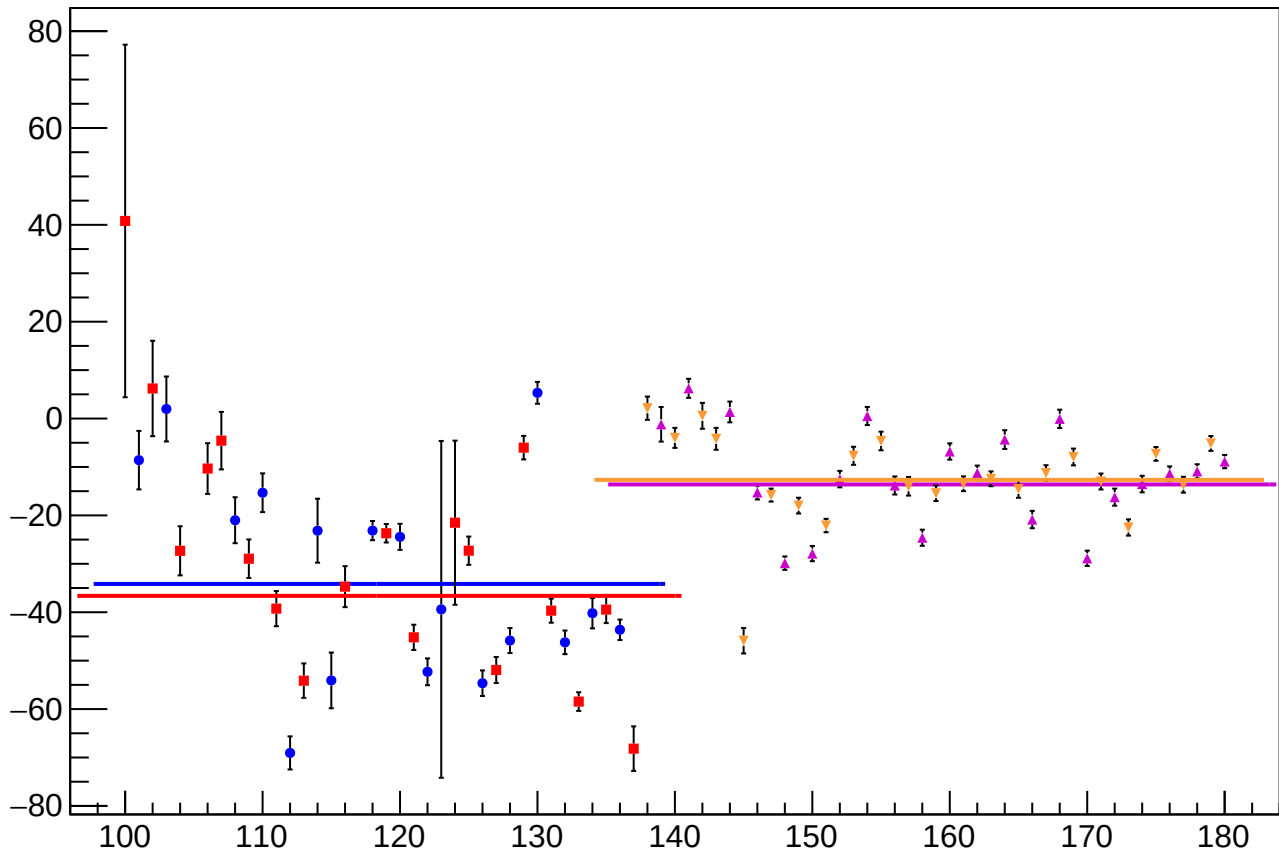
Left In: 21.036 $\pm$ 0.415 χ^2 /NDF:1871.4/20

+ sign 26.632 $\pm$ 0.402 χ^2 /NDF: 4790.3/38

All: 26.793 $\pm$ 0.281 χ^2 /NDF: 10160.6/78

- sign 26.947 $\pm$ 0.393 χ^2 /NDF: 5370.0/39

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -12.662 ± 0.367 χ^2/NDF : 426.5/21

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

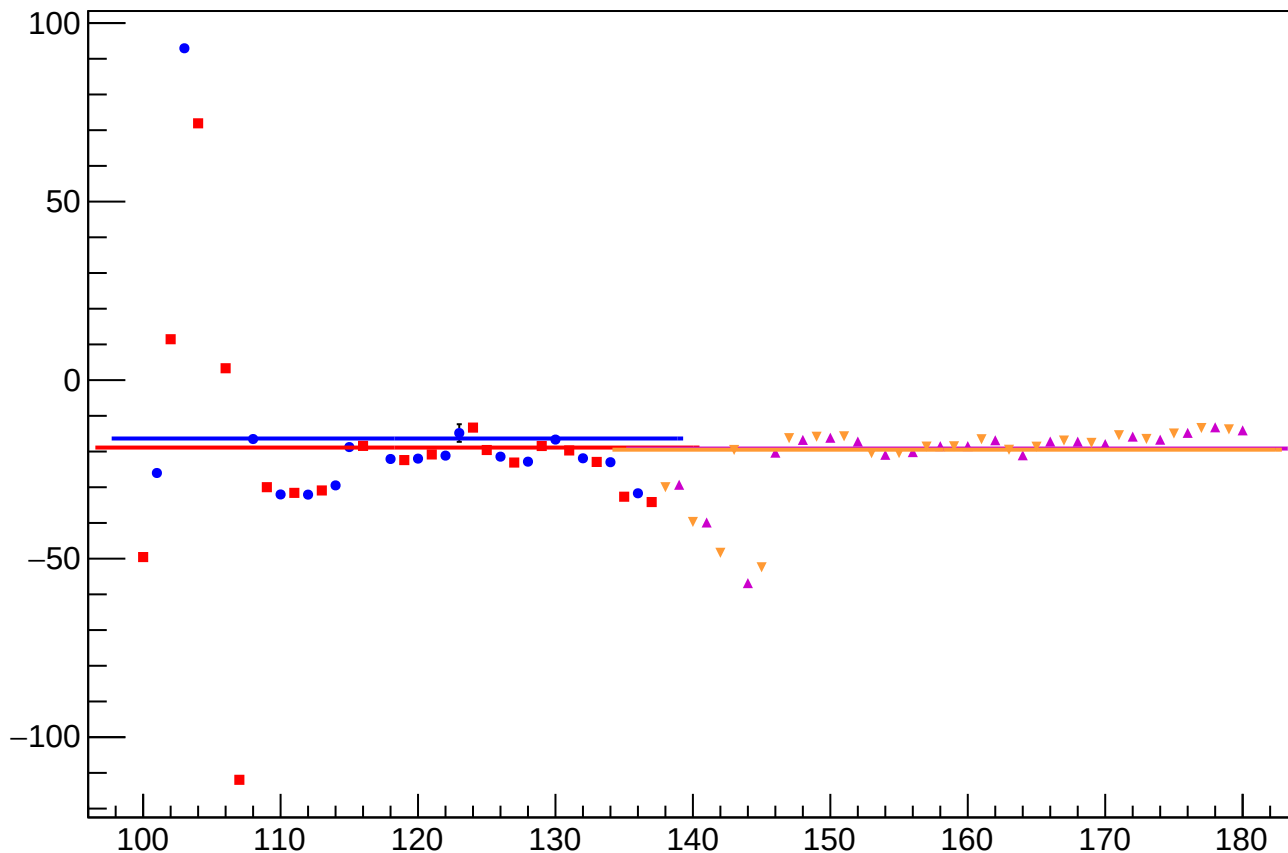
Left In: -13.611 ± 0.369 χ^2/NDF : 706.2/20

+ sign -16.853 ± 0.329 χ^2/NDF : 1814.1/38

All: -17.538 ± 0.233 χ^2/NDF : 3857.8/78

- sign -18.225 ± 0.329 χ^2/NDF : 2035.0/39

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 χ^2/NDF : 474192.3/16

Left Out: -19.482 ± 0.017 χ^2/NDF : 224397.5/21

Right Out: -18.886 ± 0.045 χ^2/NDF : 433793.7/18

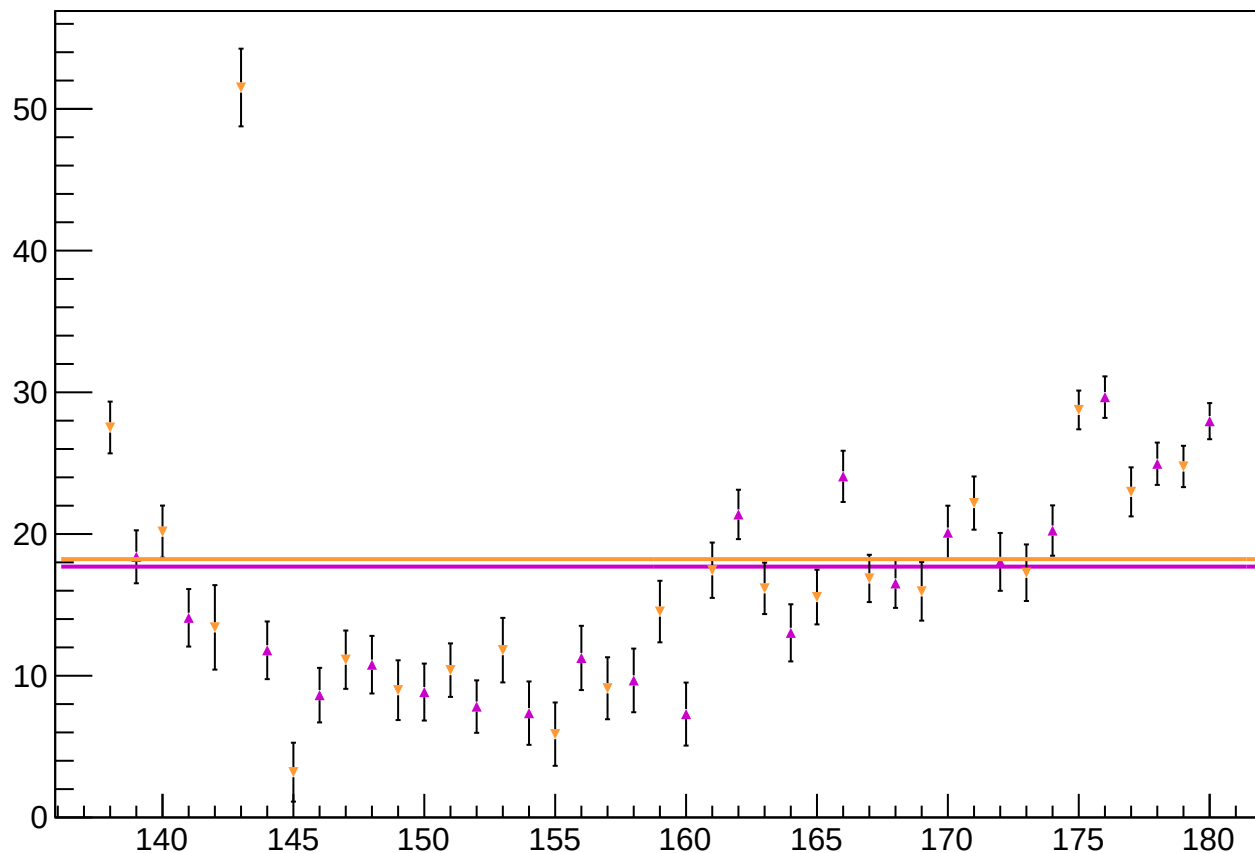
Left In: -19.163 ± 0.017 χ^2/NDF : 189420.2/20

+ sign -19.087 ± 0.016 χ^2/NDF : 702894.7/38

All: -19.108 ± 0.011 χ^2/NDF : 1326144.9/78

- sign -19.129 ± 0.016 χ^2/NDF : 623246.6/39

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 18.229+/-0.411 χ^2/NDF : 433.2/21

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

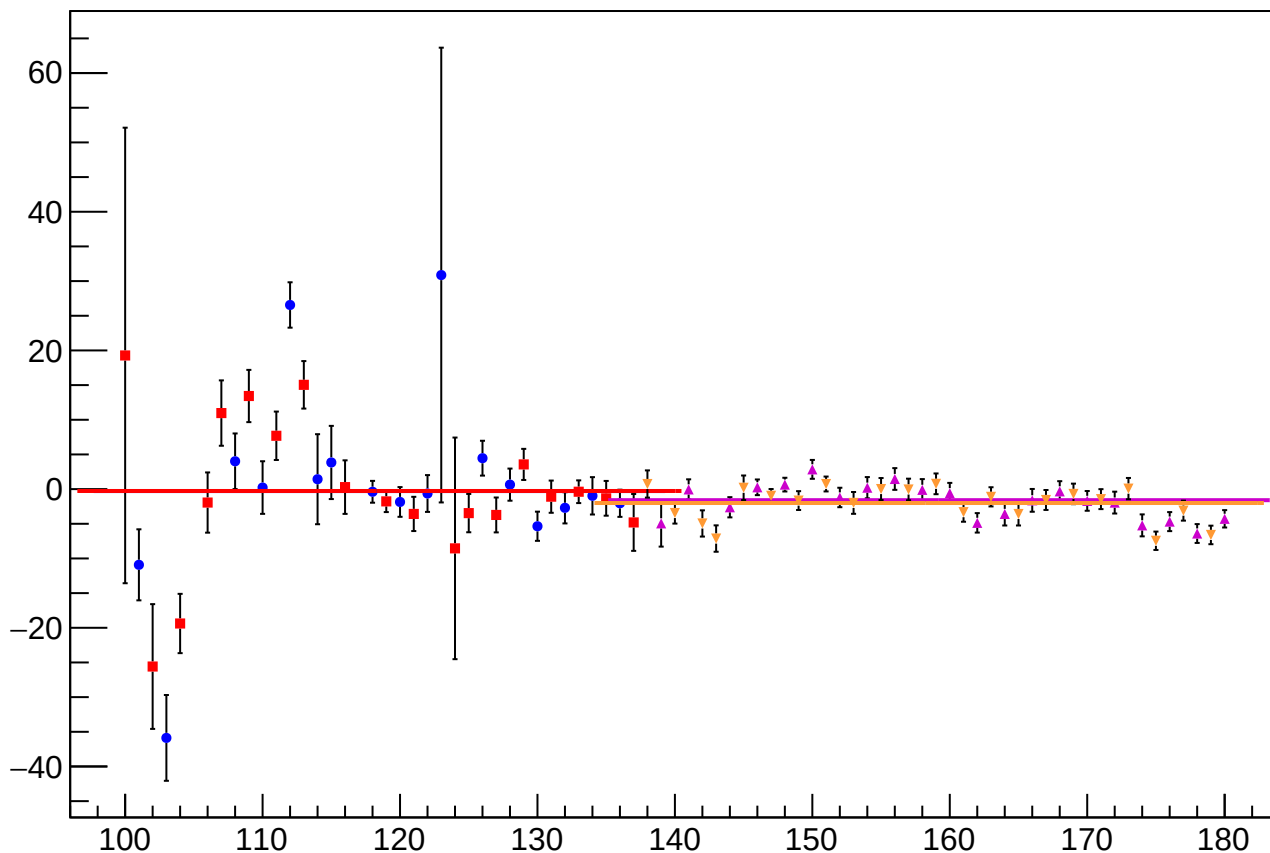
Left In: 17.700+/-0.402 χ^2/NDF : 339.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 17.959+/-0.287 χ^2/NDF : 773.2/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -2.004 ± 0.308 χ^2/NDF : 62.8/21

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

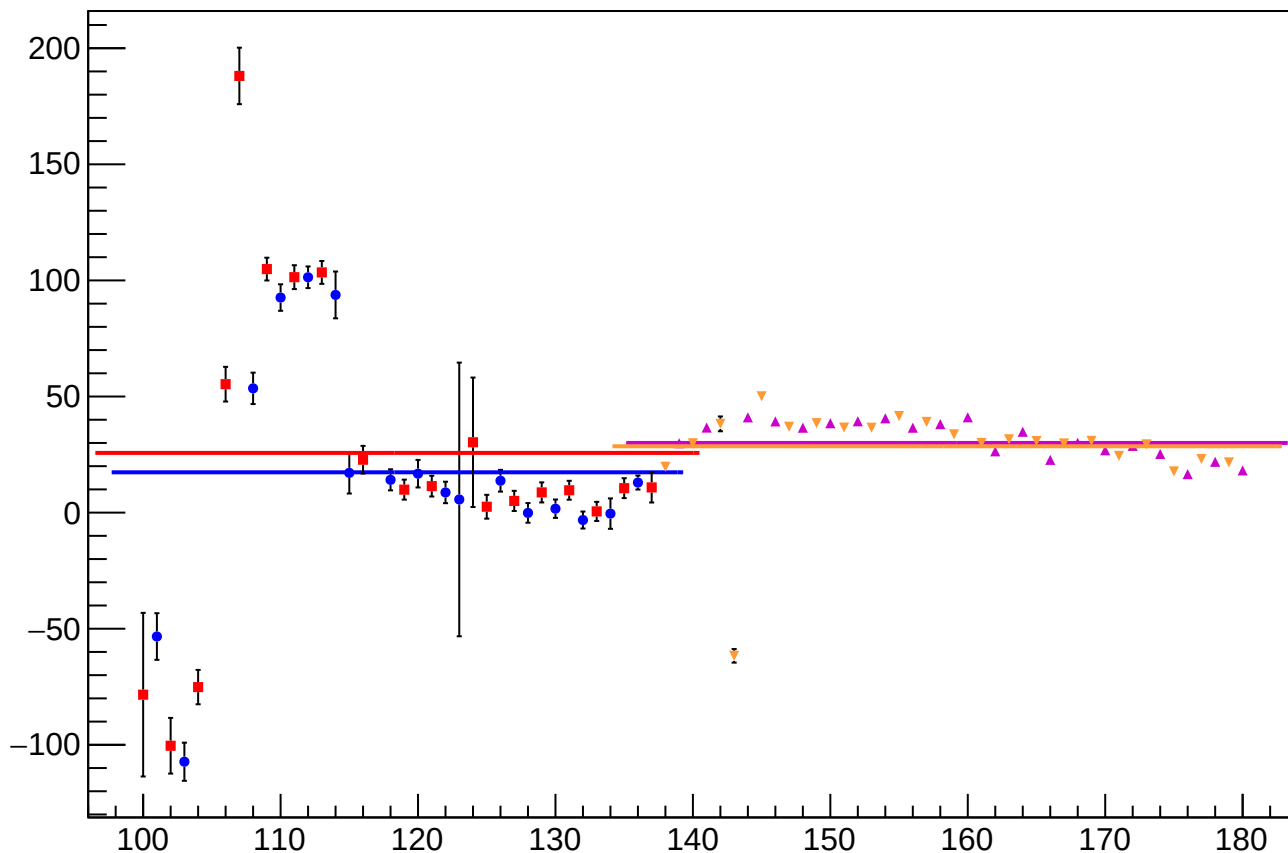
Left In: -1.596 ± 0.312 χ^2/NDF : 62.9/20

+ sign -1.697 ± 0.279 χ^2/NDF : 187.9/38

All: -1.526 ± 0.198 χ^2/NDF : 338.1/78

- sign -1.352 ± 0.282 χ^2/NDF : 149.4/39

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 28.568 ± 0.406 $\chi^2/\text{NDF}: 1337.7/21$

Right Out: 25.717 ± 1.243 $\chi^2/\text{NDF}: 1378.8/18$

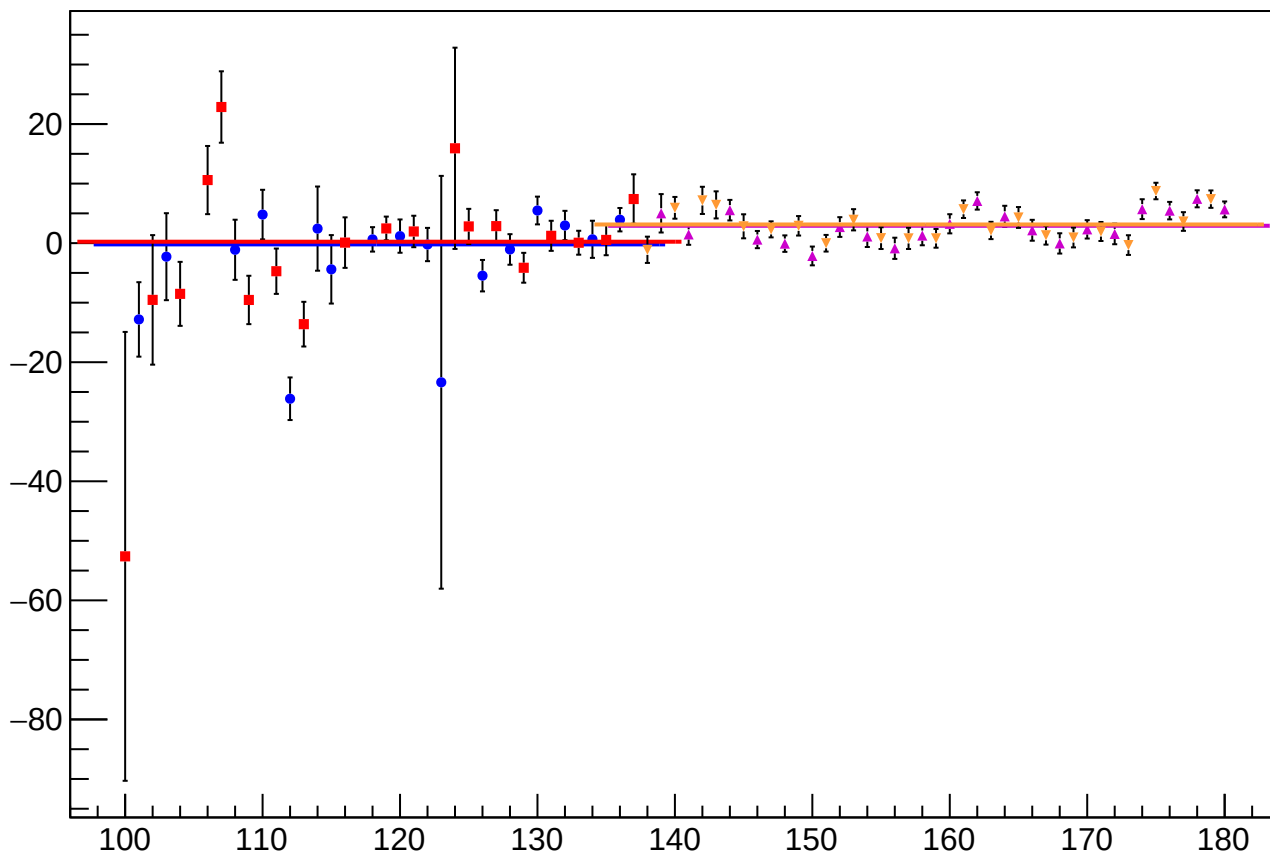
Left In: 30.007 ± 0.397 $\chi^2/\text{NDF}: 438.2/20$

+ sign 27.492 ± 0.386 $\chi^2/\text{NDF}: 2353.7/38$

All: 28.572 ± 0.270 $\chi^2/\text{NDF}: 4196.9/78$

- sign 29.609 ± 0.379 $\chi^2/\text{NDF}: 1827.8/39$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 3.133 ± 0.352 χ^2/NDF : 59.5/21

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

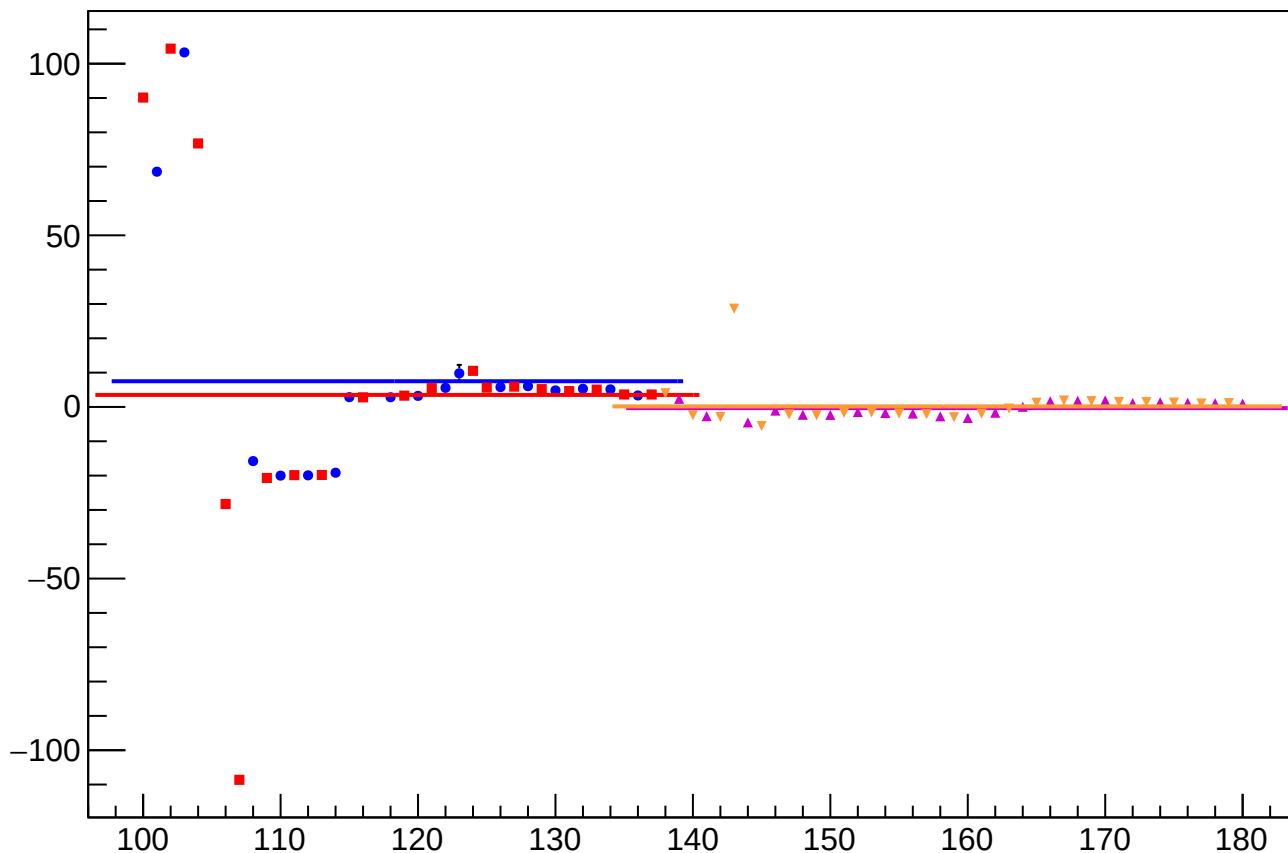
Left In: 2.916 ± 0.353 χ^2/NDF : 60.7/20

+ sign 2.533 ± 0.319 χ^2/NDF : 151.6/38

All: 2.481 ± 0.226 χ^2/NDF : 277.3/78

- sign 2.428 ± 0.319 χ^2/NDF : 125.7/39

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: 0.168 ± 0.016 $\chi^2/\text{NDF}: 77627.5/21$

Right Out: 3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.4/18$

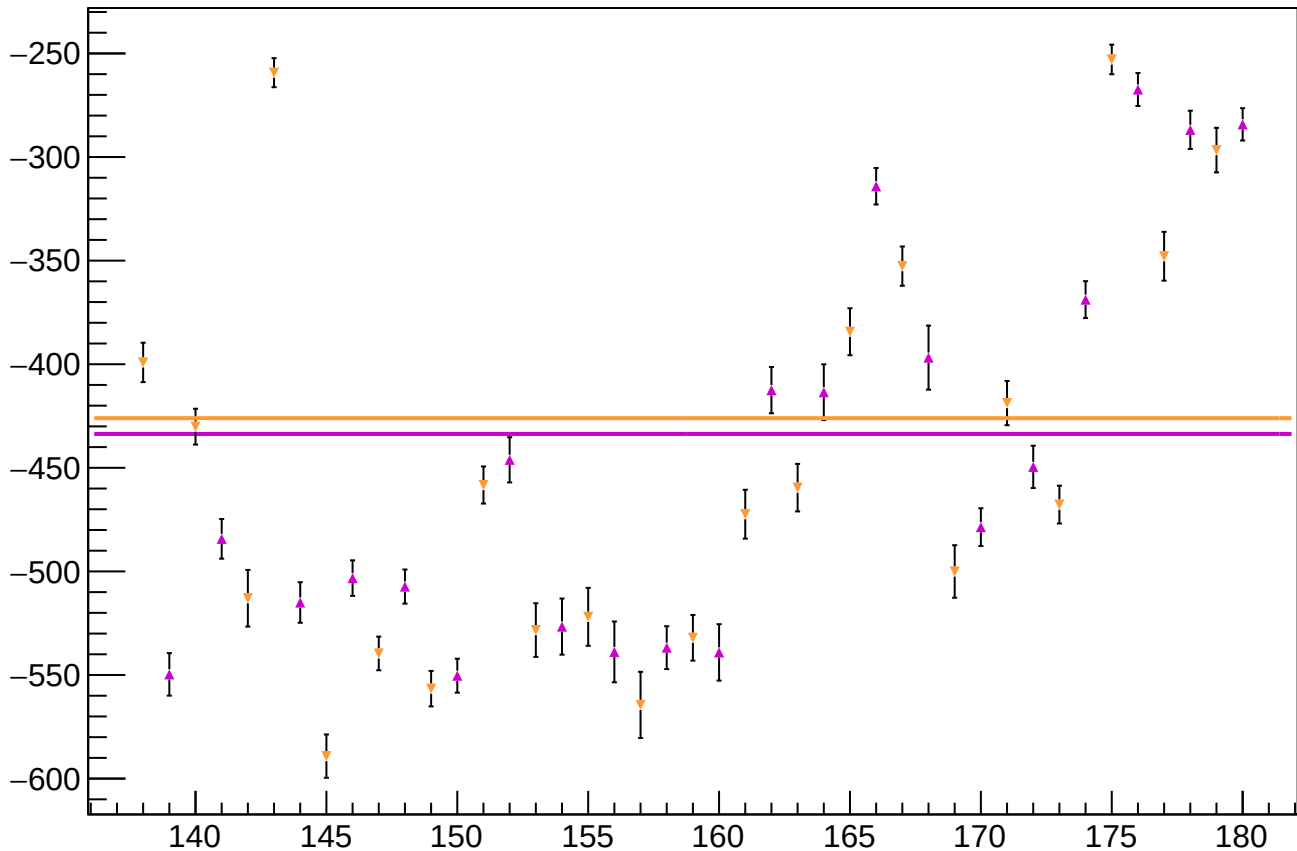
Left In: -0.345 ± 0.016 $\chi^2/\text{NDF}: 14612.7/20$

+ sign 1.019 ± 0.015 $\chi^2/\text{NDF}: 457401.6/38$

All: 0.544 ± 0.011 $\chi^2/\text{NDF}: 990869.3/78$

- sign 0.076 ± 0.015 $\chi^2/\text{NDF}: 531530.3/39$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -426.033+/-2.132 χ^2/NDF : 2506.9/21

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

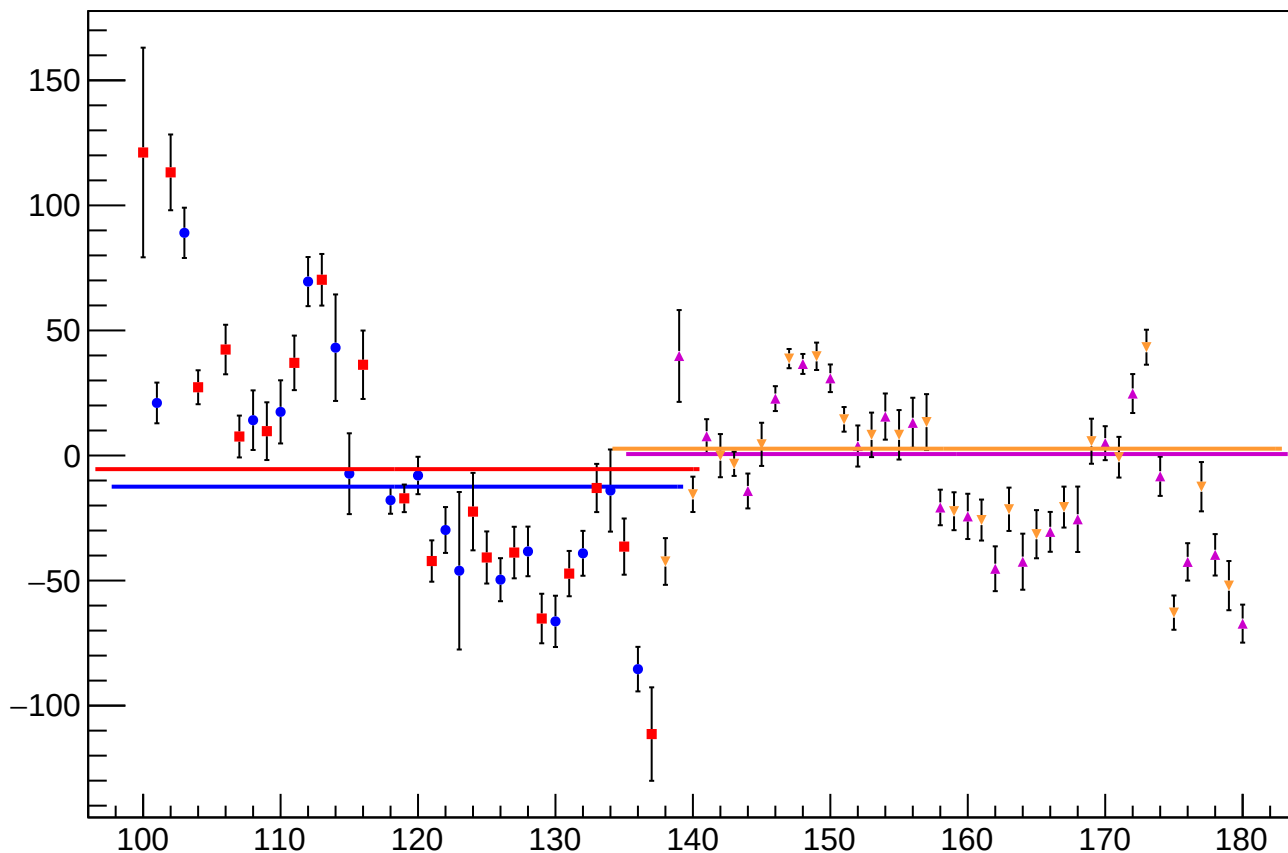
Left In: -433.652+/-2.151 χ^2/NDF : 2164.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -429.809+/-1.514 χ^2/NDF : 4677.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 2.730 ± 1.516 χ^2/NDF : 382.6/21

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

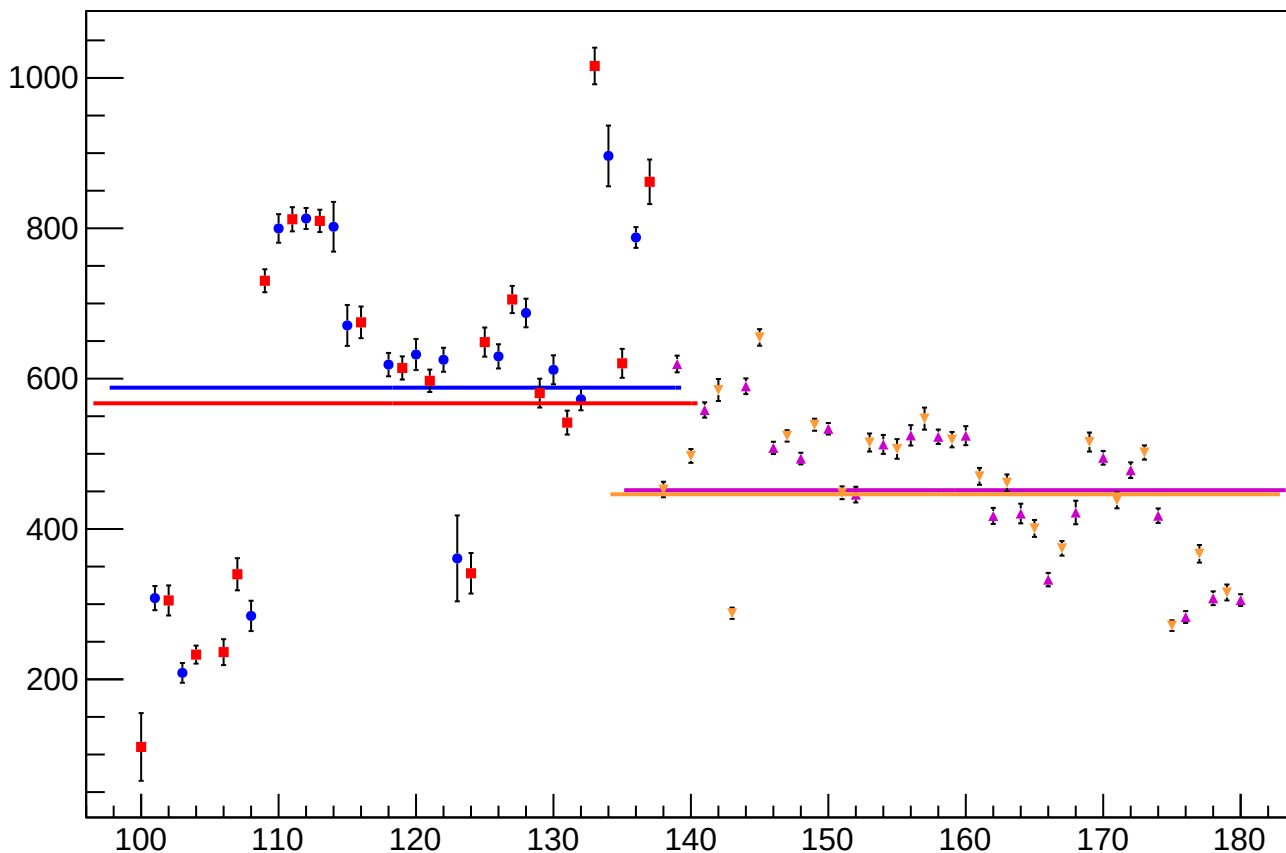
Left In: 0.574 ± 1.589 χ^2/NDF : 370.6/20

+ sign -1.736 ± 1.274 χ^2/NDF : 753.2/38

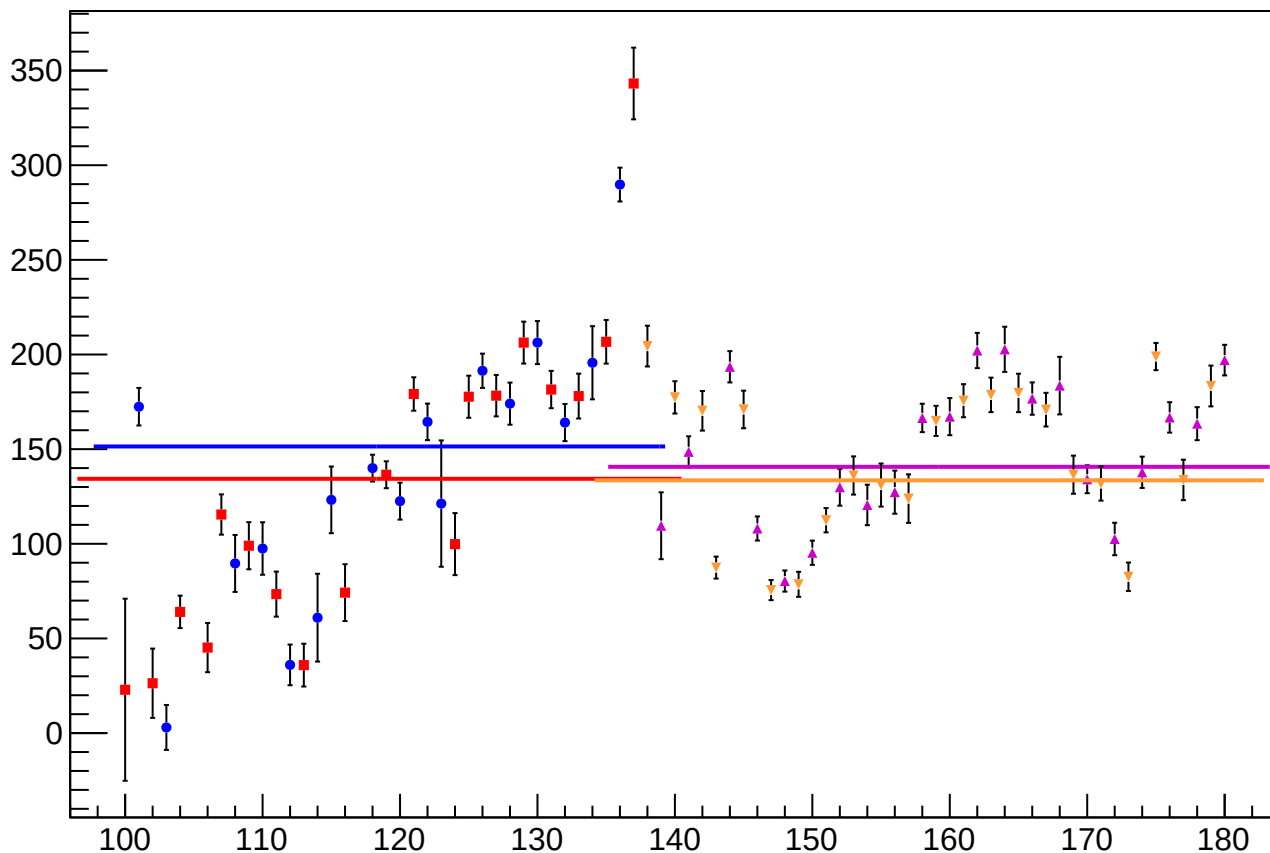
All: -1.583 ± 0.910 χ^2/NDF : 1473.6/78

- sign -1.422 ± 1.300 χ^2/NDF : 720.3/39

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 133.526 $\pm$ 1.775 χ^2 /NDF: 610.6/21

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

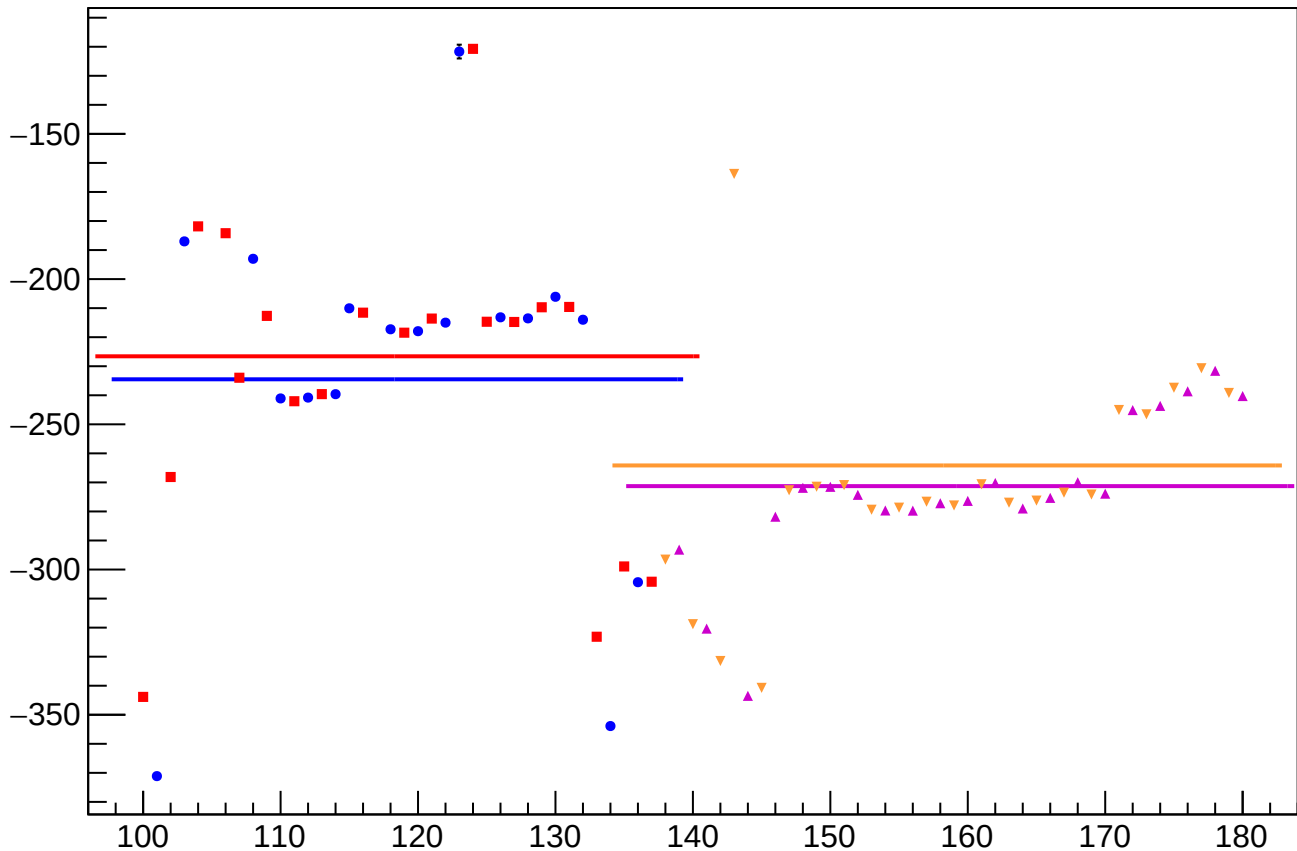
Left In: 140.666 $\pm$ 1.838 χ^2 /NDF: 446.4/20

+ sign 138.902 $\pm$ 1.485 χ^2 /NDF: 1274.4/38

All: 138.742 $\pm$ 1.057 χ^2 /NDF: 2309.6/78

- sign 138.577 $\pm$ 1.504 χ^2 /NDF: 1035.2/39

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -264.158+/-0.086 χ^2/NDF : 207735.5/21

Right Out: -226.581+/-0.141 χ^2/NDF : 98968.8/18

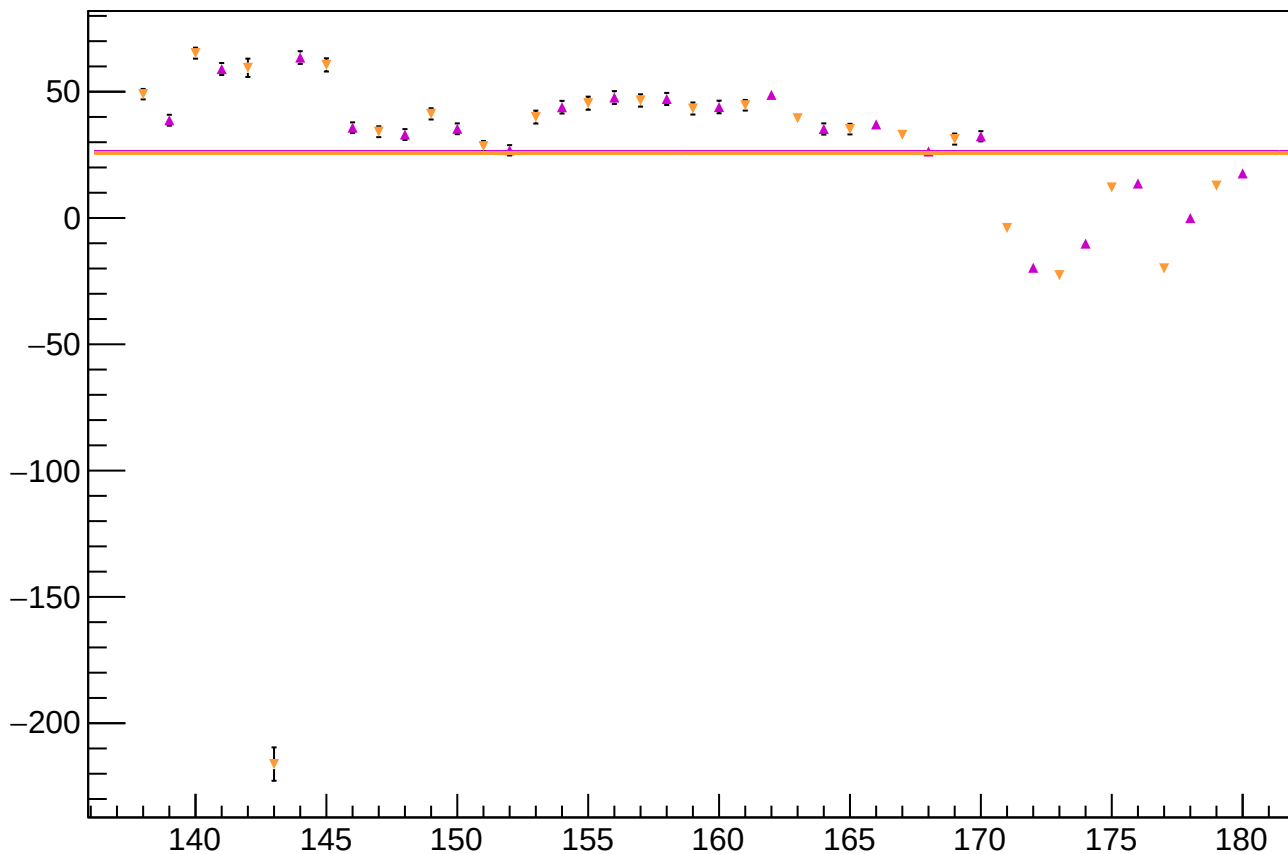
Left In: -271.279+/-0.086 χ^2/NDF : 79063.6/20

