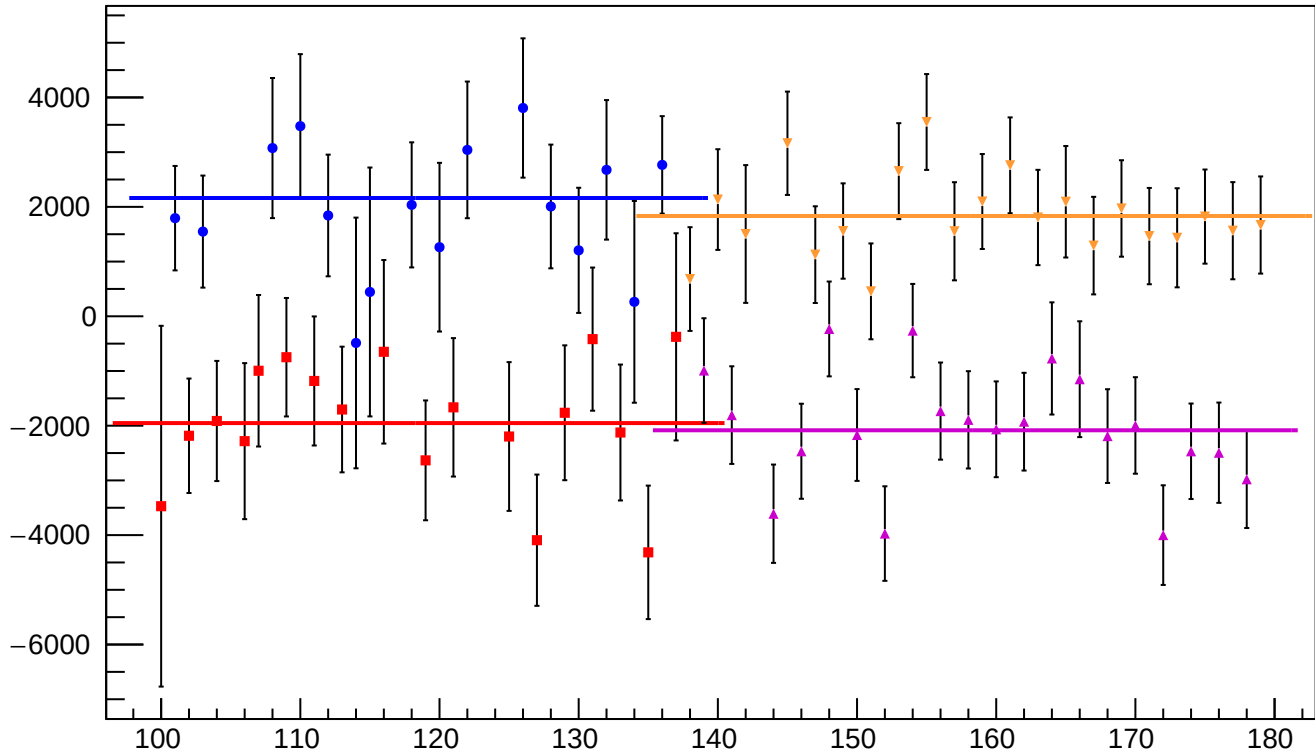


reg_asym_us_avg_mean vs Slug



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: -2083.787+/-200.297

χ^2/NDF : 26.9/19

+ sign 1929.302+/-166.127

χ^2/NDF : 23.6/36

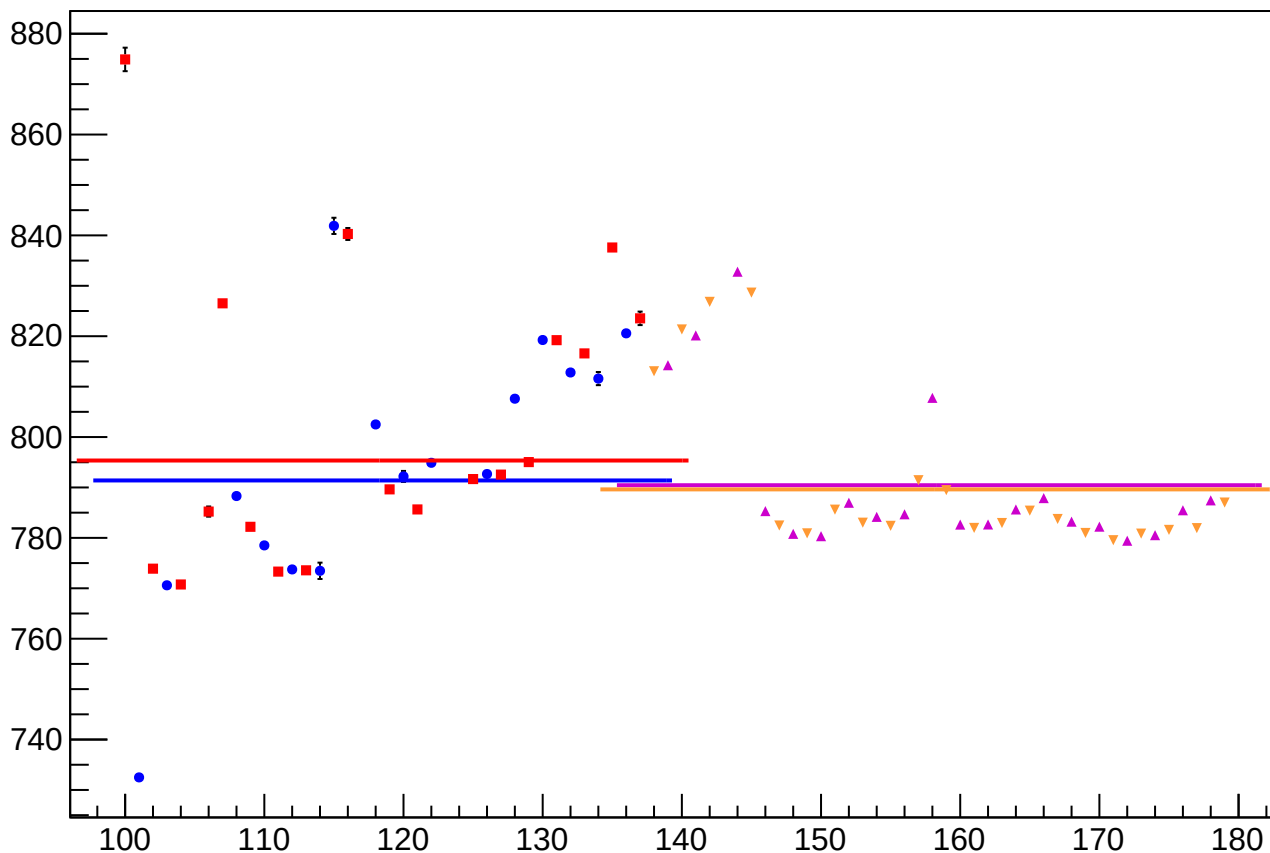
All: -50.398+/-117.665

χ^2/NDF : 348.2/74

- sign -2043.308+/-166.680

χ^2/NDF : 39.7/37

reg_asym_us_avg_rms vs Slug



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

Left Out: 789.617+/-0.140 χ^2/NDF : 10764.0/20

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

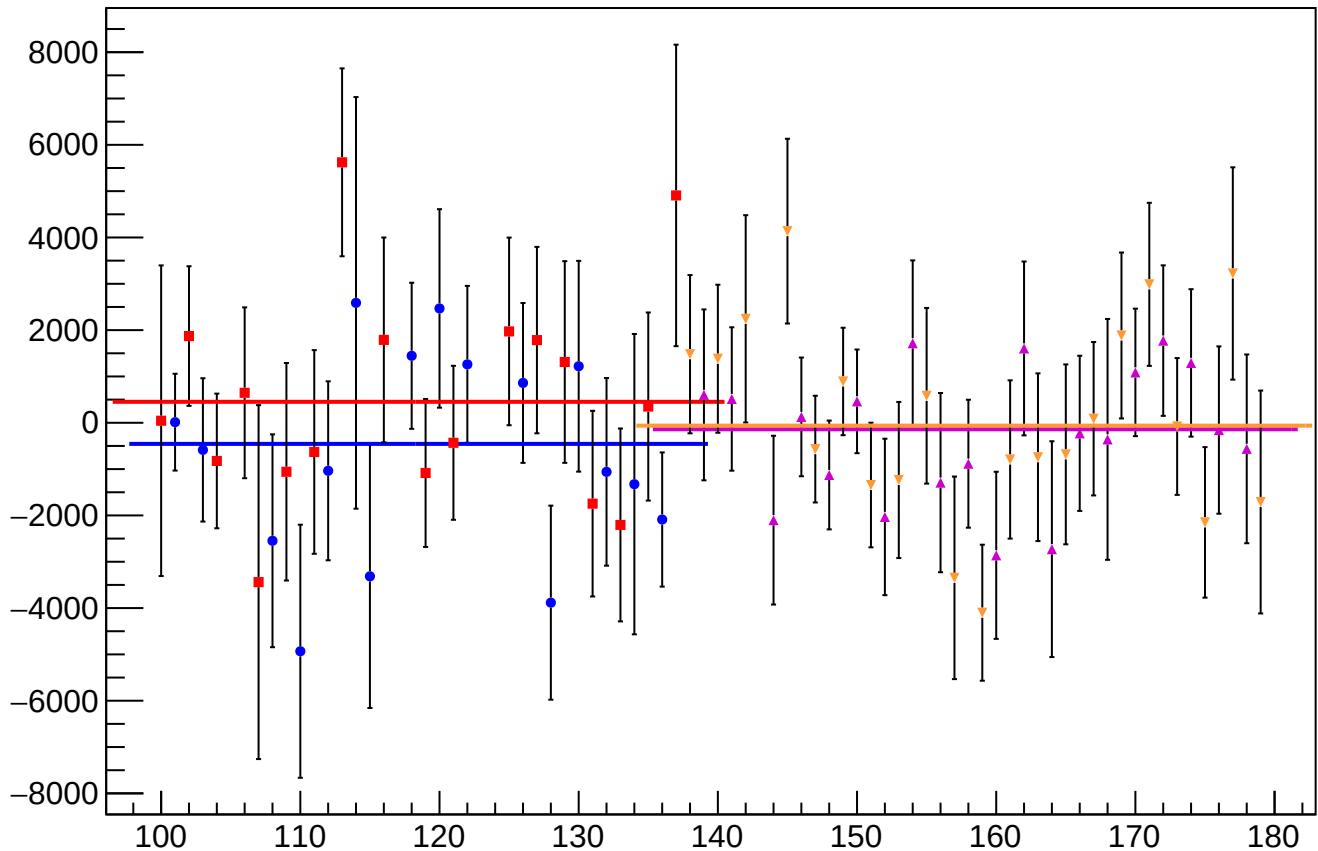
Left In: 790.443+/-0.142 χ^2/NDF : 10803.6/19

+ sign 790.135+/-0.117 χ^2/NDF : 25819.5/36

All: 791.040+/-0.083 χ^2/NDF : 48670.1/74

- sign 791.950+/-0.118 χ^2/NDF : 22731.7/37

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

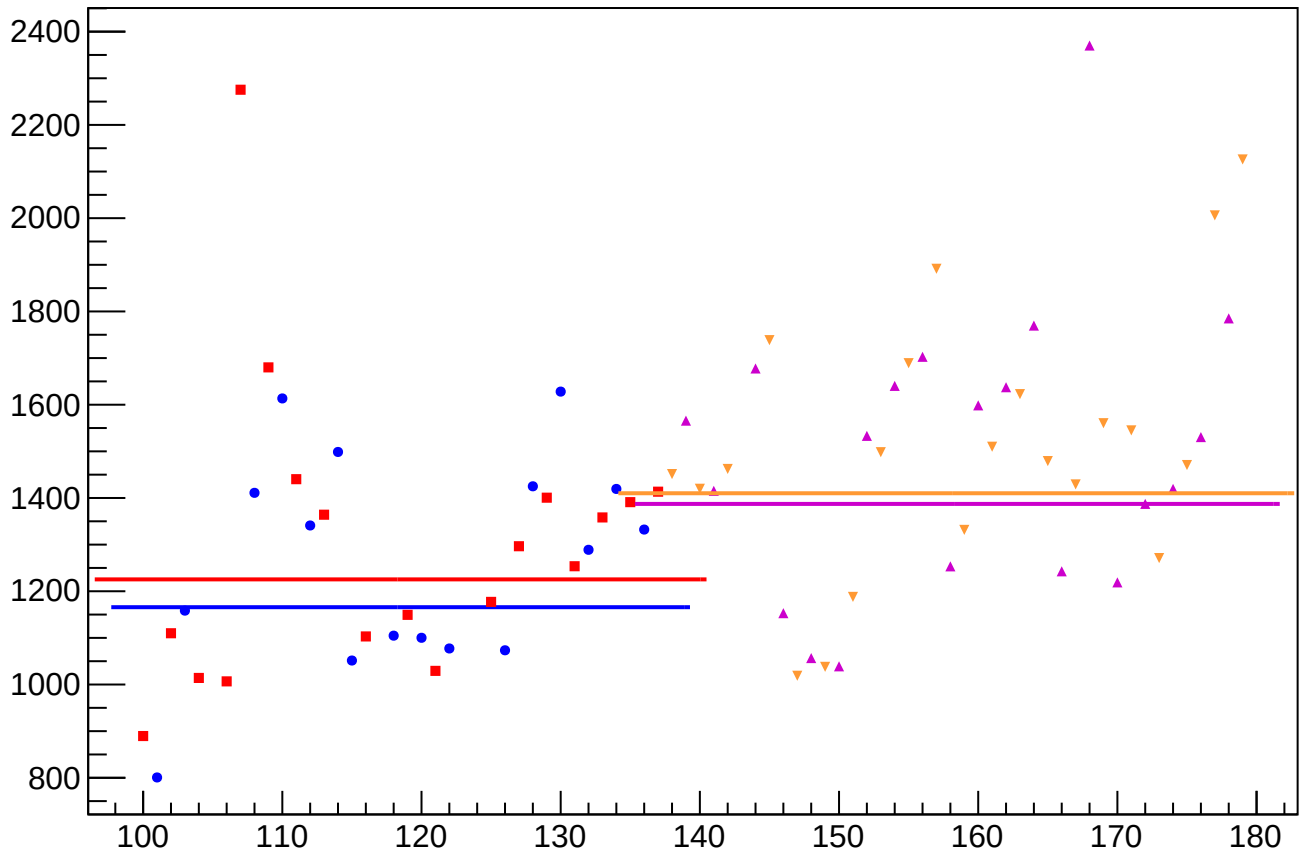
Left In: -140.295 ± 359.699 χ^2/NDF : 12.9/19

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

All: -67.206 ± 202.050 χ^2/NDF : 75.2/74

- sign 77.102 ± 286.262 χ^2/NDF : 31.3/37

asym_us_avg_correction_rms vs Slug



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

Left Out: 1410.150 $\pm$ 0.256 χ^2 /NDF: 1095280.1/20

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

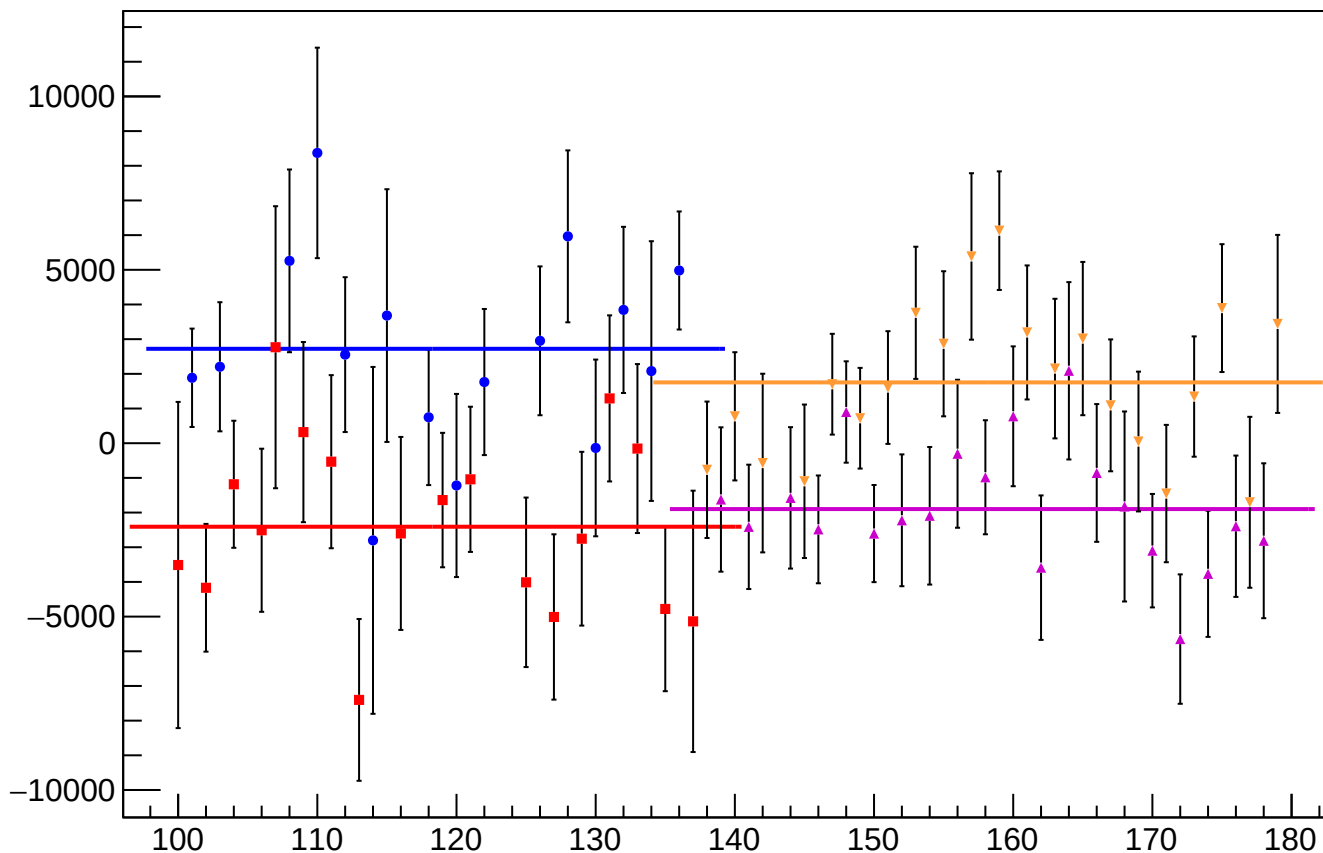
Left In: 1387.273 $\pm$ 0.254 χ^2 /NDF: 1153421.3/19

+ sign 1317.915 $\pm$ 0.202 χ^2 /NDF: 1966977.2/36

All: 1322.910 $\pm$ 0.143 χ^2 /NDF: 3710468.5/74

- sign 1327.941 $\pm$ 0.202 χ^2 /NDF: 1742260.0/37

asym_us_avg_mean vs Slug



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

Left Out: 1753.065+/-419.141 χ^2/NDF : 23.3/20

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

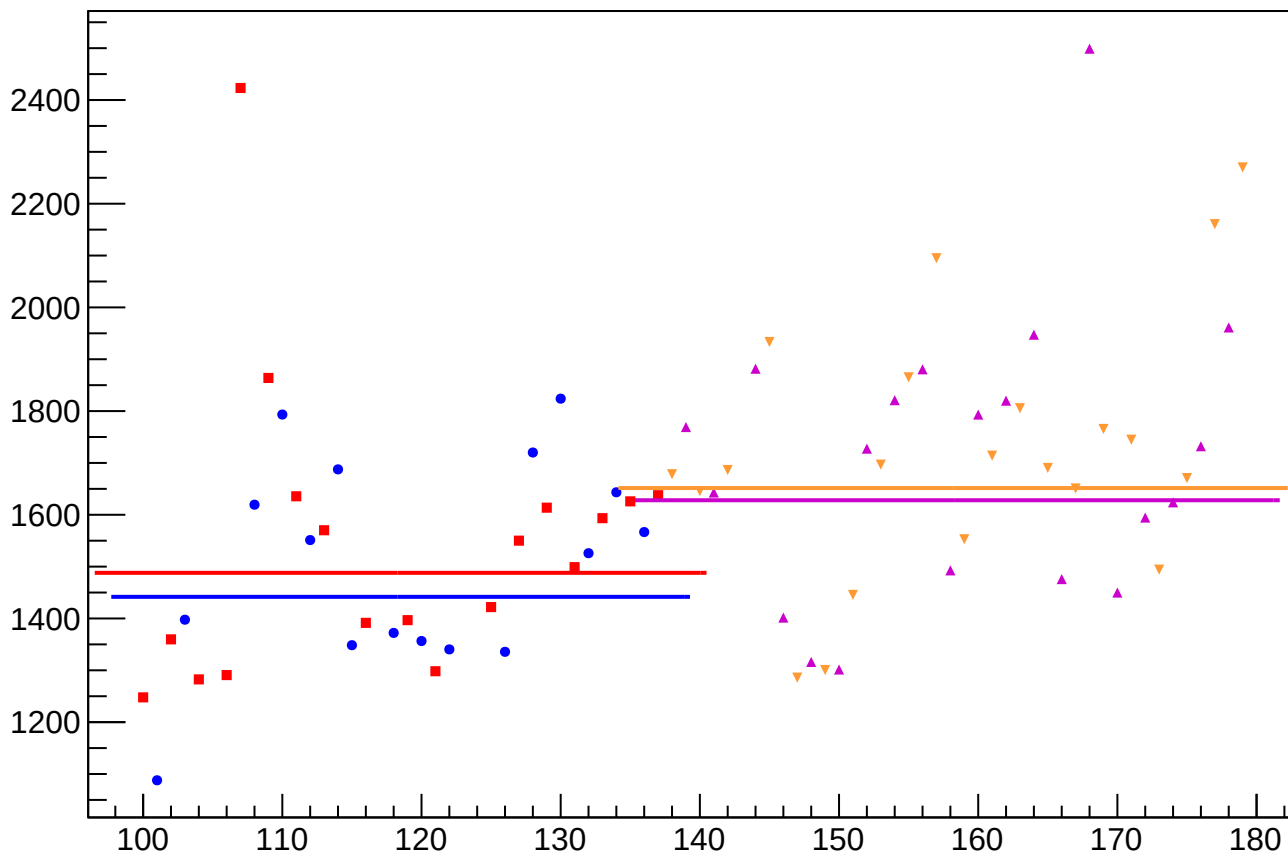
Left In: -1899.175+/-418.295 χ^2/NDF : 16.1/19

+ sign 2095.437+/-337.080 χ^2/NDF : 39.8/36

All: 8.418+/-238.330 χ^2/NDF : 149.3/74

- sign -2077.852+/-337.020 χ^2/NDF : 32.9/37

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

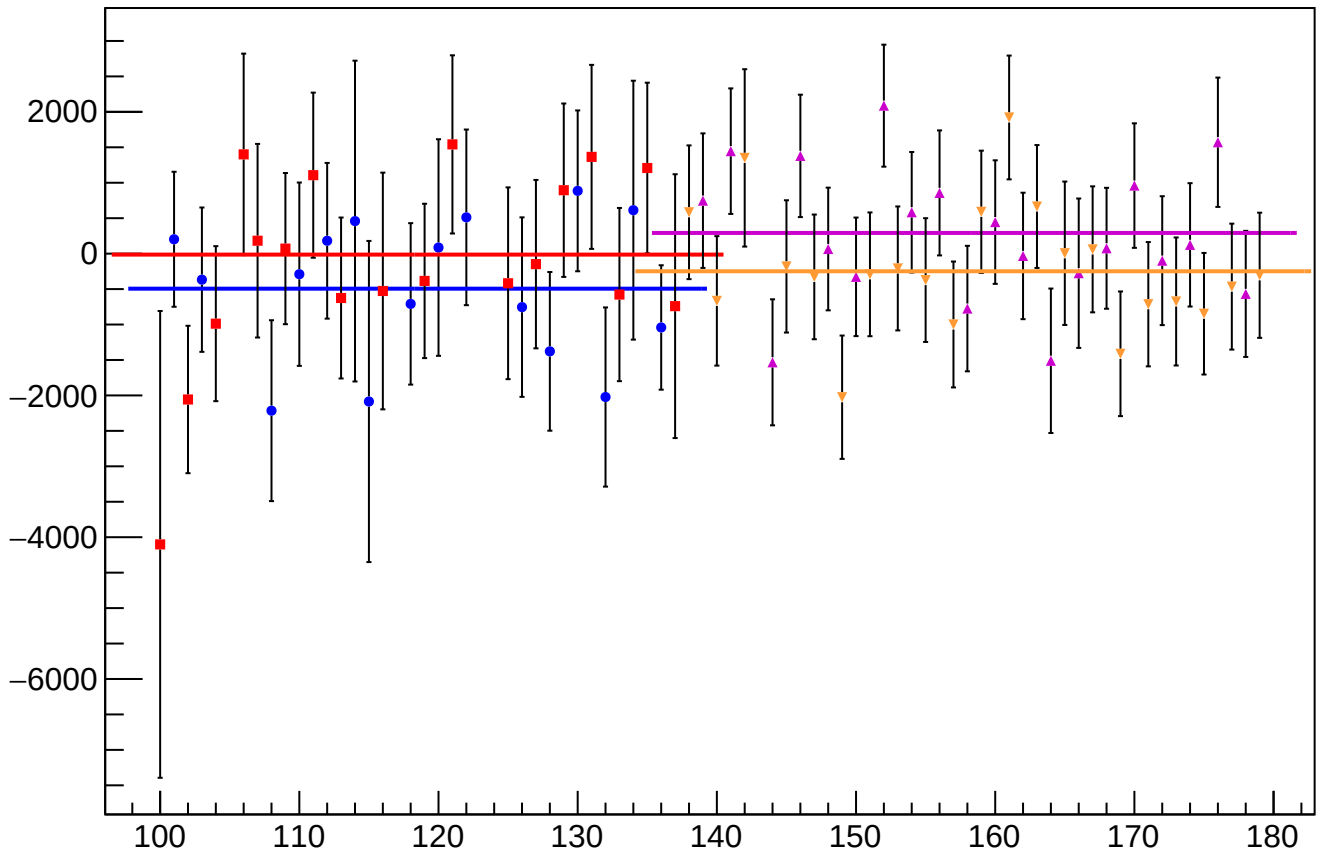
Left In: 1628.034+/-0.296 χ^2/NDF : 697976.4/19

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

All: 1578.175+/-0.169 χ^2/NDF : 2134799.8/74

- sign 1578.912+/-0.238 χ^2/NDF : 1032730.2/37

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

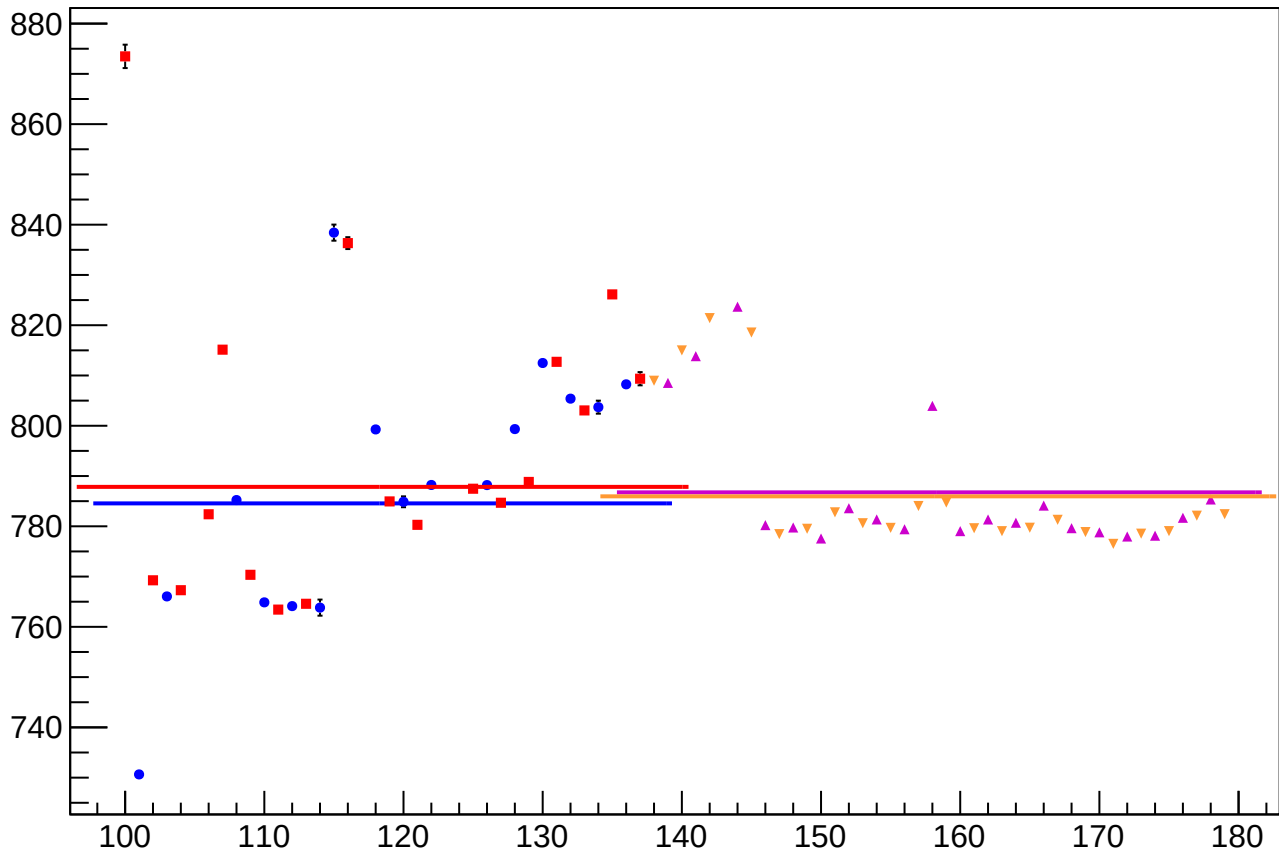
Left In: 291.971 ± 199.352 χ^2/NDF : 22.0/19

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

All: -62.491 ± 116.955 χ^2/NDF : 68.9/74

- sign 197.412 ± 165.650 χ^2/NDF : 36.1/37

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

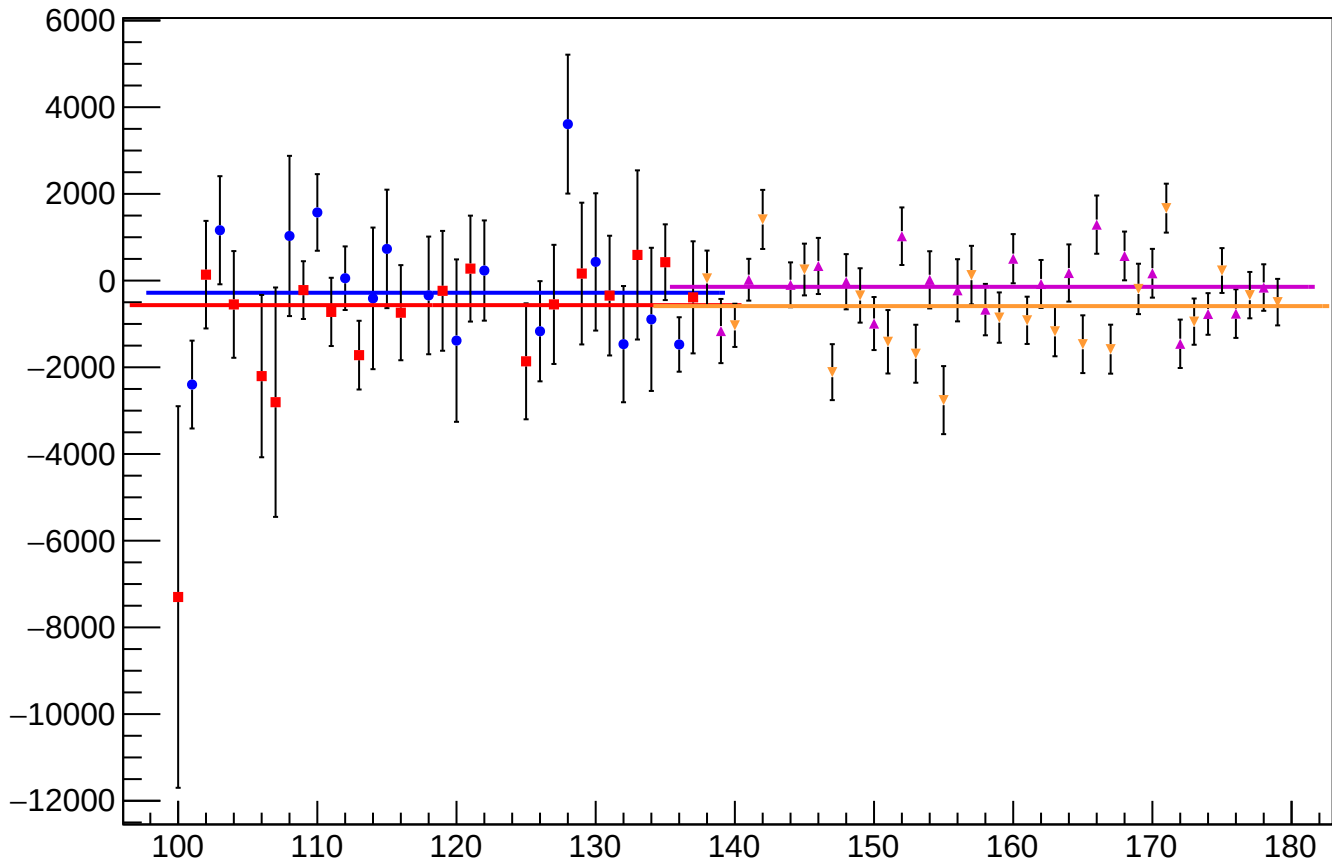
Left In: 786.751 $\pm$ 0.141 χ^2 /NDF: 8929.6/19

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

All: 786.316 $\pm$ 0.083 χ^2 /NDF: 42446.8/74

- sign 787.089 $\pm$ 0.117 χ^2 /NDF: 19857.2/37

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

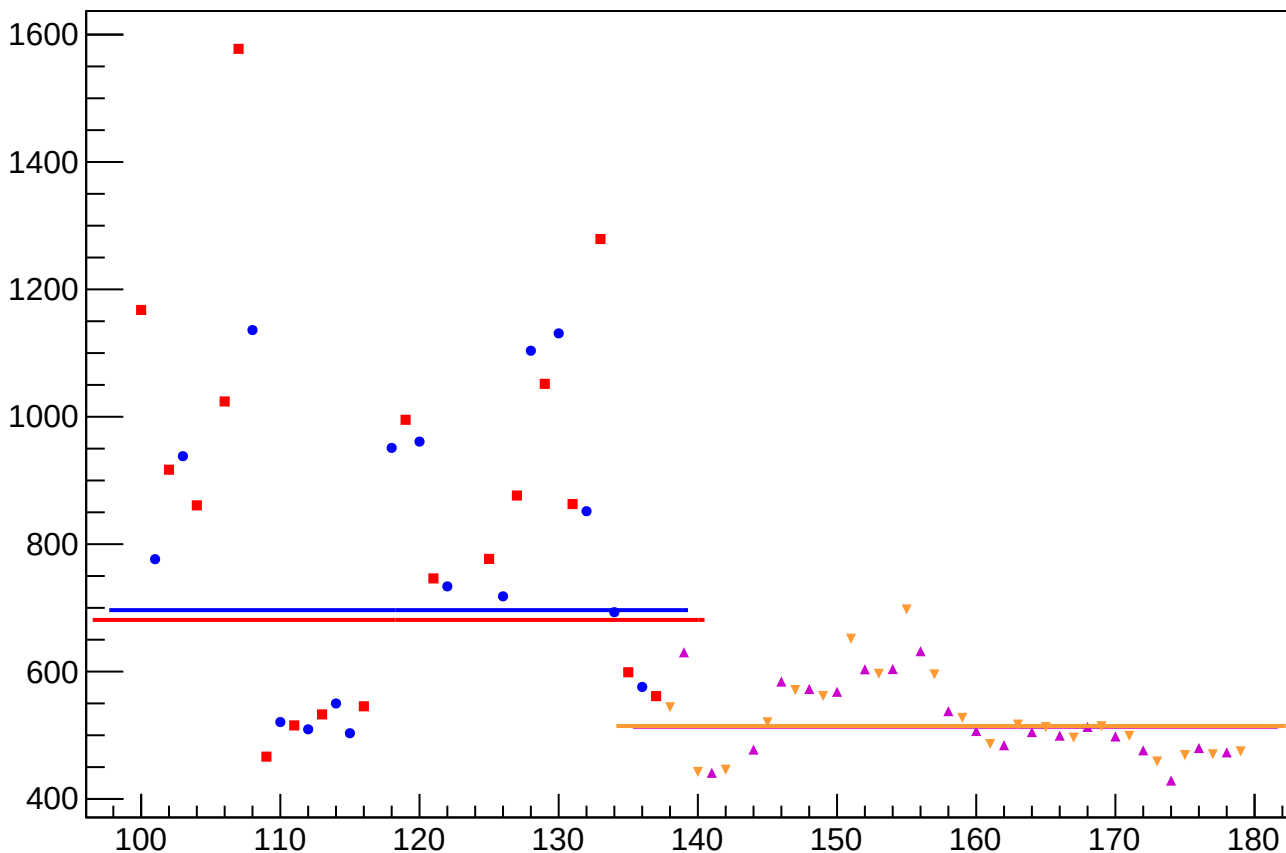
Left In: -143.919 ± 131.142 χ^2/NDF : 25.0/19

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

All: -379.331 ± 83.496 χ^2/NDF : 121.4/74

- sign -223.153 ± 118.201 χ^2/NDF : 36.9/37

asym_us_dd_correction_rms vs Slug



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

Left Out: 514.477 ± 0.092 χ^2/NDF : 402960.0/20

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

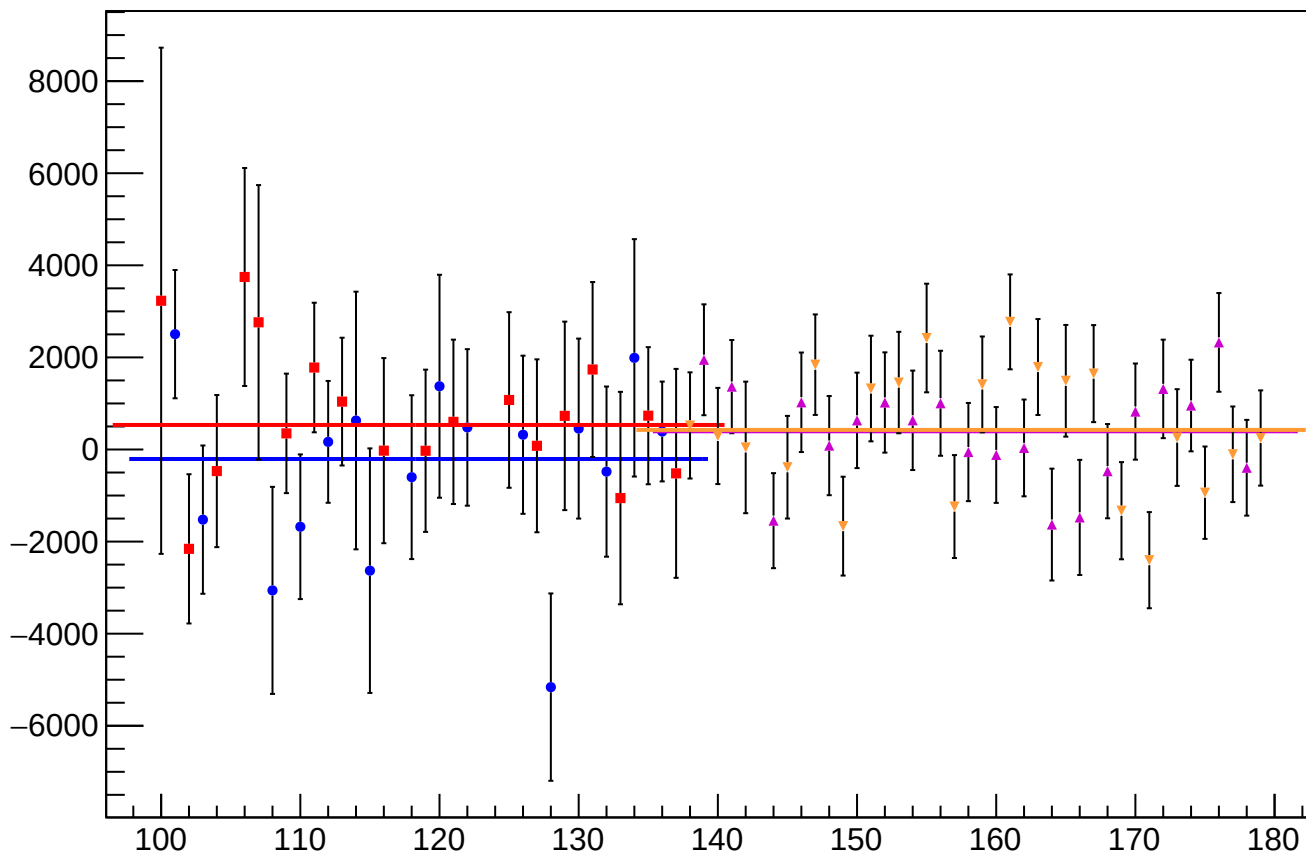
Left In: 513.336 ± 0.093 χ^2/NDF : 392062.4/19

+ sign 546.208 ± 0.083 χ^2/NDF : 2047702.4/36

All: 545.514 ± 0.059 χ^2/NDF : 4406745.1/74

- sign 544.817 ± 0.084 χ^2/NDF : 2358904.0/37

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

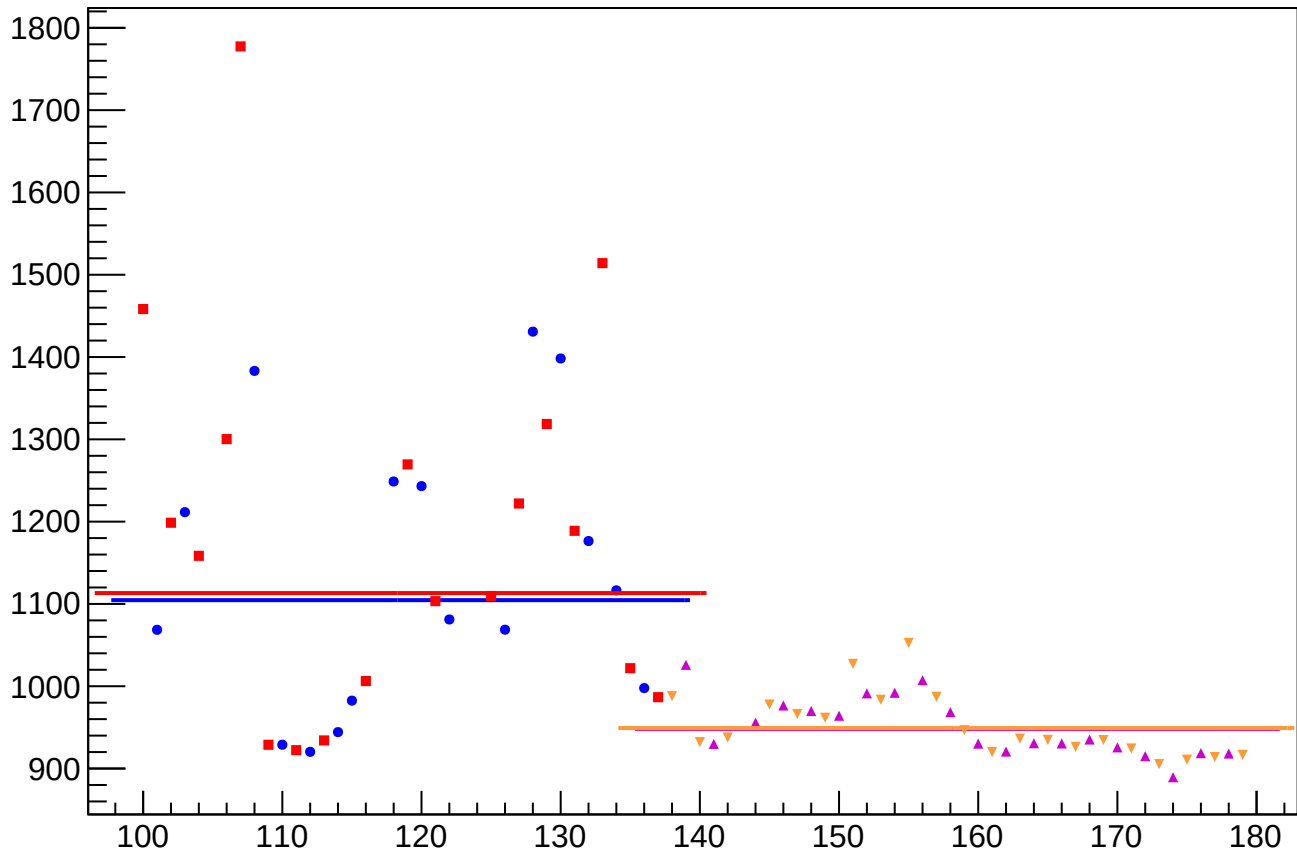
Left In: 395.456 ± 240.411 χ^2/NDF : 18.6/19

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

All: 353.514 ± 147.738 χ^2/NDF : 79.3/74

- sign 428.508 ± 209.505 χ^2/NDF : 26.8/37

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

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

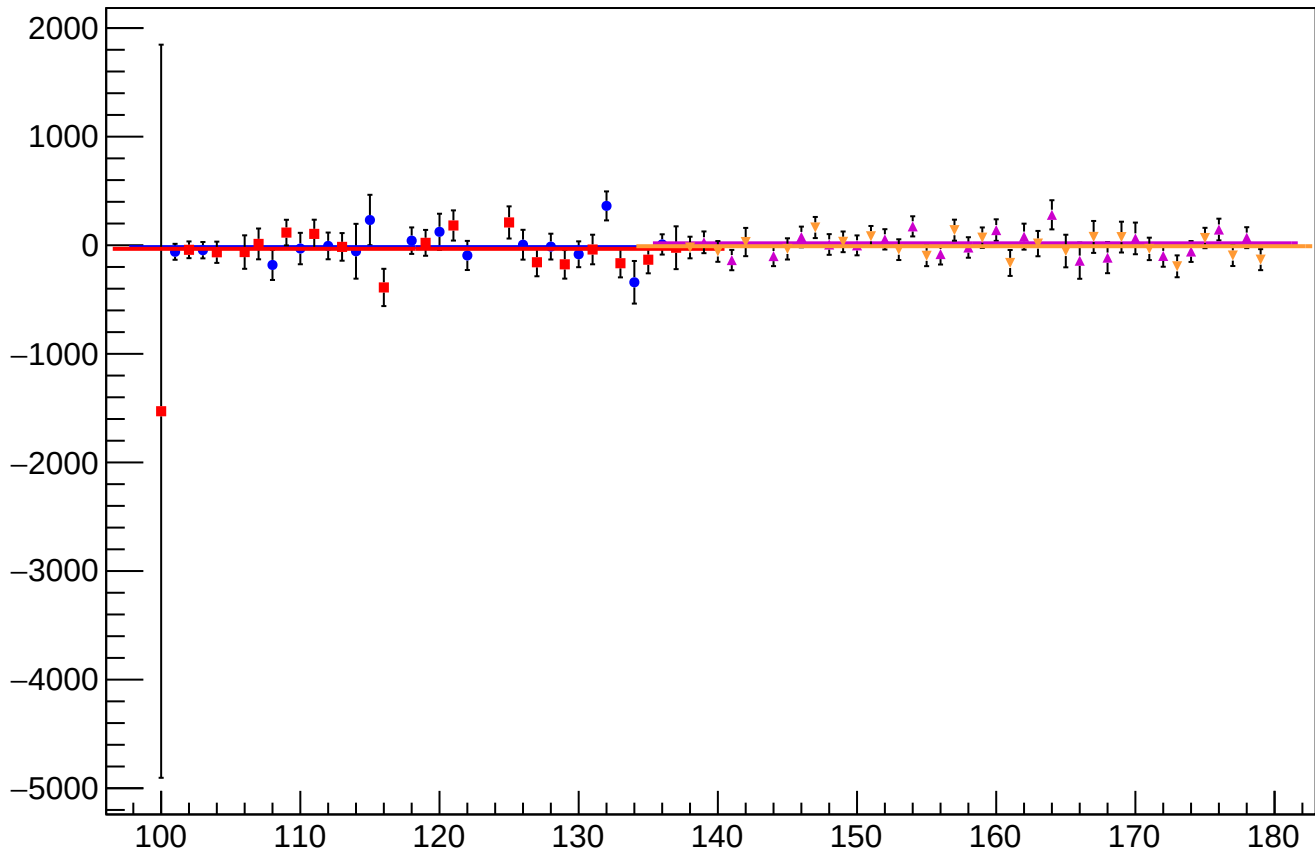
Right Out: 1113.215 $\pm$ 0.302 χ^2/NDF : 362982.2/17

All: 986.432 $\pm$ 0.104 χ^2/NDF : 1132701.4/74

- sign 987.843 $\pm$ 0.148 χ^2/NDF : 630324.1/37

Left In: 948.124 $\pm$ 0.170 χ^2/NDF : 40439.0/19

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

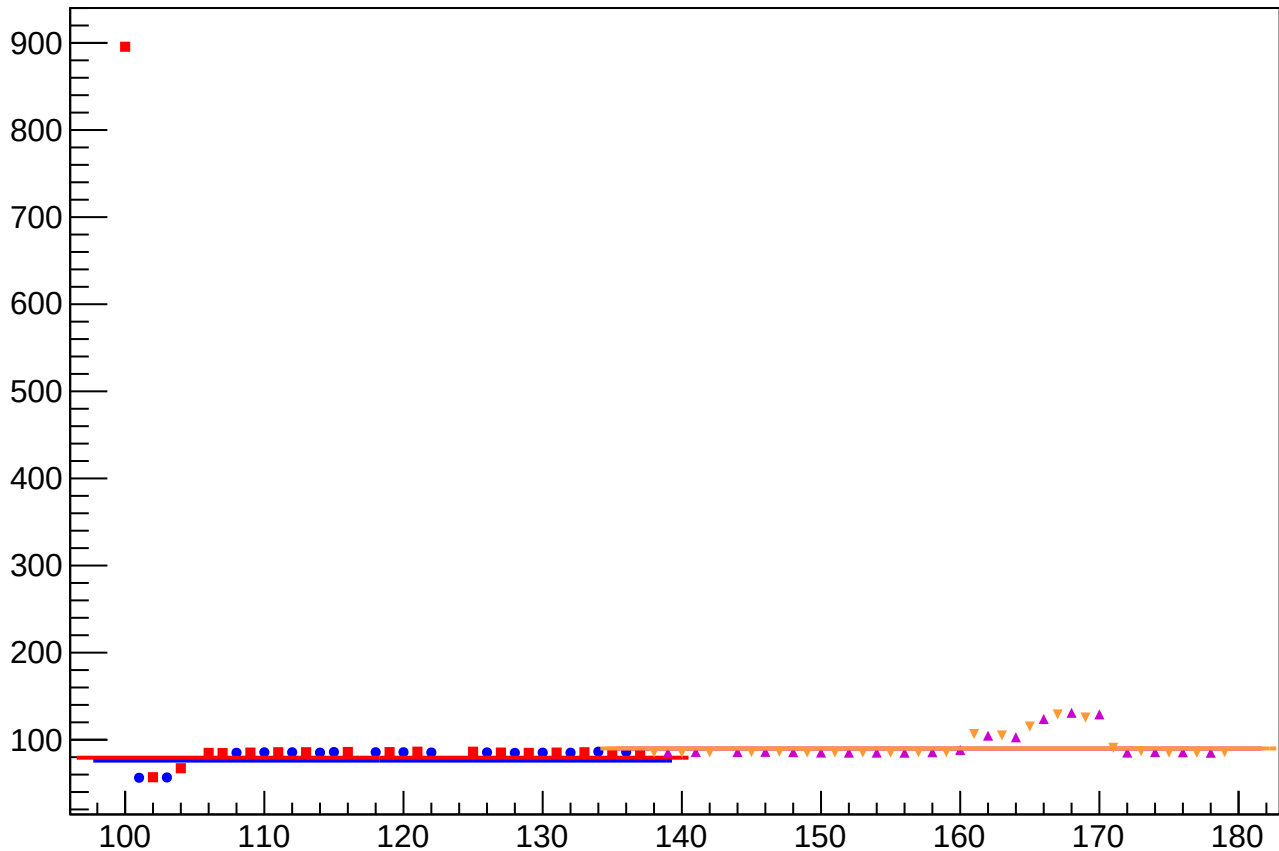
Left In: 17.697 ± 22.972 χ^2/NDF : 20.3/19

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

All: -6.344 ± 12.878 χ^2/NDF : 72.1/74

- sign -0.655 ± 18.338 χ^2/NDF : 38.6/37

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

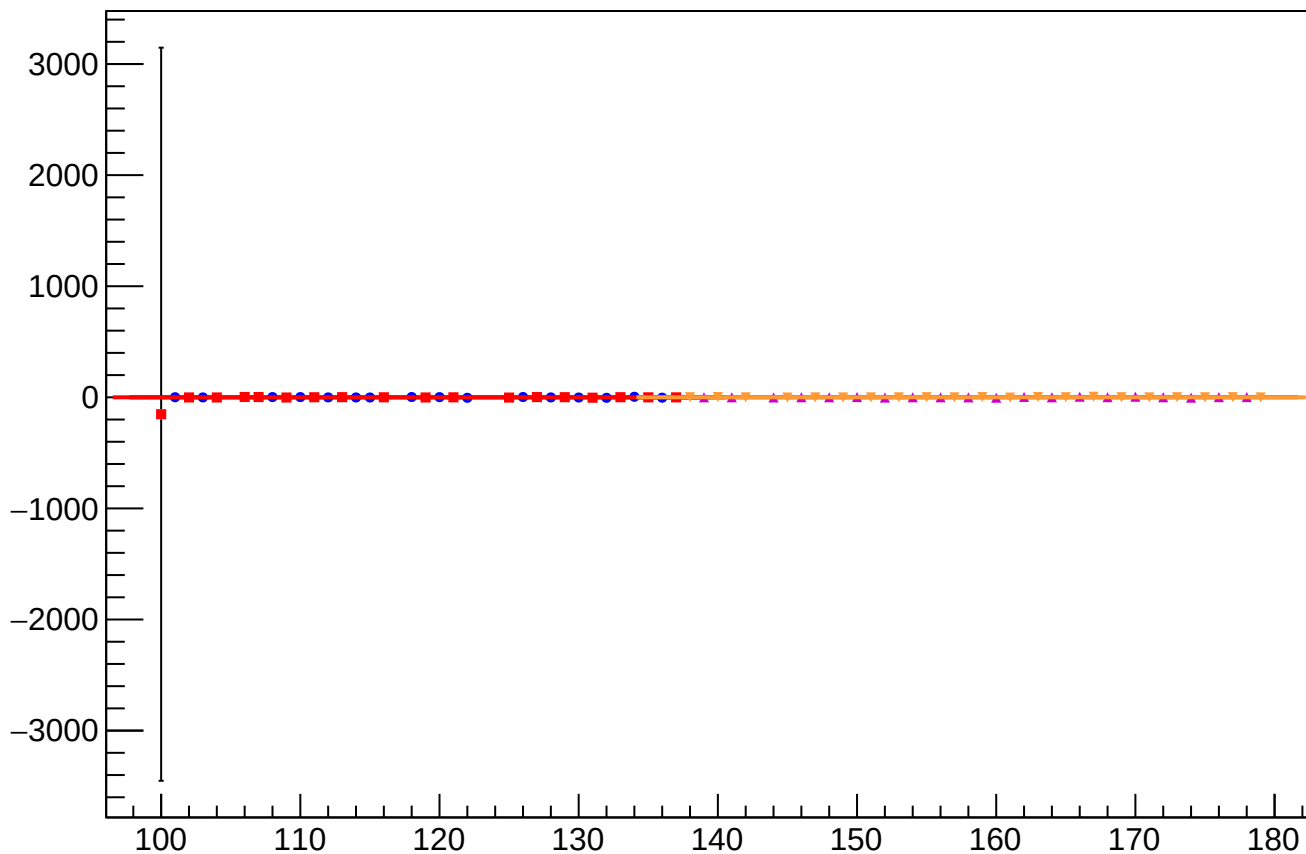
Left In: 89.899 $\pm$ 0.016 χ^2 /NDF: 499688.4/19

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

All: 85.502 $\pm$ 0.009 χ^2 /NDF: 2173900.9/74

- sign 86.087 $\pm$ 0.013 χ^2 /NDF: 1030059.6/37

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

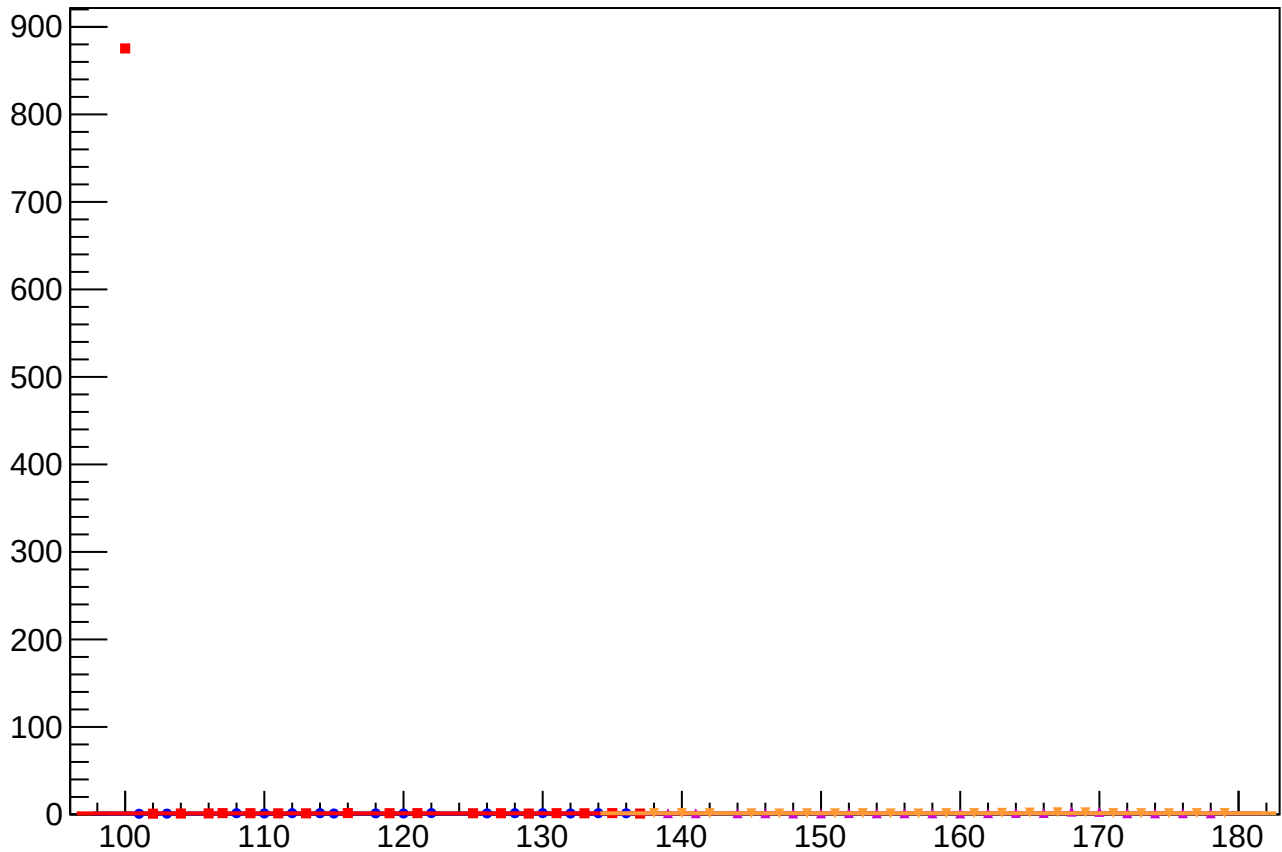
Left In: 0.429 ± 0.411 χ^2/NDF : 25.0/19

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

All: 0.064 ± 0.224 χ^2/NDF : 70.2/74

- sign 0.235 ± 0.322 χ^2/NDF : 34.6/37

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

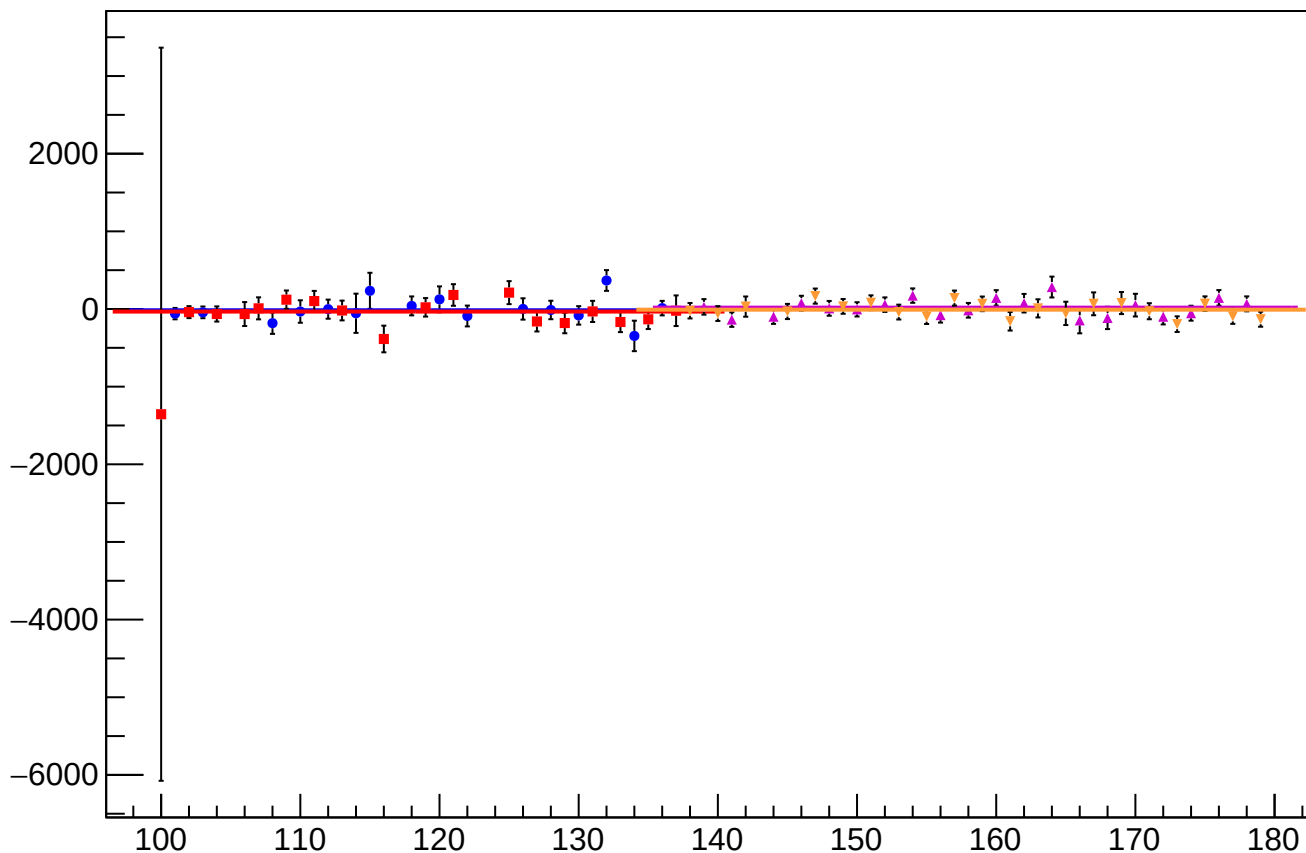
Left In: 1.457 $\pm$ 0.000 χ^2 /NDF: 992347.1/19

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

All: 1.340 $\pm$ 0.000 χ^2 /NDF: 3517986.0/74

- sign 1.376 $\pm$ 0.000 χ^2 /NDF: 1709827.7/37

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

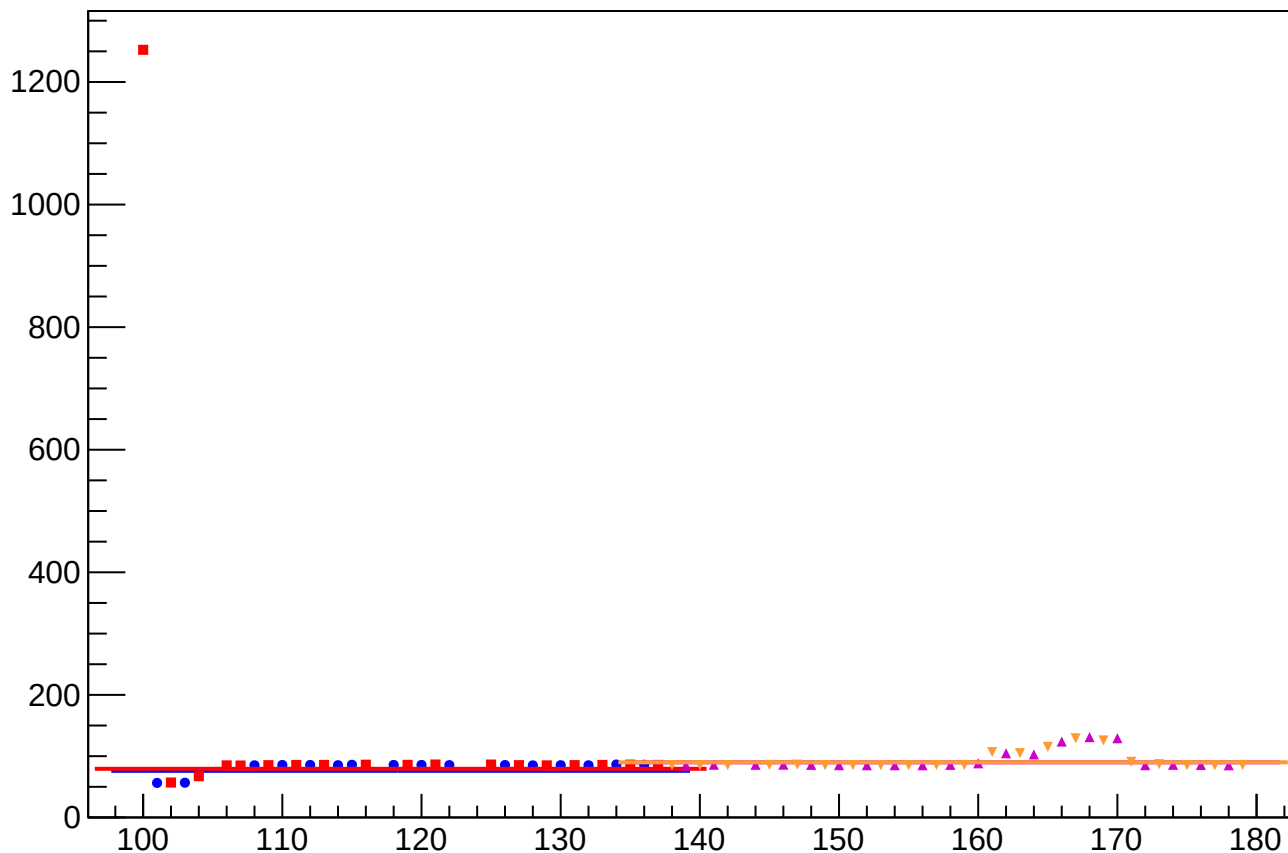
Left In: 17.389 ± 22.979 χ^2/NDF : 20.2/19

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

All: -6.314 ± 12.882 χ^2/NDF : 72.1/74

- sign -0.932 ± 18.343 χ^2/NDF : 38.5/37

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

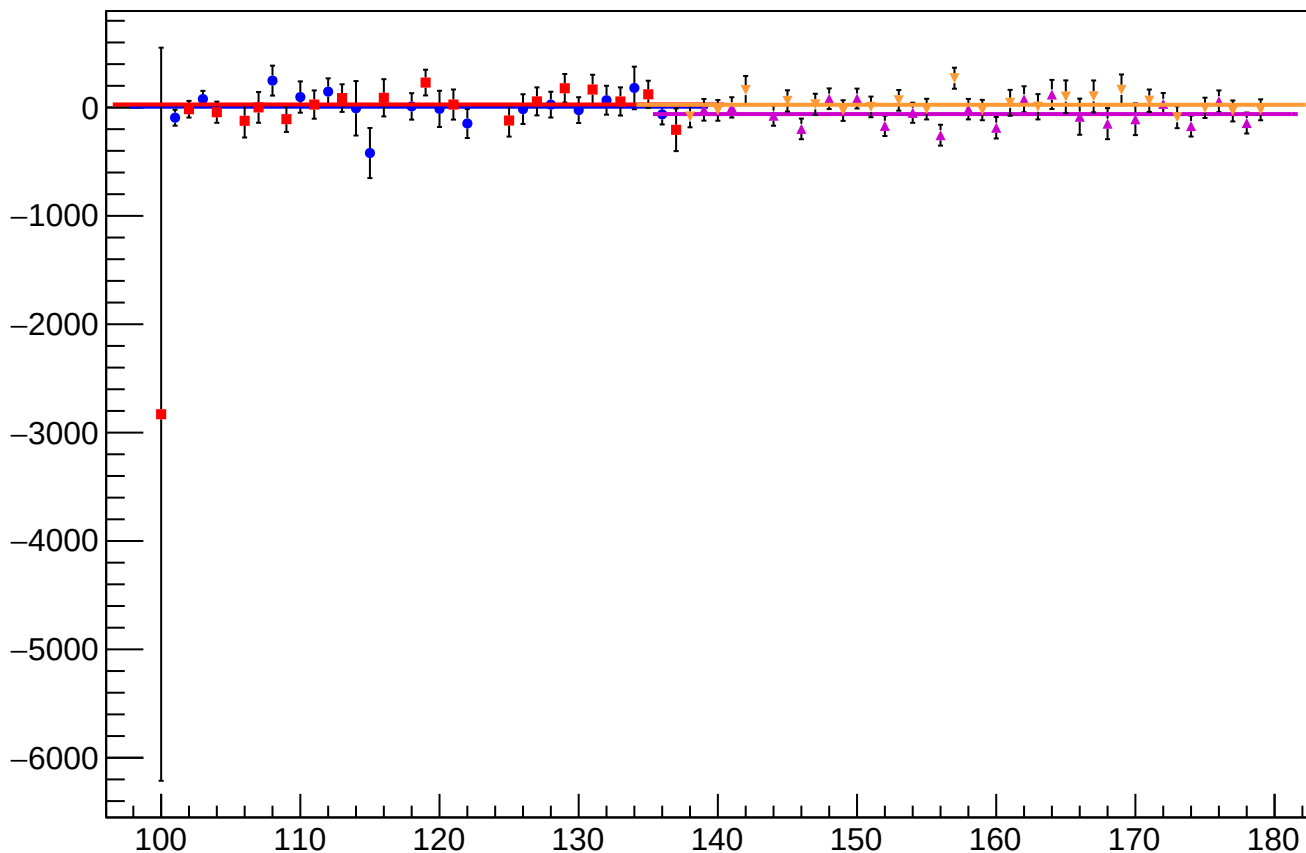
Left In: 89.925+/-0.016 χ^2/NDF : 500560.9/19

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

All: 85.522+/-0.009 χ^2/NDF : 2182709.1/74

- sign 86.105+/-0.013 χ^2/NDF : 1038032.5/37

reg_asym_ds_dd_mean vs Slug



Right In: 7.460 ± 29.969 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 24.988 ± 22.687 $\chi^2/\text{NDF}: 13.7/20$

Right Out: 27.920 ± 30.428 $\chi^2/\text{NDF}: 12.5/17$

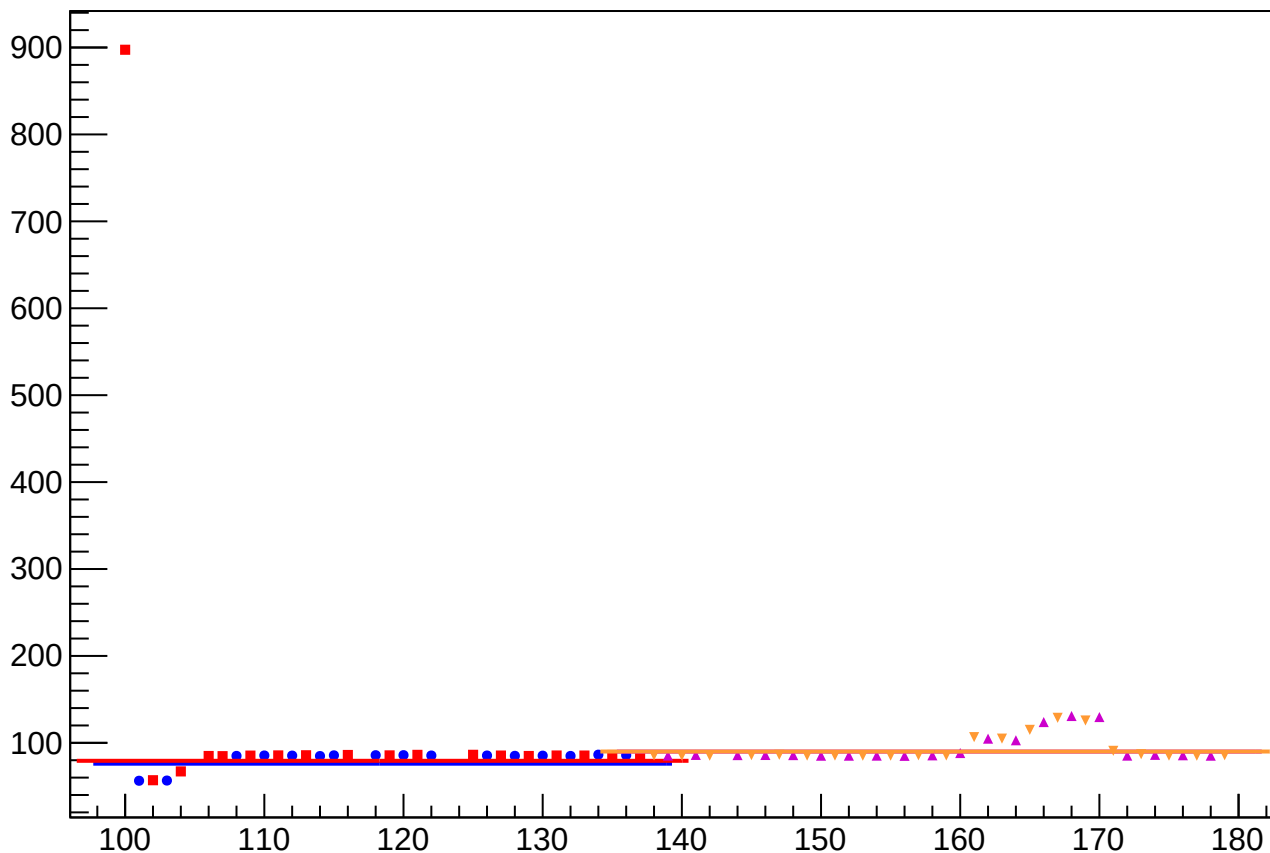
Left In: -60.861 ± 22.982 $\chi^2/\text{NDF}: 22.6/19$

+ sign 18.603 ± 18.088 $\chi^2/\text{NDF}: 27.9/36$

All: -4.679 ± 12.878 $\chi^2/\text{NDF}: 71.7/74$

- sign -28.611 ± 18.339 $\chi^2/\text{NDF}: 40.5/37$

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

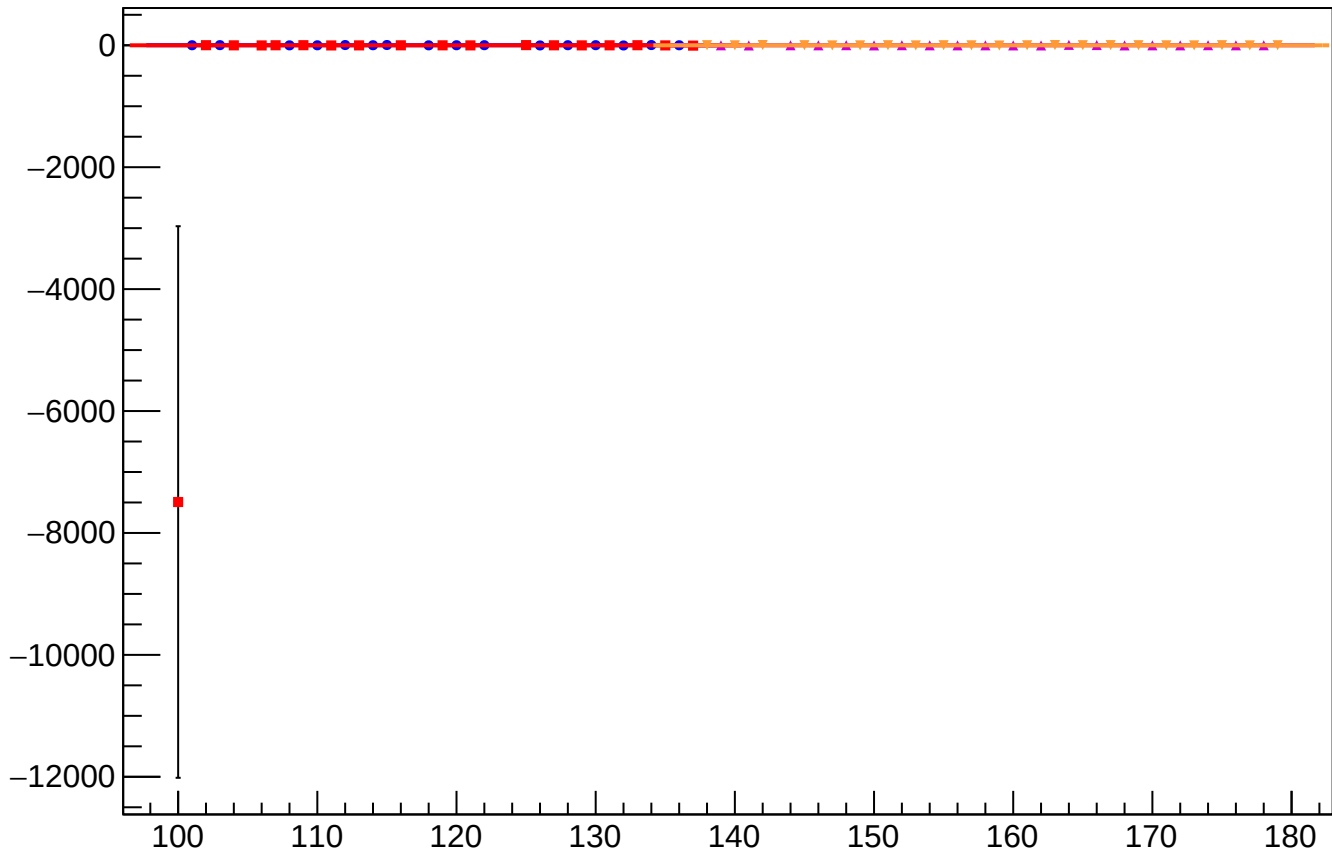
Left In: 89.934 $\pm$ 0.016 χ^2 /NDF: 502309.1/19

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

All: 85.495 $\pm$ 0.009 χ^2 /NDF: 2180223.1/74

- sign 86.087 $\pm$ 0.013 χ^2 /NDF: 1035019.7/37

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

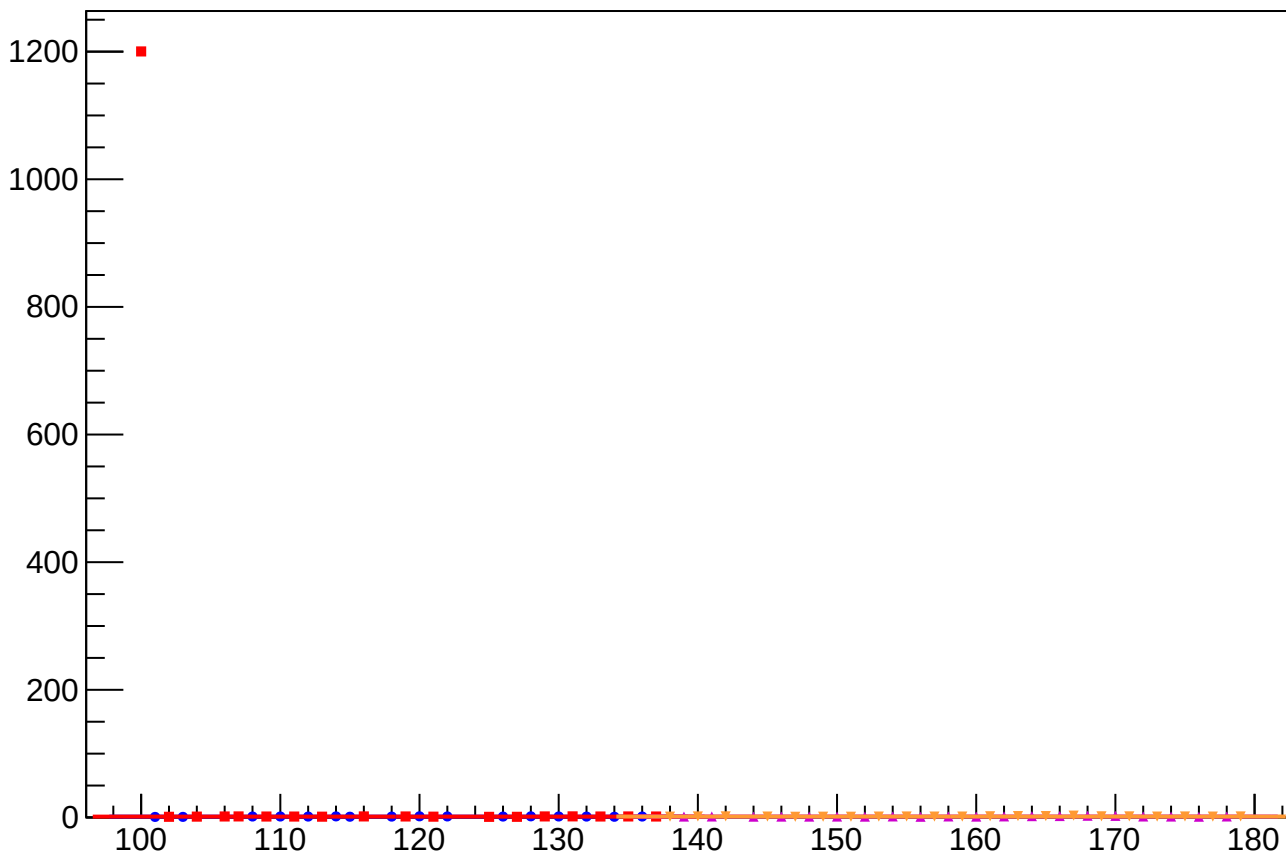
Left In: -0.045 ± 0.412 χ^2/NDF : 15.7/19

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

All: -0.023 ± 0.231 χ^2/NDF : 63.2/74

- sign -0.142 ± 0.329 χ^2/NDF : 28.5/37

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

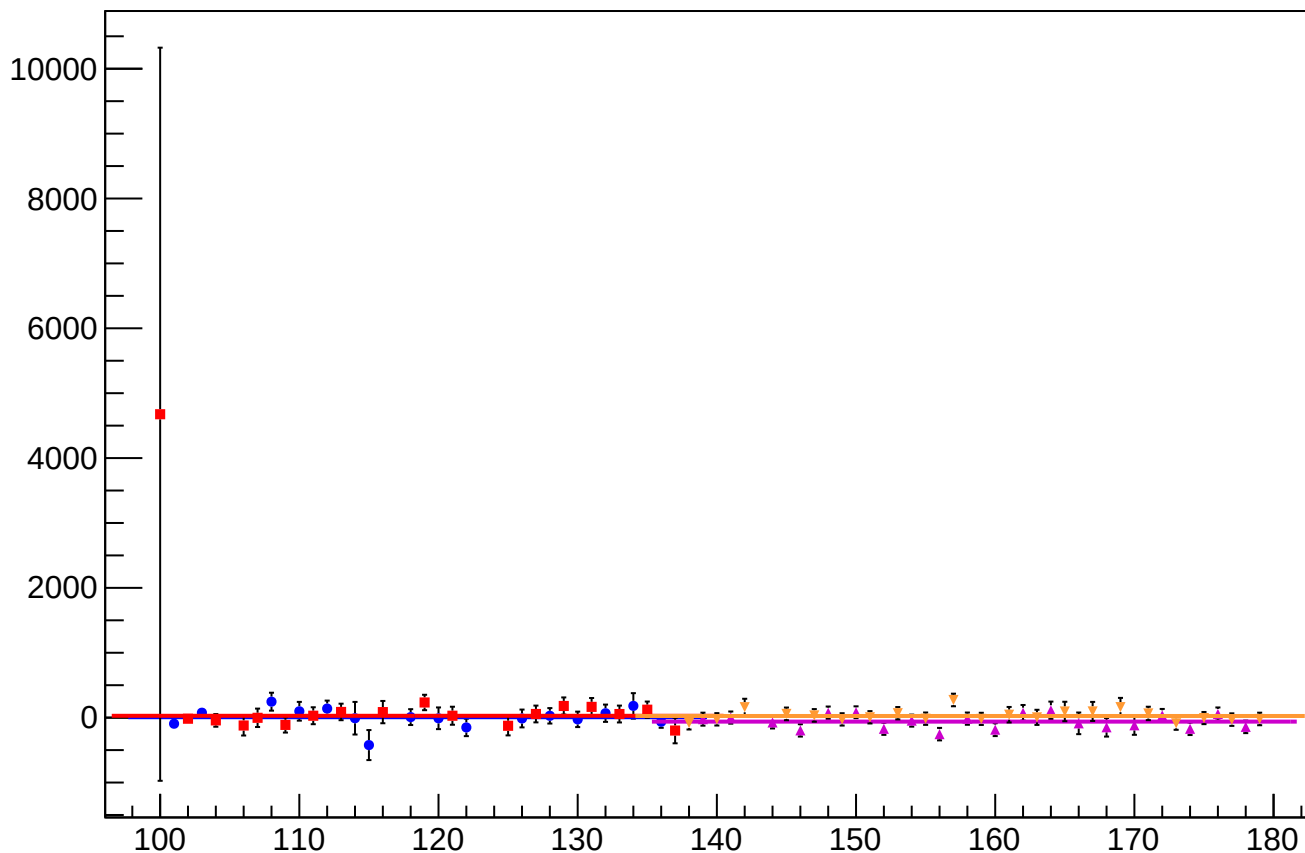
Left In: 1.447 $\pm$ 0.000 χ^2 /NDF: 999445.2/19

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

All: 1.385 $\pm$ 0.000 χ^2 /NDF: 3518926.8/74

- sign 1.401 $\pm$ 0.000 χ^2 /NDF: 1592805.8/37

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

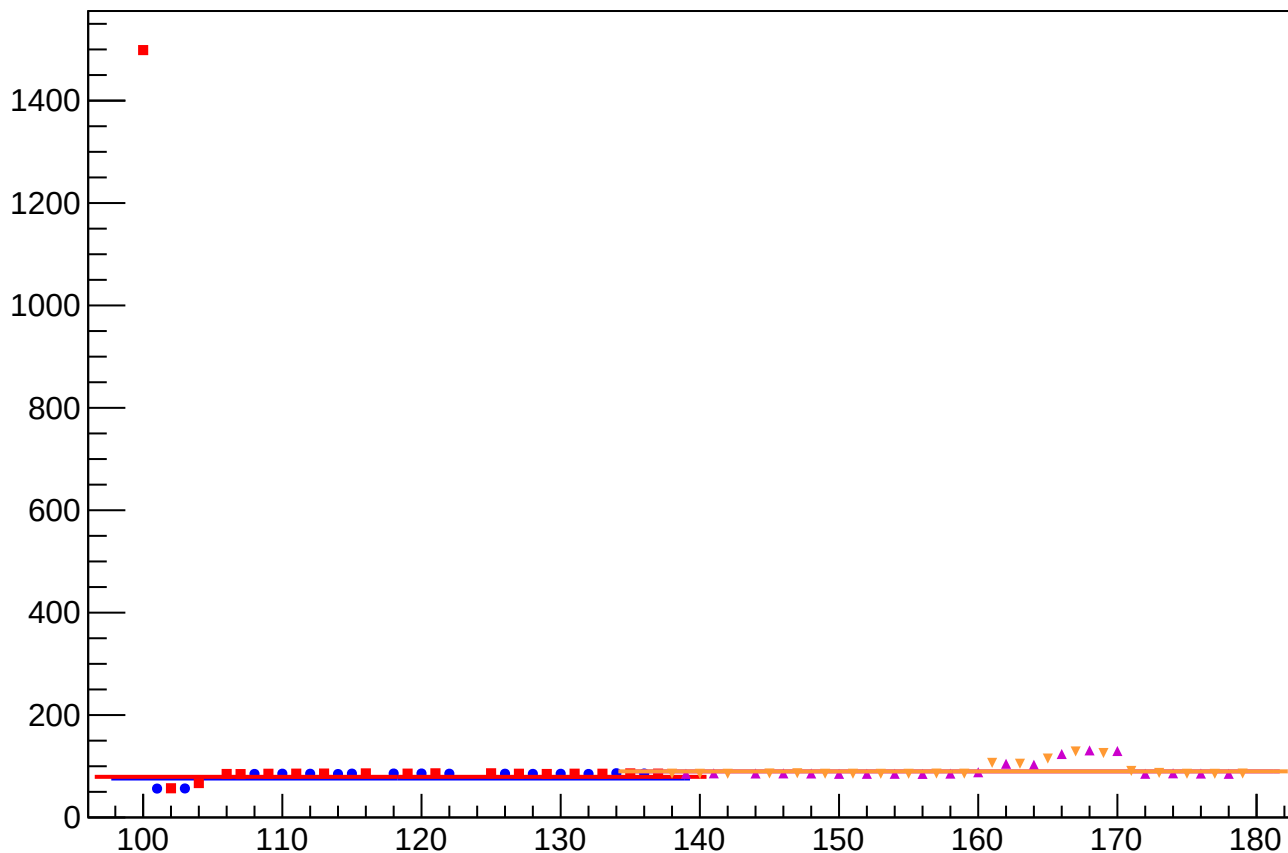
Left In: -61.304 ± 22.989 χ^2/NDF : 22.2/19

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

All: -4.617 ± 12.882 χ^2/NDF : 71.5/74

- sign -28.663 ± 18.345 χ^2/NDF : 40.5/37

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

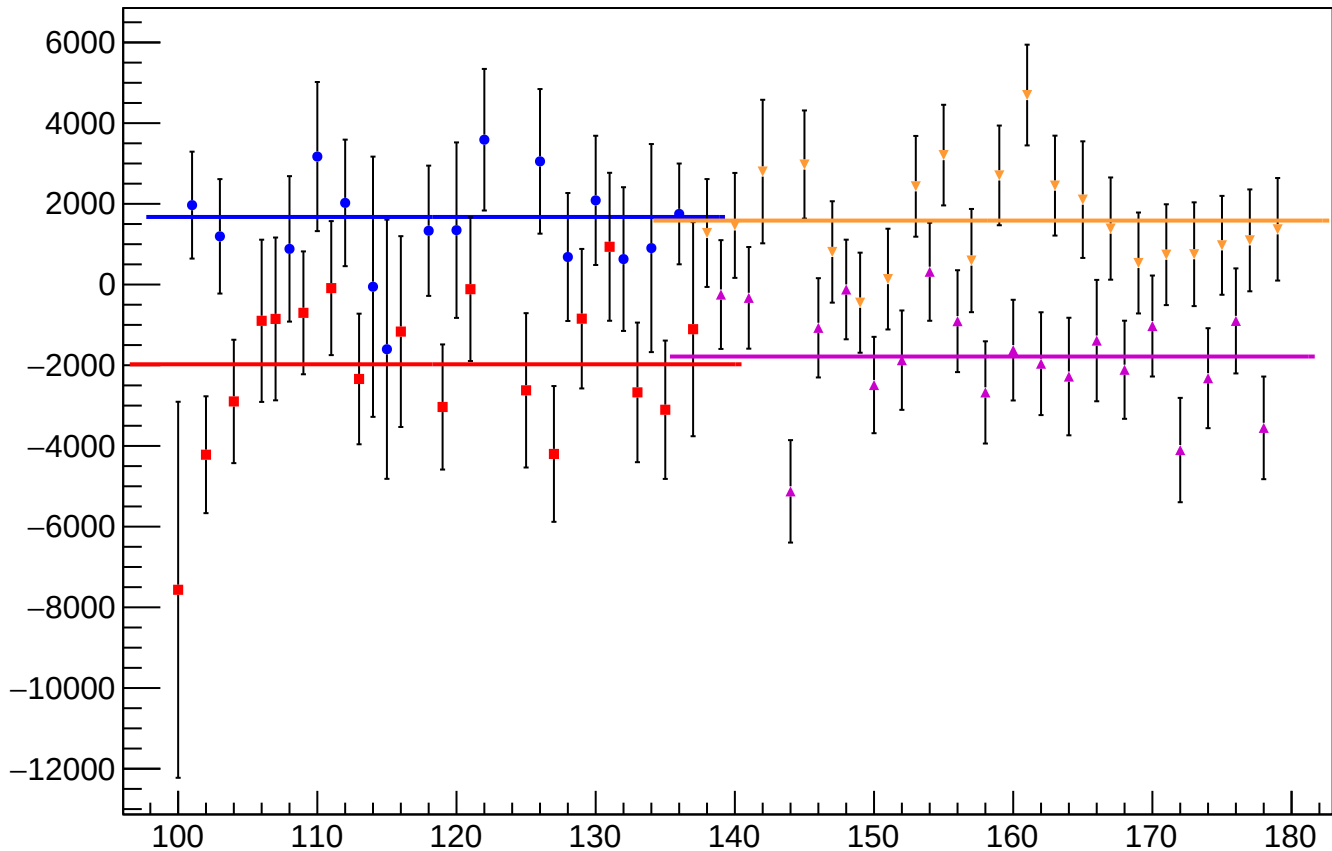
Left In: 89.961 $\pm$ 0.016 χ^2 /NDF: 503112.6/19

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

All: 85.516 $\pm$ 0.009 χ^2 /NDF: 2191883.5/74

- sign 86.102 $\pm$ 0.013 χ^2 /NDF: 1045867.3/37

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

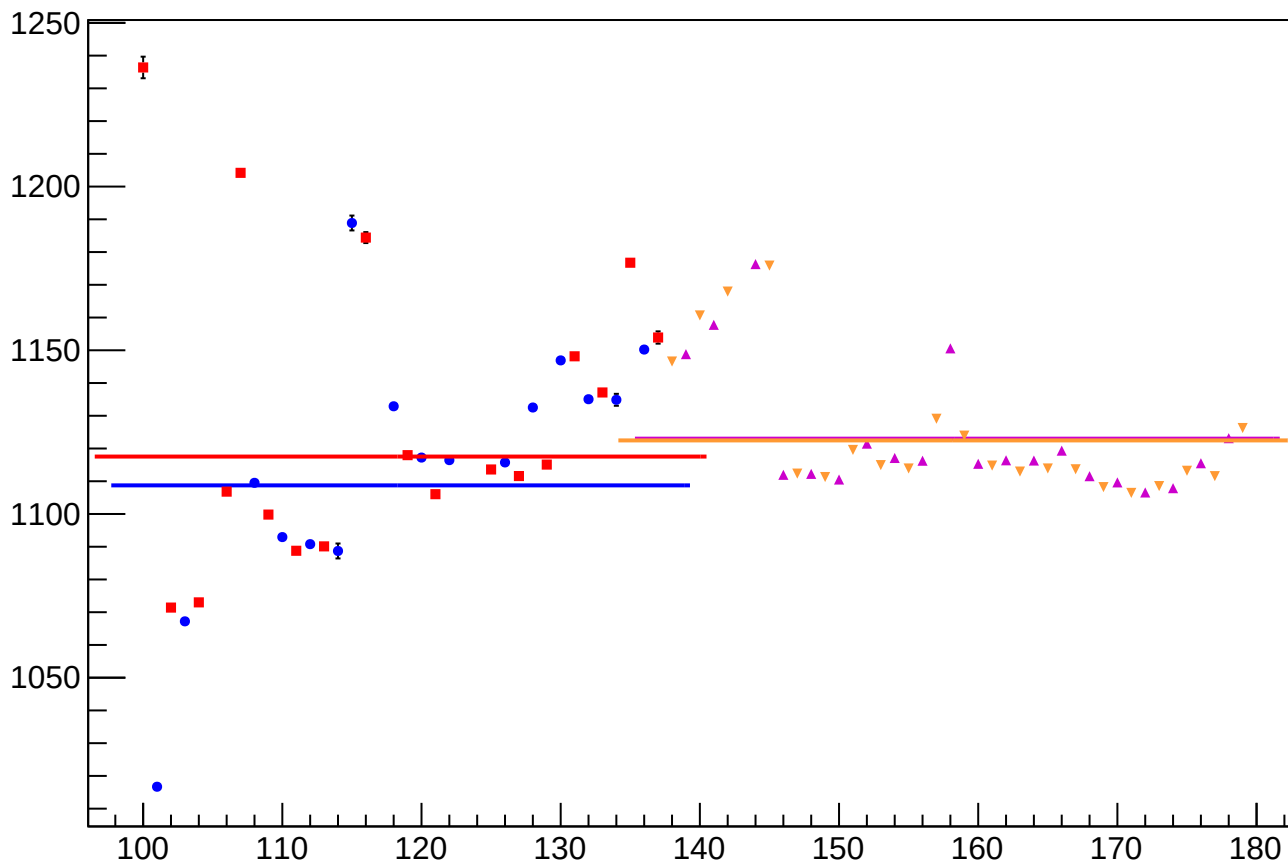
Left In: -1784.165 $\pm$ 284.556 χ^2 /NDF:22.5/19

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

All: -109.688 $\pm$ 166.574 χ^2 /NDF: 167.9/74

- sign -1844.139 $\pm$ 236.001 χ^2 /NDF: 36.6/37

reg_asym_usl_rms vs Slug



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

Left Out: 1122.472 $\pm$ 0.198 χ^2 /NDF: 8849.1/20

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

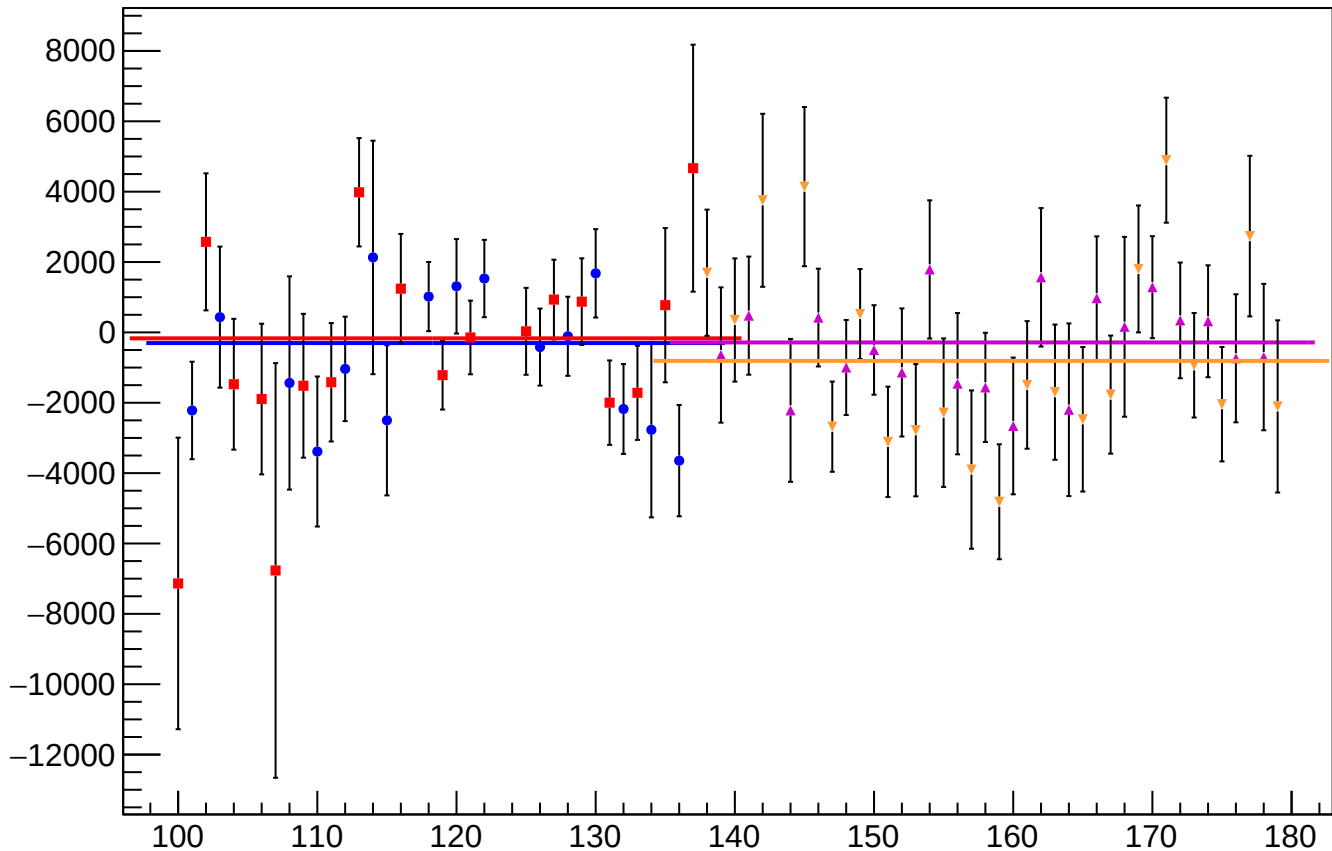
Left In: 1123.007 $\pm$ 0.201 χ^2 /NDF: 8646.8/19

+ sign 1118.377 $\pm$ 0.166 χ^2 /NDF: 28357.3/36

All: 1119.833 $\pm$ 0.118 χ^2 /NDF: 52903.8/74

- sign 1121.300 $\pm$ 0.167 χ^2 /NDF: 24392.5/37

asym_usl_correction_mean vs Slug



Right In: -303.335 ± 360.068 $\chi^2/\text{NDF}: 22.3/15$

Left Out: -810.190 ± 386.760 $\chi^2/\text{NDF}: 42.5/20$

Right Out: -168.849 ± 356.237 $\chi^2/\text{NDF}: 24.9/17$

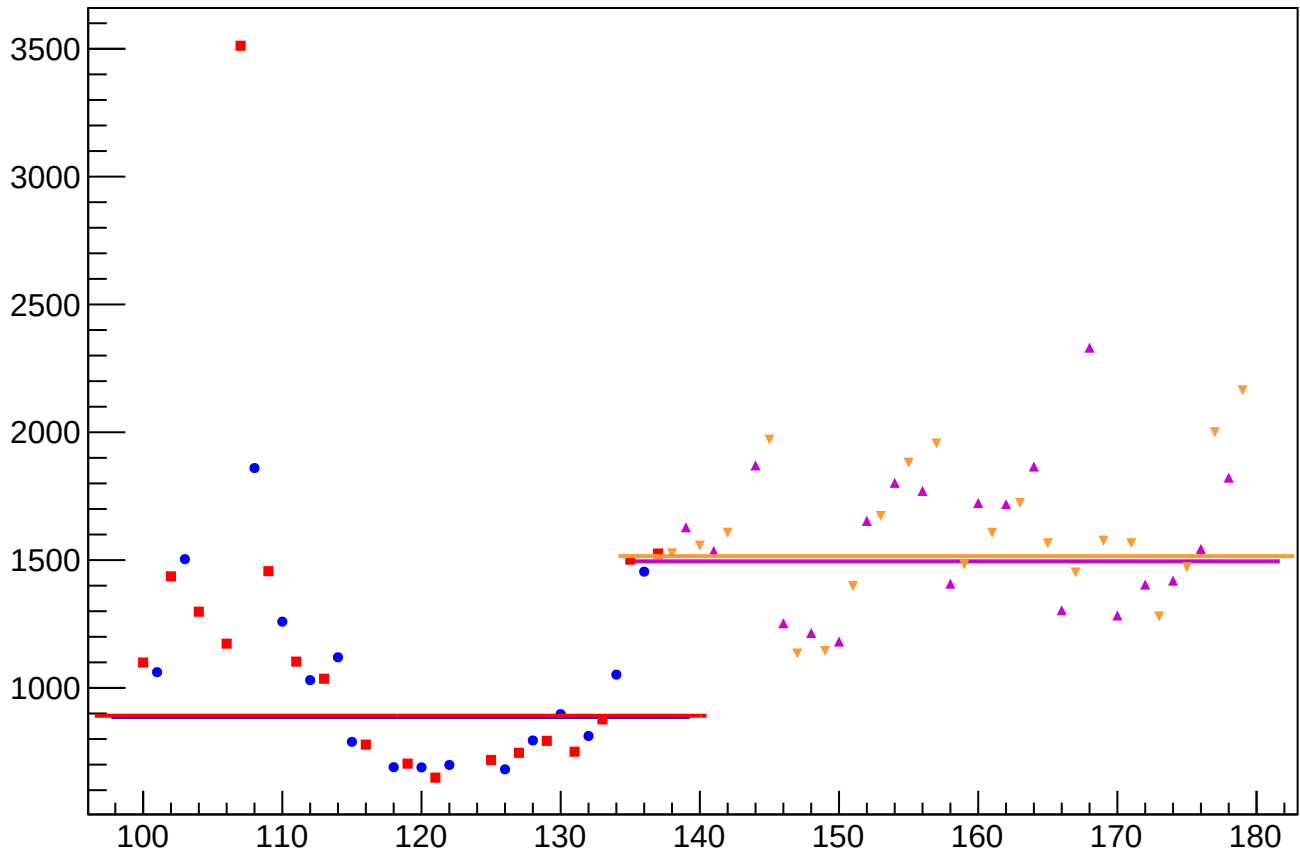
Left In: -285.352 ± 385.892 $\chi^2/\text{NDF}: 9.2/19$

+ sign -538.670 ± 263.538 $\chi^2/\text{NDF}: 65.7/36$

All: -379.488 ± 185.716 $\chi^2/\text{NDF}: 100.5/74$

- sign -222.453 ± 261.754 $\chi^2/\text{NDF}: 34.1/37$

asym_usl_correction_rms vs Slug



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

Left Out: 1515.583 $\pm$ 0.273 χ^2 /NDF: 912038.9/20

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

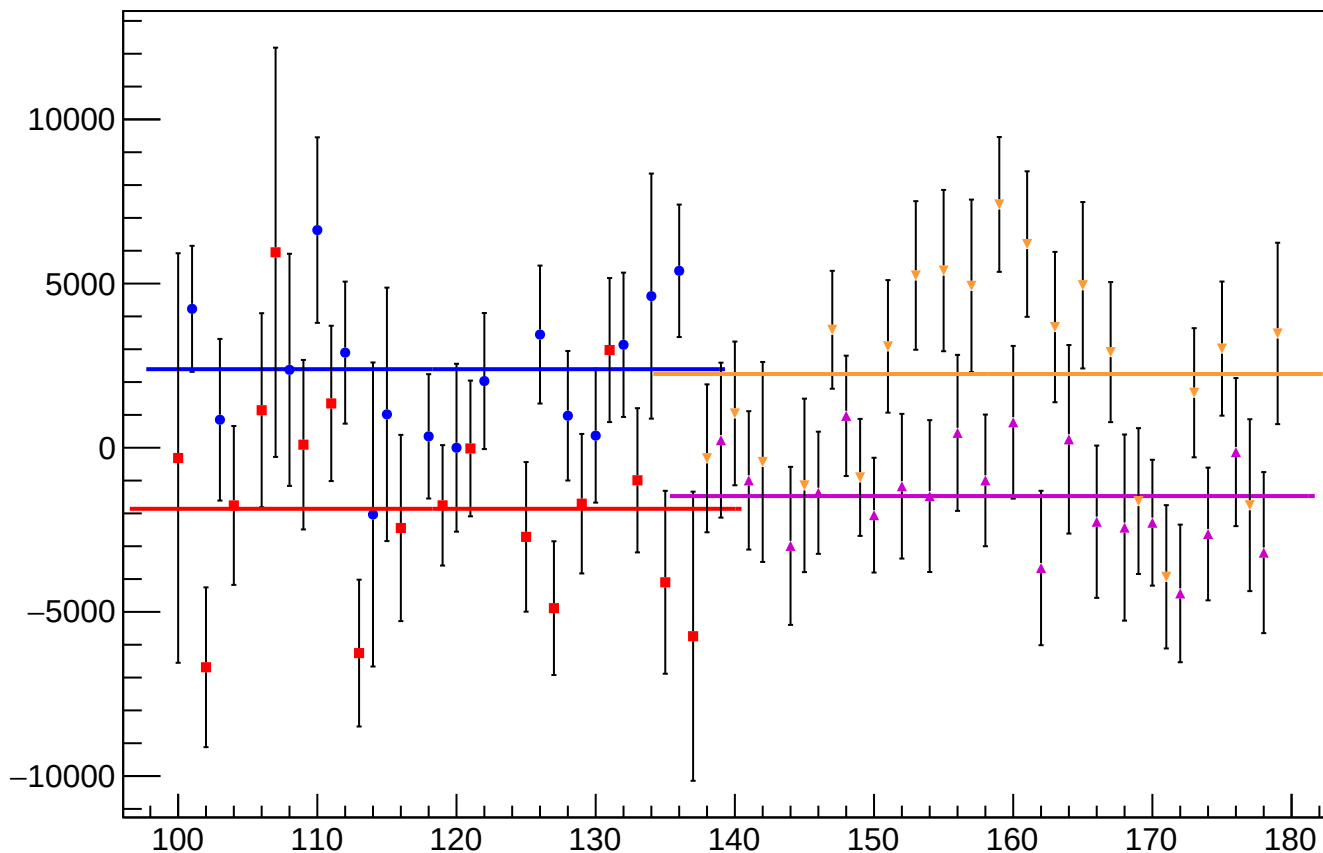
Left In: 1495.242 $\pm$ 0.273 χ^2 /NDF: 896217.4/19

+ sign 1178.689 $\pm$ 0.186 χ^2 /NDF: 4805707.0/36

All: 1173.872 $\pm$ 0.131 χ^2 /NDF: 9763187.1/74

- sign 1169.121 $\pm$ 0.185 χ^2 /NDF: 4956153.1/37

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

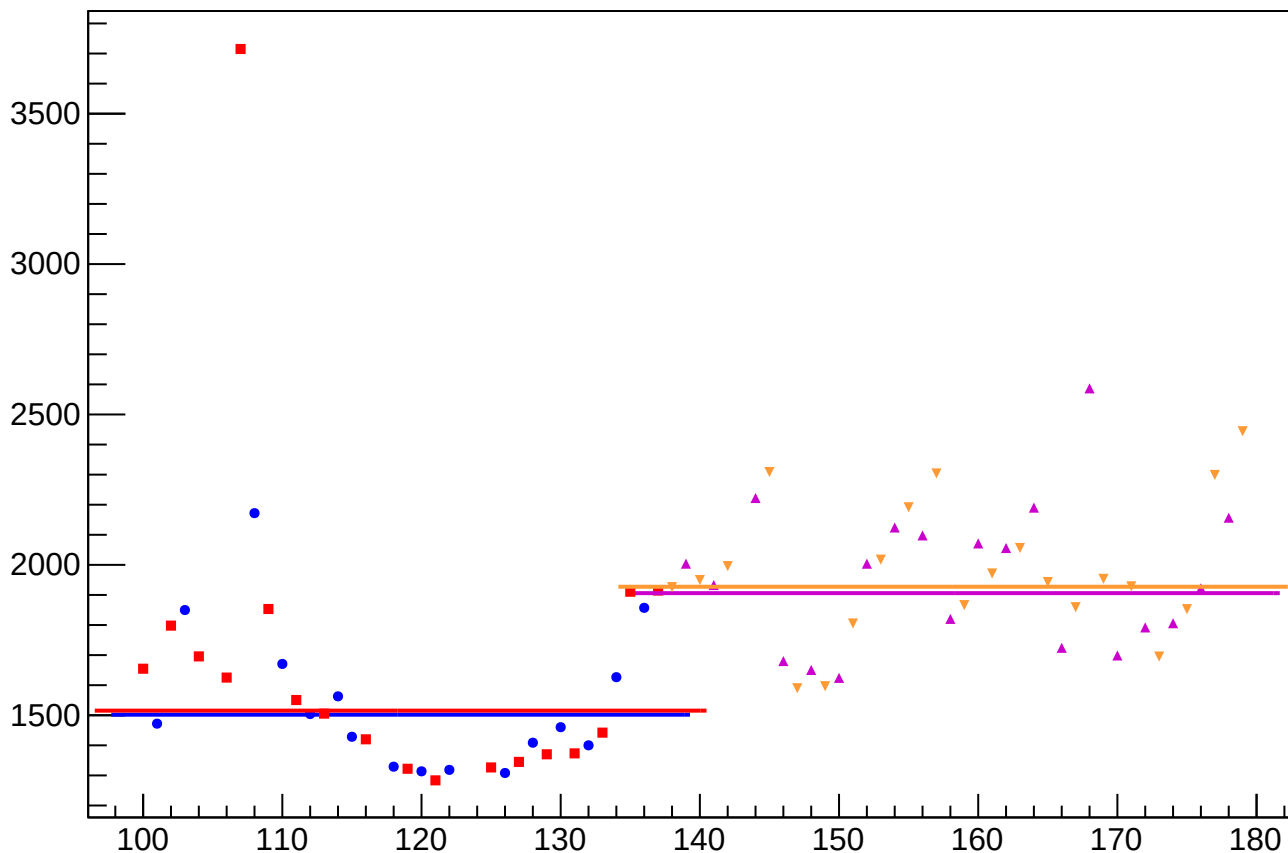
Left In: -1471.664+/-487.063 χ^2/NDF : 9.3/19

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

All: 330.941+/-264.751 χ^2/NDF : 135.8/74

- sign -1631.200+/-373.815 χ^2/NDF : 32.1/37

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

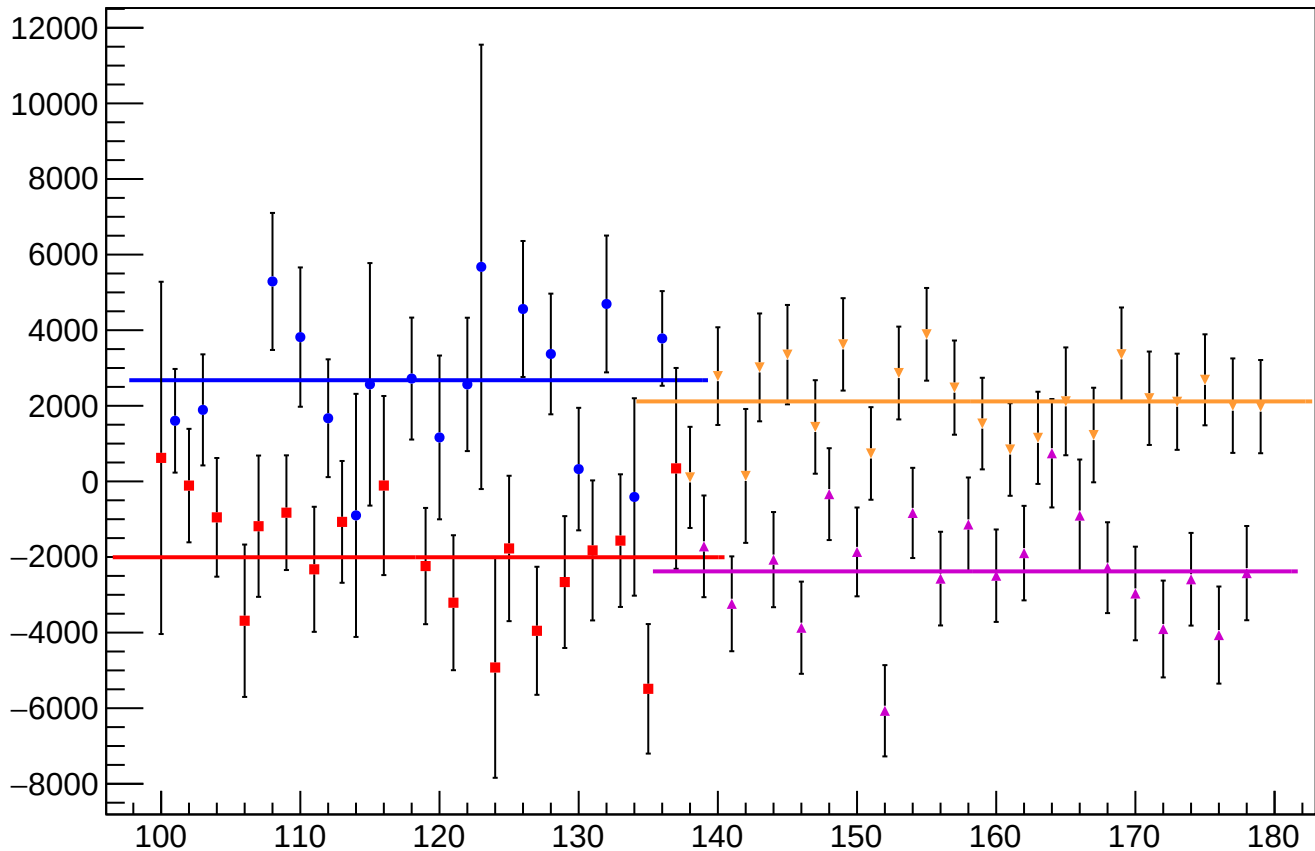
Left In: 1905.977+/-0.344 χ^2/NDF : 417752.6/19

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

All: 1750.139+/-0.187 χ^2/NDF : 2710594.4/74

- sign 1745.468+/-0.264 χ^2/NDF : 1426032.3/37

reg_asym_usr_mean vs Slug



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

Left Out: 2116.145+/-271.448 χ^2/NDF : 14.4/21

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

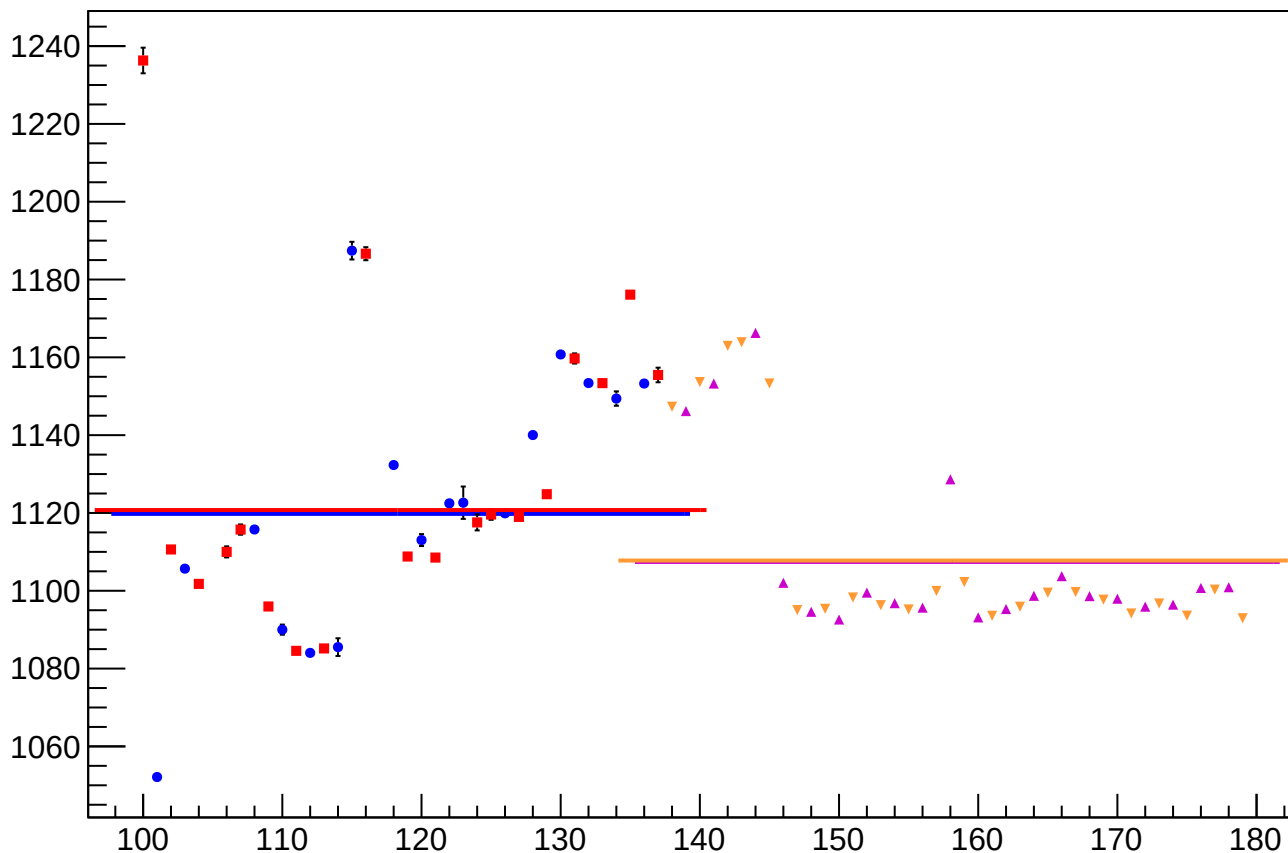
Left In: -2380.378+/-280.617 χ^2/NDF : 26.6/19

+ sign 2273.984+/-230.078 χ^2/NDF : 28.2/38

All: 35.089+/-163.777 χ^2/NDF : 260.1/77

- sign -2264.693+/-233.185 χ^2/NDF : 40.0/38

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

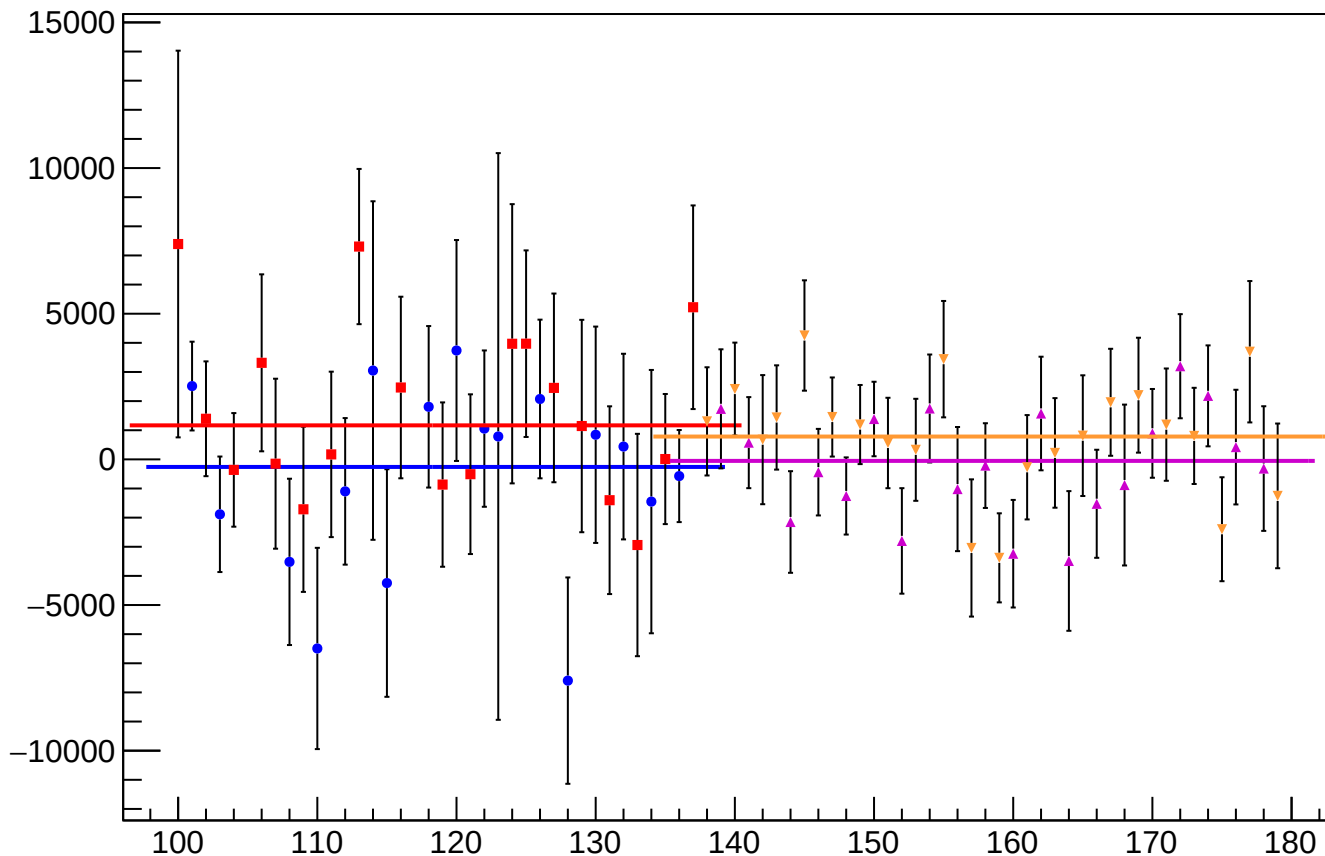
Left In: 1107.411 $\pm$ 0.198 χ^2 /NDF:11490.9/19

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

All: 1111.341 $\pm$ 0.116 χ^2 /NDF: 50314.9/77

- sign 1111.538 $\pm$ 0.165 χ^2 /NDF: 22822.7/38

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

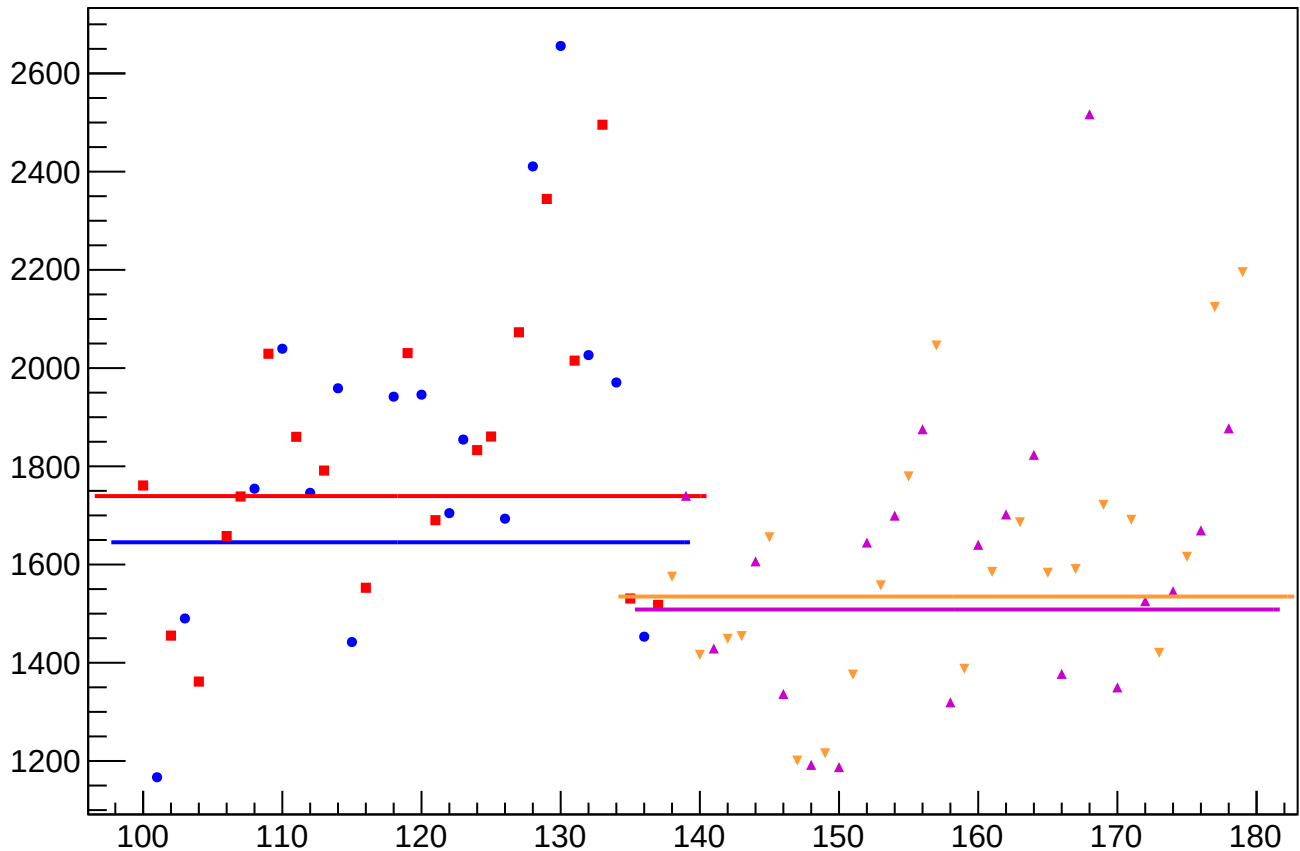
Left In: -52.152+/-389.031 χ^2/NDF : 19.9/19

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

All: 391.269+/-235.434 χ^2/NDF : 79.8/77

- sign 260.651+/-335.459 χ^2/NDF : 36.8/38

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

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

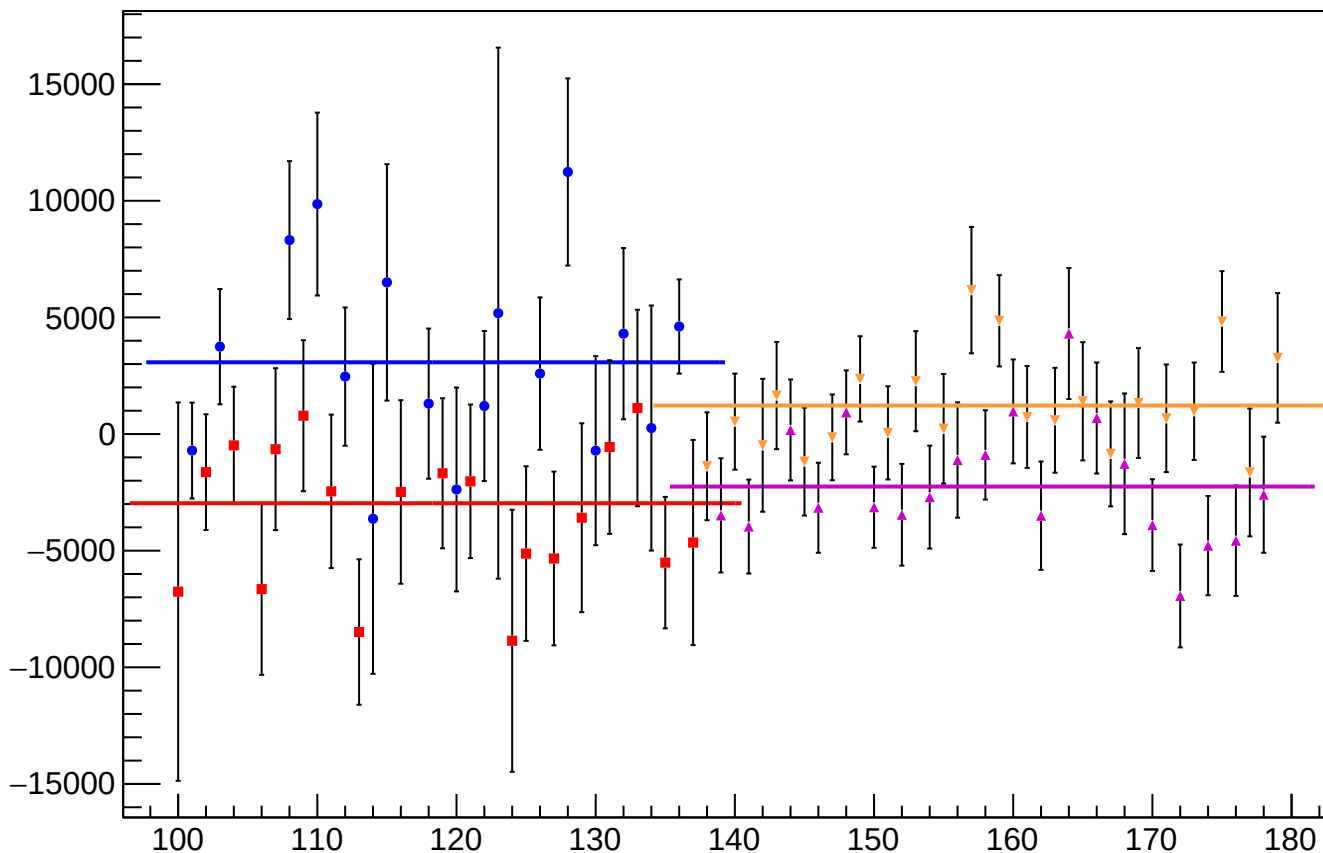
Right Out: 1739.382+/-0.468 χ^2/NDF : 371012.9/18

All: 1565.263+/-0.166 χ^2/NDF : 2806325.2/77

- sign 1567.642+/-0.237 χ^2/NDF : 1418309.4/38

Left In: 1508.410+/-0.275 χ^2/NDF : 866503.3/19

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

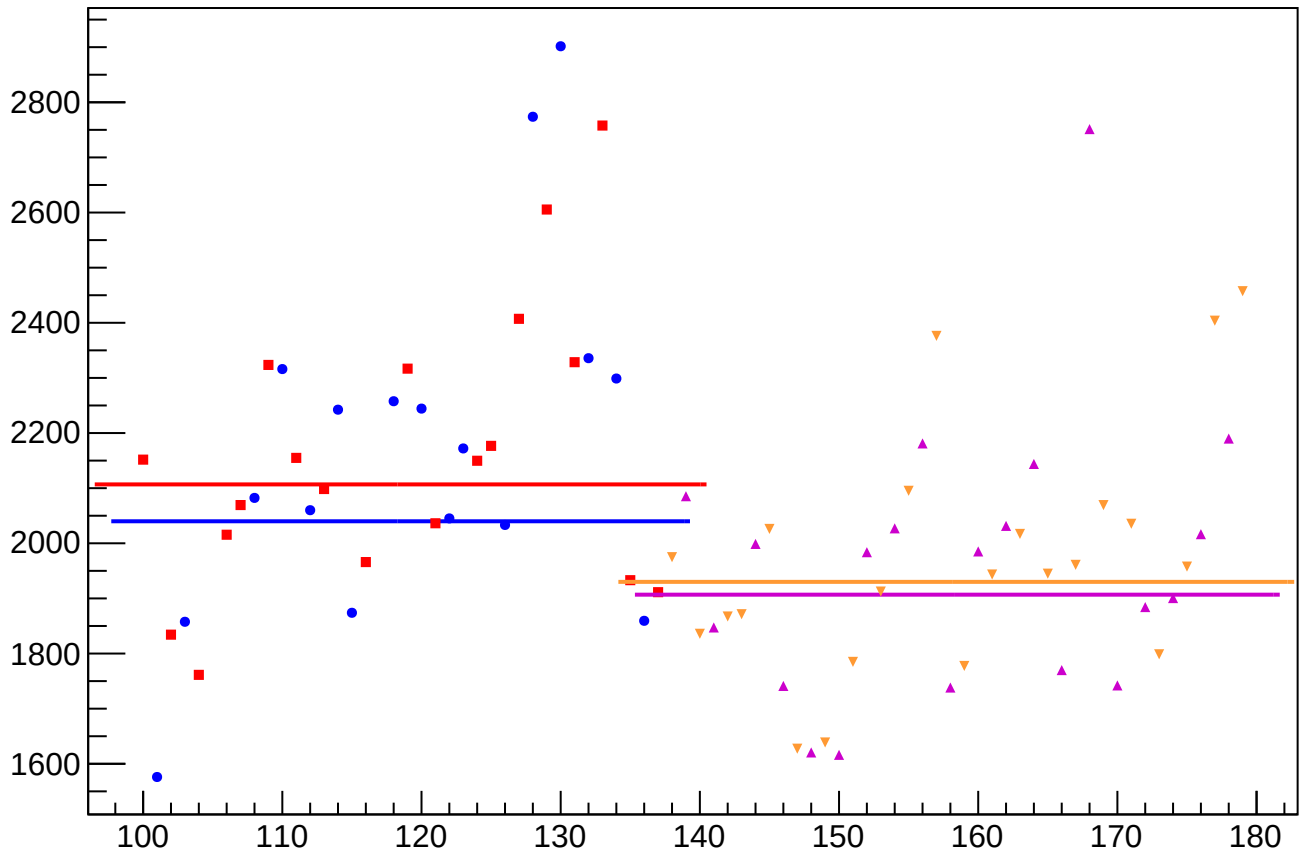
Left In: -2251.783 $\pm$ 487.218 χ^2 /NDF:24.0/19

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

All: -342.487 $\pm$ 291.798 χ^2 /NDF: 126.5/77

- sign -2446.983 $\pm$ 415.503 χ^2 /NDF: 36.5/38

asym_usr_rms vs Slug



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

Left Out: 1930.038+/-0.337 χ^2/NDF : 357352.0/21

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

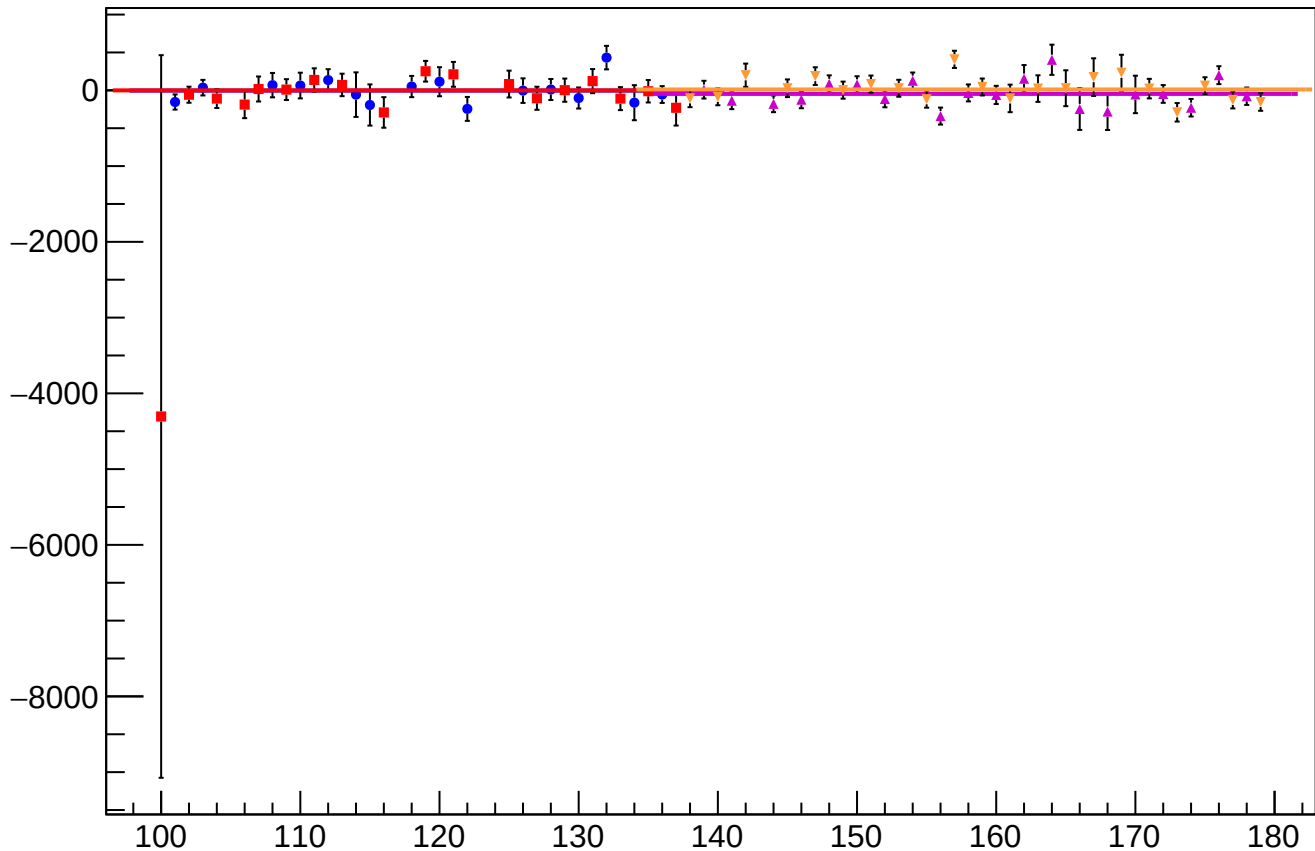
Left In: 1906.799+/-0.345 χ^2/NDF : 416128.8/19

+ sign 1958.727+/-0.290 χ^2/NDF : 717073.1/38

All: 1960.022+/-0.206 χ^2/NDF : 1420631.0/77

- sign 1961.352+/-0.294 χ^2/NDF : 703517.4/38

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 $\chi^2/\text{NDF}: 14.0/17$

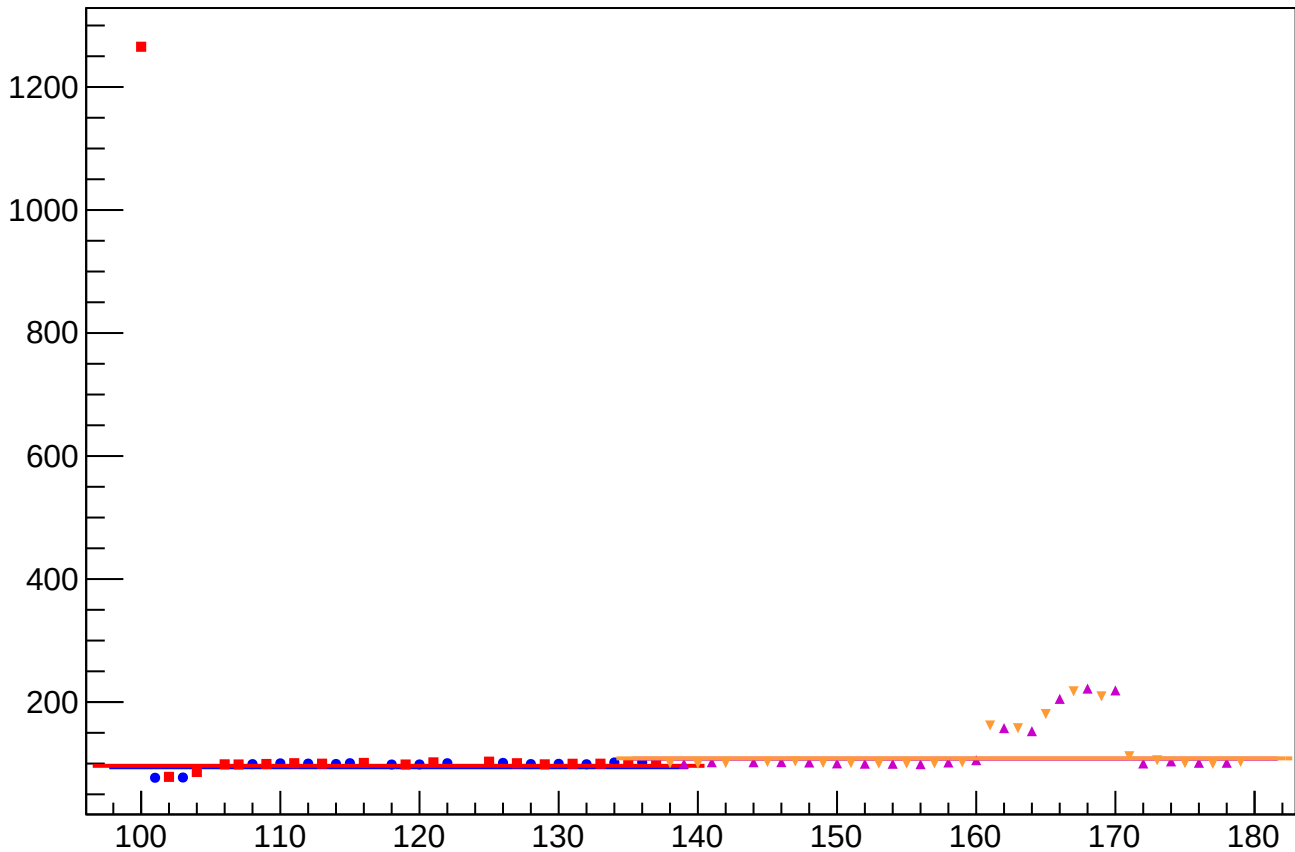
Left In: -47.237 ± 28.045 $\chi^2/\text{NDF}: 29.9/19$

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

All: -11.783 ± 15.713 $\chi^2/\text{NDF}: 93.7/74$

- sign -30.000 ± 22.283 $\chi^2/\text{NDF}: 44.9/37$

reg_asym_dsl_rms vs Slug



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

Left Out: 108.498+/-0.020 χ^2/NDF : 1388492.1/20

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

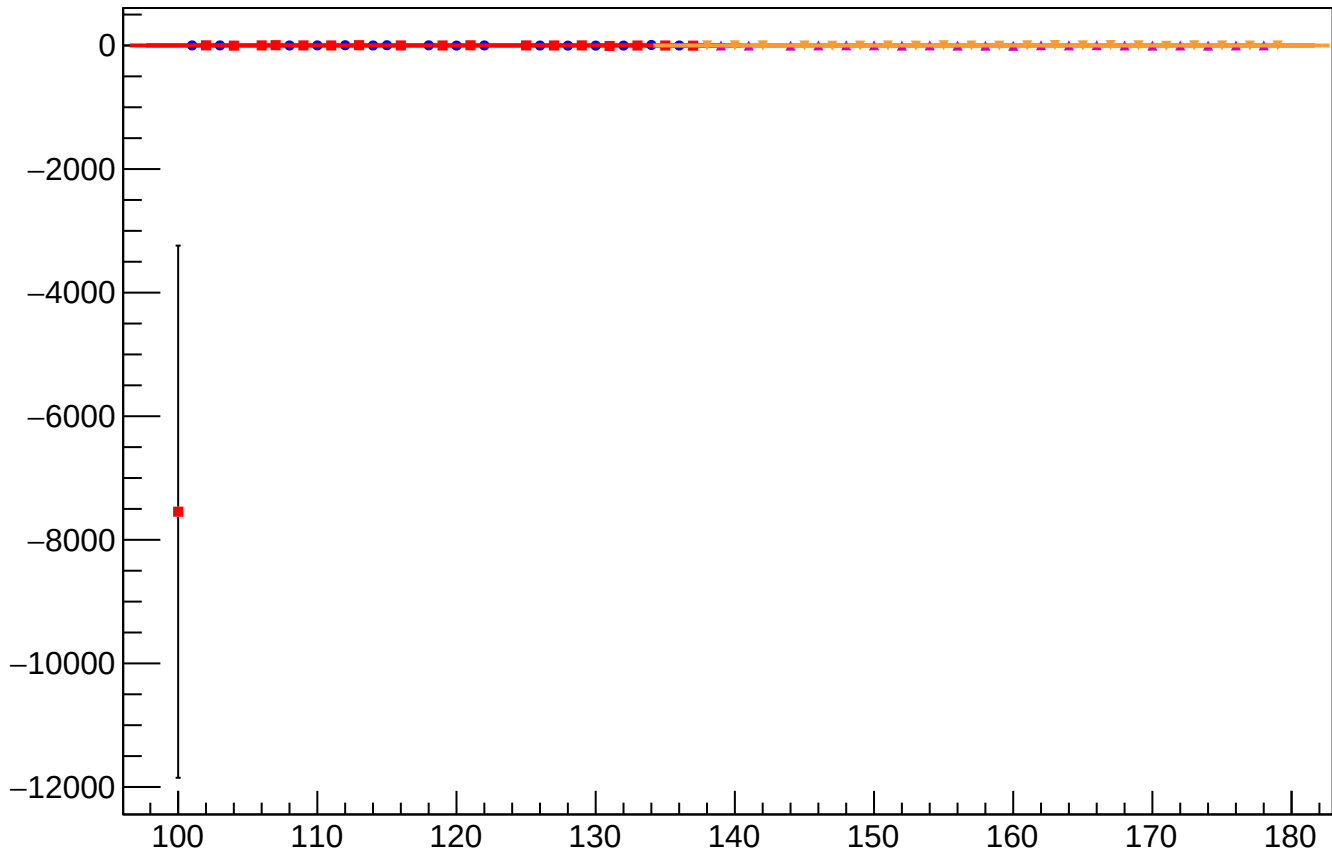
Left In: 107.935+/-0.020 χ^2/NDF : 1448641.2/19

+ sign 103.241+/-0.016 χ^2/NDF : 1737161.9/36

All: 103.455+/-0.011 χ^2/NDF : 3520745.0/74

- sign 103.672+/-0.016 χ^2/NDF : 1783207.3/37

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

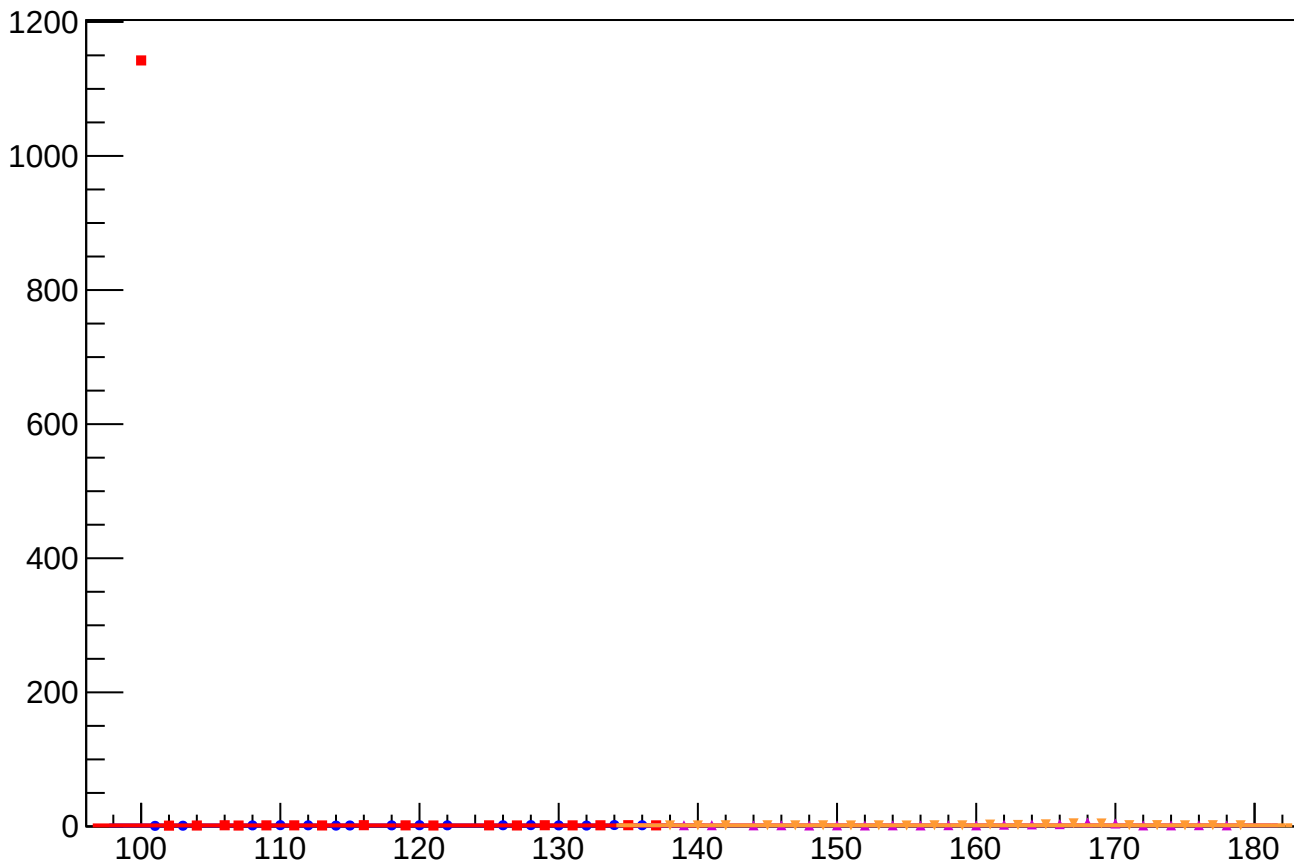
Left In: 0.097 $\pm$ 0.515 χ^2 /NDF: 22.7/19

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

All: 0.046 $\pm$ 0.278 χ^2 /NDF: 83.9/74

- sign 0.181 $\pm$ 0.402 χ^2 /NDF: 45.6/37

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

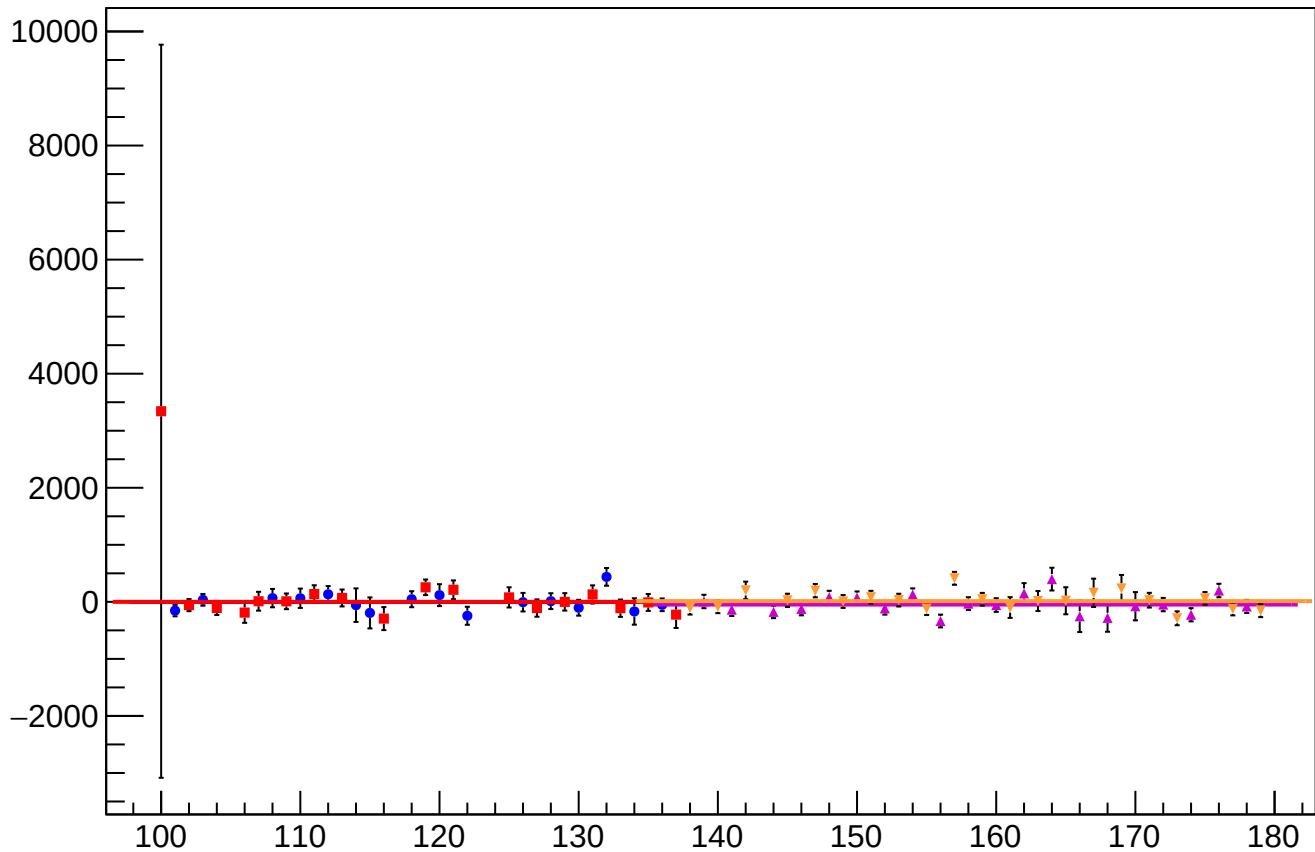
Left In: 1.804 $\pm$ 0.000 χ^2 /NDF:1806244.5/19

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

All: 1.662 $\pm$ 0.000 χ^2 /NDF: 4920541.0/74

- sign 1.707 $\pm$ 0.000 χ^2 /NDF: 2304276.0/37

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

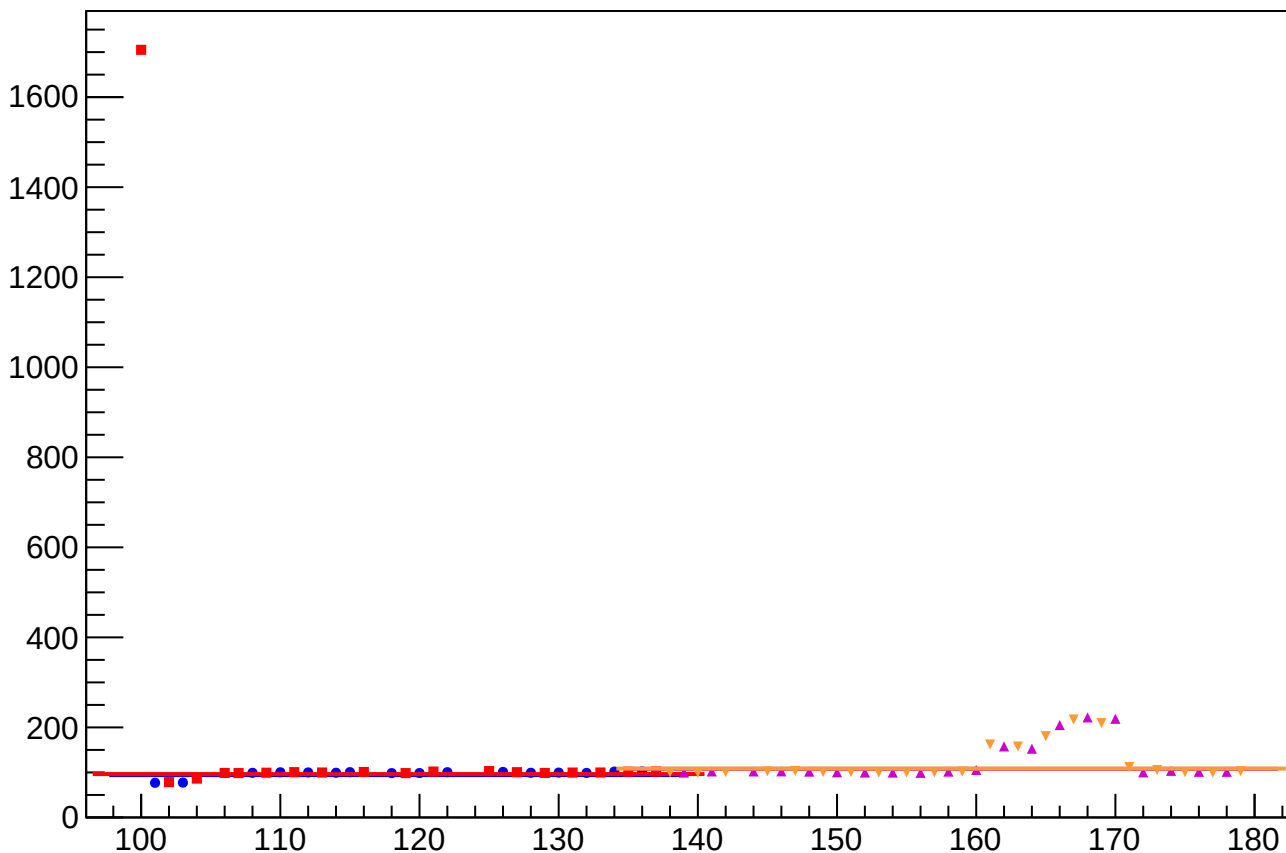
Left In: -47.529 ± 28.054 χ^2/NDF : 29.3/19

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

All: -11.468 ± 15.717 χ^2/NDF : 93.1/74

- sign -30.068 ± 22.290 χ^2/NDF : 43.9/37

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

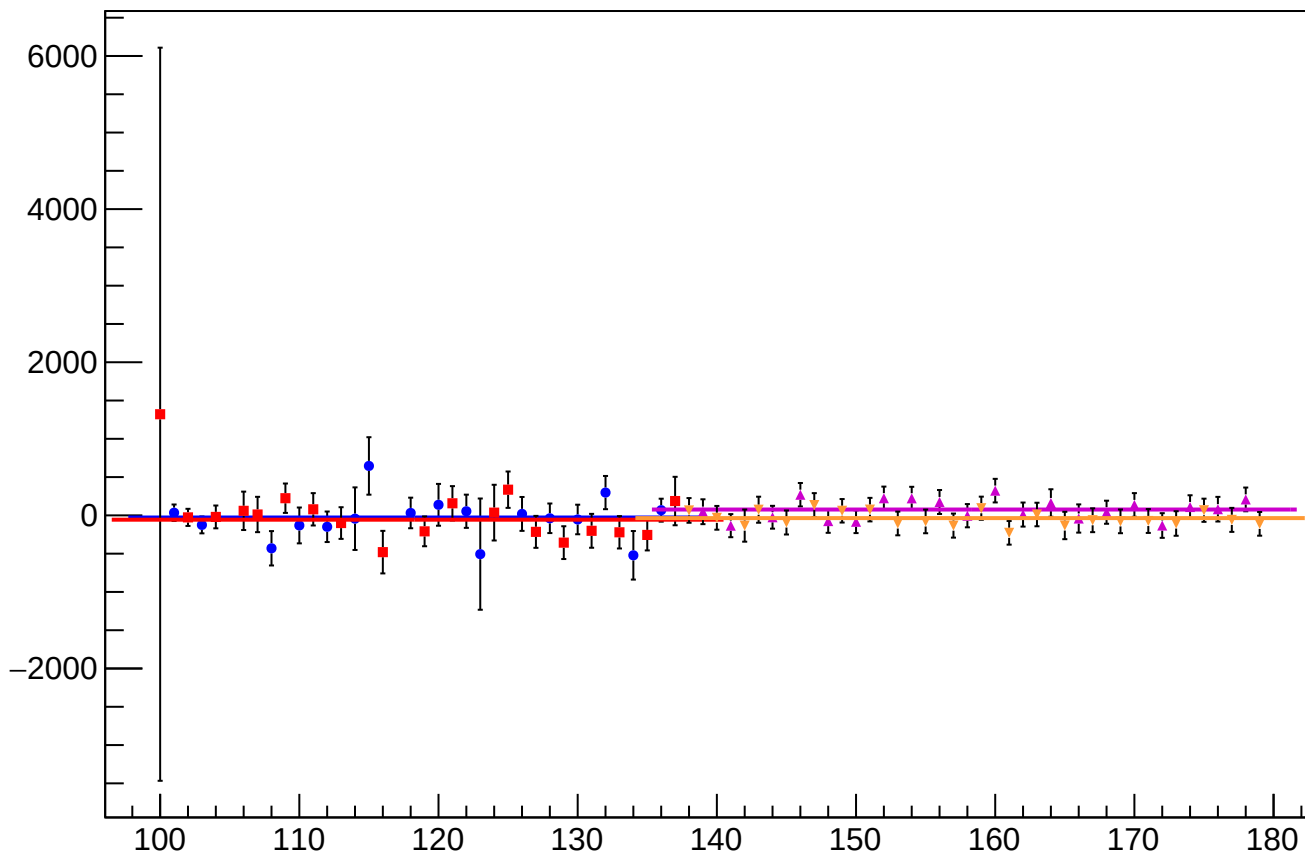
Left In: 107.965+/-0.020 χ^2 /NDF: 1449887.1/19

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

All: 103.480+/-0.011 χ^2 /NDF: 3528893.3/74

- sign 103.694+/-0.016 χ^2 /NDF: 1789980.5/37

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

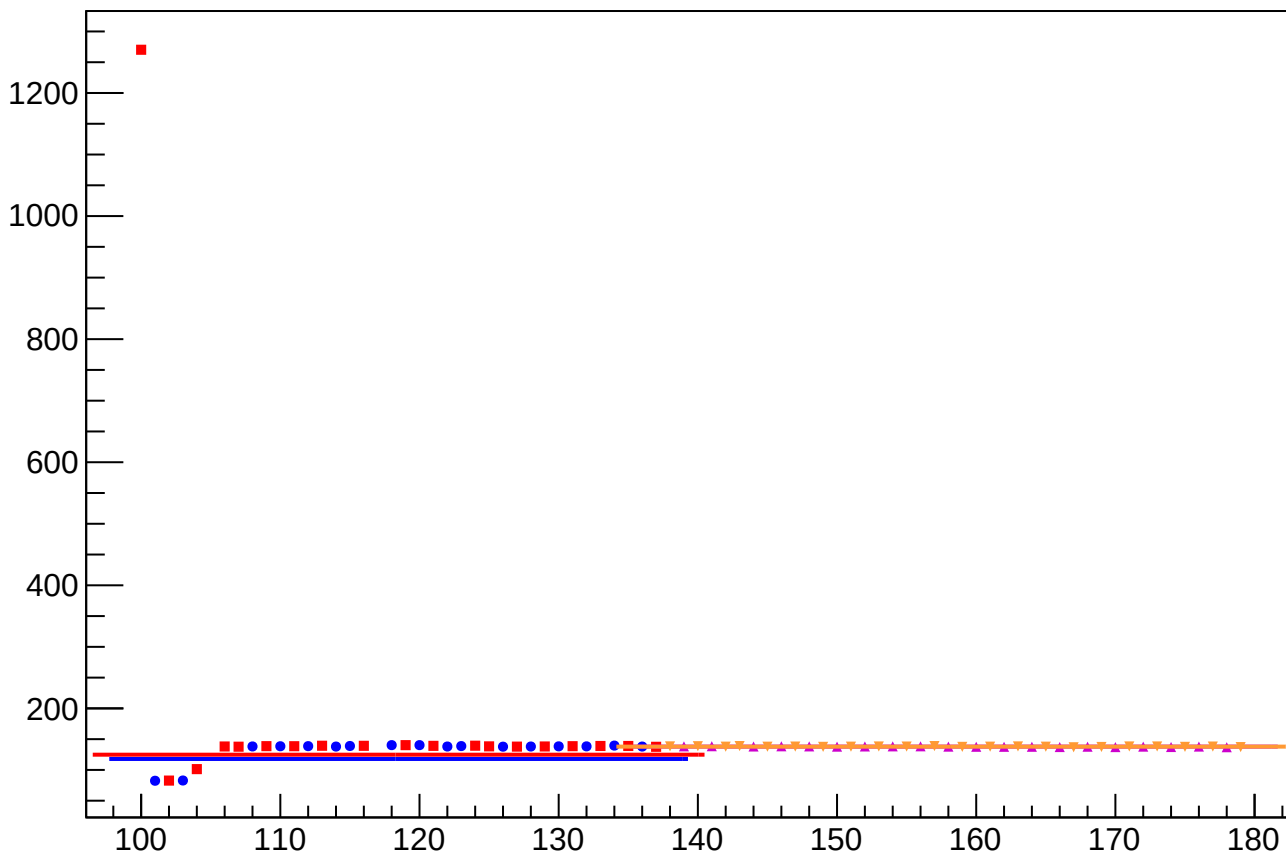
Left In: 76.338 ± 34.934 χ^2/NDF : 14.8/19

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

All: -2.378 ± 19.640 χ^2/NDF : 59.2/77

- sign 30.008 ± 28.186 χ^2/NDF : 34.7/38

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

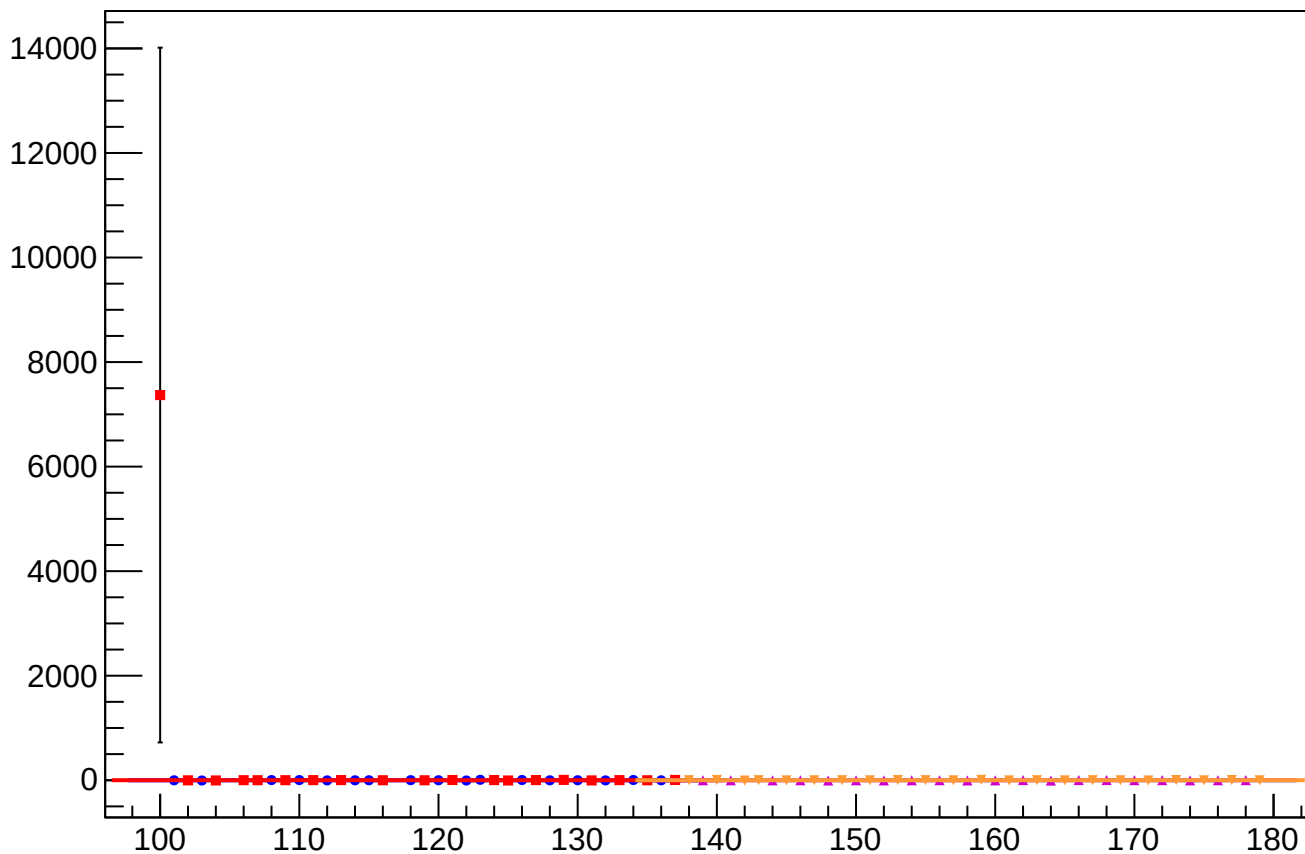
Left In: 137.879 $\pm$ 0.025 χ^2 /NDF: 344.2/19

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

All: 132.114 $\pm$ 0.014 χ^2 /NDF: 1583884.9/77

- sign 133.301 $\pm$ 0.020 χ^2 /NDF: 668512.8/38

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

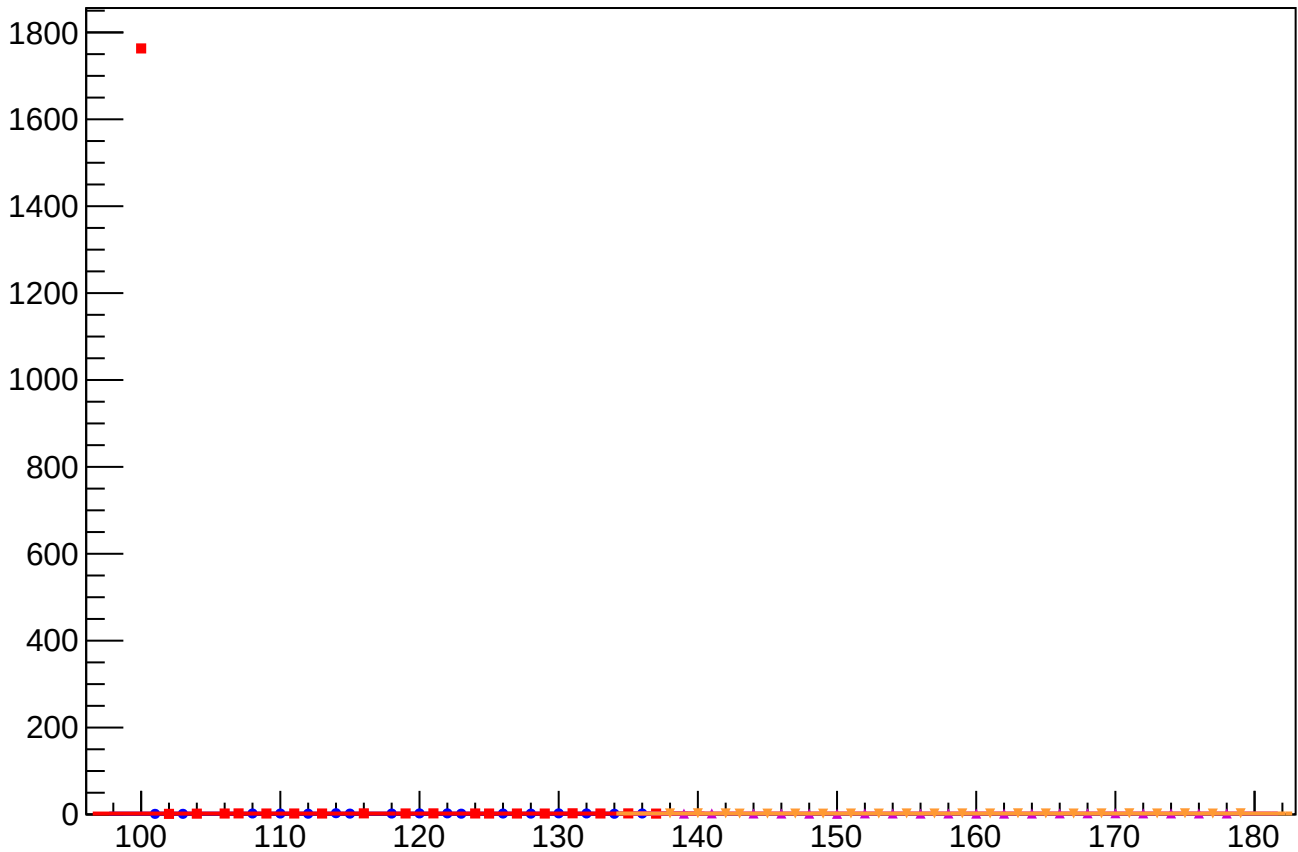
Left In: -0.422 ± 0.615 χ^2/NDF : 17.9/19

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

All: -0.006 ± 0.346 χ^2/NDF : 73.2/77

- sign -0.054 ± 0.498 χ^2/NDF : 32.6/38

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

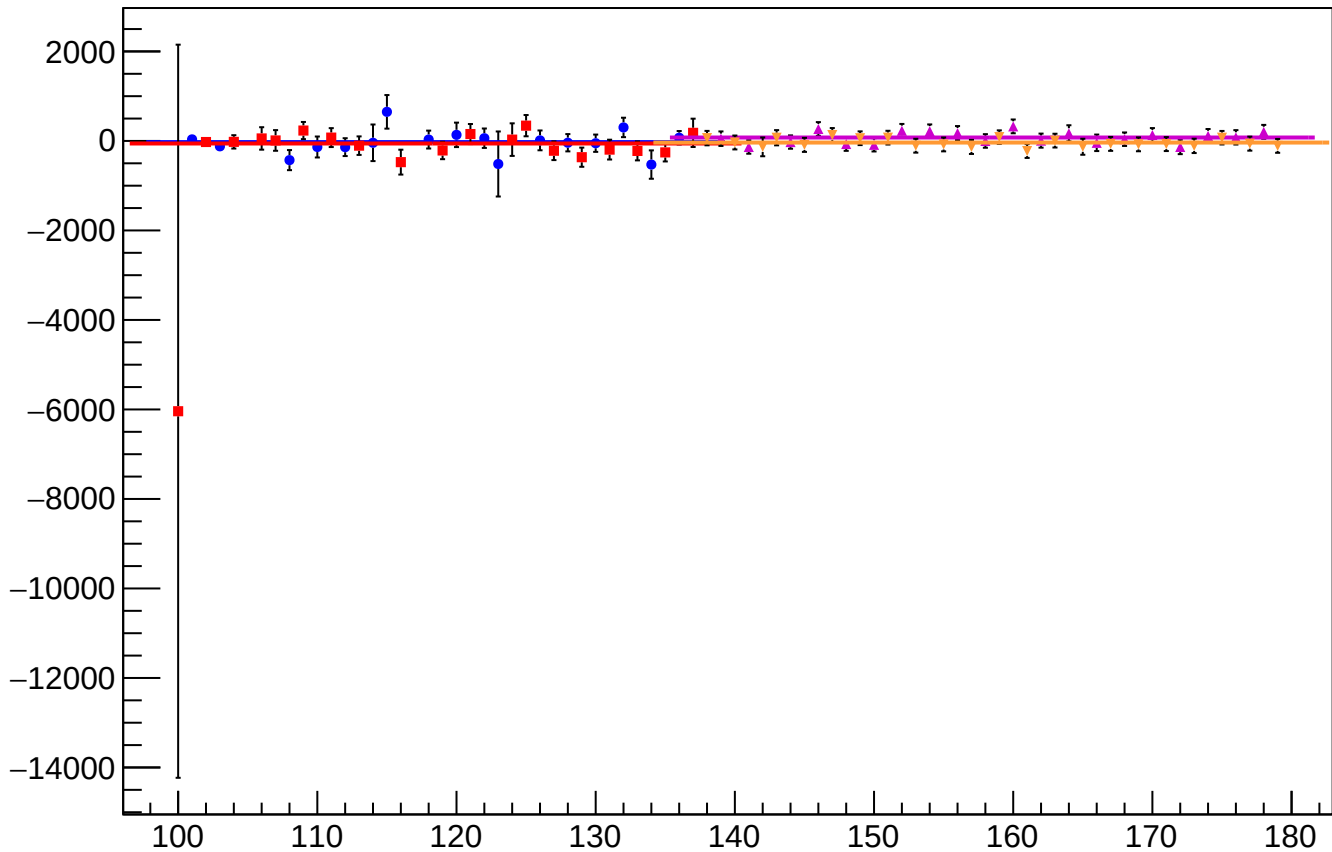
Left In: 2.200 $\pm$ 0.000 χ^2 /NDF:491367.1/19

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

All: 2.129 $\pm$ 0.000 χ^2 /NDF: 2151595.8/77

- sign 2.154 $\pm$ 0.000 χ^2 /NDF: 1049868.7/38

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

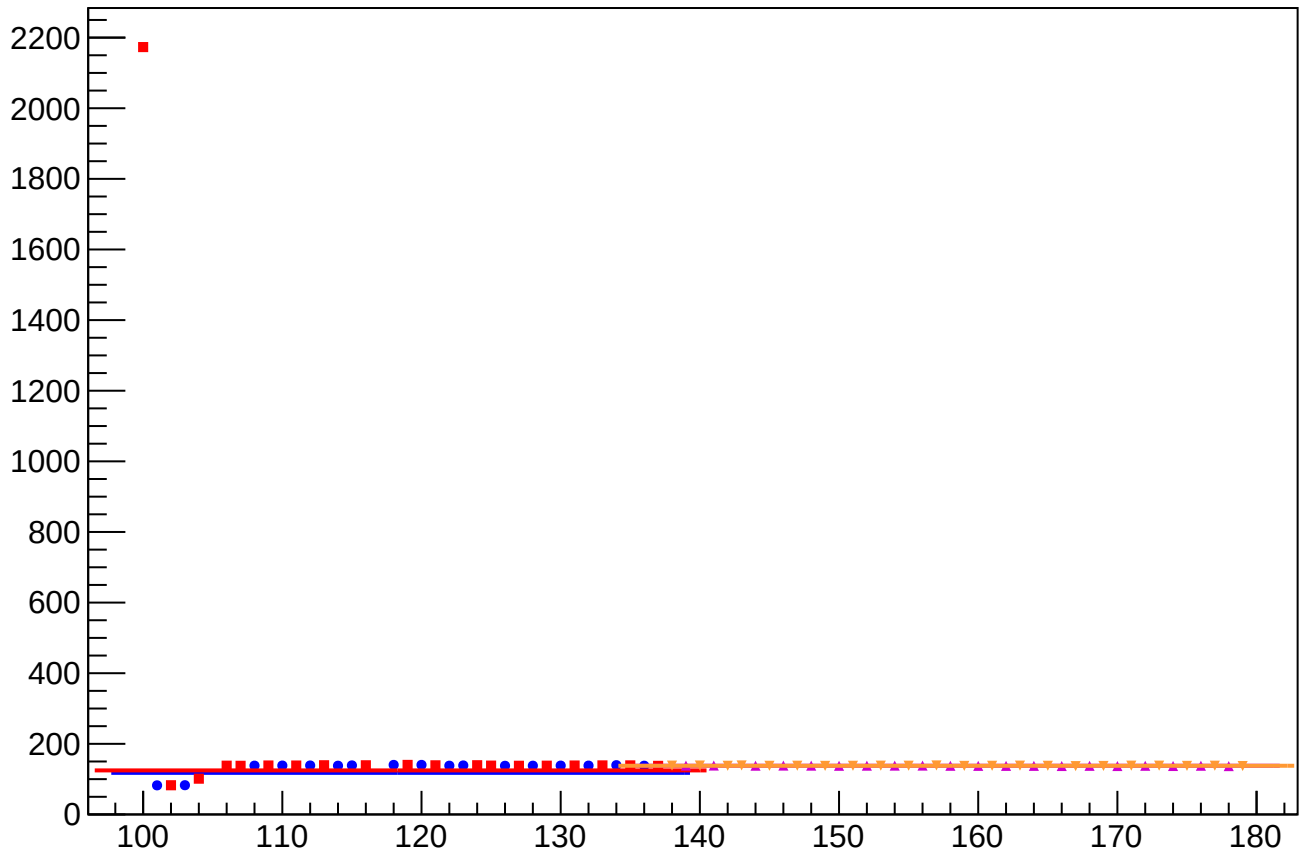
Left In: 76.334 ± 34.944 χ^2/NDF : 14.8/19

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

All: -2.443 ± 19.646 χ^2/NDF : 59.8/77

- sign 29.703 ± 28.194 χ^2/NDF : 35.4/38

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

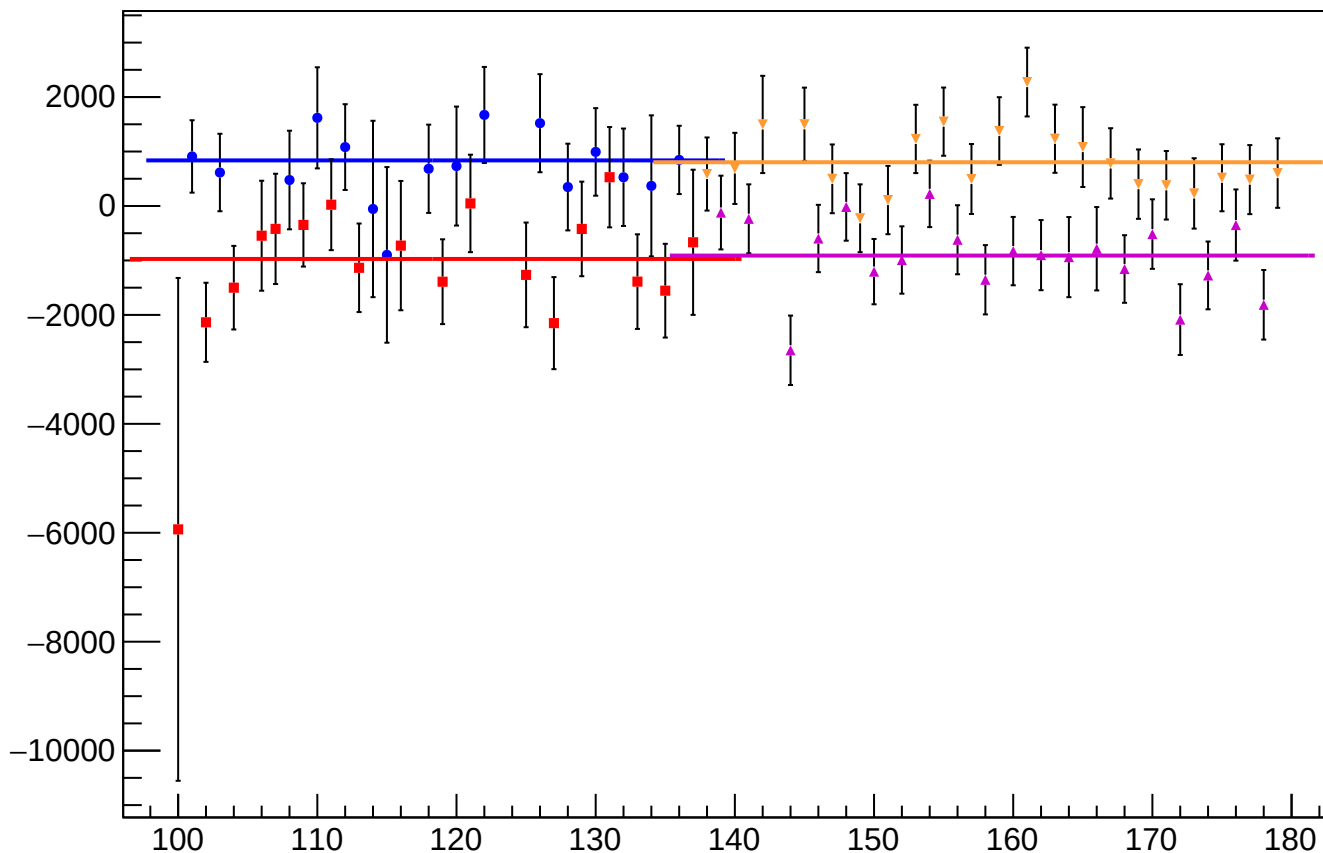
Left In: 137.918 $\pm$ 0.025 χ^2 /NDF: 340.9/19

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

All: 132.143 $\pm$ 0.014 χ^2 /NDF: 1595116.9/77

- sign 133.323 $\pm$ 0.020 χ^2 /NDF: 679779.8/38

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

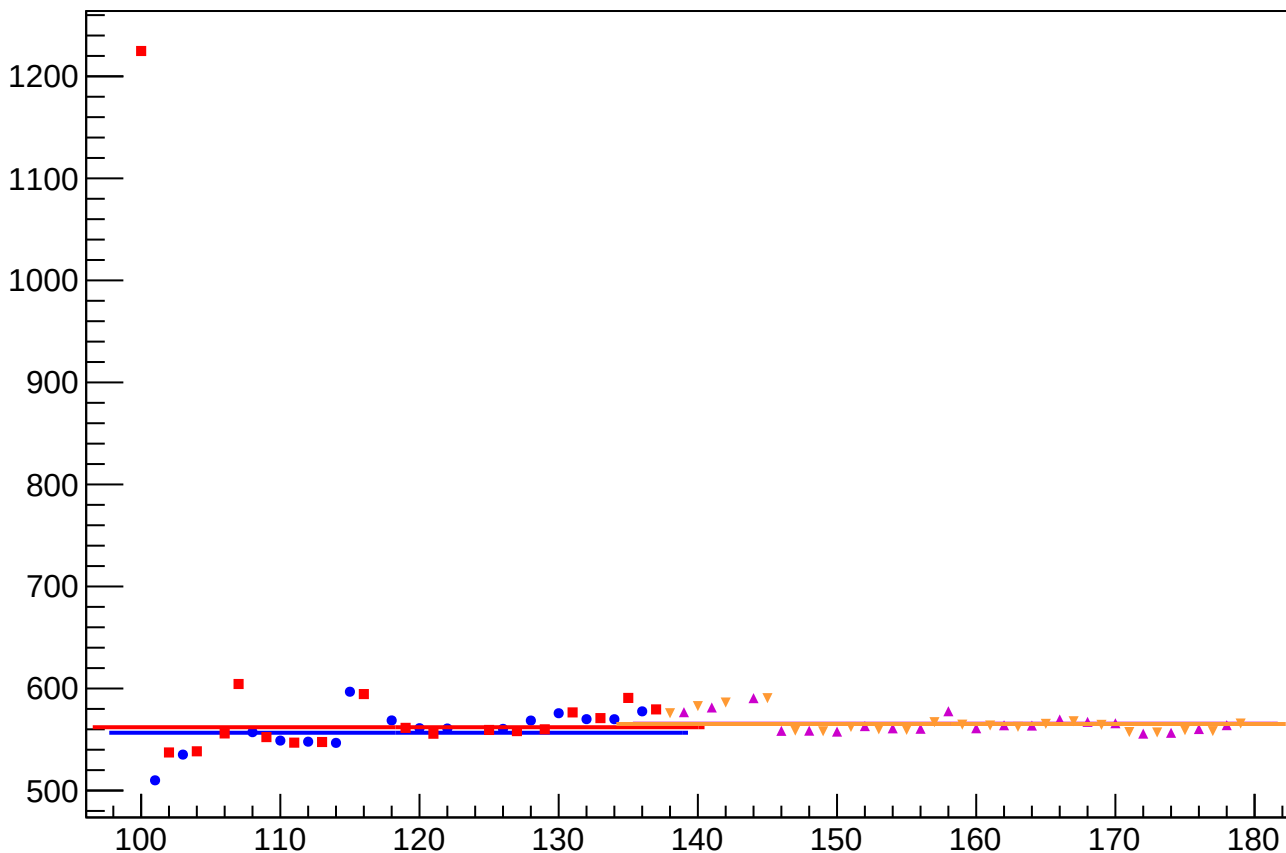
Left In: -910.517 ± 143.296 χ^2/NDF : 23.6/19

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

All: -54.134 ± 83.845 χ^2/NDF : 168.0/74

- sign -929.838 ± 118.851 χ^2/NDF : 37.9/37

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

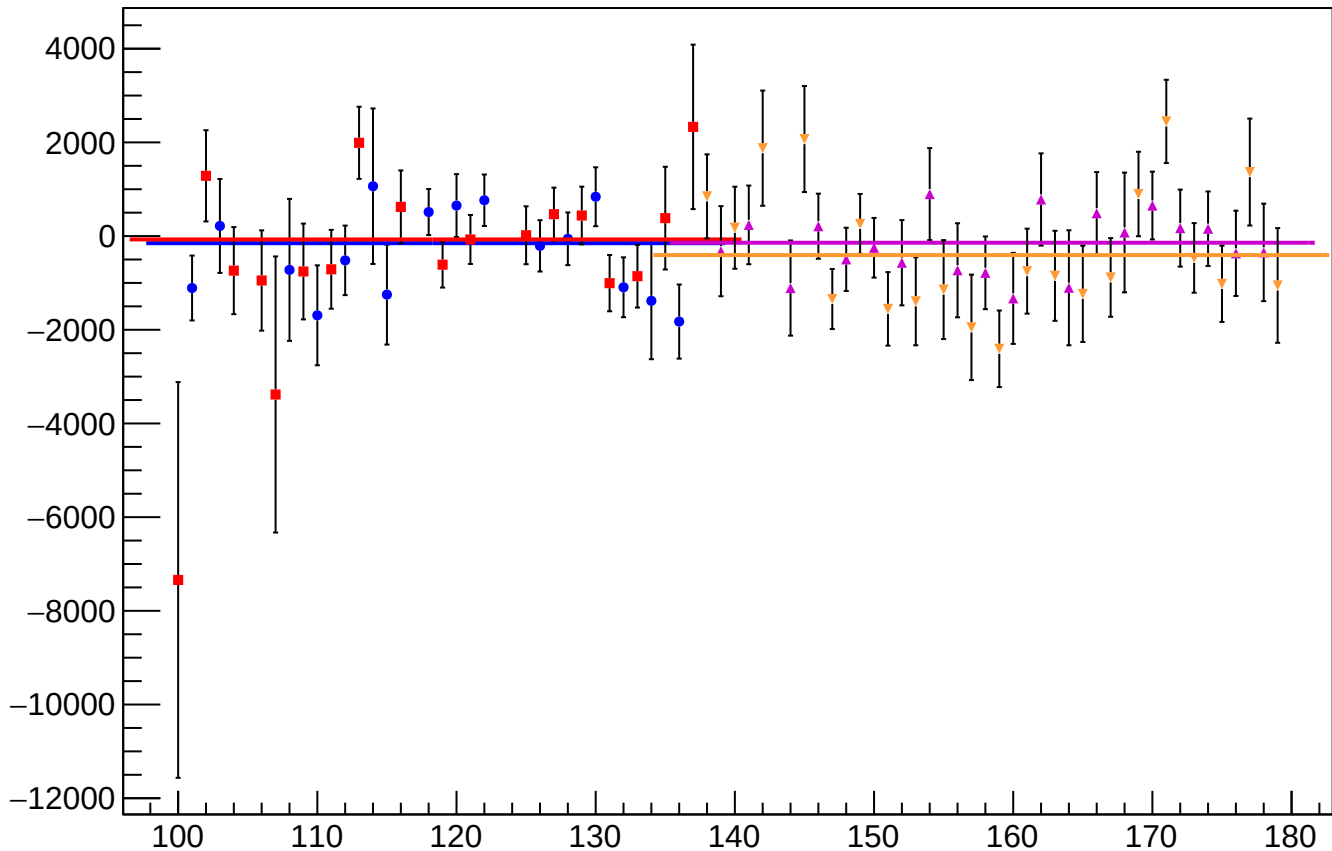
Left In: 565.530 $\pm$ 0.101 χ^2 /NDF: 7931.4/19

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

All: 563.543 $\pm$ 0.059 χ^2 /NDF: 92597.3/74

- sign 564.443 $\pm$ 0.084 χ^2 /NDF: 63875.1/37

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

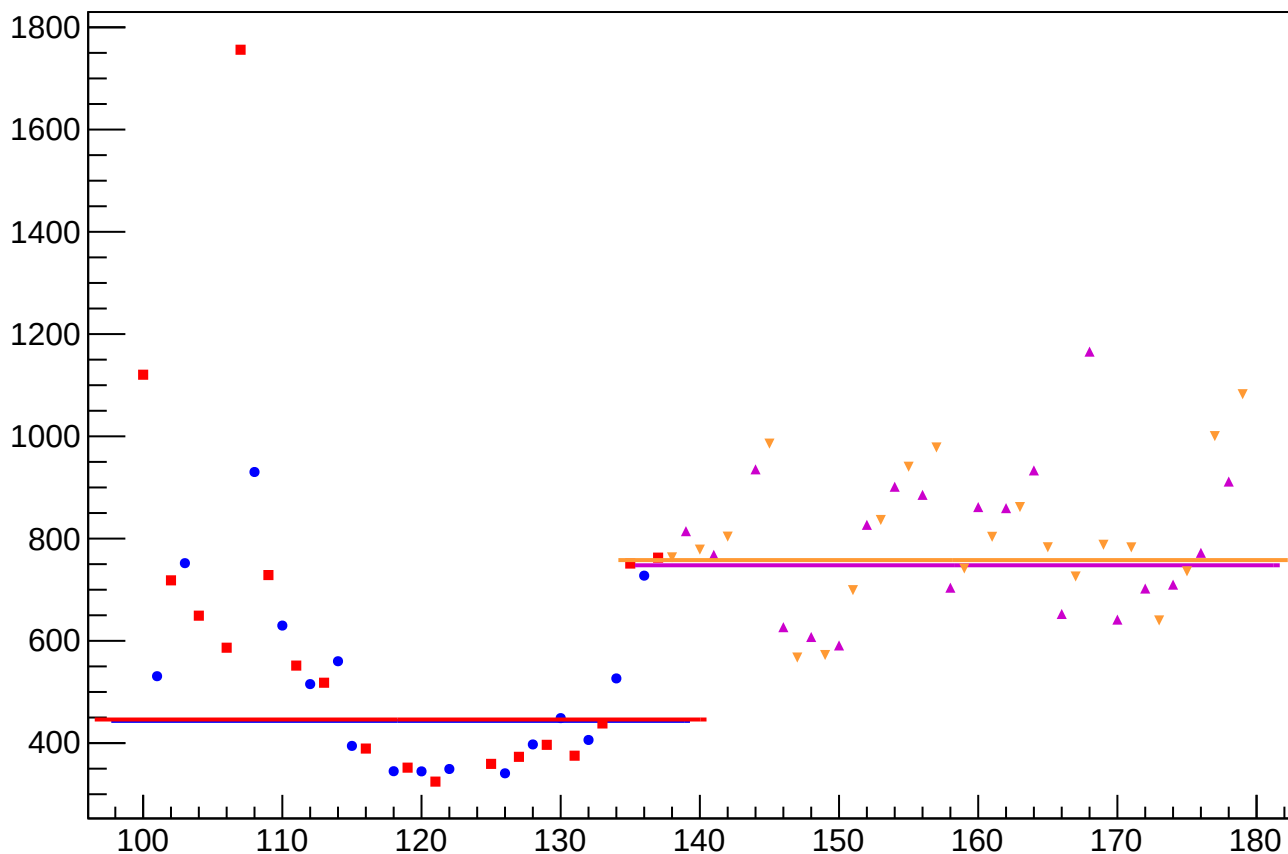
Left In: -142.144 ± 192.989 χ^2/NDF : 9.2/19

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

All: -186.446 ± 92.950 χ^2/NDF : 100.8/74

- sign -104.244 ± 131.107 χ^2/NDF : 34.3/37

asym_left_avg_correction_rms vs Slug



Right In: 443.451 $\pm$ 0.127 χ^2 /NDF: 1060940.9/15

Left Out: 757.943 $\pm$ 0.137 χ^2 /NDF: 911853.5/20

Right Out: 446.147 $\pm$ 0.126 χ^2 /NDF: 1459986.4/17

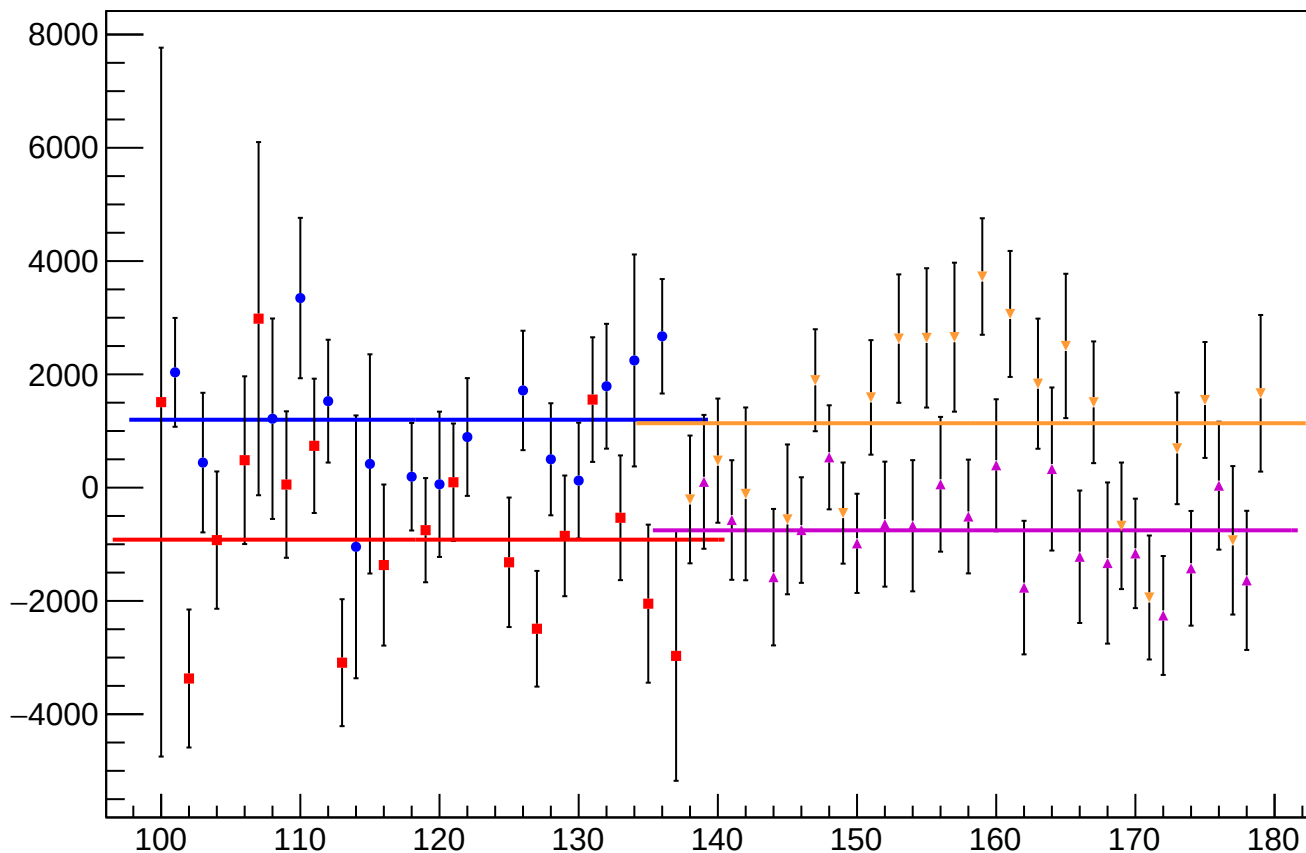
Left In: 747.790 $\pm$ 0.136 χ^2 /NDF: 896131.3/19

+ sign 589.476 $\pm$ 0.093 χ^2 /NDF: 4805144.5/36

All: 587.407 $\pm$ 0.066 χ^2 /NDF: 9793254.7/74

- sign 585.360 $\pm$ 0.093 χ^2 /NDF: 4987129.6/37

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

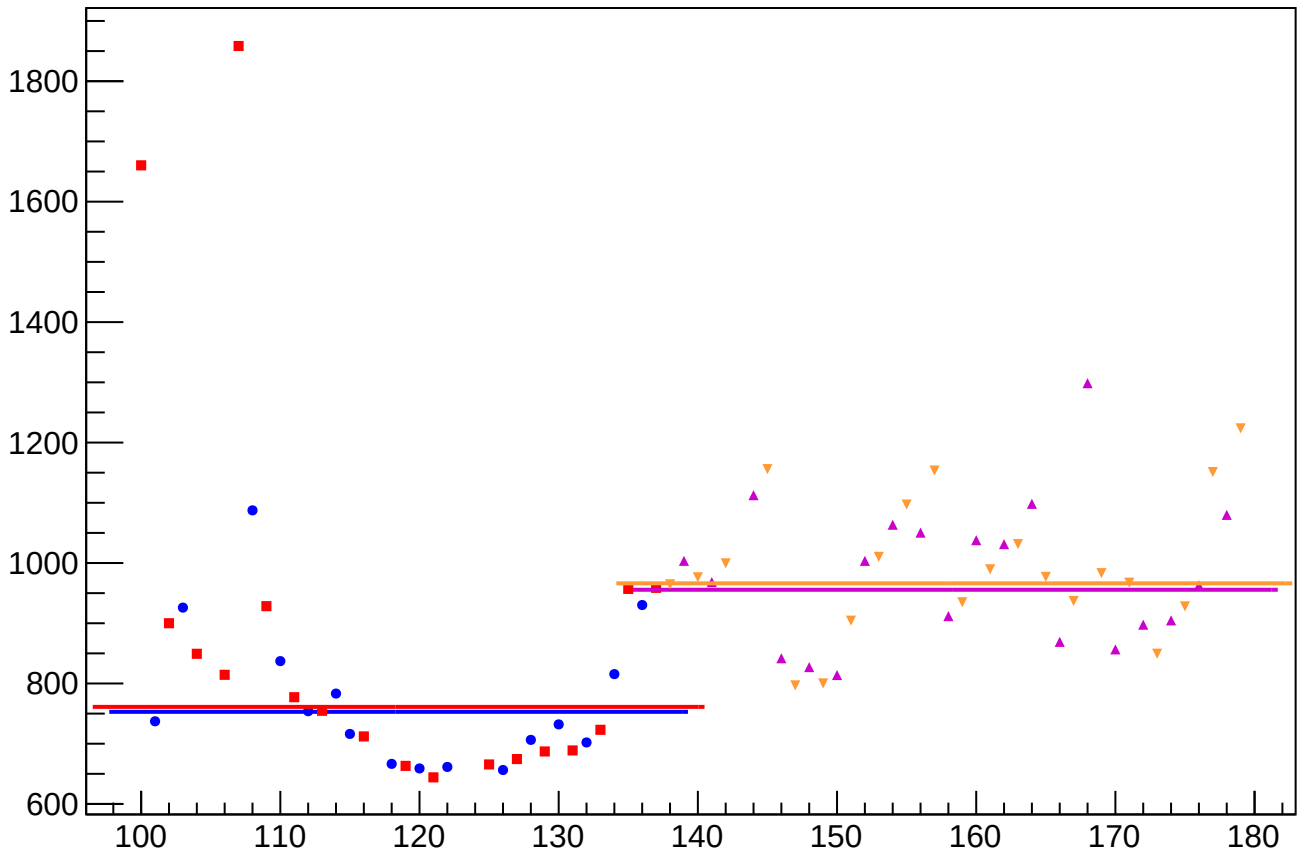
Left In: -753.627 $\pm$ 244.185 χ^2/NDF : 9.9/19

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

All: 168.873 $\pm$ 132.815 χ^2/NDF : 137.5/74

- sign -821.088 $\pm$ 187.659 χ^2/NDF : 33.3/37

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

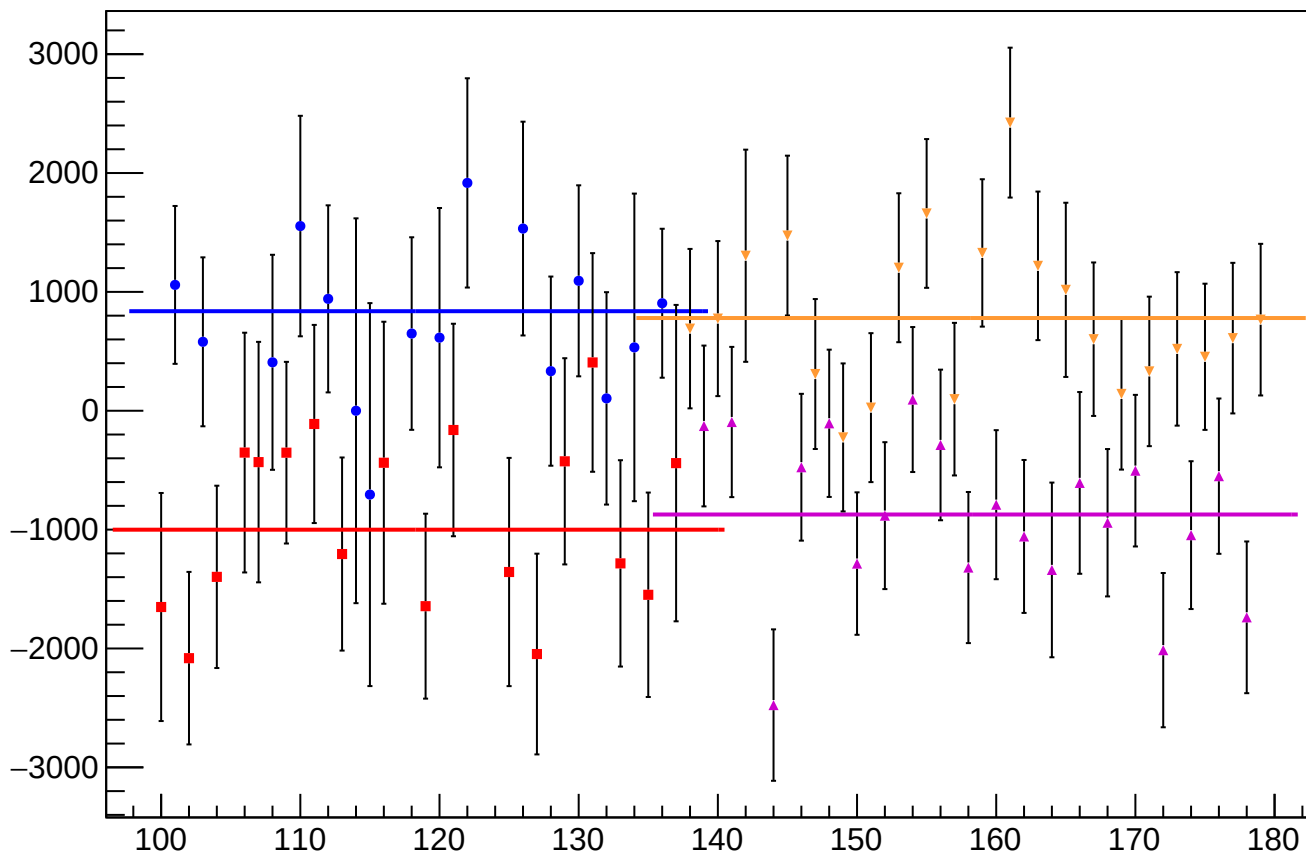
Left In: 955.620 ± 0.173 χ^2/NDF : 414181.8/19

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

All: 877.888 ± 0.094 χ^2/NDF : 2731492.2/74

- sign 876.011 ± 0.133 χ^2/NDF : 1450578.4/37

reg_asym_left_dd_mean vs Slug



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

Left Out: 780.155 ± 141.225 χ^2/NDF : 19.9/20

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

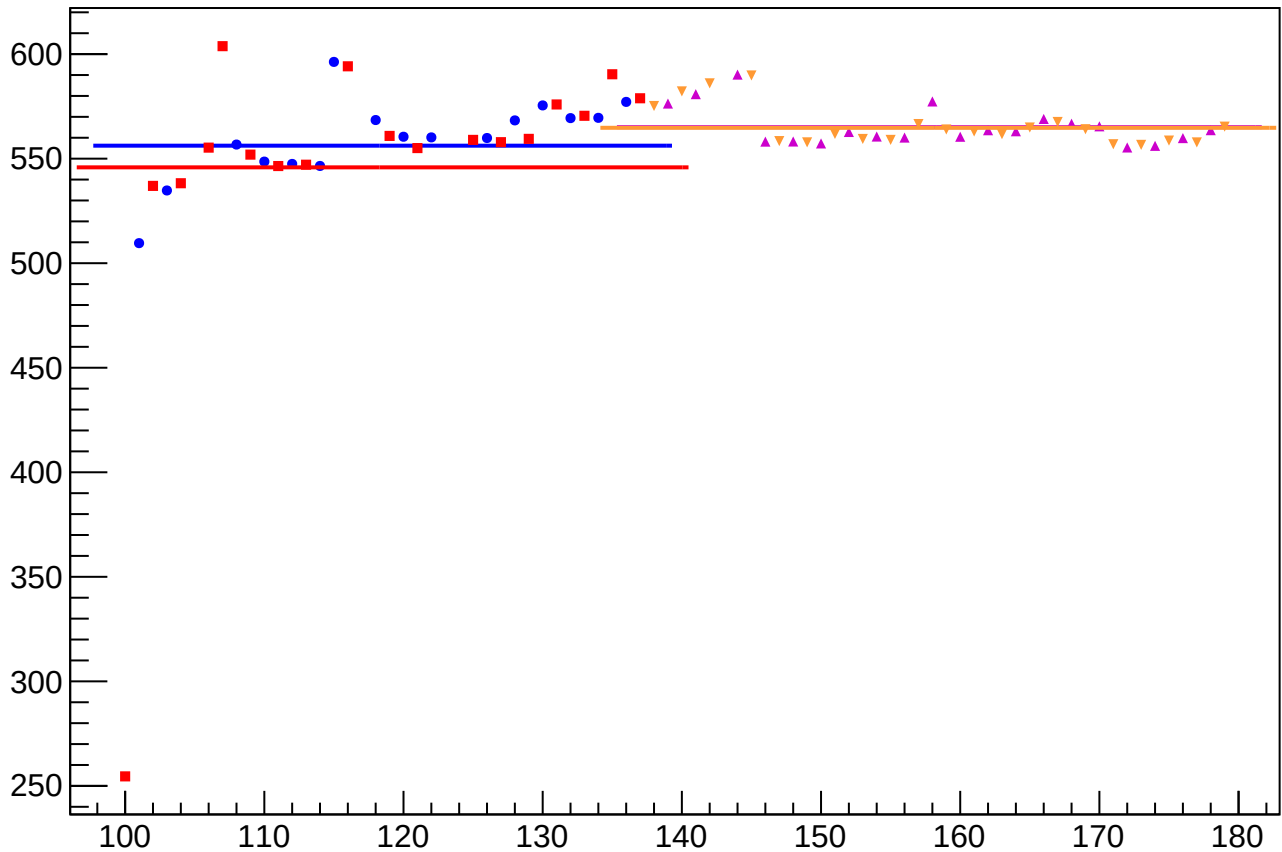
Left In: -872.823 ± 143.178 χ^2/NDF : 21.6/19

+ sign 797.344 ± 118.205 χ^2/NDF : 25.6/36

All: -60.591 ± 83.473 χ^2/NDF : 165.1/74

- sign -913.976 ± 117.891 χ^2/NDF : 34.4/37

reg_asym_left_dd_rms vs Slug



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

Left Out: 564.762 ± 0.100 χ^2/NDF : 7827.4/20

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

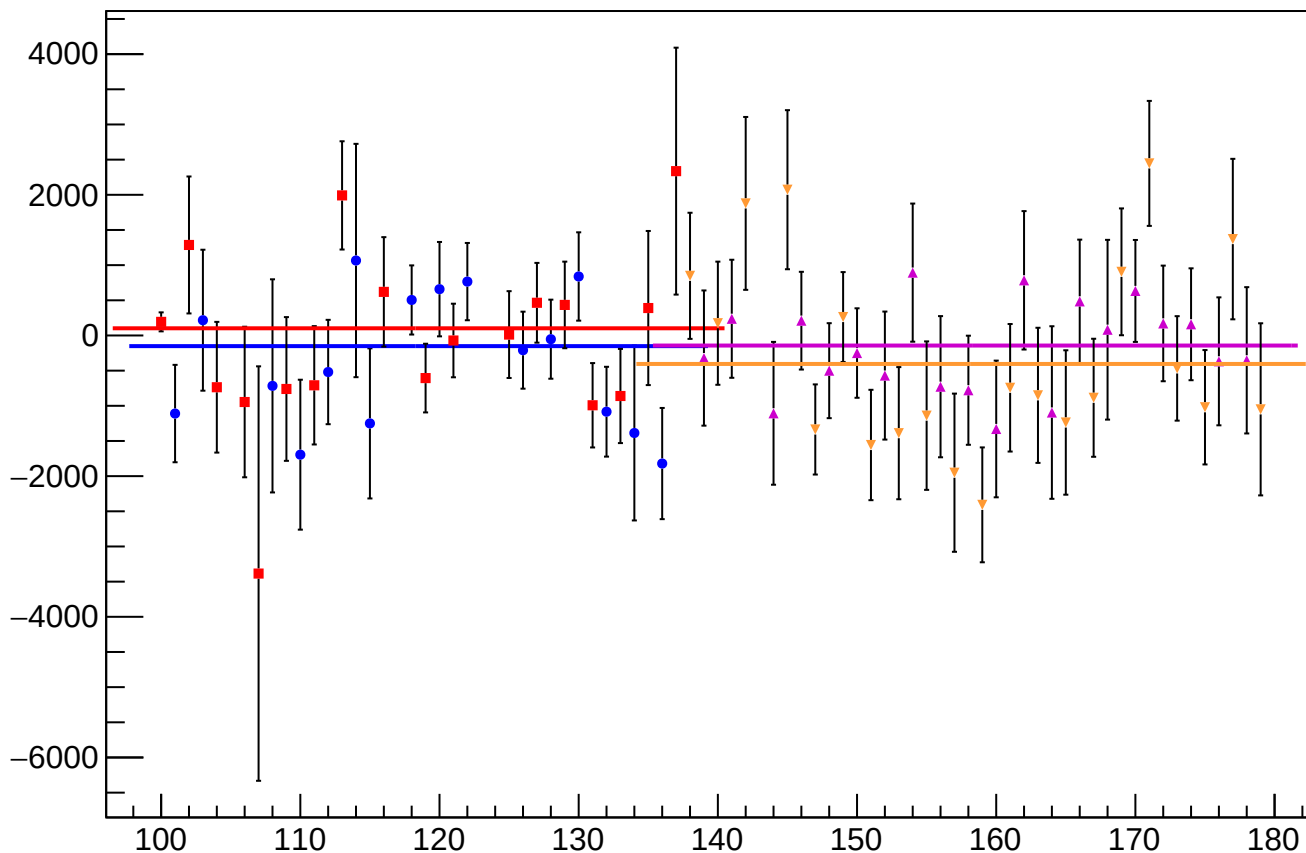
Left In: 565.062 ± 0.101 χ^2/NDF : 7961.3/19

+ sign 562.201 ± 0.084 χ^2/NDF : 28440.7/36

All: 560.533 ± 0.059 χ^2/NDF : 256439.8/74

- sign 558.873 ± 0.083 χ^2/NDF : 227204.5/37

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

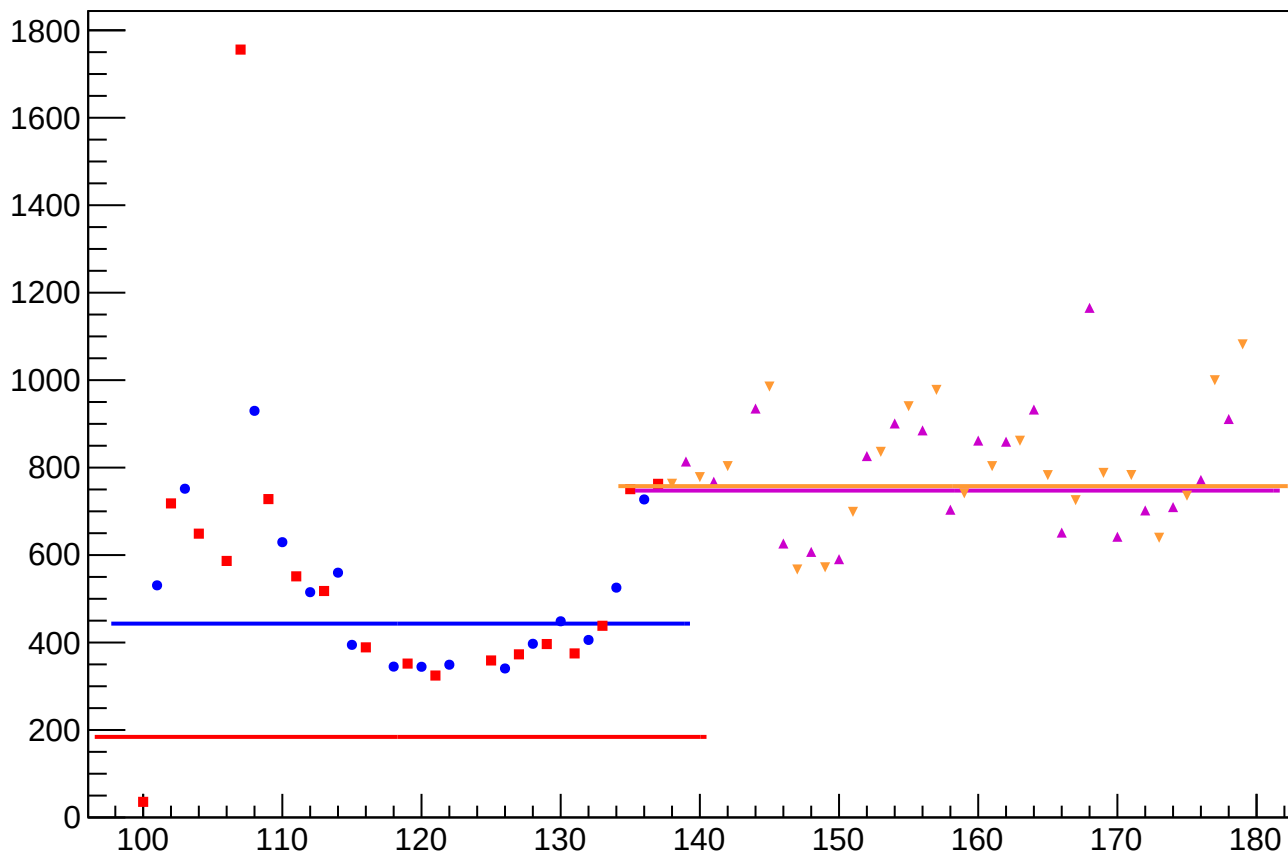
Left In: -143.207+/-192.903 χ^2/NDF : 9.1/19

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

All: -61.850+/-76.540 χ^2/NDF : 103.0/74

- sign 43.784+/-94.041 χ^2/NDF : 33.6/37

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

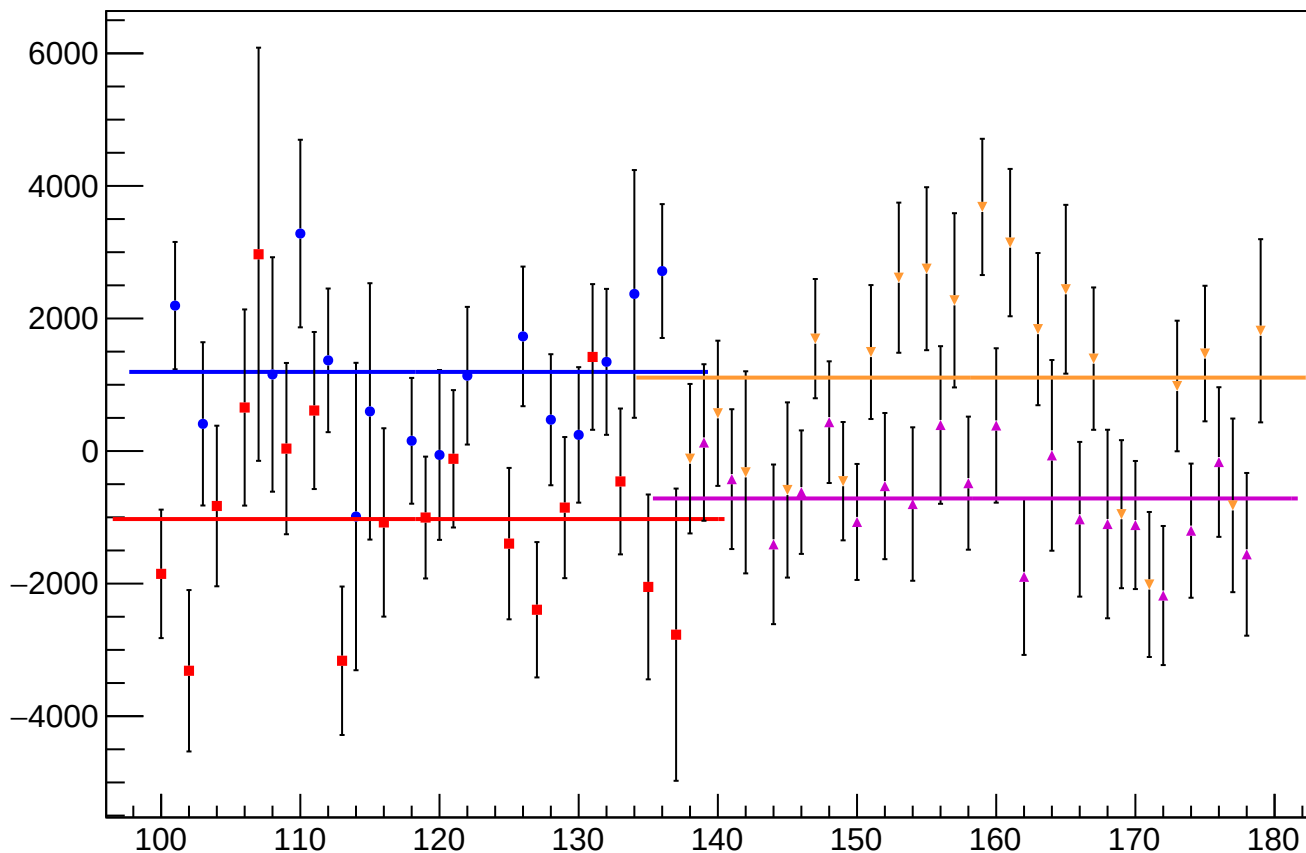
Left In: 747.452+/-0.136 χ^2/NDF : 896310.7/19

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

All: 409.600+/-0.054 χ^2/NDF : 32392569.8/74

- sign 318.075+/-0.066 χ^2/NDF : 21974263.0/37

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

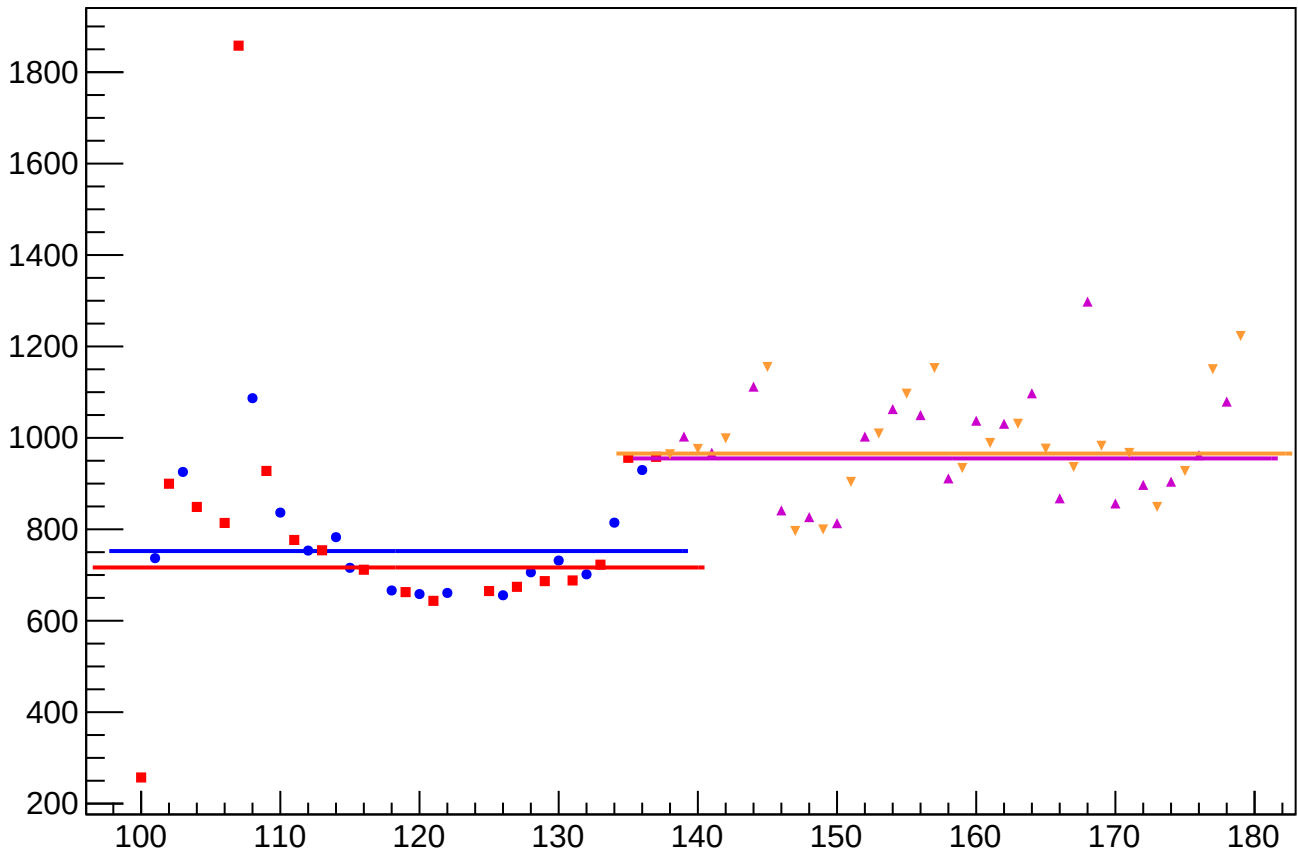
Left In: -715.457 $\pm$ 244.043 χ^2 /NDF: 8.9/19

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

All: 127.115 $\pm$ 131.534 χ^2 /NDF: 137.9/74

- sign -849.130 $\pm$ 184.205 χ^2 /NDF: 32.2/37

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

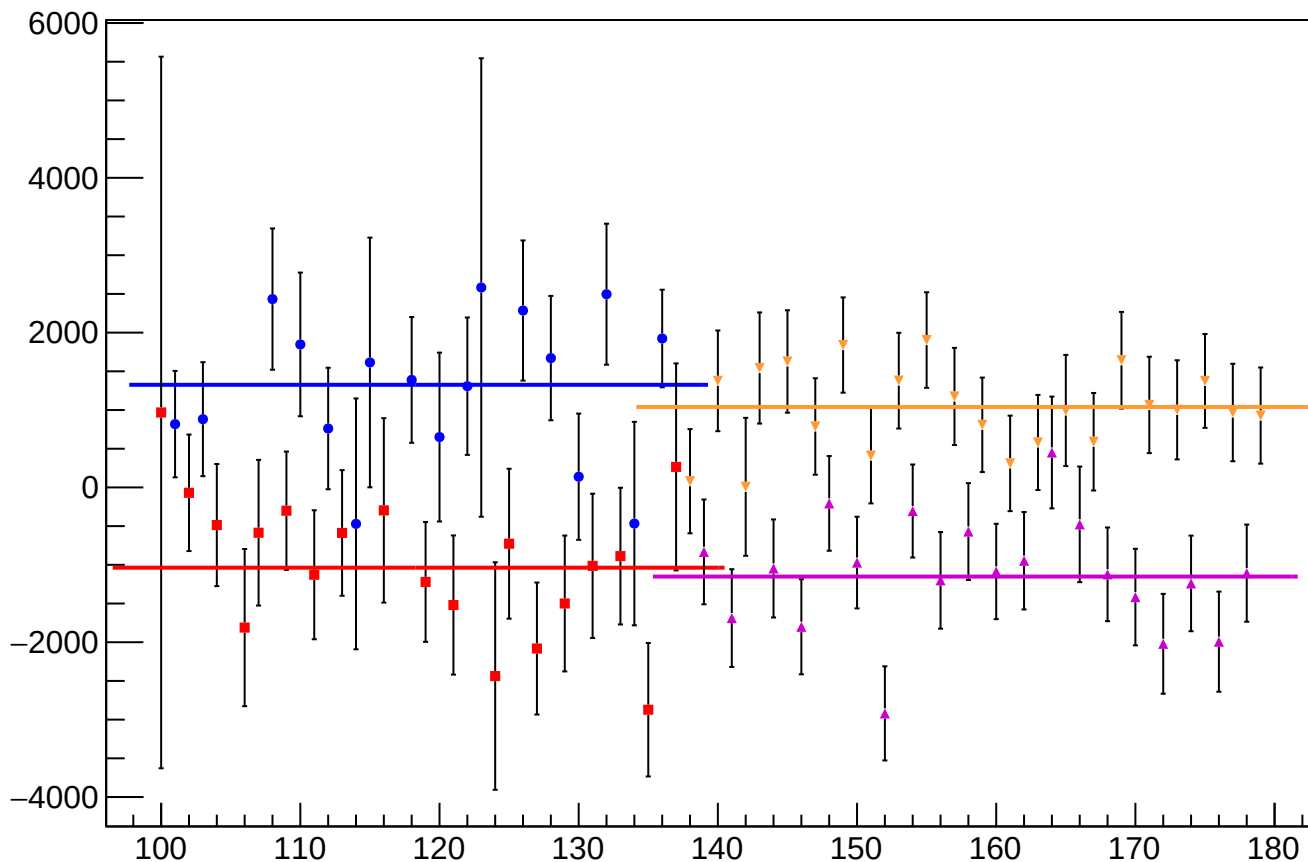
Left In: 955.055+/-0.173 χ^2/NDF : 414422.9/19

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

All: 865.563+/-0.093 χ^2/NDF : 3505391.6/74

- sign 852.422+/-0.130 χ^2/NDF : 2203480.3/37

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

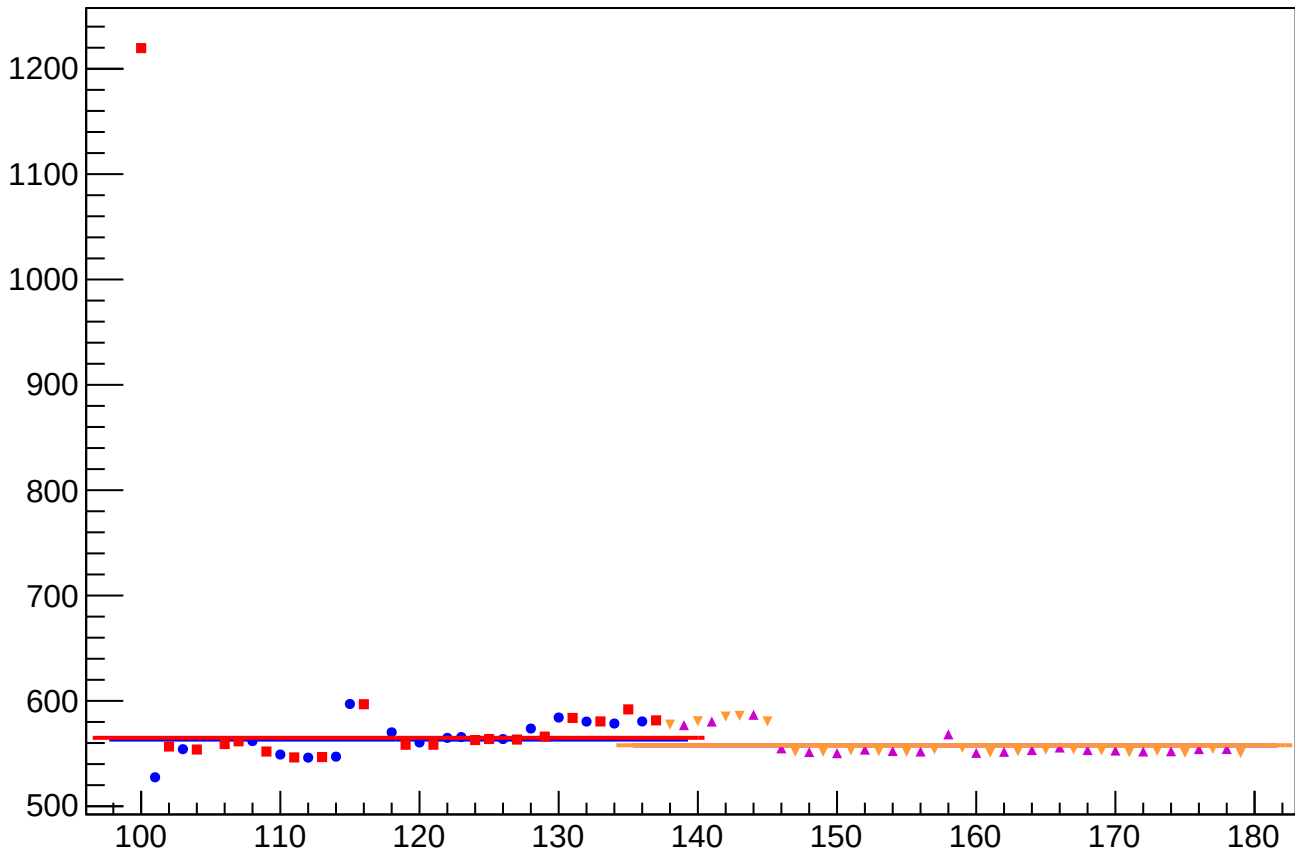
Left In: -1151.600 $\pm$ 141.315 χ^2 /NDF:25.4/19

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

All: 18.185 $\pm$ 82.494 χ^2 /NDF: 250.9/77

- sign -1116.257 $\pm$ 117.514 χ^2 /NDF: 39.1/38

reg_asym_right_avg_rms vs Slug



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

Left Out: 557.892+/-0.097 χ^2/NDF : 14100.1/21

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

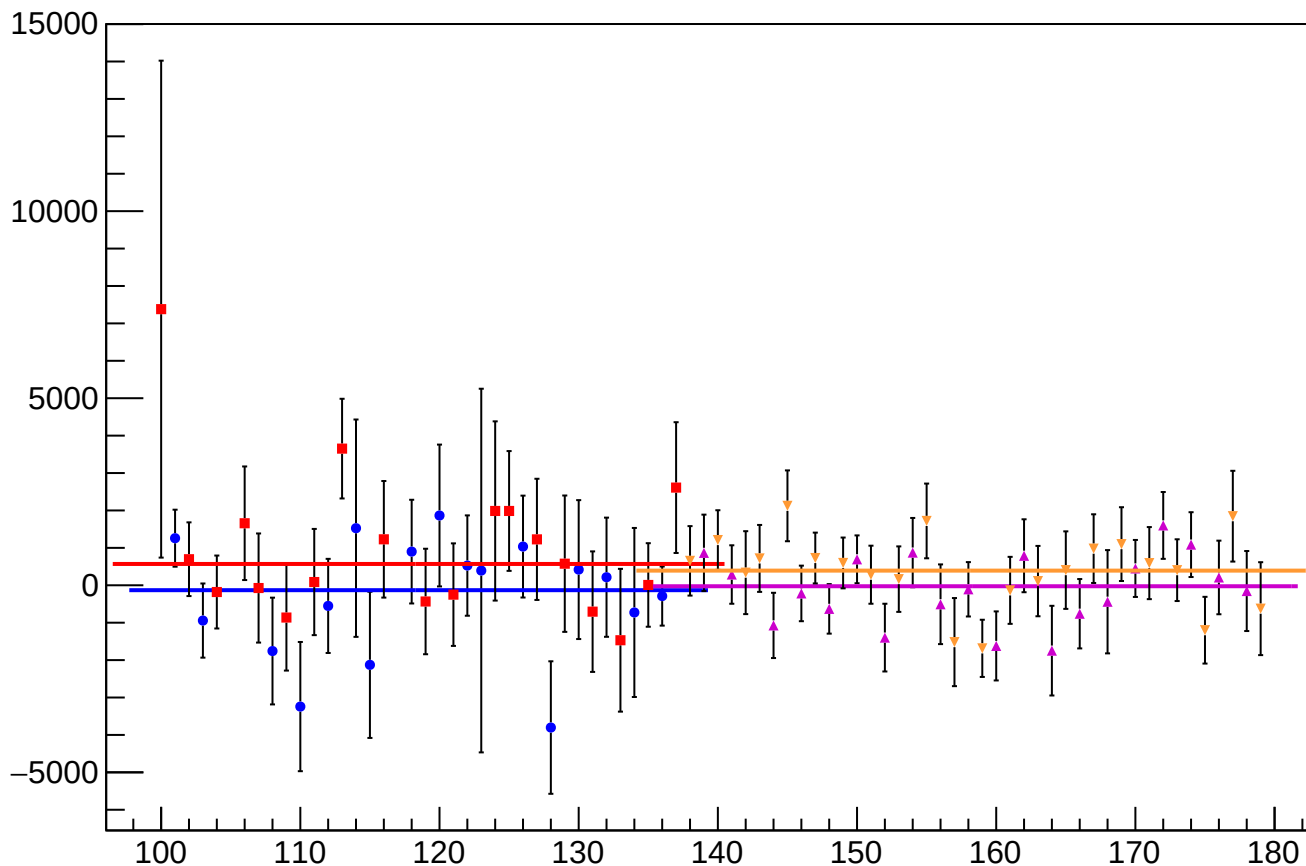
Left In: 557.680+/-0.100 χ^2/NDF : 11142.3/19

+ sign 559.408+/-0.082 χ^2/NDF : 27491.9/38

All: 559.661+/-0.058 χ^2/NDF : 89579.7/77

- sign 559.921+/-0.083 χ^2/NDF : 62068.5/38

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 $\chi^2/\text{NDF}: 14.6/18$

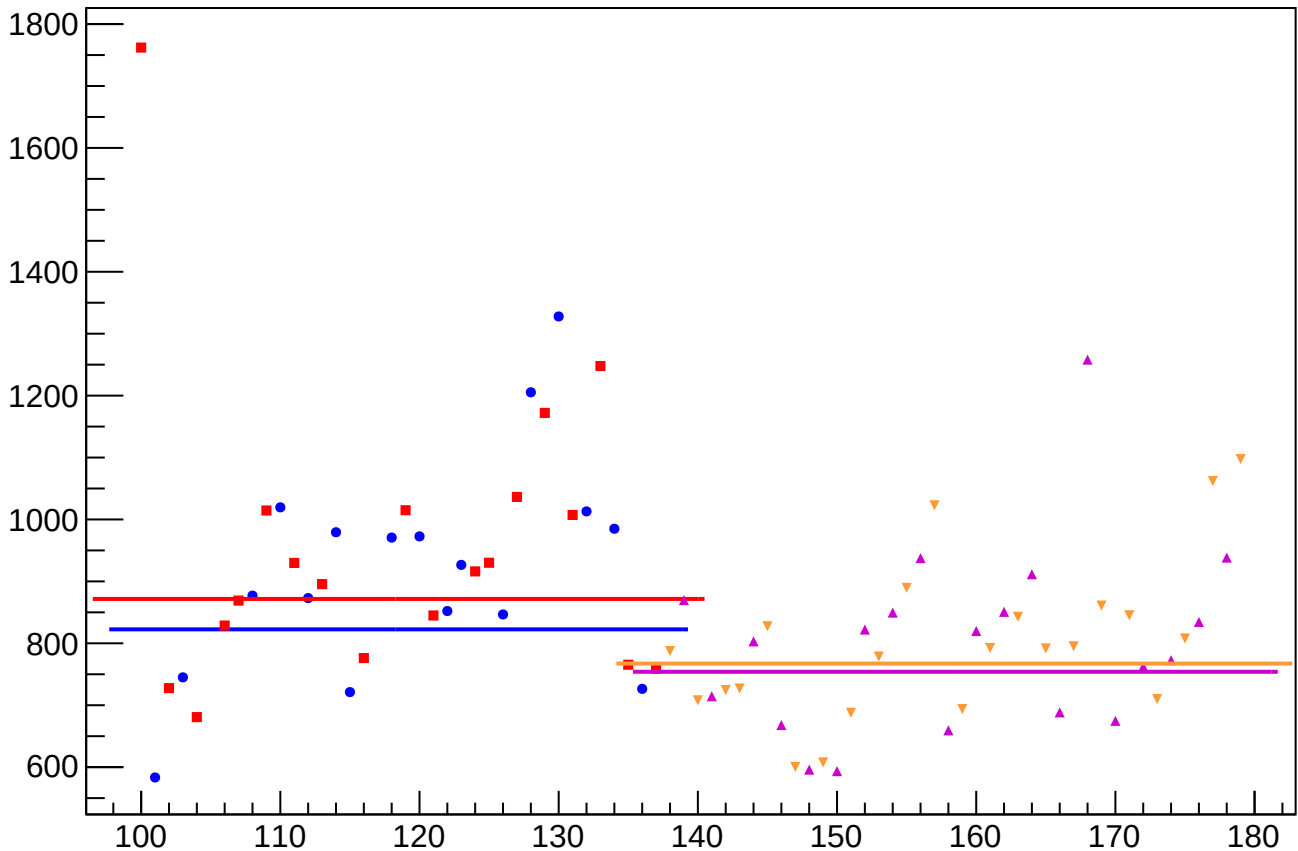
Left In: -25.695 ± 194.468 $\chi^2/\text{NDF}: 19.9/19$

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

All: 193.577 ± 117.750 $\chi^2/\text{NDF}: 79.8/77$

- sign 126.163 ± 167.853 $\chi^2/\text{NDF}: 36.9/38$

asym_right_avg_correction_rms vs Slug



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

Left Out: 767.304 $\pm$ 0.135 χ^2 /NDF: 744560.6/21

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

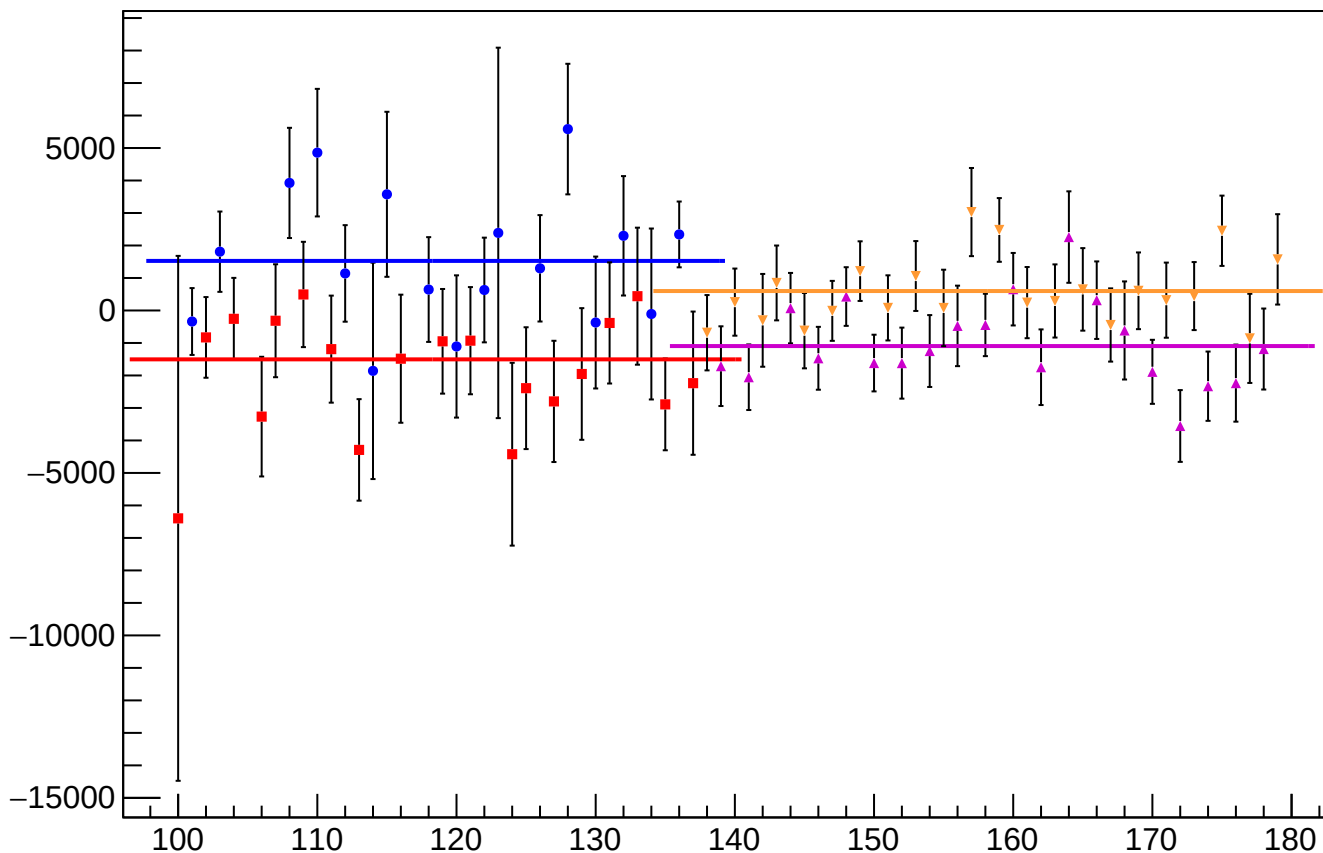
Left In: 754.019 $\pm$ 0.138 χ^2 /NDF: 866616.5/19

+ sign 781.352 $\pm$ 0.117 χ^2 /NDF: 1387892.7/38

All: 782.666 $\pm$ 0.083 χ^2 /NDF: 2848310.6/77

- sign 784.022 $\pm$ 0.119 χ^2 /NDF: 1460161.0/38

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

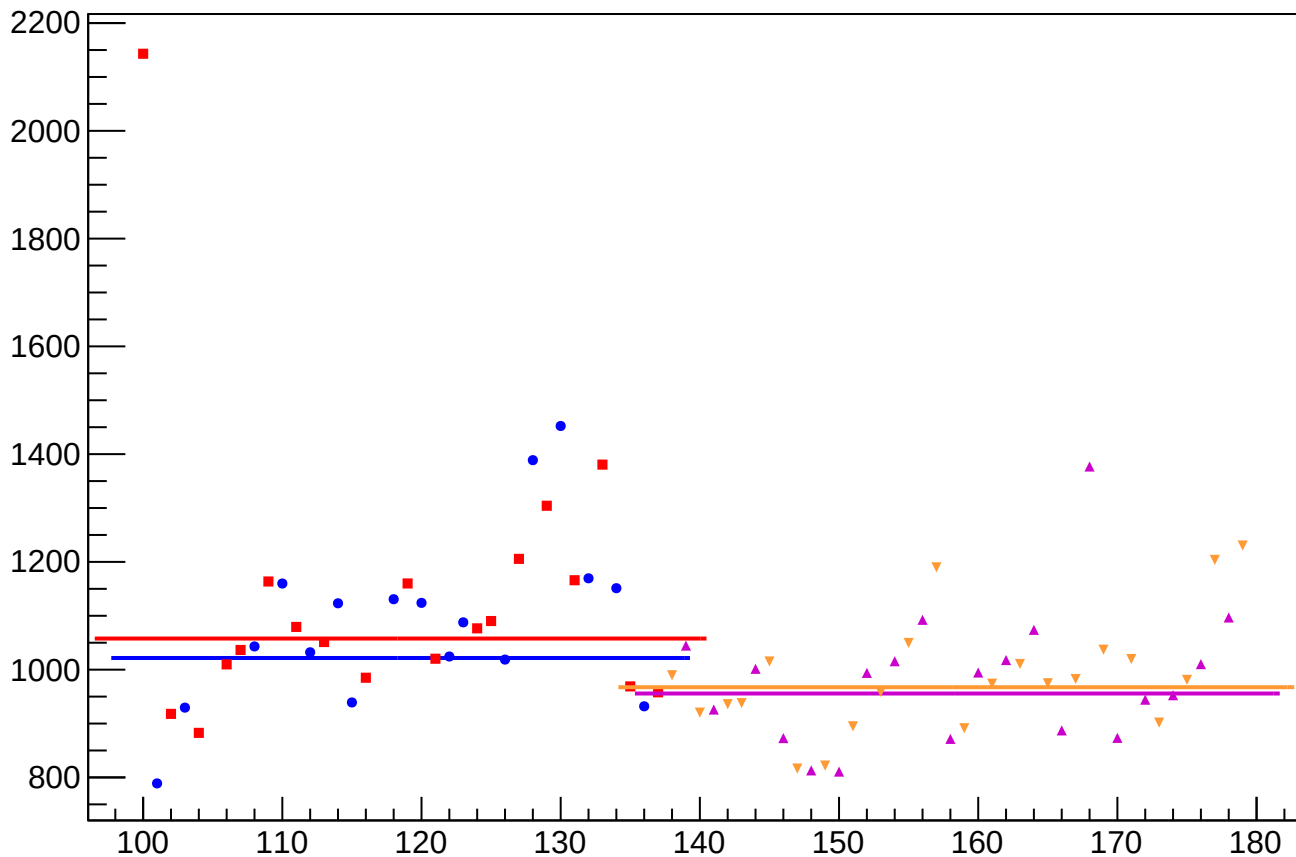
Left In: -1095.069 $\pm$ 244.189 χ^2 /NDF: 24.5/19

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

All: -167.902 $\pm$ 146.291 χ^2 /NDF: 125.4/77

- sign -1206.222 $\pm$ 208.415 χ^2 /NDF: 37.4/38

asym_right_avg_rms vs Slug



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

Left Out: 967.403+/-0.169 χ^2/NDF : 354128.3/21

+ sign 981.583+/-0.145 χ^2/NDF : 713023.1/38

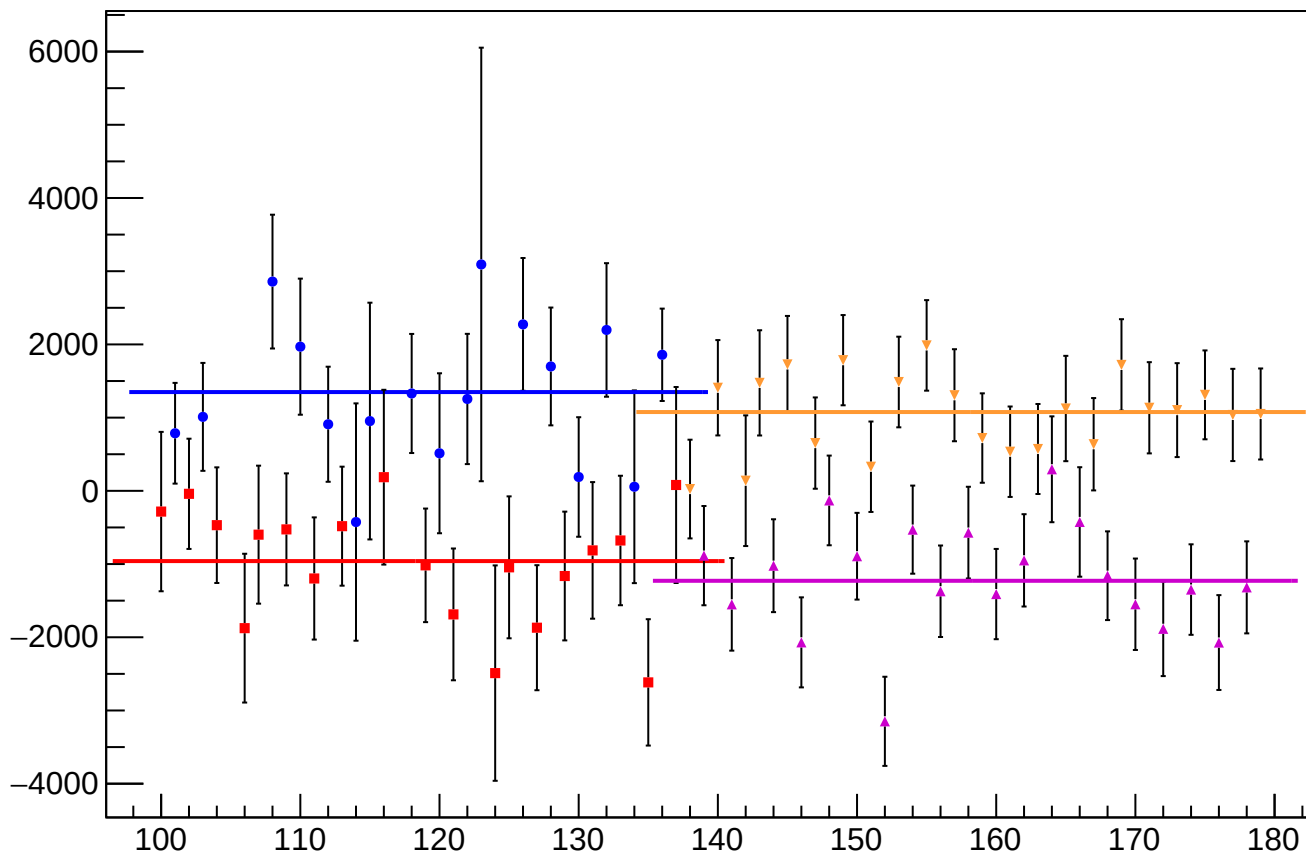
Right Out: 1057.748+/-0.283 χ^2/NDF : 230944.1/18

All: 982.498+/-0.103 χ^2/NDF : 1451273.1/77

- sign 983.440+/-0.147 χ^2/NDF : 738169.4/38

Left In: 955.740+/-0.173 χ^2/NDF : 412453.6/19

reg_asym_right_dd_mean vs Slug



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

Left Out: 1076.345 $\pm$ 136.842 χ^2 /NDF: 14.6/21

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

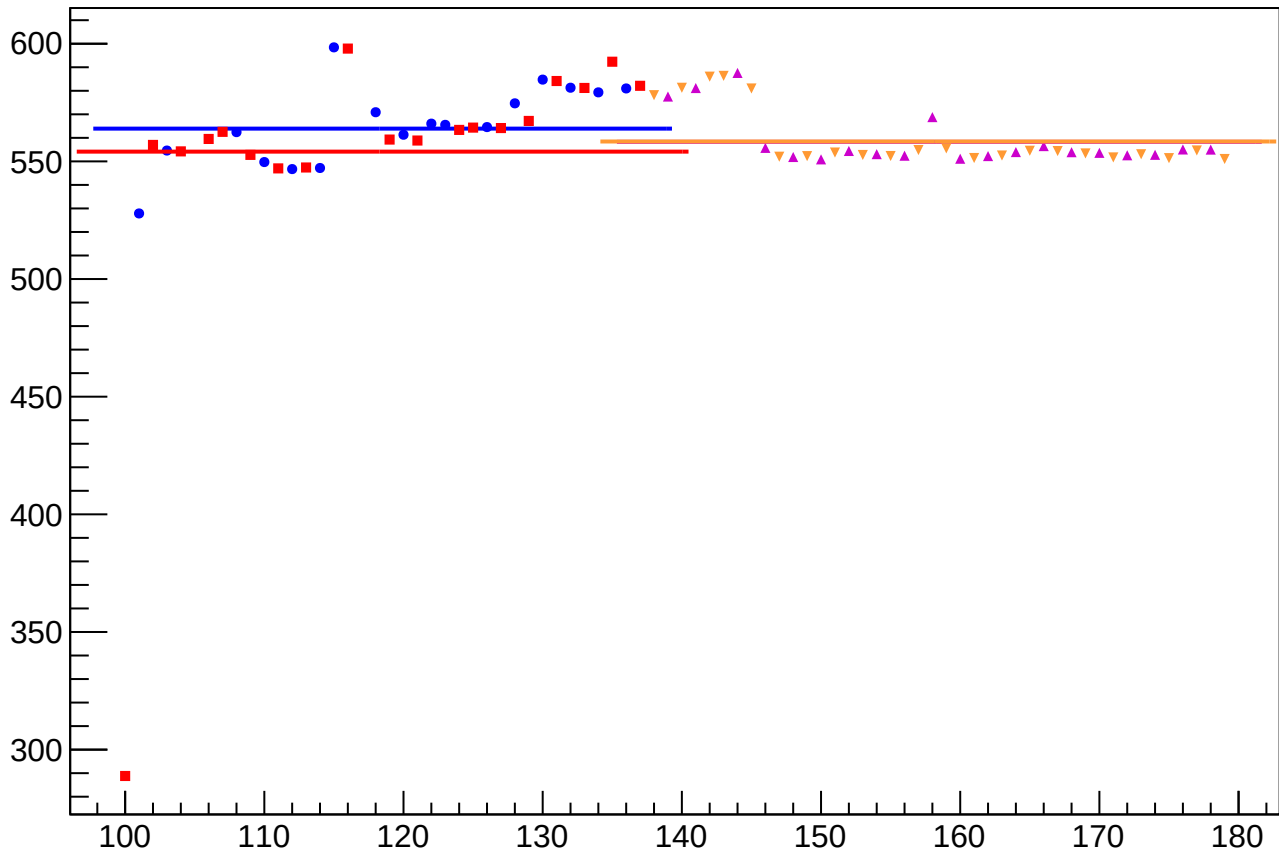
Left In: -1228.704 $\pm$ 141.472 χ^2 /NDF: 27.4/19

+ sign 1153.273 $\pm$ 115.954 χ^2 /NDF: 28.0/38

All: 15.168 $\pm$ 82.361 χ^2 /NDF: 263.2/77

- sign -1143.636 $\pm$ 117.004 χ^2 /NDF: 40.8/38

reg_asym_right_dd_rms vs Slug



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

Left Out: 558.452 $\pm$ 0.097 χ^2 /NDF: 14144.5/21

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

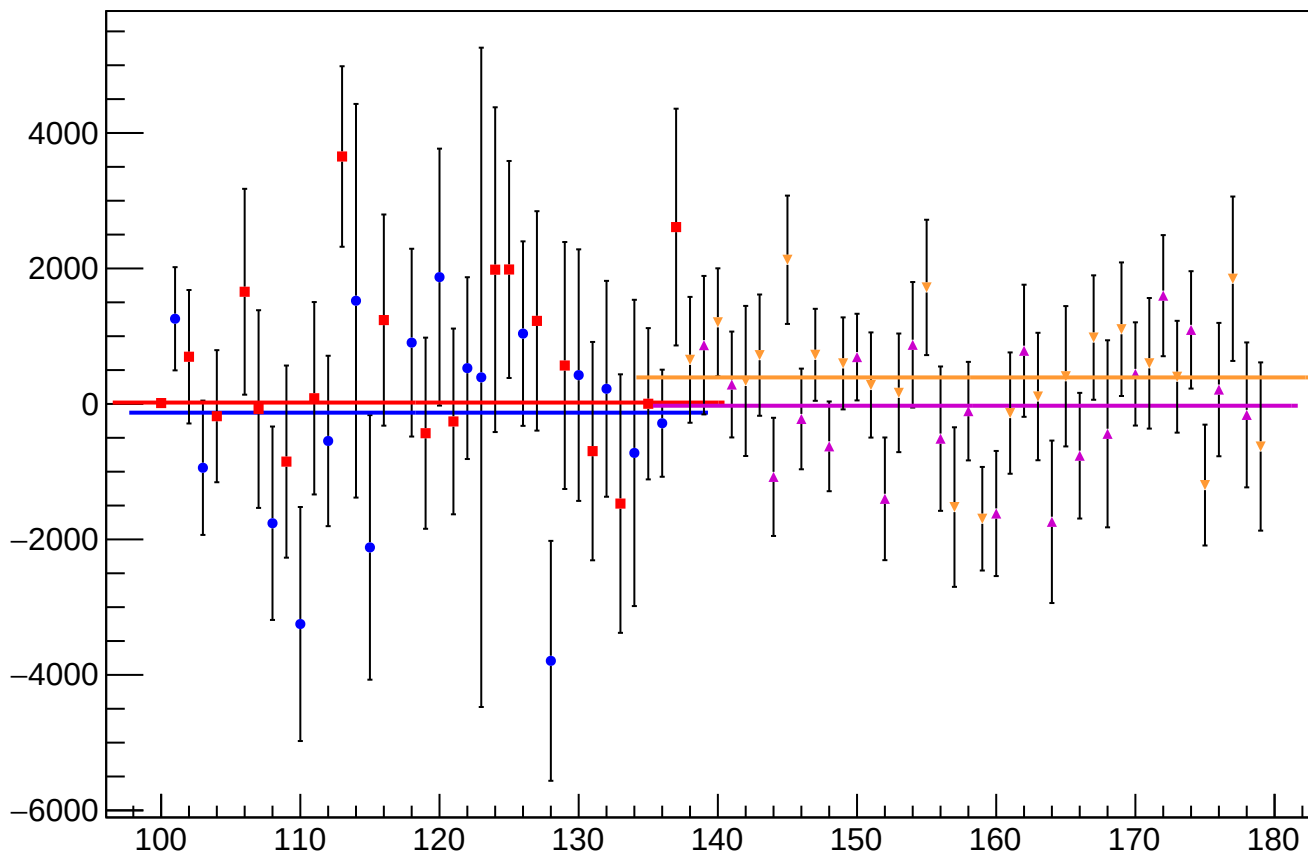
Left In: 558.301 $\pm$ 0.100 χ^2 /NDF: 11216.5/19

+ sign 559.995 $\pm$ 0.082 χ^2 /NDF: 27708.7/38

All: 558.505 $\pm$ 0.058 χ^2 /NDF: 172102.3/77

- sign 556.987 $\pm$ 0.083 χ^2 /NDF: 143727.0/38

asym_right_dd_correction_mean vs Slug



Right In: -128.725 ± 327.688 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 391.503 ± 191.410 $\chi^2/\text{NDF}: 23.6/21$

Right Out: 20.384 ± 38.954 $\chi^2/\text{NDF}: 16.1/18$

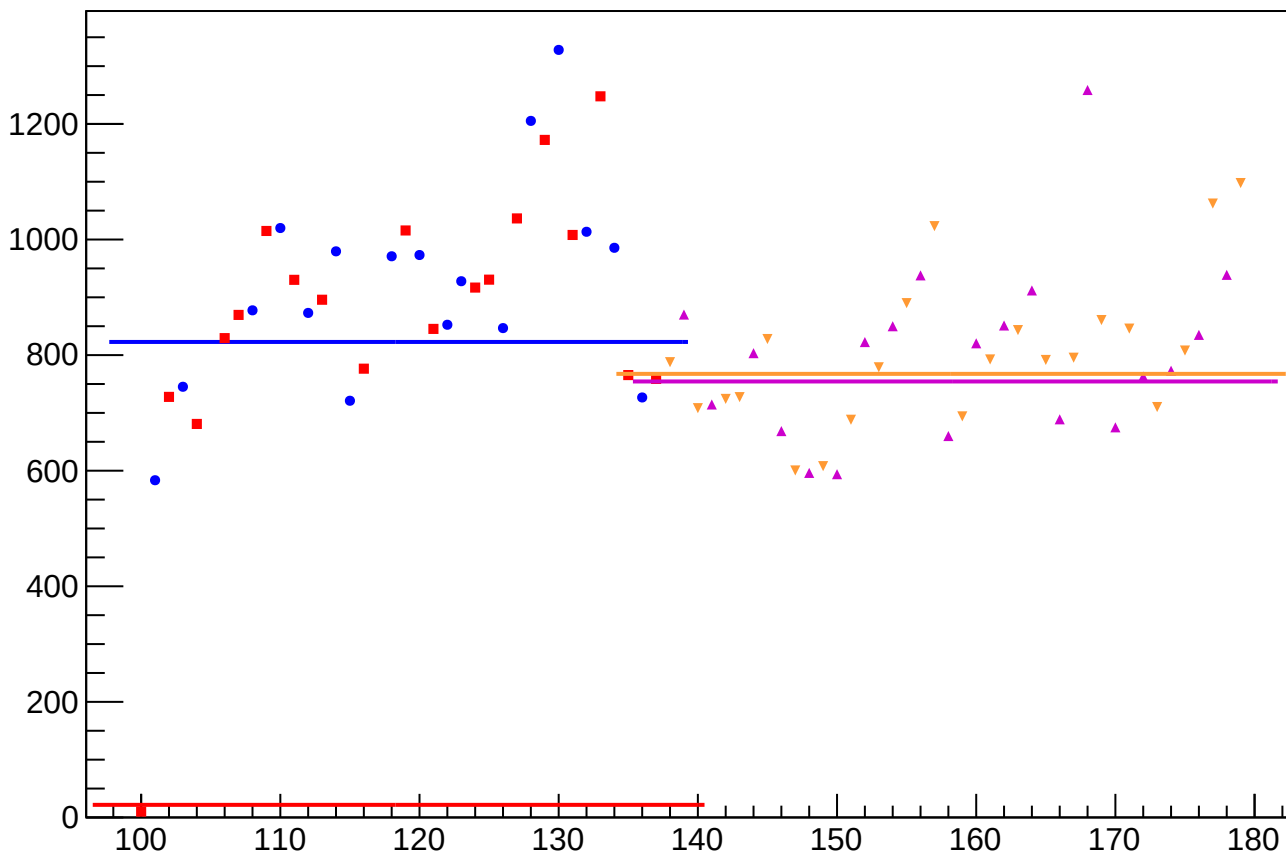
Left In: -26.459 ± 194.562 $\chi^2/\text{NDF}: 19.8/19$

+ sign 259.157 ± 165.279 $\chi^2/\text{NDF}: 42.7/38$

All: 30.776 ± 37.215 $\chi^2/\text{NDF}: 80.7/77$

- sign 18.579 ± 38.196 $\chi^2/\text{NDF}: 36.0/38$

asym_right_dd_correction_rms vs Slug



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

Left Out: 767.550 $\pm$ 0.135 χ^2 /NDF: 744507.4/21

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

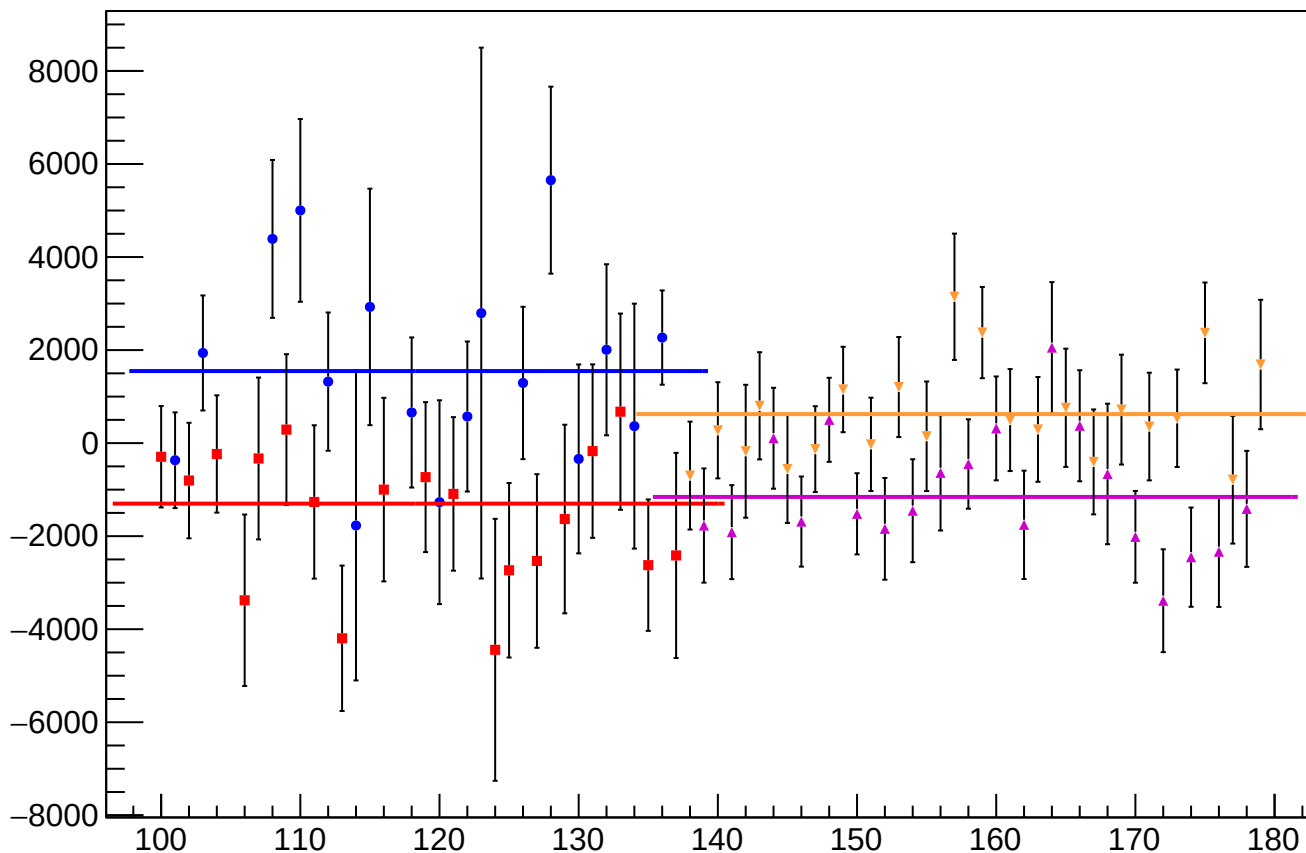
Left In: 754.391 $\pm$ 0.138 χ^2 /NDF: 866386.4/19

+ sign 781.601 $\pm$ 0.117 χ^2 /NDF: 1387741.7/38

All: 87.136 $\pm$ 0.026 χ^2 /NDF: 80234732.8/77

- sign 50.046 $\pm$ 0.027 χ^2 /NDF: 41651588.0/38

asym_right_dd_mean vs Slug



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

Left Out: 623.582 ± 239.109 χ^2/NDF : 16.6/21

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

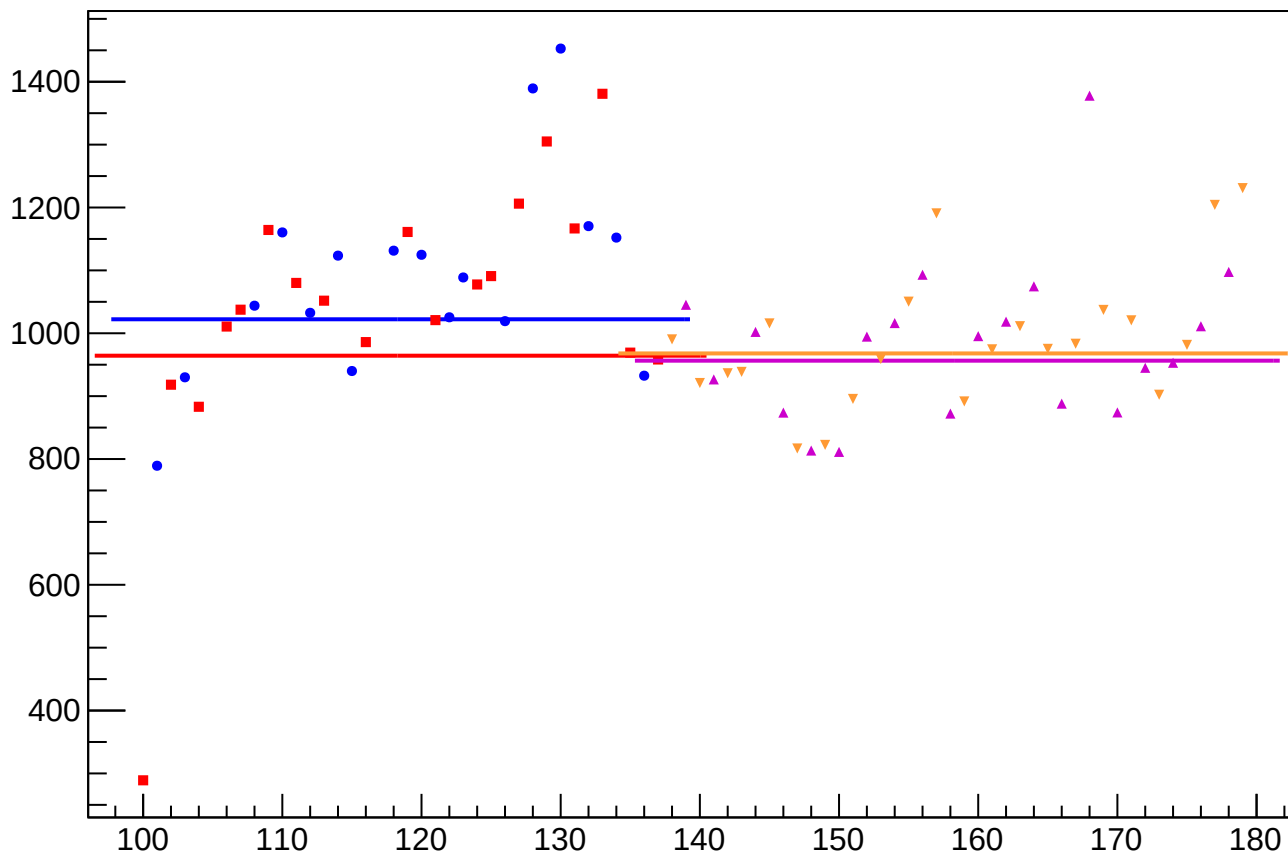
Left In: -1156.502 ± 244.360 χ^2/NDF : 23.5/19

+ sign 865.382 ± 205.506 χ^2/NDF : 39.5/38

All: -170.055 ± 145.100 χ^2/NDF : 126.2/77

- sign -1199.387 ± 204.899 χ^2/NDF : 36.1/38

asym_right_dd_rms vs Slug



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

Left Out: 967.933 ± 0.169 χ^2/NDF : 354007.1/21

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

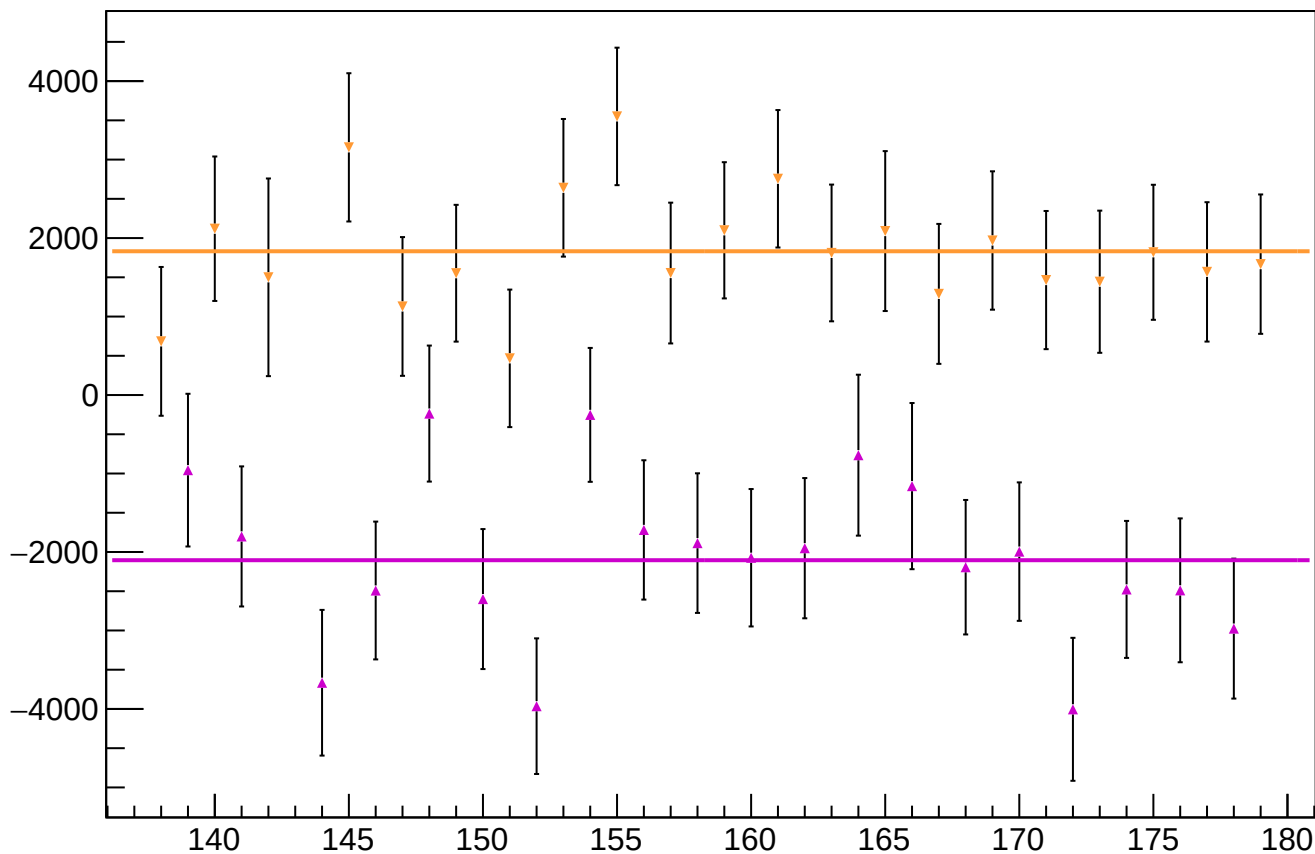
Left In: 956.417 ± 0.173 χ^2/NDF : 412172.0/19

+ sign 982.125 ± 0.145 χ^2/NDF : 712834.6/38

All: 970.411 ± 0.103 χ^2/NDF : 2205868.7/77

- sign 958.766 ± 0.145 χ^2/NDF : 1480075.9/38

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

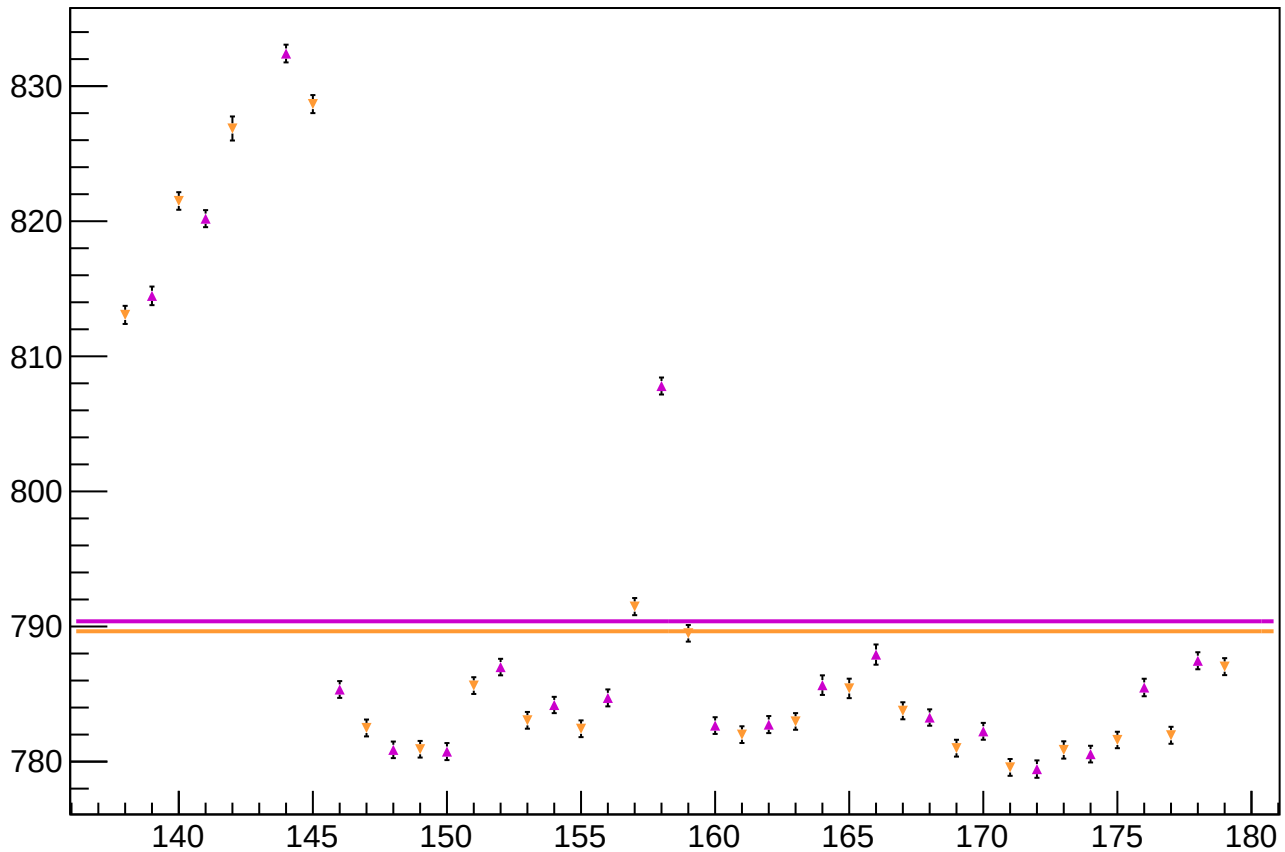
Left In: -2104.686+/-201.544 χ^2/NDF :27.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -96.196+/-141.052 χ^2/NDF : 235.6/40

- 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

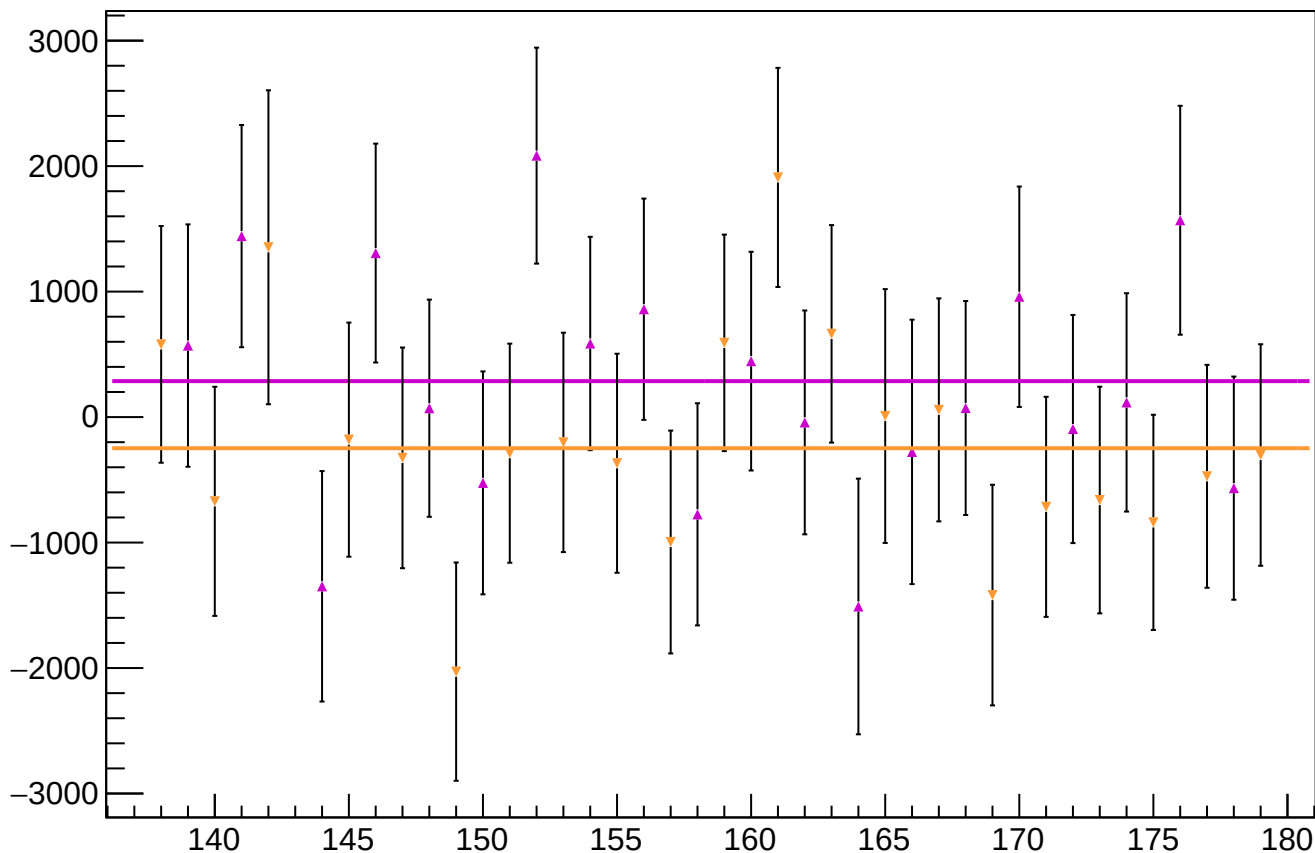
Left In: 790.385+/-0.143 χ^2/NDF :10367.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 790.009+/-0.100 χ^2/NDF : 21164.8/40

- 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

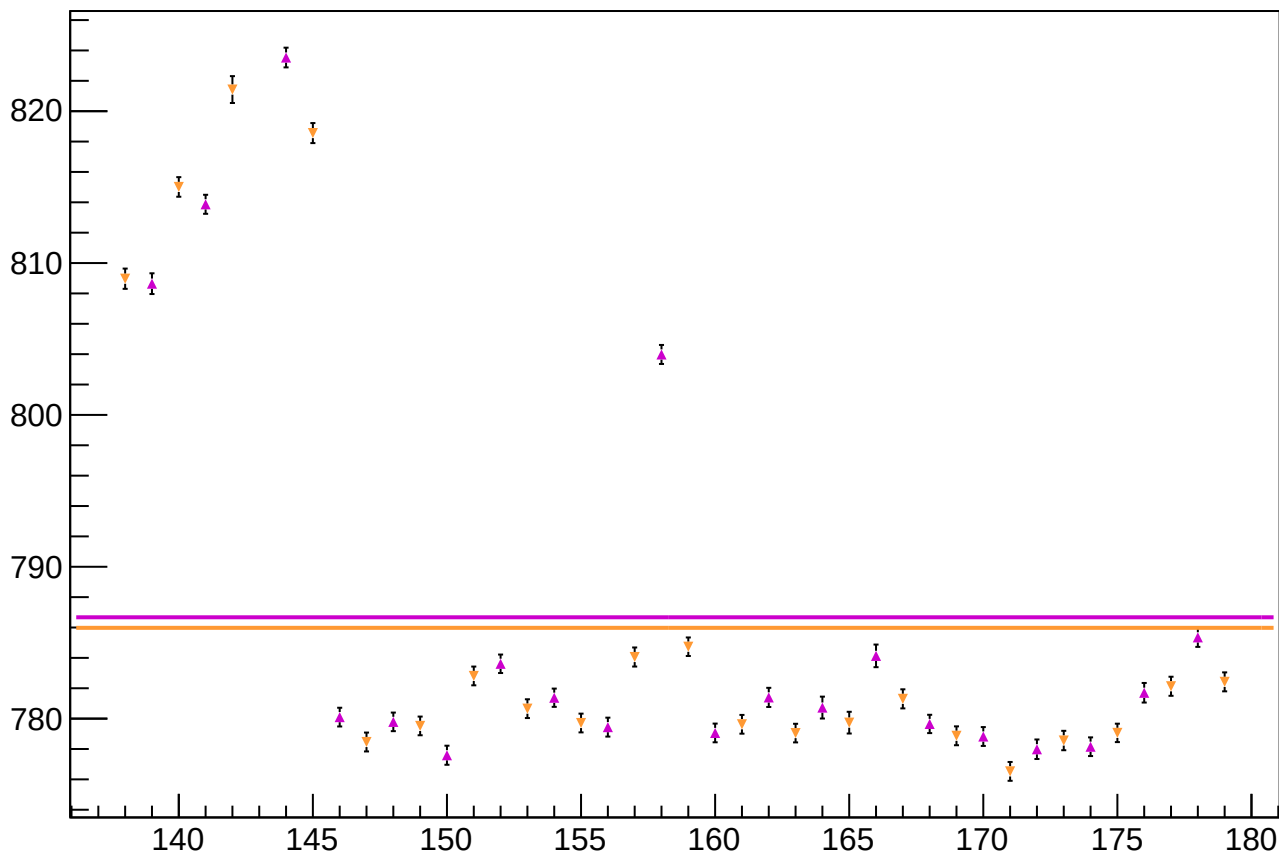
Left In: 286.568+/-200.589 χ^2/NDF : 20.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 13.754+/-140.385 χ^2/NDF : 43.2/40

- 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

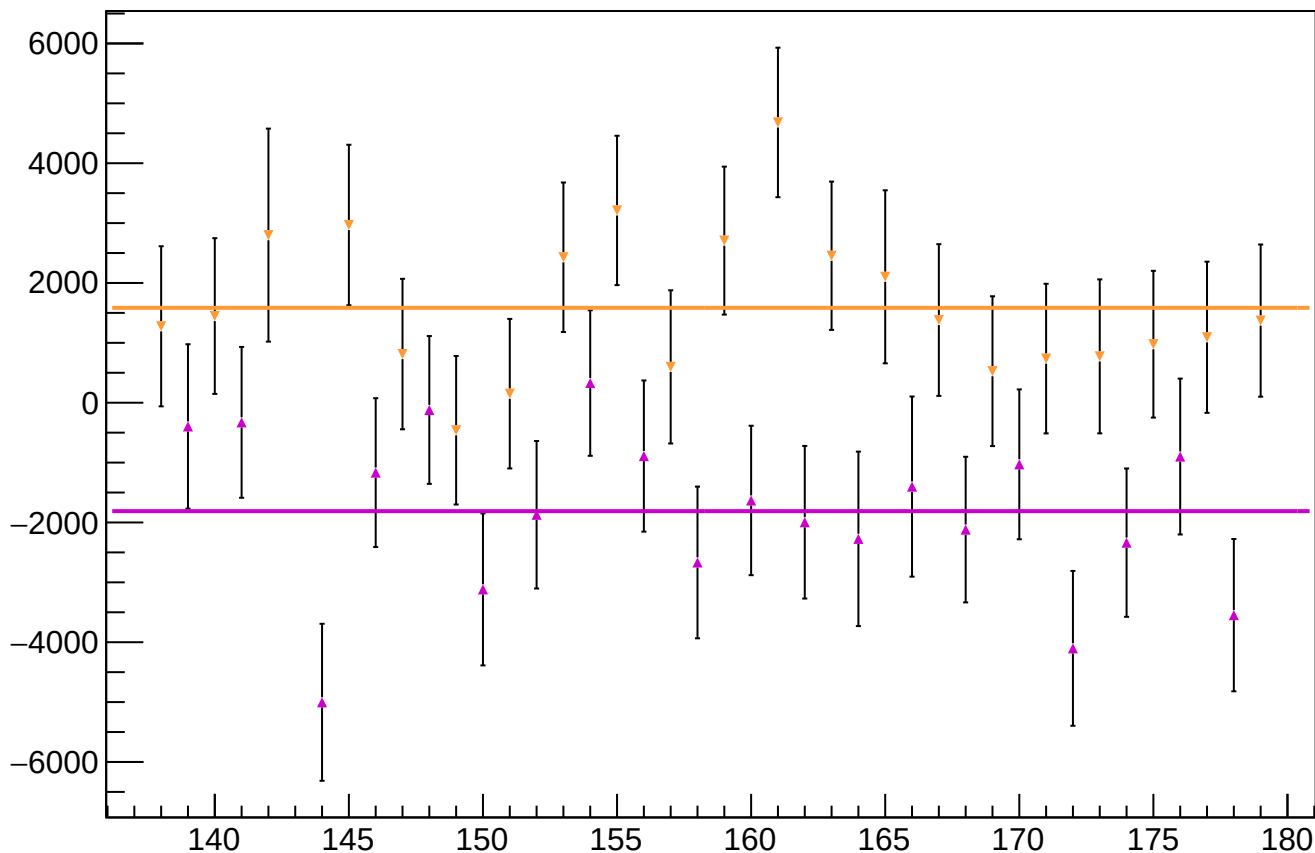
Left In: 786.673+/-0.142 χ^2/NDF : 8631.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 786.319+/-0.099 χ^2/NDF : 17435.8/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usl_mean vs Slug



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

Left Out: 1584.946 $\pm$ 280.701 χ^2 /NDF:18.4/20

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

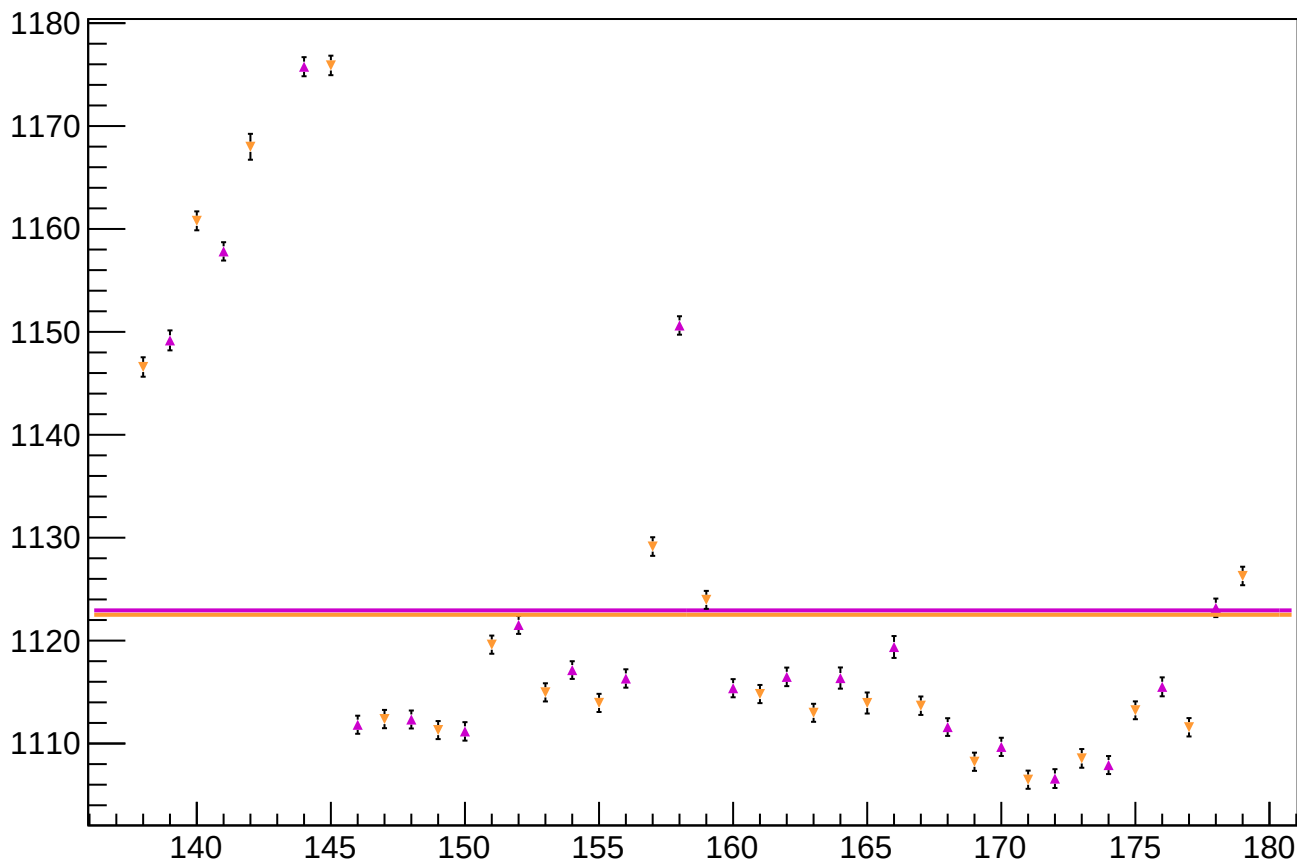
Left In: -1810.845 $\pm$ 286.332 χ^2 /NDF:22.0/19

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

All: -79.233 $\pm$ 200.447 χ^2 /NDF: 112.1/40

- sign 0.000 $\pm$ 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

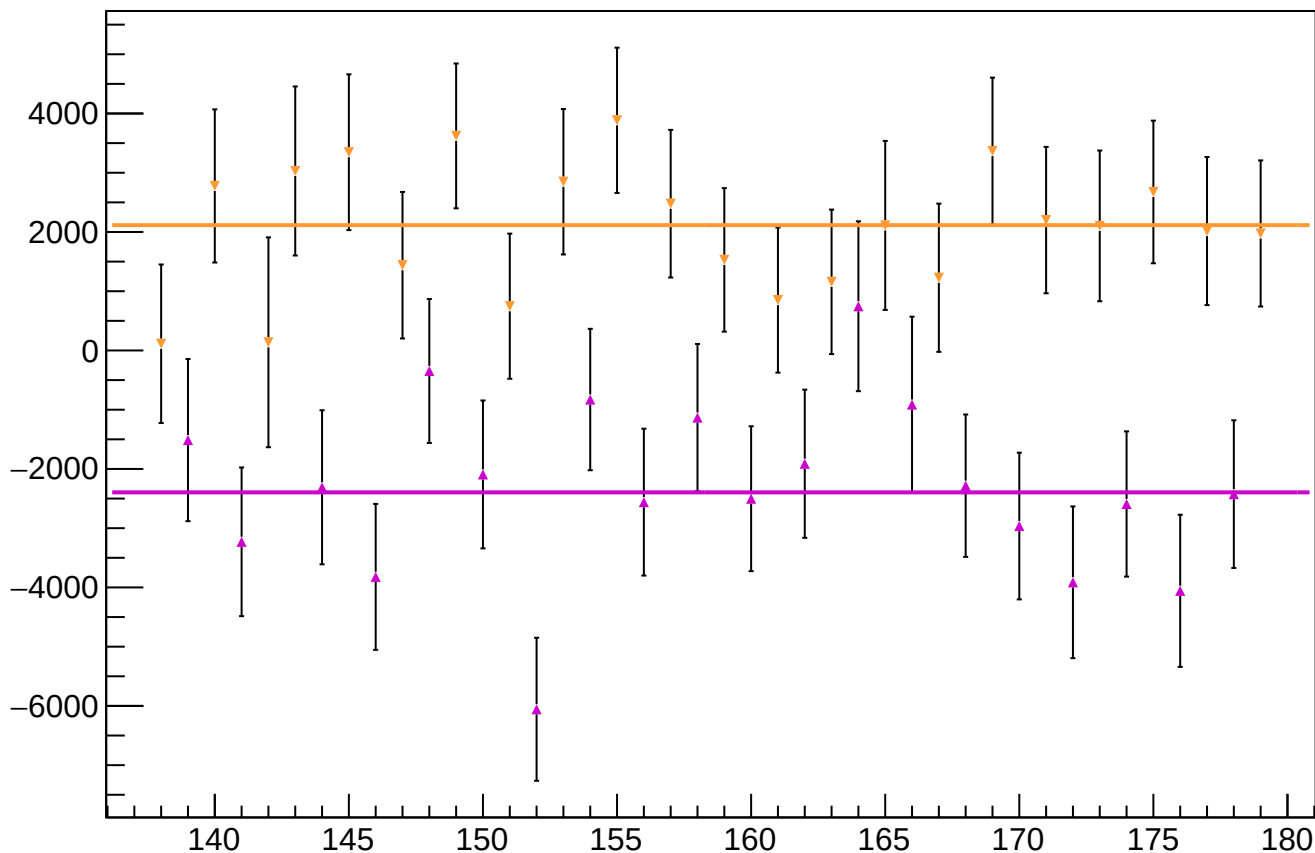
Left In: 1122.937+/-0.202 χ^2/NDF : 8303.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1122.719+/-0.142 χ^2/NDF : 17163.8/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usr_mean vs Slug



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

Left Out: 2115.206+/-271.457 χ^2/NDF :14.3/21

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

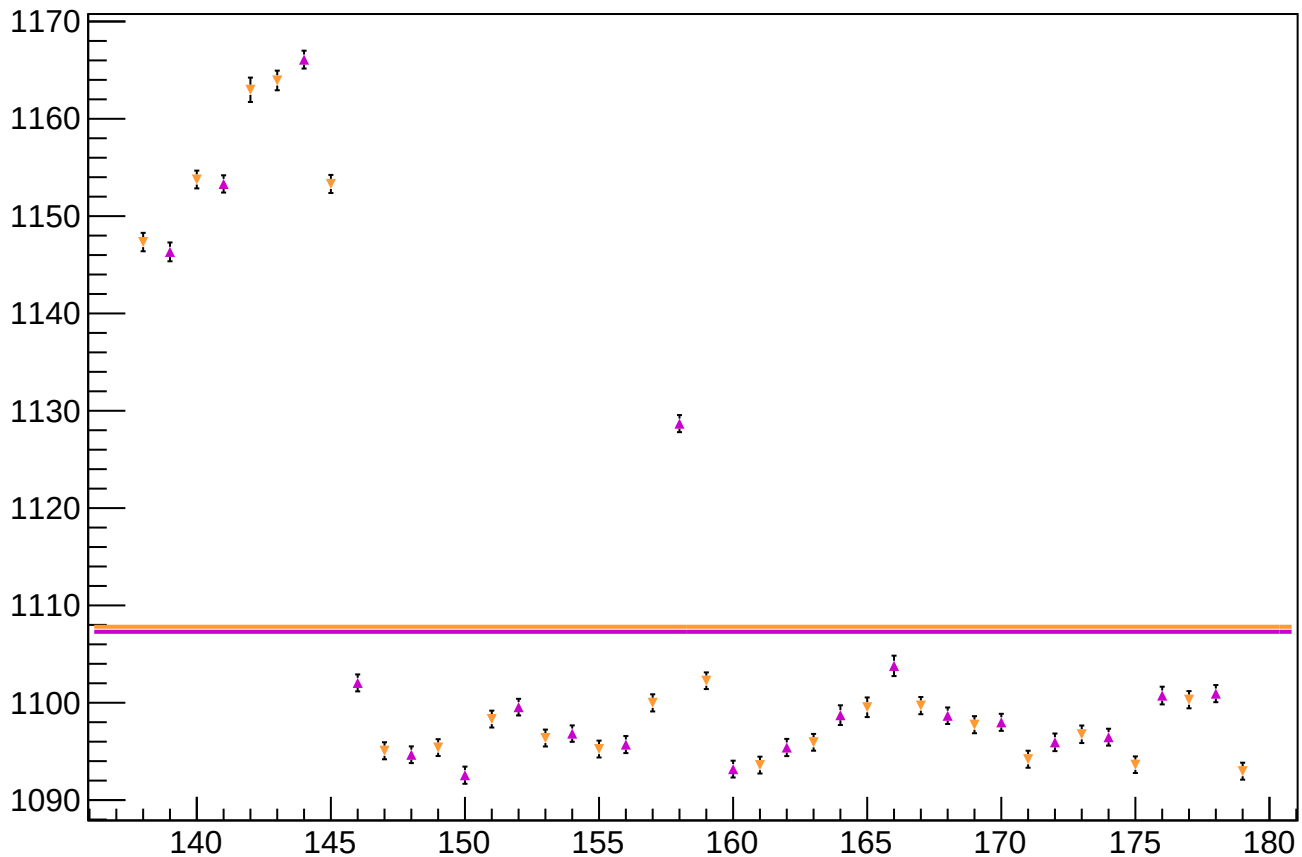
Left In: -2395.521+/-282.354 χ^2/NDF :26.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -51.434+/-195.688 χ^2/NDF : 173.3/41

- sign 0.000+/-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

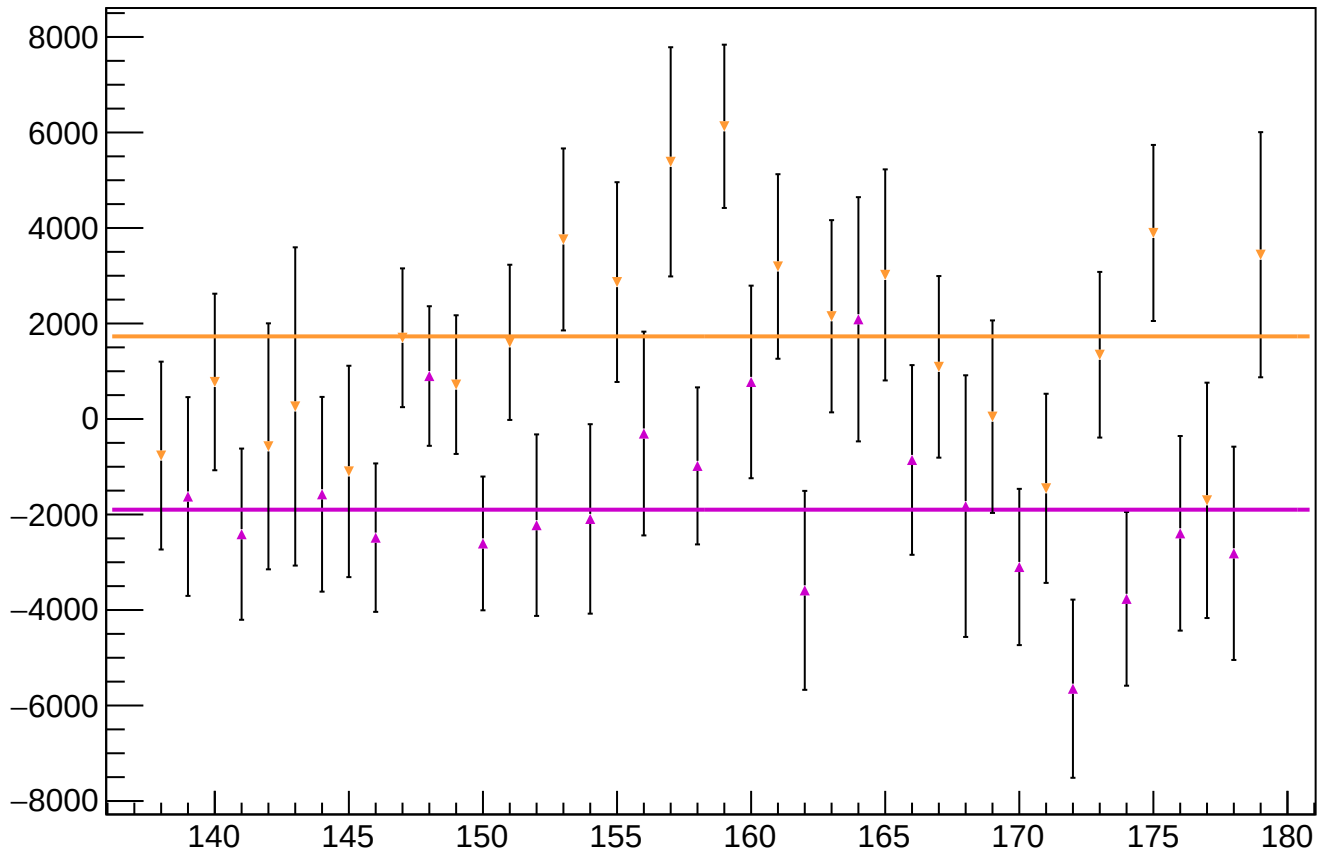
Left In: 1107.288+/-0.200 χ^2/NDF : 11101.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1107.559+/-0.138 χ^2/NDF : 25627.9/41

- 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

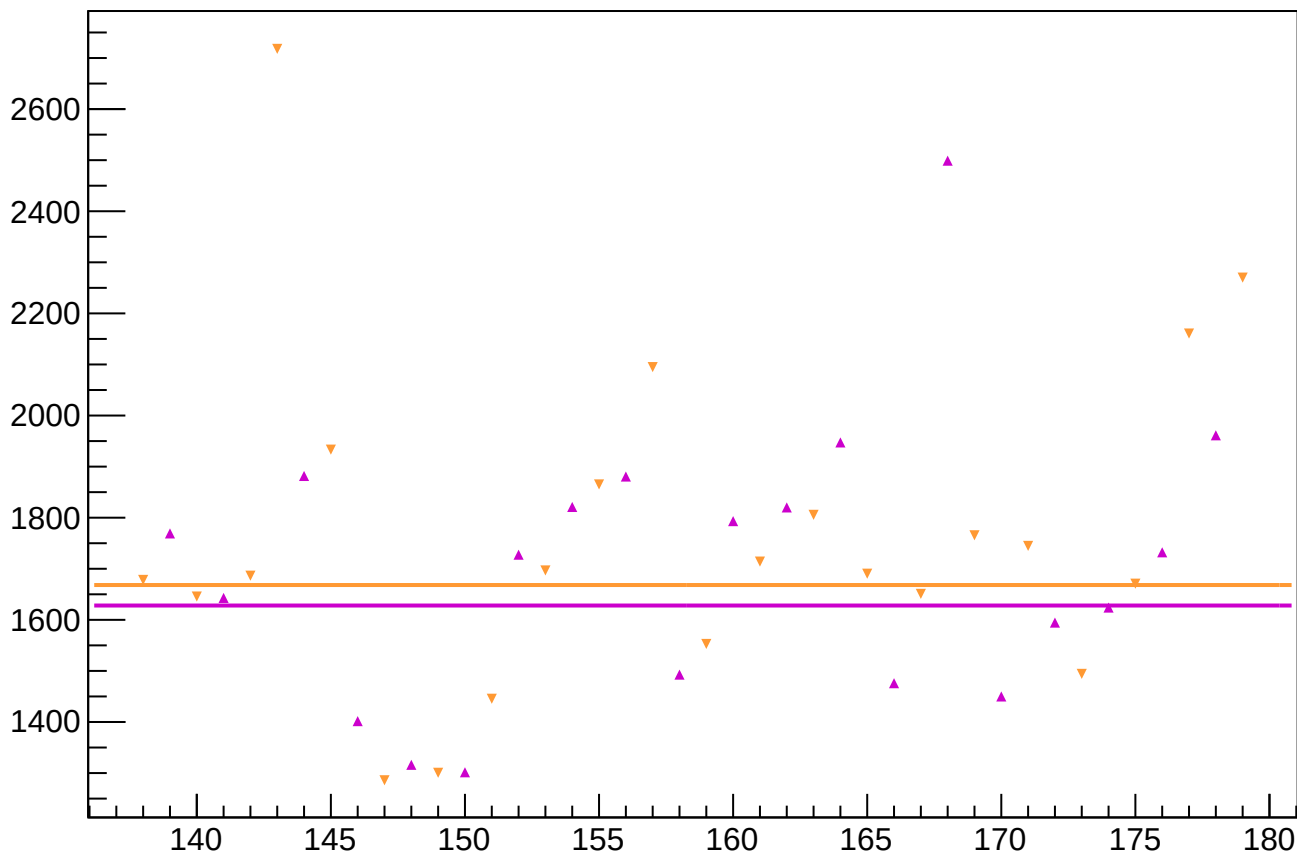
Left In: -1899.175+/-418.295 χ^2/NDF : 16.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -74.086+/-294.916 χ^2/NDF : 77.5/41

- 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

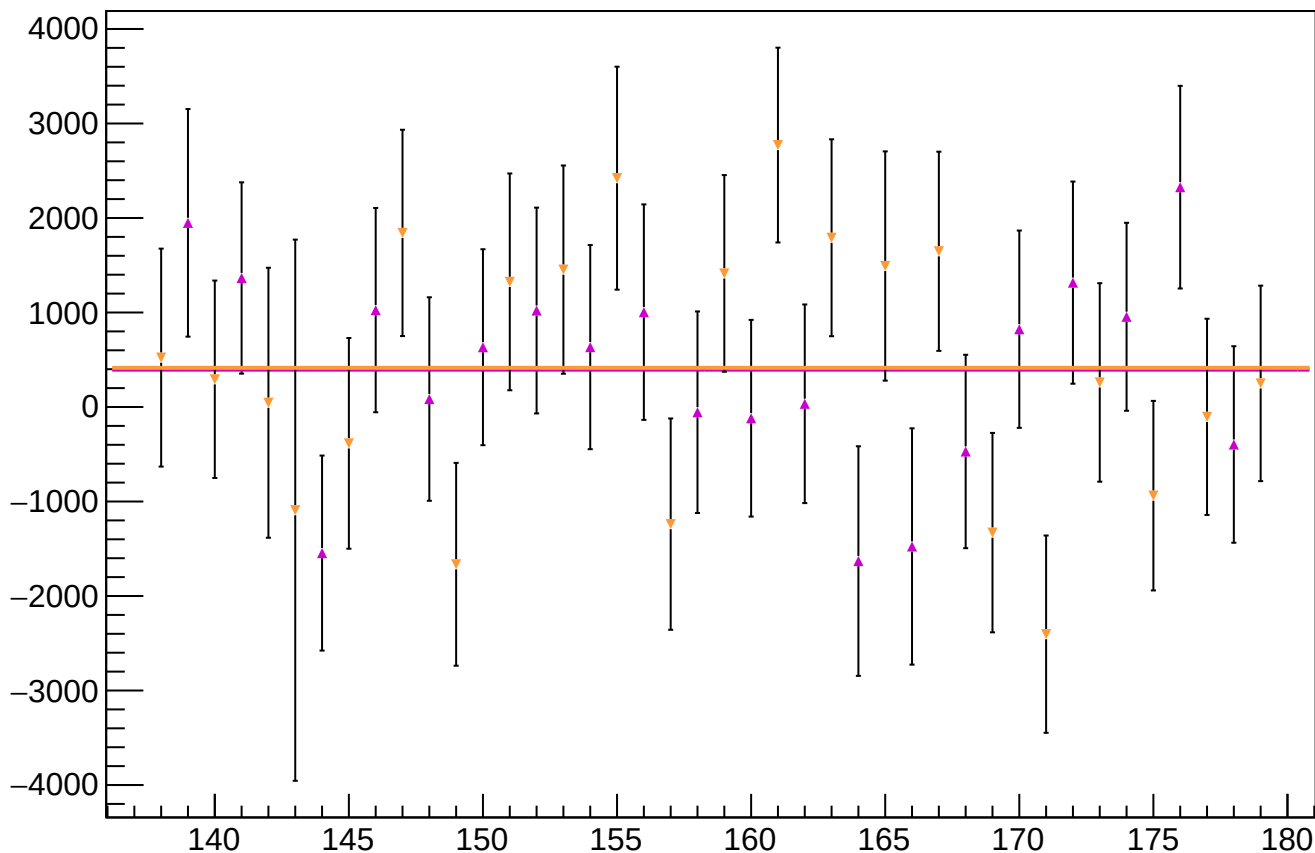
Left In: 1628.034+/-0.296 χ^2/NDF : 697976.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1648.217+/-0.209 χ^2/NDF : 1557902.0/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_mean vs Slug



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

Left Out: 414.651+/-236.755 χ^2/NDF :35.1/21

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

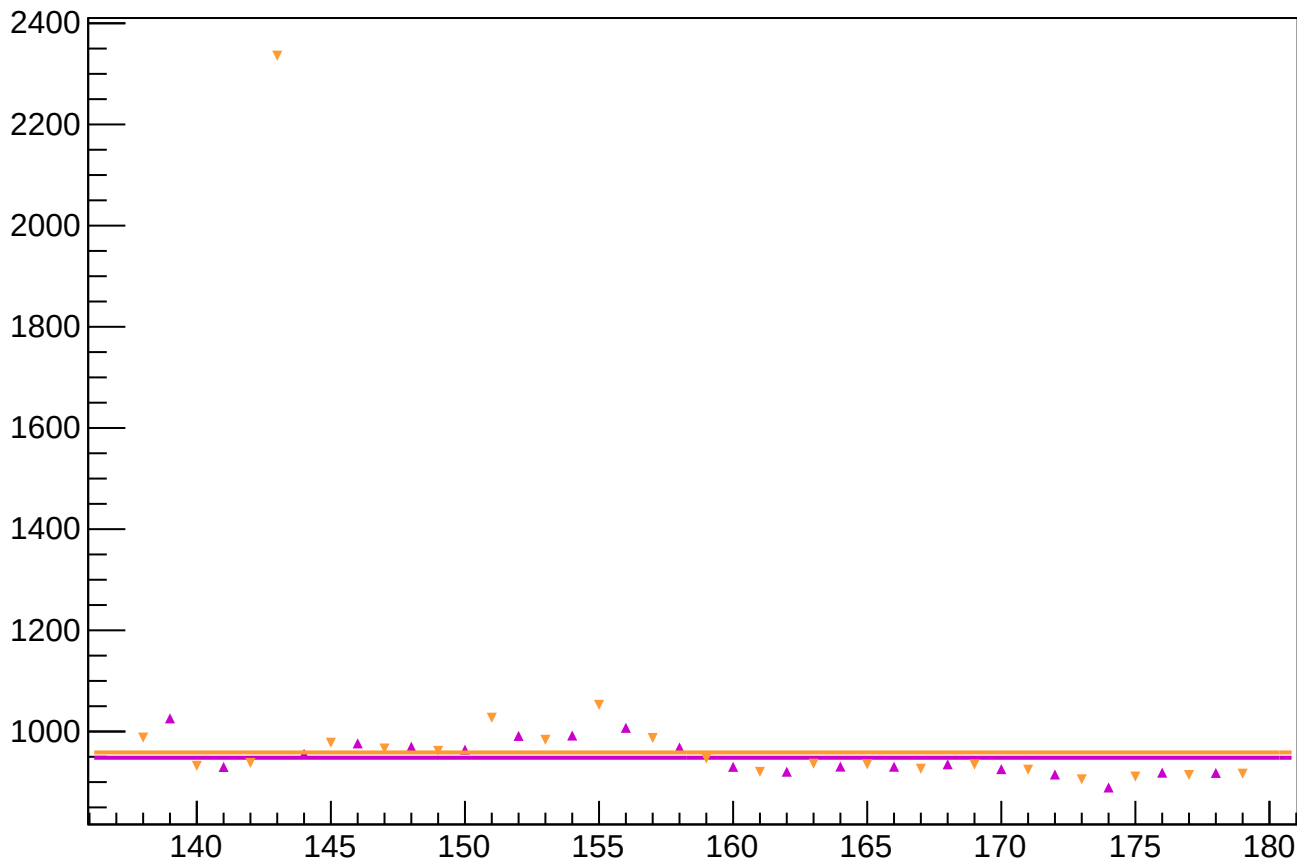
Left In: 395.456+/-240.411 χ^2/NDF :18.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 405.201+/-168.689 χ^2/NDF : 53.7/41

- sign 0.000+/-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

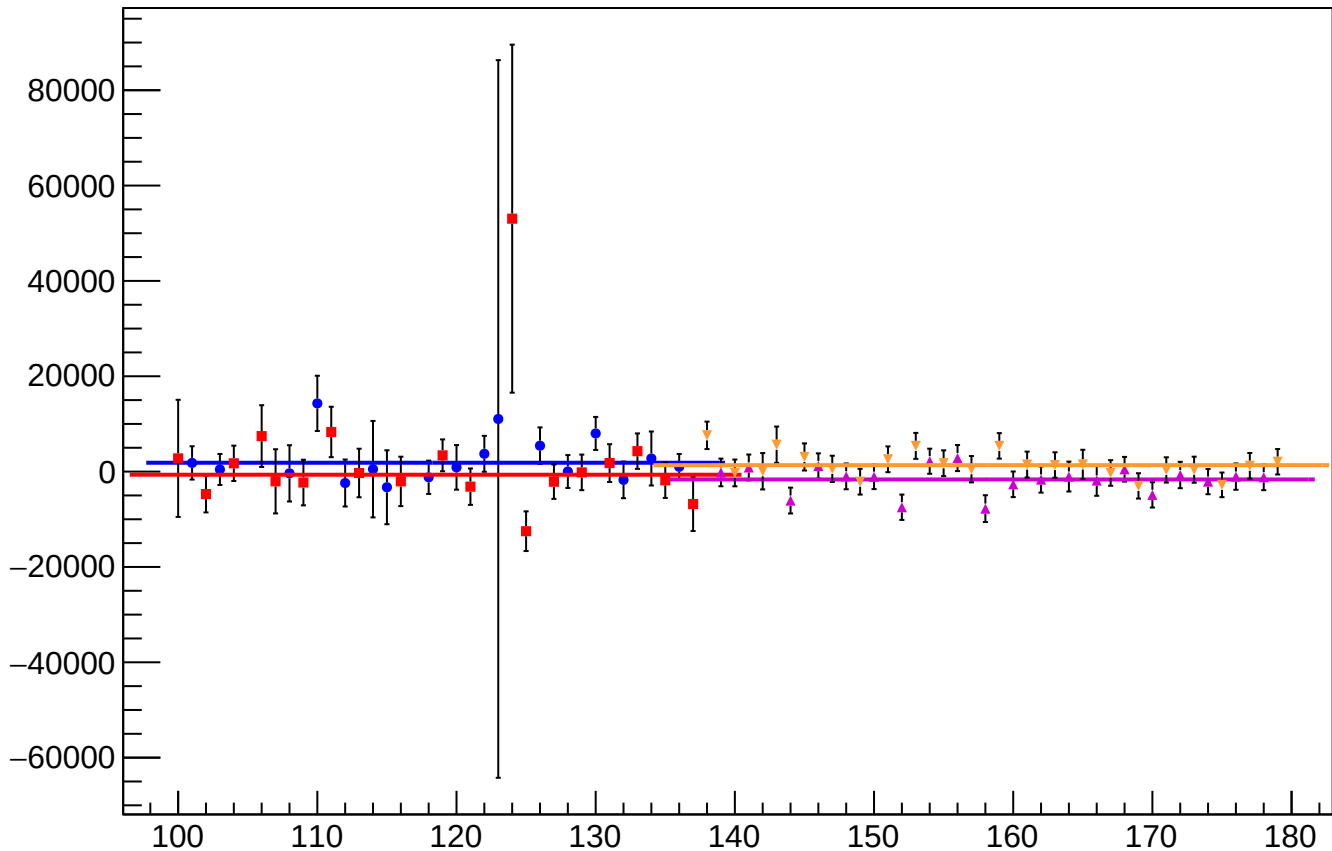
Left In: 948.124+/-0.170 χ^2/NDF : 40439.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 953.470+/-0.119 χ^2/NDF : 557510.6/41

- 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

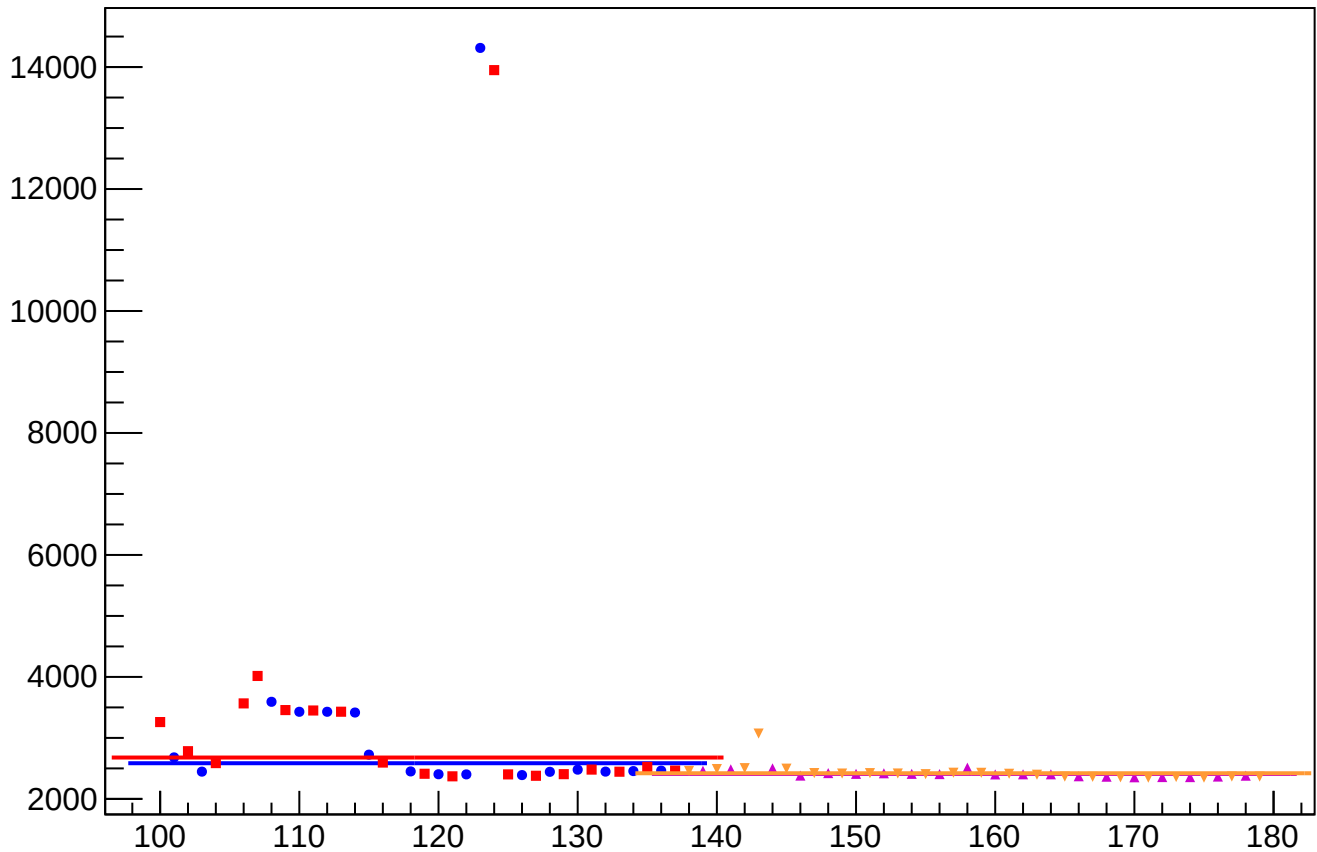
Left In: -1647.594 $\pm$ 612.134 χ^2 /NDF:22.0/19

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

All: 82.261 $\pm$ 367.096 χ^2 /NDF: 92.0/77

- sign -1385.981 $\pm$ 525.382 χ^2 /NDF: 44.8/38

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

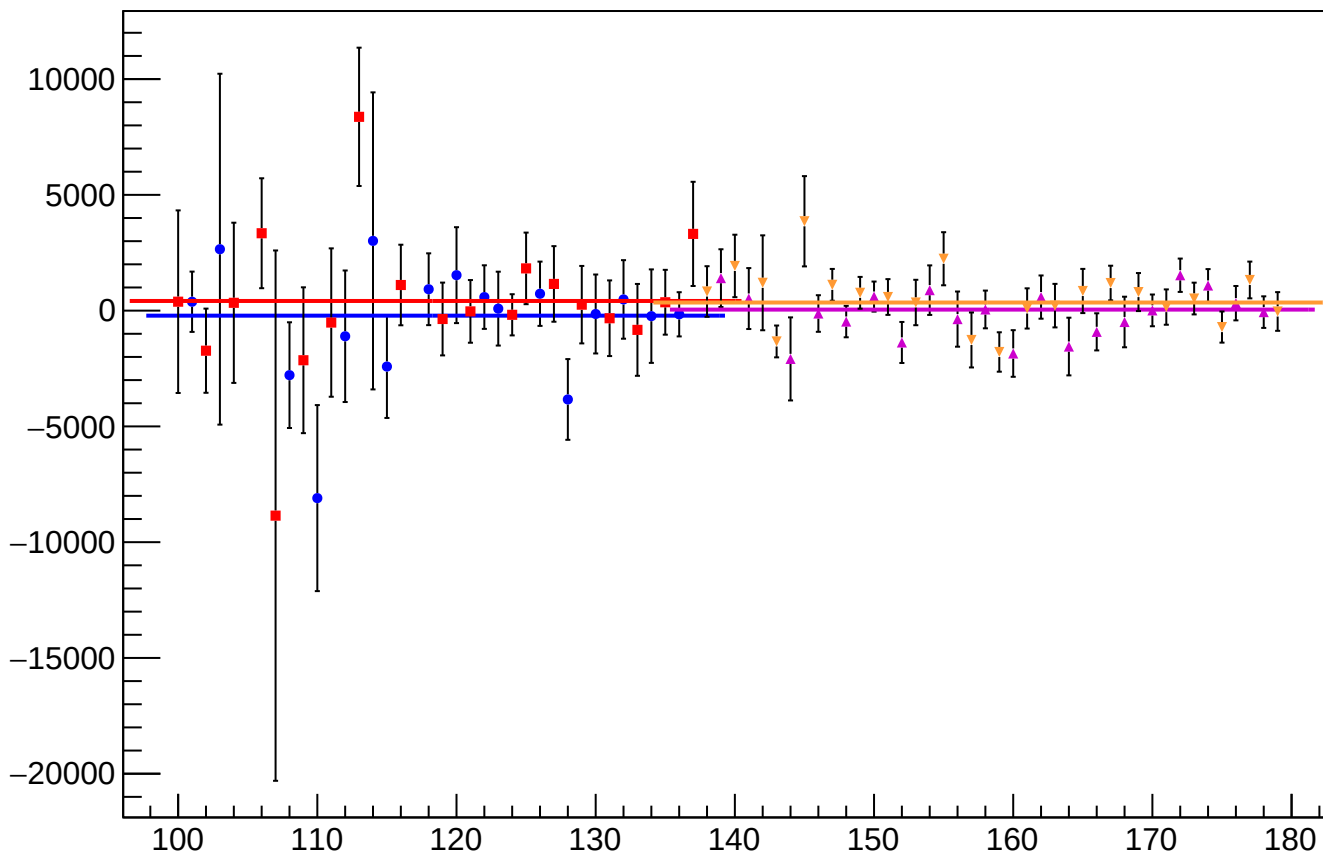
Left In: 2408.403+/-0.433 χ^2/NDF : 11398.1/19

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

All: 2470.822+/-0.260 χ^2/NDF : 1013030.8/77

- sign 2479.464+/-0.372 χ^2/NDF : 645835.2/38

asym_atl1_correction_mean vs Slug



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

Left Out: 350.249 $\pm$ 183.449 χ^2/NDF : 29.8/21

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

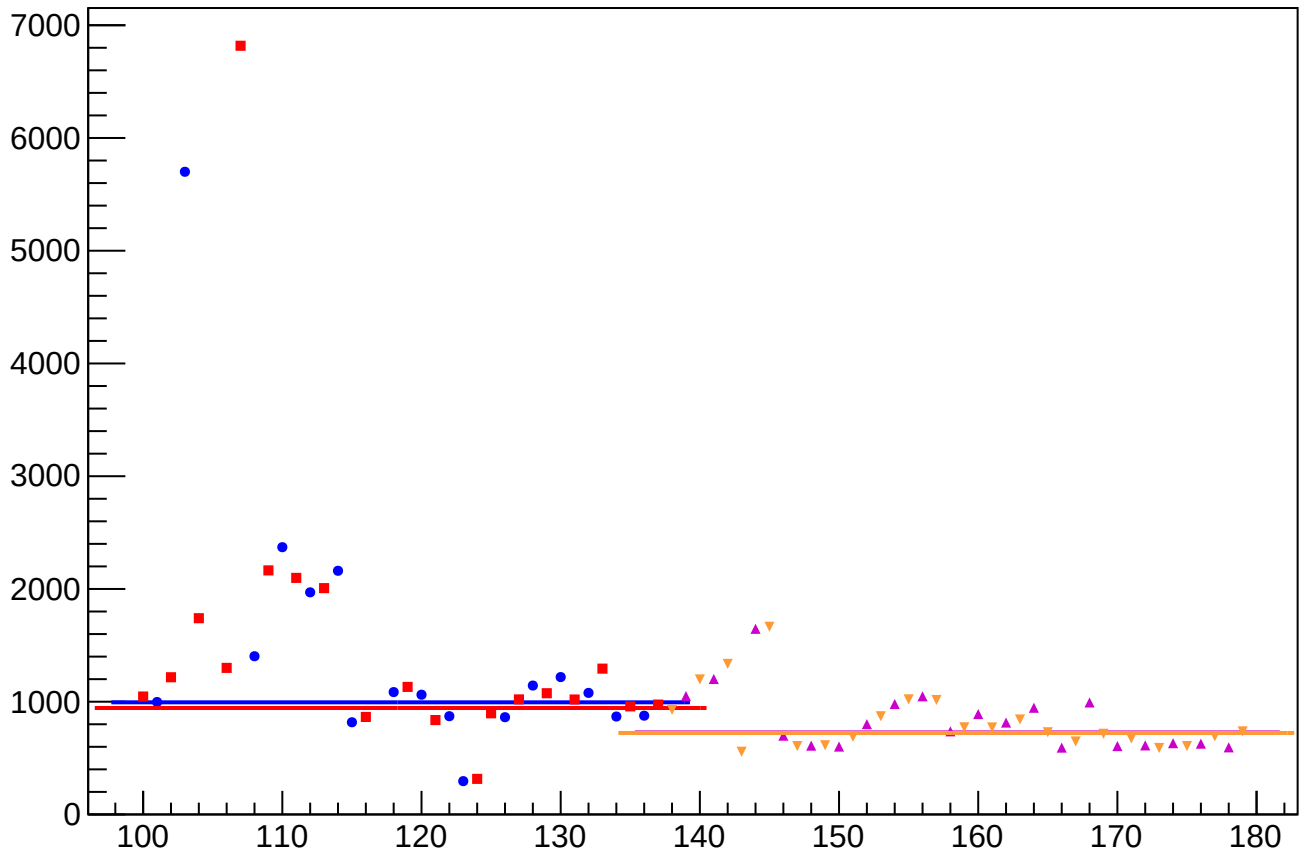
Left In: 44.245 $\pm$ 191.706 χ^2/NDF : 21.2/19

+ sign 259.394 $\pm$ 168.117 χ^2/NDF : 44.7/38

All: 187.778 $\pm$ 120.763 χ^2/NDF : 82.6/77

- sign 111.430 $\pm$ 173.582 χ^2/NDF : 37.5/38

asym_atl1_correction_rms vs Slug



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

Left Out: 722.969 ± 0.130 χ^2/NDF : 1708373.6/21

+ sign 766.465 ± 0.119 χ^2/NDF : 4314920.6/38

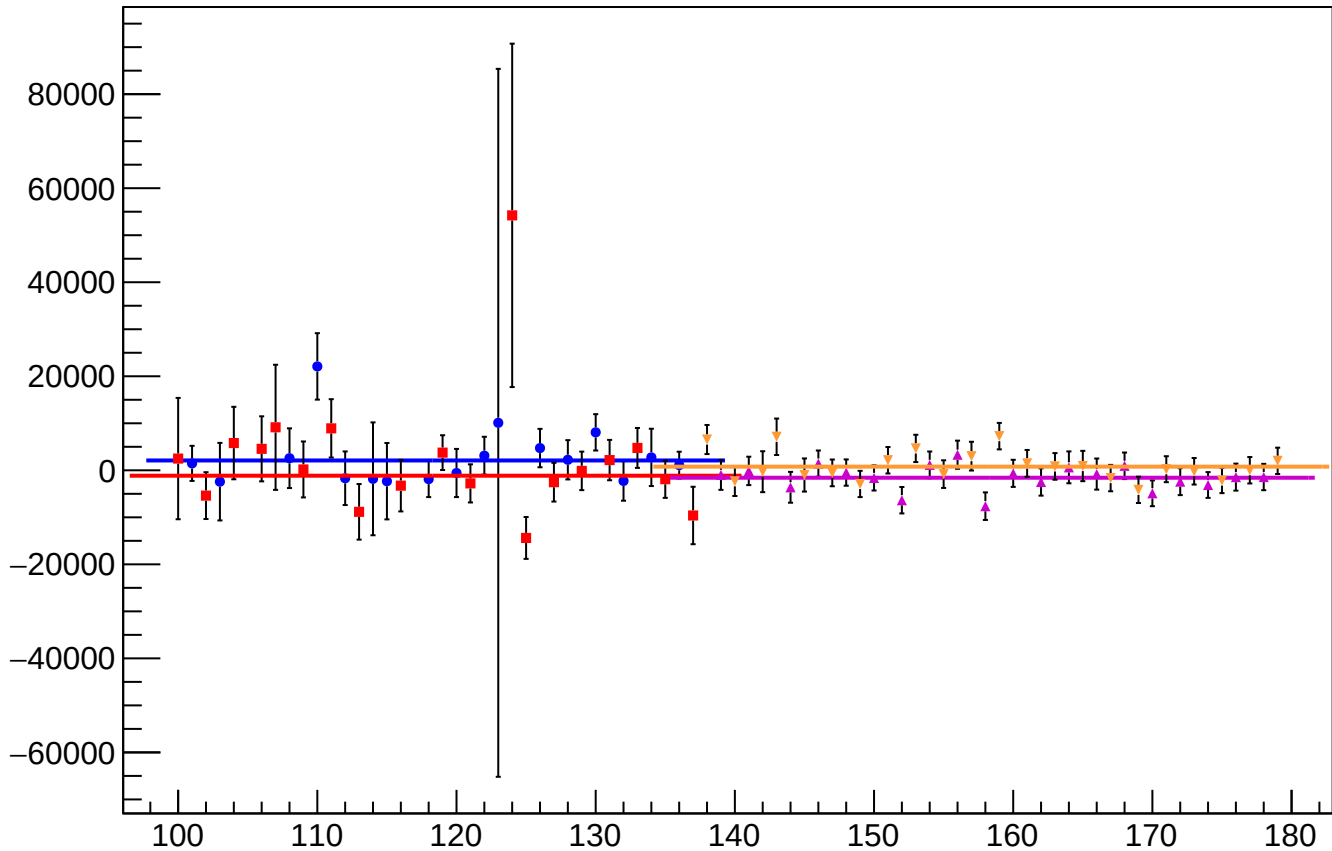
Right Out: 944.286 ± 0.289 χ^2/NDF : 2666007.0/18

All: 766.606 ± 0.085 χ^2/NDF : 9333180.2/77

- sign 766.756 ± 0.123 χ^2/NDF : 5018256.7/38

Left In: 727.748 ± 0.136 χ^2/NDF : 1892583.7/19

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

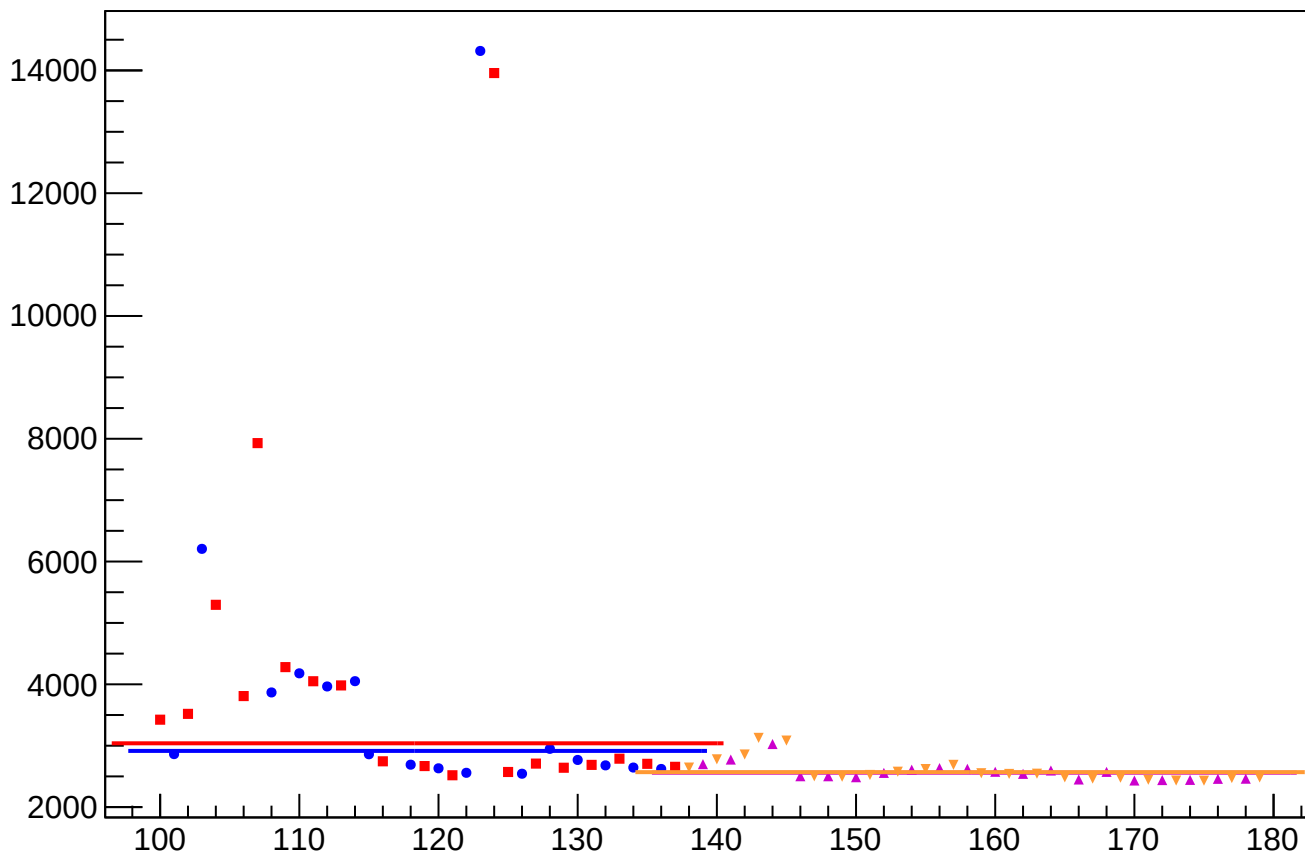
Left In: -1579.590+/-651.501 χ^2/NDF : 16.1/19

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

All: -165.137+/-398.116 χ^2/NDF : 90.4/77

- sign -1479.625+/-571.130 χ^2/NDF : 41.3/38

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

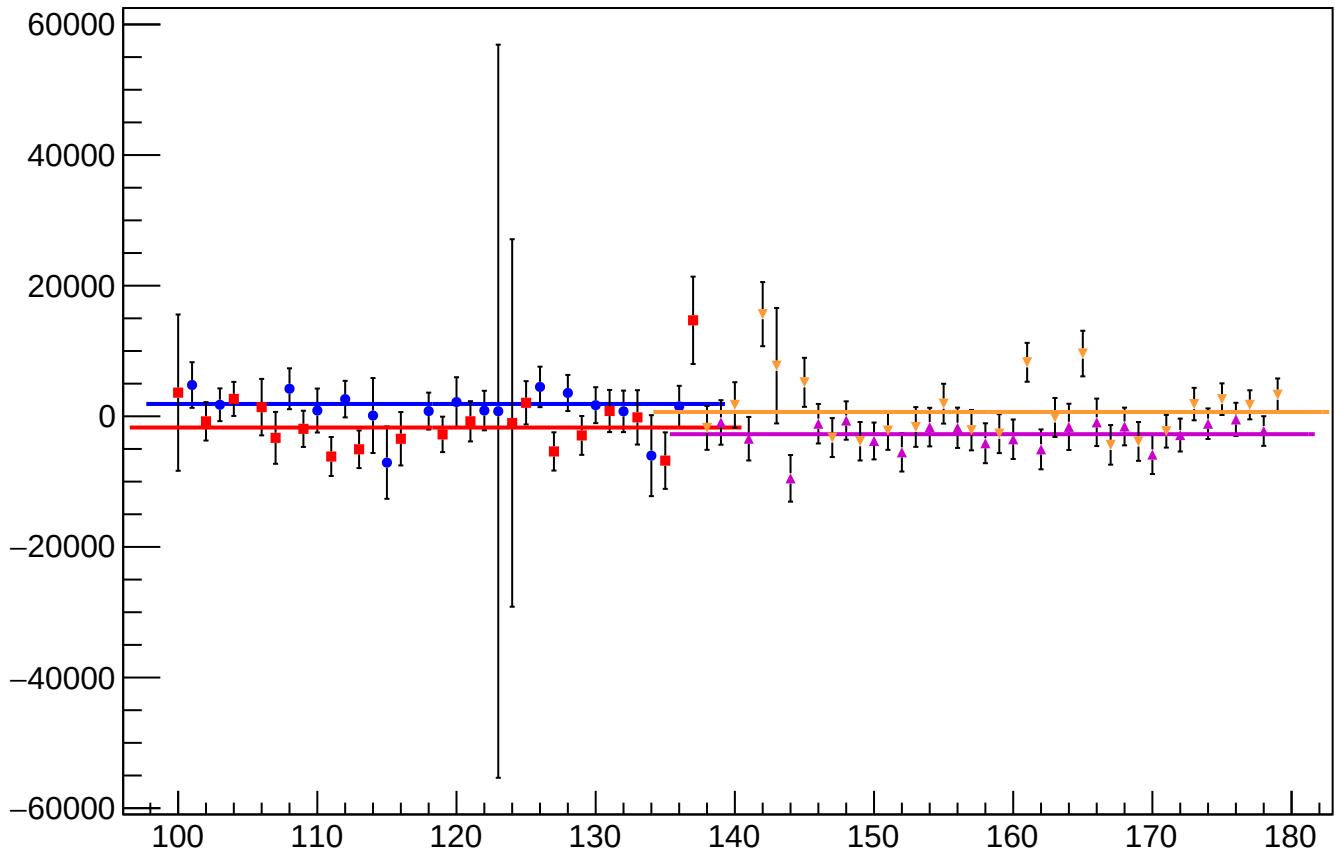
Left In: 2560.311+/-0.461 χ^2 /NDF:79418.3/19

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

All: 2659.485+/-0.282 χ^2 /NDF: 2253479.4/77

- sign 2671.162+/-0.404 χ^2 /NDF: 1340907.0/38

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

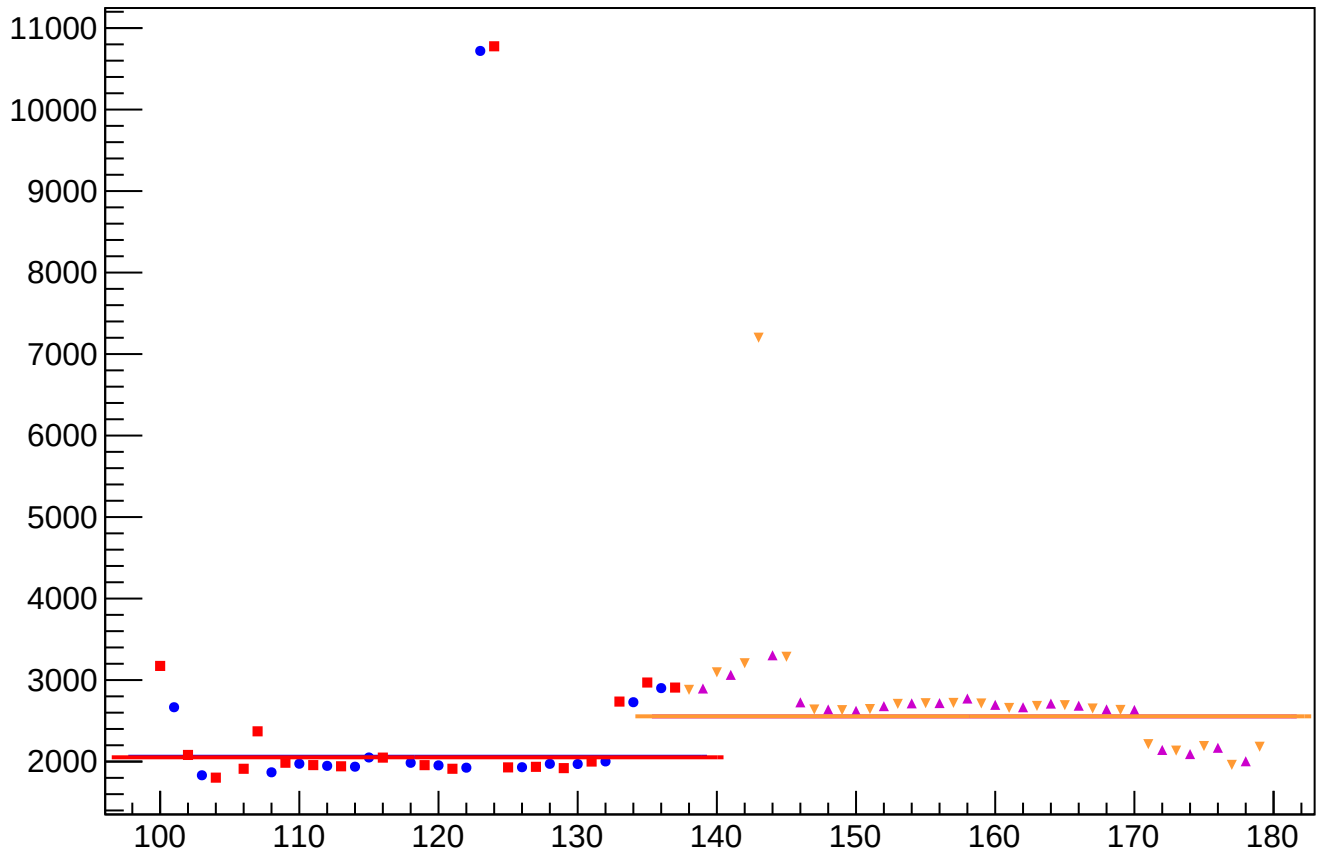
Left In: -2736.560 $\pm$ 653.613 χ^2 /NDF:9.7/19

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

All: -589.395 $\pm$ 355.363 χ^2 /NDF: 103.7/77

- sign -2323.186 $\pm$ 503.625 χ^2 /NDF: 29.7/38

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

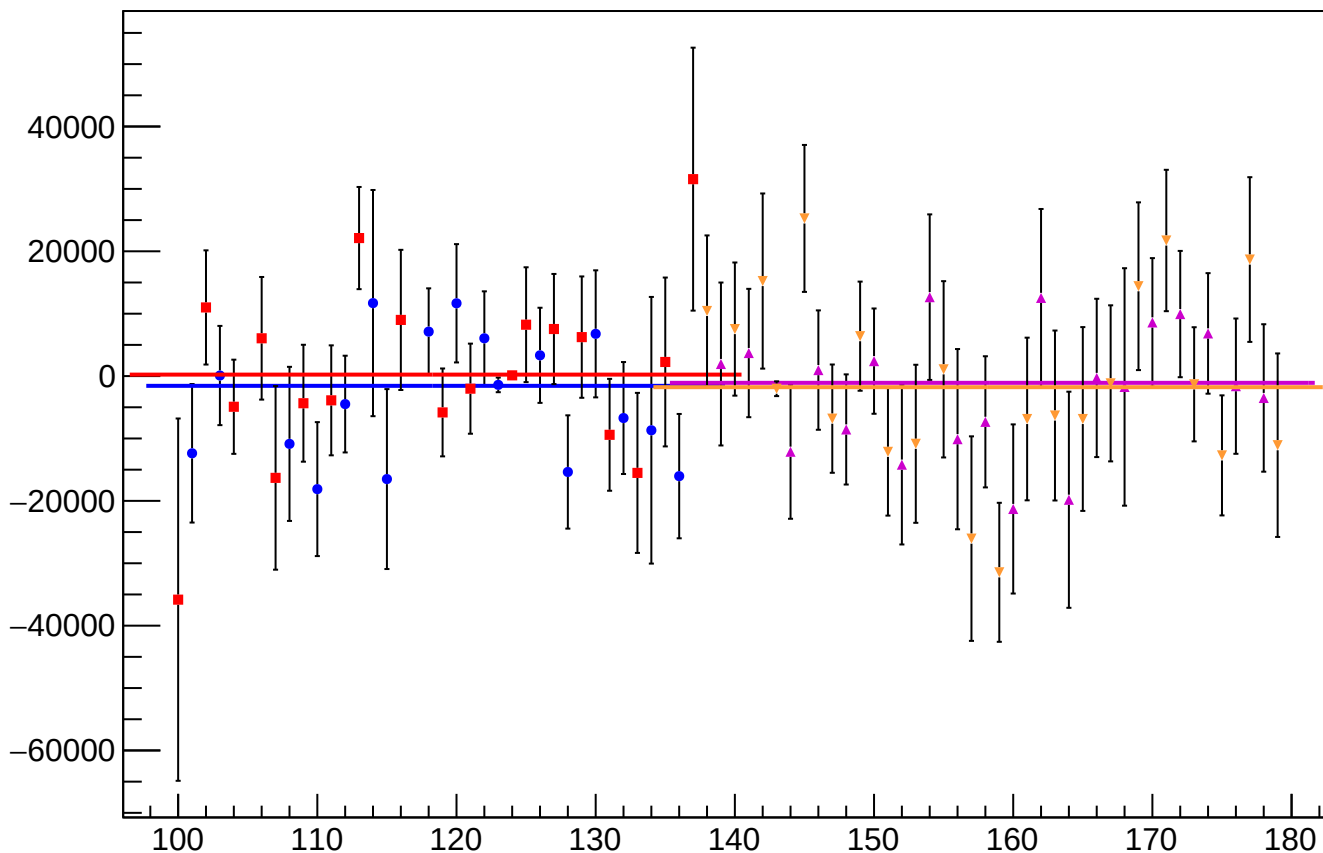
Left In: 2553.821+/-0.462 χ^2/NDF : 501676.3/19

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

All: 2357.841+/-0.251 χ^2/NDF : 3302913.9/77

- sign 2350.039+/-0.356 χ^2/NDF : 1423493.3/38

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

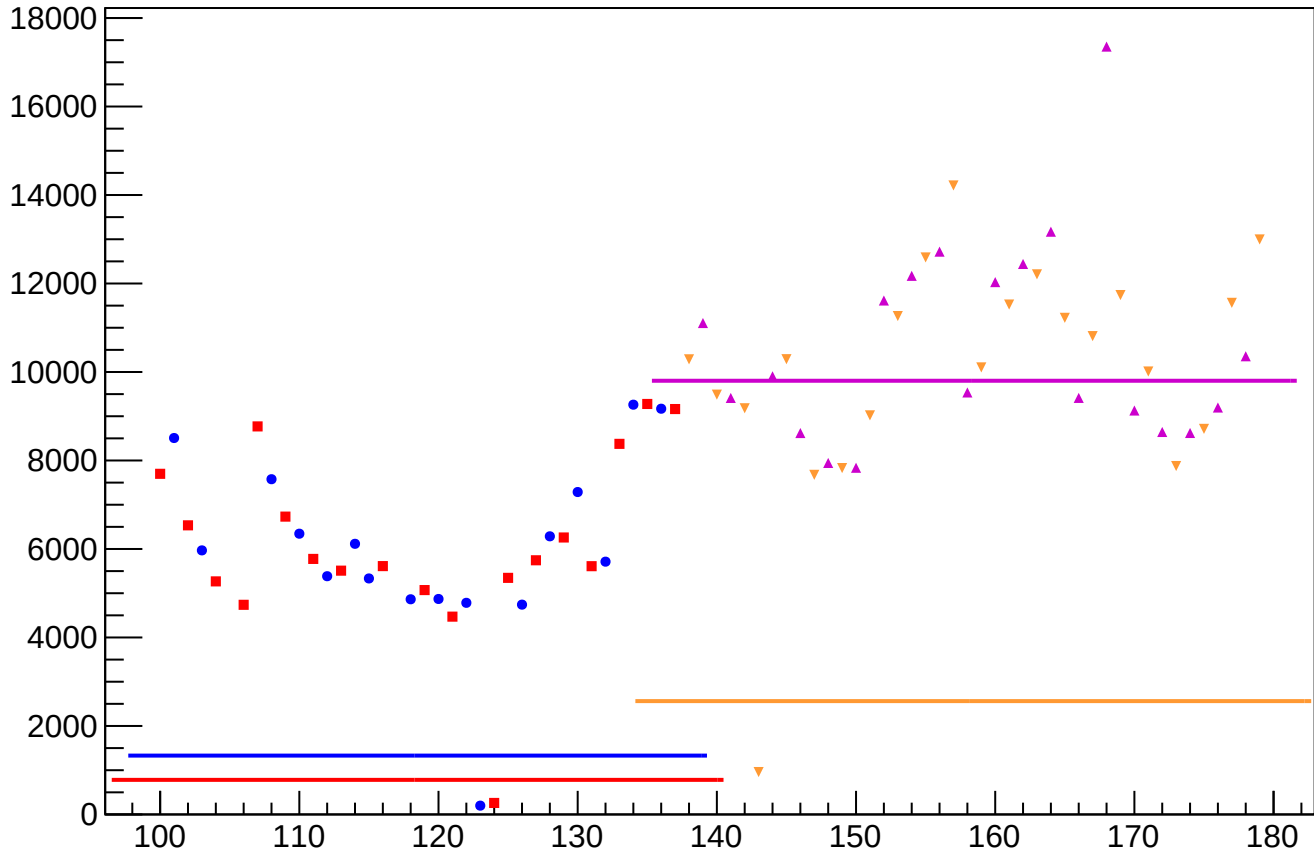
Left In: -1081.661+/-2534.600 χ^2/NDF : 12.2/19

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

All: -659.605+/-500.266 χ^2/NDF : 83.6/77

- sign 143.998+/-670.409 χ^2/NDF : 33.3/38

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

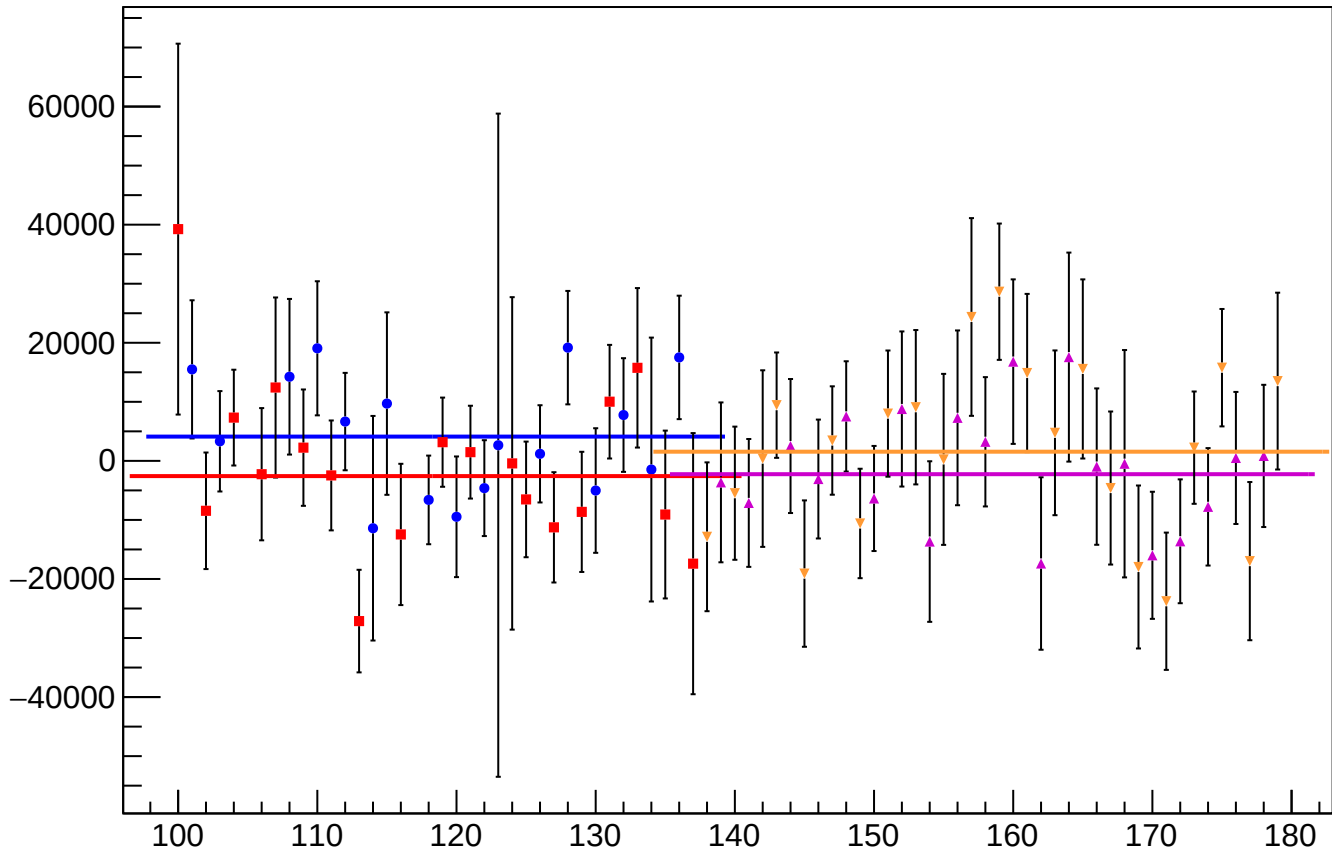
Left In: 9802.021+/-1.792 χ^2/NDF : 1028068.9/19

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

All: 1644.575+/-0.354 χ^2/NDF : 69427263.8/7

- sign 1412.915+/-0.474 χ^2/NDF : 36026149.5/38

asym_atl2_mean vs Slug



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

Left Out: 1554.745+/-2527.321 χ^2/NDF : 28.6/21

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

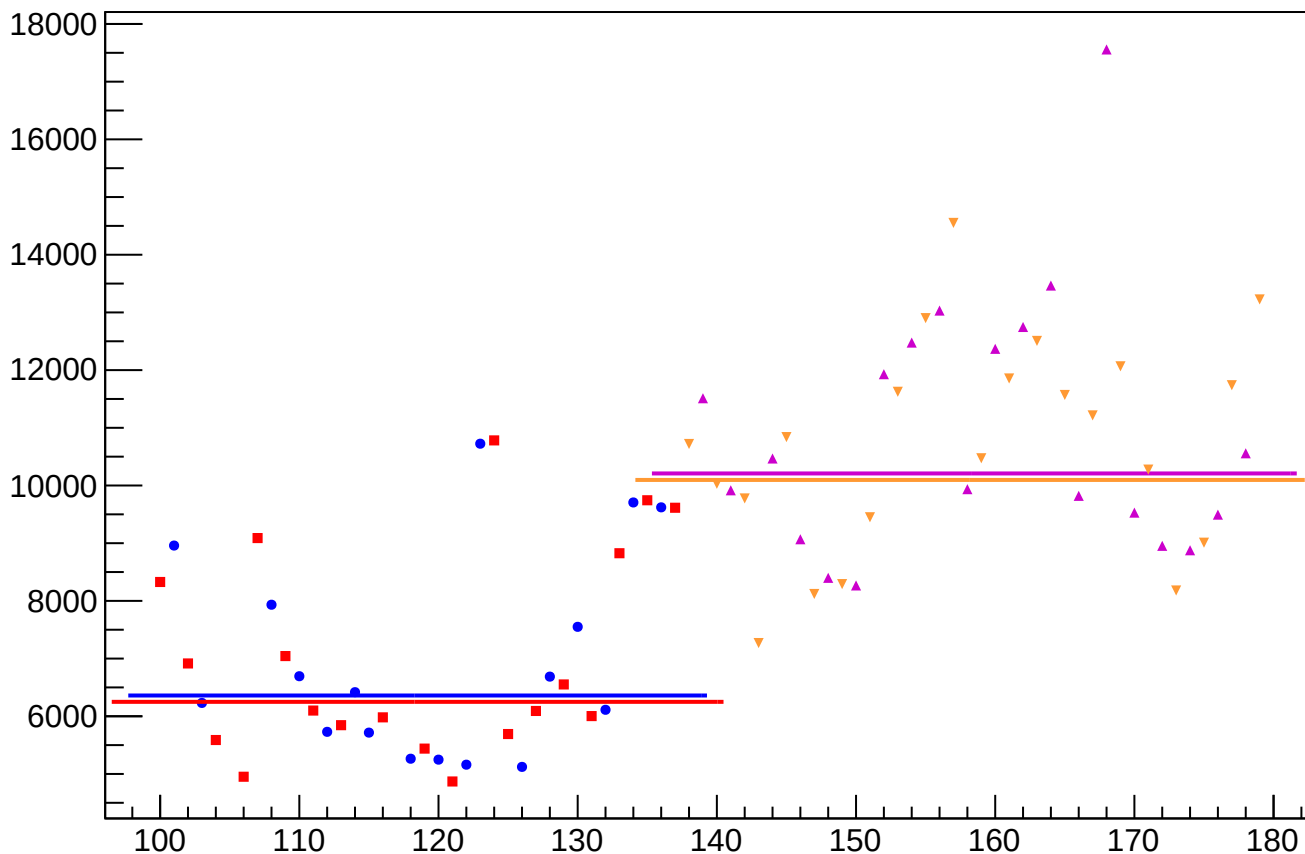
Left In: -2254.635+/-2635.226 χ^2/NDF : 11.2/19

+ sign 2829.666+/-1789.599 χ^2/NDF : 43.4/38

All: 189.634+/-1262.966 χ^2/NDF : 78.9/77

- sign -2429.876+/-1782.630 χ^2/NDF : 31.2/38

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

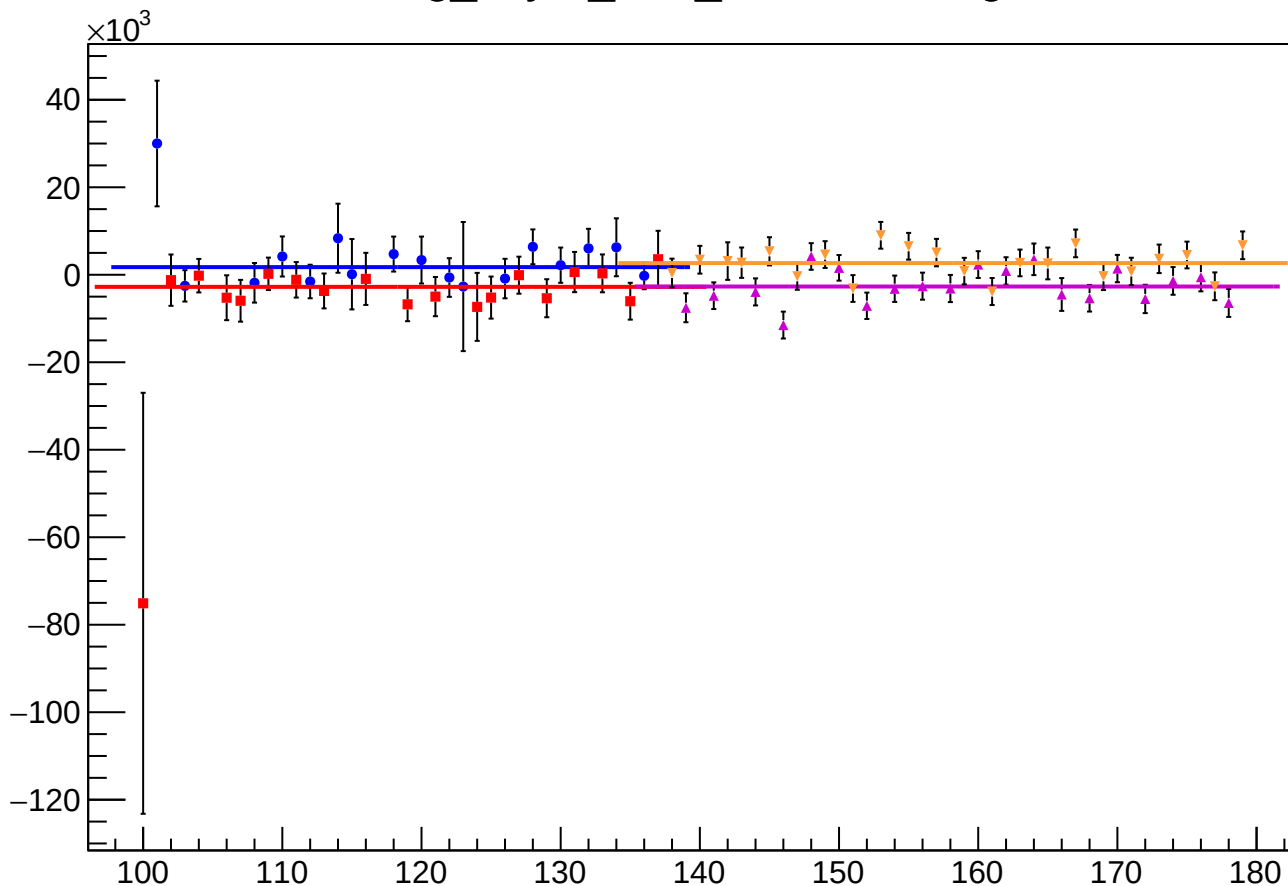
Left In: 10208.980+/-1.863 χ^2/NDF : 932734.6/19

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

All: 8147.150+/-0.893 χ^2/NDF : 7711237.2/77

- sign 8061.568+/-1.260 χ^2/NDF : 3914131.5/38

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

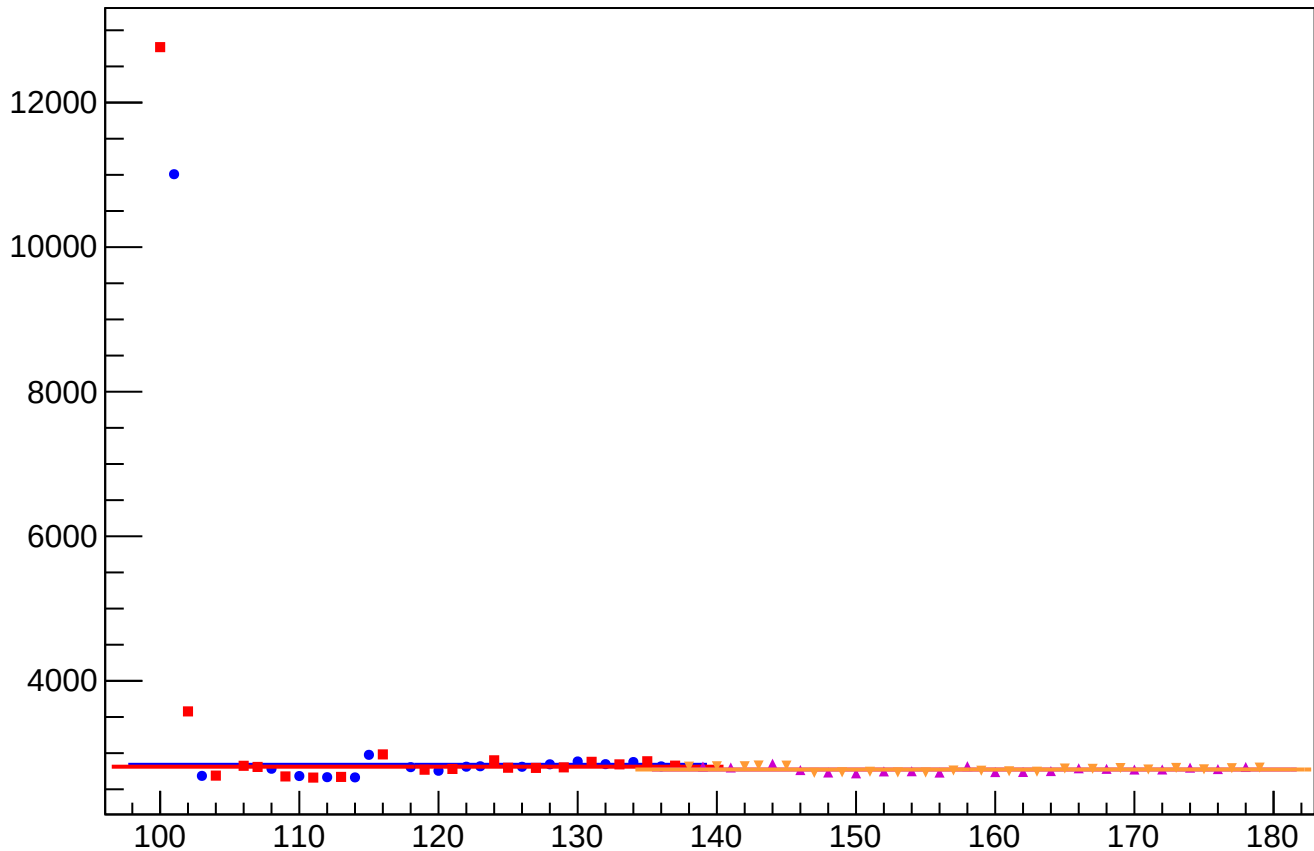
Left In: -2688.416 $\pm$ 703.923 χ^2 /NDF:32.9/19

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

All: -118.973 $\pm$ 414.111 χ^2 /NDF: 119.4/77

- sign -2711.148 $\pm$ 588.398 χ^2 /NDF: 42.6/38

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

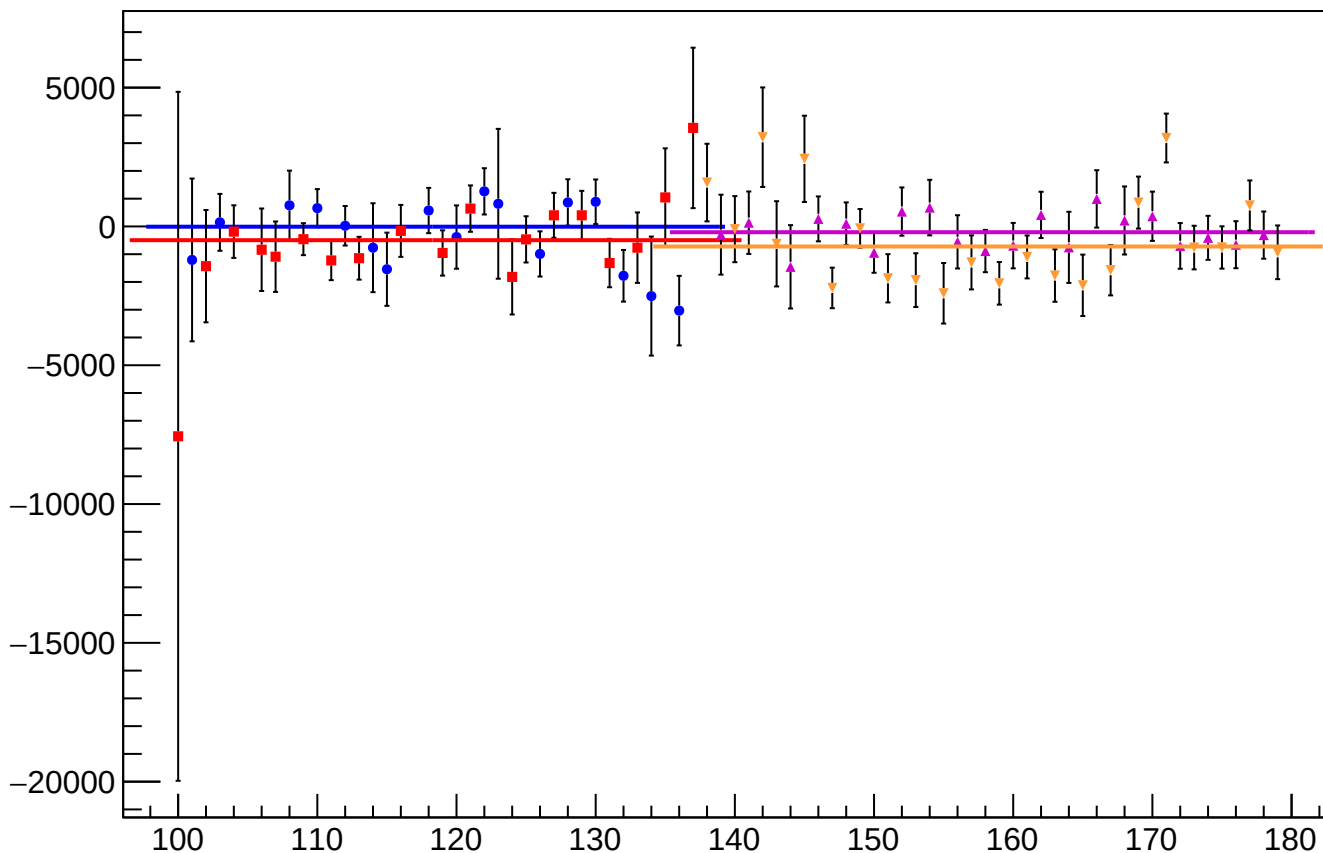
Left In: 2773.174 $\pm$ 0.498 χ^2 /NDF: 4985.1/19

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

All: 2788.134 $\pm$ 0.293 χ^2 /NDF: 809664.5/77

- sign 2785.061 $\pm$ 0.416 χ^2 /NDF: 139942.1/38

asym_atr1_correction_mean vs Slug



Right In: -9.845 ± 241.678 $\chi^2/\text{NDF}: 20.7/16$

Left Out: -721.992 ± 199.236 $\chi^2/\text{NDF}: 55.3/21$

Right Out: -495.250 ± 221.487 $\chi^2/\text{NDF}: 11.9/18$

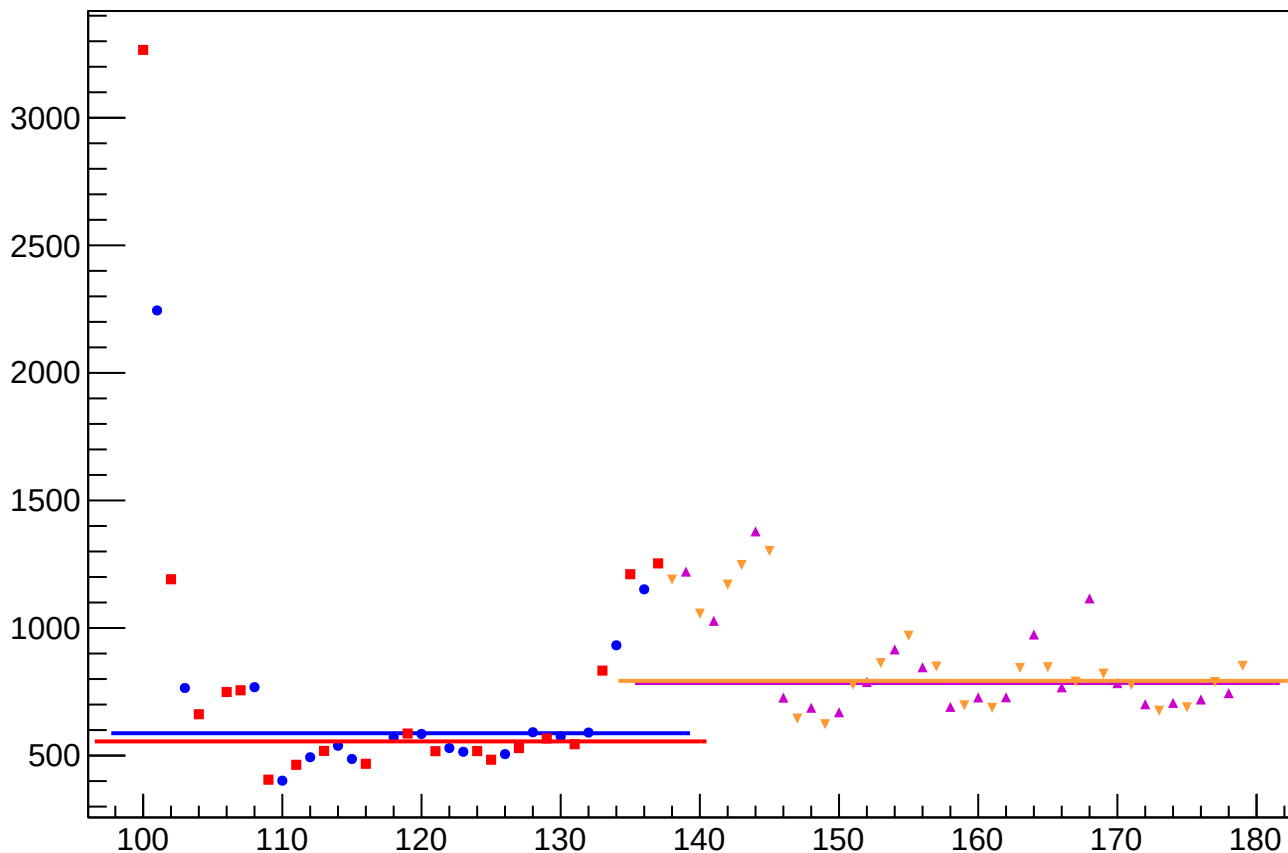
Left In: -208.208 ± 203.046 $\chi^2/\text{NDF}: 8.5/19$

+ sign -433.840 ± 153.732 $\chi^2/\text{NDF}: 81.2/38$

All: -385.297 ± 107.240 $\chi^2/\text{NDF}: 102.7/77$

- sign -339.284 ± 149.671 $\chi^2/\text{NDF}: 21.3/38$

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 $\chi^2/\text{NDF}: 1106760.5/18$

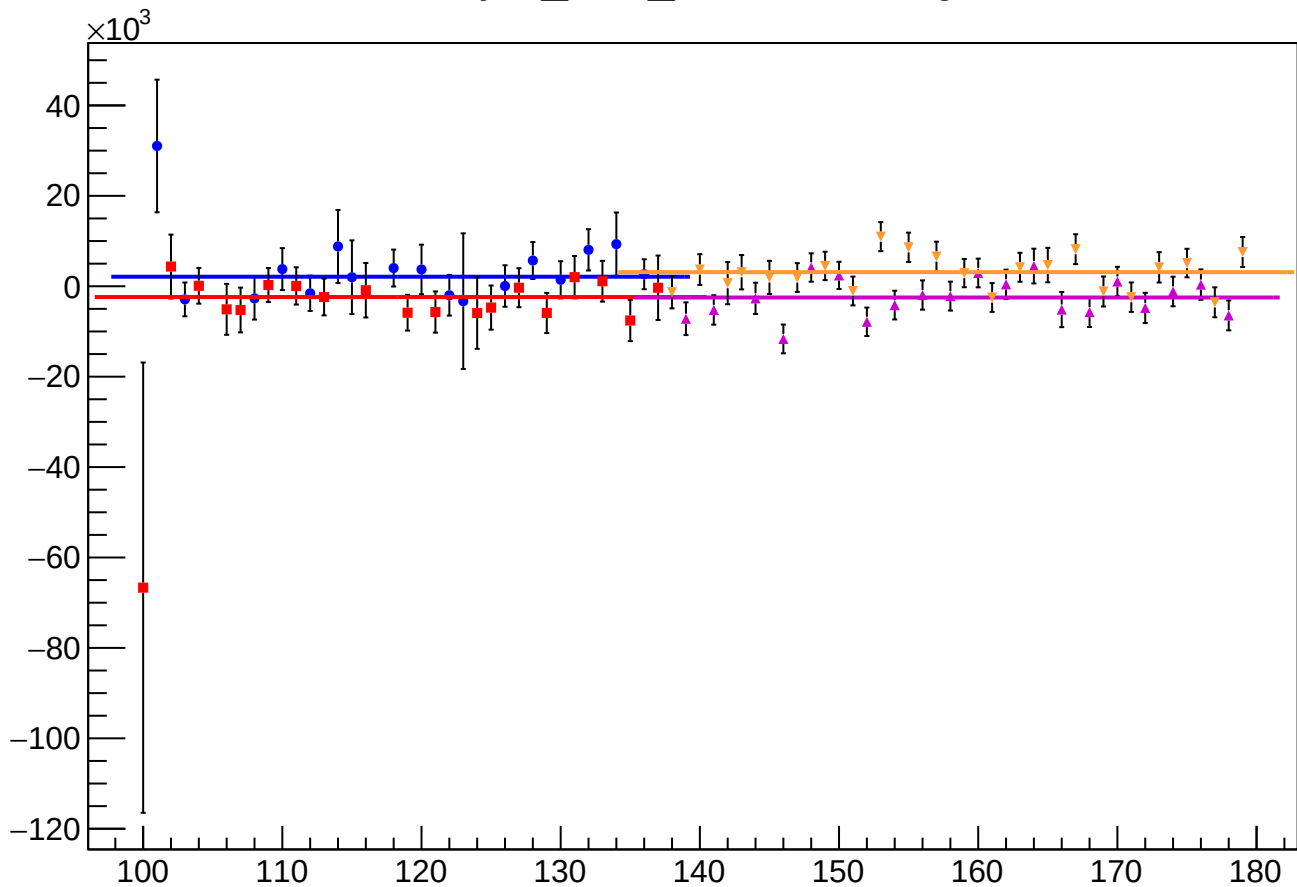
Left In: 784.611 ± 0.144 $\chi^2/\text{NDF}: 1022064.2/19$

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

All: 694.522 ± 0.076 $\chi^2/\text{NDF}: 6795185.9/77$

- sign 680.005 ± 0.106 $\chi^2/\text{NDF}: 3291299.2/38$

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

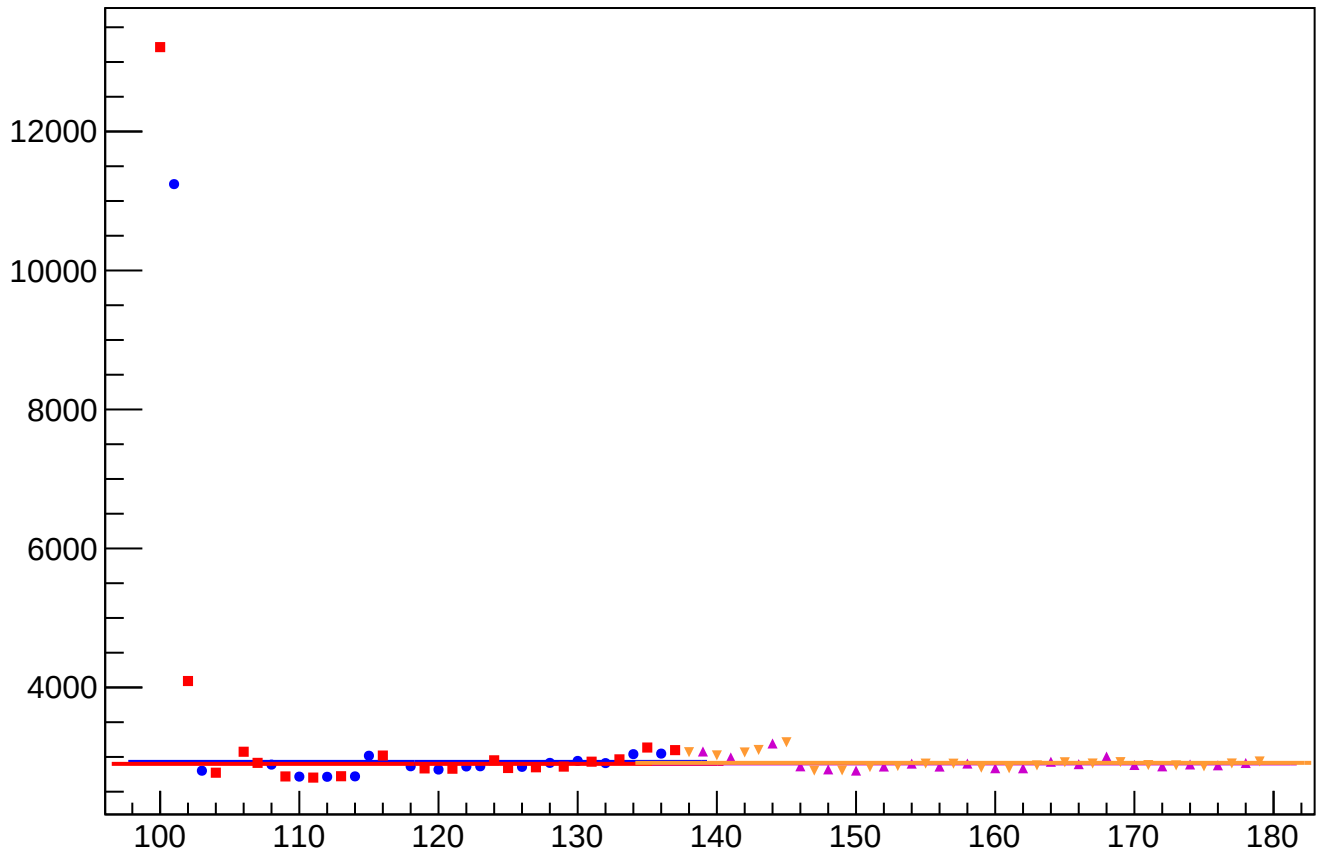
Left In: -2487.719 $\pm$ 738.089 χ^2 /NDF:33.4/19

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

All: 213.323 $\pm$ 432.895 χ^2 /NDF: 125.4/77

- sign -2456.497 $\pm$ 614.657 χ^2 /NDF: 43.3/38

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

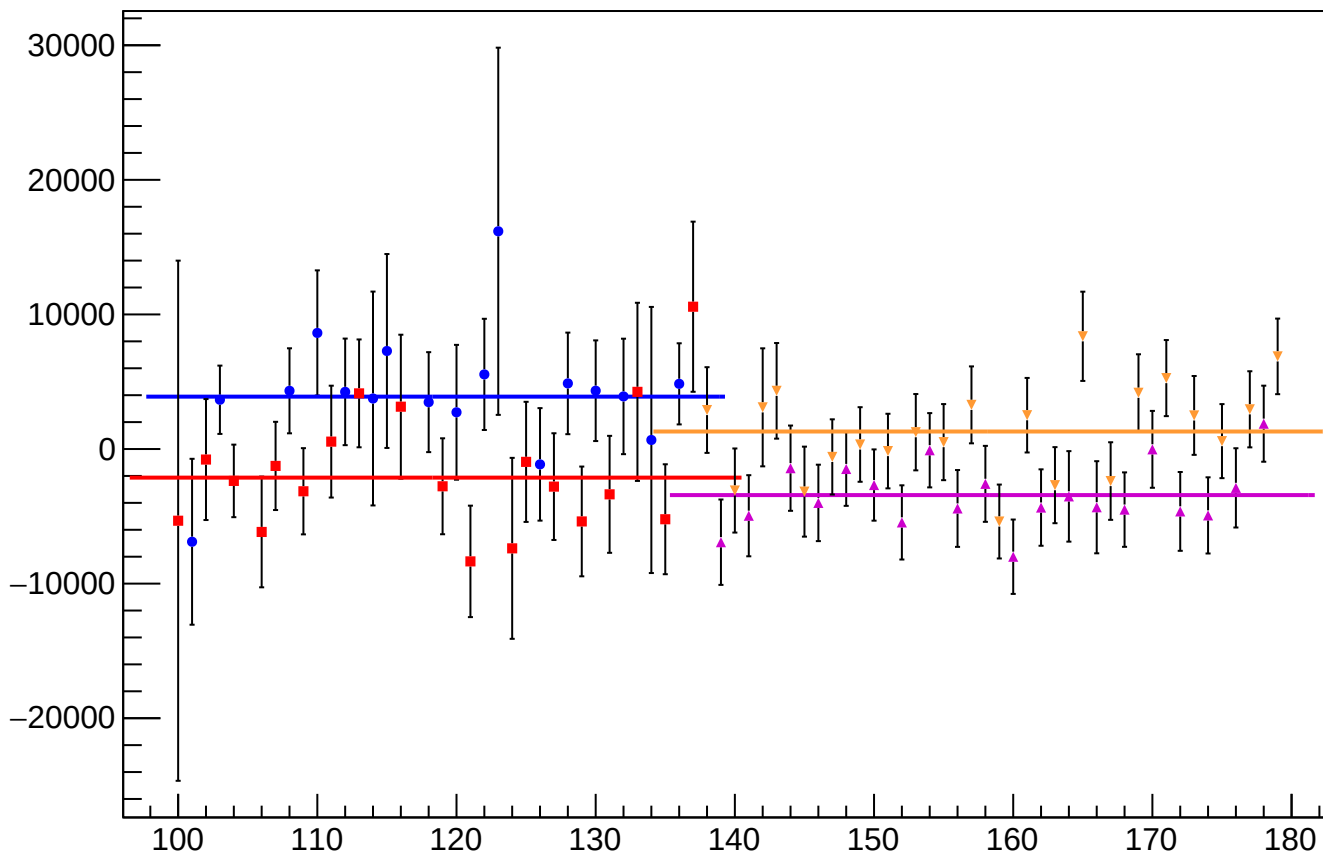
Left In: 2906.658 $\pm$ 0.522 χ^2 /NDF: 28967.4/19

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

All: 2911.788 $\pm$ 0.306 χ^2 /NDF: 896952.5/77

- sign 2904.762 $\pm$ 0.435 χ^2 /NDF: 198731.1/38

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

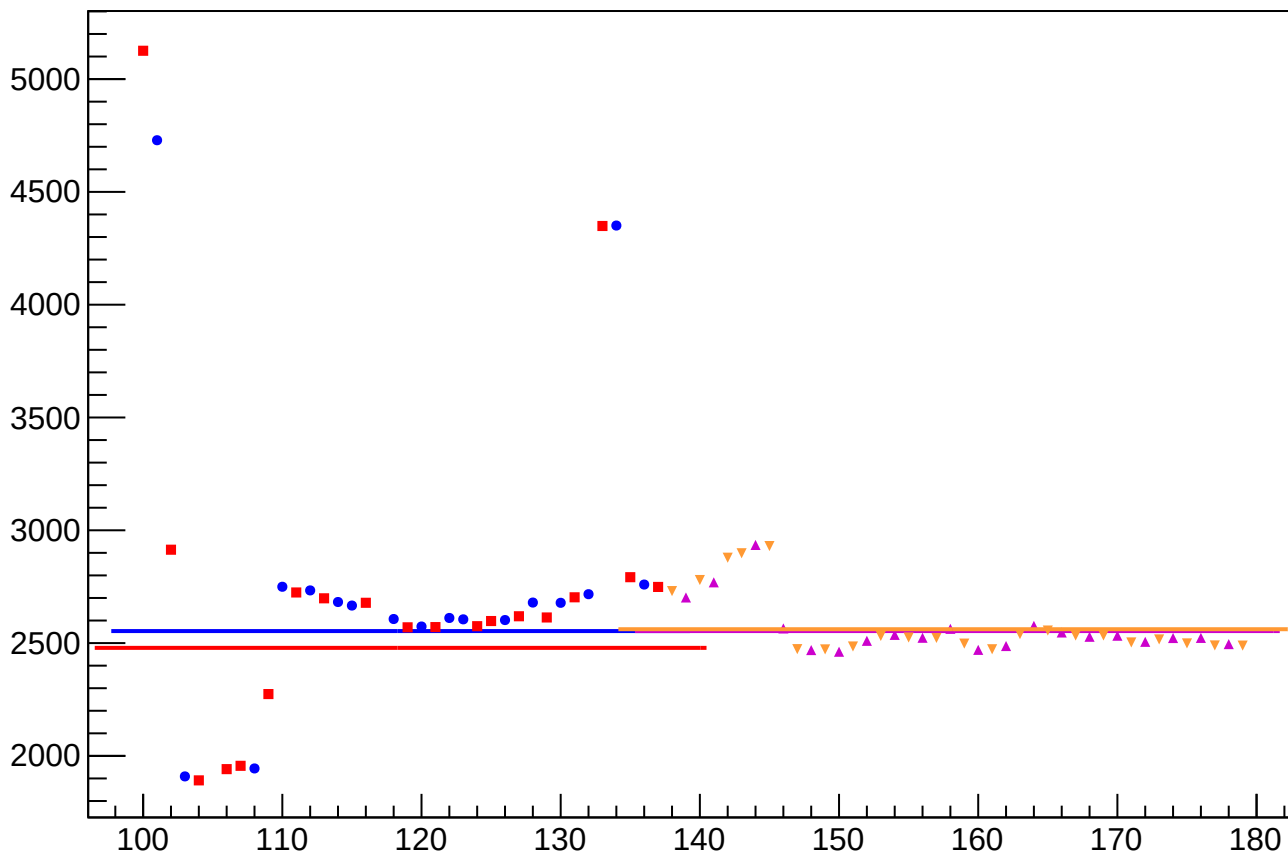
Left In: -3422.423+/-647.580 χ^2/NDF : 13.2/19

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

All: -483.729+/-378.499 χ^2/NDF : 113.1/77

- sign -3015.664+/-536.578 χ^2/NDF : 28.8/38

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

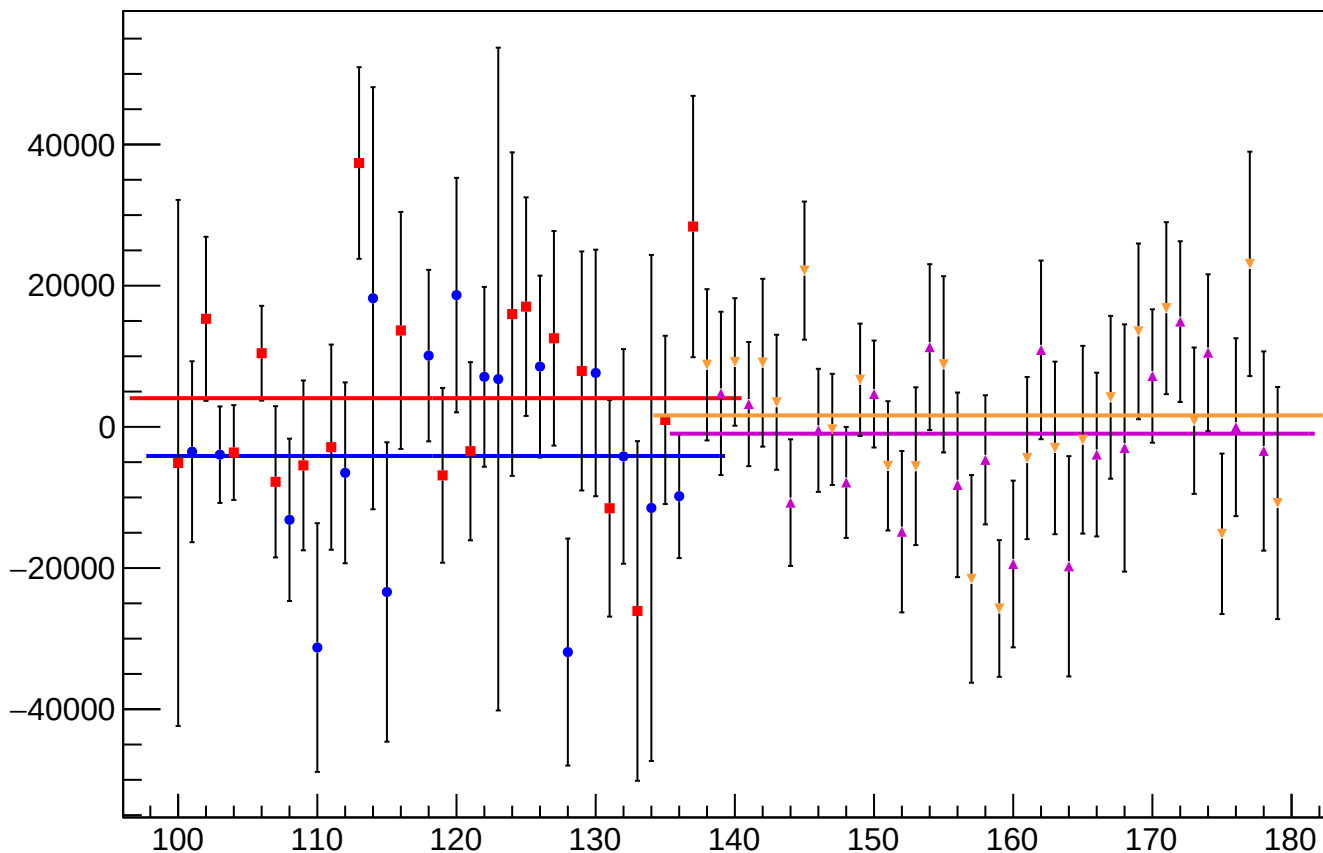
Left In: 2553.286+/-0.458 χ^2/NDF : 53949.4/19

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

All: 2544.653+/-0.268 χ^2/NDF : 1143323.3/77

- sign 2529.958+/-0.379 χ^2/NDF : 511732.3/38

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 $\chi^2/\text{NDF}: 18.5/18$