+ sign -256.762+/-0.074 χ^2/NDF : 382508.3/38

All: -257.956+/-0.052 χ^2/NDF : 633802.1/78

- sign -259.127+/-0.074 χ^2/NDF : 250783.9/39

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 25.722 $\pm$ 0.448 χ^2 /NDF:4131.8/21

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

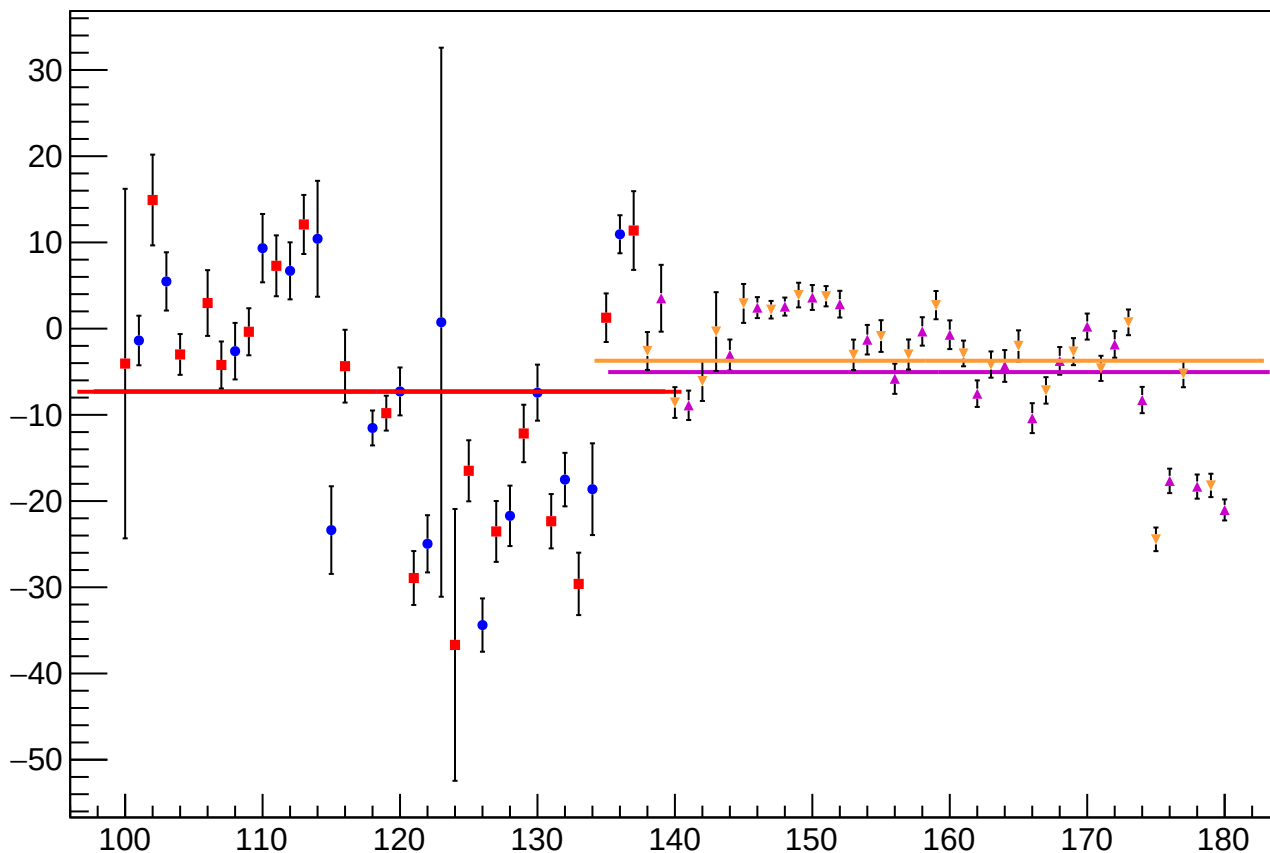
Left In: 26.114 $\pm$ 0.428 χ^2 /NDF:2316.3/20

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

All: 25.927 $\pm$ 0.309 χ^2 /NDF: 6448.5/42

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

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -3.722 ± 0.336 χ^2/NDF : 498.3/21

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

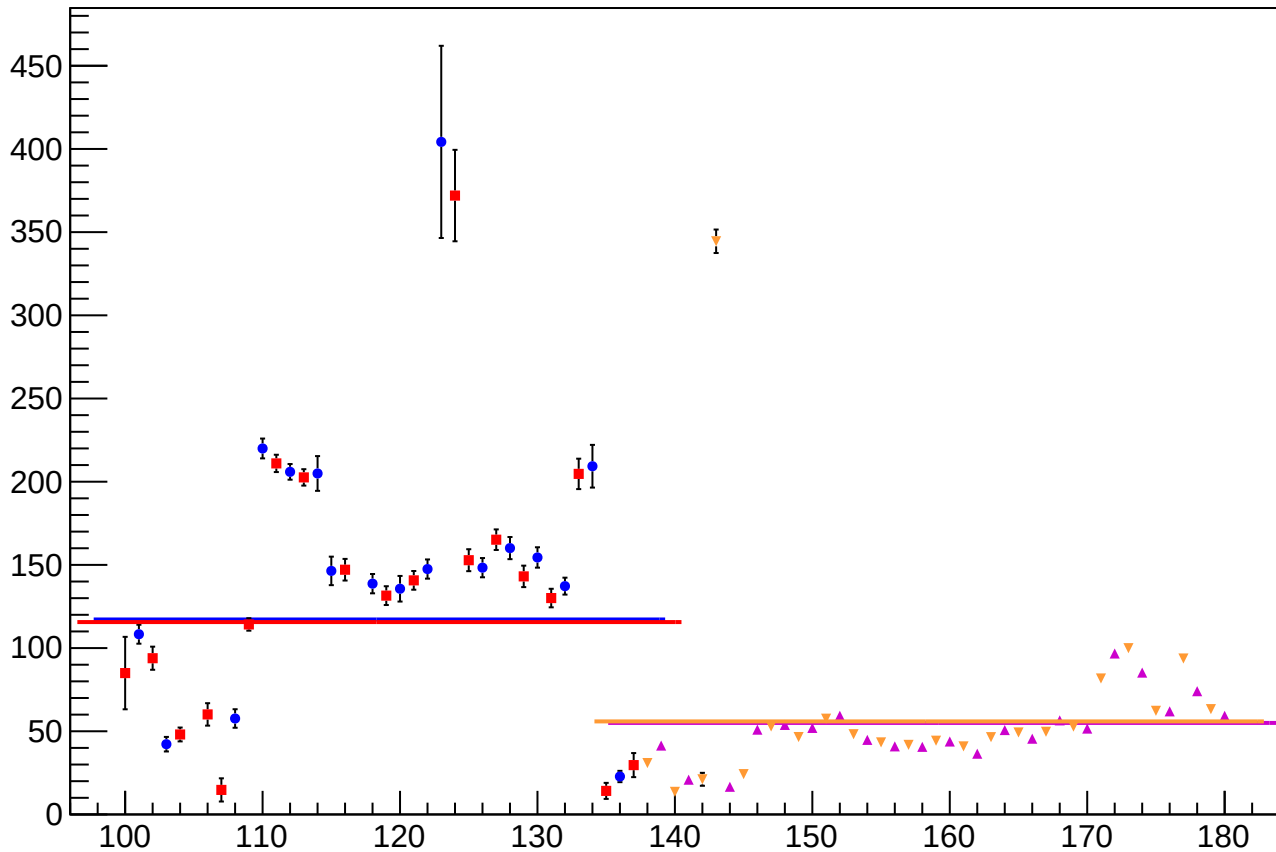
Left In: -5.040 ± 0.333 χ^2/NDF : 558.2/20

+ sign -4.269 ± 0.309 χ^2/NDF : 798.8/38

All: -4.845 ± 0.217 χ^2/NDF : 1626.7/78

- sign -5.407 ± 0.305 χ^2/NDF : 821.0/39

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 55.924 ± 0.442 χ^2/NDF : 3685.9/21

Right Out: 115.632 ± 1.361 χ^2/NDF : 2137.6/18

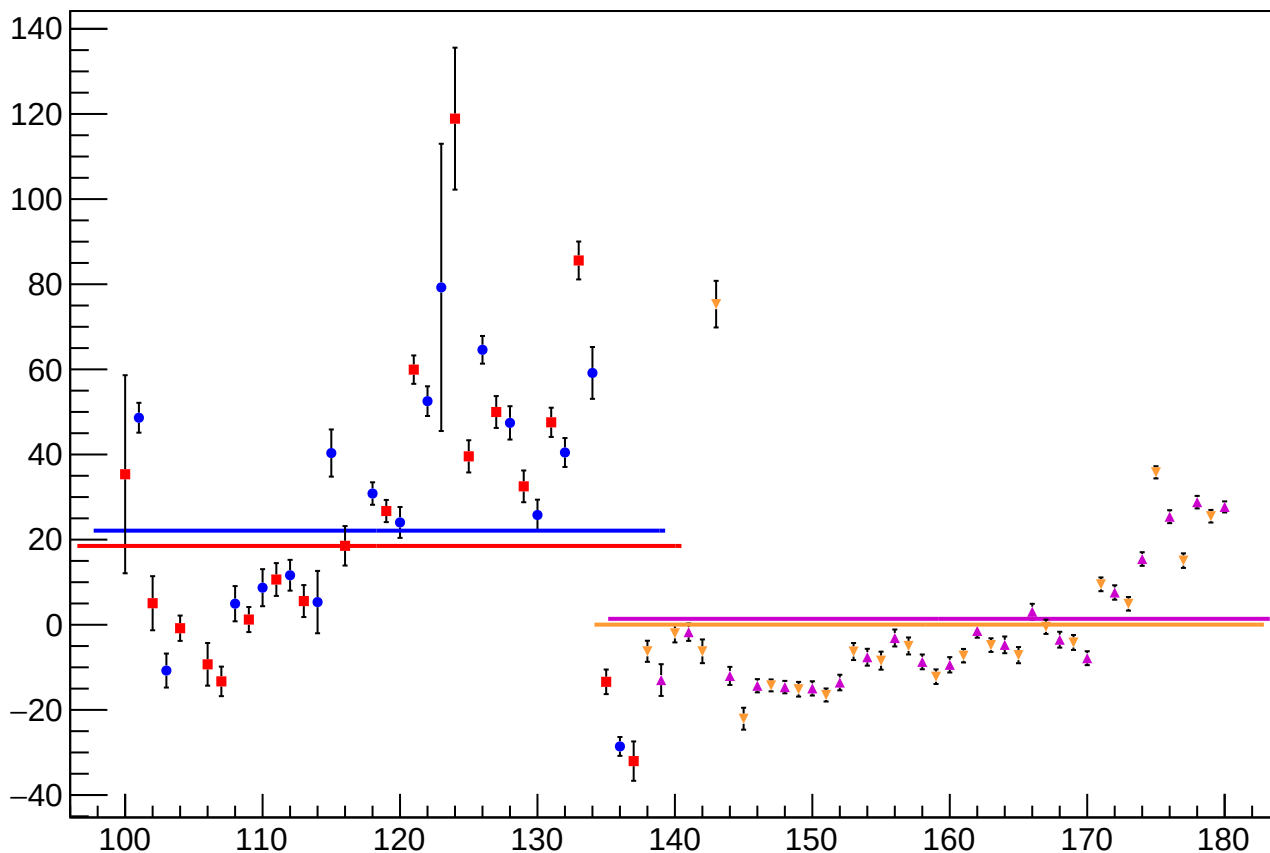
Left In: 55.016 ± 0.423 χ^2/NDF : 1551.9/20

+ sign 61.363 ± 0.422 χ^2/NDF : 7551.7/38

All: 60.842 ± 0.292 χ^2/NDF : 13052.7/78

- sign 60.364 ± 0.404 χ^2/NDF : 5498.0/39

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: 0.033 $\pm$ 0.383 χ^2 /NDF:1743.1/21

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

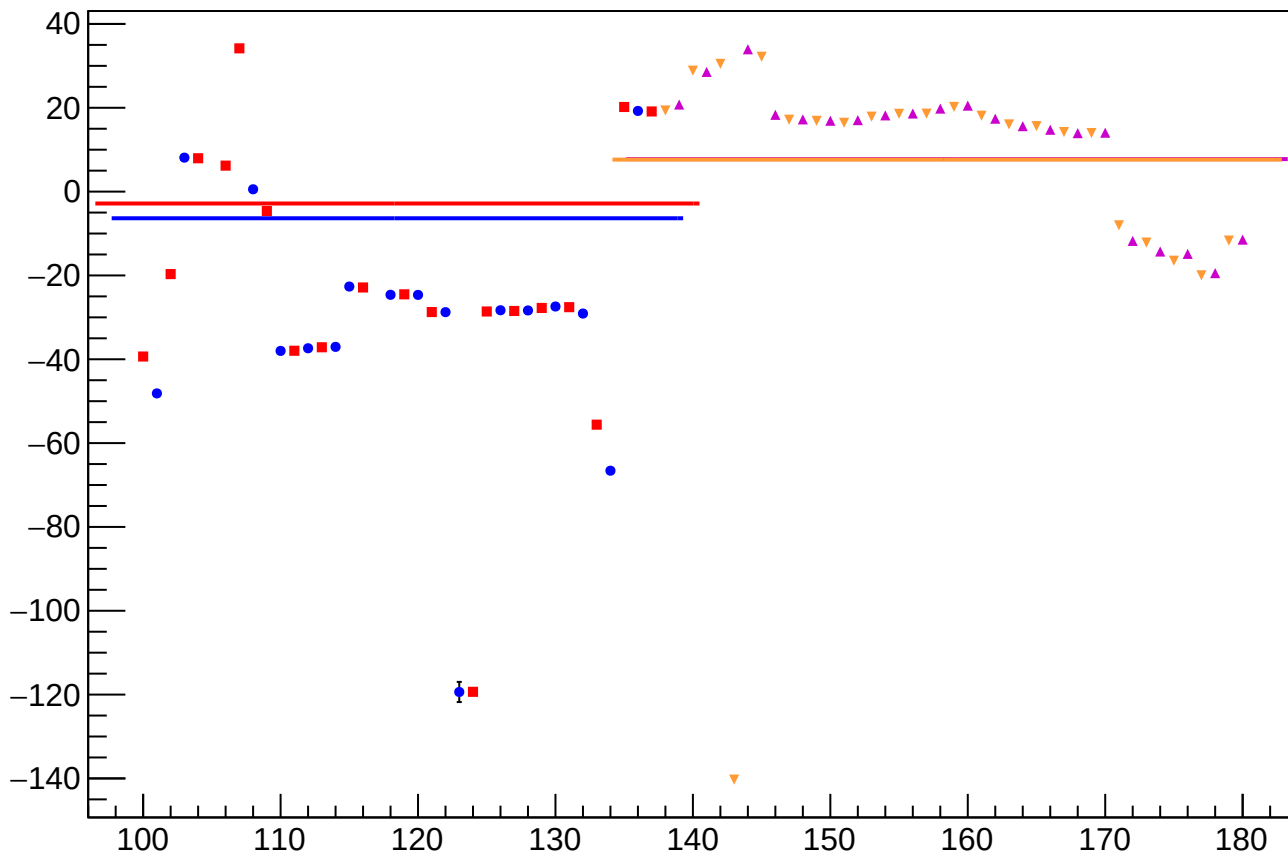
Left In: 1.396 $\pm$ 0.377 χ^2 /NDF:1683.9/20

+ sign 3.428 $\pm$ 0.352 χ^2 /NDF: 3324.7/38

All: 3.769 $\pm$ 0.247 χ^2 /NDF: 6404.5/78

- sign 4.098 $\pm$ 0.346 χ^2 /NDF: 3077.9/39

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 7.634 ± 0.018 $\chi^2/\text{NDF}: 1049258.1/21$

Right Out: -2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

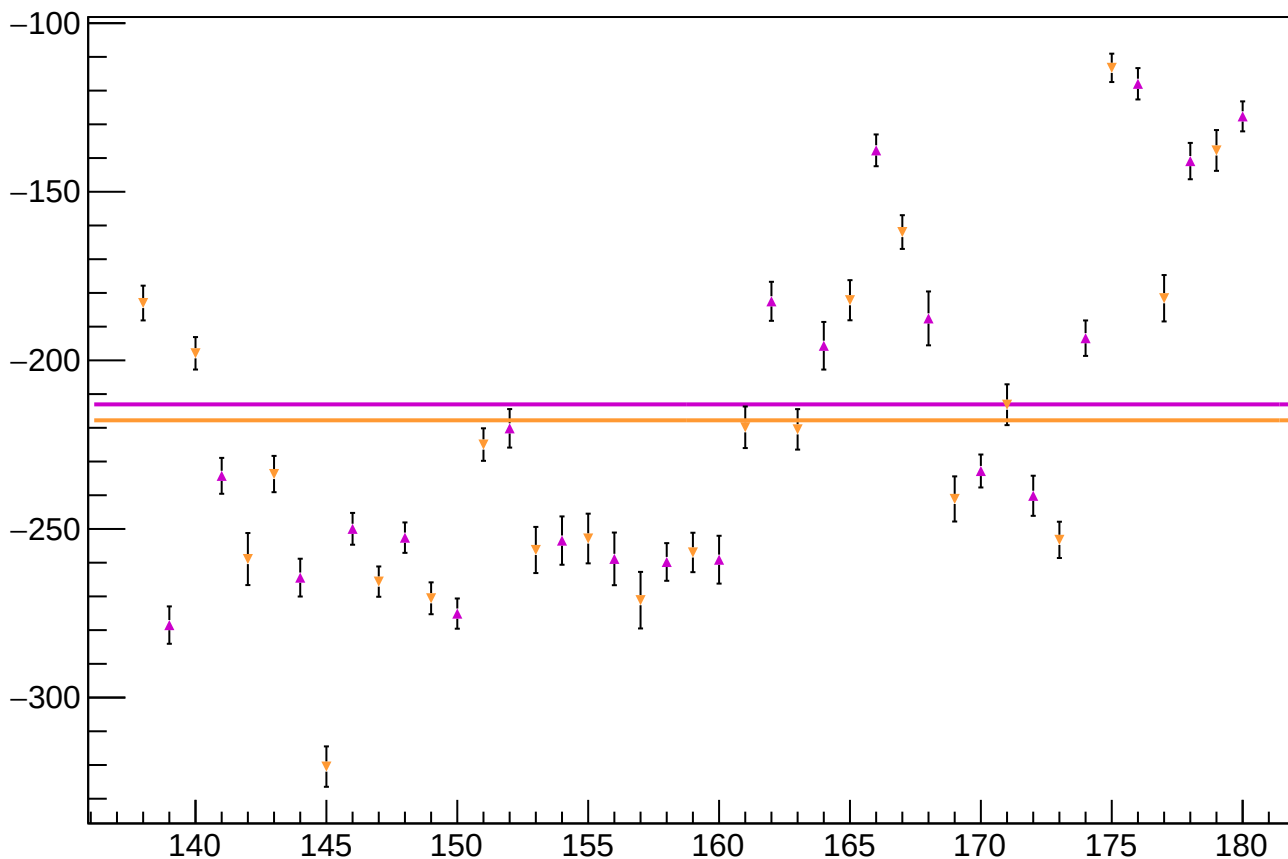
Left In: 7.755 ± 0.017 $\chi^2/\text{NDF}: 834475.2/20$

+ sign 5.857 ± 0.017 $\chi^2/\text{NDF}: 1393715.0/38$

All: 6.163 ± 0.012 $\chi^2/\text{NDF}: 2541447.7/78$

- sign 6.452 ± 0.016 $\chi^2/\text{NDF}: 1147065.2/39$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -217.779+/-1.202 χ^2/NDF :1810.4/21

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

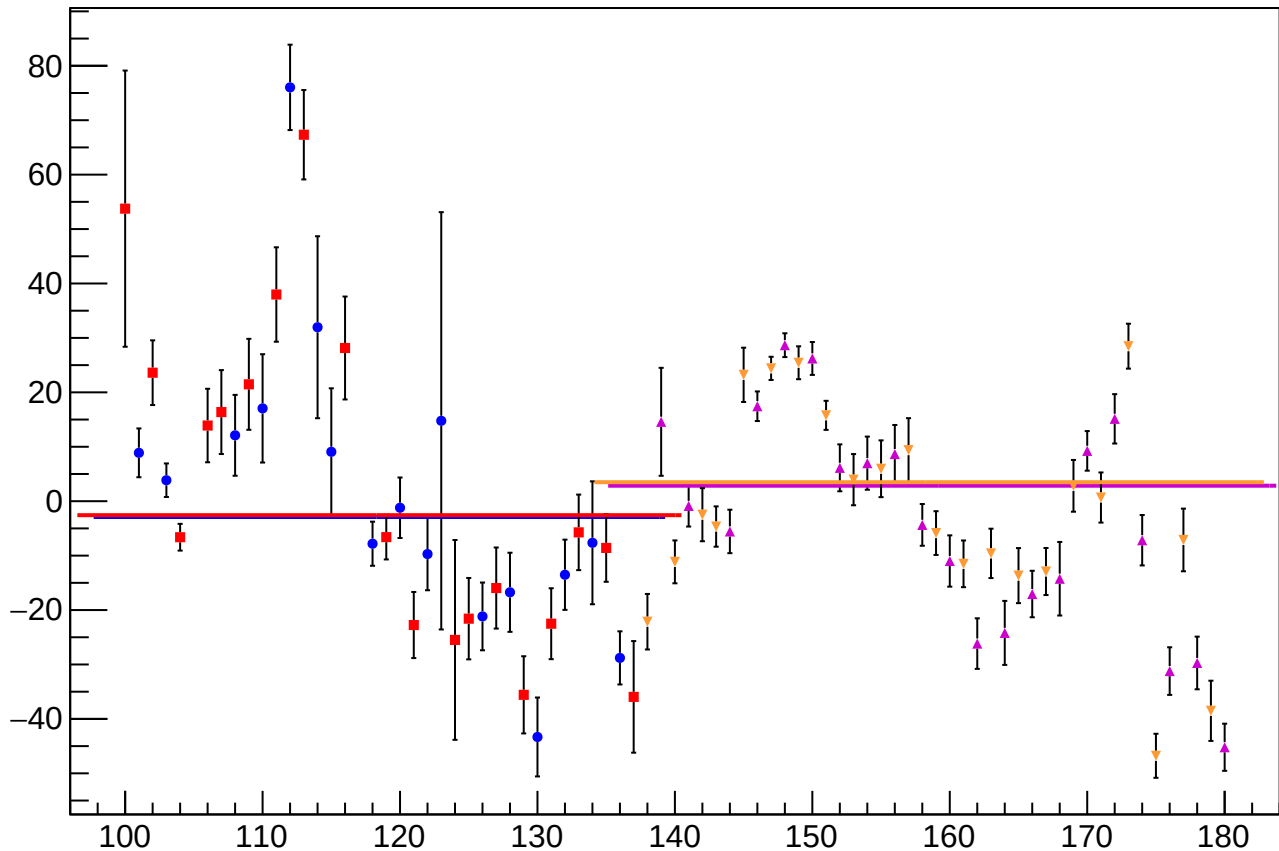
Left In: -213.054+/-1.187 χ^2/NDF :2065.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -215.386+/-0.845 χ^2/NDF : 3883.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 3.489 ± 0.854 χ^2/NDF : 536.9/21

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

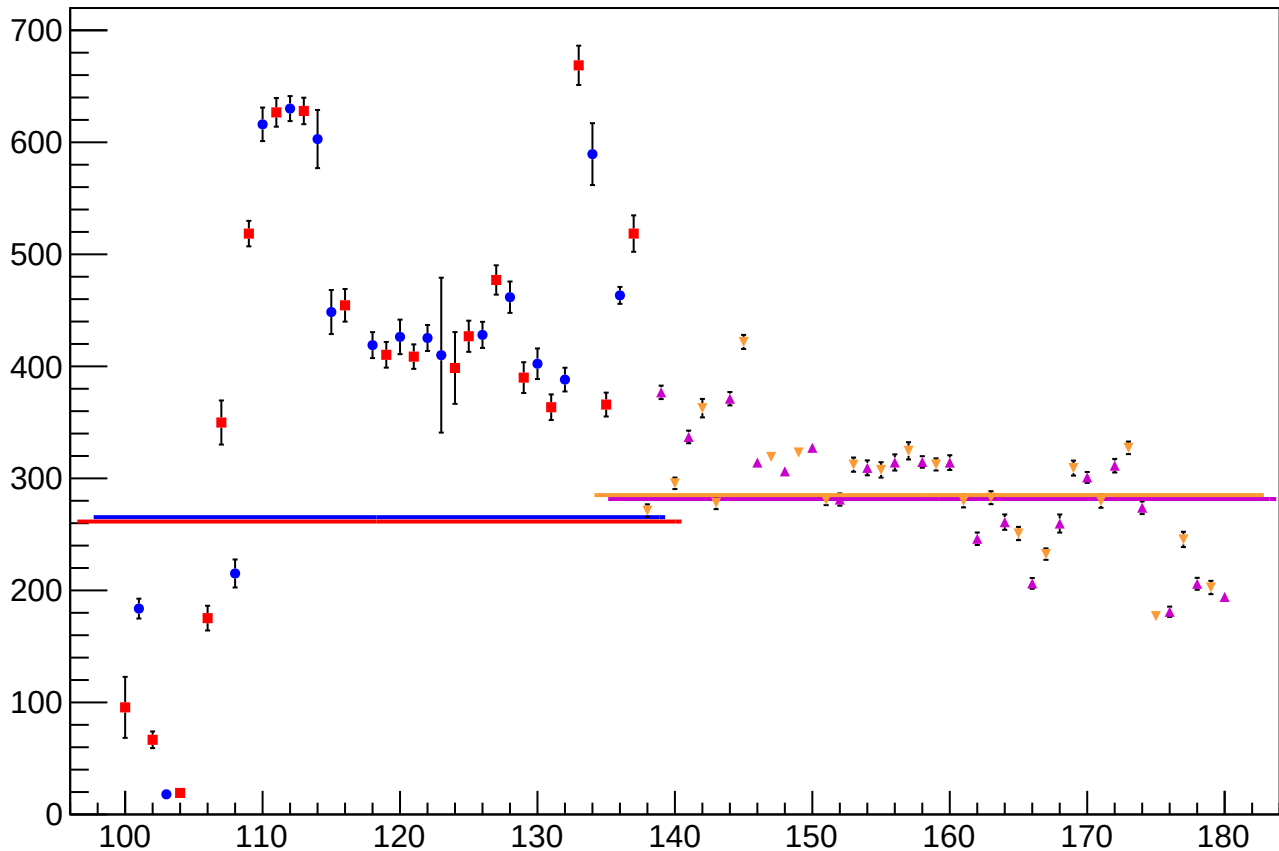
Left In: 2.847 ± 0.873 χ^2/NDF : 582.0/20

+ sign 1.872 ± 0.738 χ^2/NDF : 754.7/38

All: 1.599 ± 0.523 χ^2/NDF : 1566.0/78

- sign 1.324 ± 0.740 χ^2/NDF : 811.0/39

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 285.076 $\pm$ 1.191 χ^2 /NDF:1892.4/21

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

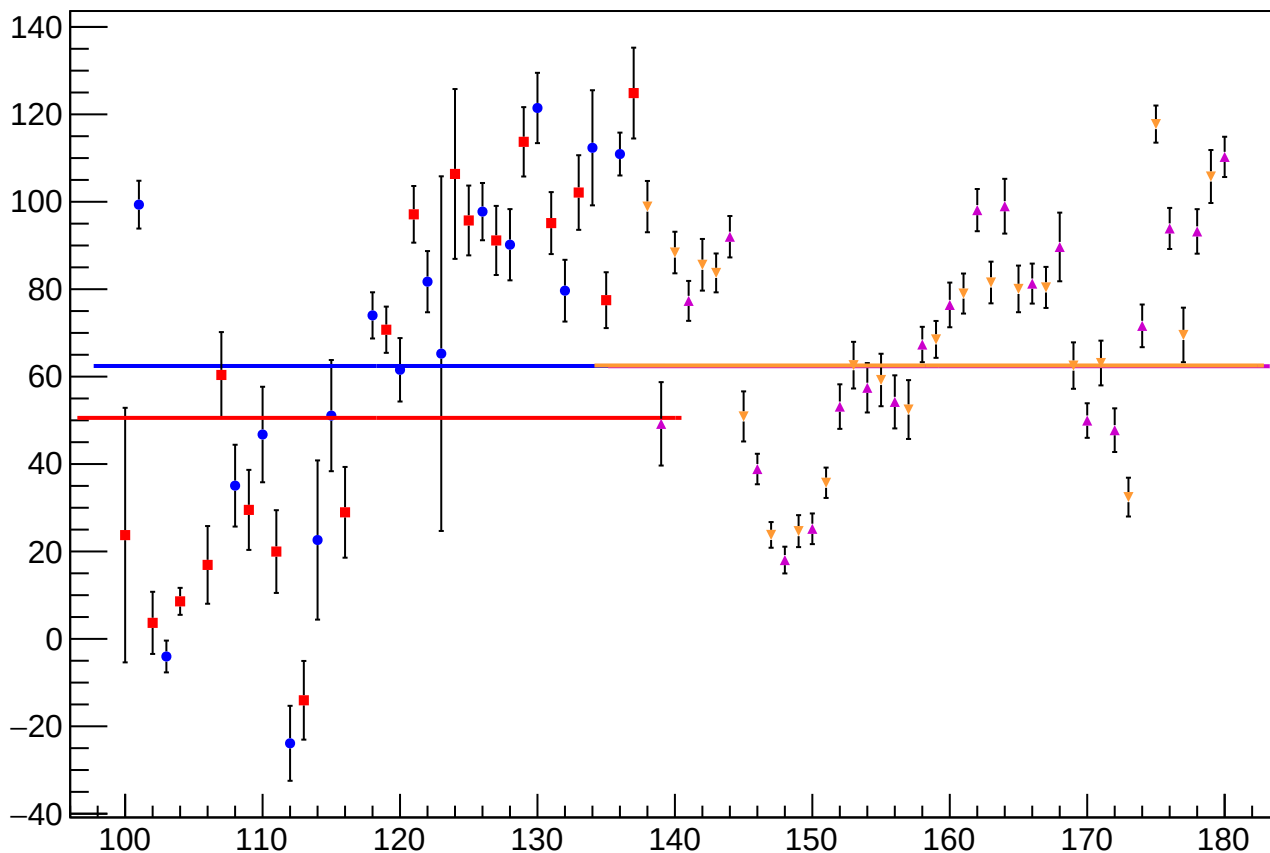
Left In: 281.581 $\pm$ 1.171 χ^2 /NDF:2291.9/20

+ sign 281.404 $\pm$ 1.074 χ^2 /NDF: 9577.2/38

All: 279.604 $\pm$ 0.753 χ^2 /NDF: 20133.5/78

- sign 277.860 $\pm$ 1.057 χ^2 /NDF: 10550.8/39

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 62.552 $\pm$ 0.999 χ^2 /NDF: 776.9/21

Right Out: 50.560 $\pm$ 1.642 χ^2 /NDF: 657.4/18

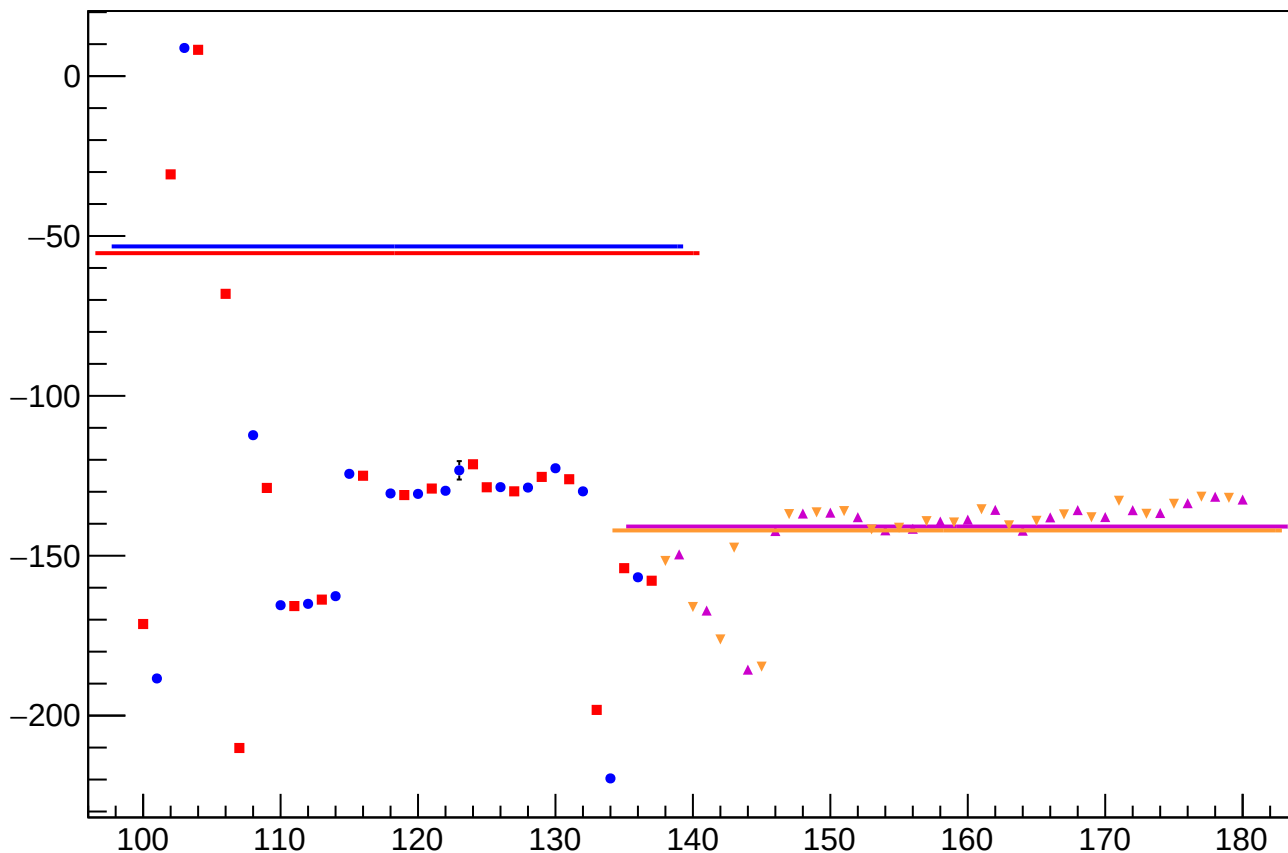
Left In: 62.377 $\pm$ 1.010 χ^2 /NDF: 764.5/20

+ sign 62.521 $\pm$ 0.860 χ^2 /NDF: 1498.7/38

All: 60.827 $\pm$ 0.608 χ^2 /NDF: 2965.9/78

- sign 59.132 $\pm$ 0.861 χ^2 /NDF: 1459.4/39

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 ± 0.070 χ^2/NDF : 1225492.9/16

Left Out: -142.090 ± 0.048 χ^2/NDF : 65535.1/21

Right Out: -55.373 ± 0.072 χ^2/NDF : 967027.2/18

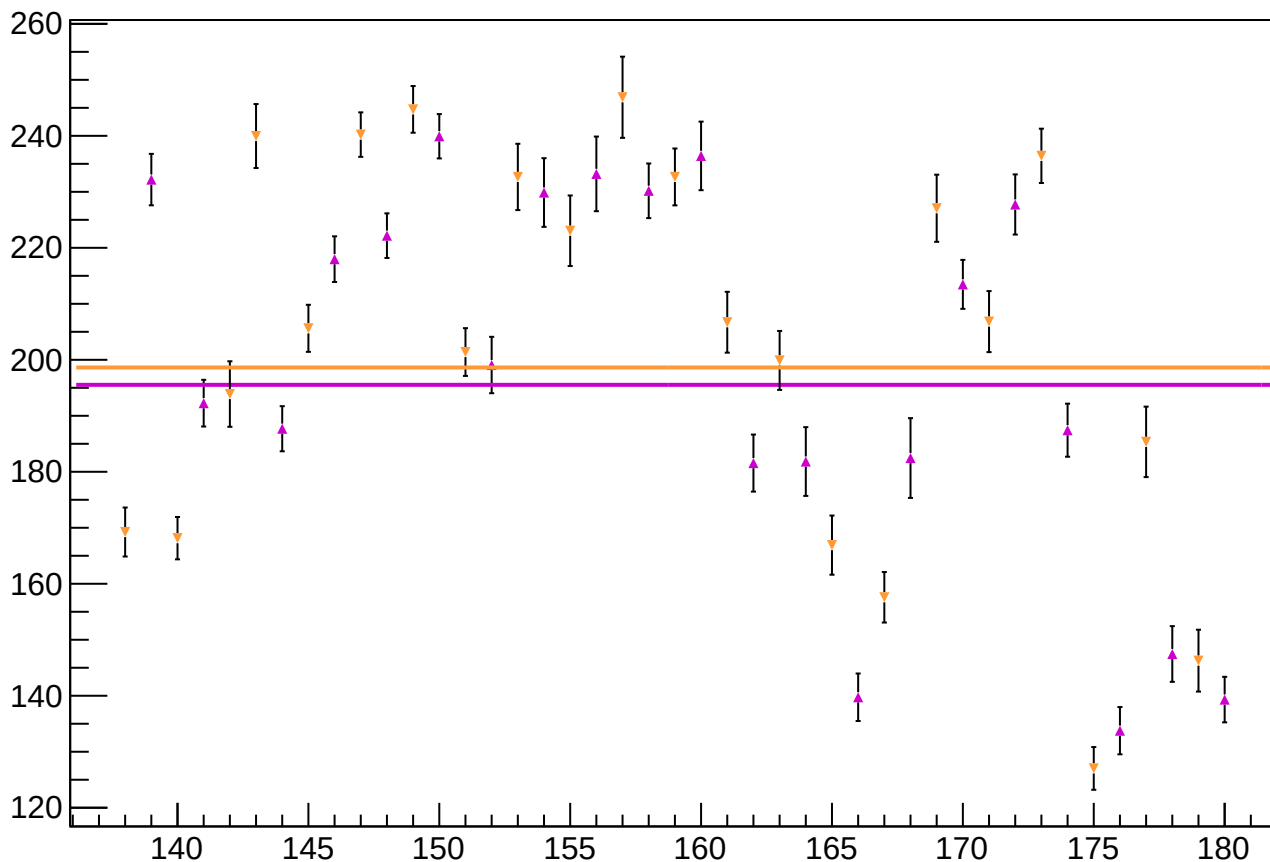
Left In: -140.873 ± 0.047 χ^2/NDF : 51809.7/20

+ sign -113.848 ± 0.040 χ^2/NDF : 2376492.3/38

All: -114.417 ± 0.028 χ^2/NDF : 4380242.0/78

- sign -114.982 ± 0.040 χ^2/NDF : 2003340.8/39

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 198.625+/-1.047 χ^2/NDF : 1187.8/21

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

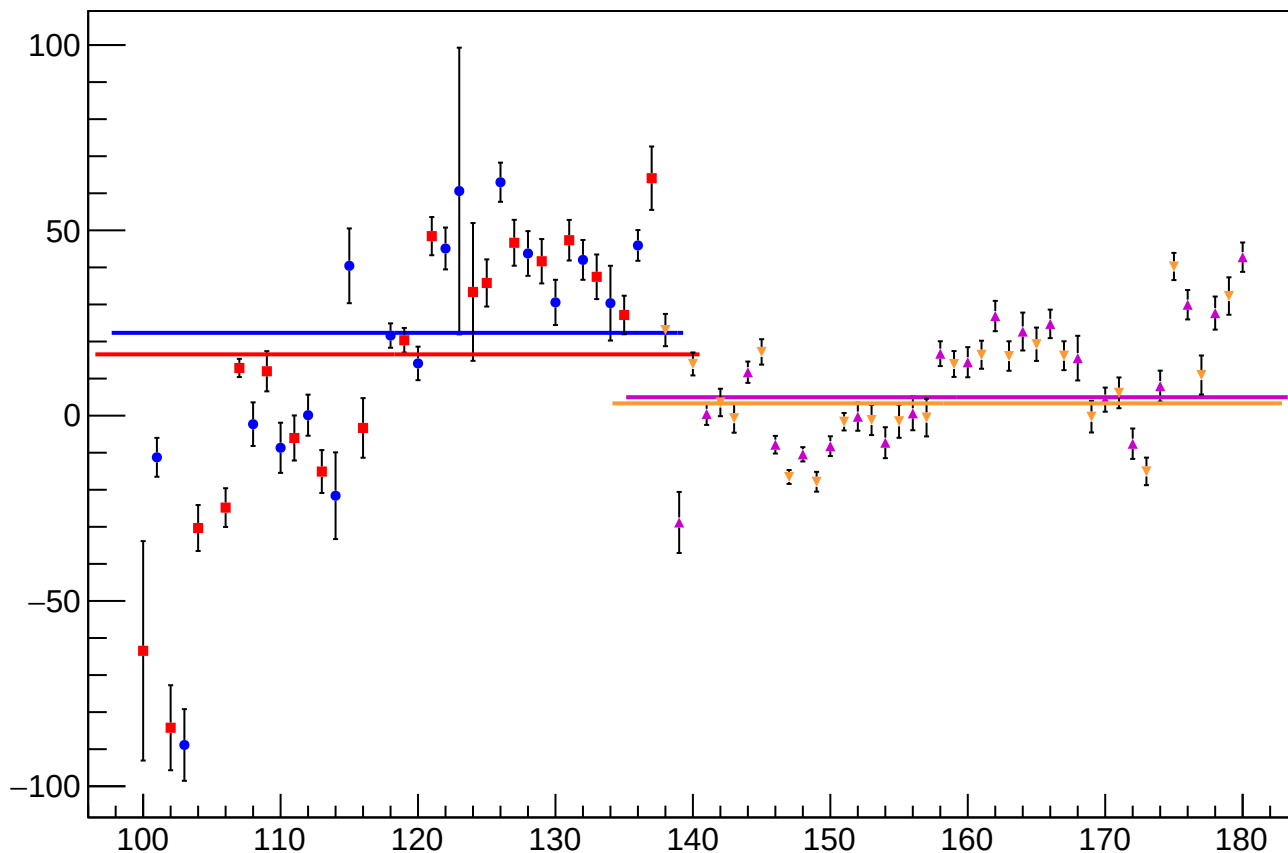
Left In: 195.529+/-1.032 χ^2/NDF : 1171.3/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 197.053+/-0.735 χ^2/NDF : 2363.5/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: 3.313 $\pm$ 0.746 χ^2 /NDF: 447.8/21

Right Out: 16.537 $\pm$ 1.227 χ^2 /NDF: 426.6/18

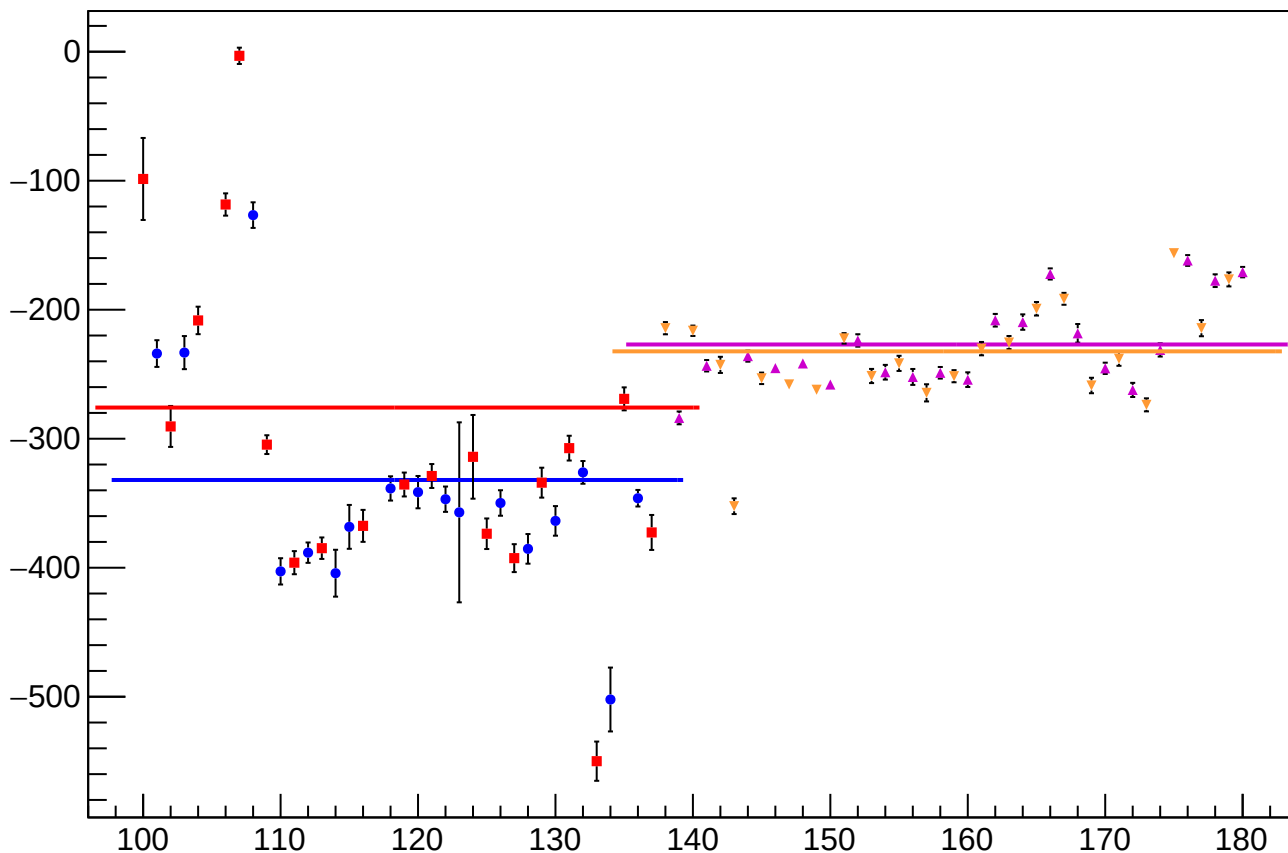
Left In: 4.975 $\pm$ 0.758 χ^2 /NDF: 407.2/20

+ sign 7.544 $\pm$ 0.658 χ^2 /NDF: 978.3/38

All: 7.862 $\pm$ 0.461 χ^2 /NDF: 1876.8/78

- sign 8.168 $\pm$ 0.645 χ^2 /NDF: 898.1/39

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 χ^2/NDF : 785.0/16

Left Out: -232.273 ± 1.040 χ^2/NDF : 1328.2/21

Right Out: -275.842 ± 2.325 χ^2/NDF : 3362.2/18

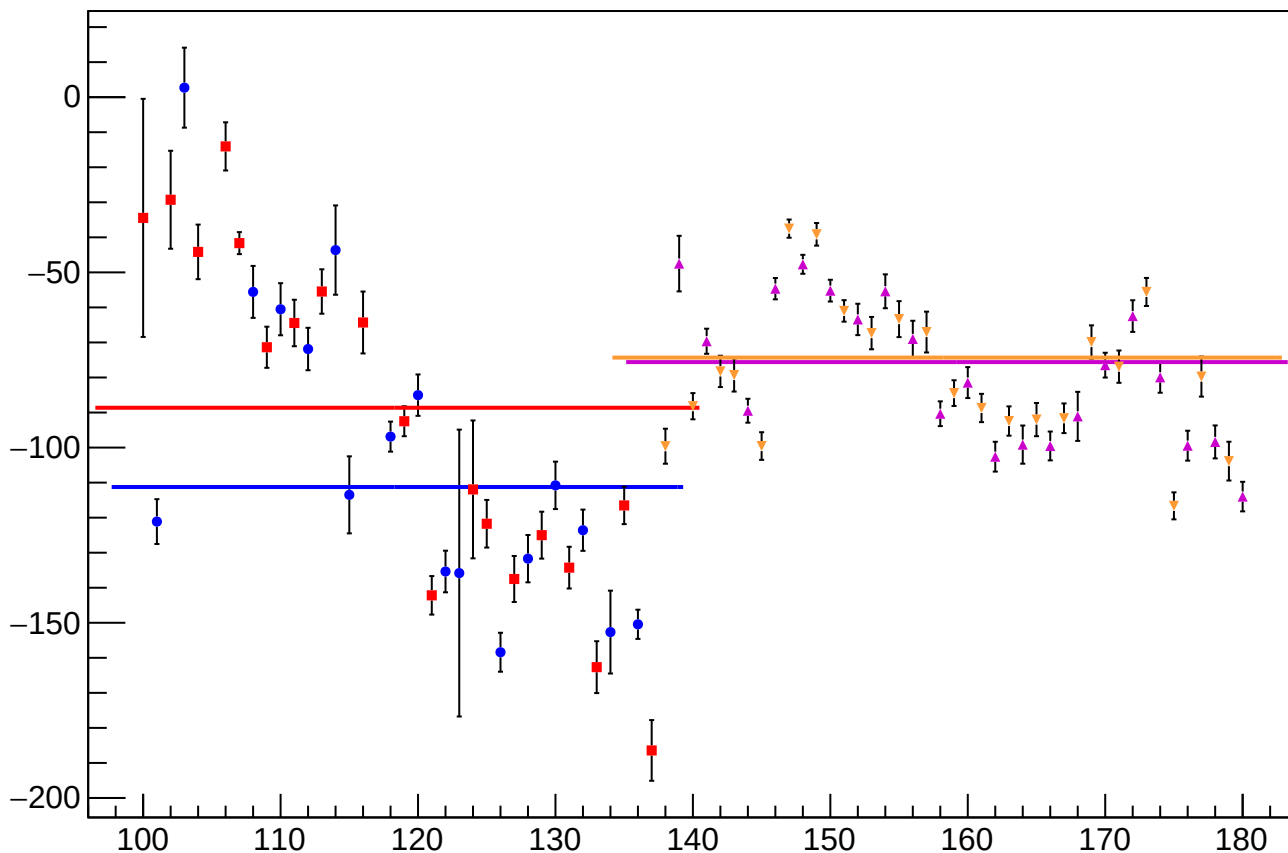
Left In: -226.948 ± 1.020 χ^2/NDF : 1115.0/20

+ sign -246.202 ± 0.964 χ^2/NDF : 3398.0/38

All: -240.343 ± 0.671 χ^2/NDF : 8317.8/78

- sign -234.845 ± 0.934 χ^2/NDF : 4848.2/39

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -74.317 ± 0.873 $\chi^2/\text{NDF}: 671.7/21$

Right Out: -88.633 ± 1.433 $\chi^2/\text{NDF}: 971.0/18$

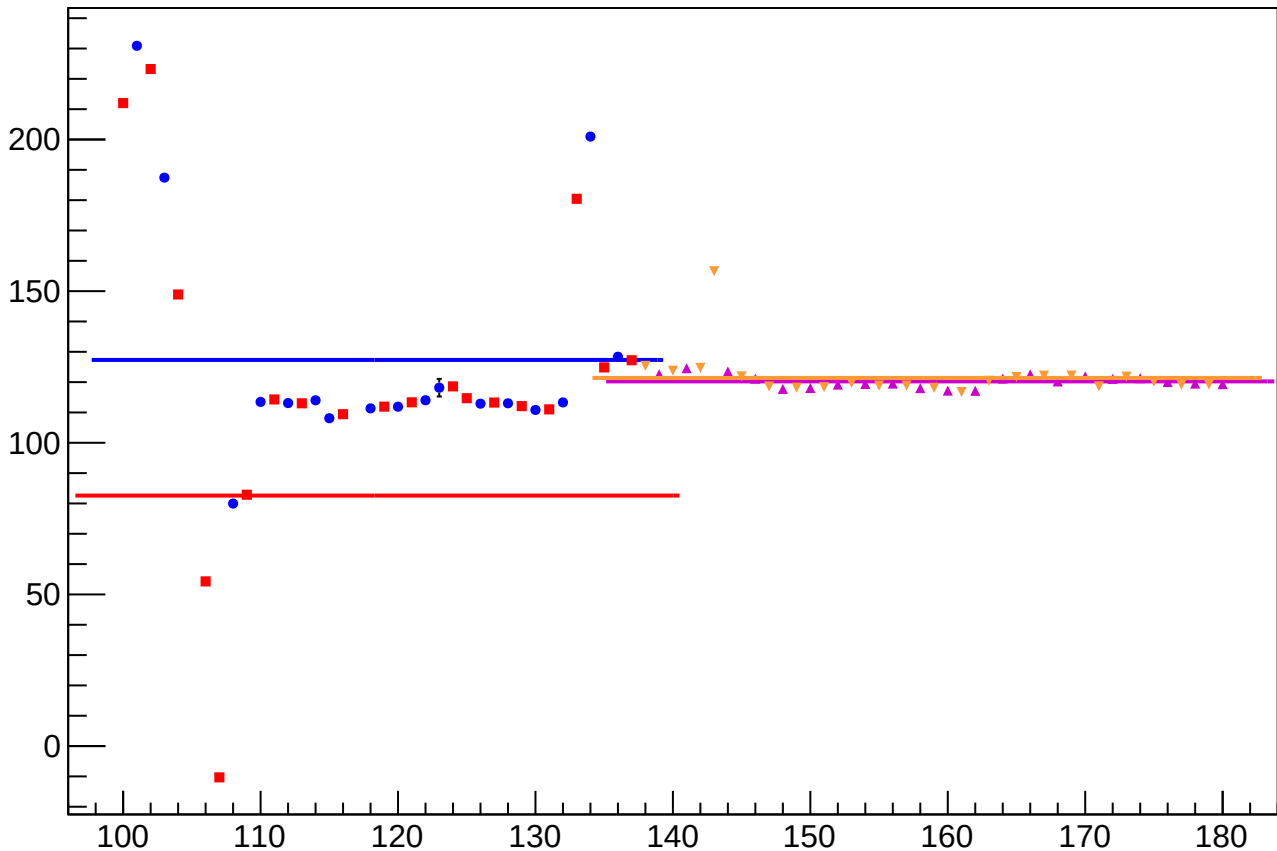
Left In: -75.607 ± 0.878 $\chi^2/\text{NDF}: 519.8/20$

+ sign -82.812 ± 0.766 $\chi^2/\text{NDF}: 1593.2/38$

All: -80.947 ± 0.535 $\chi^2/\text{NDF}: 3155.6/78$

- sign -79.164 ± 0.749 $\chi^2/\text{NDF}: 1550.9/39$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 121.385+/-0.042 χ^2/NDF : 24163.8/21

Right Out: 82.595+/-0.075 χ^2/NDF : 765022.5/18

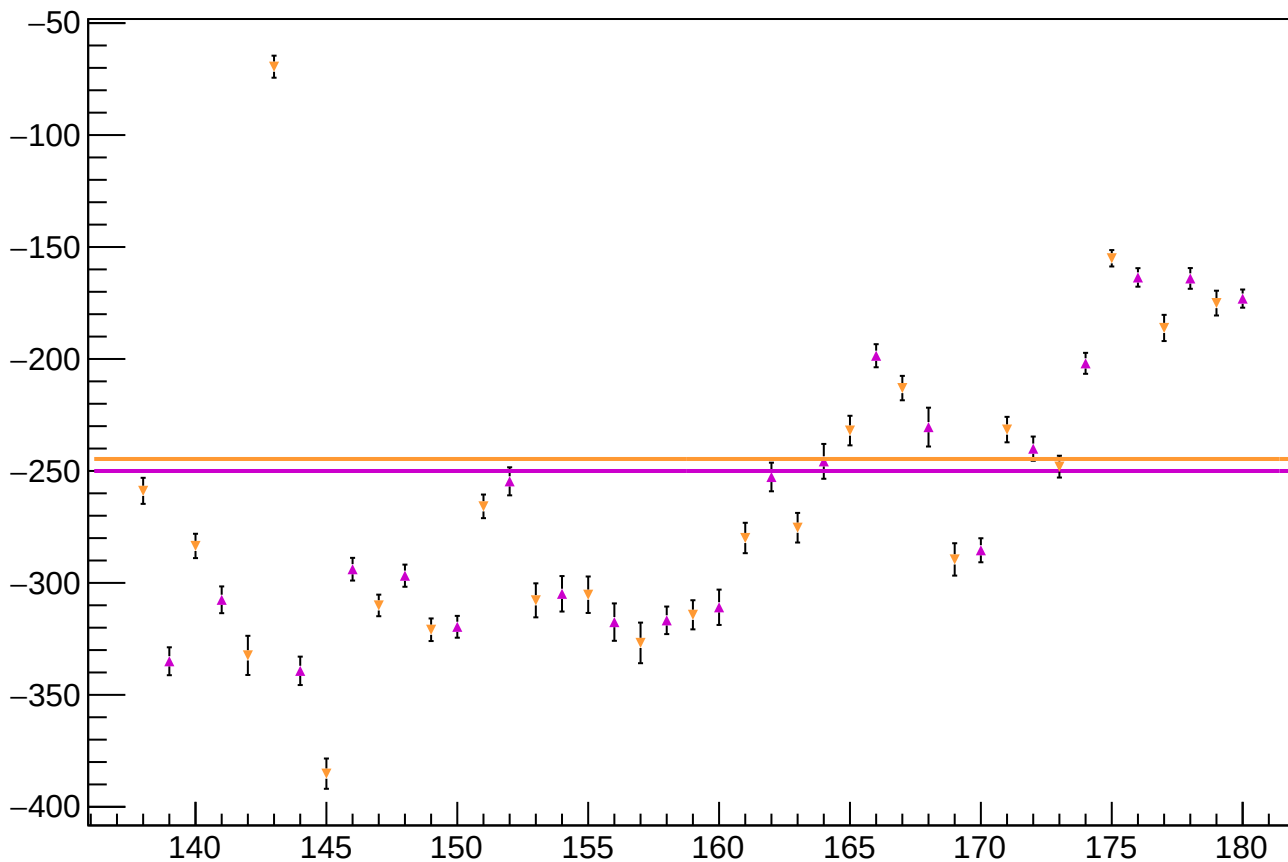
Left In: 120.242+/-0.041 χ^2/NDF : 2596.9/20

+ sign 122.455+/-0.038 χ^2/NDF : 215553.4/38

All: 116.750+/-0.026 χ^2/NDF : 1218262.3/78

- sign 111.565+/-0.036 χ^2/NDF : 959592.5/39

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -244.657 ± 1.235 χ^2/NDF : 3591.9/21

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

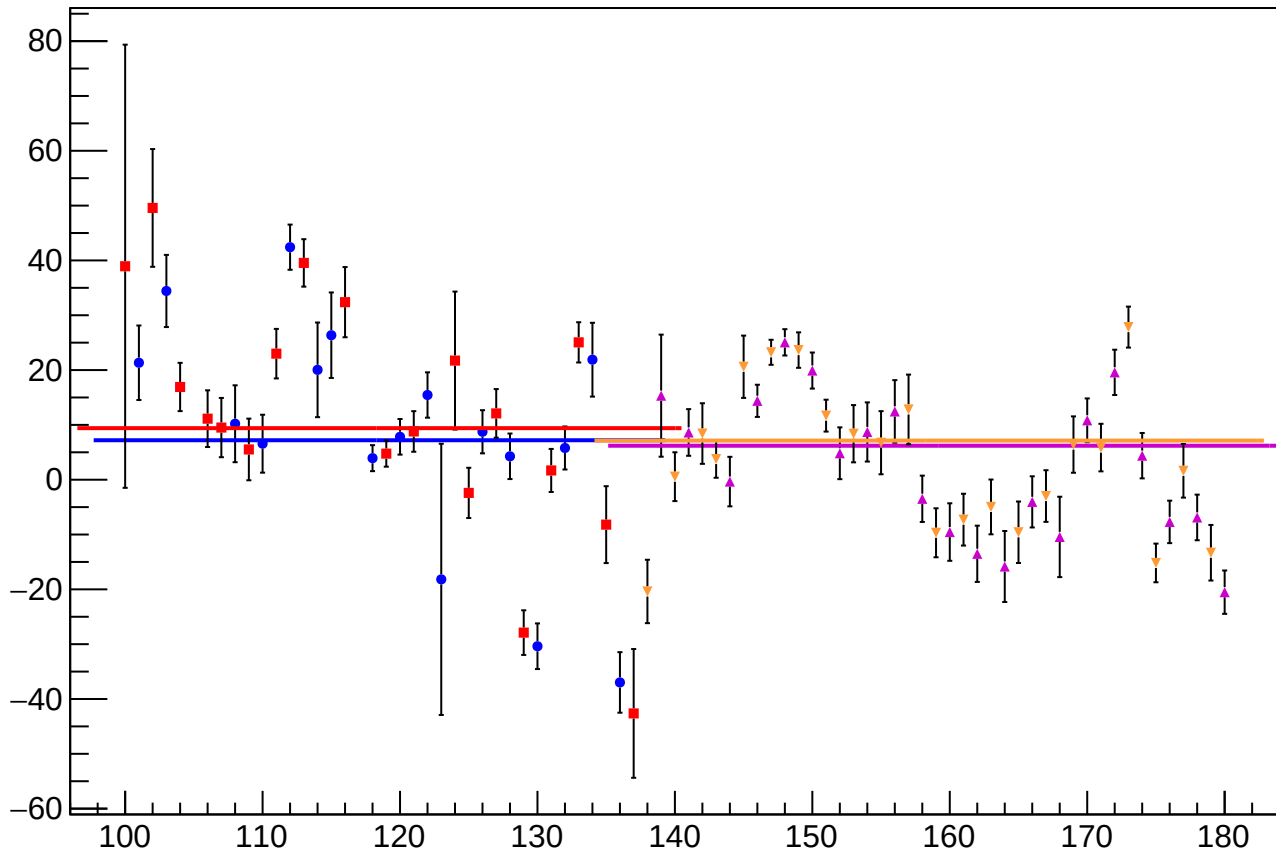
Left In: -250.027 ± 1.221 χ^2/NDF : 2534.9/20

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -247.373 ± 0.868 χ^2/NDF : 6136.3/42

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 7.135 ± 0.890 χ^2/NDF : 241.9/21

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

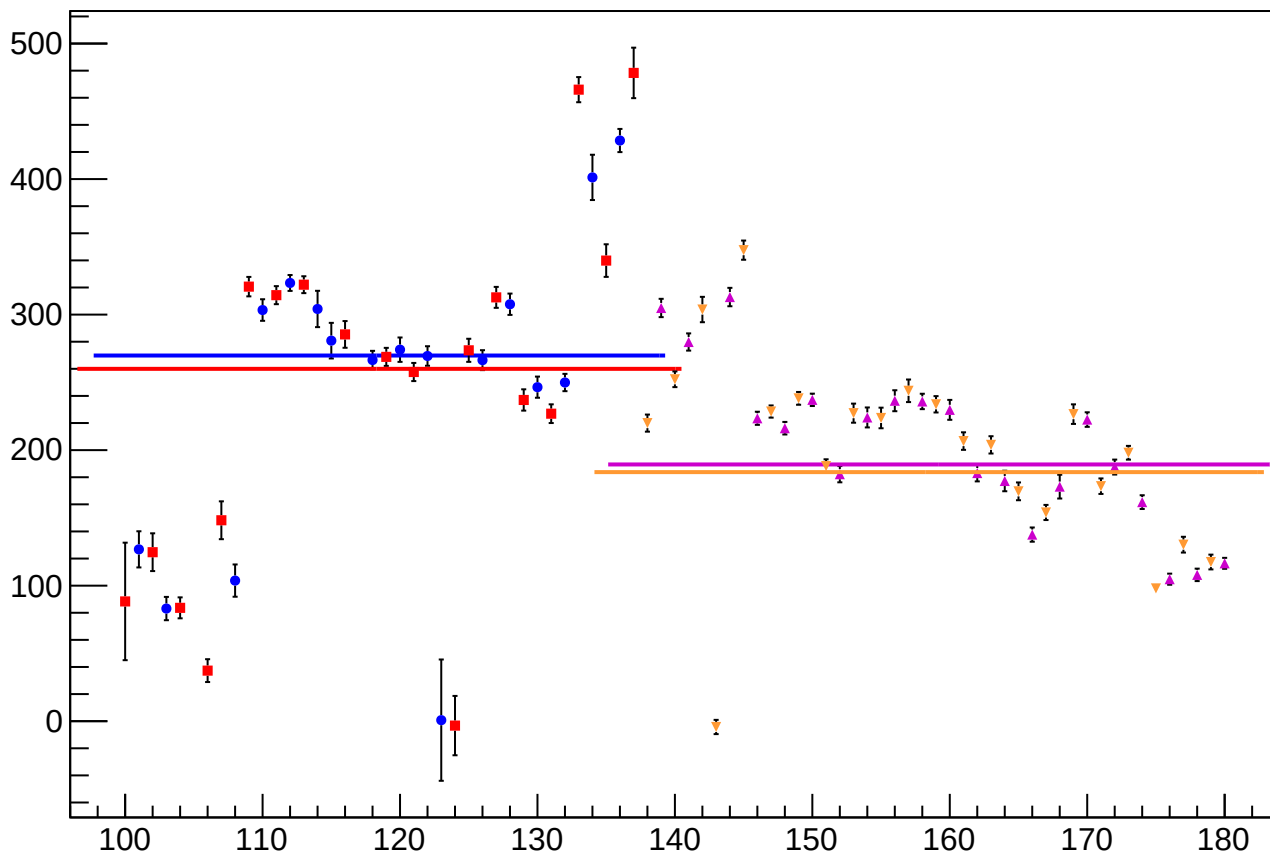
Left In: 6.200 ± 0.916 χ^2/NDF : 222.5/20

+ sign 7.160 ± 0.693 χ^2/NDF : 502.7/38

All: 7.356 ± 0.491 χ^2/NDF : 962.7/78

- sign 7.553 ± 0.696 χ^2/NDF : 459.8/39

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 183.781 $\pm$ 1.225 χ^2 /NDF: 3456.0/21

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

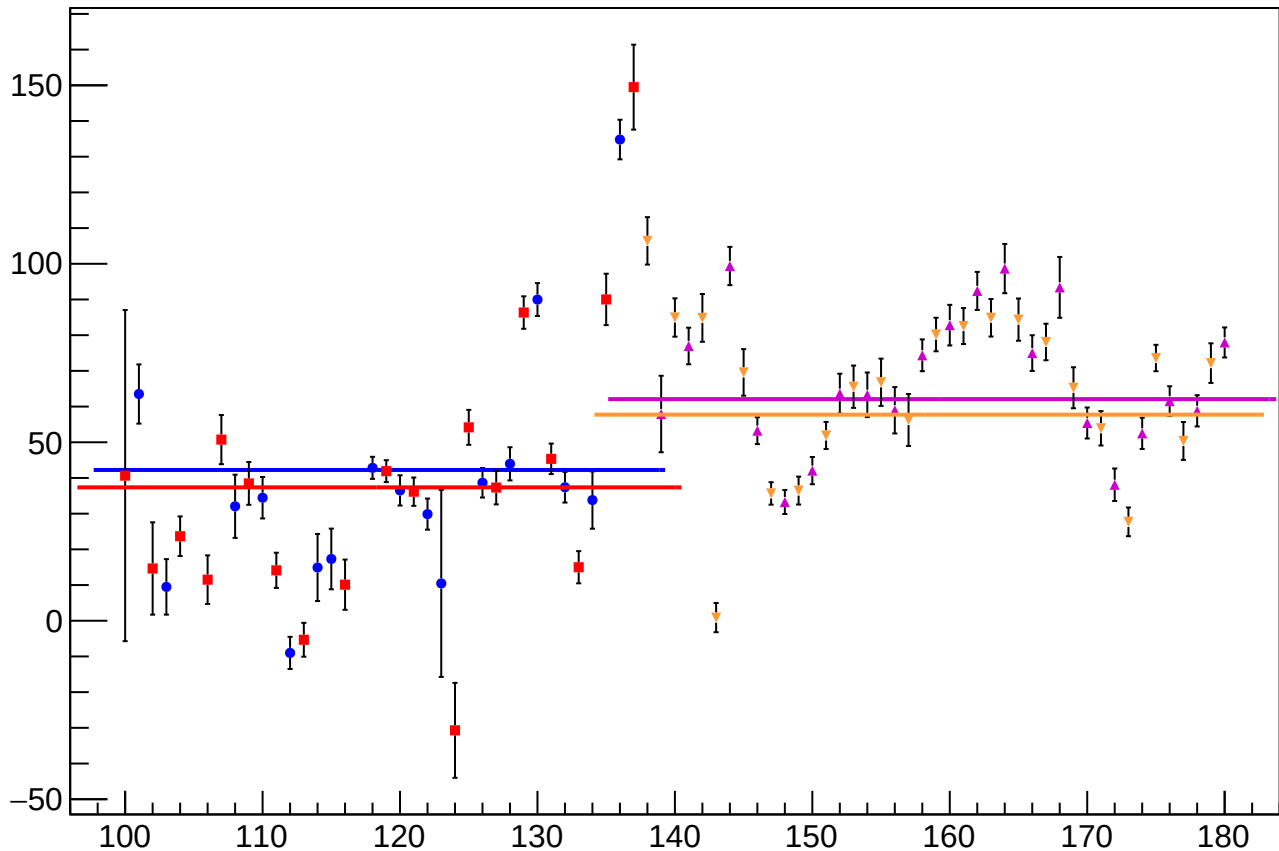
Left In: 189.432 $\pm$ 1.207 χ^2 /NDF: 2416.8/20

+ sign 205.803 $\pm$ 1.057 χ^2 /NDF: 6091.6/38

All: 207.237 $\pm$ 0.738 χ^2 /NDF: 11978.1/78

- sign 208.600 $\pm$ 1.030 χ^2 /NDF: 5882.9/39

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 57.735 $\pm$ 1.035 χ^2 /NDF: 572.0/21

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

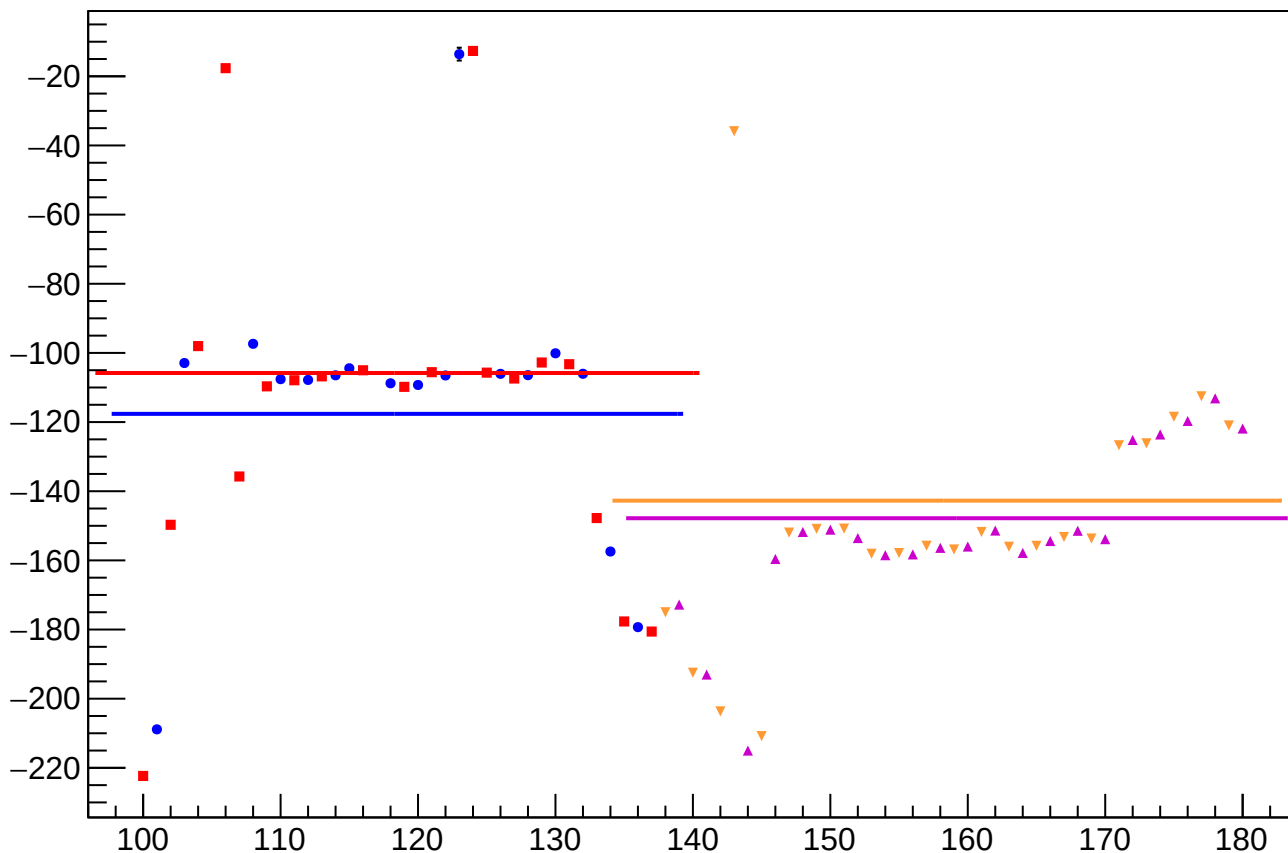
Left In: 62.083 $\pm$ 1.053 χ^2 /NDF: 315.4/20

+ sign 51.570 $\pm$ 0.803 χ^2 /NDF: 1235.5/38

All: 51.625 $\pm$ 0.567 χ^2 /NDF: 2255.3/78

- sign 51.679 $\pm$ 0.801 χ^2 /NDF: 1019.8/39

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -142.723+/-0.050 χ^2/NDF : 485157.5/21

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

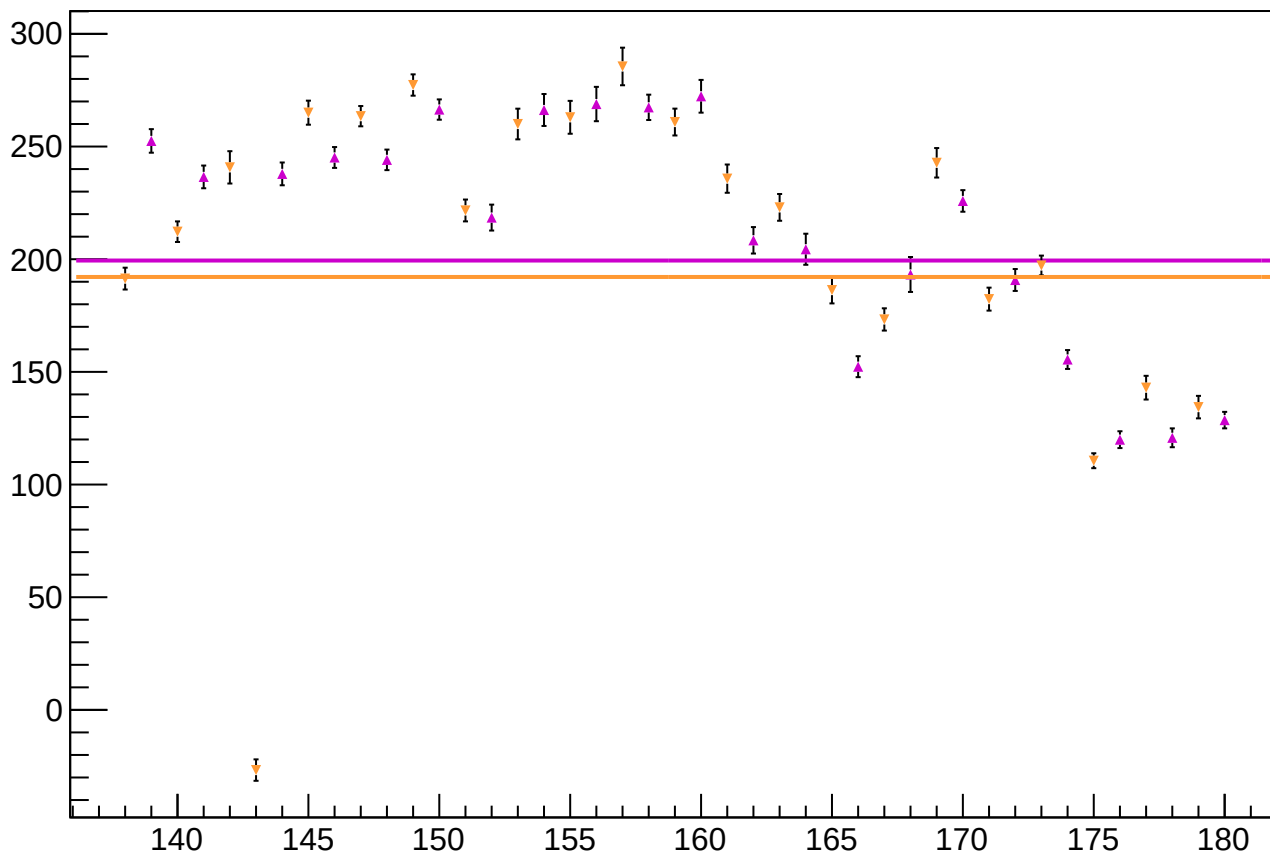
Left In: -147.808+/-0.049 χ^2/NDF : 202698.0/20

+ sign -135.551+/-0.042 χ^2/NDF : 699989.3/38

All: -135.079+/-0.029 χ^2/NDF : 1454399.3/78

- sign -134.633+/-0.041 χ^2/NDF : 754163.8/39

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 192.119+/-1.109 χ^2/NDF : 4419.1/21

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

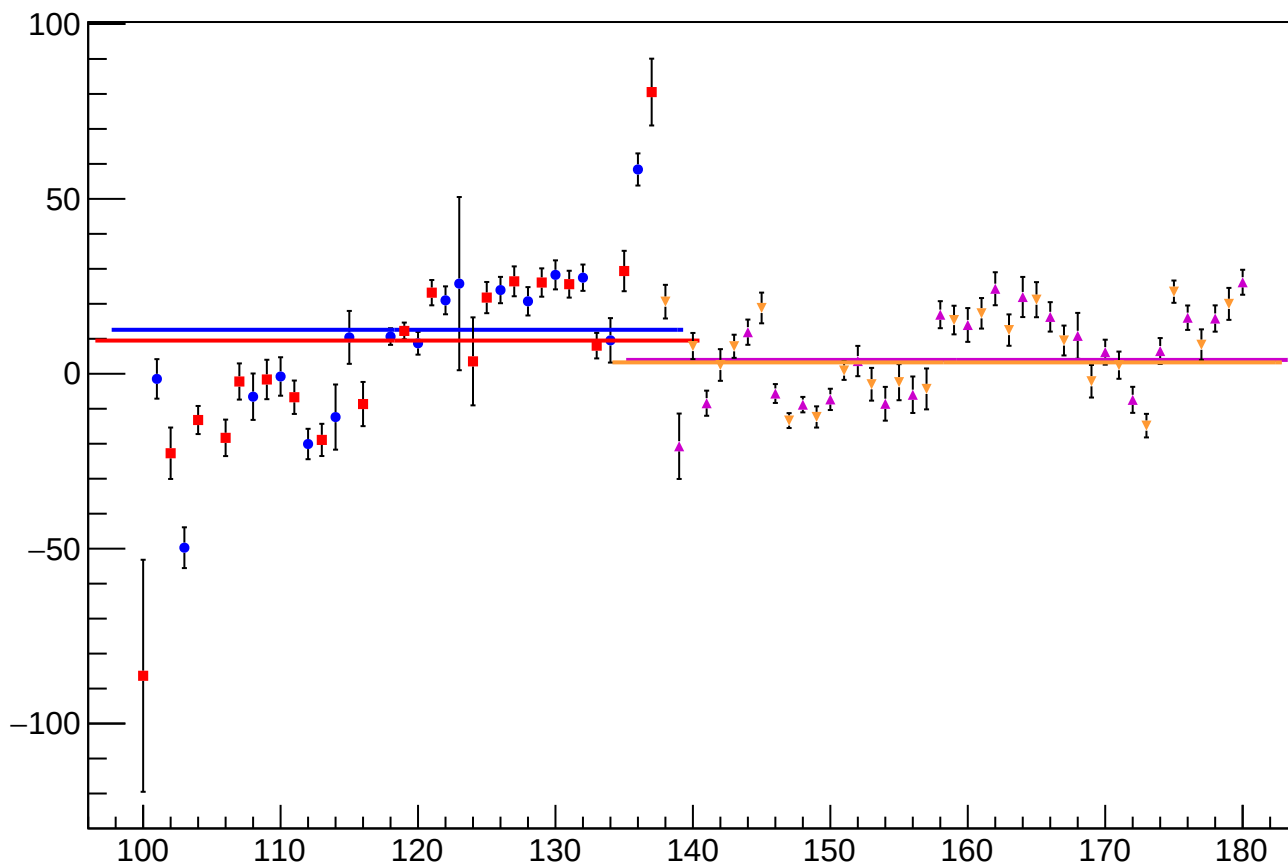
Left In: 199.415+/-1.093 χ^2/NDF : 2491.2/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 195.818+/-0.779 χ^2/NDF : 6932.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 $\pm$ 1.074 χ^2/NDF : 348.0/16

Left Out: 3.255 $\pm$ 0.805 χ^2/NDF : 245.3/21

Right Out: 9.493 $\pm$ 1.047 χ^2/NDF : 295.8/18

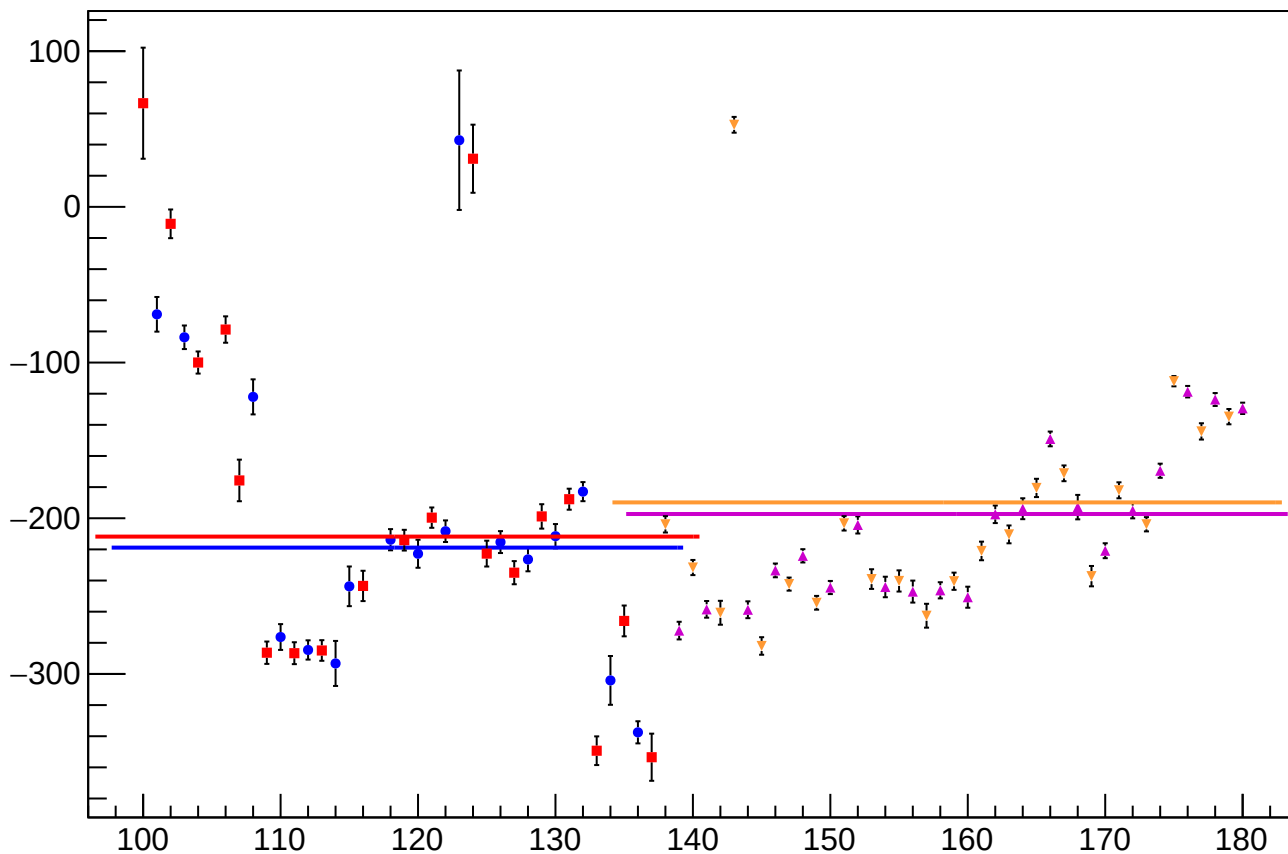
Left In: 3.962 $\pm$ 0.825 χ^2/NDF : 218.4/20

+ sign 6.608 $\pm$ 0.644 χ^2/NDF : 641.5/38

All: 6.346 $\pm$ 0.457 χ^2/NDF : 1173.3/78

- sign 6.080 $\pm$ 0.648 χ^2/NDF : 531.4/39

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -189.823 ± 1.103 $\chi^2/\text{NDF}: 4260.2/21$

Right Out: -211.780 ± 1.924 $\chi^2/\text{NDF}: 1885.2/18$

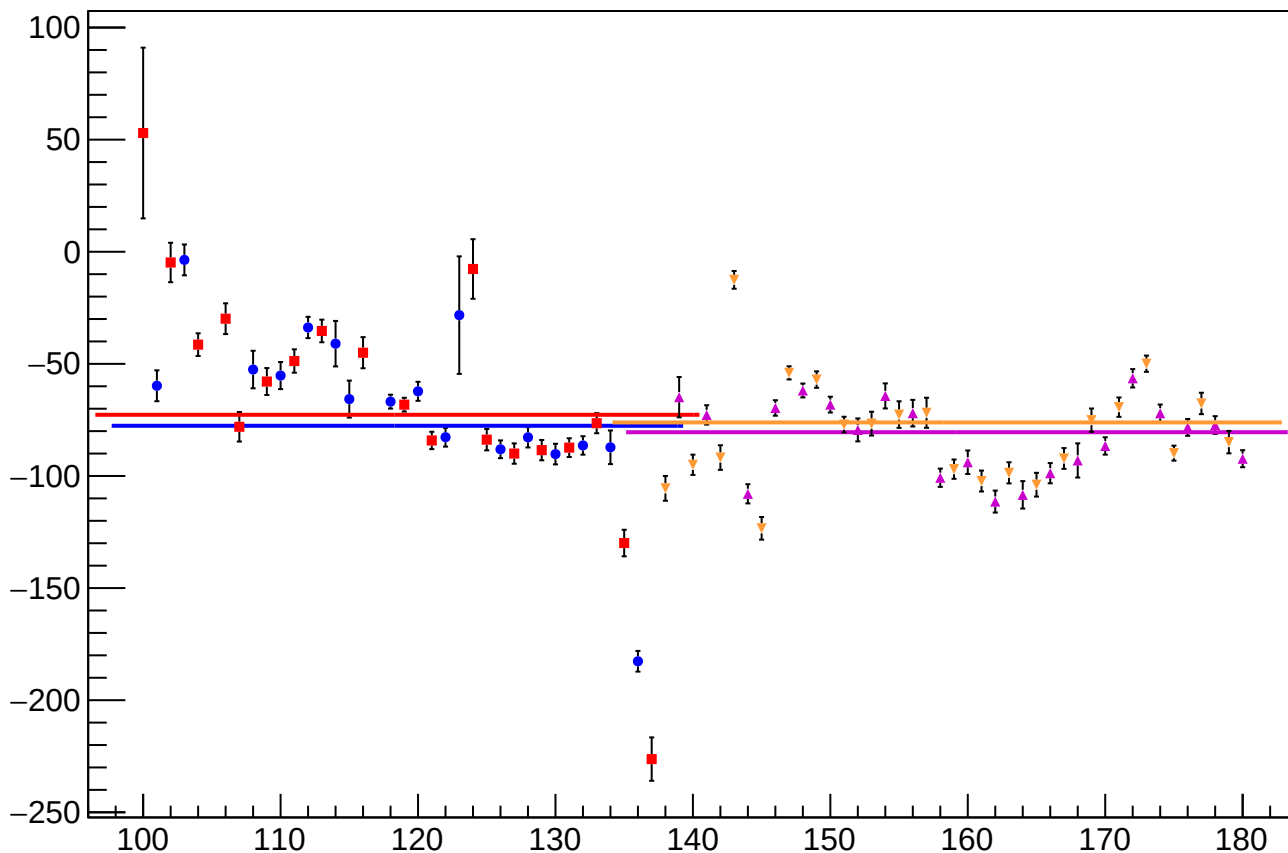
Left In: -197.273 ± 1.084 $\chi^2/\text{NDF}: 2199.7/20$

+ sign -196.480 ± 0.968 $\chi^2/\text{NDF}: 5565.6/38$

All: -198.679 ± 0.676 $\chi^2/\text{NDF}: 9703.7/78$

- sign -200.770 ± 0.944 $\chi^2/\text{NDF}: 4128.1/39$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -76.118 ± 0.935 χ^2/NDF : 679.9/21

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

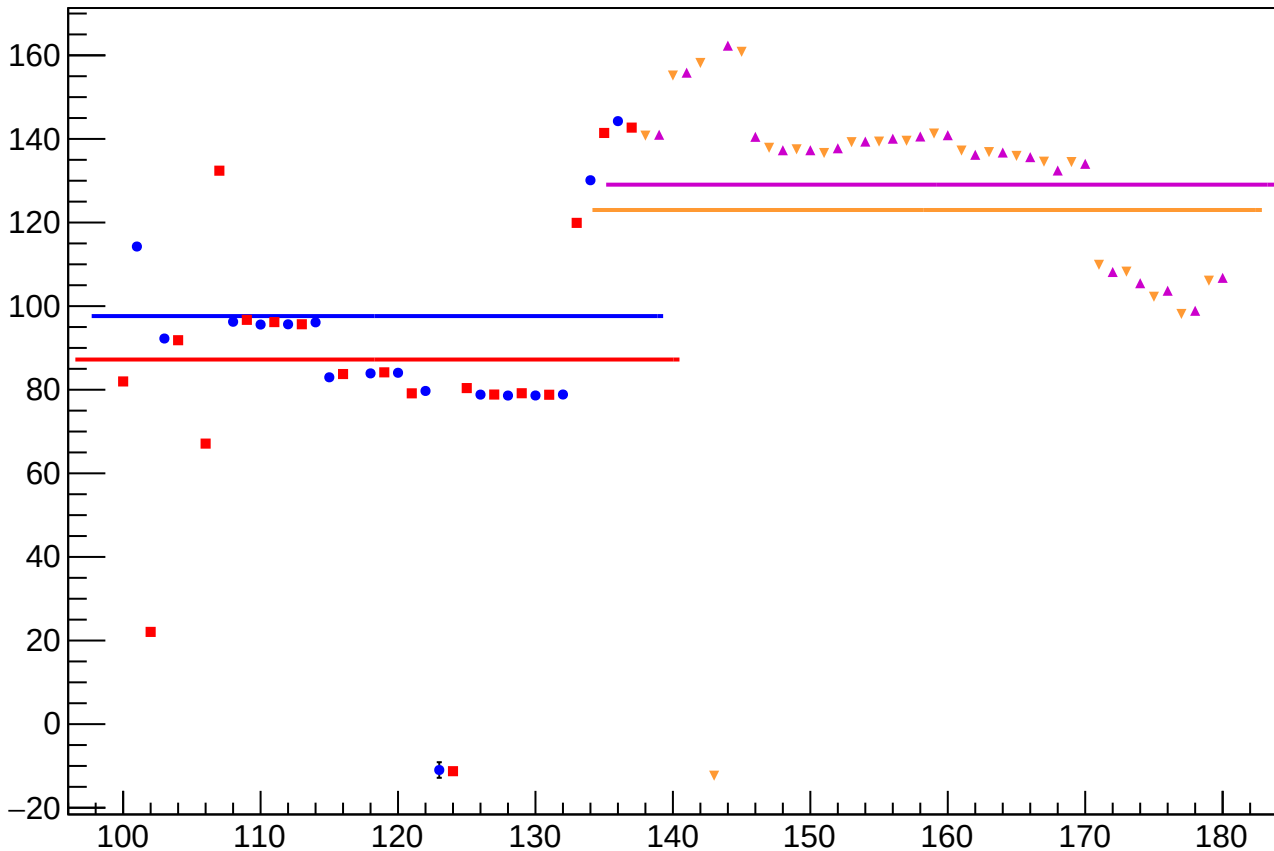
Left In: -80.483 ± 0.947 χ^2/NDF : 279.7/20

+ sign -76.661 ± 0.746 χ^2/NDF : 1496.7/38

All: -77.091 ± 0.527 χ^2/NDF : 2474.2/78

- sign -77.520 ± 0.745 χ^2/NDF : 976.9/39

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 122.997 $\pm$ 0.045 χ^2 /NDF: 620925.7/21

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

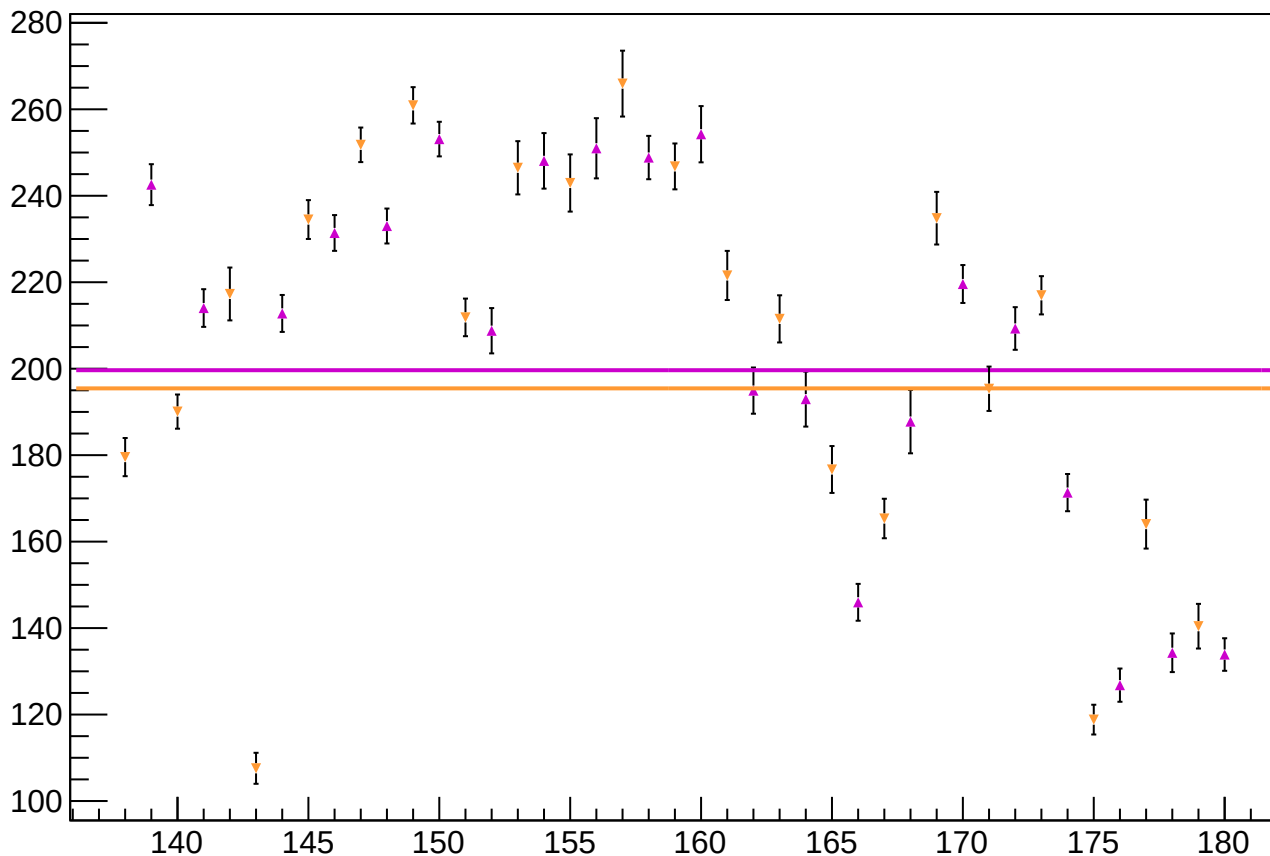
Left In: 129.059 $\pm$ 0.044 χ^2 /NDF: 158268.8/20

+ sign 116.181 $\pm$ 0.038 χ^2 /NDF: 801665.4/38

All: 116.458 $\pm$ 0.027 χ^2 /NDF: 1445606.3/78

- sign 116.718 $\pm$ 0.037 χ^2 /NDF: 643839.2/39

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



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

Left Out: 195.446+/-1.021 χ^2/NDF : 2248.3/21

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

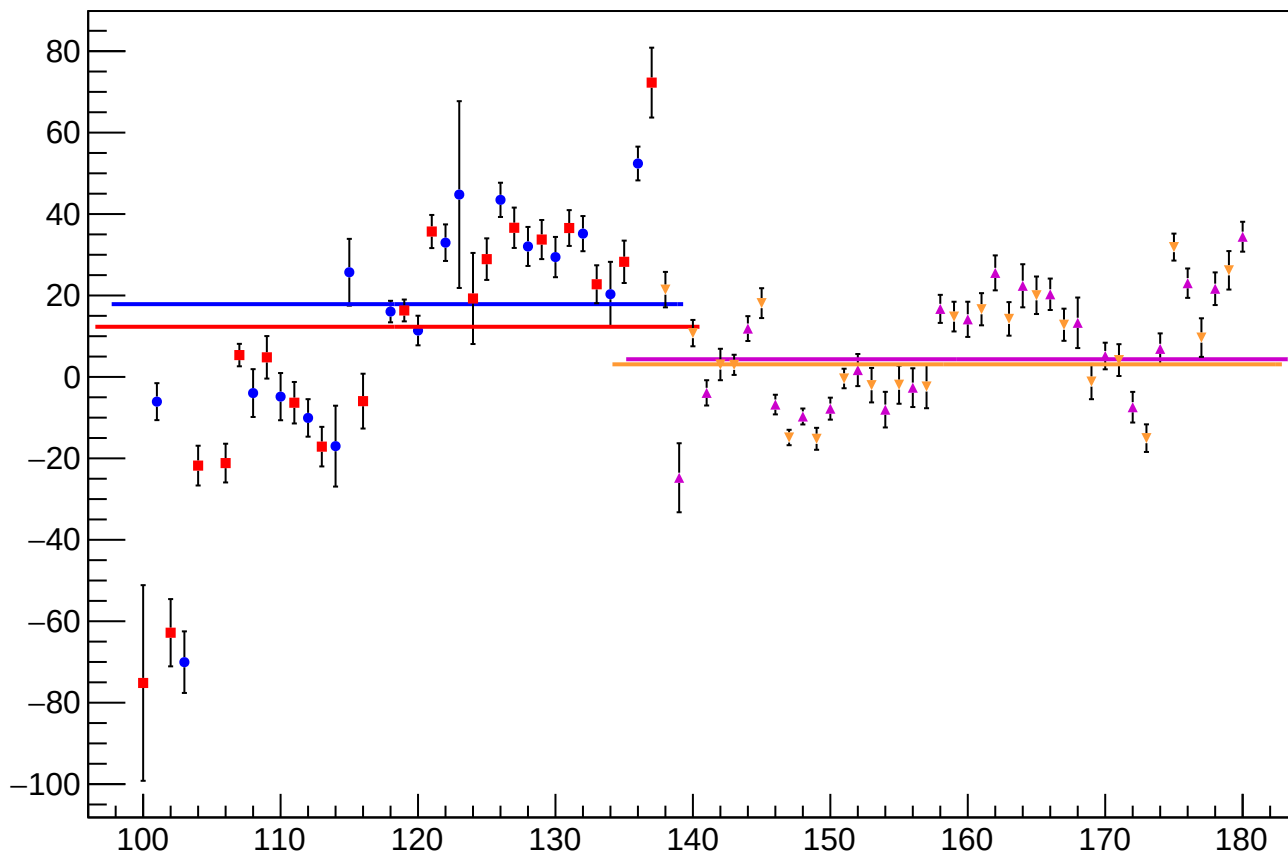
Left In: 199.650+/-1.027 χ^2/NDF : 1798.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 197.536+/-0.724 χ^2/NDF : 4054.8/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 $\pm$ 1.166 χ^2 /NDF: 395.3/16