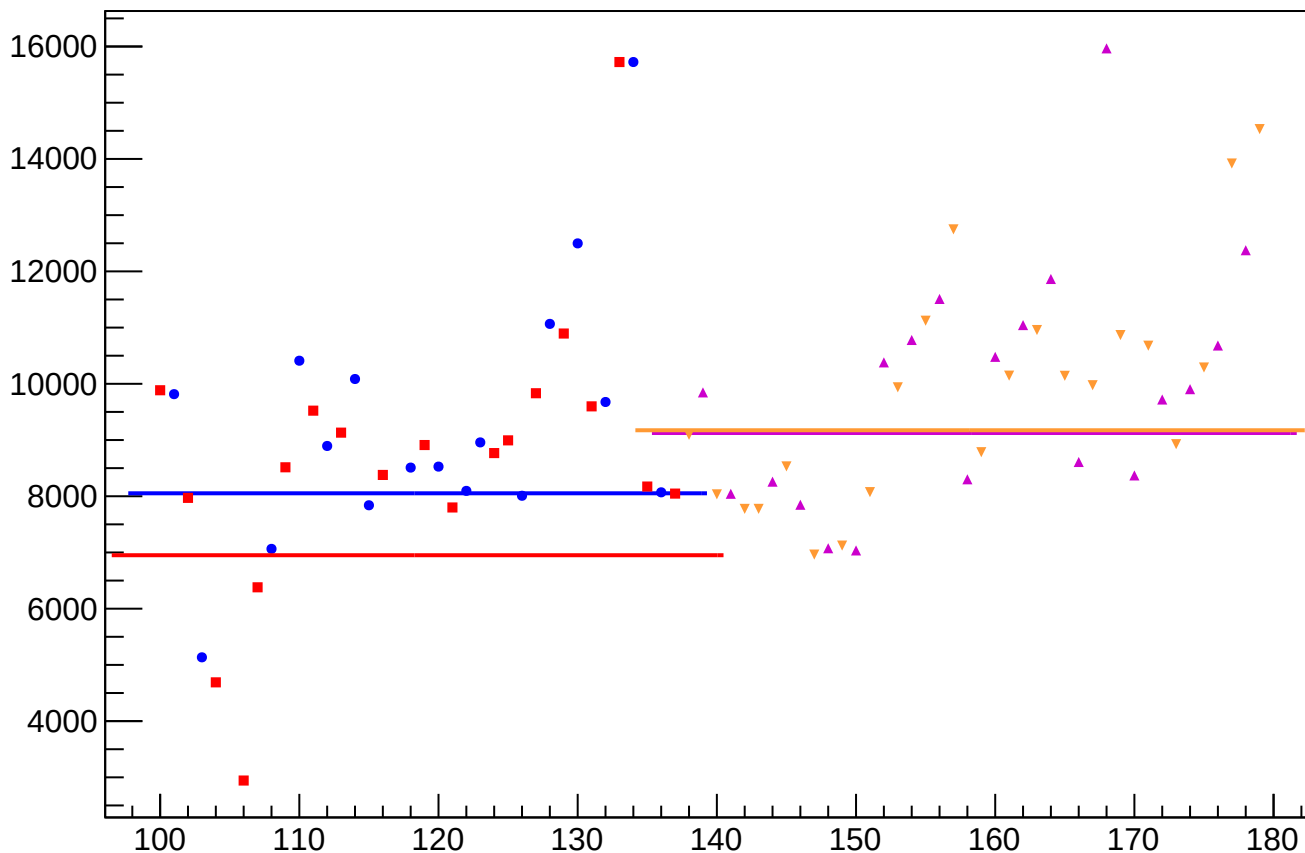
Left In: -963.525 ± 2364.423 $\chi^2/\text{NDF}: 14.7/19$

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

All: 412.644 ± 1304.423 $\chi^2/\text{NDF}: 76.6/77$

- sign 1097.987 ± 1815.617 $\chi^2/\text{NDF}: 35.0/38$

asym_atr2_correction_rms vs Slug



Right In: 8052.552 $\pm$ 2.282 χ^2 /NDF: 790724.2/16

Left Out: 9173.670 $\pm$ 1.629 χ^2 /NDF: 1165736.1/21

Right Out: 6950.943 $\pm$ 2.004 χ^2 /NDF: 1776578.9/18

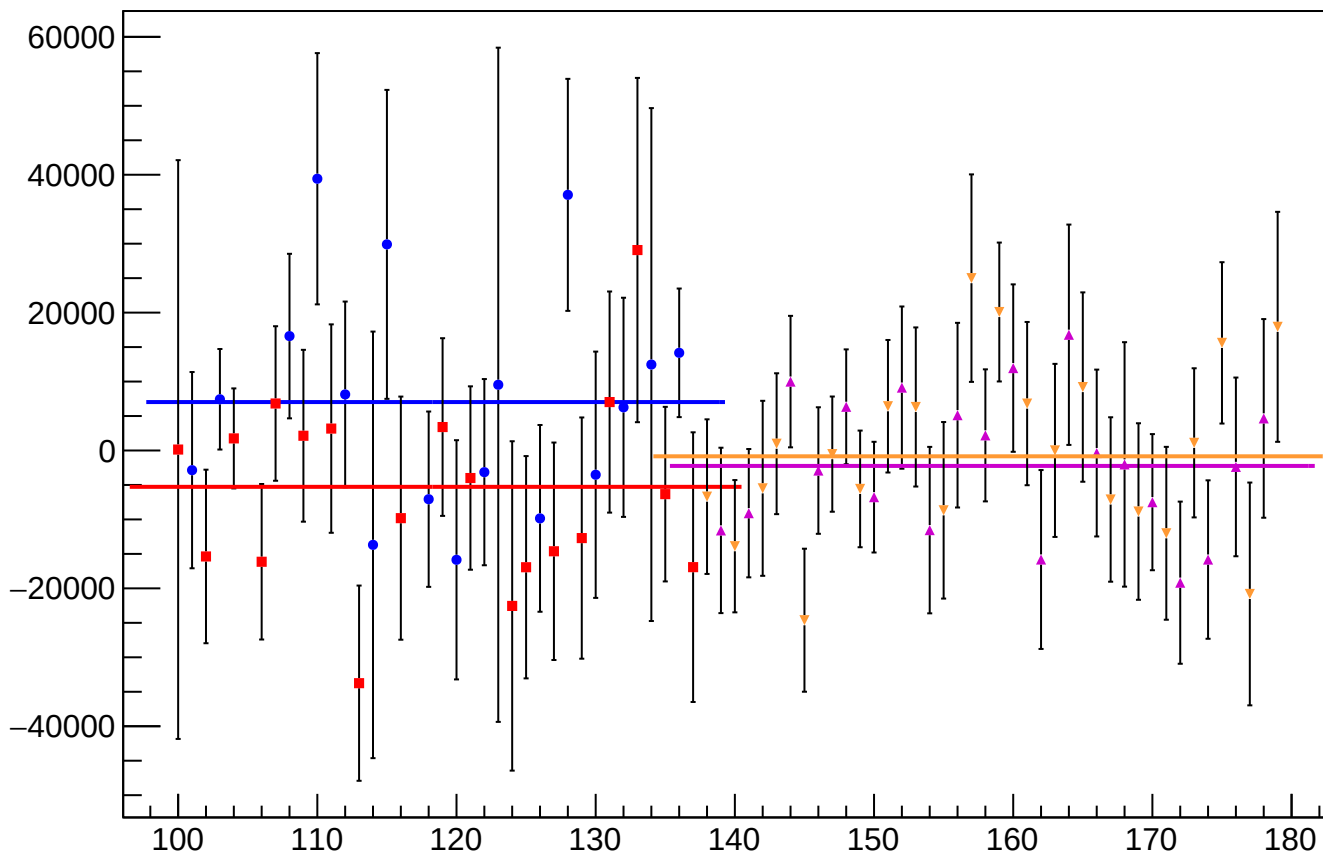
Left In: 9125.315 $\pm$ 1.672 χ^2 /NDF: 1142173.8/19

+ sign 8795.070 $\pm$ 1.326 χ^2 /NDF: 2116334.6/38

All: 8504.987 $\pm$ 0.922 χ^2 /NDF: 5821860.2/77

- sign 8233.073 $\pm$ 1.284 χ^2 /NDF: 3612811.2/38

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

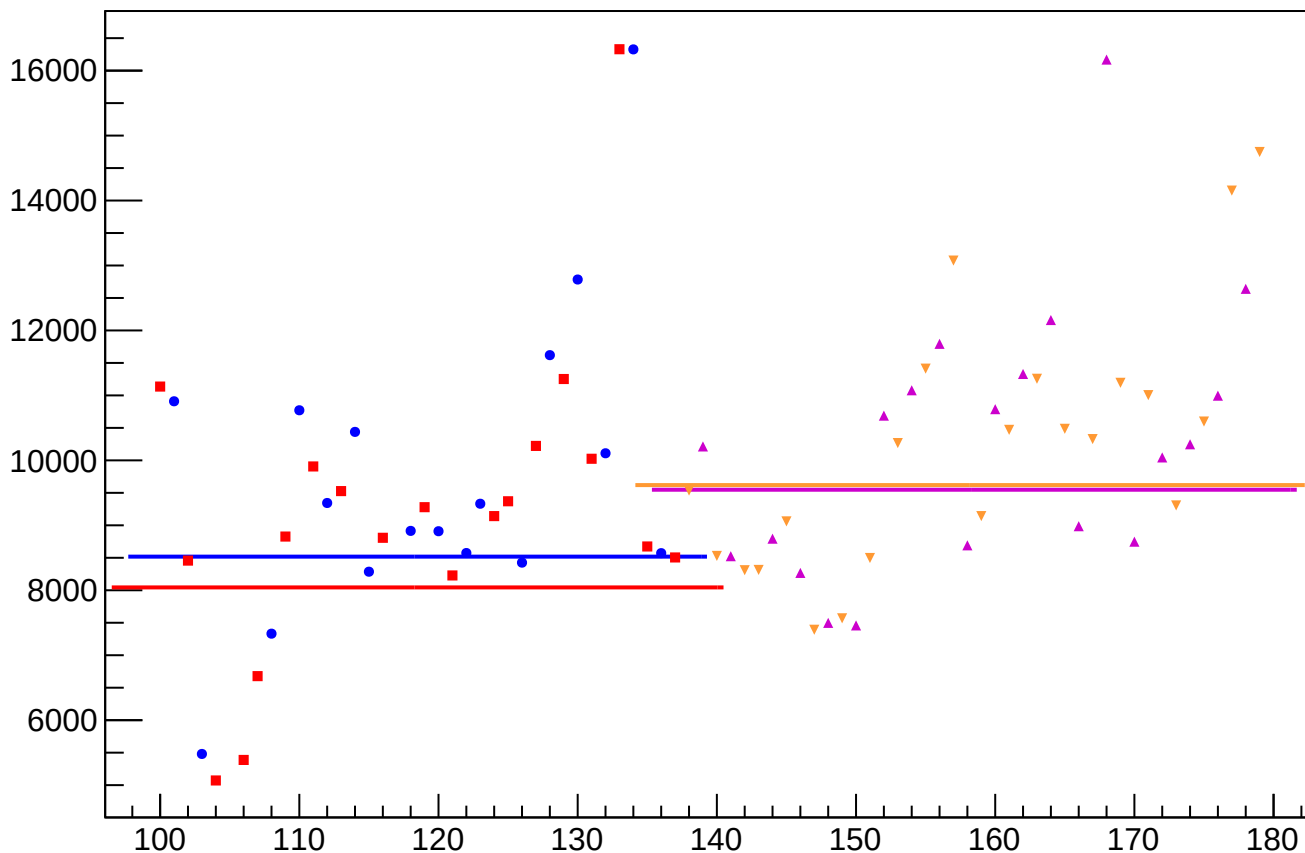
Left In: -2238.403+/-2466.892 χ^2/NDF : 14.1/19

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

All: -830.924+/-1383.561 χ^2/NDF : 73.8/77

- sign -3383.342+/-1946.431 χ^2/NDF : 28.0/38

asym_atr2_rms vs Slug



Right In: 8517.886 $\pm$ 2.411 χ^2 /NDF: 763281.4/16

Left Out: 9619.357 $\pm$ 1.703 χ^2 /NDF: 1004181.1/21

Right Out: 8043.998 $\pm$ 2.240 χ^2 /NDF: 952125.8/18

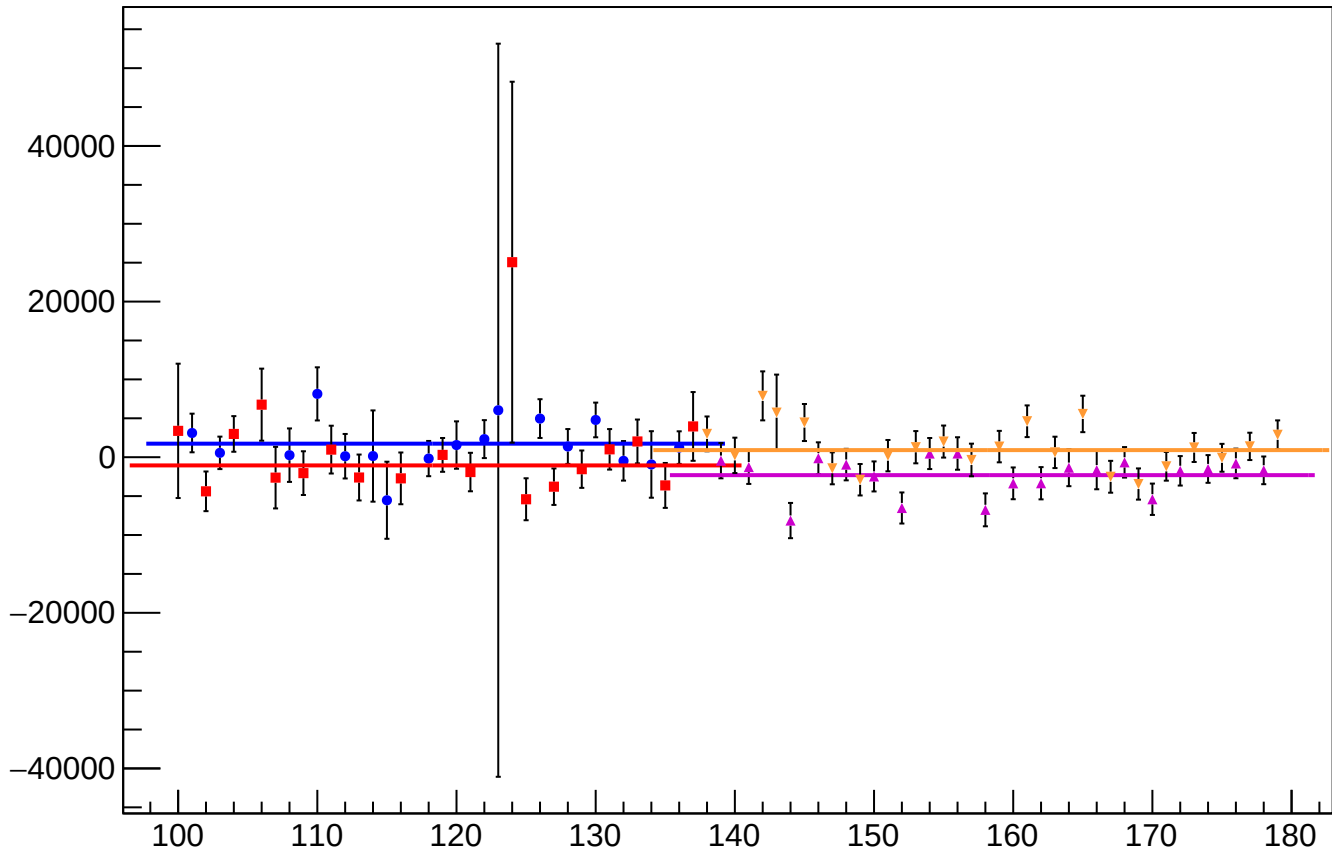
Left In: 9547.782 $\pm$ 1.744 χ^2 /NDF: 998049.7/19

+ sign 9252.735 $\pm$ 1.391 χ^2 /NDF: 1906721.1/38

All: 9115.011 $\pm$ 0.978 χ^2 /NDF: 4156827.5/77

- sign 8980.161 $\pm$ 1.376 χ^2 /NDF: 2230701.9/38

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

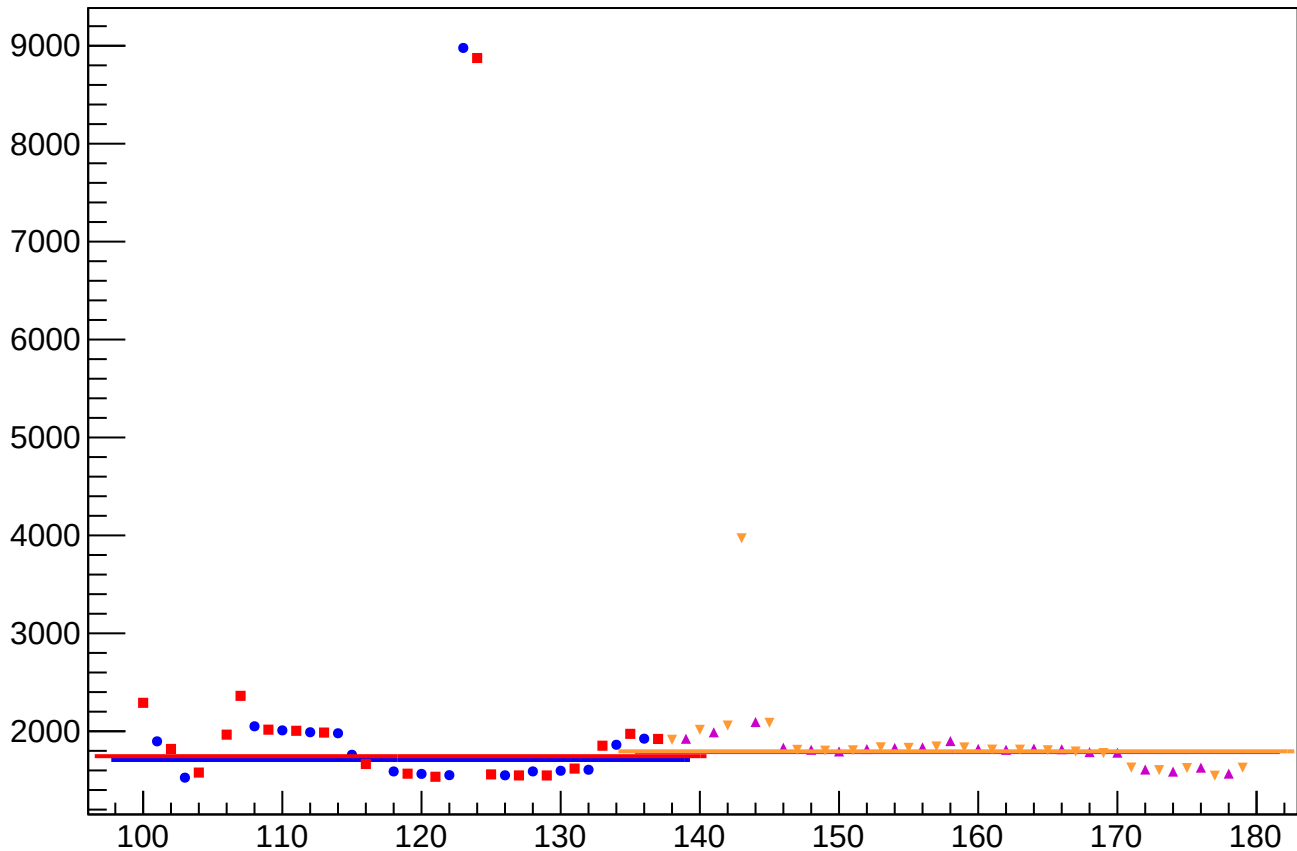
Left In: -2306.152 ± 455.656 χ^2/NDF : 26.6/19

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

All: -347.966 ± 264.325 χ^2/NDF : 127.6/77

- sign -1911.458 ± 376.954 χ^2/NDF : 47.9/38

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

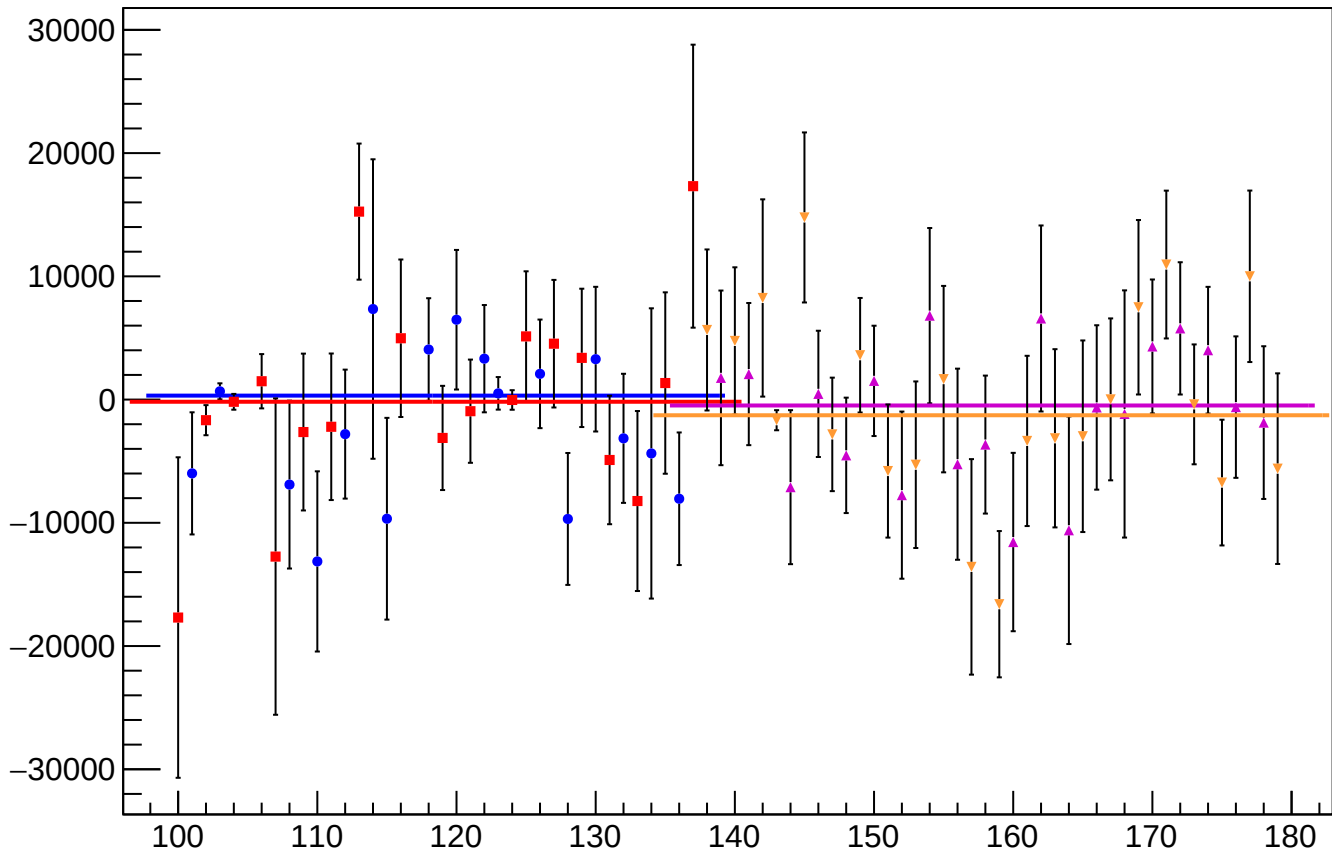
Left In: 1787.392+/-0.322 χ^2/NDF : 159561.0/19

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

All: 1771.048+/-0.187 χ^2/NDF : 1366935.0/77

- sign 1774.069+/-0.266 χ^2/NDF : 564758.0/38

asym_atl_avg_correction_mean vs Slug



Right In: 320.899 ± 540.384 χ^2/NDF : 18.0/16

Left Out: -1272.832 ± 698.619 χ^2/NDF : 30.3/21

Right Out: -176.640 ± 433.552 χ^2/NDF : 20.8/18

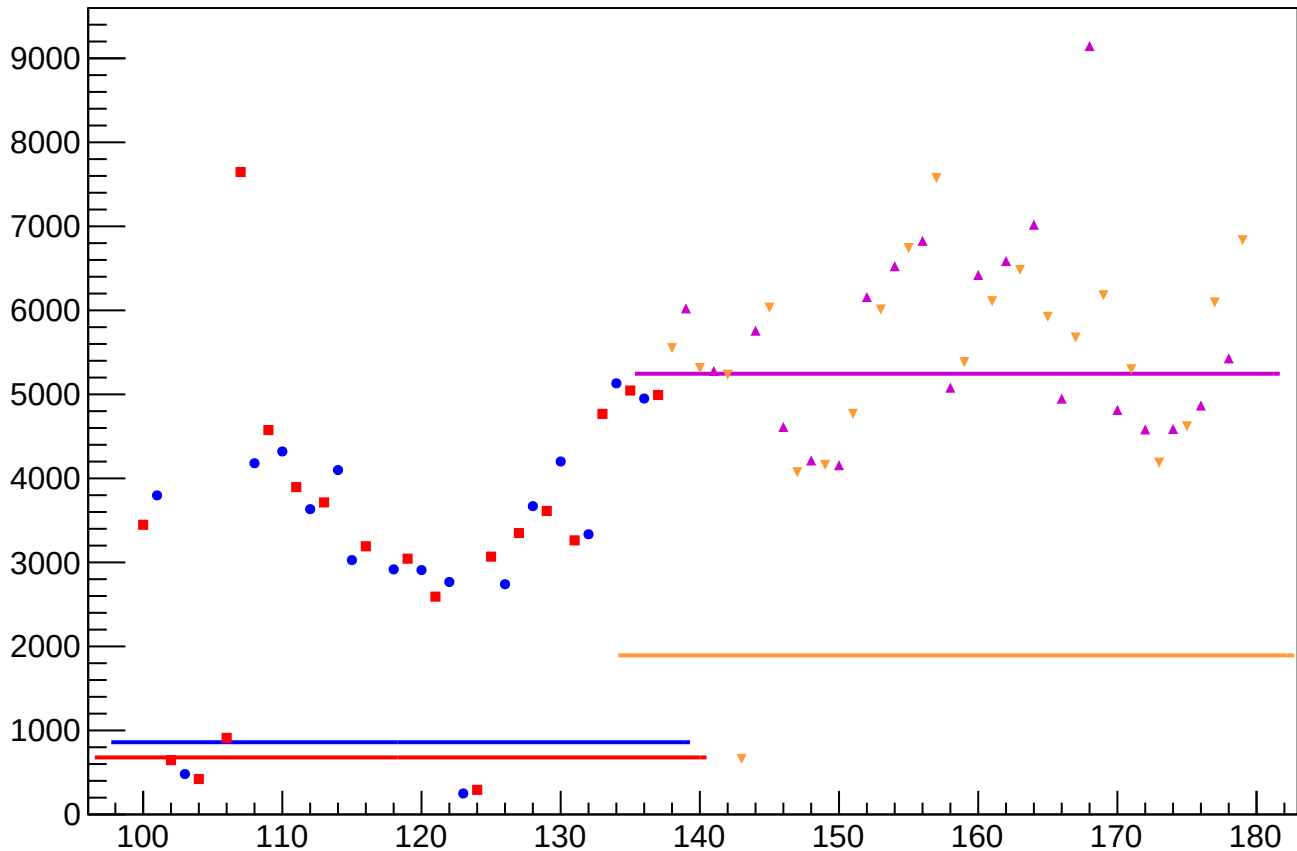
Left In: -479.886 ± 1357.243 χ^2/NDF : 12.7/19

+ sign -275.694 ± 427.437 χ^2/NDF : 51.6/38

All: -238.986 ± 297.005 χ^2/NDF : 85.1/77

- sign -204.718 ± 412.993 χ^2/NDF : 33.5/38

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

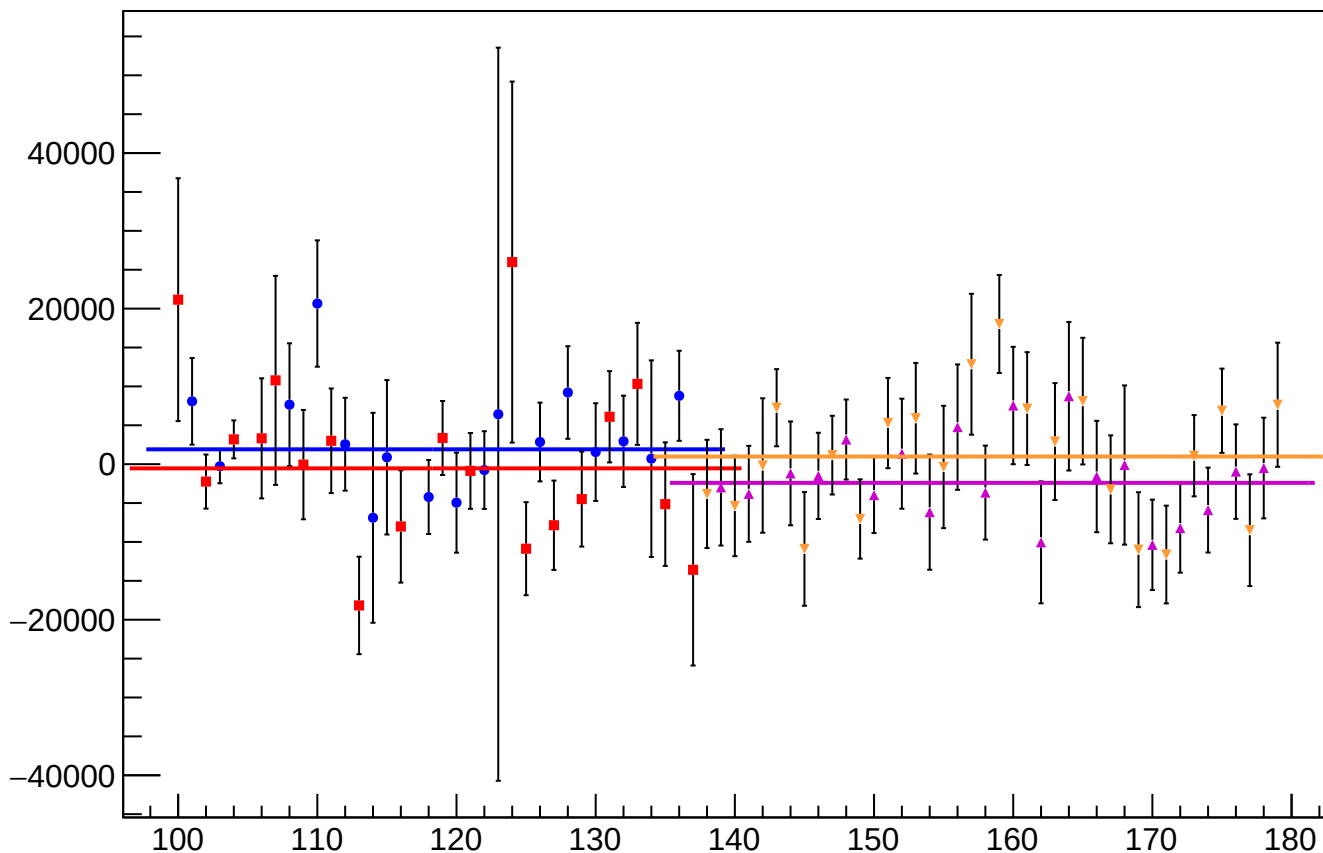
Left In: 5245.775+/-0.960 χ^2/NDF : 1052036.9/19

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

All: 1171.449+/-0.210 χ^2/NDF : 59197795.2/7

- sign 1101.483+/-0.292 χ^2/NDF : 29986900.4/38

asym_atl_avg_mean vs Slug



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

Left Out: 982.309 ± 1386.851 χ^2/NDF : 30.5/21

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

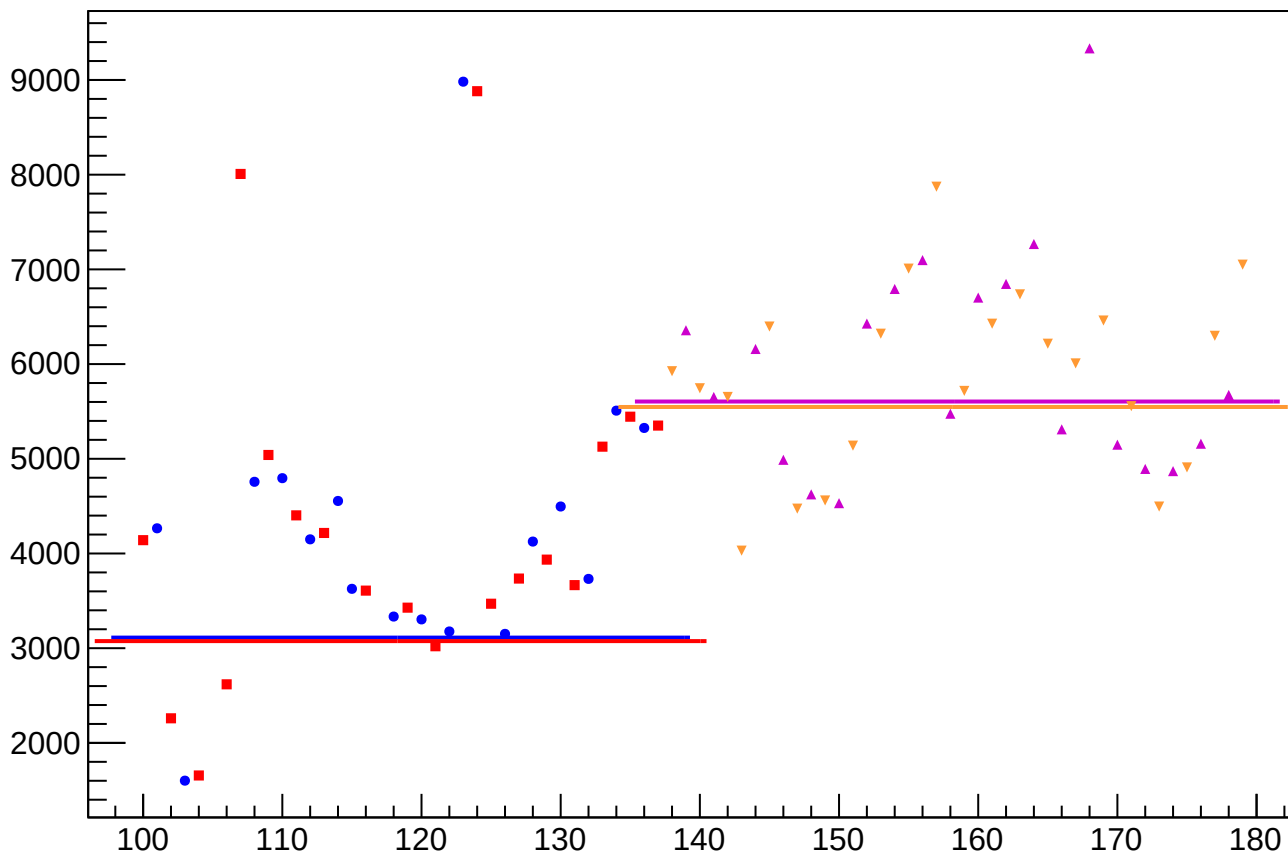
Left In: -2403.258 ± 1445.995 χ^2/NDF : 10.3/19

+ sign 1472.147 ± 952.404 χ^2/NDF : 45.3/38

All: 67.367 ± 676.425 χ^2/NDF : 87.4/77

- sign -1362.500 ± 960.871 χ^2/NDF : 37.7/38

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

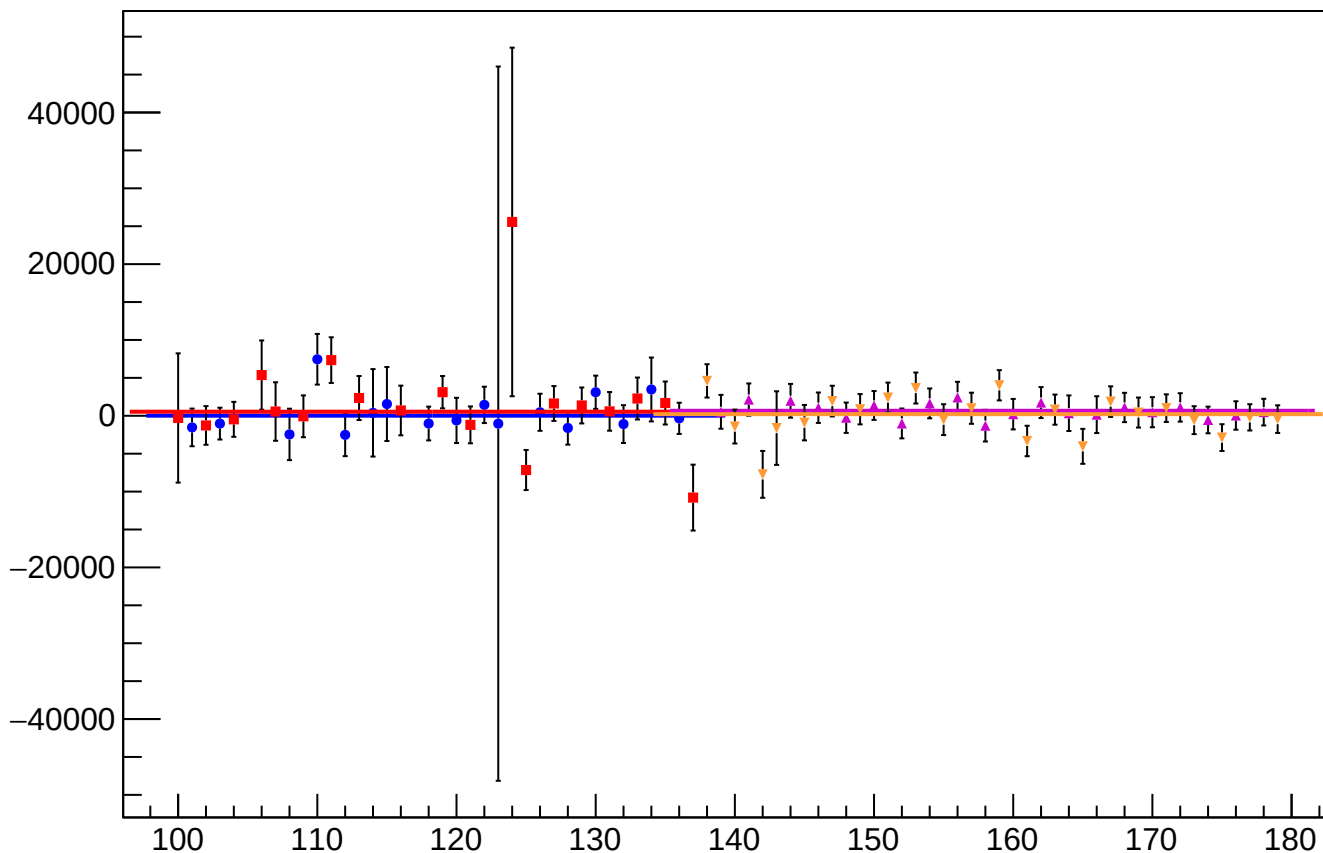
Left In: 5604.627+/-1.022 χ^2/NDF : 888733.0/19

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

All: 4217.019+/-0.476 χ^2/NDF : 12459947.8/7

- sign 4173.720+/-0.674 χ^2/NDF : 6356968.5/38

reg_asym_atl_dd_mean vs Slug



Right In: 14.118+/-661.101 χ^2/NDF : 11.1/16

Left Out: 214.167+/-438.642 χ^2/NDF : 31.2/21

Right Out: 537.476+/-661.143 χ^2/NDF : 26.7/18

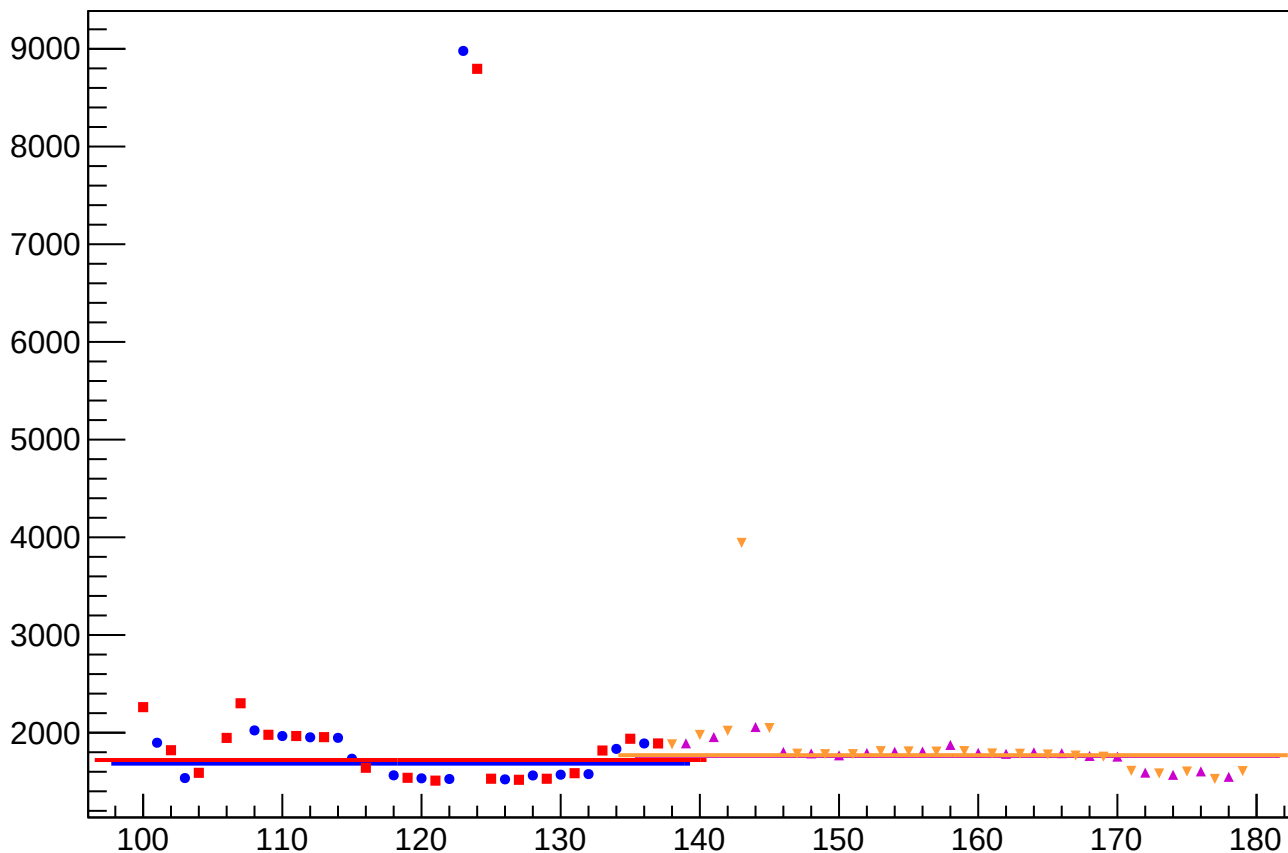
Left In: 657.348+/-449.231 χ^2/NDF : 4.9/19

+ sign 153.018+/-365.505 χ^2/NDF : 42.4/38

All: 382.413+/-260.570 χ^2/NDF : 74.8/77

- sign 619.485+/-371.572 χ^2/NDF : 31.6/38

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

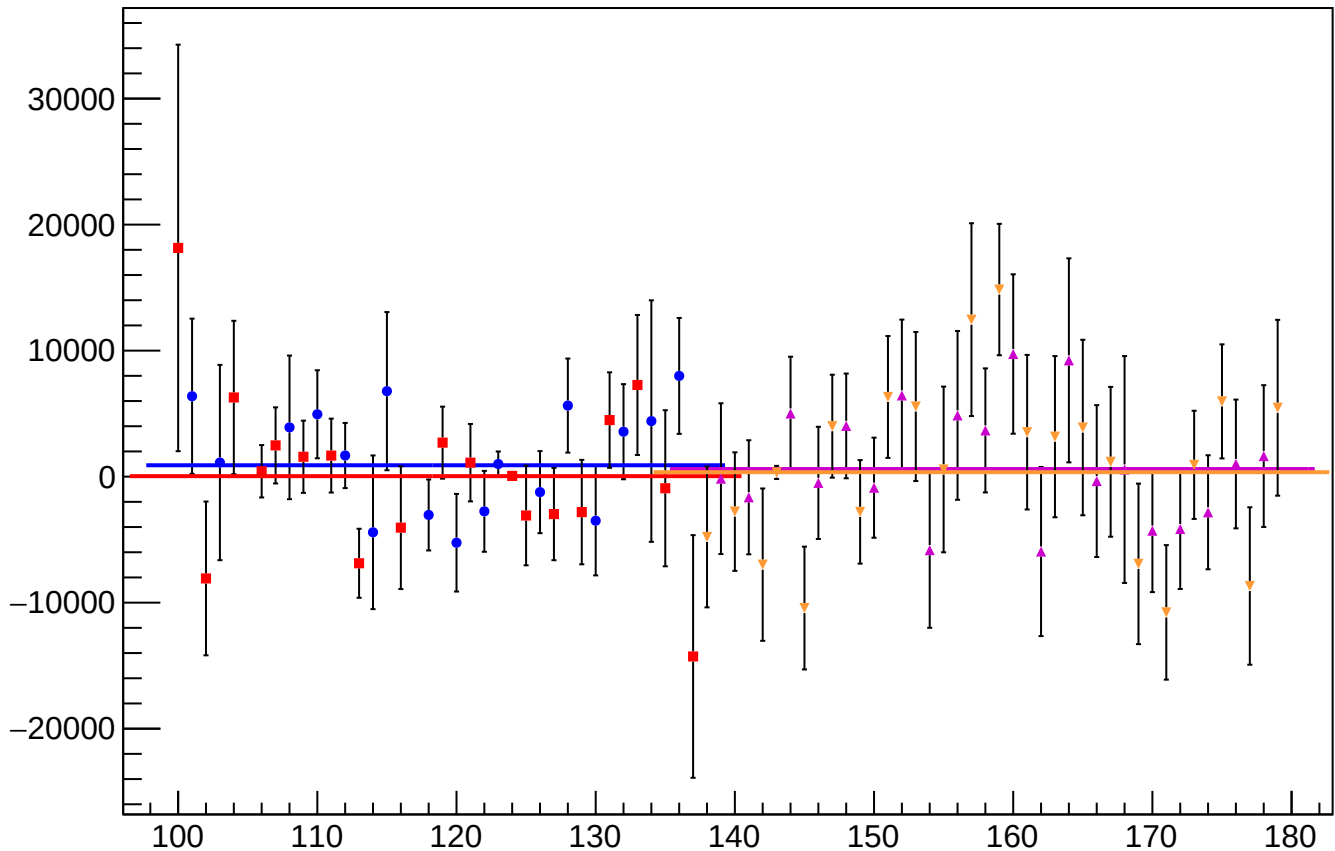
Left In: 1762.291+/-0.318 χ^2/NDF : 153979.5/19

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

All: 1746.041+/-0.184 χ^2/NDF : 1353163.6/77

- sign 1748.974+/-0.262 χ^2/NDF : 555610.8/38

asym_atl_dd_correction_mean vs Slug



Right In: 903.344 $\pm$ 705.564 χ^2 /NDF: 16.0/16

Left Out: 354.383 $\pm$ 477.465 χ^2 /NDF:32.2/21

Right Out: 38.143 $\pm$ 357.176 χ^2 /NDF: 20.5/18

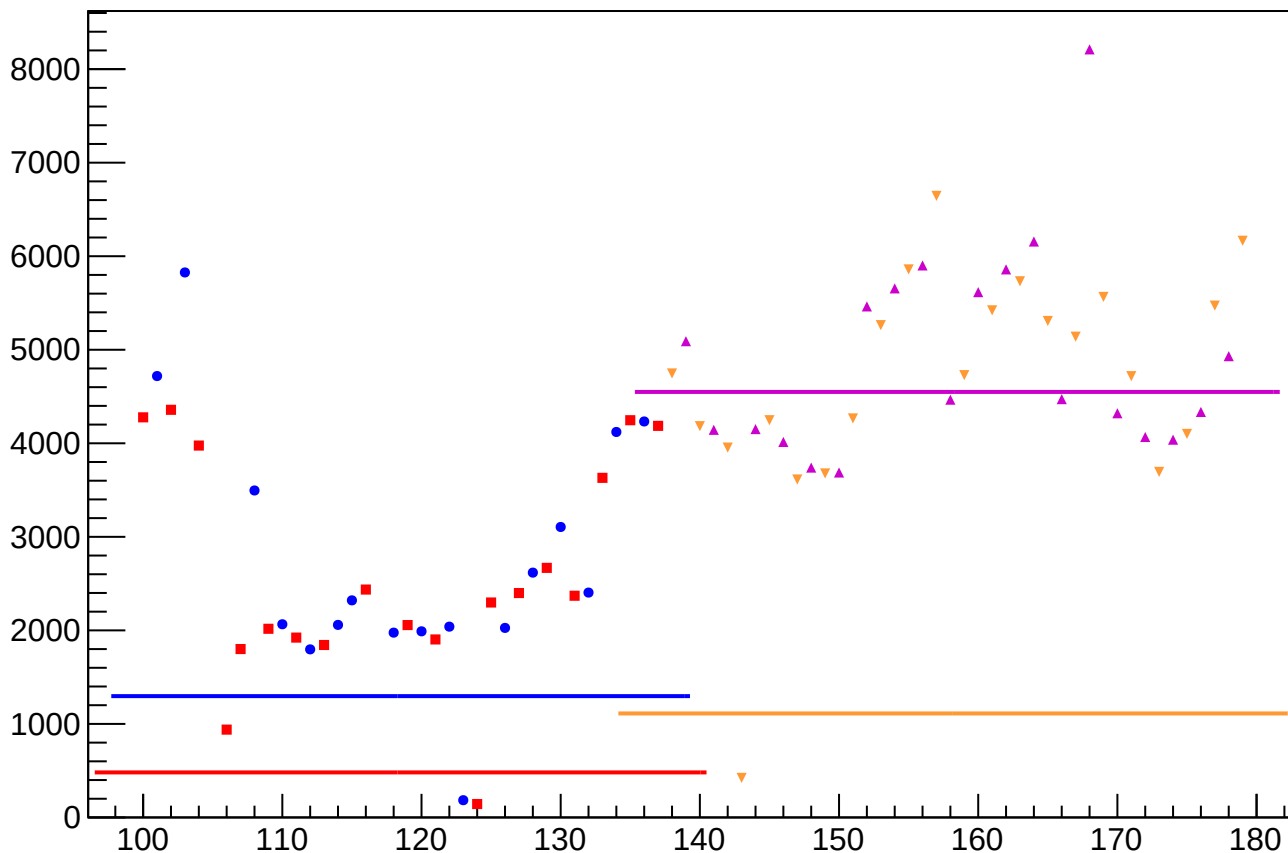
Left In: 604.468 $\pm$ 1176.466 χ^2 /NDF:11.7/19

+ sign 526.812 $\pm$ 395.431 χ^2 /NDF: 48.6/38

All: 274.454 $\pm$ 258.576 χ^2 /NDF: 81.7/77

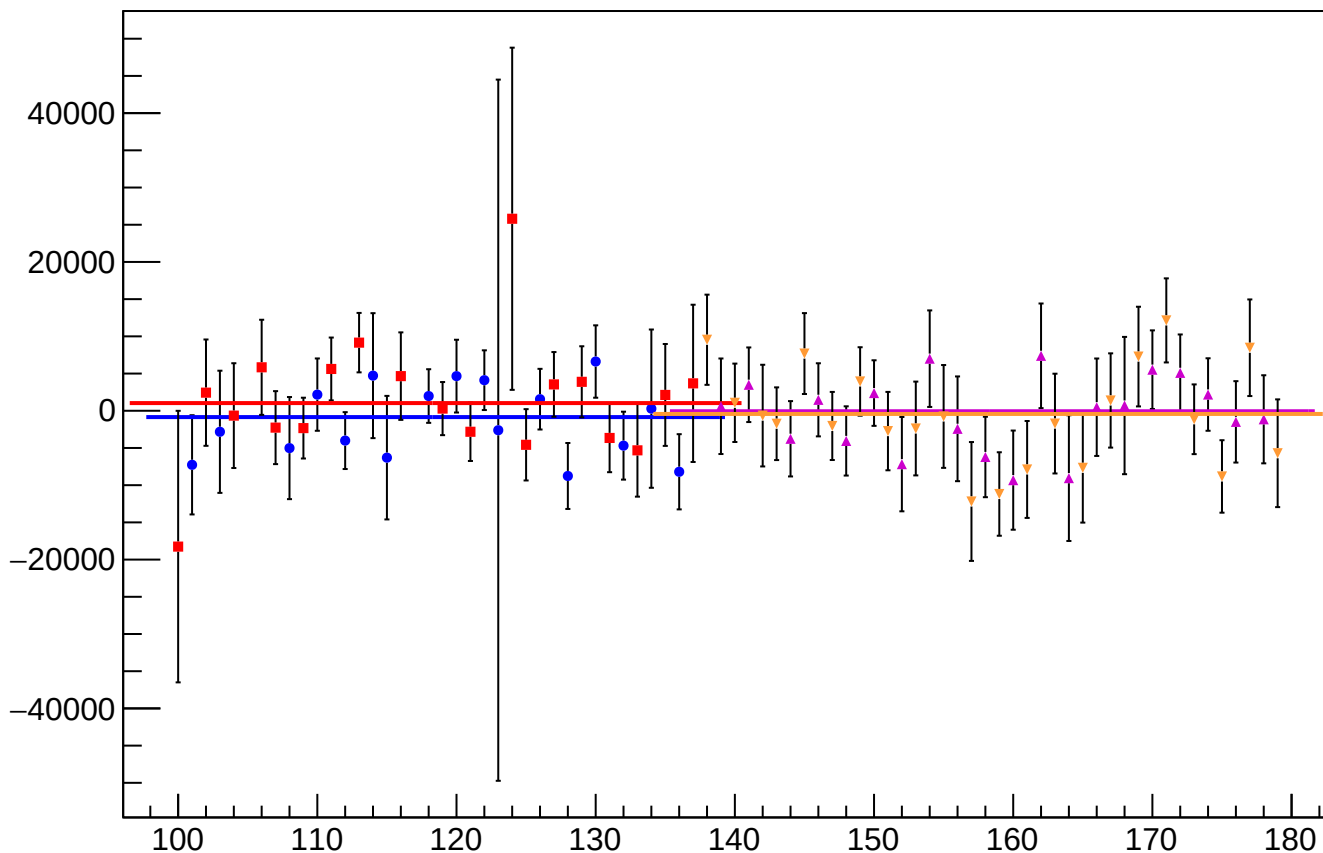
- sign 85.938 $\pm$ 341.772 χ^2 /NDF: 32.5/38

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: 972.493+/-0.183	χ^2/NDF : 62604543.3/77
Right Out: 481.577+/-0.253	χ^2/NDF : 10144170.1/18	- sign 824.855+/-0.242	χ^2/NDF : 33079599.3/38
Left In: 4549.103+/-0.832	χ^2/NDF : 1045713.1/19		

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

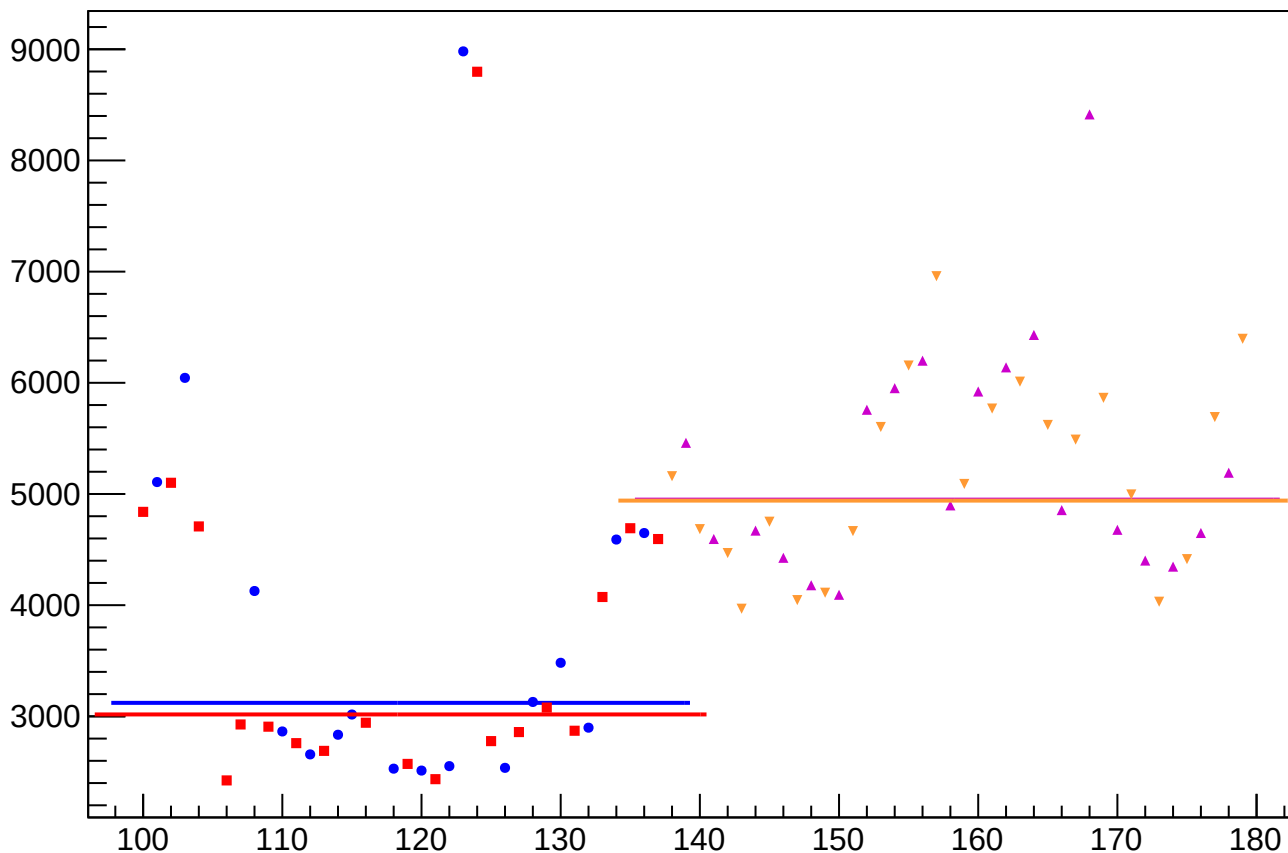
Left In: -64.321 ± 1275.469 χ^2/NDF : 12.7/19

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

All: -48.429 ± 619.297 χ^2/NDF : 70.8/77

- sign 522.116 ± 870.384 χ^2/NDF : 28.1/38

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

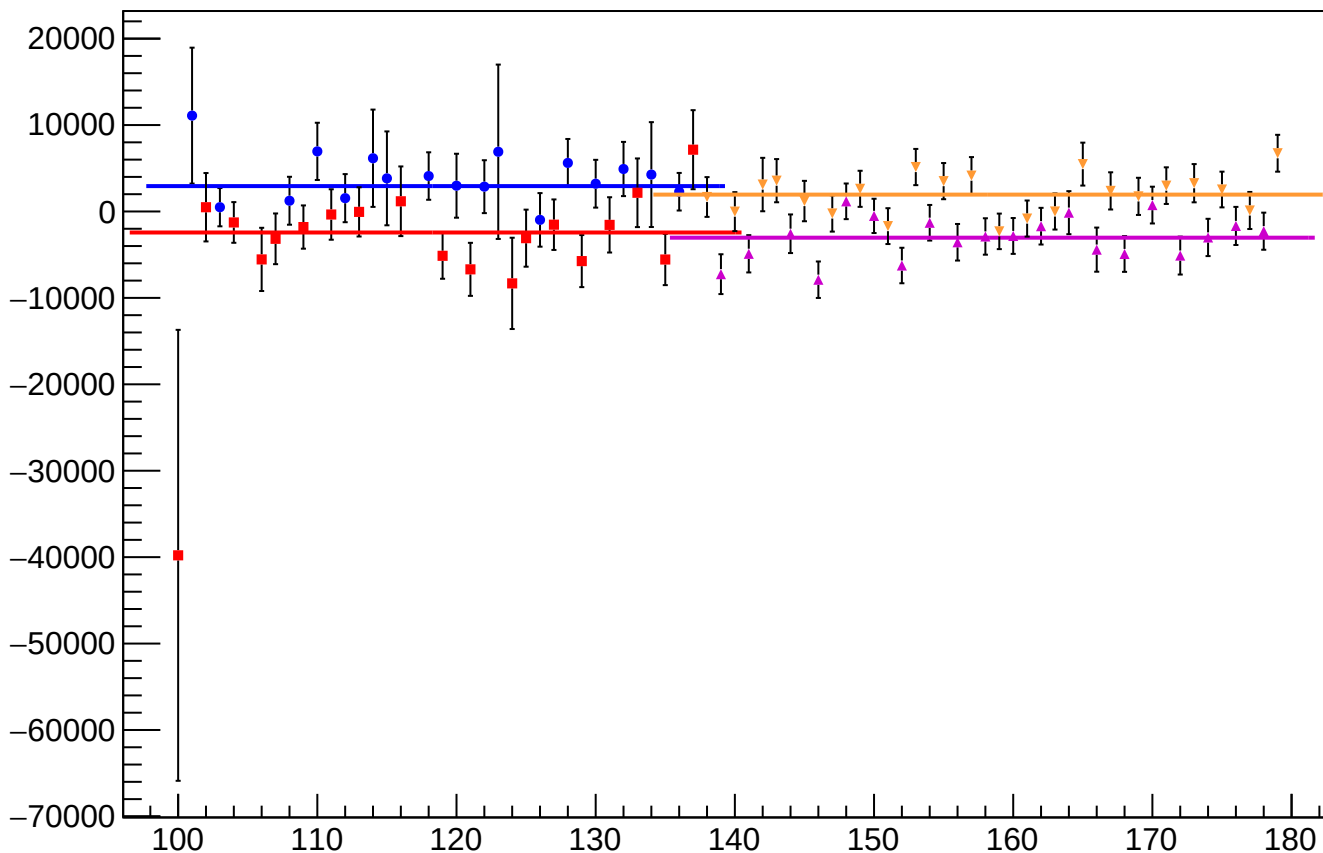
Left In: 4949.262+/-0.902 χ^2/NDF : 836940.2/19

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

All: 3976.982+/-0.436 χ^2/NDF : 8031107.7/77

- sign 3904.888+/-0.611 χ^2/NDF : 4109579.4/38

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1951.378 ± 467.117 χ^2/NDF : 25.1/21

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

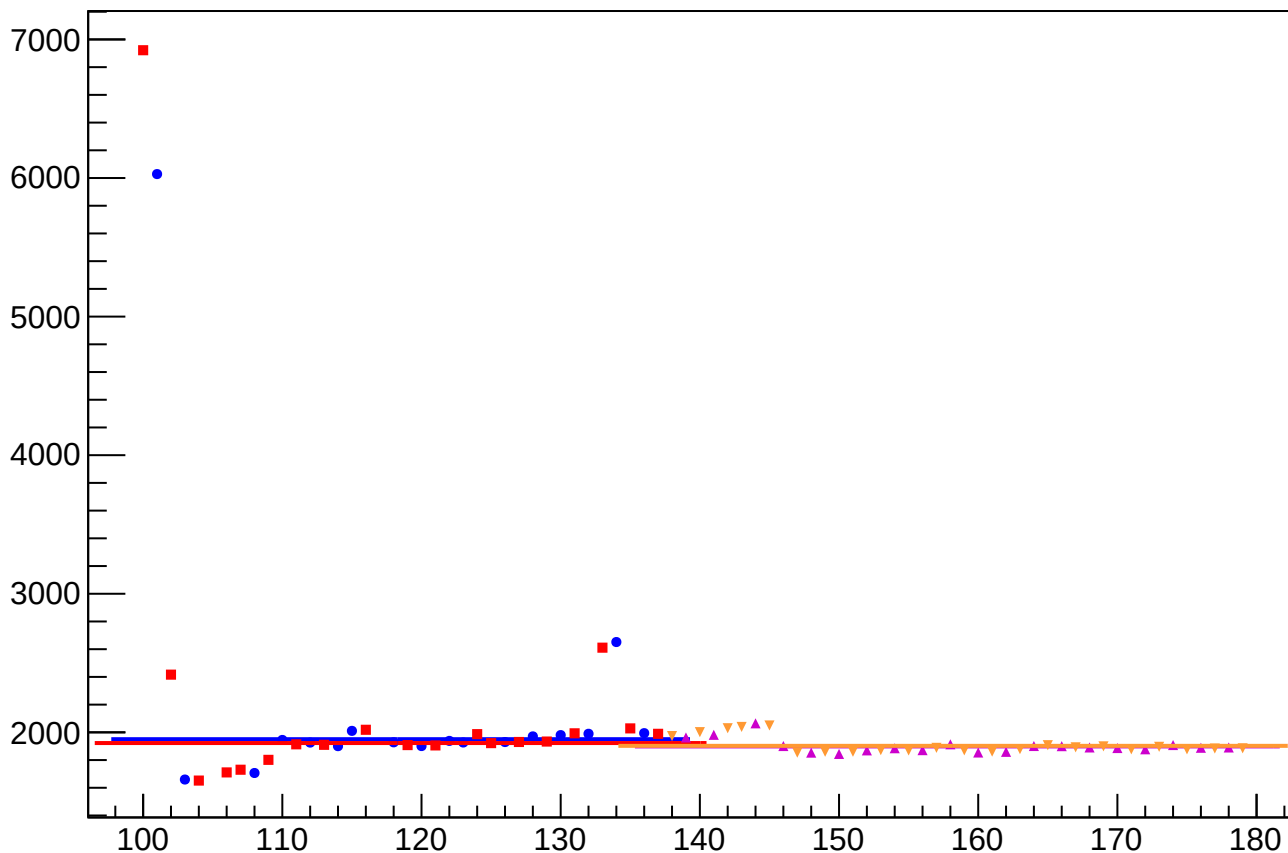
Left In: -3033.681 ± 481.830 χ^2/NDF : 25.9/19

+ sign 2213.531 ± 400.117 χ^2/NDF : 34.4/38

All: -297.167 ± 284.235 χ^2/NDF : 158.4/77

- sign -2854.907 ± 403.848 χ^2/NDF : 44.5/38

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

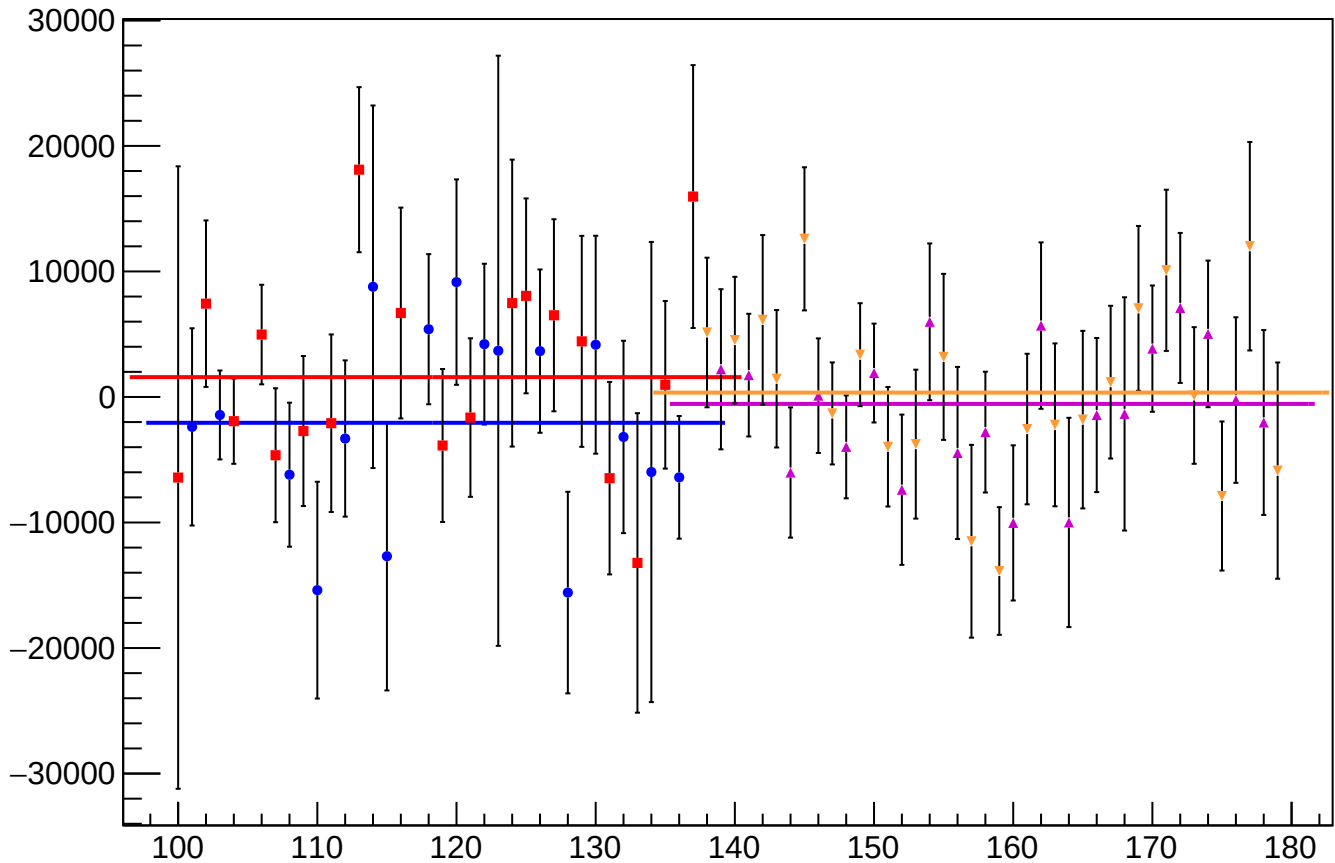
Left In: 1898.301+/-0.341 χ^2/NDF : 20969.3/19

+ sign 1915.364+/-0.283 χ^2/NDF : 652278.9/38

All: 1910.523+/-0.201 χ^2/NDF : 892775.9/77

- sign 1905.599+/-0.285 χ^2/NDF : 239906.5/38

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876 ± 1661.079 χ^2/NDF : 14.0/16

Left Out: 349.587 ± 1230.263 χ^2/NDF : 27.4/21

Right Out: 1580.717 ± 1477.405 χ^2/NDF : 18.6/18

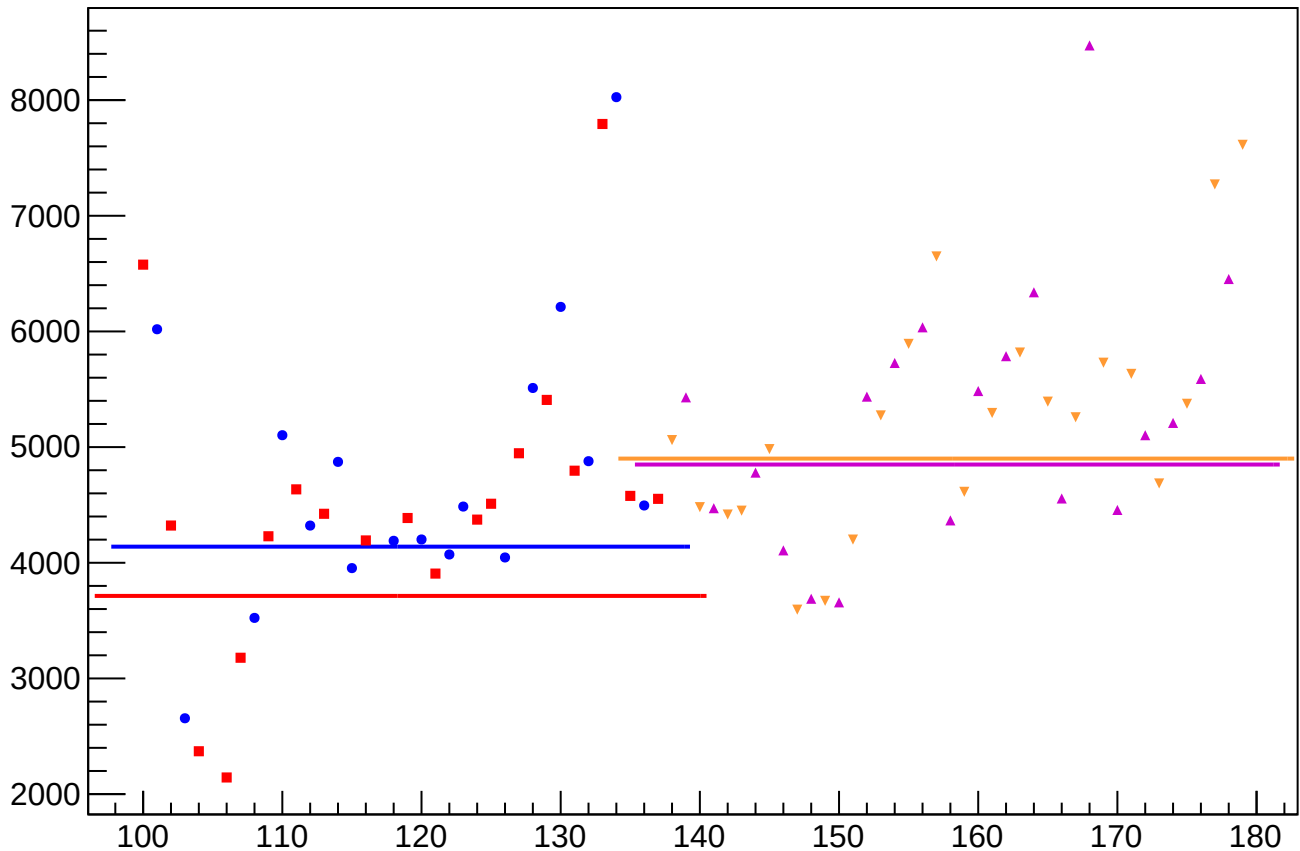
Left In: -551.934 ± 1256.577 χ^2/NDF : 13.5/19

+ sign -502.865 ± 988.634 χ^2/NDF : 42.7/38

All: -66.136 ± 687.681 χ^2/NDF : 76.3/77

- sign 343.251 ± 957.185 χ^2/NDF : 33.3/38

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

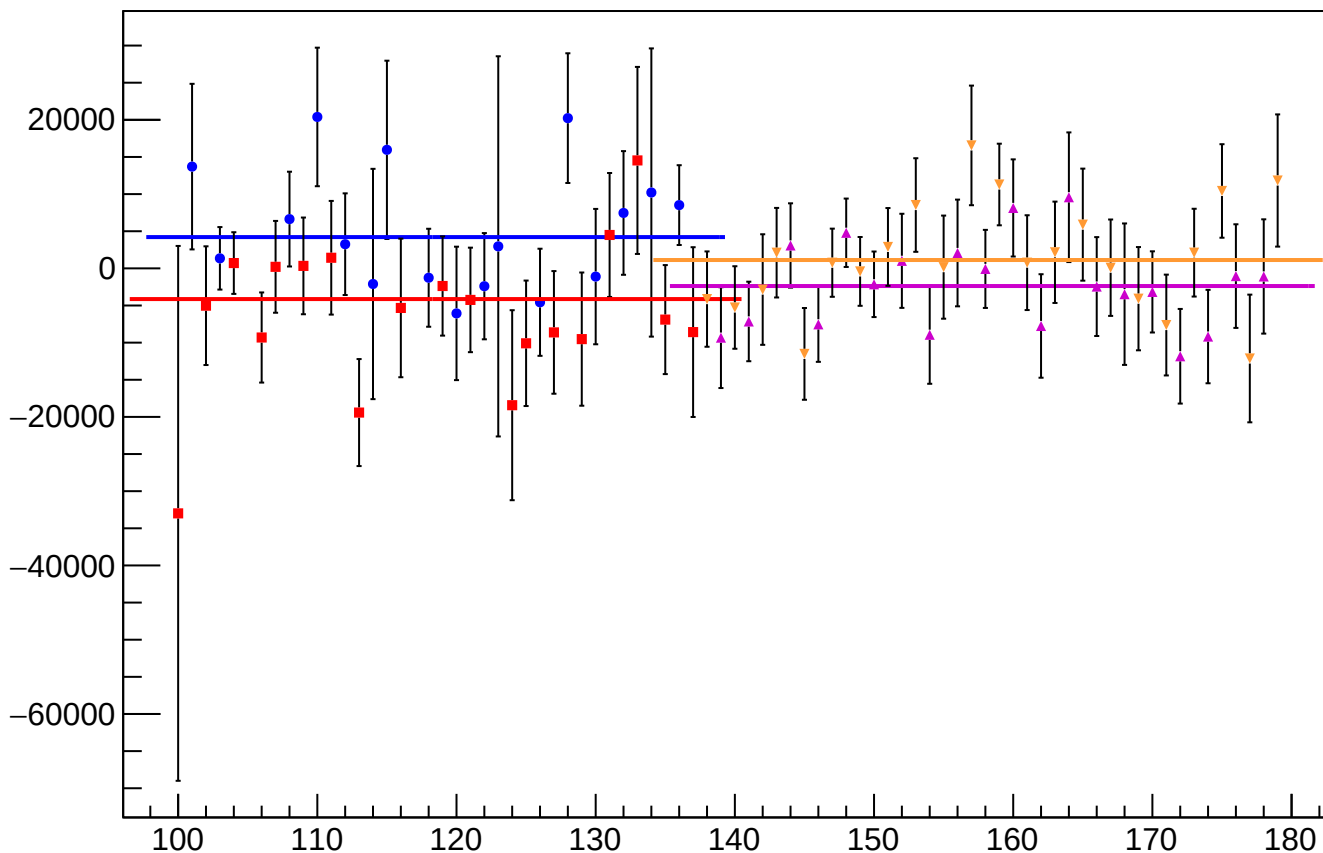
Left In: 4849.293+/-0.889 χ^2/NDF : 1140897.1/19

+ sign 4630.996+/-0.699 χ^2/NDF : 2217095.4/38

All: 4497.598+/-0.486 χ^2/NDF : 5390207.3/77

- sign 4372.552+/-0.677 χ^2/NDF : 3102565.6/38

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

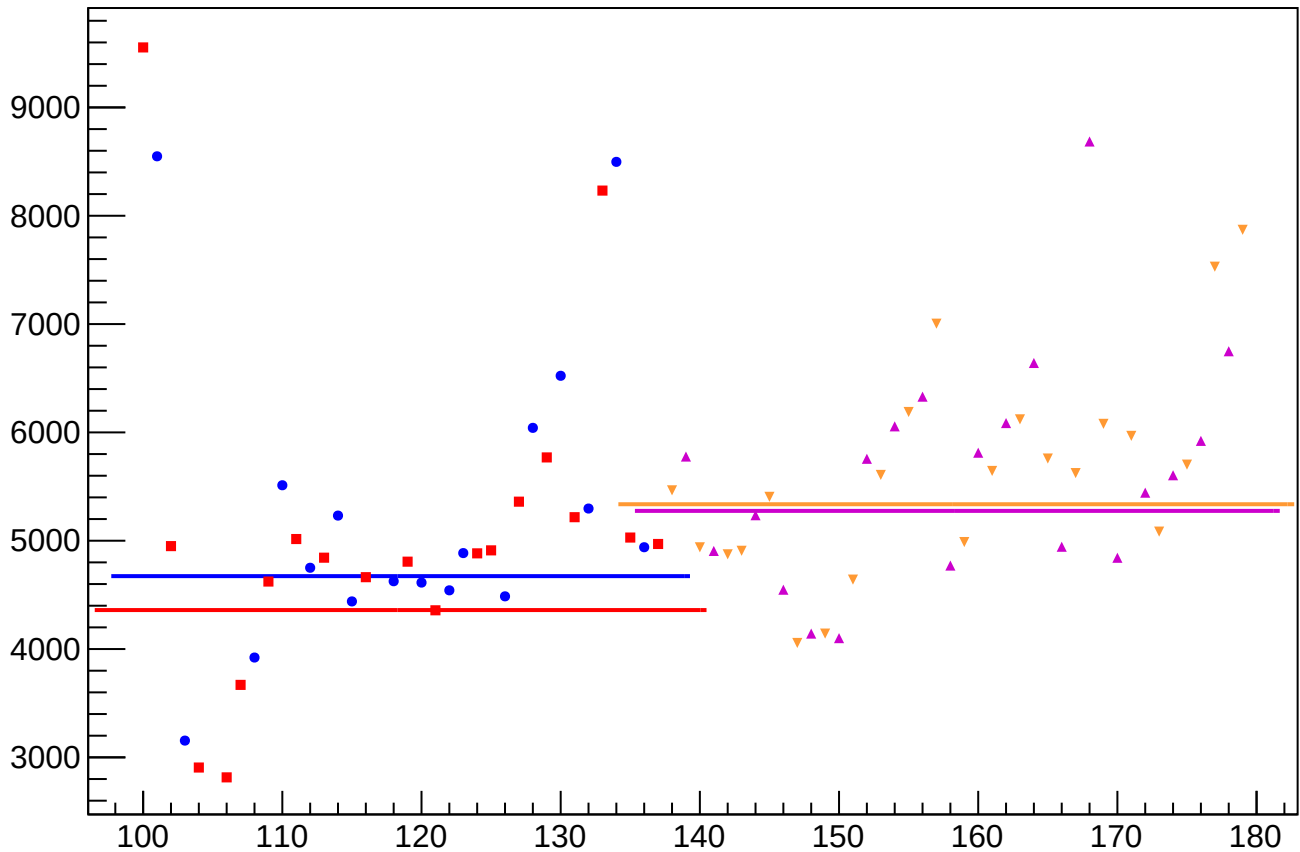
Left In: -2378.045+/-1360.469 χ^2/NDF : 16.6/19

+ sign 2162.898+/-1085.436 χ^2/NDF : 40.2/38

All: -485.590+/-761.390 χ^2/NDF : 83.9/77

- sign -3051.128+/-1068.303 χ^2/NDF : 32.0/38

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

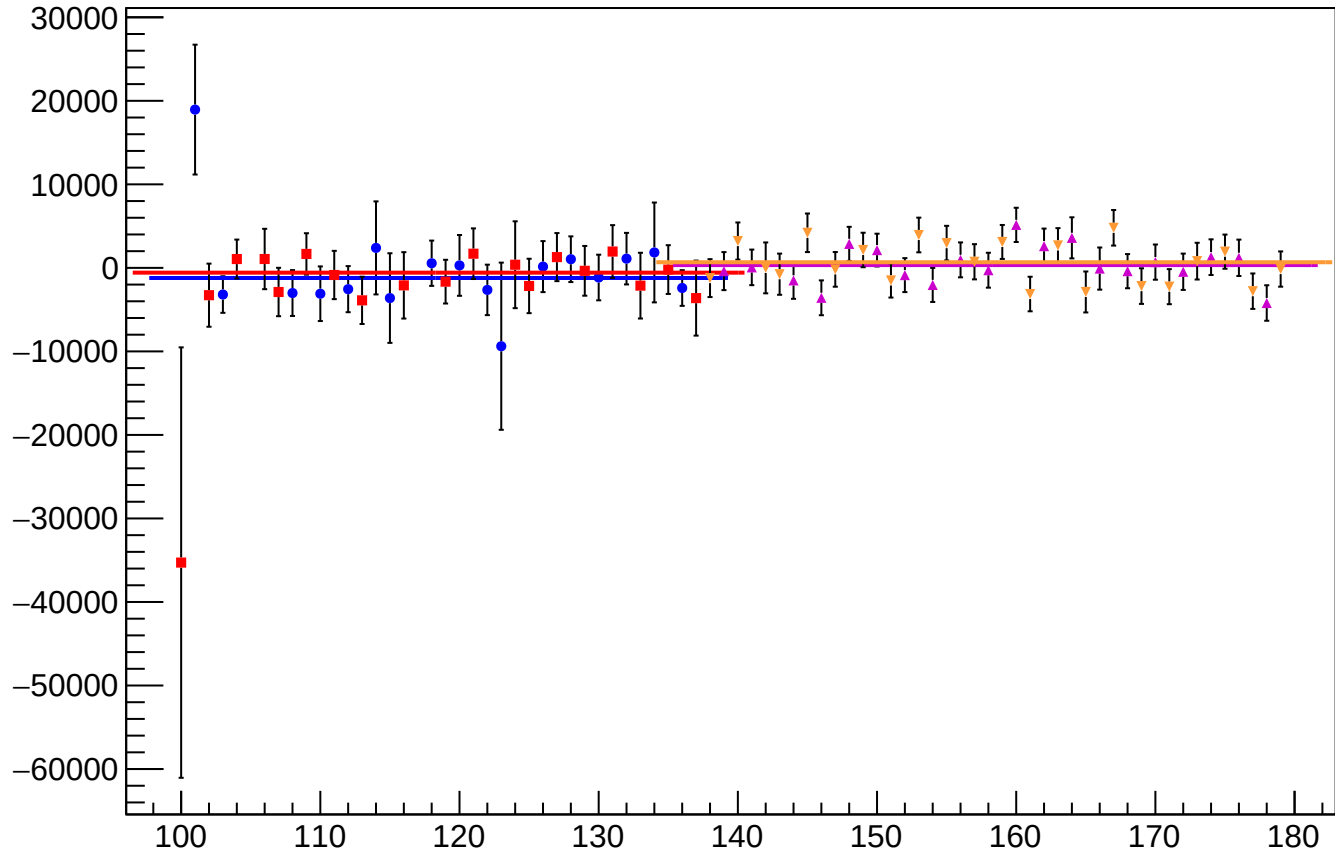
Left In: 5275.432+/-0.962 χ^2/NDF : 886629.4/19

+ sign 5113.475+/-0.768 χ^2/NDF : 1808825.5/38

All: 5015.946+/-0.538 χ^2/NDF : 3909146.7/77

- sign 4921.892+/-0.754 χ^2/NDF : 2068602.5/38

reg_asym_atr_dd_mean vs Slug



Right In: -1211.176 ± 765.294 χ^2/NDF : 12.7/16

Left Out: 673.773 ± 461.941 χ^2/NDF : 28.8/21

Right Out: -573.457 ± 730.668 χ^2/NDF : 8.7/18

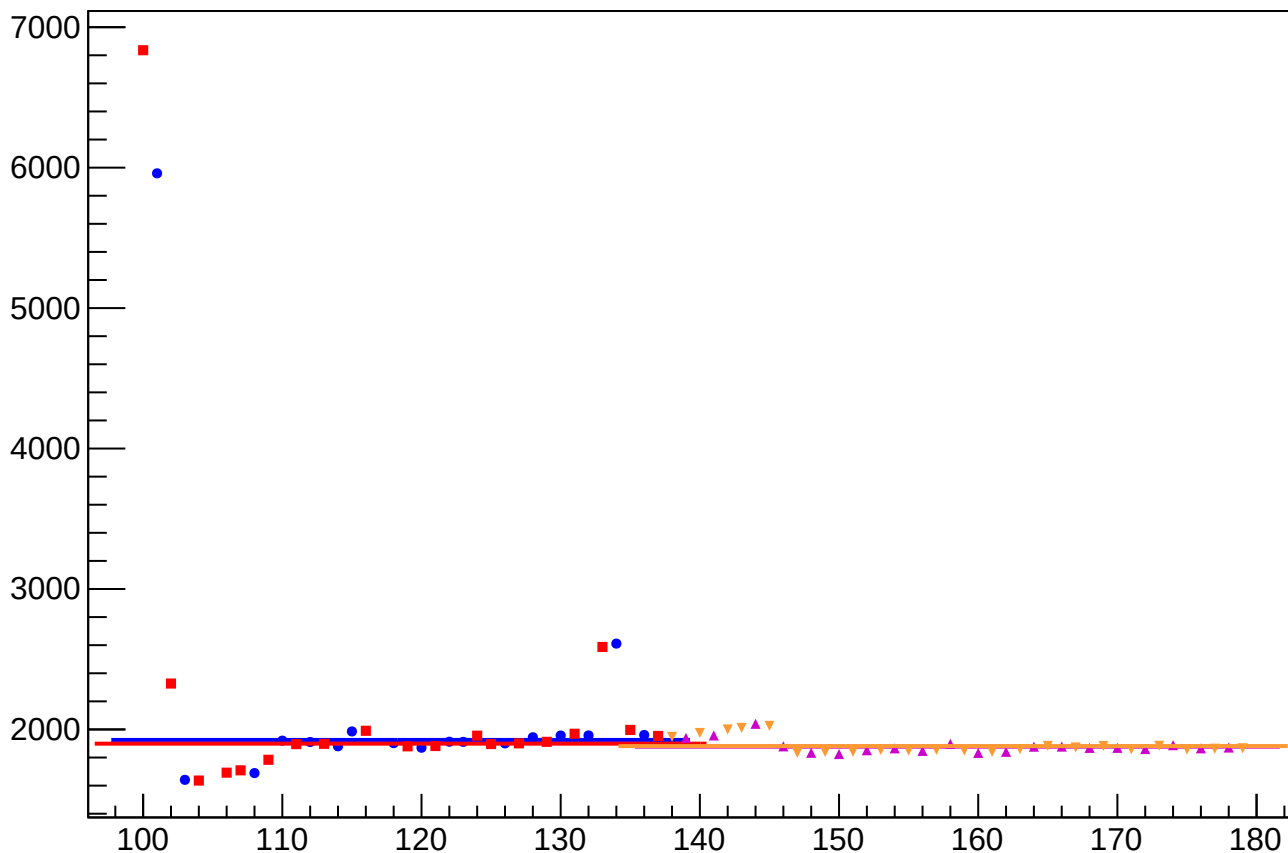
Left In: 333.031 ± 476.553 χ^2/NDF : 22.3/19

+ sign 170.399 ± 395.480 χ^2/NDF : 45.9/38

All: 116.951 ± 280.938 χ^2/NDF : 78.0/77

- sign 62.503 ± 399.158 χ^2/NDF : 32.1/38

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

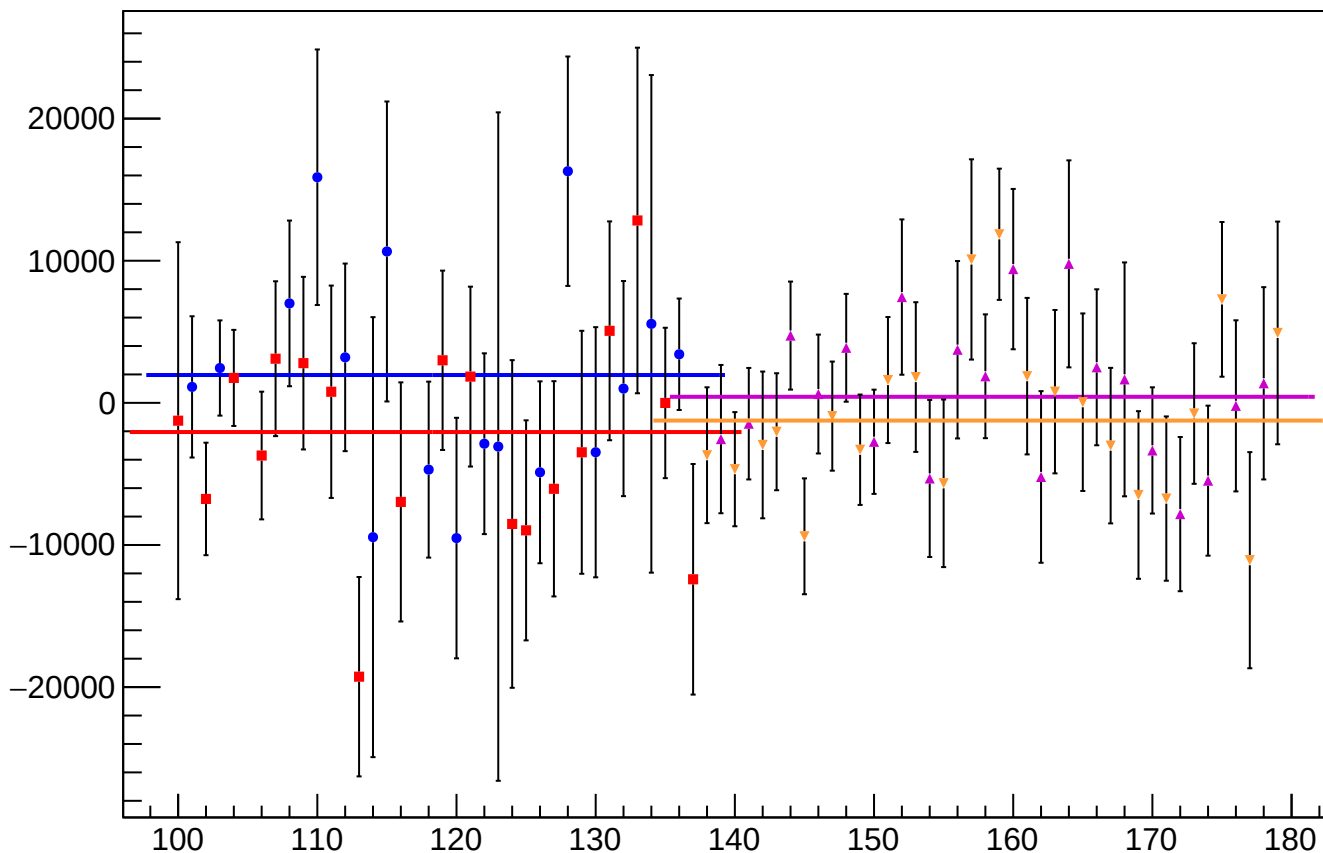
Left In: 1877.516+/-0.337 χ^2/NDF : 20348.2/19

+ sign 1893.241+/-0.280 χ^2/NDF : 648221.2/38

All: 1888.613+/-0.199 χ^2/NDF : 881197.6/77

- sign 1883.904+/-0.282 χ^2/NDF : 232423.8/38

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060 ± 1556.840 χ^2/NDF : 12.9/16

Left Out: -1246.054 ± 1072.917 χ^2/NDF : 24.4/21

Right Out: -2052.842 ± 1413.641 χ^2/NDF : 17.4/18

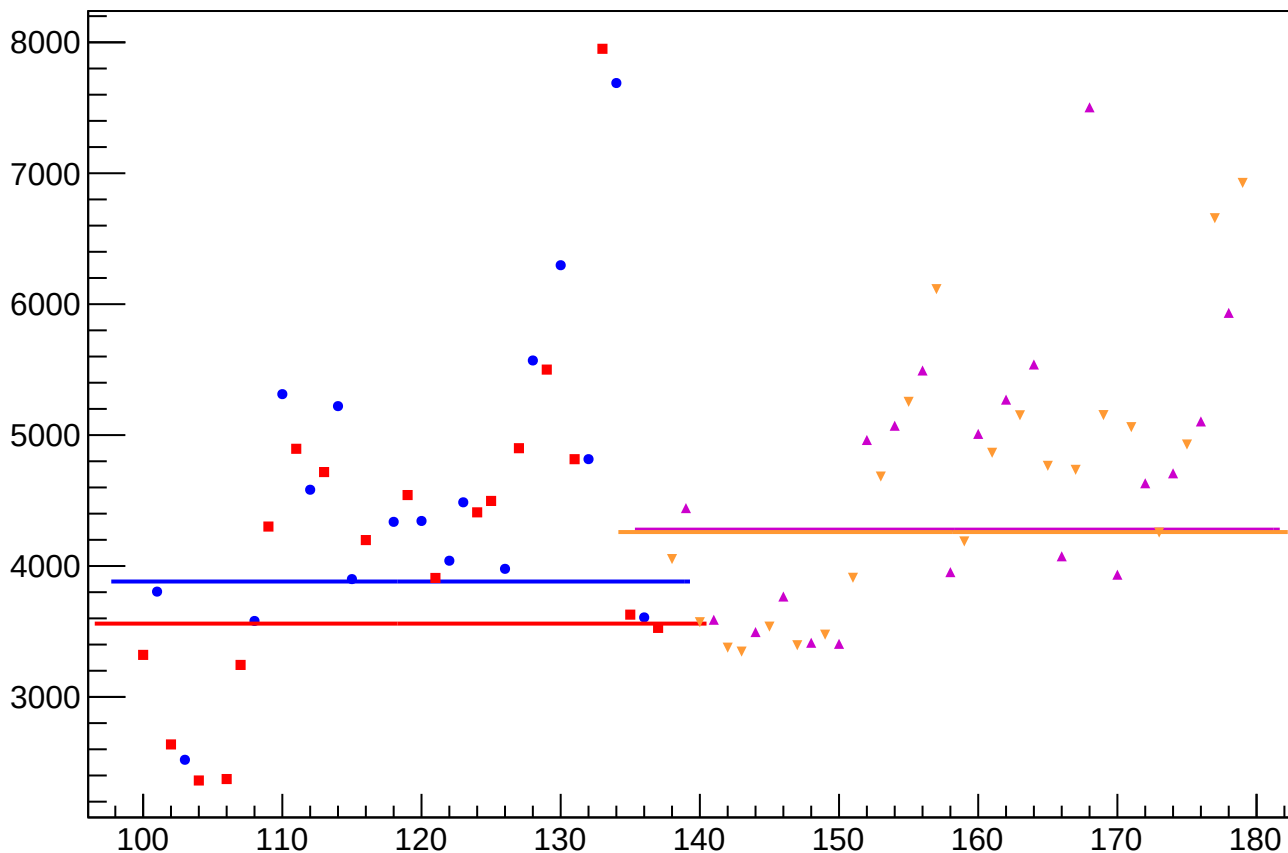
Left In: 426.647 ± 1109.496 χ^2/NDF : 16.1/19

+ sign -213.978 ± 883.442 χ^2/NDF : 40.2/38

All: -368.085 ± 620.885 χ^2/NDF : 75.7/77

- sign -518.495 ± 872.784 χ^2/NDF : 35.4/38

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

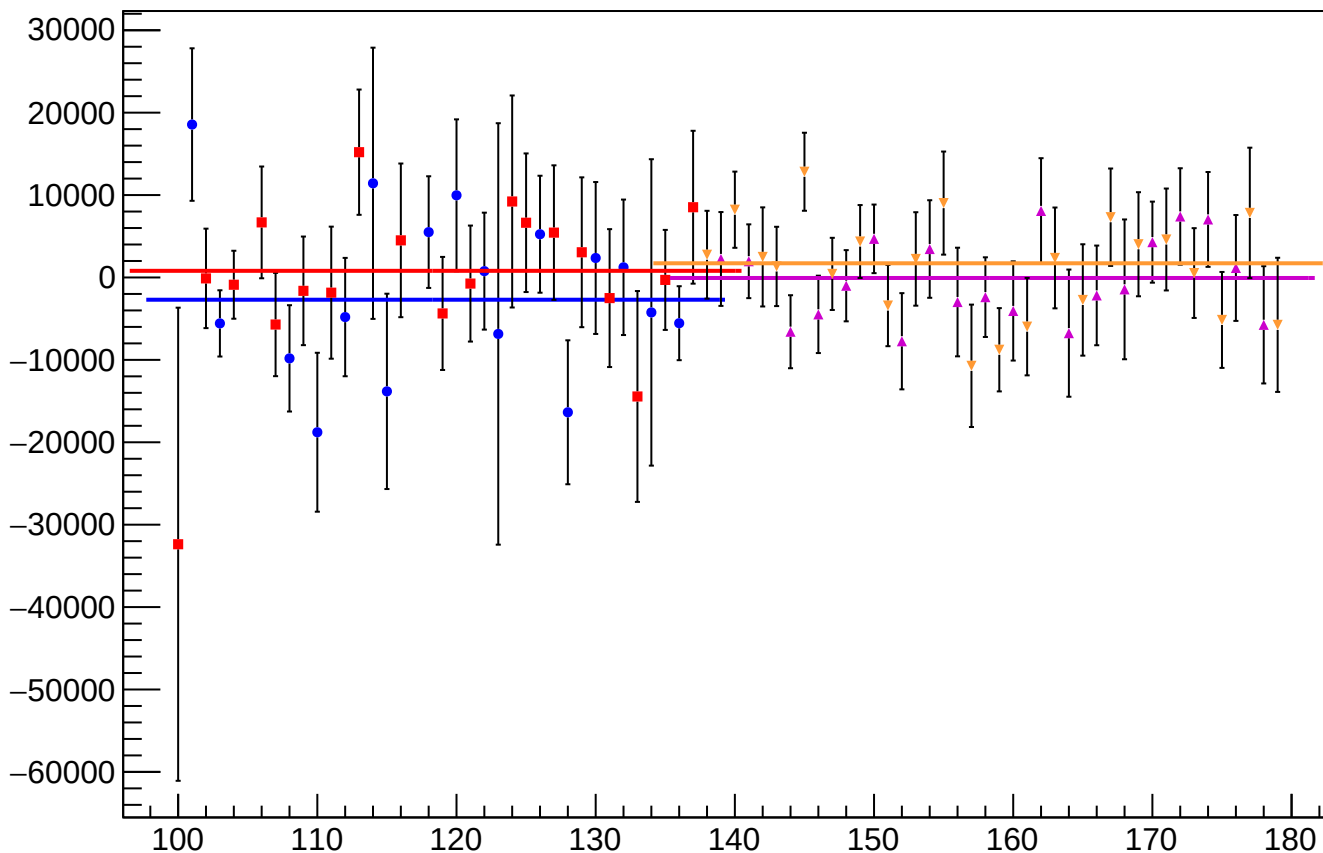
Left In: 4277.839+/-0.785 χ^2/NDF : 1203907.6/19

+ sign 4137.753+/-0.625 χ^2/NDF : 2229605.2/38

All: 4070.181+/-0.439 χ^2/NDF : 5017237.9/77

- sign 4004.230+/-0.617 χ^2/NDF : 2764512.4/38

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

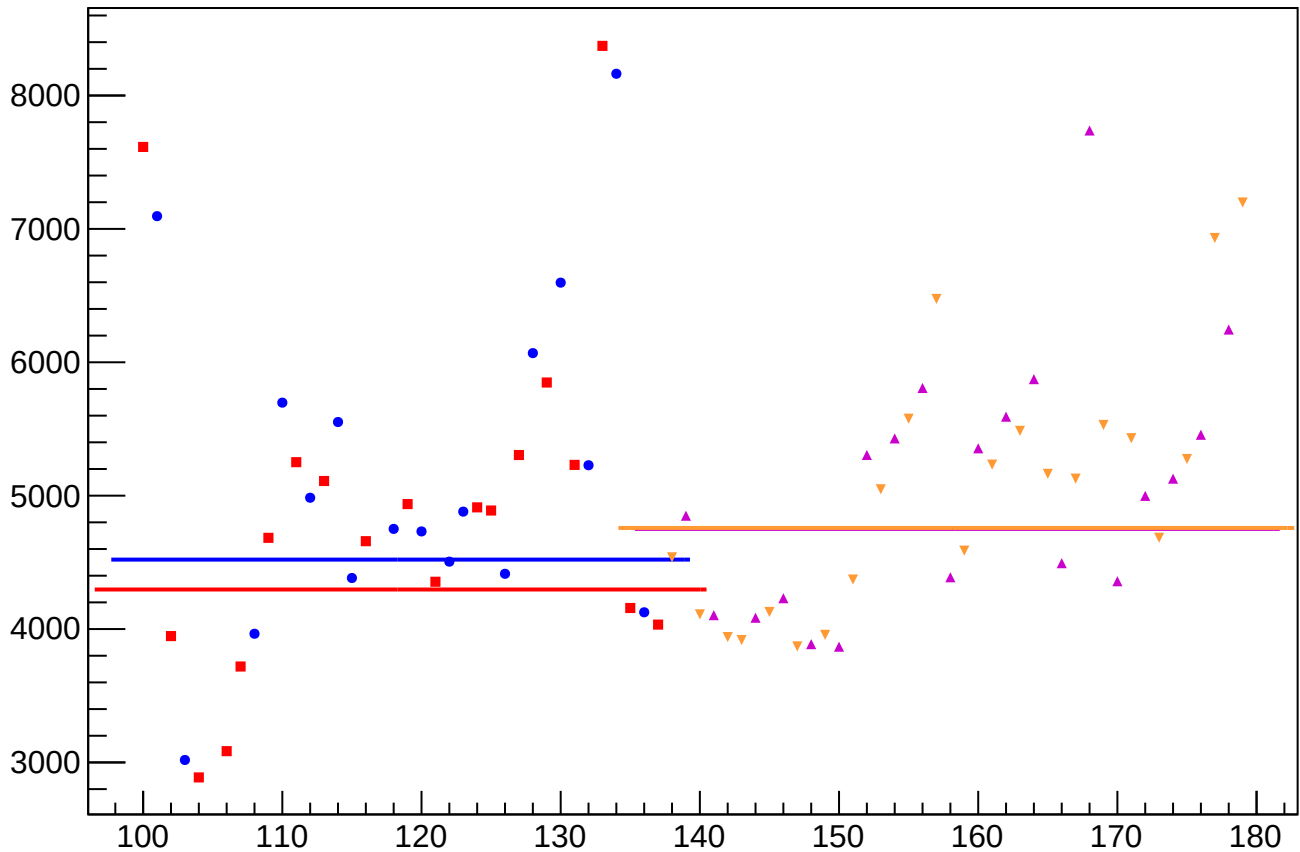
Left In: -62.157 ± 1224.647 χ^2/NDF : 14.8/19

+ sign 387.118 ± 993.738 χ^2/NDF : 47.7/38

All: 311.735 ± 701.967 χ^2/NDF : 74.3/77

- sign 236.658 ± 991.726 χ^2/NDF : 26.6/38

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

+ sign 4686.377+/-0.703 χ^2/NDF : 1736471.5/38

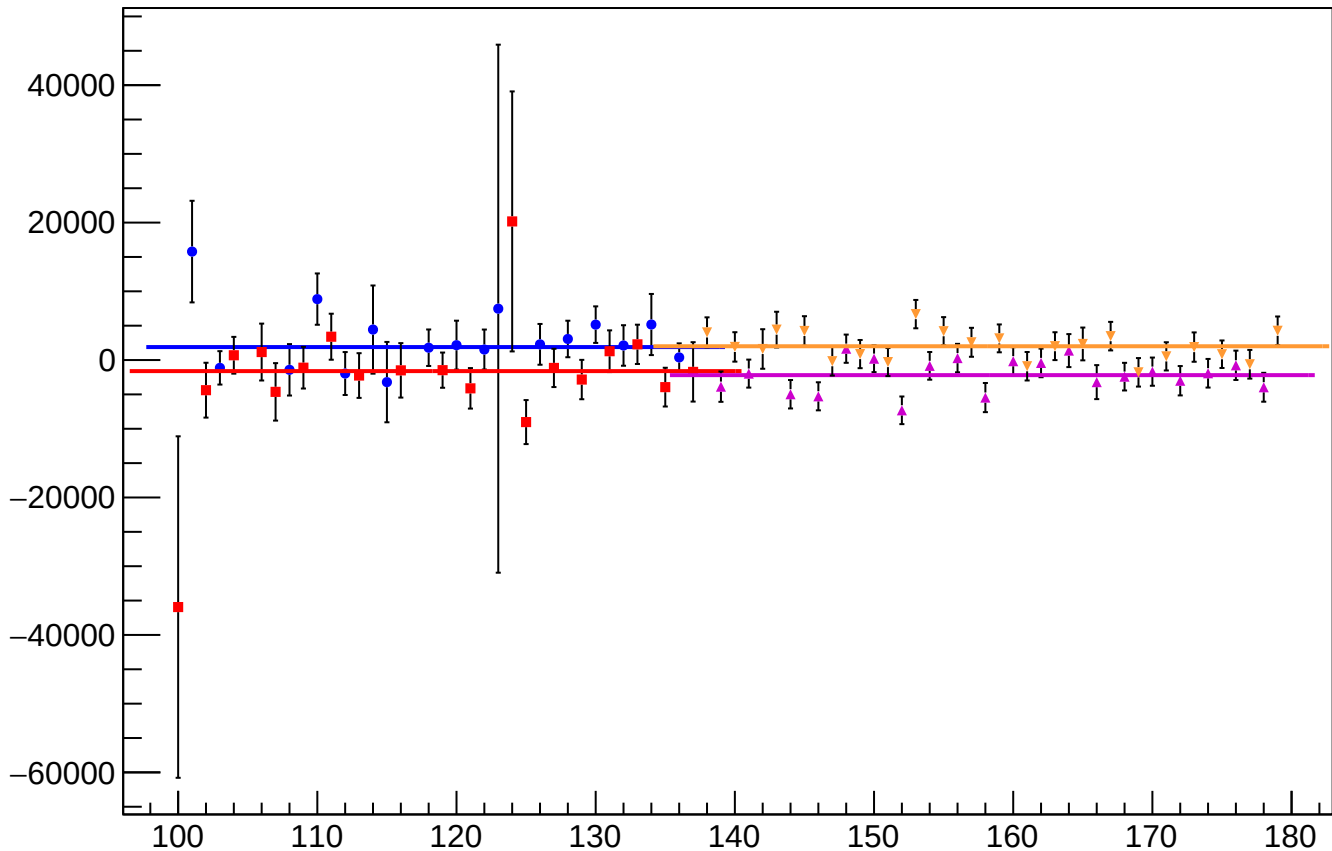
Right Out: 4296.527+/-1.189 χ^2/NDF : 771785.2/18

All: 4639.664+/-0.496 χ^2/NDF : 3487417.2/77

- sign 4593.319+/-0.700 χ^2/NDF : 1742141.8/38

Left In: 4750.844+/-0.866 χ^2/NDF : 874919.3/19

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915 ± 783.827 χ^2/NDF : 14.7/16

Left Out: 2005.922 ± 454.332 χ^2/NDF : 21.6/21

Right Out: -1610.310 ± 765.843 χ^2/NDF : 17.5/18

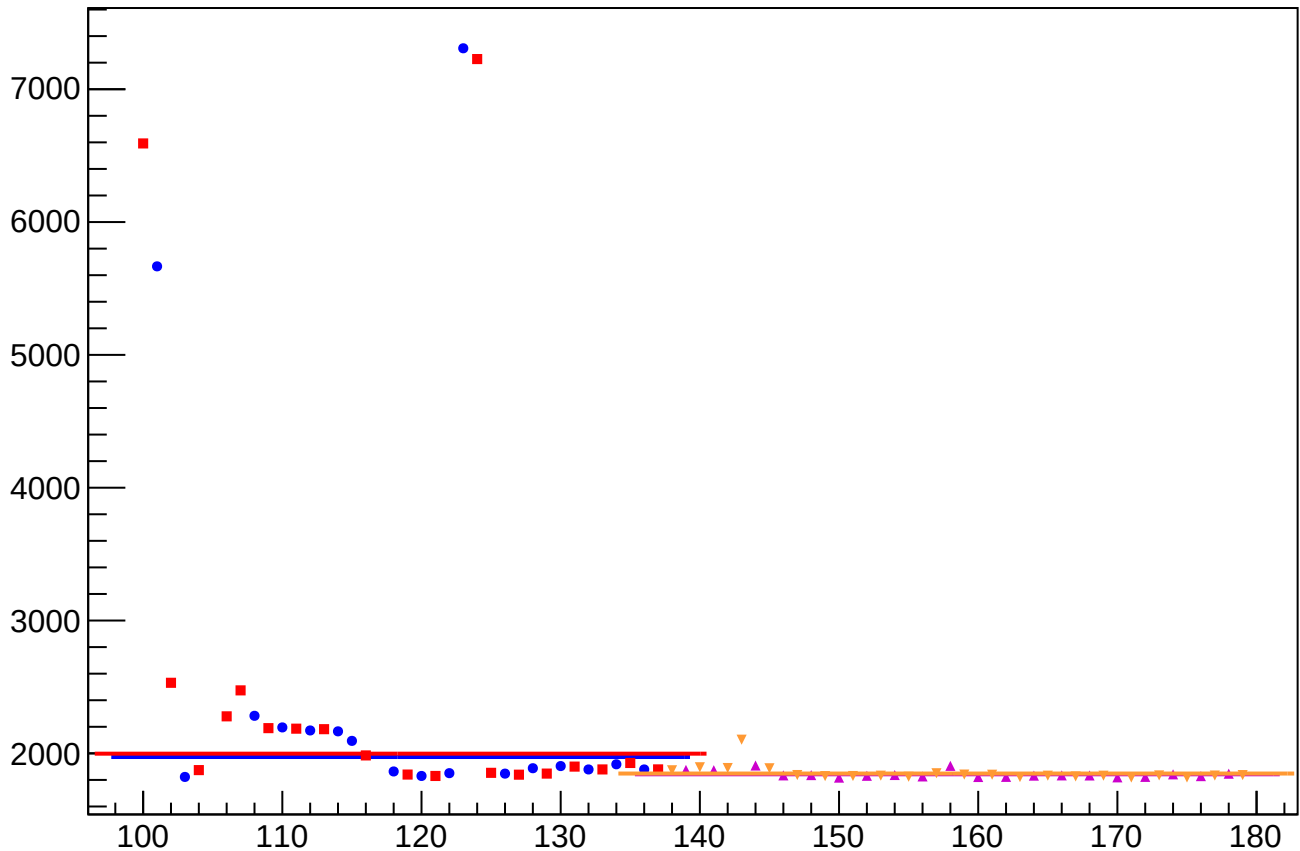
Left In: -2196.361 ± 468.497 χ^2/NDF : 25.9/19

+ sign 1976.245 ± 393.074 χ^2/NDF : 36.3/38

All: 3.017 ± 280.241 χ^2/NDF : 131.3/77

- sign -2036.769 ± 399.648 χ^2/NDF : 43.8/38

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

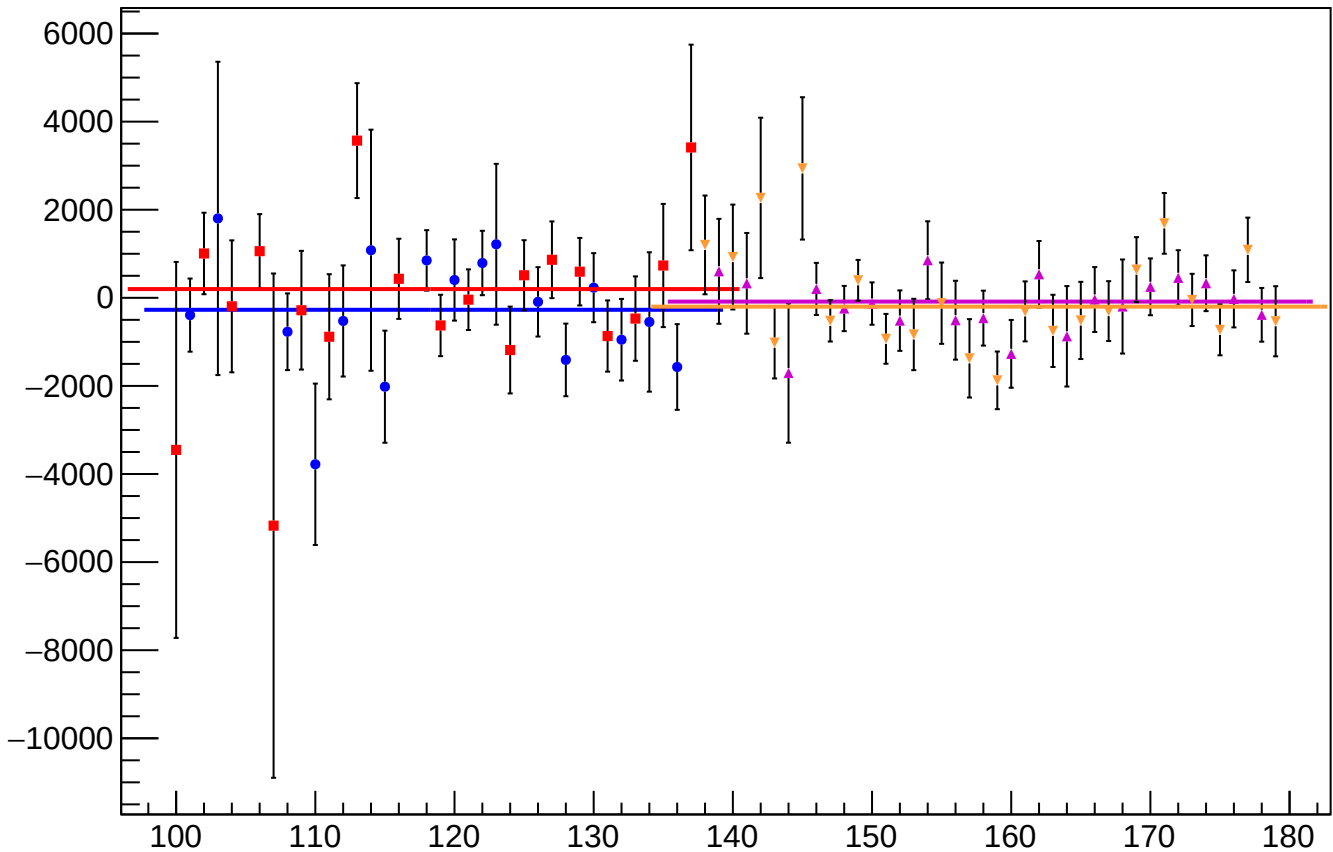
Left In: 1842.327+/-0.331 χ^2/NDF : 6293.2/19

+ sign 1879.336+/-0.278 χ^2/NDF : 662913.0/38

All: 1881.936+/-0.198 χ^2/NDF : 1084818.5/77

- sign 1884.624+/-0.283 χ^2/NDF : 421727.5/38

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

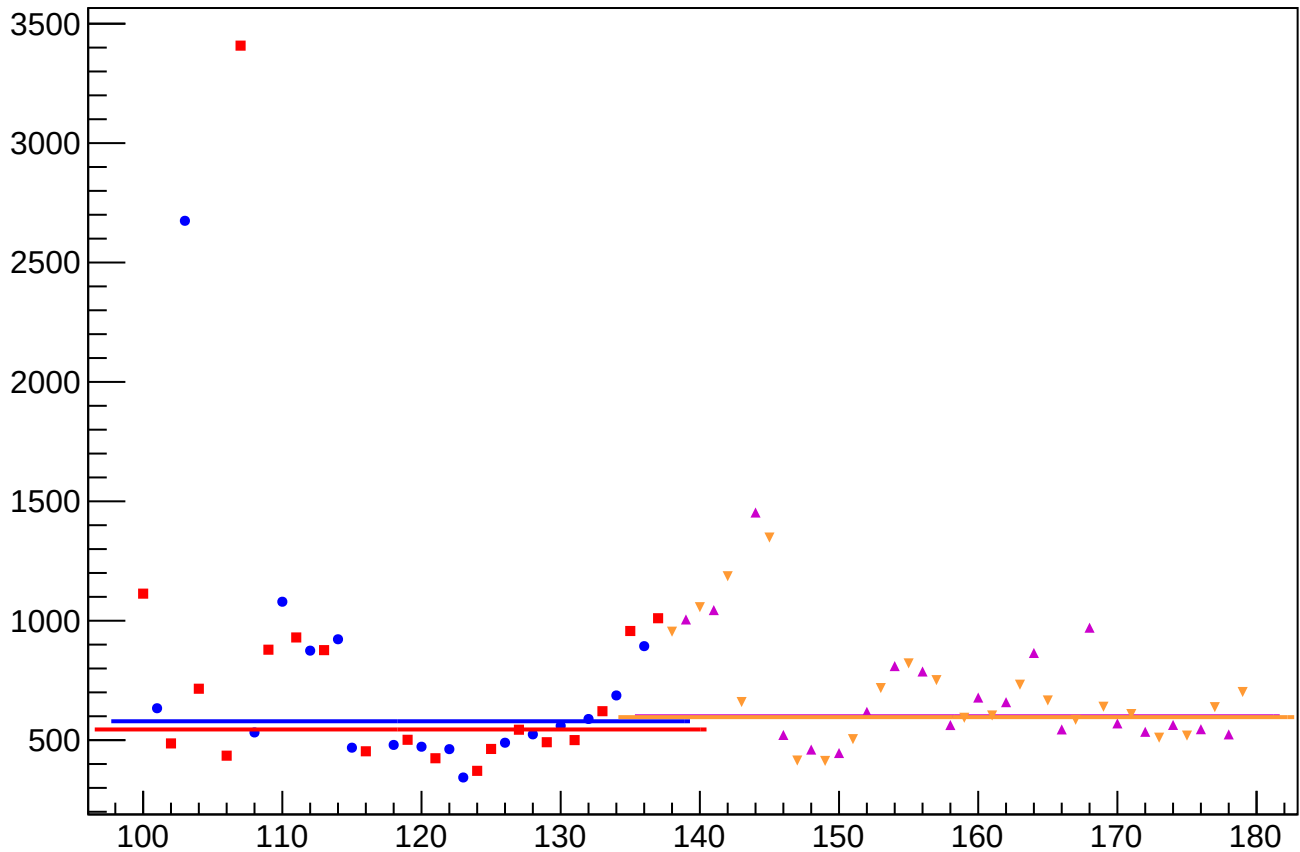
Left In: -85.566 ± 159.133 χ^2/NDF : 9.2/19

+ sign -221.112 ± 129.085 χ^2/NDF : 52.7/38

All: -108.514 ± 91.838 χ^2/NDF : 84.2/77

- sign 6.894 ± 130.686 χ^2/NDF : 29.9/38

asym_at1_avg_correction_rms vs Slug



Right In: 579.010 ± 0.170 χ^2/NDF : 1422148.6/16

Left Out: 596.276 ± 0.108 χ^2/NDF : 2245582.1/21

Right Out: 544.674 ± 0.162 χ^2/NDF : 1457799.9/18

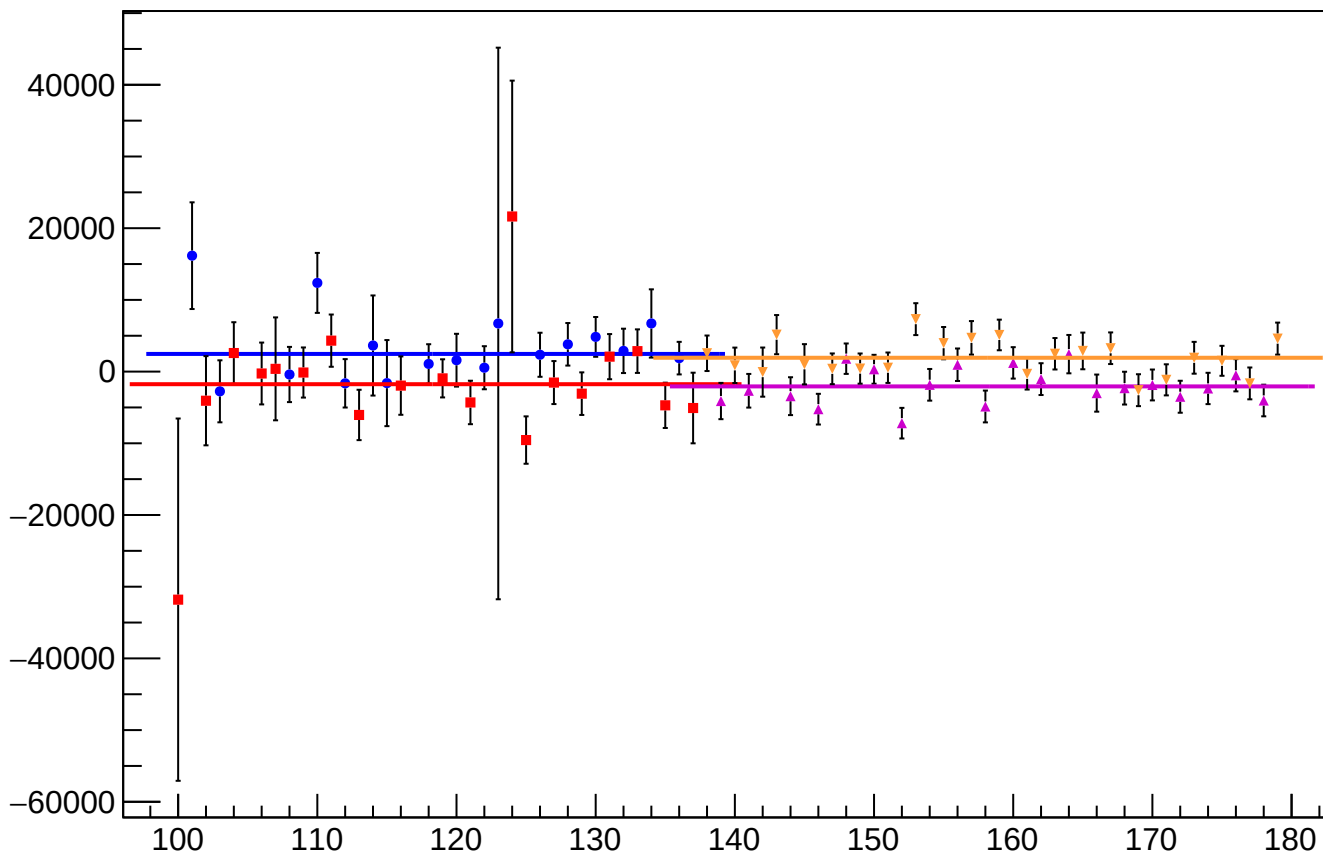
Left In: 599.973 ± 0.113 χ^2/NDF : 2181244.3/19

+ sign 591.290 ± 0.091 χ^2/NDF : 3675079.1/38

All: 586.687 ± 0.065 χ^2/NDF : 7397904.6/77

- sign 581.969 ± 0.092 χ^2/NDF : 3717675.8/38

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

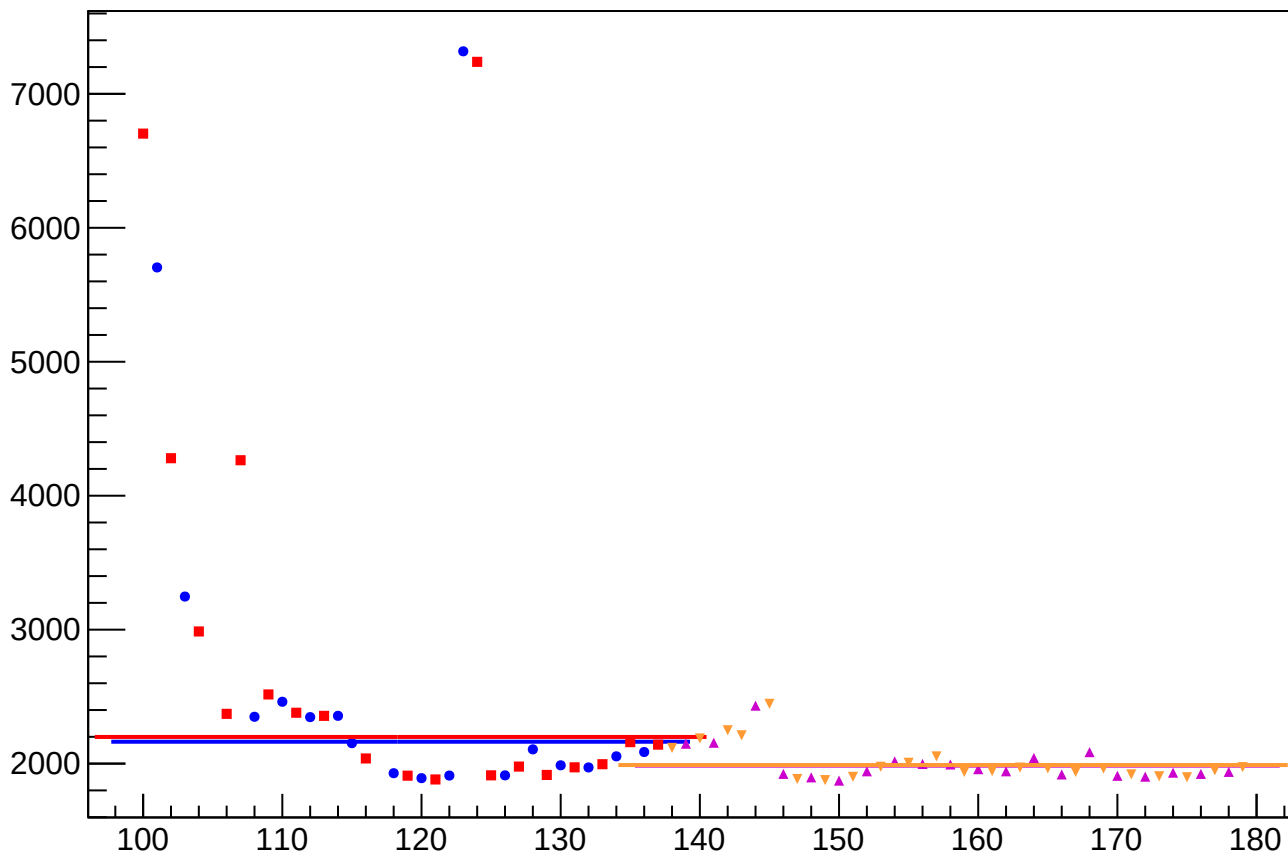
Left In: -2065.366 $\pm$ 505.538 χ^2 /NDF: 24.2/19

+ sign 2059.392 $\pm$ 426.082 χ^2 /NDF: 41.5/38

All: 78.688 $\pm$ 304.368 χ^2 /NDF: 130.4/77

- sign -1985.194 $\pm$ 434.936 χ^2 /NDF: 44.8/38

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

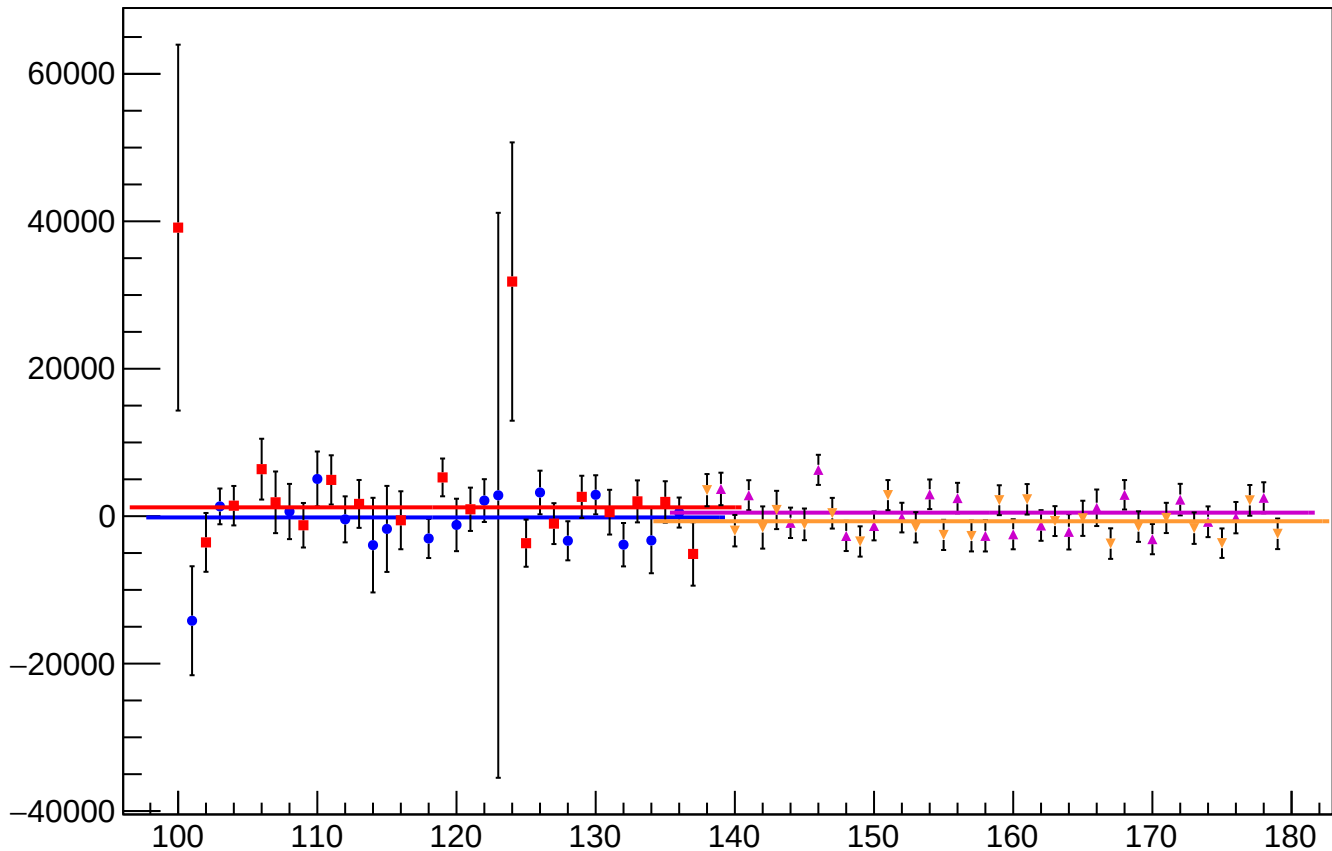
Left In: 1984.811+/-0.357 χ^2/NDF :104916.6/19

+ sign 2031.666+/-0.301 χ^2/NDF : 895833.6/38

All: 2035.973+/-0.215 χ^2/NDF : 1897744.1/77

- sign 2040.460+/-0.308 χ^2/NDF : 1001493.3/38

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

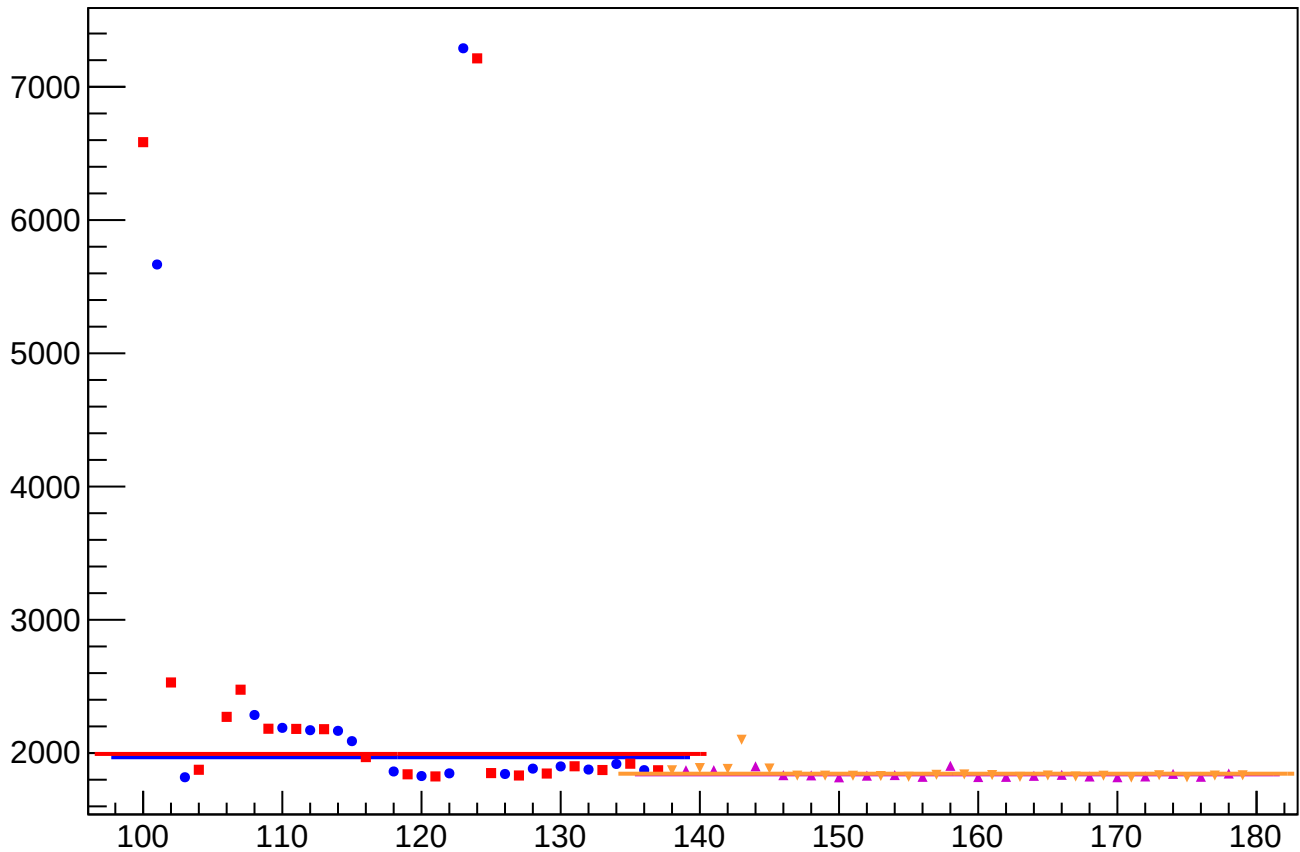
Left In: 476.992 ± 467.941 χ^2/NDF : 30.6/19

+ sign -559.024 ± 392.412 χ^2/NDF : 37.7/38

All: 46.843 ± 279.804 χ^2/NDF : 92.0/77

- sign 673.465 ± 399.077 χ^2/NDF : 49.4/38

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

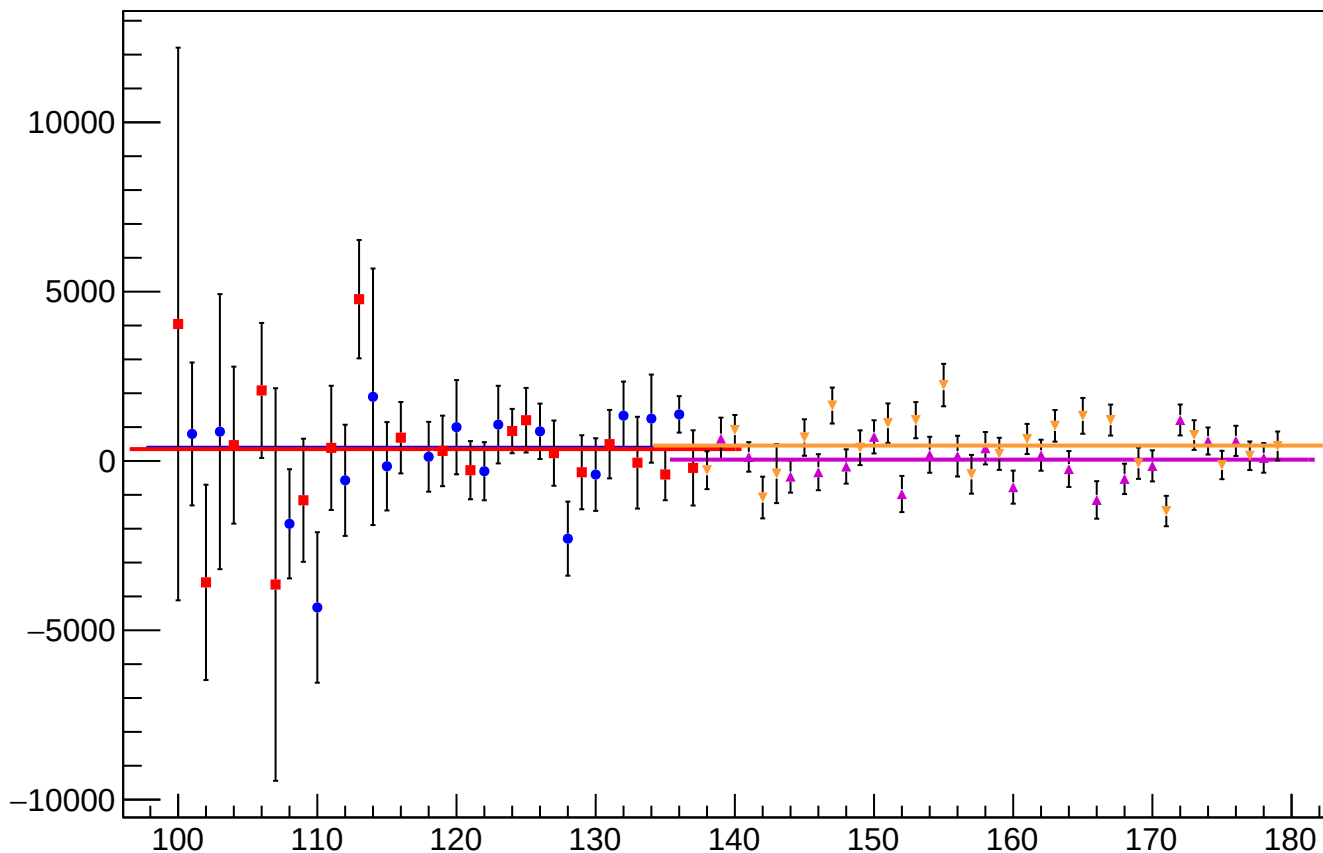
Left In: 1840.145 $\pm$ 0.331 χ^2 /NDF: 5968.0/19

+ sign 1876.148 $\pm$ 0.277 χ^2 /NDF: 664079.3/38

All: 1878.995 $\pm$ 0.198 χ^2 /NDF: 1084945.0/77

- sign 1881.939 $\pm$ 0.282 χ^2 /NDF: 420651.5/38

asym_at1_dd_correction_mean vs Slug



Right In: 390.923+/-270.128 χ^2/NDF : 20.0/16

Left Out: 455.120+/-105.938 χ^2/NDF : 58.7/21

Right Out: 350.642+/-266.097 χ^2/NDF : 14.2/18

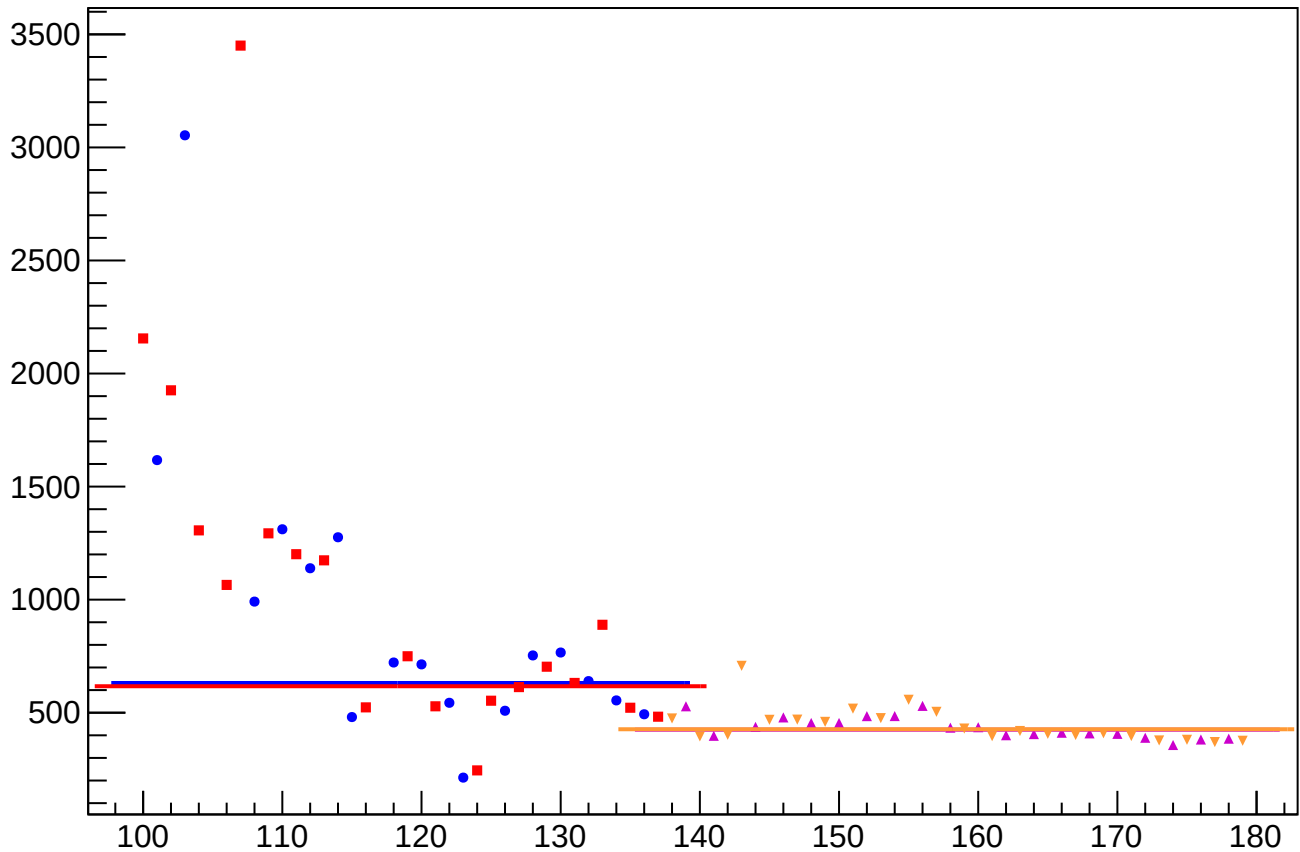
Left In: 39.361+/-108.553 χ^2/NDF : 28.4/19

+ sign 446.563+/-98.625 χ^2/NDF : 78.8/38

All: 268.605+/-70.396 χ^2/NDF : 129.3/77

- sign 83.773+/-100.511 χ^2/NDF : 43.8/38

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

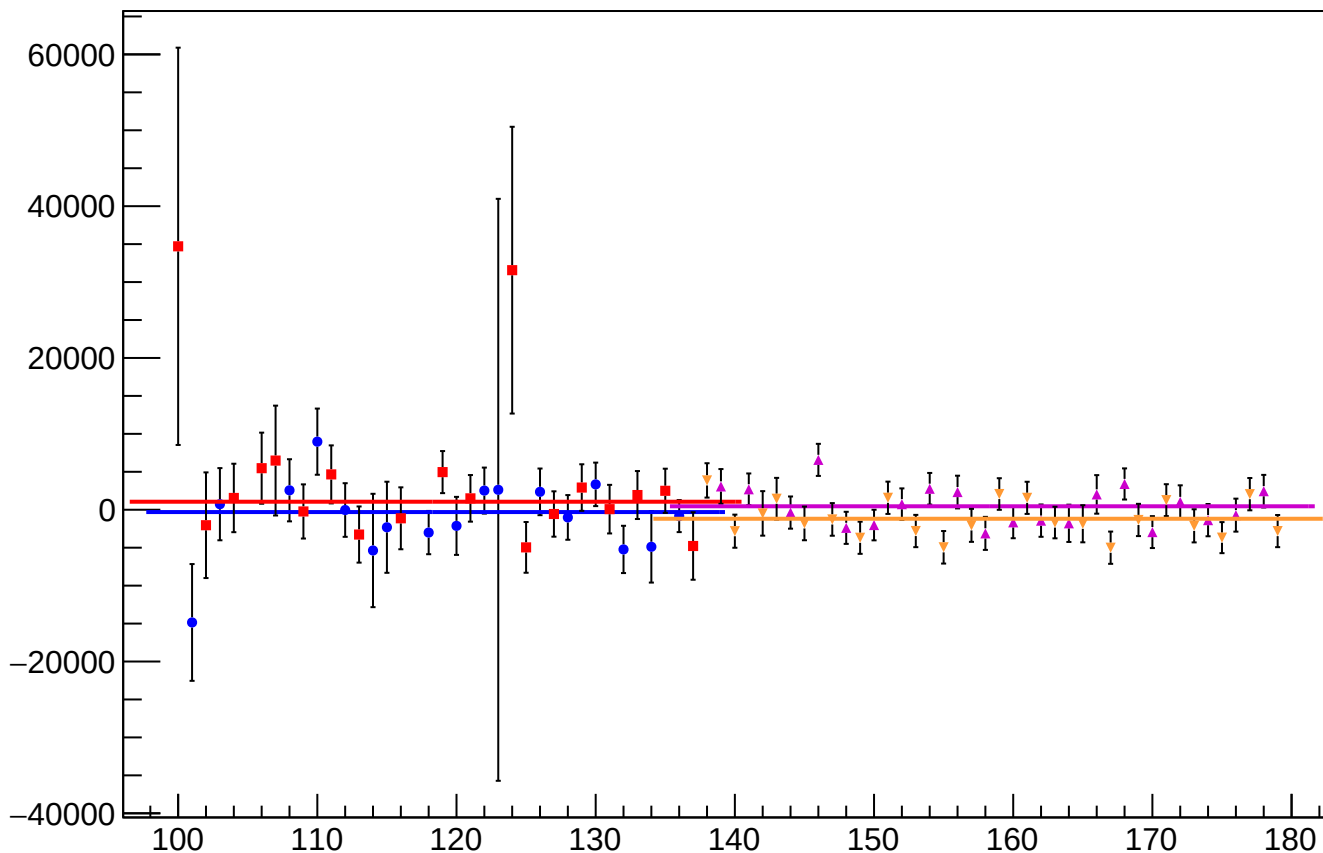
Left In: 424.855 $\pm$ 0.077 χ^2 /NDF: 334030.8/19

+ sign 454.082 $\pm$ 0.070 χ^2 /NDF: 3858439.3/38

All: 453.195 $\pm$ 0.050 χ^2 /NDF: 7889314.4/77

- sign 452.275 $\pm$ 0.071 χ^2 /NDF: 4030545.7/38

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

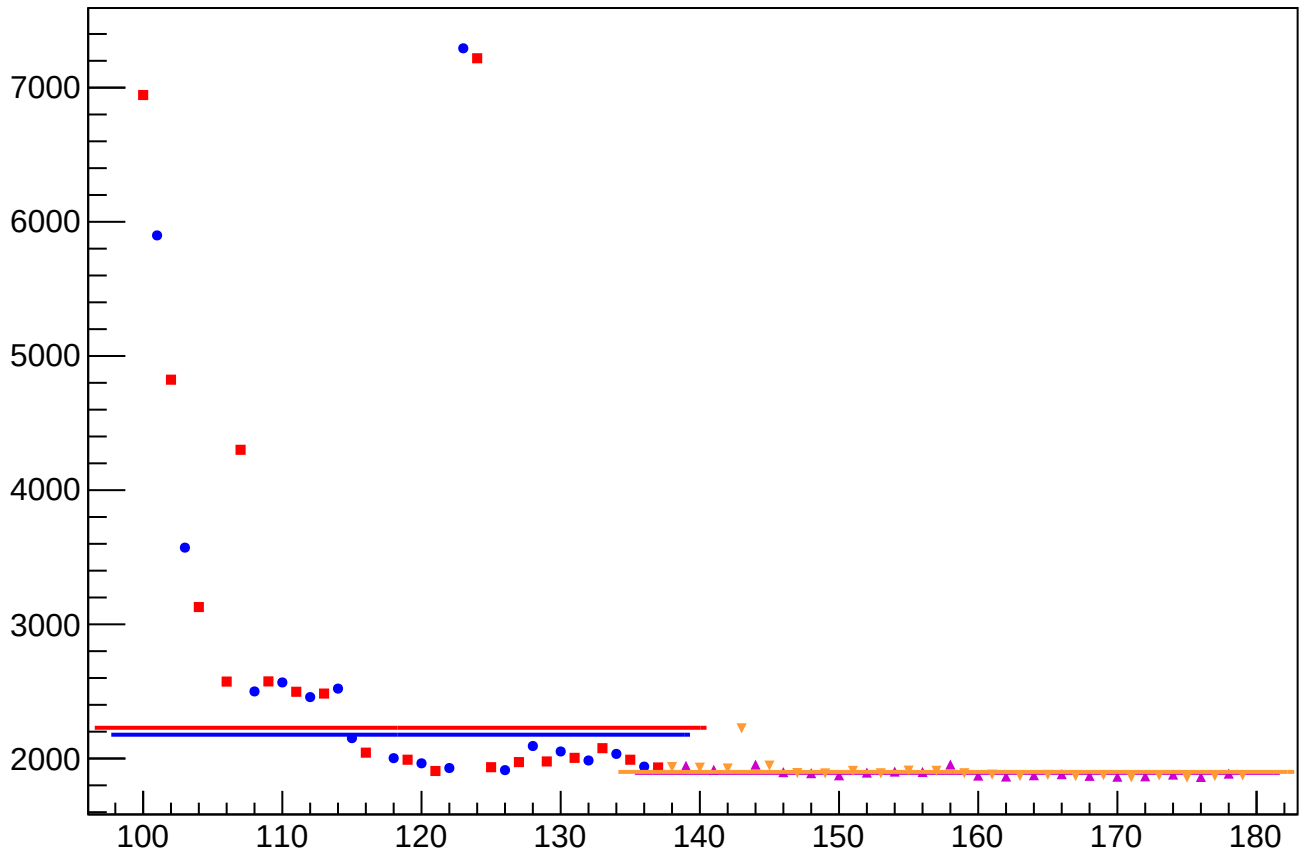
Left In: 455.978 ± 481.351 χ^2/NDF : 28.6/19

+ sign -991.025 ± 411.782 χ^2/NDF : 44.9/38

All: -214.170 ± 294.342 χ^2/NDF : 97.8/77

- sign 597.442 ± 420.892 χ^2/NDF : 45.6/38

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

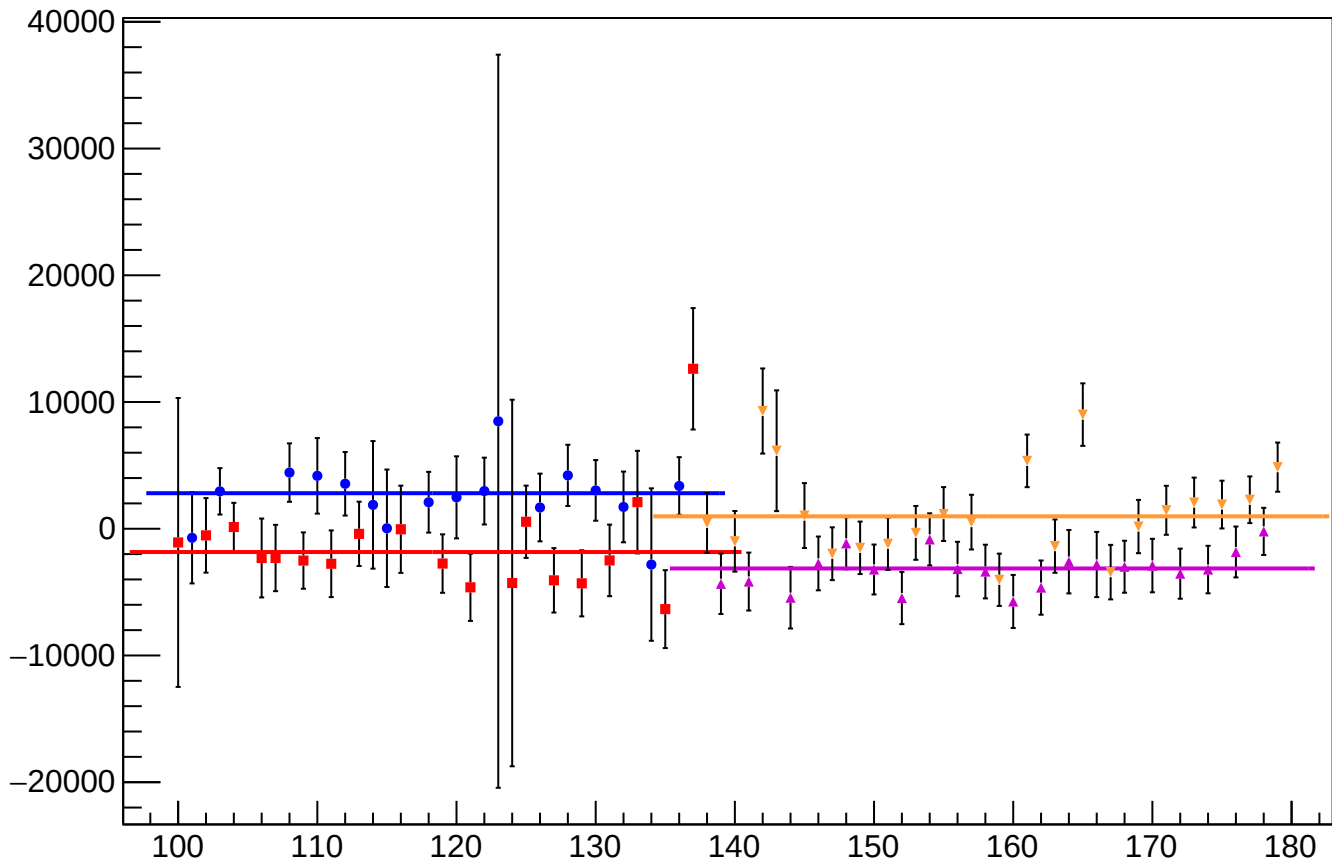
Left In: 1893.026 $\pm$ 0.340 χ^2 /NDF:6880.8/19

+ sign 1961.996 $\pm$ 0.291 χ^2 /NDF: 994256.8/38

All: 1966.950 $\pm$ 0.208 χ^2 /NDF: 2126949.6/77

- sign 1972.127 $\pm$ 0.298 χ^2 /NDF: 1132100.7/38

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917 ± 678.548 χ^2/NDF : 3.9/16

Left Out: 980.476 ± 463.070 χ^2/NDF : 44.6/21

Right Out: -1837.168 ± 655.307 χ^2/NDF : 18.0/18

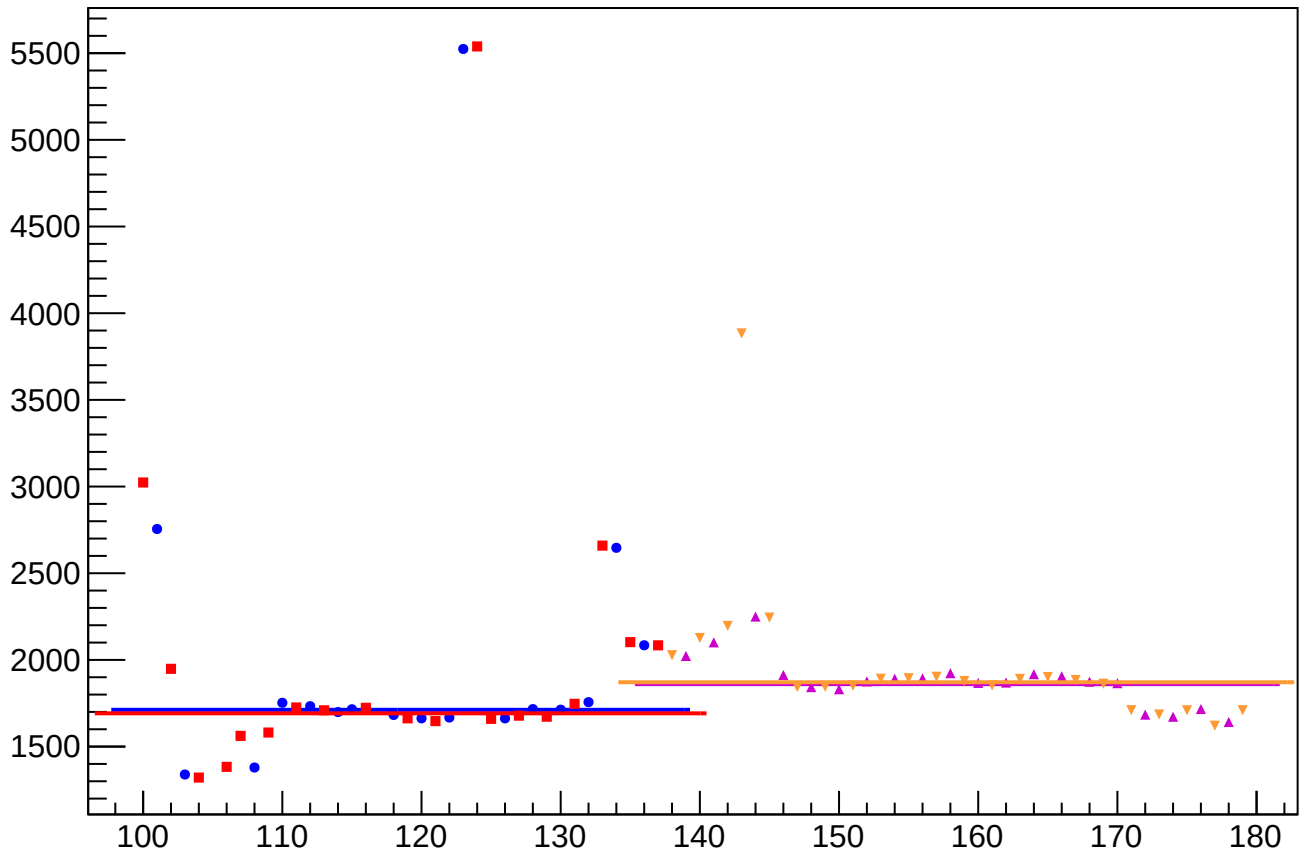
Left In: -3134.752 ± 473.263 χ^2/NDF : 9.9/19

+ sign 1559.865 ± 382.490 χ^2/NDF : 53.5/38

All: -558.510 ± 270.877 χ^2/NDF : 145.6/77

- sign -2689.958 ± 383.669 χ^2/NDF : 30.6/38

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

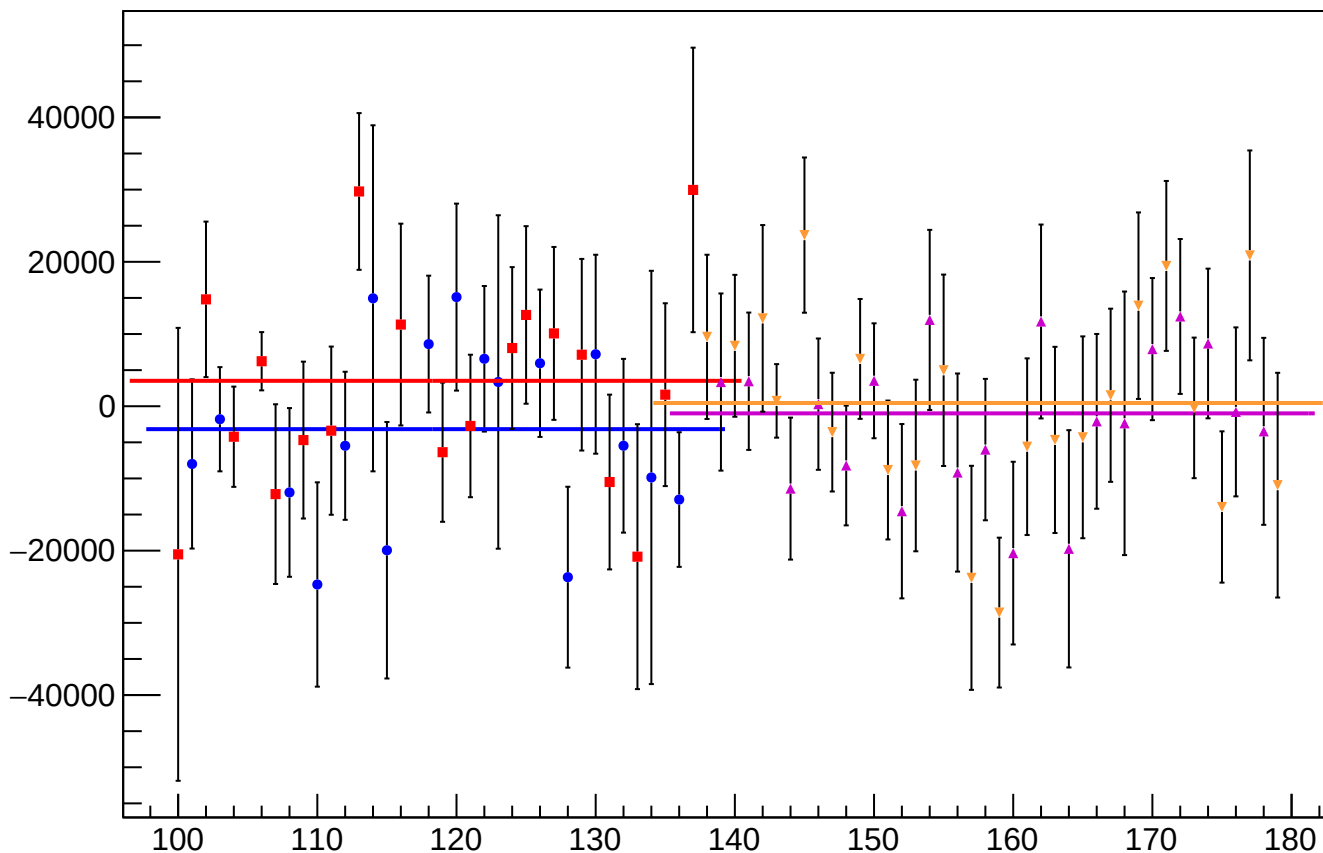
Left In: 1860.281 ± 0.335 χ^2/NDF : 163335.9/19

+ sign 1820.637 ± 0.270 χ^2/NDF : 1056475.9/38

All: 1811.601 ± 0.192 χ^2/NDF : 1763915.3/77

- sign 1802.509 ± 0.271 χ^2/NDF : 705200.1/38

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 $\chi^2/\text{NDF}: 19.5/18$

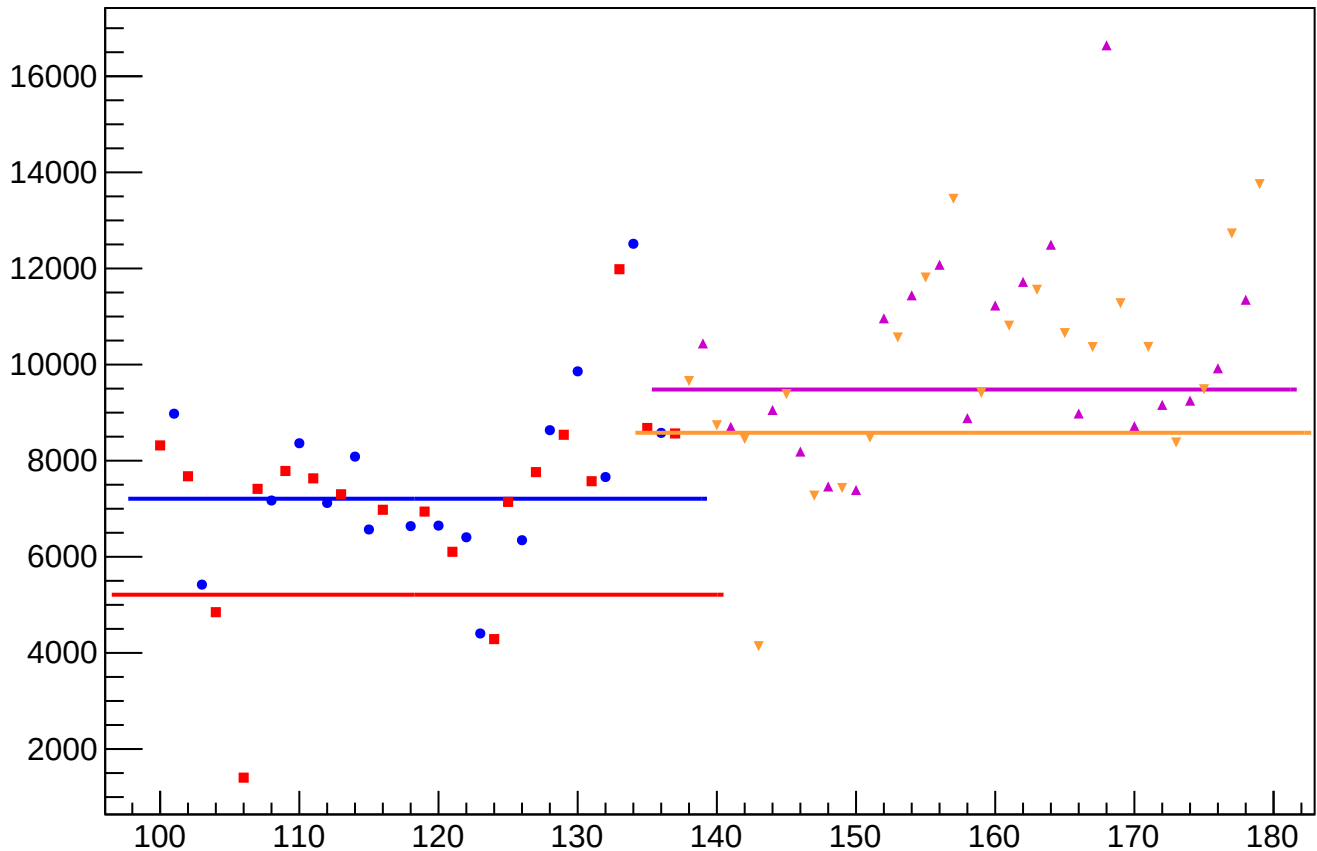
Left In: -987.571 ± 2451.264 $\chi^2/\text{NDF}: 13.4/19$

+ sign -913.504 ± 1748.462 $\chi^2/\text{NDF}: 43.4/38$

All: 322.664 ± 1205.440 $\chi^2/\text{NDF}: 79.1/77$

- sign 1442.501 ± 1664.160 $\chi^2/\text{NDF}: 34.7/38$

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

Right Out: 5211.187+/-1.603 χ^2/NDF : 3196870.2/18

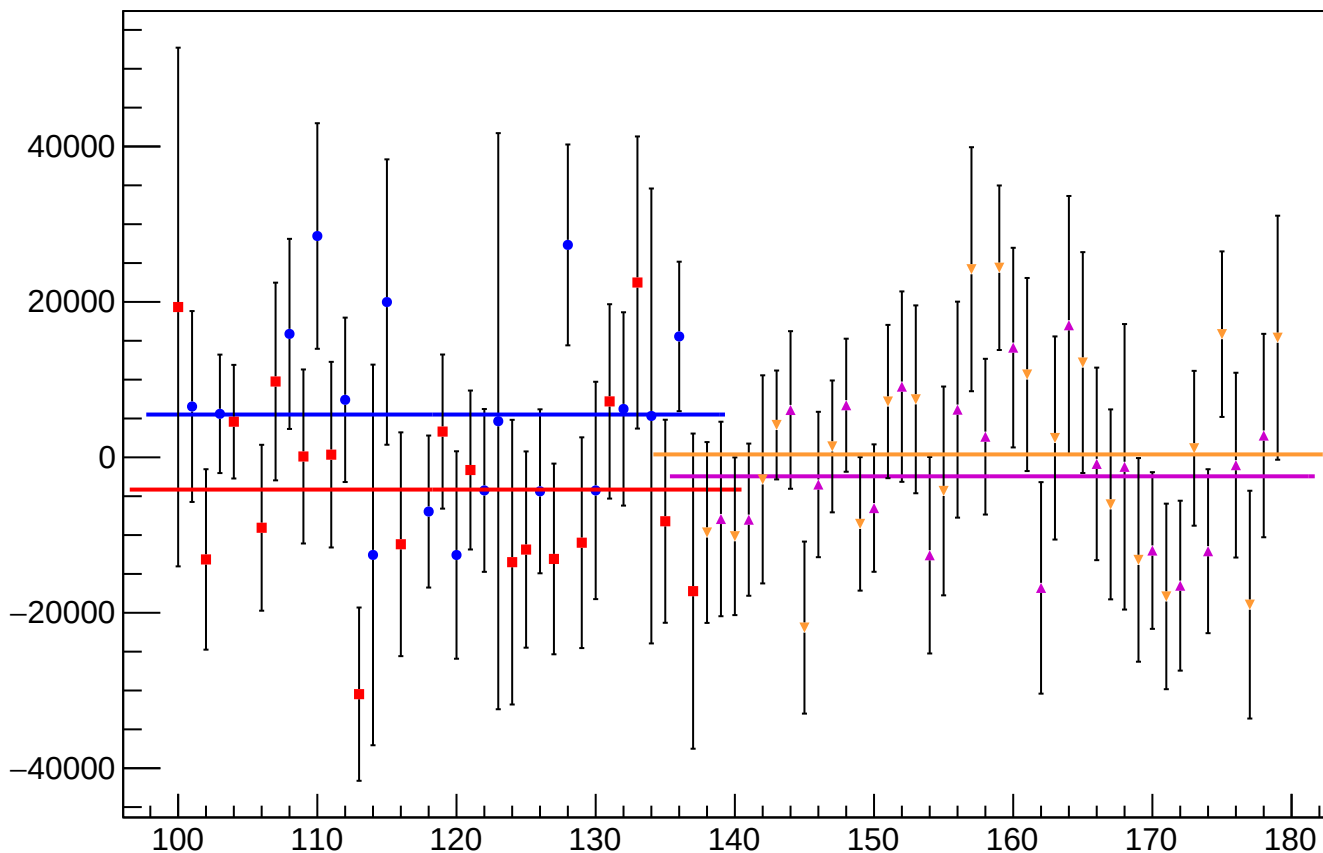
Left In: 9480.932+/-1.733 χ^2/NDF : 1016559.0/19

+ sign 8065.268+/-1.236 χ^2/NDF : 3577496.5/38

All: 7600.321+/-0.852 χ^2/NDF : 11331766.1/7

- sign 7179.128+/-1.177 χ^2/NDF : 7484729.5/38

asym_at2_avg_mean vs Slug



Right In: 5509.395+/-2971.033 χ^2/NDF : 14.1/16

Left Out: 378.520+/-2365.229 χ^2/NDF : 25.6/21

Right Out: -4146.067+/-2790.212 χ^2/NDF : 15.4/18

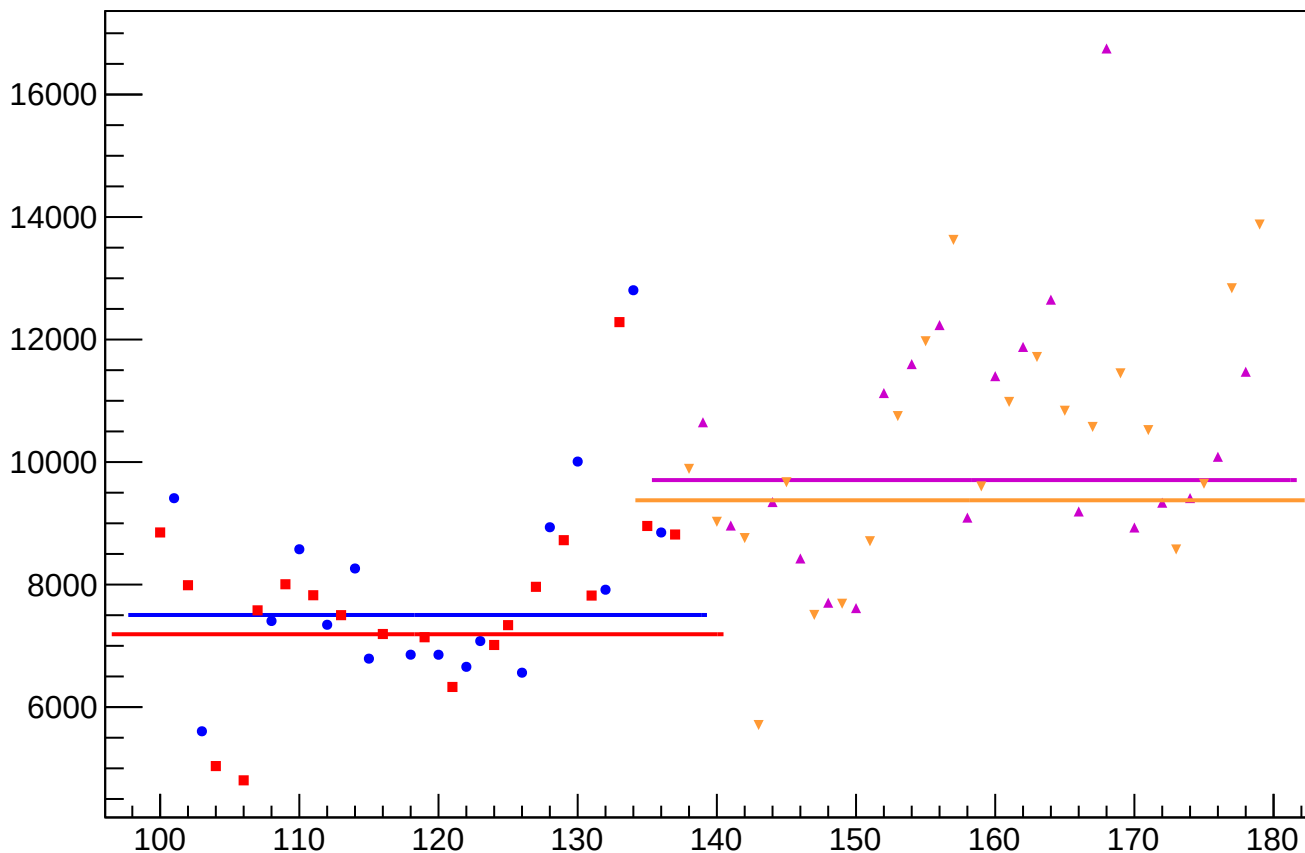
Left In: -2439.556+/-2506.093 χ^2/NDF : 12.5/19

+ sign 2368.881+/-1850.452 χ^2/NDF : 41.5/38

All: -395.323+/-1313.391 χ^2/NDF : 74.1/77

- sign -3201.529+/-1864.457 χ^2/NDF : 28.2/38

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

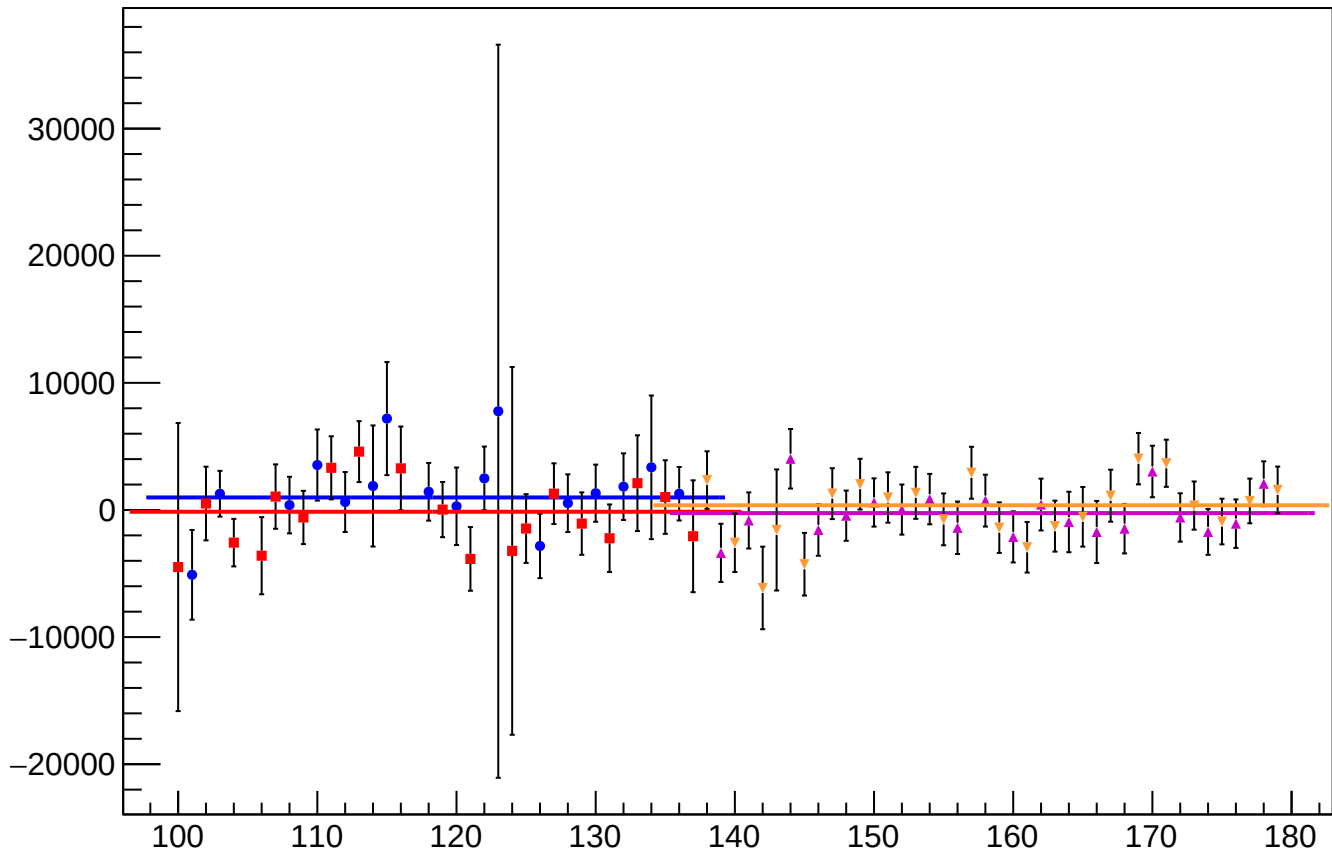
Left In: 9705.863 $\pm$ 1.772 χ^2 /NDF:948204.2/19

+ sign 8649.635 $\pm$ 1.308 χ^2 /NDF: 2402359.3/38

All: 8616.073 $\pm$ 0.929 χ^2 /NDF: 4810265.5/77

- sign 8582.004 $\pm$ 1.318 χ^2 /NDF: 2406580.4/38

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

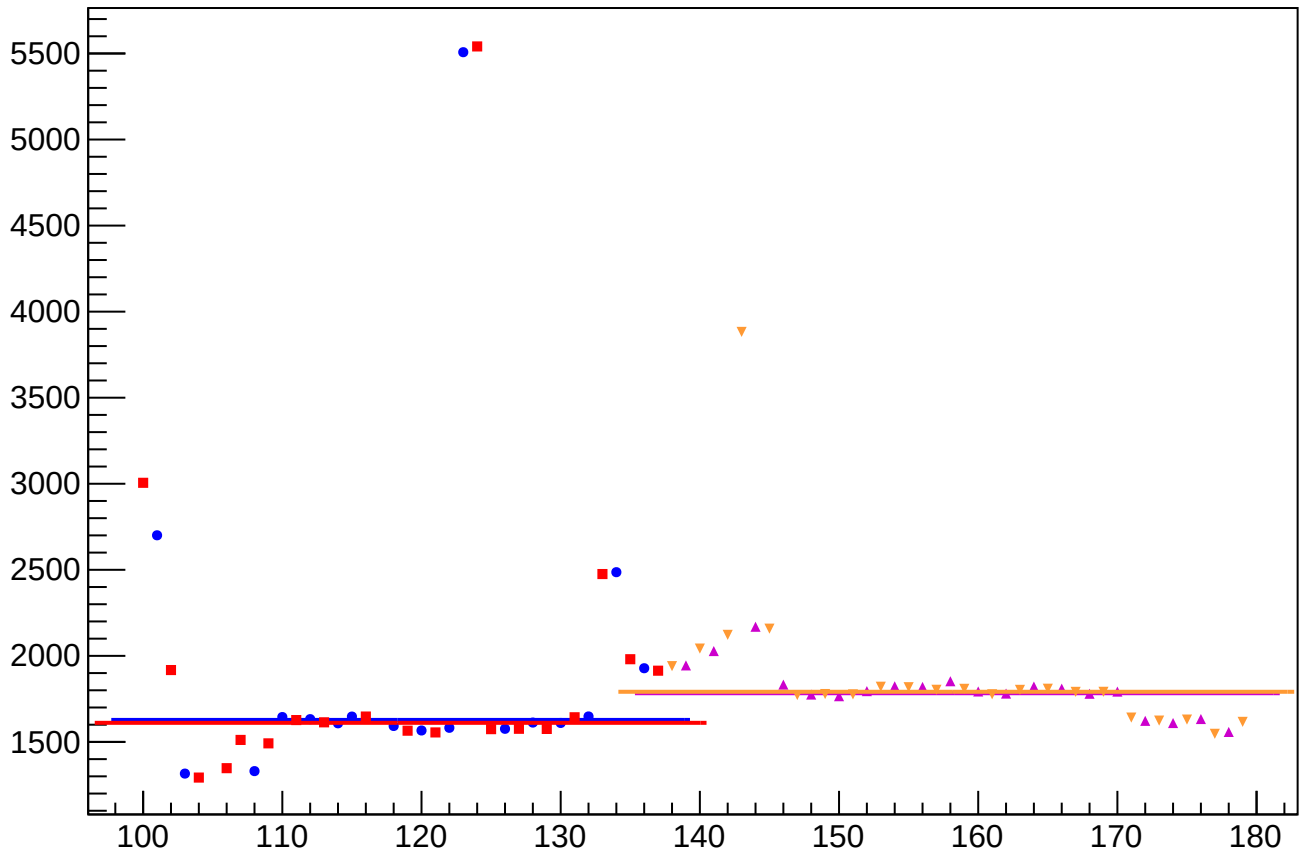
Left In: -245.444 ± 453.653 χ^2/NDF : 13.8/19

+ sign 566.852 ± 365.427 χ^2/NDF : 34.8/38

All: 180.686 ± 258.895 χ^2/NDF : 65.6/77

- sign -208.474 ± 366.841 χ^2/NDF : 28.5/38

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836+/-0.456 χ^2/NDF : 407106.6/16

Left Out: 1791.354+/-0.314 χ^2/NDF : 586082.3/21

Right Out: 1610.948+/-0.441 χ^2/NDF : 433960.8/18

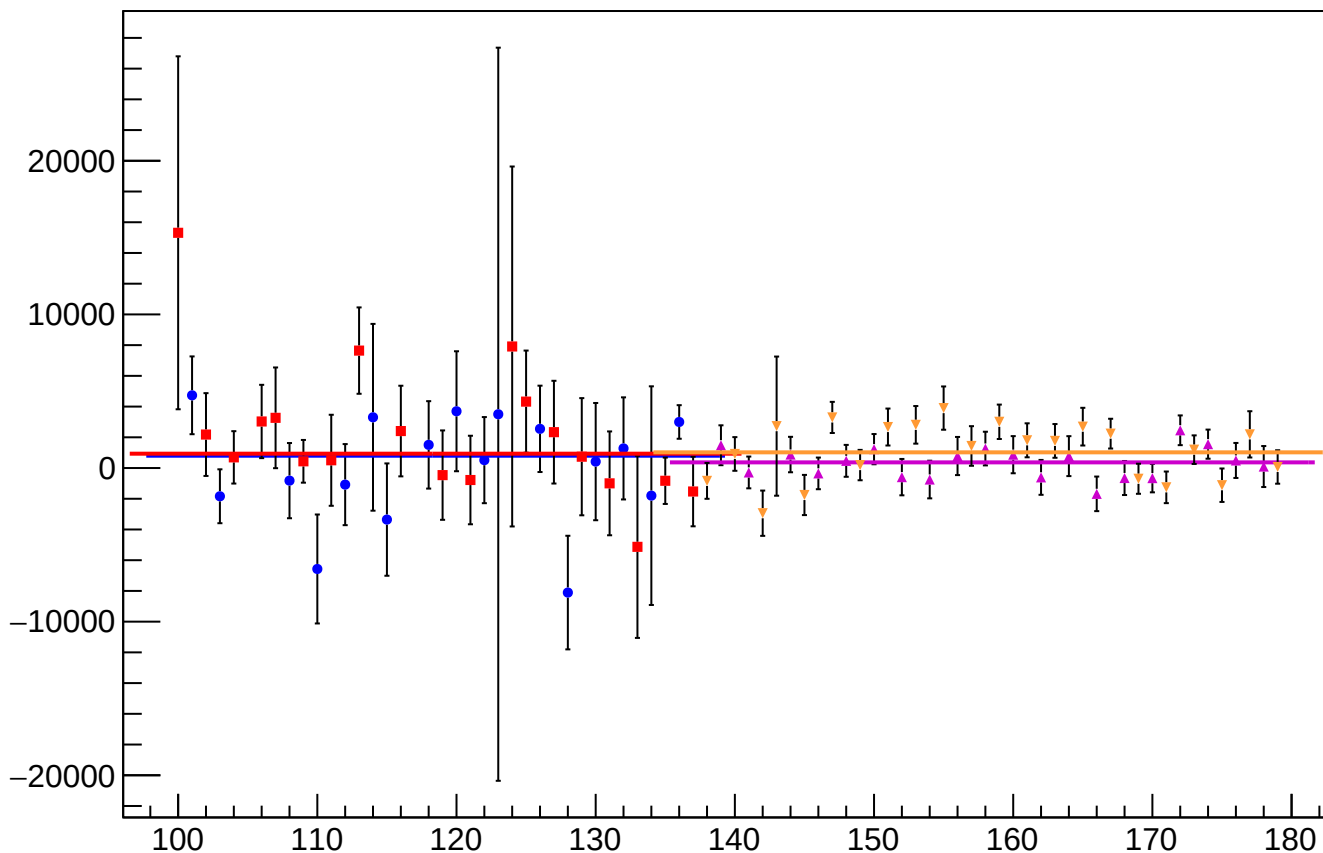
Left In: 1782.898+/-0.321 χ^2/NDF : 172658.9/19

+ sign 1738.807+/-0.258 χ^2/NDF : 1080523.6/38

All: 1731.126+/-0.183 χ^2/NDF : 1788364.9/77

- sign 1723.385+/-0.259 χ^2/NDF : 706067.2/38

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

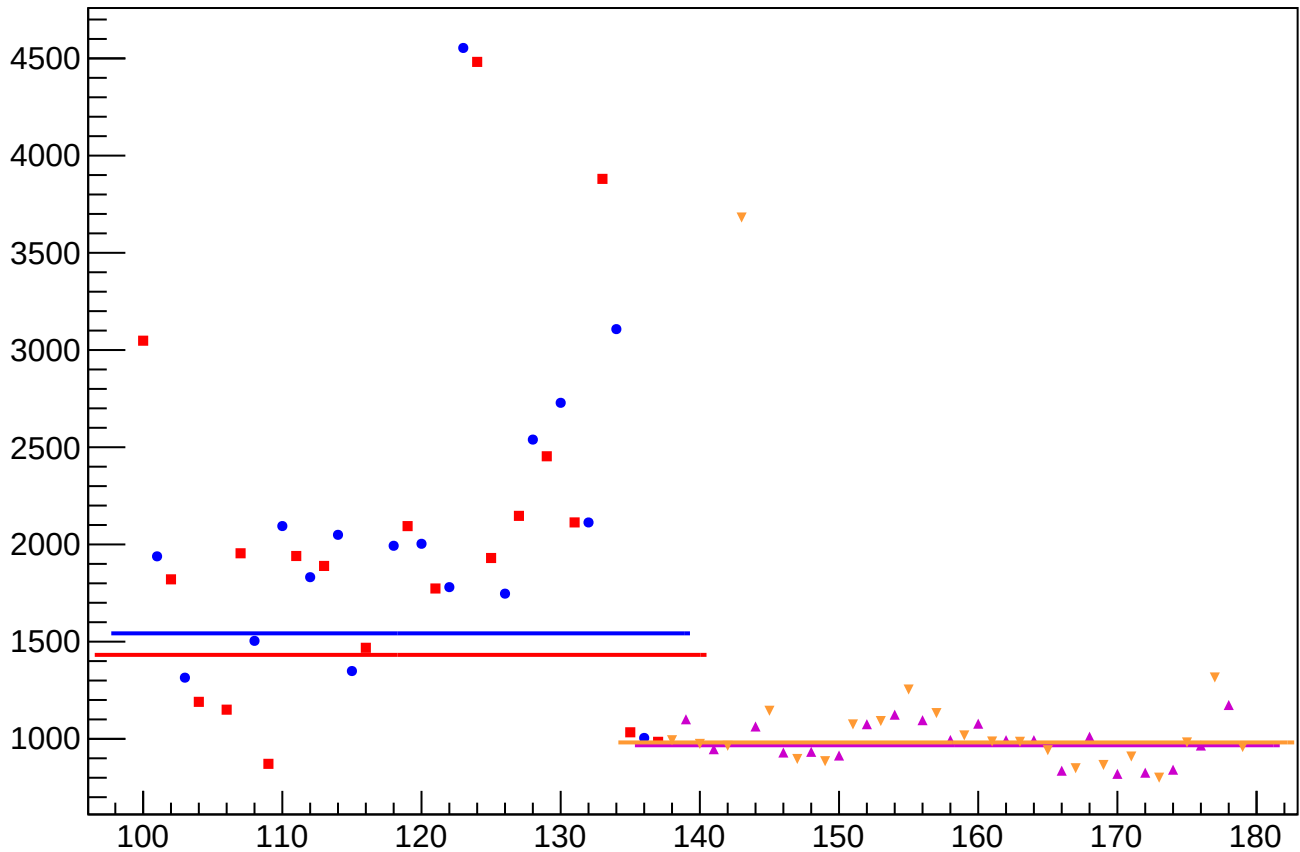
Left In: 368.367 $\pm$ 247.112 χ^2 /NDF: 17.5/19

+ sign 992.639 $\pm$ 228.979 χ^2 /NDF: 71.8/38

All: 721.456 $\pm$ 161.534 χ^2 /NDF: 108.2/77

- sign 452.796 $\pm$ 227.912 χ^2 /NDF: 33.6/38

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705+/-0.447 χ^2/NDF : 1287946.3/16

Left Out: 981.650+/-0.174 χ^2/NDF : 1160574.1/21

Right Out: 1432.013+/-0.417 χ^2/NDF : 1823809.4/18

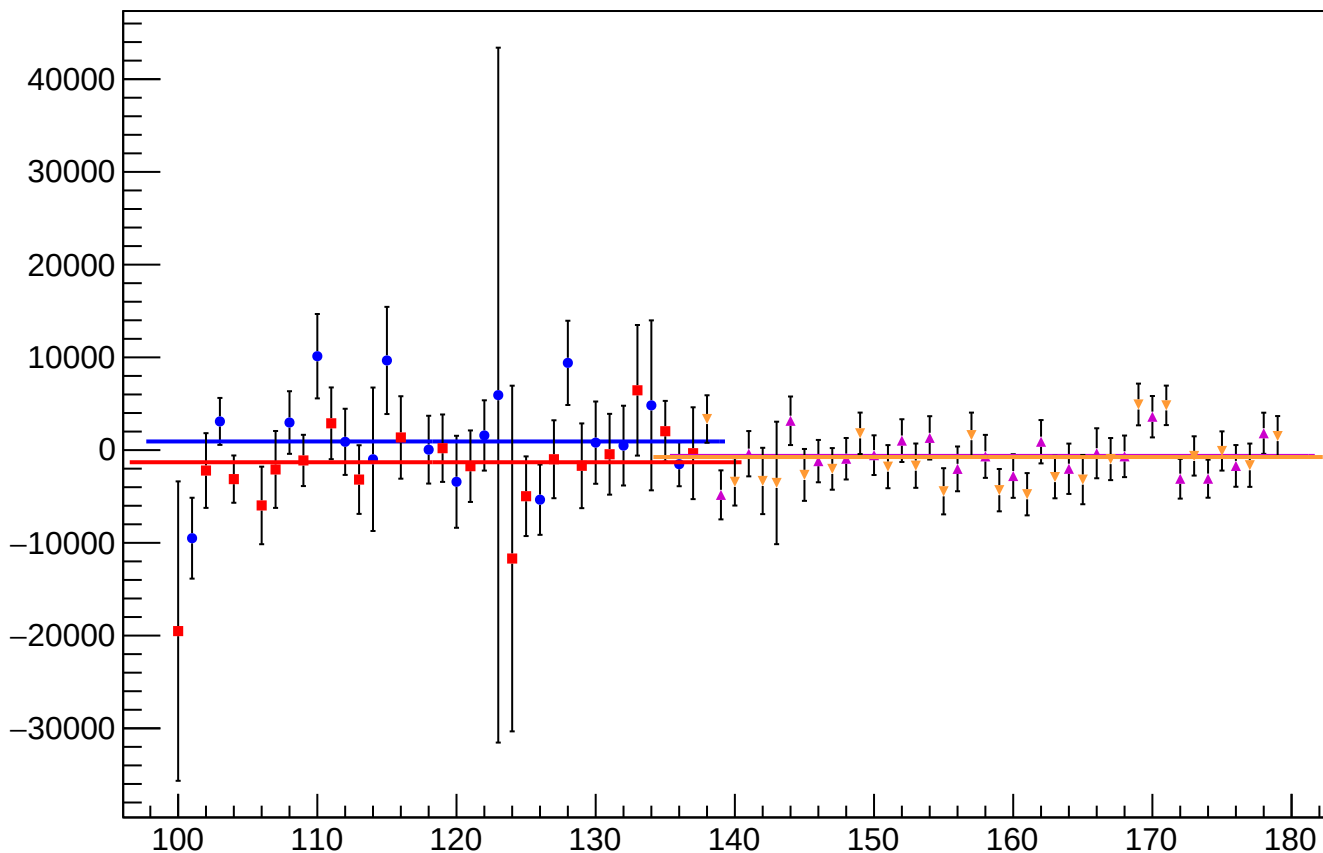
Left In: 967.043+/-0.175 χ^2/NDF : 344050.6/19

+ sign 1055.374+/-0.162 χ^2/NDF : 3818992.8/38

All: 1045.888+/-0.114 χ^2/NDF : 7051293.9/77

- sign 1036.491+/-0.161 χ^2/NDF : 3225468.1/38

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

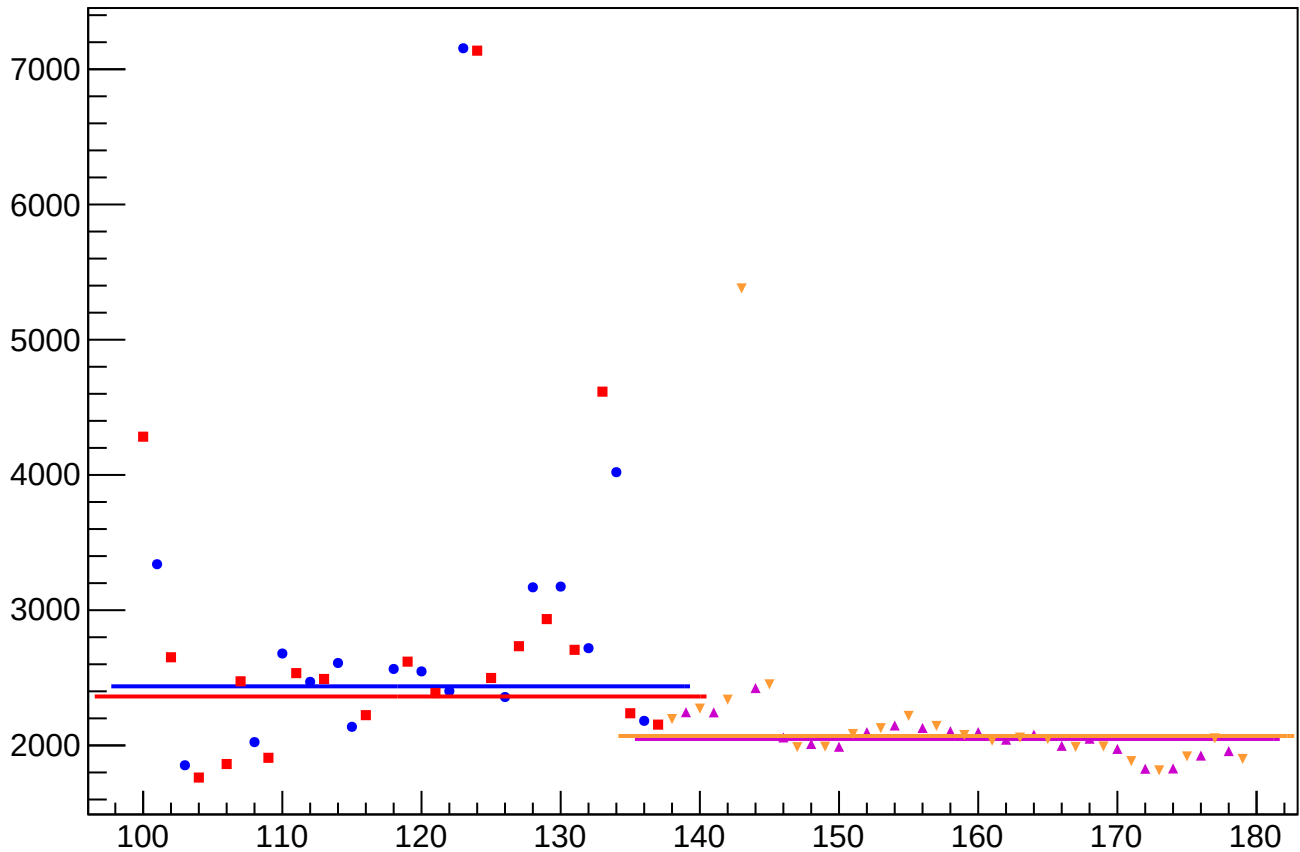
Left In: -625.204 ± 520.694 χ^2/NDF : 15.6/19

+ sign -377.459 ± 453.315 χ^2/NDF : 55.8/38

All: -583.183 ± 320.711 χ^2/NDF : 80.6/77

- sign -789.341 ± 453.793 χ^2/NDF : 24.5/38

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

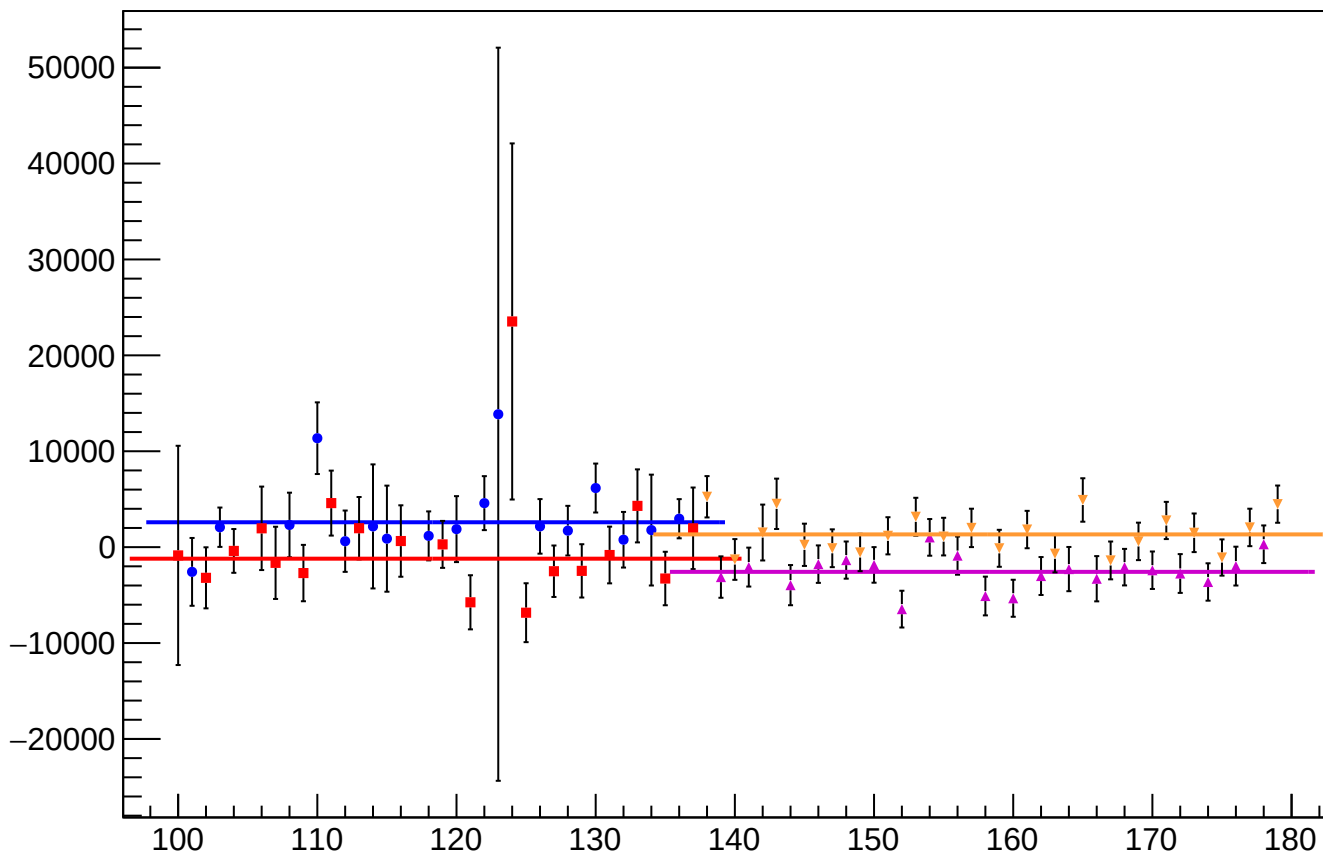
Left In: 2047.759 ± 0.368 χ^2/NDF : 132676.7/19

+ sign 2150.266 ± 0.321 χ^2/NDF : 1349743.8/38

All: 2136.793 ± 0.227 χ^2/NDF : 2316831.7/77

- sign 2123.293 ± 0.321 χ^2/NDF : 963551.3/38

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

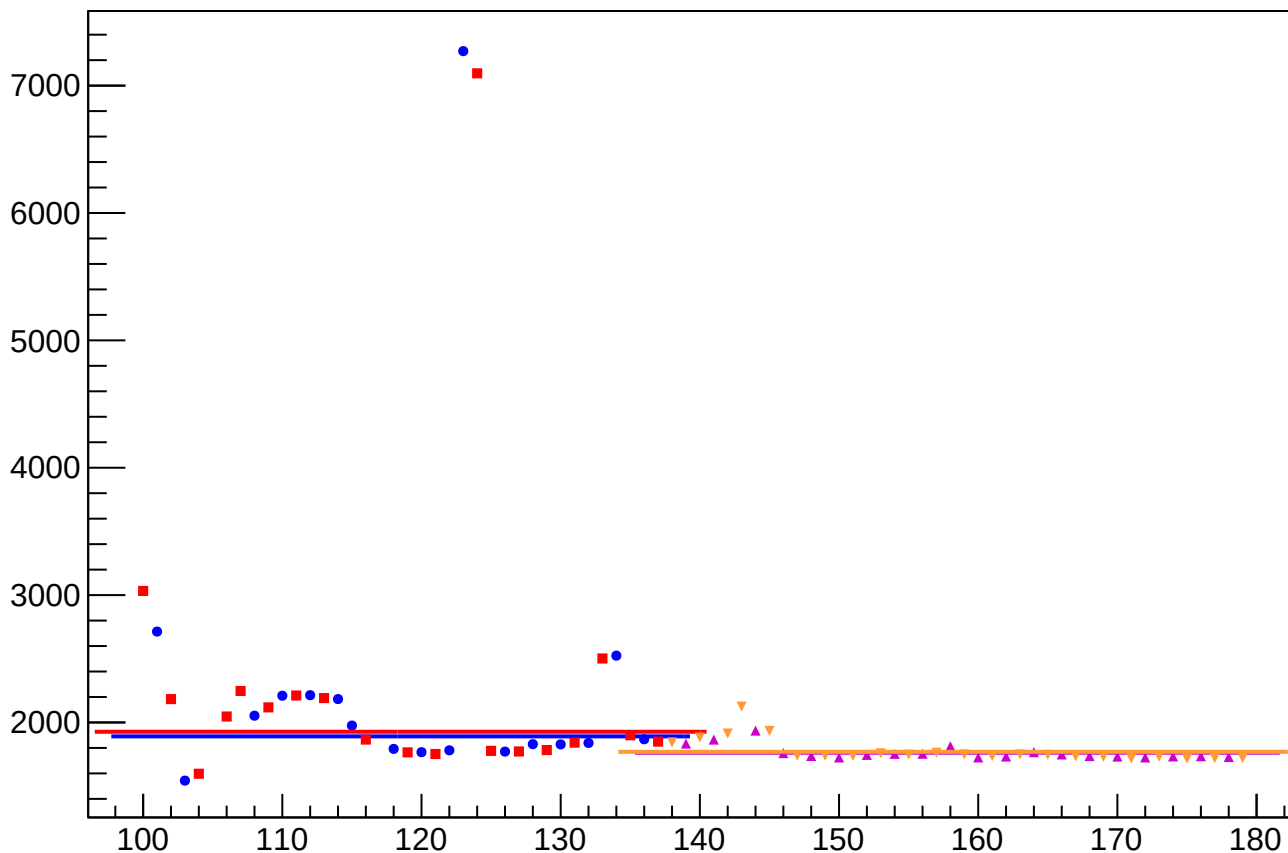
Left In: -2576.447 ± 447.766 χ^2/NDF : 16.0/19

+ sign 1652.677 ± 375.357 χ^2/NDF : 34.1/38

All: -238.531 ± 268.093 χ^2/NDF : 121.6/77

- sign -2207.954 ± 383.040 χ^2/NDF : 35.8/38

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

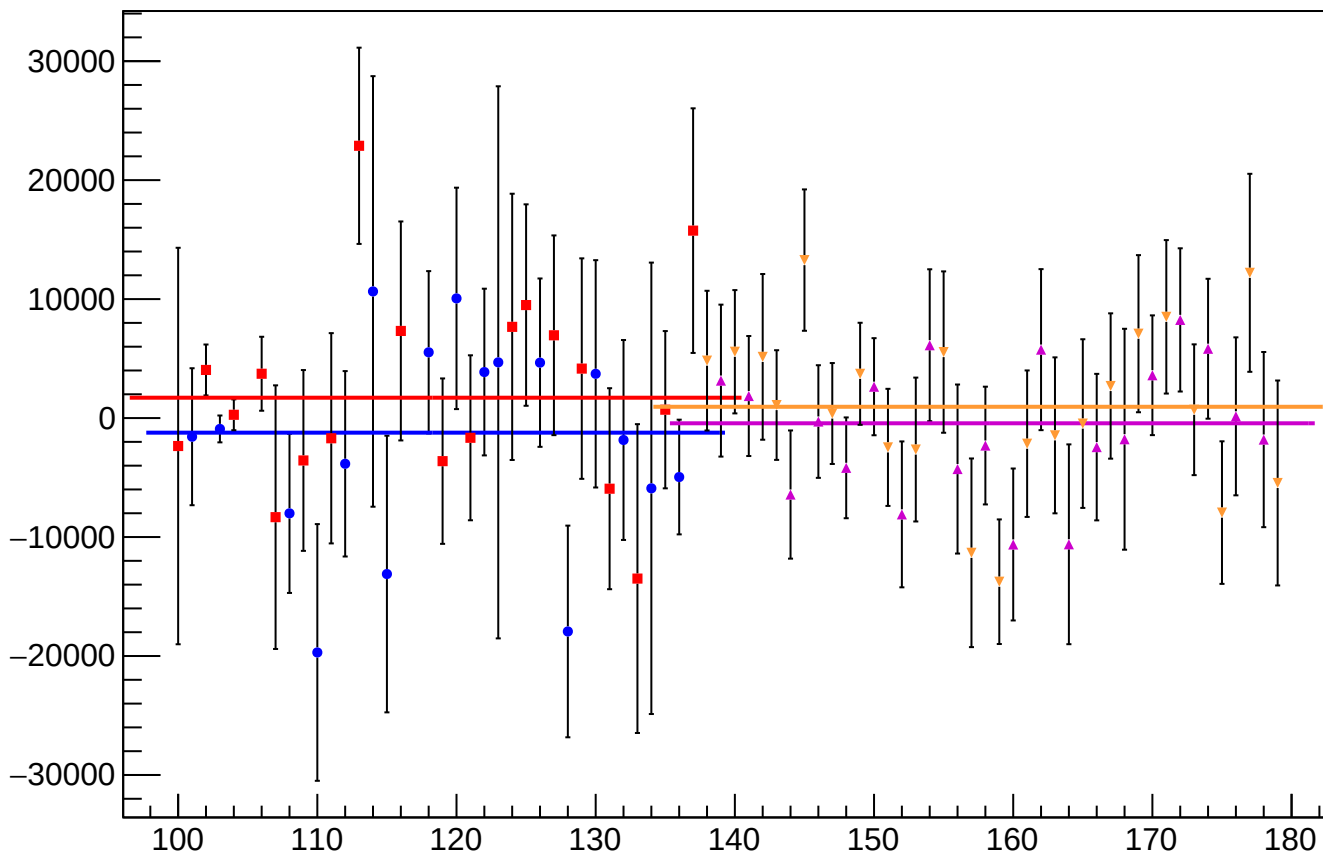
Left In: 1762.272+/-0.317 χ^2/NDF : 27953.7/19

+ sign 1800.394+/-0.265 χ^2/NDF : 399926.2/38

All: 1803.407+/-0.190 χ^2/NDF : 863120.0/77

- sign 1806.541+/-0.271 χ^2/NDF : 462930.9/38

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

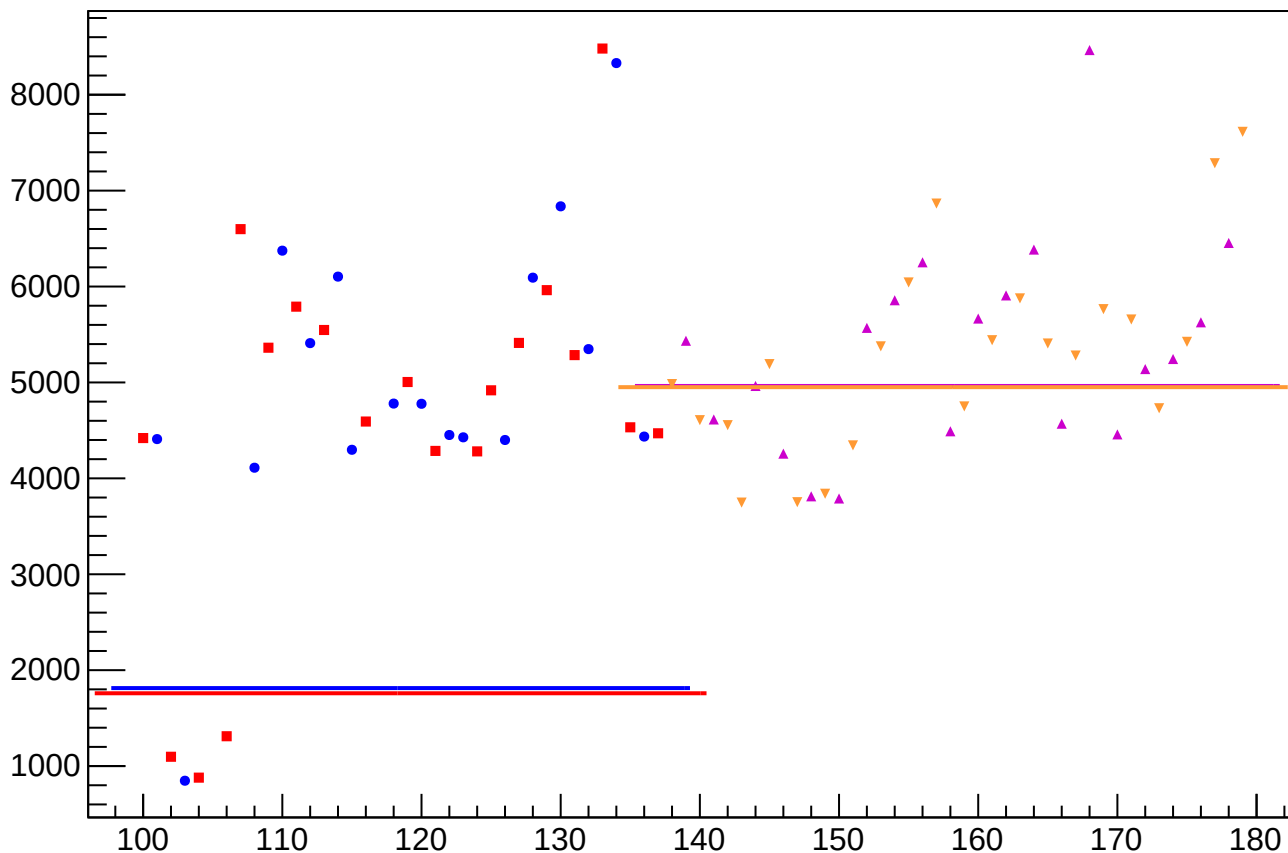
Left In: -438.330 $\pm$ 1284.457 χ^2 /NDF: 15.0/19

+ sign -388.032 $\pm$ 771.813 χ^2 /NDF: 41.0/38

All: 297.022 $\pm$ 541.310 χ^2 /NDF: 77.2/77

- sign 960.210 $\pm$ 759.395 χ^2 /NDF: 34.7/38

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

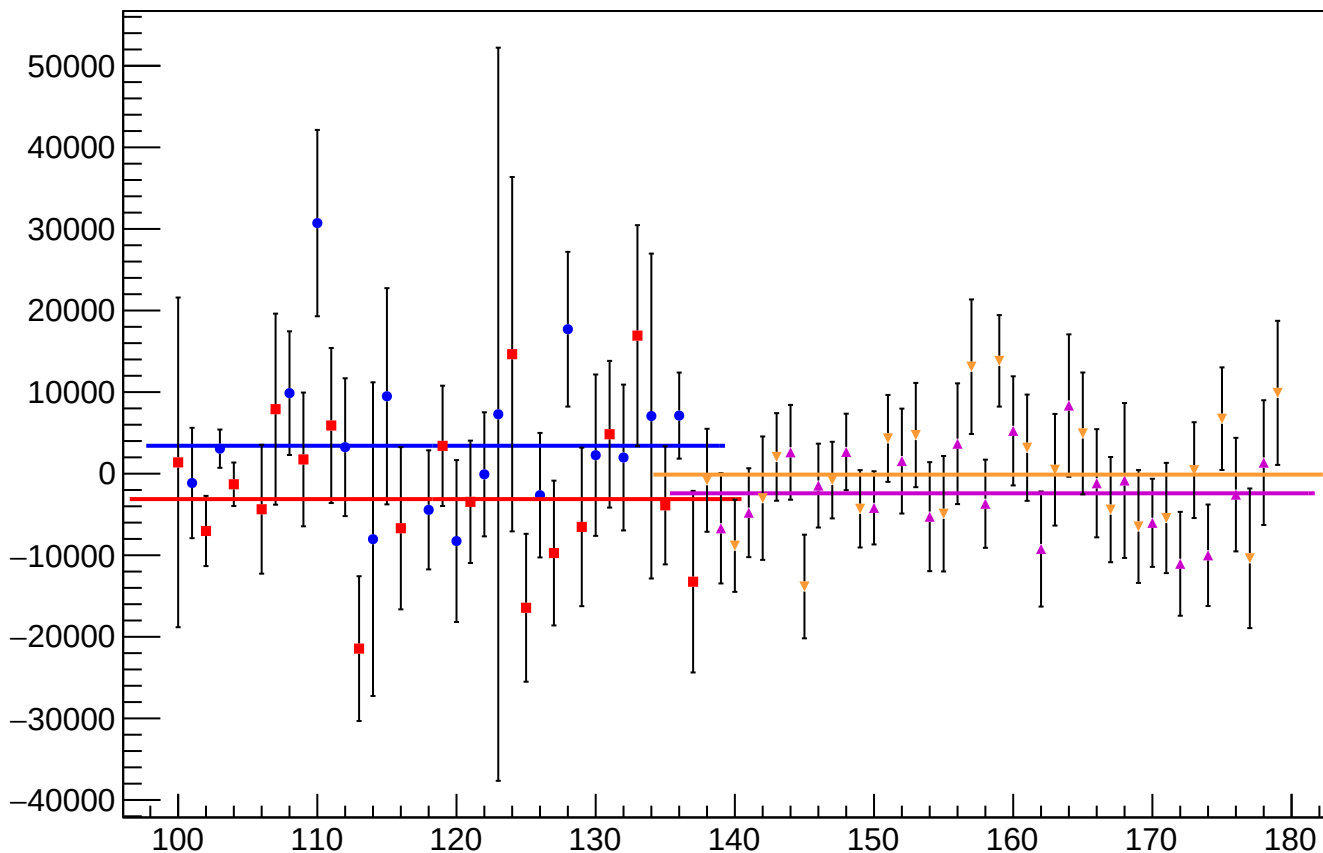
Left In: 4963.262+/-0.908 χ^2/NDF : 1062340.9/19

+ sign 3022.811+/-0.546 χ^2/NDF : 15424689.6/38

All: 2949.792+/-0.383 χ^2/NDF : 30930597.5/77

- sign 2879.104+/-0.537 χ^2/NDF : 15470677.7/38

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

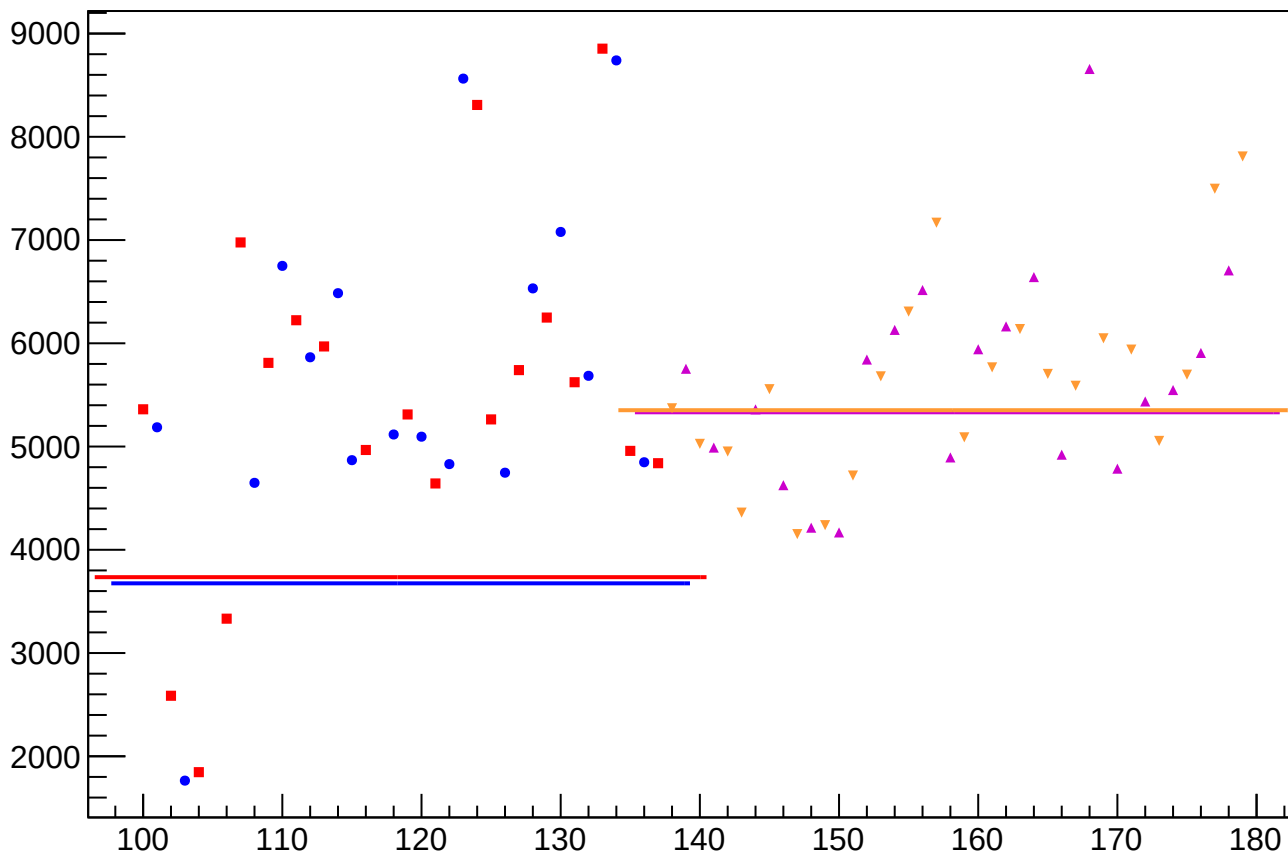
Left In: -2406.968+/-1374.599 χ^2/NDF : 11.8/19

+ sign 1332.596+/-1027.495 χ^2/NDF : 41.8/38

All: -654.741+/-732.414 χ^2/NDF : 77.3/77

- sign -2707.568+/-1044.288 χ^2/NDF : 28.0/38

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

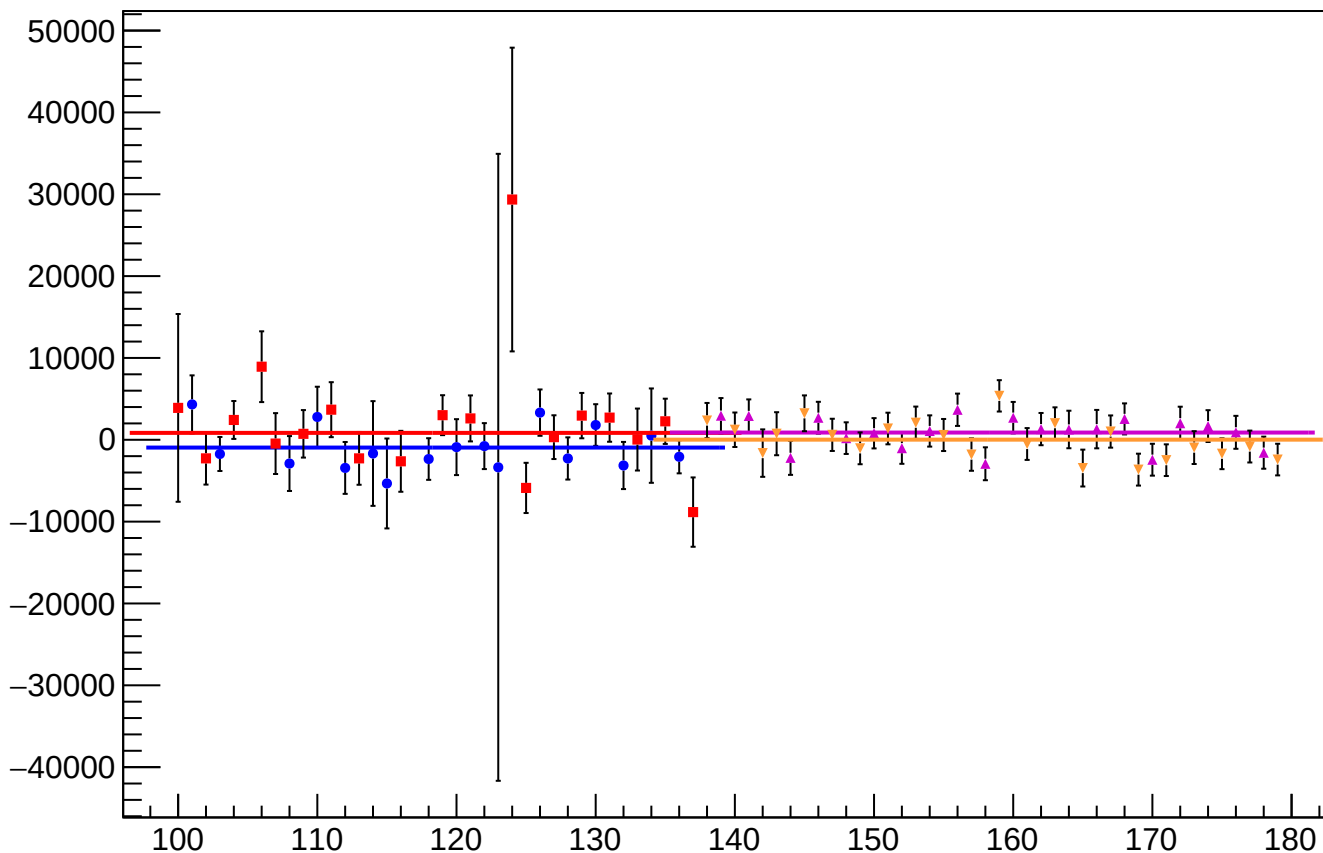
Left In: 5331.716+/-0.972 χ^2/NDF : 851342.9/19

+ sign 4666.058+/-0.727 χ^2/NDF : 4926033.0/38

All: 4658.758+/-0.517 χ^2/NDF : 9621679.9/77

- sign 4651.259+/-0.736 χ^2/NDF : 4695442.2/38

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

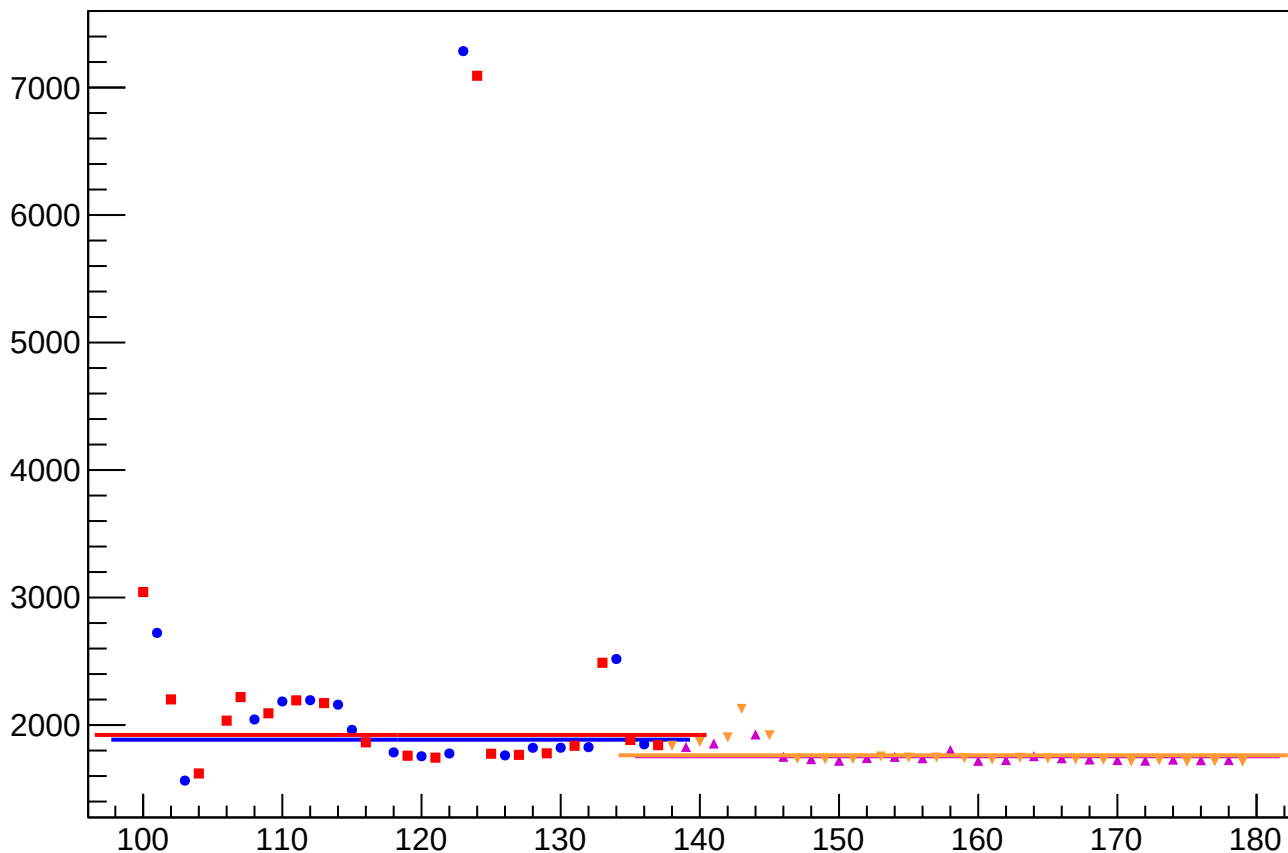
Left In: 882.914 ± 445.984 χ^2/NDF : 18.5/19

+ sign -230.876 ± 373.991 χ^2/NDF : 37.8/38

All: 309.587 ± 267.113 χ^2/NDF : 83.1/77

- sign 872.365 ± 381.634 χ^2/NDF : 41.0/38

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

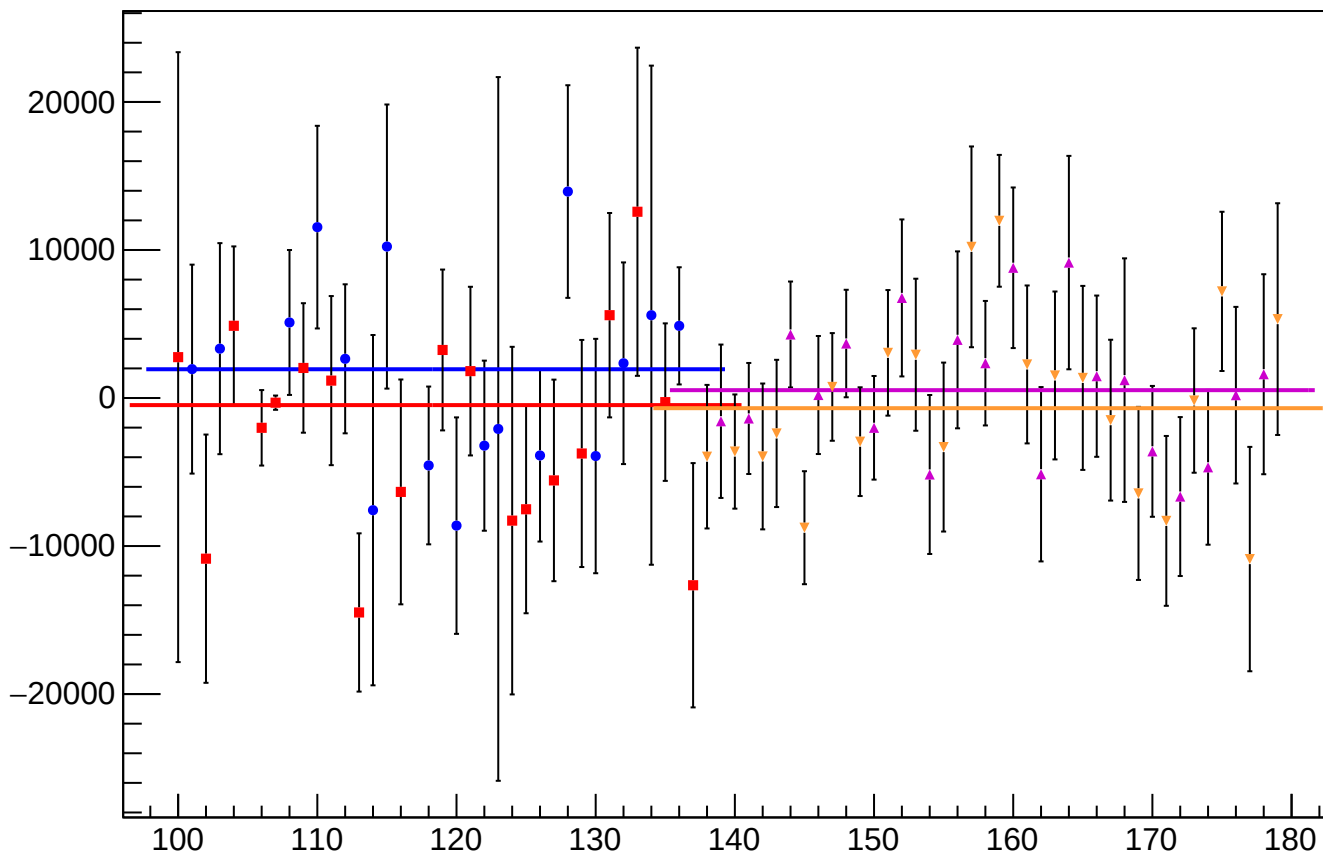
Left In: 1755.287+/-0.315 χ^2/NDF : 27003.7/19

+ sign 1794.013+/-0.264 χ^2/NDF : 392171.8/38

All: 1797.032+/-0.189 χ^2/NDF : 846438.5/77

- sign 1800.172+/-0.270 χ^2/NDF : 454000.9/38

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

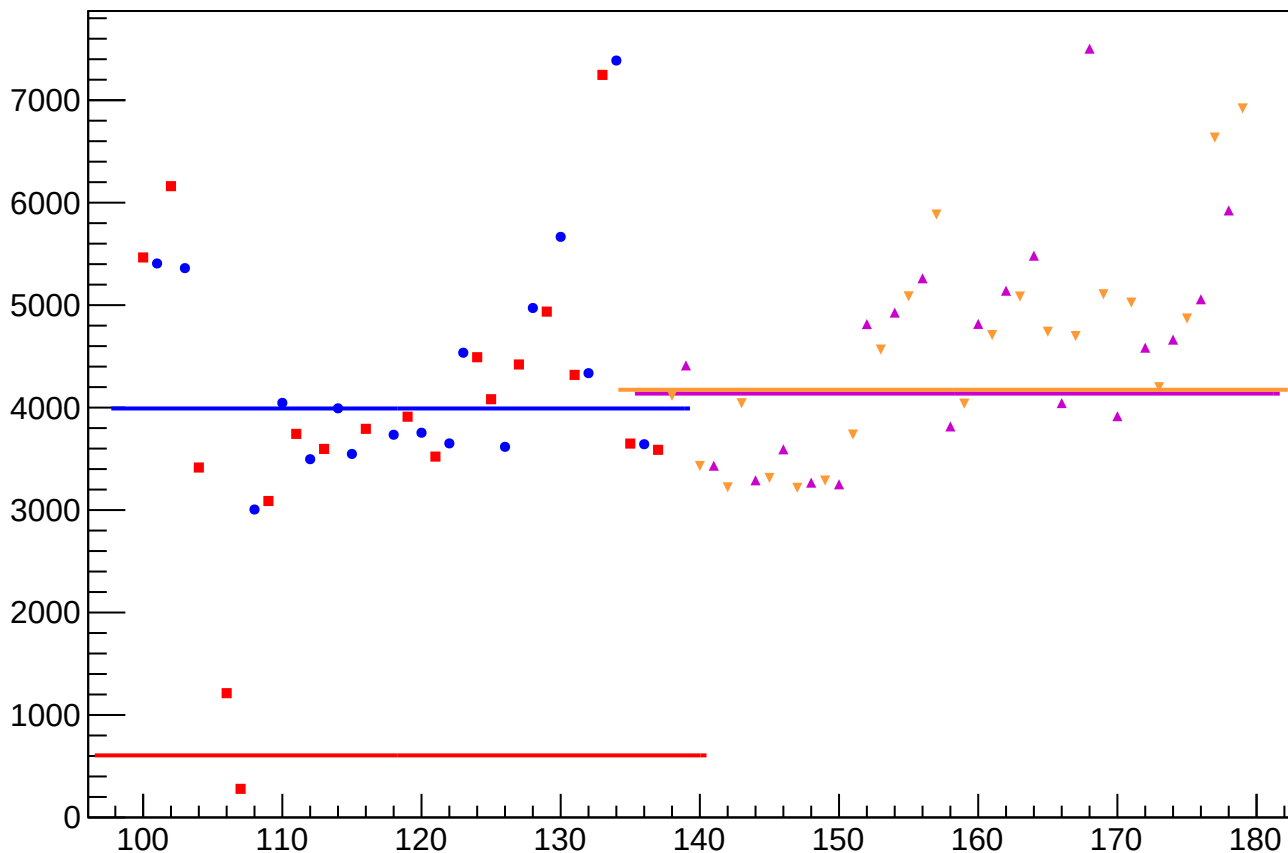
Left In: 530.298+/-1075.471 χ^2/NDF : 14.2/19

+ sign 121.228+/-876.351 χ^2/NDF : 41.7/38

All: -243.414+/-377.290 χ^2/NDF : 75.0/77

- sign -326.378+/-418.013 χ^2/NDF : 33.1/38

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

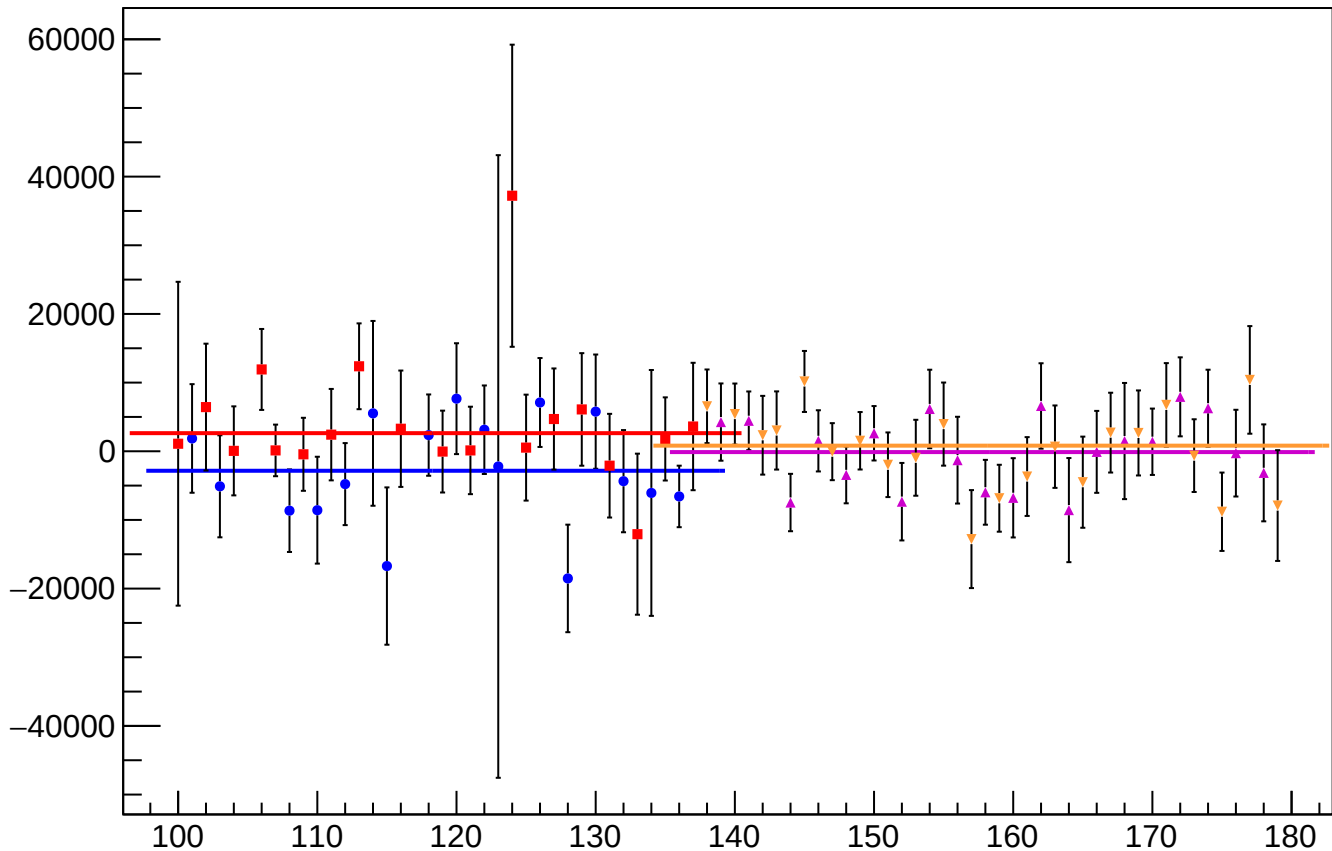
Left In: 4136.562+/-0.760 χ^2/NDF : 1347768.4/19

+ sign 4118.032+/-0.620 χ^2/NDF : 1941659.5/38

All: 1691.277+/-0.267 χ^2/NDF : 50662143.4/7

- sign 1139.138+/-0.296 χ^2/NDF : 29894633.0/38

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

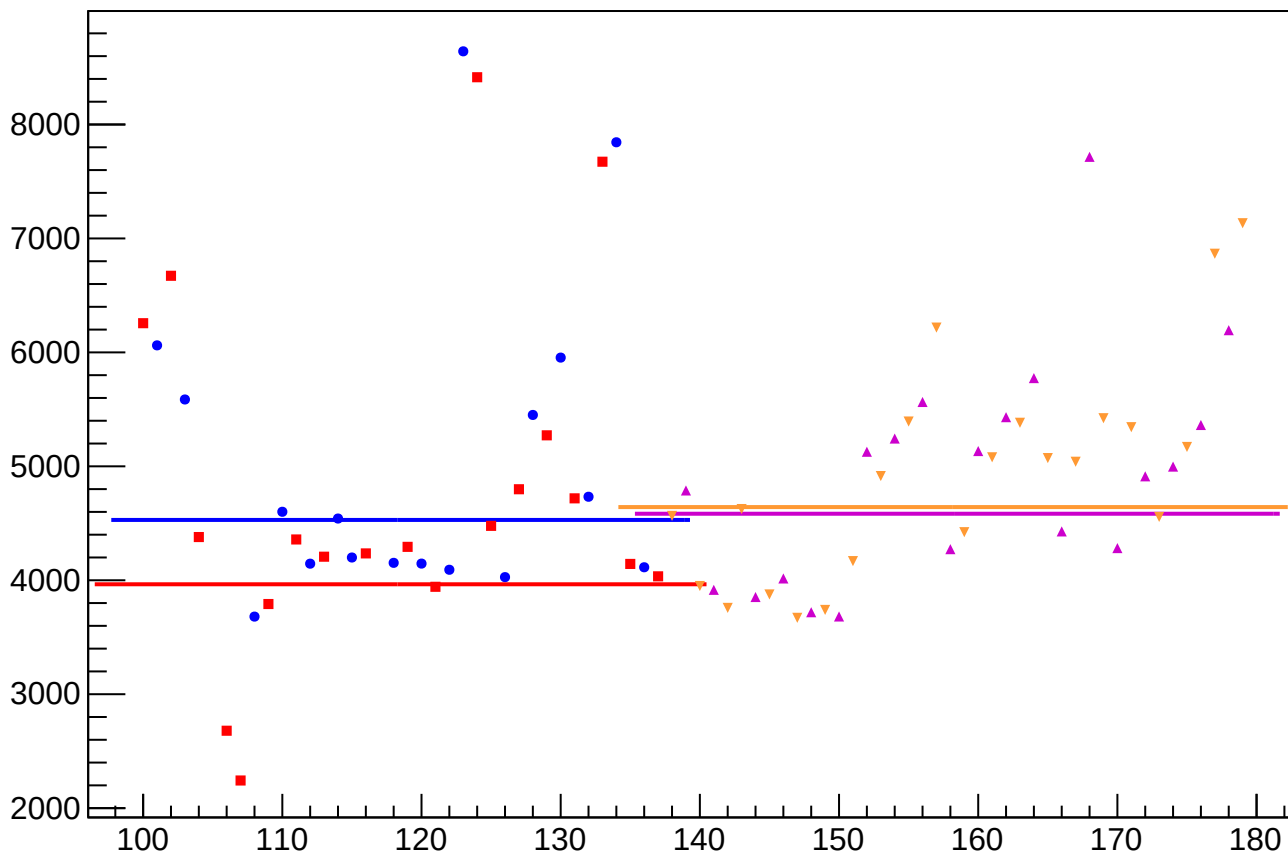
Left In: -119.935 ± 1184.010 χ^2/NDF : 17.8/19

+ sign -270.100 ± 973.912 χ^2/NDF : 40.1/38

All: 319.073 ± 678.736 χ^2/NDF : 71.8/77

- sign 875.469 ± 946.434 χ^2/NDF : 31.0/38

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

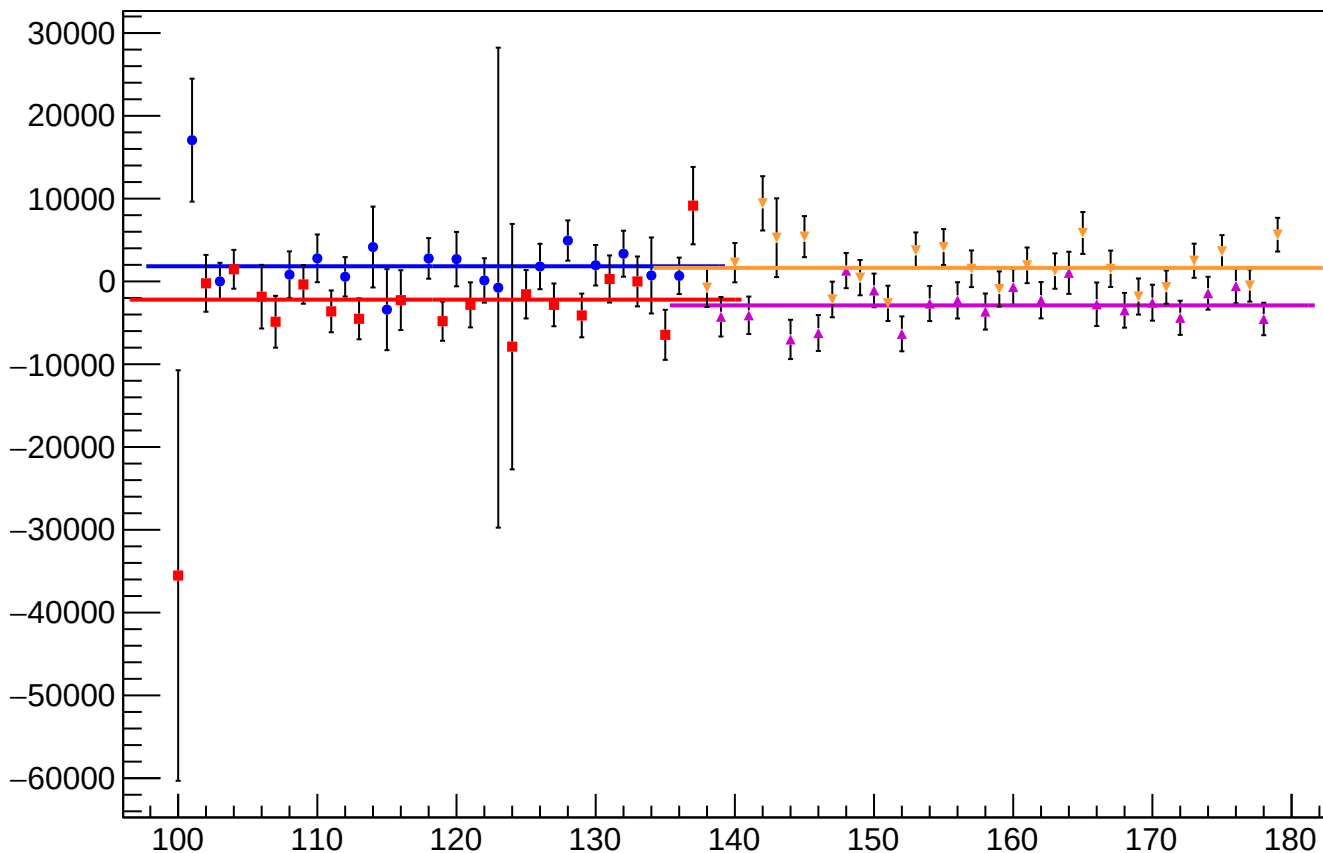
Left In: 4583.893+/-0.837 χ^2/NDF : 977960.6/19

+ sign 4608.767+/-0.689 χ^2/NDF : 1398613.5/38

All: 4479.788+/-0.479 χ^2/NDF : 3784056.1/77

- sign 4358.549+/-0.668 χ^2/NDF : 2317392.5/38

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 1634.558 $\pm$ 475.502 χ^2 /NDF:33.9/21

Right Out: -2198.063 $\pm$ 684.205 χ^2 /NDF: 18.3/18

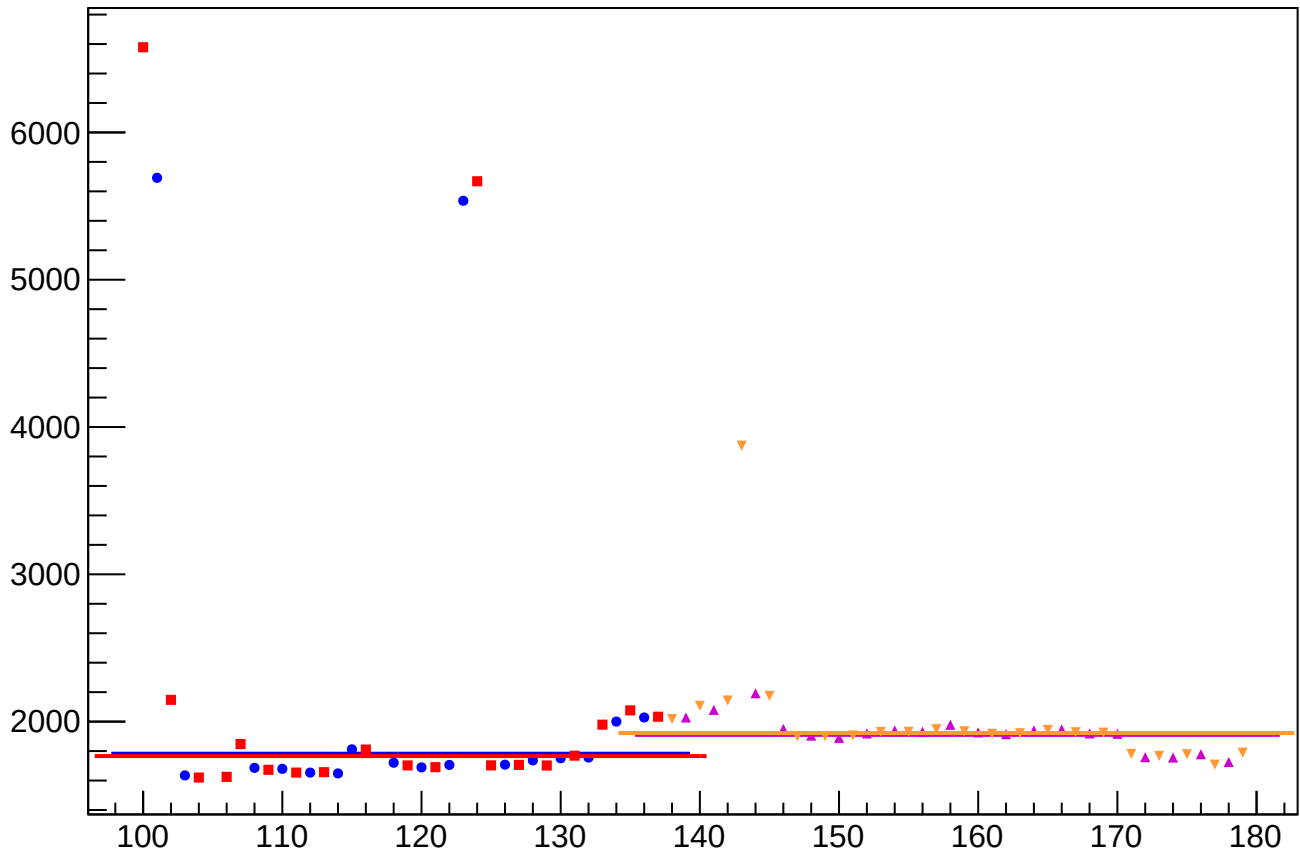
Left In: -2893.703 $\pm$ 485.963 χ^2 /NDF:20.2/19

+ sign 1694.950 $\pm$ 395.313 χ^2 /NDF: 43.6/38

All: -477.883 $\pm$ 279.841 χ^2 /NDF: 143.4/77

- sign -2660.446 $\pm$ 396.198 χ^2 /NDF: 39.3/38

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

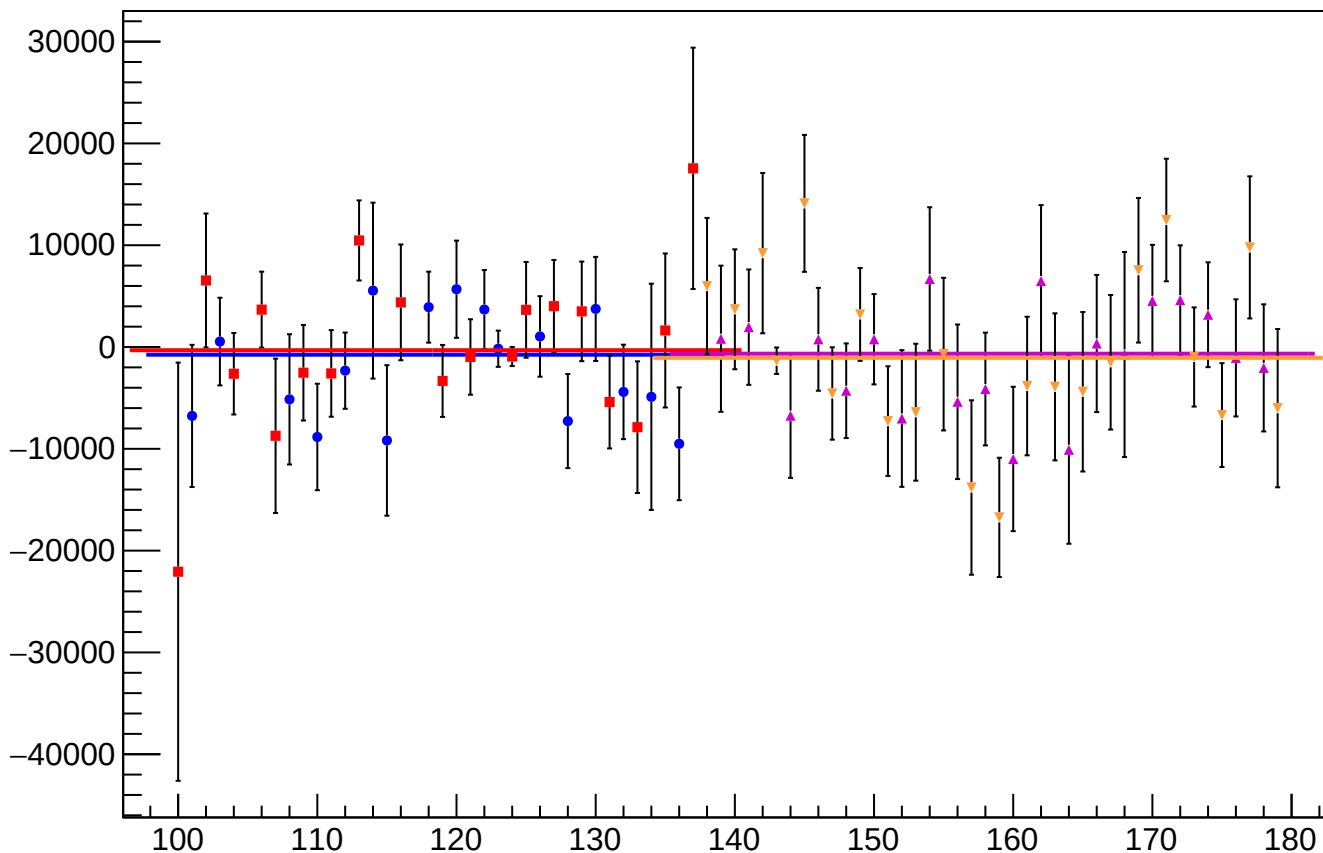
Left In: 1910.007 $\pm$ 0.344 χ^2 /NDF: 97434.4/19

+ sign 1879.317 $\pm$ 0.280 χ^2 /NDF: 1147438.1/38

All: 1870.291 $\pm$ 0.198 χ^2 /NDF: 1613212.5/77

- sign 1861.267 $\pm$ 0.280 χ^2 /NDF: 463689.4/38

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

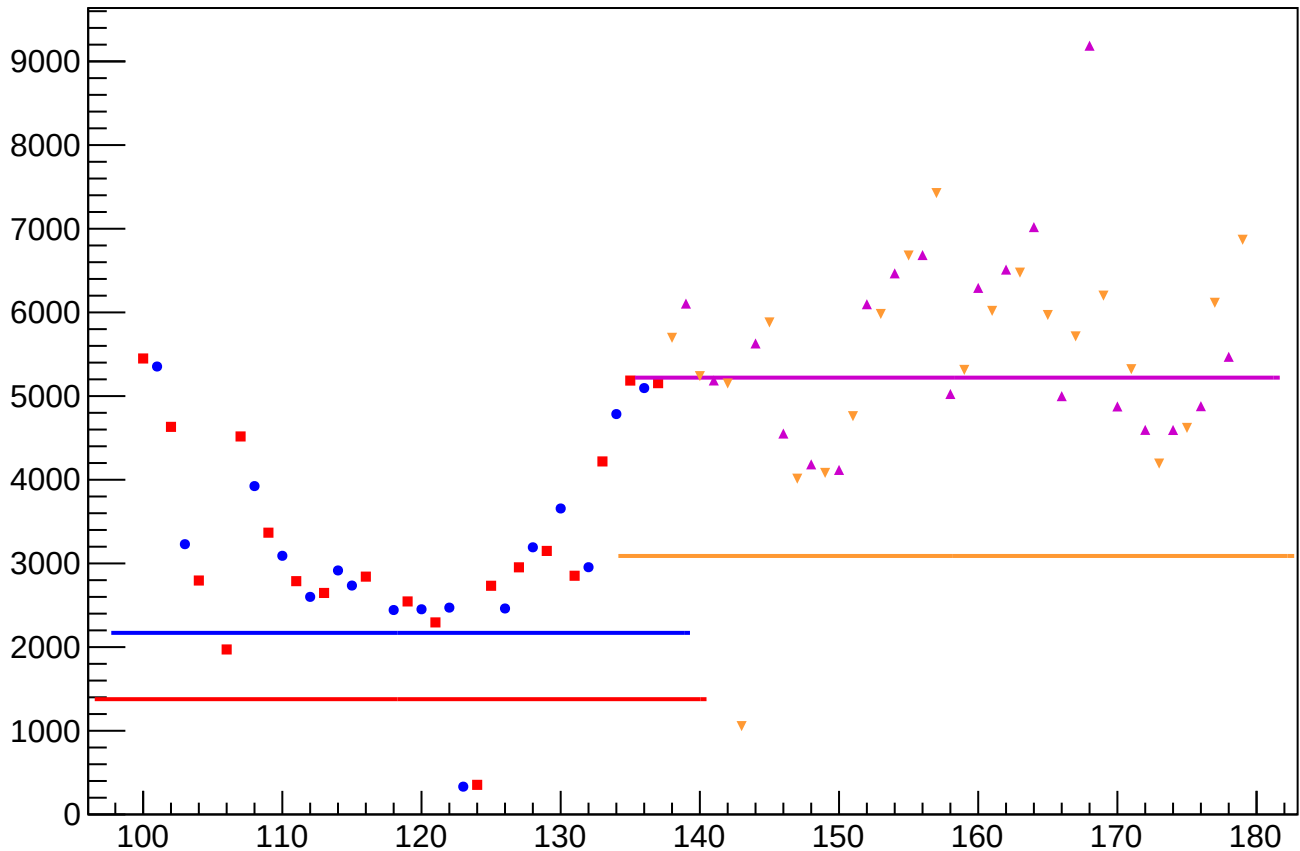
Left In: -655.885+/-1350.230 χ^2/NDF : 11.4/19

+ sign -918.769+/-686.160 χ^2/NDF : 49.5/38

All: -634.729+/-467.561 χ^2/NDF : 83.2/77

- sign -388.518+/-638.835 χ^2/NDF : 33.4/38

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 3089.217+/-0.662 χ^2/NDF : 11137533.9/21

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

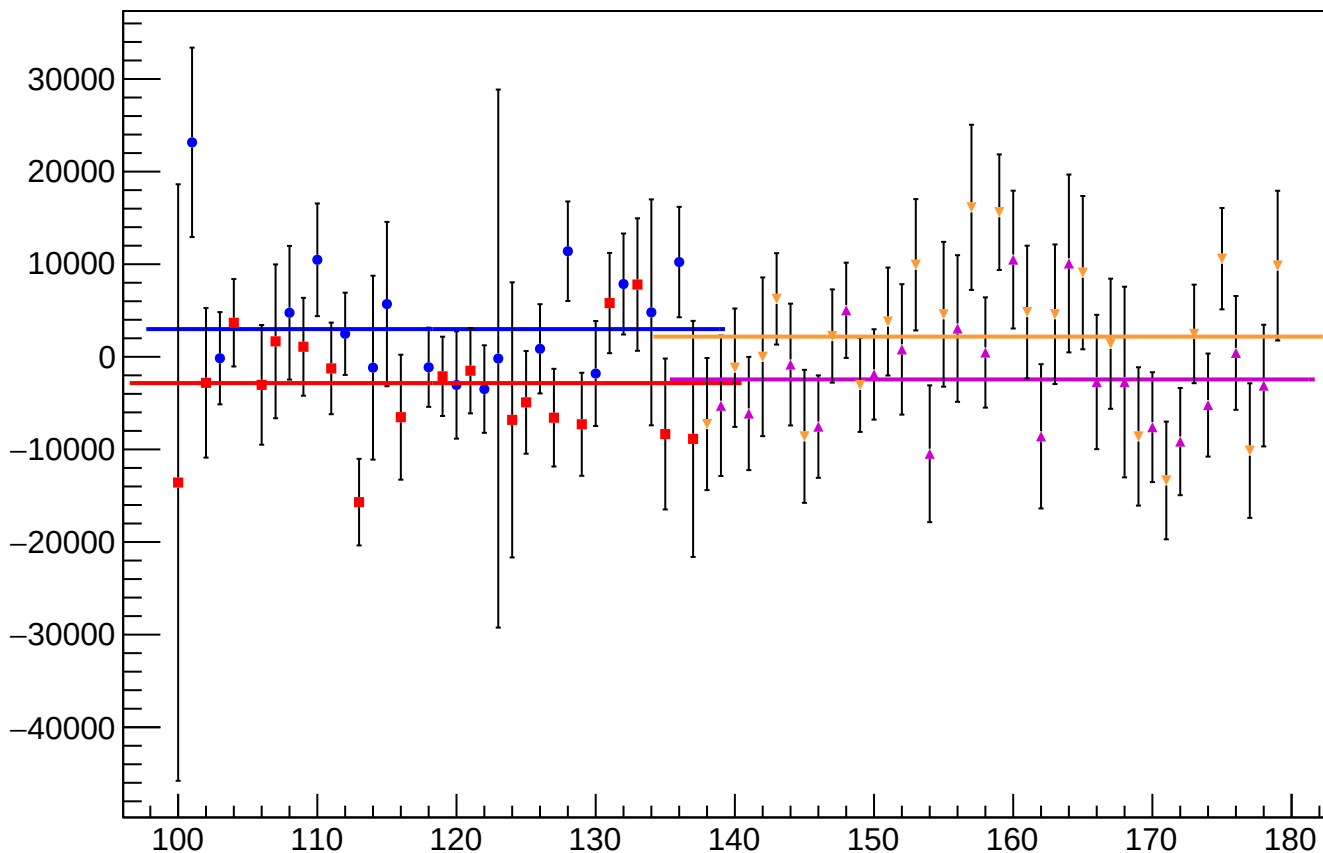
Left In: 5220.418+/-0.955 χ^2/NDF : 1039528.5/19

+ sign 2663.832+/-0.485 χ^2/NDF : 16003184.0/38

All: 2435.681+/-0.331 χ^2/NDF : 36875592.3/7

- sign 2237.916+/-0.452 χ^2/NDF : 20459621.3/38

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

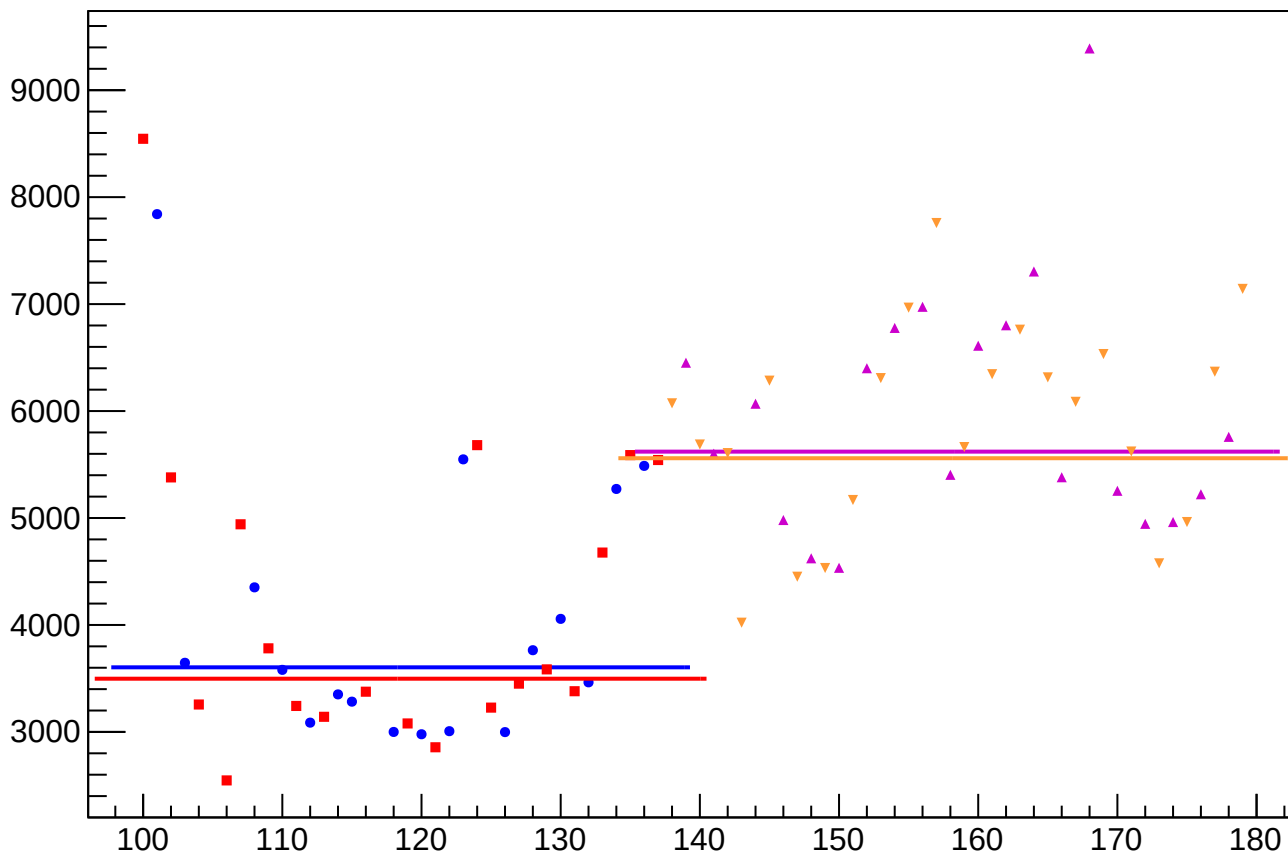
Left In: -2440.697 $\pm$ 1448.862 χ^2 /NDF: 13.6/19

+ sign 2570.491 $\pm$ 1002.245 χ^2 /NDF: 45.5/38

All: -46.771 $\pm$ 707.518 χ^2 /NDF: 90.5/77

- sign -2646.733 $\pm$ 998.927 χ^2 /NDF: 31.3/38

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 χ^2/NDF : 784674.5/16

Left Out: 5558.965 ± 0.982 χ^2/NDF : 953650.2/21

Right Out: 3497.586 ± 0.962 χ^2/NDF : 661898.6/18

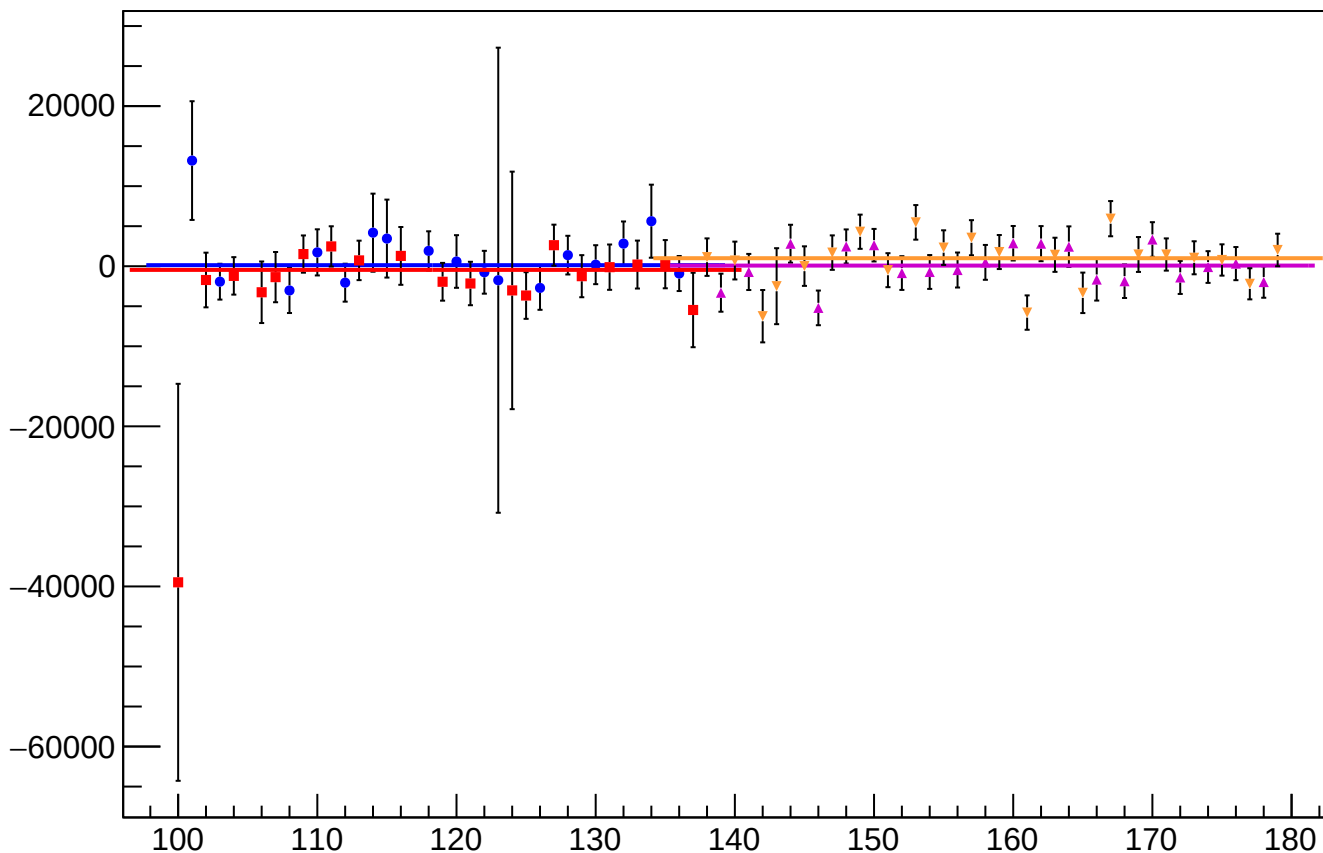
Left In: 5620.599 ± 1.025 χ^2/NDF : 854333.7/19

+ sign 4621.313 ± 0.709 χ^2/NDF : 3637701.0/38

All: 4555.940 ± 0.498 χ^2/NDF : 7453671.4/77

- sign 4491.951 ± 0.701 χ^2/NDF : 3799132.5/38

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

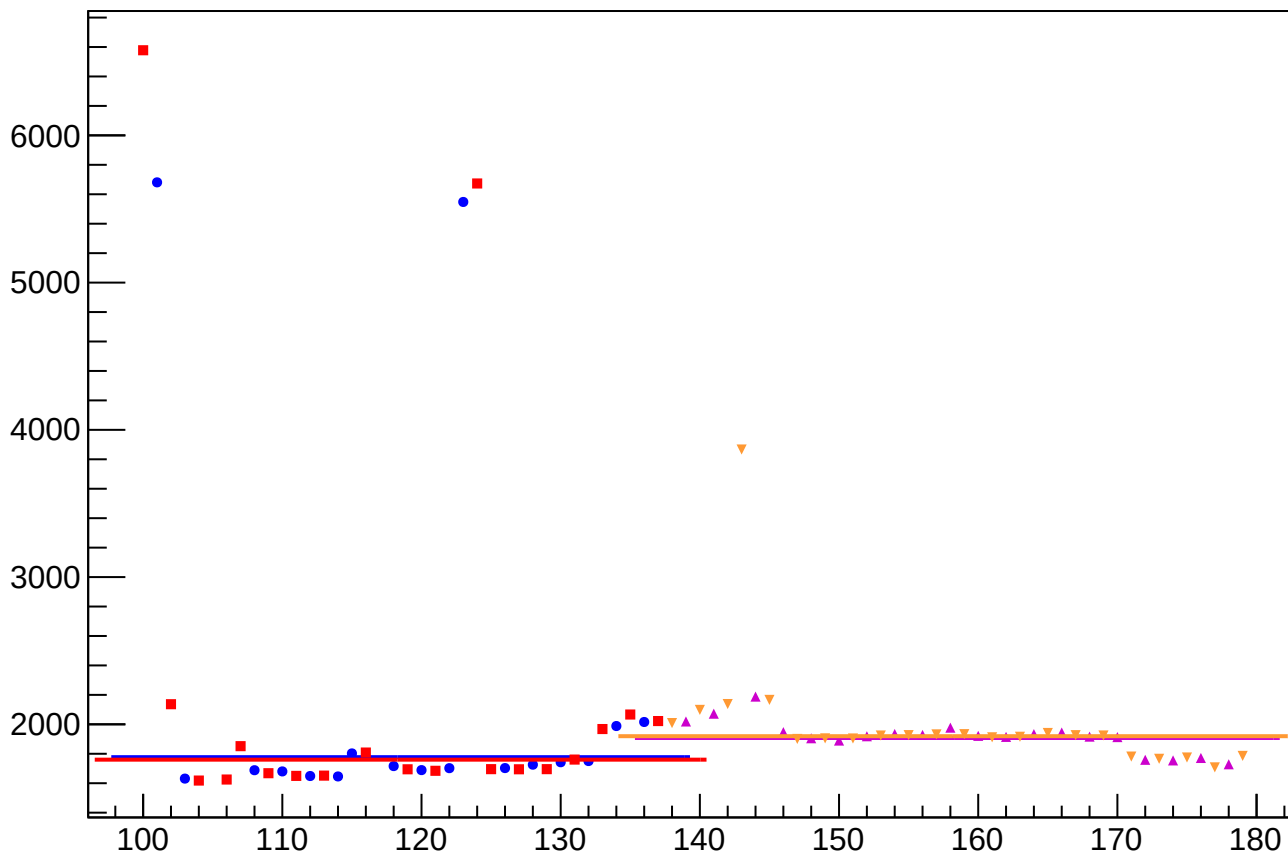
Left In: 79.020 $\pm$ 485.242 χ^2 /NDF: 22.0/19

+ sign 731.616 $\pm$ 394.446 χ^2 /NDF: 49.1/38

All: 315.824 $\pm$ 279.234 χ^2 /NDF: 84.5/77

- sign -101.871 $\pm$ 395.347 χ^2 /NDF: 33.2/38

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

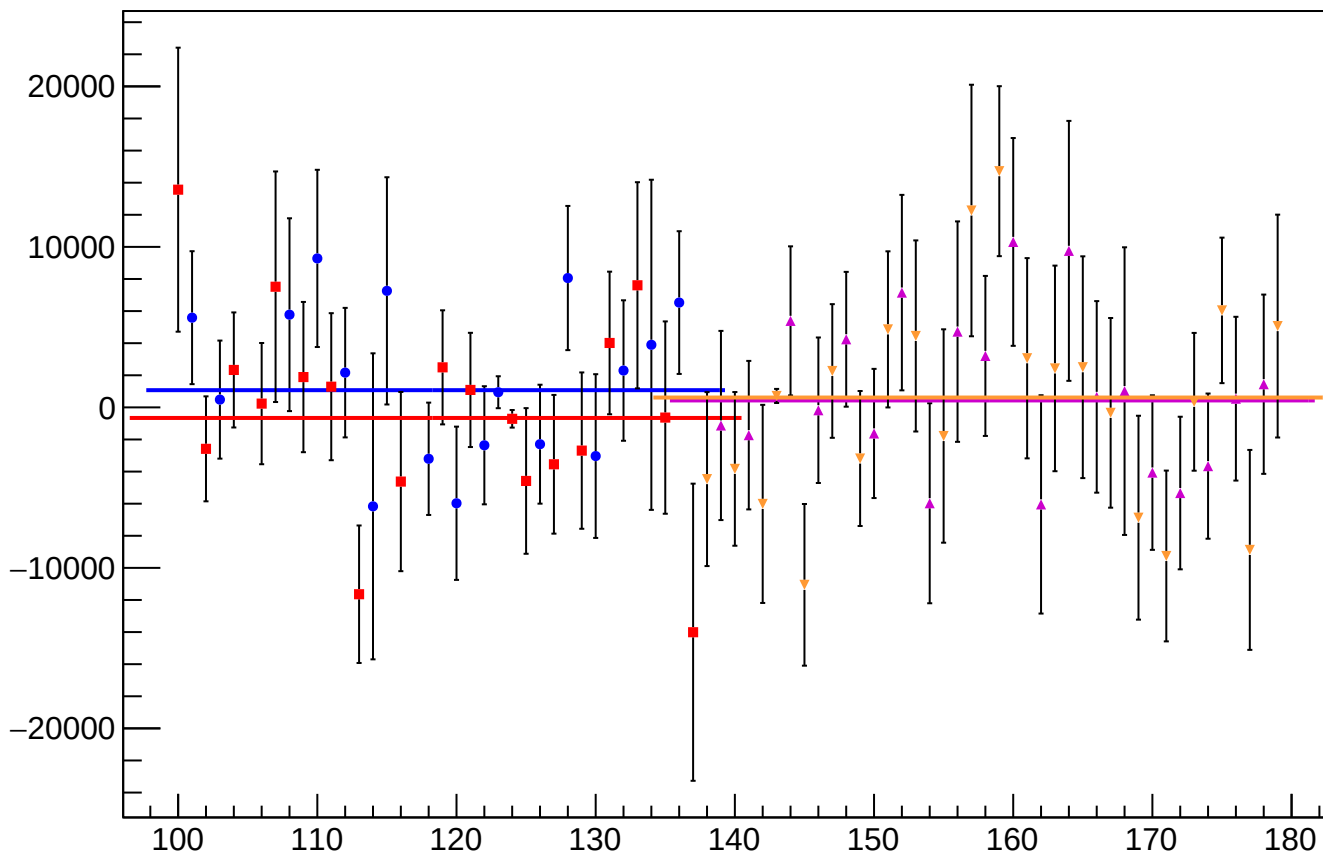
Left In: 1907.269 ± 0.343 χ^2/NDF : 94890.4/19

+ sign 1875.291 ± 0.279 χ^2/NDF : 1143933.4/38

All: 1866.298 ± 0.197 χ^2/NDF : 1609561.7/77

- sign 1857.305 ± 0.279 χ^2/NDF : 463549.0/38

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194 ± 752.280 χ^2/NDF : 15.6/16

Left Out: 613.602 ± 411.592 χ^2/NDF : 29.2/21

Right Out: -658.759 ± 488.034 χ^2/NDF : 19.8/18

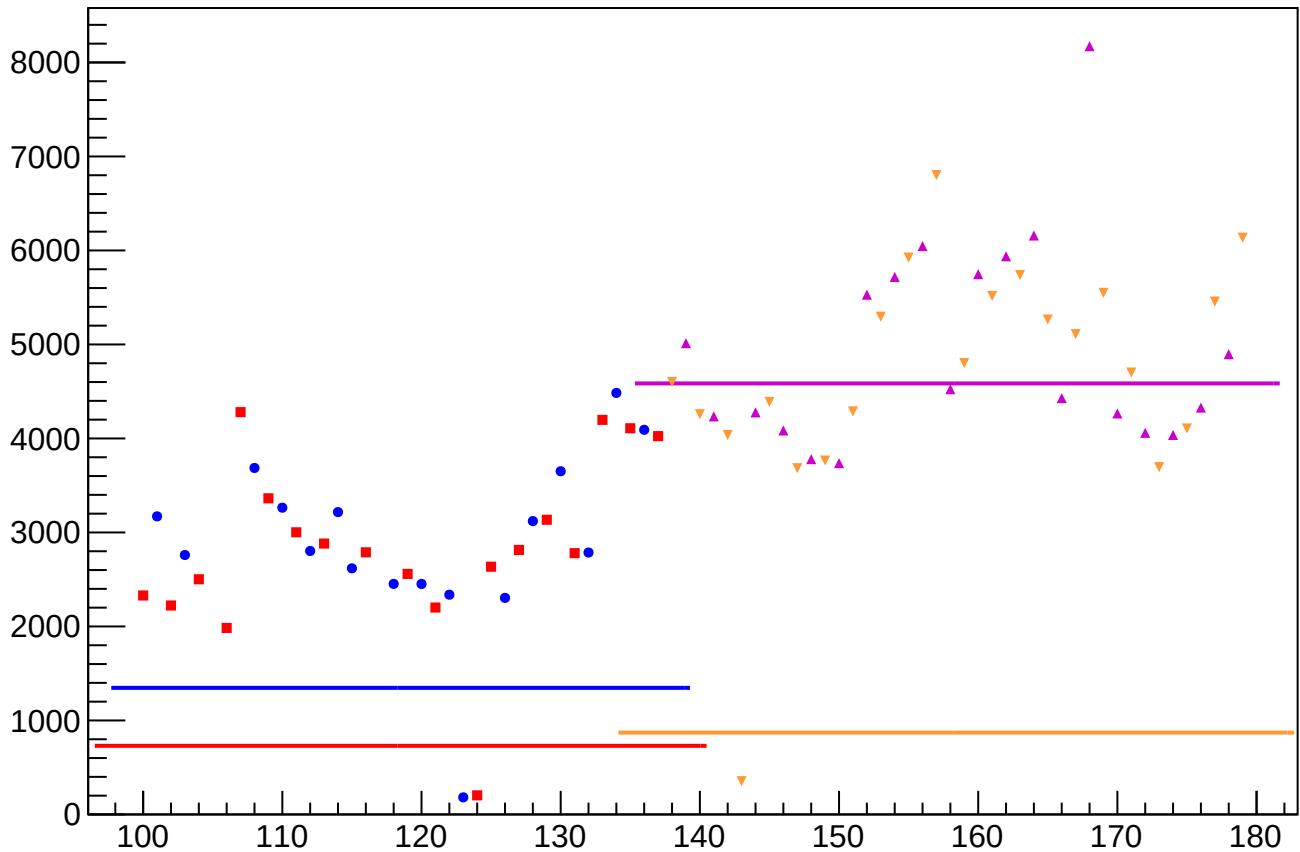
Left In: 433.367 ± 1185.857 χ^2/NDF : 13.3/19

+ sign 719.254 ± 361.080 χ^2/NDF : 45.1/38

All: 243.169 ± 281.946 χ^2/NDF : 83.3/77

- sign -500.577 ± 451.309 χ^2/NDF : 33.8/38

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 870.874+/-0.291 χ^2/NDF : 23919895.6/21

Right Out: 730.119+/-0.345 χ^2/NDF : 9503127.2/18

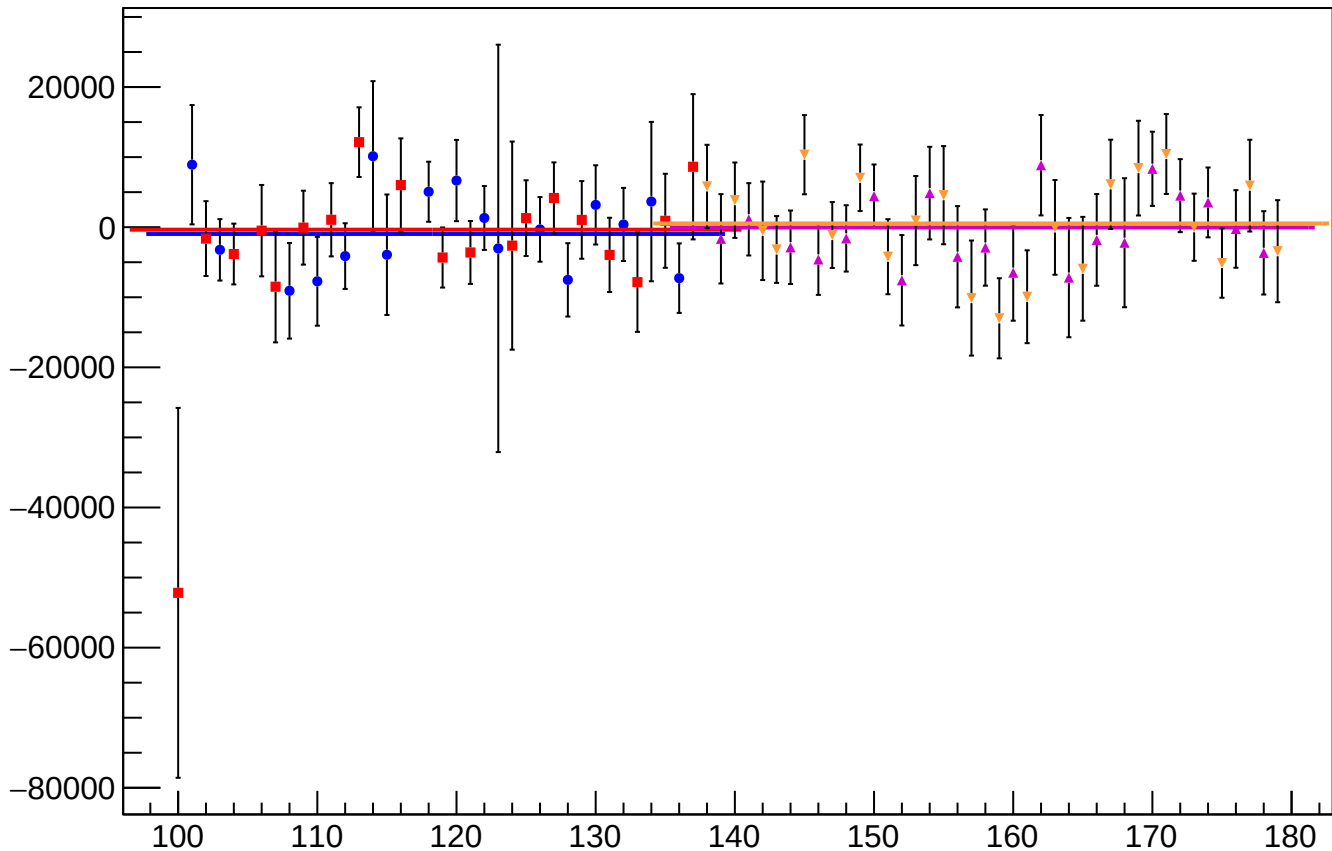
Left In: 4585.487+/-0.839 χ^2/NDF : 1037477.1/19

+ sign 980.527+/-0.255 χ^2/NDF : 31375164.1/38

All: 1100.735+/-0.199 χ^2/NDF : 60561479.6/7

- sign 1288.524+/-0.319 χ^2/NDF : 28618380.4/38

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

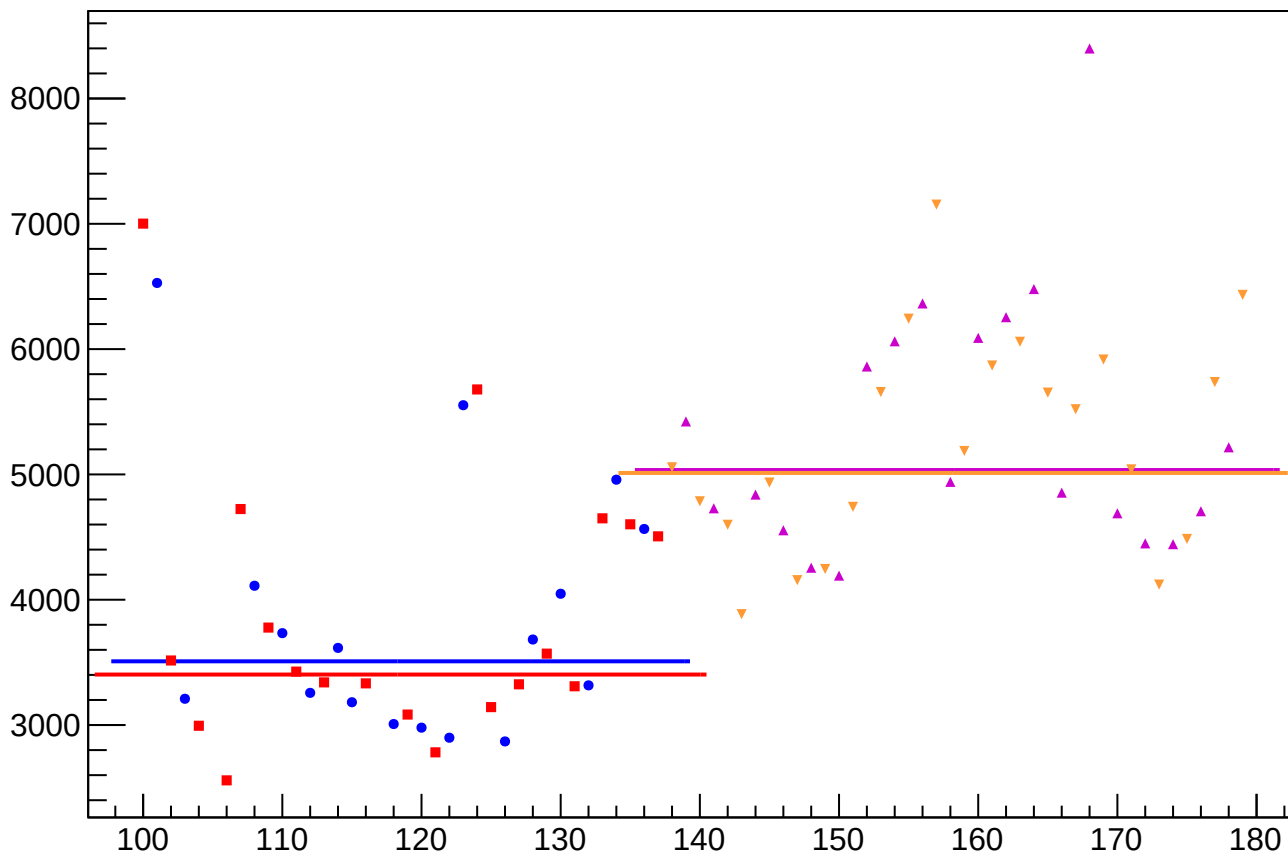
Left In: -43.798 ± 1296.797 χ^2/NDF : 12.2/19

+ sign -132.702 ± 930.986 χ^2/NDF : 40.3/38

All: -164.099 ± 657.393 χ^2/NDF : 70.2/77

- sign -195.322 ± 928.409 χ^2/NDF : 29.9/38

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

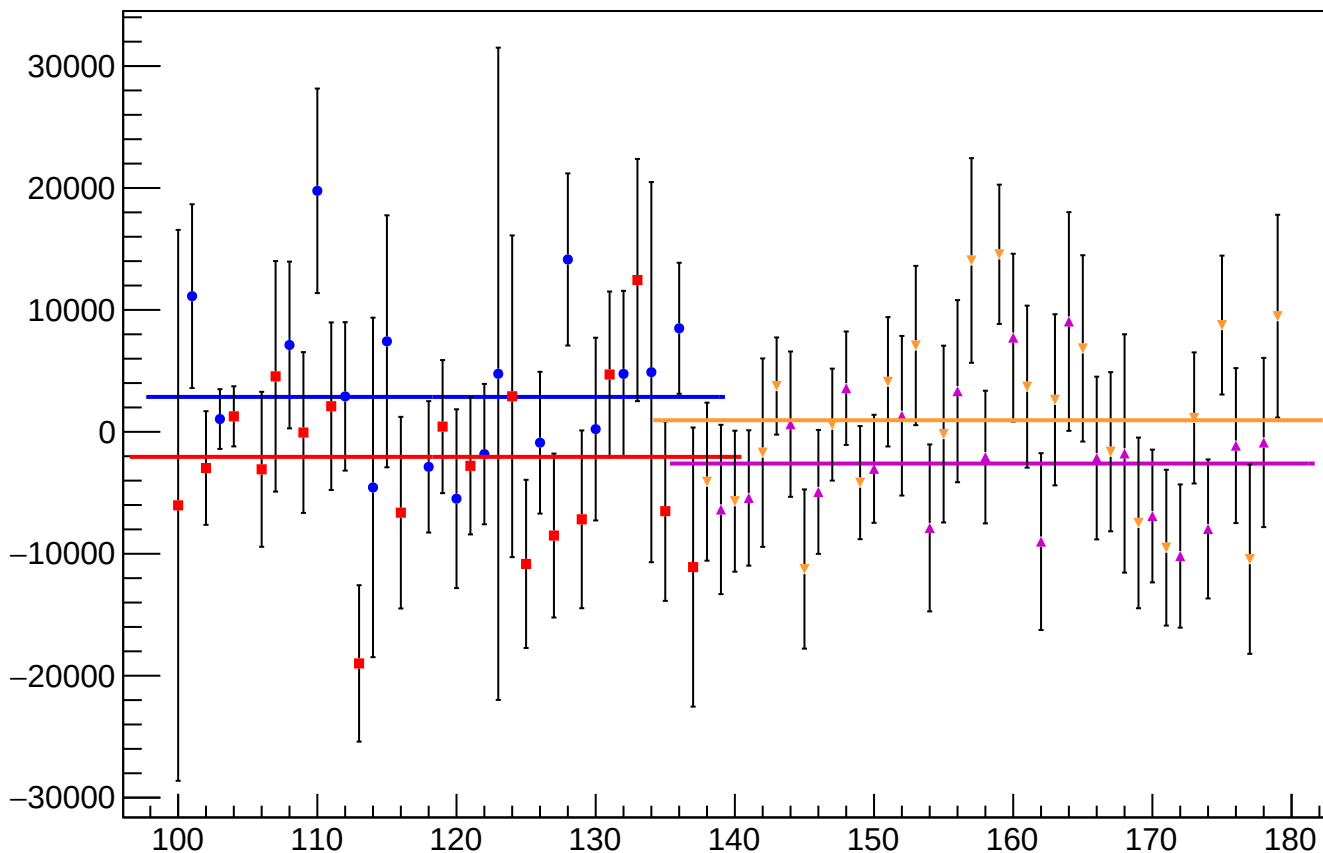
Left In: 5034.972+/-0.917 χ^2/NDF : 811087.6/19

+ sign 4342.805+/-0.658 χ^2/NDF : 2654145.5/38

All: 4285.270+/-0.463 χ^2/NDF : 5473763.6/77

- sign 4228.780+/-0.652 χ^2/NDF : 2804479.7/38

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: 953.171 $\pm$ 1292.509 χ^2 /NDF:26.8/21

Right Out: -2051.211 $\pm$ 1381.577 χ^2 /NDF: 17.7/18

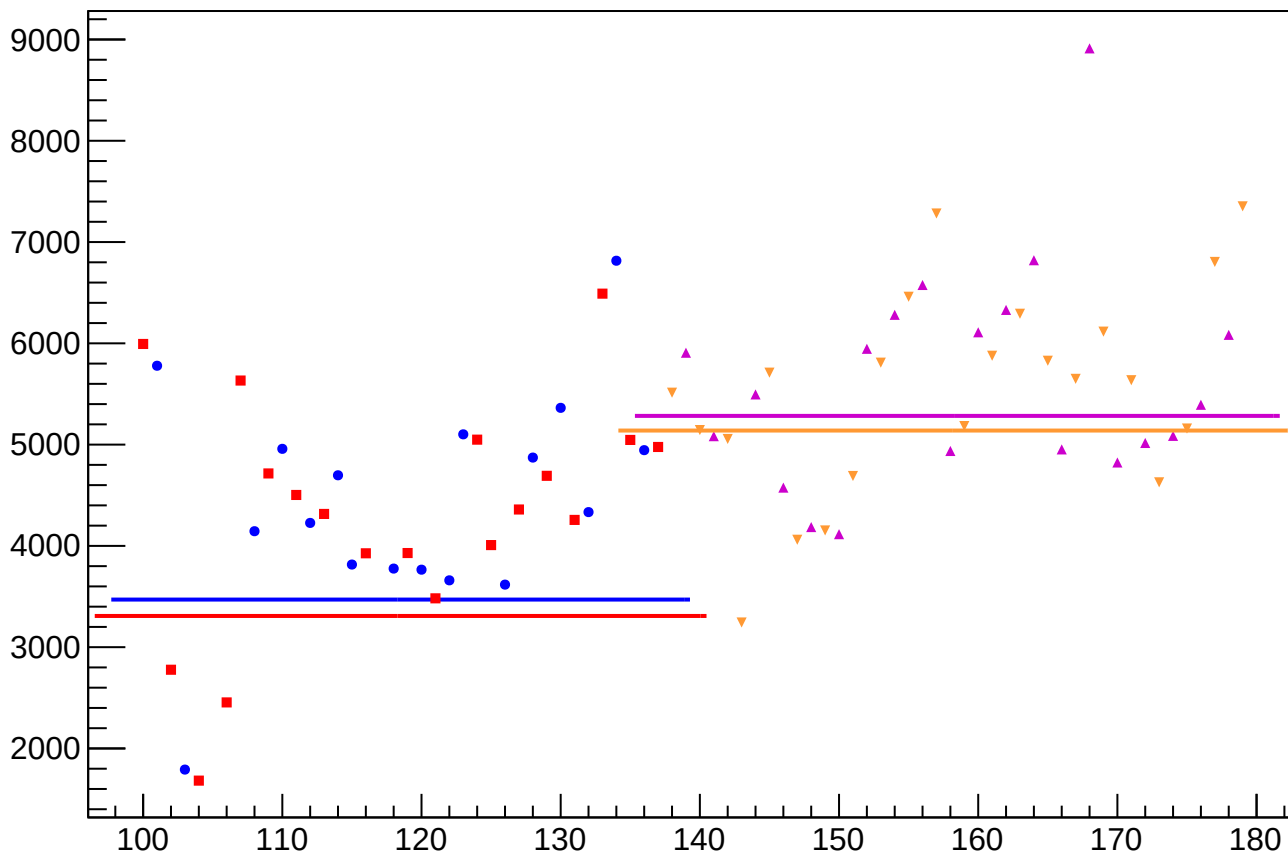
Left In: -2599.461 $\pm$ 1363.204 χ^2 /NDF:12.5/19

+ sign 1797.829 $\pm$ 965.618 χ^2 /NDF: 41.8/38

All: -255.477 $\pm$ 684.466 χ^2 /NDF: 81.1/77

- sign -2329.006 $\pm$ 970.361 χ^2 /NDF: 30.2/38

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 5138.907+/-0.914 χ^2/NDF : 1317724.3/21

Right Out: 3308.243+/-0.968 χ^2/NDF : 1910782.0/18

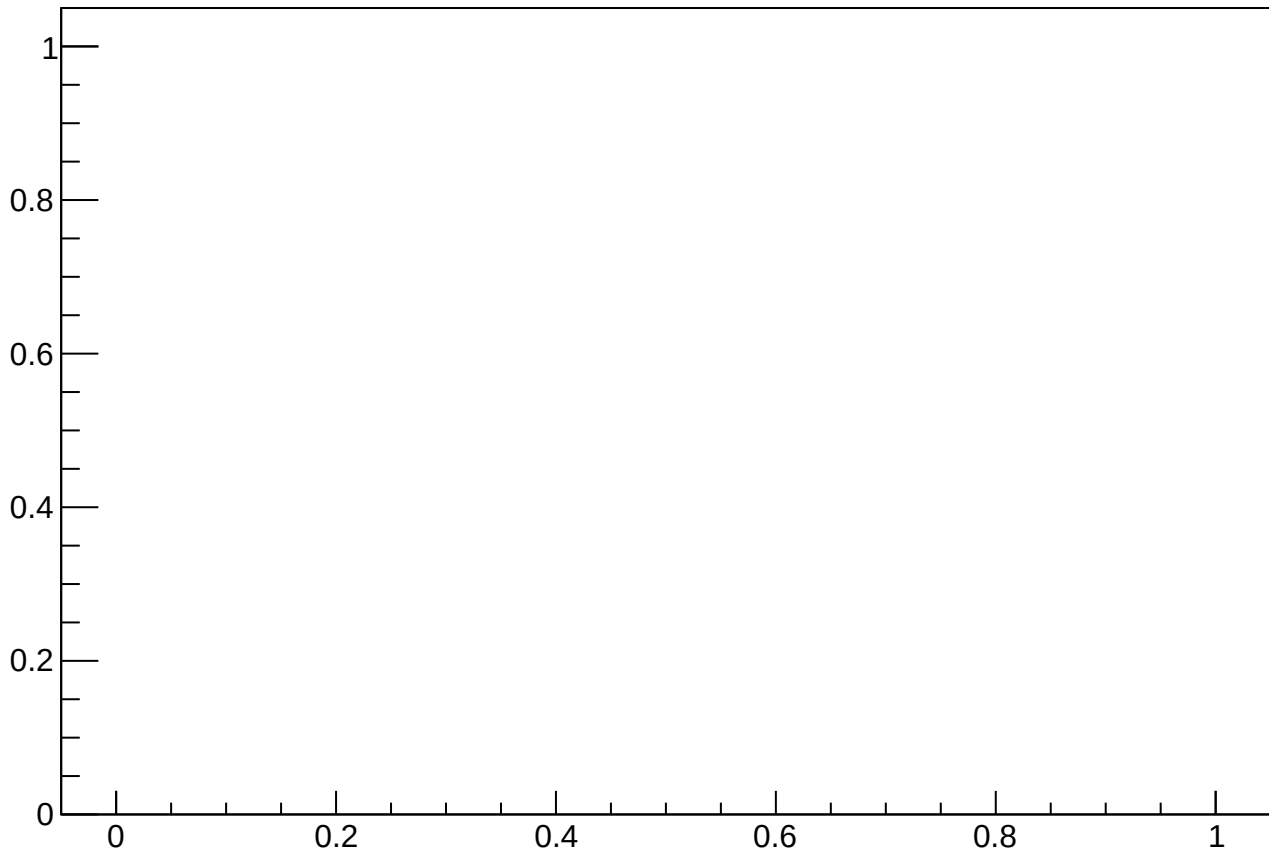
Left In: 5283.679+/-0.964 χ^2/NDF : 899294.9/19

+ sign 4401.483+/-0.683 χ^2/NDF : 4551918.8/38

All: 4350.819+/-0.483 χ^2/NDF : 9464099.7/77

- sign 4300.119+/-0.683 χ^2/NDF : 4901165.1/38

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

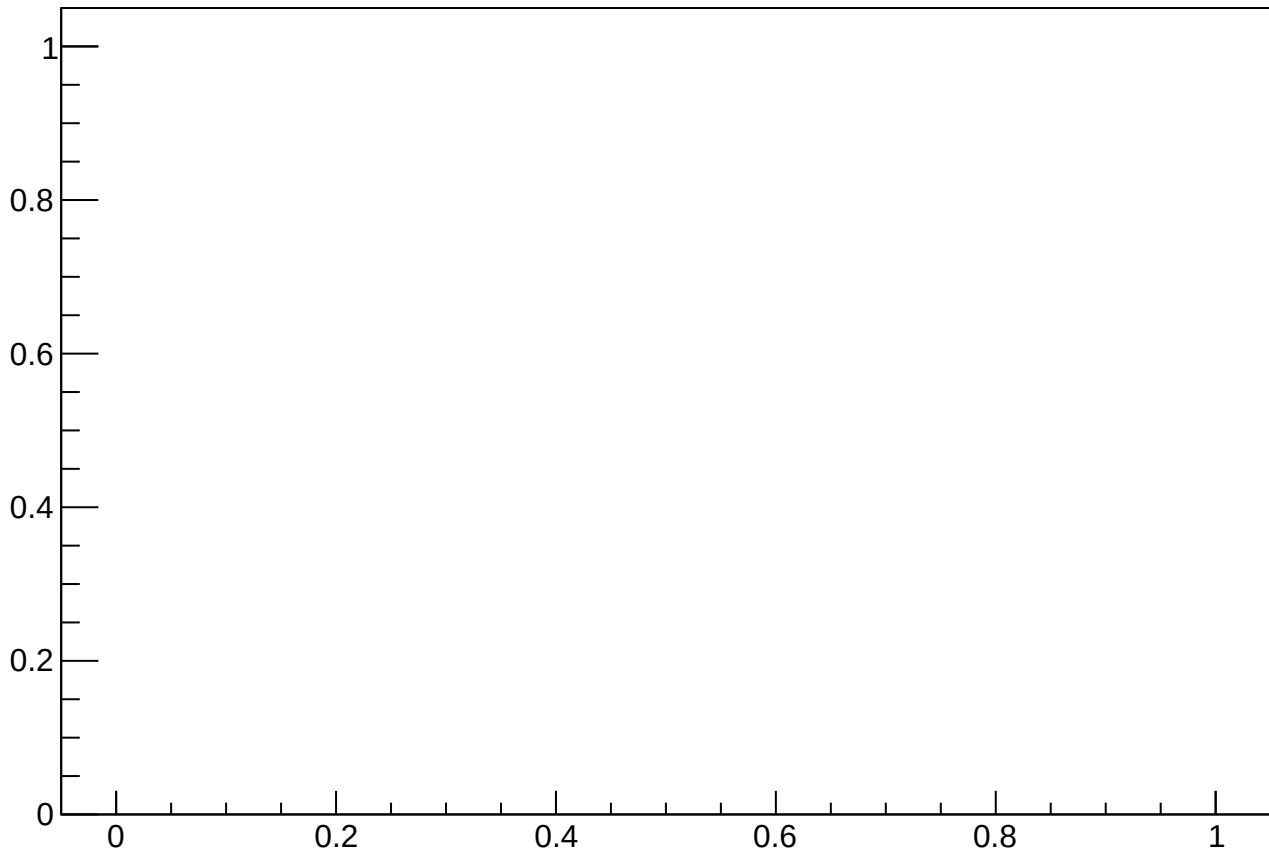
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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 $\pm$ 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

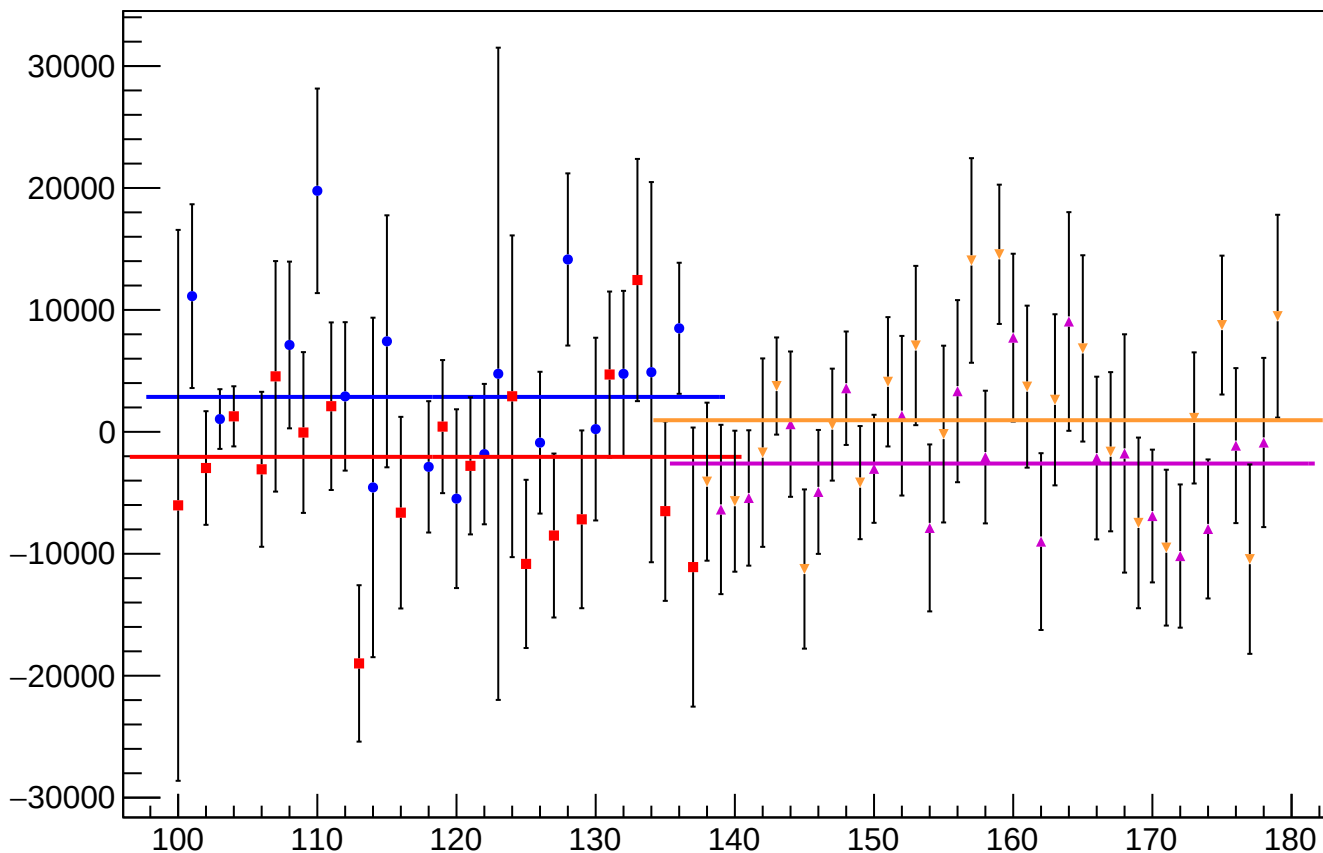
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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_mean vs Slug



Right In: 2864.770 $\pm$ 1452.658 χ^2/NDF : 14.1/16

Left Out: 953.171 $\pm$ 1292.509 χ^2/NDF : 26.8/21

Right Out: -2051.211 $\pm$ 1381.577 χ^2/NDF : 17.7/18

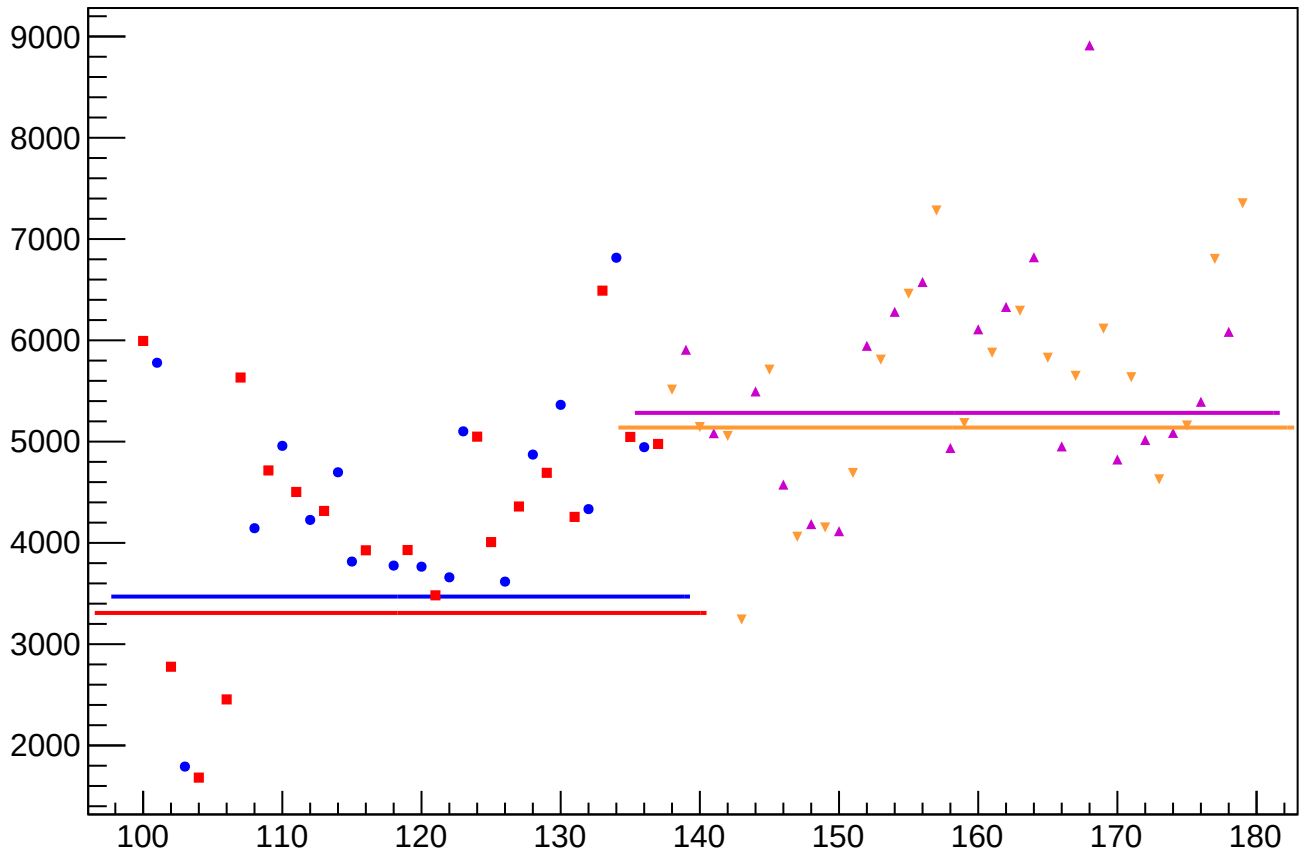
Left In: -2599.461 $\pm$ 1363.204 χ^2/NDF : 12.5/19

+ sign 1797.829 $\pm$ 965.618 χ^2/NDF : 41.8/38

All: -255.477 $\pm$ 684.466 χ^2/NDF : 81.1/77

- sign -2329.006 $\pm$ 970.361 χ^2/NDF : 30.2/38

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 5138.907+/-0.914 χ^2/NDF : 1317724.3/21

Right Out: 3308.243+/-0.968 χ^2/NDF : 1910782.0/18

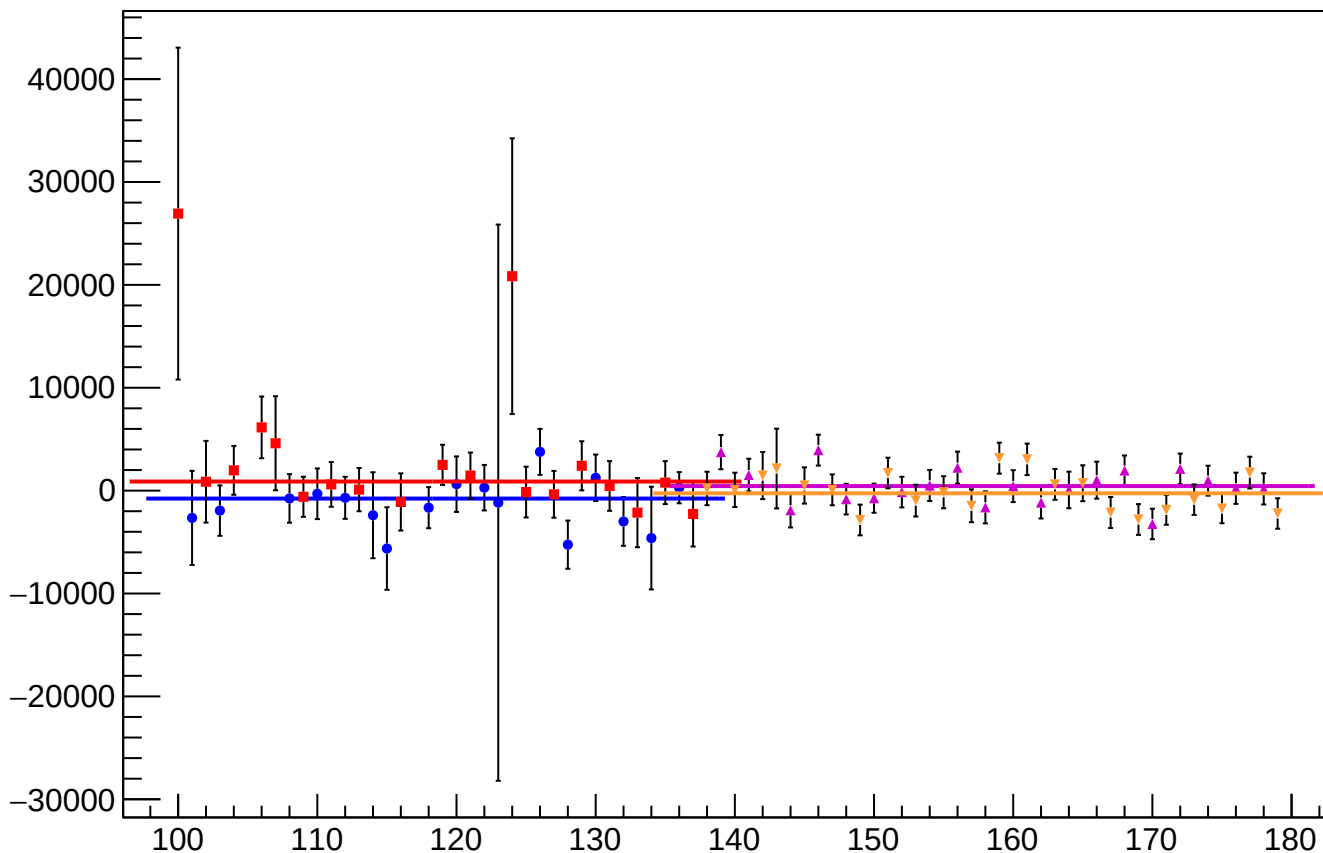
Left In: 5283.679+/-0.964 χ^2/NDF : 899294.9/19

+ sign 4401.483+/-0.683 χ^2/NDF : 4551918.8/38

All: 4350.819+/-0.483 χ^2/NDF : 9464099.7/77

- sign 4300.119+/-0.683 χ^2/NDF : 4901165.1/38

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

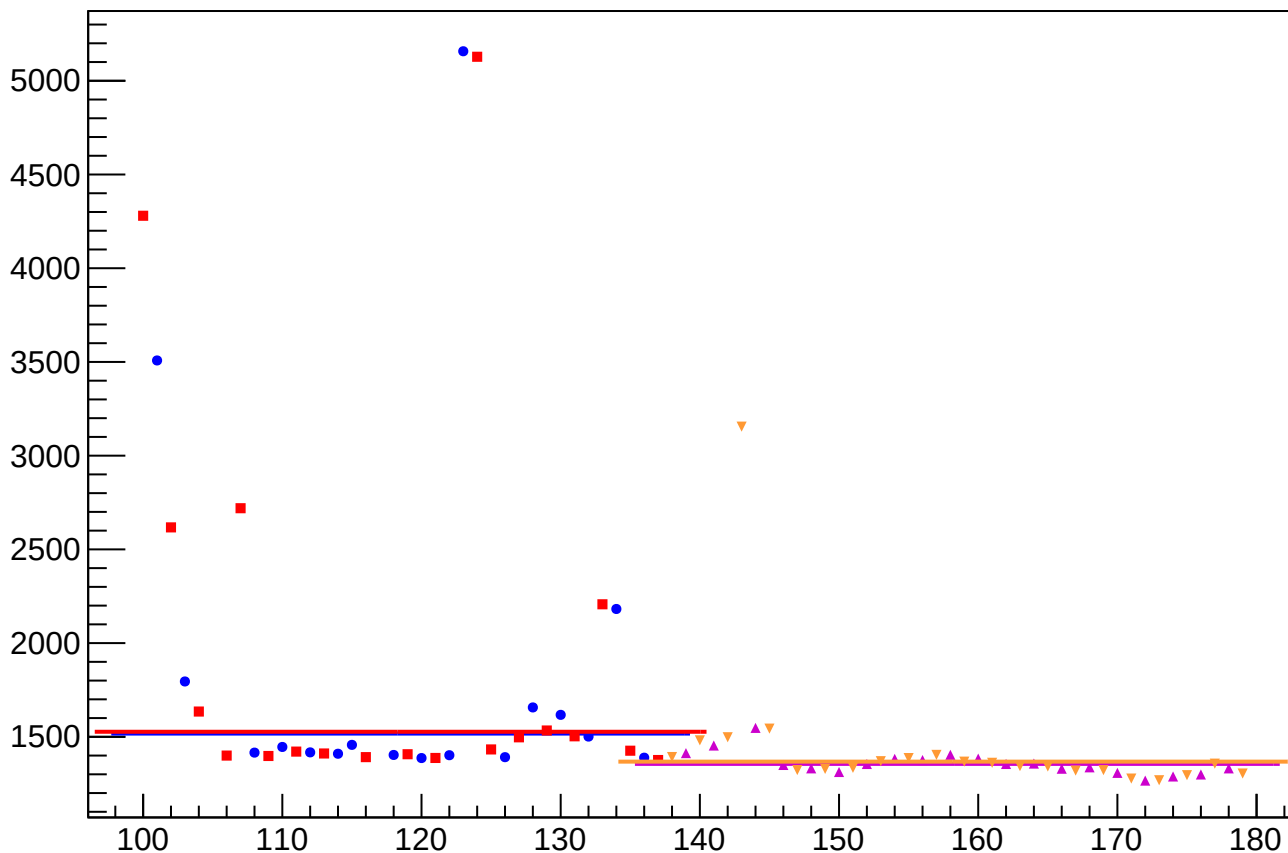
Left In: 443.916 ± 344.895 χ^2/NDF : 26.4/19

+ sign -381.804 ± 295.302 χ^2/NDF : 41.6/38

All: 81.651 ± 209.896 χ^2/NDF : 86.8/77

- sign 554.869 ± 298.396 χ^2/NDF : 40.3/38

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334 $\pm$ 0.427 χ^2 /NDF: 536662.7/16

Left Out: 1367.633 $\pm$ 0.239 χ^2 /NDF: 497518.1/21

Right Out: 1527.005 $\pm$ 0.421 χ^2 /NDF: 631684.2/18

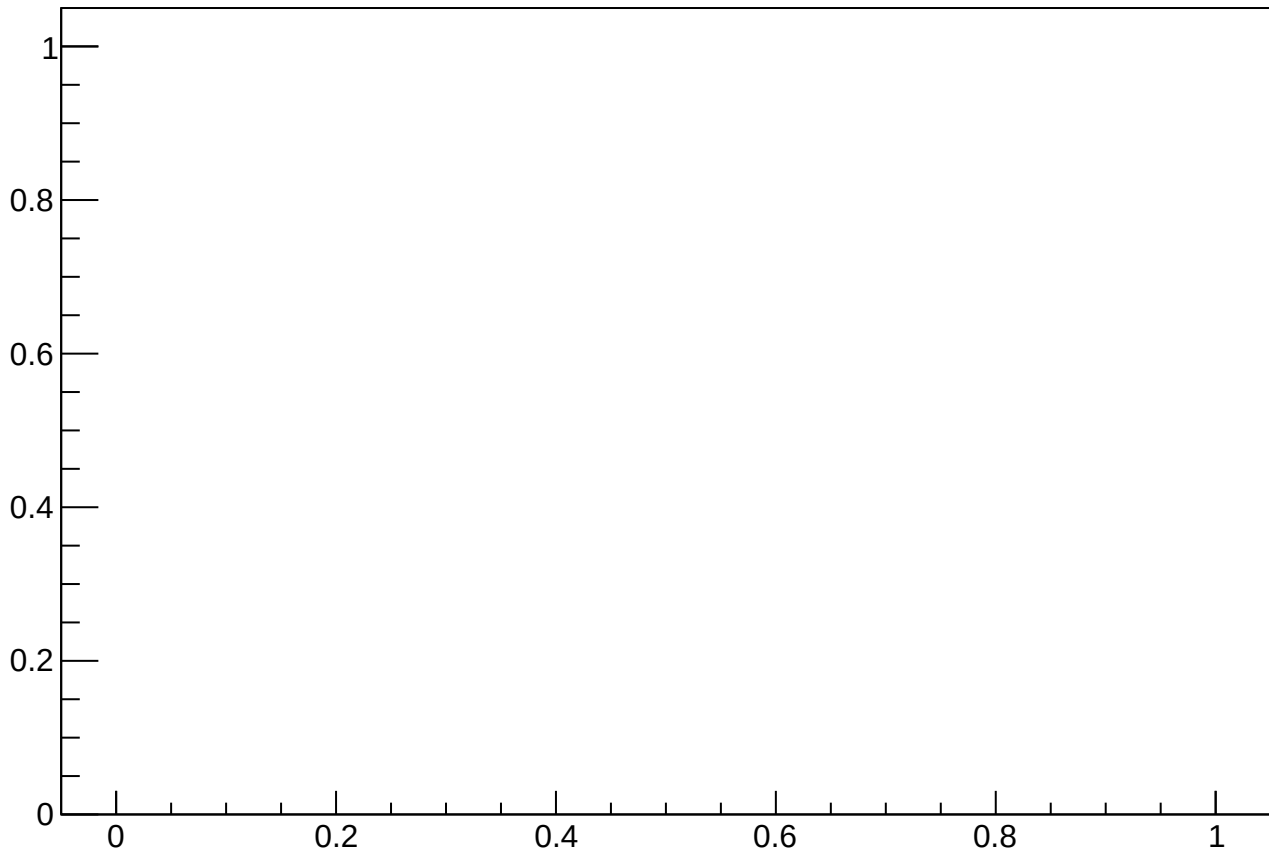
Left In: 1355.588 $\pm$ 0.244 χ^2 /NDF: 59919.8/19

+ sign 1403.453 $\pm$ 0.209 χ^2 /NDF: 1127739.0/38

All: 1401.098 $\pm$ 0.148 χ^2 /NDF: 1943835.1/77

- sign 1398.694 $\pm$ 0.211 χ^2 /NDF: 815839.0/38

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

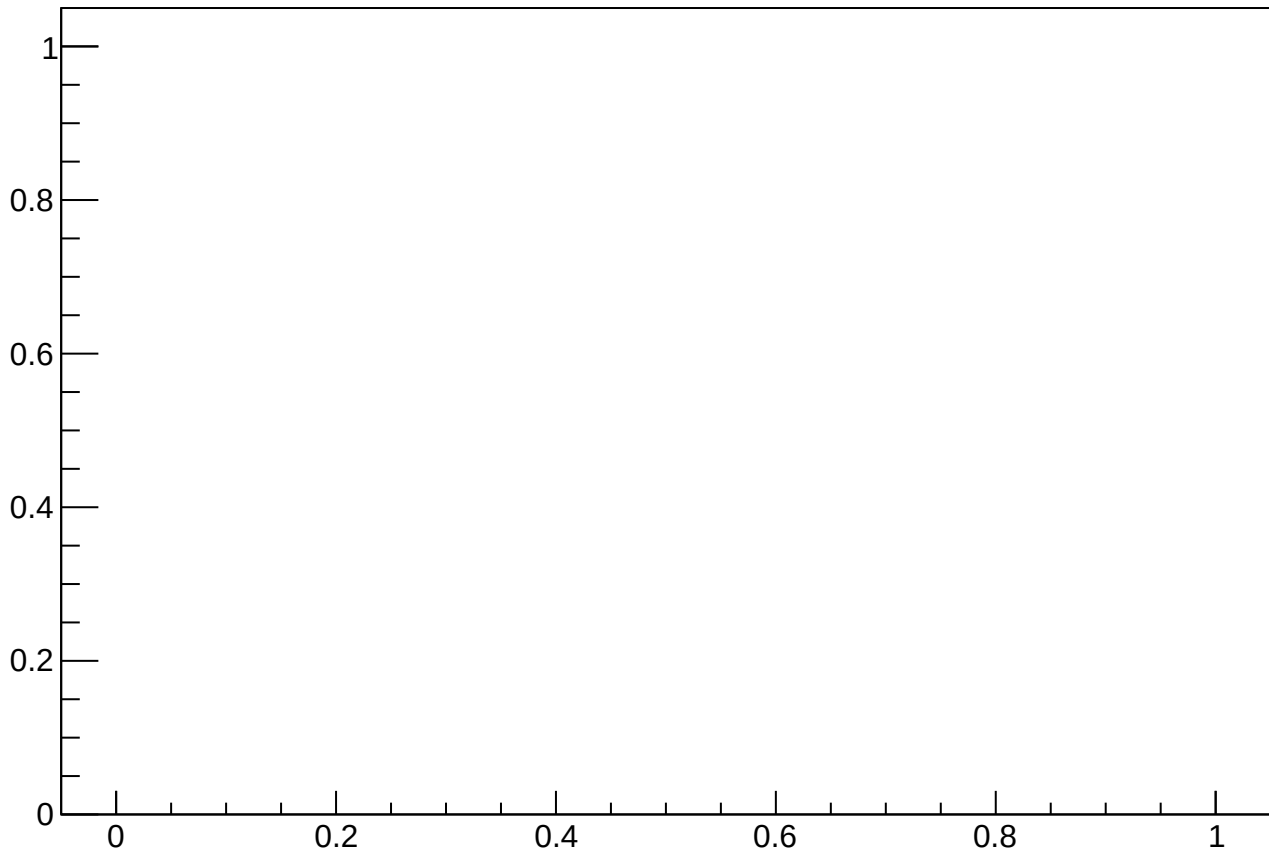
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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 $\pm$ 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

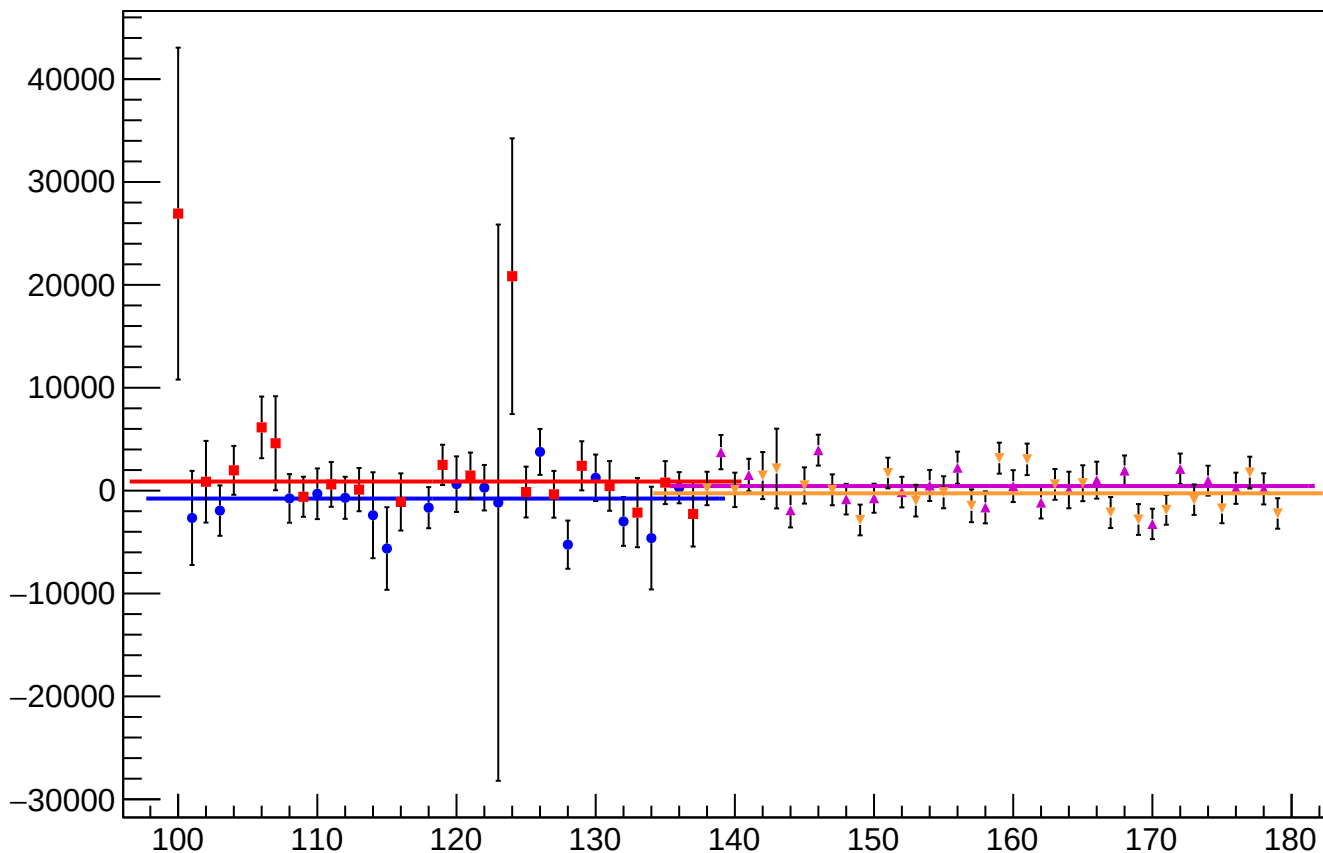
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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_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

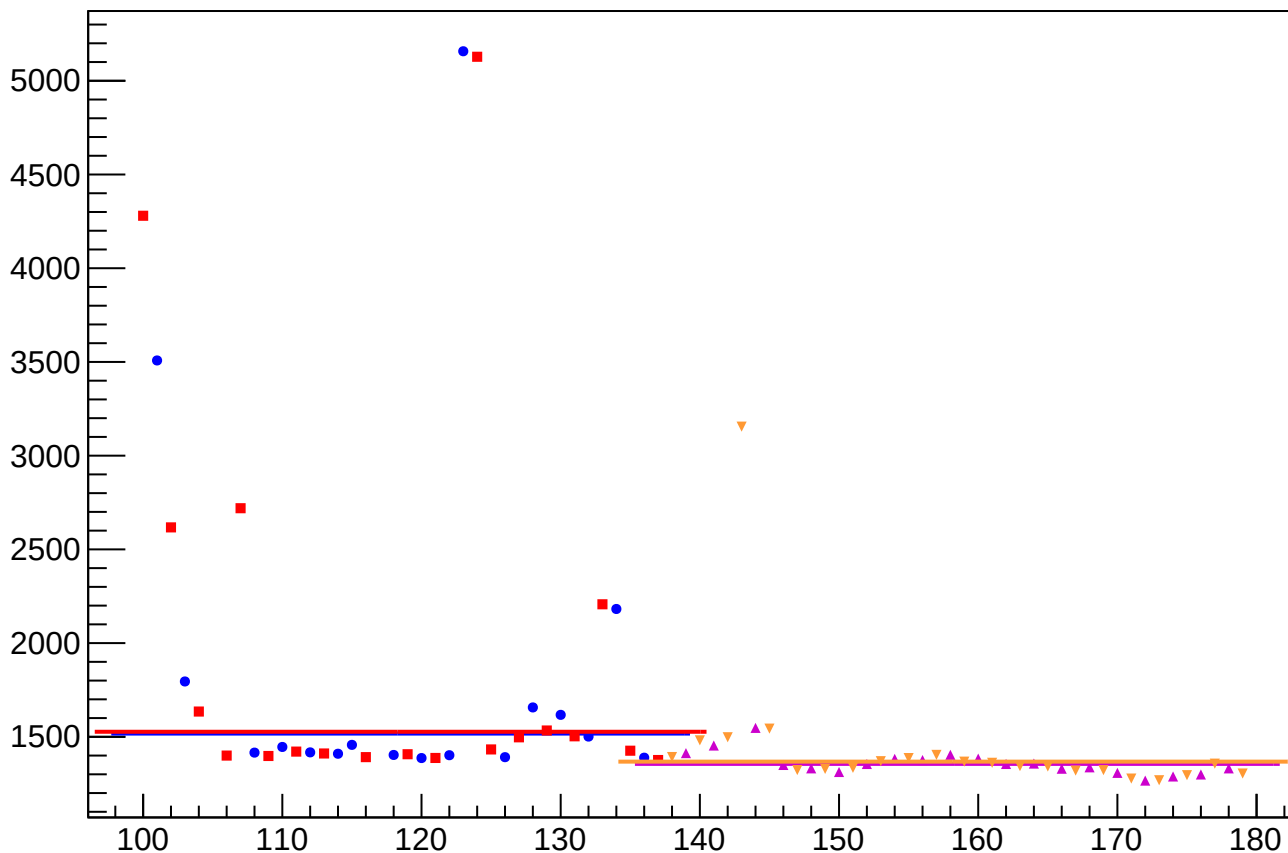
Left In: 443.916+/-344.895 χ^2/NDF : 26.4/19

+ sign -381.804+/-295.302 χ^2/NDF : 41.6/38

All: 81.651+/-209.896 χ^2/NDF : 86.8/77

- sign 554.869+/-298.396 χ^2/NDF : 40.3/38

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

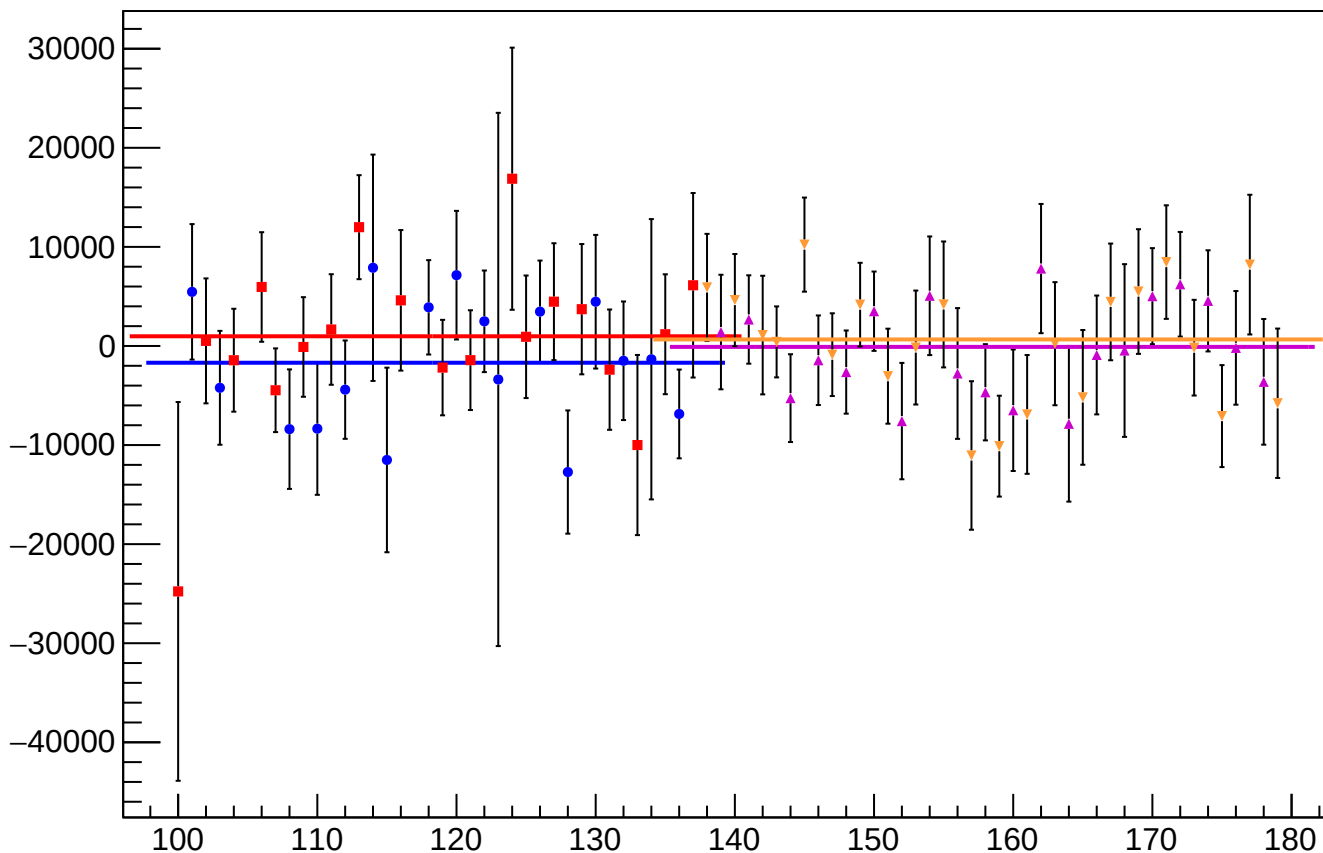
Left In: 1355.588+/-0.244 χ^2/NDF : 59919.8/19

+ sign 1403.453+/-0.209 χ^2/NDF : 1127739.0/38

All: 1401.098+/-0.148 χ^2/NDF : 1943835.1/77

- sign 1398.694+/-0.211 χ^2/NDF : 815839.0/38

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

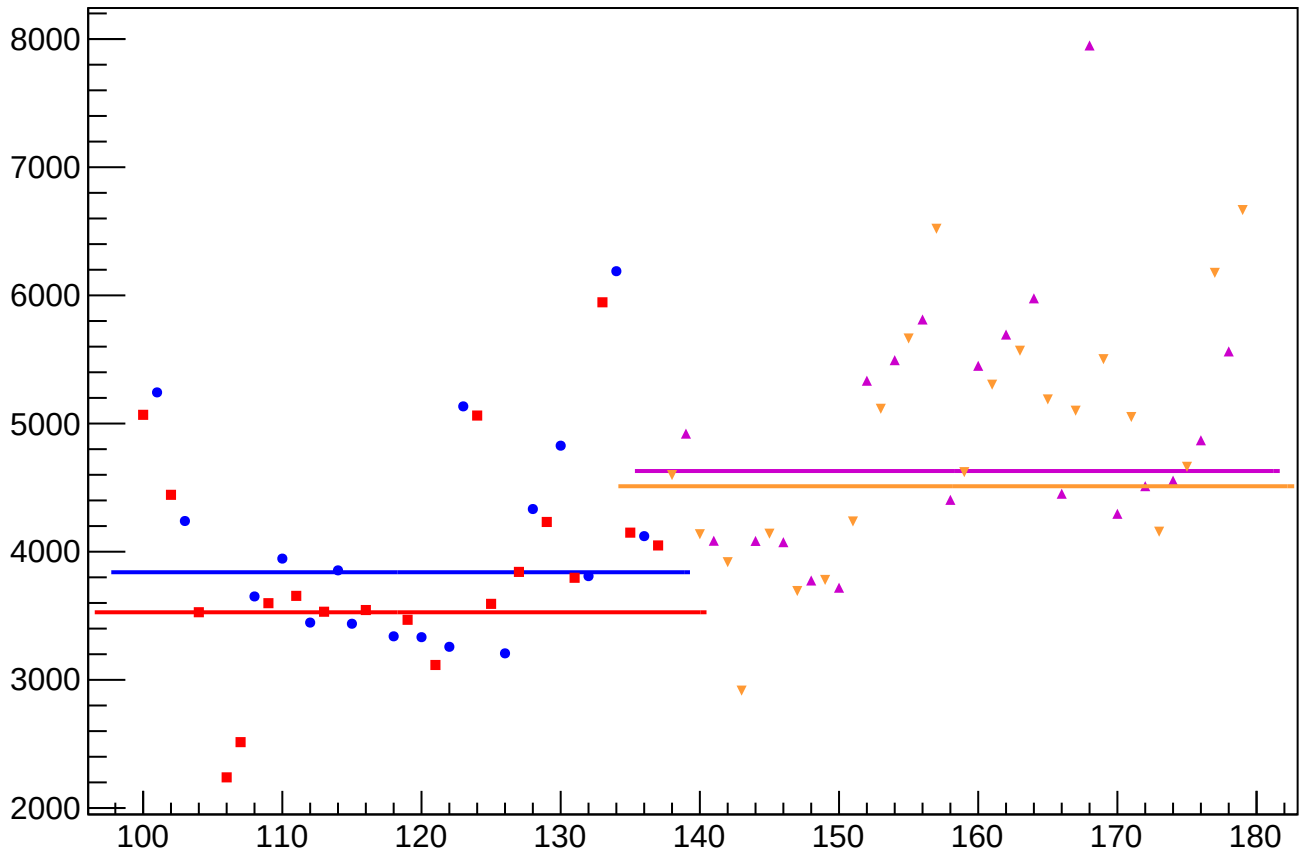
Left In: -92.418+/-1194.517 χ^2/NDF : 13.7/19

+ sign -187.994+/-907.549 χ^2/NDF : 41.2/38

All: 90.670+/-640.066 χ^2/NDF : 69.4/77

- sign 366.455+/-902.848 χ^2/NDF : 28.0/38

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

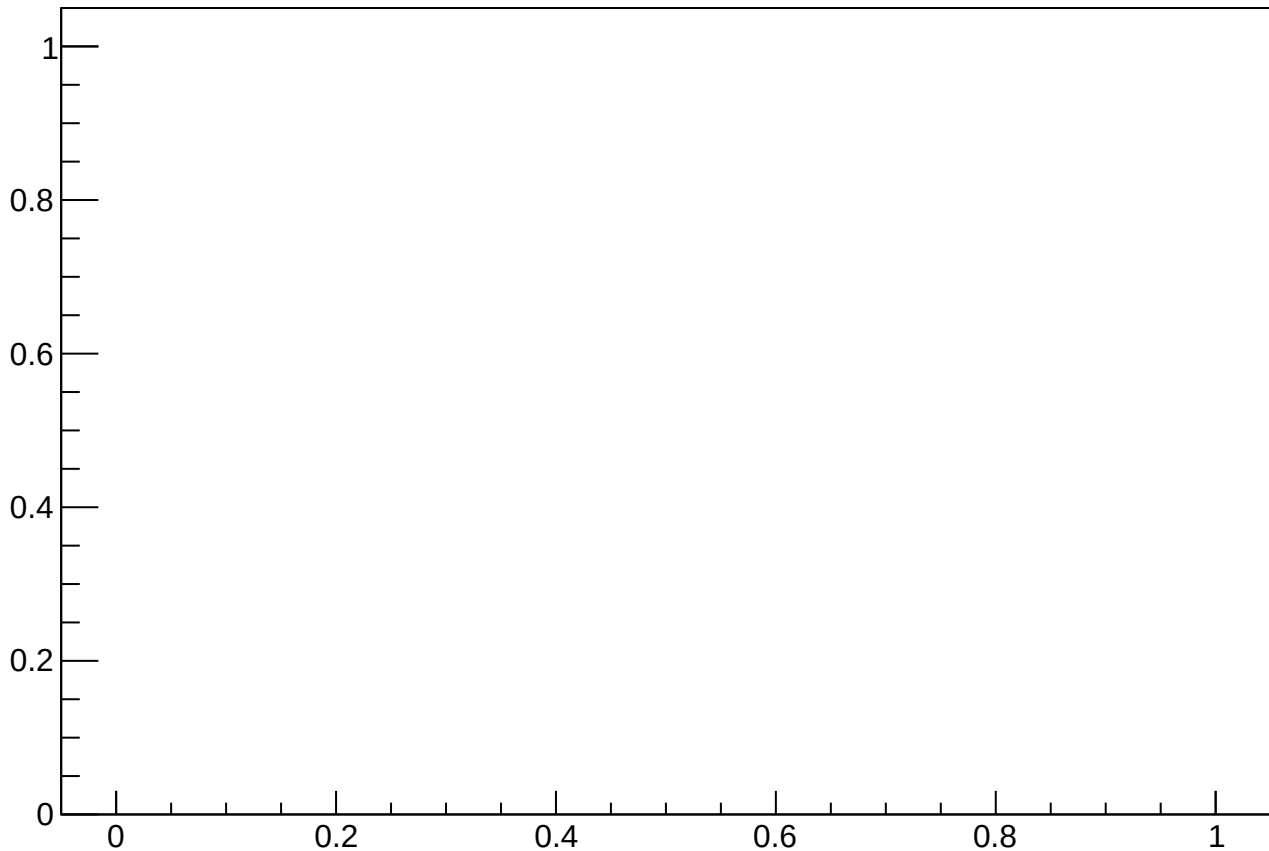
Left In: 4629.521 $\pm$ 0.845 χ^2 /NDF:918356.7/19

+ sign 4269.287 $\pm$ 0.642 χ^2 /NDF: 1882738.1/38

All: 4210.130 $\pm$ 0.452 χ^2 /NDF: 4110388.6/77

- sign 4152.043 $\pm$ 0.636 χ^2 /NDF: 2210808.6/38

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

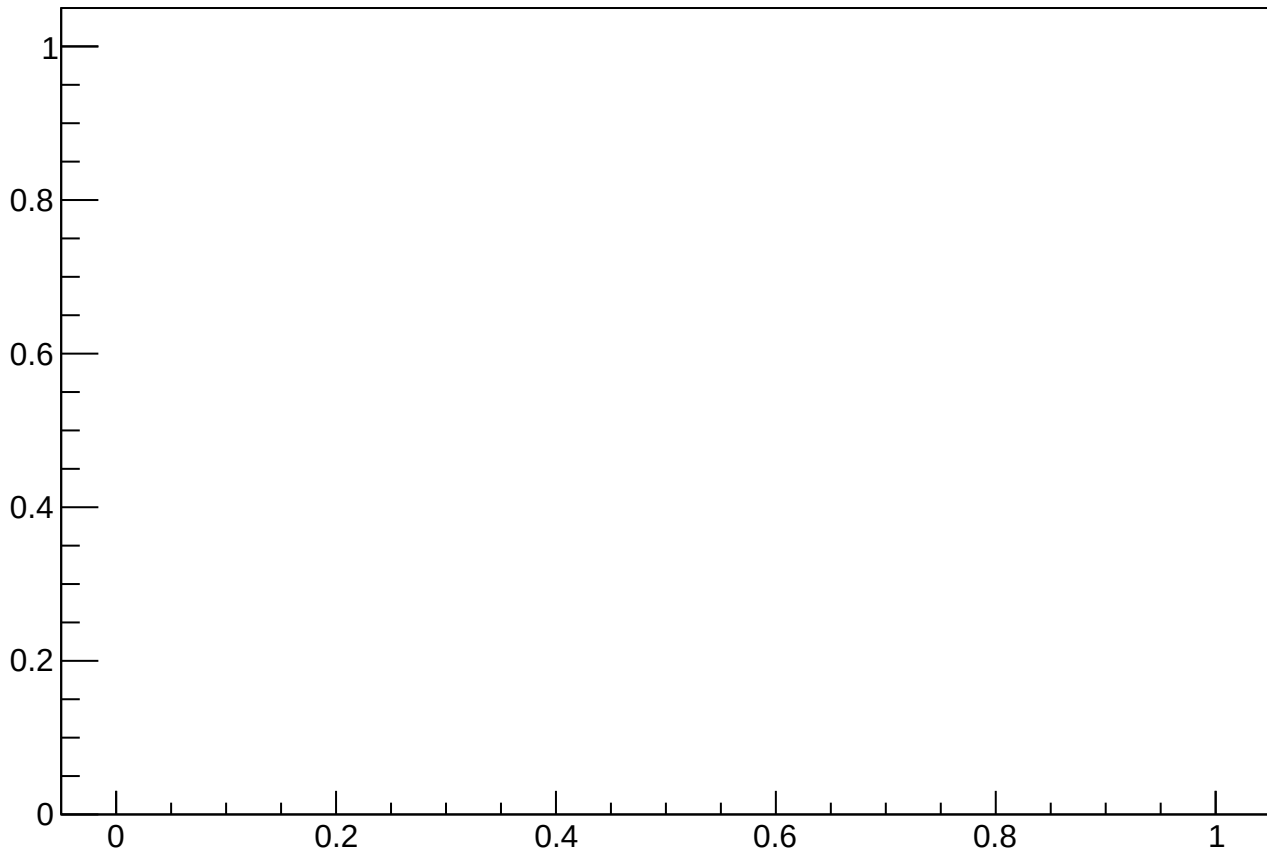
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

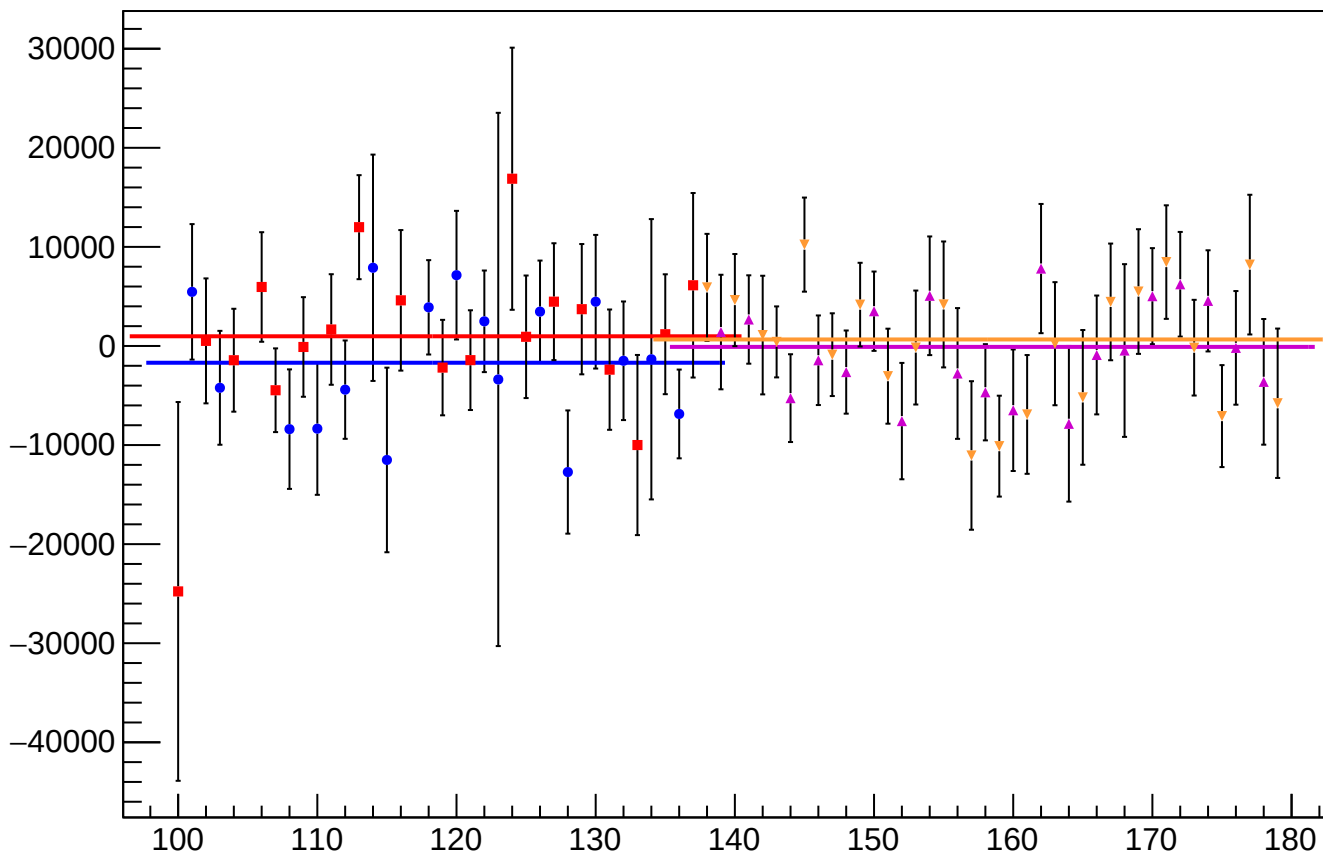
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

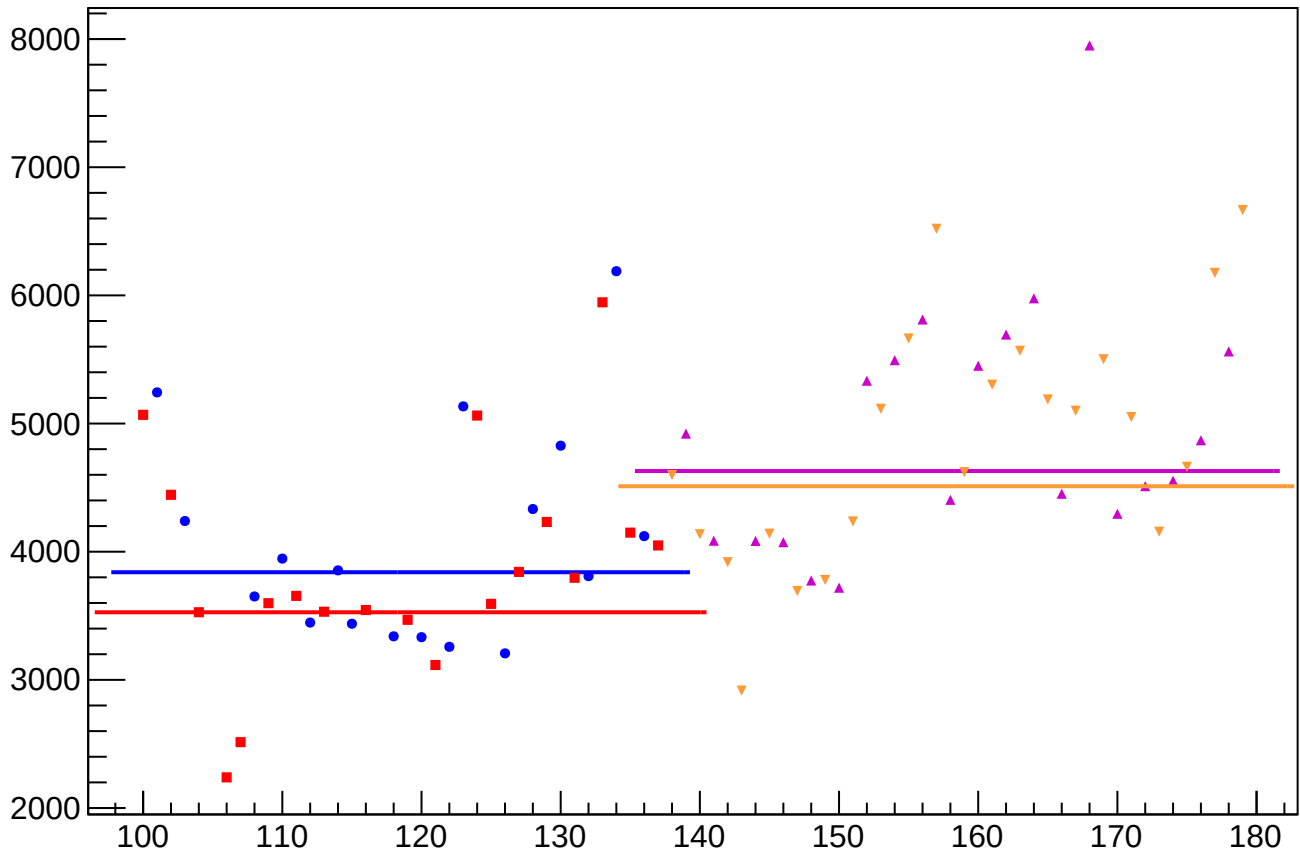
Left In: -92.418 ± 1194.517 χ^2/NDF : 13.7/19

+ sign -187.994 ± 907.549 χ^2/NDF : 41.2/38

All: 90.670 ± 640.066 χ^2/NDF : 69.4/77

- sign 366.455 ± 902.848 χ^2/NDF : 28.0/38

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

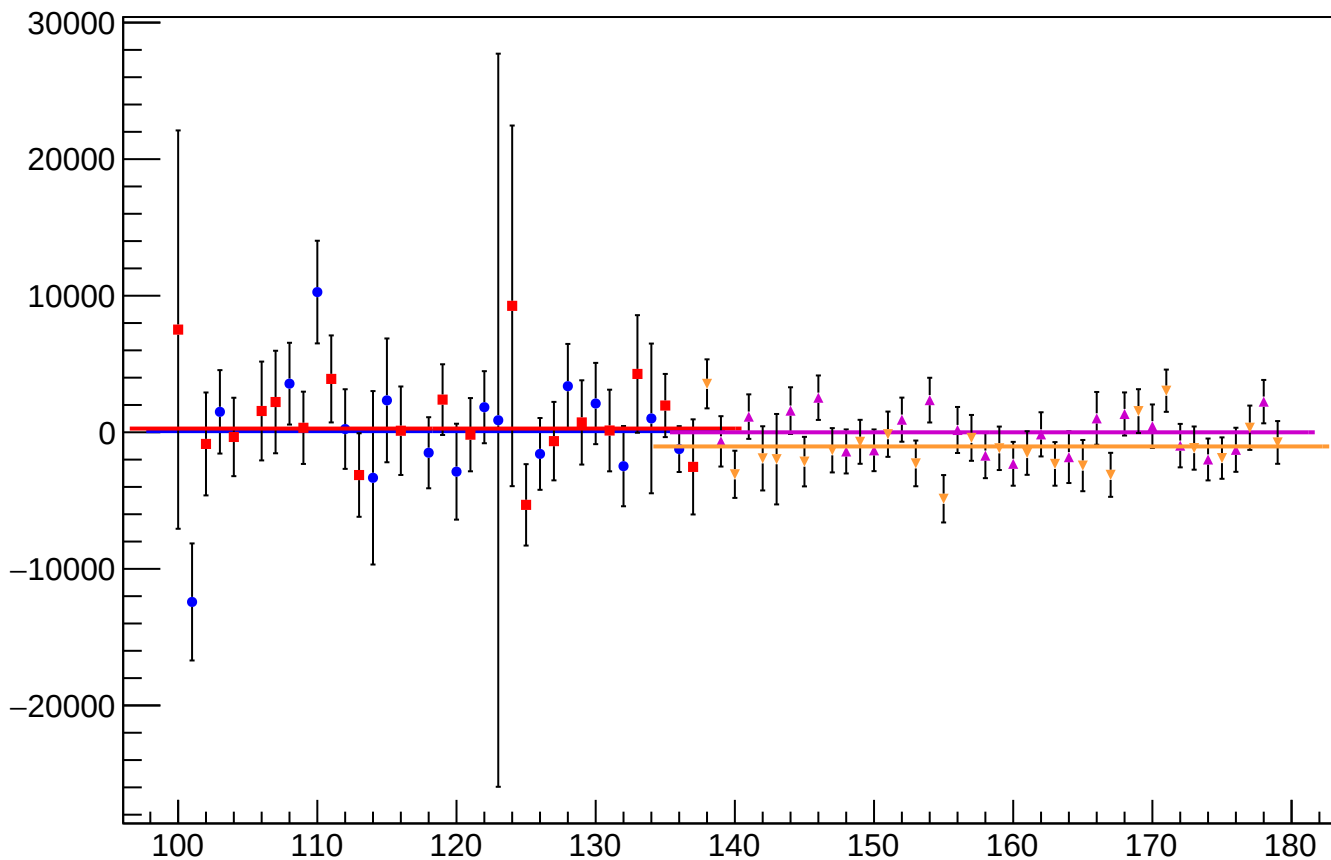
Left In: 4629.521+/-0.845 χ^2/NDF :918356.7/19

+ sign 4269.287+/-0.642 χ^2/NDF : 1882738.1/38

All: 4210.130+/-0.452 χ^2/NDF : 4110388.6/77

- sign 4152.043+/-0.636 χ^2/NDF : 2210808.6/38

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

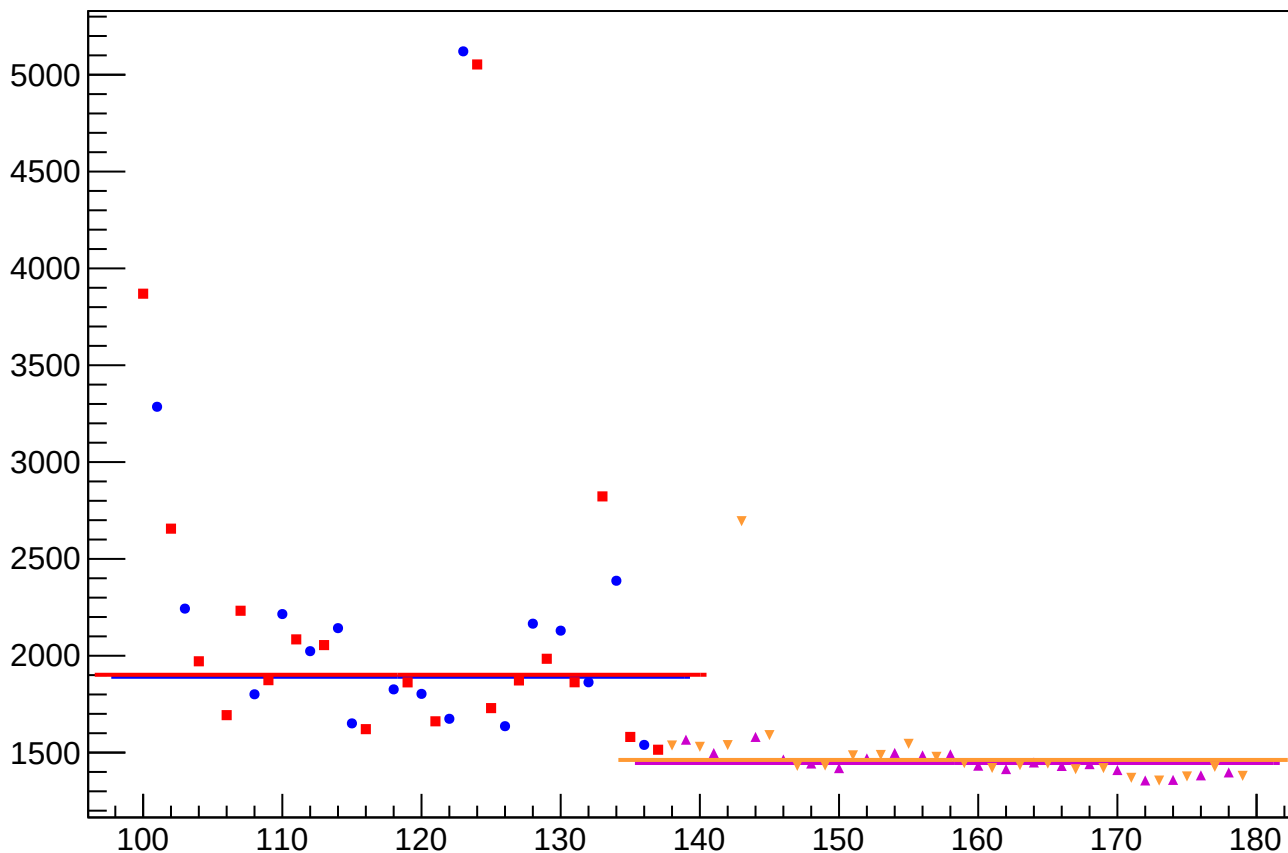
Left In: -1.516 $\pm$ 367.804 χ^2 /NDF: 17.7/19

+ sign -825.821 $\pm$ 325.313 χ^2 /NDF: 52.7/38

All: -390.898 $\pm$ 231.268 χ^2 /NDF: 84.3/77

- sign 53.507 $\pm$ 328.840 χ^2 /NDF: 27.9/38

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

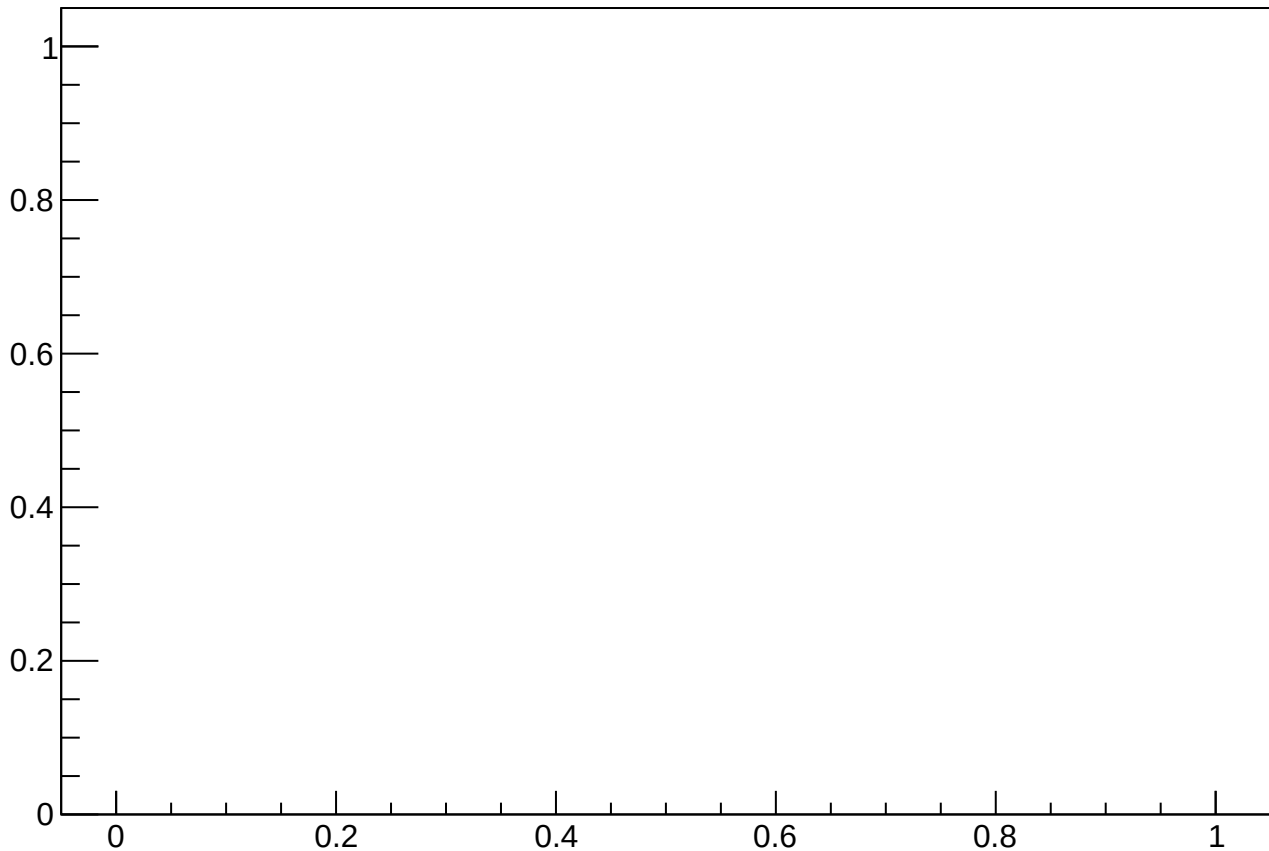
Left In: 1446.276+/-0.260 χ^2 /NDF: 48761.7/19

+ sign 1542.681+/-0.230 χ^2 /NDF: 1333841.0/38

All: 1540.207+/-0.164 χ^2 /NDF: 2459078.2/77

- sign 1537.679+/-0.233 χ^2 /NDF: 1125003.3/38

asym_atl_dd_atr_dd_dd_correction_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

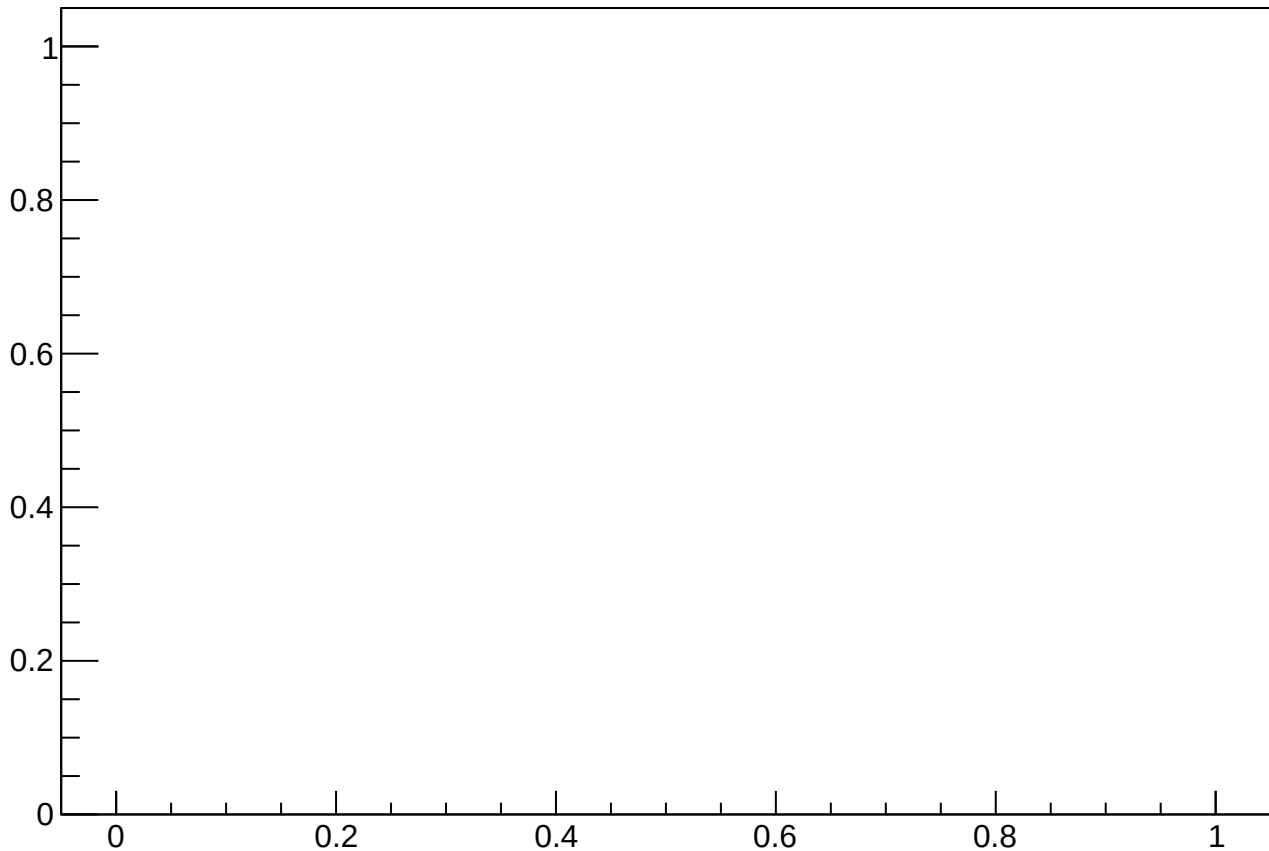
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ 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

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

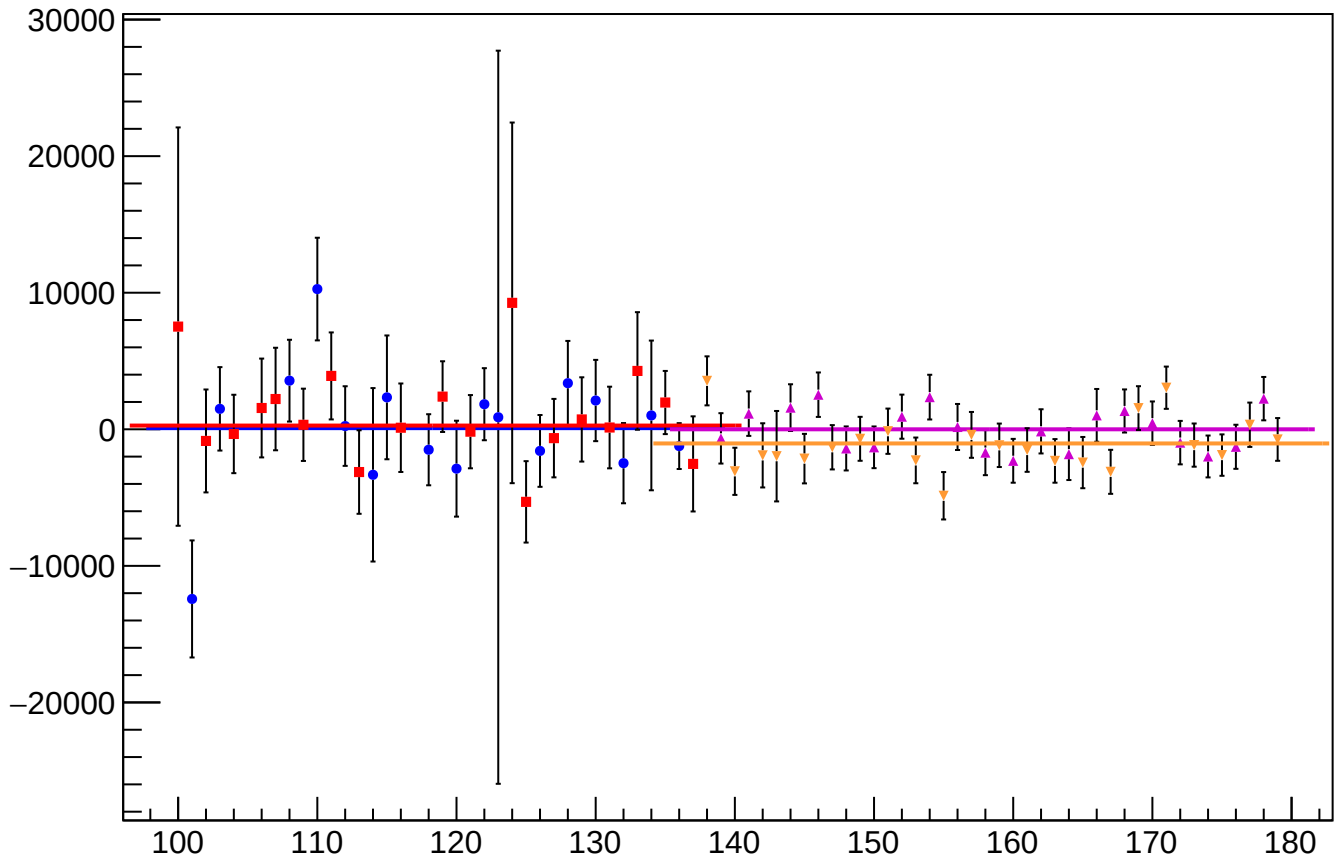
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

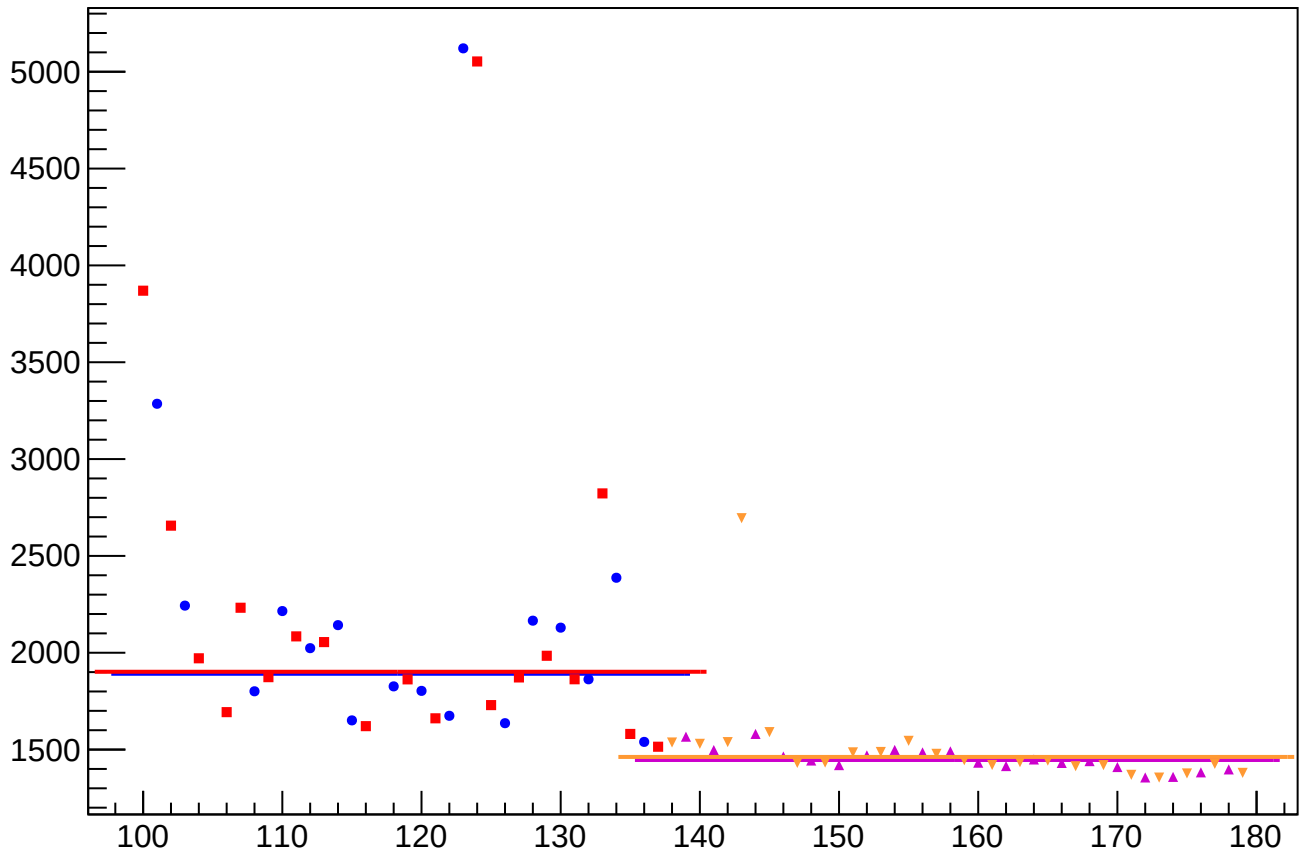
Left In: -1.516 $\pm$ 367.804 χ^2/NDF : 17.7/19

+ sign -825.821 $\pm$ 325.313 χ^2/NDF : 52.7/38

All: -390.898 $\pm$ 231.268 χ^2/NDF : 84.3/77

- sign 53.507 $\pm$ 328.840 χ^2/NDF : 27.9/38

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

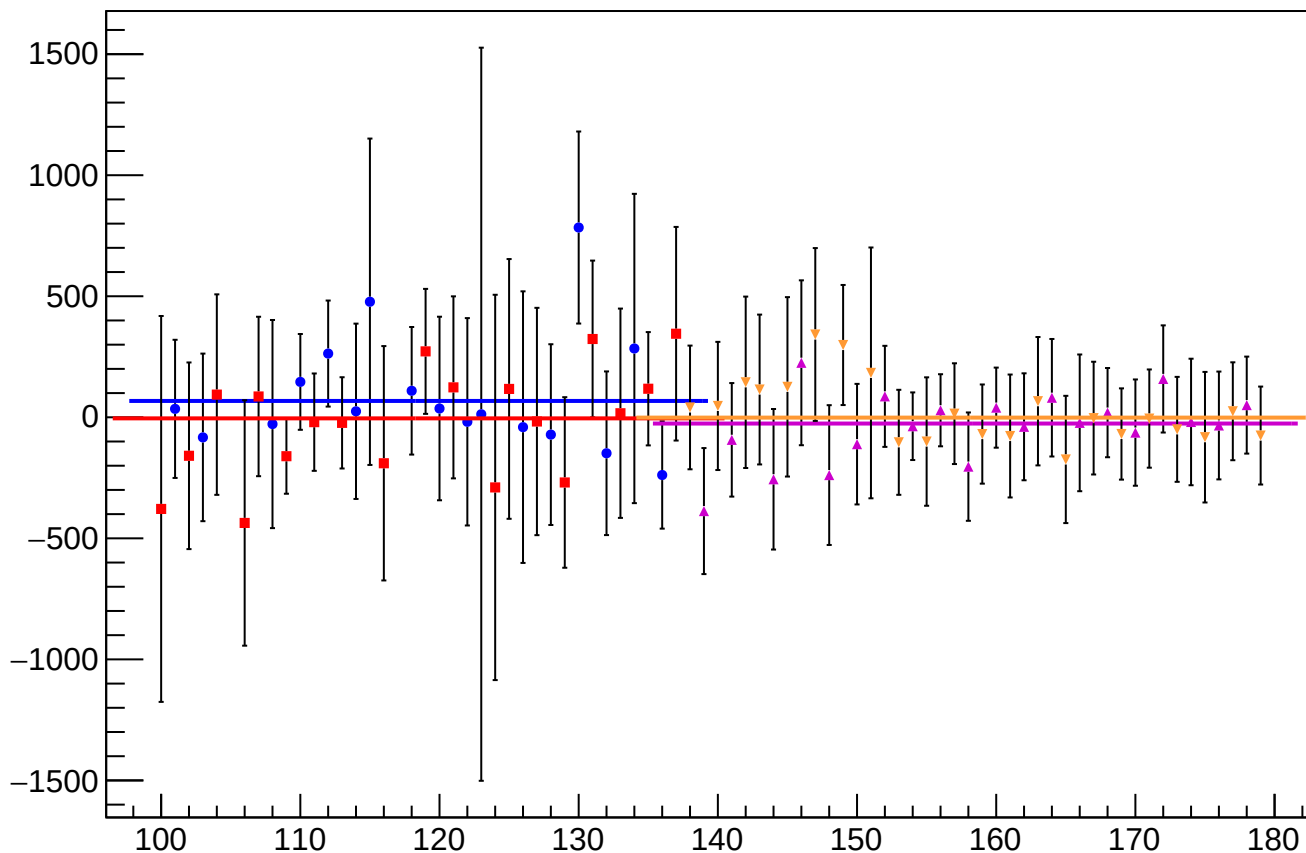
Left In: 1446.276+/-0.260 χ^2 /NDF:48761.7/19

+ sign 1542.681+/-0.230 χ^2 /NDF: 1333841.0/38

All: 1540.207+/-0.164 χ^2 /NDF: 2459078.2/77

- sign 1537.679+/-0.233 χ^2 /NDF: 1125003.3/38

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

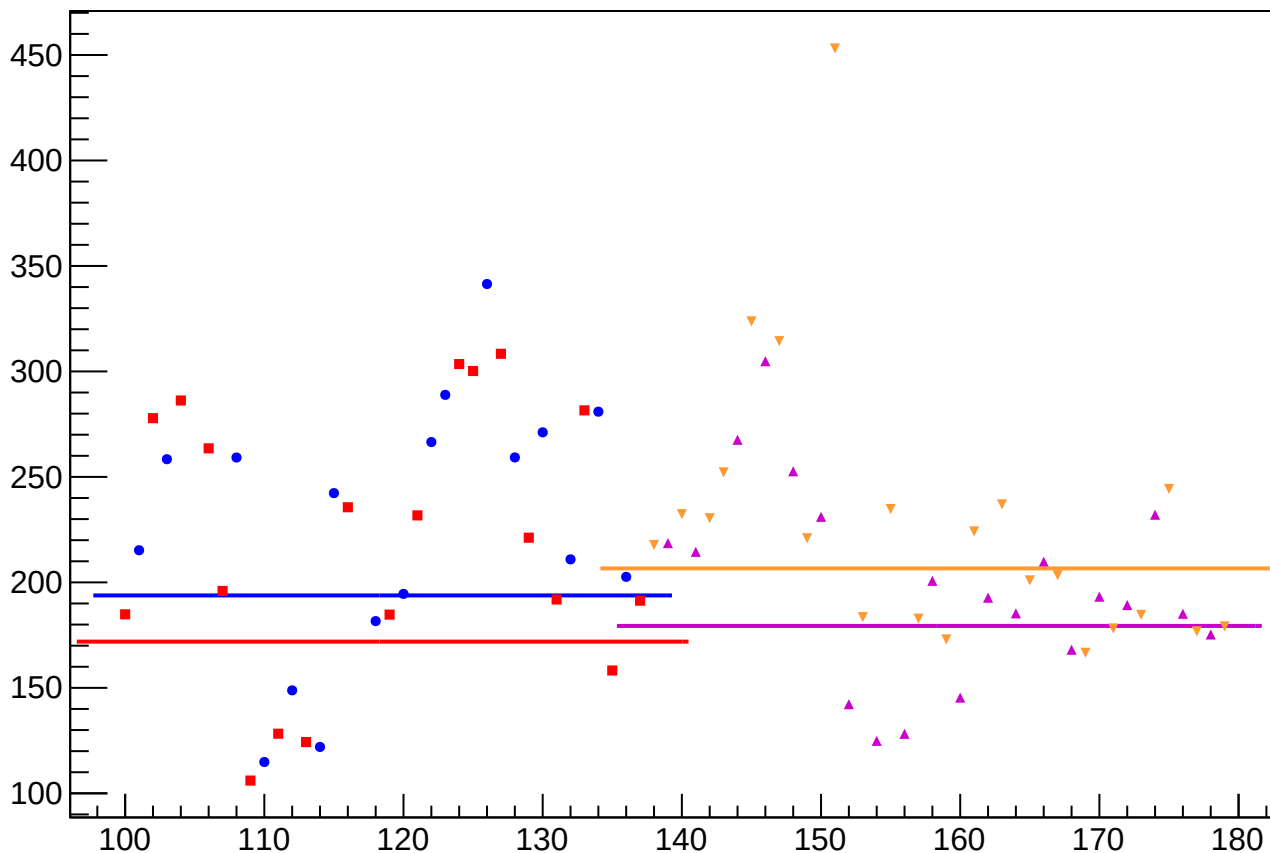
Left In: -25.825+/-47.795 χ^2/NDF : 6.2/19

+ sign 19.496+/-43.755 χ^2/NDF : 12.5/38

All: -1.739+/-29.309 χ^2/NDF : 25.6/77

- sign -19.021+/-39.474 χ^2/NDF : 12.6/38

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815 ± 0.056 χ^2/NDF : 1010325.5/16

Left Out: 206.625 ± 0.037 χ^2/NDF : 1348310.0/21

Right Out: 171.920 ± 0.050 χ^2/NDF : 1577076.0/18

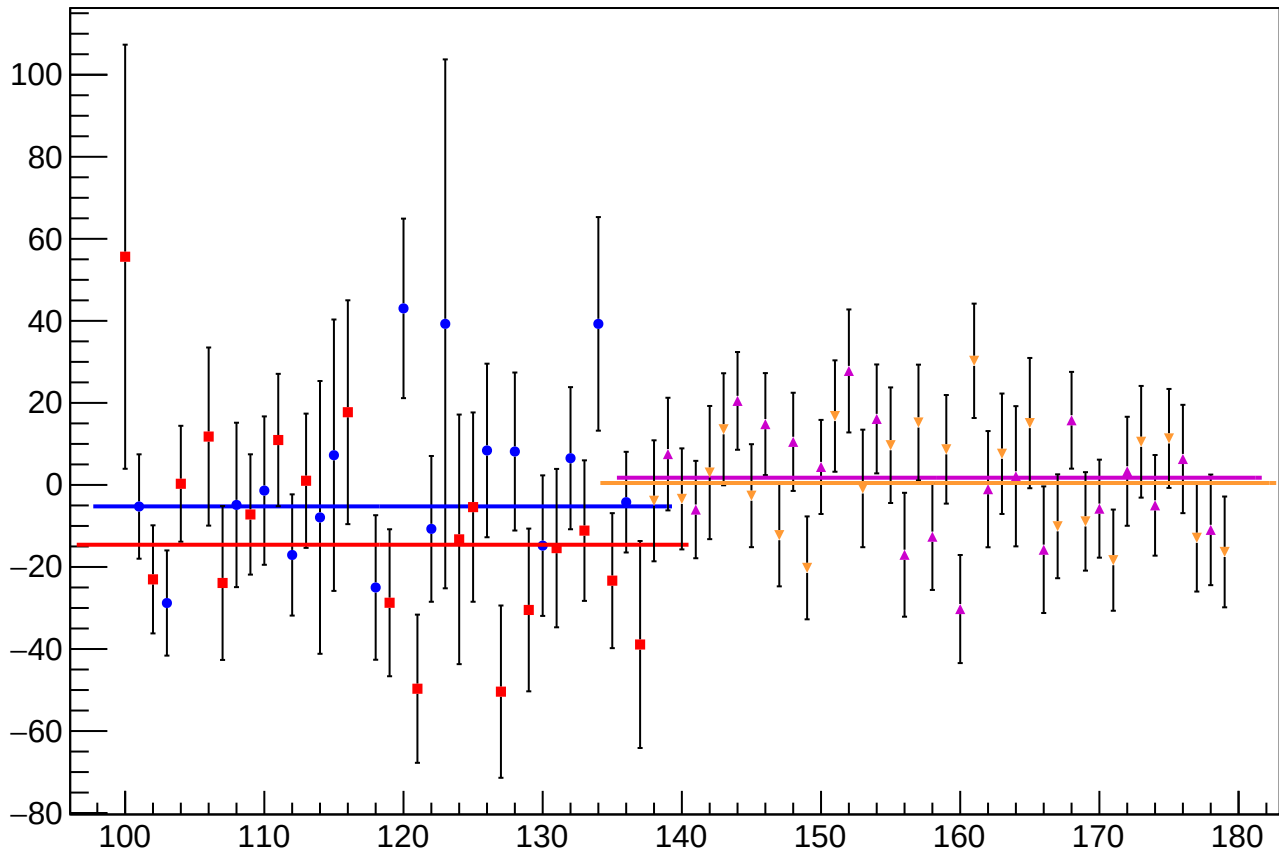
Left In: 179.356 ± 0.034 χ^2/NDF : 1602953.3/19

+ sign 202.755 ± 0.031 χ^2/NDF : 2394775.2/38

All: 188.552 ± 0.021 χ^2/NDF : 5972455.8/77

- sign 176.992 ± 0.028 χ^2/NDF : 3195419.5/38

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 $\pm$ 4.356 χ^2/NDF : 15.5/16

Left Out: 0.471 $\pm$ 2.856 χ^2/NDF : 21.5/21

Right Out: -14.579 $\pm$ 4.265 χ^2/NDF : 19.5/18

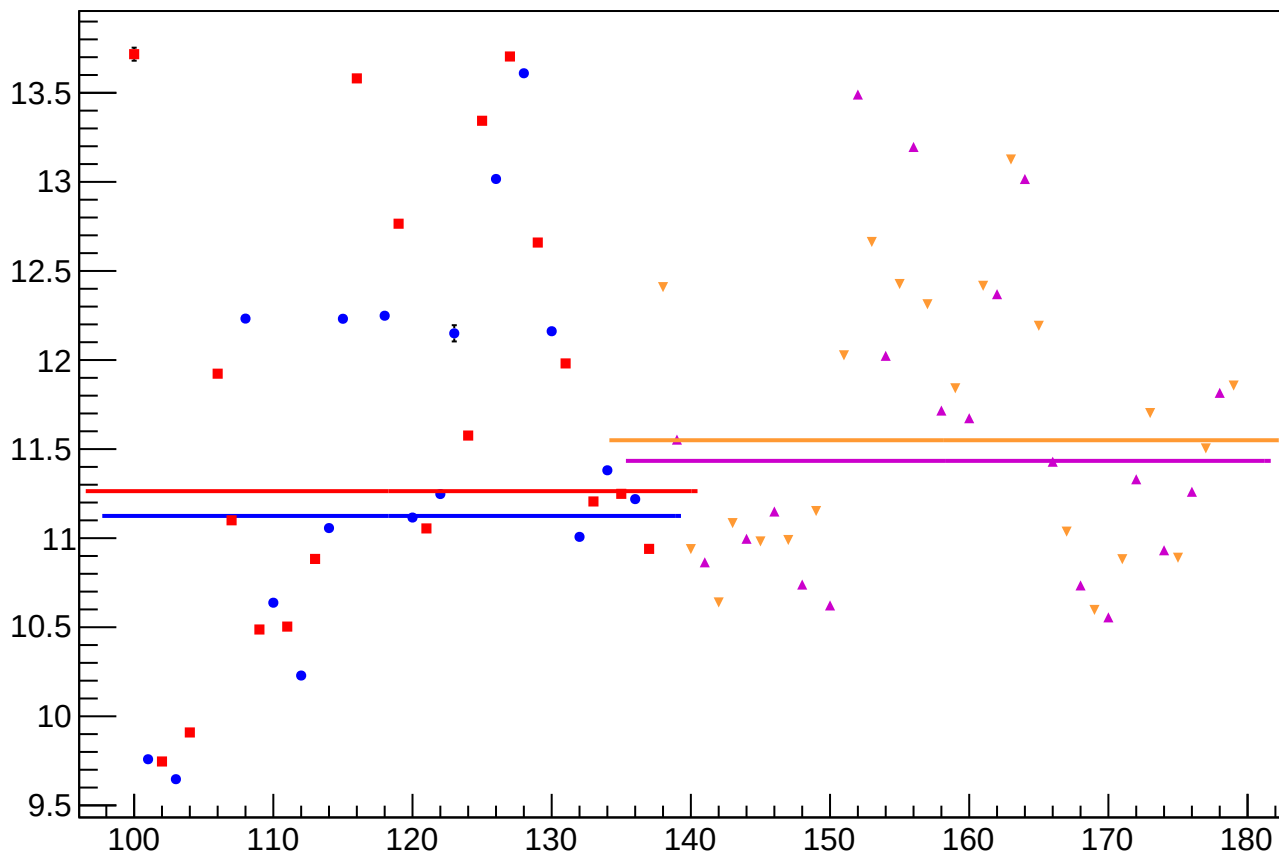
Left In: 1.759 $\pm$ 2.923 χ^2/NDF : 22.1/19

+ sign -1.243 $\pm$ 2.388 χ^2/NDF : 38.2/38

All: -2.342 $\pm$ 1.697 χ^2/NDF : 90.2/77

- sign -3.462 $\pm$ 2.411 χ^2/NDF : 51.6/38

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

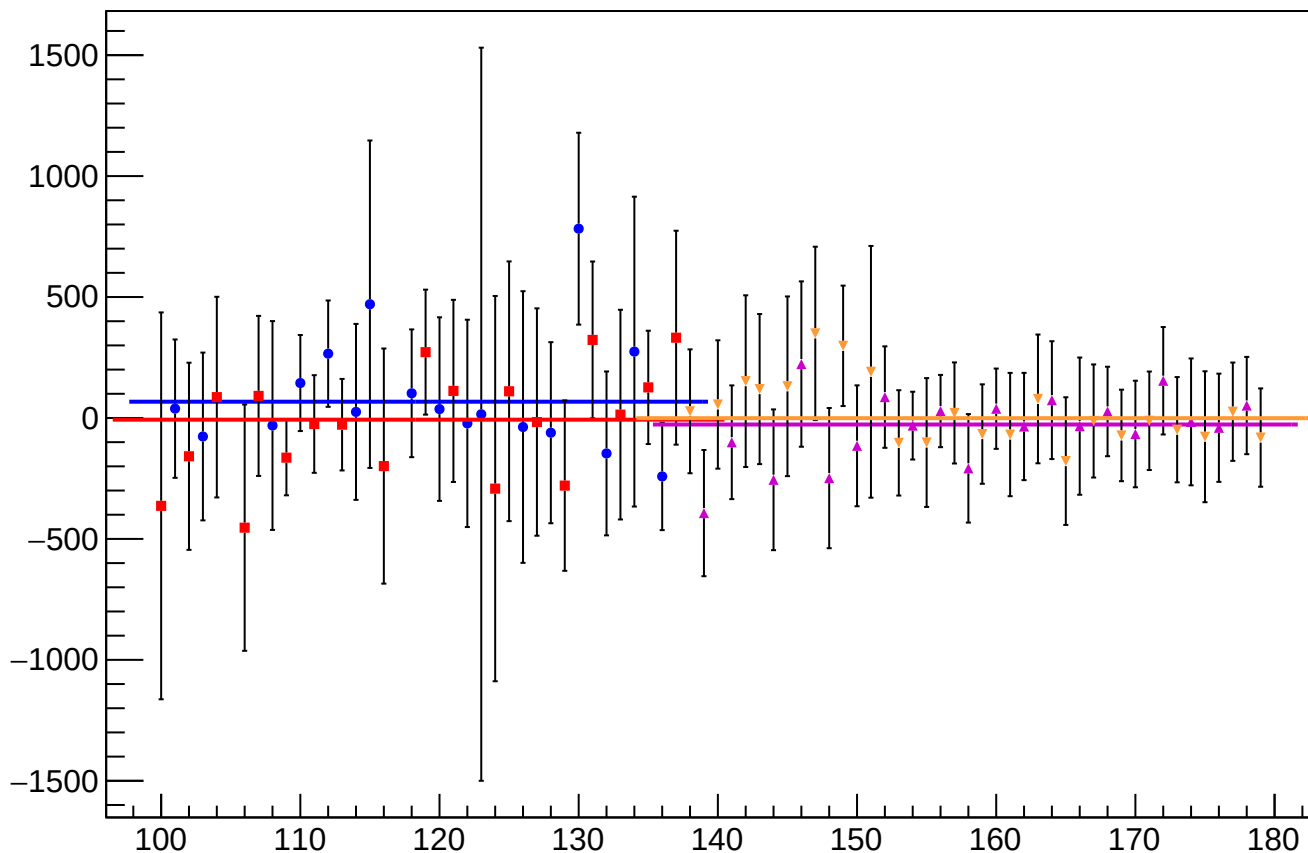
Left In: 11.434 $\pm$ 0.002 χ^2 /NDF:144783.6/19

+ sign 11.422 $\pm$ 0.002 χ^2 /NDF: 268486.9/38

All: 11.401 $\pm$ 0.001 χ^2 /NDF: 563476.5/77

- sign 11.380 $\pm$ 0.002 χ^2 /NDF: 294677.8/38

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: -0.811+/-52.570 χ^2/NDF : 4.6/21