Left Out: 3.095 $\pm$ 0.730 χ^2 /NDF: 362.0/21

Right Out: 12.317 $\pm$ 1.083 χ^2 /NDF: 444.0/18

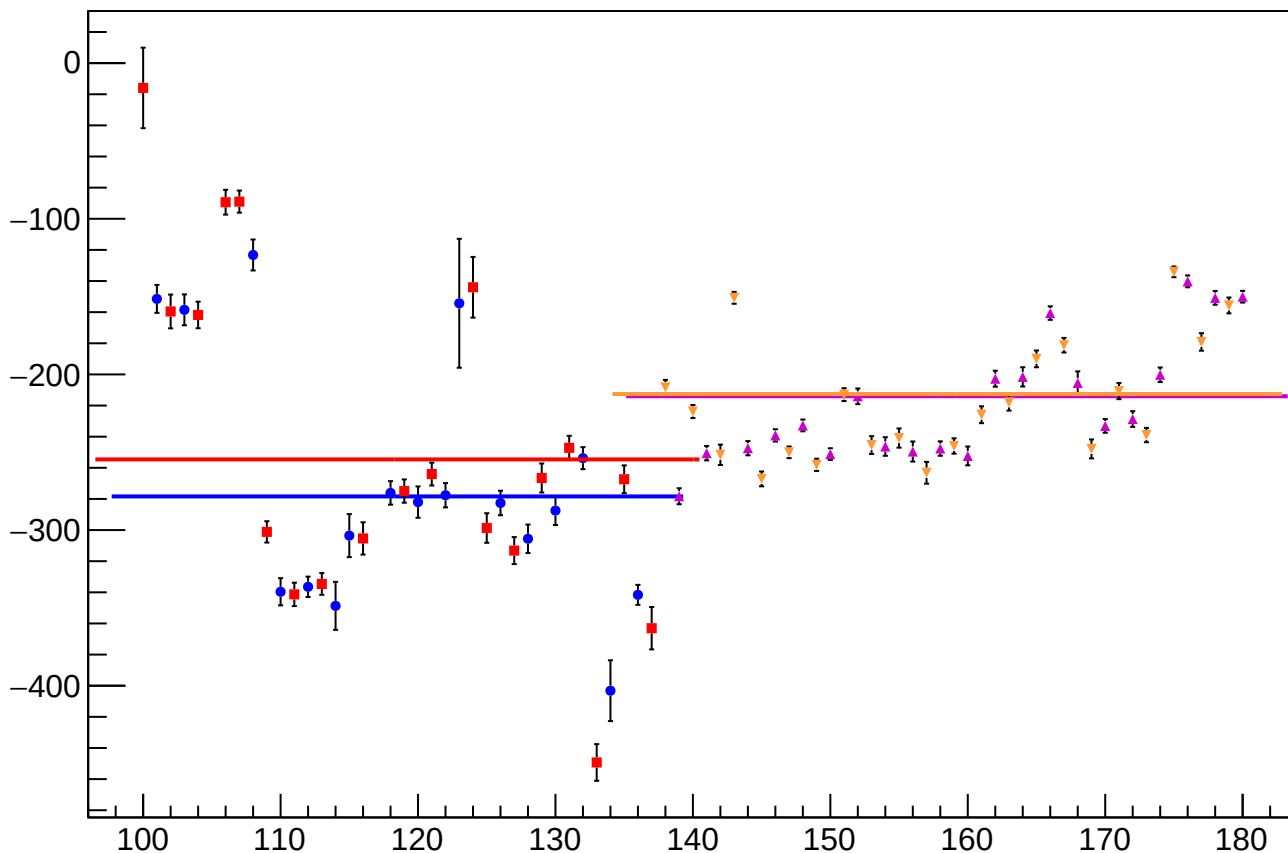
Left In: 4.345 $\pm$ 0.762 χ^2 /NDF: 324.8/20

+ sign 7.258 $\pm$ 0.619 χ^2 /NDF: 872.8/38

All: 7.121 $\pm$ 0.439 χ^2 /NDF: 1677.9/78

- sign 6.983 $\pm$ 0.623 χ^2 /NDF: 805.1/39

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -212.605 ± 1.018 χ^2/NDF : 1640.3/21

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

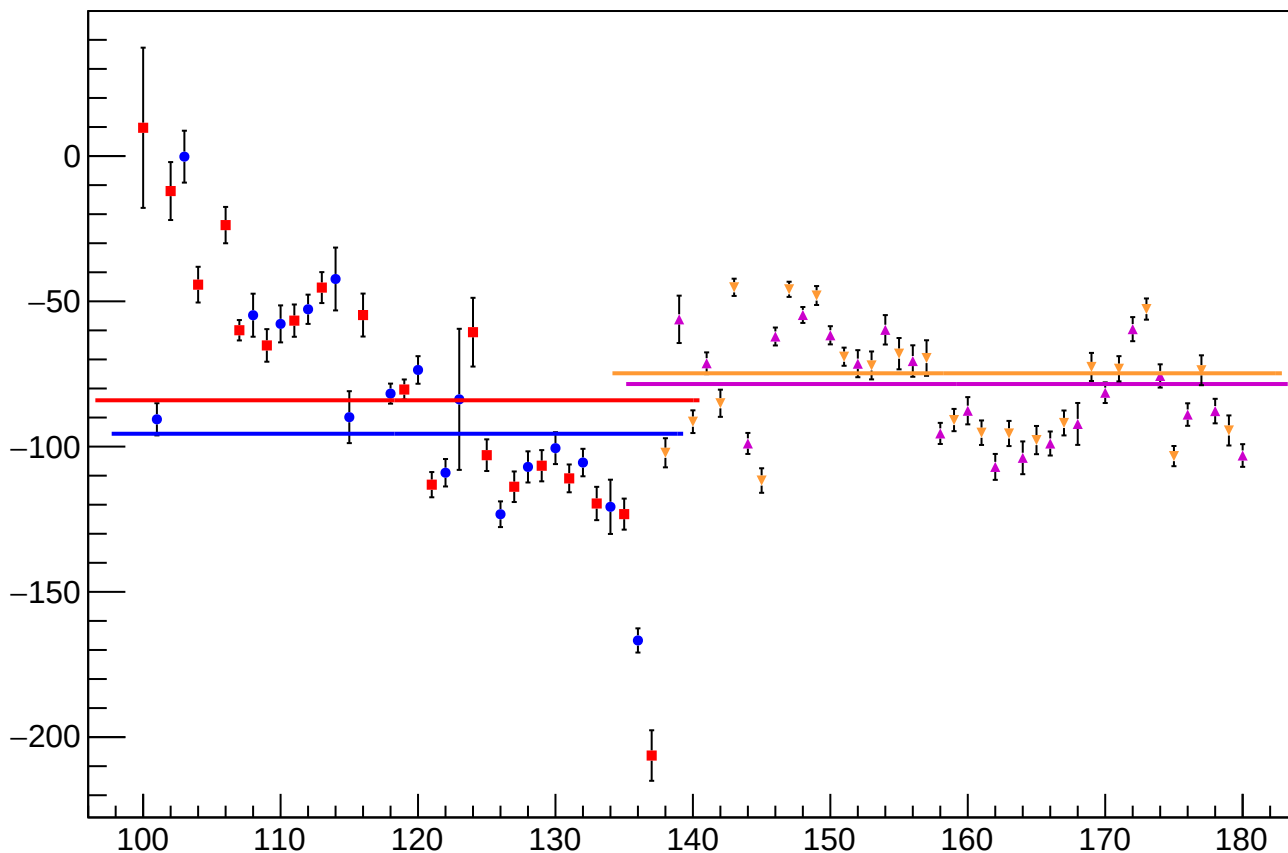
Left In: -214.035 ± 1.017 χ^2/NDF : 1657.2/20

+ sign -224.330 ± 0.922 χ^2/NDF : 3295.6/38

All: -223.270 ± 0.647 χ^2/NDF : 7314.7/78

- sign -222.242 ± 0.908 χ^2/NDF : 4016.5/39

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -74.767 ± 0.854 χ^2/NDF : 645.8/21

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

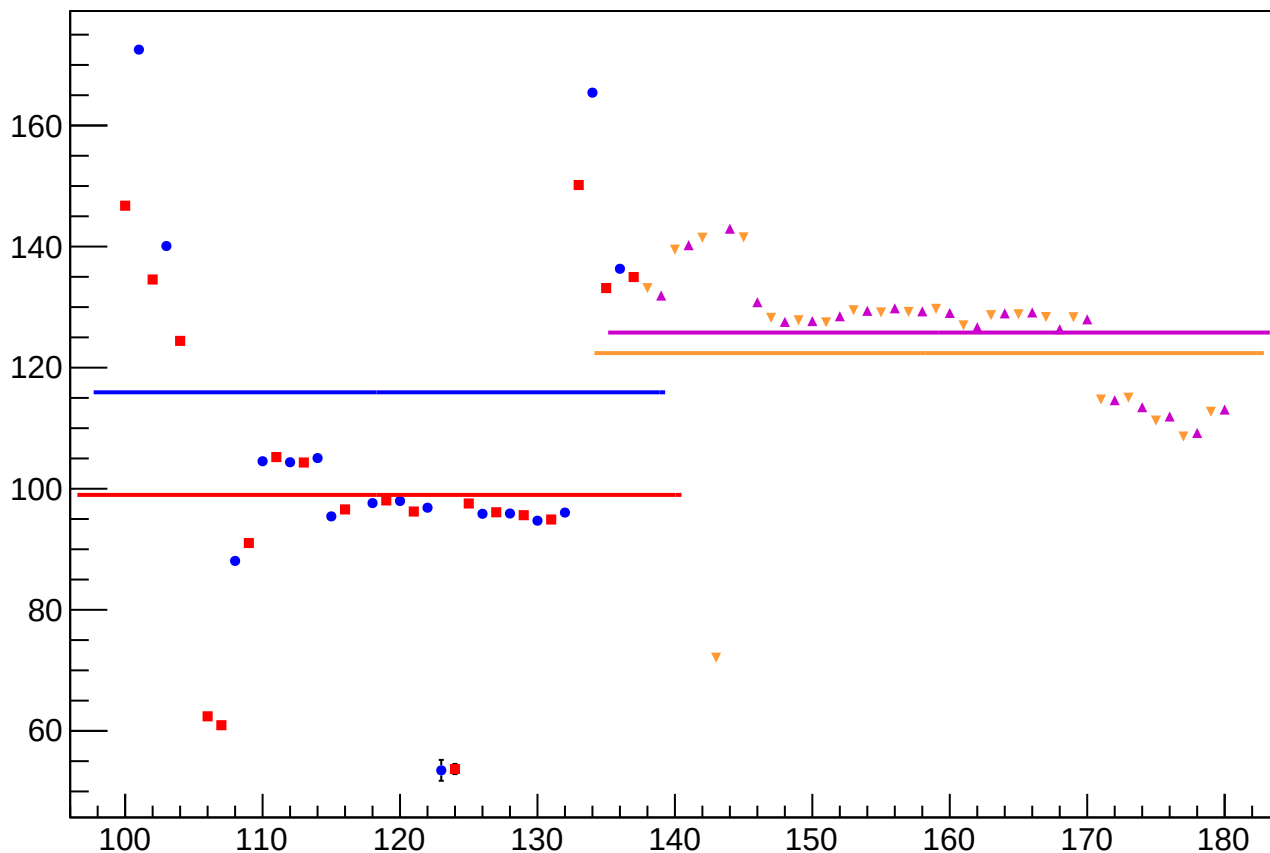
Left In: -78.464 ± 0.880 χ^2/NDF : 382.1/20

+ sign -80.772 ± 0.720 χ^2/NDF : 1488.4/38

All: -80.539 ± 0.509 χ^2/NDF : 2667.2/78

- sign -80.306 ± 0.721 χ^2/NDF : 1178.6/39

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 122.403 $\pm$ 0.041 χ^2 /NDF: 160277.6/21

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

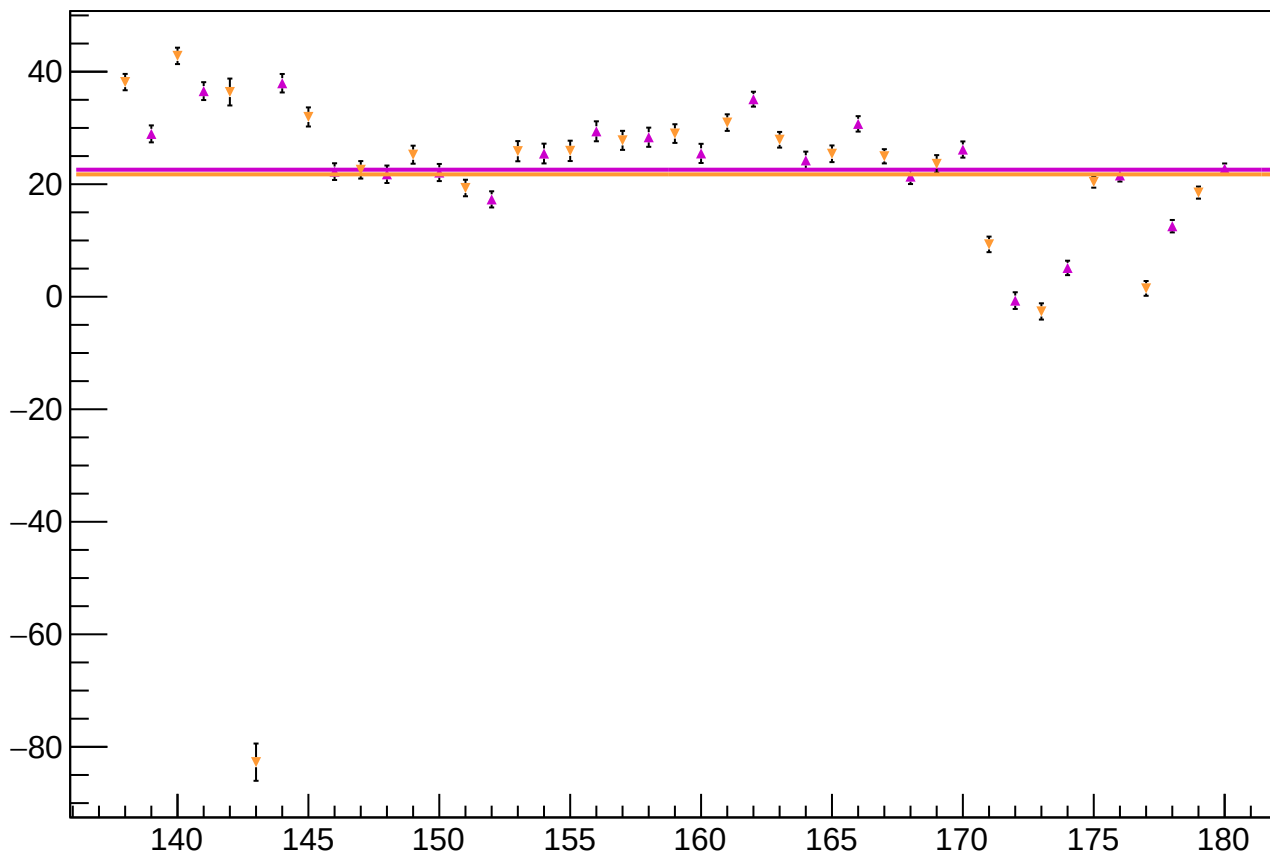
Left In: 125.798 $\pm$ 0.041 χ^2 /NDF: 44285.8/20

+ sign 121.005 $\pm$ 0.036 χ^2 /NDF: 271416.1/38

All: 119.797 $\pm$ 0.025 χ^2 /NDF: 603108.3/78

- sign 118.659 $\pm$ 0.035 χ^2 /NDF: 329557.6/39

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



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

Left Out: 21.750+/-0.316 χ^2/NDF : 2141.2/21

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

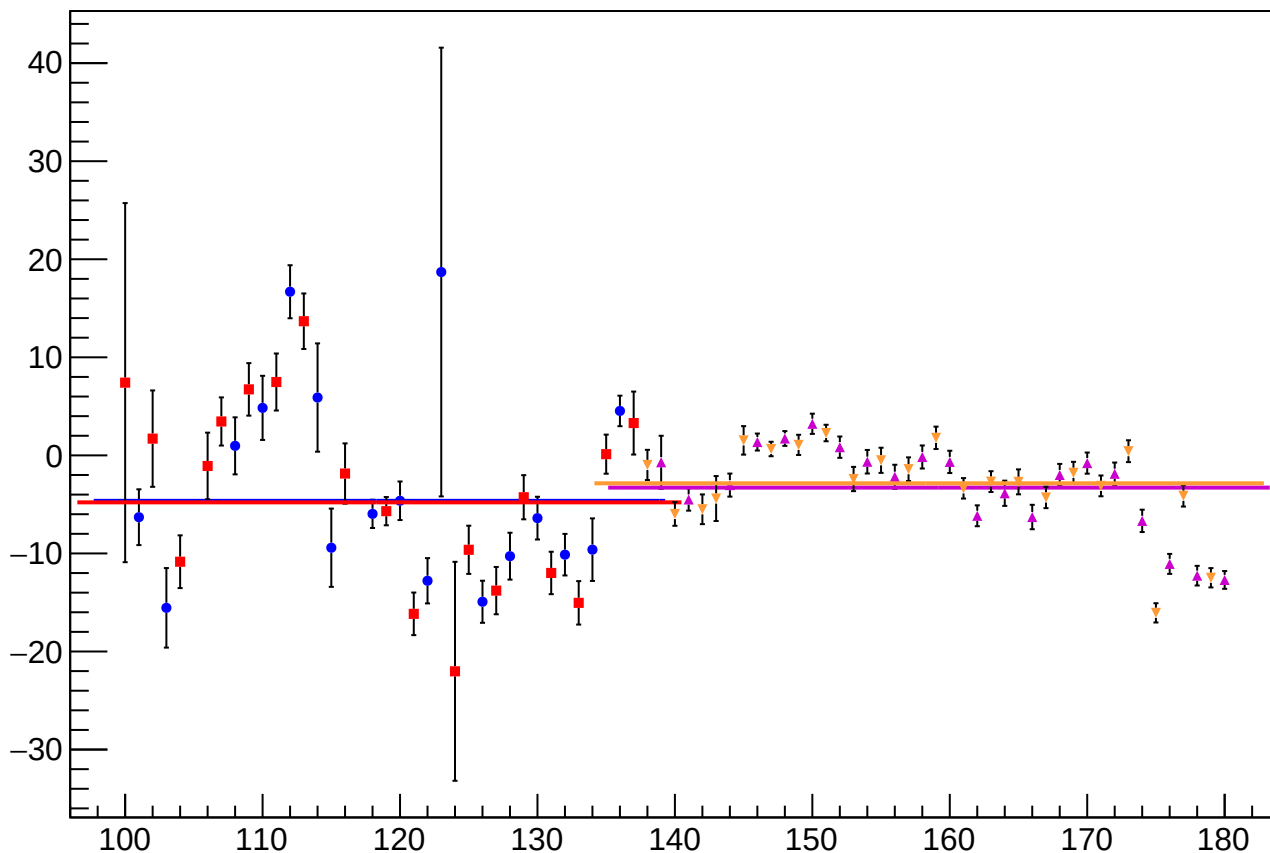
Left In: 22.581+/-0.305 χ^2/NDF : 875.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 22.180+/-0.219 χ^2/NDF : 3020.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -2.847 ± 0.237 χ^2/NDF : 406.2/21

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

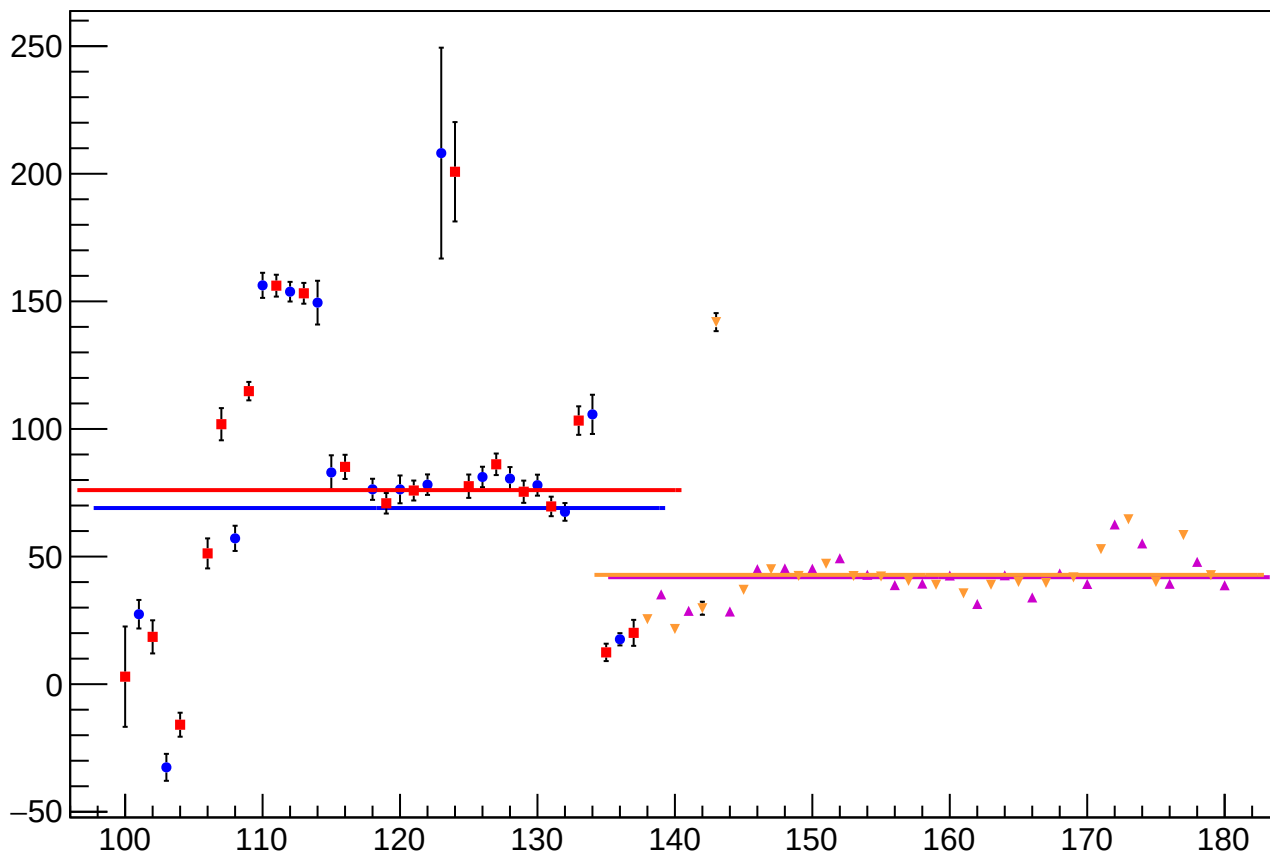
Left In: -3.287 ± 0.237 χ^2/NDF : 424.2/20

+ sign -3.097 ± 0.220 χ^2/NDF : 588.6/38

All: -3.299 ± 0.155 χ^2/NDF : 1212.7/78

- sign -3.499 ± 0.219 χ^2/NDF : 622.5/39

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019 $\pm$ 1.083 χ^2/NDF : 1848.0/16

Left Out: 42.832 $\pm$ 0.312 χ^2/NDF :1606.6/21

Right Out: 76.041 $\pm$ 1.070 χ^2/NDF : 1881.9/18

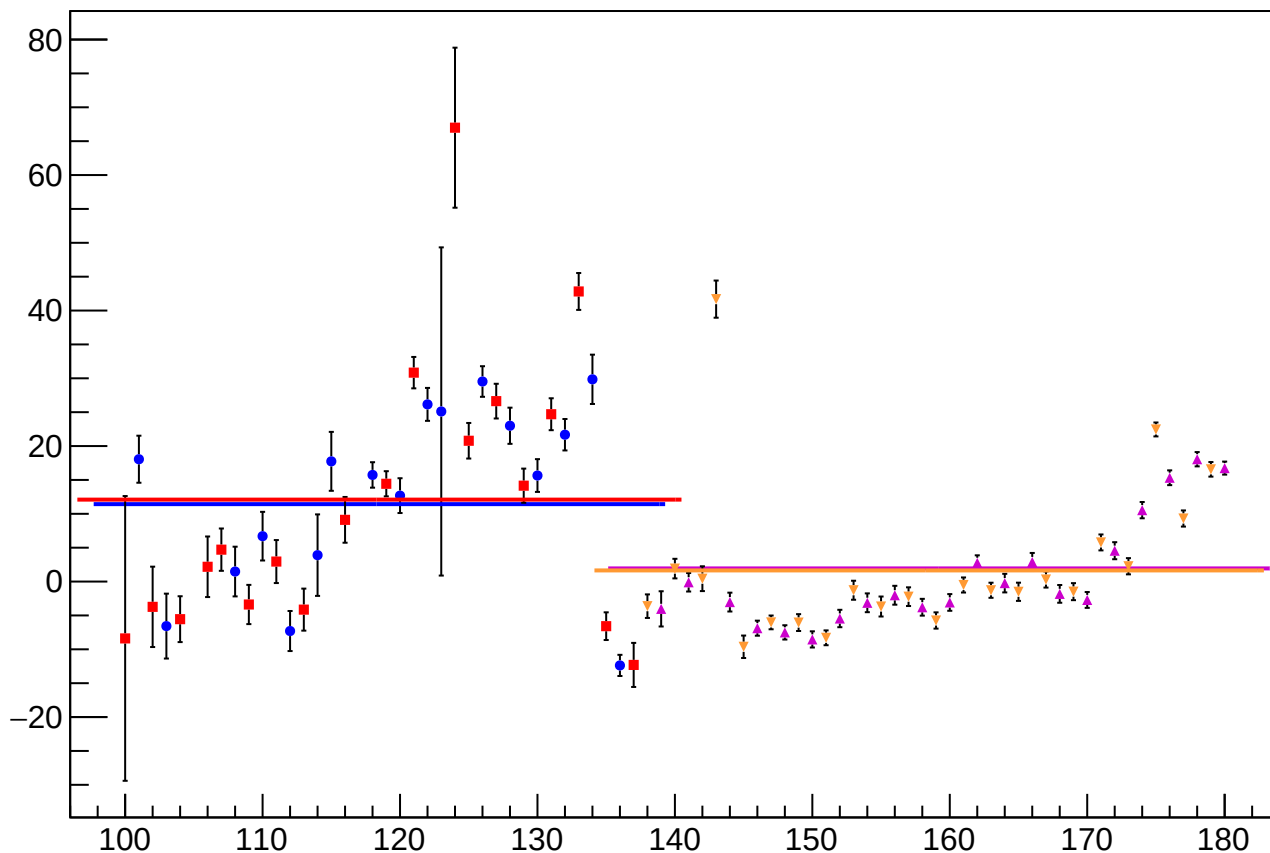
Left In: 41.917 $\pm$ 0.301 χ^2/NDF :616.9/20

+ sign 44.838 $\pm$ 0.300 χ^2/NDF : 3994.1/38

All: 44.625 $\pm$ 0.208 χ^2/NDF : 7436.4/78

- sign 44.425 $\pm$ 0.290 χ^2/NDF : 3441.4/39

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2/NDF : 476.8/16

Left Out: 1.645 $\pm$ 0.270 χ^2/NDF :1189.9/21

Right Out: 12.095 $\pm$ 0.664 χ^2/NDF : 539.1/18

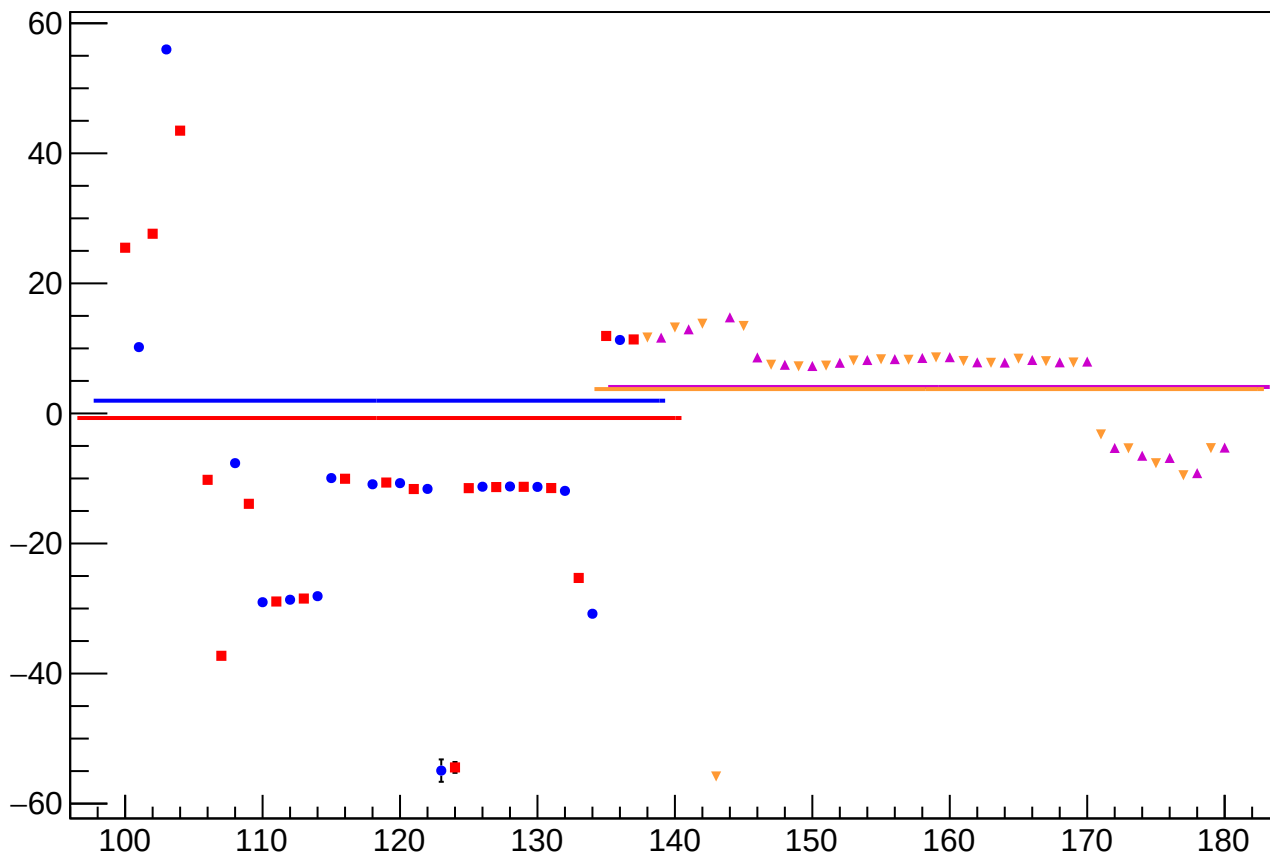
Left In: 1.941 $\pm$ 0.268 χ^2/NDF :1036.4/20

+ sign 3.030 $\pm$ 0.250 χ^2/NDF : 1852.2/38

All: 3.198 $\pm$ 0.176 χ^2/NDF : 3629.7/78

- sign 3.363 $\pm$ 0.248 χ^2/NDF : 1776.6/39

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 ± 0.037 χ^2/NDF : 358457.0/16

Left Out: 3.745 ± 0.012 χ^2/NDF : 513719.9/21

Right Out: -0.704 ± 0.037 χ^2/NDF : 361168.6/18

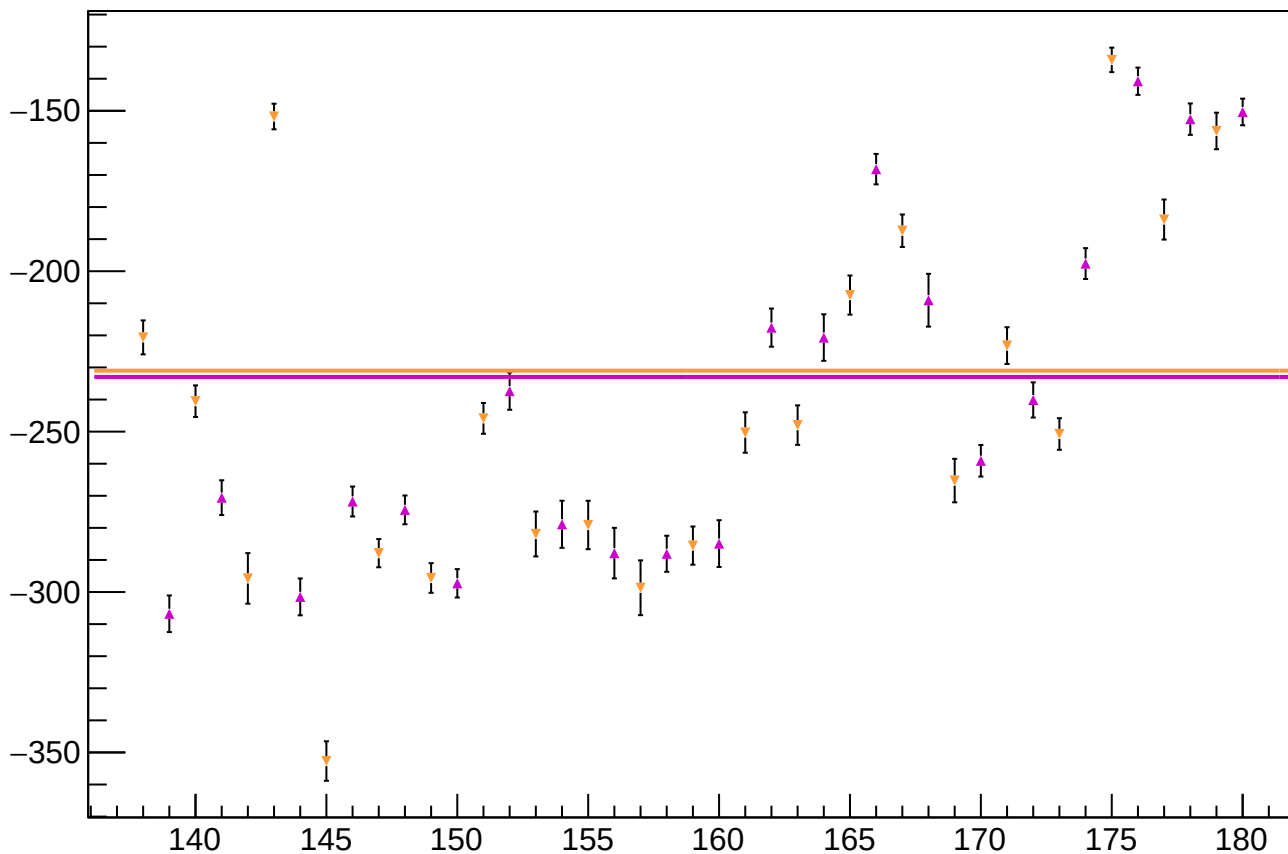
Left In: 4.069 ± 0.012 χ^2/NDF : 355343.7/20

+ sign 3.565 ± 0.012 χ^2/NDF : 874253.6/38

All: 3.586 ± 0.008 χ^2/NDF : 1605702.2/78

- sign 3.606 ± 0.012 χ^2/NDF : 731442.3/39

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



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

Left Out: -230.989+/-1.162 χ^2/NDF : 2497.9/21

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

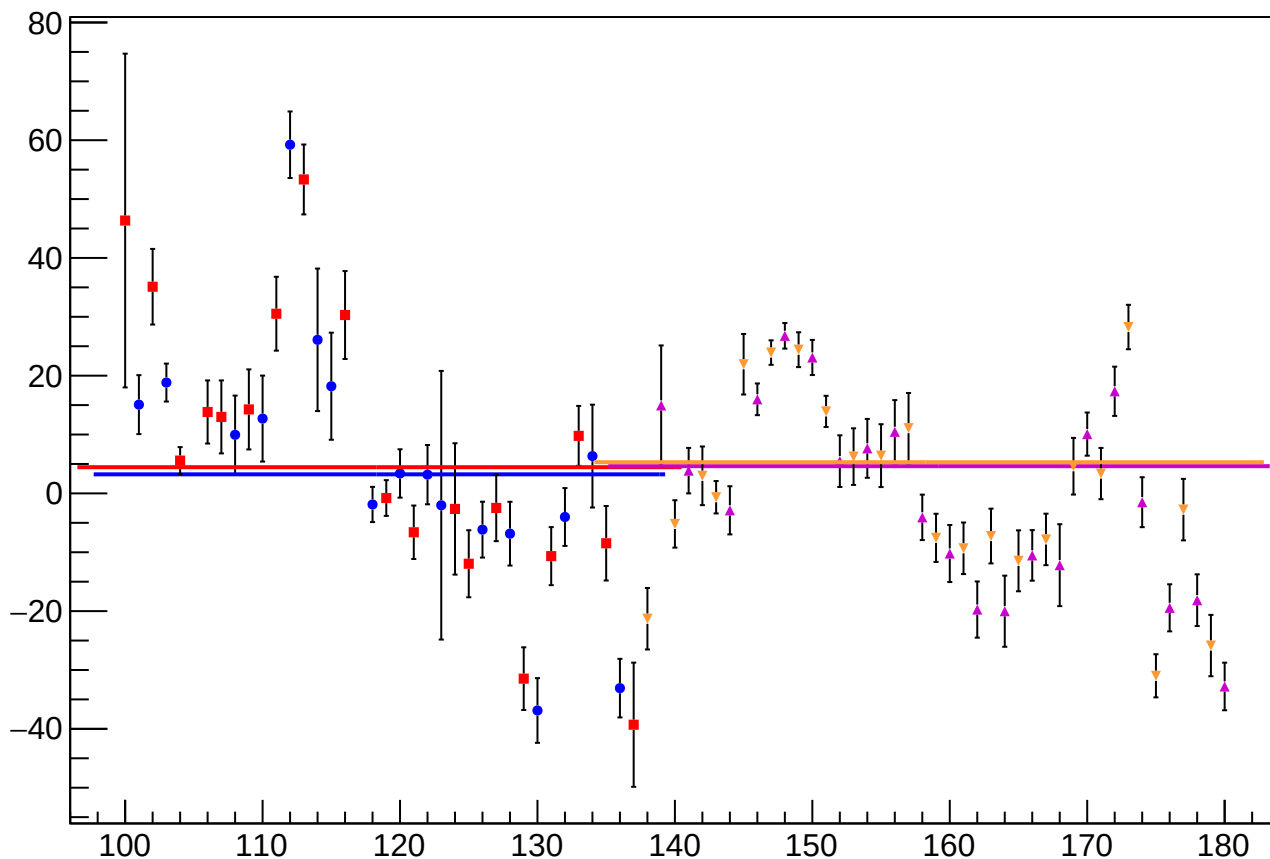
Left In: -232.950+/-1.166 χ^2/NDF : 2381.6/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -231.966+/-0.823 χ^2/NDF : 4880.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 5.296 ± 0.826 χ^2/NDF : 402.6/21

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

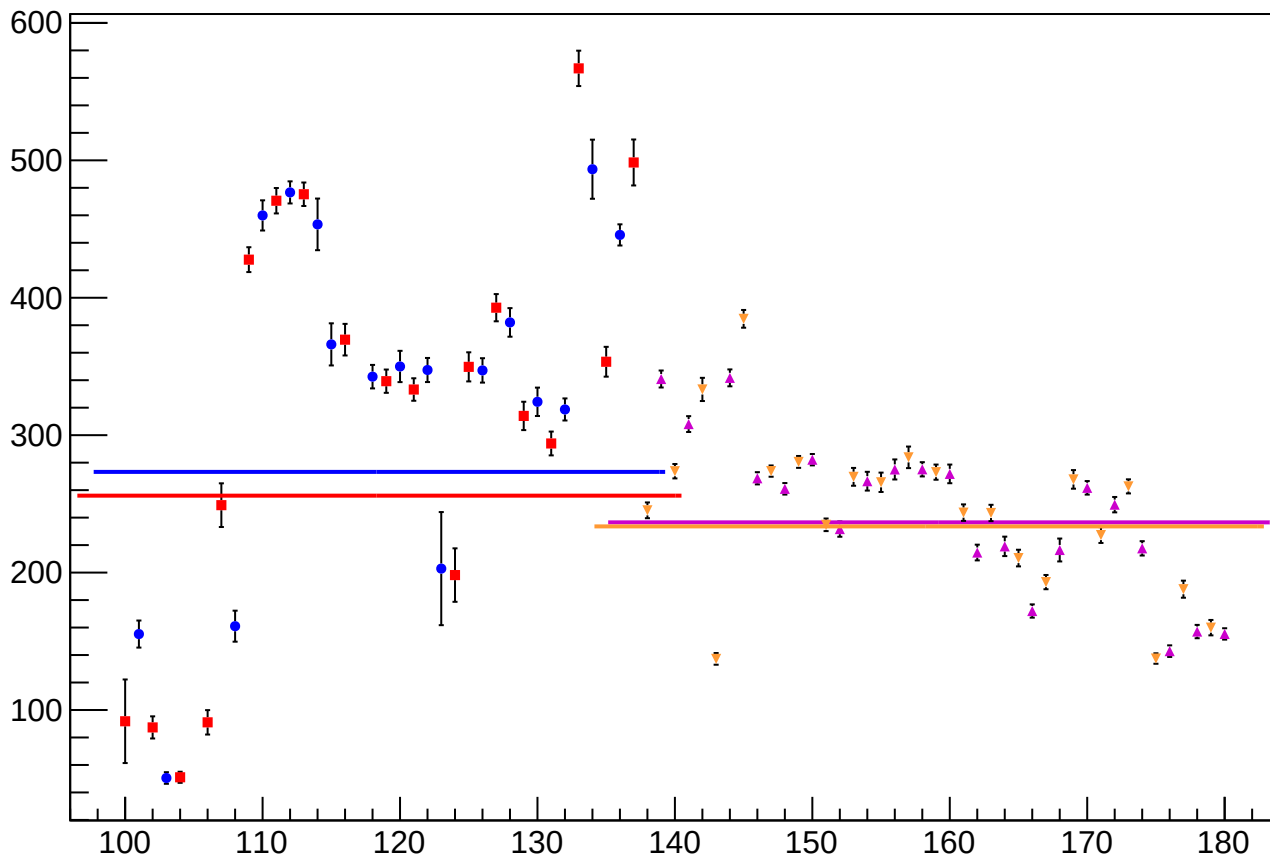
Left In: 4.624 ± 0.863 χ^2/NDF : 403.9/20

+ sign 4.665 ± 0.688 χ^2/NDF : 659.8/38

All: 4.614 ± 0.488 χ^2/NDF : 1289.5/78

- sign 4.562 ± 0.692 χ^2/NDF : 629.7/39

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 233.609 $\pm$ 1.154 χ^2 /NDF: 2626.3/21

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

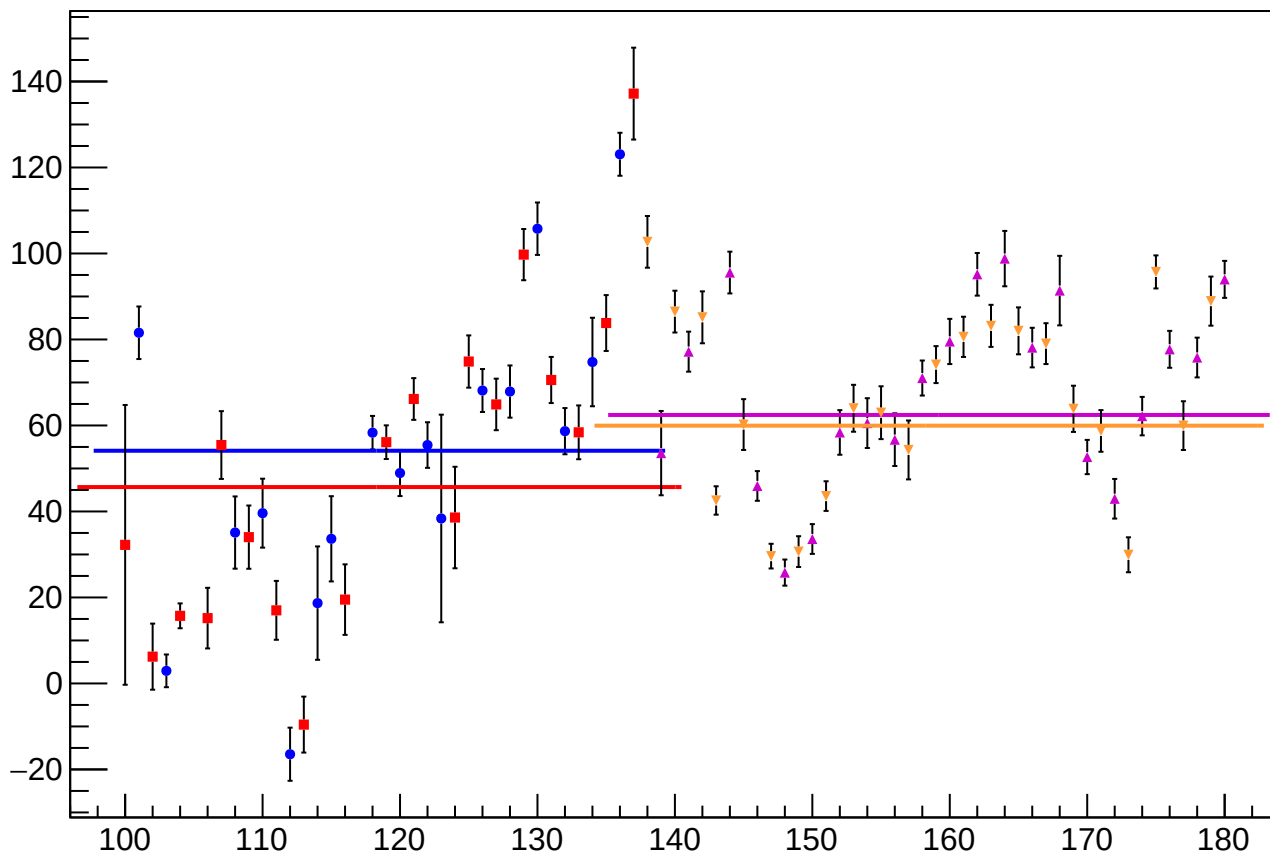
Left In: 236.547 $\pm$ 1.151 χ^2 /NDF: 2466.7/20

+ sign 242.140 $\pm$ 1.022 χ^2 /NDF: 7981.9/38

All: 241.616 $\pm$ 0.718 χ^2 /NDF: 16954.4/78

- sign 241.107 $\pm$ 1.007 χ^2 /NDF: 8972.0/39

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 59.952 $\pm$ 0.967 χ^2 /NDF: 581.0/21

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

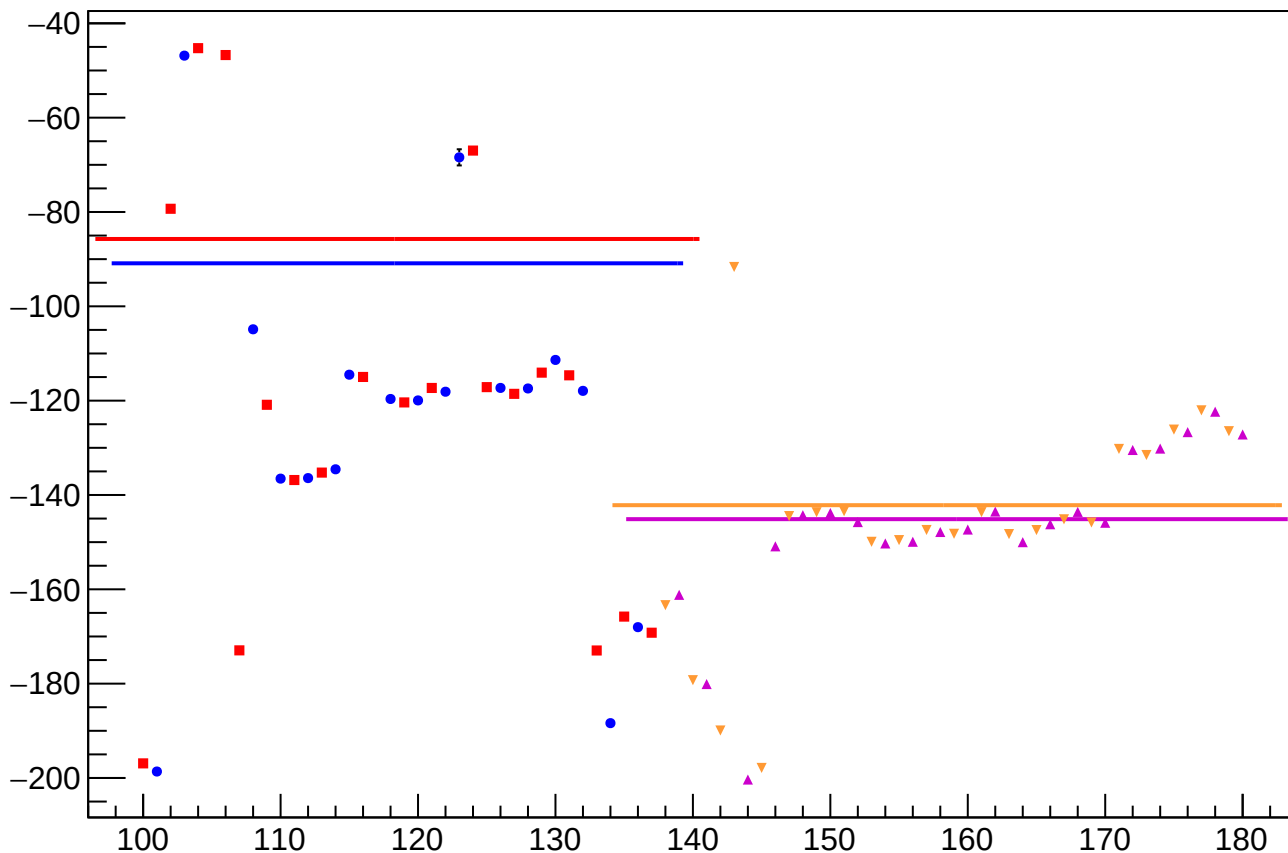
Left In: 62.443 $\pm$ 0.996 χ^2 /NDF: 510.4/20

+ sign 58.136 $\pm$ 0.802 χ^2 /NDF: 1226.3/38

All: 57.354 $\pm$ 0.568 χ^2 /NDF: 2368.8/78

- sign 56.570 $\pm$ 0.803 χ^2 /NDF: 1140.6/39

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881+/-0.068 χ^2/NDF : 533423.8/16

Left Out: -142.163+/-0.047 χ^2/NDF : 219595.4/21

Right Out: -85.722+/-0.065 χ^2/NDF : 494183.1/18

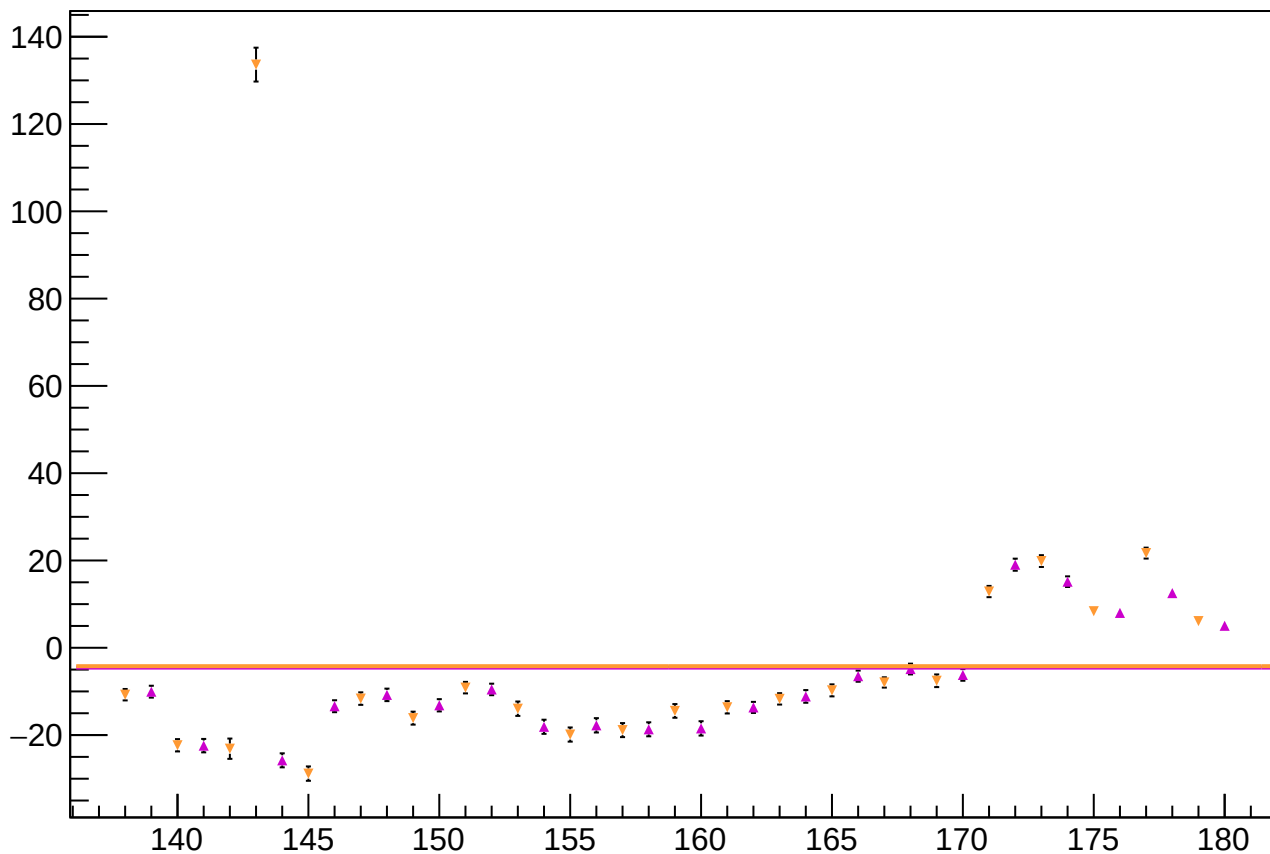
Left In: -145.126+/-0.047 χ^2/NDF : 110943.3/20

+ sign -125.634+/-0.038 χ^2/NDF : 1141254.2/38

All: -125.249+/-0.027 χ^2/NDF : 2295926.7/78

- sign -124.872+/-0.038 χ^2/NDF : 1154473.8/39

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



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

Left Out: -4.218+/-0.296 χ^2/NDF : 3404.8/21

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

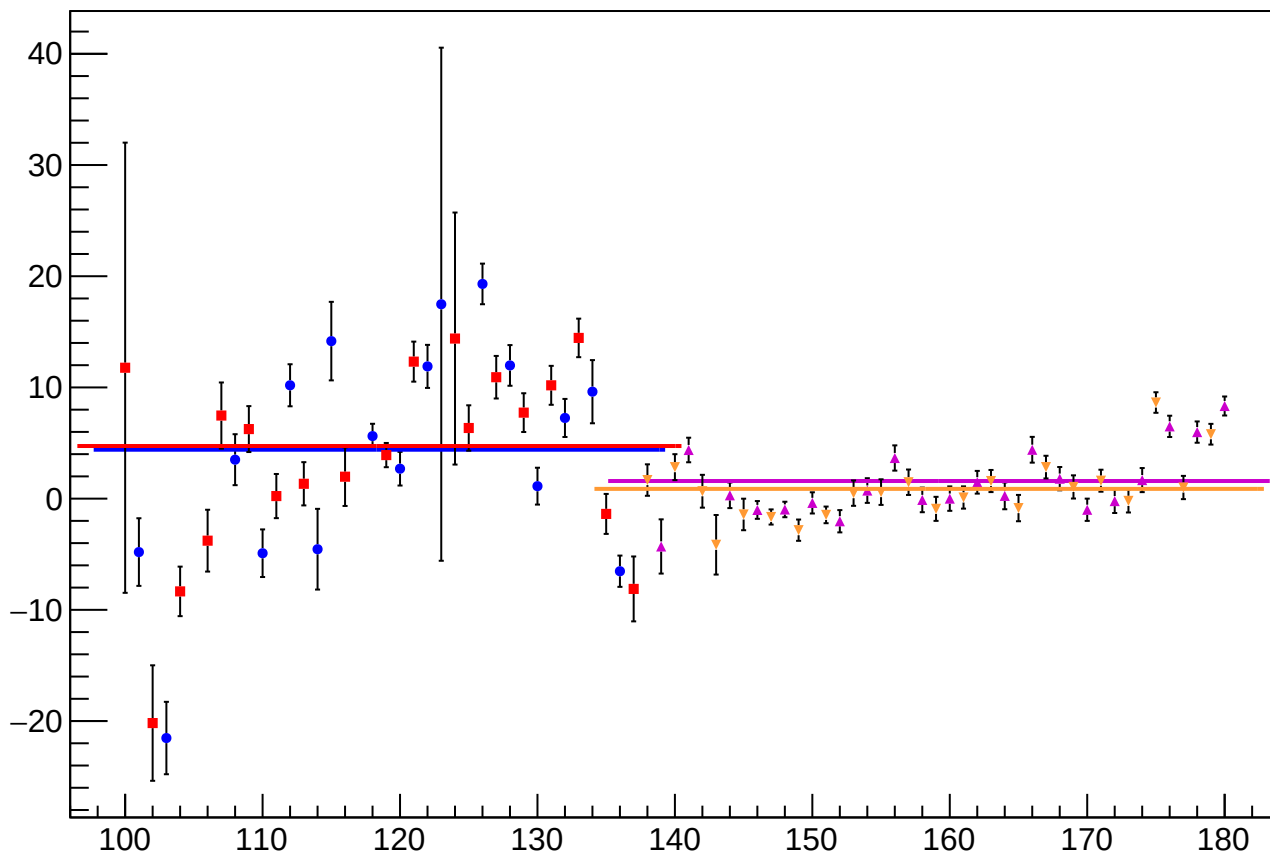
Left In: -4.539+/-0.286 χ^2/NDF : 1883.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -4.384+/-0.206 χ^2/NDF : 5289.3/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: 0.878 ± 0.222 χ^2/NDF : 158.0/21

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

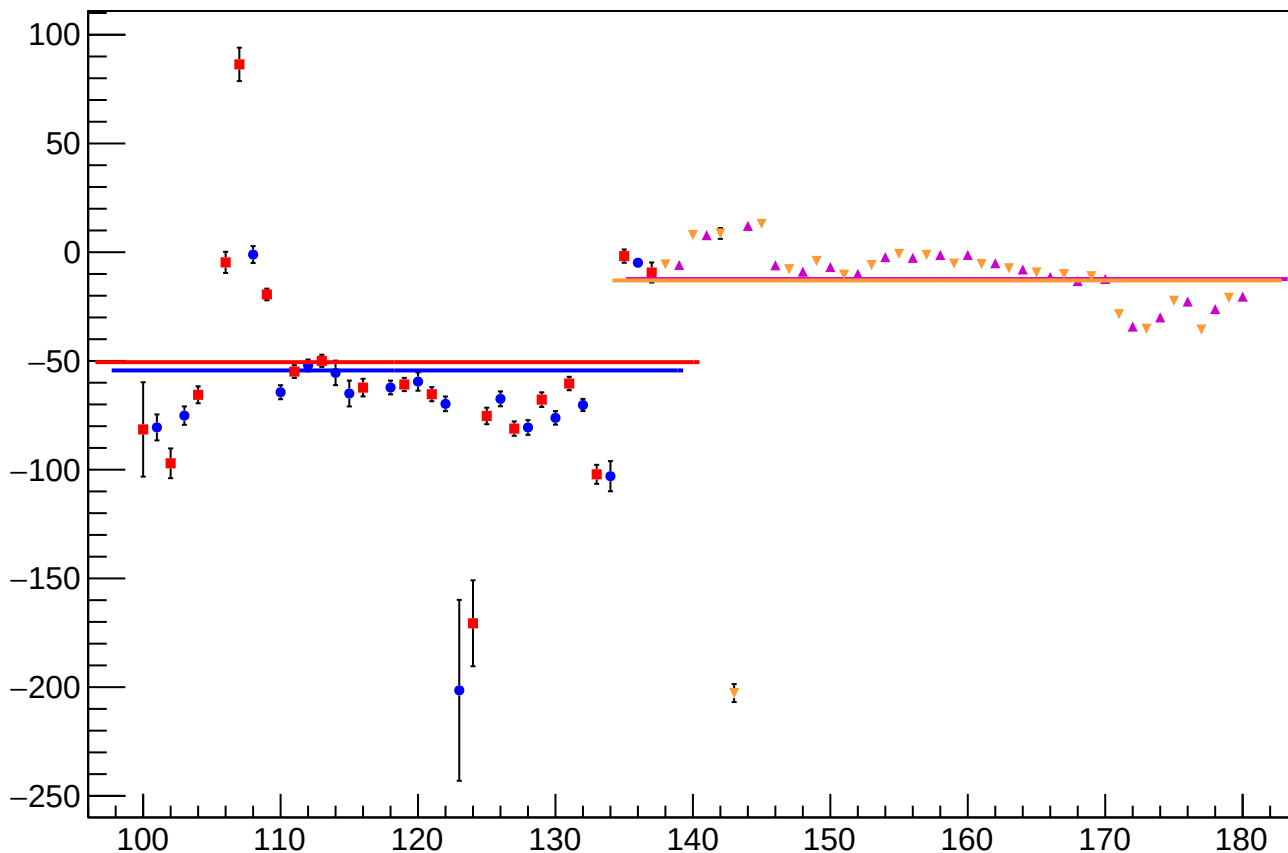
Left In: 1.584 ± 0.222 χ^2/NDF : 189.7/20

+ sign 1.518 ± 0.201 χ^2/NDF : 490.6/38

All: 1.835 ± 0.142 χ^2/NDF : 904.5/78

- sign 2.153 ± 0.201 χ^2/NDF : 408.9/39

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: -12.977 ± 0.293 χ^2/NDF : 3806.0/21

Right Out: -50.554 ± 0.858 χ^2/NDF : 1321.3/18

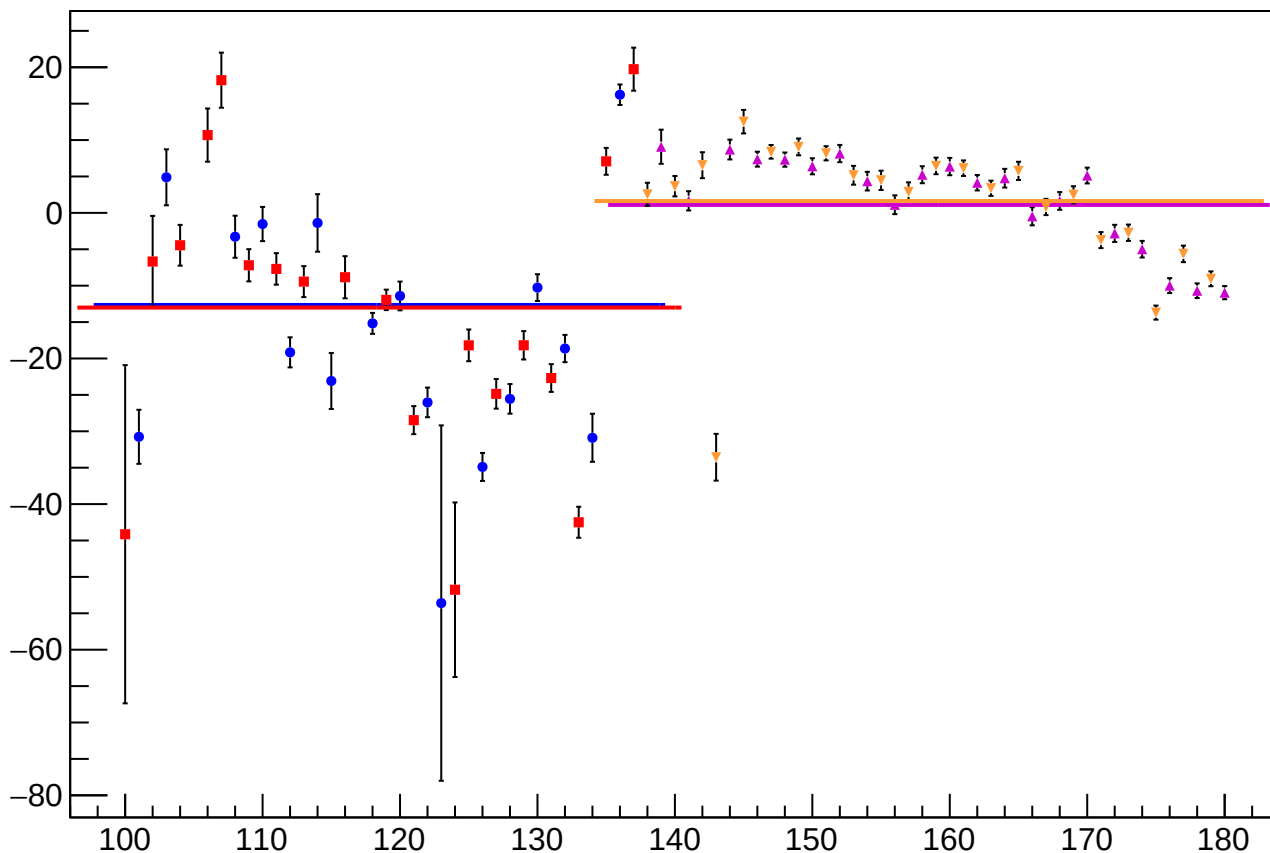
Left In: -12.340 ± 0.283 χ^2/NDF : 1445.5/20

+ sign -17.195 ± 0.277 χ^2/NDF : 6860.2/38

All: -16.622 ± 0.193 χ^2/NDF : 11426.6/78

- sign -16.084 ± 0.268 χ^2/NDF : 4558.1/39

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 1.629 ± 0.253 χ^2/NDF : 818.8/21

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

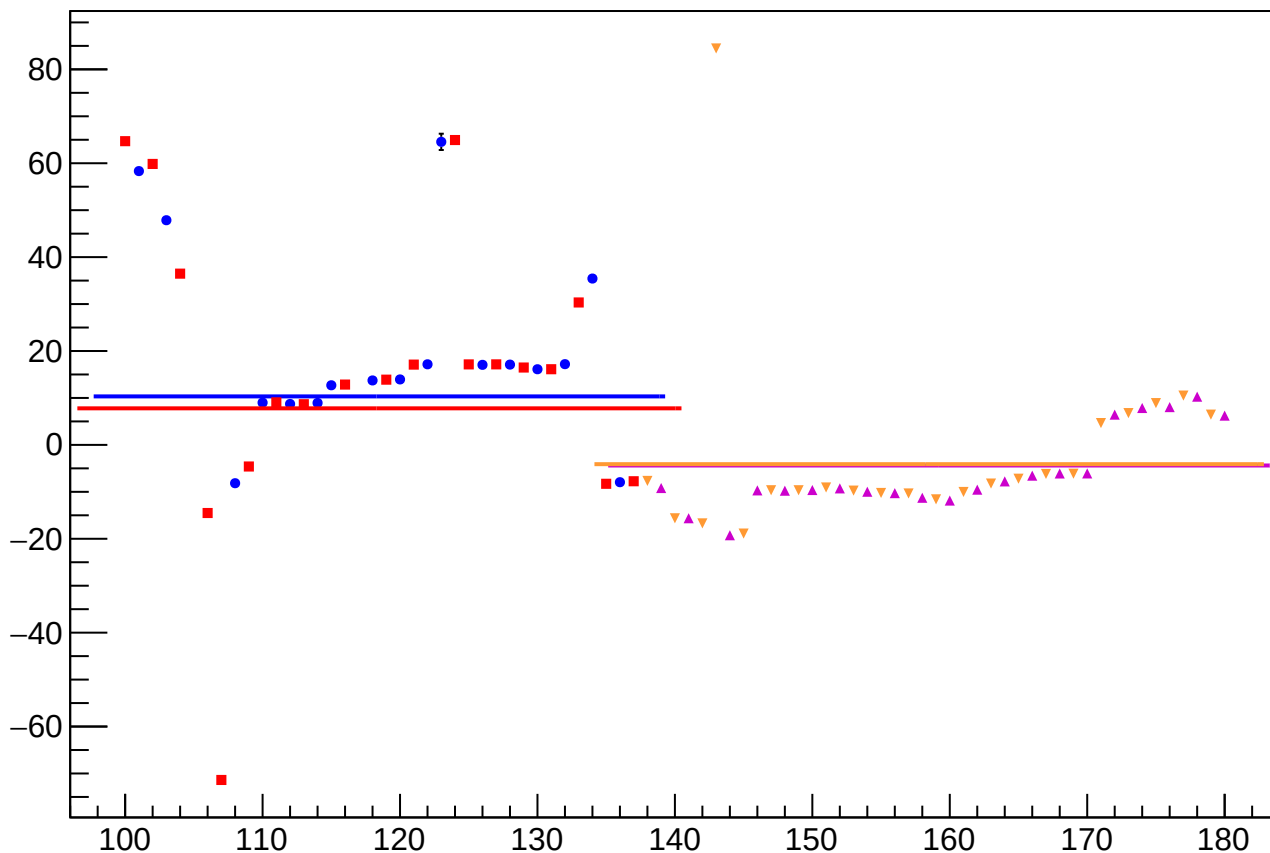
Left In: 1.095 ± 0.252 χ^2/NDF : 720.2/20

+ sign -0.977 ± 0.229 χ^2/NDF : 2186.6/38

All: -1.210 ± 0.162 χ^2/NDF : 4194.6/78

- sign -1.440 ± 0.228 χ^2/NDF : 2005.9/39

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330 $\pm$ 0.031 χ^2 /NDF: 380857.1/16

Left Out: -4.108 $\pm$ 0.012 χ^2 /NDF: 800710.0/21

Right Out: 7.786 $\pm$ 0.031 χ^2 /NDF: 544119.7/18

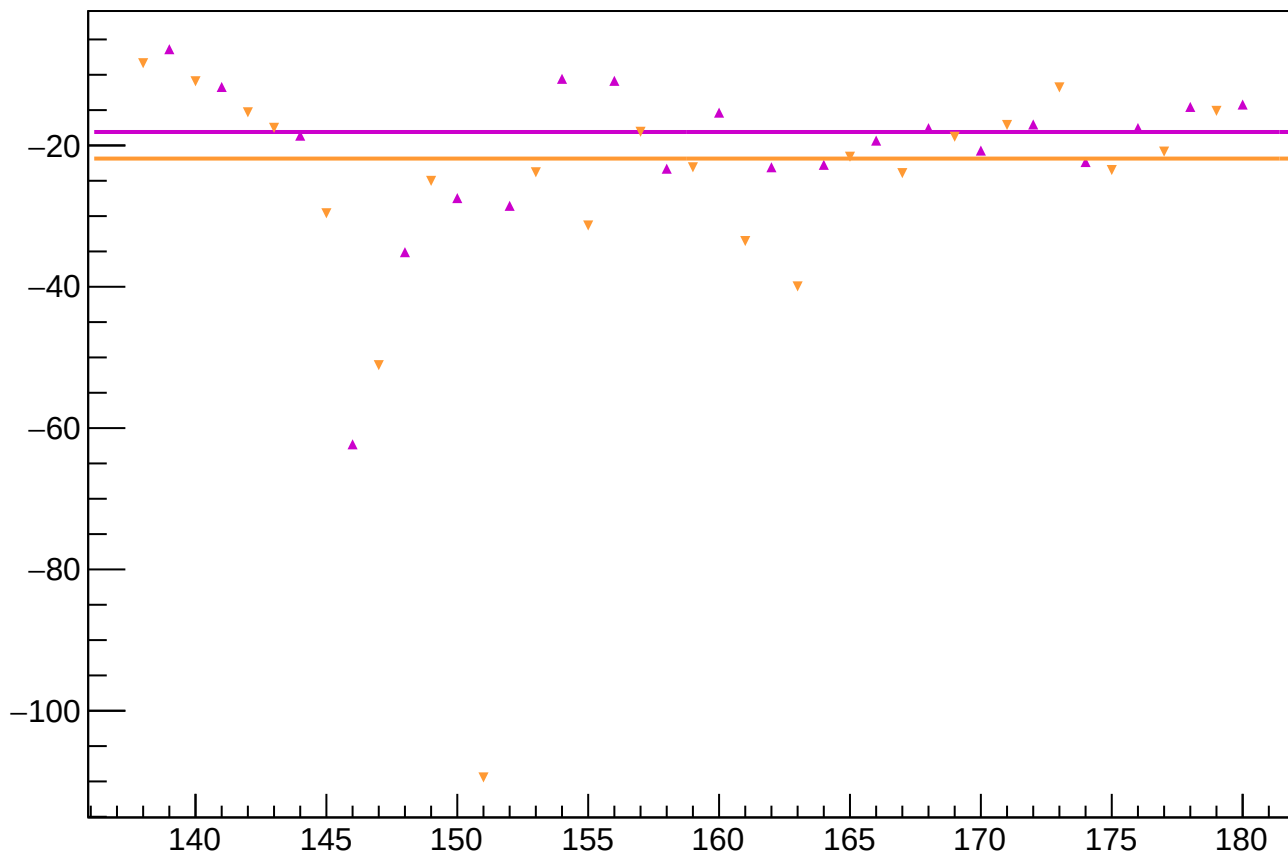
Left In: -4.389 $\pm$ 0.011 χ^2 /NDF: 533413.2/20

+ sign -2.284 $\pm$ 0.011 χ^2 /NDF: 1375093.9/38

All: -2.630 $\pm$ 0.008 χ^2 /NDF: 2588167.3/78

- sign -2.964 $\pm$ 0.011 χ^2 /NDF: 1211091.5/39

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -21.858+/-0.046 χ^2/NDF : 65190.3/21

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

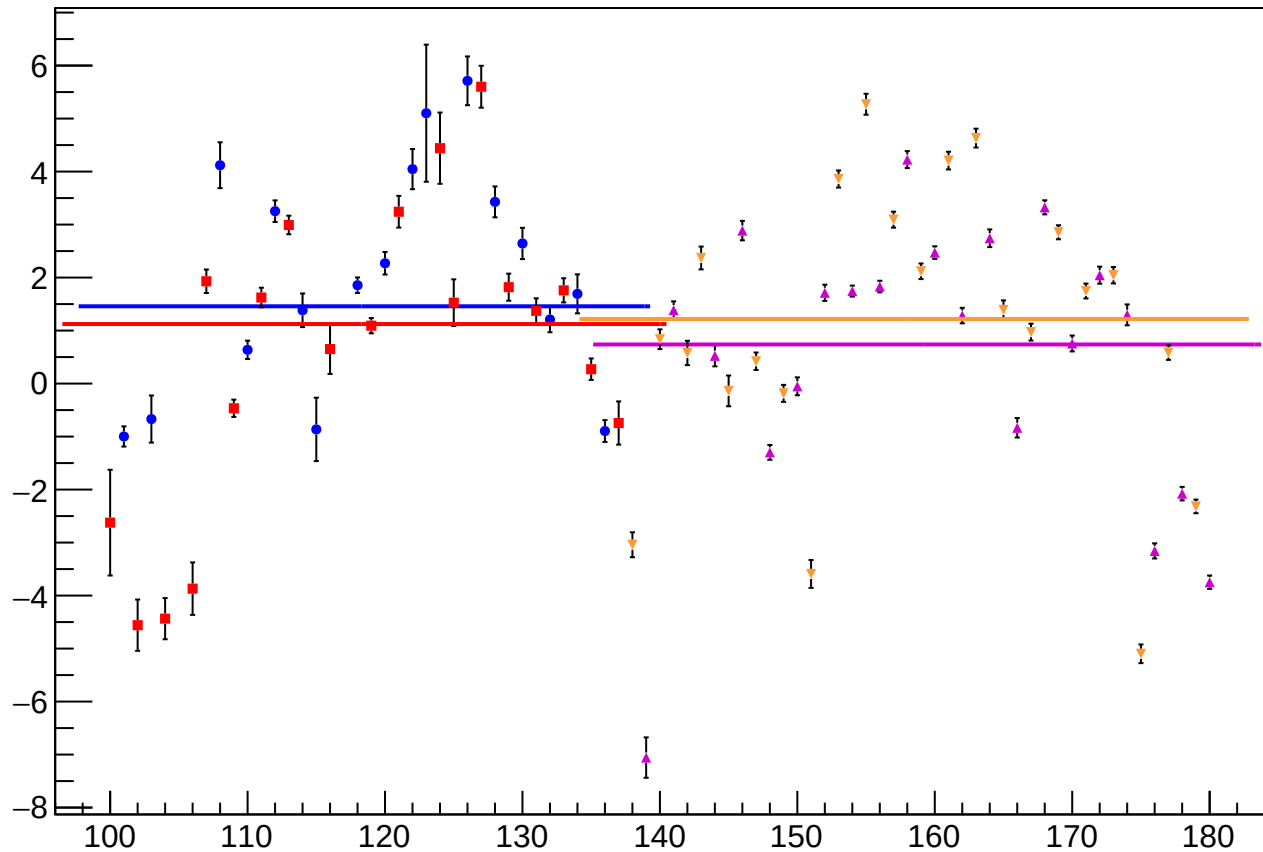
Left In: -18.097+/-0.041 χ^2/NDF : 39543.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -19.760+/-0.031 χ^2/NDF : 108406.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 1.217 ± 0.036 χ^2/NDF : 4653.3/21

Right Out: 1.123 ± 0.058 χ^2/NDF : 947.4/18

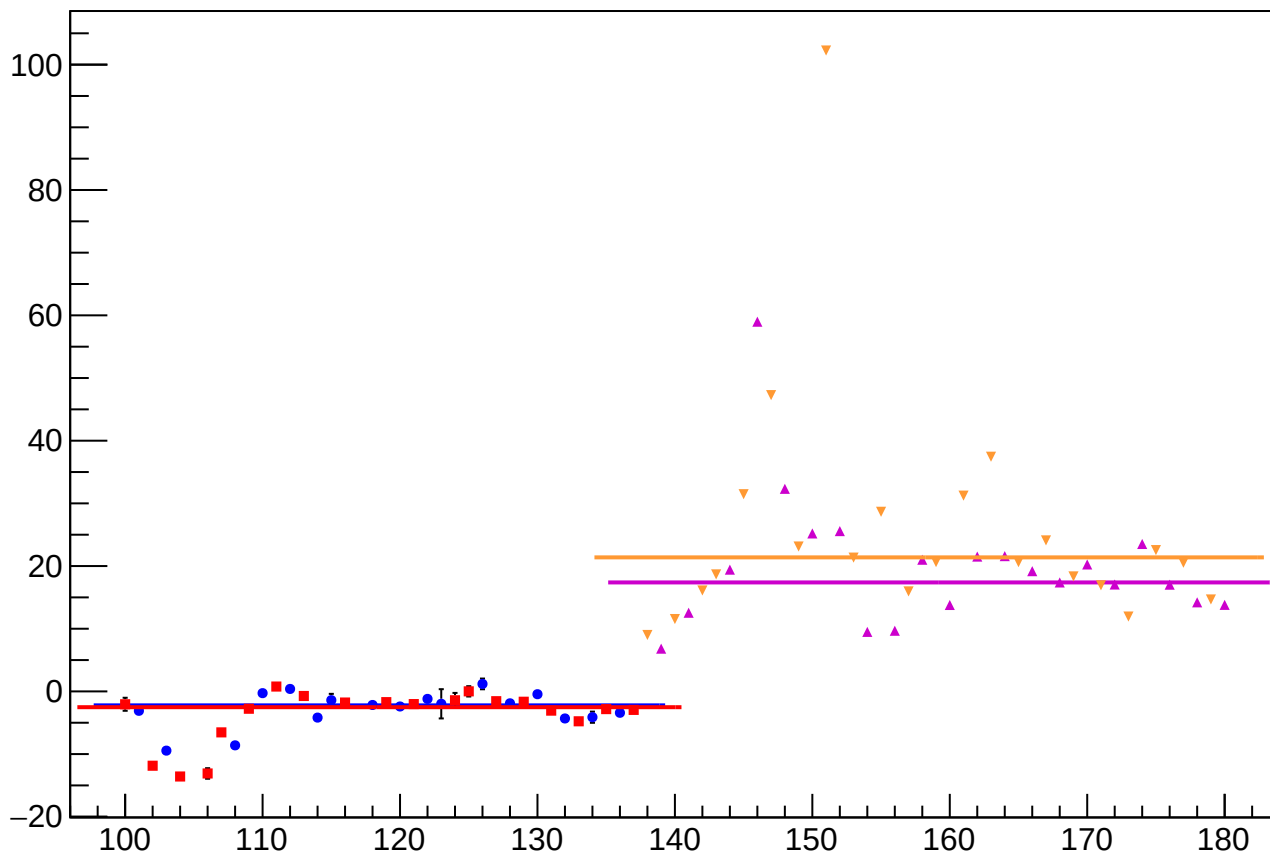
Left In: 0.738 ± 0.032 χ^2/NDF : 4912.1/20

+ sign 1.278 ± 0.031 χ^2/NDF : 5362.8/38

All: 1.031 ± 0.021 χ^2/NDF : 11371.1/78

- sign 0.828 ± 0.028 χ^2/NDF : 5893.2/39

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 21.384 ± 0.046 χ^2/NDF : 58416.0/21

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

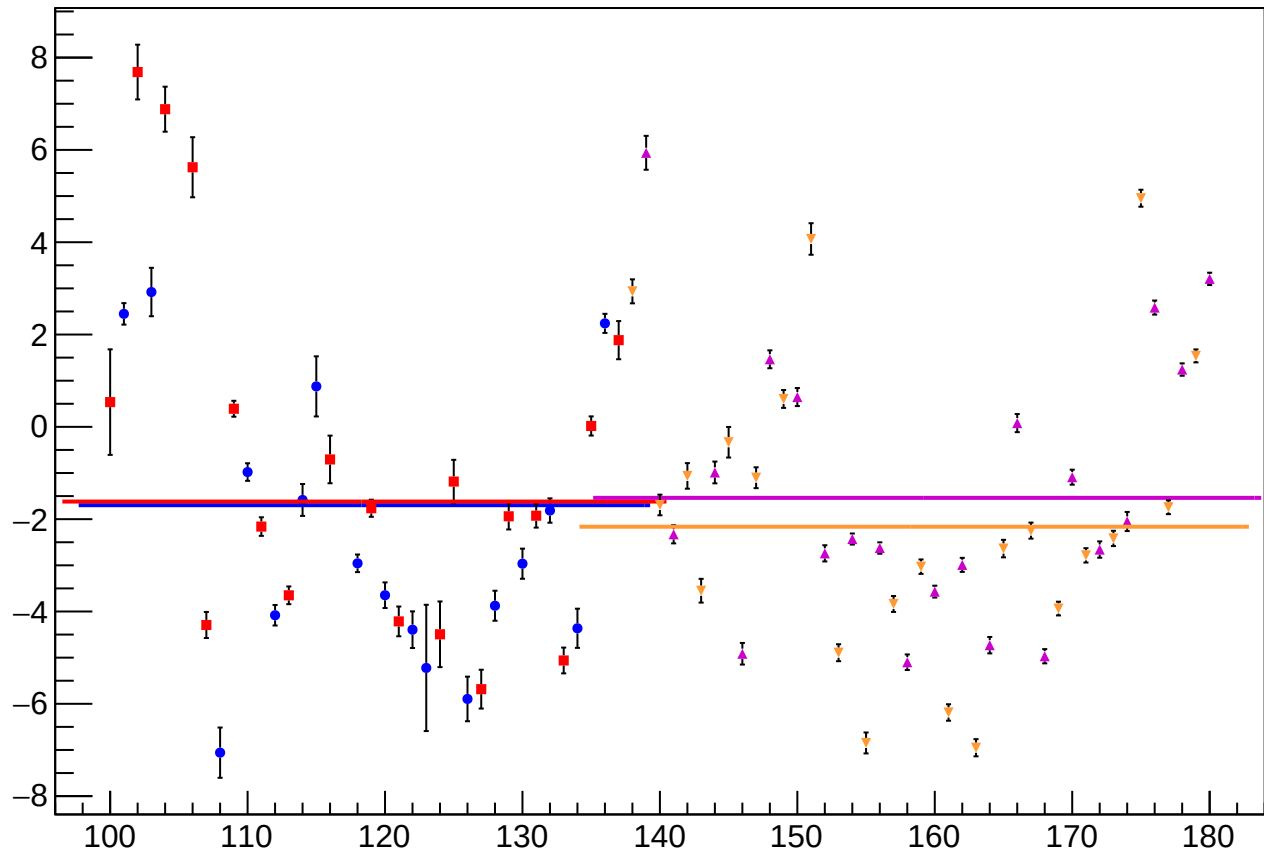
Left In: 17.386 ± 0.041 χ^2/NDF : 37468.8/20

+ sign 17.948 ± 0.042 χ^2/NDF : 97356.8/38

All: 16.028 ± 0.028 χ^2/NDF : 174017.5/78

- sign 14.529 ± 0.038 χ^2/NDF : 73015.1/39

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -2.163 ± 0.040 χ^2/NDF : 5331.0/21

Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18

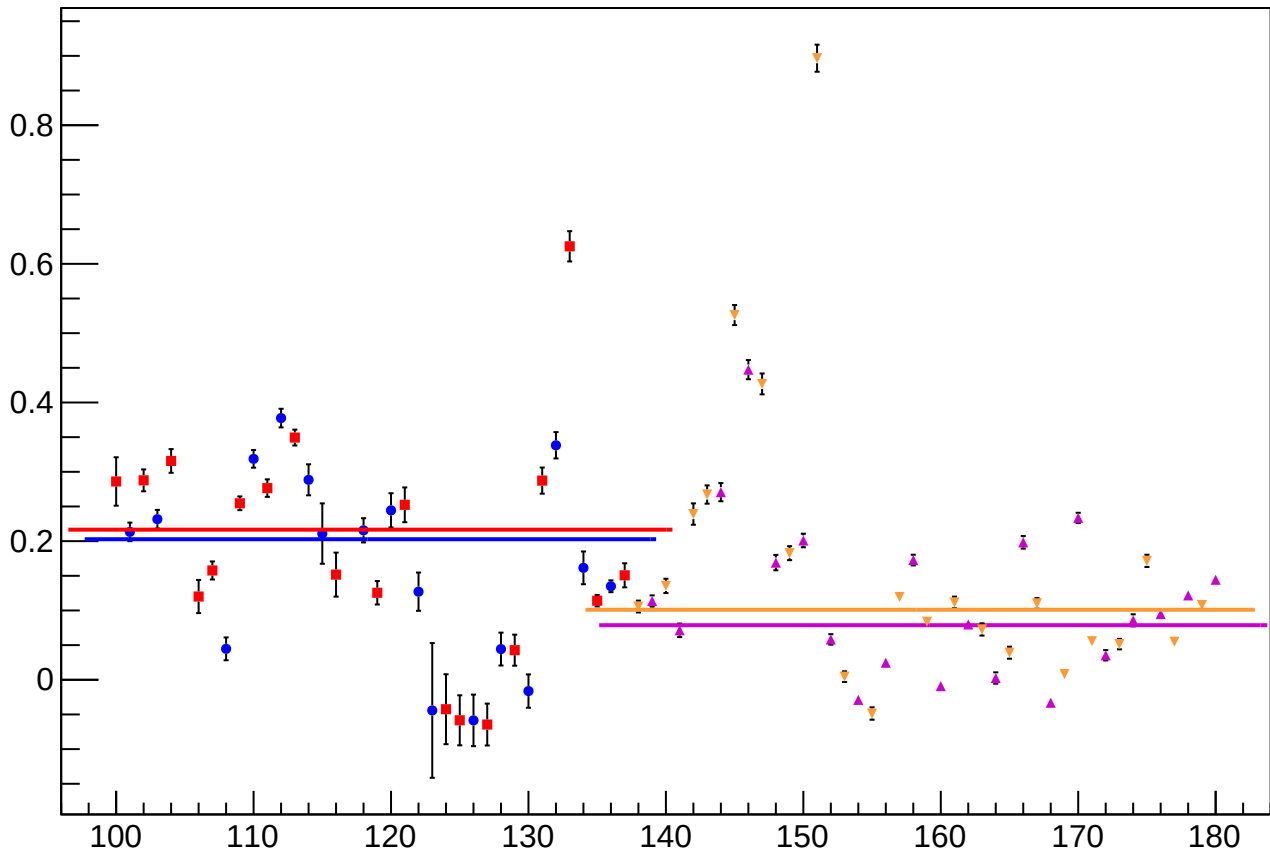
Left In: -1.538 ± 0.036 χ^2/NDF : 5325.3/20

+ sign -2.051 ± 0.035 χ^2/NDF : 6683.0/38

All: -1.778 ± 0.023 χ^2/NDF : 13608.8/78

- sign -1.556 ± 0.032 χ^2/NDF : 6815.7/39

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.101 ± 0.002 χ^2/NDF : 4219.1/21

Right Out: 0.217 ± 0.004 χ^2/NDF : 1064.4/18

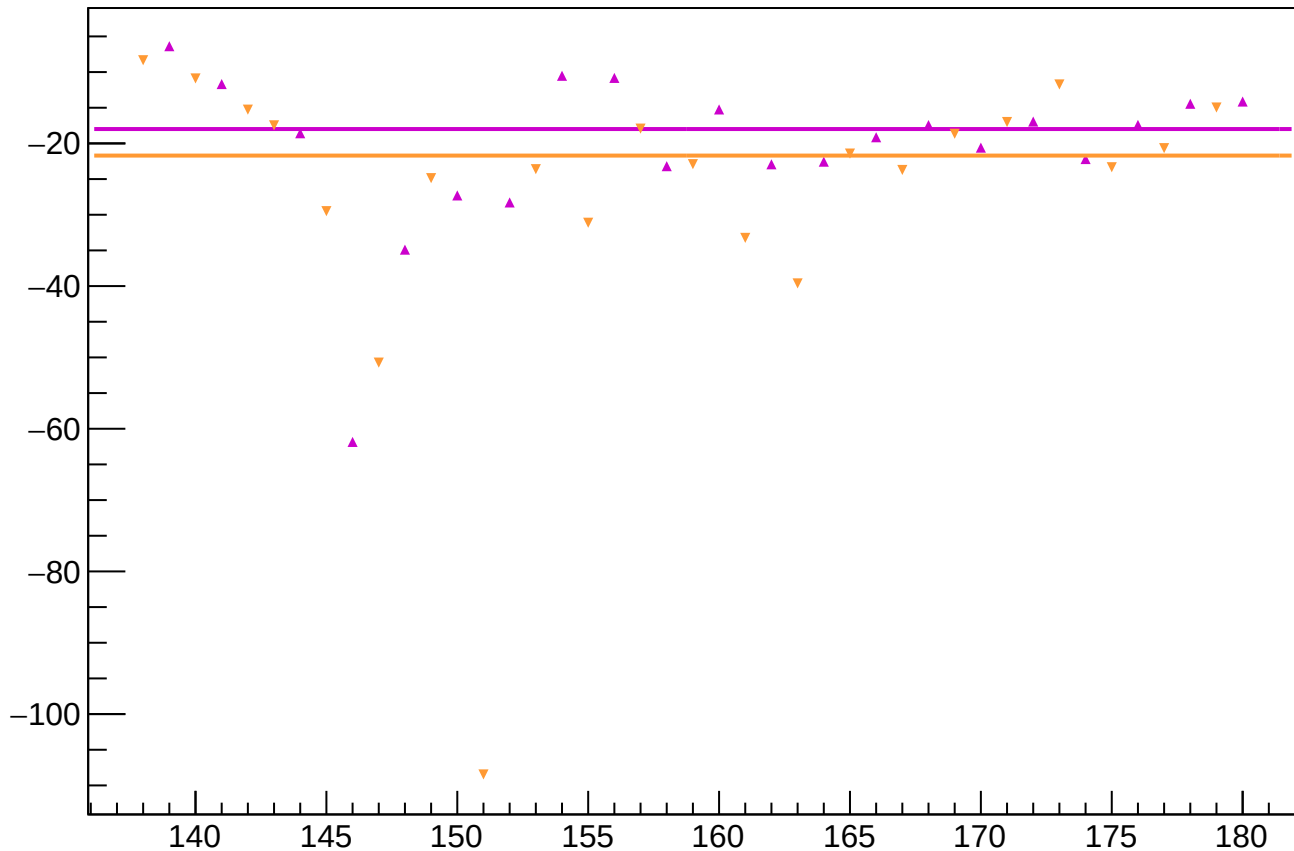
Left In: 0.079 ± 0.002 χ^2/NDF : 3390.5/20

+ sign 0.117 ± 0.002 χ^2/NDF : 5401.2/38

All: 0.107 ± 0.001 χ^2/NDF : 11092.1/78

- sign 0.100 ± 0.001 χ^2/NDF : 5630.1/39

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -21.706+/-0.046 χ^2/NDF : 65054.9/21

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

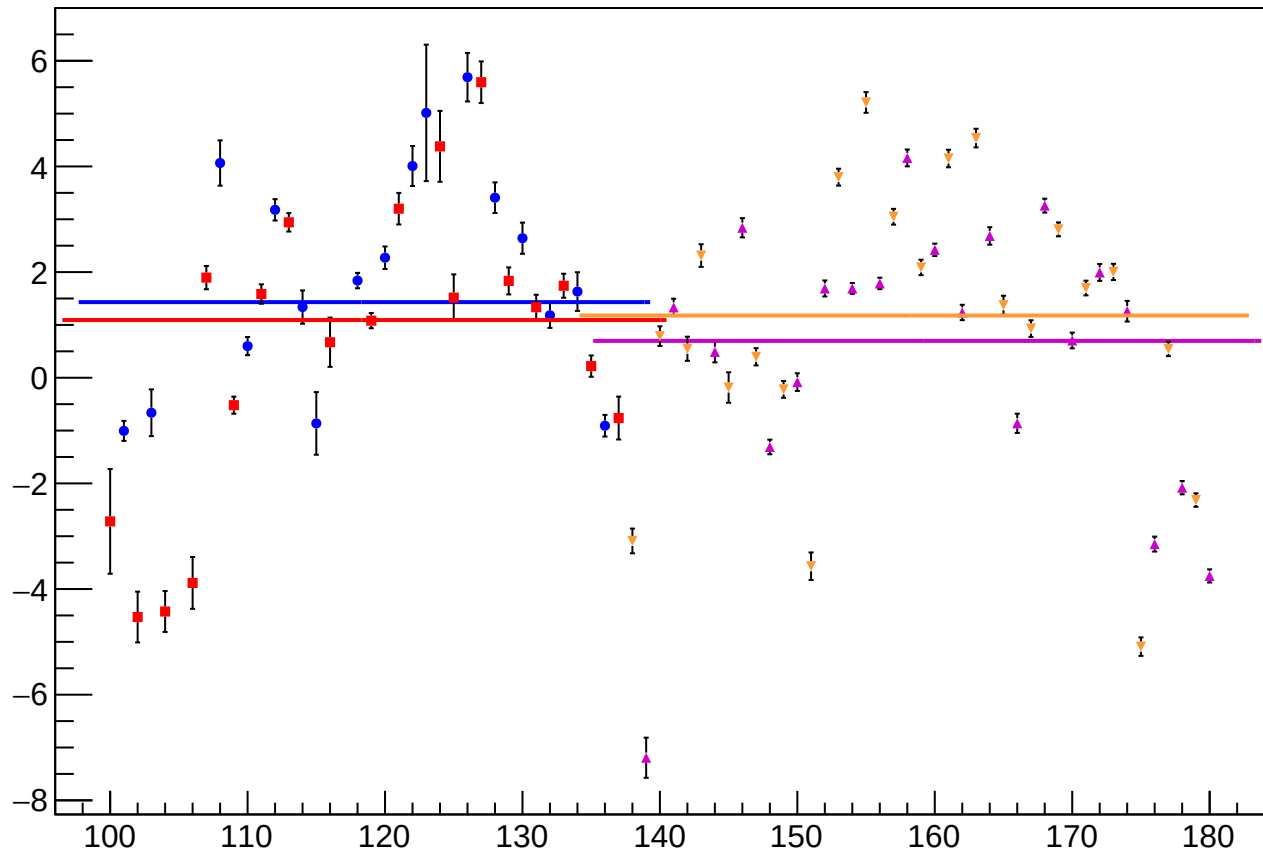
Left In: -17.985+/-0.041 χ^2/NDF : 39462.8/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -19.632+/-0.031 χ^2/NDF : 108161.7/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 1.178 ± 0.036 χ^2/NDF : 4648.7/21