Right Out: -7.039+/-70.212 χ^2/NDF : 6.4/18

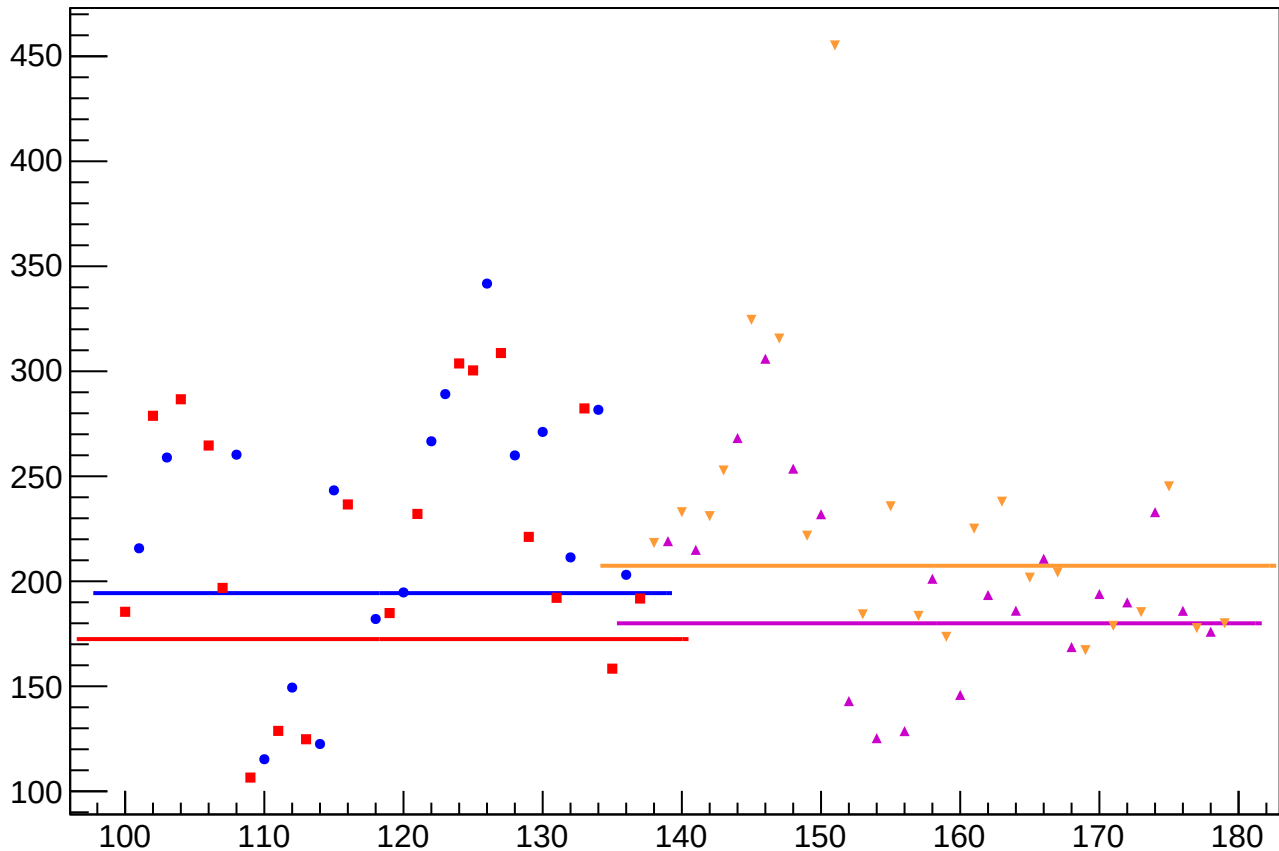
Left In: -27.030+/-47.964 χ^2/NDF : 6.3/19

+ sign 19.797+/-43.903 χ^2/NDF : 12.6/38

All: -2.513+/-29.407 χ^2/NDF : 25.8/77

- sign -20.669+/-39.605 χ^2/NDF : 12.8/38

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

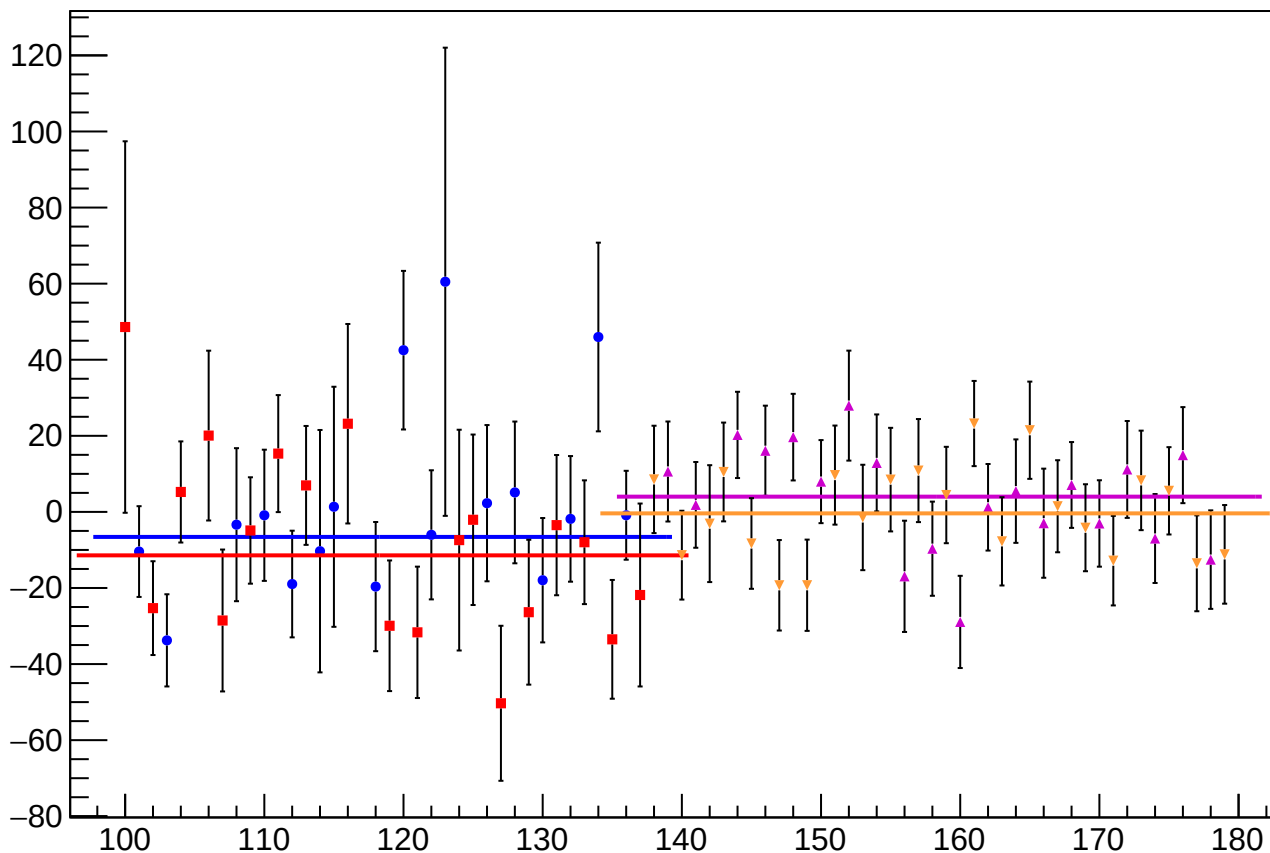
Left In: 179.994 $\pm$ 0.034 χ^2 /NDF:1601213.4/19

+ sign 203.454 $\pm$ 0.031 χ^2 /NDF: 2388233.6/38

All: 189.200 $\pm$ 0.021 χ^2 /NDF: 5957116.3/77

- sign 177.601 $\pm$ 0.028 χ^2 /NDF: 3186517.1/38

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

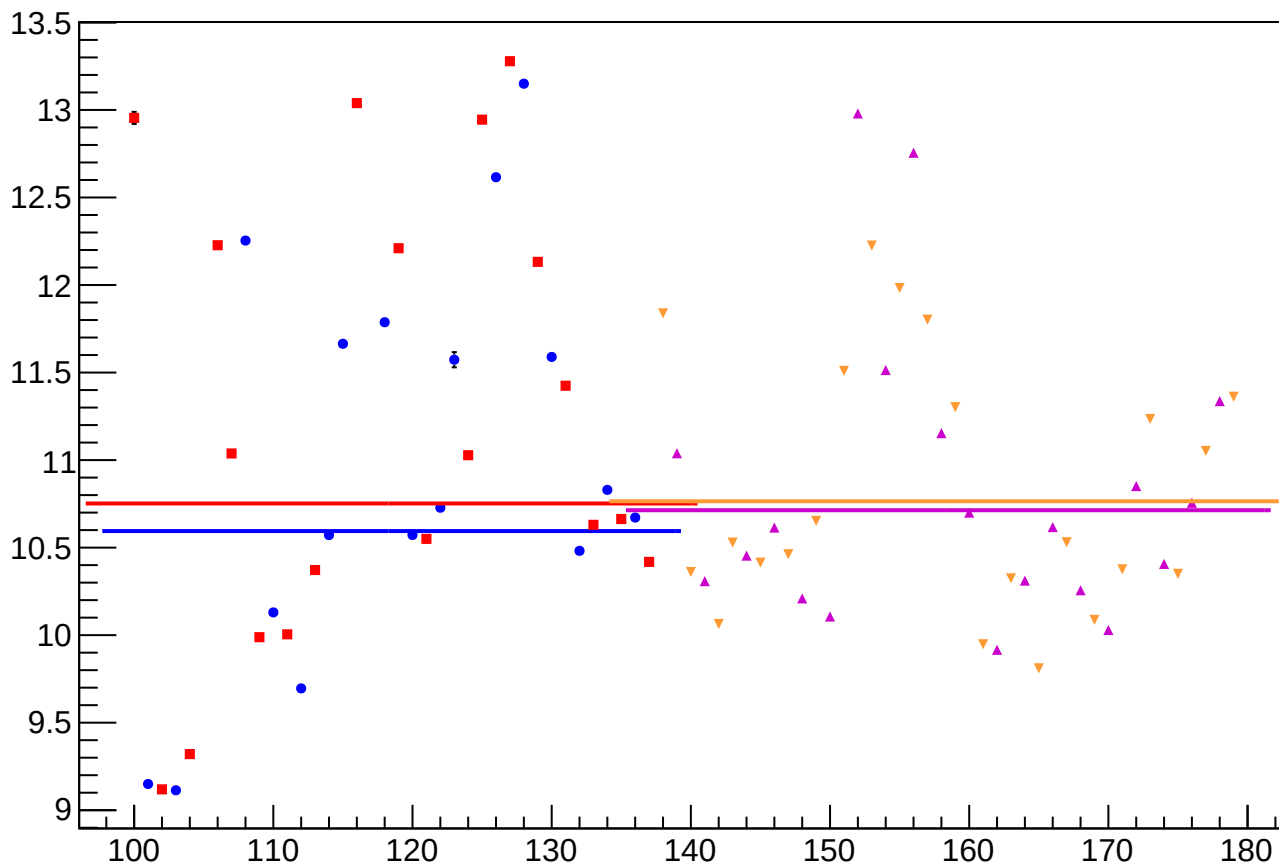
Left In: 4.009 ± 2.743 χ^2/NDF : 23.6/19

+ sign -2.189 ± 2.244 χ^2/NDF : 41.7/38

All: -1.502 ± 1.598 χ^2/NDF : 98.4/77

- sign -0.795 ± 2.276 χ^2/NDF : 56.4/38

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 ± 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.765 ± 0.002 χ^2/NDF : 127214.4/21

Right Out: 10.752 ± 0.003 χ^2/NDF : 177173.0/18

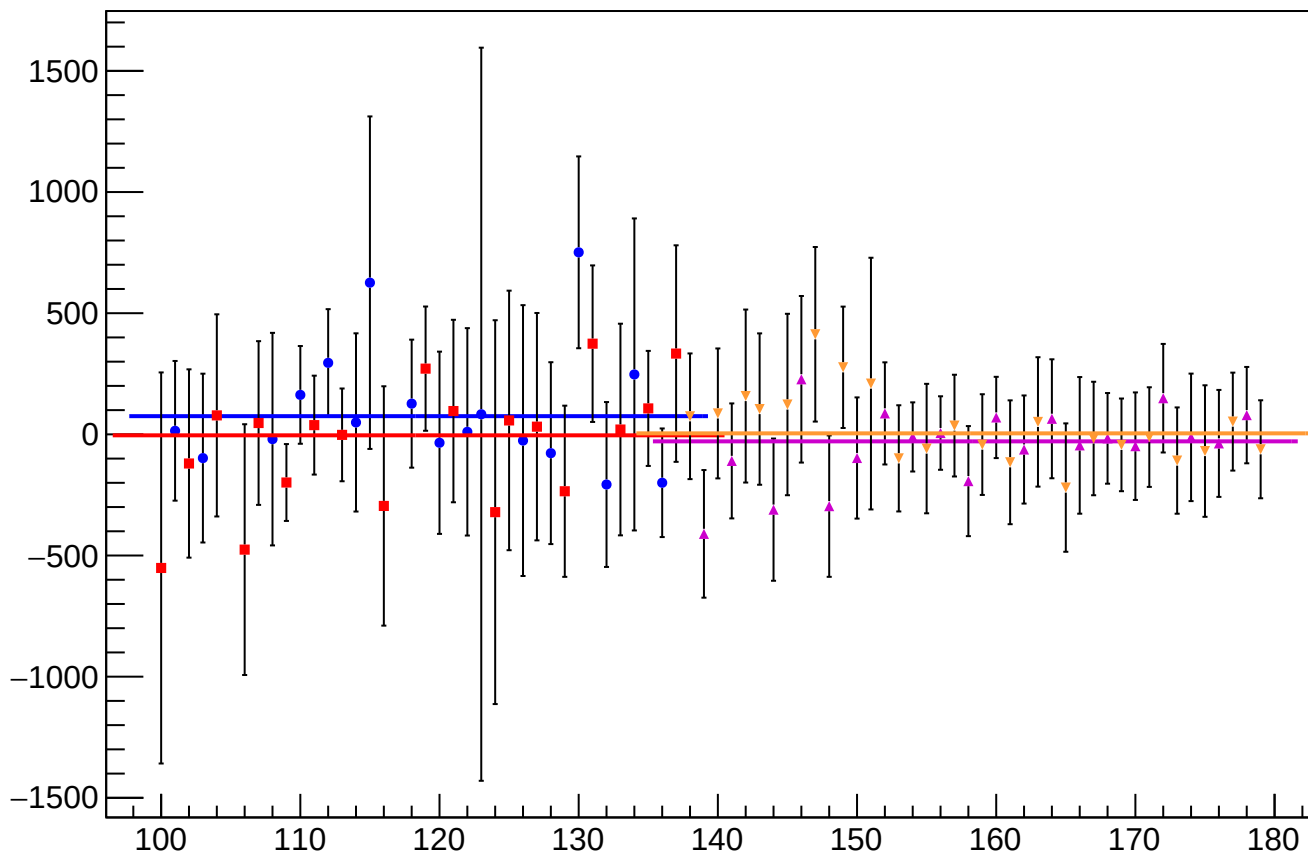
Left In: 10.714 ± 0.002 χ^2/NDF : 142179.8/19

+ sign 10.715 ± 0.002 χ^2/NDF : 289651.6/38

All: 10.720 ± 0.001 χ^2/NDF : 609148.1/77

- sign 10.726 ± 0.002 χ^2/NDF : 319475.4/38

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

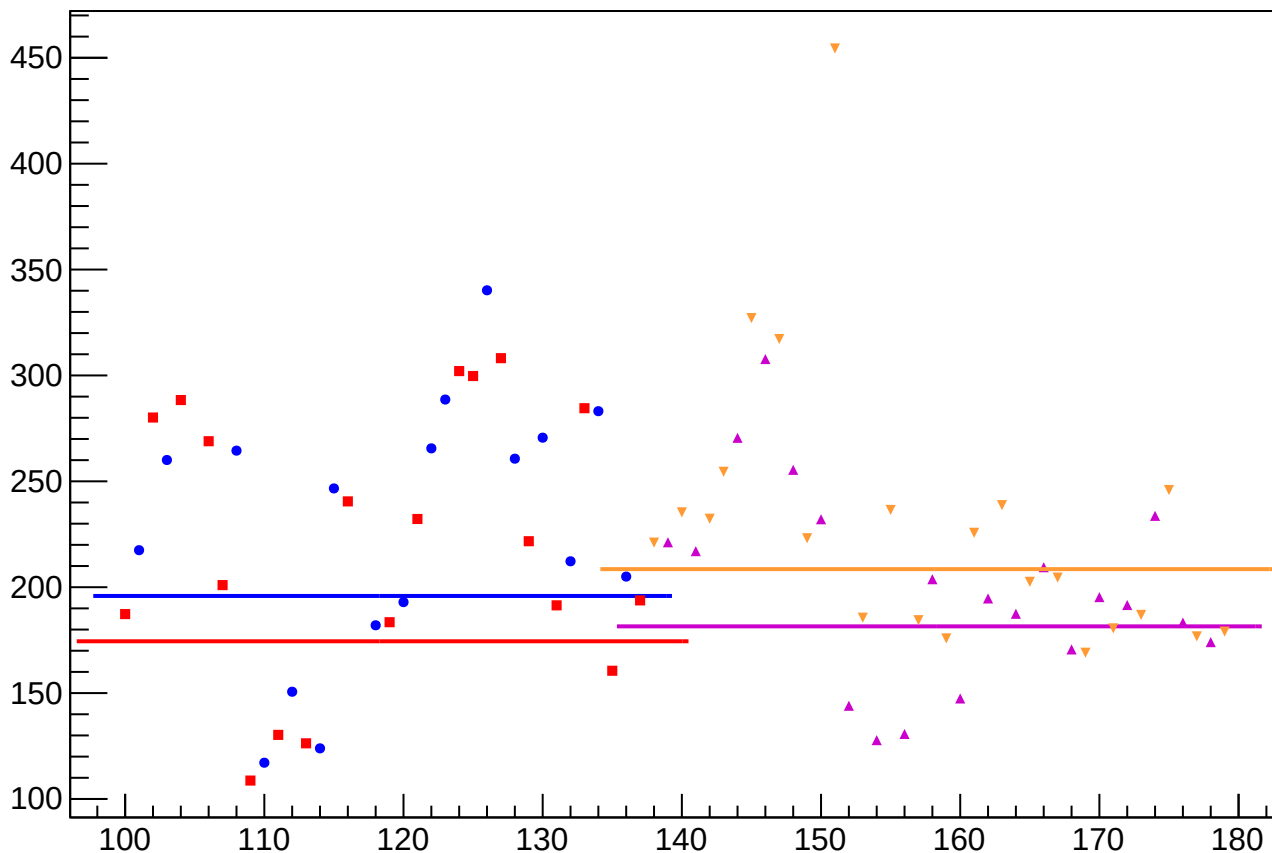
Left In: -28.909 $\pm$ 48.315 χ^2 /NDF: 7.0/19

+ sign 25.560 $\pm$ 44.149 χ^2 /NDF: 13.3/38

All: -0.058 $\pm$ 29.612 χ^2 /NDF: 28.3/77

- sign -21.007 $\pm$ 39.923 χ^2 /NDF: 14.4/38

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

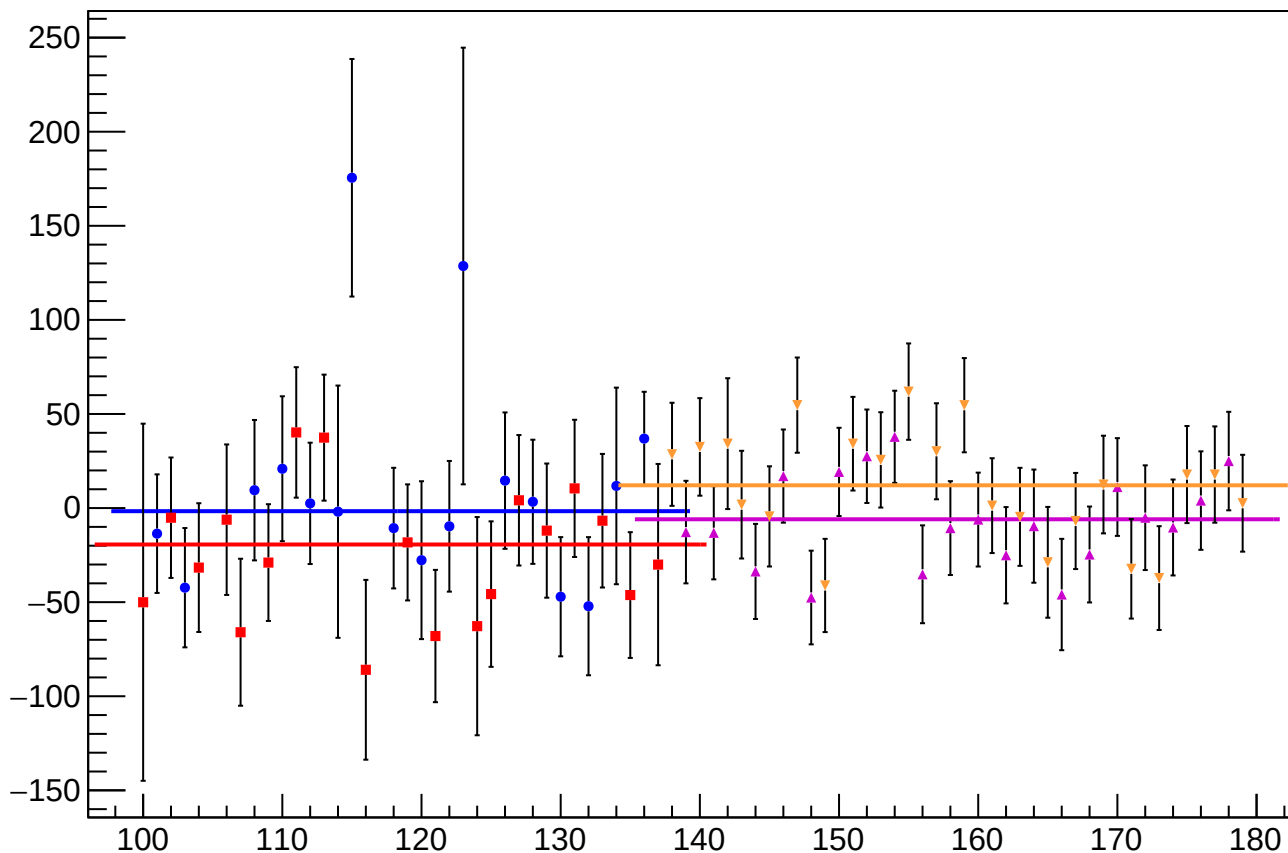
Left In: 181.512 $\pm$ 0.034 χ^2 /NDF:1555337.2/19

+ sign 204.713 $\pm$ 0.031 χ^2 /NDF: 2355670.0/38

All: 190.720 $\pm$ 0.021 χ^2 /NDF: 5818520.5/77

- sign 179.277 $\pm$ 0.028 χ^2 /NDF: 3097611.4/38

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 $\chi^2/\text{NDF}: 18.5/16$

Left Out: 12.105 ± 5.607 $\chi^2/\text{NDF}: 26.9/21$

Right Out: -19.357 ± 8.556 $\chi^2/\text{NDF}: 14.8/18$

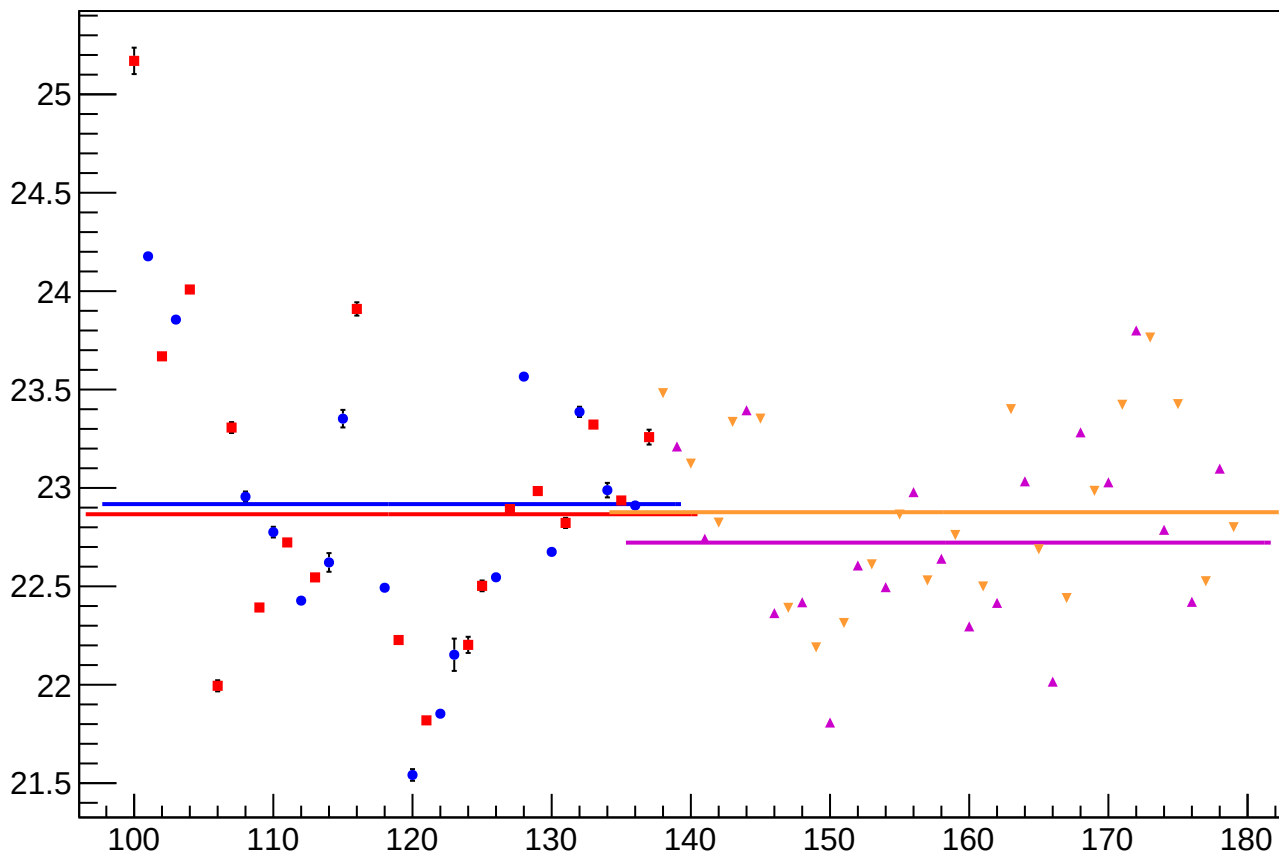
Left In: -5.958 ± 5.760 $\chi^2/\text{NDF}: 17.4/19$

+ sign 8.183 ± 4.741 $\chi^2/\text{NDF}: 47.2/38$

All: -0.907 ± 3.365 $\chi^2/\text{NDF}: 88.5/77$

- sign -10.137 ± 4.778 $\chi^2/\text{NDF}: 33.9/38$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 ± 0.006 $\chi^2/\text{NDF}: 11472.2/16$

Left Out: 22.877 ± 0.004 $\chi^2/\text{NDF}: 12421.8/21$

Right Out: 22.866 ± 0.006 $\chi^2/\text{NDF}: 11052.6/18$

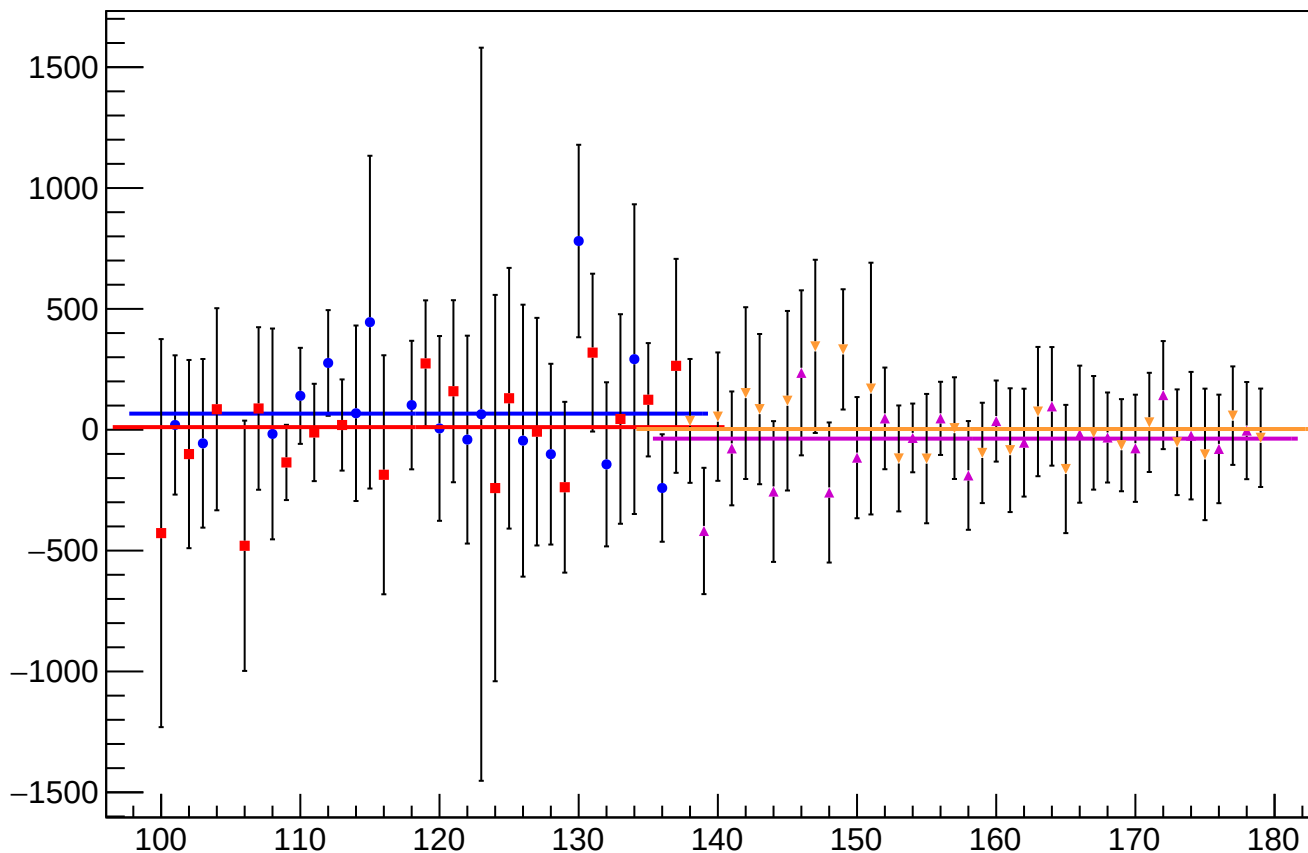
Left In: 22.722 ± 0.004 $\chi^2/\text{NDF}: 13408.1/19$

+ sign 22.888 ± 0.003 $\chi^2/\text{NDF}: 23924.7/38$

All: 22.828 ± 0.002 $\chi^2/\text{NDF}: 49426.3/77$

- sign 22.767 ± 0.003 $\chi^2/\text{NDF}: 24851.9/38$

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

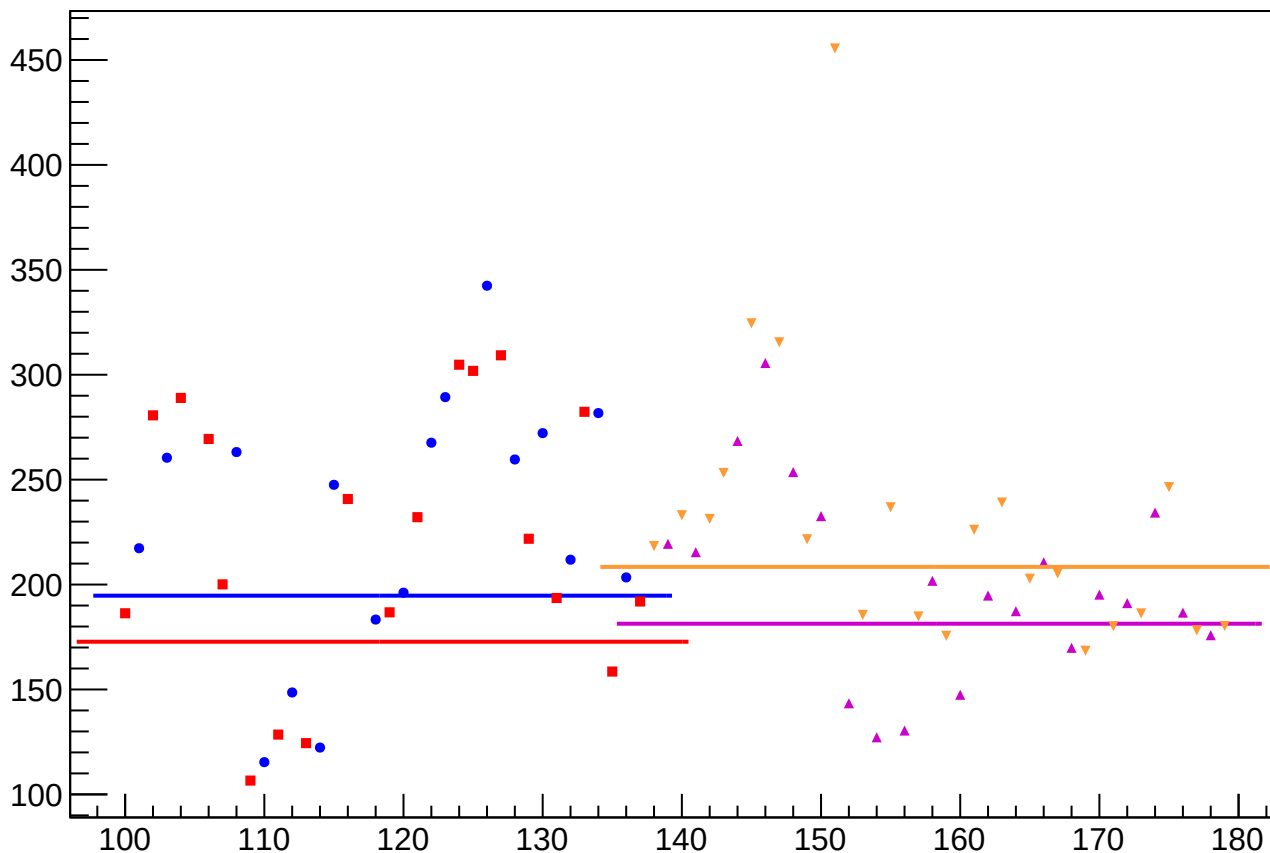
Left In: -36.781 $\pm$ 48.271 χ^2 /NDF: 6.2/19

+ sign 22.349 $\pm$ 44.068 χ^2 /NDF: 12.9/38

All: -1.817 $\pm$ 29.541 χ^2 /NDF: 25.7/77

- sign -21.538 $\pm$ 39.809 χ^2 /NDF: 12.2/38

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

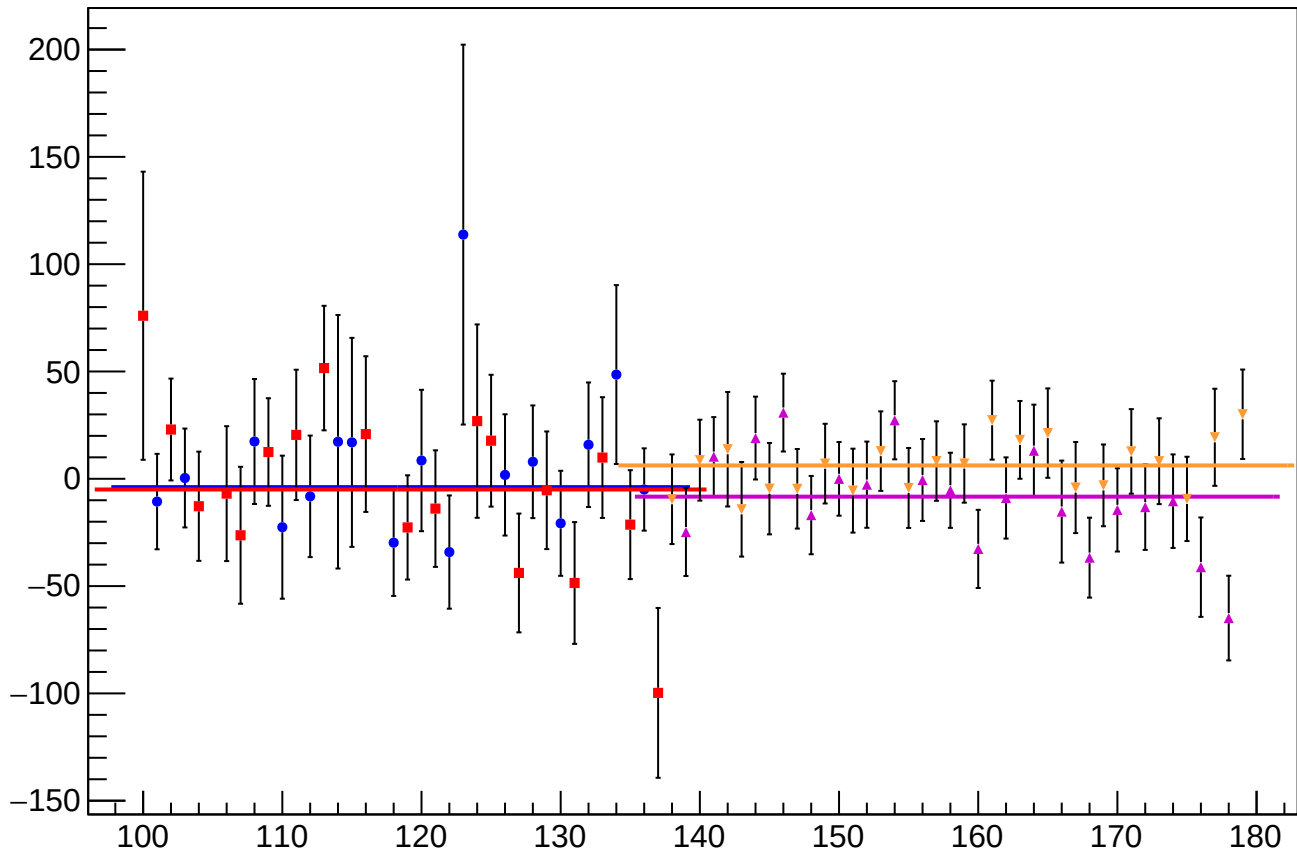
Left In: 181.340 $\pm$ 0.034 χ^2 /NDF:1547840.5/19

+ sign 204.259 $\pm$ 0.031 χ^2 /NDF: 2385052.1/38

All: 190.126 $\pm$ 0.021 χ^2 /NDF: 5923633.0/77

- sign 178.593 $\pm$ 0.028 χ^2 /NDF: 3165027.7/38

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

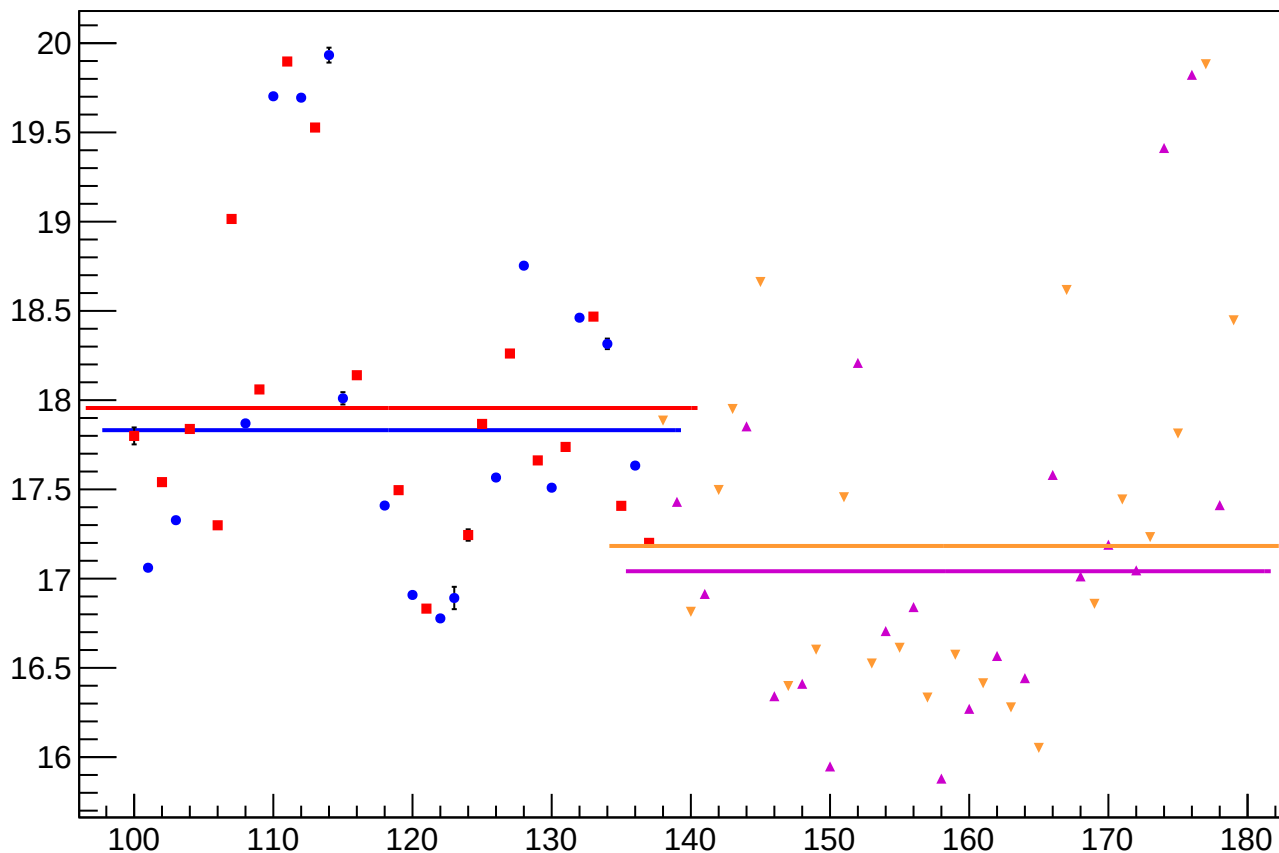
Left In: -8.322 ± 4.331 χ^2/NDF : 28.5/19

+ sign 3.479 ± 3.603 χ^2/NDF : 18.0/38

All: -1.875 ± 2.561 χ^2/NDF : 72.5/77

- sign -7.344 ± 3.642 χ^2/NDF : 50.0/38

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

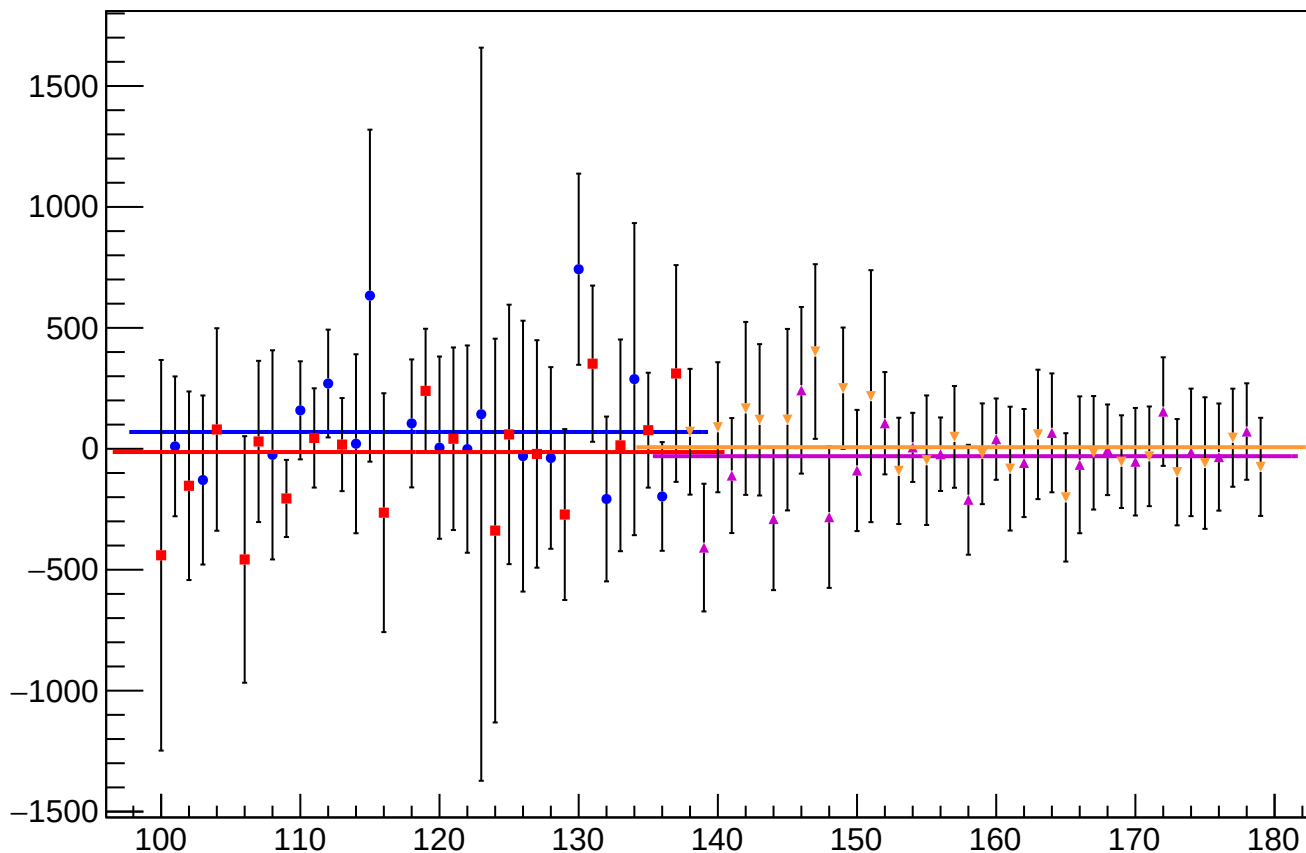
Left In: 17.041 $\pm$ 0.003 χ^2 /NDF: 95097.5/19

+ sign 17.359 $\pm$ 0.003 χ^2 /NDF: 138194.5/38

All: 17.335 $\pm$ 0.002 χ^2 /NDF: 285061.0/77

- sign 17.309 $\pm$ 0.003 χ^2 /NDF: 146678.7/38

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

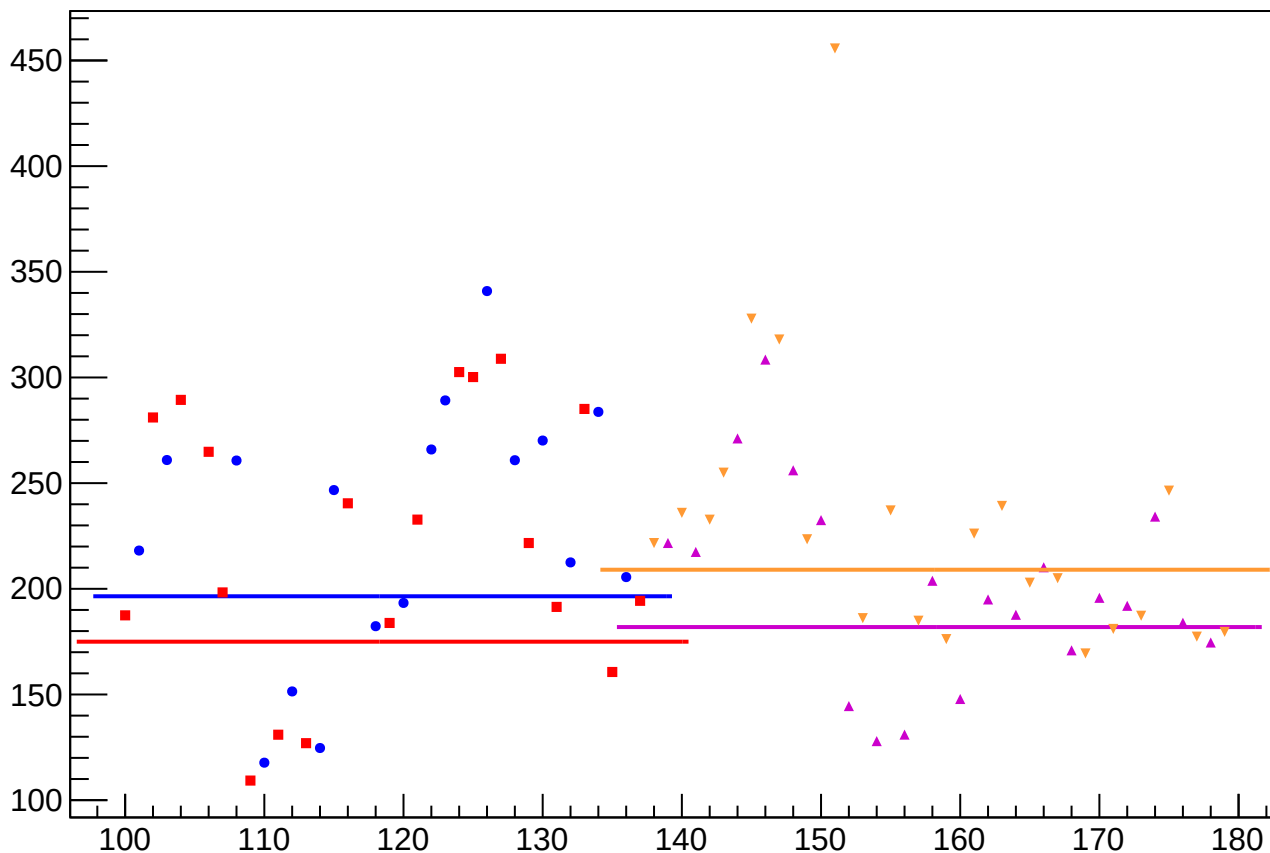
Left In: -30.577 ± 48.420 χ^2/NDF : 6.8/19

+ sign 25.624 ± 44.255 χ^2/NDF : 12.4/38

All: -2.304 ± 29.679 χ^2/NDF : 26.7/77

- sign -25.132 ± 40.010 χ^2/NDF : 13.6/38

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

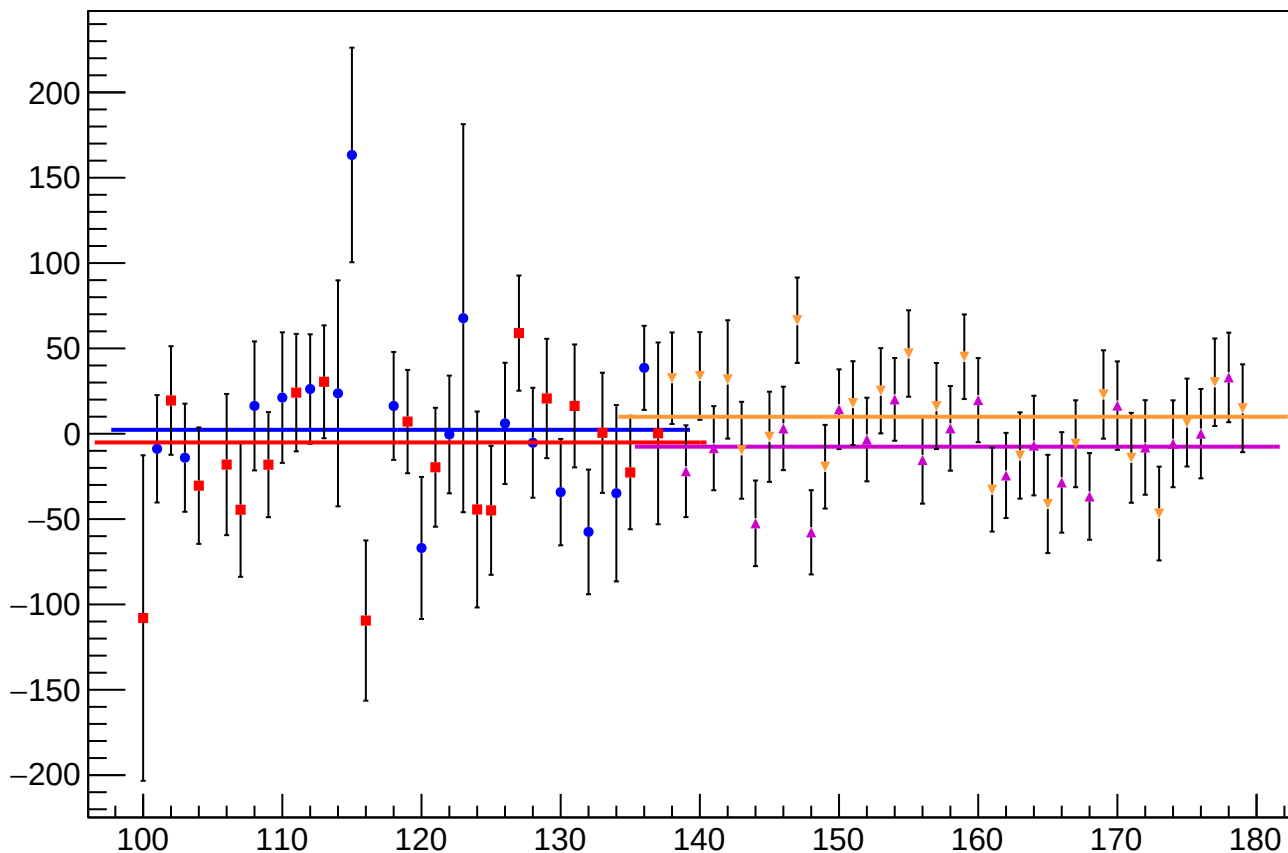
Left In: 181.904 $\pm$ 0.034 χ^2 /NDF:1554996.7/19

+ sign 205.241 $\pm$ 0.031 χ^2 /NDF: 2338866.2/38

All: 191.192 $\pm$ 0.021 χ^2 /NDF: 5784267.2/77

- sign 179.708 $\pm$ 0.028 χ^2 /NDF: 3079066.5/38

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 $\chi^2/\text{NDF}: 17.1/18$

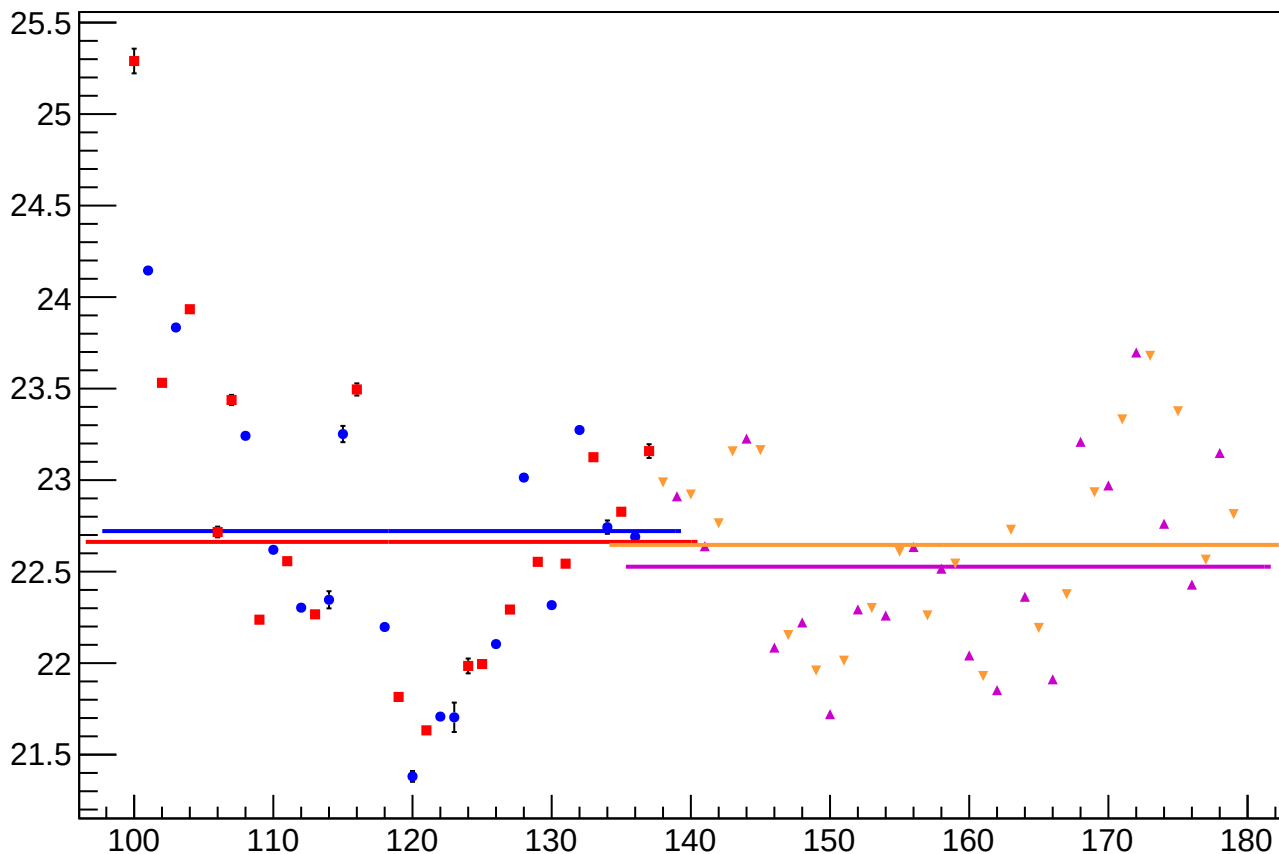
Left In: -7.574 ± 5.710 $\chi^2/\text{NDF}: 17.2/19$

+ sign 7.770 ± 4.695 $\chi^2/\text{NDF}: 45.9/38$

All: 0.549 ± 3.335 $\chi^2/\text{NDF}: 85.0/77$

- sign -6.799 ± 4.736 $\chi^2/\text{NDF}: 34.4/38$

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

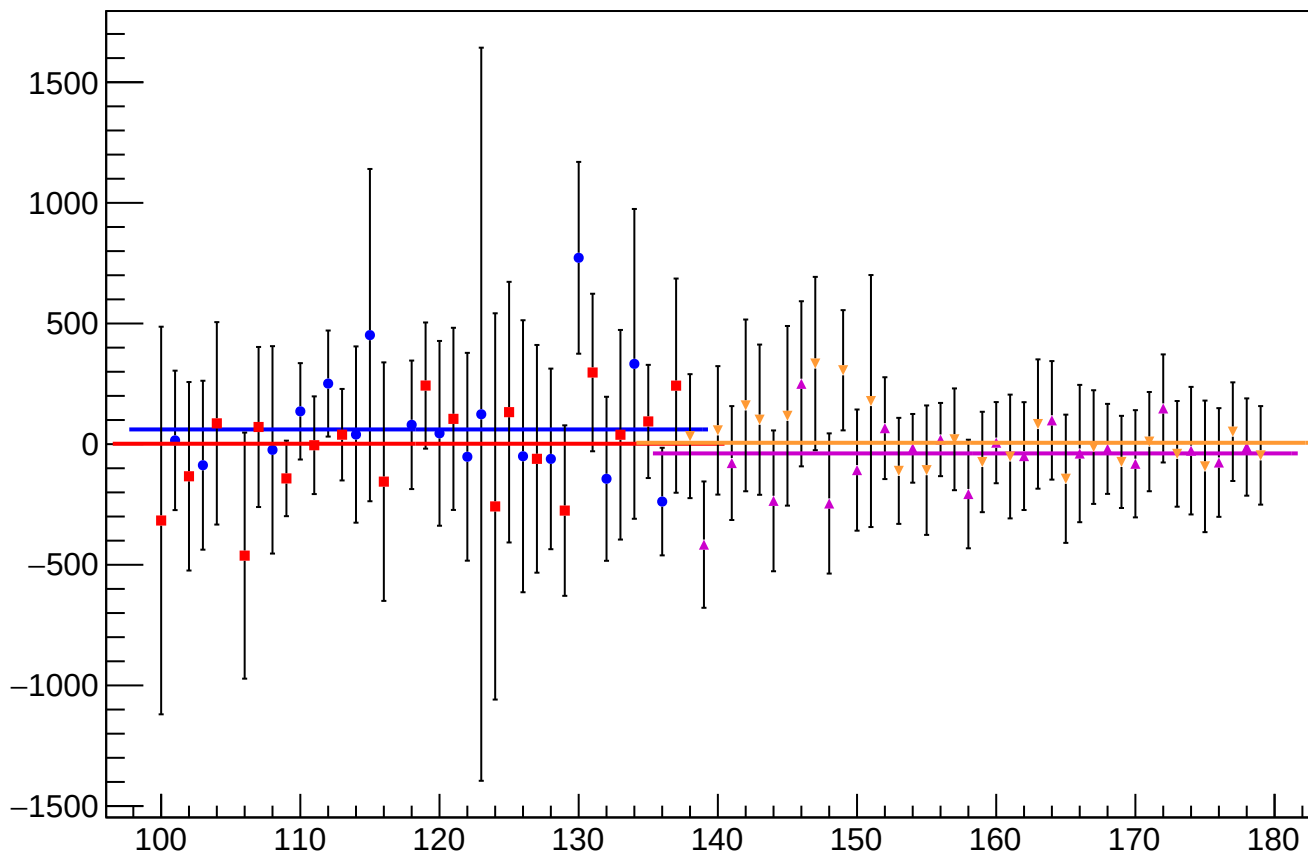
Left In: 22.527 $\pm$ 0.004 χ^2 /NDF: 15898.2/19

+ sign 22.668 $\pm$ 0.003 χ^2 /NDF: 28820.1/38

All: 22.619 $\pm$ 0.002 χ^2 /NDF: 58460.4/77

- sign 22.569 $\pm$ 0.003 χ^2 /NDF: 29205.4/38

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

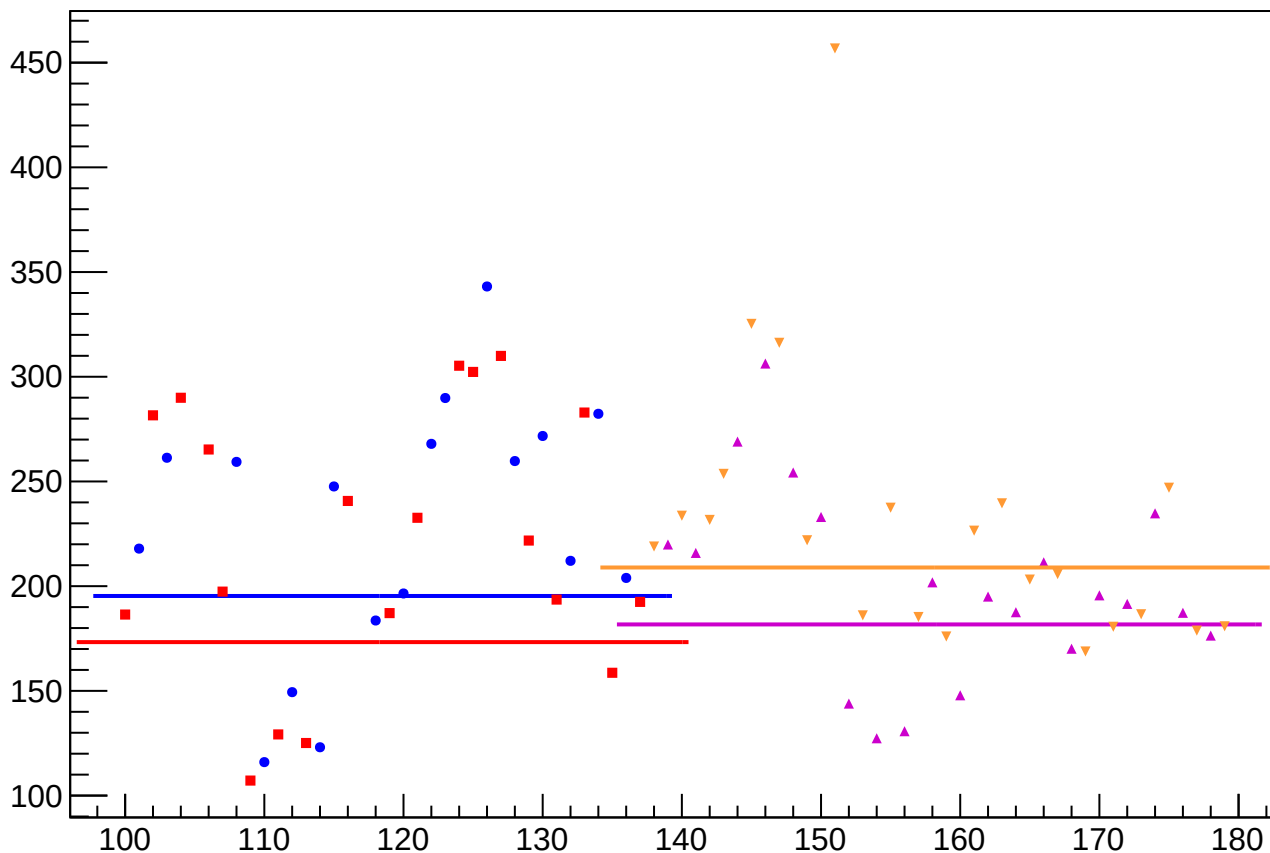
Left In: -38.399 $\pm$ 48.375 χ^2/NDF : 6.0/19

+ sign 22.397 $\pm$ 44.174 χ^2/NDF : 11.9/38

All: -4.033 $\pm$ 29.608 χ^2/NDF : 23.9/77

- sign -25.592 $\pm$ 39.897 χ^2/NDF : 11.4/38

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

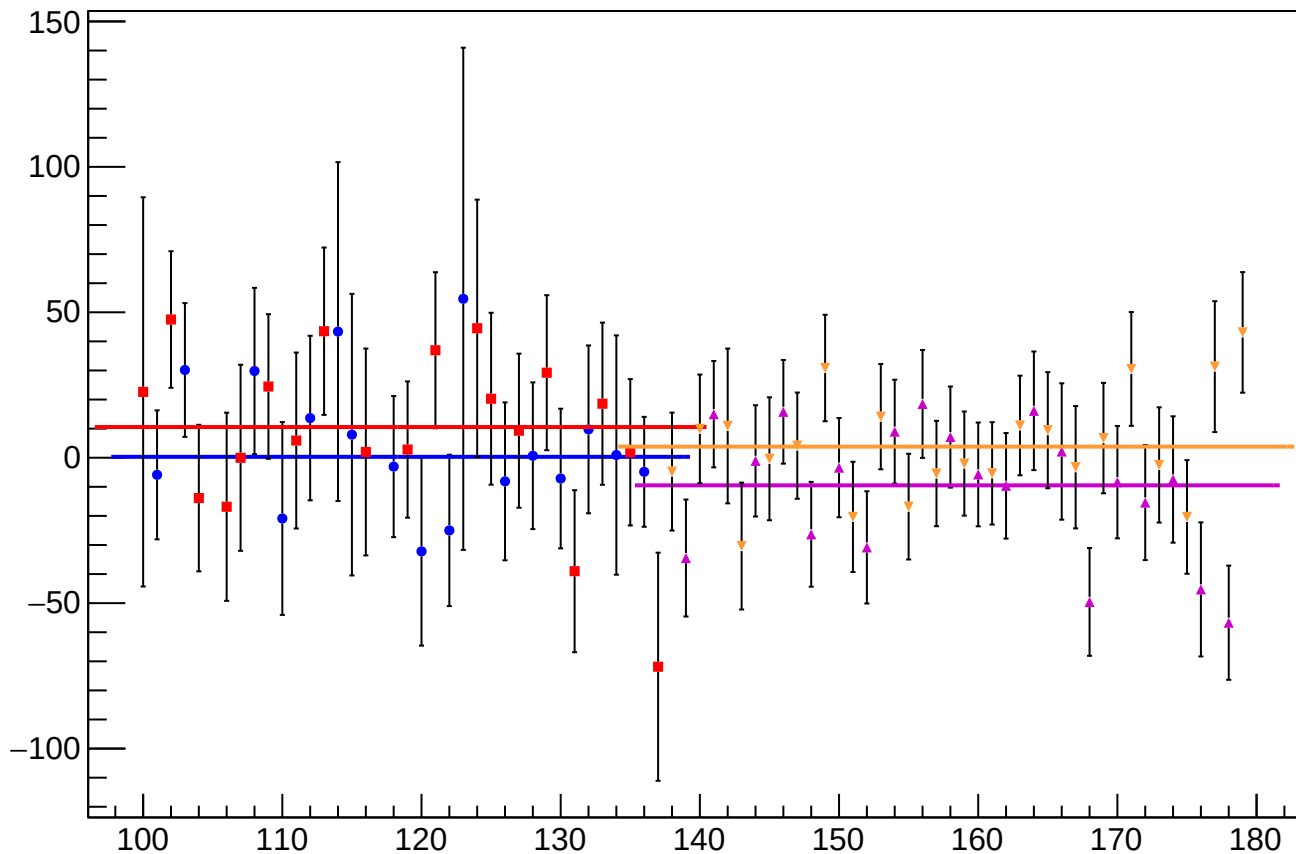
Left In: 181.729 $\pm$ 0.034 χ^2 /NDF:1547710.3/19

+ sign 204.790 $\pm$ 0.031 χ^2 /NDF: 2367463.8/38

All: 190.602 $\pm$ 0.021 χ^2 /NDF: 5887675.6/77

- sign 179.028 $\pm$ 0.028 χ^2 /NDF: 3145579.7/38

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

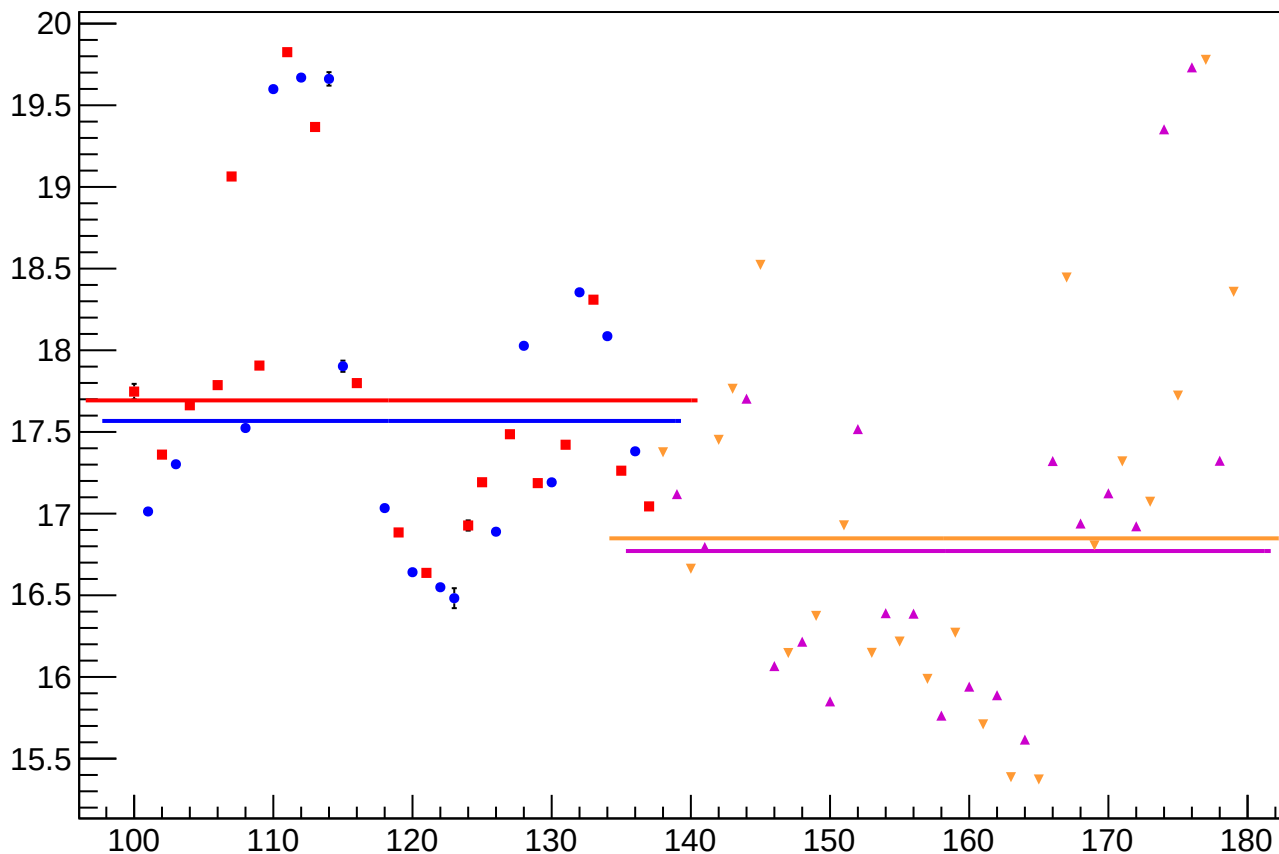
Left In: -9.499 ± 4.262 χ^2/NDF : 26.9/19

+ sign 2.871 ± 3.538 χ^2/NDF : 24.9/38

All: -0.338 ± 2.518 χ^2/NDF : 75.9/77

- sign -3.633 ± 3.585 χ^2/NDF : 49.4/38

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.849 $\pm$ 0.003 χ^2 /NDF:130391.2/21

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

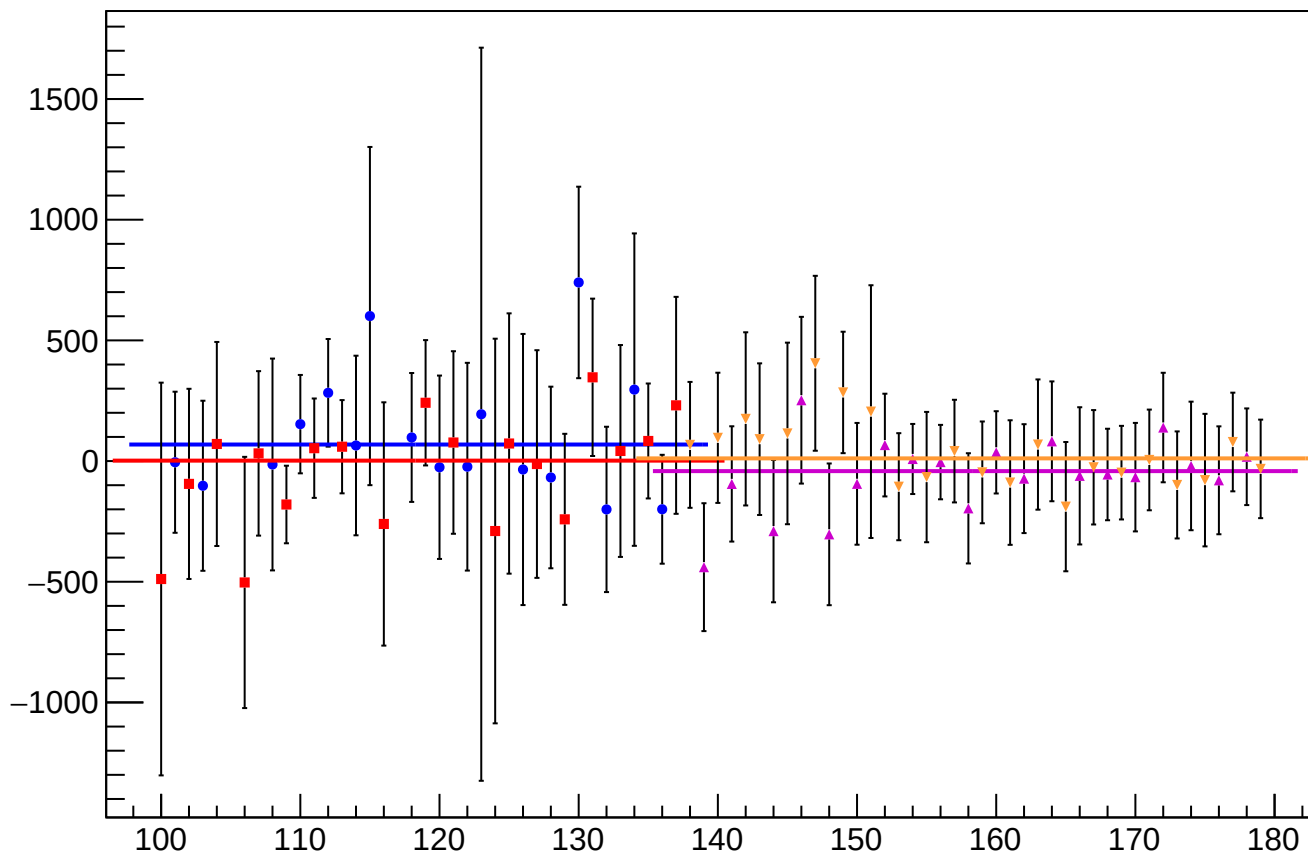
Left In: 16.771 $\pm$ 0.003 χ^2 /NDF:108060.6/19

+ sign 17.043 $\pm$ 0.003 χ^2 /NDF: 179791.7/38

All: 17.042 $\pm$ 0.002 χ^2 /NDF: 346012.2/77

- sign 17.041 $\pm$ 0.003 χ^2 /NDF: 166220.2/38

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 11.150+/-53.392 χ^2/NDF : 4.8/21

Right Out: 1.831+/-71.538 χ^2/NDF : 6.1/18

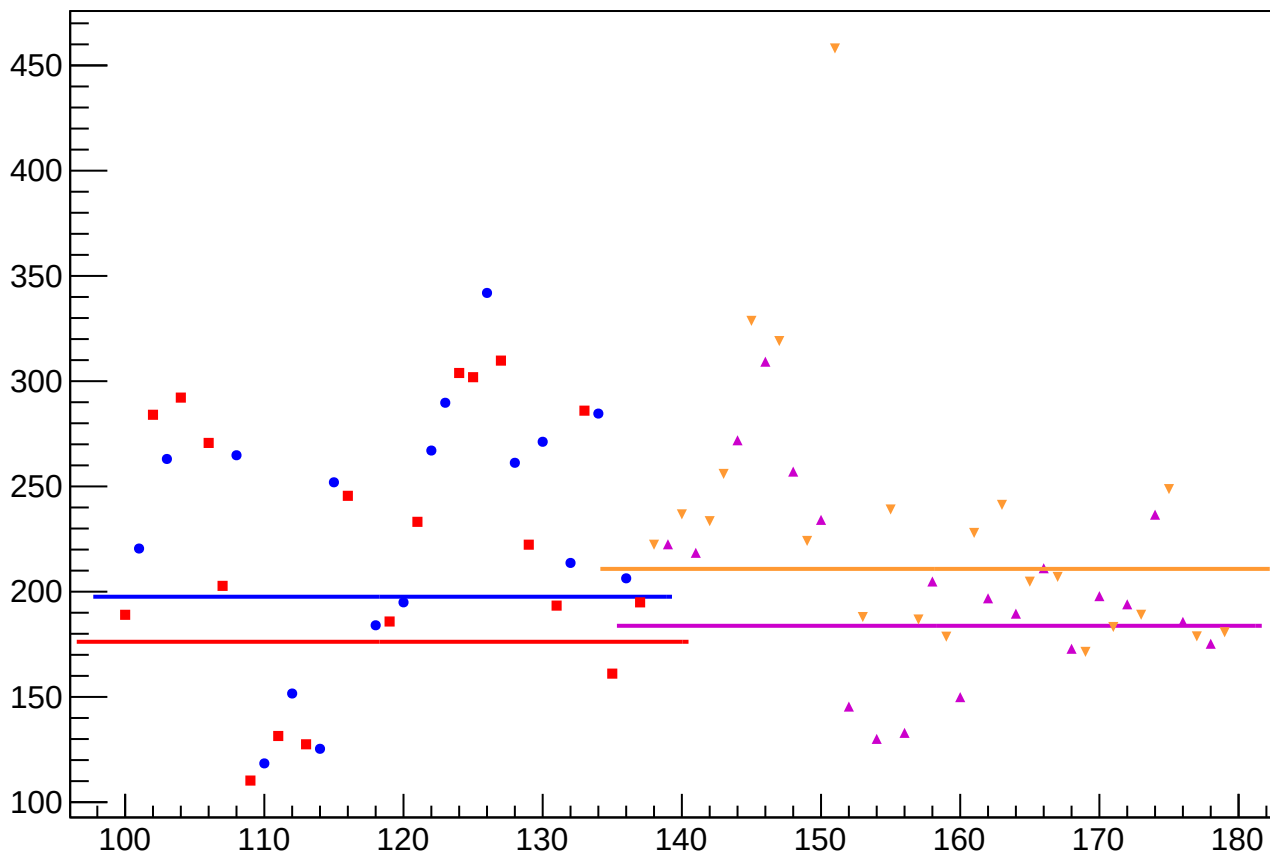
Left In: -41.653+/-48.881 χ^2/NDF : 6.7/19

+ sign 28.532+/-44.582 χ^2/NDF : 12.5/38

All: -2.435+/-29.920 χ^2/NDF : 26.5/77

- sign -27.813+/-40.359 χ^2/NDF : 13.1/38

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

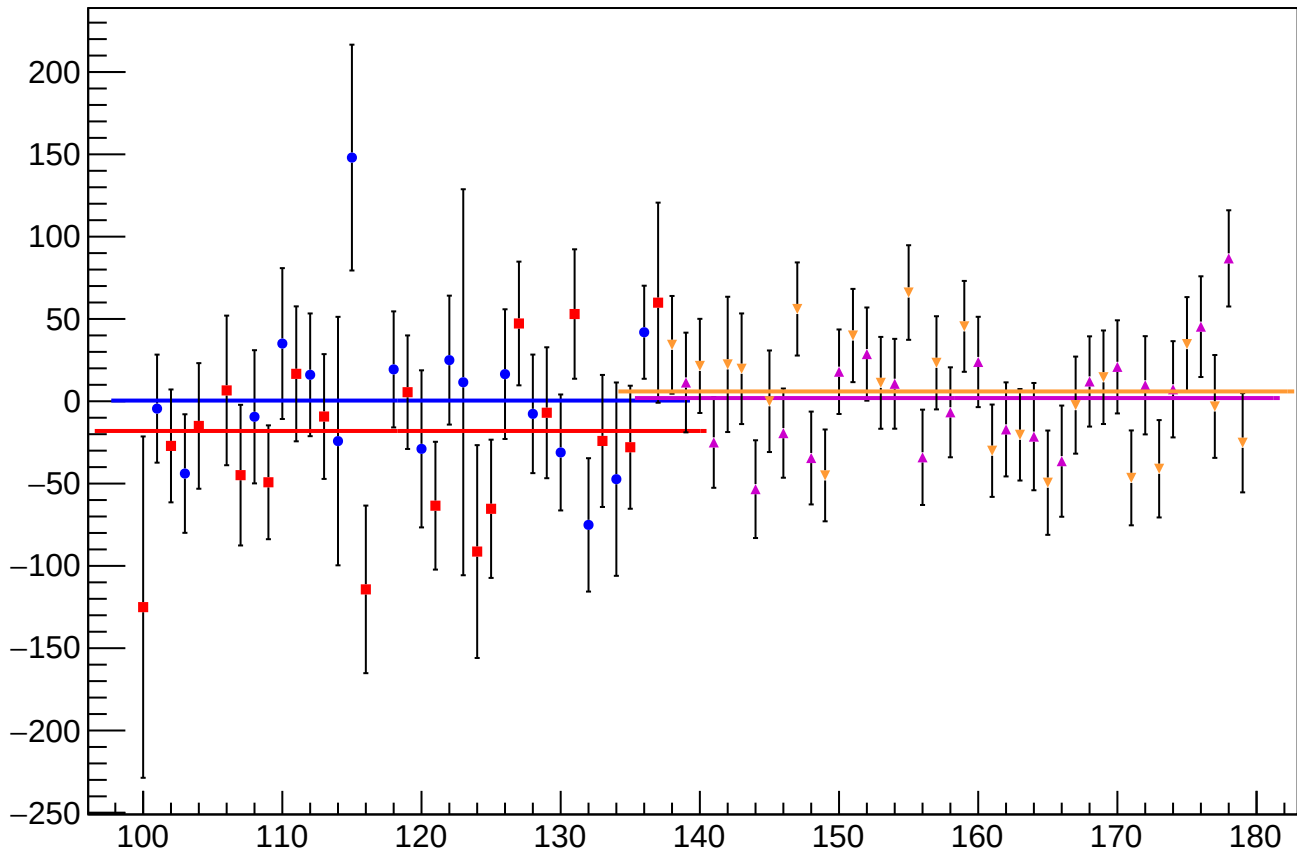
Left In: 183.794 $\pm$ 0.035 χ^2 /NDF:1511071.6/19

+ sign 206.823 $\pm$ 0.032 χ^2 /NDF: 2322739.5/38

All: 192.838 $\pm$ 0.021 χ^2 /NDF: 5727079.8/77

- sign 181.378 $\pm$ 0.029 χ^2 /NDF: 3046264.4/38

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

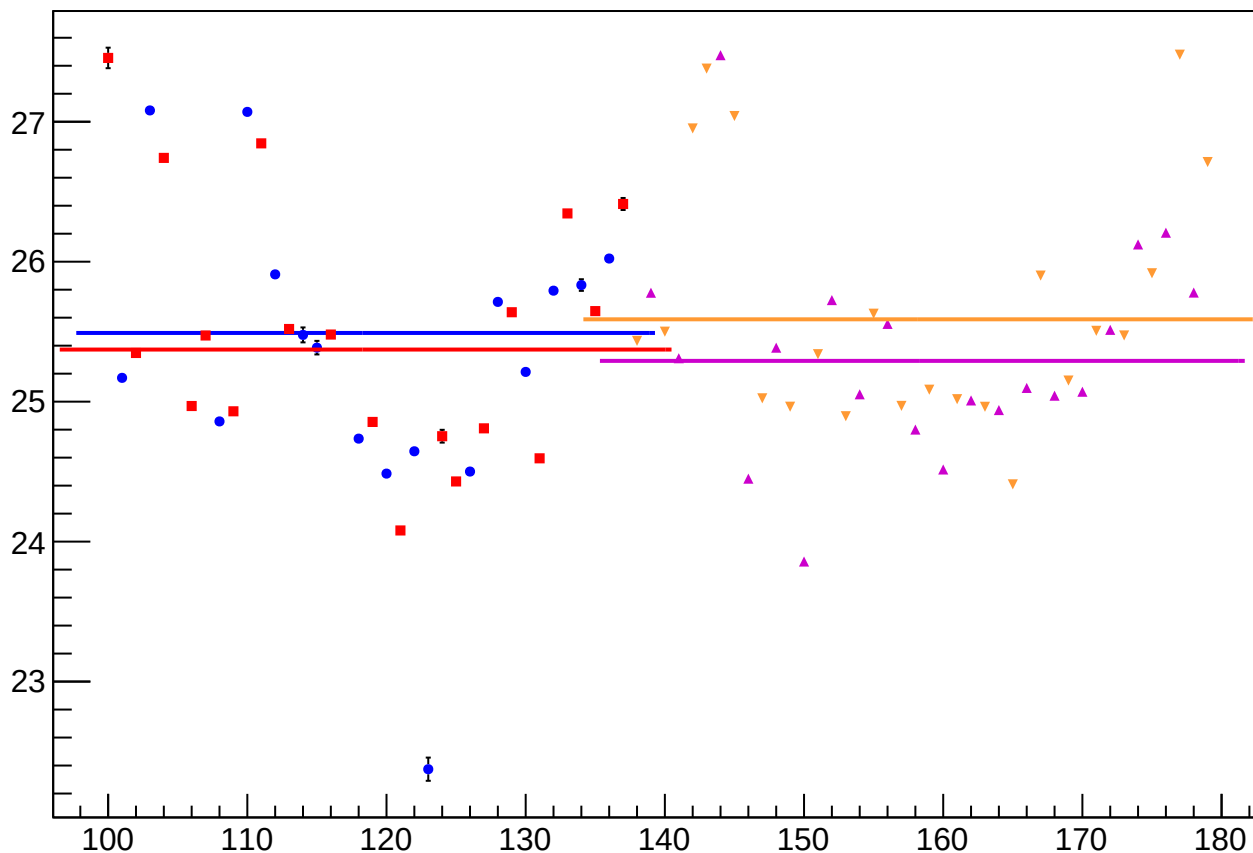
Left In: 1.944 ± 6.417 χ^2/NDF : 23.8/19

+ sign 4.378 ± 5.299 χ^2/NDF : 45.8/38

All: 0.044 ± 3.753 χ^2/NDF : 93.5/77

- sign -4.319 ± 5.317 χ^2/NDF : 46.4/38

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

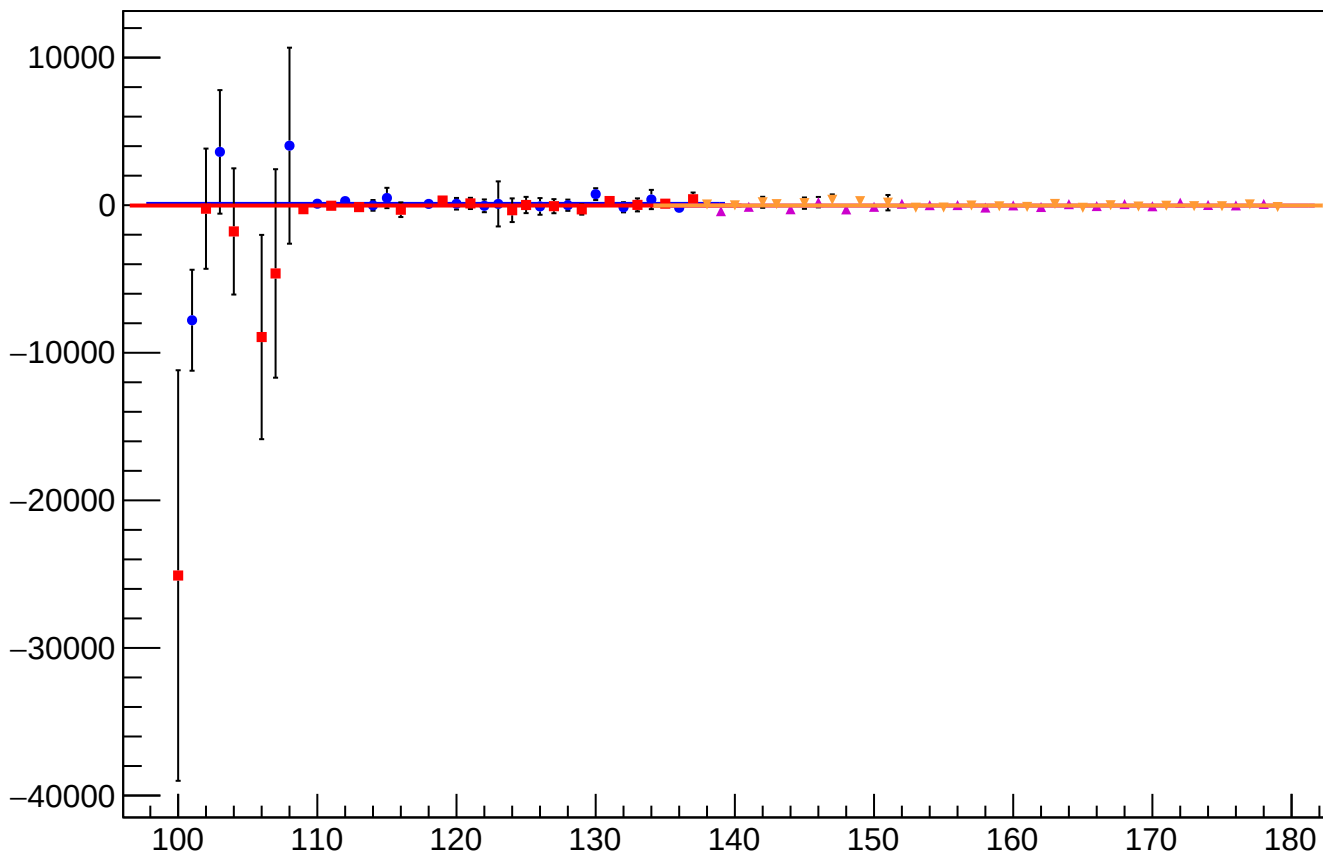
Left In: 25.291+/-0.005 χ^2/NDF : 27423.6/19

+ sign 25.560+/-0.004 χ^2/NDF : 46782.6/38

All: 25.439+/-0.003 χ^2/NDF : 89962.7/77

- sign 25.317+/-0.004 χ^2/NDF : 41073.7/38

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

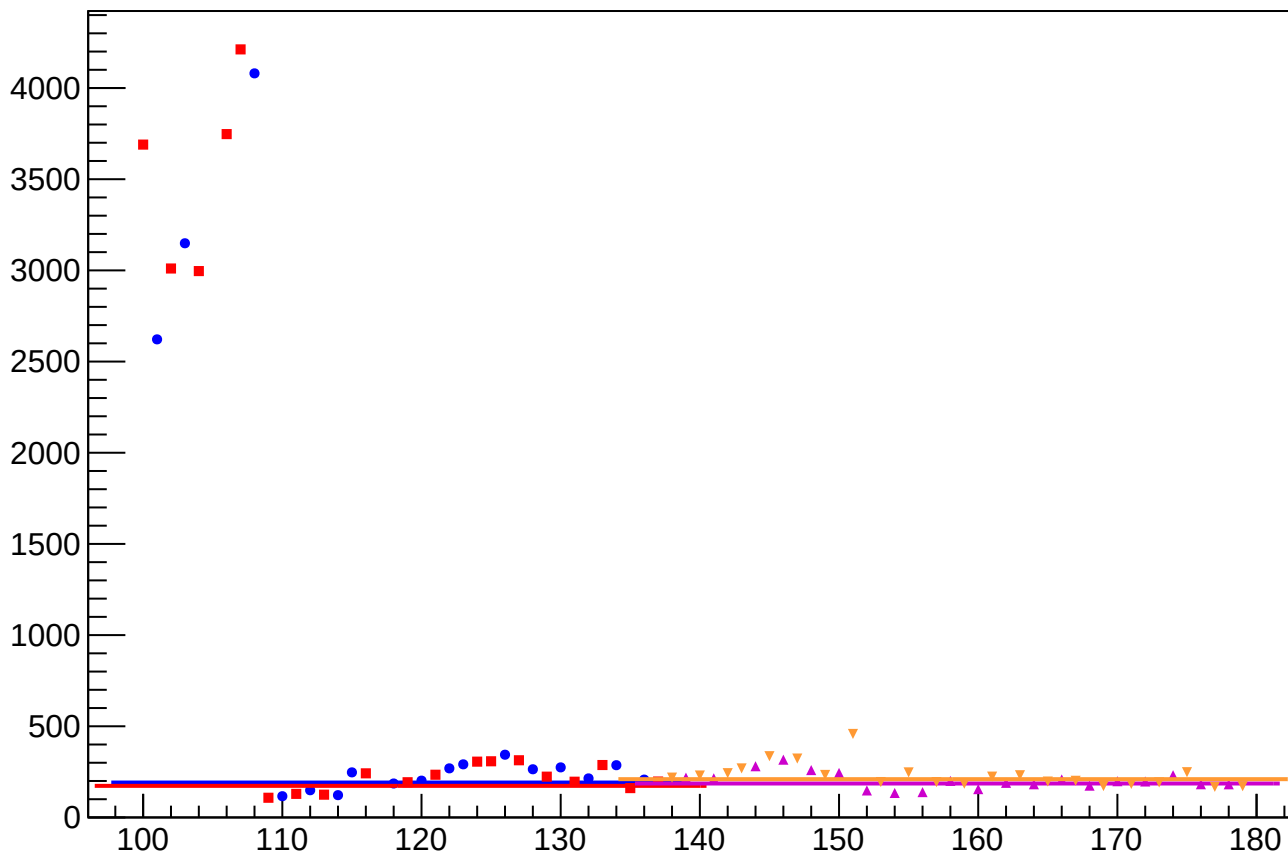
Left In: -27.358+/-49.392 χ^2/NDF : 6.7/19

+ sign 7.279+/-45.606 χ^2/NDF : 18.8/38

All: -10.810+/-30.959 χ^2/NDF : 37.7/77

- sign -26.271+/-42.163 χ^2/NDF : 18.6/38

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

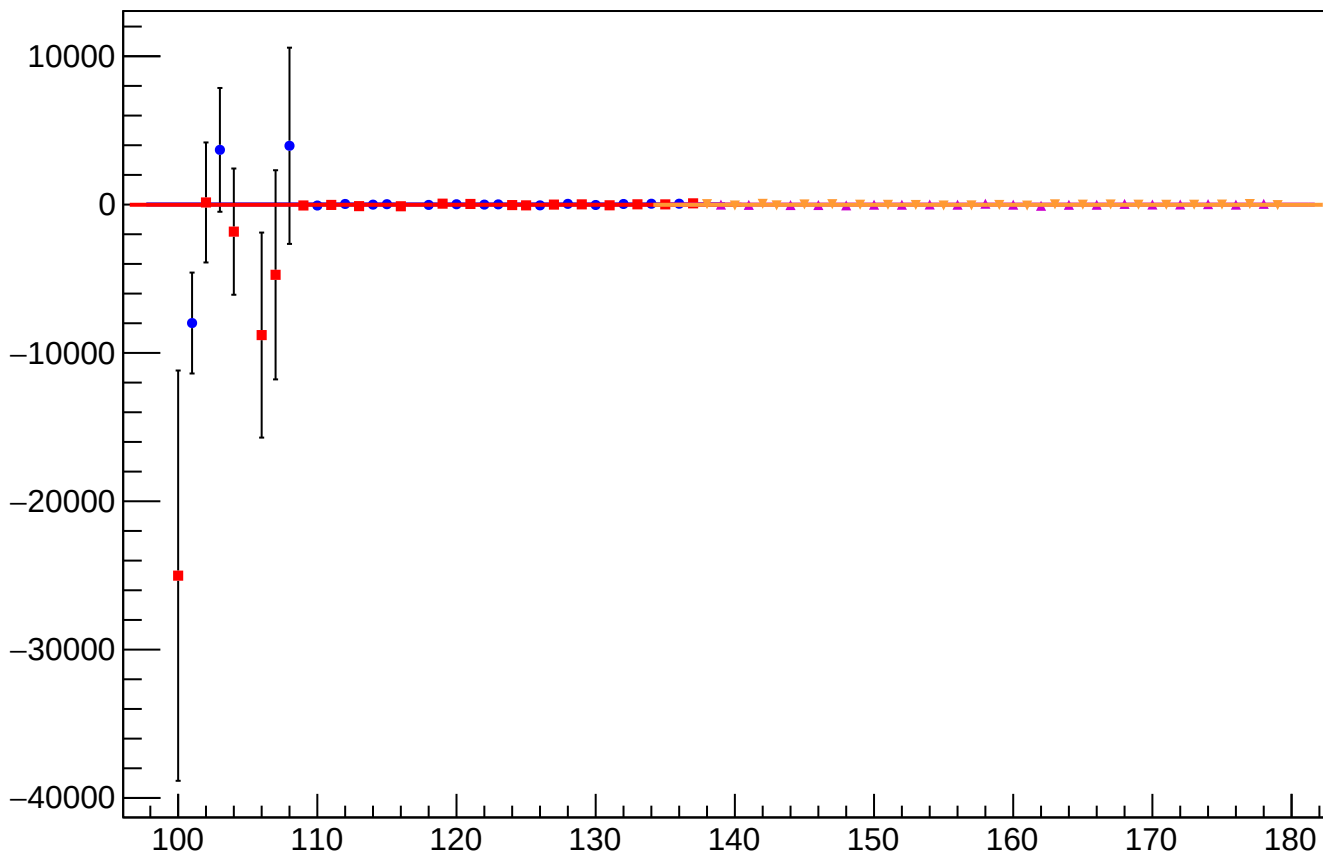
Left In: 186.196+/-0.035 χ^2/NDF : 1383492.6/19

+ sign 205.045+/-0.032 χ^2/NDF : 5048232.0/38

All: 192.995+/-0.022 χ^2/NDF : 10935094.5/77

- sign 182.696+/-0.030 χ^2/NDF : 5627918.4/38

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

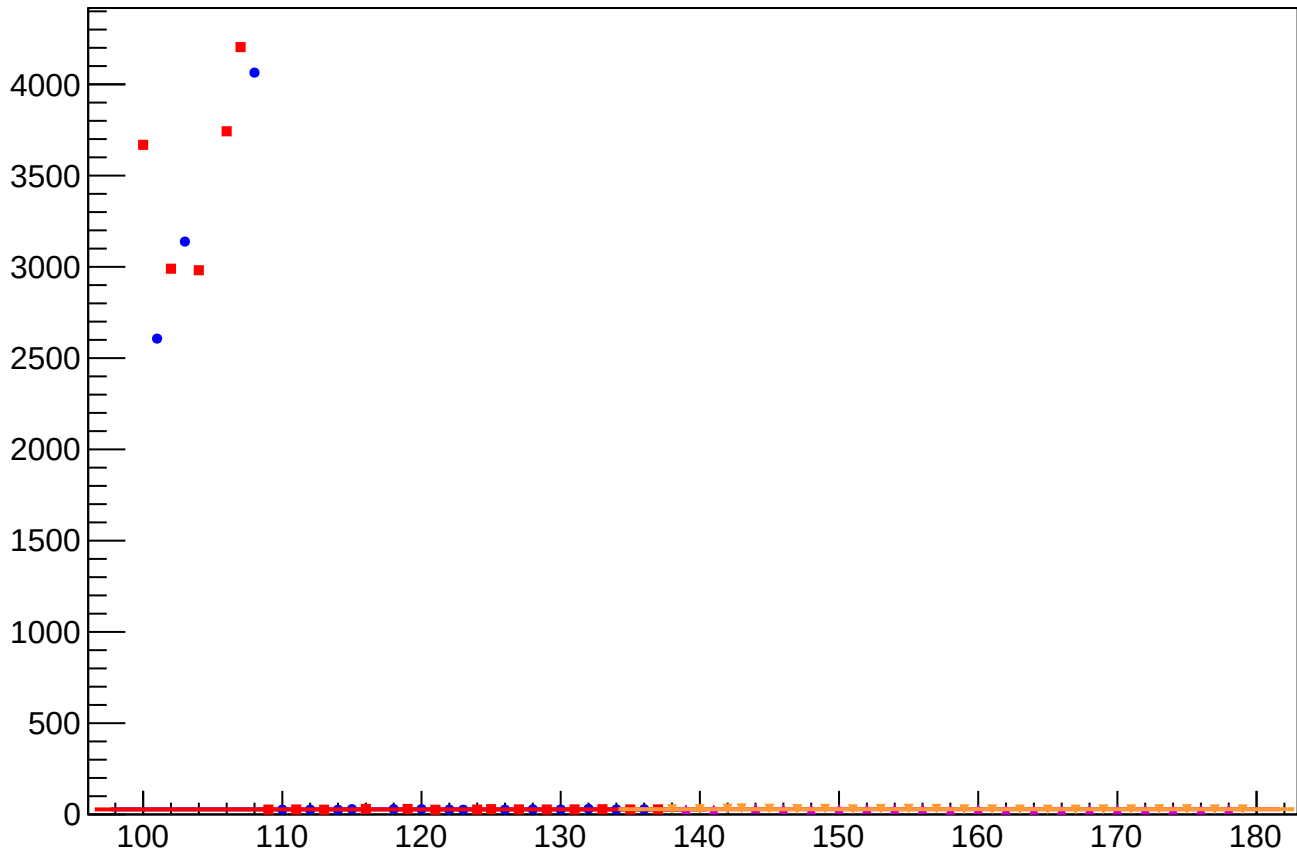
Left In: -1.884+/-7.311 χ^2/NDF : 21.6/19

+ sign -8.242+/-6.123 χ^2/NDF : 41.3/38

All: -6.526+/-4.382 χ^2/NDF : 88.4/77

- sign -4.722+/-6.276 χ^2/NDF : 46.9/38

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 28.744+/-0.005 χ^2/NDF : 101820.0/21

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

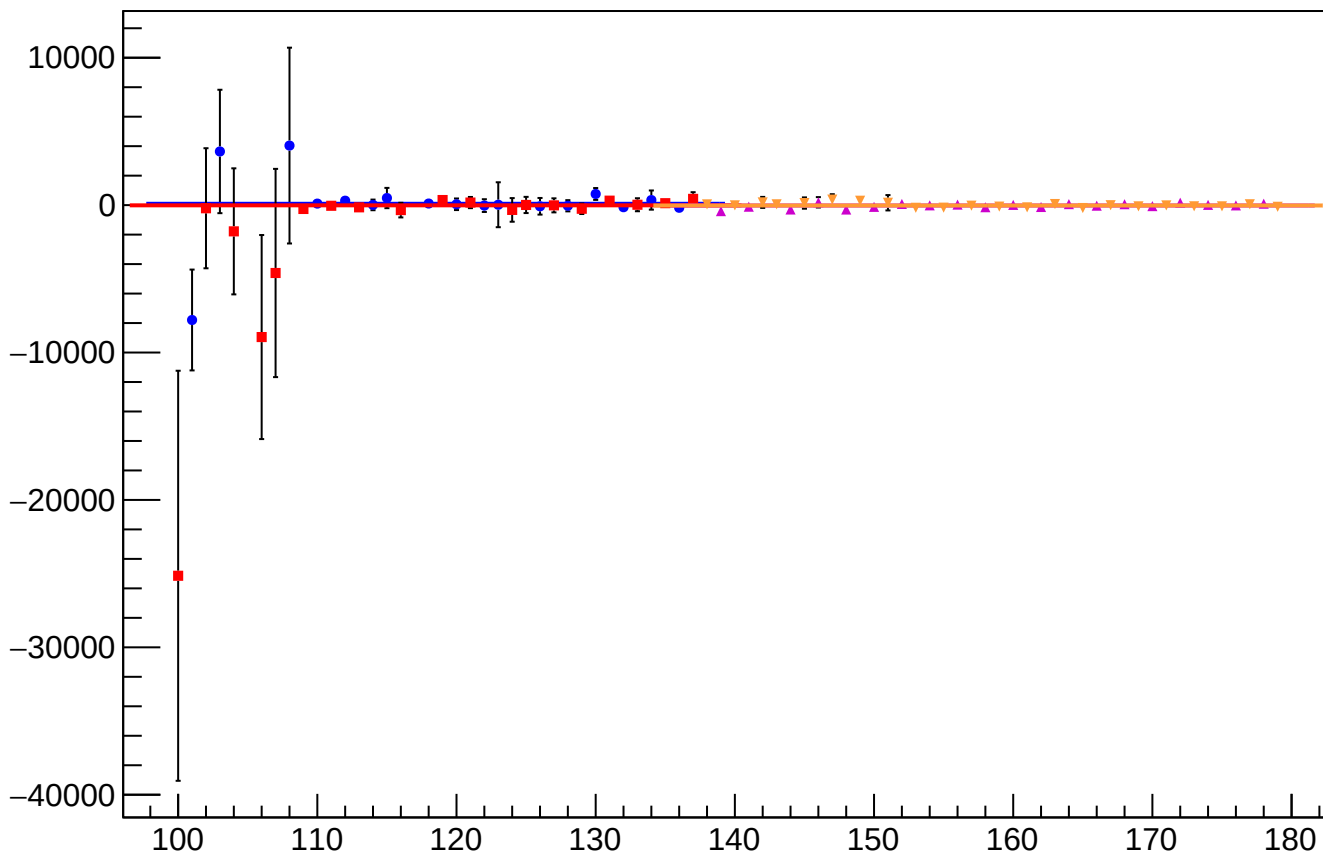
Left In: 28.740+/-0.005 χ^2/NDF : 121077.2/19

+ sign 28.523+/-0.004 χ^2/NDF : 3137358.2/38

All: 28.495+/-0.003 χ^2/NDF : 6746140.3/77

- sign 28.465+/-0.004 χ^2/NDF : 3608695.9/38

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

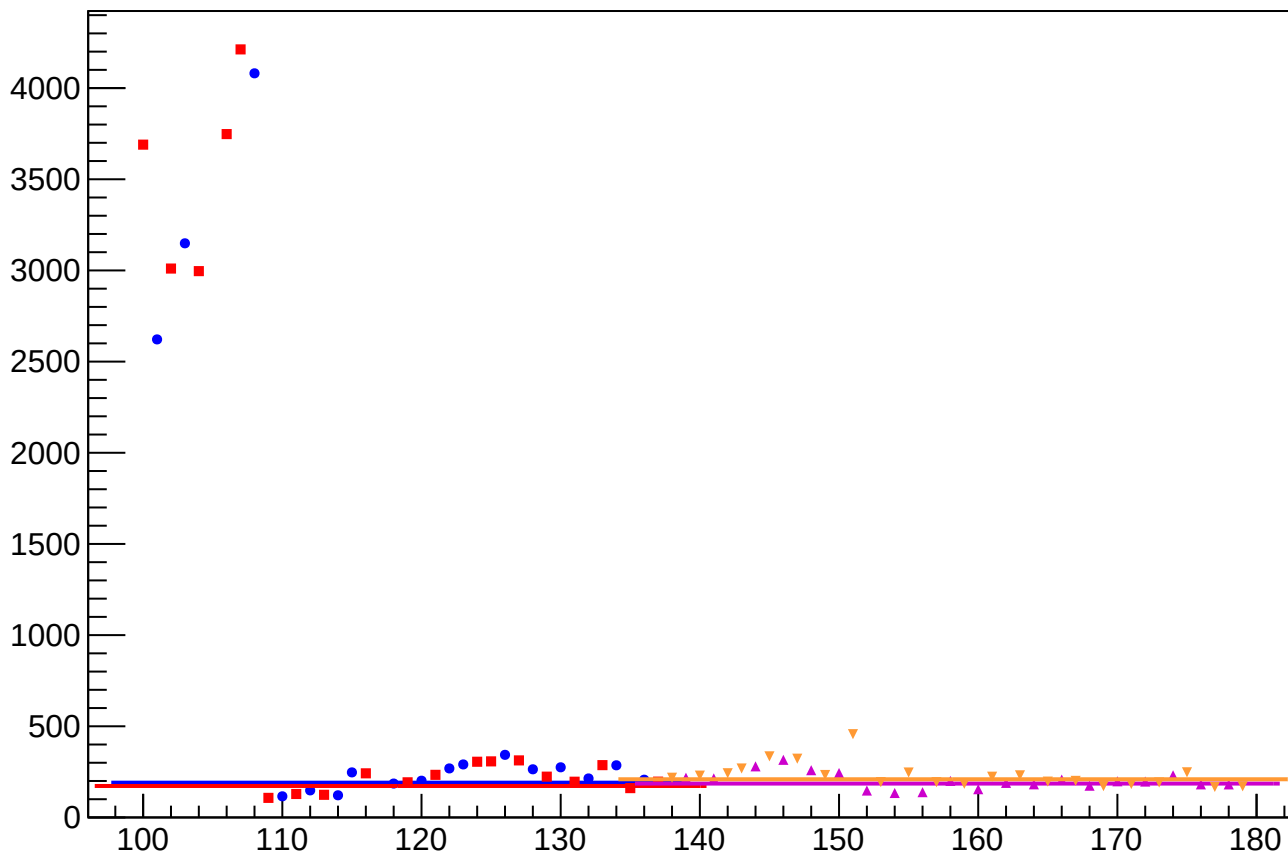
Left In: -25.831+/-49.289 χ^2/NDF : 6.8/19

+ sign 6.627+/-45.489 χ^2/NDF : 19.8/38

All: -9.041+/-30.883 χ^2/NDF : 39.6/77

- sign -22.437+/-42.062 χ^2/NDF : 19.5/38

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770 $\pm$ 0.062 χ^2 /NDF: 3585034.0/16

Left Out: 209.462 $\pm$ 0.038 χ^2 /NDF: 1412948.0/21

Right Out: 172.629 $\pm$ 0.057 χ^2 /NDF: 4218625.1/18

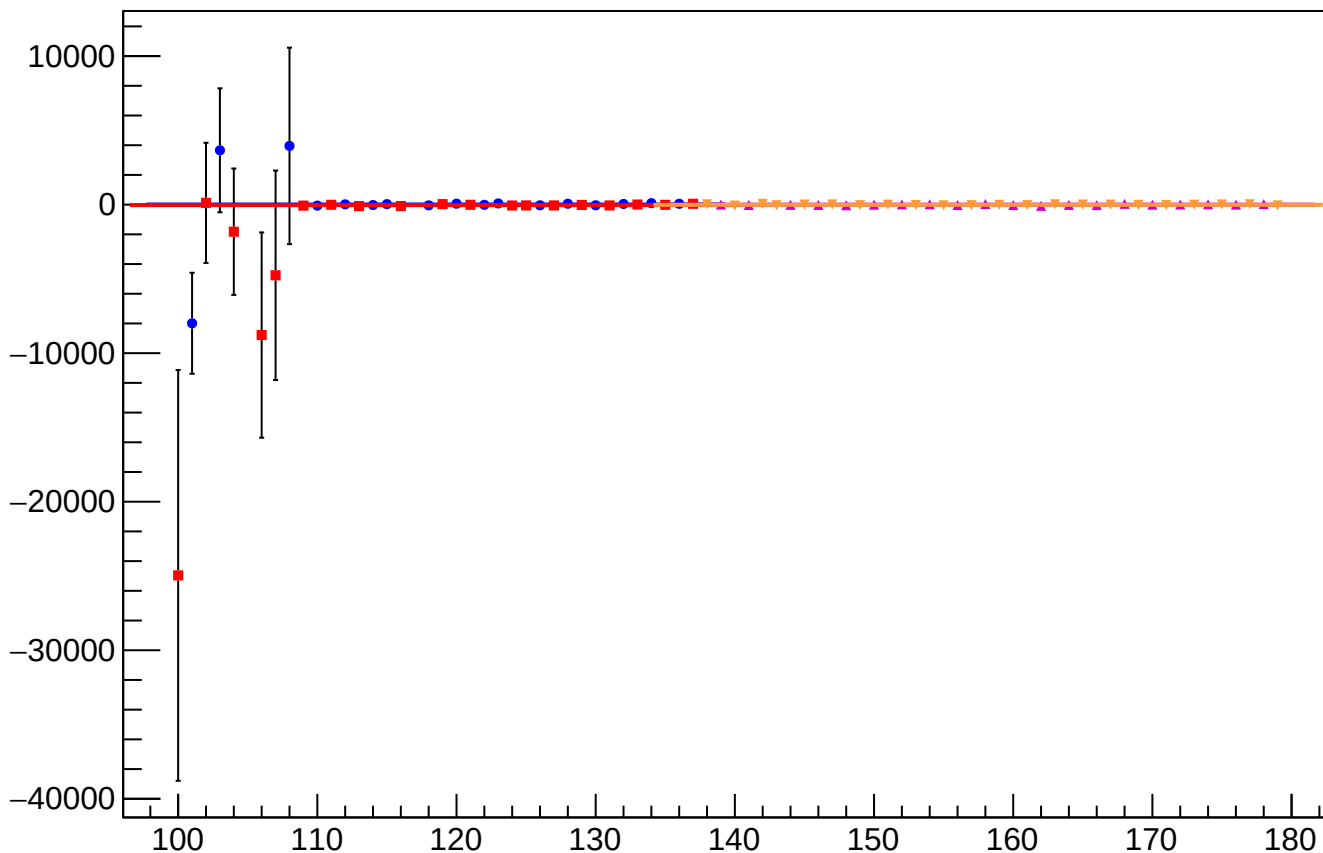
Left In: 185.809 $\pm$ 0.035 χ^2 /NDF: 1383370.9/19

+ sign 204.484 $\pm$ 0.032 χ^2 /NDF: 5063969.8/38

All: 192.486 $\pm$ 0.022 χ^2 /NDF: 10962937.0/77

- sign 182.227 $\pm$ 0.030 χ^2 /NDF: 5640855.9/38

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

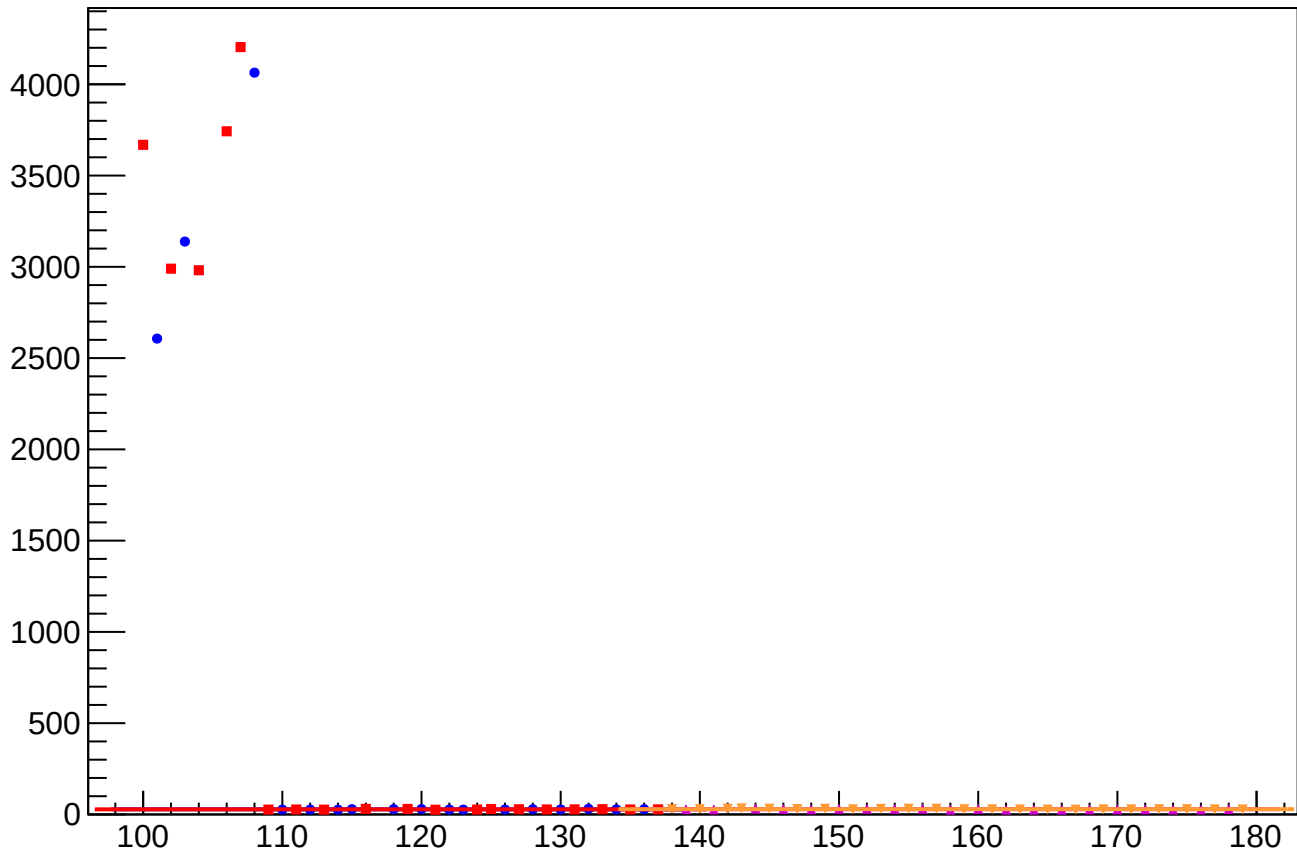
Left In: -1.316 $\pm$ 7.346 χ^2 /NDF: 20.3/19

+ sign -6.937 $\pm$ 6.157 χ^2 /NDF: 40.6/38

All: -7.781 $\pm$ 4.407 χ^2 /NDF: 81.6/77

- sign -8.669 $\pm$ 6.311 χ^2 /NDF: 40.9/38

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 28.885 $\pm$ 0.005 χ^2 /NDF: 111567.5/21

Right Out: 27.918 $\pm$ 0.009 χ^2 /NDF: 3479690.8/18

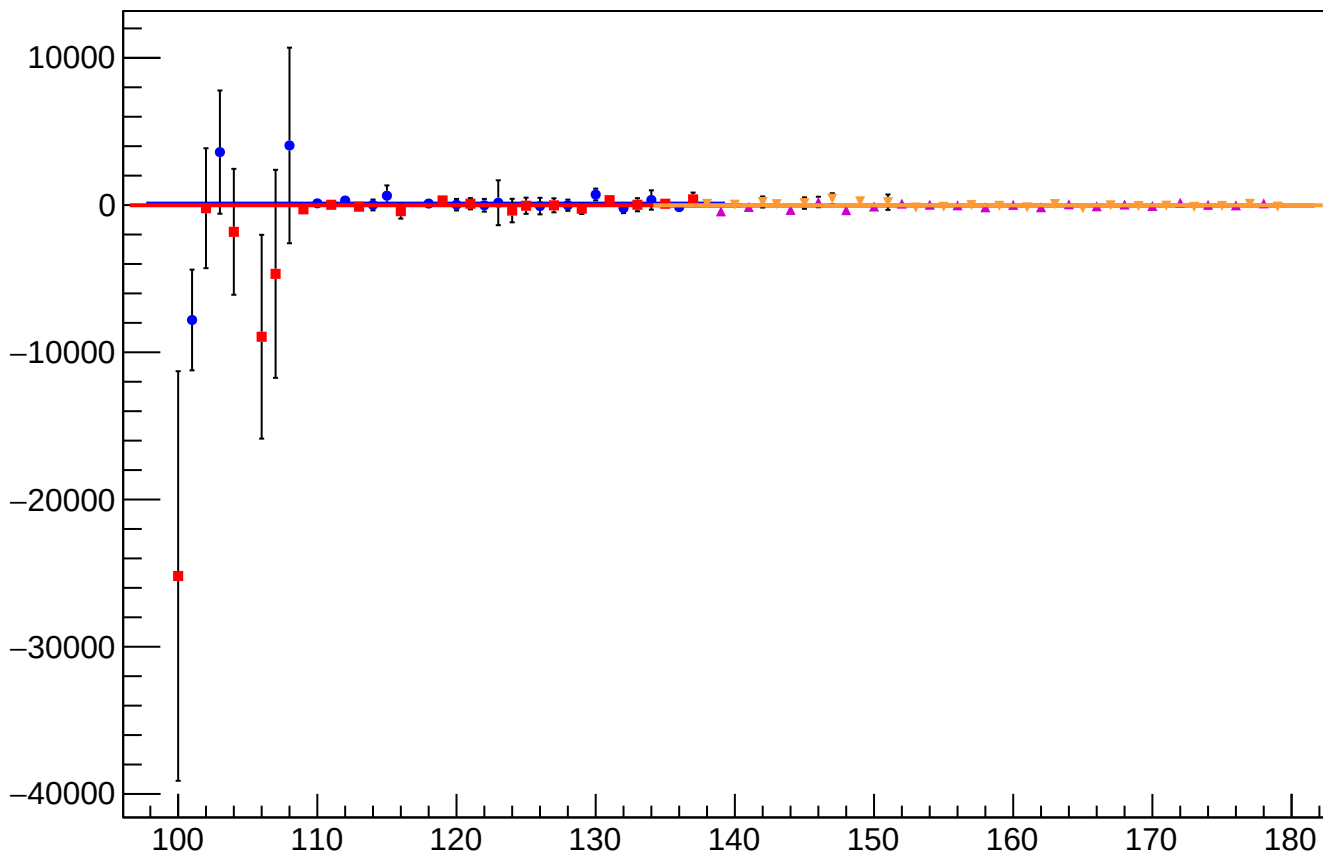
Left In: 28.877 $\pm$ 0.005 χ^2 /NDF: 124722.0/19

+ sign 28.677 $\pm$ 0.004 χ^2 /NDF: 3146429.1/38

All: 28.652 $\pm$ 0.003 χ^2 /NDF: 6759842.0/77

- sign 28.626 $\pm$ 0.004 χ^2 /NDF: 3613346.8/38

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

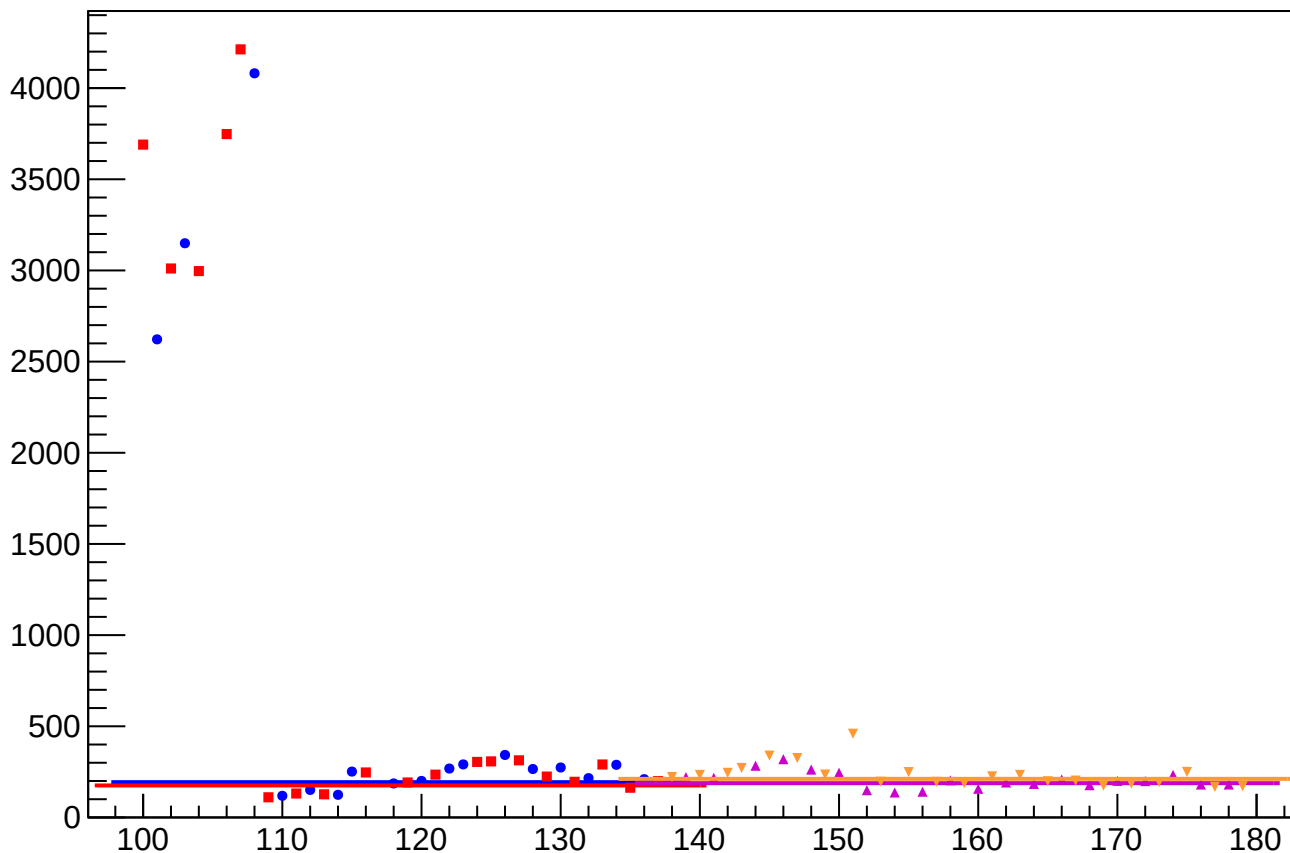
Left In: -30.746 $\pm$ 49.873 χ^2 /NDF: 7.6/19

+ sign 14.359 $\pm$ 45.987 χ^2 /NDF: 19.6/38

All: -7.151 $\pm$ 31.243 χ^2 /NDF: 39.9/77

- sign -25.590 $\pm$ 42.579 χ^2 /NDF: 19.9/38

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

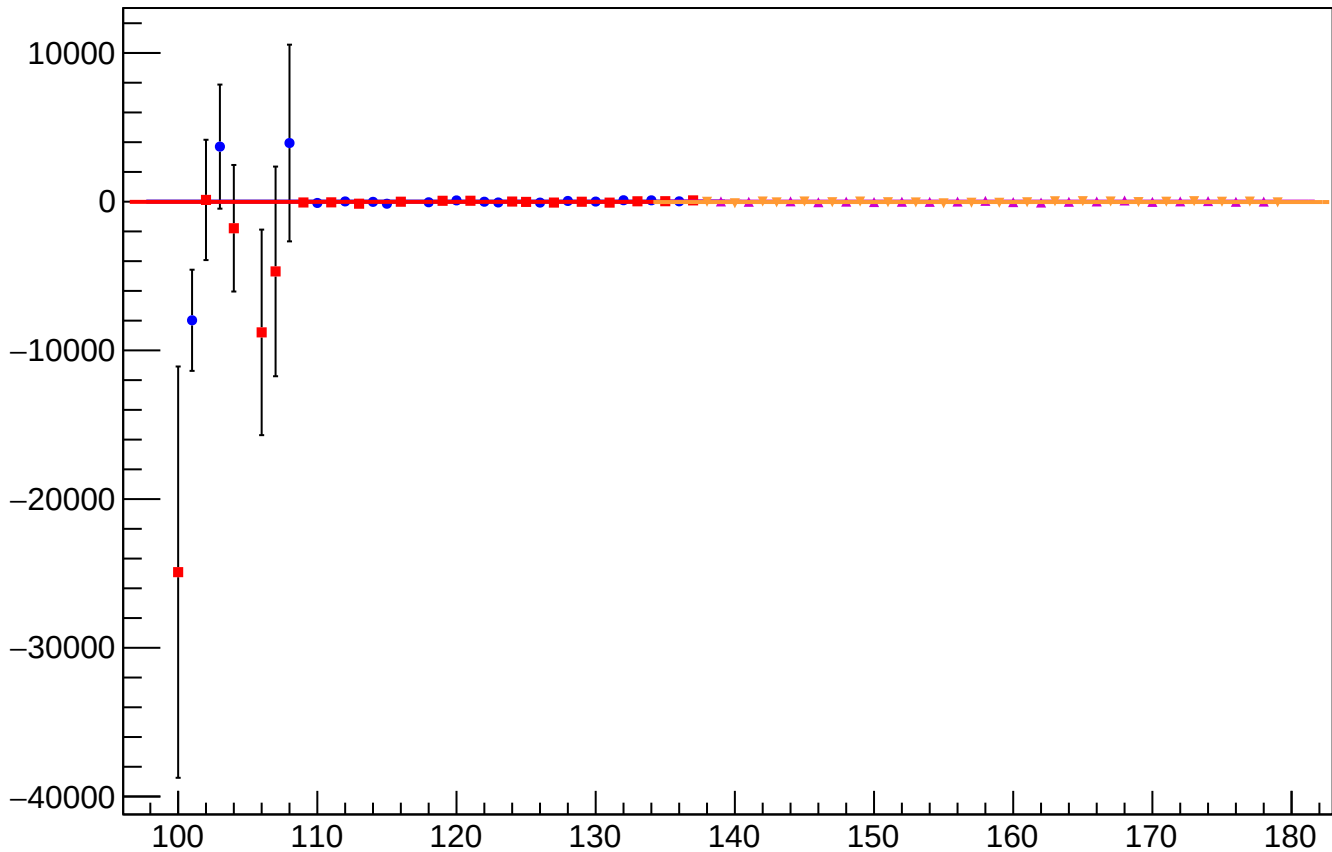
Left In: 188.152+/-0.035 χ^2/NDF : 1354753.6/19

+ sign 206.882+/-0.033 χ^2/NDF : 5012279.9/38

All: 194.952+/-0.022 χ^2/NDF : 10817458.5/77

- sign 184.724+/-0.030 χ^2/NDF : 5555174.5/38

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

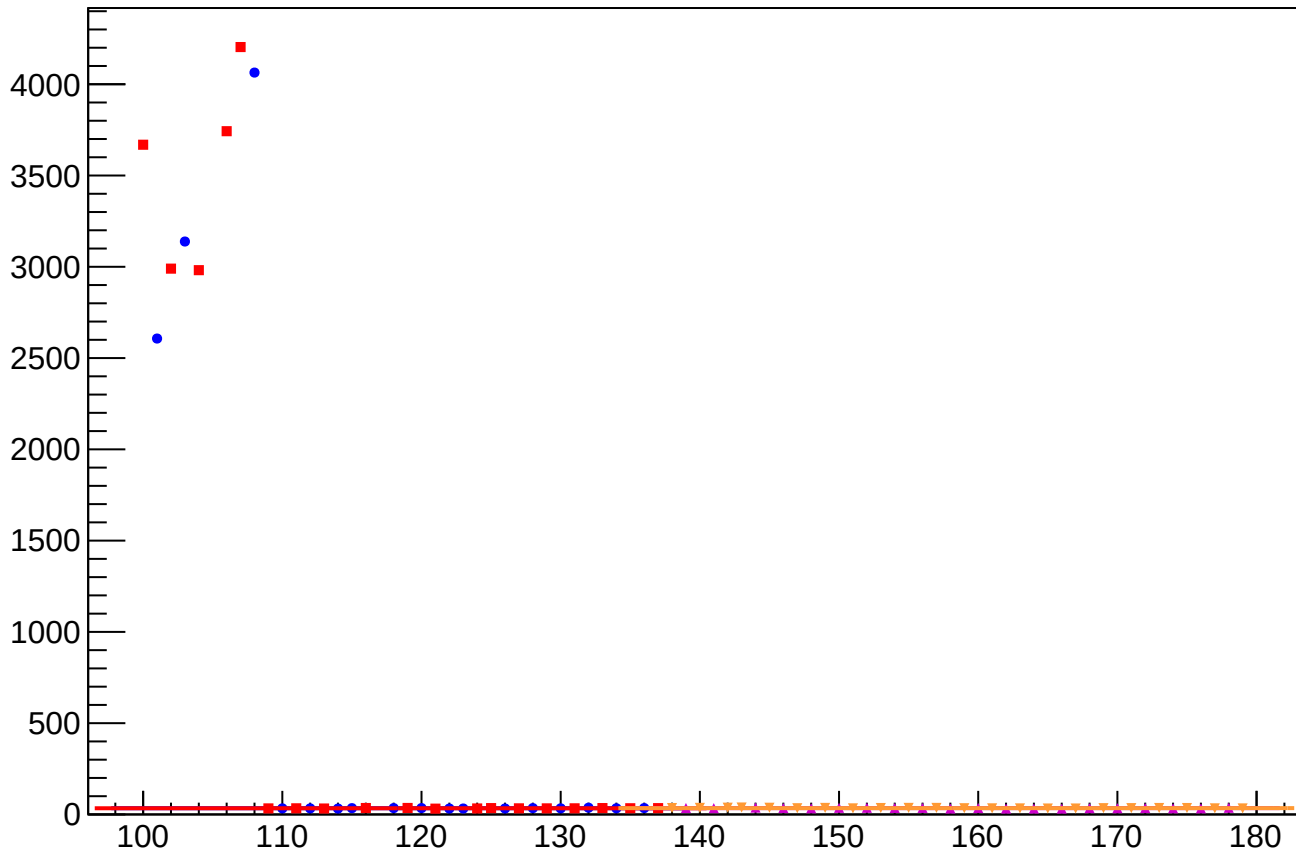
Left In: 5.163 $\pm$ 8.807 χ^2 /NDF:13.0/19

+ sign -17.503 $\pm$ 7.397 χ^2 /NDF: 46.9/38

All: -8.634 $\pm$ 5.297 χ^2 /NDF: 85.8/77

- sign 0.701 $\pm$ 7.589 χ^2 /NDF: 35.9/38

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

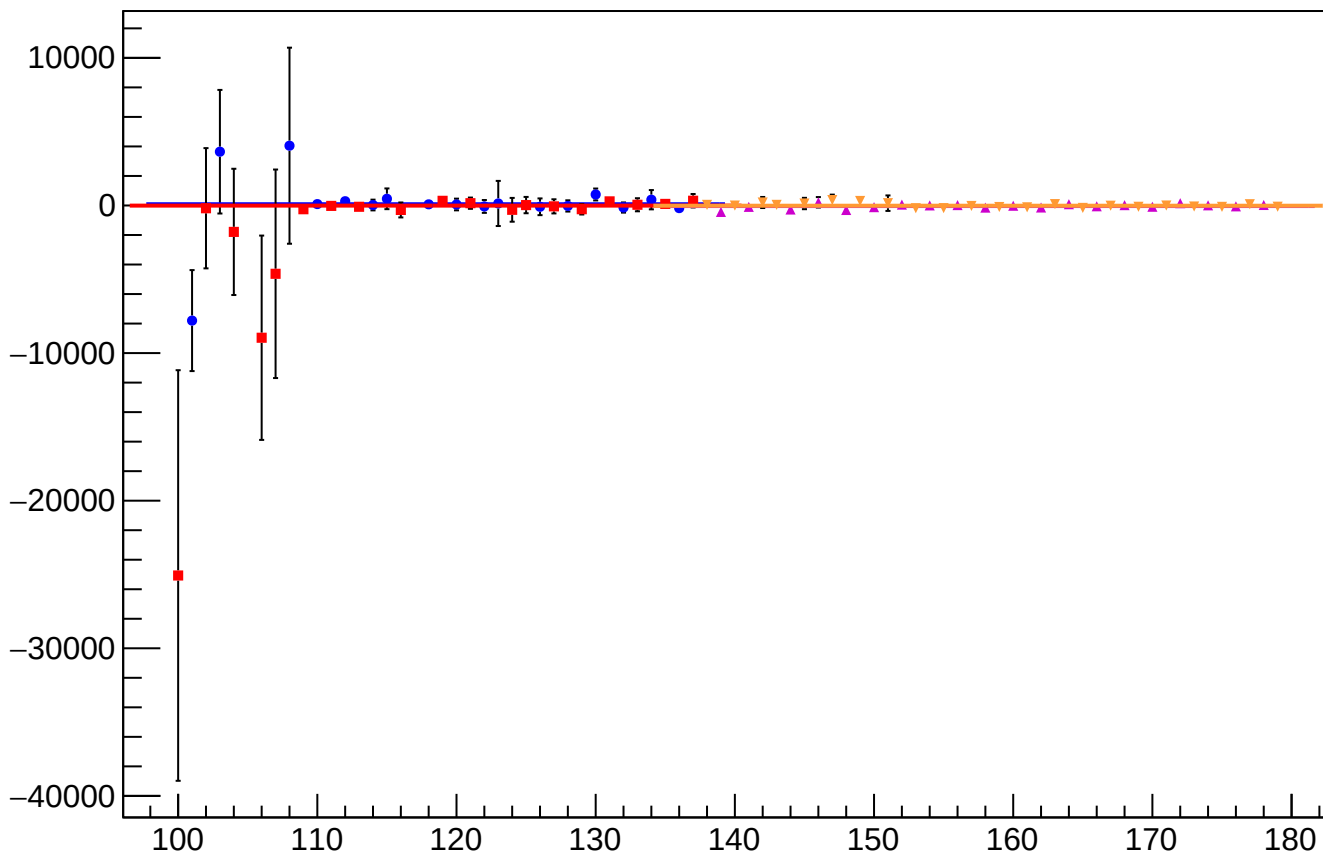
Left In: 34.687 $\pm$ 0.006 χ^2 /NDF: 59118.8/19

+ sign 34.503 $\pm$ 0.005 χ^2 /NDF: 3061314.2/38

All: 34.496 $\pm$ 0.004 χ^2 /NDF: 6576333.2/77

- sign 34.488 $\pm$ 0.005 χ^2 /NDF: 3515014.6/38

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504 $\pm$ 88.746 χ^2 /NDF: 12.5/16

Left Out: -16.201 $\pm$ 53.642 χ^2 /NDF: 5.7/21

Right Out: -8.565 $\pm$ 81.257 χ^2 /NDF: 11.1/18

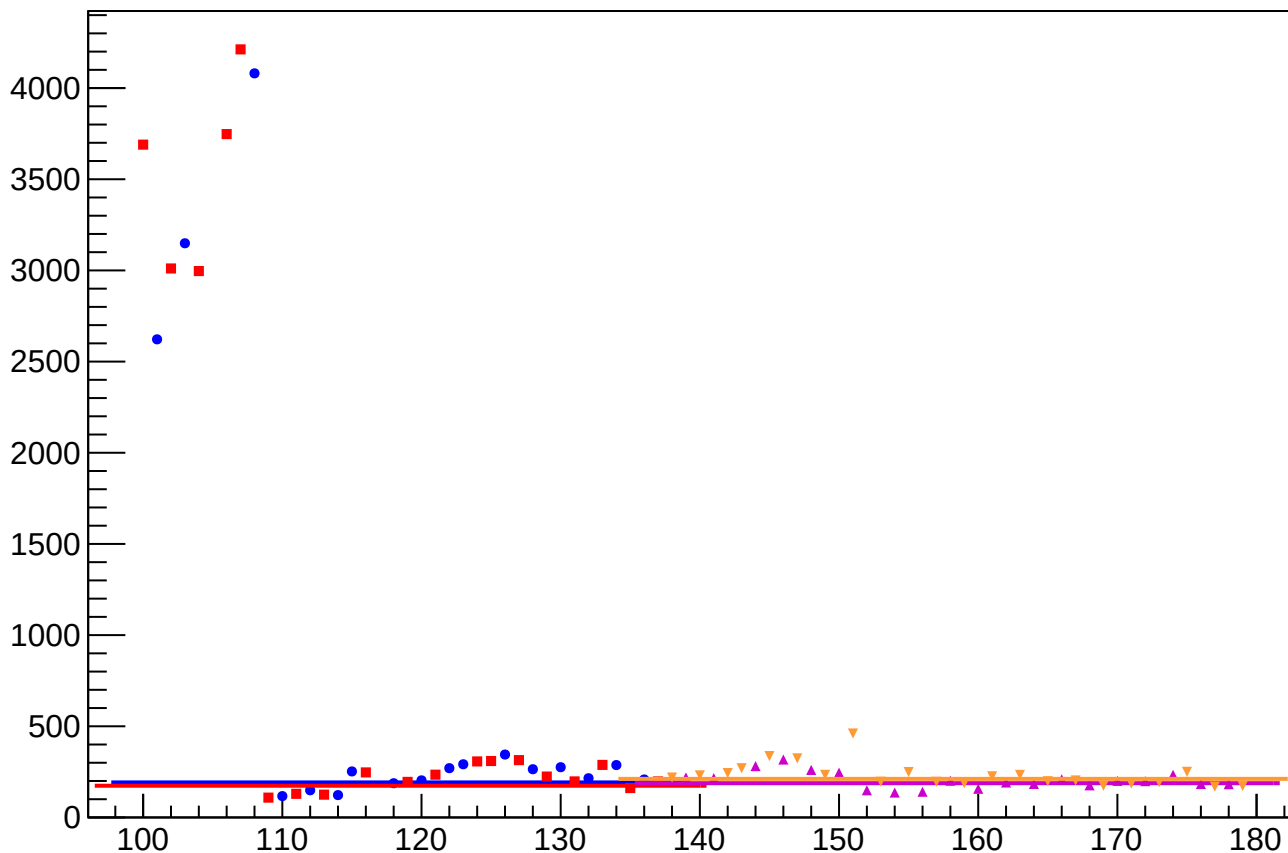
Left In: -38.560 $\pm$ 49.837 χ^2 /NDF: 6.5/19

+ sign 10.747 $\pm$ 45.908 χ^2 /NDF: 19.1/38

All: -11.397 $\pm$ 31.181 χ^2 /NDF: 37.2/77

- sign -30.361 $\pm$ 42.483 χ^2 /NDF: 17.7/38

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

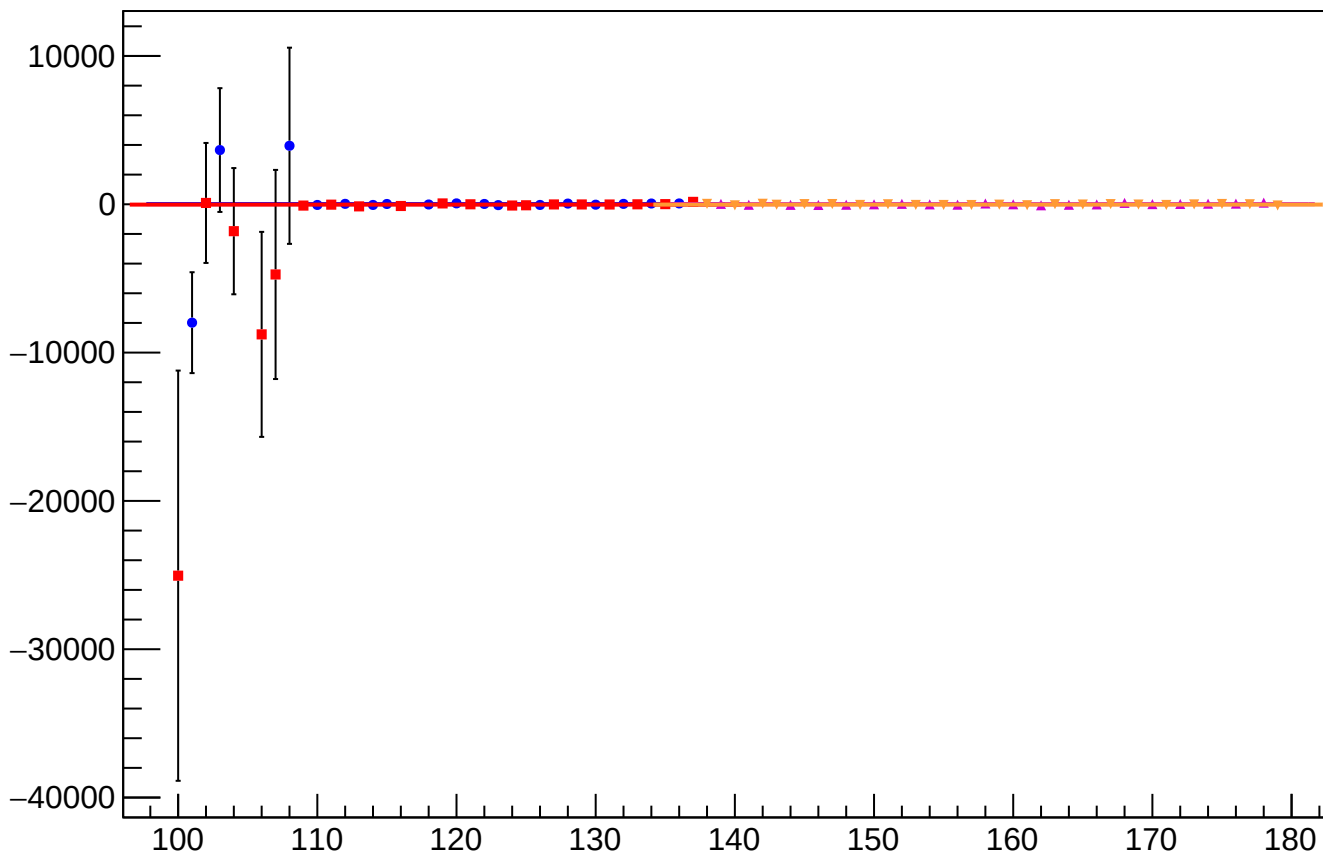
Left In: 188.025+/-0.035 χ^2/NDF :1342112.9/19

+ sign 206.458+/-0.032 χ^2/NDF : 5035843.1/38

All: 194.457+/-0.022 χ^2/NDF : 10886812.4/77

- sign 184.180+/-0.030 χ^2/NDF : 5597266.5/38

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

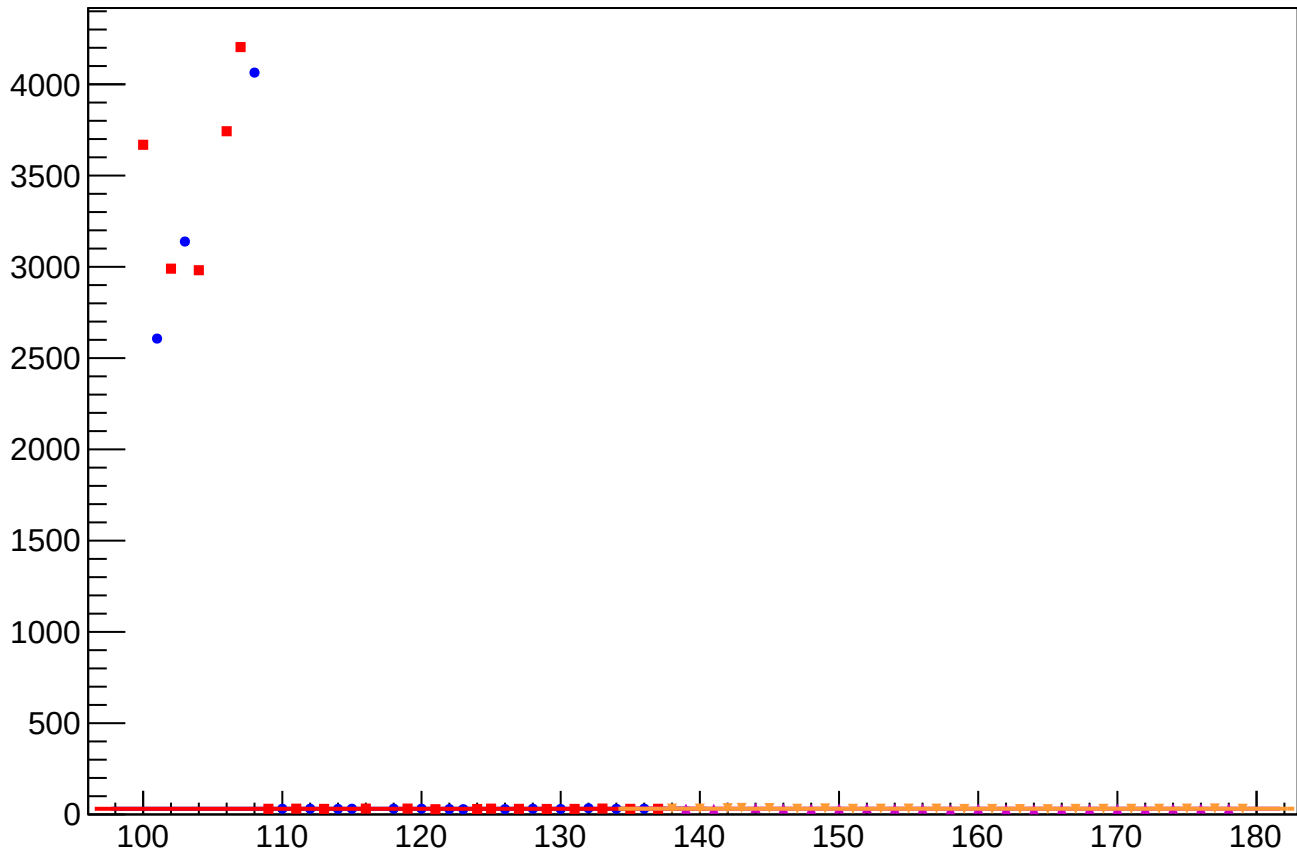
Left In: 7.684+/-8.000 χ^2/NDF :32.6/19

+ sign -12.530+/-6.735 χ^2/NDF : 36.4/38

All: -6.446+/-4.821 χ^2/NDF : 102.3/77

- sign -0.054+/-6.903 χ^2/NDF : 64.2/38

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153 $\pm$ 0.010 χ^2 /NDF: 3014515.0/16

Left Out: 31.477 $\pm$ 0.005 χ^2 /NDF: 77111.8/21

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458924.5/18

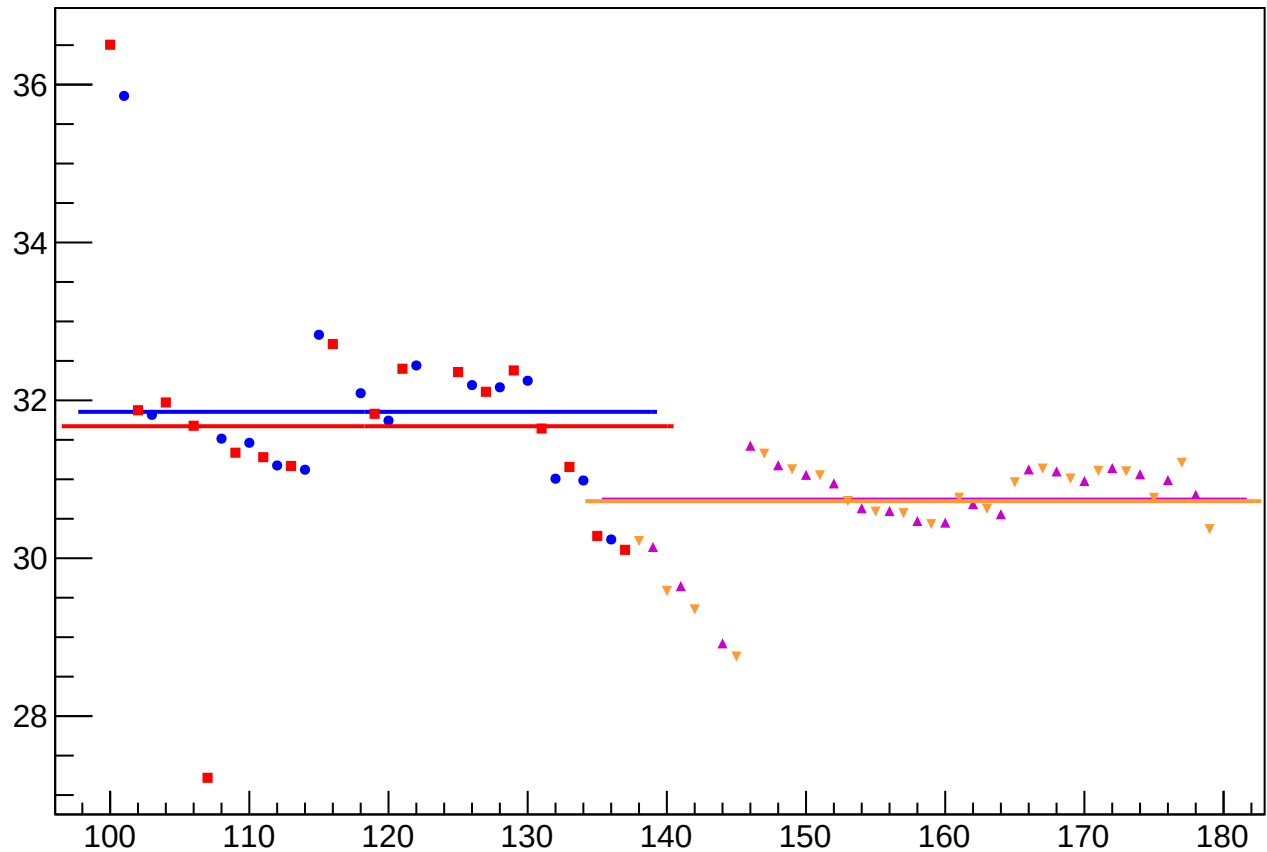
Left In: 31.469 $\pm$ 0.006 χ^2 /NDF: 87207.7/19

+ sign 31.399 $\pm$ 0.005 χ^2 /NDF: 3092472.3/38

All: 31.370 $\pm$ 0.003 χ^2 /NDF: 6640725.4/77

- sign 31.339 $\pm$ 0.005 χ^2 /NDF: 3548177.5/38

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

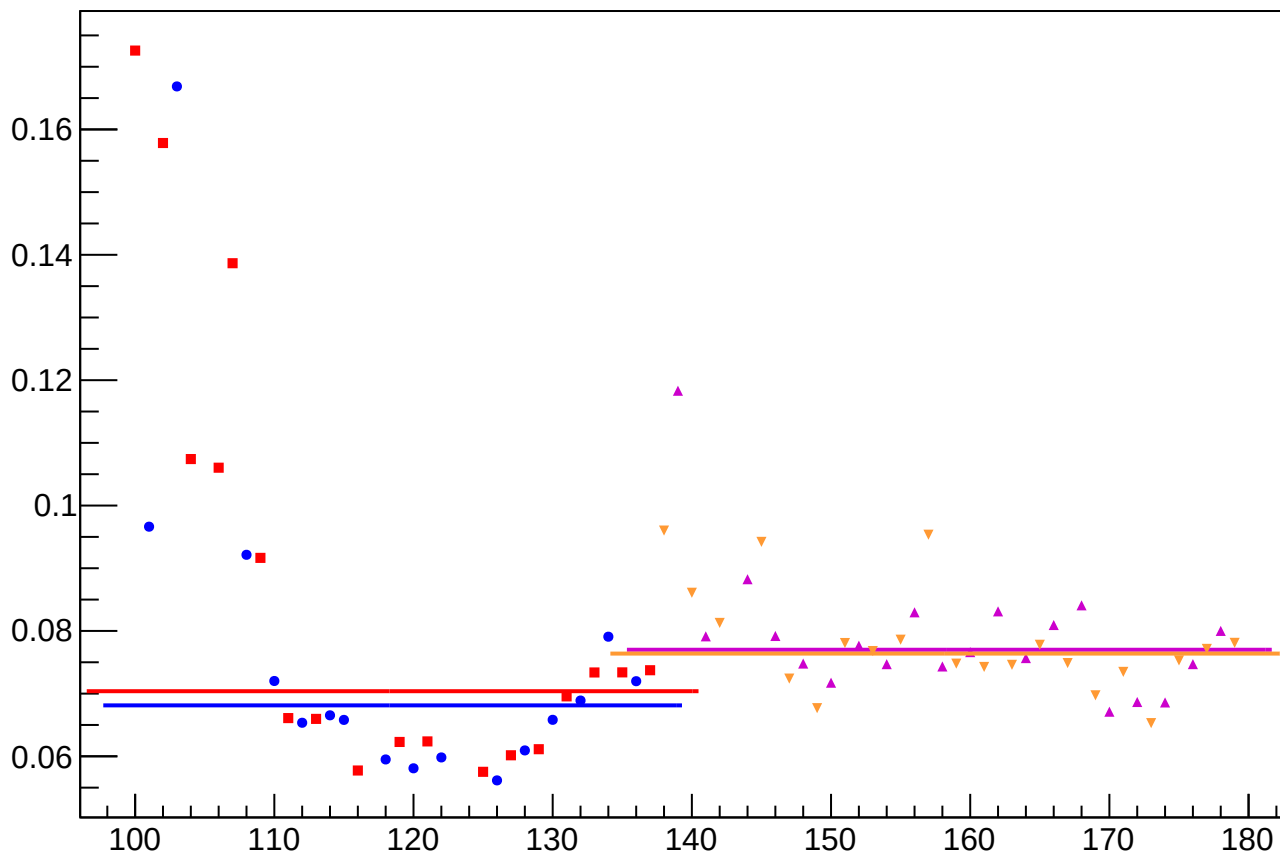
Left In: 30.743+/-0.000 χ^2 /NDF: 689595833.6/19

+ sign 31.102+/-0.000 χ^2 /NDF: 3396156627.1/36

All: 31.078+/-0.000 χ^2 /NDF: 5694256224.9/37

- sign 31.054+/-0.000 χ^2 /NDF: 2293957974.0/37

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

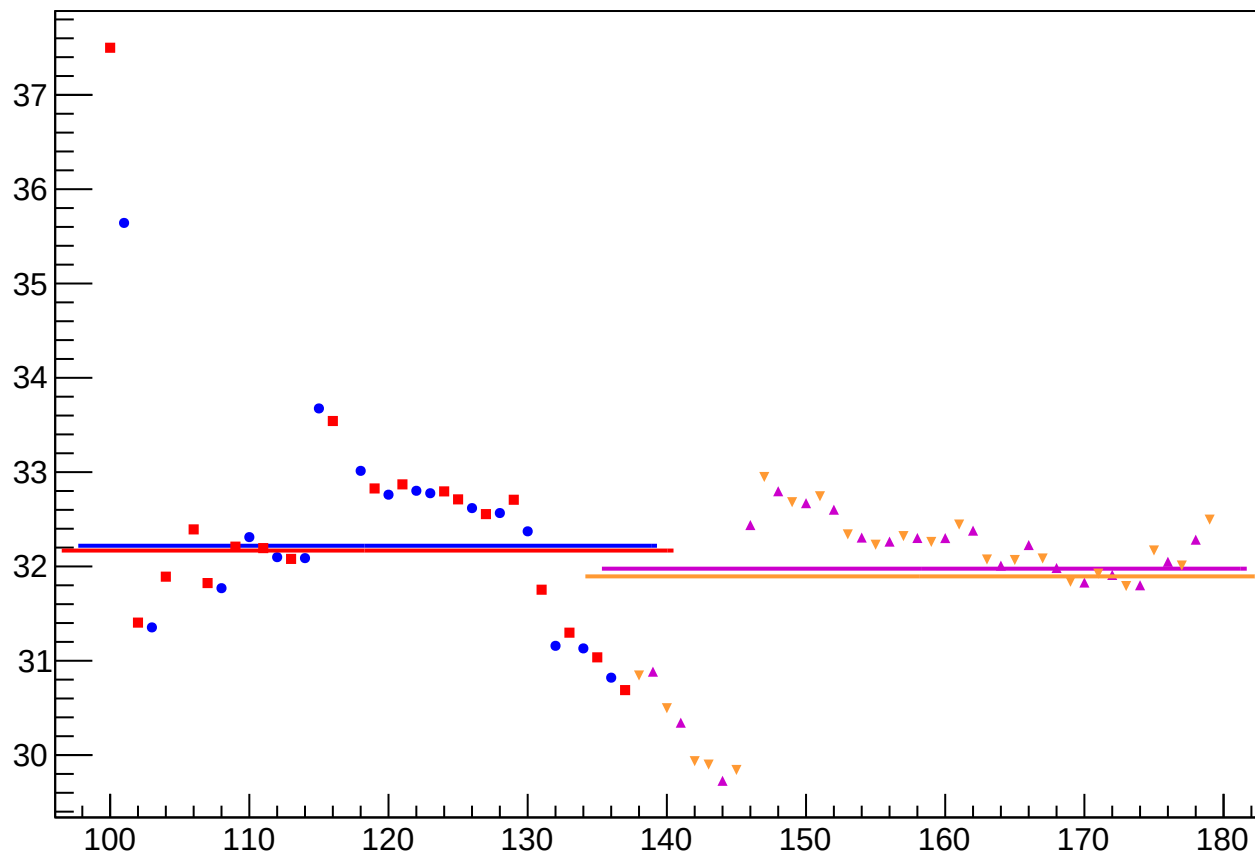
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF: 316923.9/19

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 1010885.9/36

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 2243489.4/74

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 1227692.0/37

yield_usr_mean vs Slug



Right In: 32.220 $\pm$ 0.000 χ^2 /NDF: 1013864543.3/16

Left Out: 31.895 $\pm$ 0.000 χ^2 /NDF:1887936894.5/21

Right Out: 32.168 $\pm$ 0.000 χ^2 /NDF: 442298310.3/18

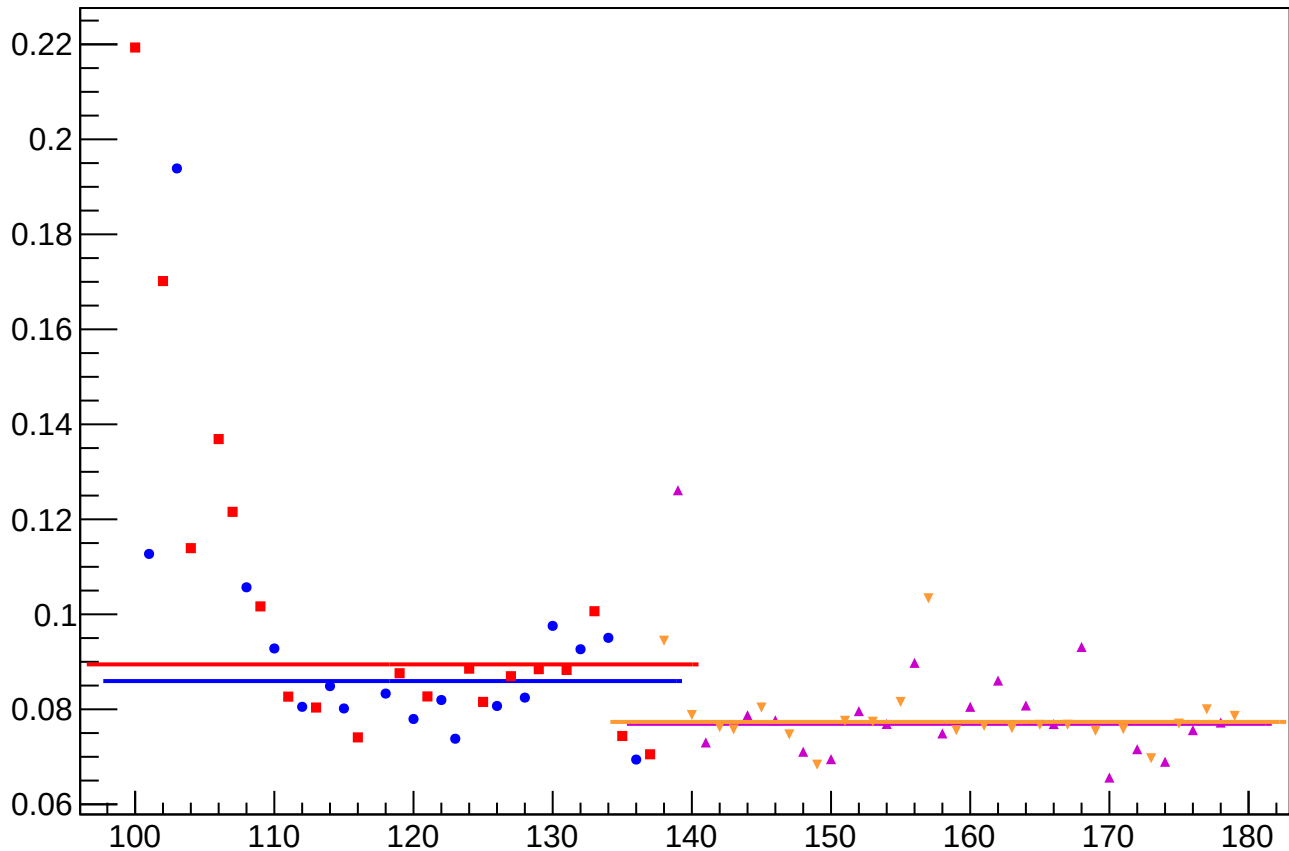
Left In: 31.976 $\pm$ 0.000 χ^2 /NDF:1420992181.4/19

+ sign 31.971 $\pm$ 0.000 χ^2 /NDF: 2965046543.4/38

All: 31.997 $\pm$ 0.000 χ^2 /NDF: 4854105502.1/77

- sign 32.023 $\pm$ 0.000 χ^2 /NDF: 1884768452.3/38

yield_usr_rms vs Slug



Right In: 0.086 ± 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.077 ± 0.000 χ^2/NDF : 182331.2/21

Right Out: 0.089 ± 0.000 χ^2/NDF : 539869.9/18

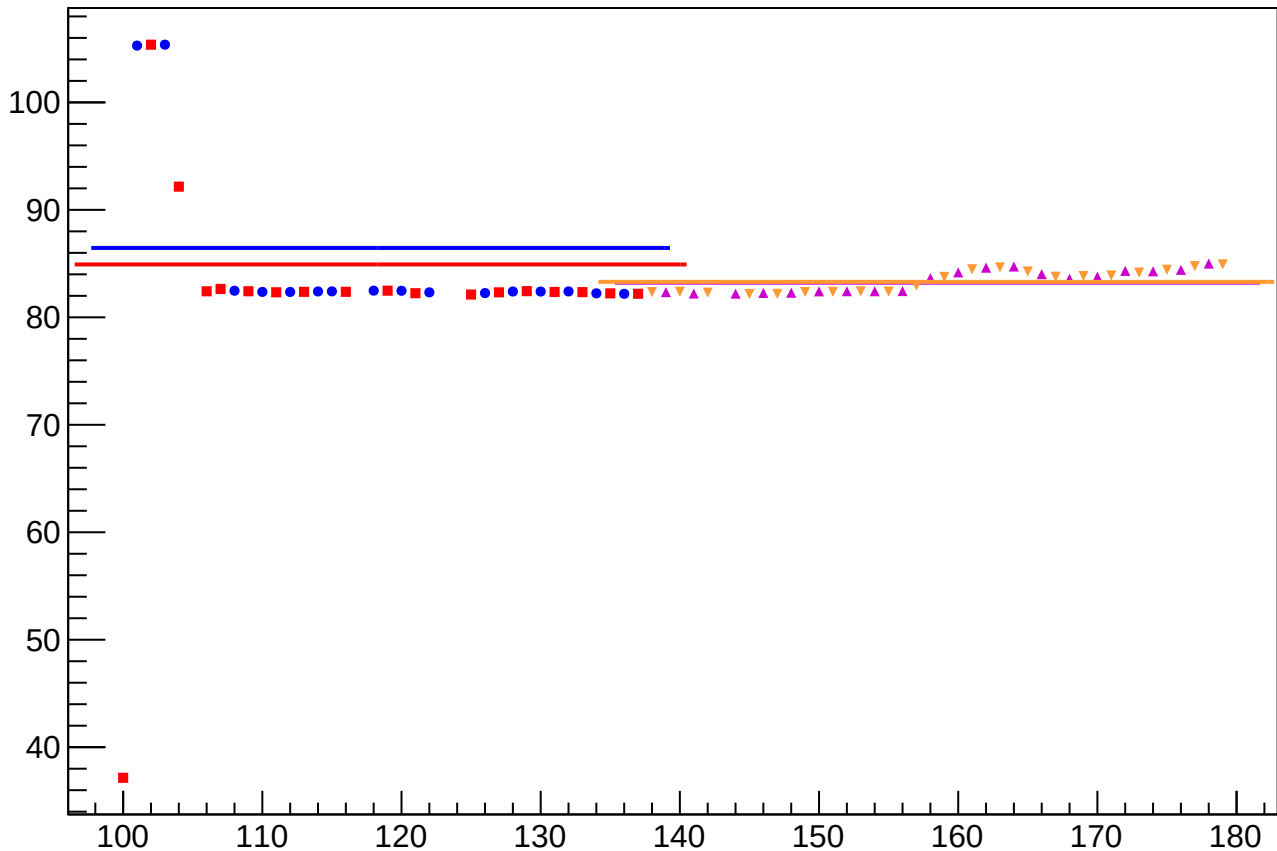
Left In: 0.077 ± 0.000 χ^2/NDF : 421649.9/19

+ sign 0.079 ± 0.000 χ^2/NDF : 824248.0/38

All: 0.080 ± 0.000 χ^2/NDF : 1969441.9/77

- sign 0.080 ± 0.000 χ^2/NDF : 1144086.3/38

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 83.302+/-0.000 χ^2/NDF : 7787198726.7/20

Right Out: 84.920+/-0.000 χ^2/NDF : 172195187677.7/17

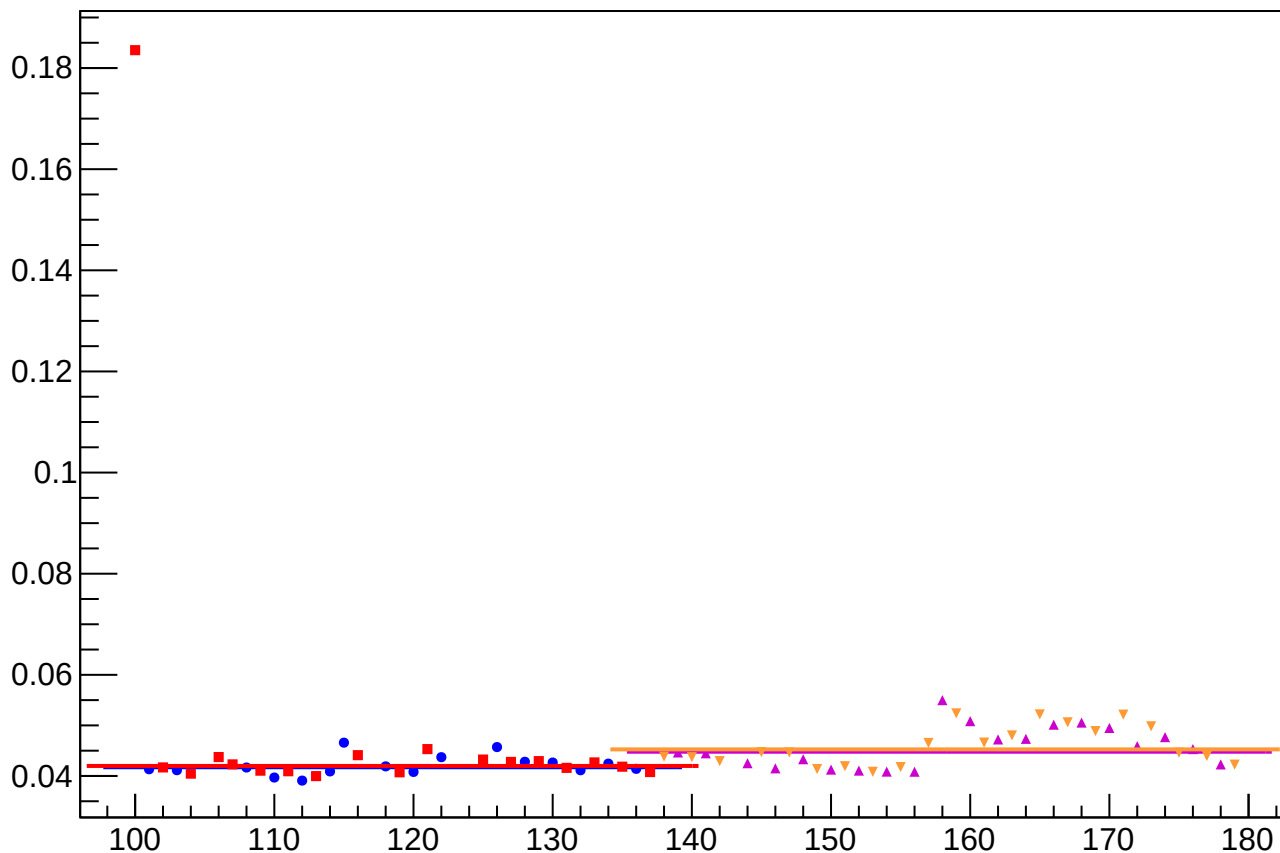
Left In: 83.225+/-0.000 χ^2/NDF : 7671291749.3/19

+ sign 84.353+/-0.000 χ^2/NDF : 324221802692.4/36

All: 84.077+/-0.000 χ^2/NDF : 513193712435.

- sign 83.803+/-0.000 χ^2/NDF : 187254938689.0/37

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

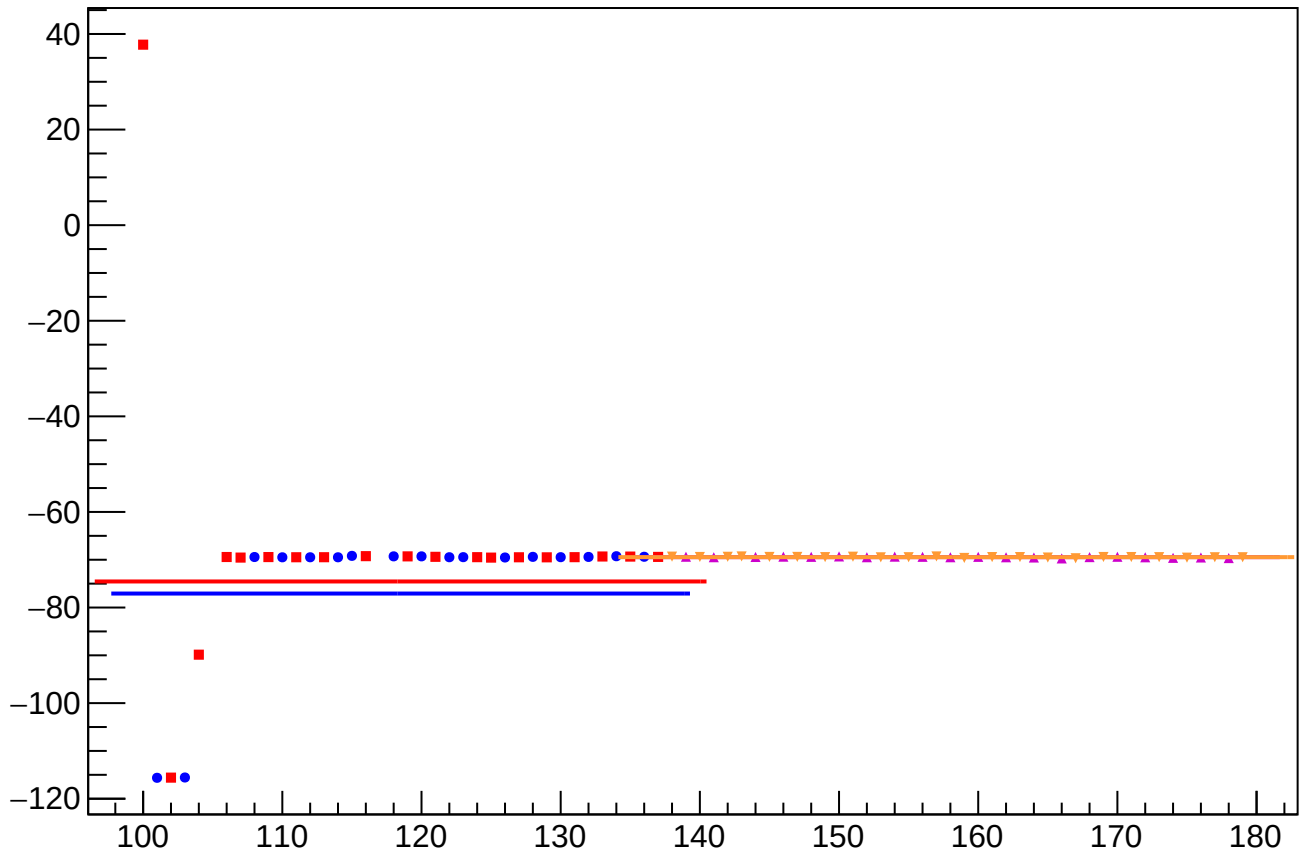
Left In: 0.045+/-0.000 χ^2/NDF :215601.2/19

+ sign 0.044+/-0.000 χ^2/NDF : 270715.8/36

All: 0.044+/-0.000 χ^2/NDF : 624574.1/74

- sign 0.044+/-0.000 χ^2/NDF : 353156.0/37

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

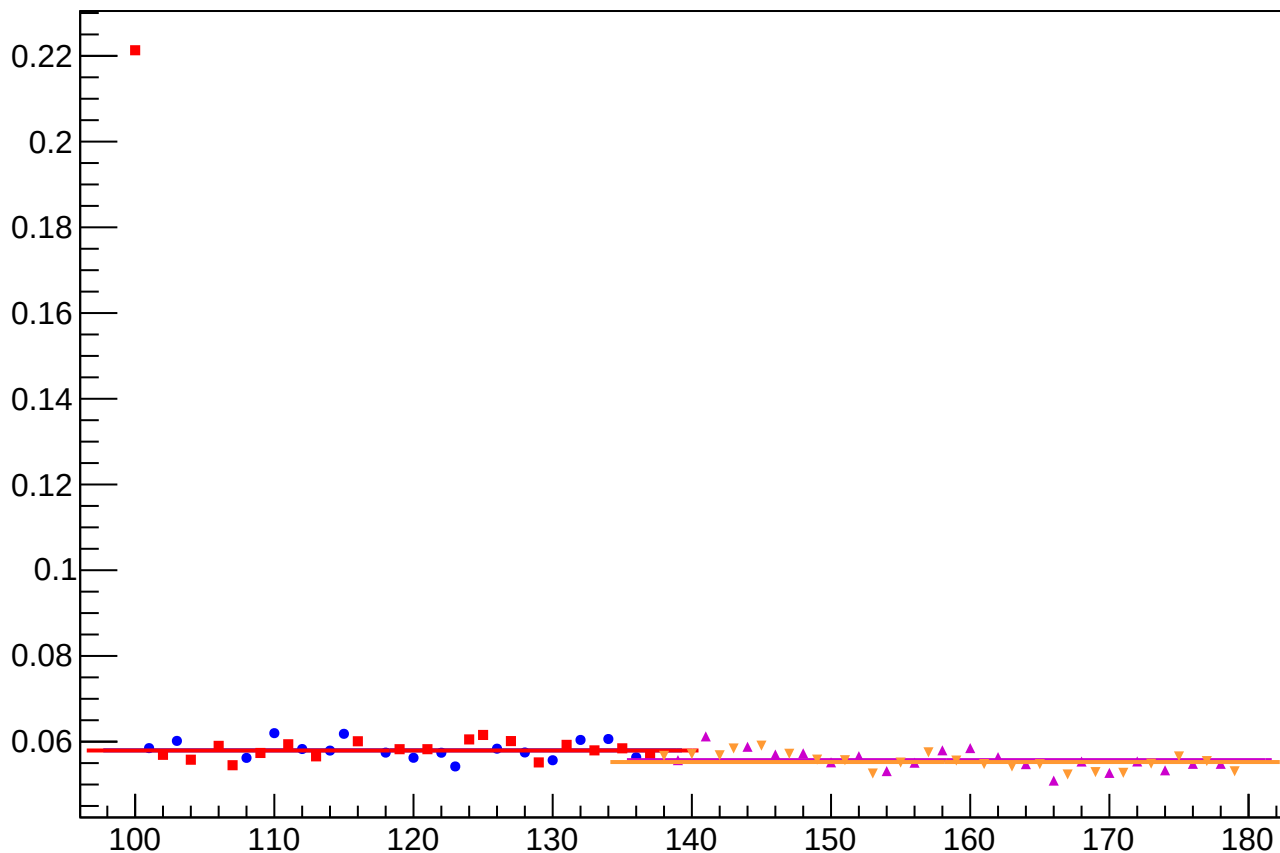
Left In: -69.457 ± 0.000 χ^2/NDF : 51449201.6/19

+ sign -71.495 ± 0.000 χ^2/NDF : 646807489809.7/3

All: -71.237 ± 0.000 χ^2/NDF : 105692727753

- sign -70.968 ± 0.000 χ^2/NDF : 409146827627.7/3

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

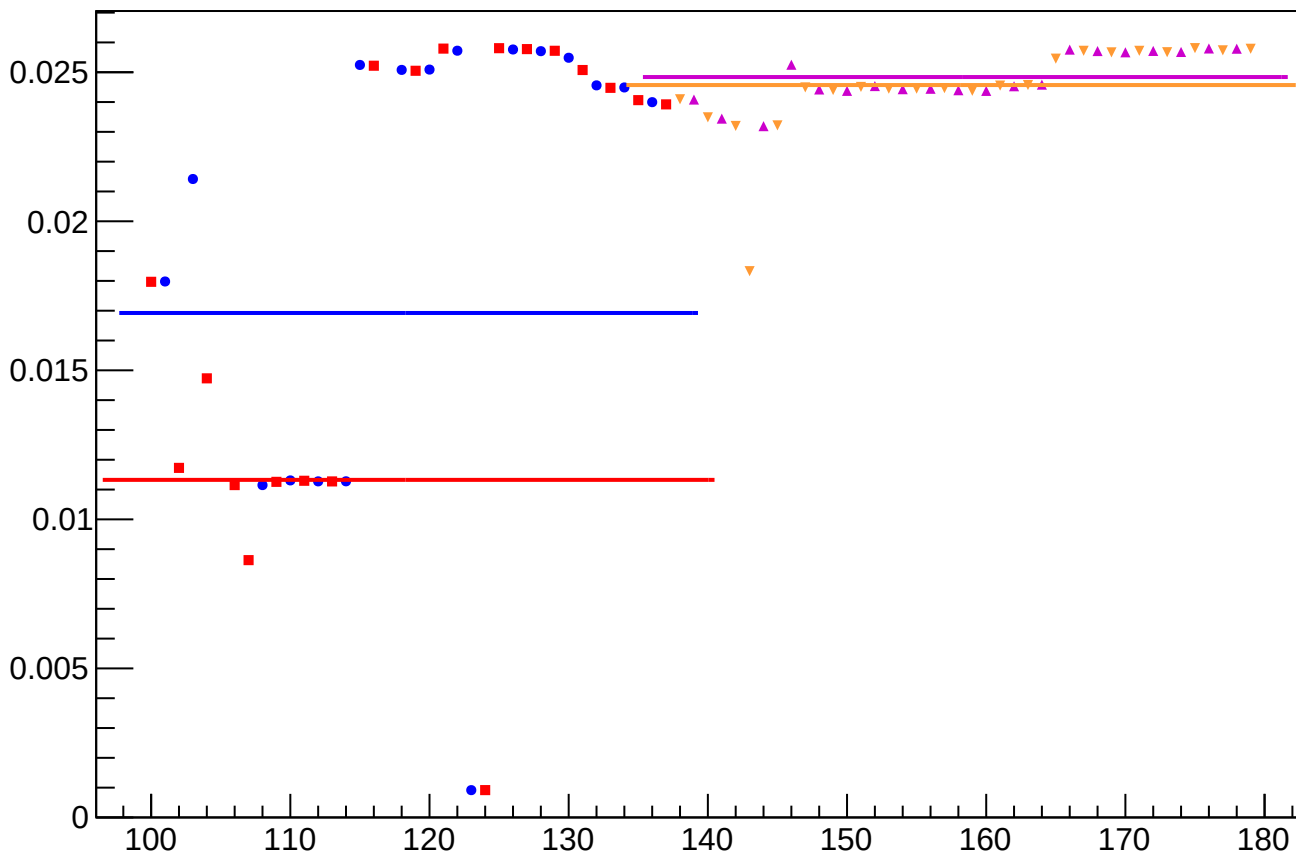
Left In: 0.056+/-0.000 χ^2/NDF : 49271.3/19

+ sign 0.056+/-0.000 χ^2/NDF : 69815.2/38

All: 0.056+/-0.000 χ^2/NDF : 221097.6/77

- sign 0.056+/-0.000 χ^2/NDF : 150234.7/38

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

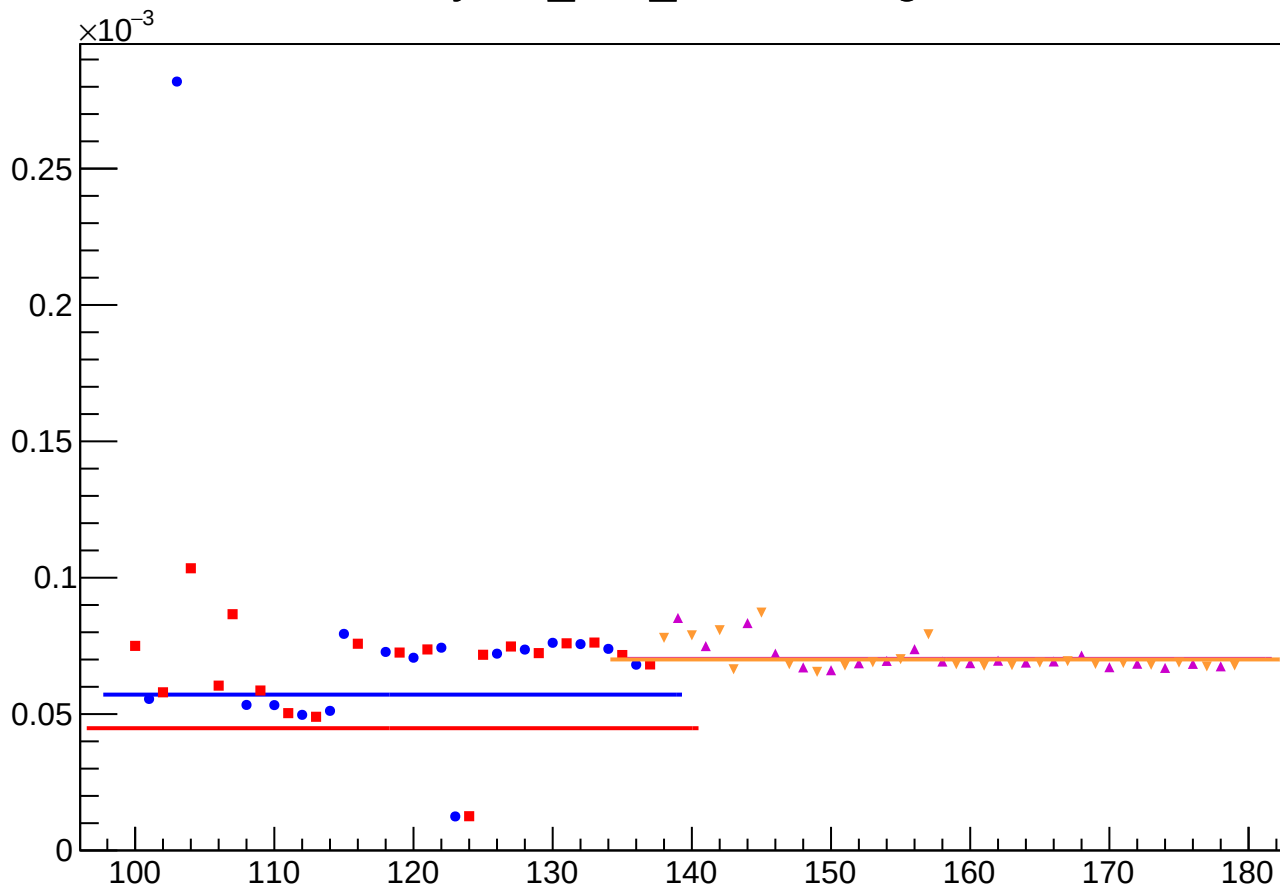
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 1798443773.4/19

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 199399444663.9/38

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 707079072786.9

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 483237526185.3/38

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

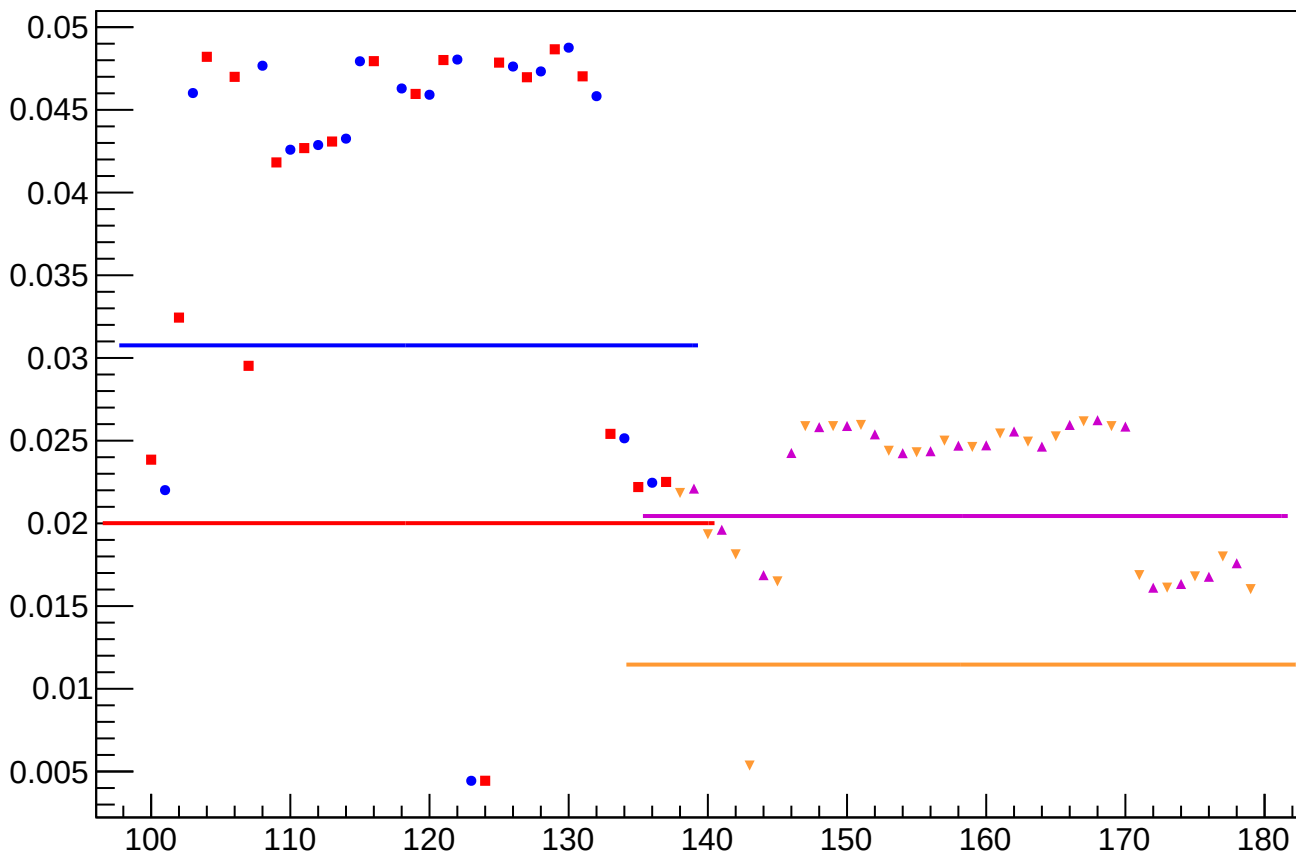
Left In: 0.000+/-0.000 χ^2/NDF :121684.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 2521780.3/38

All: 0.000+/-0.000 χ^2/NDF : 8204740.2/77

- sign 0.000+/-0.000 χ^2/NDF : 5458629.8/38

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

+ sign 0.014+/-0.000 χ^2/NDF : 80398390166.5/38

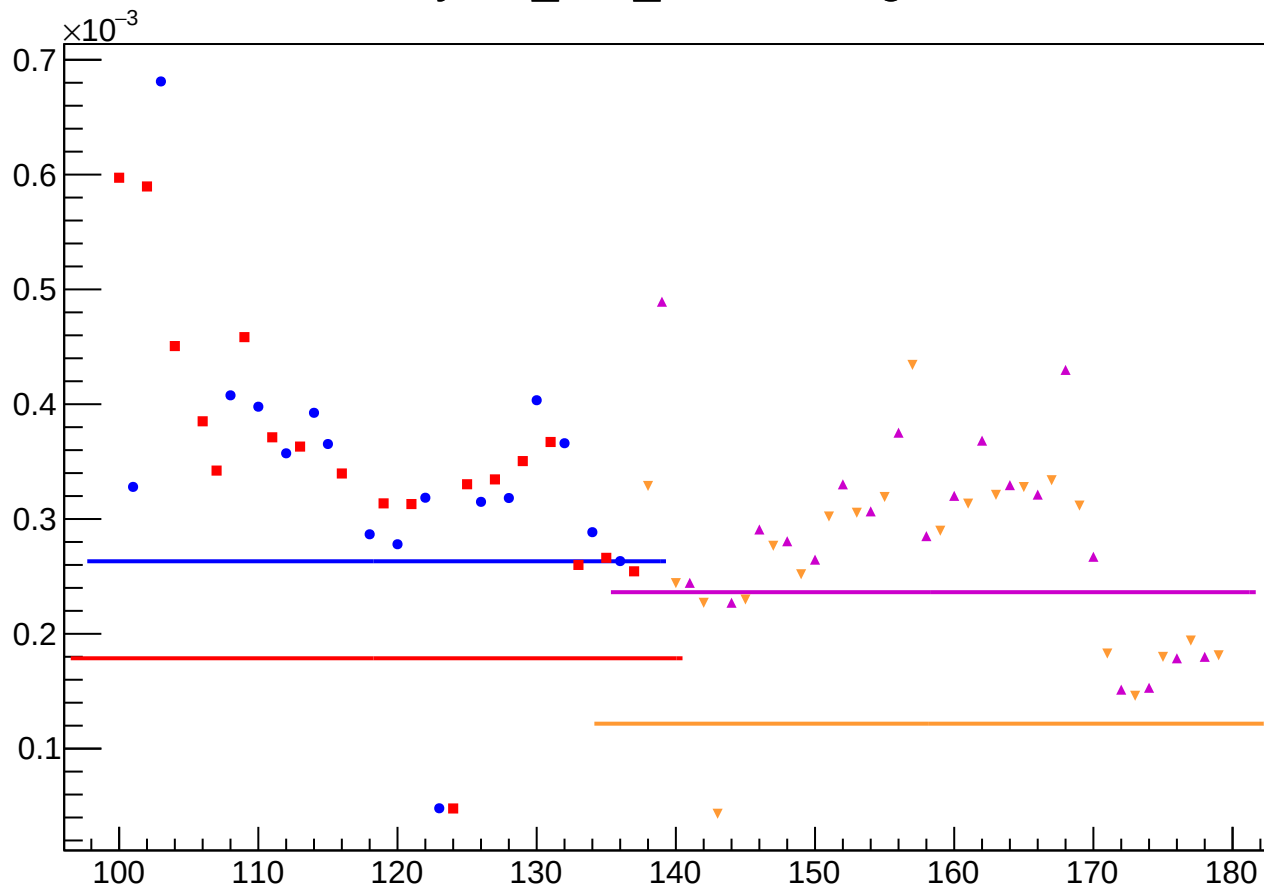
Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

All: 0.016+/-0.000 χ^2/NDF : 134911088233.4

Left In: 0.020+/-0.000 χ^2/NDF : 3992024889.0/19

- sign 0.020+/-0.000 χ^2/NDF : 44017857873.6/38

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 :2860526.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 17513305.3/38

All: 0.000+/-0.000 χ^2/NDF : 29158134.0/77

- sign 0.000+/-0.000 χ^2/NDF : 8716997.3/38

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

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43669374279.3/18

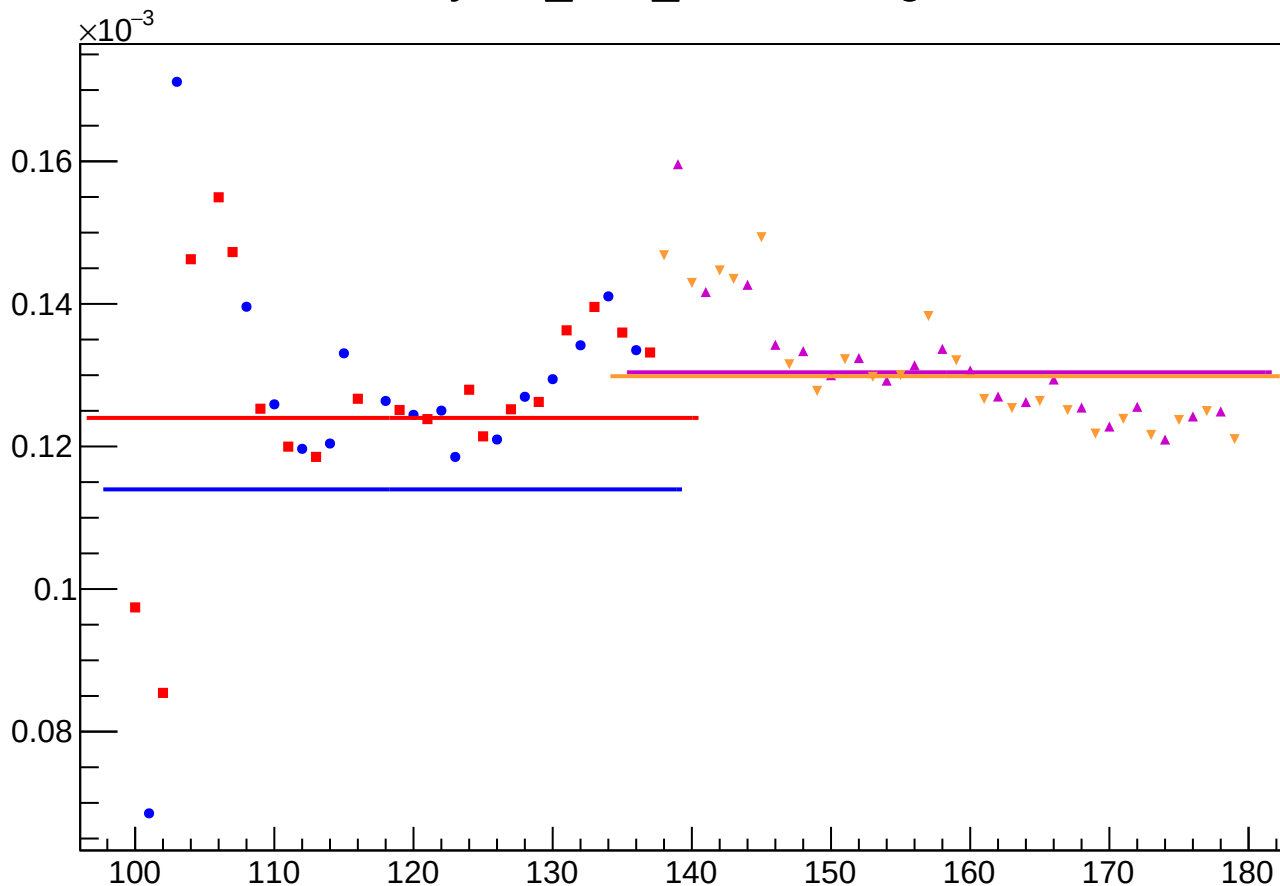
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 445426621.0/19

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 122149767290.4/38

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 172963735608.1

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 48979326325.5/38

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

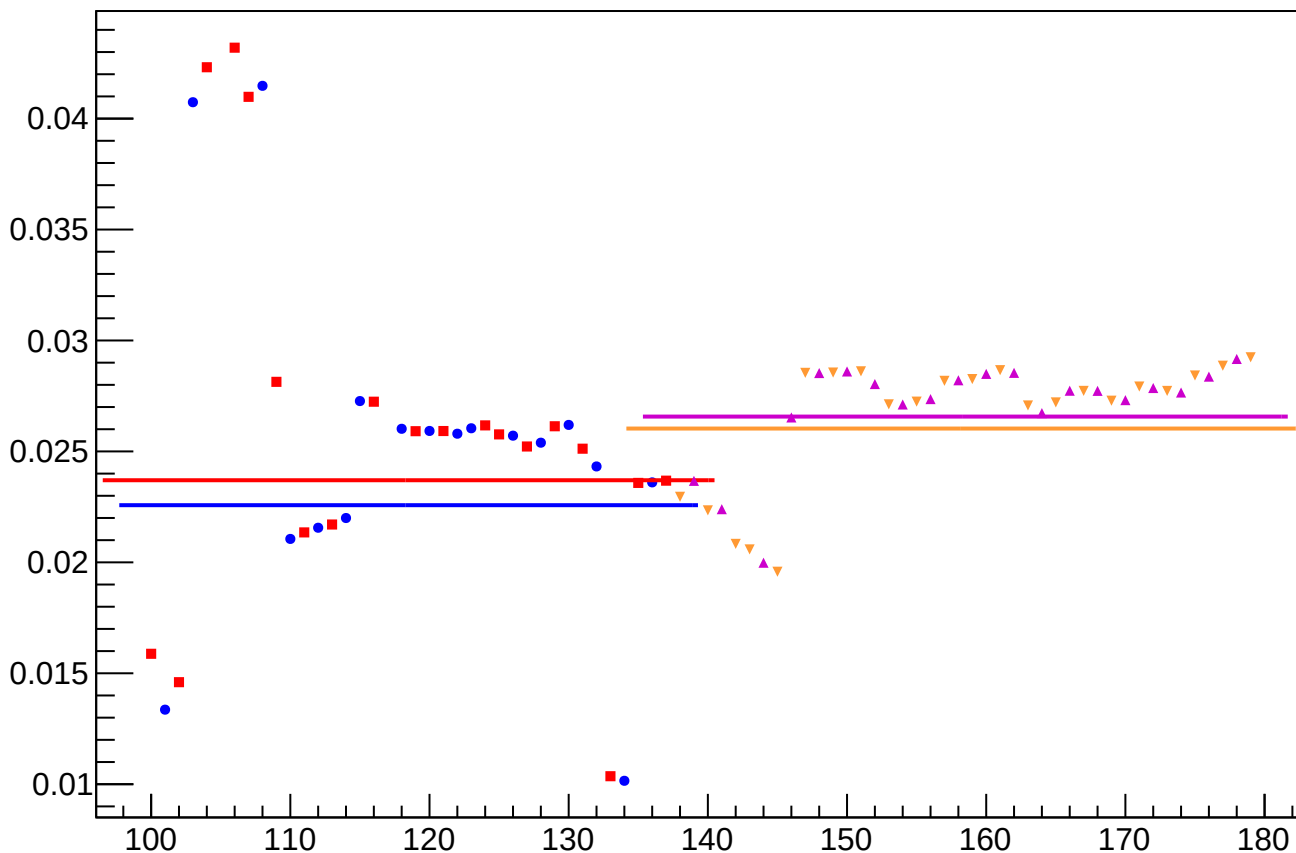
Left In: 0.000+/-0.000 χ^2/NDF : 103066.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 1075597.1/38

All: 0.000+/-0.000 χ^2/NDF : 1466424.1/77

- sign 0.000+/-0.000 χ^2/NDF : 372067.3/38

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

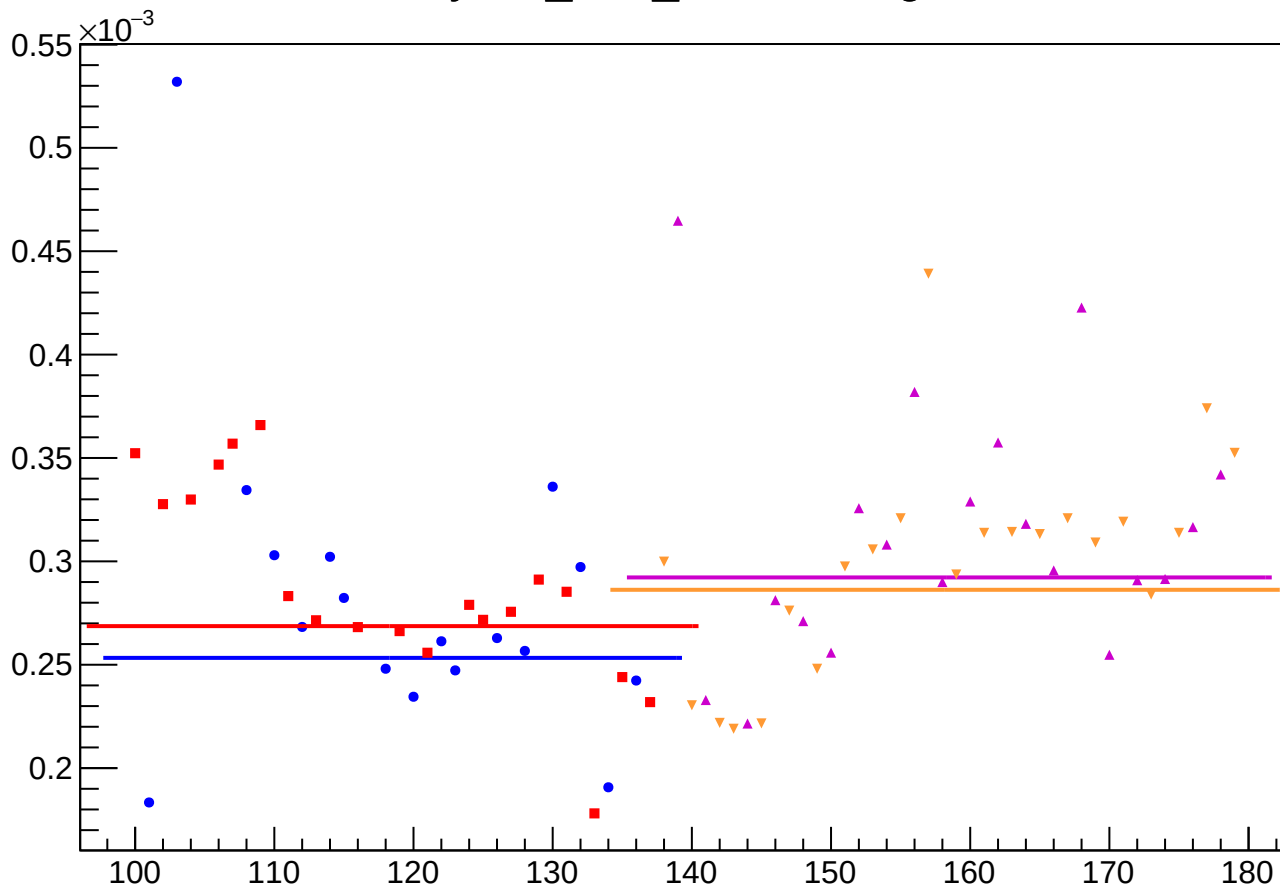
Left In: 0.027+/-0.000 χ^2/NDF : 1250251482.7/19

+ sign 0.025+/-0.000 χ^2/NDF : 6877252380.9/38

All: 0.025+/-0.000 χ^2/NDF : 14306146688.0/7

- sign 0.026+/-0.000 χ^2/NDF : 7362983868.1/38

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

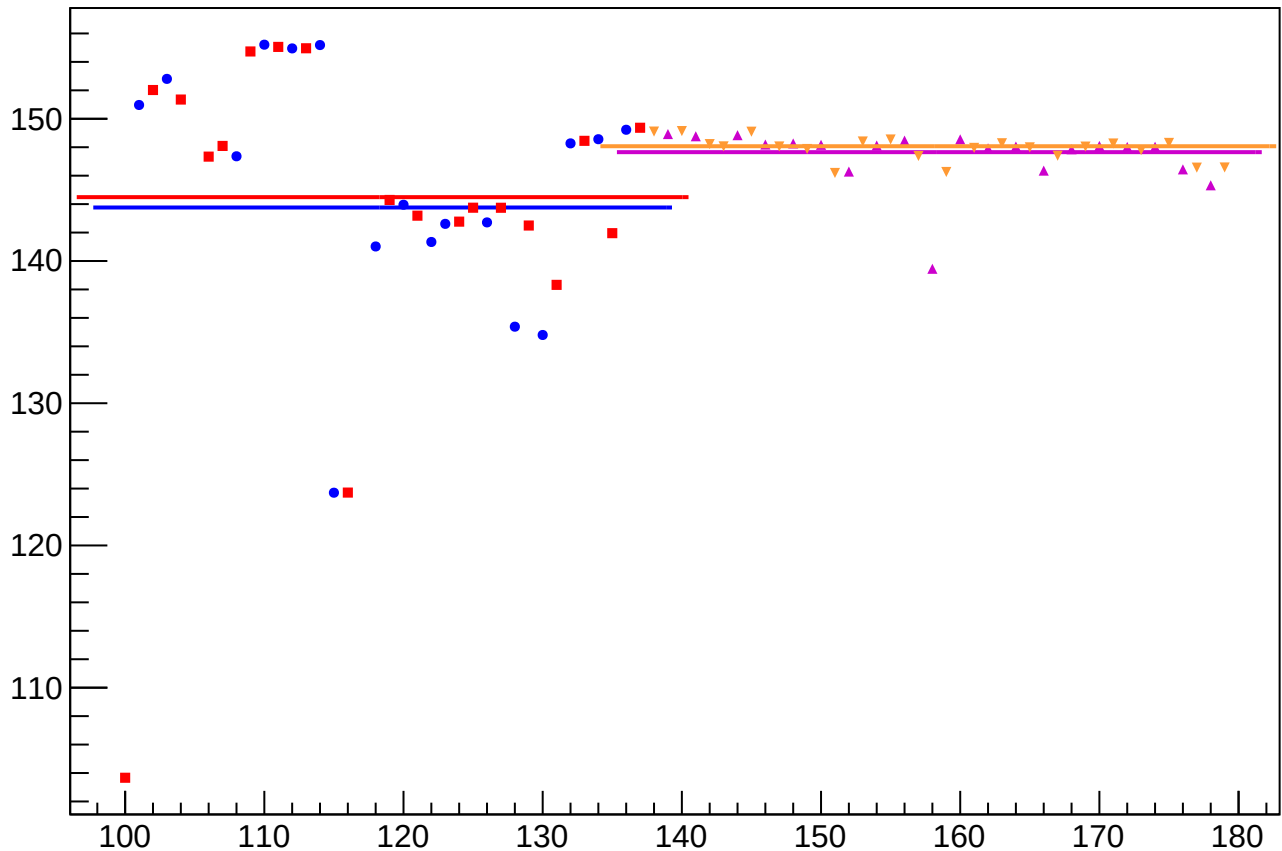
Left In: 0.000+/-0.000 χ^2/NDF : 883170.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 1542116.0/38

All: 0.000+/-0.000 χ^2/NDF : 2936459.8/77

- sign 0.000+/-0.000 χ^2/NDF : 1373653.2/38

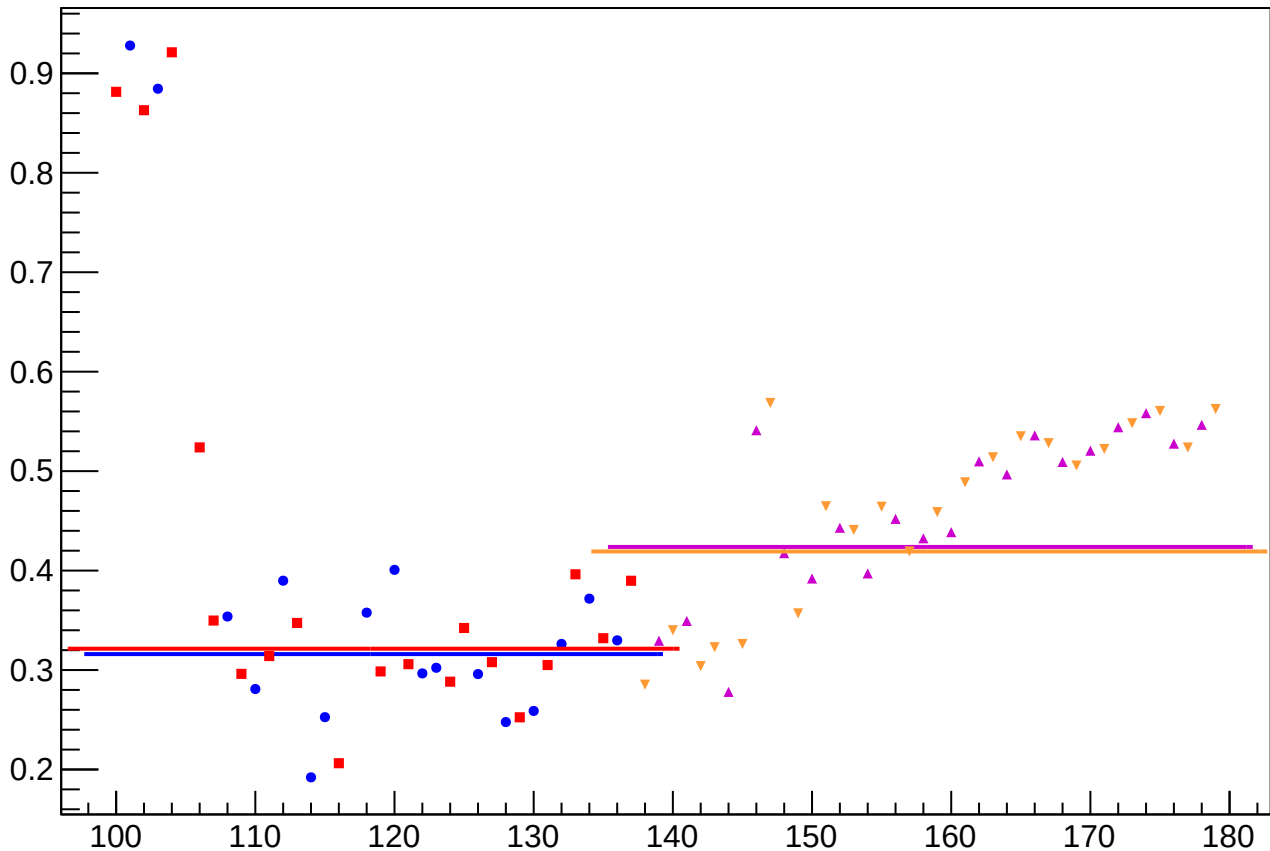
yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16
 Left Out: 148.070 $\pm$ 0.000 χ^2 /NDF: 65455393.2/21
 Right Out: 144.490 $\pm$ 0.000 χ^2 /NDF: 4182548232.5/18
 Left In: 147.653 $\pm$ 0.000 χ^2 /NDF: 344839232.1/19

+ sign 146.392 $\pm$ 0.000 χ^2 /NDF: 4230088538.5/38
 All: 146.370 $\pm$ 0.000 χ^2 /NDF: 9090580072.3
 - sign 146.347 $\pm$ 0.000 χ^2 /NDF: 4860348081.6/38

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 ± 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.419 ± 0.000 χ^2/NDF : 1595183.6/21

Right Out: 0.321 ± 0.000 χ^2/NDF : 1219073.9/18

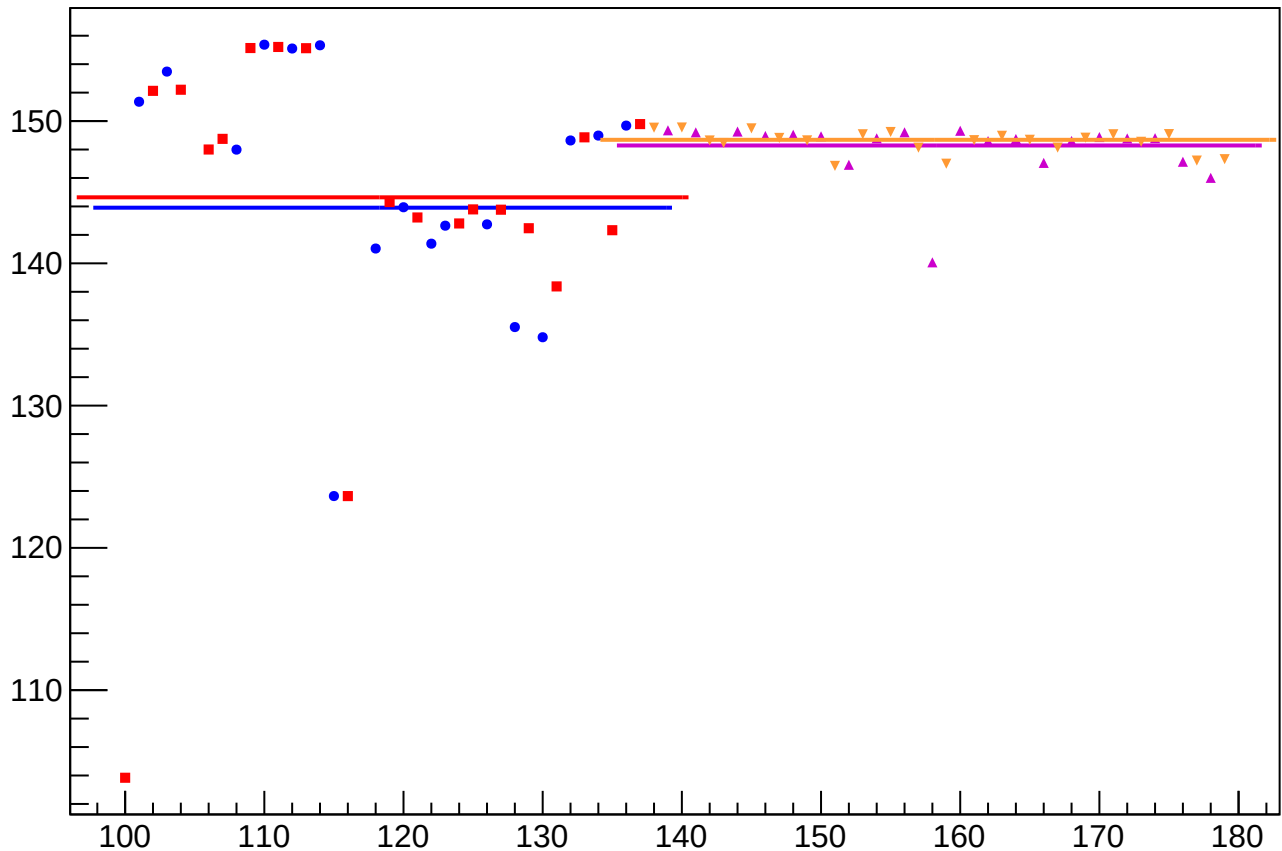
Left In: 0.424 ± 0.000 χ^2/NDF : 1259565.1/19

+ sign 0.379 ± 0.000 χ^2/NDF : 3584114.7/38

All: 0.380 ± 0.000 χ^2/NDF : 6760552.2/77

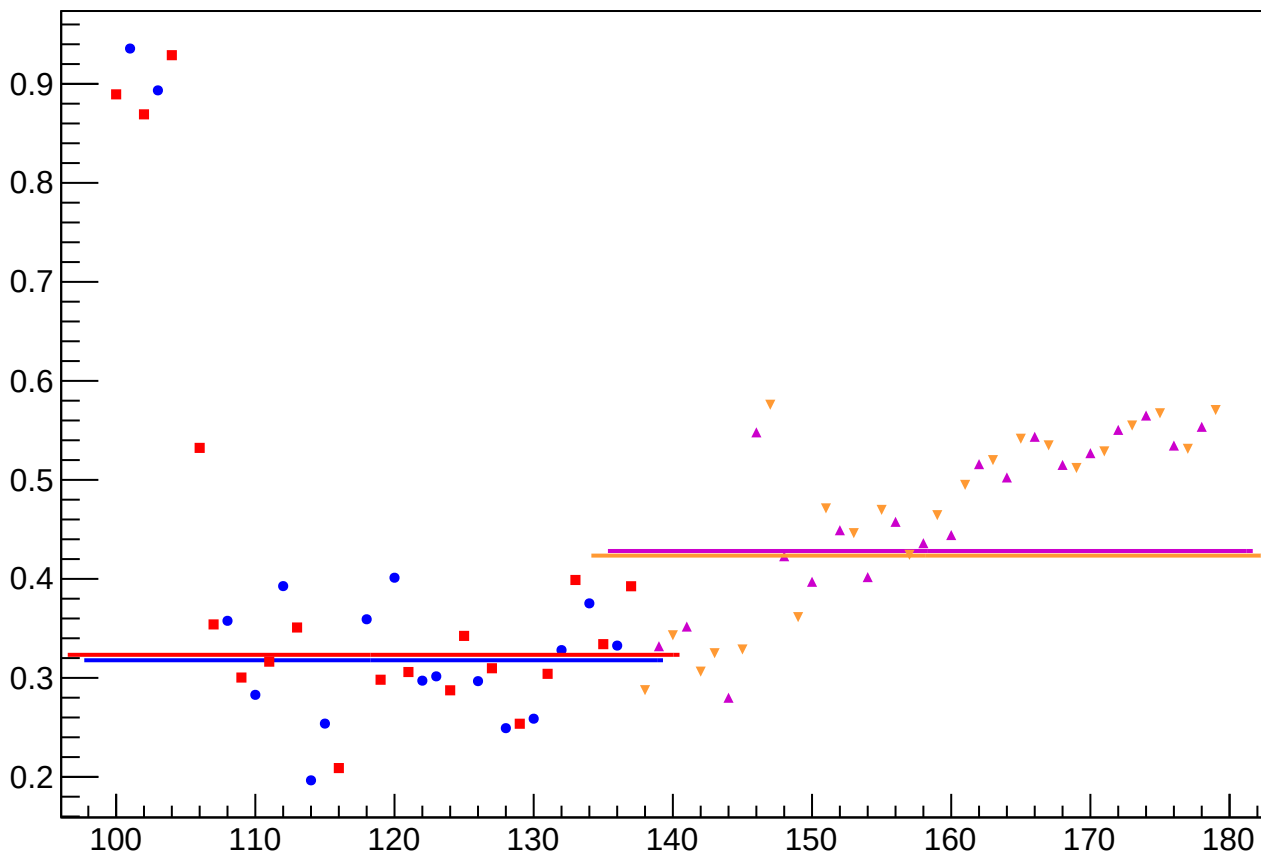
- sign 0.382 ± 0.000 χ^2/NDF : 3175558.9/38

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000	χ^2 /NDF: 3587769790.2/16	+ sign 146.813 $\pm$ 0.000	χ^2 /NDF: 4401287245.5/38
Left Out: 148.683 $\pm$ 0.000	χ^2 /NDF: 52405788.4/21	All: 146.793 $\pm$ 0.000	χ^2 /NDF: 9379037220.4
Right Out: 144.640 $\pm$ 0.000	χ^2 /NDF: 4209610240.4/18	- sign 146.772 $\pm$ 0.000	χ^2 /NDF: 4977629693.7/38
Left In: 148.285 $\pm$ 0.000	χ^2 /NDF: 332967320.4/19		

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

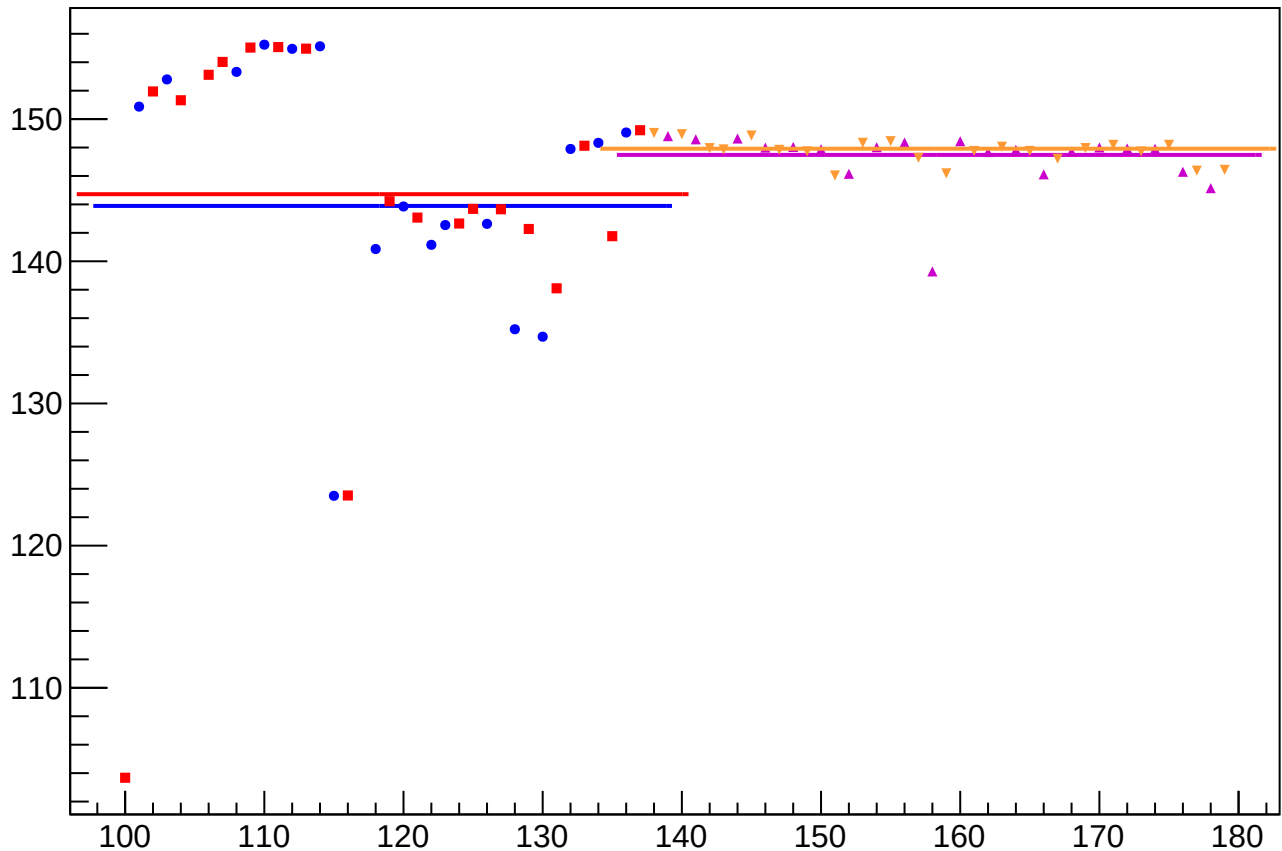
Left In: 0.428 $\pm$ 0.000 χ^2 /NDF:1282808.9/19

+ sign 0.382 $\pm$ 0.000 χ^2 /NDF: 3640014.3/38

All: 0.383 $\pm$ 0.000 χ^2 /NDF: 6866474.7/77

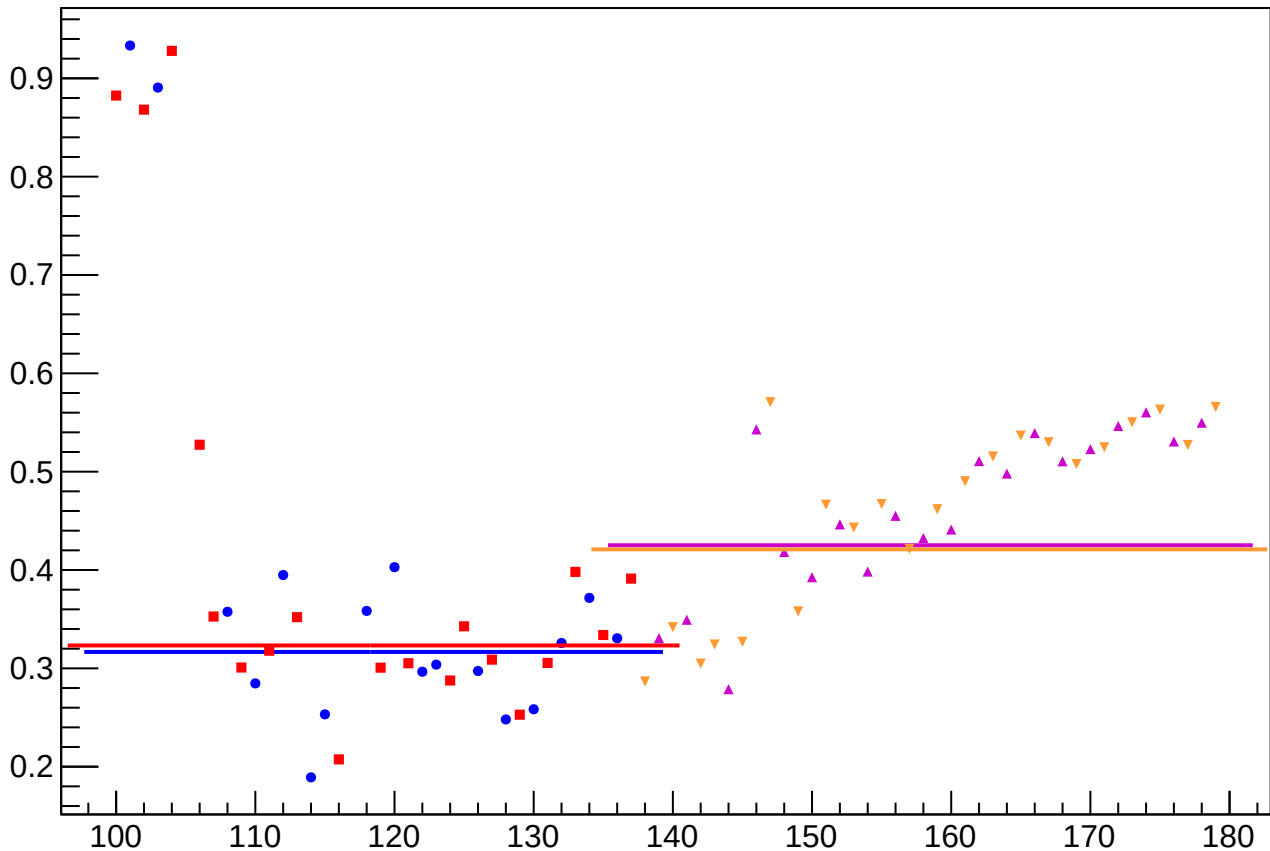
- sign 0.385 $\pm$ 0.000 χ^2 /NDF: 3225570.9/38

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: 146.346+/-0.000	χ^2/NDF : 9431242281.3
Right Out: 144.719+/-0.000	χ^2/NDF : 4473225884.5/18	- sign 146.344+/-0.000	χ^2/NDF : 5068570584.6/38
Left In: 147.481+/-0.000	χ^2/NDF : 343808446.8/19		

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

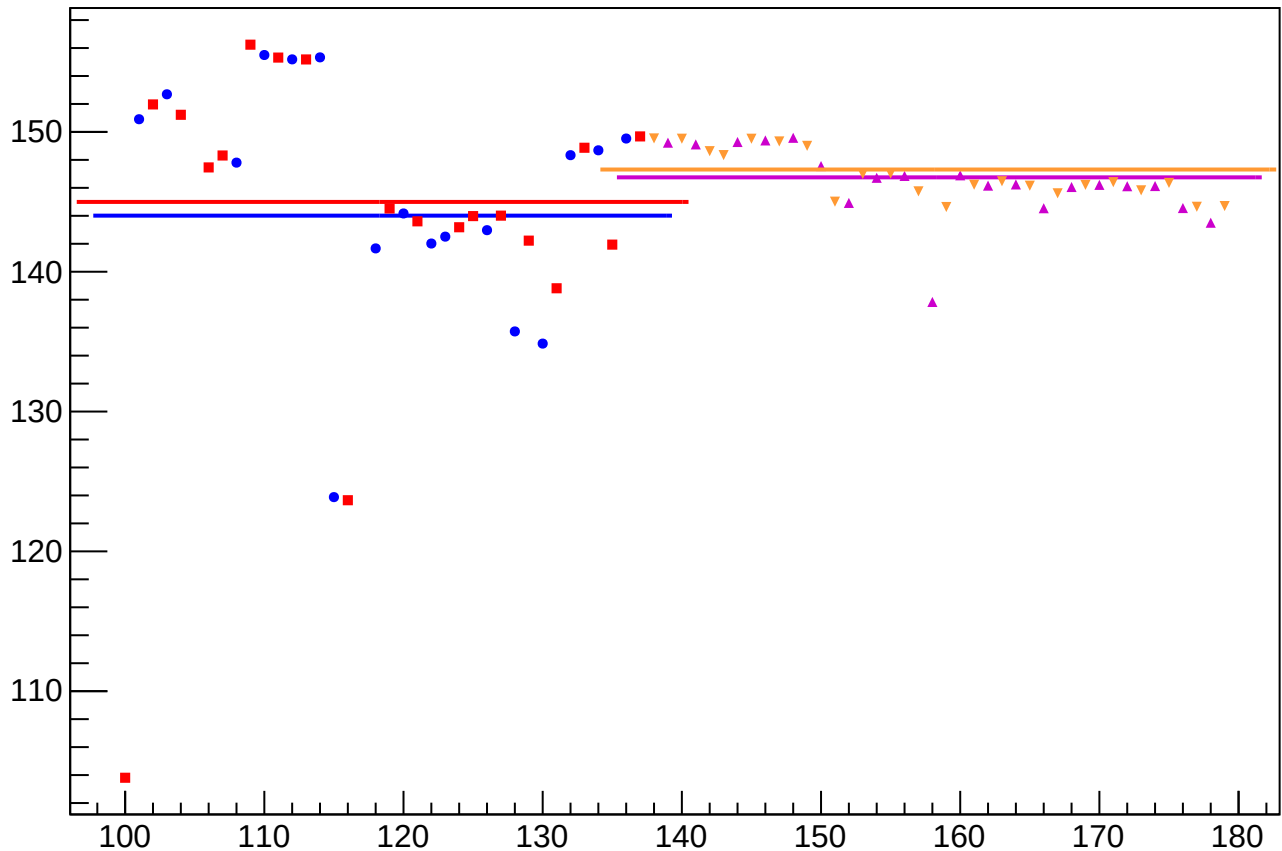
Left In: 0.425 ± 0.000 χ^2/NDF : 1268175.3/19

+ sign 0.380 ± 0.000 χ^2/NDF : 3612654.2/38

All: 0.382 ± 0.000 χ^2/NDF : 6789054.0/77

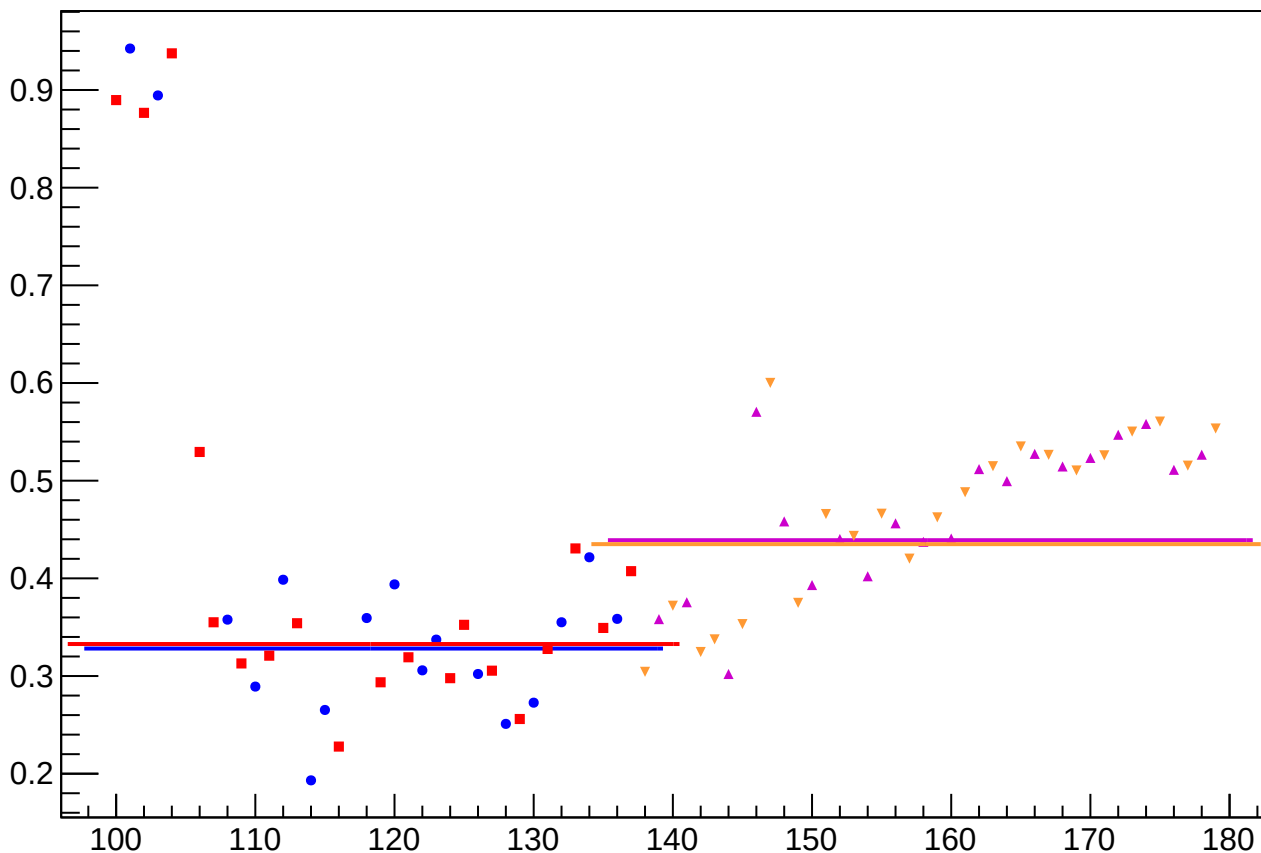
- sign 0.383 ± 0.000 χ^2/NDF : 3175225.6/38

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: 146.034 $\pm$ 0.000	χ^2 /NDF: 8339729695.7
Right Out: 144.994 $\pm$ 0.000	χ^2 /NDF: 3852381452.1/18	- sign 146.029 $\pm$ 0.000	χ^2 /NDF: 4503120678.9/38
Left In: 146.751 $\pm$ 0.000	χ^2 /NDF: 554615152.3/19		

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

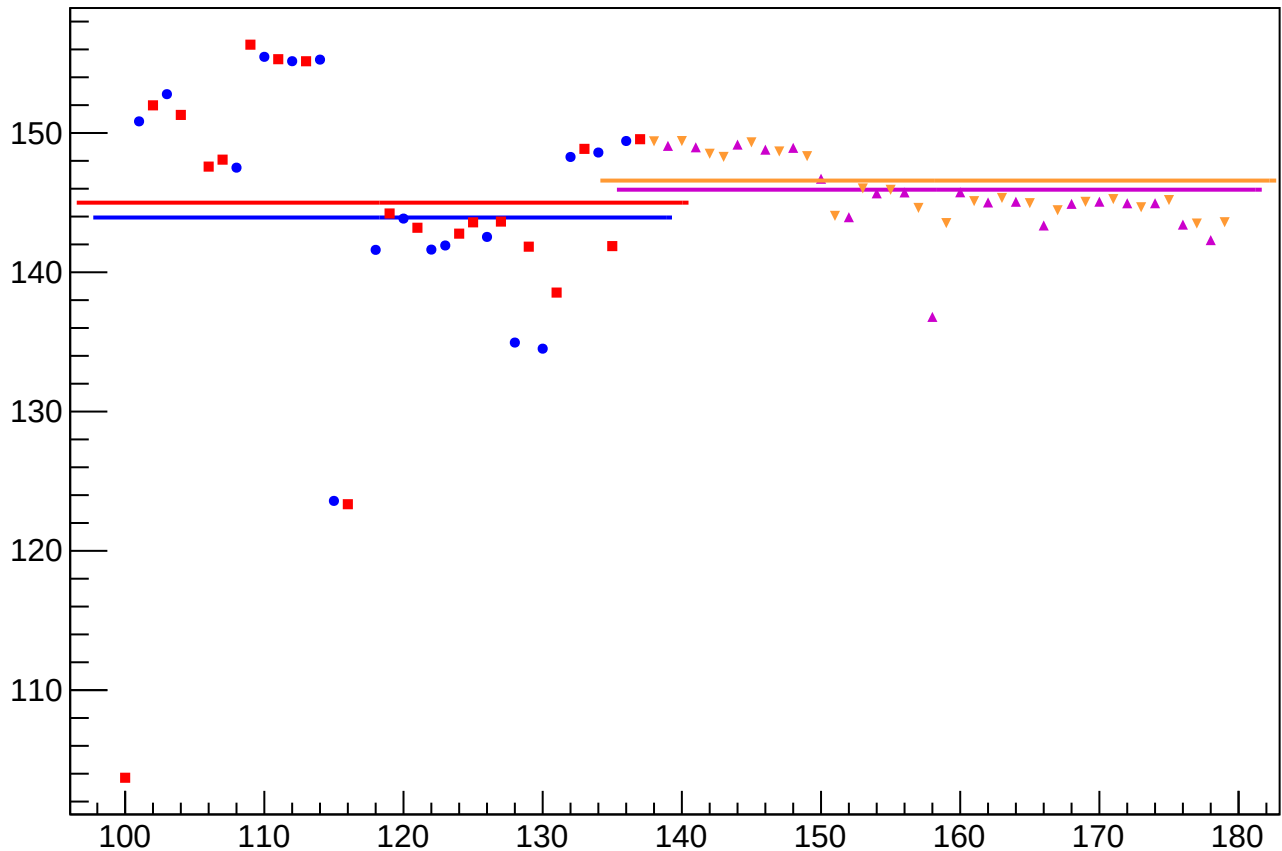
Left In: 0.439 ± 0.000 χ^2/NDF : 930842.7/19

+ sign 0.394 ± 0.000 χ^2/NDF : 3213709.1/38

All: 0.395 ± 0.000 χ^2/NDF : 6033584.1/77

- sign 0.395 ± 0.000 χ^2/NDF : 2819520.0/38

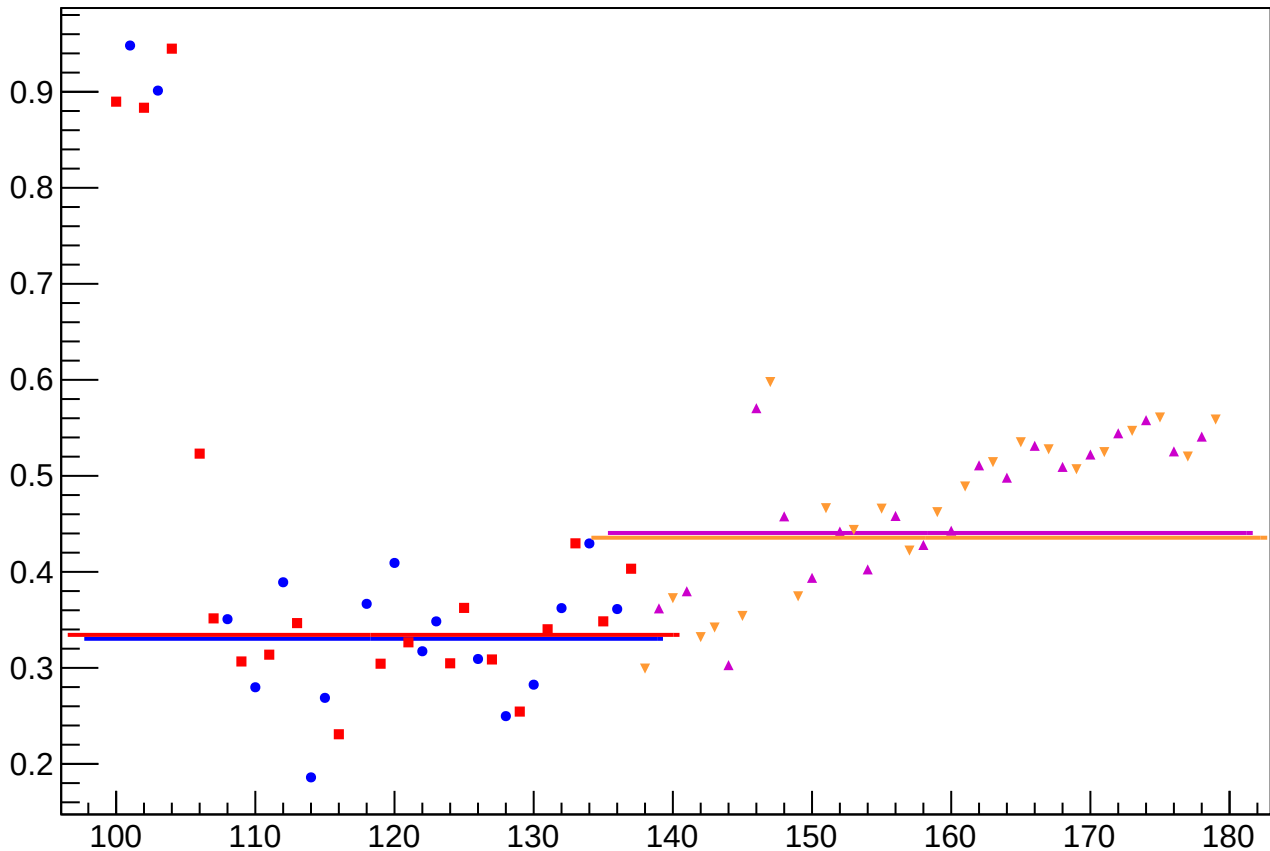
yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 ± 0.000 χ^2/NDF : 3383012861.2/16
 Left Out: 146.584 ± 0.000 χ^2/NDF : 382944114.1/21
 Right Out: 144.998 ± 0.000 χ^2/NDF : 3932958476.0/18
 Left In: 145.929 ± 0.000 χ^2/NDF : 687781923.2/19

+ sign 145.569 ± 0.000 χ^2/NDF : 3984973943.9/38
 All: 145.559 ± 0.000 χ^2/NDF : 8632463995.2
 - sign 145.548 ± 0.000 χ^2/NDF : 4647459023.6/38

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.436 $\pm$ 0.000 χ^2 /NDF:1224438.5/21

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1174012.0/18

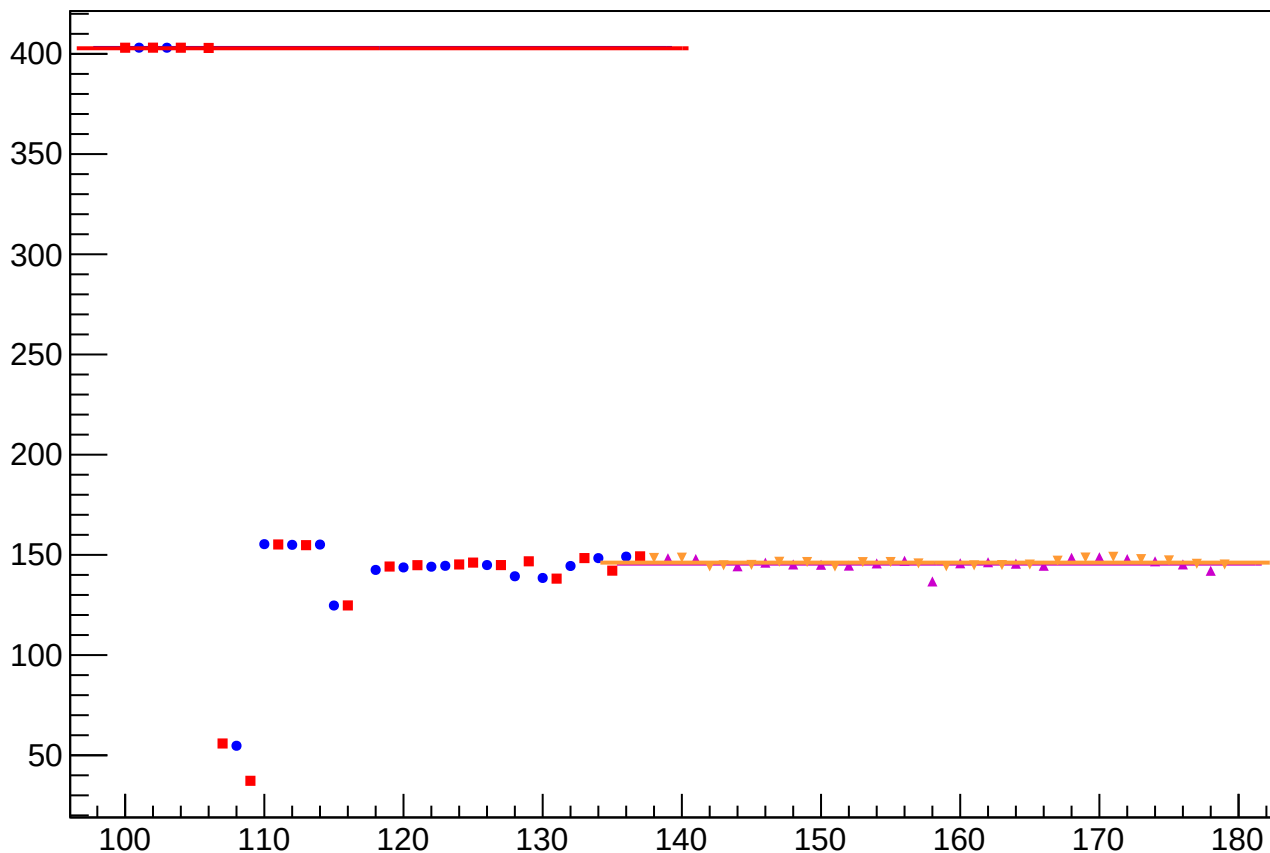
Left In: 0.441 $\pm$ 0.000 χ^2 /NDF:923516.5/19

+ sign 0.395 $\pm$ 0.000 χ^2 /NDF: 3198553.5/38

All: 0.396 $\pm$ 0.000 χ^2 /NDF: 5991006.6/77

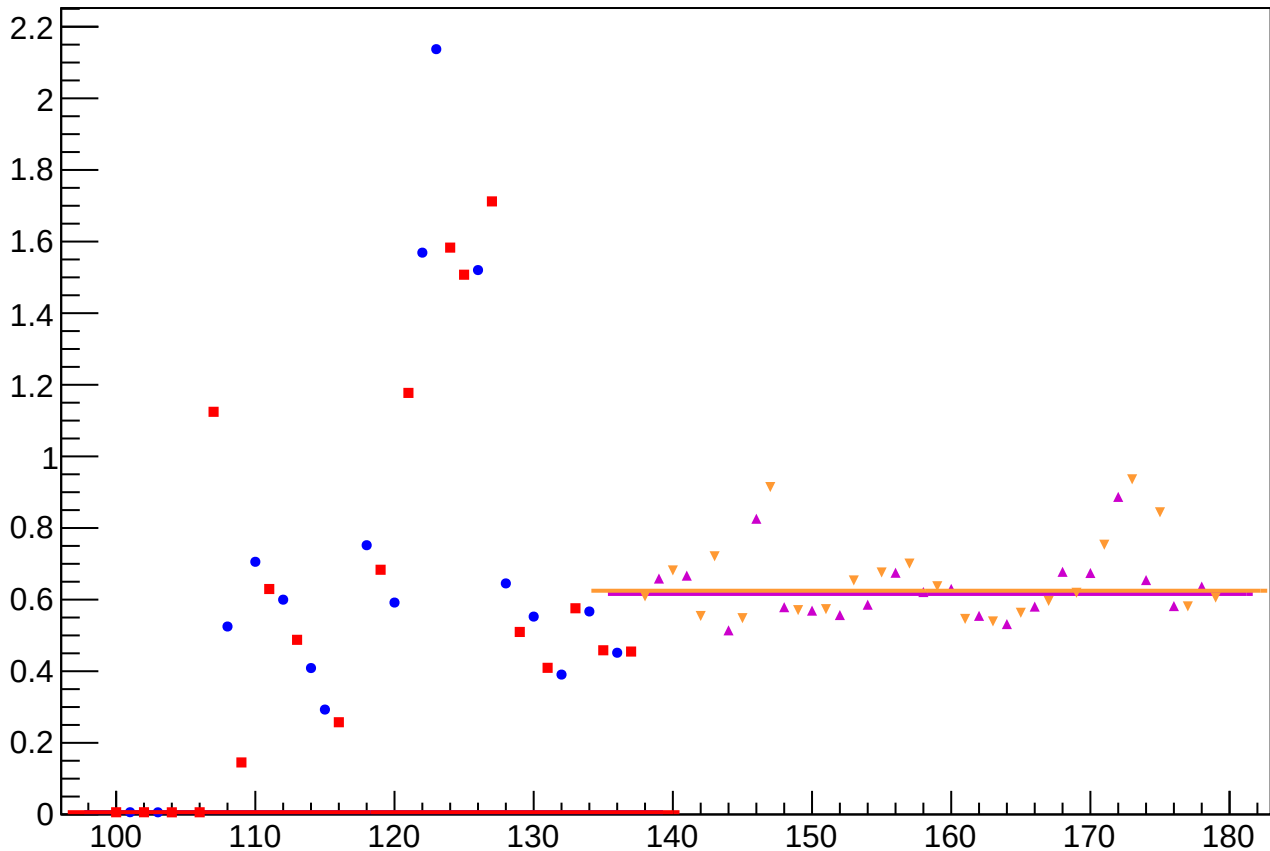
- sign 0.397 $\pm$ 0.000 χ^2 /NDF: 2792051.2/38

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16
 Left Out: 146.134+/-0.000 χ^2/NDF : 77330225.9/21
 Right Out: 402.799+/-0.000 χ^2/NDF : 3102036567767.5/18
 Left In: 145.623+/-0.000 χ^2/NDF : 193226383.4/19
 + sign 402.688+/-0.000 χ^2/NDF : 3247377916070.6
 All: 402.625+/-0.000 χ^2/NDF : 84304427001.1
 - sign 402.569+/-0.000 χ^2/NDF : 5182829843205.2/

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.625+/-0.000 χ^2/NDF : 559973.5/21

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

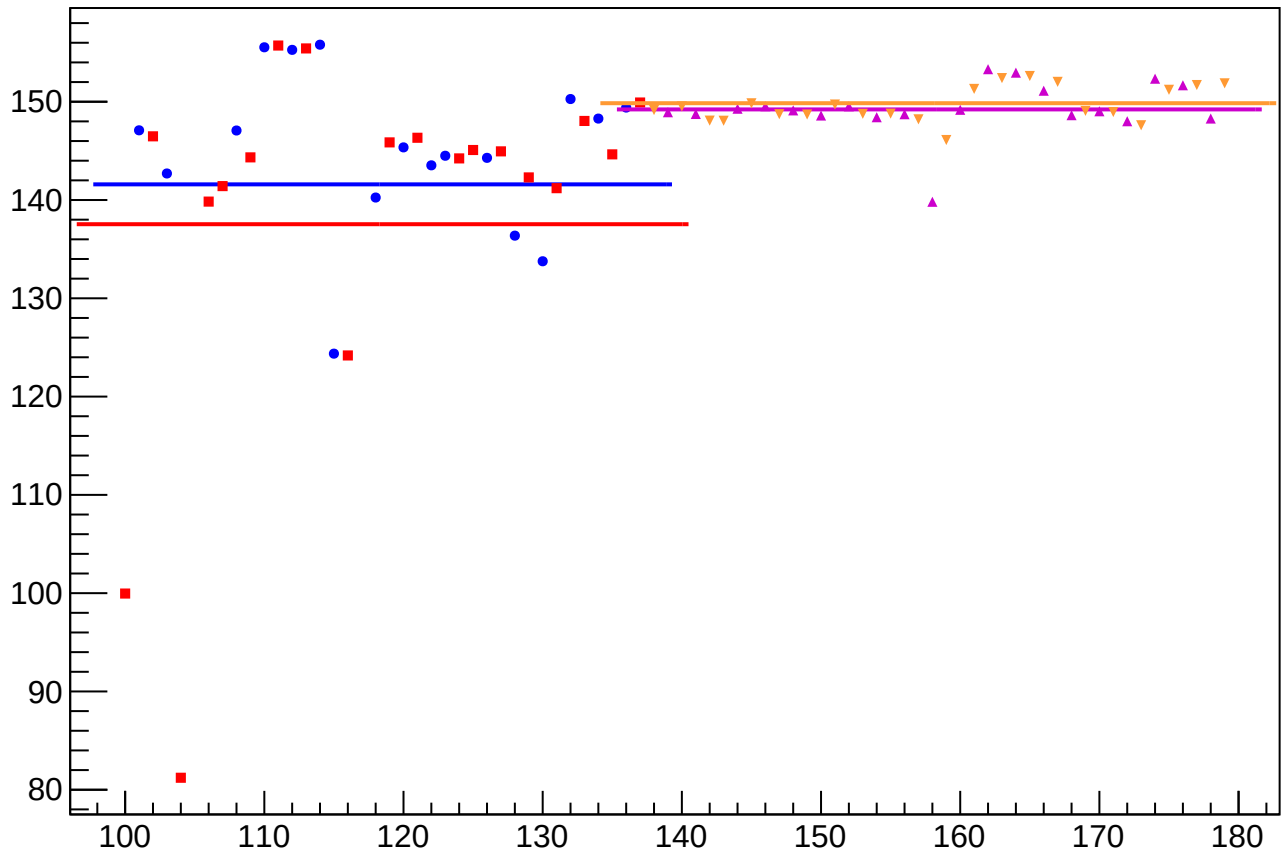
Left In: 0.616+/-0.000 χ^2/NDF : 356943.5/19

+ sign 0.007+/-0.000 χ^2/NDF : 34612298.3/38

All: 0.007+/-0.000 χ^2/NDF : 67537742.1/77

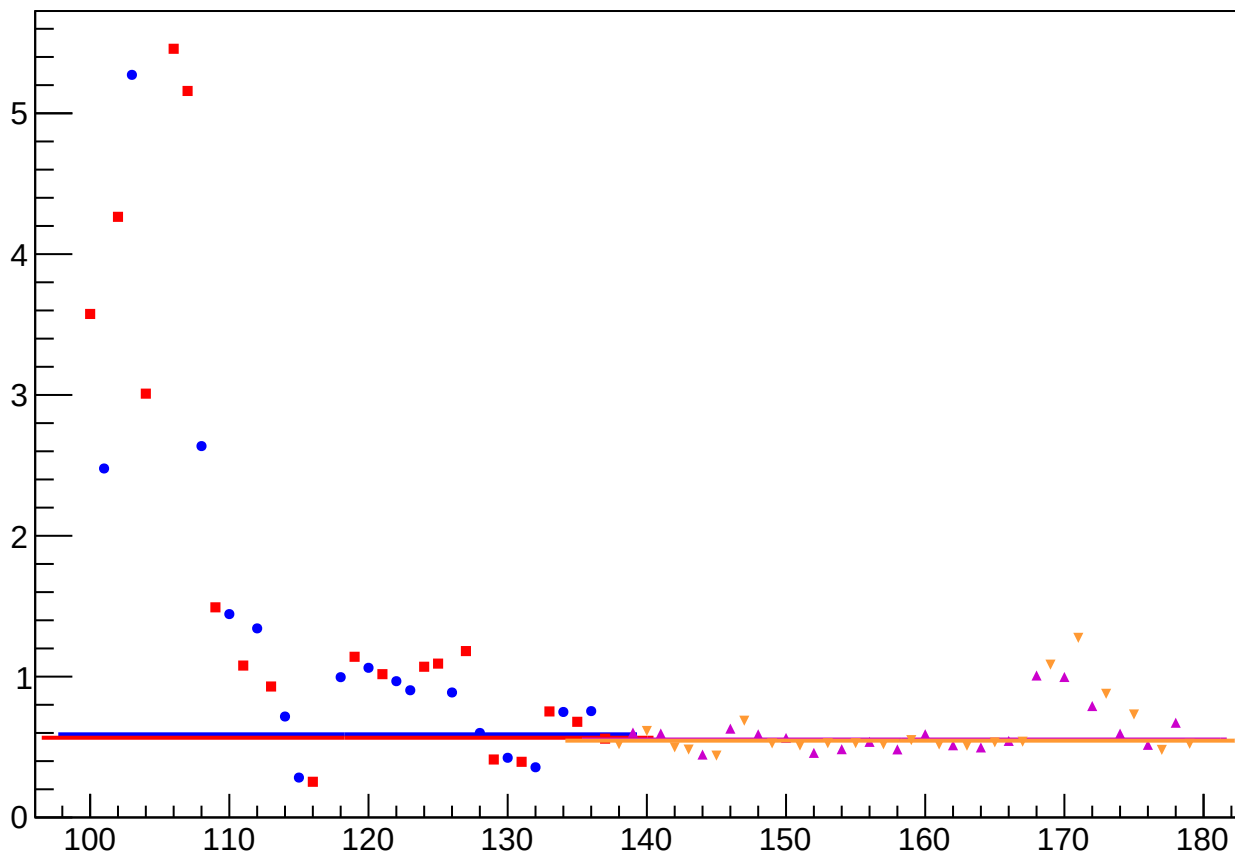
- sign 0.007+/-0.000 χ^2/NDF : 32925008.5/38

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: 149.218 ± 0.000 χ^2/NDF : 405800261.5/19
 All: 147.702 ± 0.000 χ^2/NDF : 4651451465.0
 + sign 148.416 ± 0.000 χ^2/NDF : 1702016666.5/38
 - sign 146.942 ± 0.000 χ^2/NDF : 2888321770.5/38

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

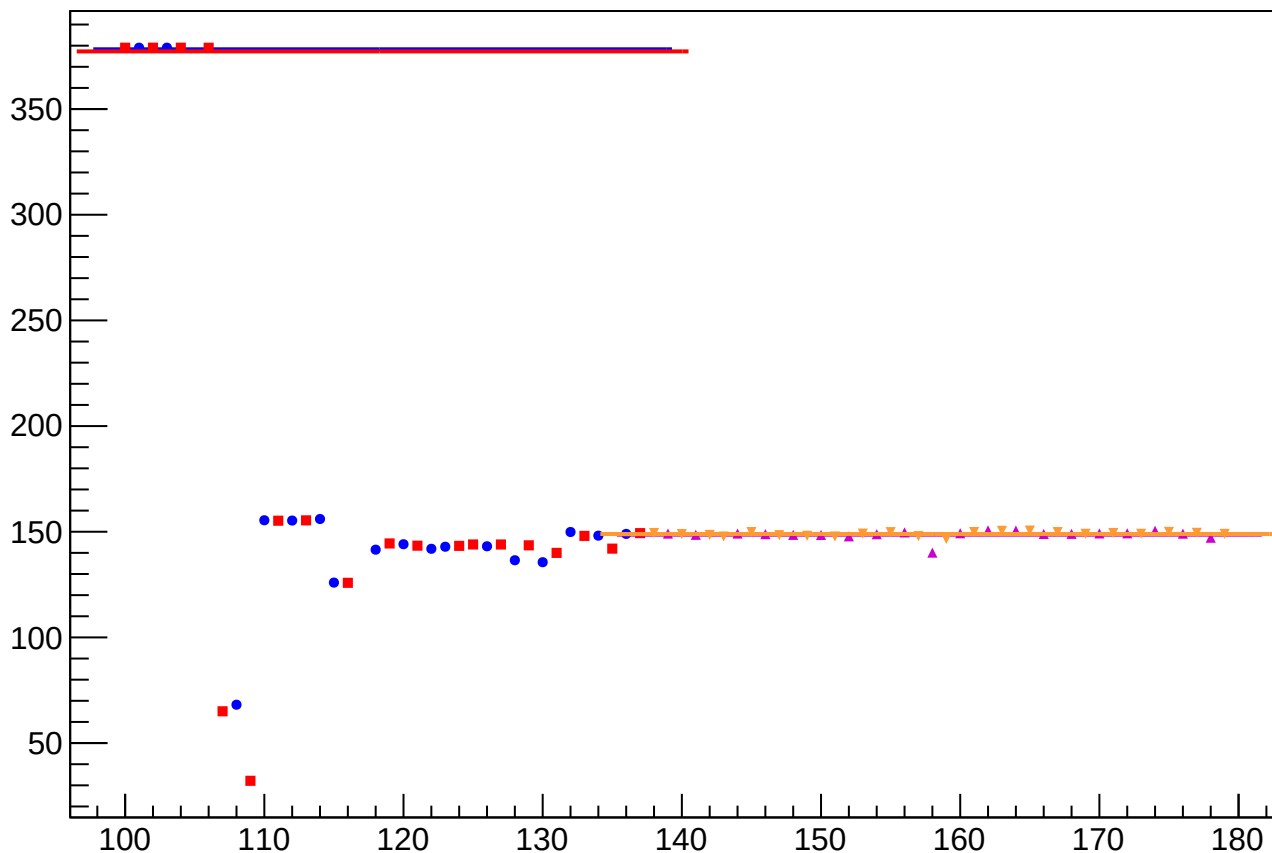
Left In: 0.553 $\pm$ 0.000 χ^2 /NDF:1020867.0/19

+ sign 0.553 $\pm$ 0.000 χ^2 /NDF: 4871086.0/38

All: 0.554 $\pm$ 0.000 χ^2 /NDF: 10578692.5/77

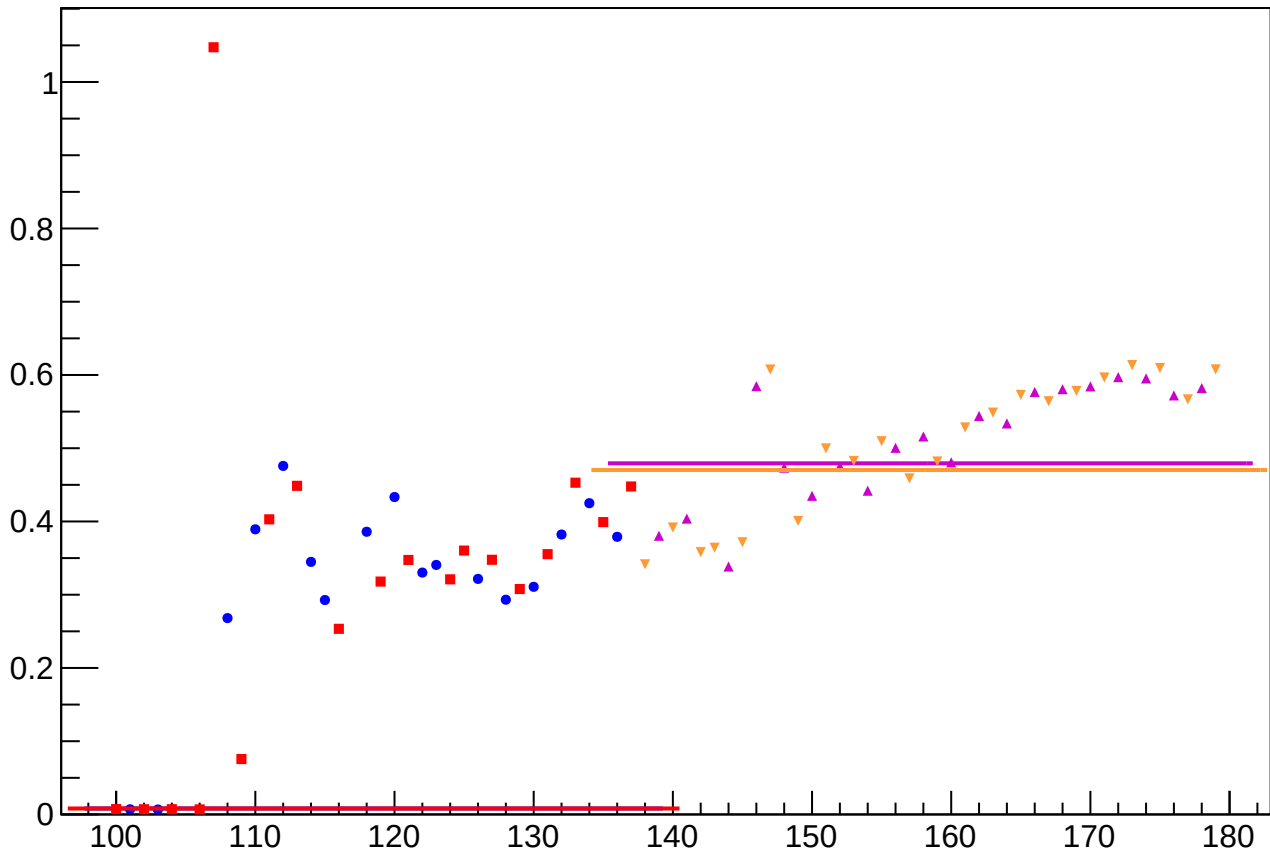
- sign 0.556 $\pm$ 0.000 χ^2 /NDF: 5707182.0/38

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: 148.622+/-0.000 χ^2/NDF : 248455542.5/19

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

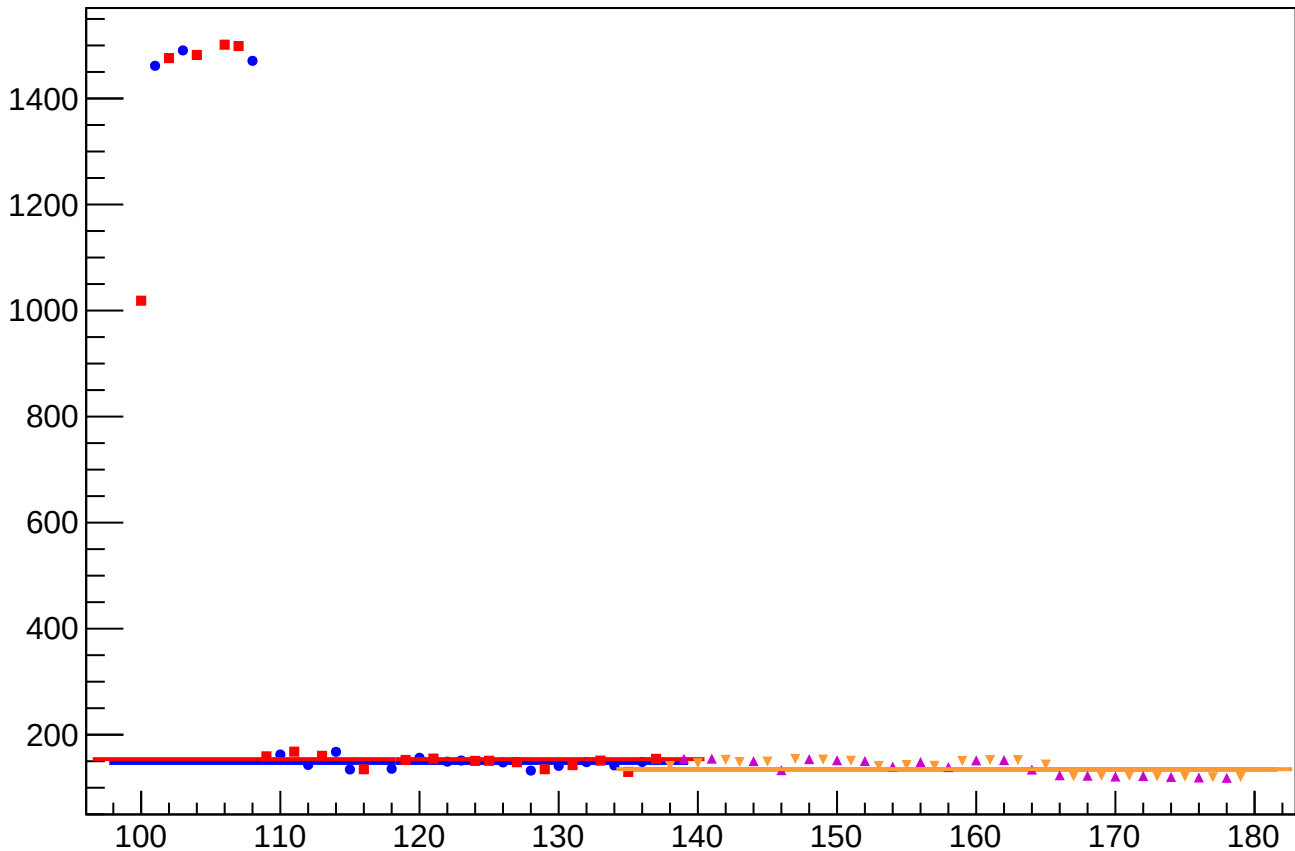
Left In: 0.479 $\pm$ 0.000 χ^2 /NDF: 900048.4/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 40912709.8/38

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 79636682.5/77

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 38721410.4/38

yield_bcm0l02_mean vs Slug



Right In: 146.819 $\pm$ 0.000 χ^2 /NDF: 24360774977.7/16

Left Out: 135.005 $\pm$ 0.000 χ^2 /NDF: 4017528005.9/21

Right Out: 153.901 $\pm$ 0.000 χ^2 /NDF: 33737565970.8/18

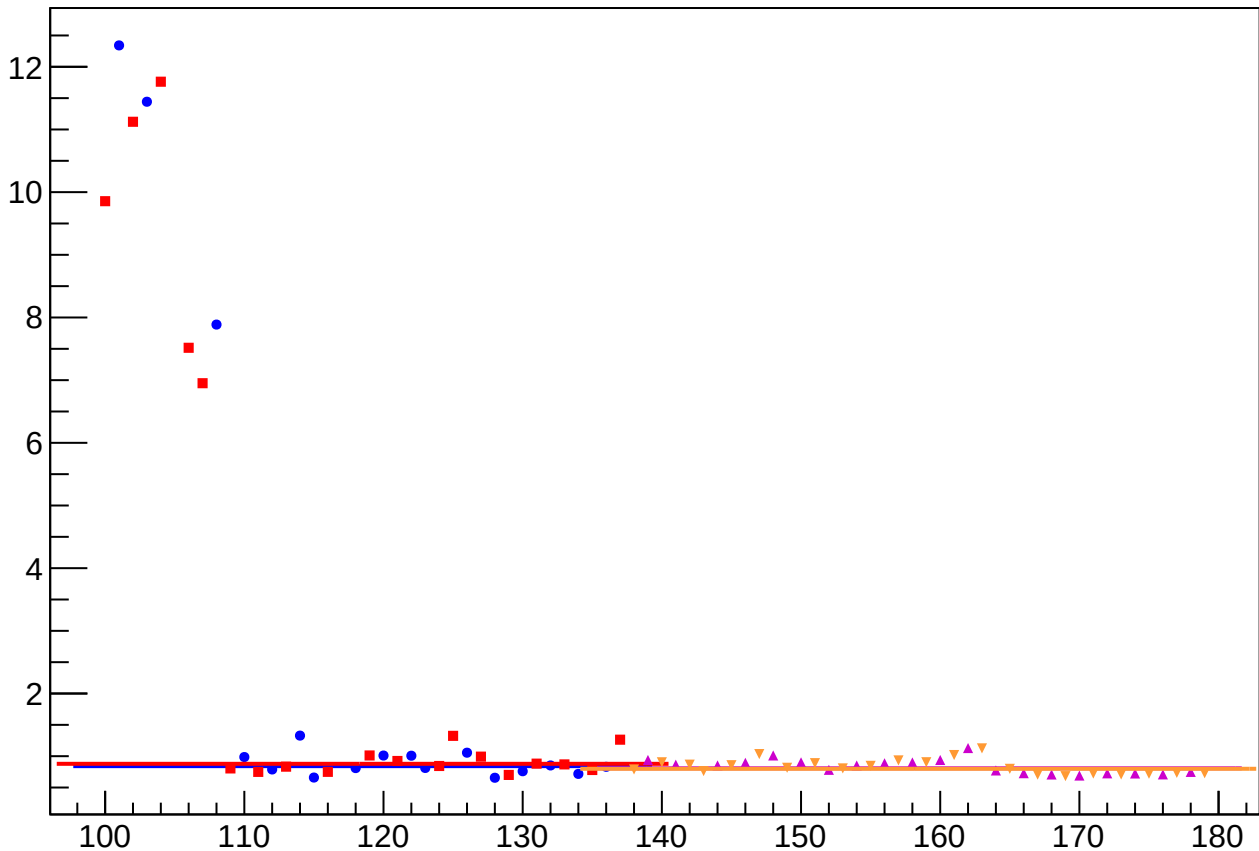
Left In: 134.474 $\pm$ 0.000 χ^2 /NDF: 3983601532.6/19

+ sign 137.318 $\pm$ 0.000 χ^2 /NDF: 28975869848.9/38

All: 137.888 $\pm$ 0.000 χ^2 /NDF: 68297939755.0

- sign 138.495 $\pm$ 0.000 χ^2 /NDF: 39303821012.3/38

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

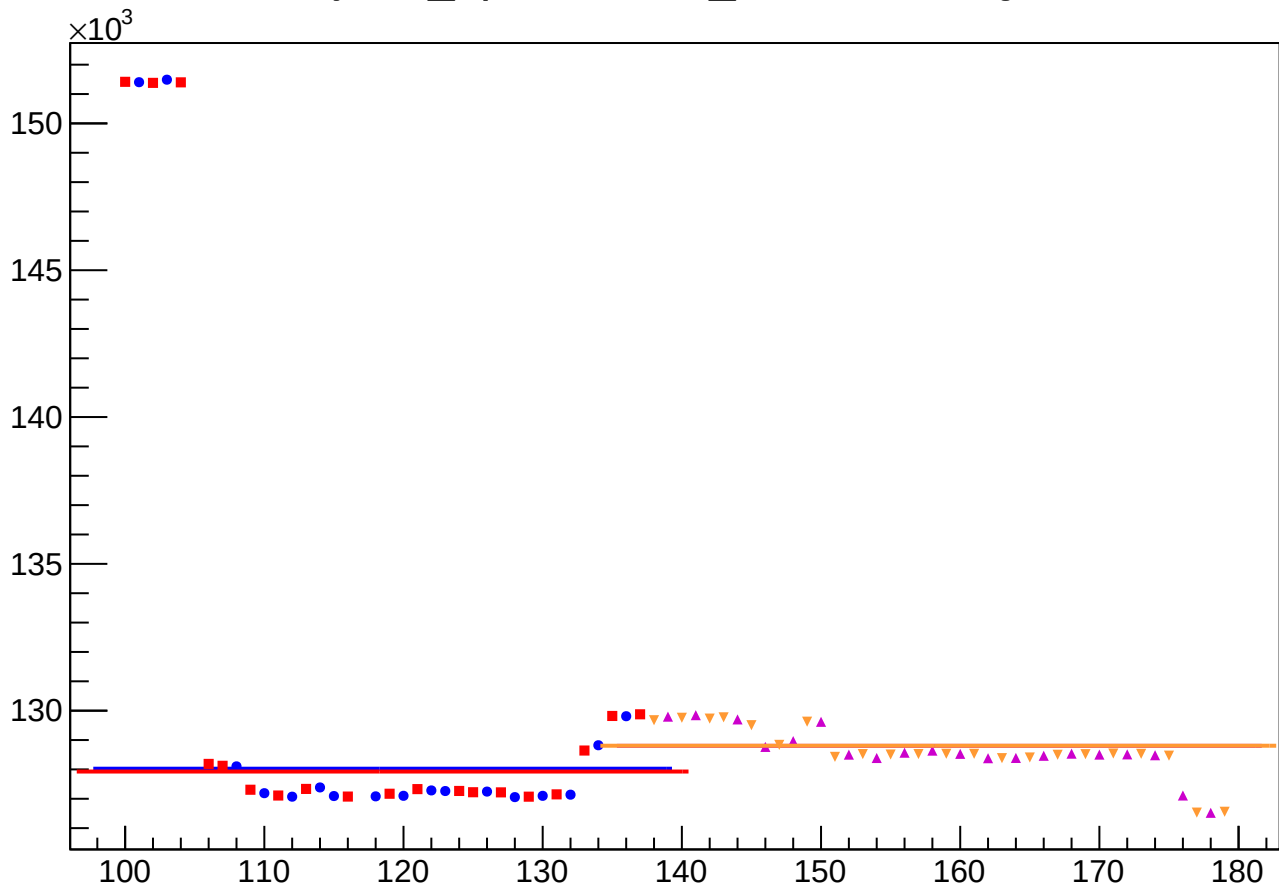
Left In: 0.807 ± 0.000 χ^2/NDF : 442985.0/19

+ sign 0.807 ± 0.000 χ^2/NDF : 3169765.5/38

All: 0.814 ± 0.000 χ^2/NDF : 6475692.6/77

- sign 0.822 ± 0.000 χ^2/NDF : 3300526.7/38

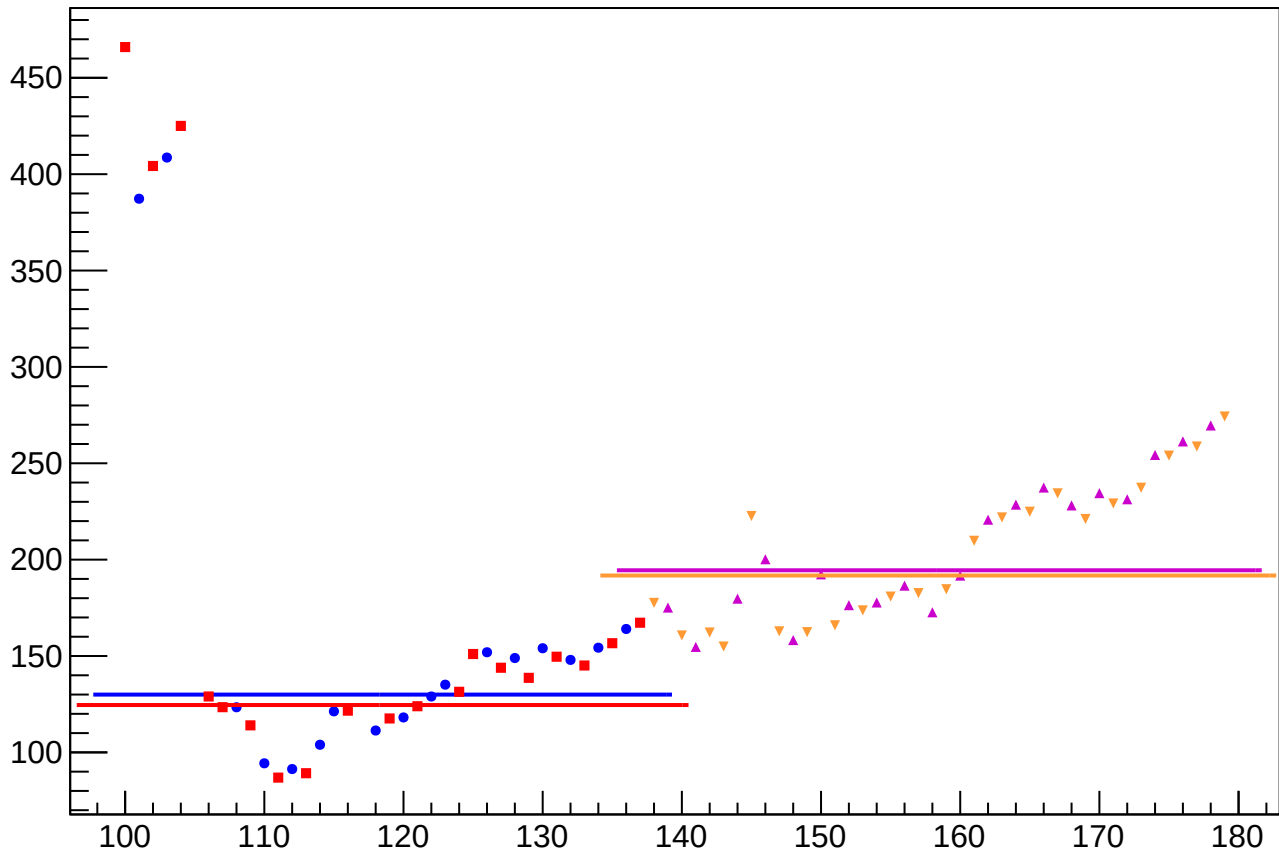
yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128806.299 $\pm$ 0.048 χ^2 /NDF: 248400922.2/21
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128800.805 $\pm$ 0.050 χ^2 /NDF: 206354156.5/19

+ sign 128465.227 $\pm$ 0.036 χ^2 /NDF: 4681182243.2
 All: 128414.885 $\pm$ 0.025 χ^2 /NDF: 880930573
 - sign 128365.790 $\pm$ 0.036 χ^2 /NDF: 4124261001.3

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

Right Out: 124.566 $\pm$ 0.036 χ^2 /NDF: 1531273.9/18

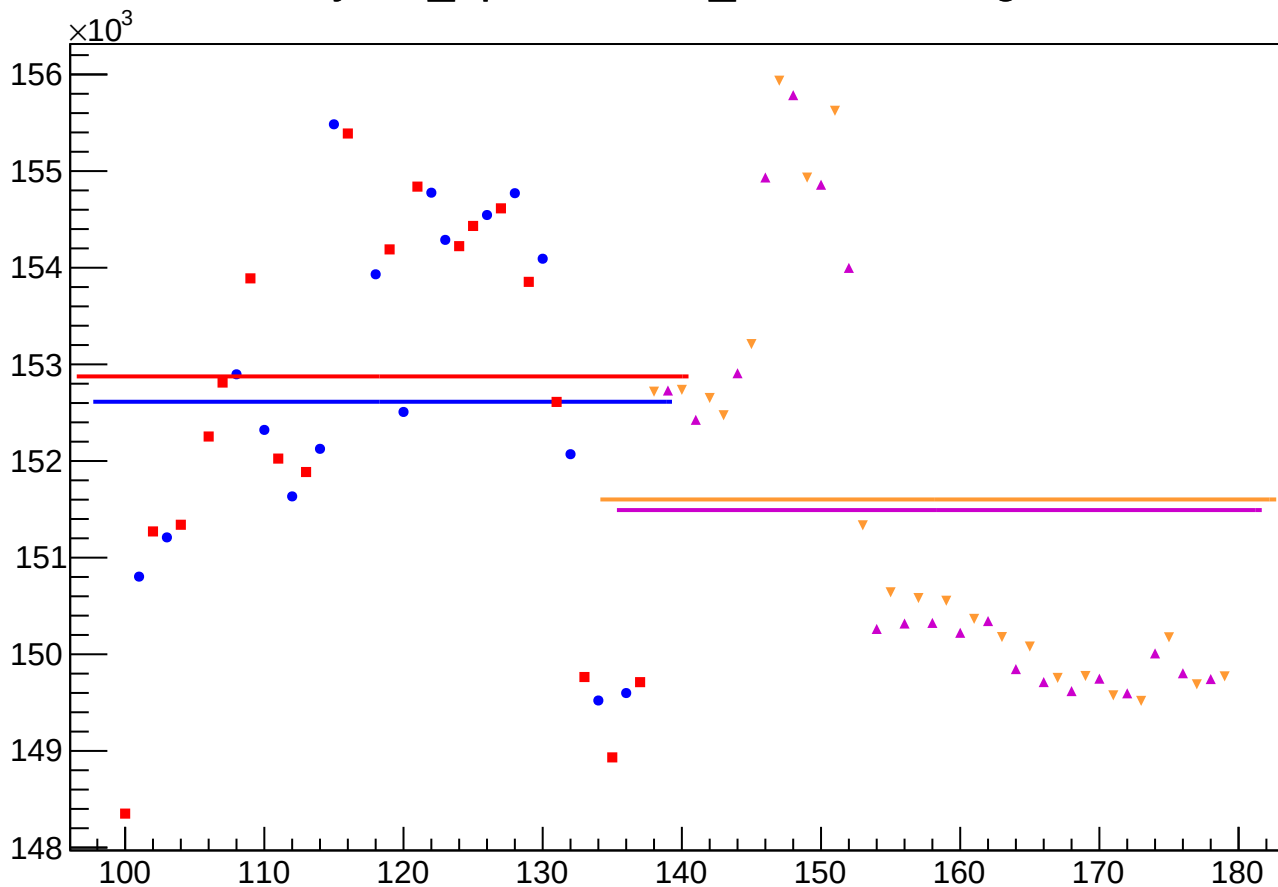
Left In: 194.485 $\pm$ 0.035 χ^2 /NDF: 794099.5/19

+ sign 164.845 $\pm$ 0.025 χ^2 /NDF: 3887887.6/38

All: 162.219 $\pm$ 0.018 χ^2 /NDF: 8168168.4/77

- sign 159.658 $\pm$ 0.025 χ^2 /NDF: 4259263.5/38

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 ± 0.072 $\chi^2/NDF: 623356098.4/16$

Left Out: 151602.120 ± 0.051 $\chi^2/NDF: 1375465003.2/21$

Right Out: 152875.313 ± 0.066 $\chi^2/NDF: 716358700.9/18$

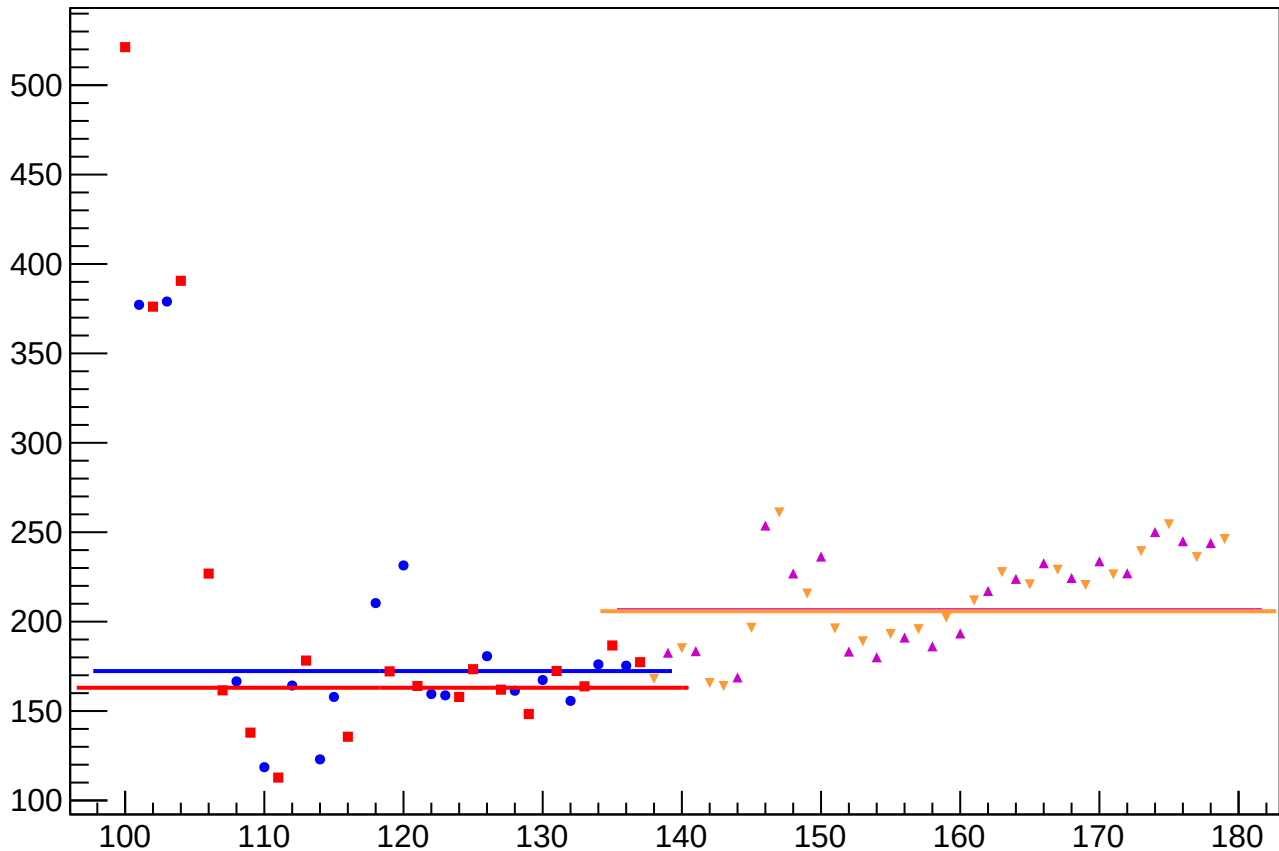
Left In: 151492.270 ± 0.053 $\chi^2/NDF: 1336554167.2/19$

+ sign 151940.232 ± 0.042 $\chi^2/NDF: 2129085161.8/16$

All: 151987.462 ± 0.029 $\chi^2/NDF: 445010742.1/16$

- sign 152033.867 ± 0.041 $\chi^2/NDF: 2318490134.5/16$

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 χ^2/NDF : 921911.1/16

Left Out: 205.816 ± 0.036 χ^2/NDF : 542143.8/21

Right Out: 163.029 ± 0.047 χ^2/NDF : 1032736.0/18

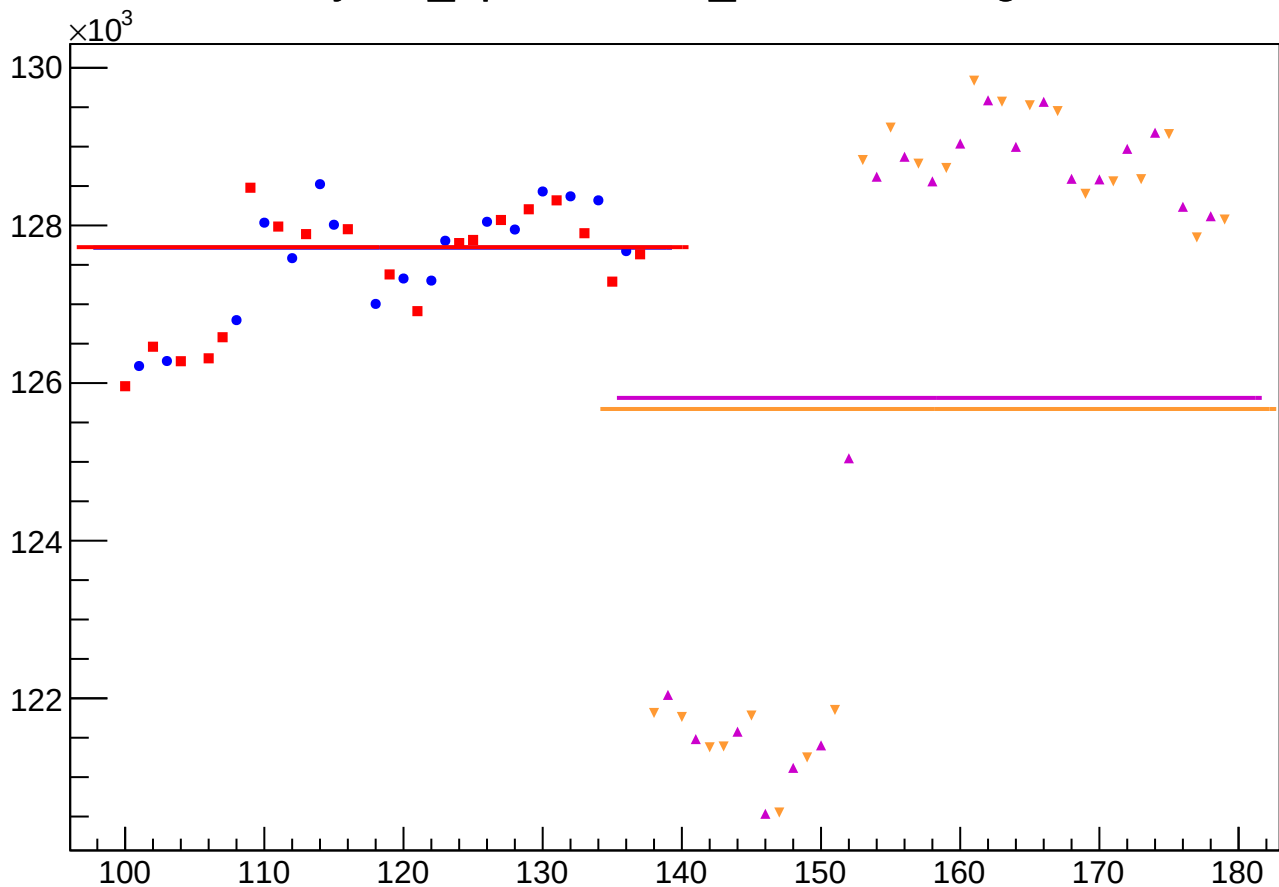
Left In: 206.402 ± 0.038 χ^2/NDF : 517334.7/19

+ sign 194.624 ± 0.030 χ^2/NDF : 1749498.4/38

All: 191.998 ± 0.021 χ^2/NDF : 3837595.6/77

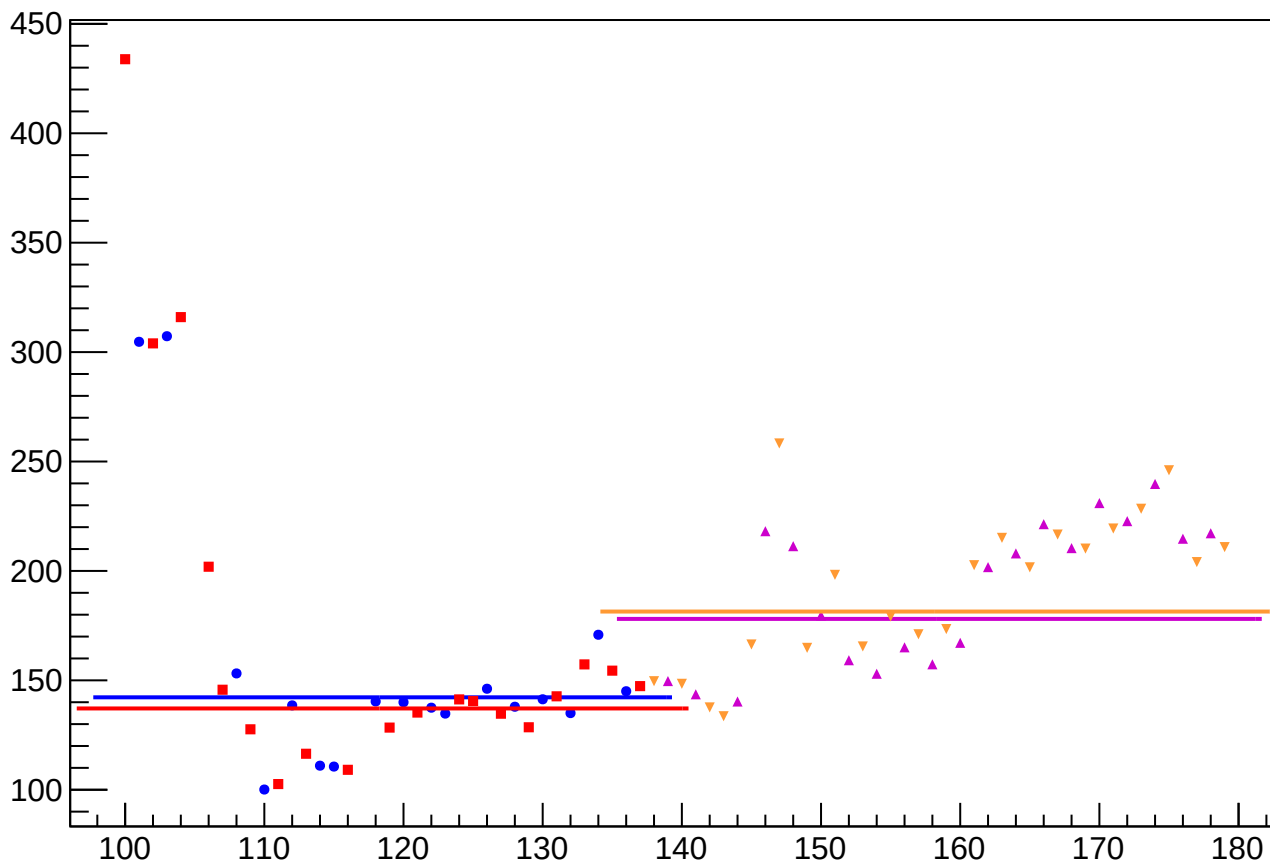
- sign 189.417 ± 0.029 χ^2/NDF : 2072438.6/38

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16
 Left Out: 125671.249 $\pm$ 0.046 χ^2 /NDF: 6470862864.4/21
 Right Out: 127724.519 $\pm$ 0.055 χ^2 /NDF: 112550604.4/18
 Left In: 125811.899 $\pm$ 0.046 χ^2 /NDF: 5705849777.7/19
 + sign 126449.655 $\pm$ 0.036 χ^2 /NDF: 7330110901.5
 All: 126532.808 $\pm$ 0.025 χ^2 /NDF: 138742232
 - sign 126612.933 $\pm$ 0.035 χ^2 /NDF: 6533604143.1

yield_bpm0l01WS_rms vs Slug



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 181.440+/-0.032 χ^2/NDF : 996247.8/21

Right Out: 137.151+/-0.039 χ^2/NDF : 957730.8/18

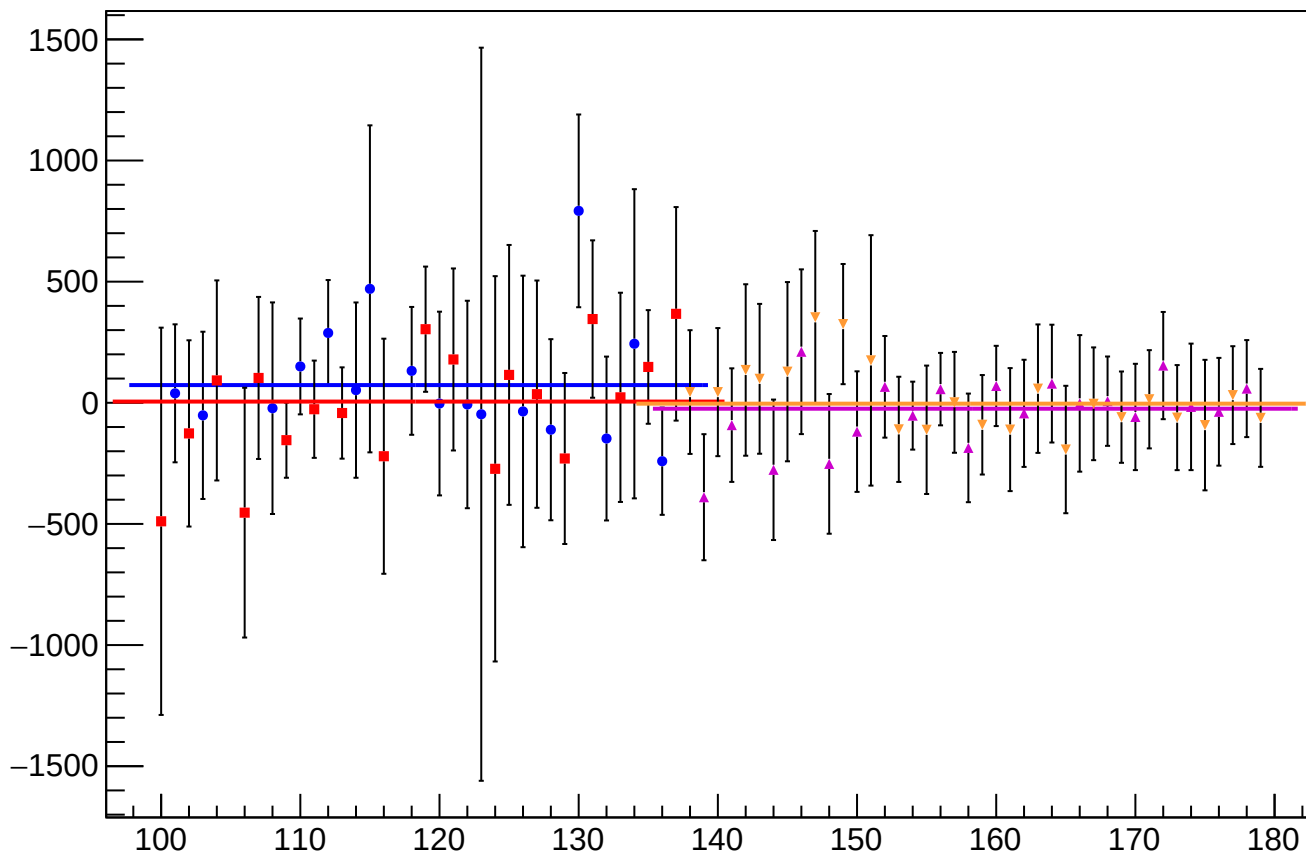
Left In: 178.074+/-0.033 χ^2/NDF : 935525.7/19

+ sign 166.531+/-0.025 χ^2/NDF : 2393253.6/38

All: 163.681+/-0.018 χ^2/NDF : 4966022.7/77

- sign 160.935+/-0.025 χ^2/NDF : 2548080.3/38

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

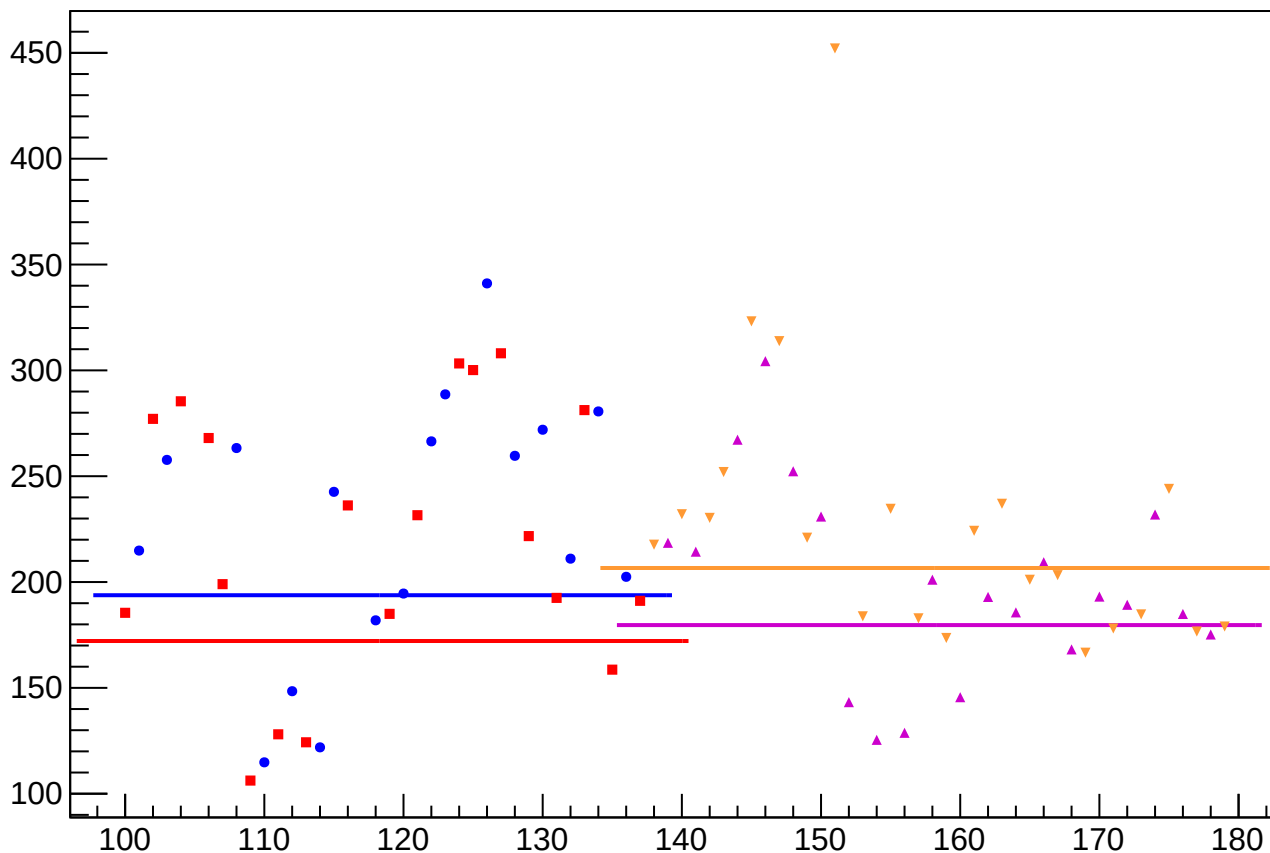
Left In: -24.488+/-47.850 χ^2/NDF : 6.5/19

+ sign 19.548+/-43.749 χ^2/NDF : 13.6/38

All: 0.464+/-29.326 χ^2/NDF : 27.6/77

- sign -15.109+/-39.520 χ^2/NDF : 13.7/38

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 ± 0.056 $\chi^2/\text{NDF}: 1017081.7/16$

Left Out: 206.635 ± 0.037 $\chi^2/\text{NDF}: 1340913.0/21$

Right Out: 172.142 ± 0.050 $\chi^2/\text{NDF}: 1580035.1/18$

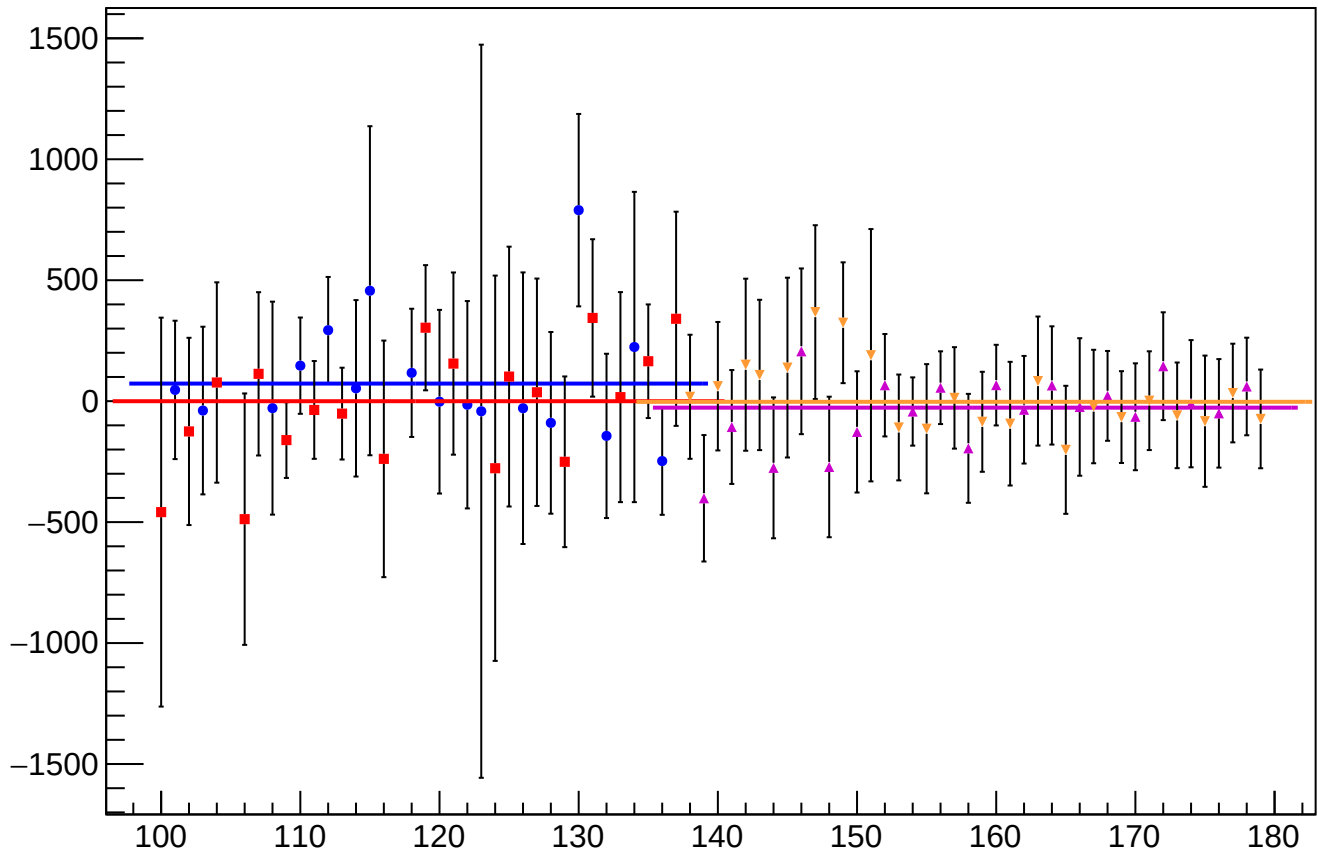
Left In: 179.665 ± 0.034 $\chi^2/\text{NDF}: 1577638.4/19$

+ sign 202.750 ± 0.031 $\chi^2/\text{NDF}: 2394439.2/38$

All: 188.721 ± 0.021 $\chi^2/\text{NDF}: 5941291.9/77$

- sign 177.274 ± 0.028 $\chi^2/\text{NDF}: 3173386.2/38$

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: -2.671+/-52.732 χ^2/NDF : 5.2/21

Right Out: -0.181+/-70.467 χ^2/NDF : 7.3/18

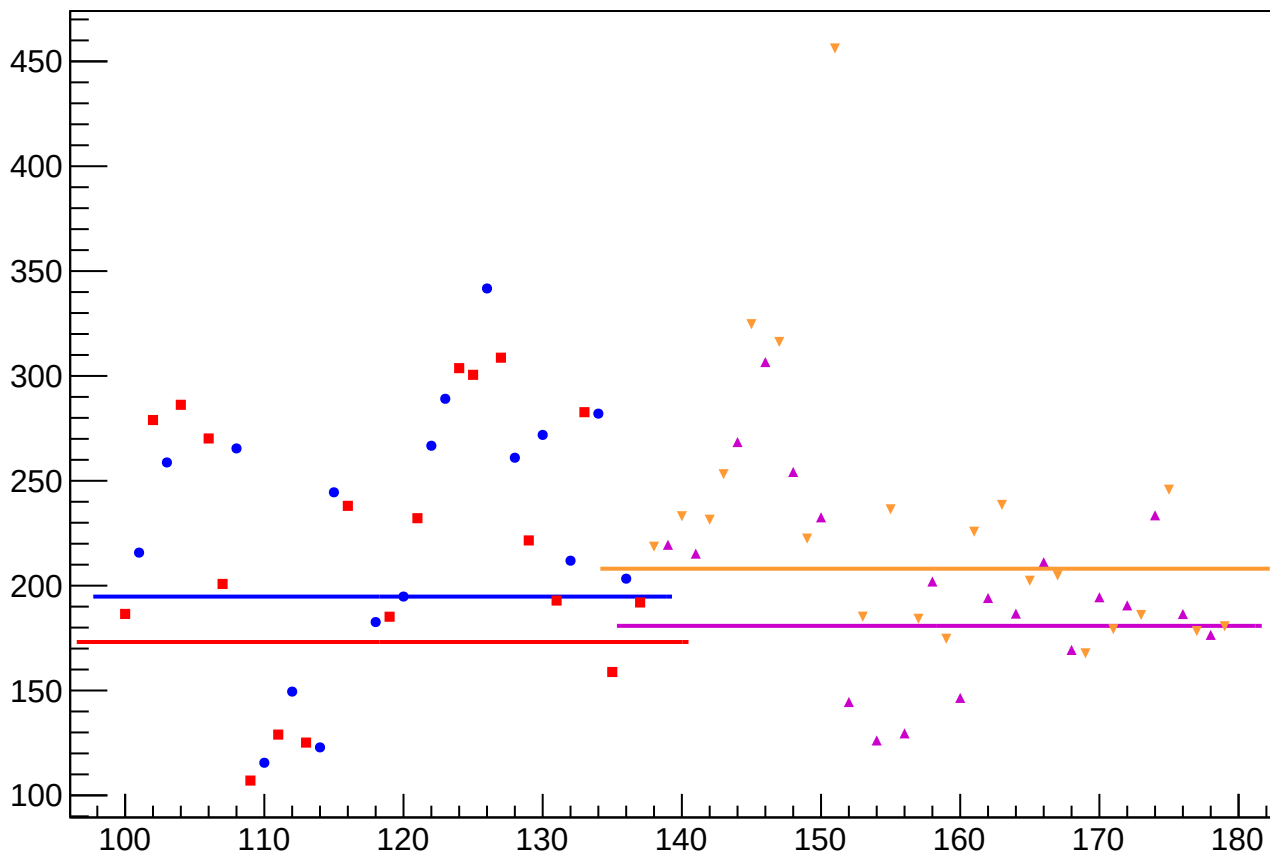
Left In: -26.873+/-48.161 χ^2/NDF : 6.6/19

+ sign 20.153+/-44.026 χ^2/NDF : 13.6/38

All: -1.067+/-29.508 χ^2/NDF : 28.0/77

- sign -18.375+/-39.761 χ^2/NDF : 14.0/38

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 ± 0.057 $\chi^2/\text{NDF}: 1008292.8/16$

Left Out: 208.087 ± 0.037 $\chi^2/\text{NDF}: 1336587.7/21$

Right Out: 173.131 ± 0.050 $\chi^2/\text{NDF}: 1567556.0/18$

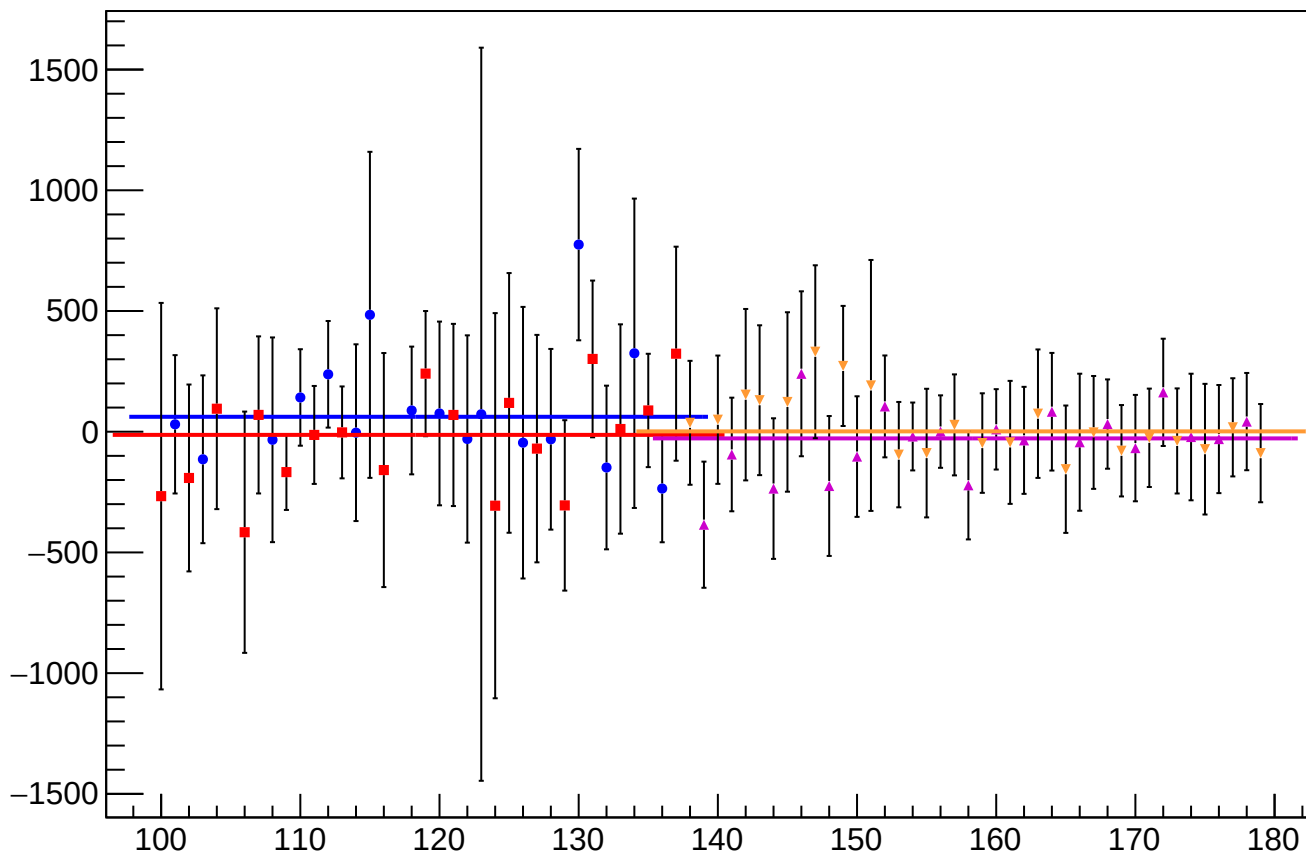
Left In: 180.827 ± 0.034 $\chi^2/\text{NDF}: 1576984.9/19$

+ sign 204.057 ± 0.031 $\chi^2/\text{NDF}: 2383448.8/38$

All: 189.913 ± 0.021 $\chi^2/\text{NDF}: 5919008.0/77$

- sign 178.377 ± 0.028 $\chi^2/\text{NDF}: 3160801.6/38$

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

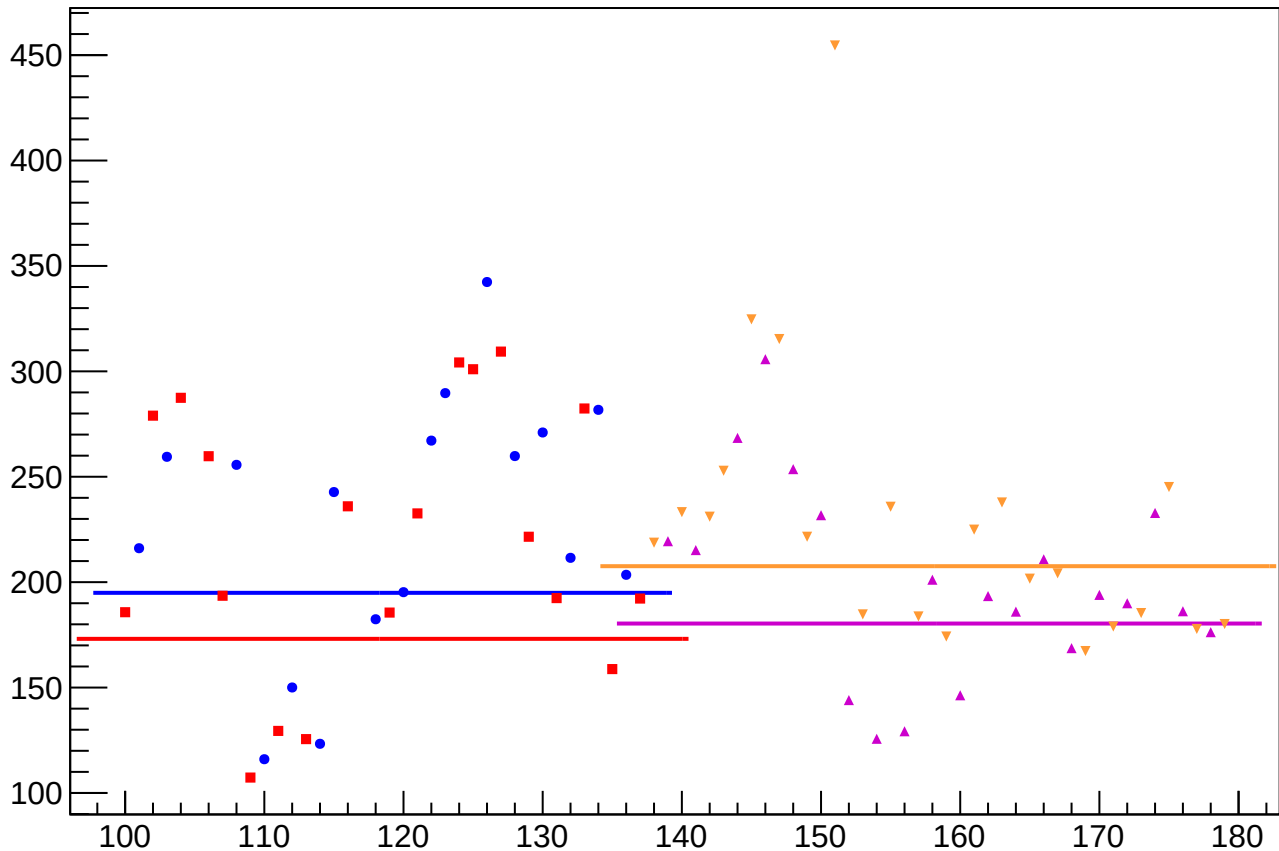
Left In: -27.704 ± 48.040 χ^2/NDF : 6.1/19

+ sign 19.645 ± 43.951 χ^2/NDF : 11.7/38

All: -3.885 ± 29.452 χ^2/NDF : 24.1/77

- sign -23.064 ± 39.680 χ^2/NDF : 11.9/38

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

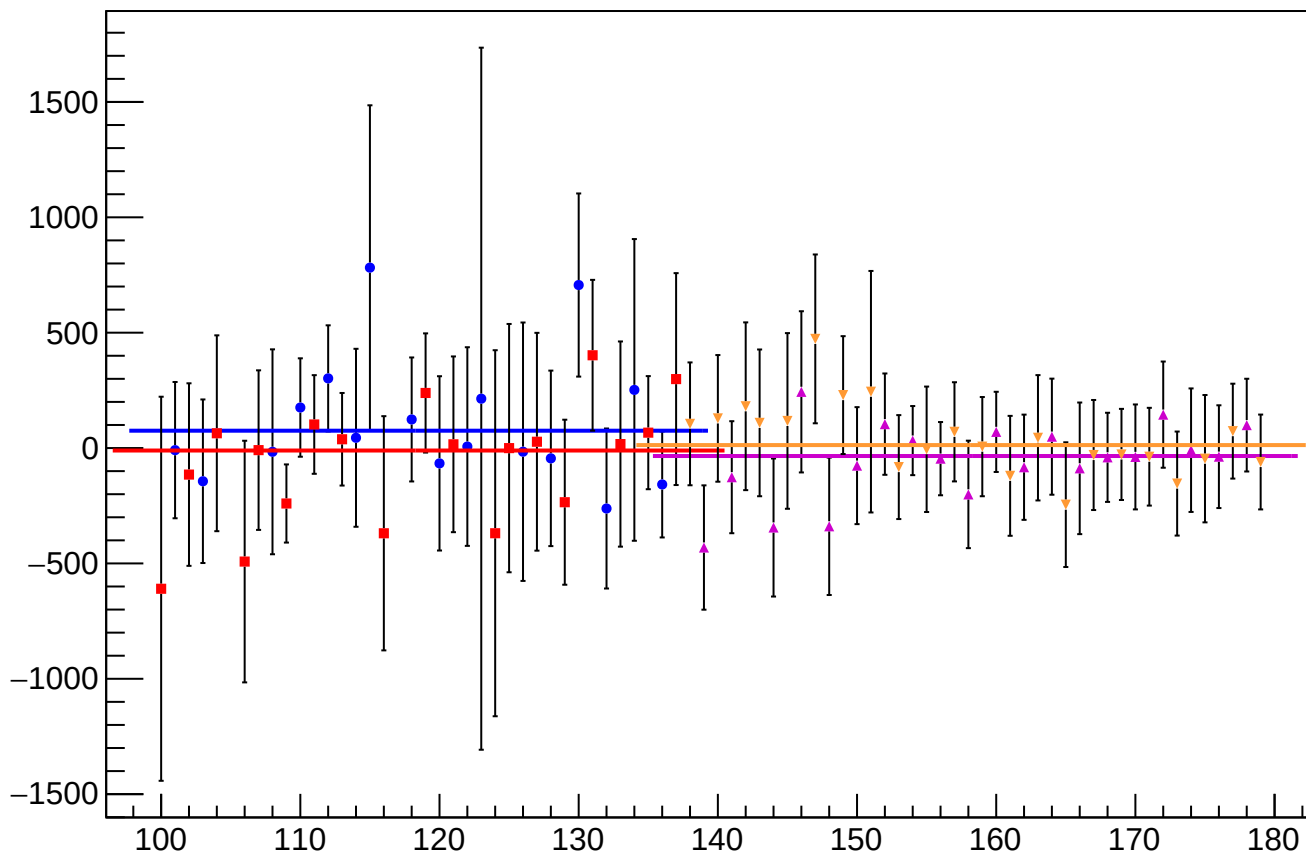
Left In: 180.367 $\pm$ 0.034 χ^2 /NDF:1580504.8/19

+ sign 203.759 $\pm$ 0.031 χ^2 /NDF: 2360658.2/38

All: 189.601 $\pm$ 0.021 χ^2 /NDF: 5877121.4/77

- sign 178.060 $\pm$ 0.028 χ^2 /NDF: 3139734.4/38

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 ± 82.504 χ^2/NDF : 7.6/16

Left Out: 12.878 ± 54.040 χ^2/NDF : 5.6/21

Right Out: -10.674 ± 73.338 χ^2/NDF : 7.8/18

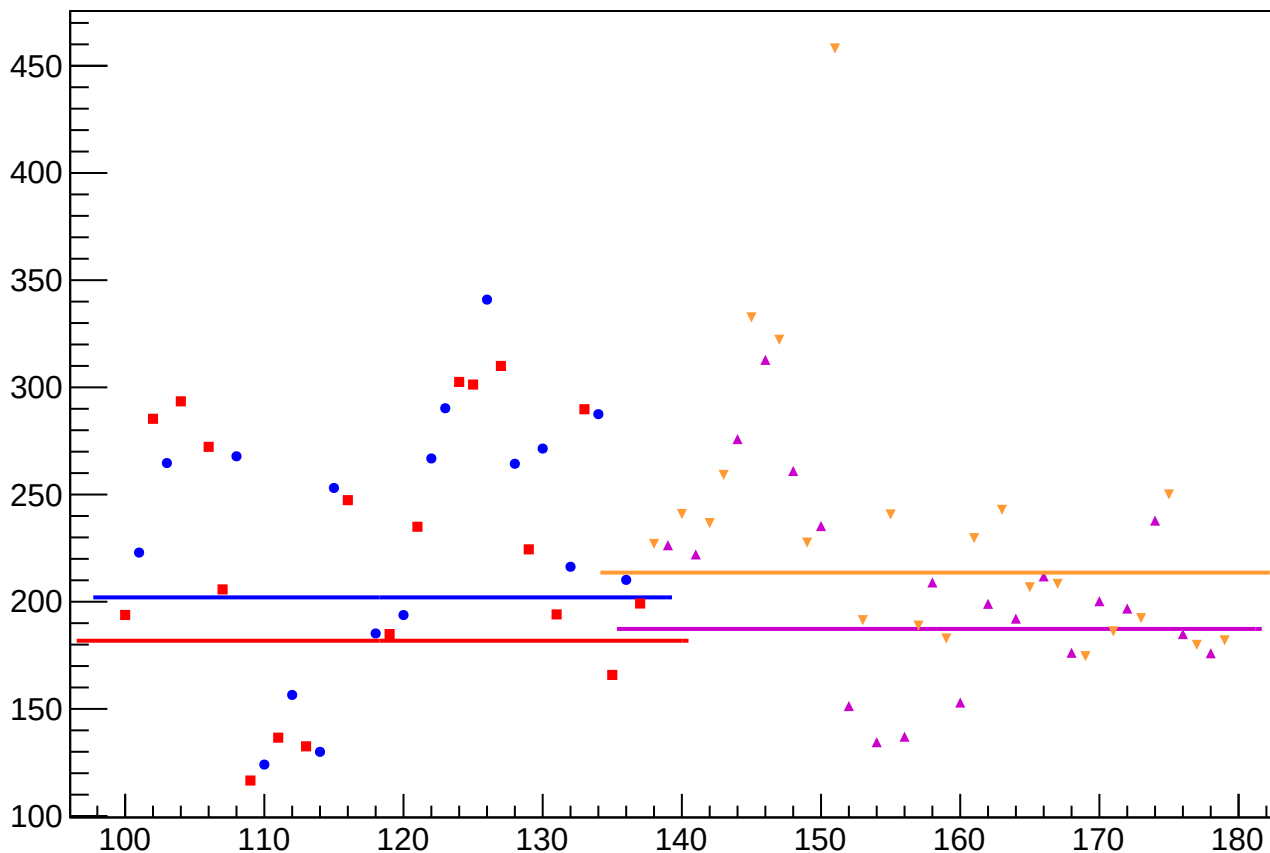
Left In: -34.512 ± 49.702 χ^2/NDF : 7.8/19

+ sign 31.590 ± 45.206 χ^2/NDF : 13.6/38

All: -0.461 ± 30.428 χ^2/NDF : 30.2/77

- sign -27.009 ± 41.143 χ^2/NDF : 15.7/38

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

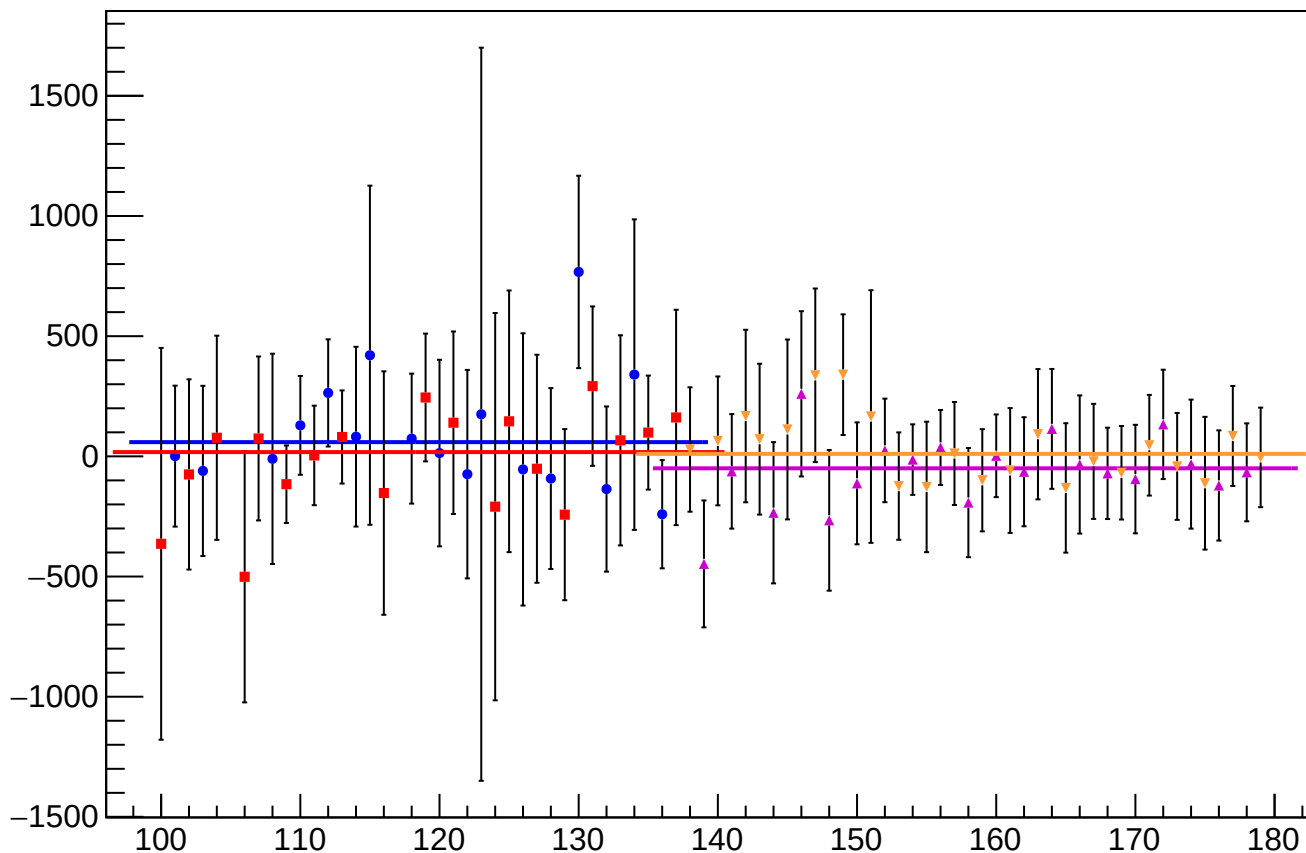
Left In: 187.310 $\pm$ 0.035 χ^2 /NDF:1424651.3/19

+ sign 210.114 $\pm$ 0.032 χ^2 /NDF: 2202560.2/38

All: 196.695 $\pm$ 0.022 χ^2 /NDF: 5334671.2/77

- sign 185.579 $\pm$ 0.029 χ^2 /NDF: 2809893.5/38

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 10.333 $\pm$ 53.661 χ^2 /NDF: 4.9/21

Right Out: 17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

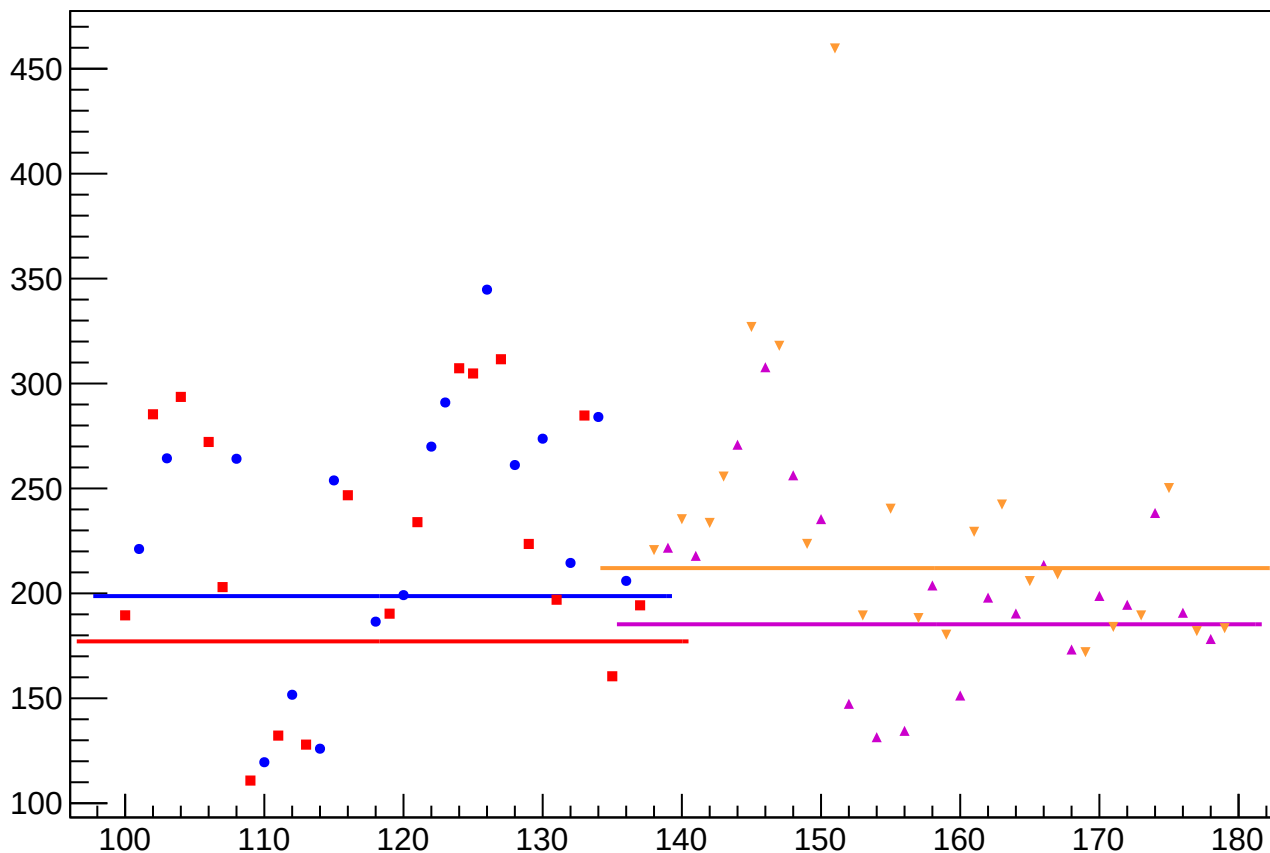
Left In: -49.708 $\pm$ 49.218 χ^2 /NDF: 6.3/19

+ sign 25.124 $\pm$ 44.805 χ^2 /NDF: 12.3/38

All: -4.143 $\pm$ 30.091 χ^2 /NDF: 24.6/77

- sign -28.191 $\pm$ 40.614 χ^2 /NDF: 11.6/38

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

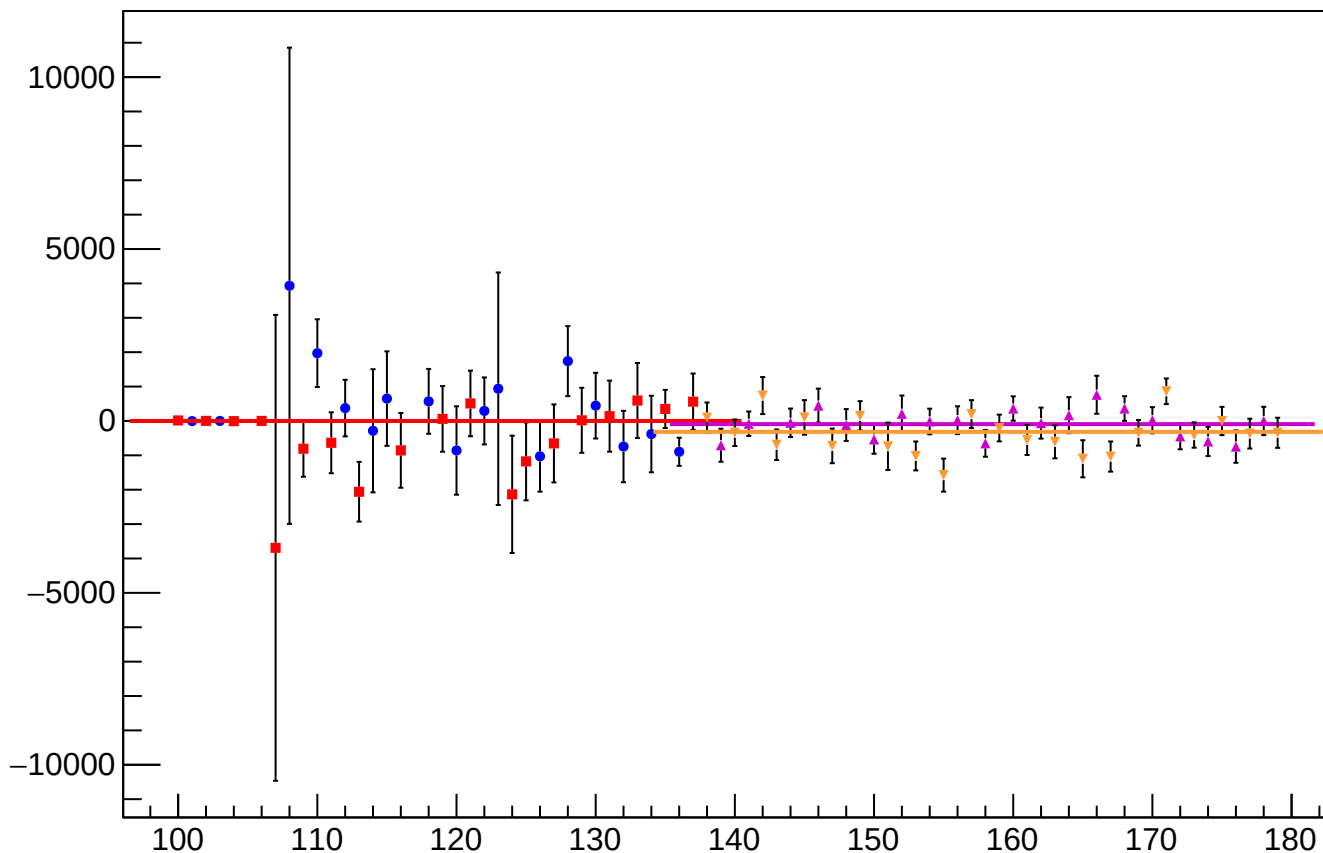
Left In: 185.272 $\pm$ 0.035 χ^2 /NDF:1455767.3/19

+ sign 208.002 $\pm$ 0.032 χ^2 /NDF: 2278885.0/38

All: 194.098 $\pm$ 0.021 χ^2 /NDF: 5627924.3/77

- sign 182.672 $\pm$ 0.029 χ^2 /NDF: 2998141.5/38

asym_cav4bQ_mean vs Slug



Right In: -1.529 $\pm$ 2.251 χ^2/NDF : 16.6/16

Left Out: -316.816 $\pm$ 93.264 χ^2/NDF : 35.8/21

Right Out: -0.731 $\pm$ 2.111 χ^2/NDF : 18.4/18

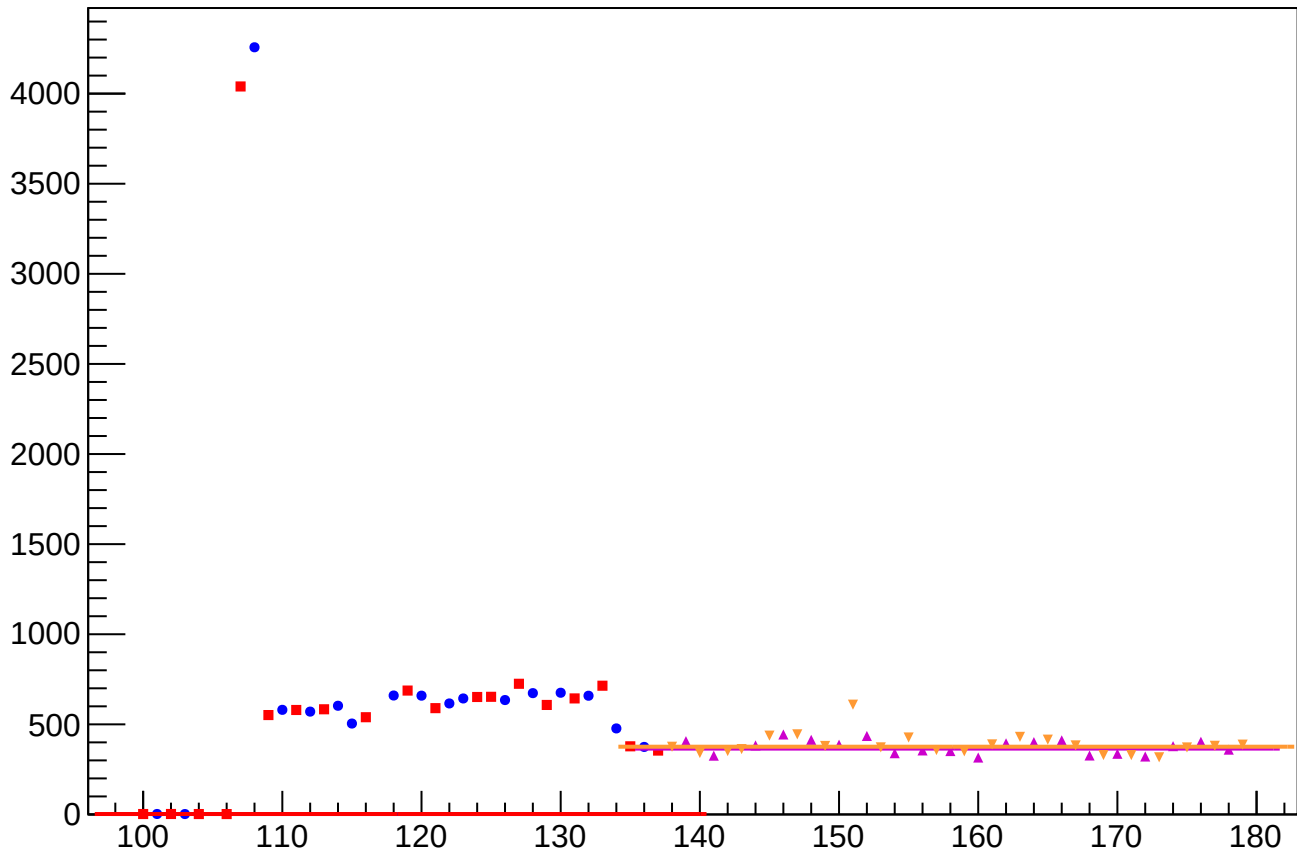
Left In: -92.755 $\pm$ 93.930 χ^2/NDF : 16.7/19

+ sign -1.713 $\pm$ 2.251 χ^2/NDF : 63.9/38

All: -1.215 $\pm$ 1.540 χ^2/NDF : 100.0/77

- sign -0.778 $\pm$ 2.111 χ^2/NDF : 36.0/38

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

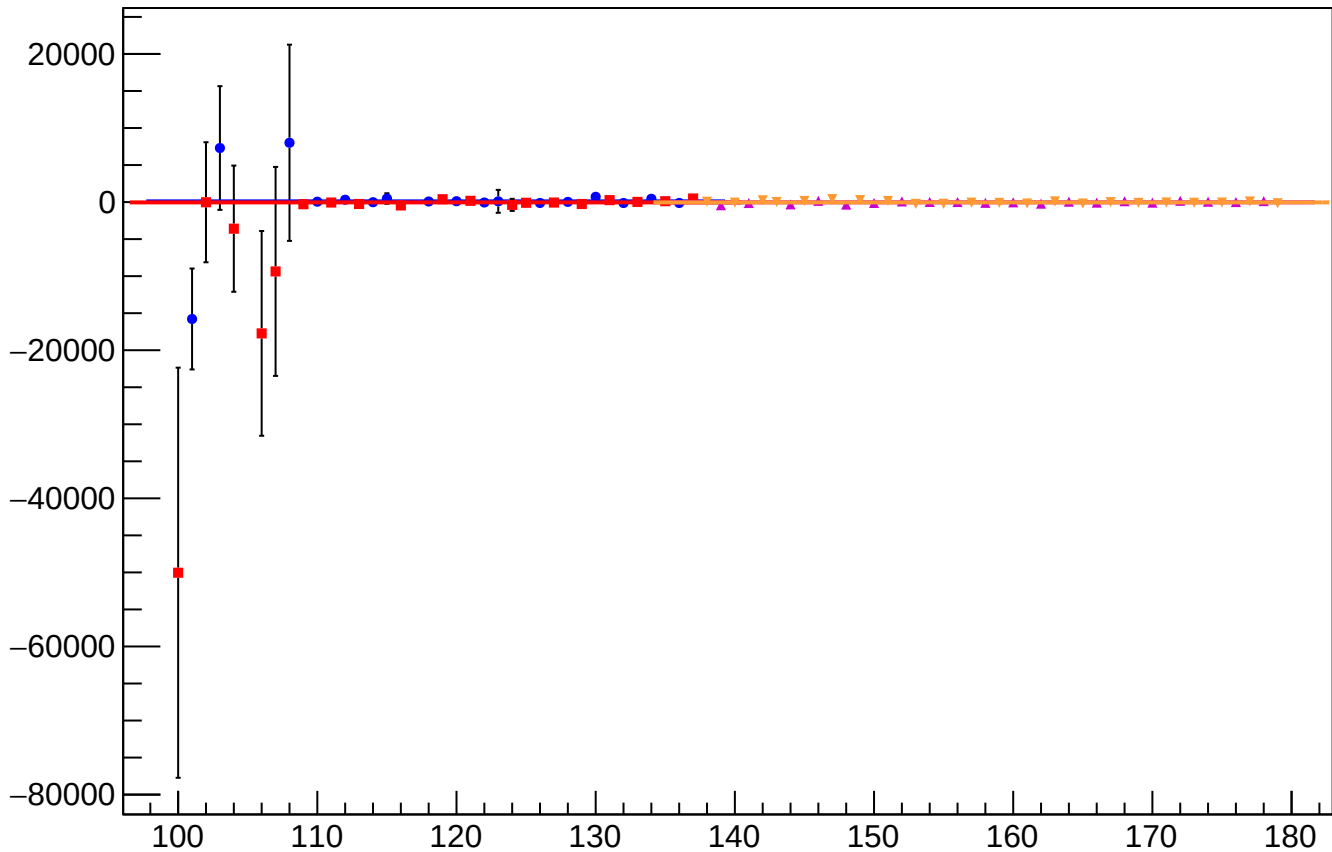
Left In: 365.433+/-0.066 χ^2/NDF : 315411.7/19

+ sign 2.674+/-0.002 χ^2/NDF : 43271822.0/38

All: 2.645+/-0.001 χ^2/NDF : 84582227.4/77

- sign 2.620+/-0.001 χ^2/NDF : 41309799.1/38

asym_cav4cQ_mean vs Slug



Right In: 95.353 $\pm$ 91.708 χ^2/NDF : 12.0/16

Left Out: -41.613 $\pm$ 54.628 χ^2/NDF : 6.9/21

Right Out: -42.617 $\pm$ 84.547 χ^2/NDF : 14.0/18

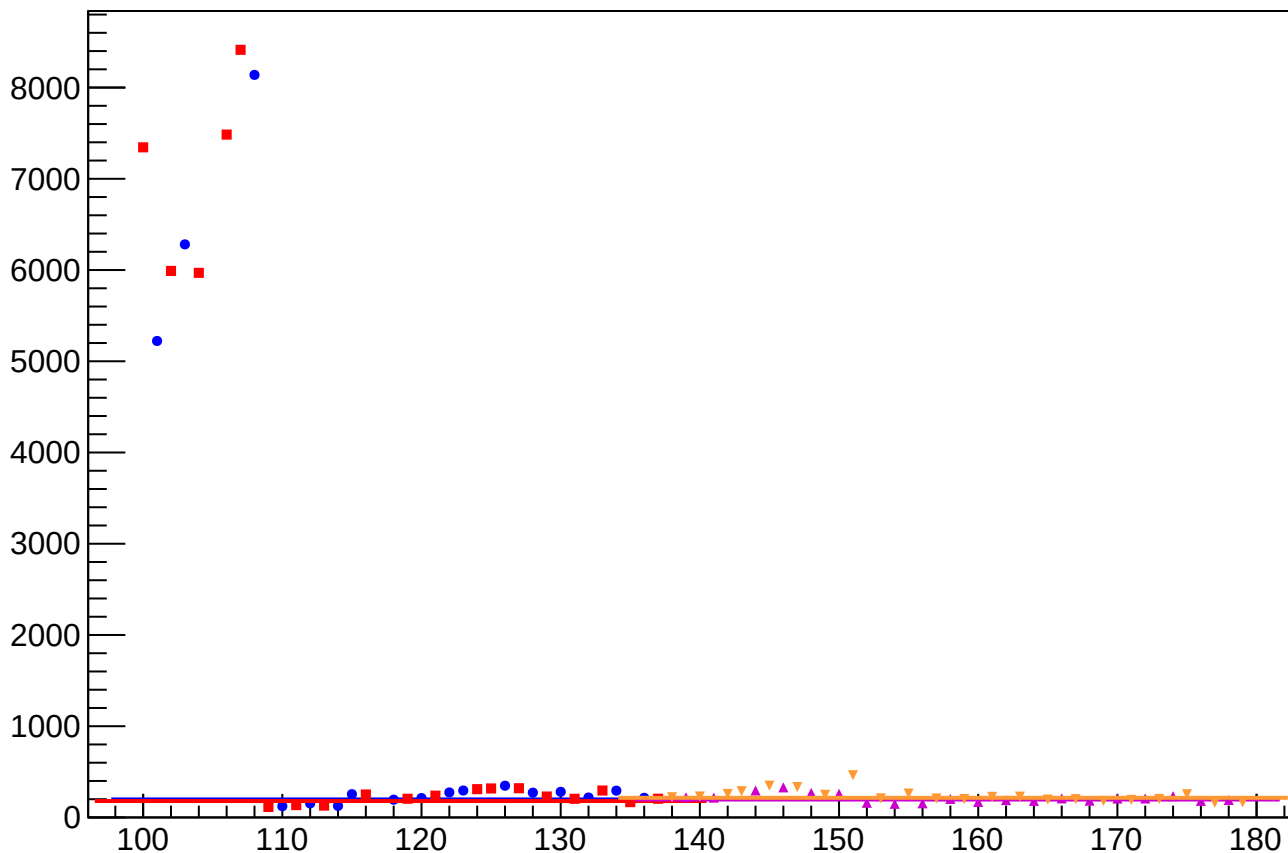
Left In: -29.176 $\pm$ 51.848 χ^2/NDF : 7.9/19

+ sign -5.742 $\pm$ 46.933 χ^2/NDF : 20.5/38

All: -20.108 $\pm$ 32.176 χ^2/NDF : 42.6/77

- sign -32.850 $\pm$ 44.199 χ^2/NDF : 21.9/38

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

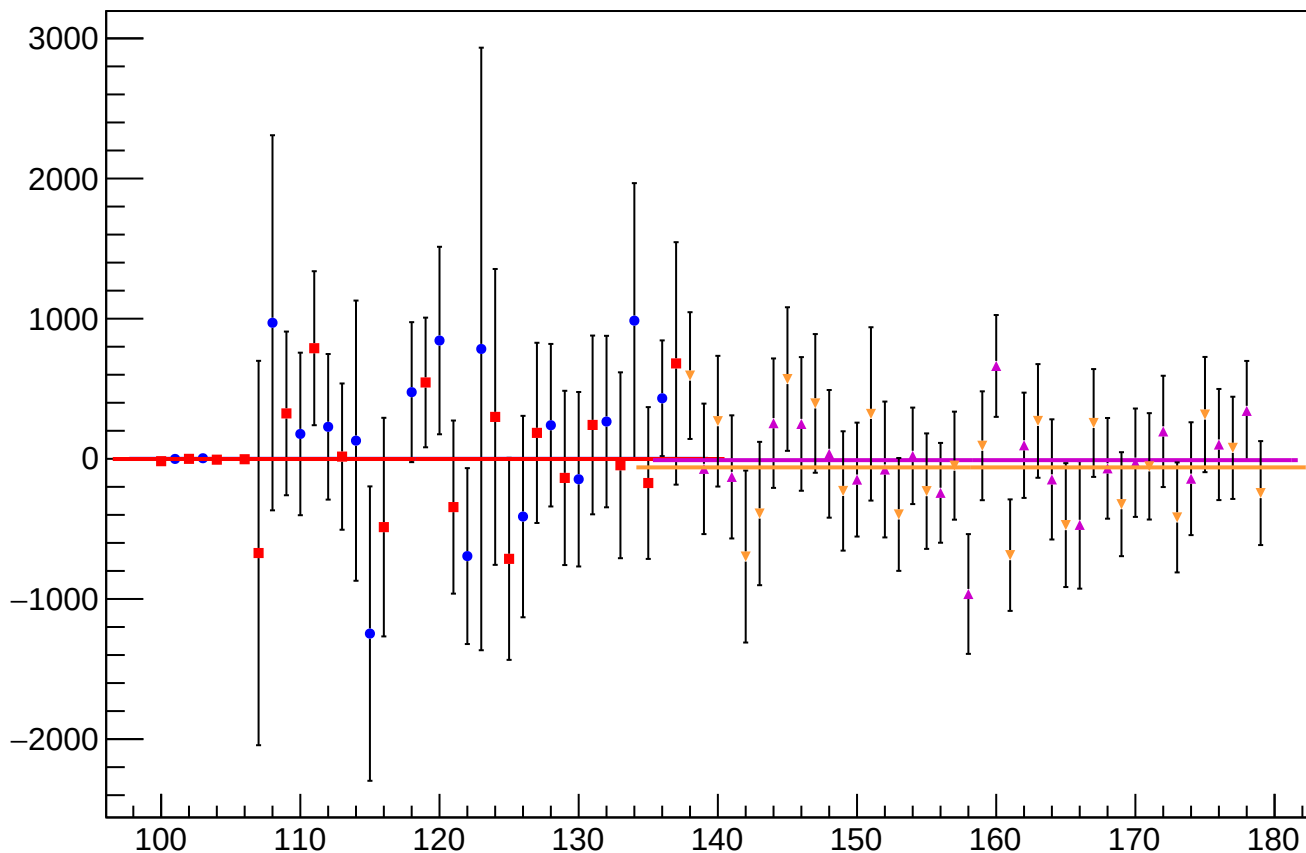
Left In: 196.550+/-0.037 χ^2/NDF :1131183.0/19

+ sign 210.643+/-0.033 χ^2/NDF : 5263620.3/38

All: 200.775+/-0.023 χ^2/NDF : 10938871.7/77

- sign 192.022+/-0.031 χ^2/NDF : 5508393.4/38

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

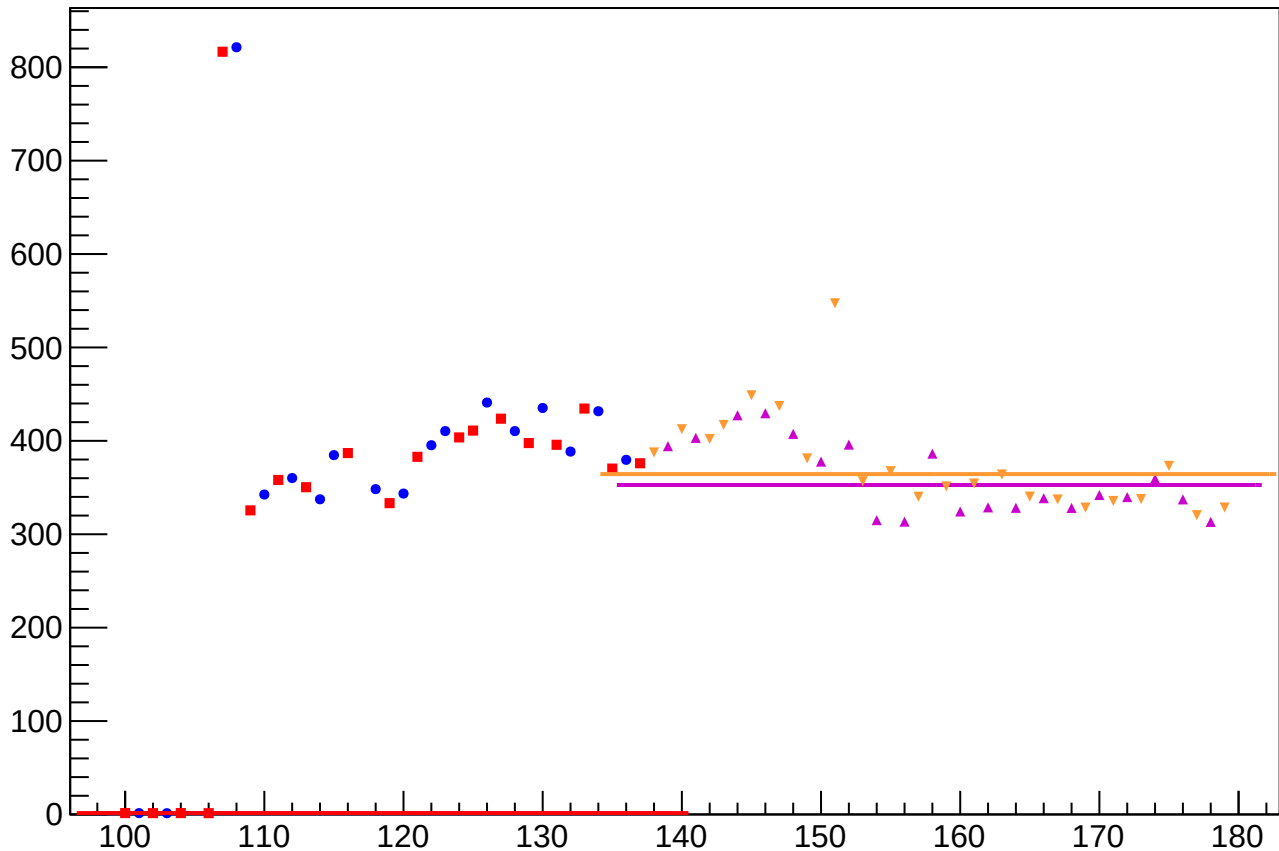
Left In: -9.454 ± 90.564 χ^2/NDF : 12.4/19

+ sign -0.162 ± 1.736 χ^2/NDF : 25.5/38

All: -0.783 ± 1.185 χ^2/NDF : 47.6/77

- sign -1.326 ± 1.622 χ^2/NDF : 21.9/38

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

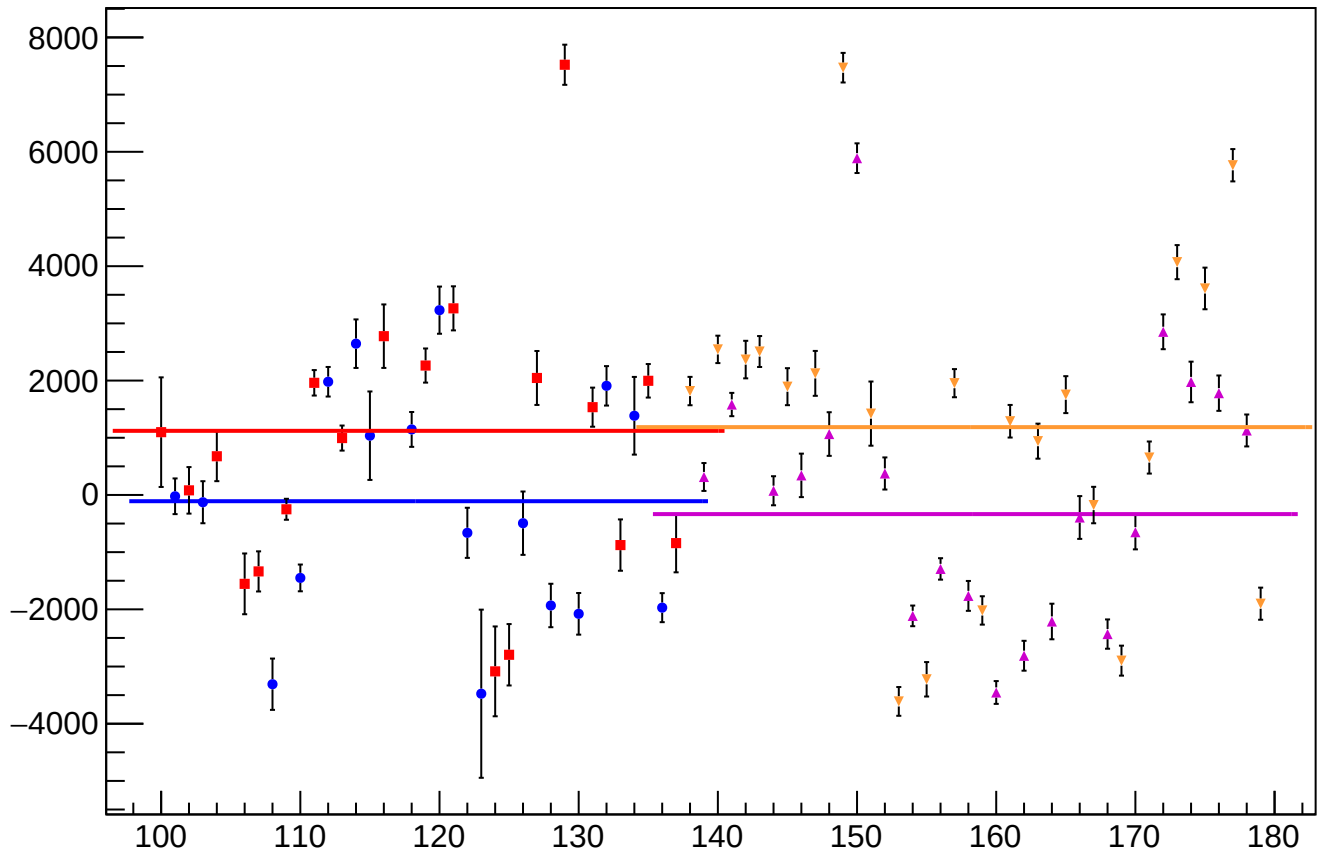
Left In: 352.747+/-0.064 χ^2/NDF : 329299.0/19

+ sign 1.587+/-0.001 χ^2/NDF : 43682320.9/38

All: 1.575+/-0.001 χ^2/NDF : 84968698.6/77

- sign 1.564+/-0.001 χ^2/NDF : 41286188.1/38

asym_bcm0l02_mean vs Slug



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 1185.820+/-61.538 χ^2/NDF : 2221.0/21

Right Out: 1121.203+/-78.396 χ^2/NDF : 670.1/18

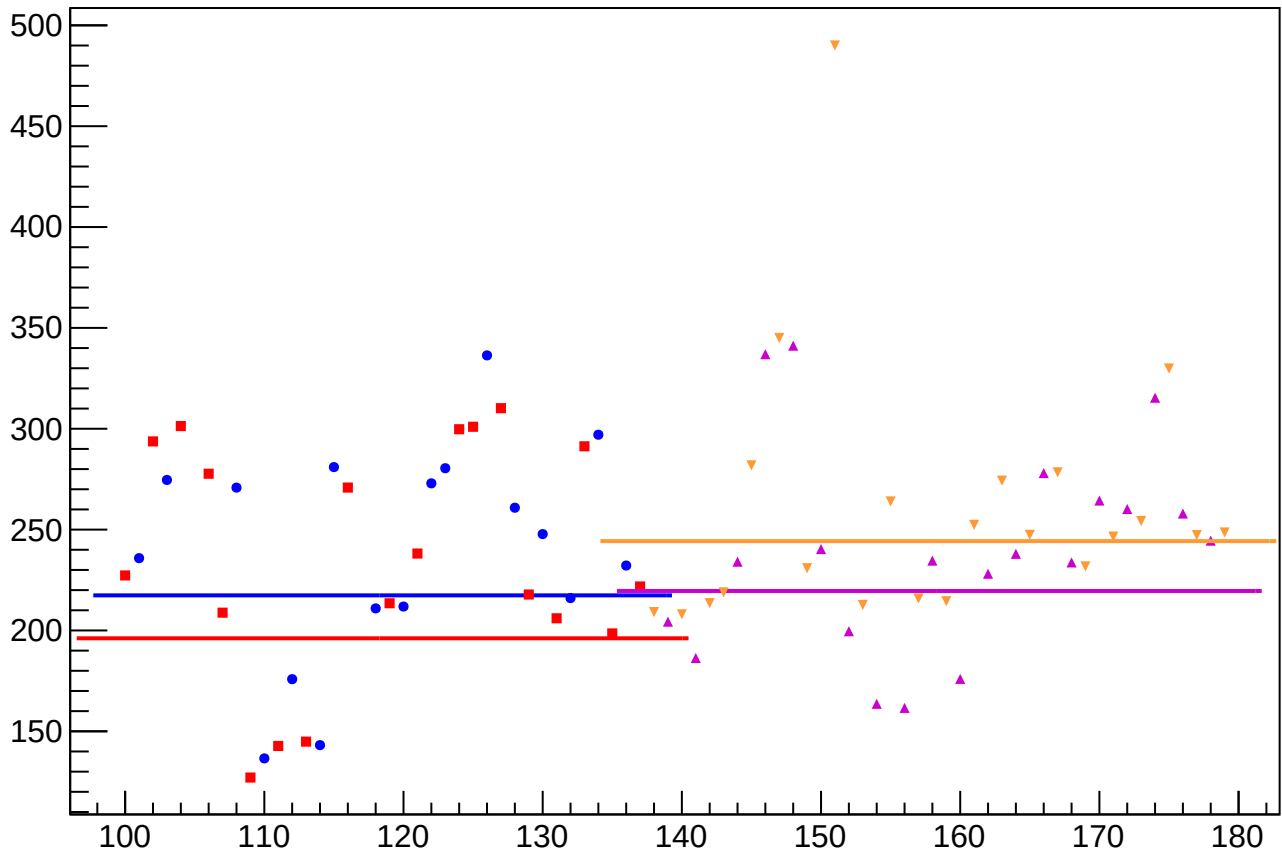
Left In: -334.699+/-58.007 χ^2/NDF : 1515.3/19

+ sign 760.253+/-50.424 χ^2/NDF : 2794.8/38

All: 447.692+/-34.235 χ^2/NDF : 5274.3/77

- sign 180.388+/-46.630 χ^2/NDF : 2408.2/38

asym_bcm0l02_rms vs Slug



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 244.292 $\pm$ 0.044 χ^2 /NDF: 926807.3/21

Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

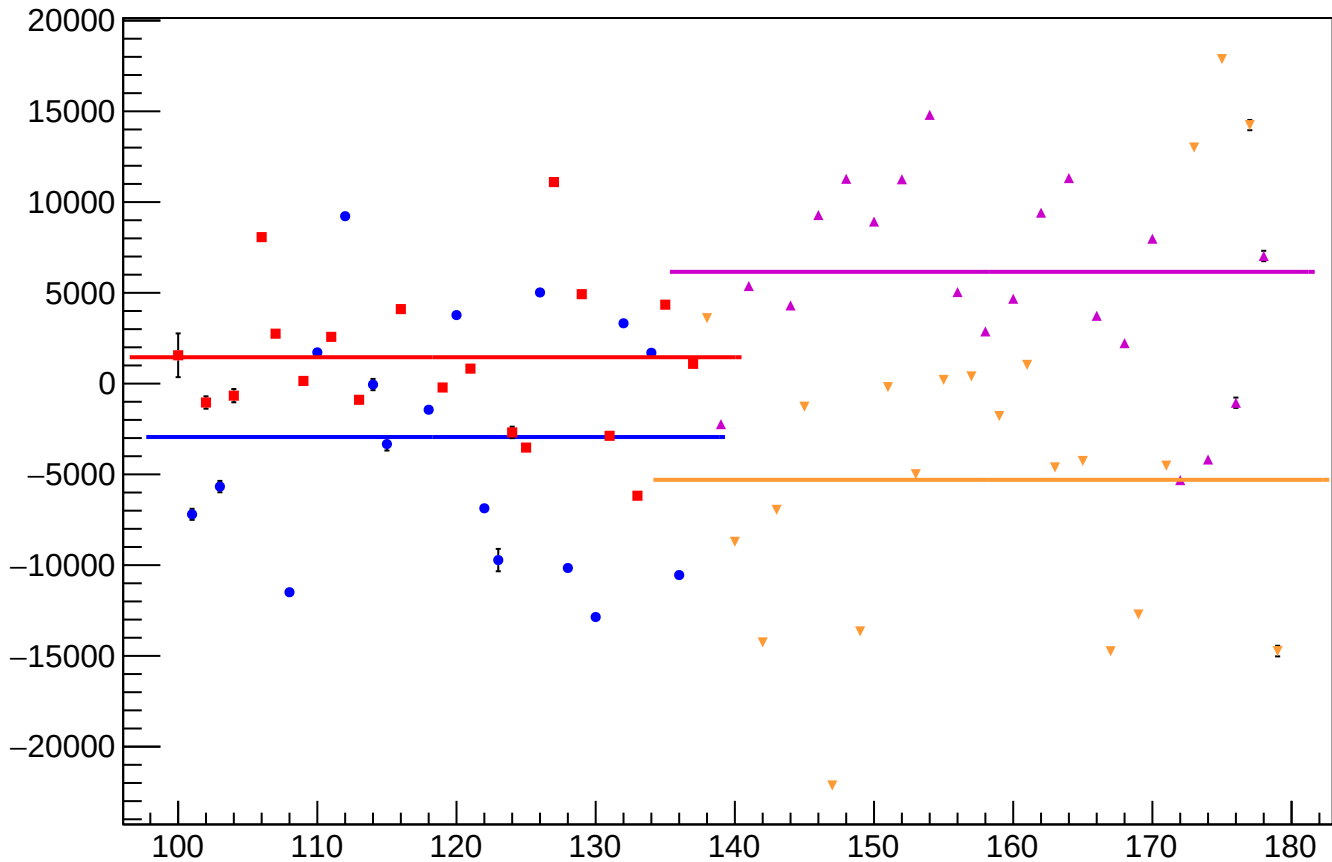
Left In: 219.574 $\pm$ 0.041 χ^2 /NDF: 1306756.5/19

+ sign 235.456 $\pm$ 0.036 χ^2 /NDF: 1704925.1/38

All: 222.421 $\pm$ 0.024 χ^2 /NDF: 4566262.7/77

- sign 211.273 $\pm$ 0.033 χ^2 /NDF: 2613369.4/38

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

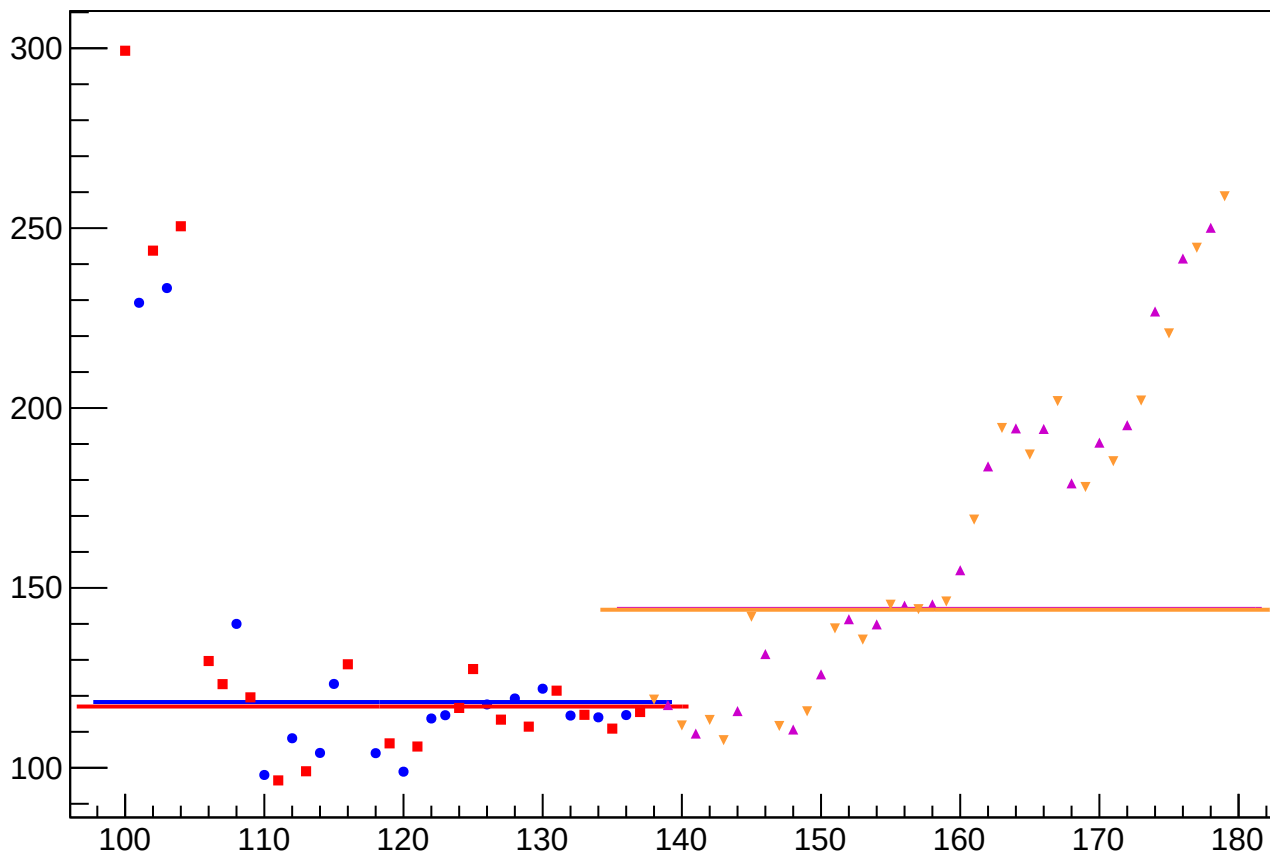
Left In: 6156.948+/-37.950 χ^2/NDF : 17091.9/19

+ sign -4443.839+/-29.291 χ^2/NDF : 80992.5/38

All: -98.811+/-20.742 χ^2/NDF : 156377.7/77

- sign 4271.765+/-29.377 χ^2/NDF : 31245.2/38

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

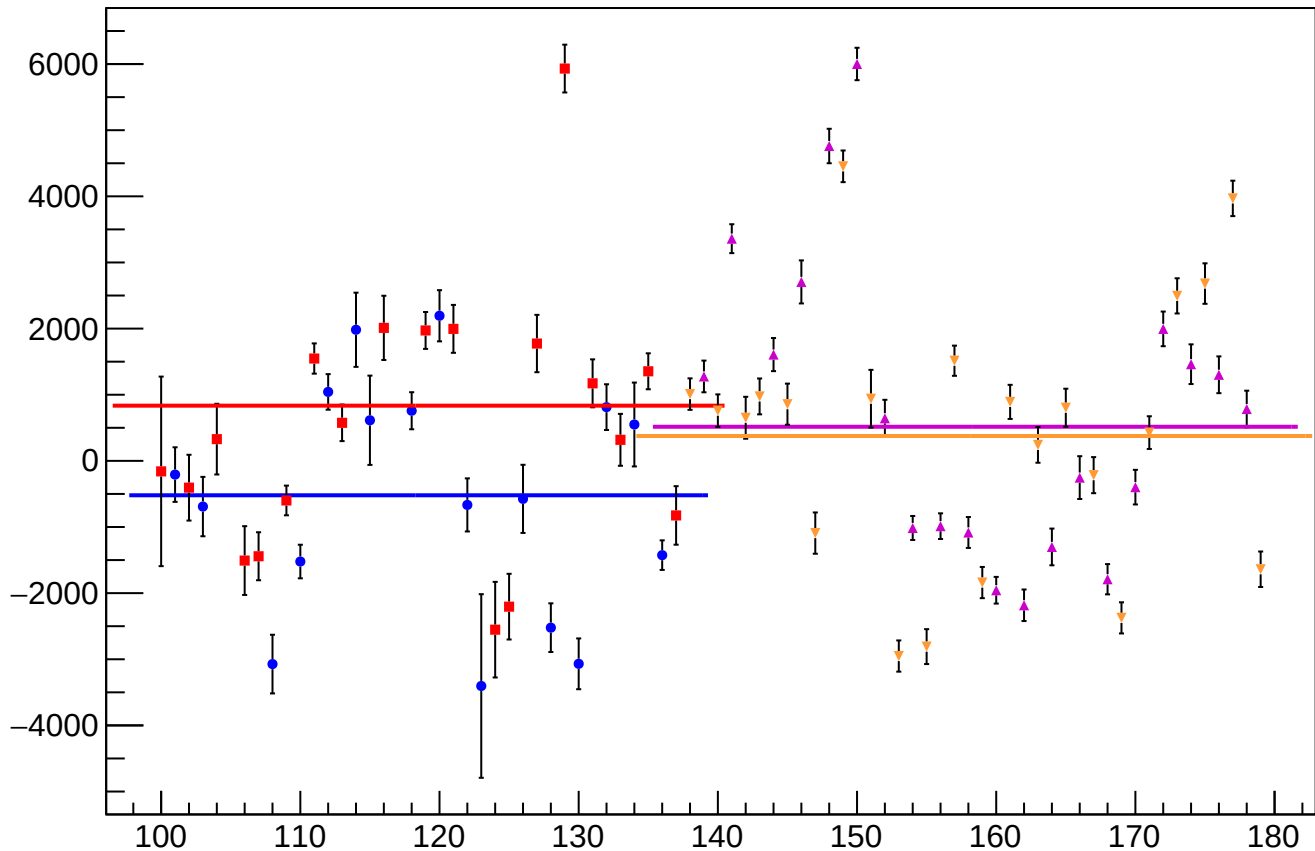
Left In: 144.172+/-0.027 χ^2/NDF : 1737832.6/19

+ sign 134.623+/-0.021 χ^2/NDF : 2969849.4/38

All: 133.961+/-0.015 χ^2/NDF : 5810575.8/77

- sign 133.295+/-0.021 χ^2/NDF : 2838677.1/38

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

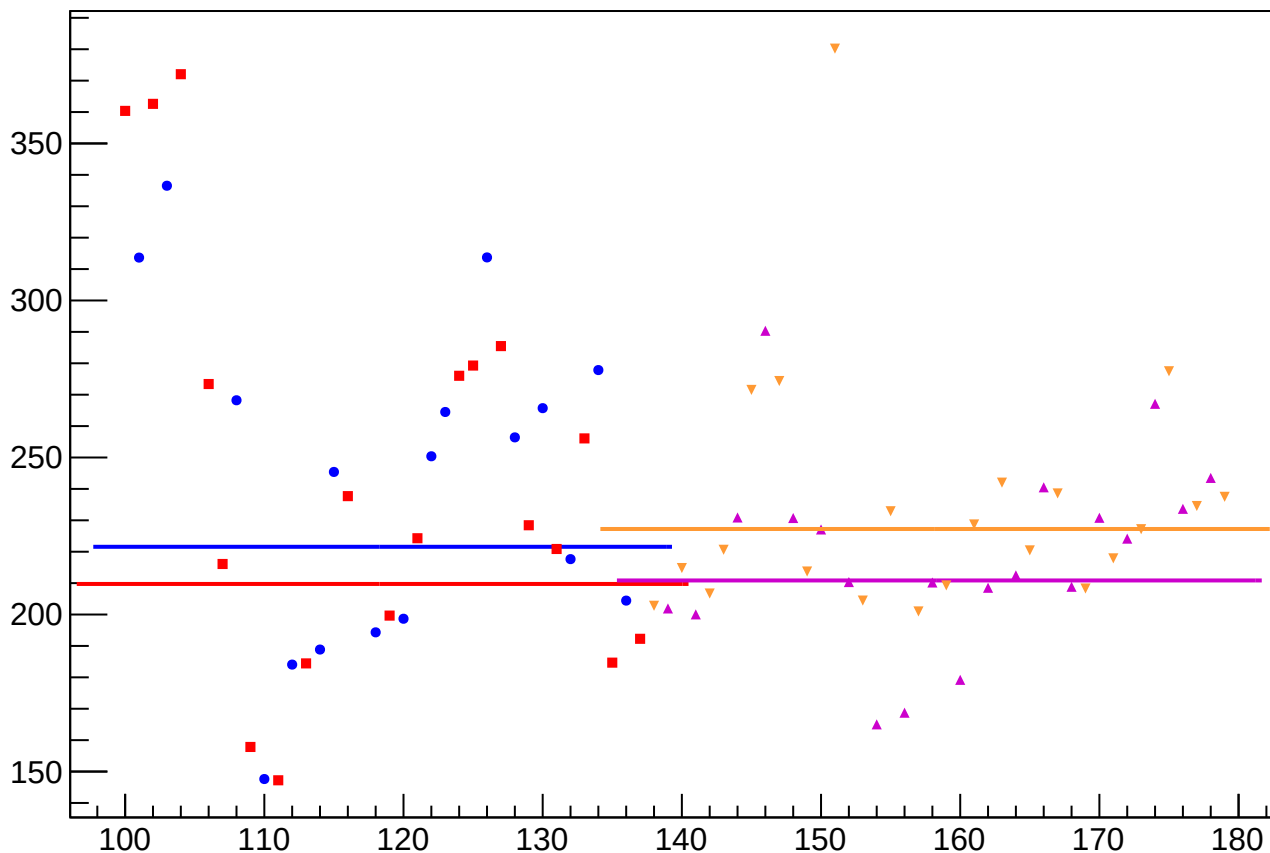
Left In: 515.752+/-54.785 χ^2 /NDF:1680.2/19

+ sign 118.853+/-47.808 χ^2 /NDF: 1653.6/38

All: 378.006+/-32.997 χ^2 /NDF: 3835.0/77

- sign 613.772+/-45.600 χ^2 /NDF: 2125.3/38

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

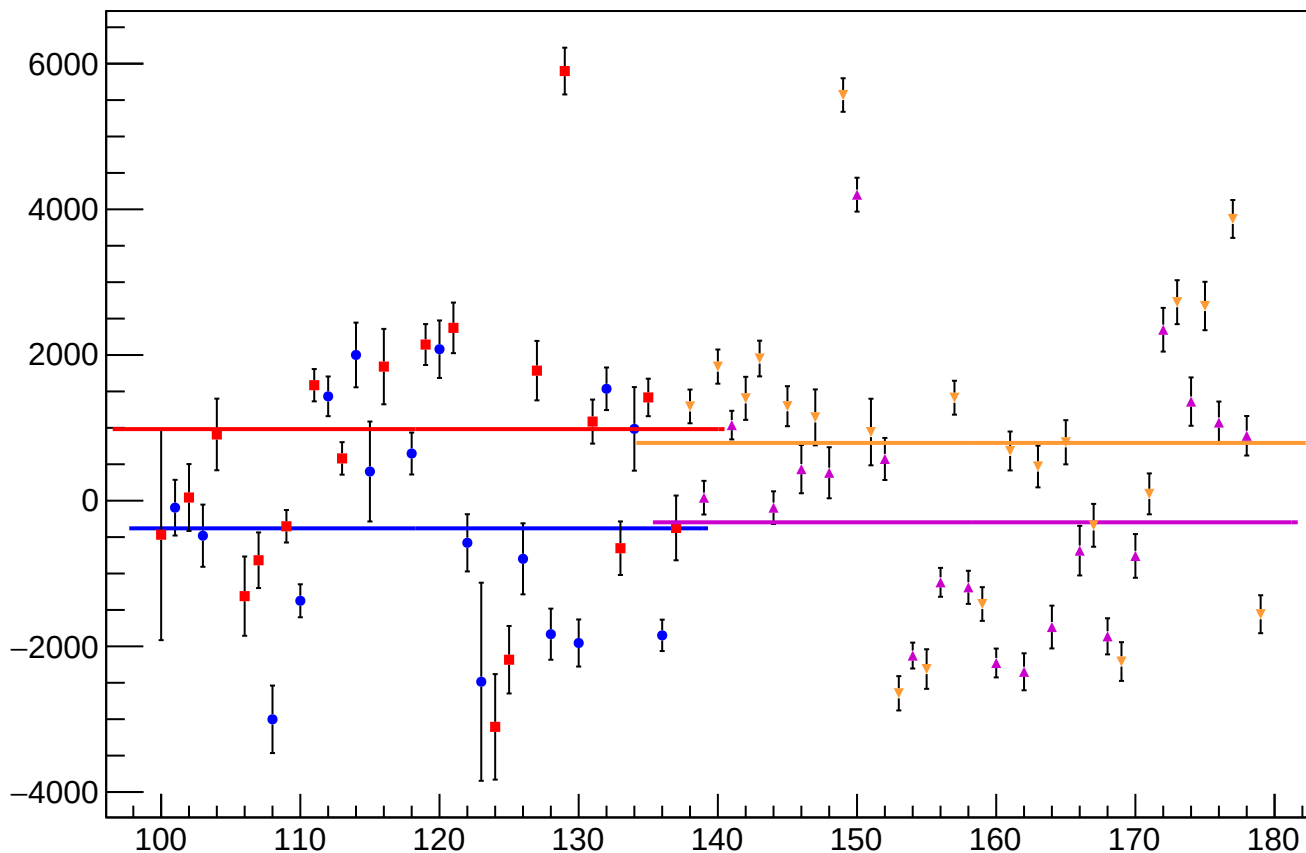
Left In: 210.850 $\pm$ 0.039 χ^2 /NDF: 576789.6/19

+ sign 225.612 $\pm$ 0.034 χ^2 /NDF: 1167203.5/38

All: 217.703 $\pm$ 0.023 χ^2 /NDF: 2732694.8/77

- sign 210.508 $\pm$ 0.032 χ^2 /NDF: 1460965.7/38

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

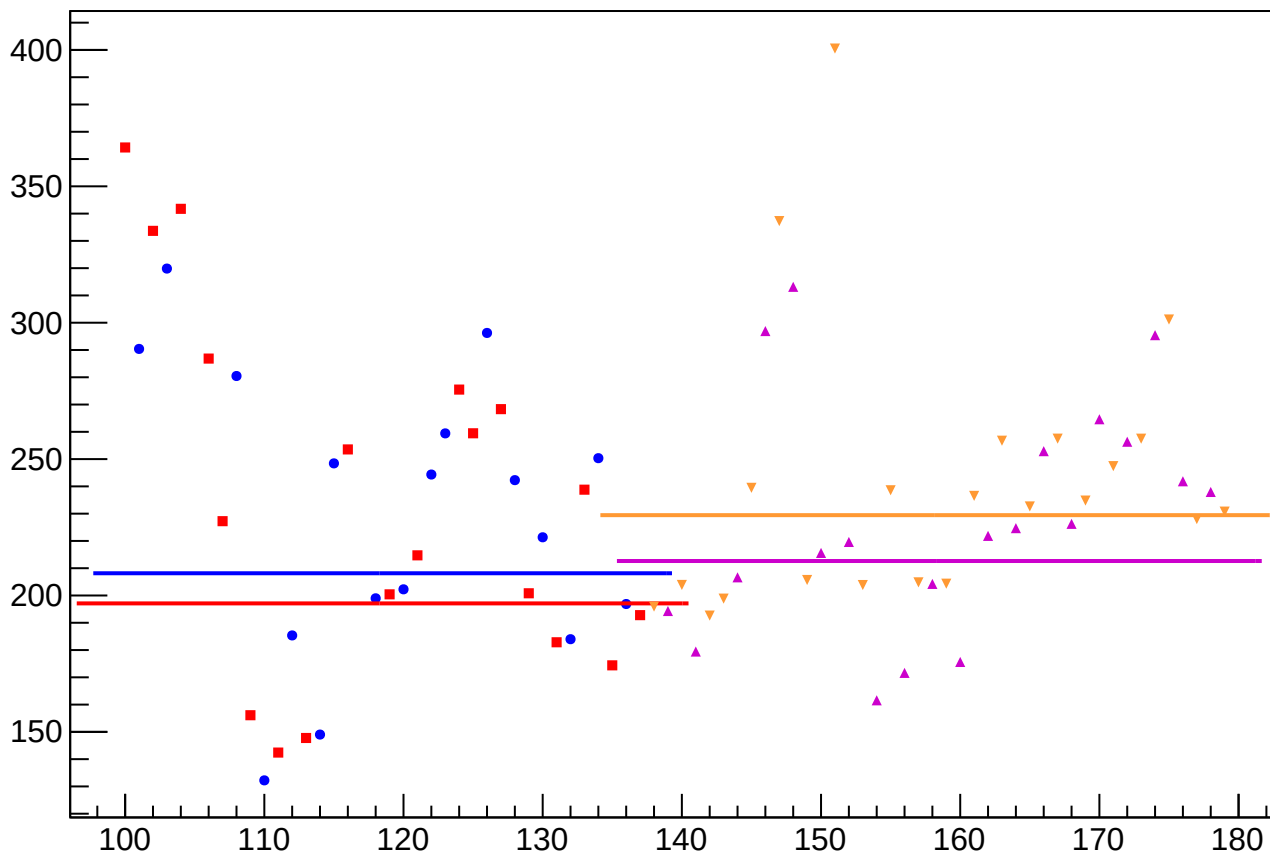
Left In: -296.812 ± 55.634 χ^2/NDF : 951.6/19

+ sign 420.325 ± 47.503 χ^2/NDF : 1820.7/38

All: 271.540 ± 32.760 χ^2/NDF : 3446.4/77

- sign 136.599 ± 45.239 χ^2/NDF : 1607.0/38

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

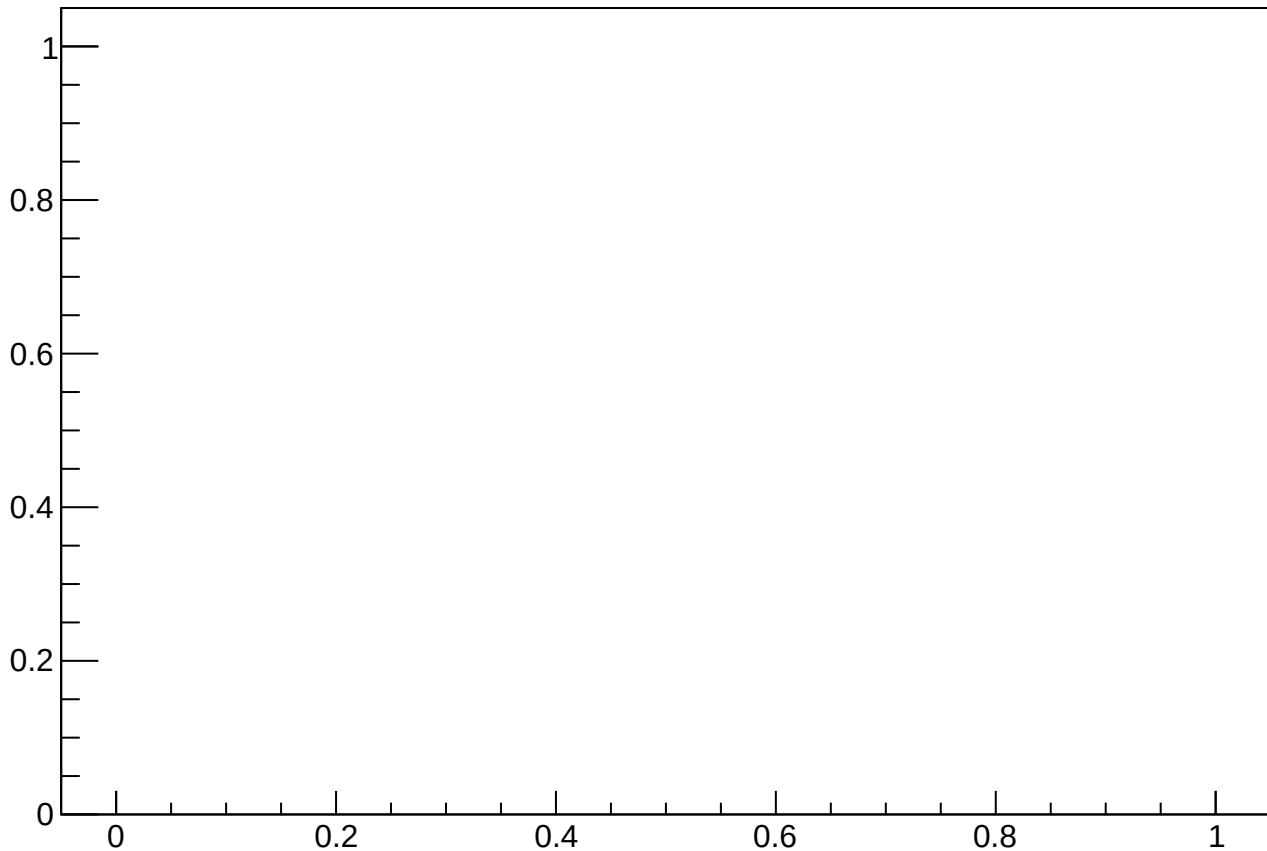
Left In: 212.642+/-0.039 χ^2/NDF : 994675.4/19

+ sign 222.681+/-0.034 χ^2/NDF : 1605642.5/38

All: 214.656+/-0.023 χ^2/NDF : 3688491.1/77

- sign 207.377+/-0.032 χ^2/NDF : 1974002.2/38

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

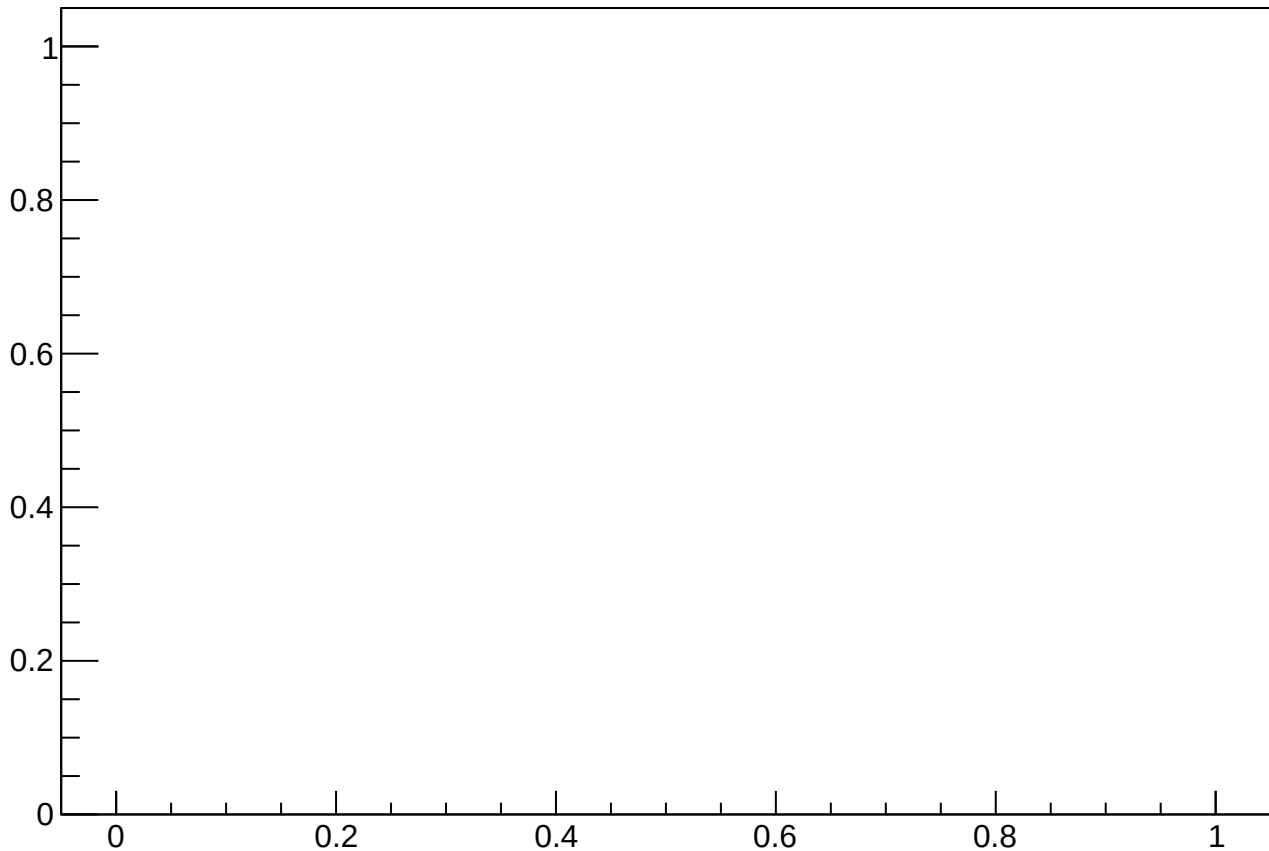
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