Right Out: 1.092 ± 0.058 χ^2/NDF : 953.2/18

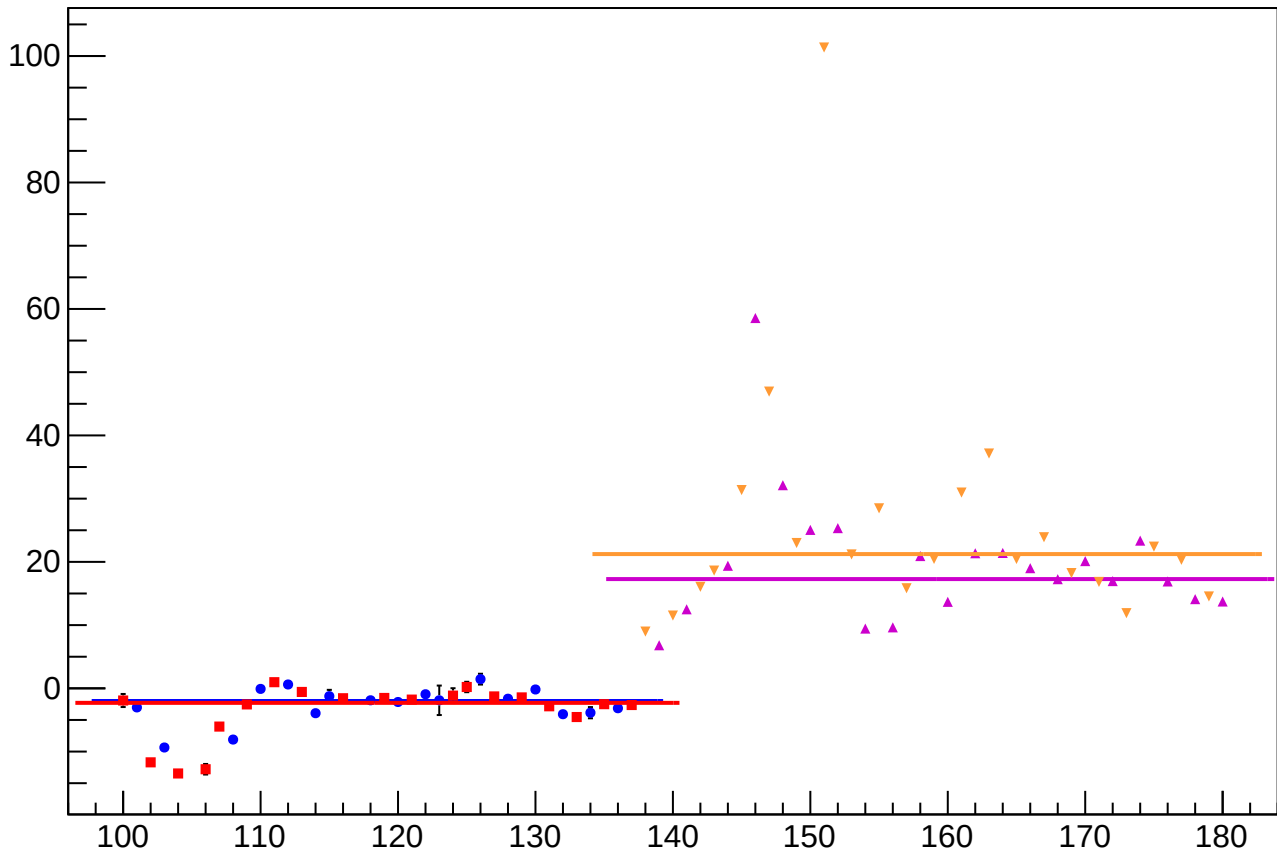
Left In: 0.697 ± 0.032 χ^2/NDF : 4903.7/20

+ sign 1.242 ± 0.031 χ^2/NDF : 5357.9/38

All: 0.994 ± 0.021 χ^2/NDF : 11368.4/78

- sign 0.790 ± 0.028 χ^2/NDF : 5892.6/39

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 $\chi^2/\text{NDF}: 463.1/16$

Left Out: 21.233 ± 0.046 $\chi^2/\text{NDF}: 58316.8/21$

Right Out: -2.295 ± 0.098 $\chi^2/\text{NDF}: 907.2/18$

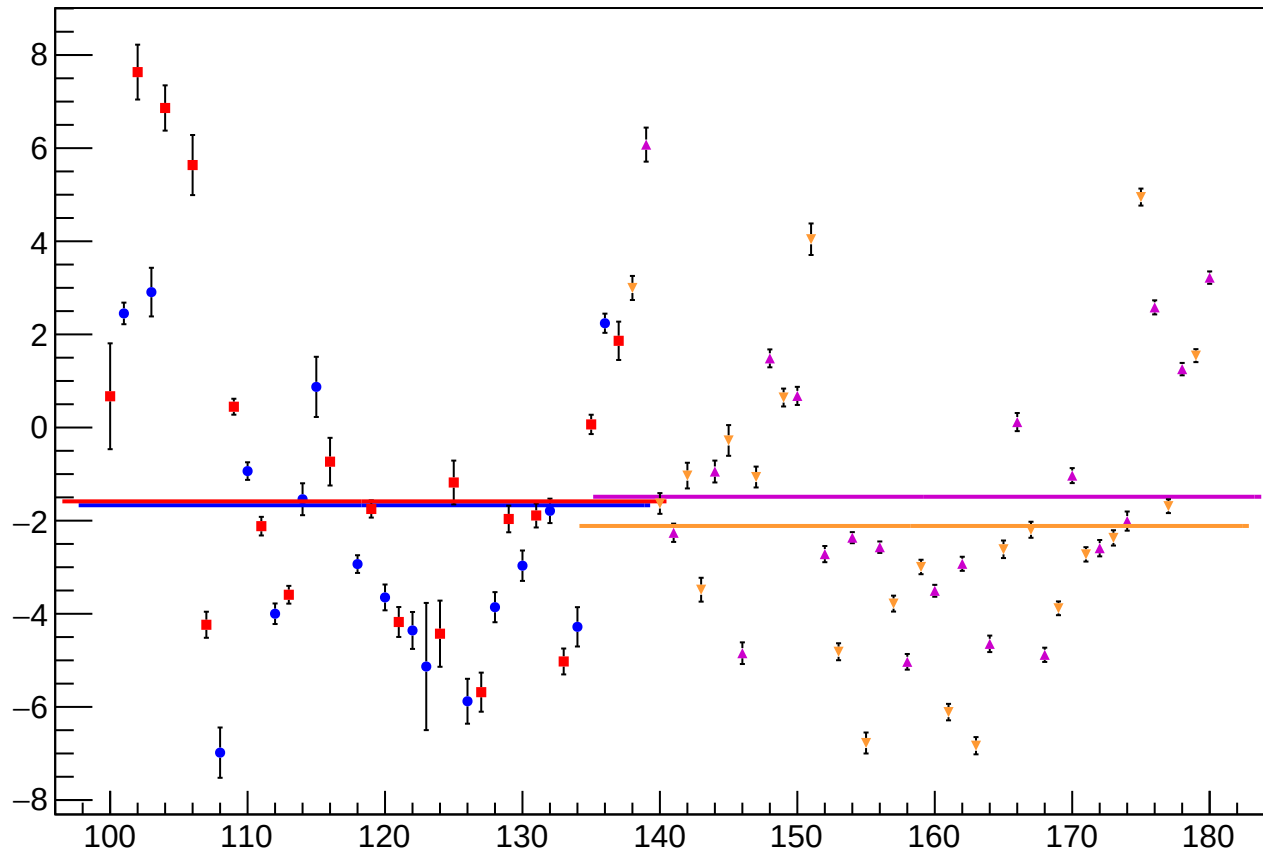
Left In: 17.280 ± 0.040 $\chi^2/\text{NDF}: 37396.5/20$

+ sign 17.865 ± 0.042 $\chi^2/\text{NDF}: 96447.4/38$

All: 15.963 ± 0.028 $\chi^2/\text{NDF}: 172245.5/78$

- sign 14.477 ± 0.037 $\chi^2/\text{NDF}: 72171.2/39$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.114 ± 0.040 χ^2/NDF : 5325.0/21

Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18

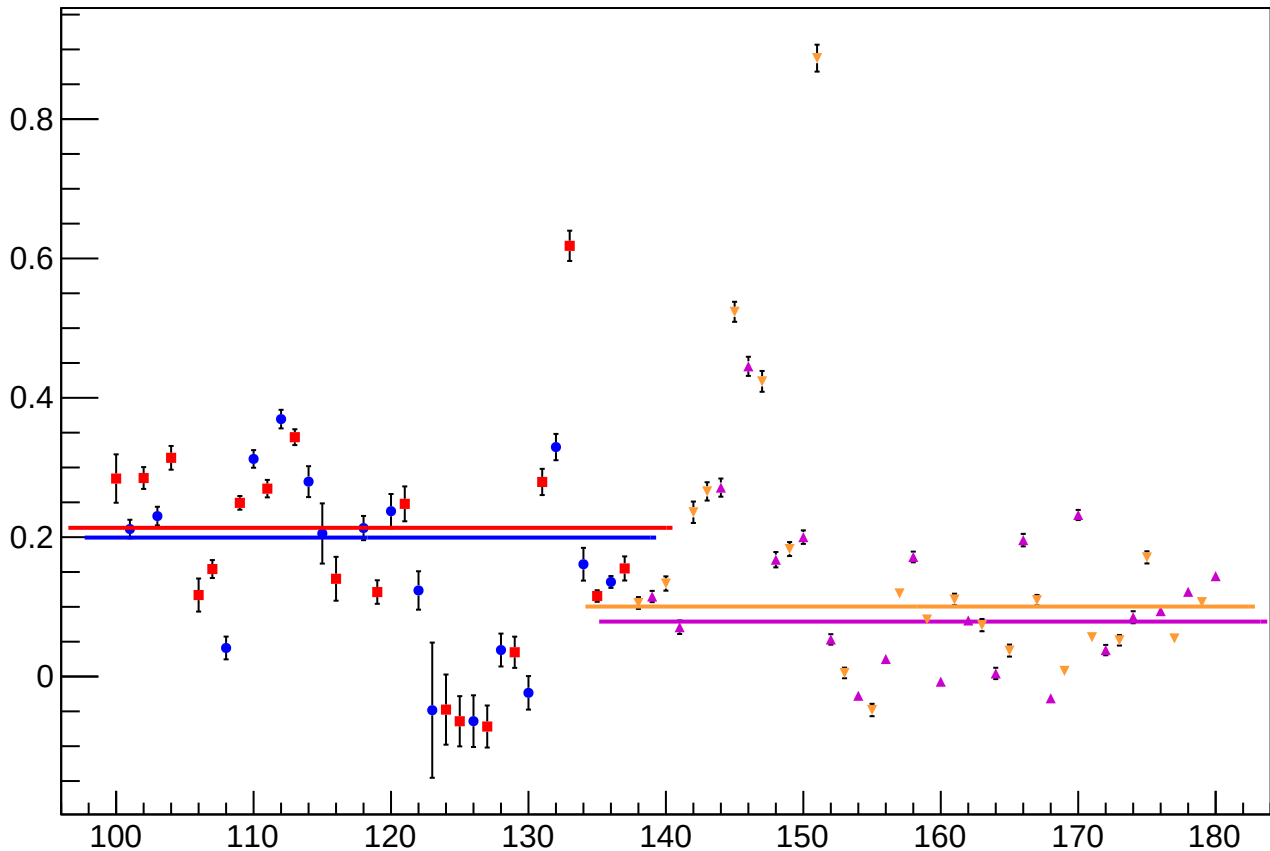
Left In: -1.487 ± 0.036 χ^2/NDF : 5316.1/20

+ sign -2.007 ± 0.035 χ^2/NDF : 6669.9/38

All: -1.732 ± 0.023 χ^2/NDF : 13595.5/78

- sign -1.509 ± 0.031 χ^2/NDF : 6812.5/39

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.100 ± 0.002 χ^2/NDF : 4211.1/21

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

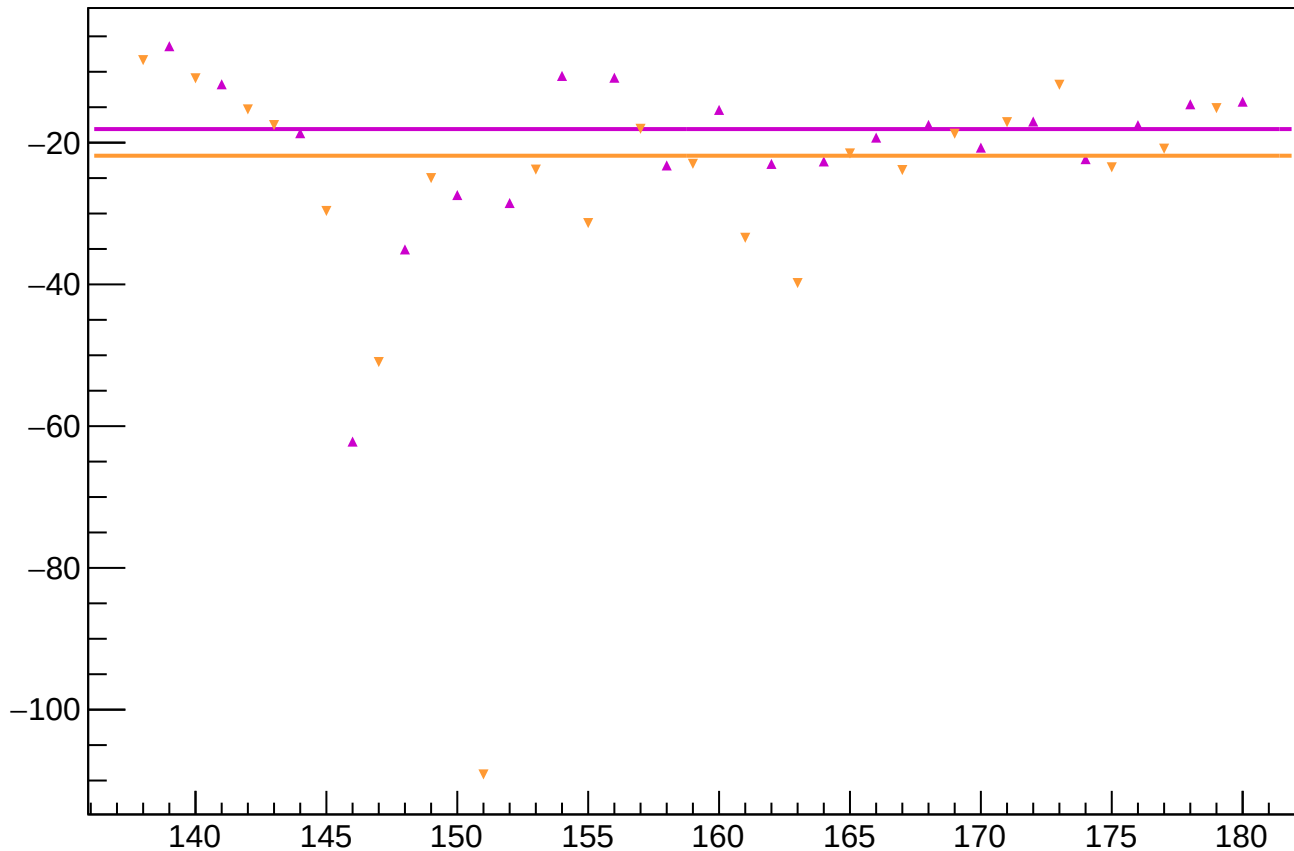
Left In: 0.079 ± 0.002 χ^2/NDF : 3363.4/20

+ sign 0.116 ± 0.002 χ^2/NDF : 5356.8/38

All: 0.107 ± 0.001 χ^2/NDF : 10957.4/78

- sign 0.100 ± 0.001 χ^2/NDF : 5543.5/39

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -21.843 $\pm$ 0.046 χ^2/NDF : 65105.6/21

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

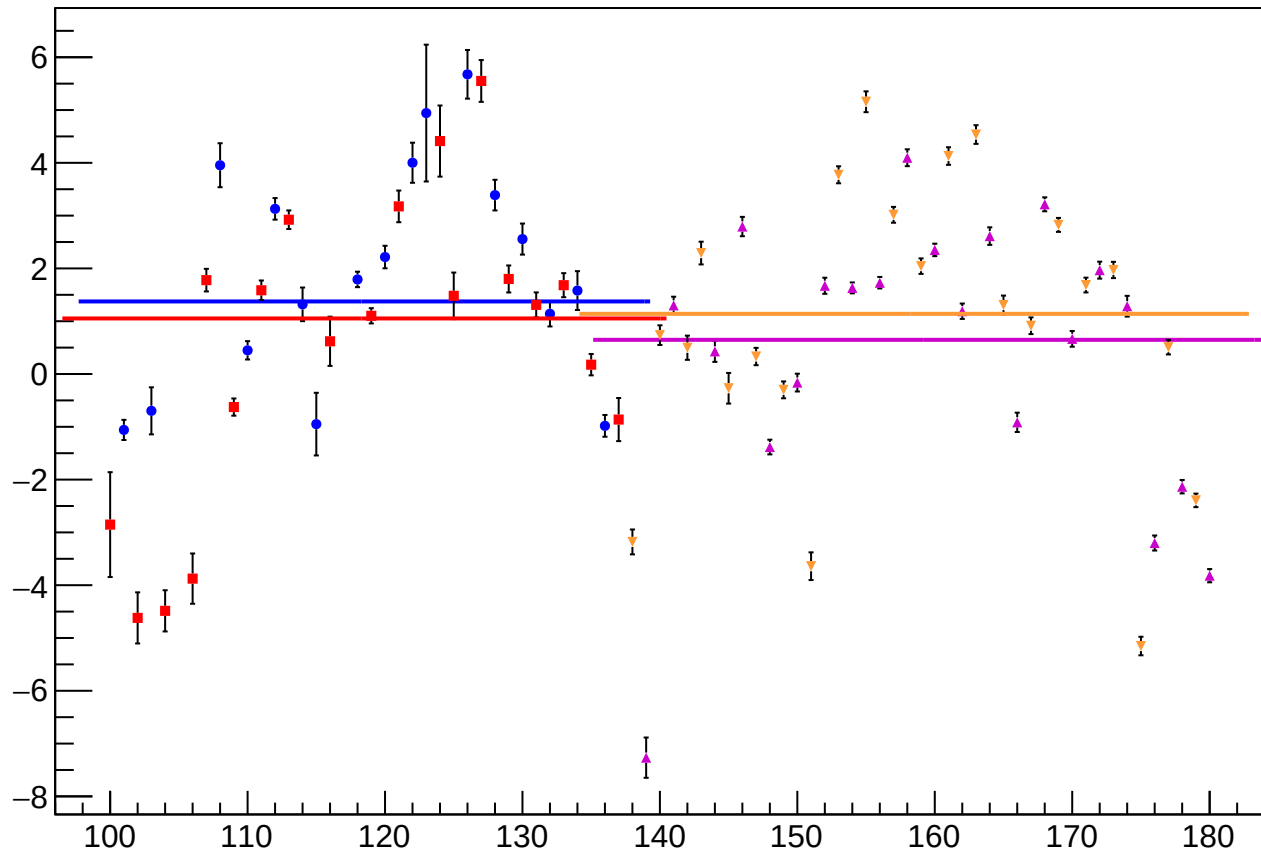
Left In: -18.085 $\pm$ 0.041 χ^2/NDF : 39503.2/20

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

All: -19.747 $\pm$ 0.031 χ^2/NDF : 108294.9/42

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

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: 1.140 ± 0.036 χ^2/NDF : 4675.6/21

Right Out: 1.052 ± 0.058 χ^2/NDF : 964.0/18

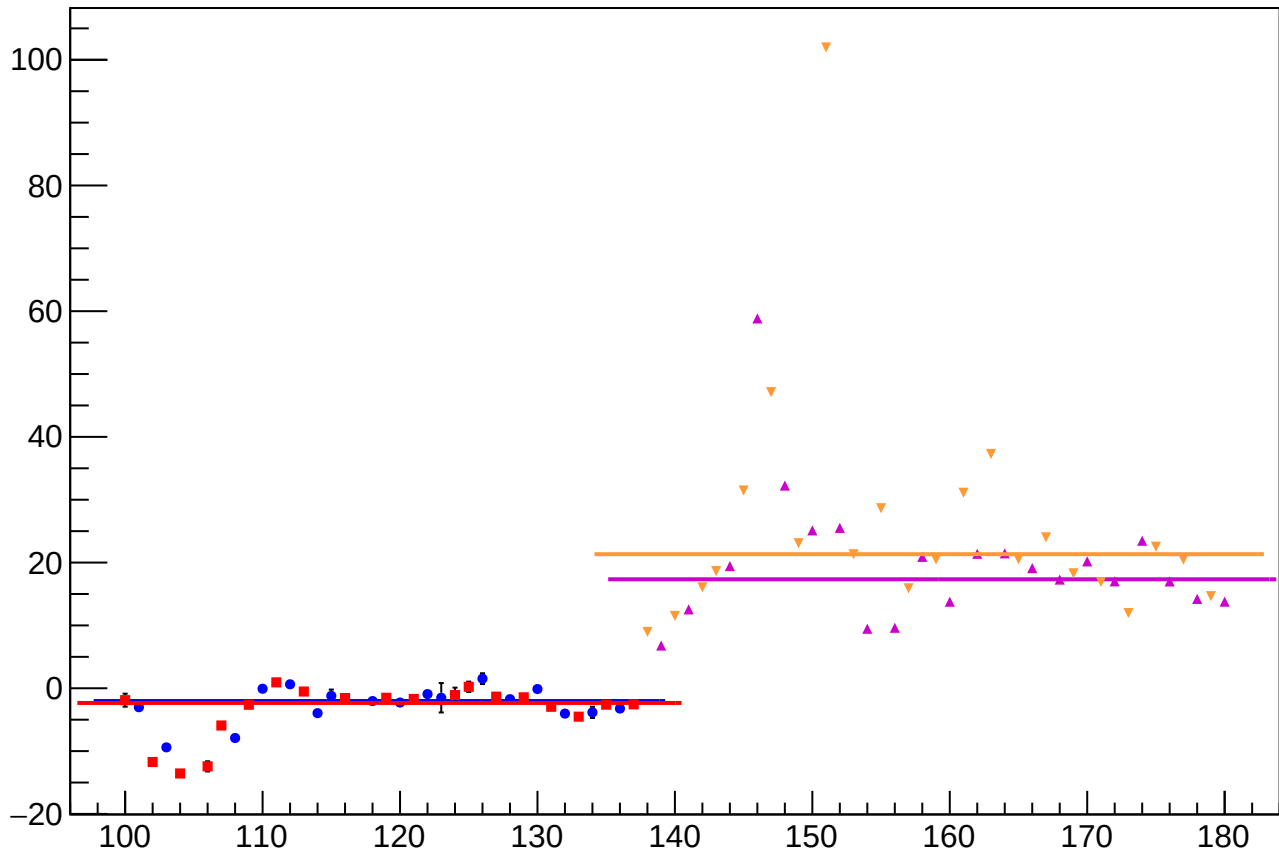
Left In: 0.648 ± 0.032 χ^2/NDF : 4882.5/20

+ sign 1.199 ± 0.031 χ^2/NDF : 5388.8/38

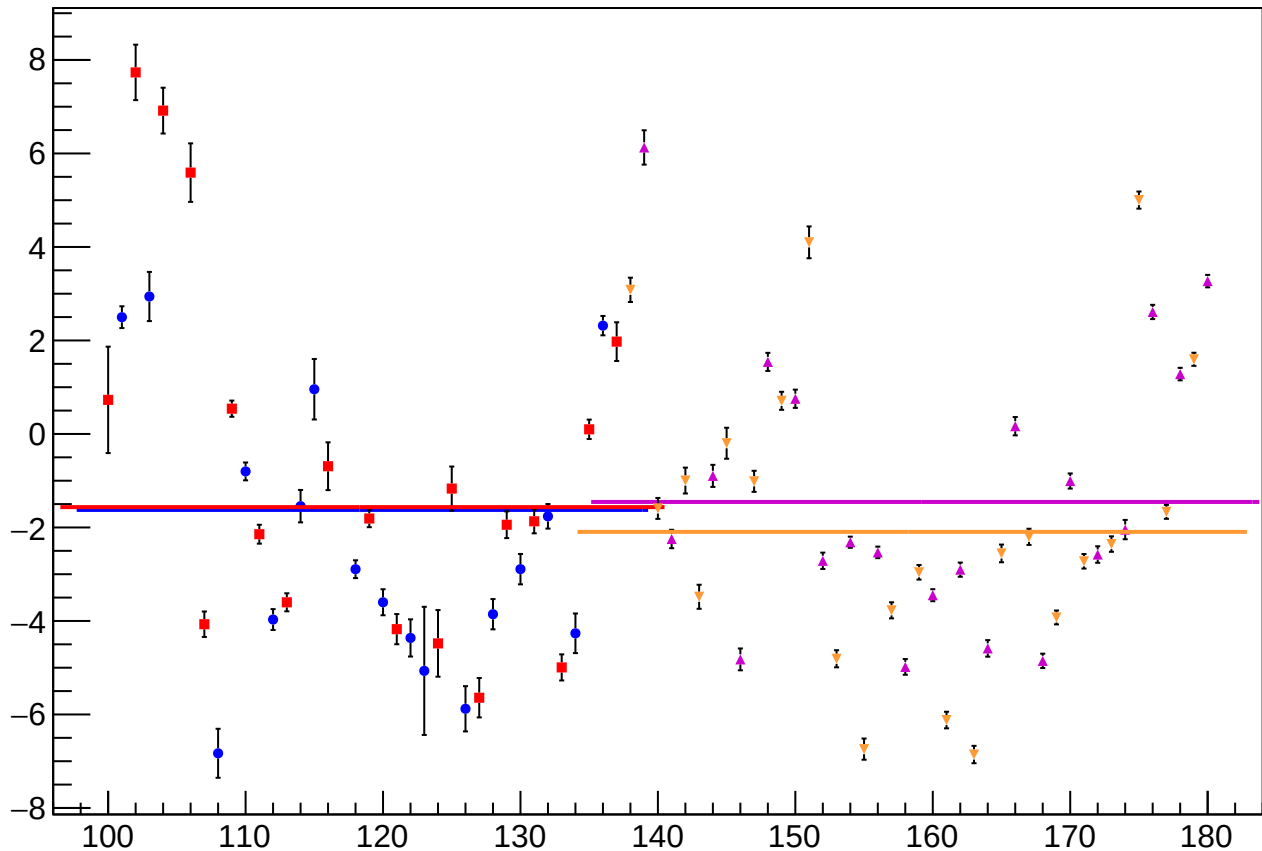
All: 0.948 ± 0.021 χ^2/NDF : 11391.6/78

- sign 0.743 ± 0.028 χ^2/NDF : 5883.8/39

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 $\pm$ 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.094 $\pm$ 0.040 χ^2/NDF : 5357.5/21

Right Out: -1.565 $\pm$ 0.066 χ^2/NDF : 1505.8/18

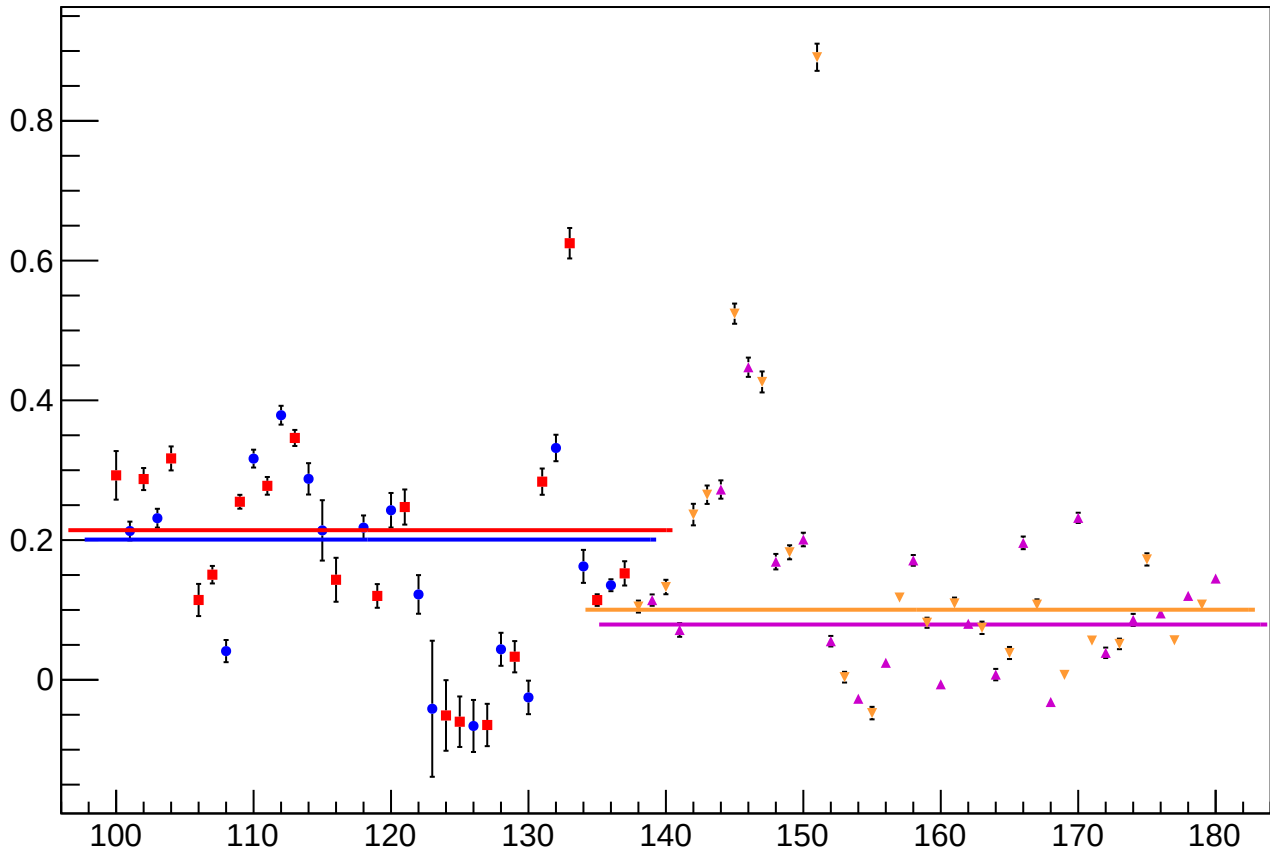
Left In: -1.454 $\pm$ 0.036 χ^2/NDF : 5285.4/20

+ sign -1.981 $\pm$ 0.035 χ^2/NDF : 6711.3/38

All: -1.704 $\pm$ 0.023 χ^2/NDF : 13618.6/78

- sign -1.480 $\pm$ 0.031 χ^2/NDF : 6793.3/39

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.100 ± 0.002 χ^2/NDF : 4195.8/21

Right Out: 0.214 ± 0.004 χ^2/NDF : 1080.4/18

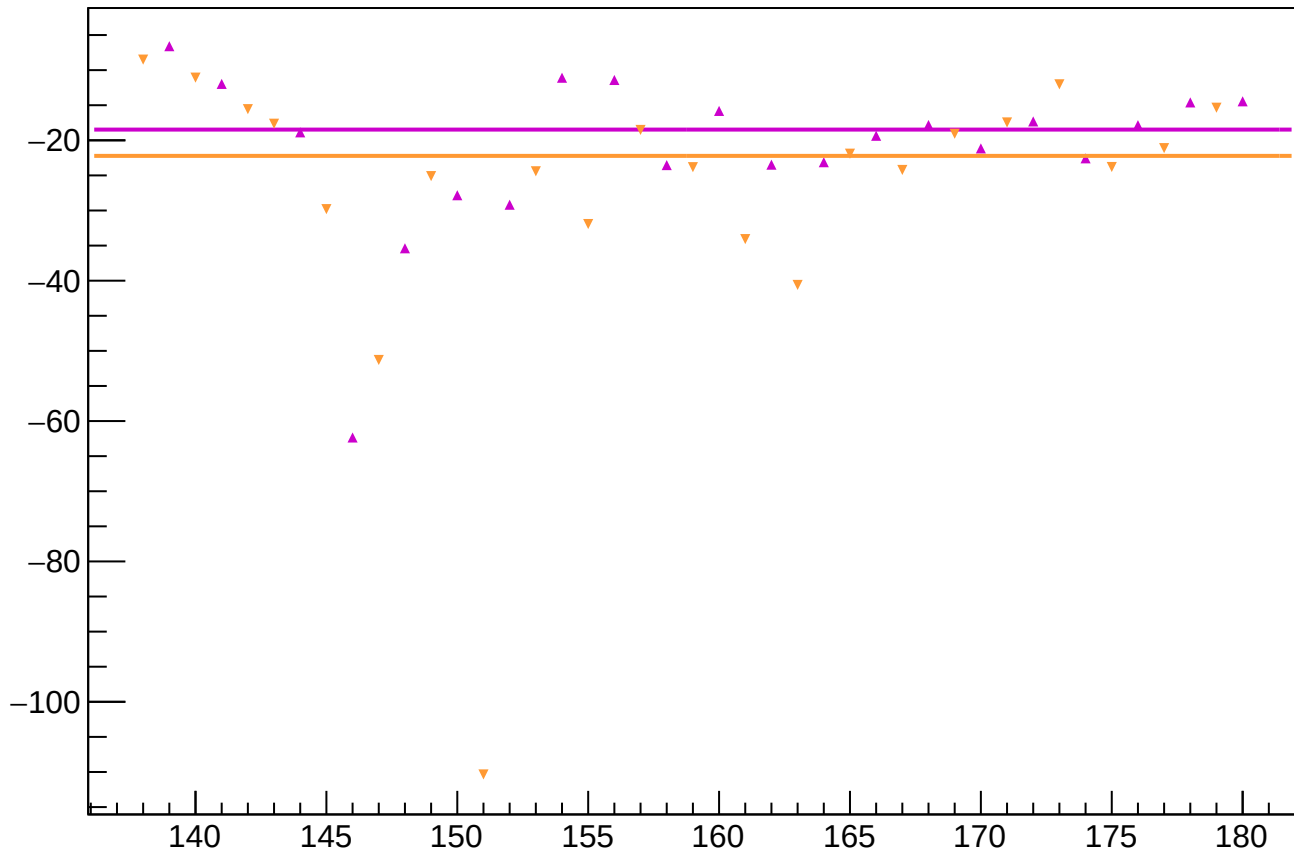
Left In: 0.079 ± 0.002 χ^2/NDF : 3339.8/20

+ sign 0.116 ± 0.002 χ^2/NDF : 5379.9/38

All: 0.107 ± 0.001 χ^2/NDF : 10989.3/78

- sign 0.100 ± 0.001 χ^2/NDF : 5554.6/39

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -22.217+/-0.047 χ^2/NDF : 64992.9/21

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

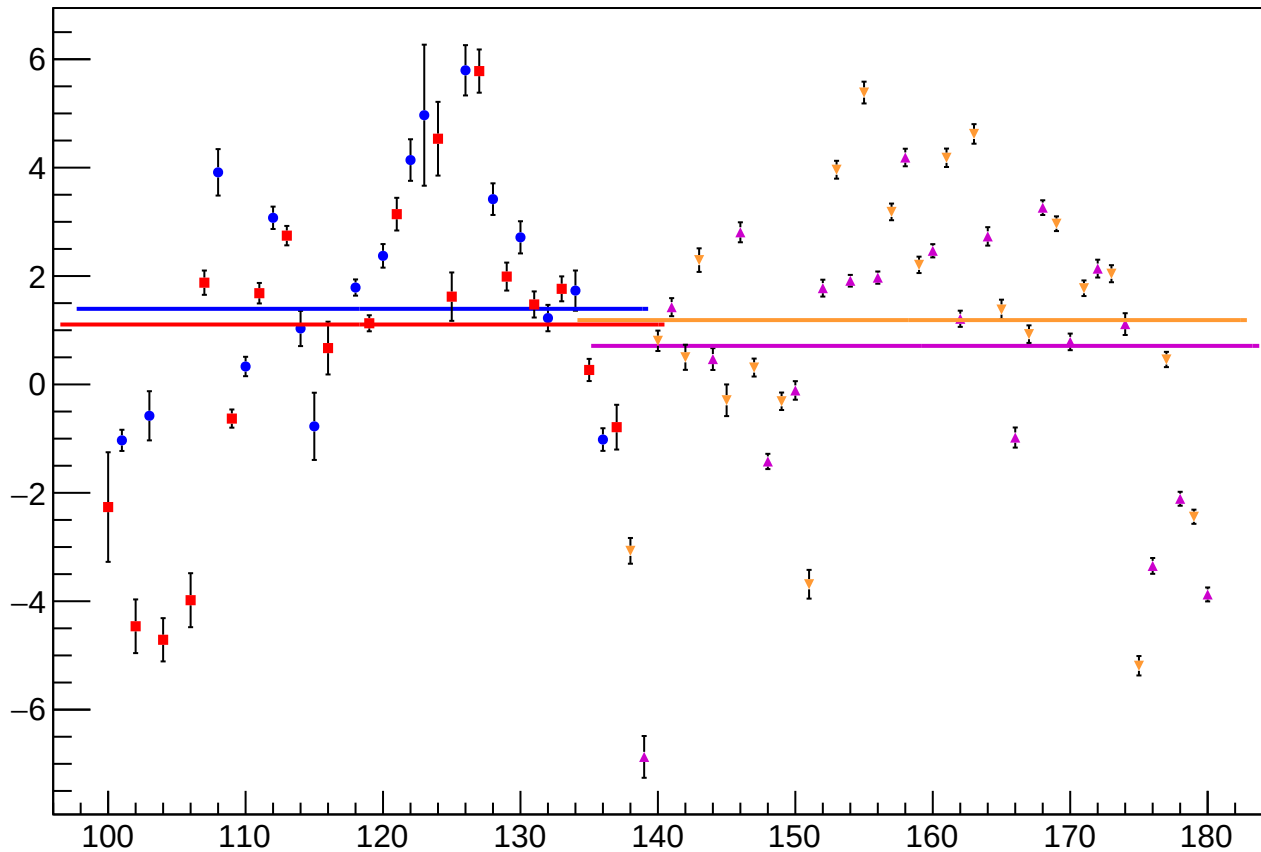
Left In: -18.472+/-0.042 χ^2/NDF : 38545.1/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.134+/-0.031 χ^2/NDF : 107047.5/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 ± 0.063 χ^2/NDF : 701.4/16

Left Out: 1.187 ± 0.037 χ^2/NDF : 4729.4/21

Right Out: 1.106 ± 0.059 χ^2/NDF : 937.0/18

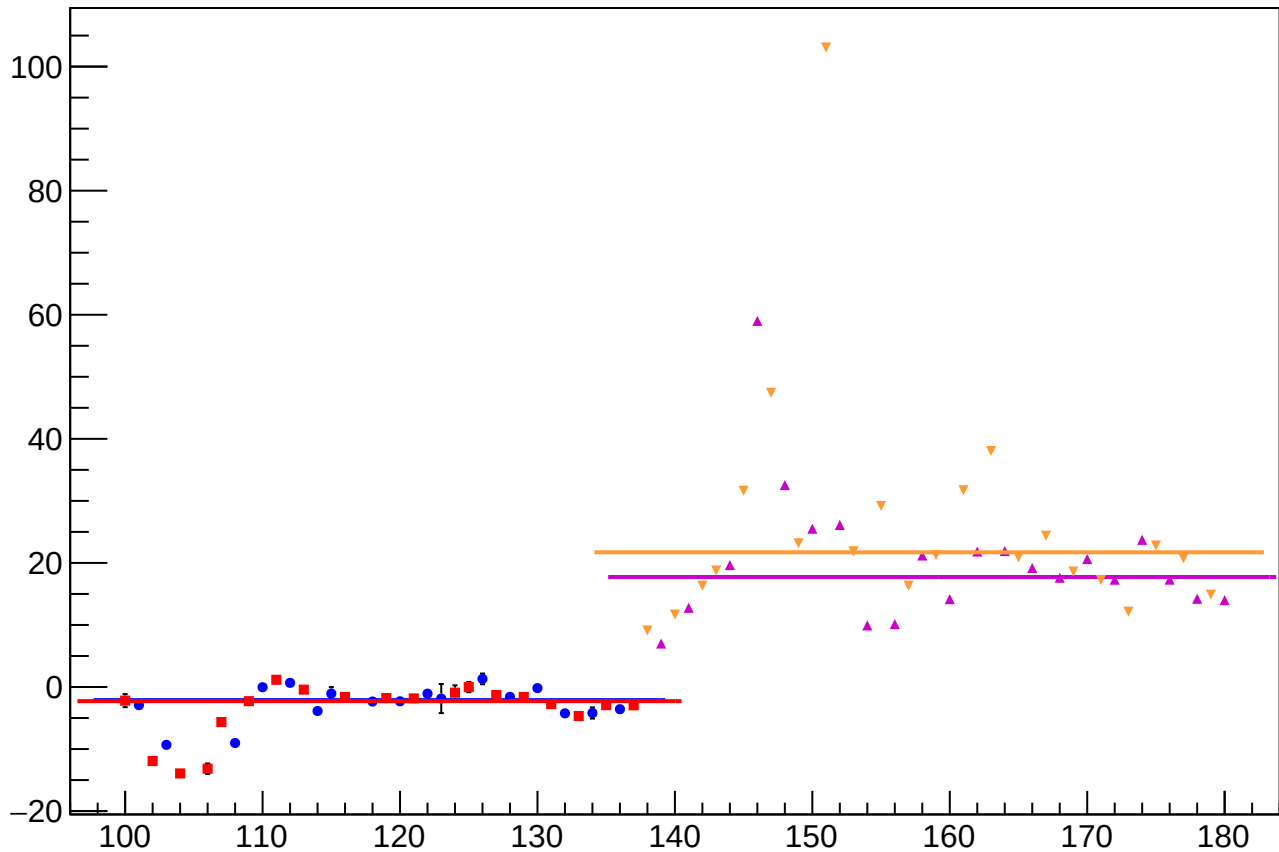
Left In: 0.711 ± 0.033 χ^2/NDF : 4942.6/20

+ sign 1.239 ± 0.032 χ^2/NDF : 5438.9/38

All: 1.001 ± 0.021 χ^2/NDF : 11456.2/78

- sign 0.804 ± 0.029 χ^2/NDF : 5913.5/39

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 21.712 ± 0.047 χ^2/NDF : 58140.4/21

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

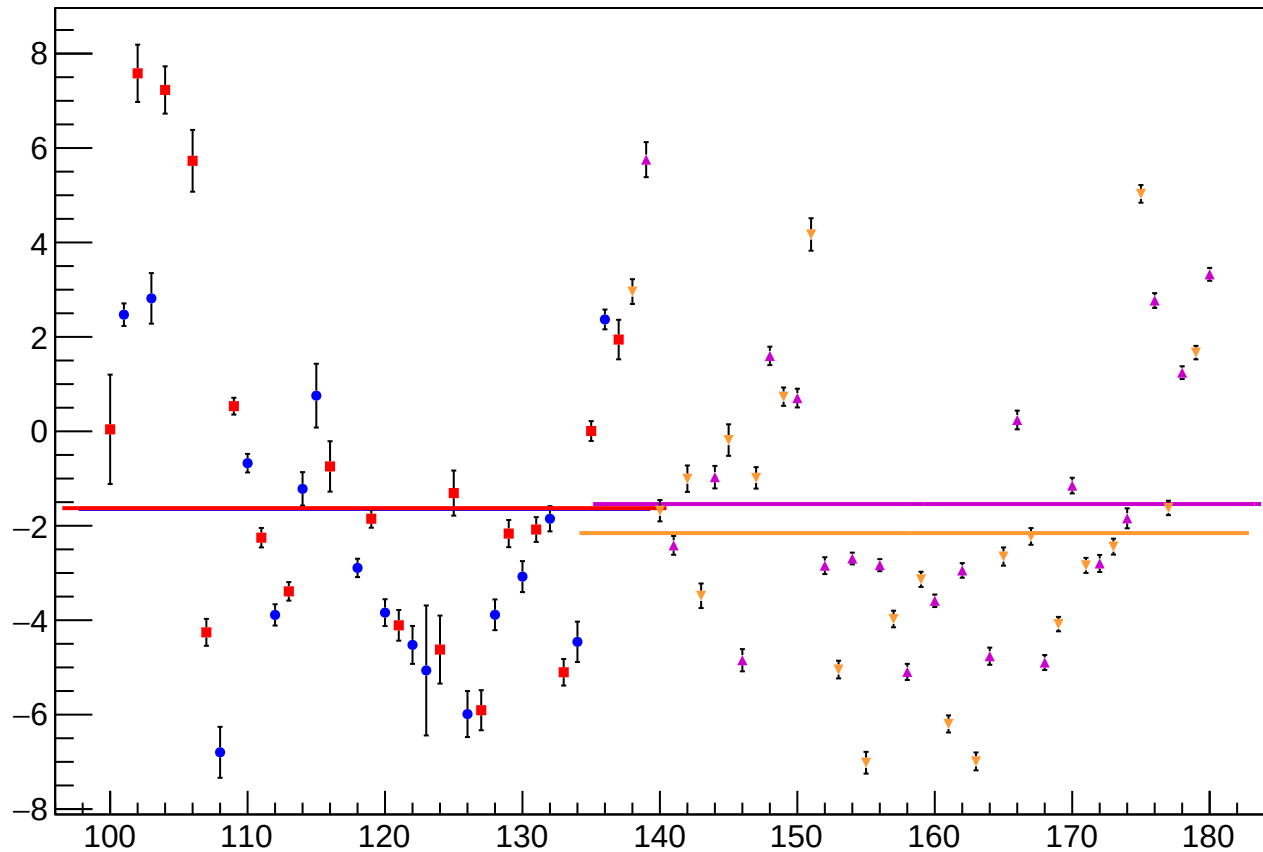
Left In: 17.730 ± 0.041 χ^2/NDF : 36340.3/20

+ sign 18.248 ± 0.043 χ^2/NDF : 96438.2/38

All: 16.350 ± 0.029 χ^2/NDF : 170731.0/78

- sign 14.859 ± 0.038 χ^2/NDF : 70842.7/39

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 $\pm$ 0.072 χ^2/NDF : 1310.1/16

Left Out: -2.155 $\pm$ 0.041 χ^2/NDF : 5414.5/21

Right Out: -1.627 $\pm$ 0.067 χ^2/NDF : 1468.1/18

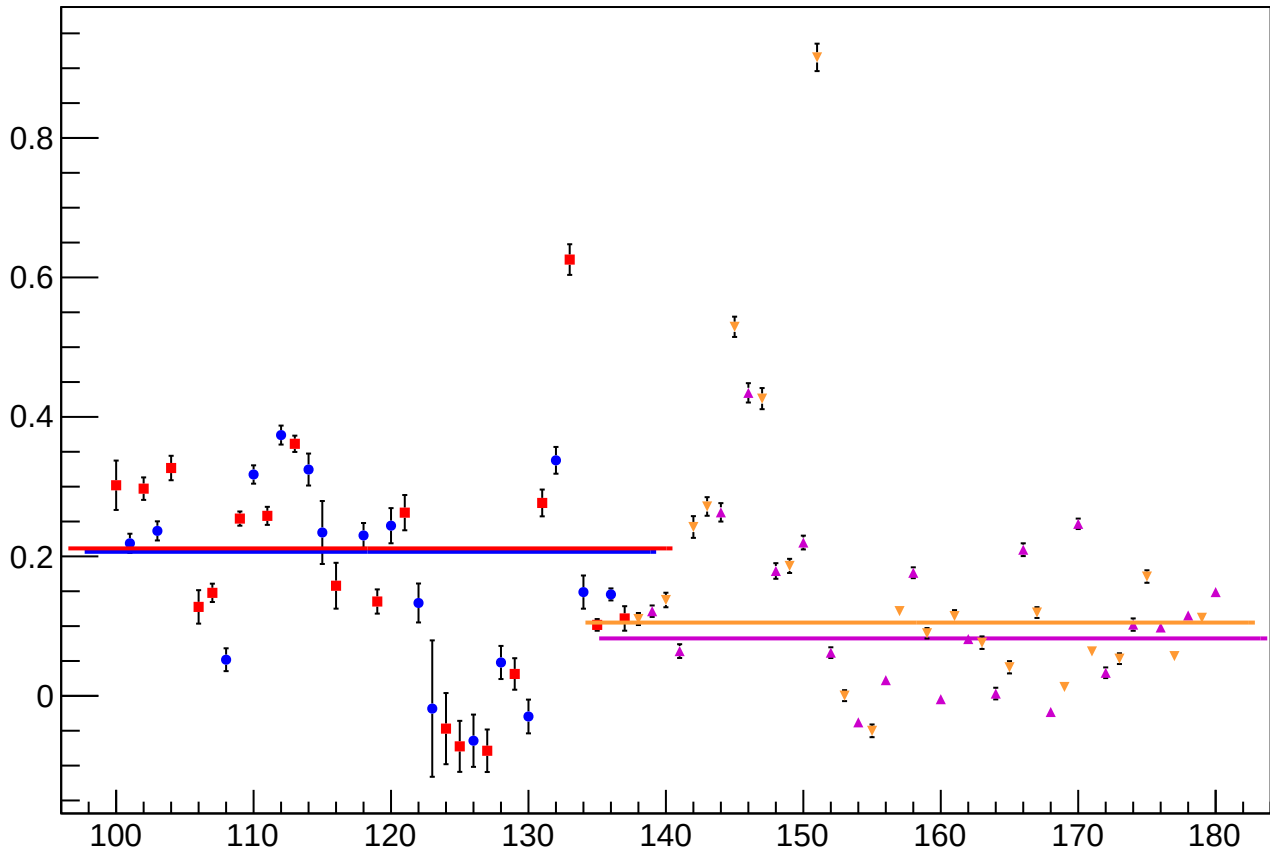
Left In: -1.540 $\pm$ 0.037 χ^2/NDF : 5347.5/20