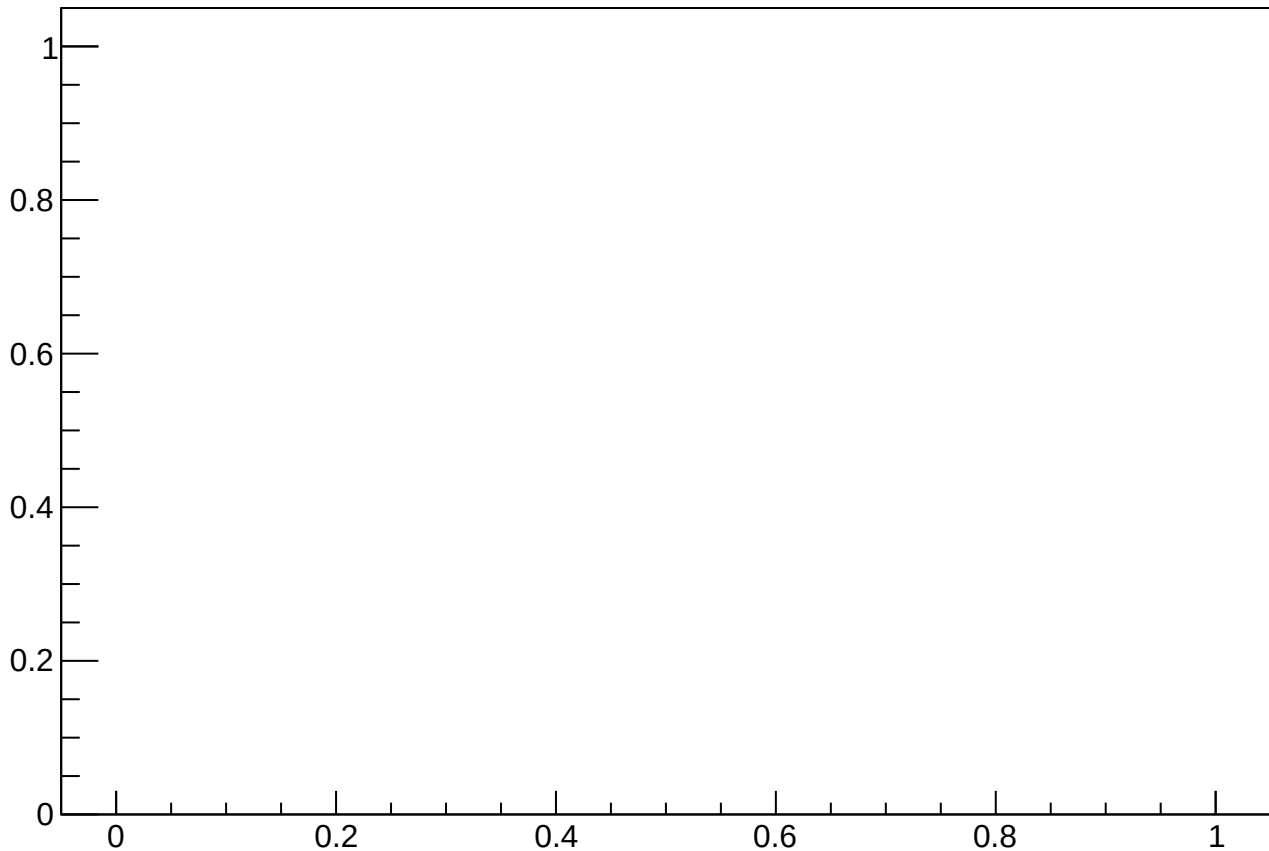
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

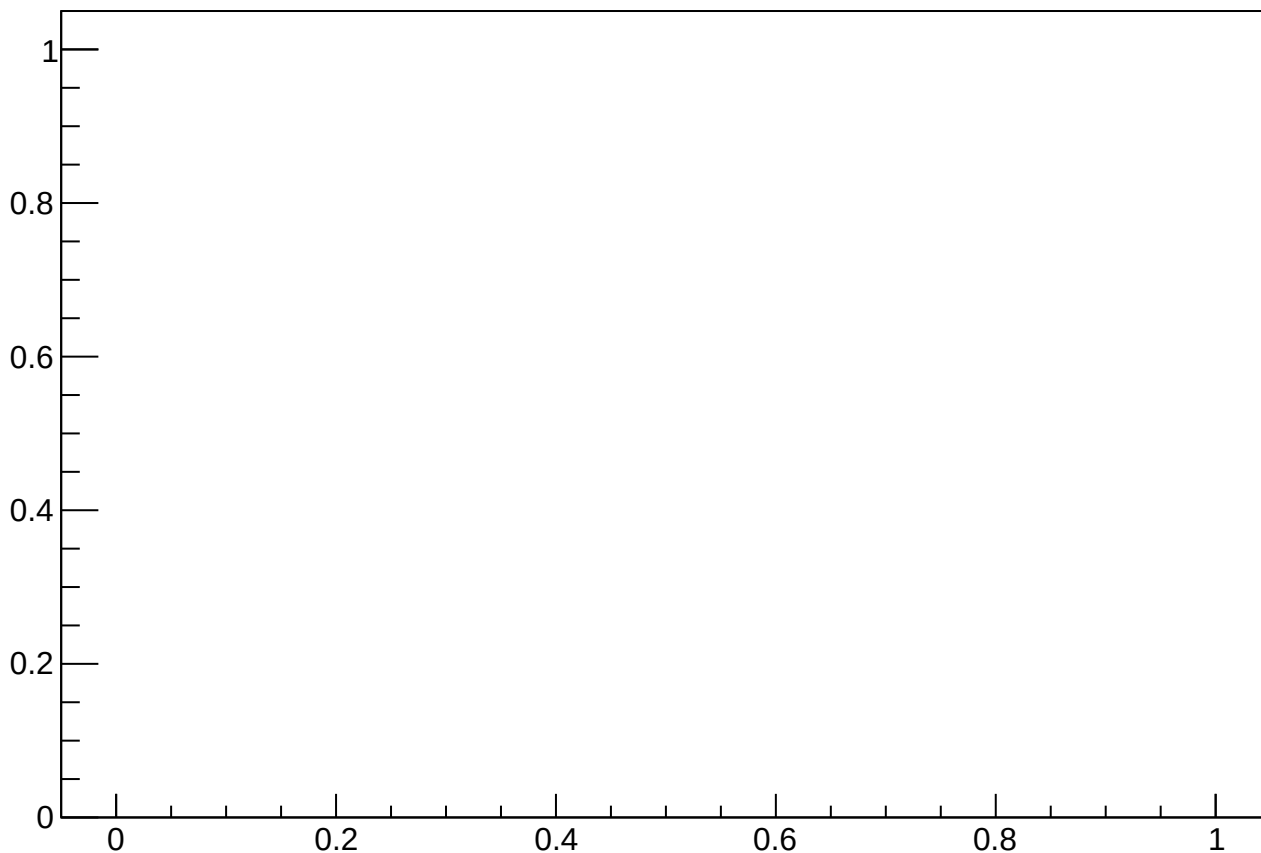
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

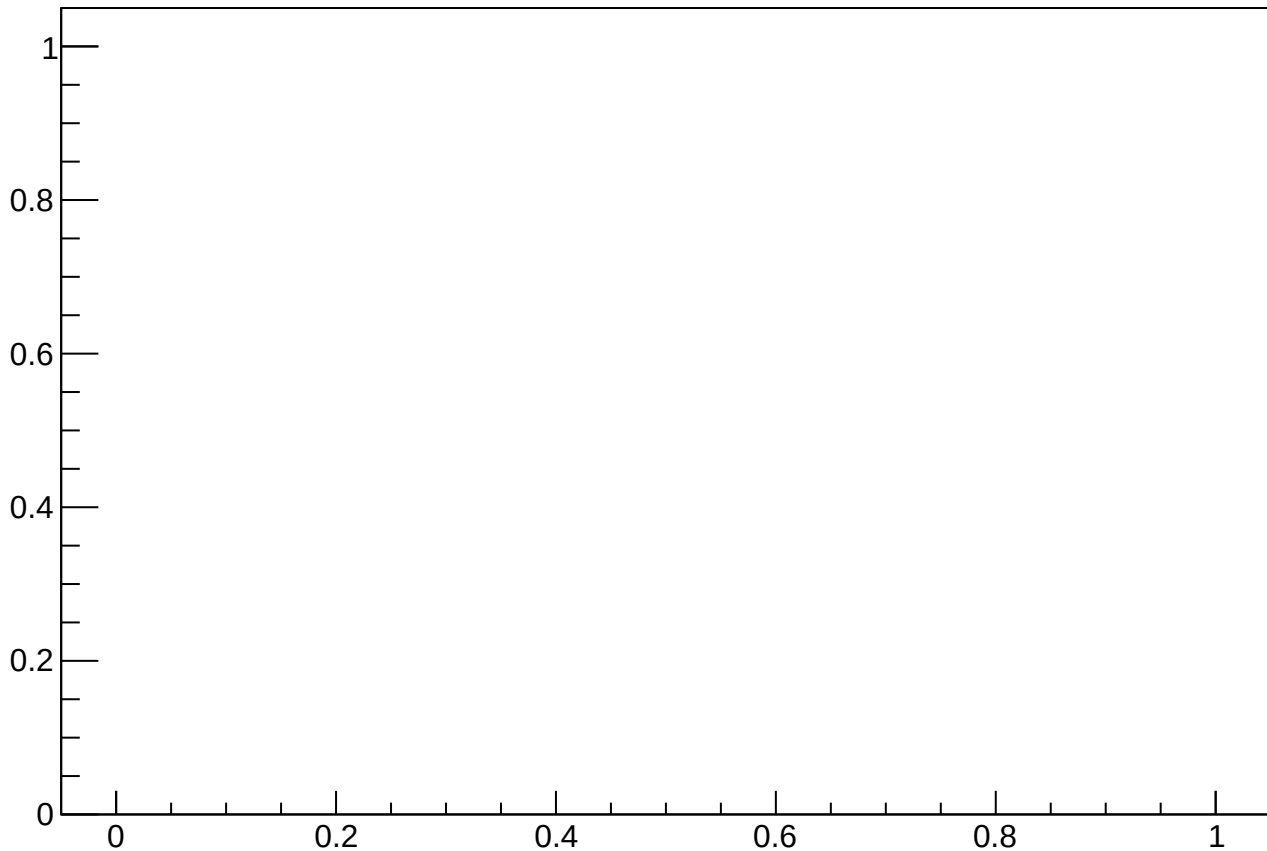
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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 $\pm$ 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

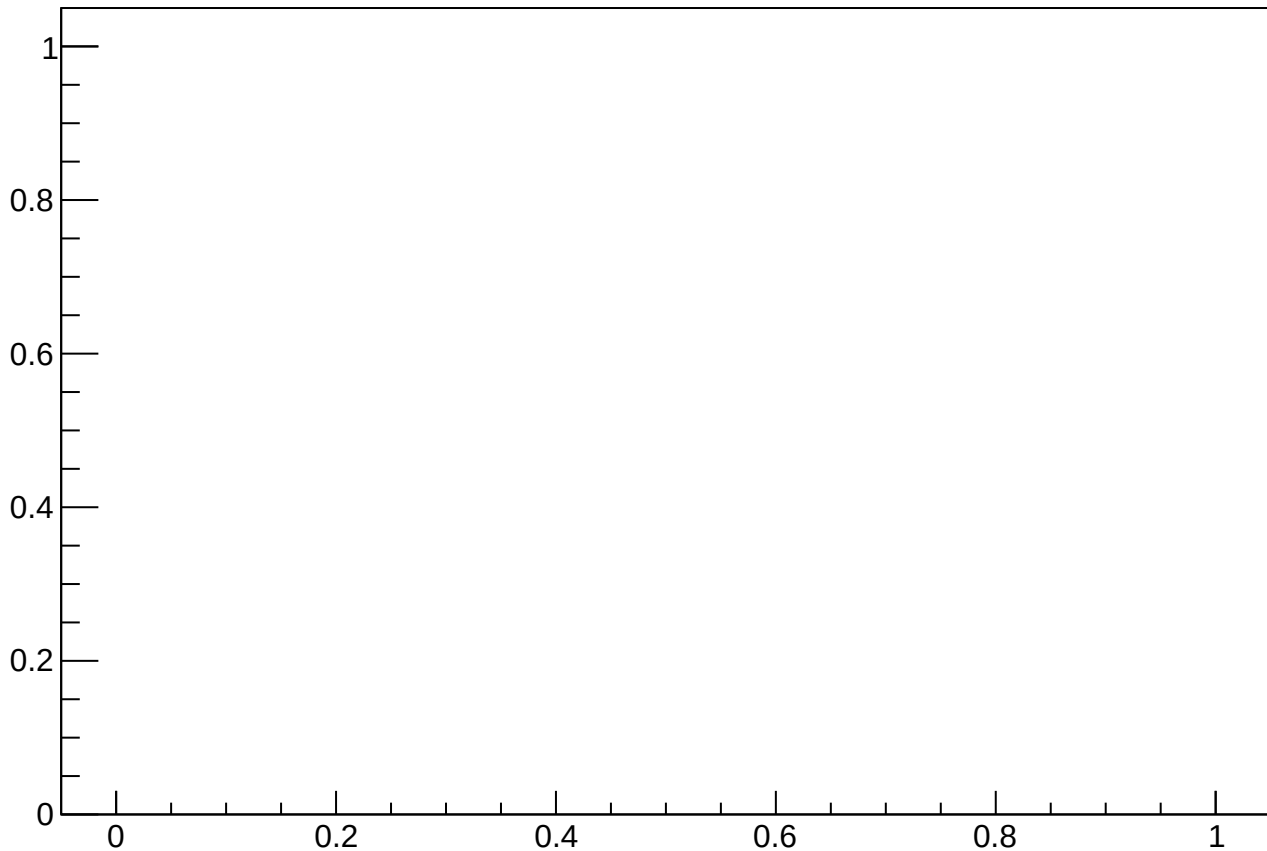
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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_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

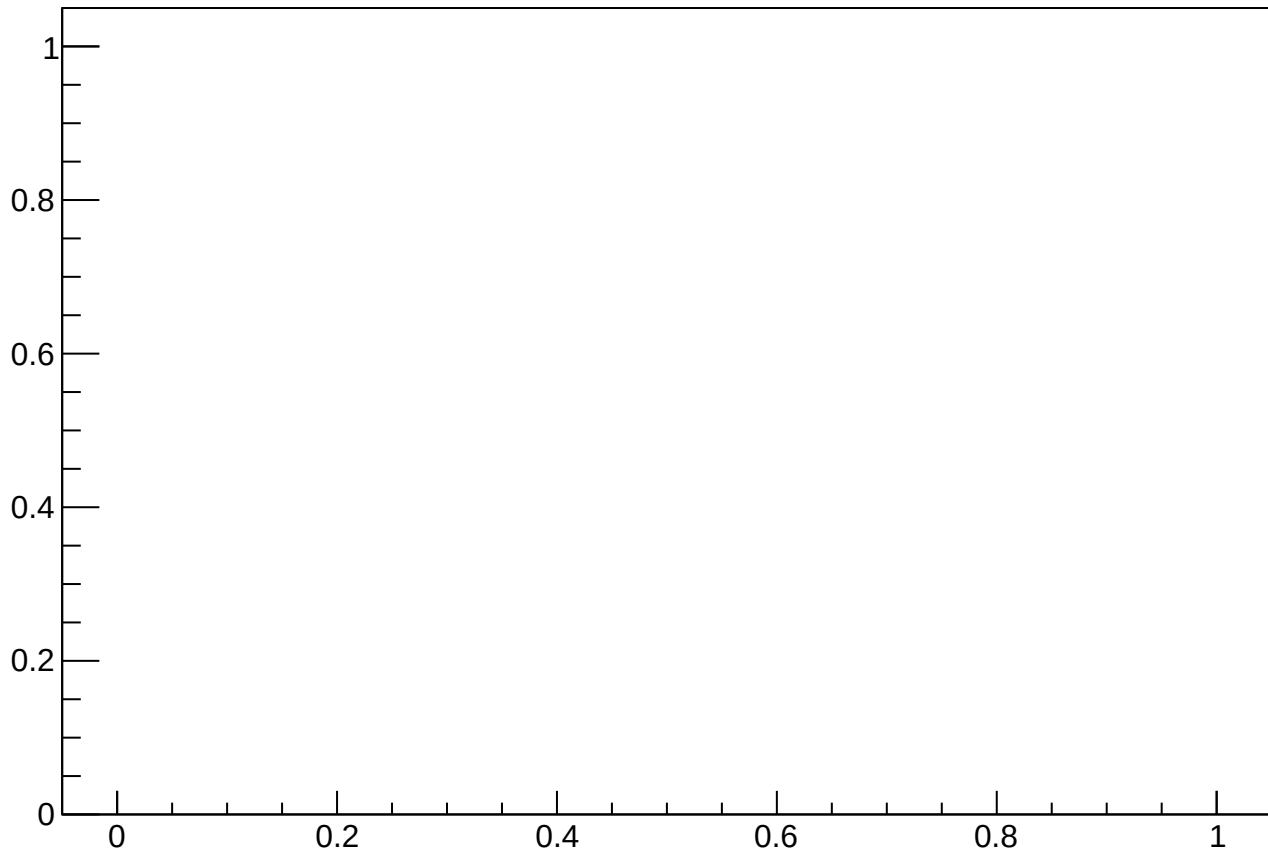
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

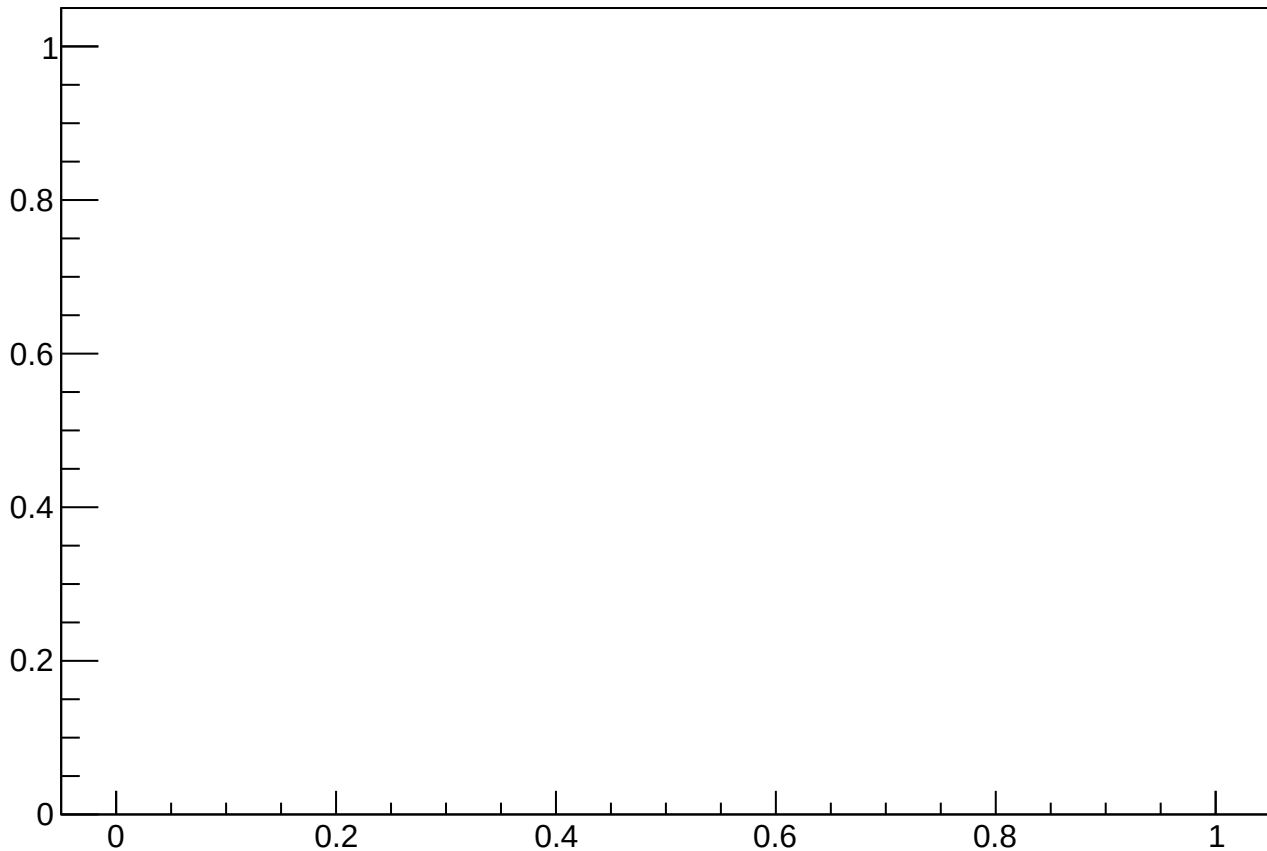
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

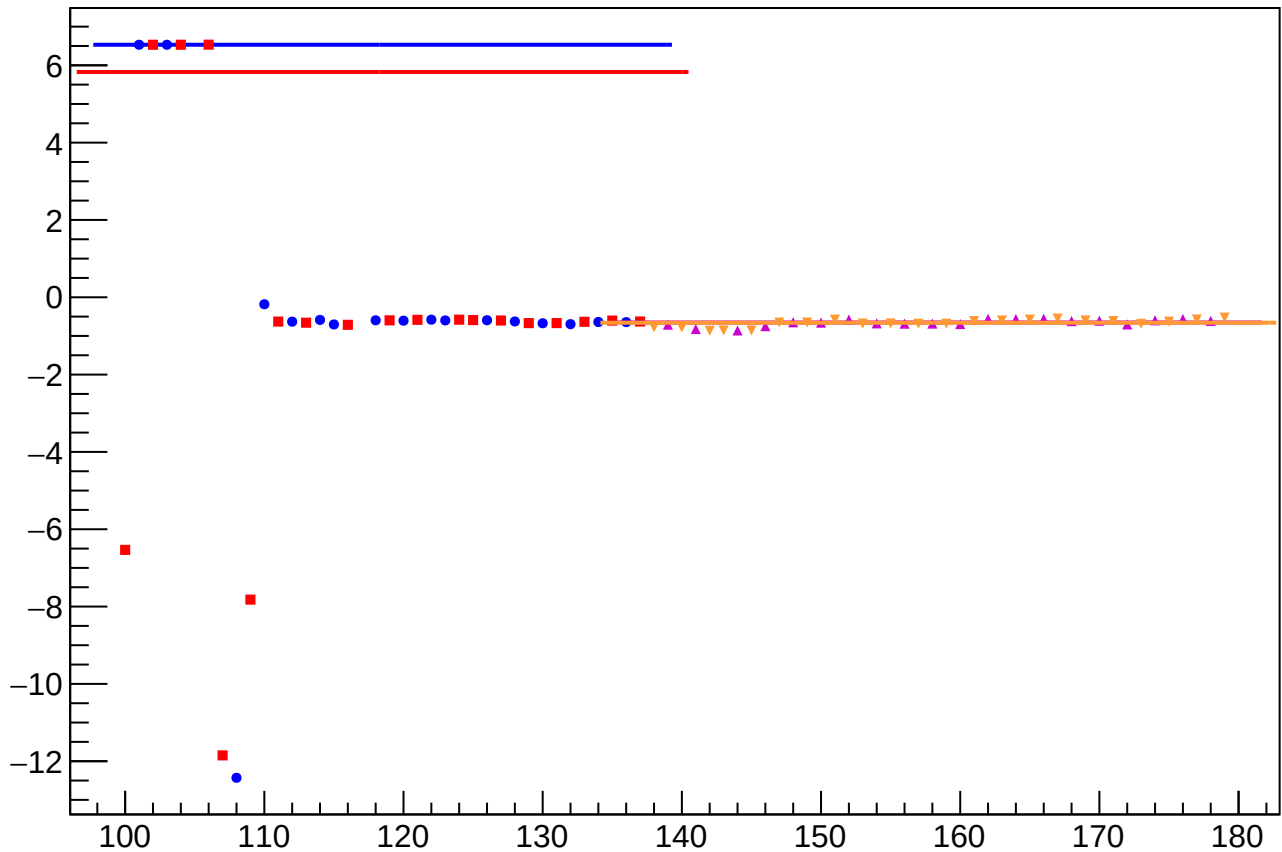
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

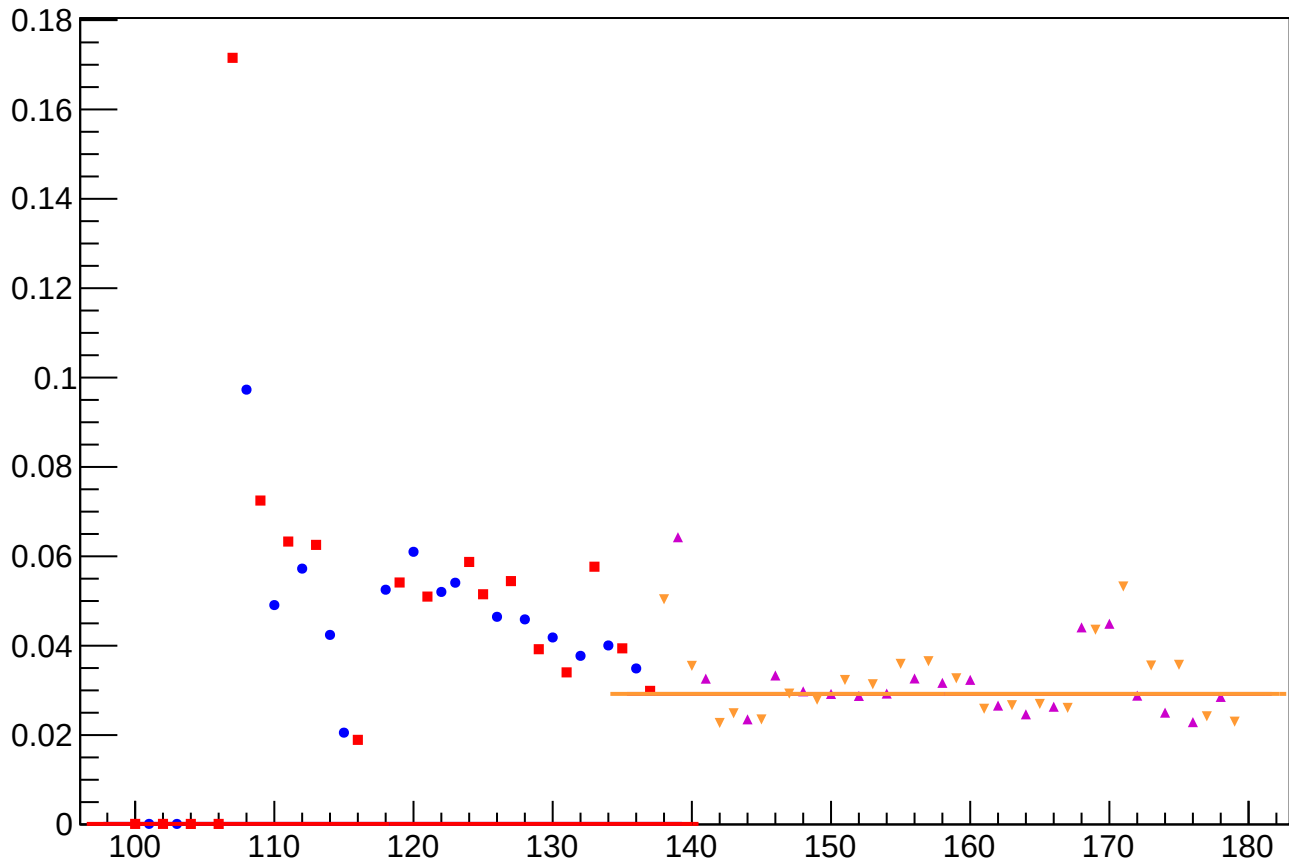
Left In: -0.652 $\pm$ 0.000 χ^2 /NDF: 113730141.9/19

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 913737668027.0/38

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 7774608157465

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756561275502739.0

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

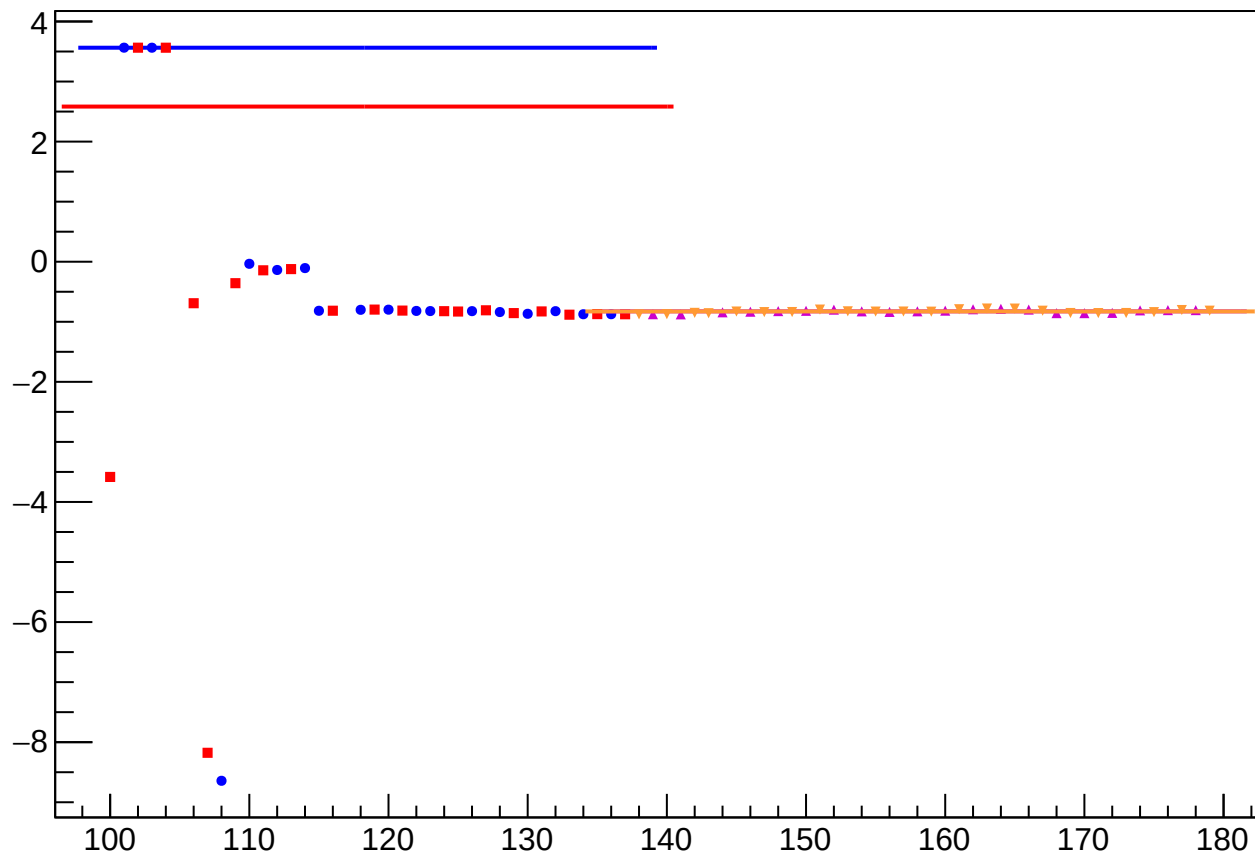
Left In: 0.029+/-0.000 χ^2/NDF :1059780.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 35884205.3/38

All: 0.000+/-0.000 χ^2/NDF : 70382039.0/77

- sign 0.000+/-0.000 χ^2/NDF : 34497180.4/38

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.828+/-0.000 χ^2/NDF : 157980912.1/21

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

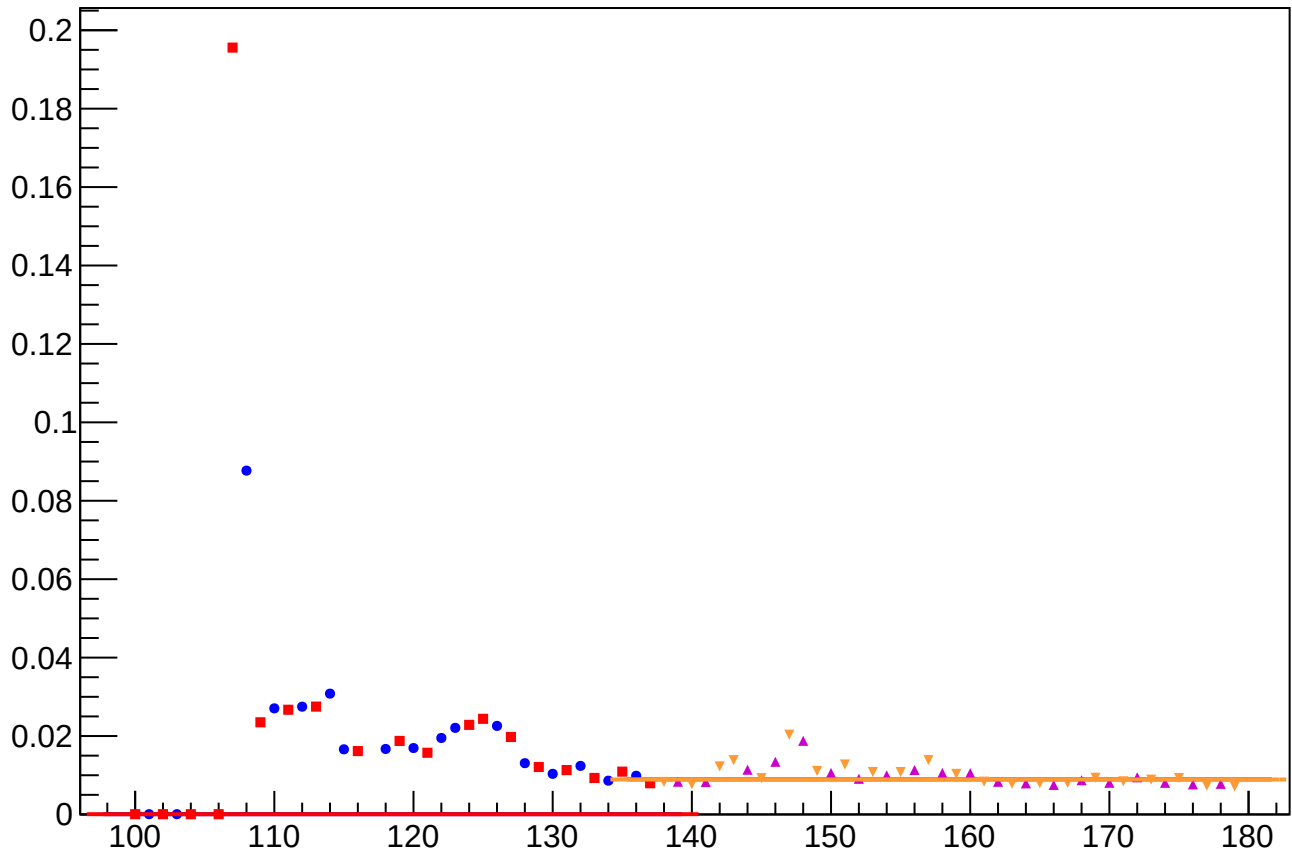
Left In: -0.826+/-0.000 χ^2/NDF : 137183404.6/19

+ sign 3.560+/-0.000 χ^2/NDF : 3811474434573.6/38

All: 3.038+/-0.000 χ^2/NDF : 13872399883927

- sign 2.581+/-0.000 χ^2/NDF : 1255369418139482.0

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

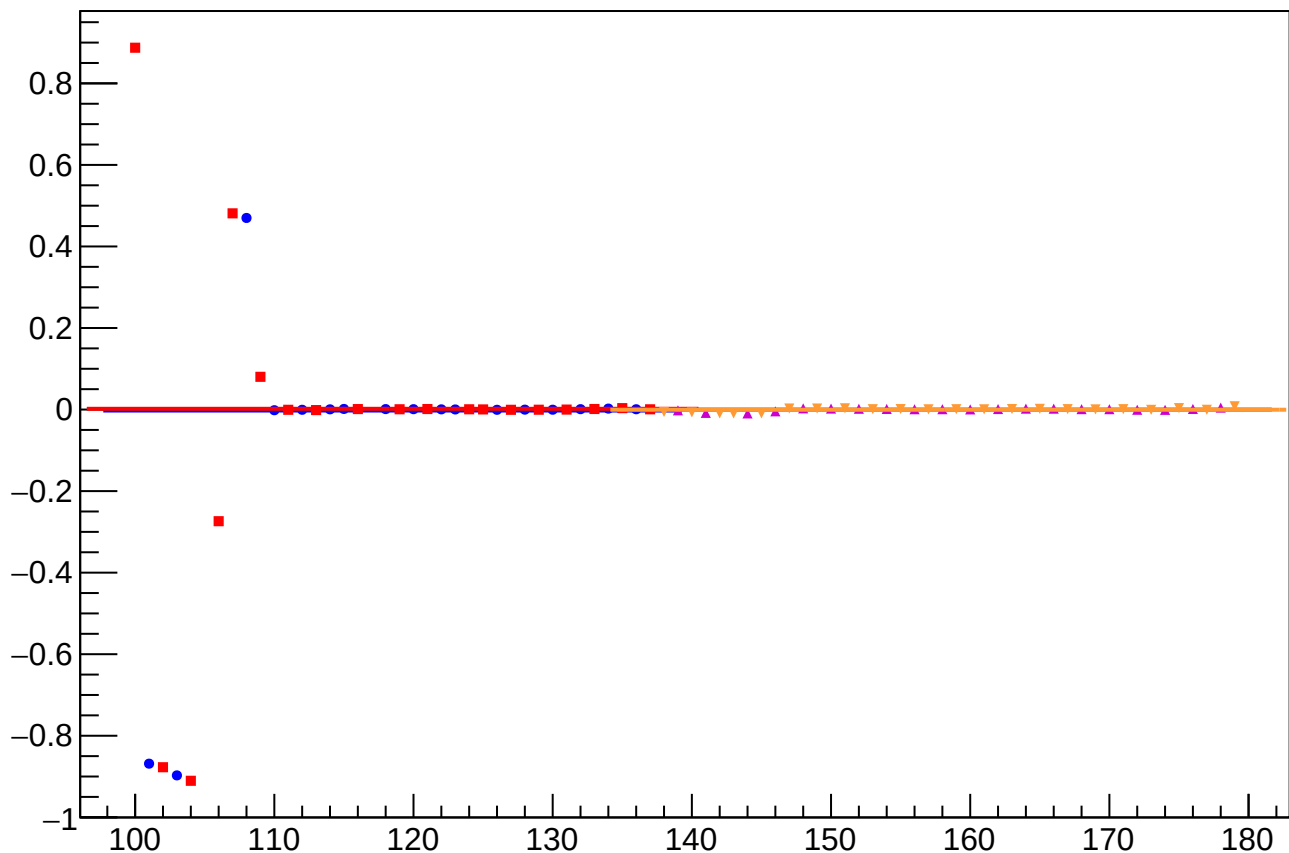
Left In: 0.009+/-0.000 χ^2/NDF :899219.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 38040927.4/38

All: 0.000+/-0.000 χ^2/NDF : 74121337.5/77

- sign 0.000+/-0.000 χ^2/NDF : 36079185.3/38

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

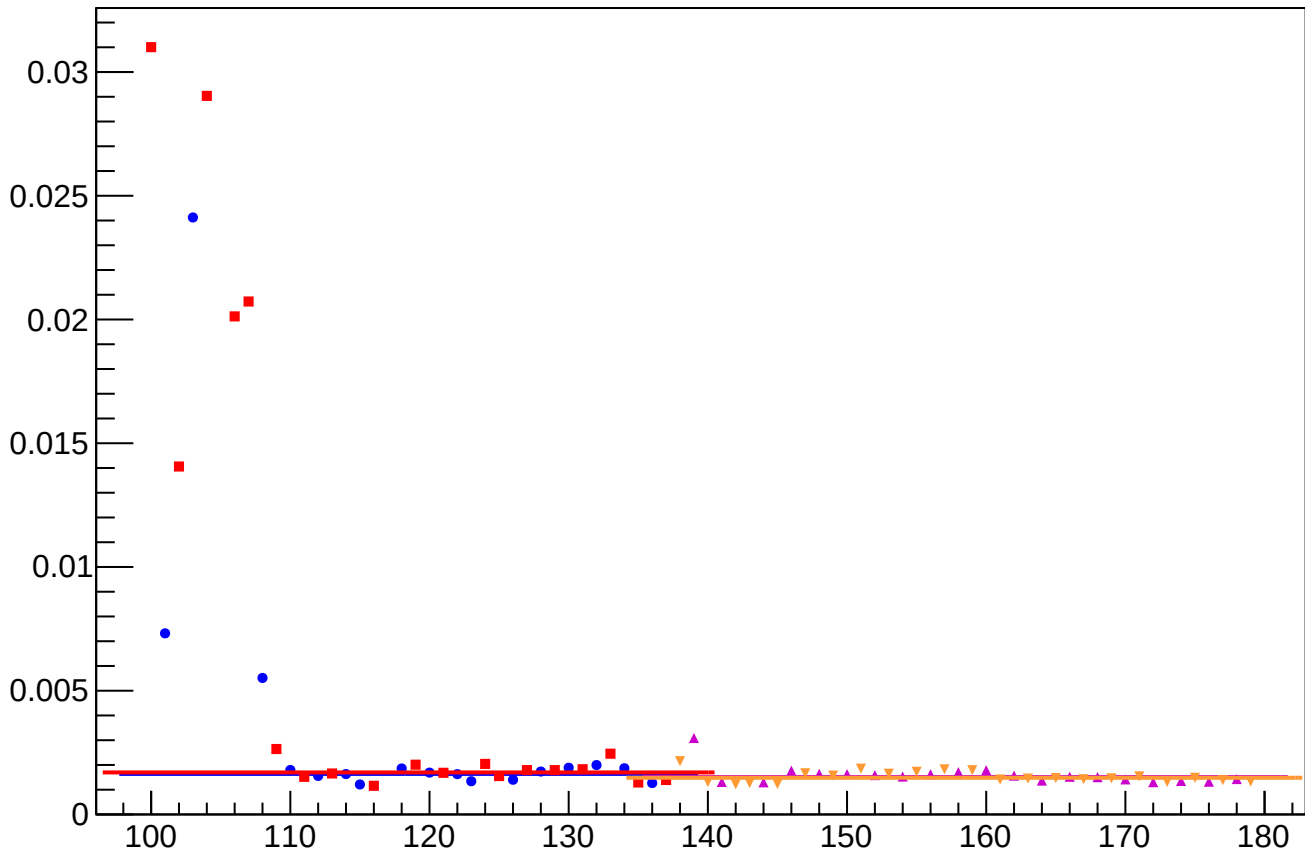
Left In: -0.000+/-0.000 χ^2/NDF :77038889.8/19

+ sign -0.001+/-0.000 χ^2/NDF : 9931360878.0/38

All: -0.000+/-0.000 χ^2/NDF : 13059282934.9/78

- sign 0.000+/-0.000 χ^2/NDF : 3123120828.9/38

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

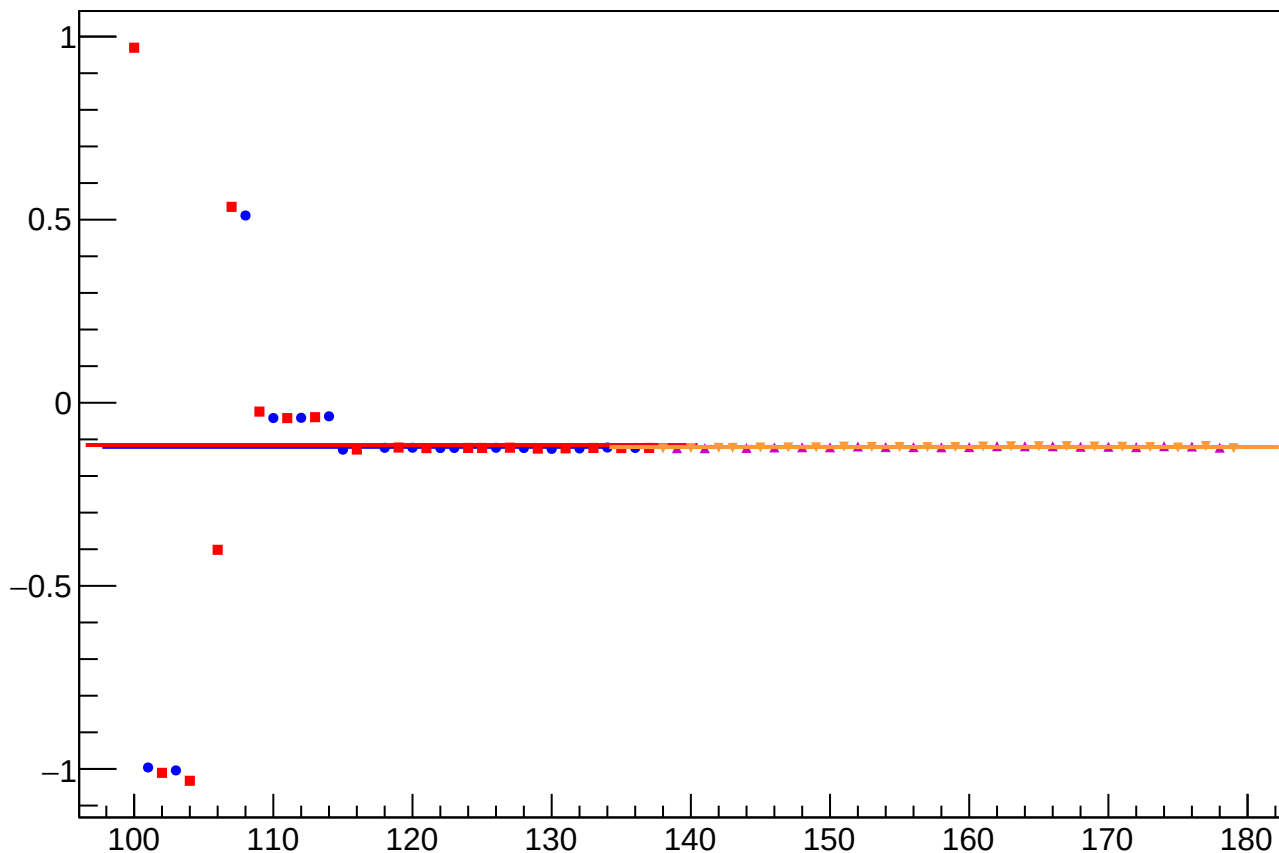
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:633768.0/19

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2462424.4/38

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6214269.4/77

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3743207.9/38

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

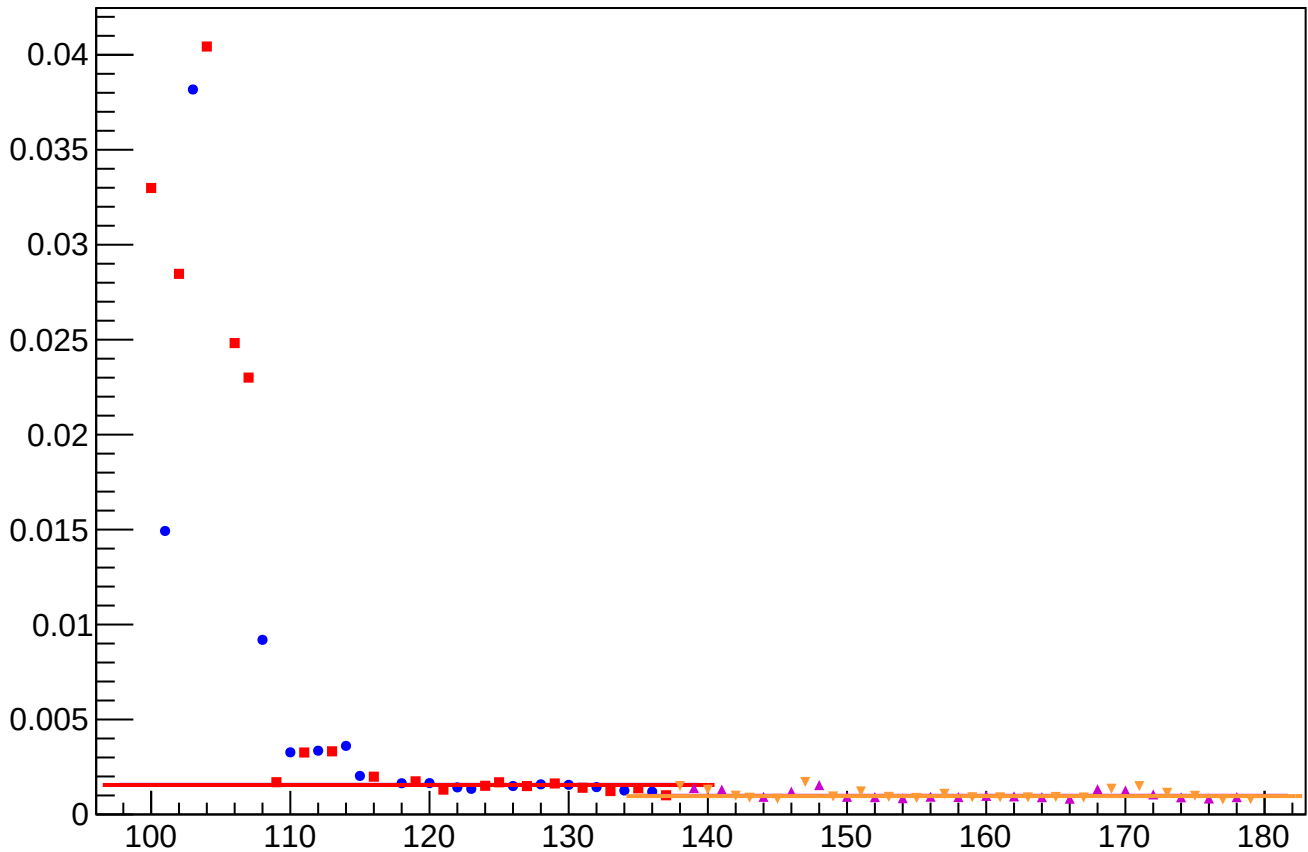
Left In: -0.121+/-0.000 χ^2/NDF : 38129448.7/19

+ sign -0.121+/-0.000 χ^2/NDF : 3987338964.8/38

All: -0.121+/-0.000 χ^2/NDF : 6534672240.0/7

- sign -0.120+/-0.000 χ^2/NDF : 2542165516.6/38

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

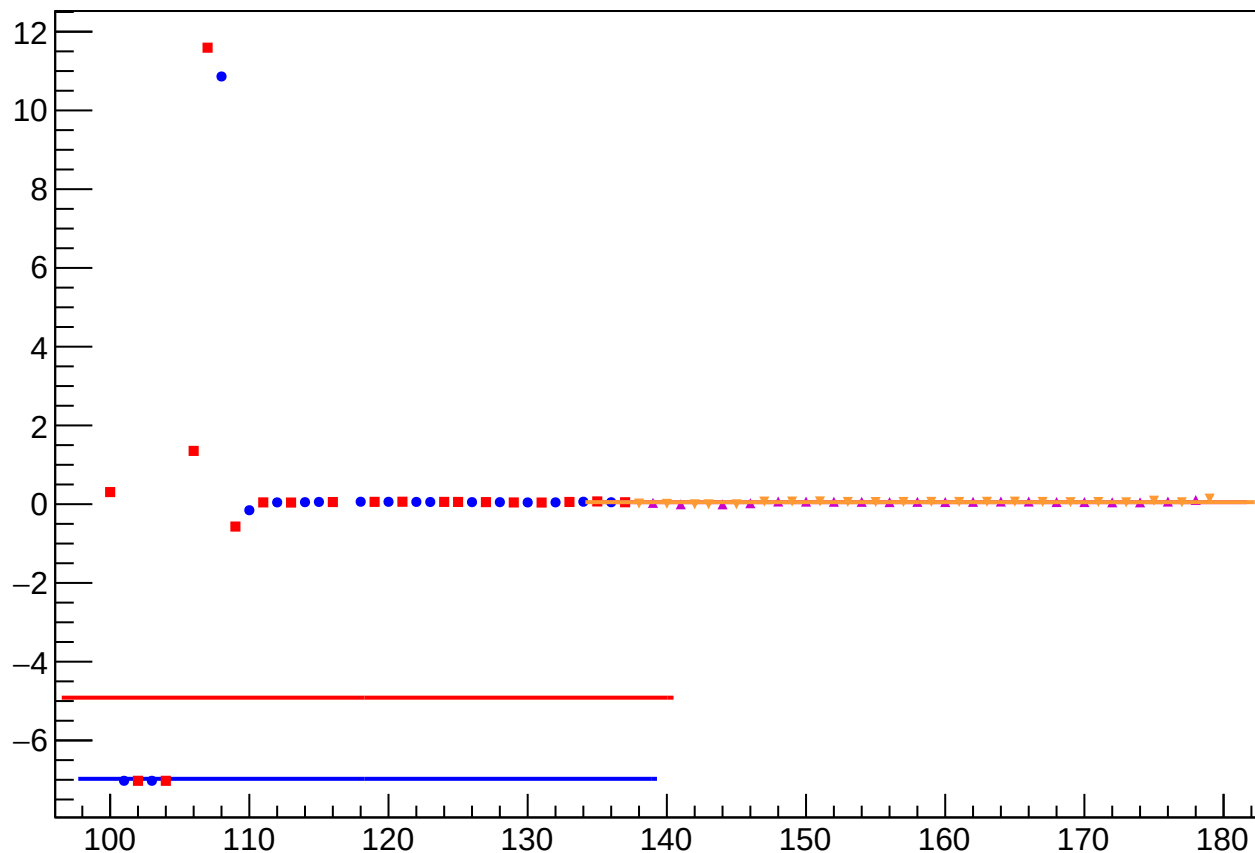
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:809520.7/19

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5284983.8/38

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10730154.4/77

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5439446.9/38

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

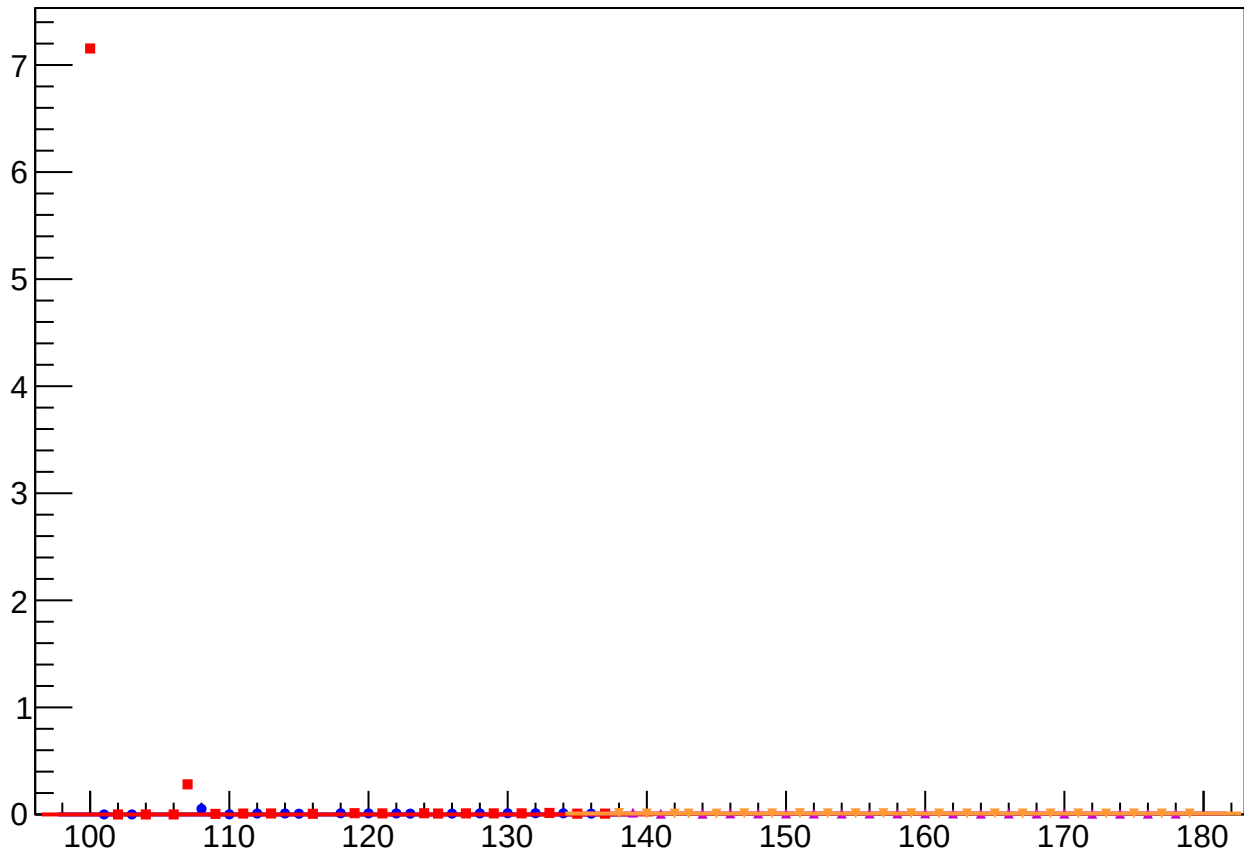
Left In: 0.052+/-0.000 χ^2 /NDF:106287376.5/19

+ sign -6.927+/-0.000 χ^2 /NDF: 17293005099283.2/16

All: -5.863+/-0.000 χ^2 /NDF: 4419807674640.0/16

- sign -4.886+/-0.000 χ^2 /NDF: 369217113246058.5/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 472348.4/21

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

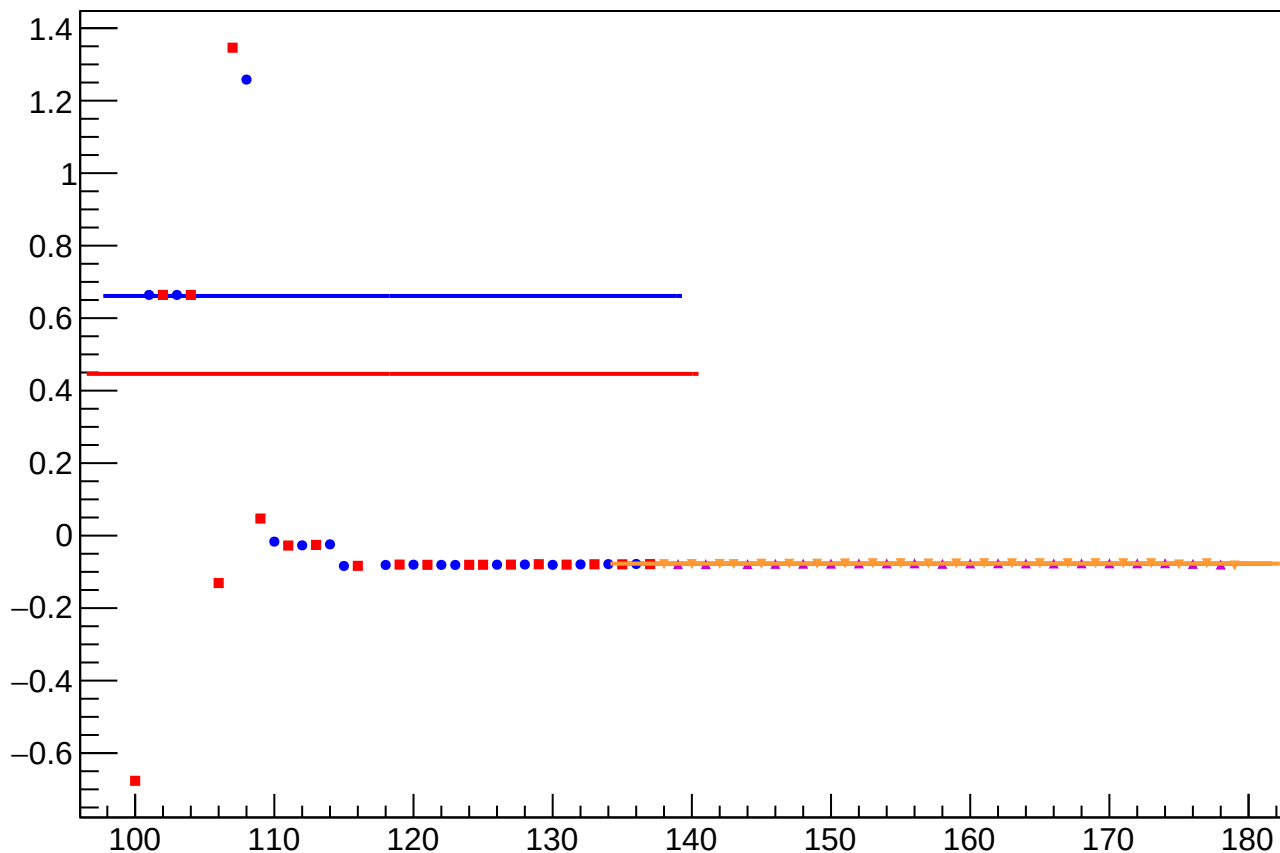
Left In: 0.009+/-0.000 χ^2/NDF : 625815.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 34278952.0/38

All: 0.000+/-0.000 χ^2/NDF : 67647816.7/77

- sign 0.000+/-0.000 χ^2/NDF : 33364751.9/38

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

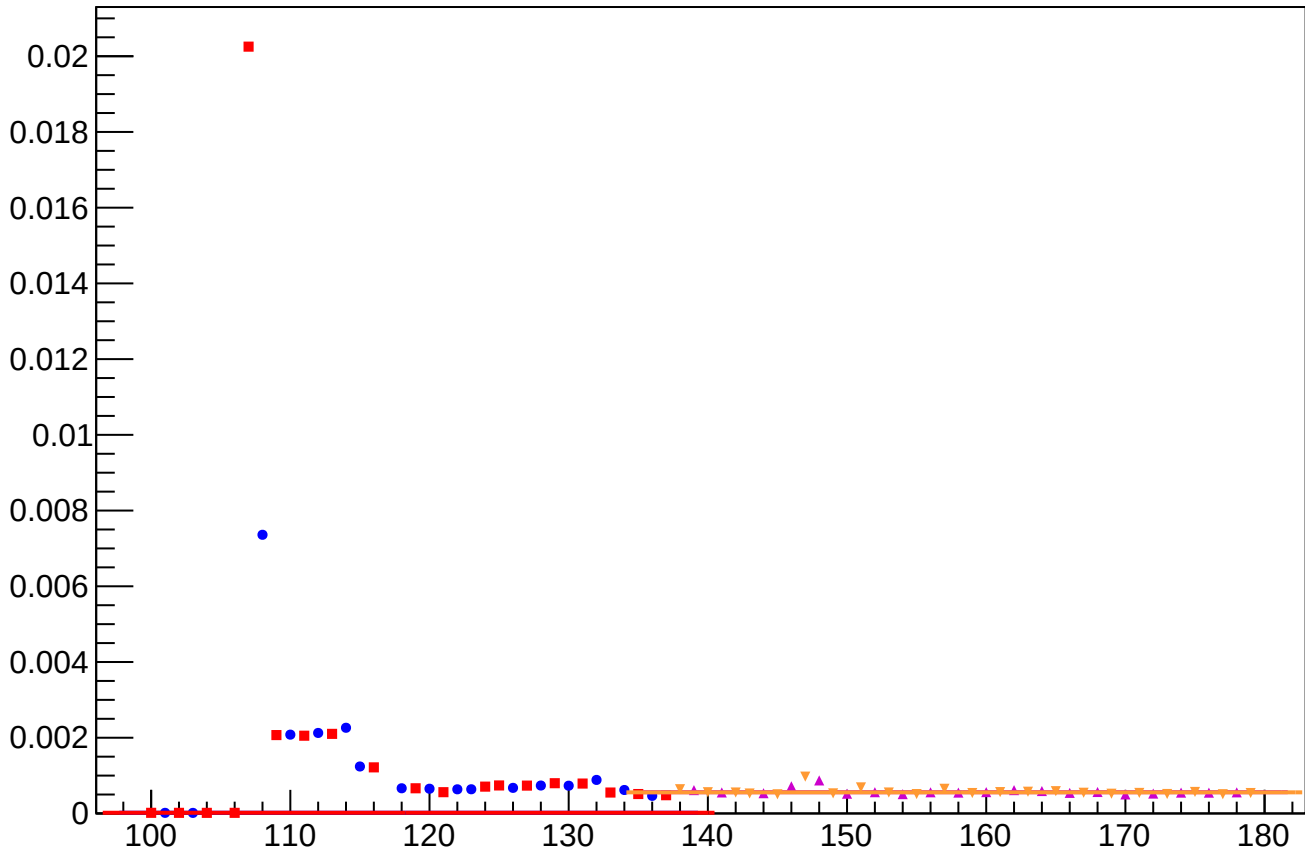
Left In: -0.077+/-0.000 χ^2/NDF : 46652982.2/19

+ sign 0.647+/-0.000 χ^2/NDF : 32844020779997.7/3

All: 0.538+/-0.000 χ^2/NDF : 51167382988057

- sign 0.438+/-0.000 χ^2/NDF : 418097587330279.7/3

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

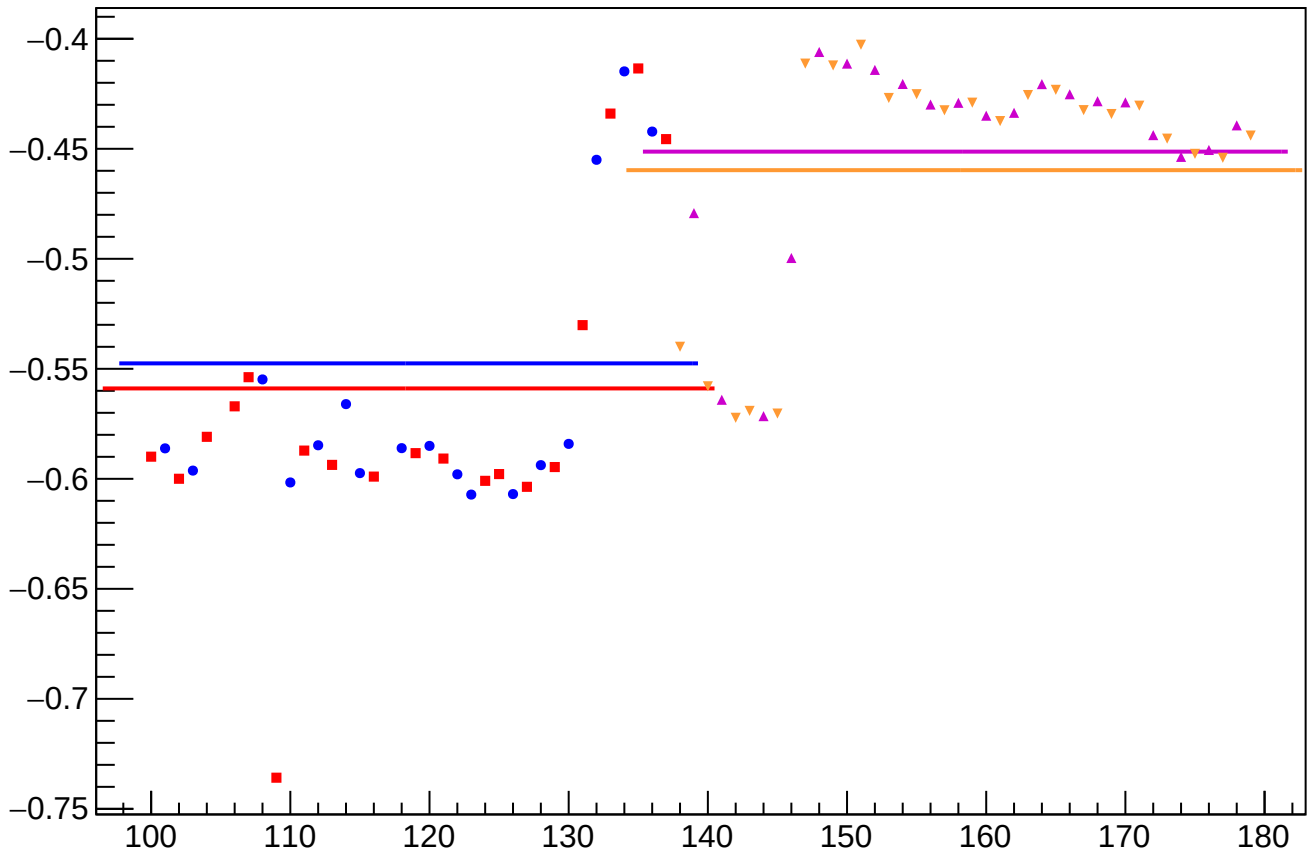
Left In: 0.001+/-0.000 χ^2/NDF : 353294.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 39363838.8/38

All: 0.000+/-0.000 χ^2/NDF : 76572415.0/77

- sign 0.000+/-0.000 χ^2/NDF : 37201806.1/38

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

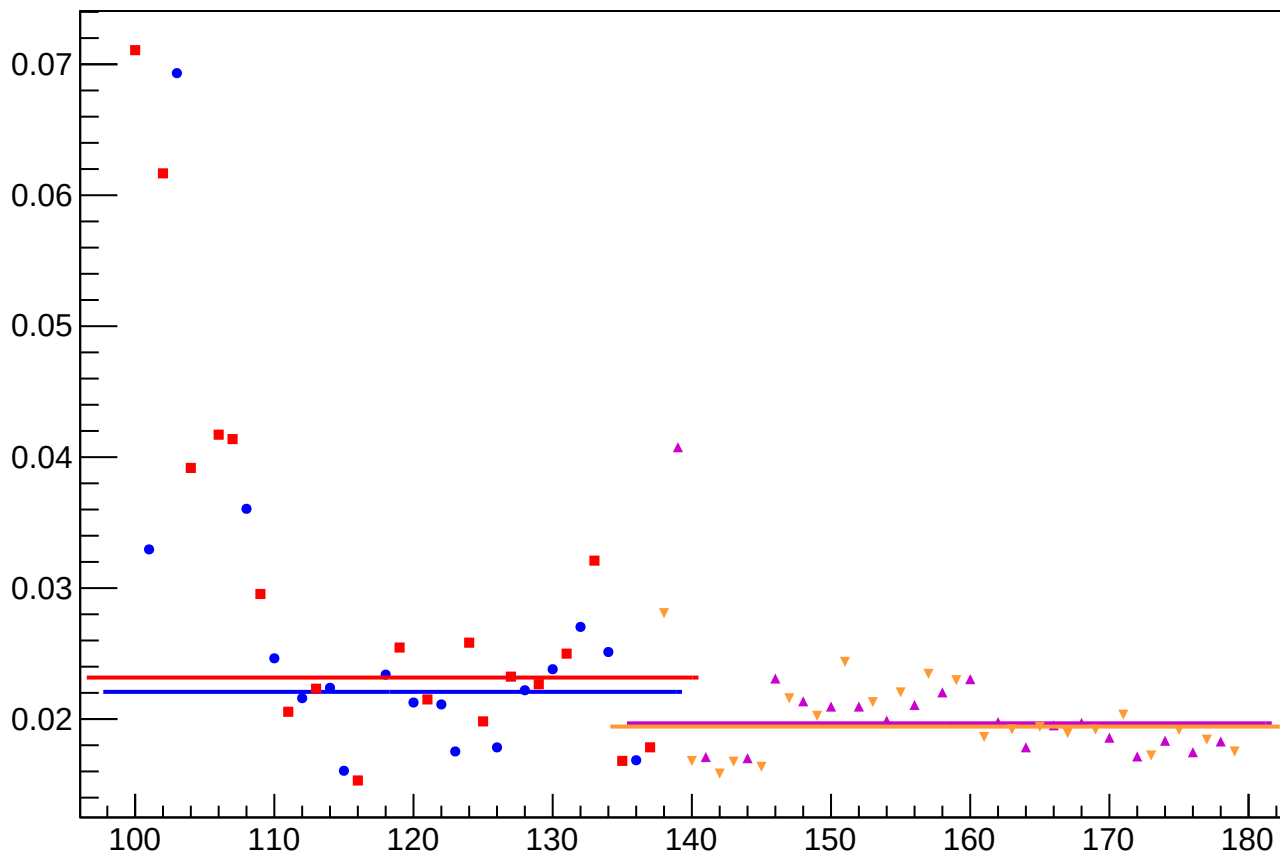
Left In: -0.451+/-0.000 χ^2/NDF : 75554664.4/19

+ sign -0.480+/-0.000 χ^2/NDF : 217688682.4/38

All: -0.478+/-0.000 χ^2/NDF : 446597547.4/77

- sign -0.477+/-0.000 χ^2/NDF : 228714224.4/38

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

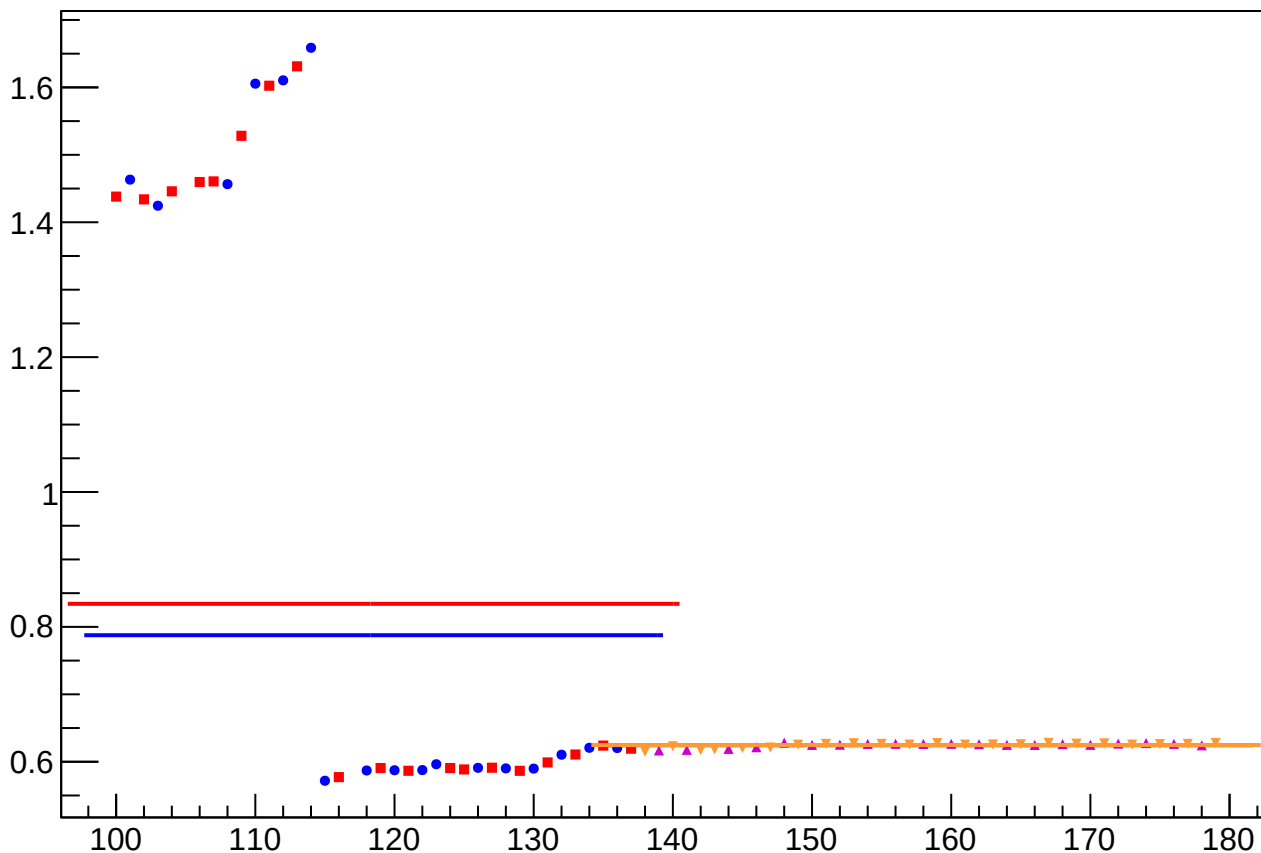
Left In: 0.020 ± 0.000 χ^2/NDF : 612970.7/19

+ sign 0.020 ± 0.000 χ^2/NDF : 1514750.9/38

All: 0.020 ± 0.000 χ^2/NDF : 3479429.3/77

- sign 0.020 ± 0.000 χ^2/NDF : 1954974.9/38

yield_bpm4aY_mean vs Slug



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.625+/-0.000 χ^2/NDF :1344007.8/21

Right Out: 0.834+/-0.000 χ^2/NDF : 4152115639.4/18

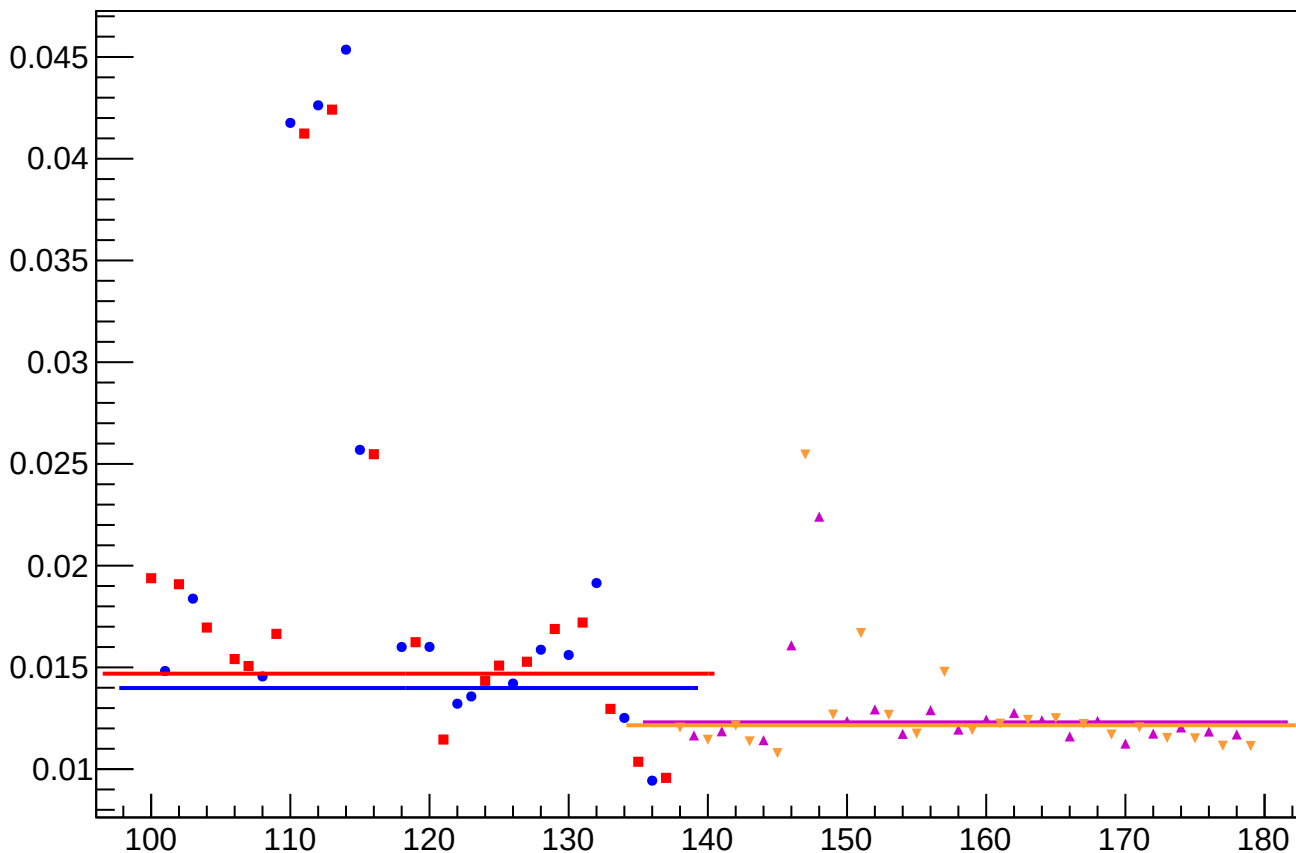
Left In: 0.624+/-0.000 χ^2/NDF :1049799.3/19

+ sign 0.659+/-0.000 χ^2/NDF : 4183968508.9/38

All: 0.665+/-0.000 χ^2/NDF : 9300748134.3/77

- sign 0.671+/-0.000 χ^2/NDF : 5108205002.6/38

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

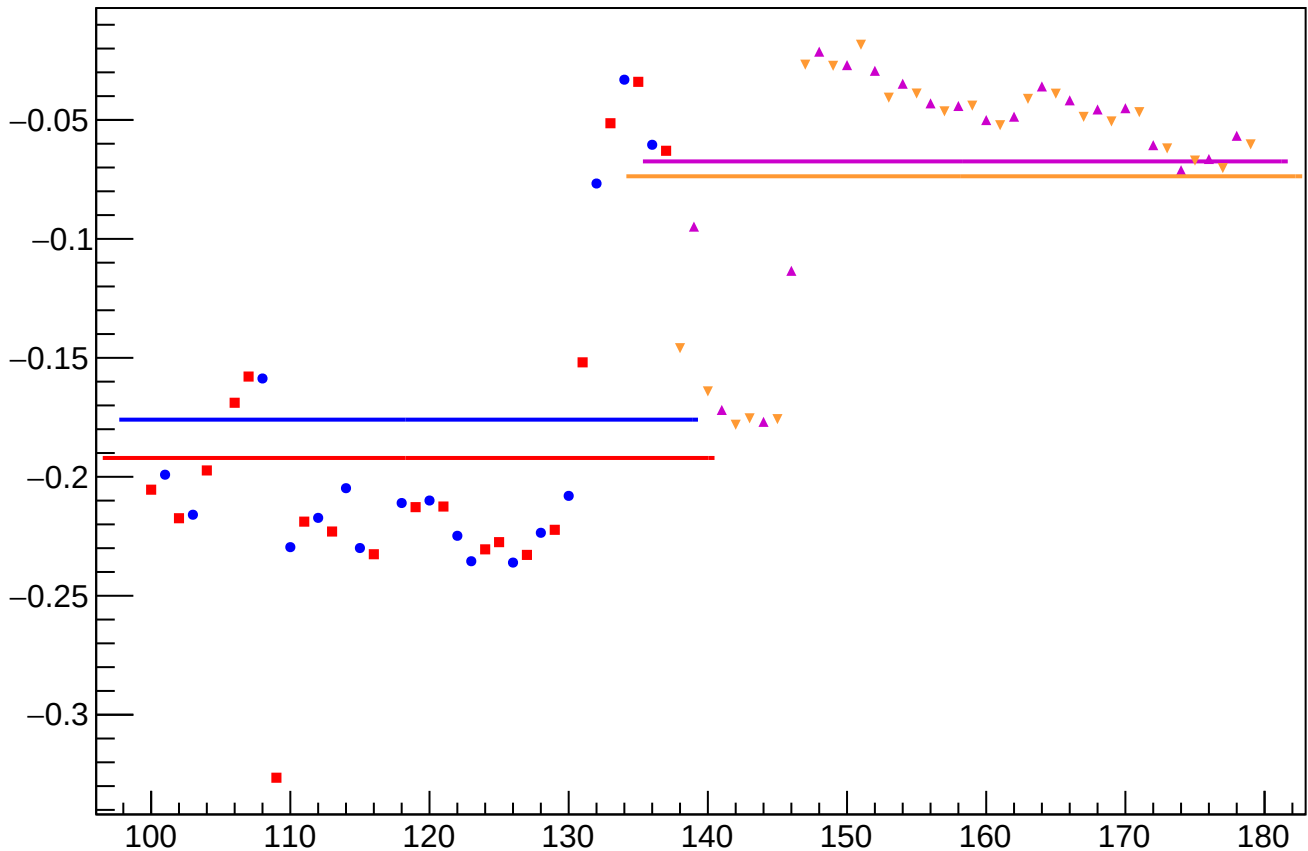
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:448293.5/19

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2191807.9/38

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4157954.1/77

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1955763.4/38

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

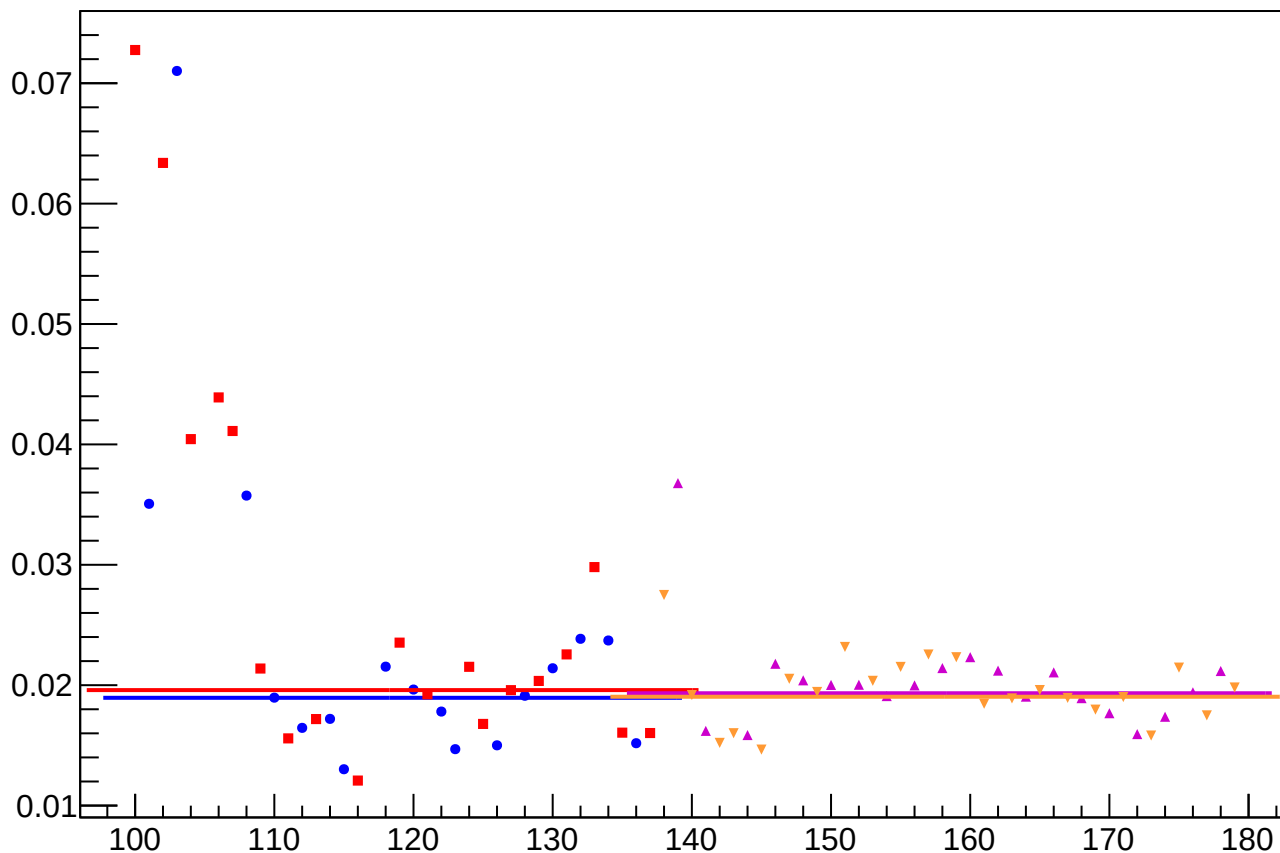
Left In: -0.067+/-0.000 χ^2/NDF : 75828546.4/19

+ sign -0.101+/-0.000 χ^2/NDF : 277320692.5/38

All: -0.102+/-0.000 χ^2/NDF : 586501764.1/77

- sign -0.103+/-0.000 χ^2/NDF : 309109297.9/38

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

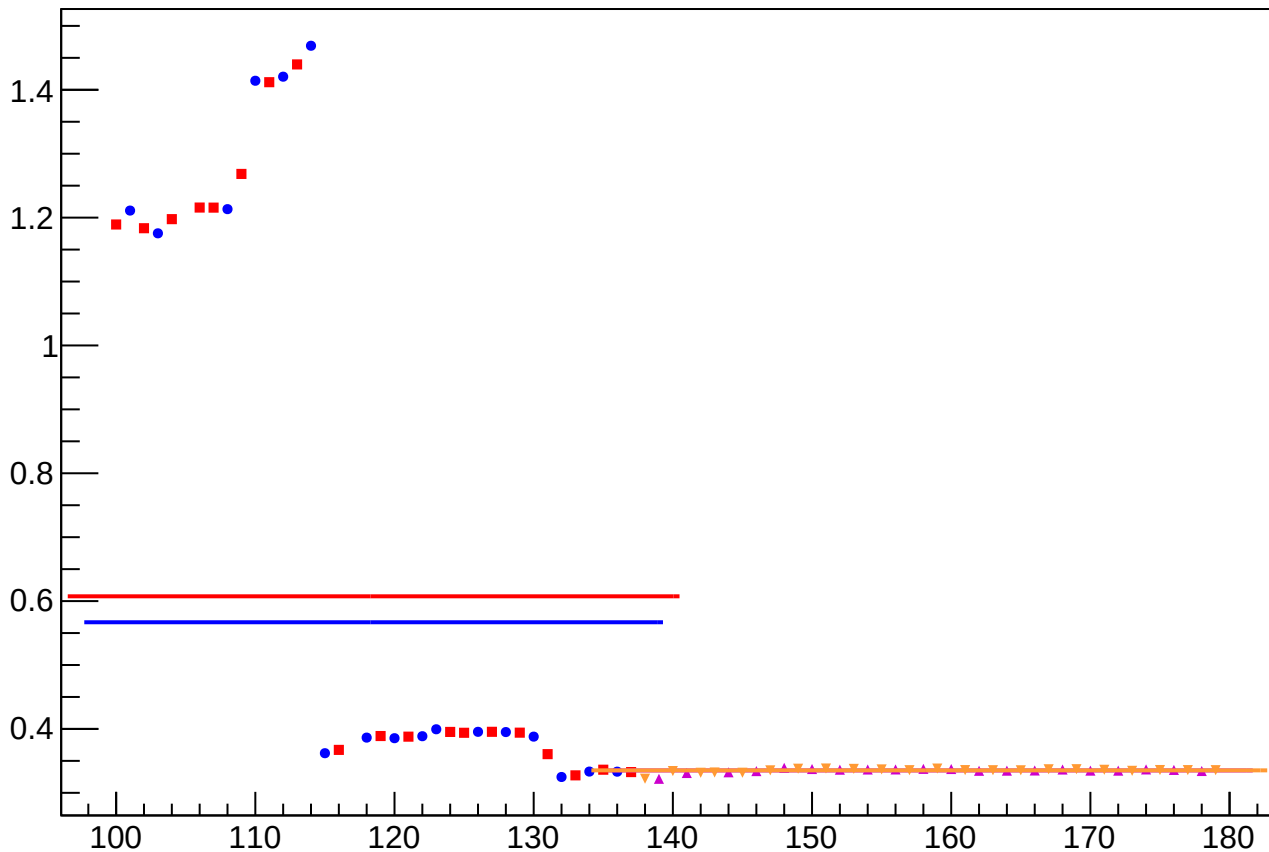
Left In: 0.019+/-0.000 χ^2/NDF : 599362.6/19

+ sign 0.019+/-0.000 χ^2/NDF : 1711096.5/38

All: 0.019+/-0.000 χ^2/NDF : 3774554.6/77

- sign 0.019+/-0.000 χ^2/NDF : 2056010.6/38

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1137296.3/21

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

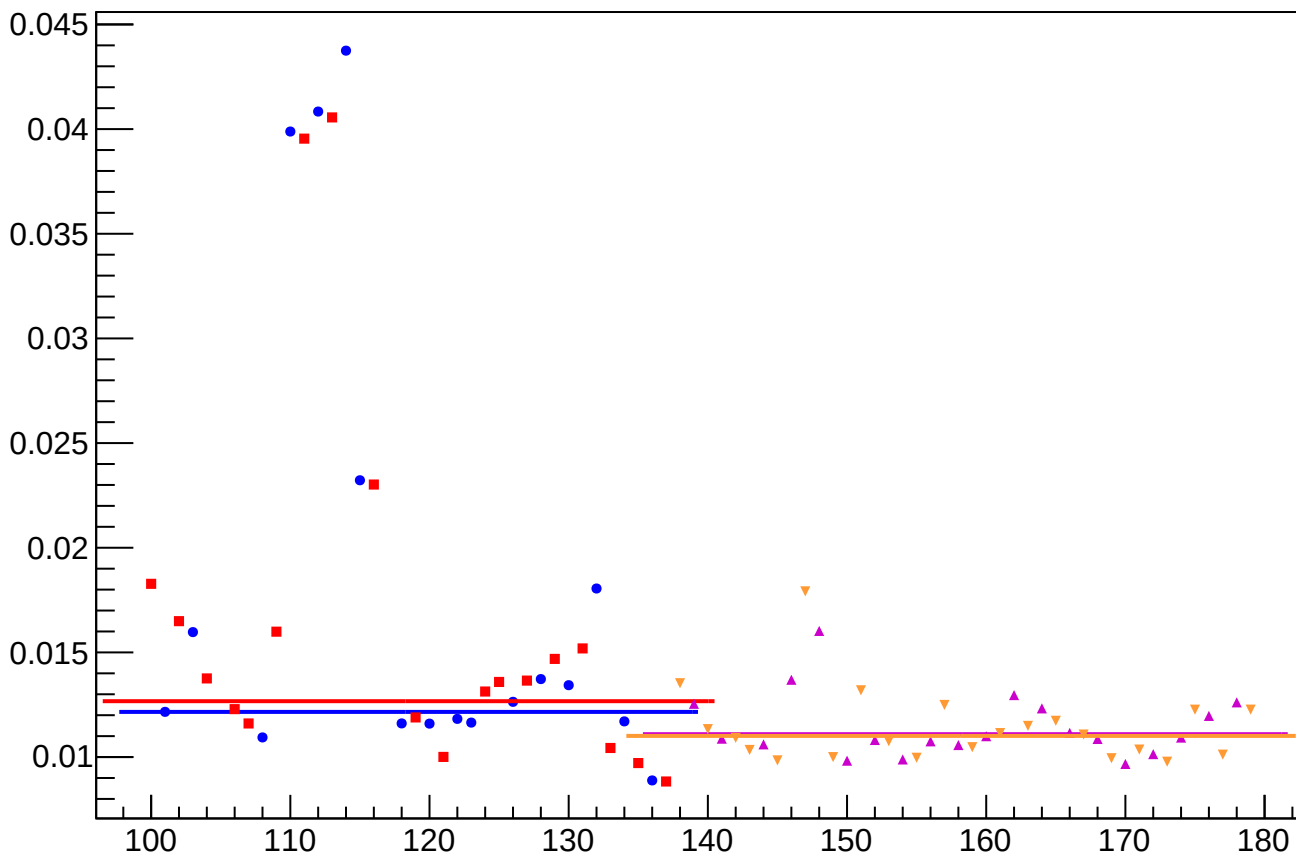
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1194726.1/19

+ sign 0.387 $\pm$ 0.000 χ^2 /NDF: 6594641883.1/38

All: 0.393 $\pm$ 0.000 χ^2 /NDF: 14197642397.6/77

- sign 0.399 $\pm$ 0.000 χ^2 /NDF: 7592692092.3/38

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

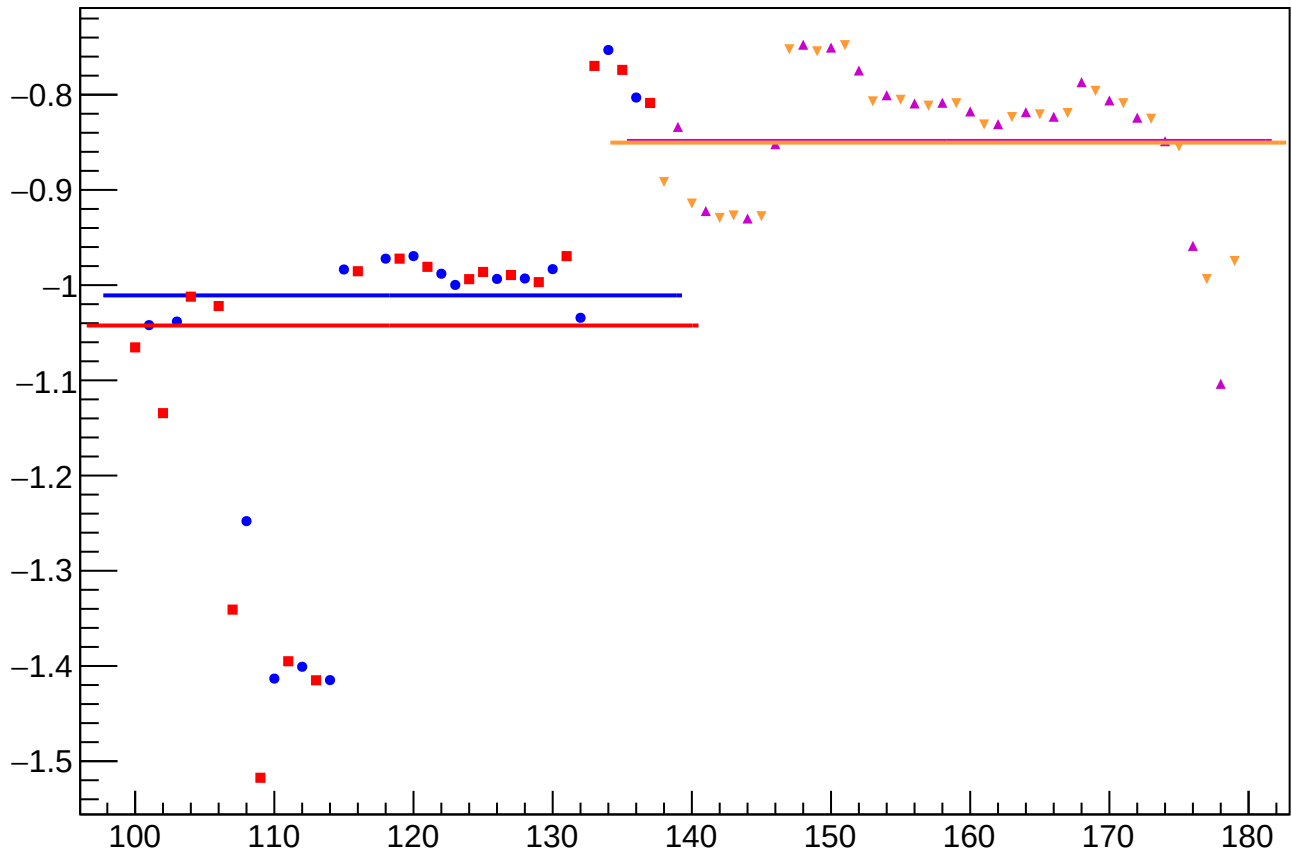
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 400104.7/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1881595.0/38

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3694529.5/77

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1806988.5/38

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

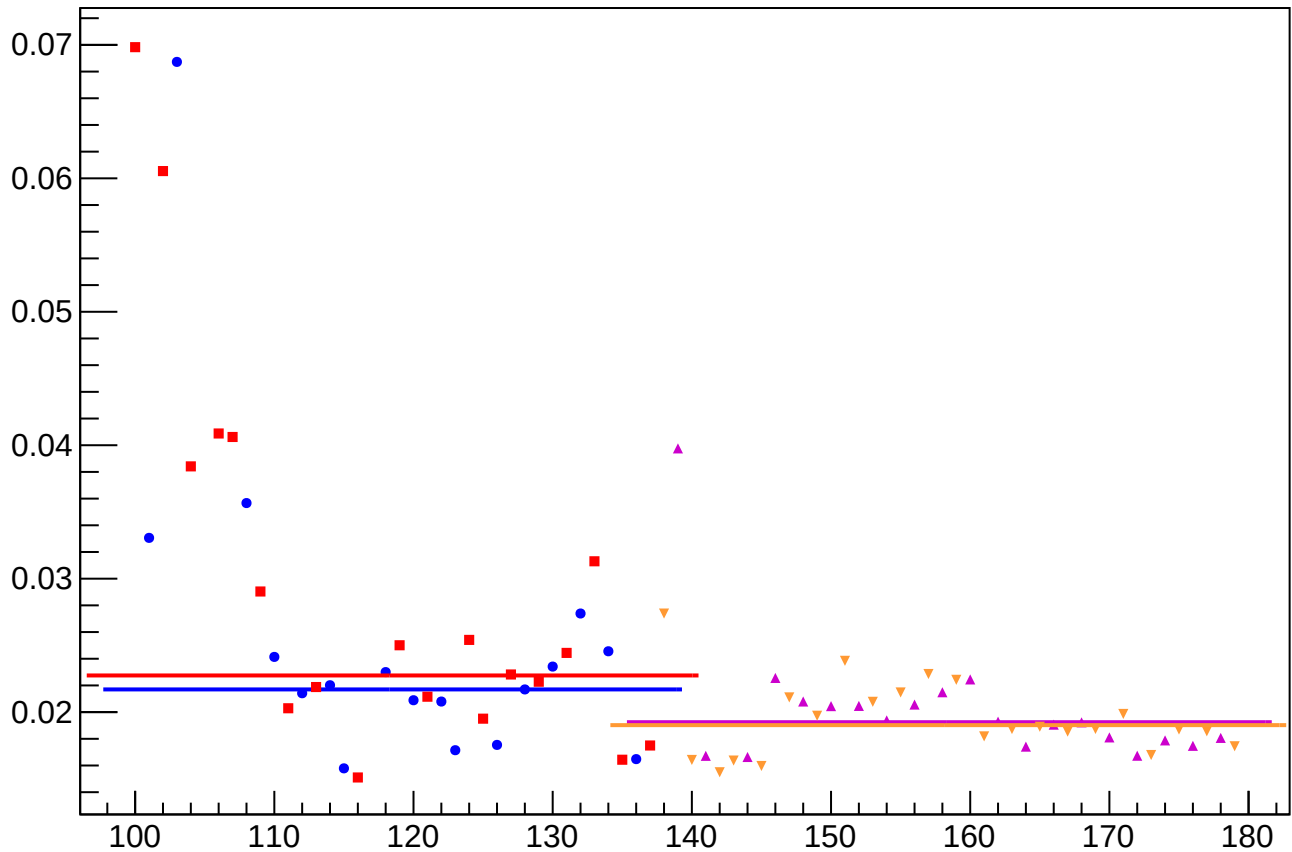
Left In: -0.849+/-0.000 χ^2/NDF : 246220212.0/19

+ sign -0.886+/-0.000 χ^2/NDF : 780695113.6/38

All: -0.890+/-0.000 χ^2/NDF : 1852754495.2/7

- sign -0.894+/-0.000 χ^2/NDF : 1070807385.1/38

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 436456.5/21

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

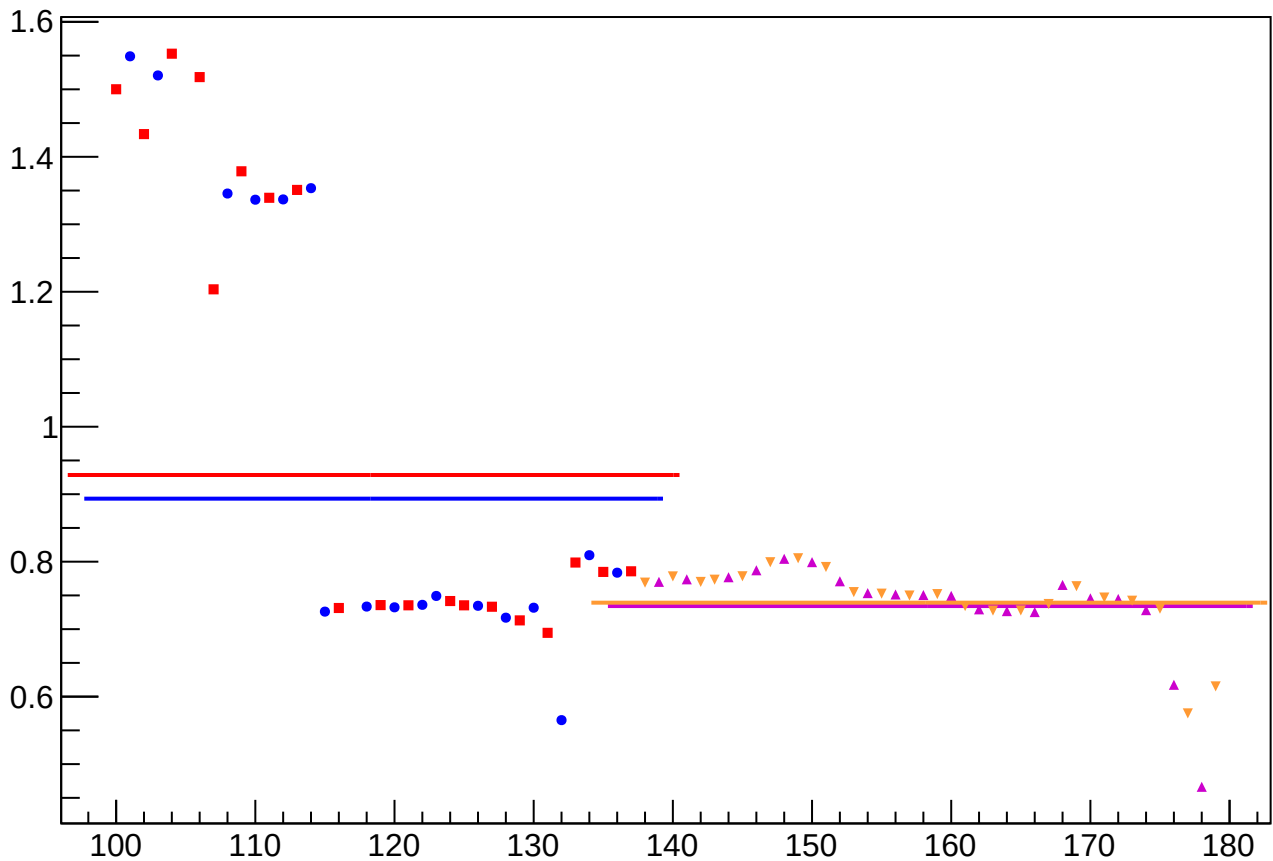
Left In: 0.019+/-0.000 χ^2/NDF : 600721.9/19

+ sign 0.020+/-0.000 χ^2/NDF : 1534509.8/38

All: 0.020+/-0.000 χ^2/NDF : 3489256.8/77

- sign 0.020+/-0.000 χ^2/NDF : 1946056.5/38

yield_bpm4acY_mean vs Slug



Right In: 0.893 $\pm$ 0.000 χ^2 /NDF: 2408017556.1/16

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:315302034.8/21

+ sign 0.771 $\pm$ 0.000 χ^2 /NDF: 3244265873.7/38

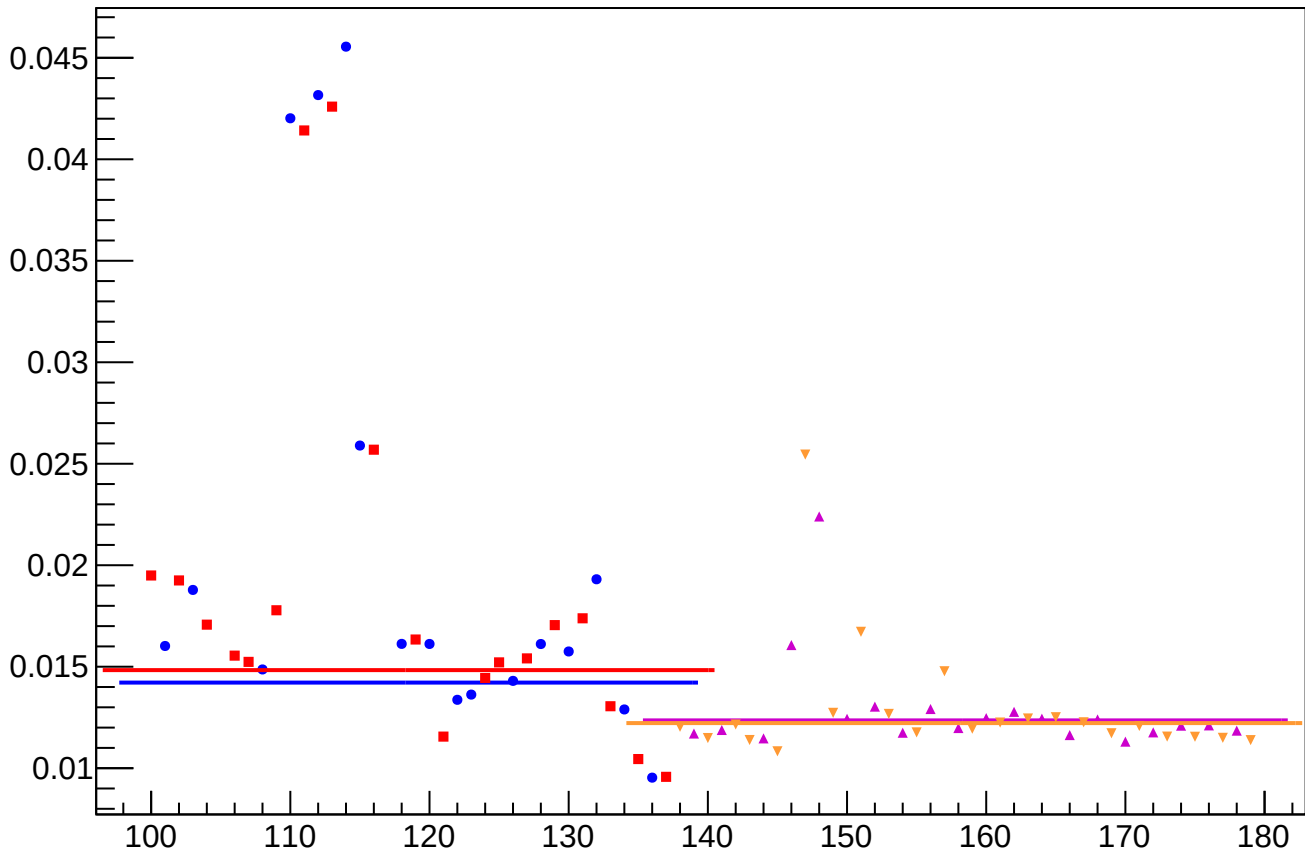
Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2435640156.0/18

All: 0.774 $\pm$ 0.000 χ^2 /NDF: 7024249118.0/77

- sign 0.776 $\pm$ 0.000 χ^2 /NDF: 3778116845.4/38

Left In: 0.734 $\pm$ 0.000 χ^2 /NDF:539915389.7/19

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

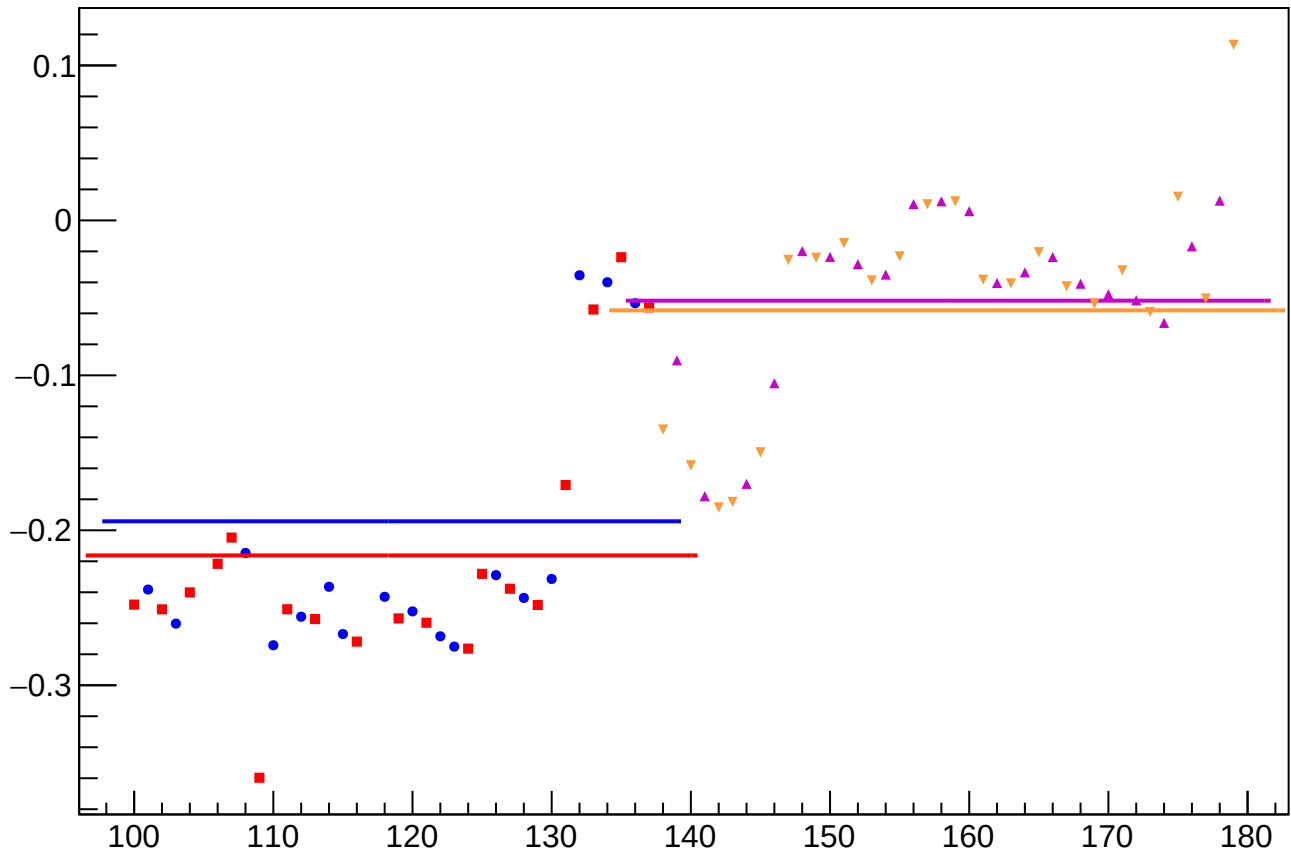
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:440577.9/19

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2207888.4/38

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4187774.3/77

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1971190.1/38

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

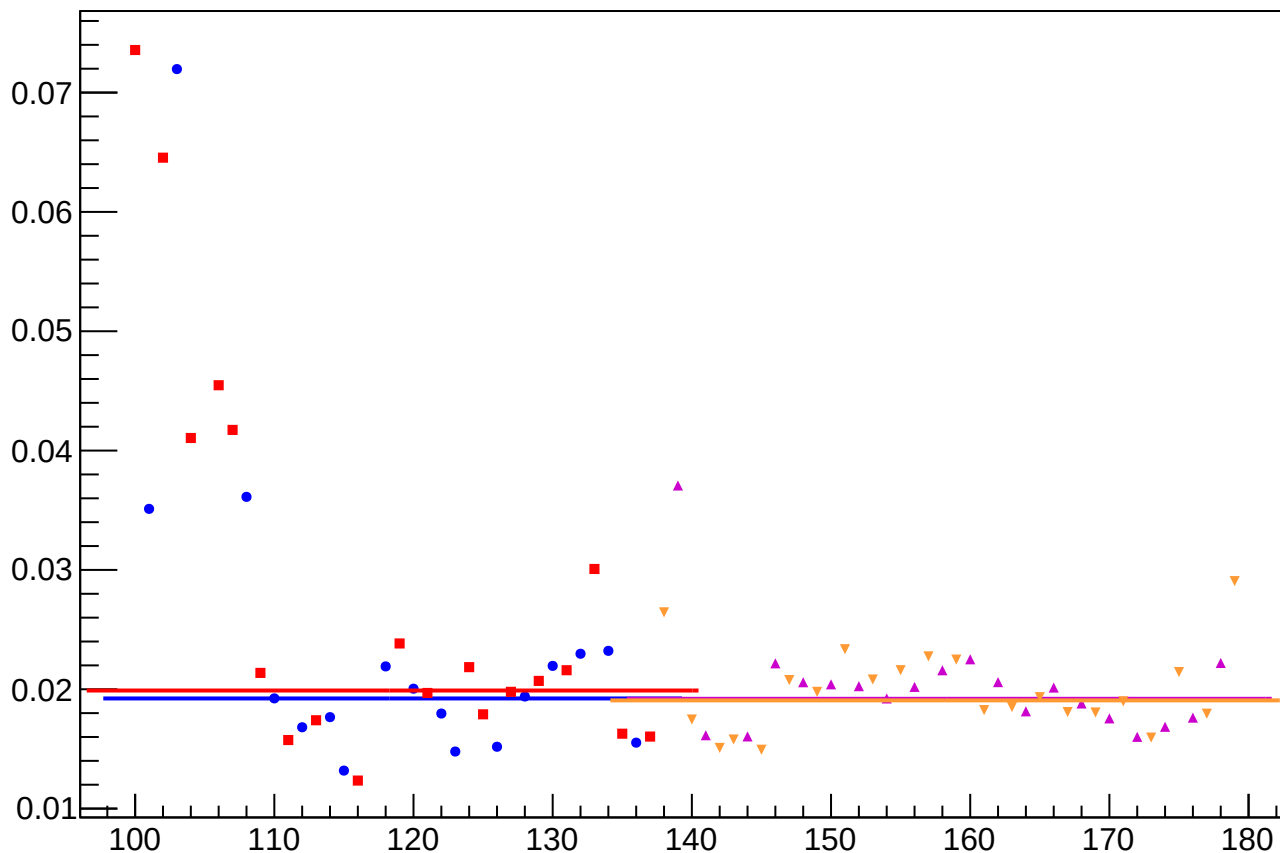
Left In: -0.052+/-0.000 χ^2/NDF : 106128364.3/19

+ sign -0.095+/-0.000 χ^2/NDF : 432840064.2/38

All: -0.096+/-0.000 χ^2/NDF : 905203381.9/77

- sign -0.098+/-0.000 χ^2/NDF : 472186345.9/38

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

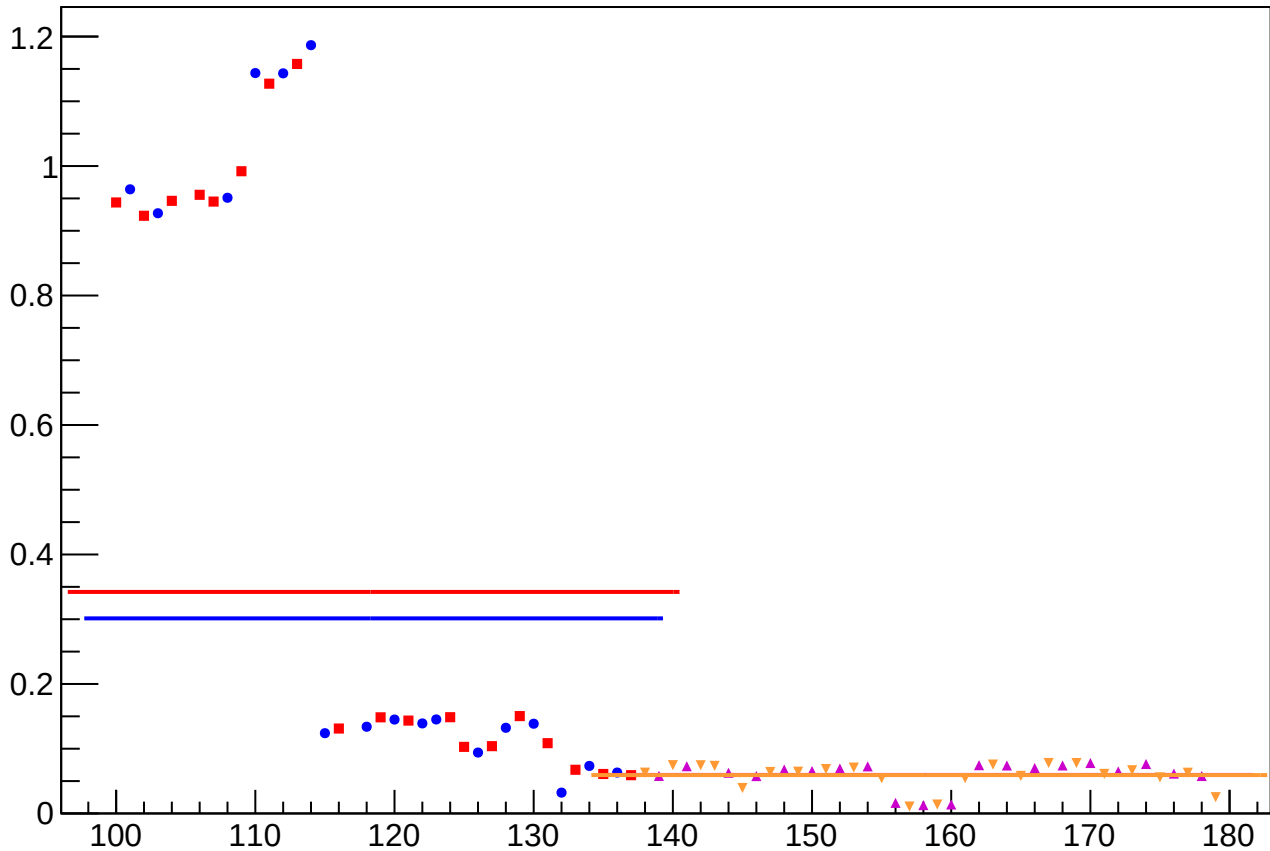
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 639872.1/19

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1783513.6/38

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3880754.7/77

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2093411.0/38

yield_bpm4ecY_mean vs Slug



Right In: 0.301 $\pm$ 0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.059 $\pm$ 0.000 χ^2/NDF : 46052863.7/21

Right Out: 0.342 $\pm$ 0.000 χ^2/NDF : 5442717599.3/18

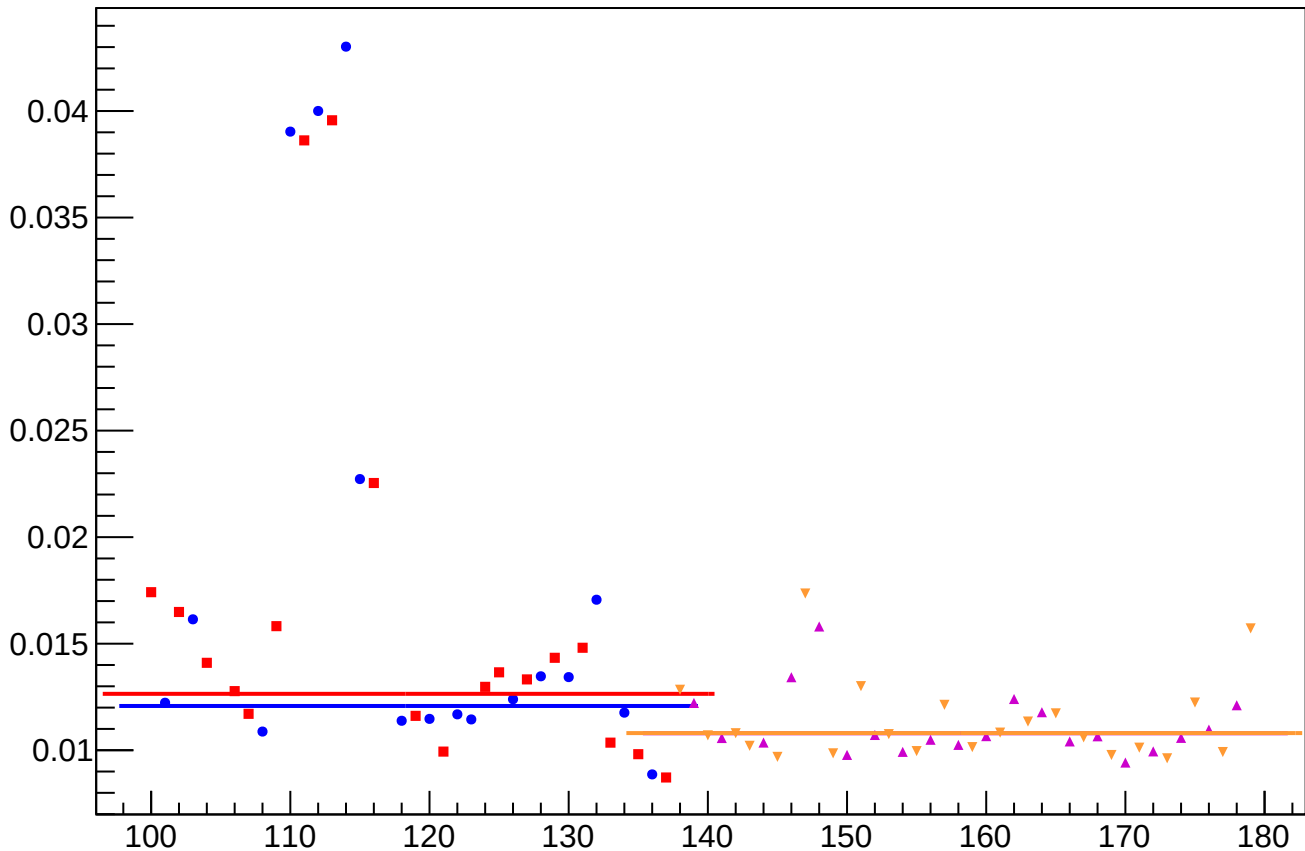
Left In: 0.060 $\pm$ 0.000 χ^2/NDF : 57340216.6/19

+ sign 0.114 $\pm$ 0.000 χ^2/NDF : 6944299681.1/38

All: 0.119 $\pm$ 0.000 χ^2/NDF : 14728382365.6/7

- sign 0.123 $\pm$ 0.000 χ^2/NDF : 7776817053.2/38

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

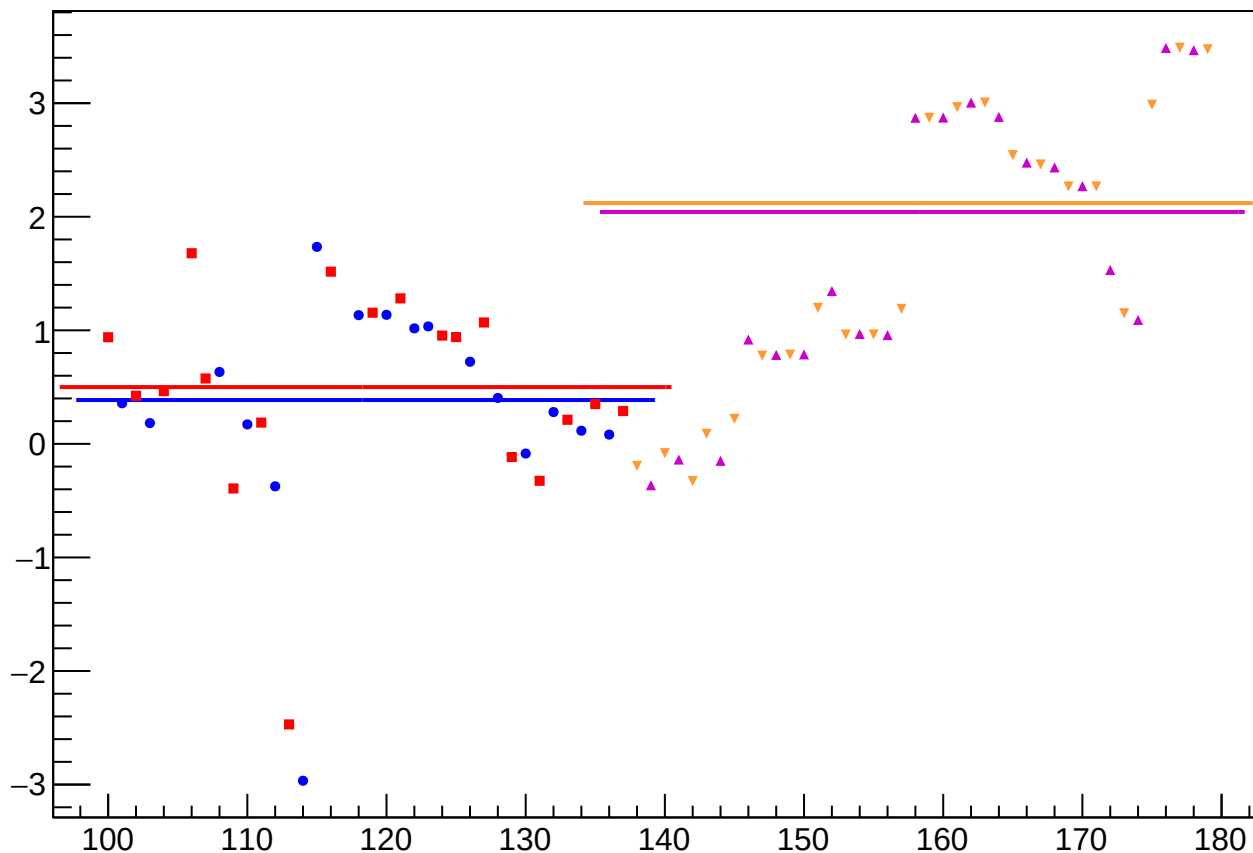
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:366138.9/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1912308.3/38

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3712300.4/77

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1797532.3/38

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

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

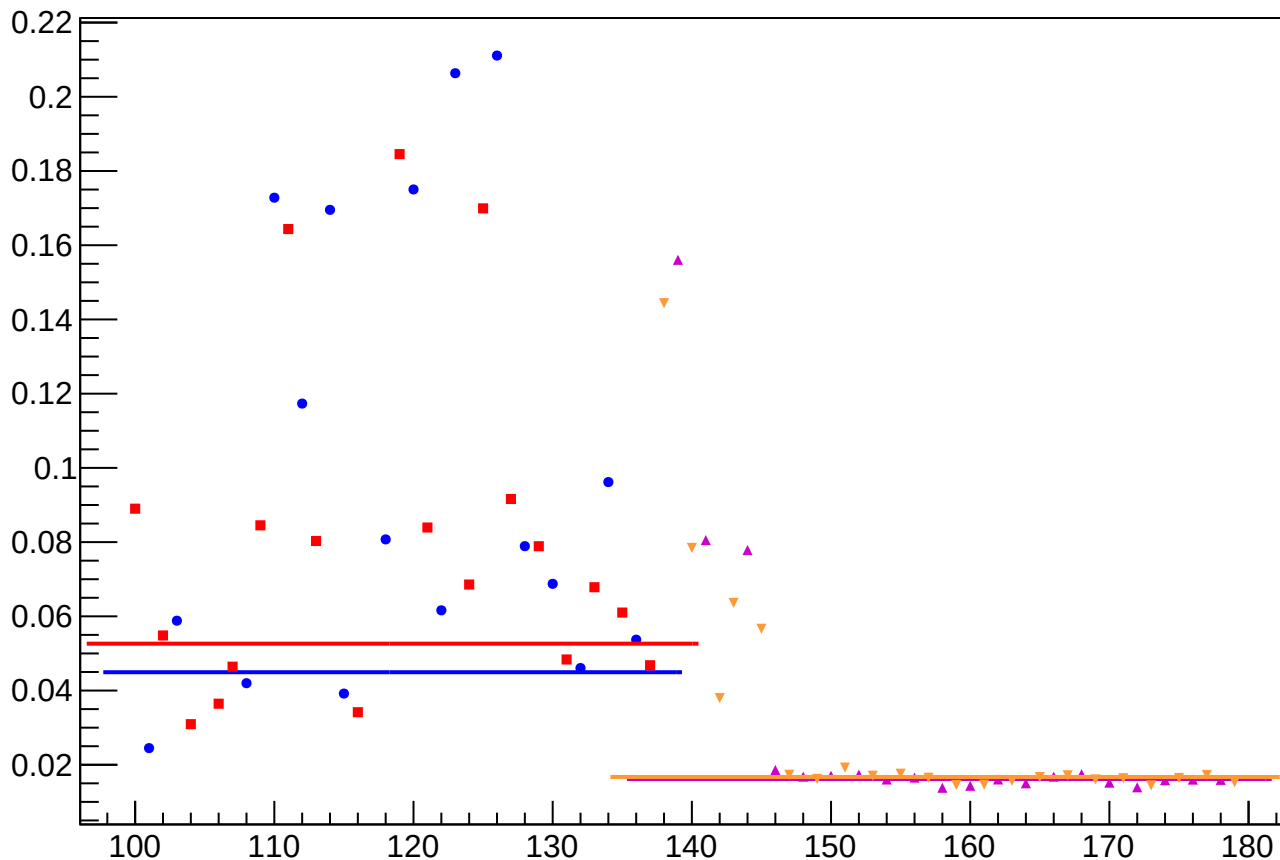
Left In: 2.042+/-0.000 χ^2/NDF :42507170015.8/19

+ sign 2.056+/-0.000 χ^2/NDF : 48487565503.4/38

All: 2.024+/-0.000 χ^2/NDF : 95495323524.4/7

- sign 1.993+/-0.000 χ^2/NDF : 46916508233.6/38

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

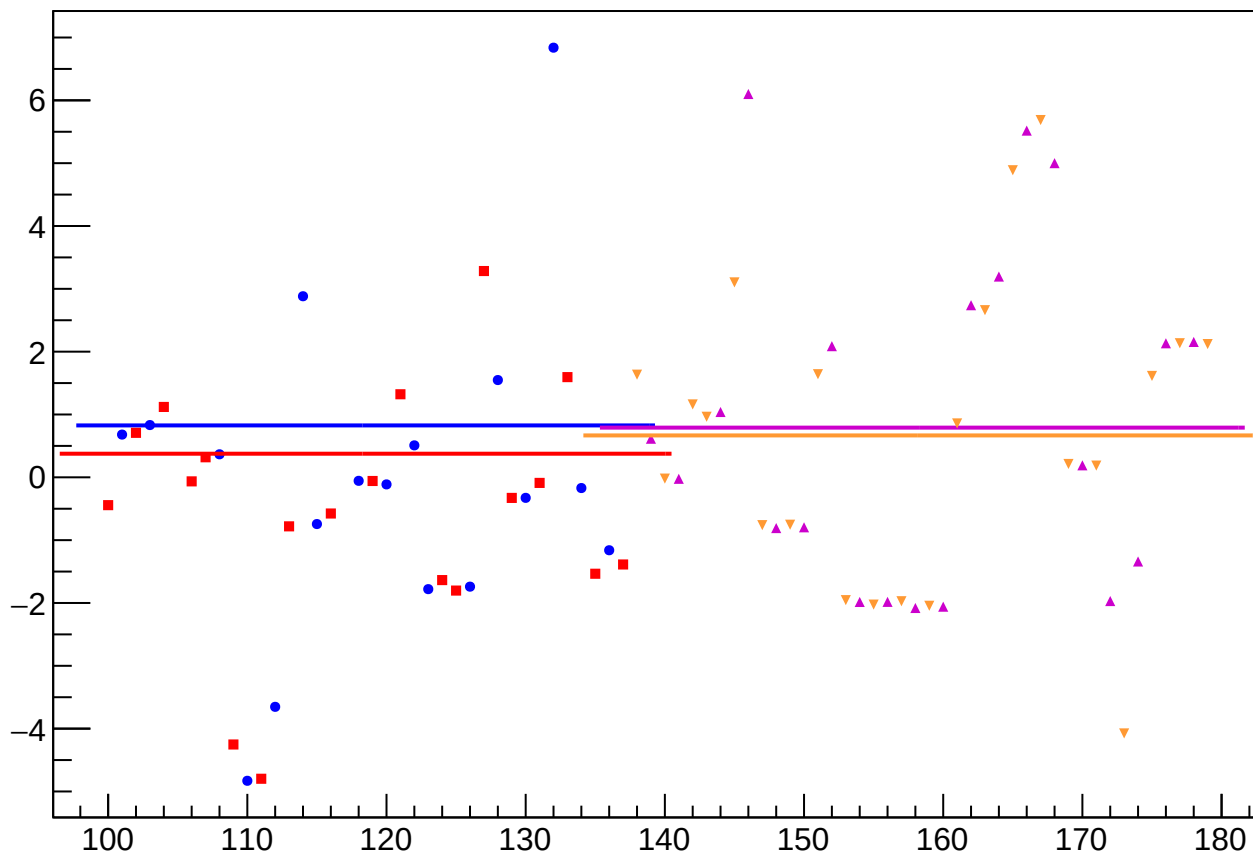
Left In: 0.016+/-0.000 χ^2/NDF : 2451196.9/19

+ sign 0.018+/-0.000 χ^2/NDF : 8259941.5/38

All: 0.018+/-0.000 χ^2/NDF : 16743579.6/77

- sign 0.017+/-0.000 χ^2/NDF : 8474533.1/38

yield_bpm1Y_mean vs Slug

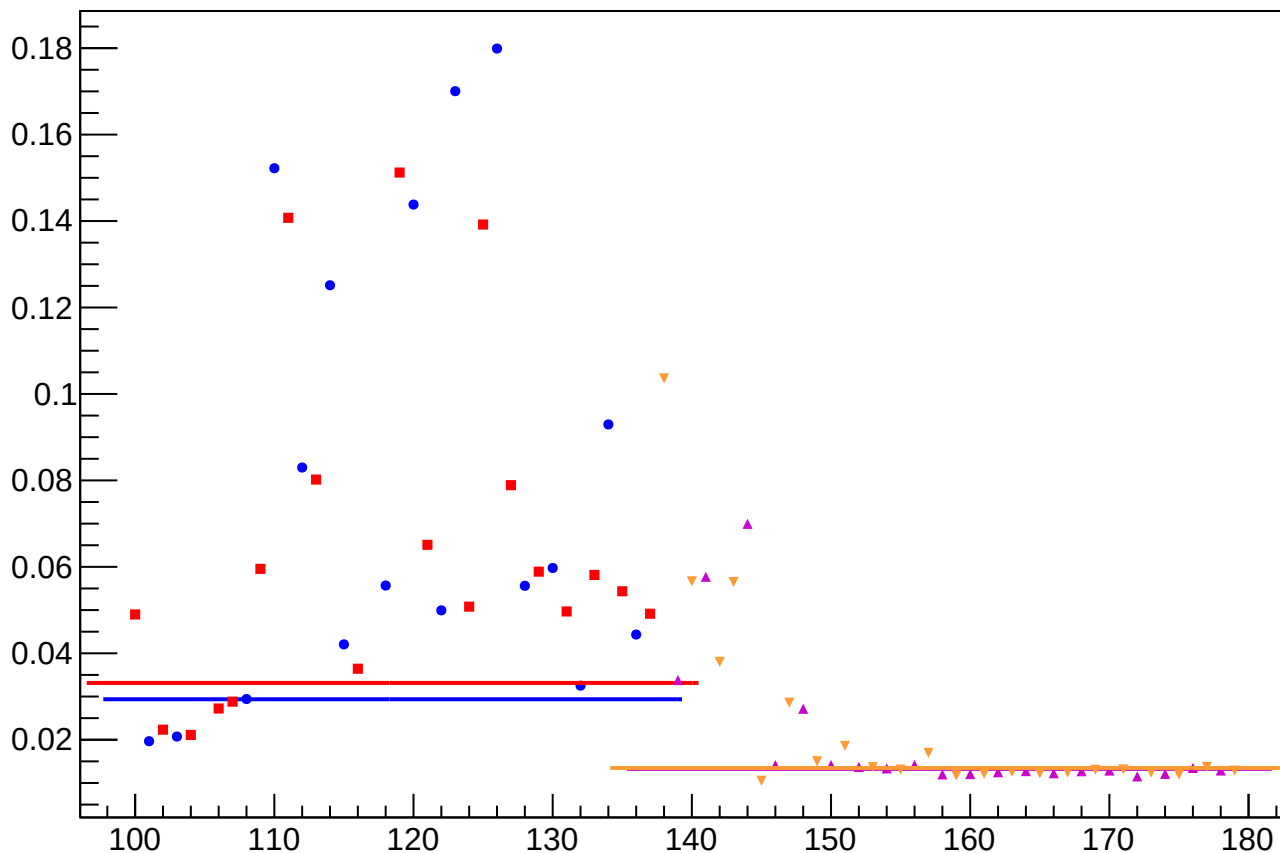


+ sign 0.675 +/- 0.000 χ^2/NDF : 506818379502.9/38

All: 0.723 +/- 0.000 χ^2/NDF : 1073704178189.

- sign 0.772 +/- 0.000 χ^2/NDF : 566520860112.1/38

yield_bpm1Y_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 2987169.5/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2894450.4/21

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 3099105.0/18

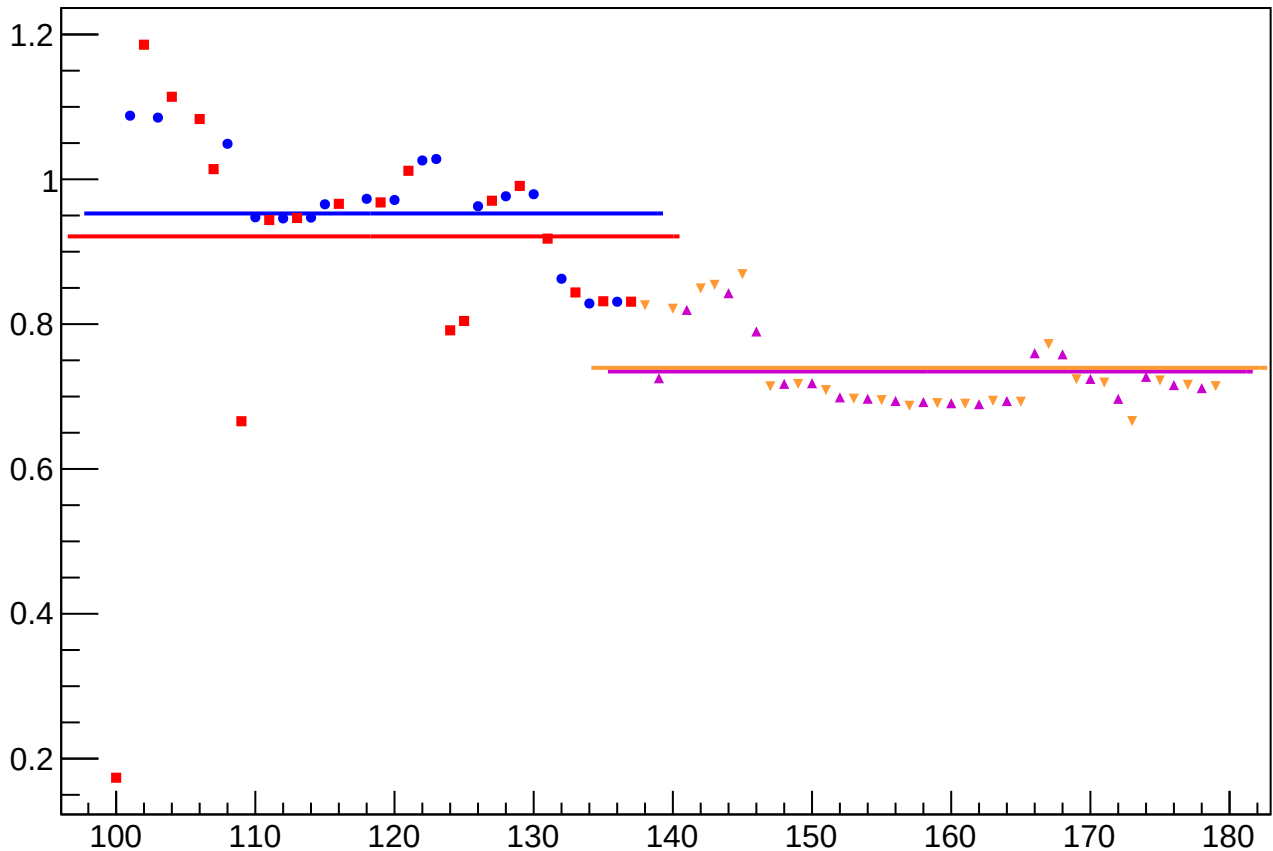
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1950662.4/19

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7769864.7/38

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 15456038.1/77

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7685379.4/38

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

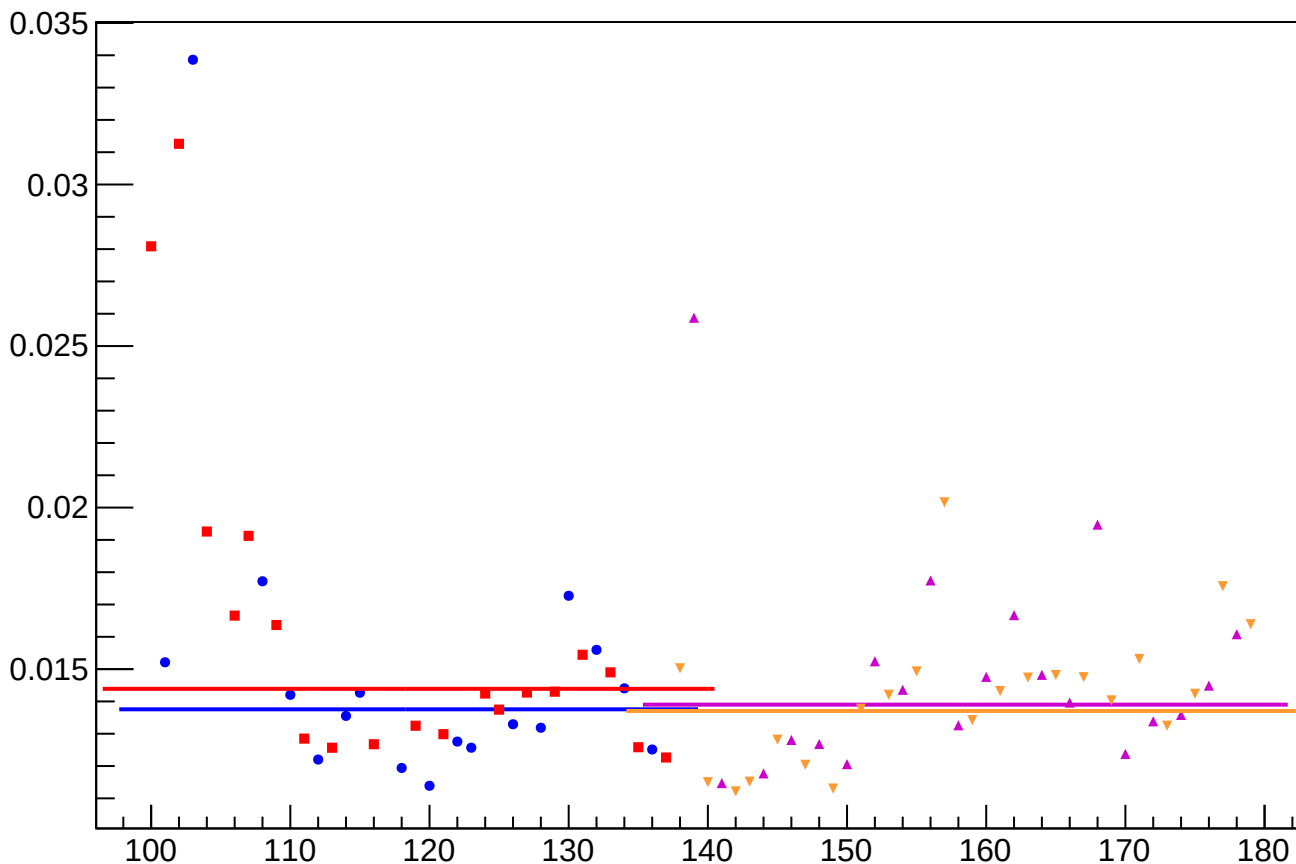
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

All: 0.795 $\pm$ 0.000 χ^2 /NDF: 2732570494.4/77

- sign 0.789 $\pm$ 0.000 χ^2 /NDF: 1264973848.7/38

Left In: 0.735 $\pm$ 0.000 χ^2 /NDF:167542878.7/19

yield_bpm11X_rms vs Slug



Right In: 0.014 ± 0.000 χ^2/NDF : 538469.4/16

Left Out: 0.014 ± 0.000 χ^2/NDF : 513516.9/21

Right Out: 0.014 ± 0.000 χ^2/NDF : 503813.0/18

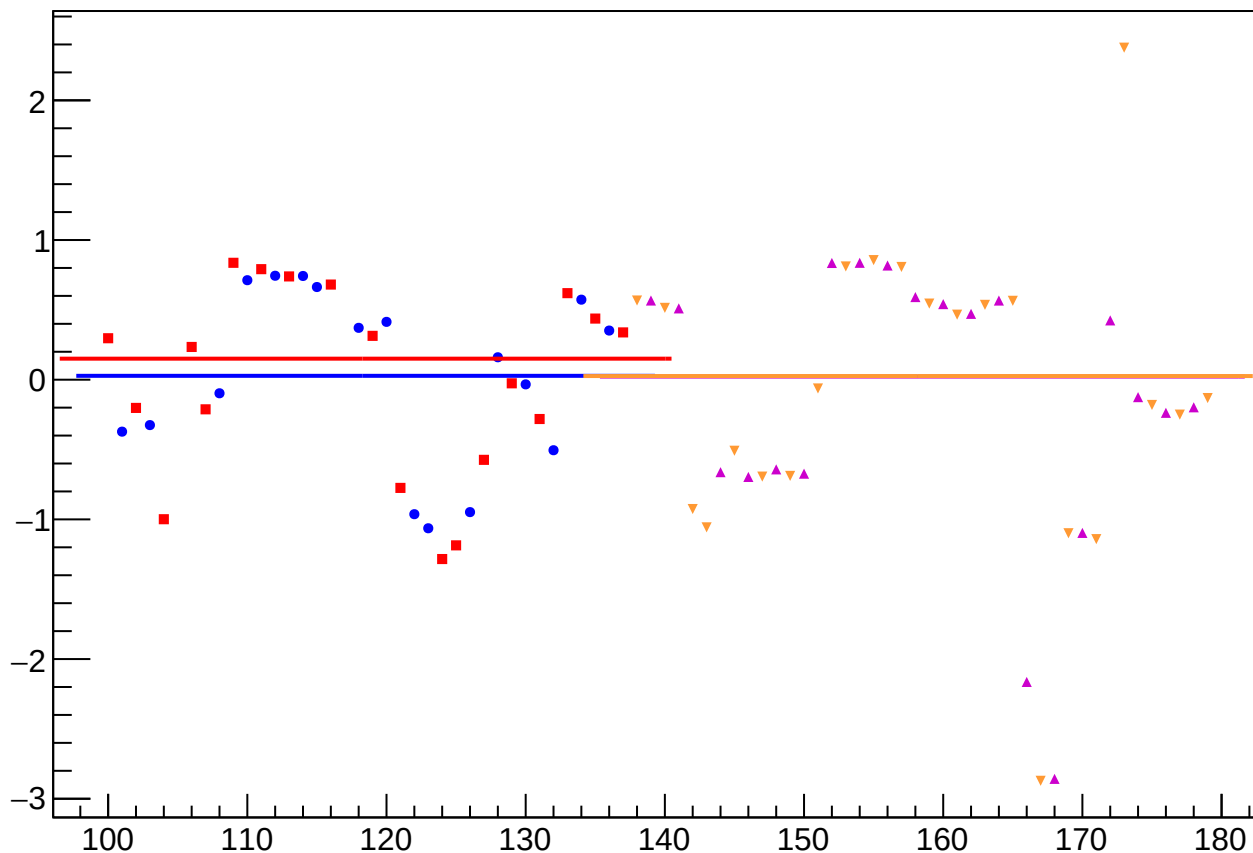
Left In: 0.014 ± 0.000 χ^2/NDF : 782626.5/19

+ sign 0.014 ± 0.000 χ^2/NDF : 1052098.3/38

All: 0.014 ± 0.000 χ^2/NDF : 2359383.9/77

- sign 0.014 ± 0.000 χ^2/NDF : 1296404.3/38

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

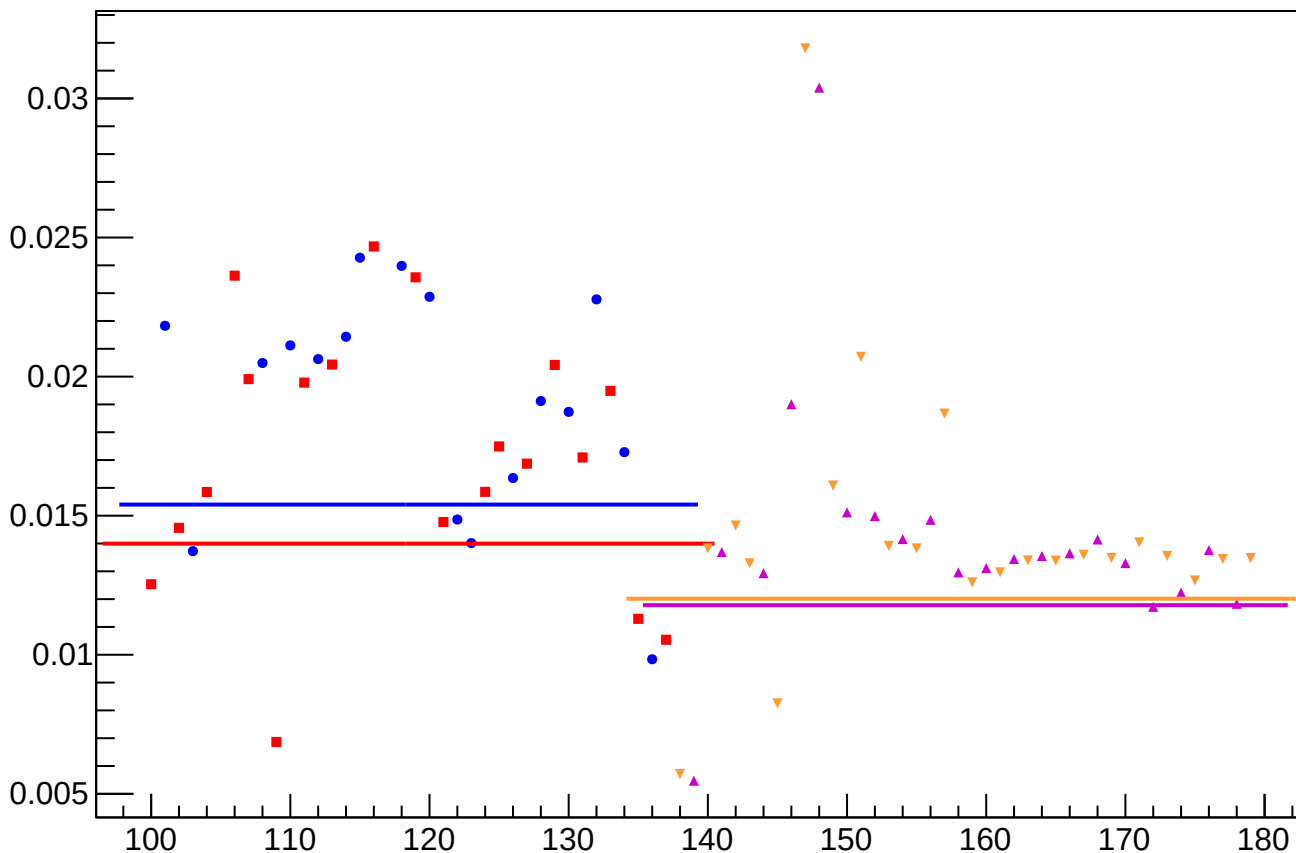
Left In: 0.022+/-0.000 χ^2/NDF : 79359727227.0/19

+ sign 0.026+/-0.000 χ^2/NDF : 101565070742.0/38

All: 0.039+/-0.000 χ^2/NDF : 193979672307.2

- sign 0.052+/-0.000 χ^2/NDF : 92374503722.5/38

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

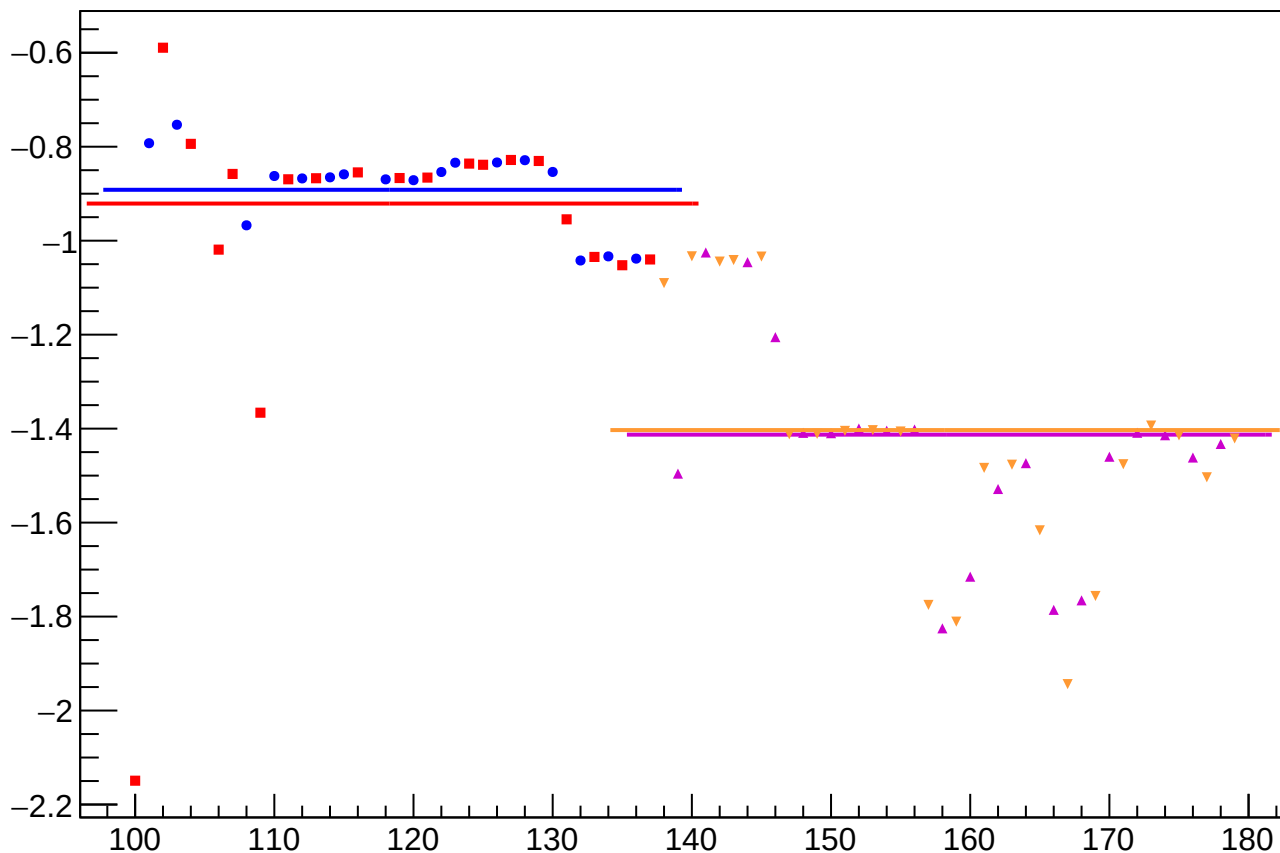
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 3067326.7/19

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4665488.6/38

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 9526843.4/77

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4843940.9/38

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

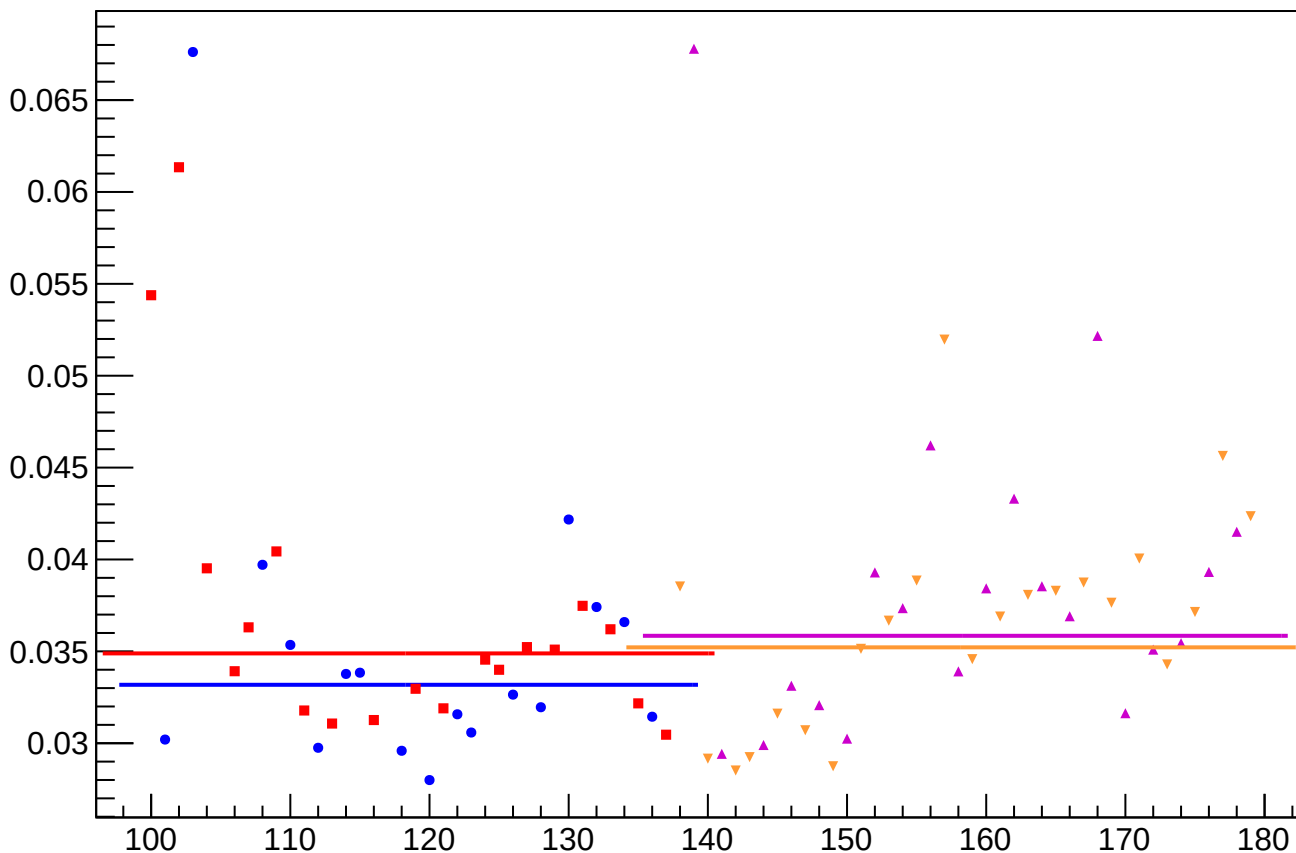
Left In: -1.413+/-0.000 χ^2/NDF : 512347137.8/19

+ sign -1.243+/-0.000 χ^2/NDF : 1706516041.2/38

All: -1.248+/-0.000 χ^2/NDF : 3178153178.3/7

- sign -1.254+/-0.000 χ^2/NDF : 1470666535.3/38

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 400106.0/16

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 579176.1/21

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 275013.9/18

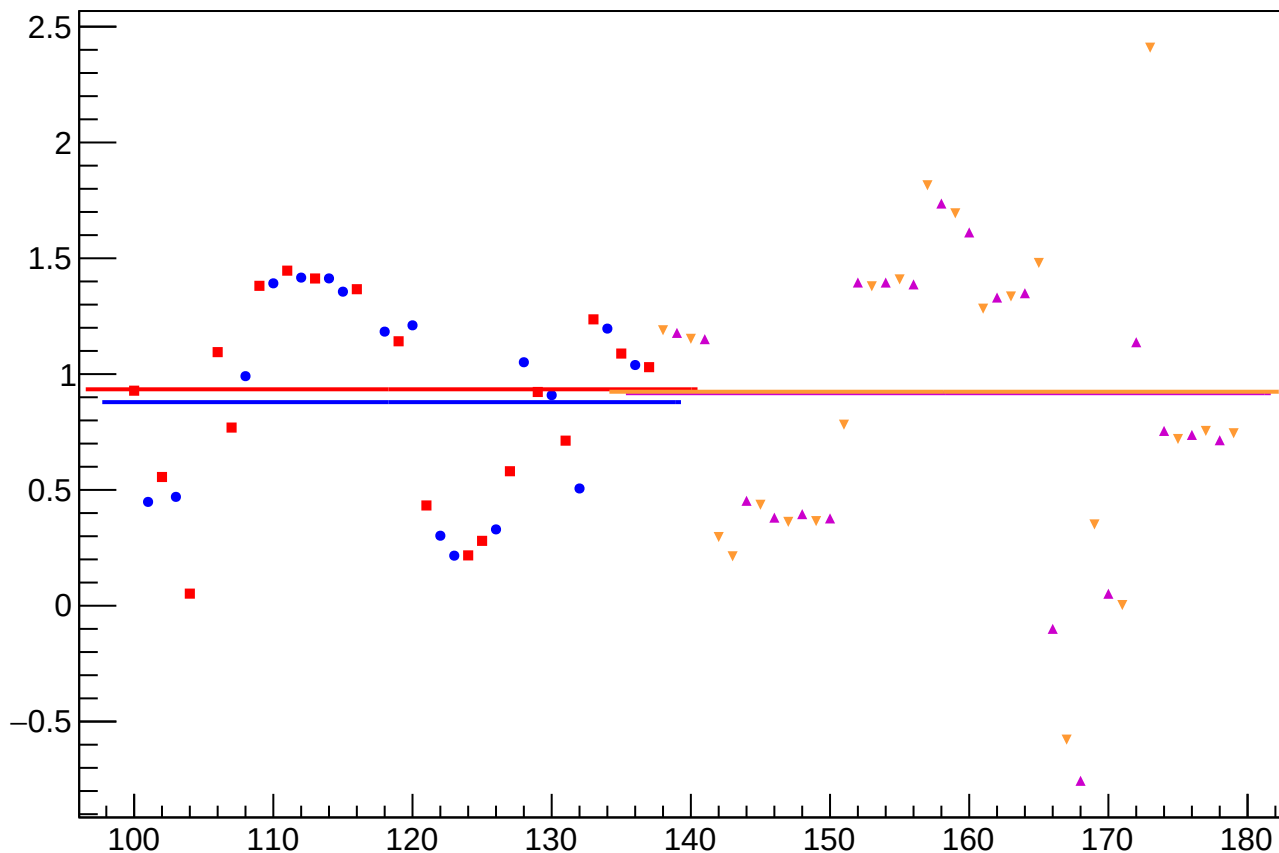
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 874940.9/19

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1009409.4/38

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 2180501.8/77

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 1156233.1/38

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

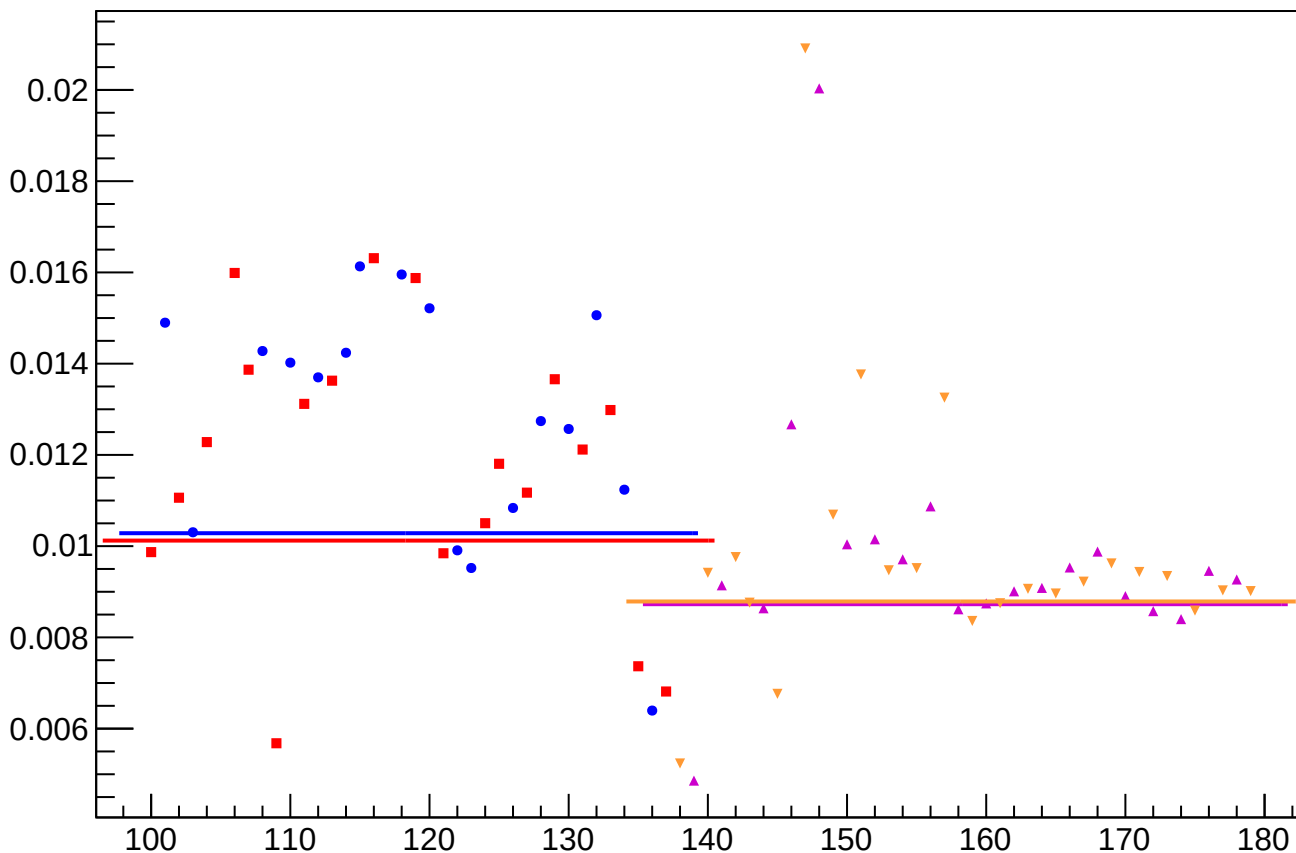
Left In: 0.918 $\pm$ 0.000 χ^2 /NDF: 66481443000.0/19

+ sign 0.914 $\pm$ 0.000 χ^2 /NDF: 89529017451.4/38

All: 0.918 $\pm$ 0.000 χ^2 /NDF: 165856104530.1

- sign 0.921 $\pm$ 0.000 χ^2 /NDF: 76320923733.5/38

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

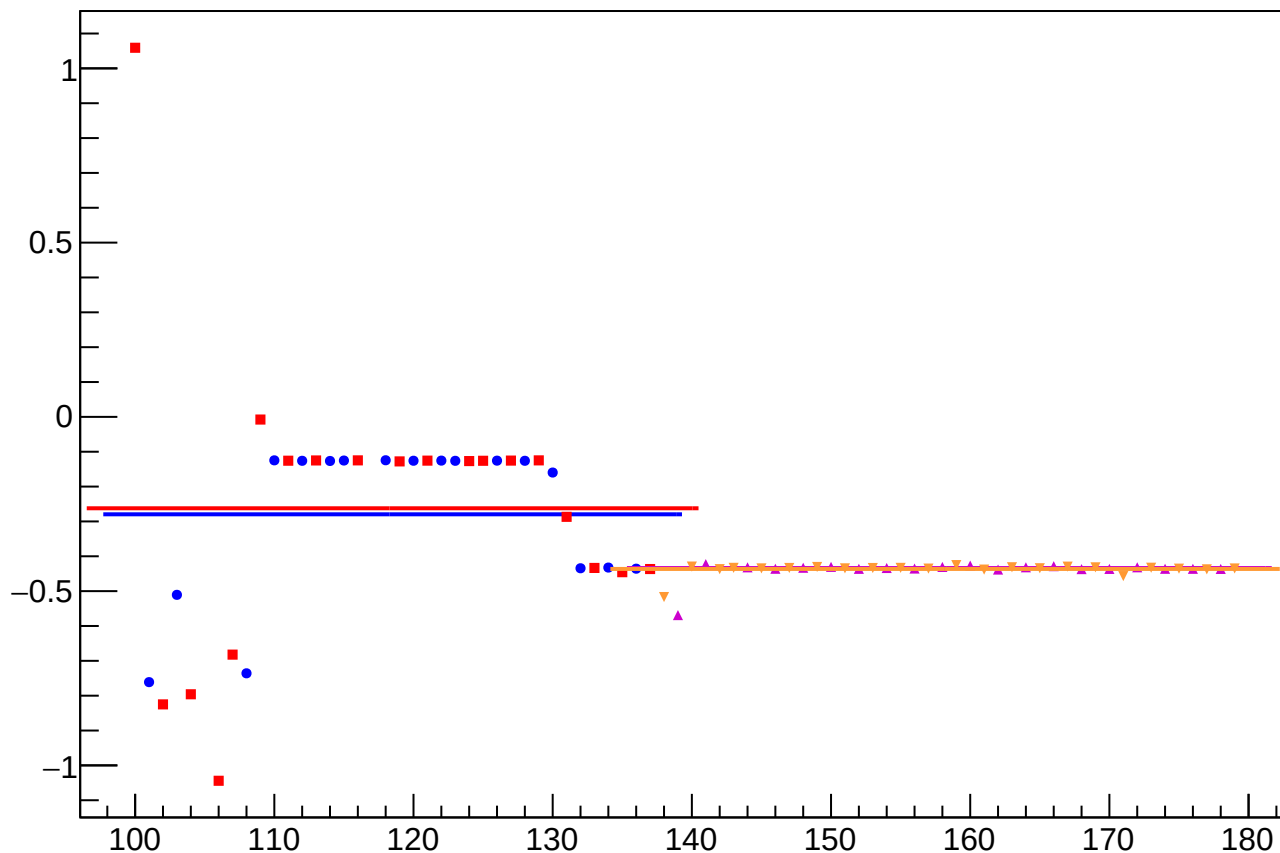
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 1669739.8/19

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 3090440.9/38

All: 0.009 $\pm$ 0.000 χ^2/NDF : 6106327.6/77

- sign 0.009 $\pm$ 0.000 χ^2/NDF : 3015361.3/38

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

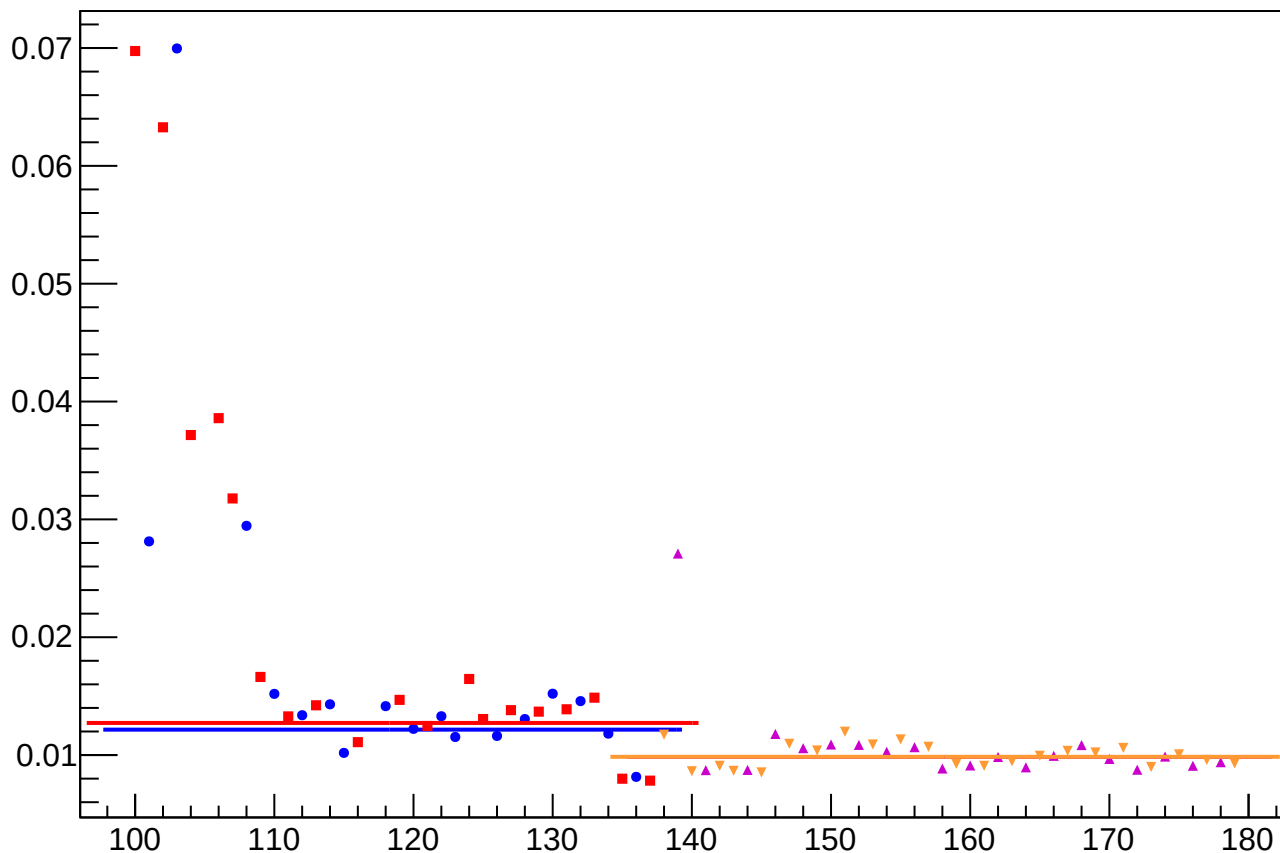
Left In: -0.434 ± 0.000 χ^2/NDF : 19963132.3/19

+ sign -0.408 ± 0.000 χ^2/NDF : 1593260769.7/38

All: -0.405 ± 0.000 χ^2/NDF : 3340239303.1/7

- sign -0.403 ± 0.000 χ^2/NDF : 1744160484.9/38

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

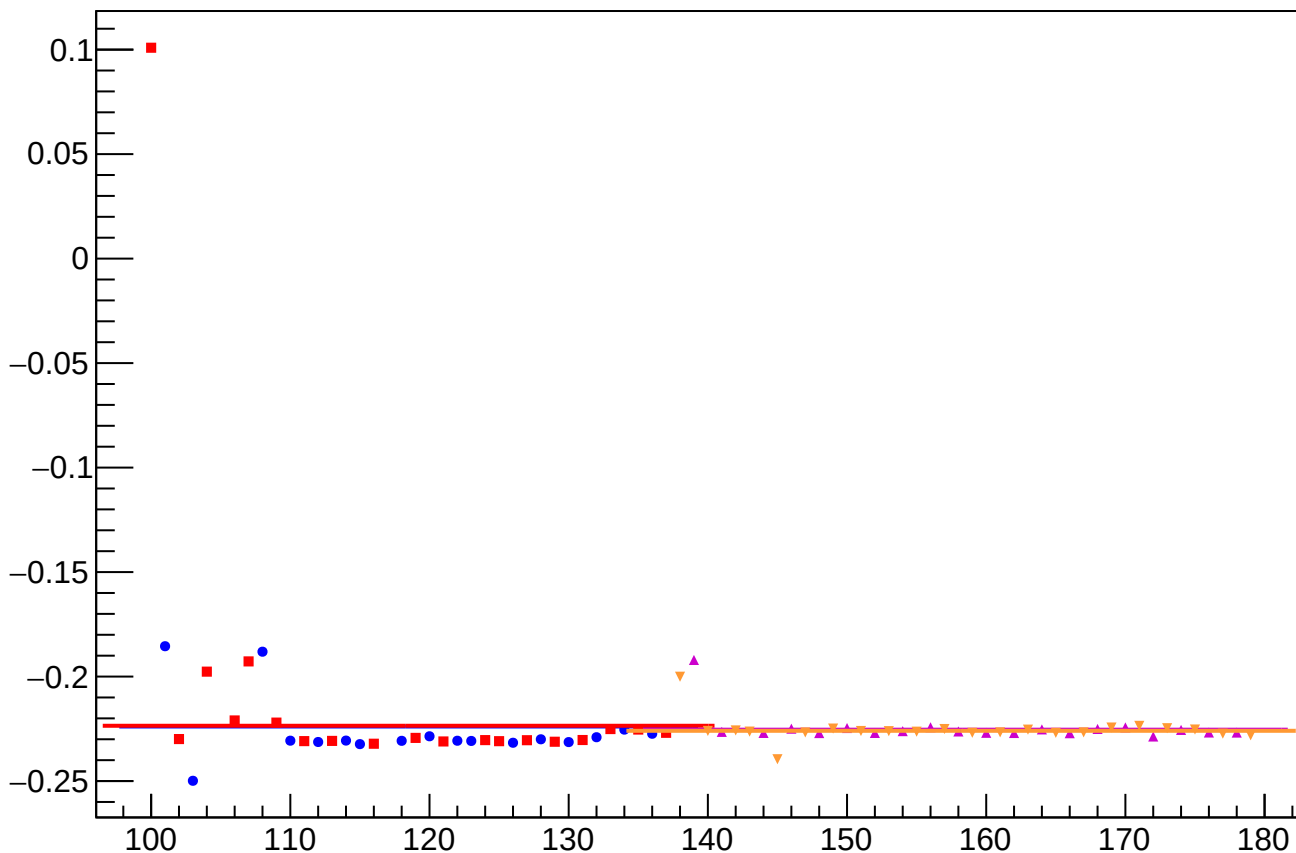
Left In: 0.010 ± 0.000 χ^2/NDF : 776415.4/19

+ sign 0.010 ± 0.000 χ^2/NDF : 2253991.5/38

All: 0.010 ± 0.000 χ^2/NDF : 5407067.3/77

- sign 0.010 ± 0.000 χ^2/NDF : 3151385.4/38

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

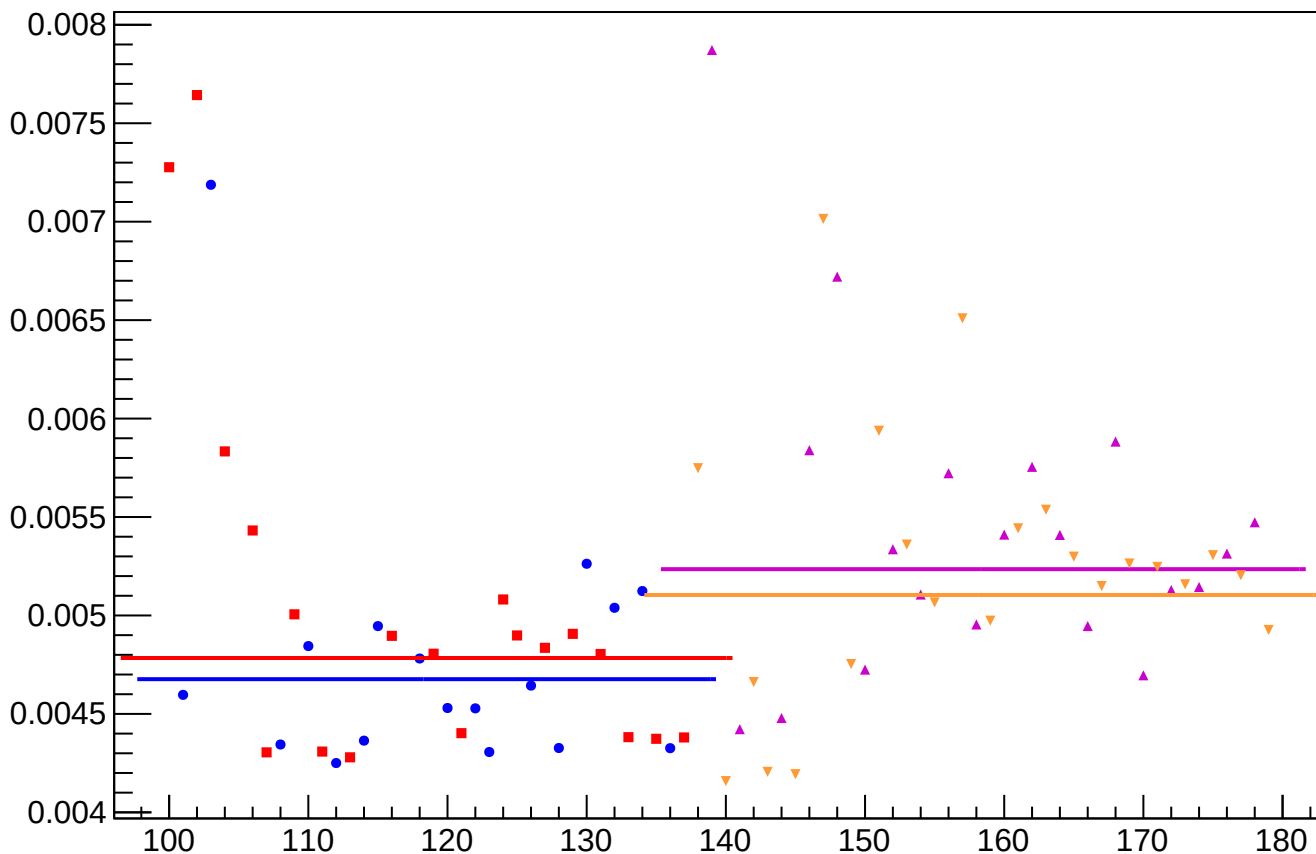
Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

All: -0.225+/-0.000 χ^2/NDF : 278652375.6/77

- sign -0.225+/-0.000 χ^2/NDF : 182042557.0/38

Left In: -0.225+/-0.000 χ^2/NDF : 13275883.6/19

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

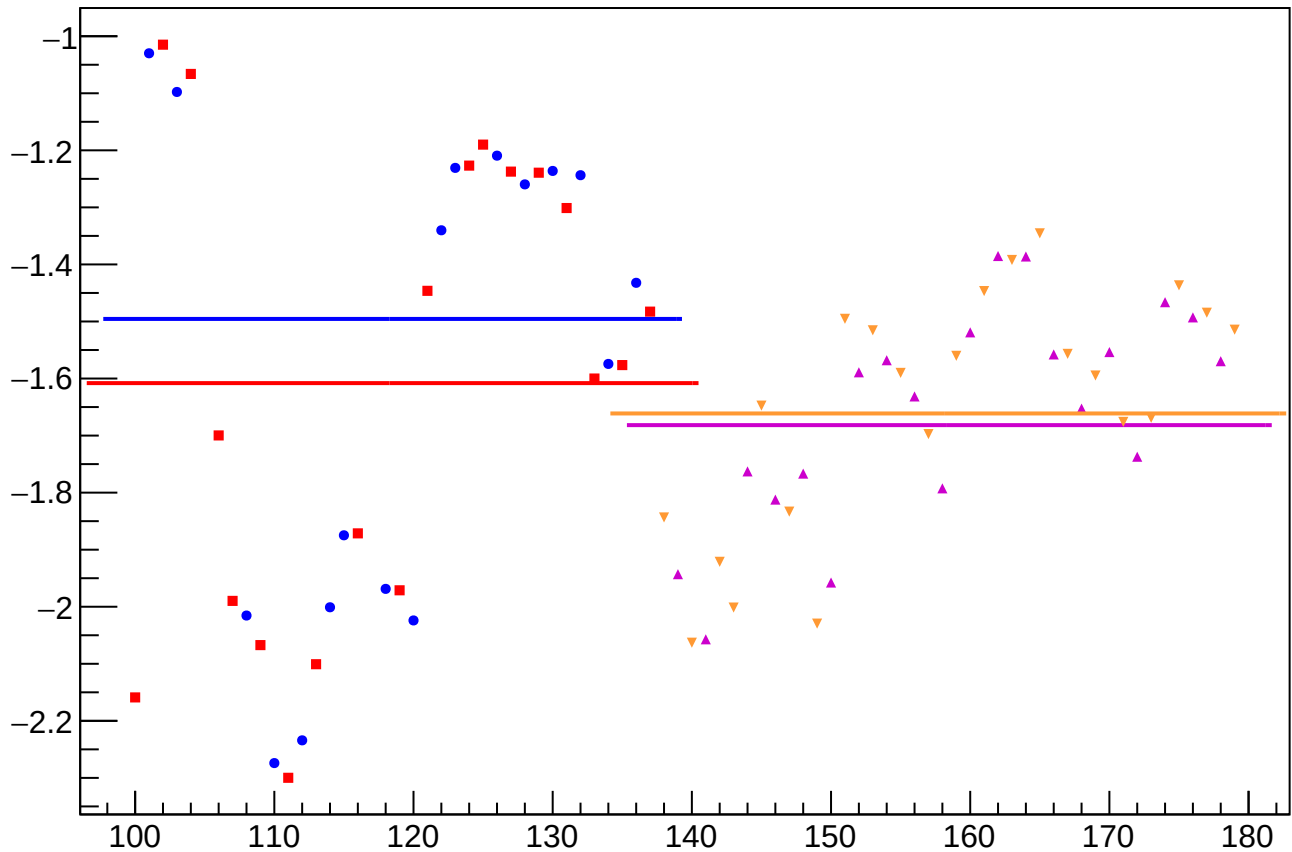
Left In: 0.005+/-0.000 χ^2/NDF : 440289.7/19

+ sign 0.005+/-0.000 χ^2/NDF : 707021.5/38

All: 0.005+/-0.000 χ^2/NDF : 1480350.0/77

- sign 0.005+/-0.000 χ^2/NDF : 763096.8/38

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

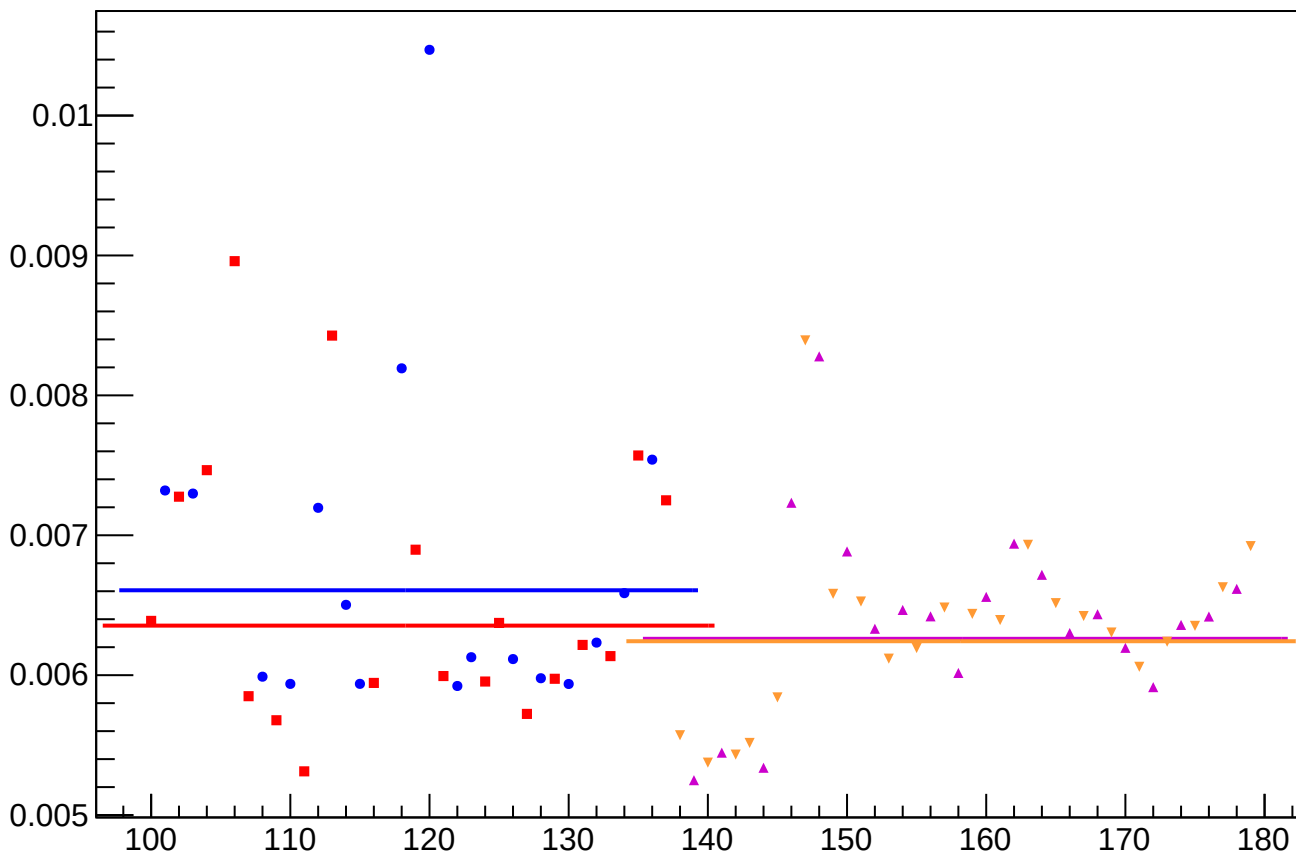
Left In: -1.682+/-0.000 χ^2/NDF : 13449359124.4/19

+ sign -1.619+/-0.000 χ^2/NDF : 43255919645.7/38

All: -1.639+/-0.000 χ^2/NDF : 85616906110.3/38

- sign -1.659+/-0.000 χ^2/NDF : 41918748146.0/38

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

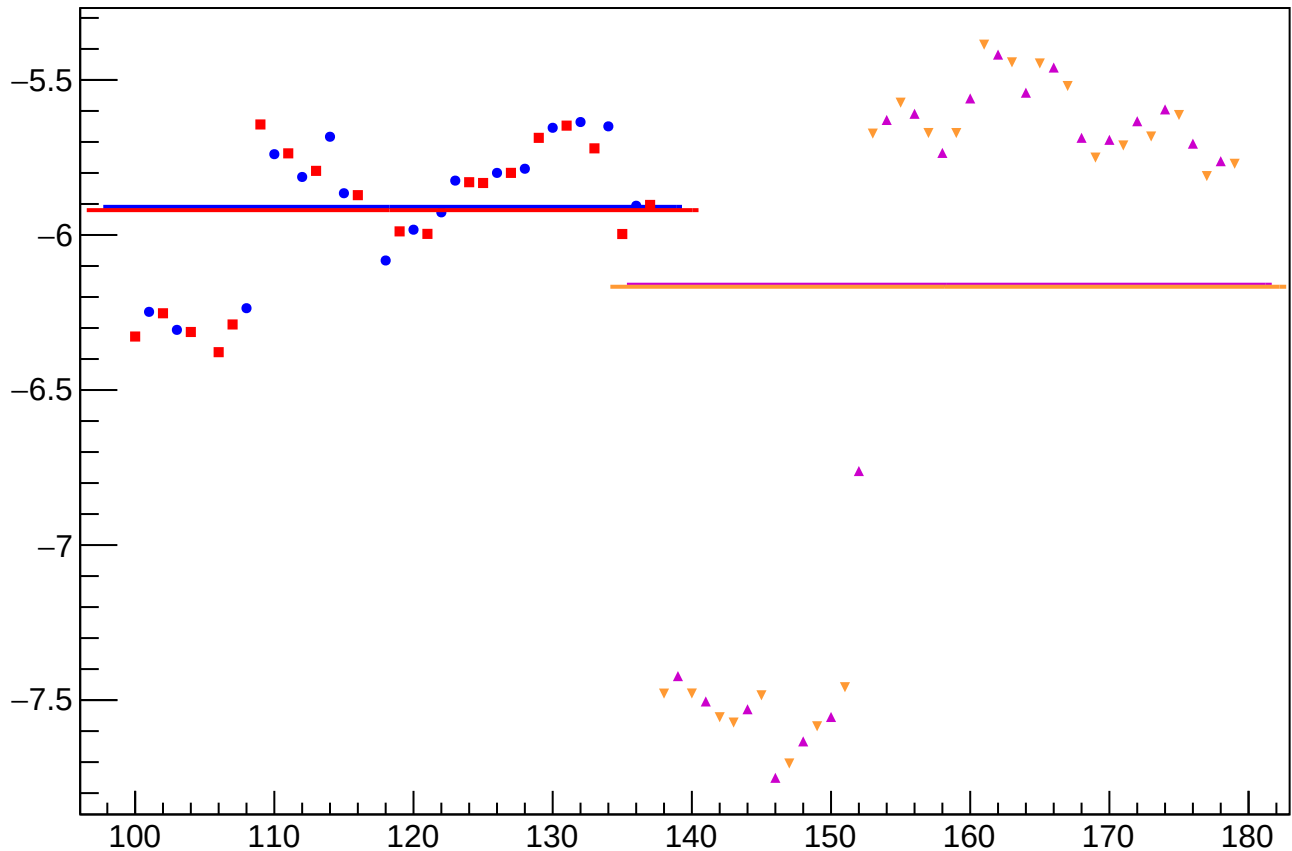
Left In: 0.006+/-0.000 χ^2/NDF : 301793.5/19

+ sign 0.006+/-0.000 χ^2/NDF : 481096.4/38

All: 0.006+/-0.000 χ^2/NDF : 1013403.9/77

- sign 0.006+/-0.000 χ^2/NDF : 531104.1/38

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

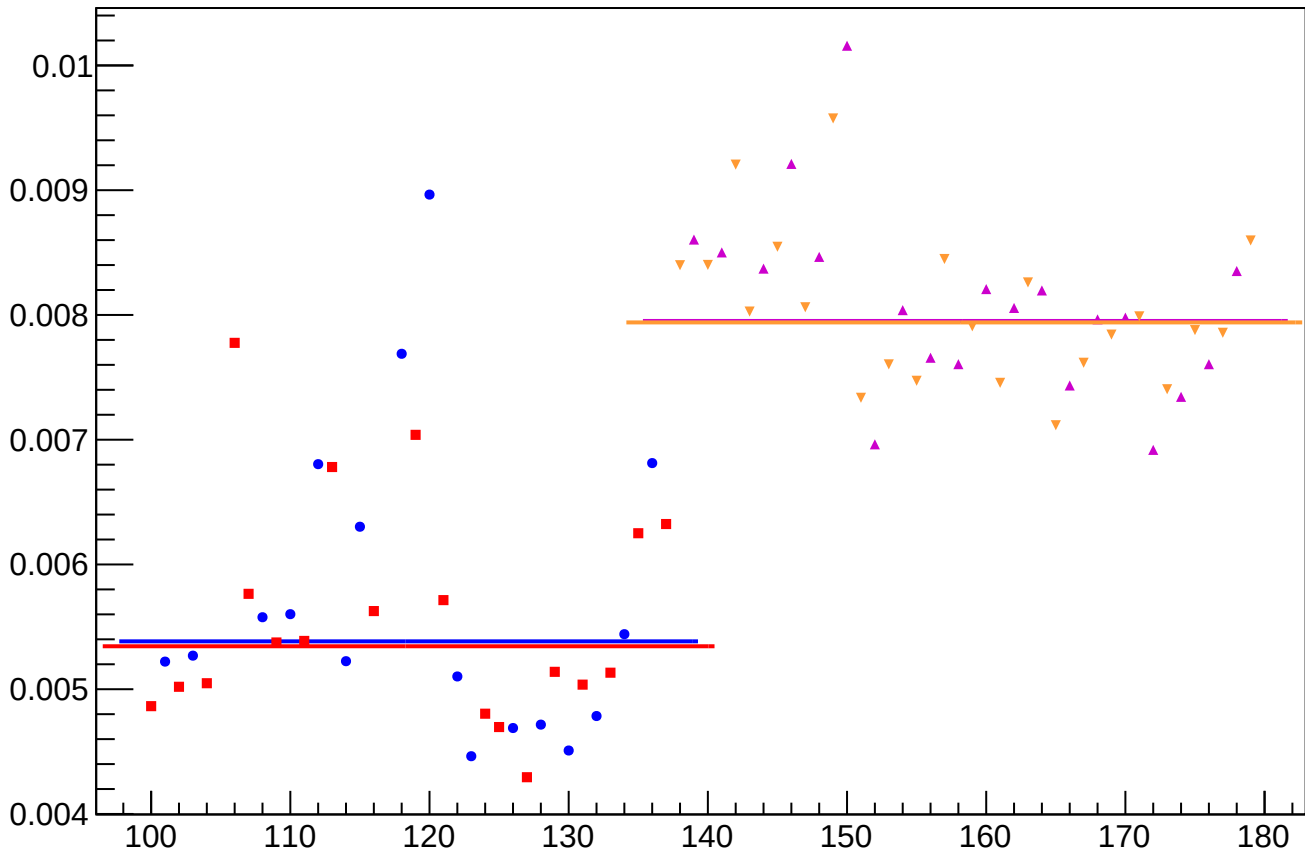
Left In: -6.160+/-0.000 χ^2 /NDF:156525786154.8/19

+ sign -6.049+/-0.000 χ^2 /NDF: 199025323919.5/38

All: -6.044+/-0.000 χ^2 /NDF: 374812311479.0

- sign -6.040+/-0.000 χ^2 /NDF: 175772555487.7/38

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :133086.4/21

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

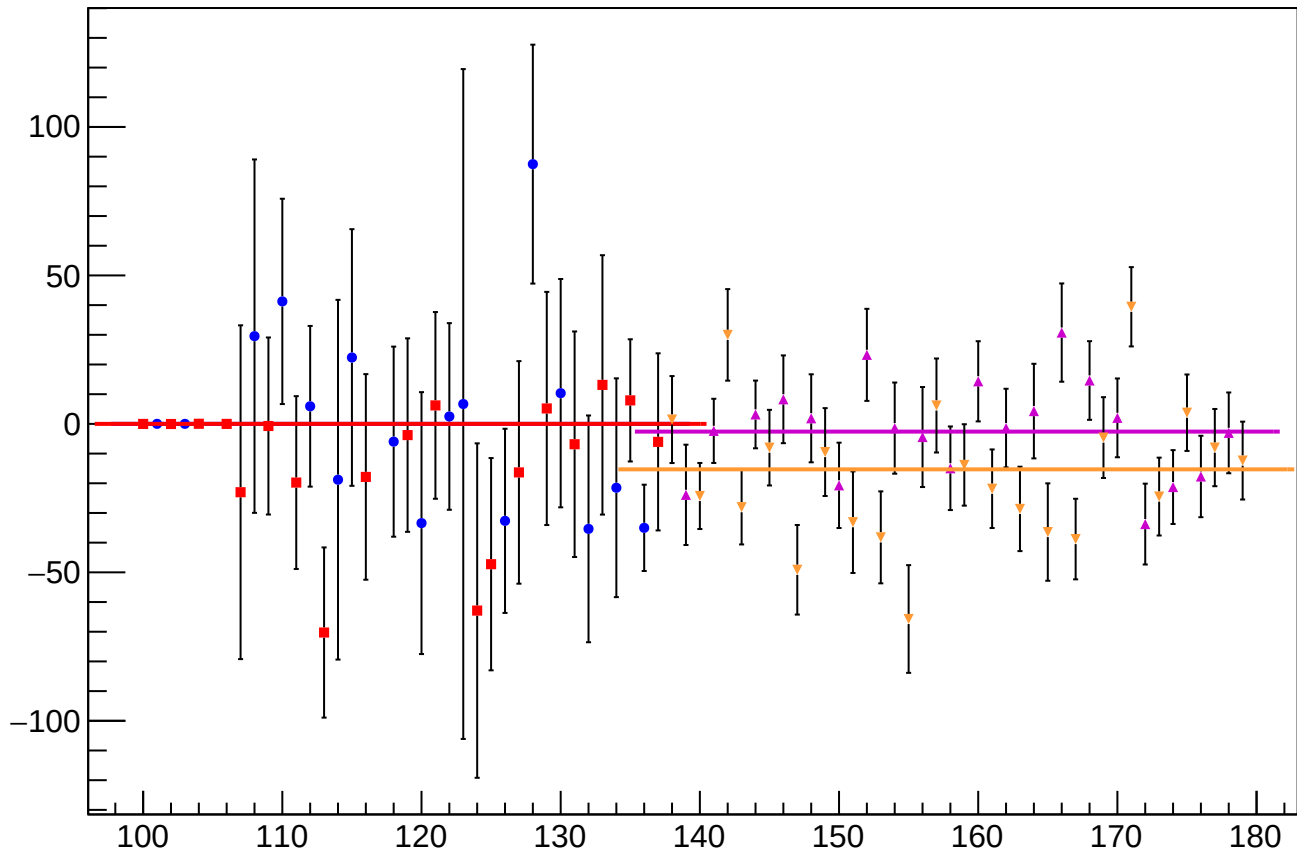
Left In: 0.008+/-0.000 χ^2/NDF :206805.1/19

+ sign 0.007+/-0.000 χ^2/NDF : 1909032.8/38

All: 0.007+/-0.000 χ^2/NDF : 3885550.6/77

- sign 0.007+/-0.000 χ^2/NDF : 1970751.4/38

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

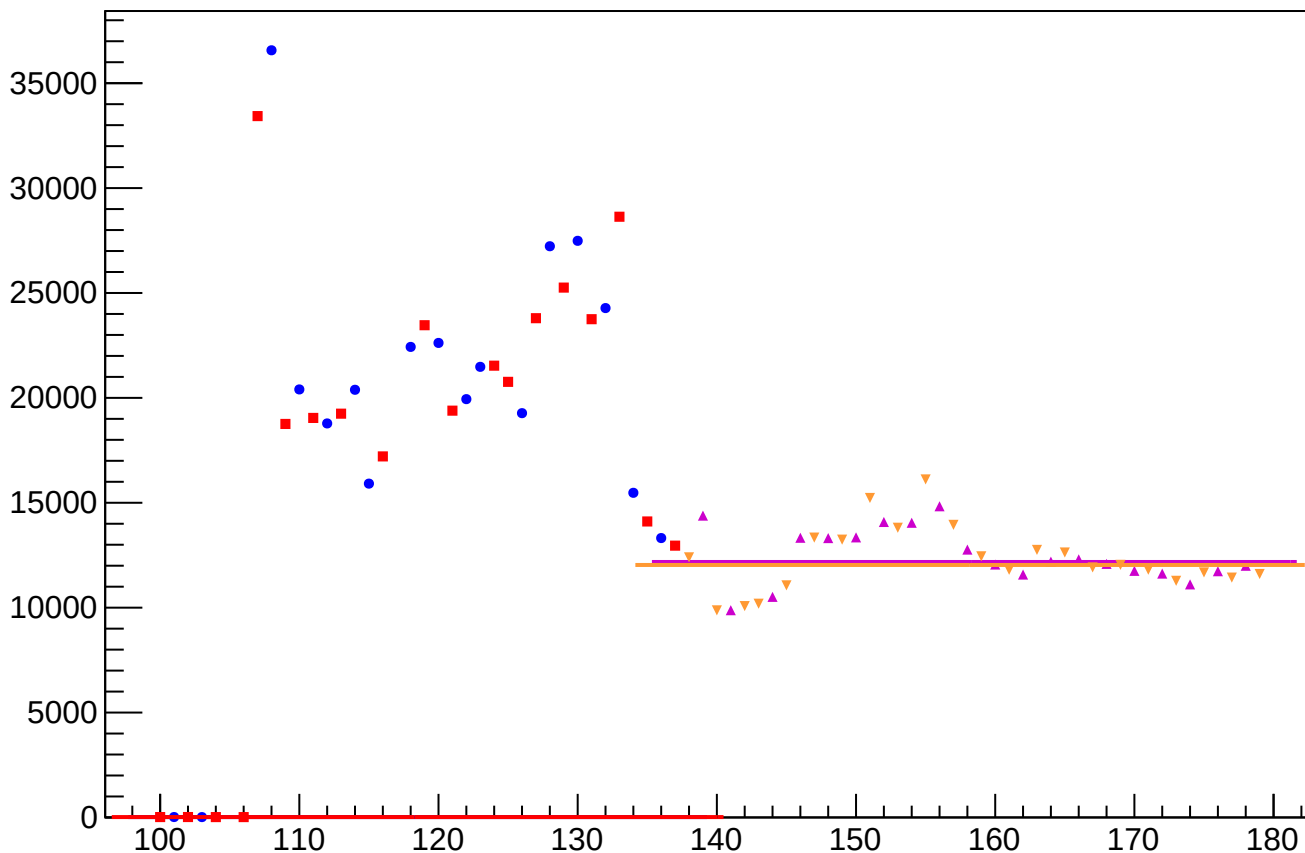
Left In: -2.600 ± 3.109 χ^2/NDF : 24.0/19

+ sign 0.013 ± 0.017 χ^2/NDF : 98.5/38

All: 0.008 ± 0.012 χ^2/NDF : 138.6/77

- sign 0.003 ± 0.016 χ^2/NDF : 40.0/38

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

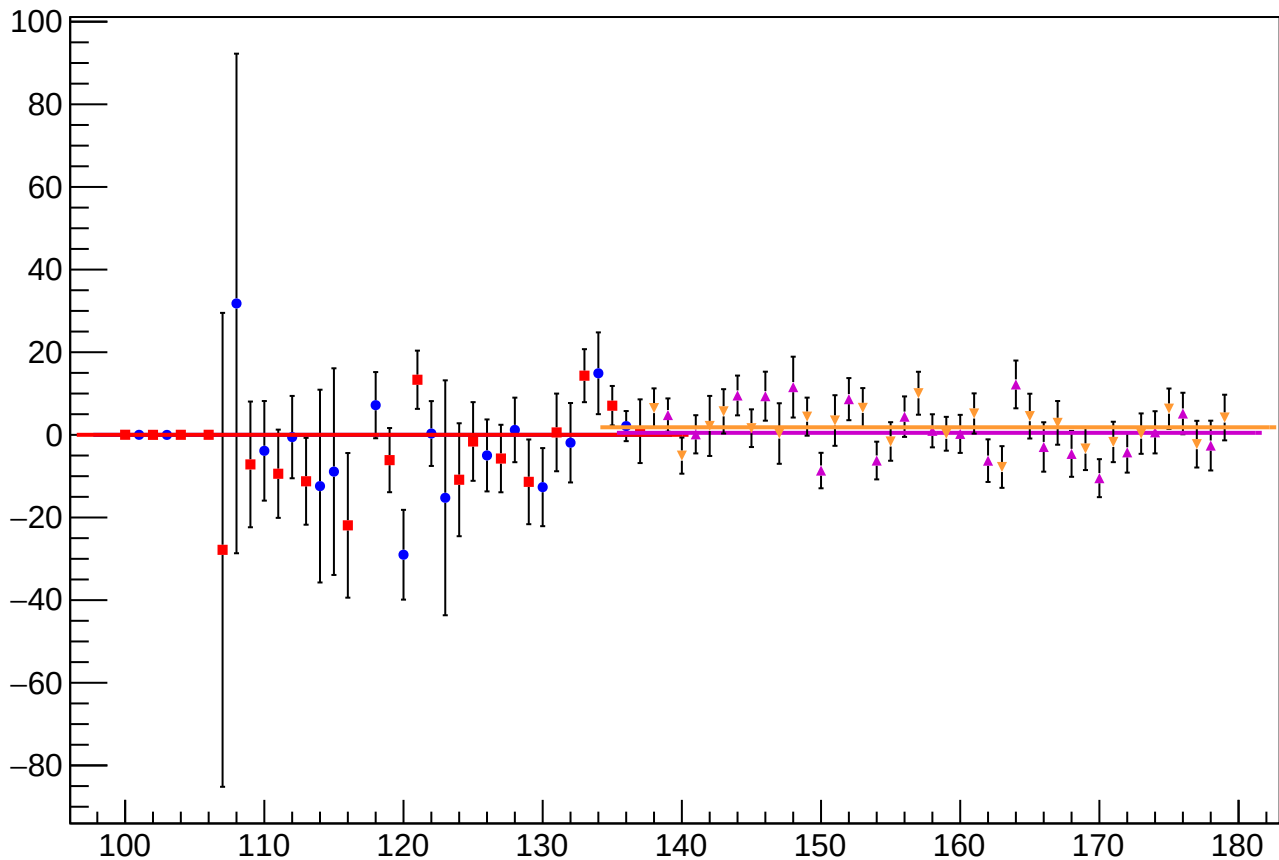
Left In: 12177.575 $\pm$ 2.198 χ^2 /NDF: 344660.4/19

+ sign 19.048 $\pm$ 0.012 χ^2 /NDF: 43850059.8/38

All: 18.827 $\pm$ 0.008 χ^2 /NDF: 85887918.5/77

- sign 18.636 $\pm$ 0.011 χ^2 /NDF: 42037252.2/38

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

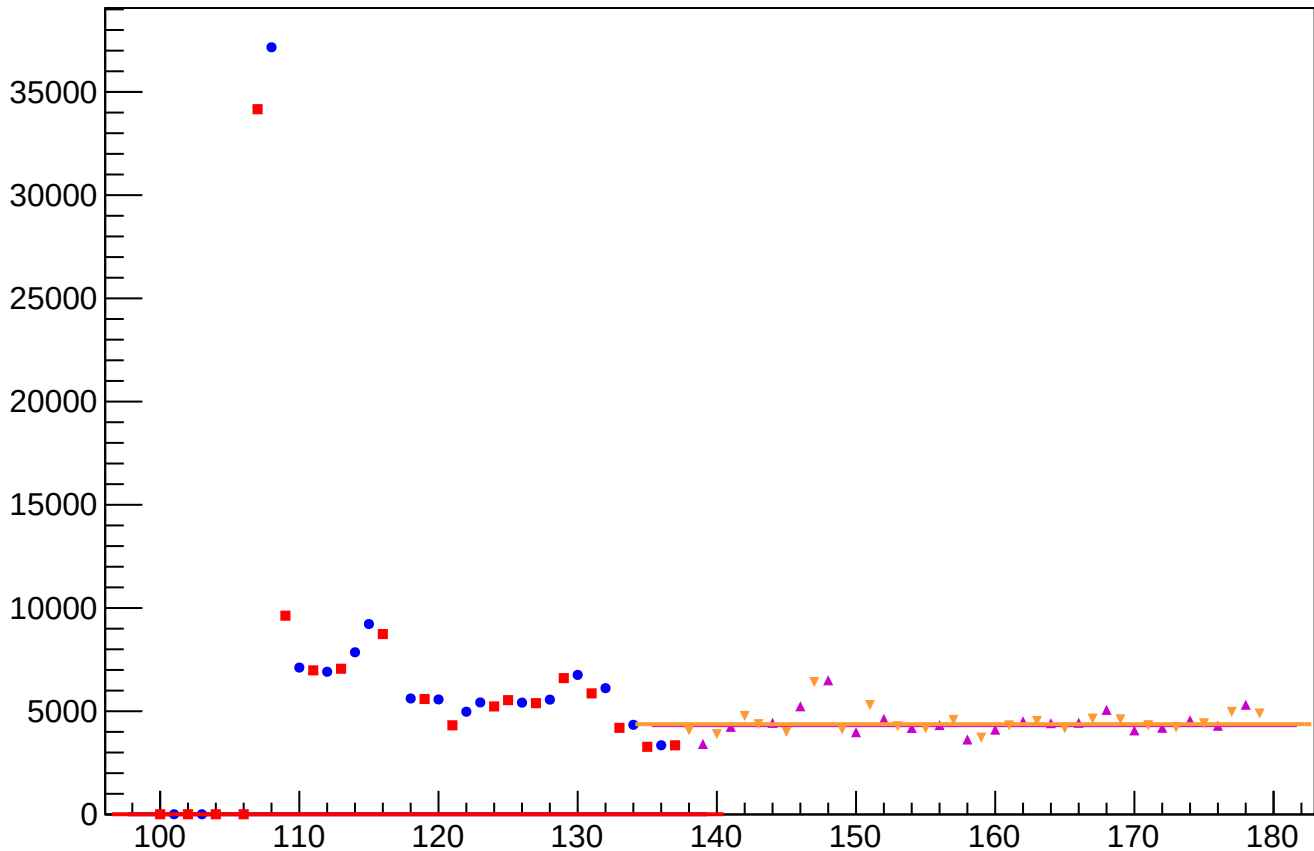
Left In: 0.493 $\pm$ 1.109 χ^2 /NDF:33.8/19

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 33.9/38

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 87.4/77

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 52.4/38

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

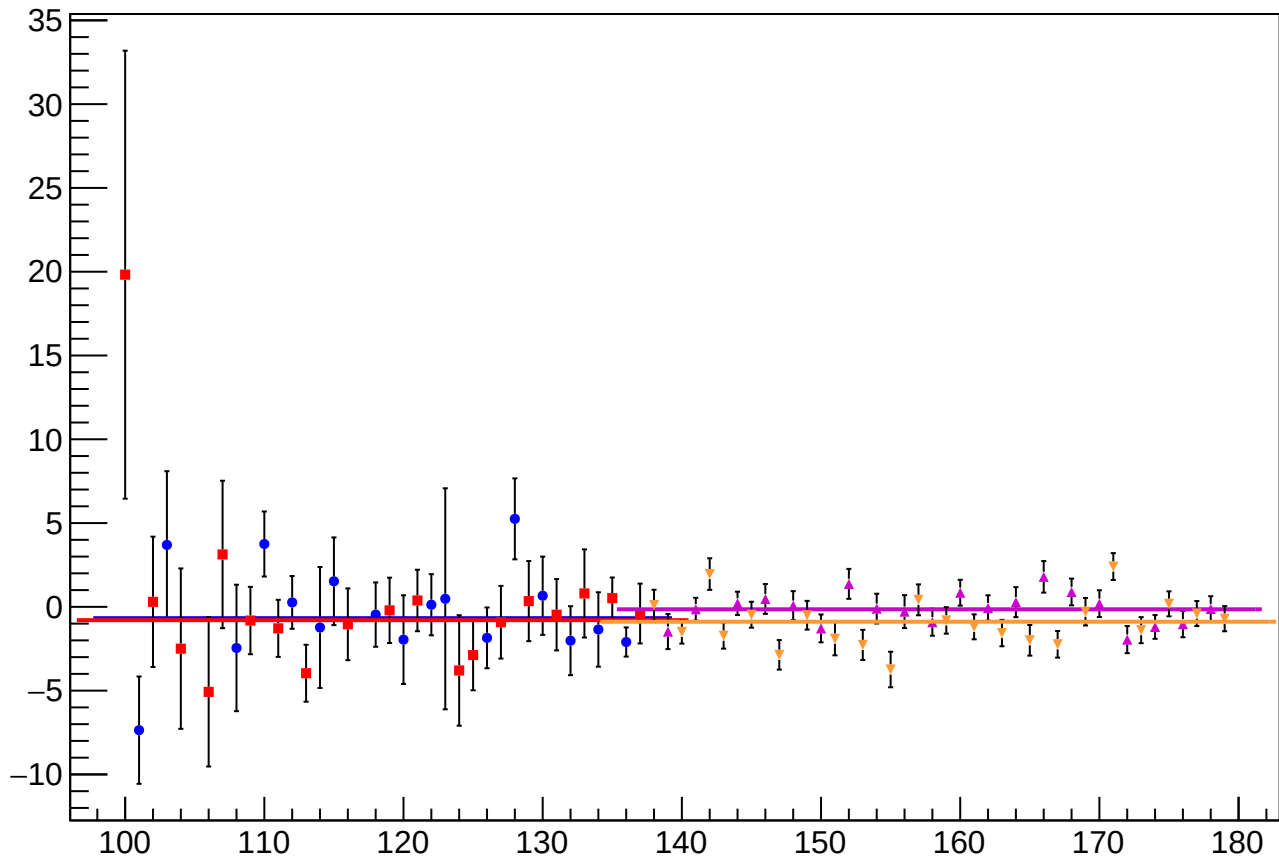
Left In: 4325.396+/-0.784 χ^2/NDF : 516546.0/19

+ sign 10.254+/-0.007 χ^2/NDF : 43872339.7/38

All: 10.181+/-0.004 χ^2/NDF : 85810122.4/77

- sign 10.117+/-0.006 χ^2/NDF : 41937547.5/38

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

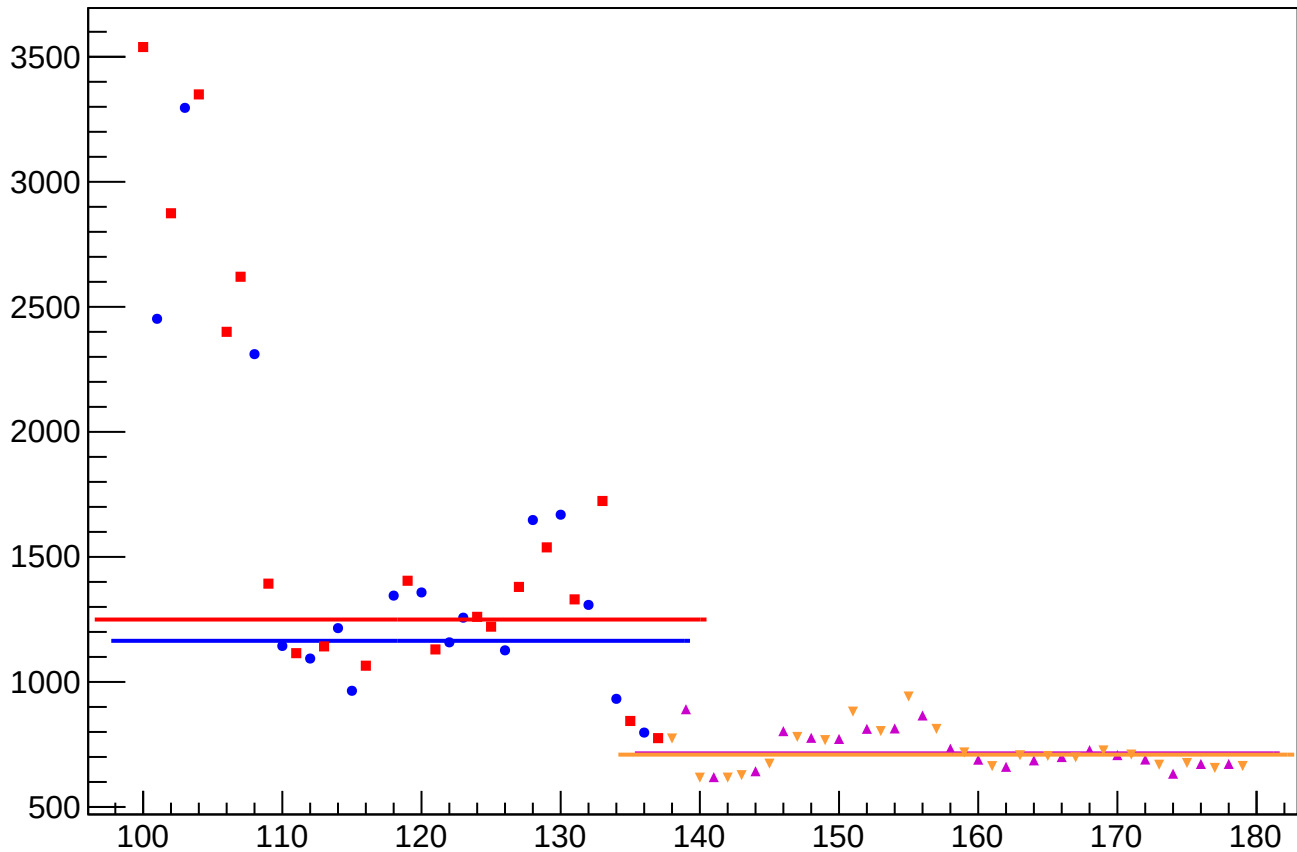
Left In: -0.146 ± 0.182 χ^2/NDF : 24.6/19

+ sign -0.863 ± 0.165 χ^2/NDF : 78.4/38

All: -0.555 ± 0.119 χ^2/NDF : 123.8/77

- sign -0.222 ± 0.171 χ^2/NDF : 38.0/38

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

Right Out: 1249.596+/-0.354 χ^2/NDF : 1650133.1/18

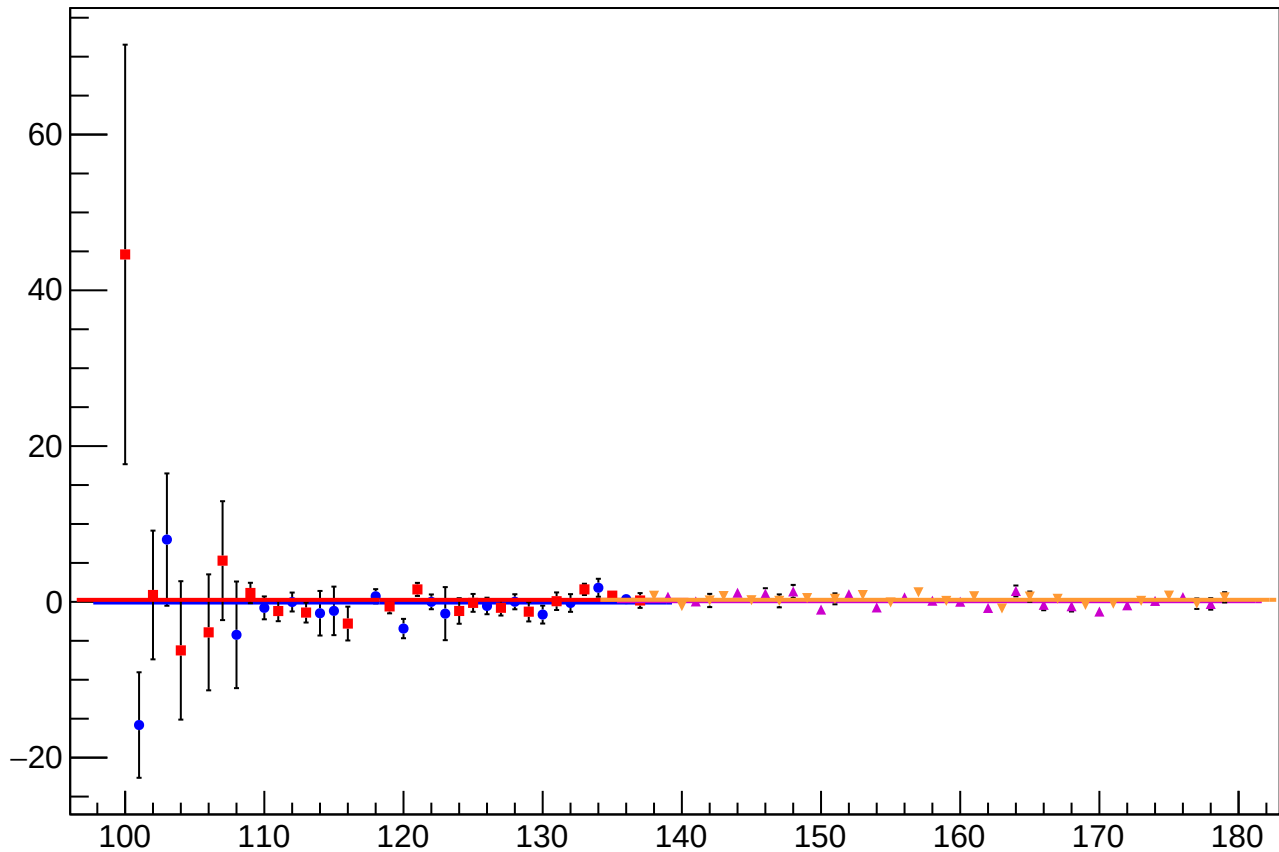
Left In: 714.460+/-0.129 χ^2/NDF : 310681.2/19

+ sign 761.981+/-0.116 χ^2/NDF : 3500008.4/38

All: 769.171+/-0.084 χ^2/NDF : 7481799.6/77

- sign 776.945+/-0.121 χ^2/NDF : 3973862.8/38

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

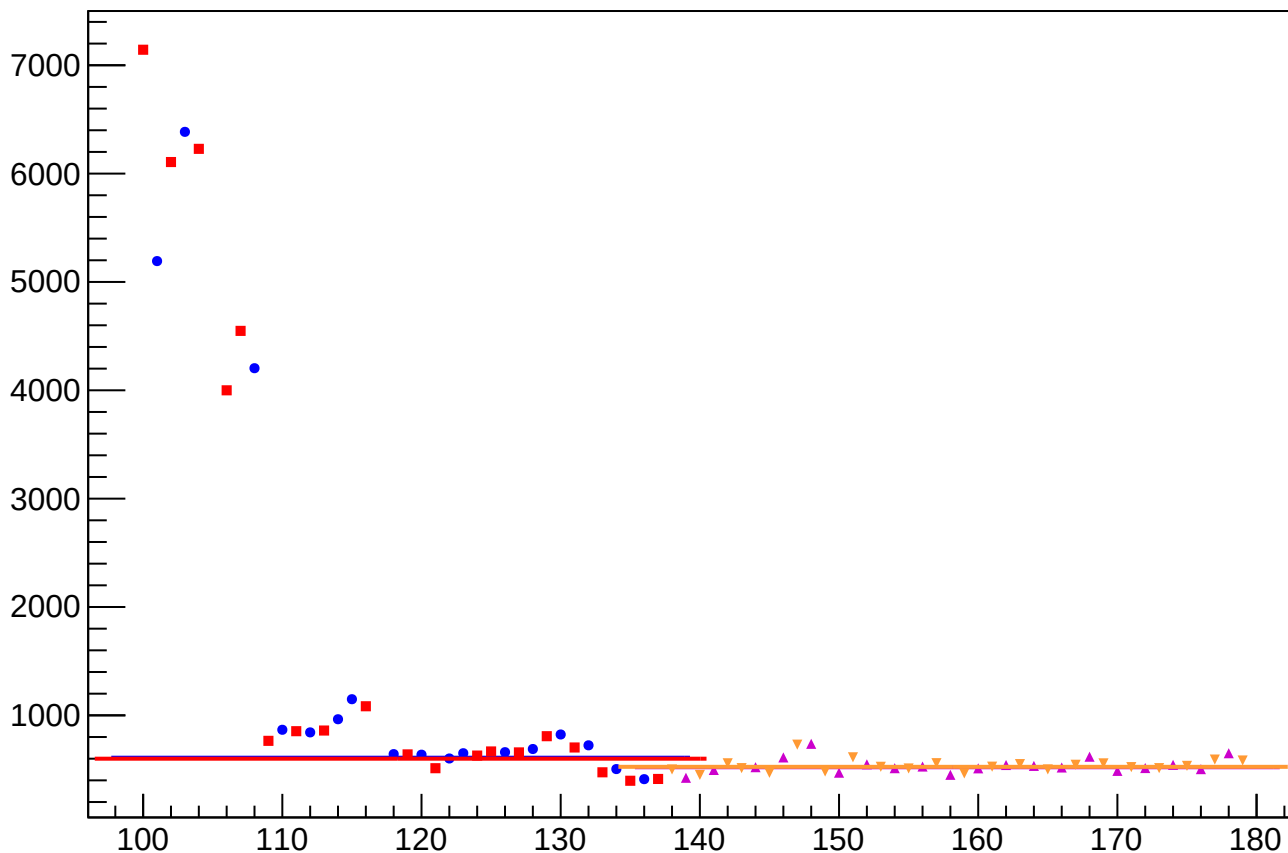
Left In: 0.084 ± 0.133 χ^2/NDF : 33.2/19

+ sign 0.198 ± 0.117 χ^2/NDF : 38.2/38

All: 0.160 ± 0.083 χ^2/NDF : 92.4/77

- sign 0.119 ± 0.119 χ^2/NDF : 54.0/38

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

+ sign 540.613 $\pm$ 0.083 χ^2 /NDF: 3619123.3/38

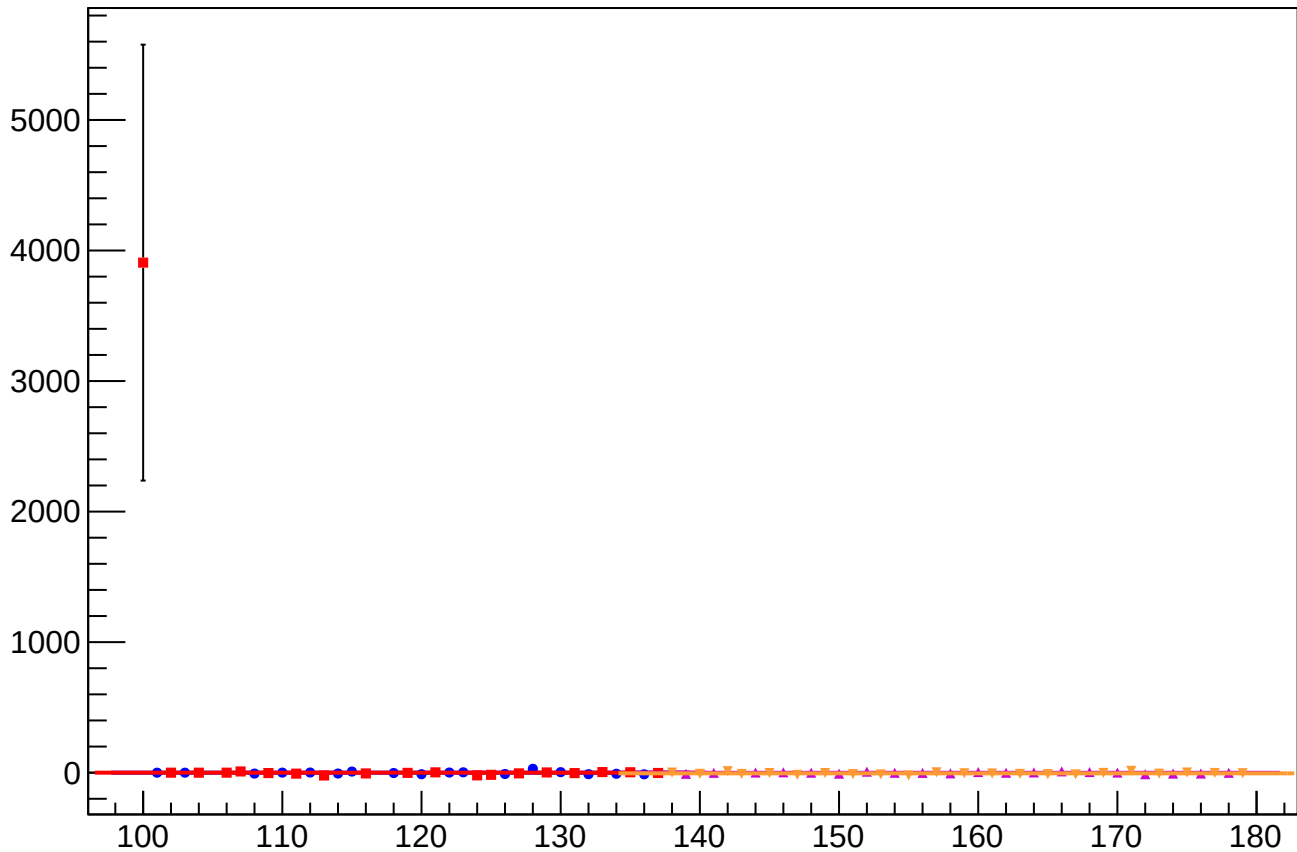
Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

All: 538.786 $\pm$ 0.059 χ^2 /NDF: 7741333.5/77

Left In: 520.852 $\pm$ 0.094 χ^2 /NDF:431009.7/19

- sign 536.891 $\pm$ 0.084 χ^2 /NDF: 4121215.3/38

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

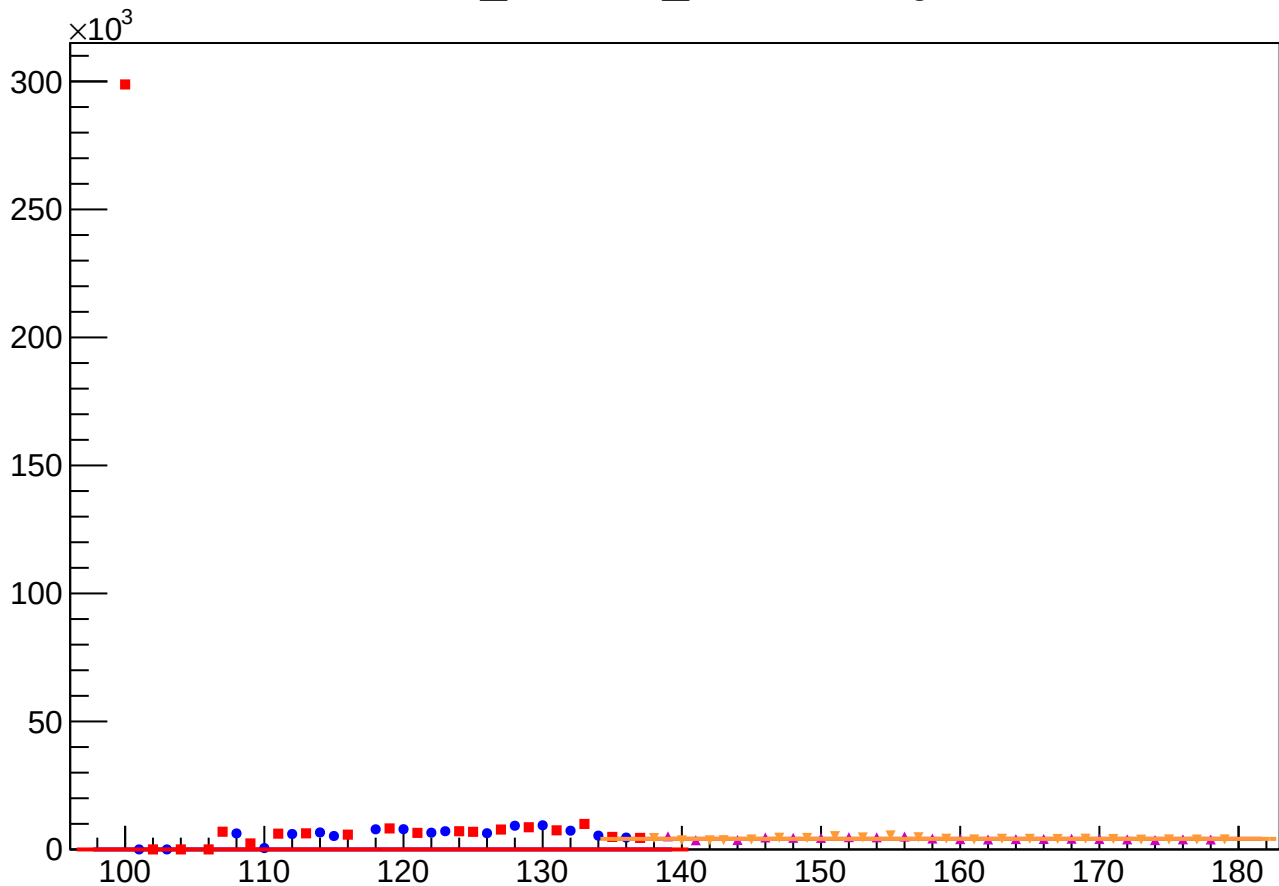
Left In: -0.907 ± 1.062 χ^2/NDF : 24.7/19

+ sign -0.024 ± 0.021 χ^2/NDF : 96.2/38

All: -0.025 ± 0.014 χ^2/NDF : 138.9/77

- sign -0.027 ± 0.020 χ^2/NDF : 42.6/38

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

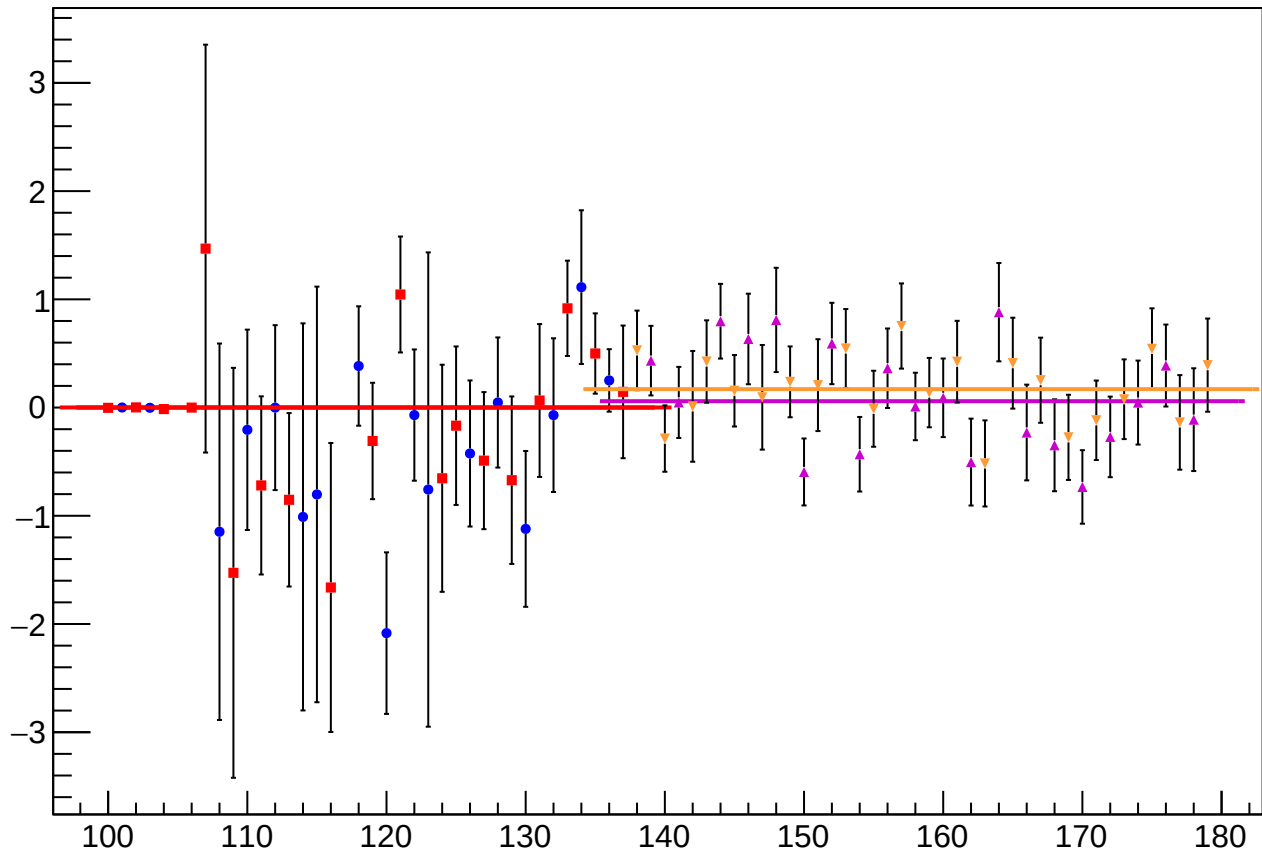
Left In: 4161.122 ± 0.751 χ^2/NDF : 320938.9/19

+ sign 19.045 ± 0.015 χ^2/NDF : 43201631.2/38

All: 18.867 ± 0.010 χ^2/NDF : 84791510.7/77

- sign 18.705 ± 0.014 χ^2/NDF : 41589600.0/38

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

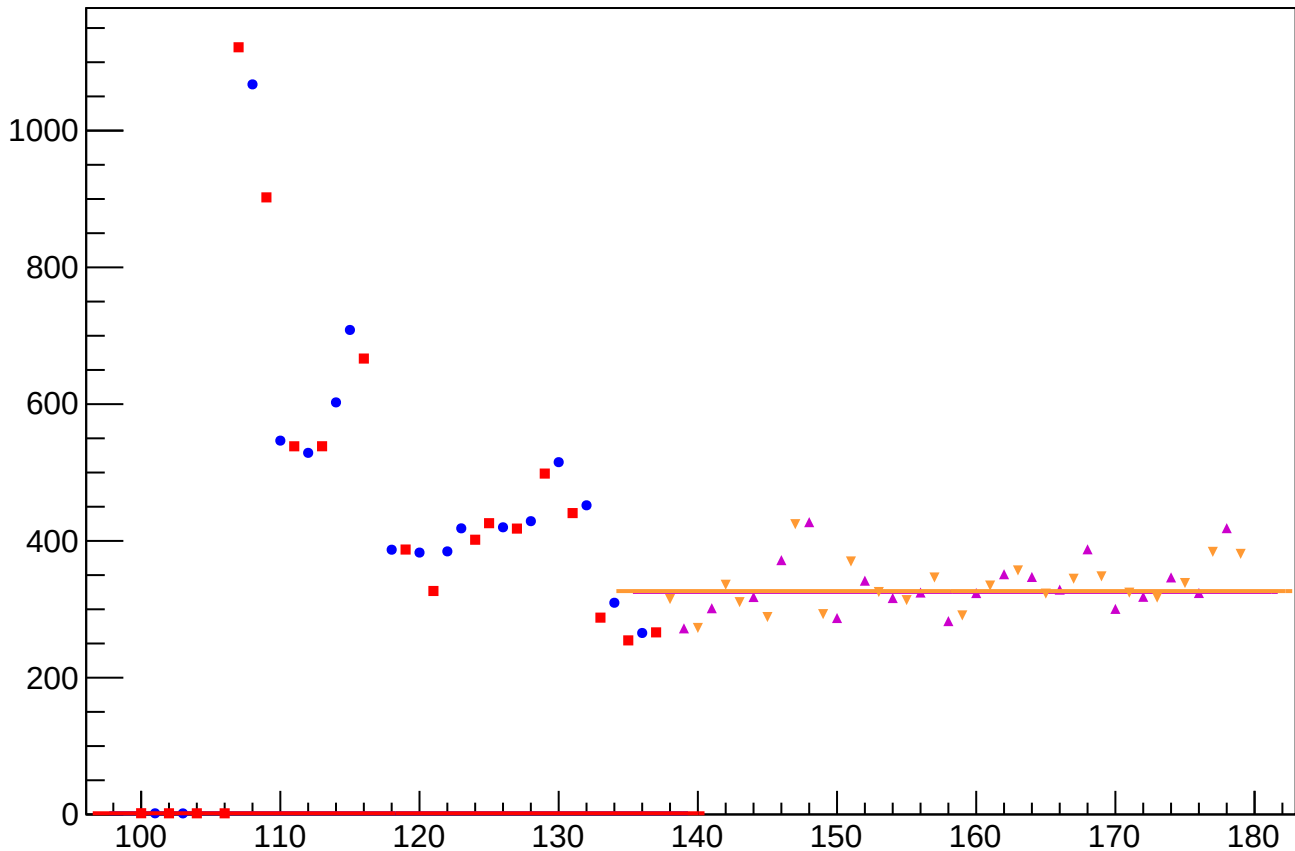
Left In: 0.059 ± 0.083 χ^2/NDF : 33.2/19

+ sign 0.000 ± 0.002 χ^2/NDF : 34.9/38

All: 0.001 ± 0.001 χ^2/NDF : 86.4/77

- sign 0.001 ± 0.002 χ^2/NDF : 51.5/38

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

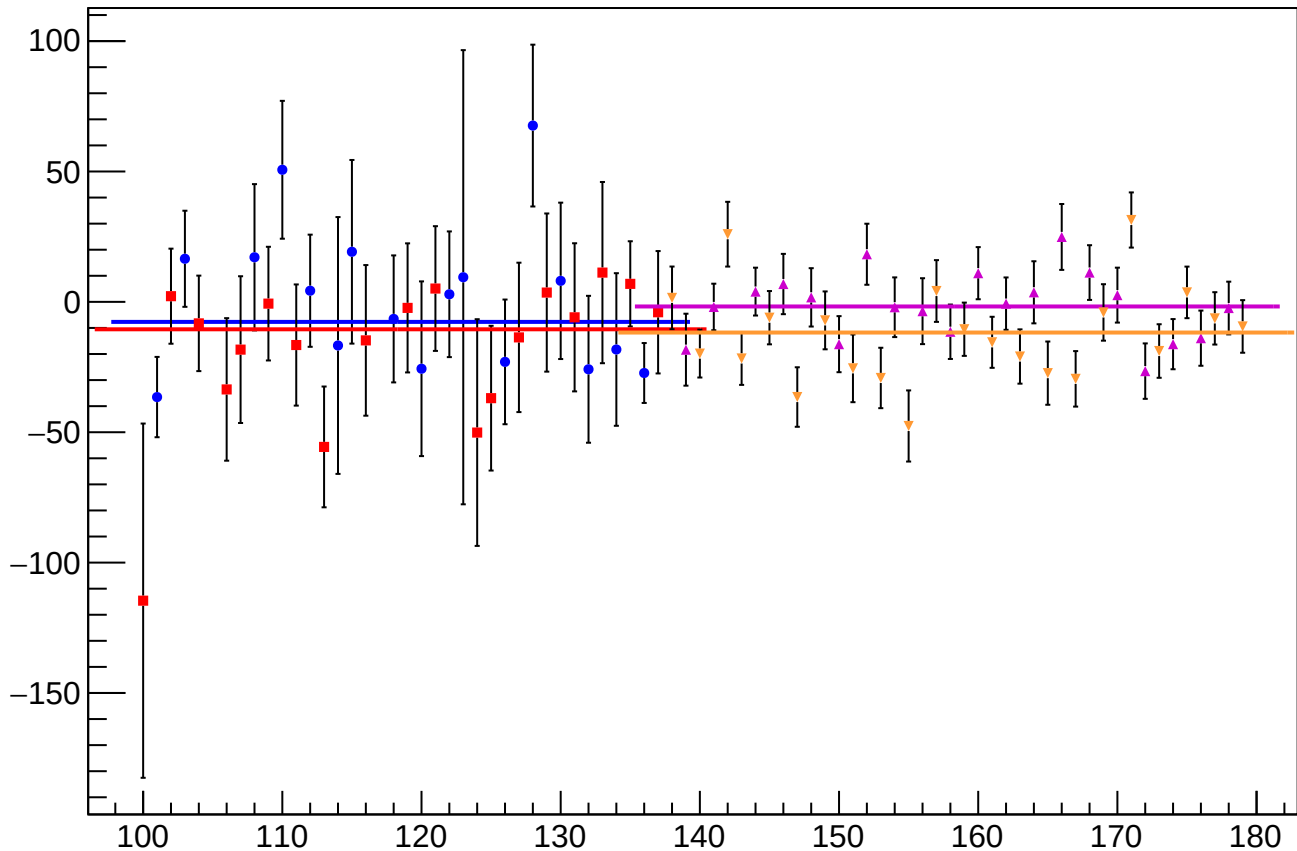
Left In: 325.395+/-0.059 χ^2/NDF : 404622.2/19

+ sign 1.903+/-0.001 χ^2/NDF : 43620824.4/38

All: 1.903+/-0.001 χ^2/NDF : 84971051.0/77

- sign 1.904+/-0.001 χ^2/NDF : 41350226.4/38

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

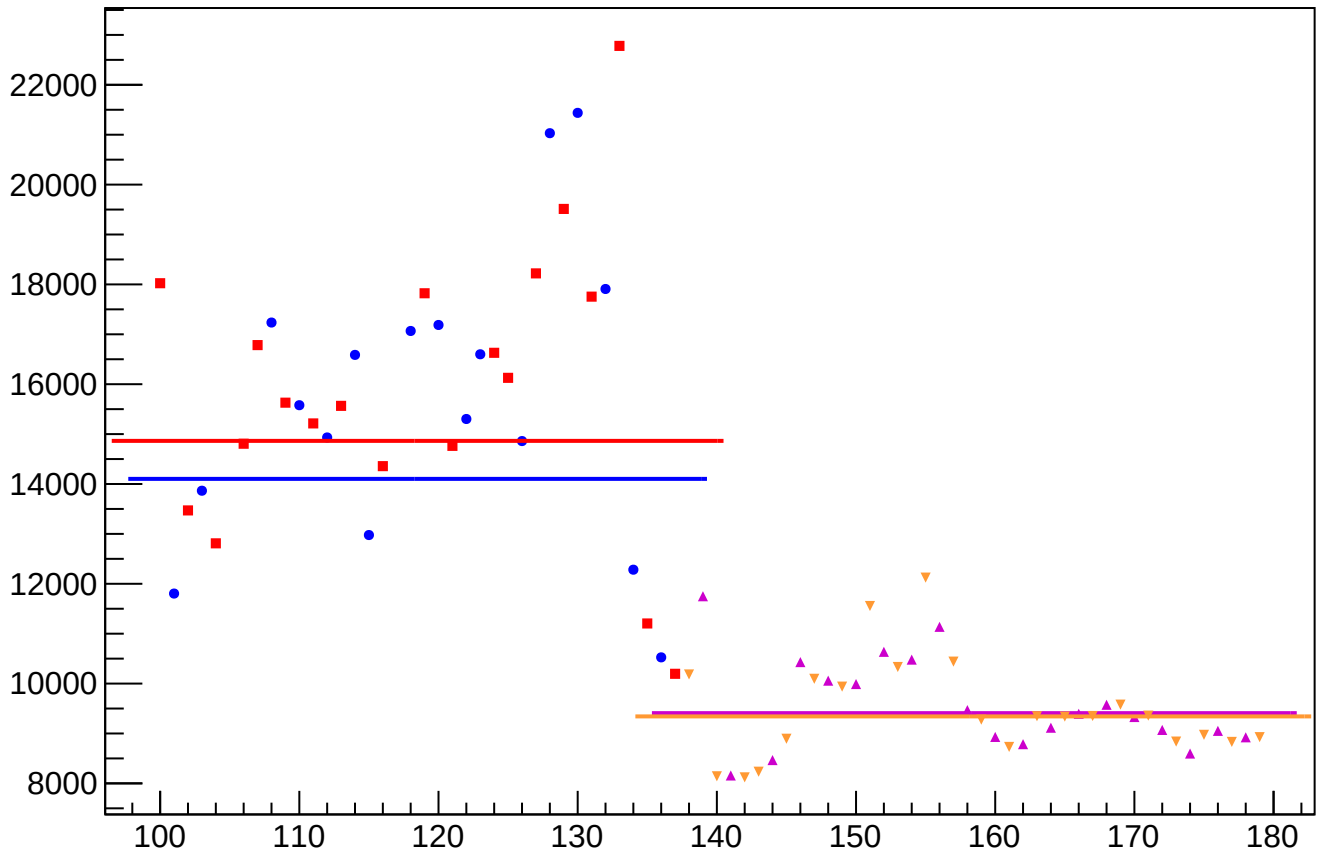
Left In: -1.767 ± 2.398 χ^2/NDF : 25.1/19

+ sign -11.178 ± 2.134 χ^2/NDF : 78.0/38

All: -7.275 ± 1.535 χ^2/NDF : 124.0/77

- sign -3.091 ± 2.209 χ^2/NDF : 39.0/38

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9342.193+/-1.630 χ^2/NDF : 303779.4/21

Right Out: 14864.163+/-4.018 χ^2/NDF : 470280.3/18

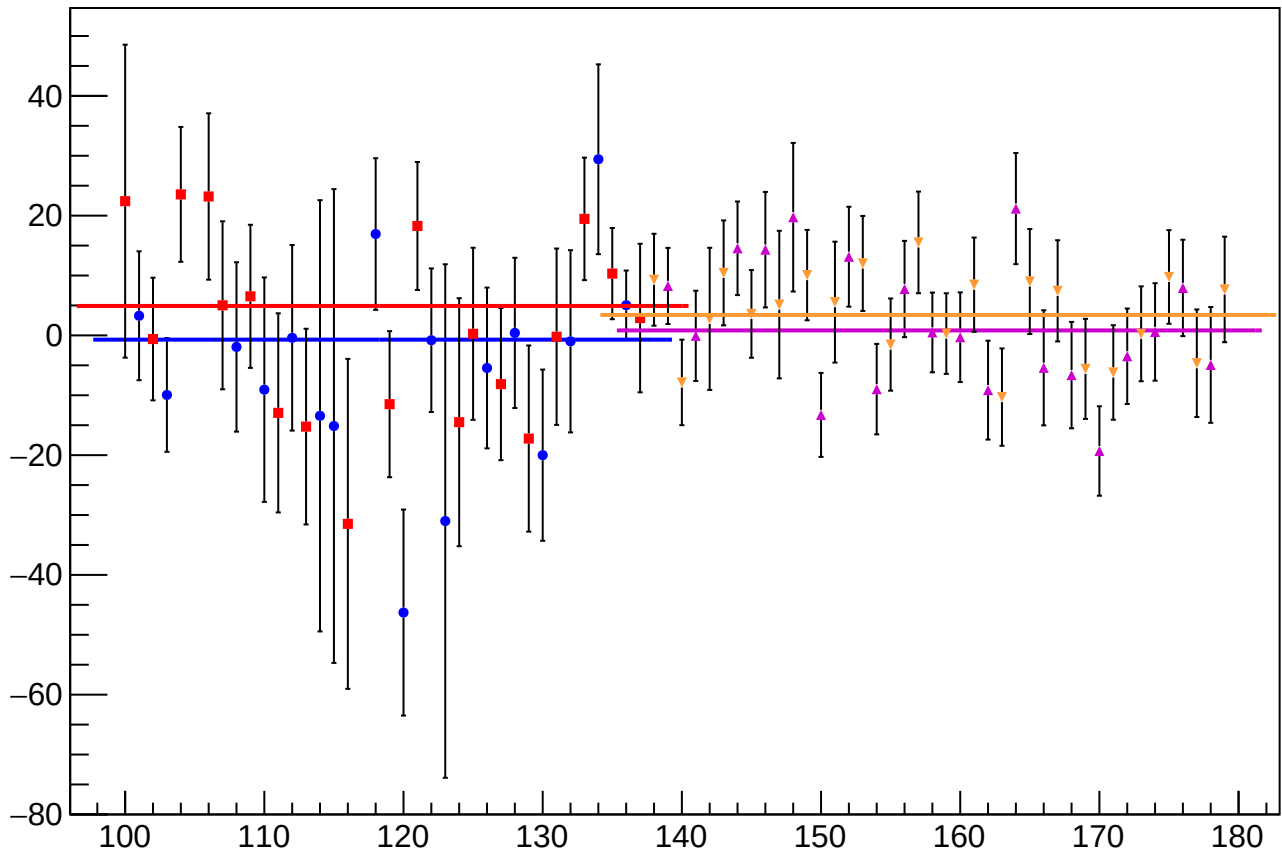
Left In: 9407.596+/-1.696 χ^2/NDF : 260418.4/19

+ sign 10026.560+/-1.509 χ^2/NDF : 2128206.9/38

All: 10125.955+/-1.085 χ^2/NDF : 4433364.8/77

- sign 10232.533+/-1.562 χ^2/NDF : 2296163.7/38

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

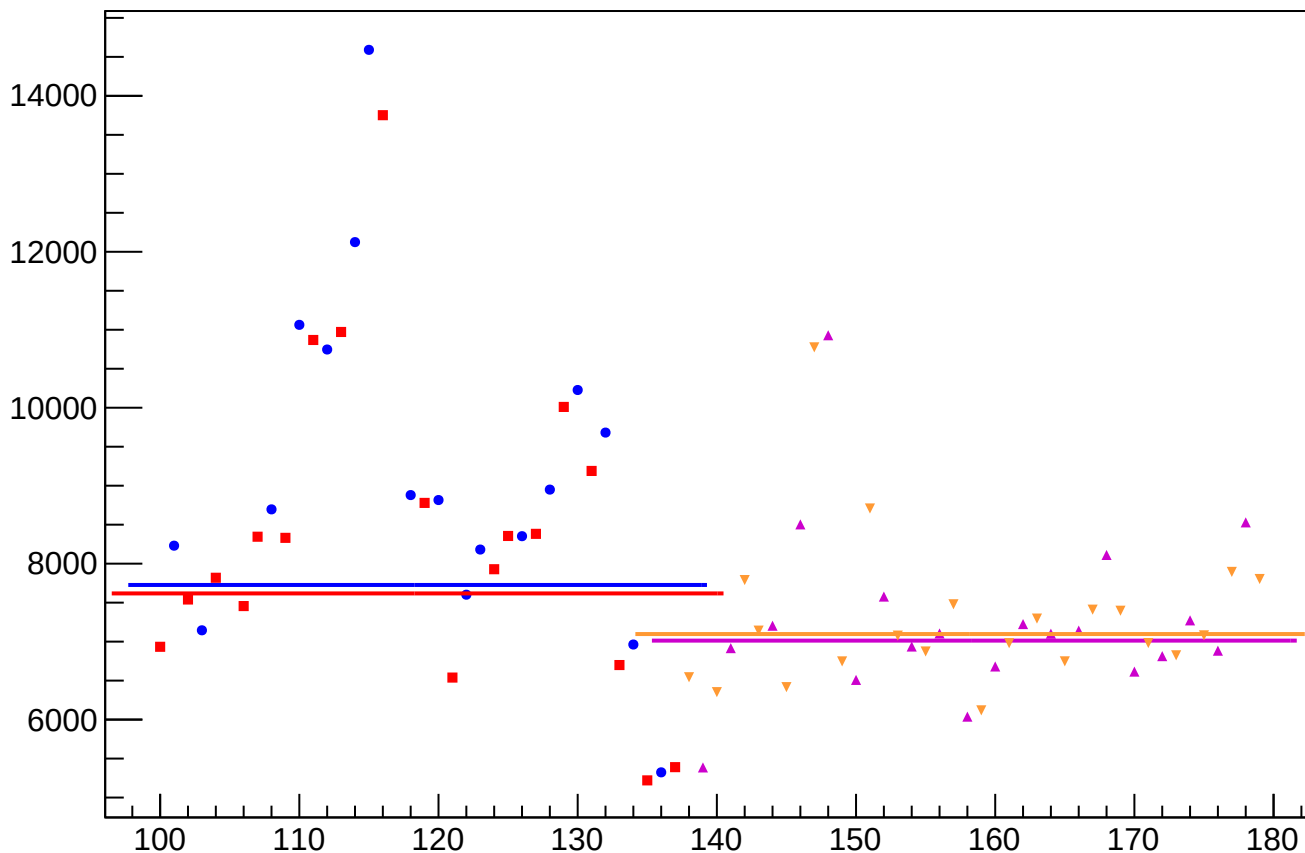
Left In: 0.831 ± 1.800 χ^2/NDF : 33.5/19

+ sign 2.405 ± 1.526 χ^2/NDF : 35.7/38

All: 2.176 ± 1.082 χ^2/NDF : 90.4/77

- sign 1.946 ± 1.535 χ^2/NDF : 54.7/38

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

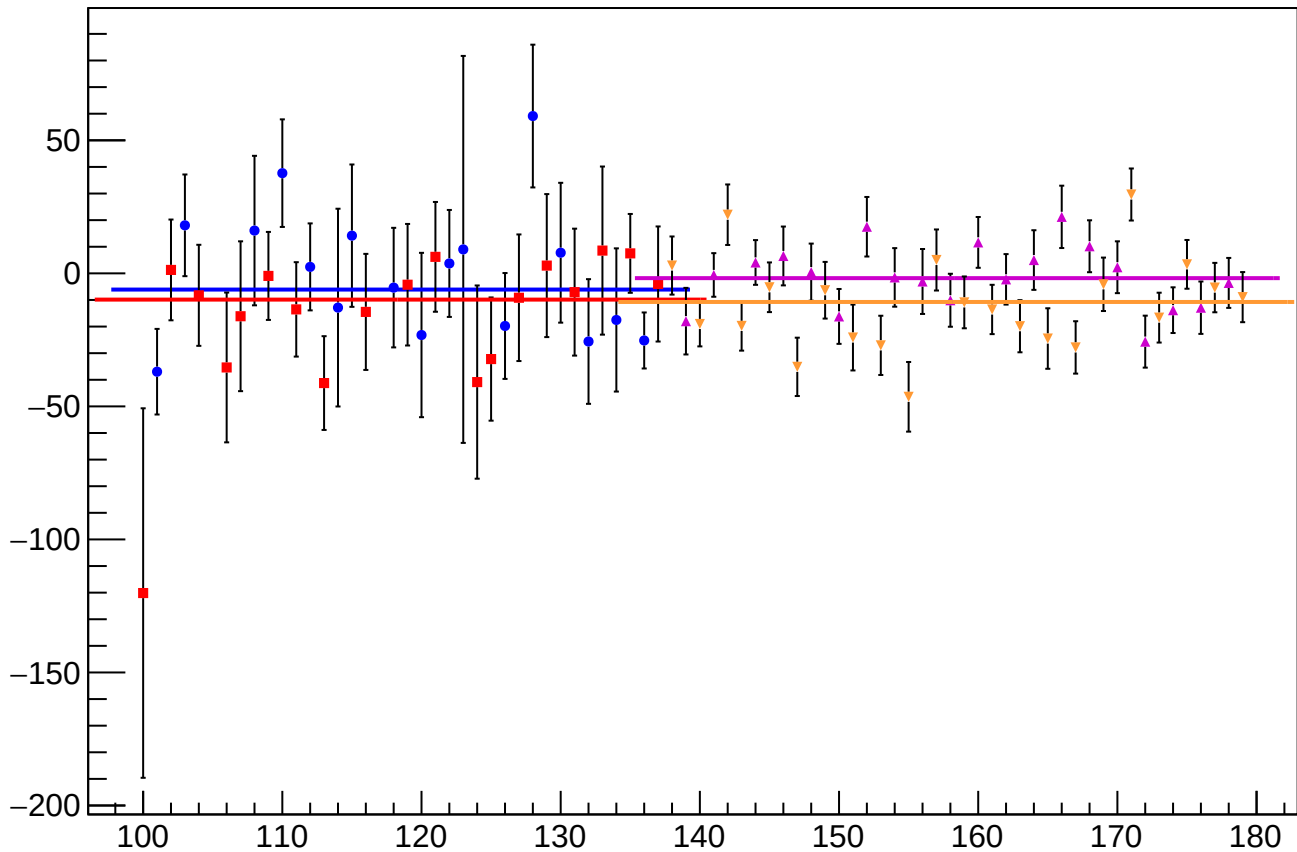
Left In: 7012.910+/-1.273 χ^2/NDF : 537421.9/19

+ sign 7251.326+/-1.079 χ^2/NDF : 1184608.3/38

All: 7214.839+/-0.765 χ^2/NDF : 2461137.7/77

- sign 7177.933+/-1.085 χ^2/NDF : 1274229.8/38

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

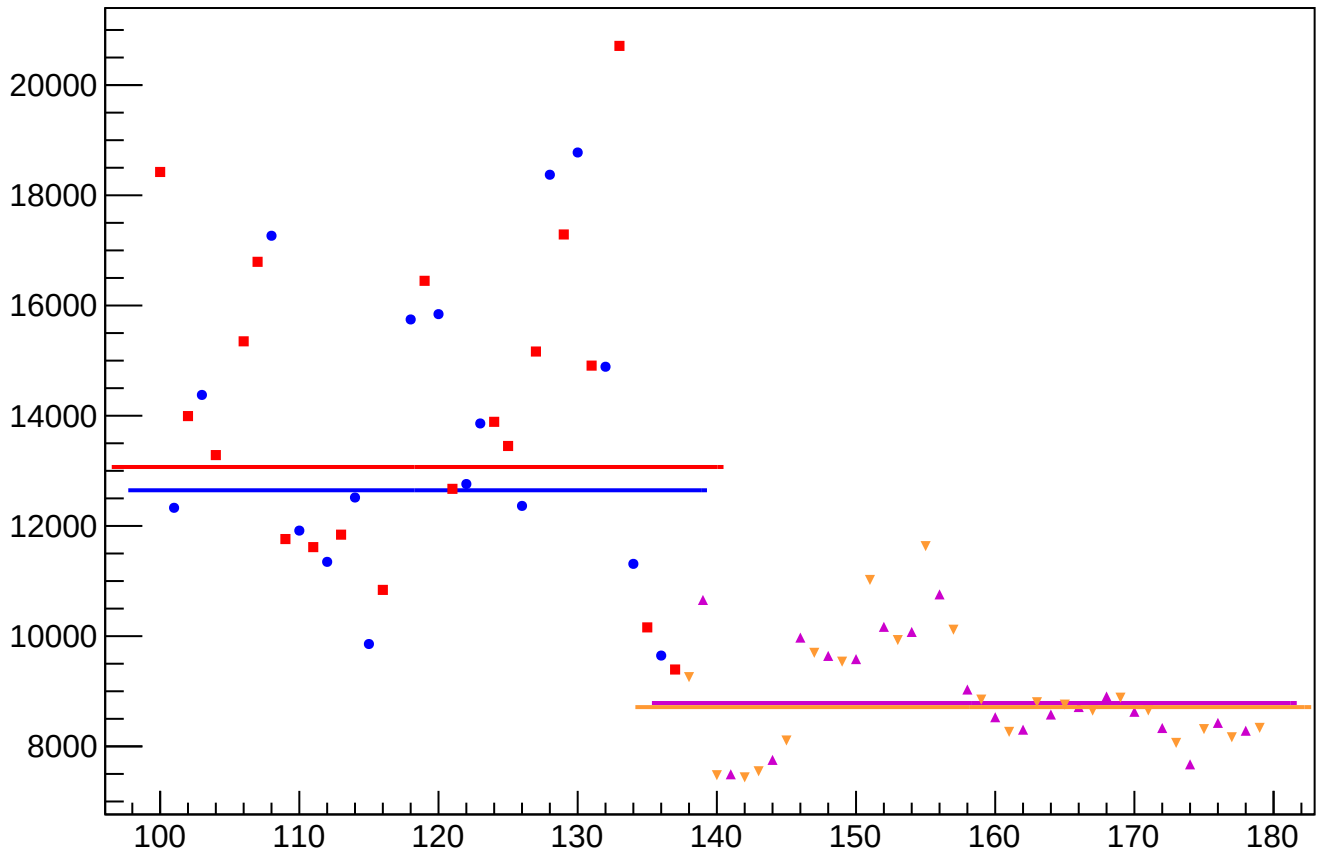
Left In: -1.799 ± 2.243 χ^2/NDF : 25.6/19

+ sign -10.030 ± 1.980 χ^2/NDF : 79.6/38

All: -6.703 ± 1.423 χ^2/NDF : 124.8/77

- sign -3.149 ± 2.046 χ^2/NDF : 39.4/38

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

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

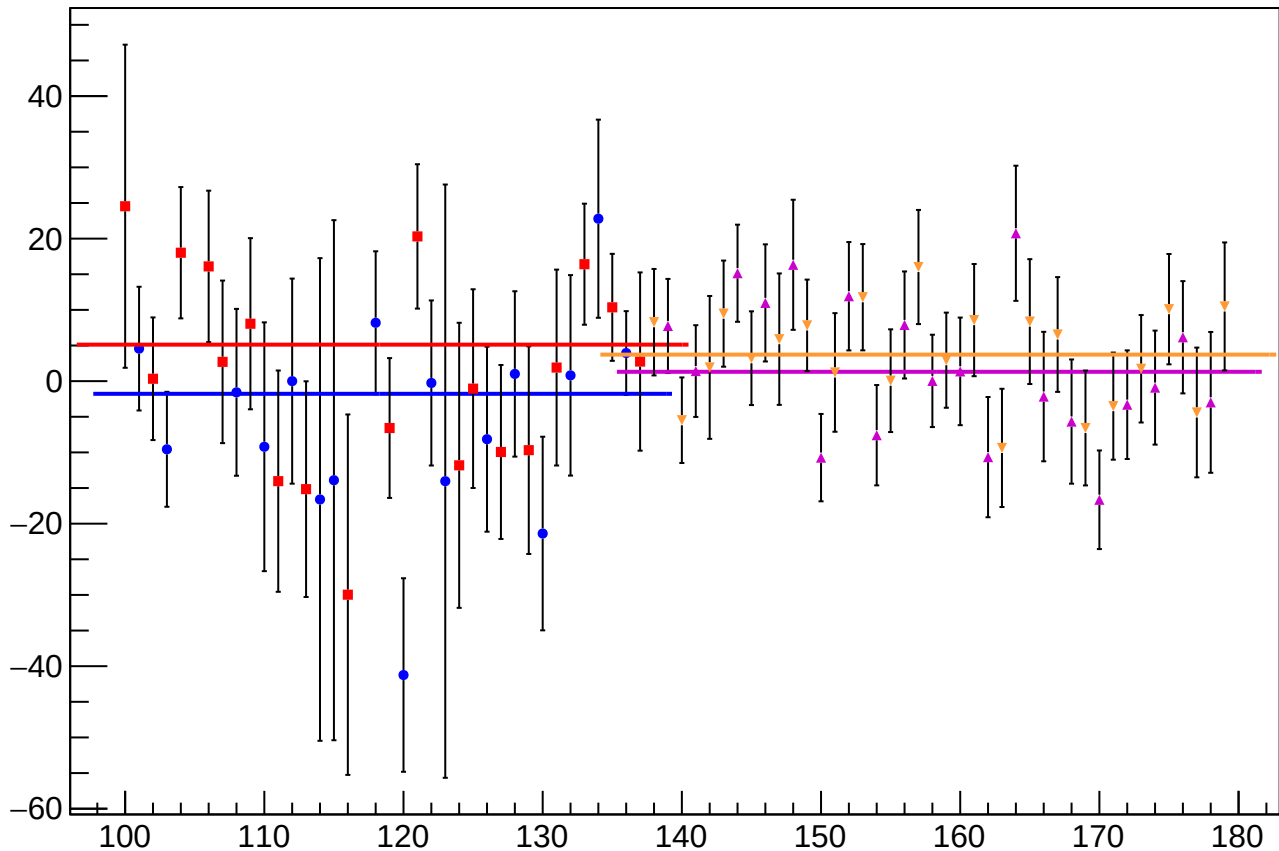
Left In: 8787.019+/-1.586 χ^2/NDF : 338287.0/19

+ sign 9321.307+/-1.400 χ^2/NDF : 1980942.9/38

All: 9409.393+/-1.006 χ^2/NDF : 4043947.1/77

- sign 9503.497+/-1.447 χ^2/NDF : 2054816.8/38

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

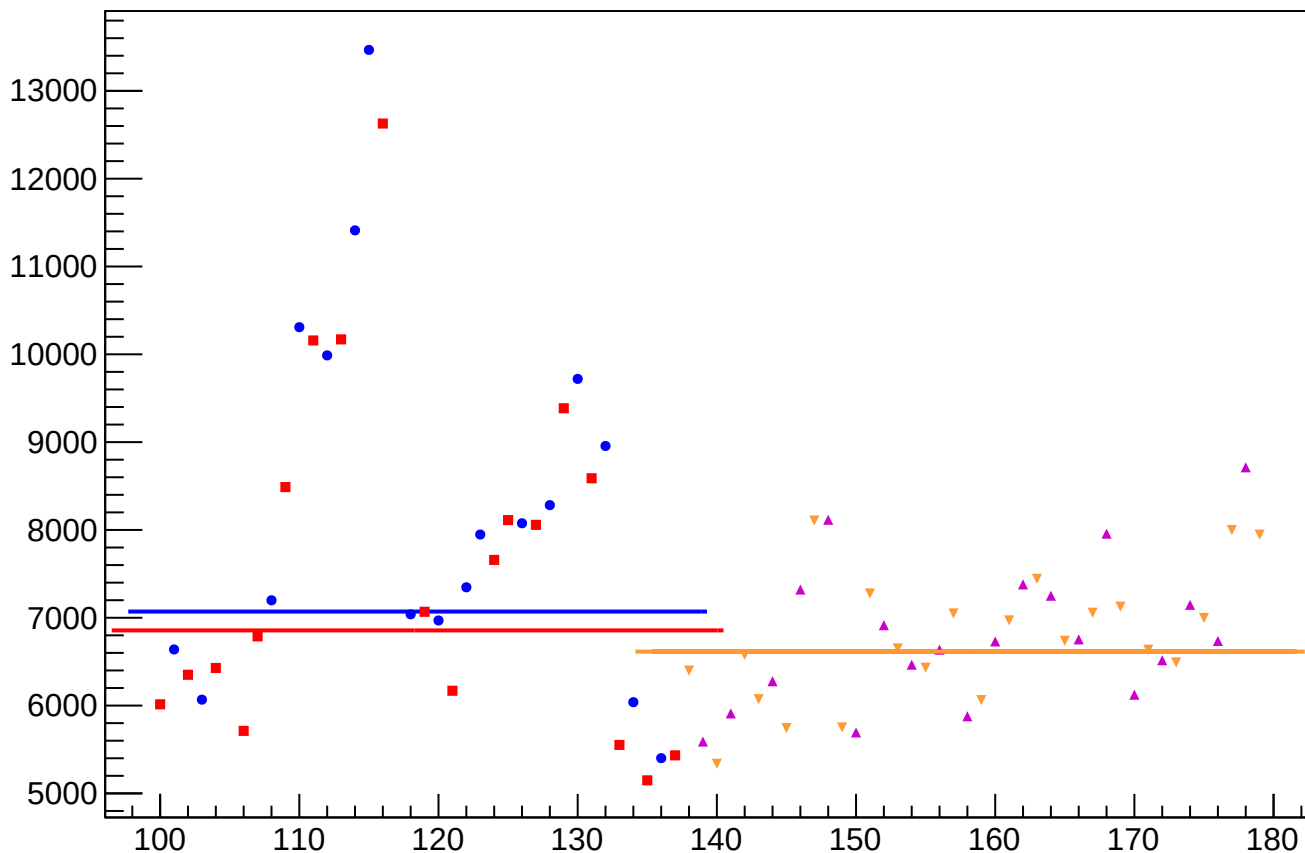
Left In: 1.312 ± 1.692 χ^2/NDF : 32.1/19

+ sign 2.327 ± 1.414 χ^2/NDF : 36.5/38

All: 2.374 ± 1.004 χ^2/NDF : 89.0/77

- sign 2.421 ± 1.425 χ^2/NDF : 52.5/38

diff_bpm4eY_rms vs Slug



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6614.688 $\pm$ 1.157 χ^2 /NDF: 394193.9/21

Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

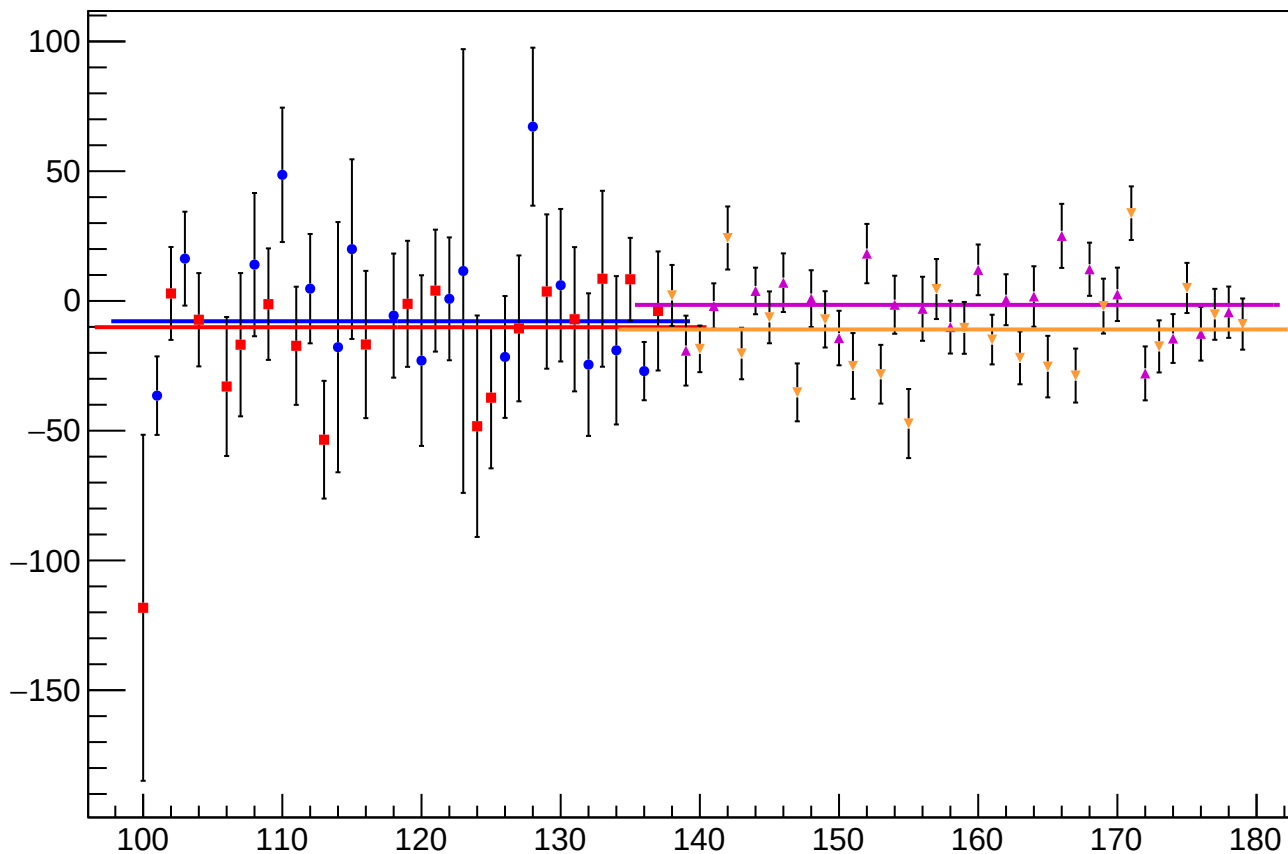
Left In: 6615.848 $\pm$ 1.197 χ^2 /NDF: 404592.9/19

+ sign 6730.415 $\pm$ 1.000 χ^2 /NDF: 1035296.9/38

All: 6708.271 $\pm$ 0.710 χ^2 /NDF: 2134830.6/77

- sign 6685.766 $\pm$ 1.008 χ^2 /NDF: 1098544.1/38

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

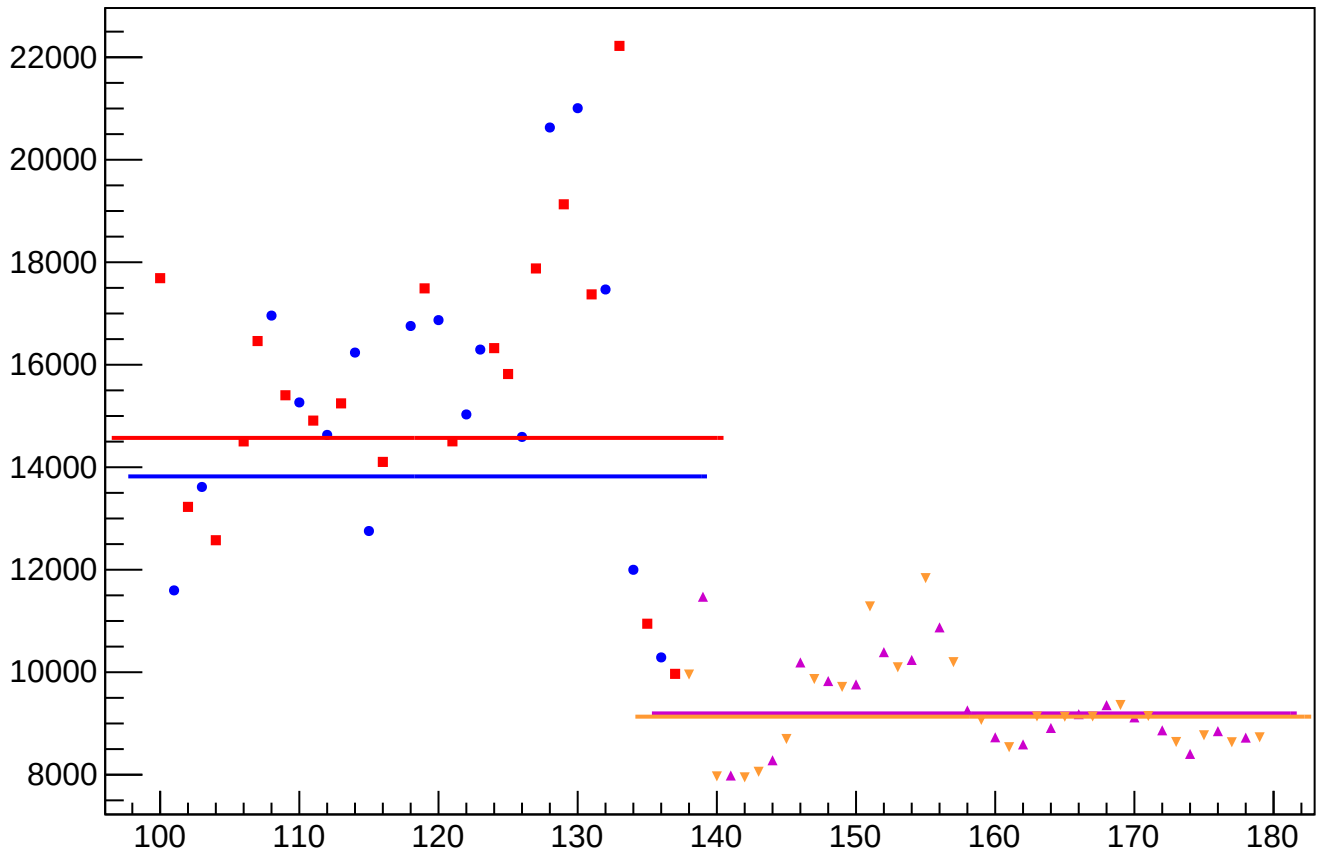
Left In: -1.518 ± 2.344 χ^2/NDF : 26.1/19

+ sign -10.533 ± 2.087 χ^2/NDF : 80.4/38

All: -6.806 ± 1.501 χ^2/NDF : 127.3/77

- sign -2.811 ± 2.161 χ^2/NDF : 40.3/38

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

+ sign 9803.954+/-1.475 χ^2/NDF : 2141352.4/38

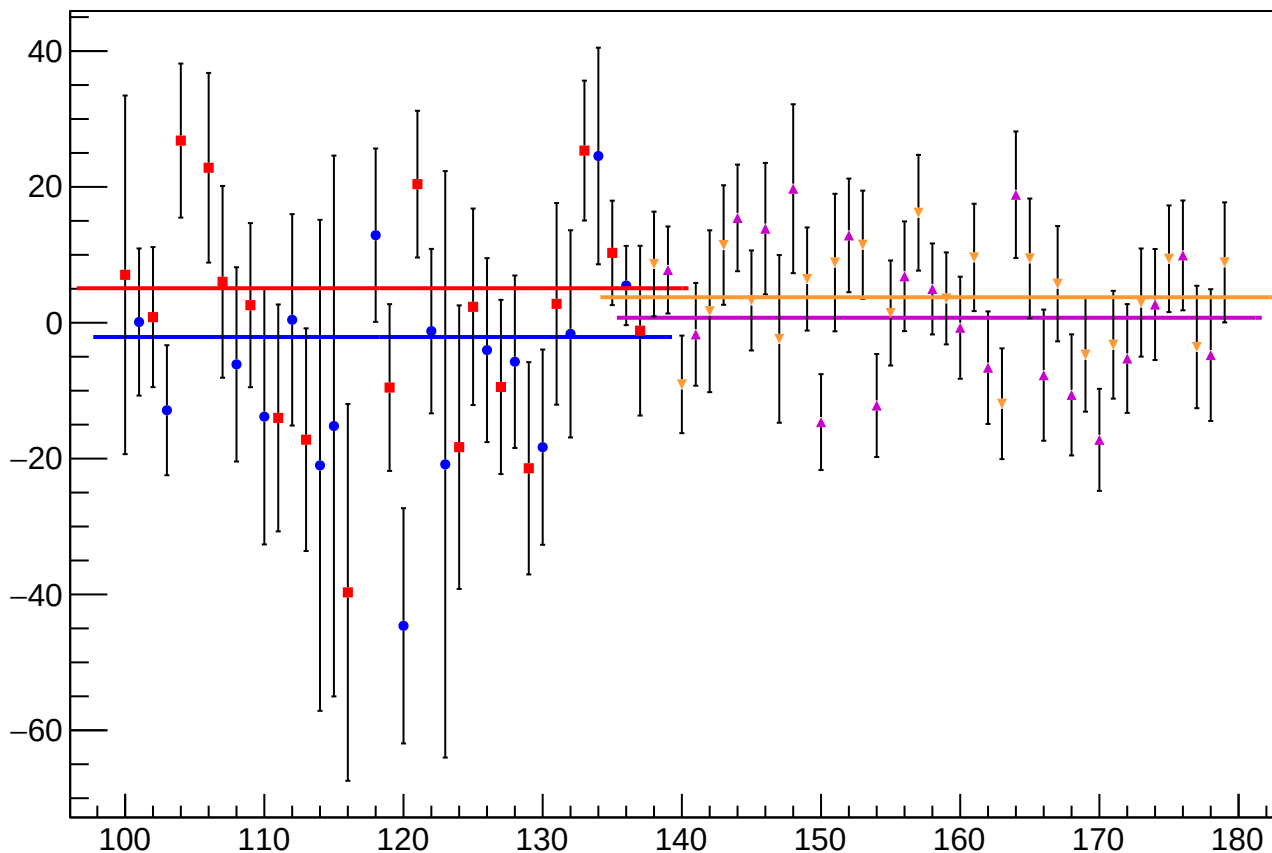
Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

All: 9901.004+/-1.061 χ^2/NDF : 4462541.8/77

- sign 10005.072+/-1.528 χ^2/NDF : 2312222.6/38

Left In: 9196.486+/-1.658 χ^2/NDF :257562.9/19

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 $\chi^2/\text{NDF}: 24.8/18$

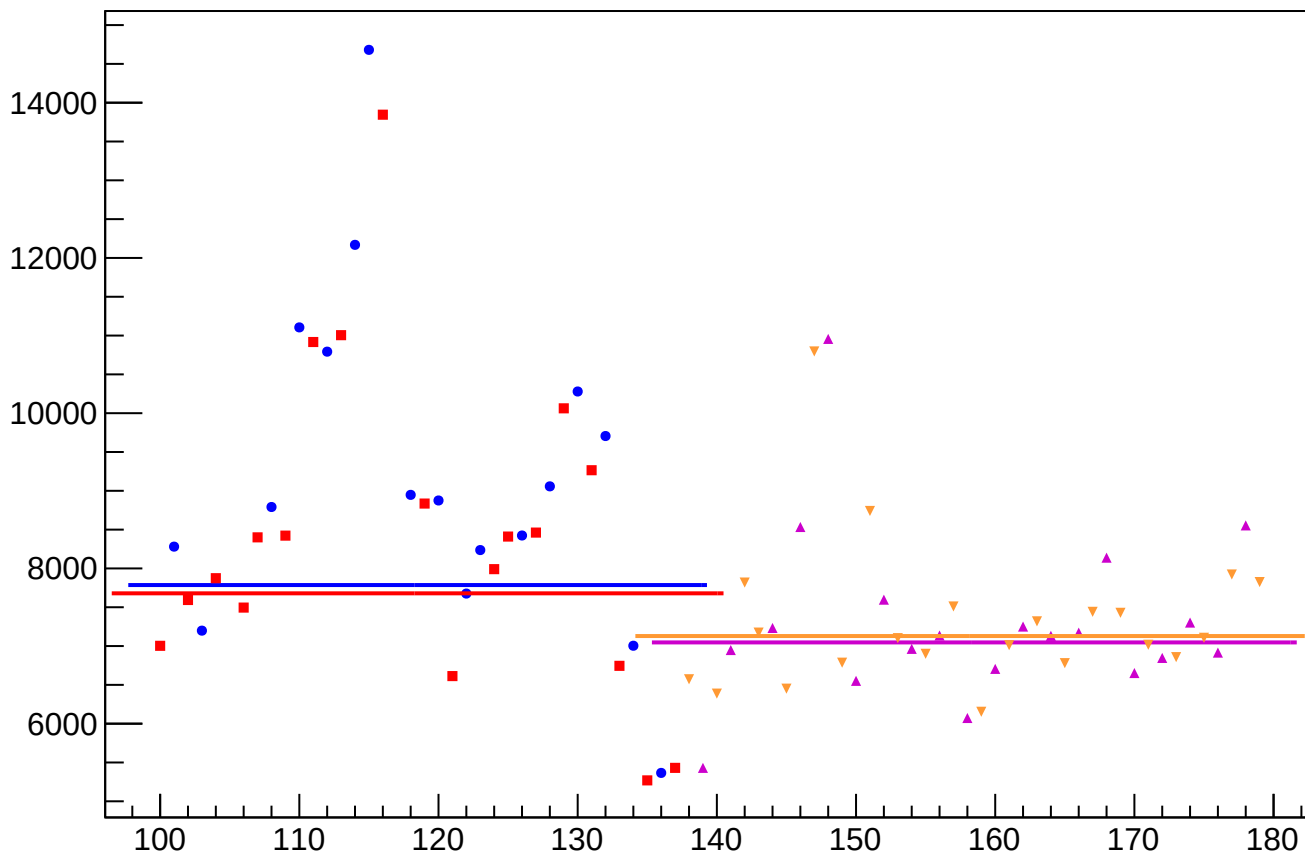
Left In: 0.736 ± 1.808 $\chi^2/\text{NDF}: 34.7/19$

+ sign 2.330 ± 1.534 $\chi^2/\text{NDF}: 34.6/38$

All: 2.124 ± 1.088 $\chi^2/\text{NDF}: 95.6/77$

- sign 1.916 ± 1.543 $\chi^2/\text{NDF}: 61.0/38$

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

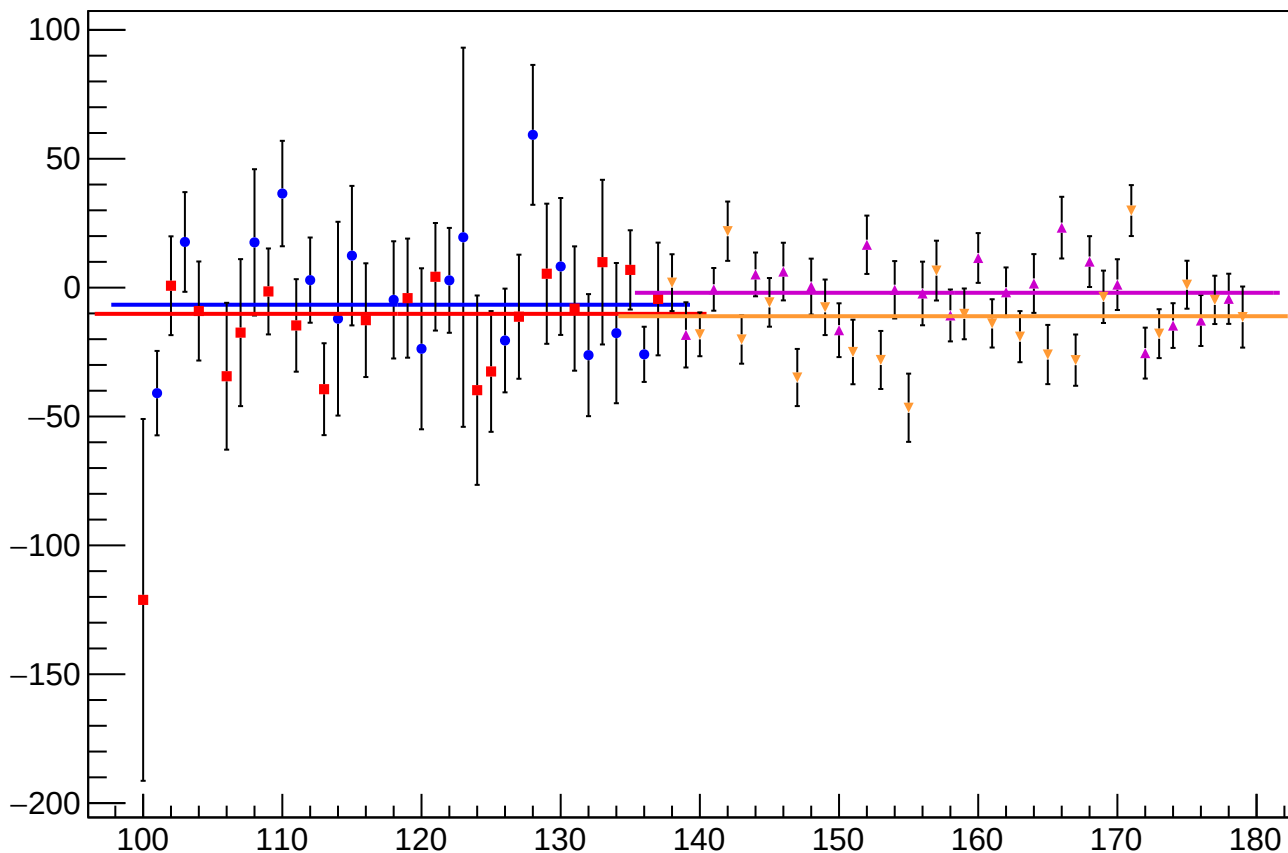
Left In: 7046.804+/-1.278 χ^2/NDF : 528391.4/19

+ sign 7289.114+/-1.085 χ^2/NDF : 1180135.5/38

All: 7253.992+/-0.769 χ^2/NDF : 2445783.9/77

- sign 7218.440+/-1.091 χ^2/NDF : 1263538.4/38

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -11.088 ± 2.198 χ^2/NDF : 55.1/21

Right Out: -10.172 ± 5.075 χ^2/NDF : 10.8/18

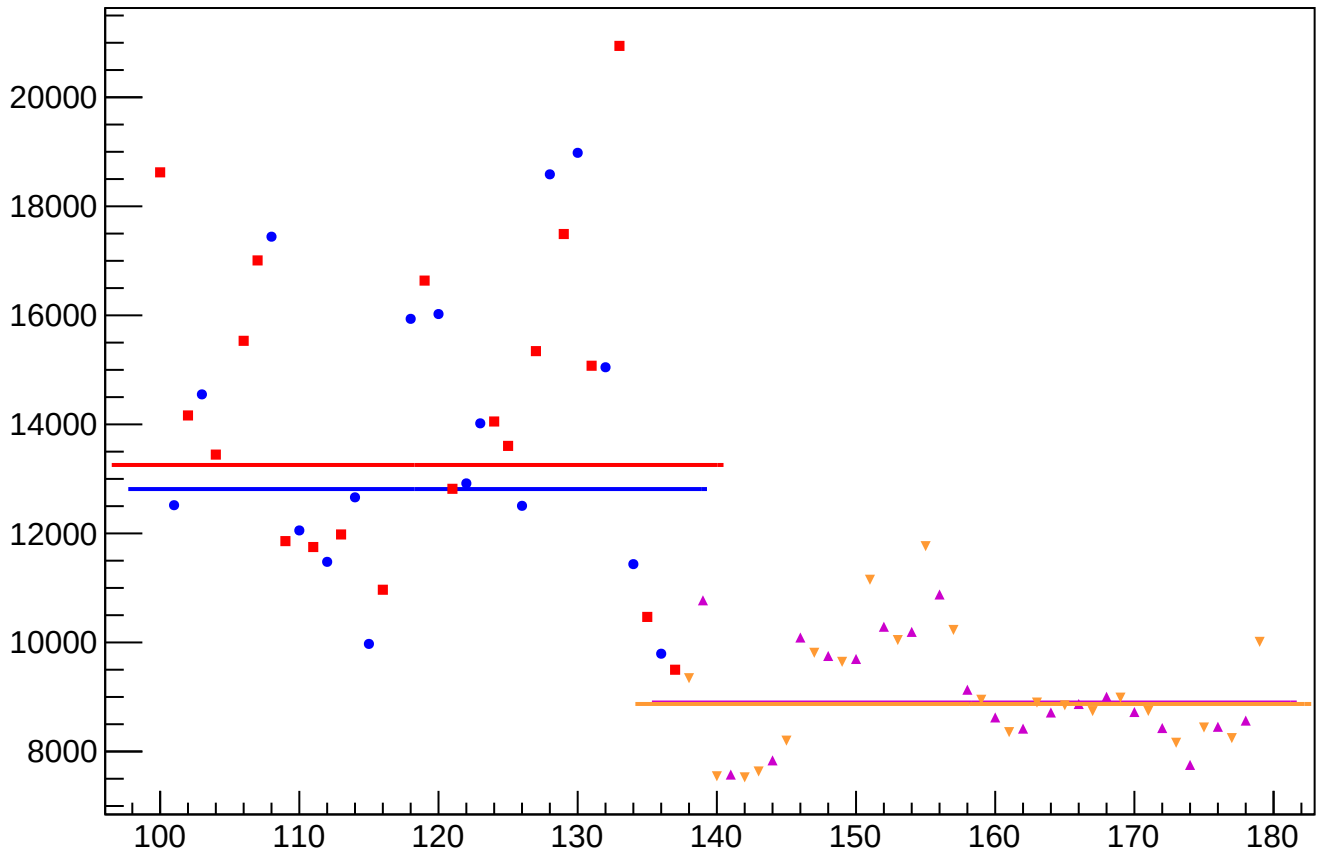
Left In: -1.999 ± 2.272 χ^2/NDF : 25.5/19

+ sign -10.391 ± 2.019 χ^2/NDF : 79.1/38

All: -6.971 ± 1.446 χ^2/NDF : 123.5/77

- sign -3.363 ± 2.073 χ^2/NDF : 38.5/38

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

+ sign 9488.897+/-1.427 χ^2/NDF : 1965741.1/38

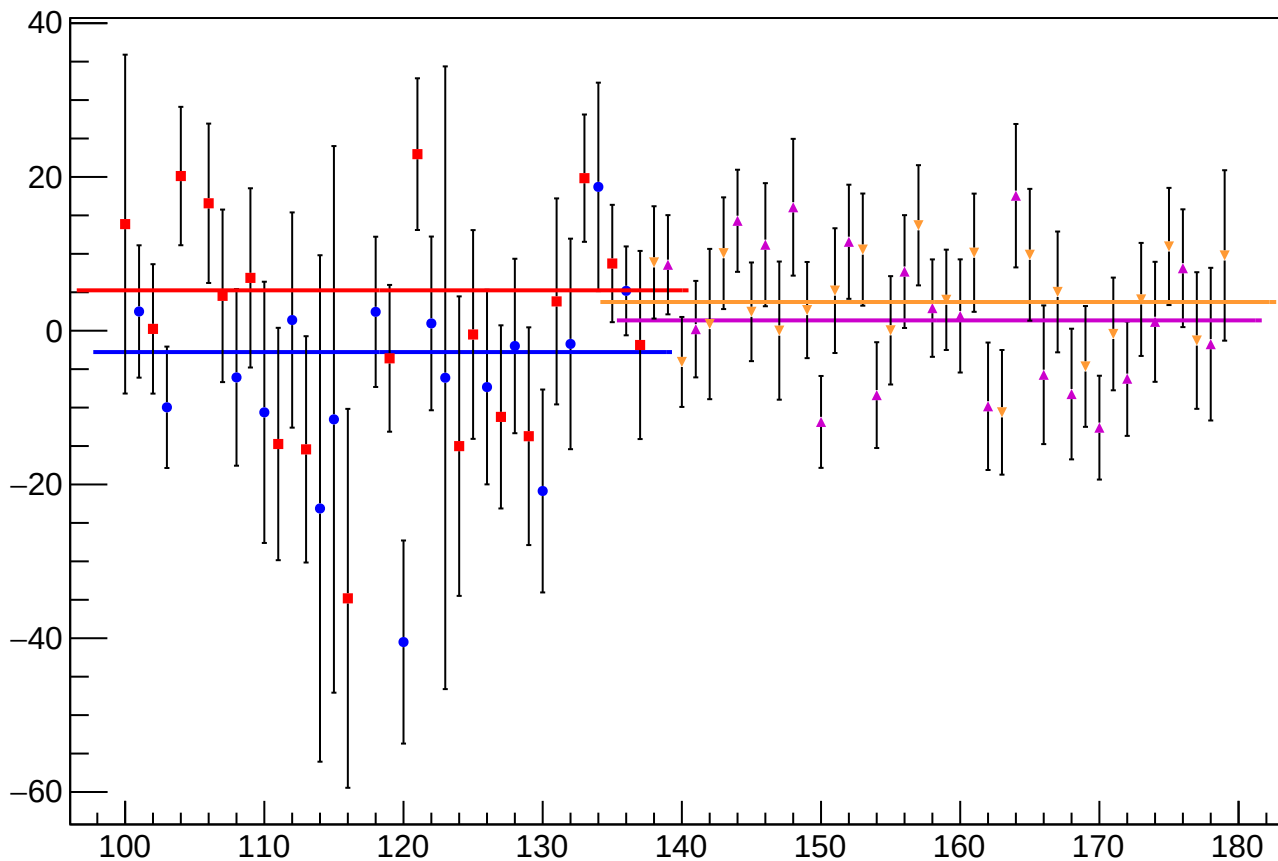
Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

All: 9555.516+/-1.023 χ^2/NDF : 4019082.4/77

- sign 9625.797+/-1.466 χ^2/NDF : 2048865.4/38

Left In: 8898.425+/-1.606 χ^2/NDF : 336378.1/19

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

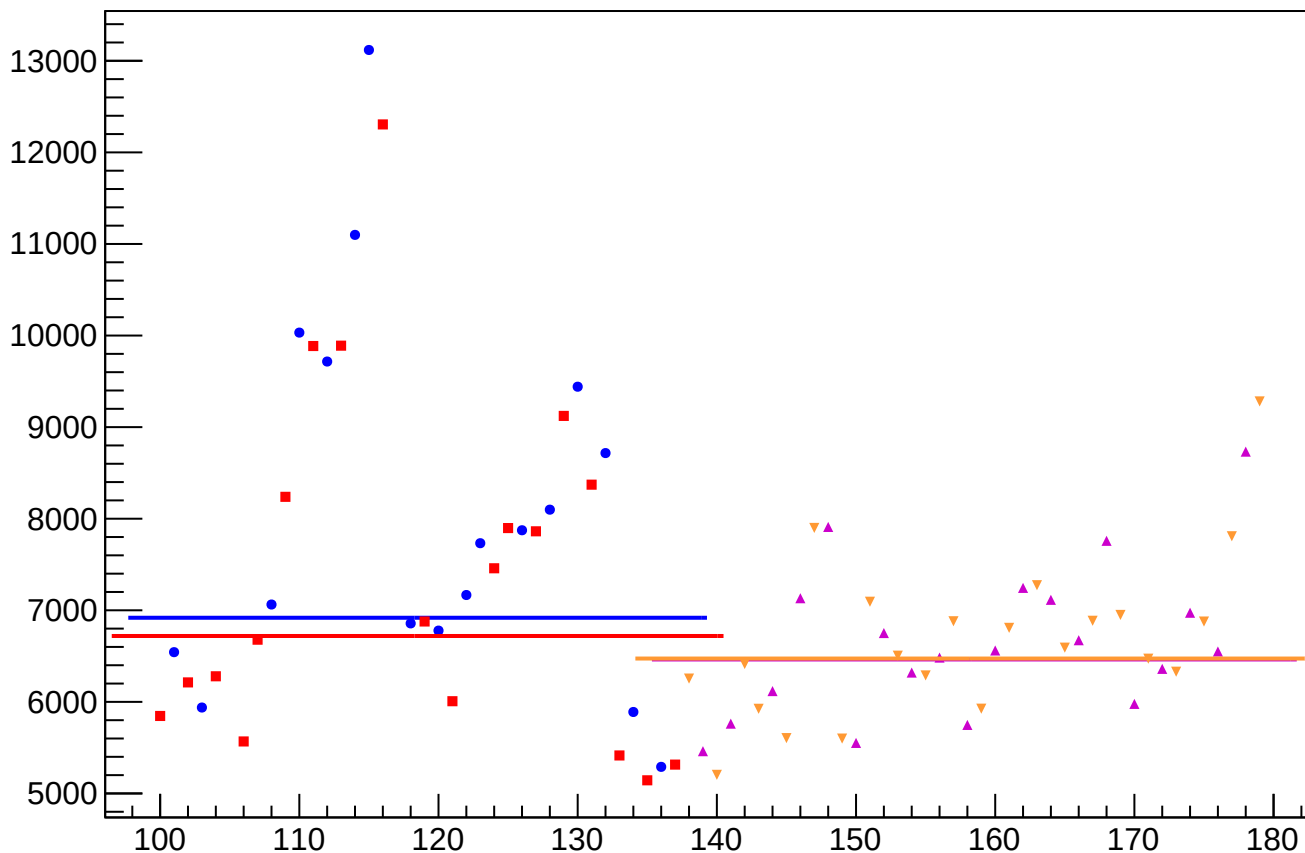
Left In: 1.342 ± 1.654 χ^2/NDF : 31.9/19

+ sign 2.072 ± 1.388 χ^2/NDF : 34.7/38

All: 2.273 ± 0.984 χ^2/NDF : 91.8/77

- sign 2.476 ± 1.394 χ^2/NDF : 57.0/38

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

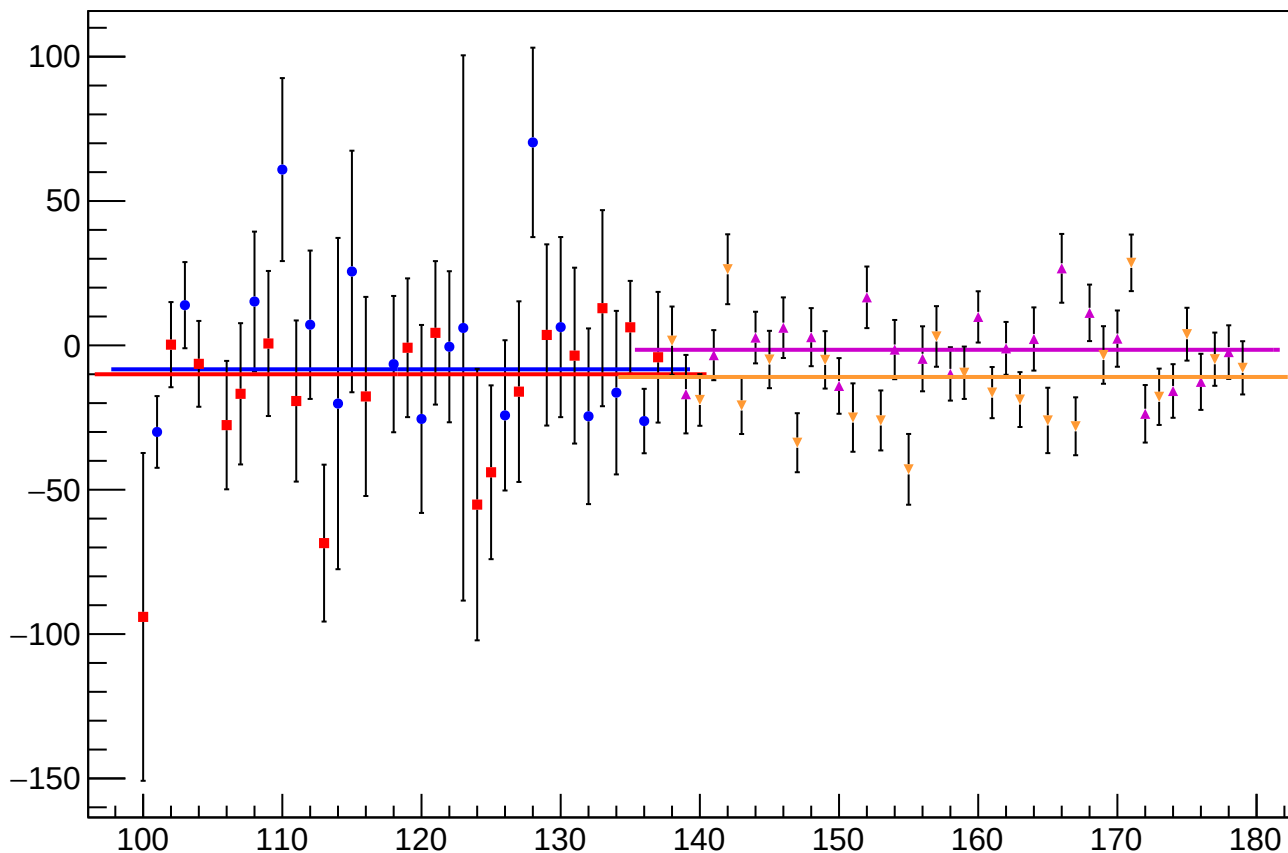
Left In: 6462.896+/-1.170 χ^2/NDF : 420694.1/19

+ sign 6586.805+/-0.981 χ^2/NDF : 1109725.3/38

All: 6562.145+/-0.695 χ^2/NDF : 2199455.3/77

- sign 6537.248+/-0.986 χ^2/NDF : 1088460.6/38

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

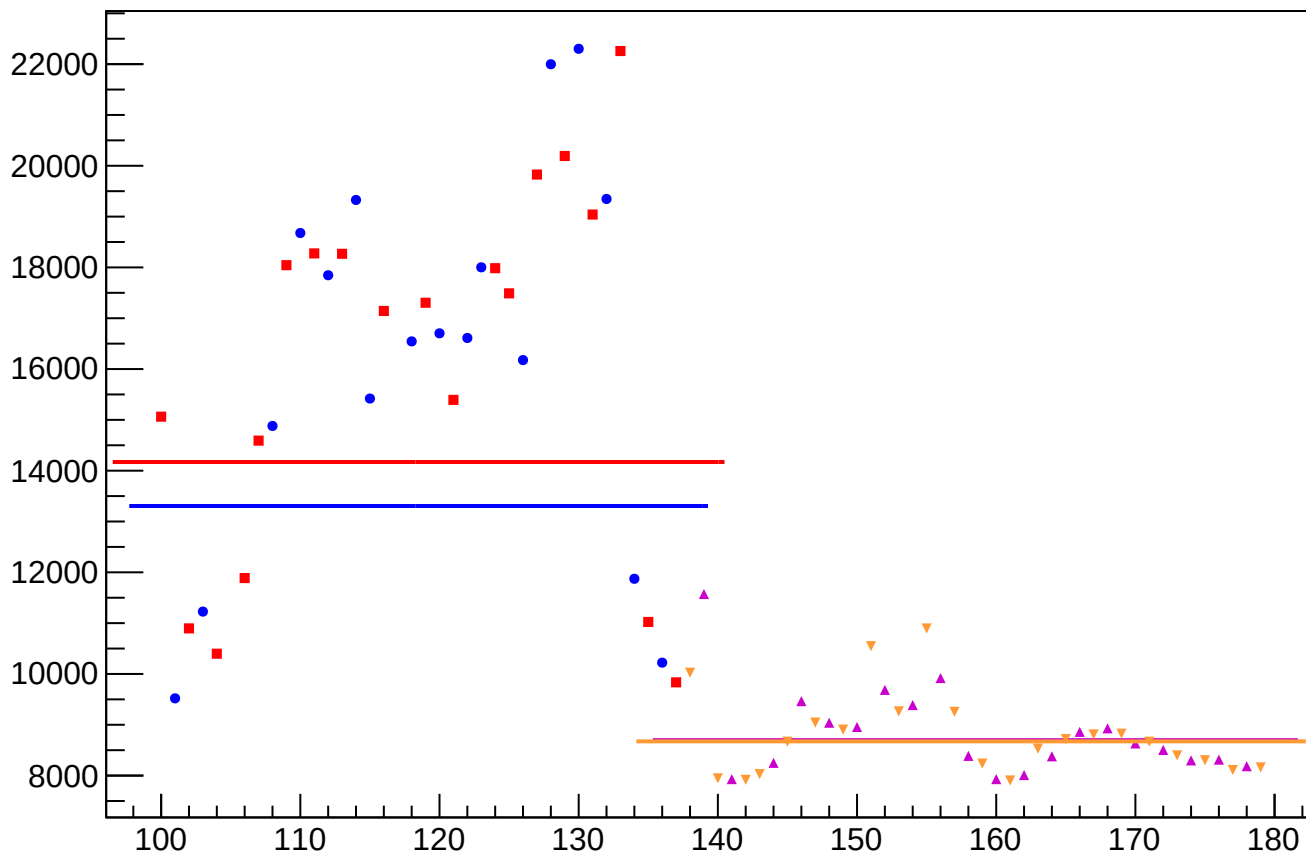
Left In: -1.530 ± 2.216 χ^2/NDF : 25.6/19

+ sign -10.585 ± 1.988 χ^2/NDF : 78.4/38

All: -6.779 ± 1.429 χ^2/NDF : 126.6/77

- sign -2.709 ± 2.056 χ^2/NDF : 40.6/38

diff_bpm1X_rms vs Slug



Right In: 13305.410 $\pm$ 3.826 χ^2 /NDF: 1044091.1/16

Left Out: 8673.692 $\pm$ 1.512 χ^2 /NDF:227213.0/21

Right Out: 14170.668 $\pm$ 3.898 χ^2 /NDF: 930612.1/18

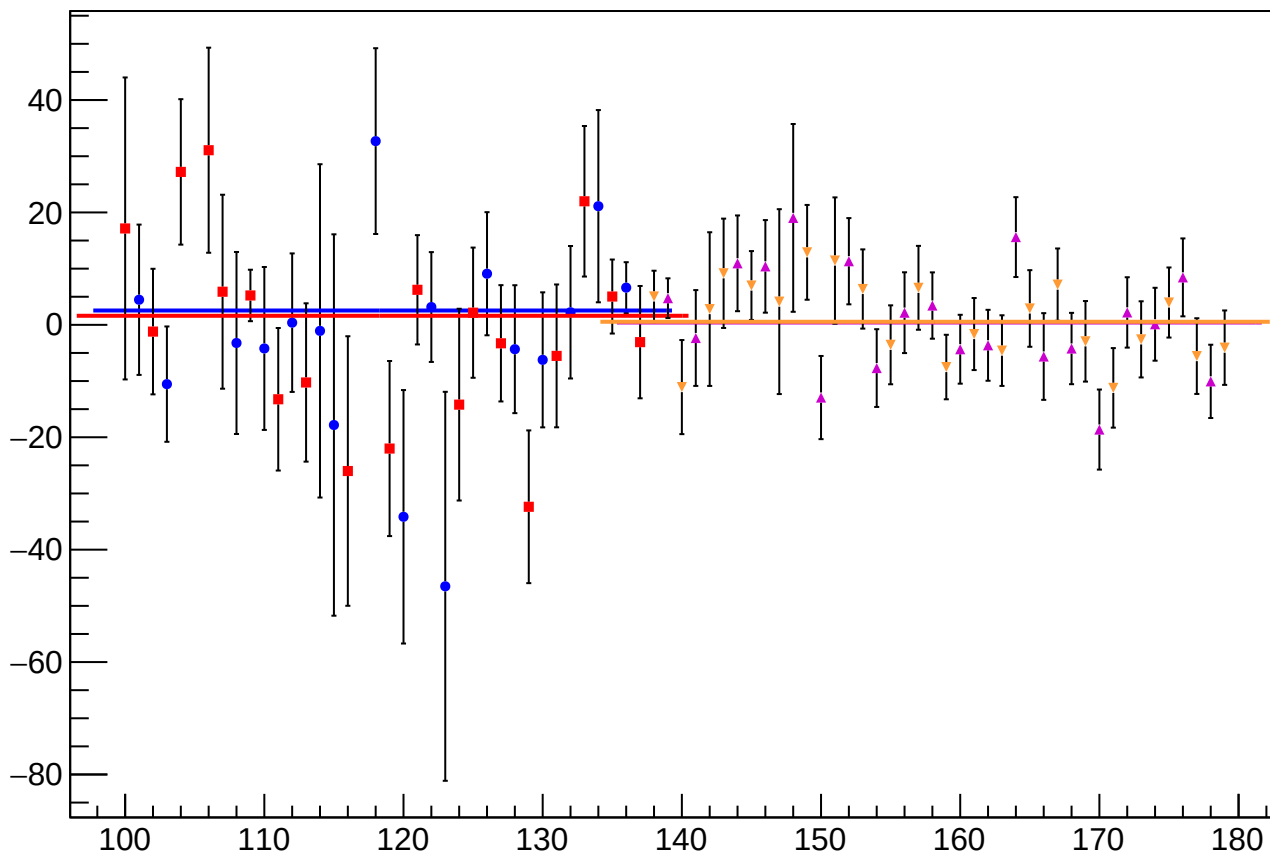
Left In: 8697.313 $\pm$ 1.567 χ^2 /NDF:219857.1/19

+ sign 9299.339 $\pm$ 1.406 χ^2 /NDF: 2539172.4/38

All: 9376.239 $\pm$ 1.011 χ^2 /NDF: 5392975.5/77

- sign 9458.448 $\pm$ 1.454 χ^2 /NDF: 2847613.7/38

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

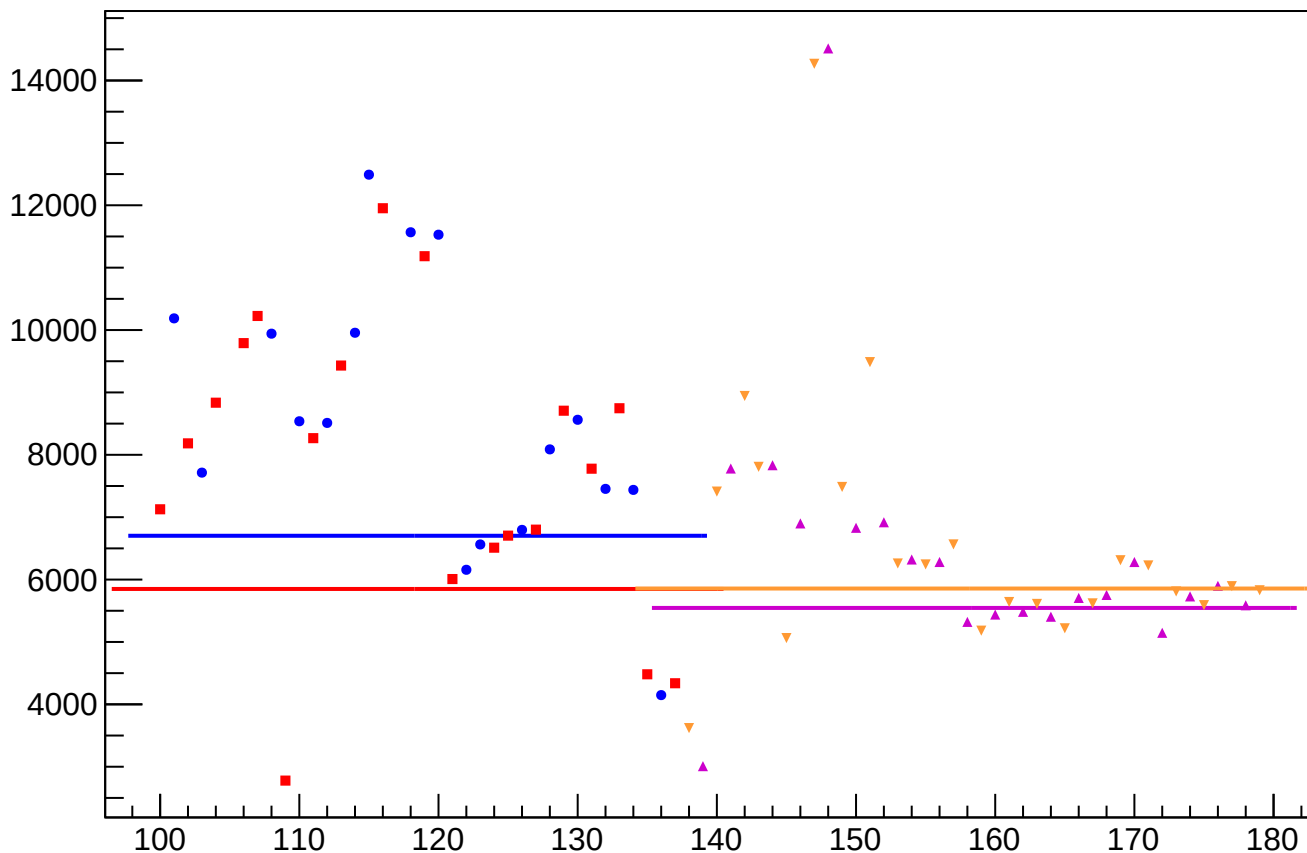
Left In: 0.415 ± 1.480 χ^2/NDF : 30.7/19

+ sign 1.004 ± 1.316 χ^2/NDF : 32.4/38

All: 0.866 ± 0.912 χ^2/NDF : 87.3/77

- sign 0.737 ± 1.266 χ^2/NDF : 54.9/38

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

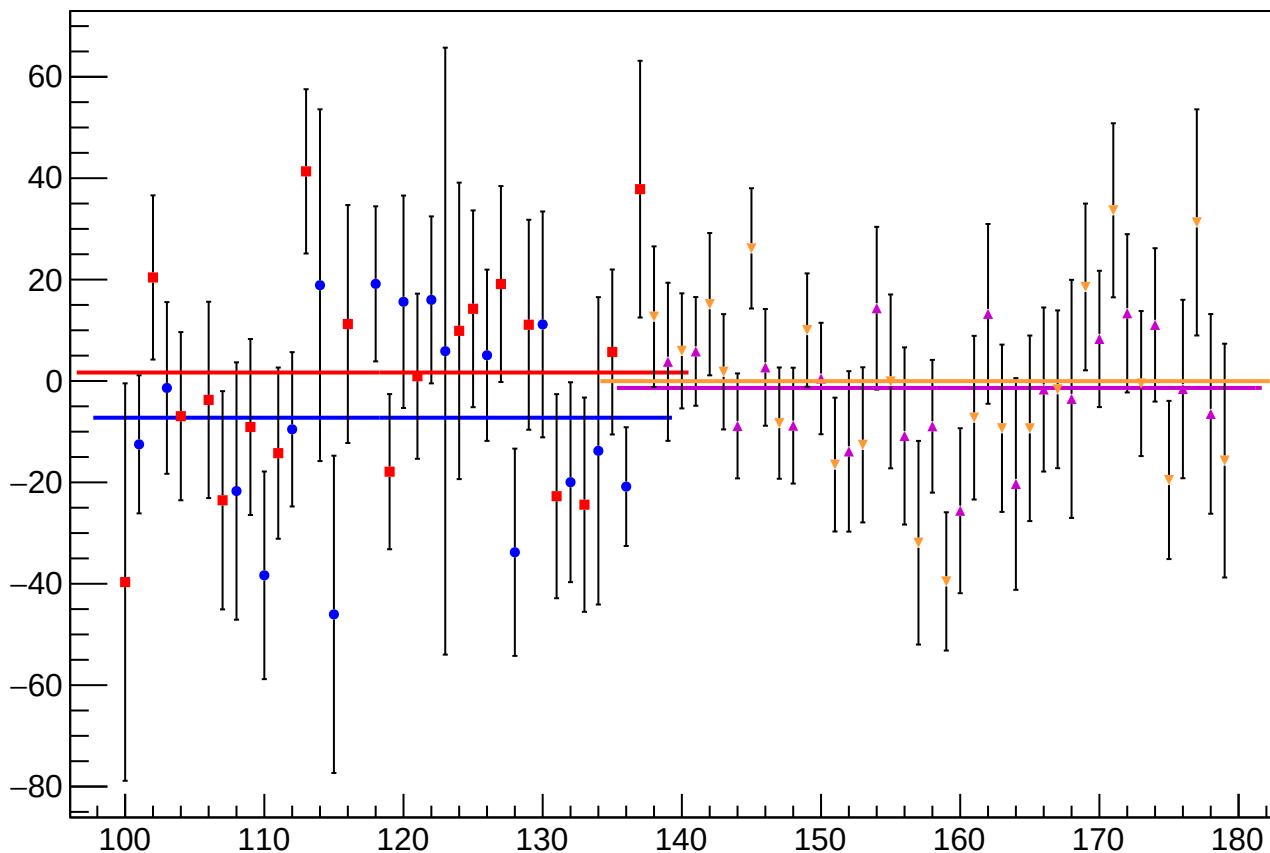
Left In: 5545.472+/-1.046 χ^2/NDF : 2156645.3/19

+ sign 6049.101+/-0.930 χ^2/NDF : 3204976.7/38

All: 5829.924+/-0.645 χ^2/NDF : 7769628.9/77

- sign 5627.134+/-0.895 χ^2/NDF : 4457796.3/38

diff_bpm11X_mean vs Slug



Right In: -7.245 $\pm$ 4.547 χ^2 /NDF: 15.9/16

Left Out: -0.032 $\pm$ 3.085 χ^2 /NDF: 31.6/21

Right Out: 1.671 $\pm$ 4.373 χ^2 /NDF: 19.9/18

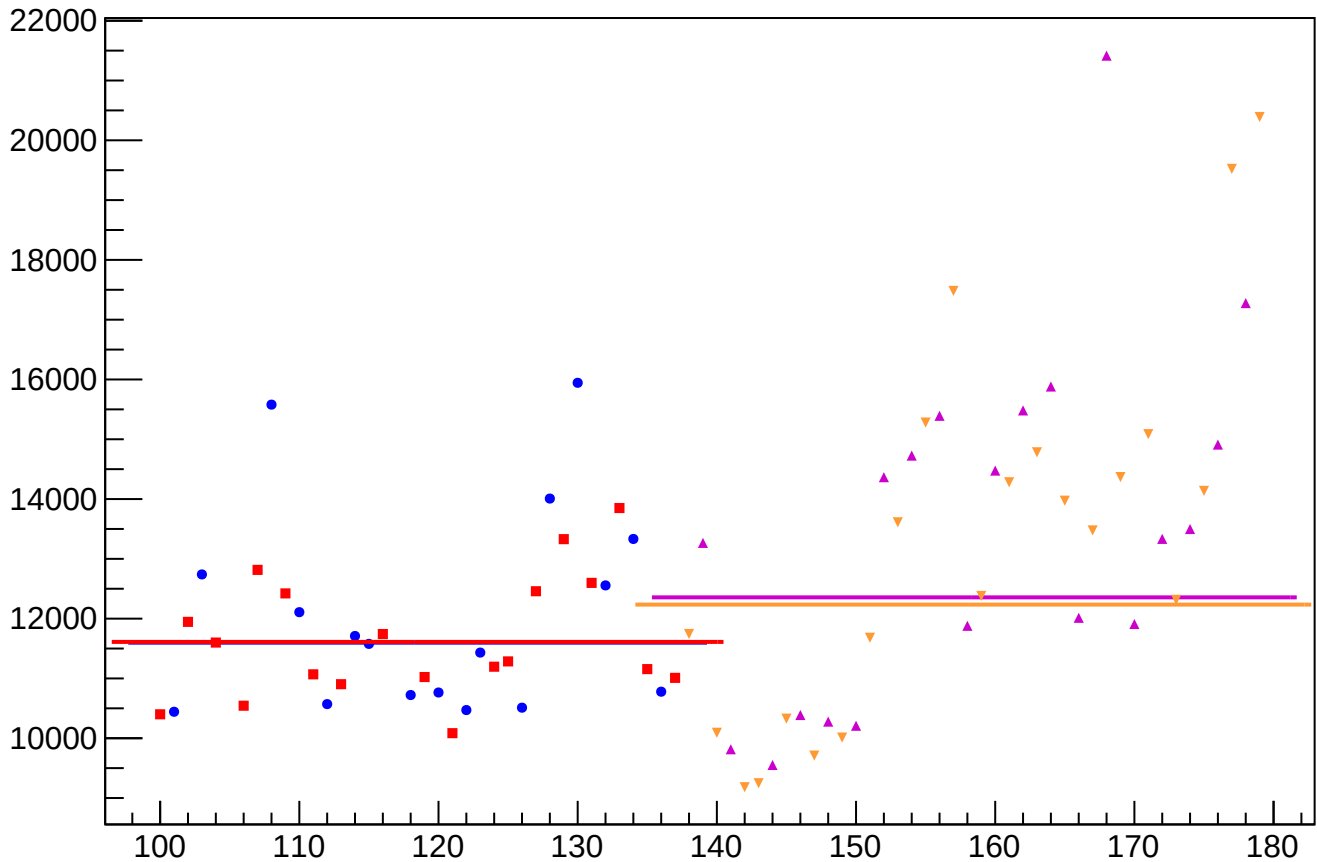
Left In: -1.374 $\pm$ 3.206 χ^2 /NDF: 9.8/19

+ sign -2.306 $\pm$ 2.553 χ^2 /NDF: 49.3/38

All: -1.321 $\pm$ 1.817 χ^2 /NDF: 79.5/77

- sign -0.310 $\pm$ 2.585 χ^2 /NDF: 29.9/38

diff_bpm11X_rms vs Slug



Right In: 11598.751 $\pm$ 3.215 χ^2 /NDF: 235423.8/16

Left Out: 12234.798 $\pm$ 2.182 χ^2 /NDF:1455568.6/21

Right Out: 11610.941 $\pm$ 3.092 χ^2 /NDF: 94447.0/18

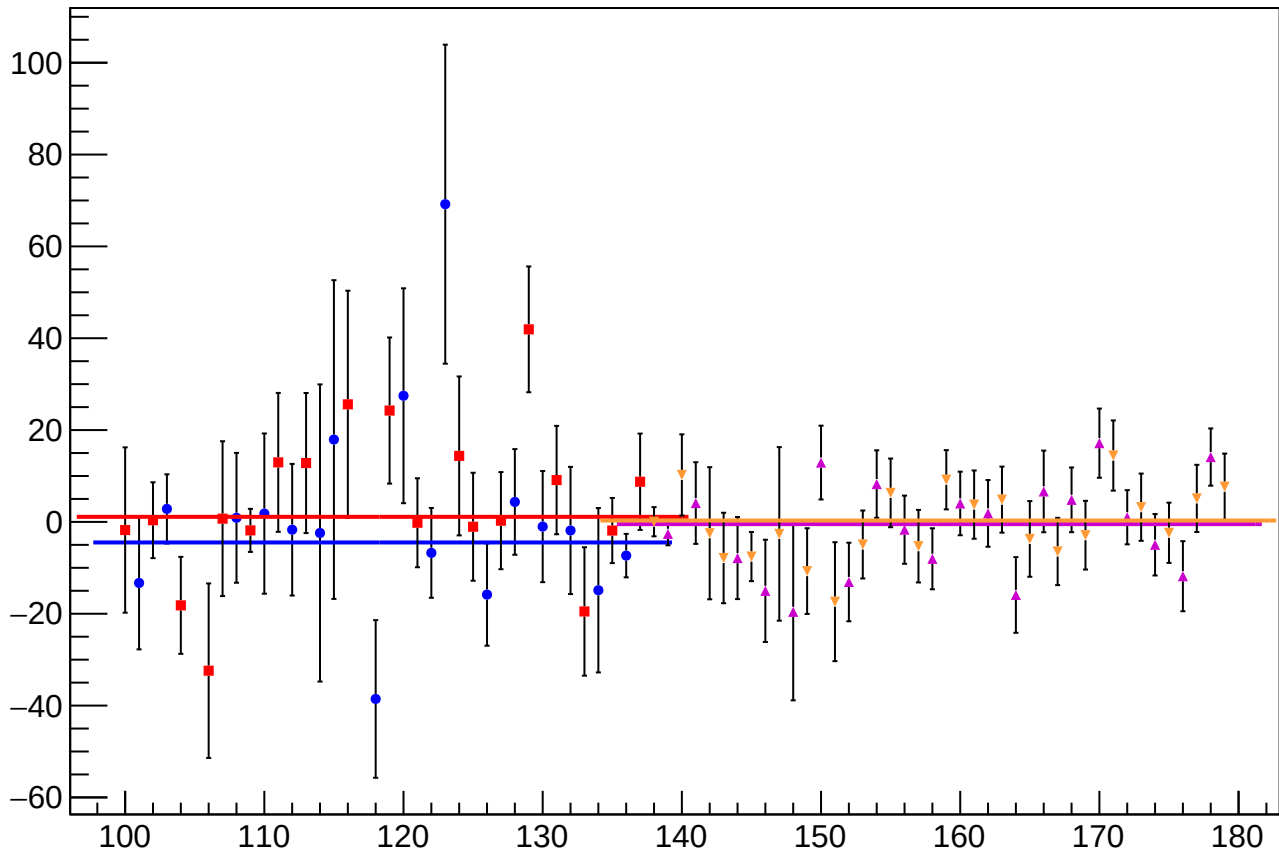
Left In: 12355.805 $\pm$ 2.267 χ^2 /NDF:1246026.1/19

+ sign 12034.274 $\pm$ 1.805 χ^2 /NDF: 1717789.9/38

All: 12064.478 $\pm$ 1.285 χ^2 /NDF: 3096573.8/7

- sign 12095.451 $\pm$ 1.828 χ^2 /NDF: 1378217.0/38

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

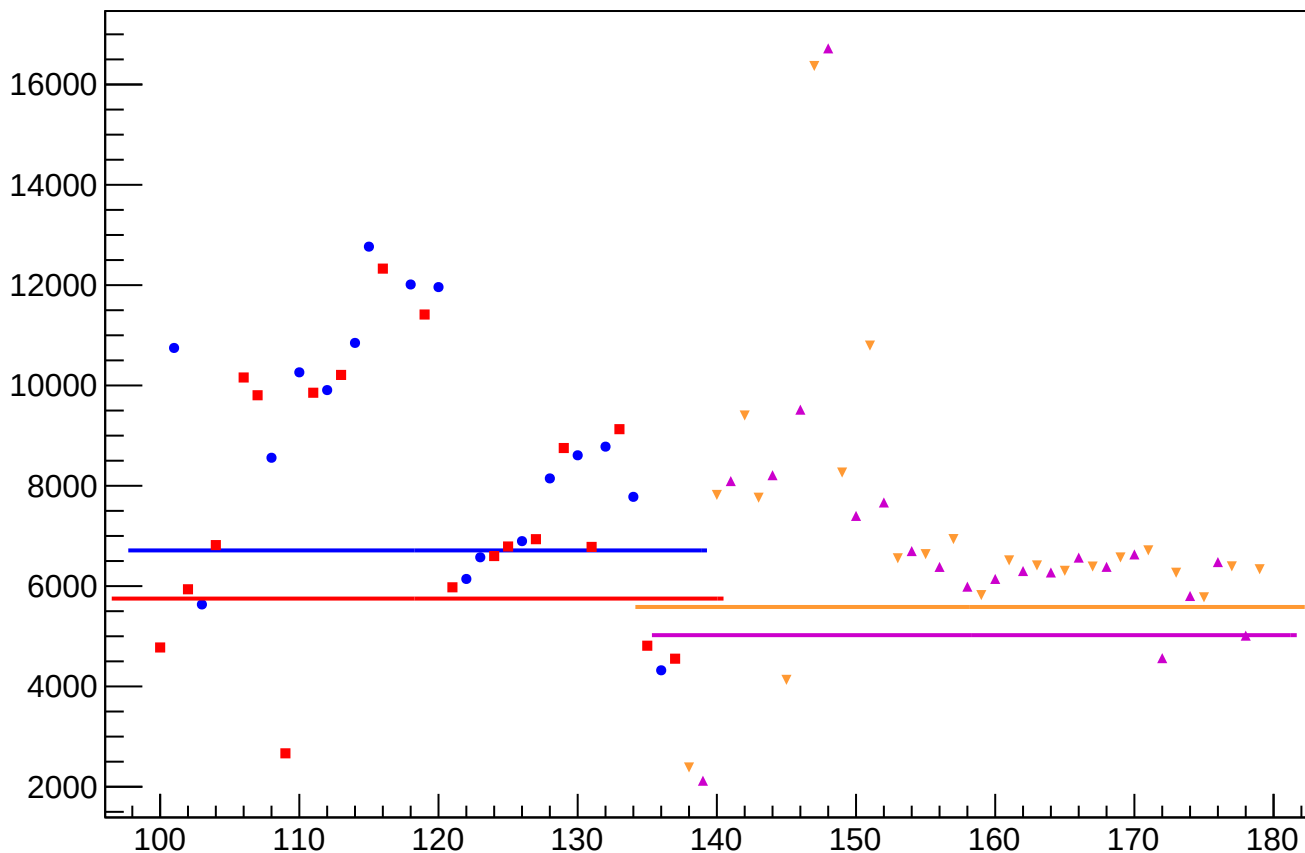
Left In: -0.483 ± 1.437 χ^2/NDF : 31.0/19

+ sign -0.774 ± 1.321 χ^2/NDF : 35.2/38

All: -0.400 ± 0.903 χ^2/NDF : 90.7/77

- sign -0.071 ± 1.237 χ^2/NDF : 55.3/38

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5584.170+/-1.061 χ^2/NDF : 4057397.4/21

Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

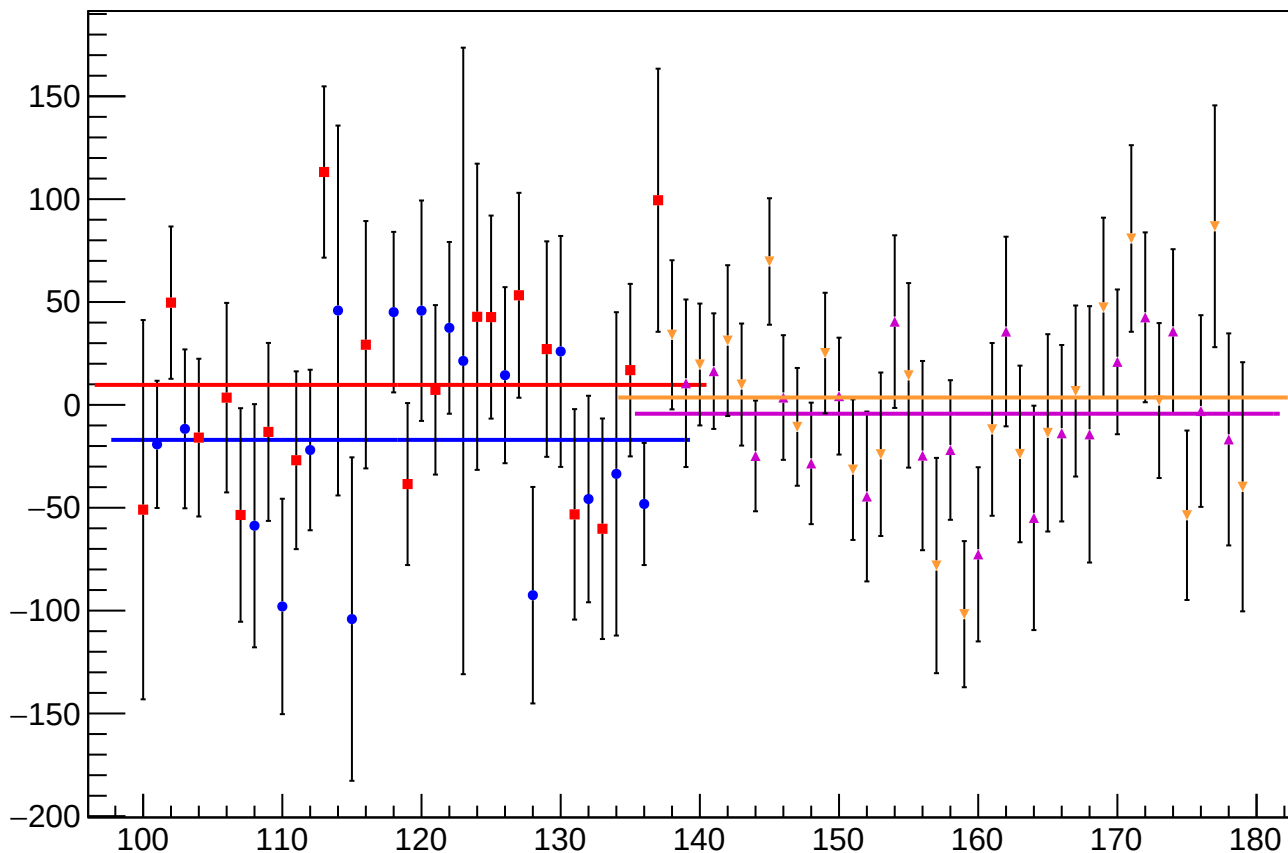
Left In: 5022.238+/-1.016 χ^2/NDF : 5348816.7/19

+ sign 5838.406+/-0.934 χ^2/NDF : 5758799.4/38

All: 5504.146+/-0.638 χ^2/NDF : 13646562.9/7

- sign 5211.242+/-0.874 χ^2/NDF : 7647487.7/38

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

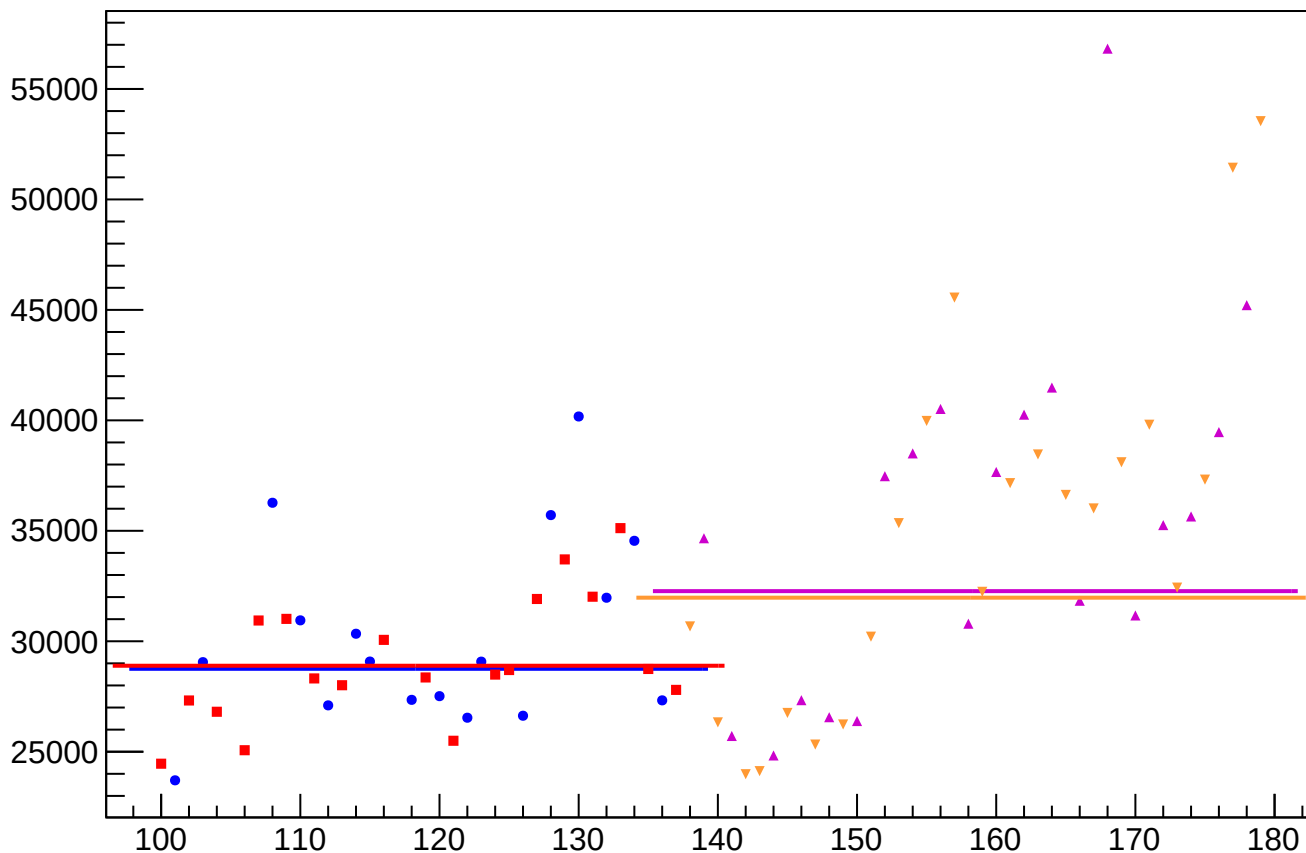
Left In: -4.299 ± 8.378 χ^2/NDF : 11.8/19

+ sign -3.372 ± 6.564 χ^2/NDF : 46.1/38

All: -1.254 ± 4.668 χ^2/NDF : 78.2/77

- sign 0.912 ± 6.640 χ^2/NDF : 31.9/38

diff_bpm12X_rms vs Slug



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 31973.103+/-5.705 χ^2/NDF : 1490796.0/21

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

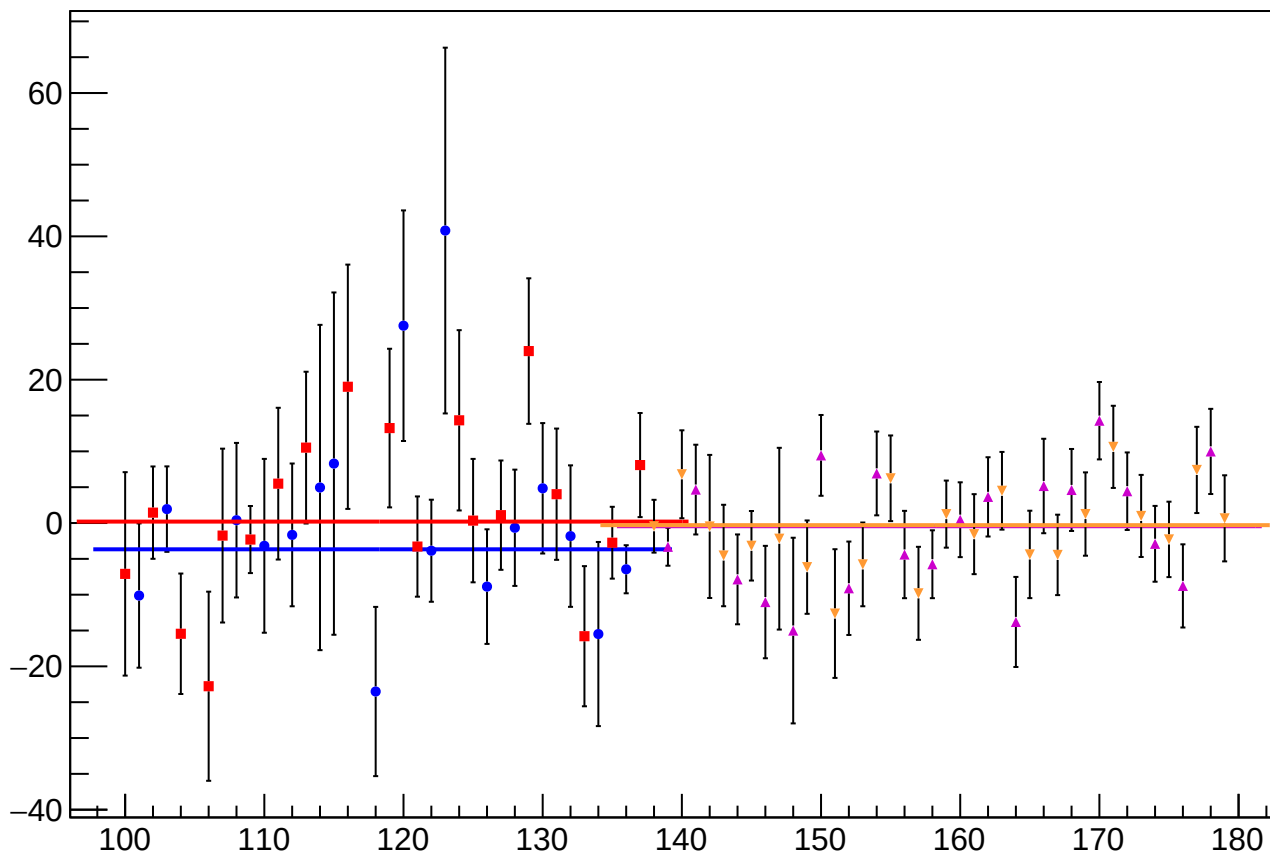
Left In: 32269.076+/-5.924 χ^2/NDF : 1287262.7/19

+ sign 30884.396+/-4.641 χ^2/NDF : 1847690.6/38

All: 30948.269+/-3.301 χ^2/NDF : 3367381.3/7

- sign 31013.641+/-4.695 χ^2/NDF : 1519307.5/38

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

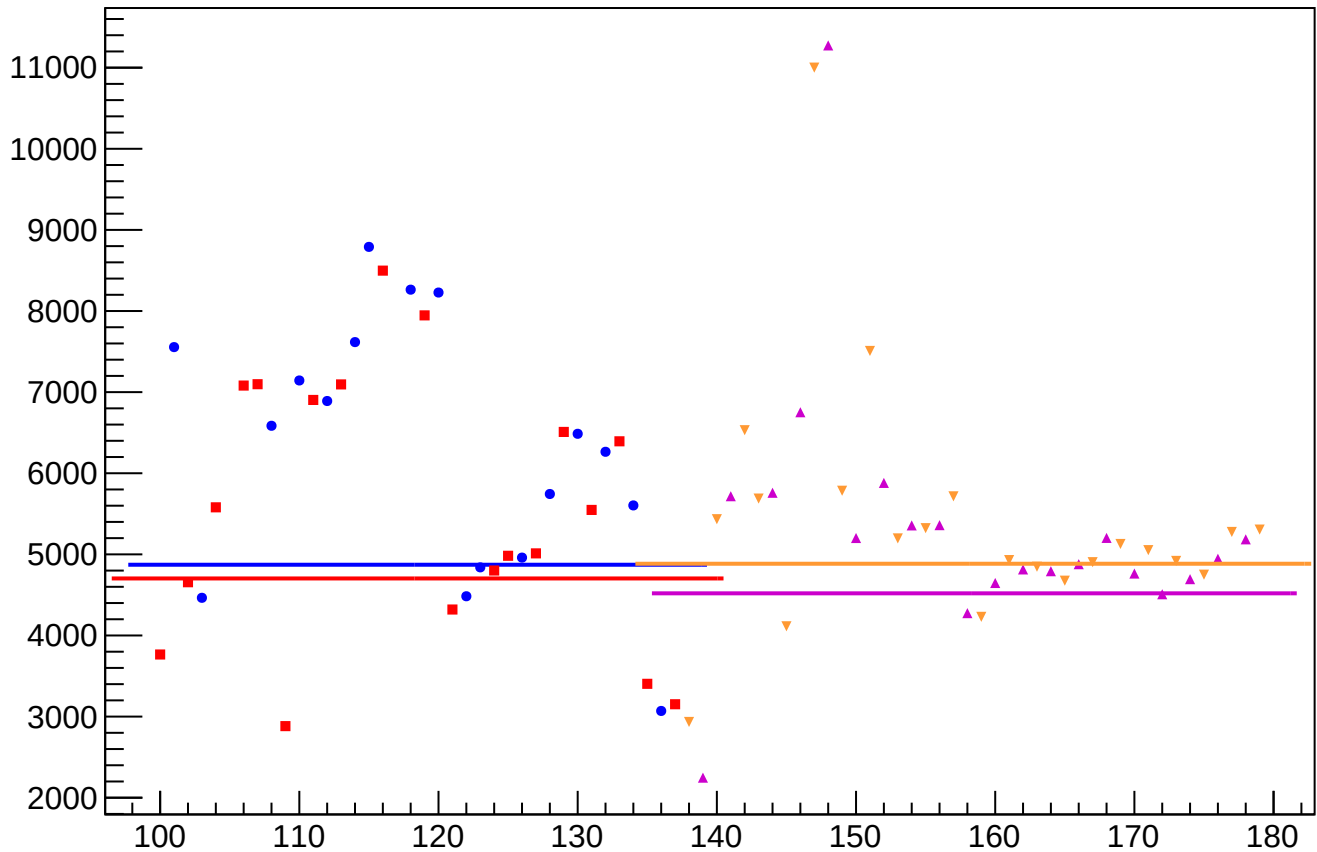
Left In: -0.448 ± 1.211 χ^2/NDF : 34.6/19

+ sign -1.229 ± 1.056 χ^2/NDF : 33.0/38

All: -0.728 ± 0.734 χ^2/NDF : 90.5/77

- sign -0.260 ± 1.020 χ^2/NDF : 57.0/38

diff_bpm12Y_rms vs Slug



Right In: 4872.105 ± 1.421 $\chi^2/\text{NDF}: 1405253.2/16$

Left Out: 4884.350 ± 0.878 $\chi^2/\text{NDF}: 1497321.8/21$

Right Out: 4702.994 ± 1.338 $\chi^2/\text{NDF}: 1312720.8/18$

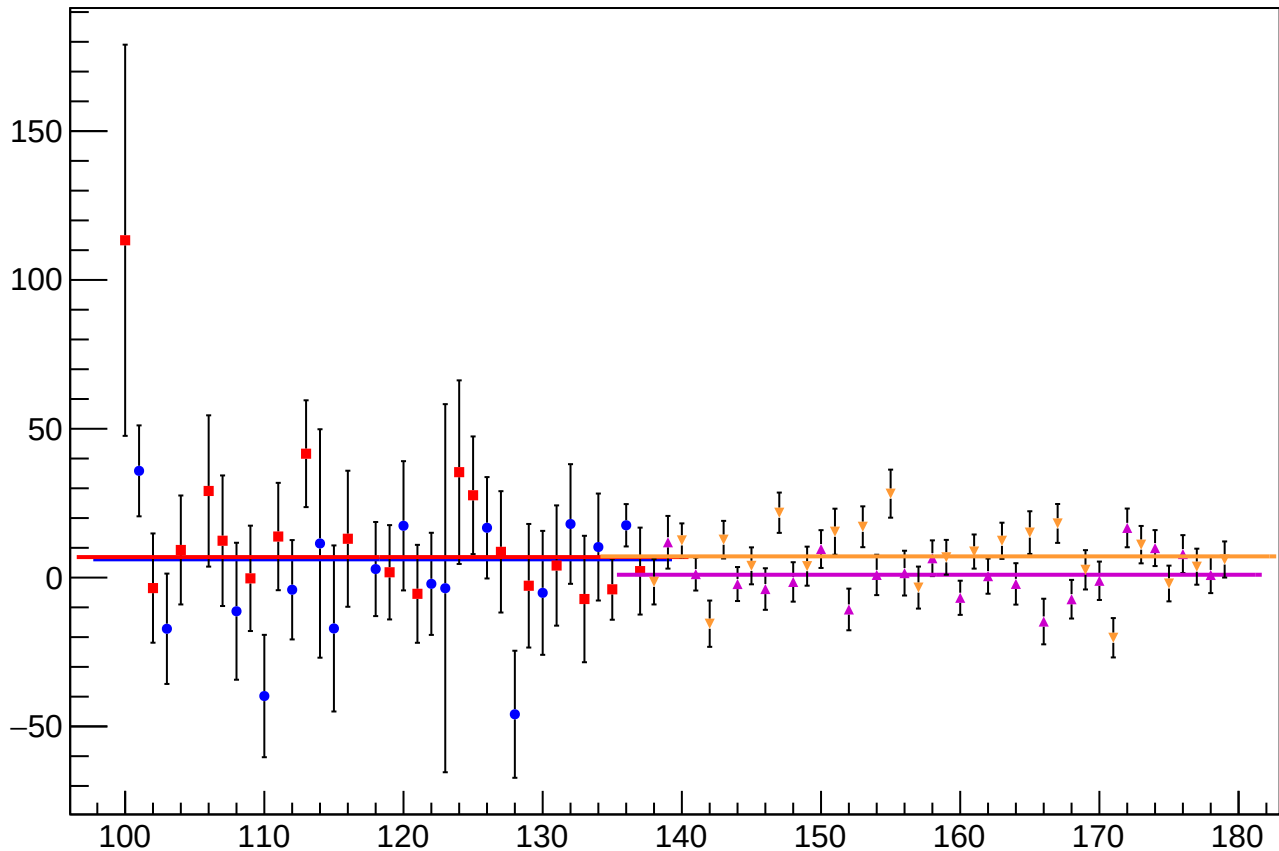
Left In: 4519.631 ± 0.856 $\chi^2/\text{NDF}: 2620078.7/19$

+ sign 4880.966 ± 0.747 $\chi^2/\text{NDF}: 2902628.7/38$

All: 4721.489 ± 0.519 $\chi^2/\text{NDF}: 6936789.4/77$

- sign 4572.873 ± 0.721 $\chi^2/\text{NDF}: 3946120.5/38$

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 7.127 ± 1.391 χ^2/NDF : 54.4/21

Right Out: 6.892 ± 4.224 χ^2/NDF : 12.5/18

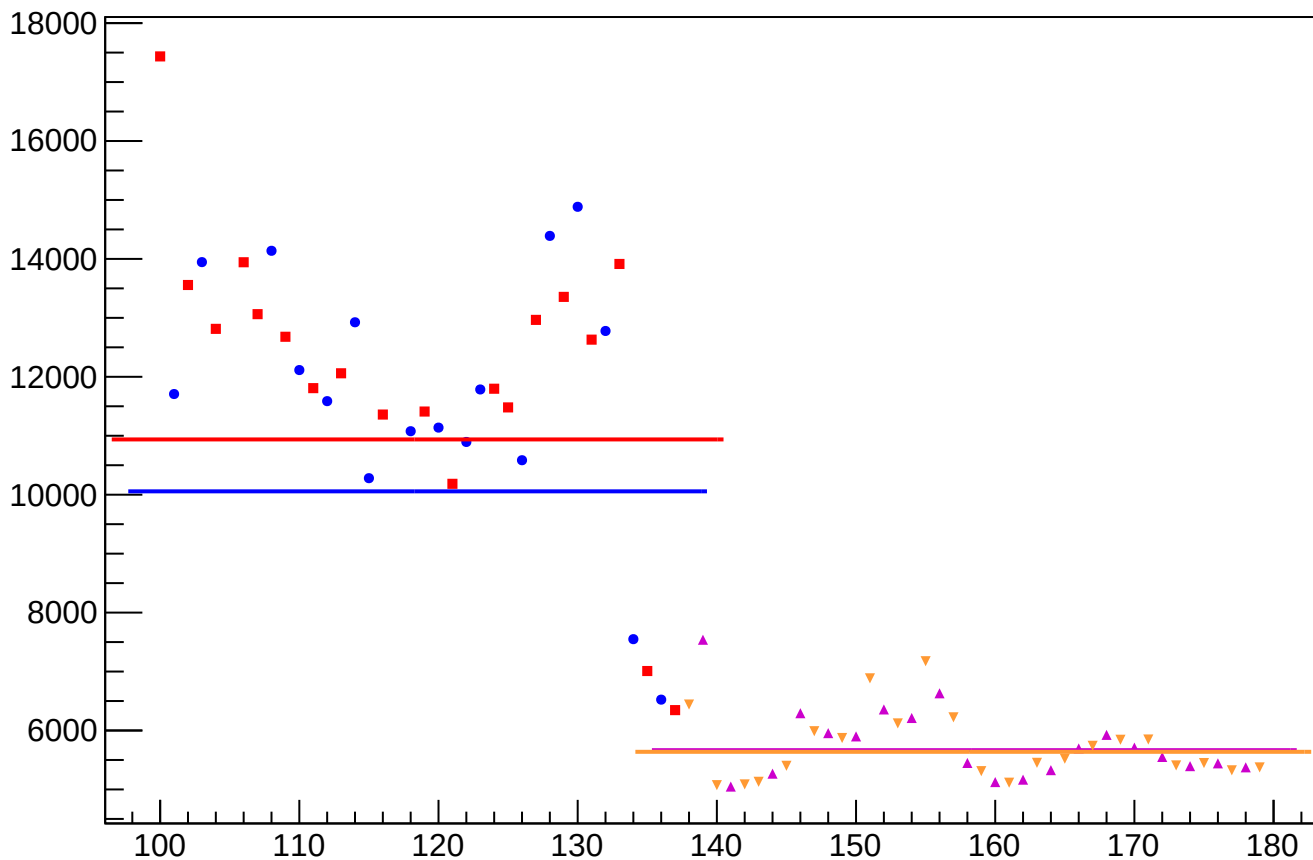
Left In: 0.954 ± 1.445 χ^2/NDF : 25.1/19

+ sign 7.024 ± 1.317 χ^2/NDF : 76.7/38

All: 4.402 ± 0.948 χ^2/NDF : 124.2/77

- sign 1.575 ± 1.367 χ^2/NDF : 39.3/38

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

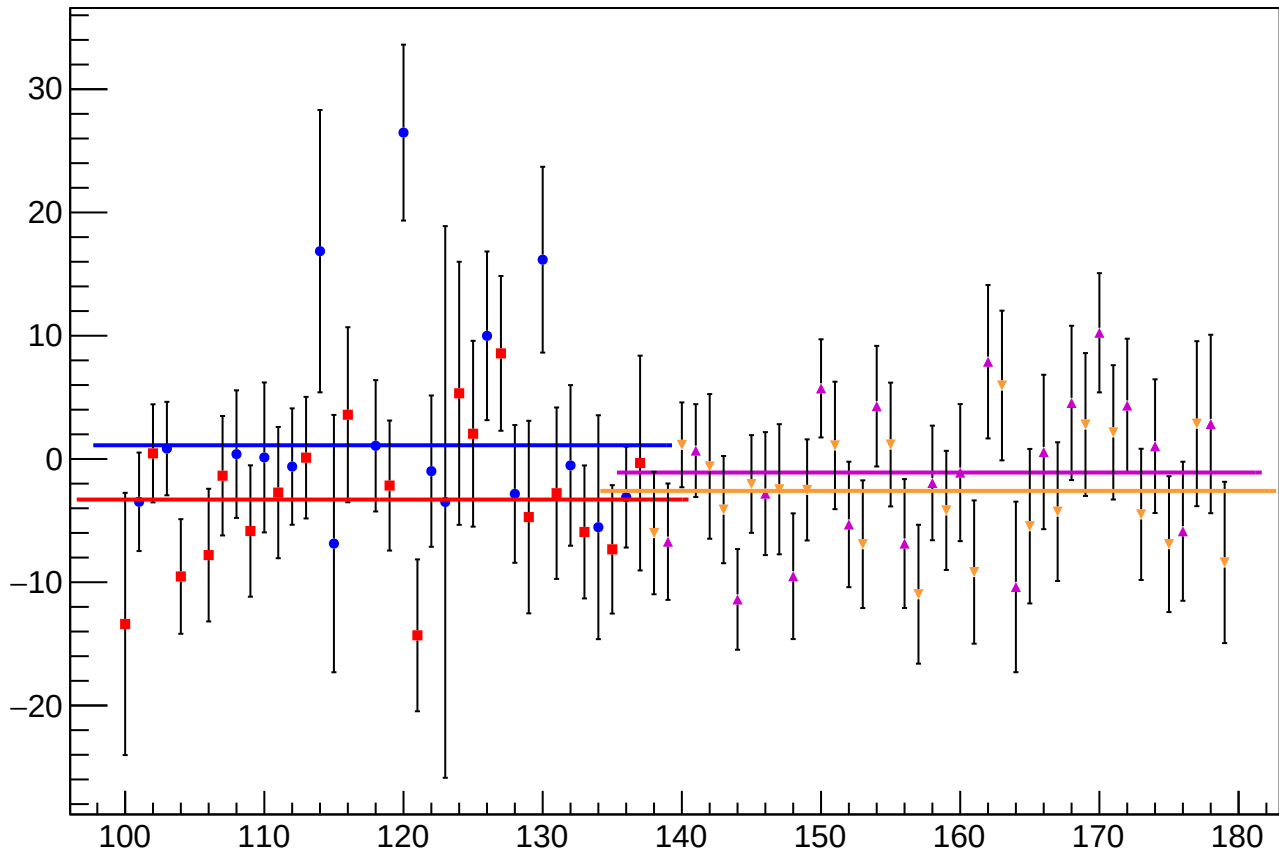
Left In: 5666.520 $\pm$ 1.022 χ^2 /NDF: 266814.7/19

+ sign 6098.531 $\pm$ 0.931 χ^2 /NDF: 3371493.2/38

All: 6156.227 $\pm$ 0.671 χ^2 /NDF: 7196993.2/77

- sign 6218.418 $\pm$ 0.967 χ^2 /NDF: 3817519.4/38

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

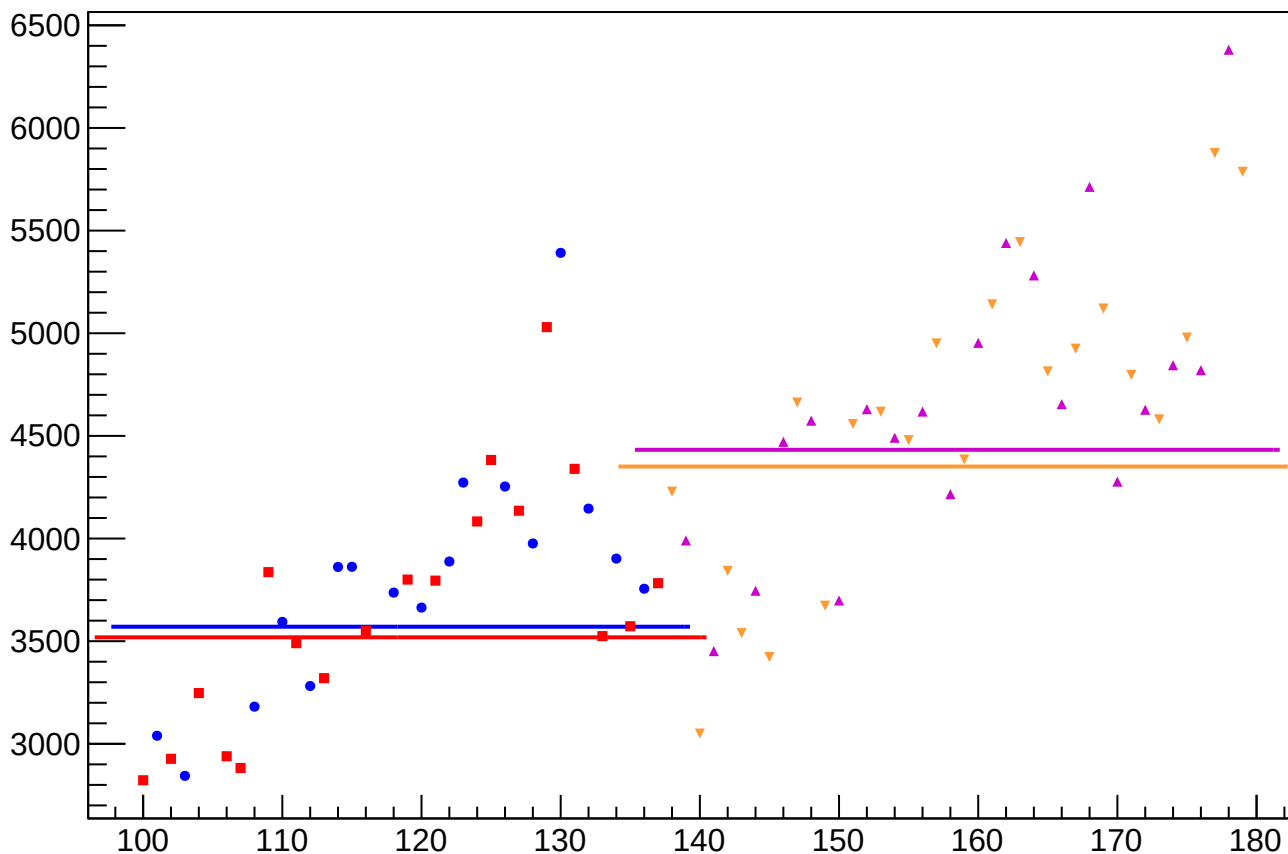
Left In: -1.099 ± 1.138 χ^2/NDF : 29.3/19

+ sign -1.199 ± 0.859 χ^2/NDF : 42.3/38

All: -1.608 ± 0.610 χ^2/NDF : 88.8/77

- sign -2.023 ± 0.866 χ^2/NDF : 46.0/38

diff_bpm16Y_rms vs Slug



Right In: 3570.481 $\pm$ 0.992 χ^2 /NDF: 309699.2/16

Left Out: 4350.650 $\pm$ 0.769 χ^2 /NDF: 987706.6/21

Right Out: 3518.886 $\pm$ 0.943 χ^2 /NDF: 293392.5/18

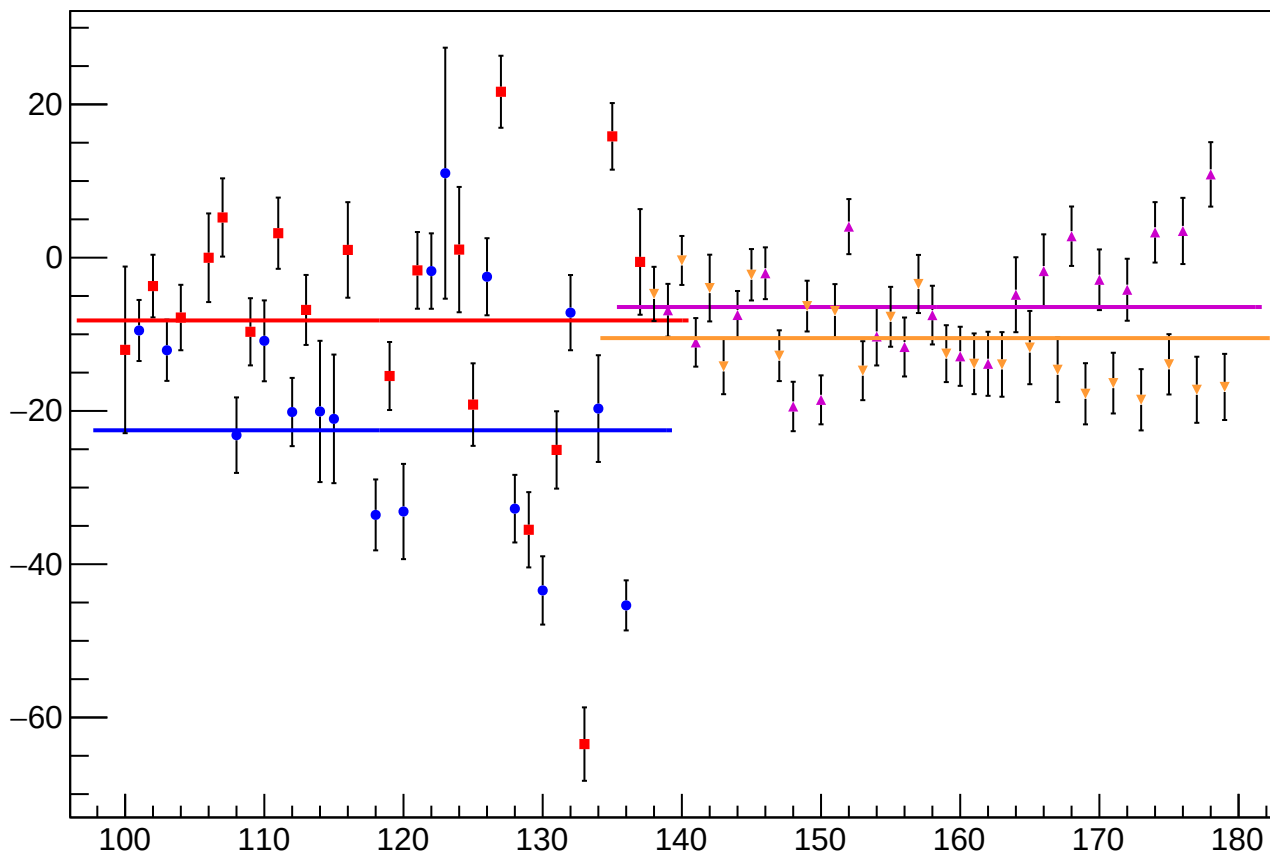
Left In: 4432.291 $\pm$ 0.805 χ^2 /NDF: 646219.4/19

+ sign 4057.790 $\pm$ 0.608 χ^2 /NDF: 1683785.5/38

All: 4052.560 $\pm$ 0.431 χ^2 /NDF: 3166262.1/77

- sign 4047.252 $\pm$ 0.612 χ^2 /NDF: 1482327.4/38

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

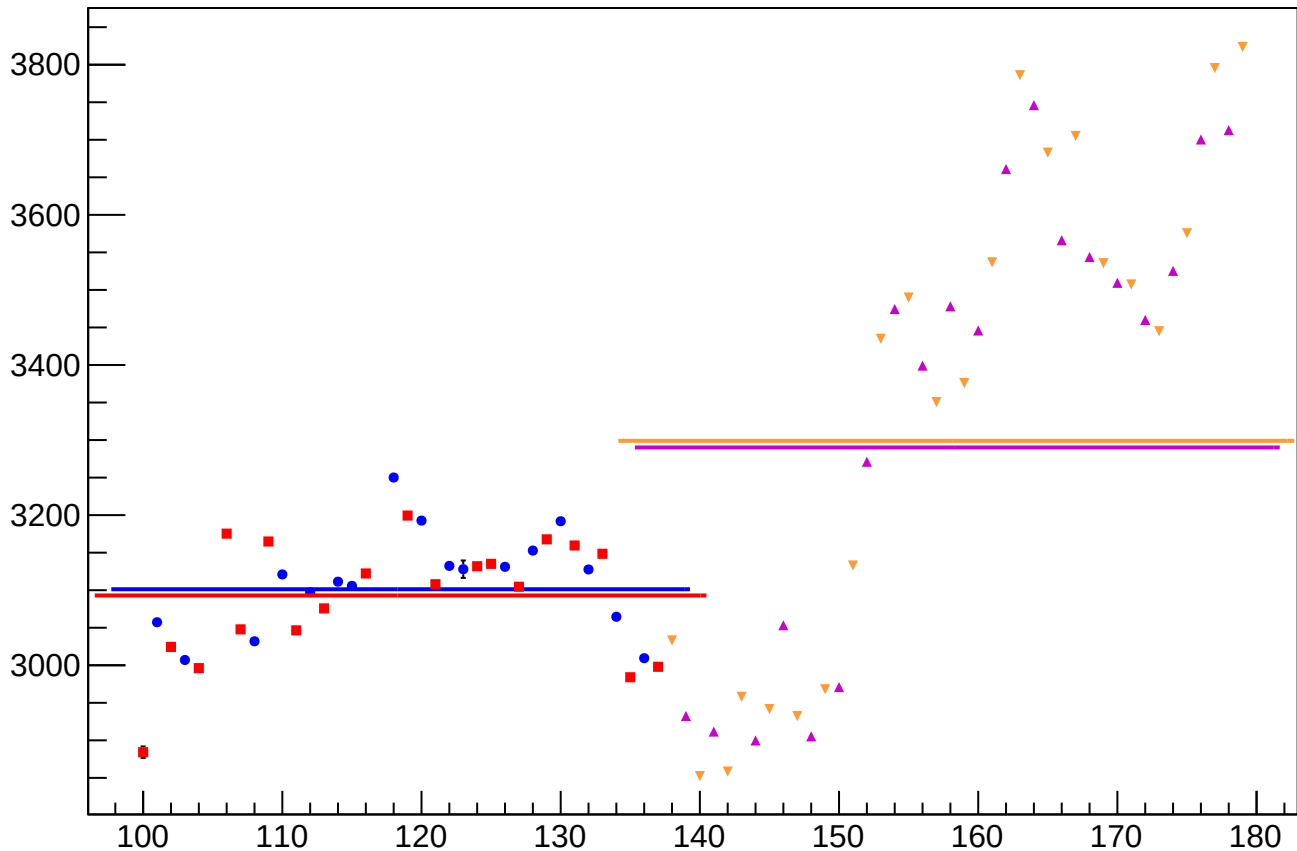
Left In: -6.440 ± 0.837 χ^2/NDF : 88.1/19

+ sign -14.274 ± 0.673 χ^2/NDF : 272.4/38

All: -10.688 ± 0.478 χ^2/NDF : 695.1/77

- sign -7.042 ± 0.678 χ^2/NDF : 365.5/38

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

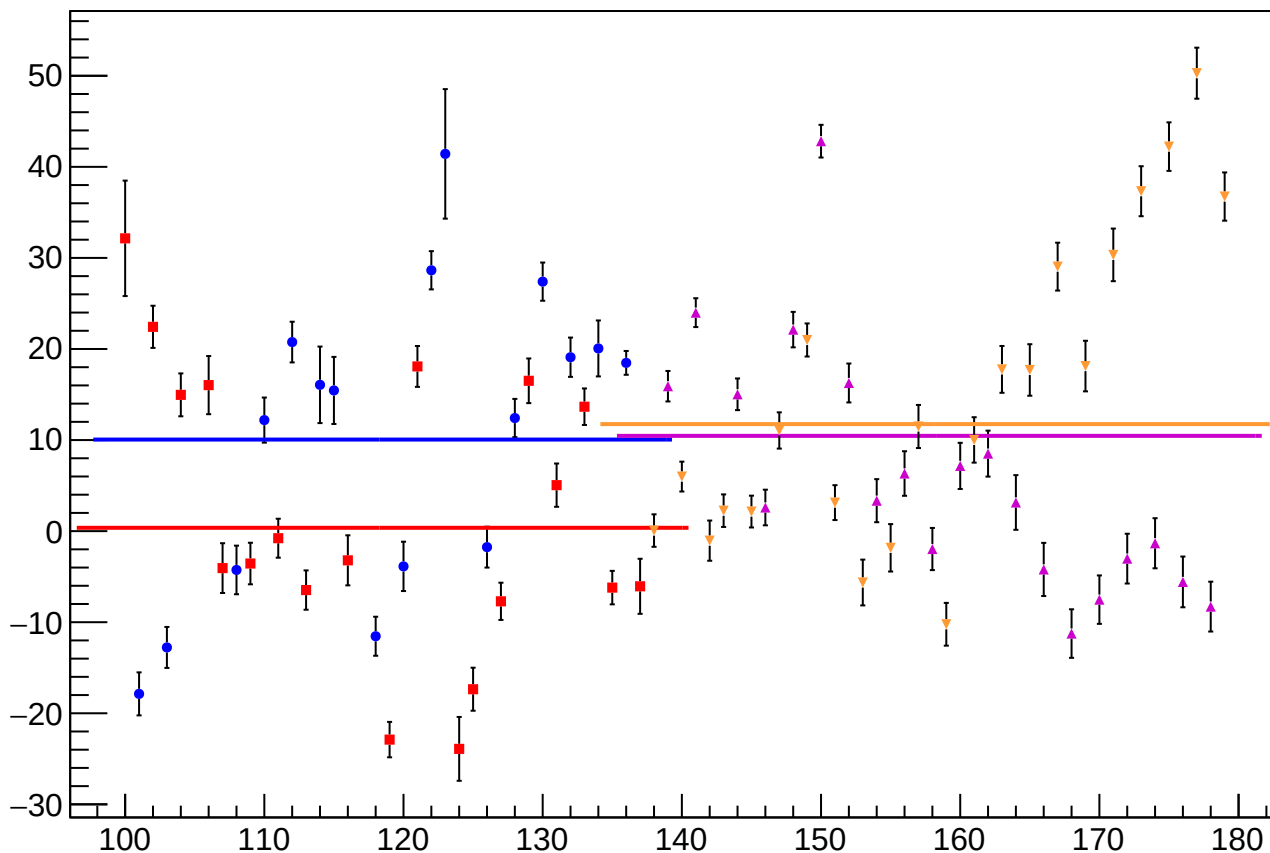
Left In: 3290.140+/-0.592 χ^2/NDF : 257398.7/19

+ sign 3236.899+/-0.476 χ^2/NDF : 359751.7/38

All: 3229.699+/-0.338 χ^2/NDF : 663495.7/77

- sign 3222.380+/-0.480 χ^2/NDF : 303282.1/38

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 11.751 $\pm$ 0.477 χ^2 /NDF: 952.4/21

Right Out: 0.367 $\pm$ 0.547 χ^2 /NDF: 629.8/18

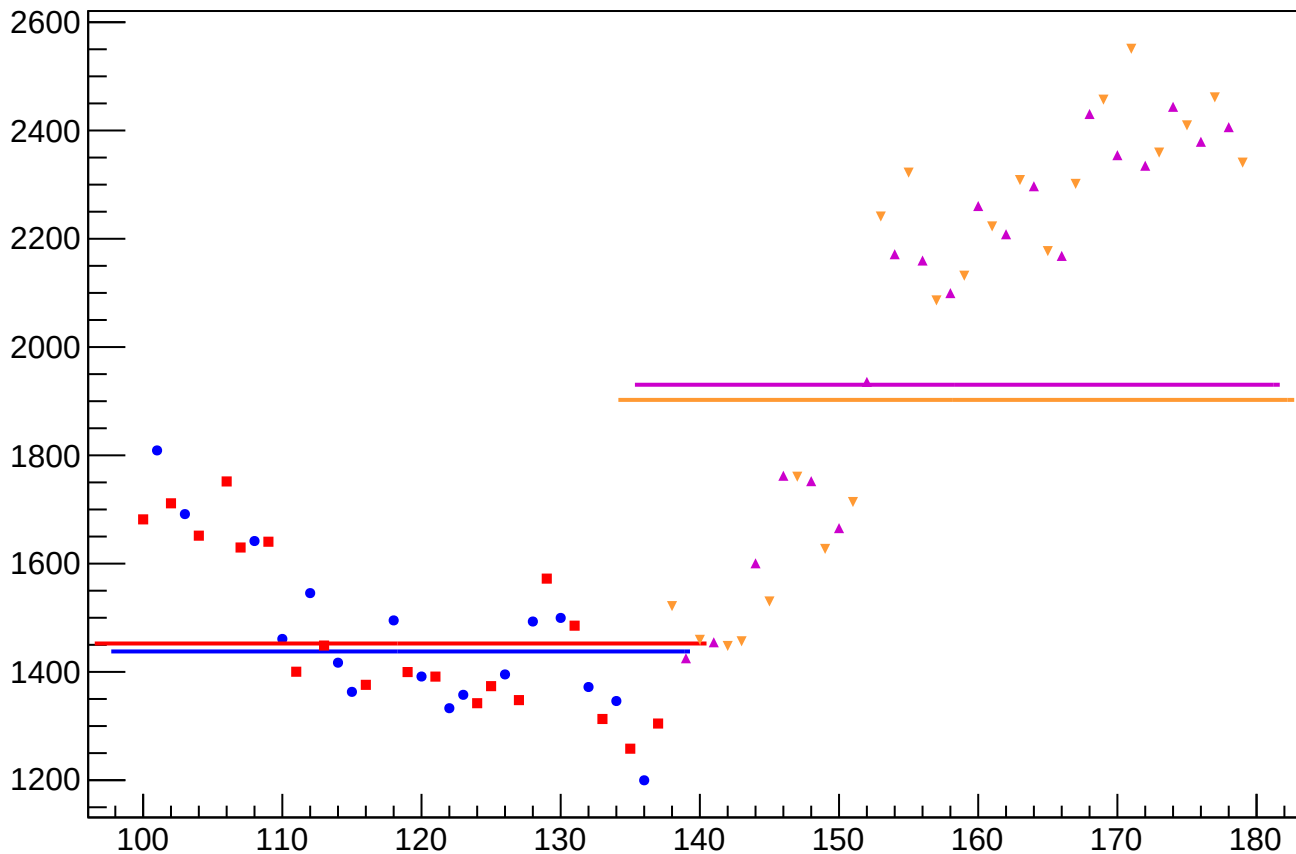
Left In: 10.462 $\pm$ 0.498 χ^2 /NDF: 783.8/19

+ sign 11.041 $\pm$ 0.363 χ^2 /NDF: 1649.9/38

All: 8.497 $\pm$ 0.259 χ^2 /NDF: 3349.0/77

- sign 5.882 $\pm$ 0.368 χ^2 /NDF: 1599.7/38

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

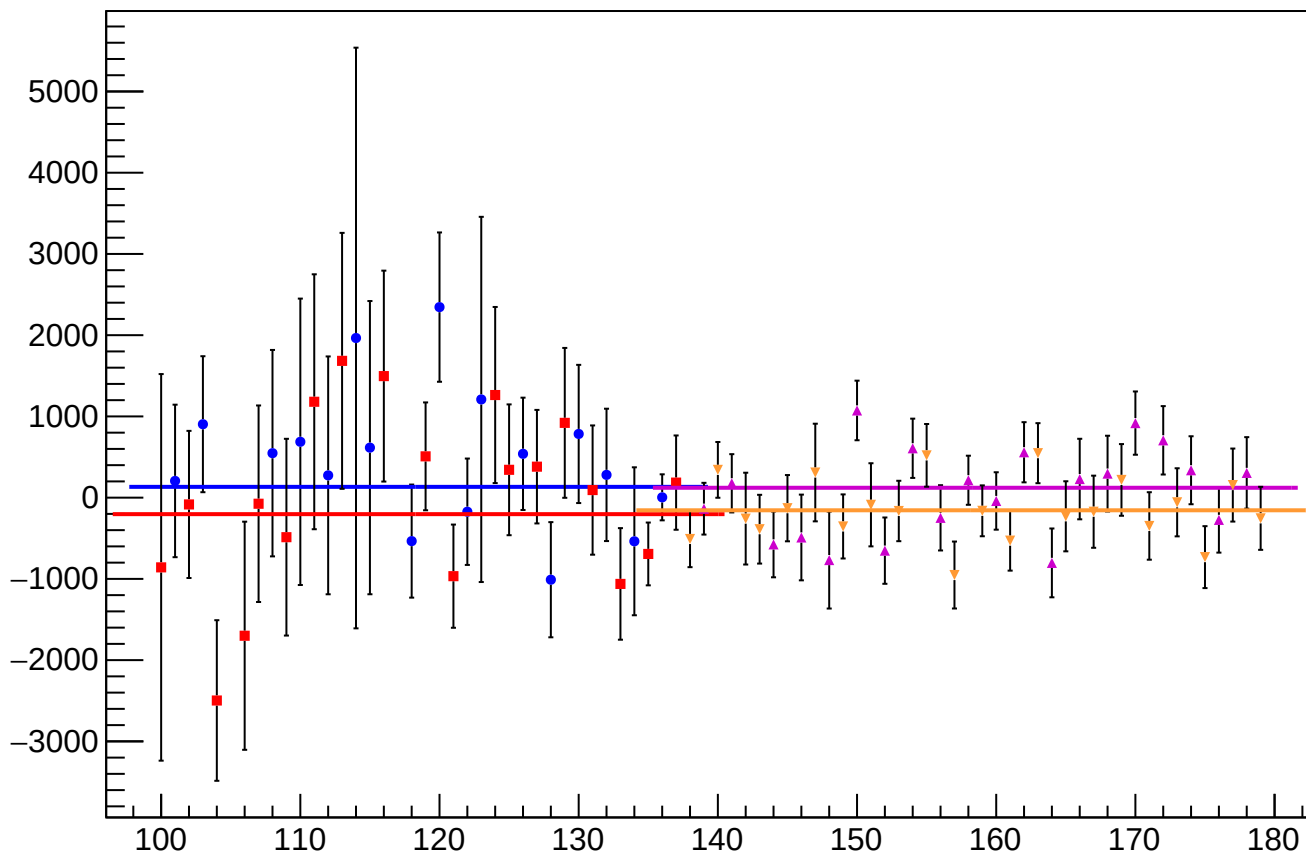
Left In: 1930.389 $\pm$ 0.352 χ^2 /NDF:1006870.9/19

+ sign 1707.875 $\pm$ 0.257 χ^2 /NDF: 2291905.9/38

All: 1710.687 $\pm$ 0.183 χ^2 /NDF: 4271672.1/77

- sign 1713.578 $\pm$ 0.261 χ^2 /NDF: 1979523.3/38

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

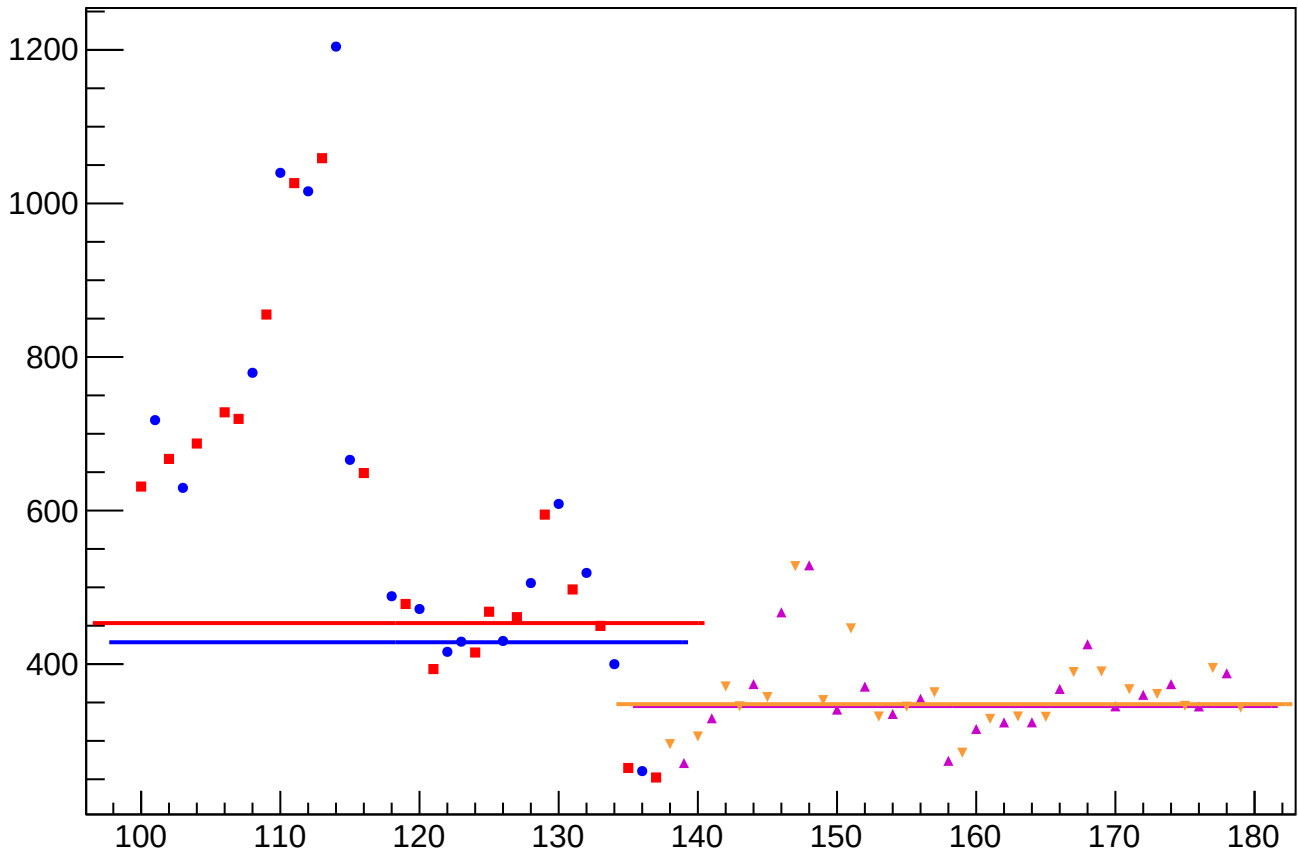
Left In: 121.672 ± 88.720 χ^2/NDF : 34.3/19

+ sign -101.928 ± 77.720 χ^2/NDF : 34.6/38

All: -22.953 ± 55.726 χ^2/NDF : 95.0/77

- sign 60.606 ± 79.944 χ^2/NDF : 58.3/38

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

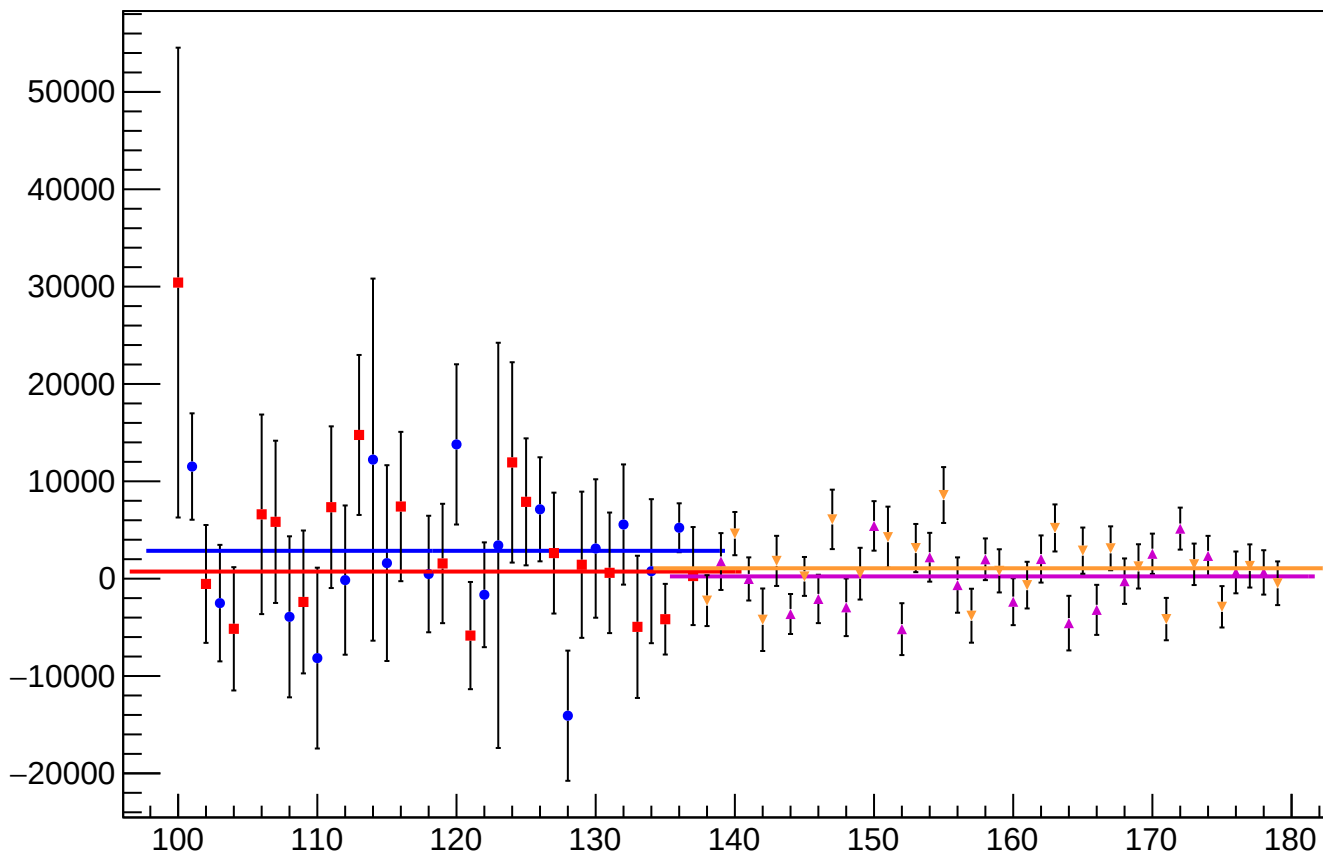
Left In: 345.374+/-0.063 χ^2/NDF : 660468.9/19

+ sign 362.817+/-0.055 χ^2/NDF : 2835846.3/38

All: 364.216+/-0.039 χ^2/NDF : 6085413.9/77

- sign 365.695+/-0.057 χ^2/NDF : 3248235.3/38

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

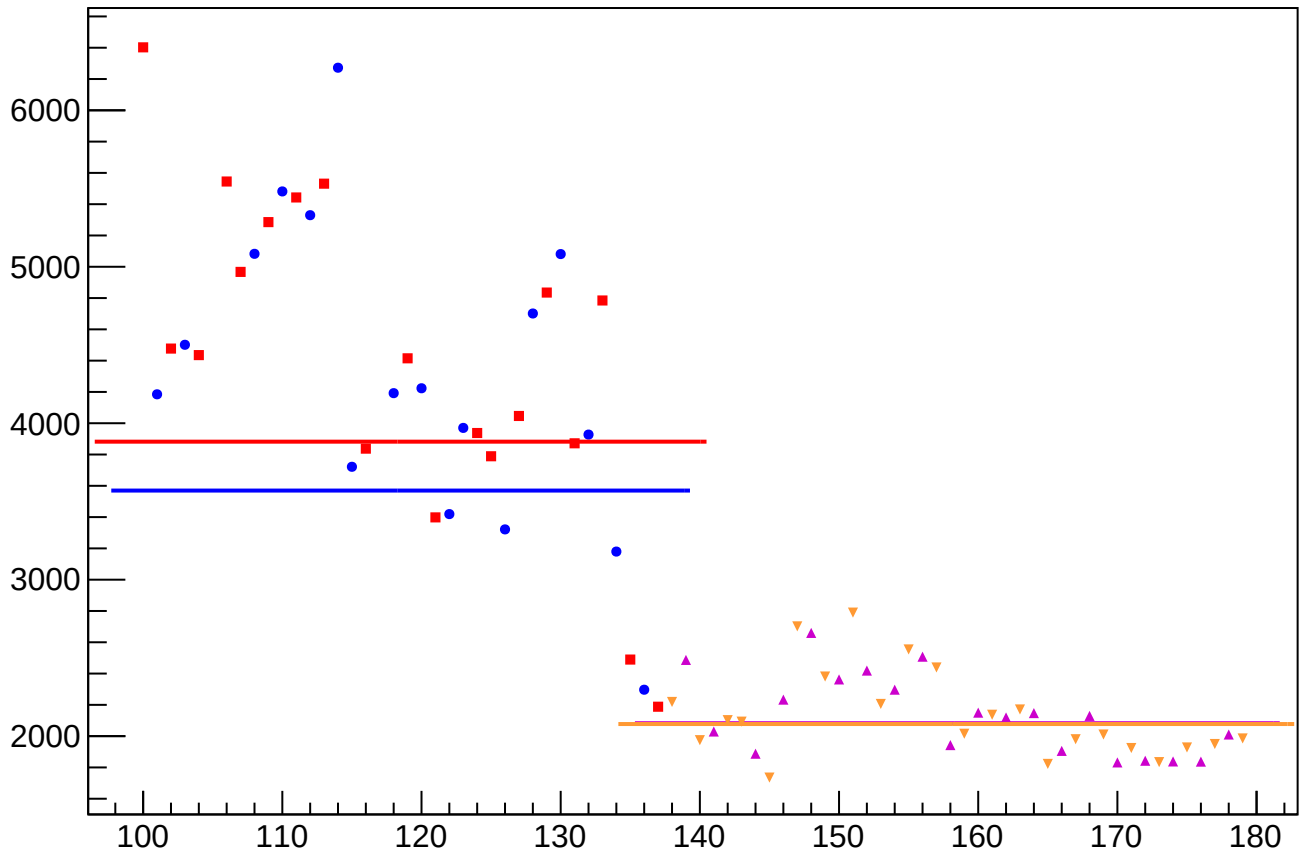
Left In: 232.075 $\pm$ 532.298 χ^2 /NDF: 29.5/19

+ sign 1268.100 $\pm$ 484.446 χ^2 /NDF: 54.3/38

All: 795.049 $\pm$ 348.593 χ^2 /NDF: 99.9/77

- sign 287.114 $\pm$ 501.990 χ^2 /NDF: 43.6/38

asym_sam2_rms vs Slug



Right In: 3569.631 ± 1.024 $\chi^2/\text{NDF}: 1087935.4/16$

Left Out: 2077.399 ± 0.364 $\chi^2/\text{NDF}: 466670.9/21$

Right Out: 3882.169 ± 1.067 $\chi^2/\text{NDF}: 983087.5/18$

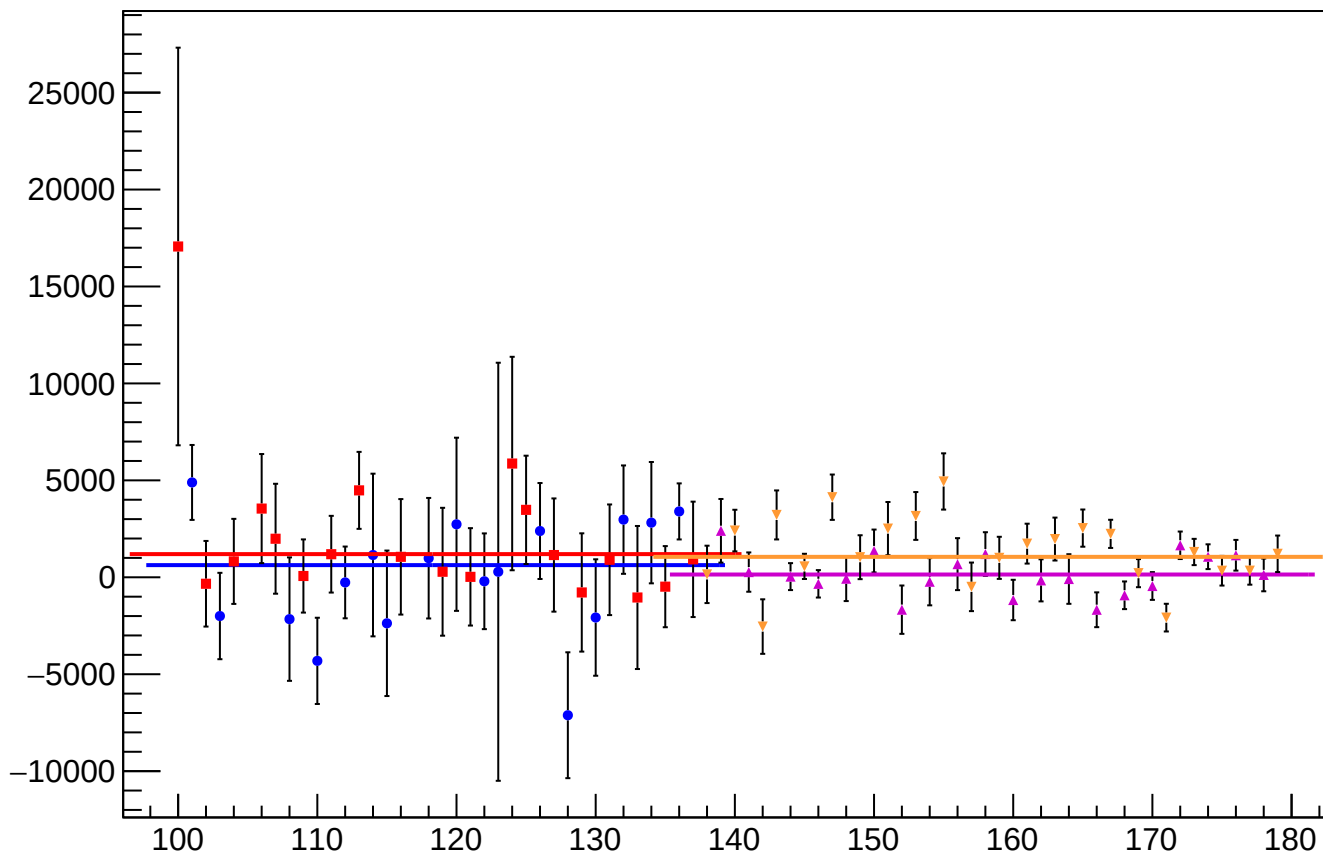
Left In: 2082.913 ± 0.376 $\chi^2/\text{NDF}: 388796.6/19$

+ sign 2244.455 ± 0.343 $\chi^2/\text{NDF}: 3441175.4/38$

All: 2262.545 ± 0.246 $\chi^2/\text{NDF}: 7346914.0/77$

- sign 2281.970 ± 0.355 $\chi^2/\text{NDF}: 3899955.1/38$

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

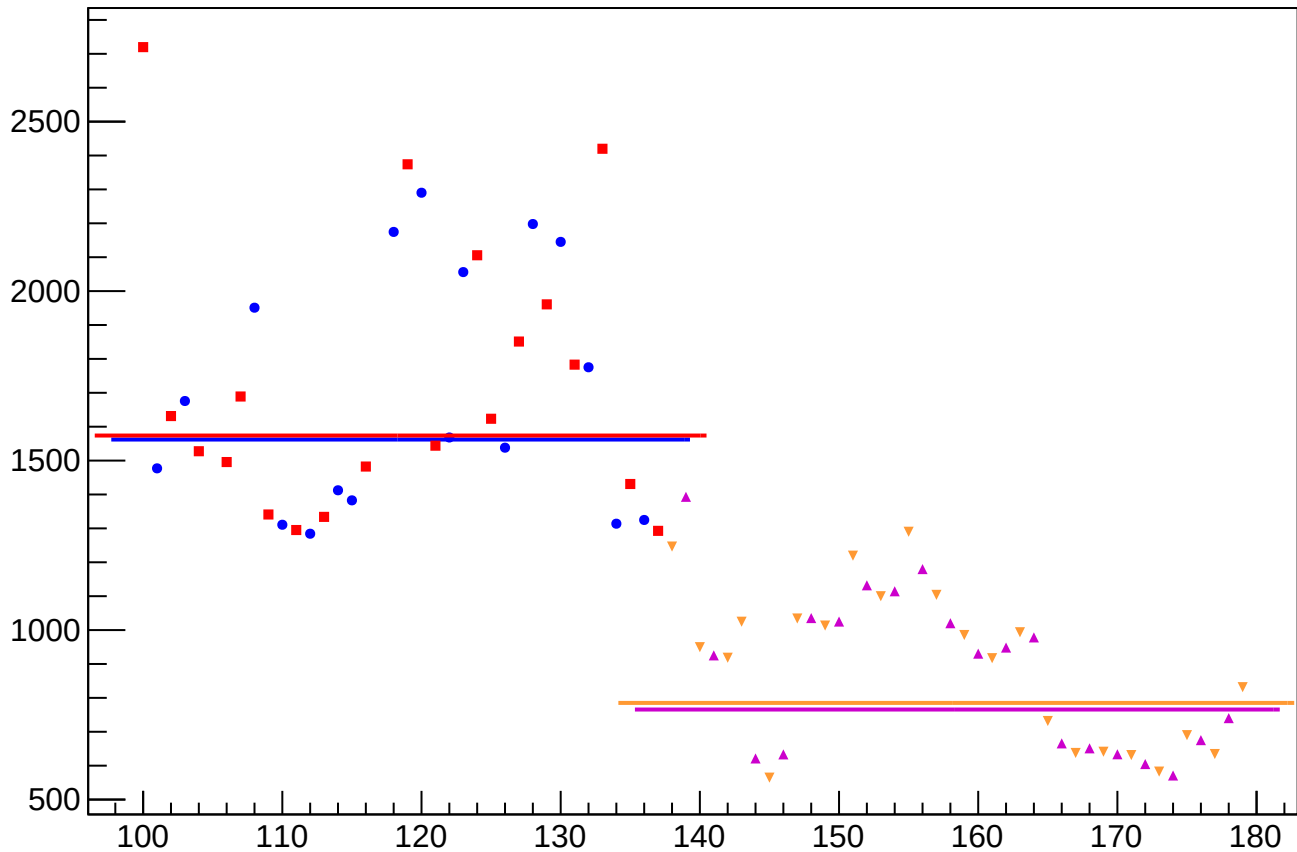
Left In: 143.075 ± 201.533 χ^2/NDF : 23.8/19

+ sign 1013.974 ± 190.288 χ^2/NDF : 86.0/38

All: 633.095 ± 134.855 χ^2/NDF : 130.5/77

- sign 248.790 ± 191.142 χ^2/NDF : 36.4/38

asym_sam3_rms vs Slug



Right In: 1562.101 ± 0.439 $\chi^2/\text{NDF}: 482088.3/16$

Left Out: 785.128 ± 0.141 $\chi^2/\text{NDF}: 2169620.1/21$

Right Out: 1573.906 ± 0.426 $\chi^2/\text{NDF}: 463991.4/18$

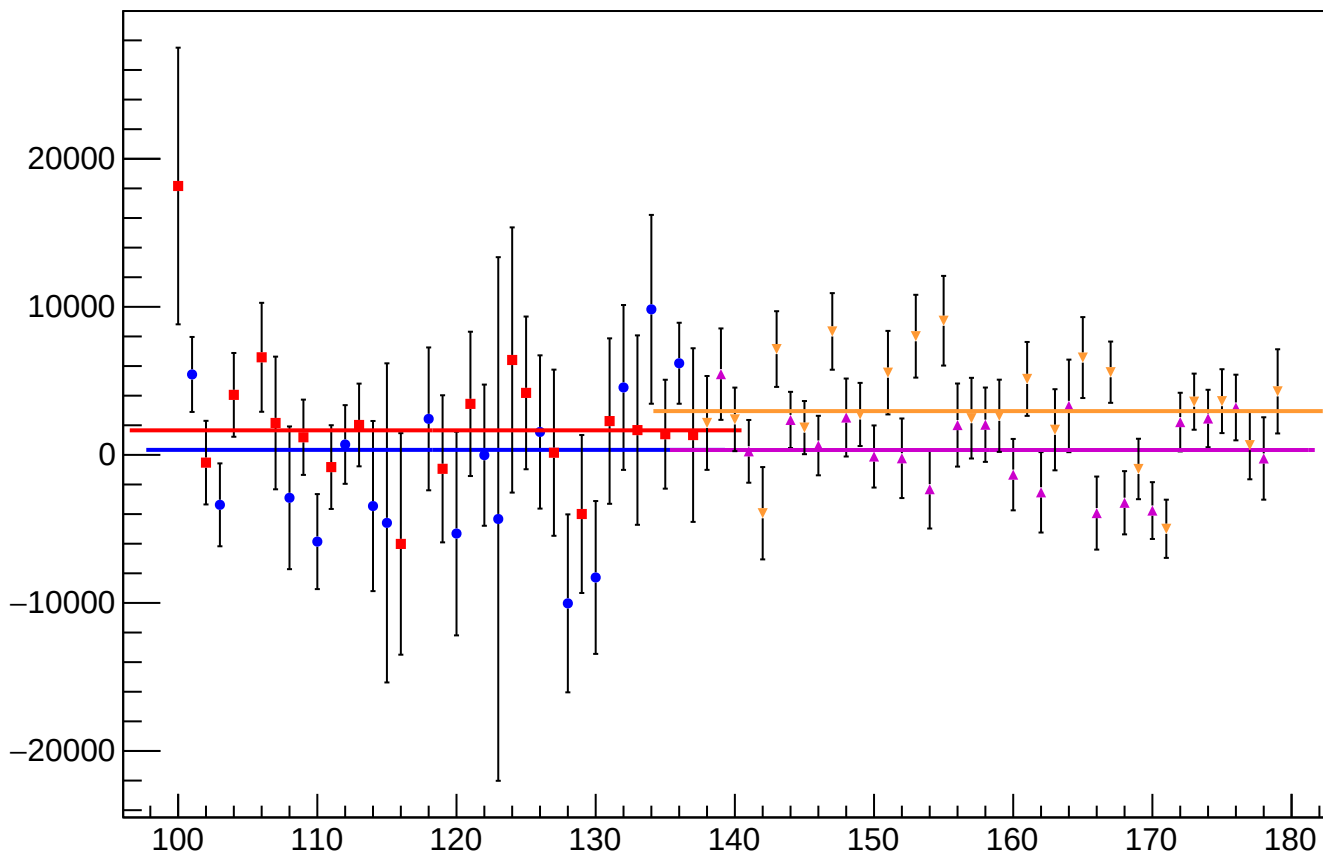
Left In: 765.587 ± 0.143 $\chi^2/\text{NDF}: 1971425.4/19$

+ sign 858.098 ± 0.135 $\chi^2/\text{NDF}: 5489146.3/38$

All: 852.470 ± 0.095 $\chi^2/\text{NDF}: 11160283.0/77$

- sign 846.791 ± 0.135 $\chi^2/\text{NDF}: 5667621.3/38$

asym_sam4_mean vs Slug



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 2956.823 $\pm$ 507.566 χ^2 /NDF: 46.4/21

Right Out: 1658.069 $\pm$ 924.453 χ^2 /NDF: 10.3/18

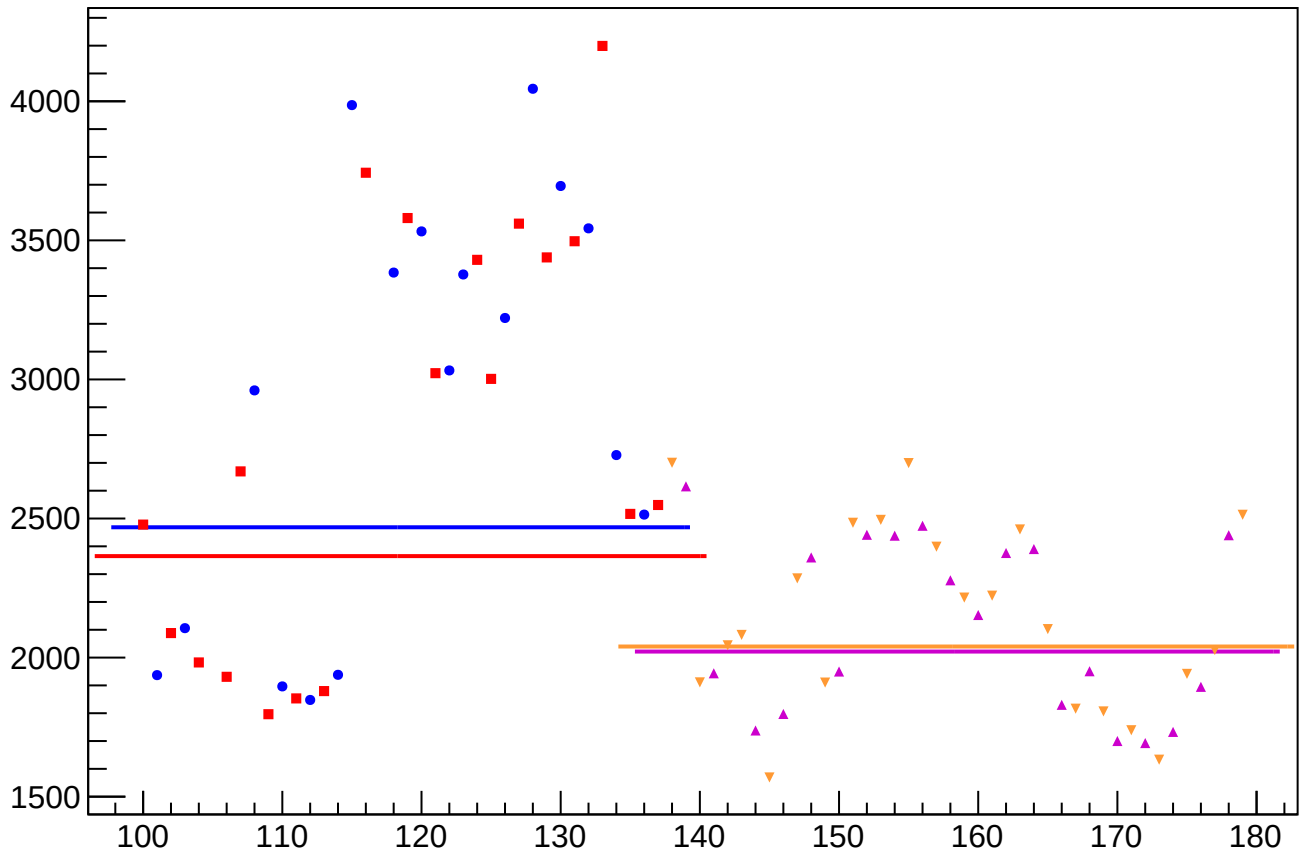
Left In: 329.804 $\pm$ 519.319 χ^2 /NDF: 23.2/19

+ sign 2416.819 $\pm$ 452.216 χ^2 /NDF: 76.7/38

All: 1533.703 $\pm$ 319.960 χ^2 /NDF: 119.3/77

- sign 648.421 $\pm$ 452.769 χ^2 /NDF: 35.0/38

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

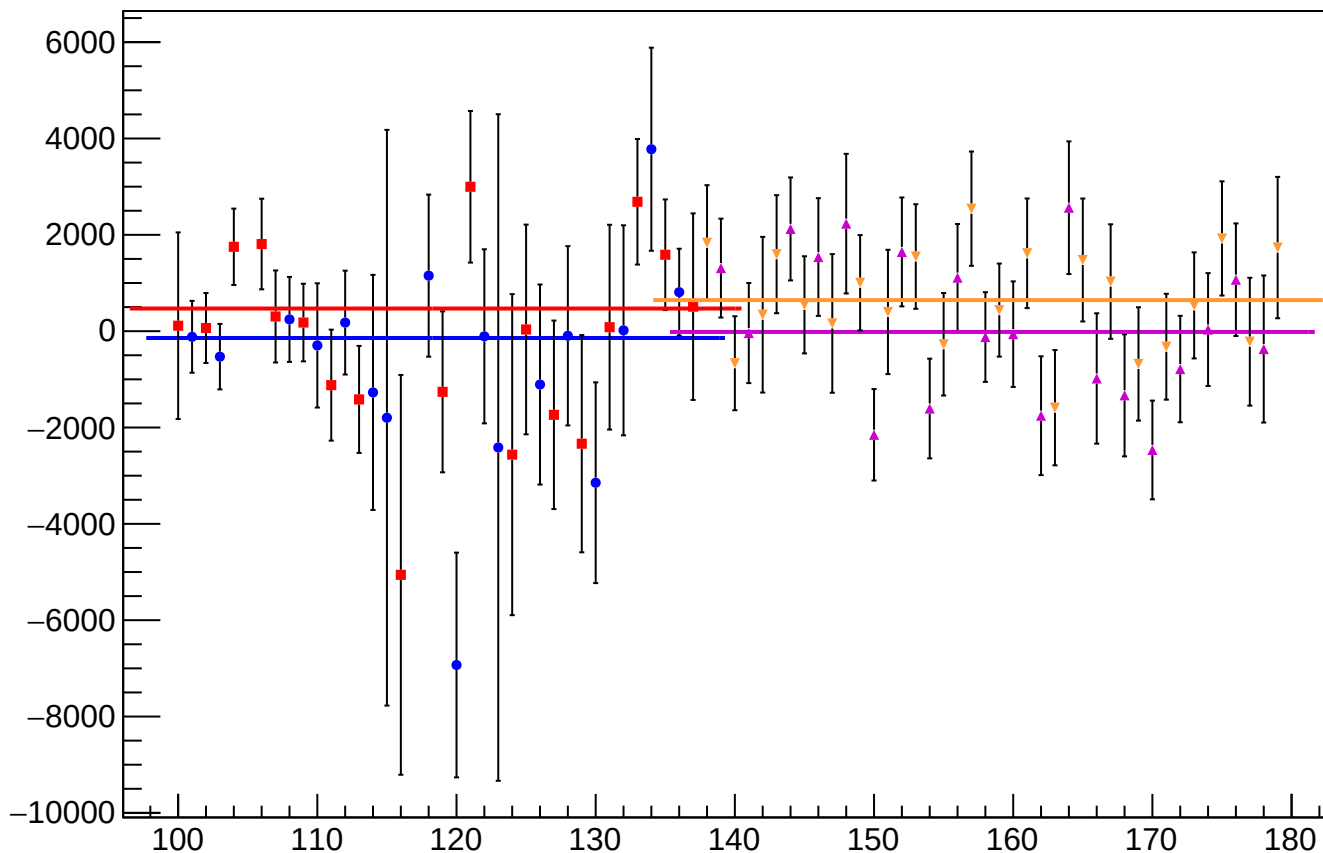
Left In: 2021.675+/-0.367 χ^2/NDF : 641898.0/19

+ sign 2128.210+/-0.320 χ^2/NDF : 1997589.7/38

All: 2116.115+/-0.226 χ^2/NDF : 3876989.3/77

- sign 2103.990+/-0.320 χ^2/NDF : 1876534.5/38

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

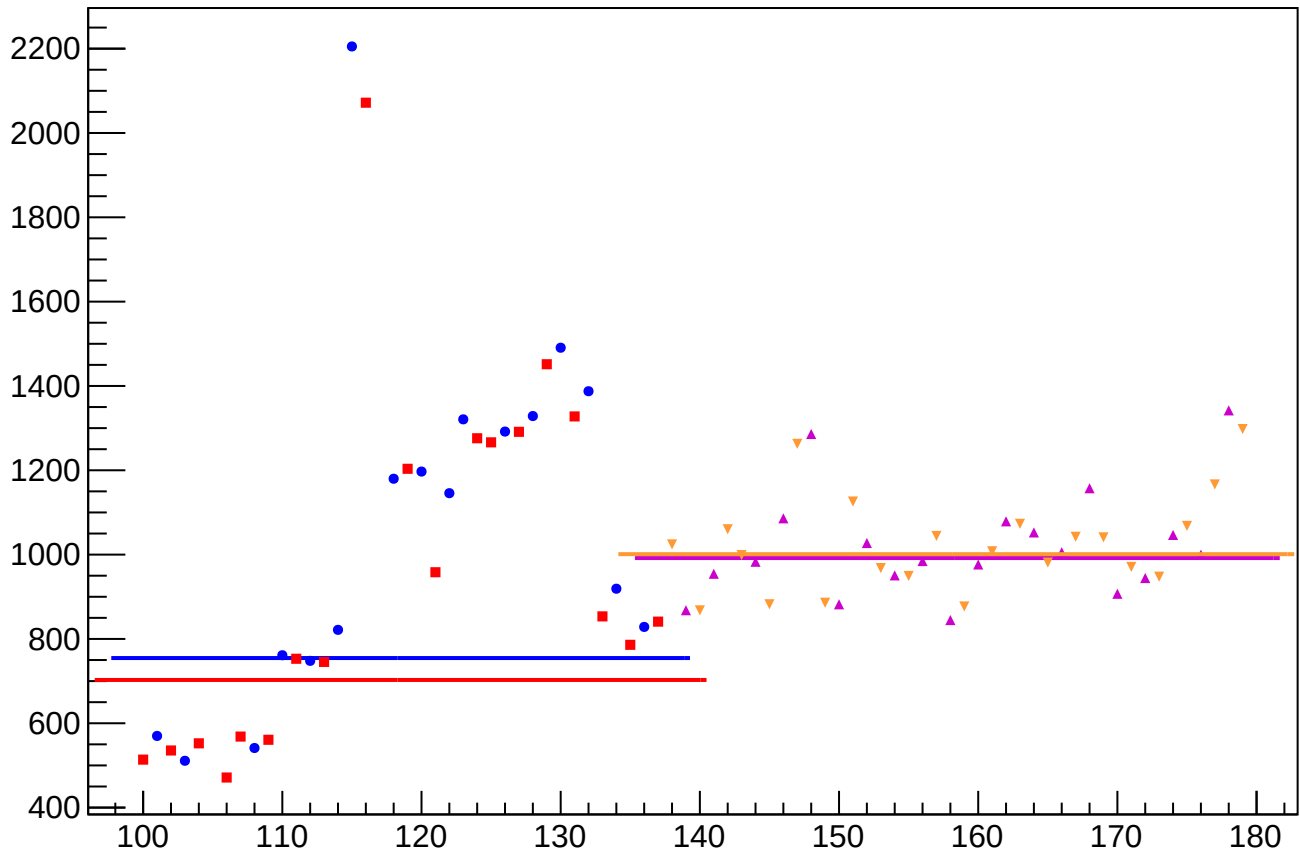
Left In: -15.978 ± 253.786 χ^2/NDF : 34.5/19

+ sign 342.789 ± 194.256 χ^2/NDF : 37.5/38

All: 269.811 ± 135.429 χ^2/NDF : 96.9/77

- sign 200.795 ± 188.909 χ^2/NDF : 59.1/38

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

+ sign 906.350 $\pm$ 0.137 χ^2 /NDF: 2812612.4/38

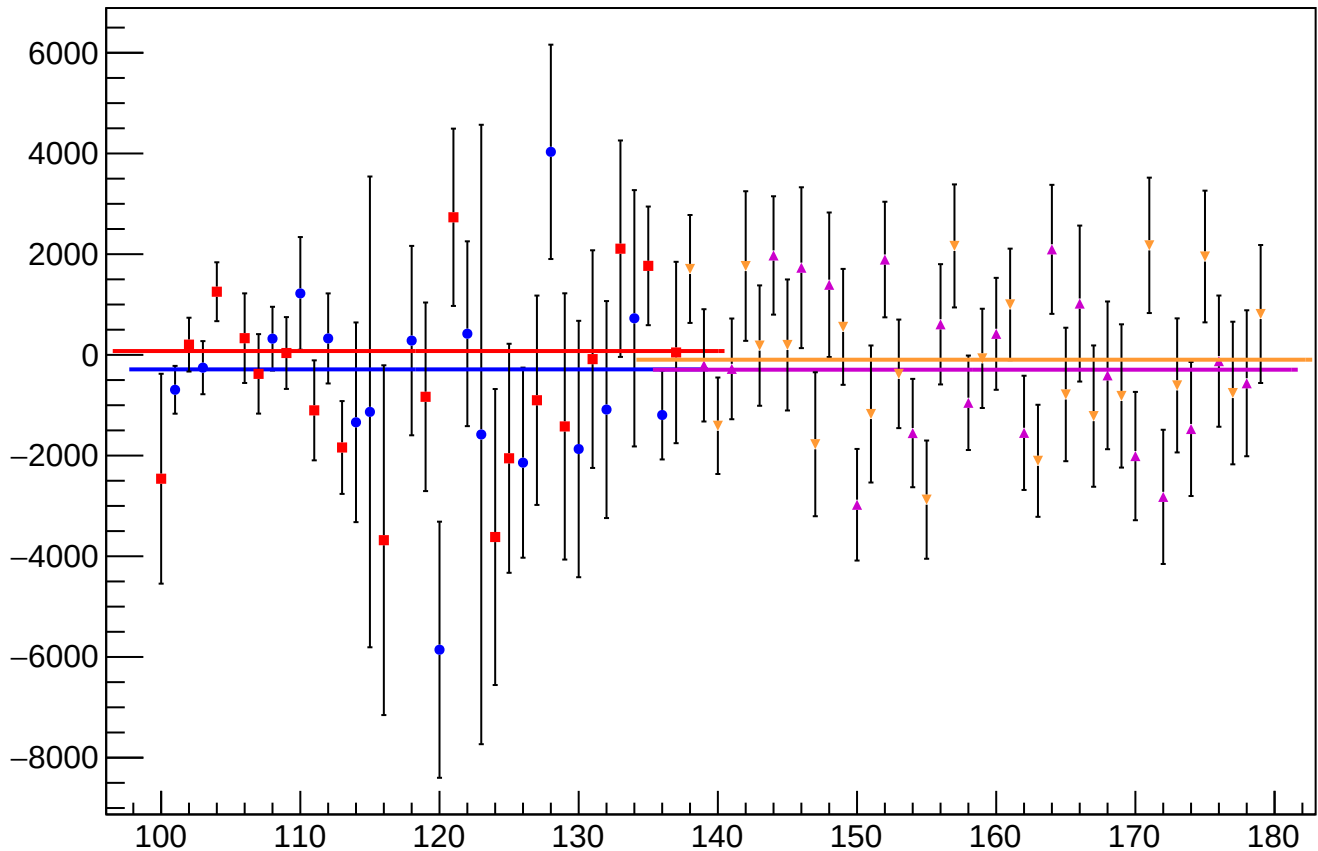
Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

All: 884.027 $\pm$ 0.096 χ^2 /NDF: 6096678.0/77

- sign 862.916 $\pm$ 0.134 χ^2 /NDF: 3232677.2/38

Left In: 991.841 $\pm$ 0.179 χ^2 /NDF: 383596.0/19

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

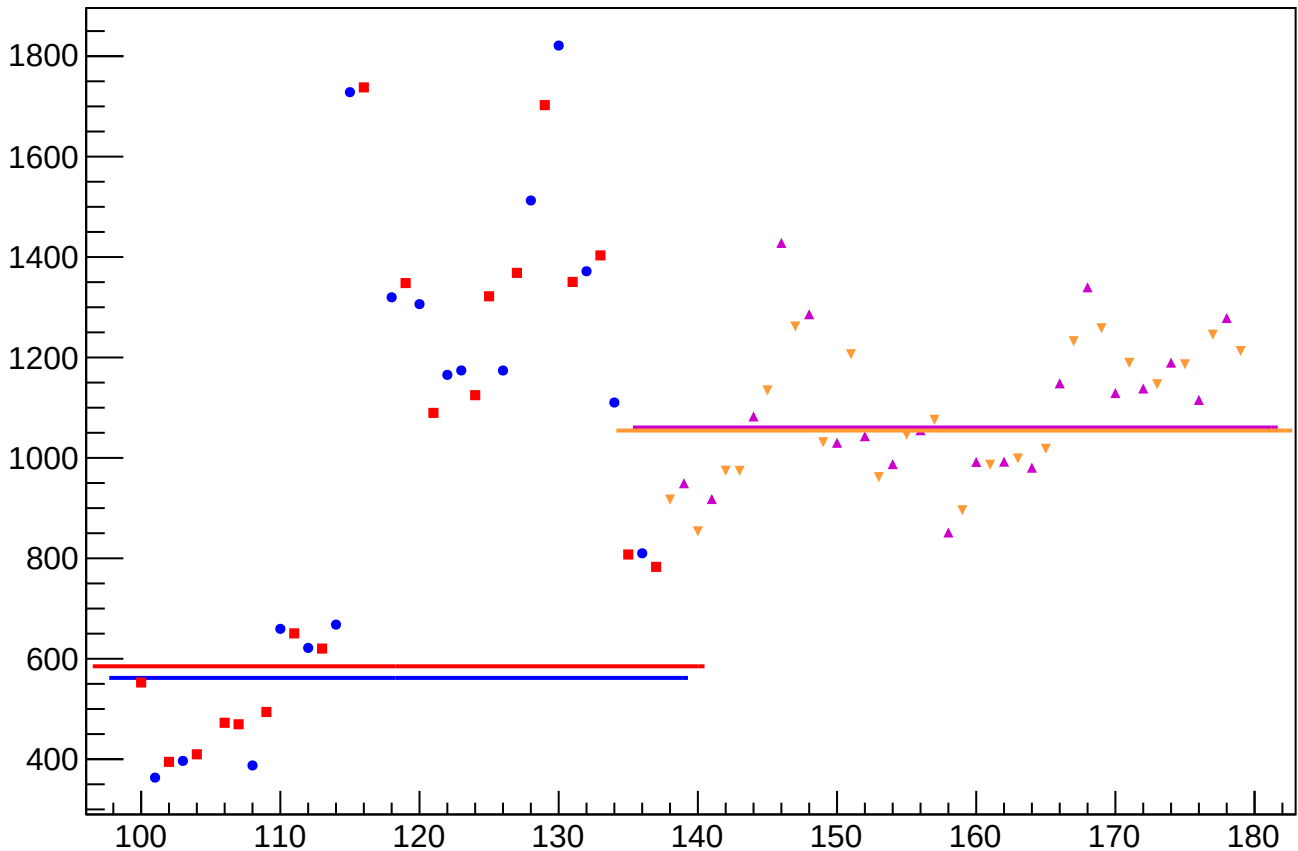
Left In: -294.452 ± 271.527 χ^2/NDF : 30.7/19

+ sign -195.890 ± 180.648 χ^2/NDF : 45.8/38

All: -143.931 ± 128.332 χ^2/NDF : 99.0/77

- sign -90.994 ± 182.341 χ^2/NDF : 53.1/38

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

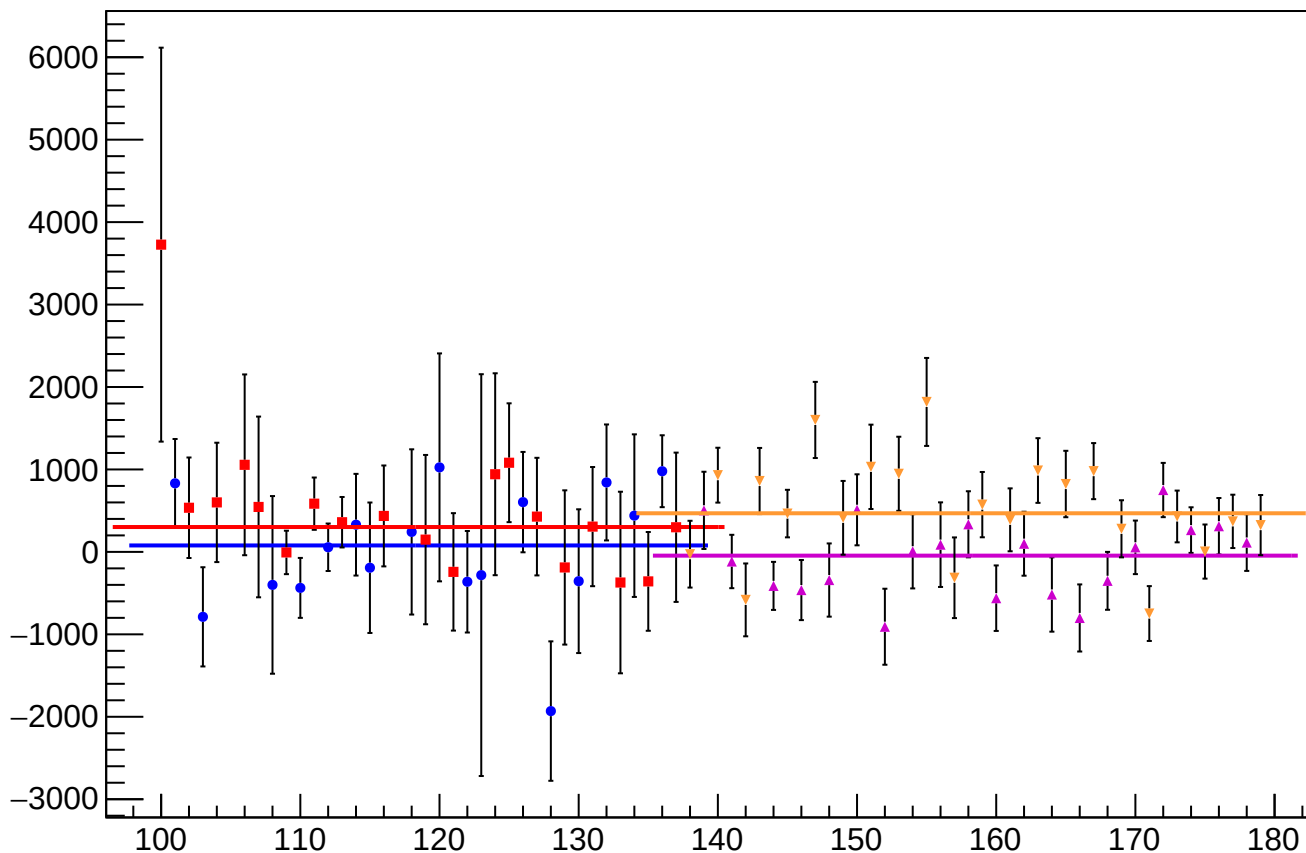
Left In: 1060.580 $\pm$ 0.192 χ^2 /NDF: 508582.5/19

+ sign 798.187 $\pm$ 0.128 χ^2 /NDF: 7406976.2/38

All: 798.820 $\pm$ 0.091 χ^2 /NDF: 14108792.5/77

- sign 799.465 $\pm$ 0.129 χ^2 /NDF: 6701766.8/38

asym_sam7_mean vs Slug



Right In: 78.184 $\pm$ 142.869 χ^2/NDF : 19.8/16

Left Out: 468.462 $\pm$ 80.831 χ^2/NDF : 48.2/21

Right Out: 301.651 $\pm$ 129.650 χ^2/NDF : 9.1/18

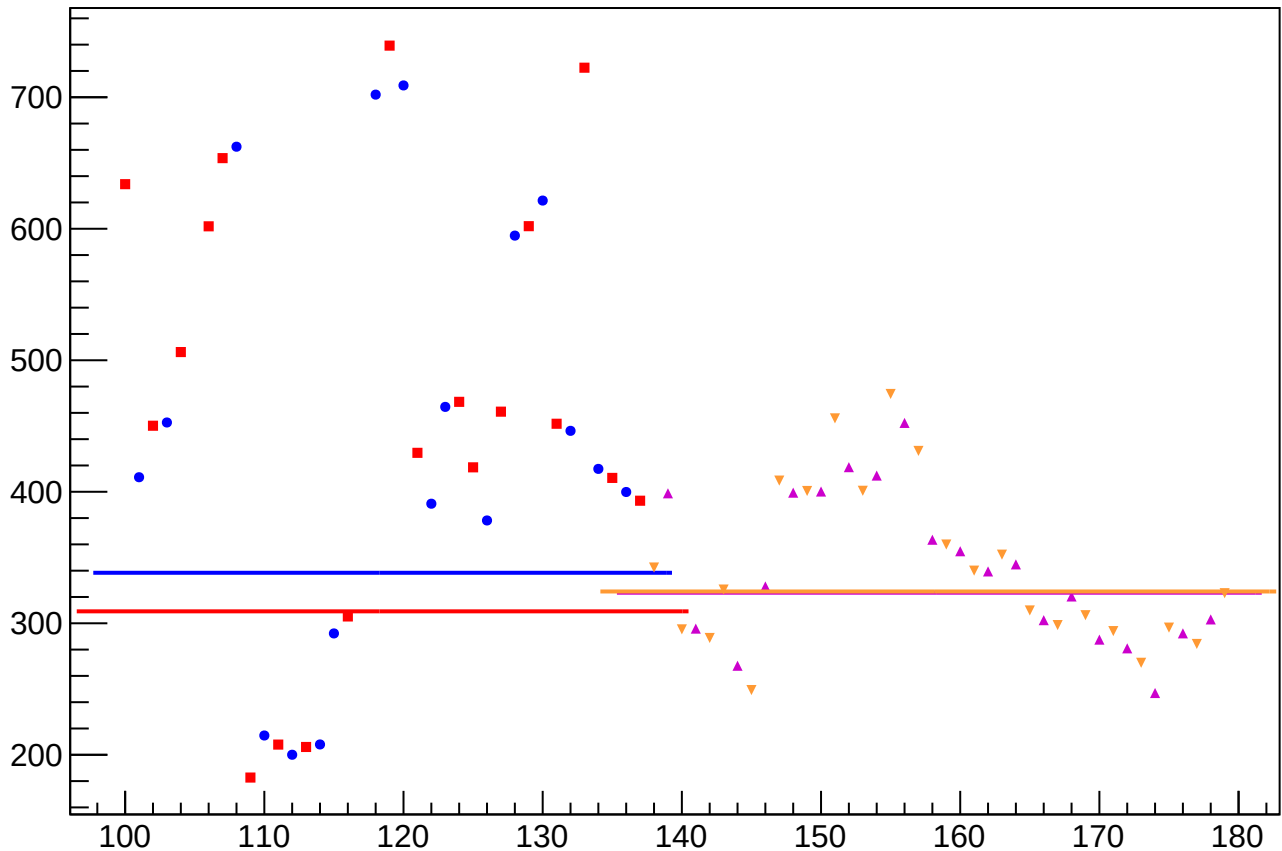
Left In: -45.463 $\pm$ 83.225 χ^2/NDF : 26.5/19

+ sign 373.829 $\pm$ 70.352 χ^2/NDF : 73.6/38

All: 214.117 $\pm$ 49.634 χ^2/NDF : 124.6/77

- sign 55.831 $\pm$ 70.037 χ^2/NDF : 40.7/38

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

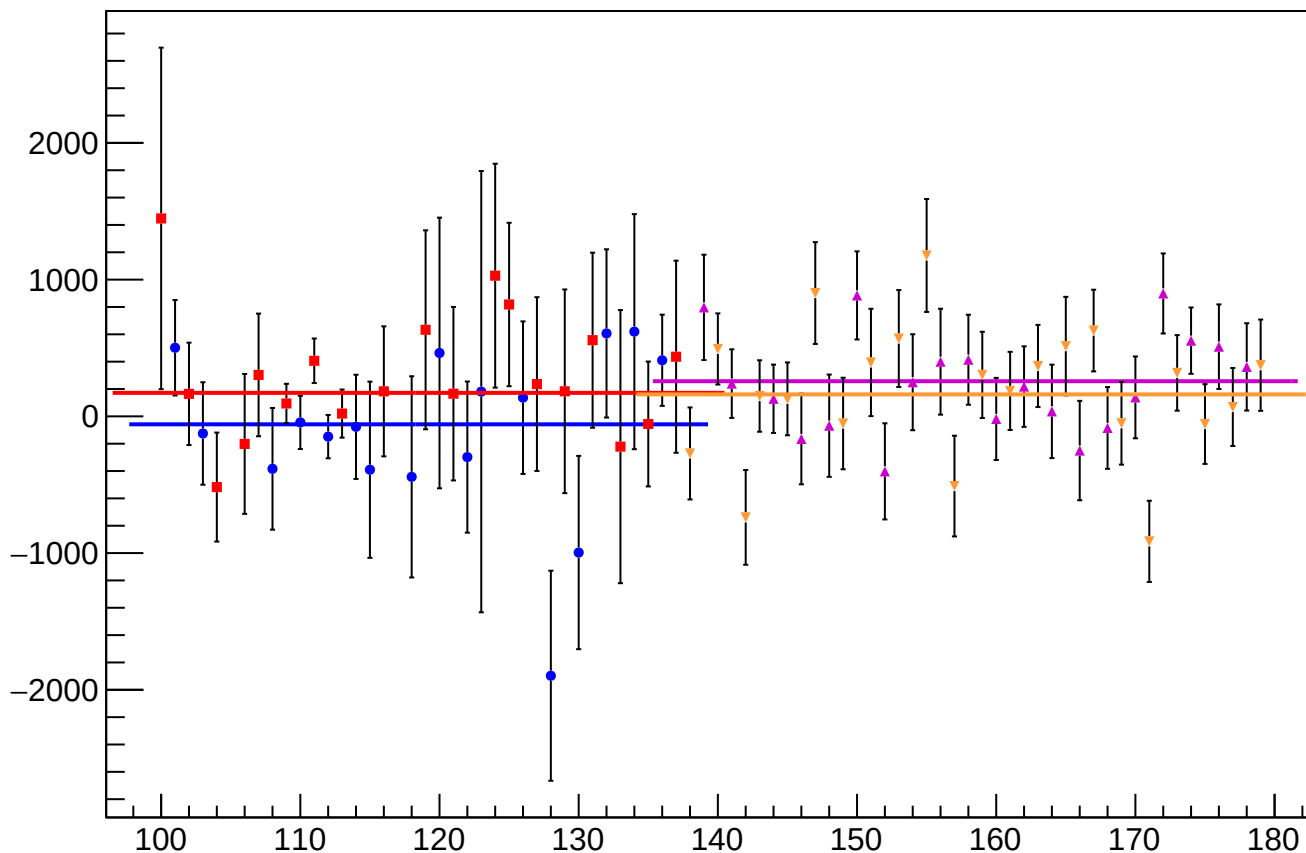
Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

All: 323.353 $\pm$ 0.035 χ^2 /NDF: 6526928.4/77

Left In: 323.242 $\pm$ 0.059 χ^2 /NDF: 831382.2/19

- sign 319.110 $\pm$ 0.050 χ^2 /NDF: 3581744.9/38

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 160.570 ± 66.639 χ^2/NDF : 44.5/21

Right Out: 171.954 ± 76.920 χ^2/NDF : 11.3/18

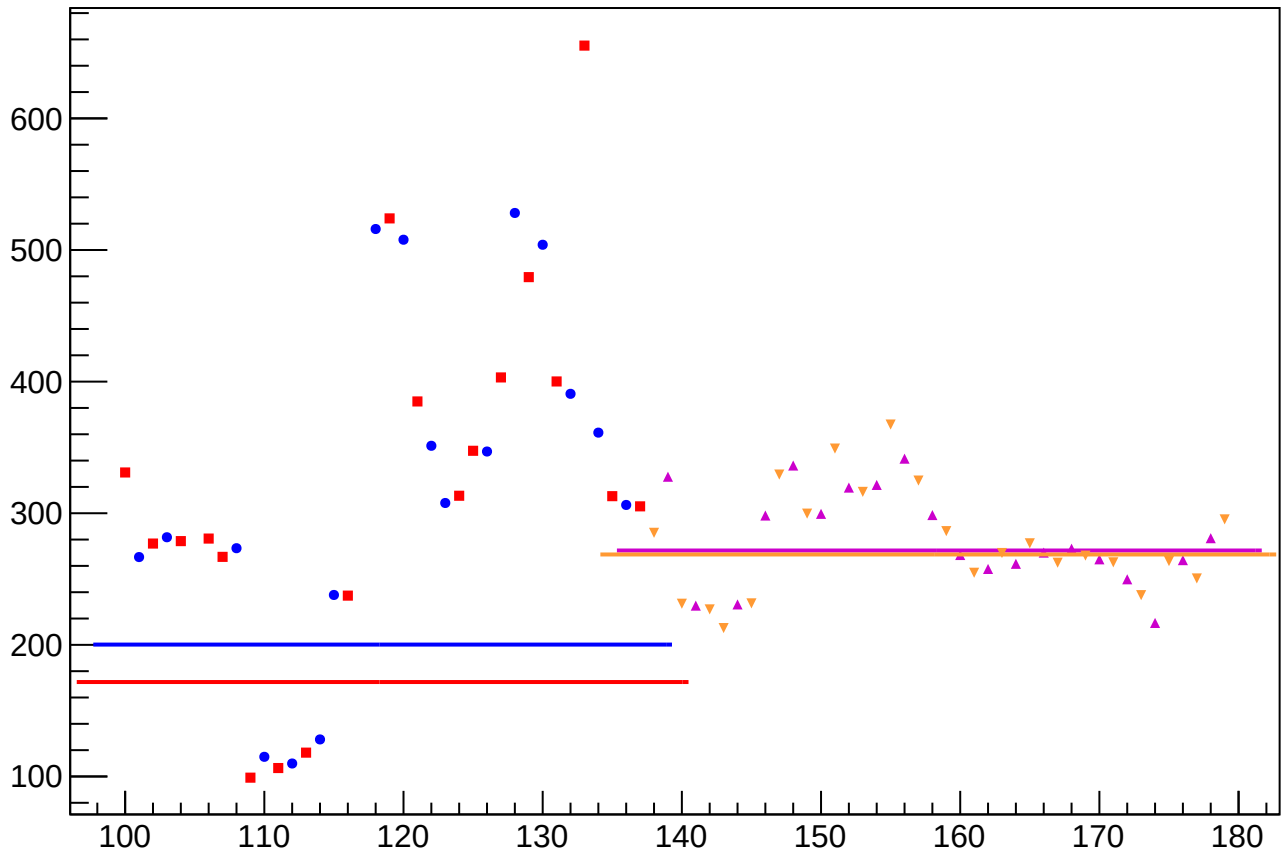
Left In: 257.045 ± 69.565 χ^2/NDF : 24.0/19

+ sign 83.604 ± 53.657 χ^2/NDF : 64.2/38

All: 153.831 ± 37.191 χ^2/NDF : 103.6/77

- sign 218.762 ± 51.595 χ^2/NDF : 36.1/38

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

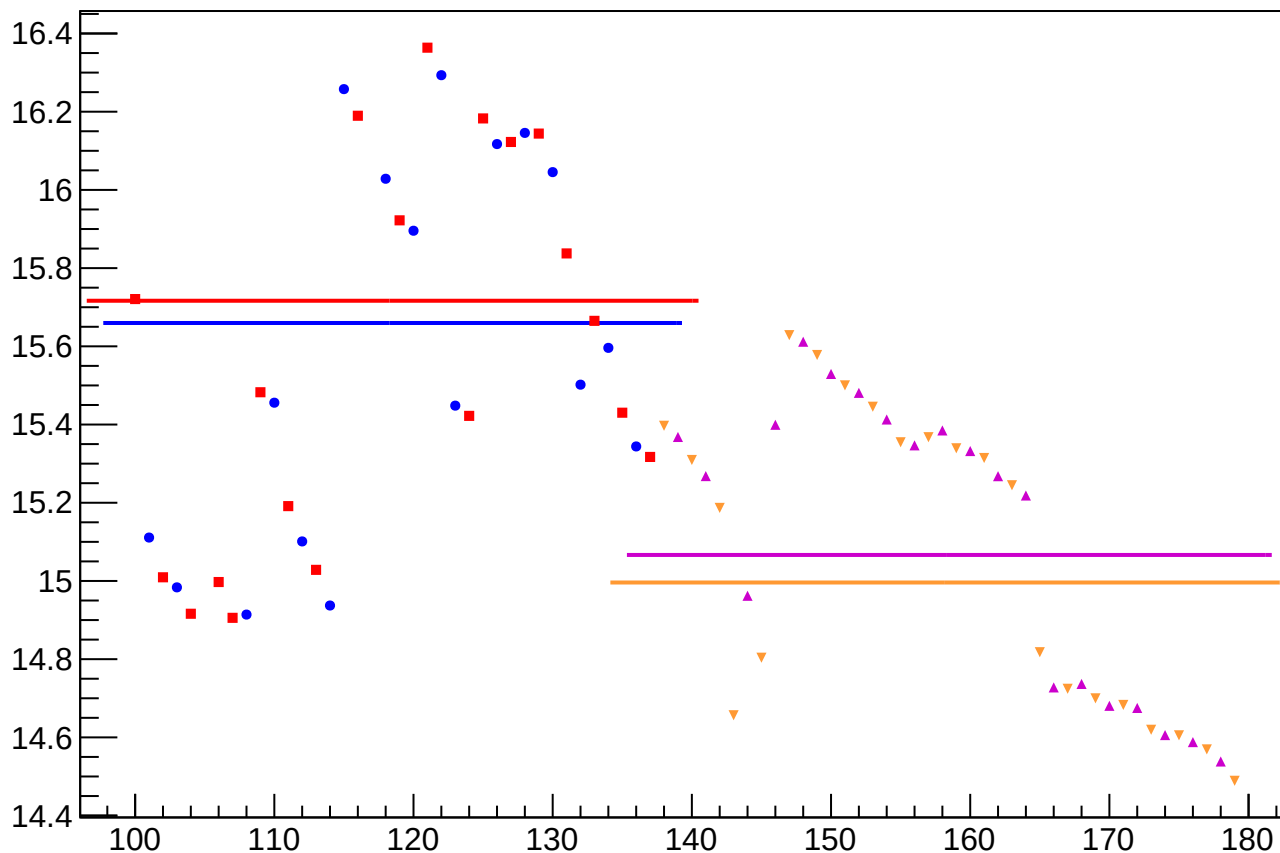
Left In: 271.689 $\pm$ 0.049 χ^2 /NDF: 519376.0/19

+ sign 244.597 $\pm$ 0.038 χ^2 /NDF: 4746826.1/38

All: 235.312 $\pm$ 0.026 χ^2 /NDF: 11332277.8/77

- sign 226.728 $\pm$ 0.036 χ^2 /NDF: 6470205.3/38

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

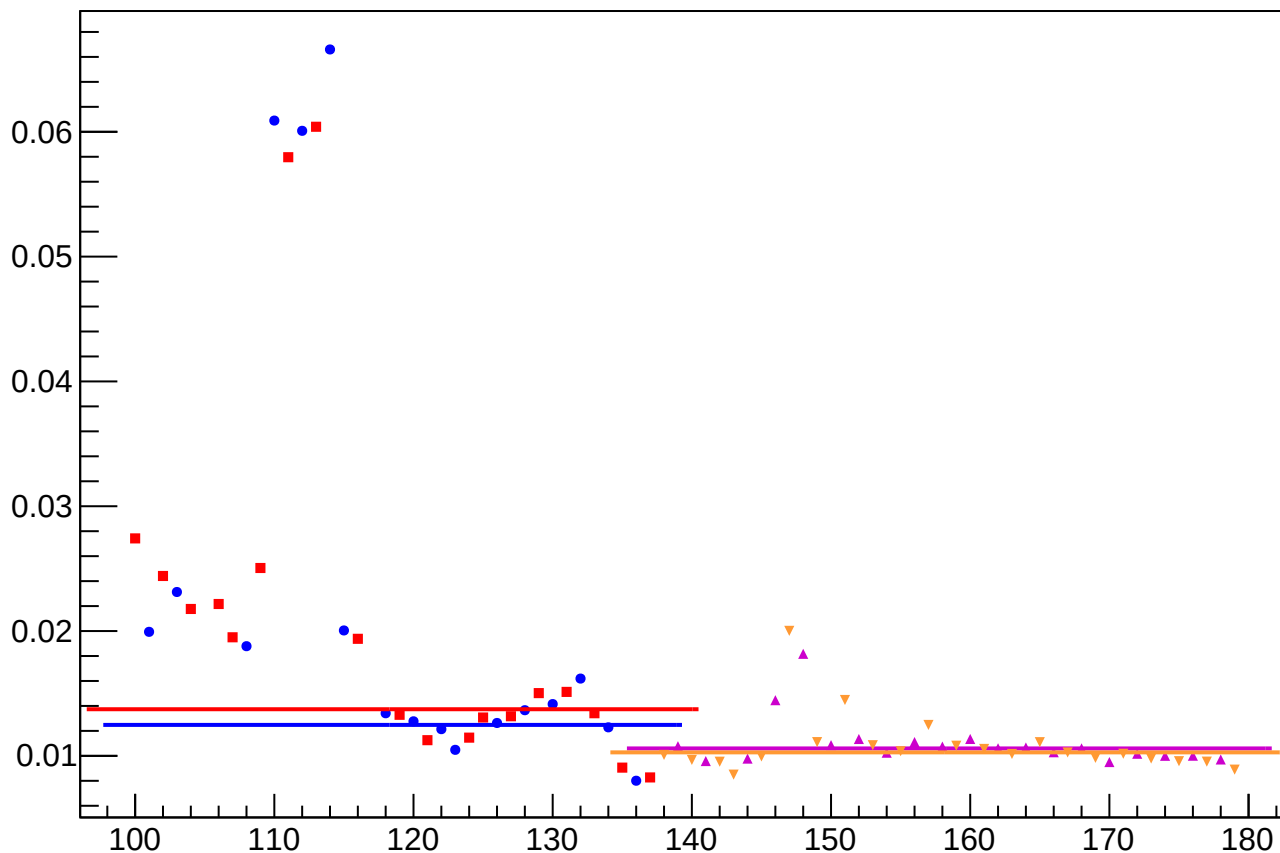
Left In: 15.067 $\pm$ 0.000 χ^2 /NDF: 16686078720.1/19

+ sign 15.118 $\pm$ 0.000 χ^2 /NDF: 38023147945.7/38

All: 15.149 $\pm$ 0.000 χ^2 /NDF: 70530966744.1

- sign 15.184 $\pm$ 0.000 χ^2 /NDF: 32136288034.3/38

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

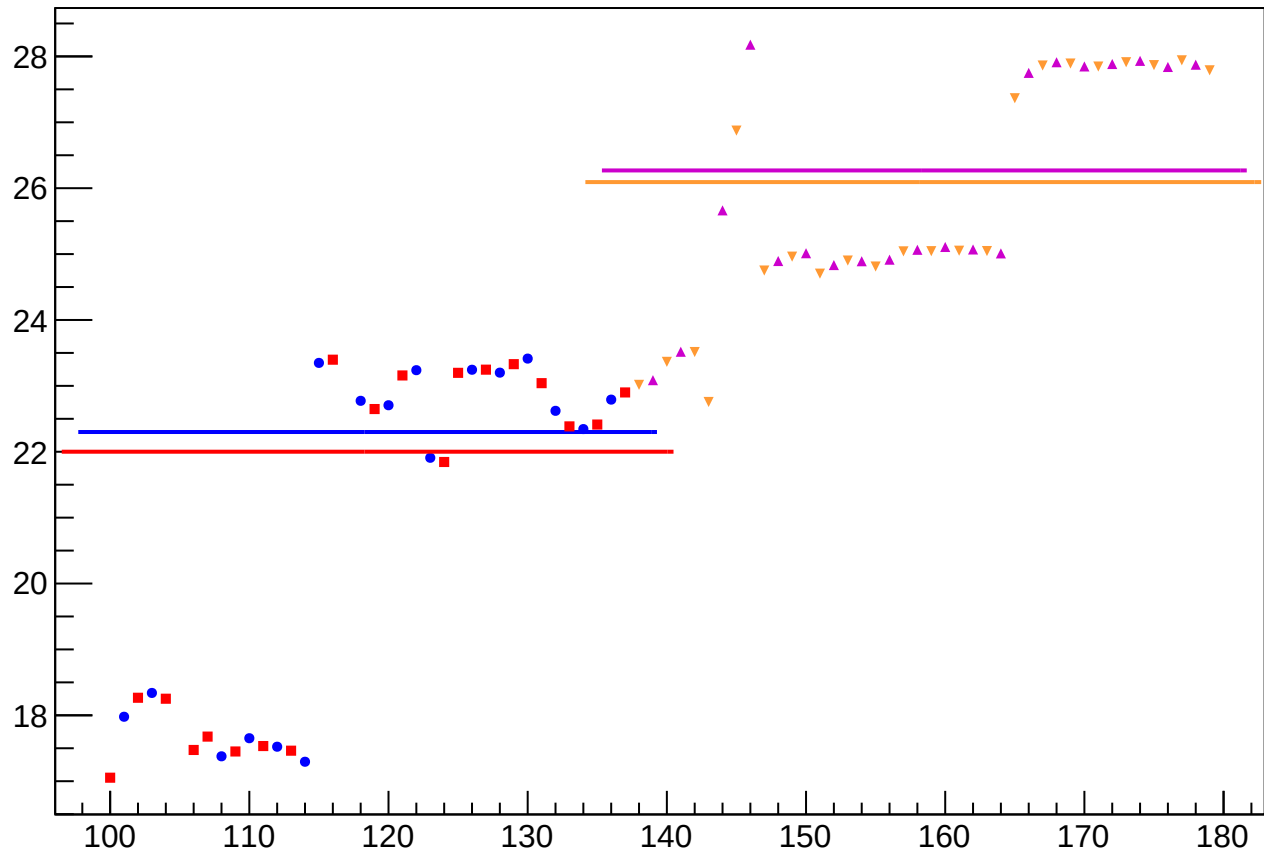
Left In: 0.011+/-0.000 χ^2/NDF :465805.6/19

+ sign 0.011+/-0.000 χ^2/NDF : 3089139.7/38

All: 0.011+/-0.000 χ^2/NDF : 6137857.5/77

- sign 0.011+/-0.000 χ^2/NDF : 3009762.4/38

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

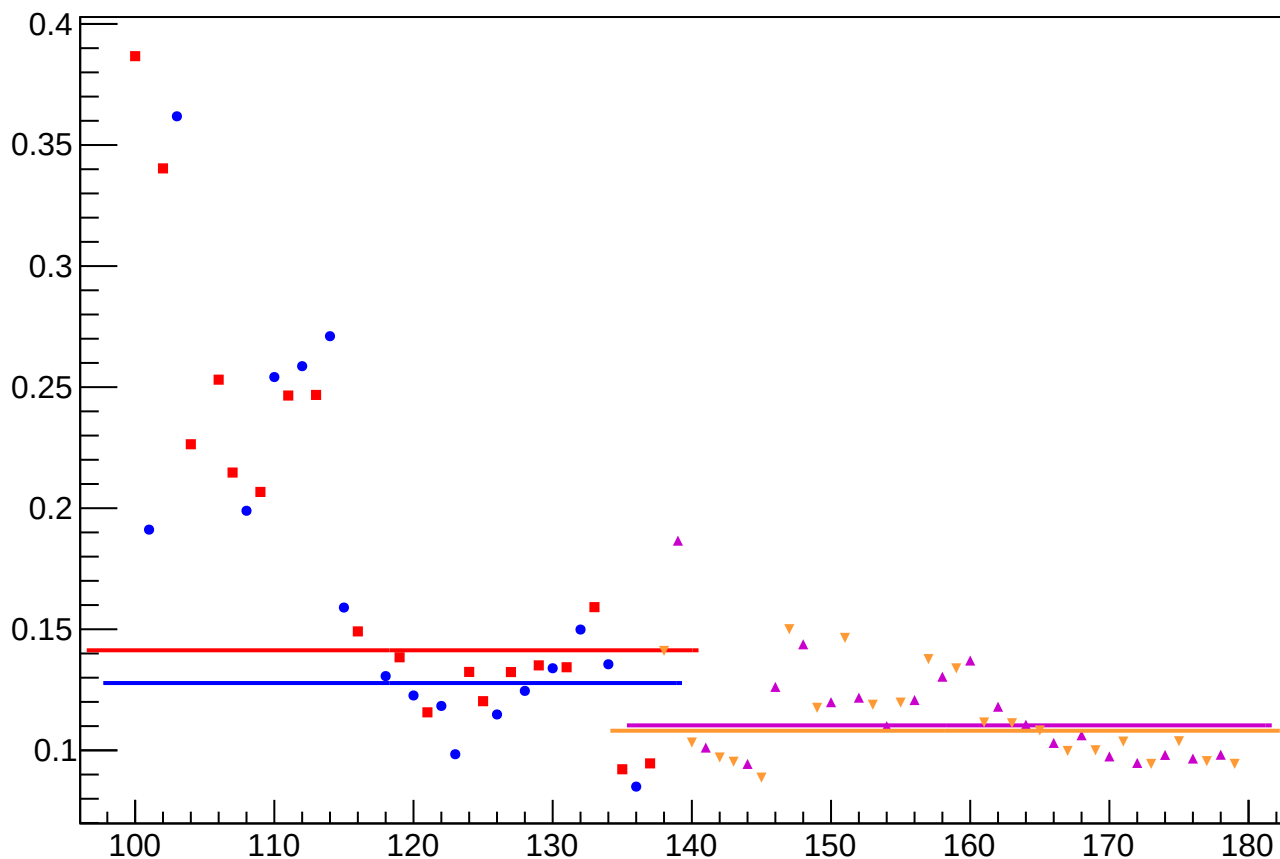
Left In: 26.269+/-0.000 χ^2/NDF : 2801543841.4/19

+ sign 25.324+/-0.000 χ^2/NDF : 8395722362.6/38

All: 25.365+/-0.000 χ^2/NDF : 16283548044.1

- sign 25.411+/-0.000 χ^2/NDF : 7882325642.1/38

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

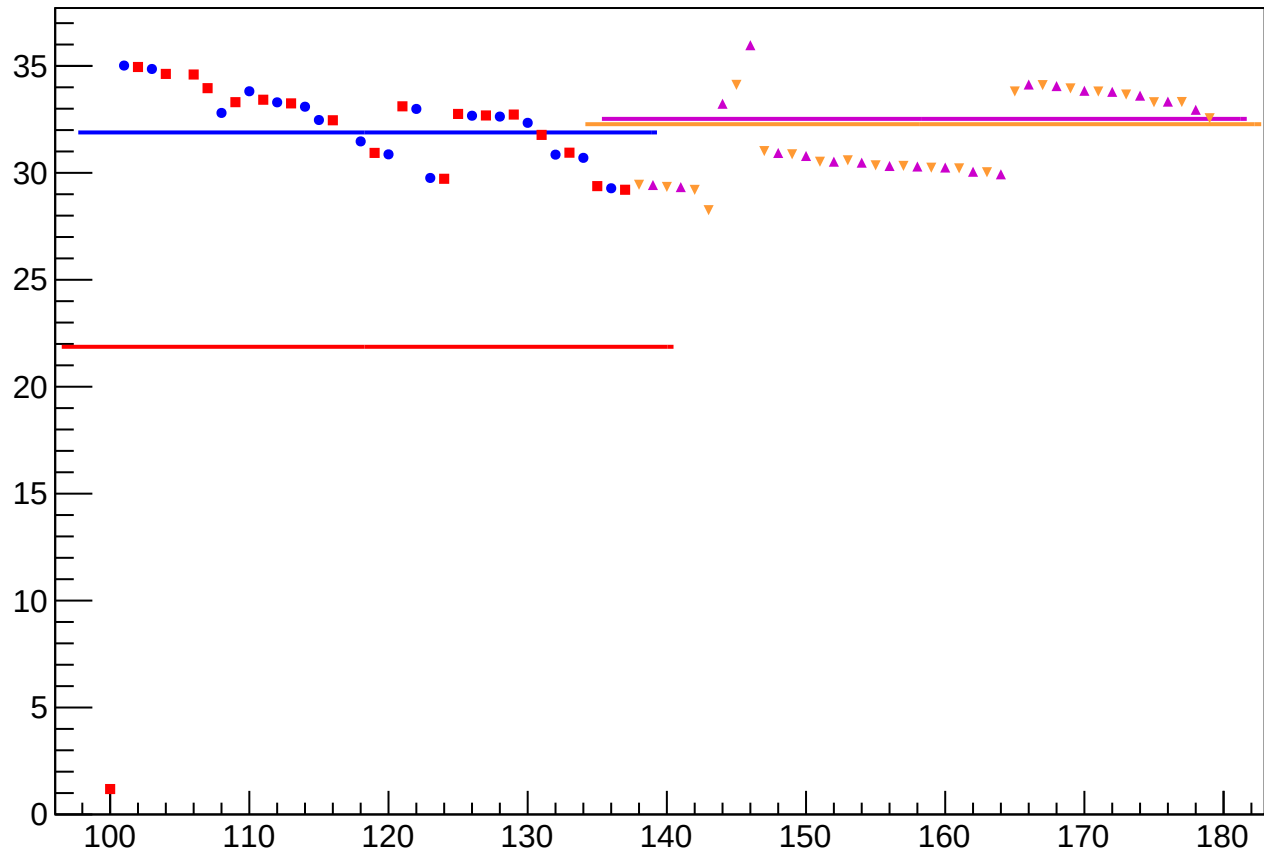
Left In: 0.110+/-0.000 χ^2/NDF : 653682.1/19

+ sign 0.112+/-0.000 χ^2/NDF : 2311716.8/38

All: 0.114+/-0.000 χ^2/NDF : 4866953.3/77

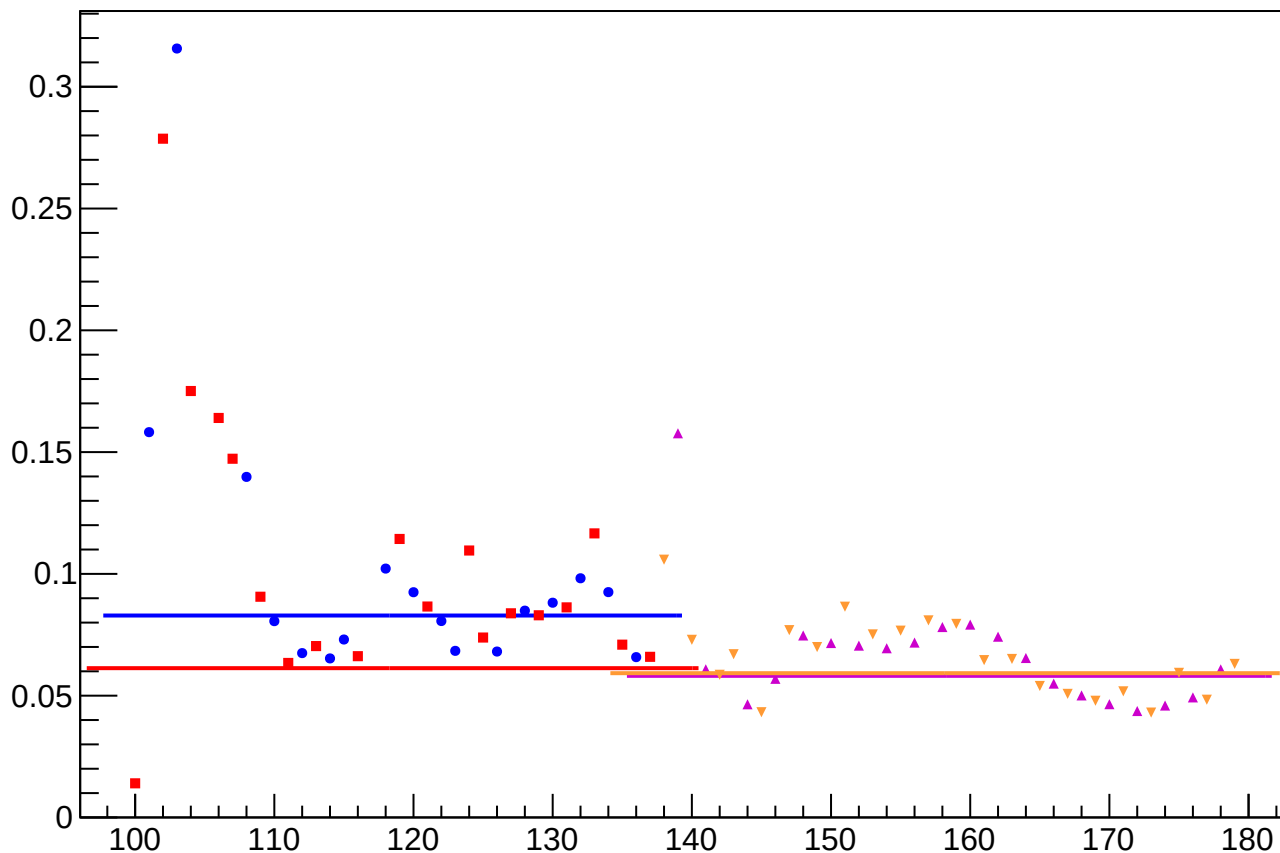
- sign 0.117+/-0.000 χ^2/NDF : 2526536.0/38

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000	χ^2/NDF : 1930403776.3/16	+ sign 32.212+/-0.000	χ^2/NDF : 14113417922.5/38
Left Out: 32.275+/-0.000	χ^2/NDF : 12094286205.2/21	All: 31.091+/-0.000	χ^2/NDF : 358993703086.
Right Out: 21.867+/-0.000	χ^2/NDF : 230068750081.7/18	- sign 30.022+/-0.000	χ^2/NDF : 334274133872.3/38
Left In: 32.524+/-0.000	χ^2/NDF : 11702957664.3/19		

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

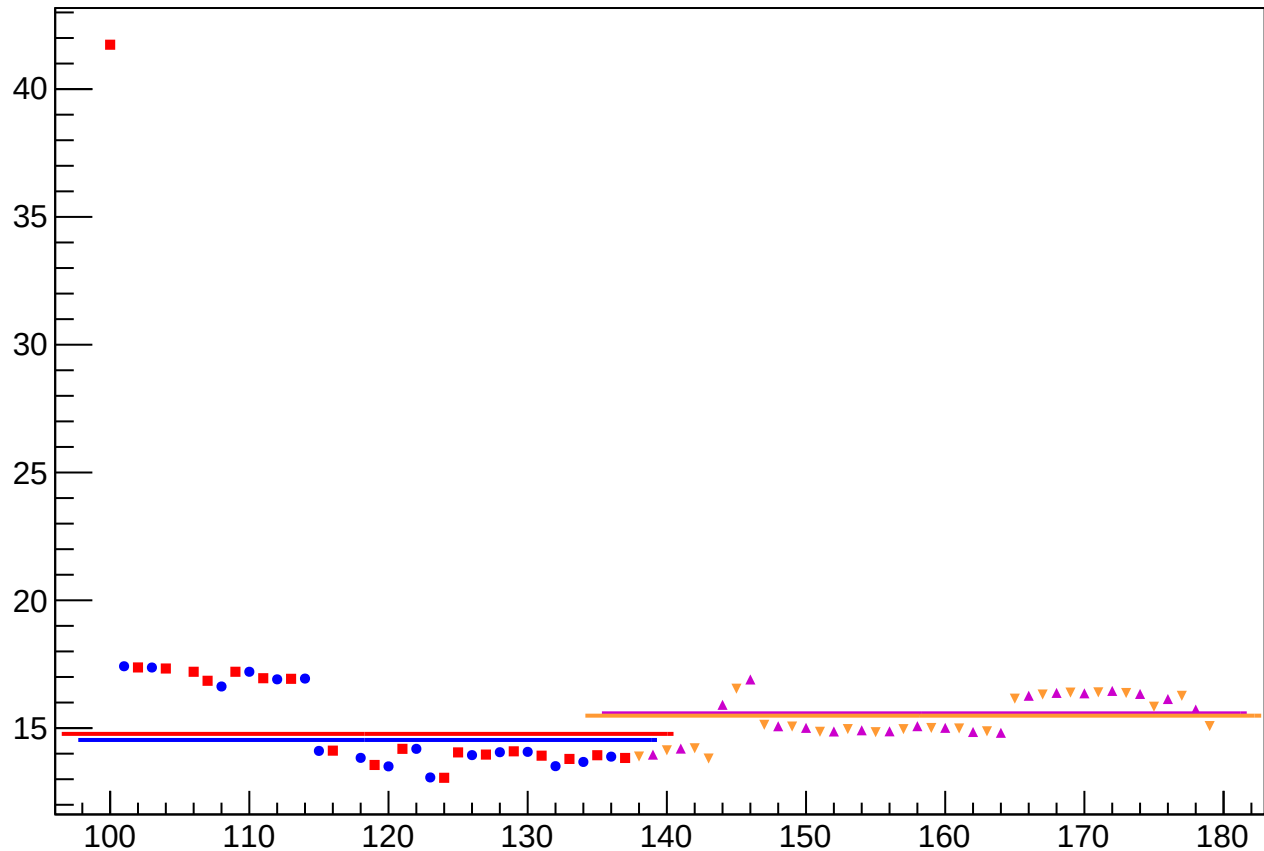
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 1513916.5/19

+ sign 0.063 $\pm$ 0.000 χ^2 /NDF: 3188708.4/38

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 8402590.9/77

- sign 0.059 $\pm$ 0.000 χ^2 /NDF: 5133880.0/38

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

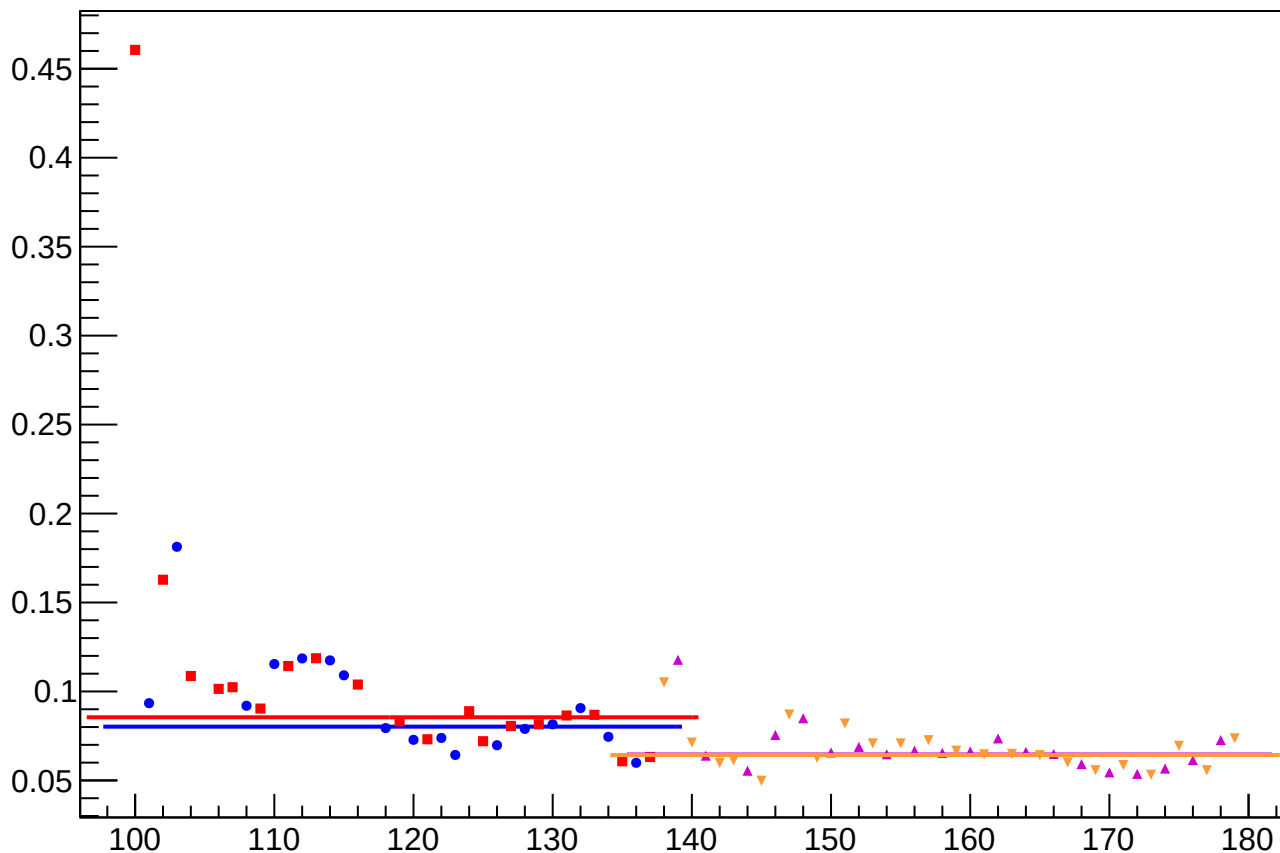
Left In: 15.577+/-0.000 χ^2/NDF : 1871311787.5/19

+ sign 15.295+/-0.000 χ^2/NDF : 4468899014.6/38

All: 15.352+/-0.000 χ^2/NDF : 8669695614.0/7

- sign 15.414+/-0.000 χ^2/NDF : 4171746410.7/38

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.064+/-0.000 χ^2/NDF : 688381.4/21

Right Out: 0.085+/-0.000 χ^2/NDF : 738043.0/18

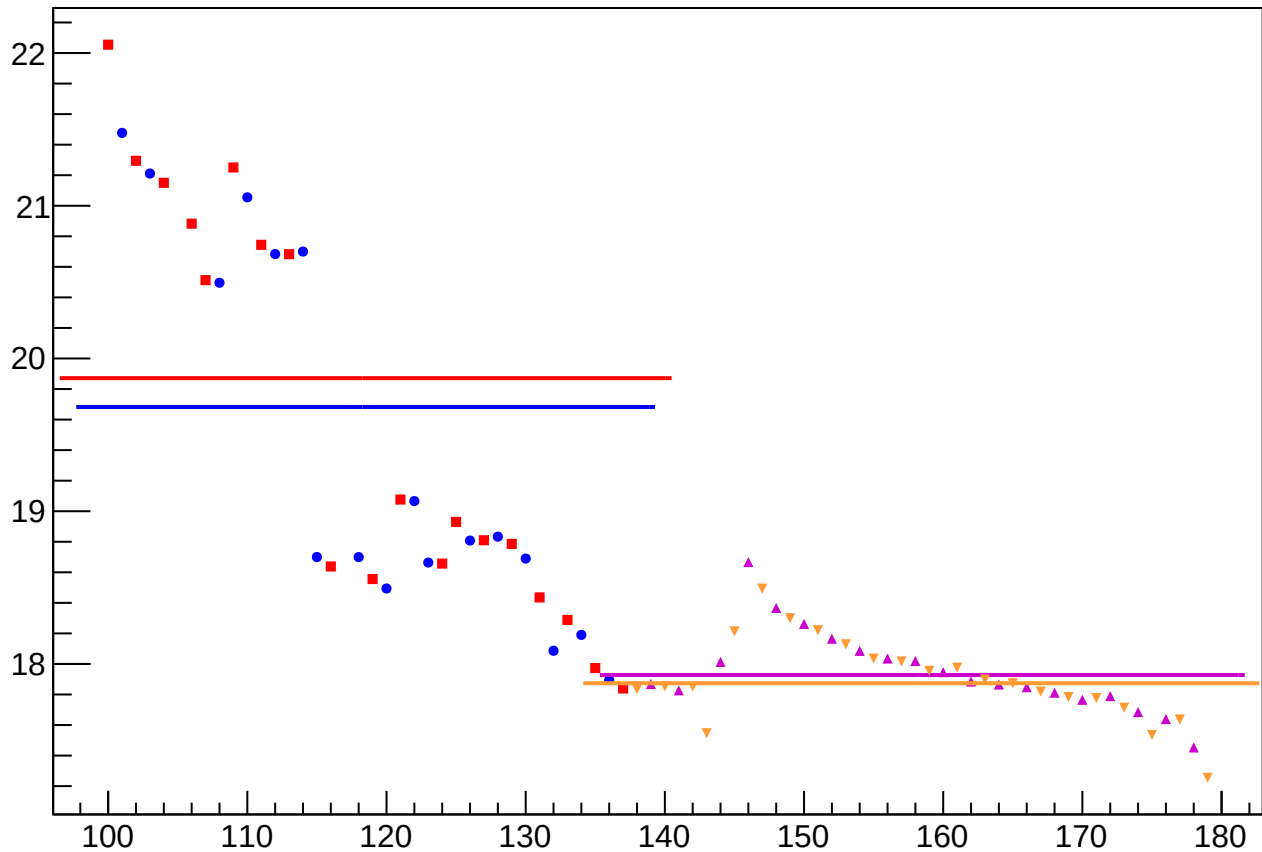
Left In: 0.065+/-0.000 χ^2/NDF : 623540.2/19

+ sign 0.067+/-0.000 χ^2/NDF : 1816598.3/38

All: 0.068+/-0.000 χ^2/NDF : 3745165.2/77

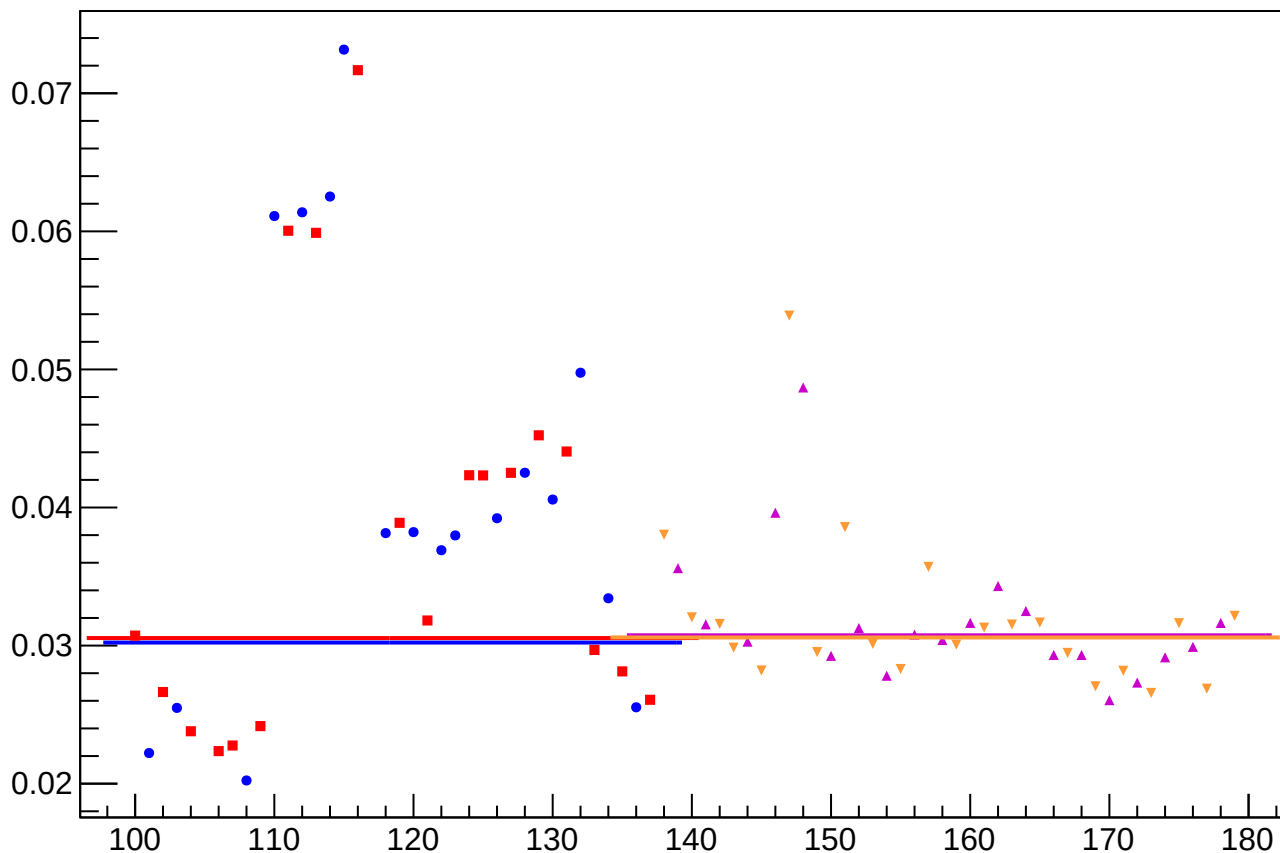
- sign 0.069+/-0.000 χ^2/NDF : 1920920.0/38

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000	χ^2/NDF : 12276801857.2/16	+ sign 18.356+/-0.000	χ^2/NDF : 28034655253.5/38
Left Out: 17.874+/-0.000	χ^2/NDF : 1089827728.0/21	All: 18.421+/-0.000	χ^2/NDF : 57454757539.7
Right Out: 19.871+/-0.000	χ^2/NDF : 11324266794.7/18	- sign 18.488+/-0.000	χ^2/NDF : 29226375027.6/38
Left In: 17.928+/-0.000	χ^2/NDF : 899450508.2/19		

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

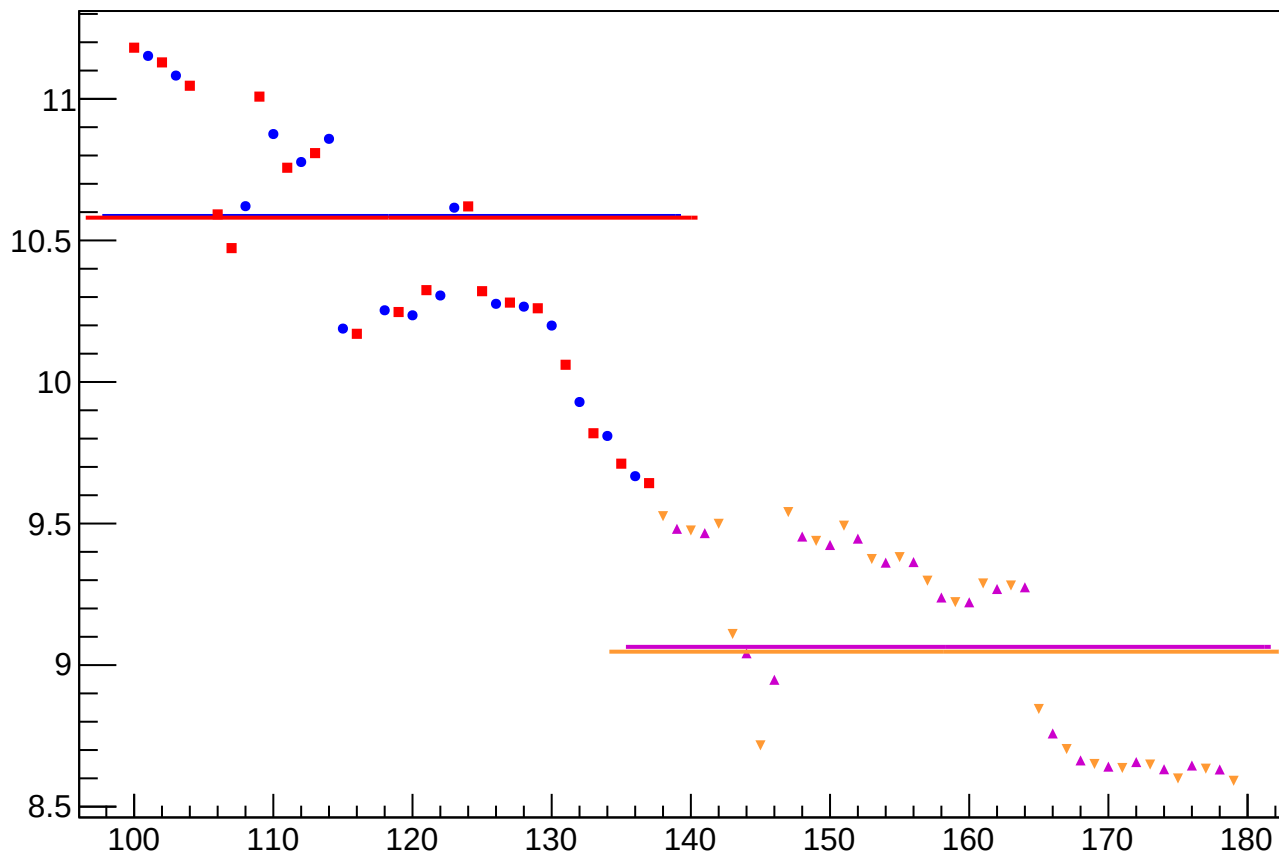
Left In: 0.031+/-0.000 χ^2/NDF : 439513.5/19

+ sign 0.030+/-0.000 χ^2/NDF : 1891450.2/38

All: 0.031+/-0.000 χ^2/NDF : 3521927.9/77

- sign 0.031+/-0.000 χ^2/NDF : 1629606.3/38

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

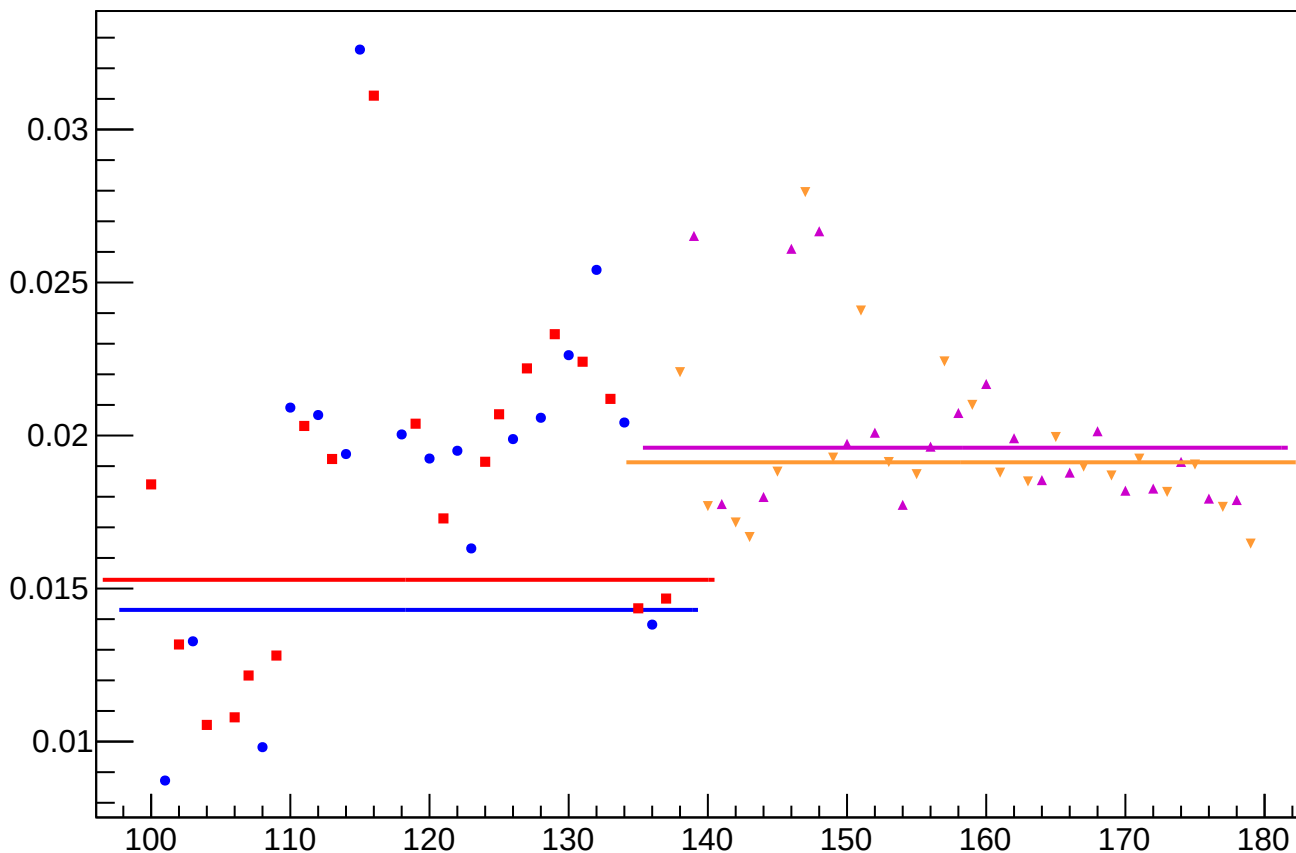
Left In: 9.064 $\pm$ 0.000 χ^2 /NDF: 4222255034.3/19

+ sign 9.642 $\pm$ 0.000 χ^2 /NDF: 50729756461.8/38

All: 9.662 $\pm$ 0.000 χ^2 /NDF: 95166206031.3/7

- sign 9.682 $\pm$ 0.000 χ^2 /NDF: 44384957530.4/38

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 381886.5/21

Right Out: 0.015+/-0.000 χ^2/NDF : 989017.0/18

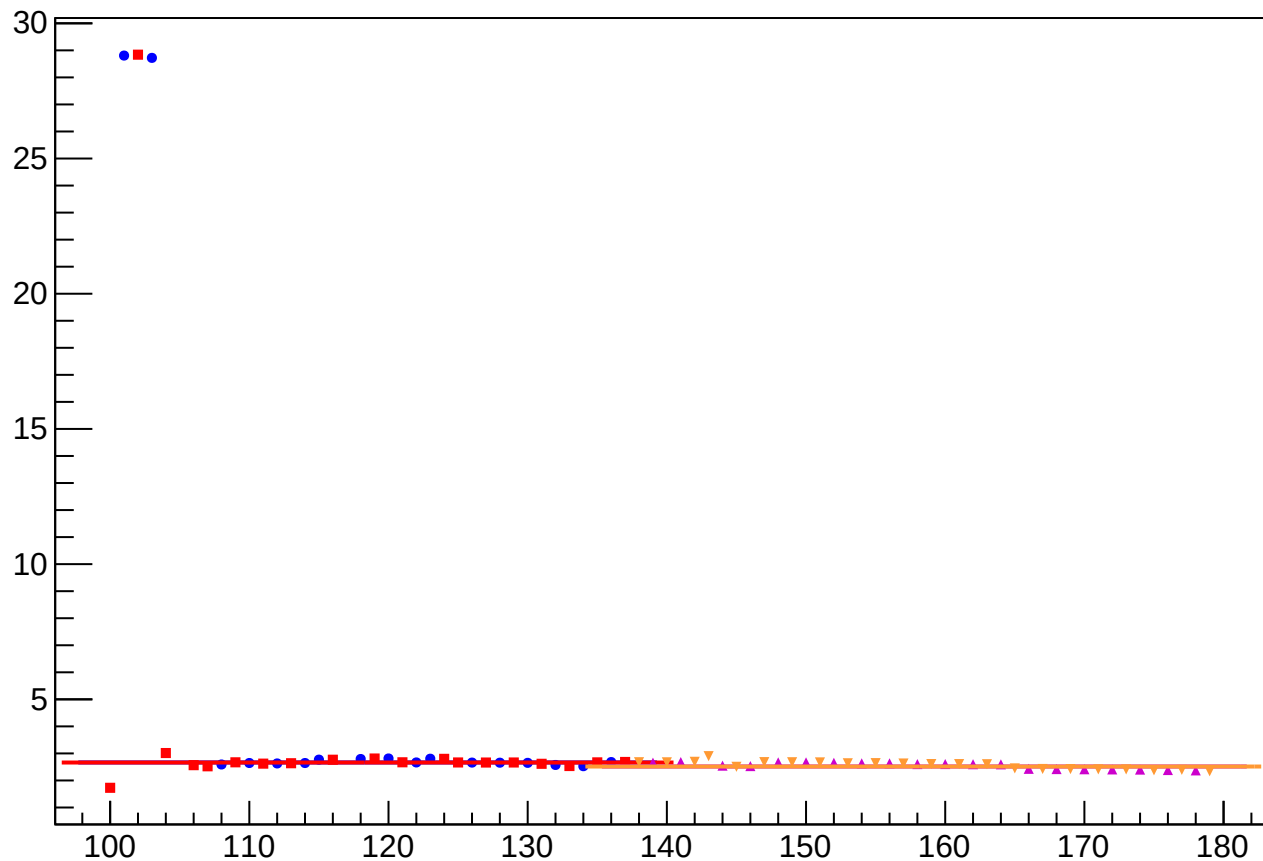
Left In: 0.020+/-0.000 χ^2/NDF : 406896.2/19

+ sign 0.017+/-0.000 χ^2/NDF : 2532820.3/38

All: 0.018+/-0.000 χ^2/NDF : 4508099.7/77

- sign 0.018+/-0.000 χ^2/NDF : 1953434.6/38

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

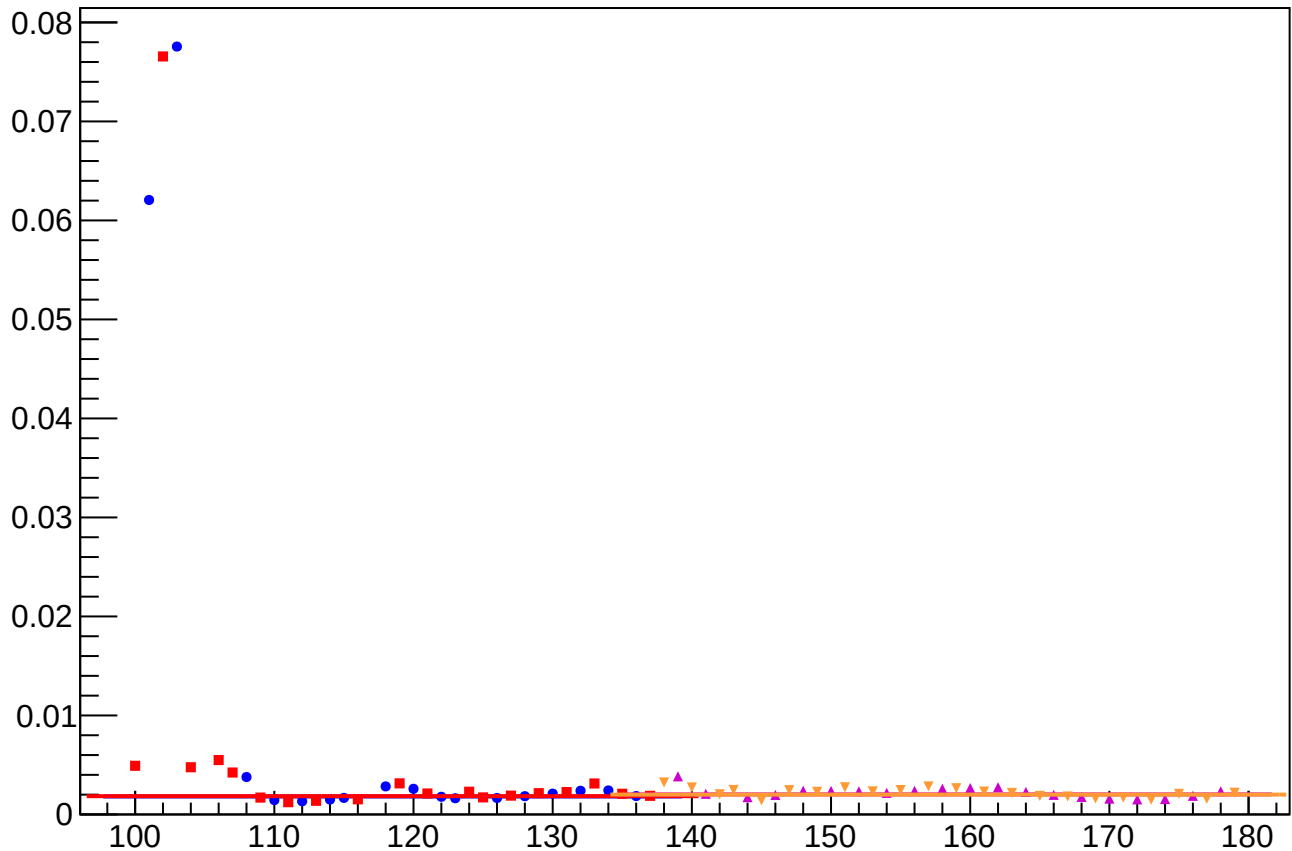
Left In: 2.517 ± 0.000 χ^2/NDF : 37642221339.2/19

+ sign 2.559 ± 0.000 χ^2/NDF : 240767829045.3/38

All: 2.561 ± 0.000 χ^2/NDF : 369724236685.4

- sign 2.563 ± 0.000 χ^2/NDF : 128918038402.6/38

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

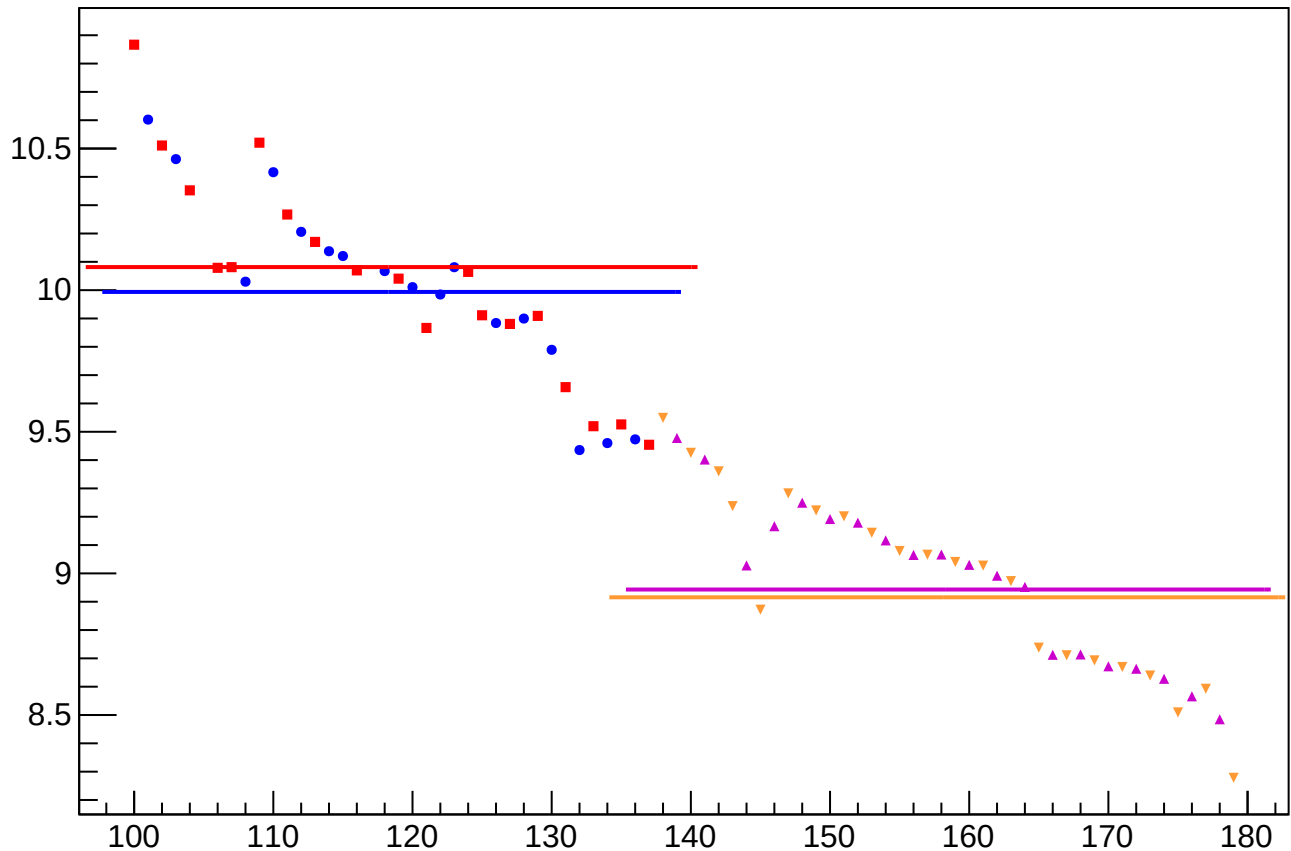
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1147250.8/19

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4083928.0/38

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7625305.5/77

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3540041.7/38

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

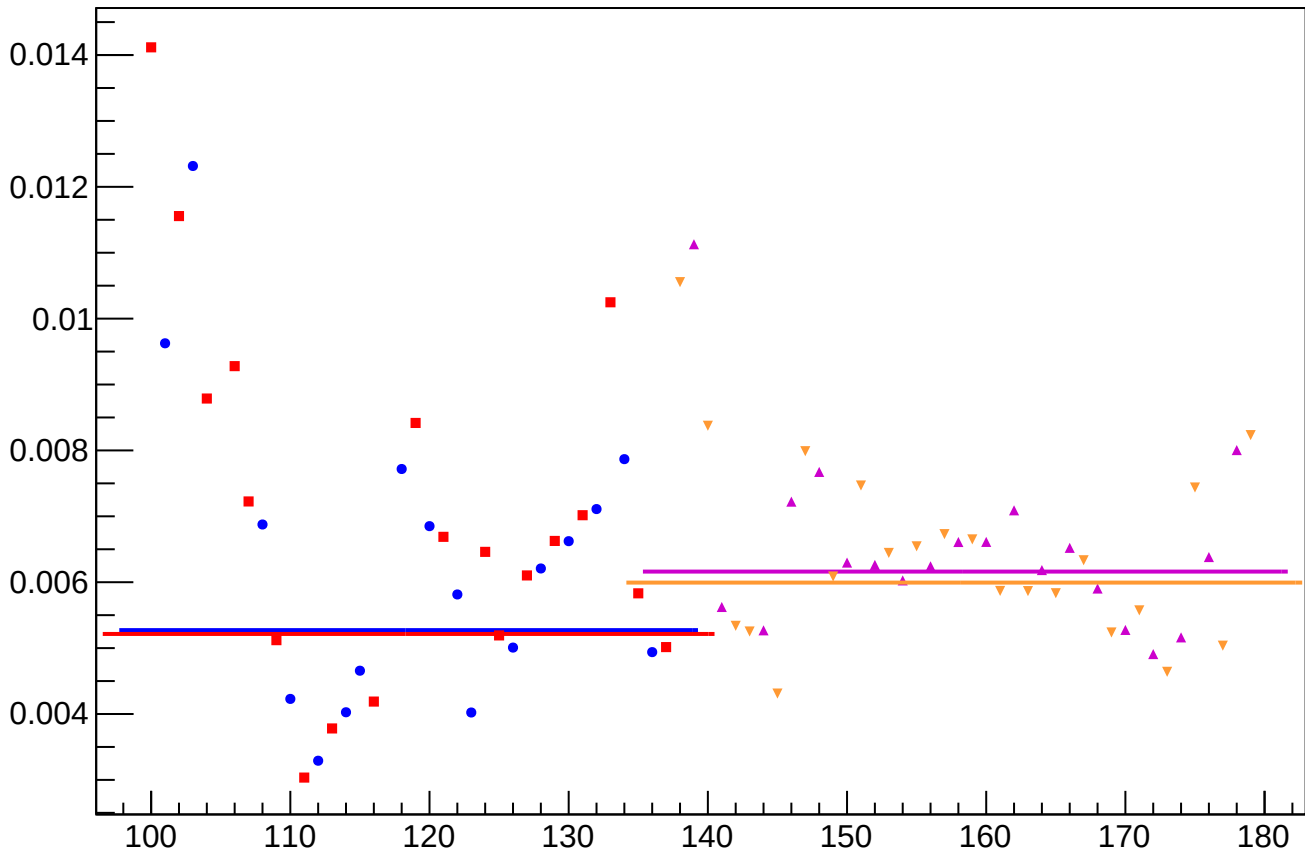
Left In: 8.943 $\pm$ 0.000 χ^2 /NDF: 22721399402.7/19

+ sign 9.271 $\pm$ 0.000 χ^2 /NDF: 188988164965.3/38

All: 9.315 $\pm$ 0.000 χ^2 /NDF: 386746407112.0

- sign 9.363 $\pm$ 0.000 χ^2 /NDF: 195486285262.8/38

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 1041366.8/21

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

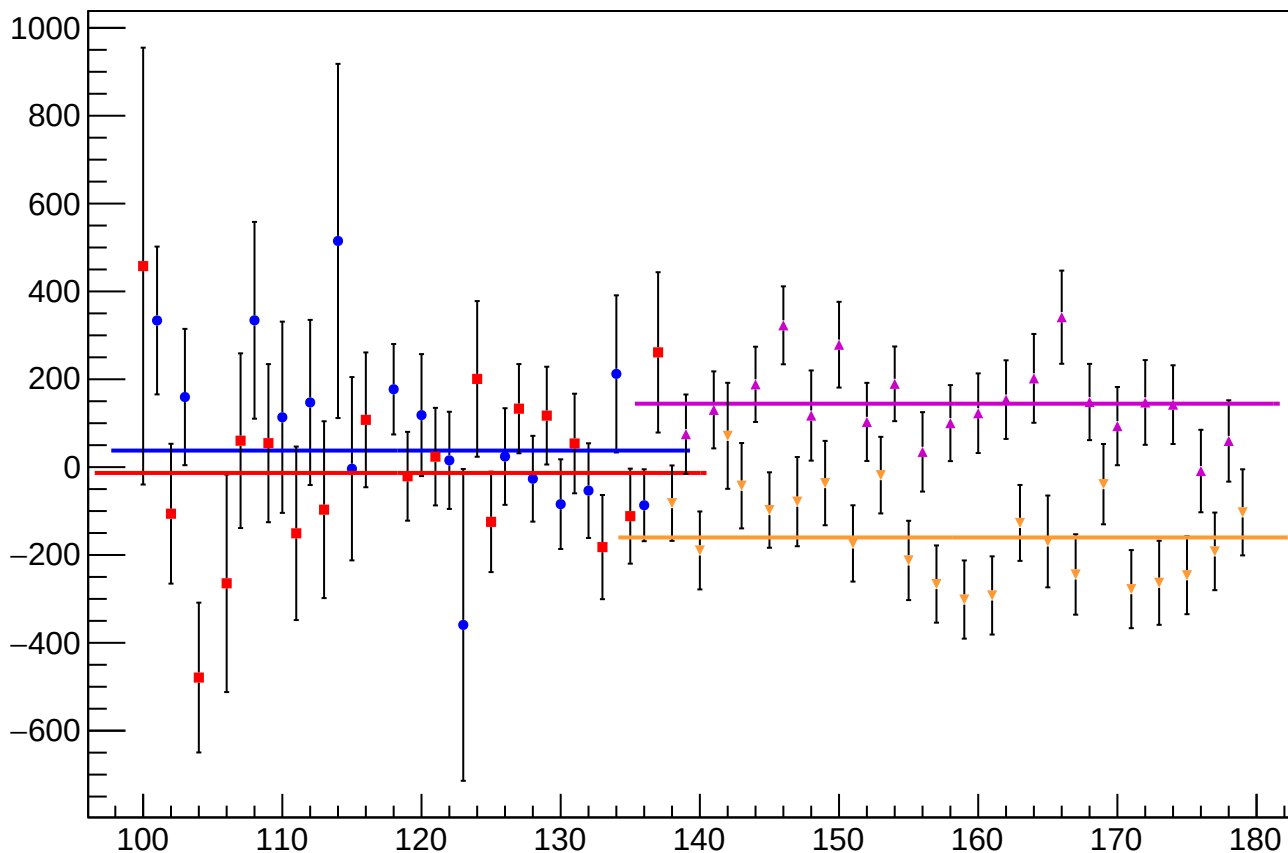
Left In: 0.006+/-0.000 χ^2/NDF : 676869.7/19

+ sign 0.006+/-0.000 χ^2/NDF : 2413136.5/38

All: 0.006+/-0.000 χ^2/NDF : 4966983.8/77

- sign 0.006+/-0.000 χ^2/NDF : 2552194.5/38

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 $\chi^2/\text{NDF}: 22.7/18$

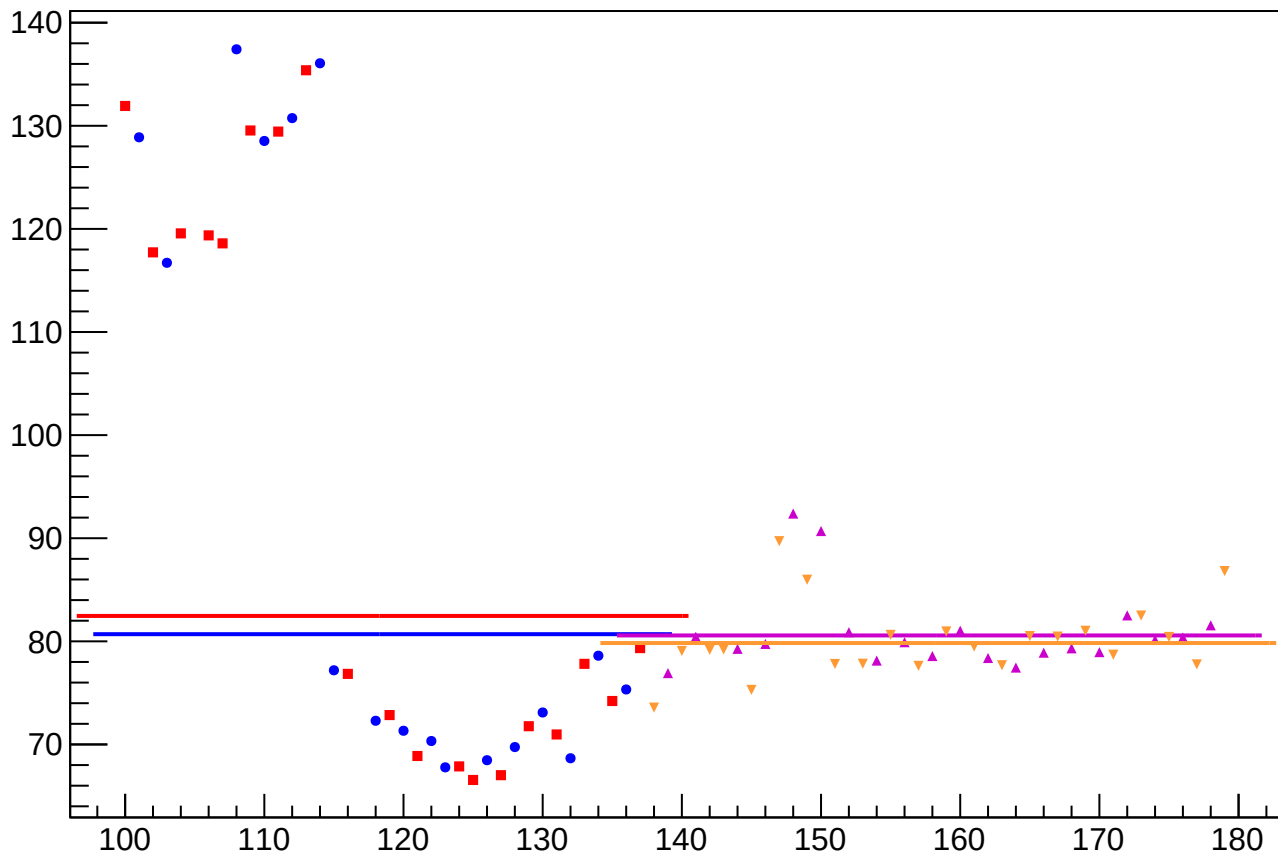
Left In: 144.432 ± 20.450 $\chi^2/\text{NDF}: 16.8/19$

+ sign -106.799 ± 16.741 $\chi^2/\text{NDF}: 69.4/38$

All: -7.014 ± 12.011 $\chi^2/\text{NDF}: 199.3/77$

- sign 98.833 ± 17.242 $\chi^2/\text{NDF}: 56.7/38$

reg_asym_sam1_rms vs Slug



Right In: 80.694 ± 0.023 χ^2/NDF : 814026.4/16

Left Out: 79.836 ± 0.014 χ^2/NDF : 62544.9/21

Right Out: 82.464 ± 0.023 χ^2/NDF : 914878.0/18

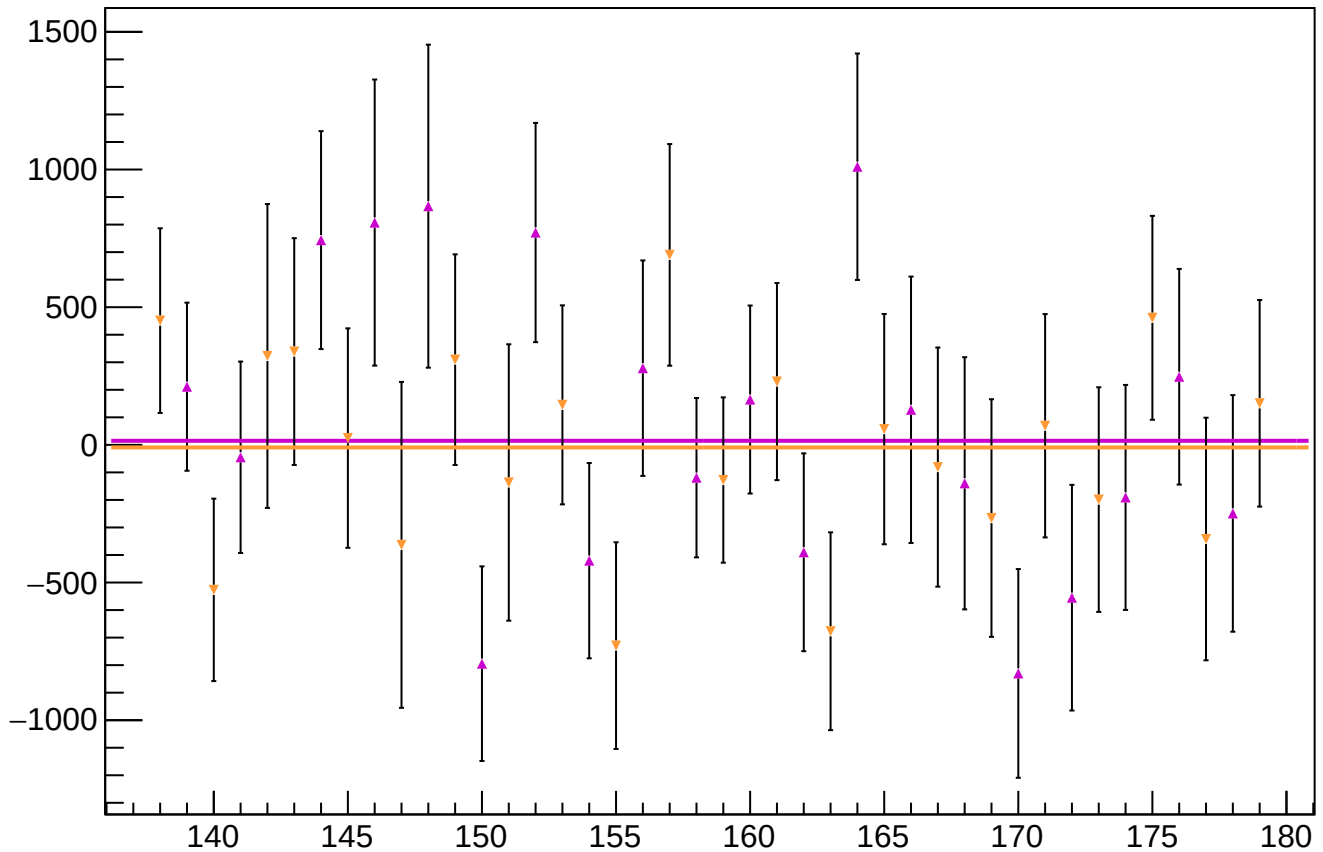
Left In: 80.572 ± 0.014 χ^2/NDF : 60607.0/19

+ sign 80.067 ± 0.012 χ^2/NDF : 877605.8/38

All: 80.578 ± 0.008 χ^2/NDF : 1861868.1/77

- sign 81.119 ± 0.012 χ^2/NDF : 980430.1/38

asym_sam1_correction_mean vs Slug



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

Left Out: -9.345+/-83.697 χ^2/NDF : 20.5/21

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

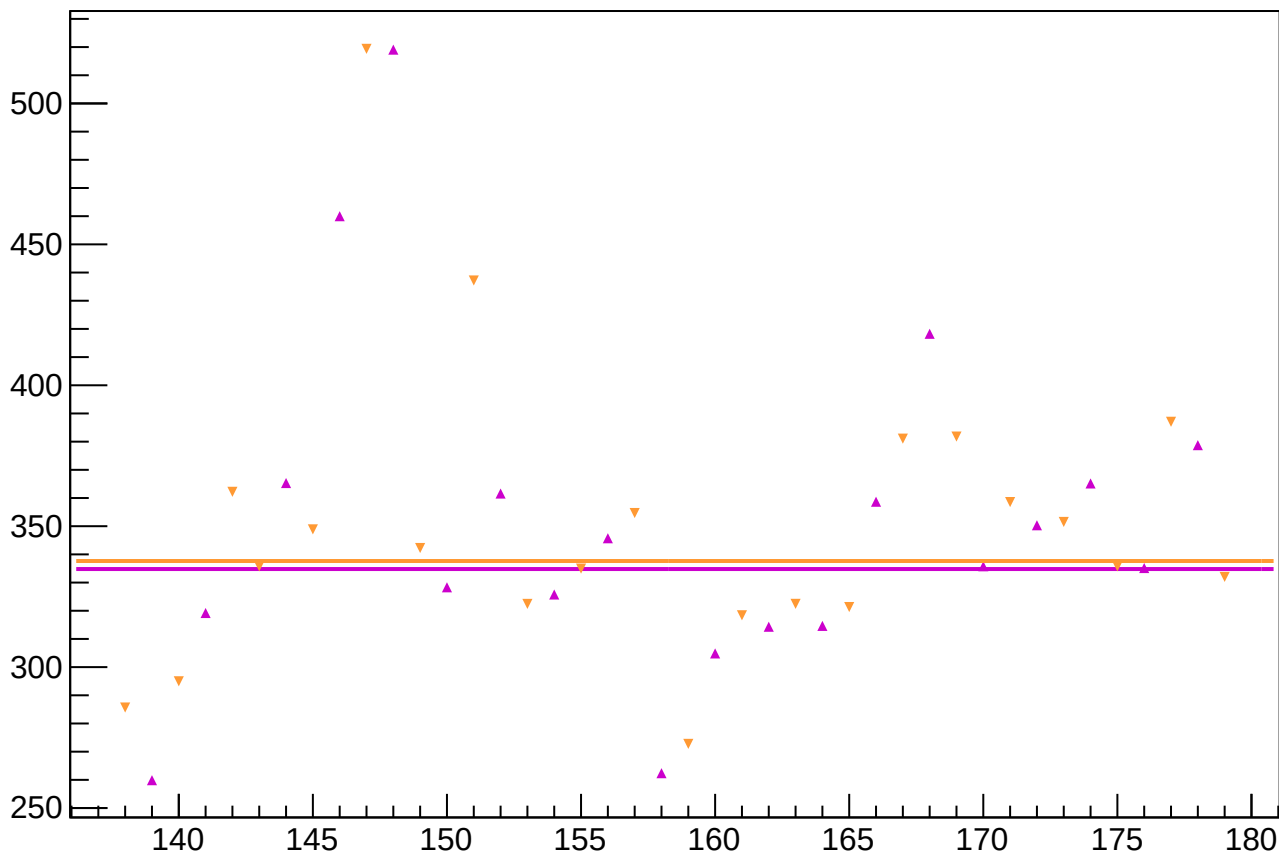
Left In: 14.743+/-86.108 χ^2/NDF : 34.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2.357+/-60.017 χ^2/NDF : 55.2/41

- sign 0.000+/-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

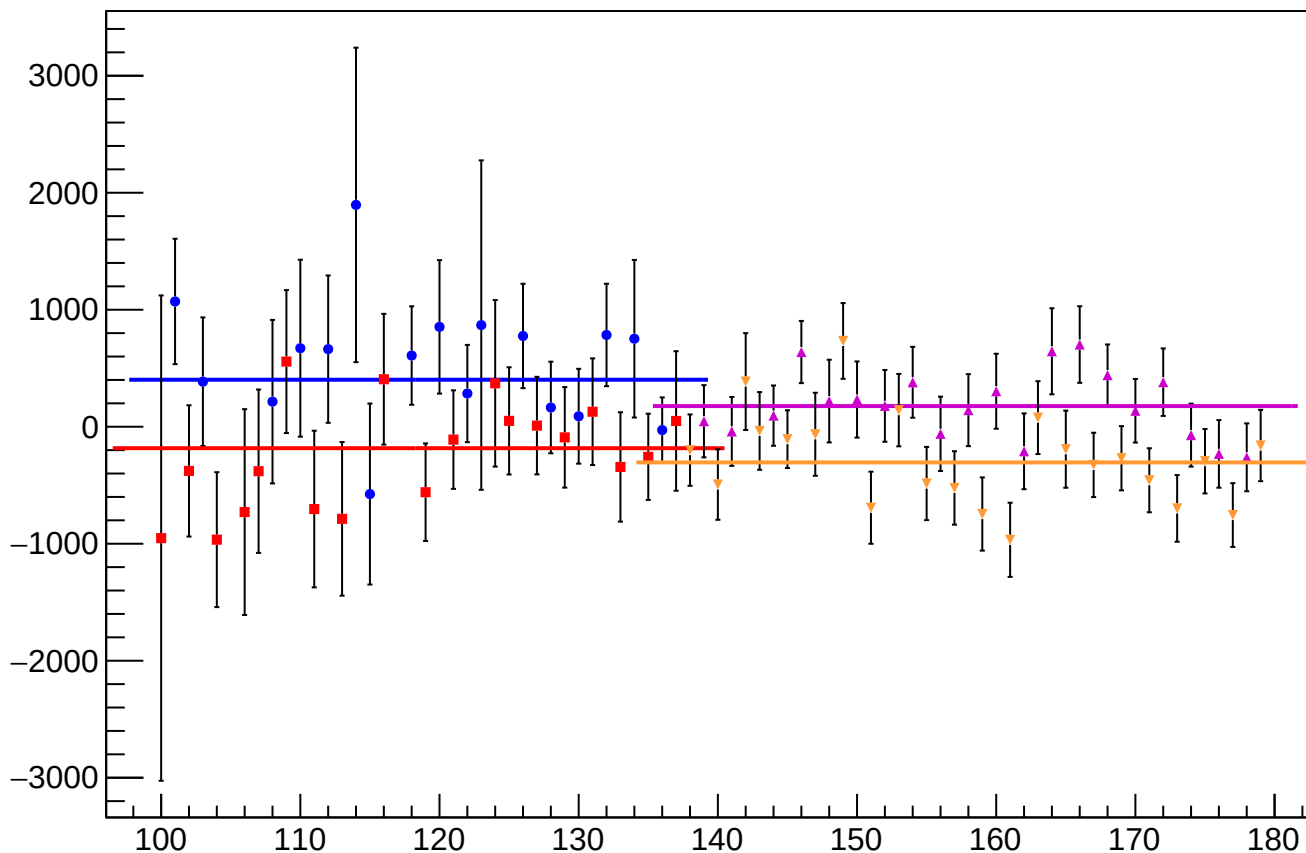
Left In: 334.801+/-0.061 χ^2/NDF :720773.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 336.267+/-0.042 χ^2/NDF : 1263541.2/41

- 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

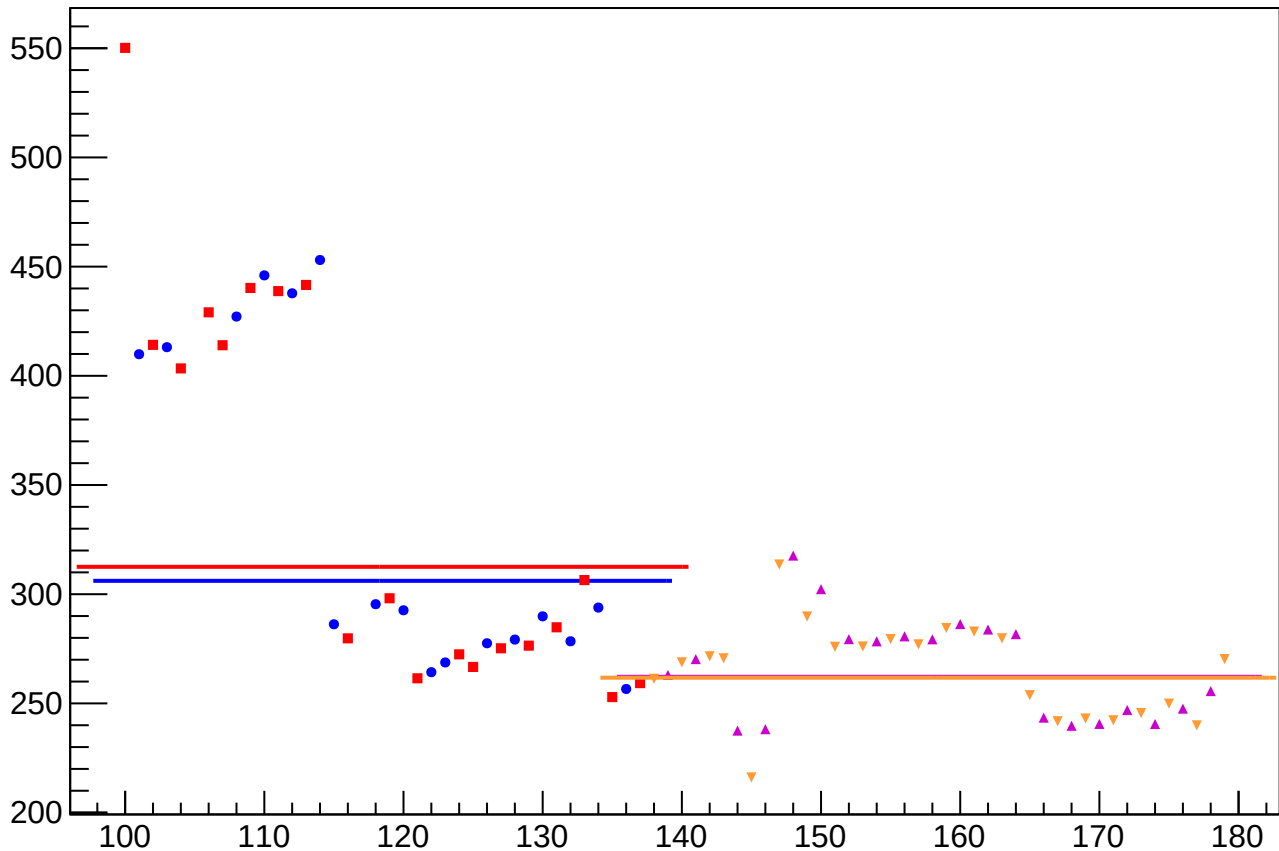
Left In: 176.535 $\pm$ 66.746 χ^2/NDF :17.4/19

+ sign -149.088 $\pm$ 56.847 χ^2/NDF : 70.5/38

All: -31.807 $\pm$ 40.724 χ^2/NDF : 112.8/77

- sign 91.837 $\pm$ 58.369 χ^2/NDF : 33.5/38

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

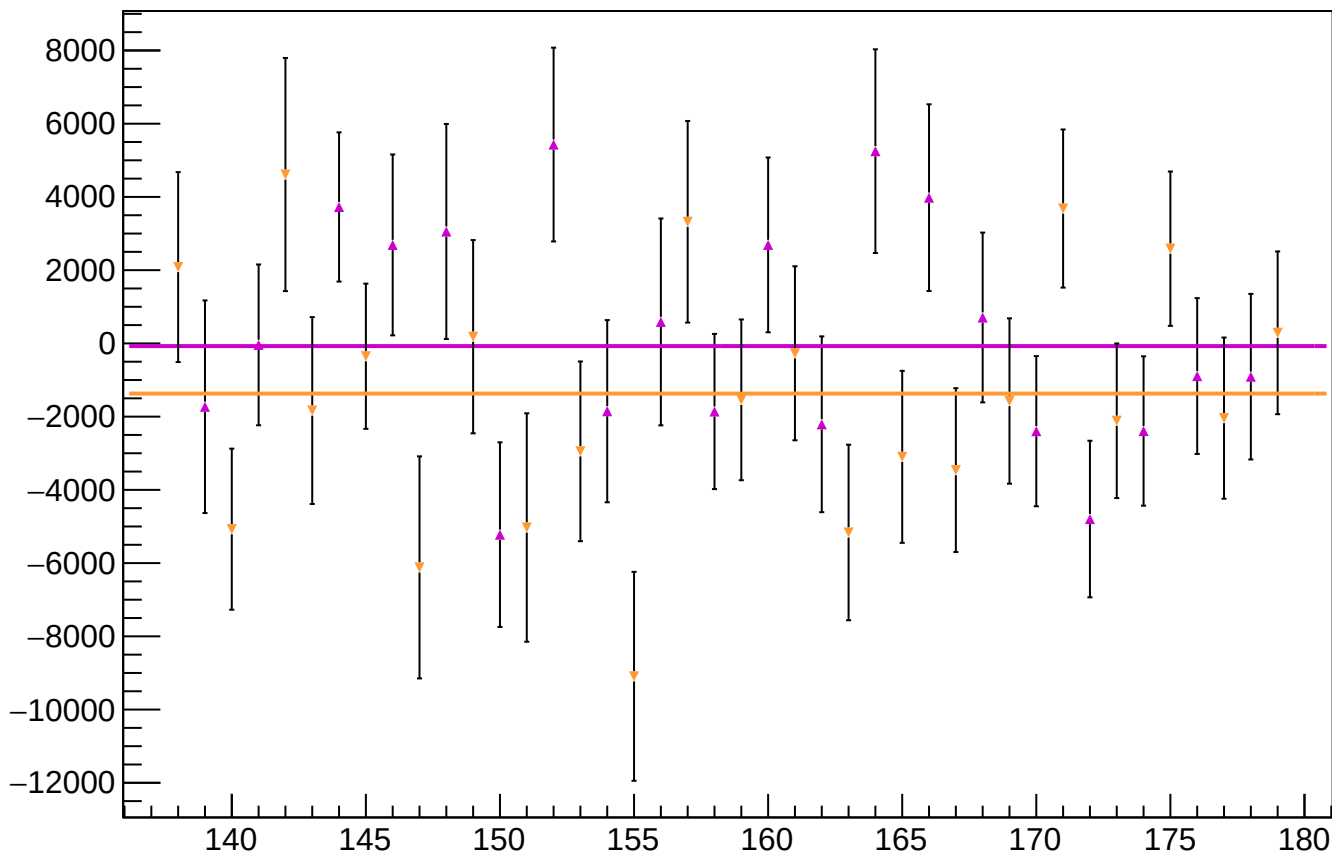
Left In: 262.182+/-0.047 χ^2/NDF : 225249.8/19

+ sign 271.547+/-0.040 χ^2/NDF : 949217.1/38

All: 272.755+/-0.029 χ^2/NDF : 2069961.8/77

- sign 274.030+/-0.041 χ^2/NDF : 1118886.7/38

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

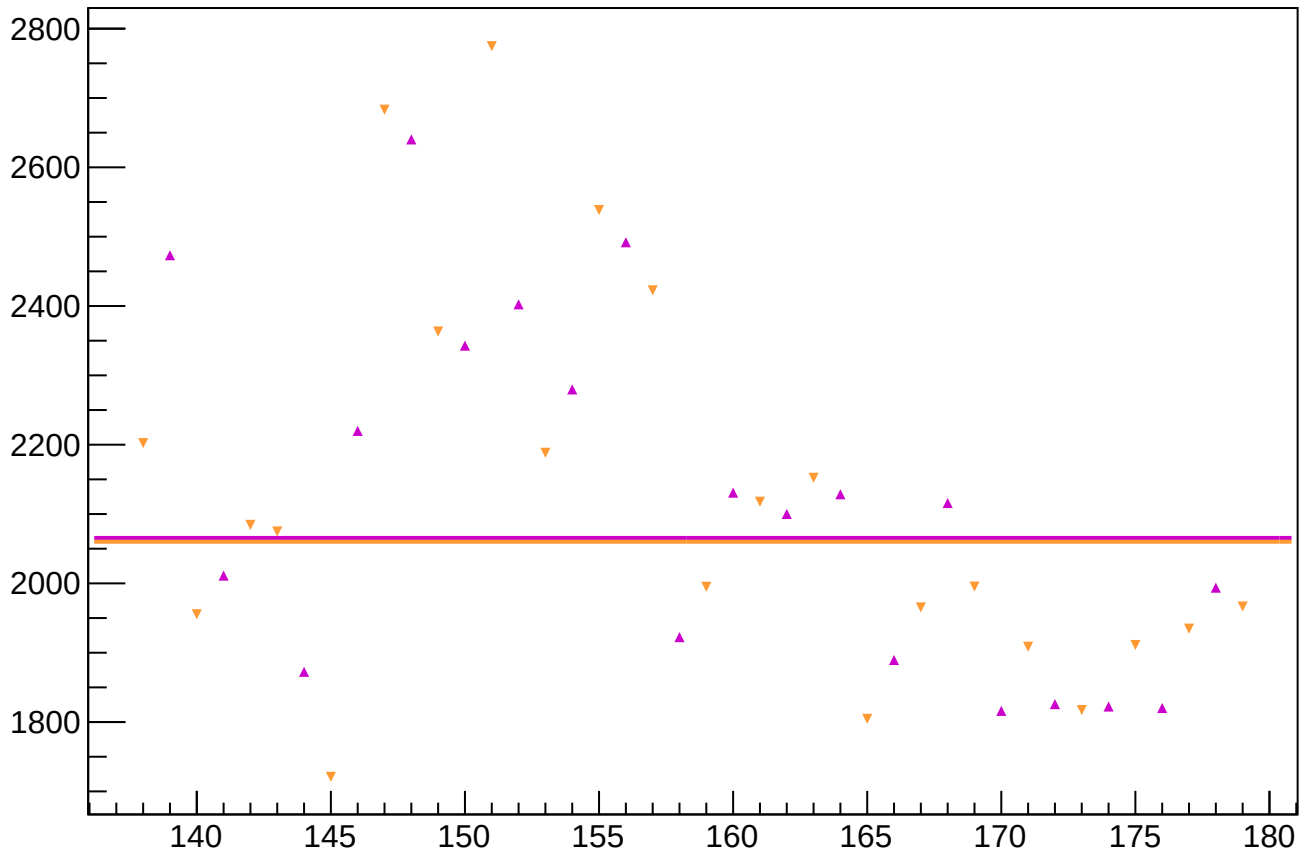
Left In: -73.627+/-527.931 χ^2/NDF :32.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -744.510+/-366.751 χ^2/NDF : 72.4/41

- 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

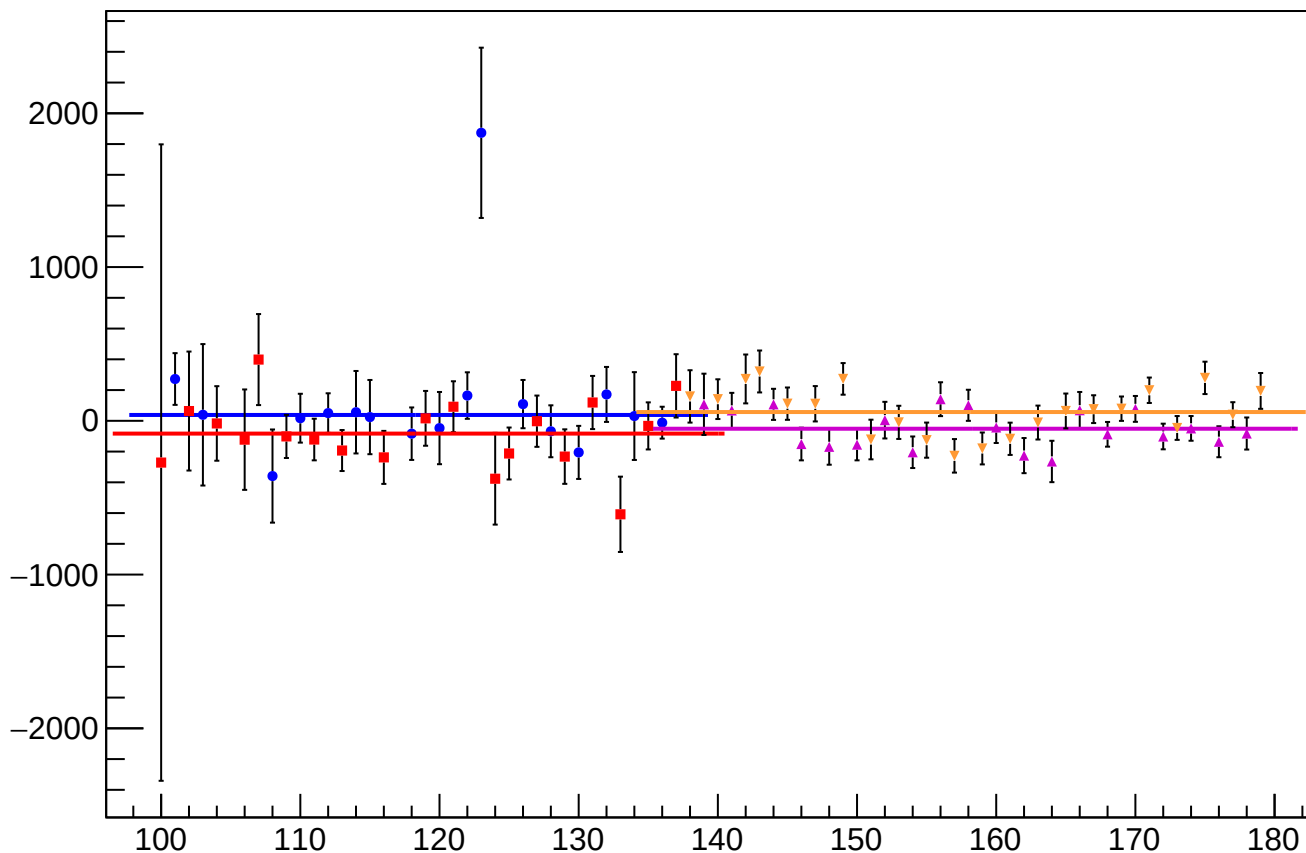
Left In: 2065.543+/-0.373 χ^2/NDF : 394278.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2062.717+/-0.259 χ^2/NDF : 866812.9/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_mean vs Slug



Right In: 38.126 ± 43.548 $\chi^2/\text{NDF}: 19.4/16$

Left Out: 57.141 ± 22.317 $\chi^2/\text{NDF}: 42.0/21$

Right Out: -83.101 ± 43.098 $\chi^2/\text{NDF}: 16.7/18$

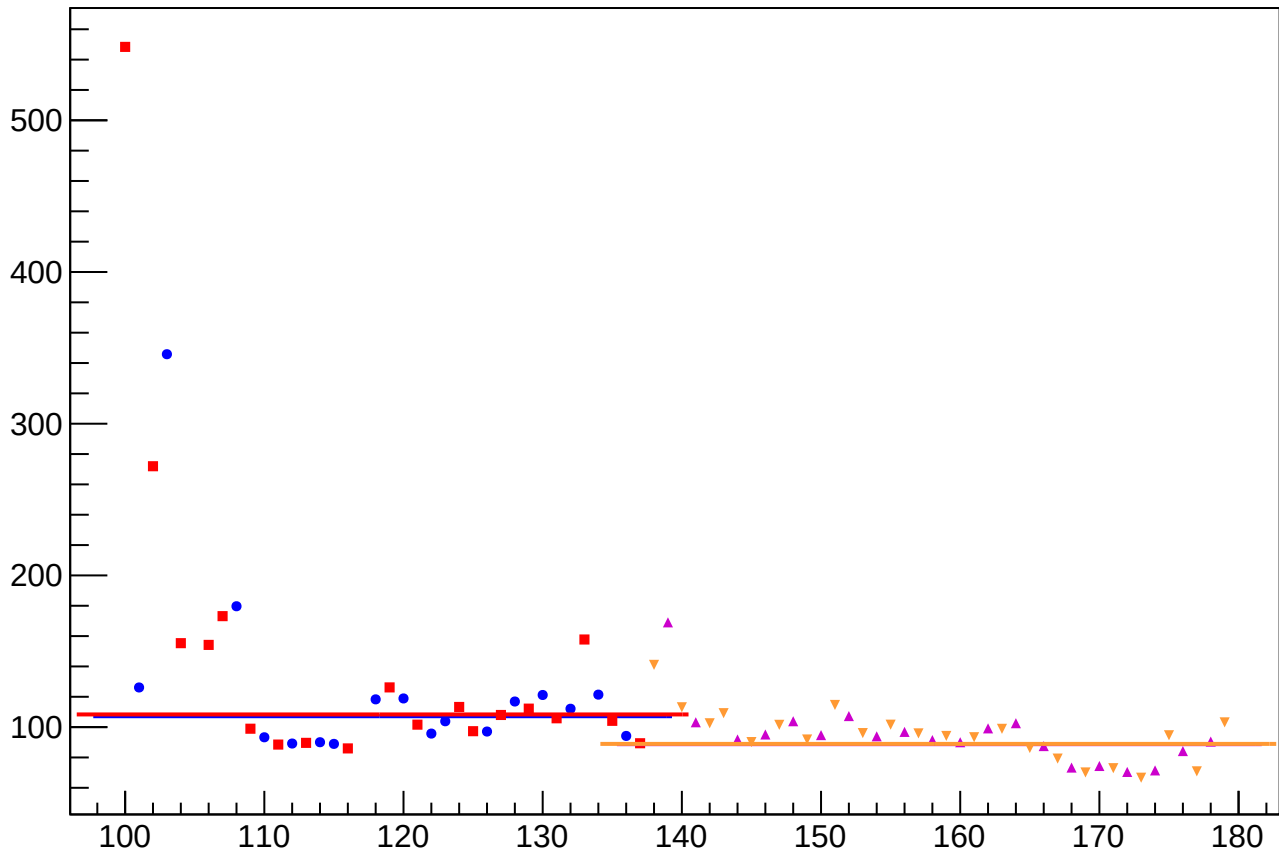
Left In: -51.444 ± 23.005 $\chi^2/\text{NDF}: 24.4/19$

+ sign 53.186 ± 19.861 $\chi^2/\text{NDF}: 61.5/38$

All: -1.432 ± 14.195 $\chi^2/\text{NDF}: 118.6/77$

- sign -58.464 ± 20.295 $\chi^2/\text{NDF}: 41.6/38$

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

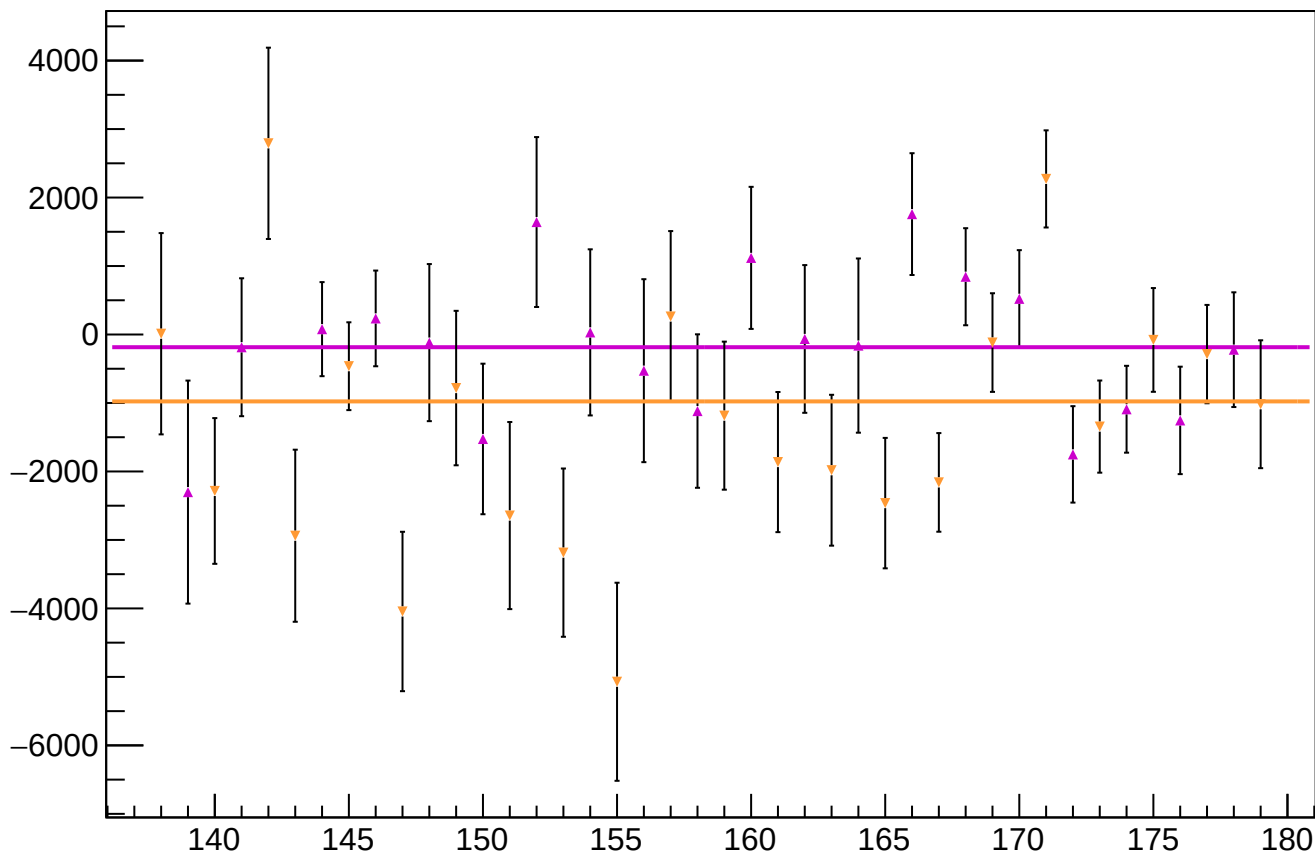
Left In: 88.759 $\pm$ 0.016 χ^2 /NDF: 835853.5/19

+ sign 92.735 $\pm$ 0.014 χ^2 /NDF: 2119866.1/38

All: 92.916 $\pm$ 0.010 χ^2 /NDF: 4195260.3/77

- sign 93.105 $\pm$ 0.014 χ^2 /NDF: 2075053.8/38

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

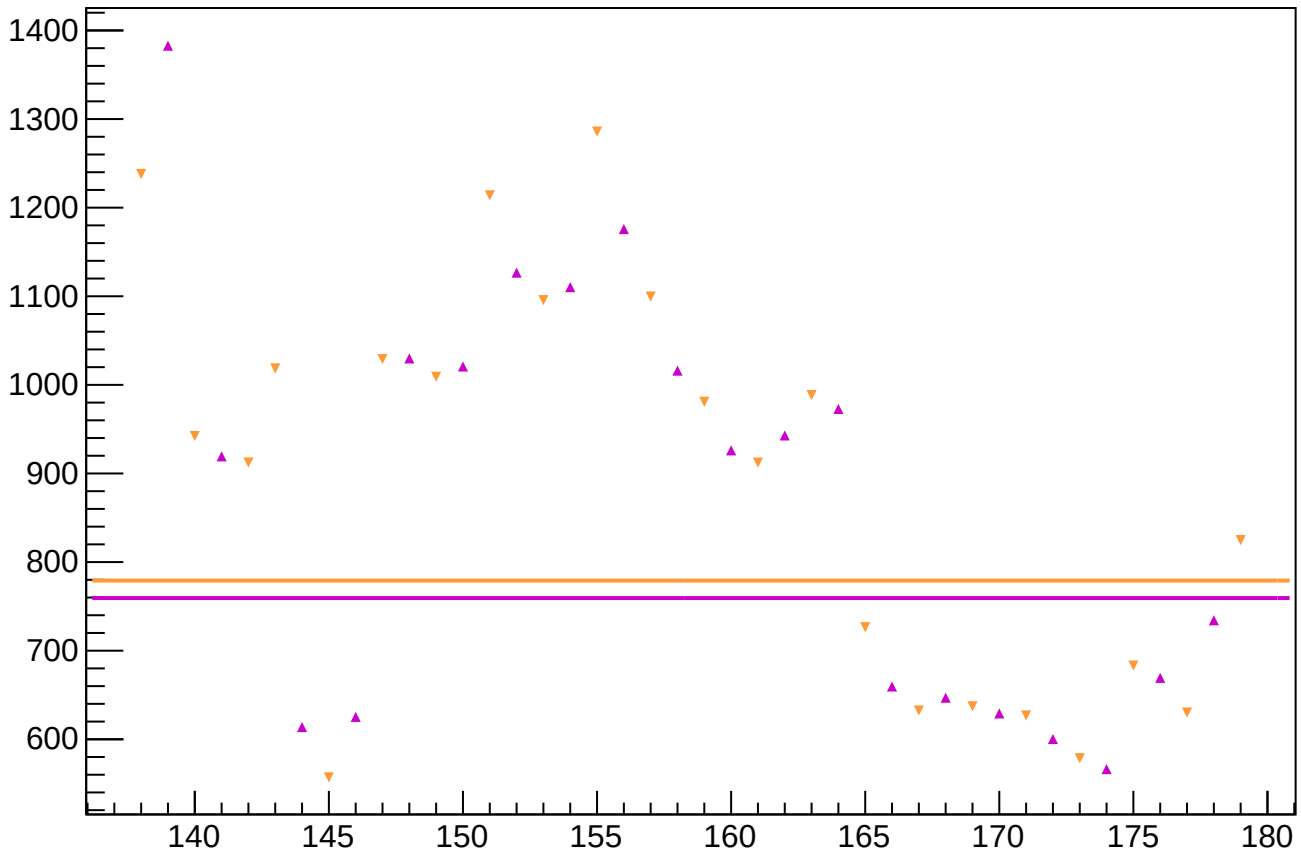
Left In: -185.371+/-199.997 χ^2/NDF : 25.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -584.171+/-140.877 χ^2/NDF : 97.7/41

- 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

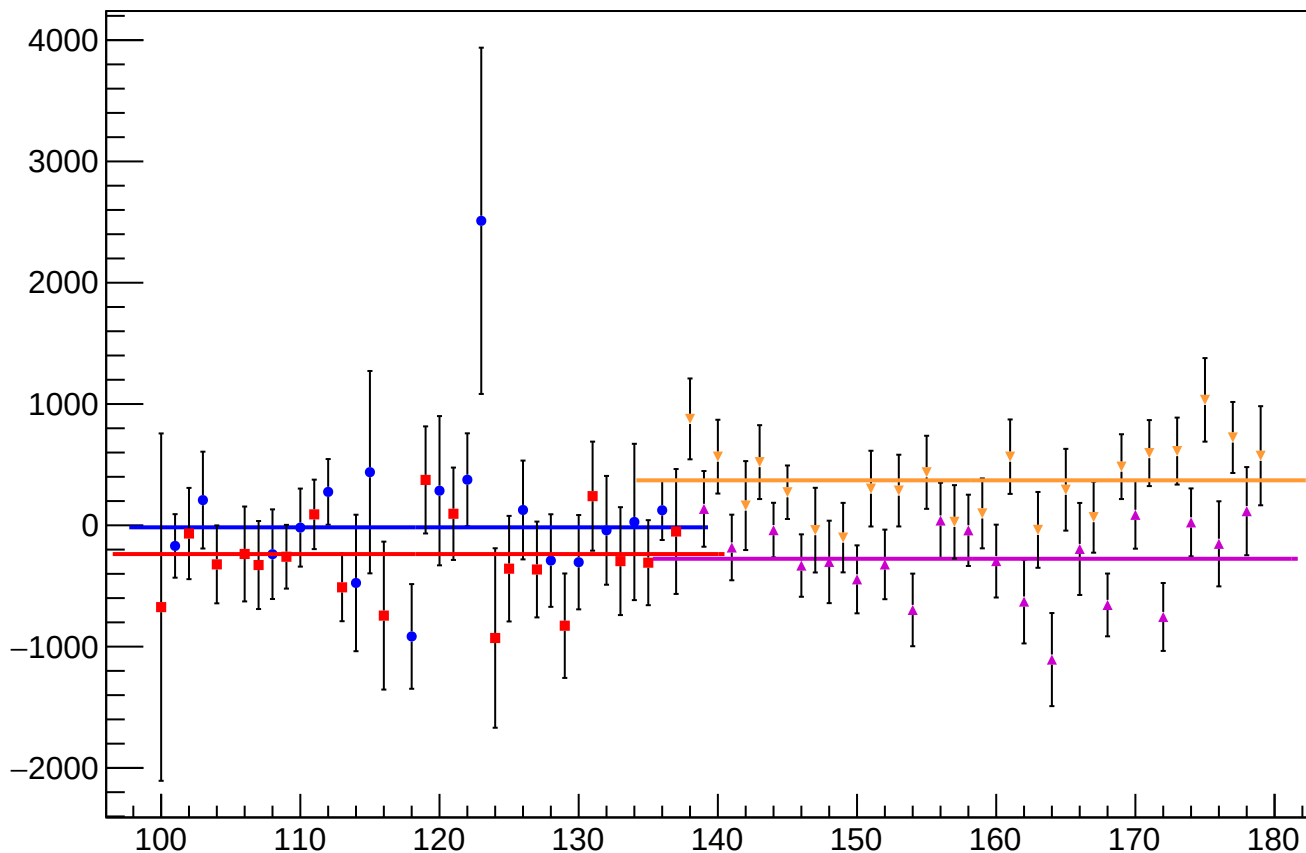
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 769.361+/-0.100 χ^2/NDF : 4203572.3/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 759.400+/-0.141 χ^2/NDF :1997419.7/19

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

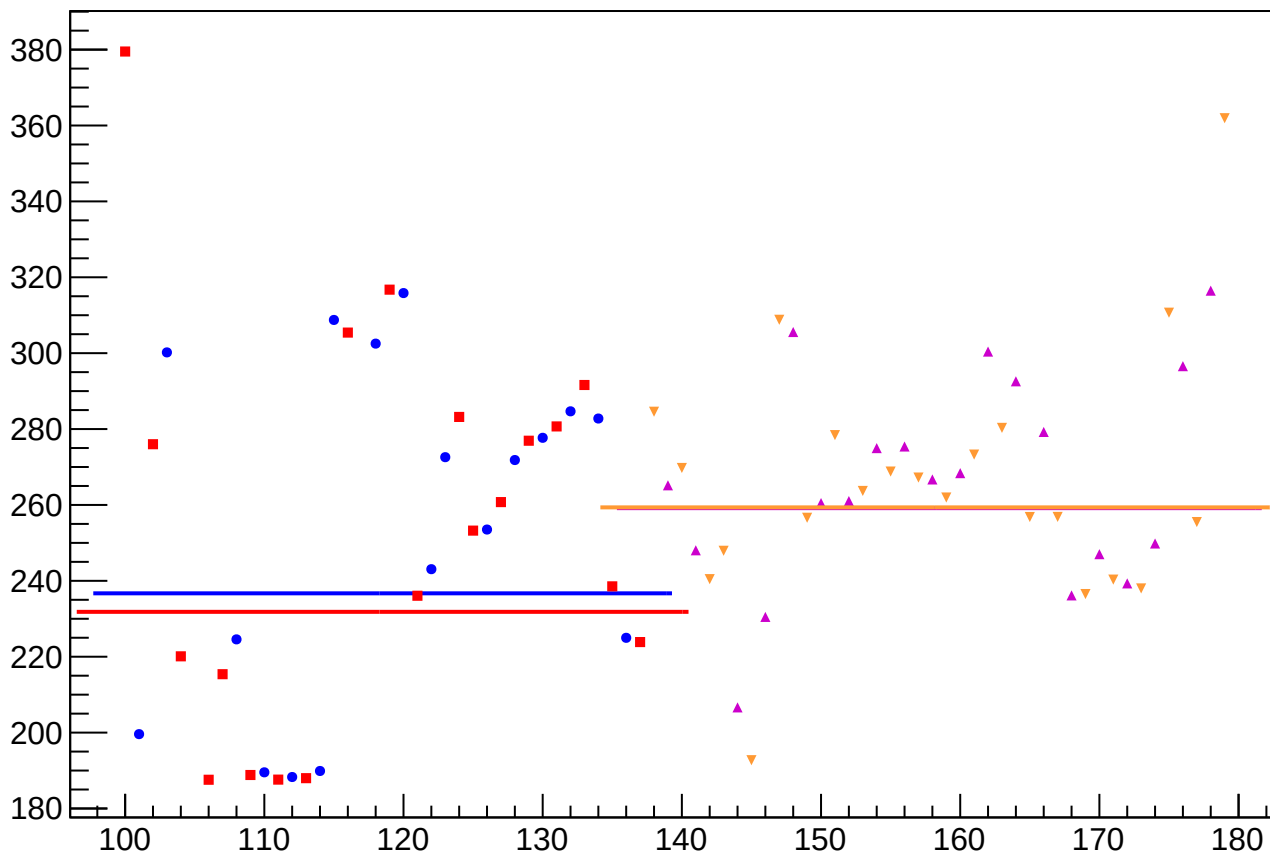
Left In: -275.780 ± 66.295 χ^2/NDF : 22.1/19

+ sign 246.484 ± 52.881 χ^2/NDF : 45.4/38

All: -6.417 ± 37.488 χ^2/NDF : 123.8/77

- sign -261.923 ± 53.153 χ^2/NDF : 32.5/38

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

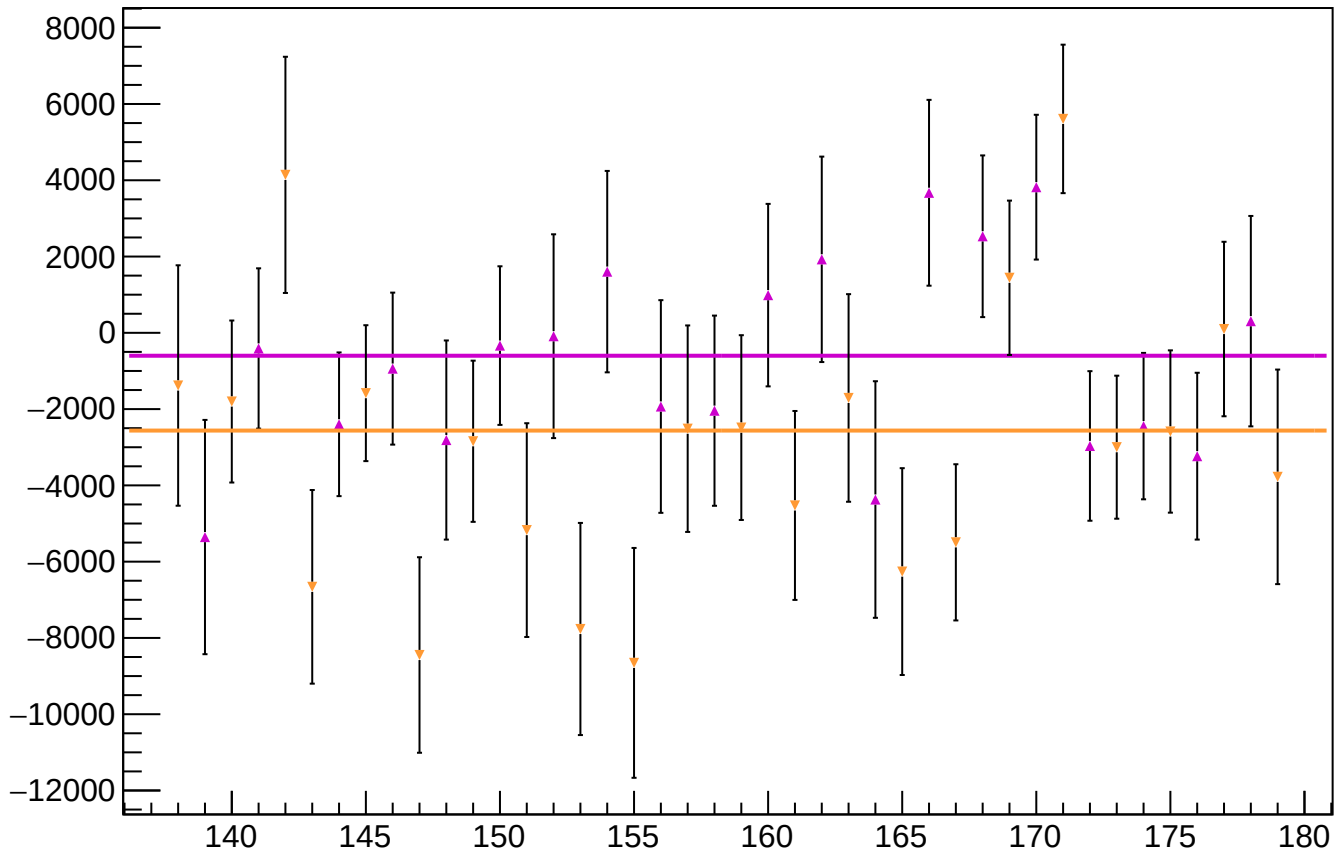
Left In: 259.155 $\pm$ 0.047 χ^2 /NDF: 342781.8/19

+ sign 252.079 $\pm$ 0.037 χ^2 /NDF: 946953.8/38

All: 250.744 $\pm$ 0.027 χ^2 /NDF: 1856954.2/77

- sign 249.395 $\pm$ 0.038 χ^2 /NDF: 907437.0/38

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

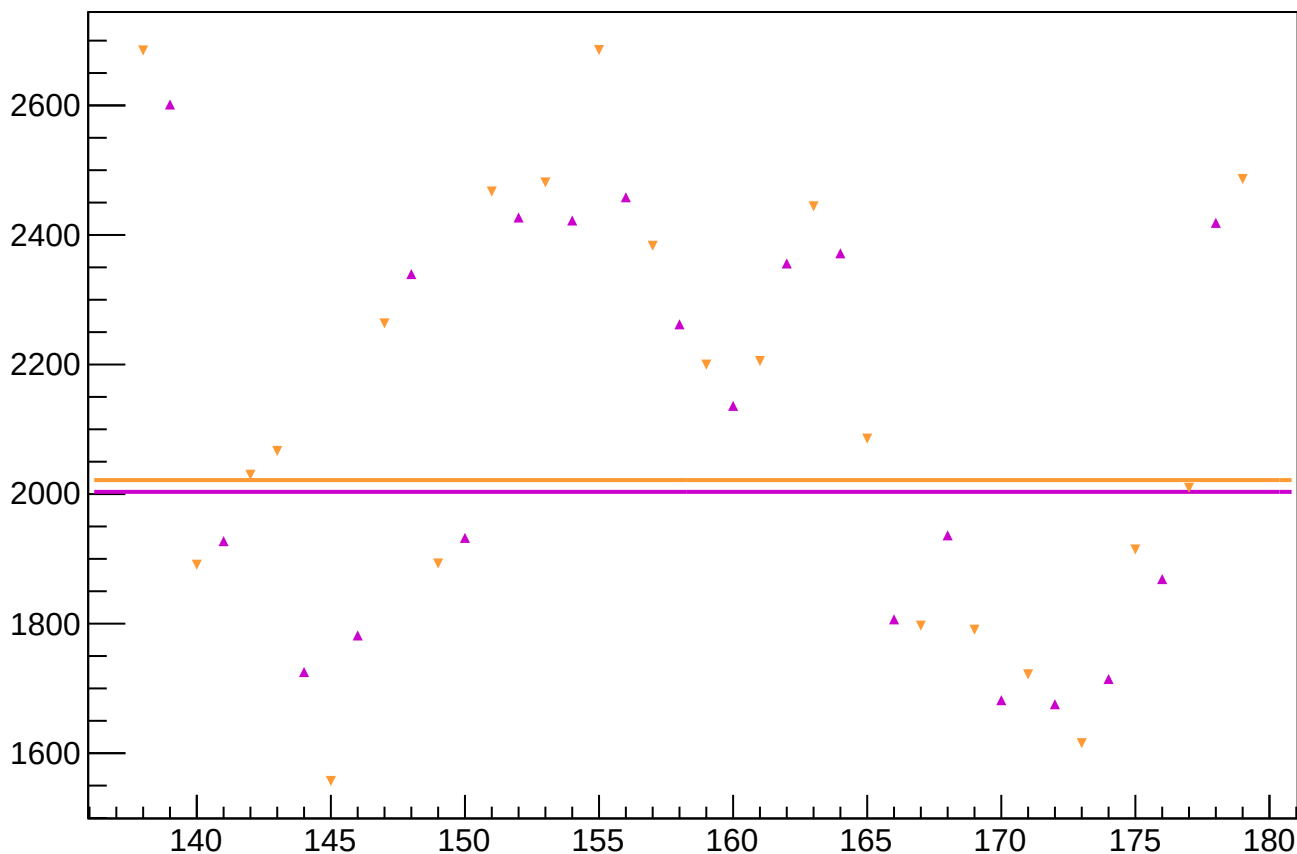
Left In: -600.682+/-514.739 χ^2/NDF : 22.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1604.007+/-359.810 χ^2/NDF : 79.6/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam4_correction_rms vs Slug



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

Left Out: 2021.615 $\pm$ 0.356 χ^2/NDF :818200.7/21

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

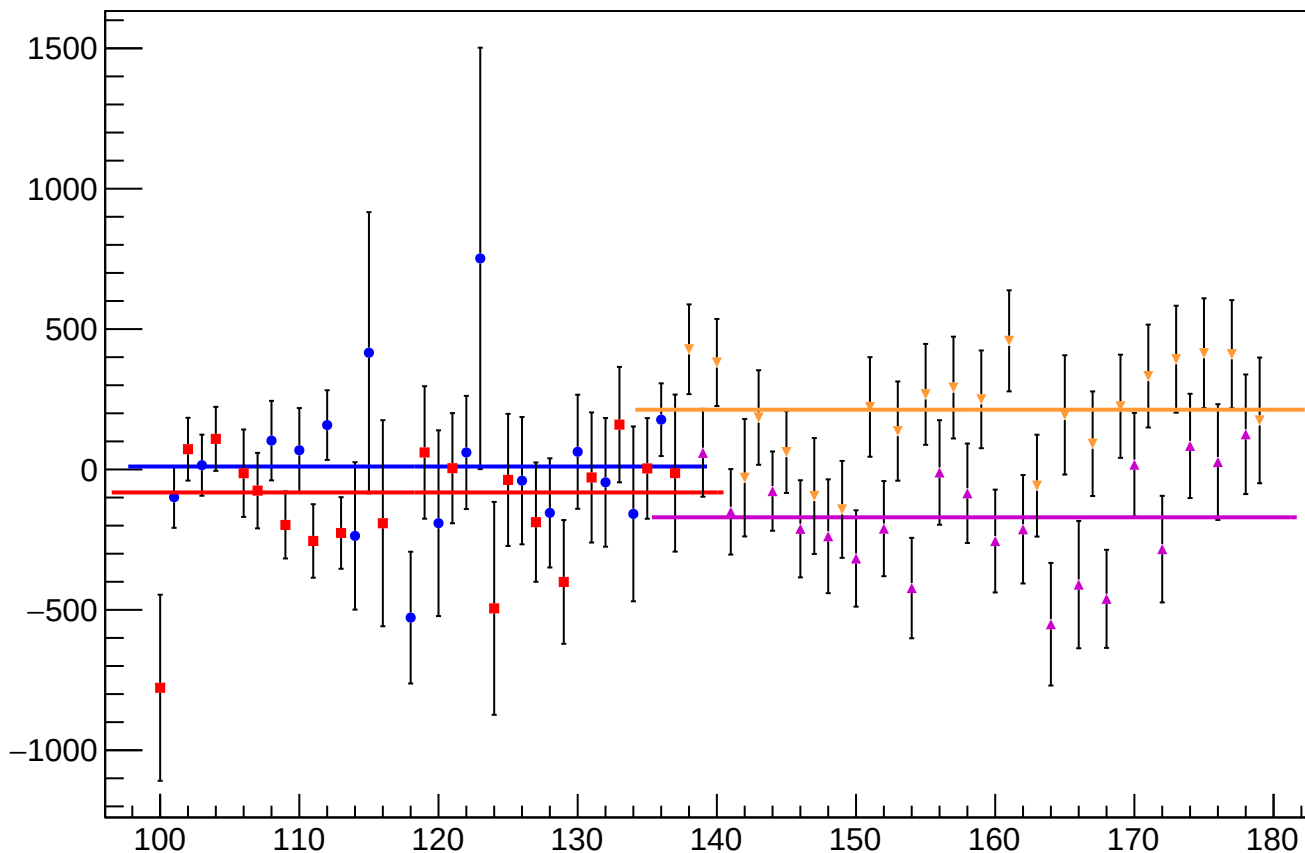
Left In: 2003.422 $\pm$ 0.364 χ^2/NDF :652837.9/19

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

All: 2012.726 $\pm$ 0.254 χ^2/NDF : 1472316.2/41

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

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 χ^2/NDF : 14.1/16

Left Out: 212.884 ± 38.535 χ^2/NDF : 20.4/21

Right Out: -81.802 ± 38.985 χ^2/NDF : 19.2/18

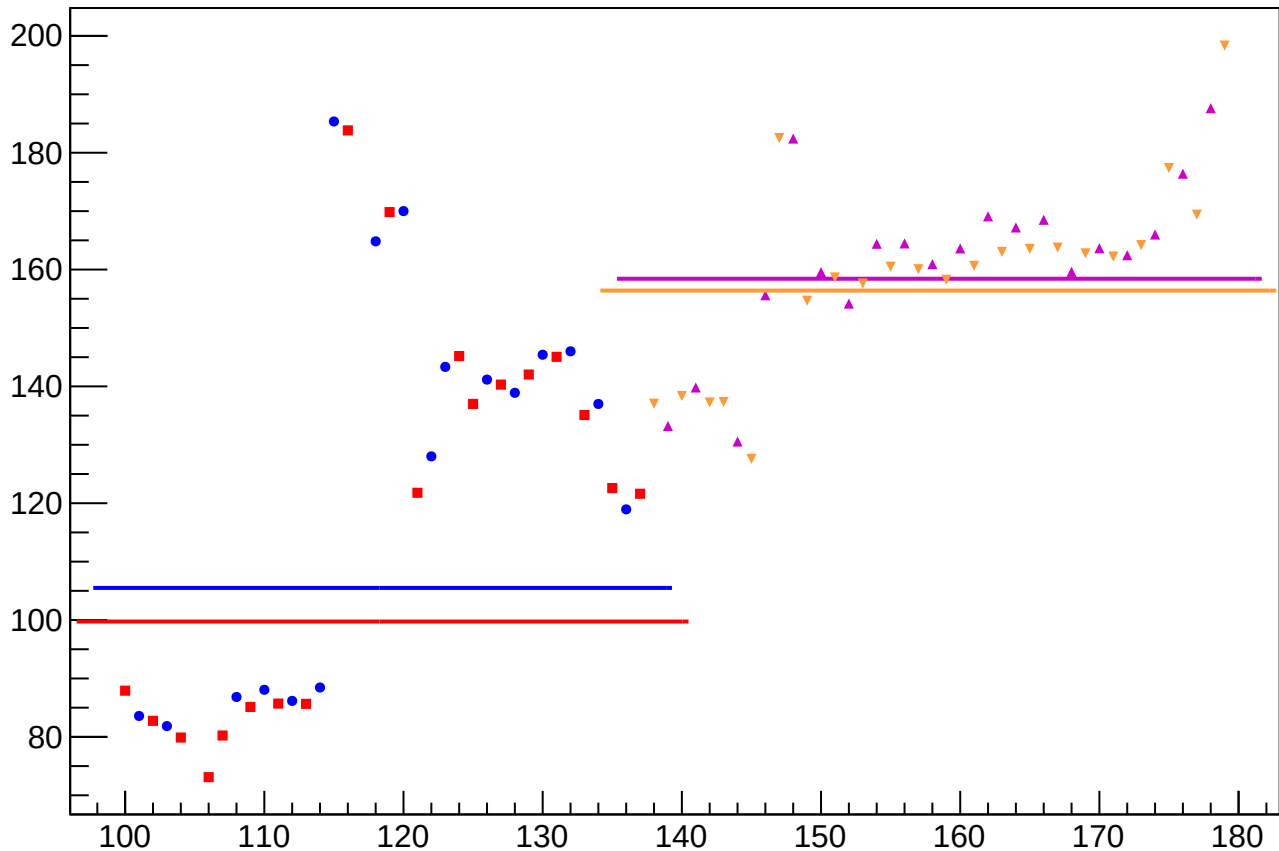
Left In: -170.335 ± 40.348 χ^2/NDF : 19.8/19

+ sign 121.099 ± 28.485 χ^2/NDF : 46.9/38

All: -3.674 ± 19.981 χ^2/NDF : 126.2/77

- sign -124.547 ± 28.036 χ^2/NDF : 41.5/38

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

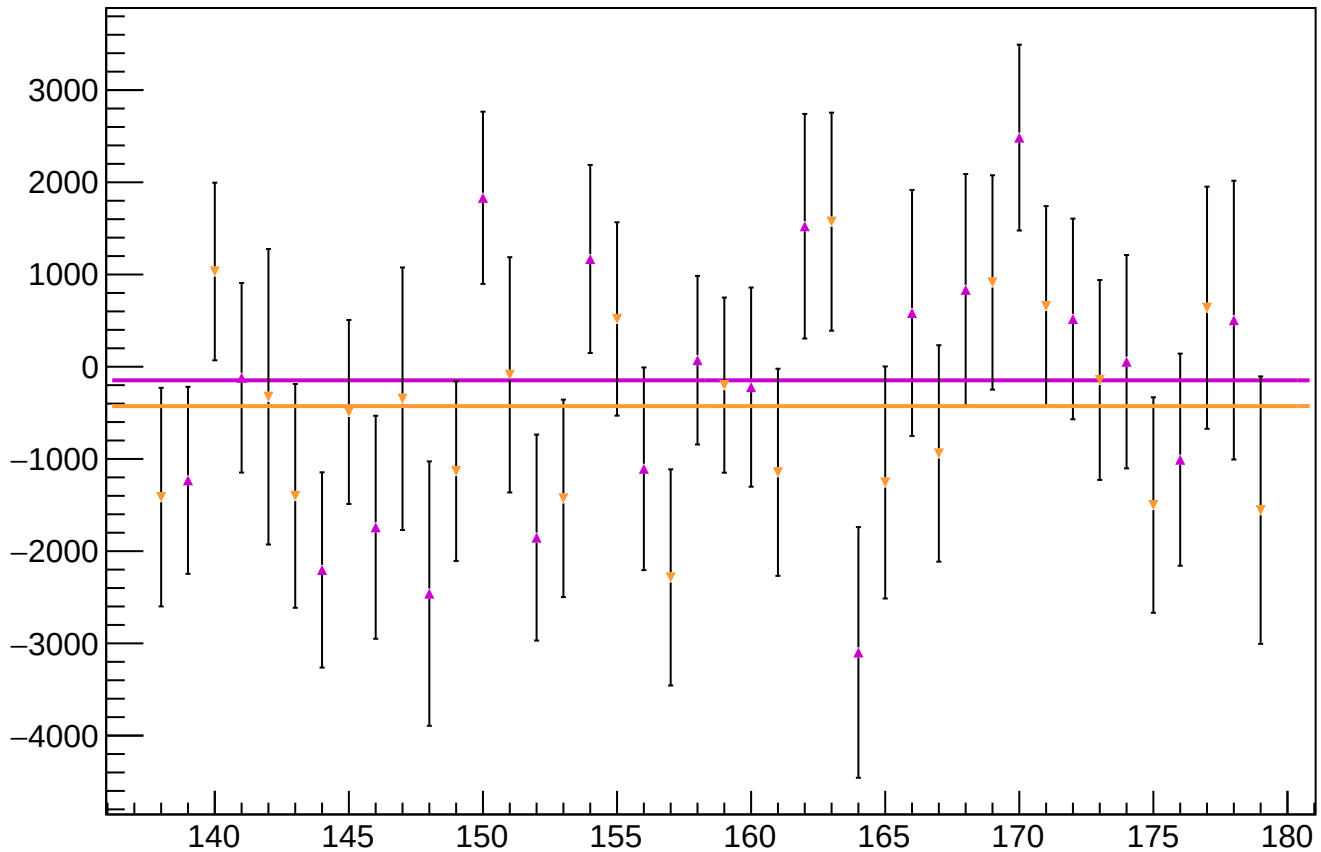
Left In: 158.428 $\pm$ 0.029 χ^2 /NDF: 268142.1/19

+ sign 133.316 $\pm$ 0.020 χ^2 /NDF: 2783008.0/38

All: 130.655 $\pm$ 0.014 χ^2 /NDF: 6273652.6/77

- sign 128.078 $\pm$ 0.020 χ^2 /NDF: 3456281.6/38

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

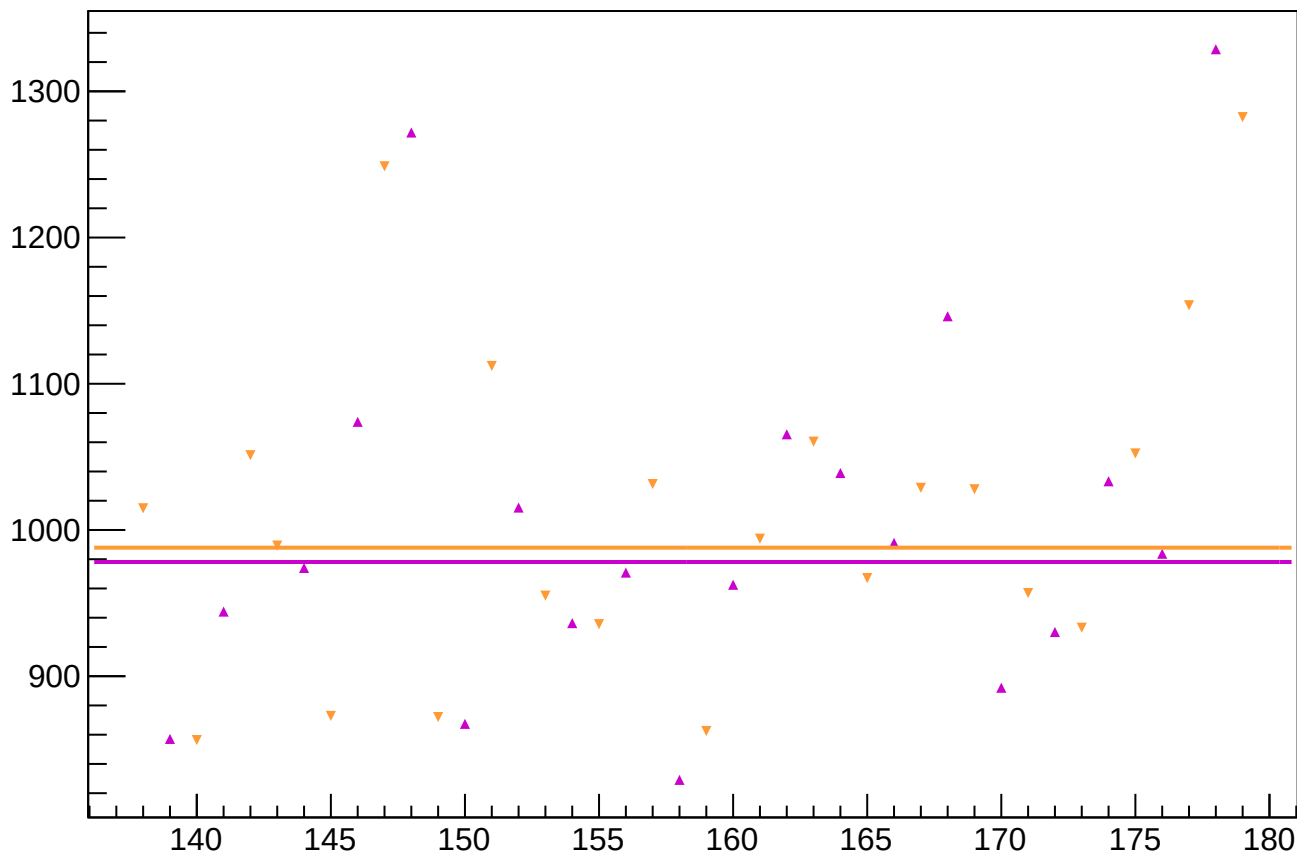
Left In: -147.448 $\pm$ 250.349 χ^2 /NDF:34.0/19

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

All: -290.603 $\pm$ 174.882 χ^2 /NDF: 51.6/41

- 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

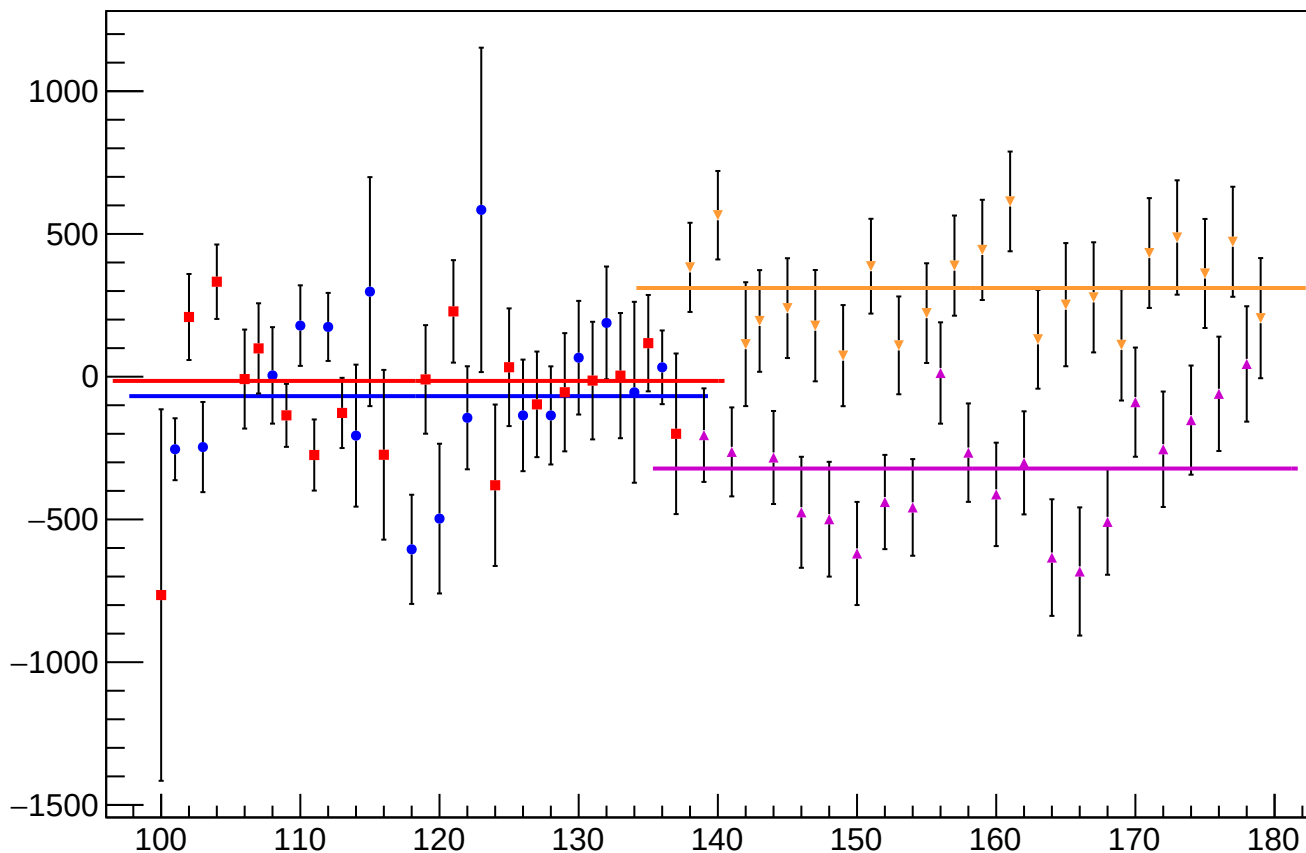
Left In: 978.101+/-0.177 χ^2/NDF : 395530.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 983.123+/-0.124 χ^2/NDF : 764189.2/41

- 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

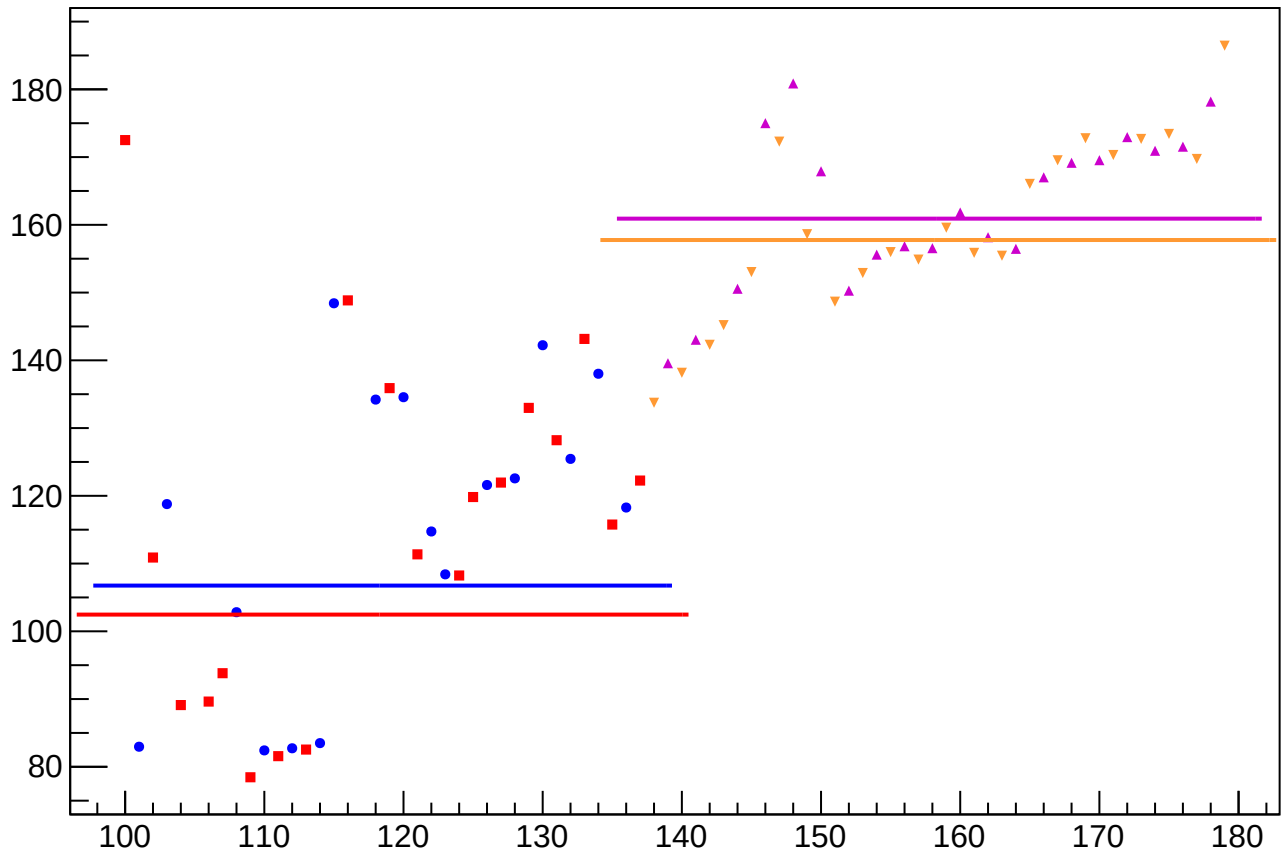
Left In: -321.692 ± 40.901 χ^2/NDF : 23.2/19

+ sign 137.437 ± 28.583 χ^2/NDF : 88.1/38

All: -13.628 ± 20.147 χ^2/NDF : 219.1/77

- sign -162.769 ± 28.401 χ^2/NDF : 75.5/38

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

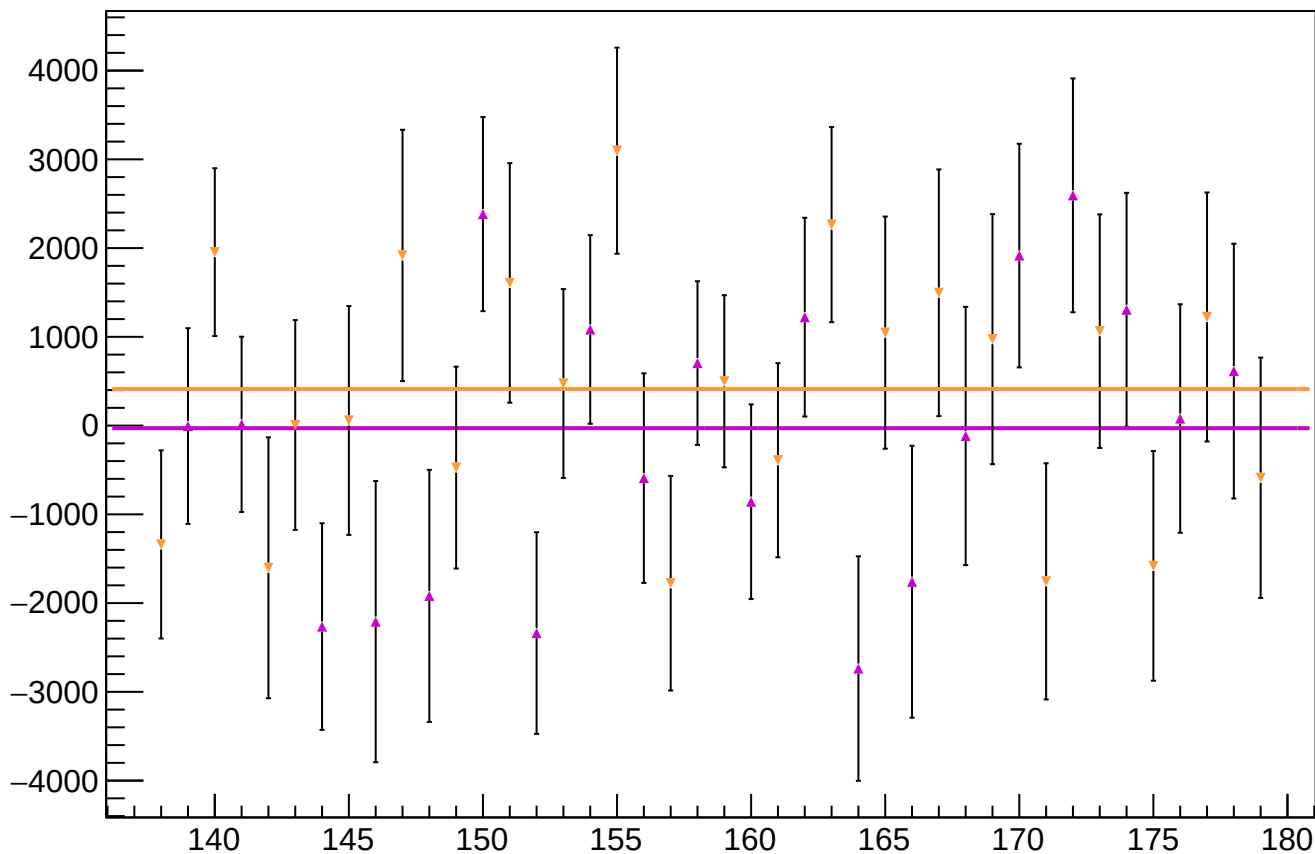
Left In: 160.914 $\pm$ 0.029 χ^2 /NDF:157979.5/19

+ sign 134.429 $\pm$ 0.020 χ^2 /NDF: 2303950.5/38

All: 132.526 $\pm$ 0.014 χ^2 /NDF: 5183720.5/77

- sign 130.647 $\pm$ 0.020 χ^2 /NDF: 2862149.8/38

asym_sam6_correction_mean vs Slug



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

Left Out: 412.430+/-257.808 χ^2/NDF : 29.2/21

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

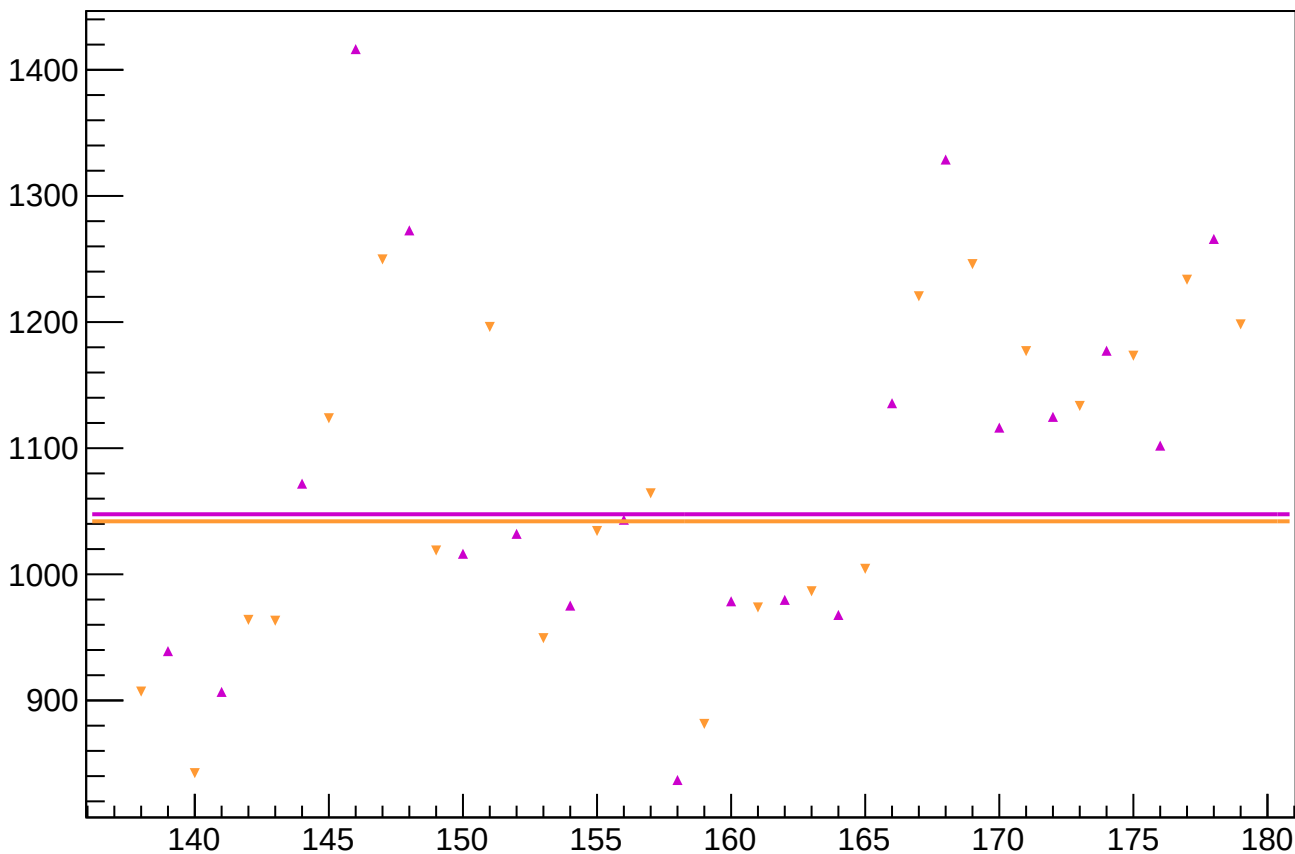
Left In: -28.929+/-268.286 χ^2/NDF : 33.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 200.538+/-185.891 χ^2/NDF : 64.1/41

- sign 0.000+/-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

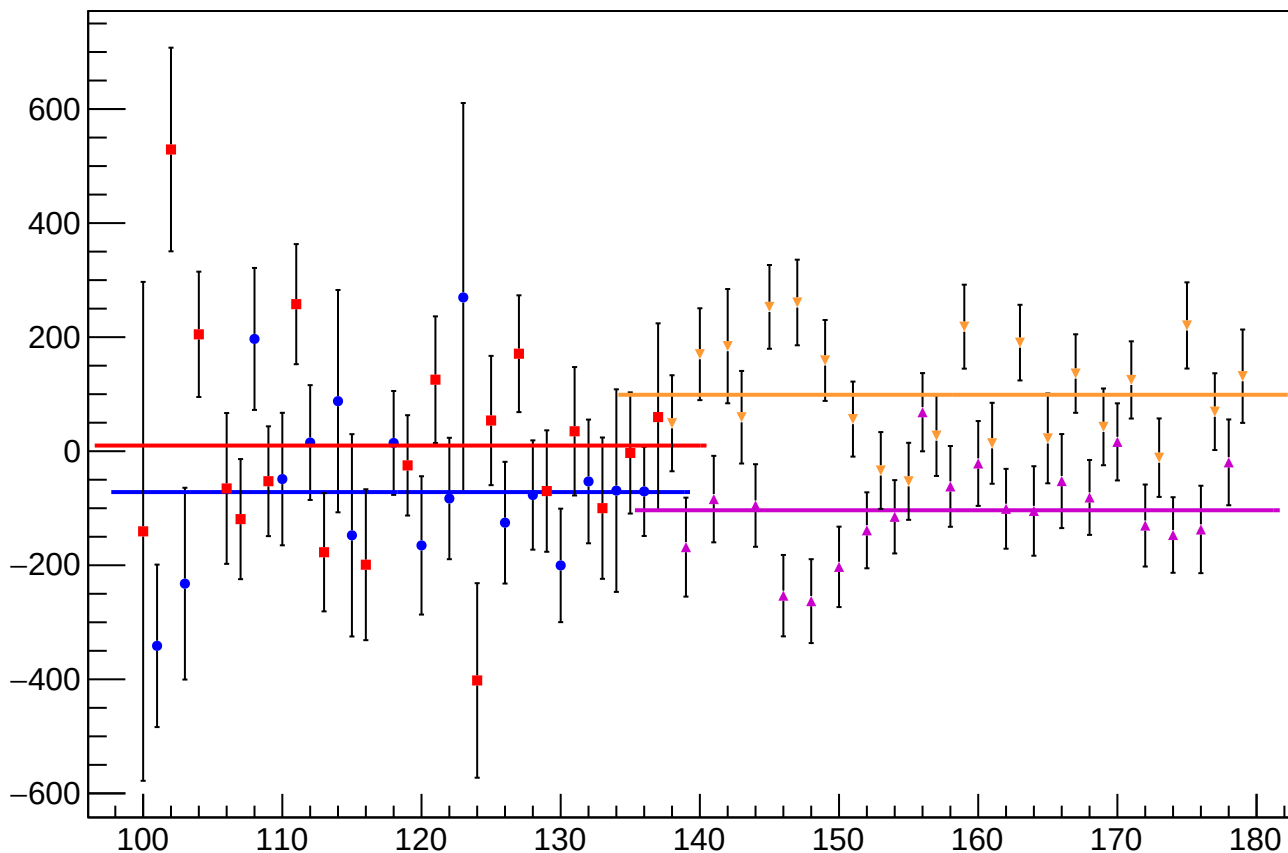
Left In: 1047.618+/-0.190 χ^2/NDF : 521806.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1044.713+/-0.131 χ^2/NDF : 1011296.0/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_mean vs Slug



Right In: -71.669 $\pm$ 28.358 χ^2 /NDF: 15.2/16

Left Out: 98.955 $\pm$ 15.511 χ^2 /NDF:35.8/21

Right Out: 9.917 $\pm$ 26.816 χ^2 /NDF: 36.5/18

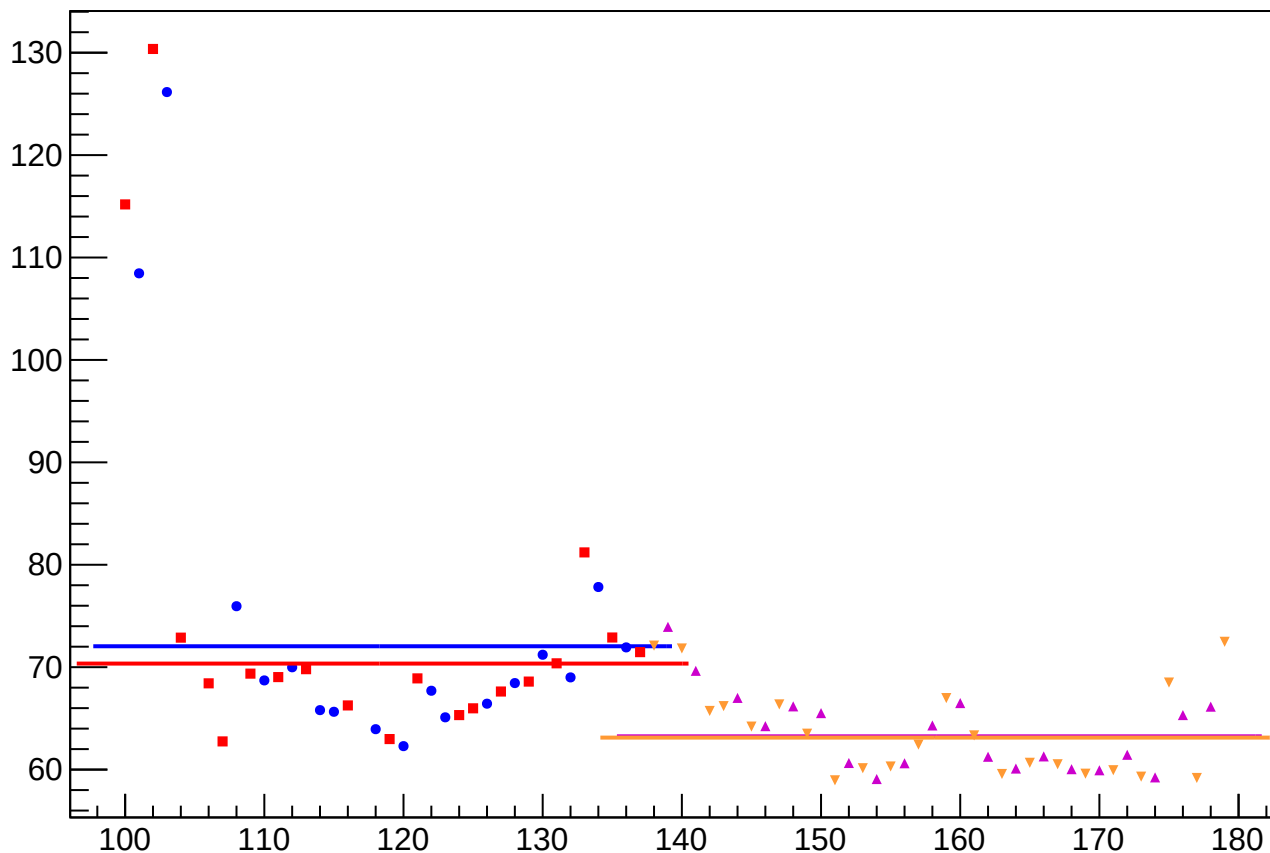
Left In: -103.551 $\pm$ 16.071 χ^2 /NDF:25.5/19

+ sign 59.665 $\pm$ 13.608 χ^2 /NDF: 78.9/38

All: -6.092 $\pm$ 9.684 χ^2 /NDF: 201.4/77

- sign -73.567 $\pm$ 13.785 χ^2 /NDF: 75.2/38

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

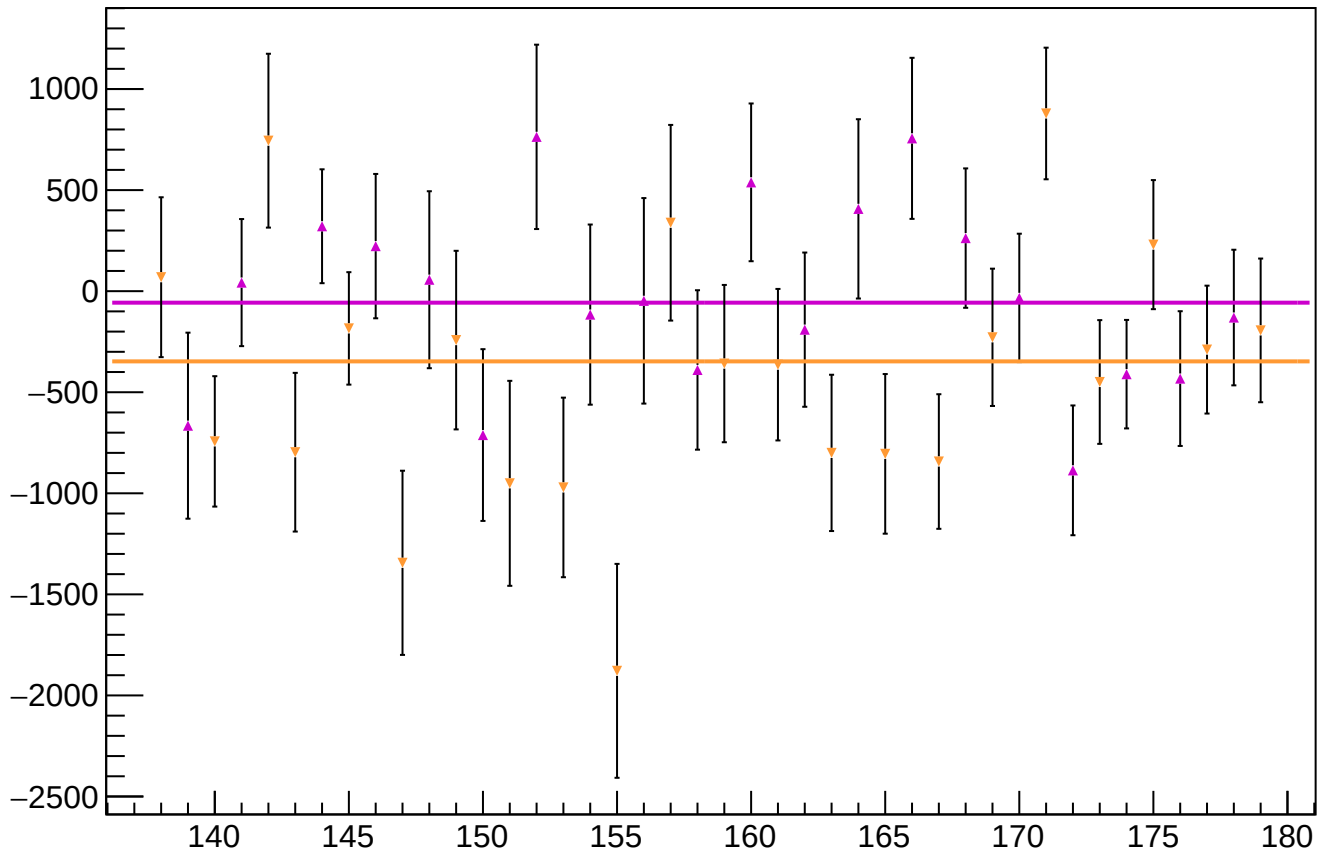
Left In: 63.251 $\pm$ 0.011 χ^2 /NDF:102784.2/19

+ sign 65.177 $\pm$ 0.010 χ^2 /NDF: 689697.8/38

All: 65.153 $\pm$ 0.007 χ^2 /NDF: 1194640.6/77

- sign 65.127 $\pm$ 0.010 χ^2 /NDF: 504929.7/38

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

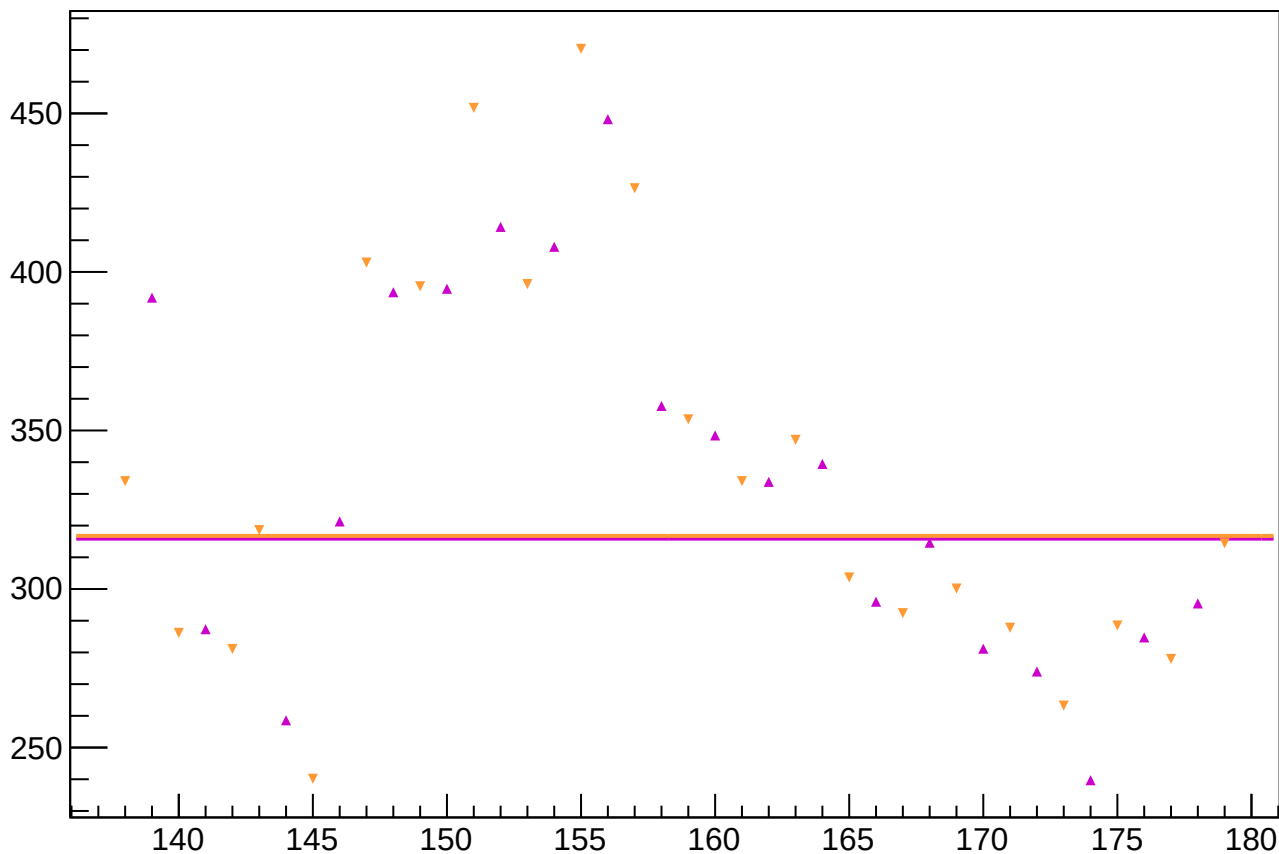
Left In: -56.932 $\pm$ 81.432 χ^2 /NDF:29.0/19

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

All: -206.397 $\pm$ 56.732 χ^2 /NDF: 87.7/41

- 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

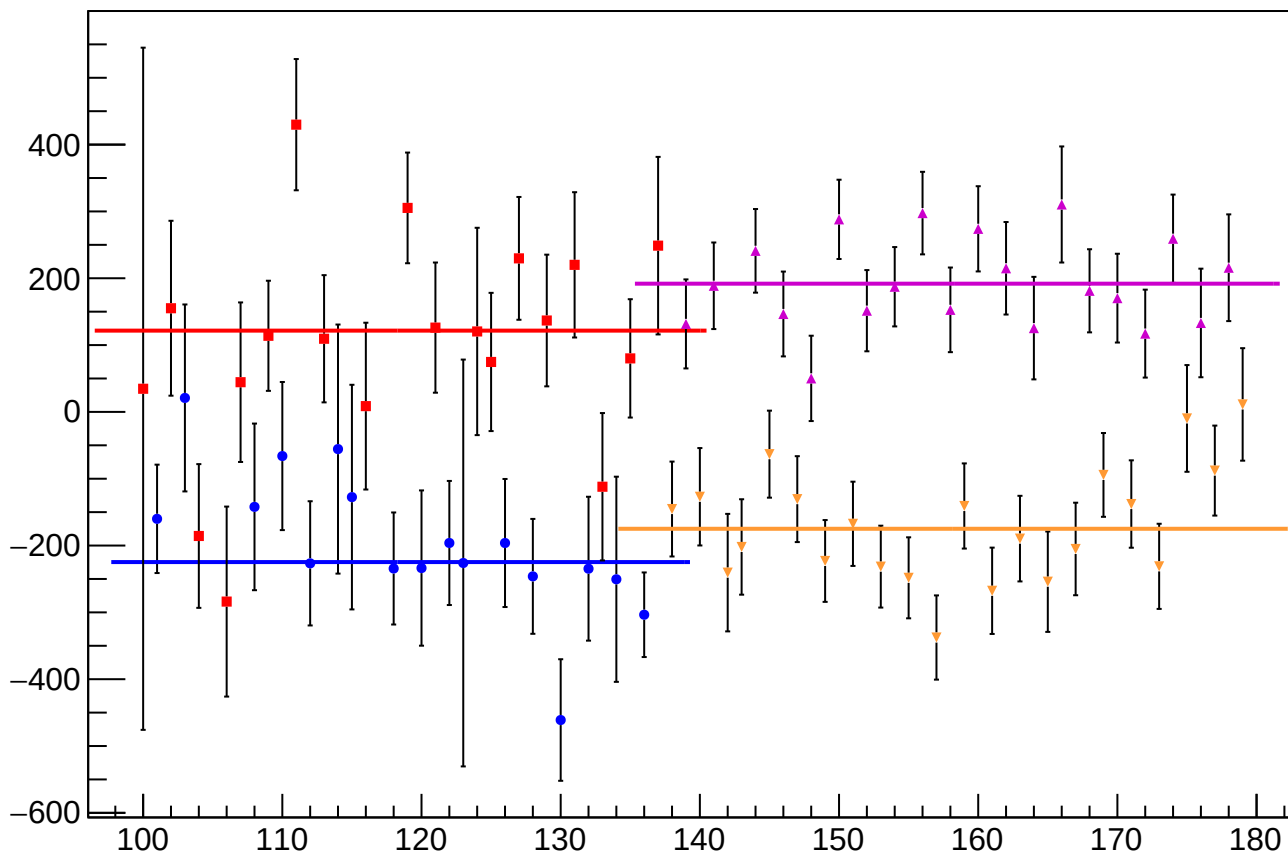
Left In: 315.891+/-0.058 χ^2/NDF : 895382.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 316.337+/-0.040 χ^2/NDF : 1869555.9/41

- 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

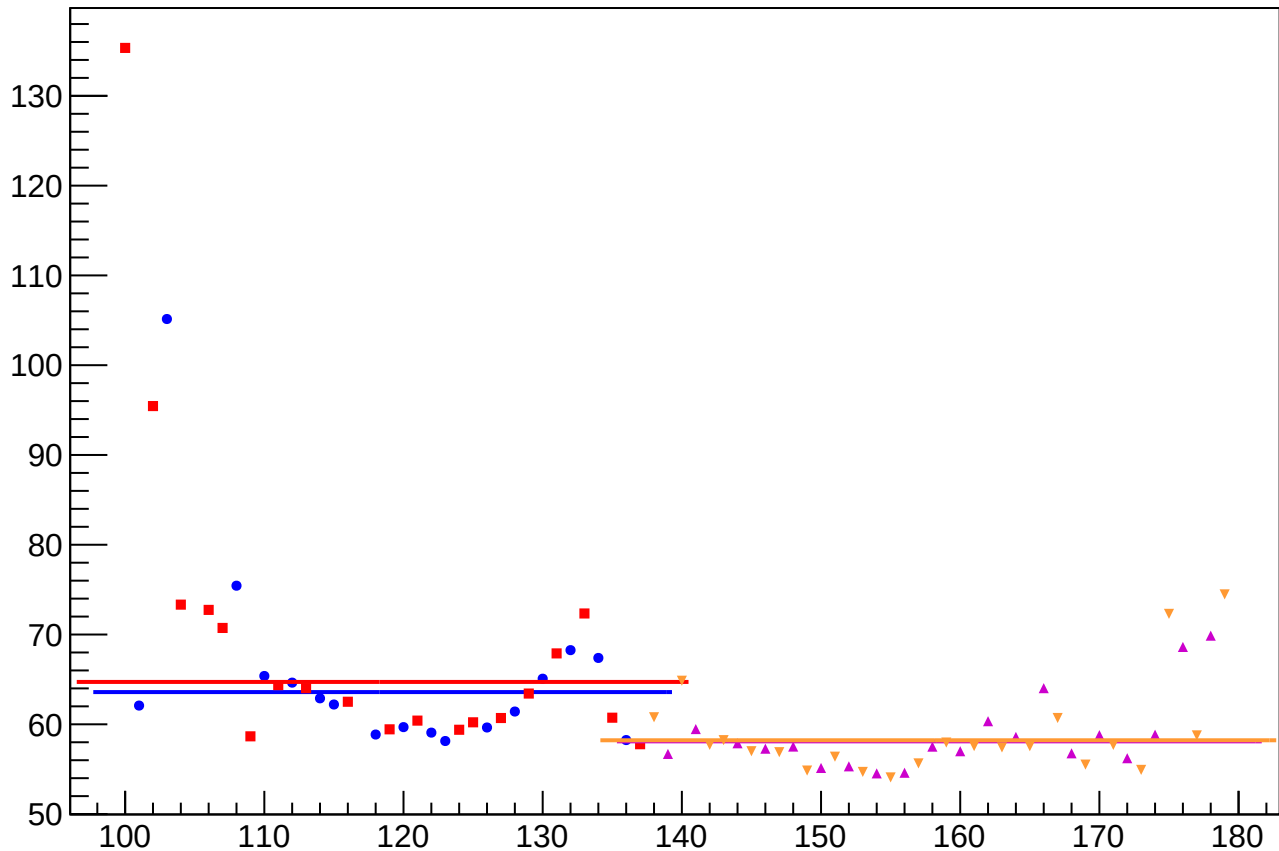
Left In: 191.884 $\pm$ 14.787 χ^2 /NDF: 20.7/19

+ sign -187.314 $\pm$ 12.420 χ^2 /NDF: 50.6/38

All: -10.686 $\pm$ 8.870 χ^2 /NDF: 530.7/77

- sign 173.237 $\pm$ 12.674 χ^2 /NDF: 67.2/38

reg_asym_sam8_rms vs Slug



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 58.221+/-0.010 χ^2/NDF : 197142.0/21

Right Out: 64.720+/-0.017 χ^2/NDF : 227506.4/18

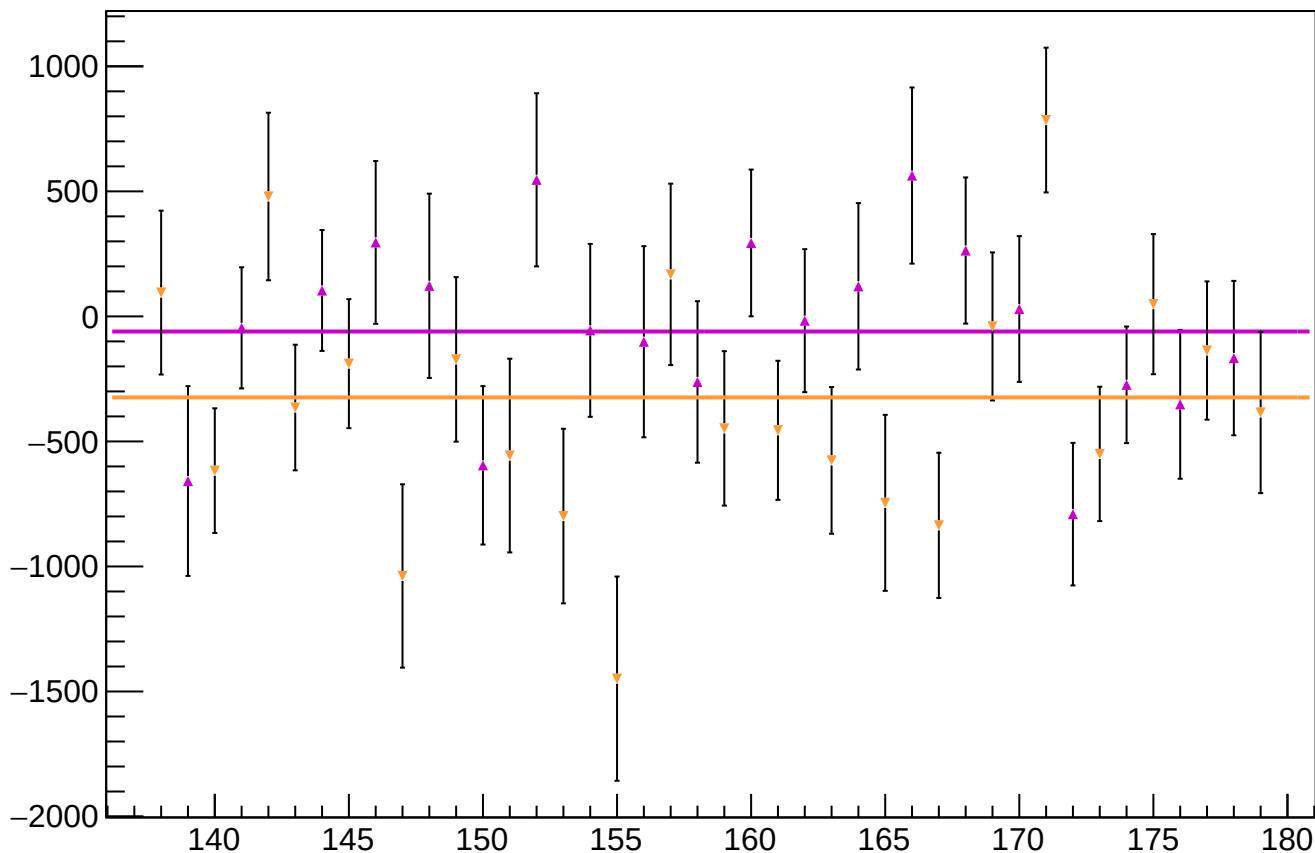
Left In: 58.101+/-0.010 χ^2/NDF : 117344.2/19

+ sign 59.559+/-0.009 χ^2/NDF : 501648.1/38

All: 59.705+/-0.006 χ^2/NDF : 953443.6/77

- sign 59.858+/-0.009 χ^2/NDF : 451226.7/38

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

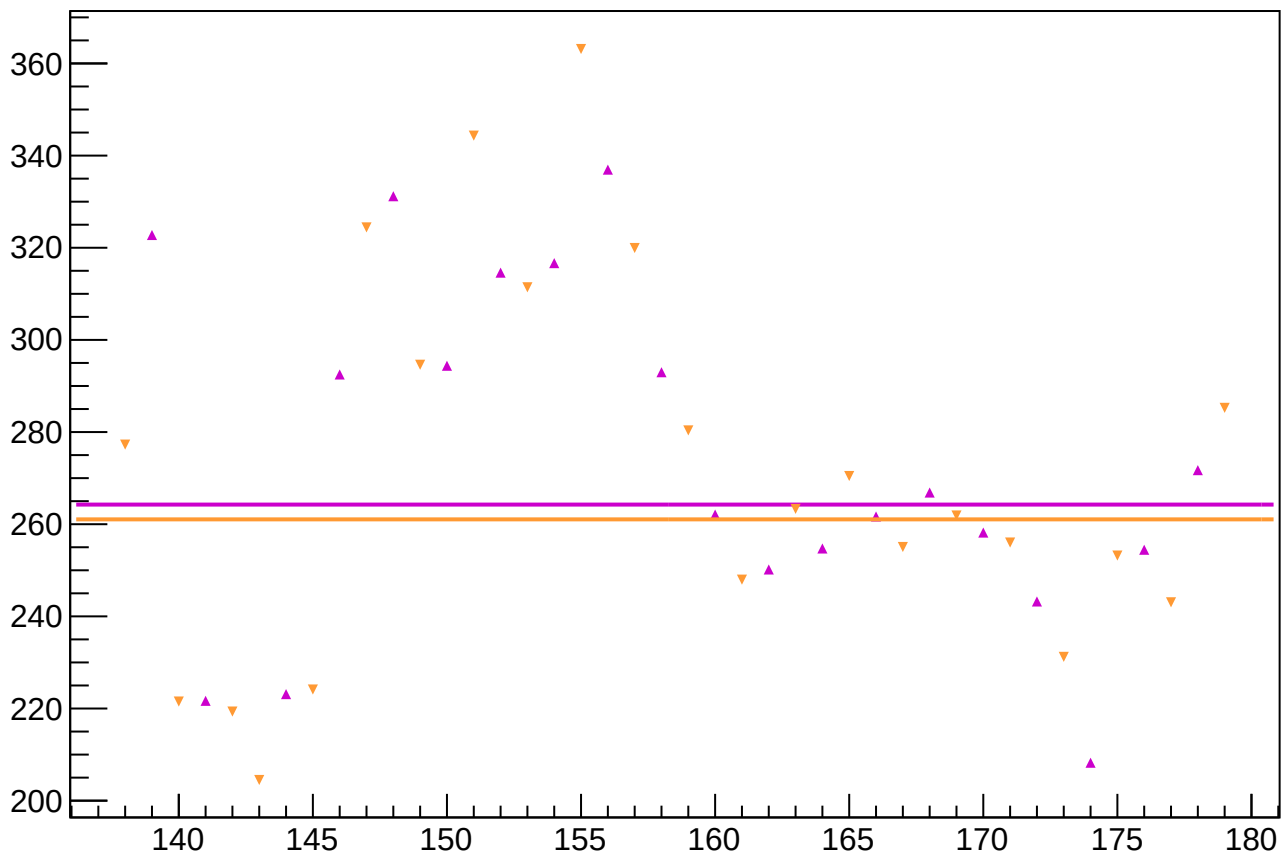
Left In: -60.422 $\pm$ 67.738 χ^2 /NDF:25.4/19

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

All: -198.090 $\pm$ 46.836 χ^2 /NDF: 82.3/41

- 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

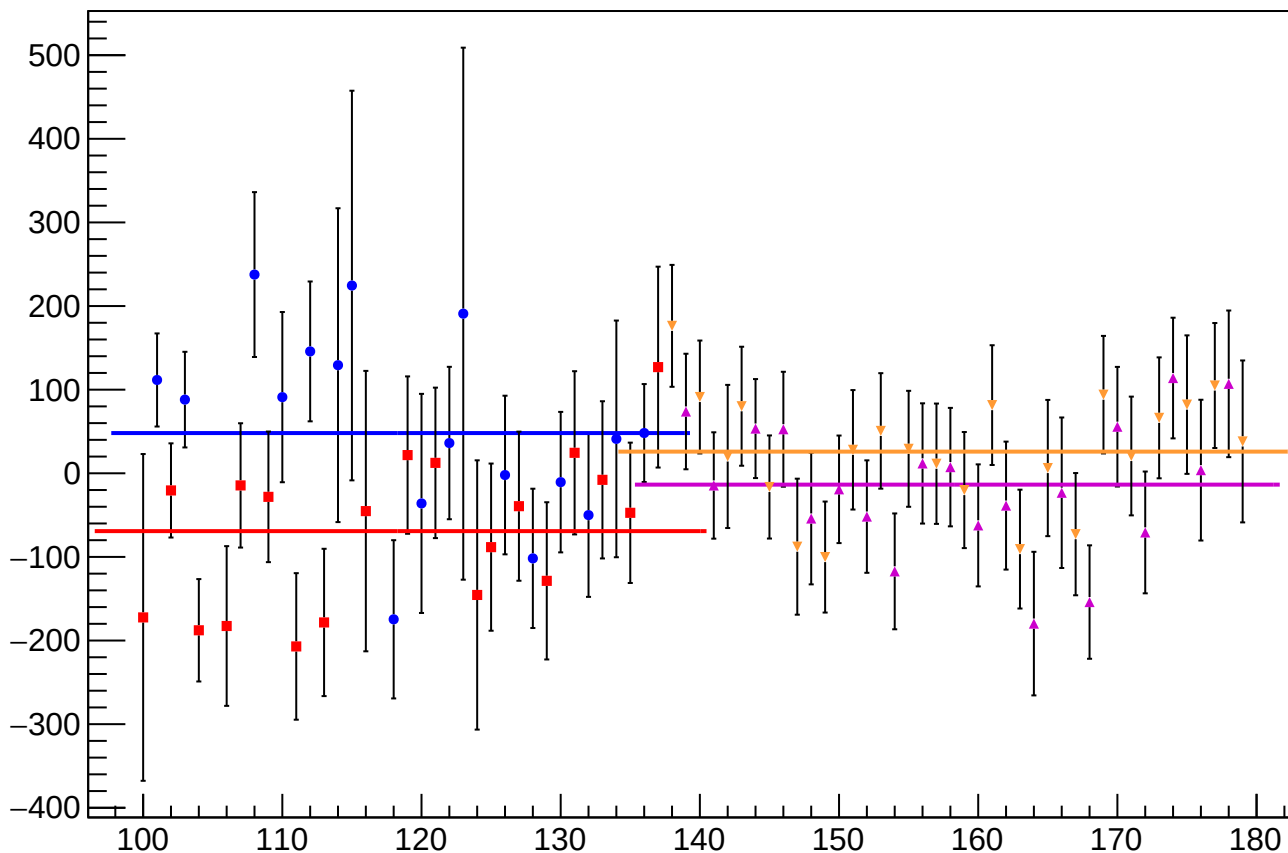
Left In: 264.260+/-0.048 χ^2/NDF : 580380.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 262.585+/-0.033 χ^2/NDF : 1264837.8/41

- 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 $\chi^2/\text{NDF}: 17.7/18$

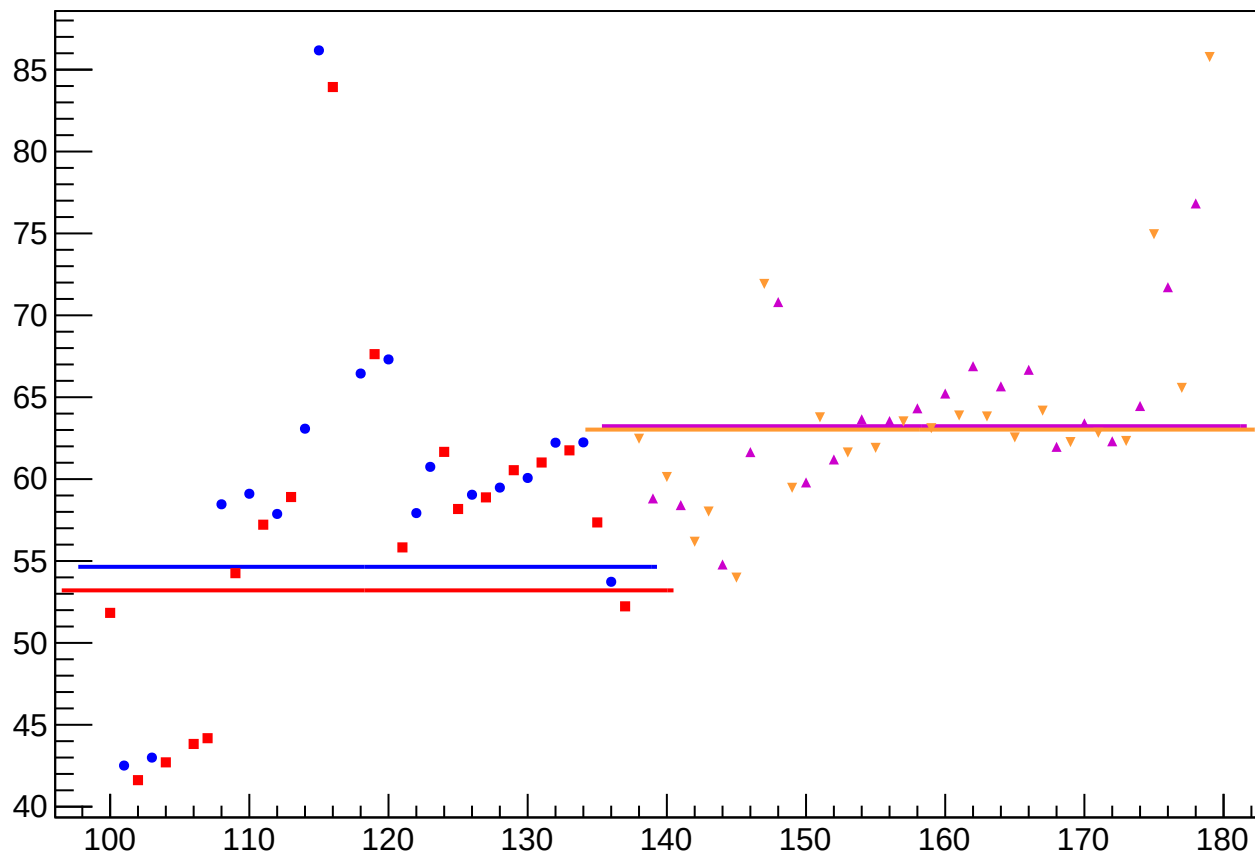
Left In: -13.555 ± 16.092 $\chi^2/\text{NDF}: 22.1/19$

+ sign 33.524 ± 12.586 $\chi^2/\text{NDF}: 40.1/38$

All: -0.538 ± 8.917 $\chi^2/\text{NDF}: 99.1/77$

- sign -34.873 ± 12.636 $\chi^2/\text{NDF}: 44.3/38$

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 63.023+/-0.011 χ^2/NDF : 256533.5/21

Right Out: 53.207+/-0.014 χ^2/NDF : 386295.2/18

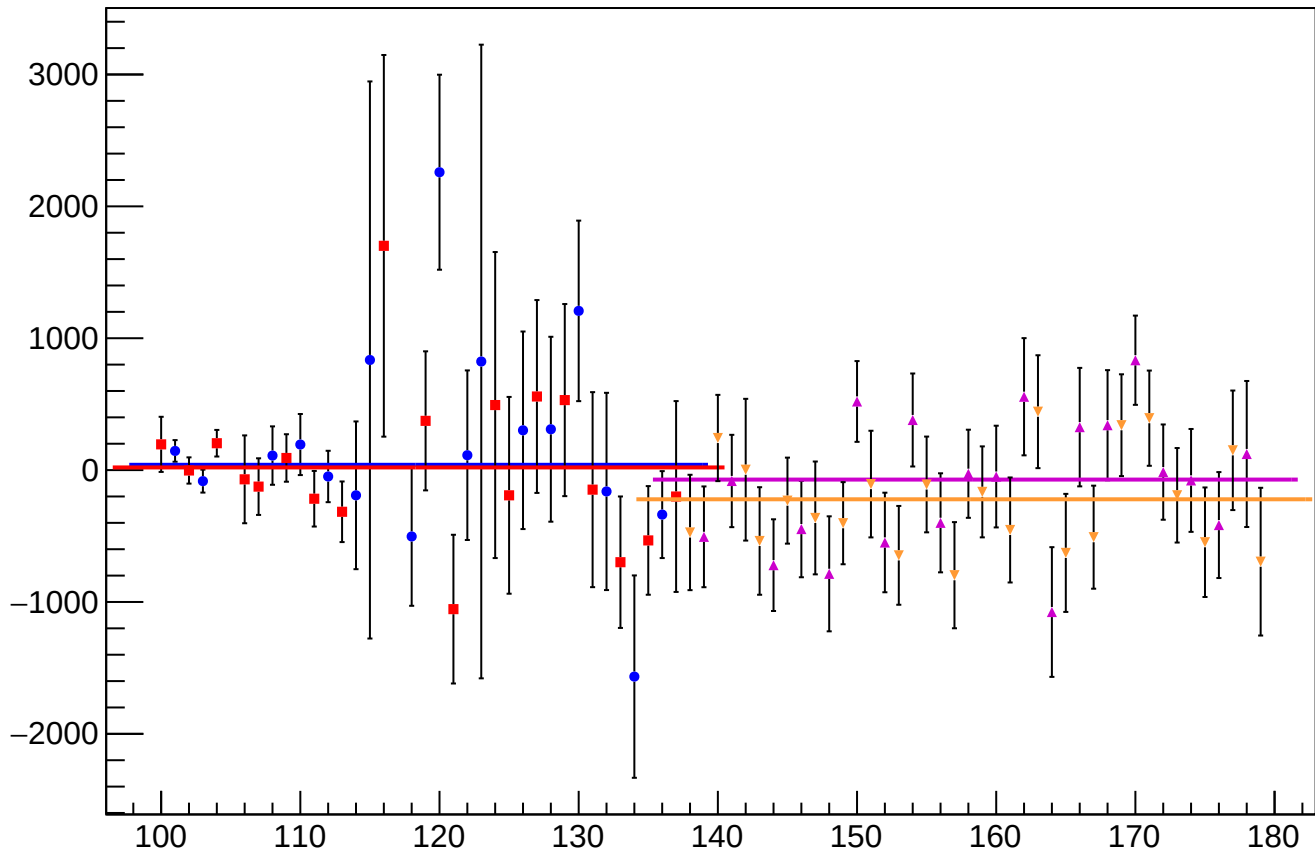
Left In: 63.231+/-0.011 χ^2/NDF : 168672.9/19

+ sign 60.155+/-0.009 χ^2/NDF : 775399.9/38

All: 59.773+/-0.006 χ^2/NDF : 1631598.3/77

- sign 59.387+/-0.009 χ^2/NDF : 852491.9/38

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 ± 51.542 χ^2/NDF : 23.9/16

Left Out: -221.328 ± 83.344 χ^2/NDF : 18.3/21

Right Out: 20.232 ± 53.274 χ^2/NDF : 18.9/18

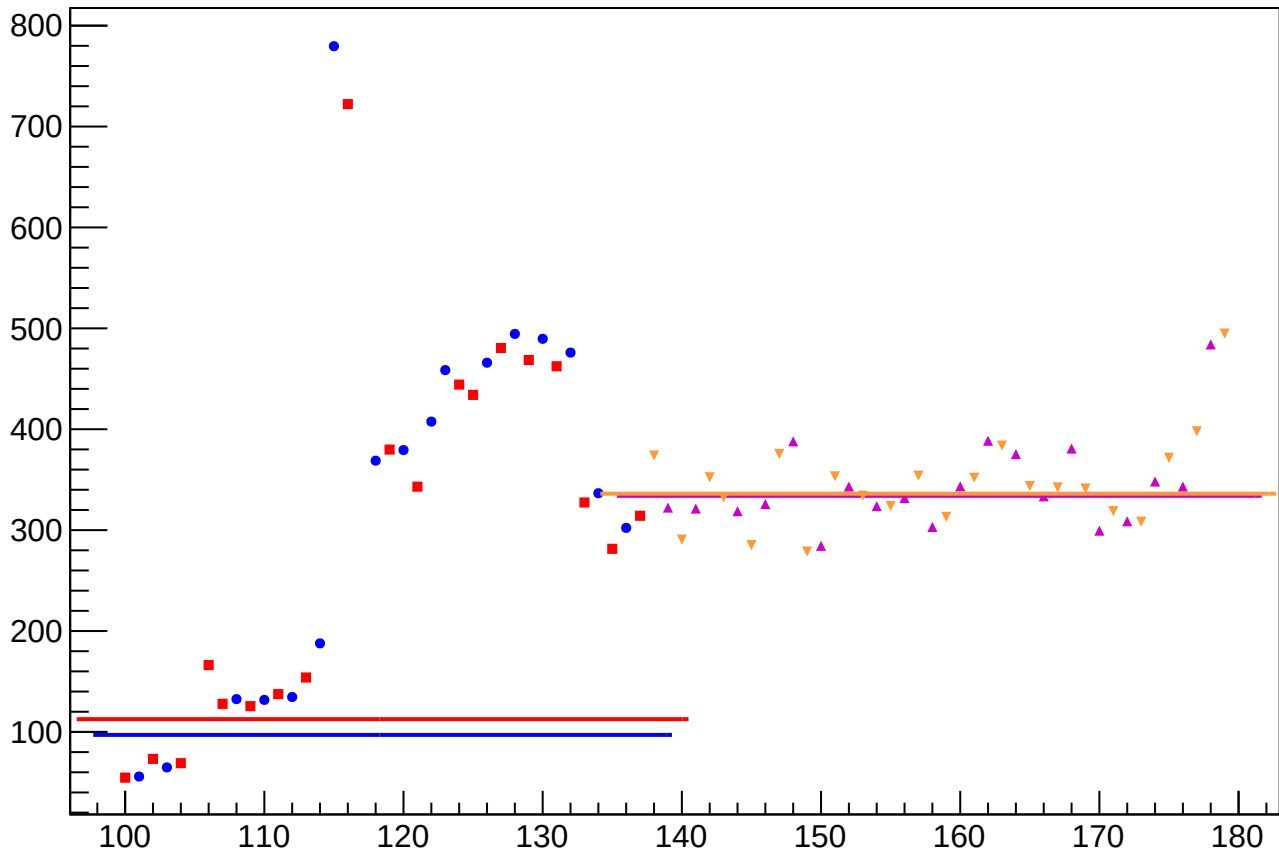
Left In: -71.894 ± 85.486 χ^2/NDF : 32.2/19

+ sign -32.146 ± 43.837 χ^2/NDF : 49.2/38

All: -19.254 ± 31.473 χ^2/NDF : 101.4/77

- sign -5.539 ± 45.213 χ^2/NDF : 52.0/38

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

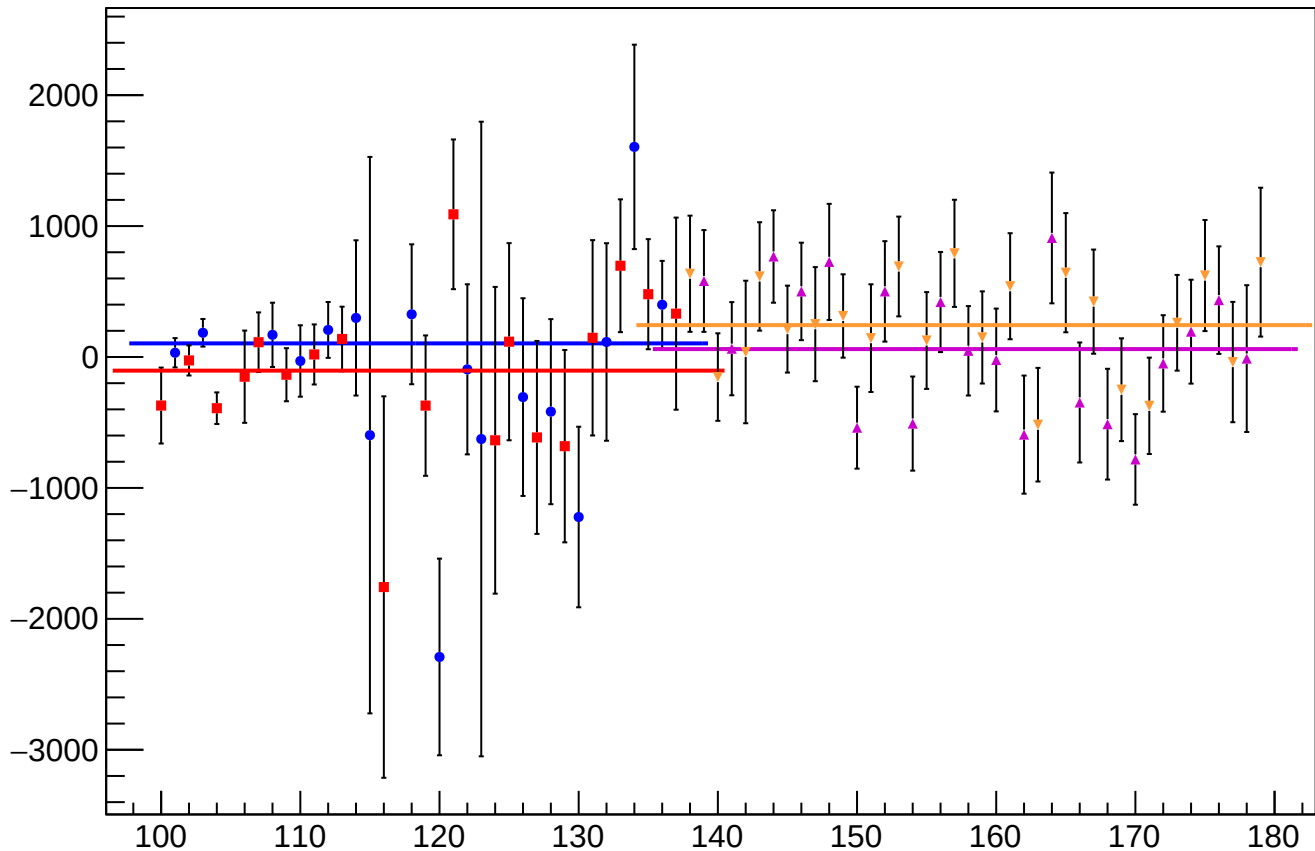
Left In: 333.992+/-0.060 χ^2 /NDF: 364388.3/19

+ sign 163.184+/-0.031 χ^2 /NDF: 18192417.3/38

All: 168.700+/-0.022 χ^2 /NDF: 33315552.1/77

- sign 174.568+/-0.032 χ^2 /NDF: 15057783.3/38

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 243.512 $\pm$ 84.848 χ^2 /NDF:17.5/21

Right Out: -104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

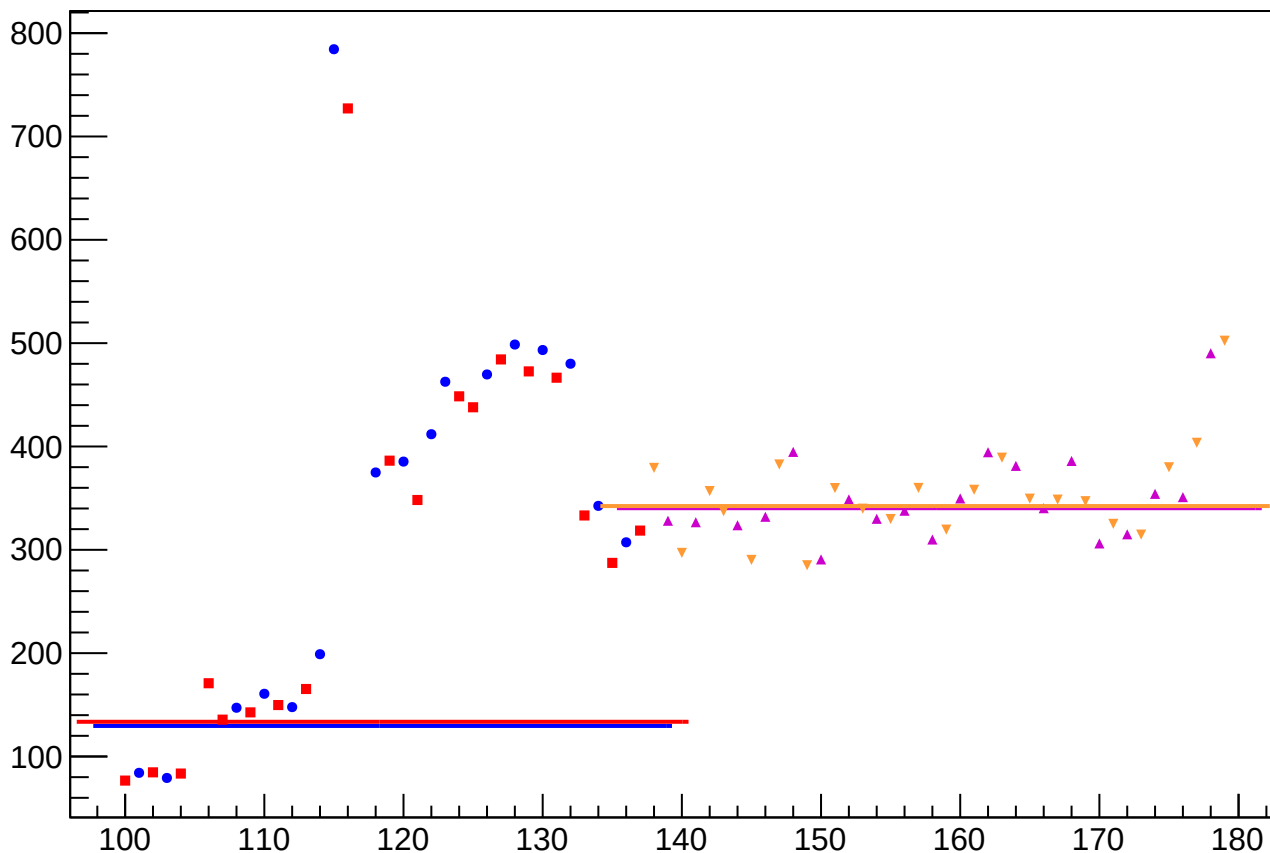
Left In: 60.432 $\pm$ 87.061 χ^2 /NDF:32.5/19

+ sign 153.740 $\pm$ 50.662 χ^2 /NDF: 40.5/38

All: 50.222 $\pm$ 35.543 χ^2 /NDF: 105.0/77

- sign -50.121 $\pm$ 49.879 χ^2 /NDF: 56.2/38

asym_sam_15_avg_rms vs Slug



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 342.350 $\pm$ 0.060 χ^2 /NDF: 454306.6/21

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

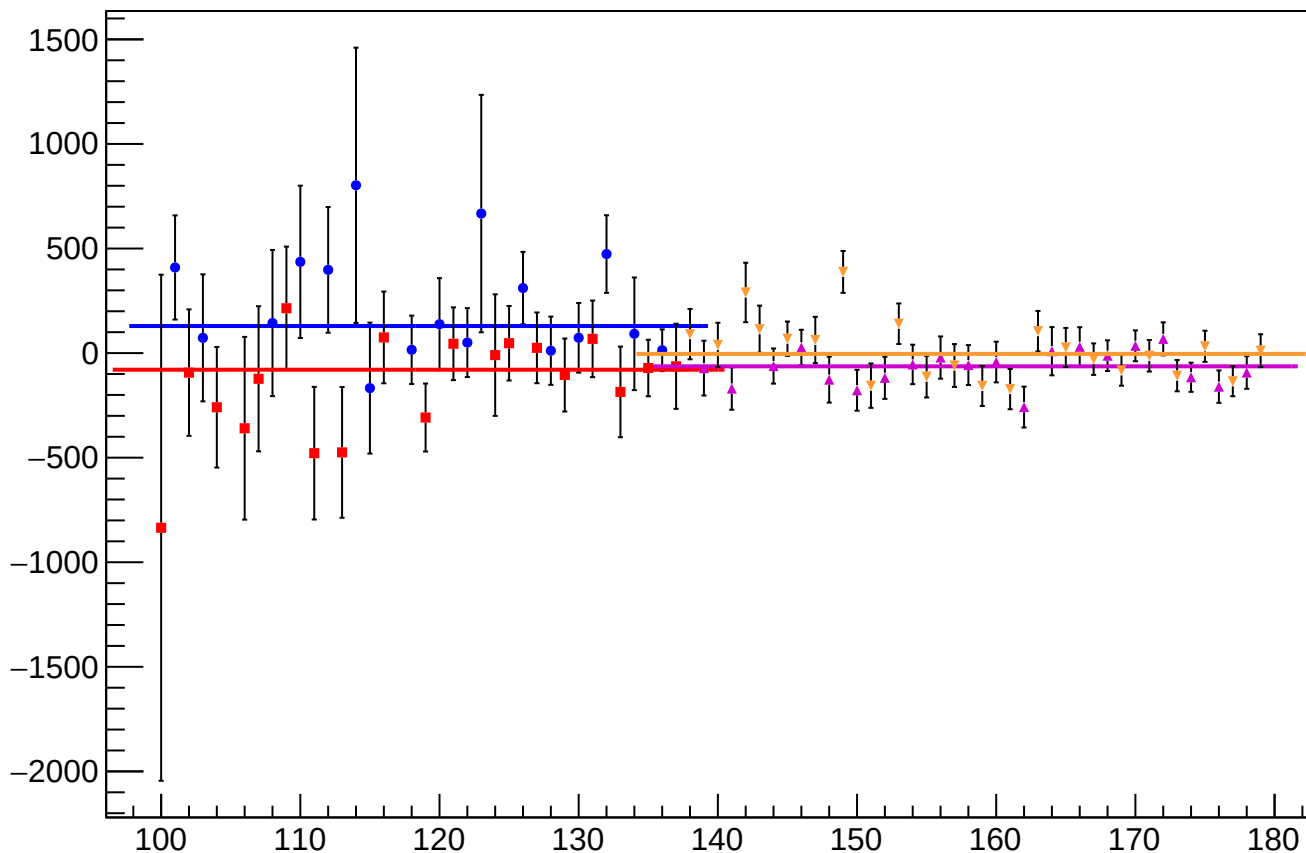
Left In: 340.274 $\pm$ 0.062 χ^2 /NDF: 351510.5/19

+ sign 205.419 $\pm$ 0.036 χ^2 /NDF: 13321821.4/38

All: 203.396 $\pm$ 0.025 χ^2 /NDF: 25617787.4/77

- sign 201.434 $\pm$ 0.035 χ^2 /NDF: 12289681.9/38

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 ± 49.122 $\chi^2/\text{NDF}: 12.9/16$

Left Out: -3.886 ± 19.236 $\chi^2/\text{NDF}: 42.2/21$

Right Out: -79.483 ± 49.886 $\chi^2/\text{NDF}: 10.2/18$

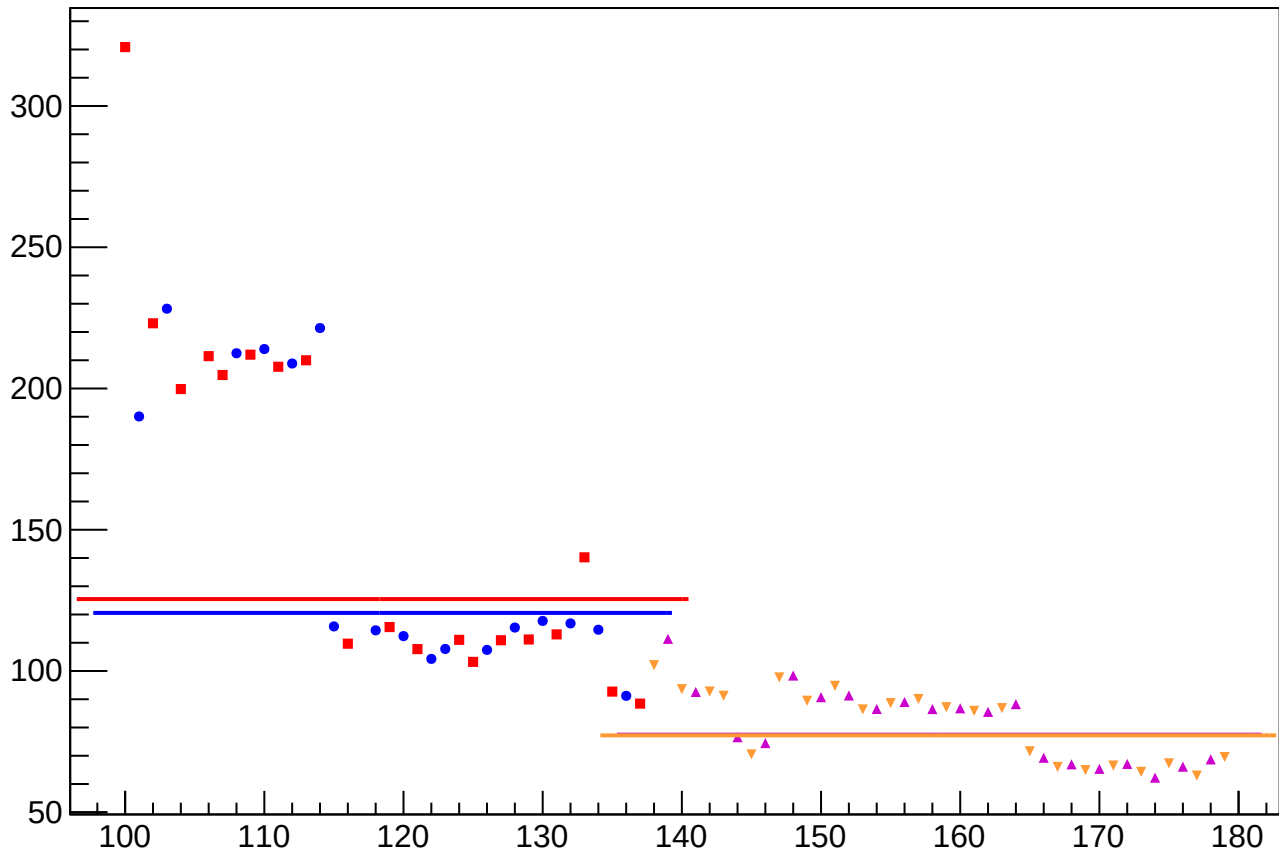
Left In: -63.338 ± 19.961 $\chi^2/\text{NDF}: 17.1/19$

+ sign 13.836 ± 17.912 $\chi^2/\text{NDF}: 61.5/38$

All: -24.514 ± 12.879 $\chi^2/\text{NDF}: 98.5/77$

- sign -65.566 ± 18.532 $\chi^2/\text{NDF}: 27.5/38$

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

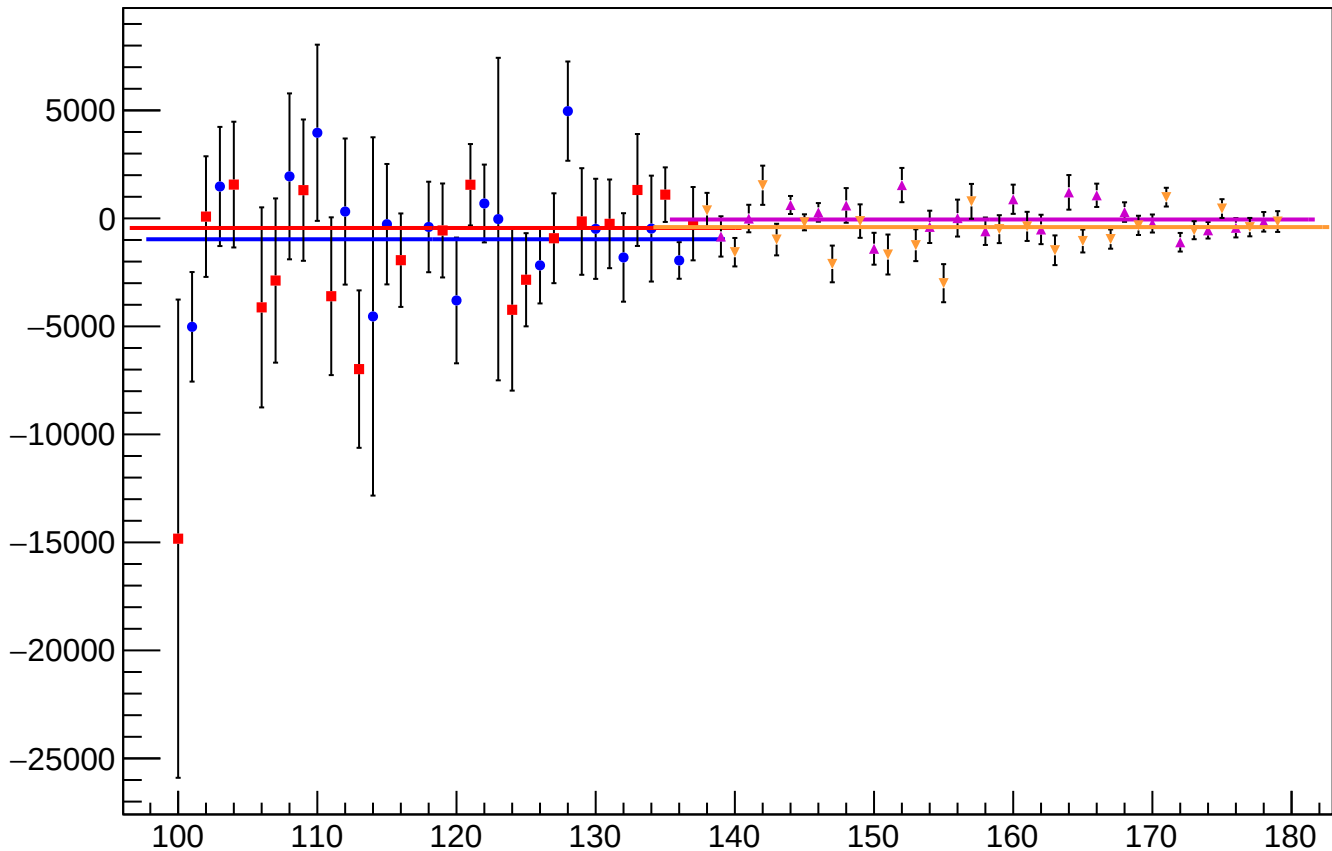
Left In: 77.460 $\pm$ 0.014 χ^2 /NDF: 748785.1/19

+ sign 82.988 $\pm$ 0.013 χ^2 /NDF: 3291409.5/38

All: 83.517 $\pm$ 0.009 χ^2 /NDF: 6973596.5/77

- sign 84.084 $\pm$ 0.013 χ^2 /NDF: 3678575.0/38

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

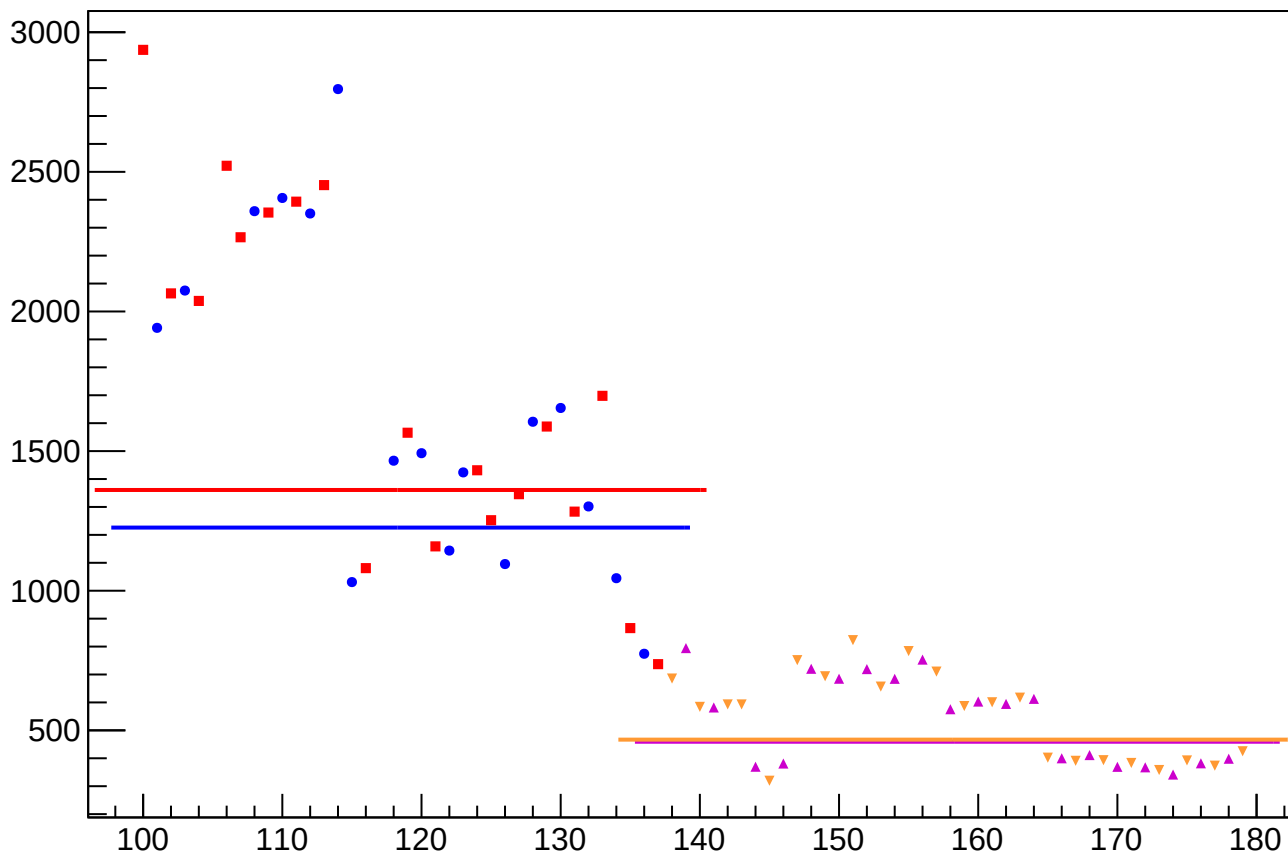
Left In: -51.275 ± 121.793 χ^2/NDF : 31.3/19

+ sign -432.586 ± 116.711 χ^2/NDF : 65.3/38

All: -254.584 ± 83.278 χ^2/NDF : 115.2/77

- sign -69.950 ± 118.865 χ^2/NDF : 45.2/38

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 466.737+/-0.085 χ^2/NDF : 2652664.8/21

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

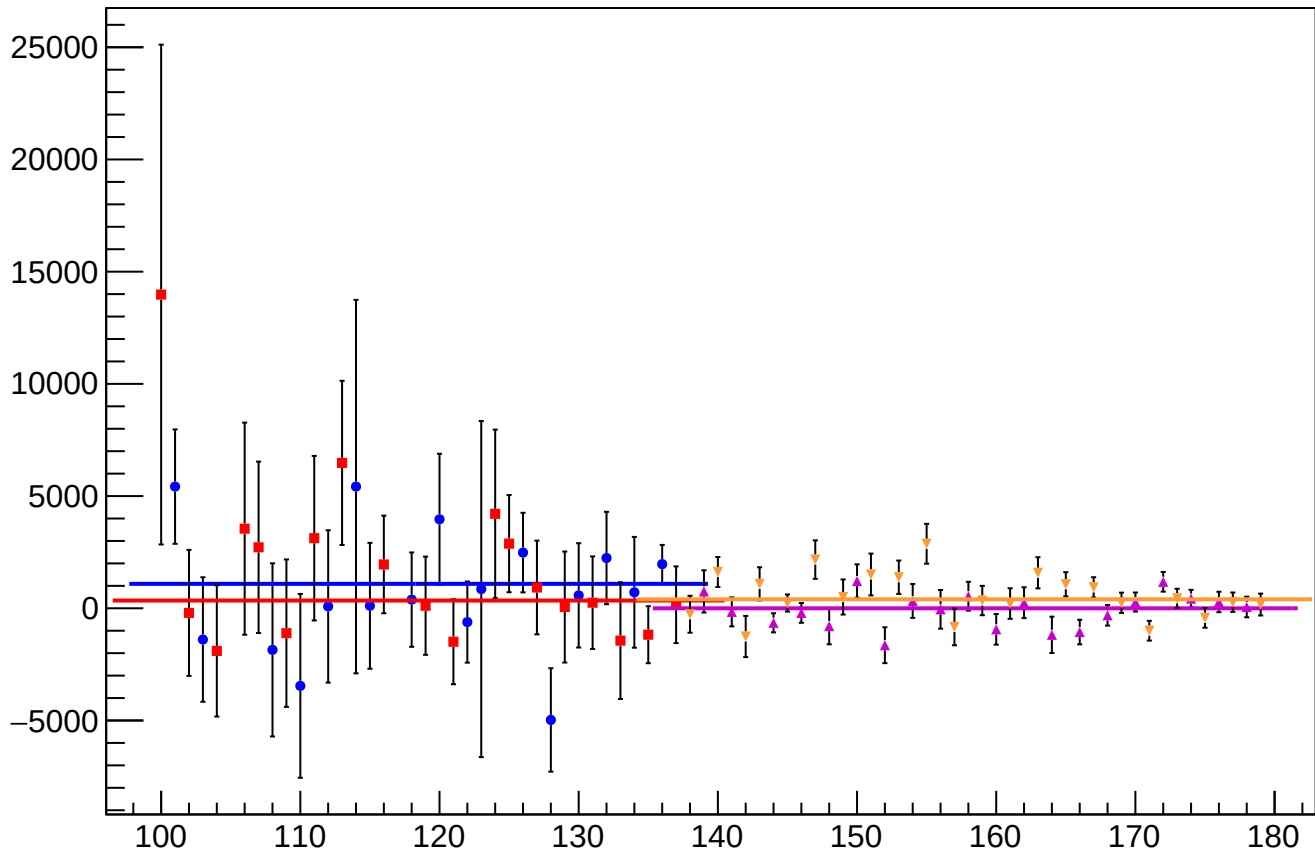
Left In: 459.207+/-0.086 χ^2/NDF : 2346764.6/19

+ sign 506.144+/-0.083 χ^2/NDF : 8574891.2/38

All: 504.127+/-0.059 χ^2/NDF : 17877932.1/77

- sign 502.034+/-0.084 χ^2/NDF : 9301823.4/38

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

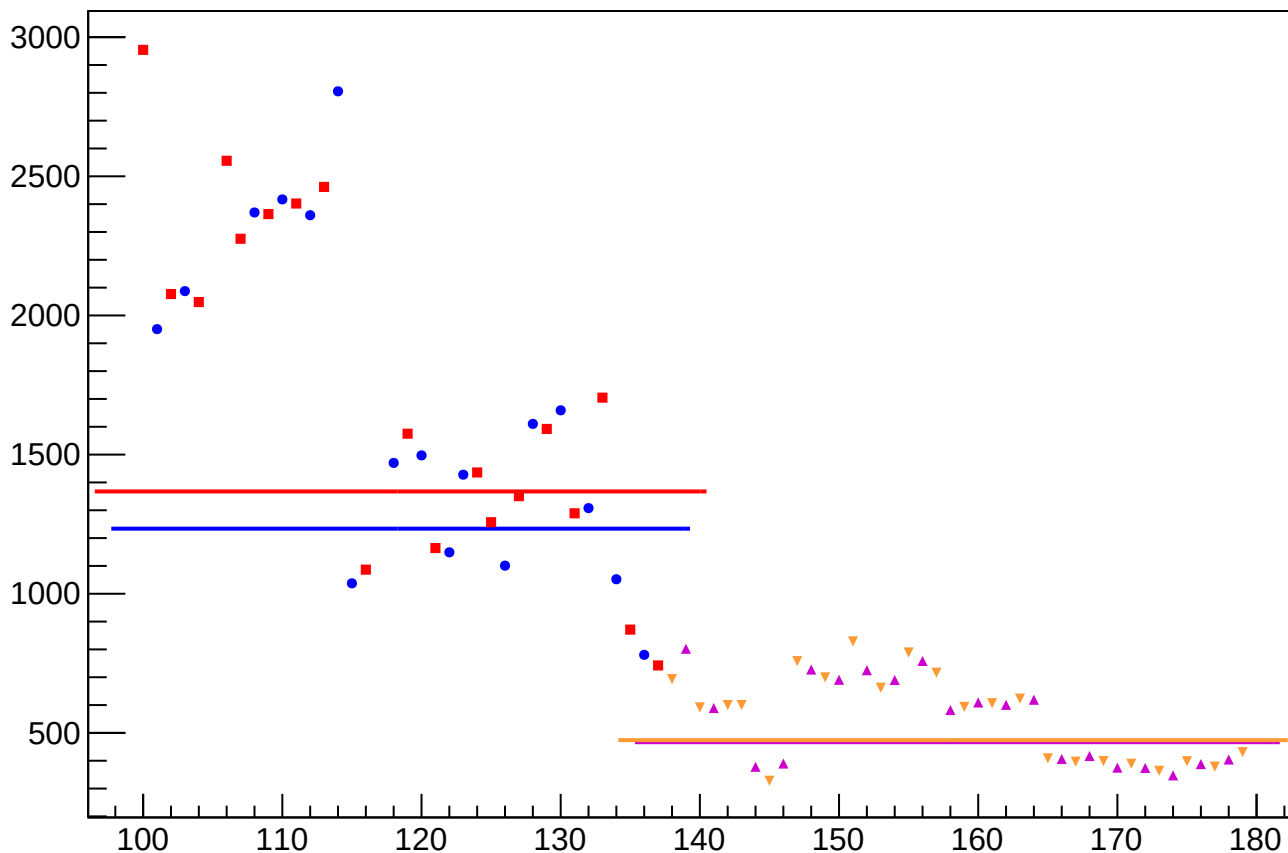
Left In: -1.183 $\pm$ 123.627 χ^2 /NDF: 29.6/19

+ sign 436.326 $\pm$ 118.332 χ^2 /NDF: 64.4/38

All: 229.953 $\pm$ 84.463 χ^2 /NDF: 113.1/77

- sign 15.602 $\pm$ 120.598 χ^2 /NDF: 42.5/38

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

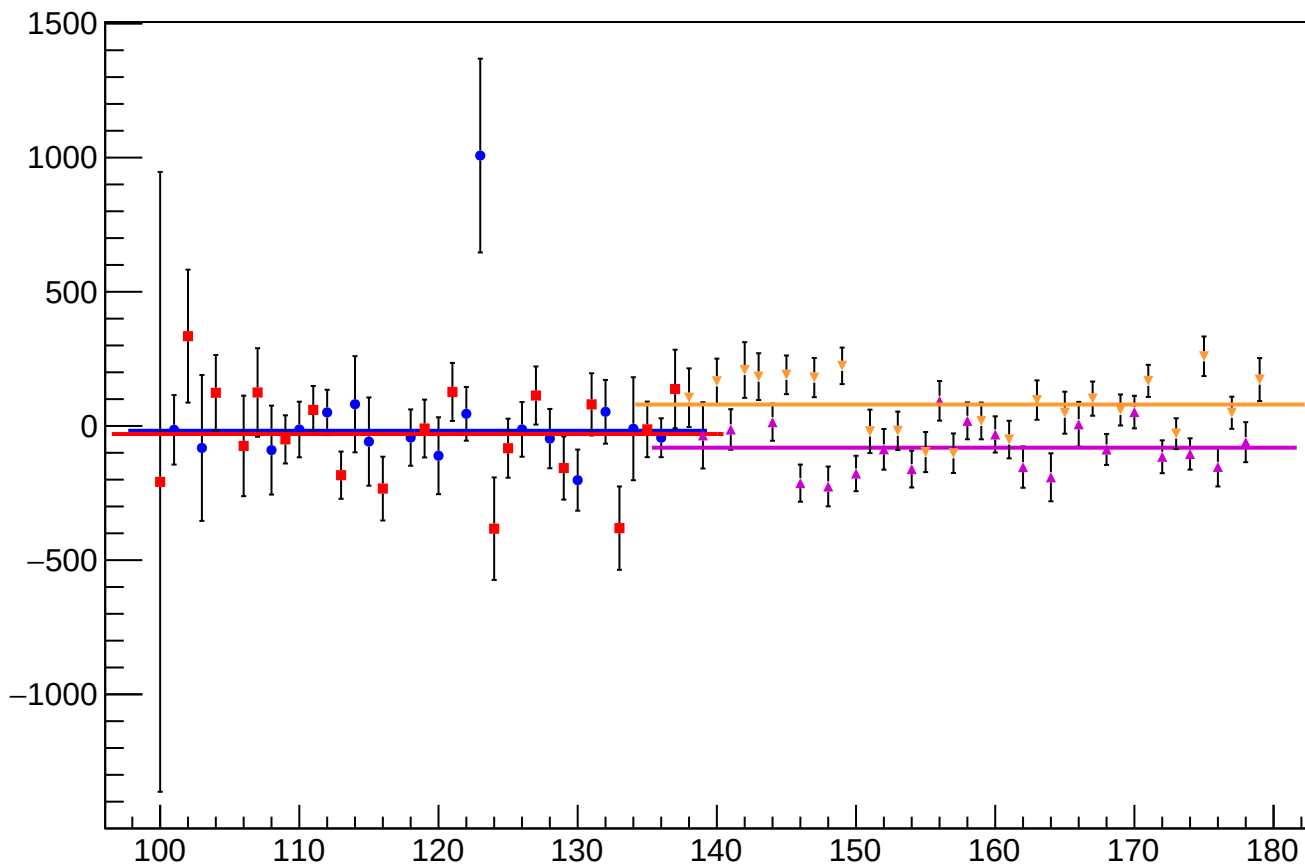
Left In: 466.636 ± 0.087 χ^2/NDF : 2290154.1/19

+ sign 514.055 ± 0.084 χ^2/NDF : 8452003.4/38

All: 512.184 ± 0.060 χ^2/NDF : 17628750.0/77

- sign 510.240 ± 0.085 χ^2/NDF : 9175726.6/38

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 79.892 ± 15.307 $\chi^2/\text{NDF}: 45.9/21$

Right Out: -30.070 ± 27.976 $\chi^2/\text{NDF}: 27.4/18$

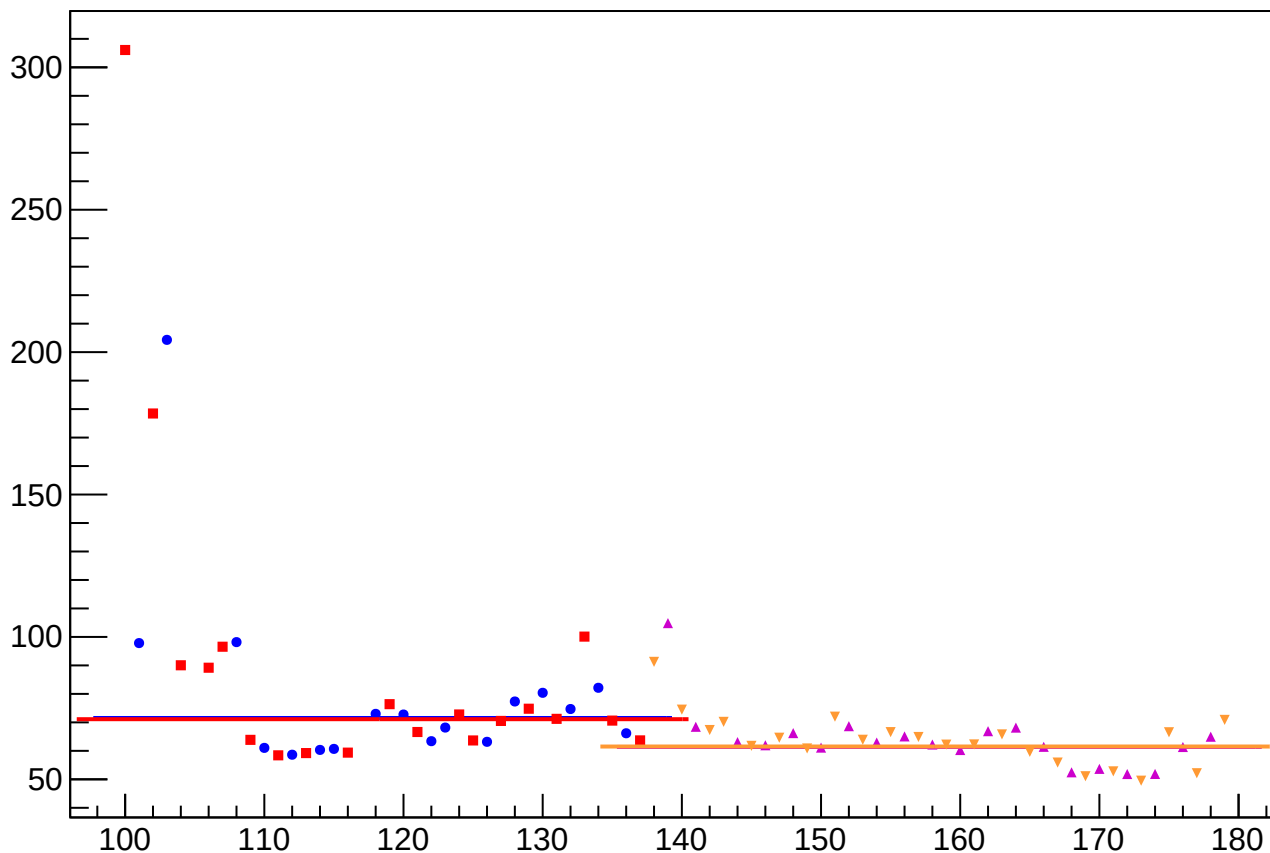
Left In: -80.956 ± 15.783 $\chi^2/\text{NDF}: 31.8/19$

+ sign 58.393 ± 13.521 $\chi^2/\text{NDF}: 68.2/38$

All: -4.088 ± 9.640 $\chi^2/\text{NDF}: 173.4/77$

- sign -68.670 ± 13.747 $\chi^2/\text{NDF}: 61.7/38$

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

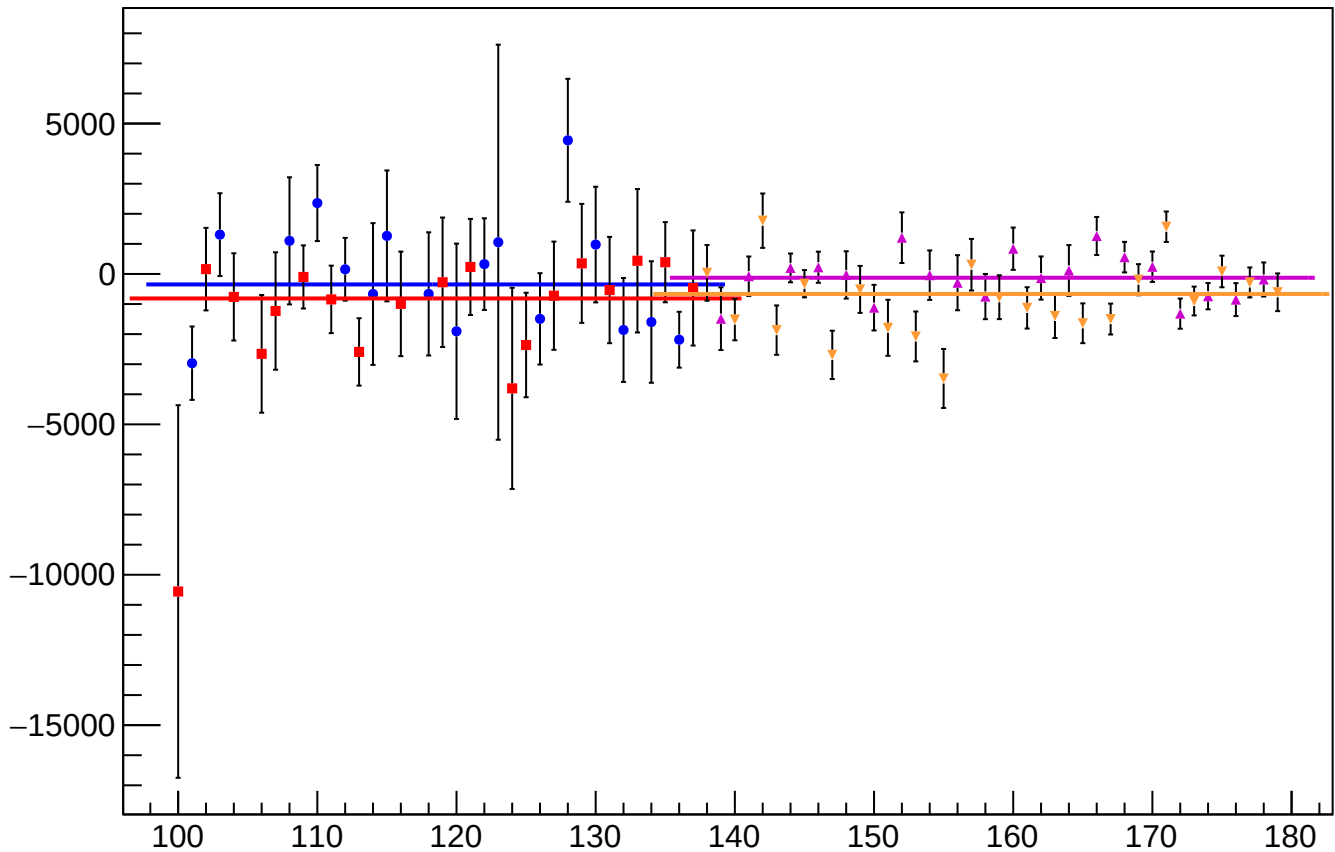
Left In: 61.360 $\pm$ 0.011 χ^2 /NDF: 508724.2/19

+ sign 63.718 $\pm$ 0.010 χ^2 /NDF: 1525132.9/38

All: 63.716 $\pm$ 0.007 χ^2 /NDF: 2983483.6/77

- sign 63.715 $\pm$ 0.010 χ^2 /NDF: 1458350.6/38

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

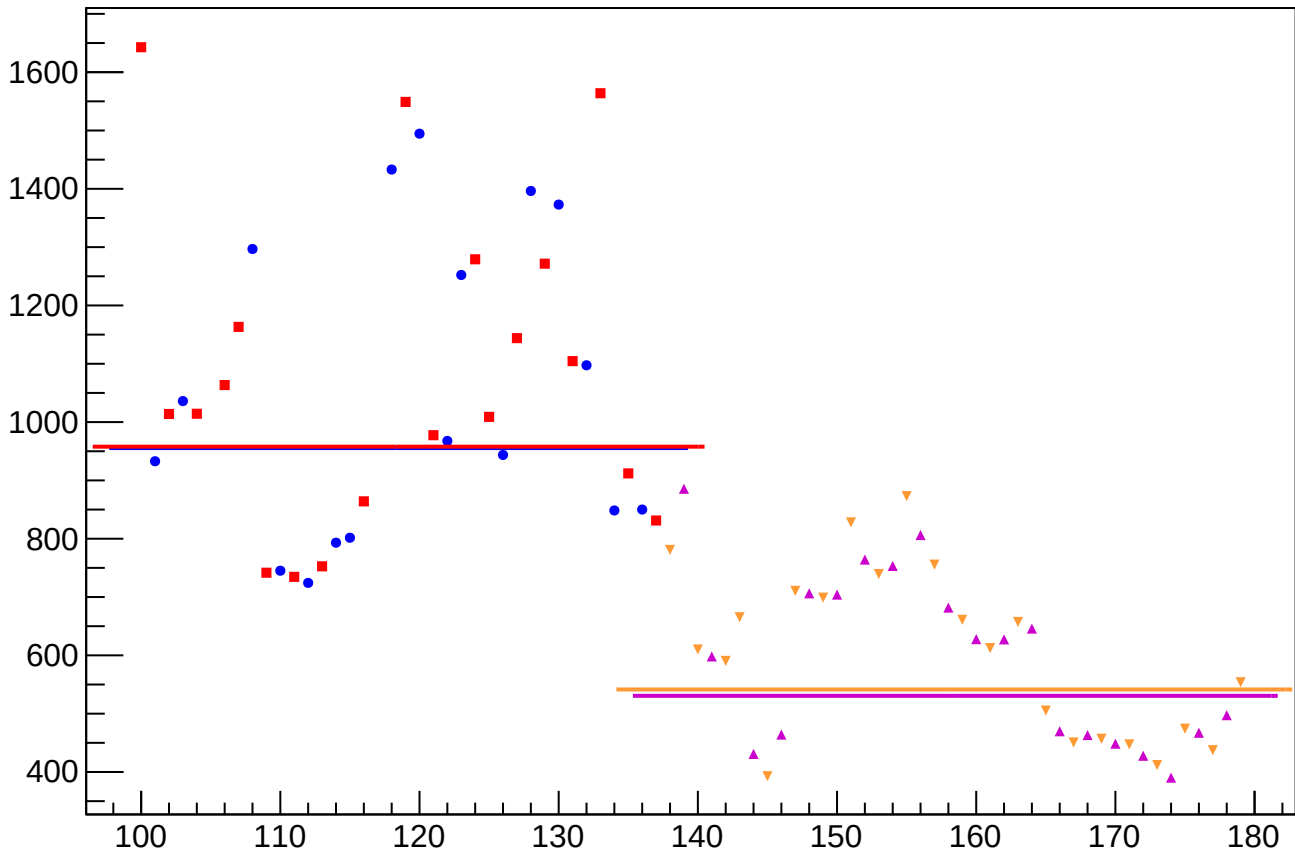
Left In: -126.148 $\pm$ 138.869 χ^2/NDF : 26.1/19

+ sign -629.217 $\pm$ 129.038 χ^2/NDF : 86.5/38

All: -421.756 $\pm$ 91.584 χ^2/NDF : 131.3/77

- sign -211.176 $\pm$ 130.005 χ^2/NDF : 39.6/38

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 541.486 $\pm$ 0.097 χ^2 /NDF: 1829845.7/21

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

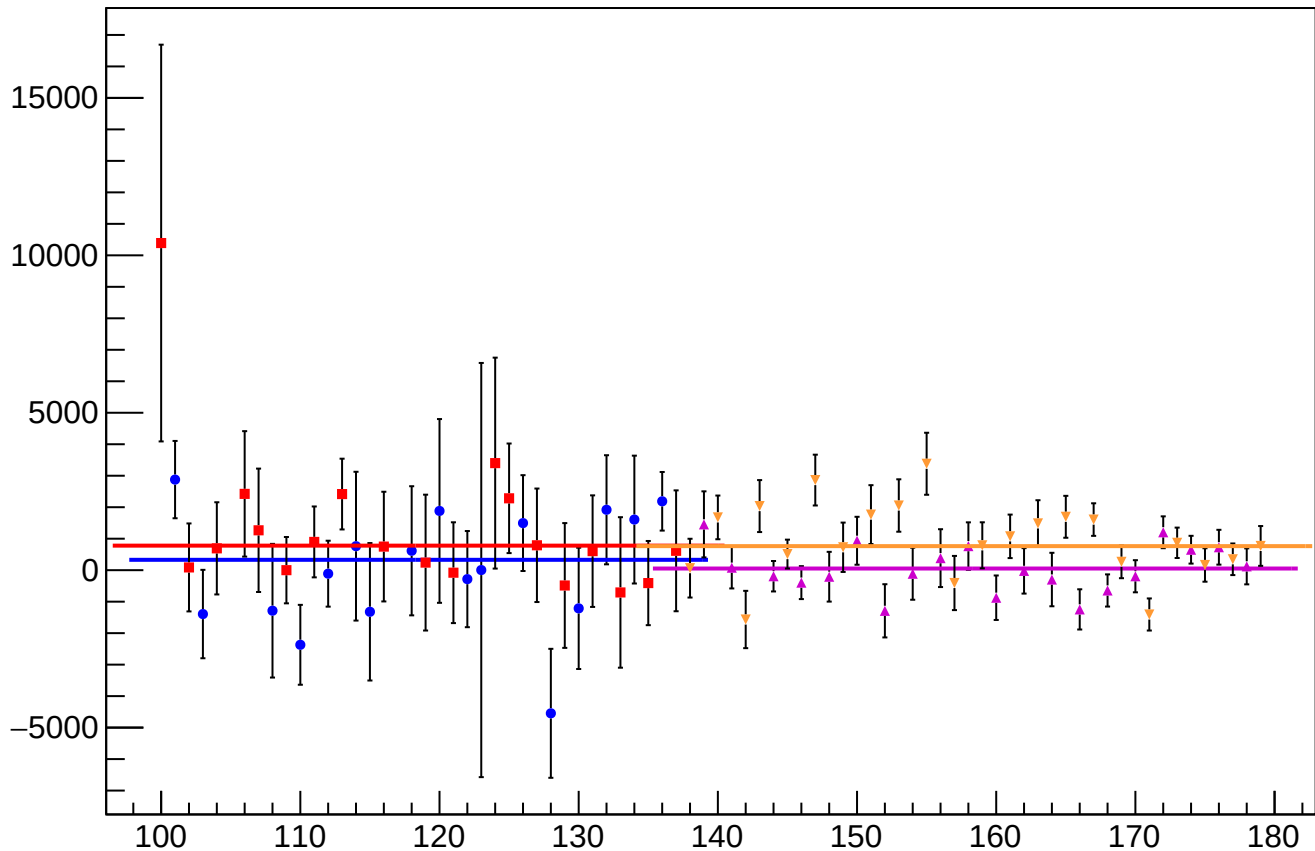
Left In: 530.601 $\pm$ 0.098 χ^2 /NDF: 1682249.2/19

+ sign 588.721 $\pm$ 0.091 χ^2 /NDF: 4556872.0/38

All: 586.082 $\pm$ 0.065 χ^2 /NDF: 9273523.9/77

- sign 583.403 $\pm$ 0.092 χ^2 /NDF: 4714965.9/38

asym_sam_37_avg_mean vs Slug



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 763.850 $\pm$ 138.081 χ^2 /NDF:57.6/21

Right Out: 779.623 $\pm$ 371.673 χ^2 /NDF: 9.3/18

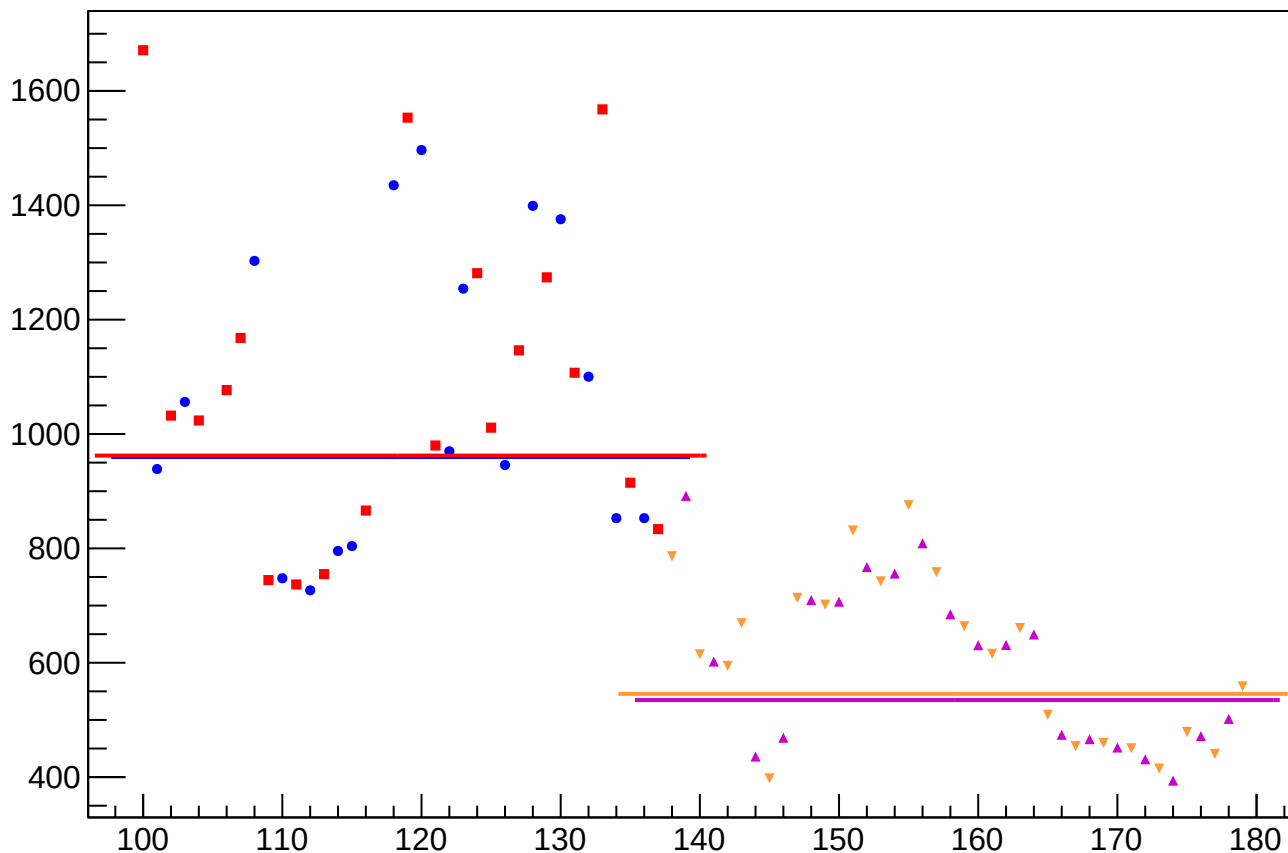
Left In: 52.440 $\pm$ 139.908 χ^2 /NDF:24.5/19

+ sign 714.017 $\pm$ 129.926 χ^2 /NDF: 83.0/38

All: 430.572 $\pm$ 92.227 χ^2 /NDF: 129.8/77

- sign 142.691 $\pm$ 130.938 χ^2 /NDF: 37.1/38

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

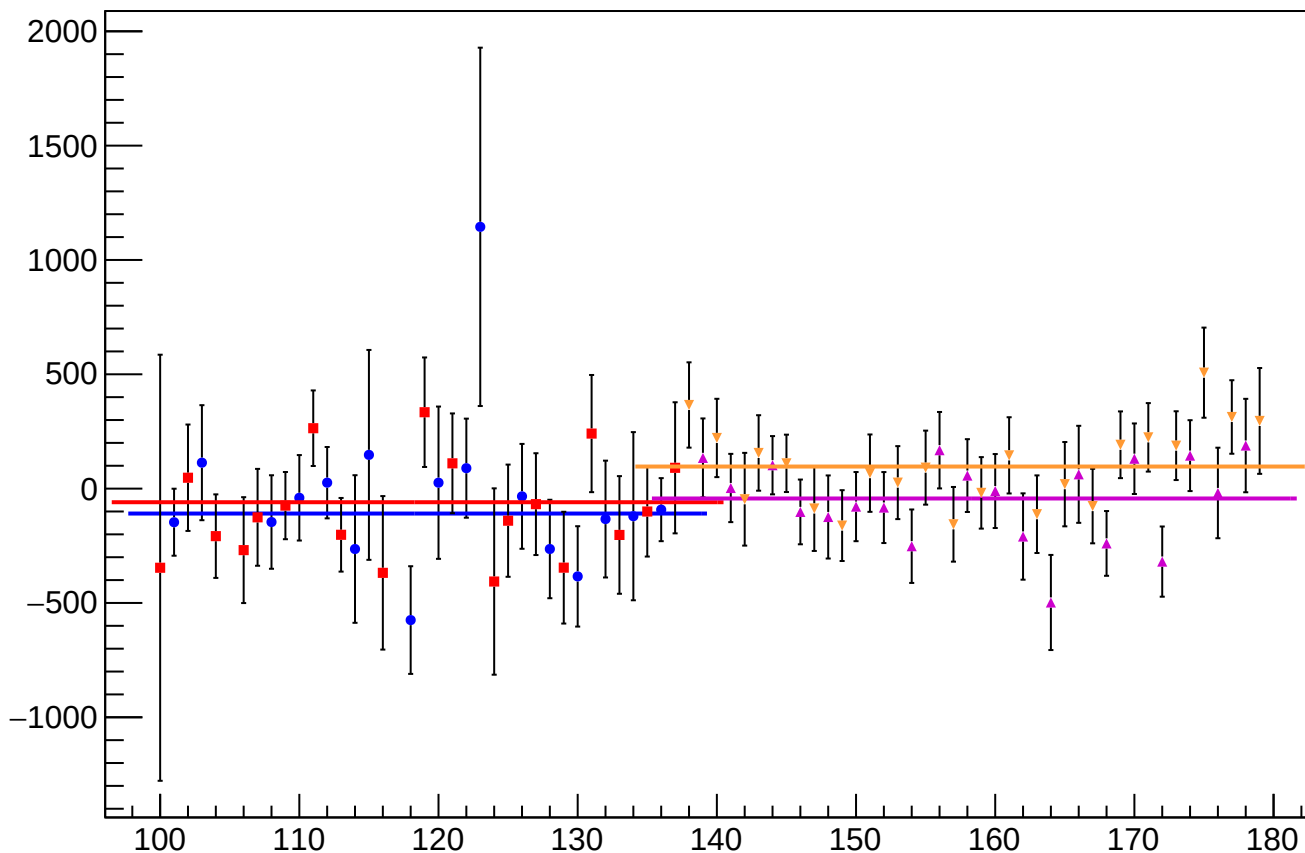
Left In: 534.812 $\pm$ 0.099 χ^2 /NDF:1656803.1/19

+ sign 593.087 $\pm$ 0.092 χ^2 /NDF: 4512036.5/38

All: 590.498 $\pm$ 0.065 χ^2 /NDF: 9183774.7/77

- sign 587.869 $\pm$ 0.093 χ^2 /NDF: 4670137.8/38

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 96.563 ± 35.235 χ^2/NDF : 21.5/21

Right Out: -59.475 ± 50.822 χ^2/NDF : 14.9/18

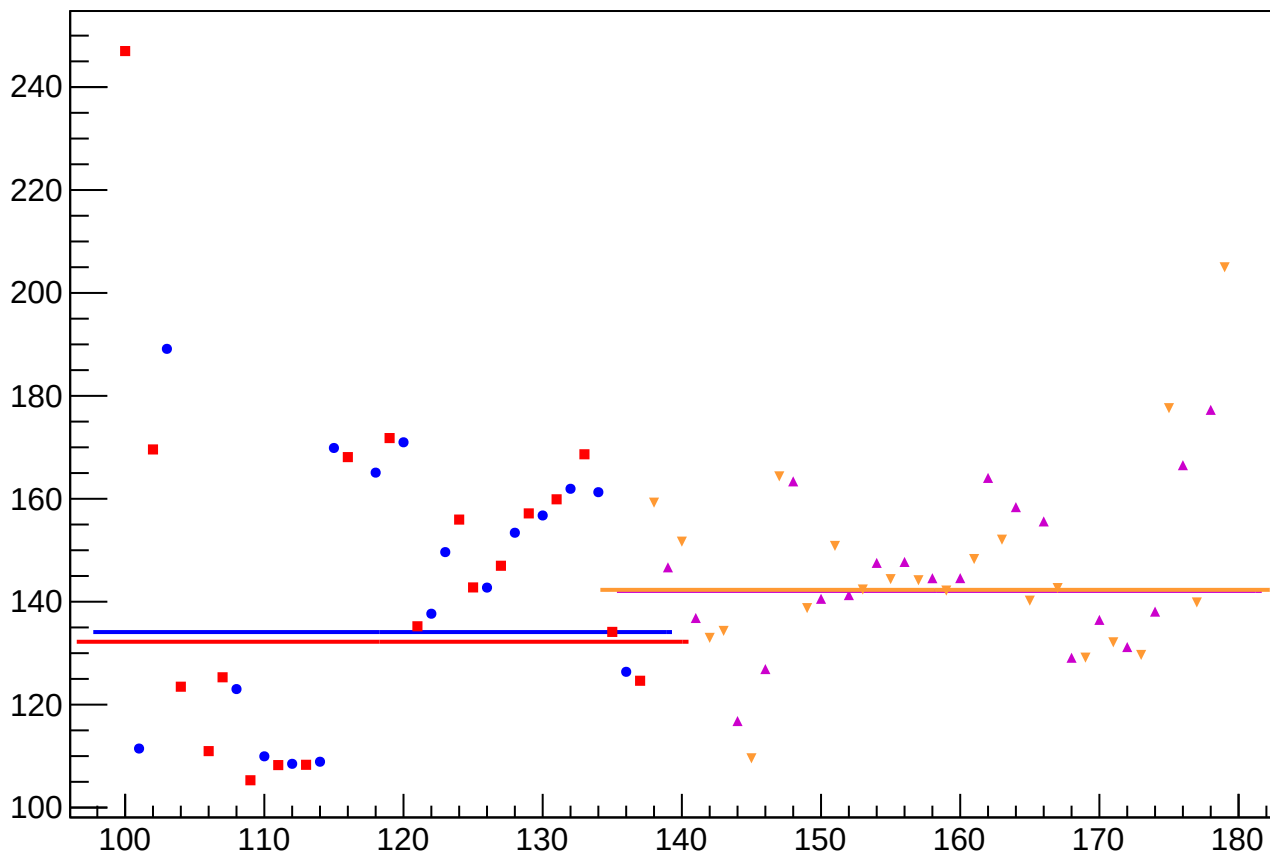
Left In: -43.157 ± 36.357 χ^2/NDF : 21.7/19

+ sign 33.437 ± 29.329 χ^2/NDF : 43.9/38

All: -7.287 ± 20.823 χ^2/NDF : 84.4/77

- sign -48.681 ± 29.569 χ^2/NDF : 36.6/38

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

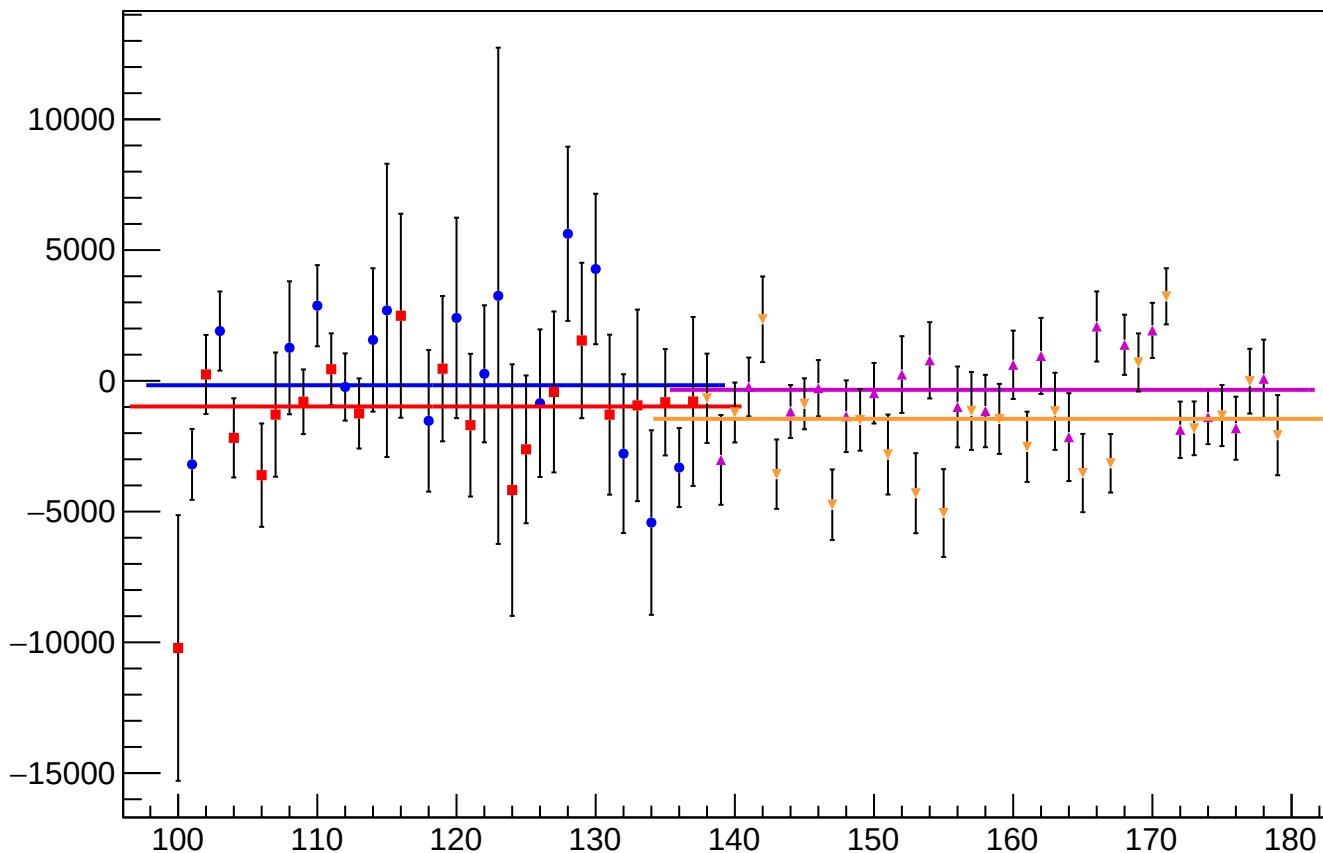
Left In: 142.094 $\pm$ 0.026 χ^2 /NDF: 307121.9/19

+ sign 139.786 $\pm$ 0.021 χ^2 /NDF: 898815.5/38

All: 139.273 $\pm$ 0.015 χ^2 /NDF: 1698858.0/77

- sign 138.751 $\pm$ 0.021 χ^2 /NDF: 798806.1/38

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

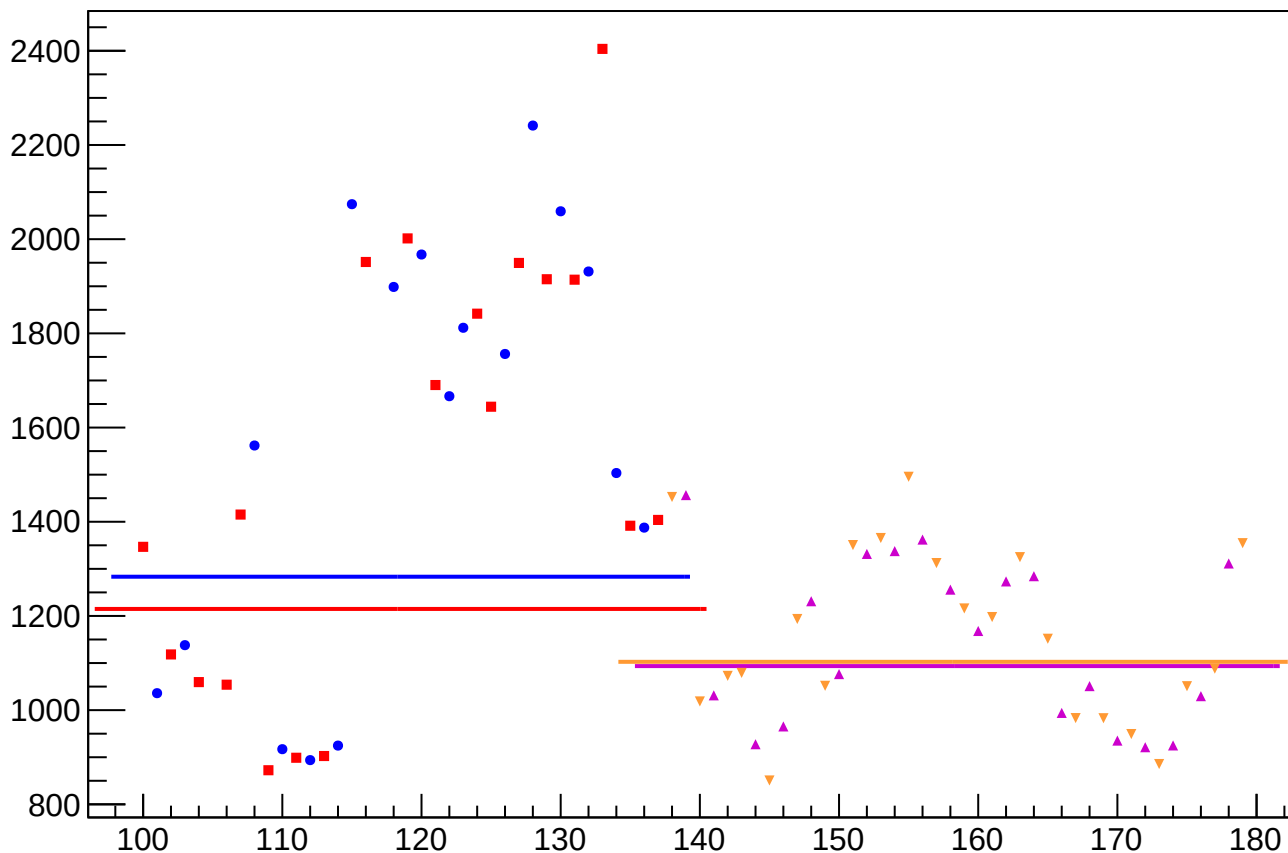
Left In: -343.582 ± 280.951 χ^2/NDF : 22.2/19

+ sign -1176.311 ± 243.033 χ^2/NDF : 82.8/38

All: -840.361 ± 171.695 χ^2/NDF : 120.2/77

- sign -505.623 ± 242.595 χ^2/NDF : 33.7/38

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

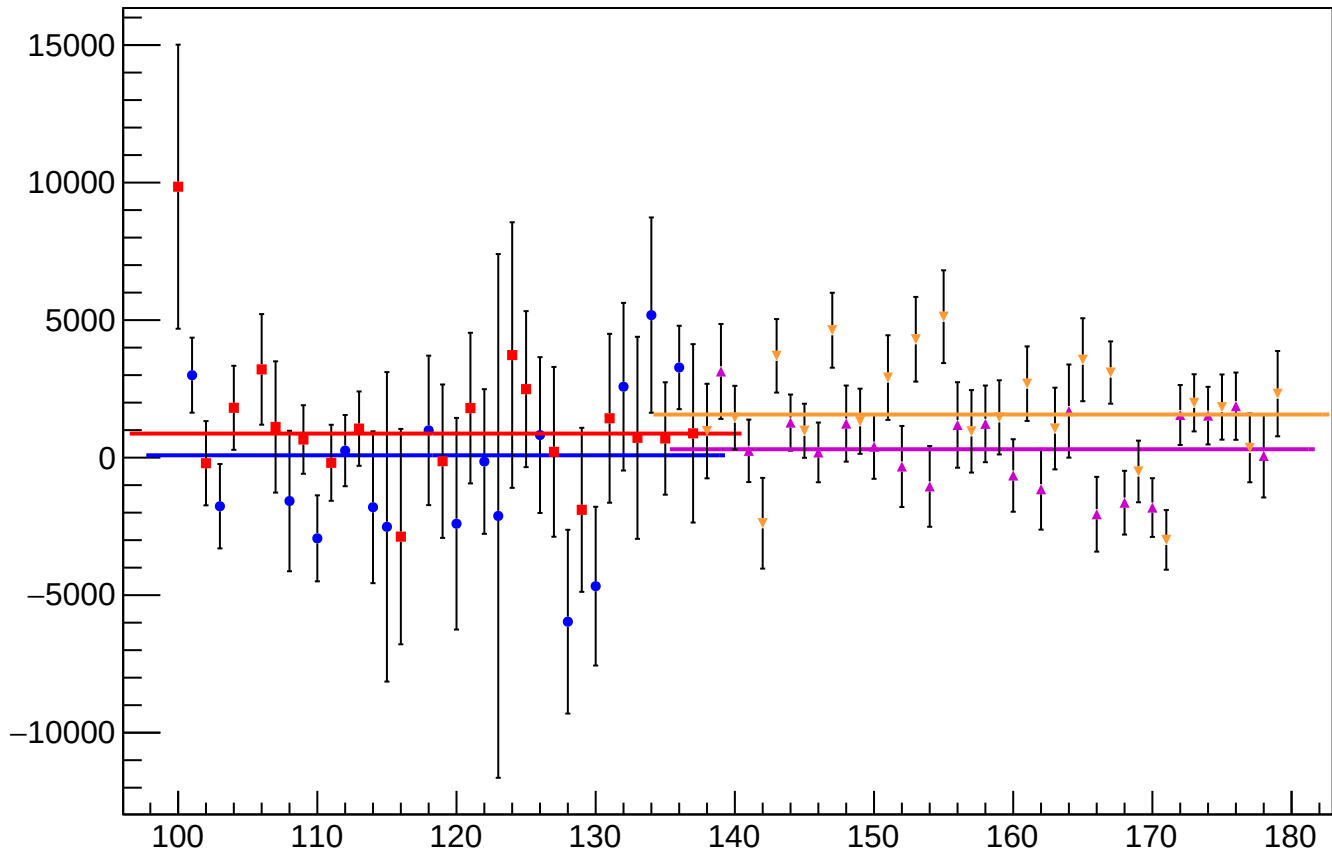
Left In: 1093.529 $\pm$ 0.199 χ^2 /NDF: 668465.9/19

+ sign 1141.521 $\pm$ 0.172 χ^2 /NDF: 2165674.2/38

All: 1132.946 $\pm$ 0.121 χ^2 /NDF: 4294902.1/77

- sign 1124.402 $\pm$ 0.172 χ^2 /NDF: 2124257.5/38

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

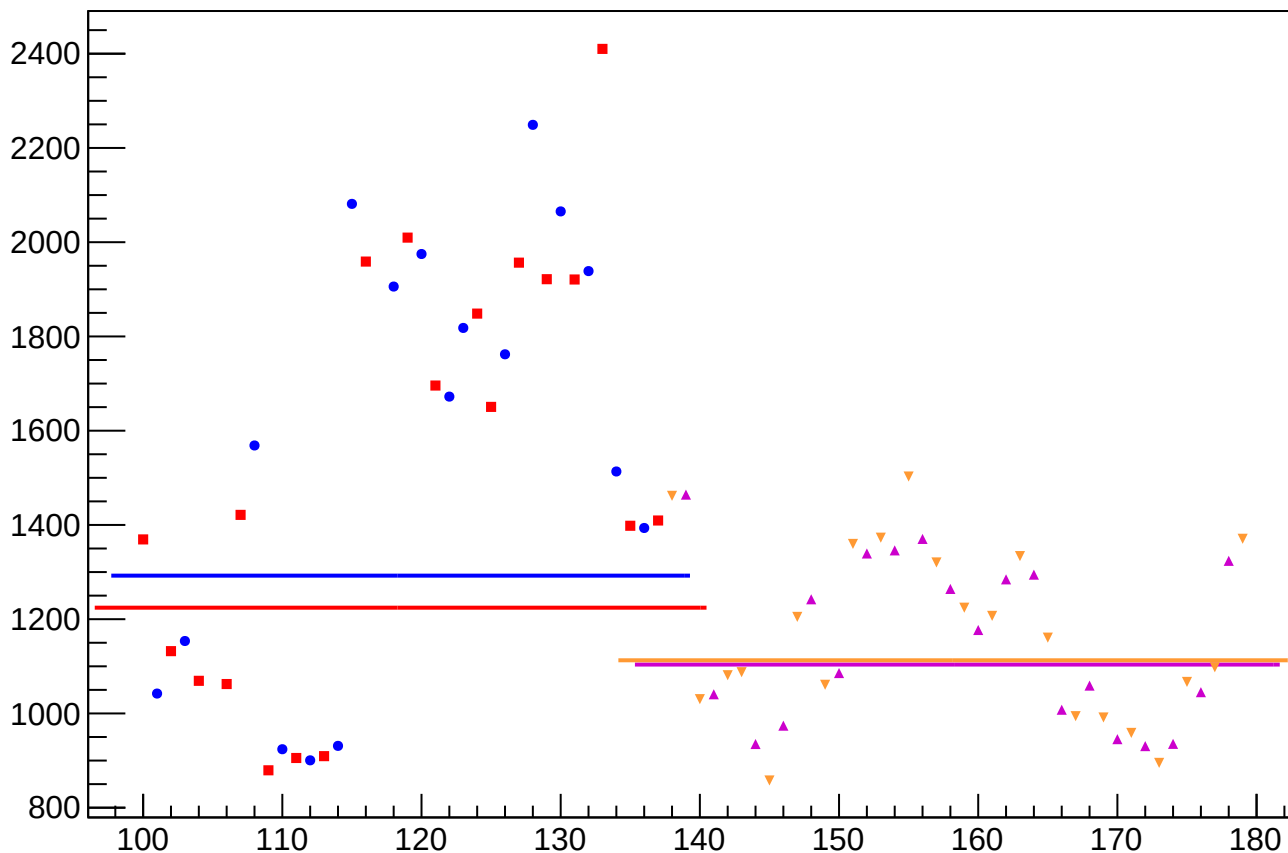
Left In: 304.785 ± 283.508 χ^2/NDF : 22.1/19

+ sign 1247.223 ± 245.091 χ^2/NDF : 80.2/38

All: 848.026 ± 173.172 χ^2/NDF : 117.3/77

- sign 450.060 ± 244.713 χ^2/NDF : 31.8/38

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

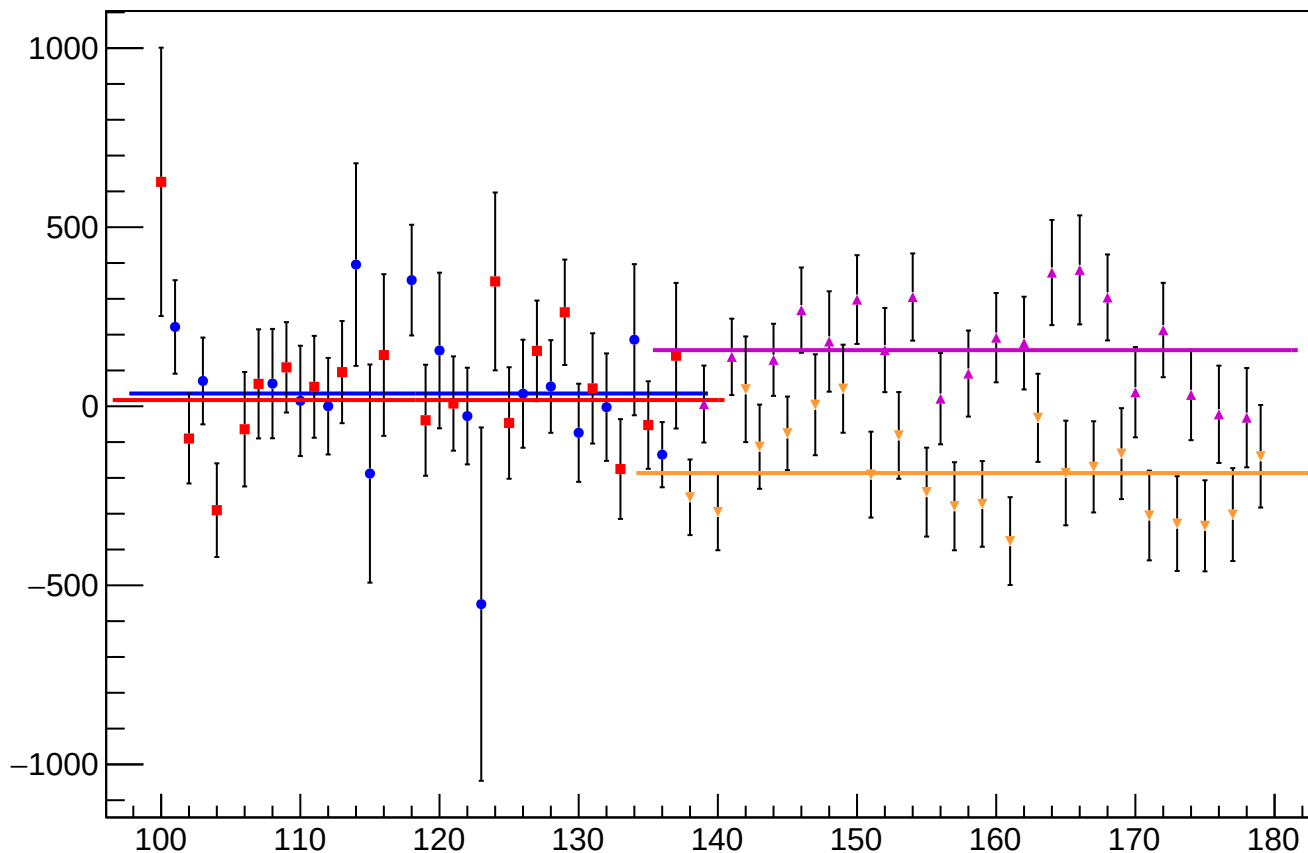
Left In: 1103.731+/-0.200 χ^2/NDF : 656167.1/19

+ sign 1151.632+/-0.173 χ^2/NDF : 2136158.9/38

All: 1143.054+/-0.122 χ^2/NDF : 4235386.0/77

- sign 1134.503+/-0.173 χ^2/NDF : 2094335.4/38

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

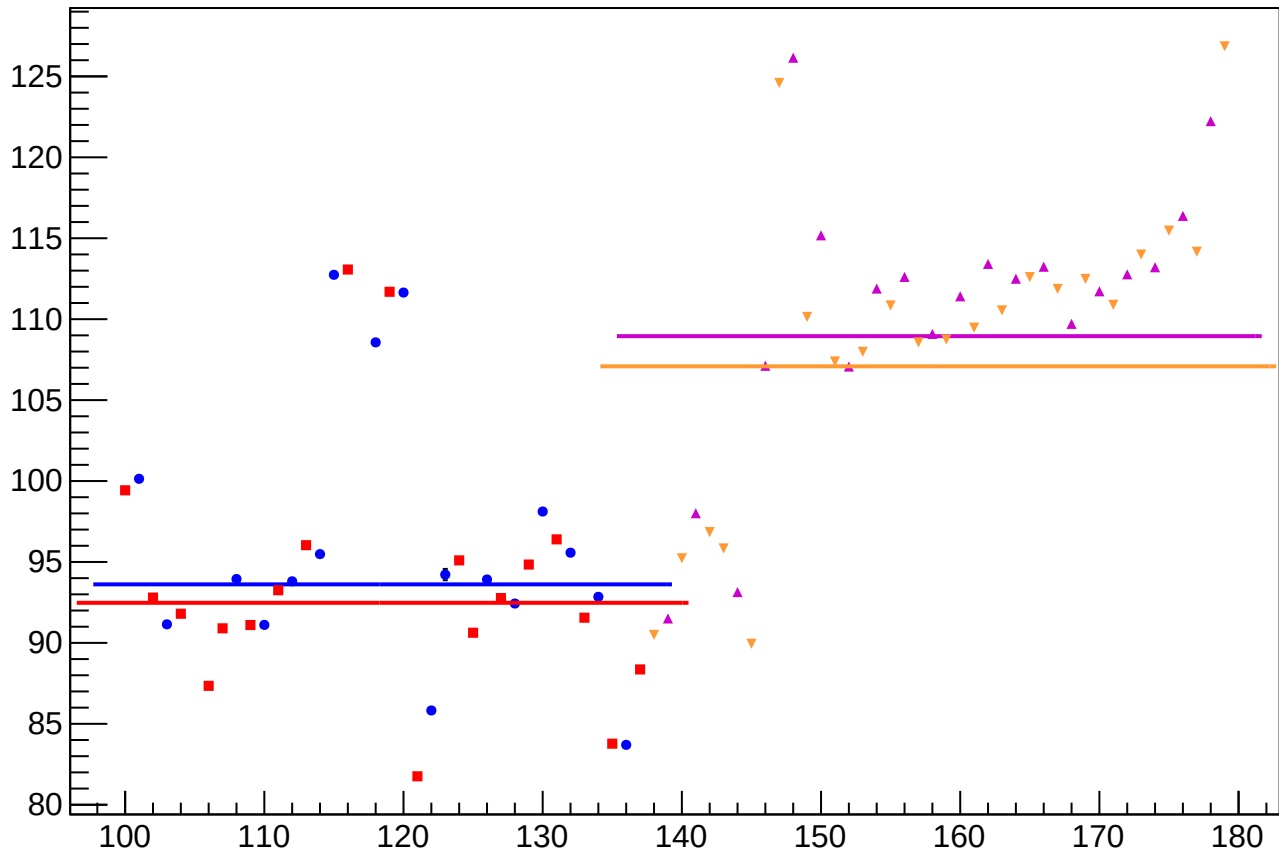
Left In: 156.716+/-27.708 χ^2/NDF : 18.8/19

+ sign -109.919+/-21.335 χ^2/NDF : 61.3/38

All: -5.284+/-15.196 χ^2/NDF : 157.6/77

- sign 102.464+/-21.650 χ^2/NDF : 47.5/38

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

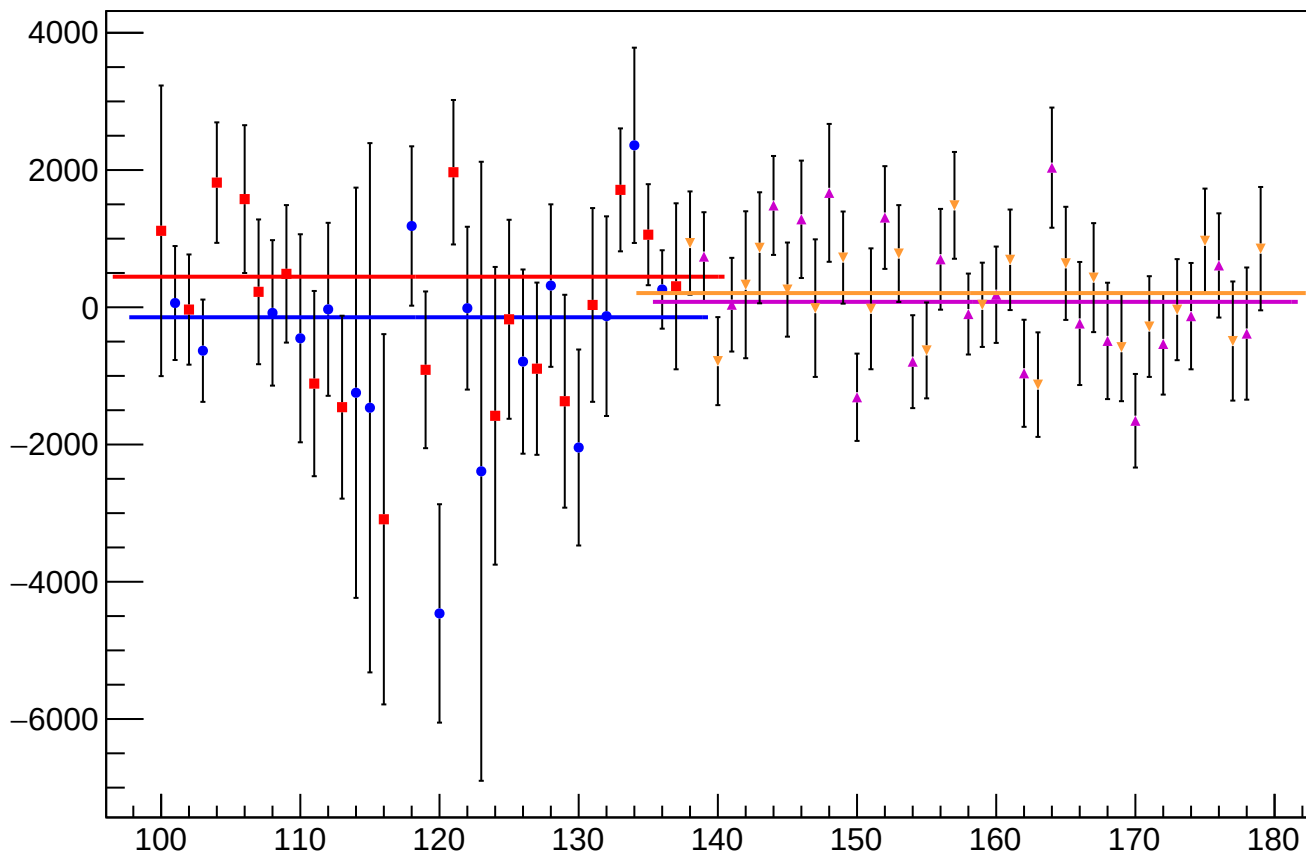
Left In: 108.951+/-0.020 χ^2/NDF : 197325.8/19

+ sign 102.447+/-0.015 χ^2/NDF : 524293.1/38

All: 102.490+/-0.011 χ^2/NDF : 1075578.5/77

- sign 102.535+/-0.015 χ^2/NDF : 551268.5/38

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 207.001 ± 162.573 $\chi^2/\text{NDF}: 17.2/21$

Right Out: 445.575 ± 260.276 $\chi^2/\text{NDF}: 19.0/18$

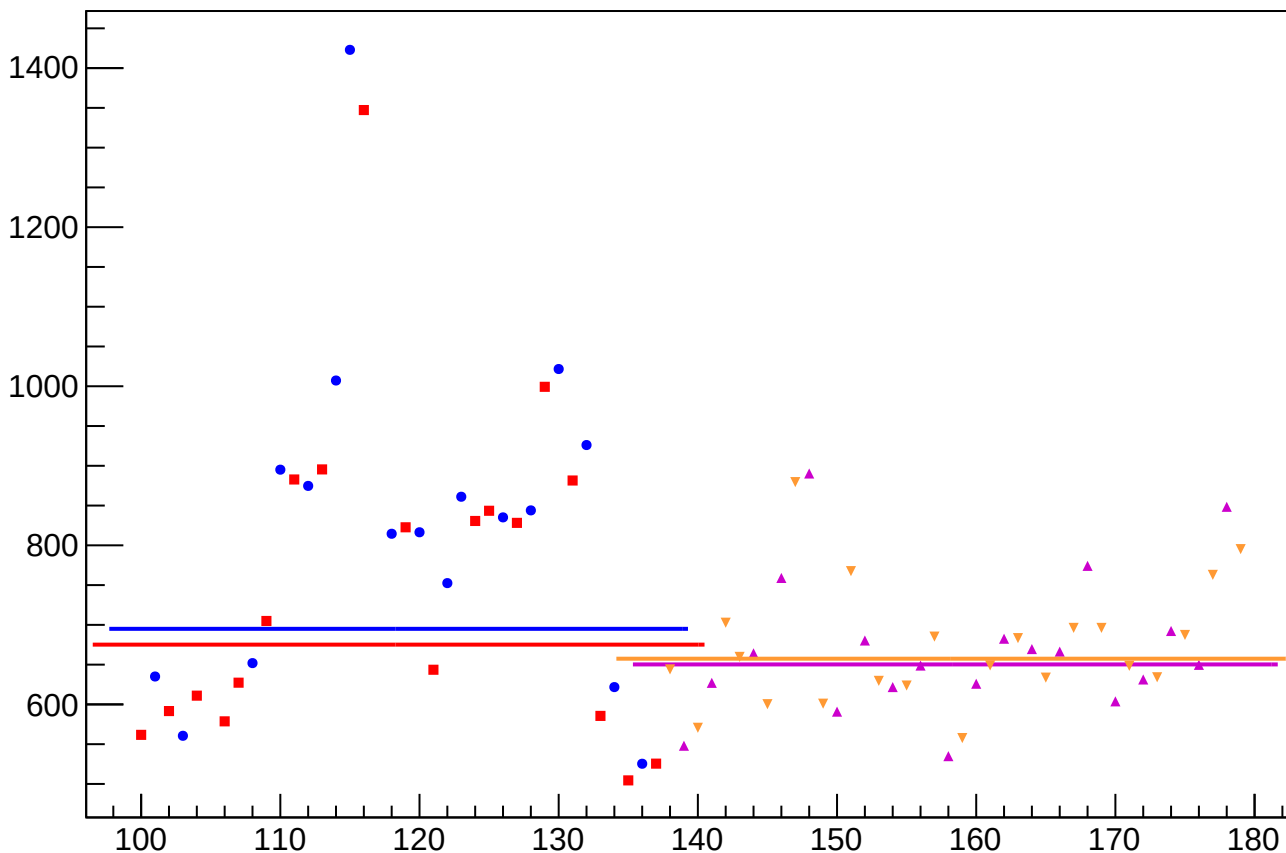
Left In: 78.932 ± 166.539 $\chi^2/\text{NDF}: 34.6/19$

+ sign 116.517 ± 140.161 $\chi^2/\text{NDF}: 33.9/38$

All: 150.947 ± 99.151 $\chi^2/\text{NDF}: 88.9/77$

- sign 185.437 ± 140.280 $\chi^2/\text{NDF}: 54.9/38$

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 657.466 $\pm$ 0.115 χ^2 /NDF: 357121.1/21

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

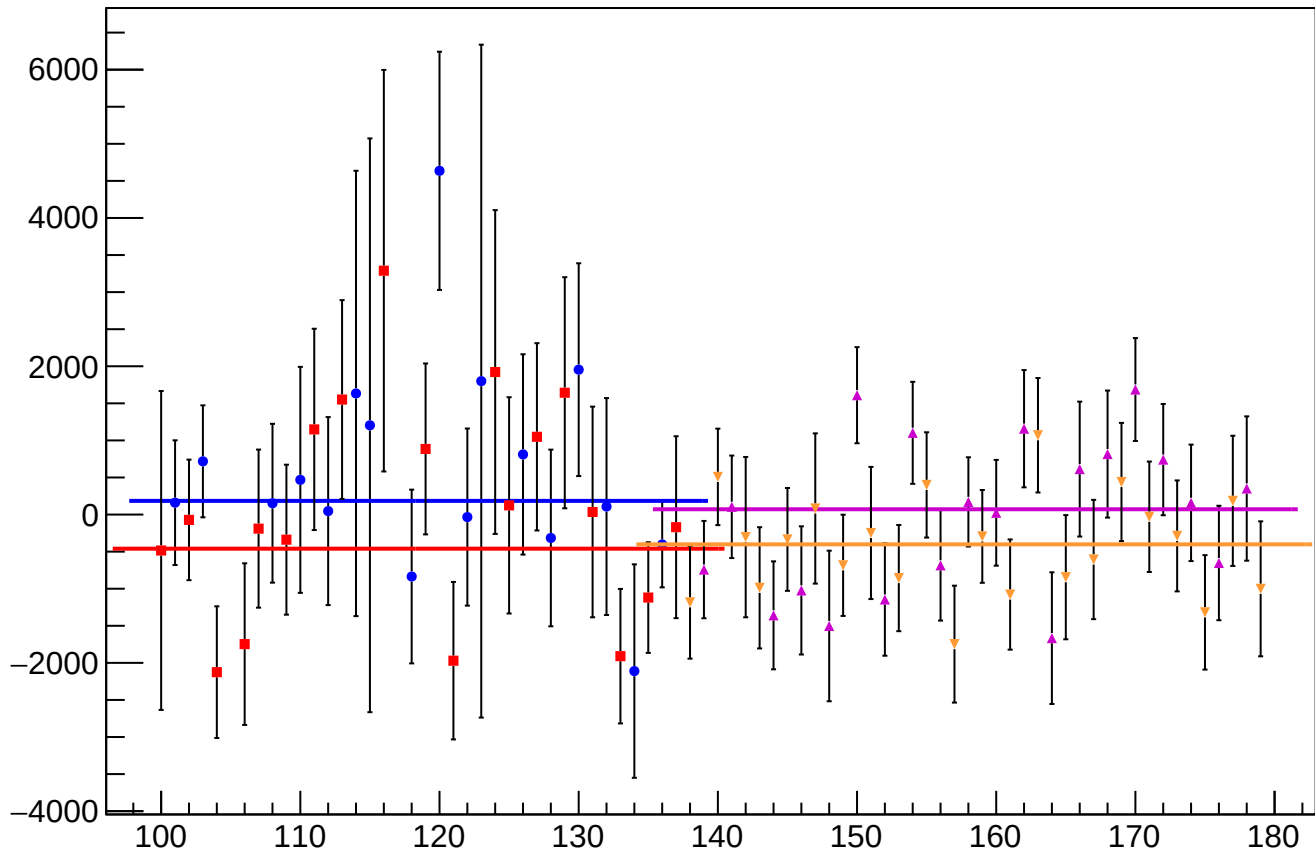
Left In: 650.259 $\pm$ 0.118 χ^2 /NDF: 451499.6/19

+ sign 667.105 $\pm$ 0.099 χ^2 /NDF: 1062222.3/38

All: 662.302 $\pm$ 0.070 χ^2 /NDF: 2207796.3/77

- sign 657.490 $\pm$ 0.099 χ^2 /NDF: 1140872.1/38

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

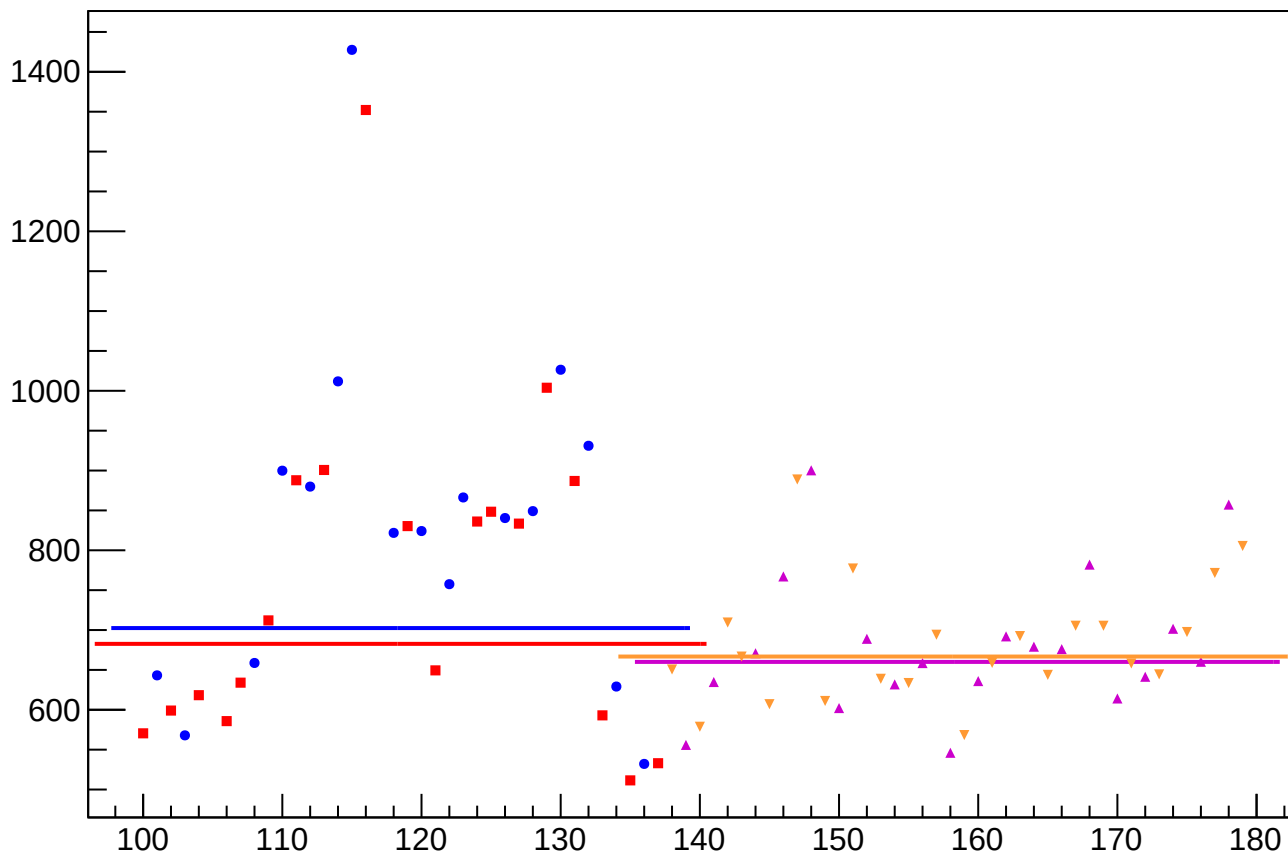
Left In: 71.481 ± 168.978 χ^2/NDF : 34.9/19

+ sign -250.295 ± 141.960 χ^2/NDF : 35.3/38

All: -167.211 ± 100.451 χ^2/NDF : 96.1/77

- sign -83.897 ± 142.157 χ^2/NDF : 60.1/38

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

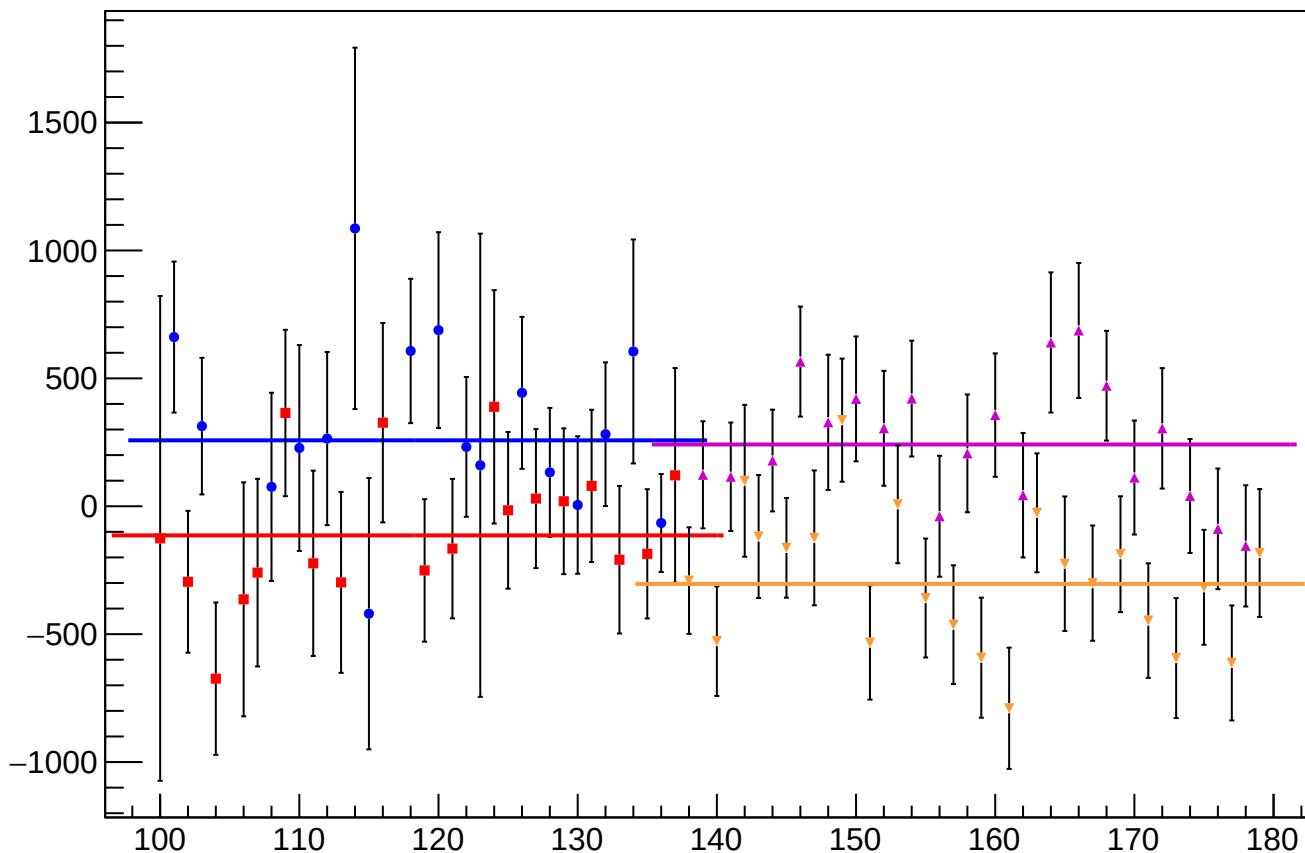
Left In: 660.038 $\pm$ 0.119 χ^2 /NDF: 435527.3/19

+ sign 675.980 $\pm$ 0.100 χ^2 /NDF: 1033186.4/38

All: 671.321 $\pm$ 0.071 χ^2 /NDF: 2143025.7/77

- sign 666.650 $\pm$ 0.101 χ^2 /NDF: 1105526.1/38

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

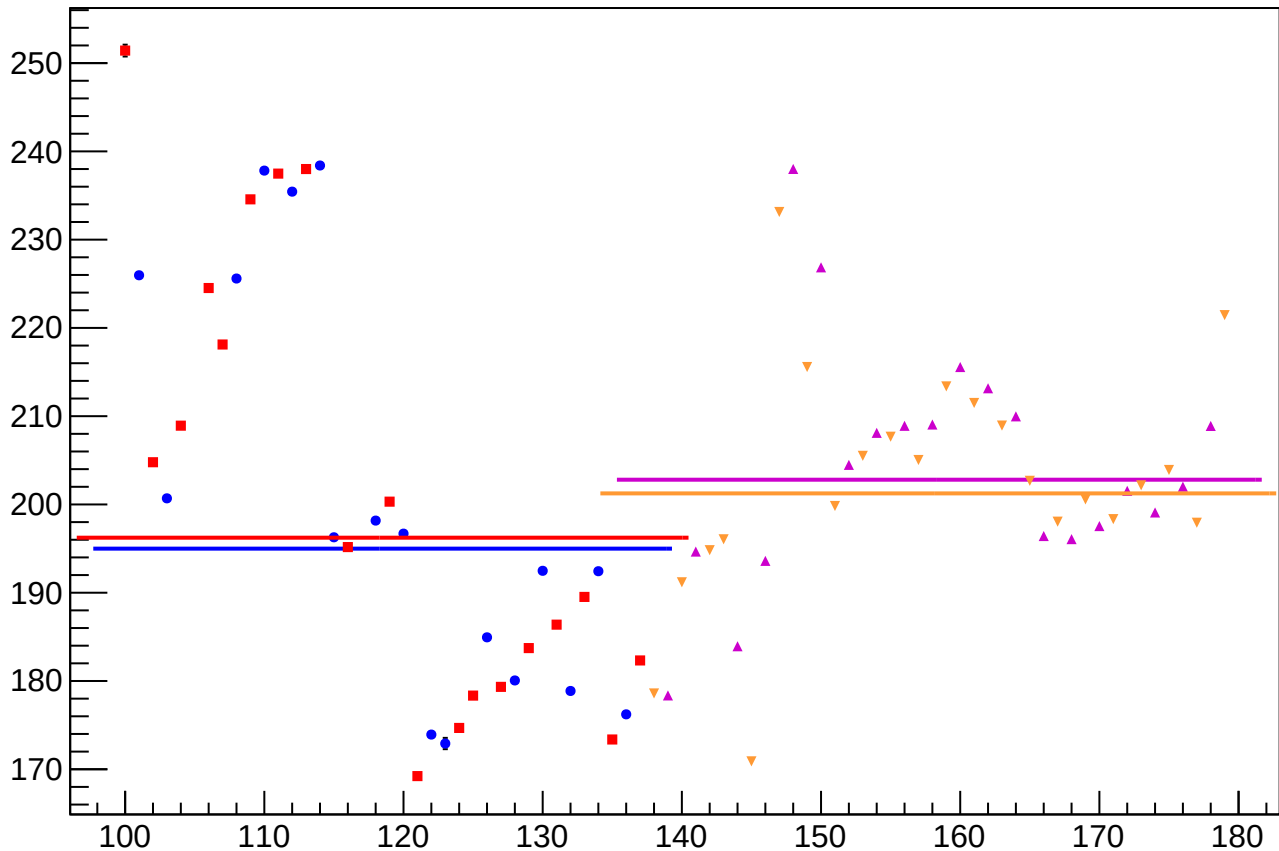
Left In: 241.552 ± 51.520 χ^2/NDF : 18.8/19

+ sign -136.555 ± 41.424 χ^2/NDF : 78.0/38

All: -8.104 ± 29.603 χ^2/NDF : 143.1/77

- sign 125.968 ± 42.321 χ^2/NDF : 45.5/38

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

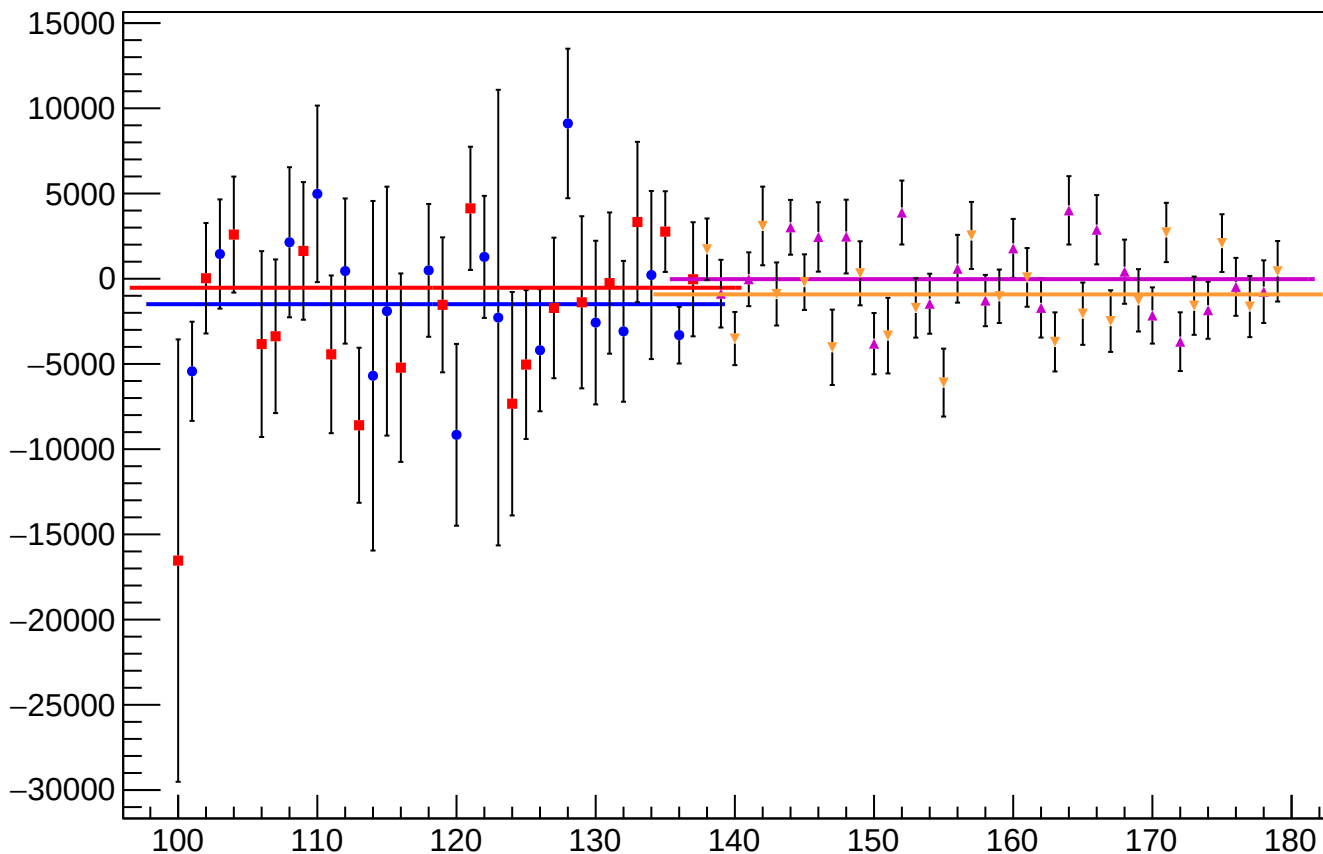
Left In: 202.803 $\pm$ 0.036 χ^2 /NDF:127571.1/19

+ sign 199.390 $\pm$ 0.029 χ^2 /NDF: 297336.7/38

All: 200.015 $\pm$ 0.021 χ^2 /NDF: 609902.3/77

- sign 200.667 $\pm$ 0.030 χ^2 /NDF: 311635.6/38

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

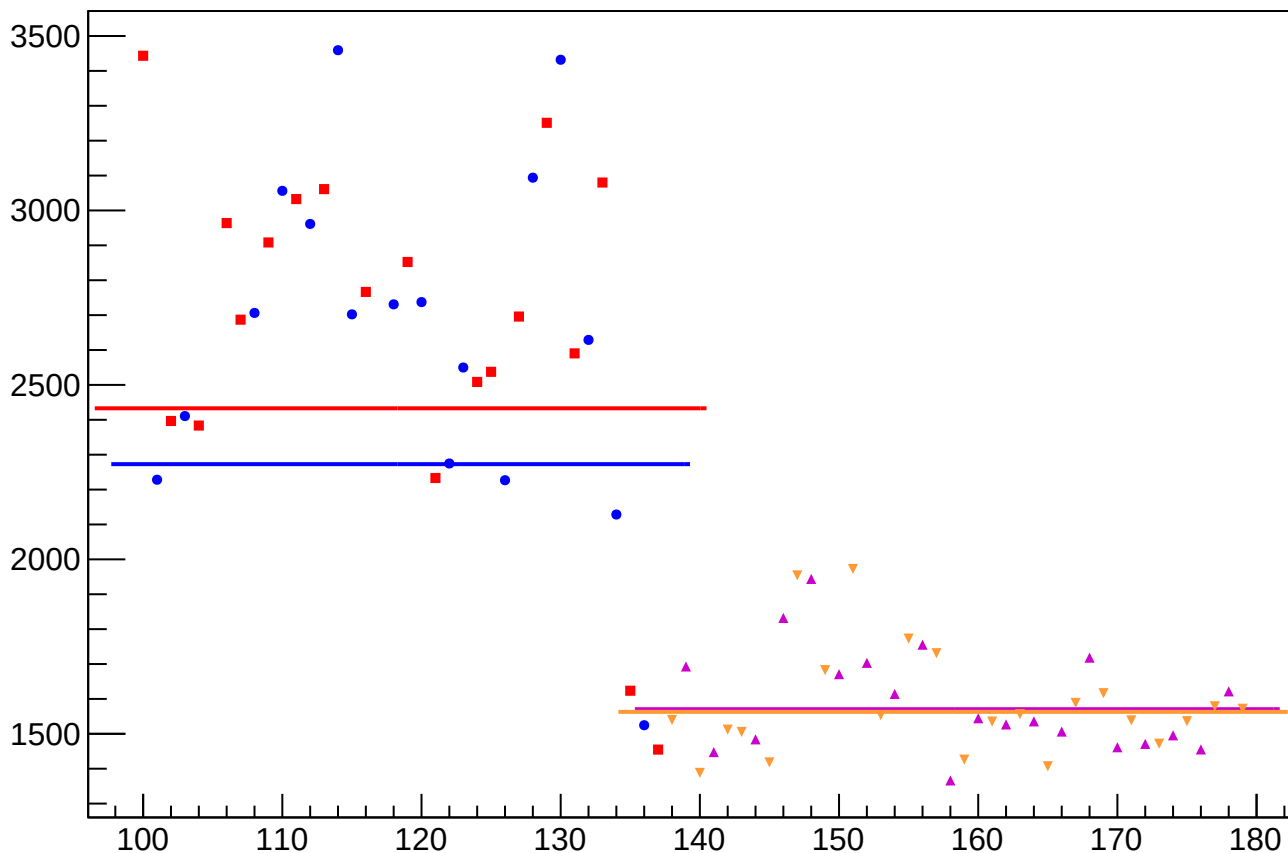
Left In: -24.686 ± 400.210 χ^2/NDF : 32.6/19

+ sign -1006.186 ± 354.929 χ^2/NDF : 50.8/38

All: -570.695 ± 255.437 χ^2/NDF : 101.4/77

- sign -102.777 ± 367.906 χ^2/NDF : 47.5/38

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883 $\pm$ 0.644 χ^2/NDF : 805650.3/16

Left Out: 1562.907 $\pm$ 0.273 χ^2/NDF : 259186.4/21

Right Out: 2432.950 $\pm$ 0.661 χ^2/NDF : 680783.9/18

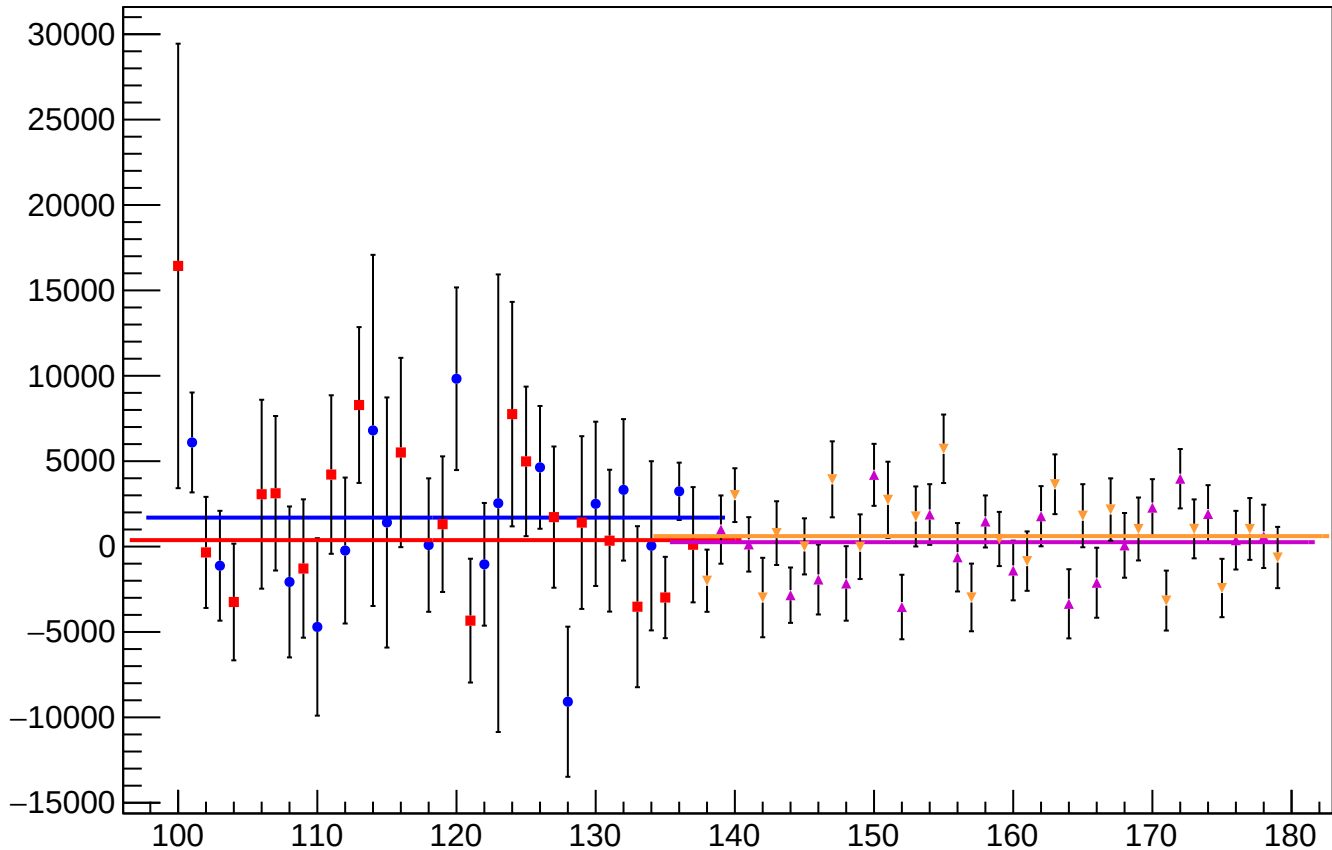
Left In: 1570.587 $\pm$ 0.283 χ^2/NDF : 236344.4/19

+ sign 1670.714 $\pm$ 0.251 χ^2/NDF : 2095492.9/38

All: 1686.849 $\pm$ 0.181 χ^2/NDF : 4459815.2/77

- sign 1704.186 $\pm$ 0.260 χ^2/NDF : 2355748.4/38

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

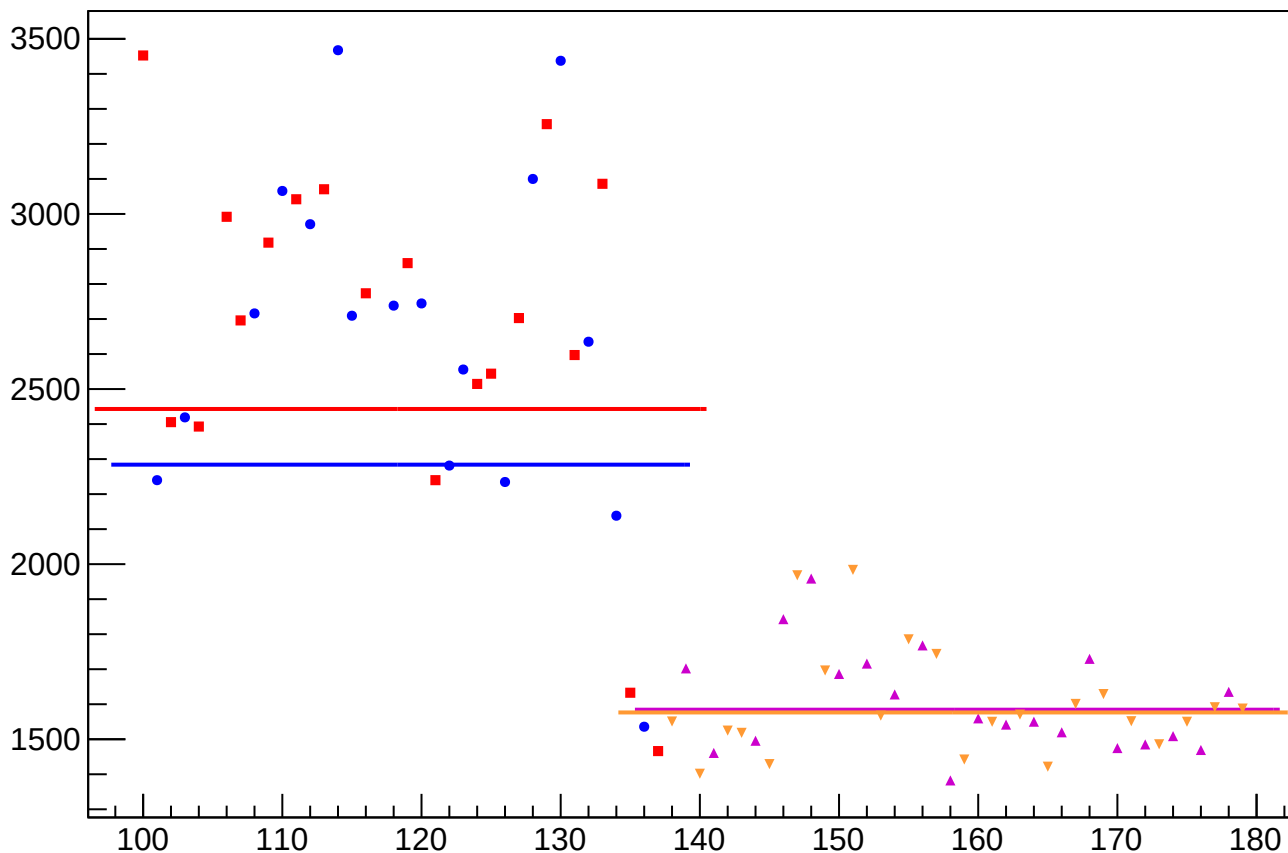
Left In: 257.714 ± 403.672 χ^2/NDF : 29.8/19

+ sign 777.873 ± 357.743 χ^2/NDF : 51.5/38

All: 536.155 ± 257.463 χ^2/NDF : 97.2/77

- sign 276.434 ± 370.826 χ^2/NDF : 44.8/38

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

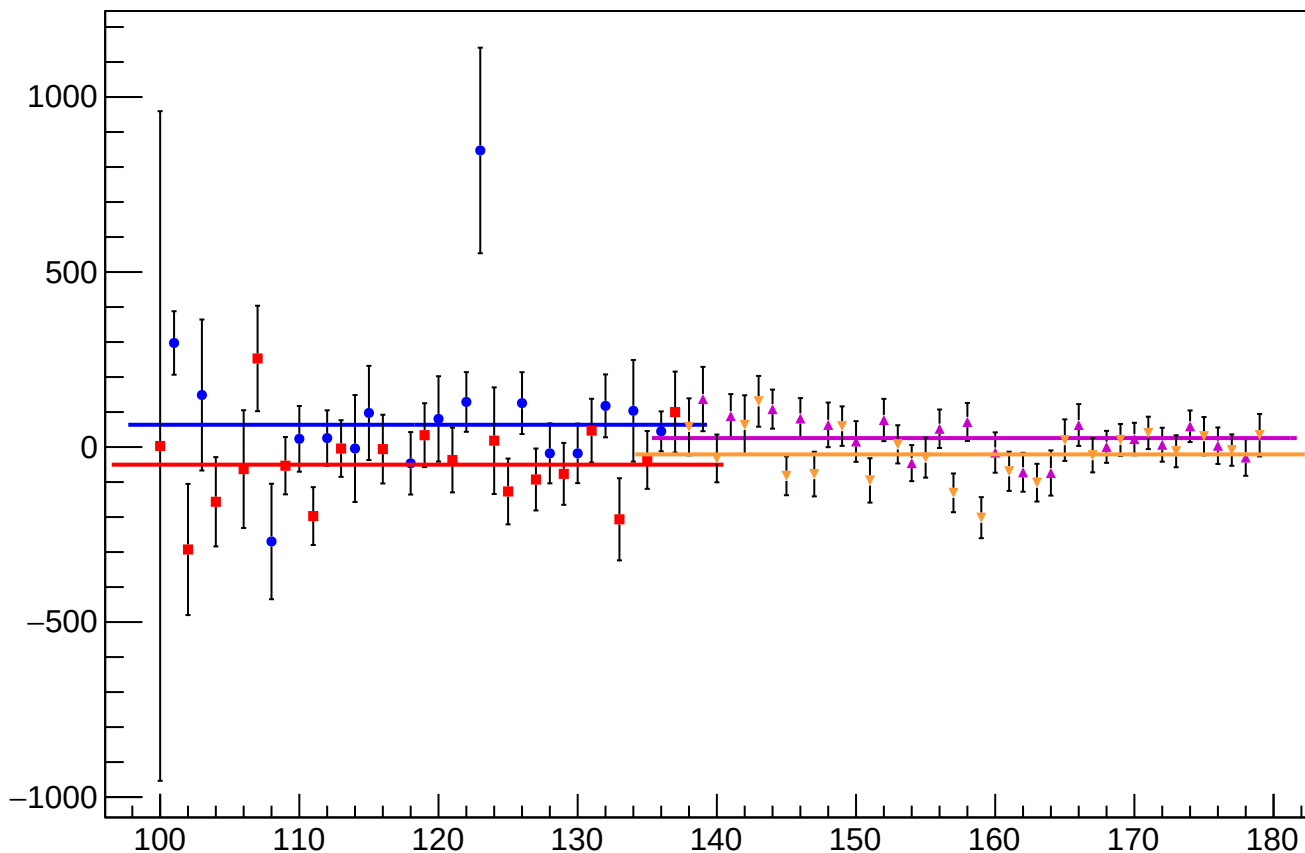
Left In: 1584.405+/-0.285 χ^2/NDF : 230544.0/19

+ sign 1684.716+/-0.253 χ^2/NDF : 2061688.5/38

All: 1700.985+/-0.182 χ^2/NDF : 4386640.8/77

- sign 1718.464+/-0.262 χ^2/NDF : 2316372.5/38

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

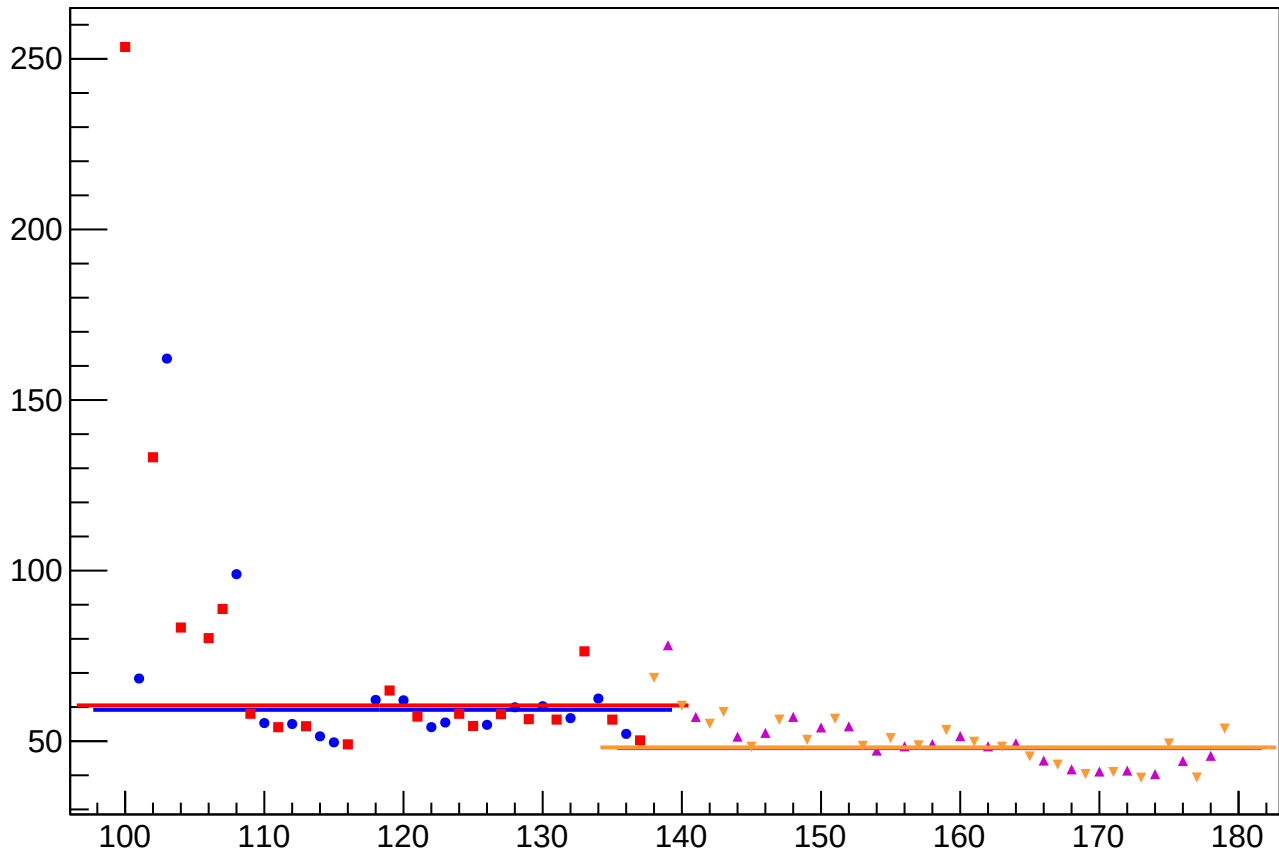
Left In: 25.650 ± 12.319 χ^2/NDF : 18.3/19

+ sign -3.821 ± 10.685 χ^2/NDF : 67.2/38

All: 2.669 ± 7.639 χ^2/NDF : 111.1/77

- sign 9.457 ± 10.927 χ^2/NDF : 43.2/38

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

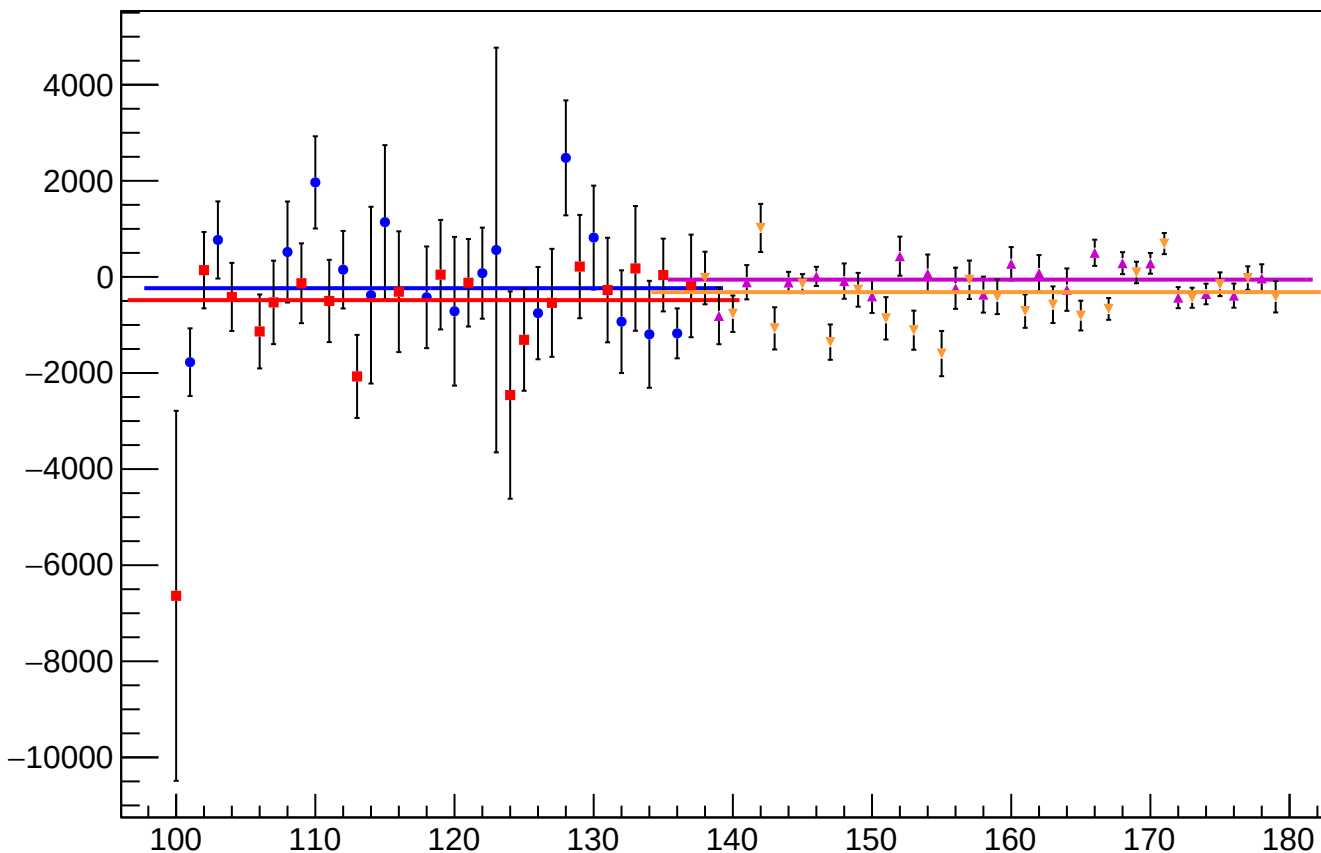
Left In: 47.976 $\pm$ 0.009 χ^2 /NDF: 568794.7/19

+ sign 50.410 $\pm$ 0.008 χ^2 /NDF: 1648331.0/38

All: 50.524 $\pm$ 0.005 χ^2 /NDF: 3337325.8/77

- sign 50.643 $\pm$ 0.008 χ^2 /NDF: 1688527.6/38

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

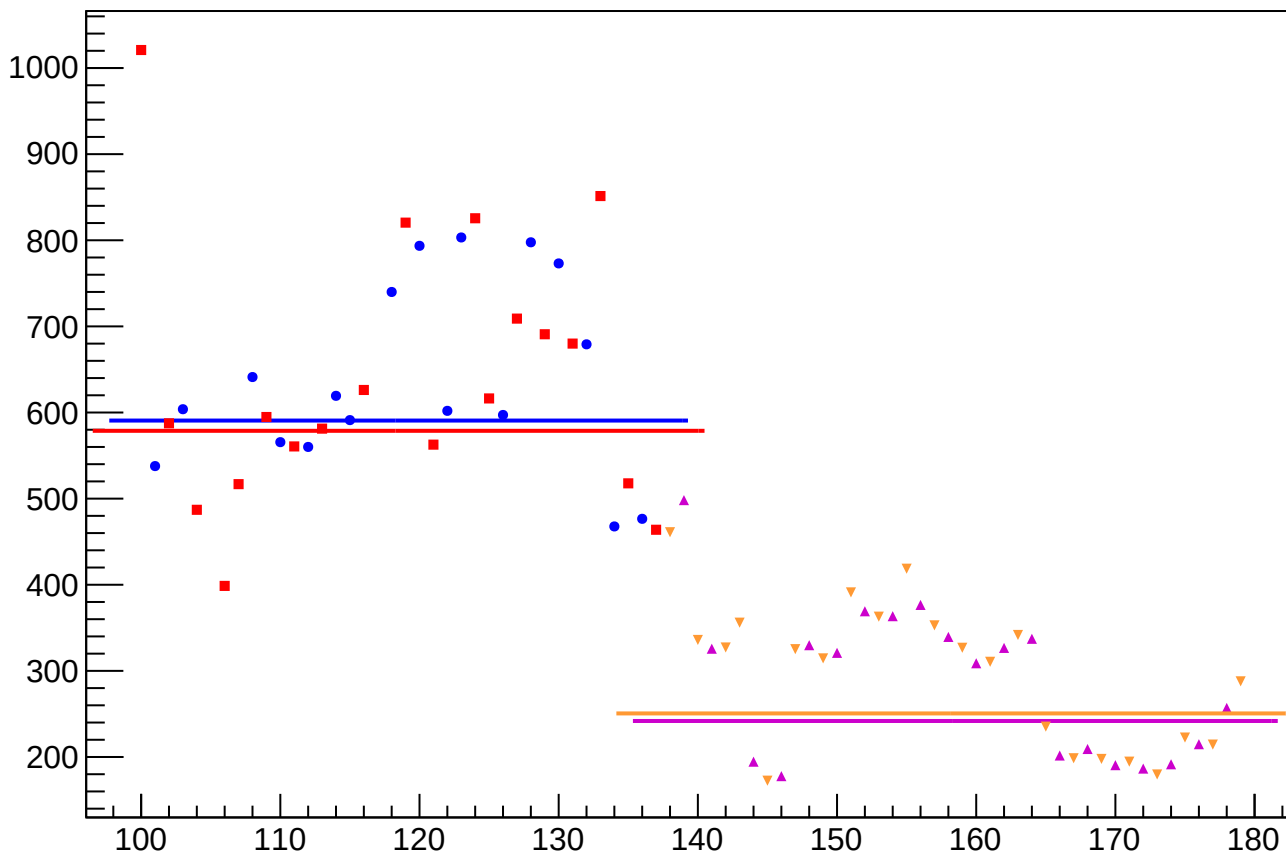
Left In: -56.214 ± 64.294 χ^2/NDF : 22.1/19

+ sign -310.546 ± 62.066 χ^2/NDF : 91.4/38

All: -199.320 ± 43.780 χ^2/NDF : 133.9/77

- sign -89.178 ± 61.763 χ^2/NDF : 36.1/38

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

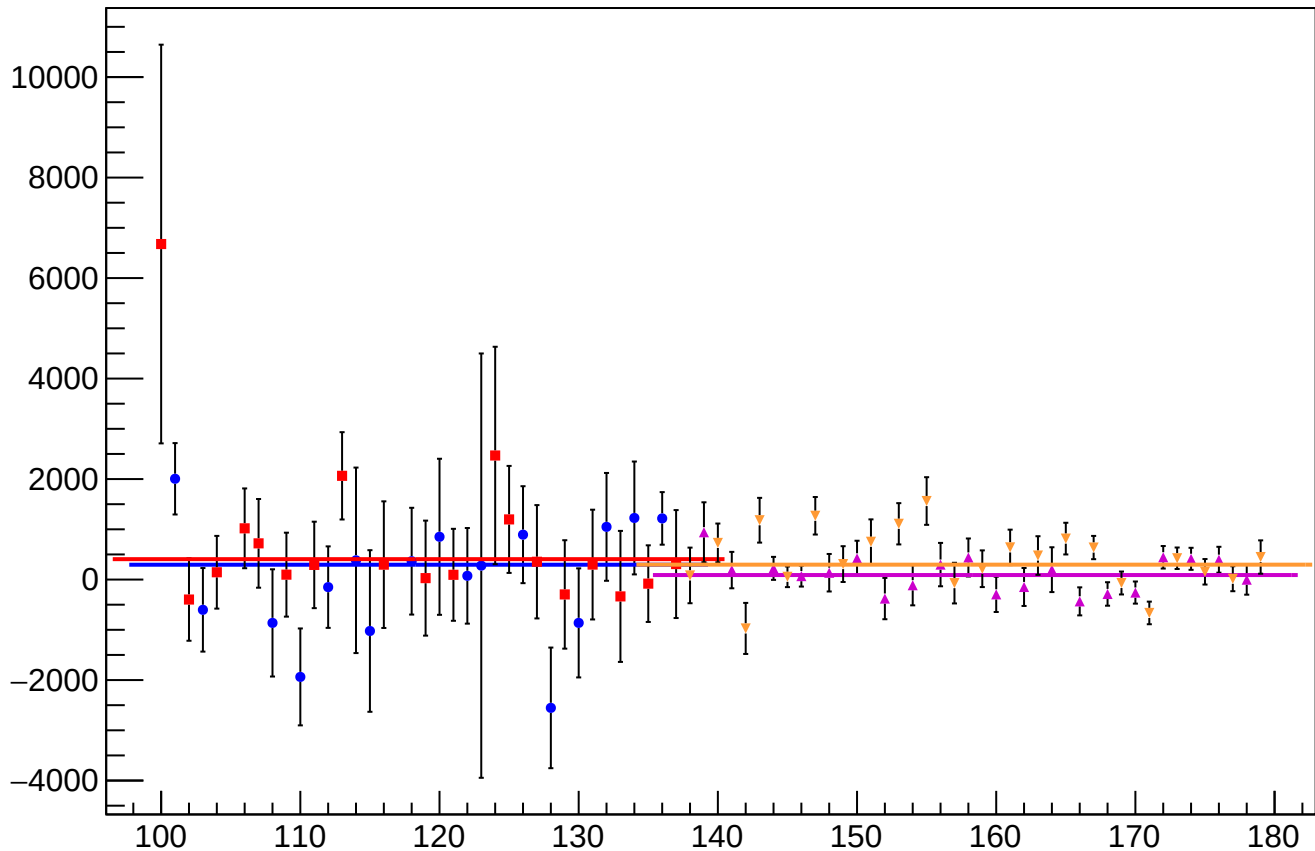
Left In: 241.814 $\pm$ 0.045 χ^2 /NDF: 2460877.7/19

+ sign 274.536 $\pm$ 0.044 χ^2 /NDF: 6983070.1/38

All: 271.161 $\pm$ 0.031 χ^2 /NDF: 14189192.8/77

- sign 267.819 $\pm$ 0.044 χ^2 /NDF: 7194355.0/38

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

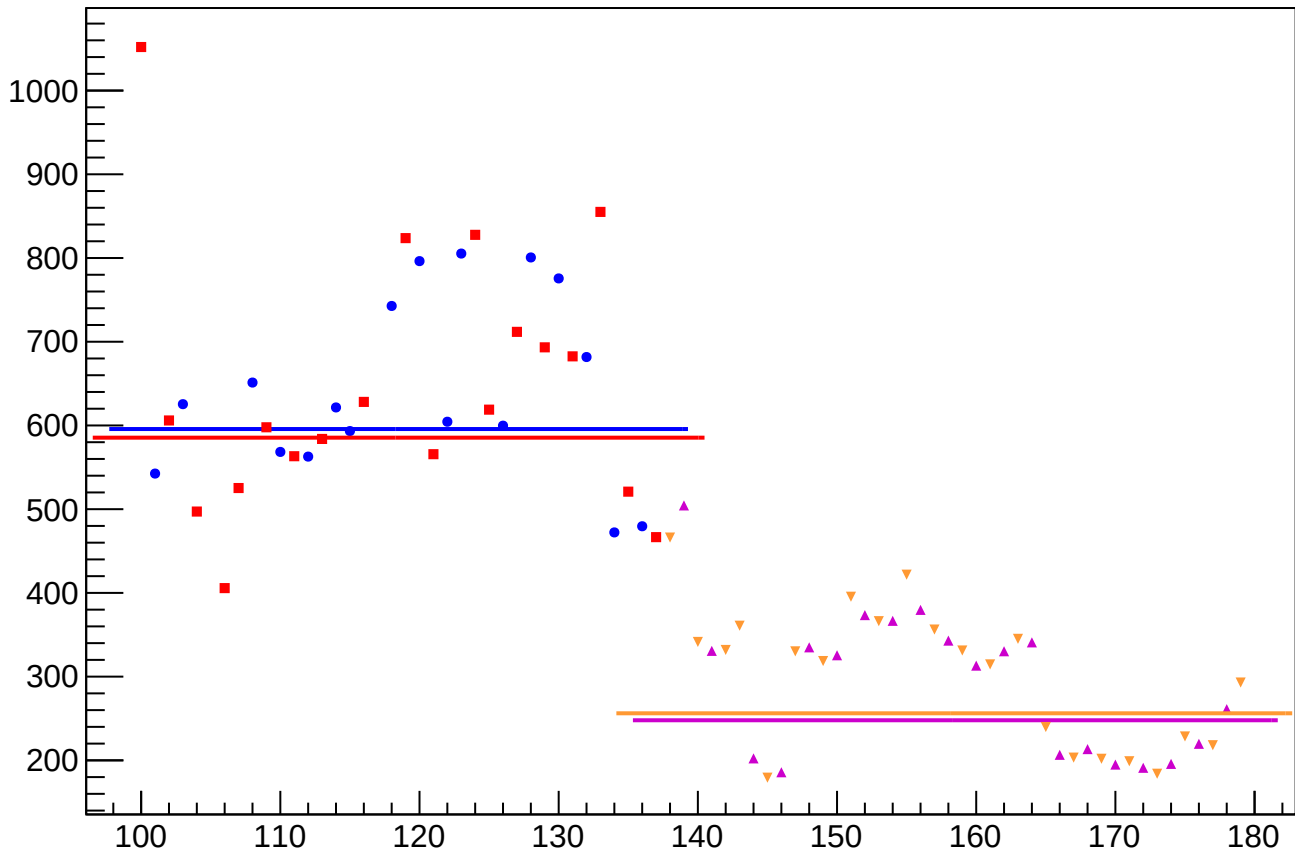
Left In: 90.008 $\pm$ 65.744 χ^2 /NDF: 22.4/19

+ sign 296.532 $\pm$ 63.277 χ^2 /NDF: 87.8/38

All: 205.469 $\pm$ 44.682 χ^2 /NDF: 127.2/77

- sign 114.907 $\pm$ 63.102 χ^2 /NDF: 35.2/38

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

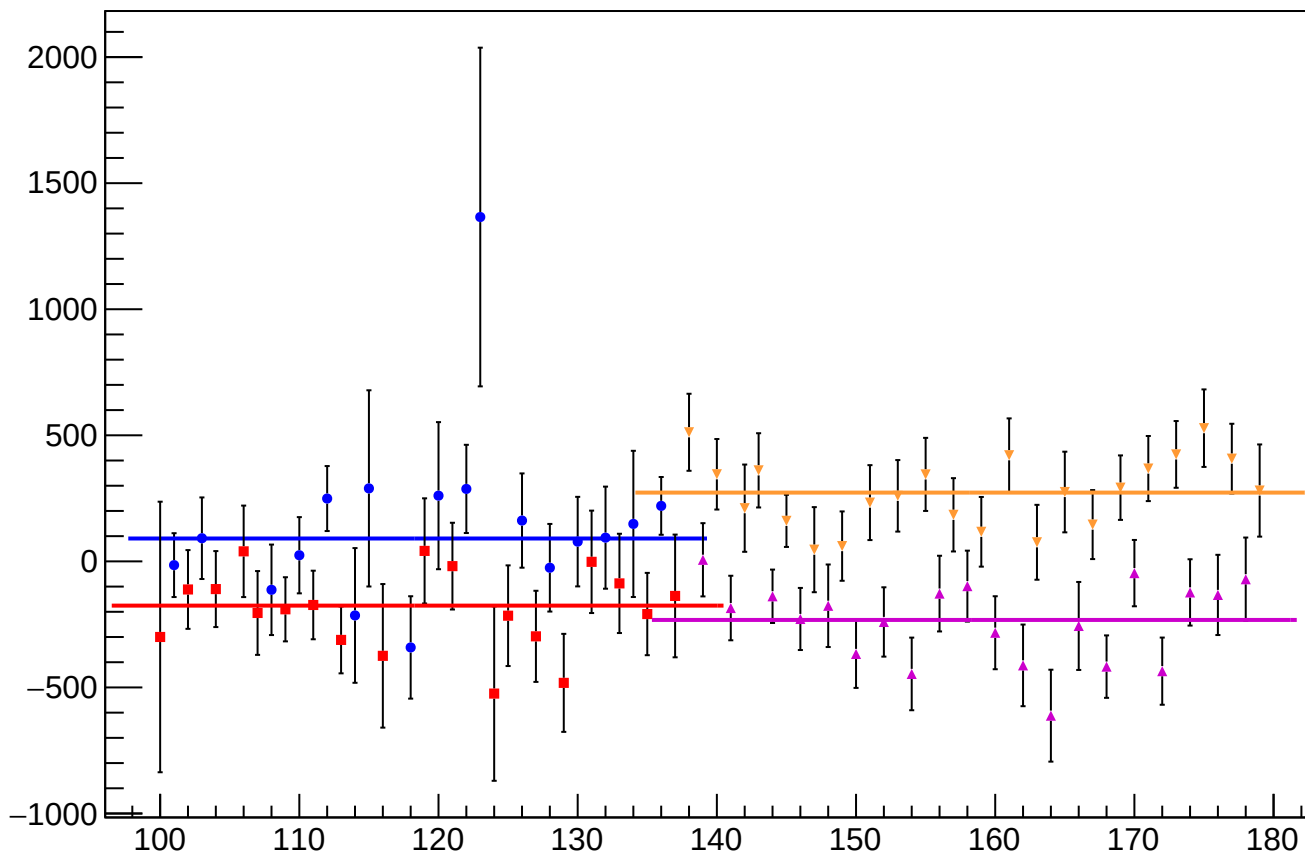
Left In: 247.874 $\pm$ 0.046 χ^2 /NDF:2338295.3/19

+ sign 280.636 $\pm$ 0.045 χ^2 /NDF: 6783433.5/38

All: 277.539 $\pm$ 0.032 χ^2 /NDF: 13757871.1/77

- sign 274.458 $\pm$ 0.045 χ^2 /NDF: 6964878.6/38

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

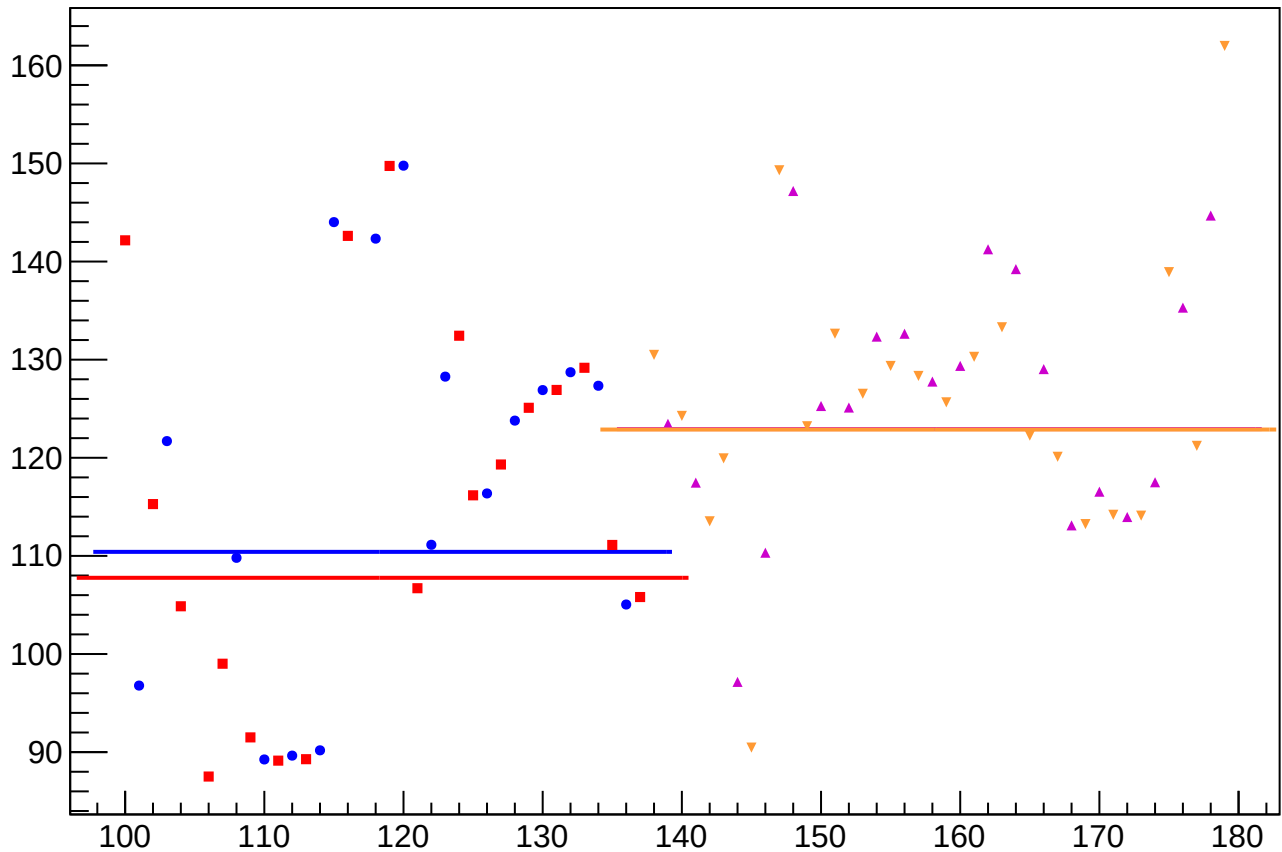
Left In: -232.306+/-31.403 χ^2/NDF : 22.6/19

+ sign 212.768+/-24.863 χ^2/NDF : 48.5/38

All: 1.466+/-17.613 χ^2/NDF : 227.6/77

- sign -211.362+/-24.953 χ^2/NDF : 34.2/38

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 122.878 $\pm$ 0.021 χ^2 /NDF: 433377.6/21

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

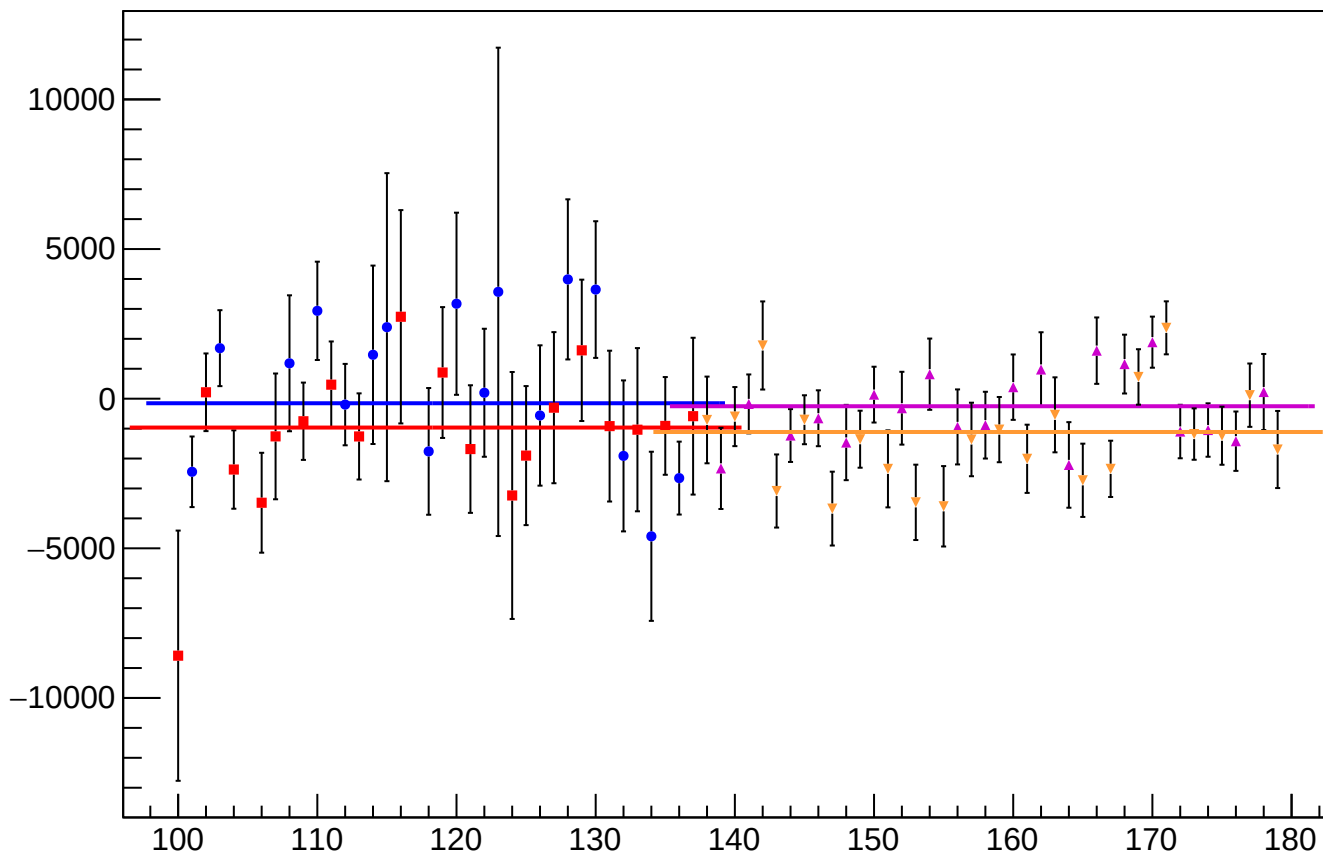
Left In: 122.925 $\pm$ 0.022 χ^2 /NDF: 331942.0/19

+ sign 118.770 $\pm$ 0.018 χ^2 /NDF: 840899.6/38

All: 118.057 $\pm$ 0.012 χ^2 /NDF: 1692338.7/77

- sign 117.338 $\pm$ 0.018 χ^2 /NDF: 848136.1/38

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

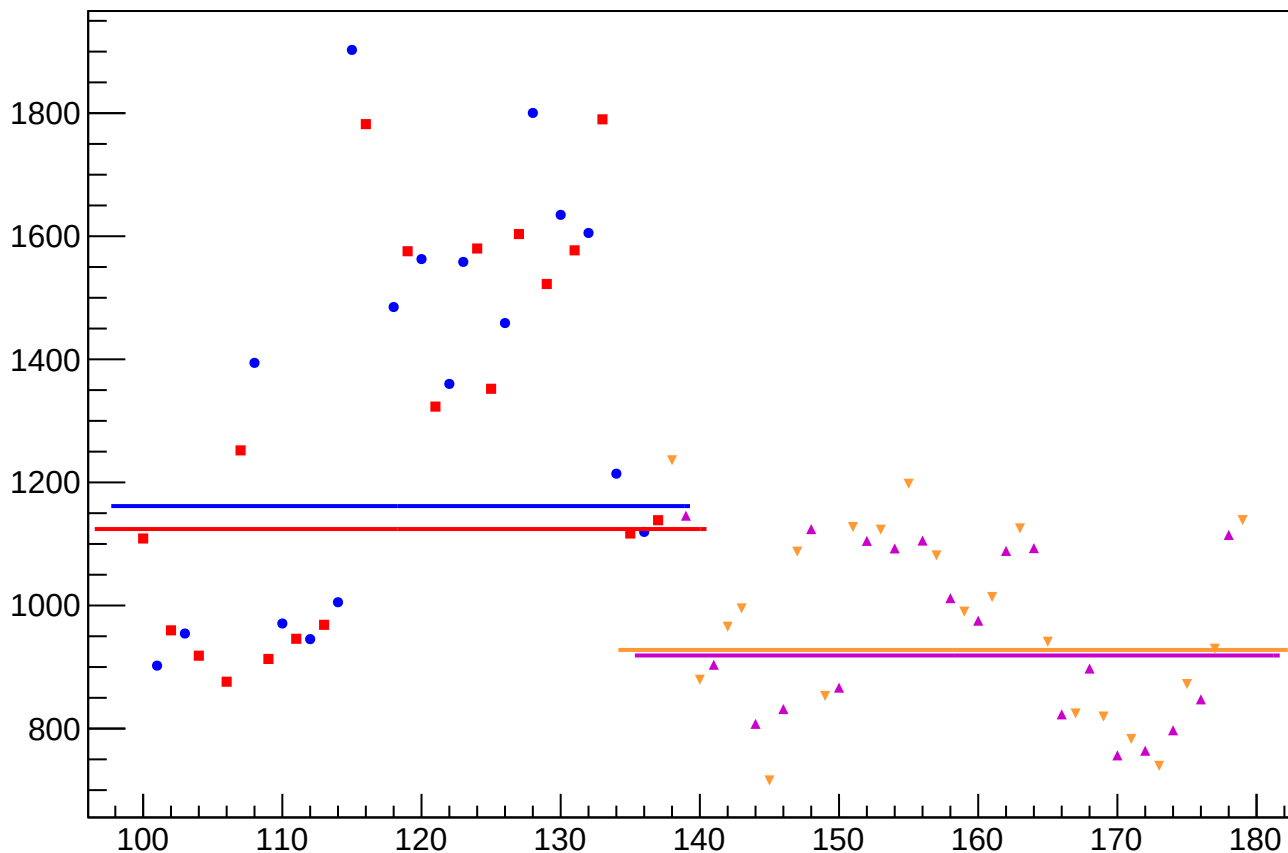
Left In: -252.336 ± 236.074 χ^2/NDF : 23.9/19