+ sign -2.031 $\pm$ 0.036 χ^2/NDF : 6762.4/38

All: -1.772 $\pm$ 0.024 χ^2/NDF : 13675.8/78

- sign -1.560 $\pm$ 0.032 χ^2/NDF : 6816.9/39

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16

Left Out: 0.105 $\pm$ 0.002 χ^2/NDF :4220.2/21

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

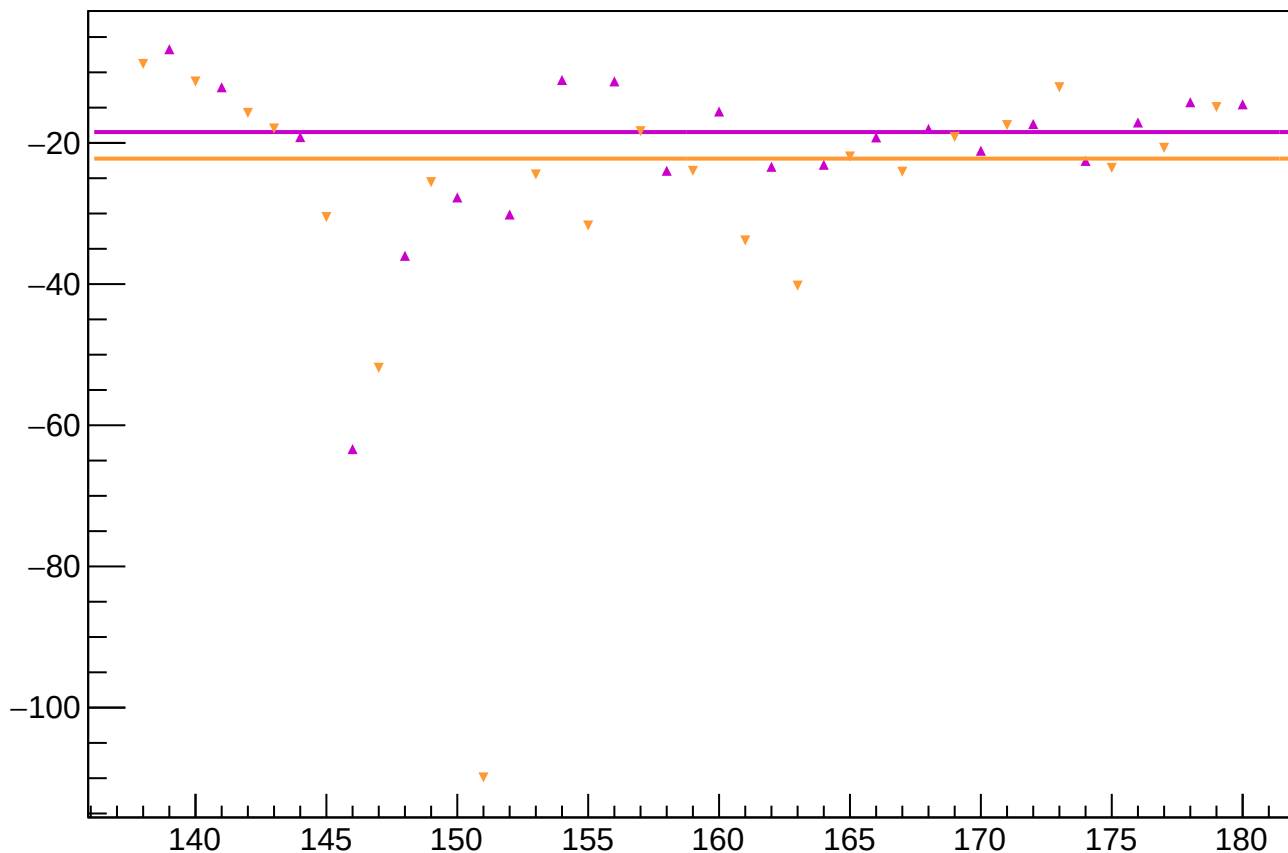
Left In: 0.082 $\pm$ 0.002 χ^2/NDF :3417.6/20

+ sign 0.121 $\pm$ 0.002 χ^2/NDF : 5361.9/38

All: 0.111 $\pm$ 0.001 χ^2/NDF : 10989.0/78

- sign 0.102 $\pm$ 0.001 χ^2/NDF : 5556.9/39

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -22.220+/-0.047 χ^2/NDF : 64232.0/21

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

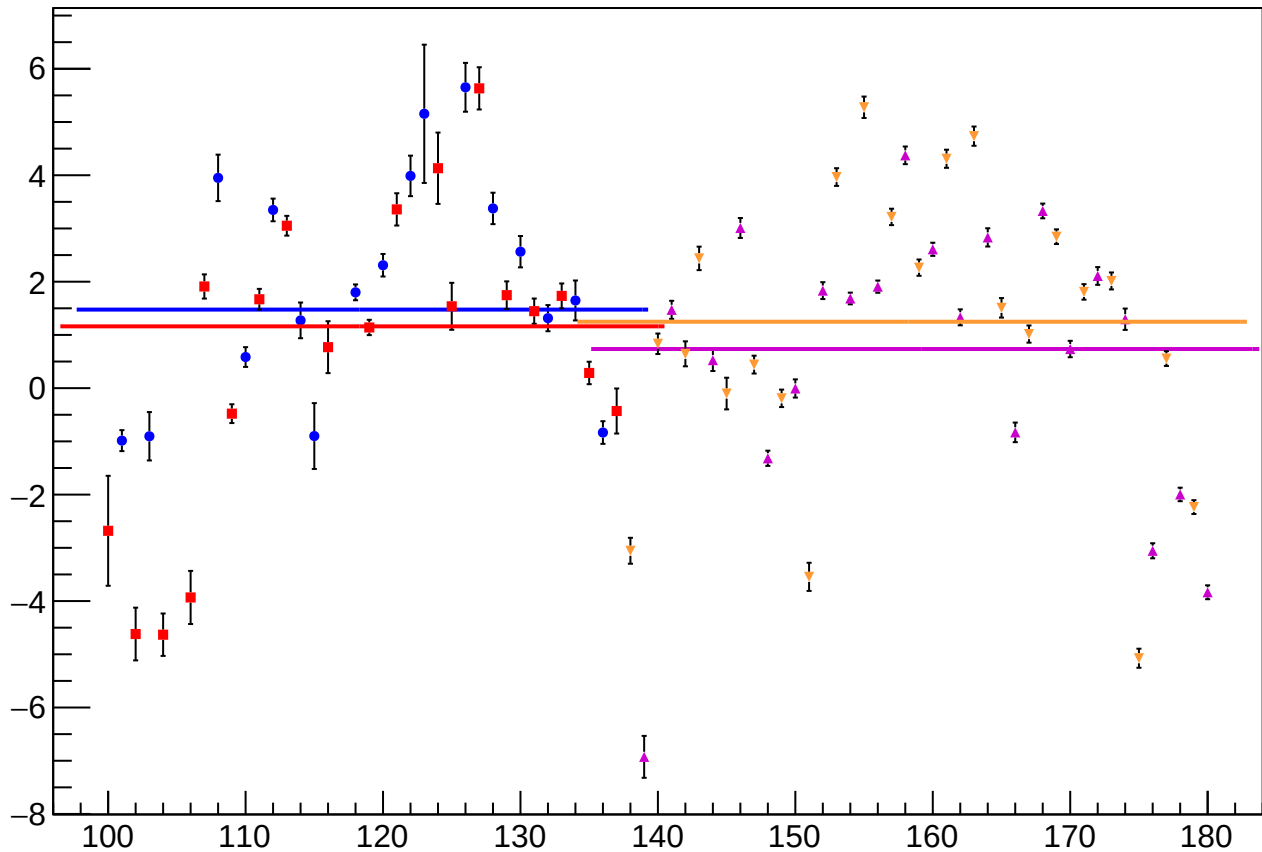
Left In: -18.461+/-0.042 χ^2/NDF : 39106.0/20

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.131+/-0.032 χ^2/NDF : 106828.9/42

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 1.248 ± 0.037 χ^2/NDF : 4540.2/21

Right Out: 1.161 ± 0.060 χ^2/NDF : 917.9/18

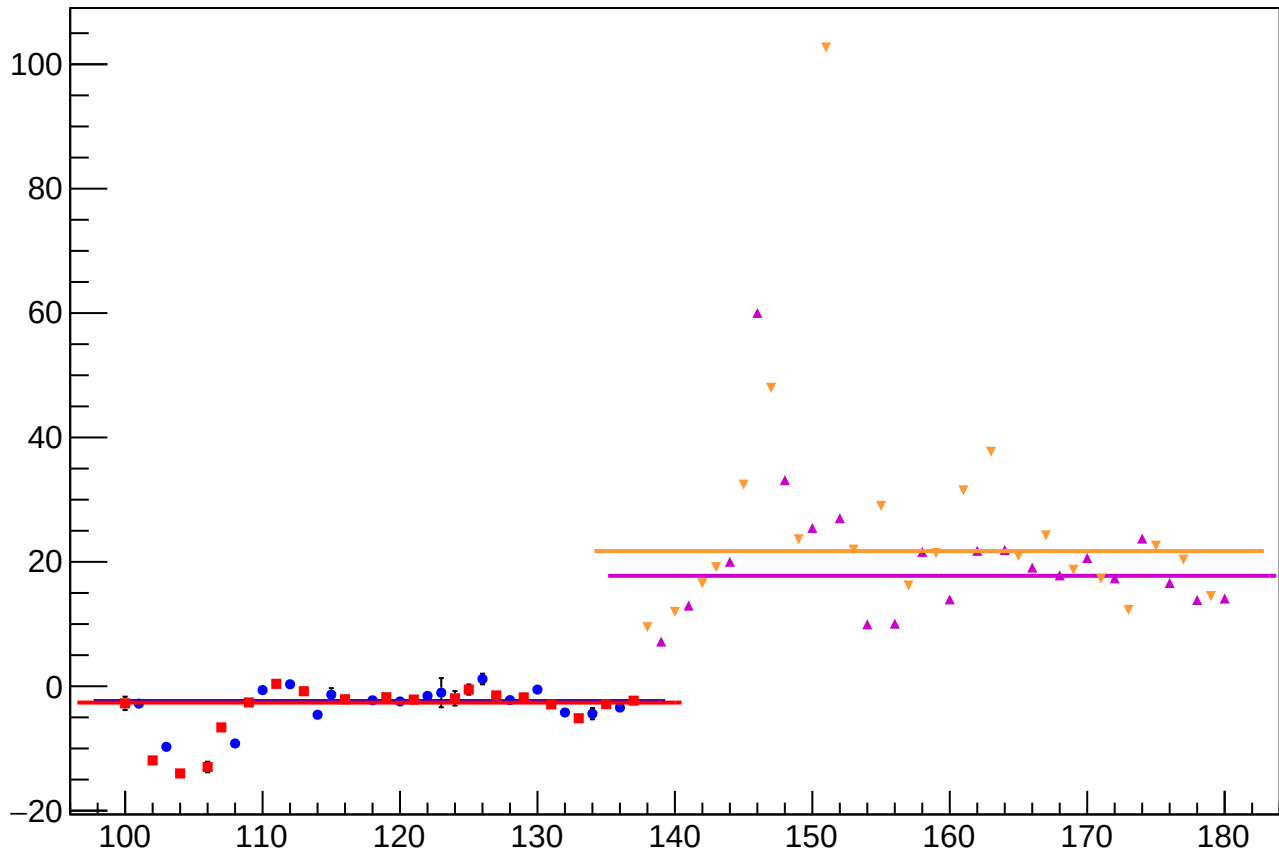
Left In: 0.735 ± 0.033 χ^2/NDF : 4779.8/20

+ sign 1.305 ± 0.032 χ^2/NDF : 5209.5/38

All: 1.048 ± 0.021 χ^2/NDF : 11065.0/78

- sign 0.835 ± 0.029 χ^2/NDF : 5736.3/39

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 21.736 ± 0.047 χ^2/NDF : 57609.4/21

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

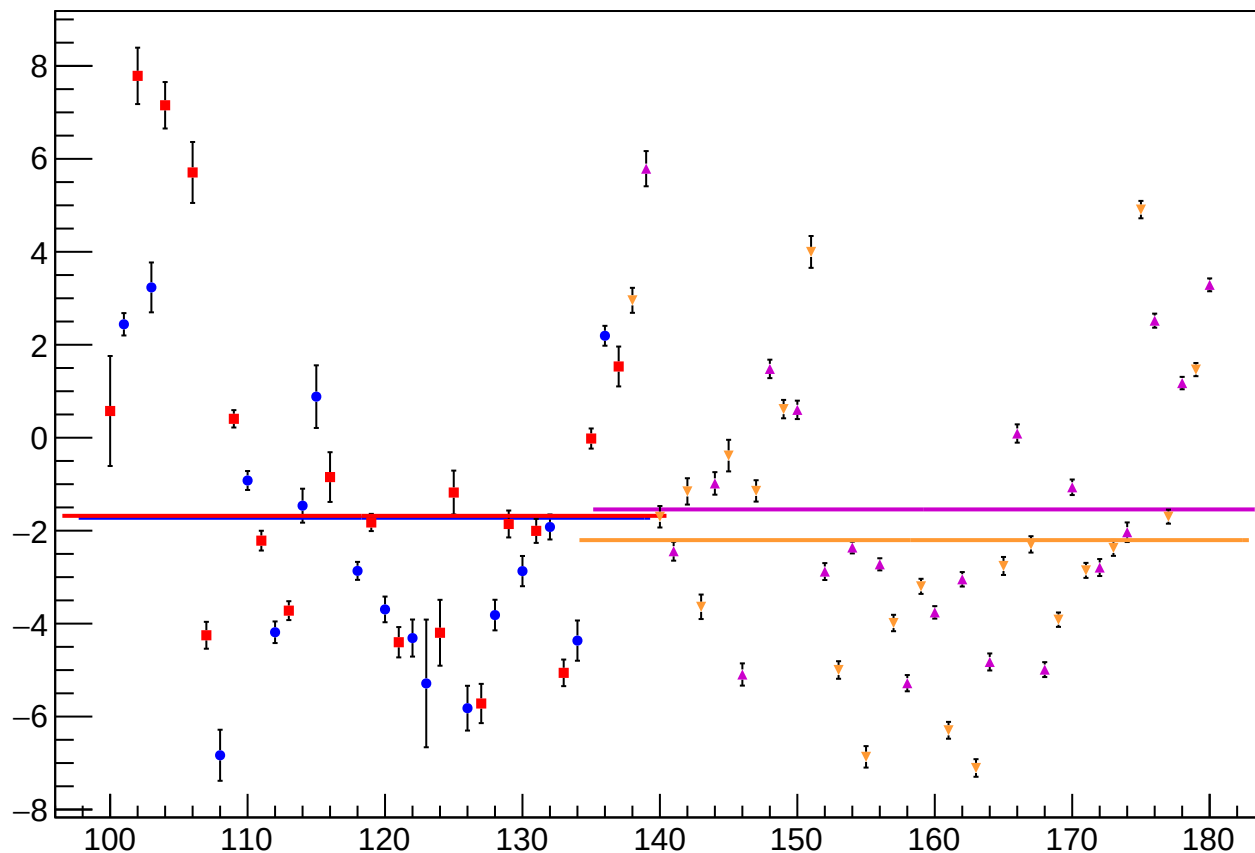
Left In: 17.757 ± 0.042 χ^2/NDF : 36890.5/20

+ sign 18.290 ± 0.043 χ^2/NDF : 95720.8/38

All: 16.398 ± 0.029 χ^2/NDF : 170341.9/78

- sign 14.904 ± 0.039 χ^2/NDF : 71233.3/39

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -2.204 ± 0.041 χ^2/NDF : 5213.7/21

Right Out: -1.681 ± 0.068 χ^2/NDF : 1431.0/18

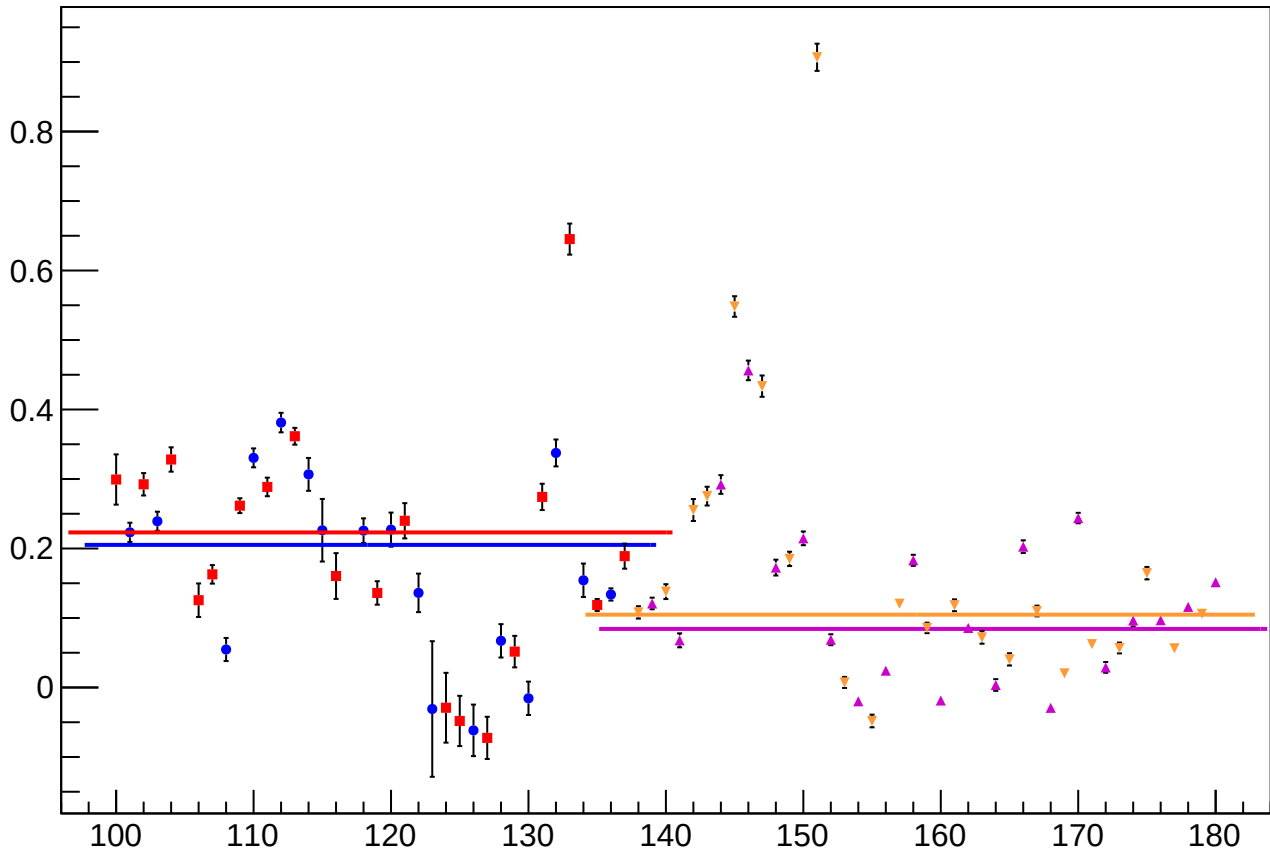
Left In: -1.543 ± 0.037 χ^2/NDF : 5230.4/20

+ sign -2.088 ± 0.036 χ^2/NDF : 6494.2/38

All: -1.806 ± 0.024 χ^2/NDF : 13271.4/78

- sign -1.575 ± 0.032 χ^2/NDF : 6664.5/39

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.105 ± 0.002 χ^2/NDF : 4190.5/21

Right Out: 0.223 ± 0.004 χ^2/NDF : 1040.5/18

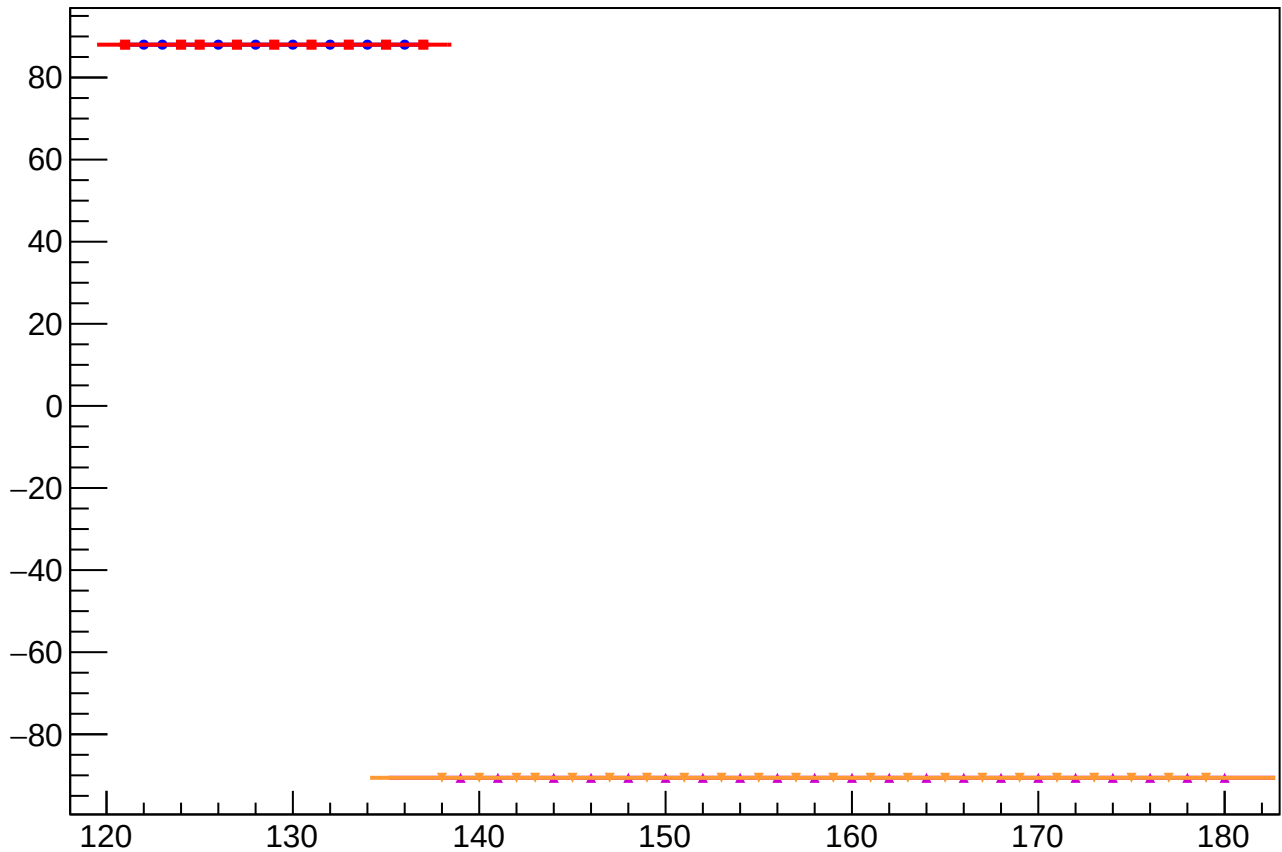
Left In: 0.084 ± 0.002 χ^2/NDF : 3383.3/20

+ sign 0.121 ± 0.002 χ^2/NDF : 5306.1/38

All: 0.112 ± 0.001 χ^2/NDF : 10883.1/78

- sign 0.105 ± 0.001 χ^2/NDF : 5532.2/39

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5440893.6/21

Right Out: 88.001 $\pm$ 0.000 χ^2 /NDF: 109456.0/8

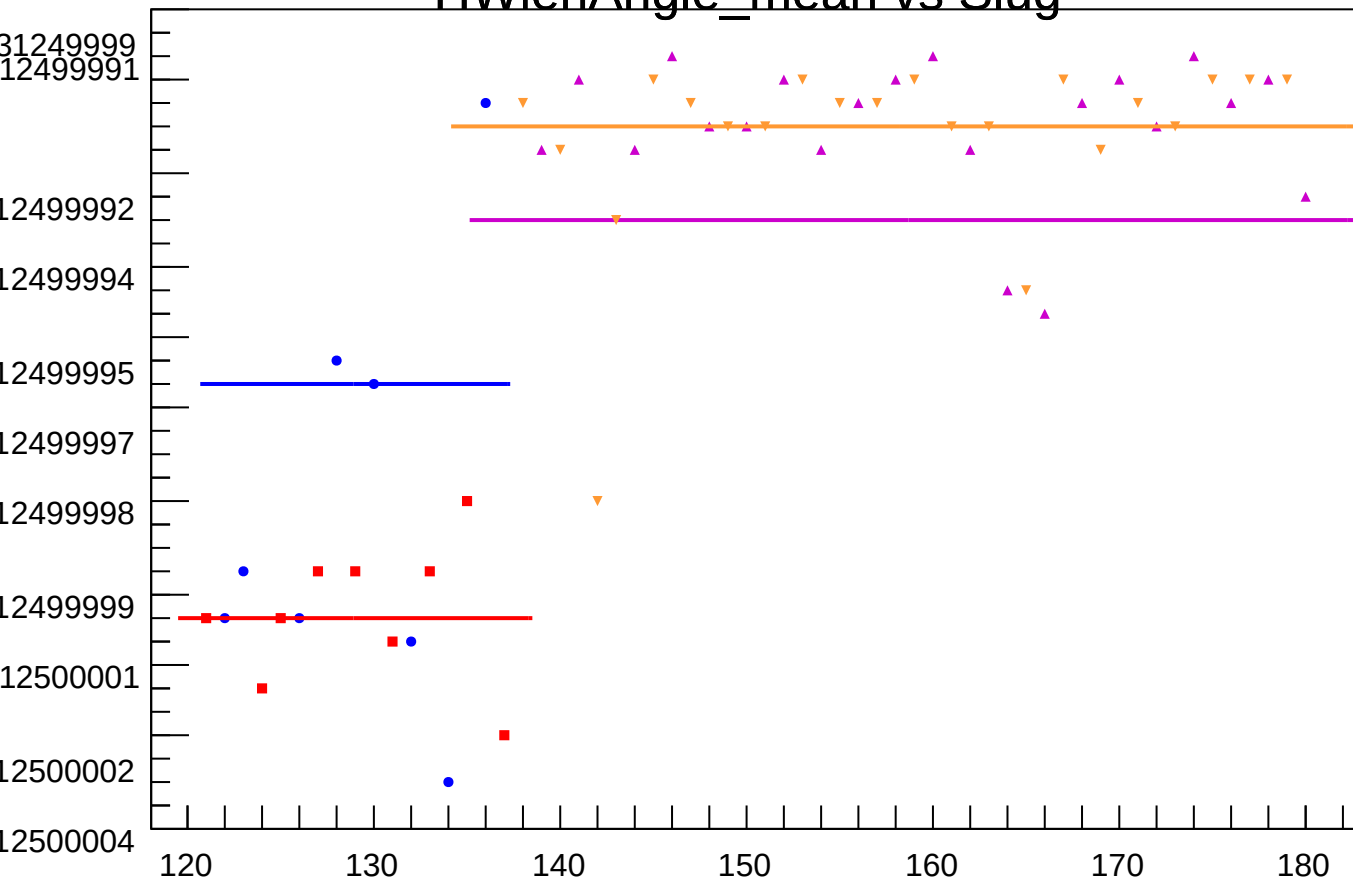
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5541867.8/20

+ sign -60.948 $\pm$ 0.000 χ^2 /NDF: 909797950765047

All: -61.693 $\pm$ 0.000 χ^2 /NDF: 176719931414

- sign -62.450 $\pm$ 0.000 χ^2 /NDF: 8571709957608679

HWienAngle_mean vs Slug



Right In: -29.641 $\pm$ 0.000 χ^2 /NDF: 405045.4/7

Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 236885.5/21

Right Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 29358.2/8

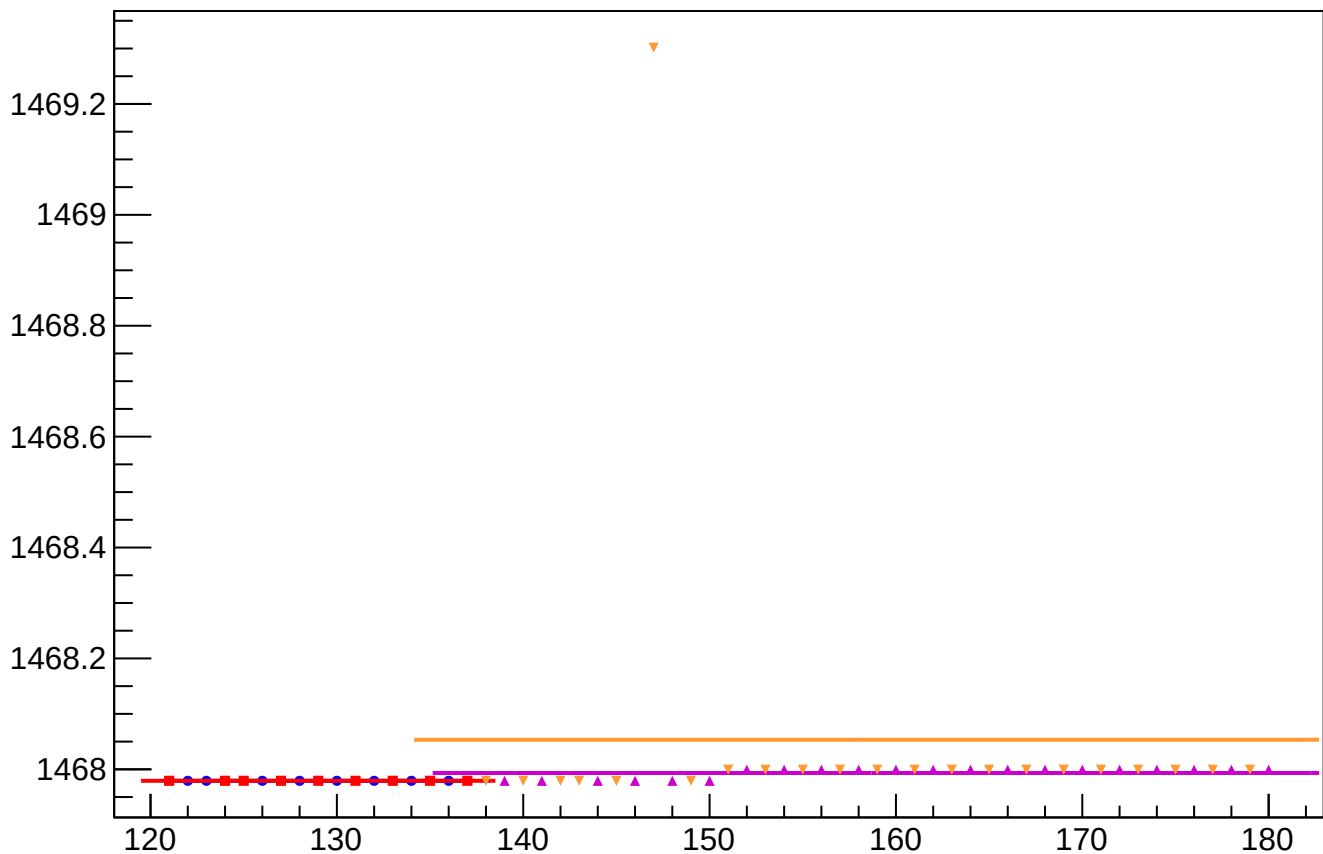
Left In: -29.641 $\pm$ 0.000 χ^2 /NDF: 529862.1/20

+ sign -29.641 $\pm$ 0.000 χ^2 /NDF: 1313914.1/29

All: -29.641 $\pm$ 0.000 χ^2 /NDF: 4355471.5/59

- sign -29.641 $\pm$ 0.000 χ^2 /NDF: 1587226.0/29

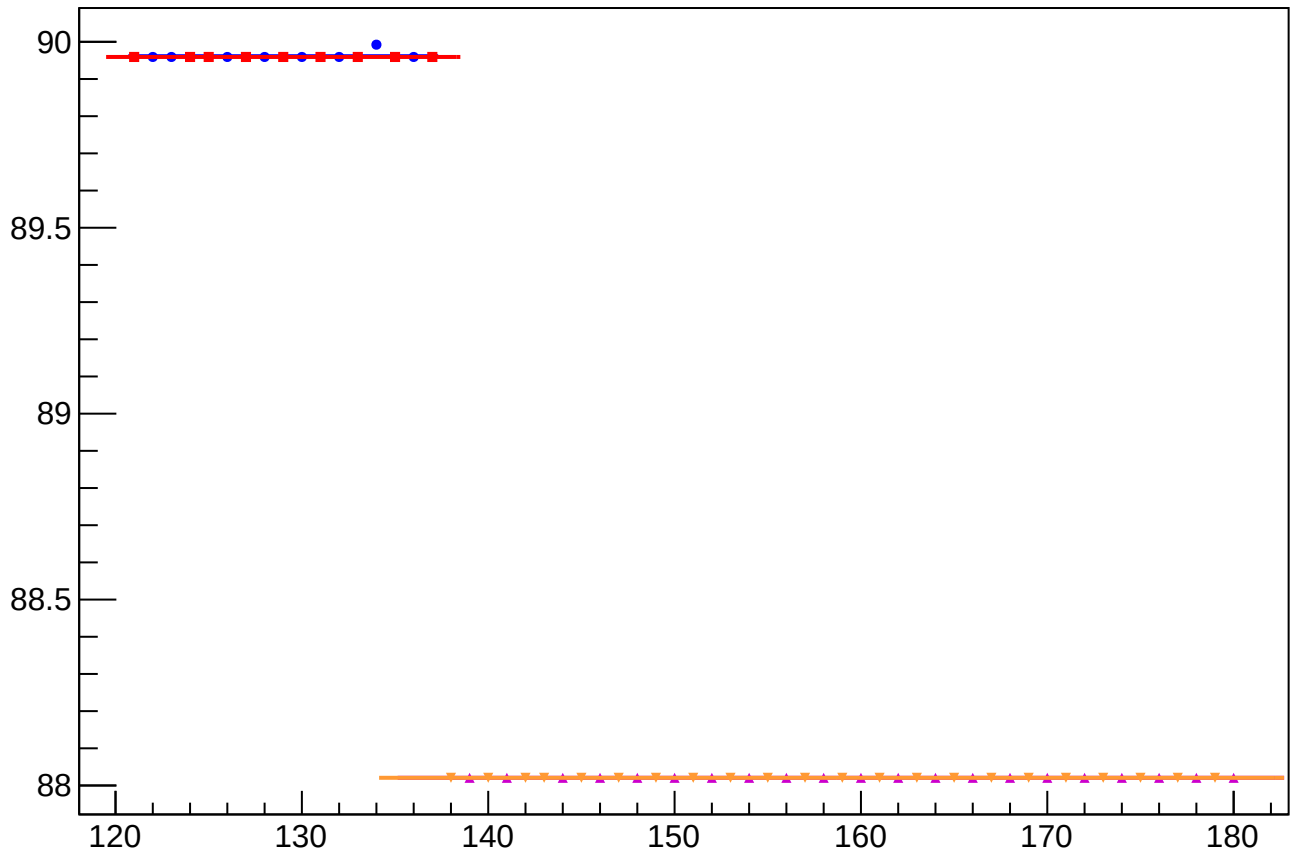
psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7
 Left Out: 1468.053+/-0.000 χ^2/NDF : 127431188714678663447589024694272.0/21
 Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8
 Left In: 1467.993+/-0.000 χ^2/NDF : 142332903190823151304303443968.0/20

+ sign 1468.041+/-0.000 χ^2/NDF : 12899406767783
 All: 1468.016+/-0.000 χ^2/NDF : 1317302968
 - sign 1467.991+/-0.000 χ^2/NDF : 19548913037093

Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 4980047.3/21

Right Out: 89.959+/-0.000 χ^2/NDF : 331397.3/8

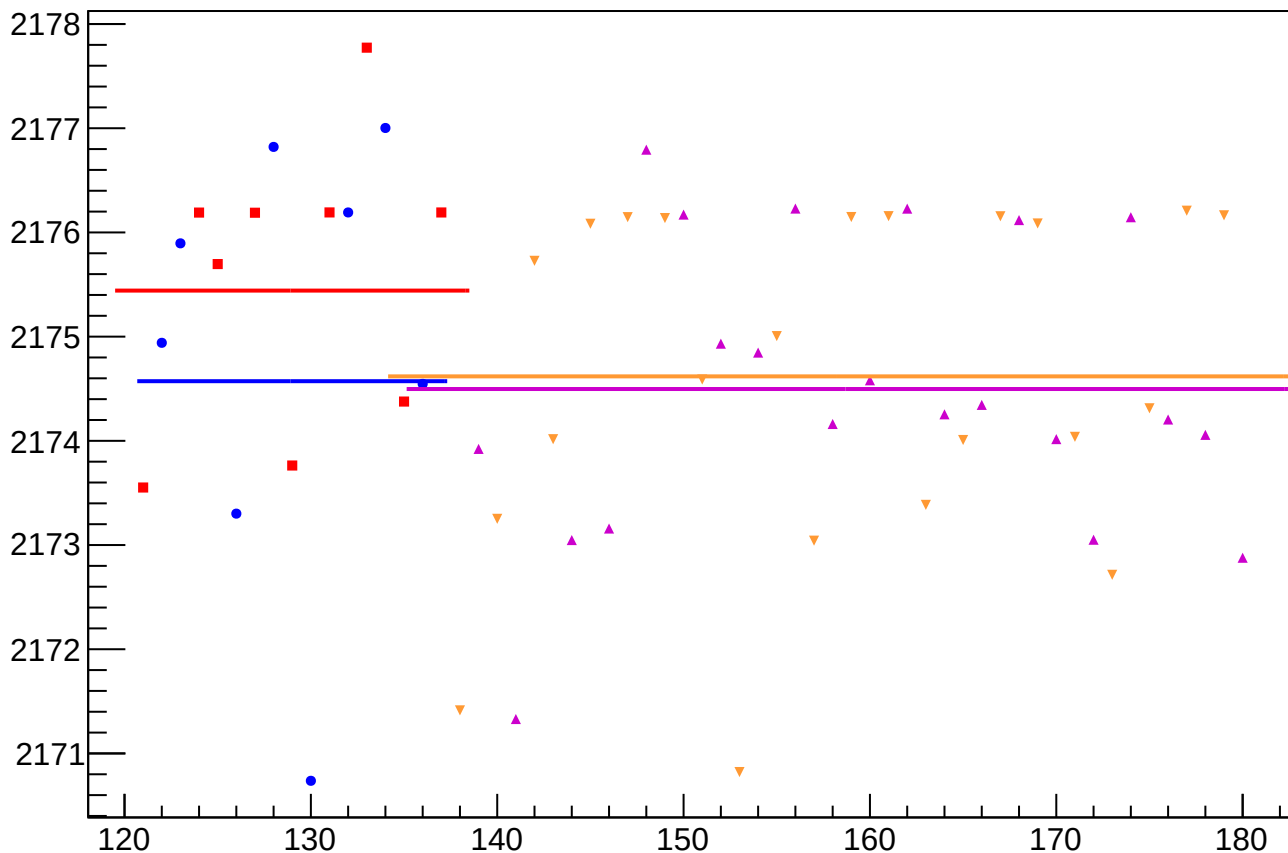
Left In: 88.021+/-0.000 χ^2/NDF : 5609722.4/20

+ sign 88.343+/-0.000 χ^2/NDF : 1074170282436332

All: 88.335+/-0.000 χ^2/NDF : 2084352569405

- sign 88.326+/-0.000 χ^2/NDF : 1009899540751022

HALLA_p_mean vs Slug



Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.619+/-0.000 χ^2/NDF : 4645064836136046244522601249505280.0/21

Right Out: 2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

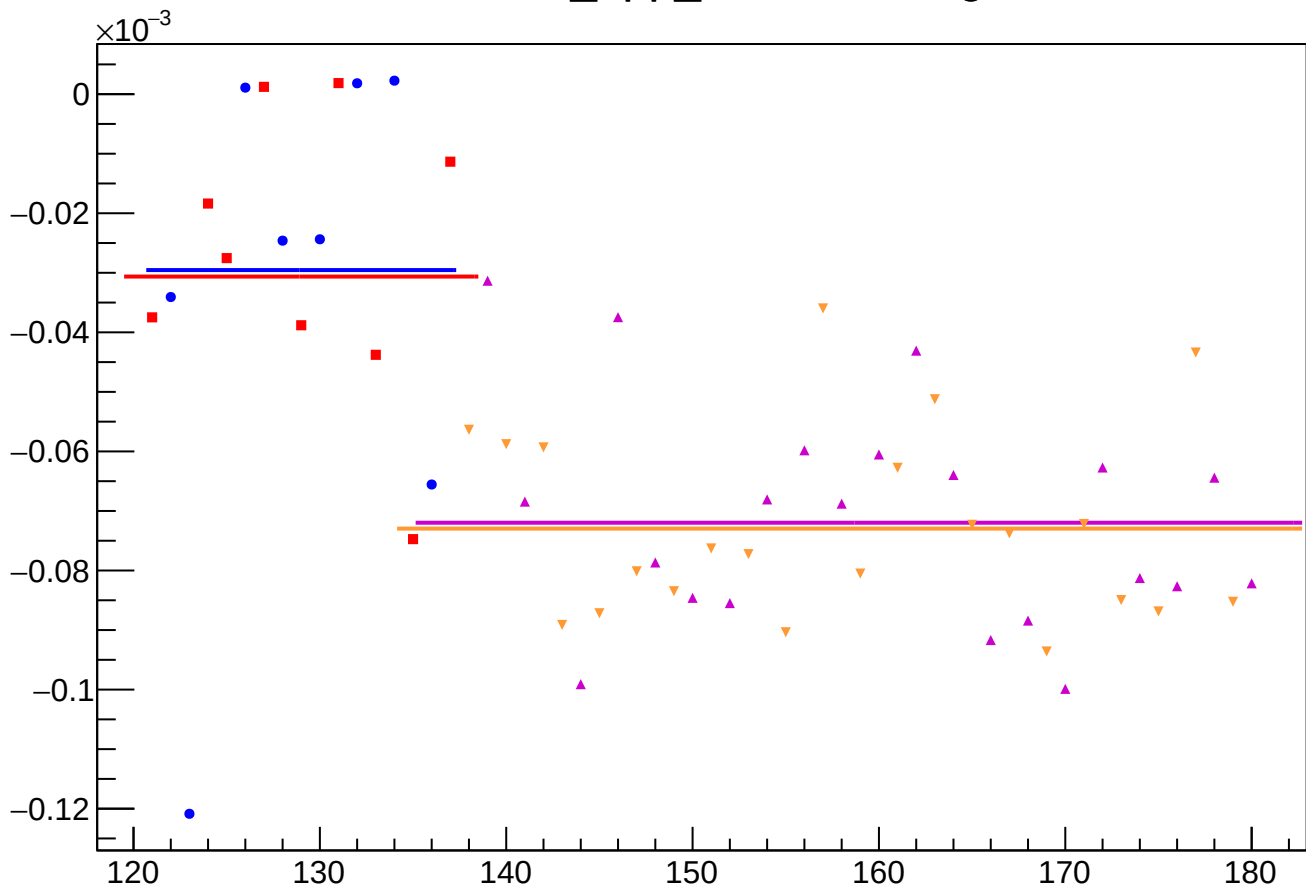
Left In: 2174.497+/-0.000 χ^2/NDF : 3313002217367832028832529026908160.0/20

+ sign 2174.611+/-0.000 χ^2/NDF : 60059382847733

All: 2174.628+/-0.000 χ^2/NDF : 10170749822

- sign 2174.646+/-0.000 χ^2/NDF : 41635457084354

HALLA_dpp_mean vs Slug



Right In: -0.000 +/- 0.000 χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000 +/- 0.000 χ^2/NDF : 427171675233828823105536.0/21

Right Out: -0.000 +/- 0.000 χ^2/NDF : 196732771178766734983168.0/8

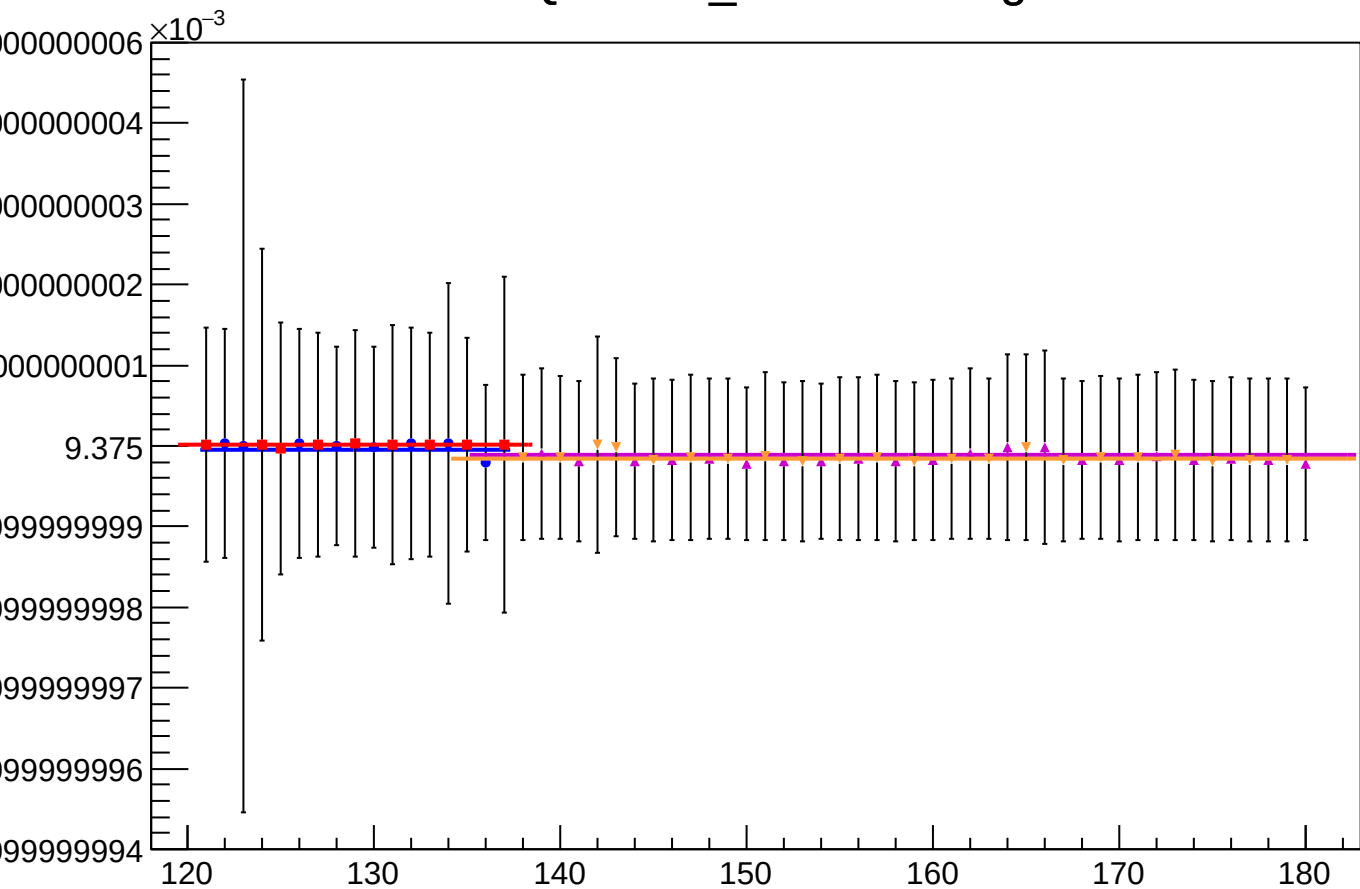
Left In: -0.000 +/- 0.000 χ^2/NDF : 558462554101670385549312.0/20

+ sign -0.000 +/- 0.000 χ^2/NDF : 1214998411809600

All: -0.000 +/- 0.000 χ^2/NDF : 2429551934809

- sign -0.000 +/- 0.000 χ^2/NDF : 1214464670216535

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

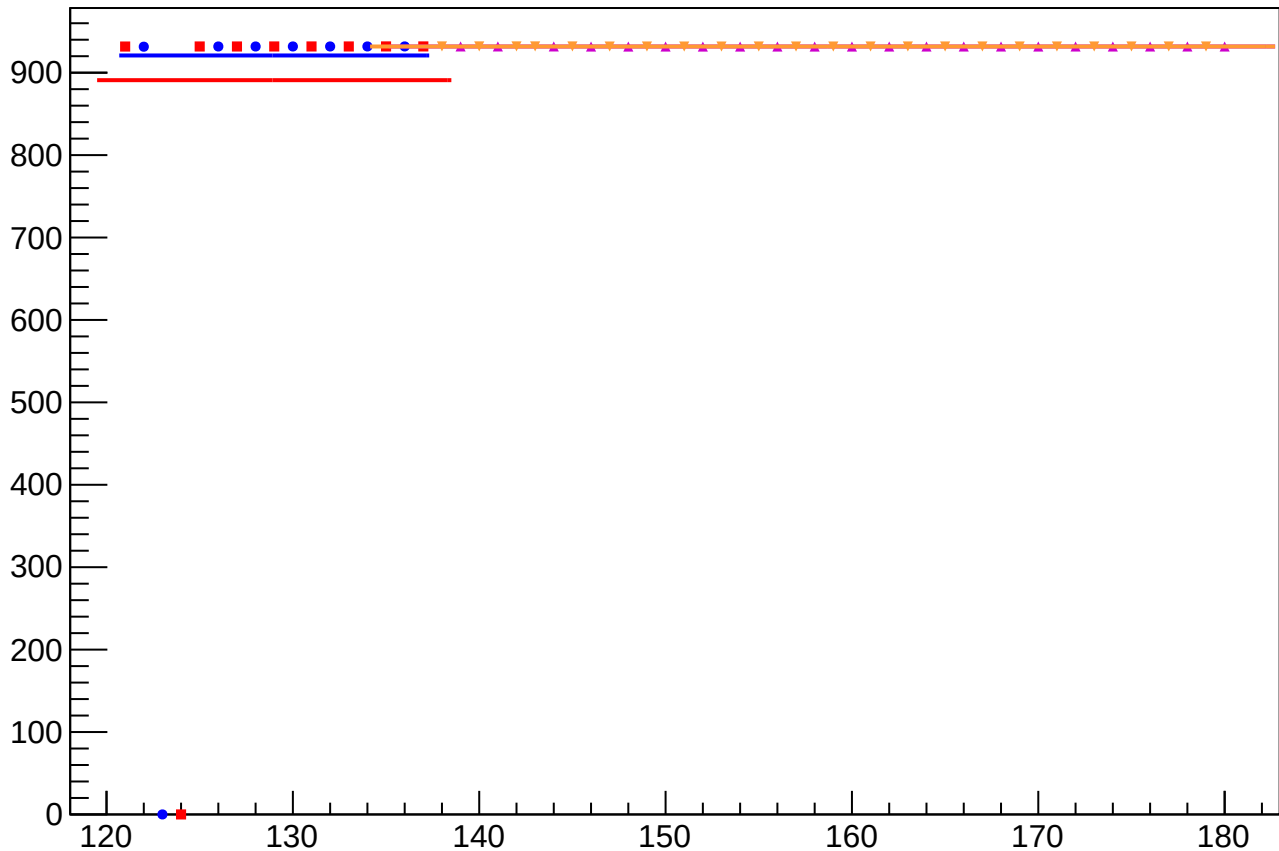
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/29