+ sign -922.588 ± 206.834 χ^2/NDF : 72.6/38

All: -669.286 ± 146.489 χ^2/NDF : 113.9/77

- sign -414.348 ± 207.500 χ^2/NDF : 38.2/38

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

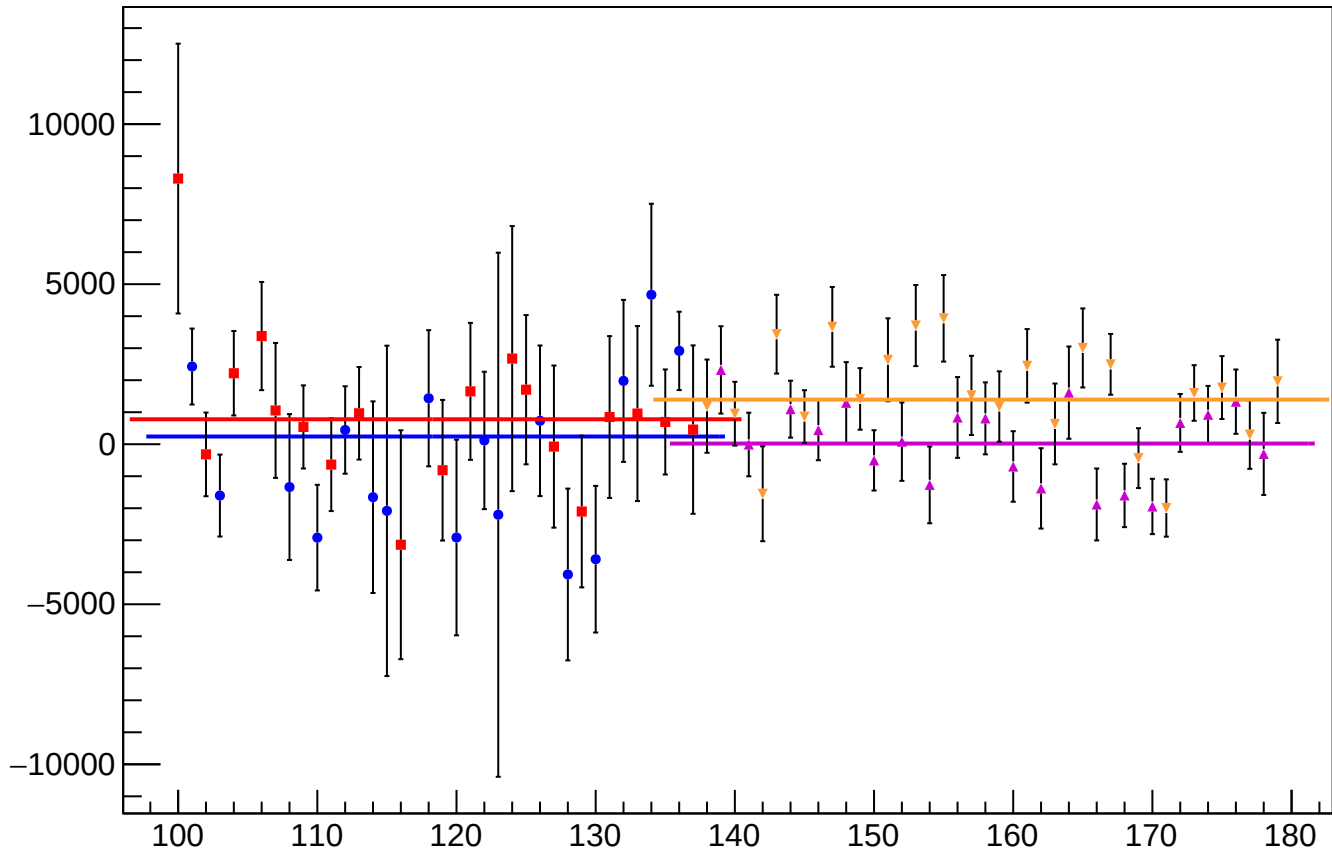
Left In: 918.797 $\pm$ 0.167 χ^2 /NDF: 628432.7/19

+ sign 974.093 $\pm$ 0.146 χ^2 /NDF: 1922059.1/38

All: 969.820 $\pm$ 0.104 χ^2 /NDF: 3664449.5/77

- sign 965.518 $\pm$ 0.147 χ^2 /NDF: 1740677.1/38

asym_sam_48_dd_mean vs Slug



Right In: 240.732 ± 467.036 χ^2/NDF : 24.8/16

Left Out: 1392.449 ± 233.094 χ^2/NDF : 42.3/21

Right Out: 779.192 ± 437.487 χ^2/NDF : 12.3/18

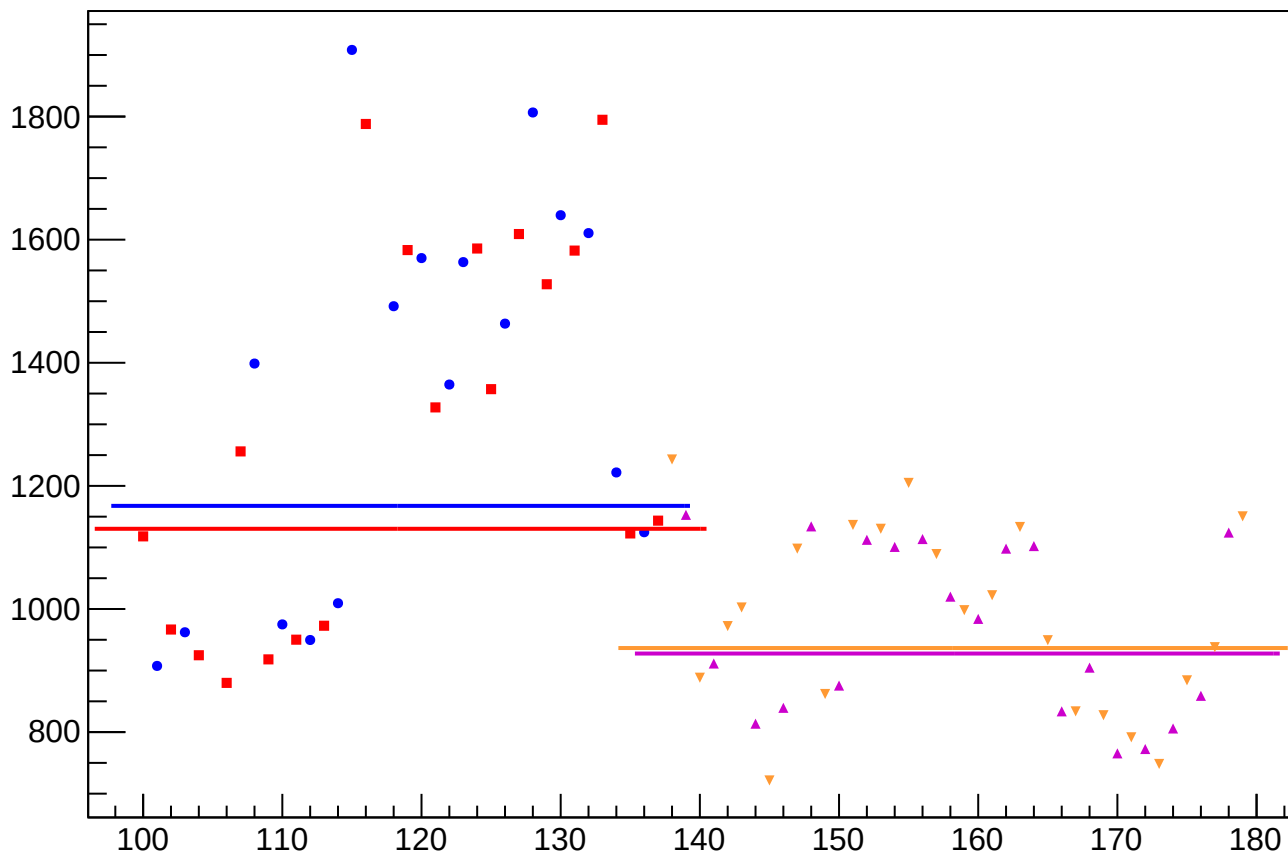
Left In: 20.869 ± 238.289 χ^2/NDF : 24.8/19

+ sign 1162.775 ± 208.561 χ^2/NDF : 72.0/38

All: 680.194 ± 147.722 χ^2/NDF : 122.2/77

- sign 194.369 ± 209.261 χ^2/NDF : 39.4/38

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

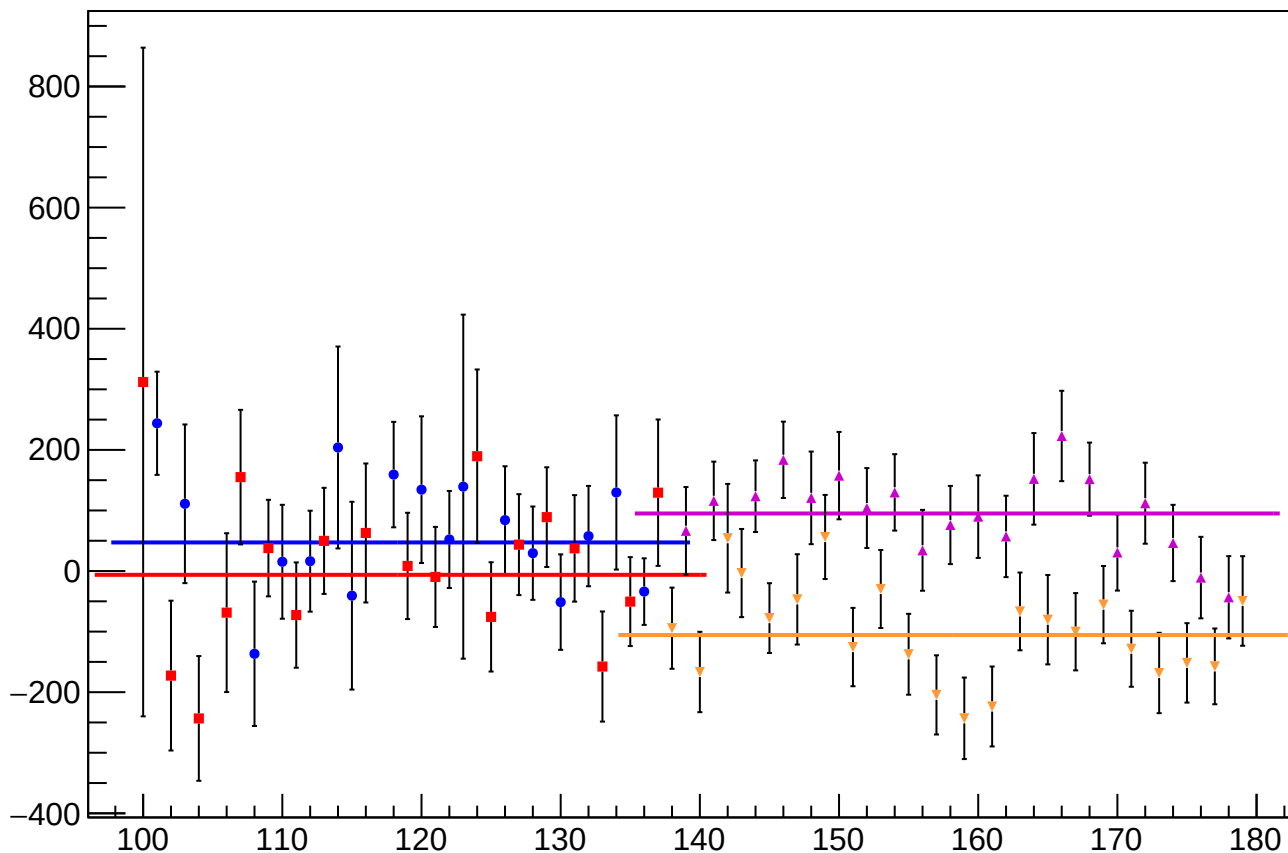
Left In: 927.632 $\pm$ 0.168 χ^2 /NDF: 617325.8/19

+ sign 982.641 $\pm$ 0.147 χ^2 /NDF: 1890708.2/38

All: 978.336 $\pm$ 0.104 χ^2 /NDF: 3602258.1/77

- sign 974.002 $\pm$ 0.148 χ^2 /NDF: 1709839.6/38

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 ± 22.565 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -105.577 ± 14.272 $\chi^2/\text{NDF}: 27.6/21$

Right Out: -6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

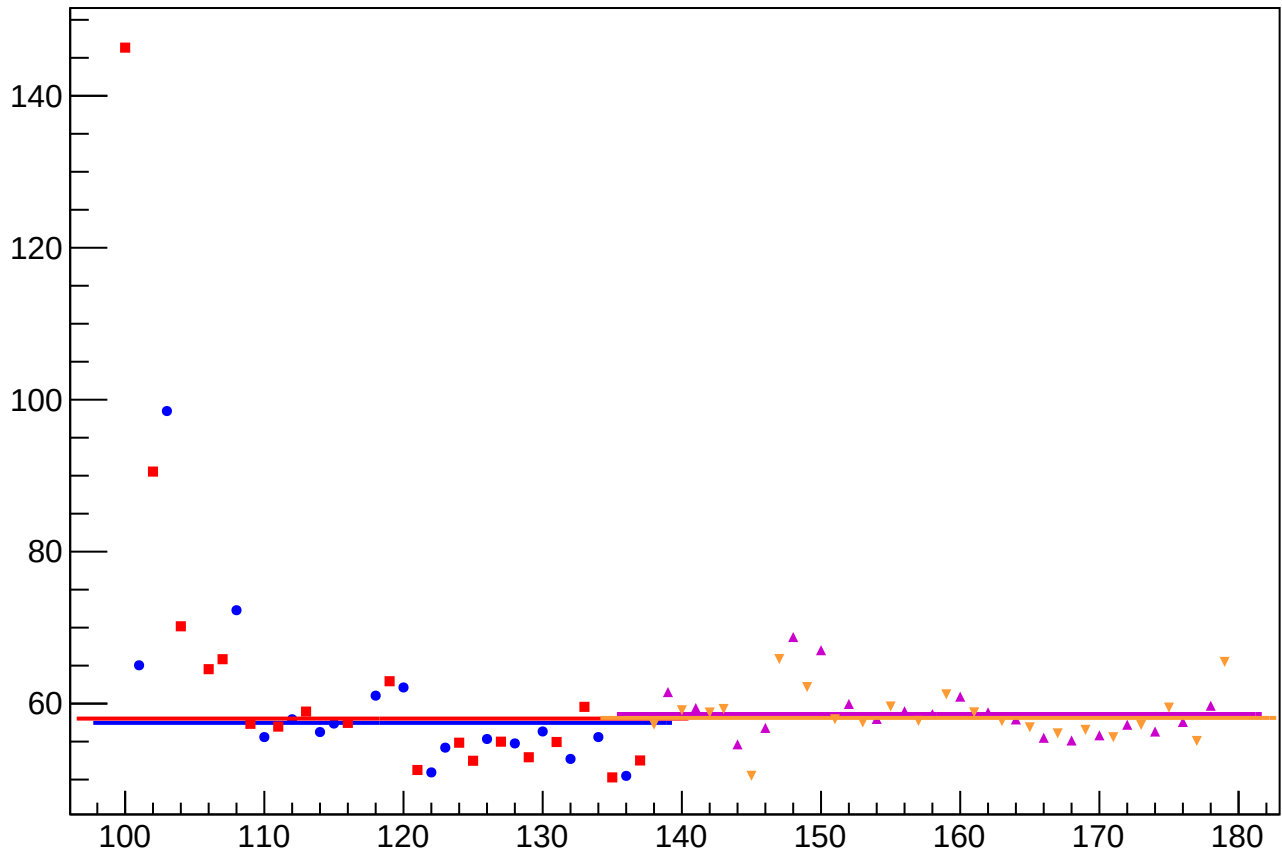
Left In: 95.016 ± 14.894 $\chi^2/\text{NDF}: 17.6/19$

+ sign -61.918 ± 12.062 $\chi^2/\text{NDF}: 76.4/38$

All: -0.747 ± 8.631 $\chi^2/\text{NDF}: 181.4/77$

- sign 63.442 ± 12.356 $\chi^2/\text{NDF}: 52.3/38$

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 ± 0.016 χ^2/NDF : 307156.4/16

Left Out: 58.116 ± 0.010 χ^2/NDF : 103673.4/21

Right Out: 58.027 ± 0.016 χ^2/NDF : 300788.2/18

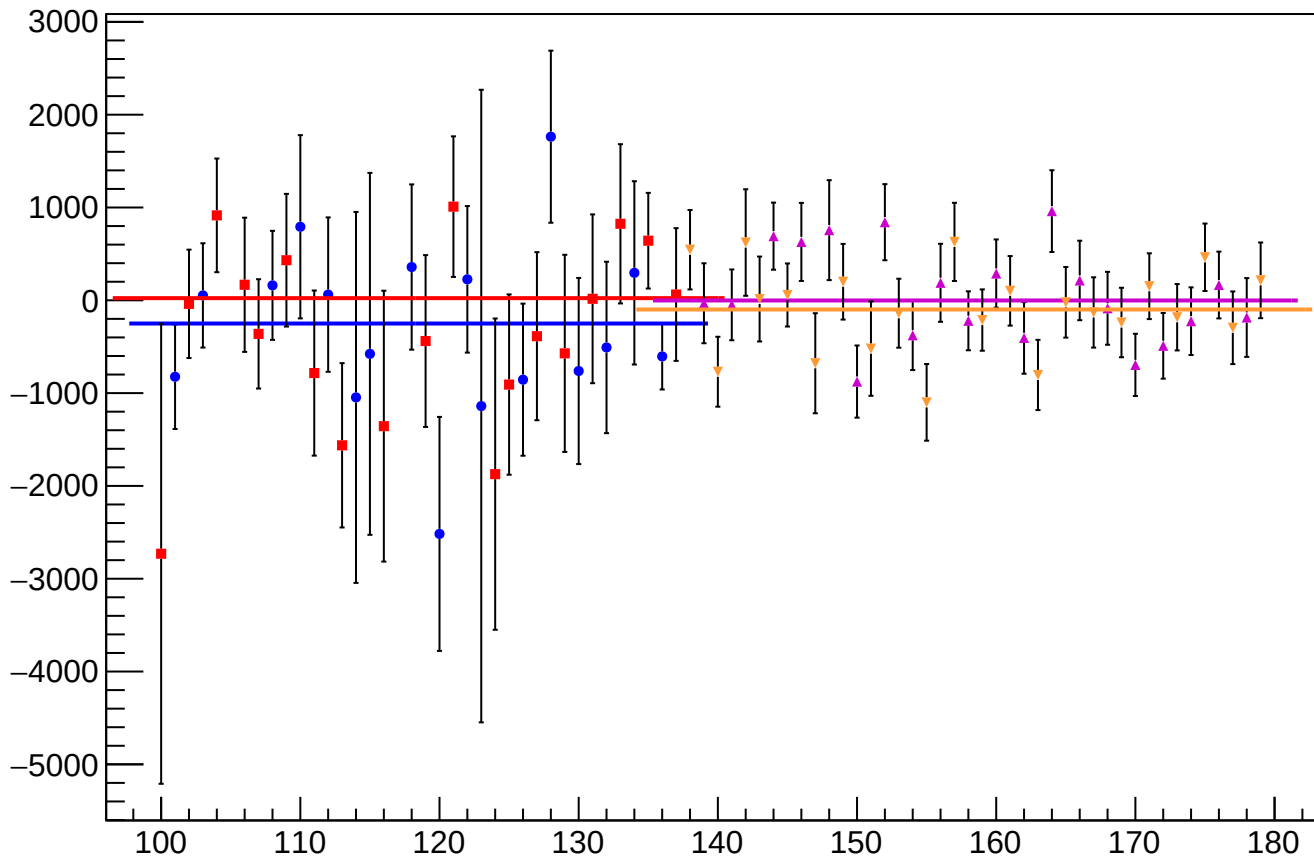
Left In: 58.632 ± 0.011 χ^2/NDF : 98775.0/19

+ sign 57.930 ± 0.009 χ^2/NDF : 412019.1/38

All: 58.181 ± 0.006 χ^2/NDF : 814372.3/77

- sign 58.443 ± 0.009 χ^2/NDF : 400590.3/38

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 ± 184.092 $\chi^2/\text{NDF}: 14.3/16$

Left Out: -99.113 ± 84.151 $\chi^2/\text{NDF}: 26.4/21$

Right Out: 23.314 ± 181.834 $\chi^2/\text{NDF}: 16.1/18$

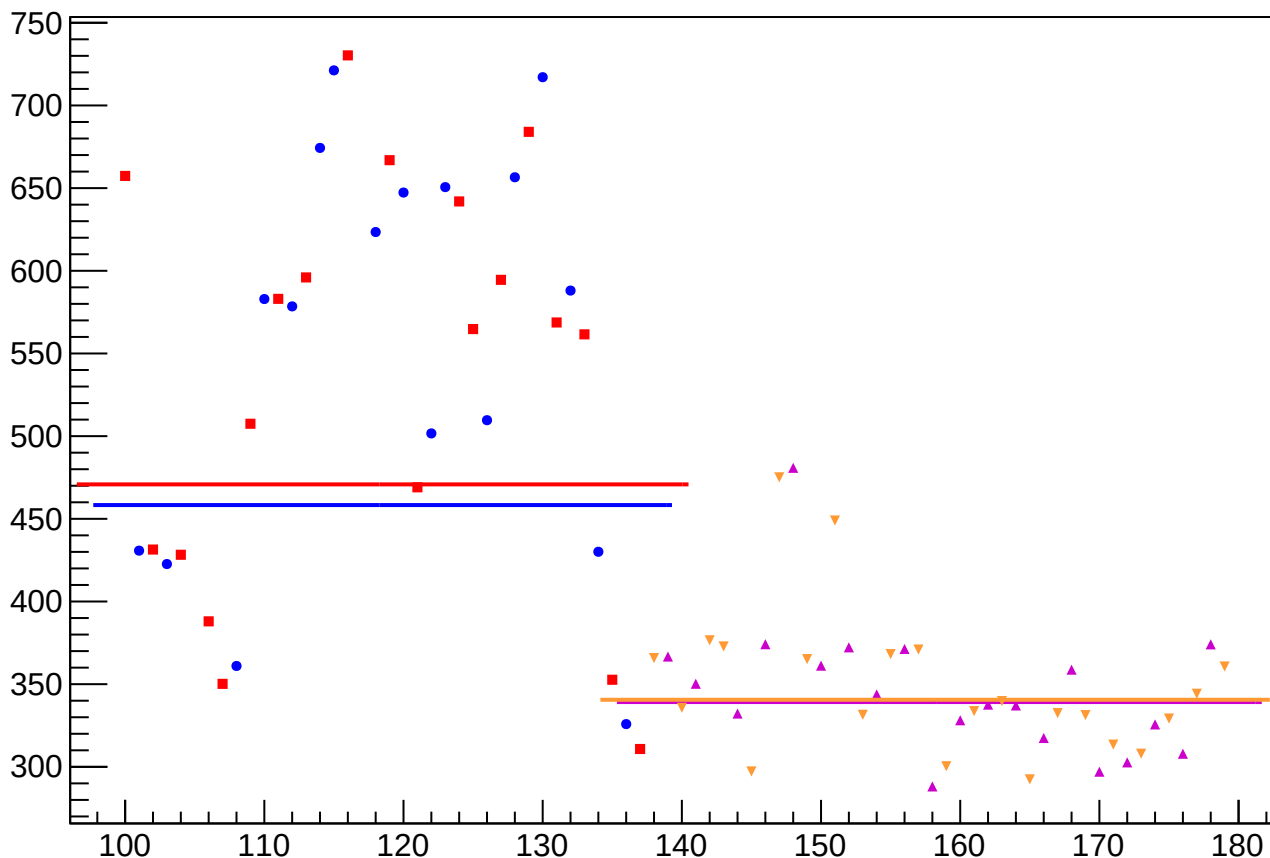
Left In: -1.711 ± 86.656 $\chi^2/\text{NDF}: 32.7/19$

+ sign -125.216 ± 76.534 $\chi^2/\text{NDF}: 41.2/38$

All: -62.550 ± 54.707 $\chi^2/\text{NDF}: 91.4/77$

- sign 2.920 ± 78.227 $\chi^2/\text{NDF}: 48.7/38$

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 $\pm$ 0.130 χ^2 /NDF: 877201.7/16

Left Out: 340.573 $\pm$ 0.060 χ^2 /NDF: 400713.6/21

Right Out: 470.827 $\pm$ 0.129 χ^2 /NDF: 778635.2/18

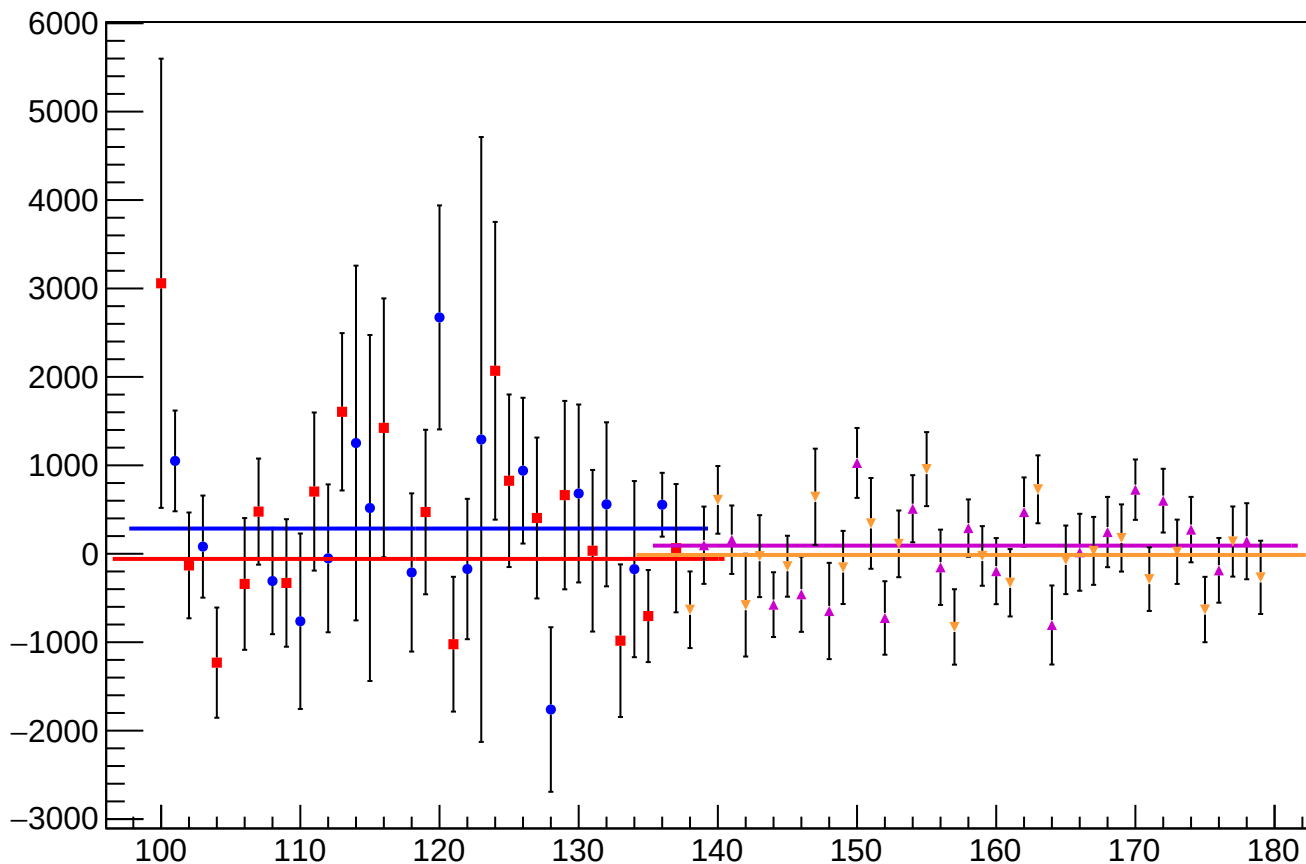
Left In: 339.187 $\pm$ 0.061 χ^2 /NDF: 342119.1/19

+ sign 360.925 $\pm$ 0.054 χ^2 /NDF: 1954747.8/38

All: 362.209 $\pm$ 0.039 χ^2 /NDF: 3930873.4/77

- sign 363.551 $\pm$ 0.055 χ^2 /NDF: 1974973.7/38

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

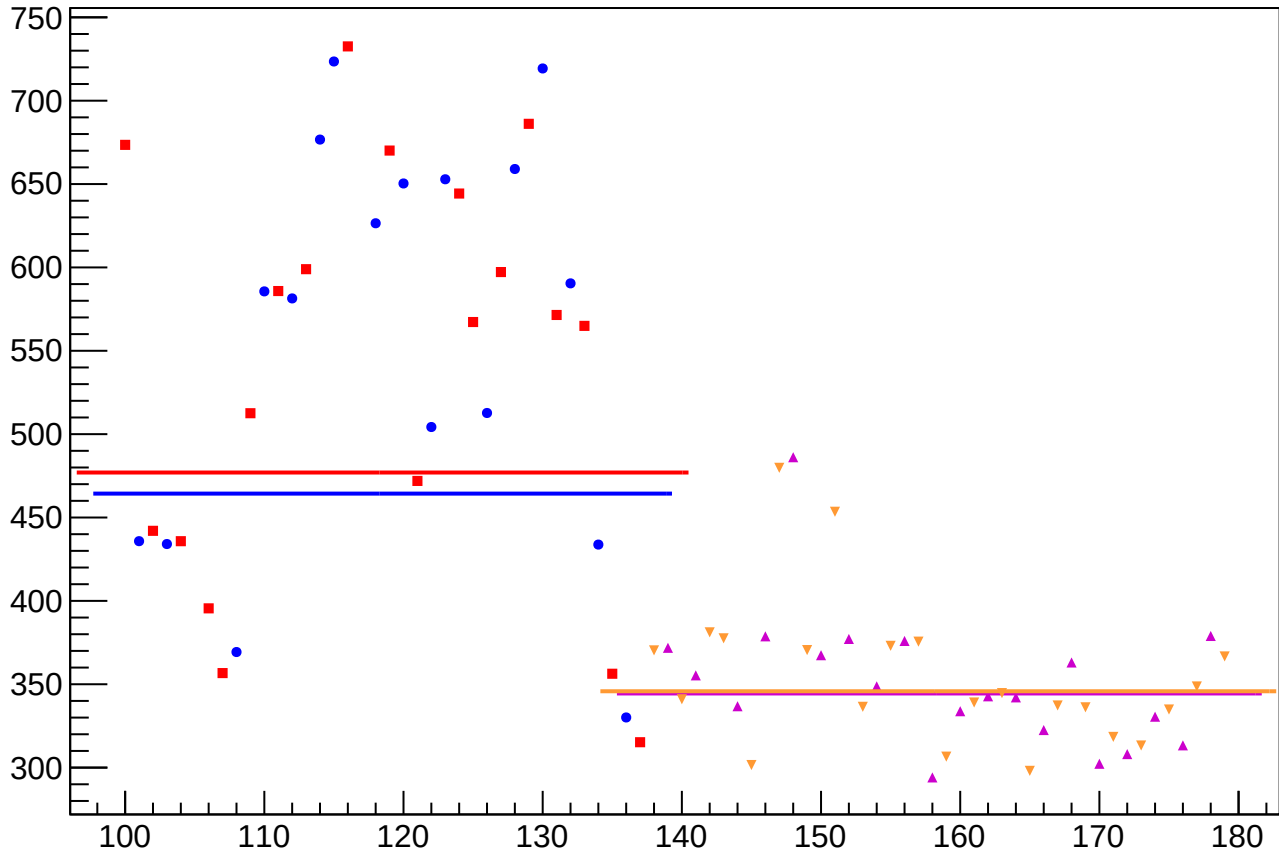
Left In: 92.117 ± 87.981 χ^2/NDF : 30.3/19

+ sign 38.696 ± 77.639 χ^2/NDF : 42.9/38

All: 51.166 ± 55.504 χ^2/NDF : 92.9/77

- sign 64.200 ± 79.380 χ^2/NDF : 50.0/38

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

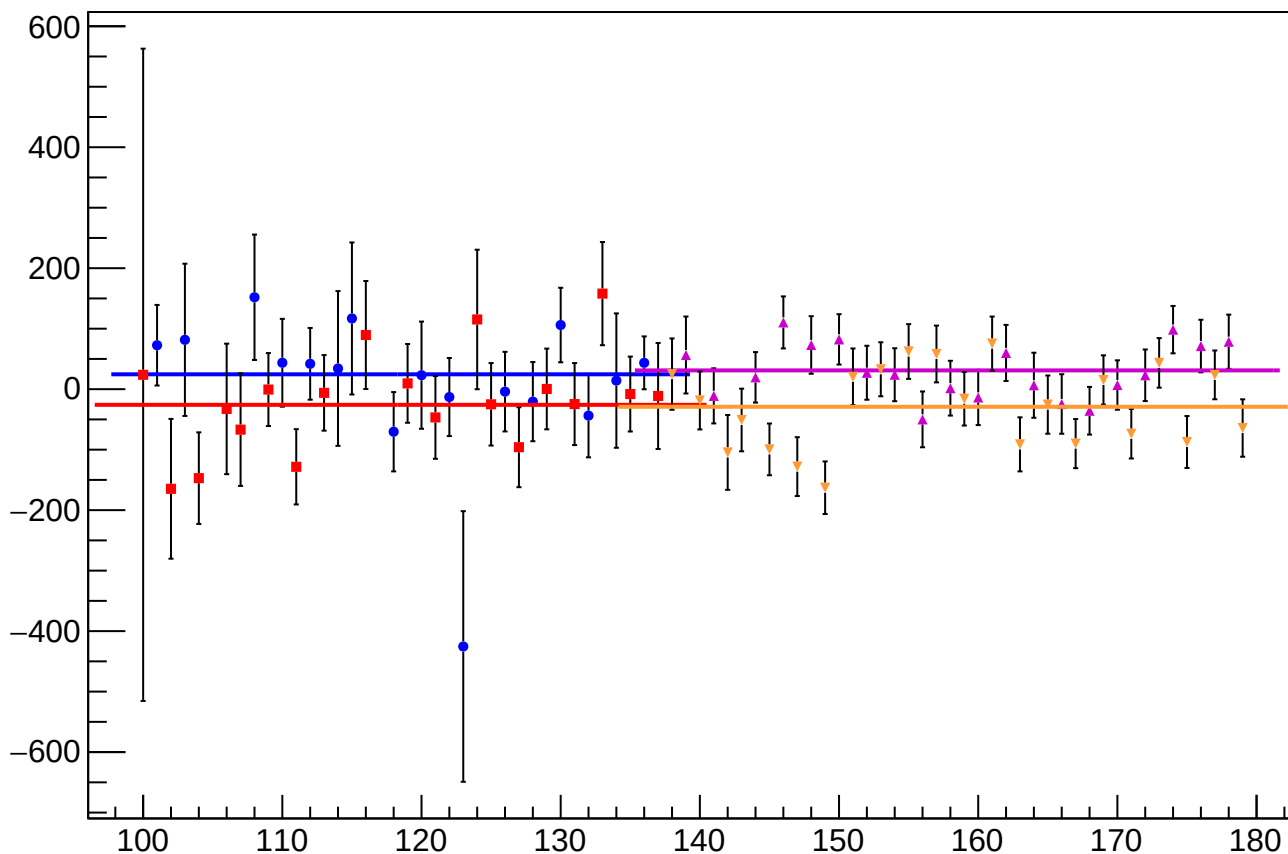
Left In: 344.473 $\pm$ 0.062 χ^2 /NDF: 329703.4/19

+ sign 366.389 $\pm$ 0.055 χ^2 /NDF: 1902408.7/38

All: 367.722 $\pm$ 0.039 χ^2 /NDF: 3826427.0/77

- sign 369.116 $\pm$ 0.056 χ^2 /NDF: 1922811.4/38

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -29.079 ± 9.665 $\chi^2/\text{NDF}: 48.8/21$

Right Out: -25.884 ± 17.386 $\chi^2/\text{NDF}: 16.8/18$

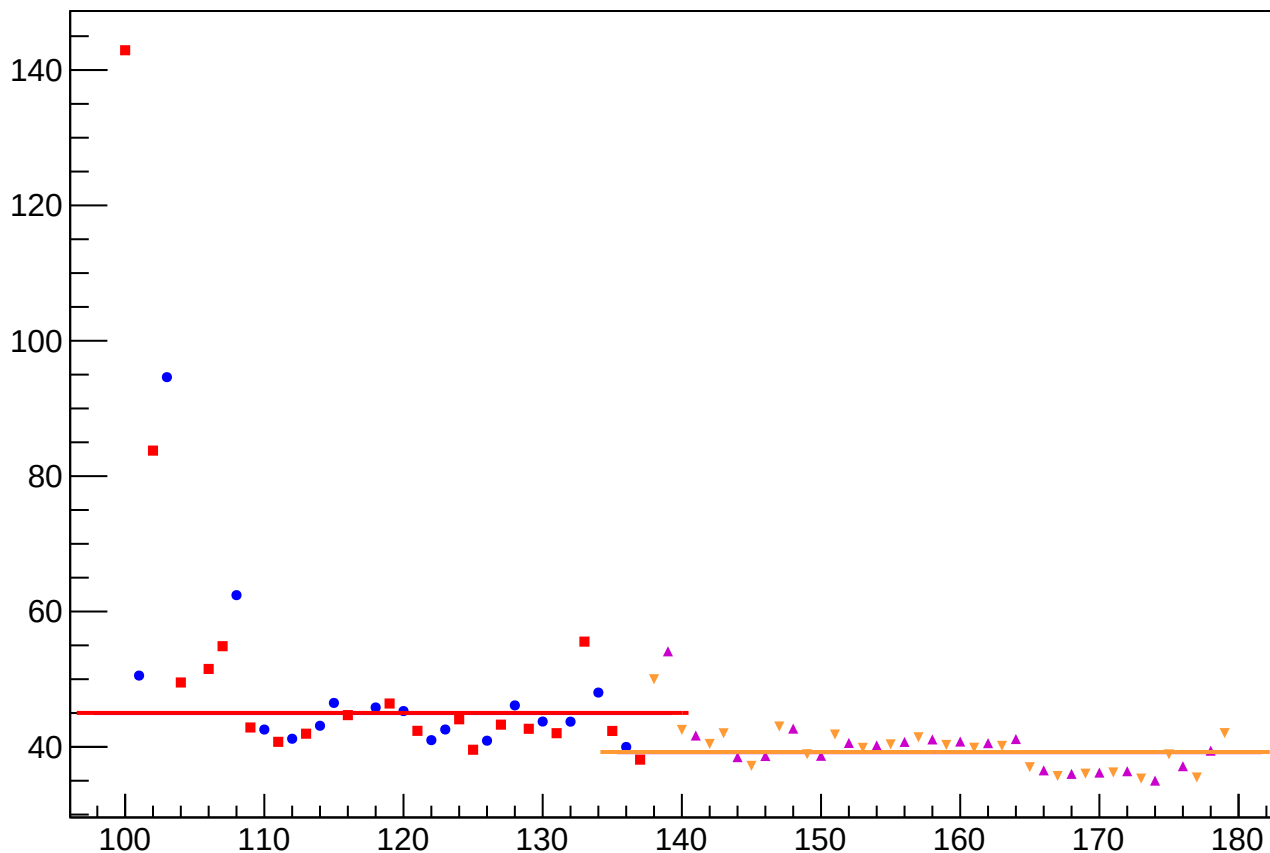
Left In: 31.035 ± 9.989 $\chi^2/\text{NDF}: 21.4/19$

+ sign -16.902 ± 8.498 $\chi^2/\text{NDF}: 68.8/38$

All: -0.318 ± 6.066 $\chi^2/\text{NDF}: 122.8/77$

- sign 16.909 ± 8.661 $\chi^2/\text{NDF}: 46.2/38$

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

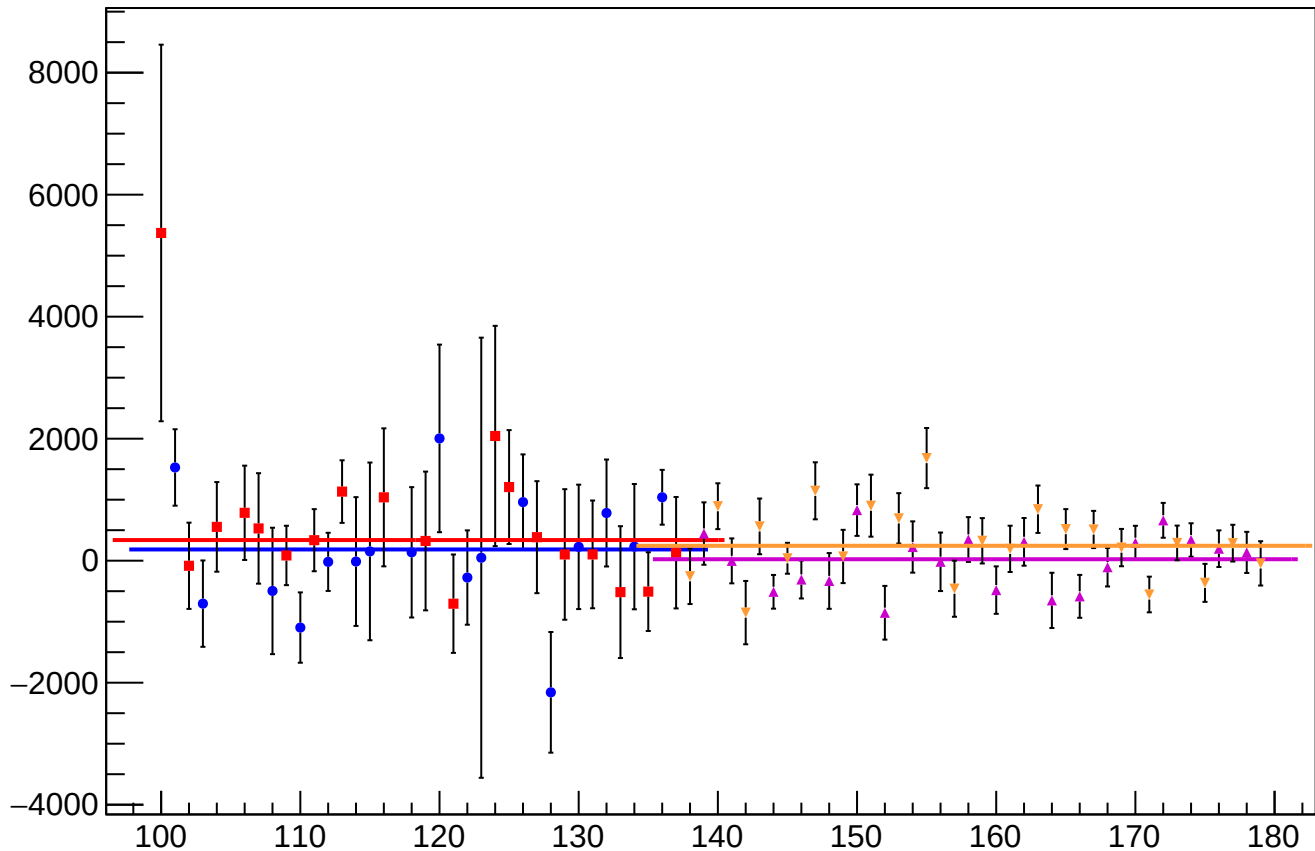
Left In: 39.220 $\pm$ 0.007 χ^2 /NDF:209083.7/19

+ sign 40.550 $\pm$ 0.006 χ^2 /NDF: 798228.1/38

All: 40.603 $\pm$ 0.004 χ^2 /NDF: 1590144.9/77

- sign 40.659 $\pm$ 0.006 χ^2 /NDF: 791756.4/38

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 $\pm$ 188.558 χ^2 /NDF: 24.2/16

Left Out: 244.494 $\pm$ 76.927 χ^2 /NDF: 43.2/21

Right Out: 338.329 $\pm$ 179.381 χ^2 /NDF: 12.5/18

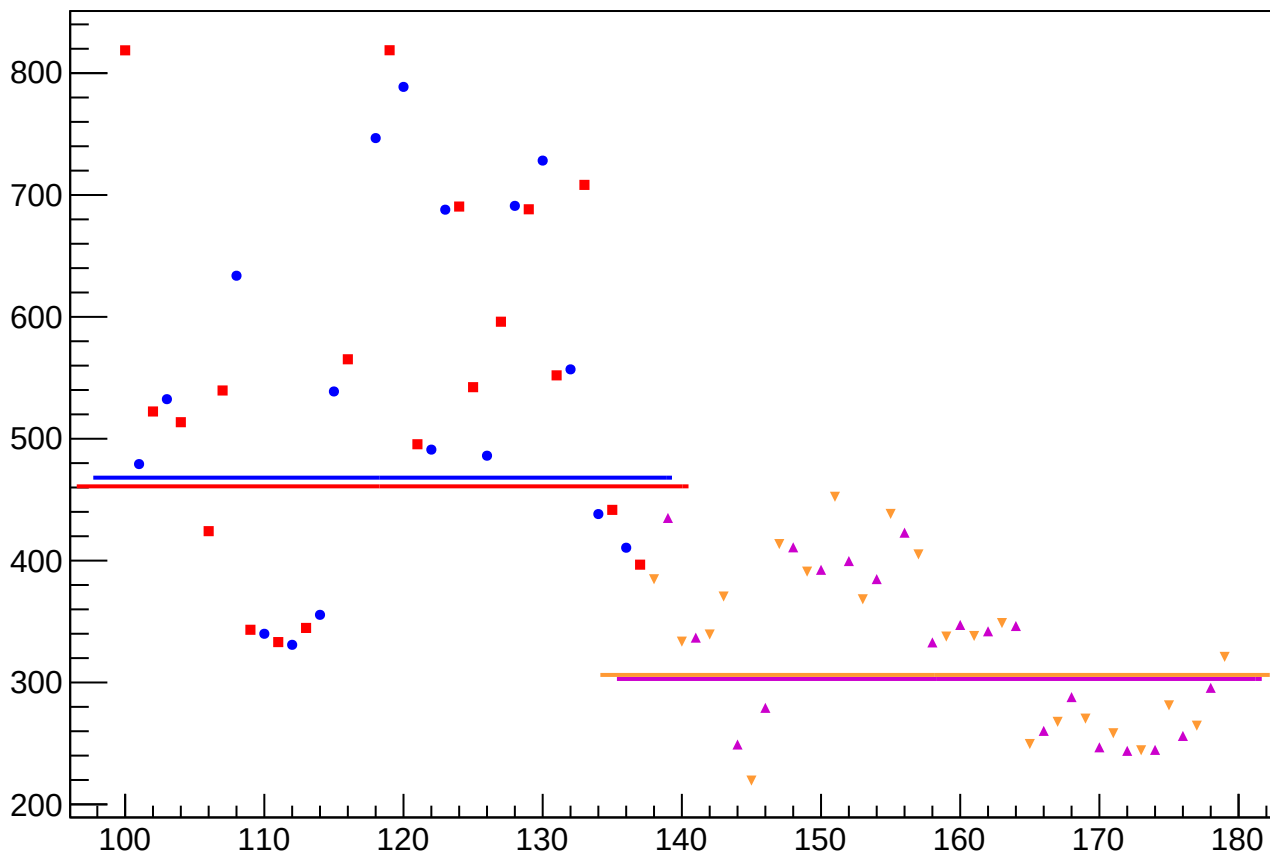
Left In: 23.940 $\pm$ 78.546 χ^2 /NDF: 30.1/19

+ sign 235.889 $\pm$ 71.227 χ^2 /NDF: 67.5/38

All: 156.021 $\pm$ 50.619 χ^2 /NDF: 115.2/77

- sign 74.521 $\pm$ 71.951 χ^2 /NDF: 45.1/38

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 306.207 $\pm$ 0.054 χ^2 /NDF:1354370.8/21

Right Out: 460.939 $\pm$ 0.127 χ^2 /NDF: 955028.5/18

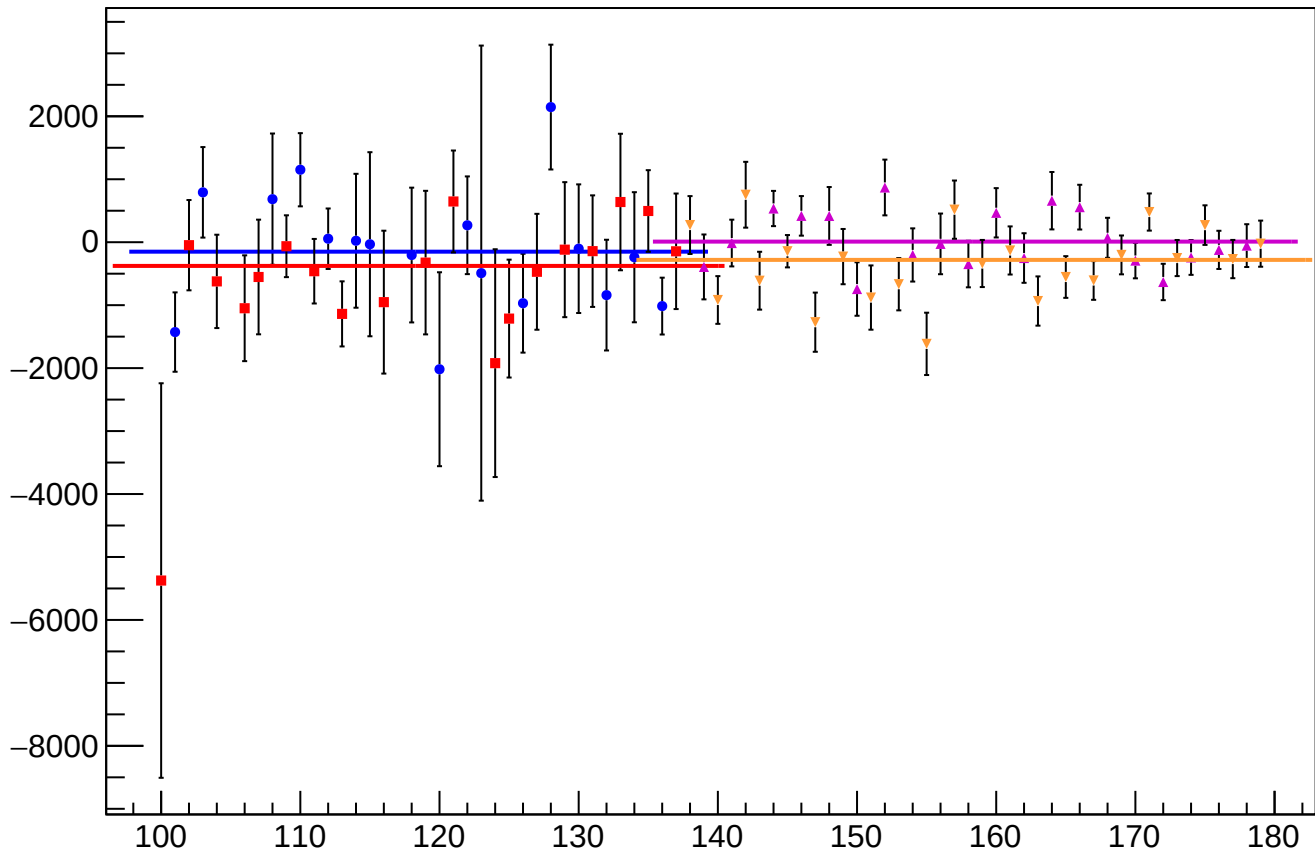
Left In: 302.890 $\pm$ 0.056 χ^2 /NDF:1154520.9/19

+ sign 329.304 $\pm$ 0.050 χ^2 /NDF: 3498197.2/38

All: 328.816 $\pm$ 0.036 χ^2 /NDF: 6910749.0/77

- sign 328.318 $\pm$ 0.051 χ^2 /NDF: 3412362.1/38

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

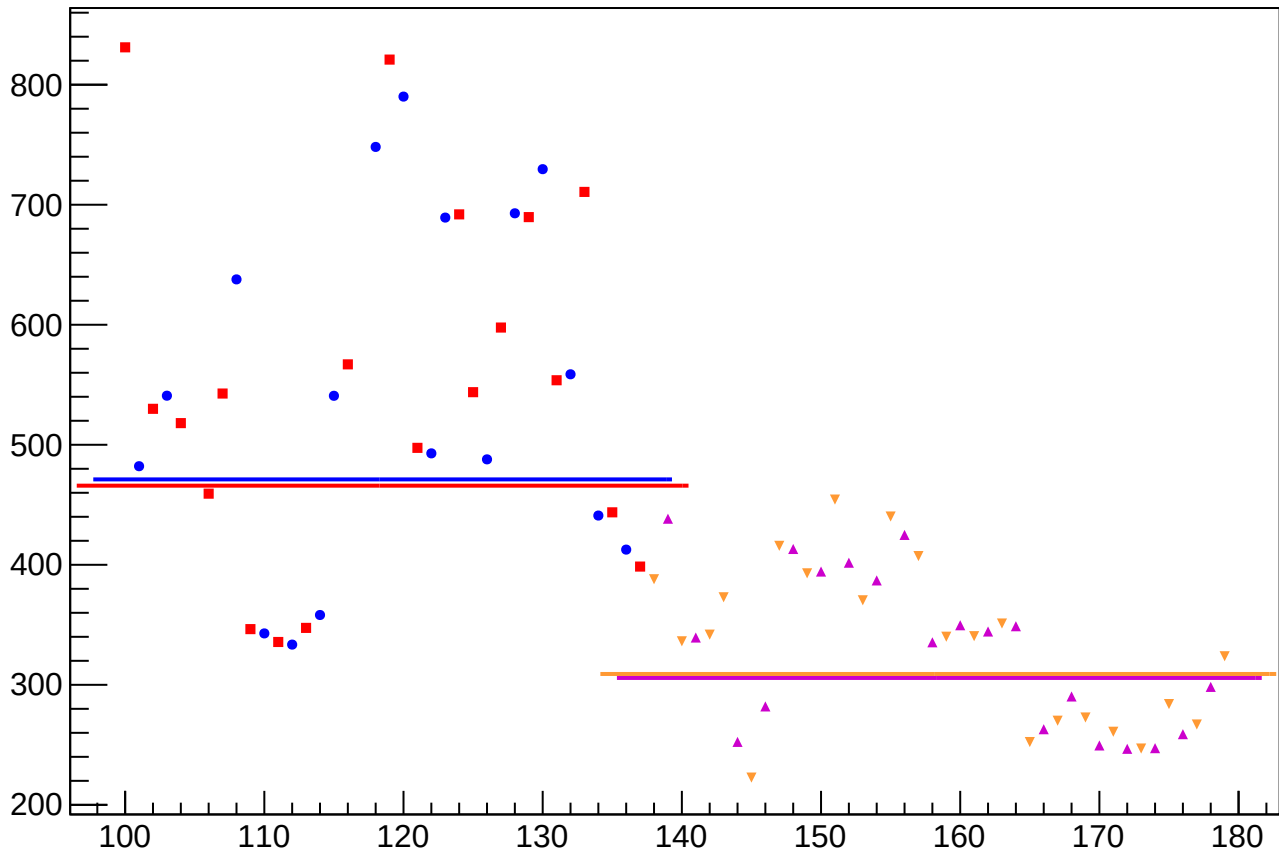
Left In: 9.468 ± 79.244 χ^2/NDF : 28.1/19

+ sign -262.104 ± 71.822 χ^2/NDF : 65.6/38

All: -158.430 ± 51.062 χ^2/NDF : 114.1/77

- sign -52.474 ± 72.608 χ^2/NDF : 44.3/38

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156 $\pm$ 0.134 χ^2 /NDF: 871832.5/16

Left Out: 309.039 $\pm$ 0.055 χ^2 /NDF:1324299.0/21

Right Out: 465.935 $\pm$ 0.128 χ^2 /NDF: 940521.6/18

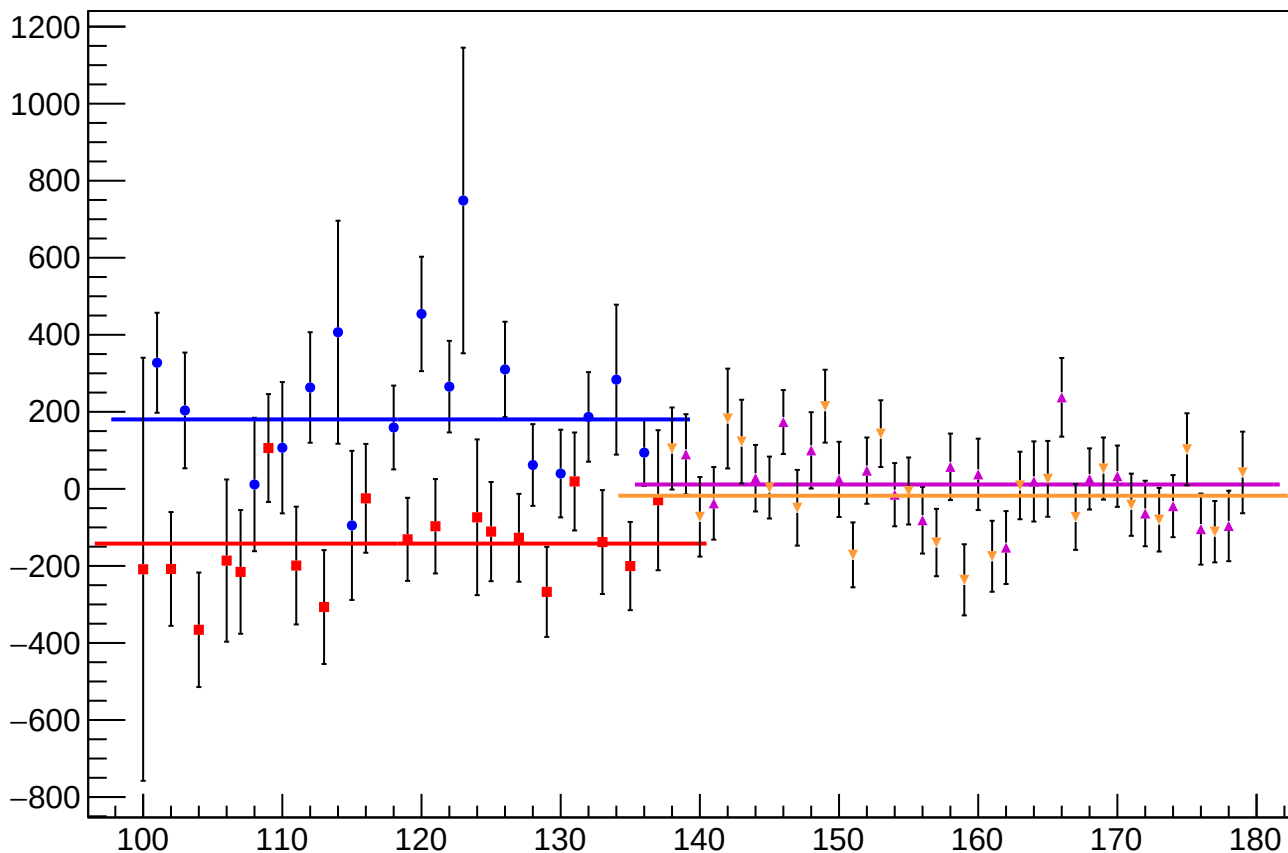
Left In: 305.731 $\pm$ 0.056 χ^2 /NDF:1129833.4/19

+ sign 332.271 $\pm$ 0.051 χ^2 /NDF: 3447105.9/38

All: 331.859 $\pm$ 0.036 χ^2 /NDF: 6829268.8/77

- sign 331.438 $\pm$ 0.051 χ^2 /NDF: 3382029.9/38

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 ± 32.769 χ^2/NDF : 16.6/16

Left Out: -17.772 ± 19.412 χ^2/NDF : 34.6/21

Right Out: -142.040 ± 32.338 χ^2/NDF : 11.7/18

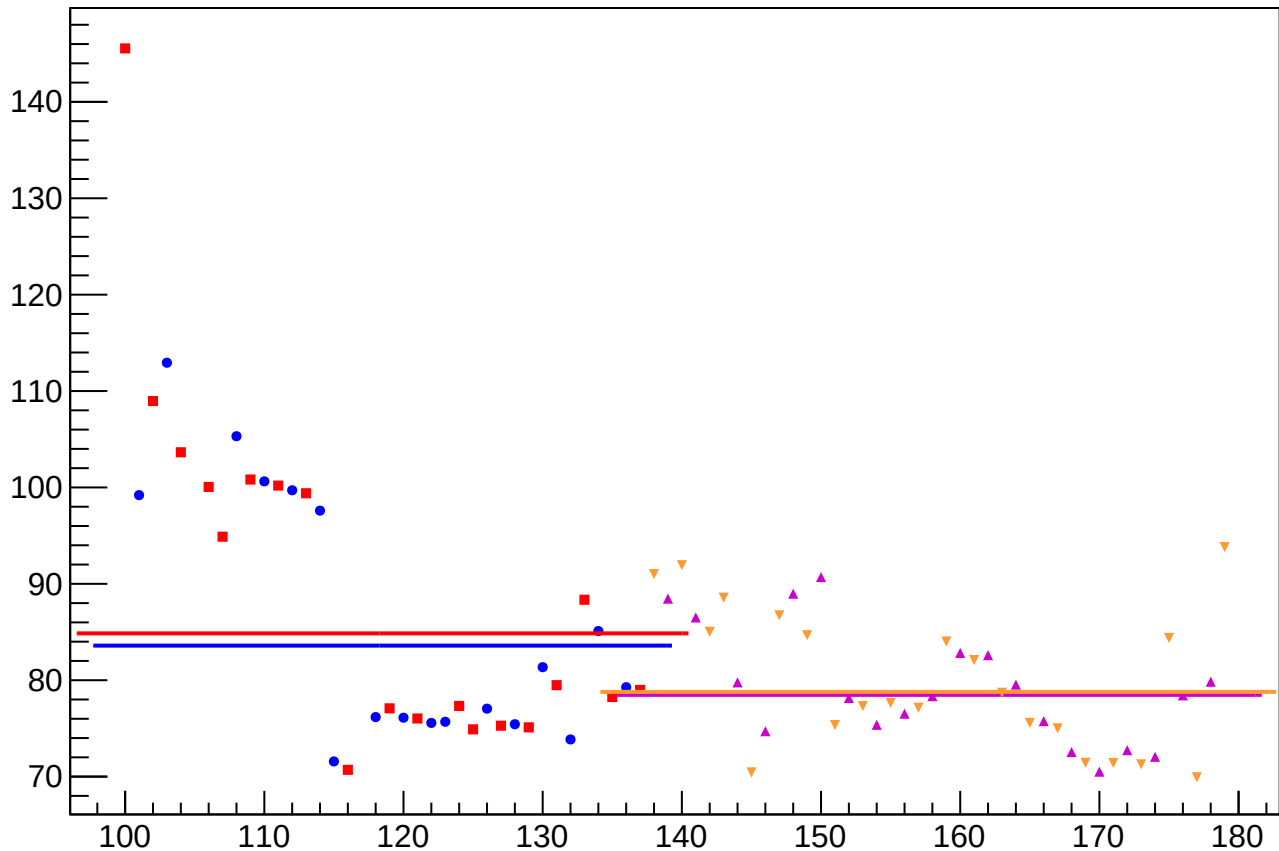
Left In: 11.380 ± 19.982 χ^2/NDF : 19.5/19

+ sign 33.687 ± 16.701 χ^2/NDF : 78.2/38

All: 1.907 ± 11.913 χ^2/NDF : 133.1/77

- sign -31.014 ± 16.999 χ^2/NDF : 47.5/38

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

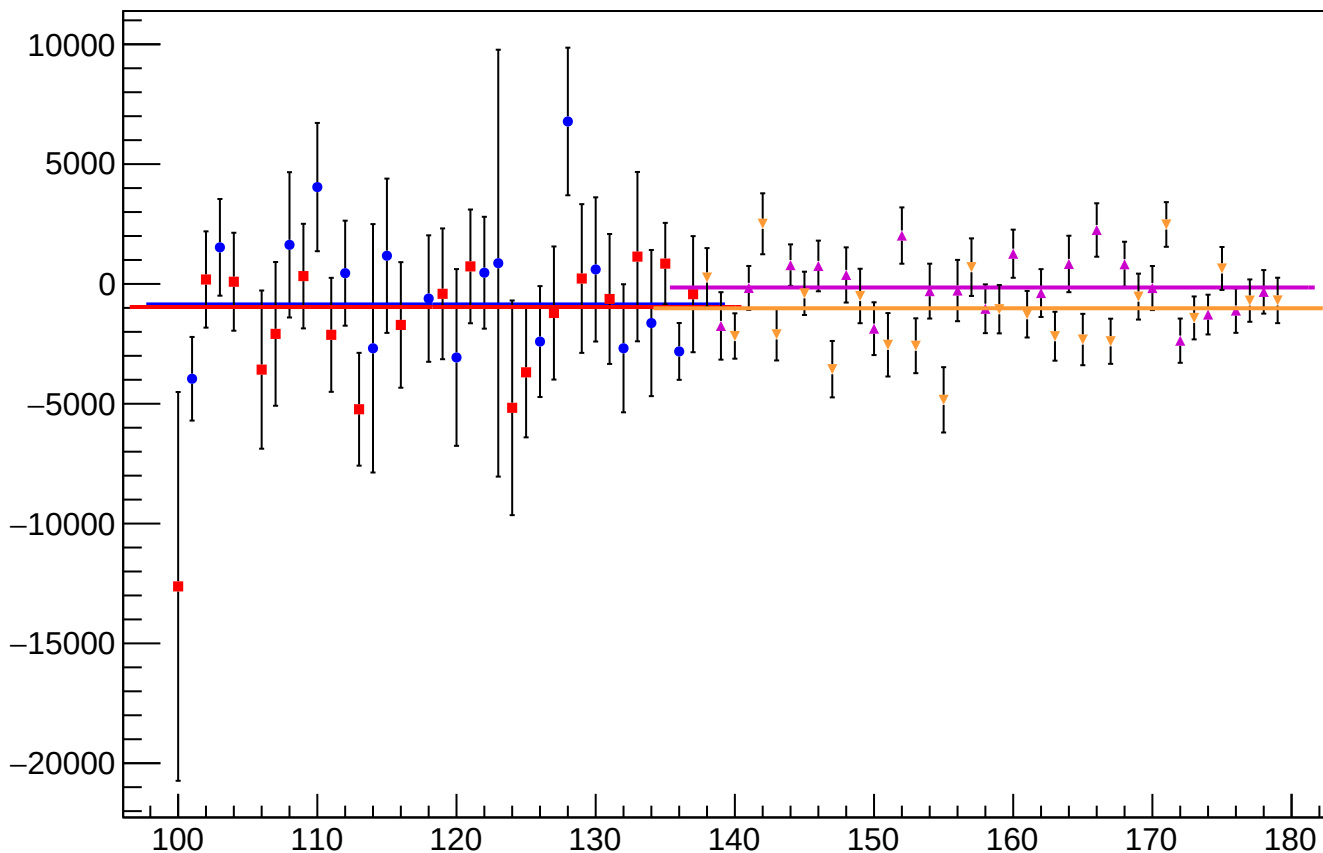
Left In: 78.482 $\pm$ 0.014 χ^2 /NDF: 158573.2/19

+ sign 80.038 $\pm$ 0.012 χ^2 /NDF: 551558.9/38

All: 80.139 $\pm$ 0.008 χ^2 /NDF: 1057216.8/77

- sign 80.244 $\pm$ 0.012 χ^2 /NDF: 505508.0/38

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

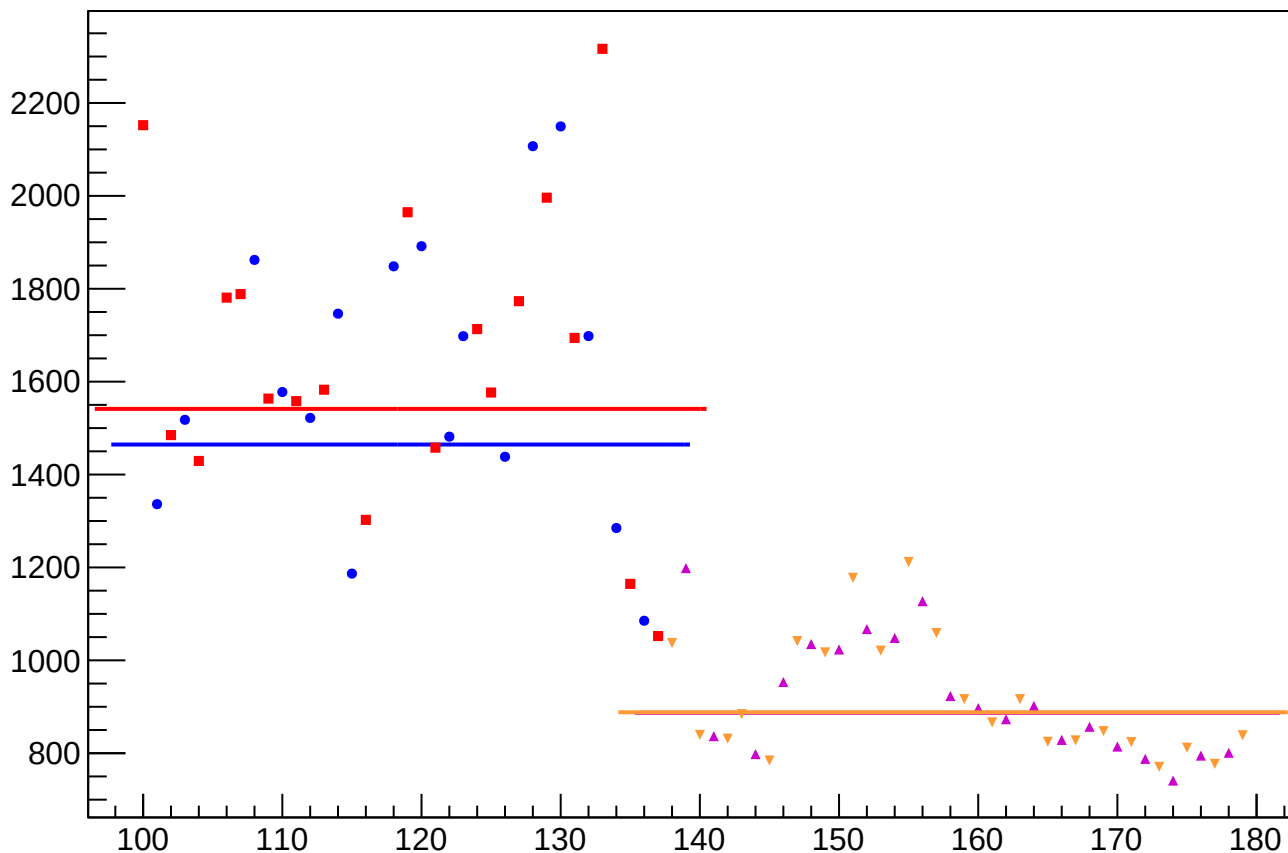
Left In: -148.142 ± 227.051 χ^2/NDF : 27.2/19

+ sign -995.002 ± 205.877 χ^2/NDF : 73.3/38

All: -634.882 ± 147.646 χ^2/NDF : 119.9/77

- sign -253.533 ± 211.858 χ^2/NDF : 40.4/38

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

Right Out: 1541.388+/-0.417 χ^2/NDF : 453710.5/18

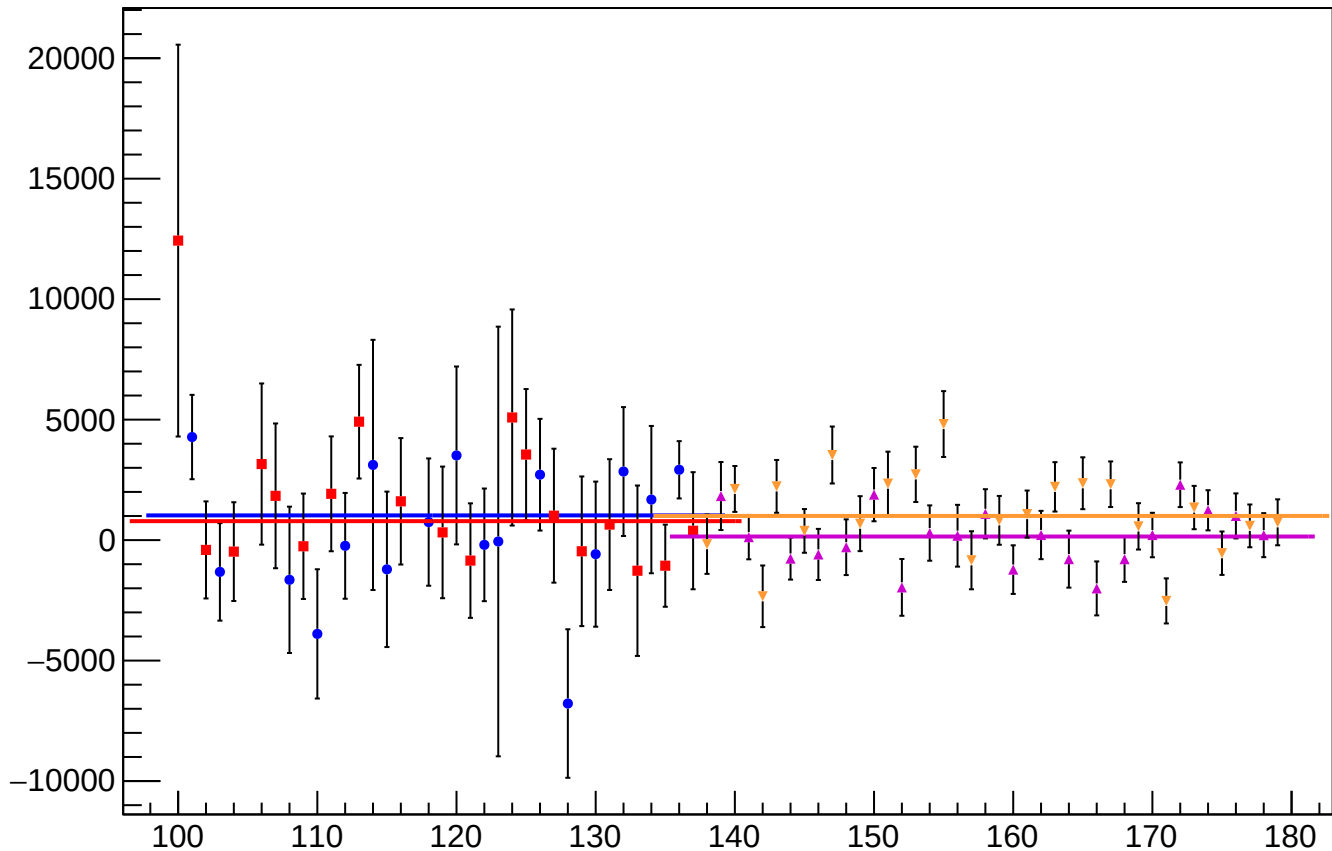
Left In: 886.961+/-0.161 χ^2/NDF : 499803.8/19

+ sign 959.957+/-0.146 χ^2/NDF : 2789823.4/38

All: 965.616+/-0.104 χ^2/NDF : 5895579.8/77

- sign 971.609+/-0.150 χ^2/NDF : 3102645.1/38

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1003.593 $\pm$ 220.976 χ^2 /NDF: 51.6/21

Right Out: 787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

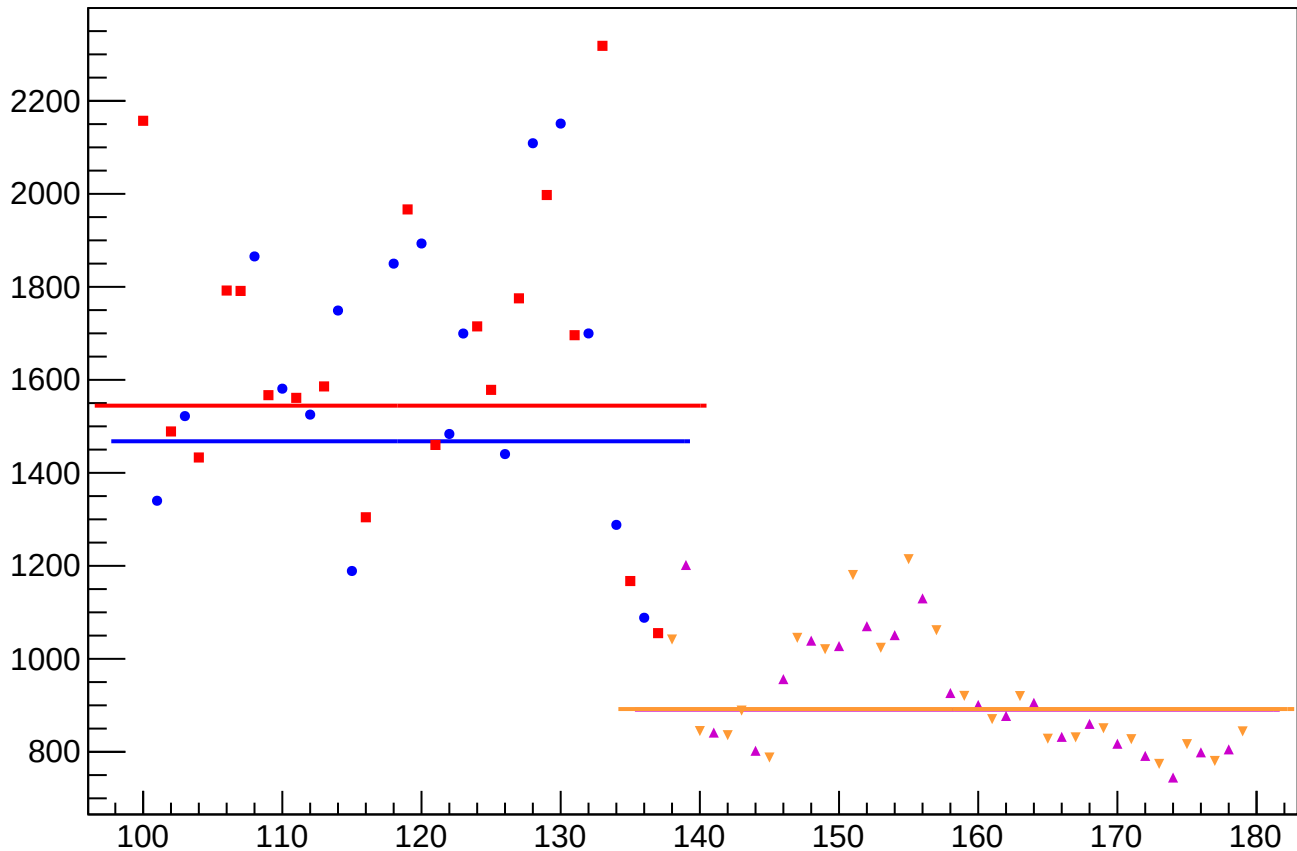
Left In: 149.126 $\pm$ 227.999 χ^2 /NDF: 24.8/19

+ sign 1006.336 $\pm$ 206.698 χ^2 /NDF: 72.6/38

All: 630.187 $\pm$ 148.231 χ^2 /NDF: 116.4/77

- sign 231.913 $\pm$ 212.690 χ^2 /NDF: 37.0/38

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

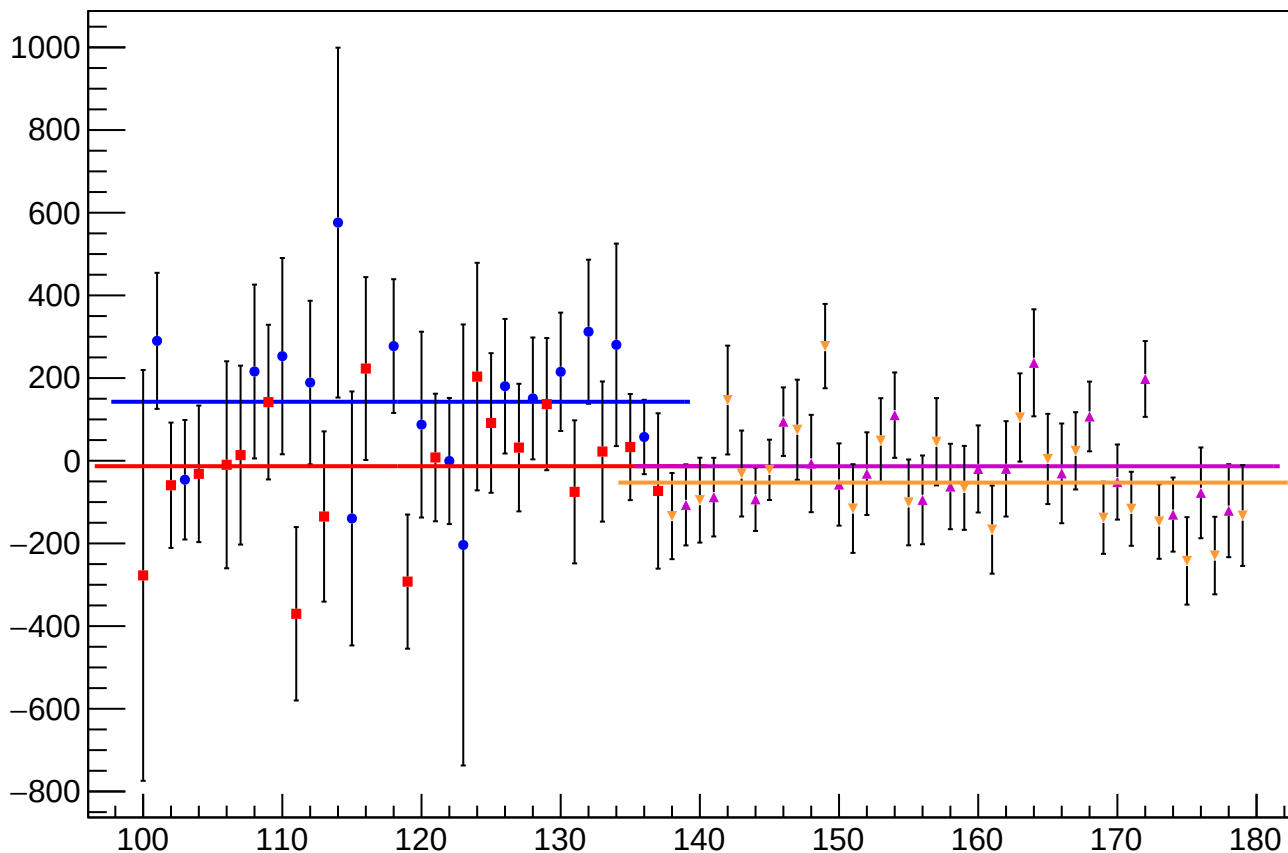
Left In: 890.765+/-0.161 χ^2/NDF : 494434.5/19

+ sign 964.045+/-0.146 χ^2/NDF : 2769386.6/38

All: 969.662+/-0.105 χ^2/NDF : 5852718.1/77

- sign 975.610+/-0.150 χ^2/NDF : 3080290.1/38

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

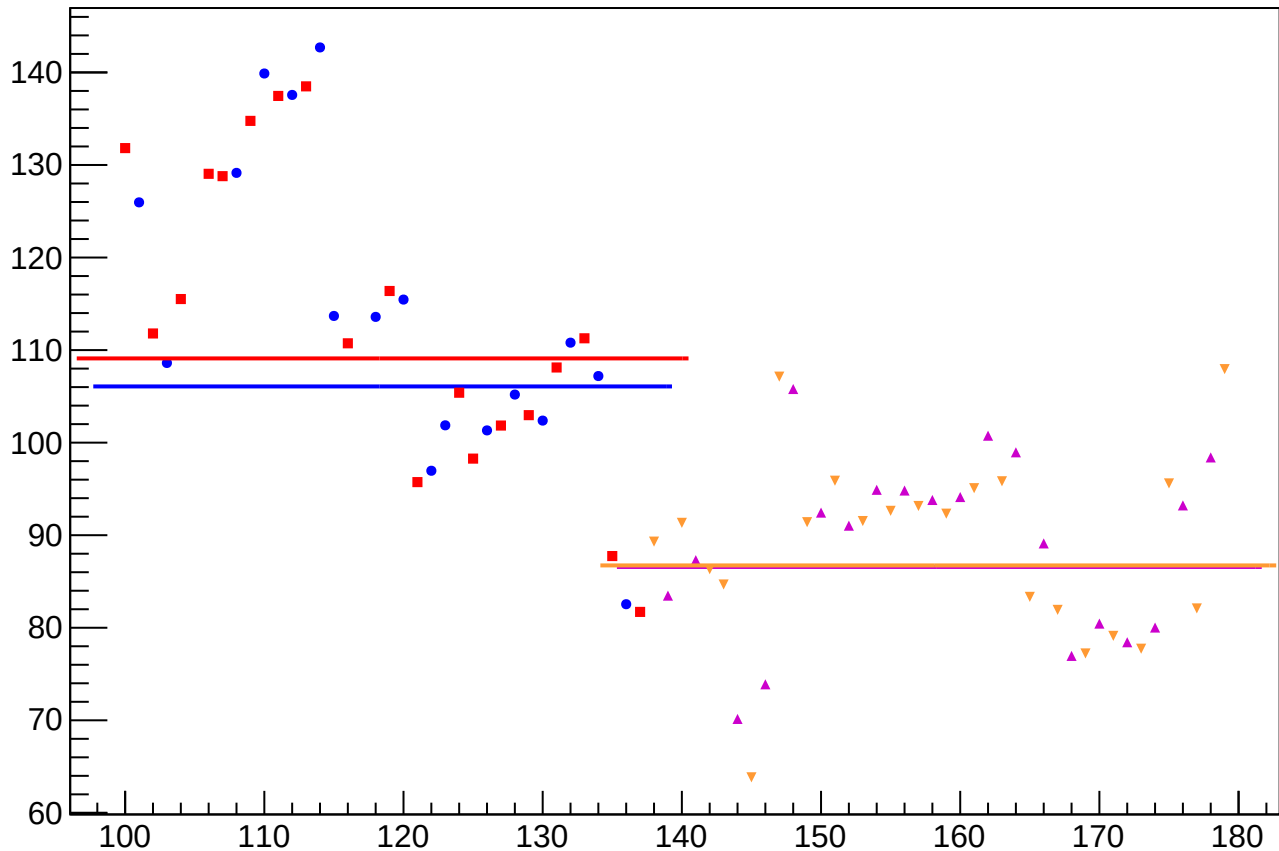
Left In: -13.322 $\pm$ 22.146 χ^2 /NDF:21.0/19

+ sign -11.807 $\pm$ 19.063 χ^2 /NDF: 58.1/38

All: -12.530 $\pm$ 13.641 χ^2 /NDF: 89.9/77

- sign -13.290 $\pm$ 19.527 χ^2 /NDF: 31.8/38

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

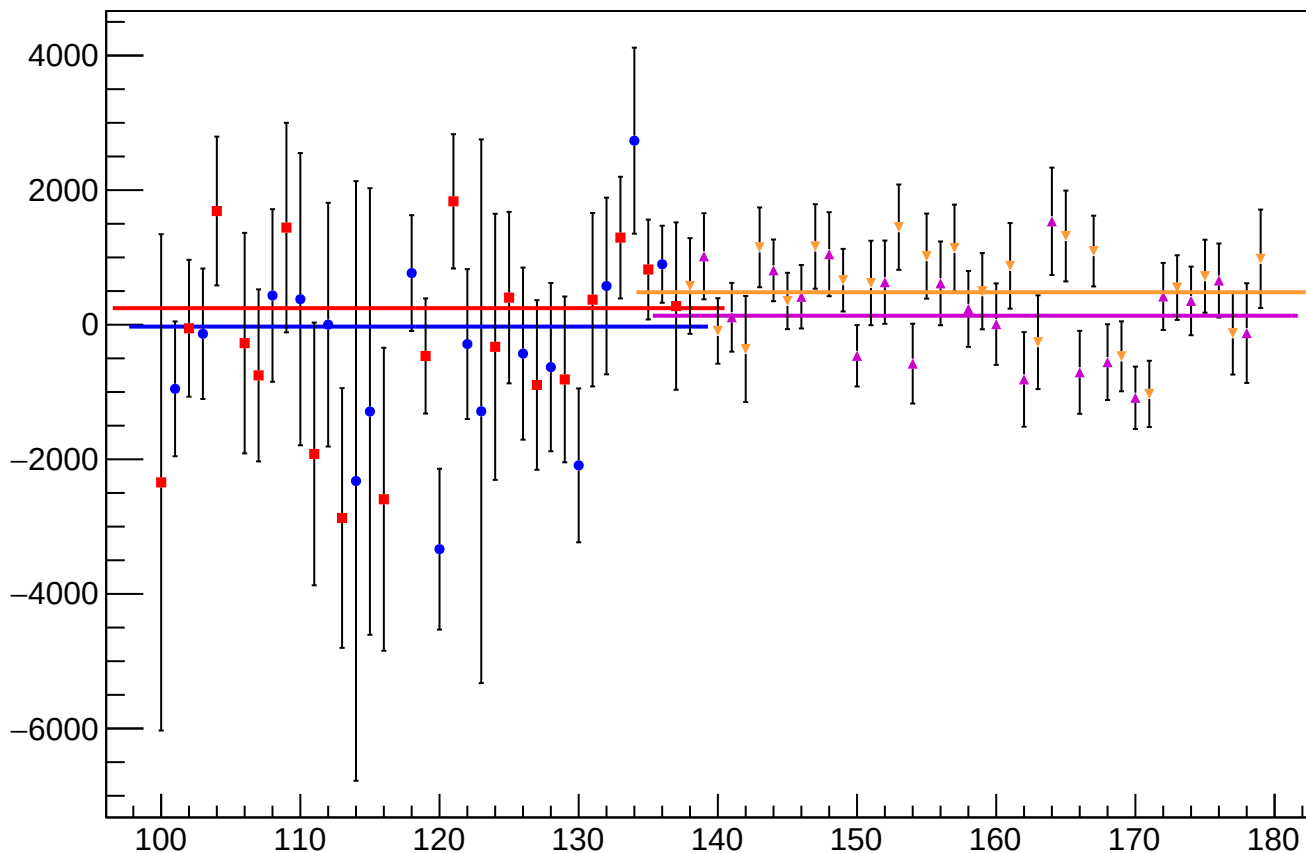
Left In: 86.566 $\pm$ 0.016 χ^2 /NDF: 390408.0/19

+ sign 90.791 $\pm$ 0.013 χ^2 /NDF: 1133365.1/38

All: 91.176 $\pm$ 0.010 χ^2 /NDF: 2271608.8/77

- sign 91.581 $\pm$ 0.014 χ^2 /NDF: 1136570.8/38

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

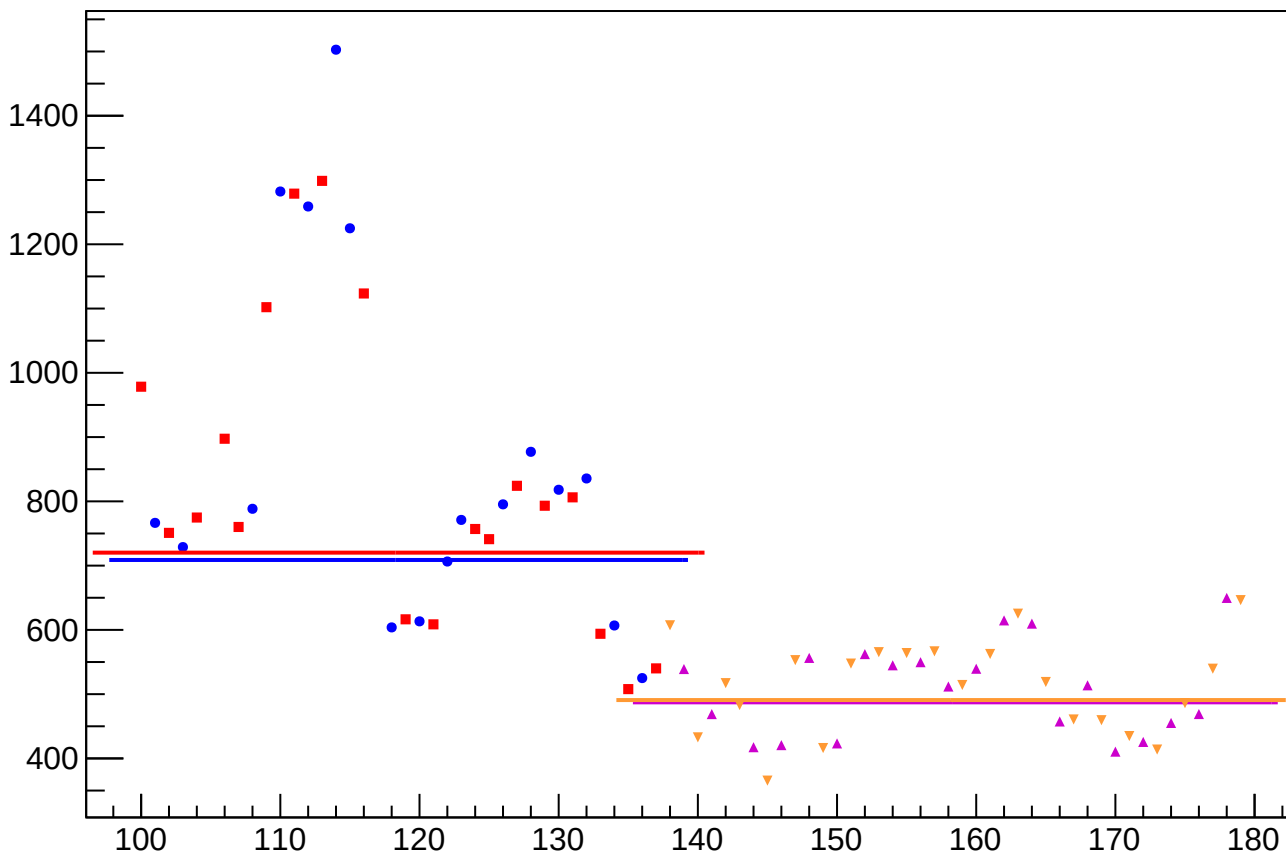
Left In: 133.987 ± 125.144 χ^2/NDF : 27.8/19

+ sign 402.830 ± 112.203 χ^2/NDF : 51.5/38

All: 280.017 ± 80.041 χ^2/NDF : 97.7/77

- sign 152.763 ± 114.214 χ^2/NDF : 43.8/38

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

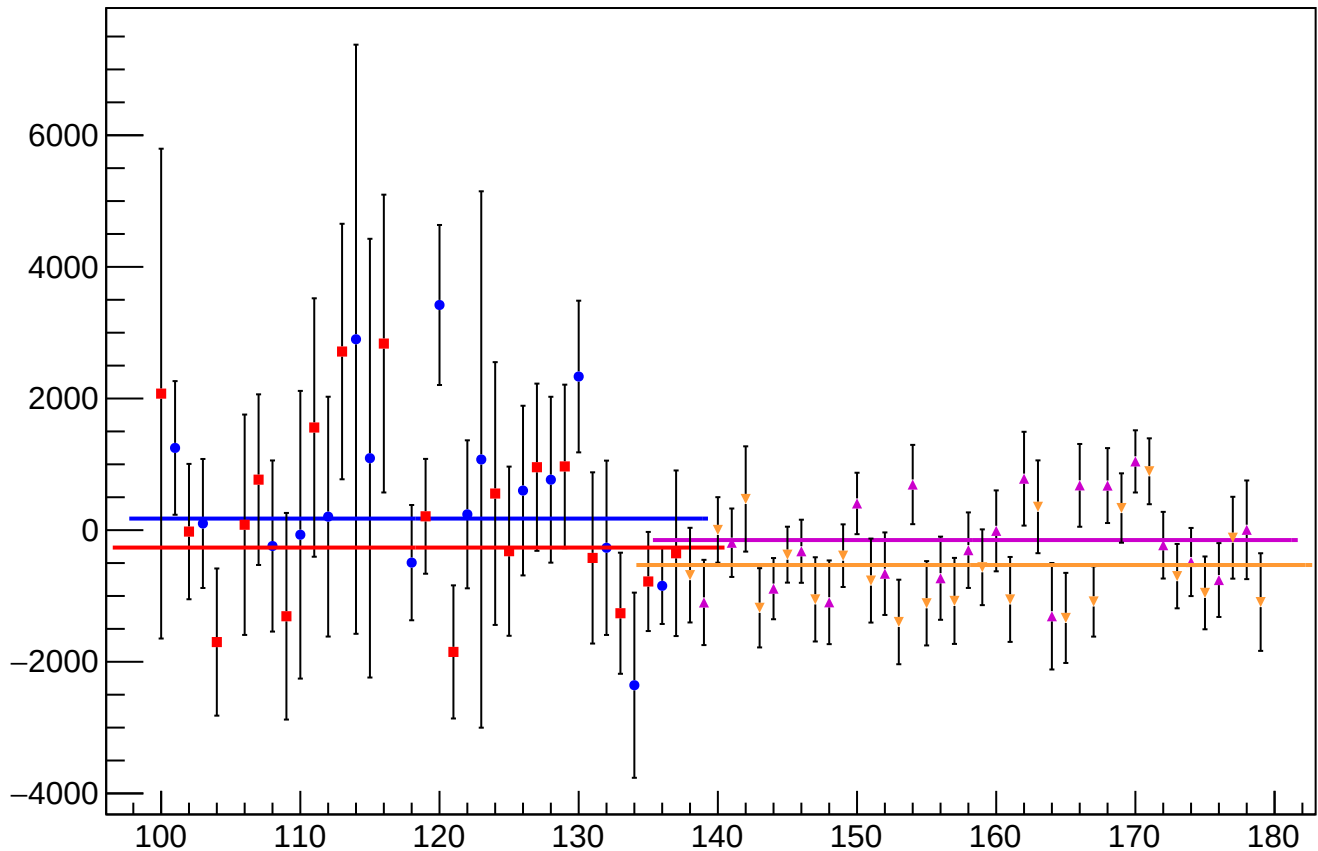
Left In: 487.258 $\pm$ 0.088 χ^2 /NDF: 566554.7/19

+ sign 524.893 $\pm$ 0.079 χ^2 /NDF: 2523841.2/38

All: 525.520 $\pm$ 0.057 χ^2 /NDF: 5148006.7/77

- sign 526.170 $\pm$ 0.081 χ^2 /NDF: 2624038.2/38

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

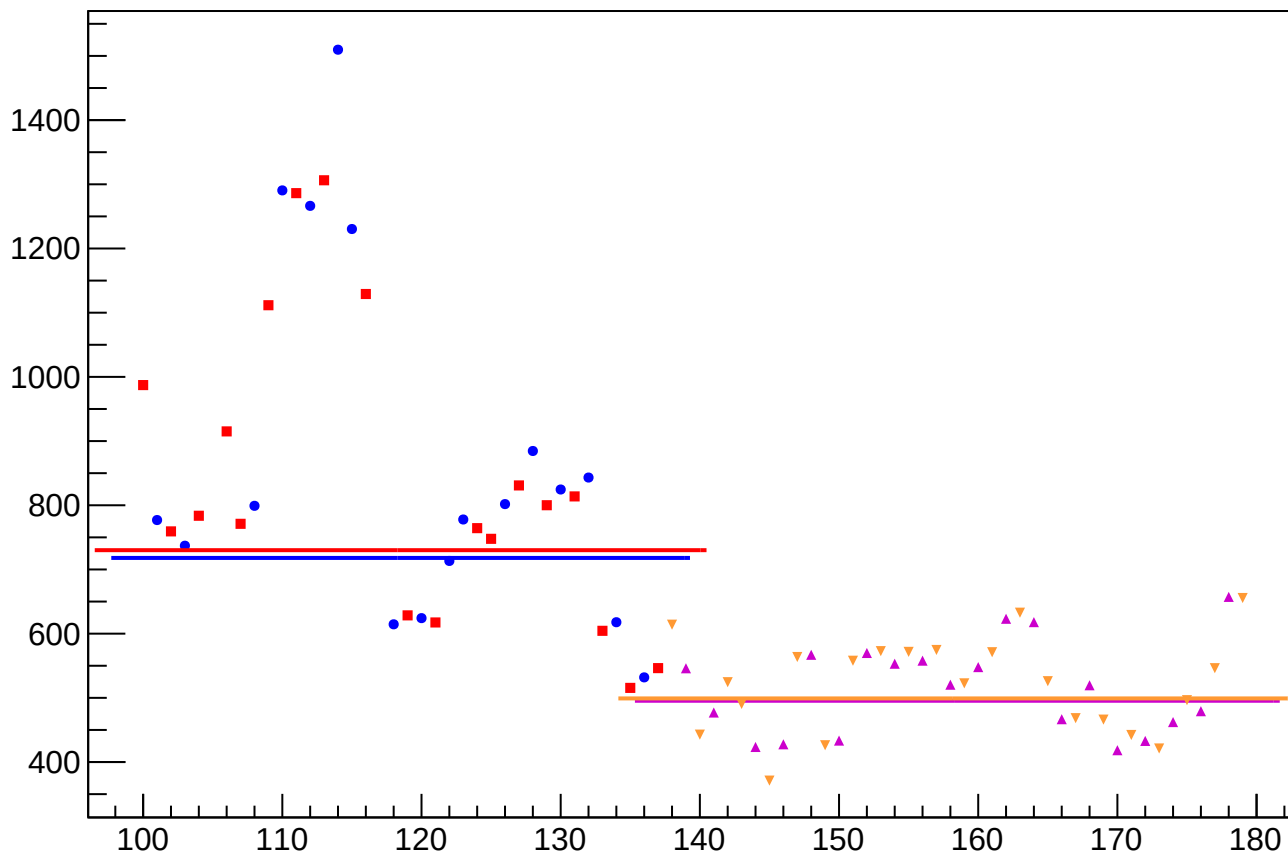
Left In: -150.572 ± 127.212 χ^2/NDF : 27.7/19

+ sign -418.562 ± 113.972 χ^2/NDF : 50.3/38

All: -296.379 ± 81.309 χ^2/NDF : 95.3/77

- sign -169.735 ± 116.034 χ^2/NDF : 42.6/38

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

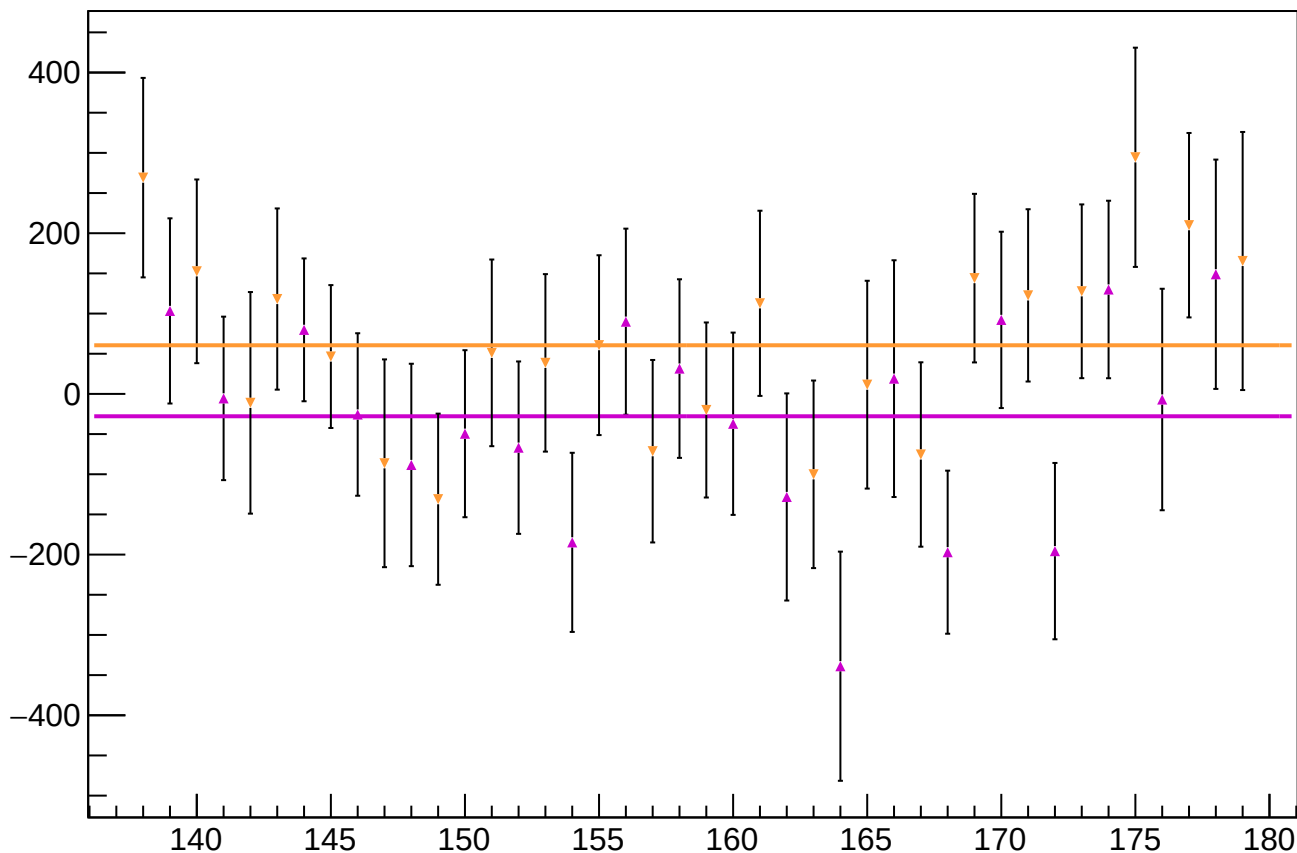
Left In: 495.486 $\pm$ 0.090 χ^2 /NDF: 552607.2/19

+ sign 533.566 $\pm$ 0.081 χ^2 /NDF: 2475384.7/38

All: 534.219 $\pm$ 0.057 χ^2 /NDF: 5052394.6/77

- sign 534.896 $\pm$ 0.082 χ^2 /NDF: 2576876.1/38

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 60.530+/-24.538 χ^2/NDF :20.6/21

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

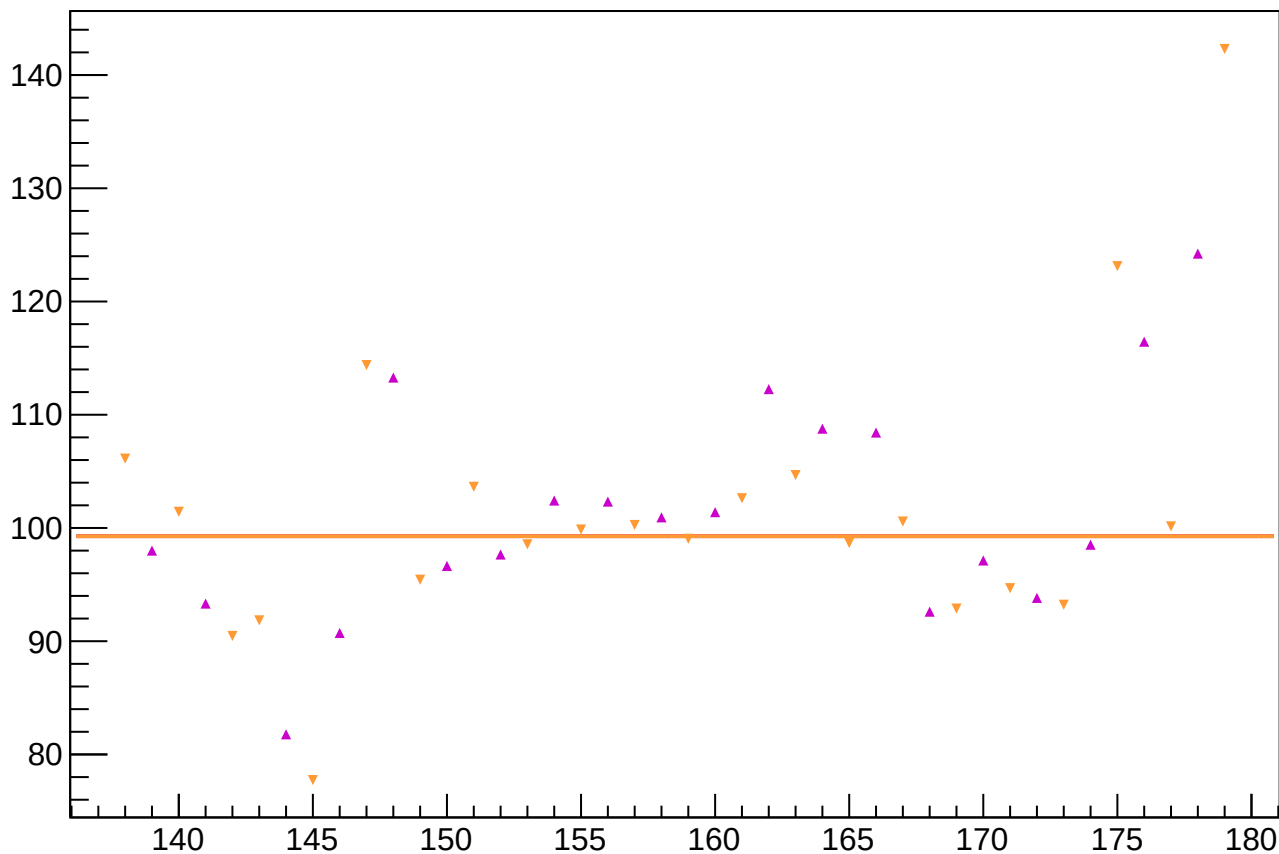
Left In: -27.839+/-25.362 χ^2/NDF :21.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 17.805+/-17.635 χ^2/NDF : 48.7/41

- sign 0.000+/-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

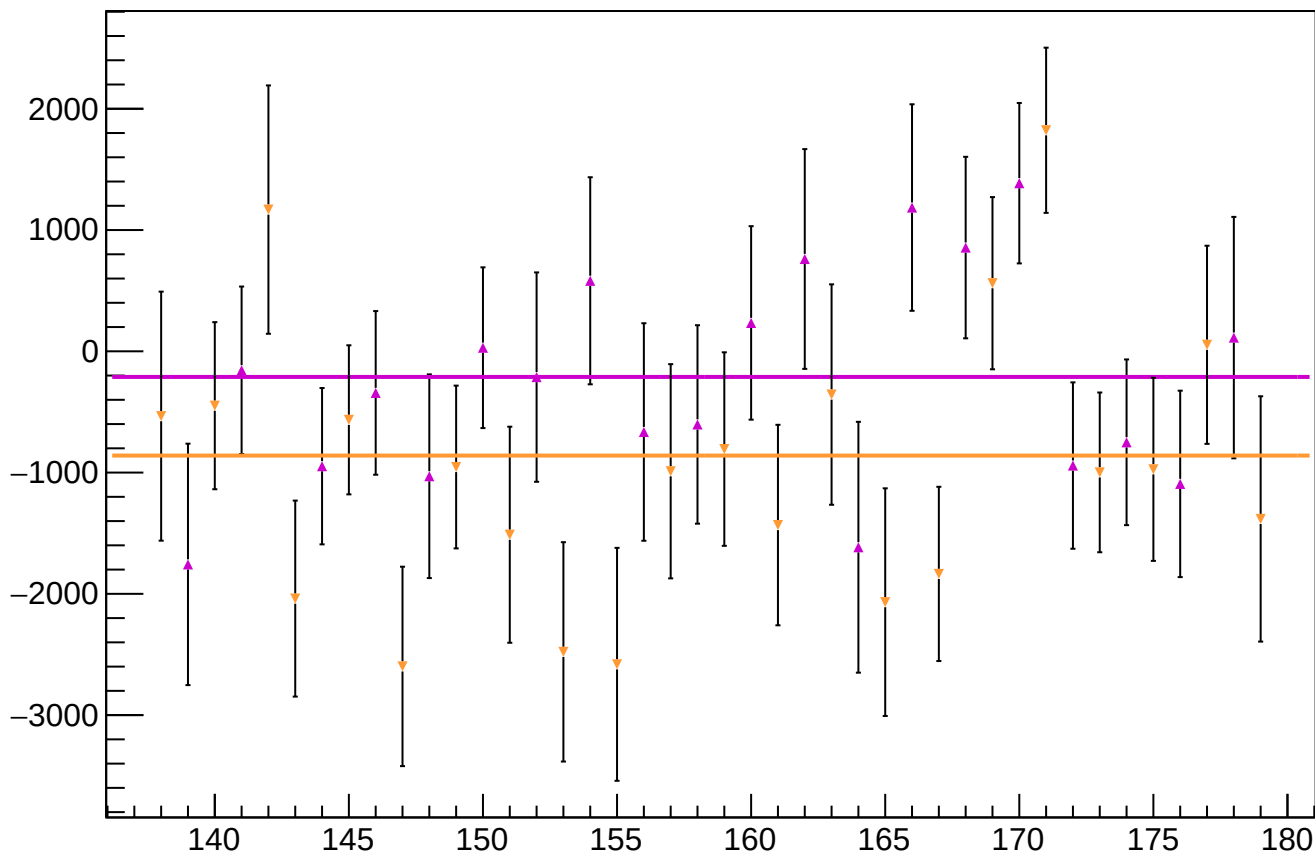
Left In: 99.287+/-0.018 χ^2/NDF : 273002.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 99.280+/-0.012 χ^2/NDF : 675419.5/41

- 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

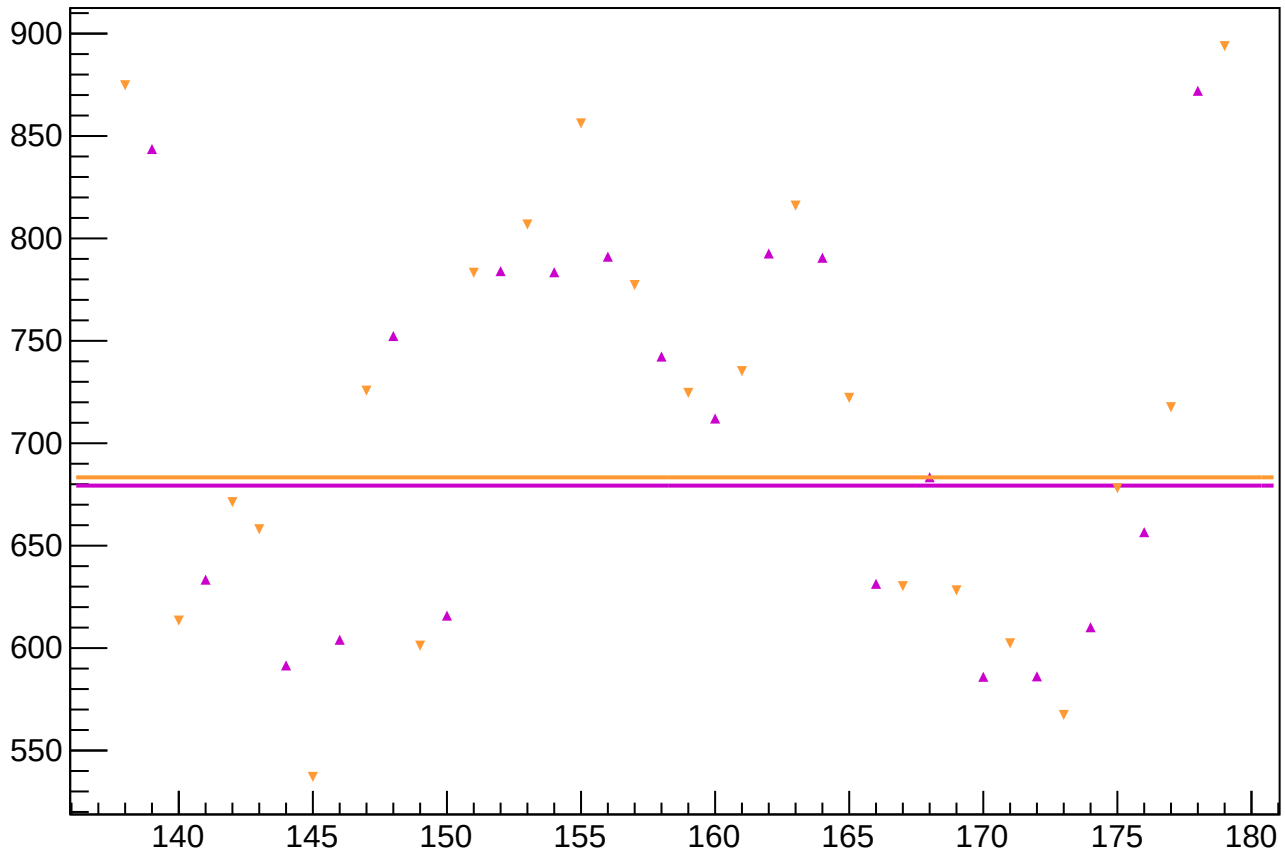
Left In: -211.340+/-174.083 χ^2/NDF : 23.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -543.813+/-121.514 χ^2/NDF : 74.0/41

- 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

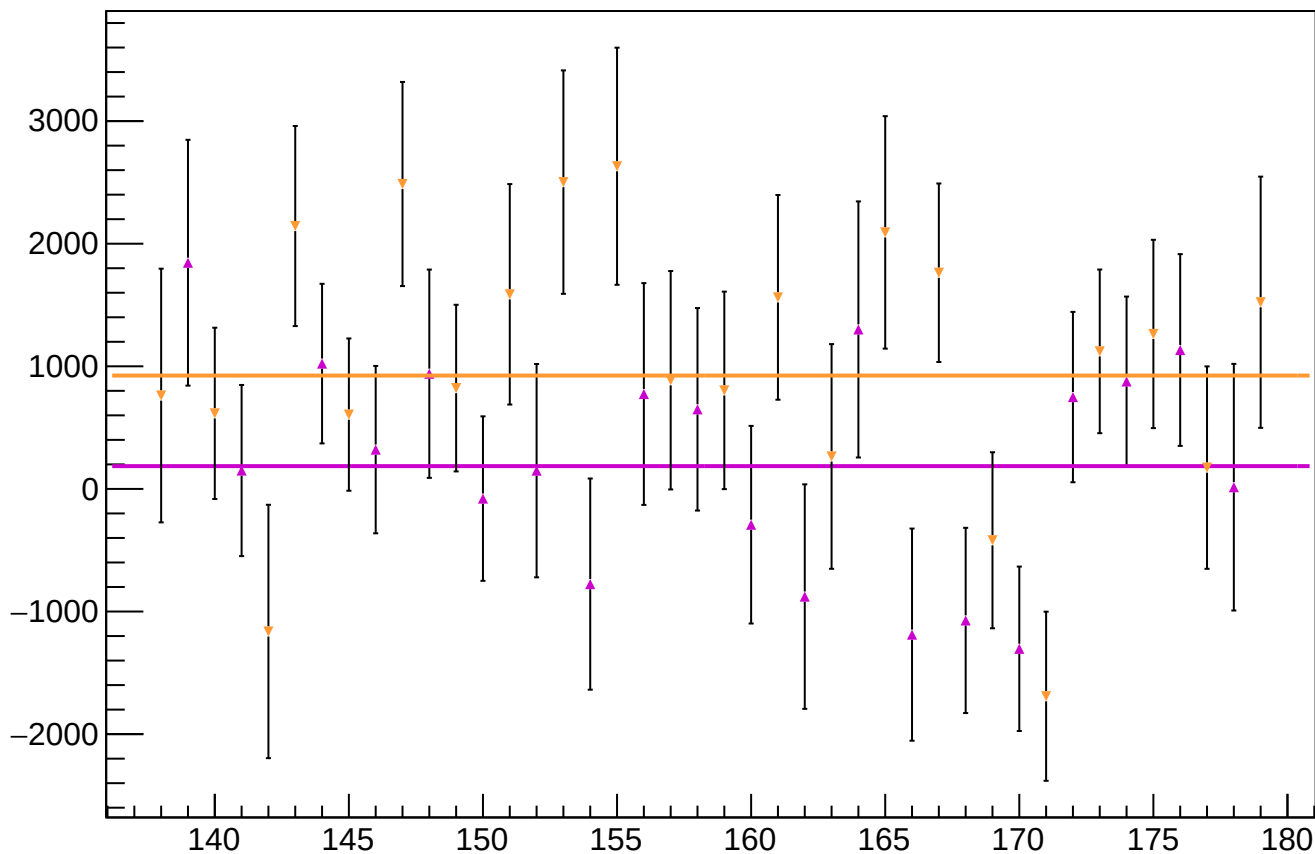
Left In: 679.326+/-0.123 χ^2/NDF : 498974.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 681.393+/-0.086 χ^2/NDF : 1152992.3/41

- 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

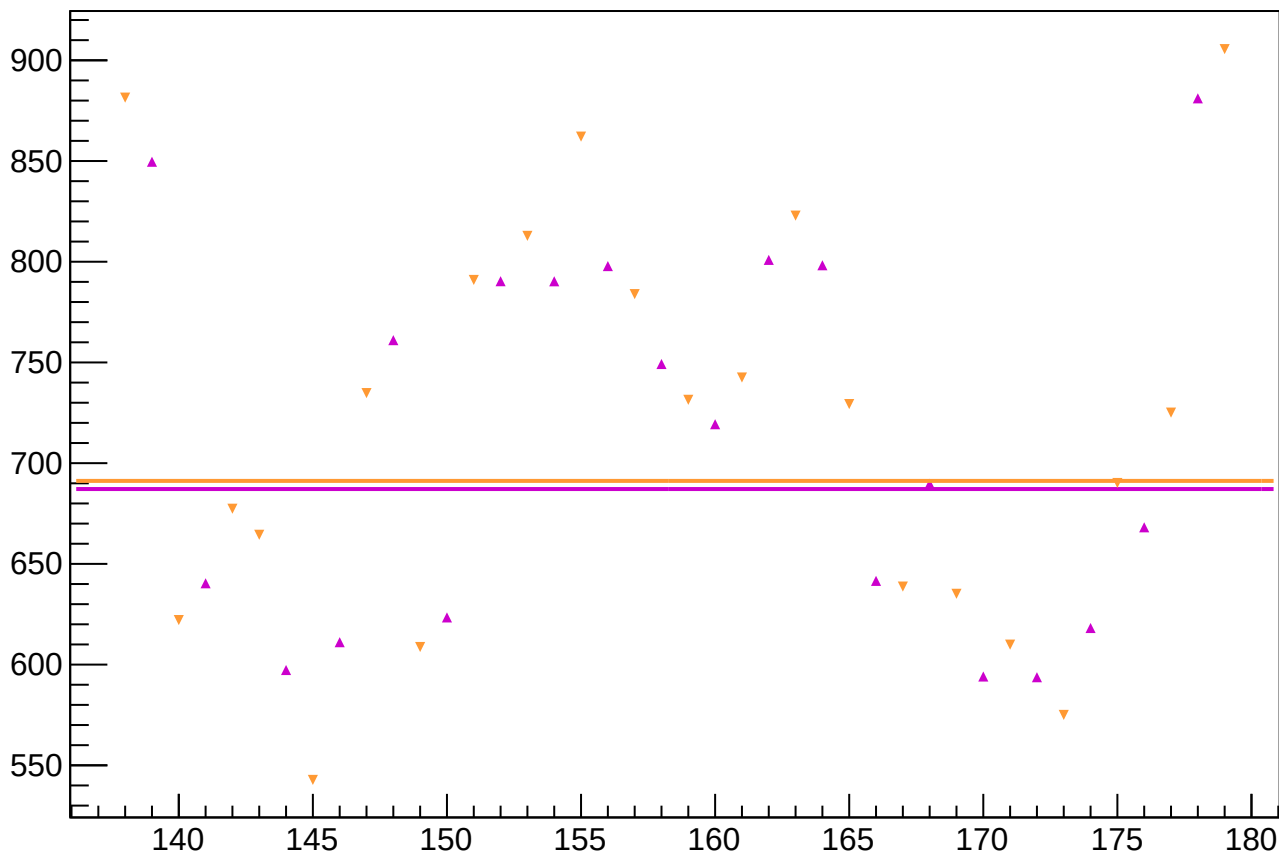
Left In: 185.832 $\pm$ 176.049 χ^2 /NDF:23.6/19

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

All: 564.720 $\pm$ 122.881 χ^2 /NDF: 72.9/41

- 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

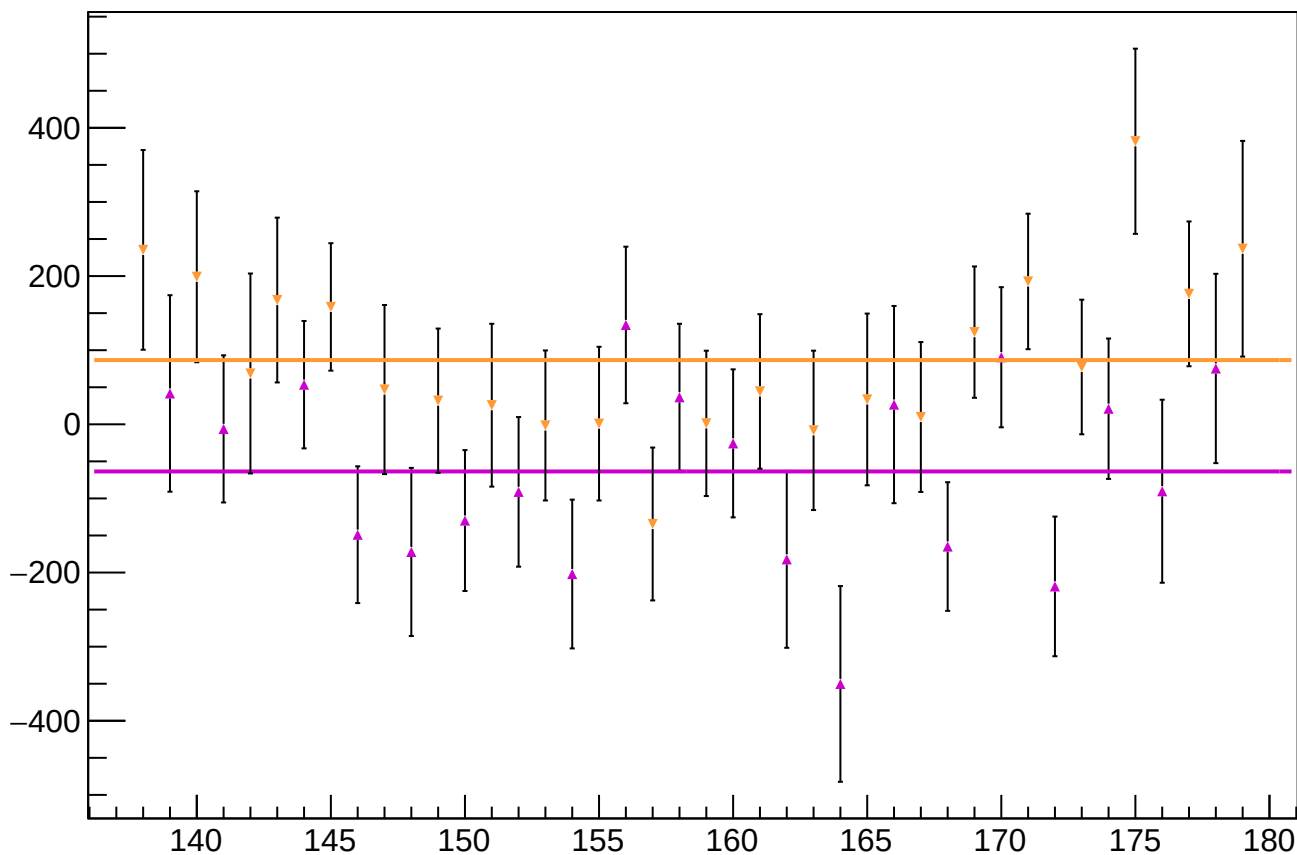
Left In: 687.154+/-0.124 χ^2/NDF : 488103.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 689.227+/-0.087 χ^2/NDF : 1130902.1/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 86.627 $\pm$ 22.413 χ^2 /NDF:21.7/21

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

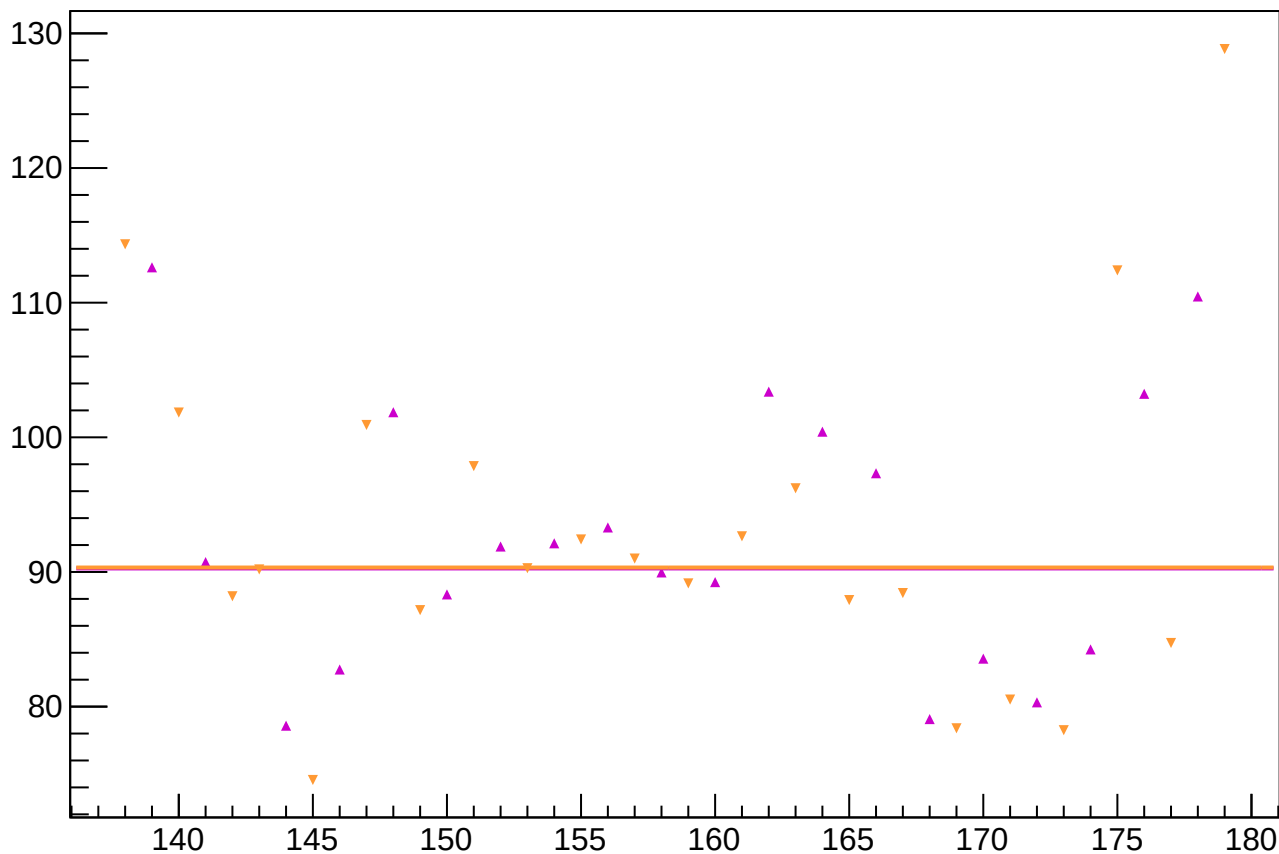
Left In: -63.618 $\pm$ 23.133 χ^2 /NDF:26.6/19

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

All: 13.879 $\pm$ 16.097 χ^2 /NDF: 70.1/41

- sign 0.000 $\pm$ 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

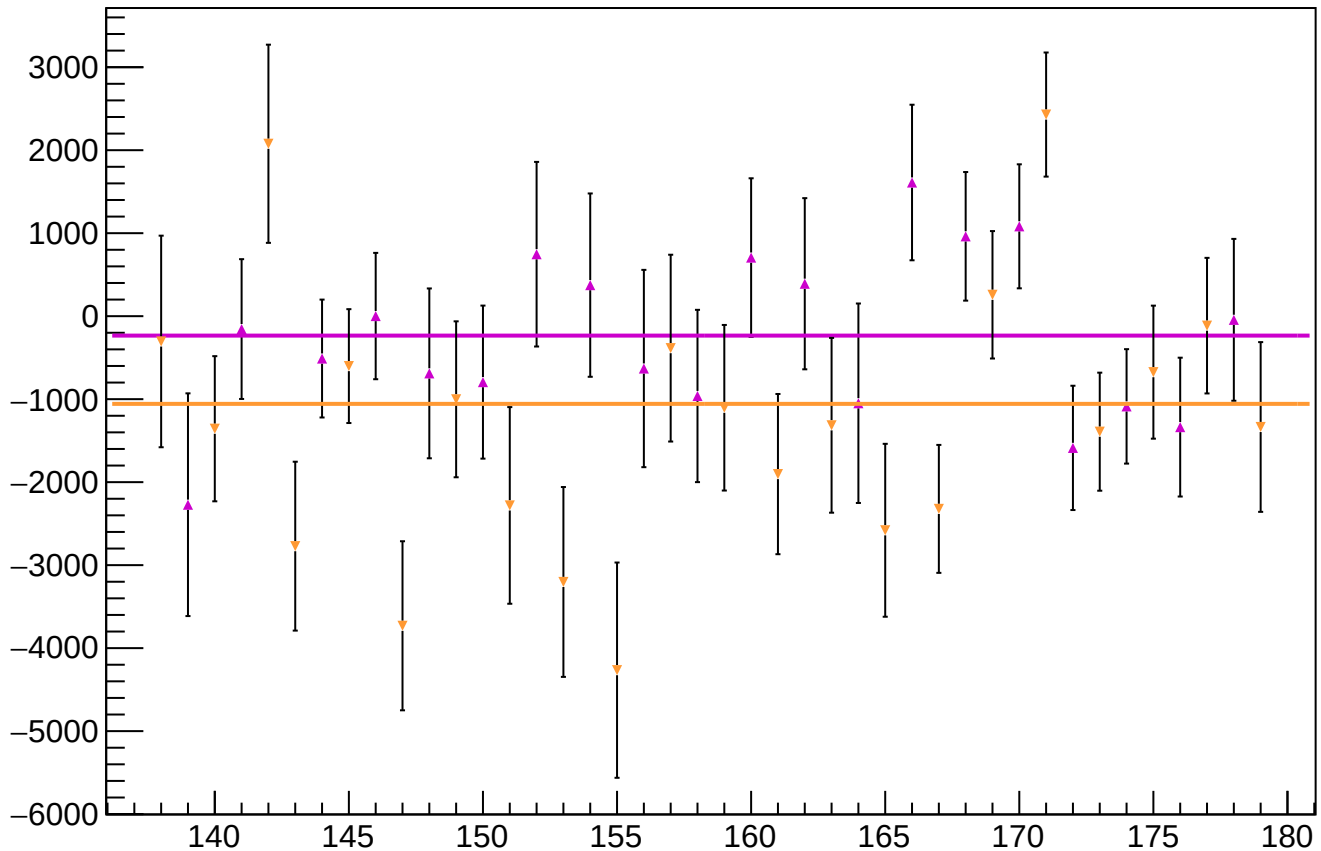
Left In: 90.263+/-0.016 χ^2/NDF :319427.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 90.298+/-0.011 χ^2/NDF : 812967.4/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1056.718 $\pm$ 197.141 χ^2 /NDF:60.8/21

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

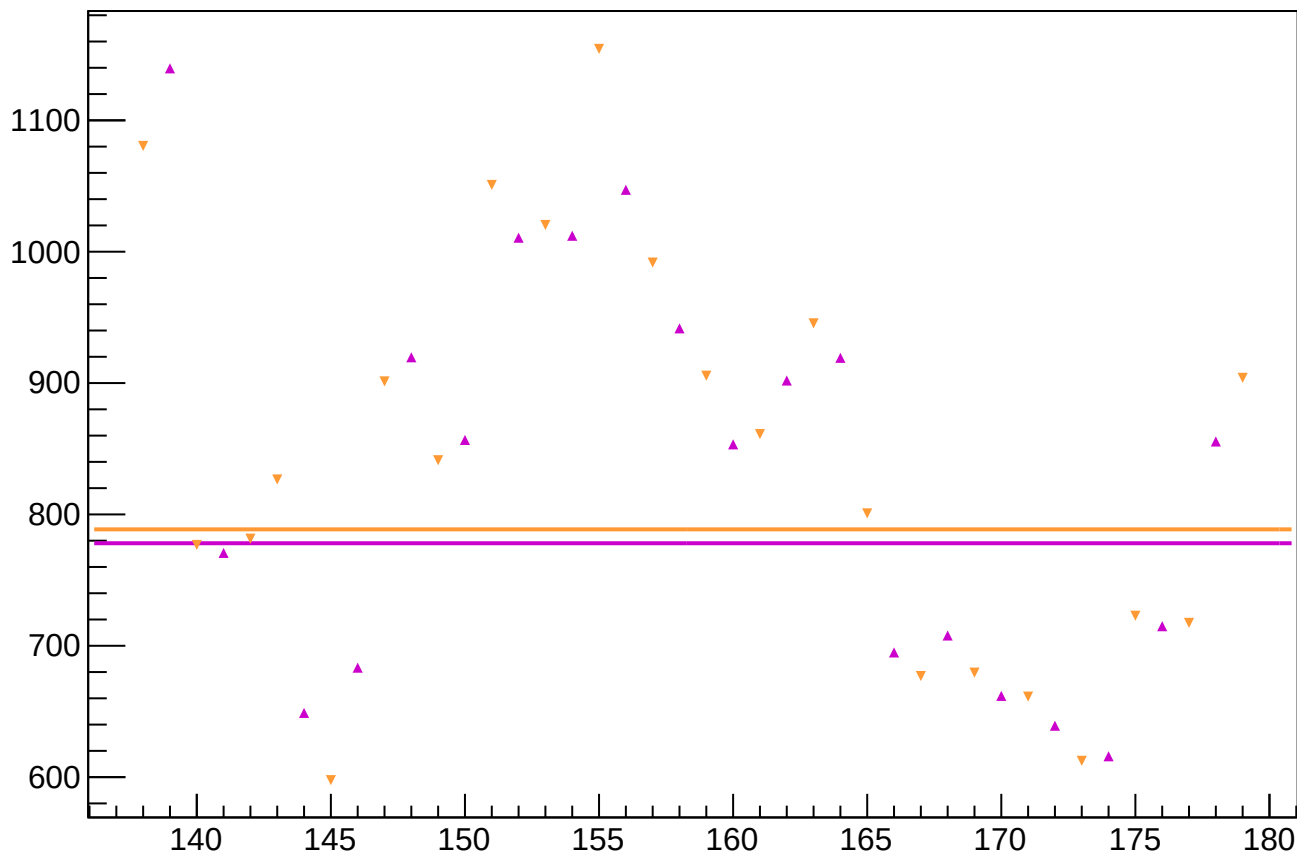
Left In: -234.074 $\pm$ 200.968 χ^2 /NDF:22.5/19

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

All: -653.303 $\pm$ 140.733 χ^2 /NDF: 91.9/41

- sign 0.000 $\pm$ 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

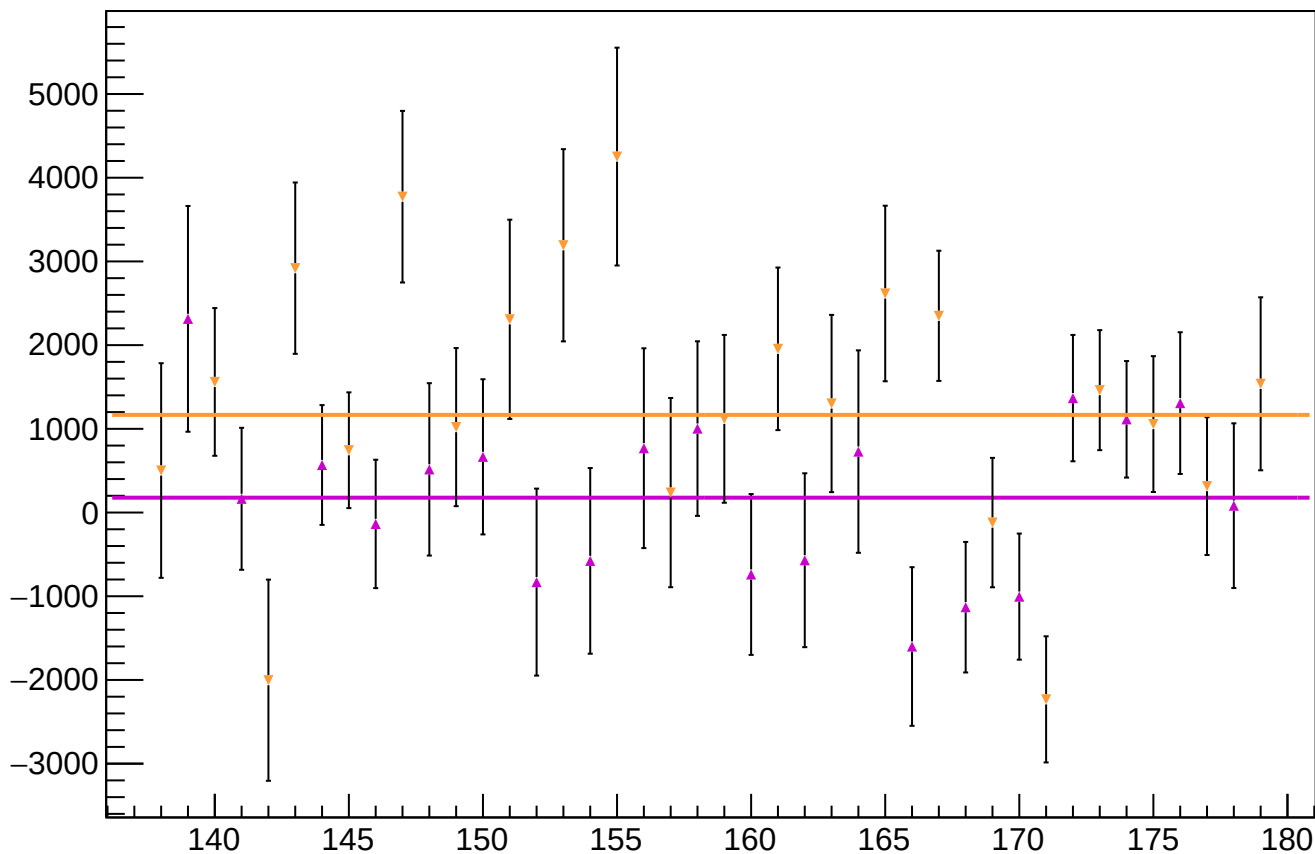
Left In: 778.059+/-0.142 χ^2/NDF :977606.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 783.444+/-0.100 χ^2/NDF : 2078961.7/41

- 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

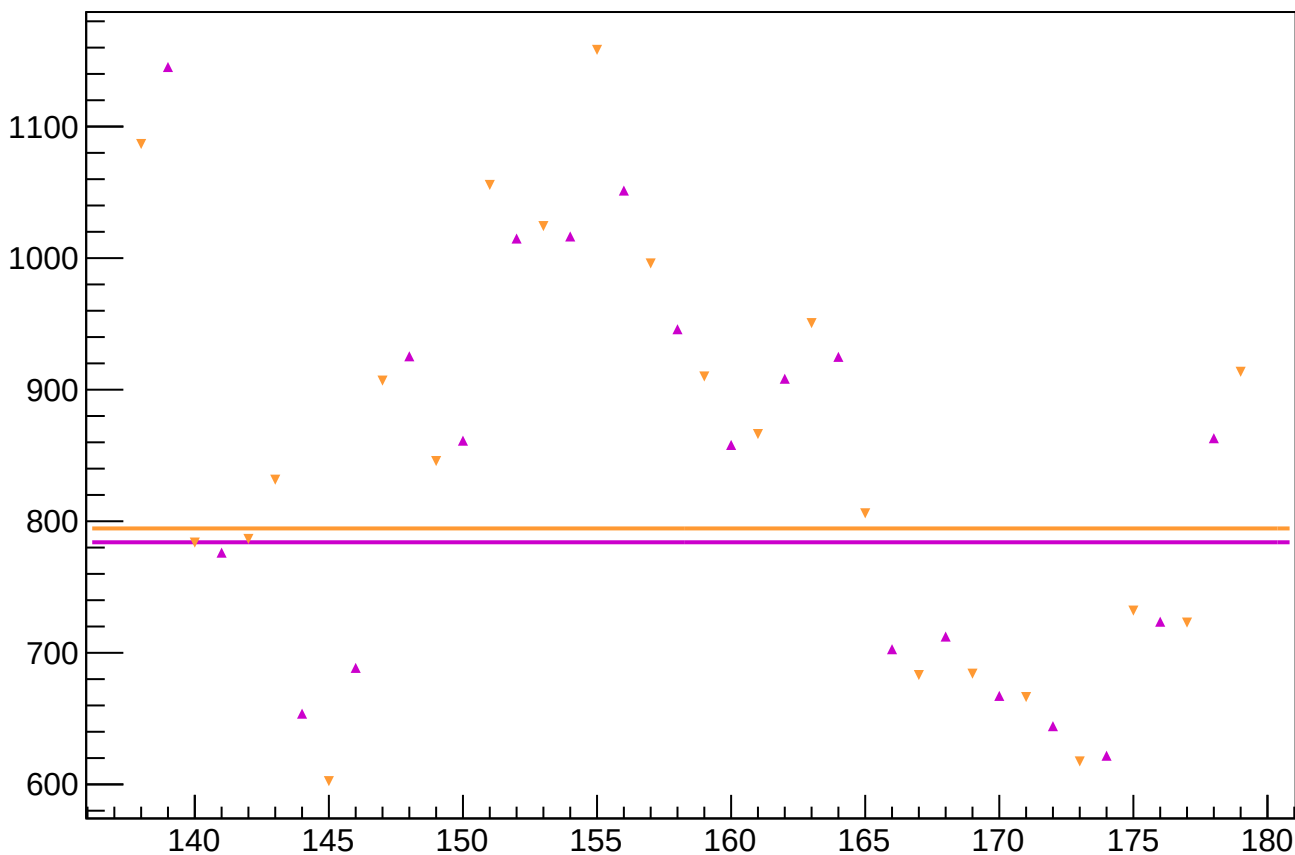
Left In: 177.384+/-202.455 χ^2/NDF : 22.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 681.541+/-141.764 χ^2/NDF : 91.2/41

- 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

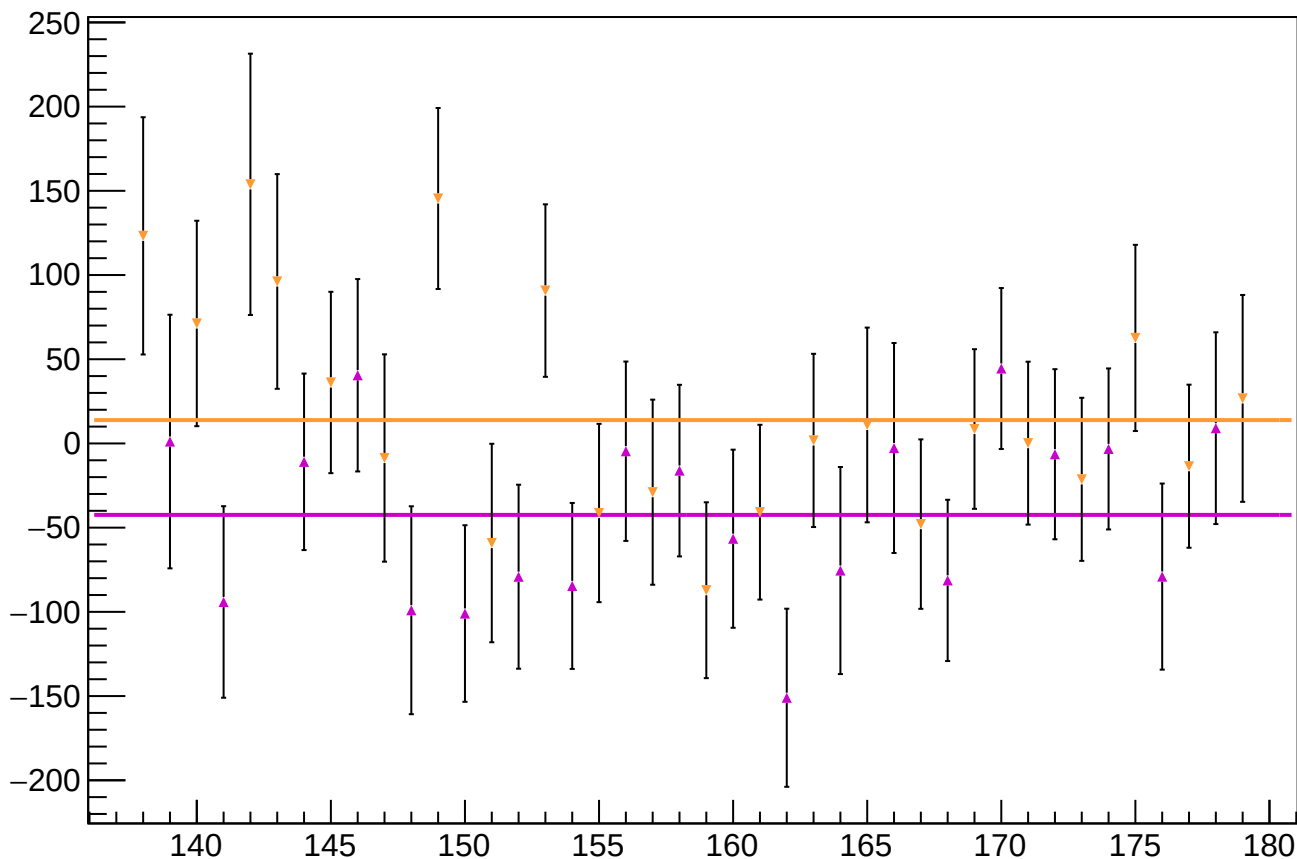
Left In: 784.023+/-0.143 χ^2/NDF :962025.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 789.385+/-0.100 χ^2/NDF : 2048394.1/41

- 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

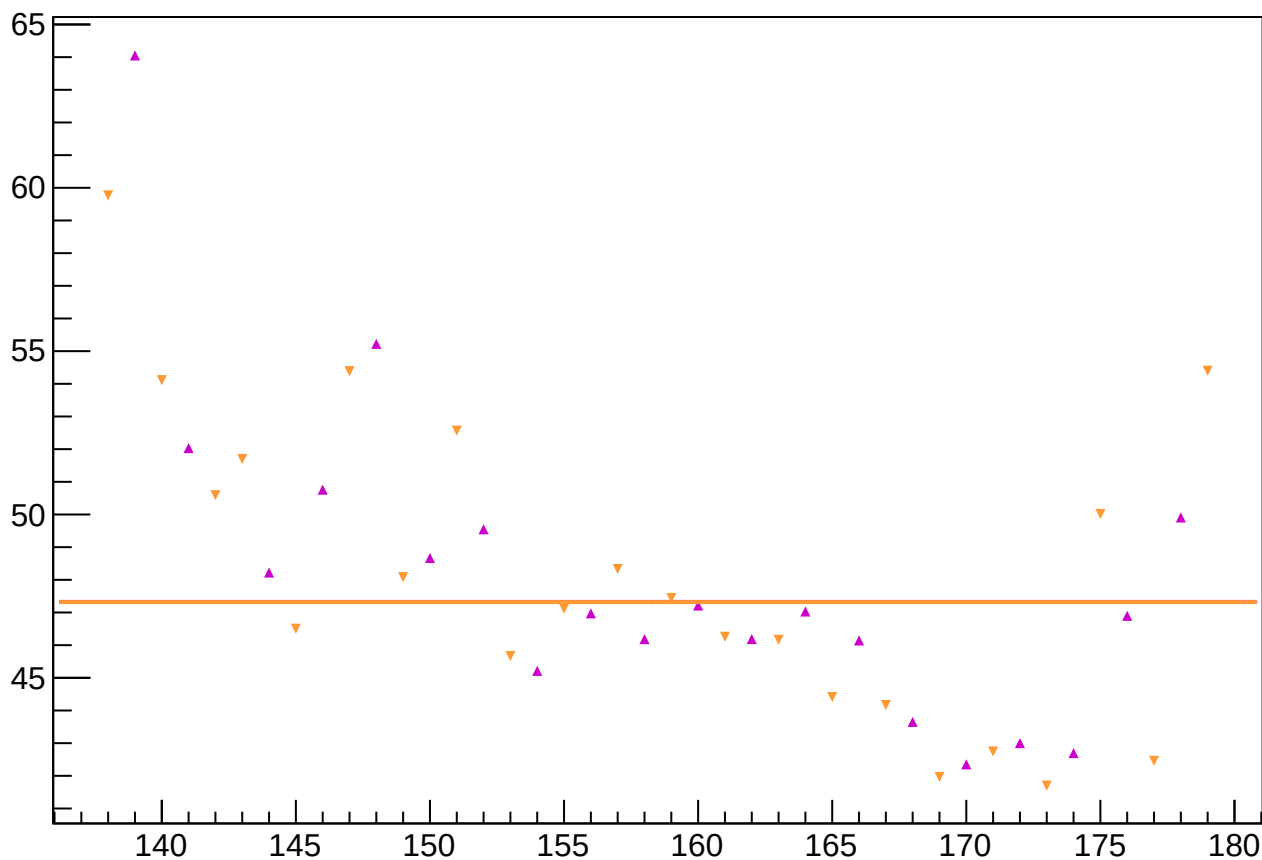
Left In: -42.427+/-12.087 χ^2/NDF : 19.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -13.328+/-8.401 χ^2/NDF : 58.5/41

- 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

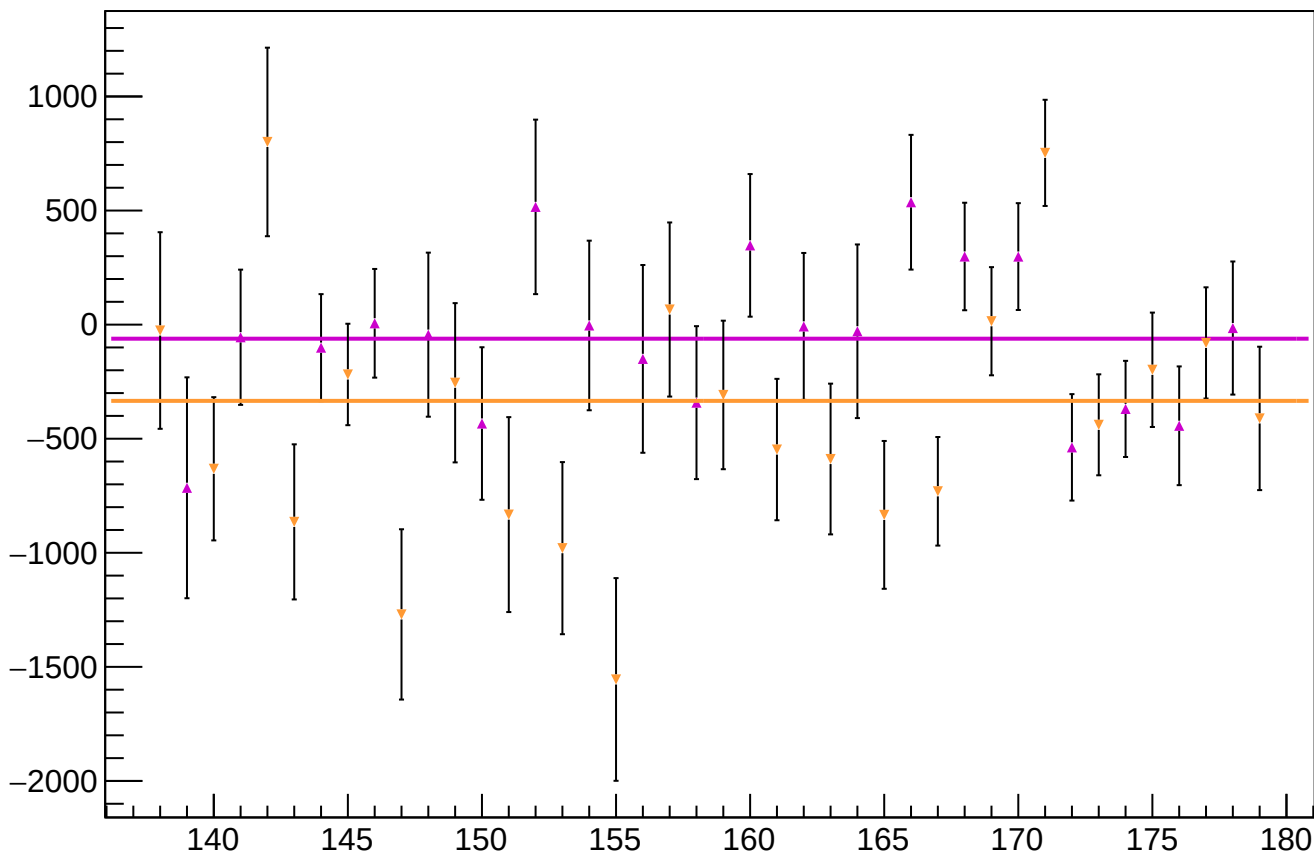
Left In: 47.324+/-0.009 χ^2/NDF :235159.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.321+/-0.006 χ^2/NDF : 517969.1/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -334.126+/-63.772 χ^2/NDF : 62.8/21

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

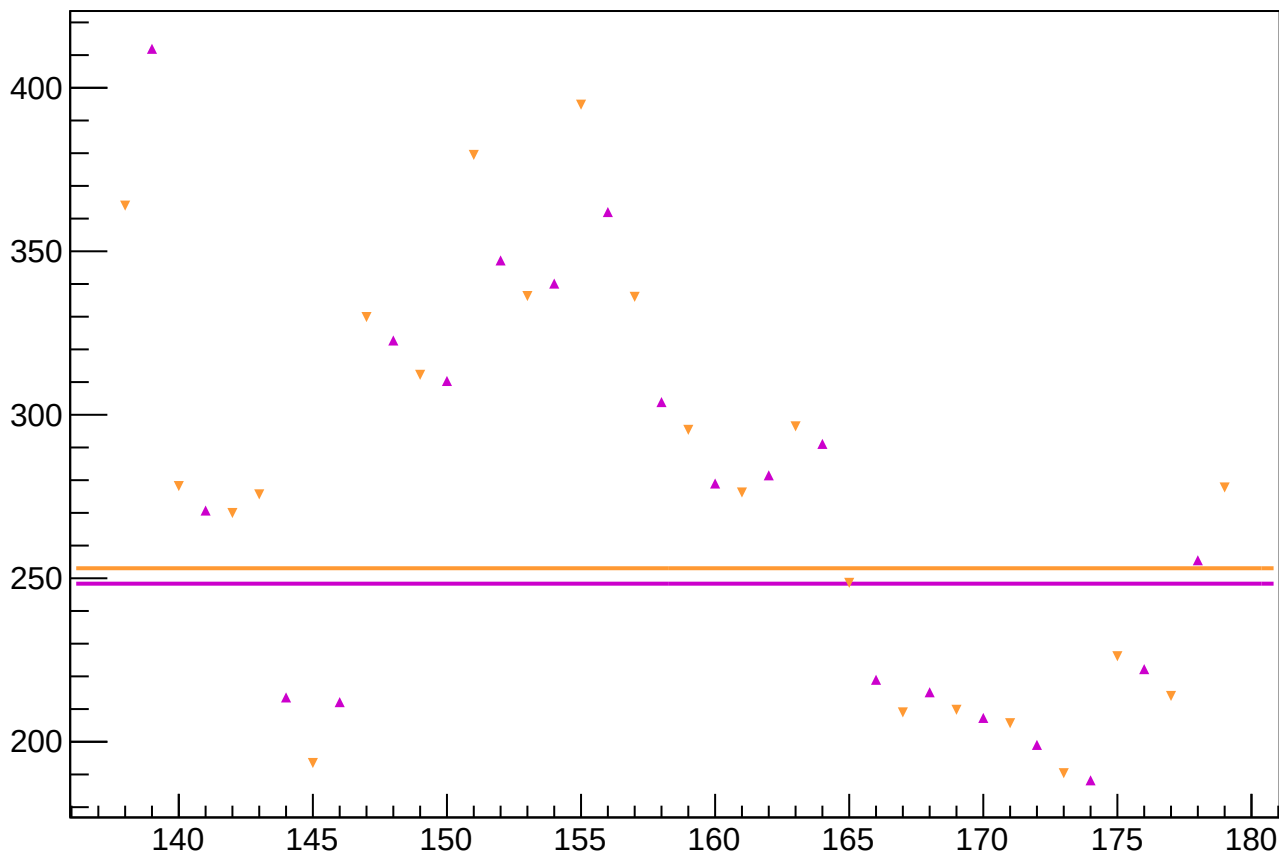
Left In: -61.633+/-64.689 χ^2/NDF : 25.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -199.823+/-45.415 χ^2/NDF : 97.1/41

- sign 0.000+/-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

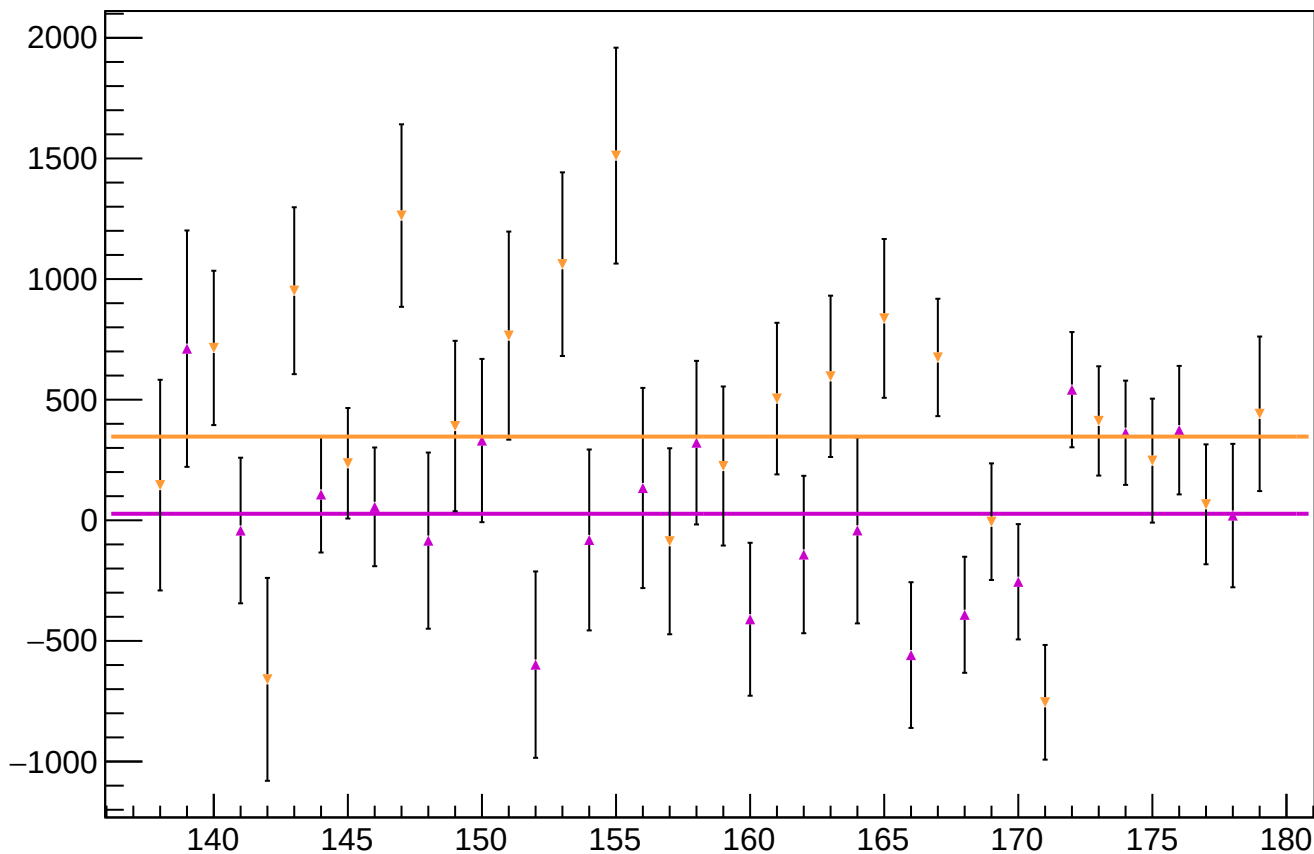
Left In: 248.349+/-0.046 χ^2/NDF :1407839.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 250.741+/-0.032 χ^2/NDF : 2972900.6/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_mean vs Slug



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

Left Out: 346.999+/-64.978 χ^2/NDF :59.1/21

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

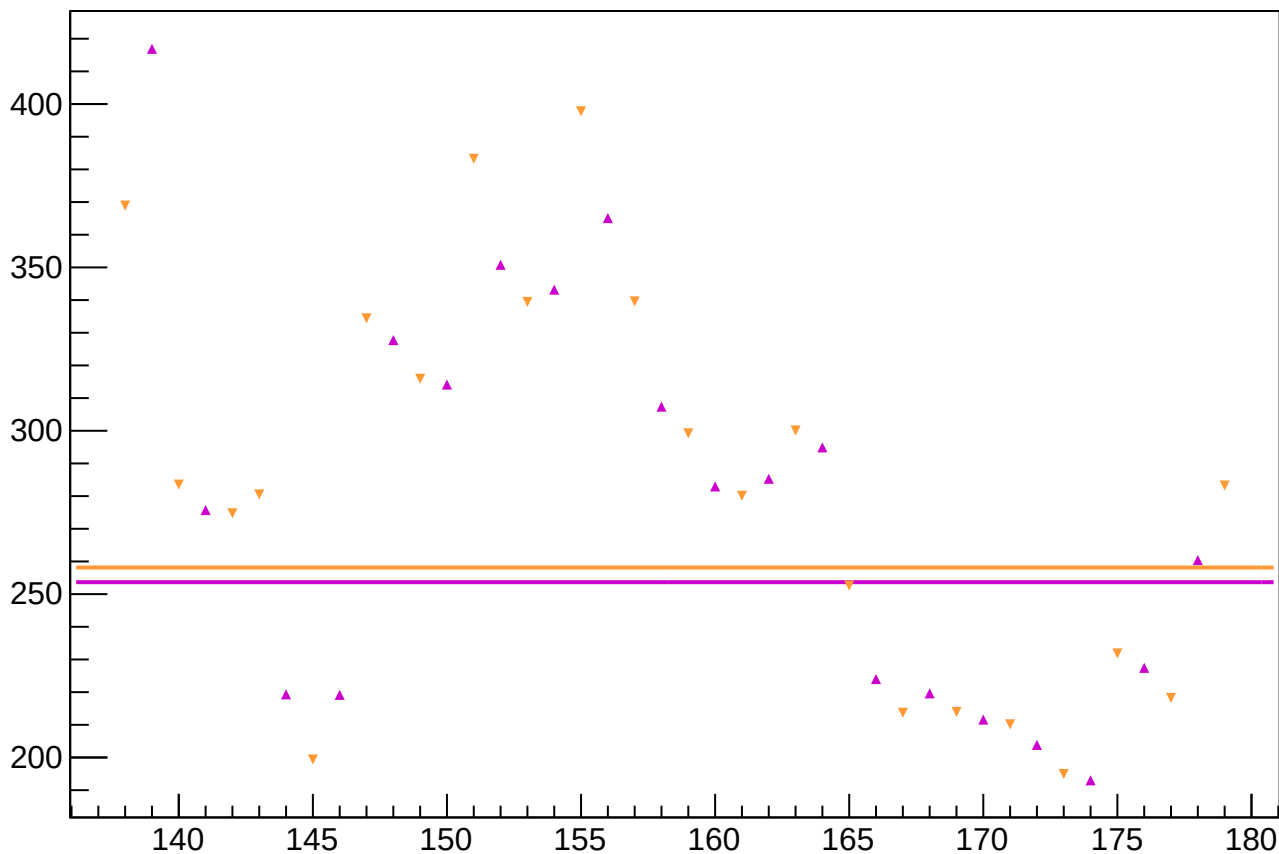
Left In: 27.061+/-65.989 χ^2/NDF :25.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 189.500+/-46.300 χ^2/NDF : 96.7/41

- sign 0.000+/-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

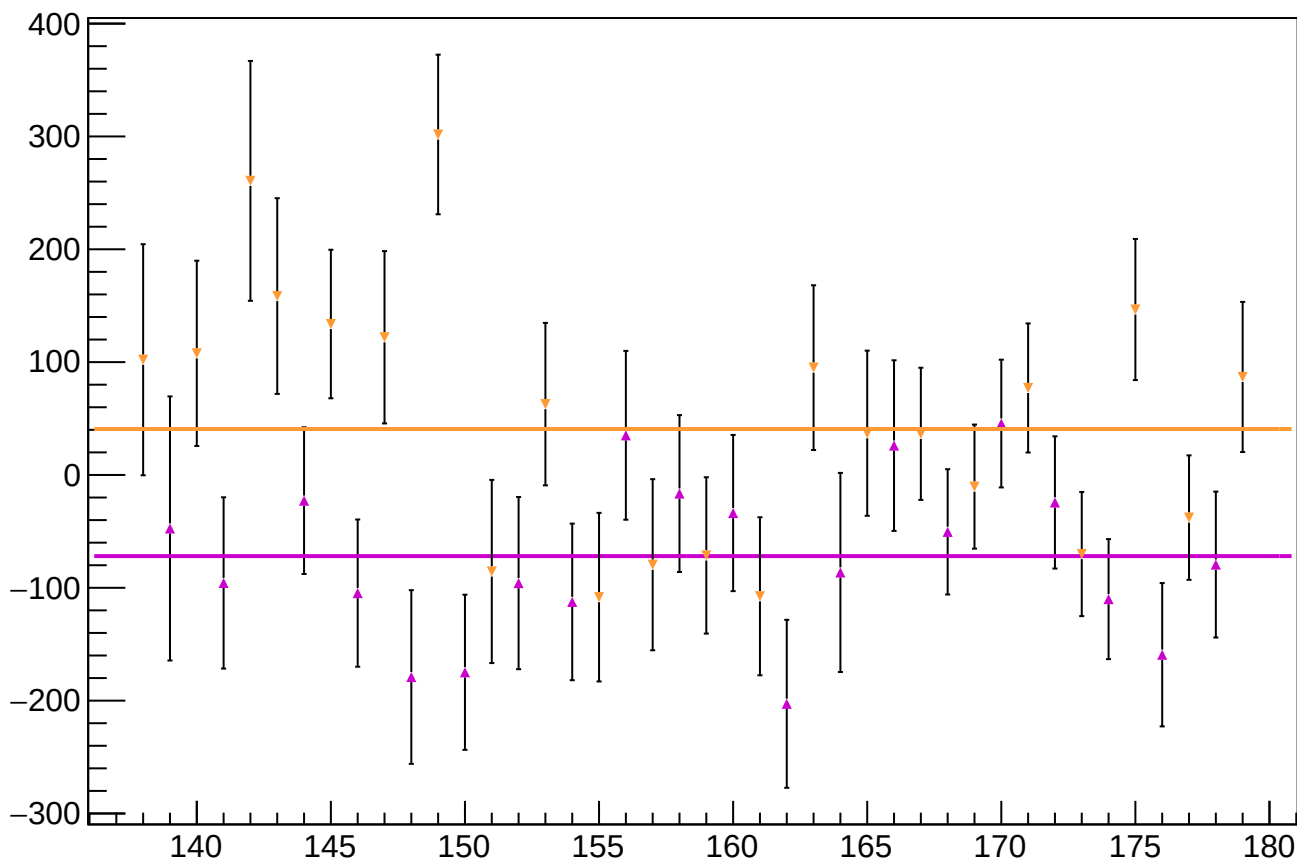
Left In: 253.658+/-0.047 χ^2/NDF :1338818.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 255.939+/-0.033 χ^2/NDF : 2834542.7/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 40.734+/-14.711 χ^2/NDF : 51.3/21

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

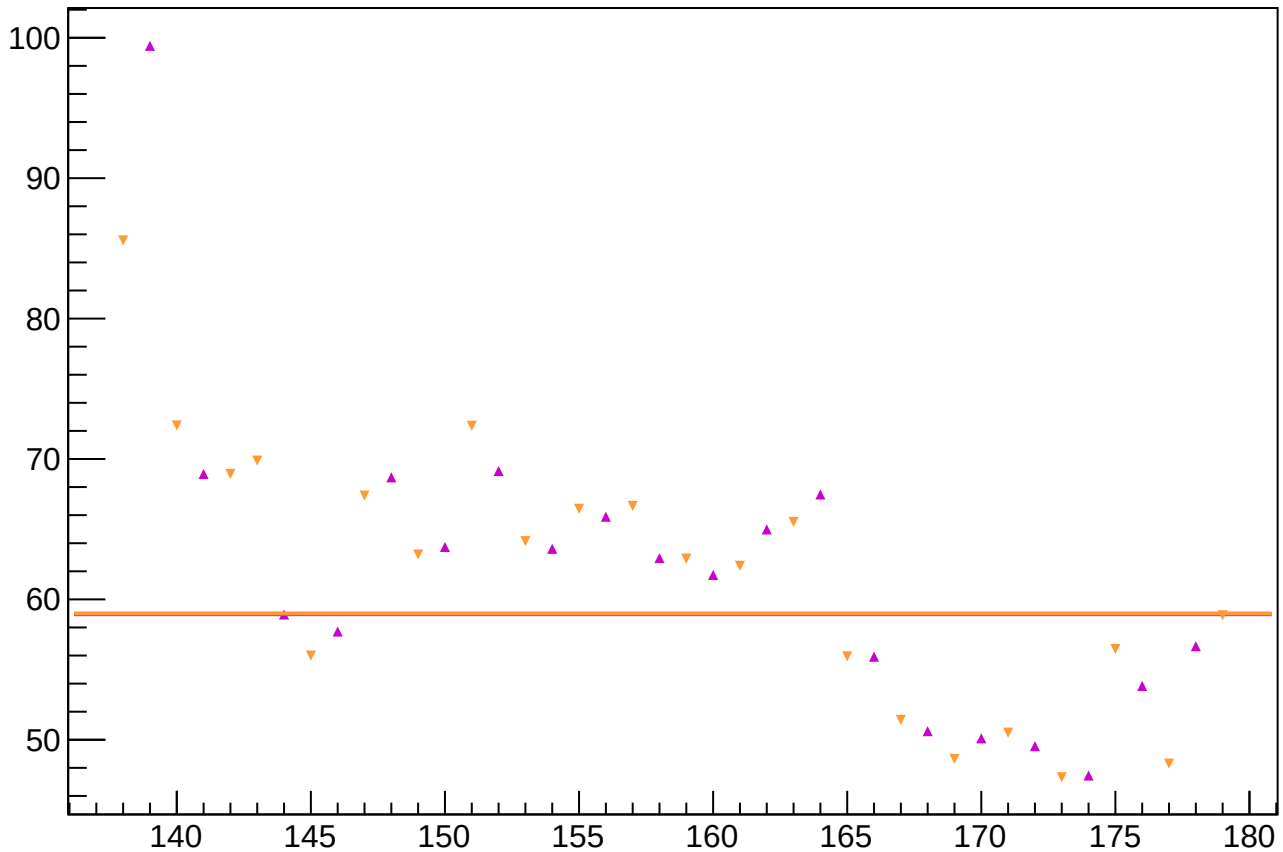
Left In: -71.913+/-15.206 χ^2/NDF : 20.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -13.728+/-10.573 χ^2/NDF : 100.5/41

- sign 0.000+/-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

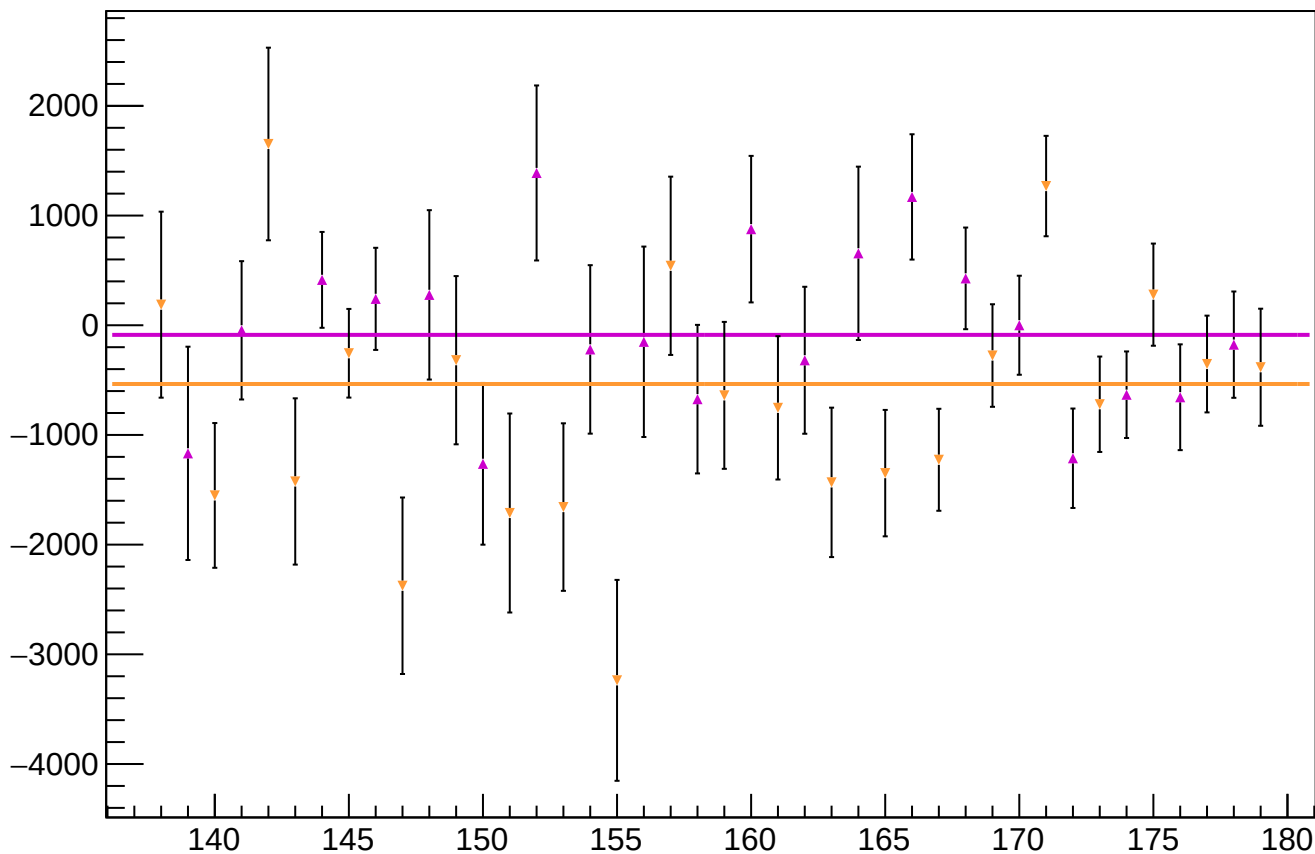
Left In: 58.947+/-0.011 χ^2/NDF : 677573.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 58.973+/-0.007 χ^2/NDF : 1402092.1/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -535.573 $\pm$ 125.008 χ^2 /NDF:56.2/21

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

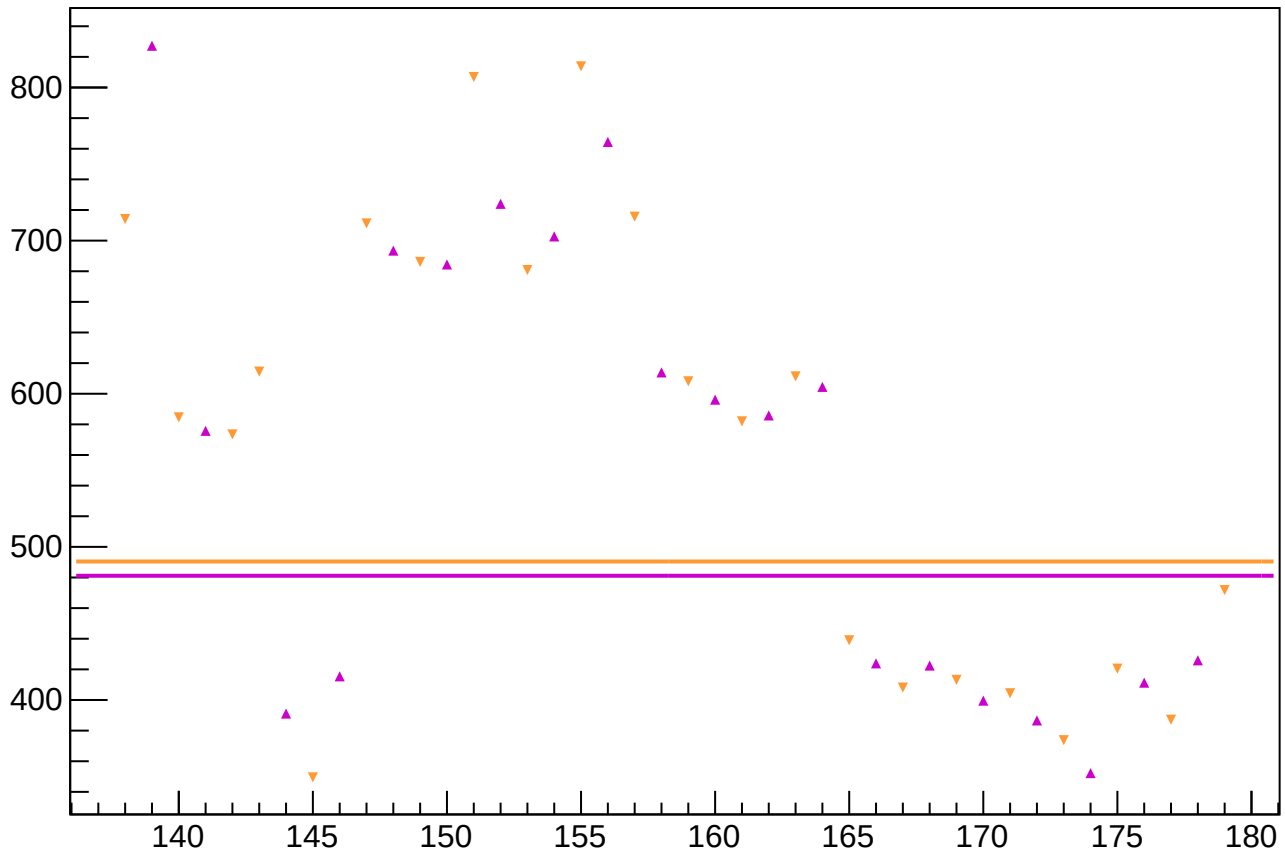
Left In: -87.710 $\pm$ 126.730 χ^2 /NDF:28.7/19

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

All: -314.704 $\pm$ 88.997 χ^2 /NDF: 91.2/41

- sign 0.000 $\pm$ 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

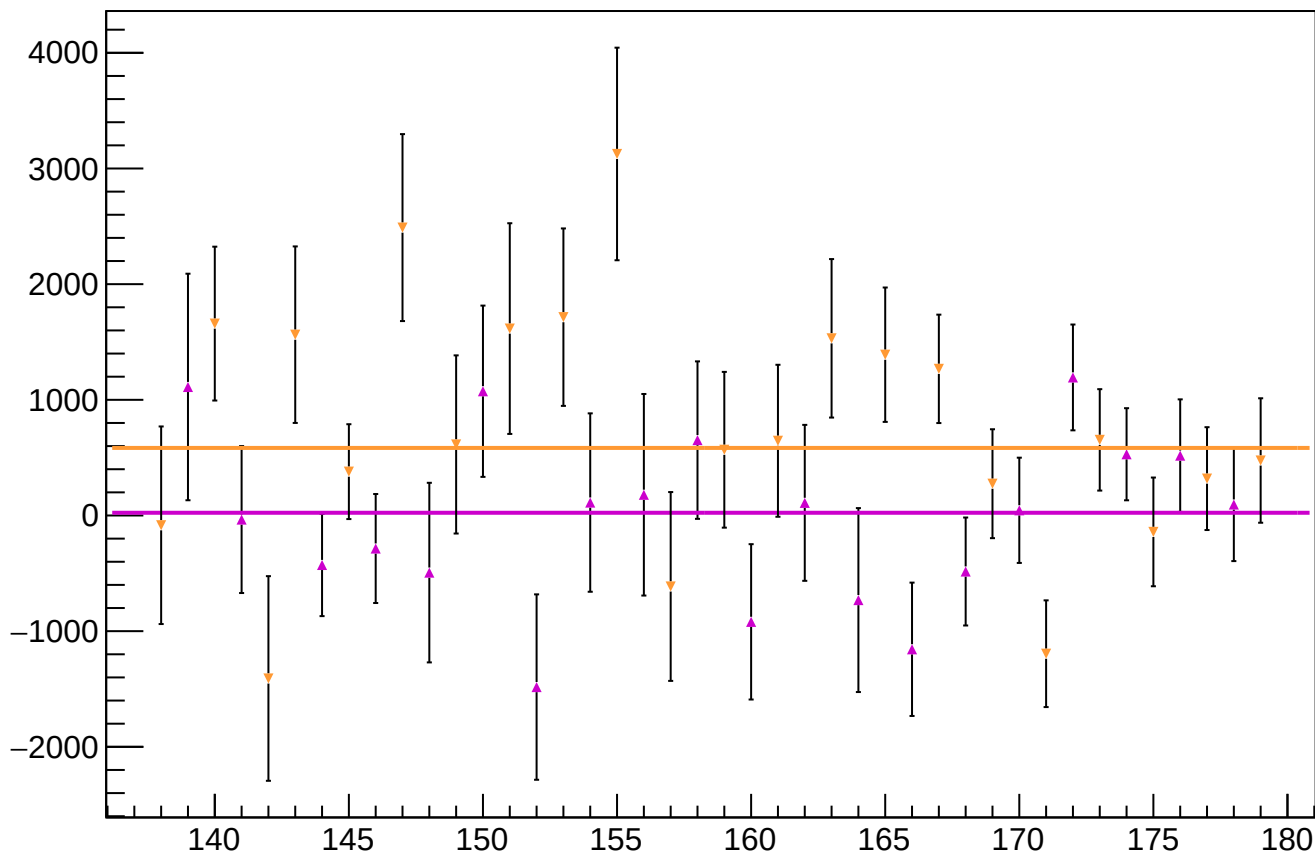
Left In: 481.138+/-0.090 χ^2/NDF :2010998.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 485.855+/-0.063 χ^2/NDF : 4231825.4/41

- 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

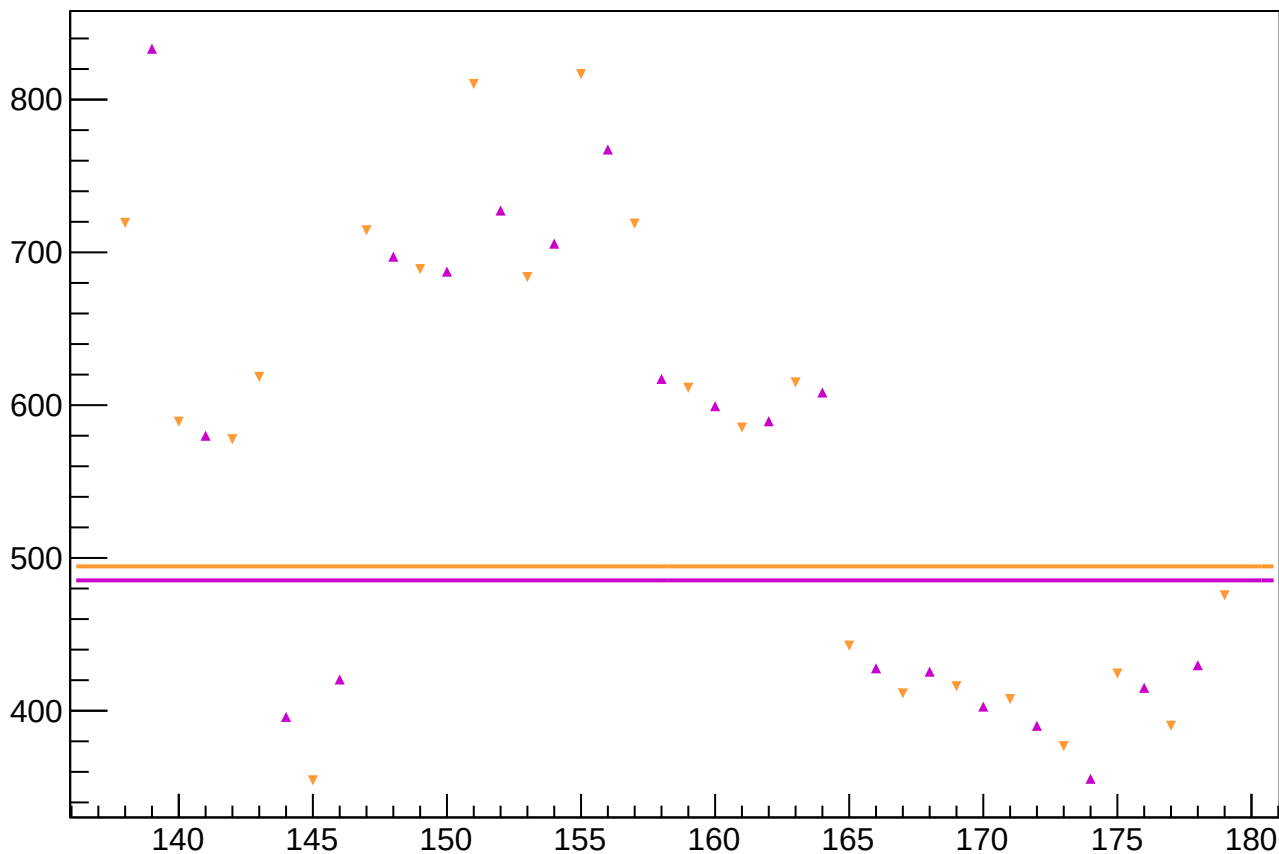
Left In: 23.584+/-127.766 χ^2/NDF : 27.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 307.829+/-89.706 χ^2/NDF : 89.9/41

- 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

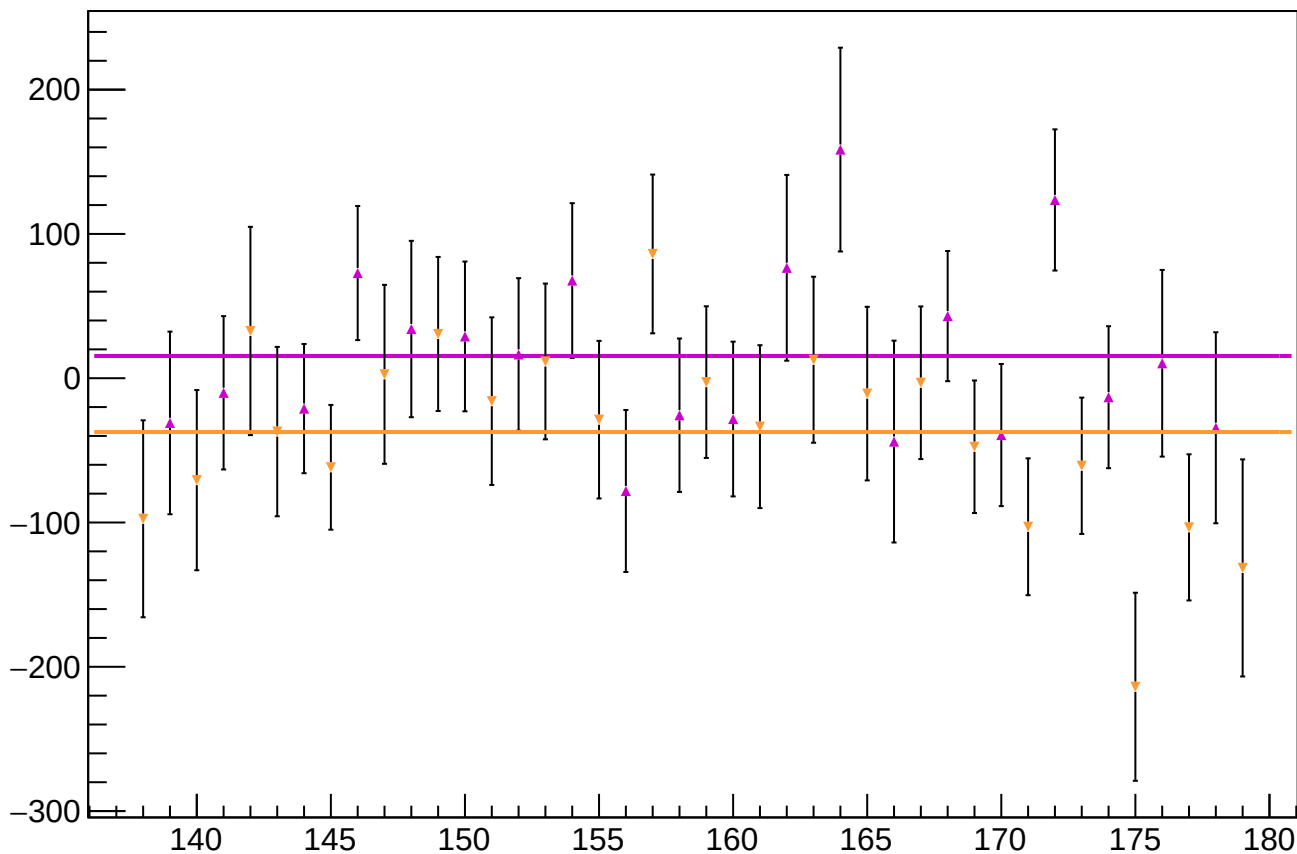
Left In: 485.315+/-0.090 χ^2/NDF :1983414.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 489.973+/-0.063 χ^2/NDF : 4173423.6/41

- 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

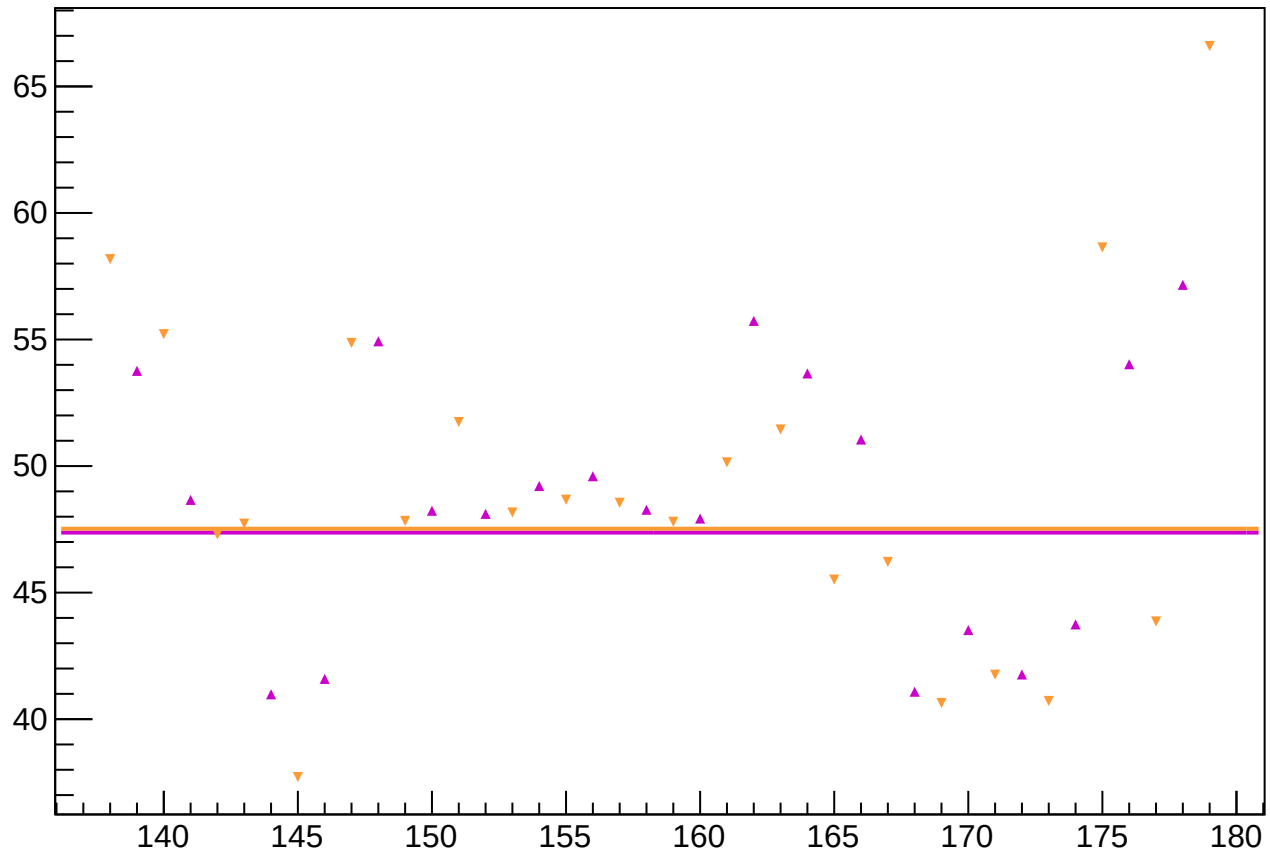
Left In: 15.426 $\pm$ 12.148 χ^2 /NDF:21.2/19

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

All: -11.708 $\pm$ 8.463 χ^2 /NDF: 55.9/41

- 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

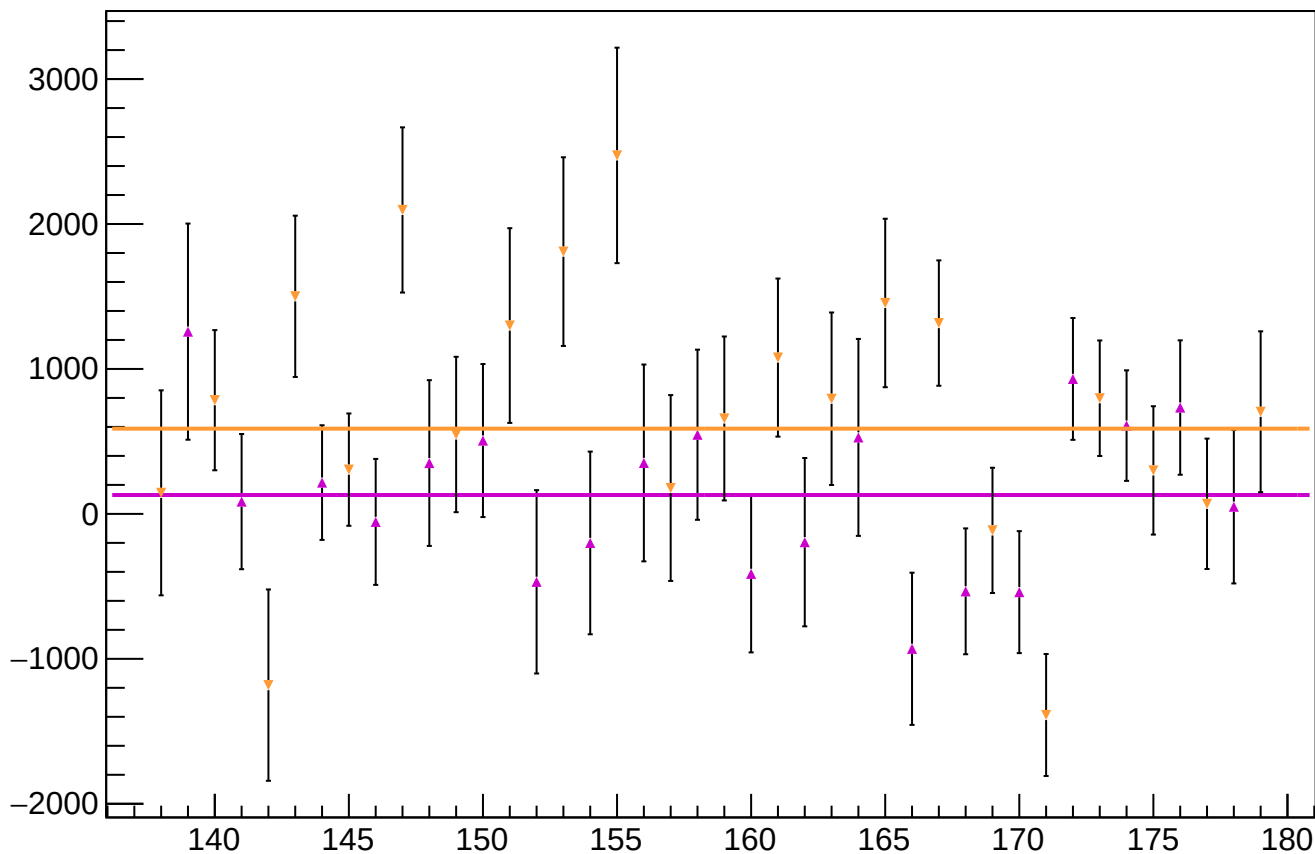
Left In: 47.372+/-0.009 χ^2/NDF : 339249.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.450+/-0.006 χ^2/NDF : 892218.8/41

- 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

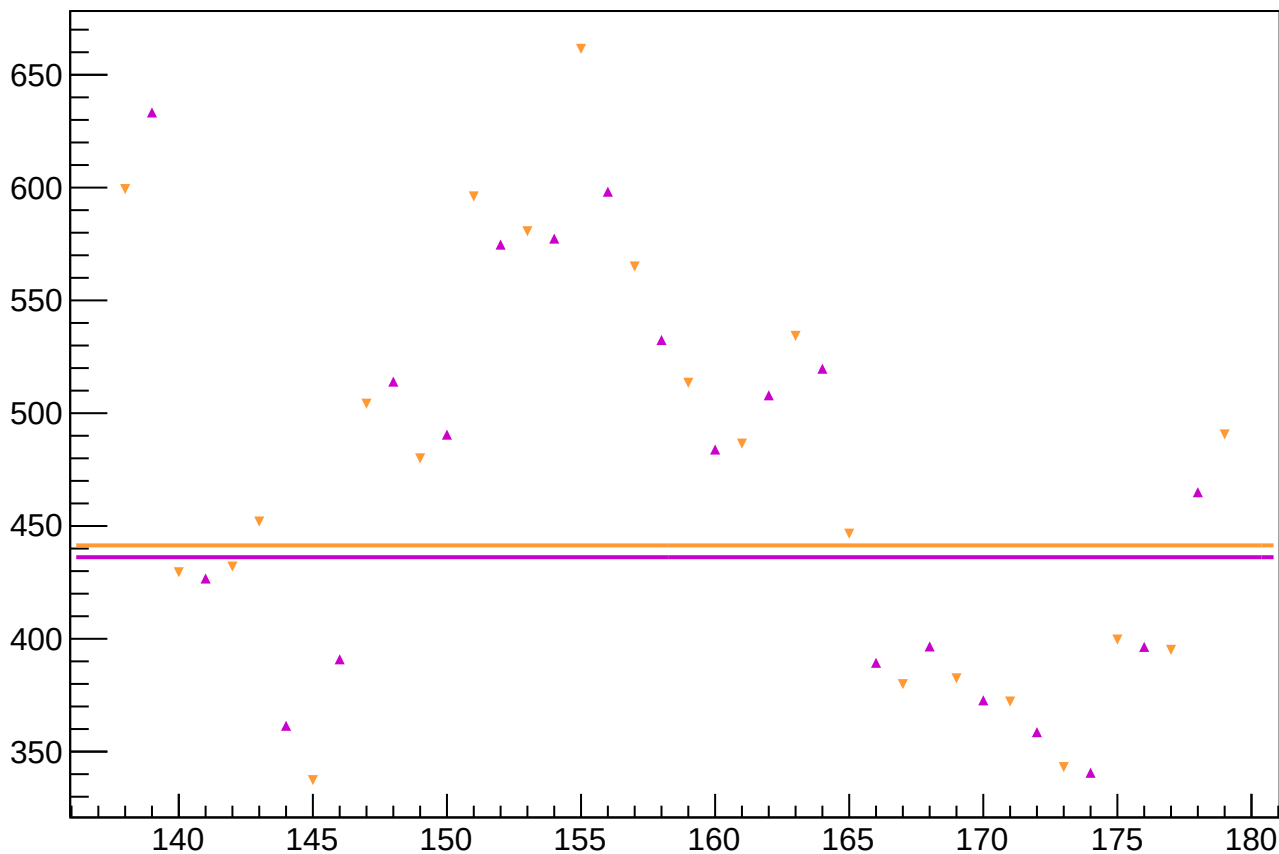
Left In: 130.217+/-112.724 χ^2/NDF : 22.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 363.945+/-78.872 χ^2/NDF : 93.2/41

- 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

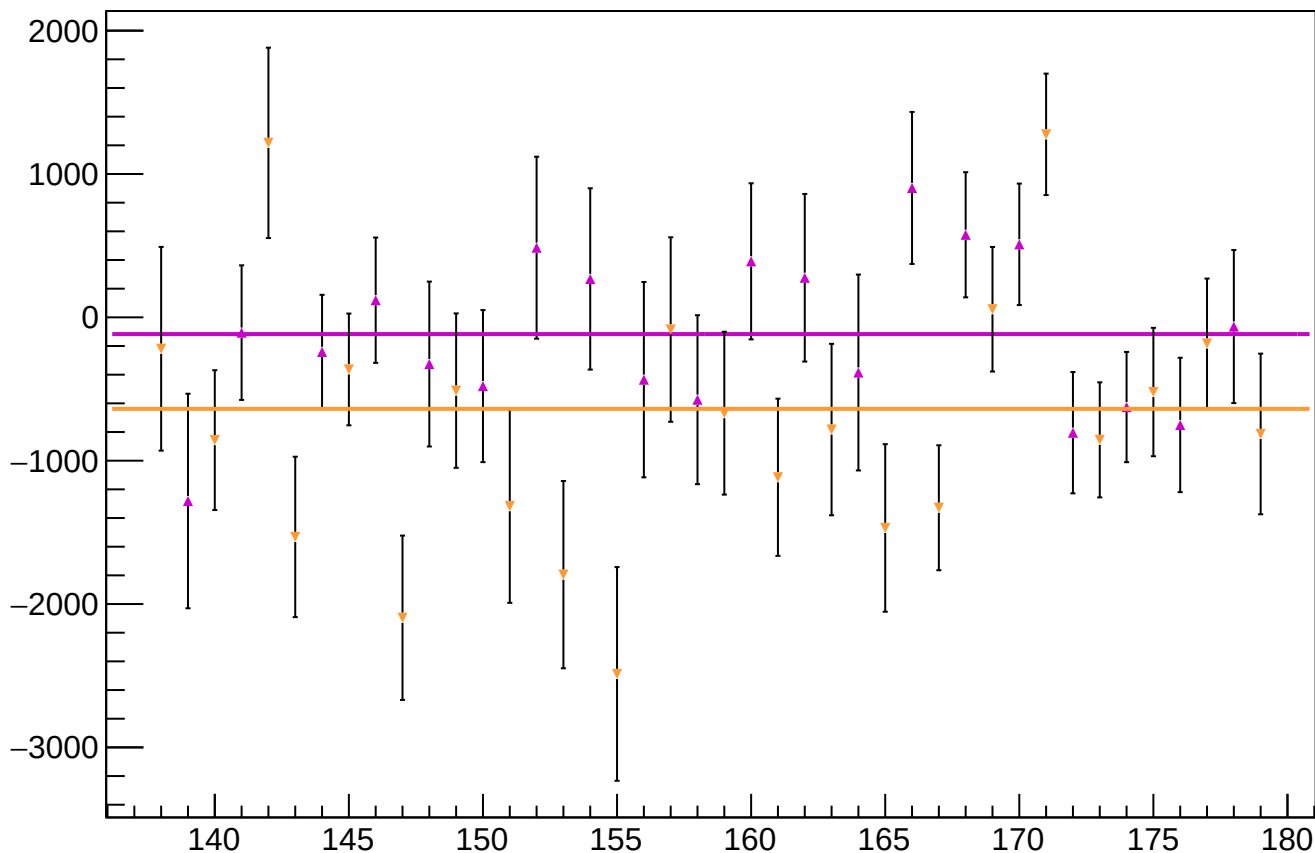
Left In: 436.167+/-0.080 χ^2/NDF :1024622.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 438.844+/-0.056 χ^2/NDF : 2158327.8/41

- 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

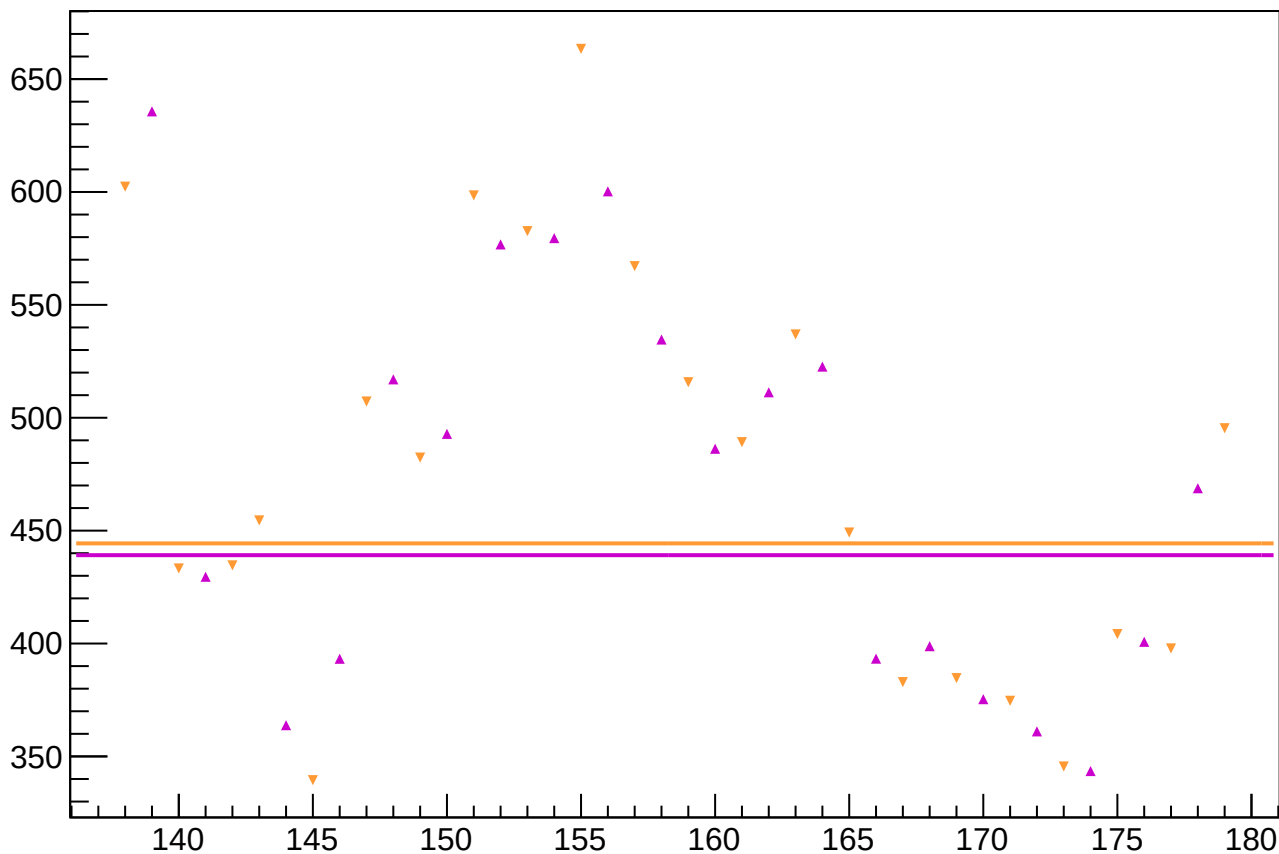
Left In: -116.715 $\pm$ 113.463 χ^2 /NDF:21.6/19

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

All: -383.039 $\pm$ 79.385 χ^2 /NDF: 91.2/41

- 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

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

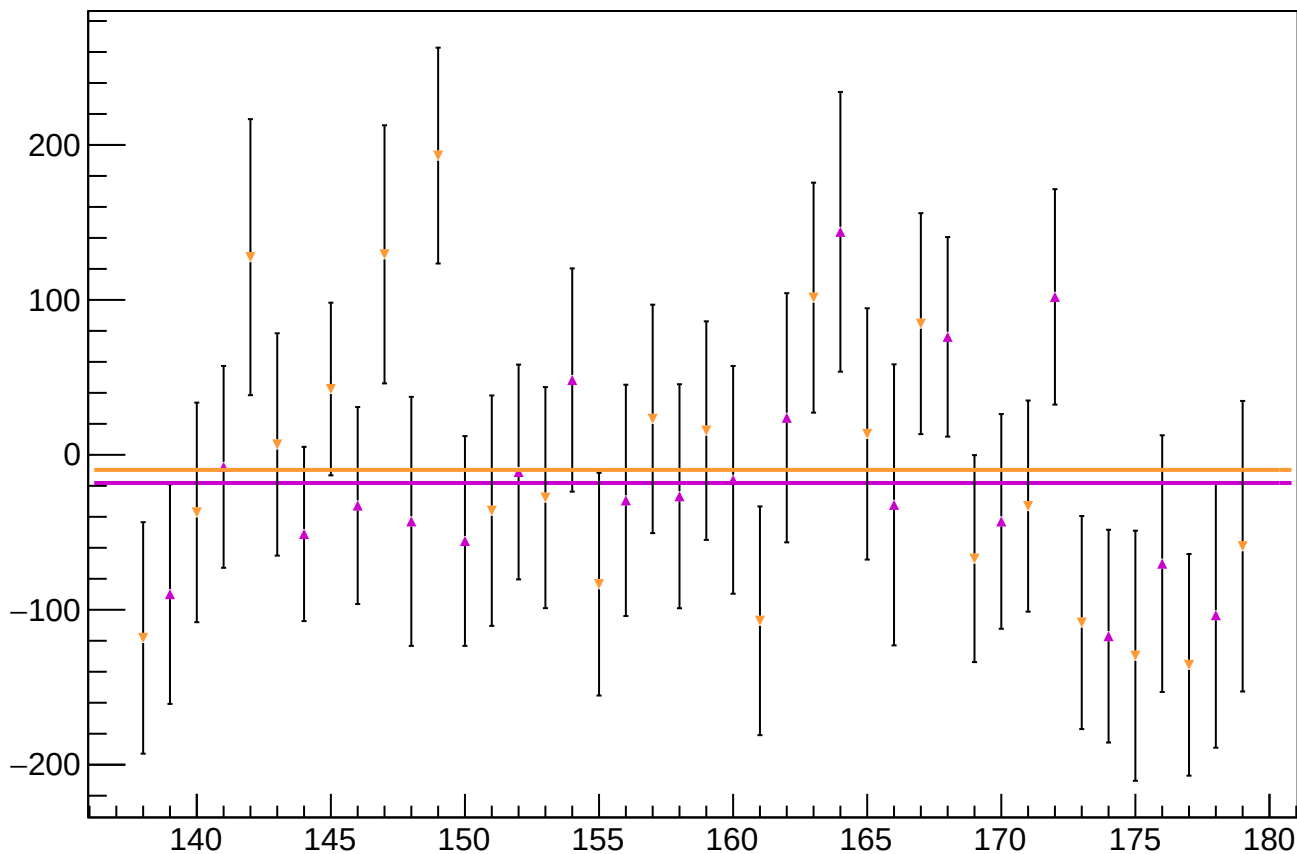
Left In: 439.133+/-0.080 χ^2/NDF :1010518.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 441.799+/-0.056 χ^2/NDF : 2131632.0/41

- 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

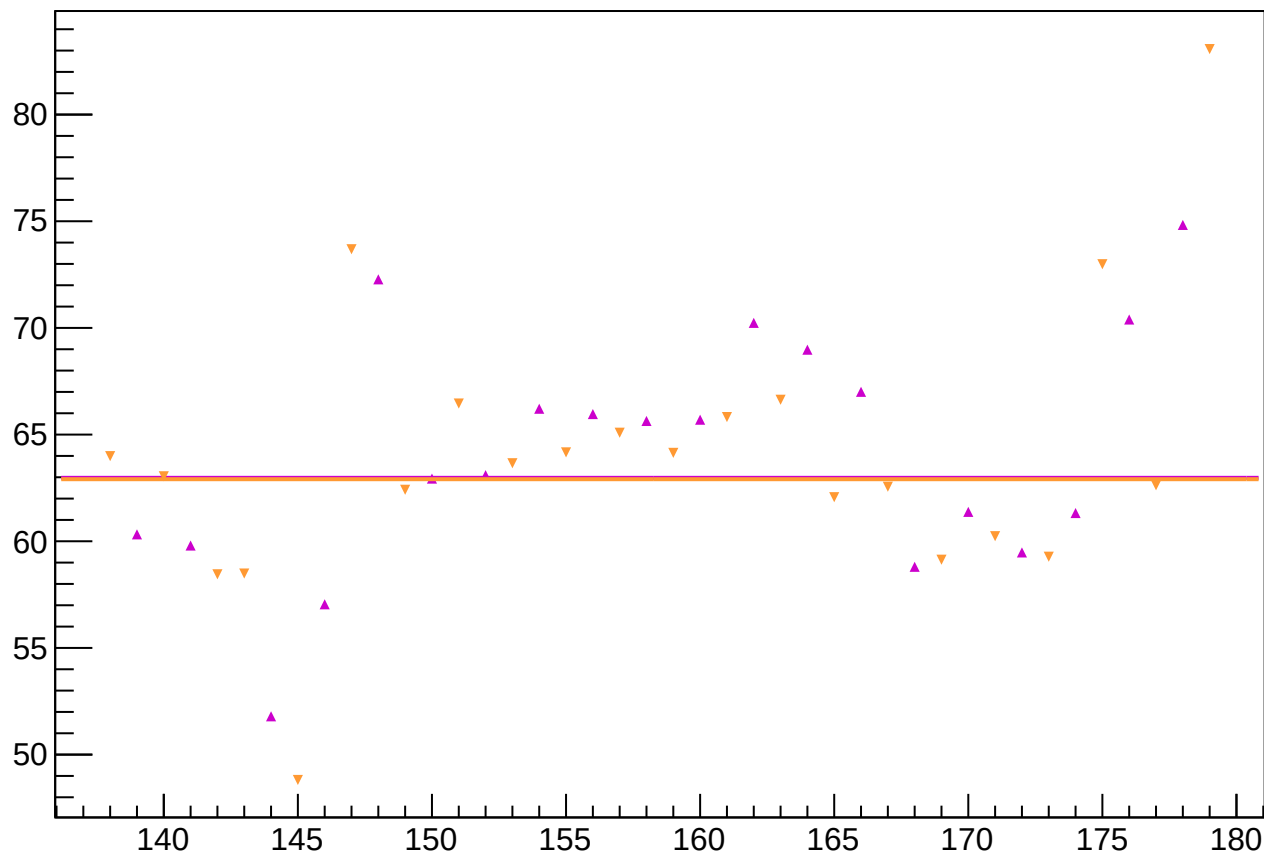
Left In: -18.154 $\pm$ 16.059 χ^2 /NDF:15.0/19

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

All: -13.797 $\pm$ 11.158 χ^2 /NDF: 47.8/41

- 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

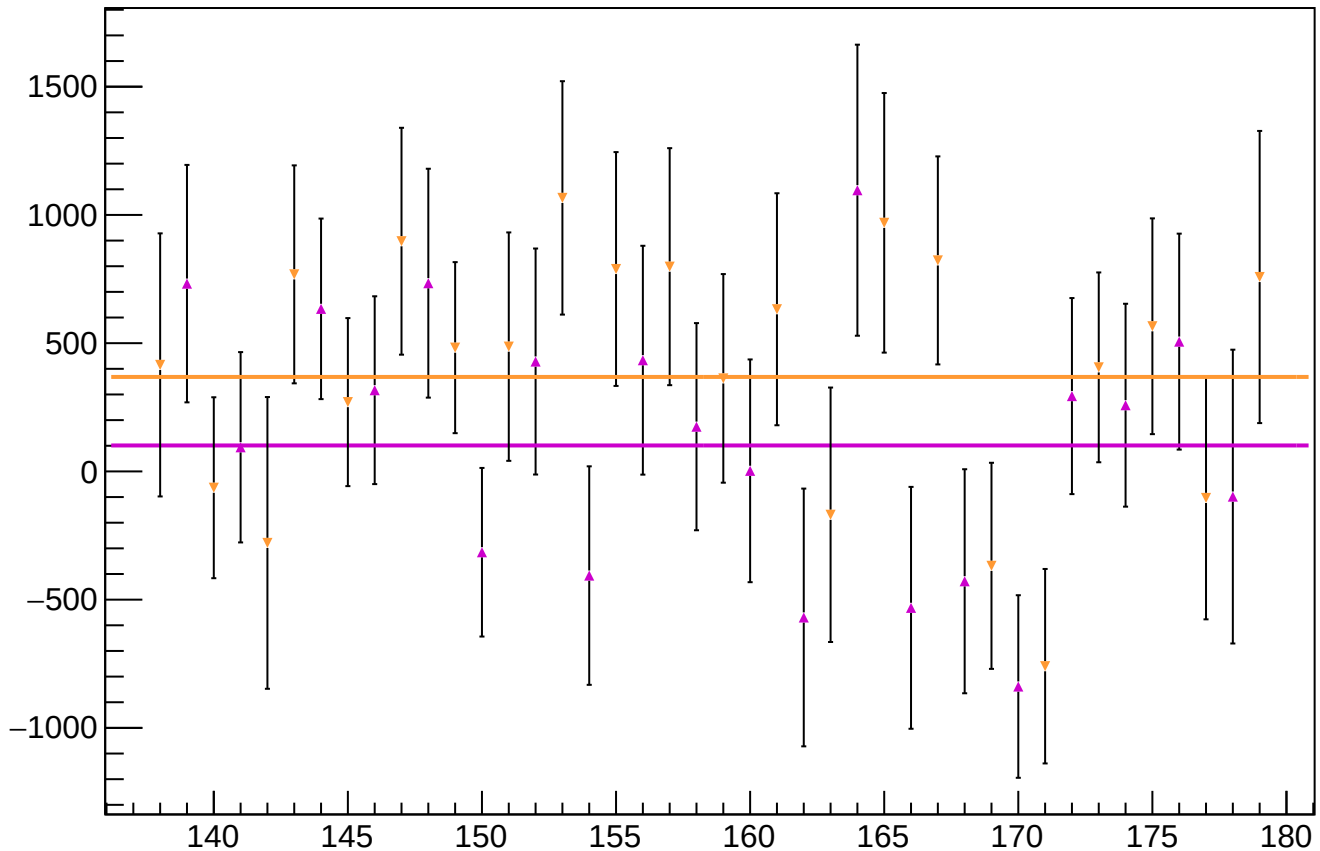
Left In: 62.973+/-0.011 χ^2/NDF : 242746.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.940+/-0.008 χ^2/NDF : 572256.6/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 368.362 $\pm$ 90.575 χ^2 /NDF: 27.6/21

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

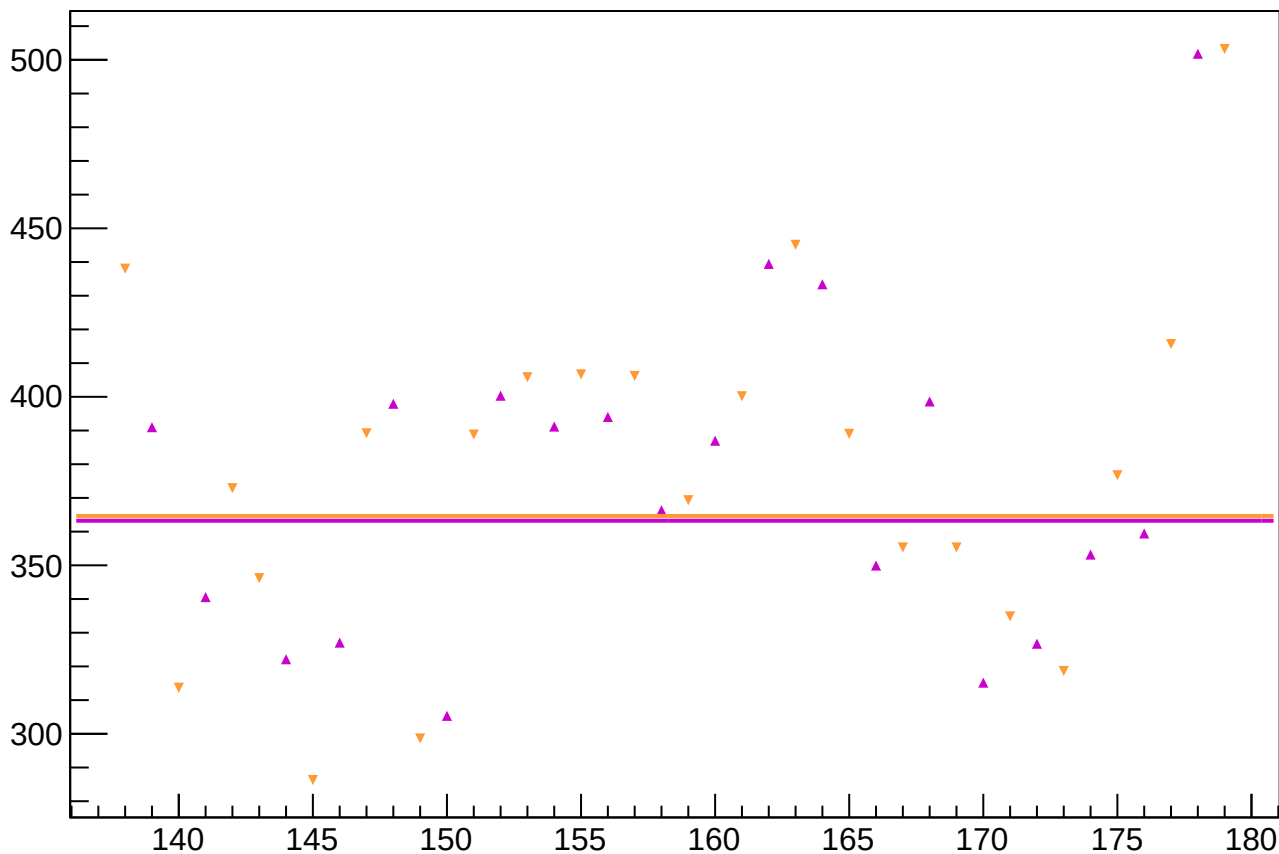
Left In: 101.193 $\pm$ 93.055 χ^2 /NDF: 27.3/19

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

All: 238.386 $\pm$ 64.905 χ^2 /NDF: 59.1/41

- sign 0.000 $\pm$ 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

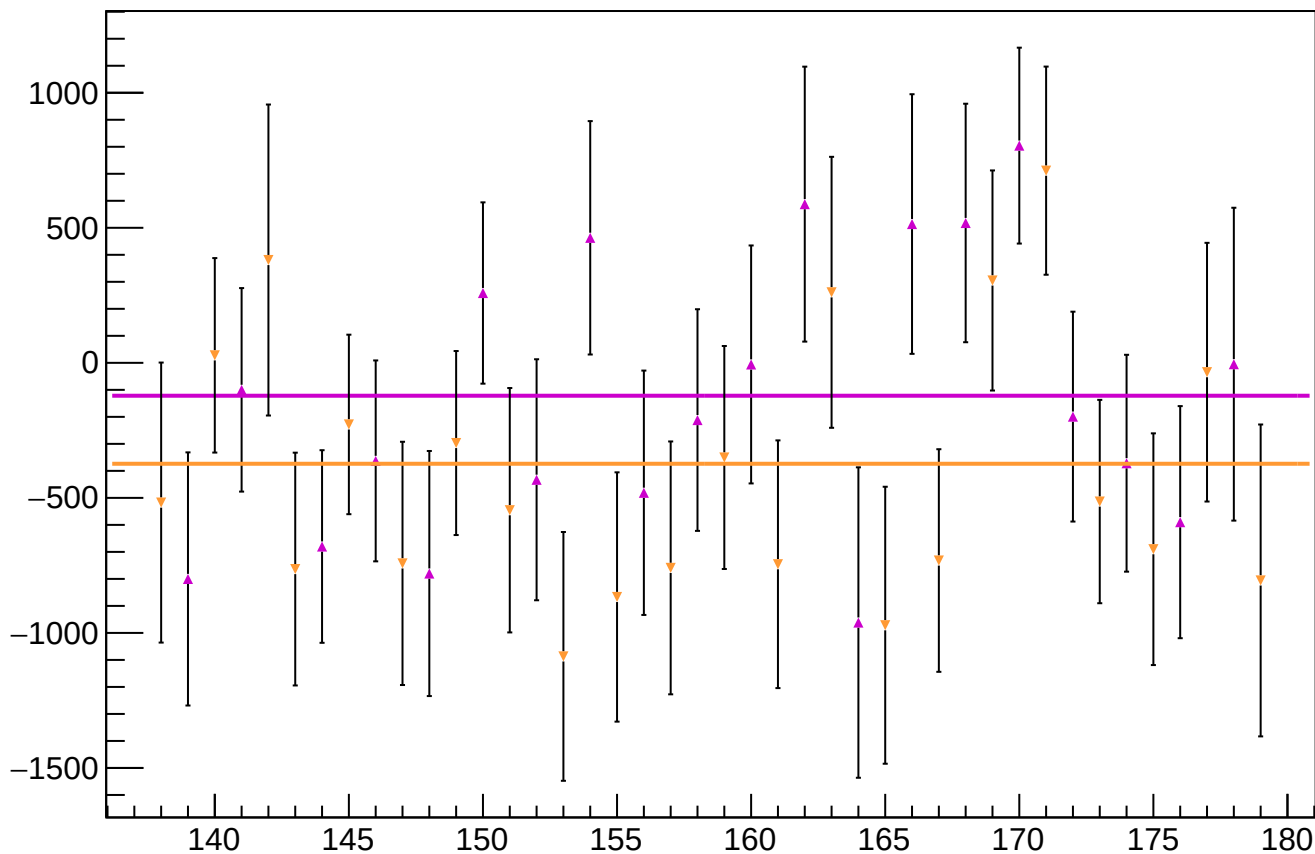
Left In: 363.236+/-0.066 χ^2/NDF : 438526.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 363.963+/-0.046 χ^2/NDF : 1038590.9/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -373.677+/-91.985 χ^2/NDF : 26.0/21

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

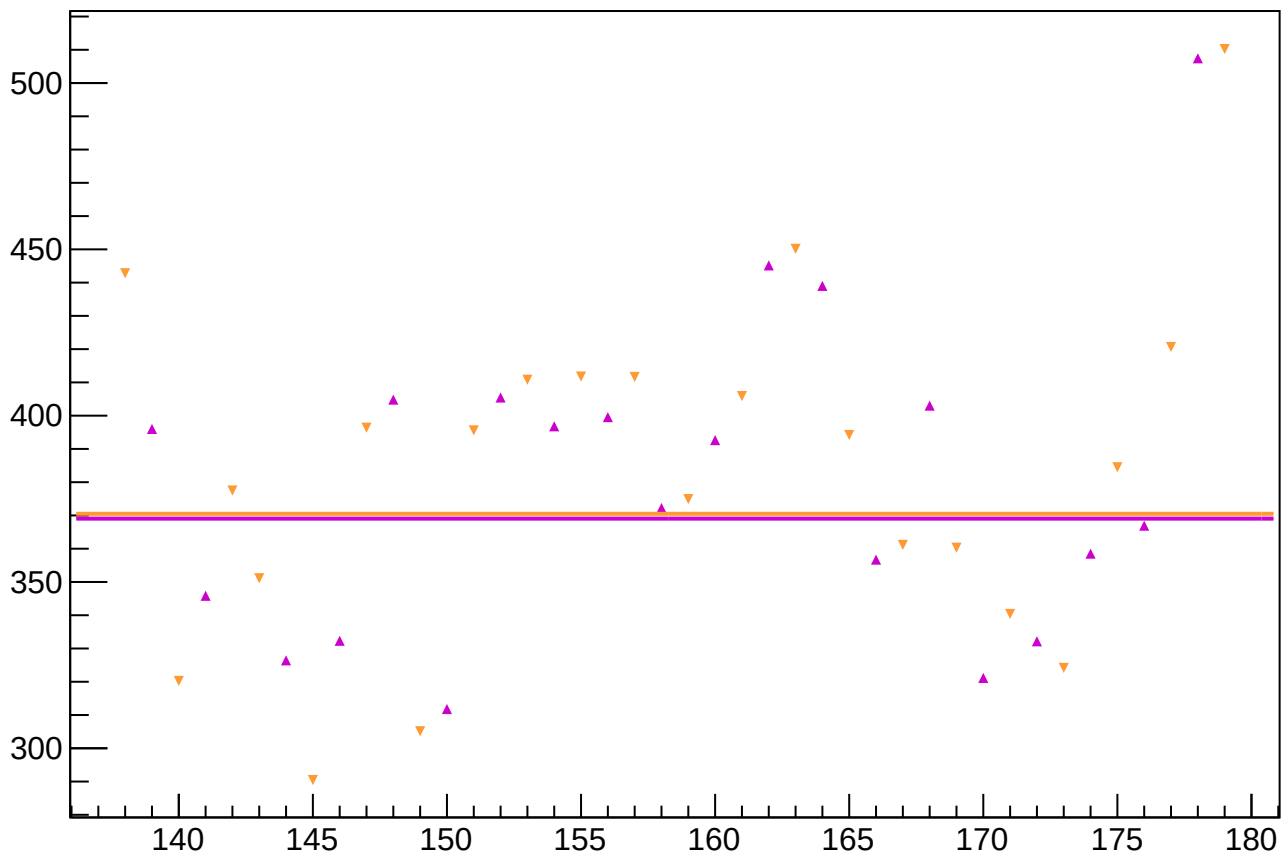
Left In: -121.769+/-94.511 χ^2/NDF : 27.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -251.134+/-65.918 χ^2/NDF : 57.1/41

- sign 0.000+/-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

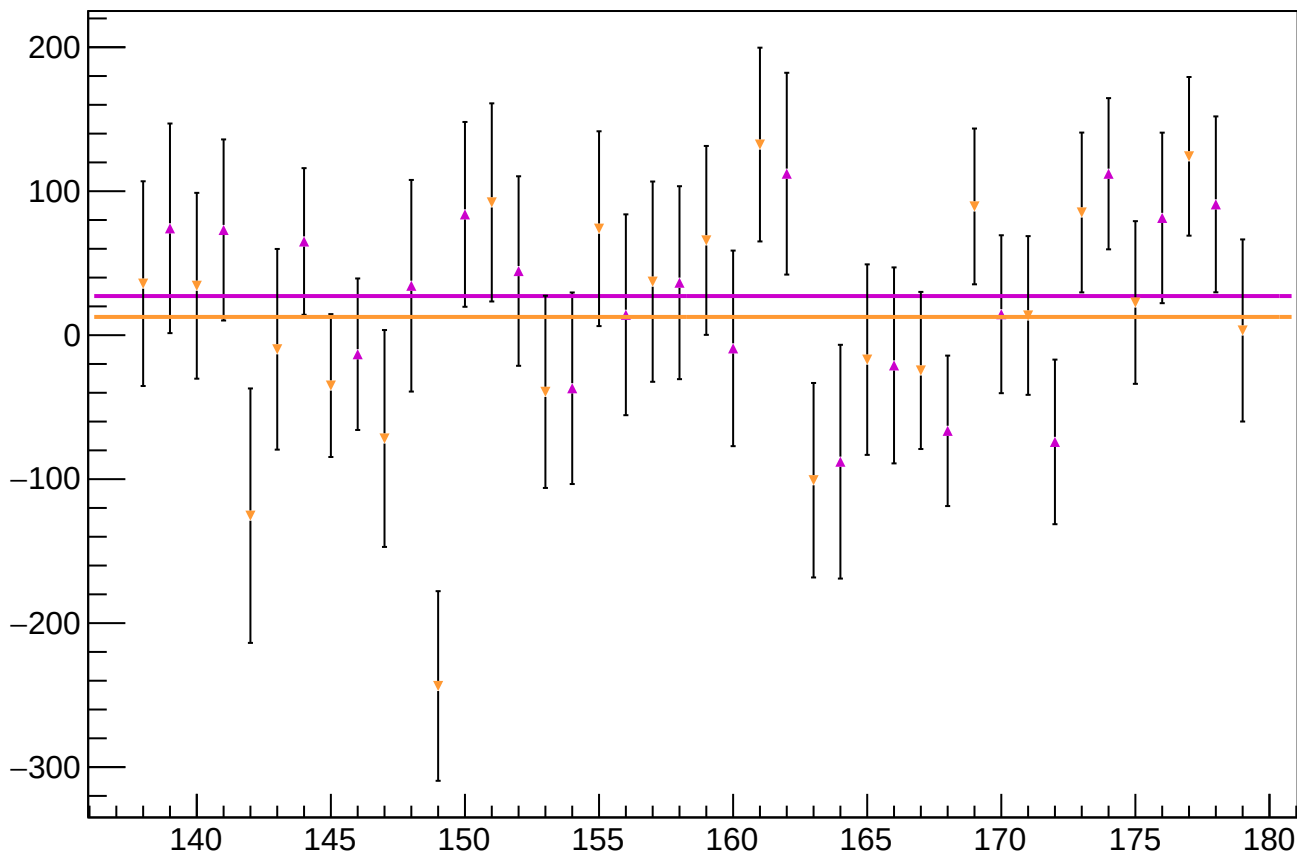
Left In: 369.044+/-0.067 χ^2/NDF : 425472.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 369.792+/-0.047 χ^2/NDF : 1009904.2/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: 12.678 $\pm$ 13.398 χ^2 /NDF:38.2/21

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

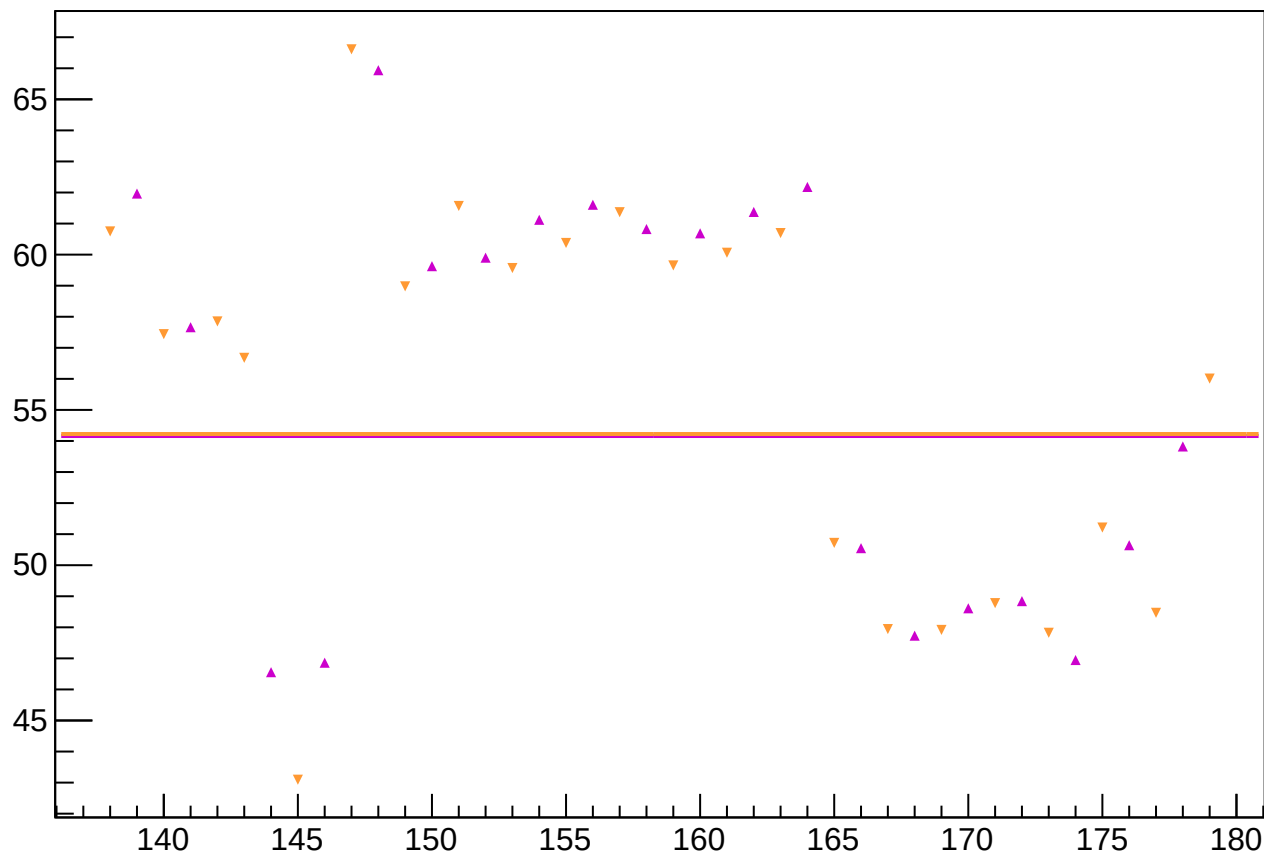
Left In: 27.174 $\pm$ 13.854 χ^2 /NDF:19.1/19

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

All: 19.684 $\pm$ 9.631 χ^2 /NDF: 57.9/41

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

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 54.224 $\pm$ 0.009 χ^2 /NDF:447629.0/21

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

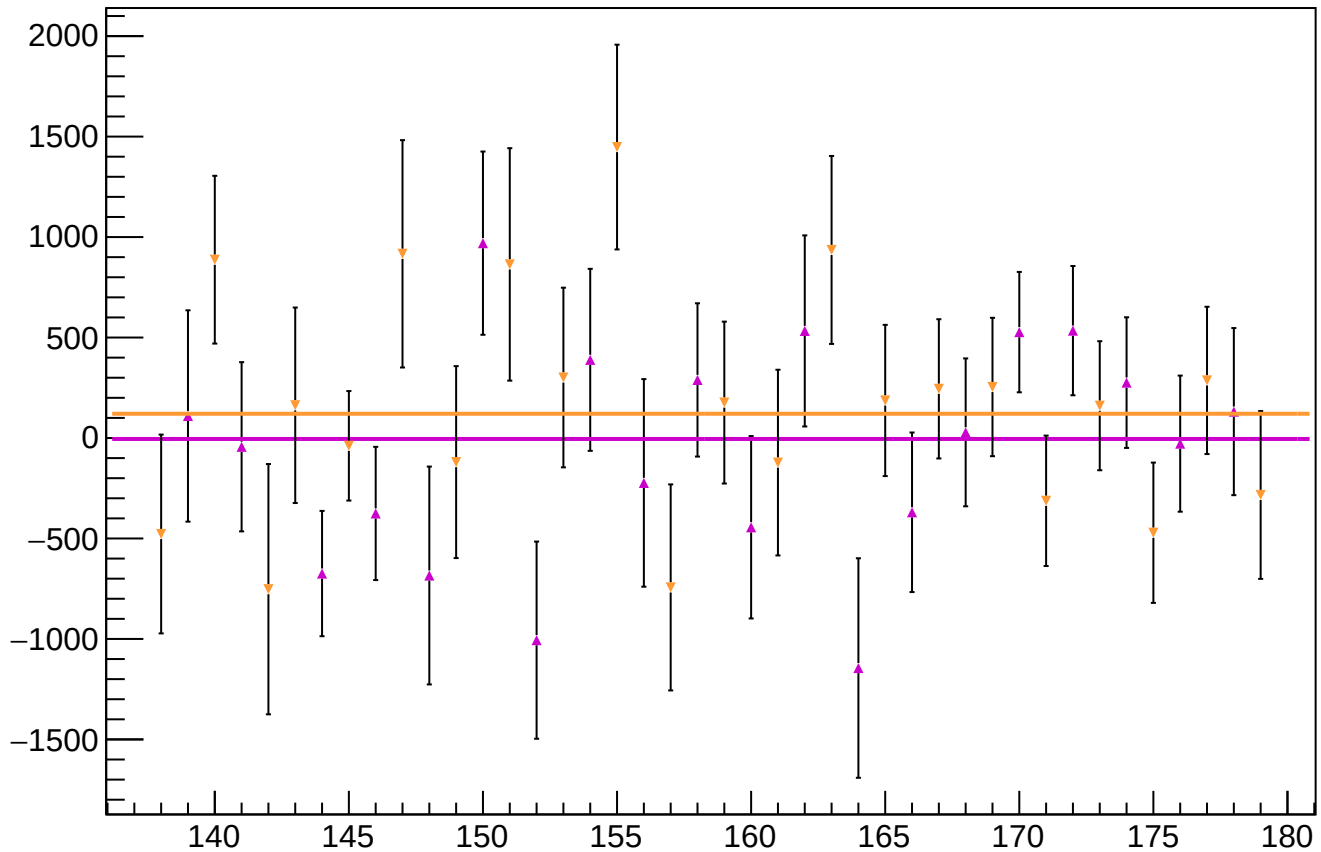
Left In: 54.160 $\pm$ 0.010 χ^2 /NDF:435552.7/19

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

All: 54.193 $\pm$ 0.007 χ^2 /NDF: 883203.9/41

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

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 120.704+/-86.687 χ^2/NDF :30.3/21

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

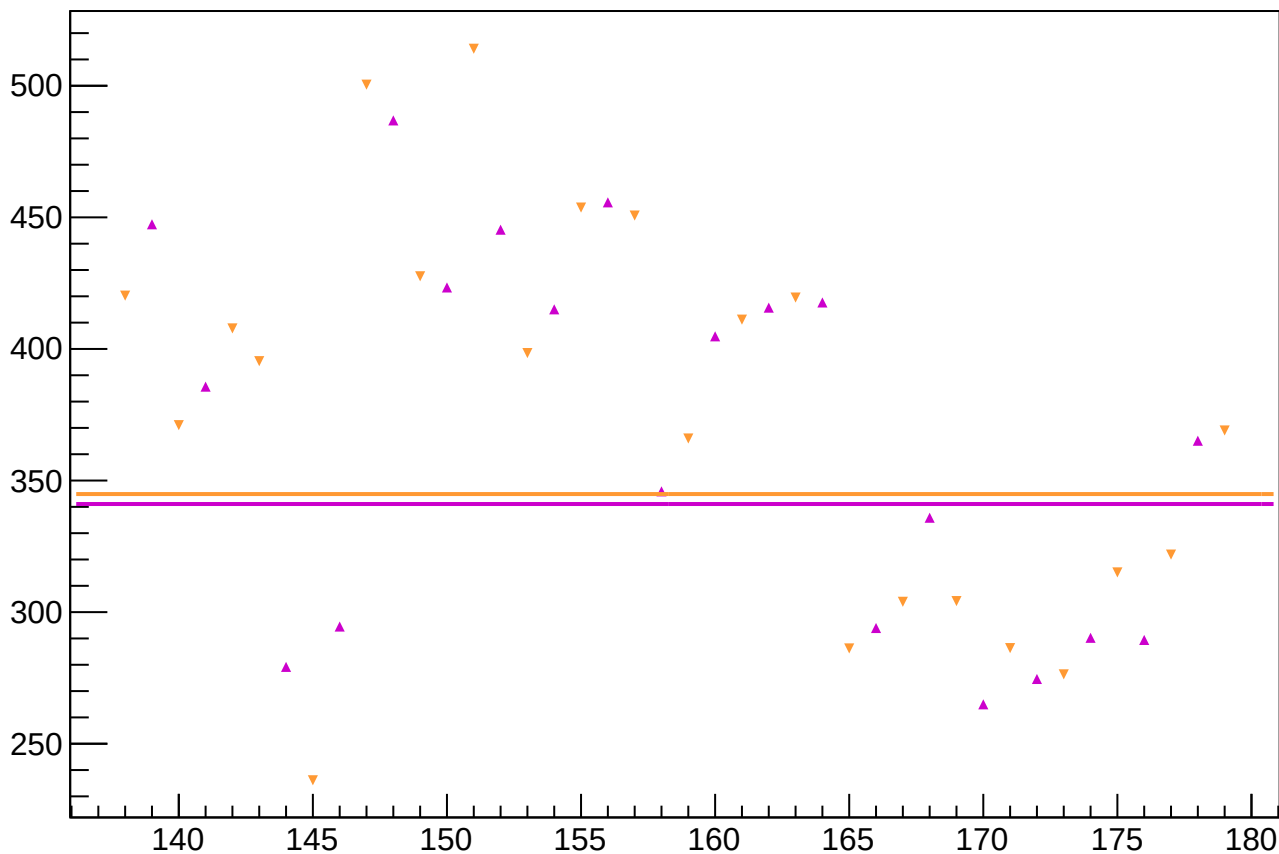
Left In: -4.773+/-88.510 χ^2/NDF :32.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 59.272+/-61.931 χ^2/NDF : 63.3/41

- sign 0.000+/-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

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

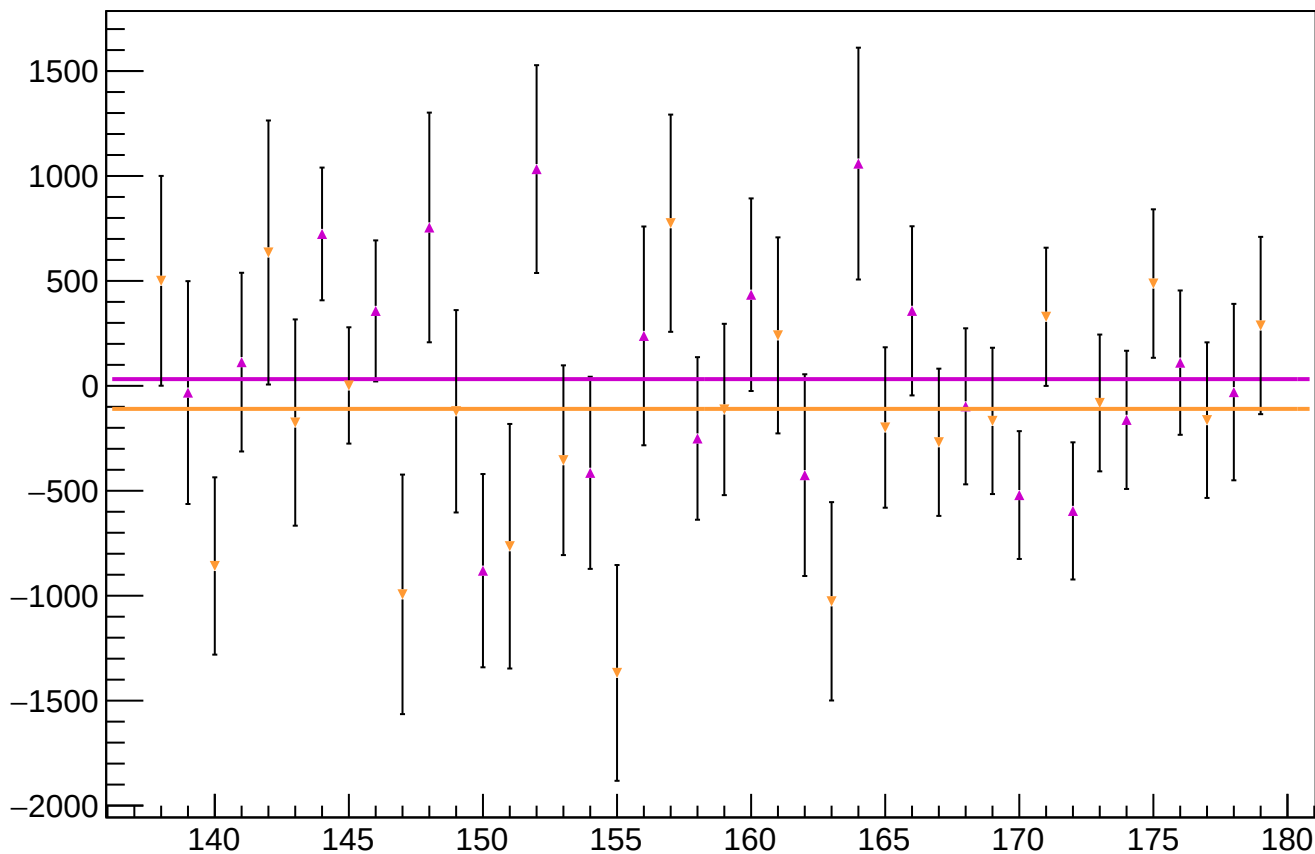
Left In: 341.079+/-0.063 χ^2/NDF :1147798.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 343.013+/-0.044 χ^2/NDF : 2539354.2/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

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

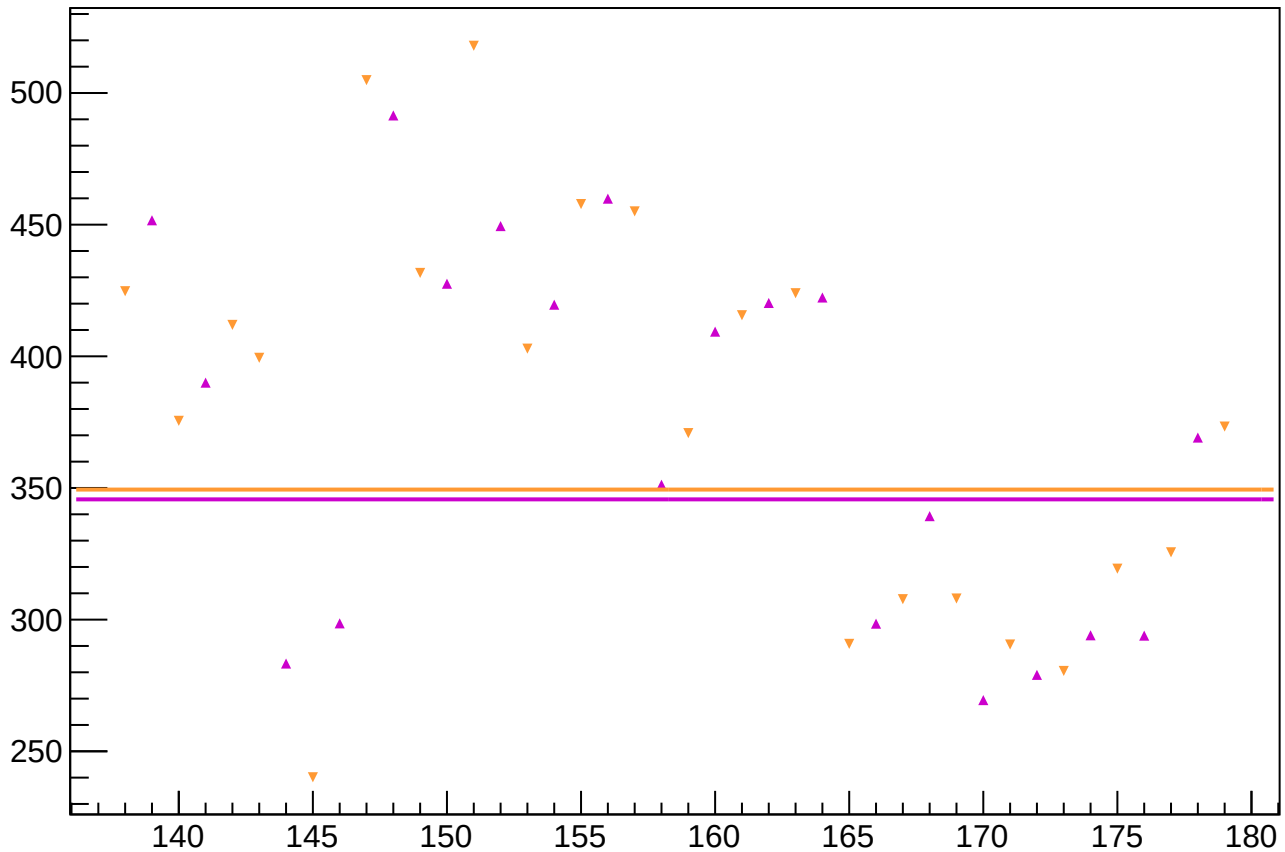
Left In: 32.033+/-89.655 χ^2/NDF : 30.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.359+/-62.720 χ^2/NDF : 61.0/41

- 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

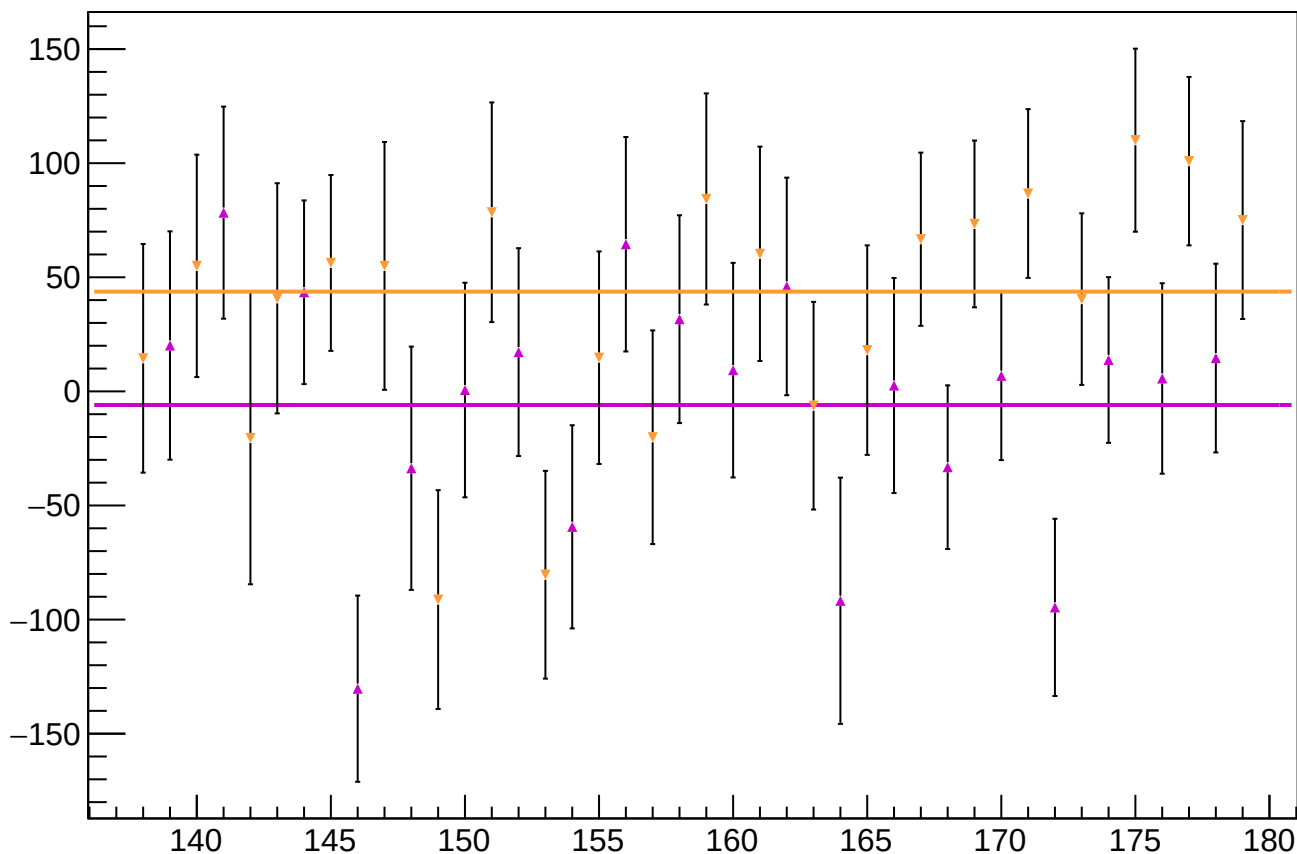
Left In: 345.674+/-0.063 χ^2/NDF :1122562.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 347.574+/-0.044 χ^2/NDF : 2484330.7/41

- 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

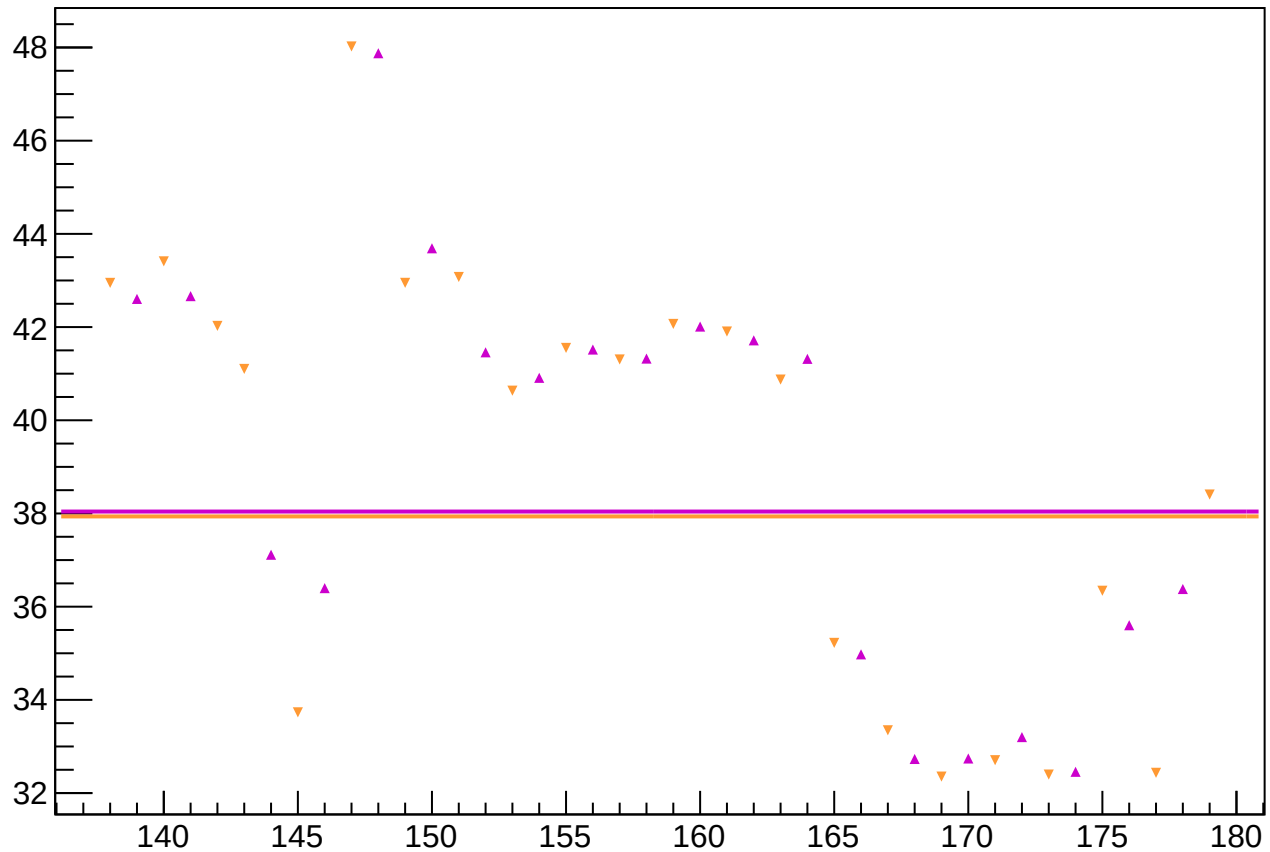
Left In: -5.973 $\pm$ 9.720 χ^2 /NDF:29.7/19

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

All: 19.776 $\pm$ 6.747 χ^2 /NDF: 73.3/41

- 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

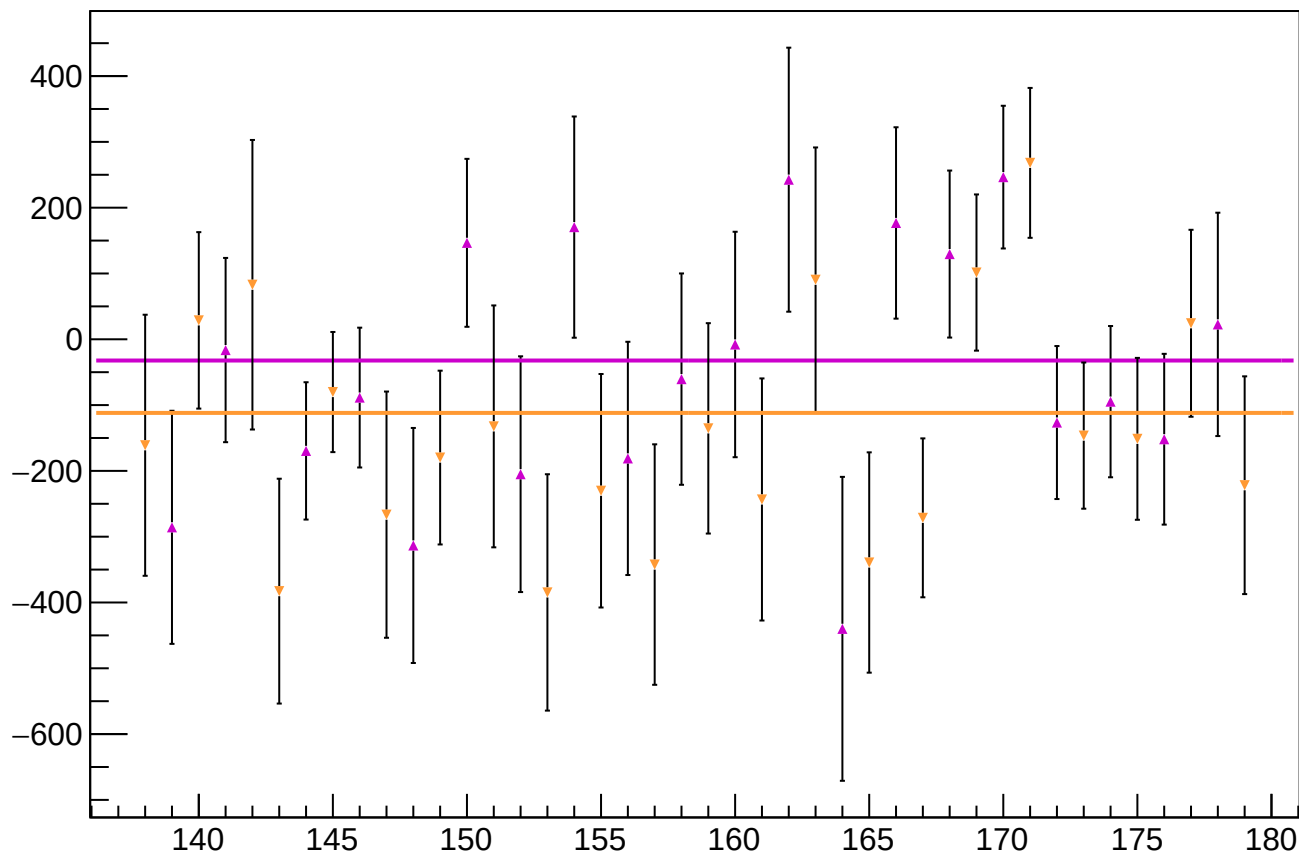
Left In: 38.041+/-0.007 χ^2/NDF : 394015.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 37.987+/-0.005 χ^2/NDF : 875053.5/41

- 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

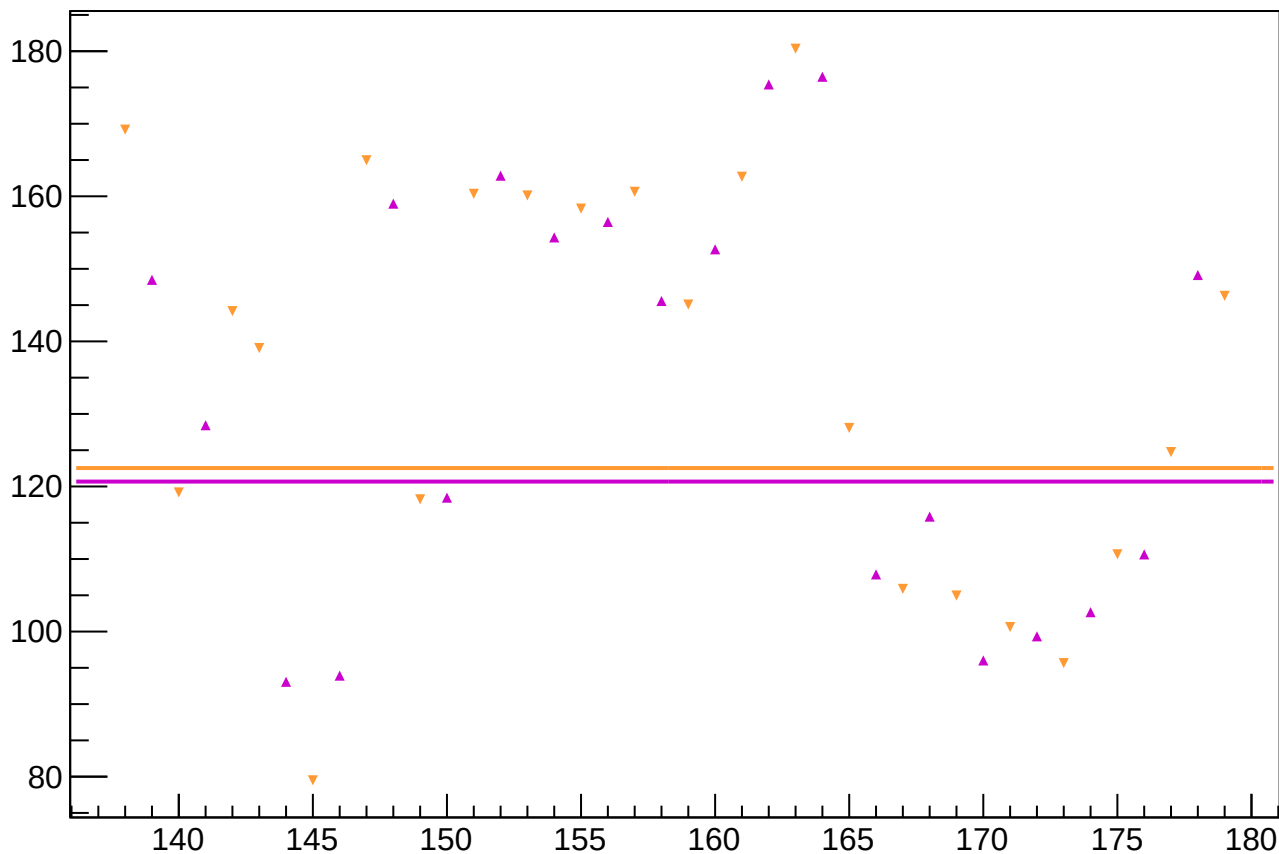
Left In: -32.269+/-31.480 χ^2/NDF : 28.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -72.735+/-22.075 χ^2/NDF : 63.0/41

- 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

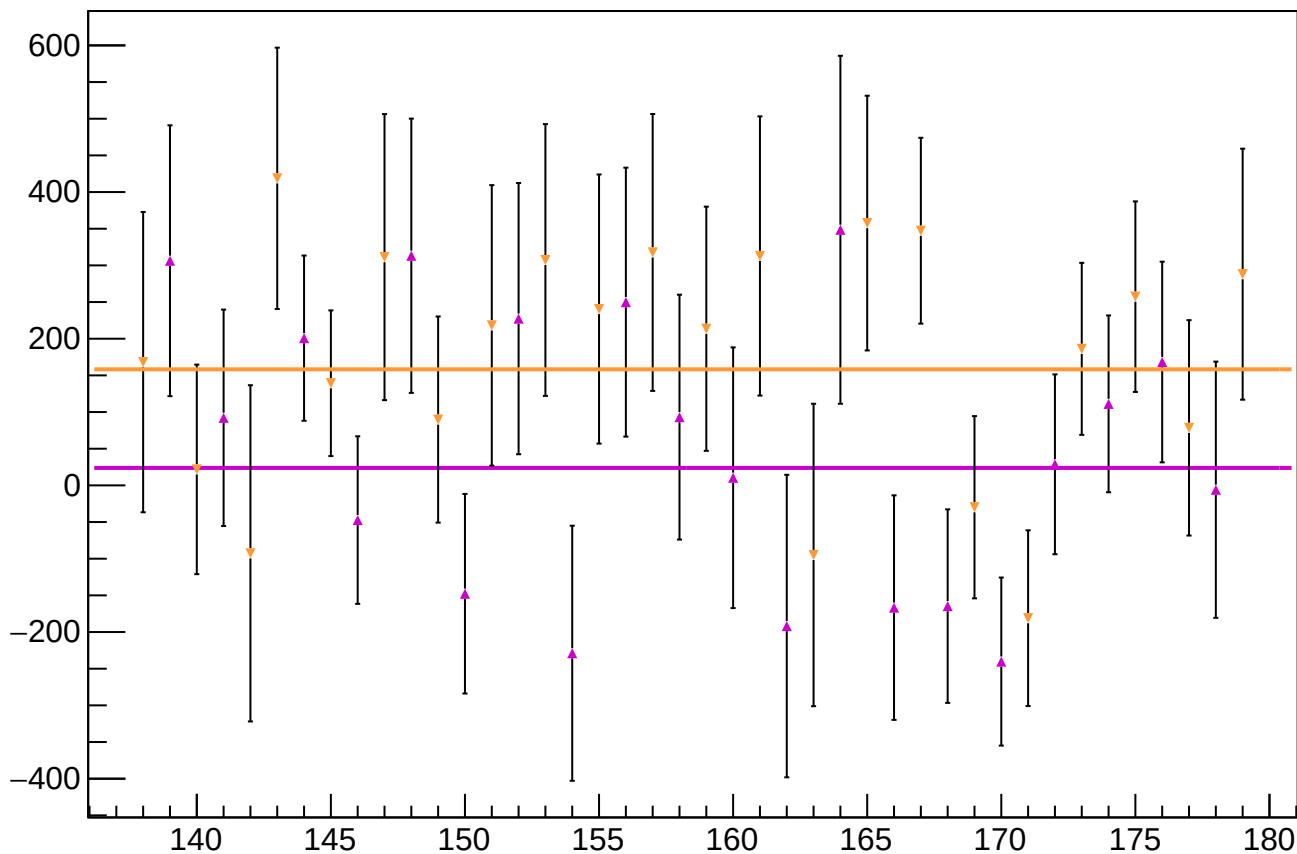
Left In: 120.675+/-0.022 χ^2/NDF : 1377395.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 121.623+/-0.016 χ^2/NDF : 3056743.5/41

- 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

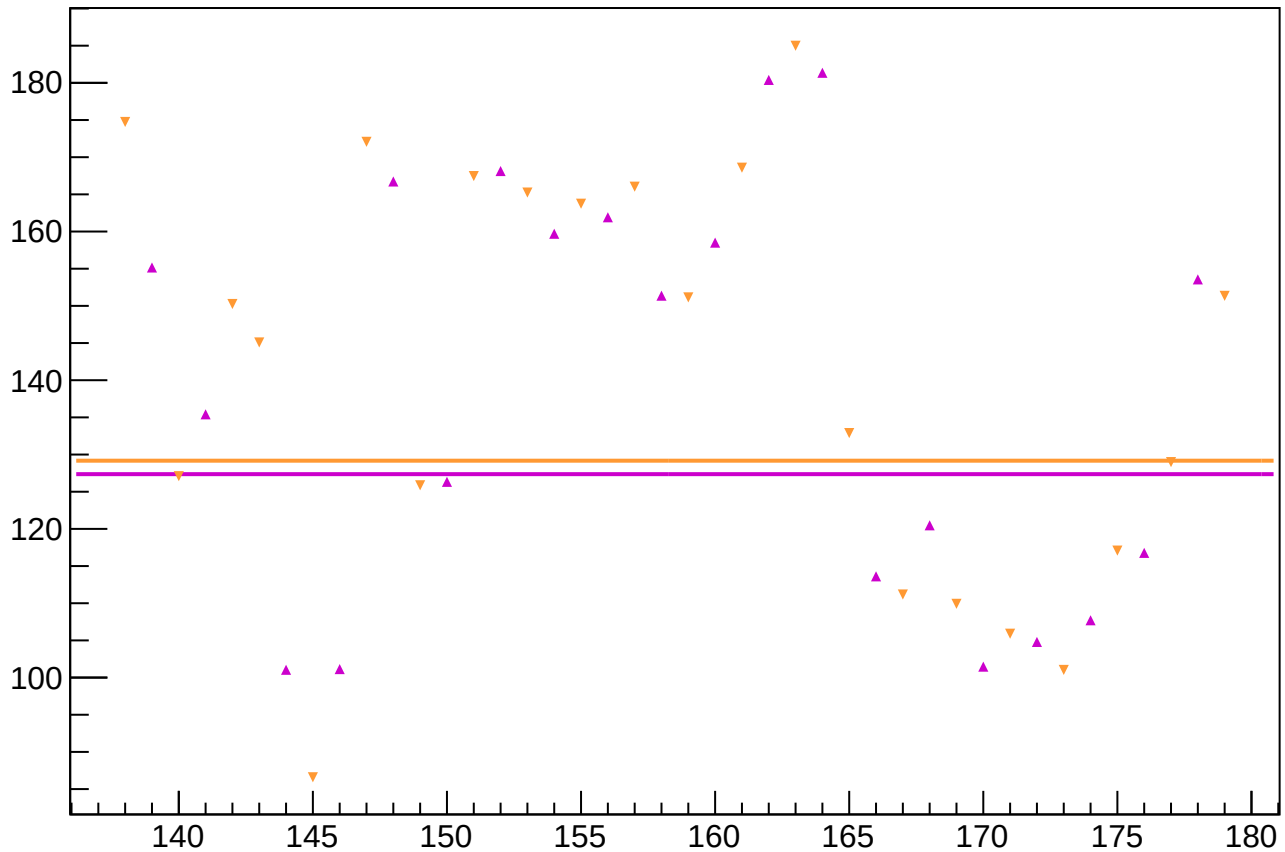
Left In: 23.812 $\pm$ 33.118 χ^2 /NDF:27.9/19

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

All: 92.254 $\pm$ 23.206 χ^2 /NDF: 60.8/41

- 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

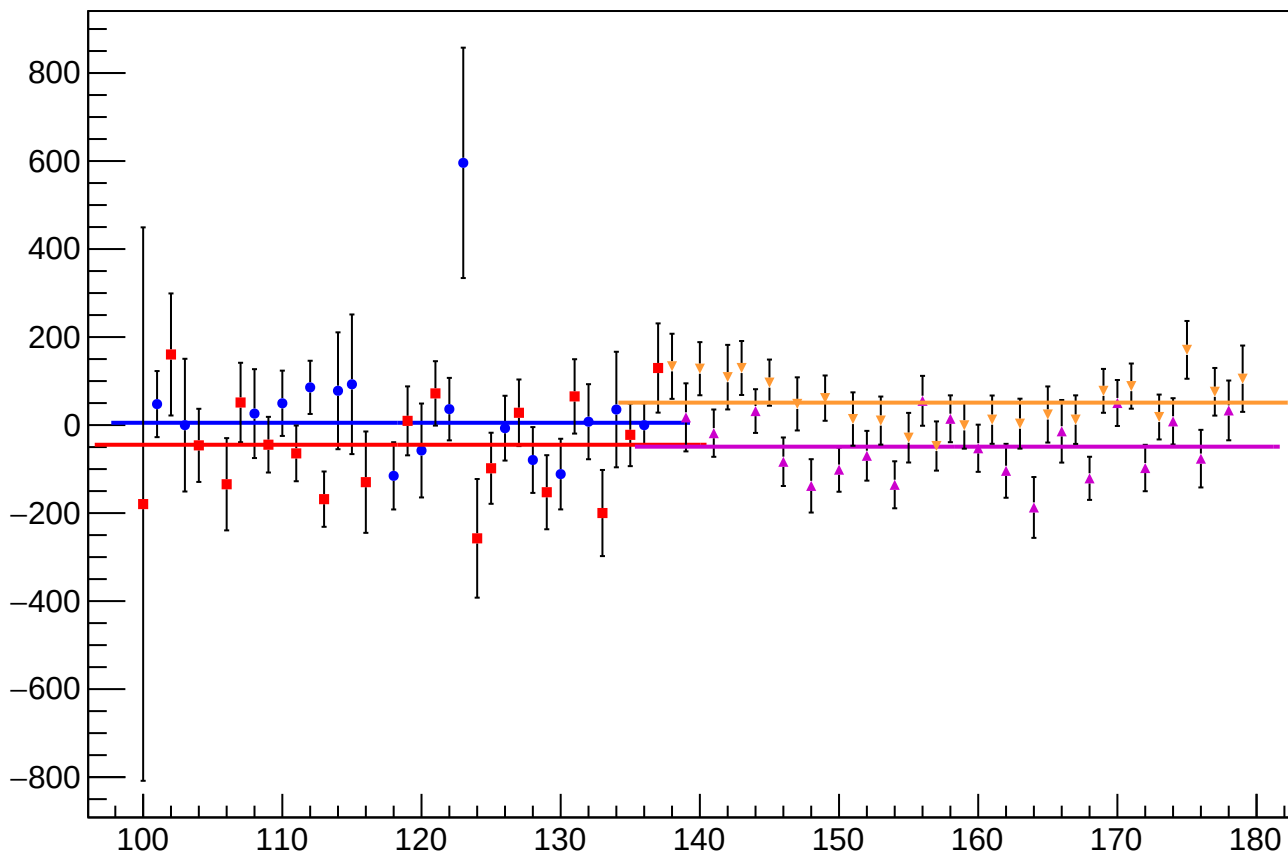
Left In: 127.363+/-0.023 χ^2/NDF :1231869.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 128.285+/-0.016 χ^2/NDF : 2733603.0/41

- 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

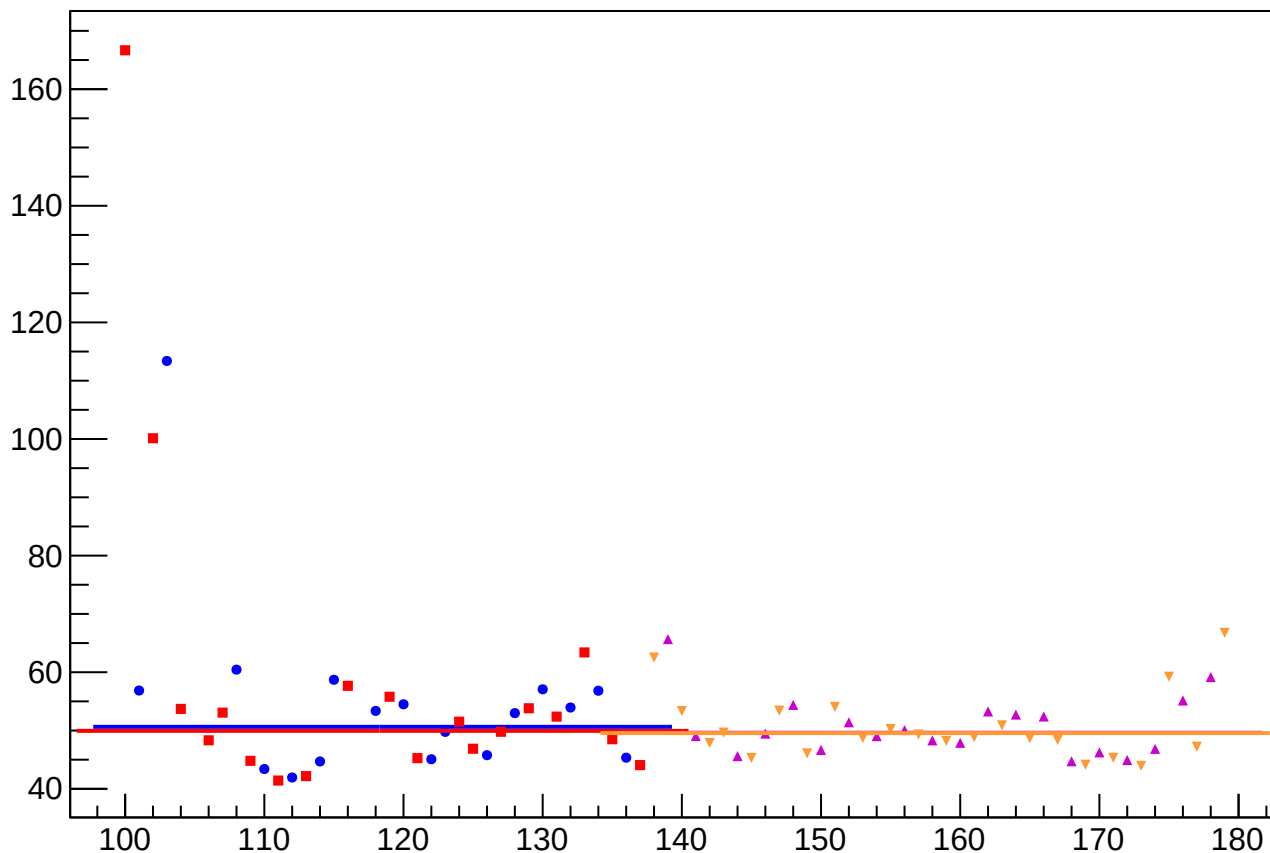
Left In: -49.101 ± 12.681 χ^2/NDF : 29.4/19

+ sign 38.643 ± 10.472 χ^2/NDF : 38.6/38

All: -3.984 ± 7.455 χ^2/NDF : 126.0/77

- sign -47.789 ± 10.616 χ^2/NDF : 53.8/38

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

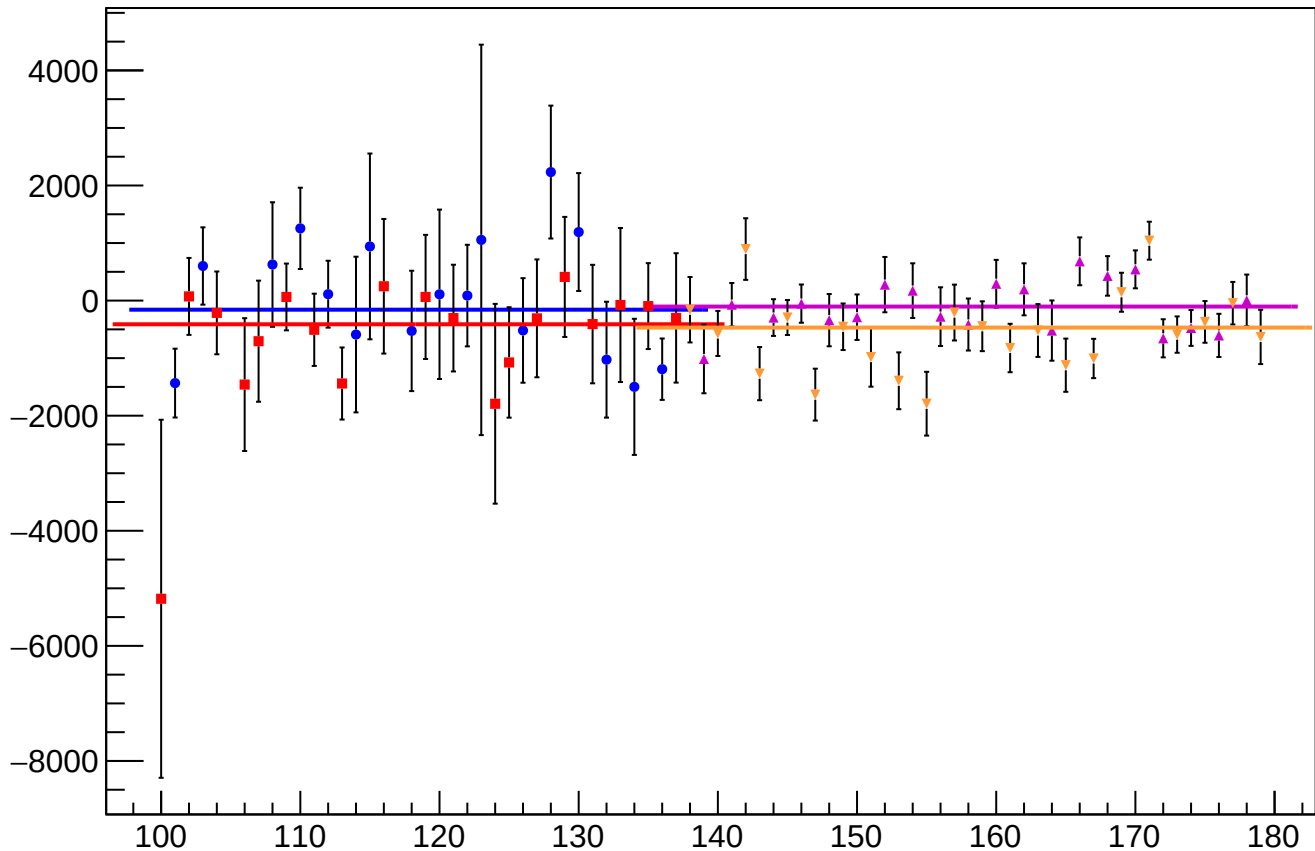
Left In: 49.618 $\pm$ 0.009 χ^2 /NDF: 242035.6/19

+ sign 49.850 $\pm$ 0.007 χ^2 /NDF: 853263.0/38

All: 49.783 $\pm$ 0.005 χ^2 /NDF: 1596341.1/77

- sign 49.715 $\pm$ 0.008 χ^2 /NDF: 742916.0/38

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 ± 210.181 $\chi^2/\text{NDF}: 23.5/16$

Left Out: -469.106 ± 87.249 $\chi^2/\text{NDF}: 58.5/21$

Right Out: -411.611 ± 203.633 $\chi^2/\text{NDF}: 9.8/18$

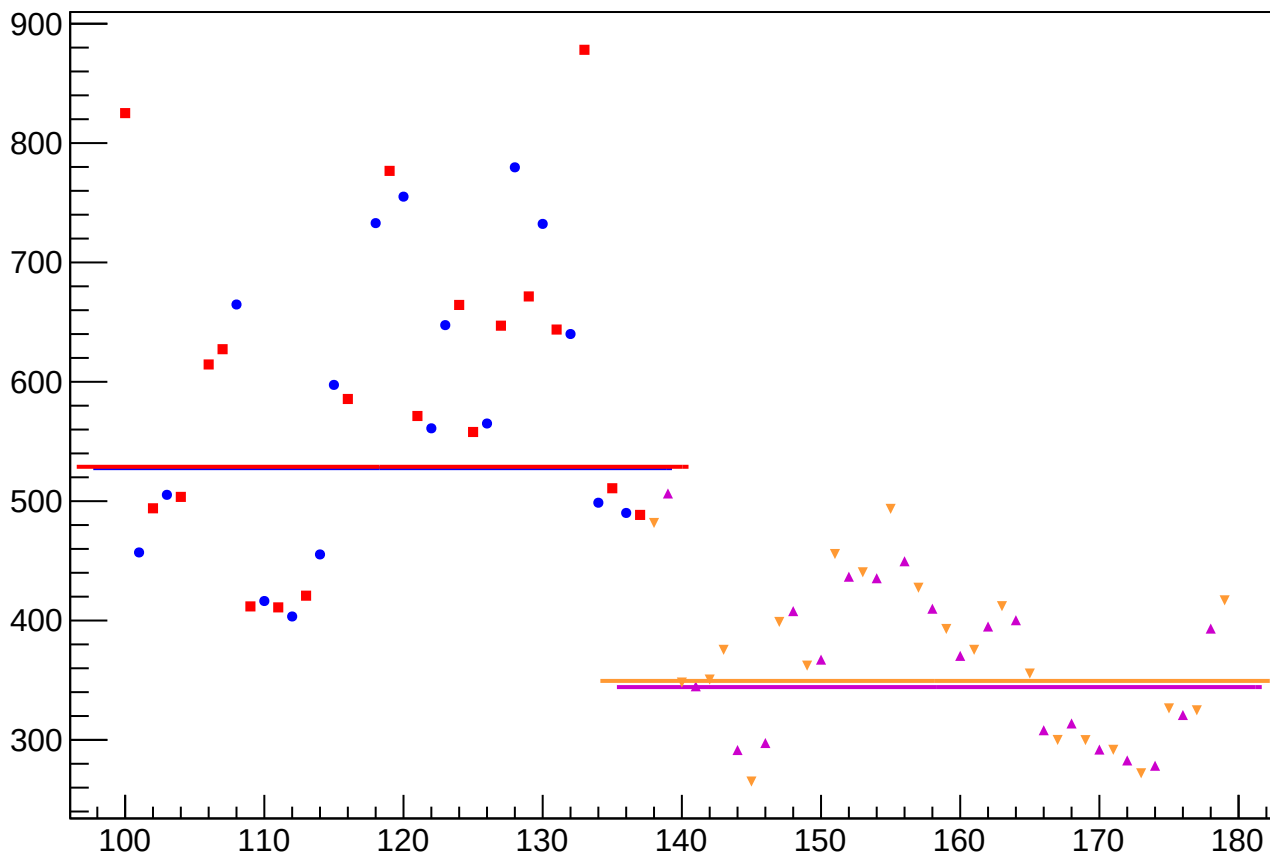
Left In: -103.815 ± 88.807 $\chi^2/\text{NDF}: 22.6/19$

+ sign -423.376 ± 80.582 $\chi^2/\text{NDF}: 83.8/38$

All: -289.559 ± 57.268 $\chi^2/\text{NDF}: 123.7/77$

- sign -153.001 ± 81.403 $\chi^2/\text{NDF}: 34.3/38$

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 349.417 $\pm$ 0.062 χ^2 /NDF:1024681.5/21

Right Out: 528.806 $\pm$ 0.144 χ^2 /NDF: 623364.6/18

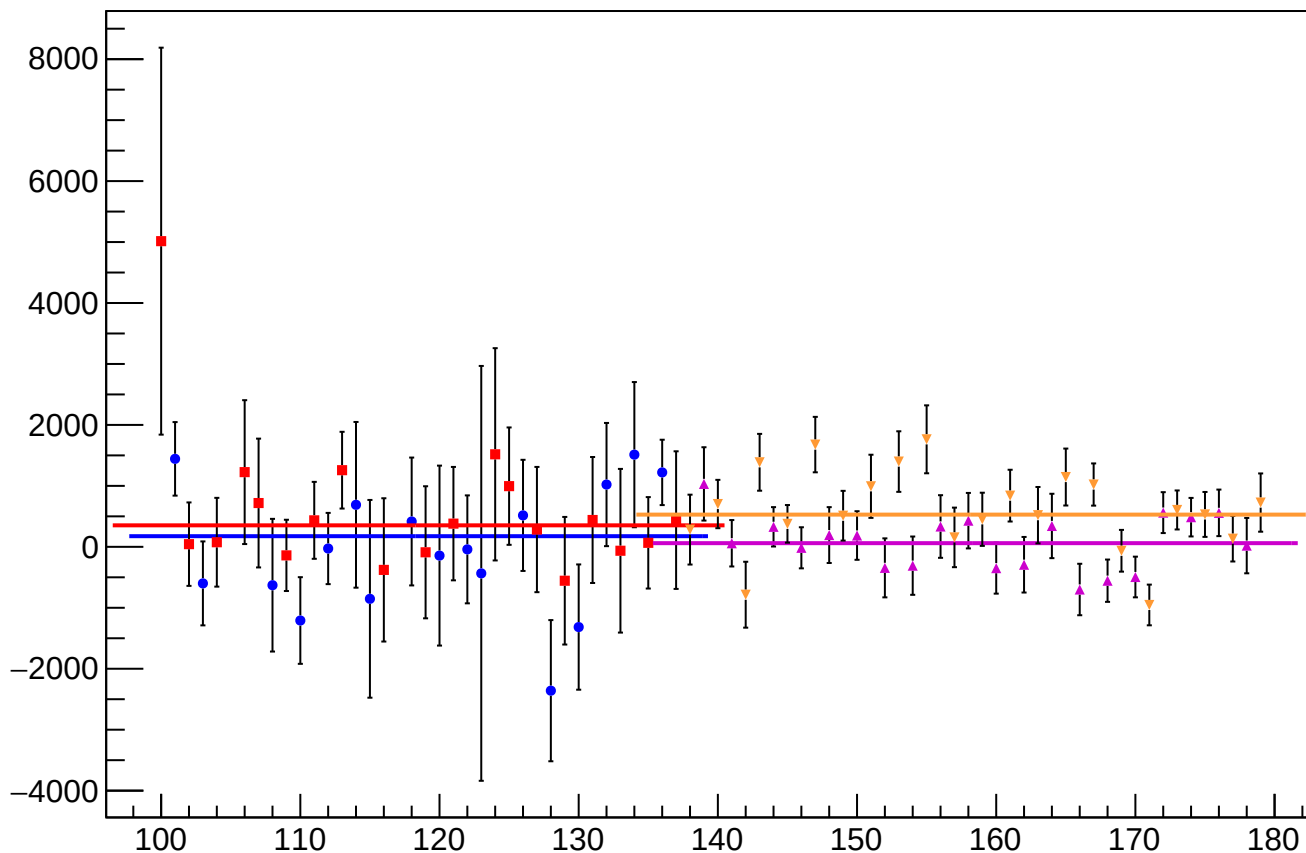
Left In: 344.239 $\pm$ 0.063 χ^2 /NDF:891025.8/19

+ sign 375.618 $\pm$ 0.057 χ^2 /NDF: 2809085.0/38

All: 374.685 $\pm$ 0.040 χ^2 /NDF: 5704469.9/77

- sign 373.734 $\pm$ 0.058 χ^2 /NDF: 2894843.8/38

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 ± 211.662 χ^2/NDF : 23.7/16

Left Out: 528.562 ± 88.200 χ^2/NDF : 54.1/21

Right Out: 352.570 ± 205.204 χ^2/NDF : 8.4/18

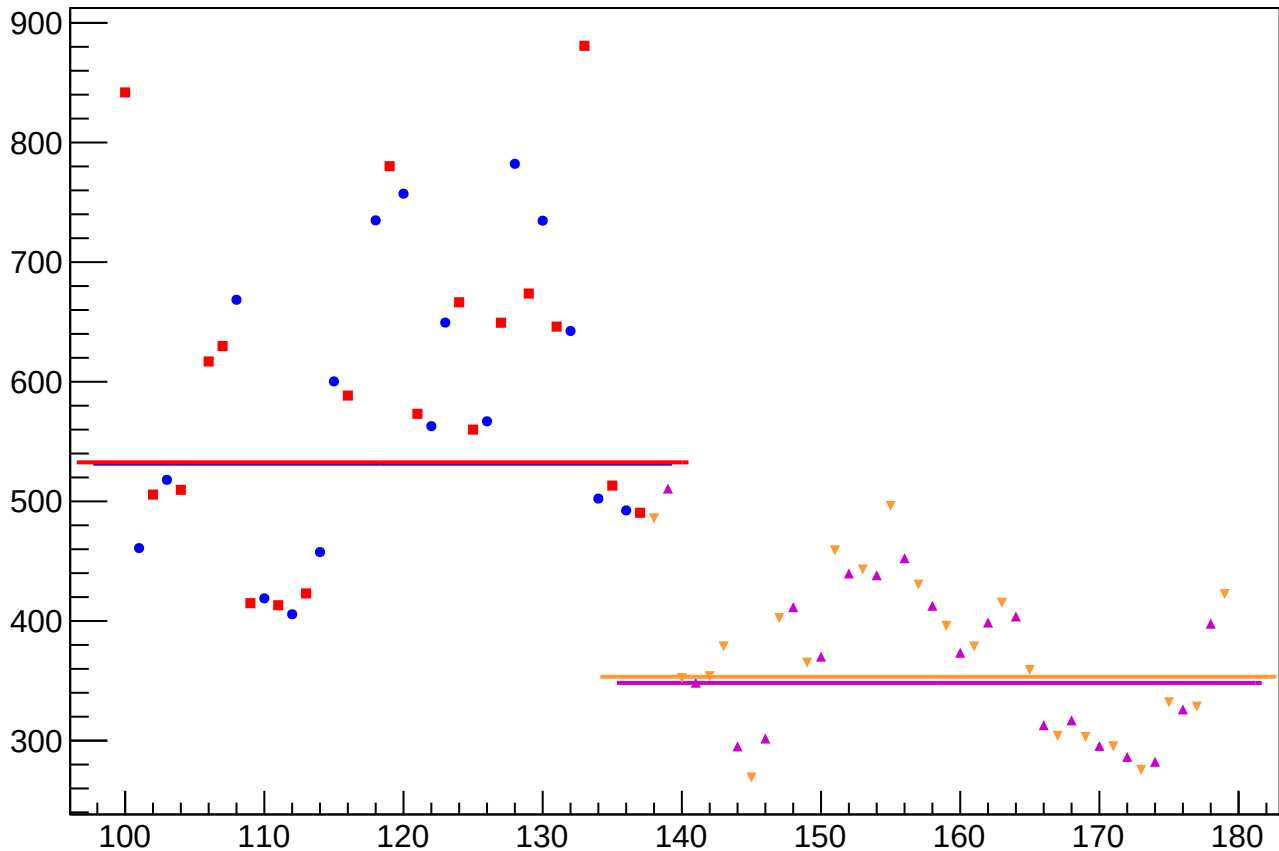
Left In: 60.231 ± 89.802 χ^2/NDF : 22.5/19

+ sign 476.193 ± 81.414 χ^2/NDF : 80.1/38

All: 293.632 ± 57.868 χ^2/NDF : 123.0/77

- sign 107.219 ± 82.269 χ^2/NDF : 32.7/38

asym_sam_1357_avg_rms vs Slug



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 353.376 $\pm$ 0.062 χ^2 /NDF: 998651.1/21

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

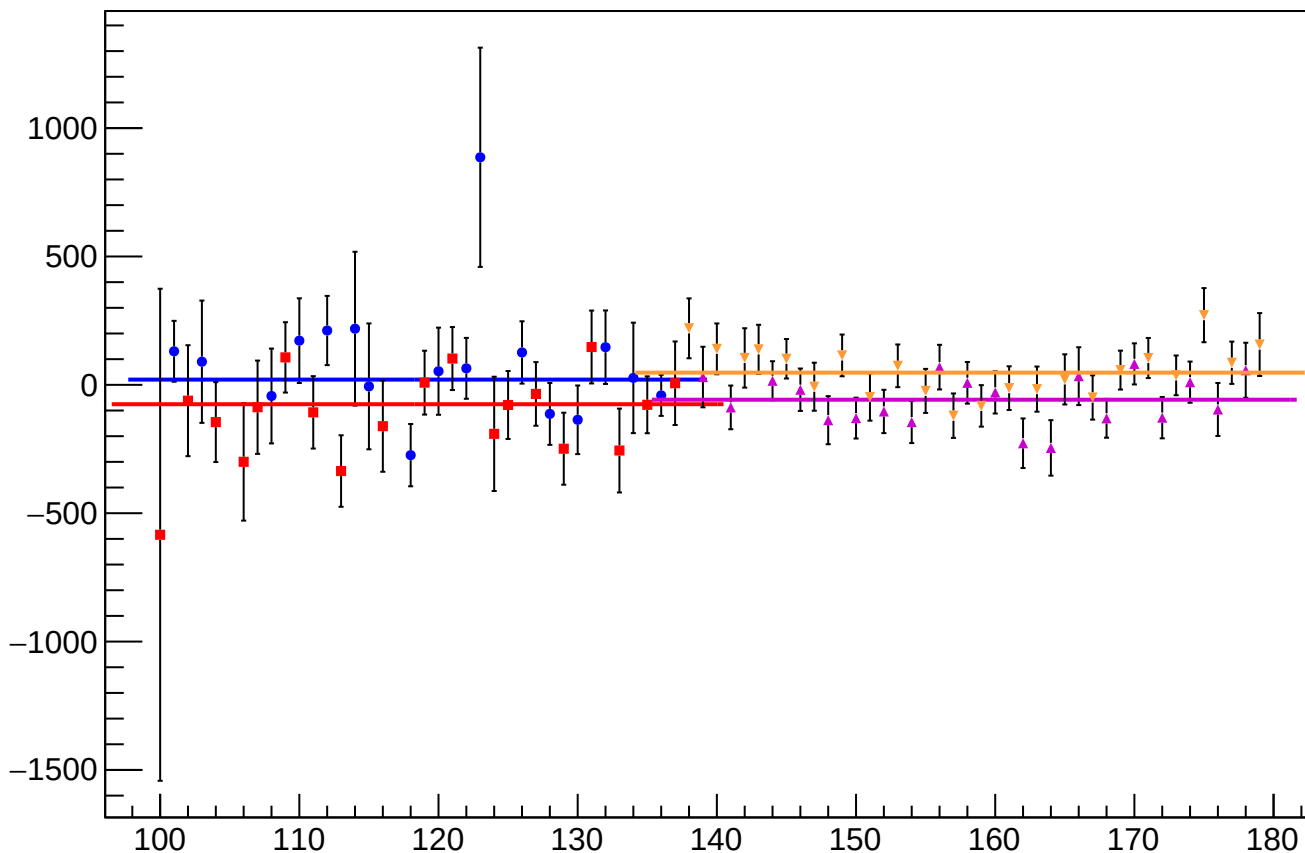
Left In: 348.244 $\pm$ 0.063 χ^2 /NDF: 866781.3/19

+ sign 379.738 $\pm$ 0.058 χ^2 /NDF: 2756318.9/38

All: 378.818 $\pm$ 0.041 χ^2 /NDF: 5594465.5/77

- sign 377.879 $\pm$ 0.058 χ^2 /NDF: 2837630.8/38

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

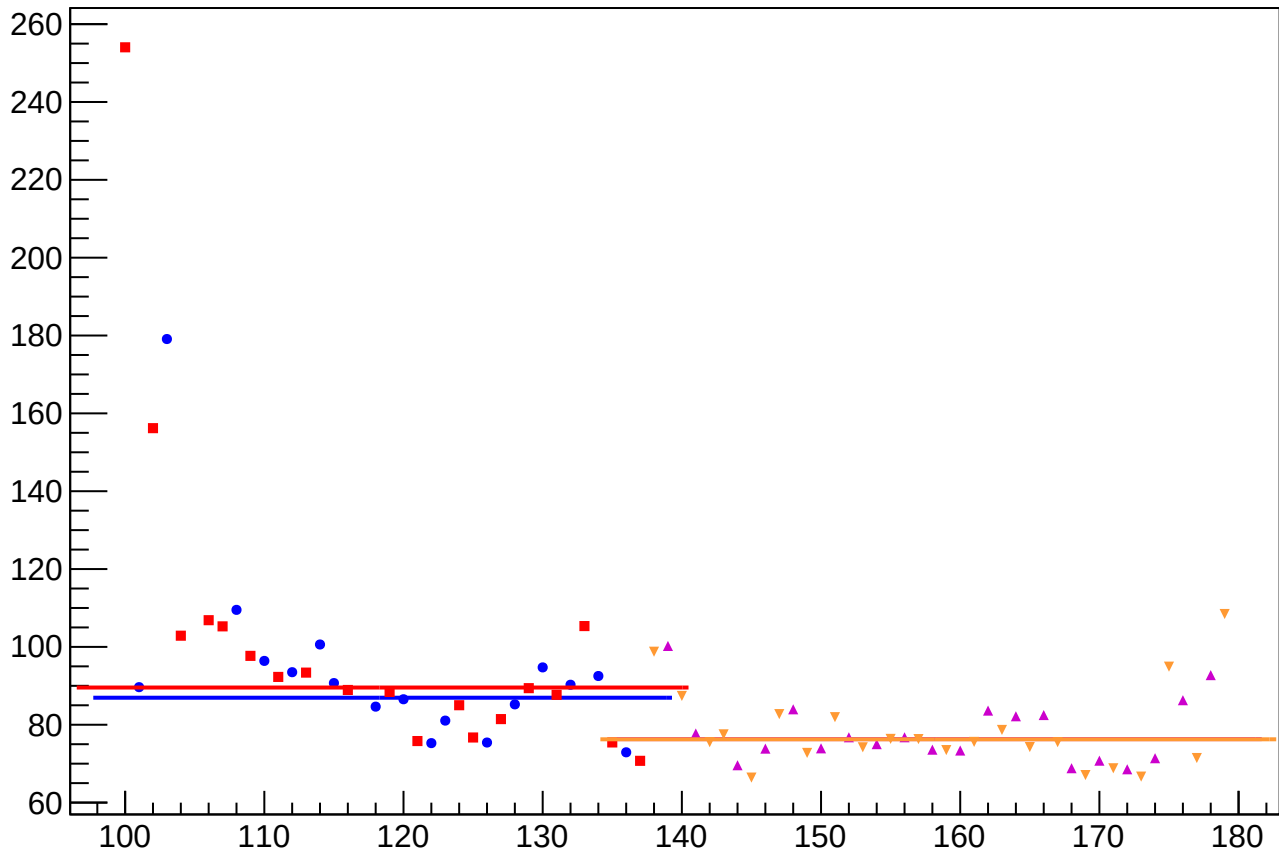
Left In: -57.866 $\pm$ 19.548 χ^2 /NDF:21.2/19

+ sign 41.340 $\pm$ 16.595 χ^2 /NDF: 42.1/38

All: -9.040 $\pm$ 11.886 χ^2 /NDF: 97.8/77

- sign -62.103 $\pm$ 17.031 χ^2 /NDF: 36.8/38

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

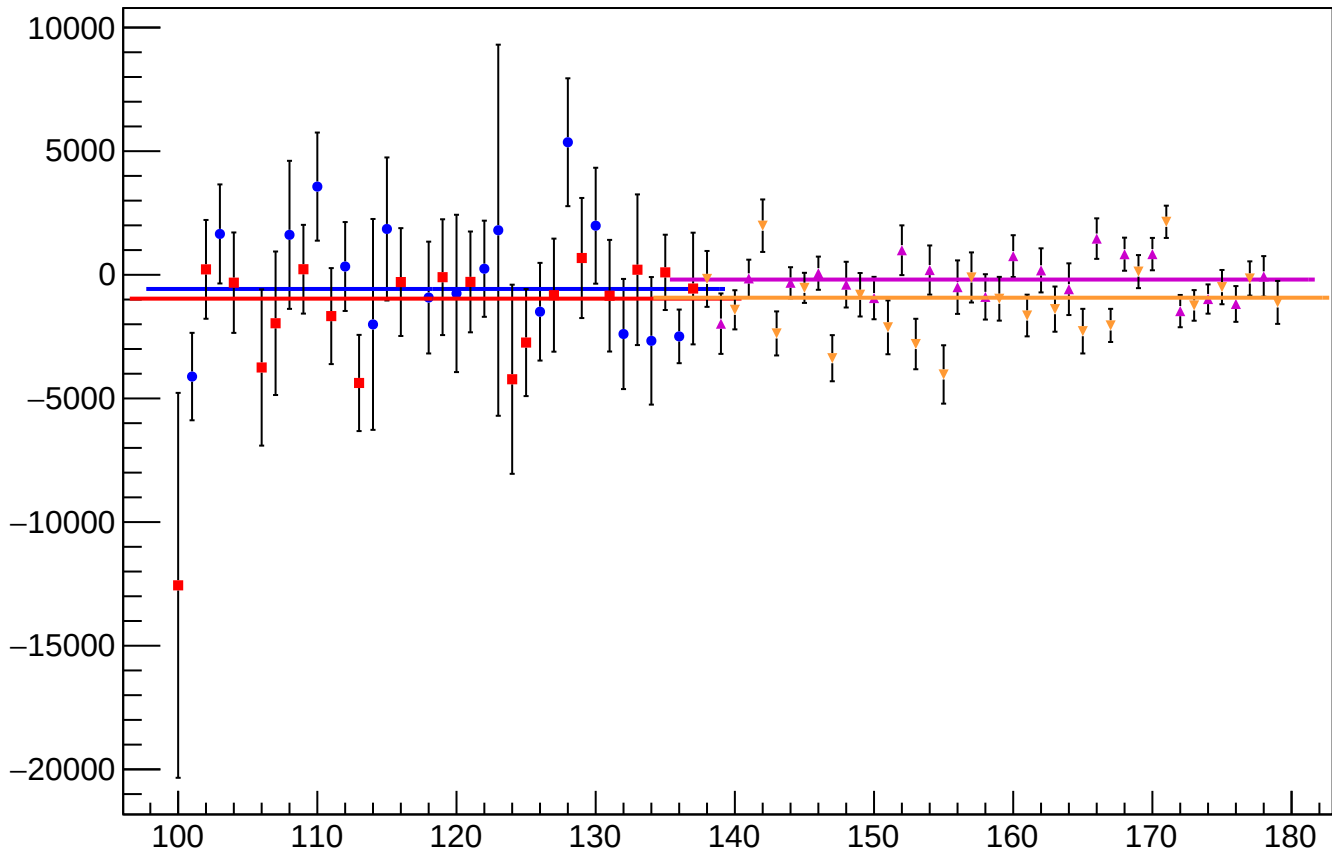
Left In: 76.310+/-0.014 χ^2 /NDF: 265225.4/19

+ sign 78.719+/-0.012 χ^2 /NDF: 1048603.4/38

All: 79.100+/-0.008 χ^2 /NDF: 1968644.0/77

- sign 79.502+/-0.012 χ^2 /NDF: 917870.9/38

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

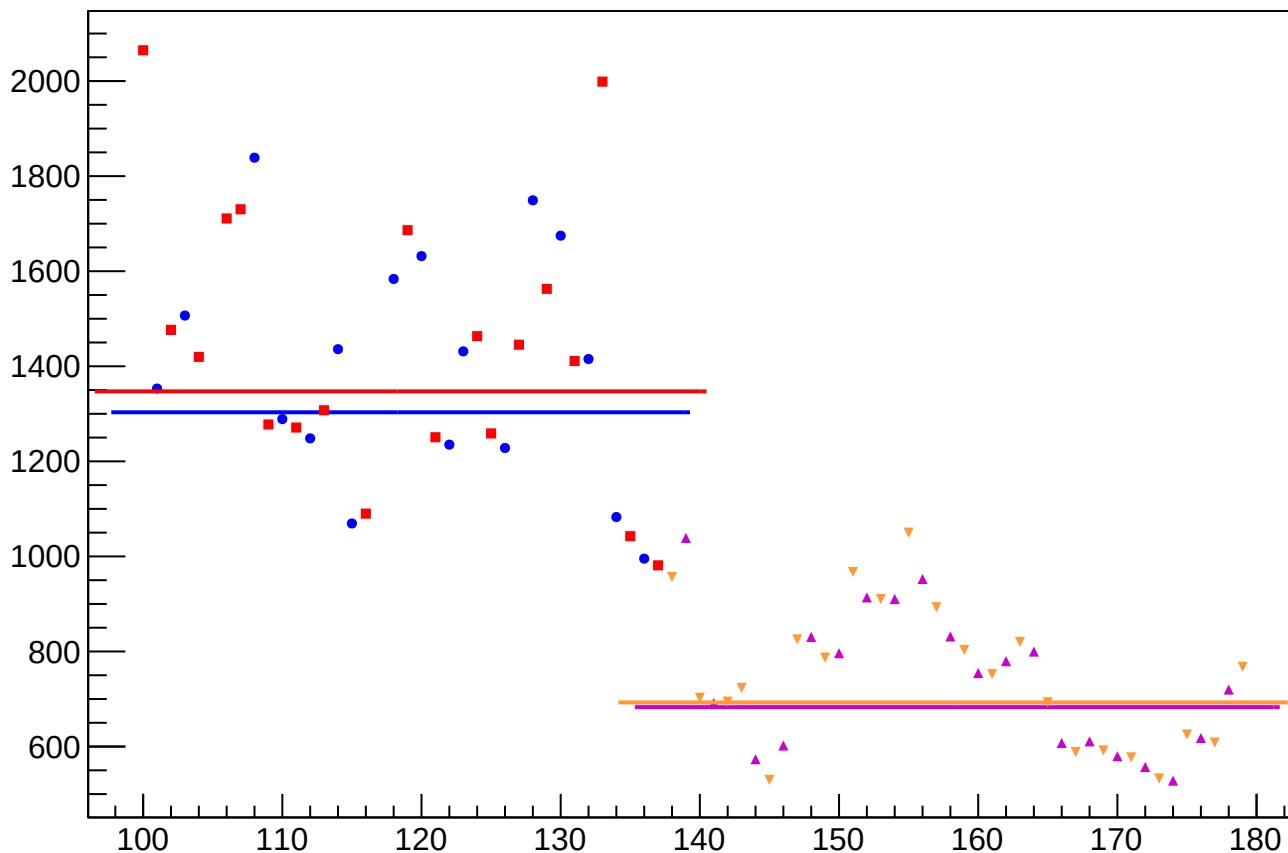
Left In: -191.867 $\pm$ 176.827 χ^2/NDF : 23.3/19

+ sign -890.221 $\pm$ 164.559 χ^2/NDF : 85.3/38

All: -586.769 $\pm$ 117.294 χ^2/NDF : 127.7/77

- sign -273.386 $\pm$ 167.230 χ^2/NDF : 35.4/38

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

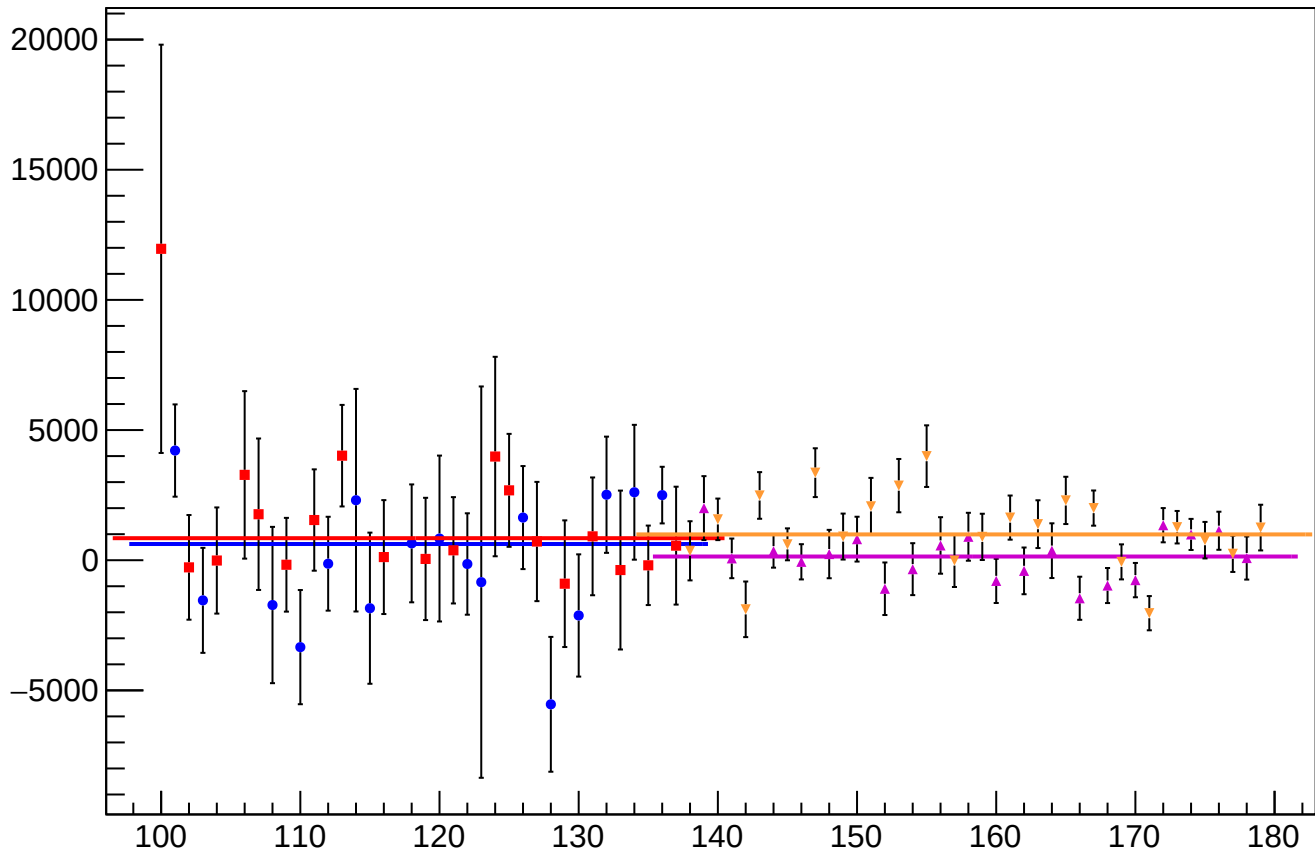
Left In: 682.899 $\pm$ 0.125 χ^2 /NDF: 1116904.6/19

+ sign 754.672 $\pm$ 0.116 χ^2 /NDF: 4188178.8/38

All: 753.871 $\pm$ 0.083 χ^2 /NDF: 8706445.9/77

- sign 753.045 $\pm$ 0.118 χ^2 /NDF: 4518170.9/38

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 ± 518.496 χ^2/NDF : 22.0/16

Left Out: 991.143 ± 174.776 χ^2/NDF : 59.7/21

Right Out: 846.021 ± 516.325 χ^2/NDF : 9.1/18

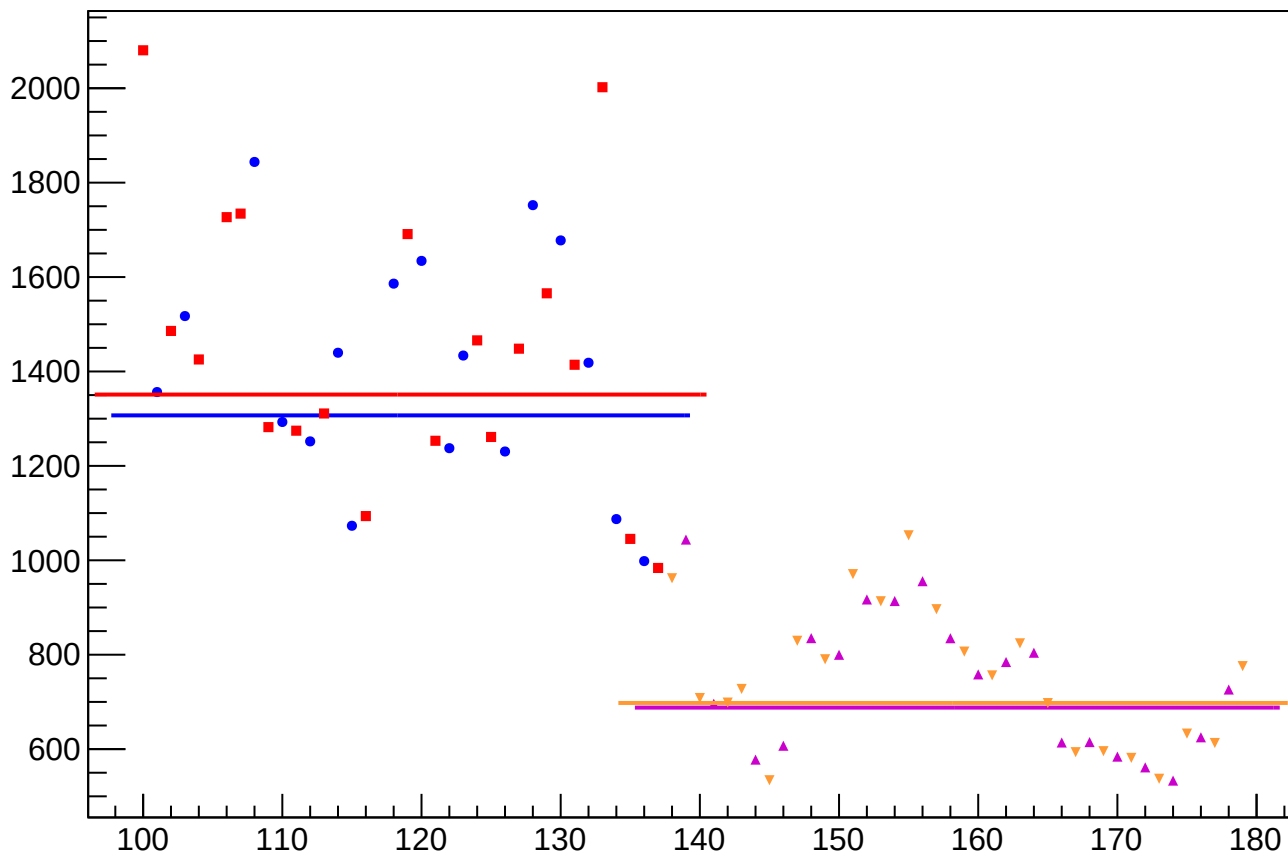
Left In: 142.084 ± 178.076 χ^2/NDF : 22.9/19

+ sign 953.521 ± 165.620 χ^2/NDF : 82.1/38

All: 591.228 ± 118.063 χ^2/NDF : 125.5/77

- sign 216.916 ± 168.345 χ^2/NDF : 33.7/38

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 697.800 $\pm$ 0.124 χ^2 /NDF:1212608.0/21

Right Out: 1351.096 $\pm$ 0.365 χ^2 /NDF: 421804.6/18

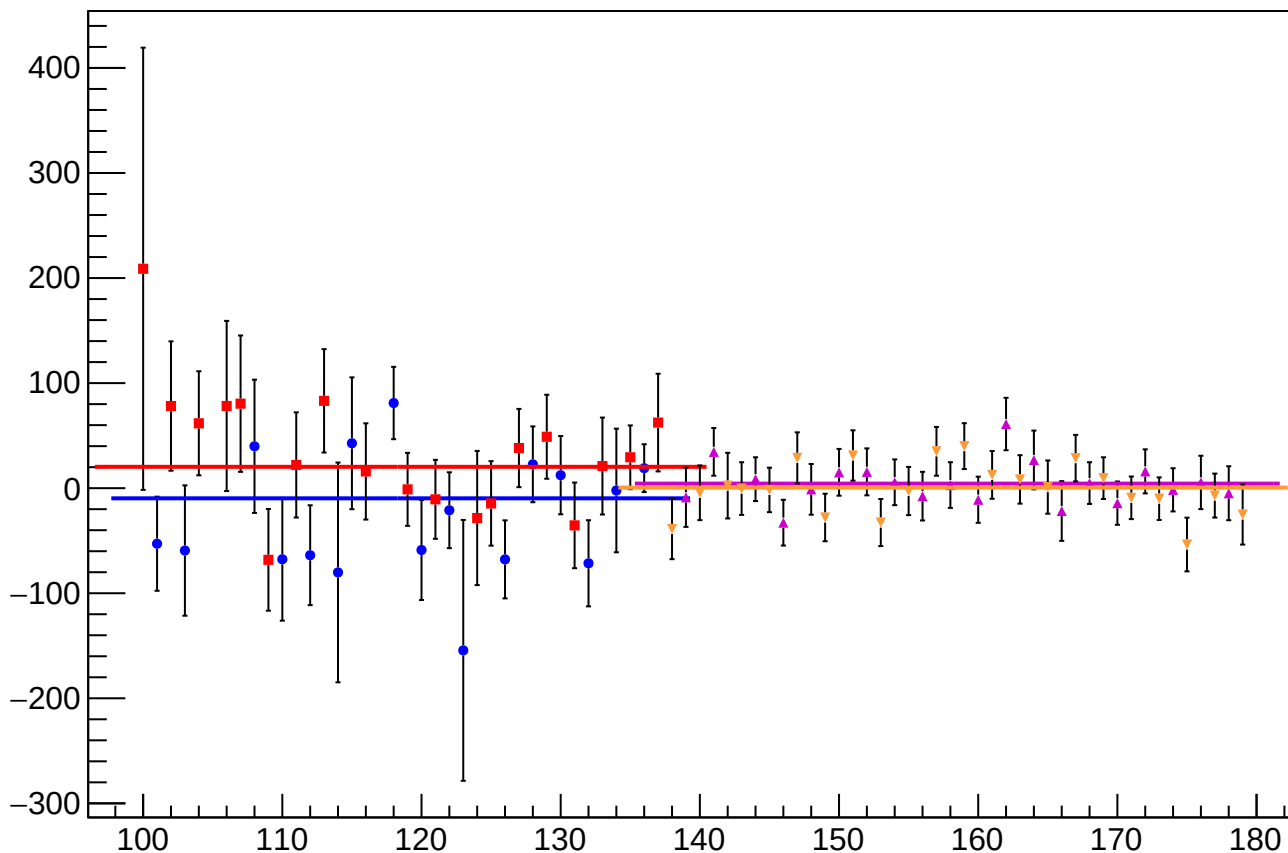
Left In: 687.948 $\pm$ 0.126 χ^2 /NDF:1097329.3/19

+ sign 759.956 $\pm$ 0.117 χ^2 /NDF: 4142890.4/38

All: 759.212 $\pm$ 0.083 χ^2 /NDF: 8610564.4/77

- sign 758.444 $\pm$ 0.119 χ^2 /NDF: 4467592.0/38

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

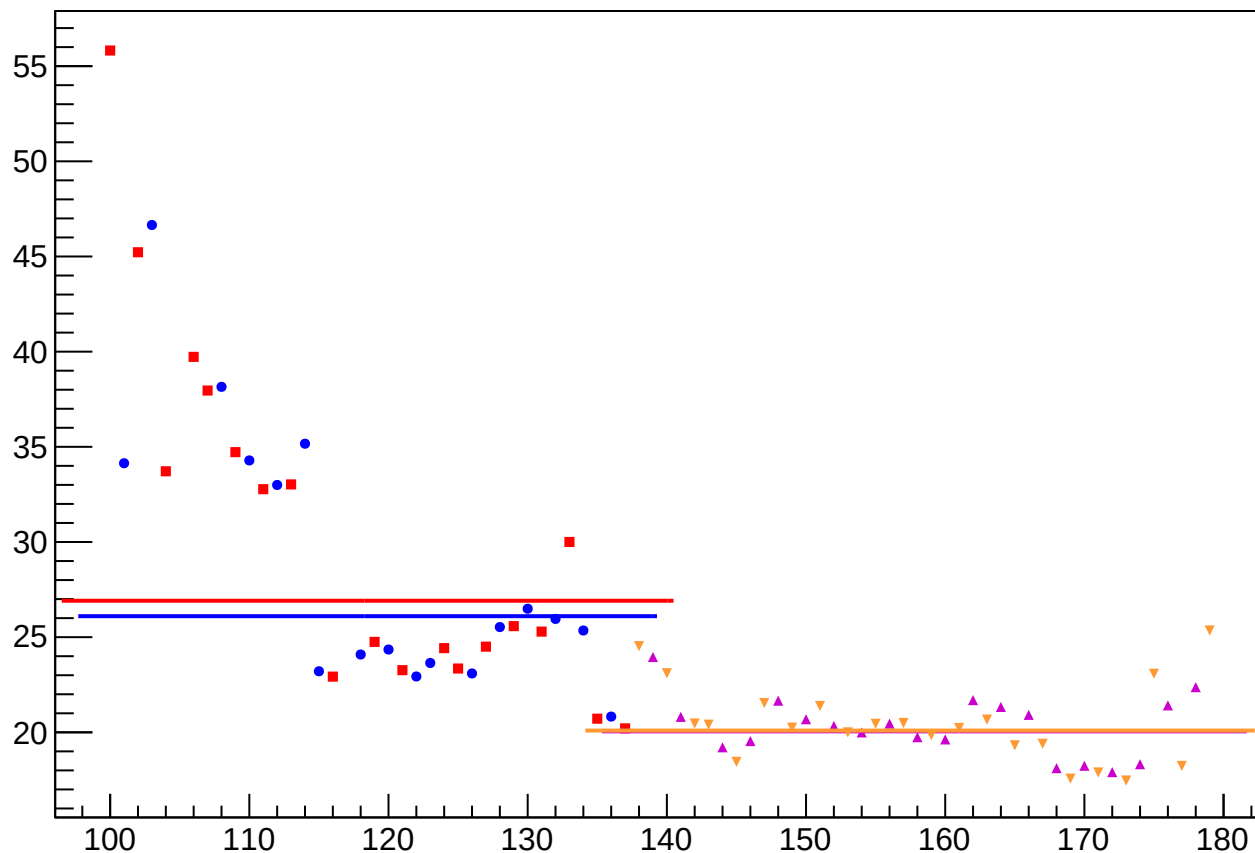
Left In: 4.327 ± 5.116 χ^2/NDF : 14.2/19

+ sign -1.375 ± 4.479 χ^2/NDF : 45.7/38

All: 2.913 ± 3.207 χ^2/NDF : 78.3/77

- sign 7.425 ± 4.594 χ^2/NDF : 30.8/38

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

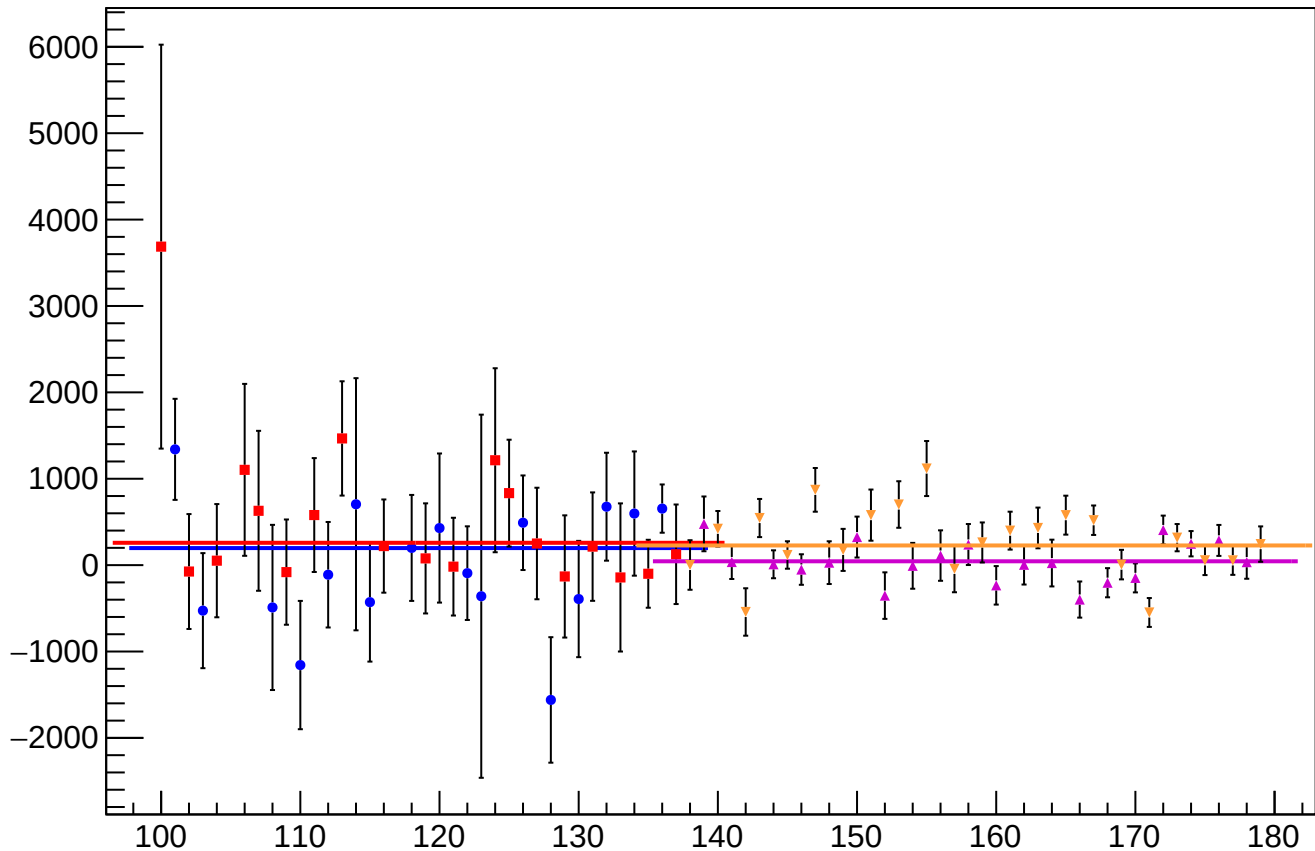
Left In: 20.052 $\pm$ 0.004 χ^2 /NDF: 163787.3/19

+ sign 21.206 $\pm$ 0.003 χ^2 /NDF: 1453631.3/38

All: 21.291 $\pm$ 0.002 χ^2 /NDF: 2994179.6/77

- sign 21.380 $\pm$ 0.003 χ^2 /NDF: 1539087.7/38

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 227.765 ± 44.476 χ^2/NDF : 64.1/21

Right Out: 258.537 ± 149.867 χ^2/NDF : 10.7/18

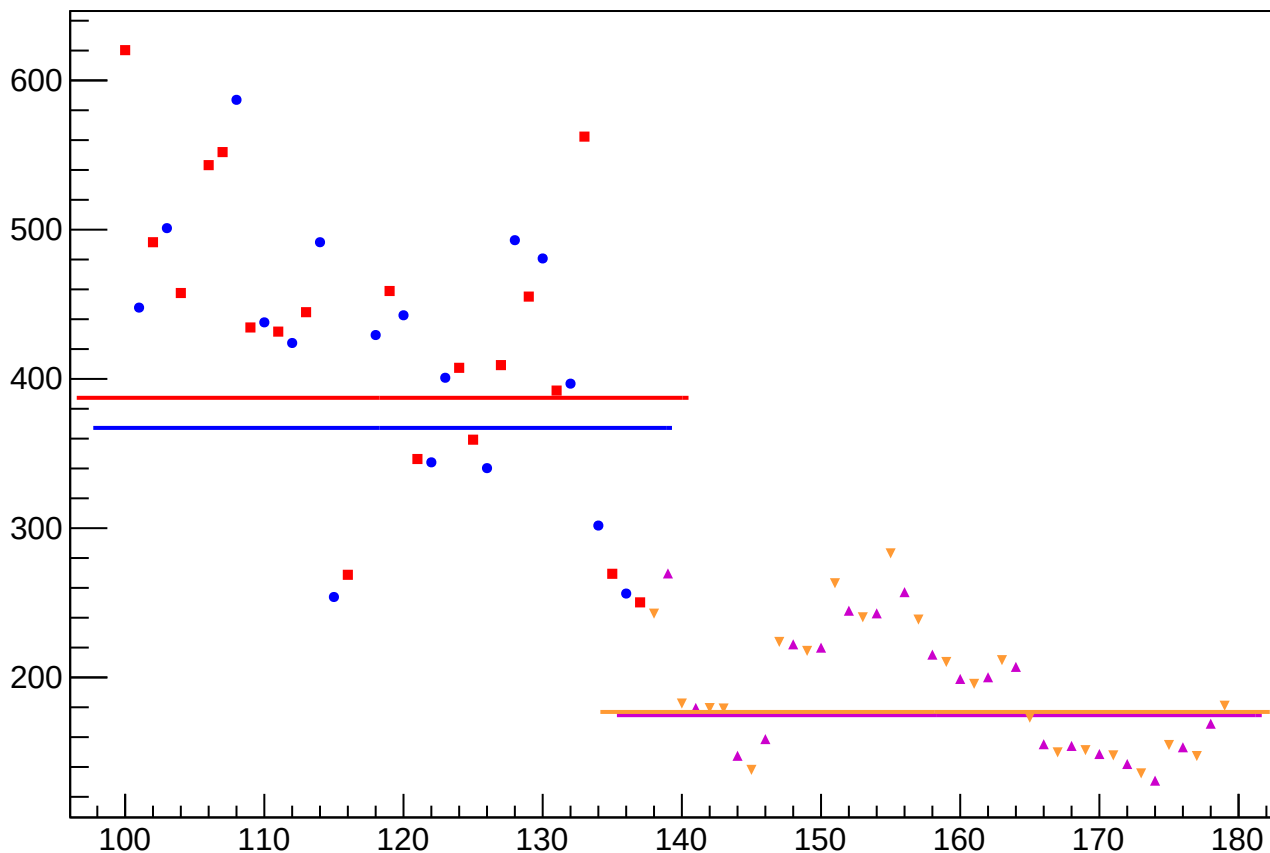
Left In: 44.409 ± 45.410 χ^2/NDF : 24.6/19

+ sign 225.240 ± 42.591 χ^2/NDF : 85.1/38

All: 145.469 ± 30.419 χ^2/NDF : 129.4/77

- sign 62.415 ± 43.459 χ^2/NDF : 37.1/38

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

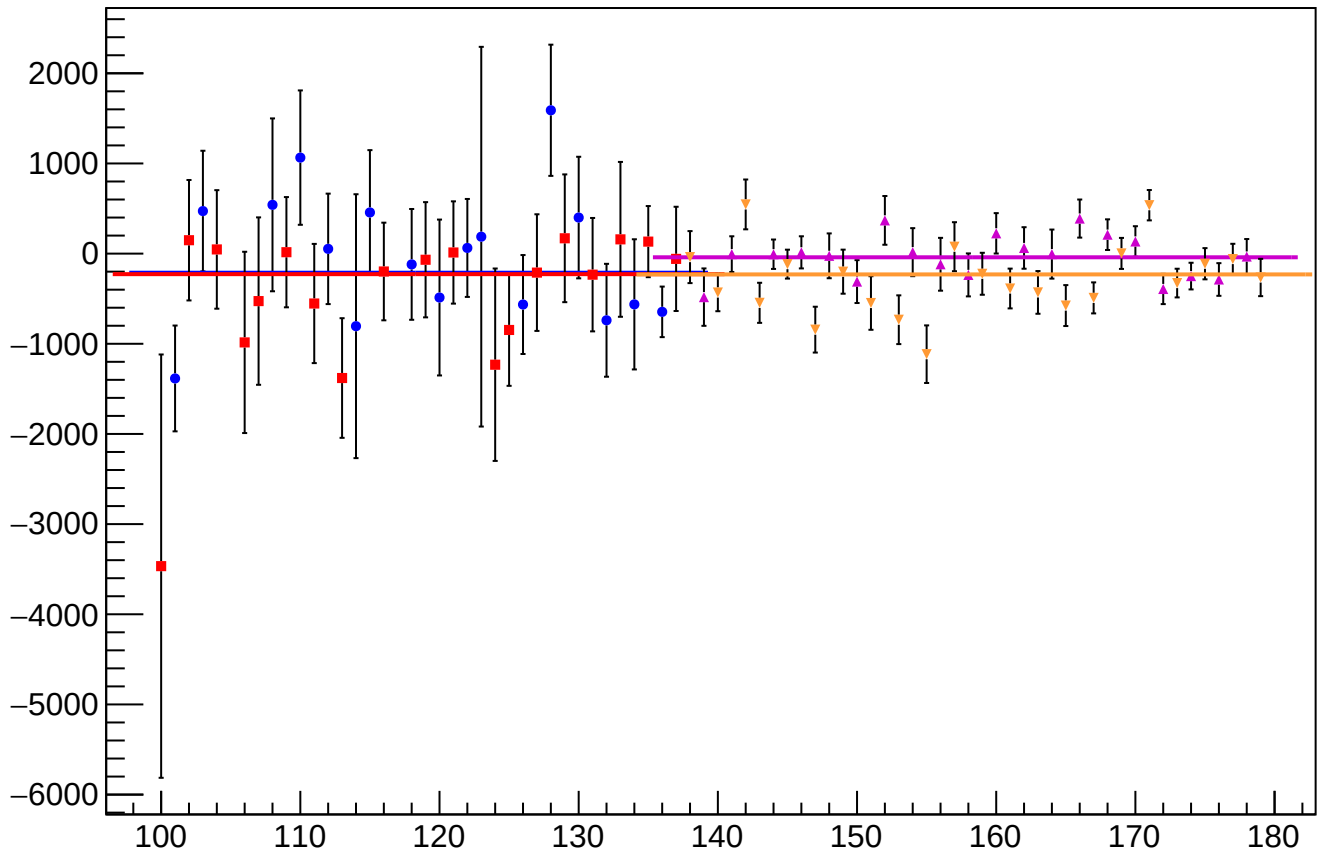
Left In: 174.709 $\pm$ 0.032 χ^2 /NDF: 1344863.5/19

+ sign 192.662 $\pm$ 0.030 χ^2 /NDF: 5312634.4/38

All: 192.627 $\pm$ 0.022 χ^2 /NDF: 11119614.9/77

- sign 192.590 $\pm$ 0.031 χ^2 /NDF: 5806977.6/38

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

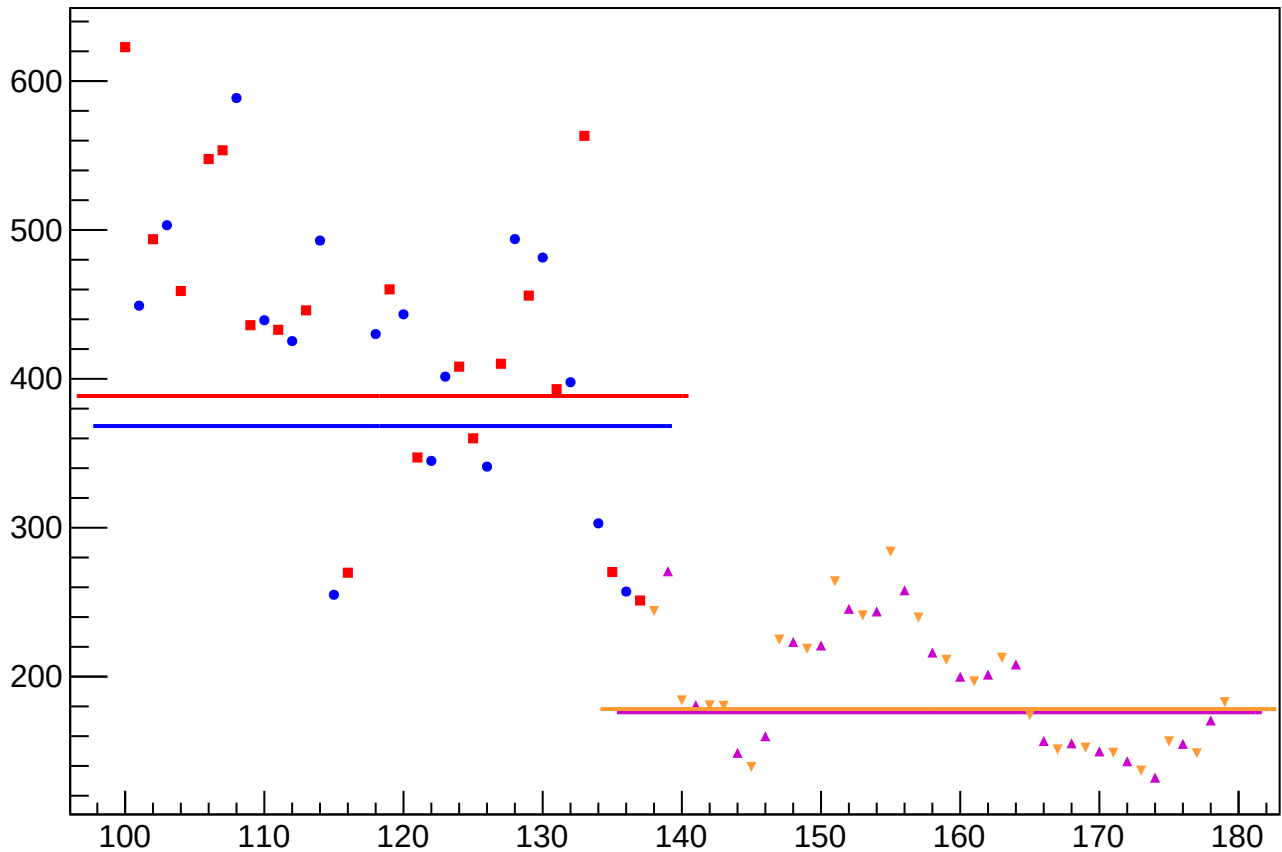
Left In: -40.750 ± 45.742 χ^2/NDF : 23.7/19

+ sign -229.050 ± 42.880 χ^2/NDF : 82.5/38

All: -144.580 ± 30.628 χ^2/NDF : 125.6/77

- sign -56.606 ± 43.761 χ^2/NDF : 35.2/38

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 $\chi^2/\text{NDF}: 774717.2/18$

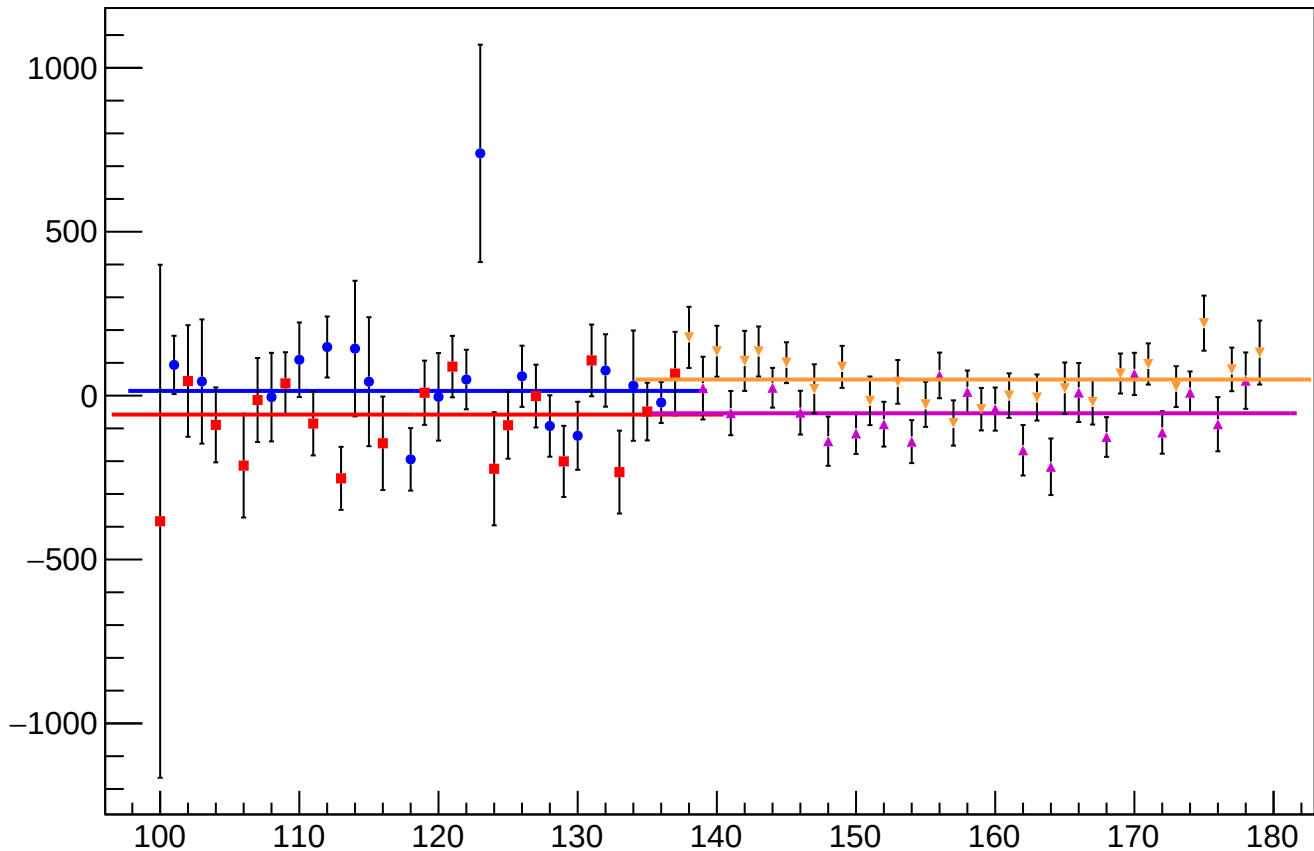
Left In: 176.063 ± 0.032 $\chi^2/\text{NDF}: 1320425.4/19$

+ sign 194.101 ± 0.030 $\chi^2/\text{NDF}: 5260150.9/38$

All: 194.084 ± 0.022 $\chi^2/\text{NDF}: 11010410.5/77$

- sign 194.066 ± 0.031 $\chi^2/\text{NDF}: 5750258.9/38$

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

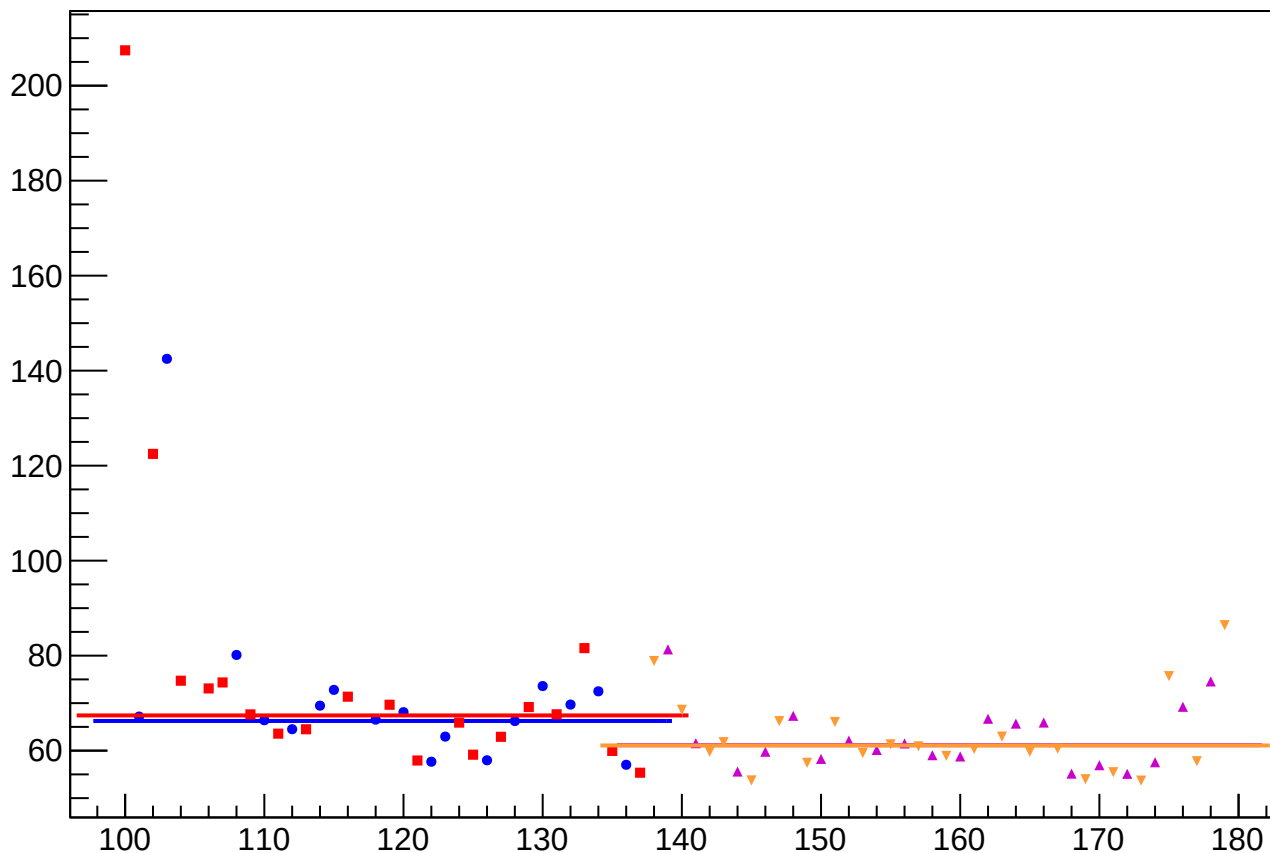
Left In: -53.858 $\pm$ 15.661 χ^2 /NDF:24.7/19

+ sign 40.528 $\pm$ 13.129 χ^2 /NDF: 40.7/38

All: -6.099 $\pm$ 9.389 χ^2 /NDF: 109.6/77

- sign -54.899 $\pm$ 13.432 χ^2 /NDF: 43.1/38

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247 $\pm$ 0.019 χ^2 /NDF: 440944.2/16

Left Out: 61.093 $\pm$ 0.011 χ^2 /NDF: 421667.8/21

Right Out: 67.415 $\pm$ 0.018 χ^2 /NDF: 393608.5/18

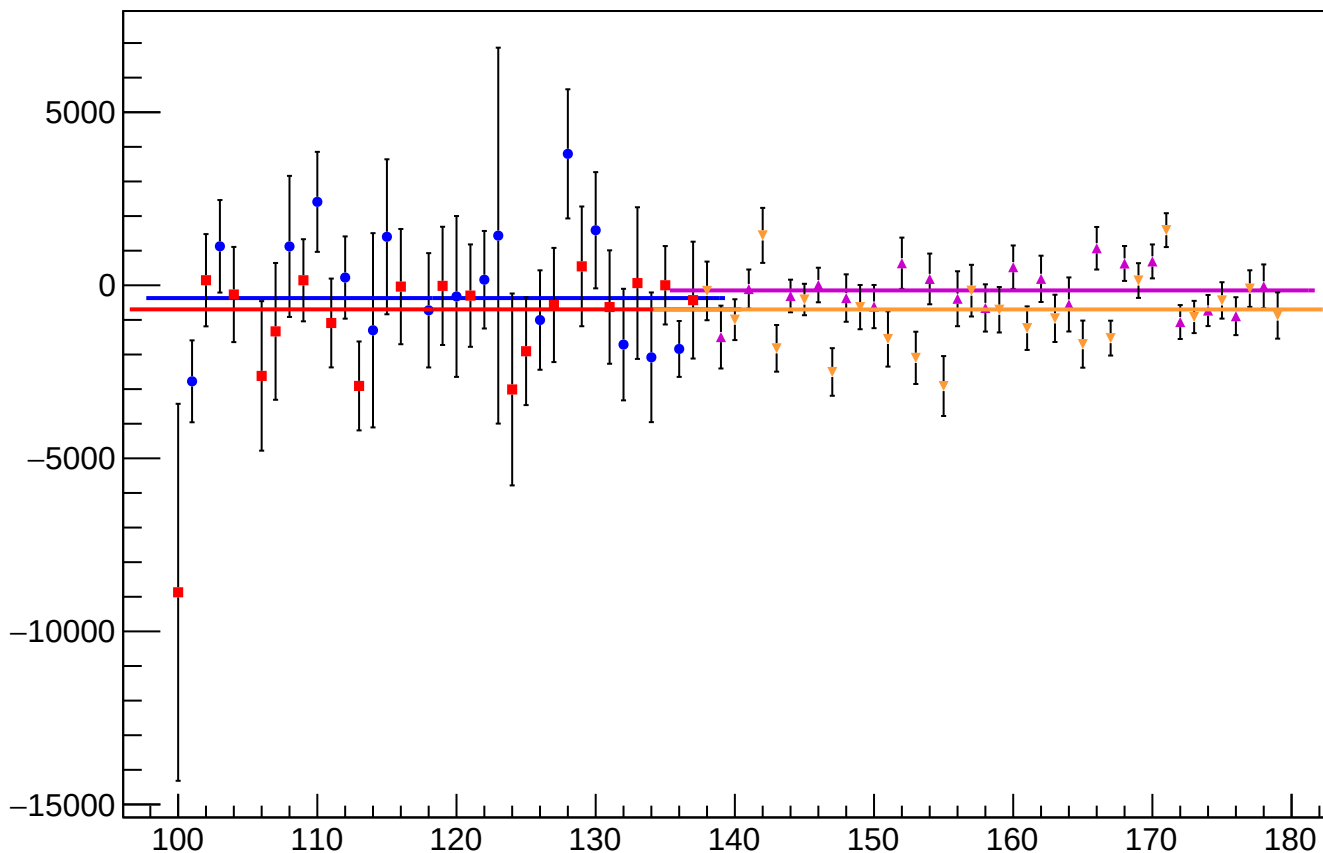
Left In: 61.157 $\pm$ 0.011 χ^2 /NDF: 270941.7/19

+ sign 62.374 $\pm$ 0.009 χ^2 /NDF: 920180.0/38

All: 62.588 $\pm$ 0.007 χ^2 /NDF: 1670252.3/77

- sign 62.812 $\pm$ 0.009 χ^2 /NDF: 748985.9/38

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

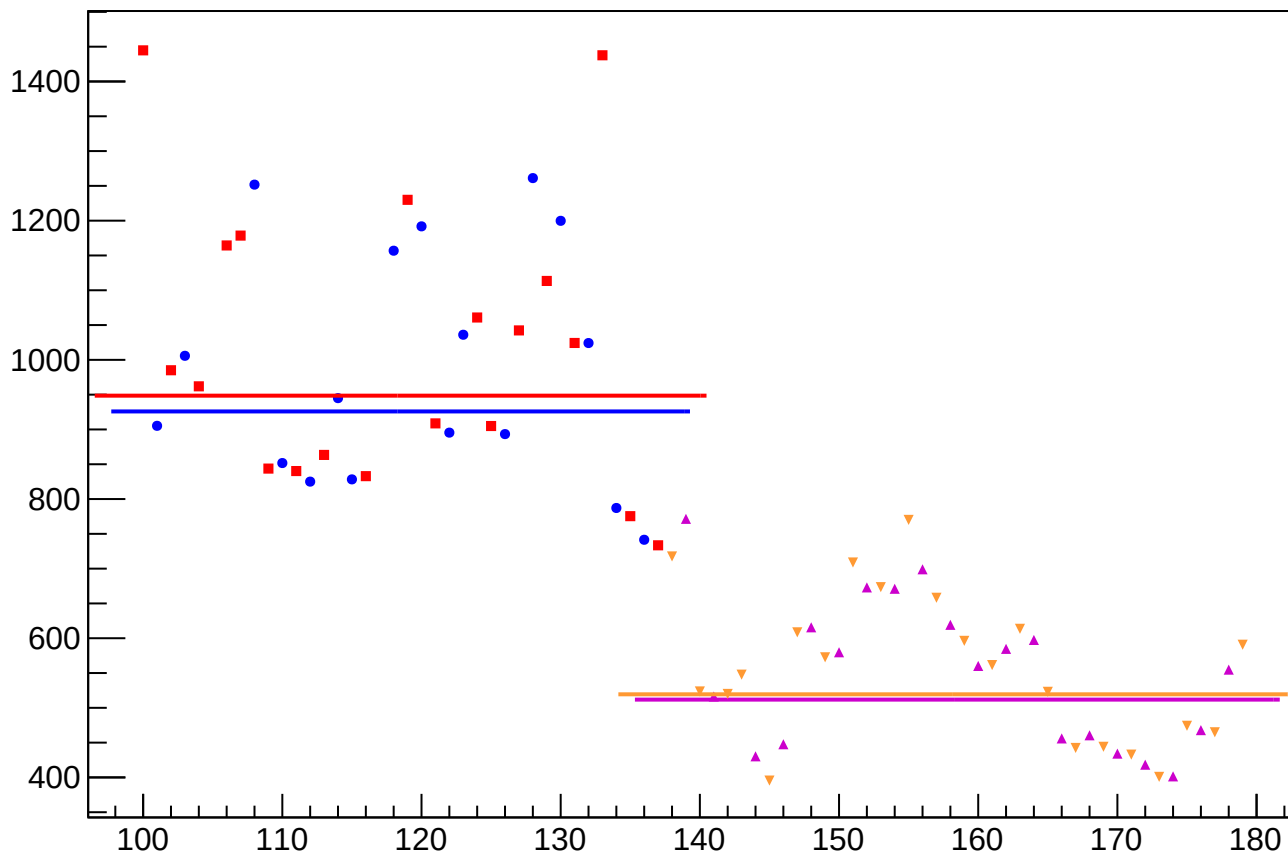
Left In: -147.885 $\pm$ 132.353 χ^2 /NDF: 23.0/19

+ sign -661.228 $\pm$ 122.503 χ^2 /NDF: 84.9/38

All: -440.123 $\pm$ 87.252 χ^2 /NDF: 126.5/77

- sign -212.483 $\pm$ 124.301 χ^2 /NDF: 34.9/38

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

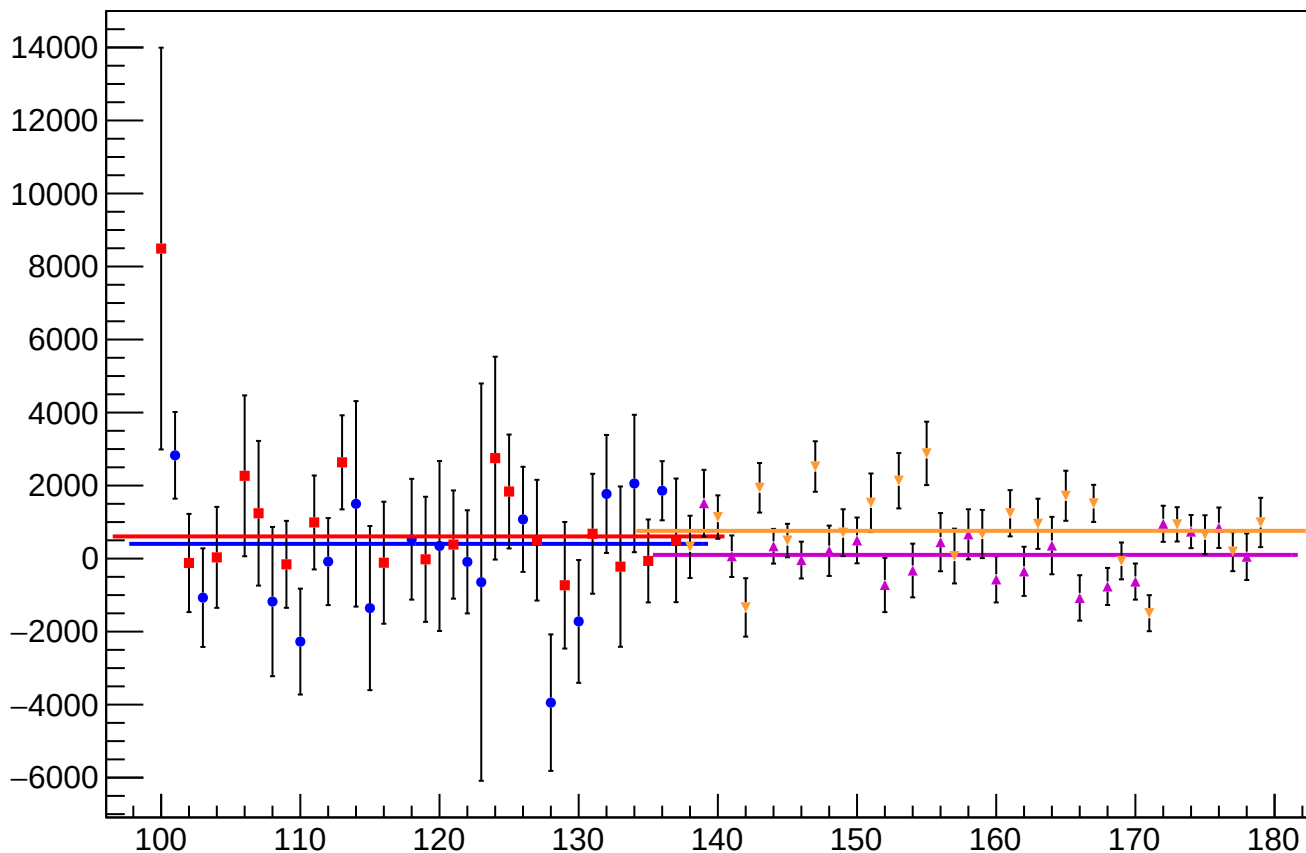
Left In: 511.802 $\pm$ 0.094 χ^2 /NDF:1038952.4/19

+ sign 564.849 $\pm$ 0.087 χ^2 /NDF: 3736333.3/38

All: 564.100 $\pm$ 0.062 χ^2 /NDF: 7726761.4/77

- sign 563.329 $\pm$ 0.088 χ^2 /NDF: 3990276.4/38

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

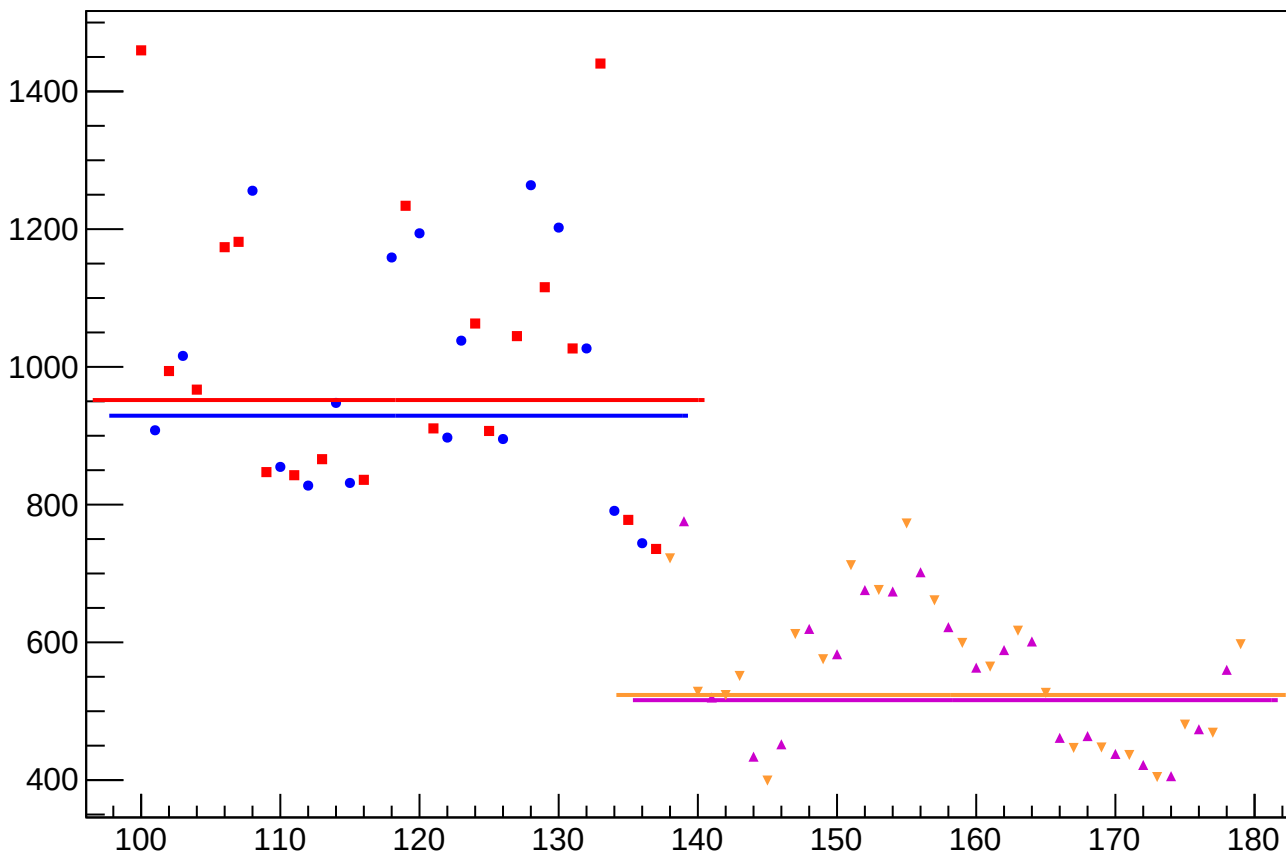
Left In: 101.323 $\pm$ 133.409 χ^2 /NDF:22.7/19

+ sign 720.048 $\pm$ 123.392 χ^2 /NDF: 81.5/38

All: 444.877 $\pm$ 87.895 χ^2 /NDF: 124.8/77

- sign 161.434 $\pm$ 125.233 χ^2 /NDF: 33.2/38

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

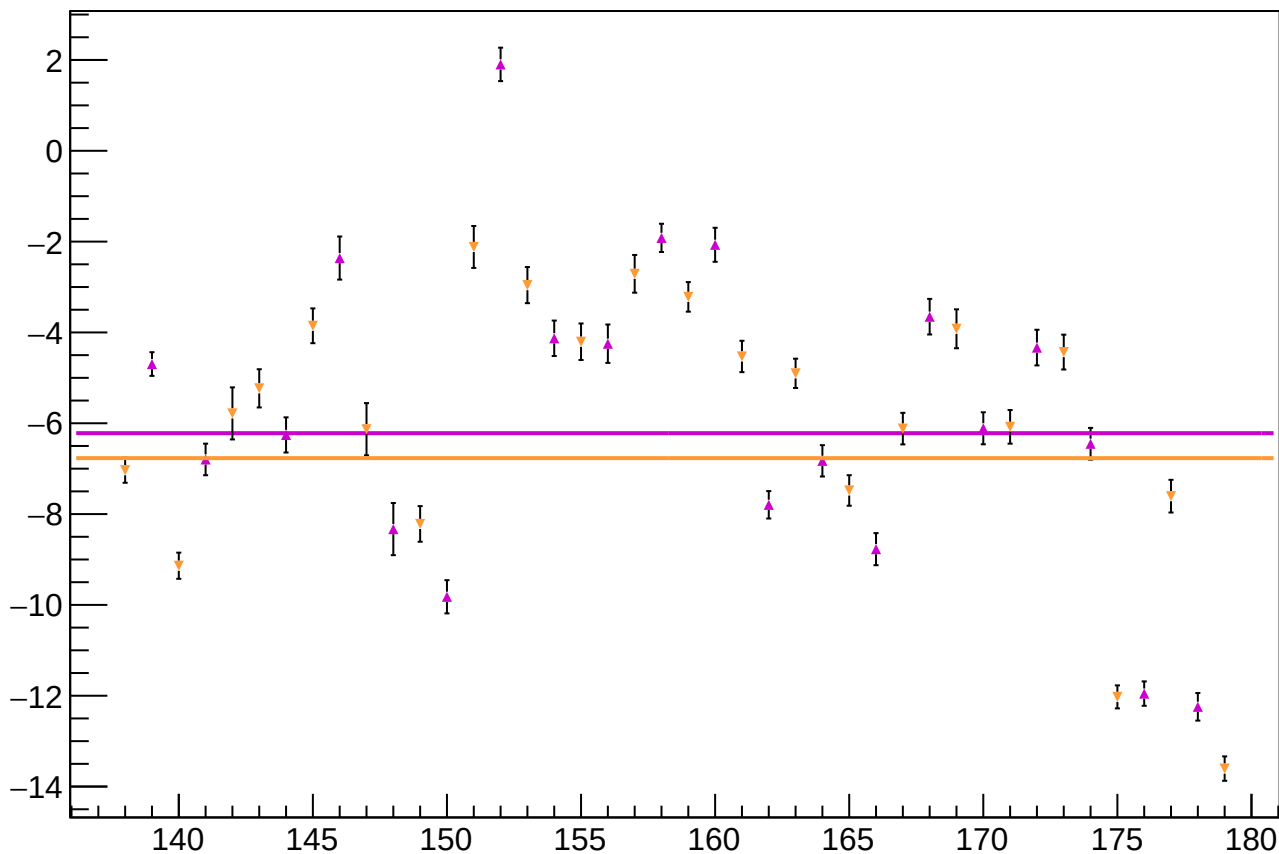
Left In: 516.061 $\pm$ 0.094 χ^2 /NDF:1018514.1/19

+ sign 569.276 $\pm$ 0.087 χ^2 /NDF: 3688091.7/38

All: 568.566 $\pm$ 0.062 χ^2 /NDF: 7624384.9/77

- sign 567.835 $\pm$ 0.089 χ^2 /NDF: 3936158.8/38

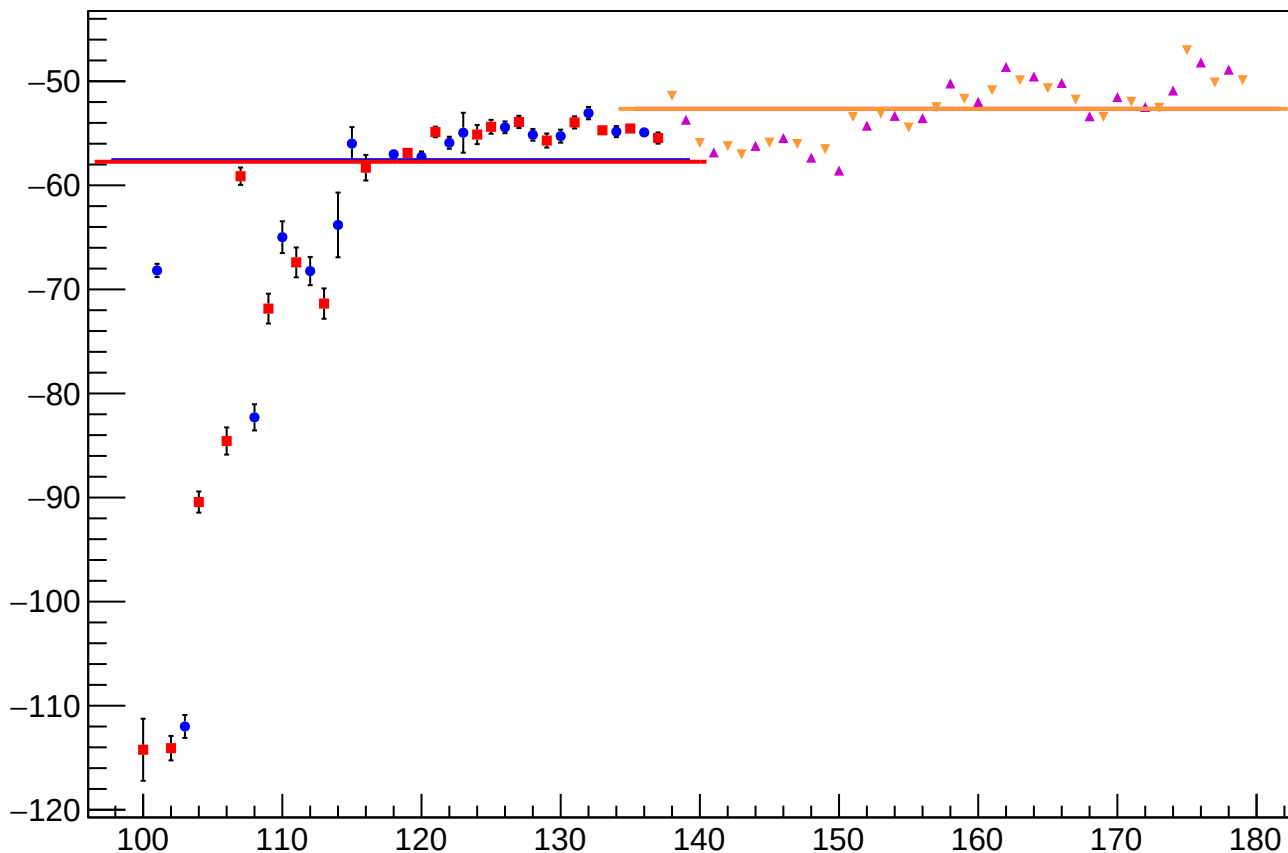
reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.768+/-0.076 χ^2/NDF :1856.6/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.218+/-0.078 χ^2/NDF :2061.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -6.503+/-0.054 χ^2/NDF : 3943.7/41
 - sign 0.000+/-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

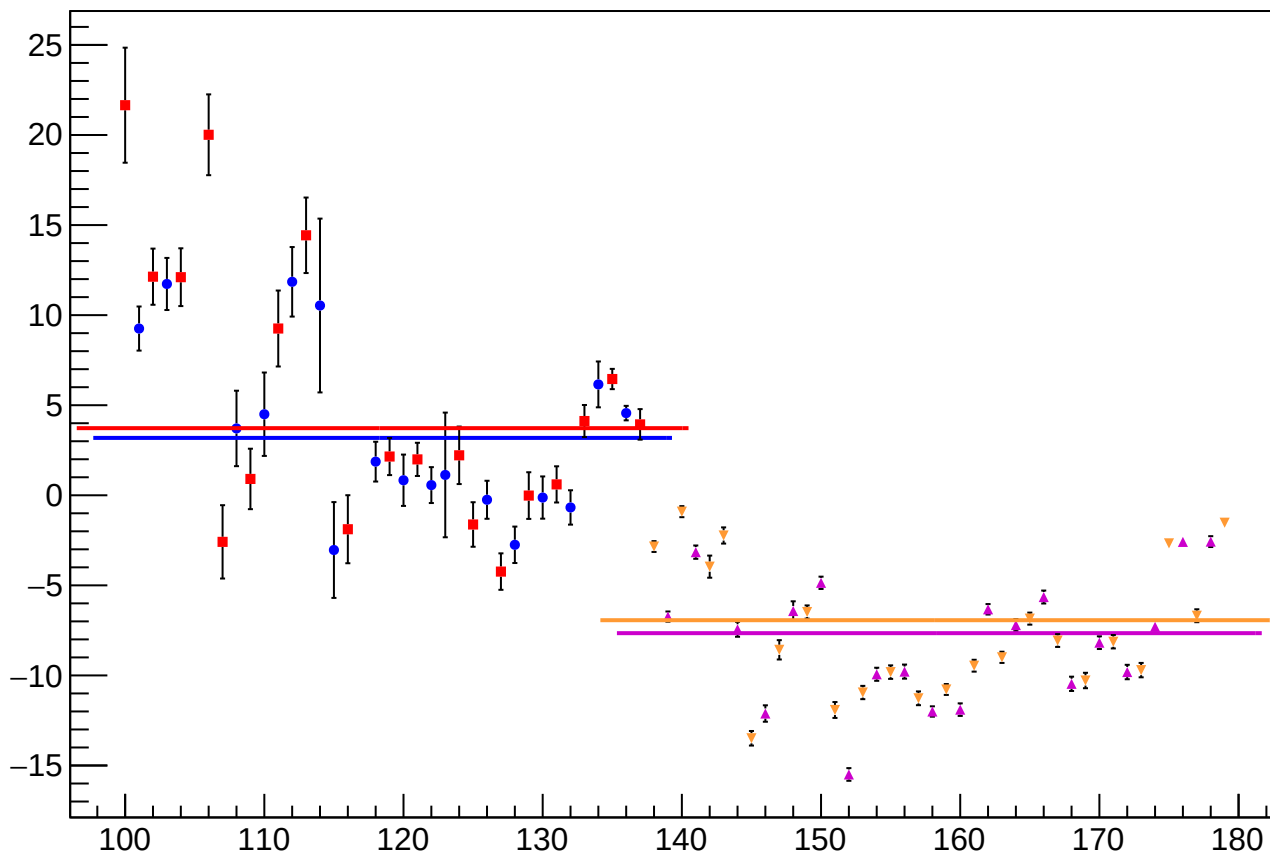
Left In: -52.649 ± 0.062 χ^2/NDF : 2545.2/19

+ sign -53.366 ± 0.054 χ^2/NDF : 6504.9/38

All: -53.409 ± 0.039 χ^2/NDF : 14813.5/77

- sign -53.455 ± 0.057 χ^2/NDF : 8307.4/38

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

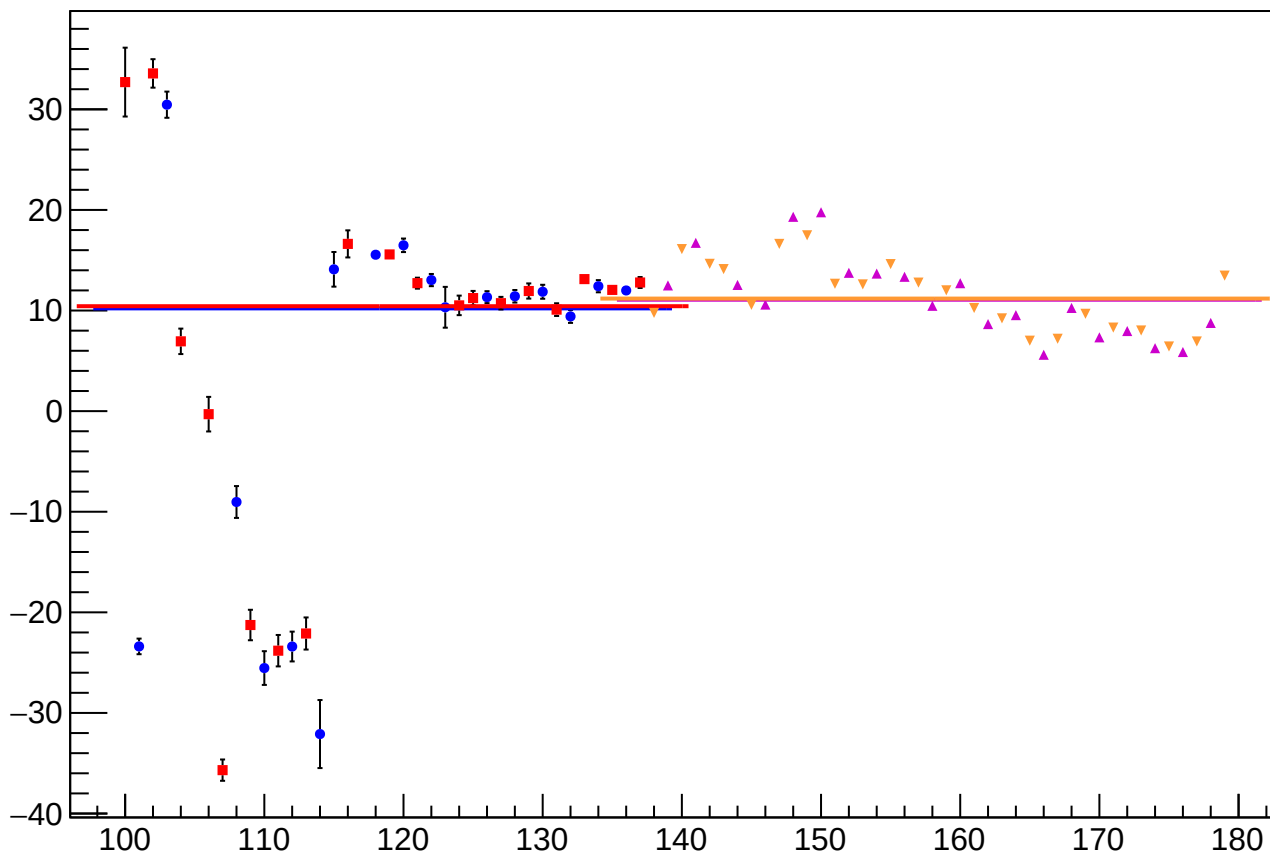
Left In: -7.654 ± 0.078 χ^2/NDF : 2052.0/19

+ sign -6.147 ± 0.072 χ^2/NDF : 4102.5/38

All: -6.450 ± 0.052 χ^2/NDF : 8183.7/77

- sign -6.771 ± 0.075 χ^2/NDF : 4045.1/38

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215+/-0.158 χ^2/NDF : 3692.6/16

Left Out: 11.188+/-0.066 χ^2/NDF : 2437.3/21

Right Out: 10.430+/-0.160 χ^2/NDF : 3826.9/18

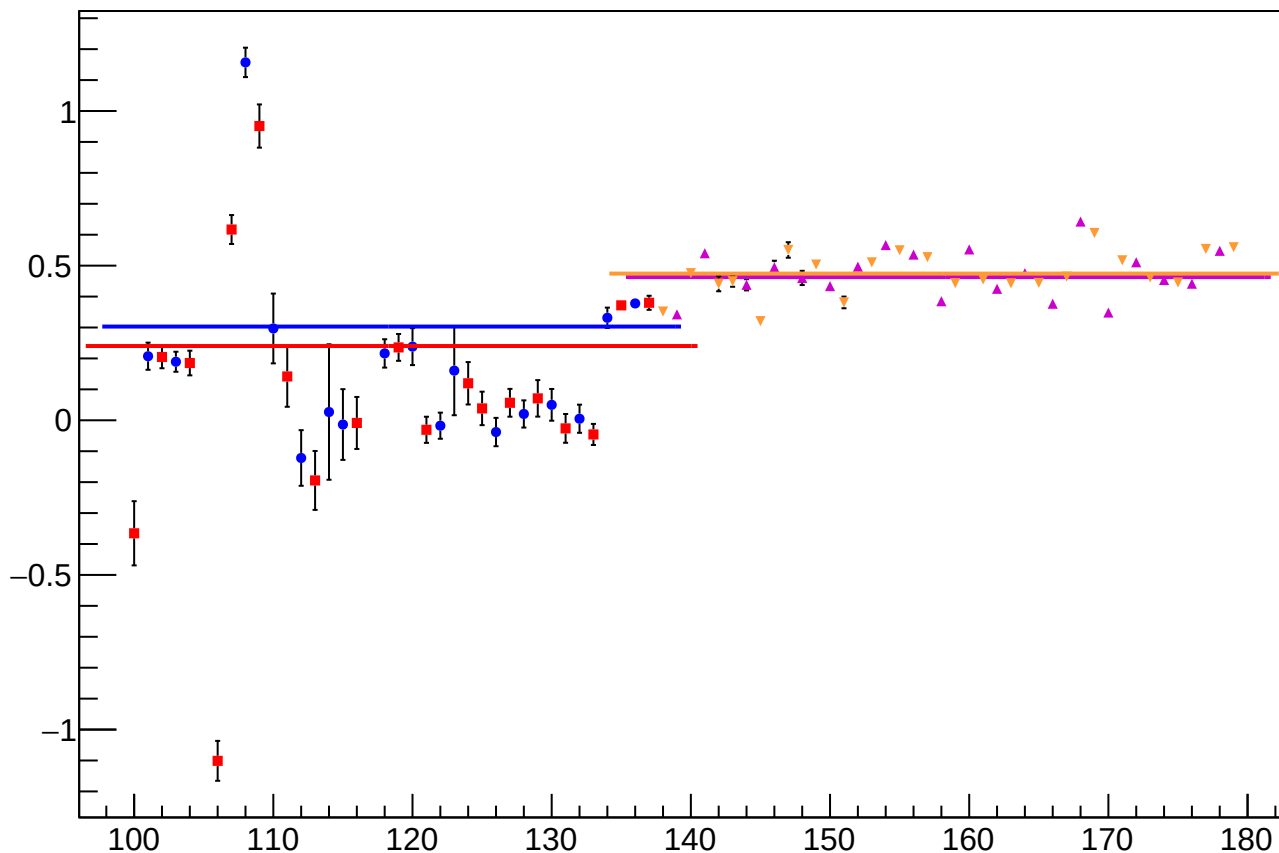
Left In: 11.076+/-0.069 χ^2/NDF : 3239.4/19

+ sign 11.043+/-0.061 χ^2/NDF : 6162.1/38

All: 11.010+/-0.044 χ^2/NDF : 13242.8/77

- sign 10.975+/-0.063 χ^2/NDF : 7080.0/38

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

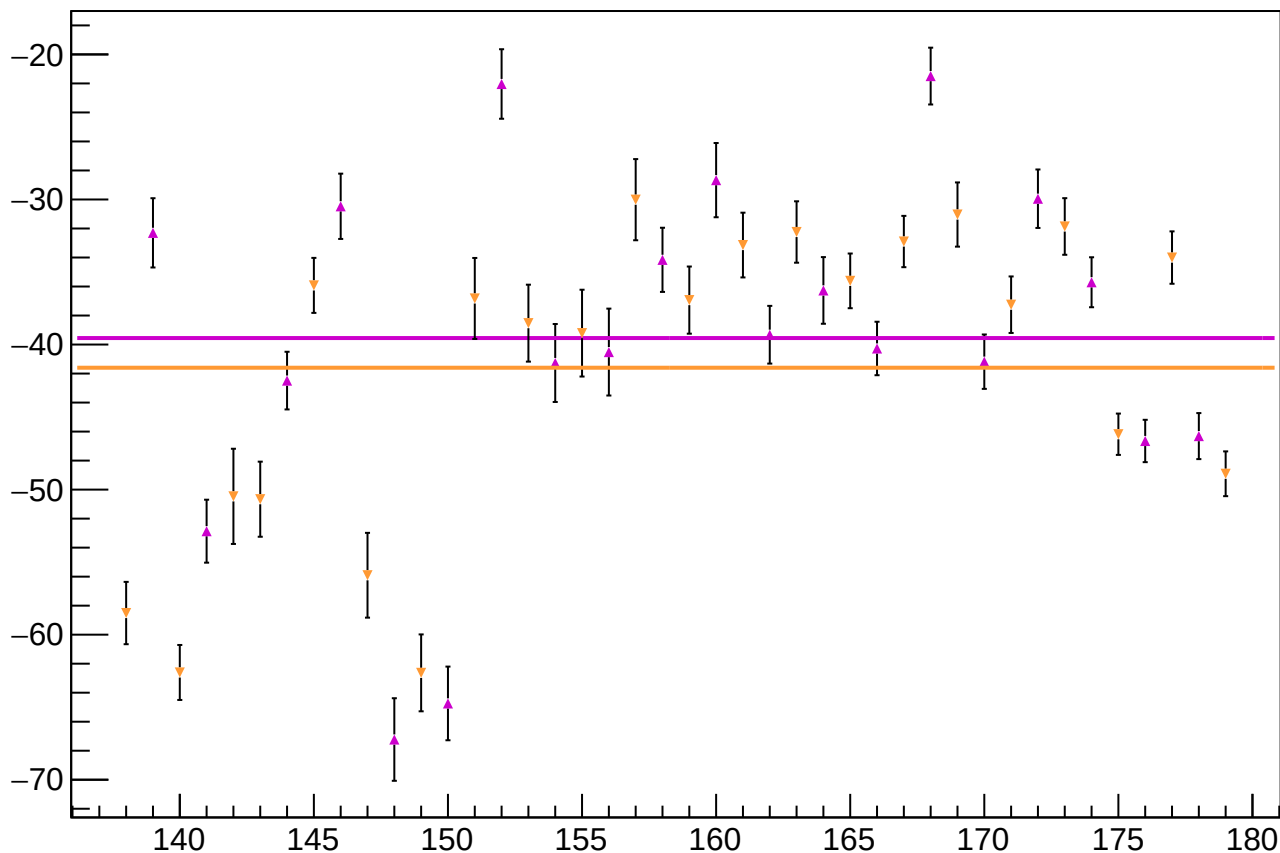
Left In: 0.463 $\pm$ 0.003 χ^2 /NDF: 707.7/19

+ sign 0.454 $\pm$ 0.003 χ^2 /NDF: 1526.2/38

All: 0.446 $\pm$ 0.002 χ^2 /NDF: 3842.2/77

- sign 0.438 $\pm$ 0.003 χ^2 /NDF: 2299.3/38

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

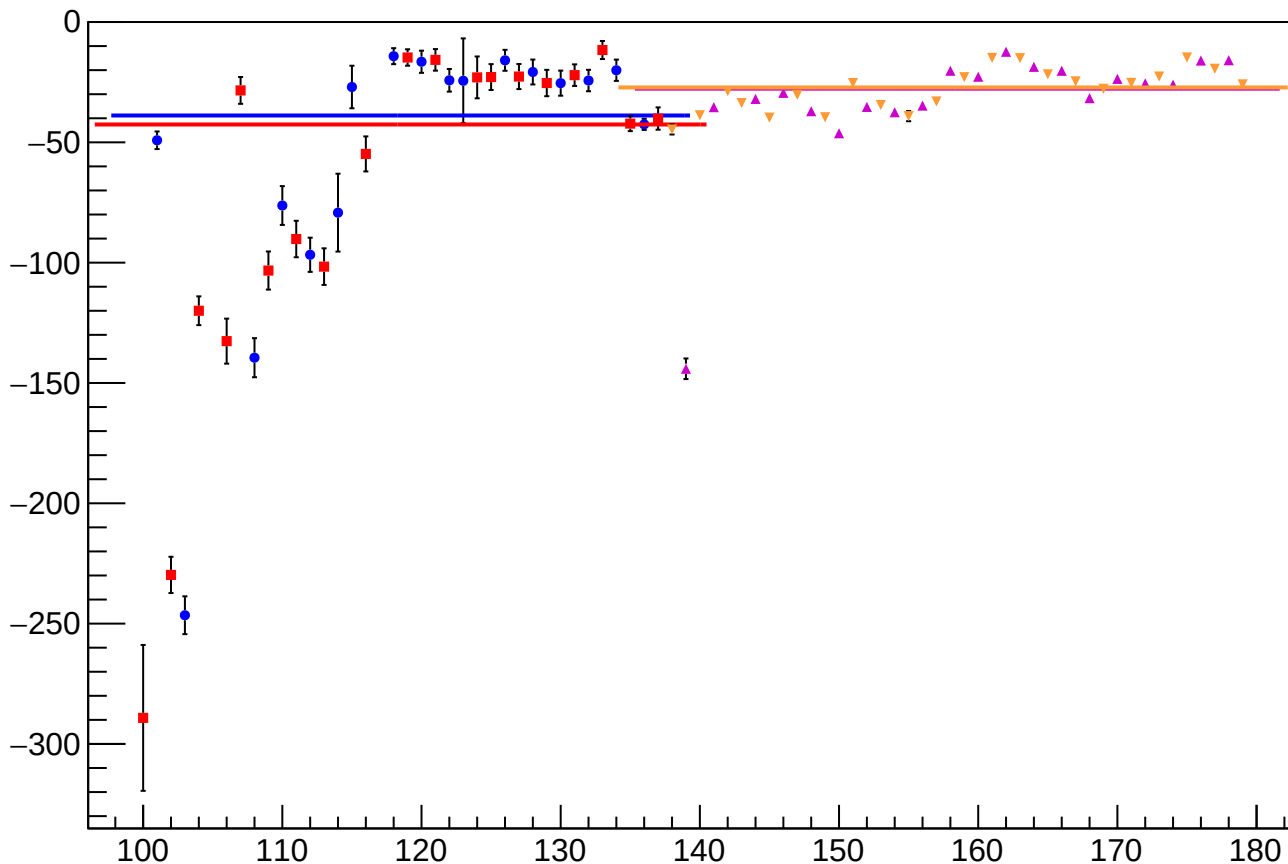
Left In: -39.552+/-0.465 χ^2/NDF : 493.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.609+/-0.323 χ^2/NDF : 1001.4/41

- 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

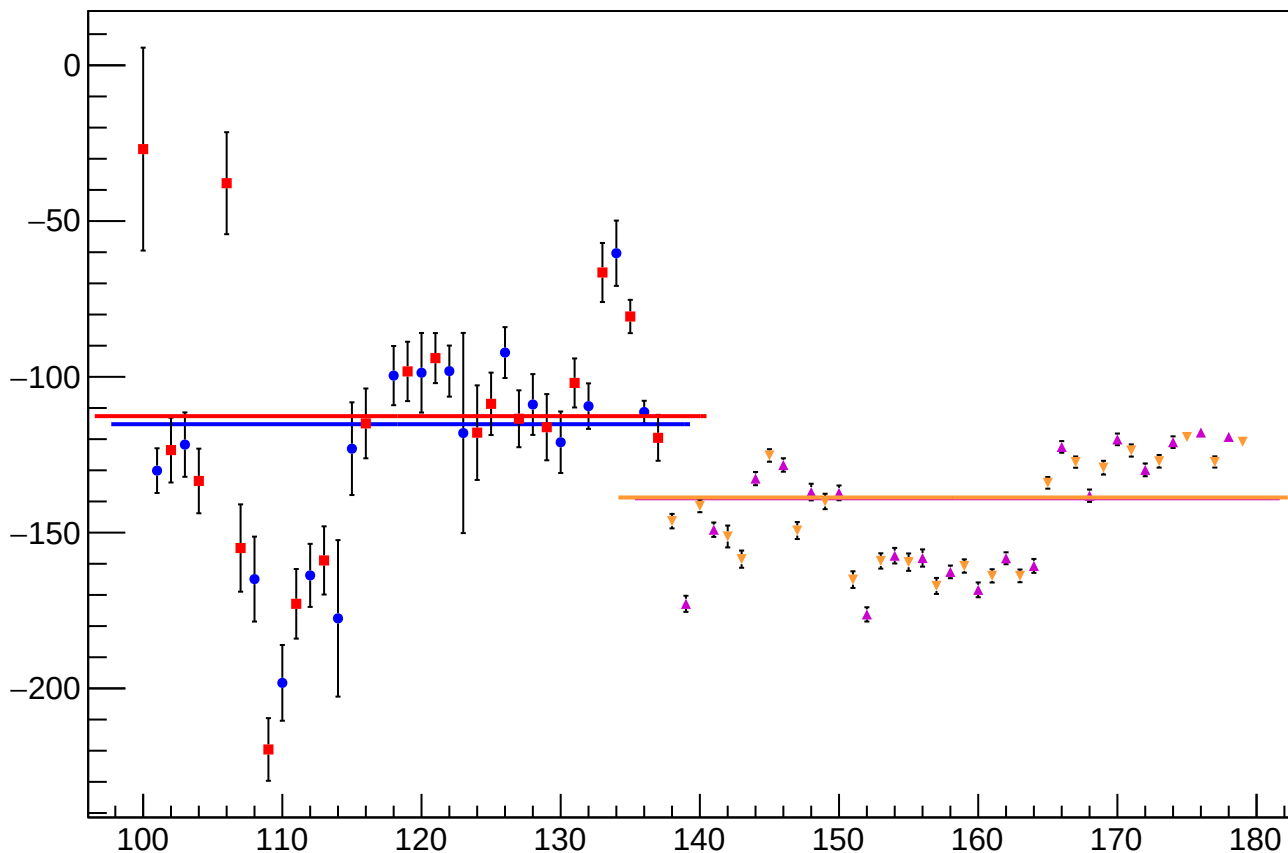
Left In: -27.699 ± 0.359 χ^2/NDF : 1323.7/19

+ sign -28.156 ± 0.330 χ^2/NDF : 1800.0/38

All: -28.513 ± 0.238 χ^2/NDF : 4611.0/77

- sign -28.901 ± 0.344 χ^2/NDF : 2808.5/38

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 $\chi^2/\text{NDF}: 272.4/18$

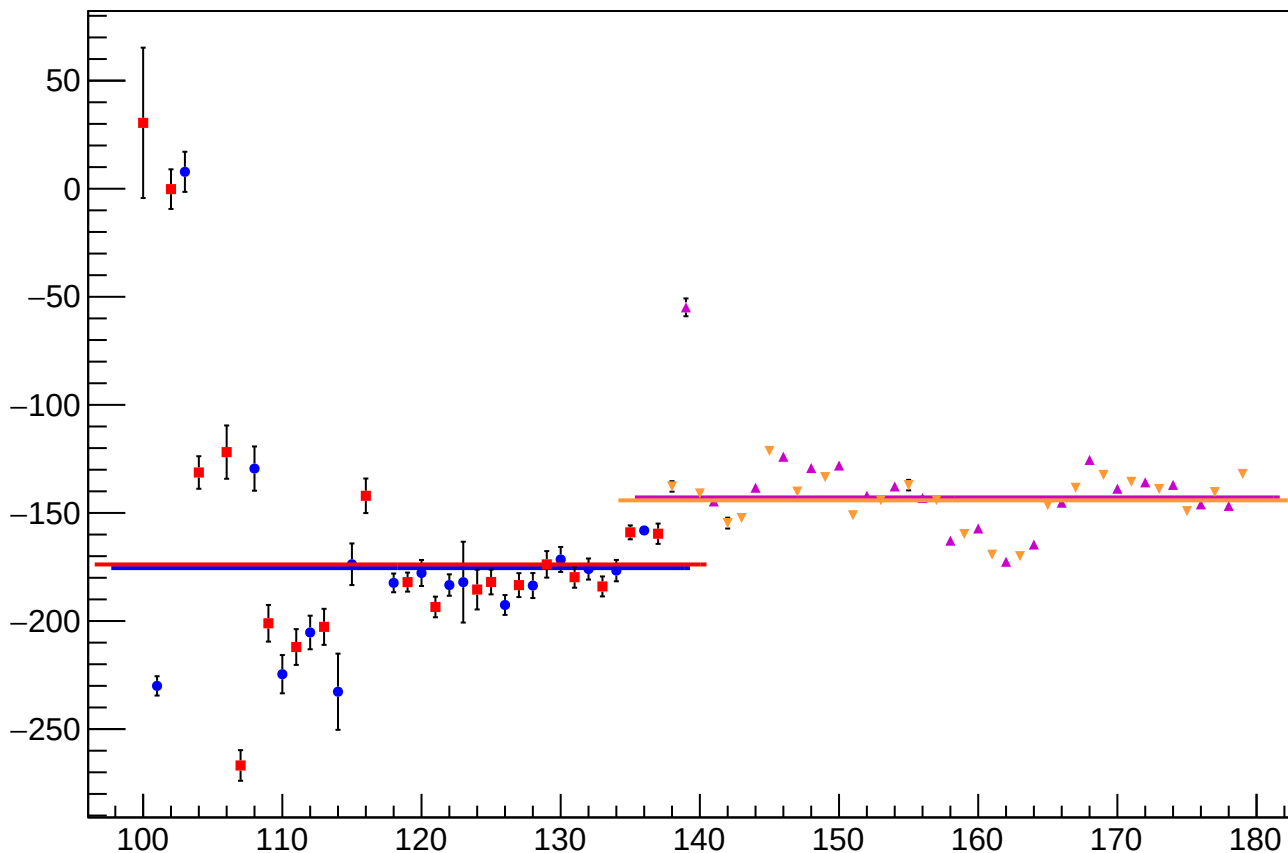
Left In: -138.977 ± 0.462 $\chi^2/\text{NDF}: 1734.4/19$

+ sign -137.677 ± 0.438 $\chi^2/\text{NDF}: 1658.7/38$

All: -137.772 ± 0.315 $\chi^2/\text{NDF}: 3802.1/77$

- sign -137.873 ± 0.452 $\chi^2/\text{NDF}: 2143.3/38$

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

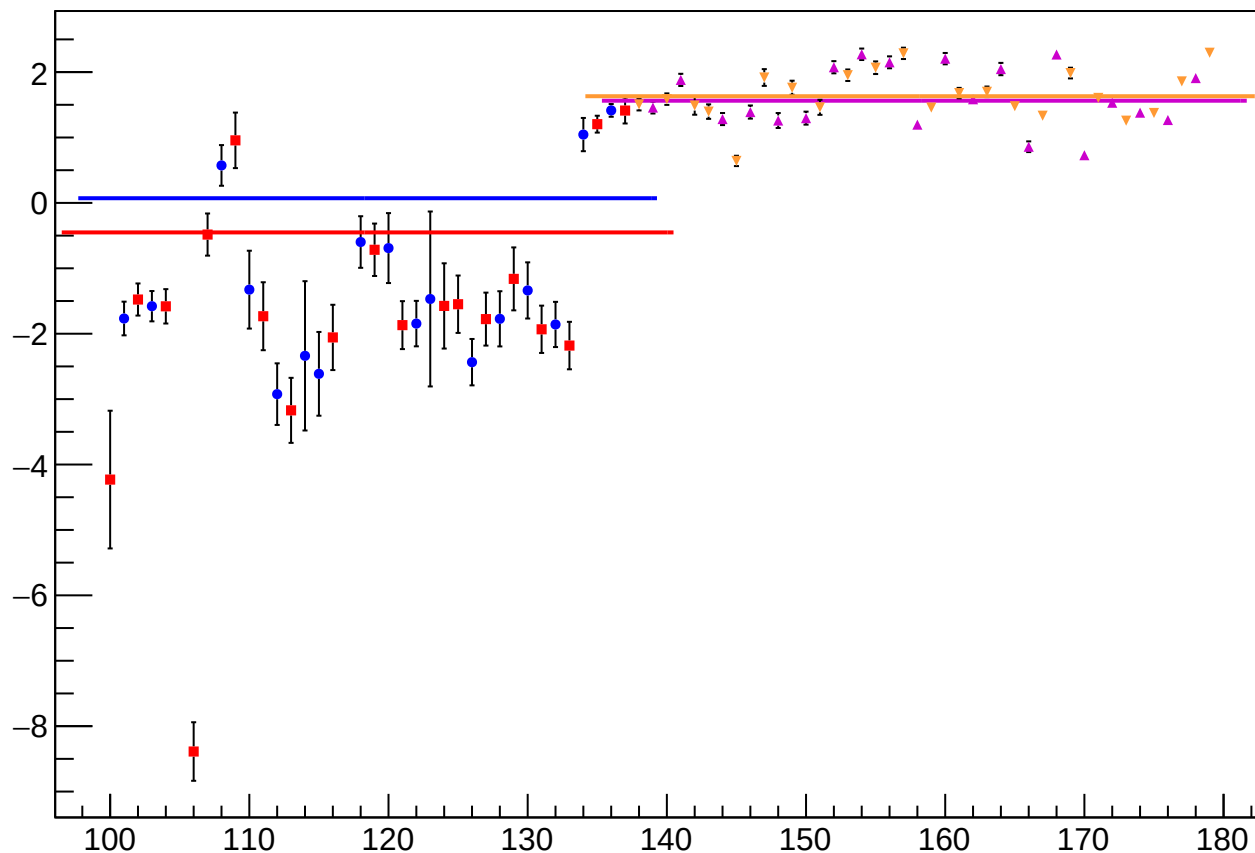
Left In: -142.826 ± 0.404 χ^2/NDF : 1477.0/19

+ sign -146.830 ± 0.372 χ^2/NDF : 2228.6/38

All: -146.118 ± 0.268 χ^2/NDF : 4931.0/77

- sign -145.348 ± 0.387 χ^2/NDF : 2694.7/38

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.631 ± 0.018 χ^2/NDF : 448.5/21

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

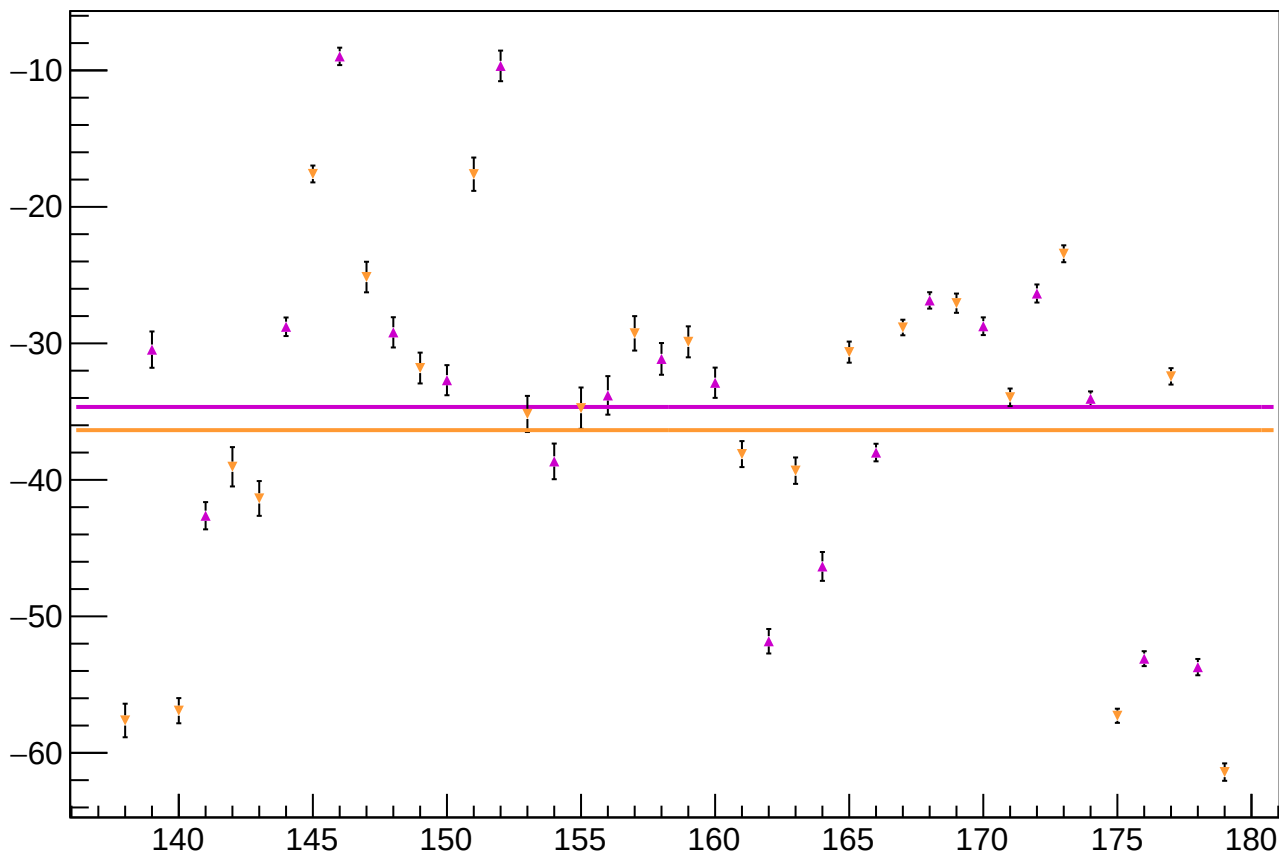
Left In: 1.562 ± 0.018 χ^2/NDF : 644.4/19

+ sign 1.528 ± 0.017 χ^2/NDF : 1477.5/38

All: 1.484 ± 0.012 χ^2/NDF : 3634.2/77

- sign 1.438 ± 0.018 χ^2/NDF : 2143.5/38

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

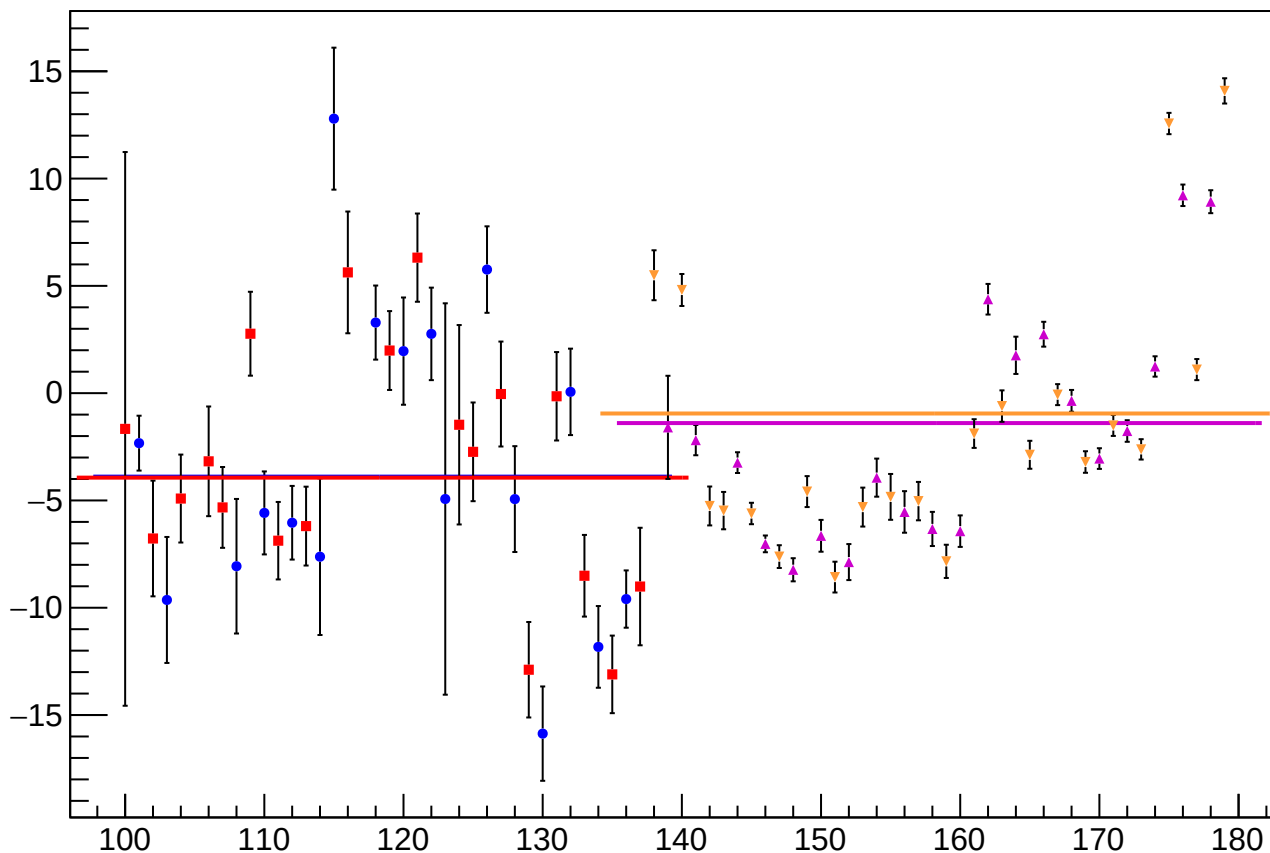
Left In: -34.658+/-0.174 χ^2/NDF : 5393.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -35.511+/-0.123 χ^2/NDF : 11670.6/41

- 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 χ^2/NDF : 160.5/16

Left Out: -0.948 ± 0.134 χ^2/NDF : 2118.5/21

Right Out: -3.937 ± 0.507 χ^2/NDF : 122.2/18

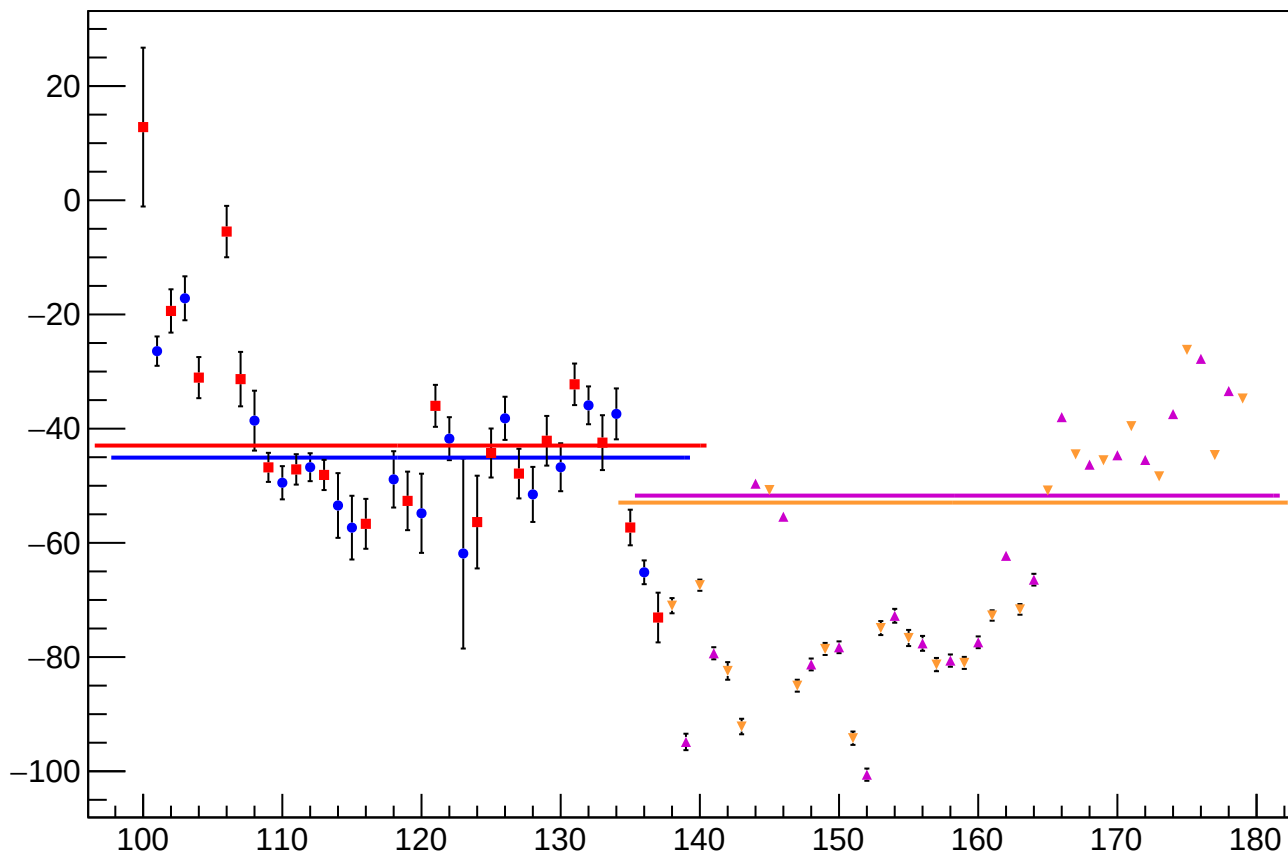
Left In: -1.394 ± 0.134 χ^2/NDF : 1605.4/19

+ sign -1.146 ± 0.129 χ^2/NDF : 2311.5/38

All: -1.353 ± 0.091 χ^2/NDF : 4067.7/77

- sign -1.560 ± 0.129 χ^2/NDF : 1751.1/38

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -52.948 ± 0.174 χ^2/NDF : 11641.7/21

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

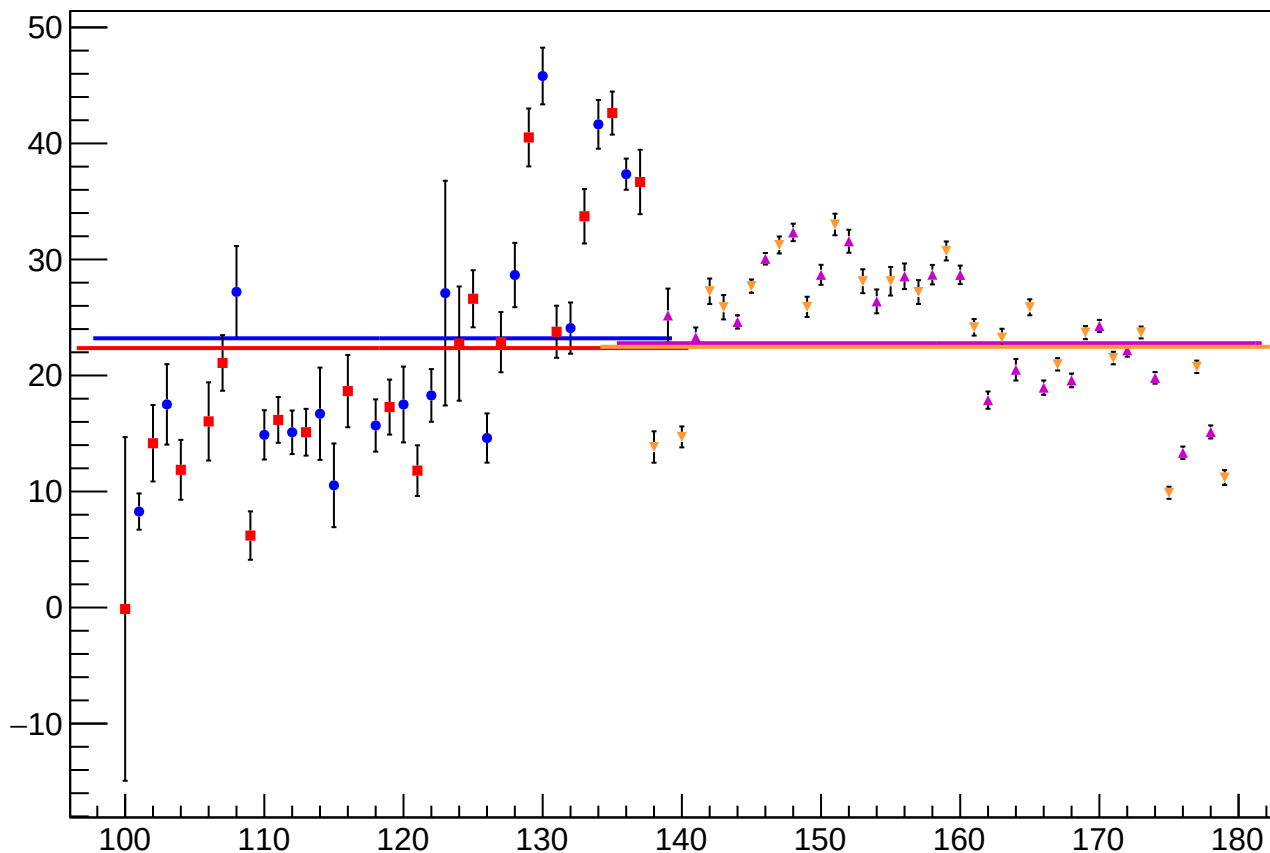
Left In: -51.724 ± 0.175 χ^2/NDF : 11790.3/19

+ sign -52.653 ± 0.171 χ^2/NDF : 11947.9/38

All: -52.024 ± 0.121 χ^2/NDF : 24109.8/77

- sign -51.390 ± 0.171 χ^2/NDF : 12134.6/38

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

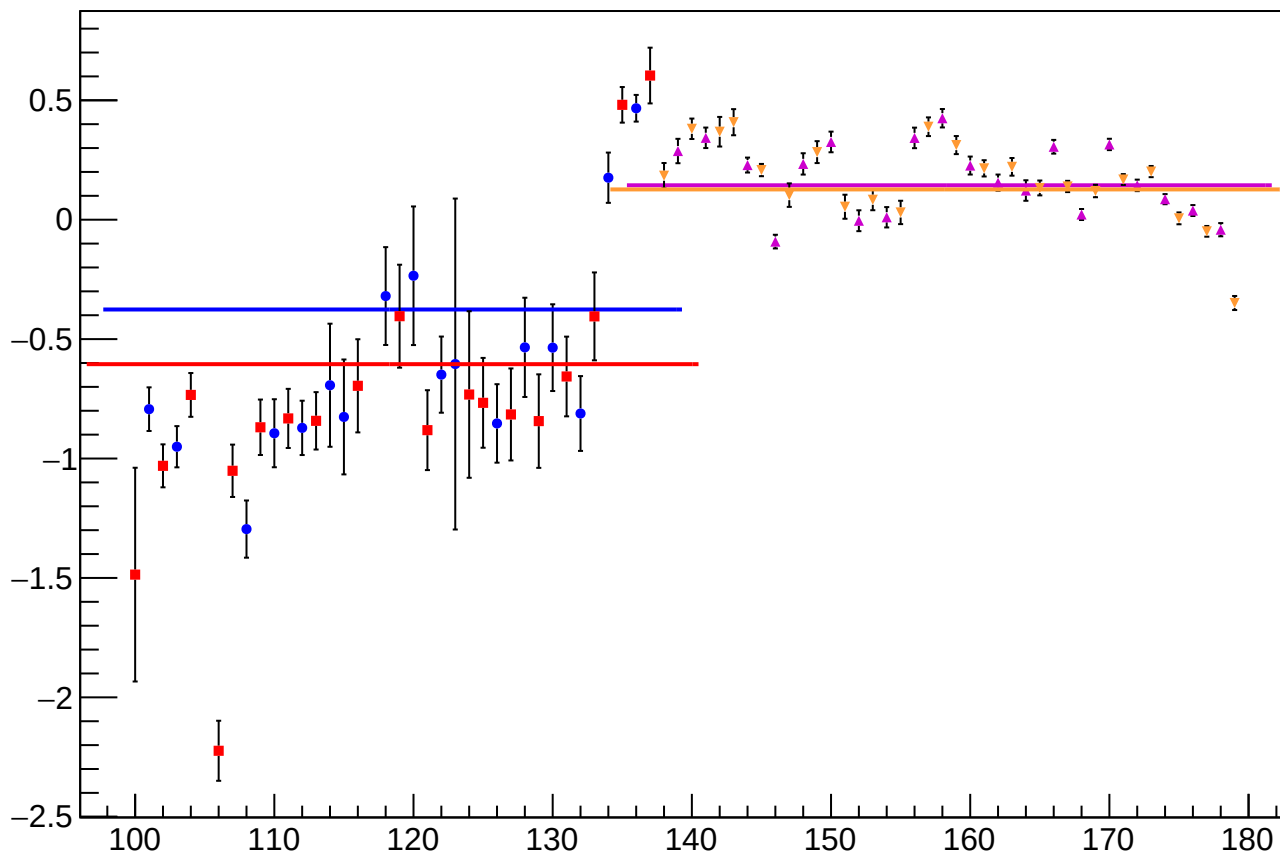
Left In: 22.782 $\pm$ 0.152 χ^2 /NDF:1311.0/19

+ sign 22.522 $\pm$ 0.145 χ^2 /NDF: 2098.7/38

All: 22.637 $\pm$ 0.103 χ^2 /NDF: 3778.4/77

- sign 22.754 $\pm$ 0.147 χ^2 /NDF: 1678.4/38

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 $\chi^2/\text{NDF}: 551.1/18$

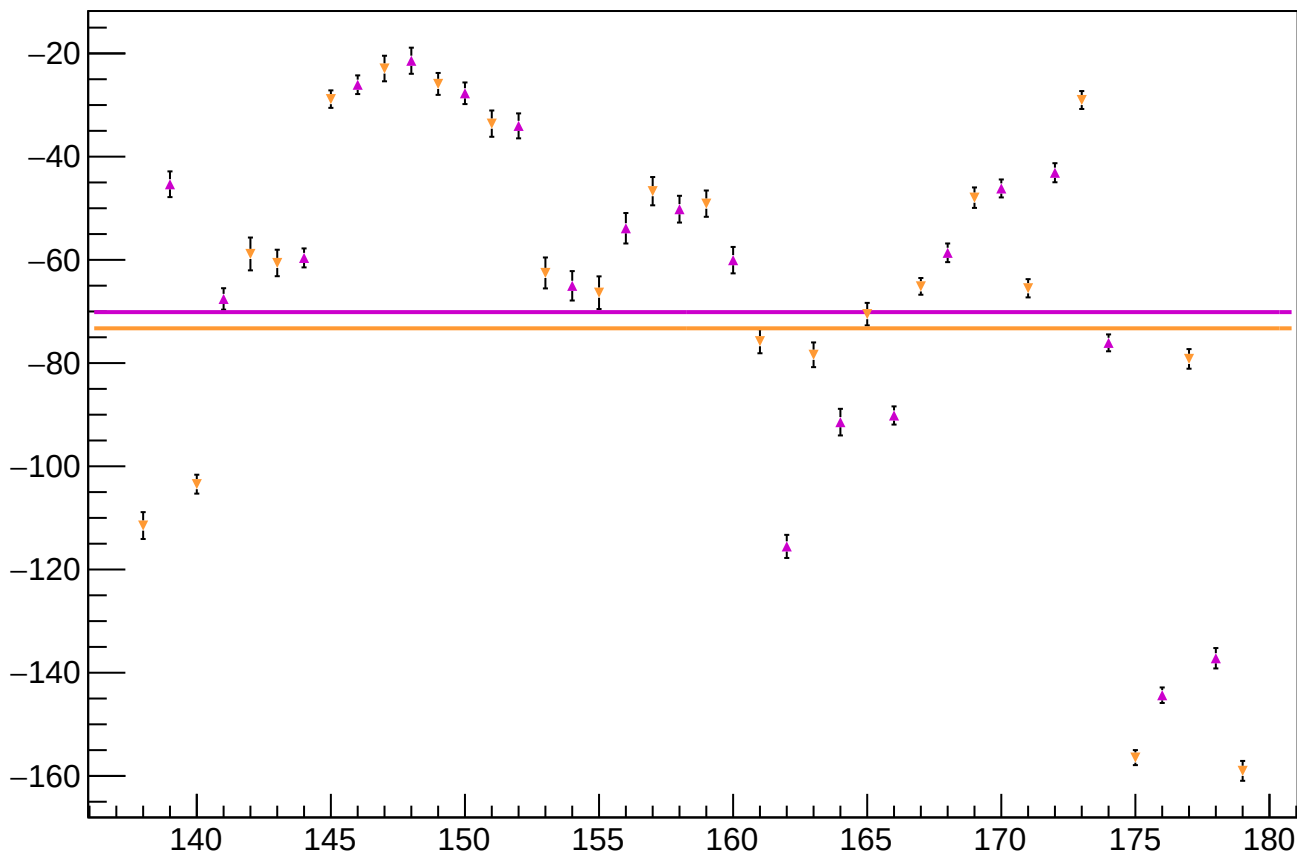
Left In: 0.144 ± 0.007 $\chi^2/\text{NDF}: 412.2/19$

+ sign 0.102 ± 0.007 $\chi^2/\text{NDF}: 1251.1/38$

All: 0.104 ± 0.005 $\chi^2/\text{NDF}: 2797.8/77$

- sign 0.106 ± 0.007 $\chi^2/\text{NDF}: 1546.5/38$

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

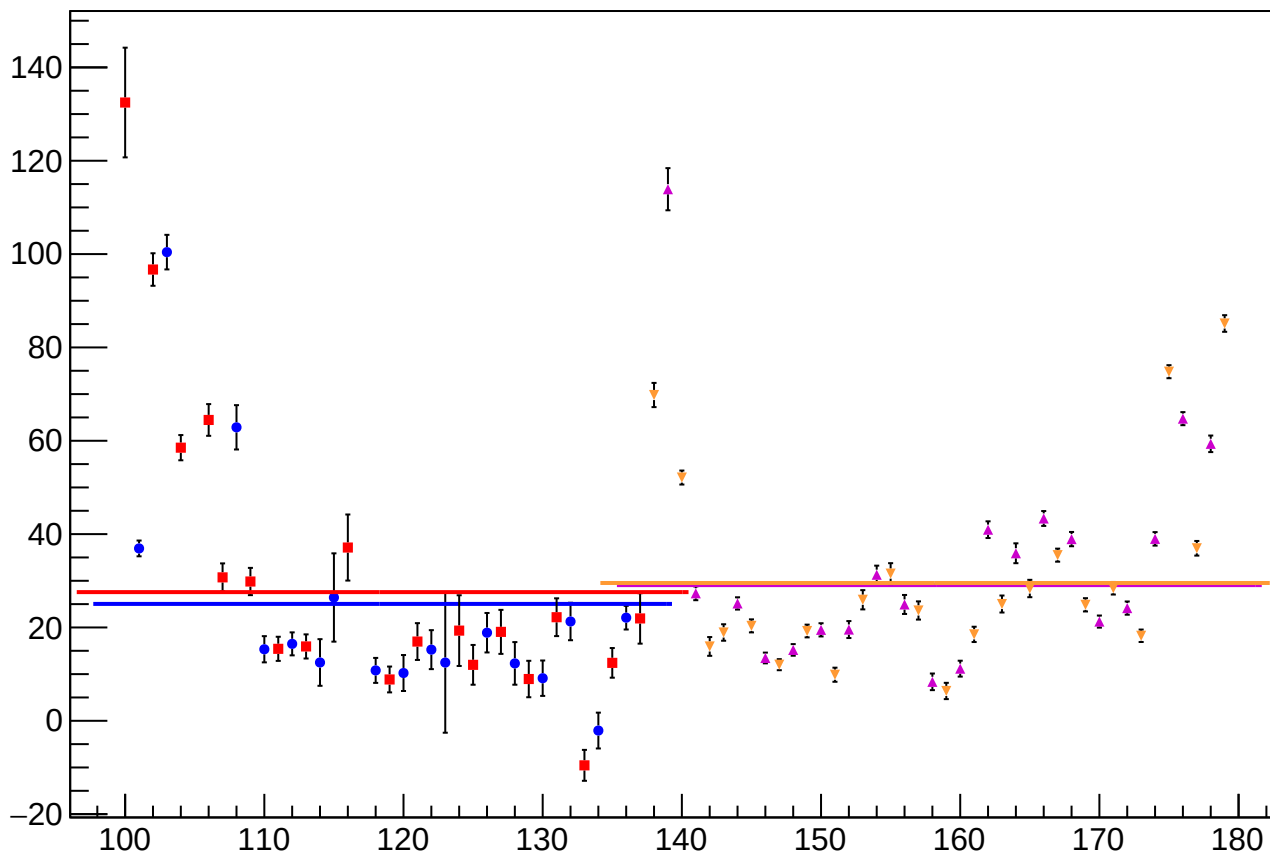
Left In: -70.125+/-0.458 χ^2/NDF : 6486.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -71.726+/-0.321 χ^2/NDF : 15207.7/41

- 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

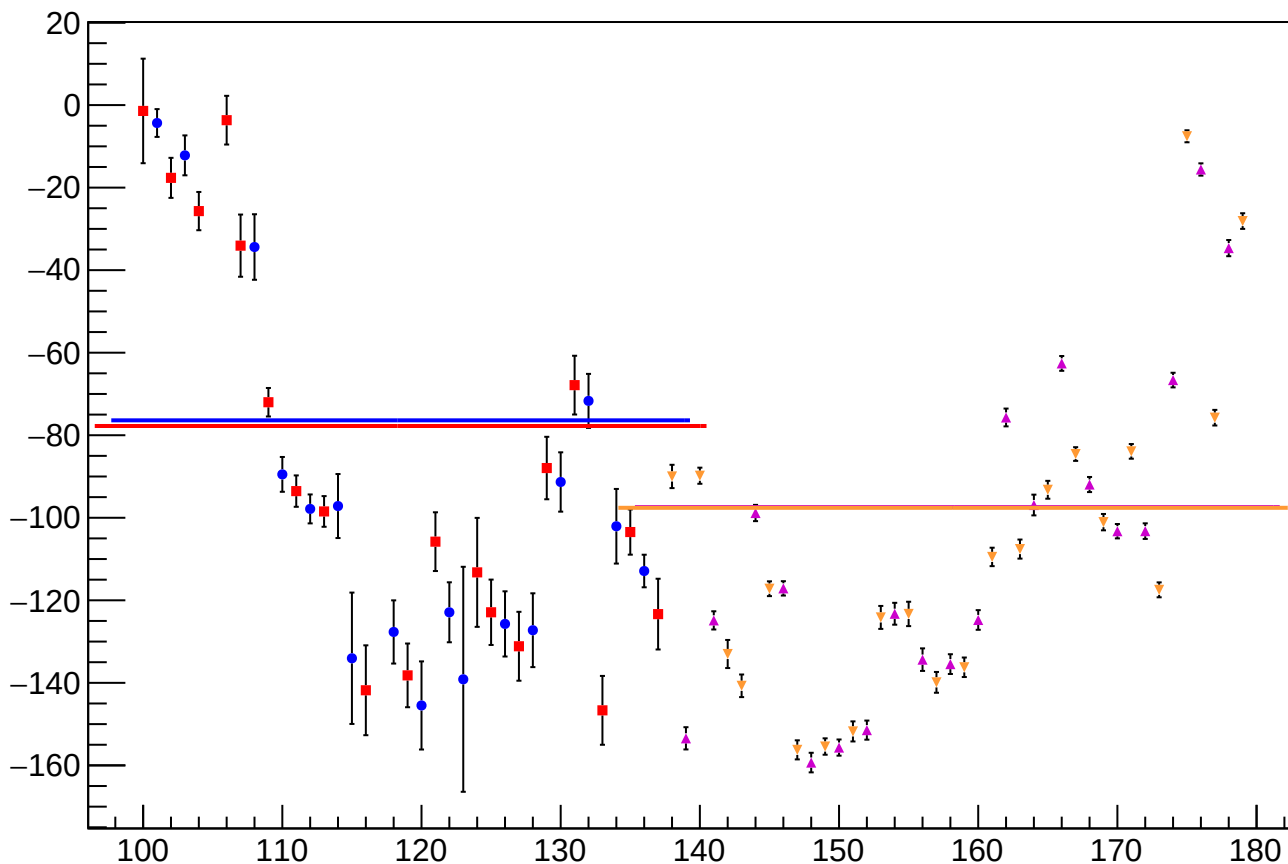
Left In: 29.075 $\pm$ 0.349 χ^2 /NDF: 2207.6/19

+ sign 28.857 $\pm$ 0.312 χ^2 /NDF: 4137.4/38

All: 28.849 $\pm$ 0.224 χ^2 /NDF: 7360.7/77

- sign 28.840 $\pm$ 0.321 χ^2 /NDF: 3223.3/38

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -97.584 ± 0.448 $\chi^2/\text{NDF}: 8798.5/21$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

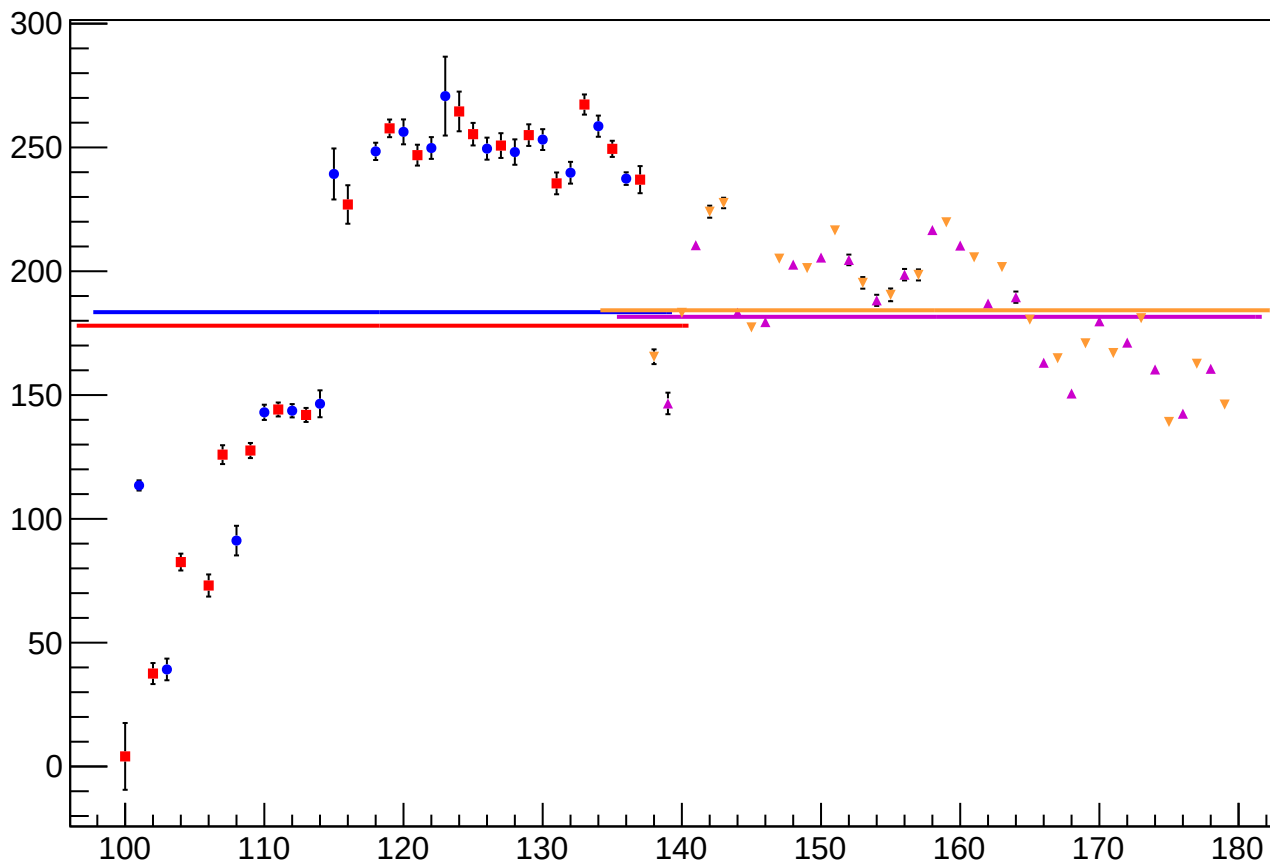
Left In: -97.411 ± 0.456 $\chi^2/\text{NDF}: 8335.5/19$

+ sign -95.655 ± 0.427 $\chi^2/\text{NDF}: 10034.0/38$

All: -95.531 ± 0.304 $\chi^2/\text{NDF}: 19431.8/77$

- sign -95.404 ± 0.432 $\chi^2/\text{NDF}: 9397.6/38$

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

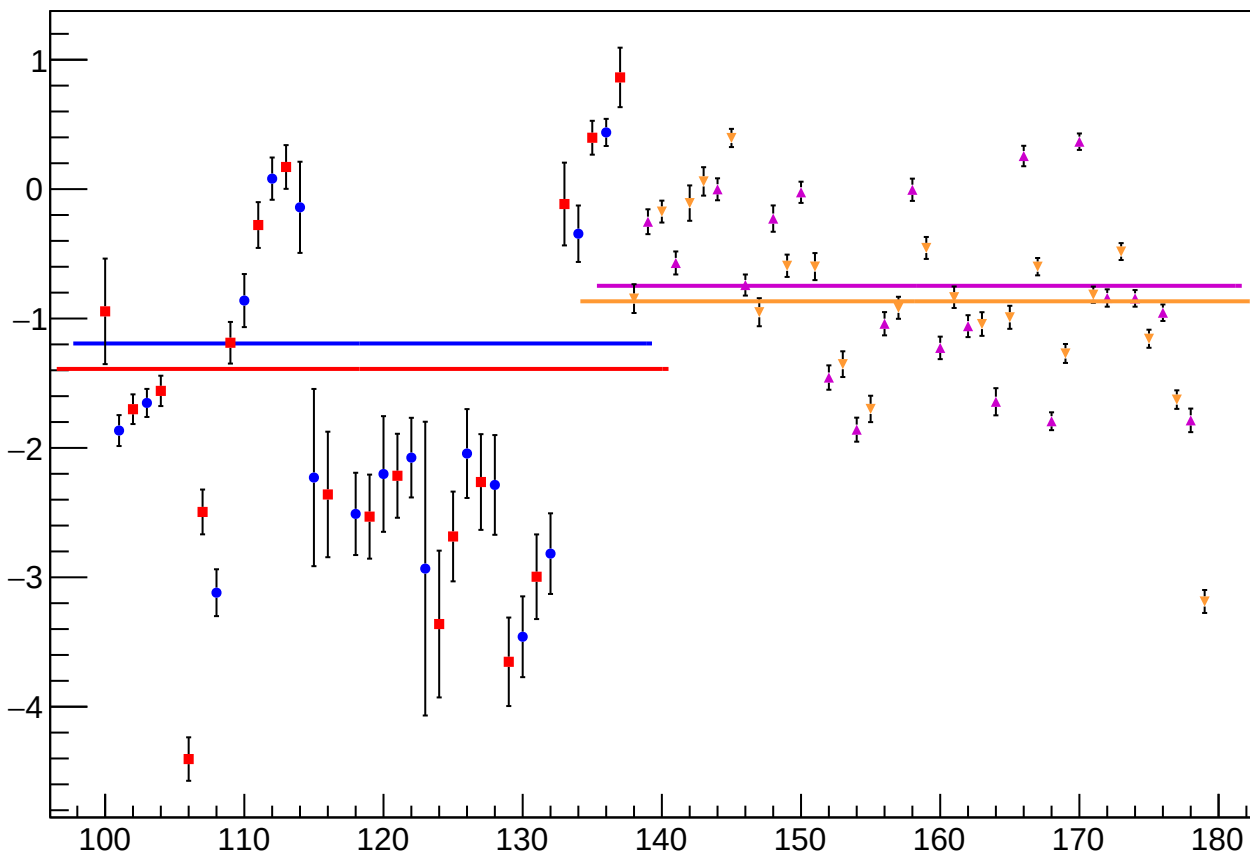
Left In: 181.593 $\pm$ 0.396 χ^2 /NDF: 2948.4/19

+ sign 184.122 $\pm$ 0.356 χ^2 /NDF: 9155.3/38

All: 182.616 $\pm$ 0.254 χ^2 /NDF: 18498.8/77

- sign 181.037 $\pm$ 0.364 χ^2 /NDF: 9306.8/38

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

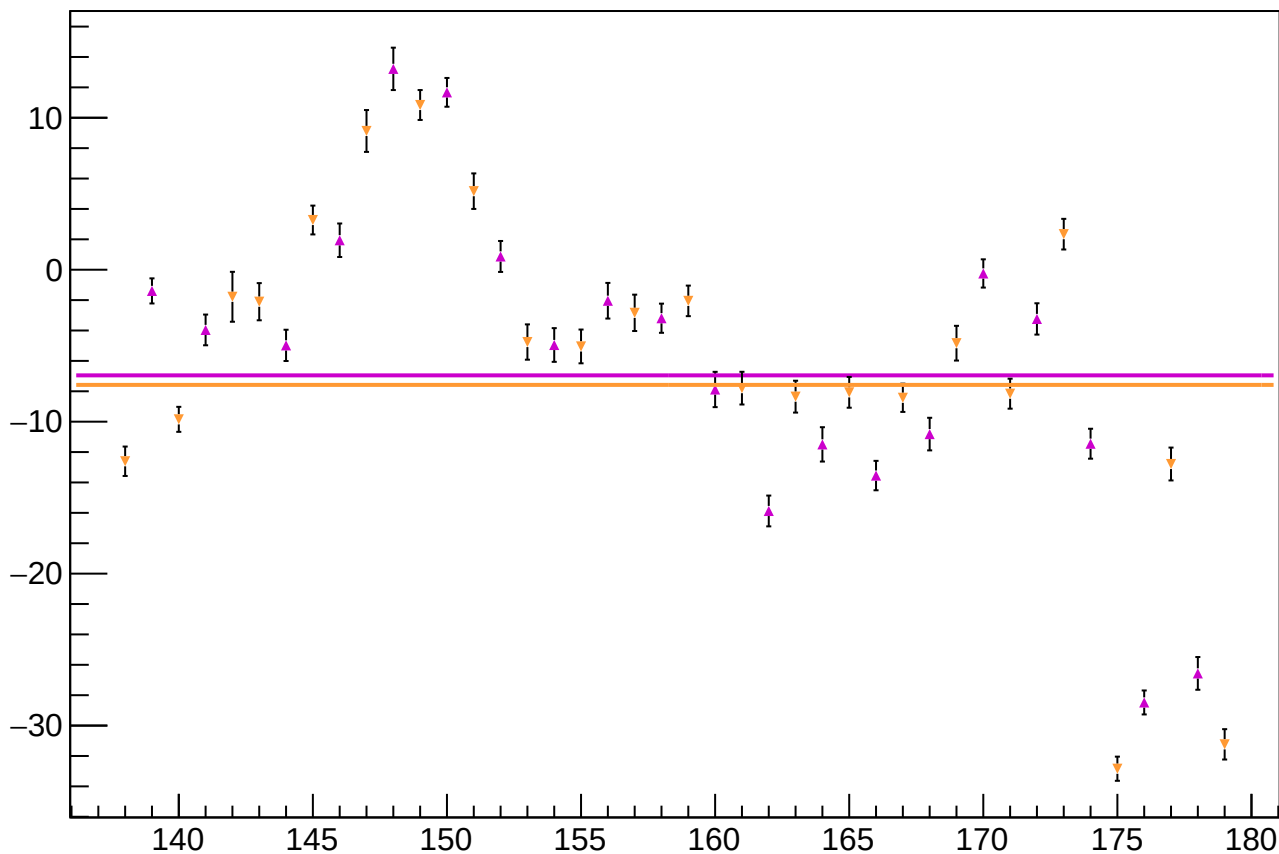
Left In: -0.747 ± 0.018 χ^2/NDF : 1457.4/19

+ sign -0.906 ± 0.017 χ^2/NDF : 2185.1/38

All: -0.870 ± 0.012 χ^2/NDF : 4742.5/77

- sign -0.833 ± 0.017 χ^2/NDF : 2548.1/38

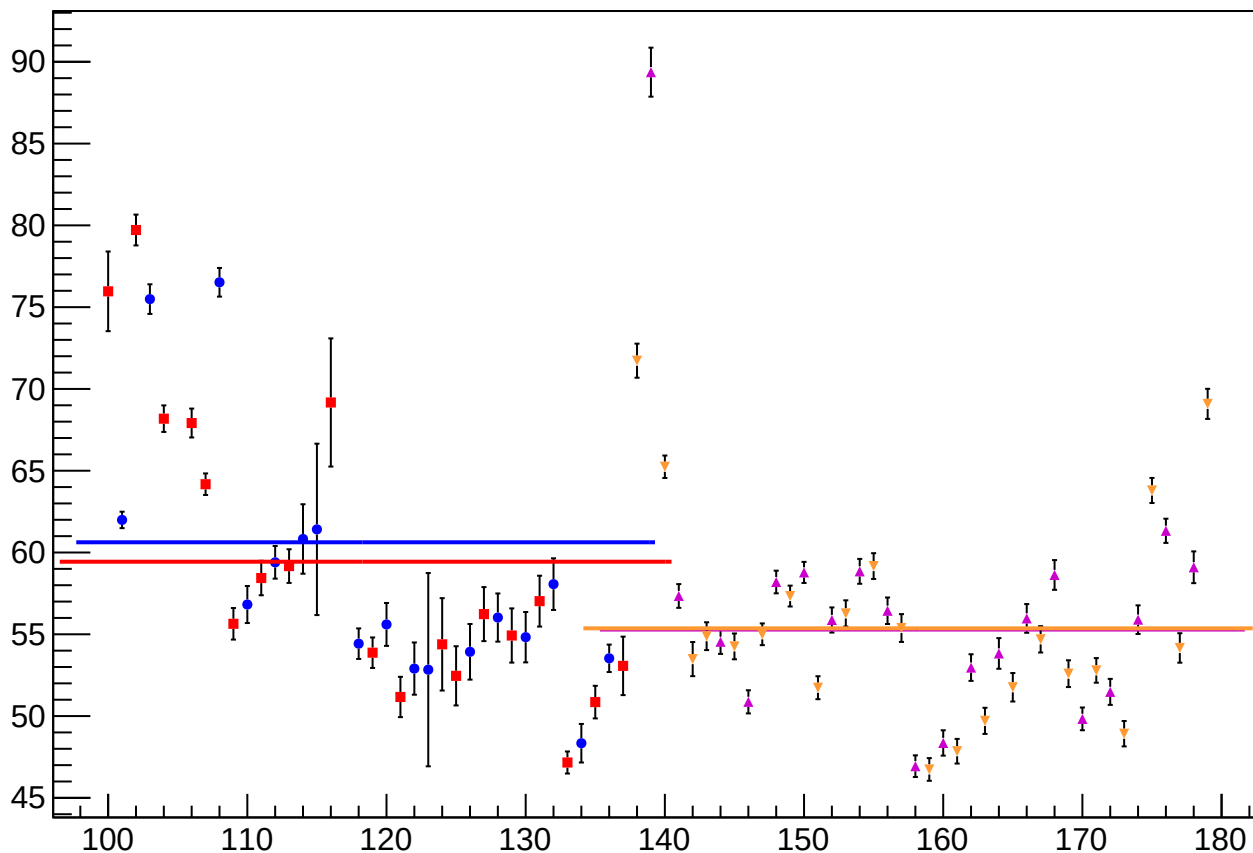
reg_asym_sam5_diff_bpm1X_slope vs Slug



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: -6.952+/-0.227 χ^2/NDF : 2129.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -7.273+/-0.159 χ^2/NDF : 4702.4/41
 - 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

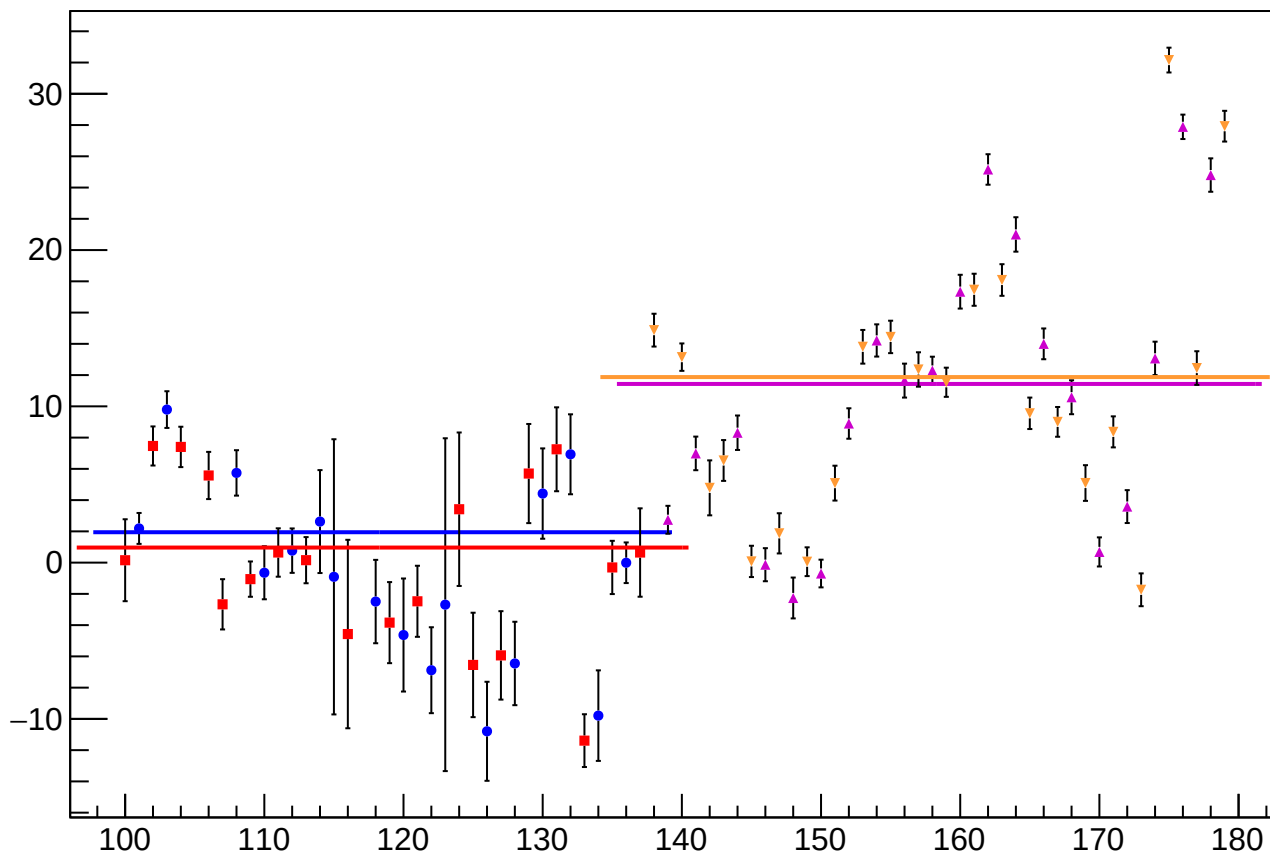
Left In: 55.290 $\pm$ 0.175 χ^2 /NDF:1067.5/19

+ sign 56.885 $\pm$ 0.141 χ^2 /NDF: 2488.6/38

All: 56.780 $\pm$ 0.101 χ^2 /NDF: 5067.3/77

- sign 56.673 $\pm$ 0.143 χ^2 /NDF: 2577.7/38

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

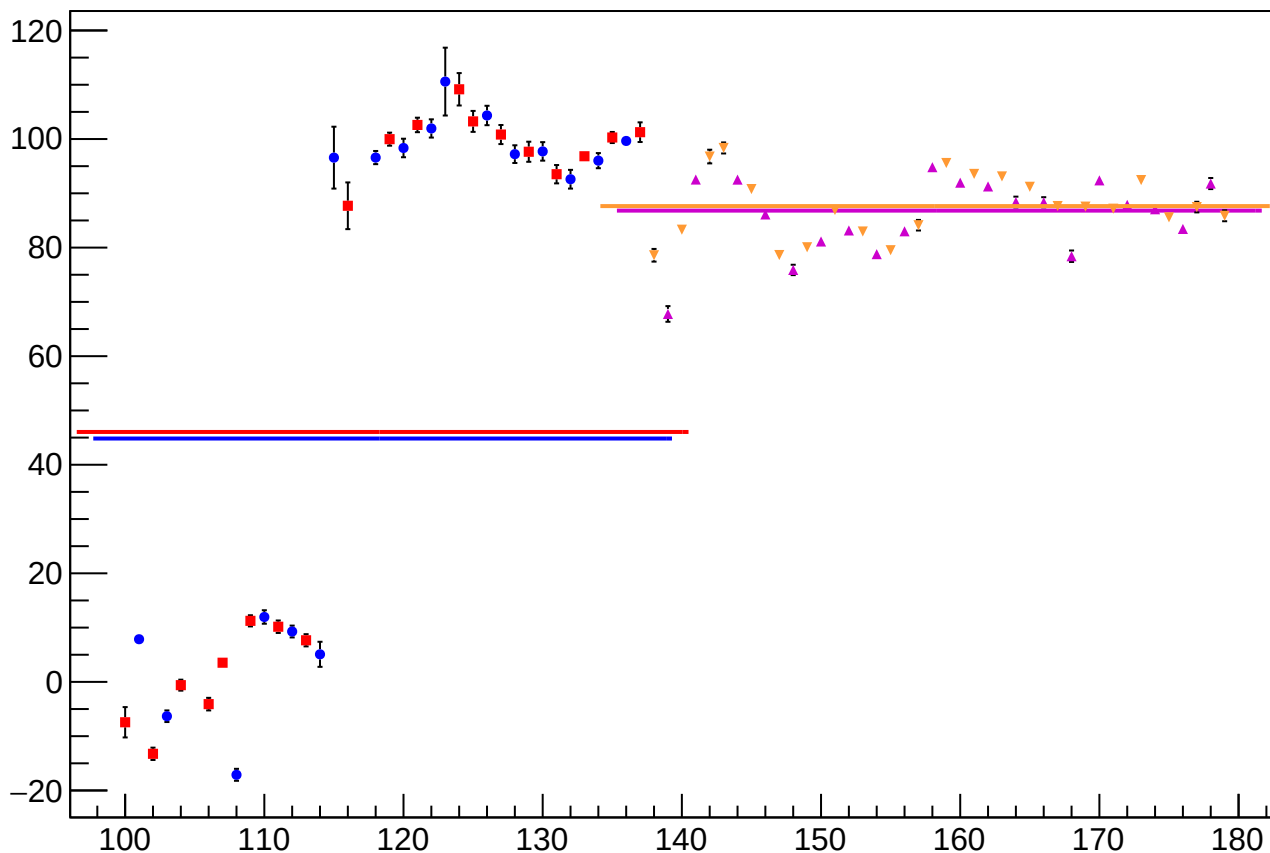
Left In: 11.433 ± 0.224 χ^2/NDF : 1653.5/19

+ sign 10.017 ± 0.198 χ^2/NDF : 2172.7/38

All: 9.581 ± 0.140 χ^2/NDF : 4461.0/77

- sign 9.146 ± 0.198 χ^2/NDF : 2278.7/38

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

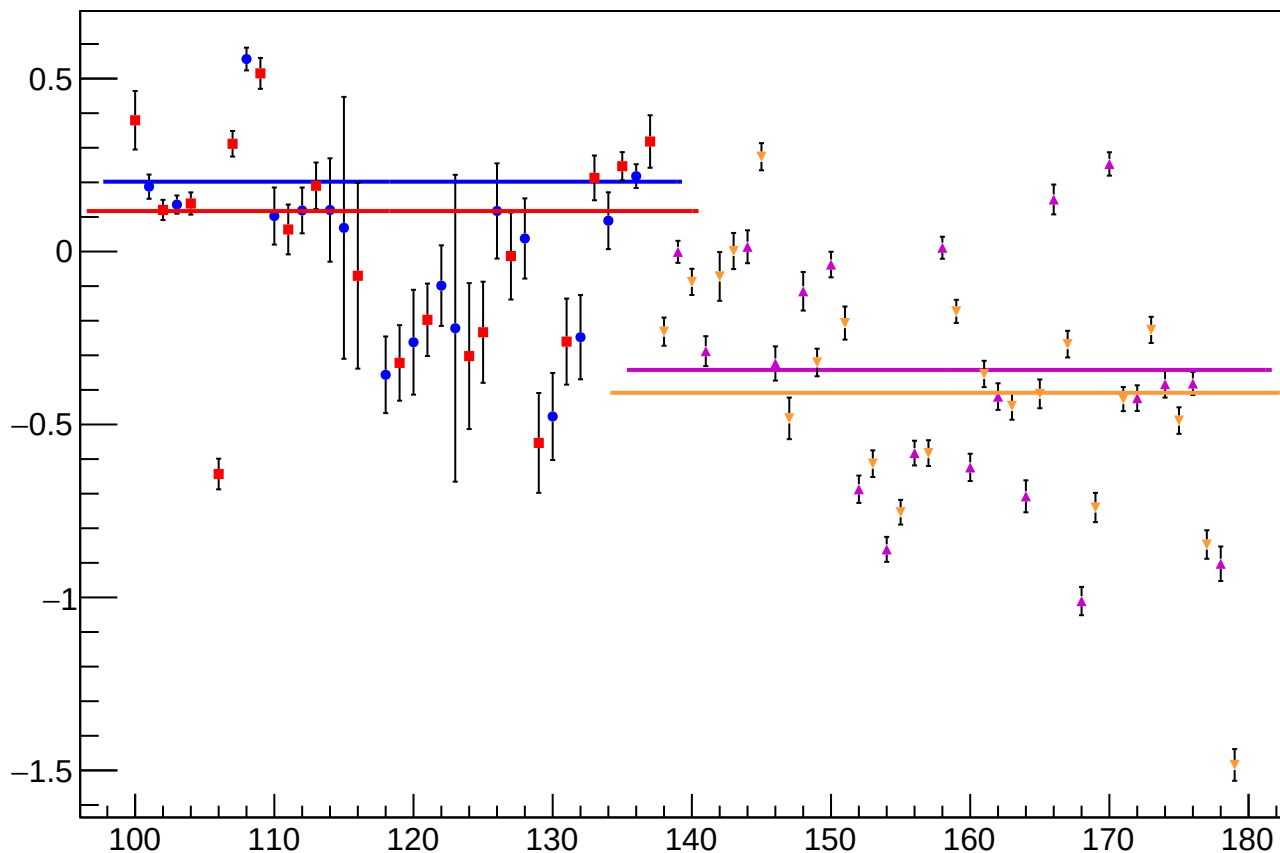
Left In: 86.814 $\pm$ 0.197 χ^2 /NDF:929.4/19

+ sign 75.636 $\pm$ 0.161 χ^2 /NDF: 39829.6/38

All: 74.770 $\pm$ 0.115 χ^2 /NDF: 82630.7/77

- sign 73.887 $\pm$ 0.163 χ^2 /NDF: 42743.0/38

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

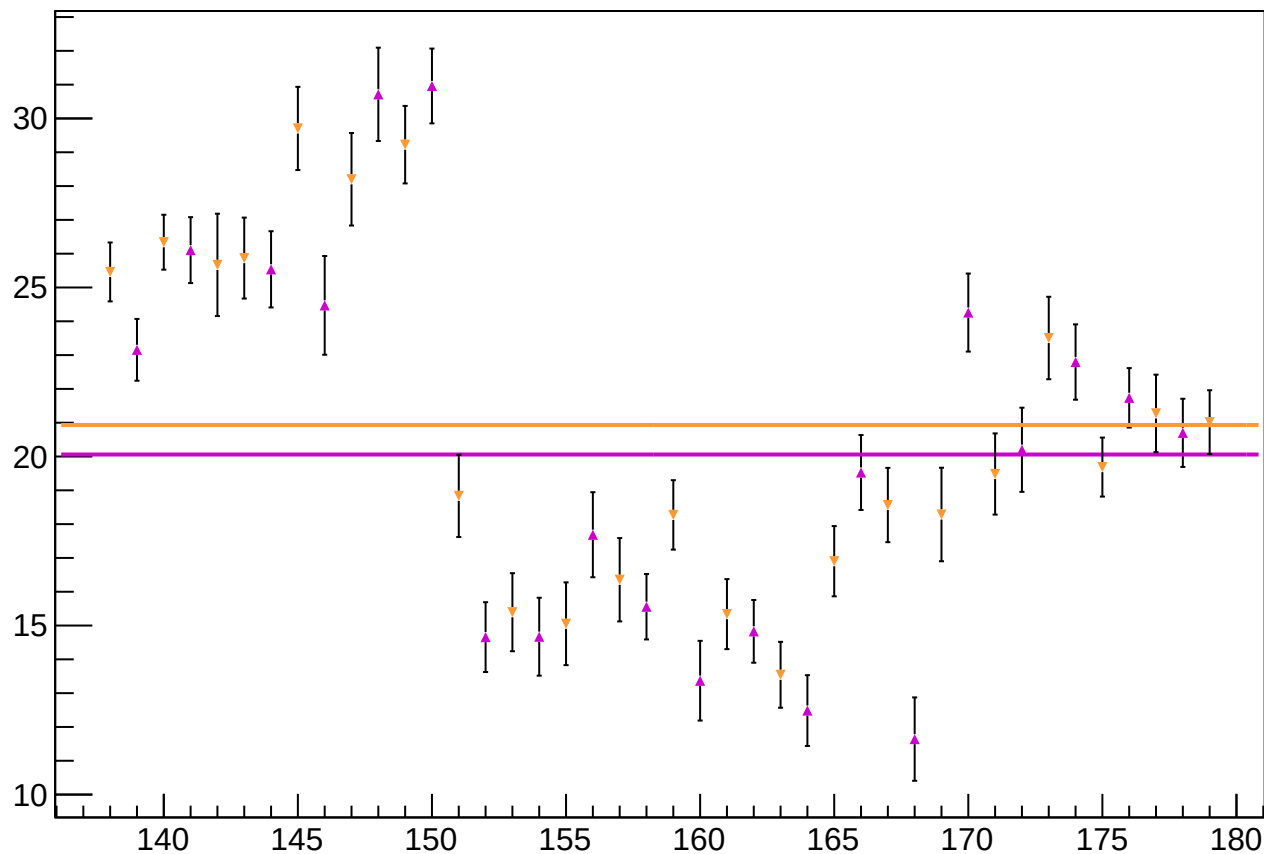
Left In: -0.342 ± 0.009 χ^2/NDF : 1665.7/19

+ sign -0.240 ± 0.007 χ^2/NDF : 3047.5/38

All: -0.220 ± 0.005 χ^2/NDF : 6085.1/77

- sign -0.200 ± 0.007 χ^2/NDF : 3022.3/38

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

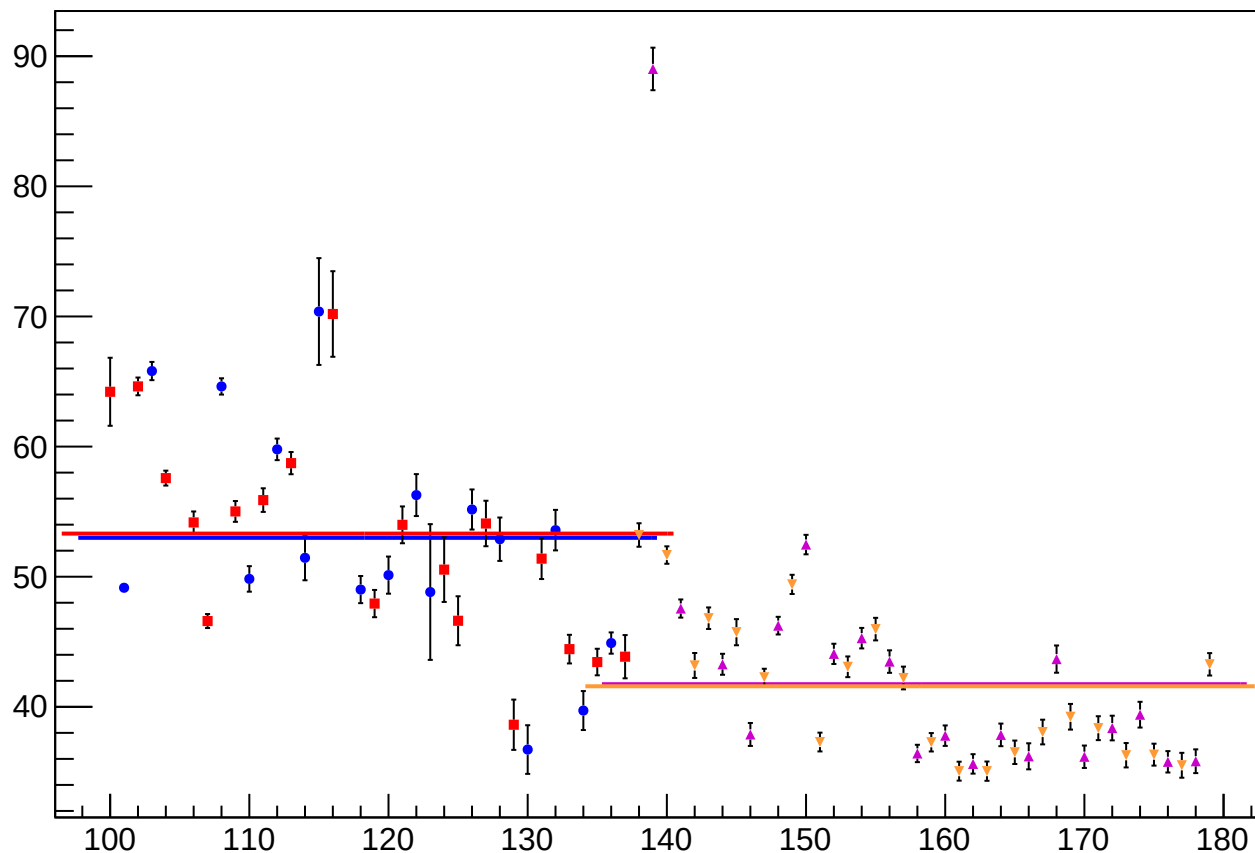
Left In: 20.059 +/- 0.243 χ^2/NDF : 500.2/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: 20.514 +/- 0.168 χ^2/NDF : 924.1/41

- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 41.581 $\pm$ 0.175 χ^2 /NDF:1003.9/21

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

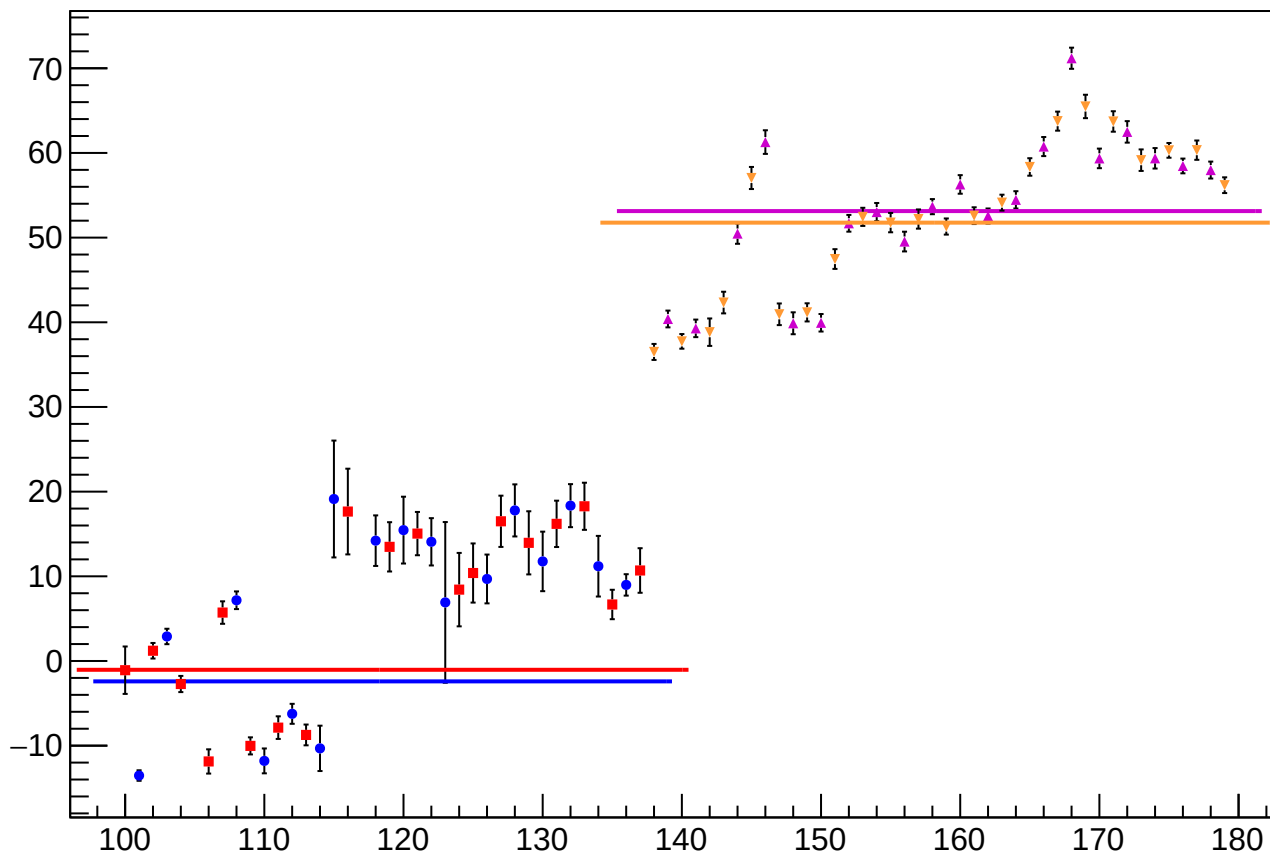
Left In: 41.740 $\pm$ 0.186 χ^2 /NDF:1576.8/19

+ sign 46.241 $\pm$ 0.135 χ^2 /NDF: 3932.8/38

All: 46.315 $\pm$ 0.098 χ^2 /NDF: 7943.0/77

- sign 46.399 $\pm$ 0.144 χ^2 /NDF: 4009.5/38

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

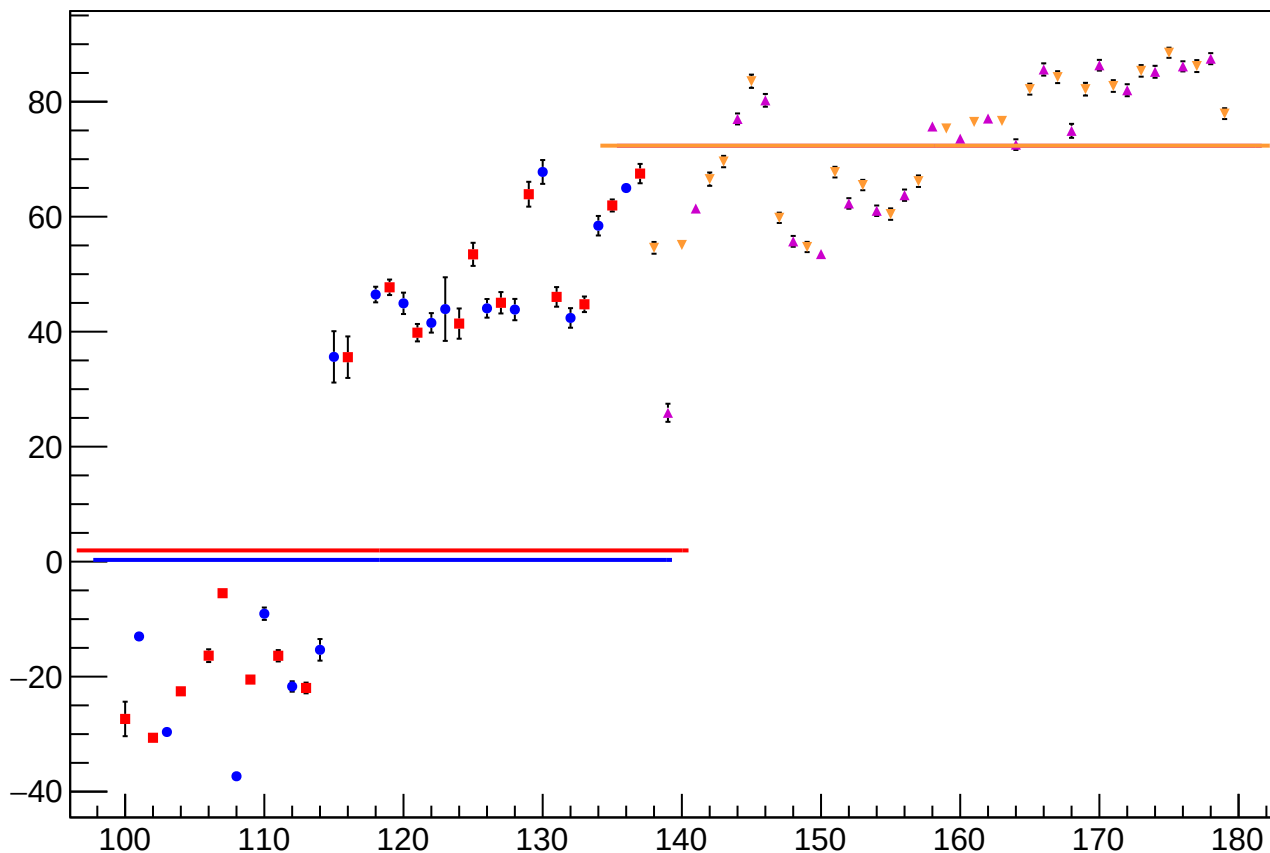
Left In: 53.133 ± 0.240 χ^2/NDF : 1097.9/19

+ sign 36.225 ± 0.195 χ^2/NDF : 18012.8/38

All: 36.861 ± 0.140 χ^2/NDF : 34342.0/77

- sign 37.544 ± 0.202 χ^2/NDF : 16307.2/38

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 $\pm$ 0.247 χ^2 /NDF: 18259.2/16

Left Out: 72.356 $\pm$ 0.199 χ^2 /NDF: 2945.1/21

Right Out: 1.952 $\pm$ 0.267 χ^2 /NDF: 15450.6/18

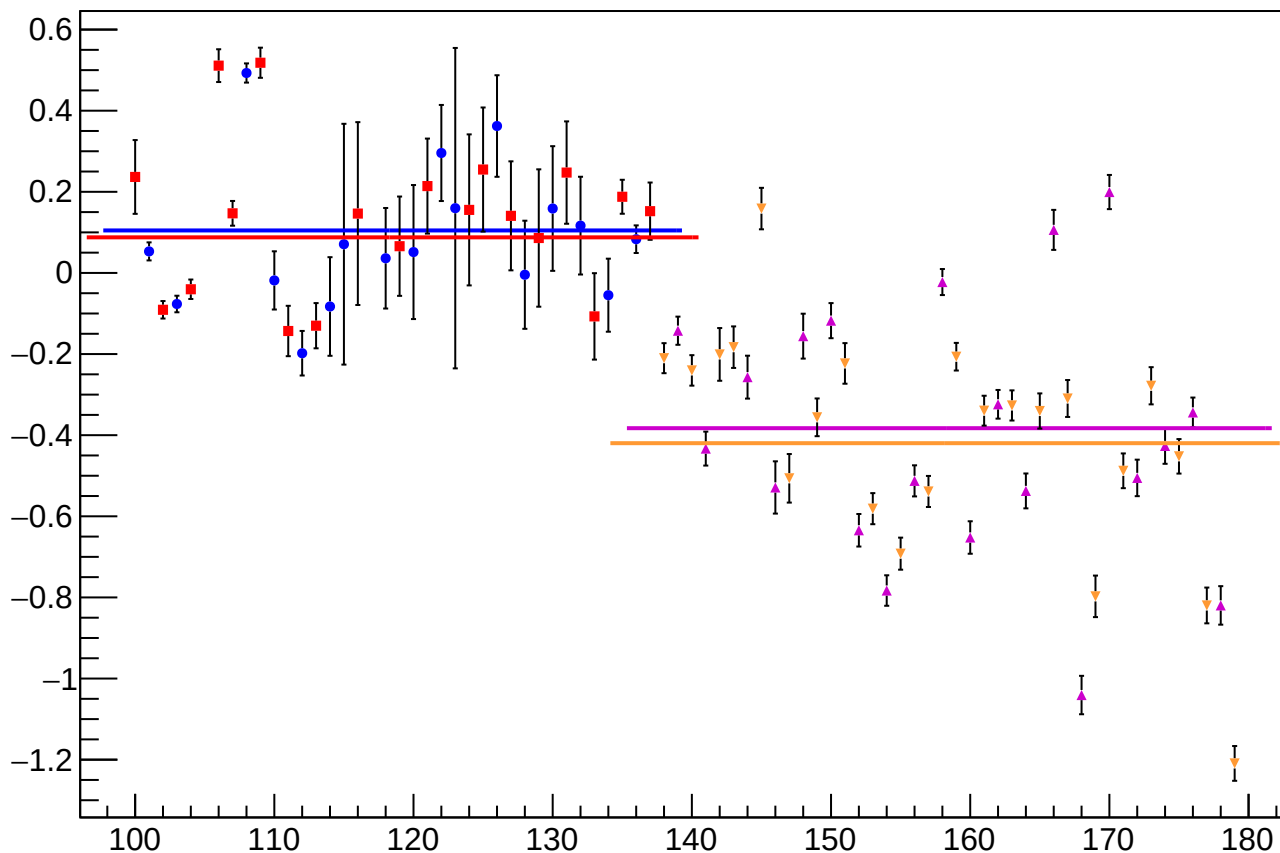
Left In: 72.329 $\pm$ 0.210 χ^2 /NDF: 3425.8/19

+ sign 43.979 $\pm$ 0.155 χ^2 /NDF: 72618.0/38

All: 44.665 $\pm$ 0.113 χ^2 /NDF: 134585.9/77

- sign 45.439 $\pm$ 0.165 χ^2 /NDF: 61926.3/38

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

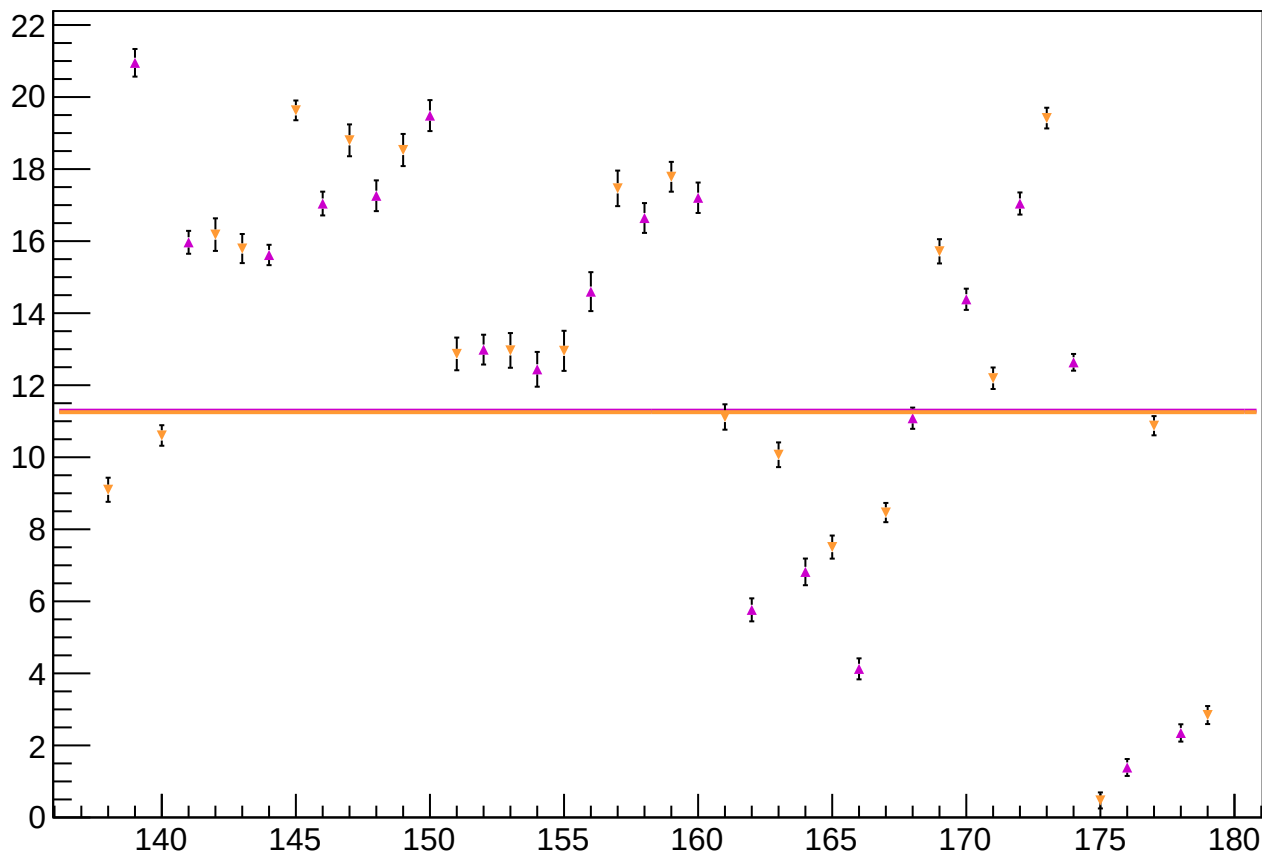
Left In: -0.383 ± 0.009 χ^2/NDF : 1042.0/19

+ sign -0.206 ± 0.007 χ^2/NDF : 2596.1/38

All: -0.196 ± 0.005 χ^2/NDF : 5093.3/77

- sign -0.185 ± 0.007 χ^2/NDF : 2493.0/38

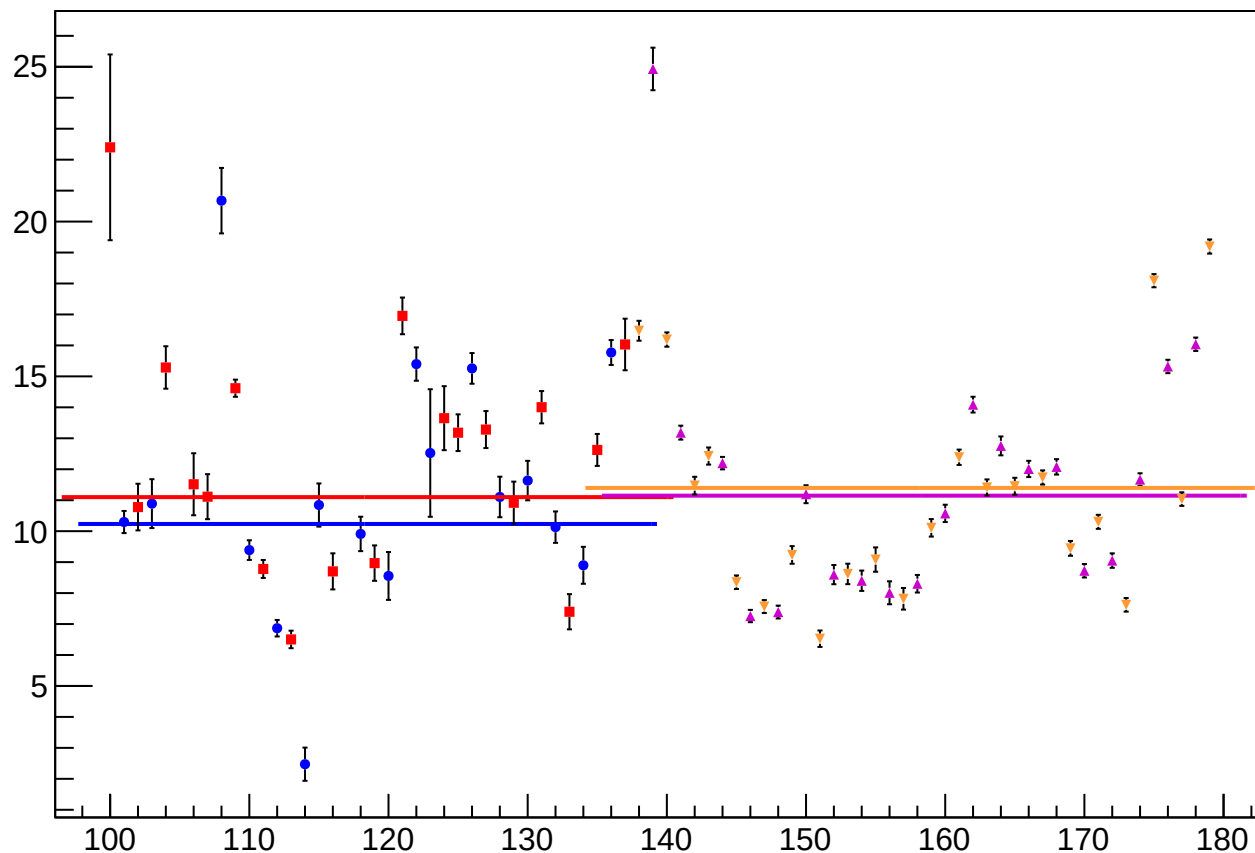
reg_asym_sam7_diff_bpm1X_slope vs Slug



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: 11.293+/-0.072 χ^2/NDF : 7075.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 11.272+/-0.051 χ^2/NDF : 14034.5/41
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 11.397 $\pm$ 0.054 χ^2 /NDF: 4401.9/21

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

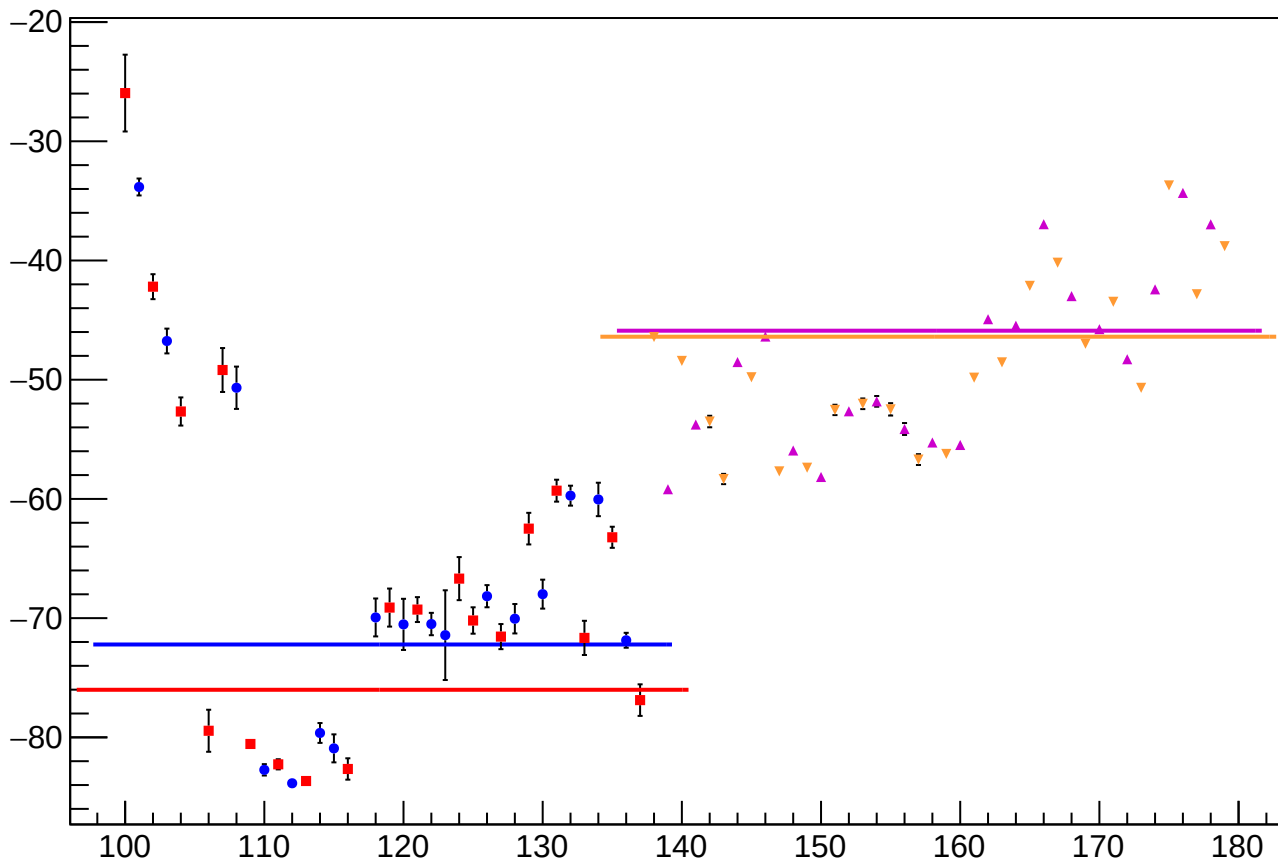
Left In: 11.147 $\pm$ 0.056 χ^2 /NDF: 2814.3/19

+ sign 11.199 $\pm$ 0.049 χ^2 /NDF: 5357.6/38

All: 11.169 $\pm$ 0.035 χ^2 /NDF: 8990.6/77

- sign 11.138 $\pm$ 0.050 χ^2 /NDF: 3632.2/38

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 χ^2/NDF : 5566.2/16

Left Out: -46.393 ± 0.071 χ^2/NDF : 9785.1/21

Right Out: -76.009 ± 0.181 χ^2/NDF : 3463.3/18

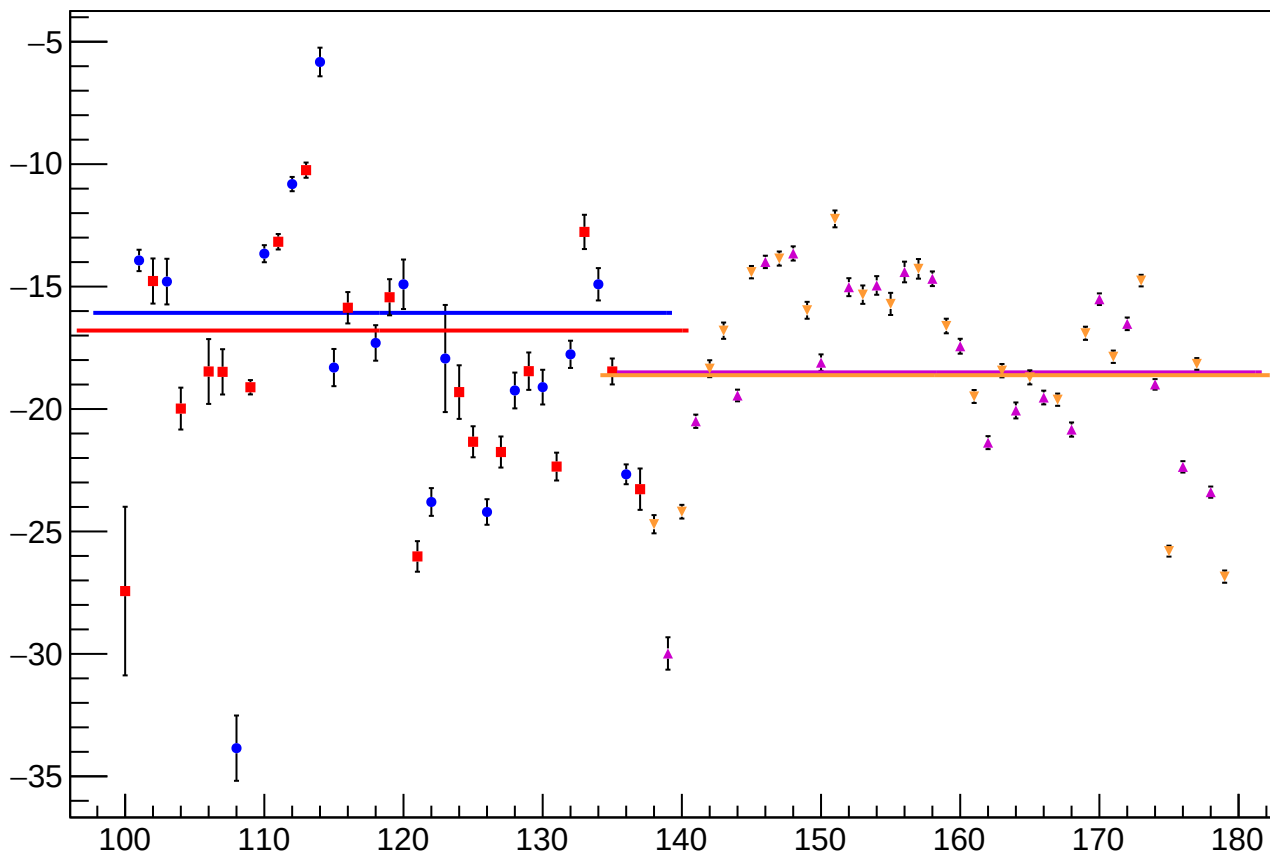
Left In: -45.888 ± 0.072 χ^2/NDF : 10266.1/19

+ sign -49.313 ± 0.067 χ^2/NDF : 30432.1/38

All: -49.675 ± 0.047 χ^2/NDF : 68098.5/77

- sign -50.042 ± 0.067 χ^2/NDF : 37607.0/38

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

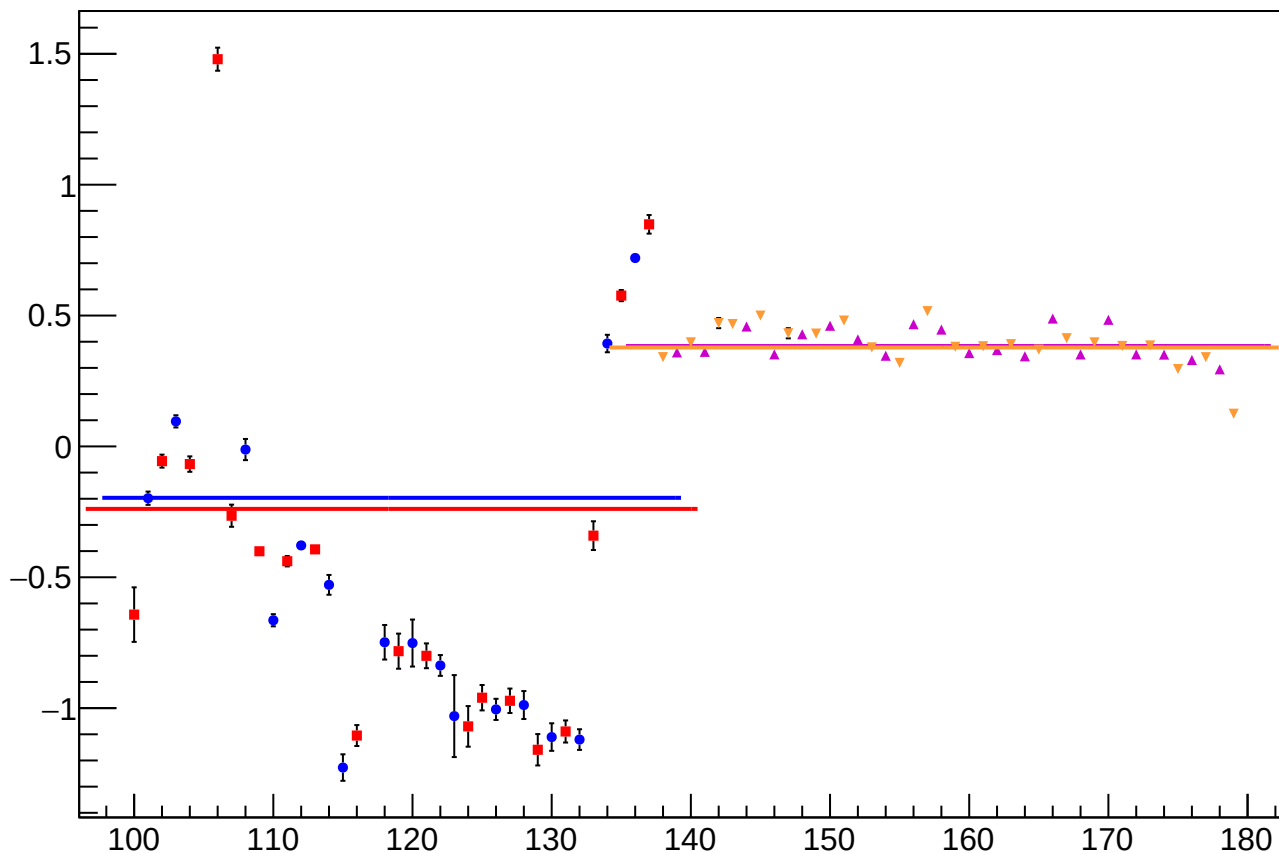
Left In: -18.503 ± 0.063 χ^2/NDF : 2591.8/19

+ sign -18.172 ± 0.056 χ^2/NDF : 6329.0/38

All: -18.171 ± 0.040 χ^2/NDF : 10279.9/77

- sign -18.170 ± 0.057 χ^2/NDF : 3950.9/38

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

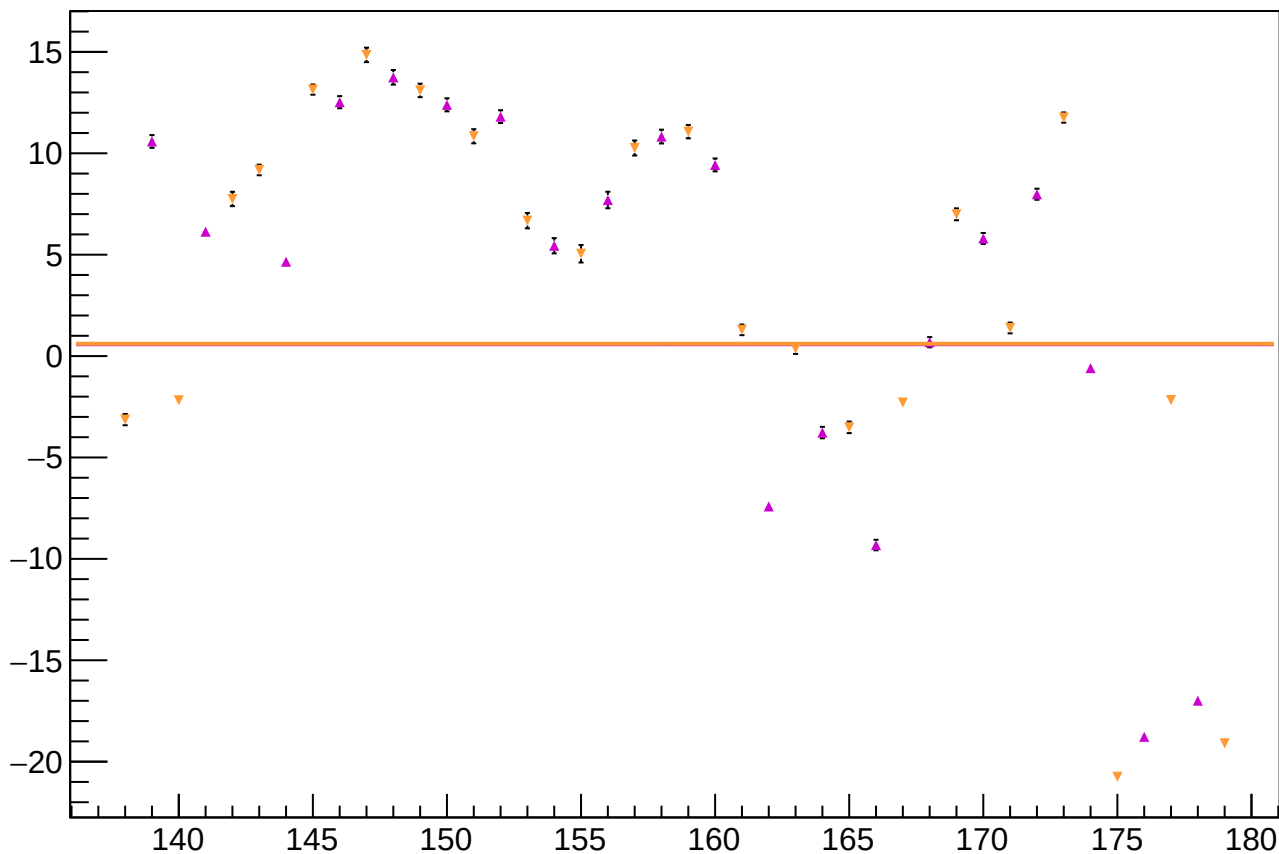
Left In: 0.384 ± 0.003 χ^2/NDF : 409.1/19

+ sign 0.307 ± 0.003 χ^2/NDF : 12297.2/38

All: 0.302 ± 0.002 χ^2/NDF : 25373.3/77

- sign 0.297 ± 0.003 χ^2/NDF : 13069.0/38

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

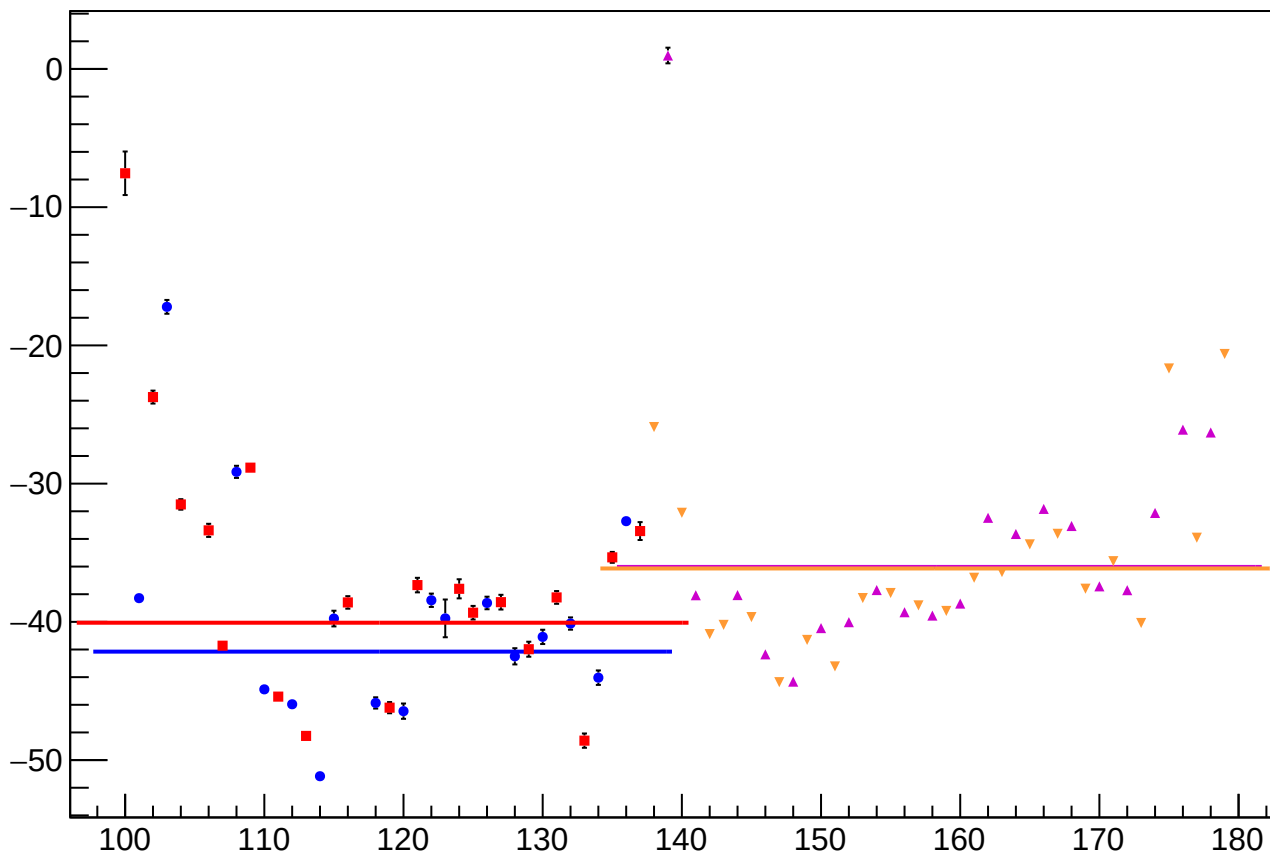
Left In: 0.585 $\pm$ 0.061 χ^2 /NDF:27867.8/19

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

All: 0.598 $\pm$ 0.042 χ^2 /NDF: 60132.7/41

- 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 $\chi^2/\text{NDF}: 11322.2/18$

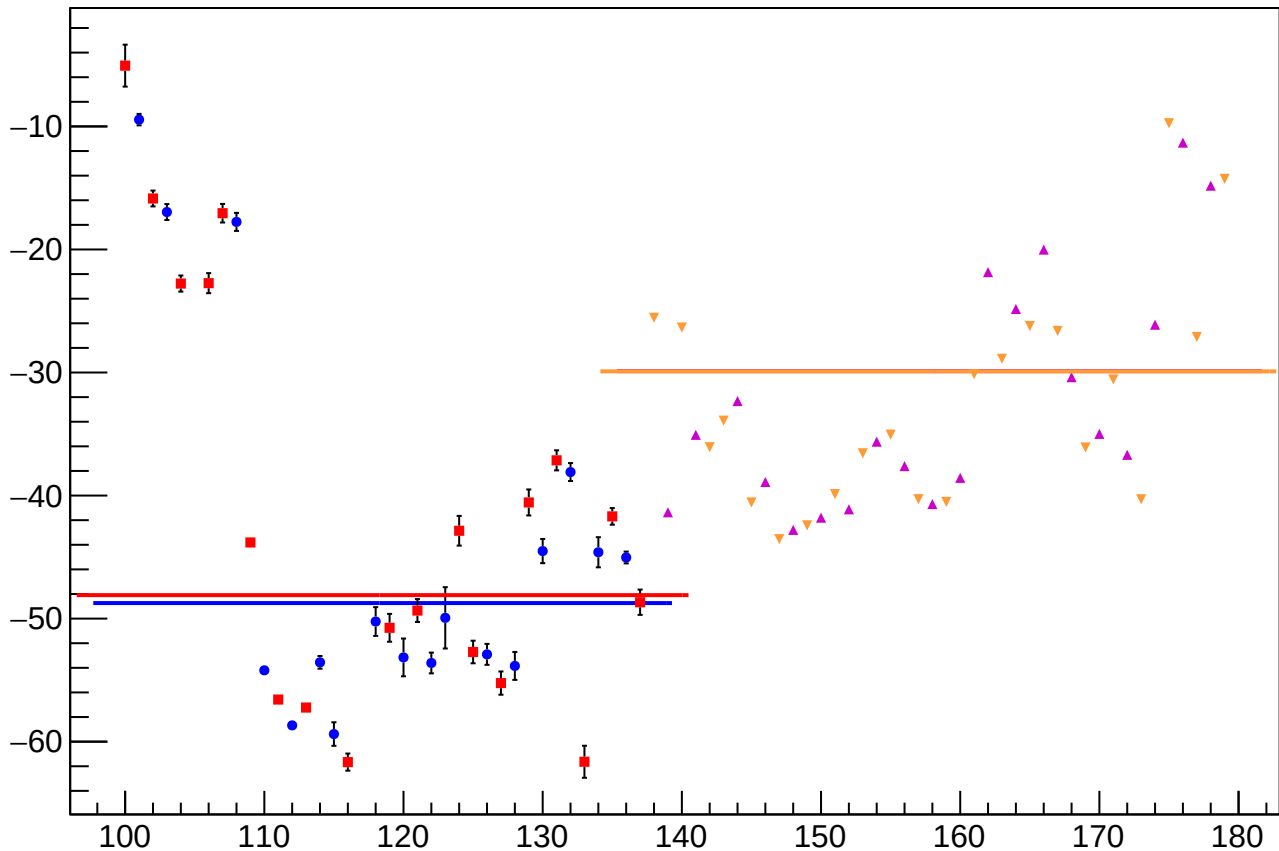
Left In: -36.026 ± 0.047 $\chi^2/\text{NDF}: 15625.8/19$

+ sign -37.614 ± 0.039 $\chi^2/\text{NDF}: 30896.0/38$

All: -37.418 ± 0.028 $\chi^2/\text{NDF}: 60067.8/77$

- sign -37.213 ± 0.039 $\chi^2/\text{NDF}: 29119.2/38$

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

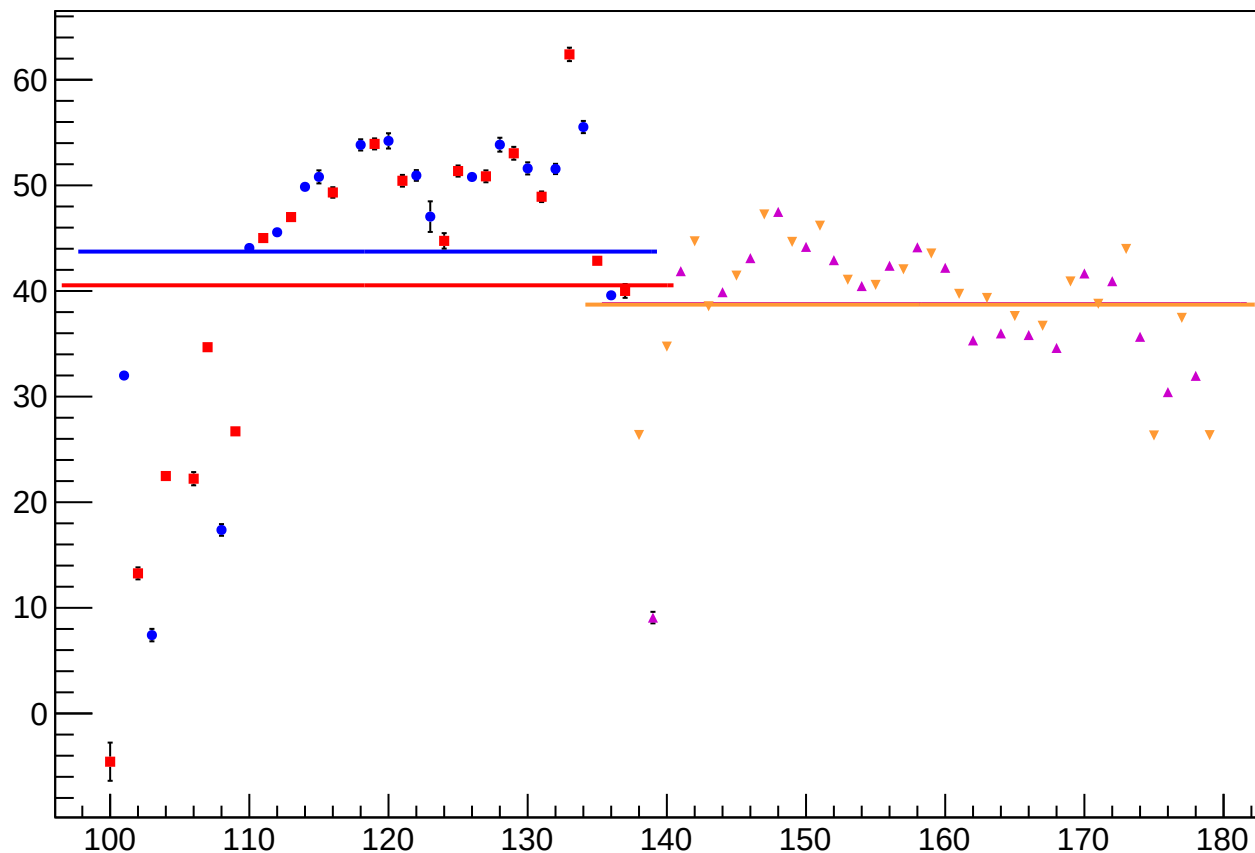
Left In: -29.888 ± 0.061 χ^2/NDF : 26283.6/19

+ sign -33.344 ± 0.053 χ^2/NDF : 60374.1/38

All: -33.843 ± 0.038 χ^2/NDF : 120337.0/77

- sign -34.338 ± 0.053 χ^2/NDF : 59787.7/38

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

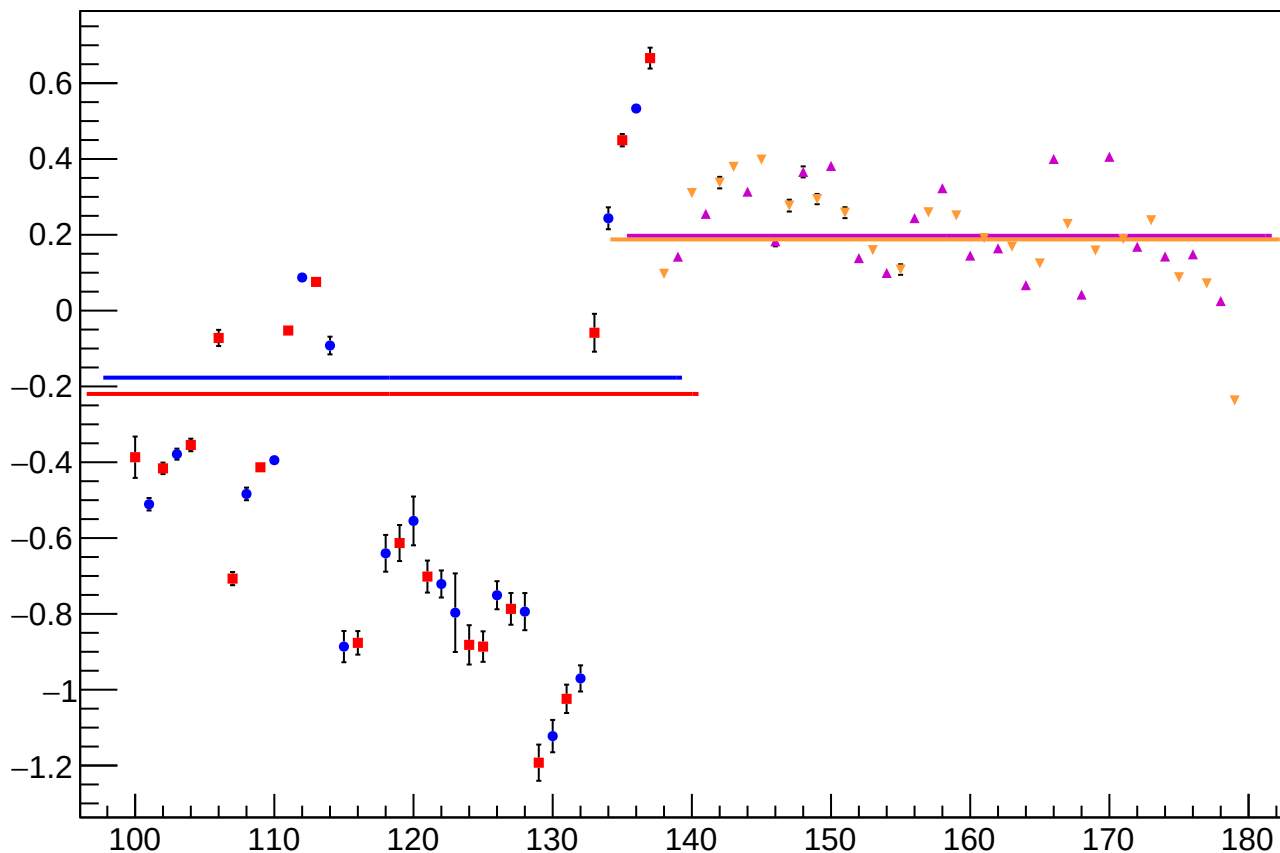
Left In: 38.766 $\pm$ 0.053 χ^2/NDF : 10336.6/19

+ sign 39.982 $\pm$ 0.044 χ^2/NDF : 26571.9/38

All: 39.648 $\pm$ 0.031 χ^2/NDF : 54967.6/77

- sign 39.305 $\pm$ 0.044 χ^2/NDF : 28277.3/38

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.188 ± 0.002 χ^2/NDF : 3240.0/21

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

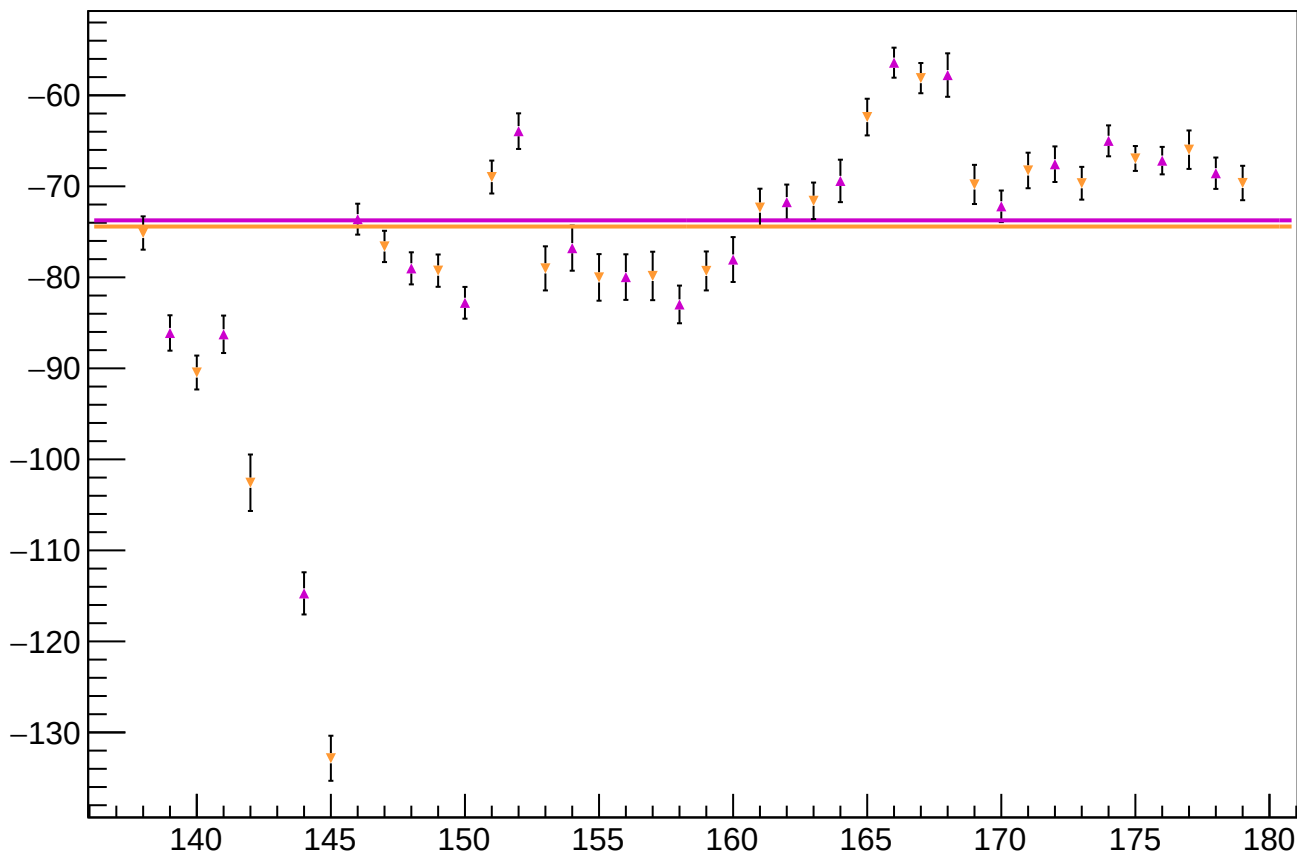
Left In: 0.197 ± 0.002 χ^2/NDF : 2256.8/19

+ sign 0.119 ± 0.002 χ^2/NDF : 15203.6/38

All: 0.108 ± 0.001 χ^2/NDF : 32088.5/77

- sign 0.097 ± 0.002 χ^2/NDF : 16834.7/38

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -74.418 $\pm$ 0.430 χ^2 /NDF:958.2/20

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

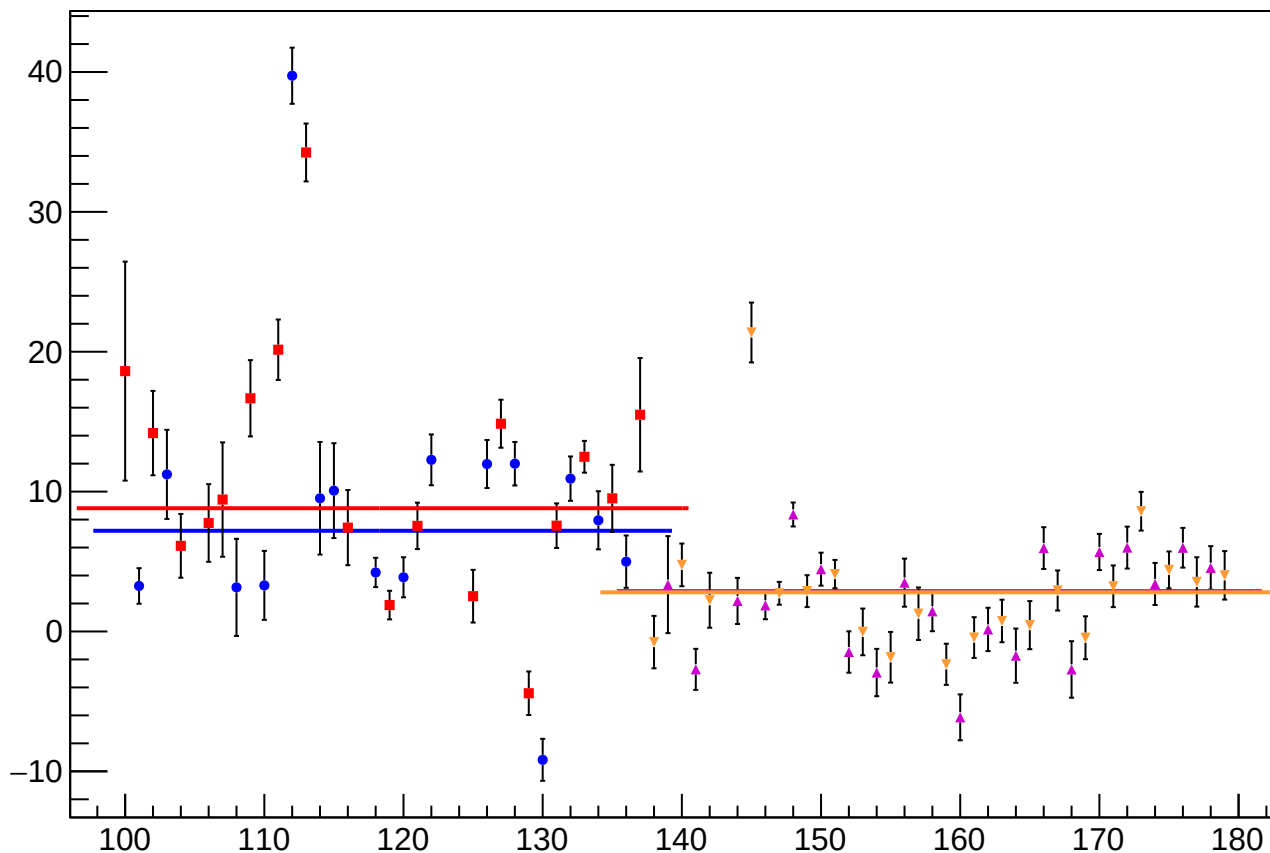
Left In: -73.738 $\pm$ 0.431 χ^2 /NDF:706.4/19

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

All: -74.079 $\pm$ 0.304 χ^2 /NDF: 1665.8/40

- sign 0.000 $\pm$ 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

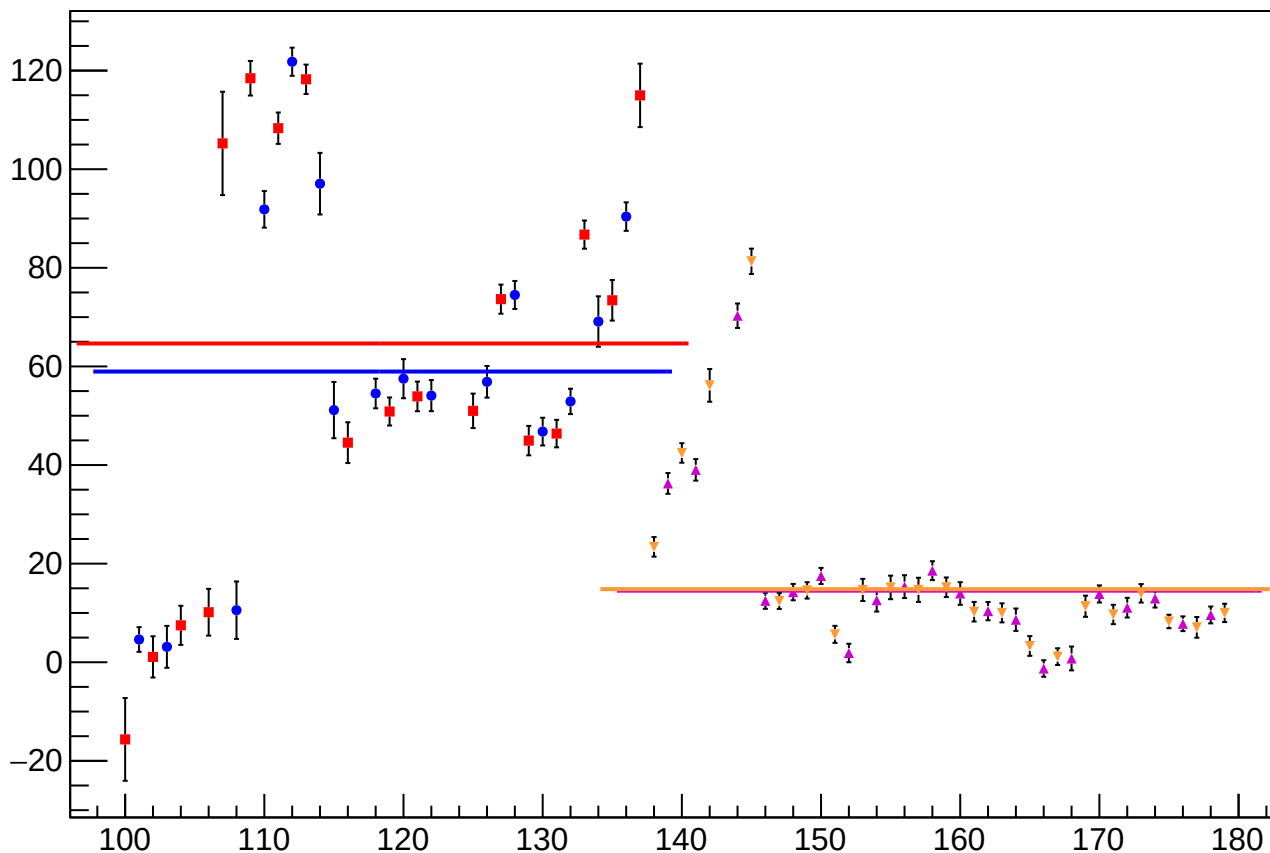
Left In: 2.887 ± 0.320 χ^2/NDF : 146.1/19

+ sign 4.279 ± 0.255 χ^2/NDF : 647.9/36

All: 4.576 ± 0.182 χ^2/NDF : 1262.4/74

- sign 4.885 ± 0.260 χ^2/NDF : 611.8/37

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 ± 0.837 χ^2/NDF : 1496.5/15

Left Out: 14.825 ± 0.424 χ^2/NDF : 1230.4/20

Right Out: 64.655 ± 0.840 χ^2/NDF : 1721.8/17

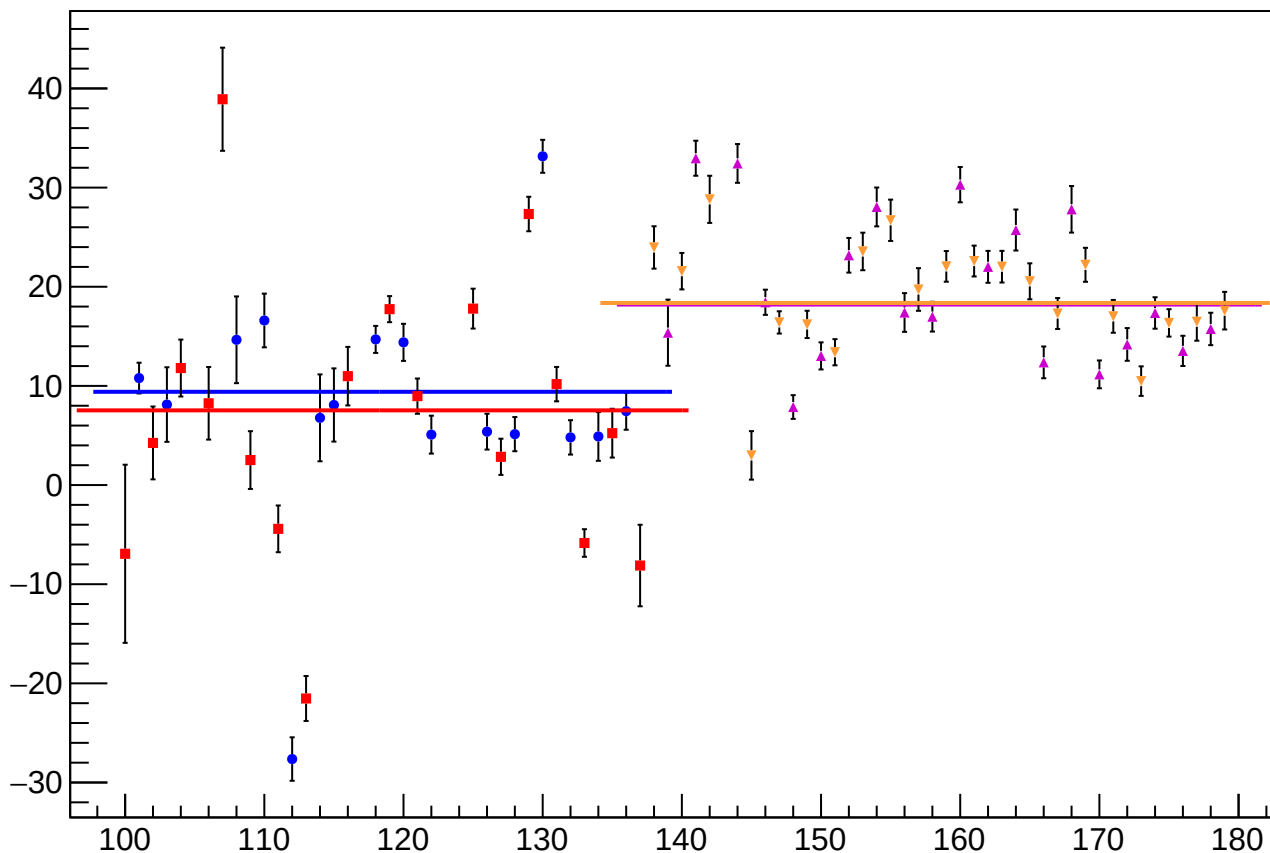
Left In: 14.517 ± 0.426 χ^2/NDF : 958.6/19

+ sign 23.847 ± 0.378 χ^2/NDF : 4939.5/36

All: 24.305 ± 0.268 χ^2/NDF : 10457.0/74

- sign 24.767 ± 0.380 χ^2/NDF : 5514.6/37

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 18.365 ± 0.362 χ^2/NDF : 169.6/20

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

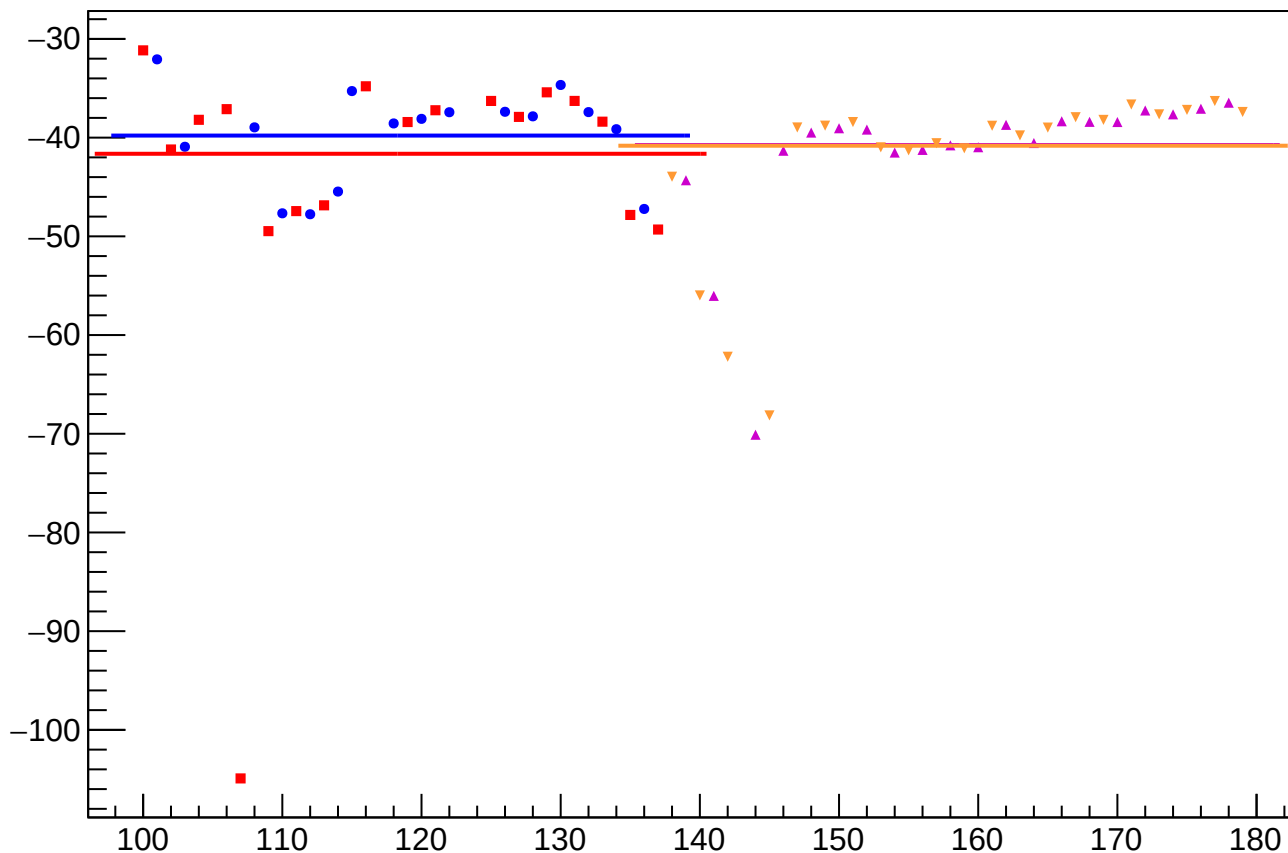
Left In: 18.202 ± 0.367 χ^2/NDF : 384.7/19

+ sign 15.342 ± 0.294 χ^2/NDF : 926.2/36

All: 14.977 ± 0.210 χ^2/NDF : 2168.4/74

- sign 14.601 ± 0.299 χ^2/NDF : 1239.0/37

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

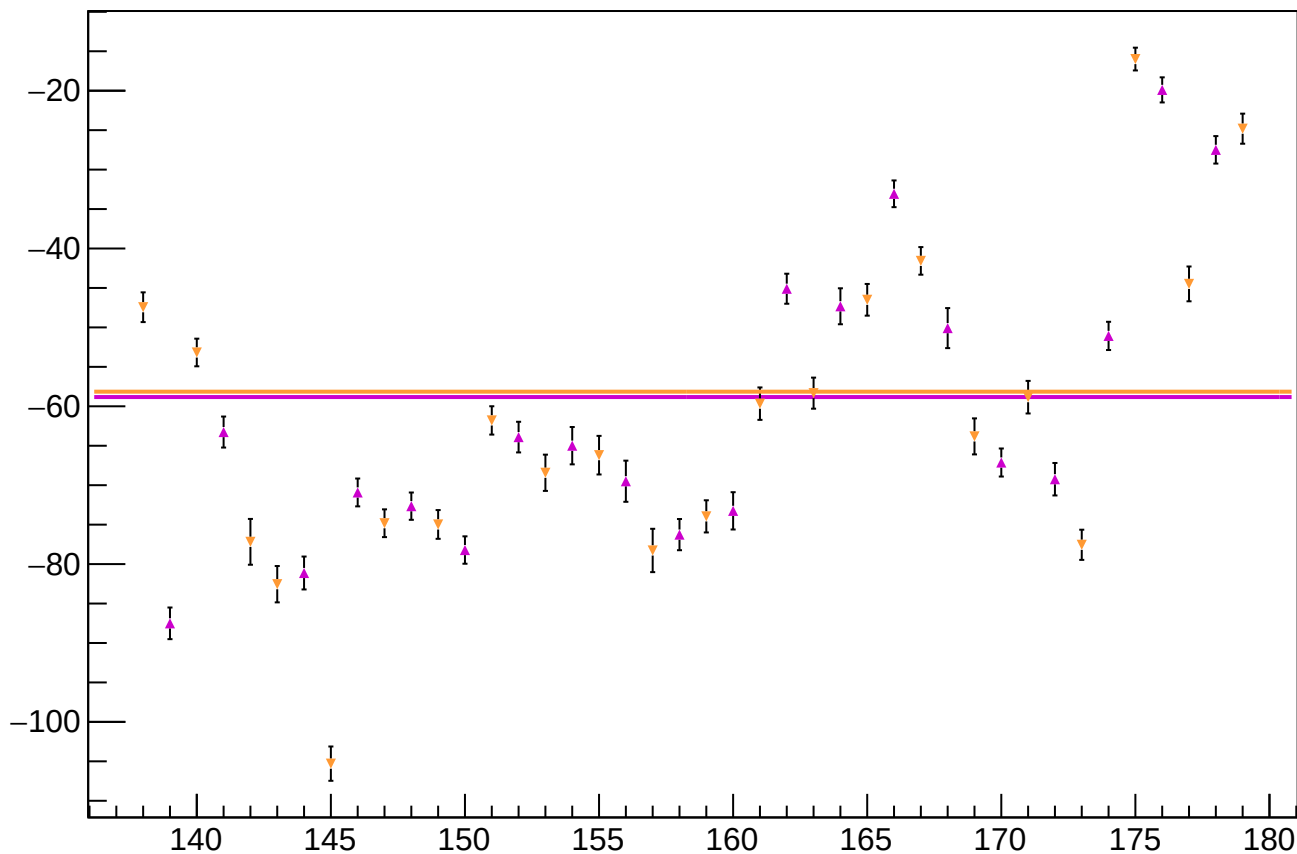
Left In: -40.746 ± 0.017 χ^2/NDF : 120864.3/19

+ sign -40.583 ± 0.015 χ^2/NDF : 177217.3/36

All: -40.767 ± 0.011 χ^2/NDF : 393401.5/74

- sign -40.949 ± 0.015 χ^2/NDF : 215884.0/37

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

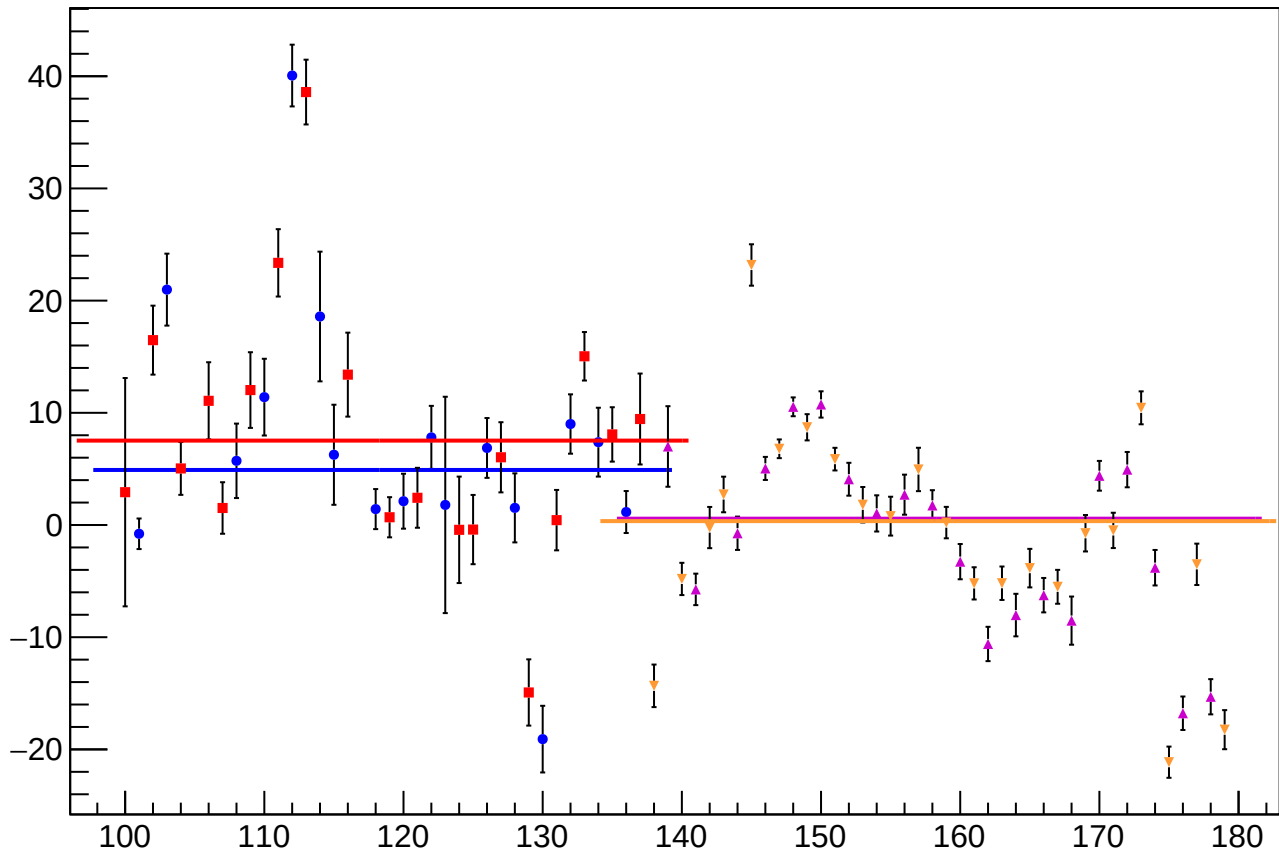
Left In: -58.829+/-0.434 χ^2/NDF : 2014.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -58.481+/-0.304 χ^2/NDF : 4436.0/41

- 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 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 0.347 ± 0.308 $\chi^2/\text{NDF}: 830.7/21$

Right Out: 7.523 ± 0.651 $\chi^2/\text{NDF}: 270.6/18$

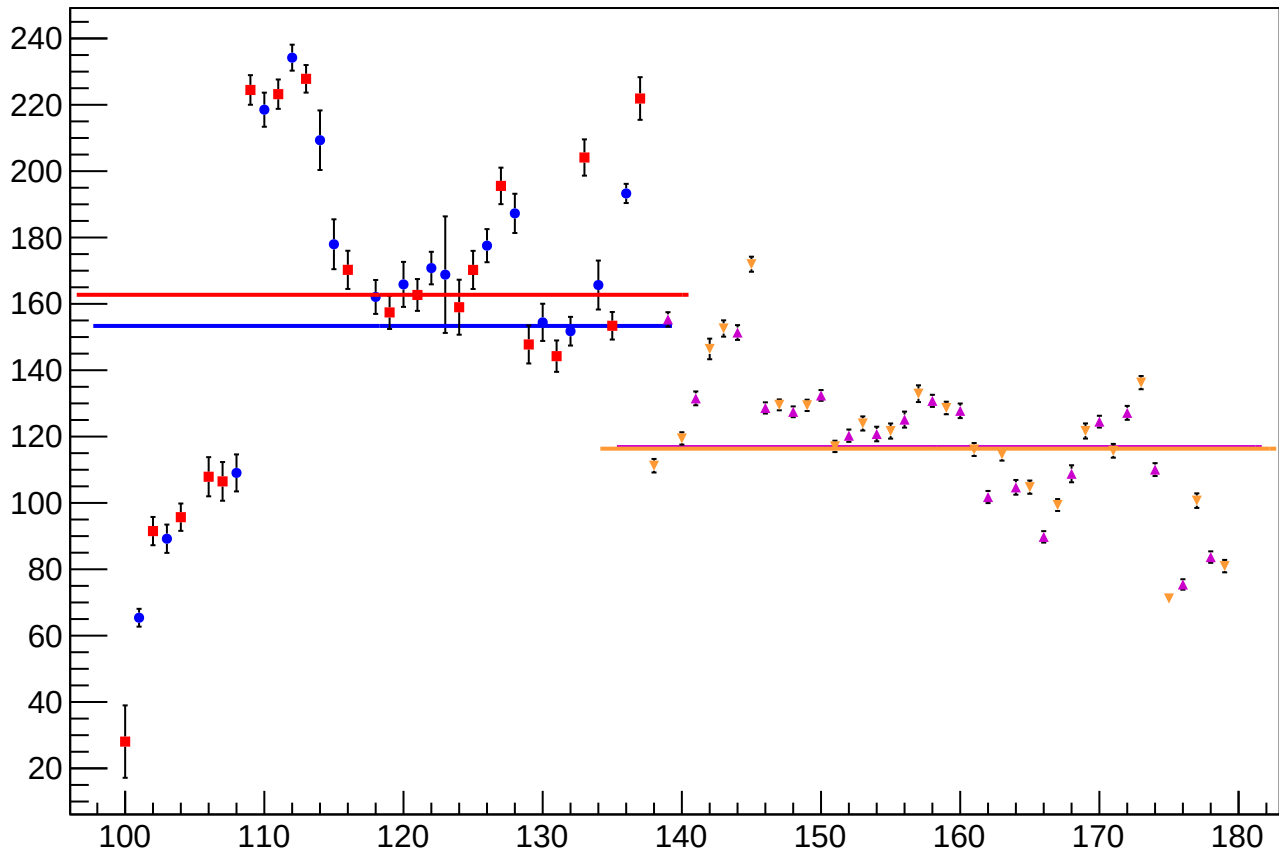
Left In: 0.564 ± 0.319 $\chi^2/\text{NDF}: 646.2/19$

+ sign 1.234 ± 0.277 $\chi^2/\text{NDF}: 1168.6/38$

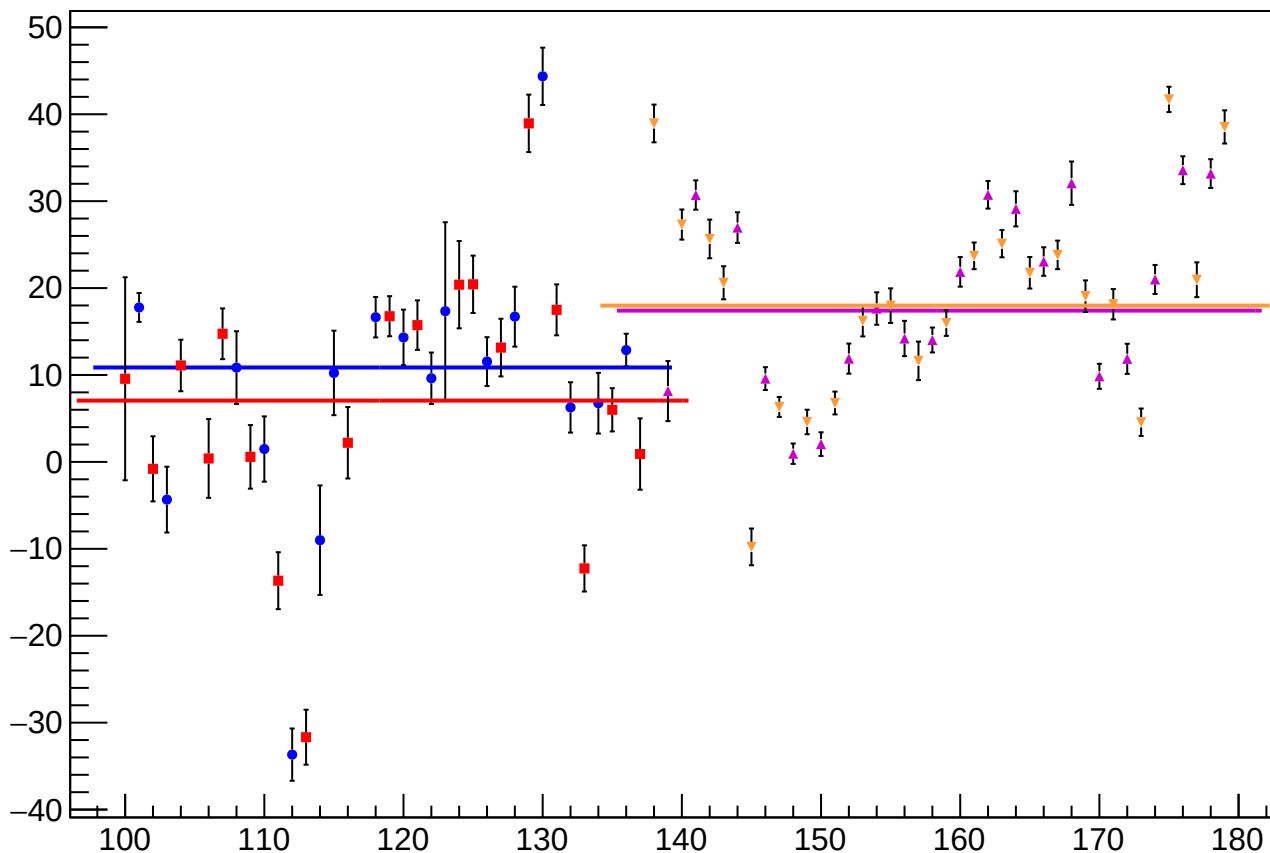
All: 1.562 ± 0.199 $\chi^2/\text{NDF}: 2180.6/77$

- sign 1.914 ± 0.287 $\chi^2/\text{NDF}: 1009.0/38$

reg_asym_usr_diff_bpm4eX_slope vs Slug



reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 17.984 $\pm$ 0.357 χ^2 /NDF: 1092.4/21

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

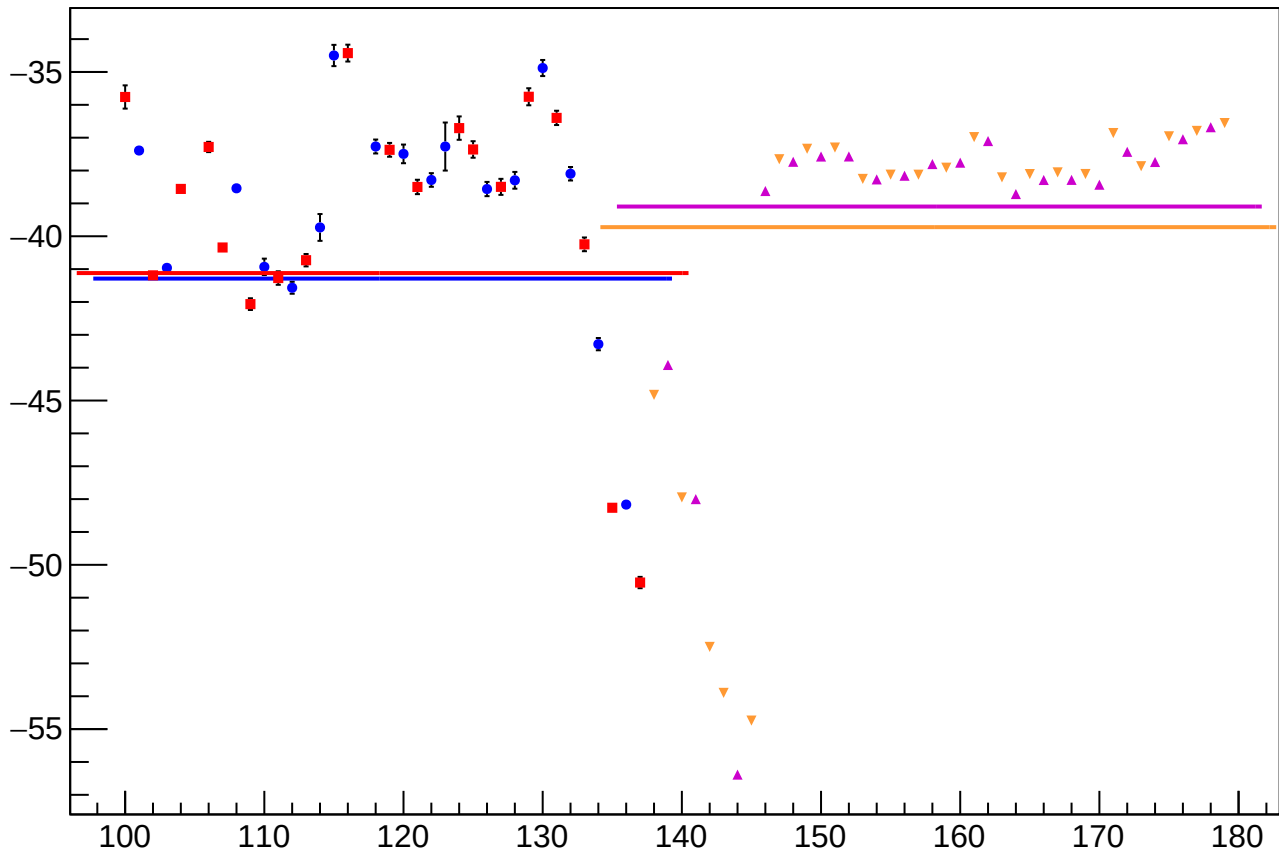
Left In: 17.409 $\pm$ 0.368 χ^2 /NDF: 868.7/19

+ sign 16.577 $\pm$ 0.320 χ^2 /NDF: 1558.9/38

All: 16.003 $\pm$ 0.230 χ^2 /NDF: 3013.5/77

- sign 15.392 $\pm$ 0.330 χ^2 /NDF: 1447.9/38

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -39.723 ± 0.017 $\chi^2/\text{NDF}: 87288.7/21$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

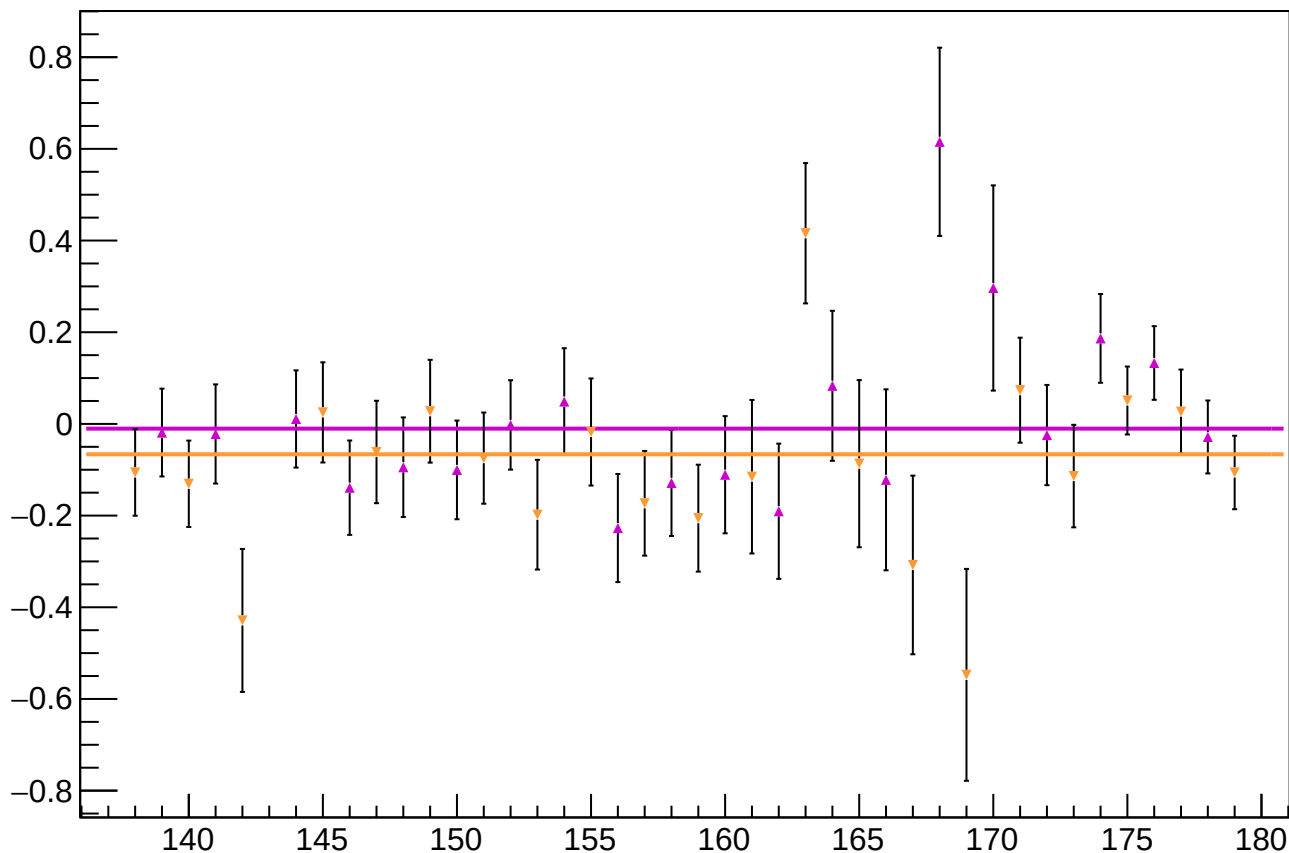
Left In: -39.096 ± 0.017 $\chi^2/\text{NDF}: 52369.9/19$

+ sign -39.975 ± 0.015 $\chi^2/\text{NDF}: 101177.6/38$

All: -39.702 ± 0.011 $\chi^2/\text{NDF}: 168576.9/77$

- sign -39.426 ± 0.016 $\chi^2/\text{NDF}: 66775.4/38$

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

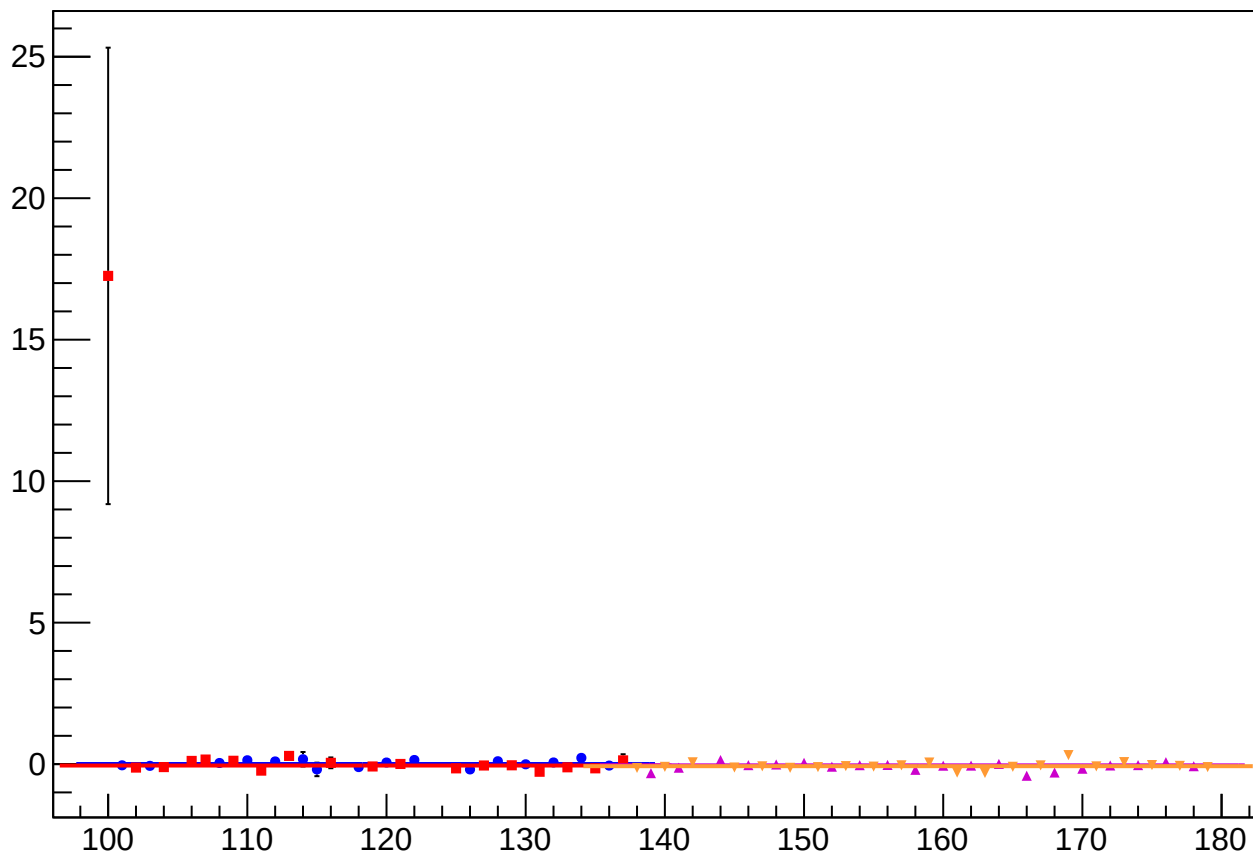
Left In: -0.010 $\pm$ 0.025 χ^2 /NDF: 28.9/19

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

All: -0.039 $\pm$ 0.018 χ^2 /NDF: 63.9/40

- 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

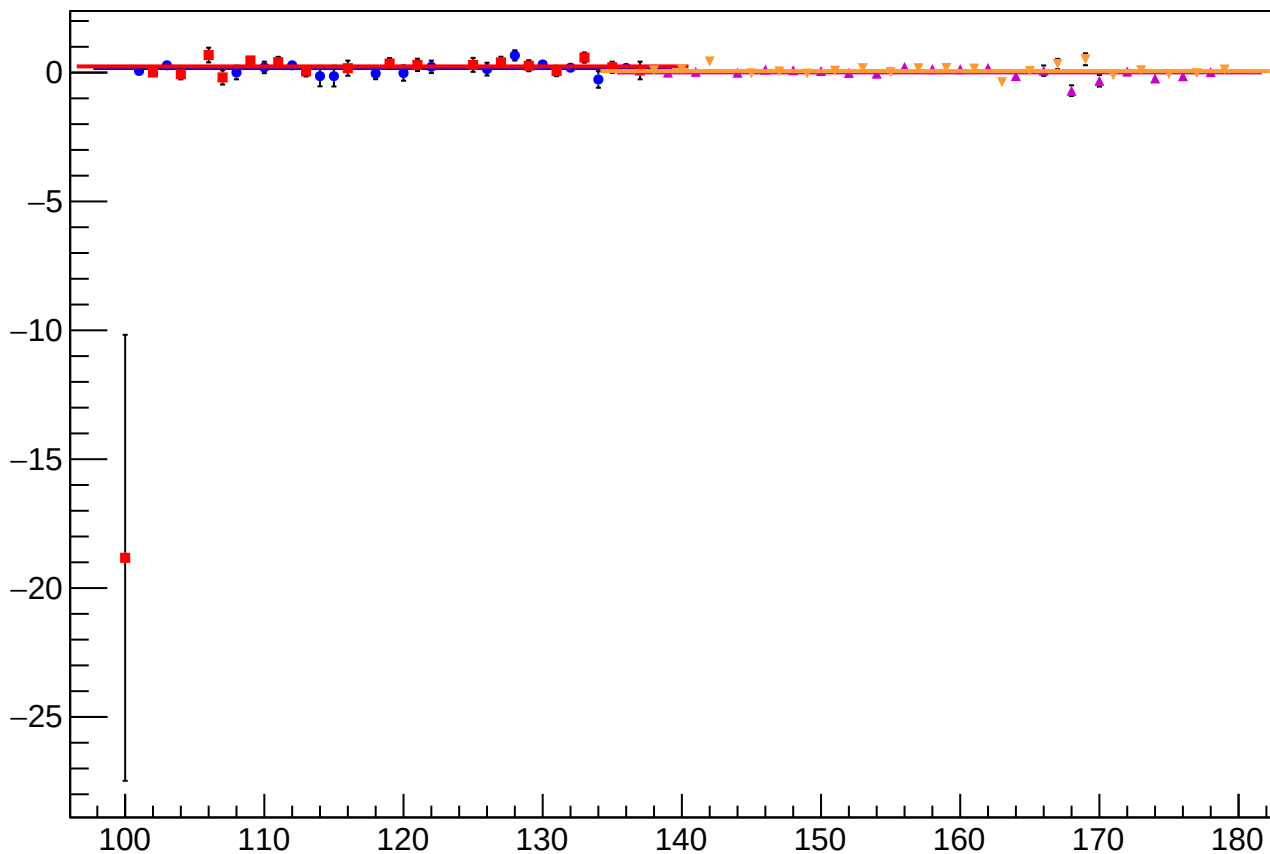
Left In: -0.043 ± 0.019 χ^2/NDF : 25.5/19

+ sign -0.051 ± 0.015 χ^2/NDF : 40.7/36

All: -0.048 ± 0.011 χ^2/NDF : 91.9/74

- sign -0.045 ± 0.016 χ^2/NDF : 51.1/37

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

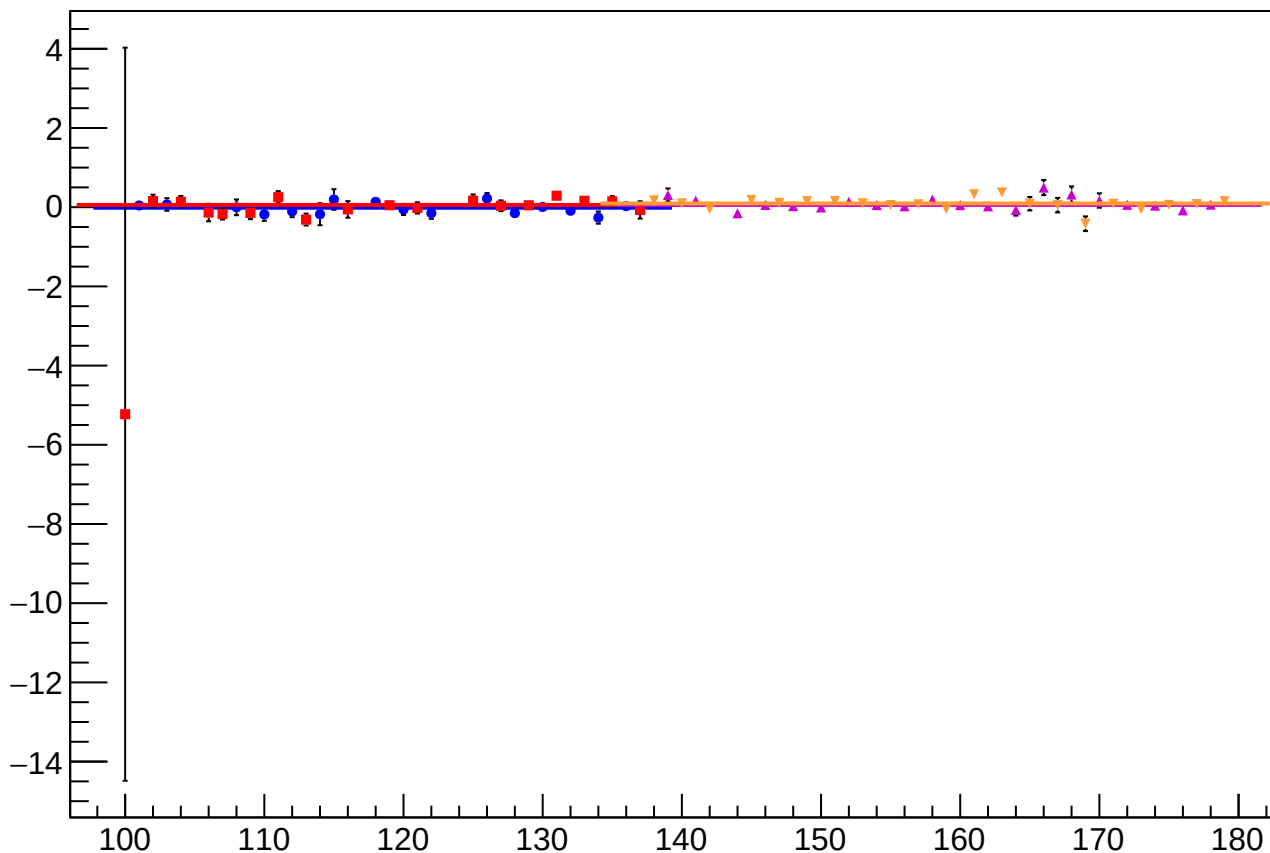
Left In: 0.007 $\pm$ 0.025 χ^2 /NDF:33.5/19

+ sign 0.080 $\pm$ 0.022 χ^2 /NDF: 48.1/36

All: 0.064 $\pm$ 0.016 χ^2 /NDF: 119.7/74

- sign 0.047 $\pm$ 0.022 χ^2 /NDF: 70.5/37

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

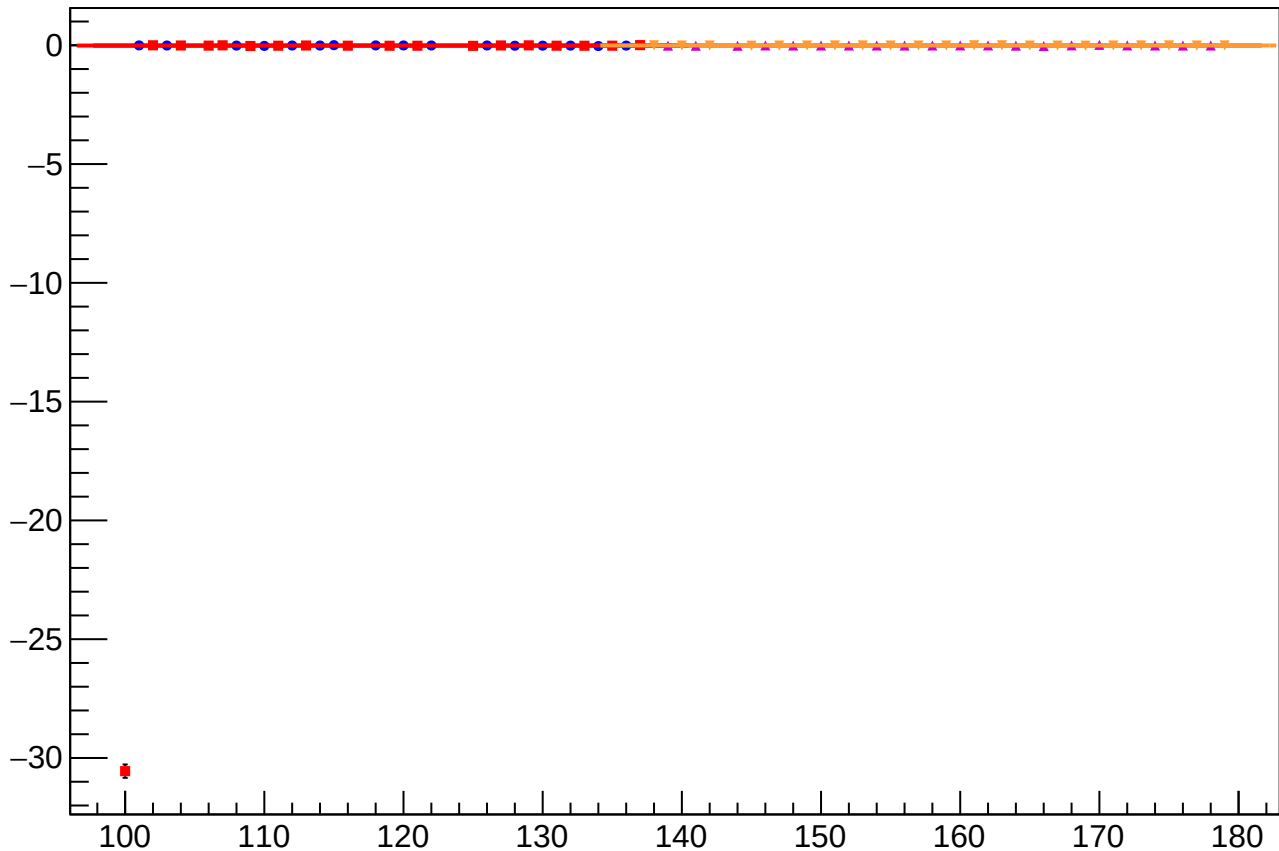
Left In: 0.057 ± 0.022 χ^2/NDF : 24.8/19

+ sign 0.063 ± 0.018 χ^2/NDF : 47.1/36

All: 0.060 ± 0.013 χ^2/NDF : 92.4/74

- sign 0.057 ± 0.018 χ^2/NDF : 45.2/37

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

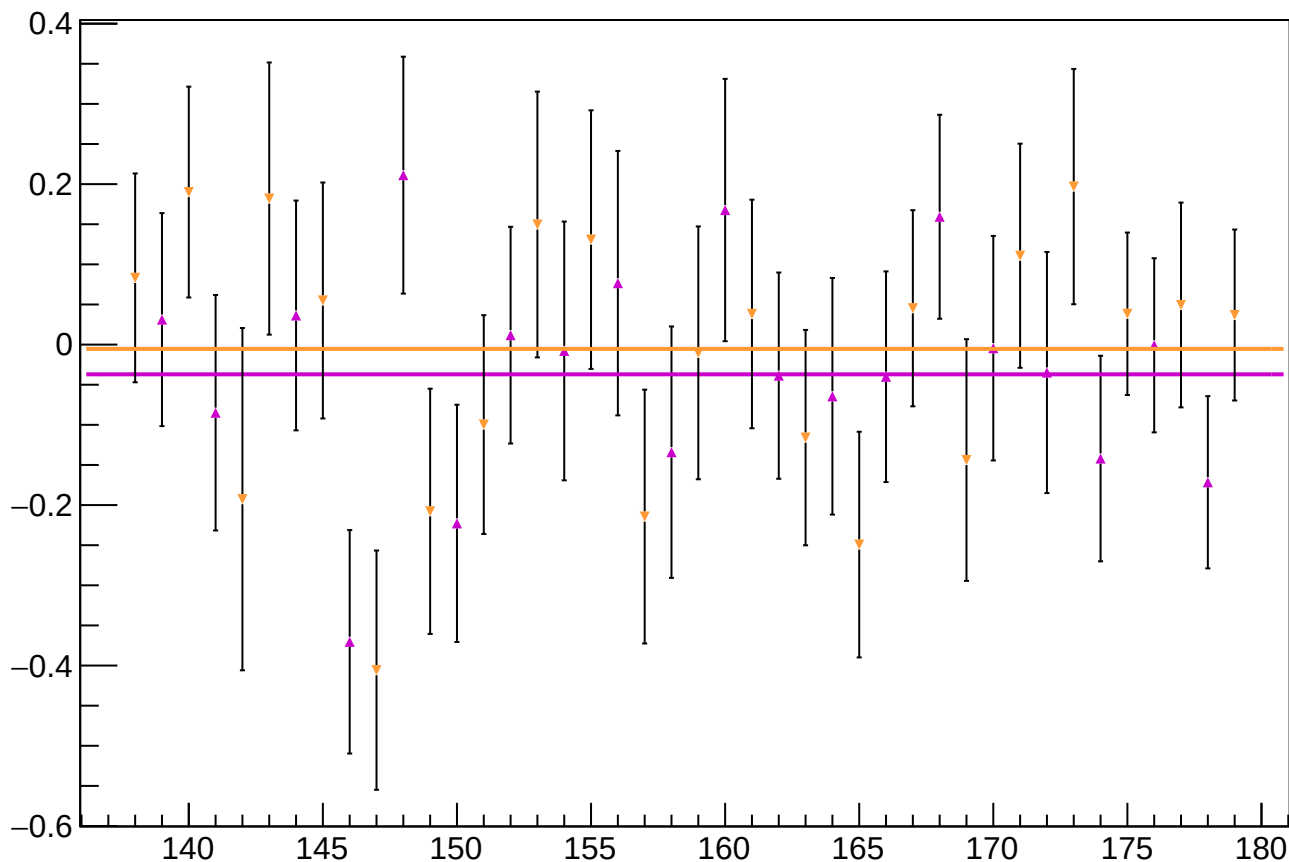
Left In: -0.010 $\pm$ 0.001 χ^2/NDF : 30.8/19

+ sign -0.009 $\pm$ 0.001 χ^2/NDF : 32.2/36

All: -0.010 $\pm$ 0.001 χ^2/NDF : 11956.9/74

- sign -0.010 $\pm$ 0.001 χ^2/NDF : 11923.5/37

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

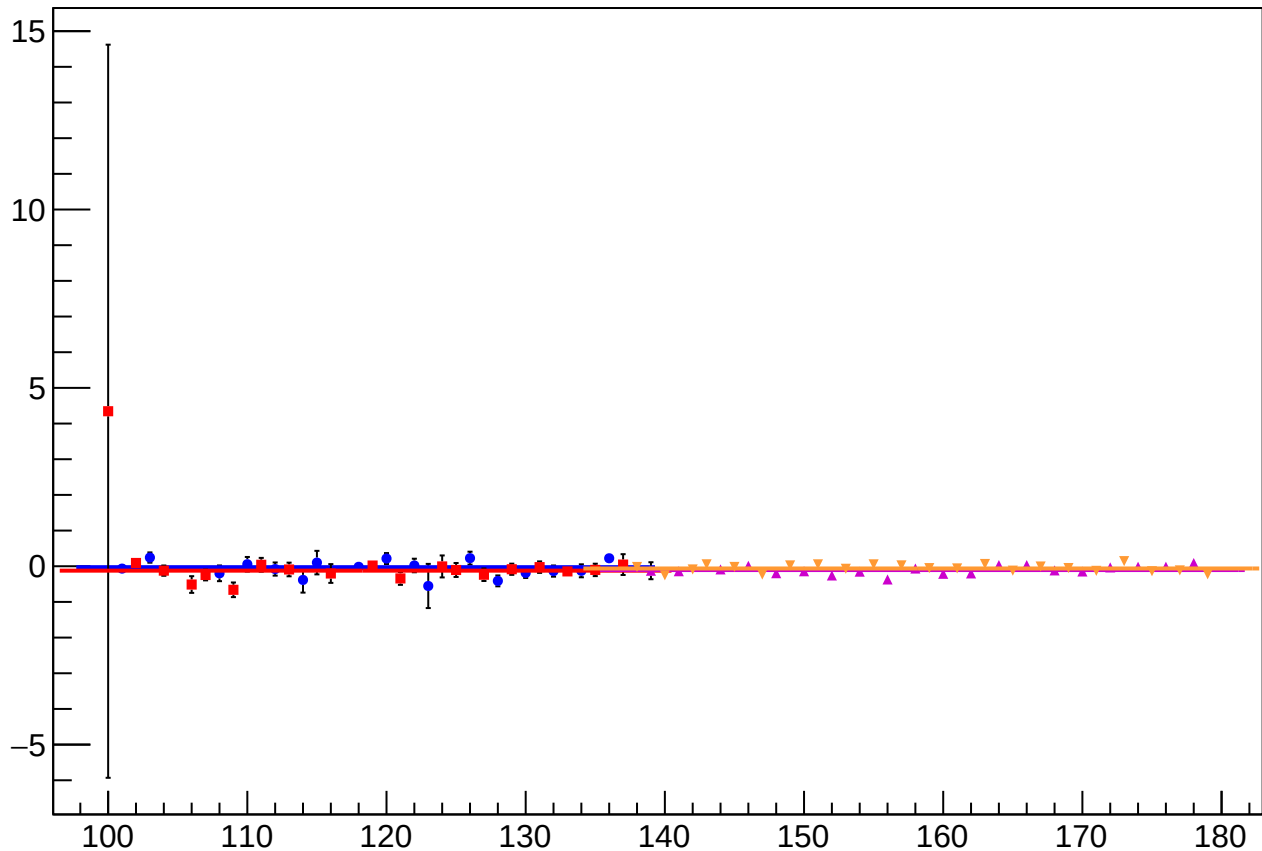
Left In: -0.037 $\pm$ 0.031 χ^2 /NDF: 18.2/19

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

All: -0.021 $\pm$ 0.021 χ^2 /NDF: 44.3/41

- 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

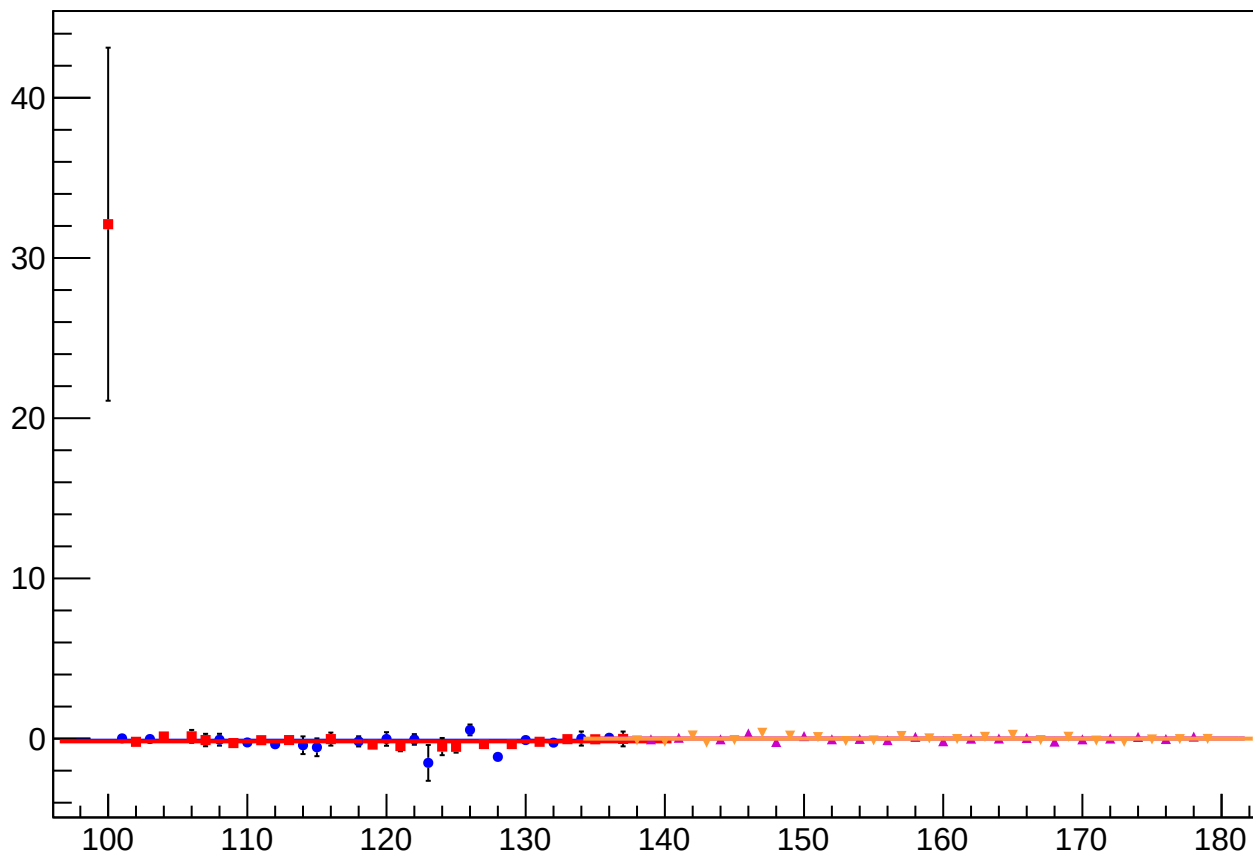
Left In: -0.107 ± 0.023 χ^2/NDF : 22.2/19

+ sign -0.053 ± 0.019 χ^2/NDF : 47.6/38

All: -0.080 ± 0.014 χ^2/NDF : 92.7/77

- sign -0.111 ± 0.020 χ^2/NDF : 40.7/38

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

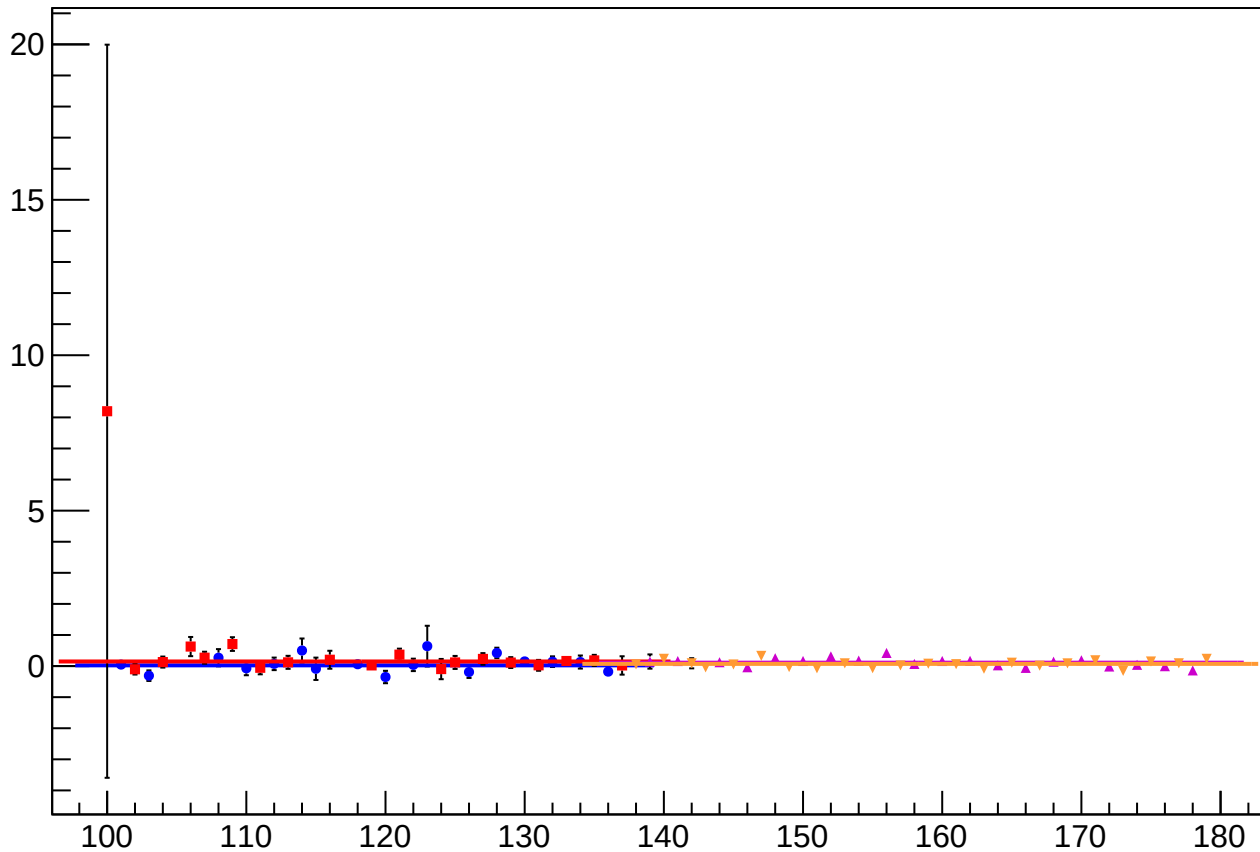
Left In: 0.008 ± 0.030 χ^2/NDF : 16.1/19

+ sign -0.022 ± 0.027 χ^2/NDF : 51.1/38

All: -0.021 ± 0.019 χ^2/NDF : 87.6/77

- sign -0.020 ± 0.028 χ^2/NDF : 36.5/38

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 $\pm$ 0.043 χ^2 /NDF: 21.3/16

Left Out: 0.071 $\pm$ 0.025 χ^2 /NDF: 23.0/21

Right Out: 0.148 $\pm$ 0.045 χ^2 /NDF: 16.6/18

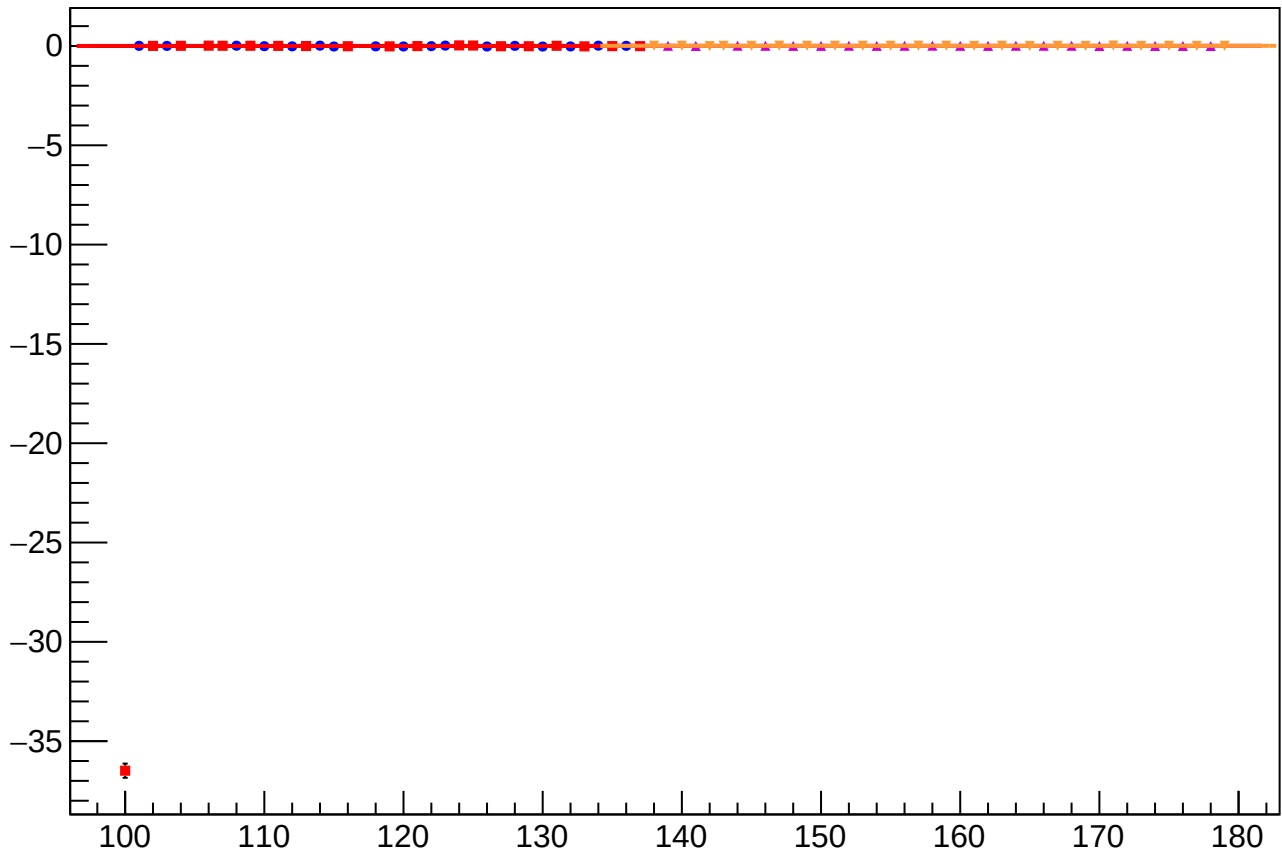
Left In: 0.110 $\pm$ 0.027 χ^2 /NDF: 24.9/19

+ sign 0.058 $\pm$ 0.022 χ^2 /NDF: 45.3/38

All: 0.087 $\pm$ 0.016 χ^2 /NDF: 91.1/77

- sign 0.120 $\pm$ 0.023 χ^2 /NDF: 42.0/38

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.009 $\pm$ 0.001 χ^2 /NDF: 19.8/21

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

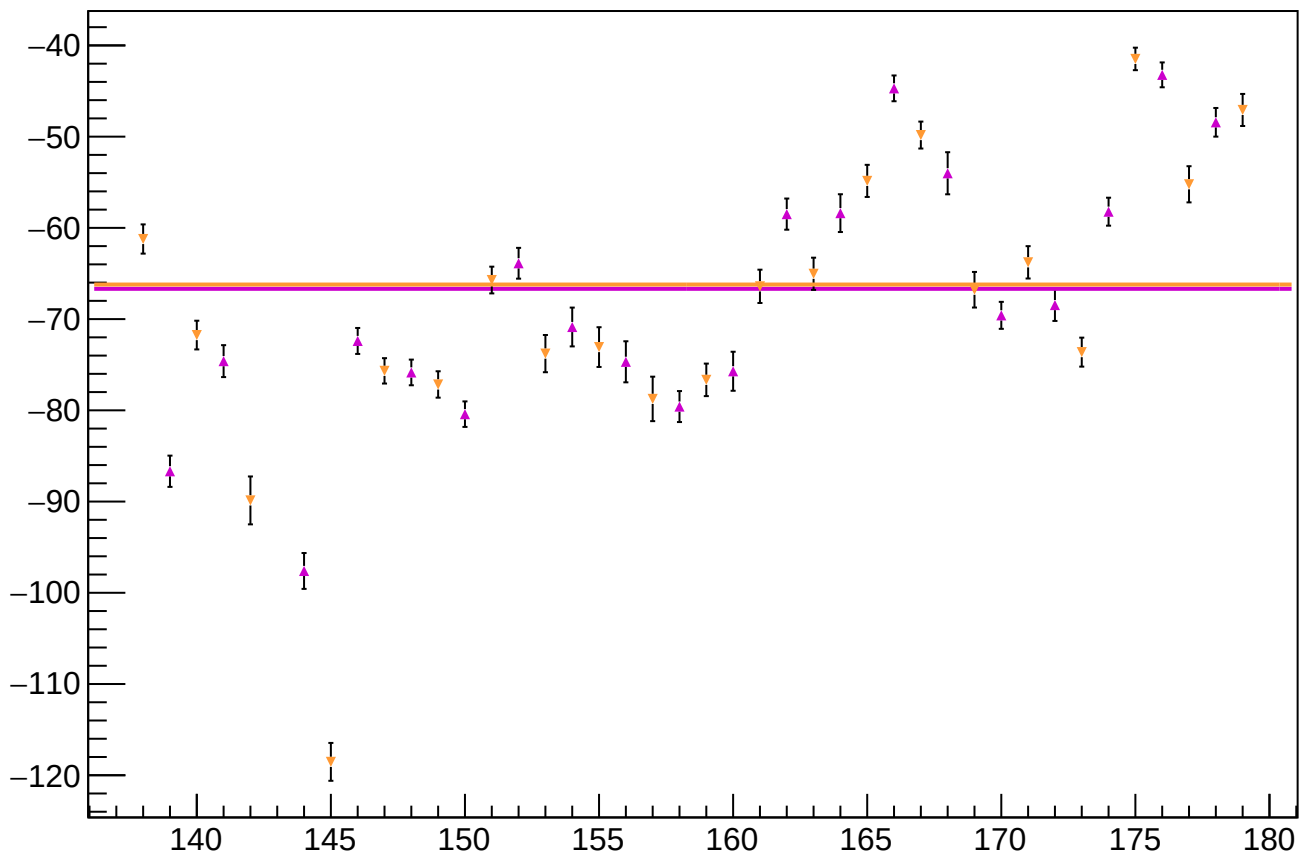
Left In: 0.009 $\pm$ 0.001 χ^2 /NDF: 14.4/19

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 59.7/38

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10533.2/77

- sign 0.007 $\pm$ 0.001 χ^2 /NDF: 10473.6/38

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

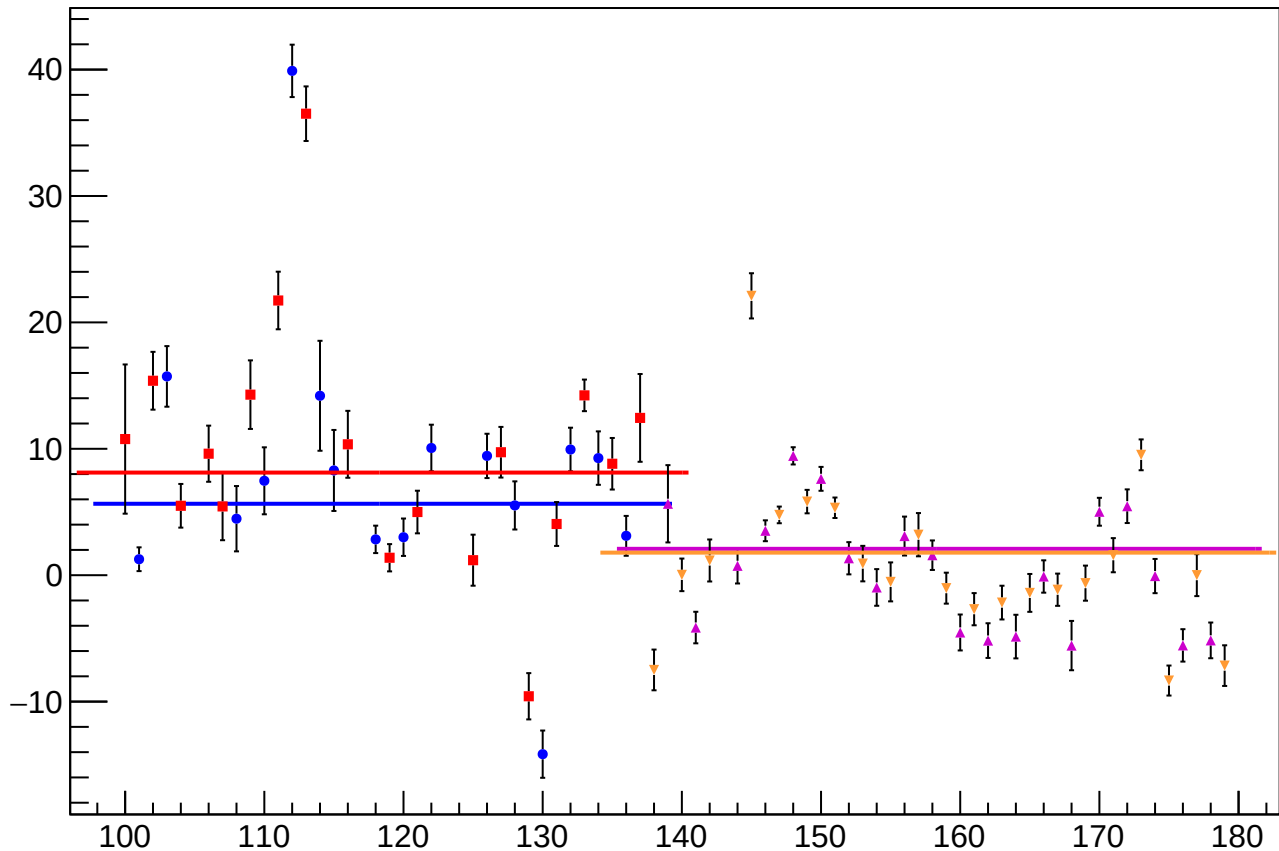
Left In: -66.682+/-0.373 χ^2/NDF :1431.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -66.446+/-0.264 χ^2/NDF : 3100.0/40

- 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 $\chi^2/\text{NDF}: 461.9/15$

Left Out: 1.786 ± 0.267 $\chi^2/\text{NDF}: 410.4/20$

Right Out: 8.119 ± 0.453 $\chi^2/\text{NDF}: 407.9/17$

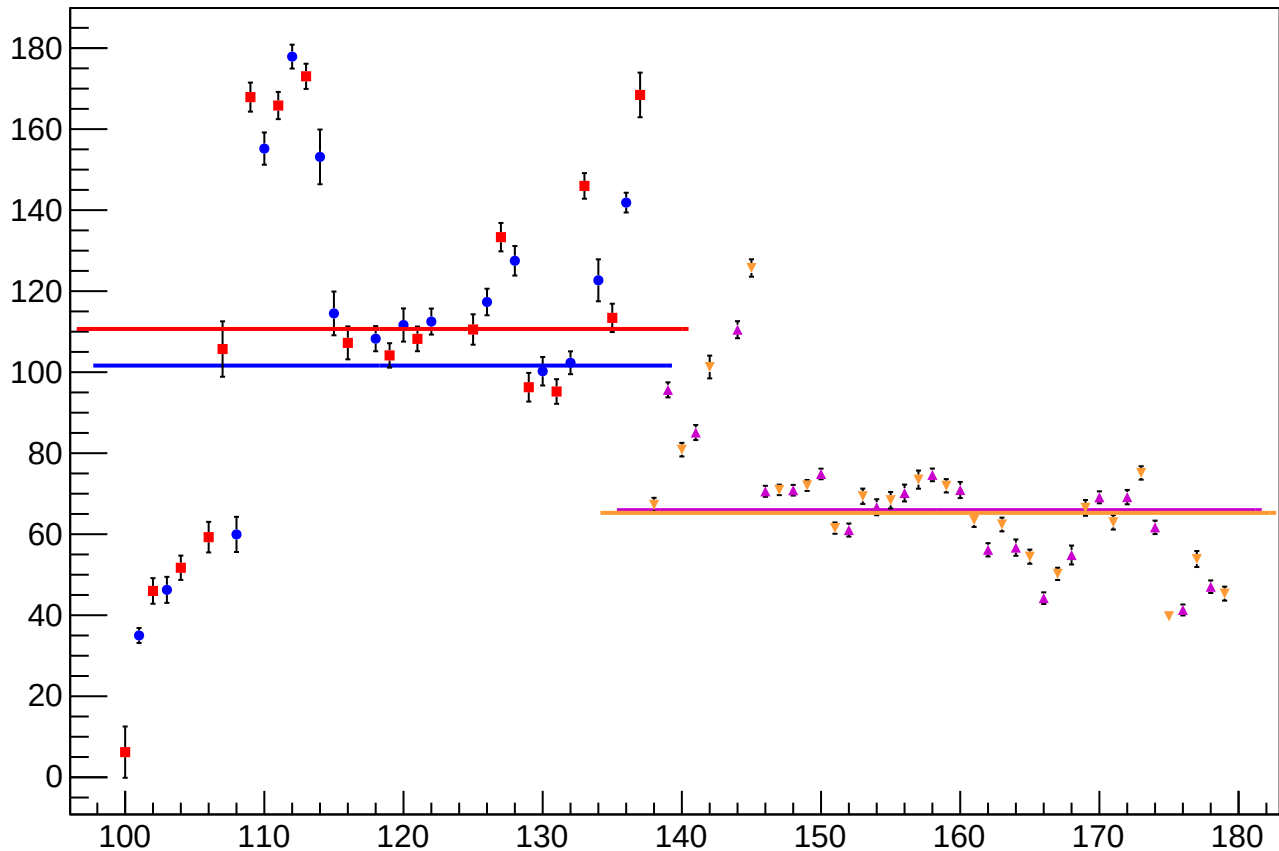
Left In: 2.086 ± 0.272 $\chi^2/\text{NDF}: 348.2/19$

+ sign 2.865 ± 0.227 $\chi^2/\text{NDF}: 930.8/36$

All: 3.264 ± 0.163 $\chi^2/\text{NDF}: 1823.9/74$

- sign 3.687 ± 0.233 $\chi^2/\text{NDF}: 886.7/37$

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

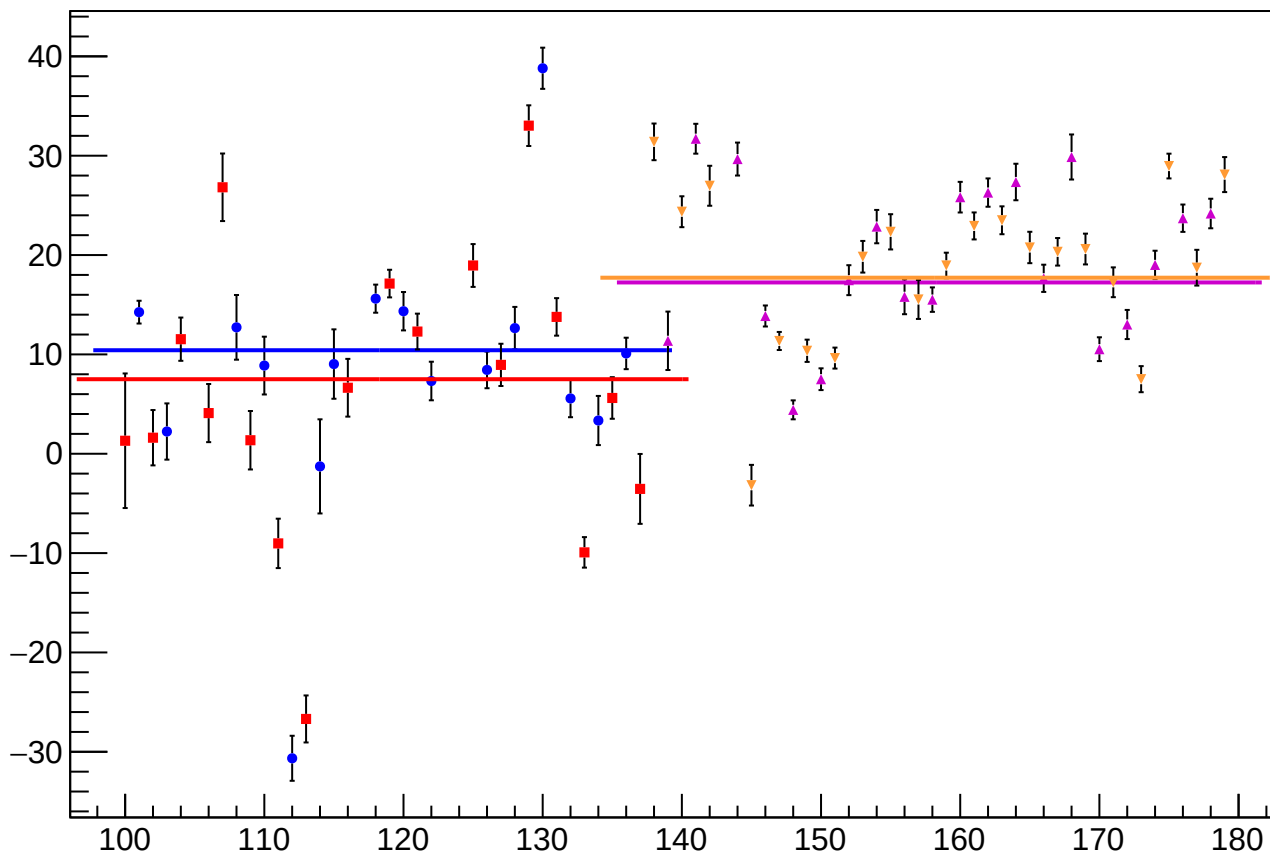
Left In: 65.945 $\pm$ 0.367 χ^2 /NDF:1735.6/19

+ sign 71.453 $\pm$ 0.335 χ^2 /NDF: 6546.6/36

All: 72.314 $\pm$ 0.237 χ^2 /NDF: 13207.8/74

- sign 73.183 $\pm$ 0.336 χ^2 /NDF: 6647.9/37

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 17.720 $\pm$ 0.311 χ^2 /NDF: 579.6/20

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

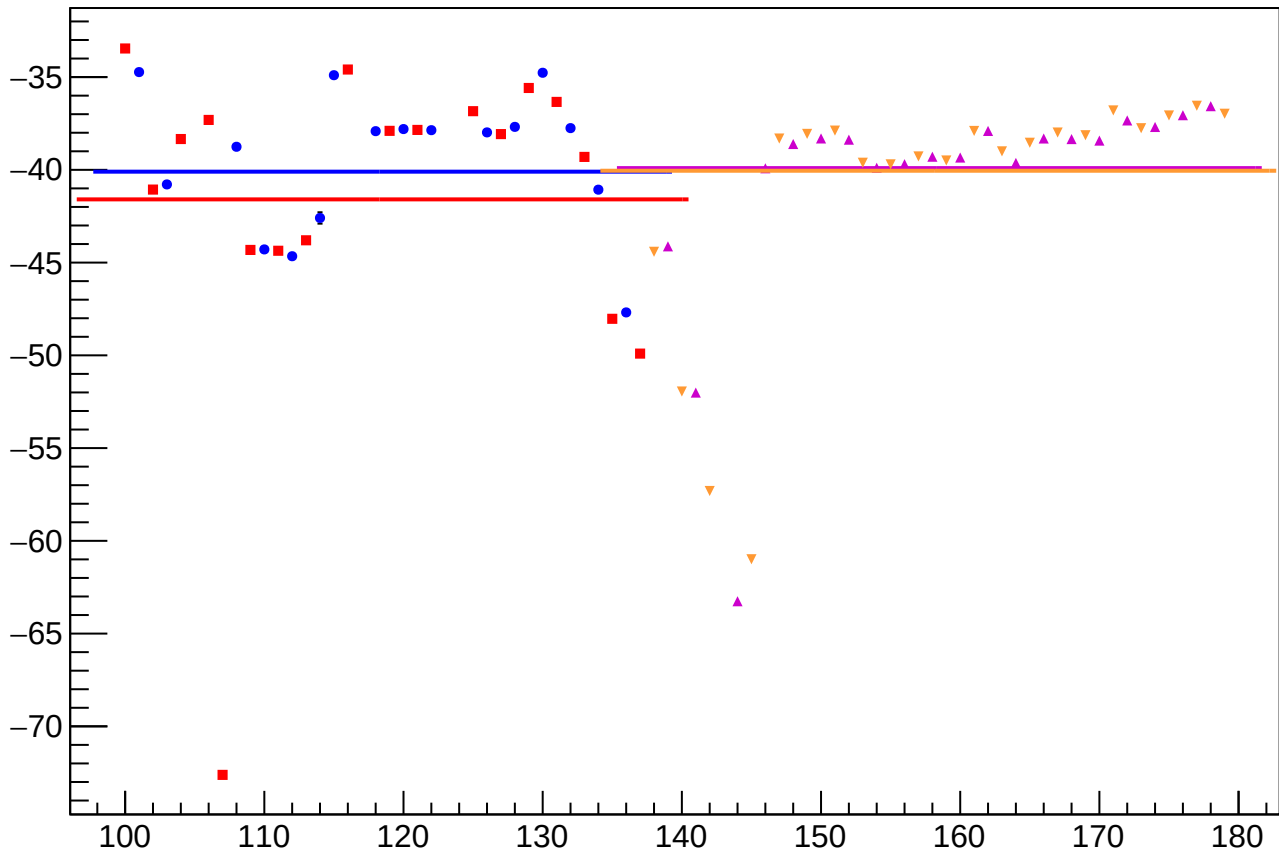
Left In: 17.242 $\pm$ 0.315 χ^2 /NDF: 654.5/19

+ sign 15.671 $\pm$ 0.264 χ^2 /NDF: 1314.3/36

All: 15.175 $\pm$ 0.188 χ^2 /NDF: 2920.0/74

- sign 14.655 $\pm$ 0.270 χ^2 /NDF: 1598.4/37

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

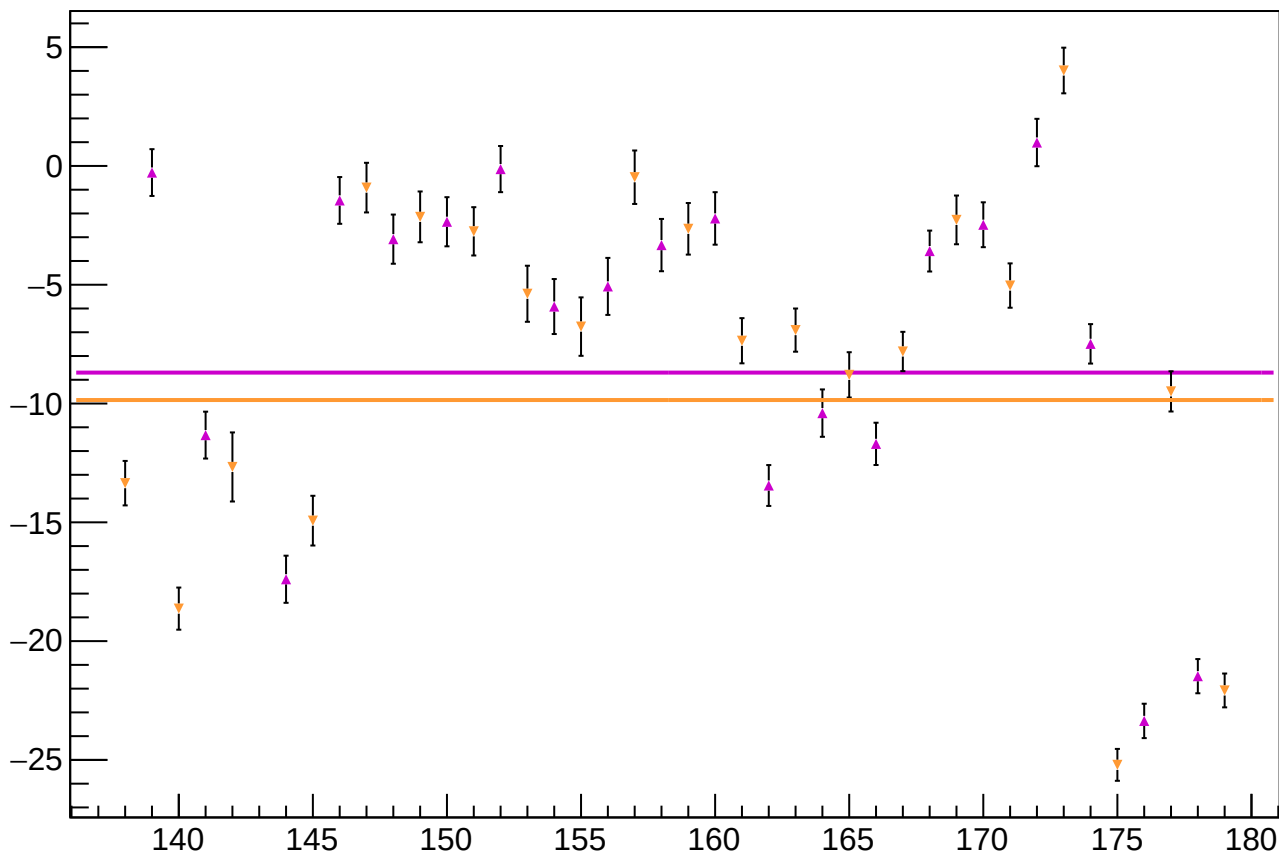
Left In: -39.907 ± 0.015 χ^2/NDF : 106160.4/19

+ sign -40.059 ± 0.013 χ^2/NDF : 156267.4/36

All: -40.159 ± 0.009 χ^2/NDF : 326970.8/74

- sign -40.258 ± 0.013 χ^2/NDF : 170587.8/37

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -9.853 $\pm$ 0.208 χ^2 /NDF:1580.2/20

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

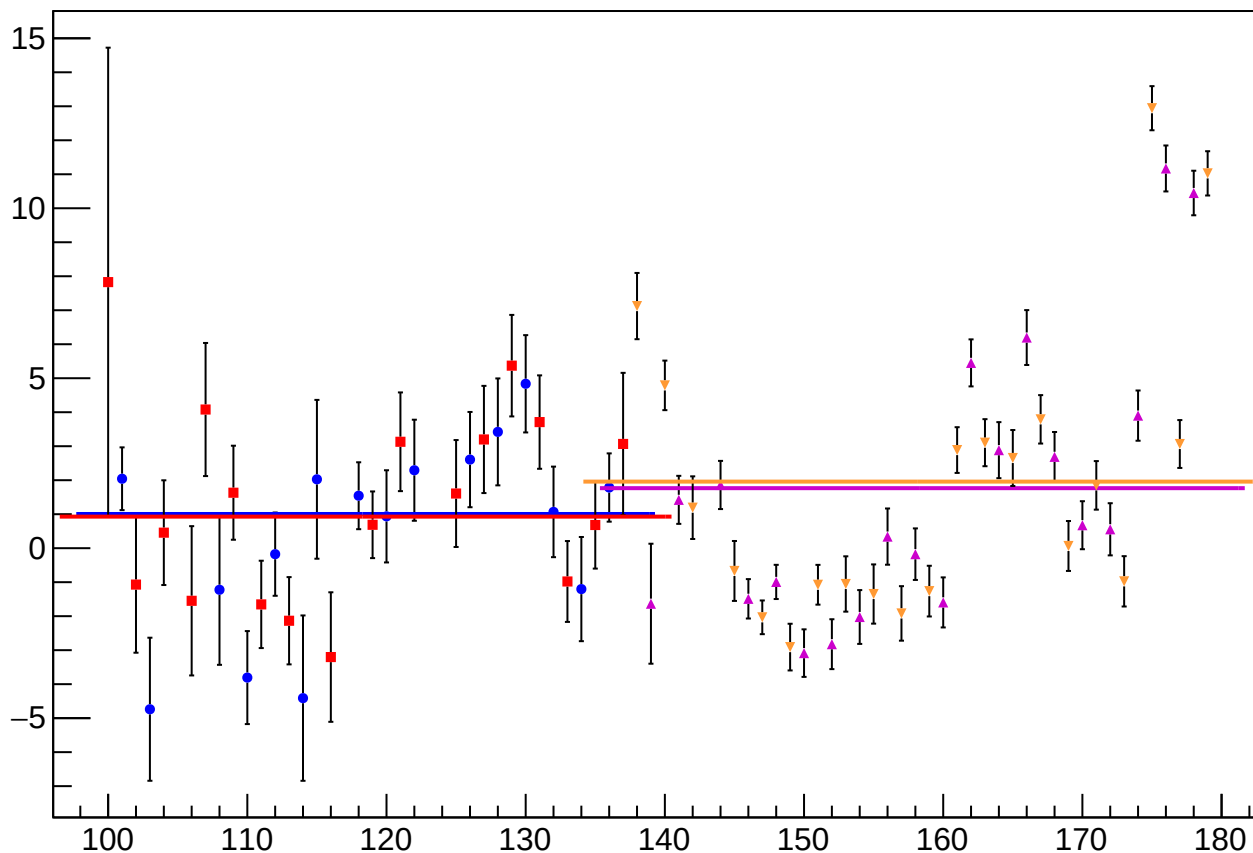
Left In: -8.698 $\pm$ 0.211 χ^2 /NDF:1375.0/19

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

All: -9.284 $\pm$ 0.148 χ^2 /NDF: 2970.5/40

- sign 0.000 $\pm$ 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 $\chi^2/\text{NDF}: 41.9/17$

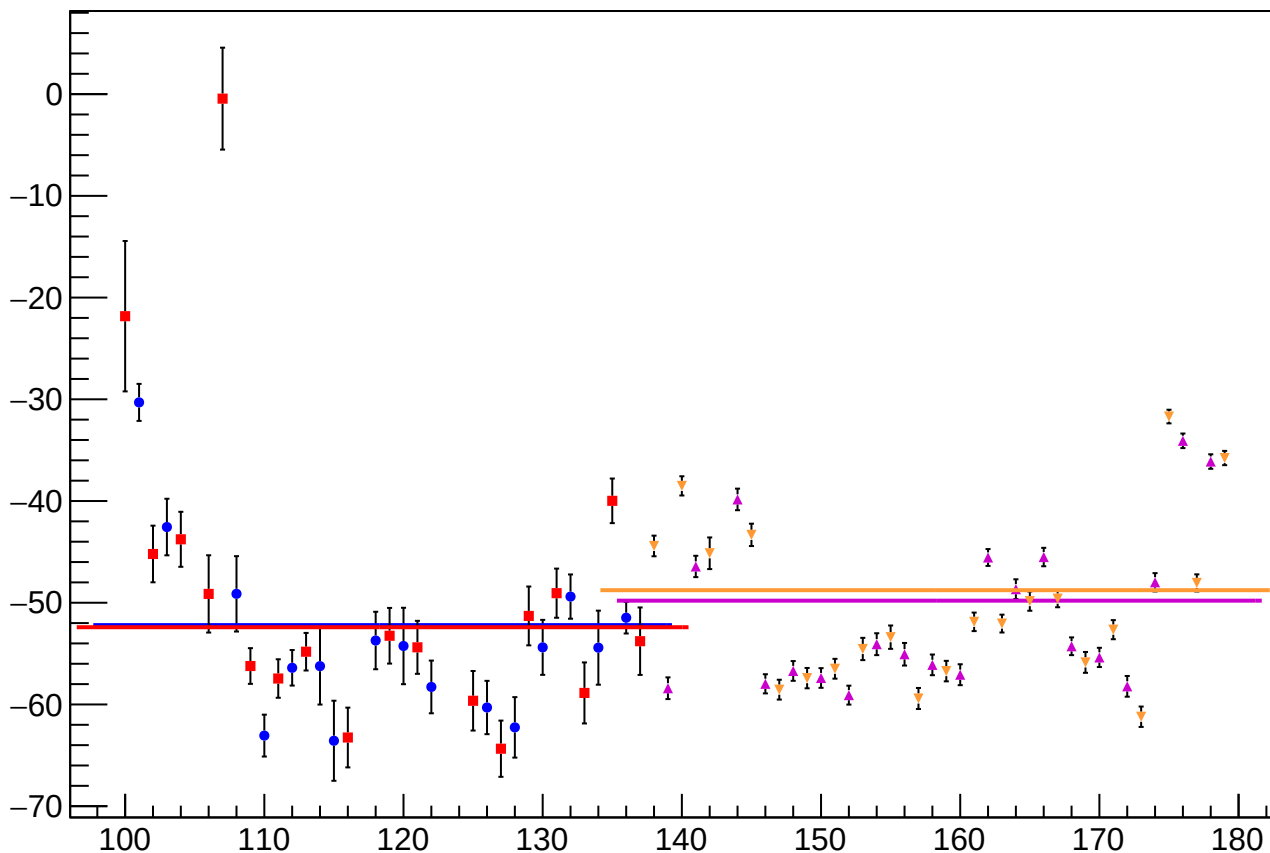
Left In: 1.766 ± 0.161 $\chi^2/\text{NDF}: 650.4/19$

+ sign 1.794 ± 0.142 $\chi^2/\text{NDF}: 831.1/36$

All: 1.710 ± 0.102 $\chi^2/\text{NDF}: 1528.8/74$

- sign 1.622 ± 0.146 $\chi^2/\text{NDF}: 696.9/37$

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

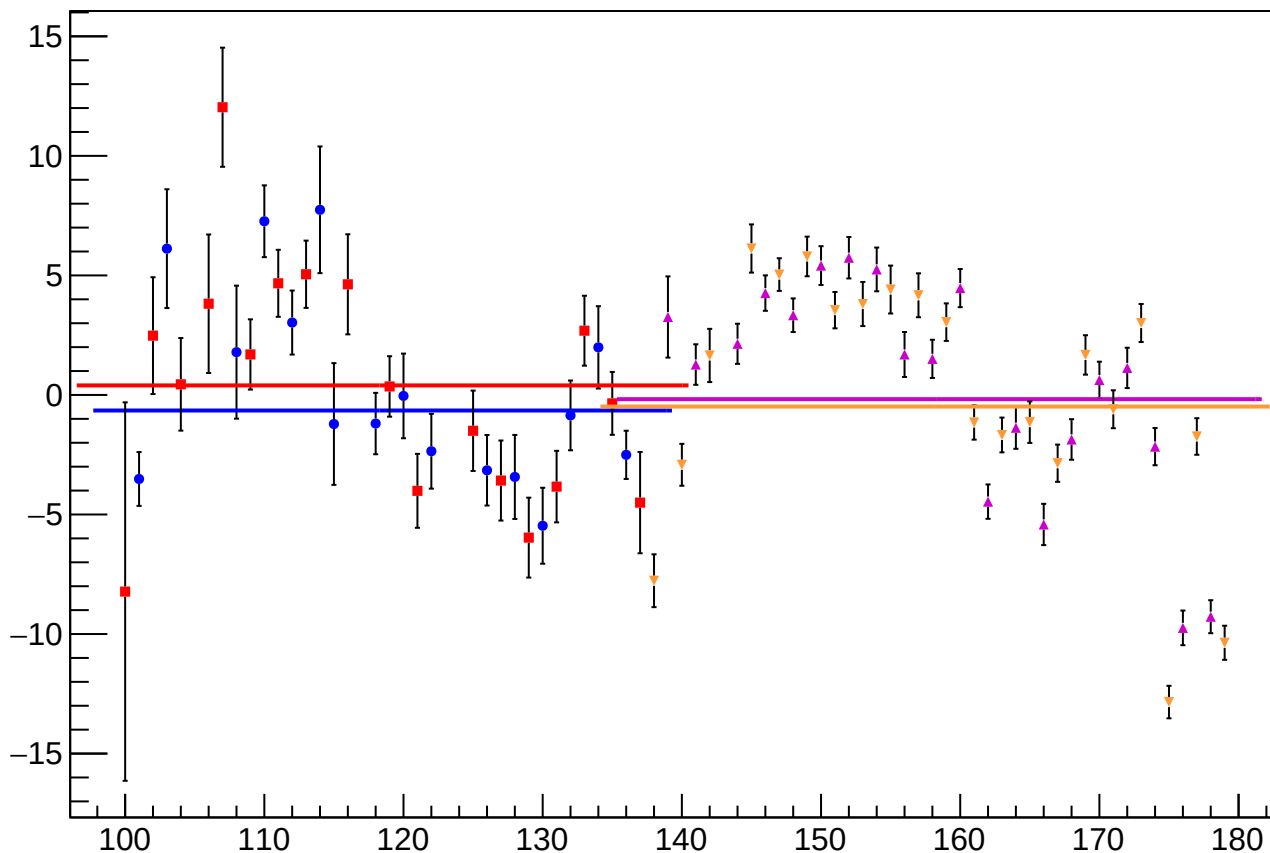
Left In: -49.796 ± 0.209 χ^2/NDF : 1609.4/19

+ sign -49.112 ± 0.195 χ^2/NDF : 2114.4/36

All: -49.581 ± 0.139 χ^2/NDF : 3985.6/74

- sign -50.065 ± 0.198 χ^2/NDF : 1859.4/37

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

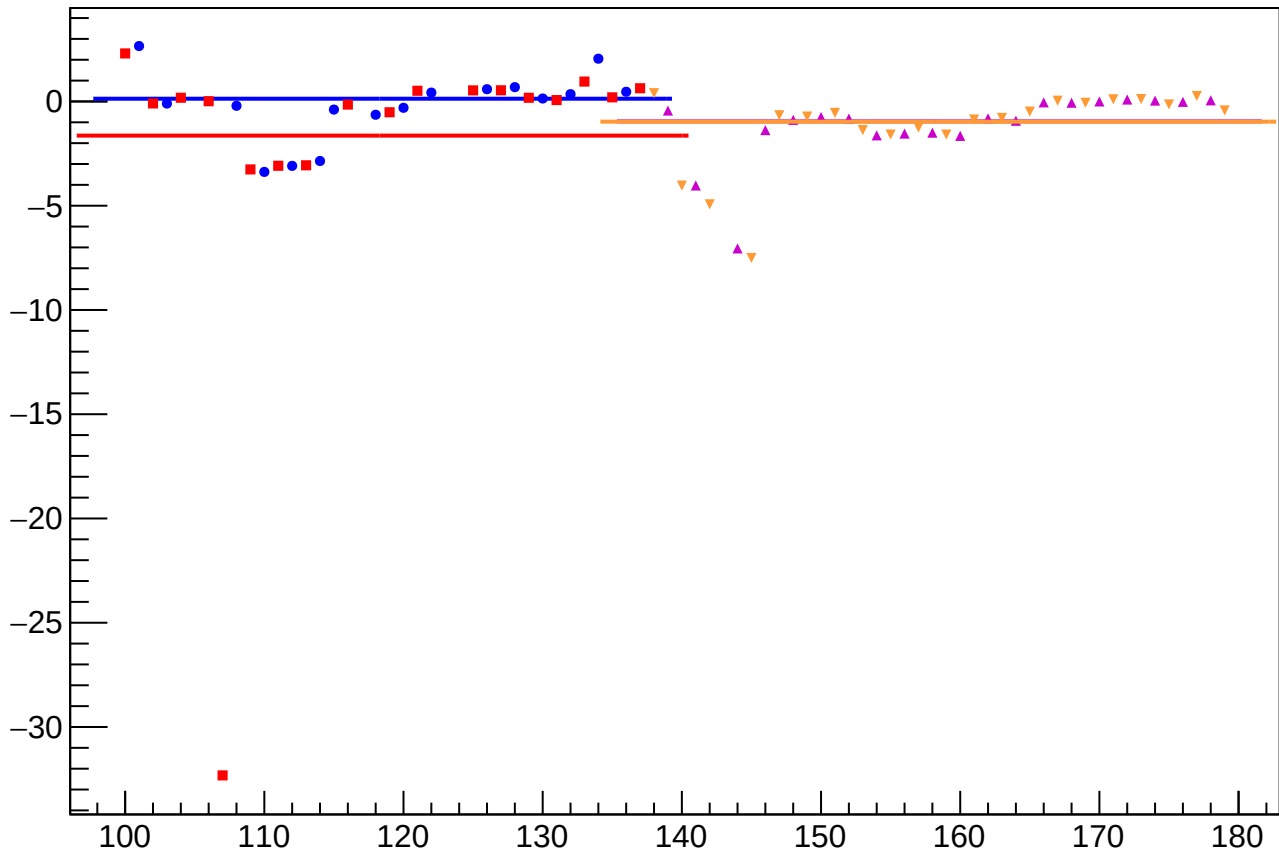
Left In: -0.177 ± 0.182 χ^2/NDF : 683.2/19

+ sign -0.515 ± 0.162 χ^2/NDF : 987.9/36

All: -0.302 ± 0.116 χ^2/NDF : 1772.3/74

- sign -0.078 ± 0.166 χ^2/NDF : 780.8/37

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -0.970 ± 0.008 $\chi^2/\text{NDF}: 40542.4/20$

Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$

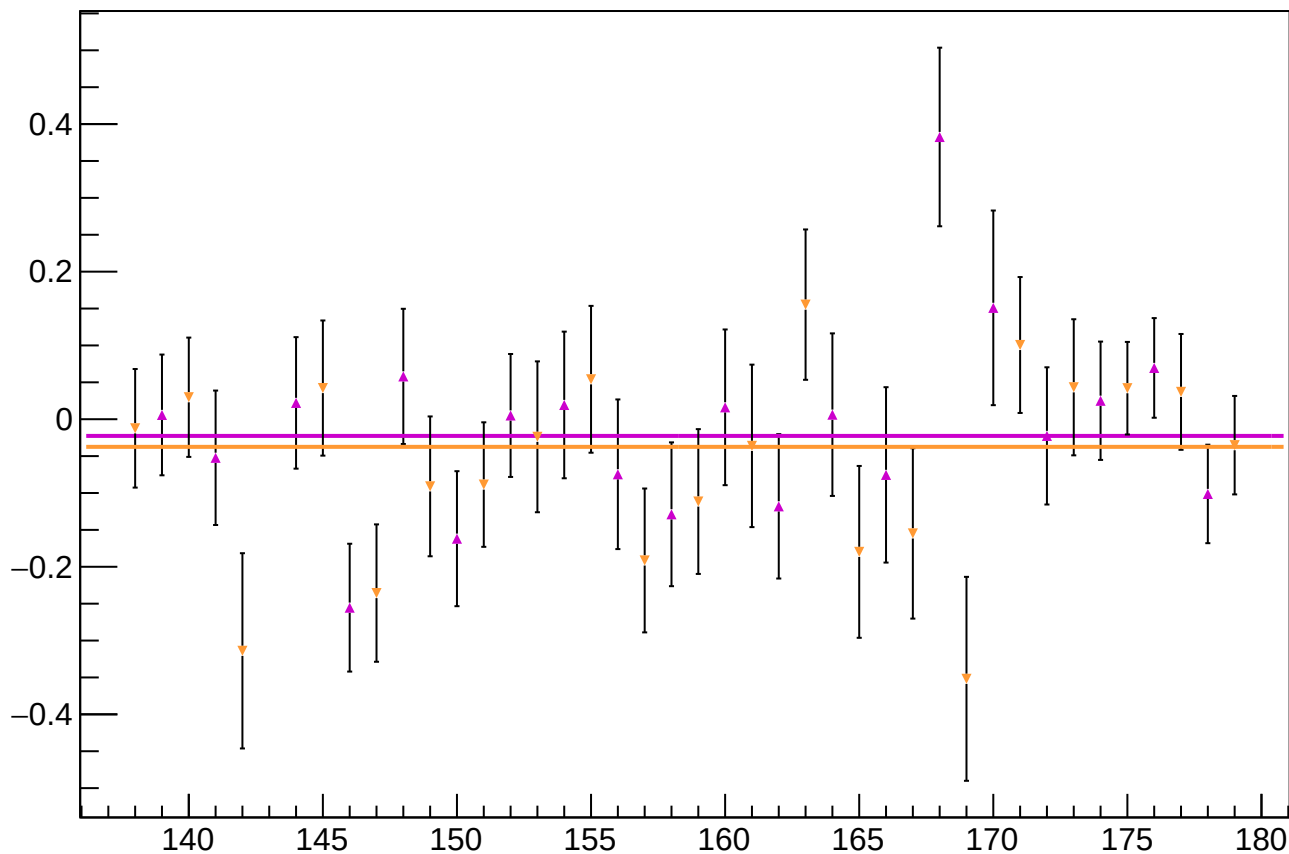
Left In: -0.955 ± 0.008 $\chi^2/\text{NDF}: 29654.9/19$

+ sign -0.831 ± 0.008 $\chi^2/\text{NDF}: 48071.9/36$

All: -0.935 ± 0.005 $\chi^2/\text{NDF}: 156802.0/74$

- sign -1.041 ± 0.008 $\chi^2/\text{NDF}: 108359.4/37$

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

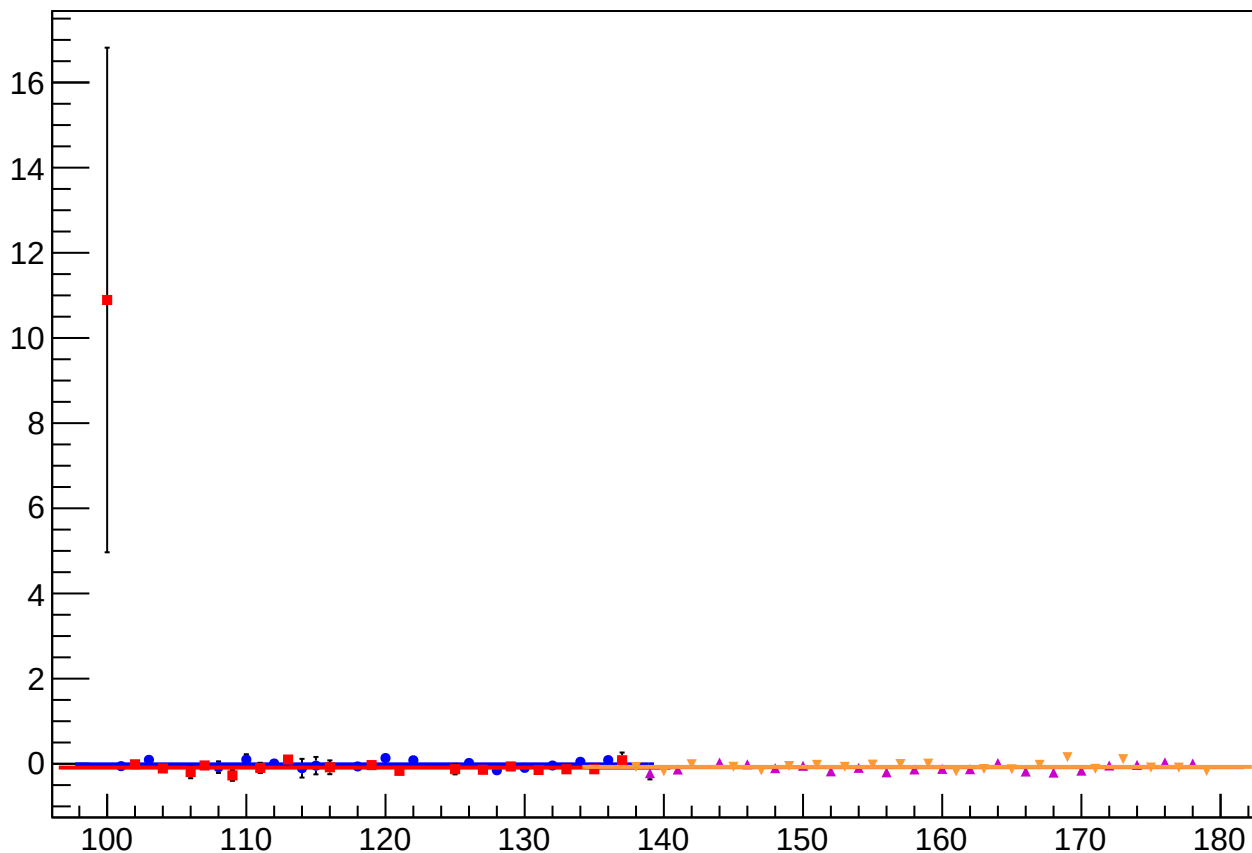
Left In: -0.023 $\pm$ 0.020 χ^2 /NDF: 30.4/19

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

All: -0.030 $\pm$ 0.014 χ^2 /NDF: 62.6/40

- 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

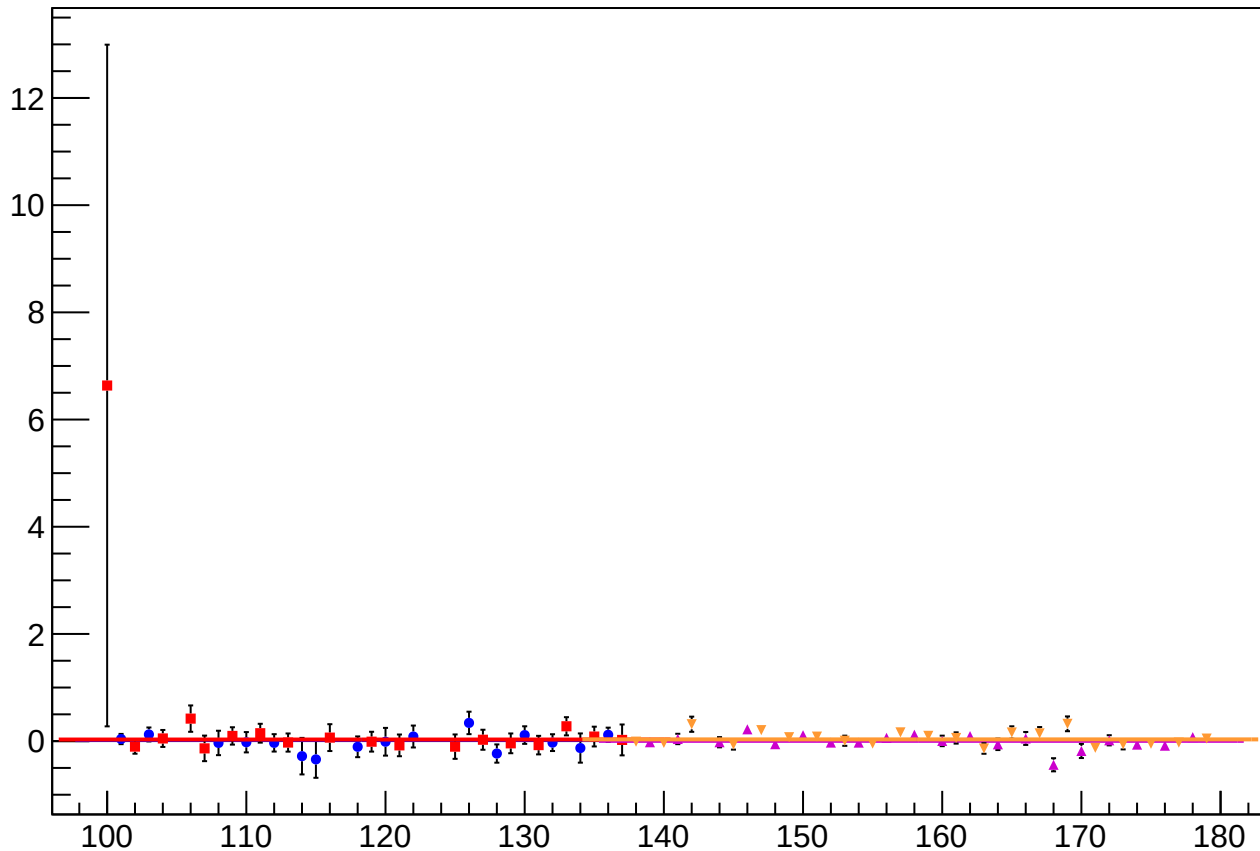
Left In: -0.078 ± 0.015 χ^2/NDF : 23.7/19

+ sign -0.056 ± 0.013 χ^2/NDF : 44.1/36

All: -0.068 ± 0.009 χ^2/NDF : 82.9/74

- sign -0.081 ± 0.013 χ^2/NDF : 36.8/37

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

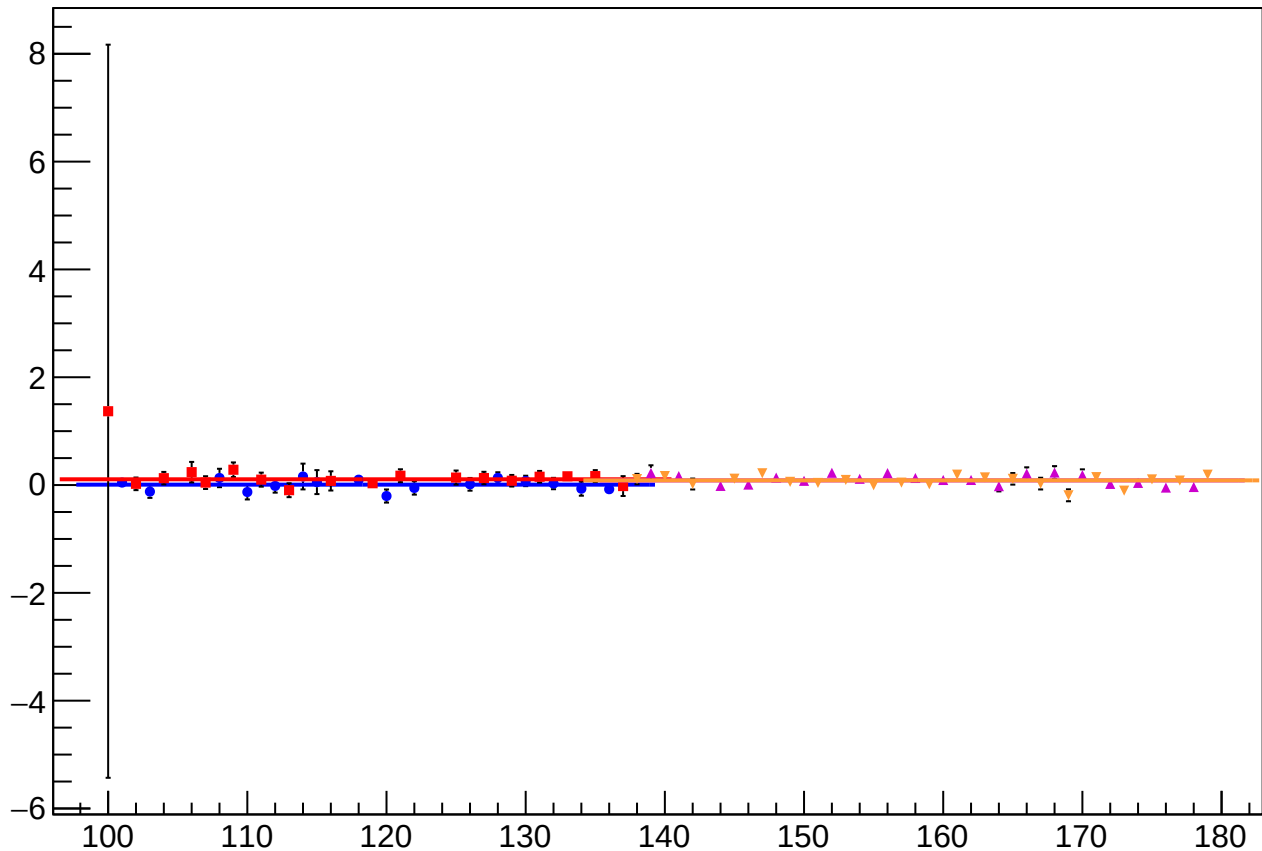
Left In: 0.006 ± 0.020 χ^2/NDF : 31.6/19

+ sign 0.030 ± 0.018 χ^2/NDF : 38.6/36

All: 0.020 ± 0.013 χ^2/NDF : 80.3/74

- sign 0.010 ± 0.018 χ^2/NDF : 41.1/37

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.087 $\pm$ 0.017 χ^2 /NDF: 27.7/20

Right Out: 0.107 $\pm$ 0.029 χ^2 /NDF: 8.2/17

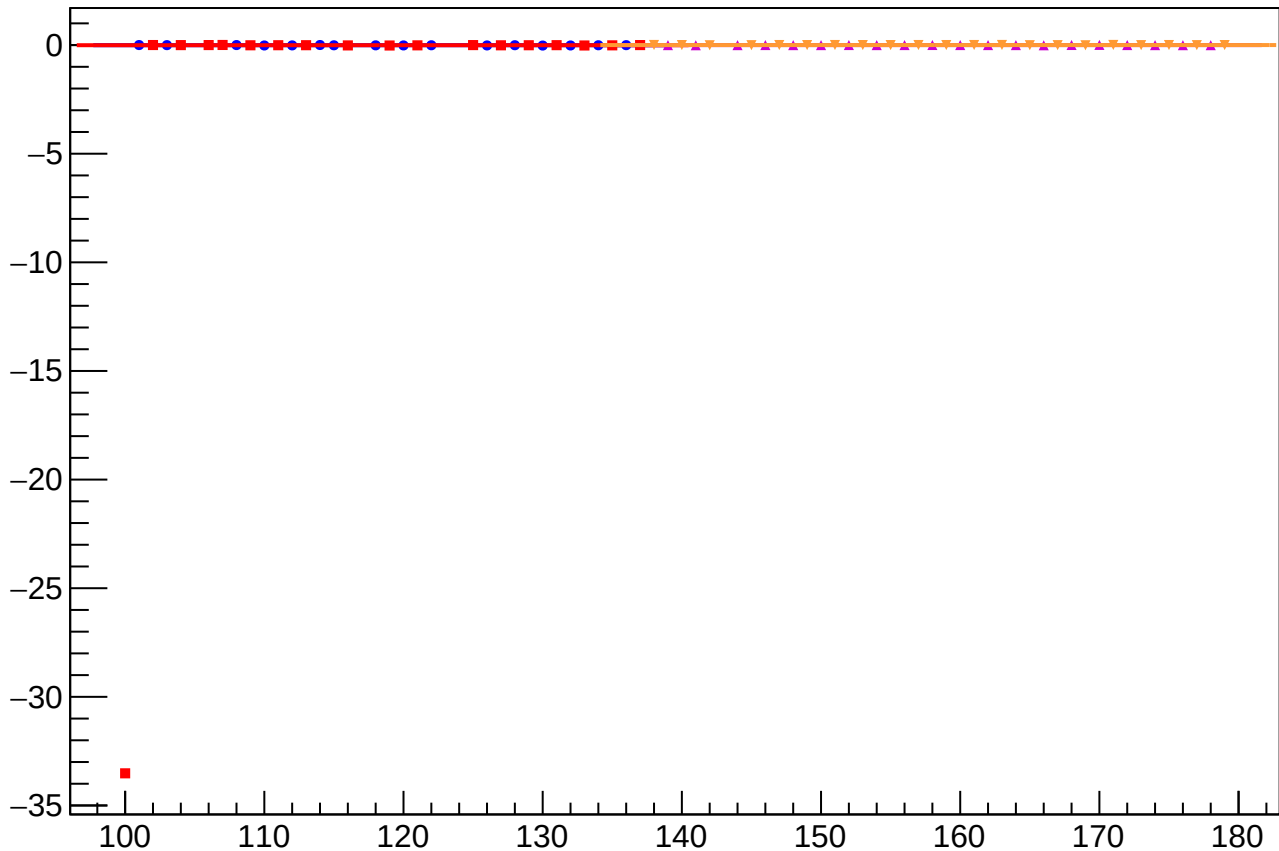
Left In: 0.086 $\pm$ 0.018 χ^2 /NDF: 26.4/19

+ sign 0.064 $\pm$ 0.014 χ^2 /NDF: 45.1/36

All: 0.077 $\pm$ 0.010 χ^2 /NDF: 81.8/74

- sign 0.092 $\pm$ 0.015 χ^2 /NDF: 34.9/37

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

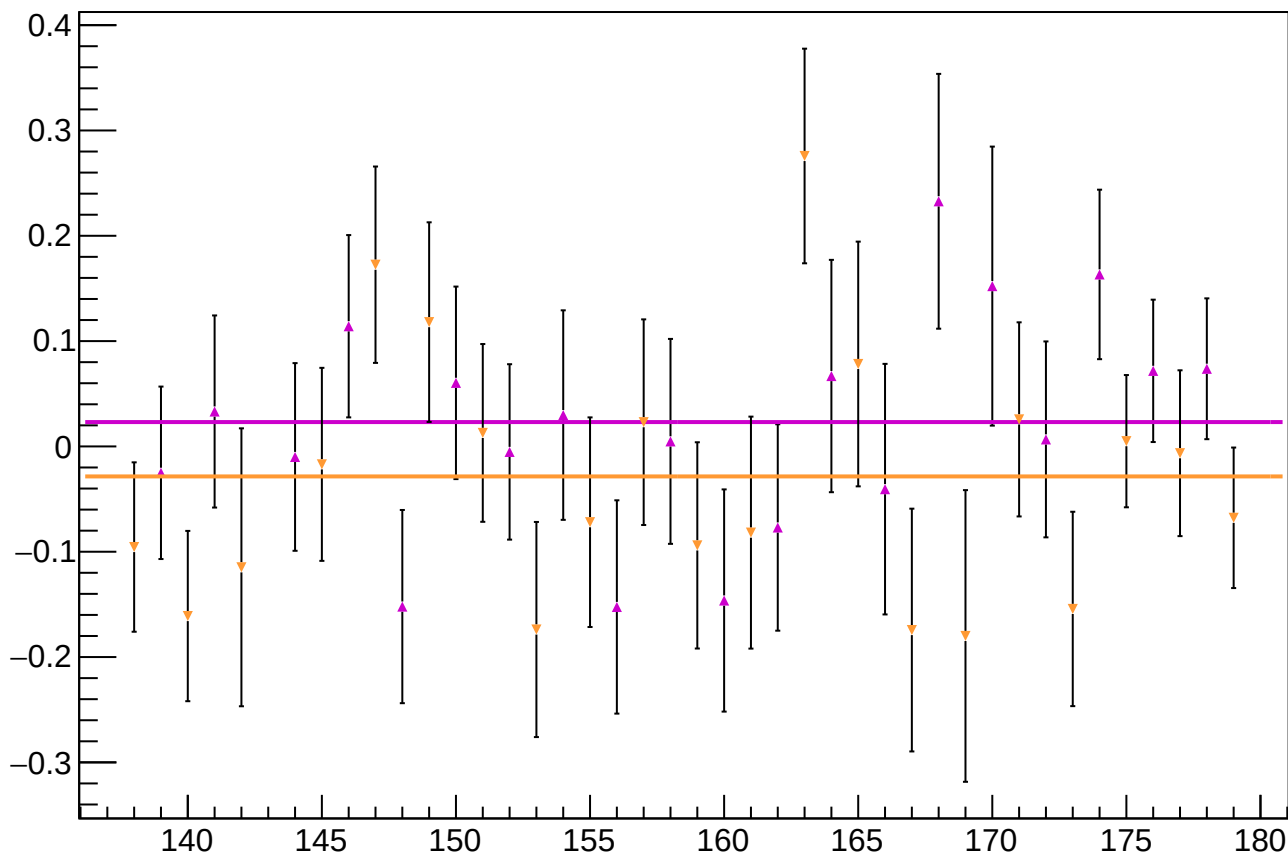
Left In: -0.000 ± 0.001 χ^2/NDF : 18.5/19

+ sign -0.001 ± 0.001 χ^2/NDF : 55.7/36

All: -0.001 ± 0.000 χ^2/NDF : 26595.2/74

- sign -0.002 ± 0.001 χ^2/NDF : 26538.7/37

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

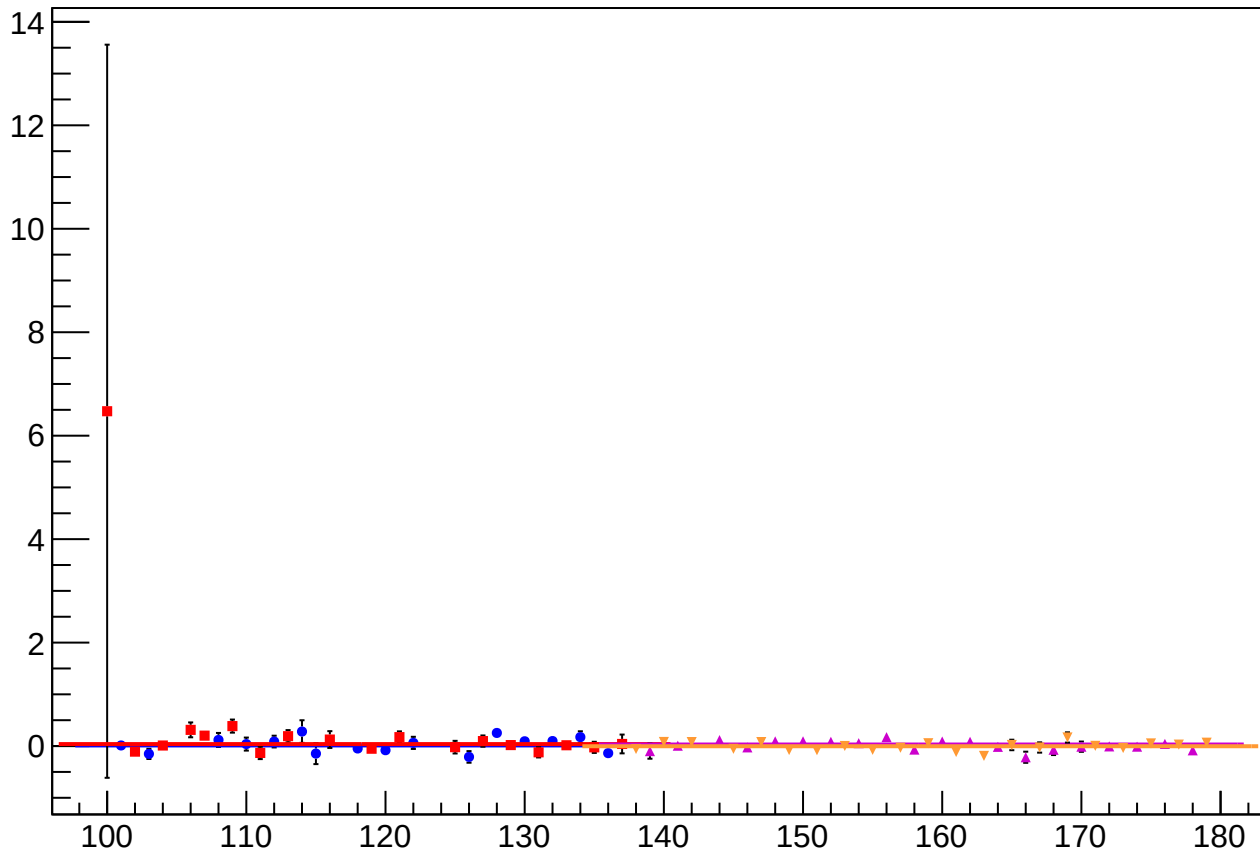
Left In: 0.023 $\pm$ 0.020 χ^2 /NDF: 20.8/19

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

All: -0.003 $\pm$ 0.014 χ^2 /NDF: 53.8/40

- 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

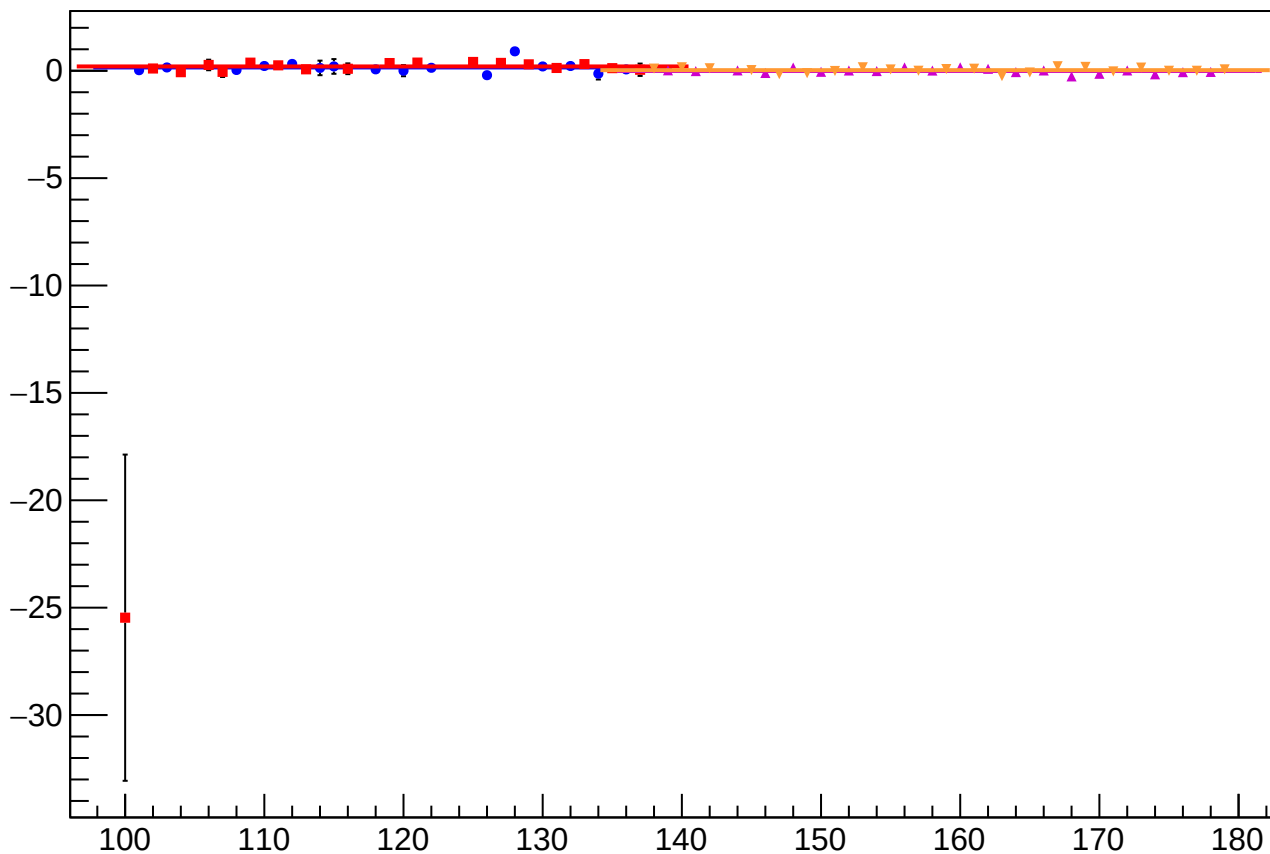
Left In: 0.030 ± 0.015 χ^2/NDF : 25.6/19

+ sign 0.001 ± 0.013 χ^2/NDF : 51.2/36

All: 0.016 ± 0.009 χ^2/NDF : 108.2/74

- sign 0.032 ± 0.013 χ^2/NDF : 54.1/37

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.027 $\pm$ 0.020 χ^2 /NDF: 28.8/20

Right Out: 0.201 $\pm$ 0.045 χ^2 /NDF: 22.6/17

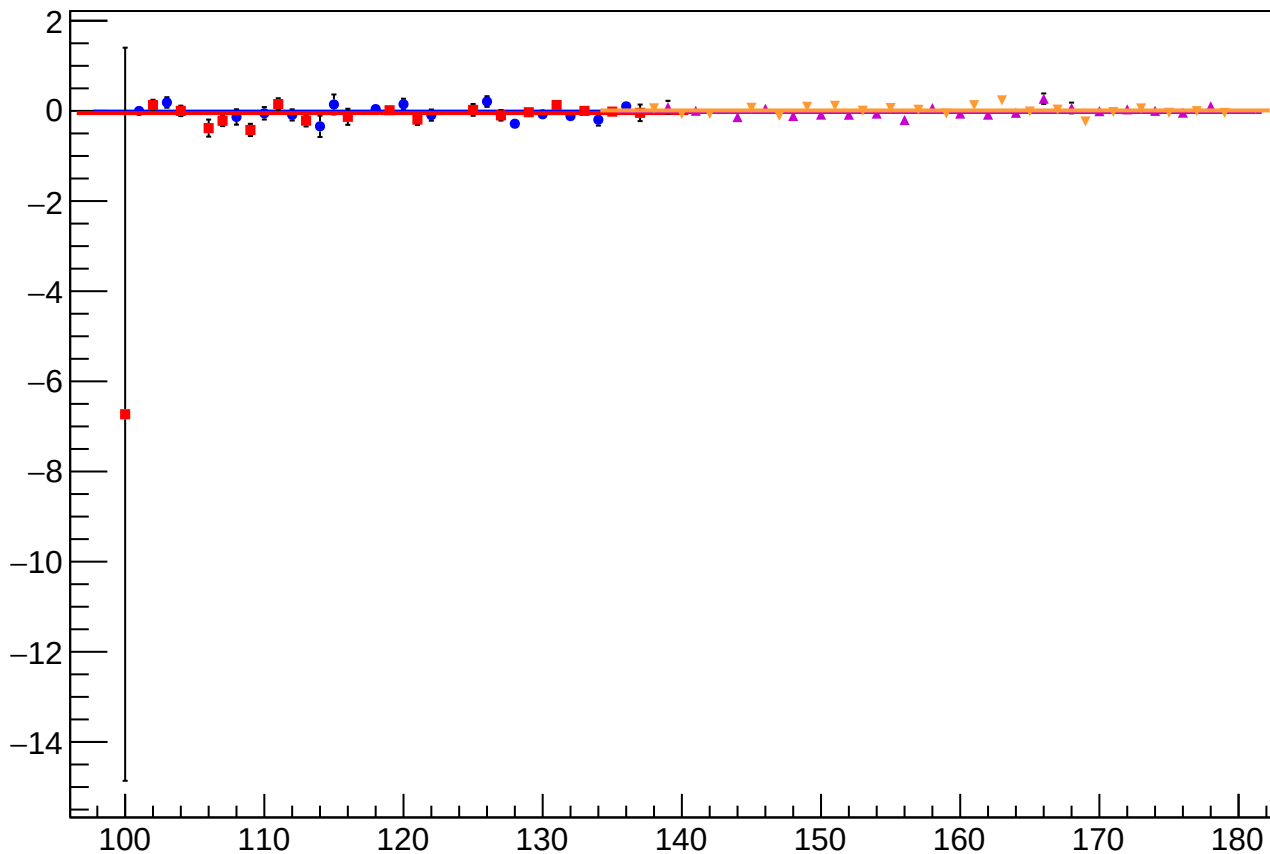
Left In: -0.011 $\pm$ 0.020 χ^2 /NDF: 22.3/19

+ sign 0.049 $\pm$ 0.018 χ^2 /NDF: 64.0/36

All: 0.037 $\pm$ 0.013 χ^2 /NDF: 128.4/74

- sign 0.024 $\pm$ 0.018 χ^2 /NDF: 63.4/37

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

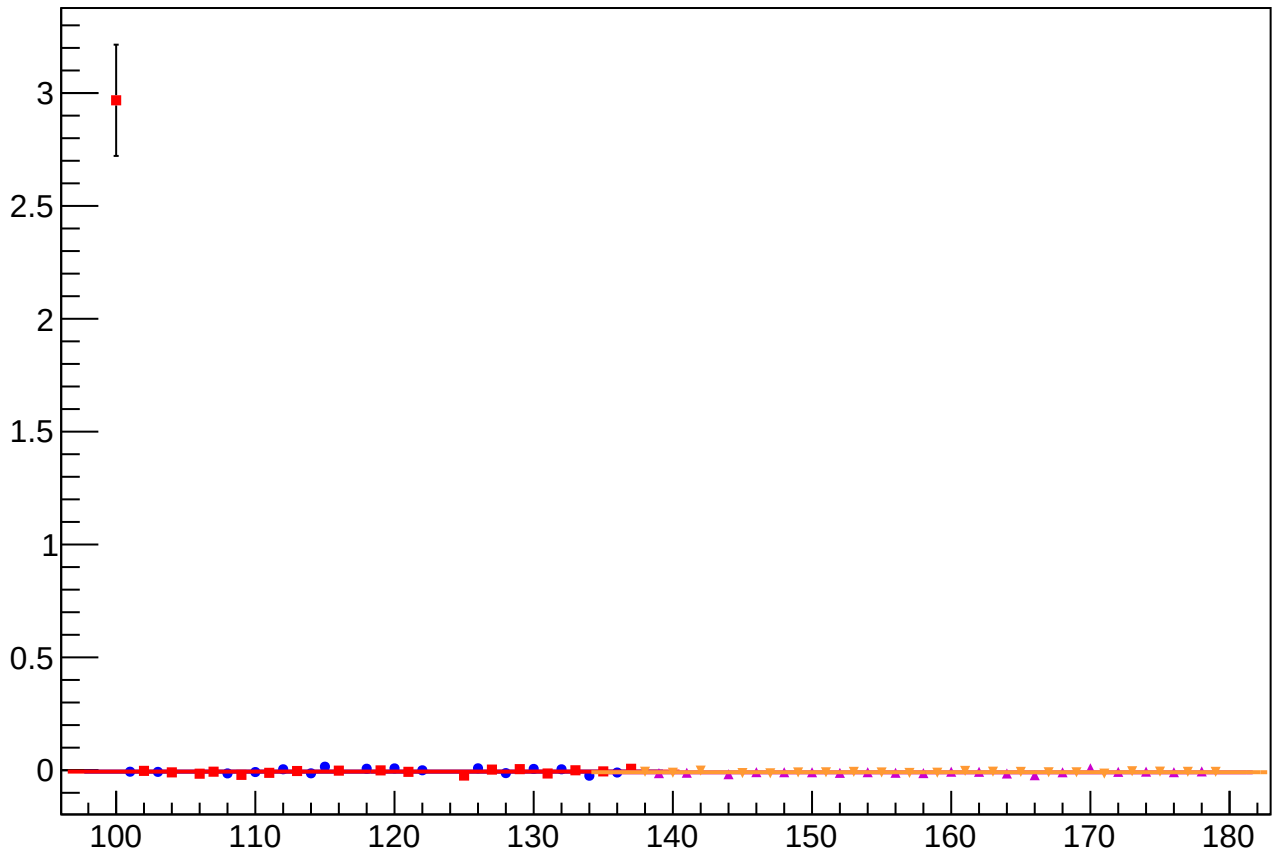
Left In: -0.024 ± 0.018 χ^2/NDF : 26.7/19

+ sign 0.003 ± 0.014 χ^2/NDF : 52.9/36

All: -0.013 ± 0.010 χ^2/NDF : 108.7/74

- sign -0.031 ± 0.015 χ^2/NDF : 53.2/37

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

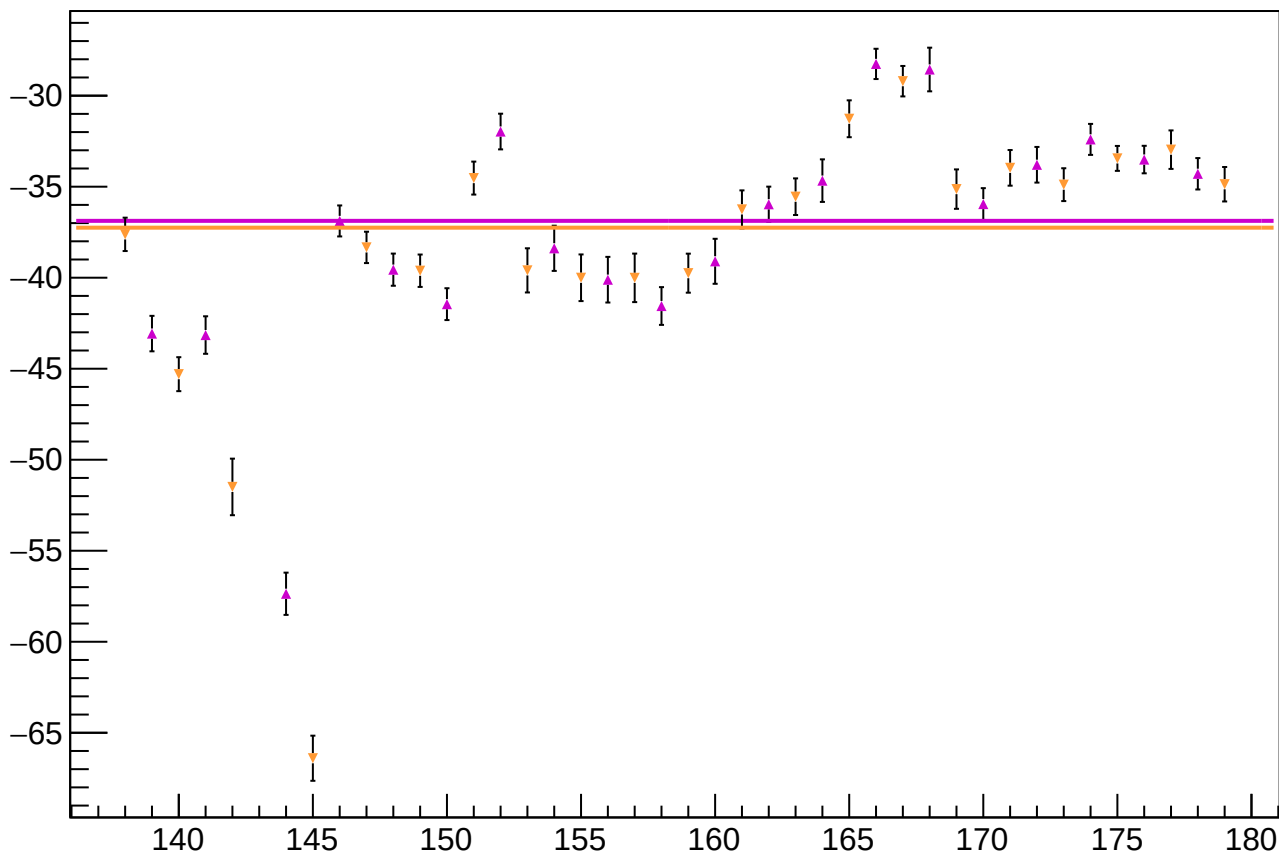
Left In: -0.009 ± 0.001 χ^2/NDF : 32.6/19

+ sign -0.008 ± 0.001 χ^2/NDF : 45.6/36

All: -0.008 ± 0.000 χ^2/NDF : 248.2/74

- sign -0.009 ± 0.001 χ^2/NDF : 202.5/37

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -37.251 $\pm$ 0.216 χ^2 /NDF:954.1/20

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

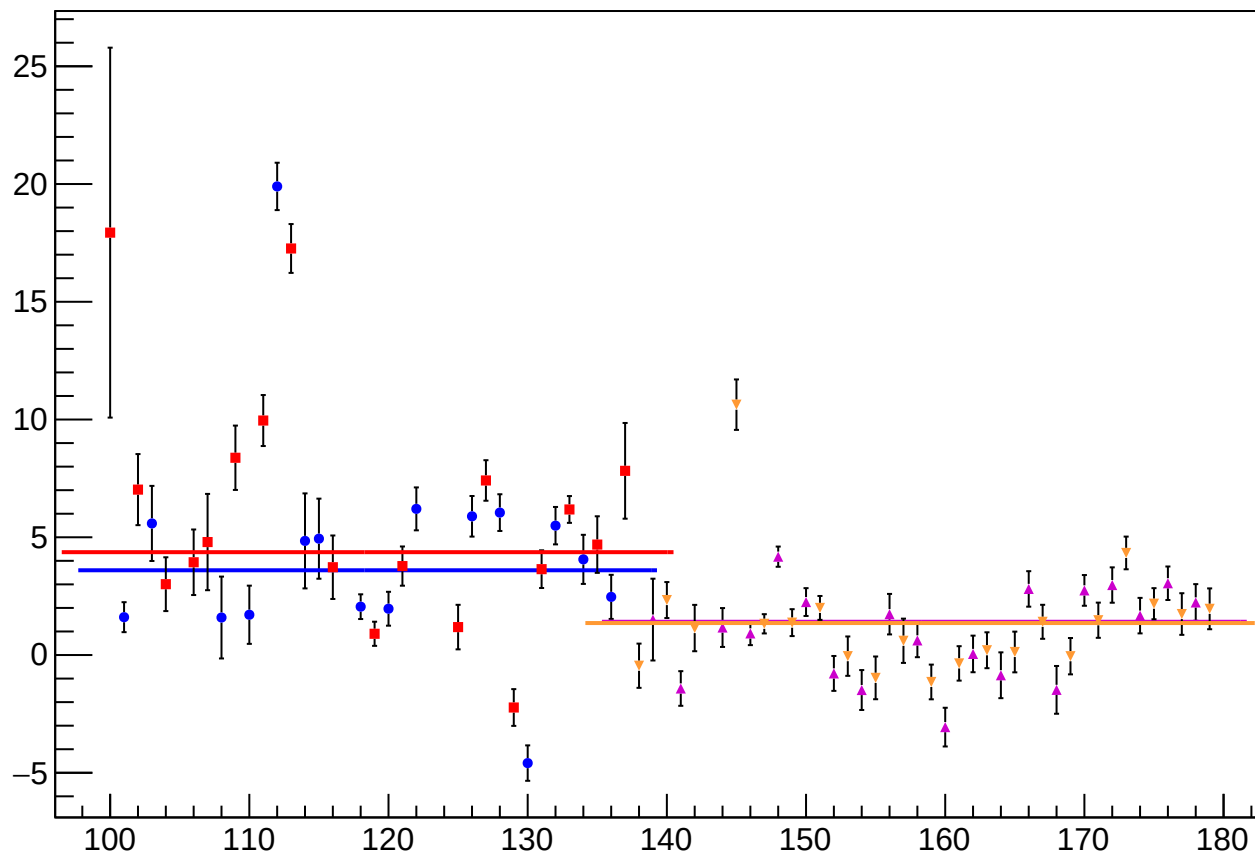
Left In: -36.877 $\pm$ 0.216 χ^2 /NDF:710.0/19

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

All: -37.065 $\pm$ 0.153 χ^2 /NDF: 1665.6/40

- sign 0.000 $\pm$ 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

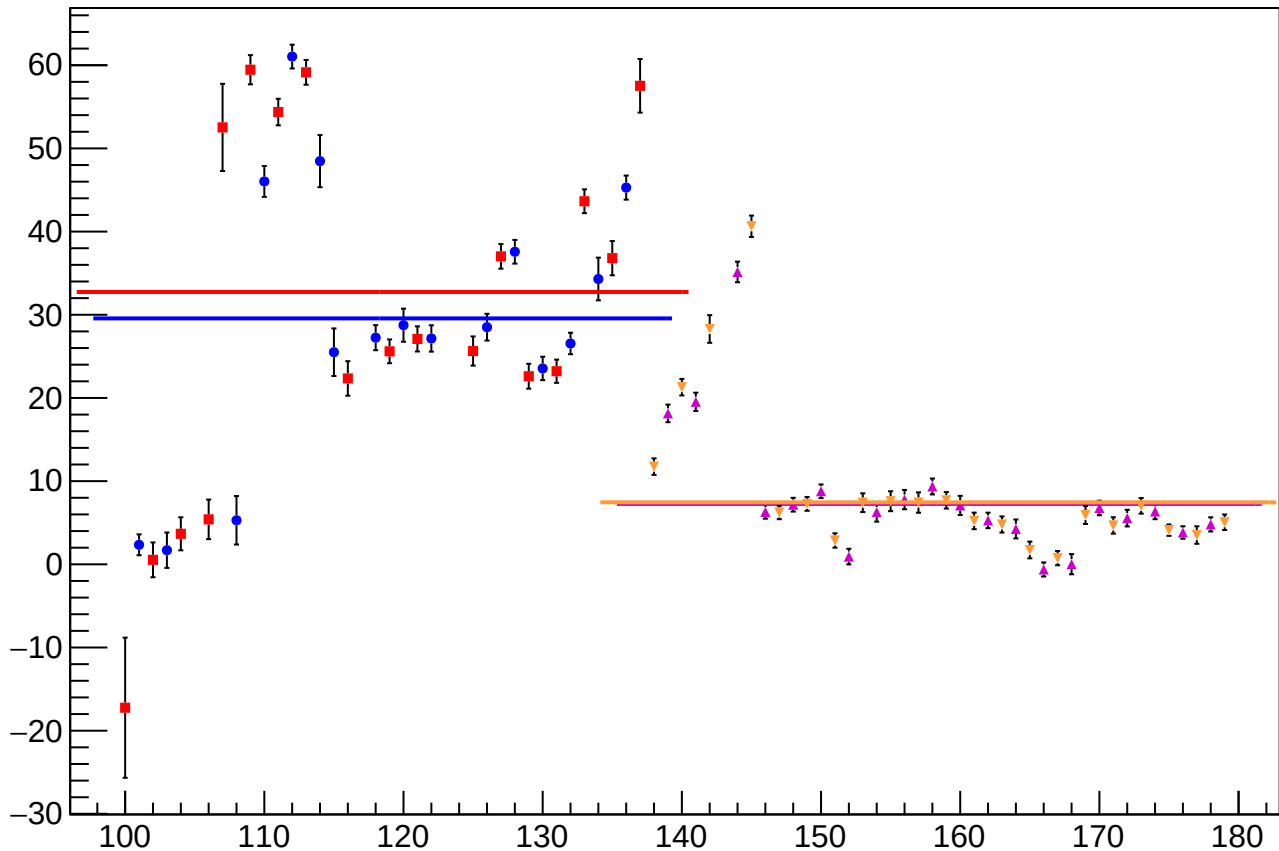
Left In: 1.412 ± 0.160 χ^2/NDF : 146.0/19

+ sign 2.112 ± 0.128 χ^2/NDF : 649.3/36

All: 2.257 ± 0.091 χ^2/NDF : 1265.6/74

- sign 2.408 ± 0.130 χ^2/NDF : 613.7/37

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

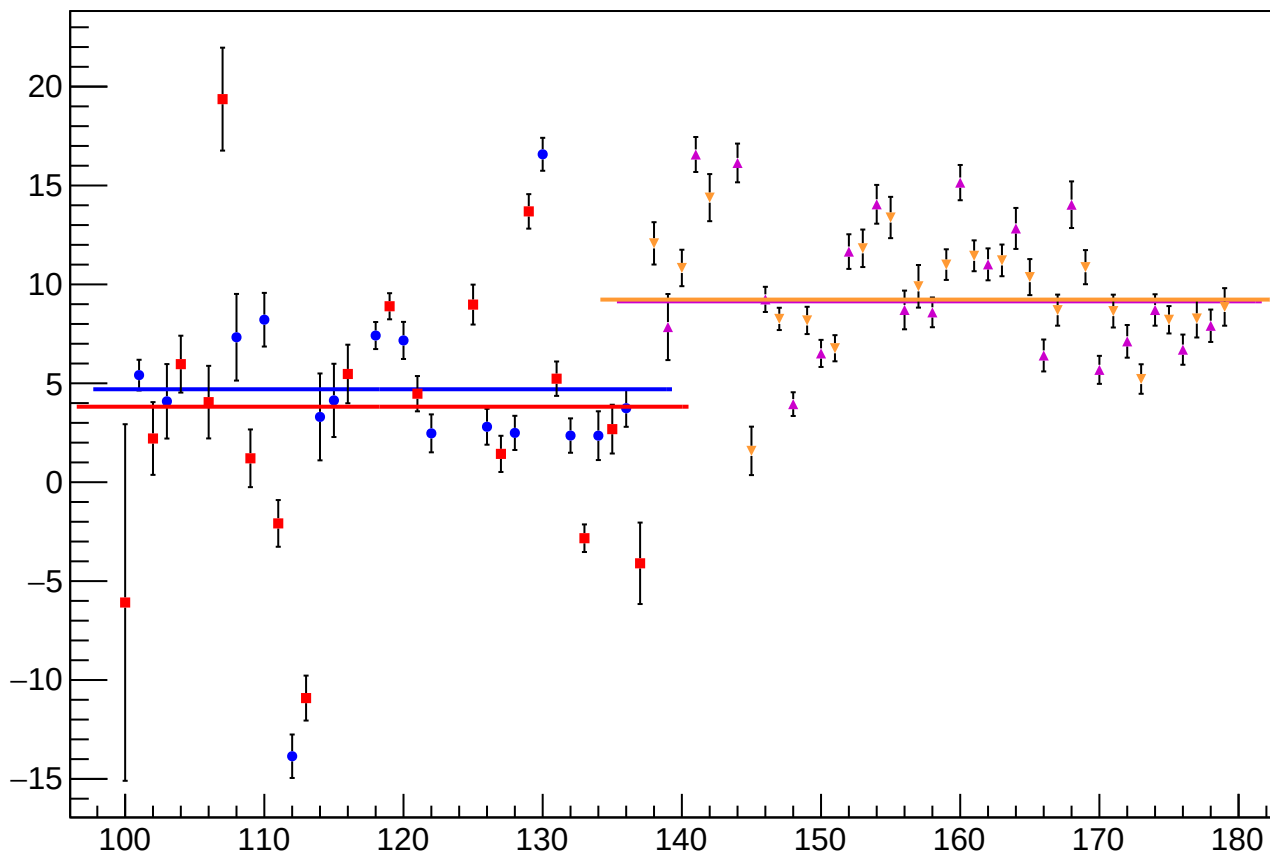
Left In: 7.261 $\pm$ 0.214 χ^2 /NDF: 960.0/19

+ sign 11.973 $\pm$ 0.190 χ^2 /NDF: 4931.3/36

All: 12.205 $\pm$ 0.134 χ^2 /NDF: 10452.1/74

- sign 12.440 $\pm$ 0.191 χ^2 /NDF: 5517.8/37

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 9.232 ± 0.181 $\chi^2/\text{NDF}: 168.5/20$

Right Out: 3.817 ± 0.258 $\chi^2/\text{NDF}: 567.6/17$

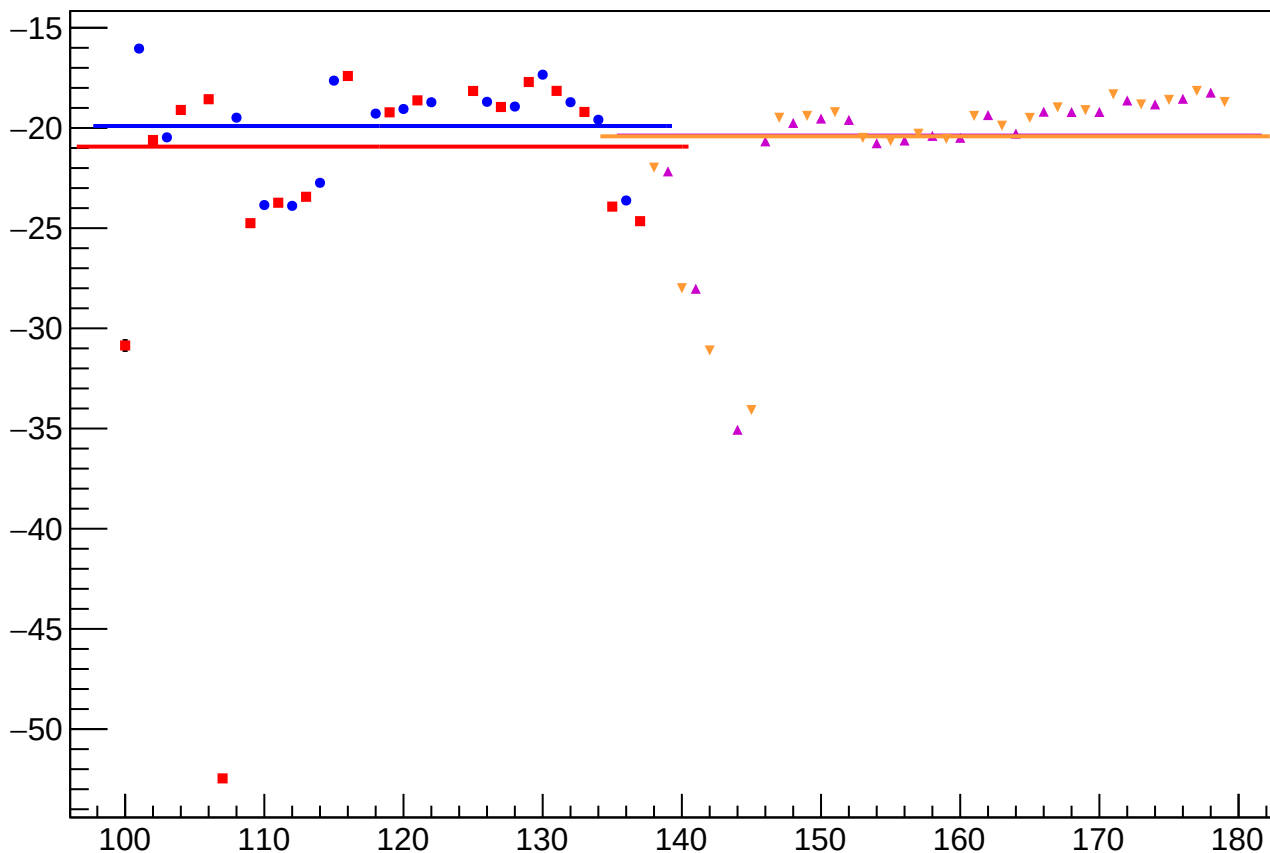
Left In: 9.144 ± 0.184 $\chi^2/\text{NDF}: 380.8/19$

+ sign 7.702 ± 0.148 $\chi^2/\text{NDF}: 928.4/36$

All: 7.528 ± 0.105 $\chi^2/\text{NDF}: 2161.3/74$

- sign 7.349 ± 0.150 $\chi^2/\text{NDF}: 1230.0/37$

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 $\chi^2/\text{NDF}: 94008.3/17$

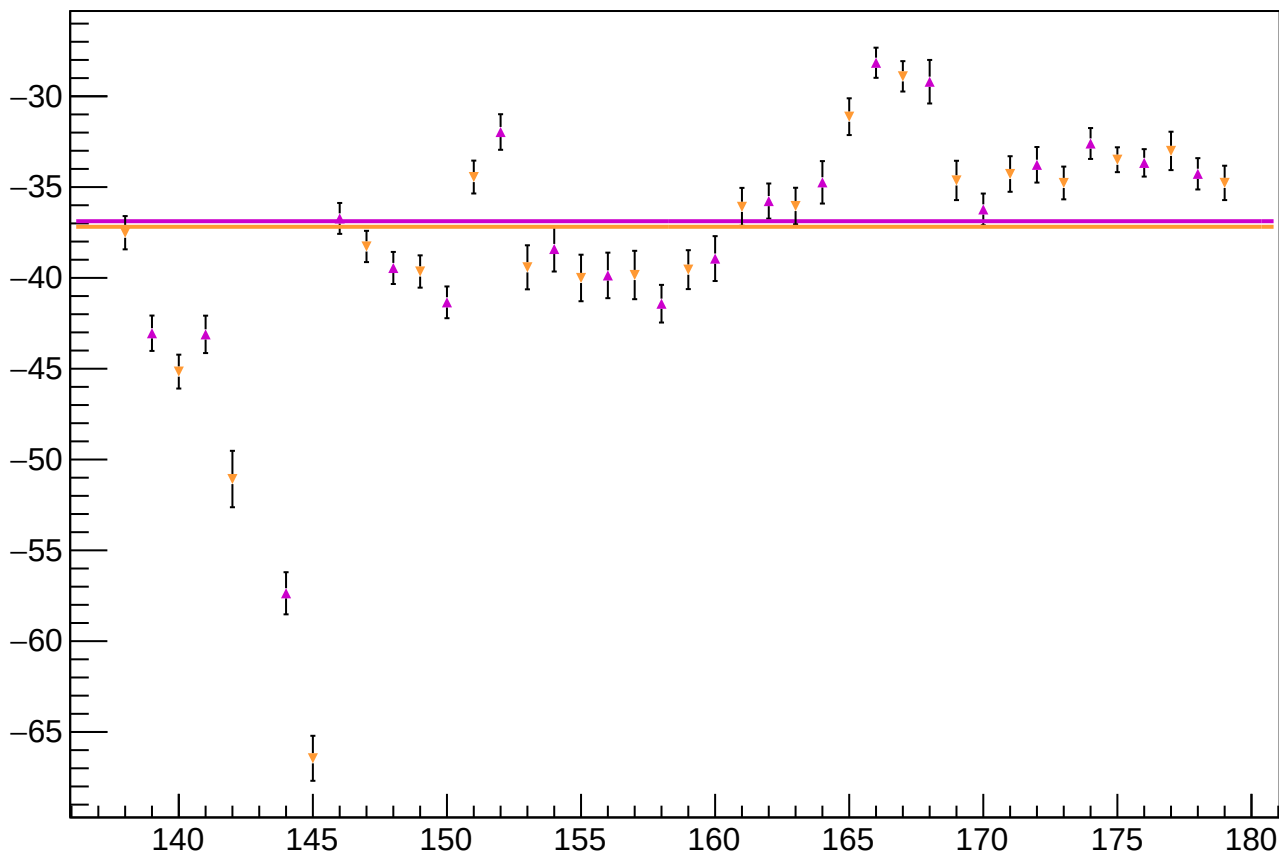
Left In: -20.380 ± 0.009 $\chi^2/\text{NDF}: 120588.5/19$

+ sign -20.298 ± 0.008 $\chi^2/\text{NDF}: 176718.1/36$

All: -20.402 ± 0.005 $\chi^2/\text{NDF}: 392644.1/74$

- sign -20.505 ± 0.007 $\chi^2/\text{NDF}: 215545.7/37$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -37.186+/-0.215 χ^2/NDF : 955.9/20

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

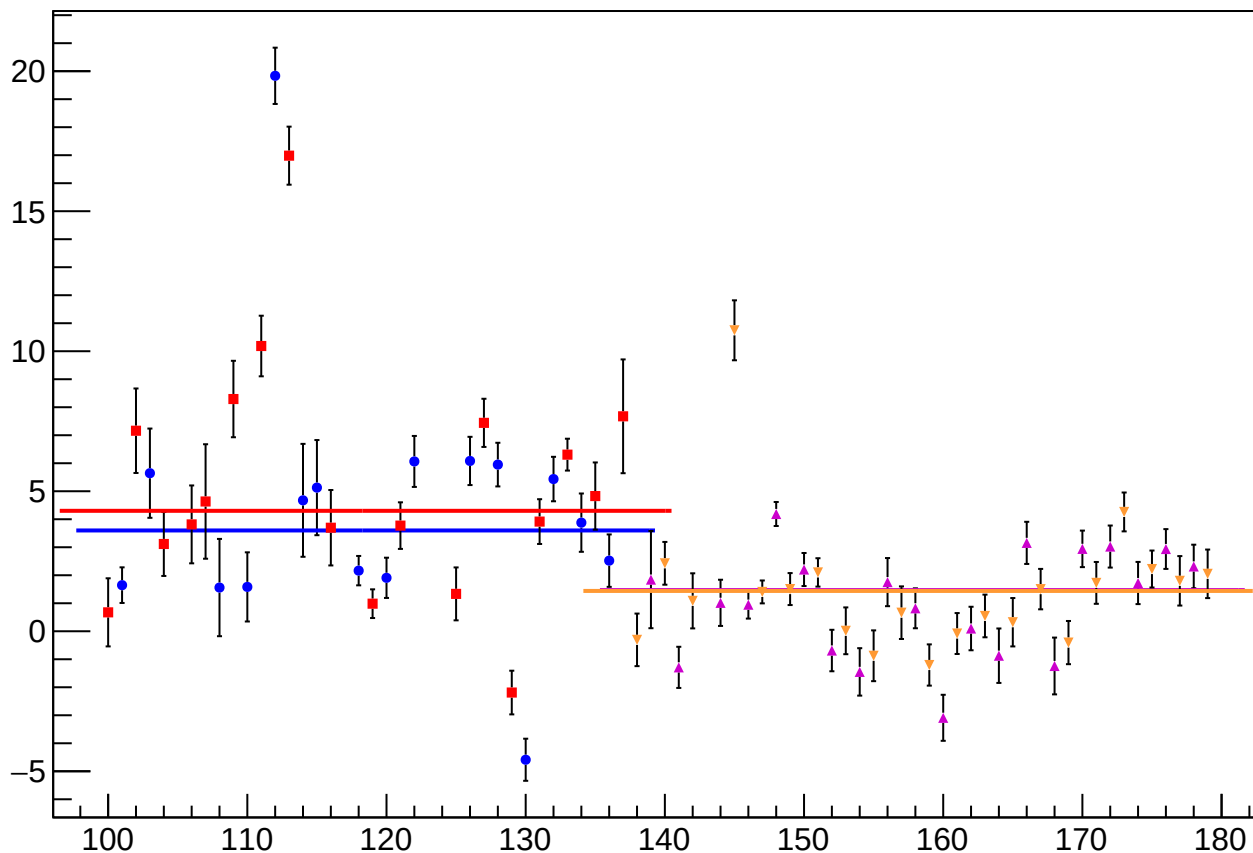
Left In: -36.879+/-0.216 χ^2/NDF : 696.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -37.033+/-0.153 χ^2/NDF : 1653.9/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.440 ± 0.157 χ^2/NDF : 137.4/20

Right Out: 4.301 ± 0.221 χ^2/NDF : 352.1/17

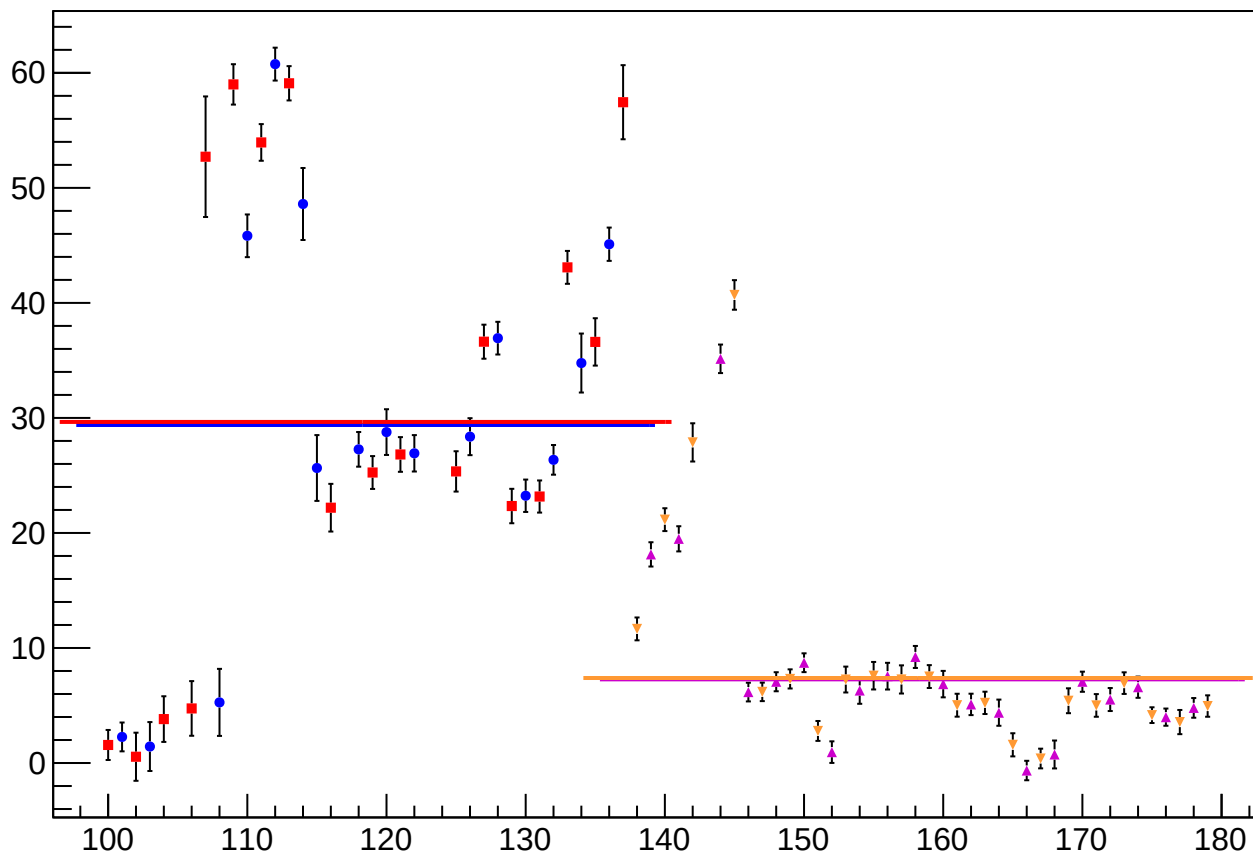
Left In: 1.470 ± 0.160 χ^2/NDF : 145.4/19

+ sign 2.167 ± 0.128 χ^2/NDF : 641.5/36

All: 2.304 ± 0.091 χ^2/NDF : 1248.9/74

- sign 2.445 ± 0.130 χ^2/NDF : 605.1/37

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2/NDF : 1488.6/15

Left Out: 7.390 $\pm$ 0.213 χ^2/NDF :1227.1/20

Right Out: 29.652 $\pm$ 0.402 χ^2/NDF : 2131.0/17

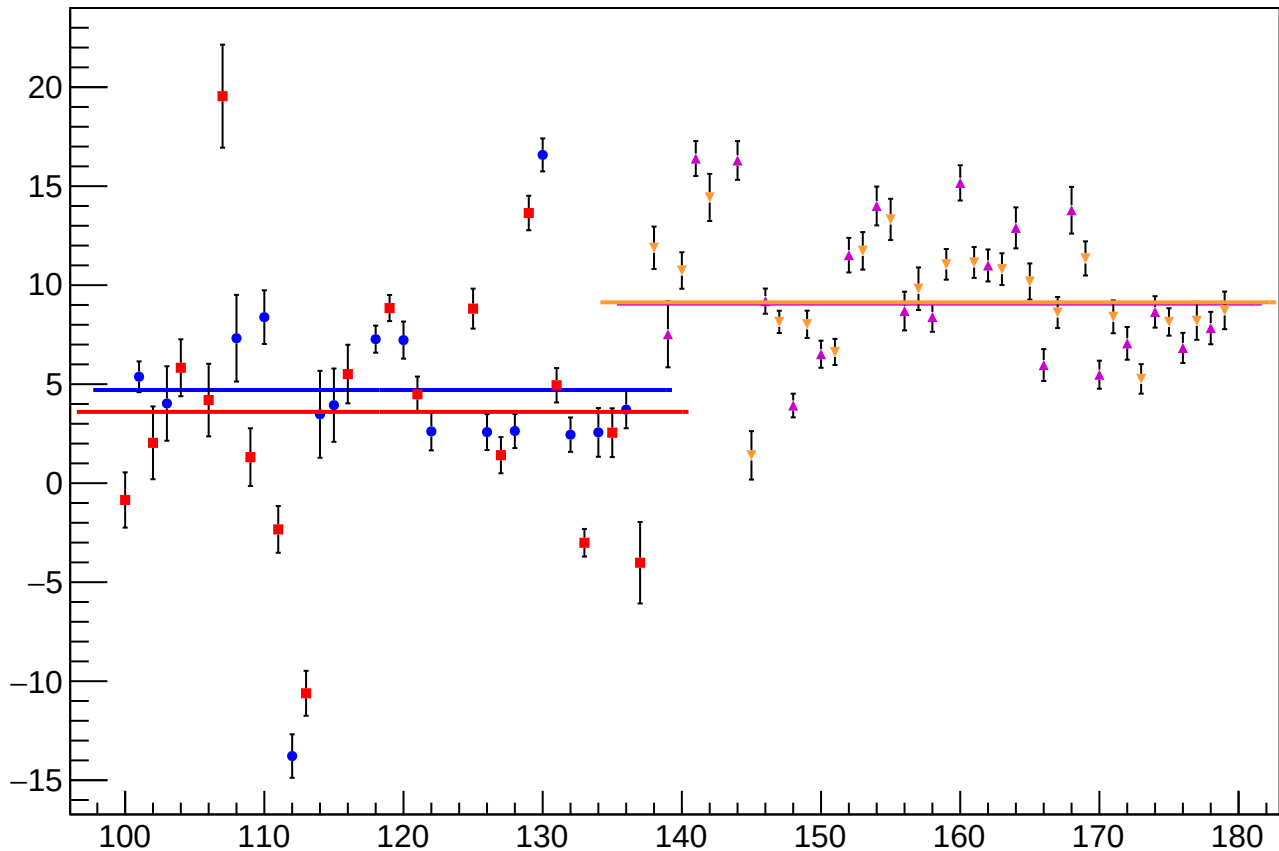
Left In: 7.272 $\pm$ 0.213 χ^2/NDF :951.1/19

+ sign 11.888 $\pm$ 0.190 χ^2/NDF : 4905.7/36

All: 12.037 $\pm$ 0.134 χ^2/NDF : 10403.8/74

- sign 12.185 $\pm$ 0.189 χ^2/NDF : 5496.9/37

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.134 ± 0.181 $\chi^2/\text{NDF}: 169.9/20$

Right Out: 3.601 ± 0.254 $\chi^2/\text{NDF}: 573.4/17$

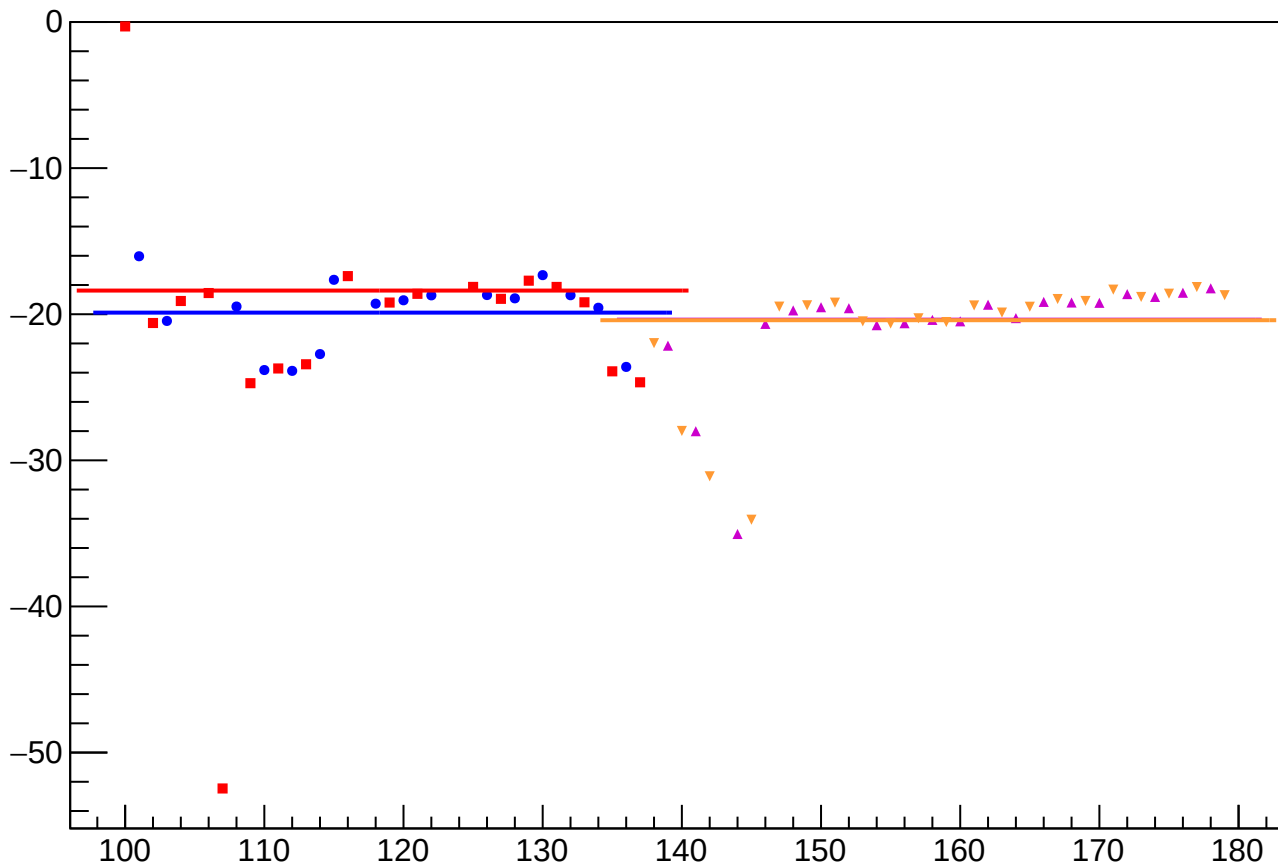
Left In: 9.068 ± 0.184 $\chi^2/\text{NDF}: 385.8/19$

+ sign 7.640 ± 0.147 $\chi^2/\text{NDF}: 916.7/36$

All: 7.415 ± 0.105 $\chi^2/\text{NDF}: 2184.2/74$

- sign 7.185 ± 0.149 $\chi^2/\text{NDF}: 1262.8/37$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15

Left Out: -20.409 ± 0.009 χ^2/NDF : 149922.9/20

Right Out: -18.380 ± 0.015 χ^2/NDF : 300999.4/17

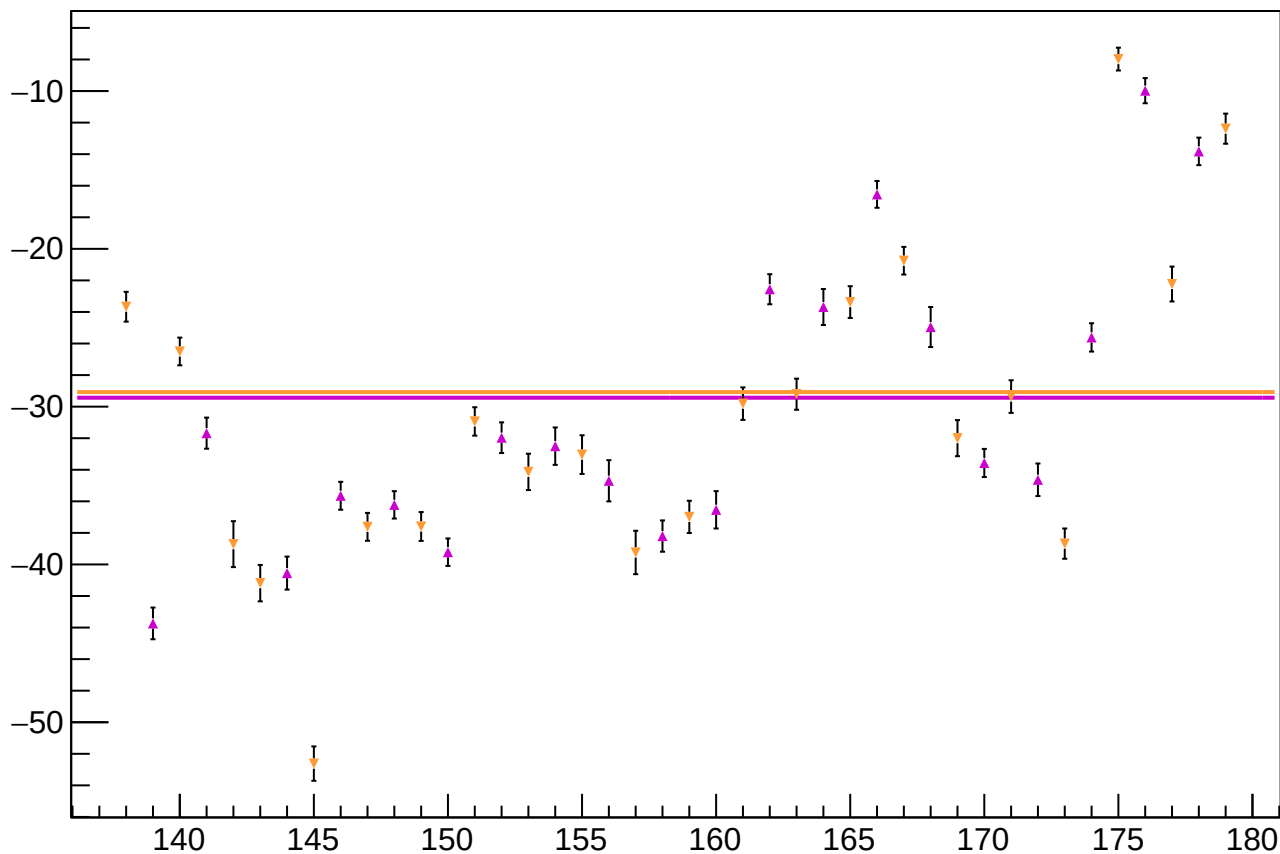
Left In: -20.372 ± 0.009 χ^2/NDF : 120504.6/19

+ sign -20.290 ± 0.007 χ^2/NDF : 176814.2/36

All: -20.079 ± 0.005 χ^2/NDF : 613563.9/74

- sign -19.875 ± 0.007 χ^2/NDF : 435192.2/37

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

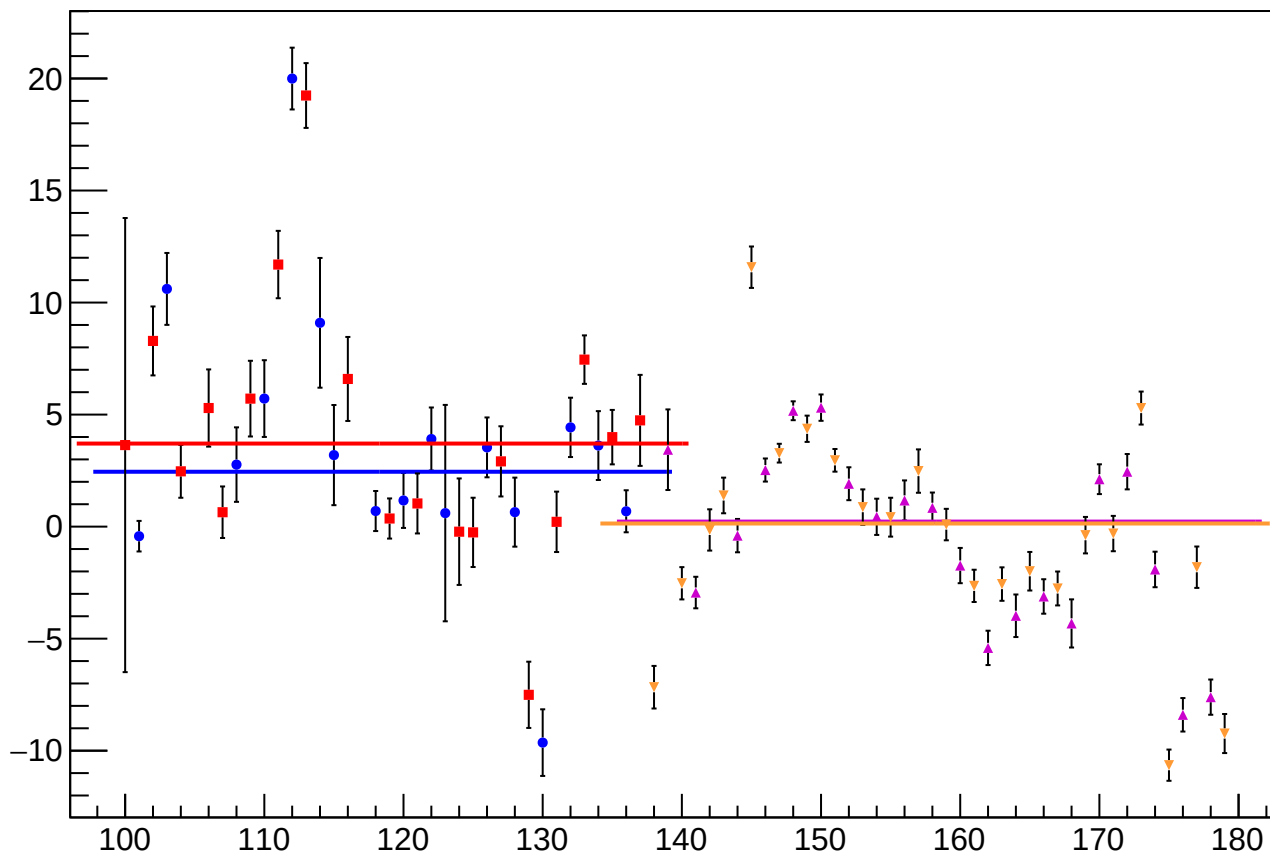
Left In: -29.434+/-0.217 χ^2/NDF : 2003.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -29.252+/-0.152 χ^2/NDF : 4421.2/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 $\pm$ 0.314 χ^2 /NDF: 295.3/16

Left Out: 0.139 $\pm$ 0.155 χ^2 /NDF:832.9/21

Right Out: 3.707 $\pm$ 0.326 χ^2 /NDF: 269.4/18

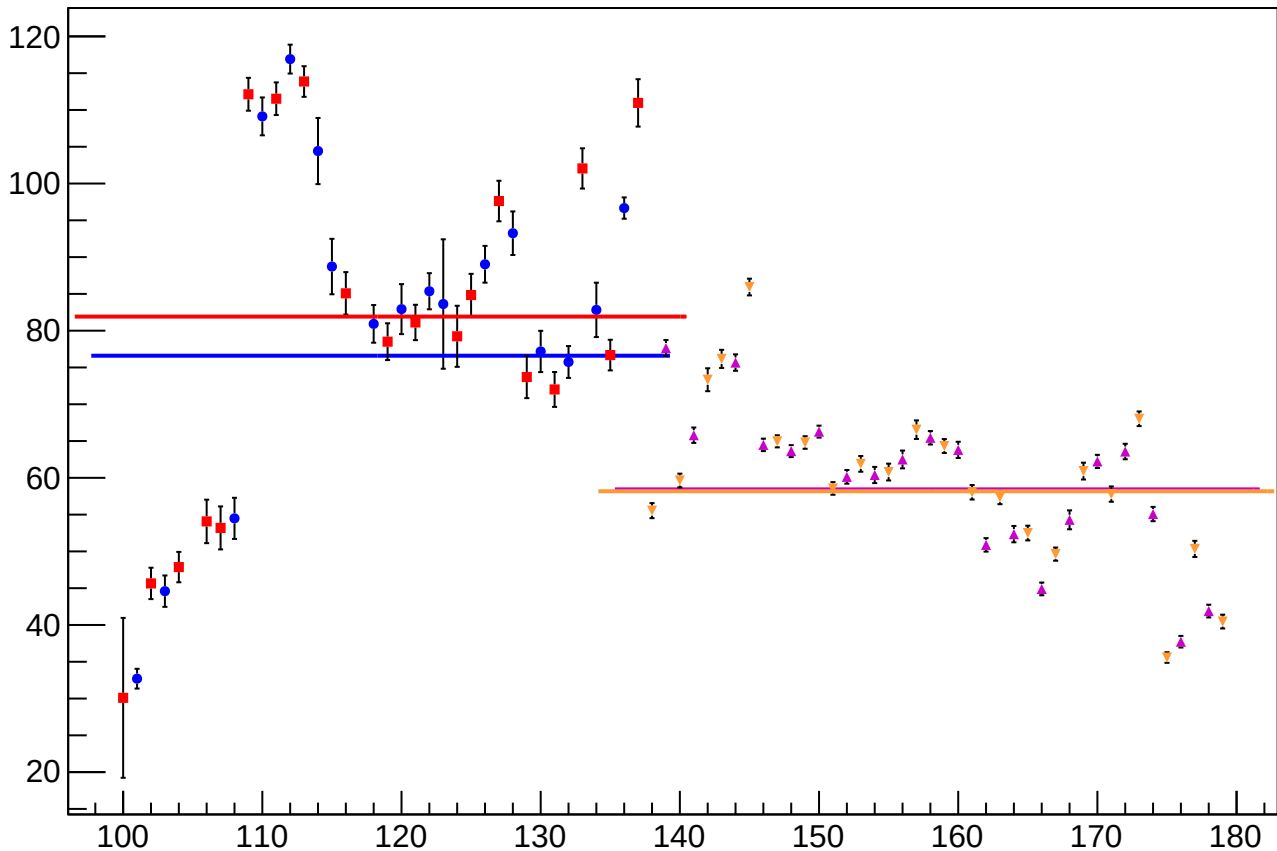
Left In: 0.225 $\pm$ 0.160 χ^2 /NDF:636.6/19

+ sign 0.589 $\pm$ 0.139 χ^2 /NDF: 1171.7/38

All: 0.739 $\pm$ 0.100 χ^2 /NDF: 2171.9/77

- sign 0.900 $\pm$ 0.144 χ^2 /NDF: 997.8/38

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

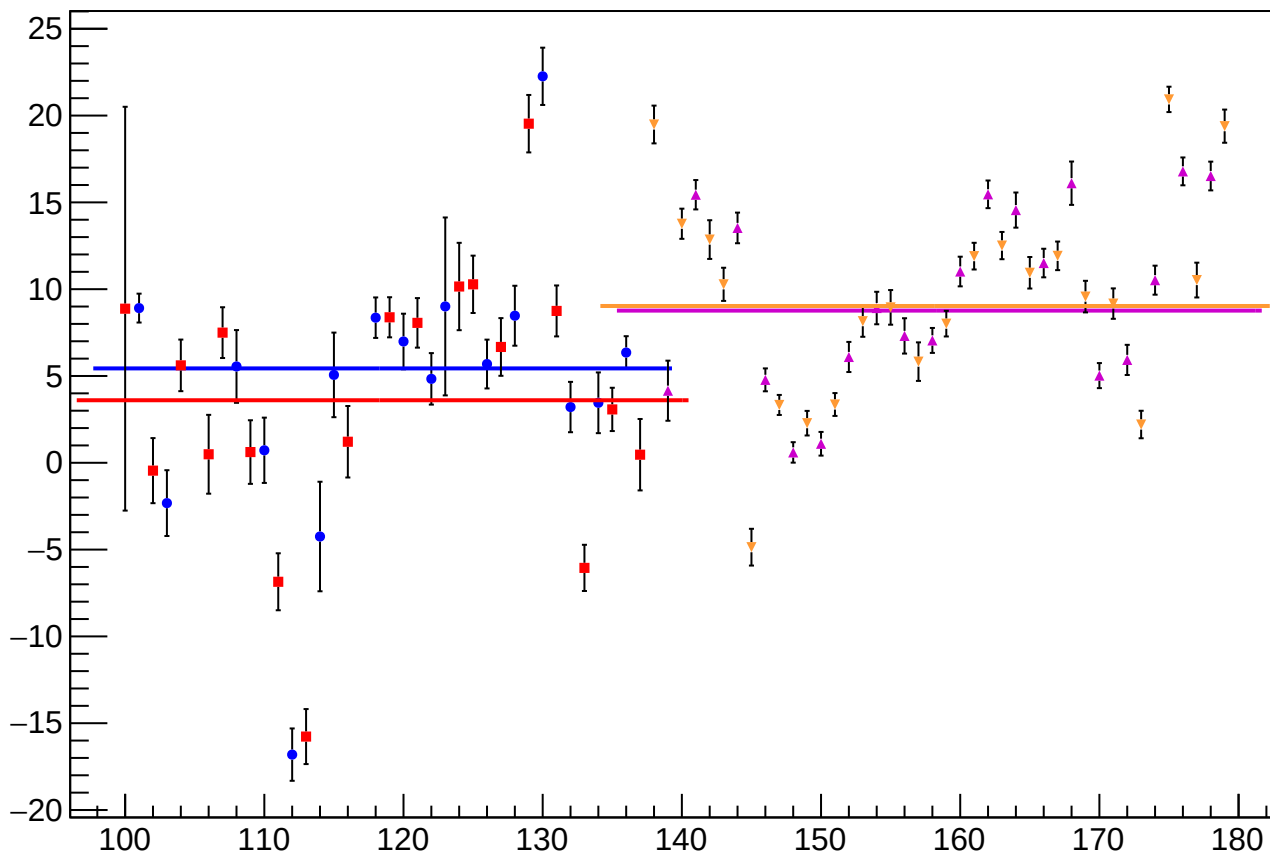
Left In: 58.432 $\pm$ 0.214 χ^2/NDF : 2344.7/19

+ sign 60.357 $\pm$ 0.198 χ^2/NDF : 5912.4/38

All: 60.749 $\pm$ 0.141 χ^2/NDF : 11226.7/77

- sign 61.156 $\pm$ 0.202 χ^2/NDF : 5306.3/38

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 $\pm$ 0.360 χ^2/NDF : 387.2/16

Left Out: 9.032 $\pm$ 0.179 χ^2/NDF :1091.9/21

Right Out: 3.602 $\pm$ 0.375 χ^2/NDF : 423.3/18

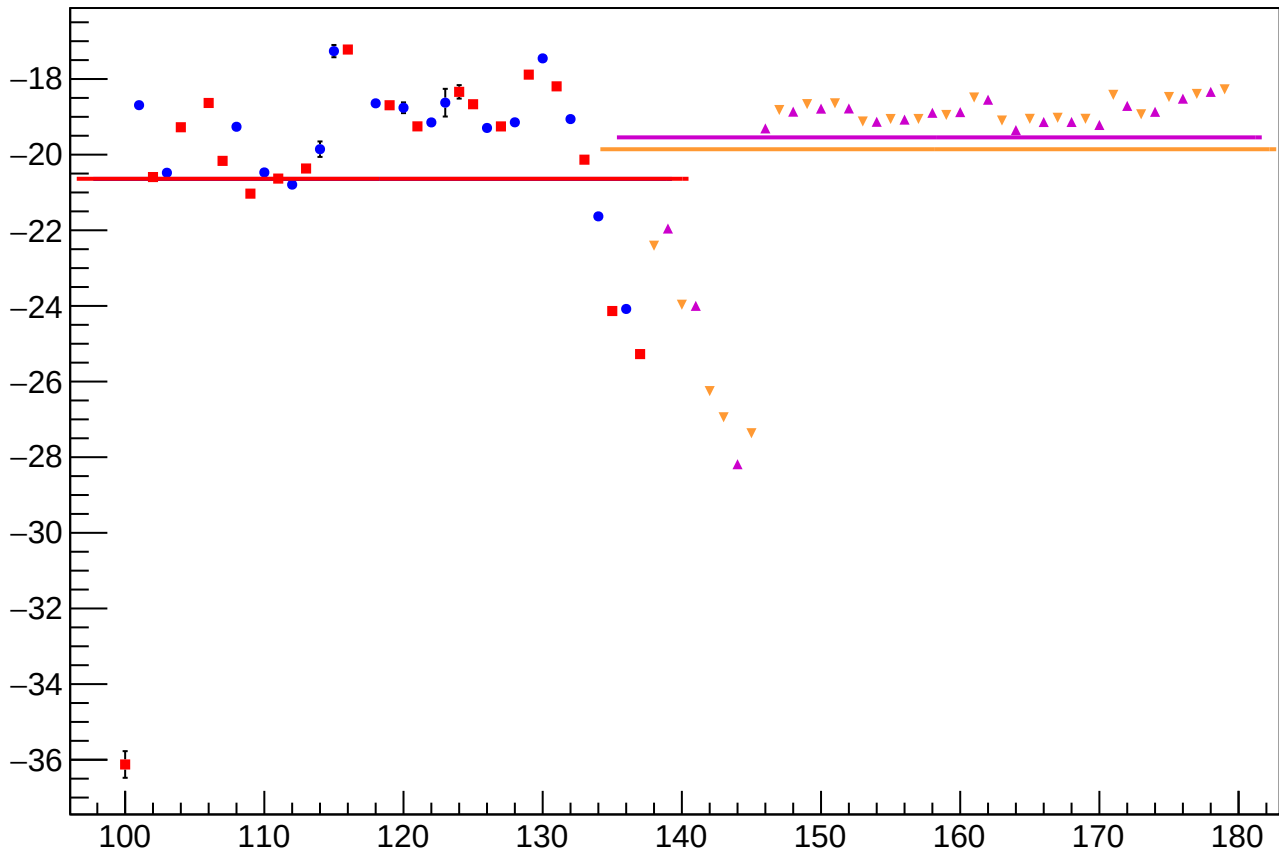
Left In: 8.766 $\pm$ 0.184 χ^2/NDF :856.6/19

+ sign 8.321 $\pm$ 0.160 χ^2/NDF : 1559.0/38

All: 8.050 $\pm$ 0.115 χ^2/NDF : 2997.5/77

- sign 7.762 $\pm$ 0.165 χ^2/NDF : 1432.7/38

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -19.857 ± 0.008 χ^2/NDF : 86925.5/21

Right Out: -20.638 ± 0.019 χ^2/NDF : 13783.4/18

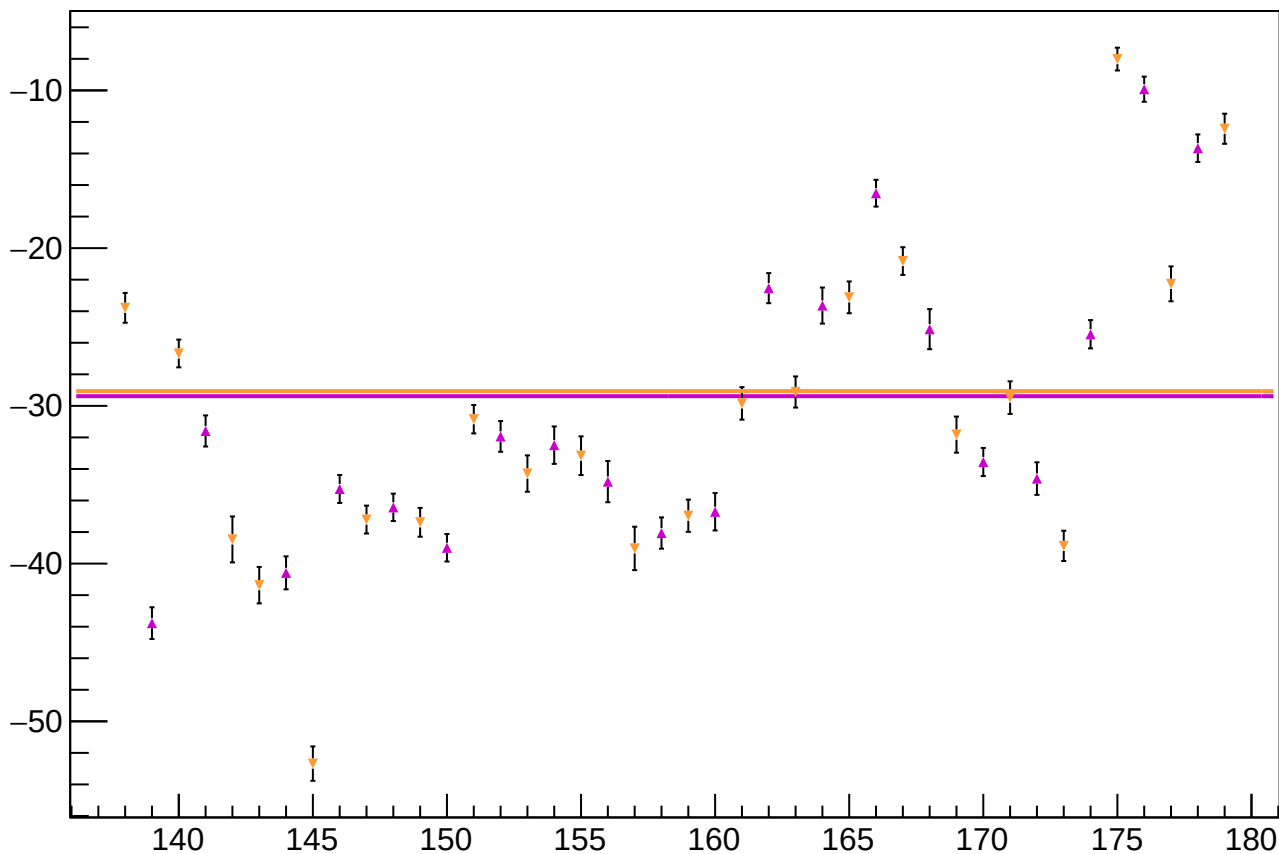
Left In: -19.543 ± 0.009 χ^2/NDF : 52135.1/19

+ sign -19.983 ± 0.008 χ^2/NDF : 100739.2/38

All: -19.853 ± 0.006 χ^2/NDF : 169880.3/77

- sign -19.721 ± 0.008 χ^2/NDF : 68572.2/38

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -29.063 $\pm$ 0.213 χ^2 /NDF:2400.6/21

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

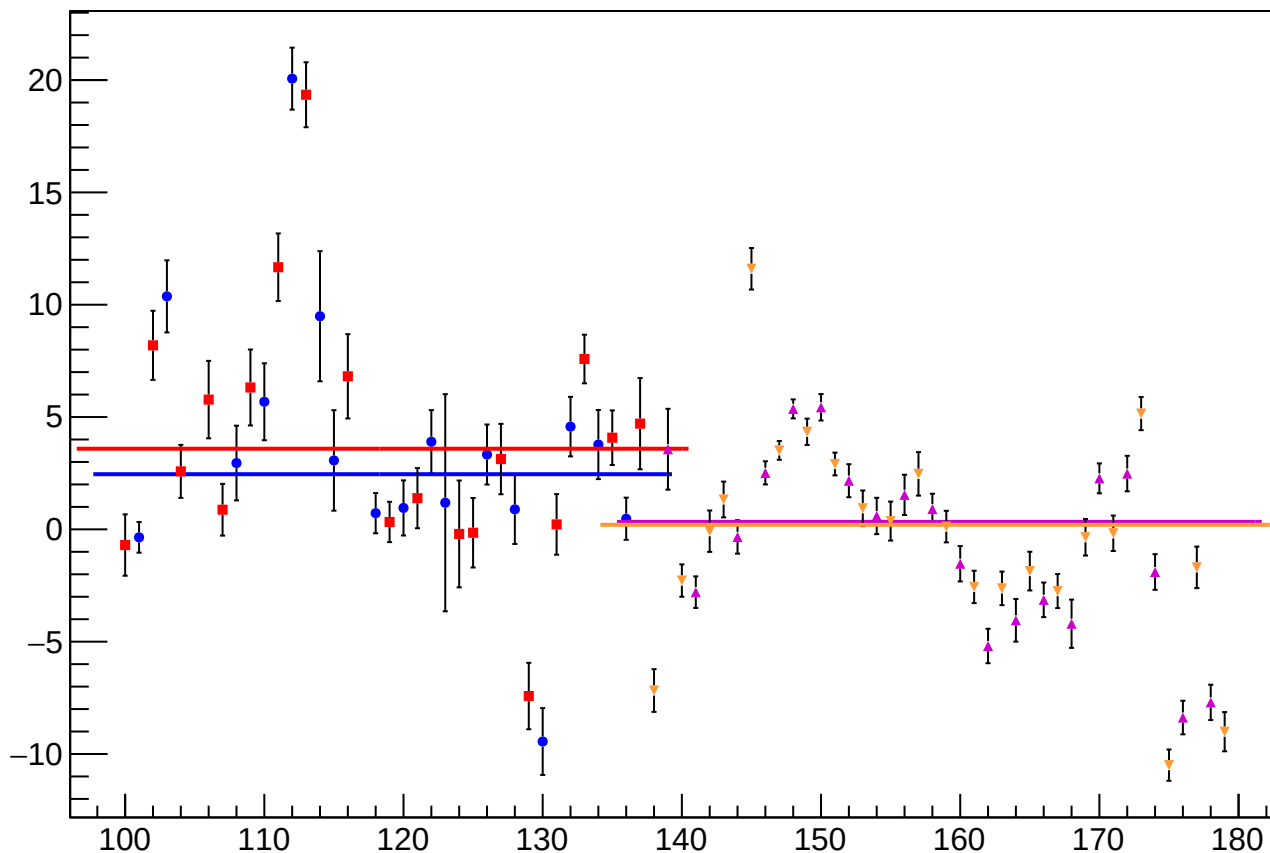
Left In: -29.387 $\pm$ 0.218 χ^2 /NDF:2005.7/19

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

All: -29.222 $\pm$ 0.152 χ^2 /NDF: 4407.4/41

- sign 0.000 $\pm$ 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

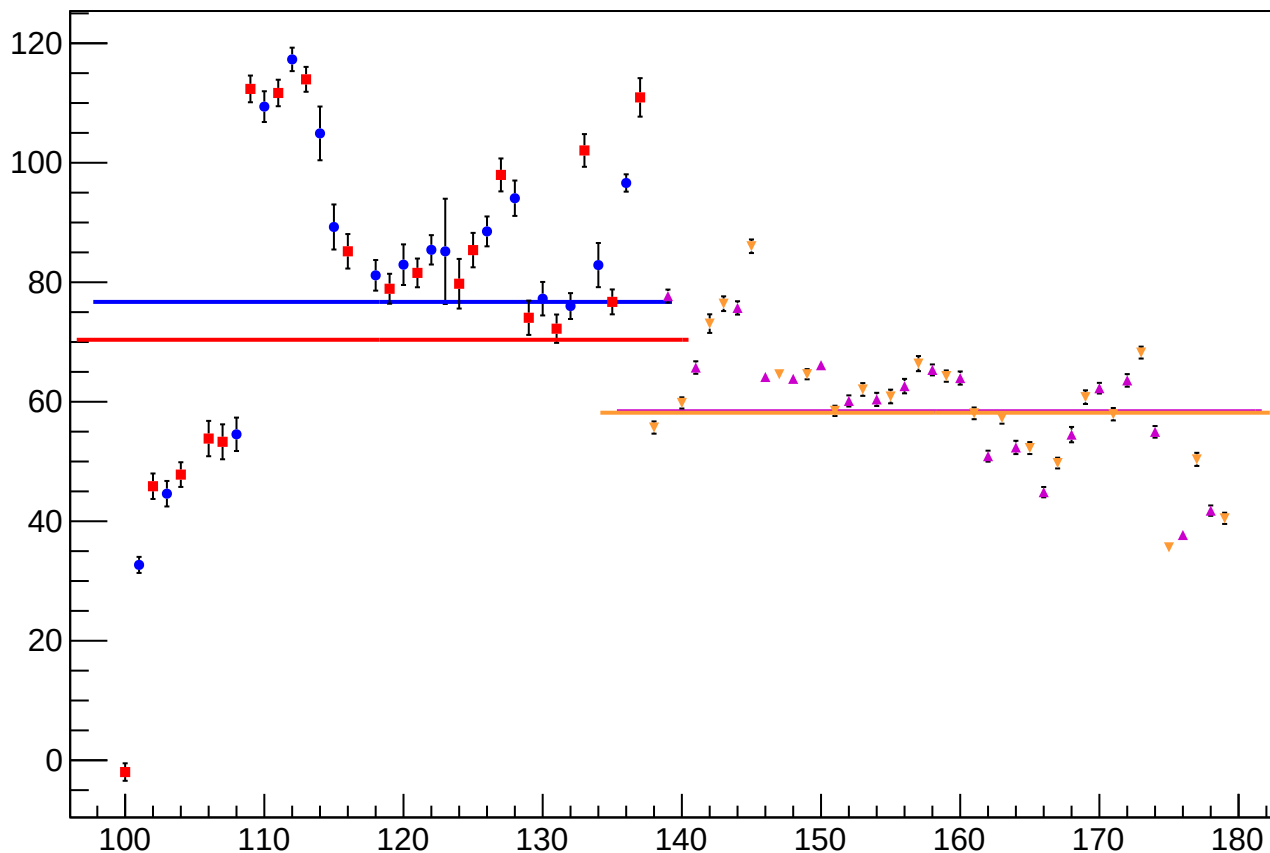
Left In: 0.332 ± 0.160 χ^2/NDF : 648.9/19

+ sign 0.641 ± 0.139 χ^2/NDF : 1155.3/38

All: 0.811 ± 0.100 χ^2/NDF : 2171.0/77

- sign 0.991 ± 0.143 χ^2/NDF : 1012.6/38

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

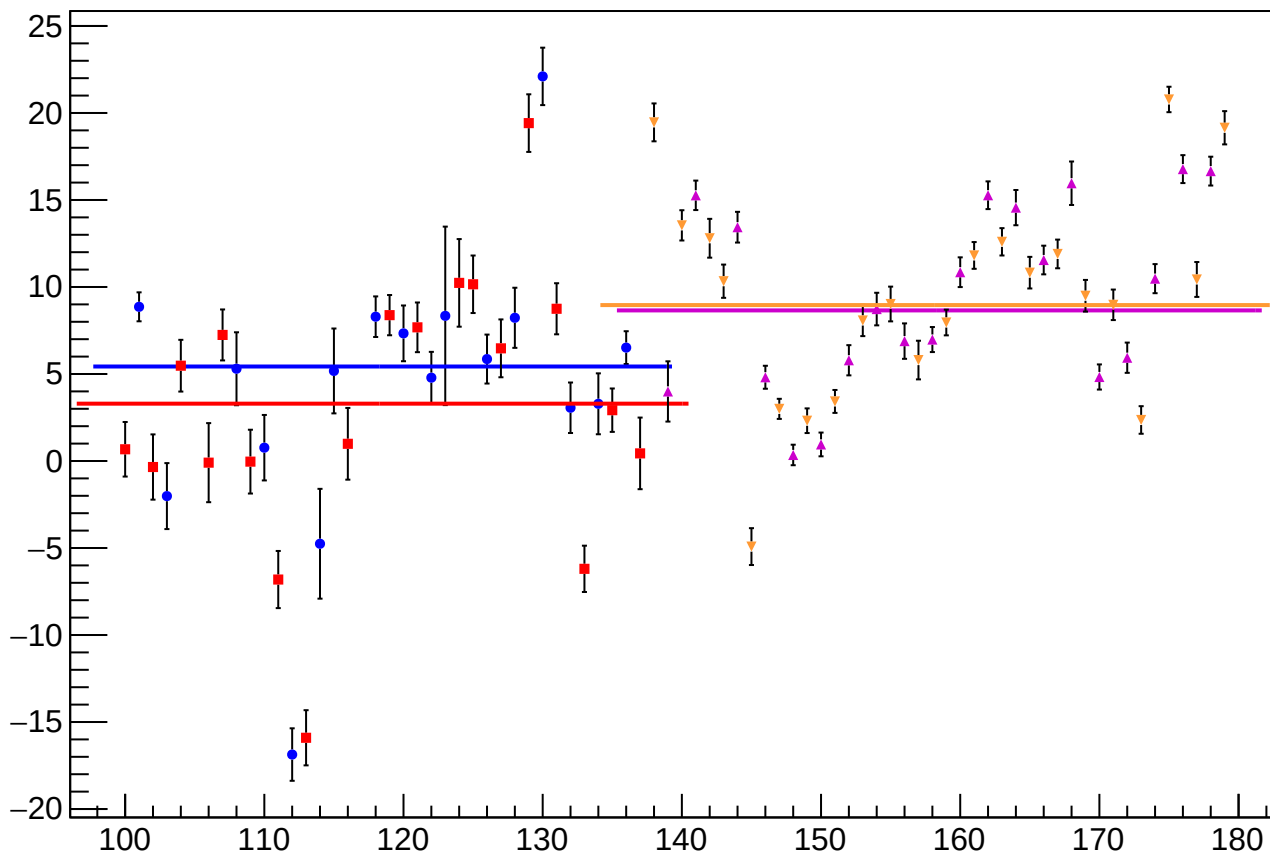
Left In: 58.413 $\pm$ 0.215 χ^2 /NDF: 2345.0/19

+ sign 60.363 $\pm$ 0.198 χ^2 /NDF: 5926.4/38

All: 60.180 $\pm$ 0.141 χ^2 /NDF: 13074.6/77

- sign 59.994 $\pm$ 0.200 χ^2 /NDF: 7146.5/38

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

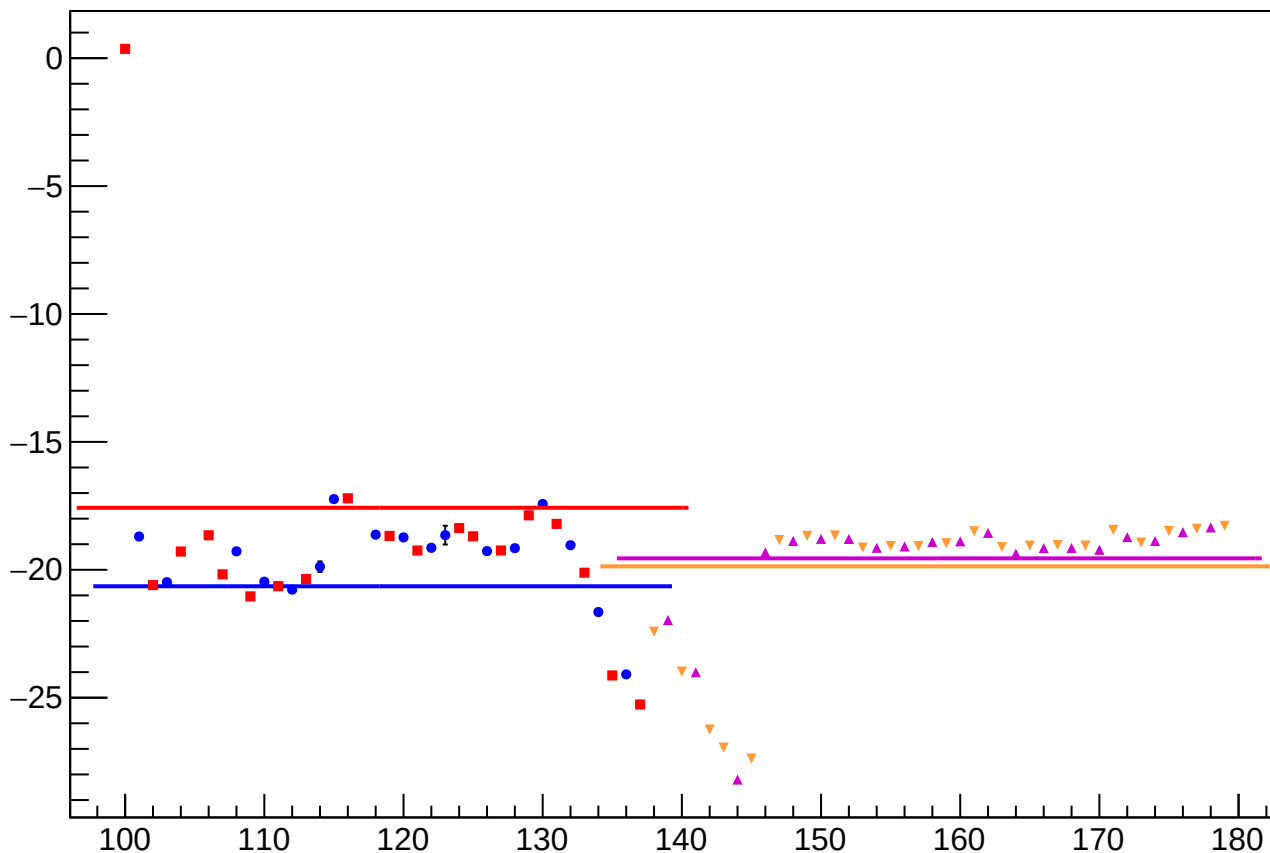
Left In: 8.654 ± 0.184 χ^2/NDF : 871.1/19

+ sign 8.262 ± 0.160 χ^2/NDF : 1544.6/38

All: 7.923 ± 0.115 χ^2/NDF : 3022.7/77

- sign 7.565 ± 0.165 χ^2/NDF : 1468.9/38

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -19.866 ± 0.008 $\chi^2/\text{NDF}: 86784.1/21$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178327.0/18$

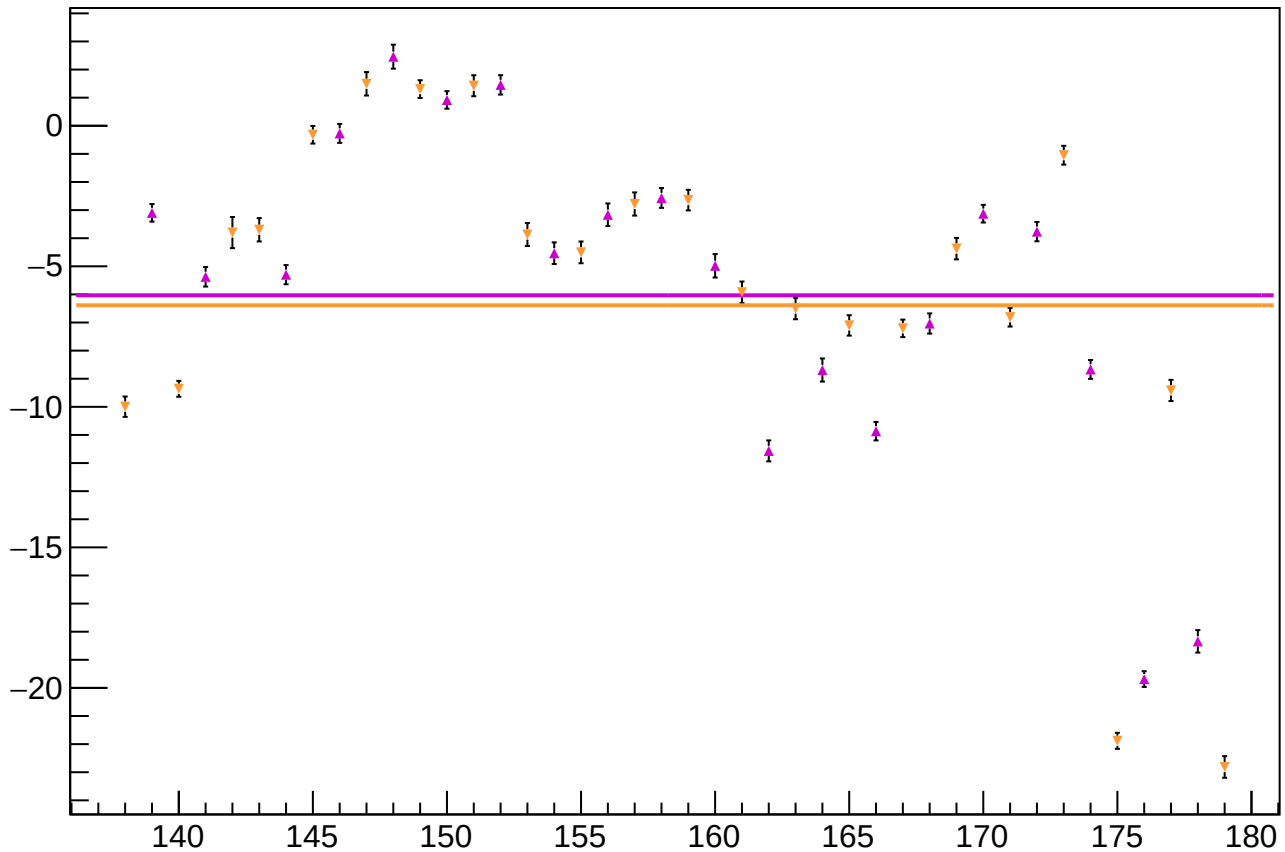
Left In: -19.553 ± 0.009 $\chi^2/\text{NDF}: 52088.6/19$

+ sign -19.991 ± 0.008 $\chi^2/\text{NDF}: 100607.4/38$

All: -19.588 ± 0.005 $\chi^2/\text{NDF}: 346206.5/77$

- sign -19.189 ± 0.008 $\chi^2/\text{NDF}: 240243.4/38$

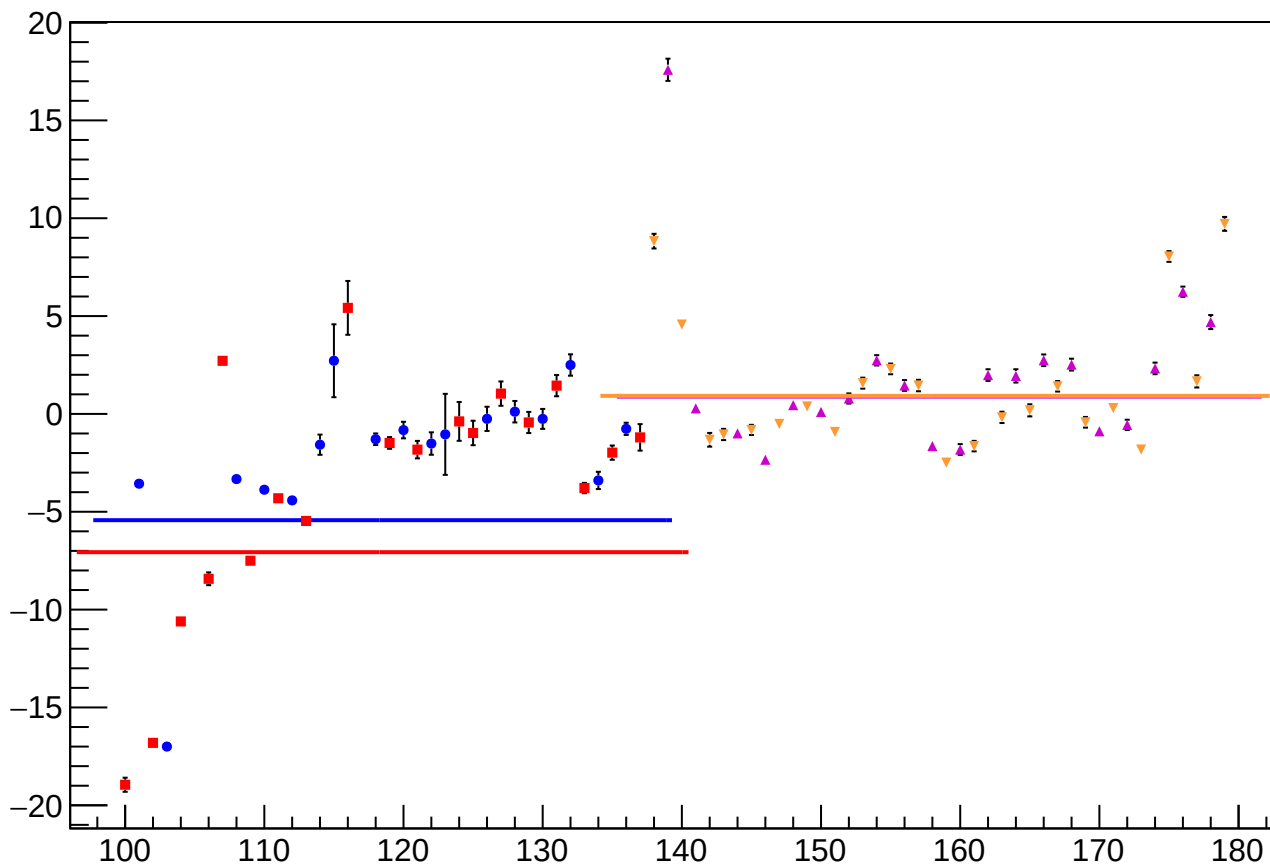
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.386 $\pm$ 0.077 χ^2 /NDF:7399.4/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.032 $\pm$ 0.078 χ^2 /NDF:5931.4/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -6.213 $\pm$ 0.055 χ^2 /NDF: 13341.4/41
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 $\pm$ 0.055 χ^2 /NDF: 9233.8/16

Left Out: 0.923 $\pm$ 0.057 χ^2 /NDF: 2708.1/21

Right Out: -7.066 $\pm$ 0.059 χ^2 /NDF: 12306.6/18

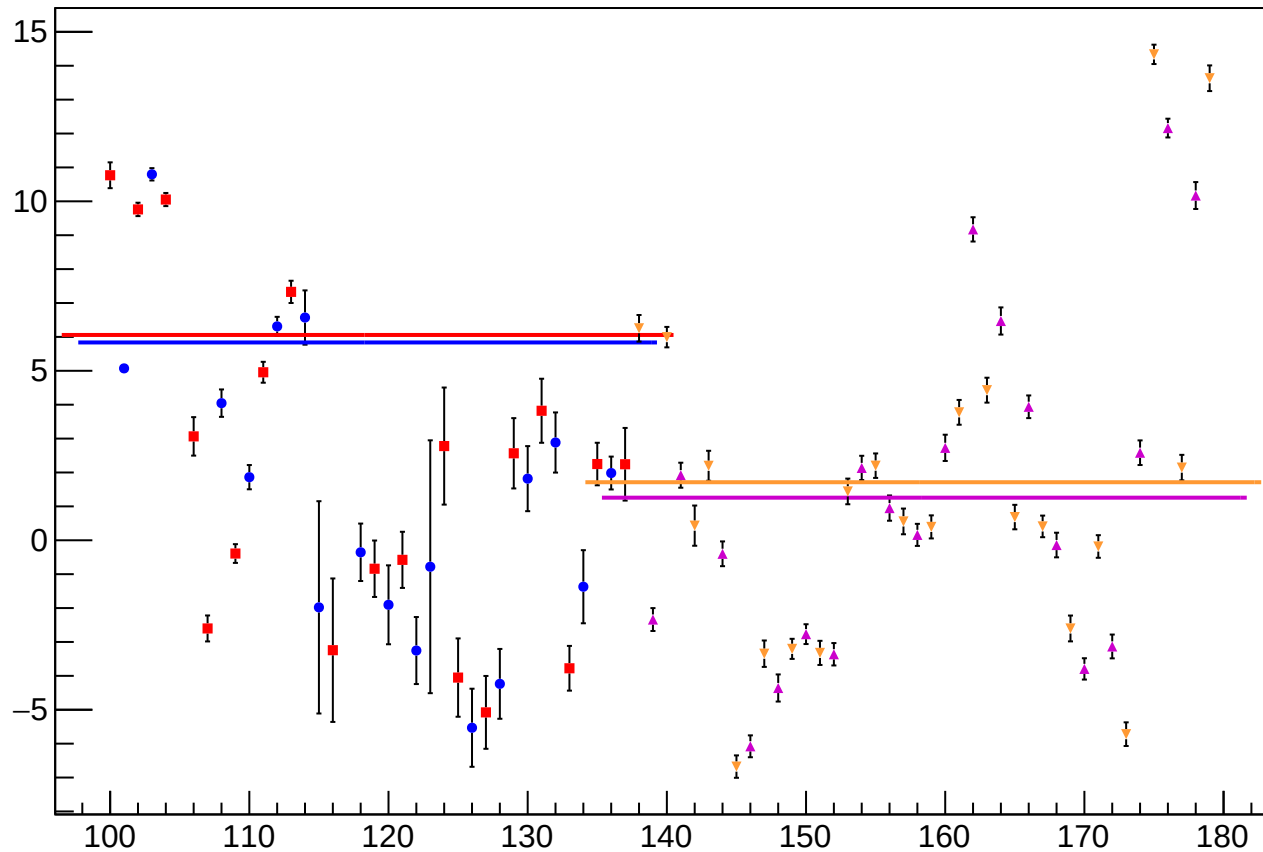
Left In: 0.884 $\pm$ 0.059 χ^2 /NDF: 2174.3/19

+ sign -2.374 $\pm$ 0.040 χ^2 /NDF: 18394.6/38

All: -2.724 $\pm$ 0.029 χ^2 /NDF: 42051.9/77

- sign -3.117 $\pm$ 0.042 χ^2 /NDF: 23490.6/38

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 χ^2/NDF : 1440.9/16

Left Out: 1.713 ± 0.076 χ^2/NDF : 5326.9/21

Right Out: 6.057 ± 0.093 χ^2/NDF : 2668.9/18

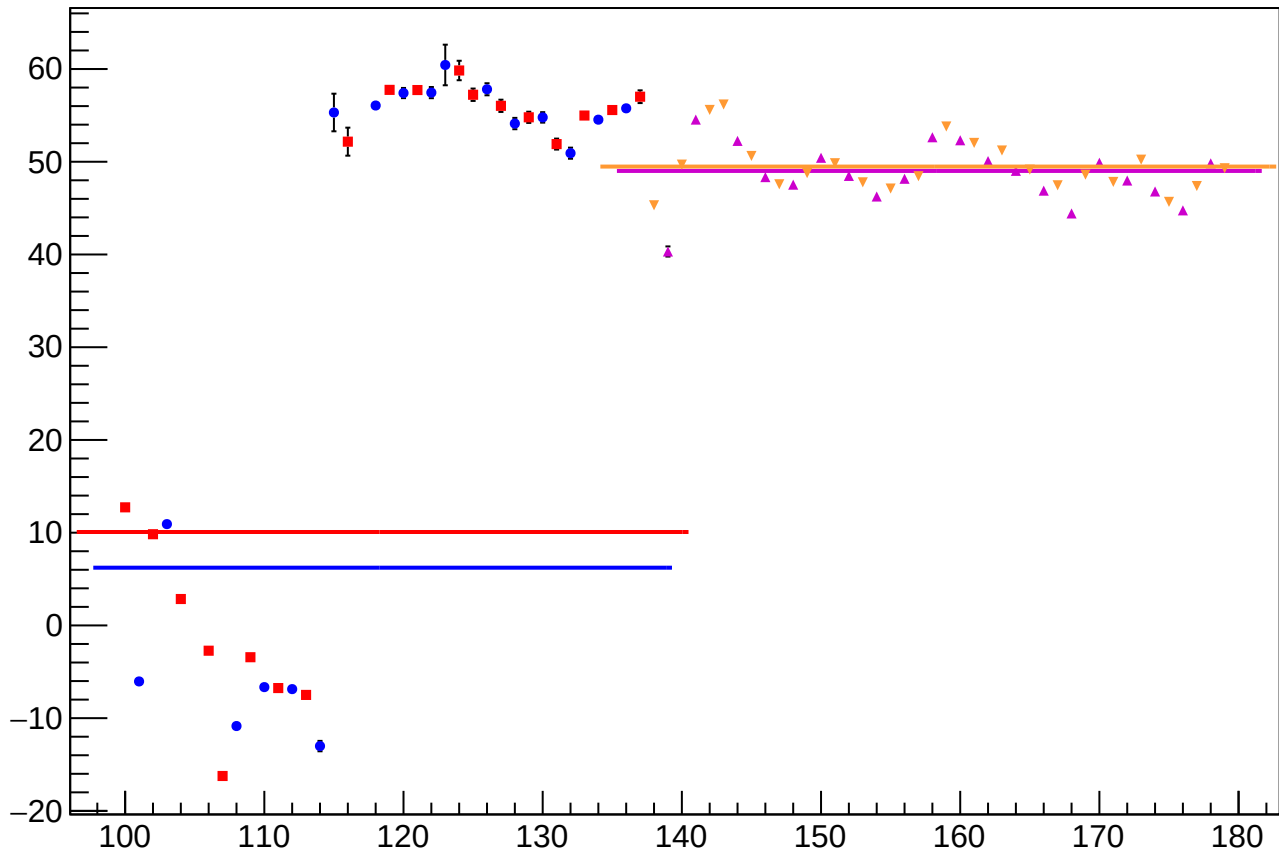
Left In: 1.257 ± 0.077 χ^2/NDF : 4489.0/19

+ sign 3.435 ± 0.058 χ^2/NDF : 7999.7/38

All: 3.326 ± 0.042 χ^2/NDF : 16733.2/77

- sign 3.212 ± 0.060 χ^2/NDF : 8726.3/38

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 49.480 ± 0.065 χ^2/NDF : 1538.2/21

Right Out: 10.075 ± 0.070 χ^2/NDF : 122049.3/18

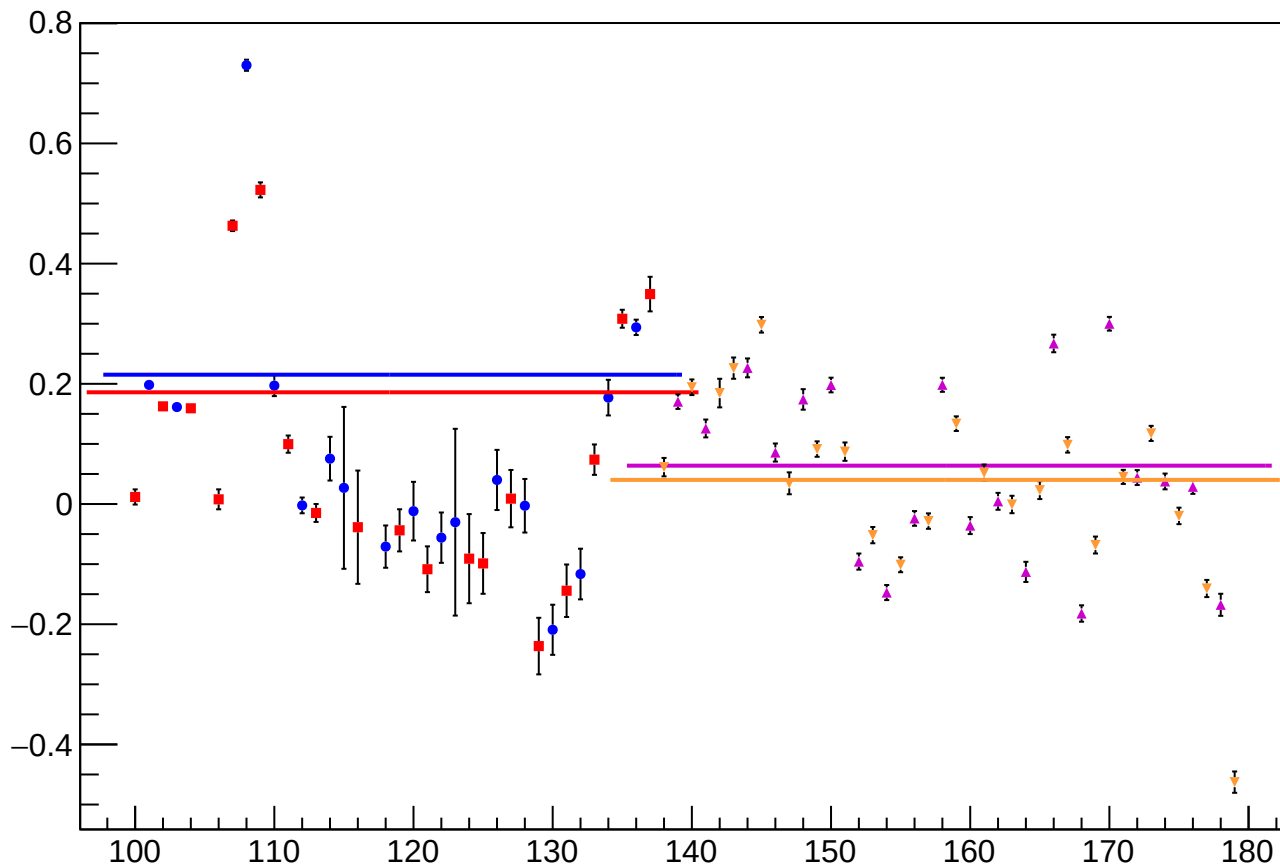
Left In: 49.009 ± 0.067 χ^2/NDF : 1738.9/19

+ sign 27.766 ± 0.046 χ^2/NDF : 344168.1/38

All: 28.923 ± 0.033 χ^2/NDF : 630494.4/77

- sign 30.210 ± 0.048 χ^2/NDF : 284986.0/38

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

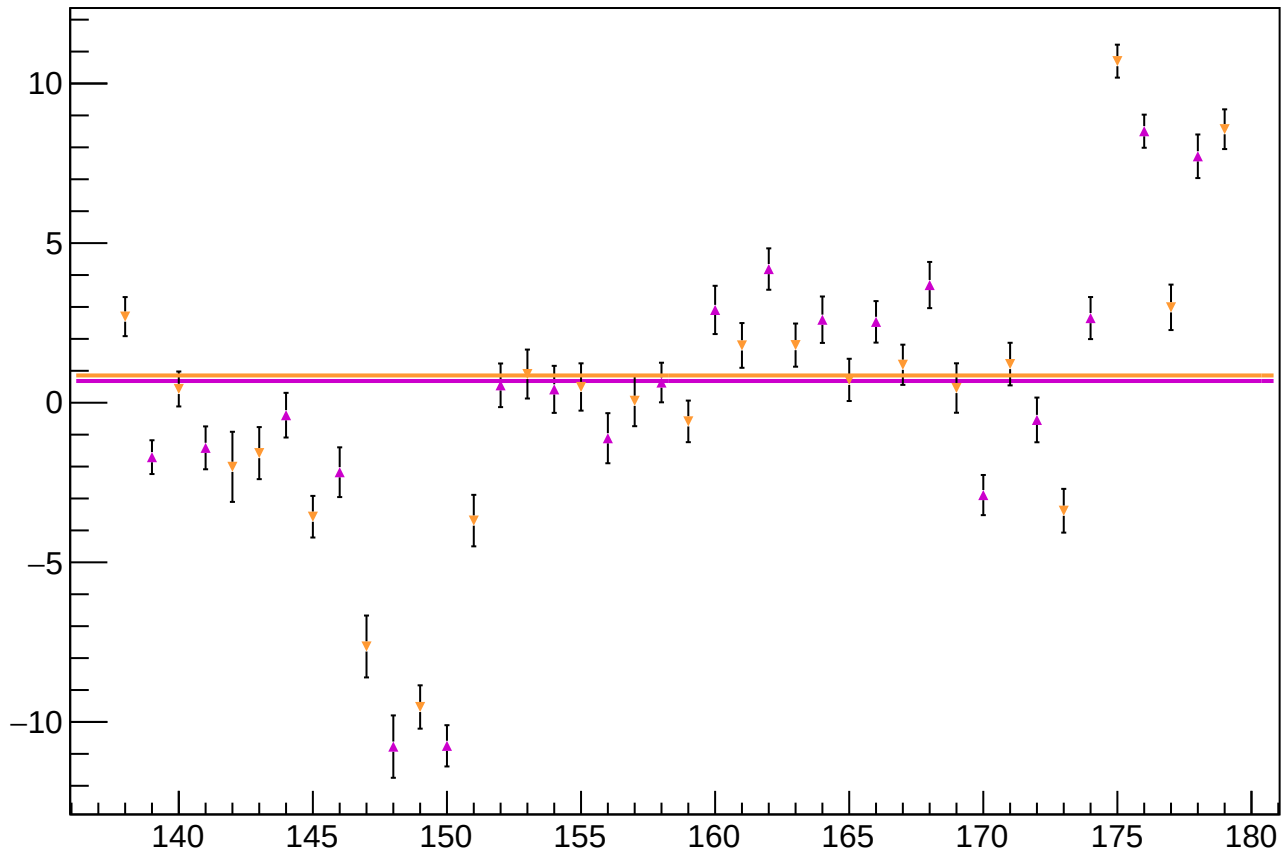
Left In: 0.064 $\pm$ 0.003 χ^2 /NDF:2272.3/19

+ sign 0.134 $\pm$ 0.002 χ^2 /NDF: 7854.2/38

All: 0.133 $\pm$ 0.001 χ^2 /NDF: 13756.9/77

- sign 0.132 $\pm$ 0.002 χ^2 /NDF: 5902.0/38

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: 0.854+/-0.147 χ^2/NDF : 989.4/21

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

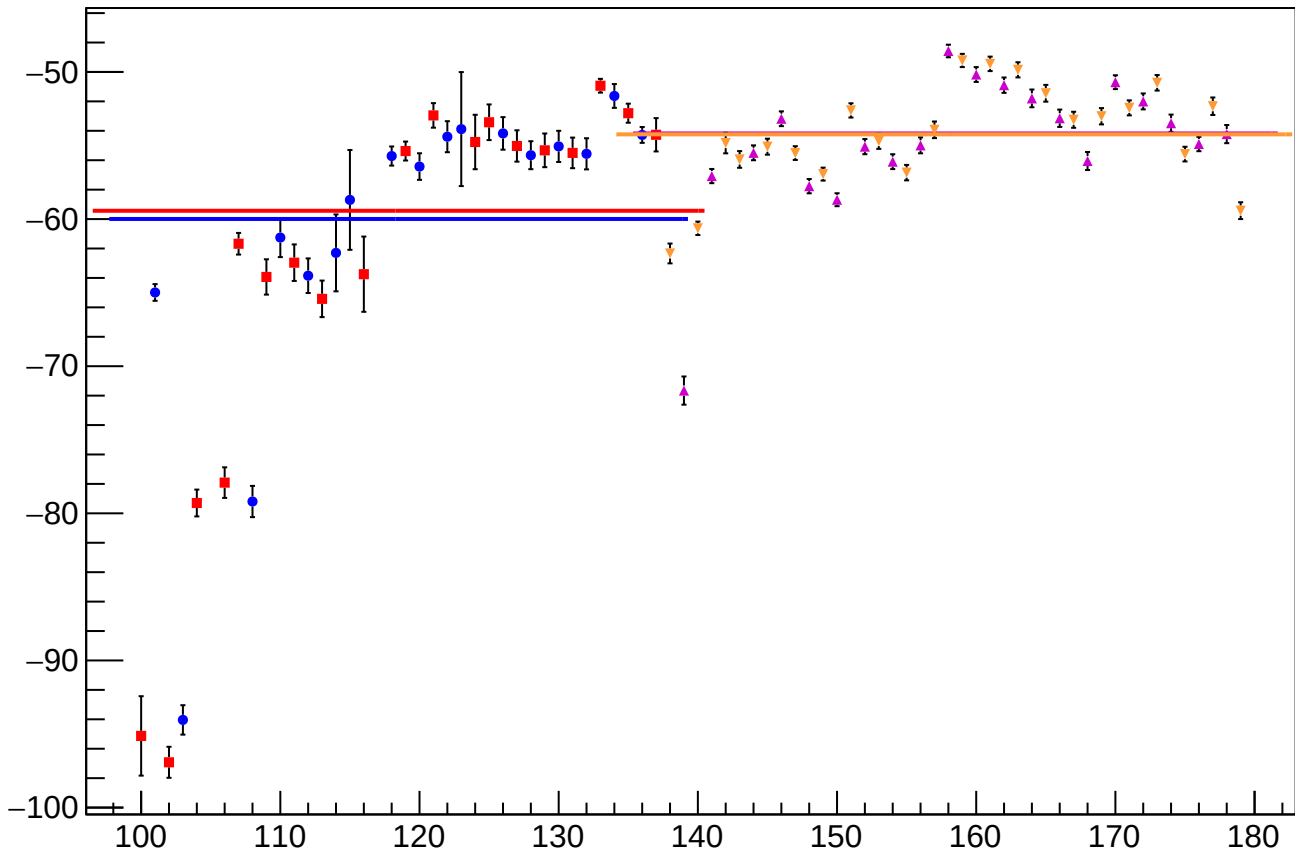
Left In: 0.680+/-0.150 χ^2/NDF : 949.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.769+/-0.105 χ^2/NDF : 1939.5/41

- sign 0.000+/-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

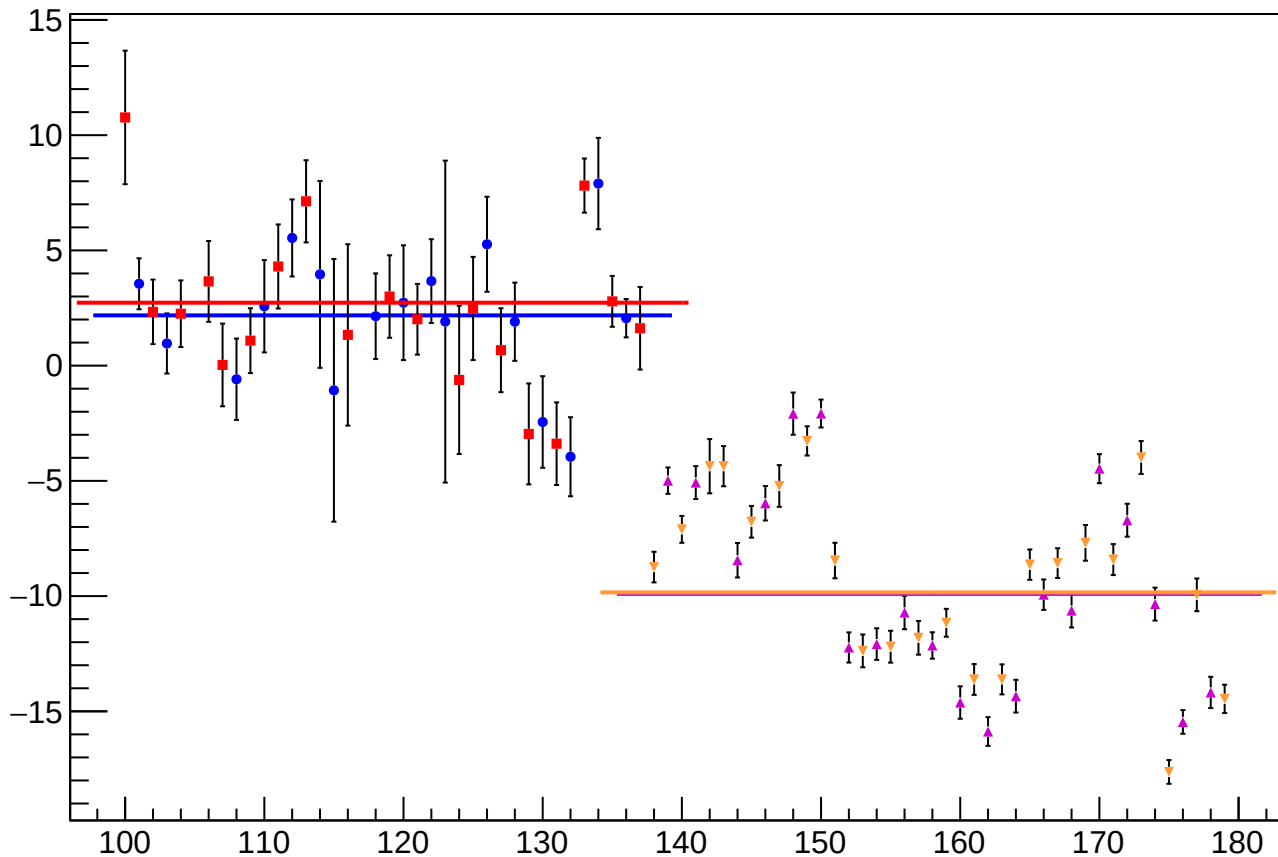
Left In: -54.179 ± 0.117 χ^2/NDF : 934.6/19

+ sign -55.384 ± 0.100 χ^2/NDF : 3410.5/38

All: -55.397 ± 0.072 χ^2/NDF : 7733.9/77

- sign -55.411 ± 0.103 χ^2/NDF : 4323.3/38

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: -9.904 ± 0.149 $\chi^2/\text{NDF}: 858.9/19$

+ sign -8.462 ± 0.137 $\chi^2/\text{NDF}: 1532.6/38$

All: -8.373 ± 0.098 $\chi^2/\text{NDF}: 3375.6/77$

- sign -8.280 ± 0.139 $\chi^2/\text{NDF}: 1842.1/38$

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 $\chi^2/\text{NDF}: 6045.3/18$

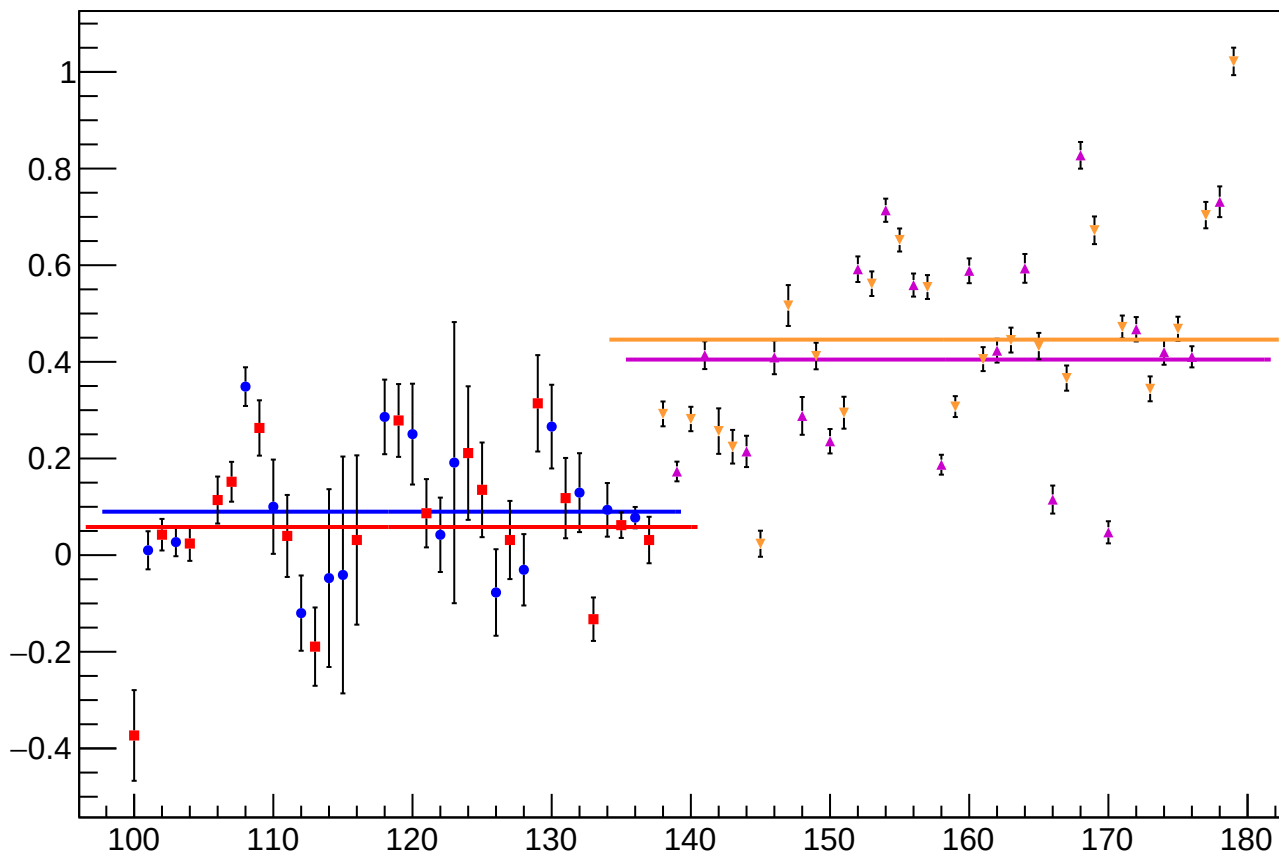
Left In: -37.855 ± 0.131 $\chi^2/\text{NDF}: 1031.8/19$

+ sign -37.124 ± 0.113 $\chi^2/\text{NDF}: 5896.2/38$

All: -36.894 ± 0.081 $\chi^2/\text{NDF}: 13351.7/77$

- sign -36.655 ± 0.116 $\chi^2/\text{NDF}: 7447.2/38$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.446 ± 0.006 $\chi^2/\text{NDF}: 1153.2/21$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

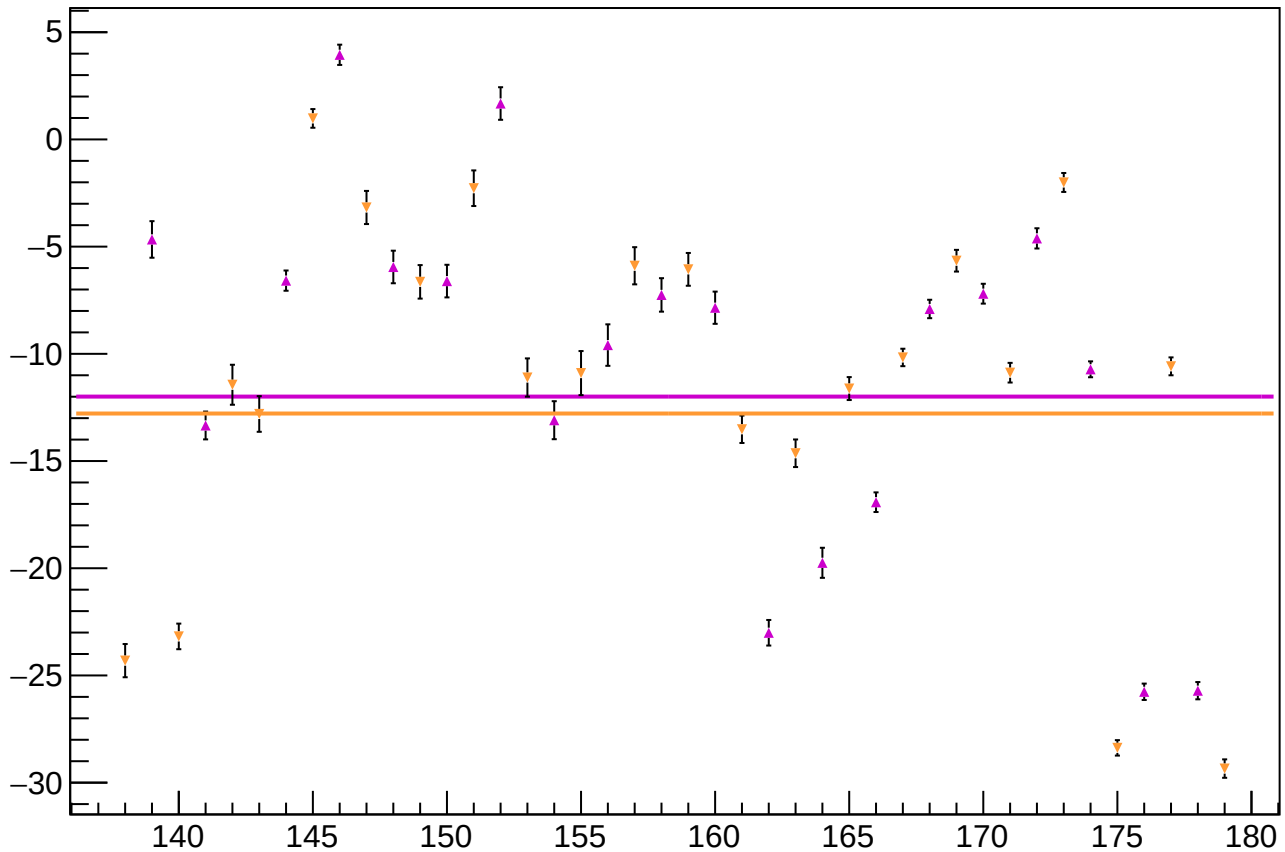
Left In: 0.405 ± 0.006 $\chi^2/\text{NDF}: 1368.4/19$

+ sign 0.386 ± 0.005 $\chi^2/\text{NDF}: 1880.6/38$

All: 0.363 ± 0.004 $\chi^2/\text{NDF}: 4034.0/77$

- sign 0.341 ± 0.005 $\chi^2/\text{NDF}: 2116.2/38$

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

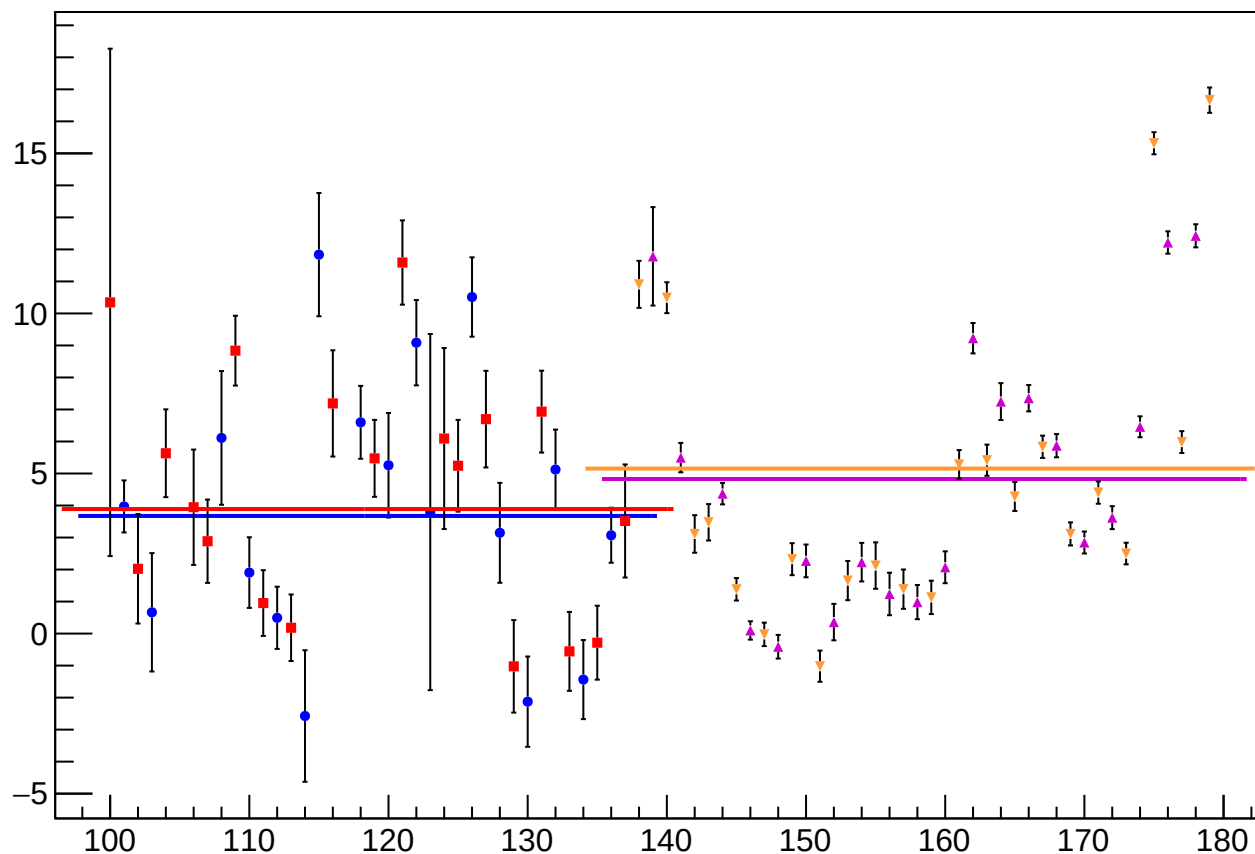
Left In: -11.994+/-0.121 χ^2/NDF : 5353.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.393+/-0.085 χ^2/NDF : 11674.3/41

- 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 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 5.155 ± 0.092 χ^2/NDF : 2688.3/21

Right Out: 3.890 ± 0.316 χ^2/NDF : 133.7/18

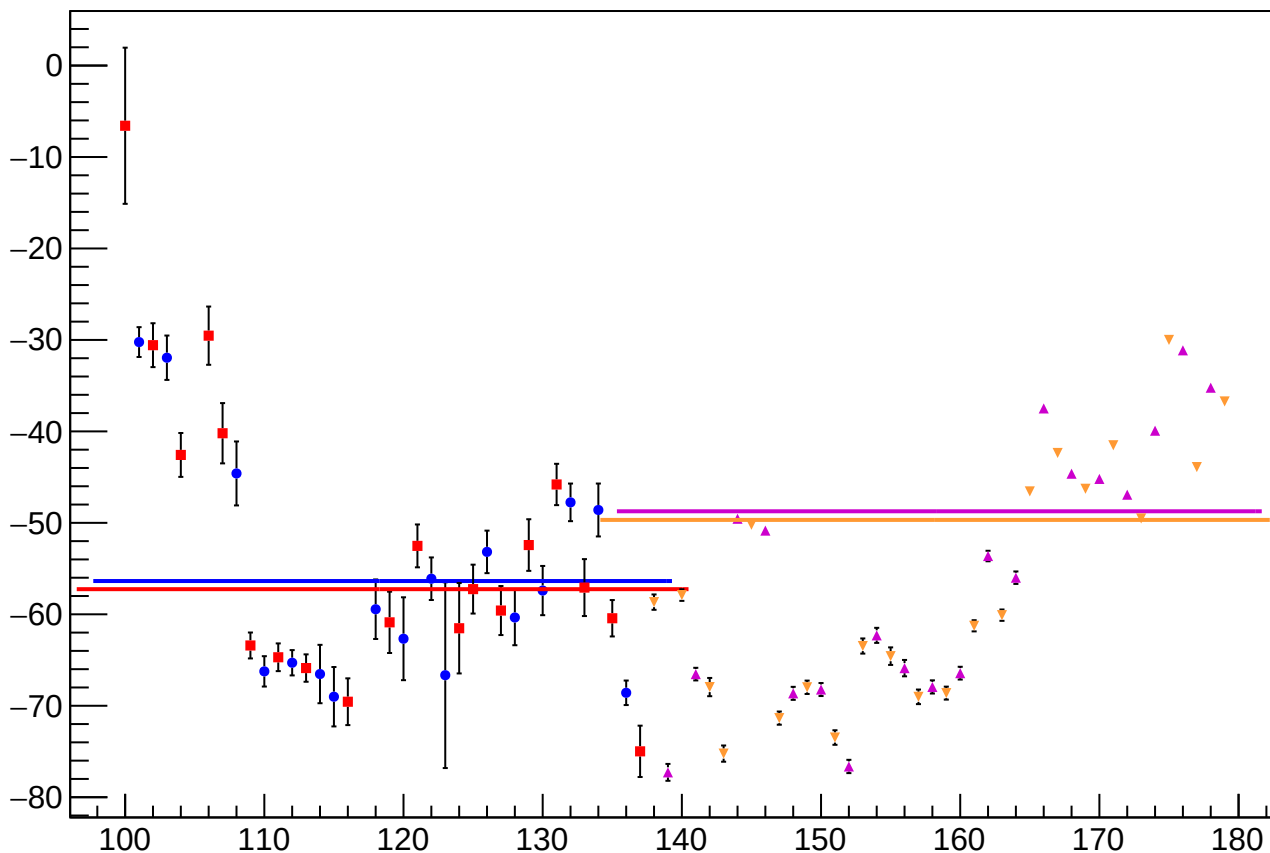
Left In: 4.828 ± 0.093 χ^2/NDF : 1822.9/19

+ sign 5.035 ± 0.088 χ^2/NDF : 2844.4/38

All: 4.896 ± 0.063 χ^2/NDF : 4814.2/77

- sign 4.754 ± 0.089 χ^2/NDF : 1964.8/38

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

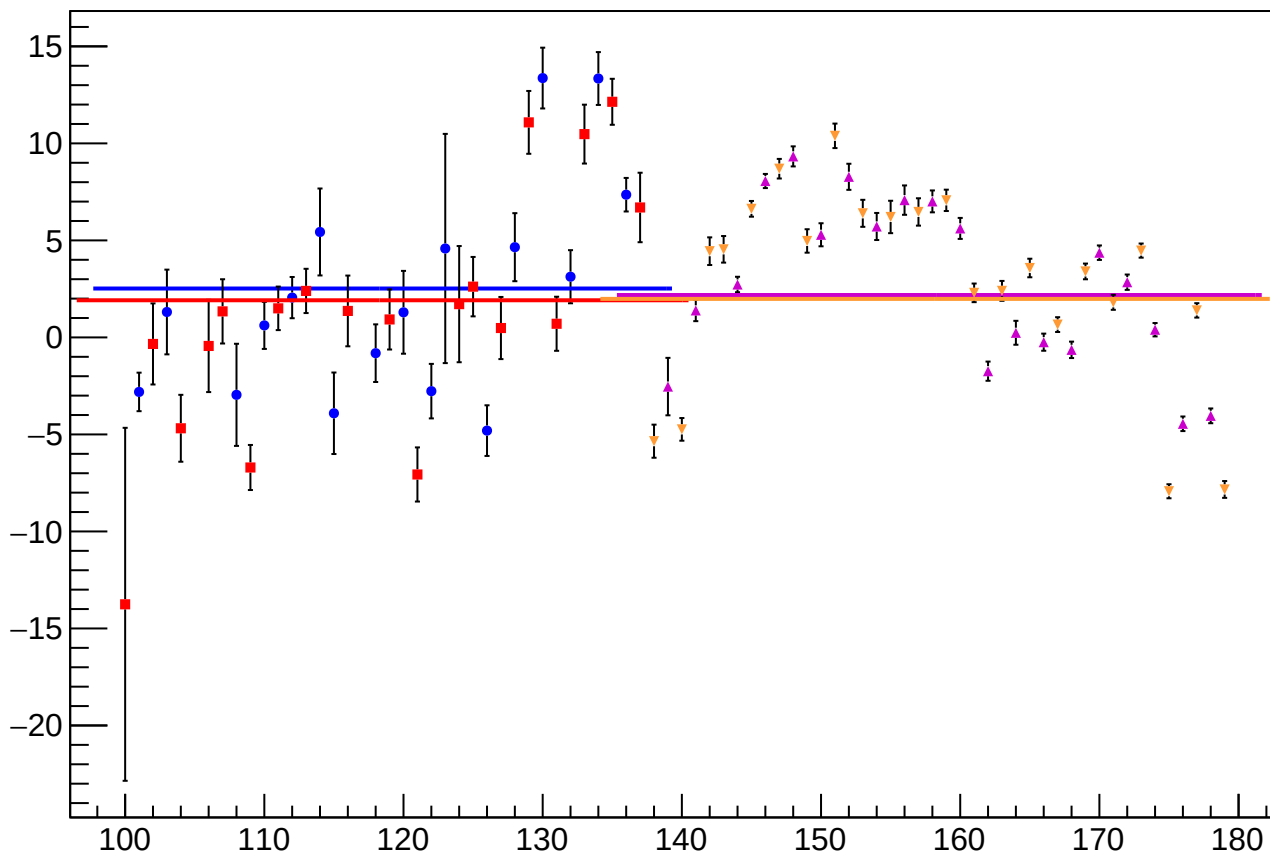
Left In: -48.736 ± 0.121 χ^2/NDF : 11361.6/19

+ sign -49.991 ± 0.117 χ^2/NDF : 11856.7/38

All: -49.574 ± 0.083 χ^2/NDF : 23959.8/77

- sign -49.150 ± 0.118 χ^2/NDF : 12077.7/38

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

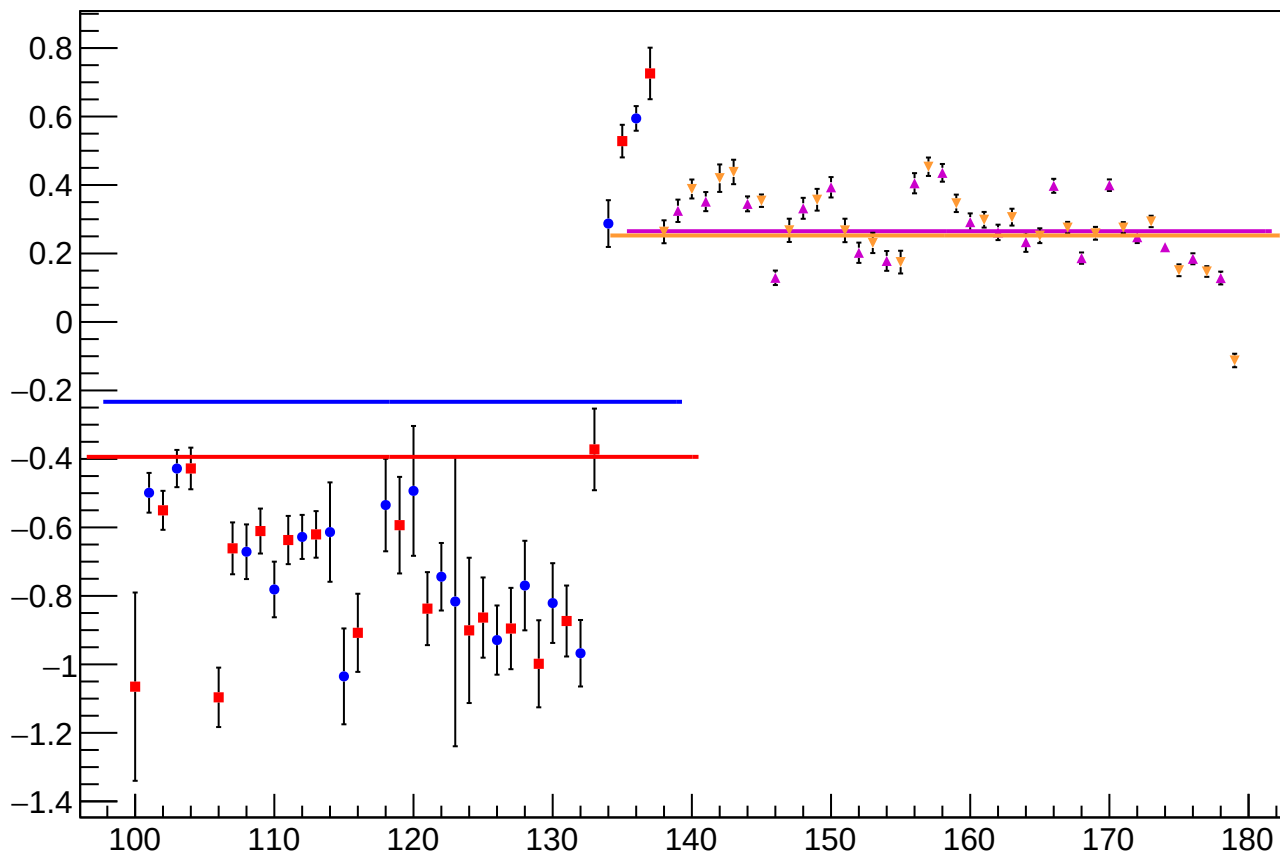
Left In: 2.185 ± 0.105 χ^2/NDF : 1546.9/19