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/59

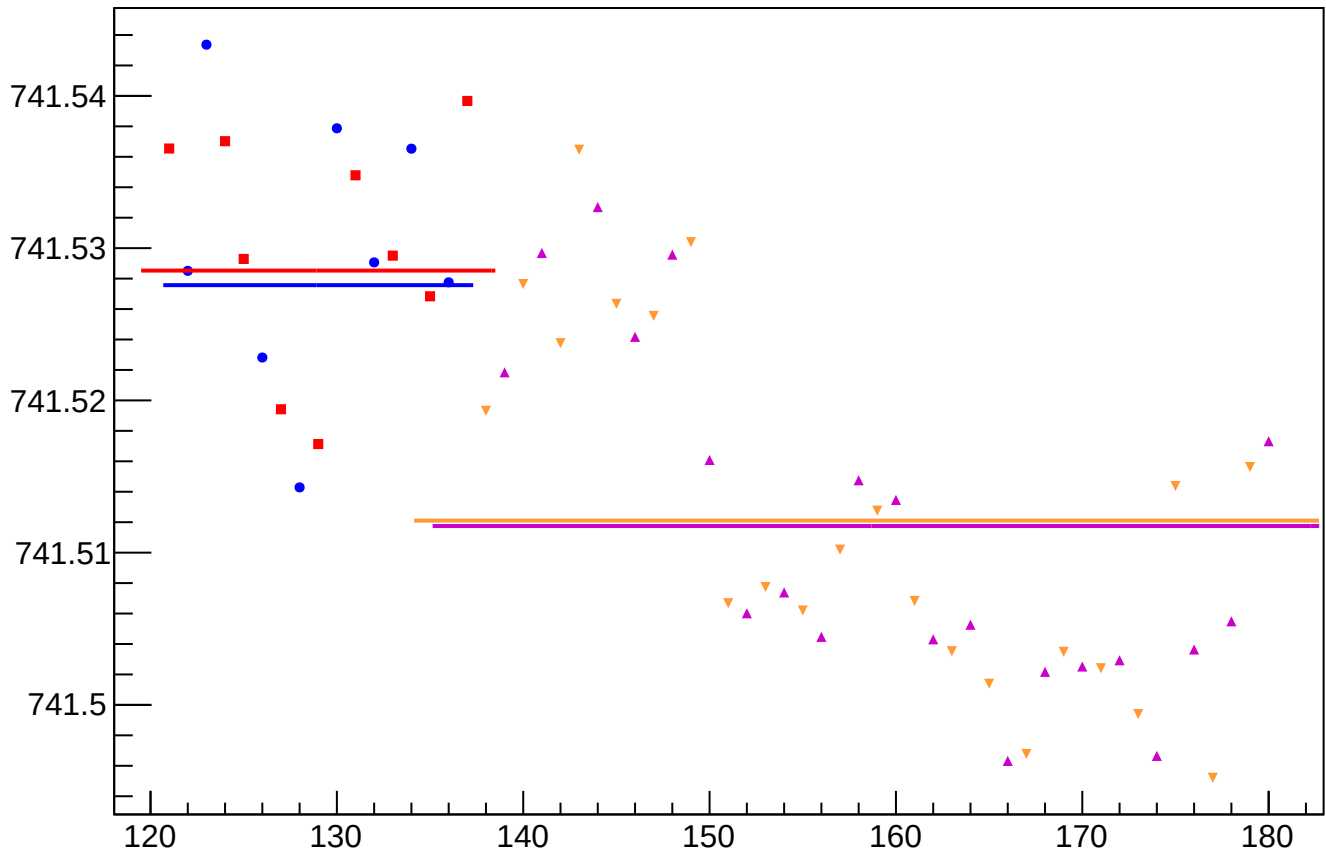
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/29

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 $\pm$ 0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
 Left Out: 931.784 $\pm$ 0.000 χ^2/NDF : 3876927876582121693779595362304.0/21
 Right Out: 890.923 $\pm$ 0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
 Left In: 931.778 $\pm$ 0.000 χ^2/NDF : 3539139497537413298720132300800.0/20

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528 $\pm$ 0.000 χ^2 /NDF: 18896144326732419810052800512.0/7

Left Out: 741.512 $\pm$ 0.000 χ^2 /NDF: 220317149371820181669837537280.0/21

Right Out: 741.529 $\pm$ 0.000 χ^2 /NDF: 16580353917842624420385914880.0/8

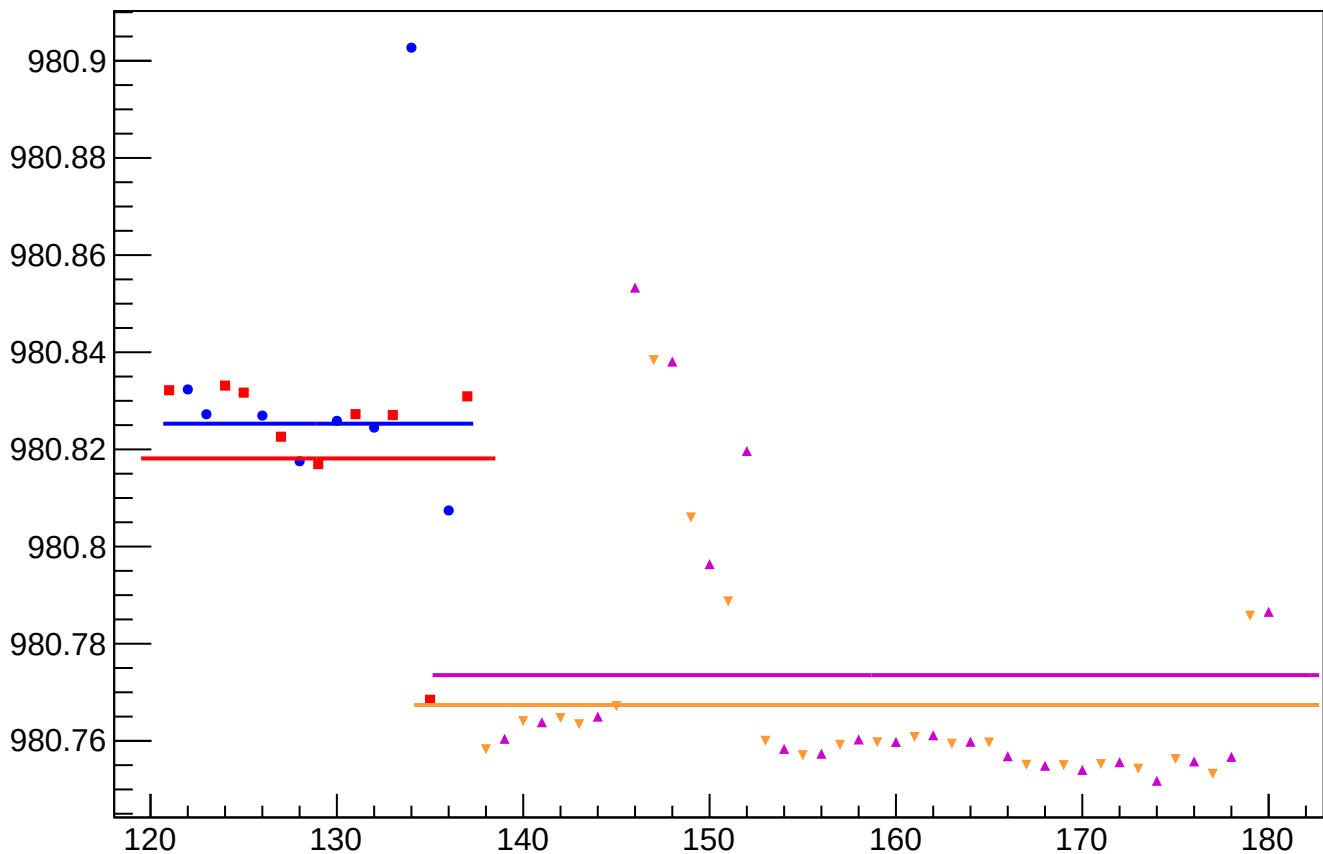
Left In: 741.512 $\pm$ 0.000 χ^2 /NDF: 196486205010388606746491879424.0/20

+ sign 741.515 $\pm$ 0.000 χ^2 /NDF: 307422577008115

All: 741.515 $\pm$ 0.000 χ^2 /NDF: 596217177719

- sign 741.514 $\pm$ 0.000 χ^2 /NDF: 288714505682889

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825 $\pm$ 0.000

χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.767 $\pm$ 0.000

χ^2/NDF : 701998739436589451122814484480.0/21

Right Out: 980.818 $\pm$ 0.000

χ^2/NDF : 143689912167528137563261894656.0/8

Left In: 980.774 $\pm$ 0.000

χ^2/NDF : 1438070442114871795364589993984.0/20

+ sign 980.777 $\pm$ 0.000

χ^2/NDF : 181784081482920.0/1

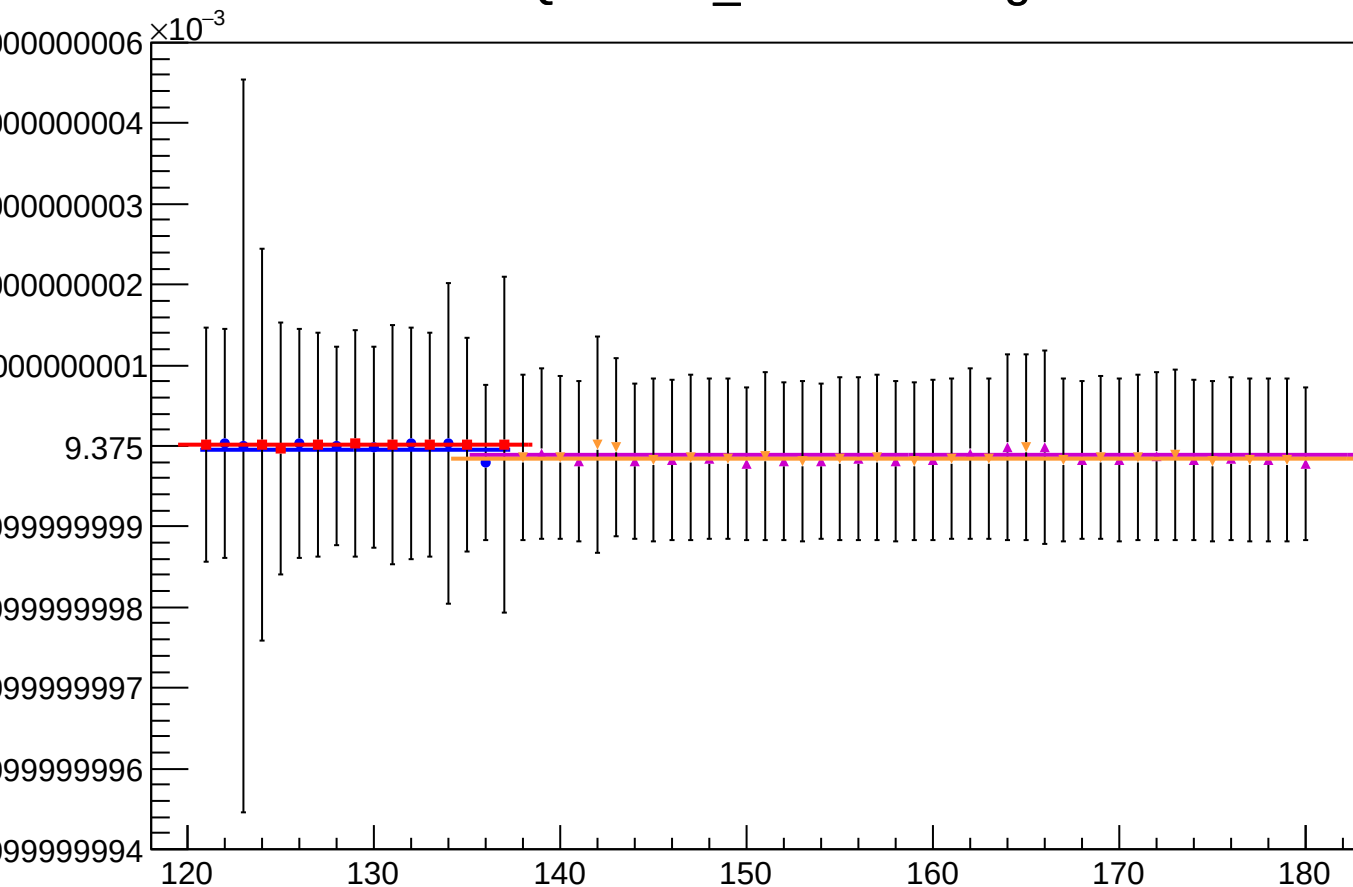
All: 980.779 $\pm$ 0.000

χ^2/NDF : 394730879228.0/1

- sign 980.781 $\pm$ 0.000

χ^2/NDF : 211648220861500.0/1

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

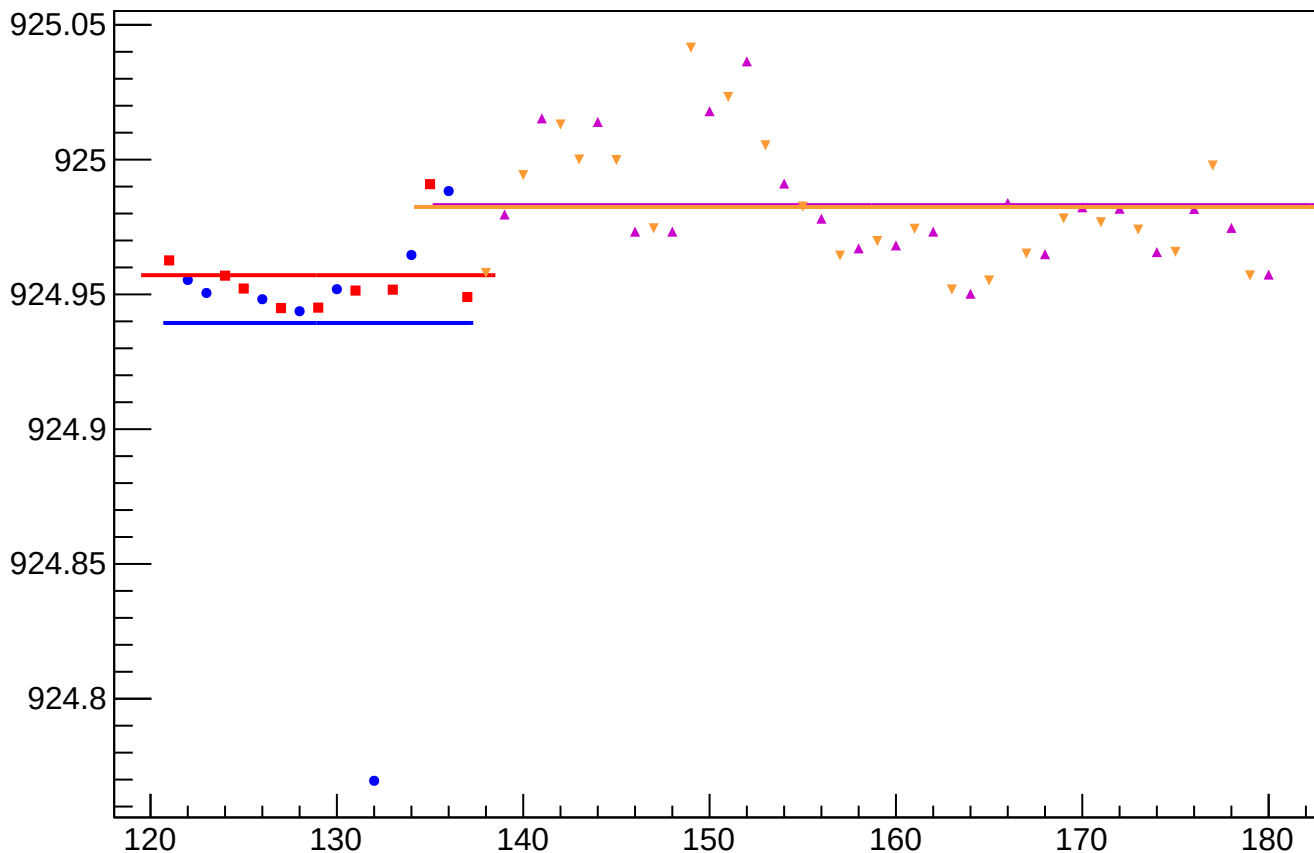
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/29

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/59

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/29

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 $\pm$ 0.000

χ^2 /NDF: 1401458495809517406218388242432.0/7

Left Out: 924.982 $\pm$ 0.000

χ^2 /NDF: 916044550508673439454879285248.0/21

Right Out: 924.957 $\pm$ 0.000

χ^2 /NDF: 71808709366506786060310151168.0/8

Left In: 924.983 $\pm$ 0.000

χ^2 /NDF: 791644167227235137865123889152.0/20

+ sign 924.975 $\pm$ 0.000

χ^2 /NDF: 284528718037426

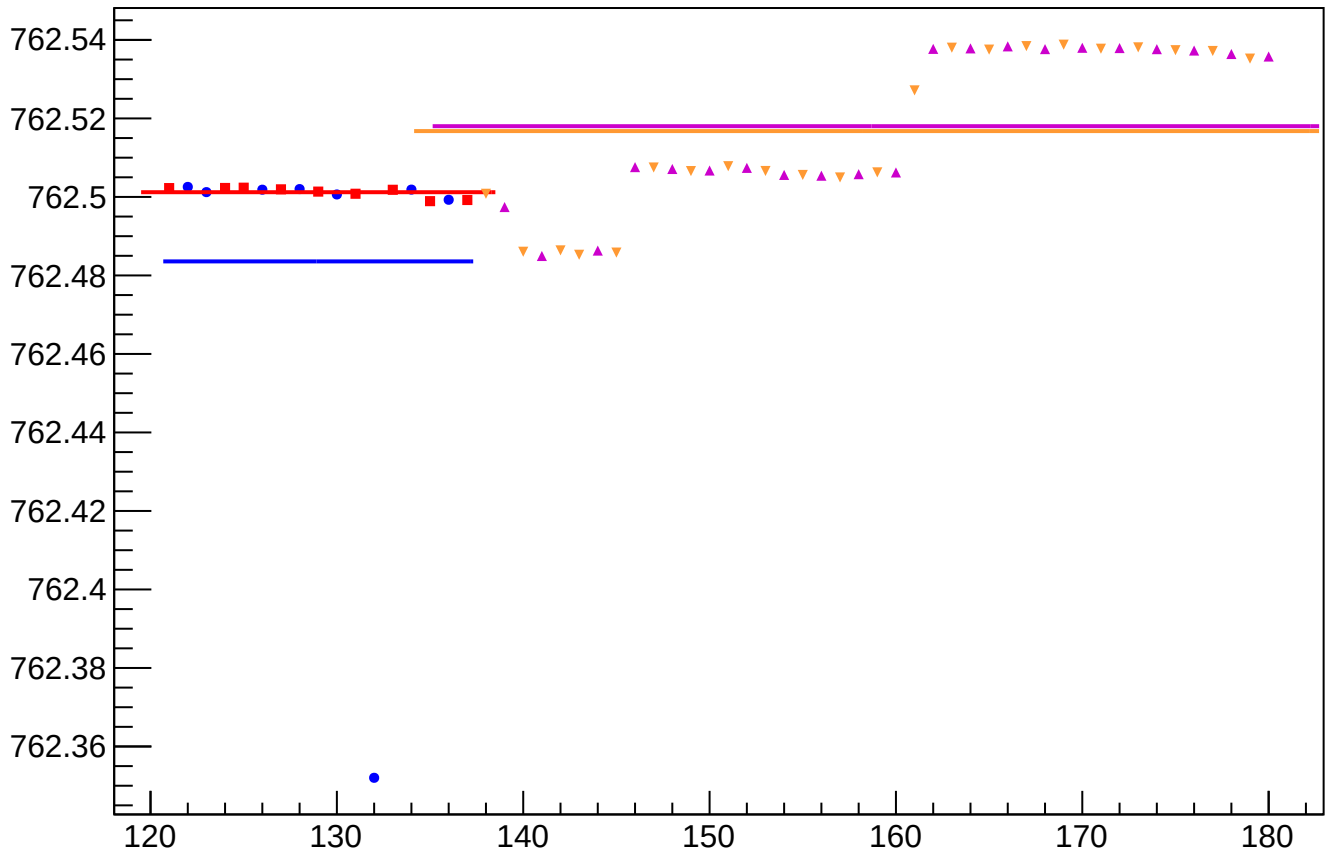
All: 924.977 $\pm$ 0.000

χ^2 /NDF: 390488971526

- sign 924.979 $\pm$ 0.000

χ^2 /NDF: 104522404756853

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484+/-0.000

χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.517+/-0.000

χ^2/NDF : 662692756617650889808163110912.0/21

Right Out: 762.501+/-0.000

χ^2/NDF : 469794702848036819563446272.0/8

Left In: 762.518+/-0.000

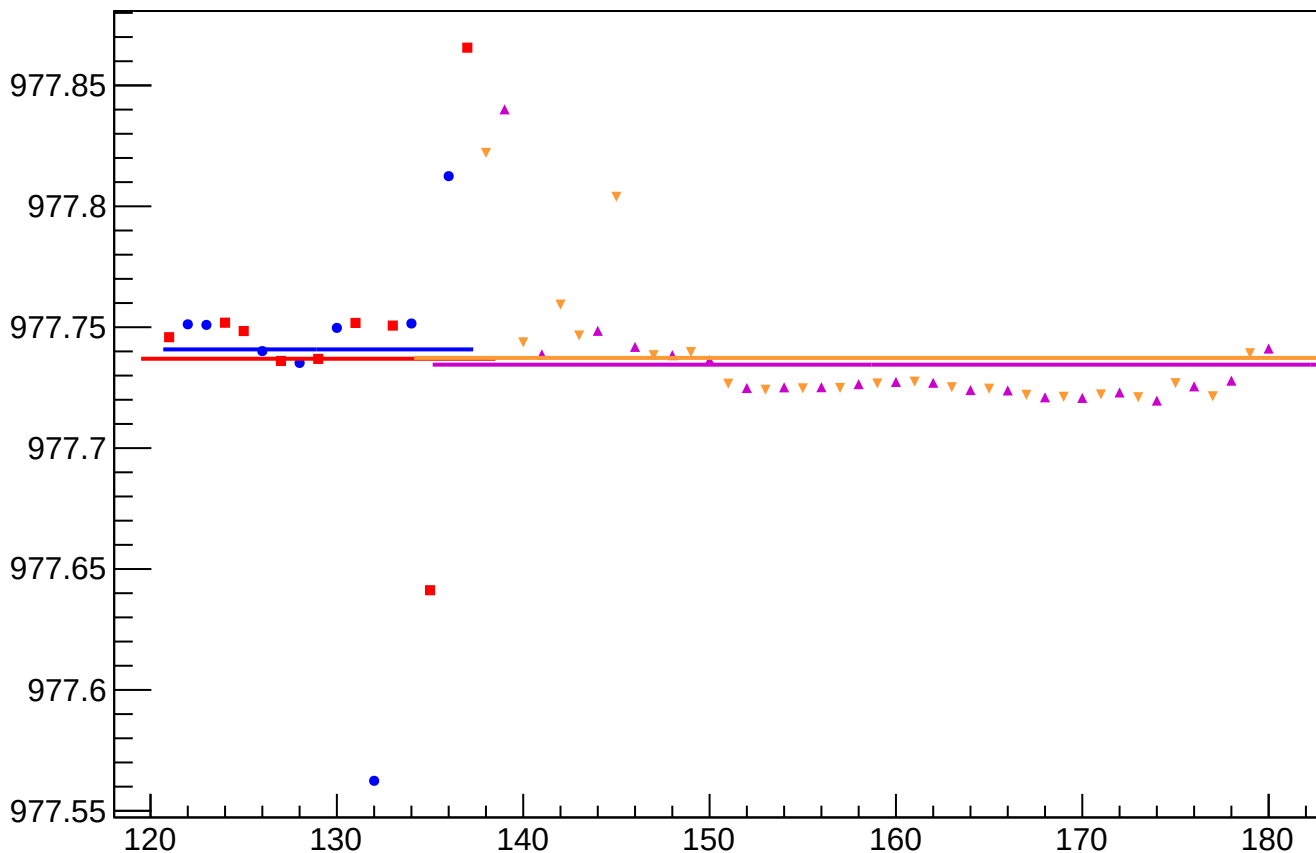
χ^2/NDF : 596229897001175157279576555520.0/20

+ sign 762.511+/-0.000 χ^2/NDF : 176148792292781

All: 762.513+/-0.000 χ^2/NDF : 245143012068

- sign 762.515+/-0.000 χ^2/NDF : 672712005873705

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741 $\pm$ 0.000 χ^2 /NDF: 1738104571804792841781326643200.0/7

Left Out: 977.737 $\pm$ 0.000 χ^2 /NDF: 1148759389935792917773769768960.0/21

Right Out: 977.737 $\pm$ 0.000 χ^2 /NDF: 772313054358211830610902646784.0/8

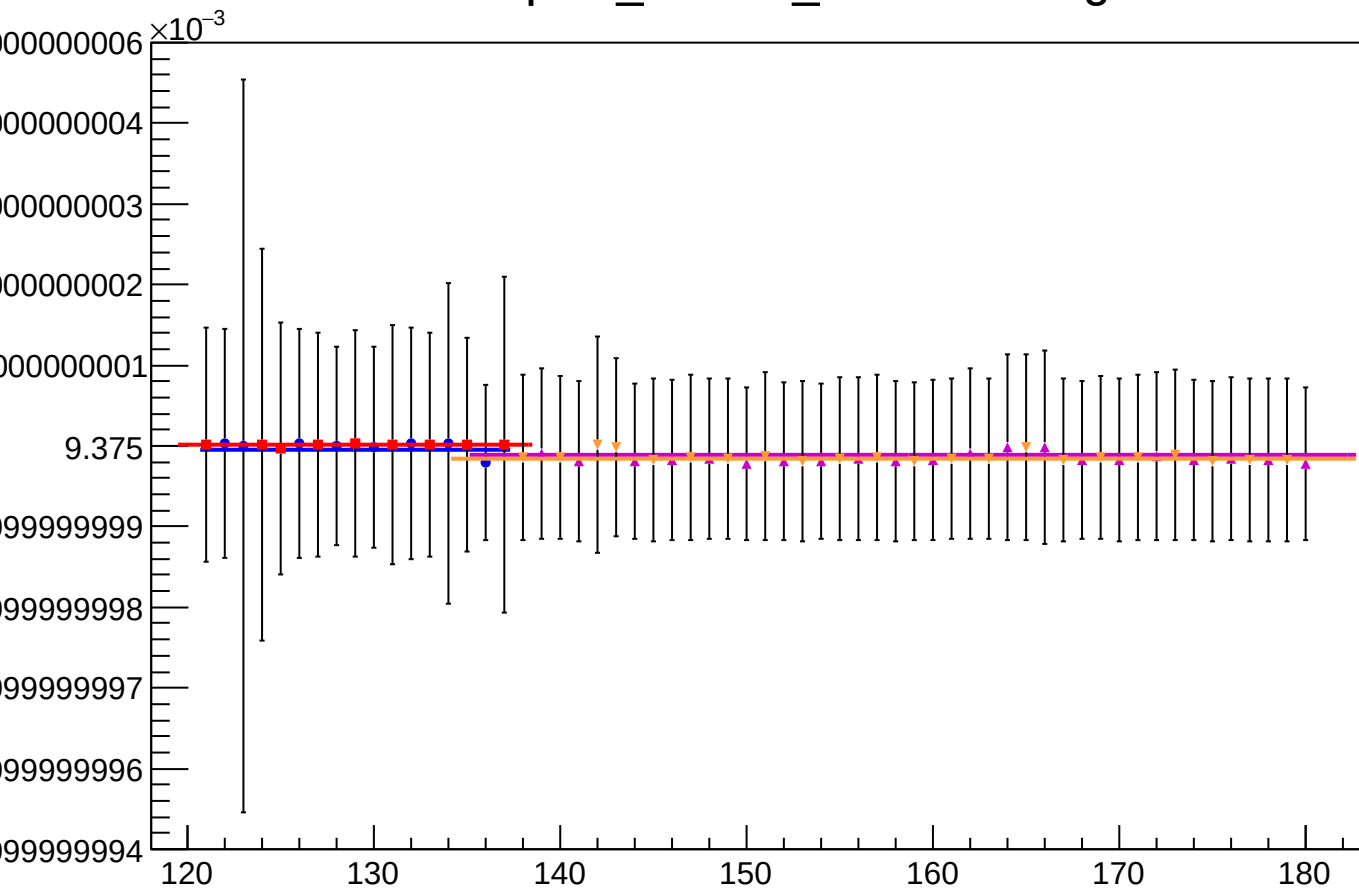
Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 973717831383343741287415152640.0/20

+ sign 977.738 $\pm$ 0.000 χ^2 /NDF: 289040805776458

All: 977.736 $\pm$ 0.000 χ^2 /NDF: 464717361419

- sign 977.735 $\pm$ 0.000 χ^2 /NDF: 174764463591923

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

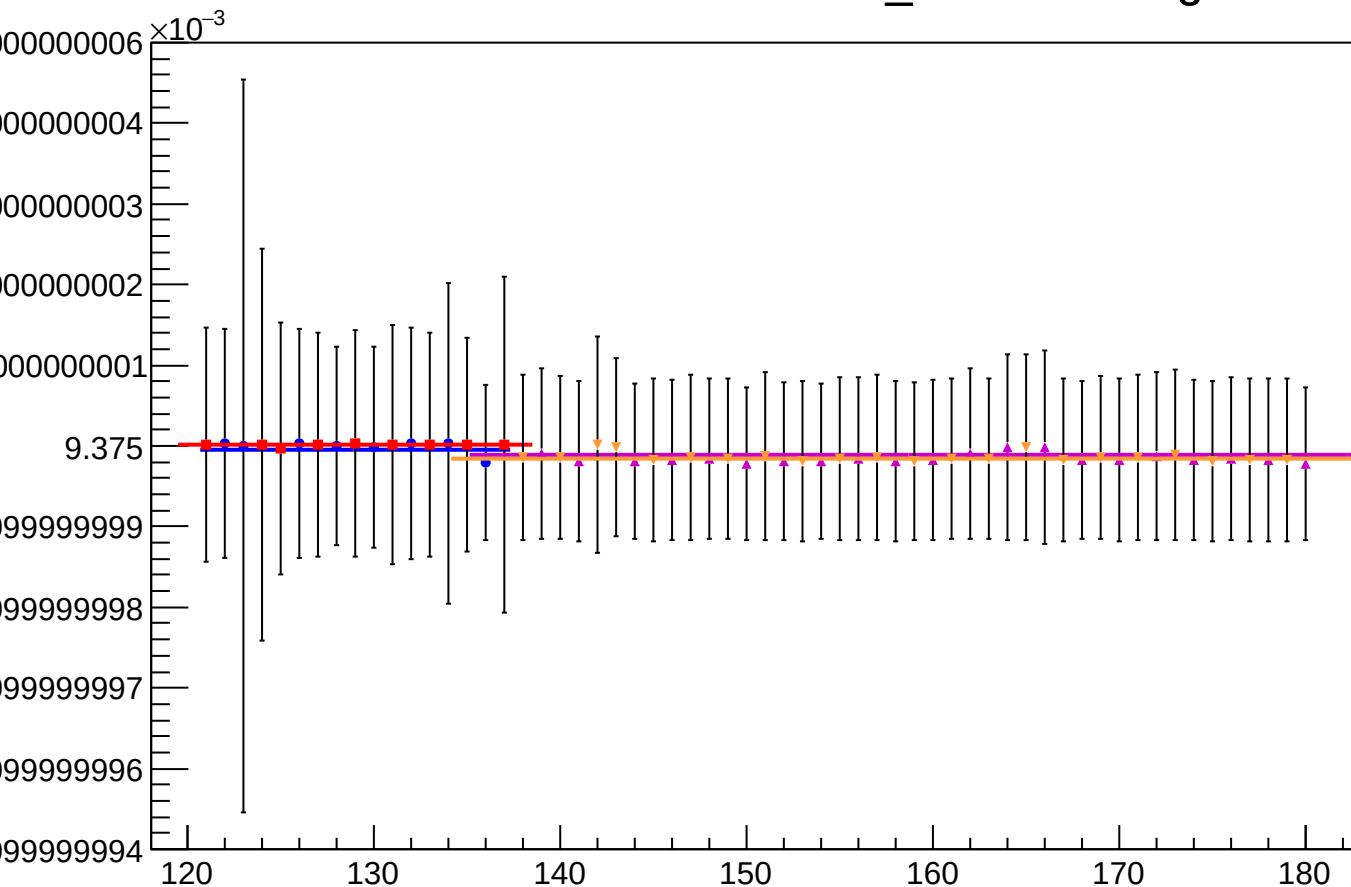
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/29

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/59

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/29

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

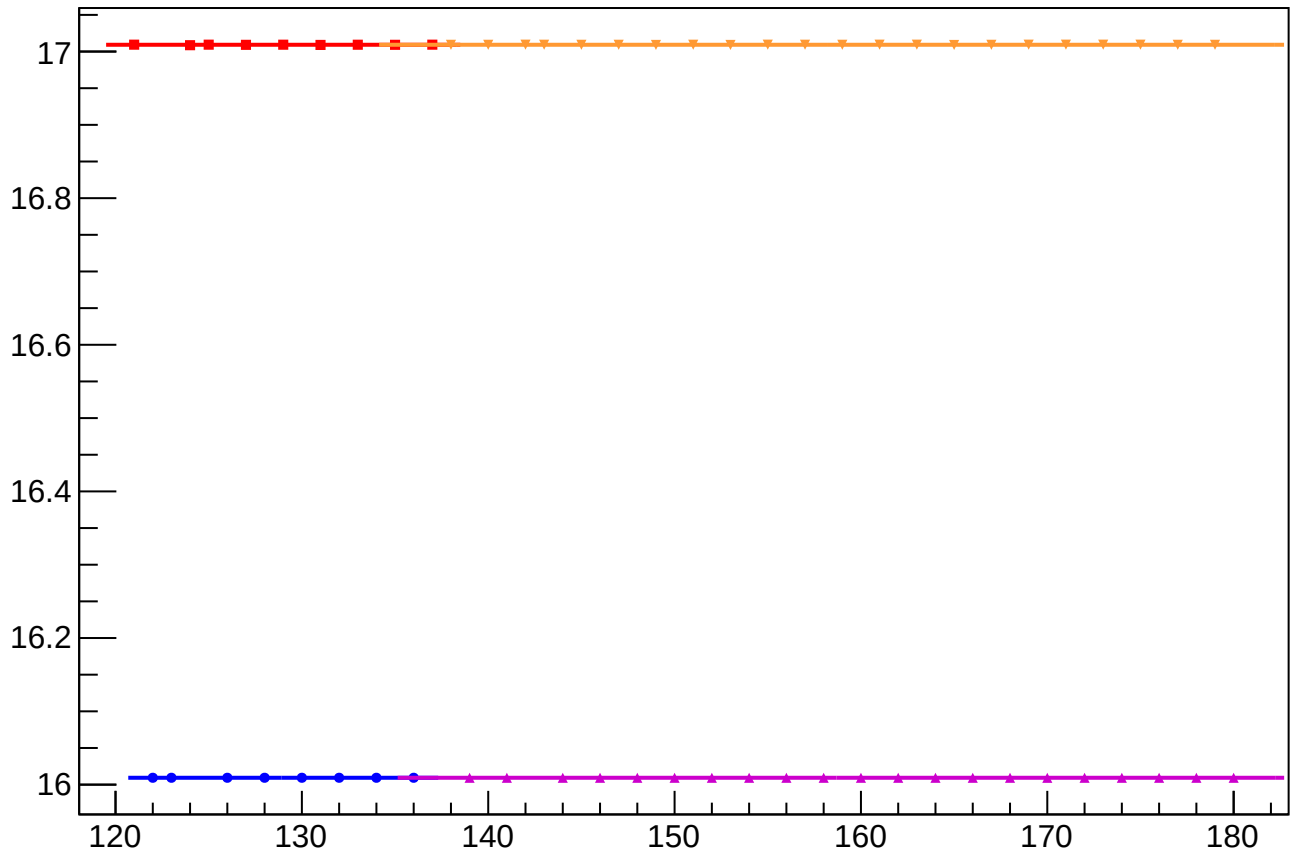
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/29

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.4/59

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/29

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 23769692244541927210352640.0/21

Right Out: 17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

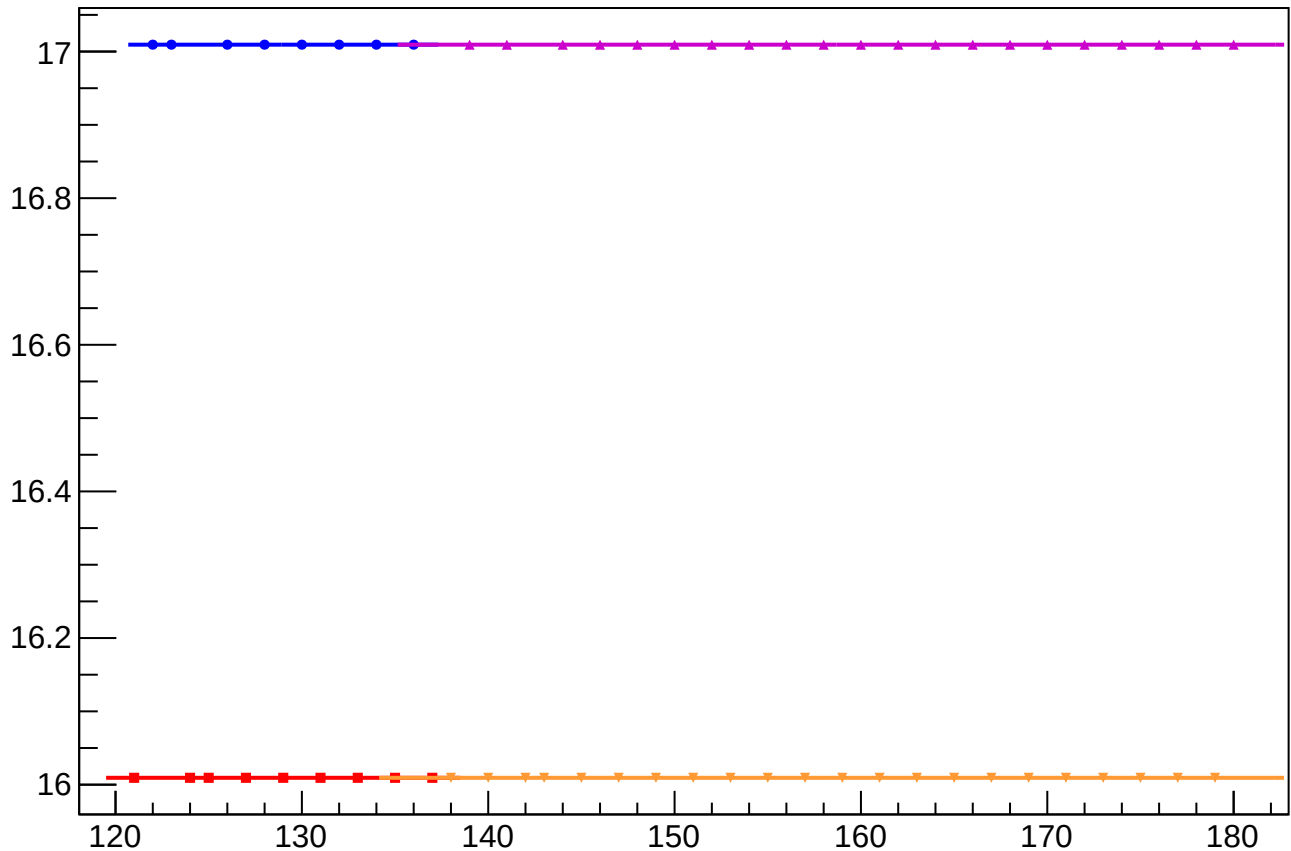
Left In: 16.009+/-0.000 χ^2/NDF : 127610517609627296727040.0/20

+ sign 16.843+/-0.000 χ^2/NDF : 2633520814282204

All: 16.507+/-0.000 χ^2/NDF : 9460029940032

- sign 16.169+/-0.000 χ^2/NDF : 2535743435111955

IGL1I00OD16_16_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 86396.0/21

Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 17859.8/8

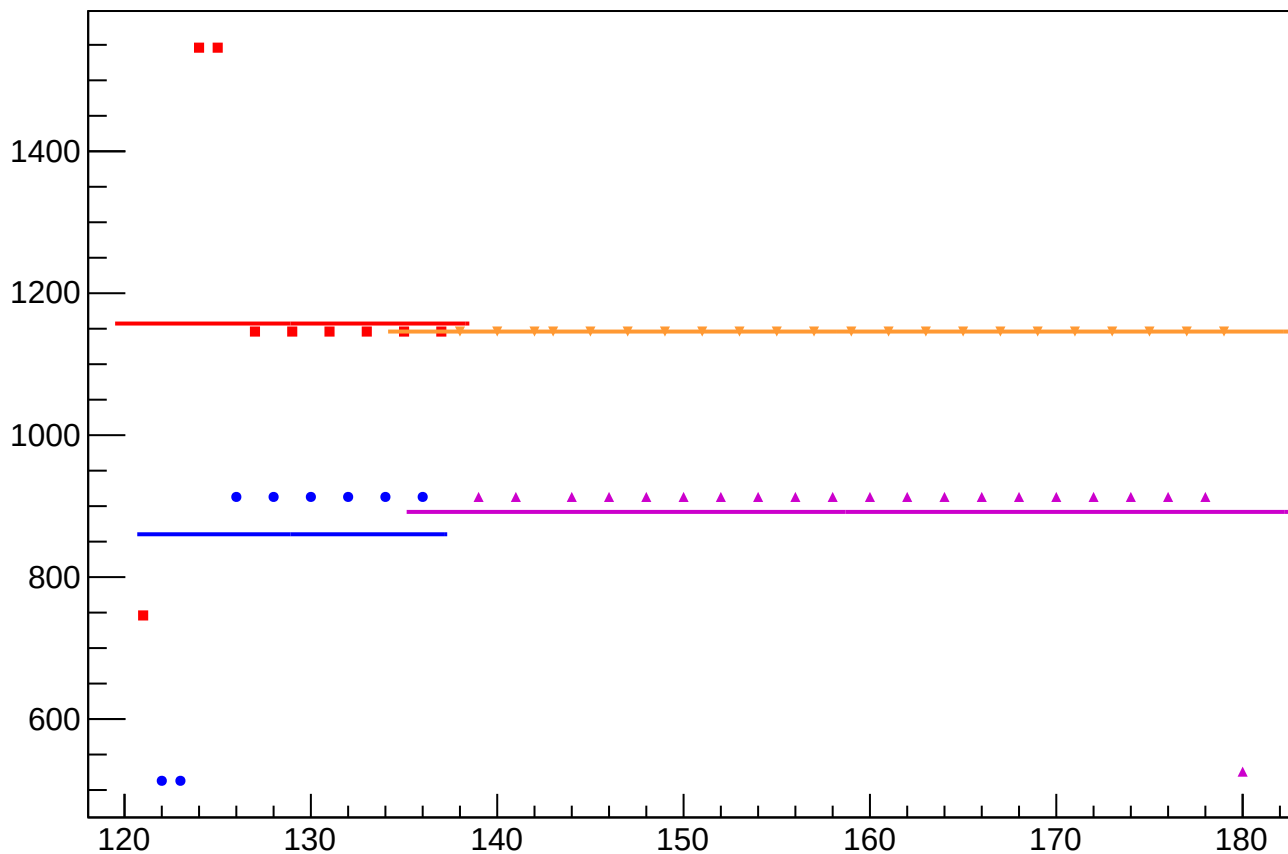
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 114680364984453612699648.0/20

+ sign 16.177 $\pm$ 0.000 χ^2/NDF : 2845520628683646

All: 16.508 $\pm$ 0.000 χ^2/NDF : 1003739332309

- sign 16.848 $\pm$ 0.000 χ^2/NDF : 2675785783116631

RTPAPOSUCNT_mean vs Slug



Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 5879278501333886966486269952.0/21

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

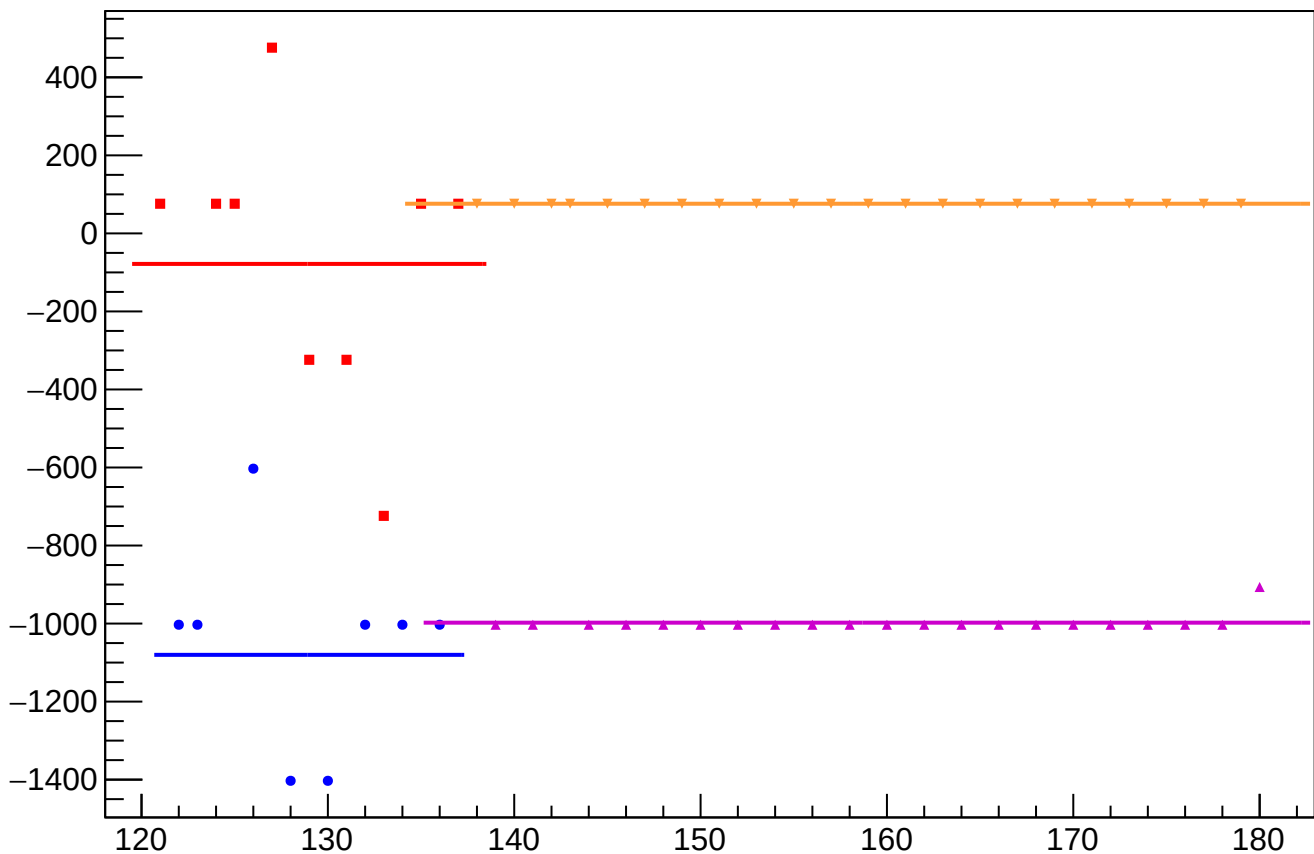
Left In: 891.881+/-0.000 χ^2/NDF : 13175351521567219085659860893159129088.0/20

All: 1016.877+/-0.000 χ^2/NDF : 10326371006

+ sign 1098.588+/-0.000 χ^2/NDF : 29525648705101

- sign 933.712+/-0.000 χ^2/NDF : 459855003804915

RTPAPOSVCNT_mean vs Slug



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000 χ^2/NDF : 10188144859878721982604247040.0/21

Right Out: -78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: -997.711+/-0.000 χ^2/NDF : 823449529984494812477810468653629440.0/20