+ sign 2.029 ± 0.100 χ^2/NDF : 2527.9/38

All: 2.095 ± 0.071 χ^2/NDF : 4340.8/77

- sign 2.163 ± 0.101 χ^2/NDF : 1812.0/38

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

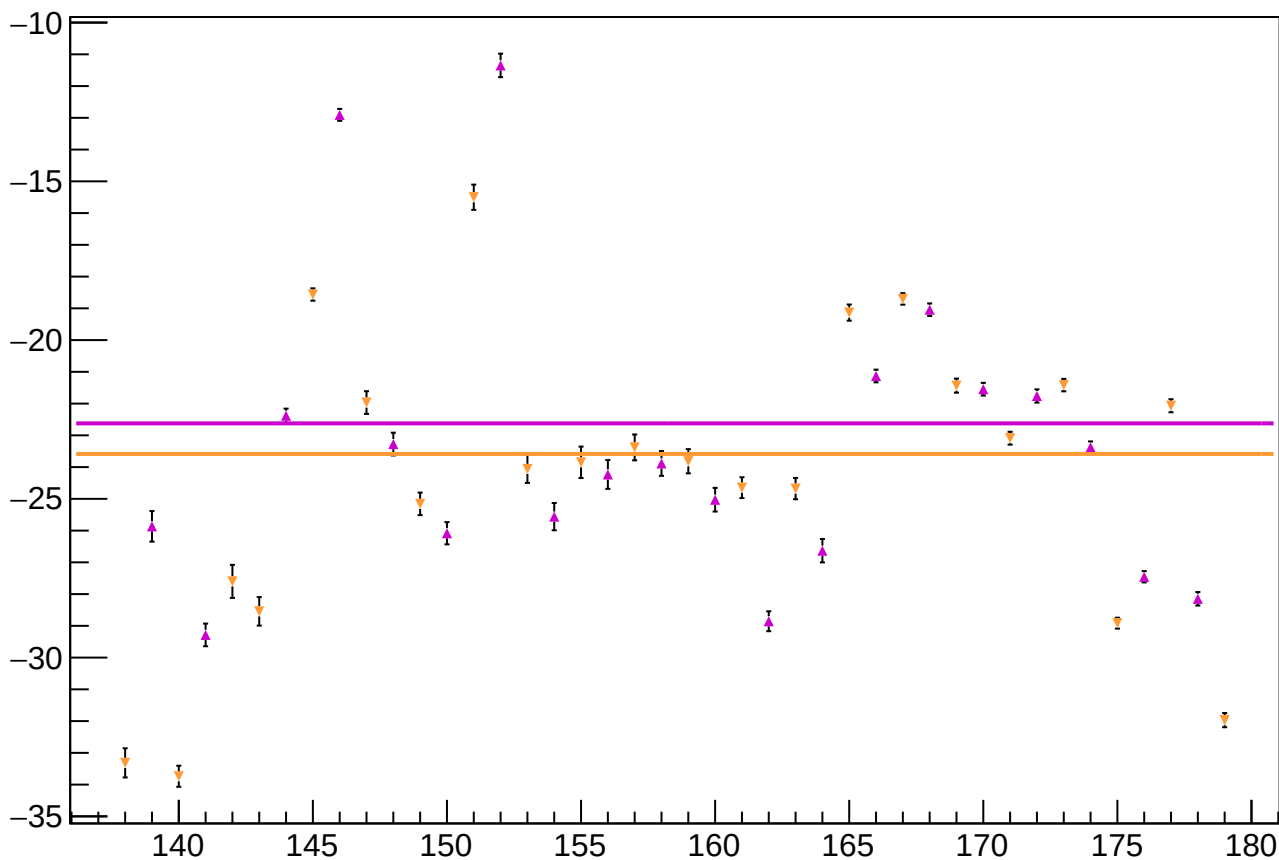
Left In: 0.265 ± 0.005 χ^2/NDF : 390.2/19

+ sign 0.223 ± 0.005 χ^2/NDF : 2203.7/38

All: 0.224 ± 0.003 χ^2/NDF : 4570.4/77

- sign 0.225 ± 0.005 χ^2/NDF : 2366.6/38

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

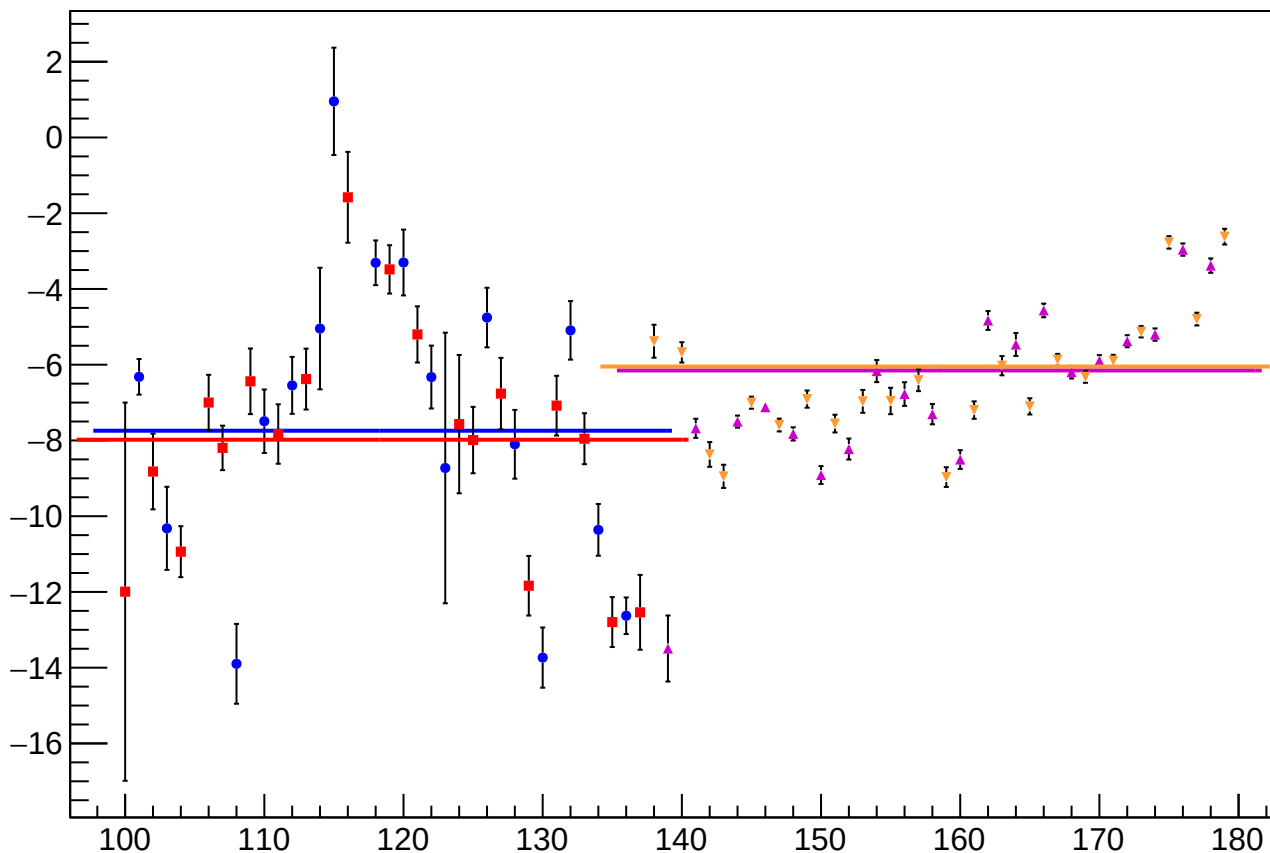
Left In: -22.623 +/- 0.057 χ^2/NDF : 6604.2/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -23.103 +/- 0.040 χ^2/NDF : 13115.9/41

- 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

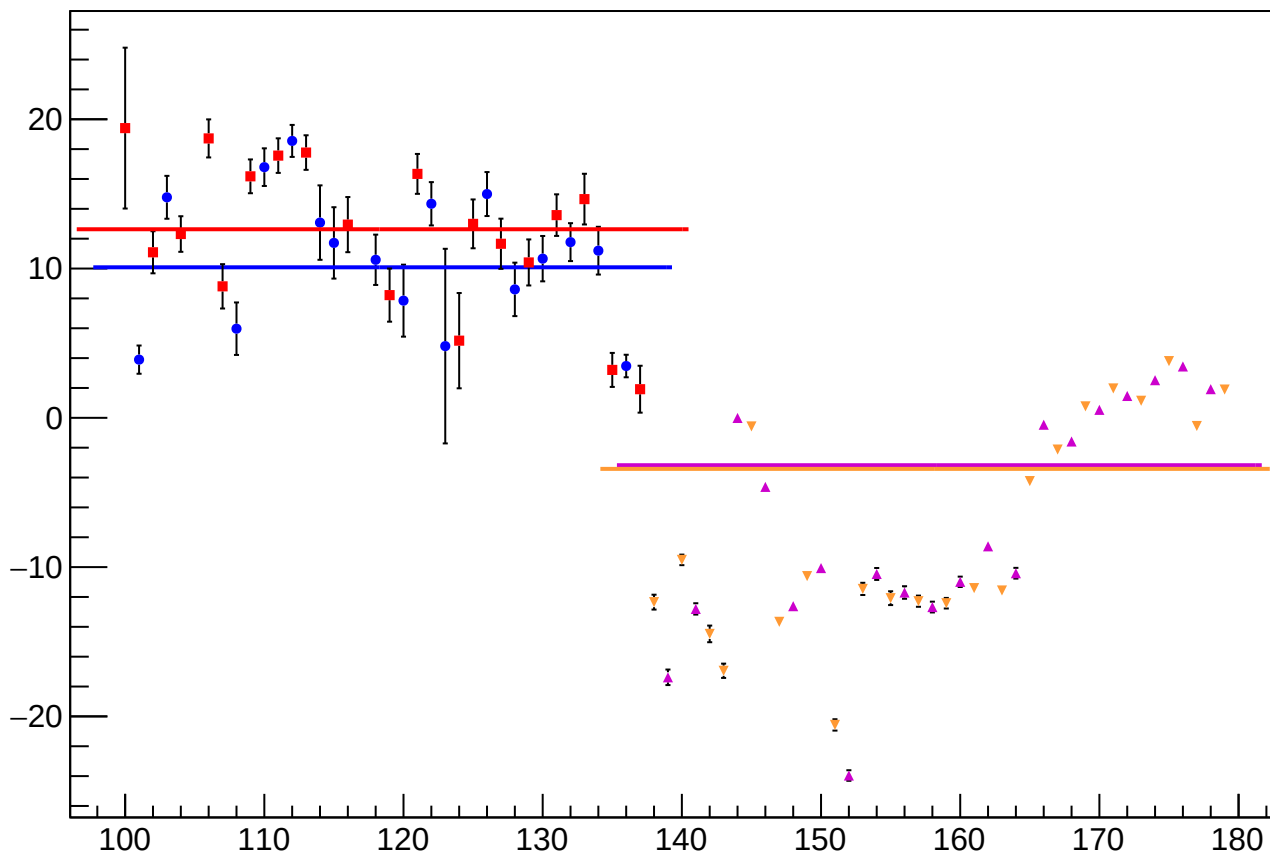
Left In: -6.151 ± 0.044 χ^2/NDF : 1415.4/19

+ sign -6.137 ± 0.043 χ^2/NDF : 1735.3/38

All: -6.192 ± 0.030 χ^2/NDF : 3469.4/77

- sign -6.246 ± 0.042 χ^2/NDF : 1730.8/38

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

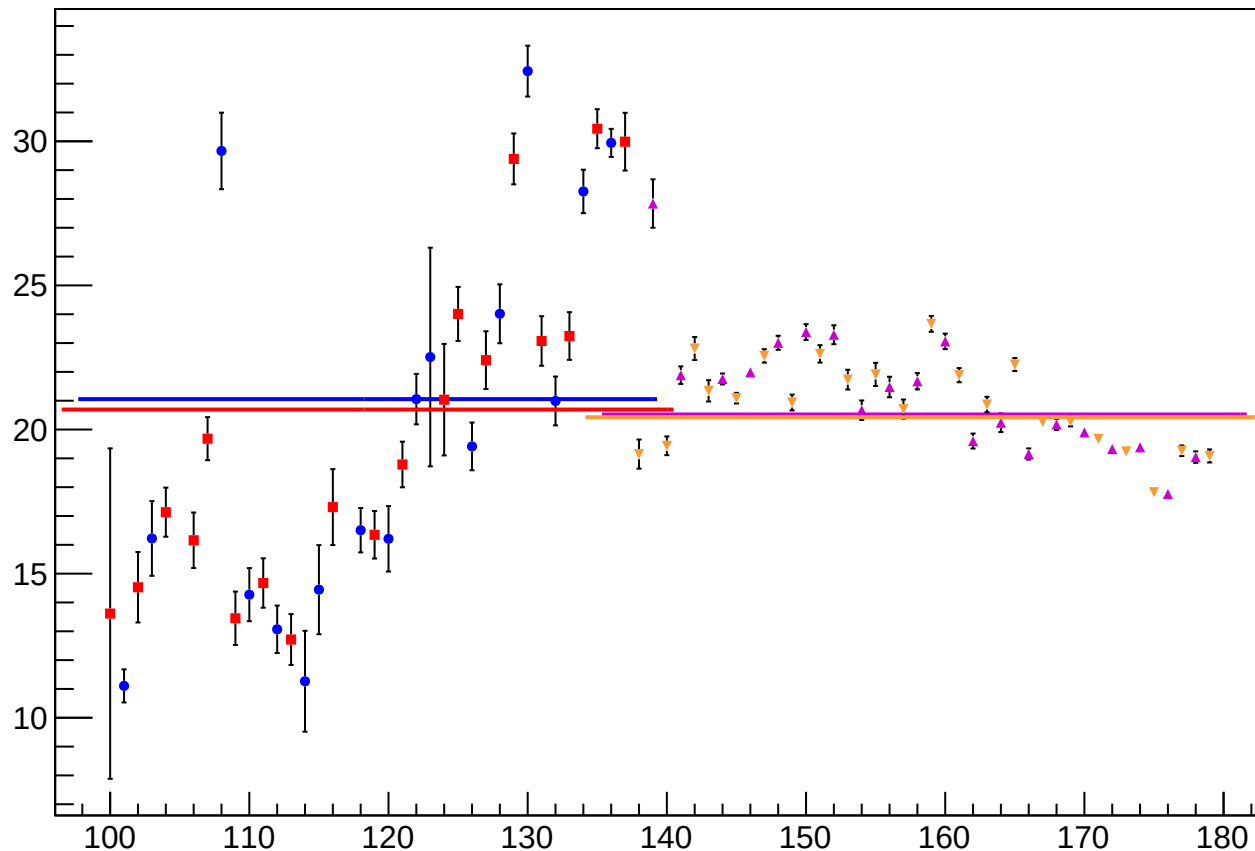
Left In: -3.174 ± 0.057 χ^2/NDF : 12845.3/19

+ sign -3.042 ± 0.057 χ^2/NDF : 14613.2/38

All: -2.882 ± 0.040 χ^2/NDF : 29886.2/77

- sign -2.723 ± 0.056 χ^2/NDF : 15256.9/38

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

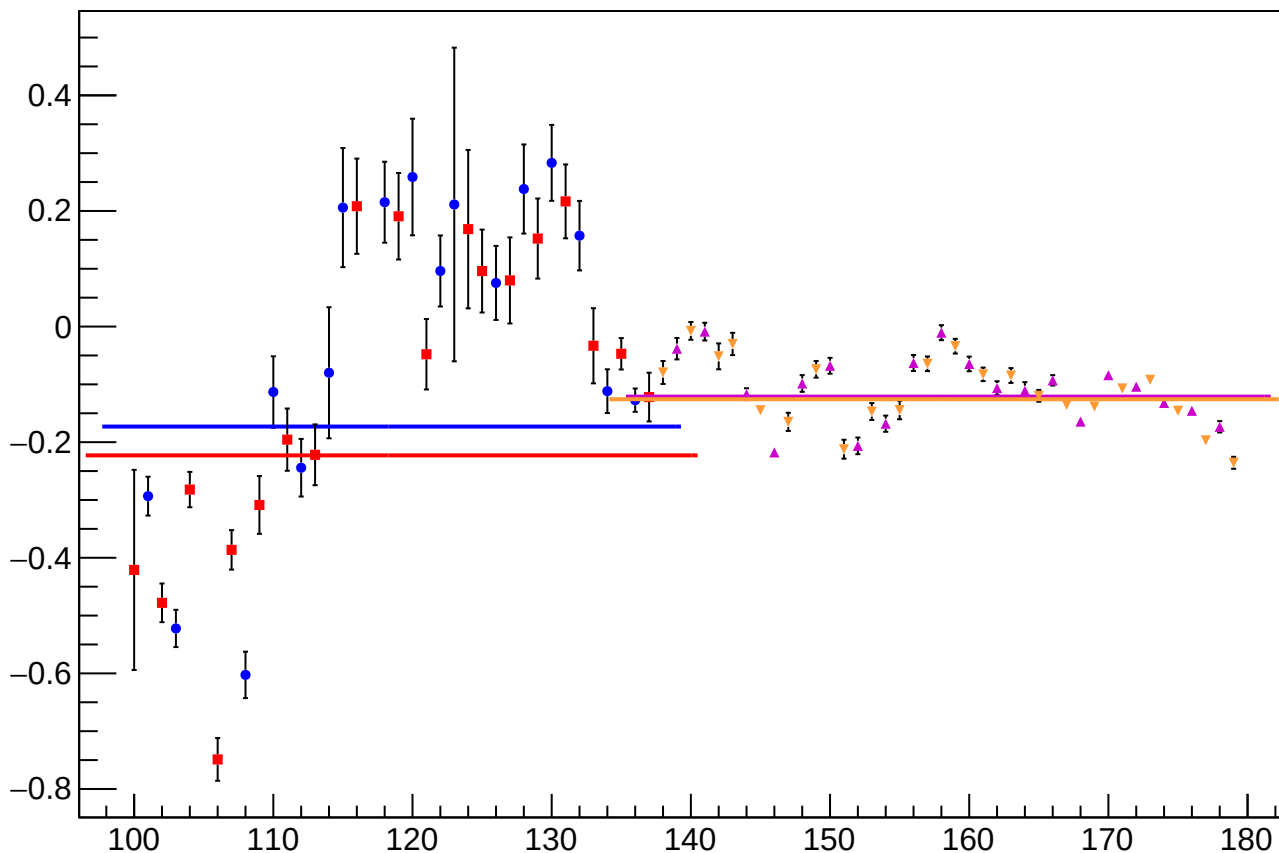
Left In: 20.523 $\pm$ 0.049 χ^2 /NDF:1110.6/19

+ sign 20.460 $\pm$ 0.048 χ^2 /NDF: 2077.2/38

All: 20.496 $\pm$ 0.034 χ^2 /NDF: 3913.7/77

- sign 20.531 $\pm$ 0.048 χ^2 /NDF: 1835.3/38

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

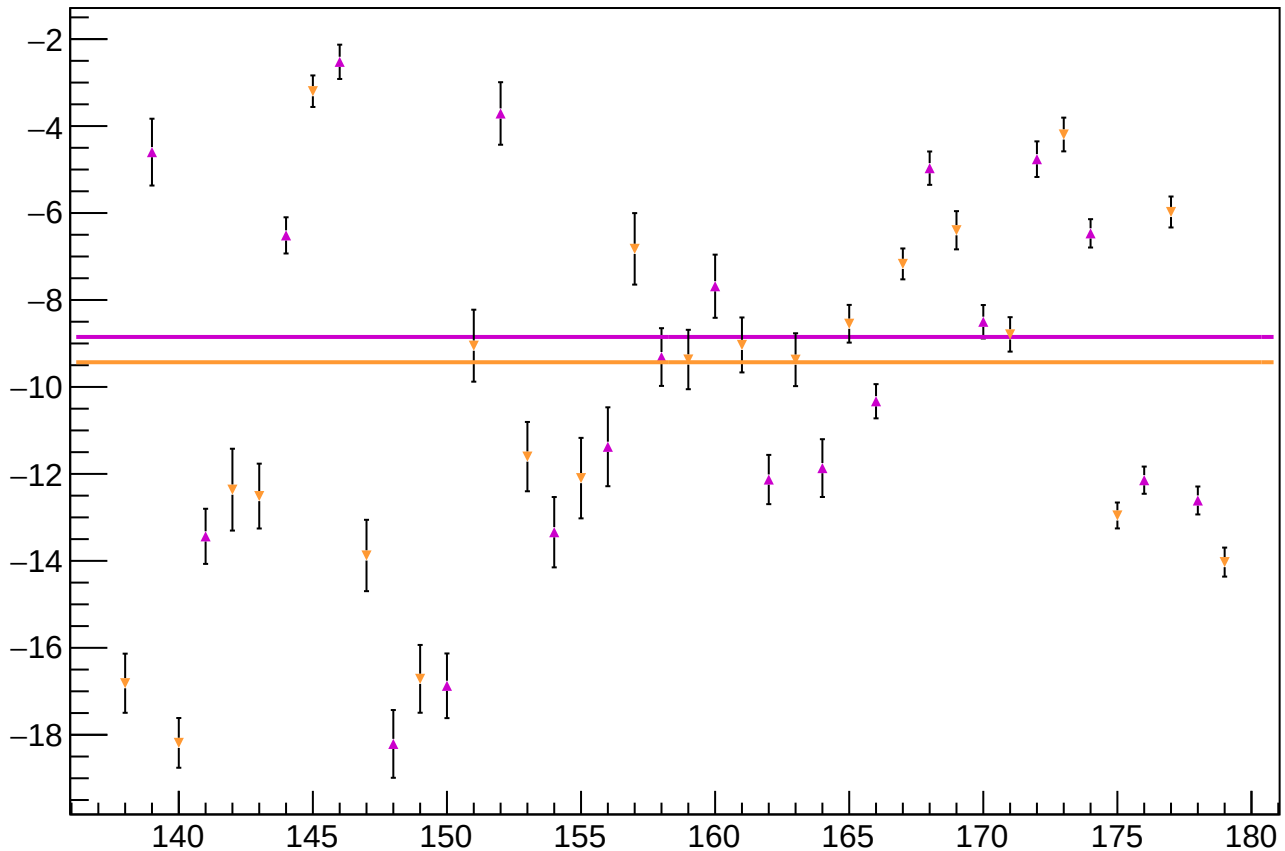
Left In: -0.121 ± 0.002 χ^2/NDF : 495.7/19

+ sign -0.128 ± 0.002 χ^2/NDF : 969.5/38

All: -0.126 ± 0.002 χ^2/NDF : 2083.3/77

- sign -0.125 ± 0.002 χ^2/NDF : 1113.3/38

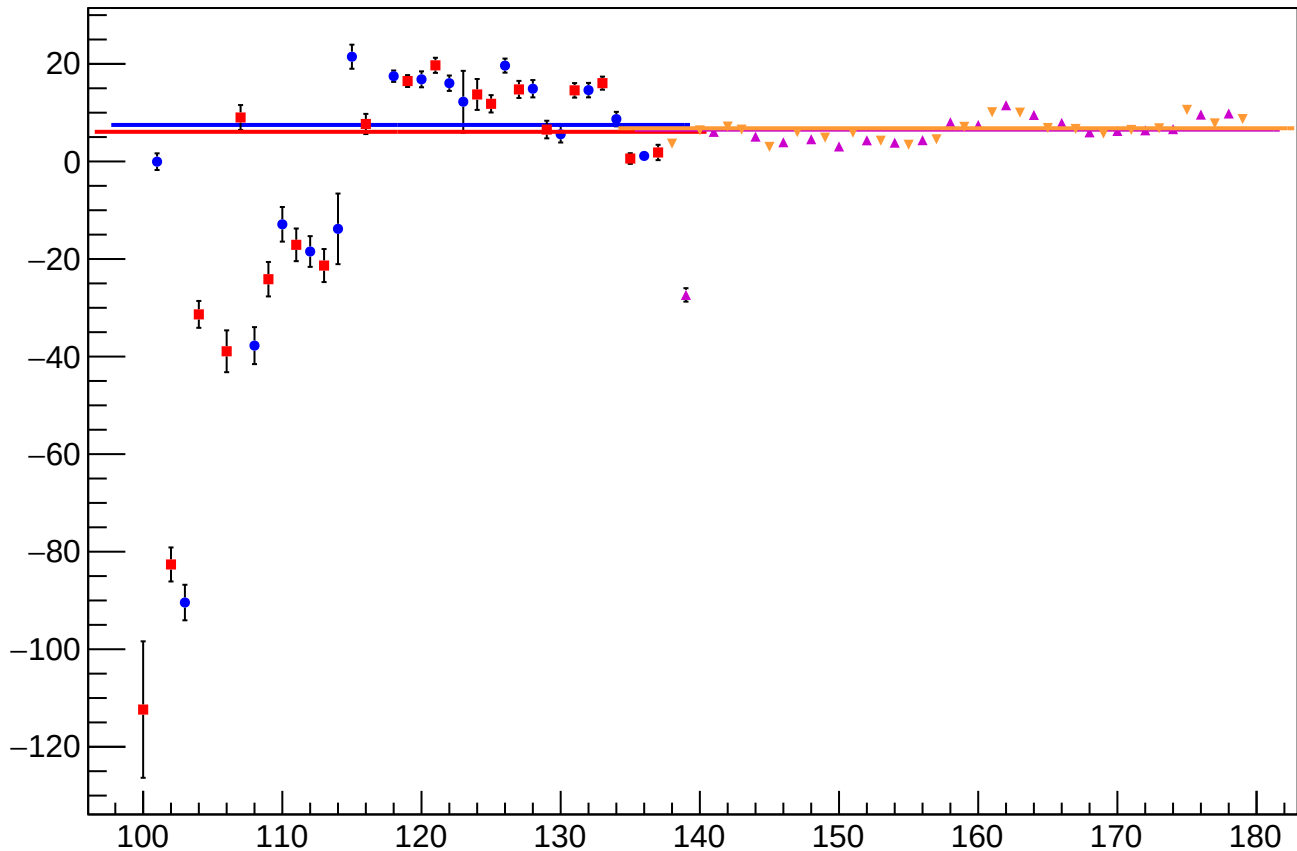
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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: -8.850+/-0.106 χ^2/NDF :1297.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -9.144+/-0.074 χ^2/NDF : 2831.1/41
 - 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

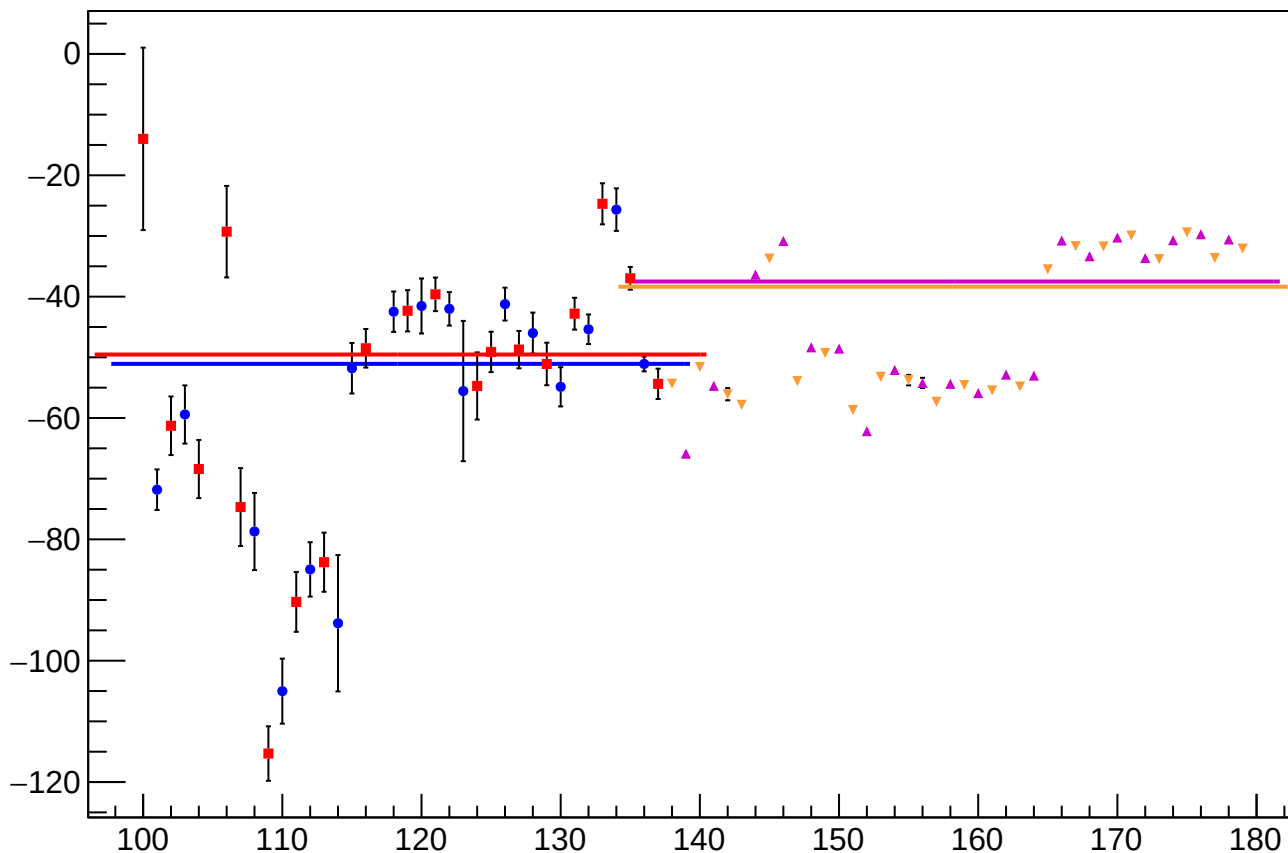
Left In: 6.519 ± 0.083 χ^2/NDF : 1291.5/19

+ sign 6.831 ± 0.080 χ^2/NDF : 1973.3/38

All: 6.669 ± 0.057 χ^2/NDF : 4786.2/77

- sign 6.503 ± 0.081 χ^2/NDF : 2804.6/38

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -38.614 ± 0.105 χ^2/NDF : 9508.1/21

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

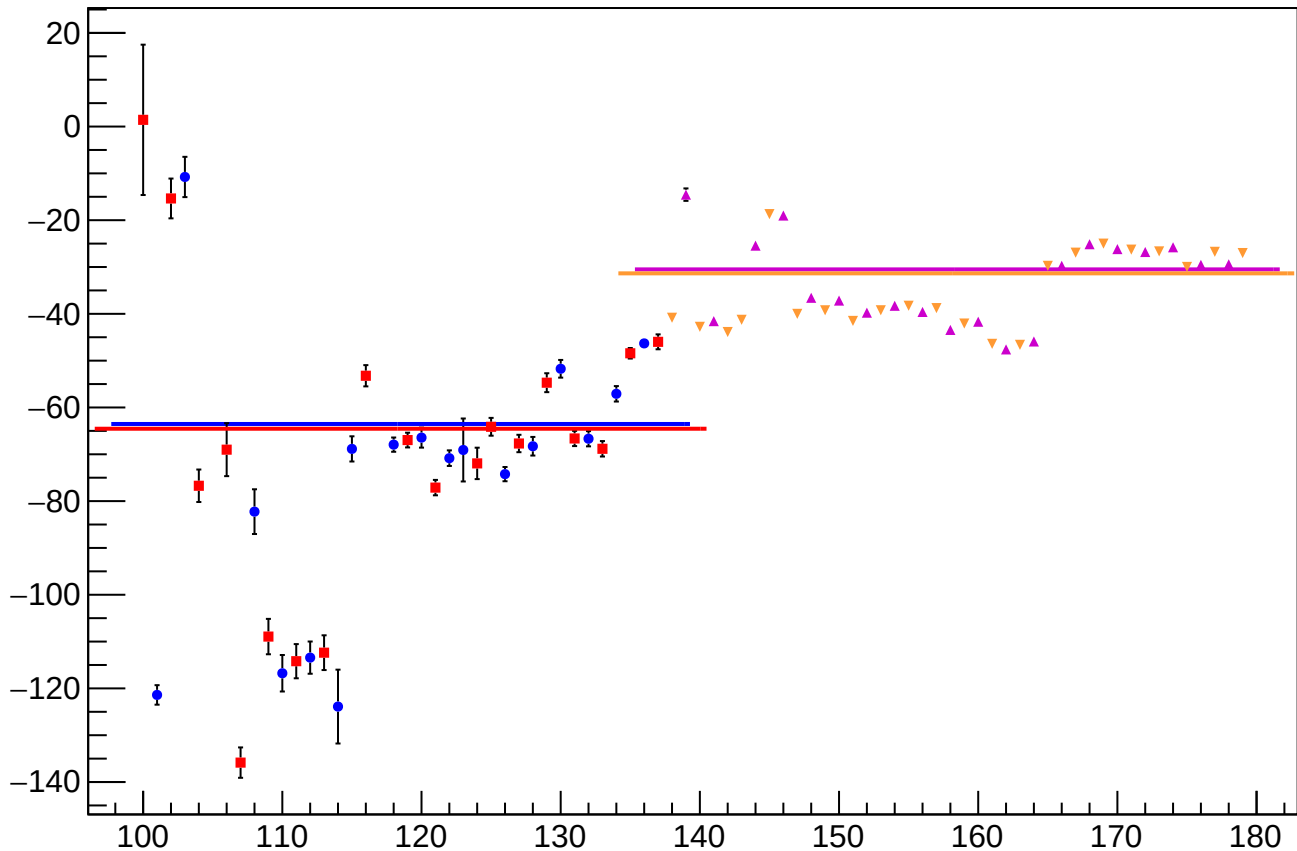
Left In: -37.510 ± 0.106 χ^2/NDF : 9839.7/19

+ sign -38.614 ± 0.104 χ^2/NDF : 10126.9/38

All: -38.171 ± 0.074 χ^2/NDF : 20736.0/77

- sign -37.718 ± 0.105 χ^2/NDF : 10572.3/38

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

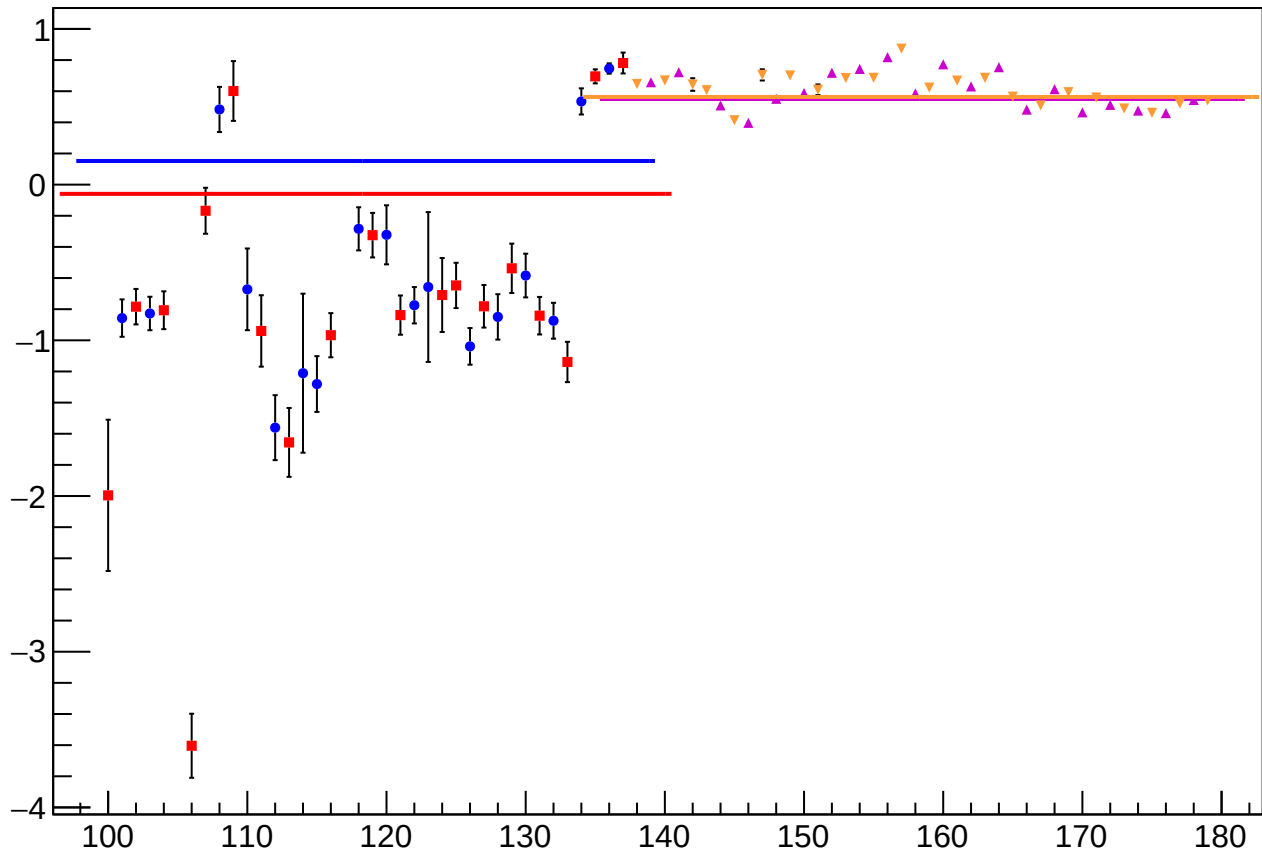
Left In: -30.507 ± 0.093 χ^2/NDF : 6868.3/19

+ sign -32.641 ± 0.090 χ^2/NDF : 14429.4/38

All: -32.188 ± 0.064 χ^2/NDF : 27741.1/77

- sign -31.721 ± 0.091 χ^2/NDF : 13259.9/38

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.563 ± 0.004 $\chi^2/\text{NDF}: 510.6/21$

Right Out: -0.059 ± 0.026 $\chi^2/\text{NDF}: 1161.9/18$

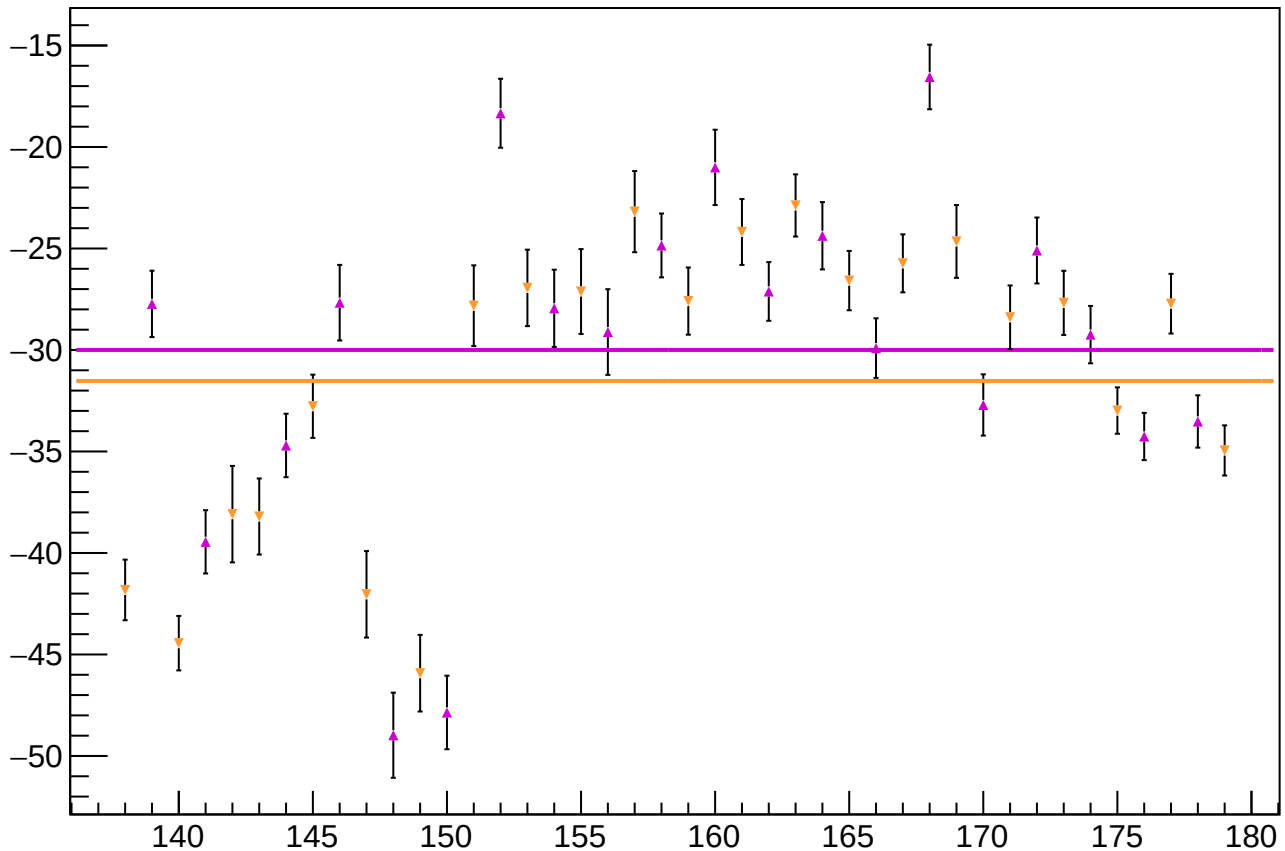
Left In: 0.550 ± 0.004 $\chi^2/\text{NDF}: 630.5/19$

+ sign 0.551 ± 0.004 $\chi^2/\text{NDF}: 1782.4/38$

All: 0.543 ± 0.003 $\chi^2/\text{NDF}: 4105.8/77$

- sign 0.535 ± 0.004 $\chi^2/\text{NDF}: 2315.7/38$

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

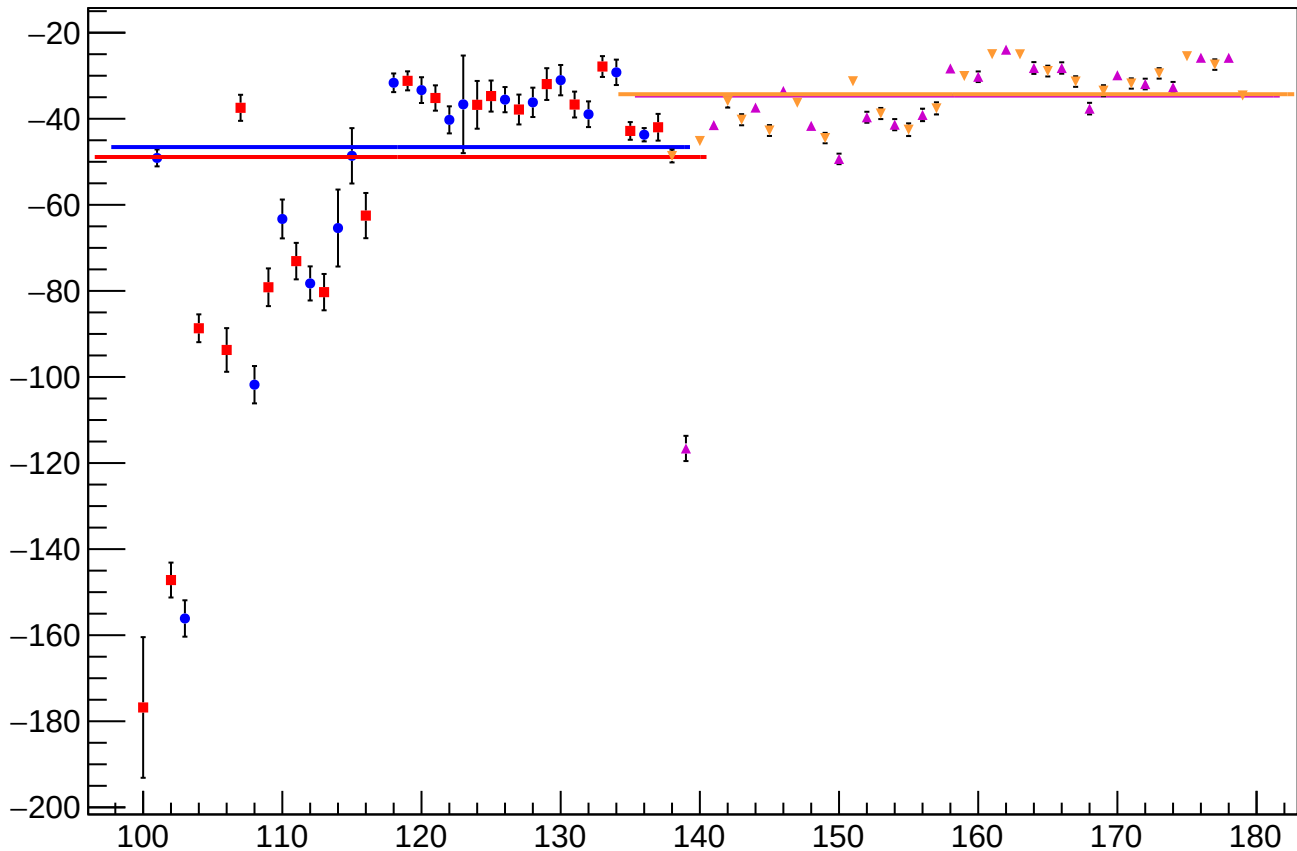
Left In: -29.997+/-0.355 χ^2/NDF : 431.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -30.789+/-0.247 χ^2/NDF : 842.6/41

- 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

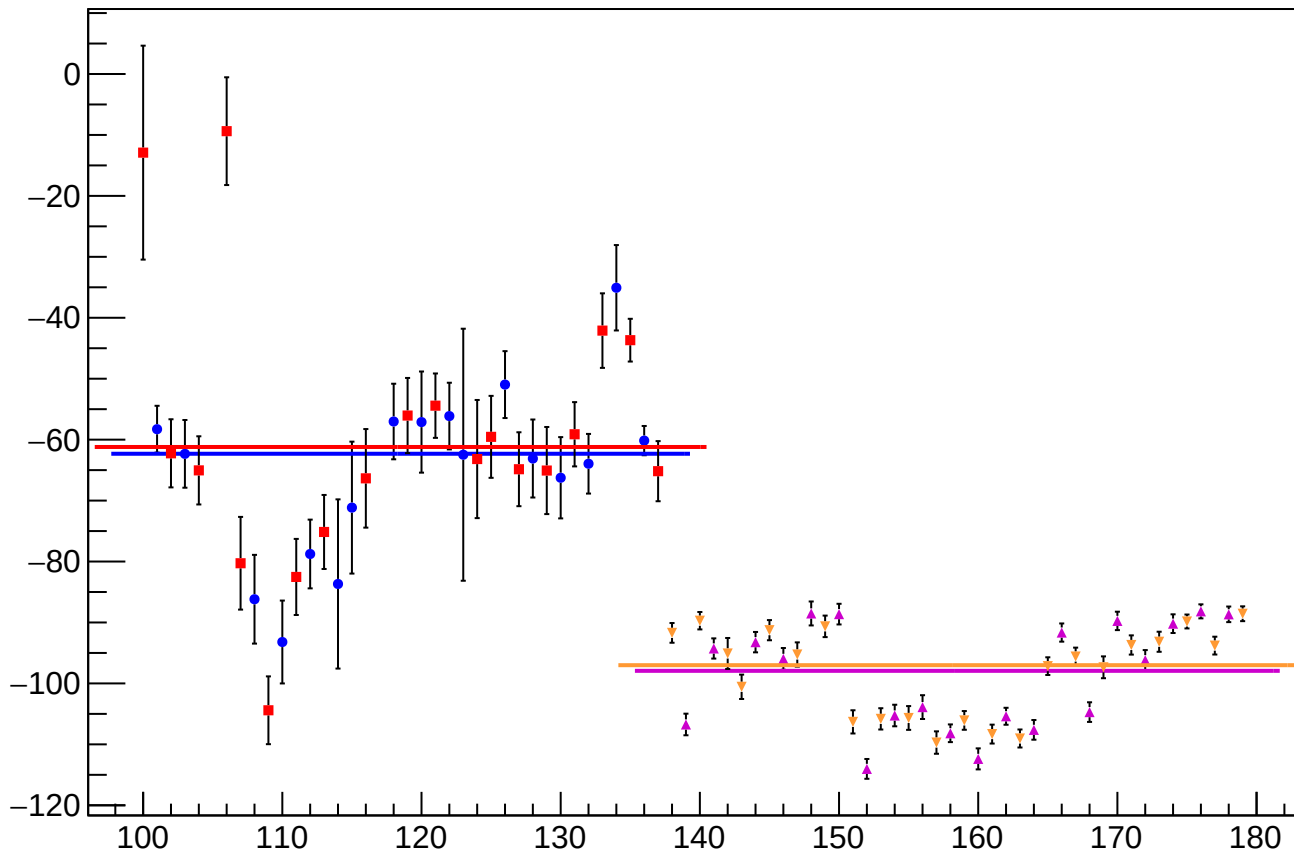
Left In: -34.612 ± 0.273 χ^2/NDF : 1401.6/19

+ sign -35.683 ± 0.245 χ^2/NDF : 2001.0/38

All: -35.945 ± 0.178 χ^2/NDF : 4992.5/77

- sign -36.233 ± 0.257 χ^2/NDF : 2989.0/38

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -97.009 ± 0.341 χ^2/NDF : 440.8/21

Right Out: -61.203 ± 1.381 χ^2/NDF : 165.0/18

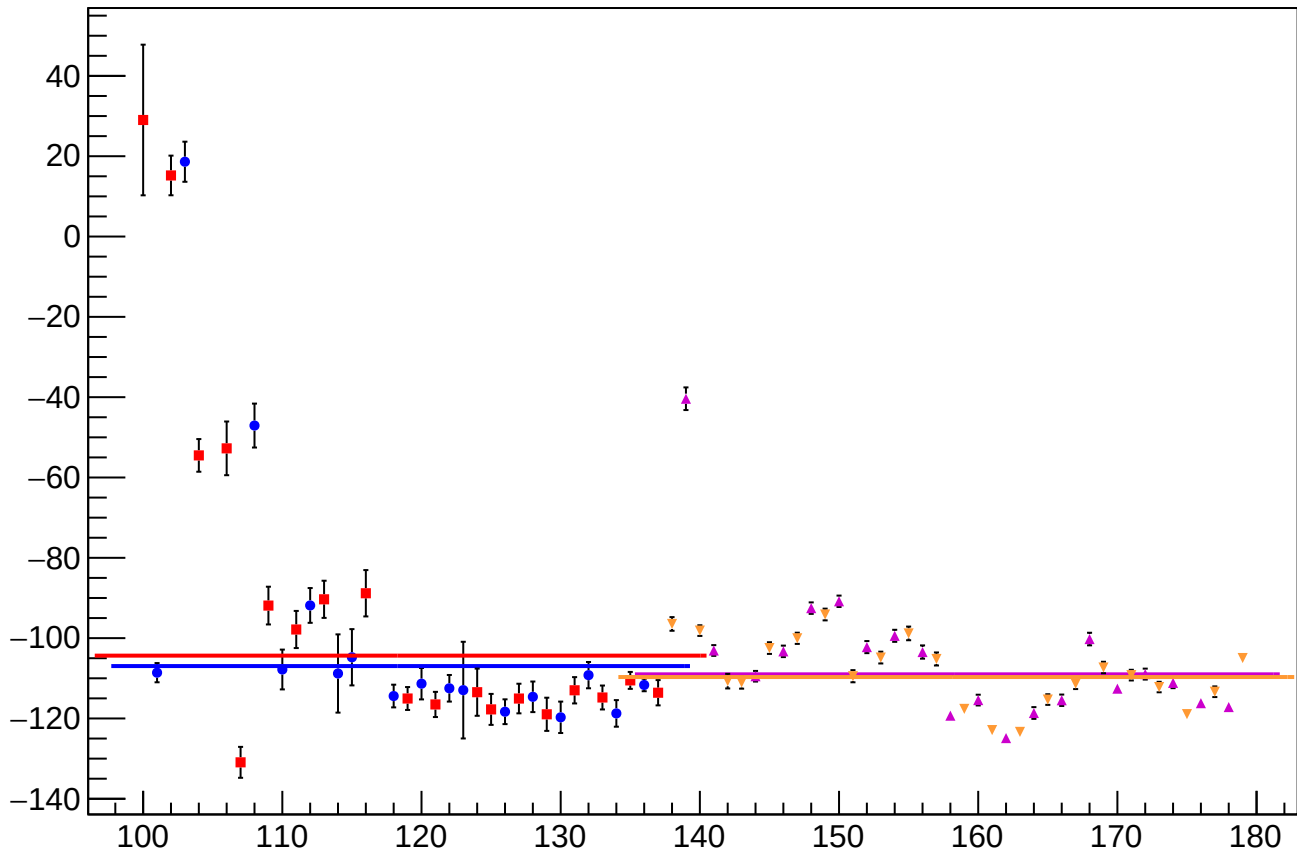
Left In: -97.937 ± 0.352 χ^2/NDF : 616.3/19

+ sign -94.828 ± 0.330 χ^2/NDF : 1159.7/38

All: -95.245 ± 0.237 χ^2/NDF : 2608.6/77

- sign -95.692 ± 0.341 χ^2/NDF : 1445.6/38

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -109.685 ± 0.295 $\chi^2/\text{NDF}: 782.0/21$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

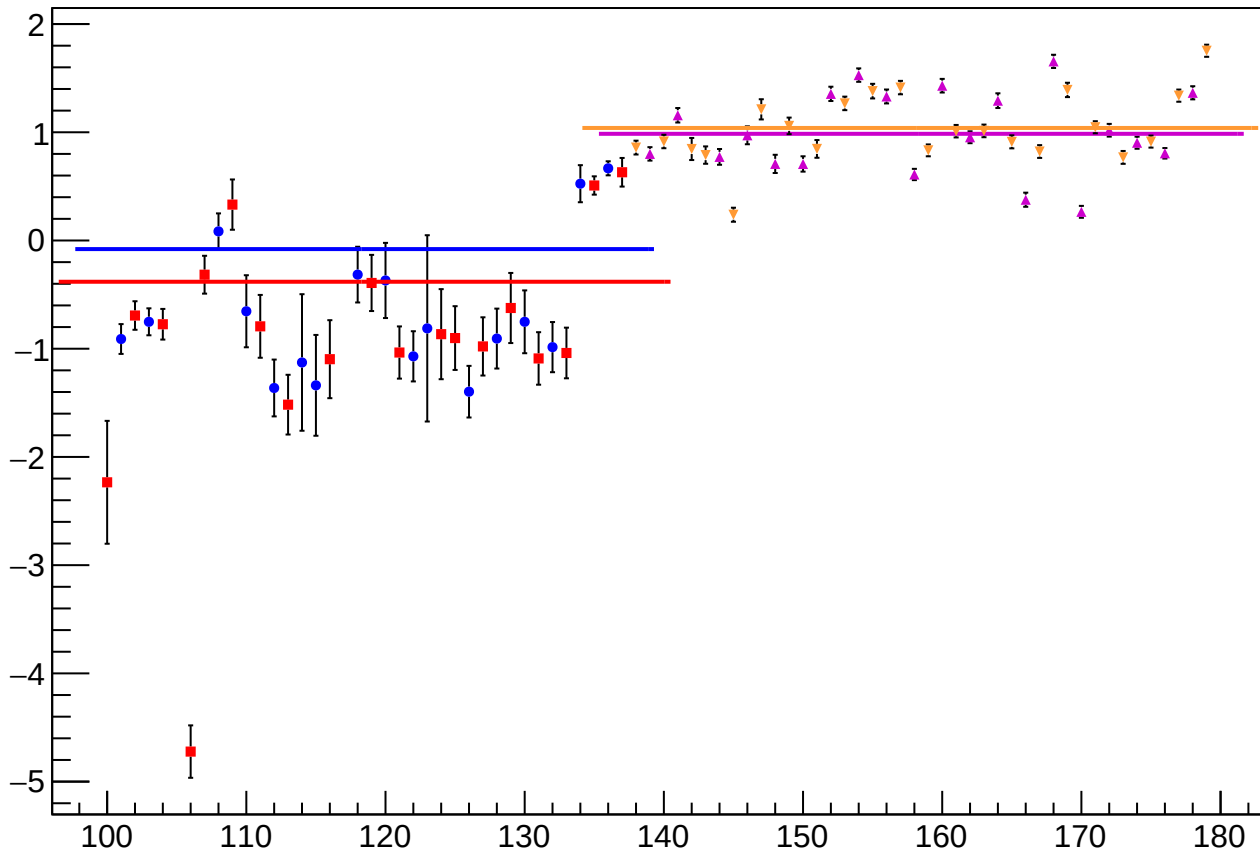
Left In: -109.013 ± 0.308 $\chi^2/\text{NDF}: 1464.6/19$

+ sign -109.371 ± 0.277 $\chi^2/\text{NDF}: 1619.1/38$

All: -108.947 ± 0.200 $\chi^2/\text{NDF}: 4135.6/77$

- sign -108.485 ± 0.290 $\chi^2/\text{NDF}: 2511.6/38$

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

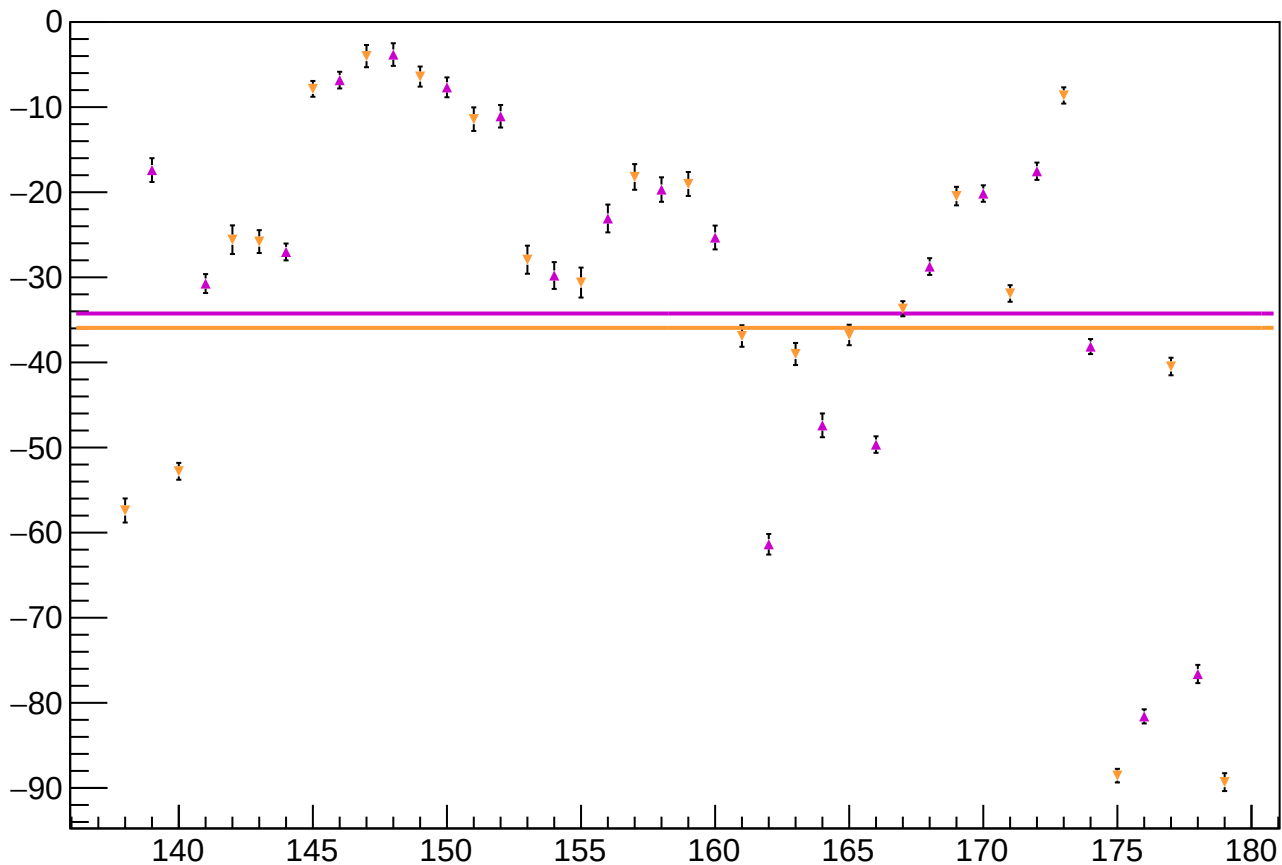
Left In: 0.986 ± 0.014 χ^2/NDF : 741.9/19

+ sign 0.935 ± 0.013 χ^2/NDF : 1502.7/38

All: 0.900 ± 0.009 χ^2/NDF : 3718.1/77

- sign 0.862 ± 0.013 χ^2/NDF : 2199.8/38

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

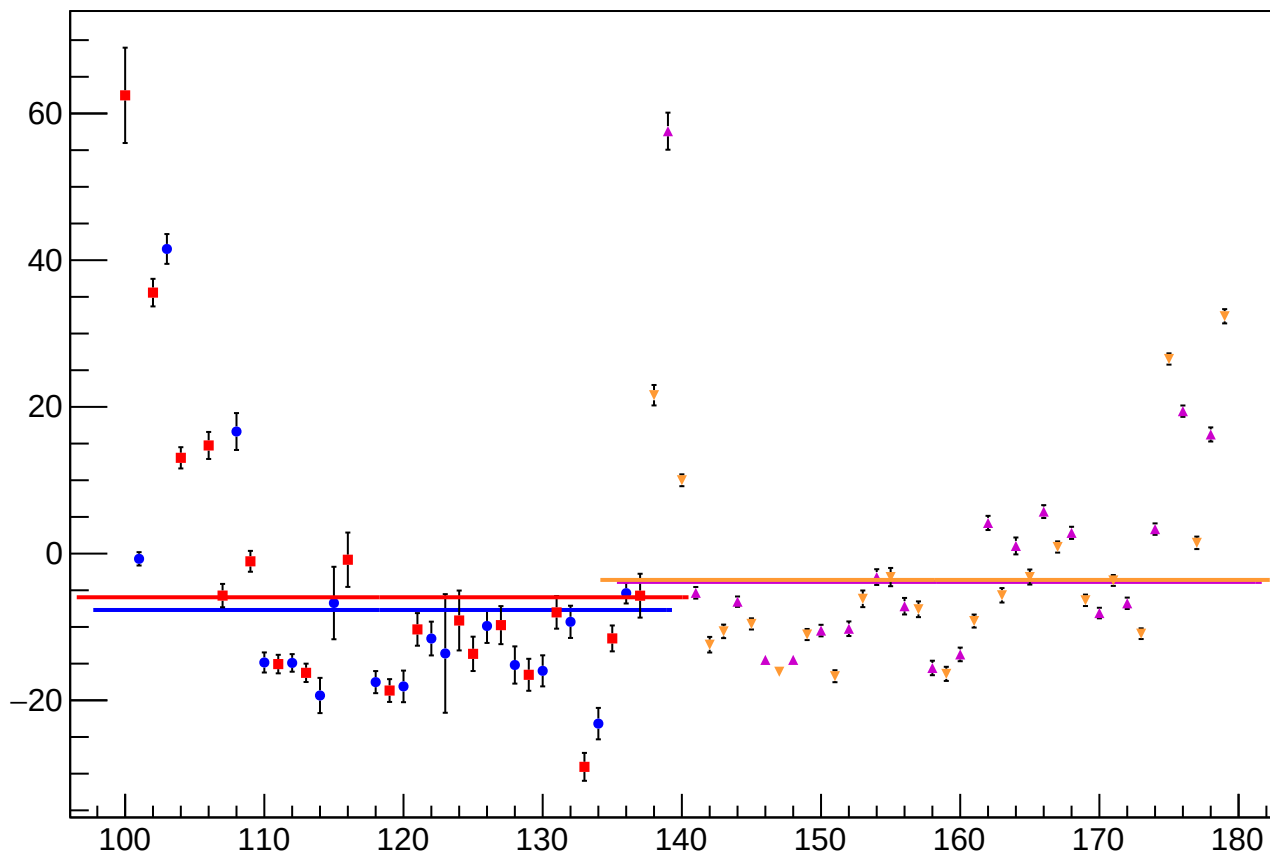
Left In: -34.253+/-0.250 χ^2/NDF :8715.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -35.112+/-0.175 χ^2/NDF : 20104.2/41

- 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

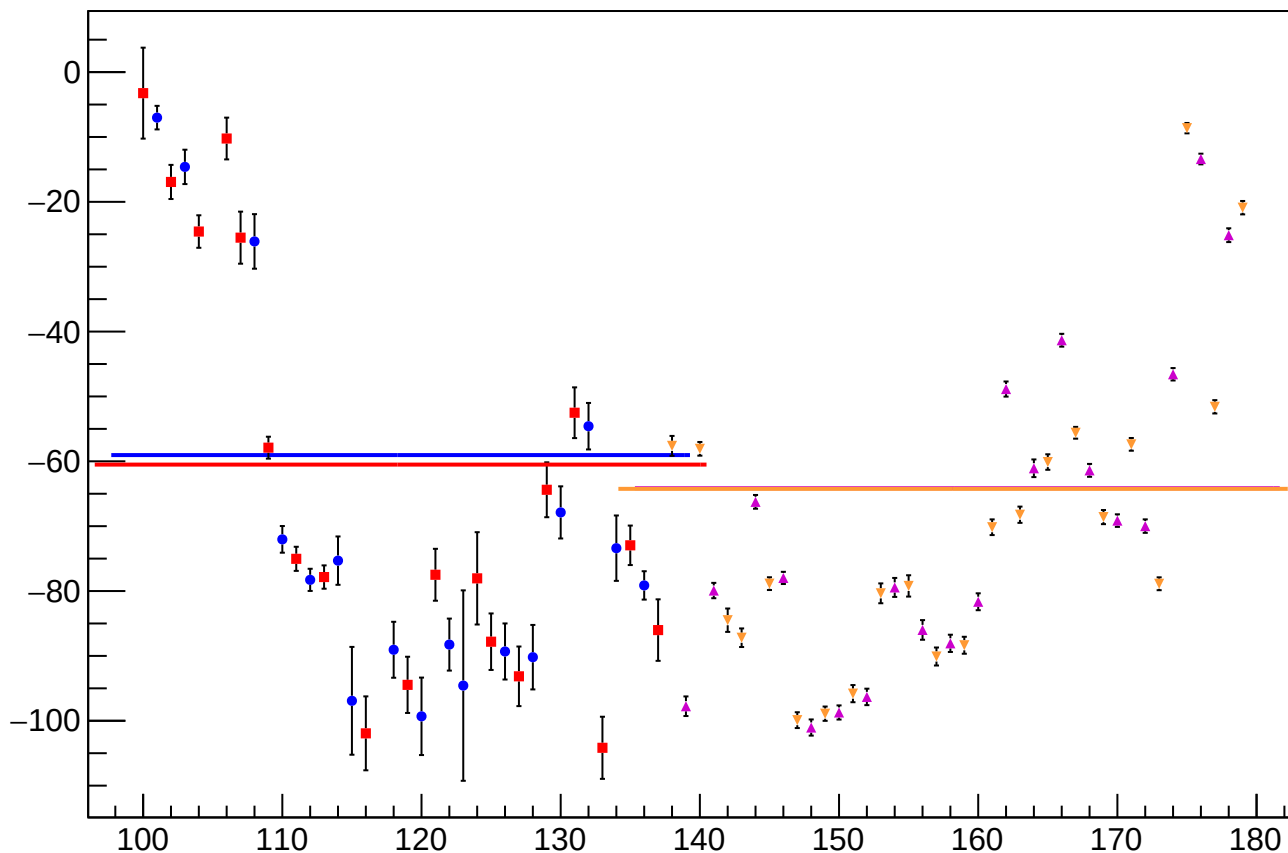
Left In: -3.859 ± 0.190 χ^2/NDF : 3301.3/19

+ sign -4.225 ± 0.169 χ^2/NDF : 5938.6/38

All: -4.214 ± 0.121 χ^2/NDF : 10557.9/77

- sign -4.202 ± 0.174 χ^2/NDF : 4619.3/38

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -64.245 ± 0.245 χ^2/NDF : 11100.7/21

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

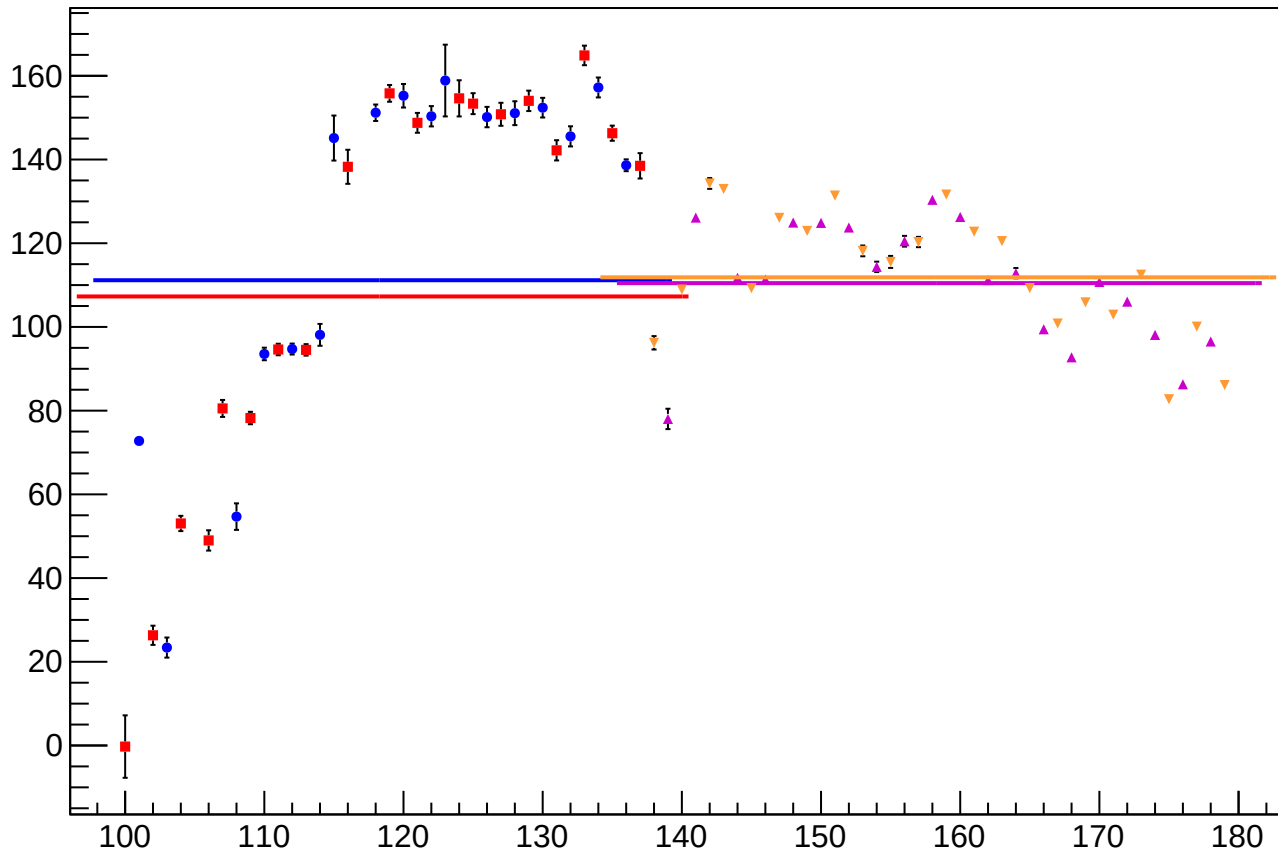
Left In: -64.146 ± 0.249 χ^2/NDF : 10492.4/19

+ sign -63.738 ± 0.233 χ^2/NDF : 12854.2/38

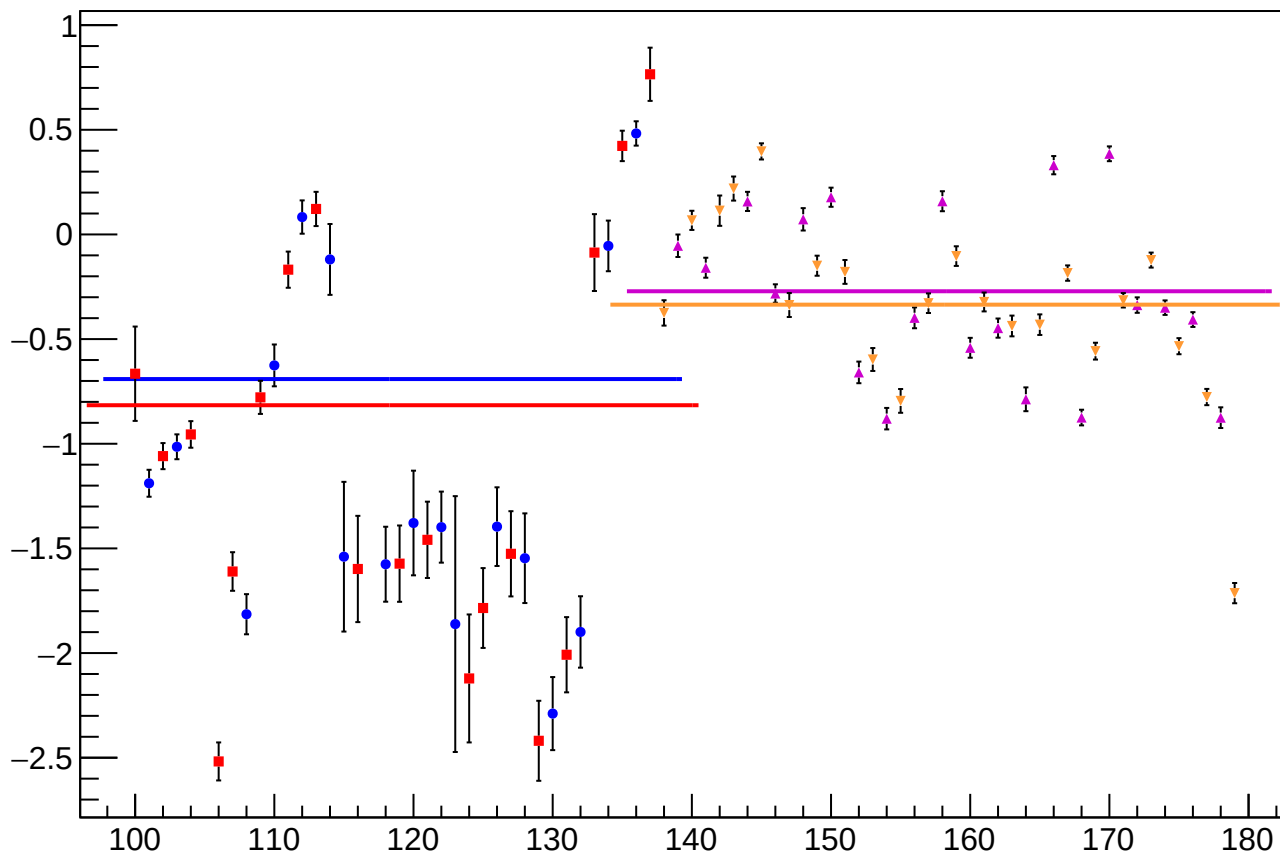
All: -63.739 ± 0.165 χ^2/NDF : 24755.2/77

- sign -63.740 ± 0.235 χ^2/NDF : 11901.0/38

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

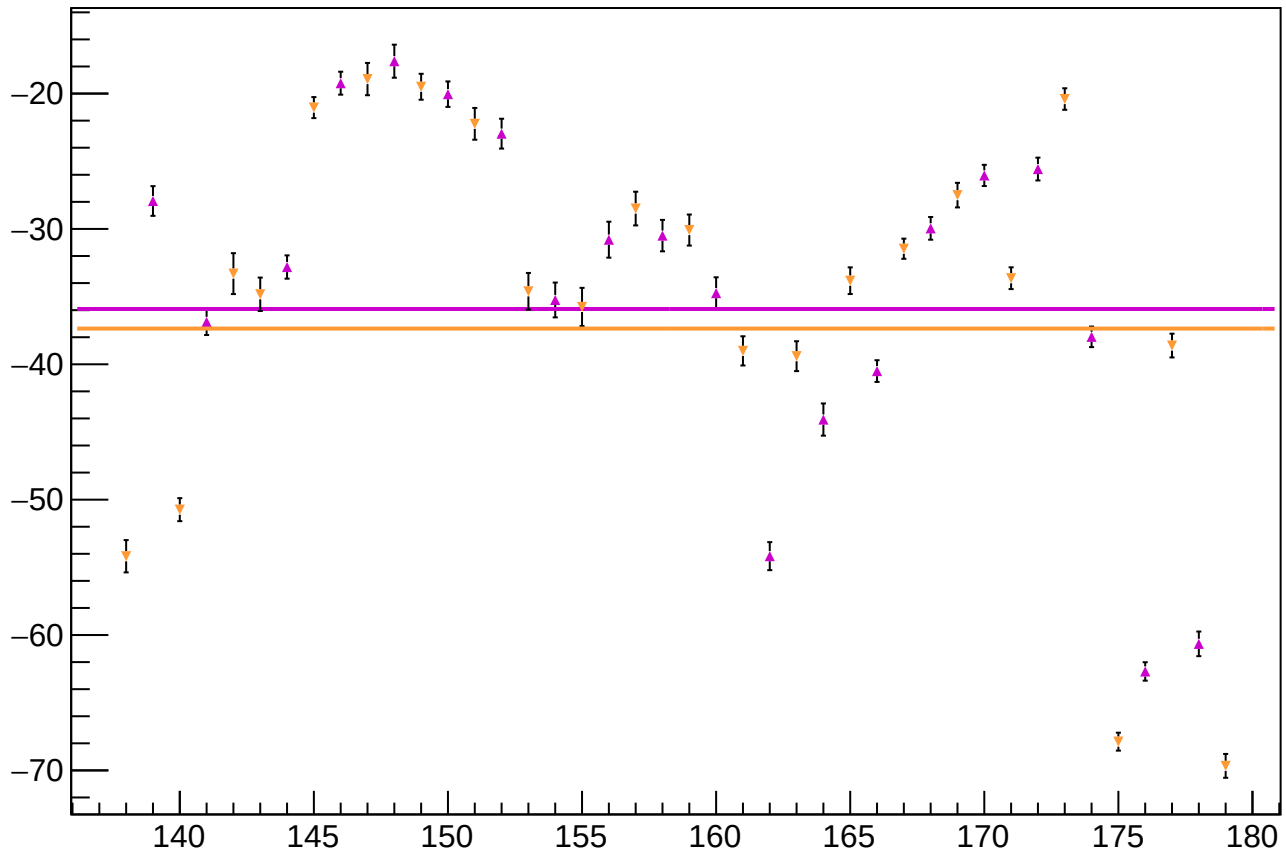
Left In: -0.271 ± 0.010 χ^2/NDF : 1630.7/19

+ sign -0.380 ± 0.009 χ^2/NDF : 2919.4/38

All: -0.364 ± 0.006 χ^2/NDF : 6289.3/77

- sign -0.348 ± 0.009 χ^2/NDF : 3364.0/38

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

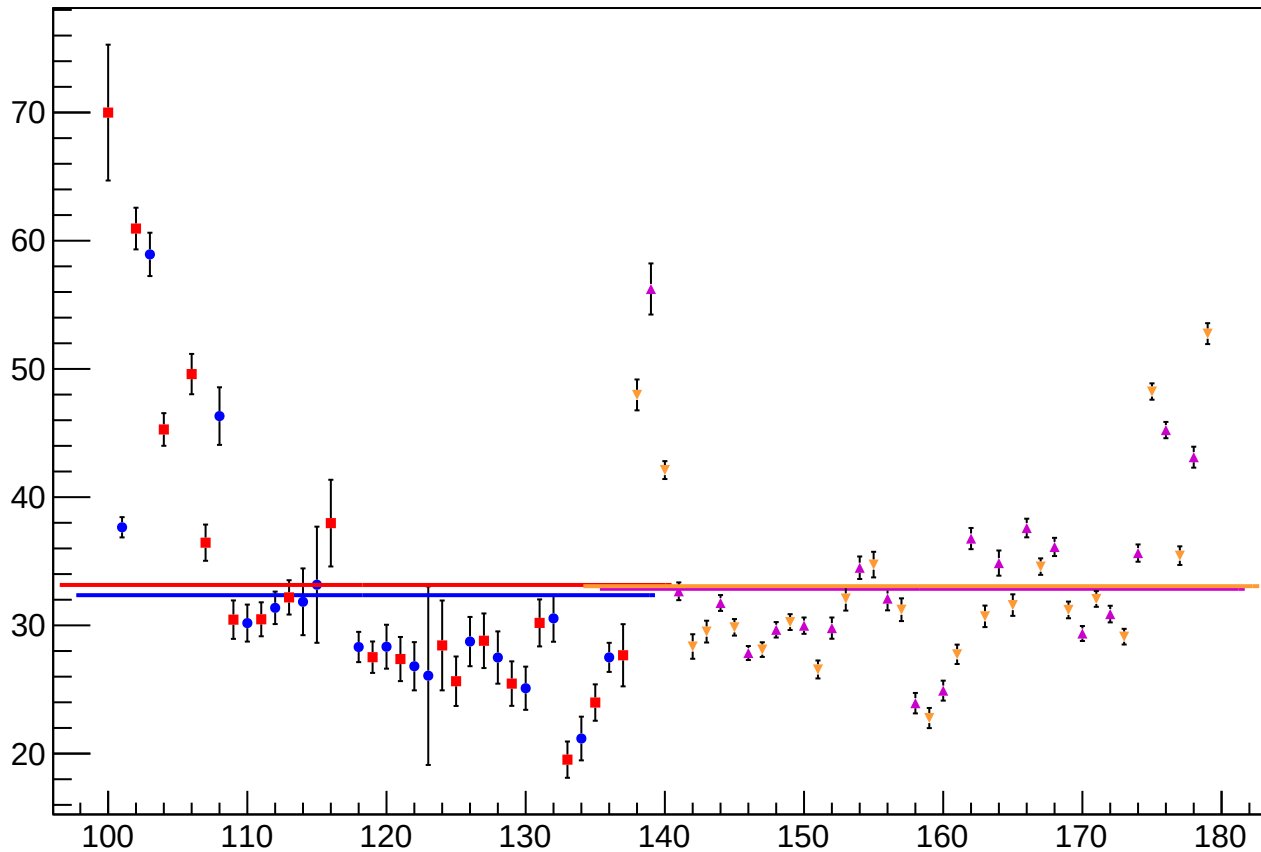
Left In: -35.914+/-0.210 χ^2/NDF : 4183.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -36.651+/-0.147 χ^2/NDF : 10100.7/41

- 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 χ^2/NDF : 450.5/16

Left Out: 33.056 ± 0.156 χ^2/NDF : 2028.7/21

Right Out: 33.152 ± 0.379 χ^2/NDF : 772.0/18

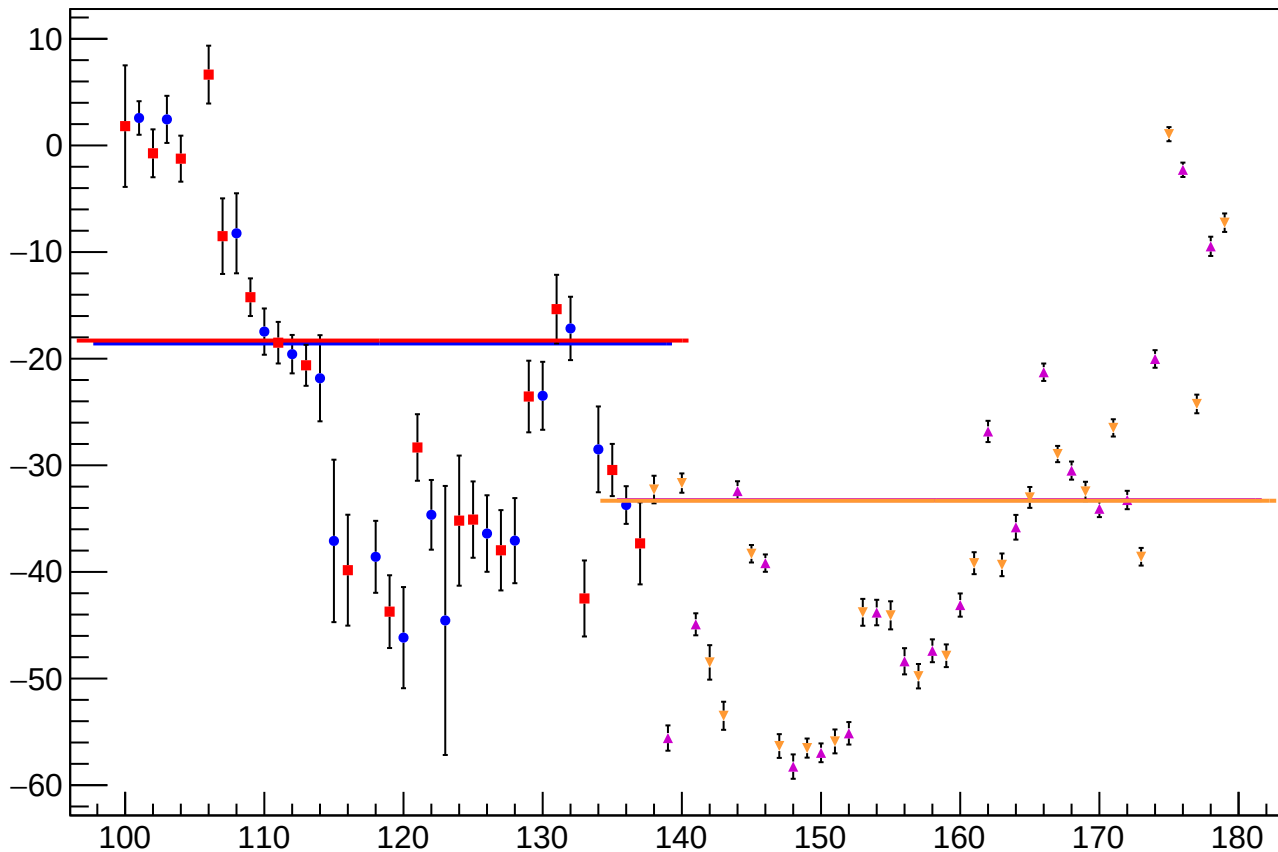
Left In: 32.853 ± 0.161 χ^2/NDF : 1210.2/19

+ sign 32.953 ± 0.144 χ^2/NDF : 2482.2/38

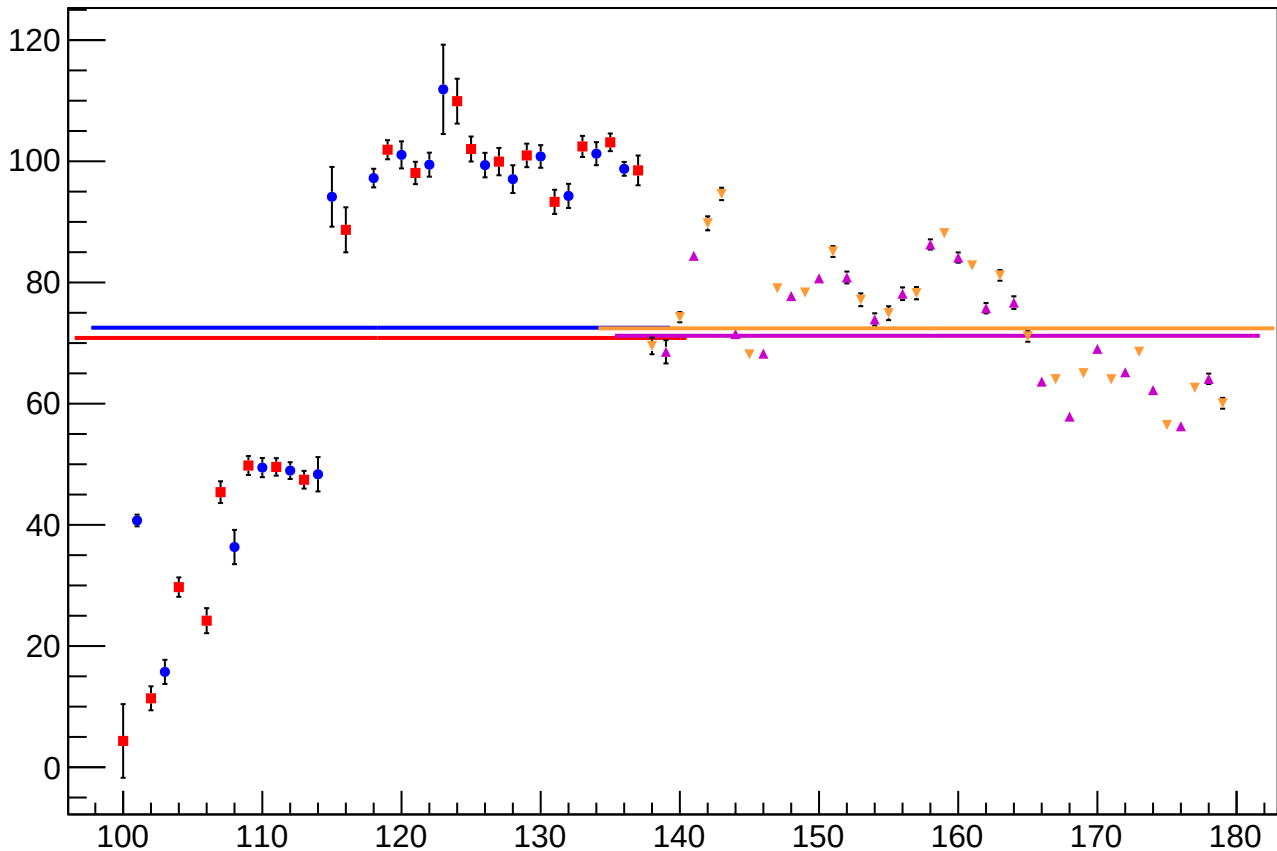
All: 32.927 ± 0.103 χ^2/NDF : 4464.9/77

- sign 32.899 ± 0.148 χ^2/NDF : 1982.7/38

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 72.436+/-0.177 χ^2/NDF : 3104.5/21

Right Out: 70.849+/-0.433 χ^2/NDF : 5500.2/18

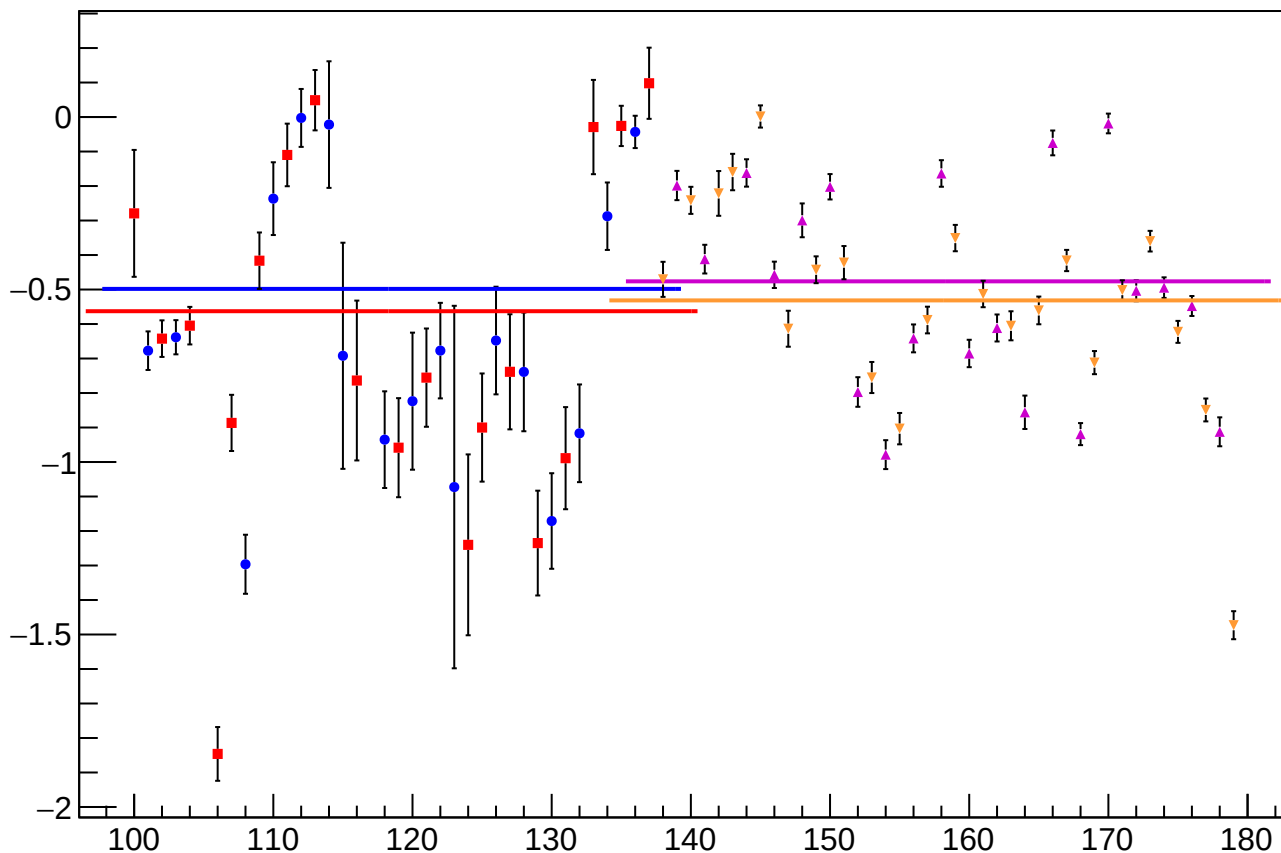
Left In: 71.204+/-0.182 χ^2/NDF : 2402.7/19

+ sign 72.451+/-0.164 χ^2/NDF : 7788.7/38

All: 71.817+/-0.117 χ^2/NDF : 15722.9/77

- sign 71.150+/-0.168 χ^2/NDF : 7903.5/38

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

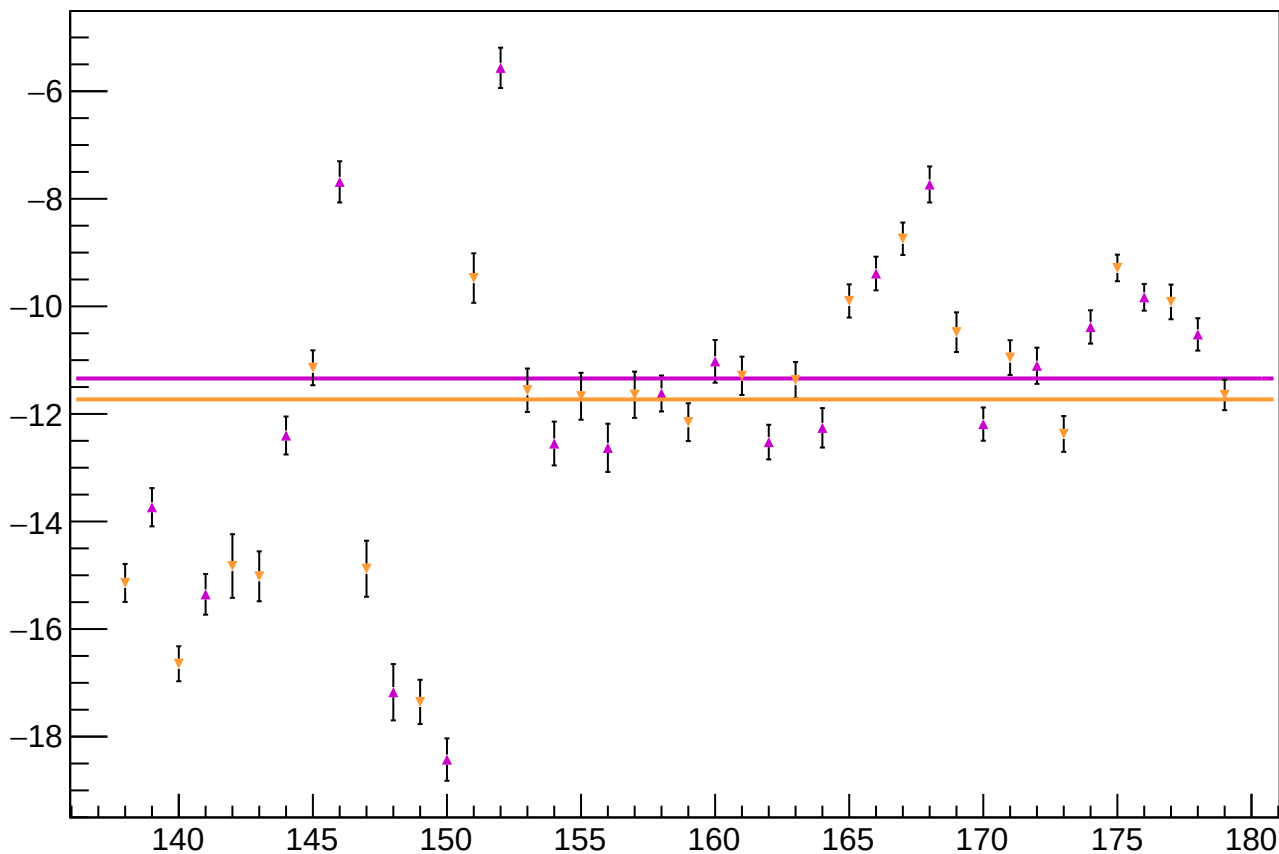
Left In: -0.476 $\pm$ 0.008 χ^2/NDF : 1248.4/19

+ sign -0.528 $\pm$ 0.008 χ^2/NDF : 1555.2/38

All: -0.508 $\pm$ 0.005 χ^2/NDF : 3392.2/77

- sign -0.488 $\pm$ 0.008 χ^2/NDF : 1823.4/38

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

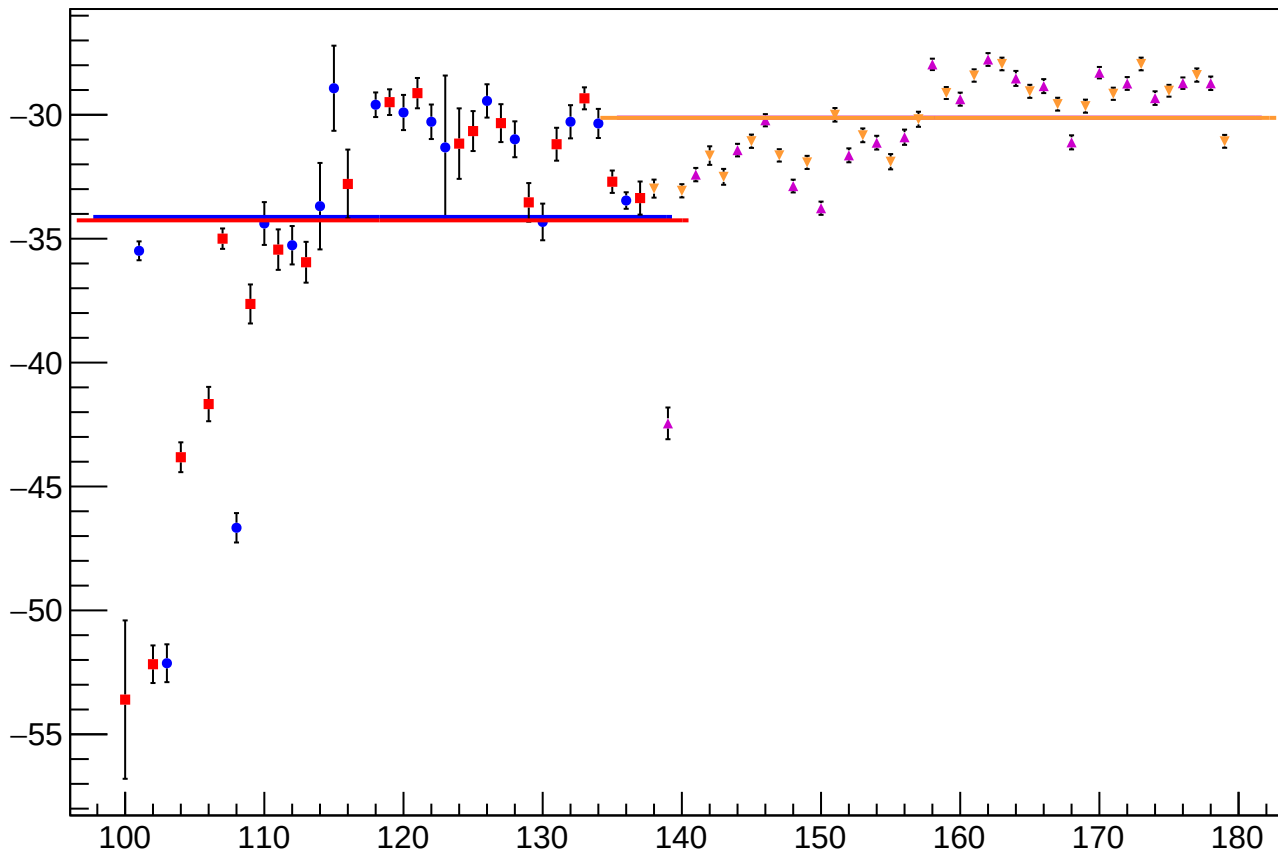
Left In: -11.341 ± 0.078 χ^2/NDF : 1196.5/19

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -11.541 ± 0.054 χ^2/NDF : 2146.8/41

- 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

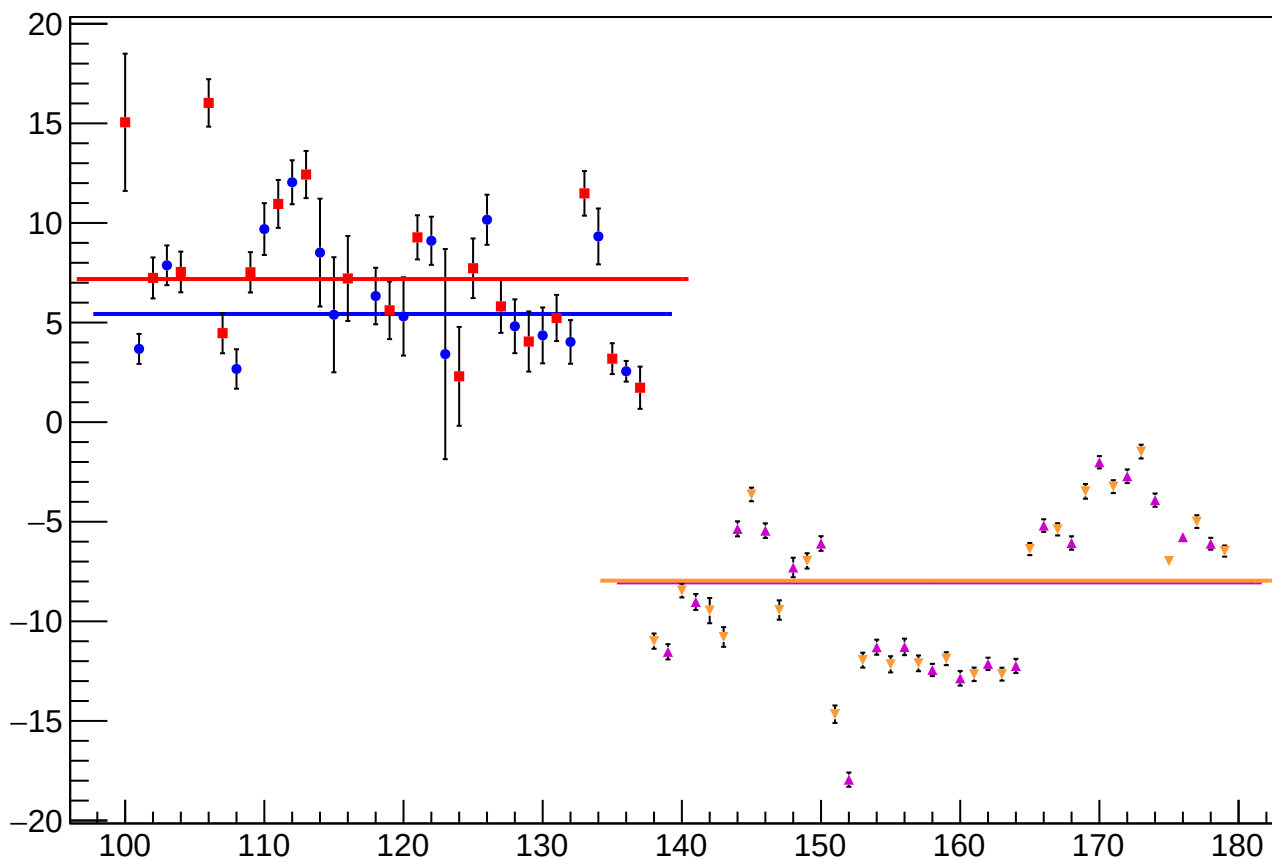
Left In: -30.115 ± 0.060 χ^2/NDF : 1218.8/19

+ sign -30.630 ± 0.054 χ^2/NDF : 2640.0/38

All: -30.656 ± 0.039 χ^2/NDF : 5865.5/77

- sign -30.685 ± 0.056 χ^2/NDF : 3225.1/38

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

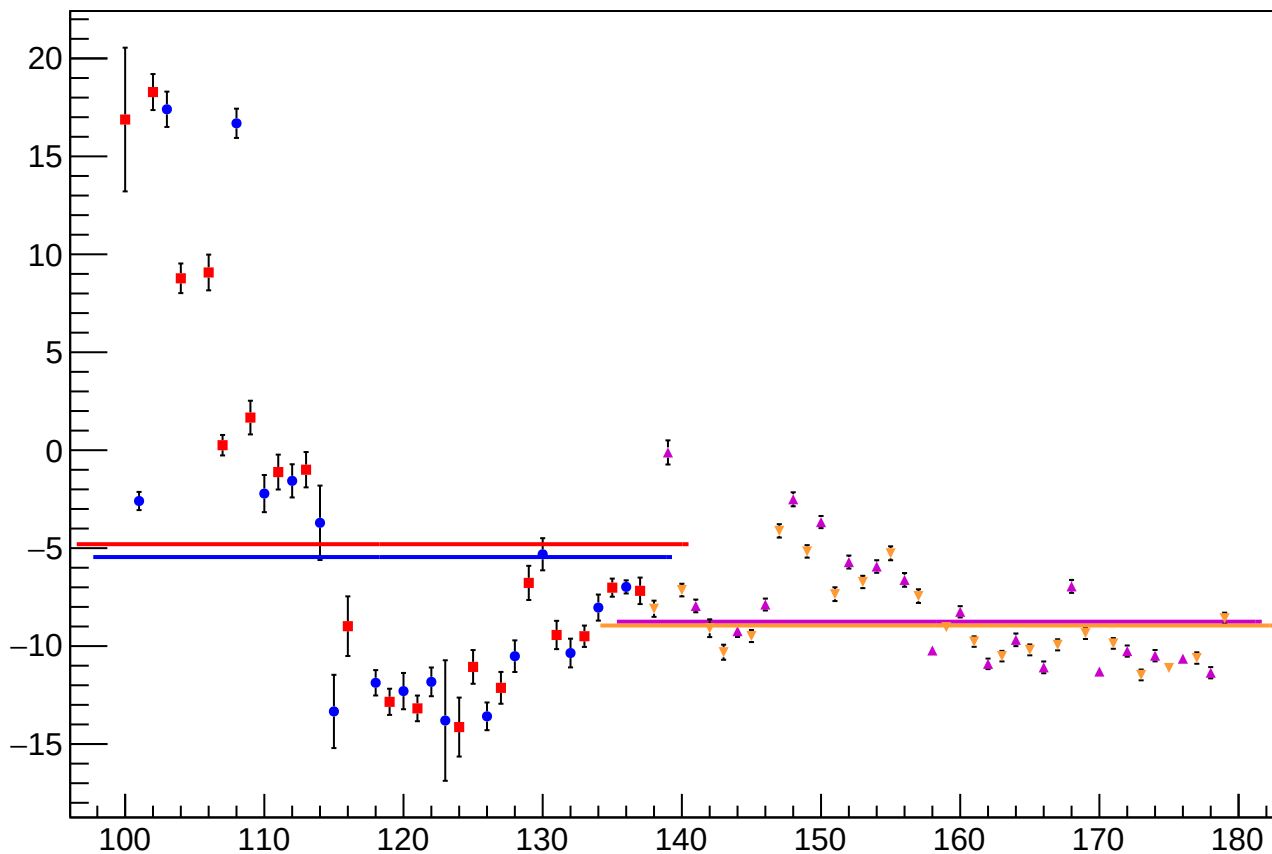
Left In: -8.045 ± 0.077 χ^2/NDF : 2811.5/19

+ sign -7.007 ± 0.072 χ^2/NDF : 4727.6/38

All: -6.974 ± 0.052 χ^2/NDF : 10577.4/77

- sign -6.939 ± 0.074 χ^2/NDF : 5849.4/38

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

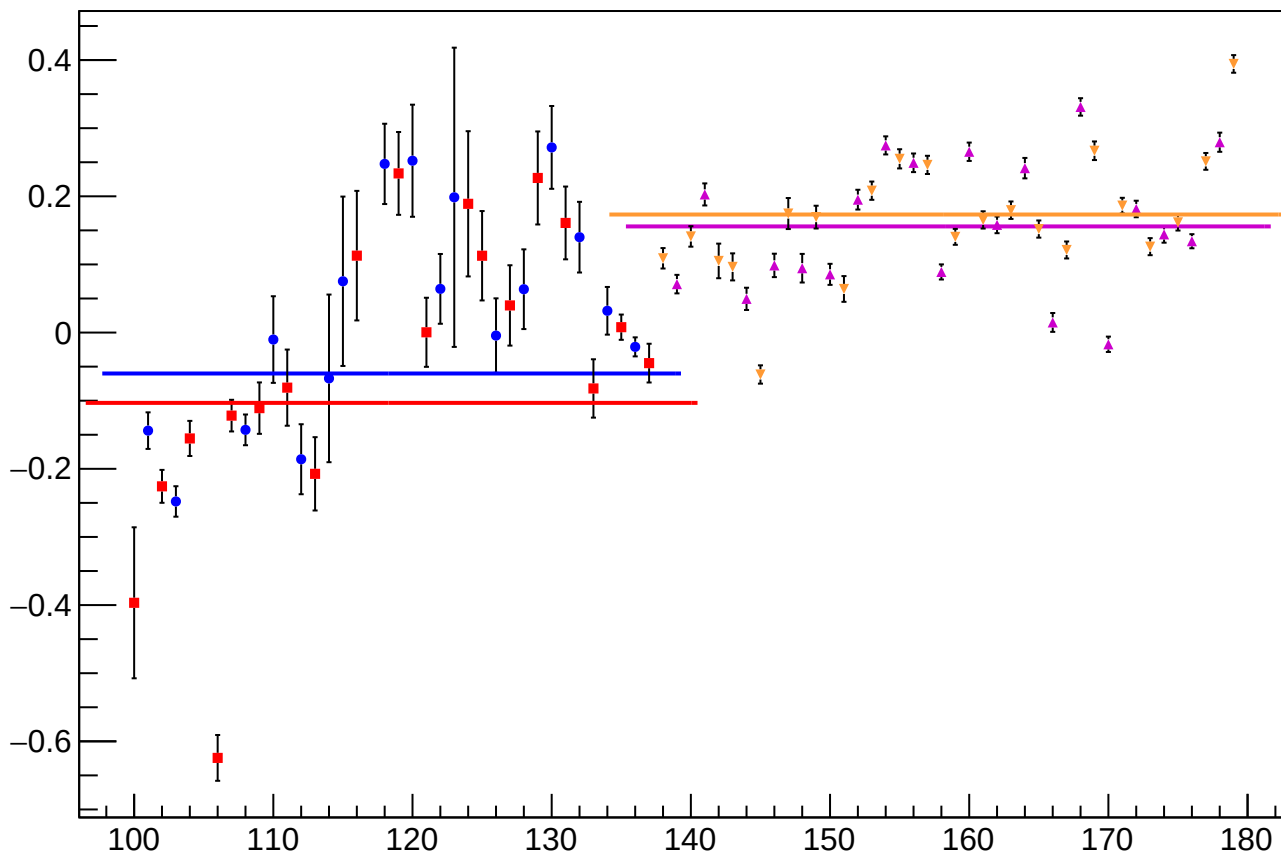
Left In: -8.754 ± 0.067 χ^2/NDF : 1494.6/19

+ sign -8.508 ± 0.061 χ^2/NDF : 3330.0/38

All: -8.375 ± 0.044 χ^2/NDF : 7336.3/77

- sign -8.233 ± 0.063 χ^2/NDF : 3996.4/38

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

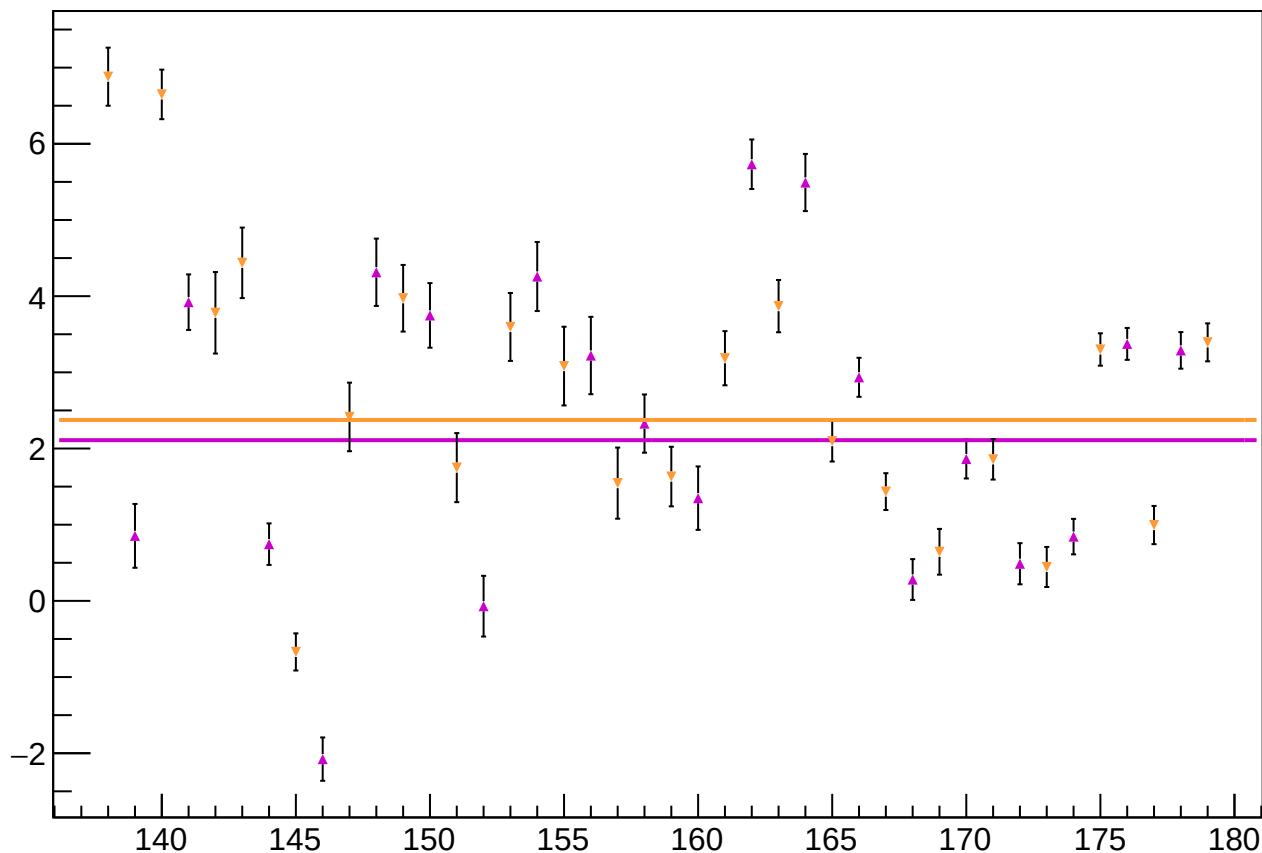
Left In: 0.156 ± 0.003 χ^2/NDF : 1012.6/19

+ sign 0.148 ± 0.003 χ^2/NDF : 1779.1/38

All: 0.137 ± 0.002 χ^2/NDF : 4089.7/77

- sign 0.127 ± 0.003 χ^2/NDF : 2282.9/38

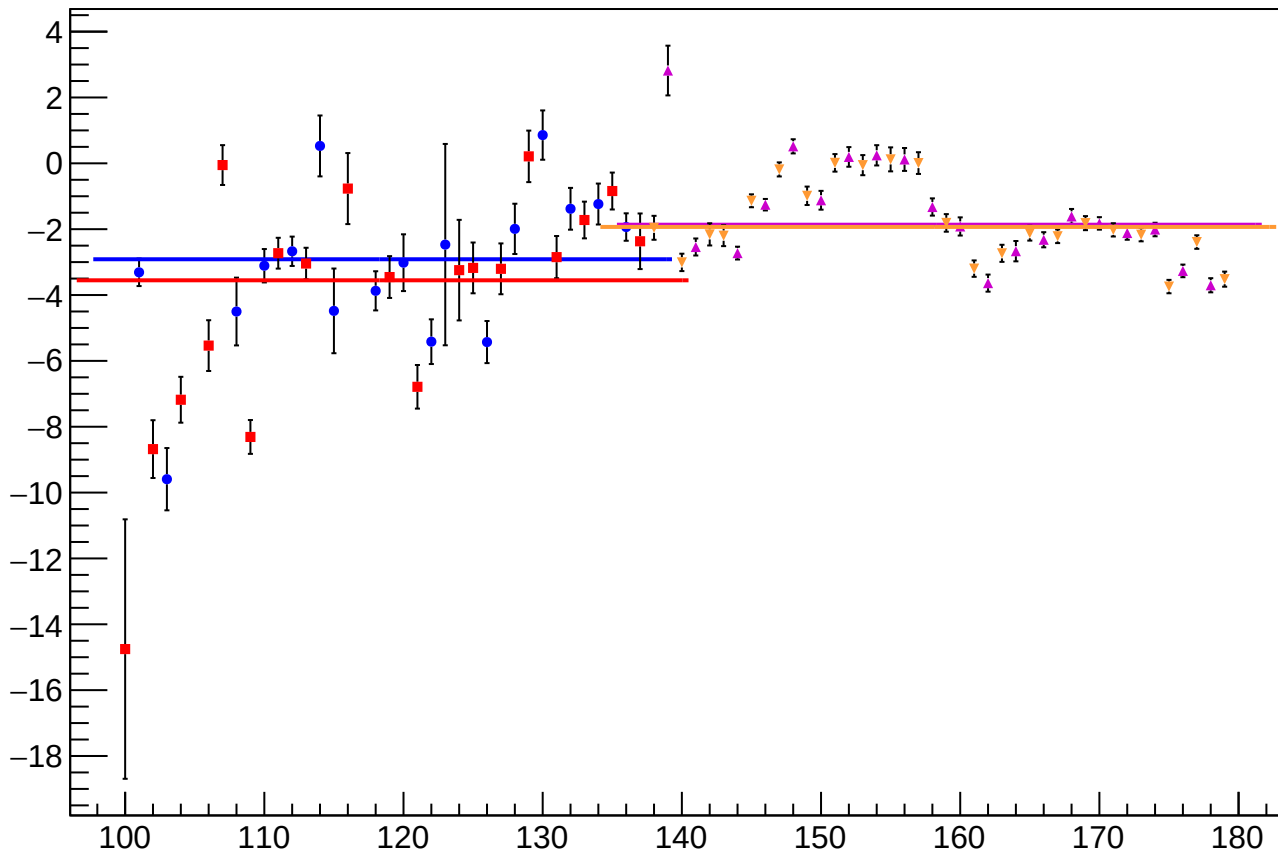
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



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: 2.110 $\pm$ 0.069 χ^2/NDF : 765.2/19

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 All: 2.245 $\pm$ 0.048 χ^2/NDF : 1496.4/41
 - 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

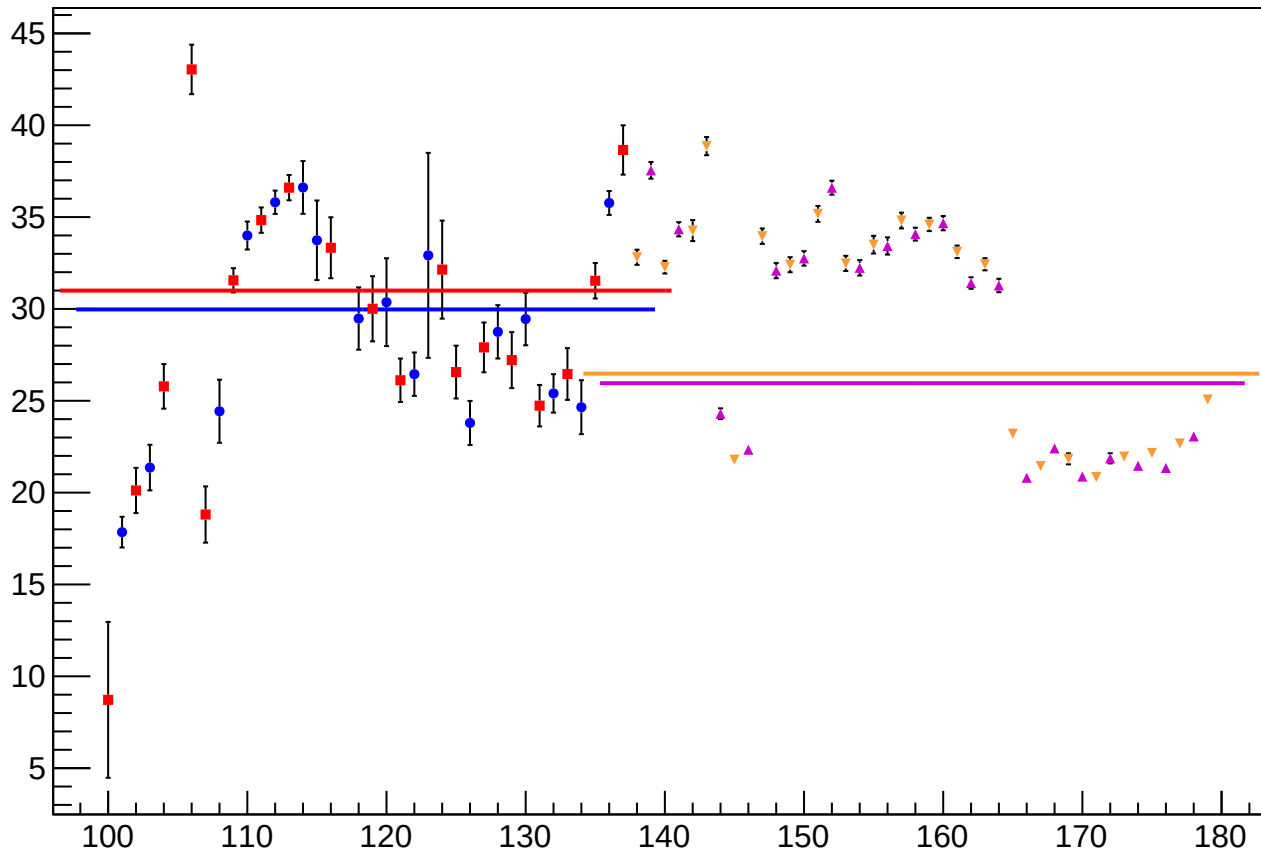
Left In: -1.864 ± 0.053 χ^2/NDF : 524.5/19

+ sign -2.031 ± 0.049 χ^2/NDF : 624.1/38

All: -2.037 ± 0.035 χ^2/NDF : 1546.3/77

- sign -2.042 ± 0.050 χ^2/NDF : 922.1/38

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 26.476 $\pm$ 0.068 χ^2 /NDF: 6782.6/21

Right Out: 30.999 $\pm$ 0.260 χ^2 /NDF: 479.5/18

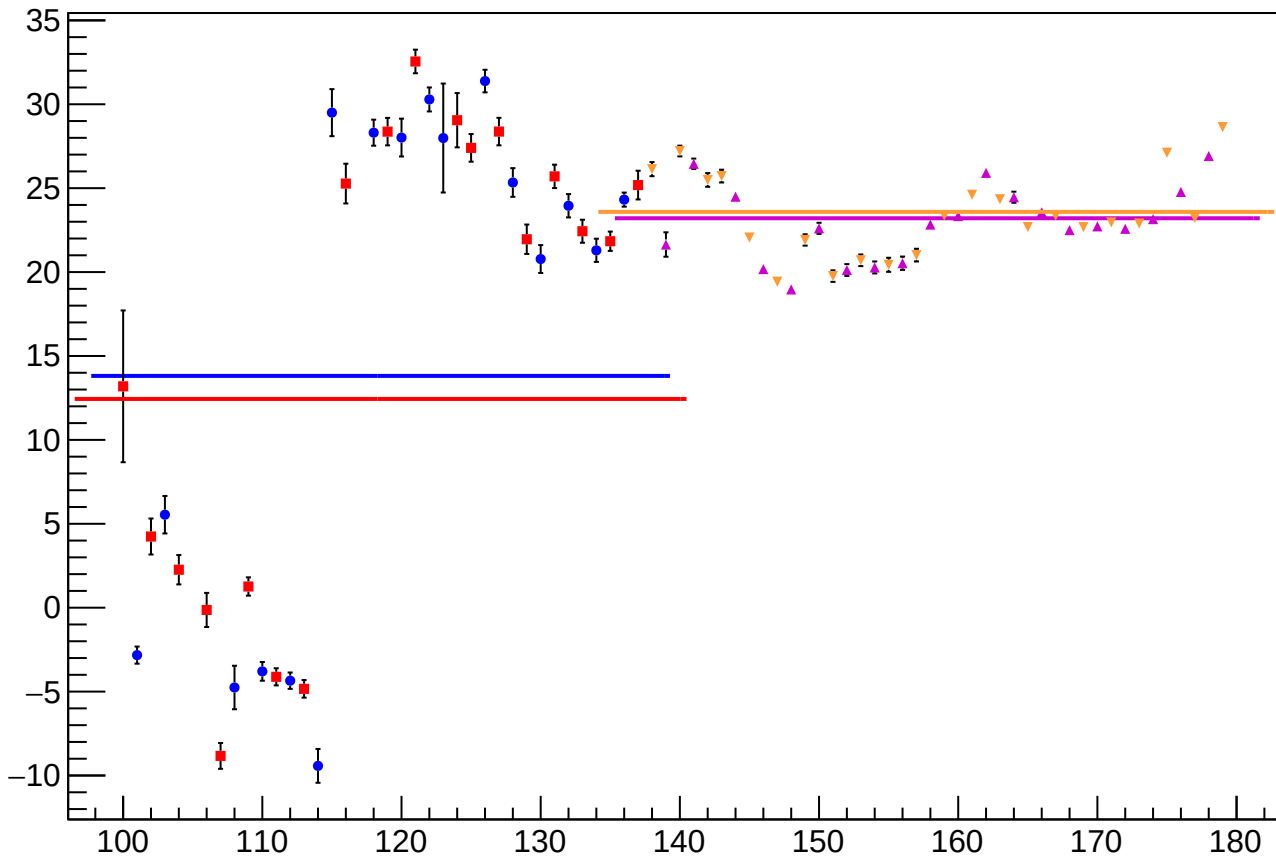
Left In: 25.956 $\pm$ 0.069 χ^2 /NDF: 6779.0/19

+ sign 26.687 $\pm$ 0.066 χ^2 /NDF: 7497.7/38

All: 26.489 $\pm$ 0.047 χ^2 /NDF: 15126.1/77

- sign 26.286 $\pm$ 0.066 χ^2 /NDF: 7609.9/38

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

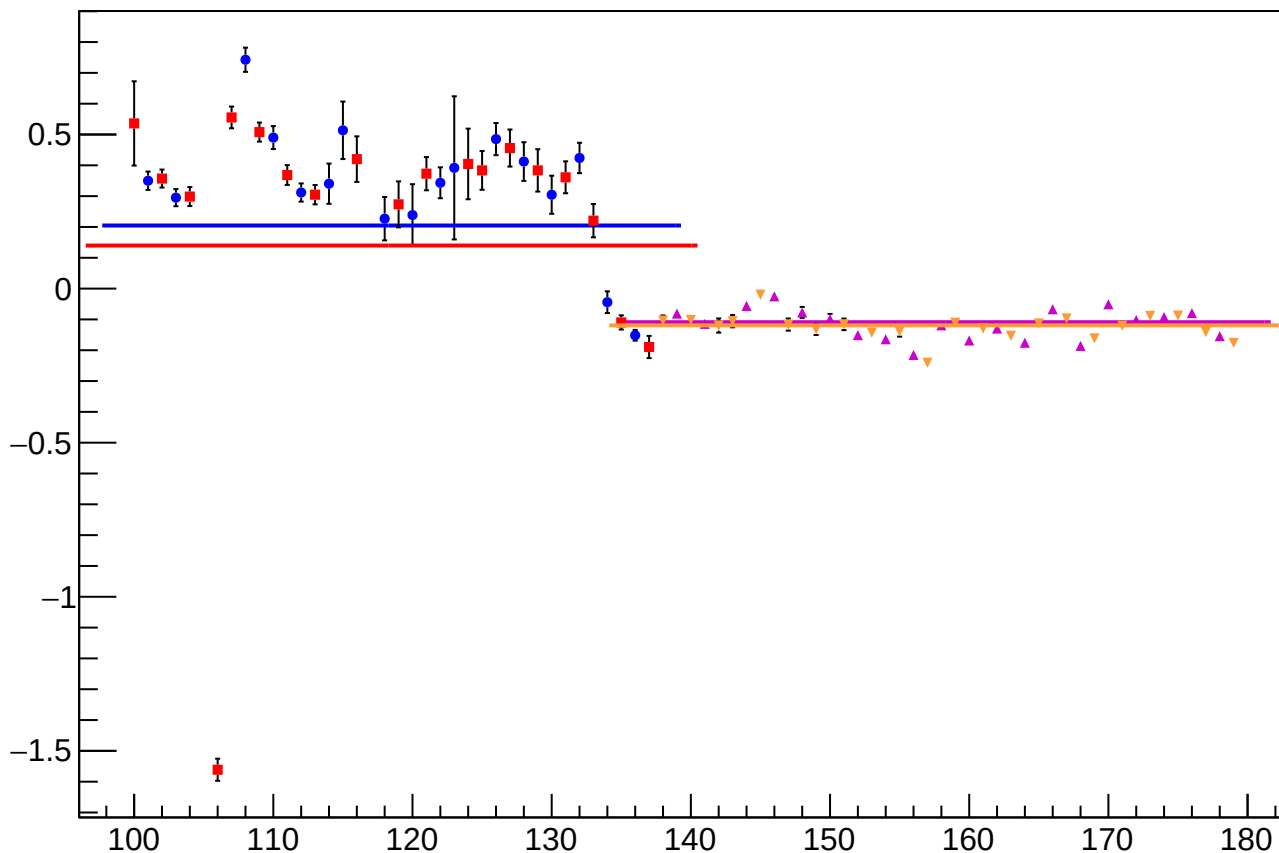
Left In: 23.207 $\pm$ 0.060 χ^2 /NDF:1190.6/19

+ sign 22.577 $\pm$ 0.056 χ^2 /NDF: 11724.3/38

All: 22.326 $\pm$ 0.040 χ^2 /NDF: 23360.2/77

- sign 22.065 $\pm$ 0.057 χ^2 /NDF: 11594.3/38

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

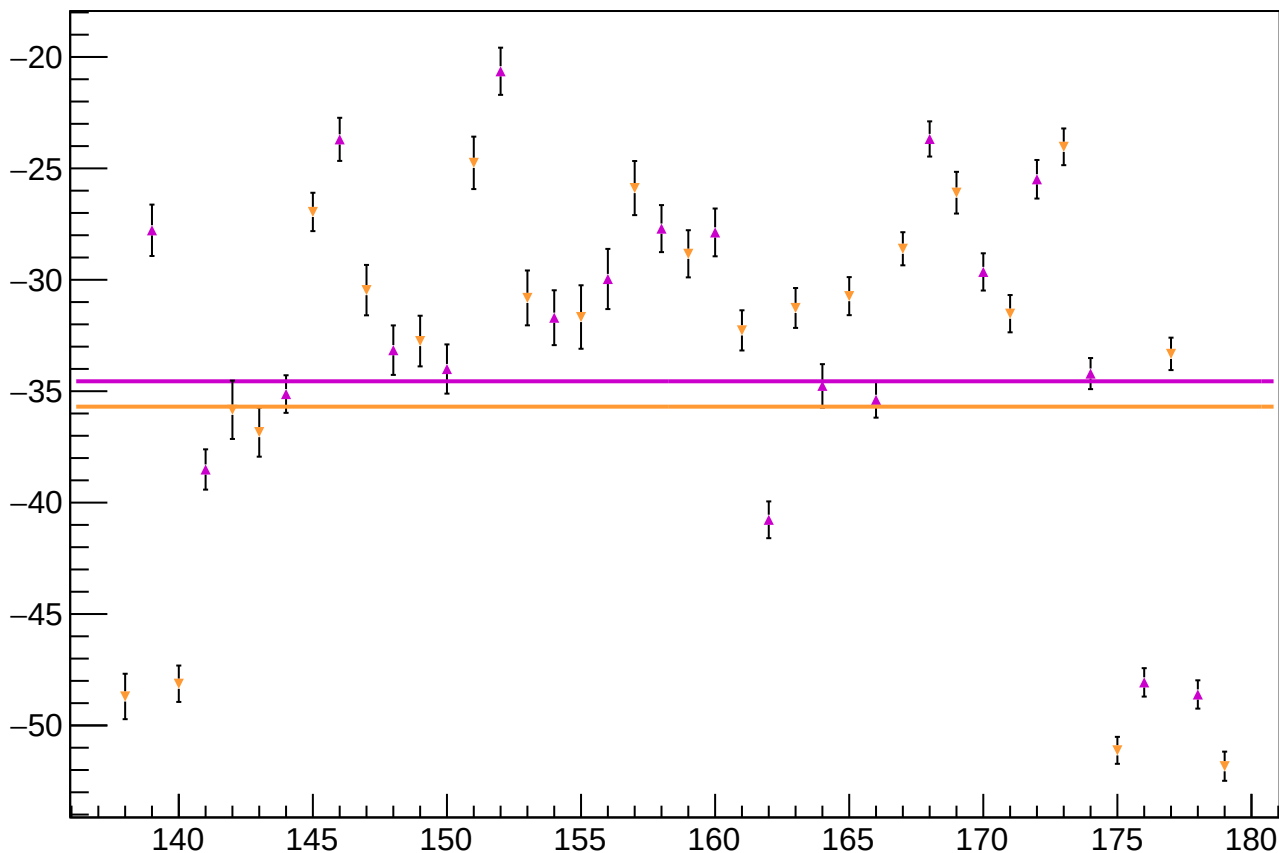
Left In: -0.109 ± 0.003 χ^2/NDF : 317.0/19

+ sign -0.095 ± 0.003 χ^2/NDF : 2199.4/38

All: -0.092 ± 0.002 χ^2/NDF : 6203.6/77

- sign -0.089 ± 0.003 χ^2/NDF : 4001.9/38

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

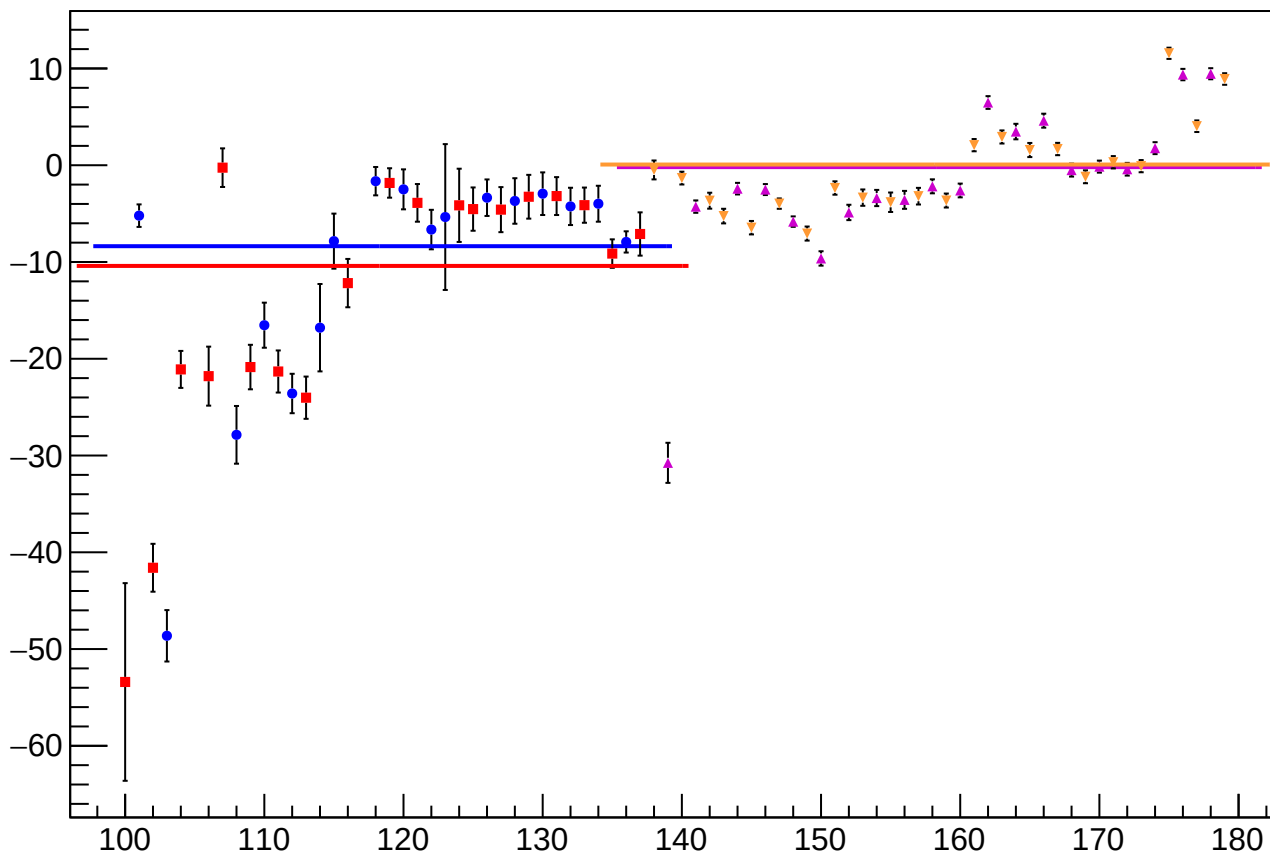
Left In: -34.555+/-0.198 χ^2/NDF : 1782.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -35.140+/-0.138 χ^2/NDF : 4306.3/41

- 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

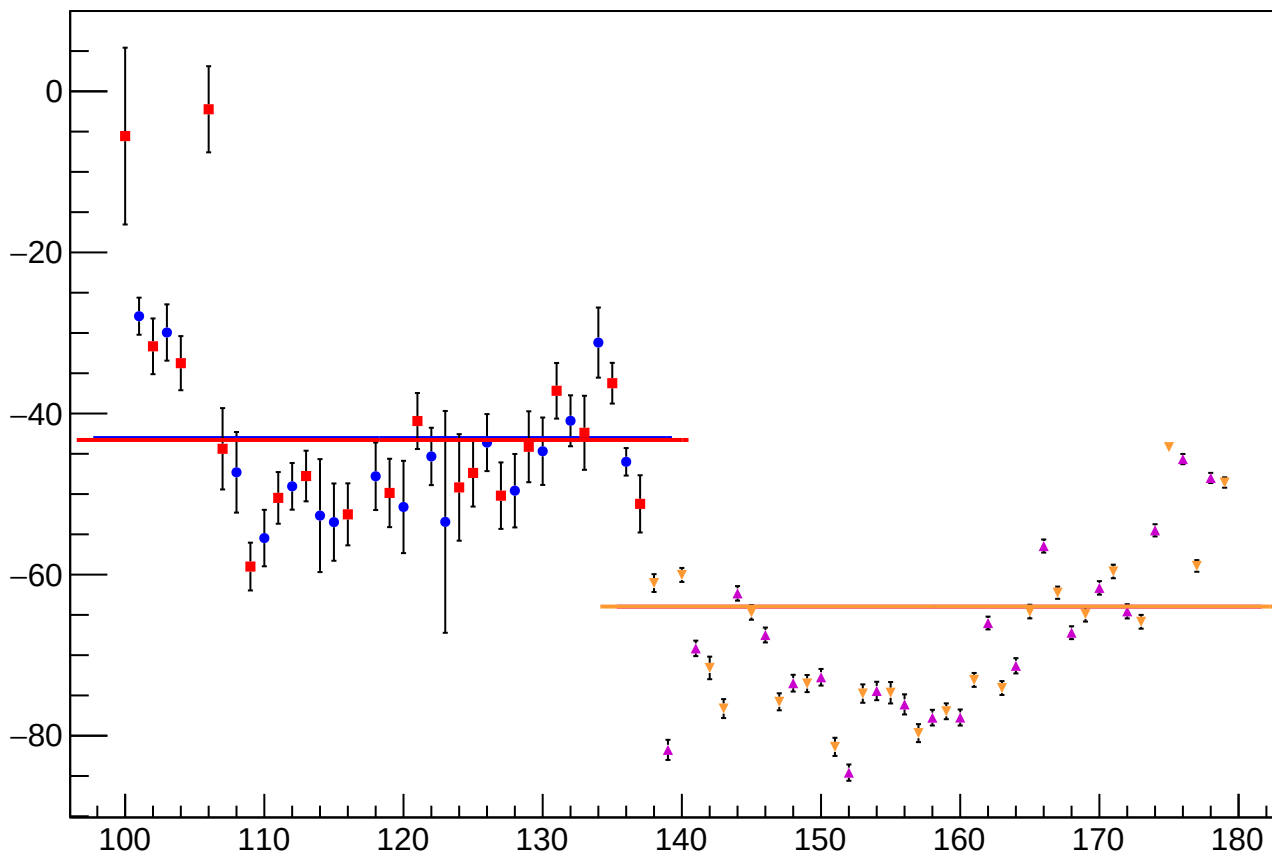
Left In: -0.195 ± 0.152 χ^2/NDF : 1365.9/19

+ sign -0.688 ± 0.140 χ^2/NDF : 1803.3/38

All: -0.880 ± 0.101 χ^2/NDF : 3998.0/77

- sign -1.087 ± 0.145 χ^2/NDF : 2190.8/38

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 $\chi^2/\text{NDF}: 154.4/18$

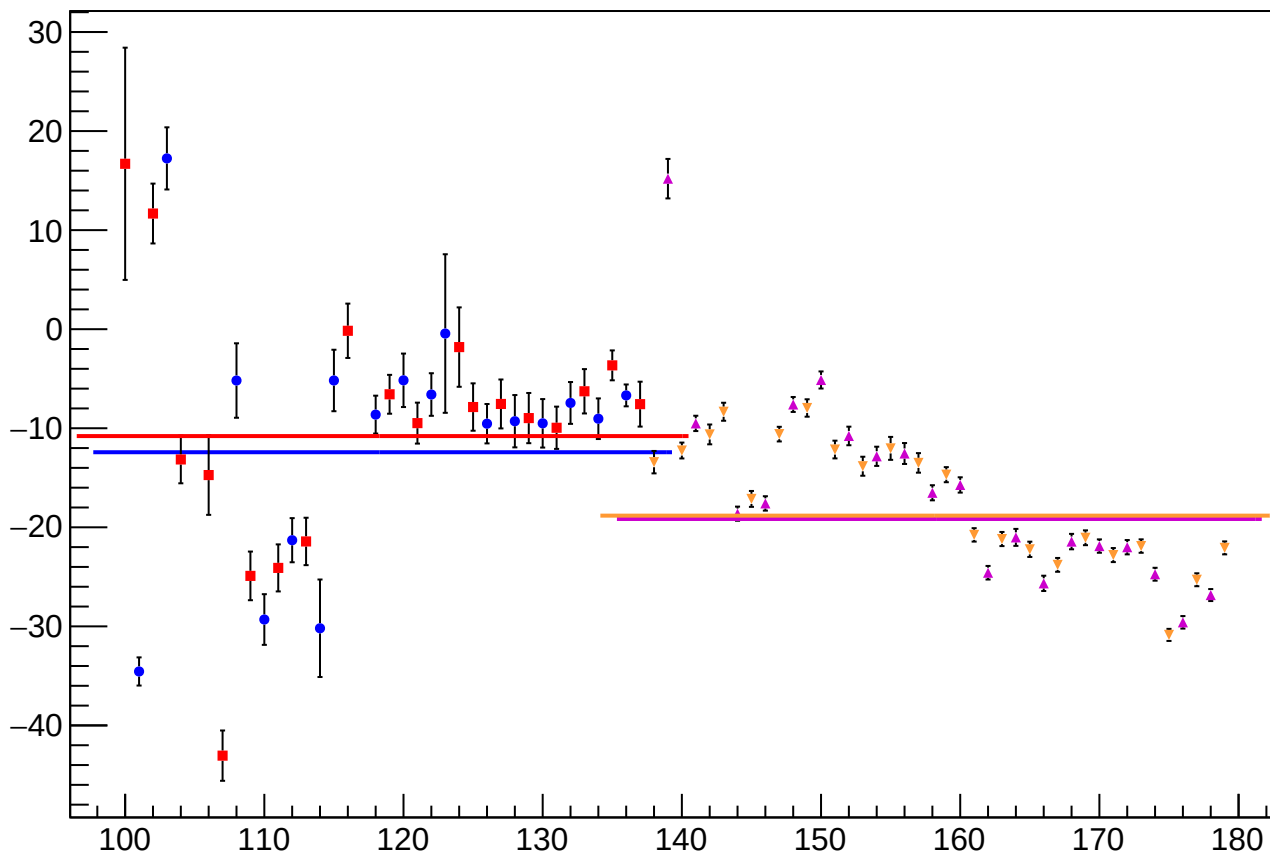
Left In: -63.981 ± 0.197 $\chi^2/\text{NDF}: 3203.2/19$

+ sign -62.916 ± 0.187 $\chi^2/\text{NDF}: 3812.7/38$

All: -62.938 ± 0.134 $\chi^2/\text{NDF}: 7712.0/77$

- sign -62.961 ± 0.193 $\chi^2/\text{NDF}: 3899.2/38$

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

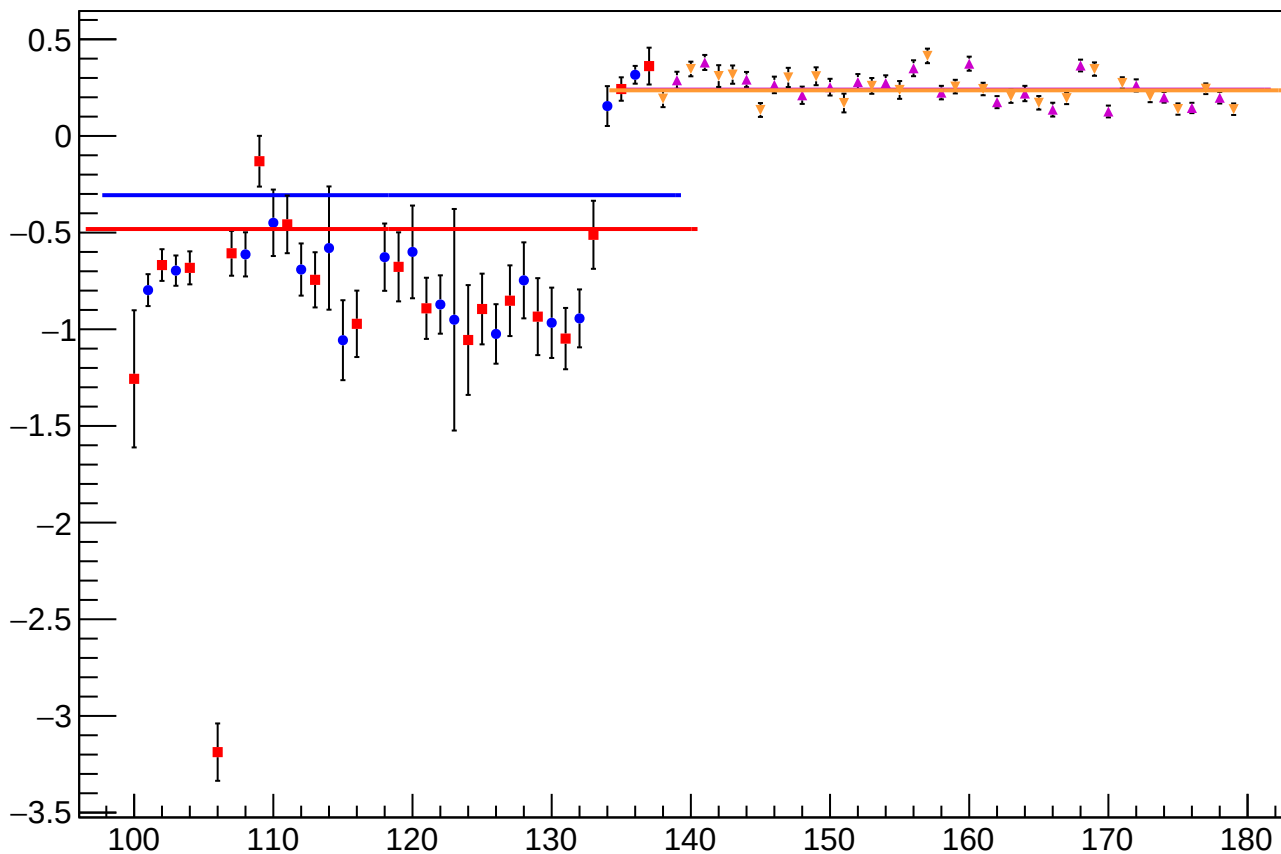
Left In: -19.160 ± 0.172 χ^2/NDF : 1835.2/19

+ sign -18.235 ± 0.158 χ^2/NDF : 2020.3/38

All: -18.327 ± 0.114 χ^2/NDF : 4430.3/77

- sign -18.425 ± 0.164 χ^2/NDF : 2409.3/38

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

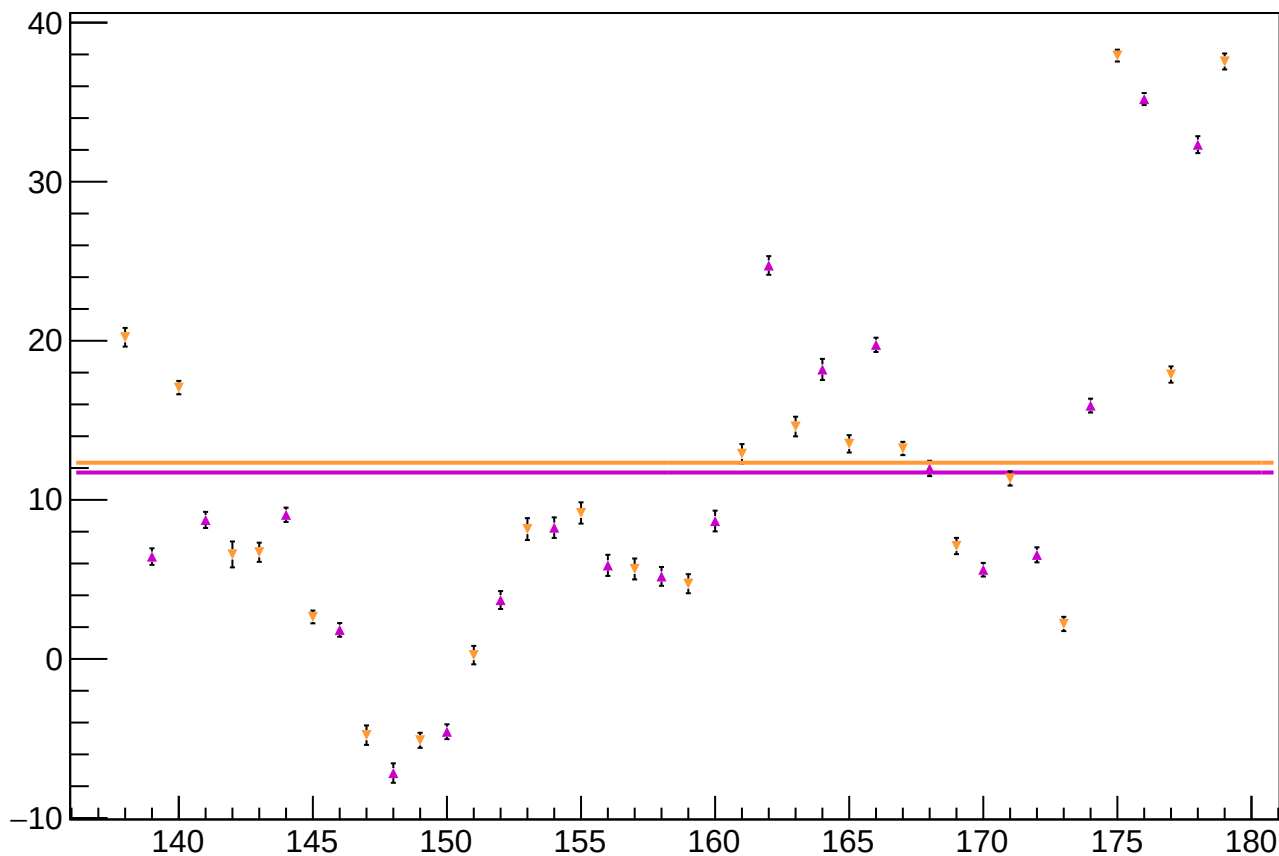
Left In: 0.240 ± 0.008 χ^2/NDF : 100.0/19

+ sign 0.197 ± 0.007 χ^2/NDF : 822.3/38

All: 0.193 ± 0.005 χ^2/NDF : 2142.2/77

- sign 0.189 ± 0.008 χ^2/NDF : 1319.3/38

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

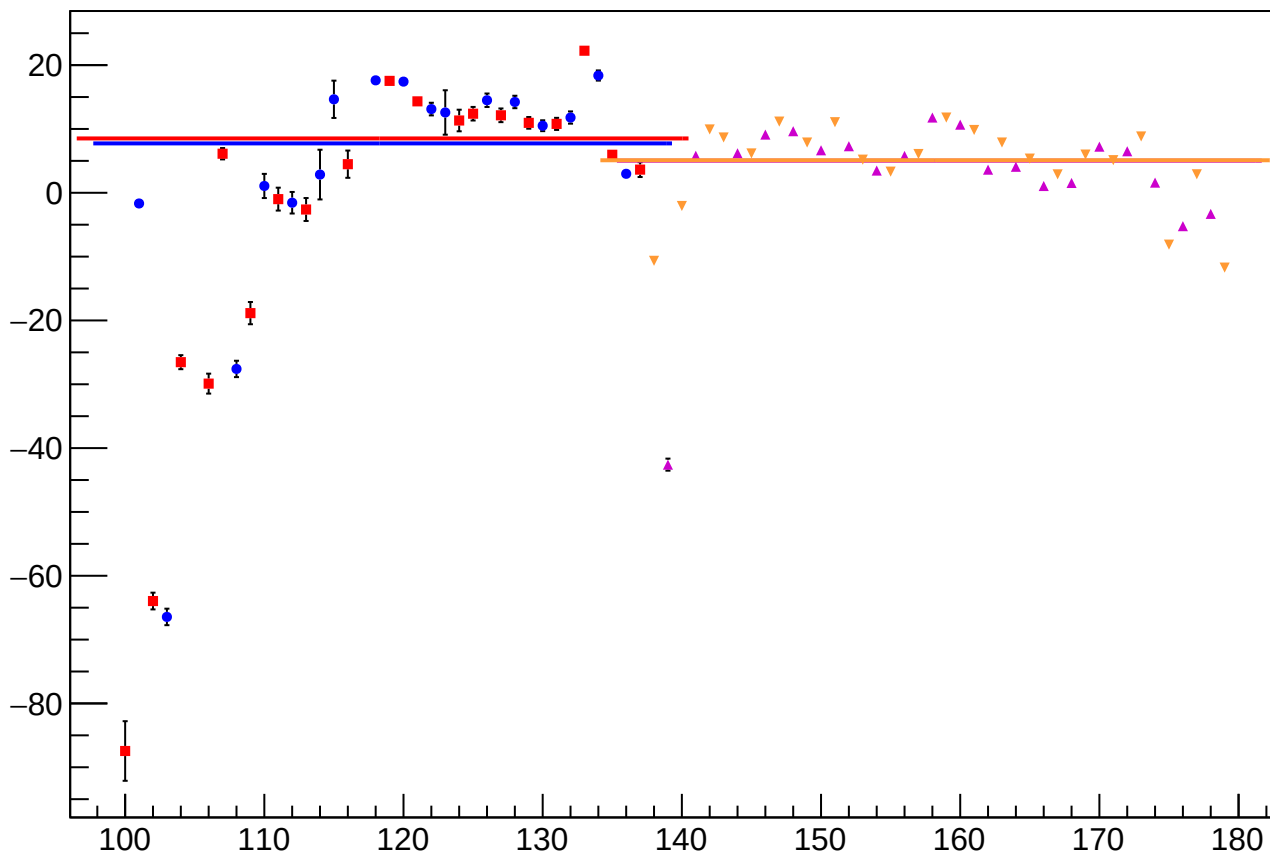
Left In: 11.719 +/- 0.113 χ^2/NDF : 9989.2/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: 12.033 +/- 0.079 χ^2/NDF : 21925.4/41

- 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 $\pm$ 0.218 χ^2 /NDF: 5300.6/16

Left Out: 5.095 $\pm$ 0.083 χ^2 /NDF: 5398.6/21

Right Out: 8.514 $\pm$ 0.213 χ^2 /NDF: 6719.4/18

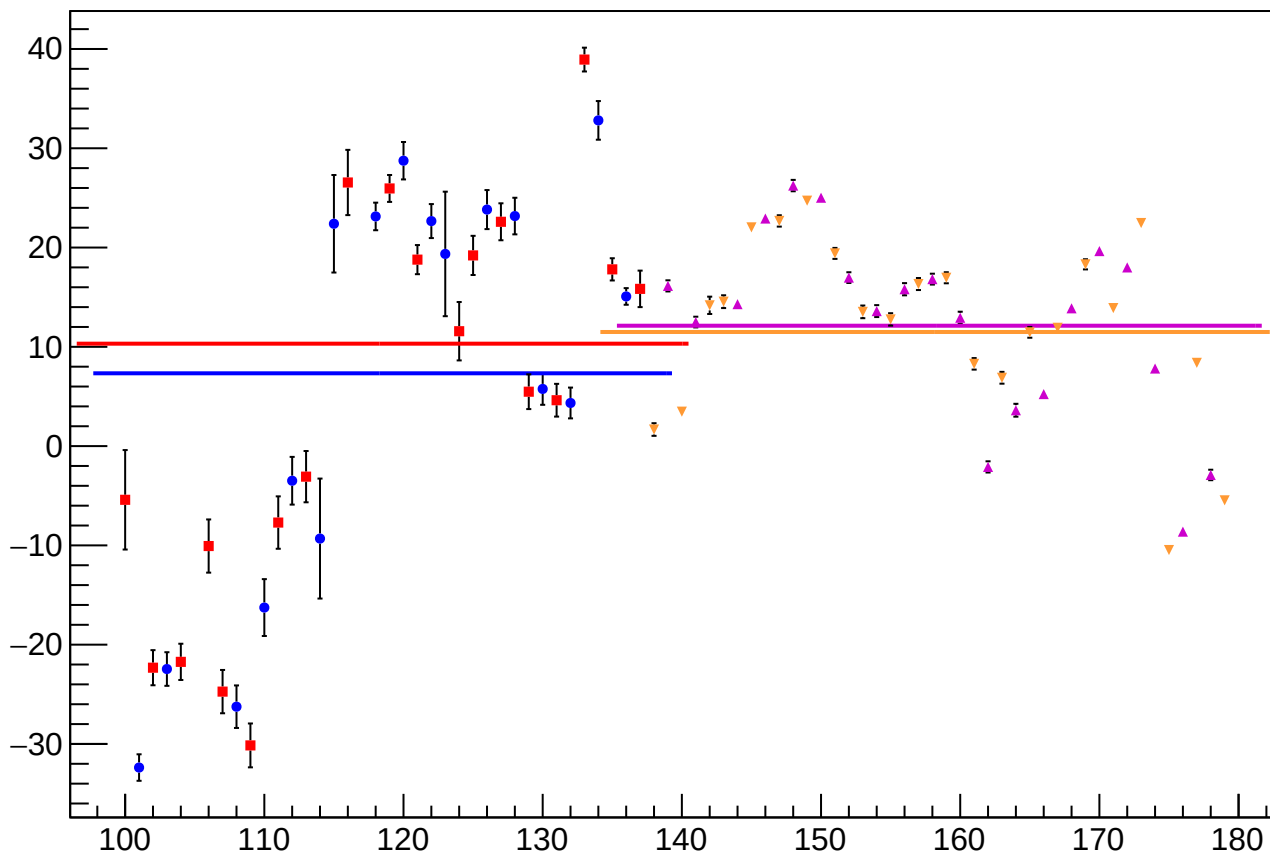
Left In: 5.026 $\pm$ 0.086 χ^2 /NDF: 4991.4/19

+ sign 5.431 $\pm$ 0.078 χ^2 /NDF: 10827.3/38

All: 5.471 $\pm$ 0.056 χ^2 /NDF: 22768.8/77

- sign 5.513 $\pm$ 0.080 χ^2 /NDF: 11940.9/38

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333 $\pm$ 0.419 χ^2 /NDF: 2293.1/16

Left Out: 11.495 $\pm$ 0.110 χ^2 /NDF: 8397.6/21

Right Out: 10.317 $\pm$ 0.417 χ^2 /NDF: 2281.5/18

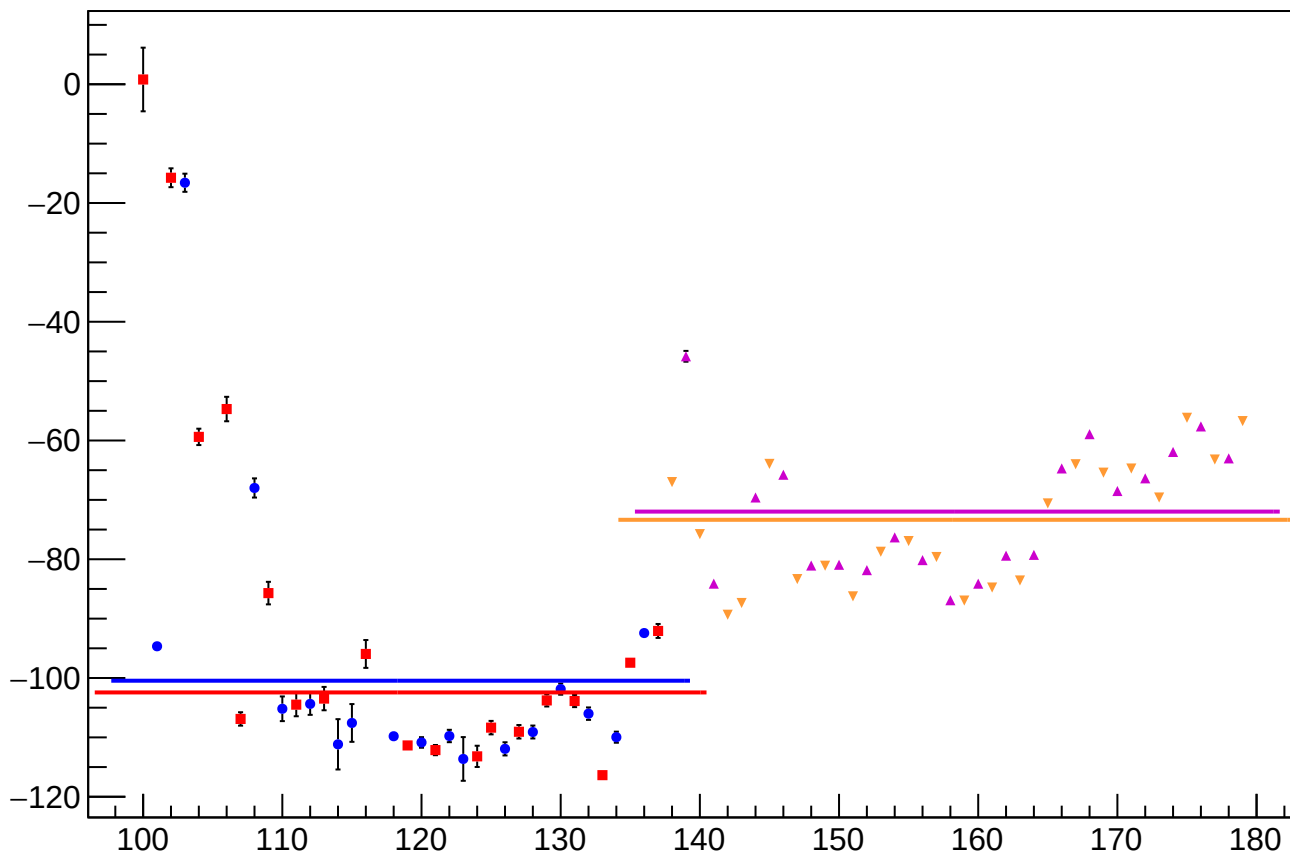
Left In: 12.127 $\pm$ 0.112 χ^2 /NDF: 7882.0/19

+ sign 11.225 $\pm$ 0.107 χ^2 /NDF: 10783.1/38

All: 11.608 $\pm$ 0.076 χ^2 /NDF: 20990.5/77

- sign 12.004 $\pm$ 0.108 χ^2 /NDF: 10181.1/38

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457 ± 0.251 $\chi^2/\text{NDF}: 4461.1/16$

Left Out: -73.356 ± 0.095 $\chi^2/\text{NDF}: 11644.5/21$

Right Out: -102.431 ± 0.246 $\chi^2/\text{NDF}: 6094.3/18$

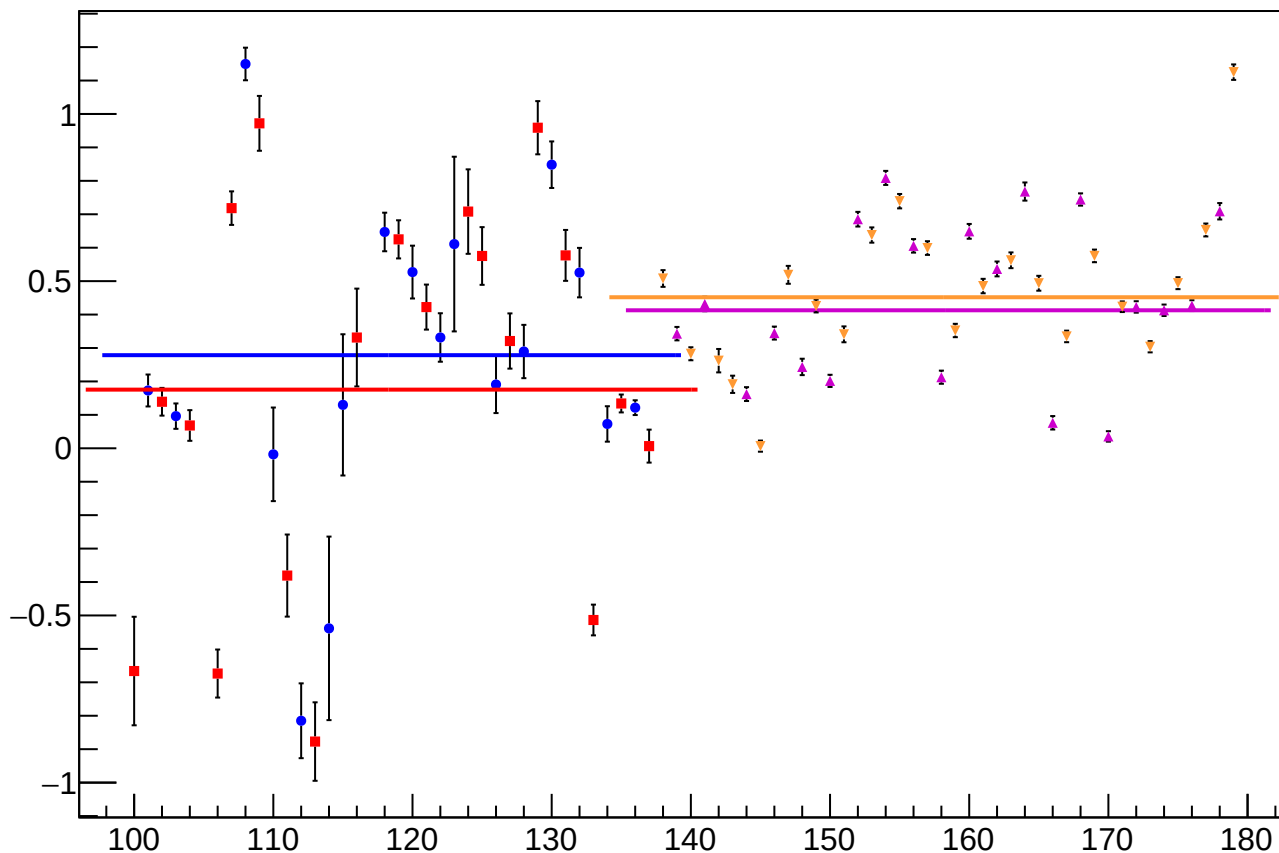
Left In: -71.973 ± 0.098 $\chi^2/\text{NDF}: 9682.3/19$

+ sign -76.754 ± 0.089 $\chi^2/\text{NDF}: 26323.1/38$

All: -76.442 ± 0.063 $\chi^2/\text{NDF}: 55341.0/77$

- sign -76.117 ± 0.091 $\chi^2/\text{NDF}: 28992.8/38$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 $\pm$ 0.014 χ^2 /NDF: 653.9/16

Left Out: 0.452 $\pm$ 0.004 χ^2 /NDF:2432.9/21

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

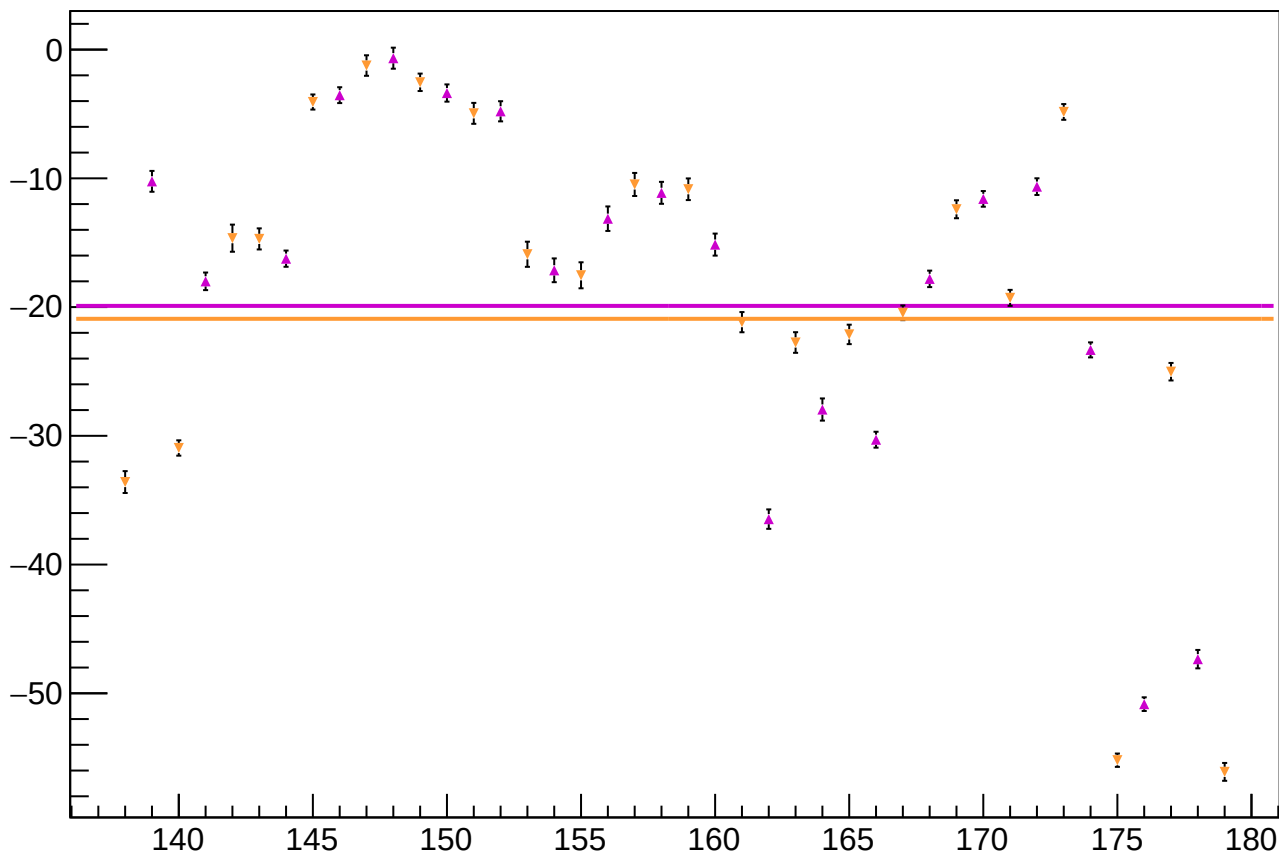
Left In: 0.413 $\pm$ 0.004 χ^2 /NDF:2705.5/19

+ sign 0.435 $\pm$ 0.004 χ^2 /NDF: 3235.6/38

All: 0.413 $\pm$ 0.003 χ^2 /NDF: 7248.2/77

- sign 0.390 $\pm$ 0.004 χ^2 /NDF: 3952.9/38

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

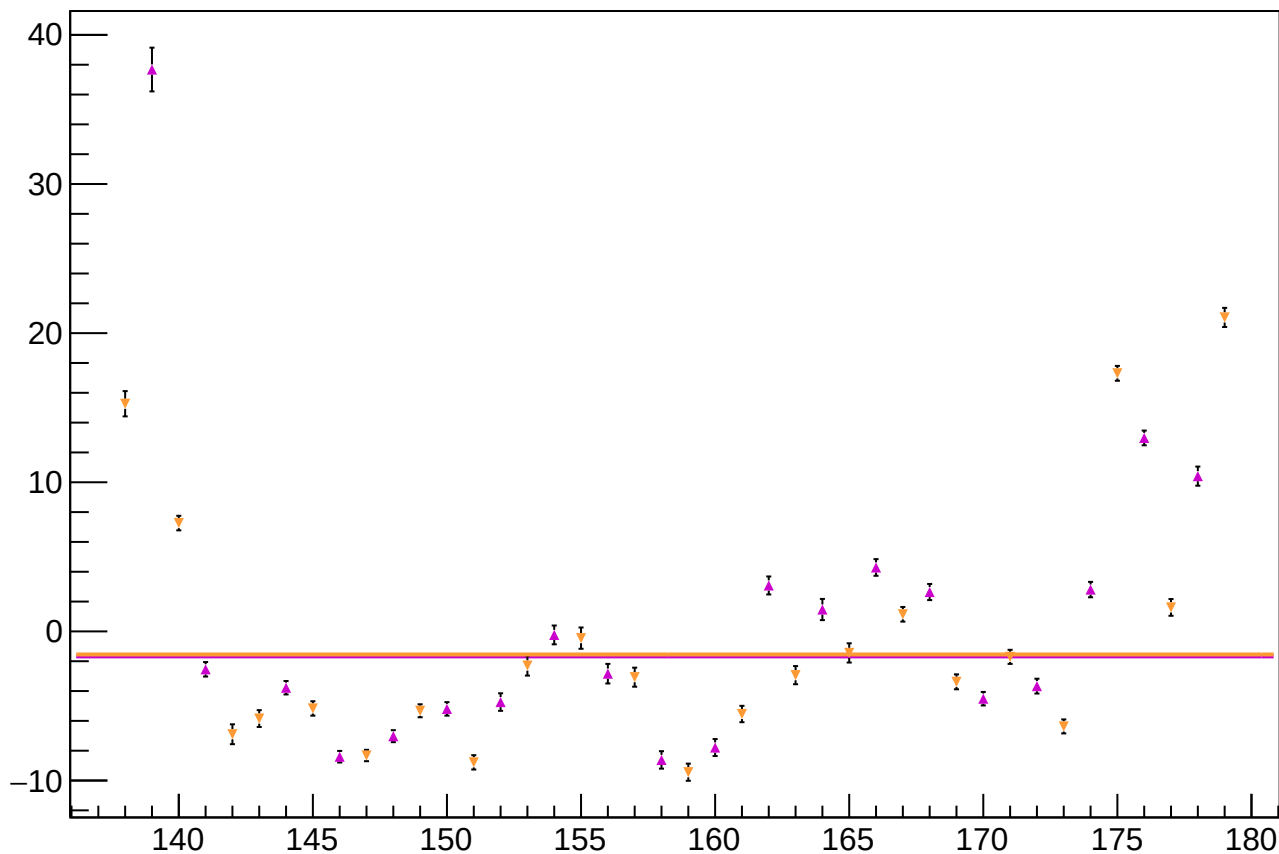
Left In: -19.907+/-0.156 χ^2/NDF :8778.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.420+/-0.109 χ^2/NDF : 20114.6/41

- 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -1.547 $\pm$ 0.114 χ^2 /NDF:4623.7/21

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

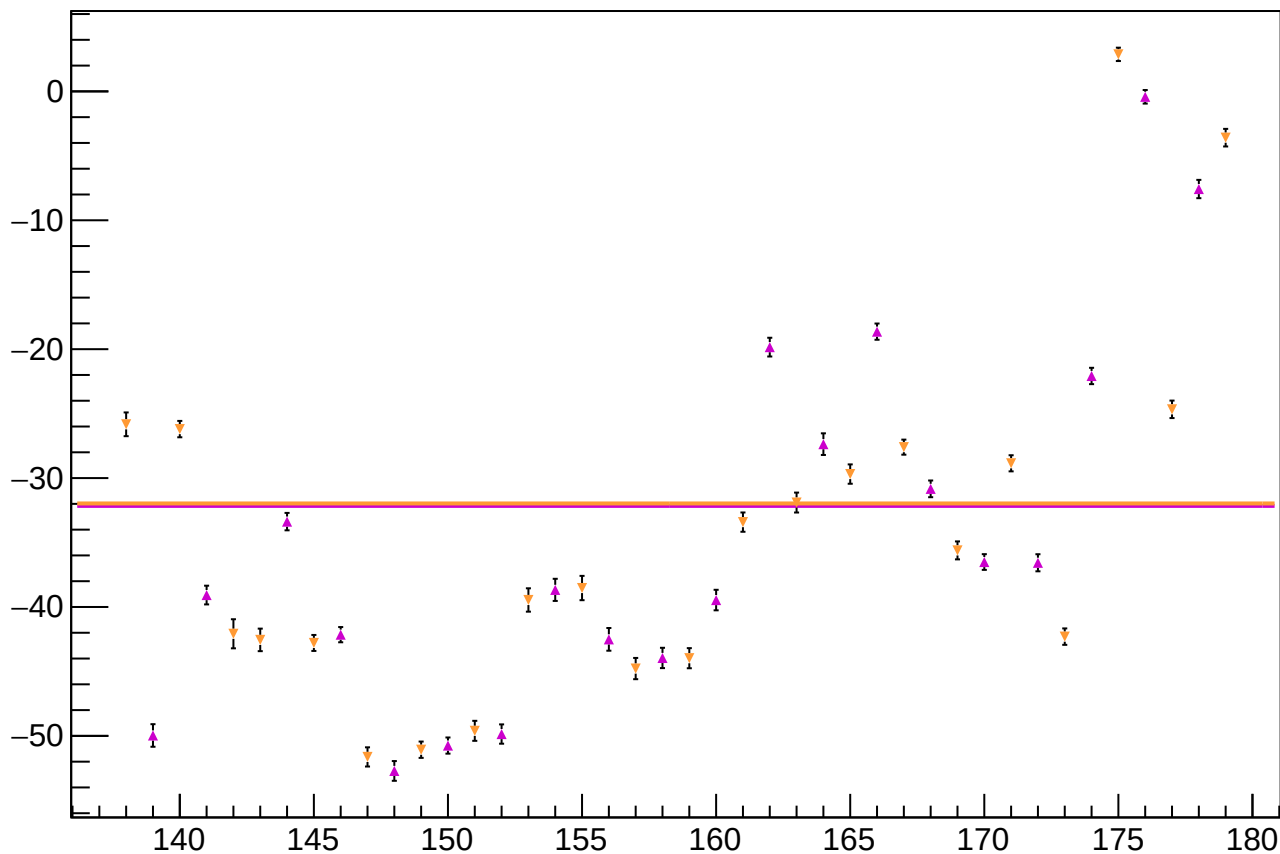
Left In: -1.676 $\pm$ 0.118 χ^2 /NDF:3195.7/19

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

All: -1.609 $\pm$ 0.082 χ^2 /NDF: 7820.1/41

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

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -31.969+/-0.152 χ^2/NDF :10125.9/21

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

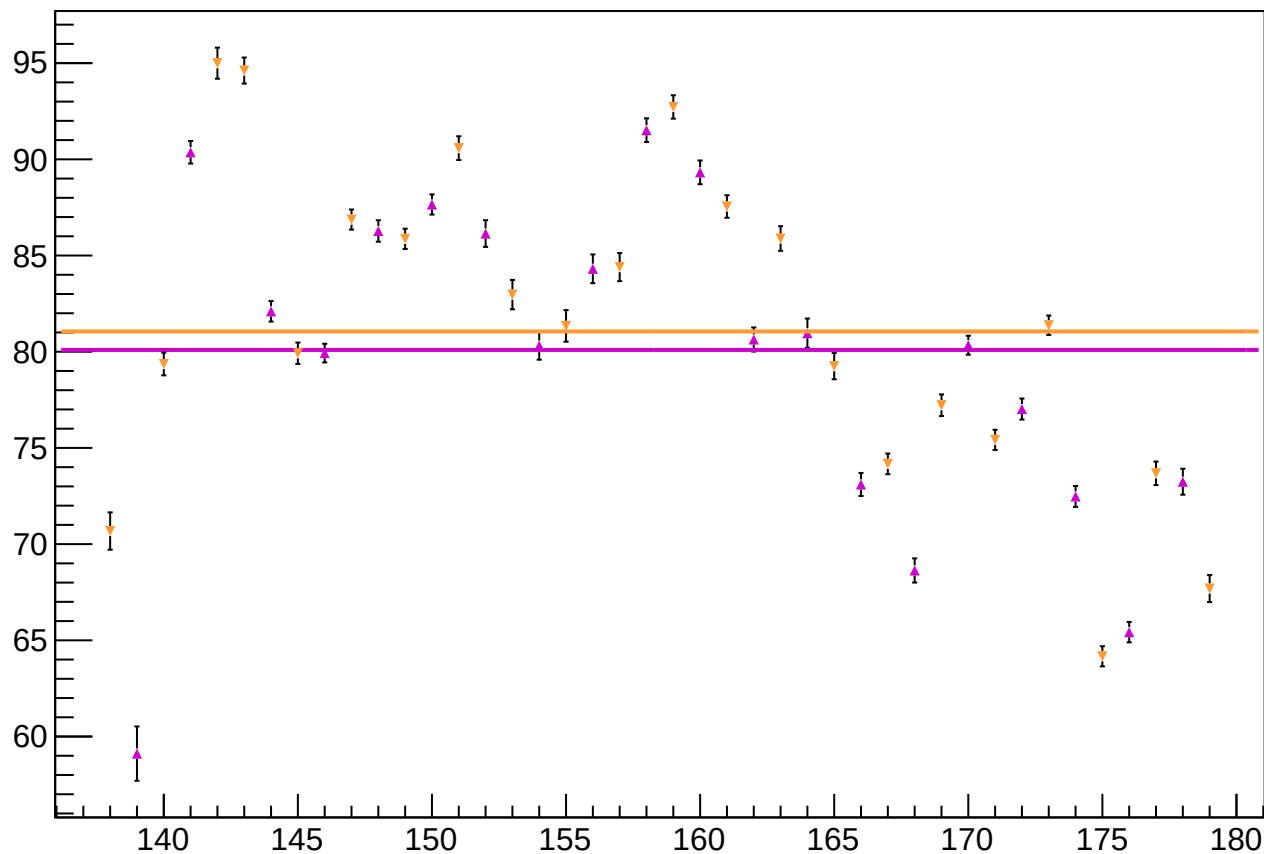
Left In: -32.156+/-0.155 χ^2/NDF :9436.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.061+/-0.109 χ^2/NDF : 19562.7/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

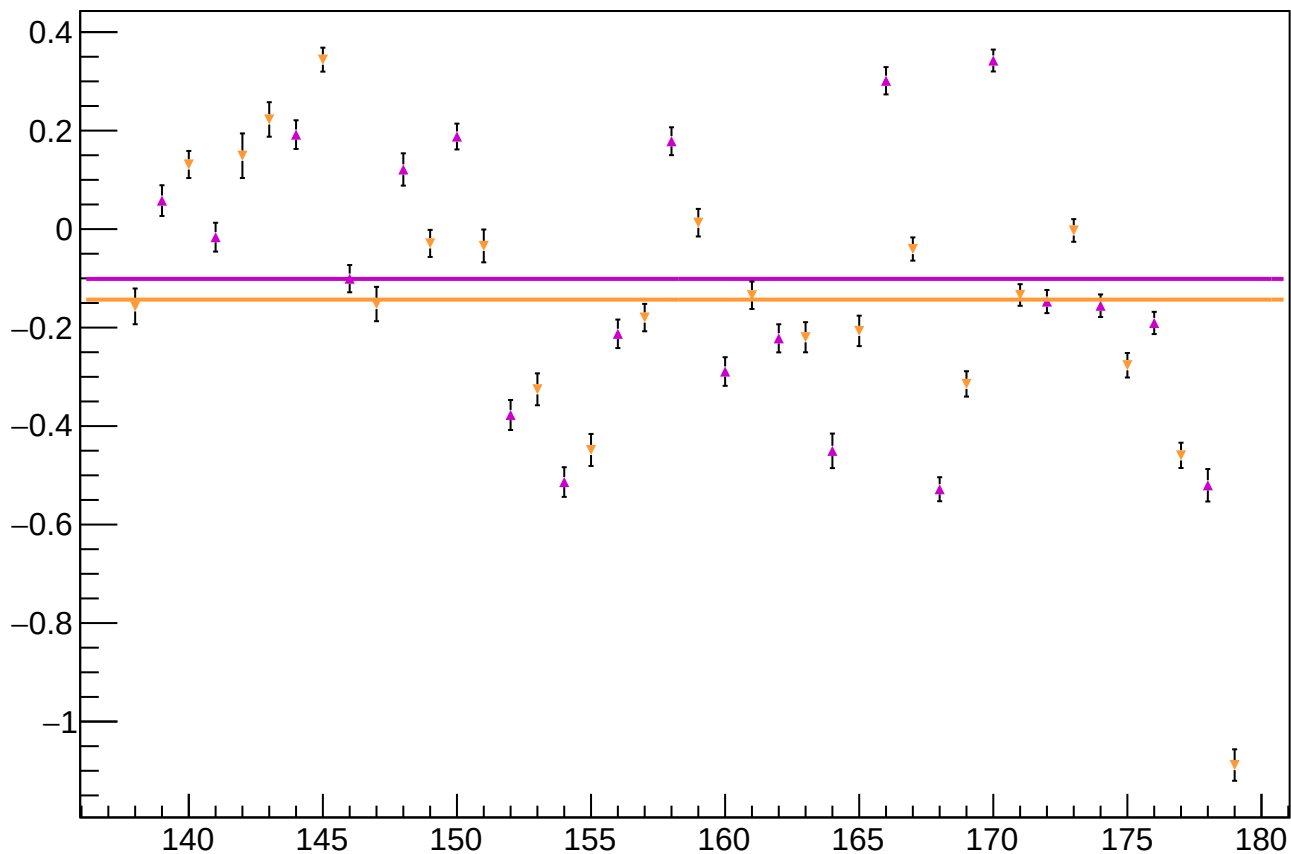
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



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: 80.093+/-0.135 χ^2/NDF : 3111.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 80.588+/-0.094 χ^2/NDF : 6868.3/41
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

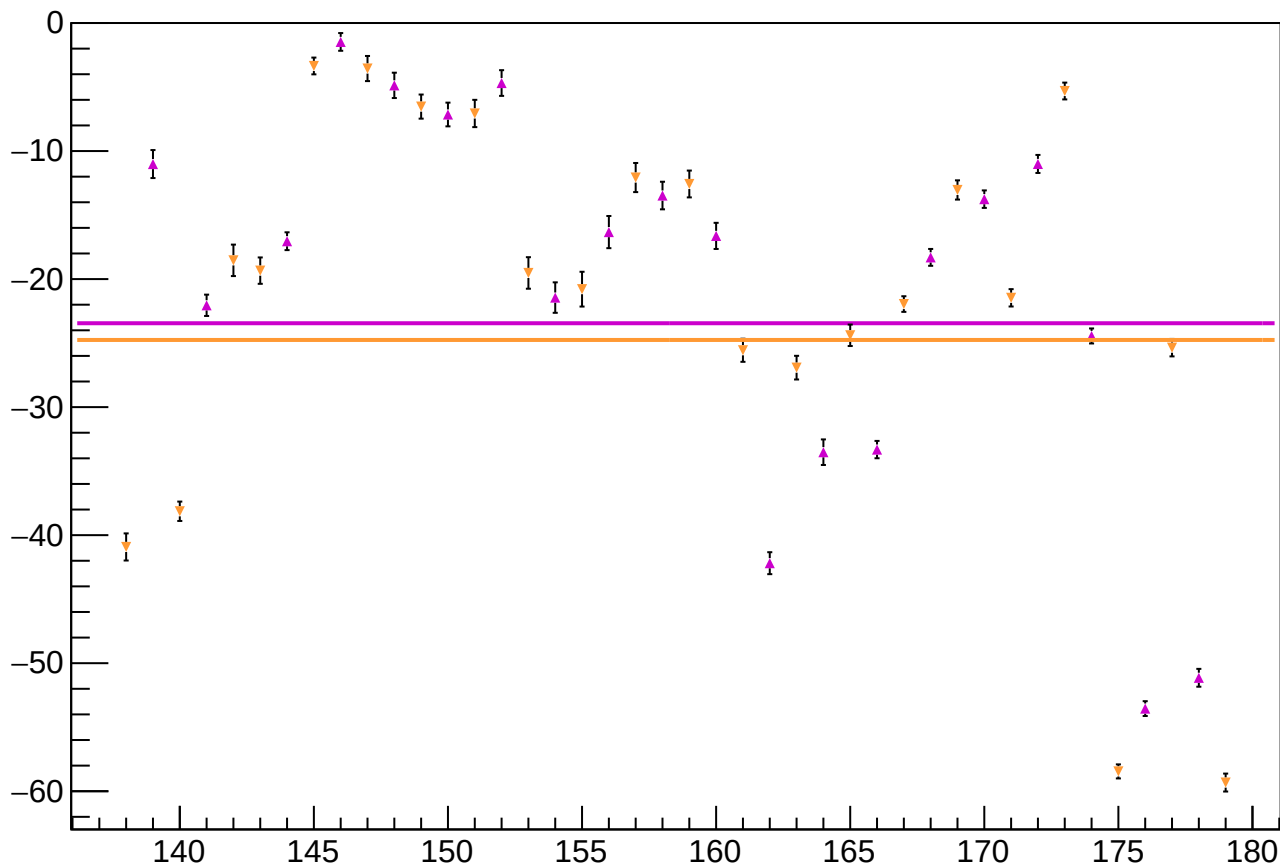
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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: -0.101 $\pm$ 0.006 χ^2 /NDF:1948.4/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.123 $\pm$ 0.004 χ^2 /NDF: 3969.2/41
 - 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

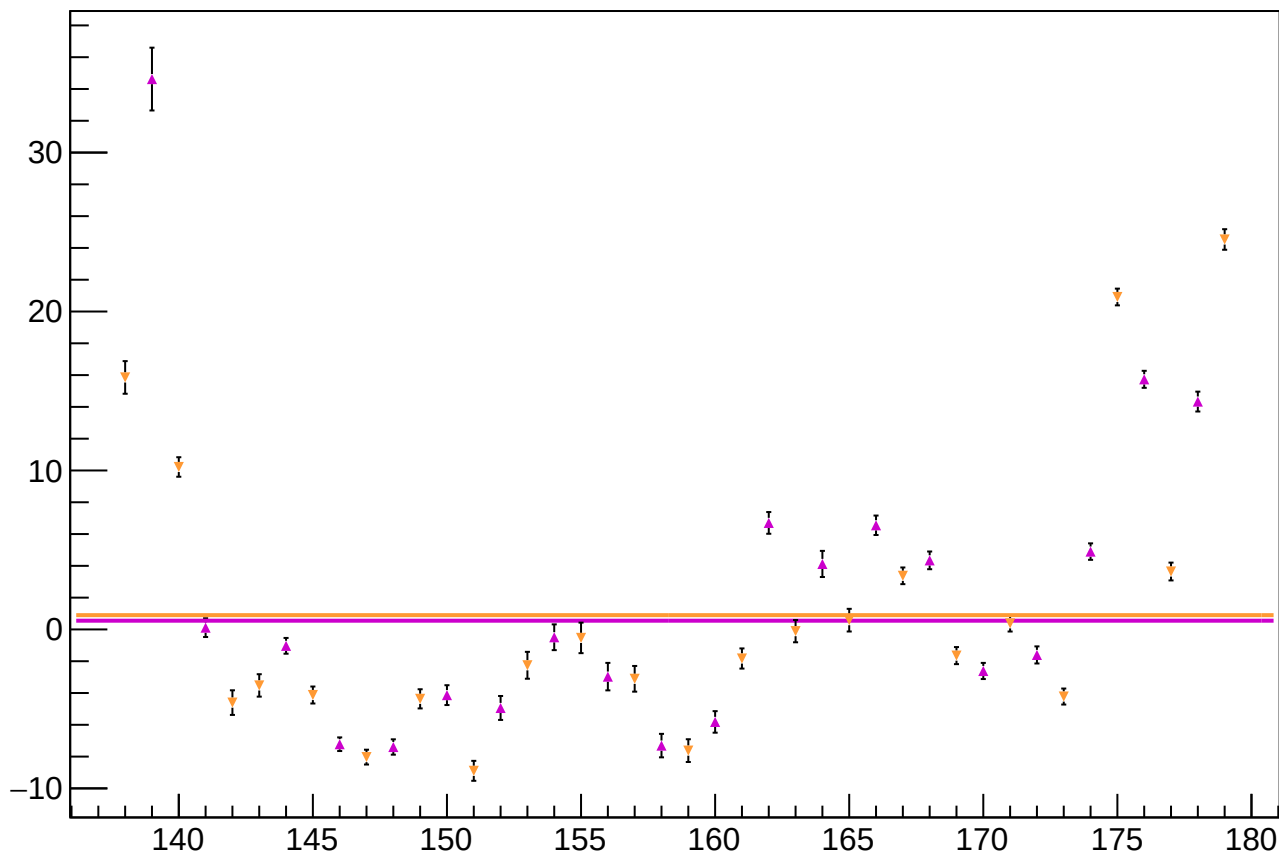
Left In: -23.448+/-0.178 χ^2/NDF :8054.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -24.112+/-0.124 χ^2/NDF : 18525.3/41

- 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

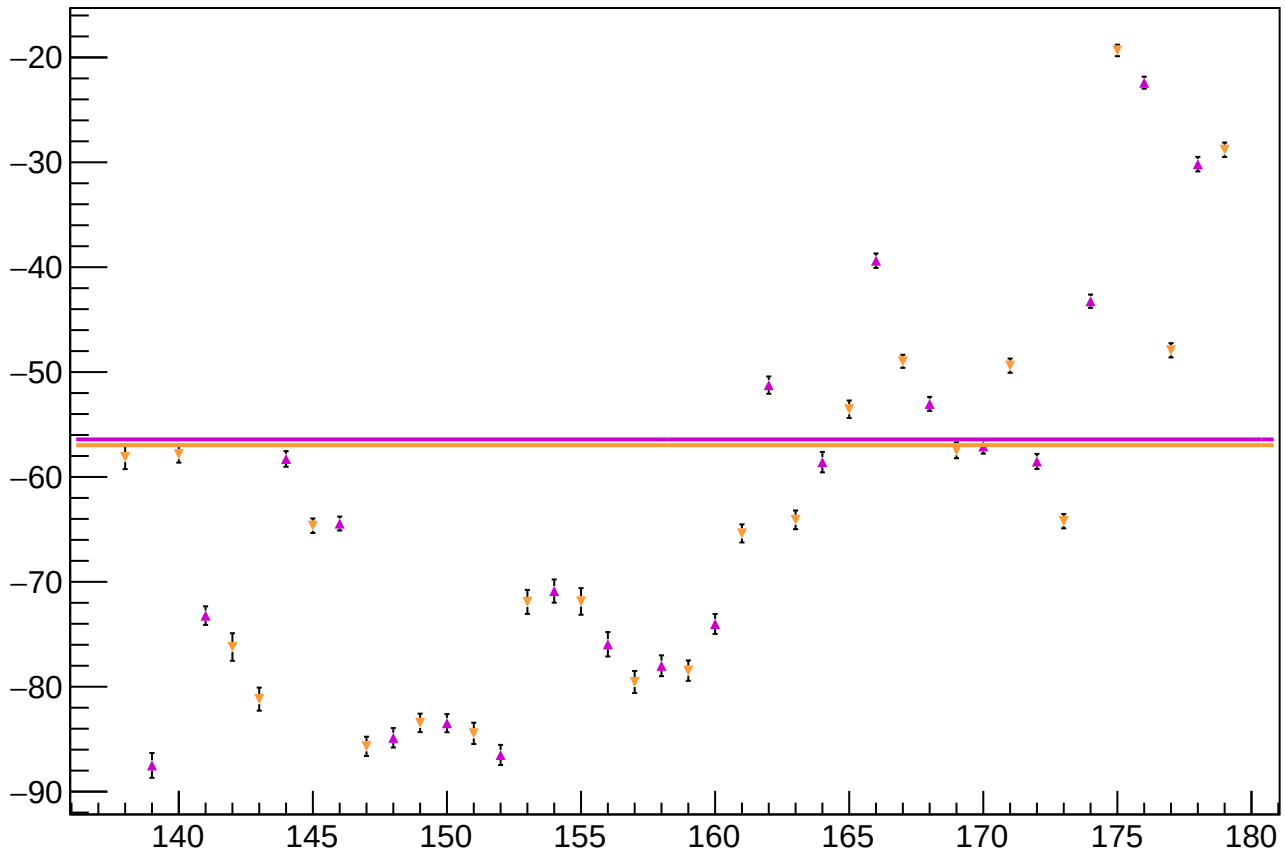
Left In: 0.549 $\pm$ 0.135 χ^2 /NDF:2896.0/19

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

All: 0.727 $\pm$ 0.095 χ^2 /NDF: 7360.4/41

- 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

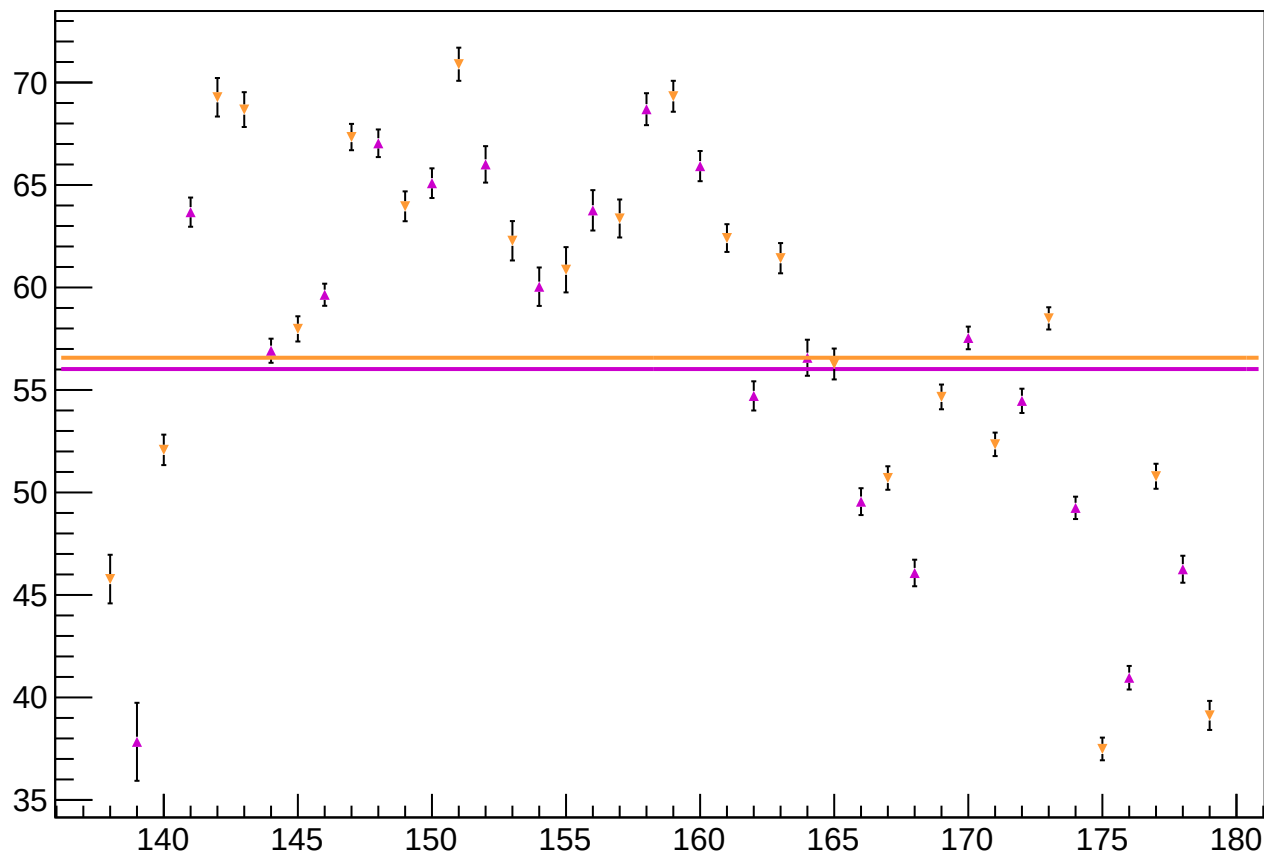
Left In: -56.425+/-0.177 χ^2/NDF : 11448.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -56.699+/-0.124 χ^2/NDF : 23256.4/41

- 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

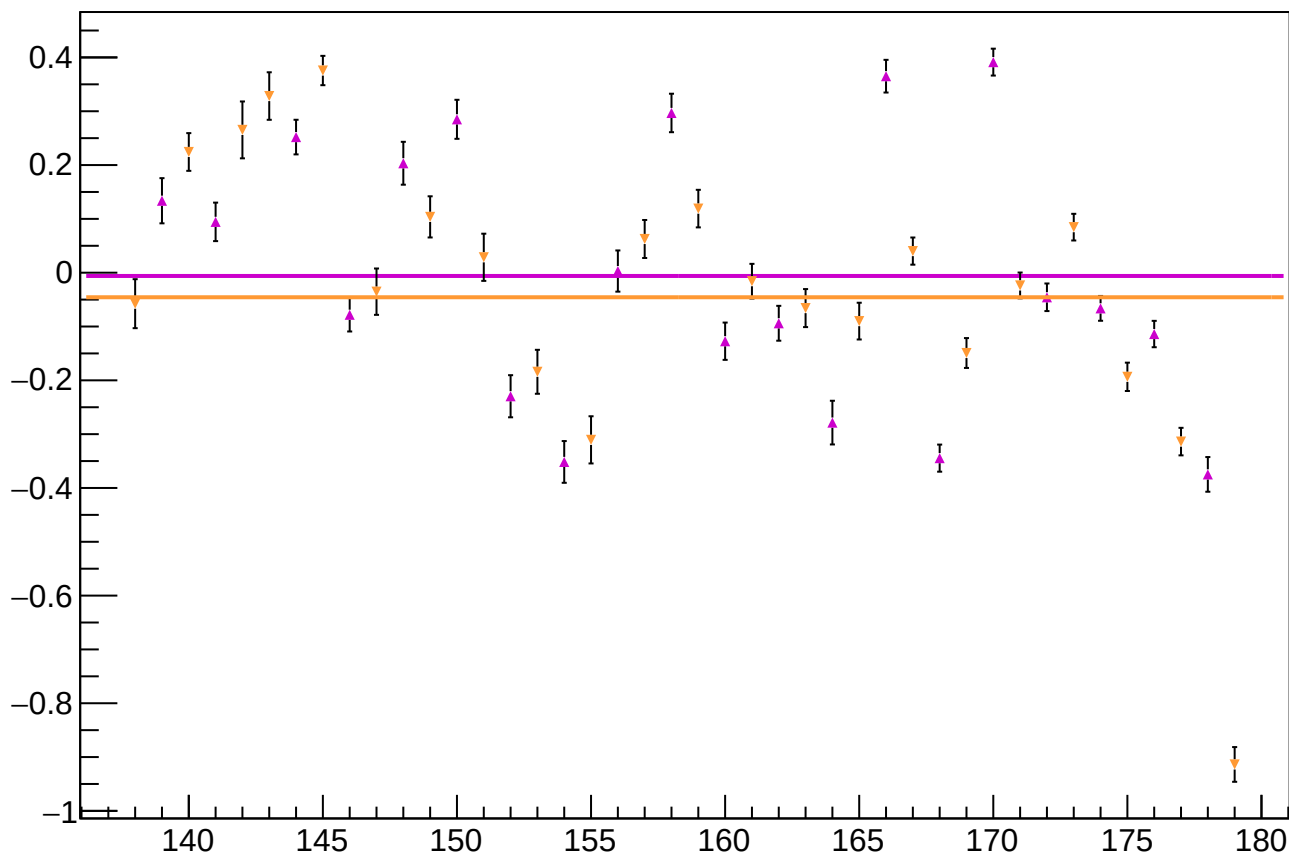
Left In: 56.021+/-0.154 χ^2/NDF : 2741.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 56.303+/-0.107 χ^2/NDF : 6532.1/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

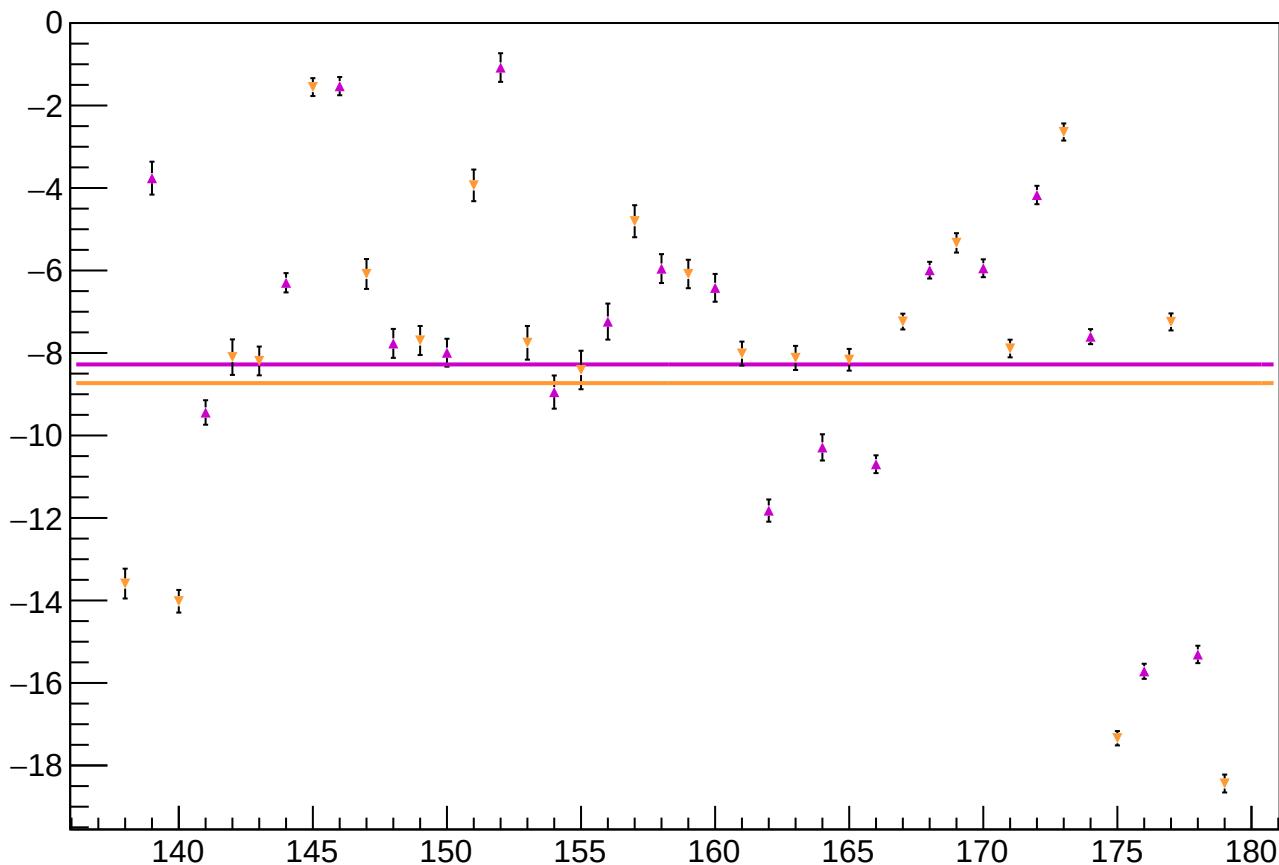
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.046+/-0.007 χ^2/NDF : 1424.9/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.006+/-0.007 χ^2/NDF : 1172.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -0.026+/-0.005 χ^2/NDF : 2612.9/41
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

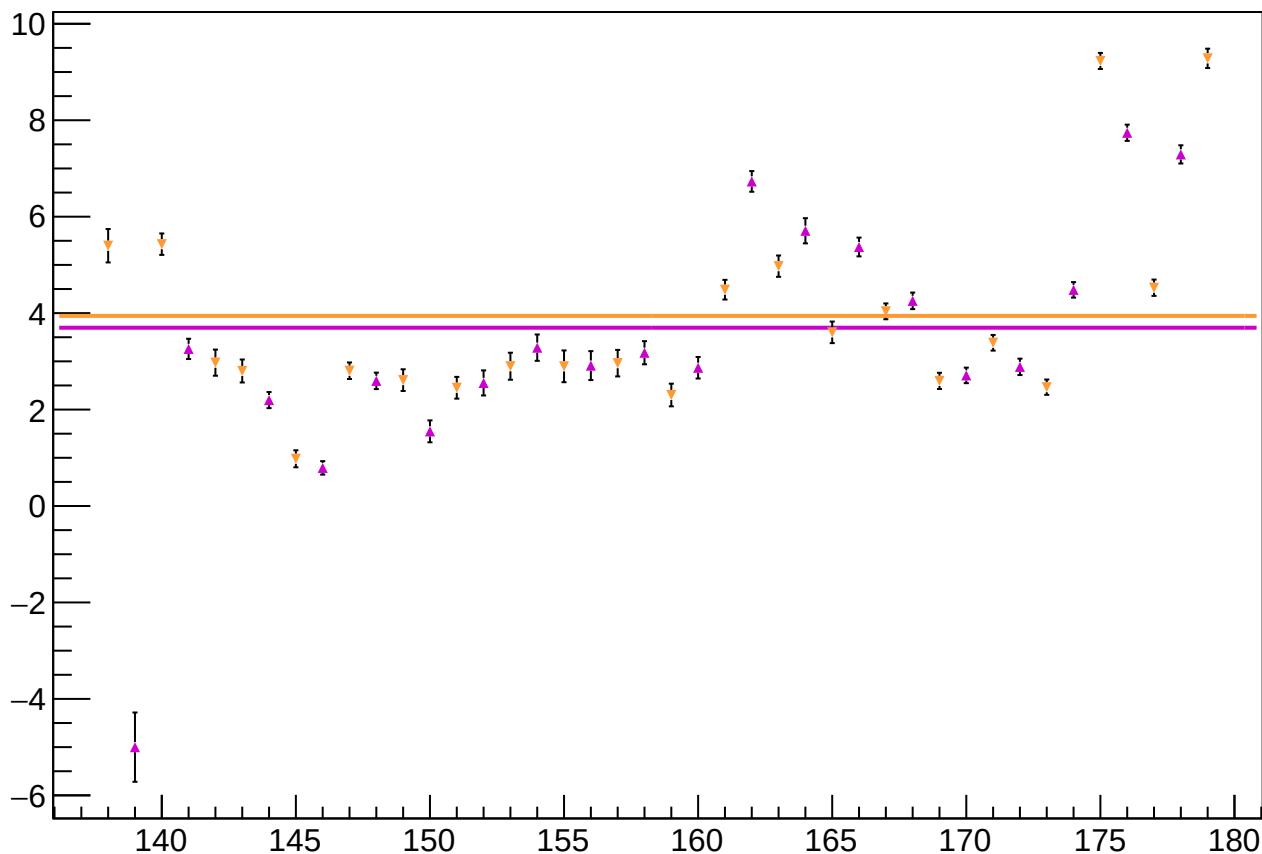
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.730 $\pm$ 0.057 χ^2 /NDF: 7694.5/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.278 $\pm$ 0.057 χ^2 /NDF: 5362.6/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -8.506 $\pm$ 0.040 χ^2 /NDF: 13088.6/41
 - sign 0.000 $\pm$ 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

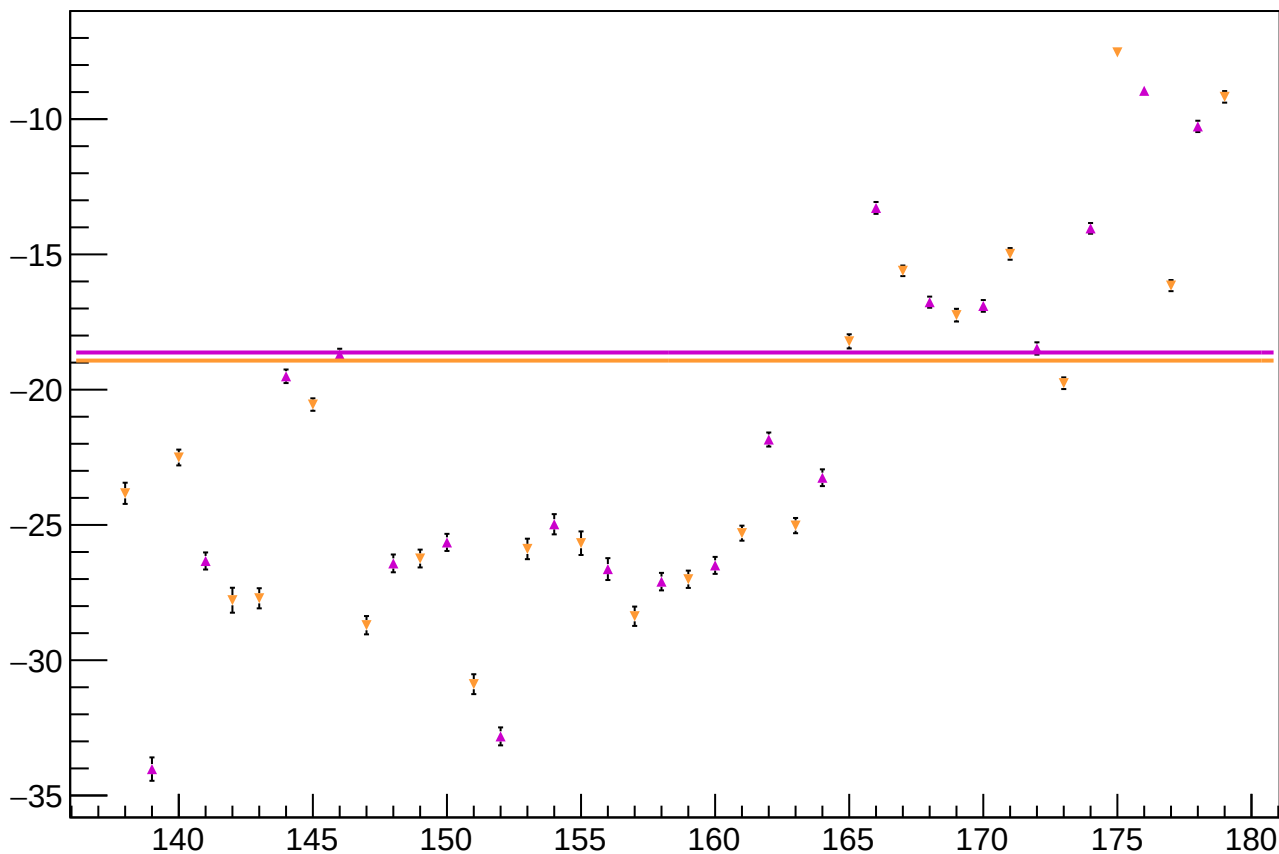
Left In: 3.697 $\pm$ 0.044 χ^2 /NDF:2210.0/19

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

All: 3.822 $\pm$ 0.031 χ^2 /NDF: 4733.9/41

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.925+/-0.057 χ^2/NDF :13806.8/21

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

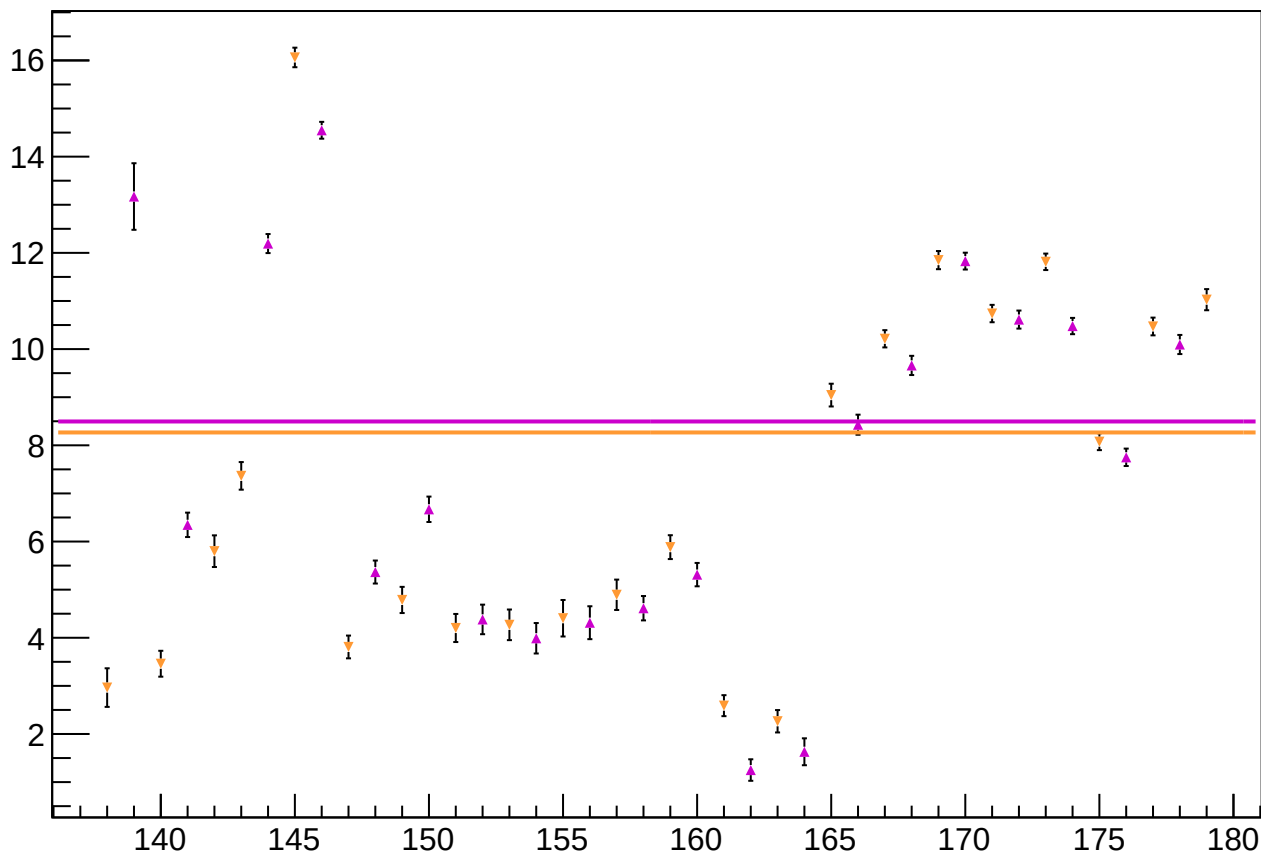
Left In: -18.626+/-0.057 χ^2/NDF :12847.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -18.777+/-0.040 χ^2/NDF : 26668.2/41

- sign 0.000+/-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

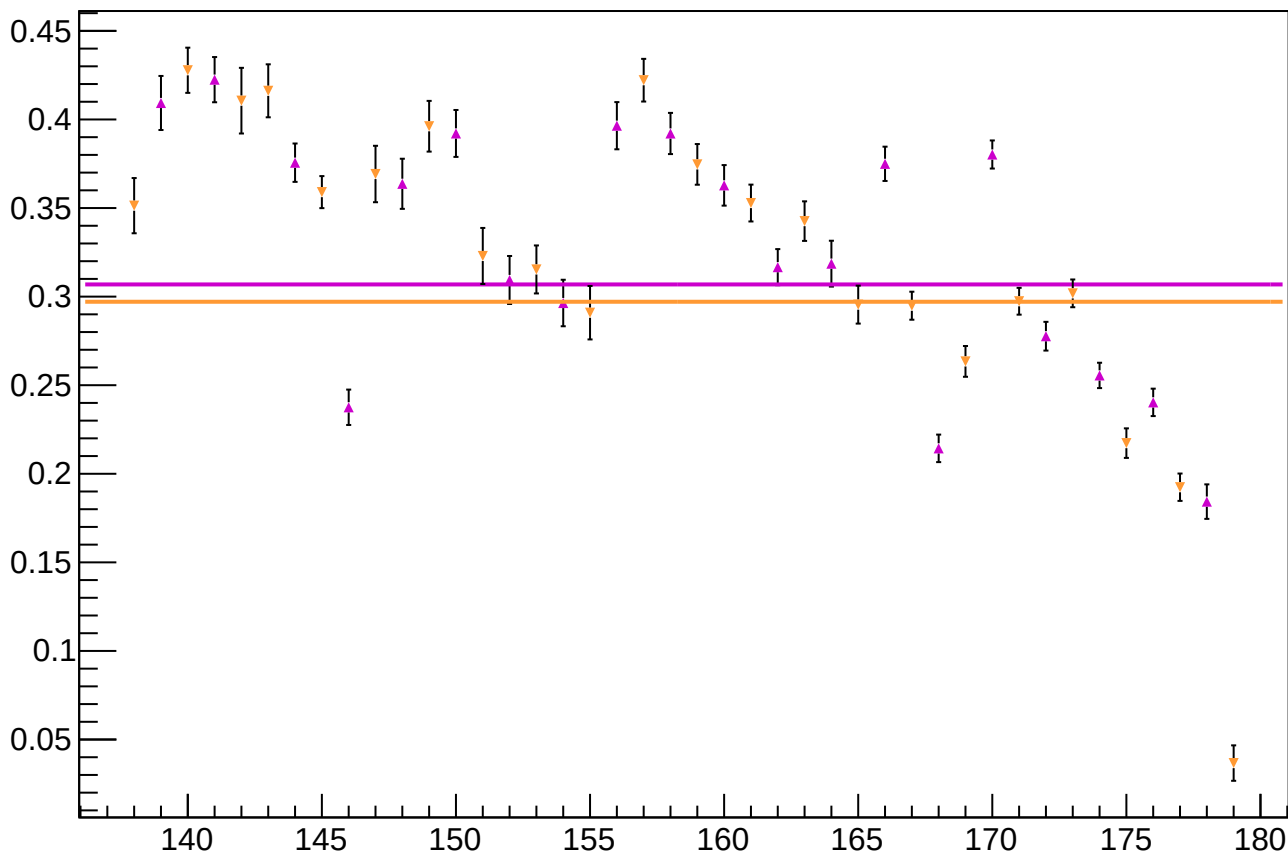
Left In: 8.495+/-0.050 χ^2/NDF :5217.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 8.379+/-0.035 χ^2/NDF : 11192.4/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

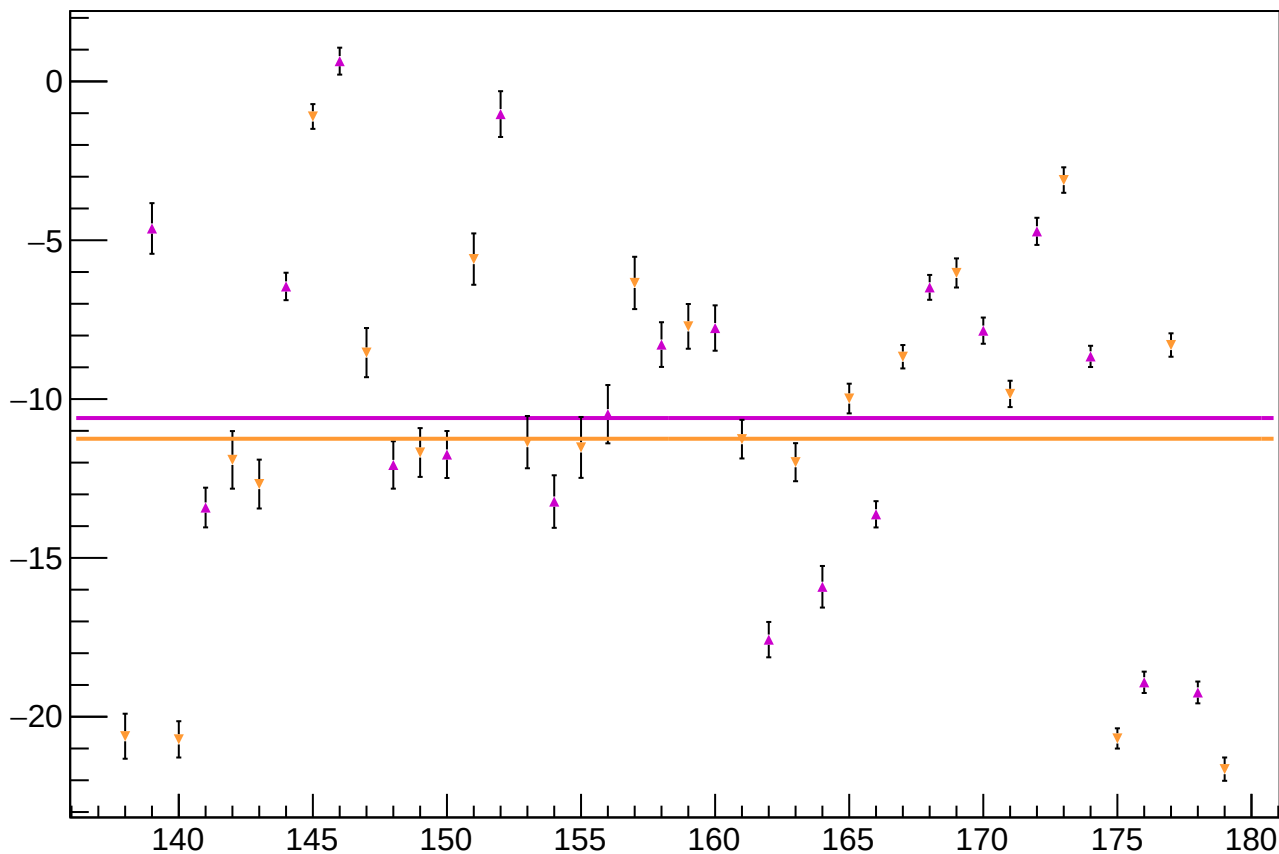
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.297 $\pm$ 0.002 χ^2 /NDF:1505.1/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.307 $\pm$ 0.002 χ^2 /NDF:972.2/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.302 $\pm$ 0.002 χ^2 /NDF: 2486.6/41
 - sign 0.000 $\pm$ 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

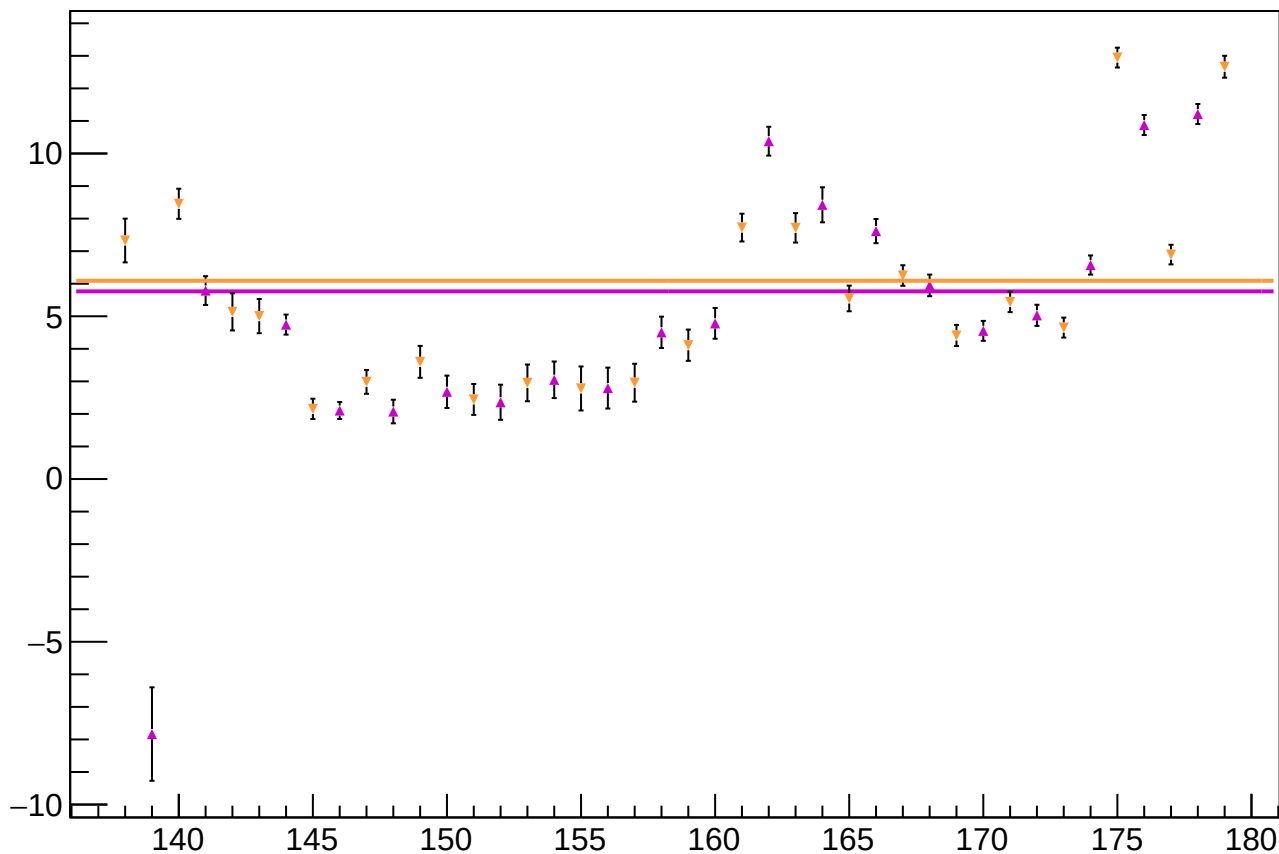
Left In: -10.597+/-0.110 χ^2/NDF : 2989.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -10.926+/-0.077 χ^2/NDF : 6613.5/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

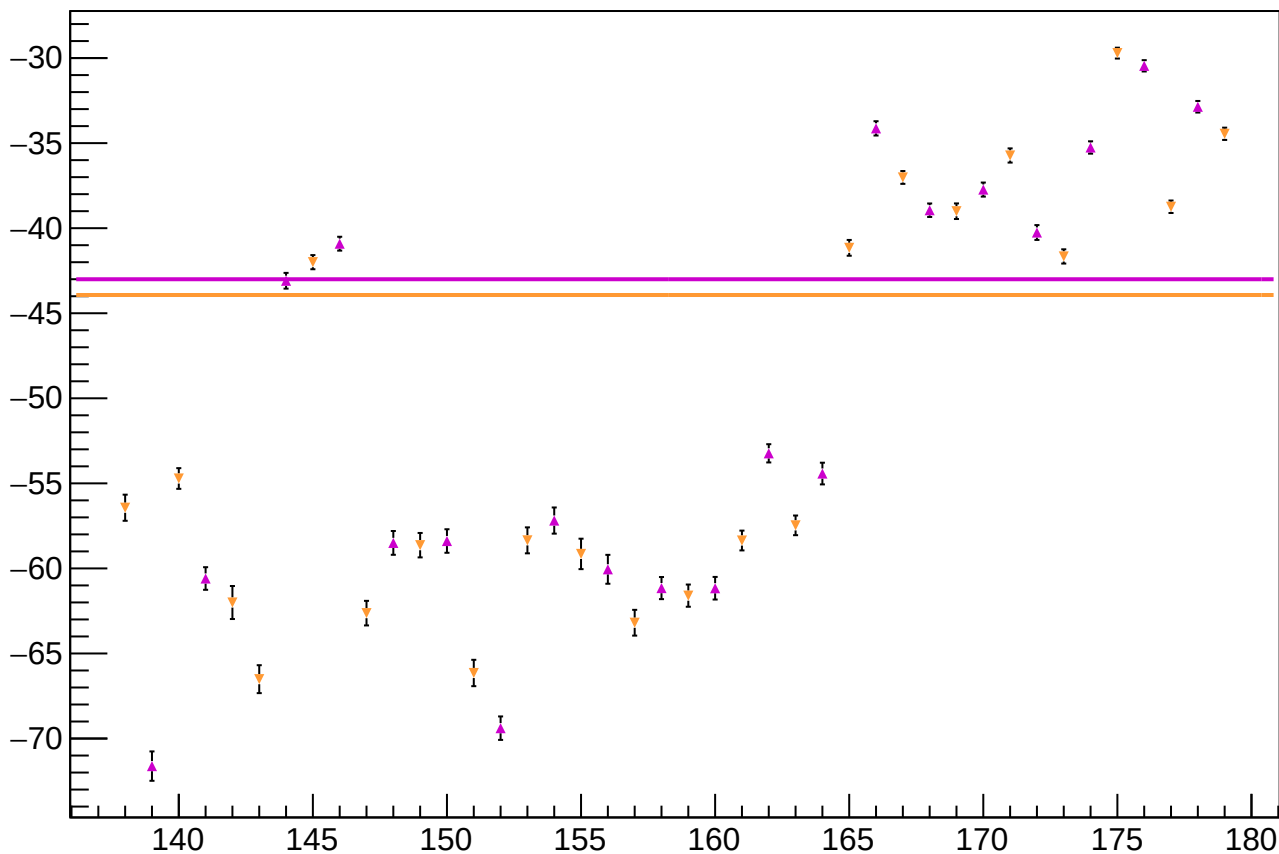
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



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: 5.765 $\pm$ 0.085 χ^2 /NDF:1310.4/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 5.929 $\pm$ 0.060 χ^2 /NDF: 2749.2/41
 - 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

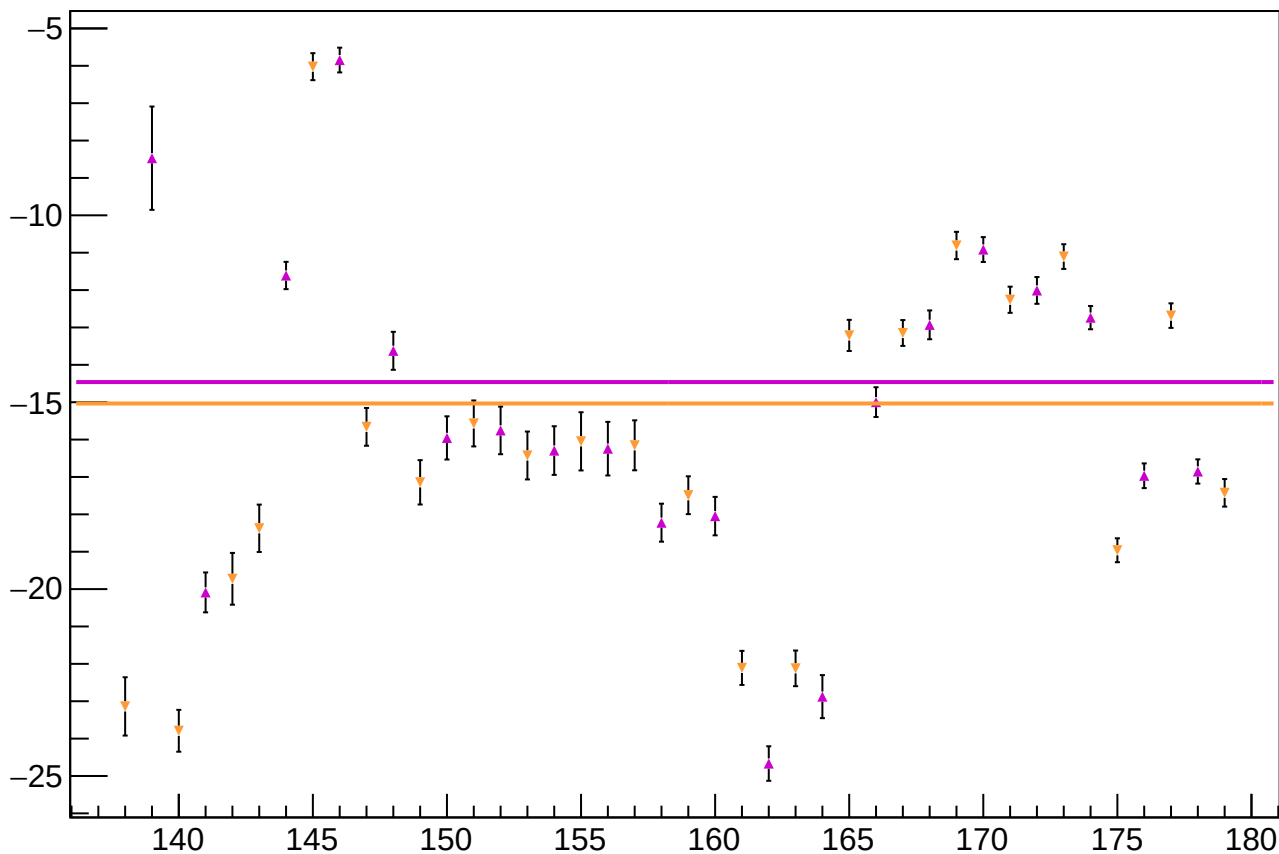
Left In: -43.002+/-0.110 χ^2/NDF :10747.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -43.469+/-0.077 χ^2/NDF : 21358.6/41

- 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

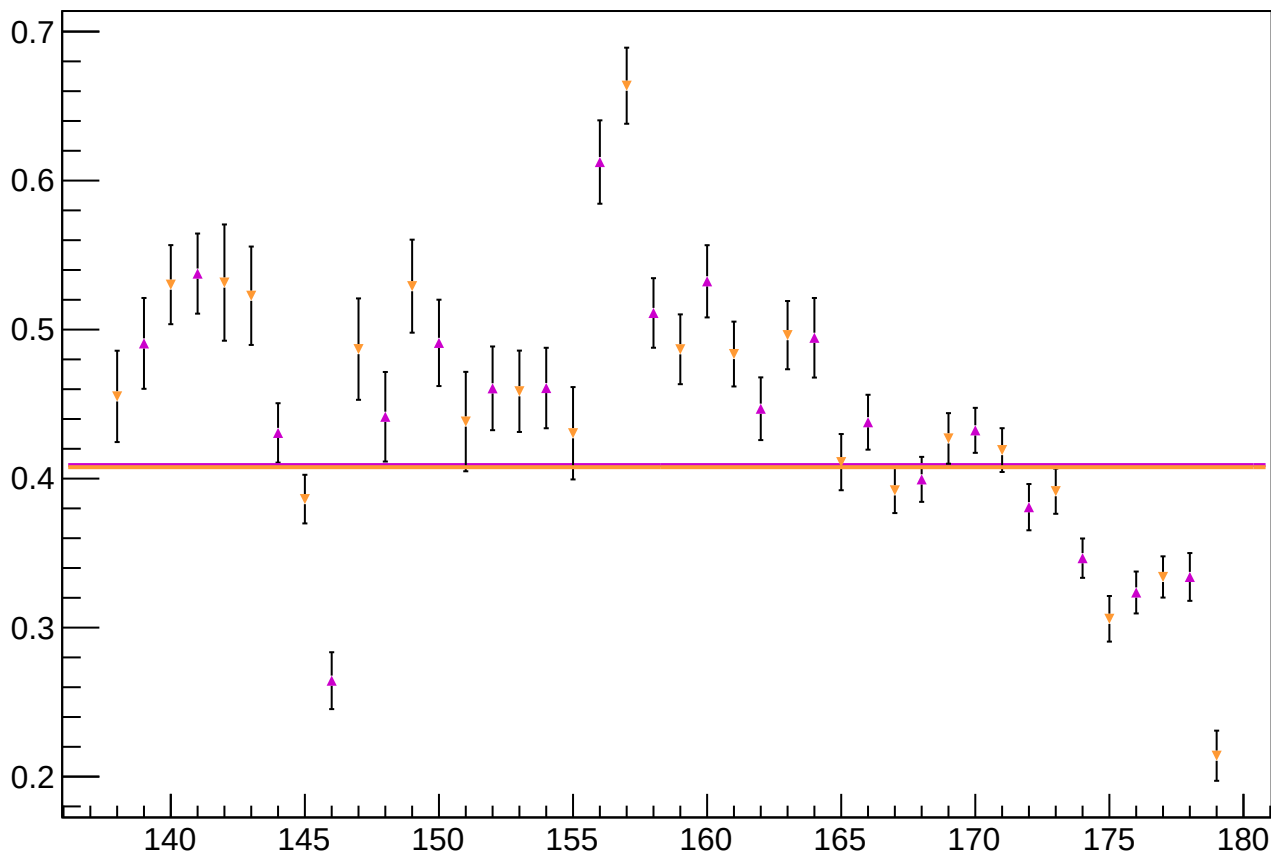
Left In: -14.461+/-0.096 χ^2/NDF : 2021.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -14.751+/-0.067 χ^2/NDF : 4228.4/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

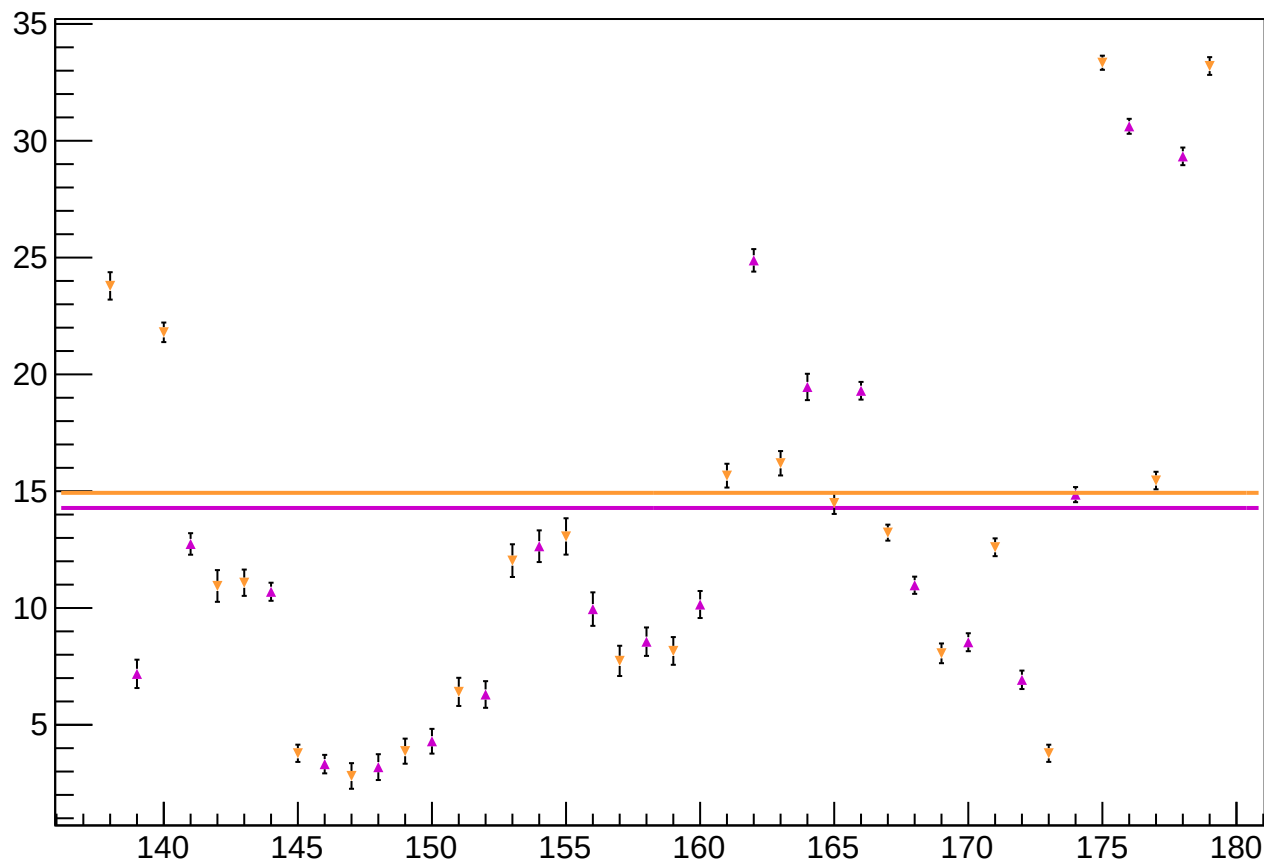
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



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: 0.409 $\pm$ 0.004 χ^2 /NDF:306.0/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.408 $\pm$ 0.003 χ^2 /NDF: 727.3/41
 - 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

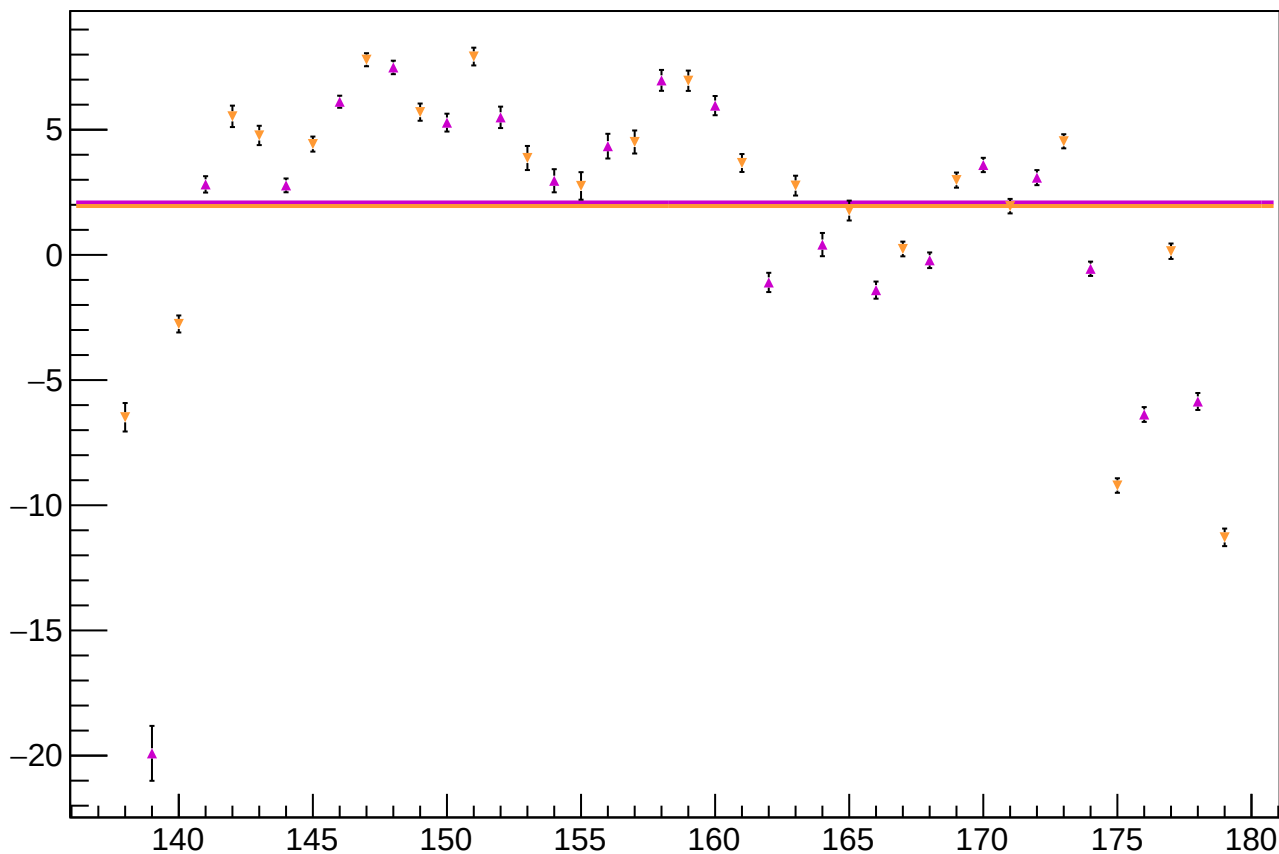
Left In: 14.282+/-0.099 χ^2/NDF : 7726.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 14.612+/-0.070 χ^2/NDF : 17888.4/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

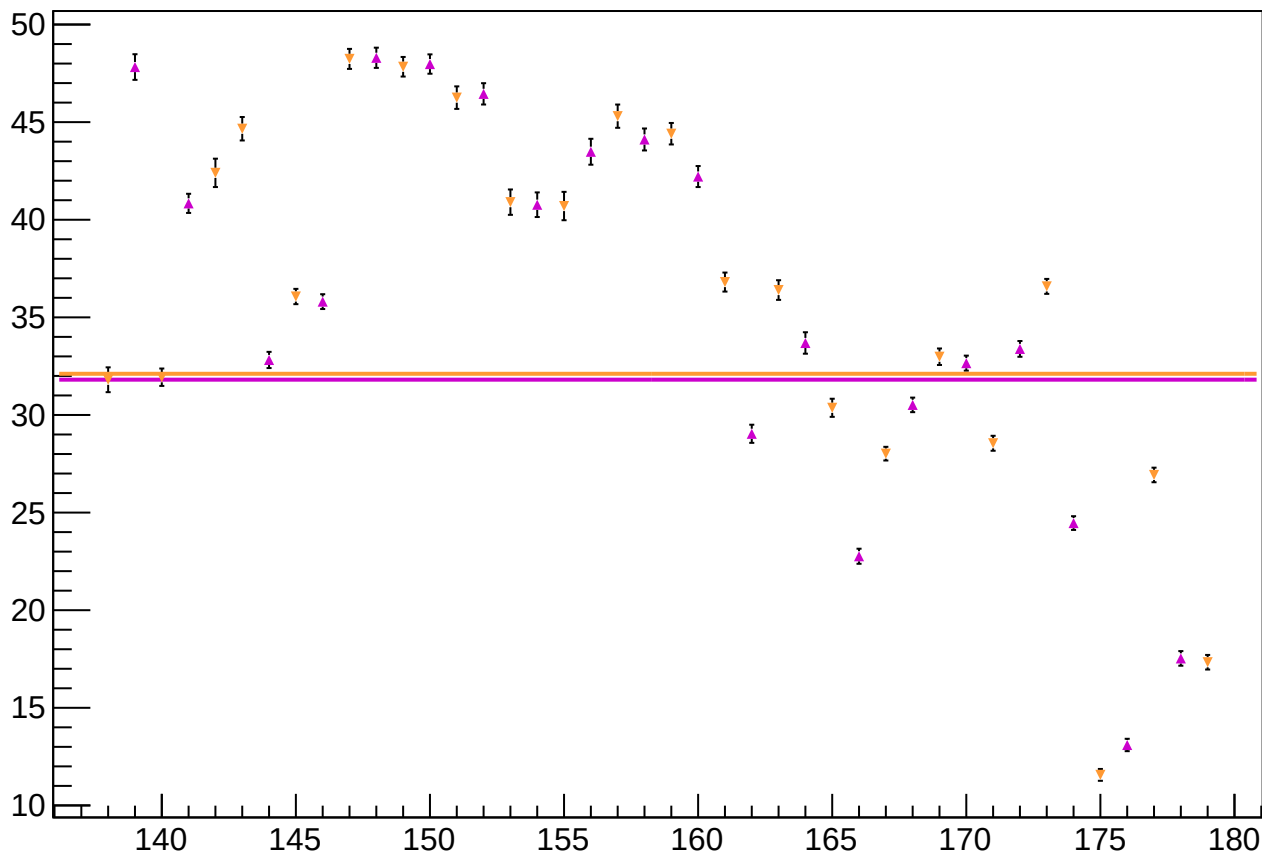
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: 1.953 +/- 0.074 χ^2/NDF : 4799.9/21
 Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left In: 2.094 +/- 0.076 χ^2/NDF : 3231.7/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 All: 2.022 +/- 0.053 χ^2/NDF : 8033.3/41
 - sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 32.110+/-0.097 χ^2/NDF : 11504.4/21

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

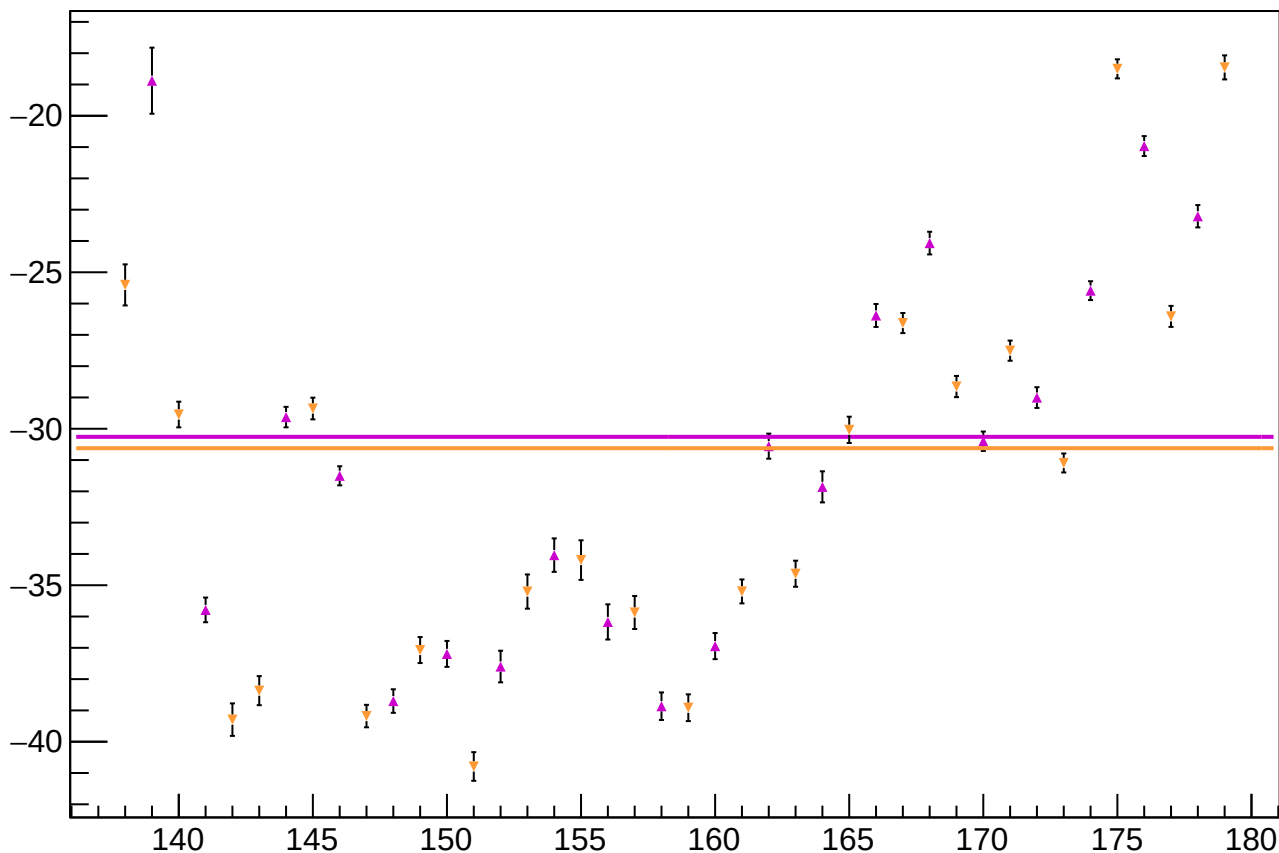
Left In: 31.808+/-0.099 χ^2/NDF : 11210.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 31.962+/-0.070 χ^2/NDF : 22719.6/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

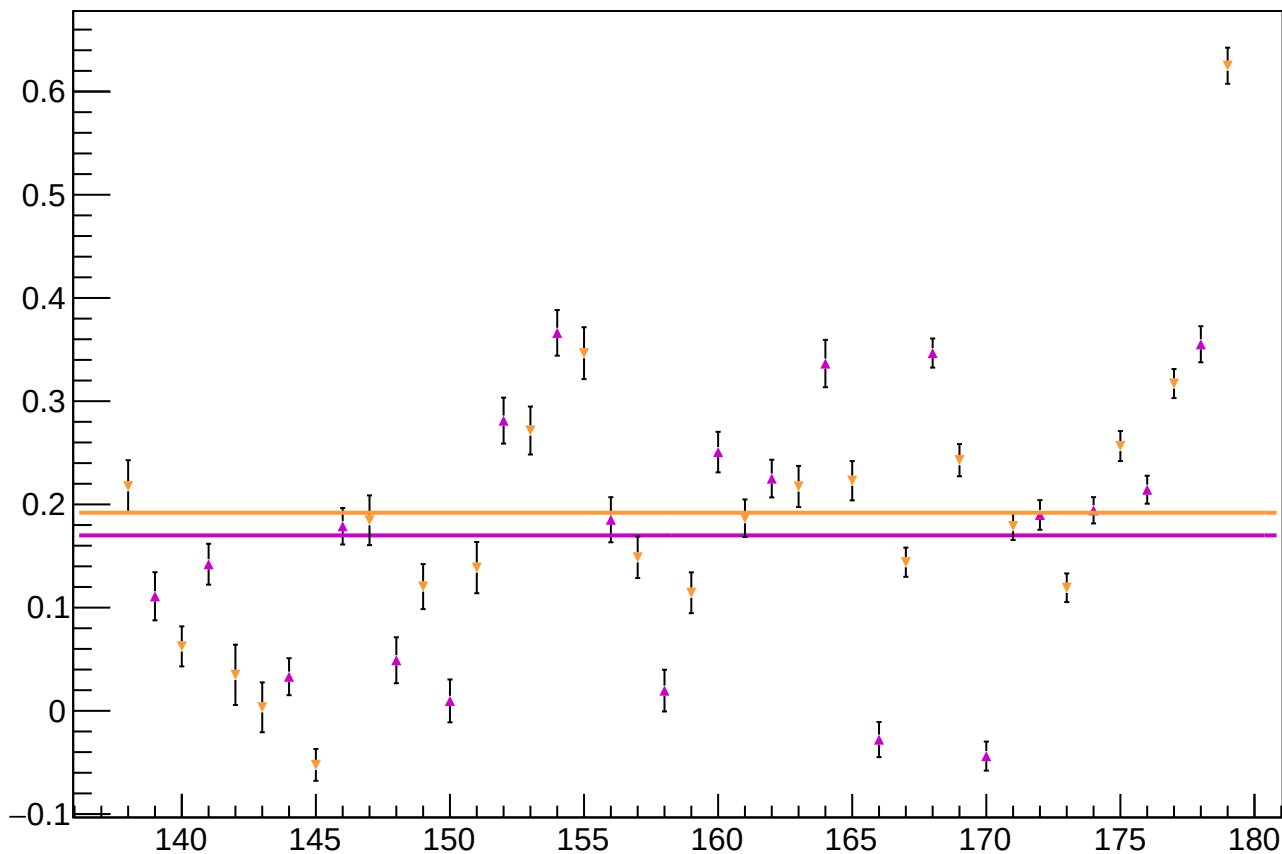
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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: -30.258+/-0.086 χ^2/NDF : 4039.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -30.444+/-0.060 χ^2/NDF : 9832.0/41
 - 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.192 $\pm$ 0.004 χ^2 /NDF:1239.6/21

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

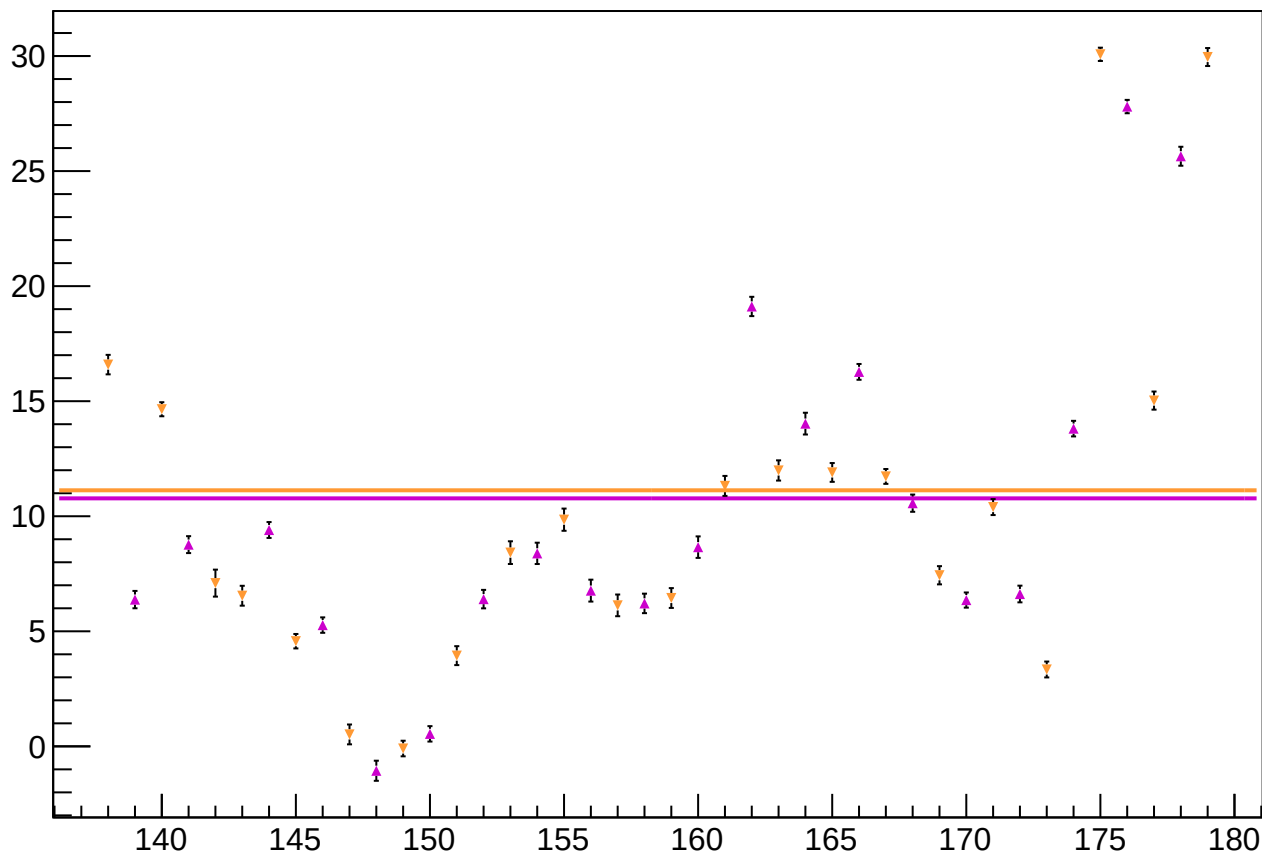
Left In: 0.170 $\pm$ 0.004 χ^2 /NDF:1047.2/19

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

All: 0.181 $\pm$ 0.003 χ^2 /NDF: 2302.5/41

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

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 11.127+/-0.082 χ^2/NDF :10499.5/21

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

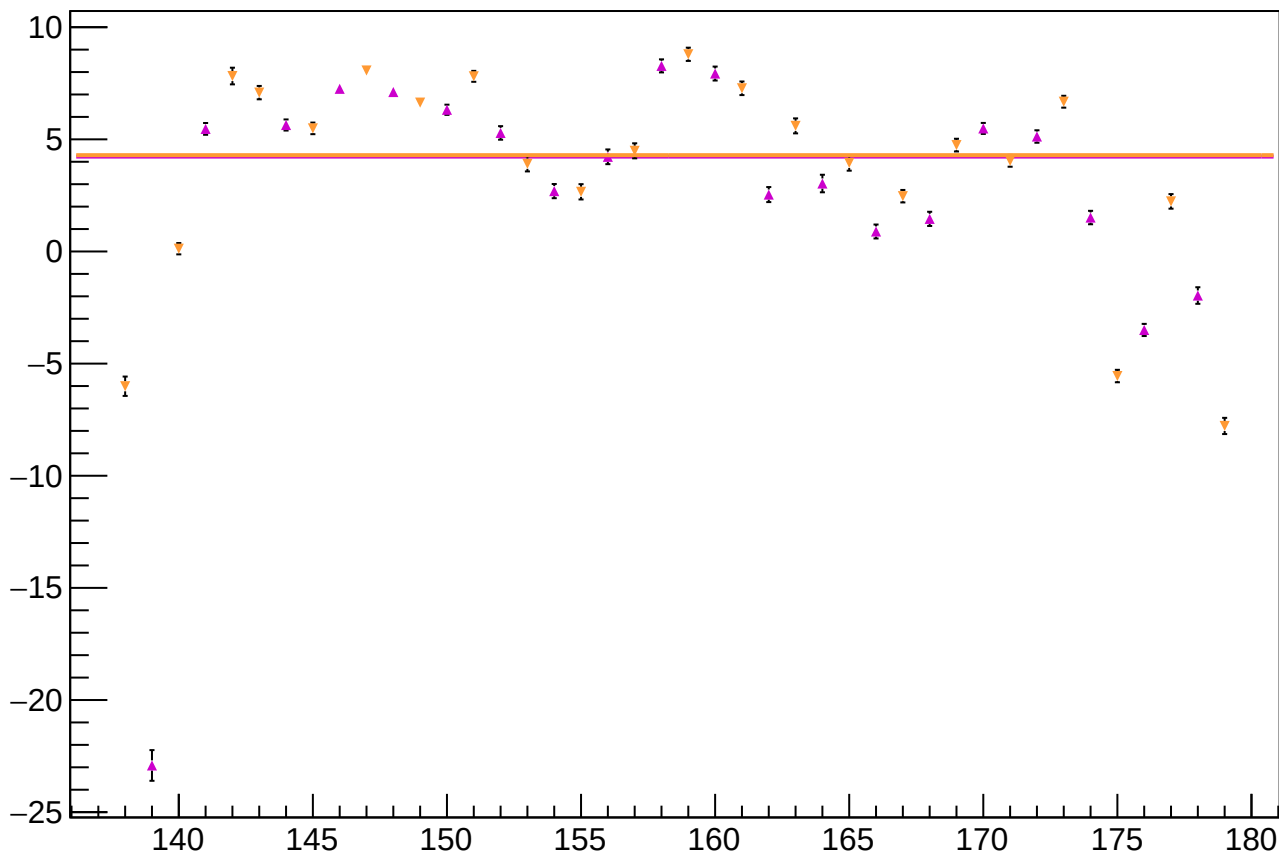
Left In: 10.777+/-0.084 χ^2/NDF :8303.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 10.956+/-0.059 χ^2/NDF : 18811.7/41

- sign 0.000+/-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

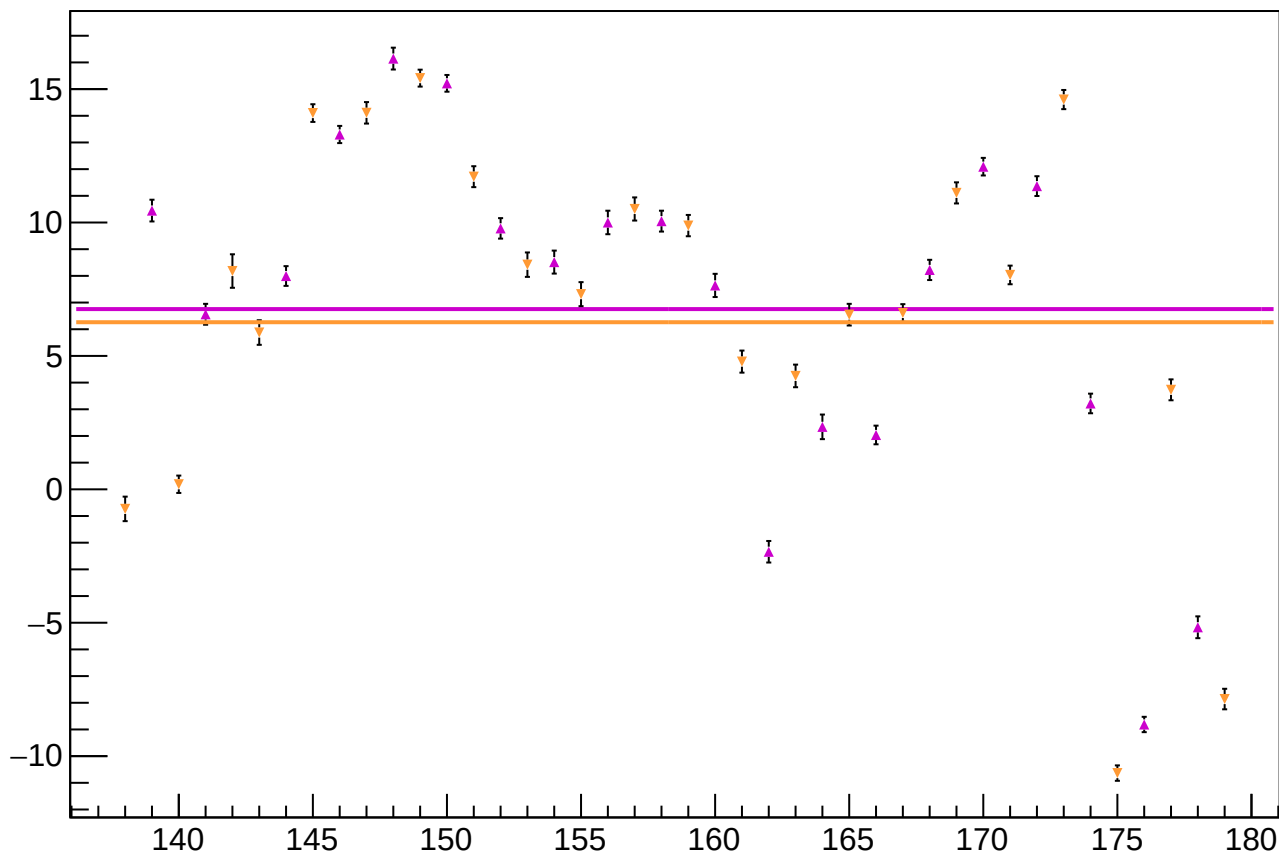
Left In: 4.231 $\pm$ 0.064 χ^2 /NDF:3900.4/19

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

All: 4.264 $\pm$ 0.044 χ^2 /NDF: 8505.6/41

- 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

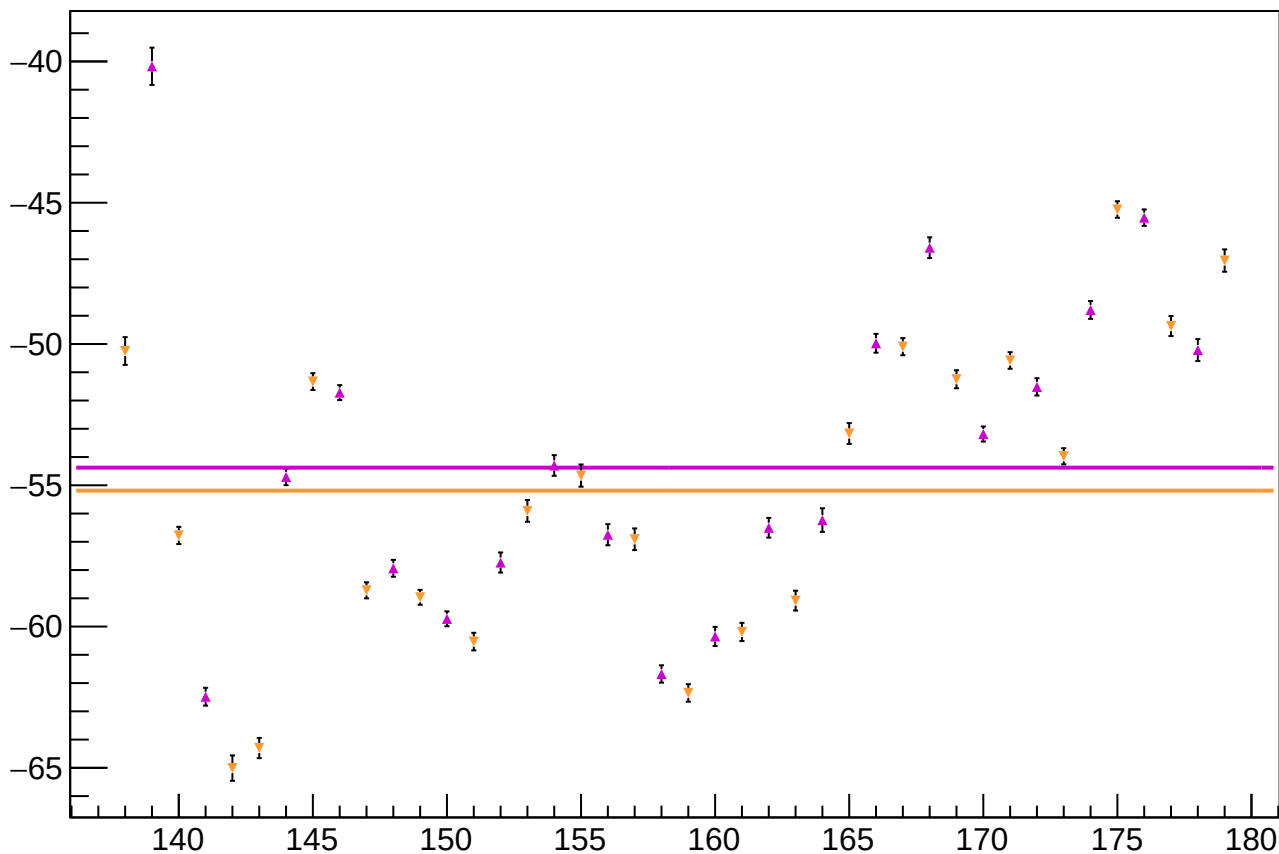
Left In: 6.755 $\pm$ 0.084 χ^2 /NDF:7059.6/19

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

All: 6.504 $\pm$ 0.059 χ^2 /NDF: 15403.3/41

- 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

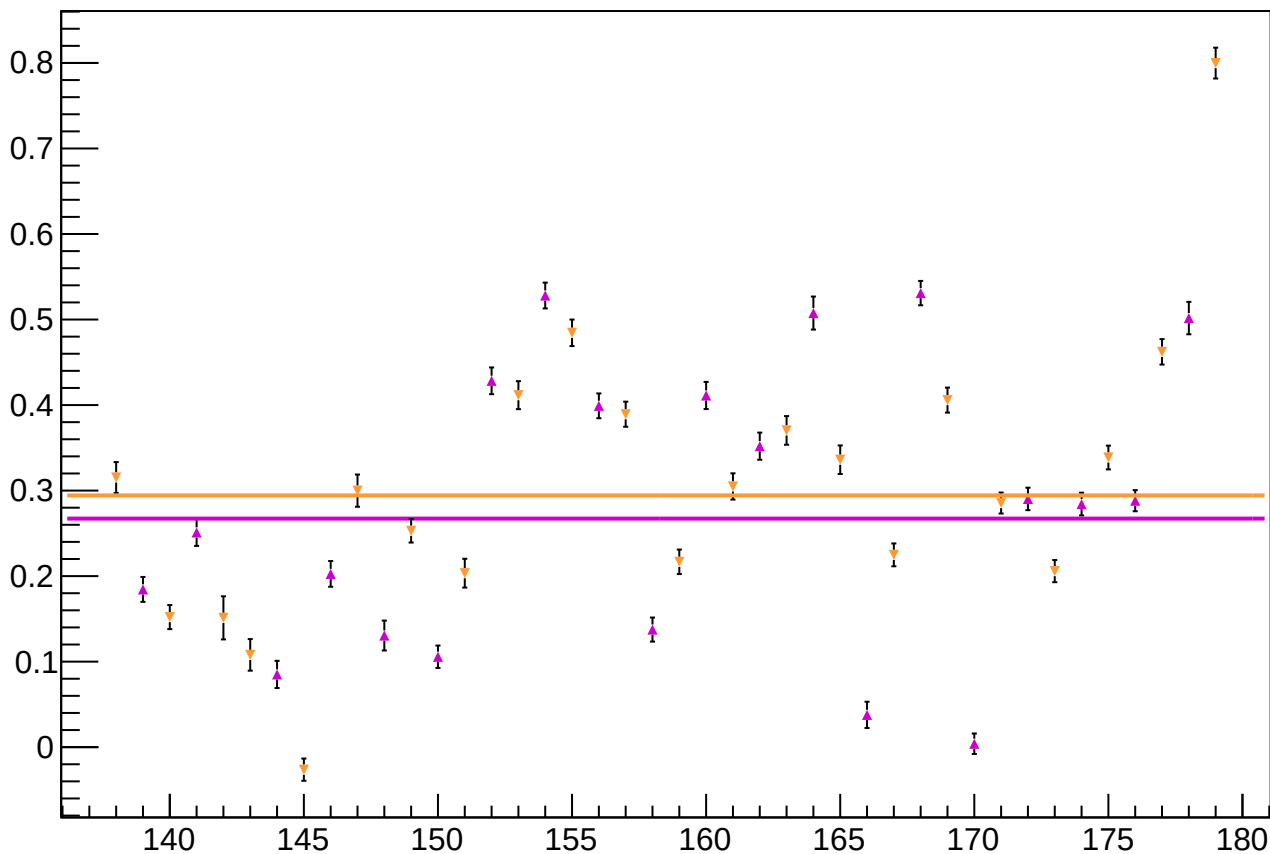
Left In: -54.376+/-0.073 χ^2/NDF : 4923.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -54.796+/-0.051 χ^2/NDF : 10566.1/41

- 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

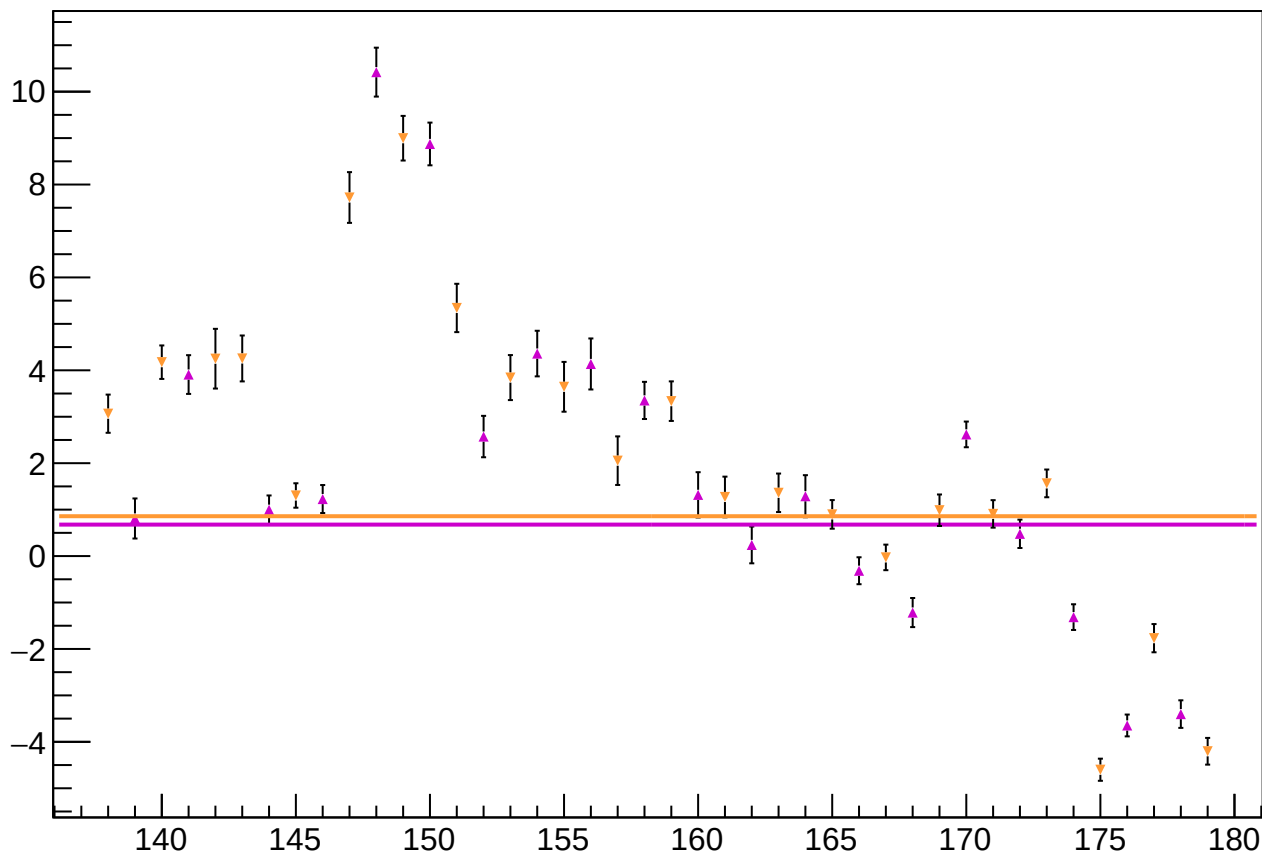
Left In: 0.267+/-0.003 χ^2/NDF :2441.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.281+/-0.002 χ^2/NDF : 4715.6/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

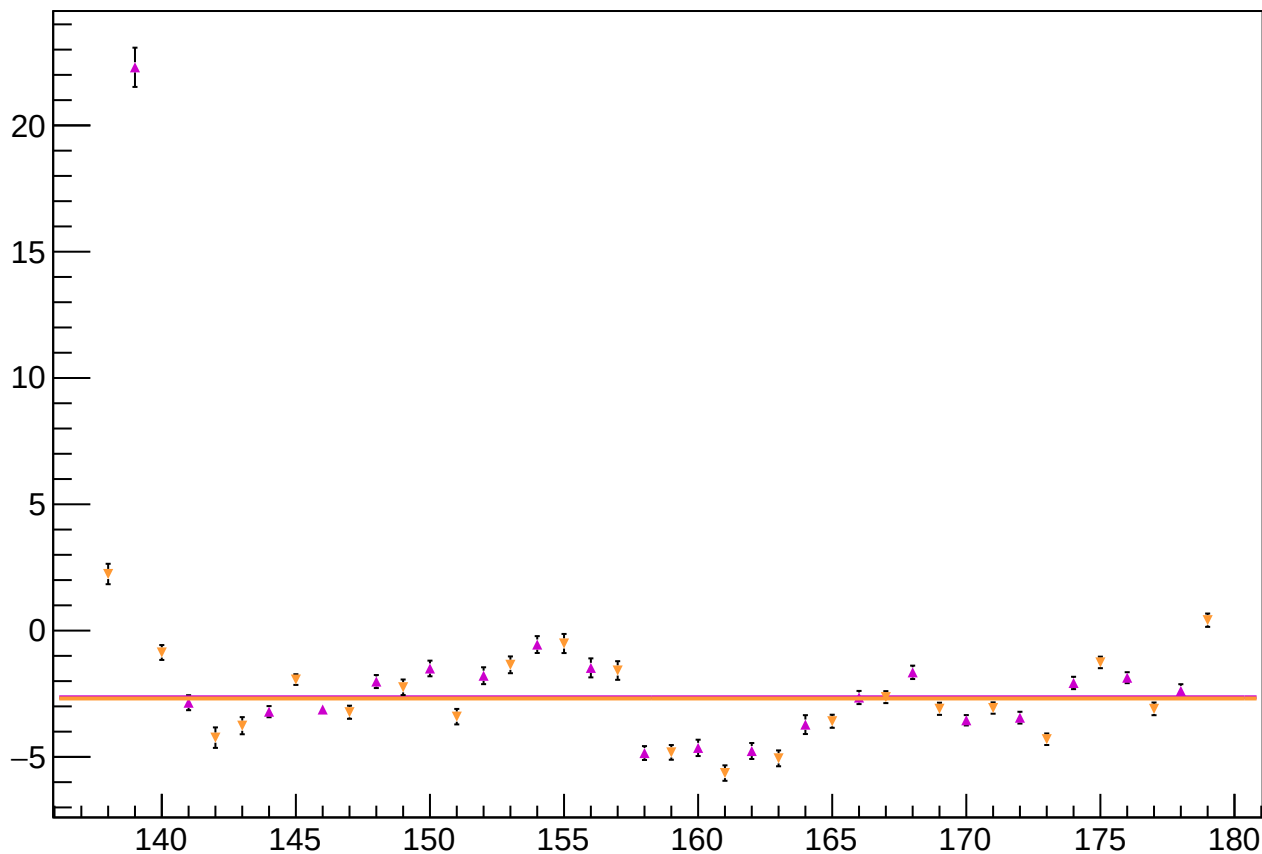
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.858+/-0.077 χ^2/NDF :1741.9/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.677+/-0.078 χ^2/NDF :1565.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.769+/-0.055 χ^2/NDF : 3309.9/41
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

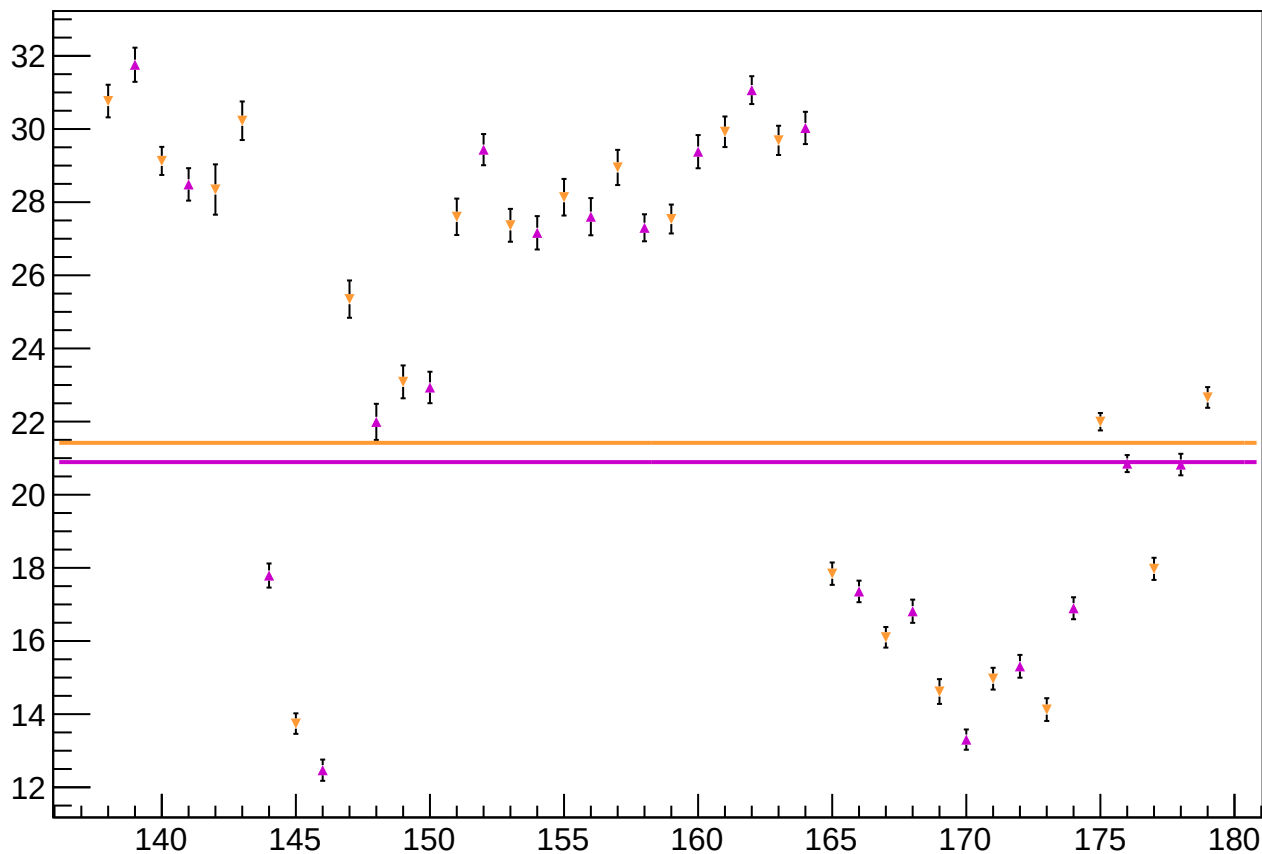
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



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: -2.641 +/- 0.060 χ^2/NDF : 1338.9/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0
- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0
All: -2.664 +/- 0.042 χ^2/NDF : 2083.8/41

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

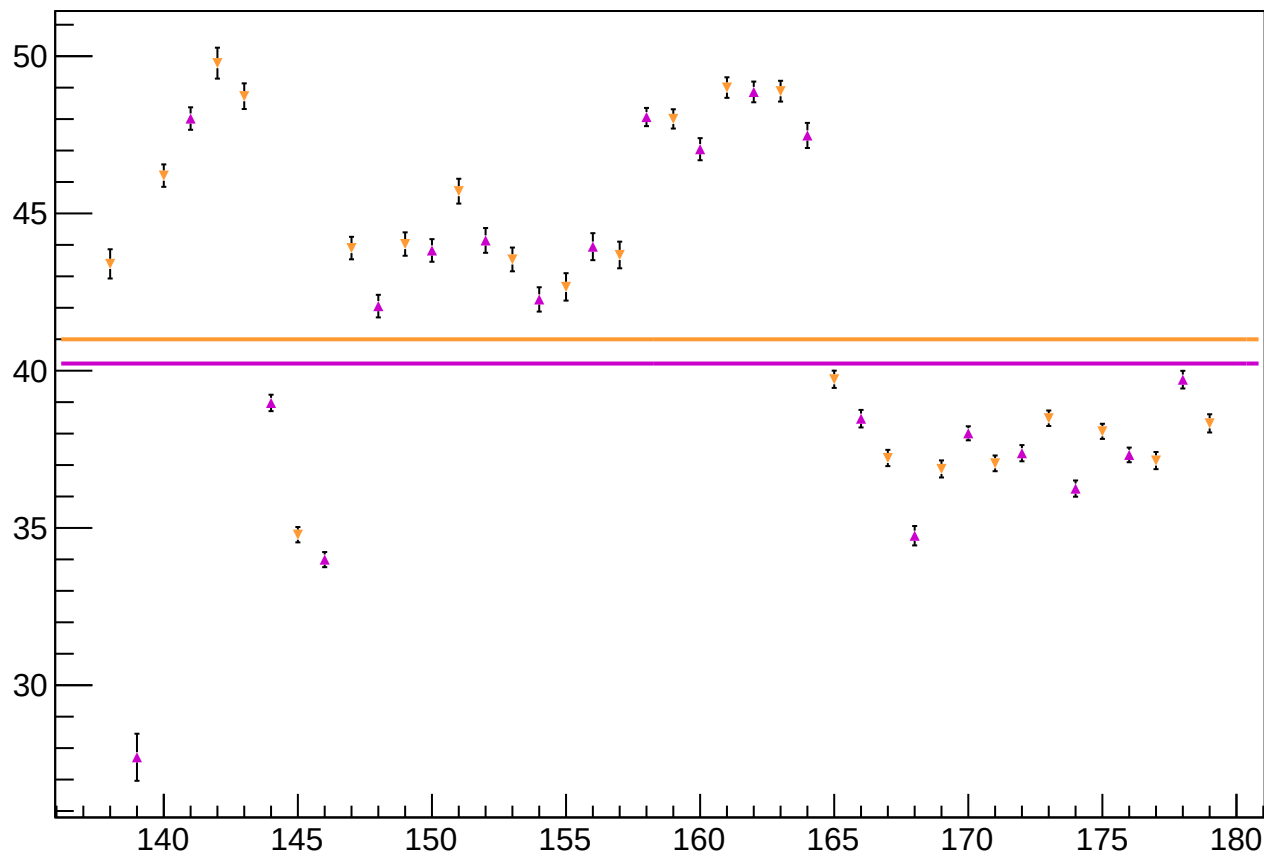
Left In: 20.892+/-0.078 χ^2/NDF : 5909.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21.159+/-0.055 χ^2/NDF : 11883.1/41

- 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

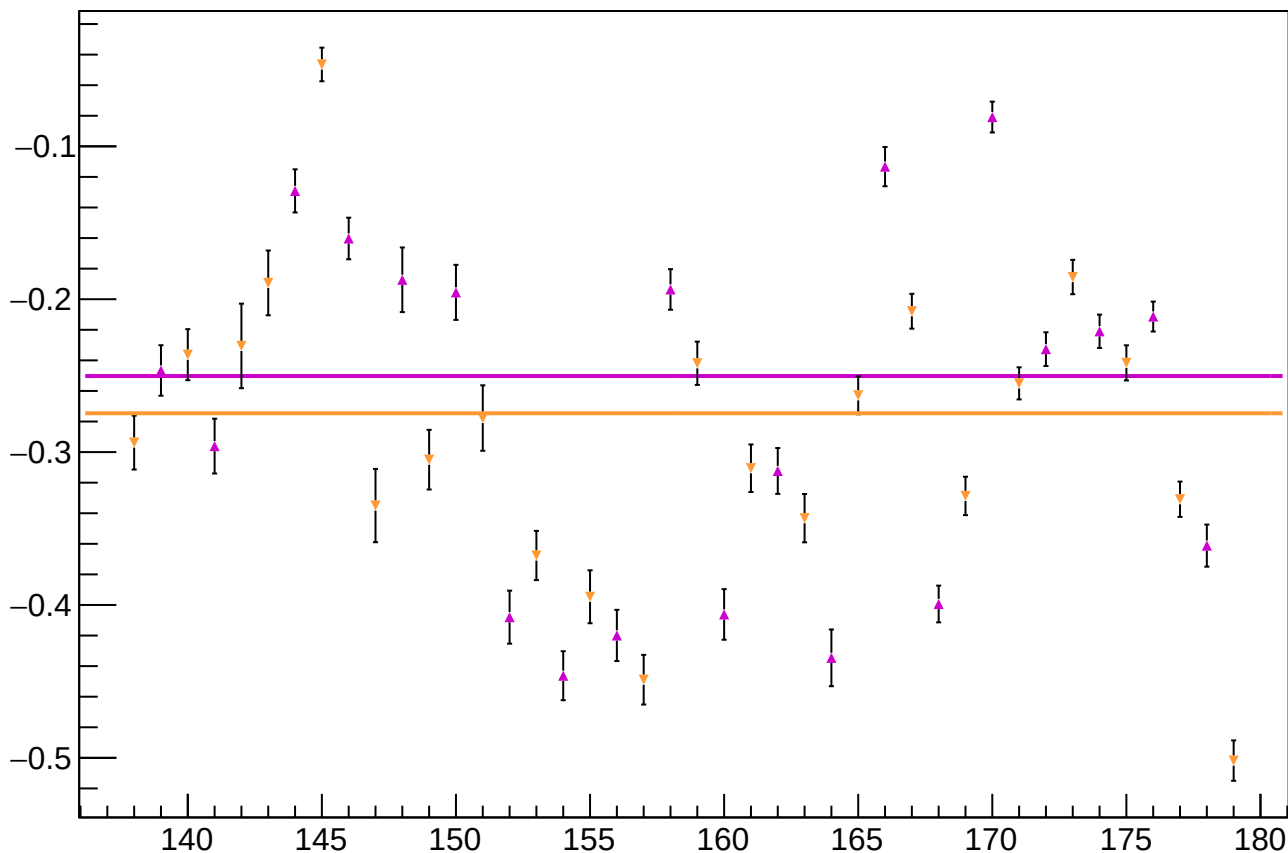
Left In: 40.227+/-0.068 χ^2/NDF : 4875.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 40.621+/-0.048 χ^2/NDF : 9822.6/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

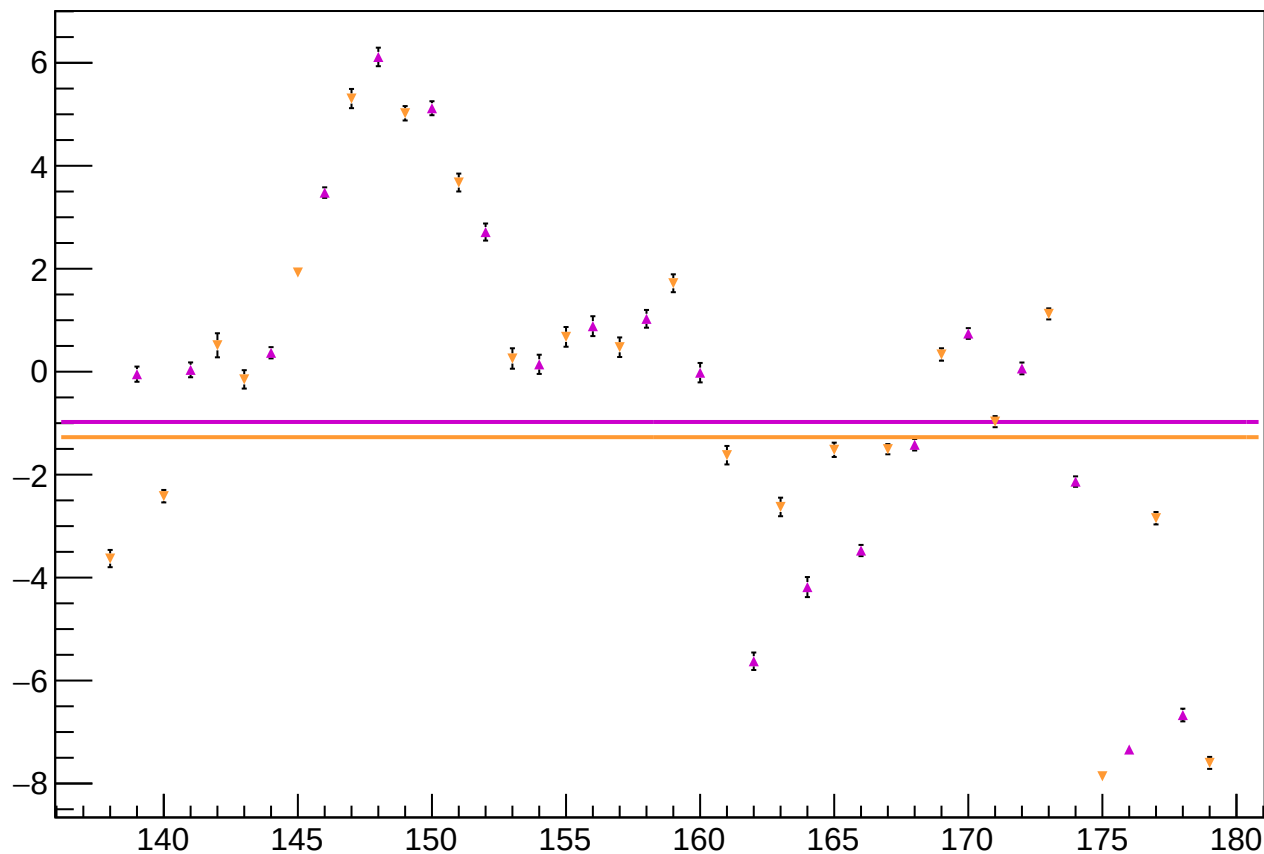
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.275 $\pm$ 0.003 χ^2 /NDF:1139.3/21
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.250 $\pm$ 0.003 χ^2 /NDF:1341.0/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.263 $\pm$ 0.002 χ^2 /NDF: 2511.8/41
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

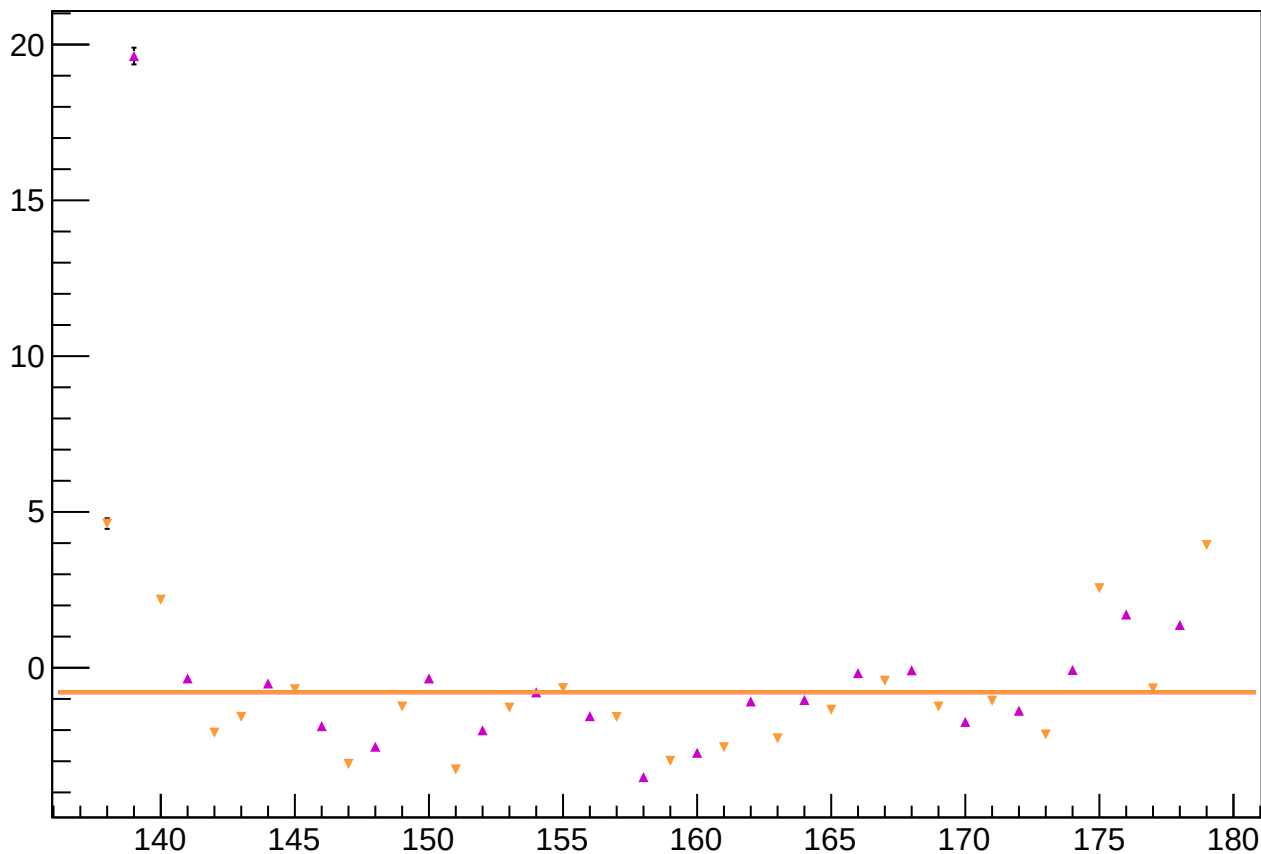
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



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: -0.977 $\pm$ 0.029 χ^2 /NDF:15423.6/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -1.127 $\pm$ 0.020 χ^2 /NDF: 31179.6/41
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

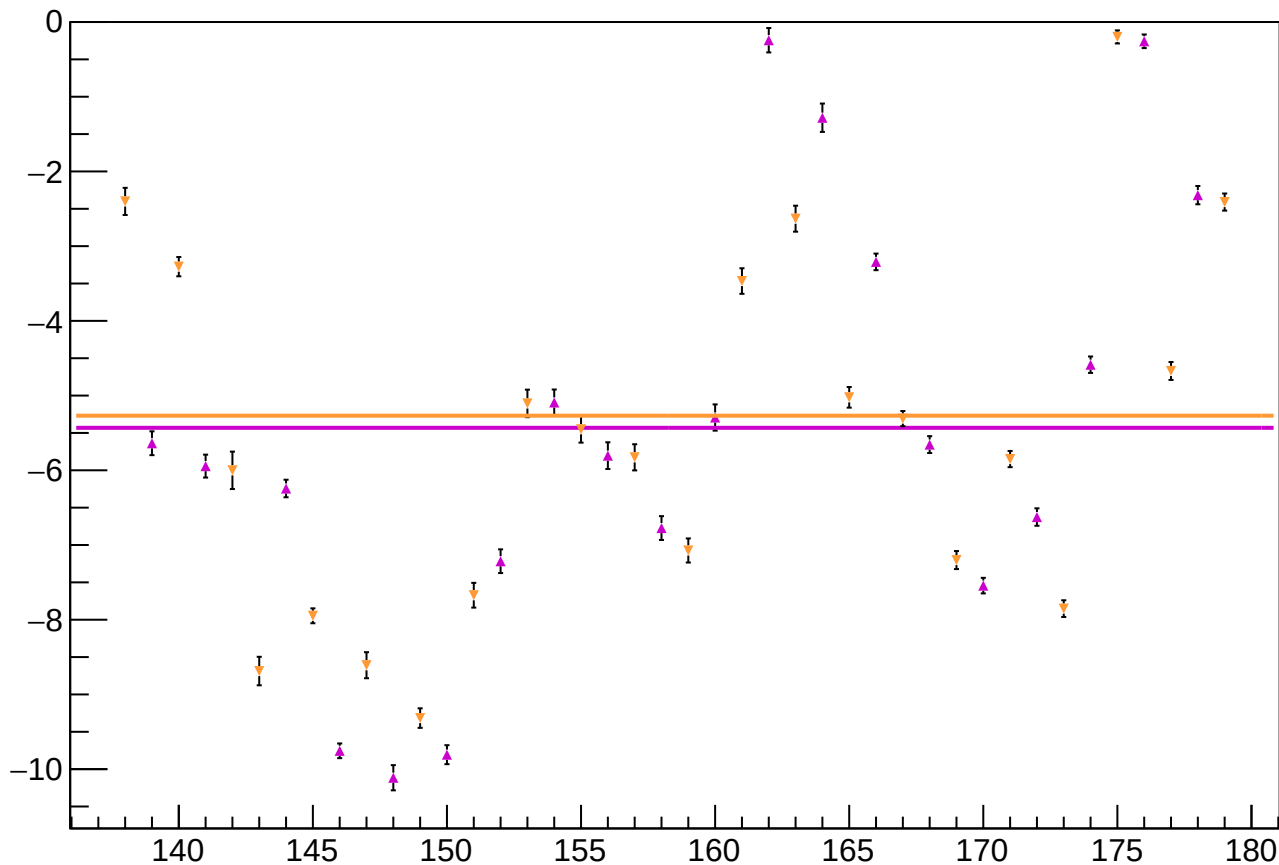
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



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: -0.786 $\pm$ 0.022 χ^2 /NDF: 8944.0/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.784 $\pm$ 0.016 χ^2 /NDF: 16809.3/41
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

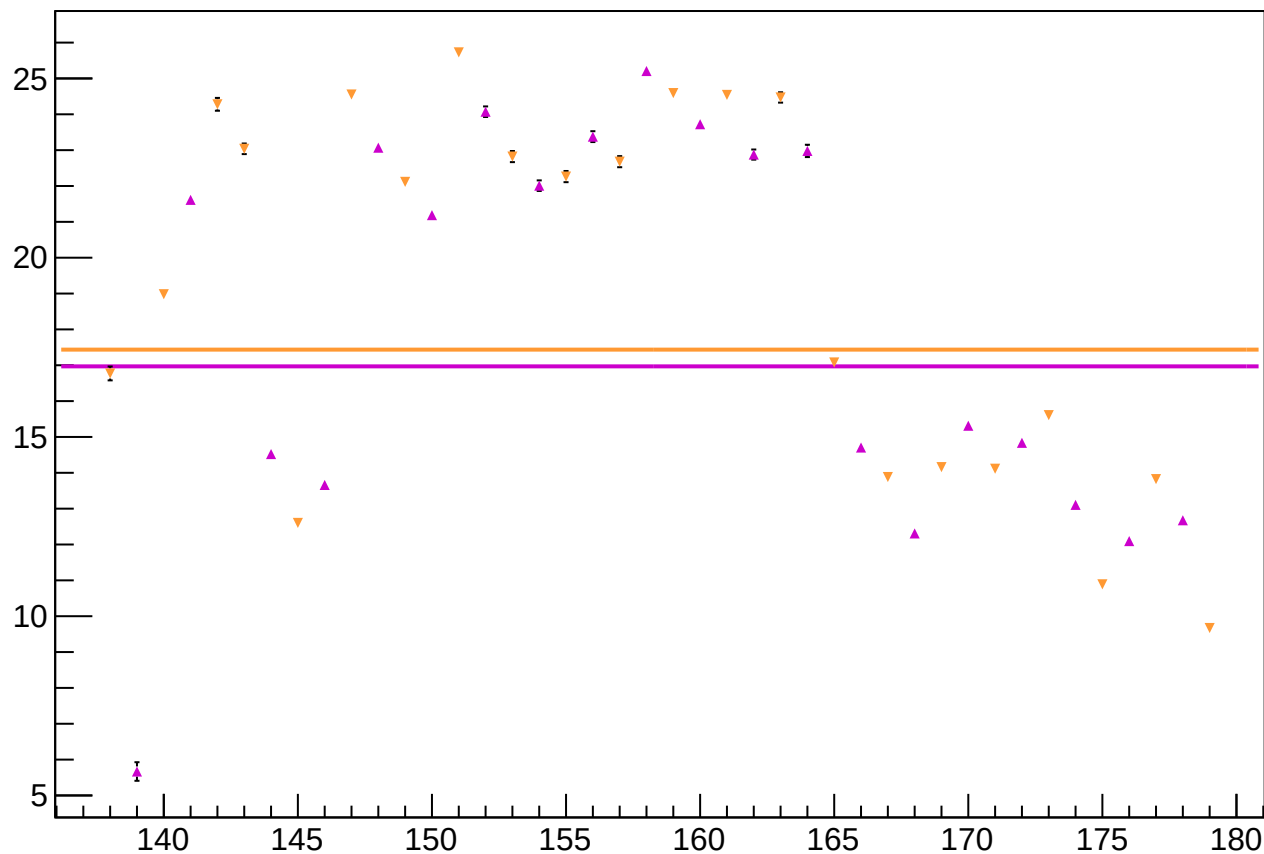
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



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: -5.431 $\pm$ 0.029 χ^2 /NDF:10475.9/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -5.349 $\pm$ 0.020 χ^2 /NDF: 18867.3/41
 - 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 17.436 $\pm$ 0.025 χ^2 /NDF:42369.6/21

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

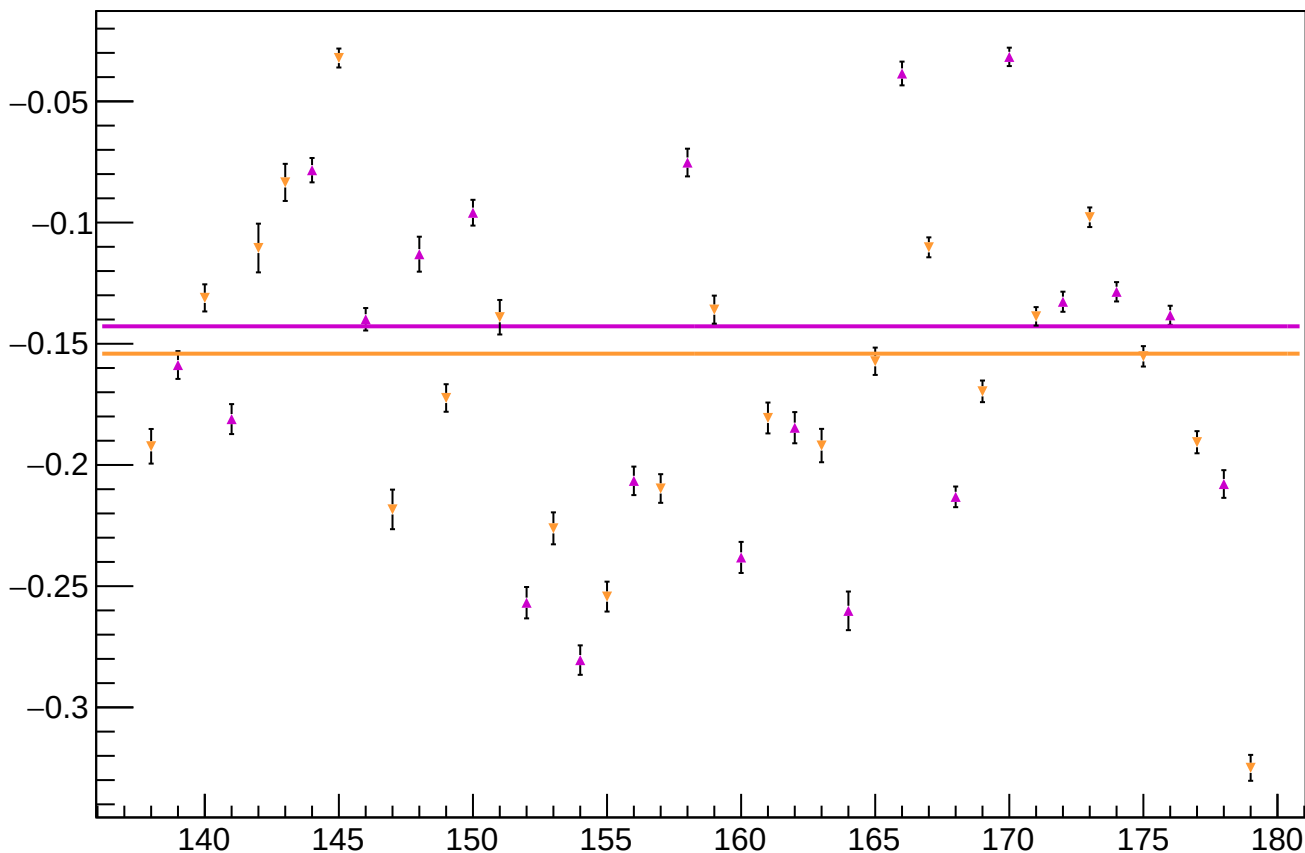
Left In: 16.969 $\pm$ 0.025 χ^2 /NDF:33612.2/19

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

All: 17.207 $\pm$ 0.018 χ^2 /NDF: 76154.9/41

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

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.154+/-0.001 χ^2/NDF : 3152.2/21

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

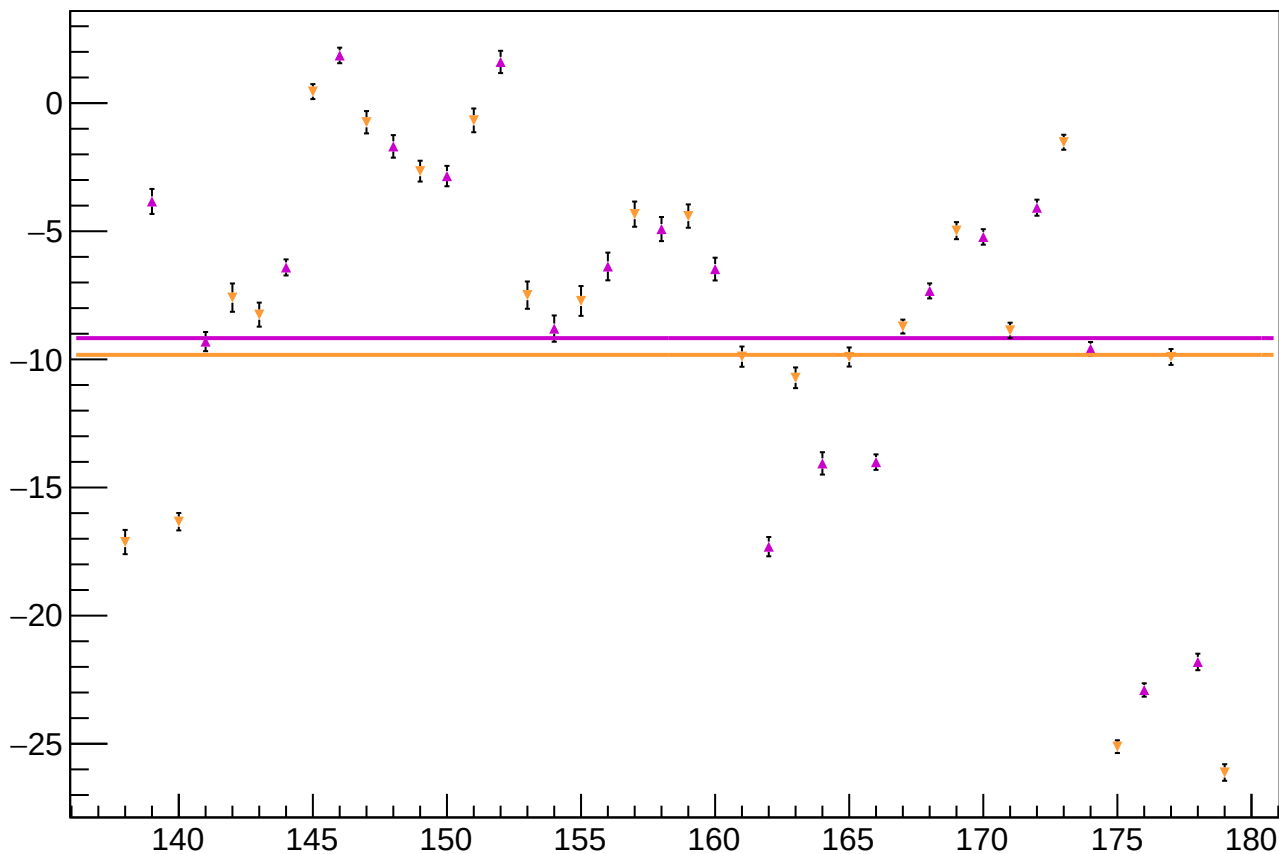
Left In: -0.143+/-0.001 χ^2/NDF : 3600.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.149+/-0.001 χ^2/NDF : 6801.2/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

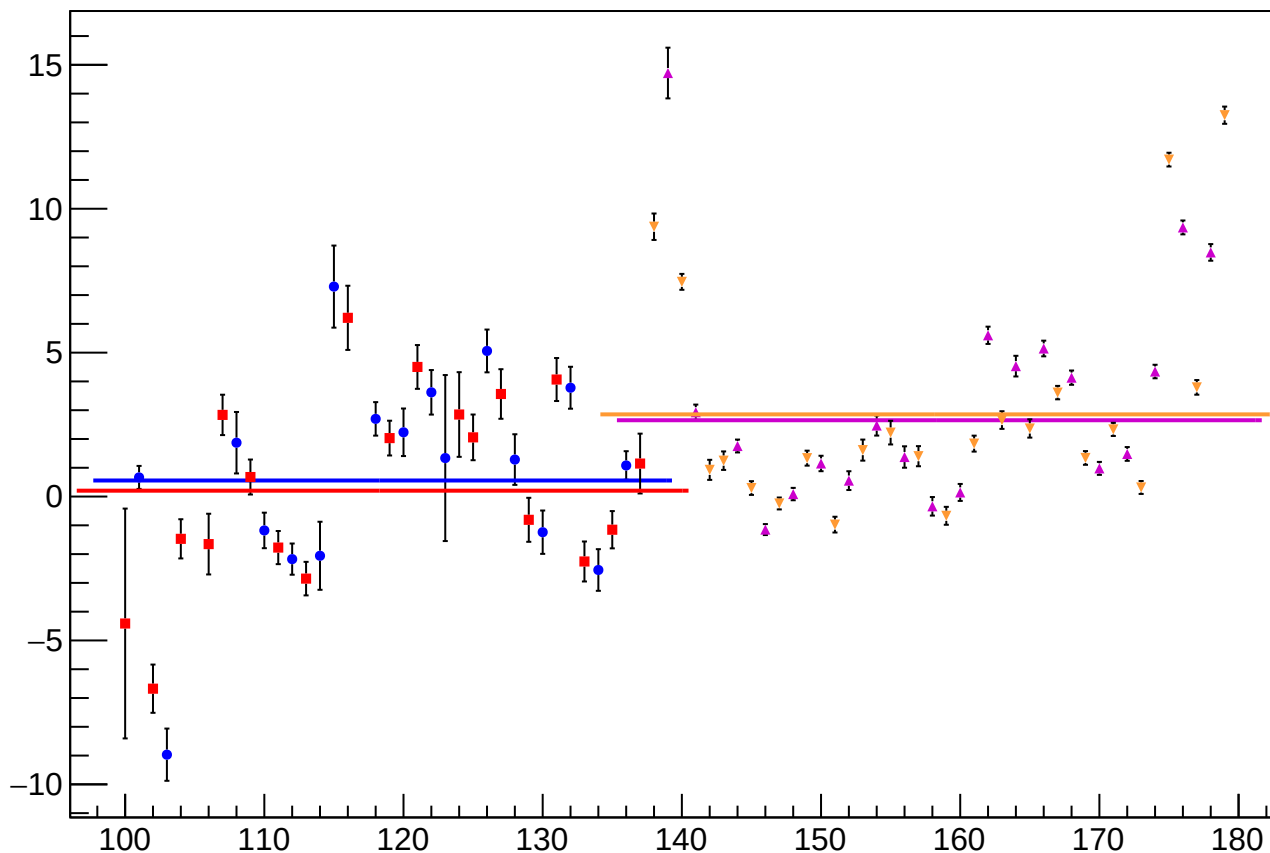
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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: -9.171+/-0.079 χ^2/NDF : 8448.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -9.502+/-0.055 χ^2/NDF : 19128.6/41
 - 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

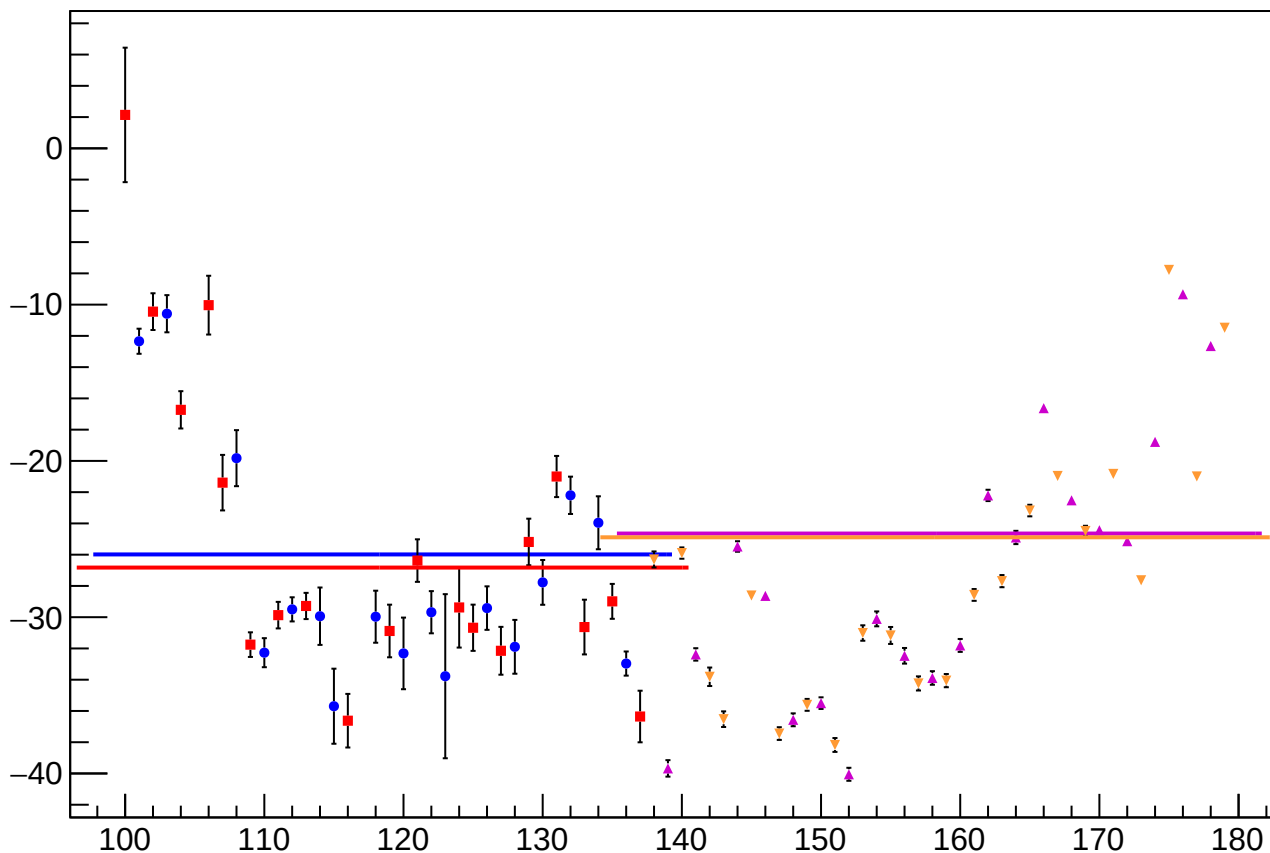
Left In: 2.651 ± 0.060 χ^2/NDF : 2537.4/19

+ sign 2.610 ± 0.056 χ^2/NDF : 4502.6/38

All: 2.504 ± 0.040 χ^2/NDF : 7495.2/77

- sign 2.392 ± 0.057 χ^2/NDF : 2985.1/38

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

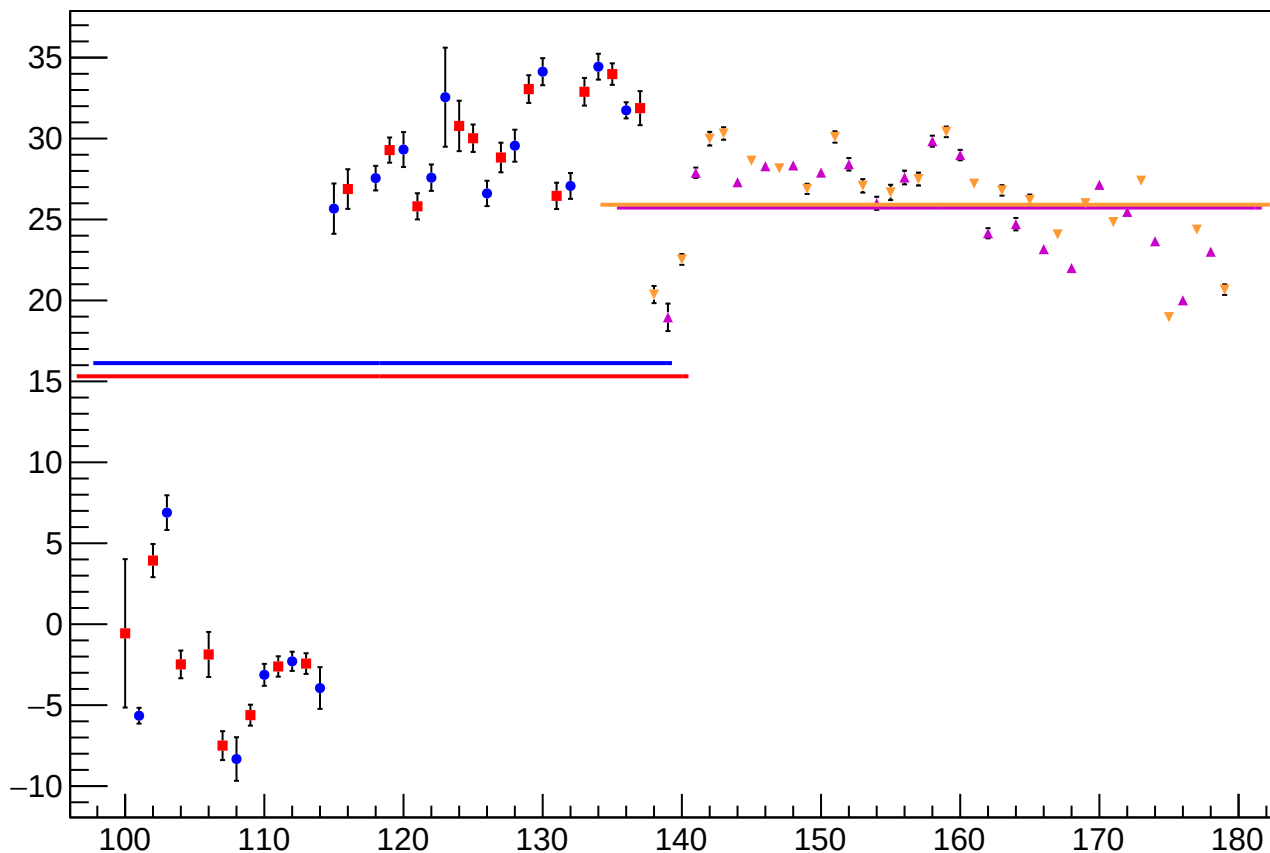
Left In: -24.648 ± 0.079 χ^2/NDF : 11670.7/19

+ sign -24.957 ± 0.075 χ^2/NDF : 12719.3/38

All: -24.875 ± 0.054 χ^2/NDF : 25024.0/77

- sign -24.790 ± 0.076 χ^2/NDF : 12302.3/38

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

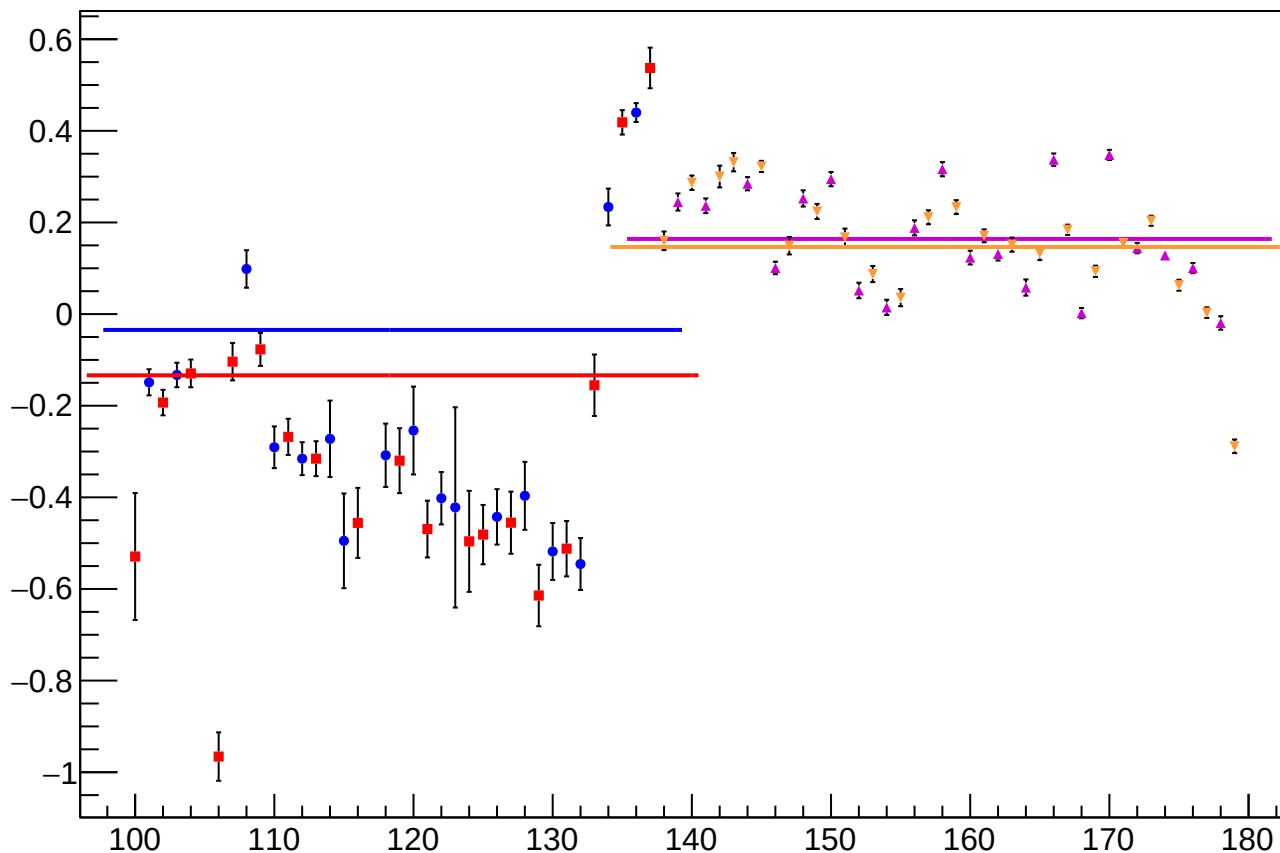
Left In: 25.735 $\pm$ 0.068 χ^2 /NDF:1647.6/19

+ sign 24.858 $\pm$ 0.063 χ^2 /NDF: 12032.7/38

All: 24.742 $\pm$ 0.045 χ^2 /NDF: 23463.4/77

- sign 24.620 $\pm$ 0.064 χ^2 /NDF: 11423.7/38

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

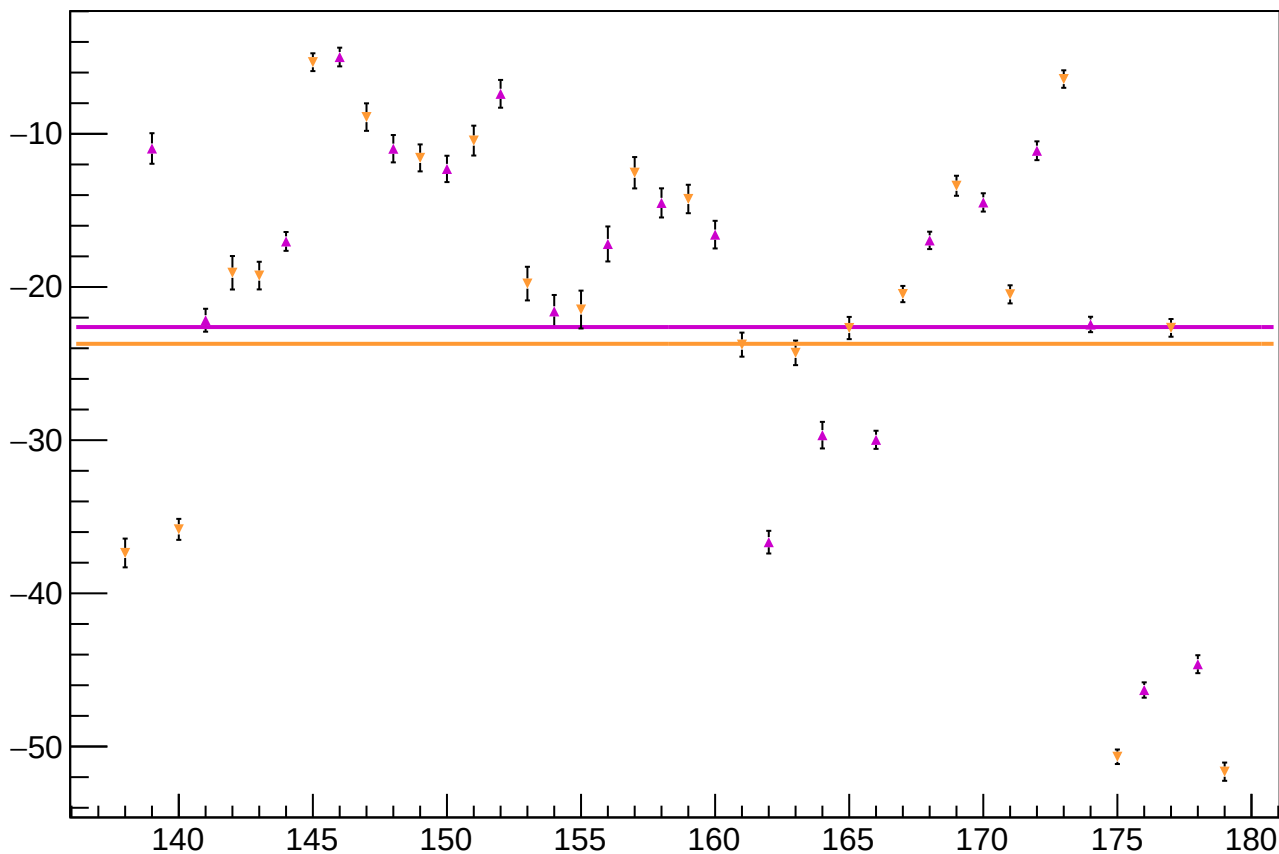
Left In: 0.164 ± 0.003 χ^2/NDF : 1341.9/19

+ sign 0.132 ± 0.003 χ^2/NDF : 2943.2/38

All: 0.135 ± 0.002 χ^2/NDF : 6205.0/77

- sign 0.139 ± 0.003 χ^2/NDF : 3258.6/38

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

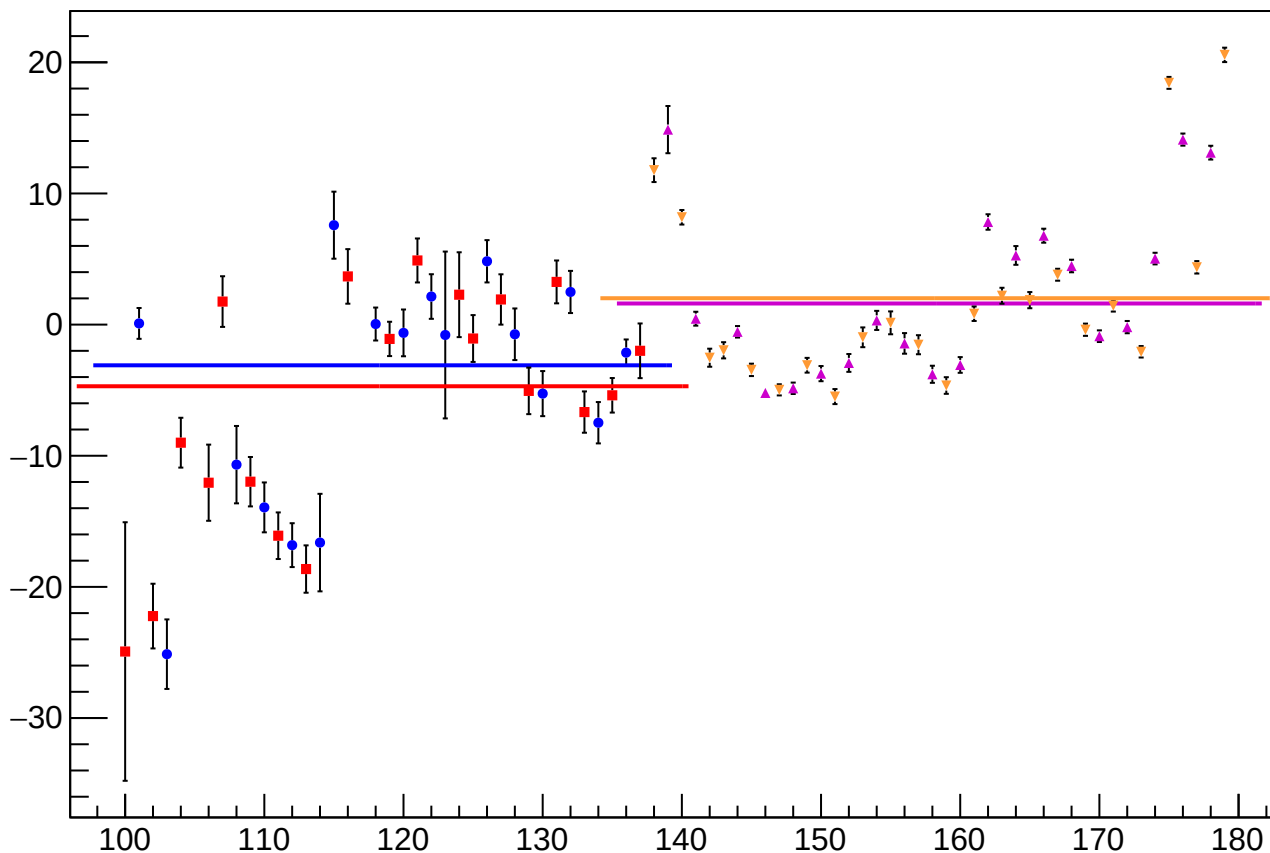
Left In: -22.615+/-0.156 χ^2/NDF : 6655.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -23.170+/-0.109 χ^2/NDF : 15801.4/41

- 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

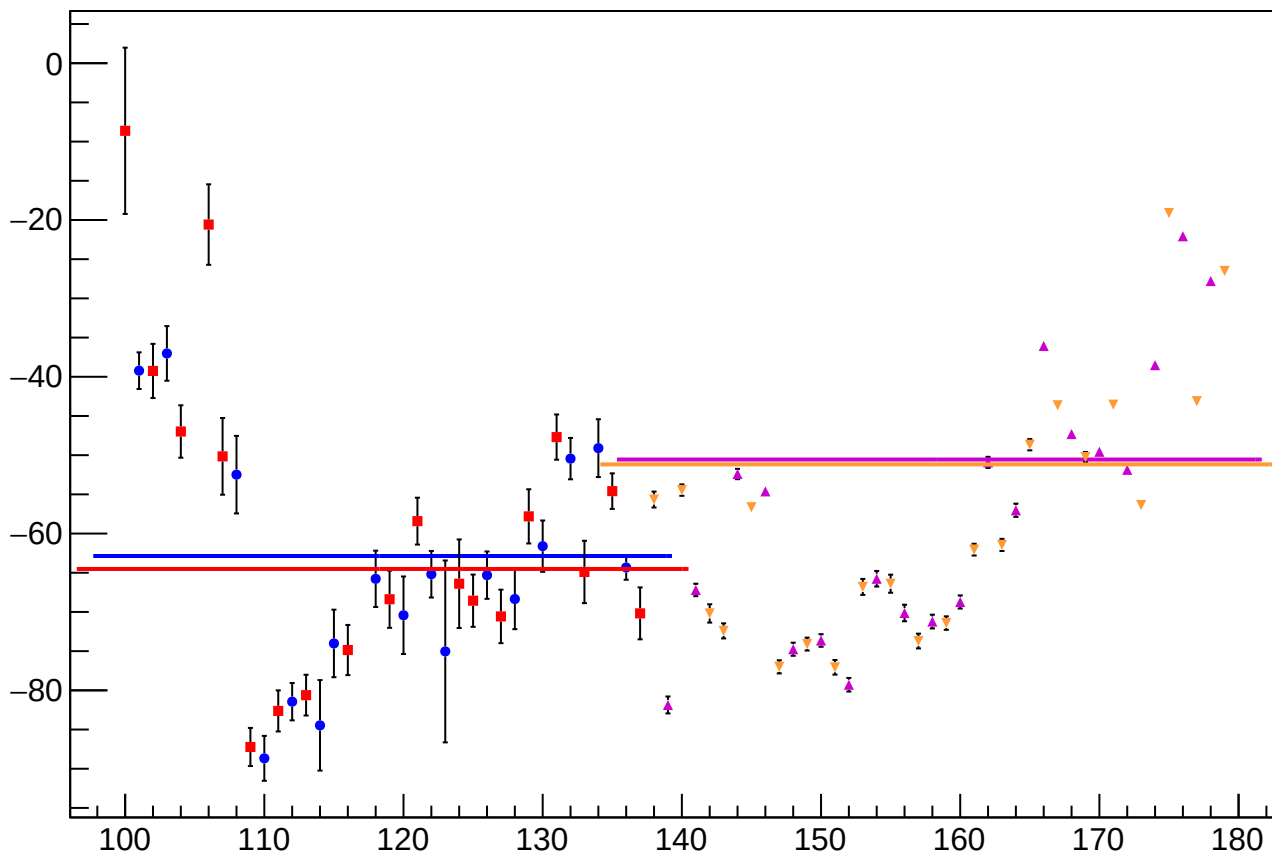
Left In: 1.610 ± 0.119 χ^2/NDF : 2490.4/19

+ sign 1.631 ± 0.112 χ^2/NDF : 4159.2/38

All: 1.398 ± 0.080 χ^2/NDF : 7159.2/77

- sign 1.156 ± 0.114 χ^2/NDF : 2991.2/38

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

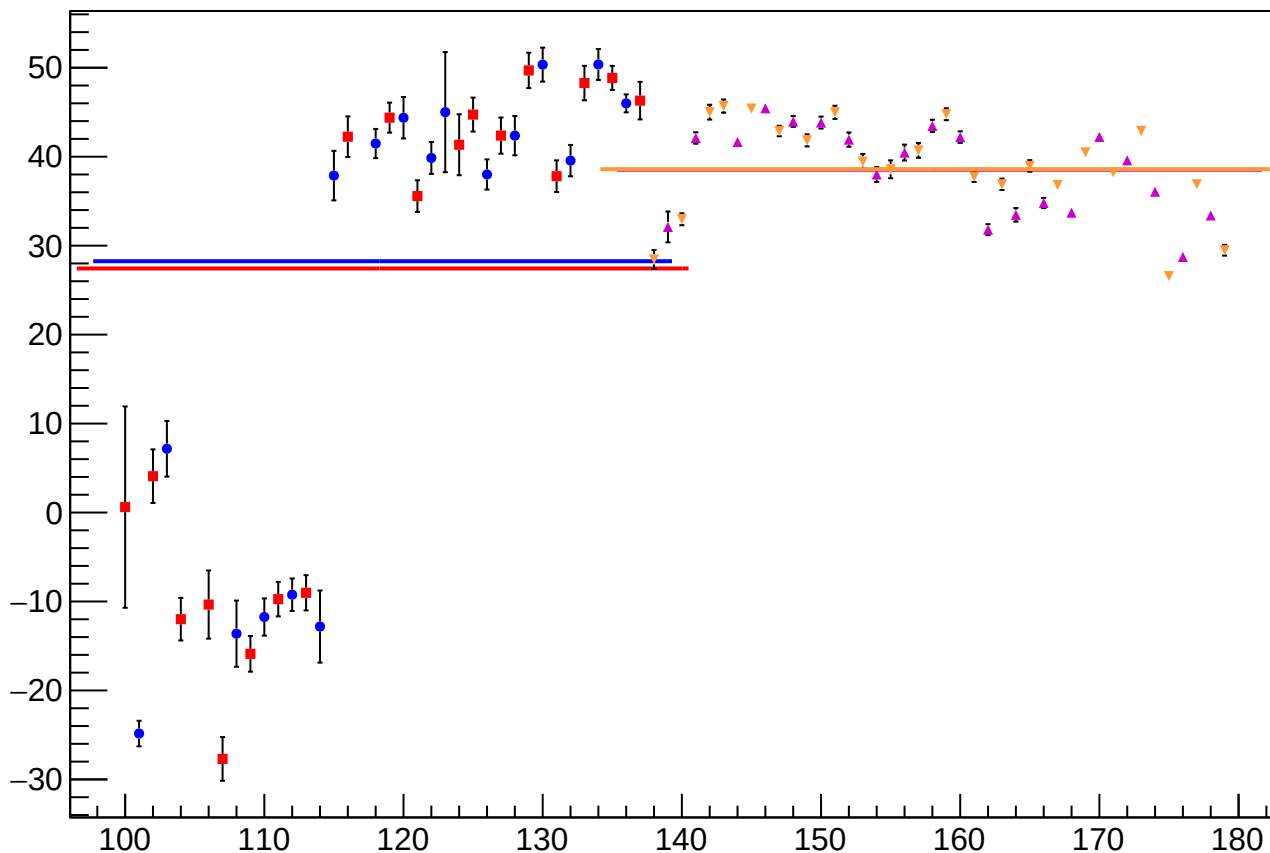
Left In: -50.556 ± 0.155 χ^2/NDF : 11679.8/19

+ sign -51.657 ± 0.150 χ^2/NDF : 12853.9/38

All: -51.397 ± 0.107 χ^2/NDF : 25314.8/77

- sign -51.128 ± 0.152 χ^2/NDF : 12454.7/38

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

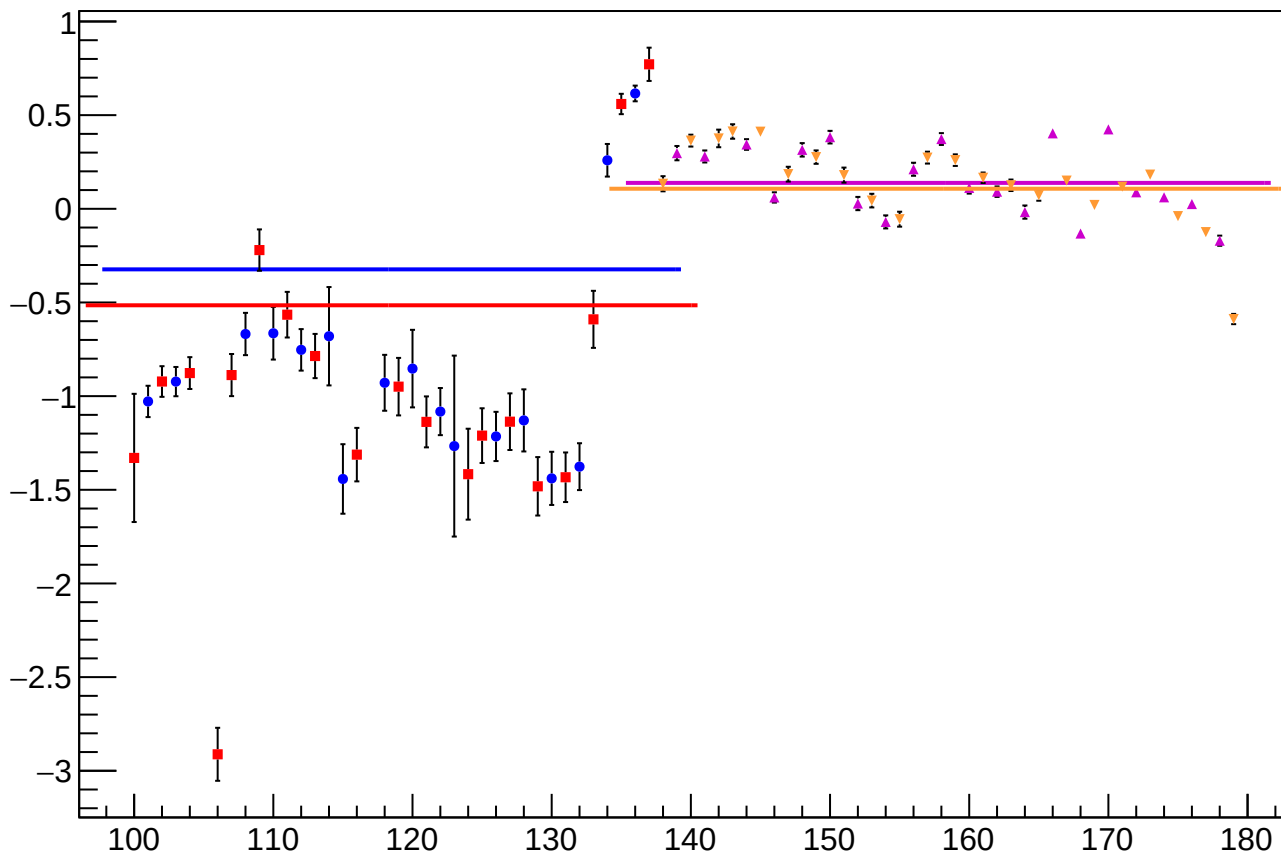
Left In: 38.527 $\pm$ 0.135 χ^2 /NDF:1386.8/19

+ sign 37.809 $\pm$ 0.127 χ^2 /NDF: 5491.4/38

All: 37.762 $\pm$ 0.091 χ^2 /NDF: 10408.3/77

- sign 37.713 $\pm$ 0.130 χ^2 /NDF: 4916.6/38

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.107 ± 0.006 χ^2/NDF : 1254.9/21

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

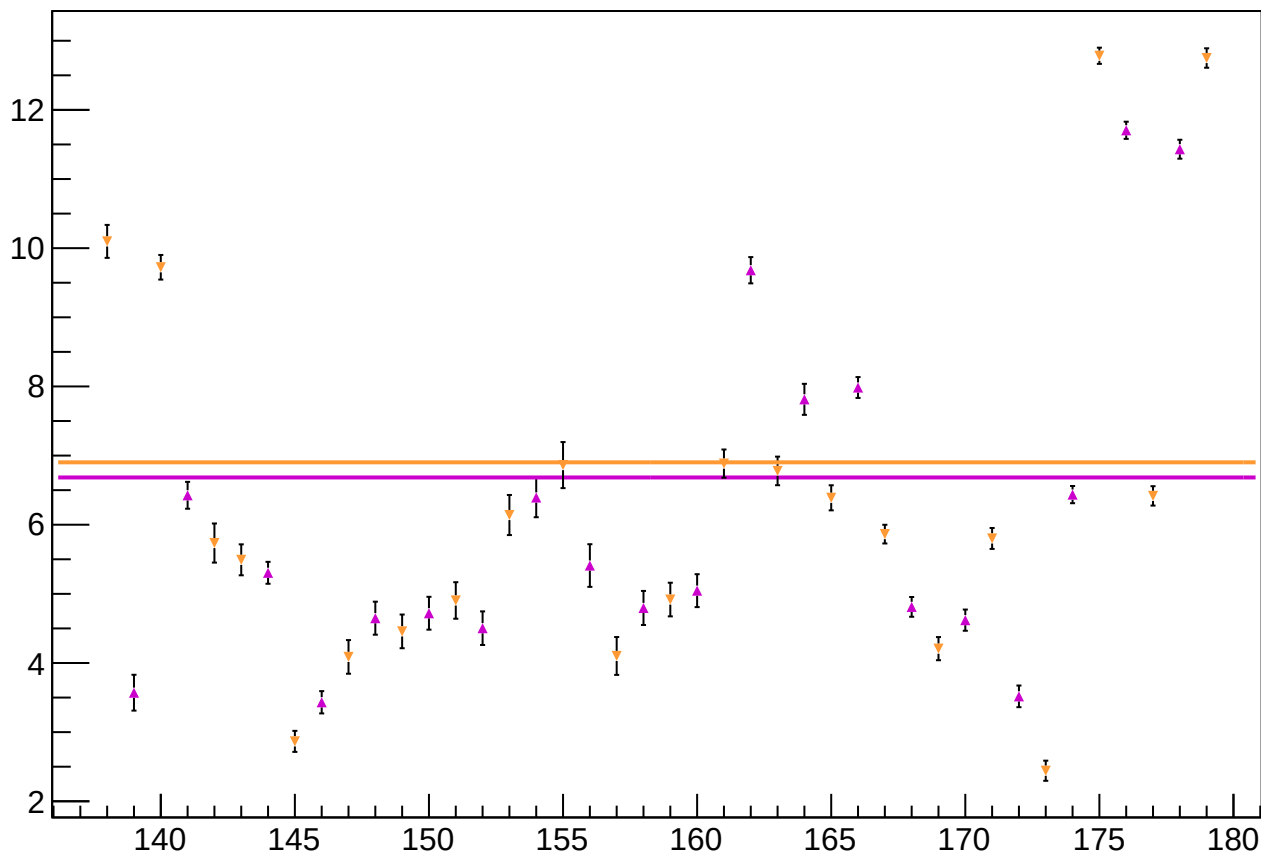
Left In: 0.138 ± 0.006 χ^2/NDF : 903.8/19

+ sign 0.083 ± 0.006 χ^2/NDF : 2546.5/38

All: 0.093 ± 0.004 χ^2/NDF : 5225.1/77

- sign 0.103 ± 0.006 χ^2/NDF : 2673.1/38

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



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

Left Out: 6.902 $\pm$ 0.039 χ^2 /NDF:7242.4/21

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

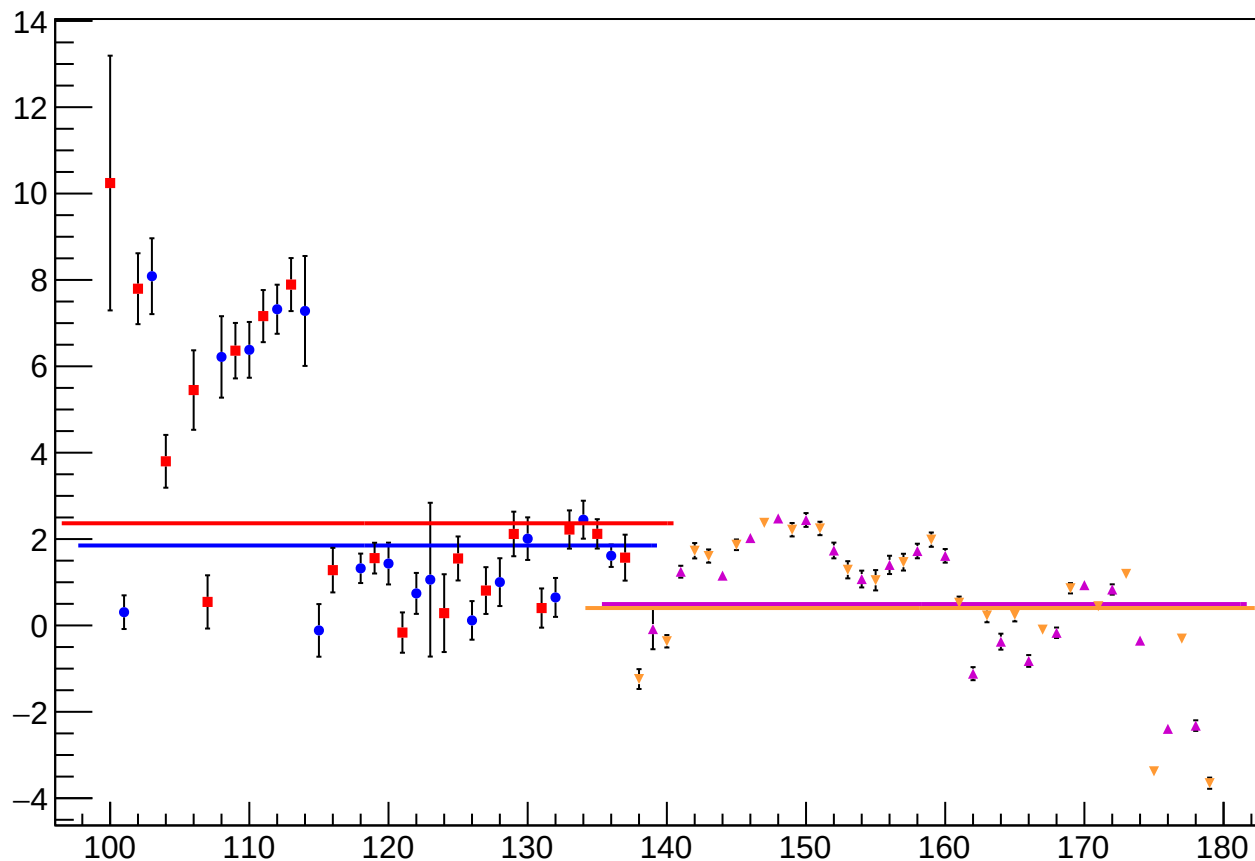
Left In: 6.683 $\pm$ 0.040 χ^2 /NDF:4927.9/19

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

All: 6.795 $\pm$ 0.028 χ^2 /NDF: 12185.8/41

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

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 0.403 ± 0.030 χ^2/NDF : 3294.7/21

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

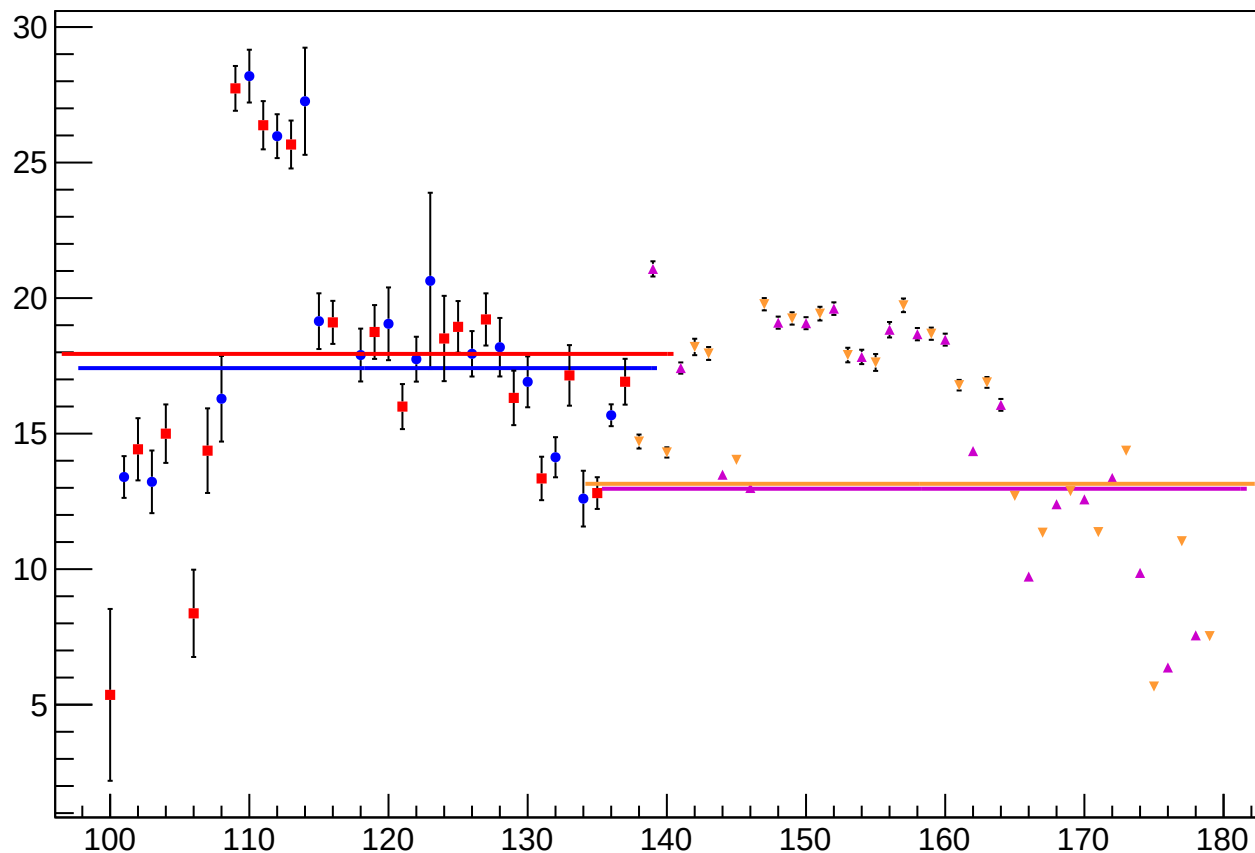
Left In: 0.495 ± 0.030 χ^2/NDF : 2429.4/19

+ sign 0.491 ± 0.029 χ^2/NDF : 3732.3/38

All: 0.547 ± 0.021 χ^2/NDF : 6724.6/77

- sign 0.604 ± 0.030 χ^2/NDF : 2984.8/38

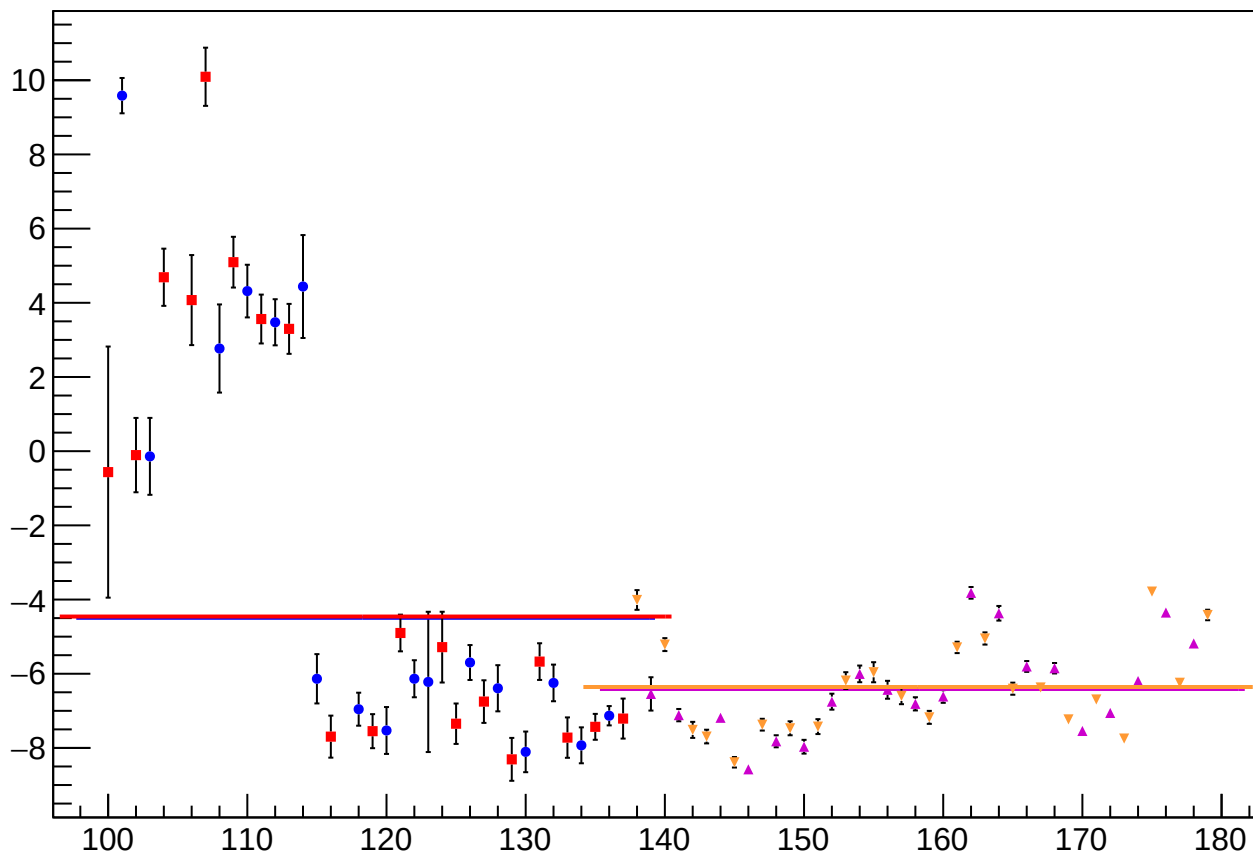
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16
 Left Out: 13.149 $\pm$ 0.039 χ^2 /NDF: 11792.1/21
 Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18
 Left In: 12.966 $\pm$ 0.040 χ^2 /NDF: 11356.6/19

+ sign 13.288 $\pm$ 0.038 χ^2 /NDF: 12549.0/38
 All: 13.207 $\pm$ 0.027 χ^2 /NDF: 24919.3/77
 - sign 13.124 $\pm$ 0.039 χ^2 /NDF: 12361.3/38

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

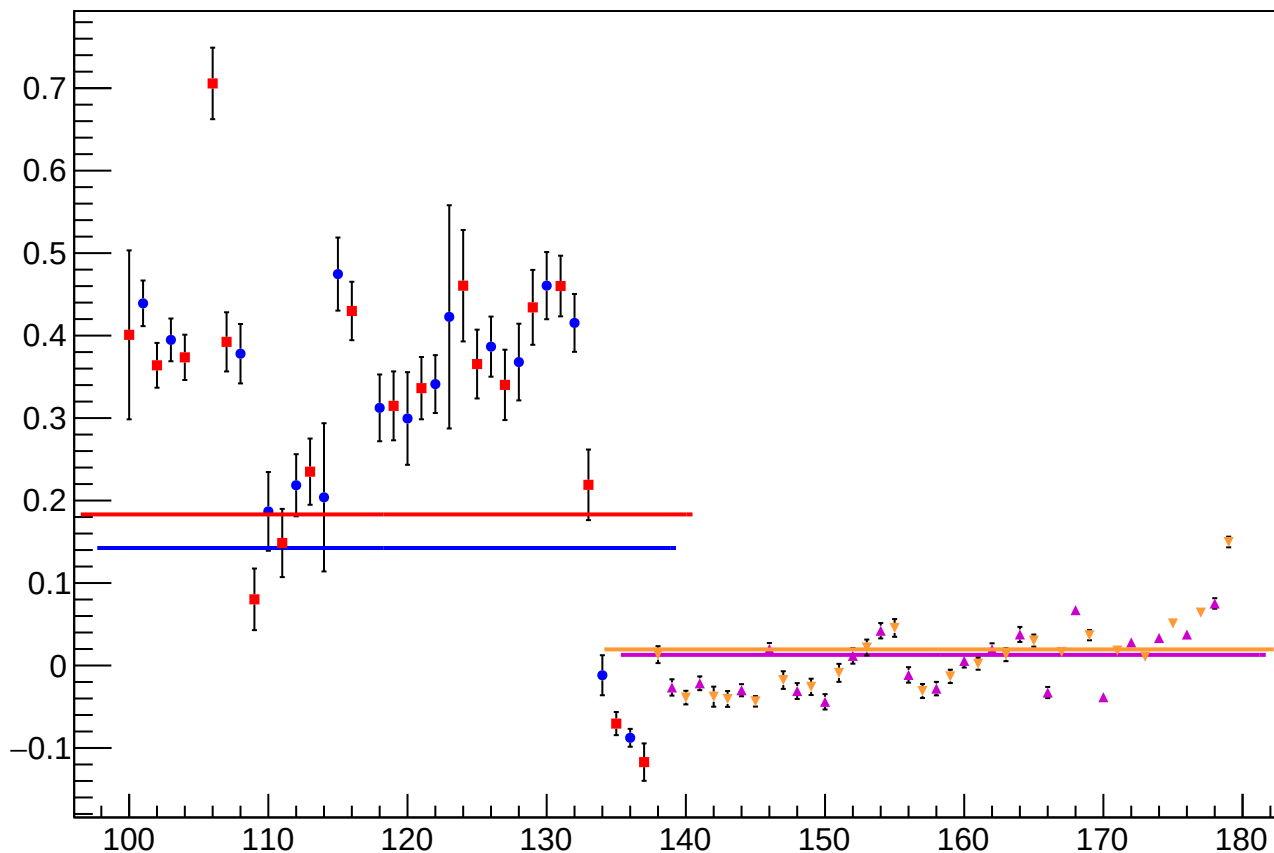
Left In: -6.411 ± 0.035 χ^2/NDF : 1405.6/19

+ sign -6.240 ± 0.033 χ^2/NDF : 3272.2/38

All: -6.267 ± 0.023 χ^2/NDF : 6209.1/77

- sign -6.294 ± 0.033 χ^2/NDF : 2935.6/38

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: 0.020 ± 0.002 χ^2/NDF : 836.3/21

Right Out: 0.183 ± 0.007 χ^2/NDF : 1000.9/18

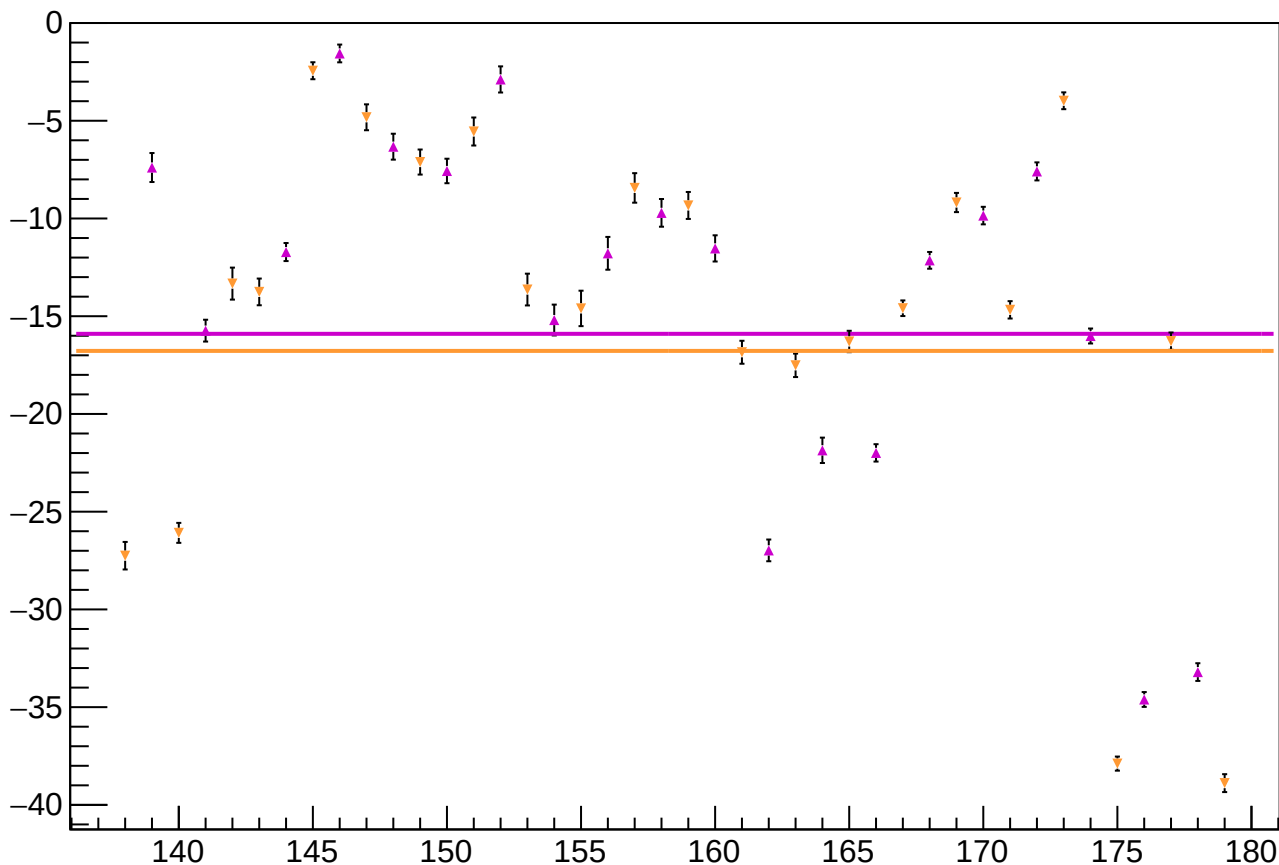
Left In: 0.013 ± 0.002 χ^2/NDF : 546.2/19

+ sign 0.025 ± 0.002 χ^2/NDF : 2183.5/38

All: 0.023 ± 0.001 χ^2/NDF : 4241.0/77

- sign 0.020 ± 0.002 χ^2/NDF : 2052.4/38

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

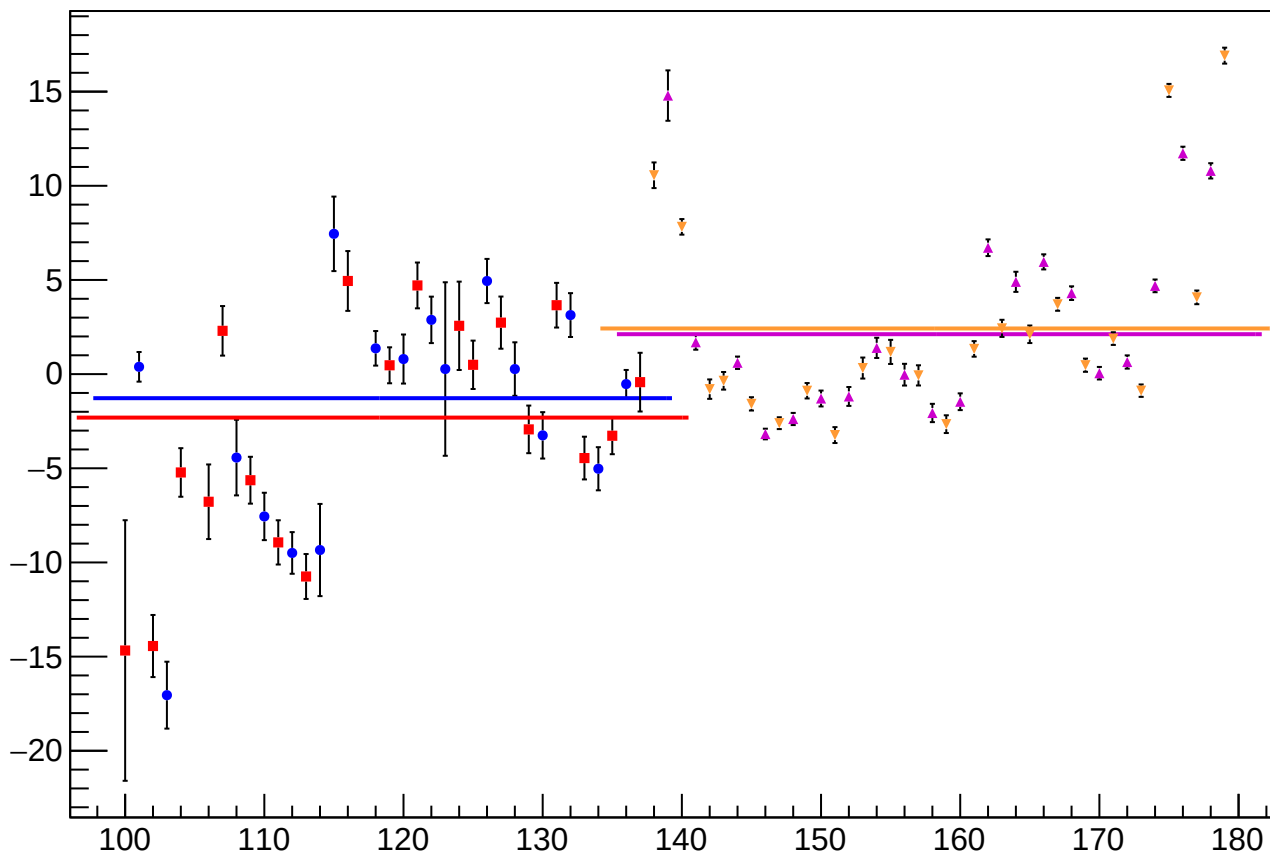
Left In: -15.901+/-0.117 χ^2/NDF : 7260.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -16.344+/-0.082 χ^2/NDF : 16968.7/41

- 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

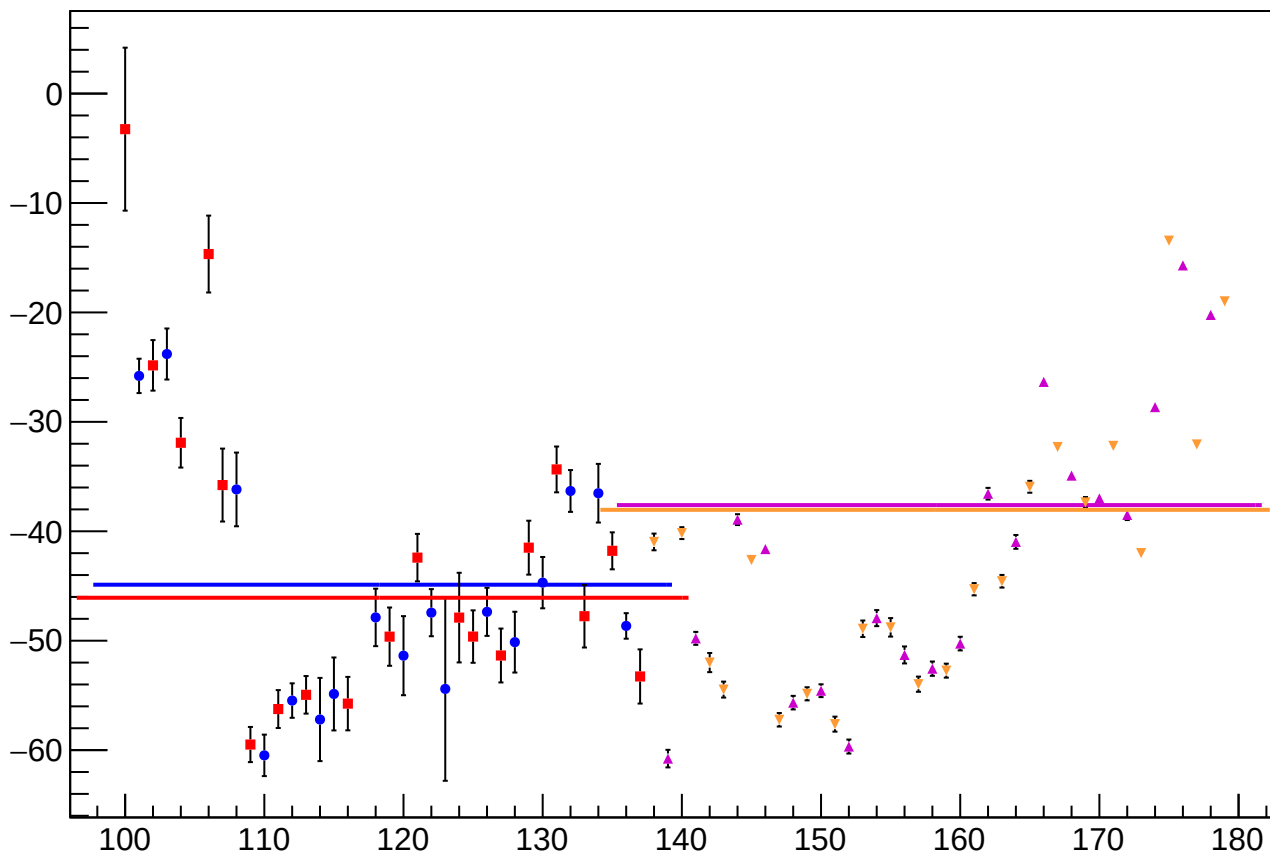
Left In: 2.120 ± 0.089 χ^2/NDF : 2505.3/19

+ sign 2.120 ± 0.084 χ^2/NDF : 4280.0/38

All: 1.947 ± 0.060 χ^2/NDF : 7276.8/77

- sign 1.766 ± 0.085 χ^2/NDF : 2988.0/38

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

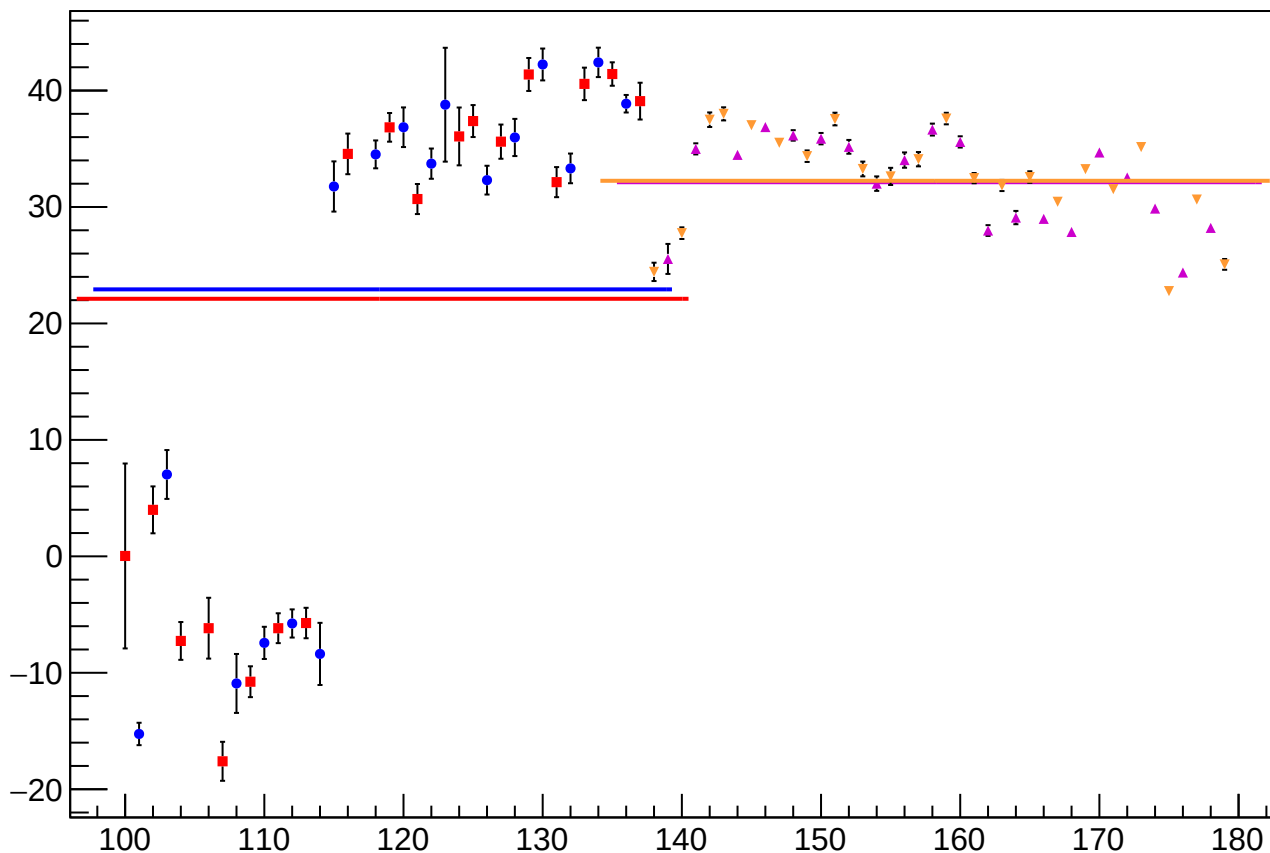
Left In: -37.606 ± 0.117 χ^2/NDF : 11712.8/19

+ sign -38.354 ± 0.112 χ^2/NDF : 12827.9/38

All: -38.179 ± 0.080 χ^2/NDF : 25244.7/77

- sign -37.999 ± 0.114 χ^2/NDF : 12411.9/38

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

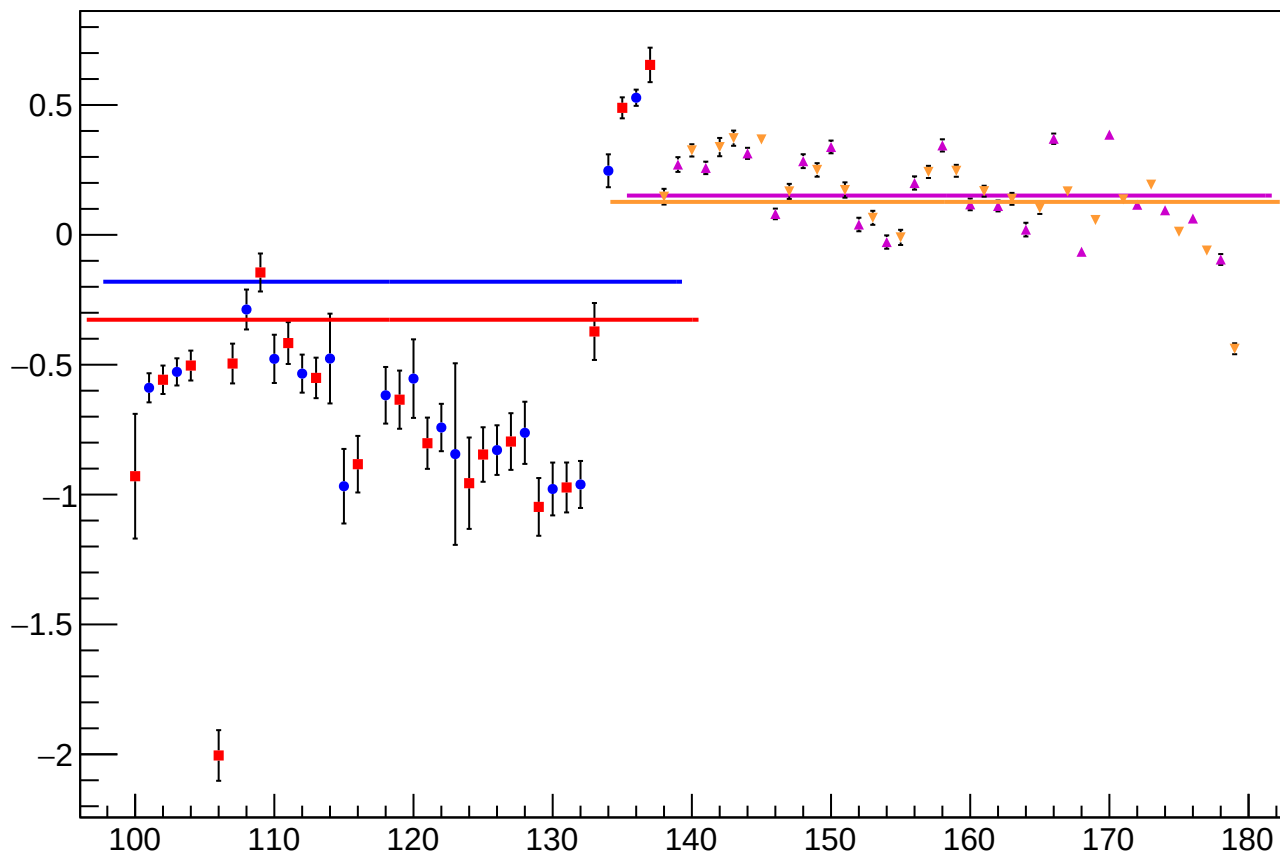
Left In: 32.127 $\pm$ 0.101 χ^2 /NDF:1441.8/19

+ sign 31.472 $\pm$ 0.095 χ^2 /NDF: 6897.3/38

All: 31.394 $\pm$ 0.068 χ^2 /NDF: 13170.5/77

- sign 31.314 $\pm$ 0.097 χ^2 /NDF: 6271.8/38

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

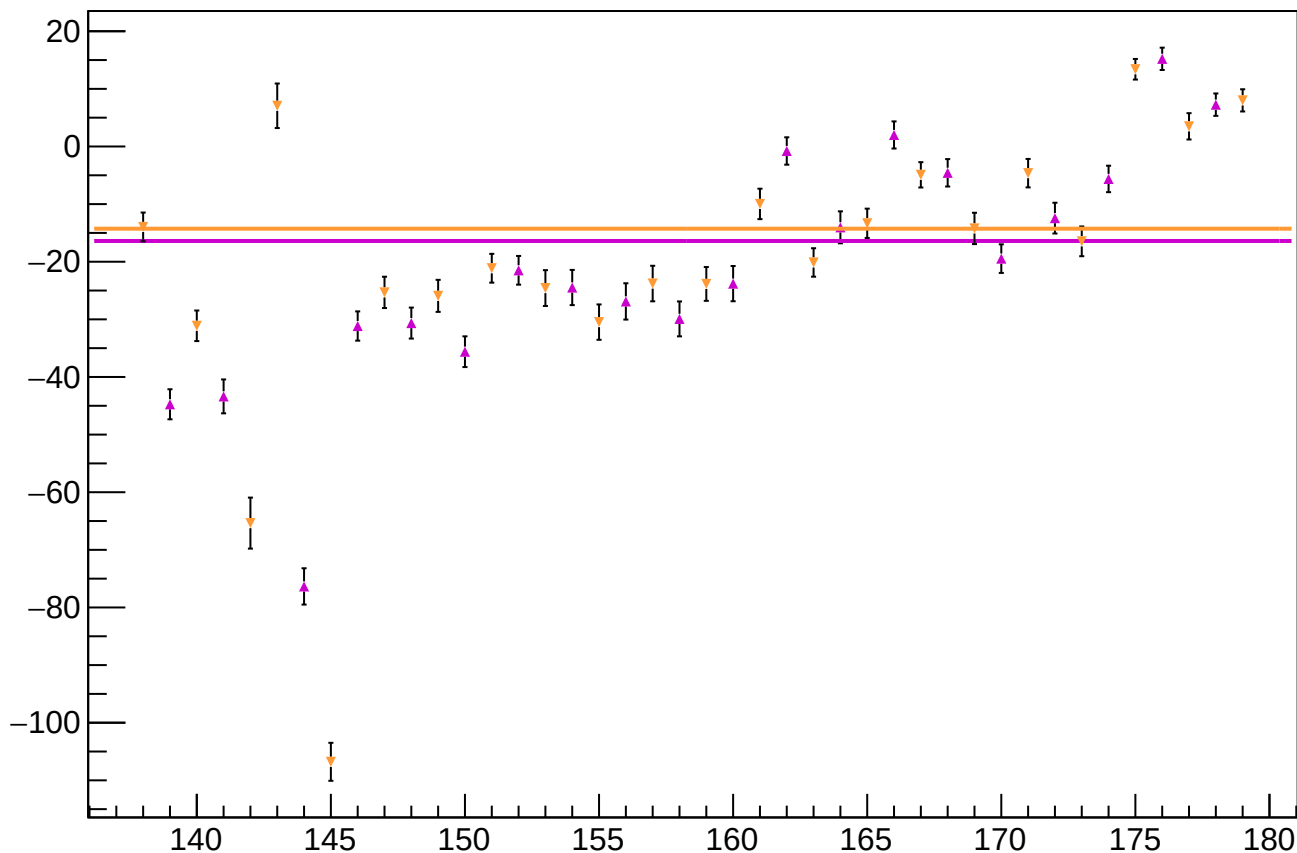
Left In: 0.151 ± 0.005 χ^2/NDF : 1044.2/19

+ sign 0.108 ± 0.004 χ^2/NDF : 2669.0/38

All: 0.115 ± 0.003 χ^2/NDF : 5542.0/77

- sign 0.122 ± 0.004 χ^2/NDF : 2867.8/38

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -14.267+/-0.554 χ^2/NDF :1568.4/21

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

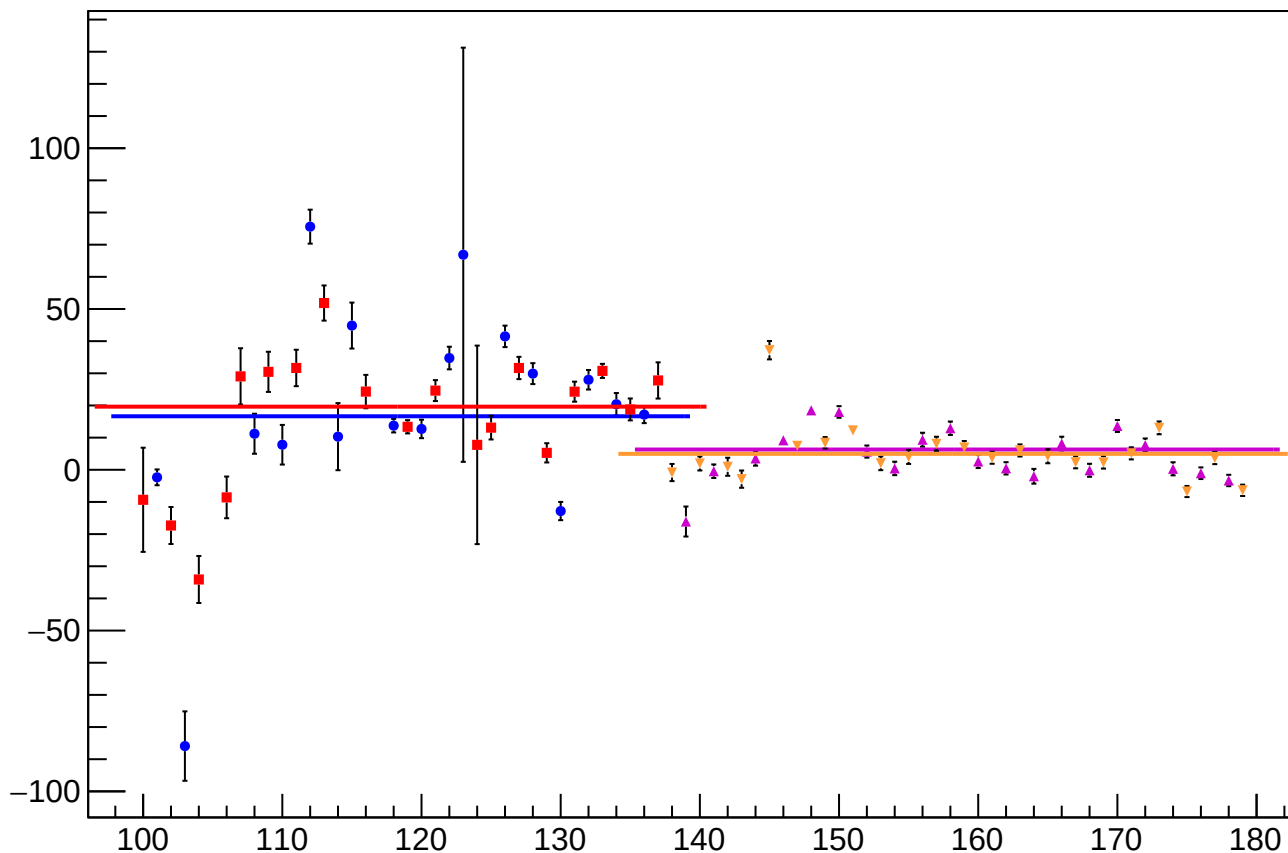
Left In: -16.399+/-0.571 χ^2/NDF :1296.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.301+/-0.397 χ^2/NDF : 2871.9/41

- sign 0.000+/-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 $\chi^2/\text{NDF}: 241.7/18$

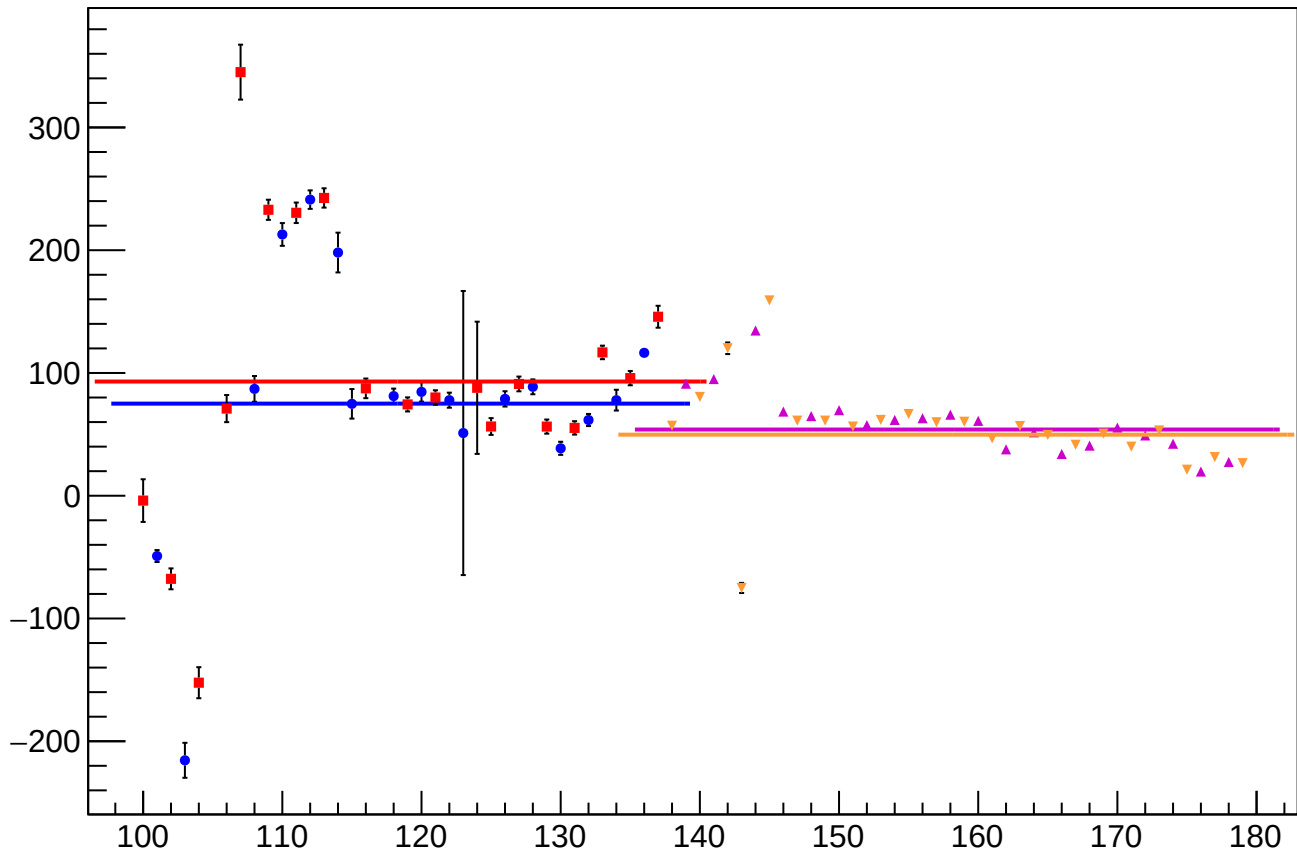
Left In: 6.302 ± 0.433 $\chi^2/\text{NDF}: 294.9/19$

+ sign 7.161 ± 0.374 $\chi^2/\text{NDF}: 961.3/38$

All: 7.958 ± 0.270 $\chi^2/\text{NDF}: 1686.7/77$

- sign 8.828 ± 0.390 $\chi^2/\text{NDF}: 715.9/38$

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

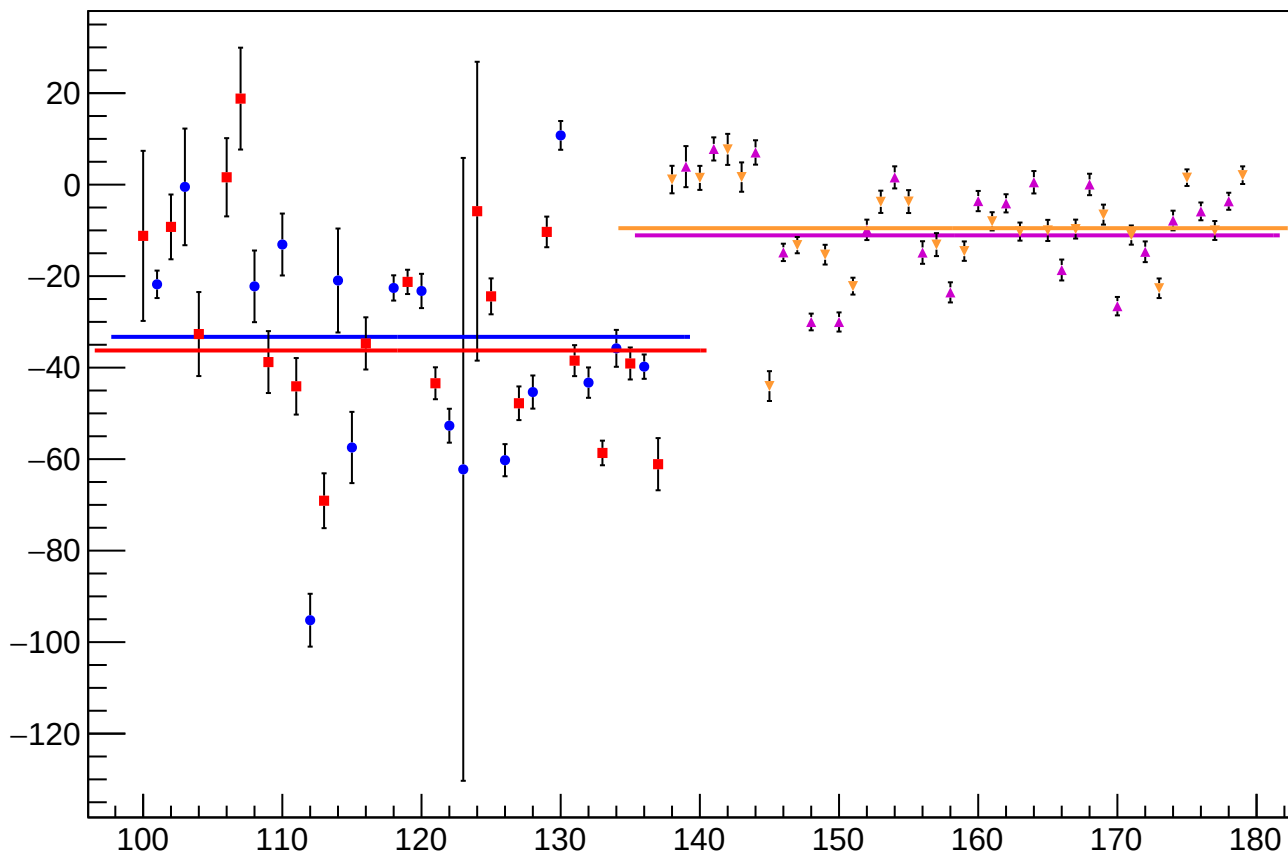
Left In: 53.926 ± 0.564 χ^2/NDF : 1741.9/19

+ sign 52.256 ± 0.519 χ^2/NDF : 5132.0/38

All: 54.922 ± 0.373 χ^2/NDF : 9402.9/77

- sign 57.755 ± 0.536 χ^2/NDF : 4216.5/38

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

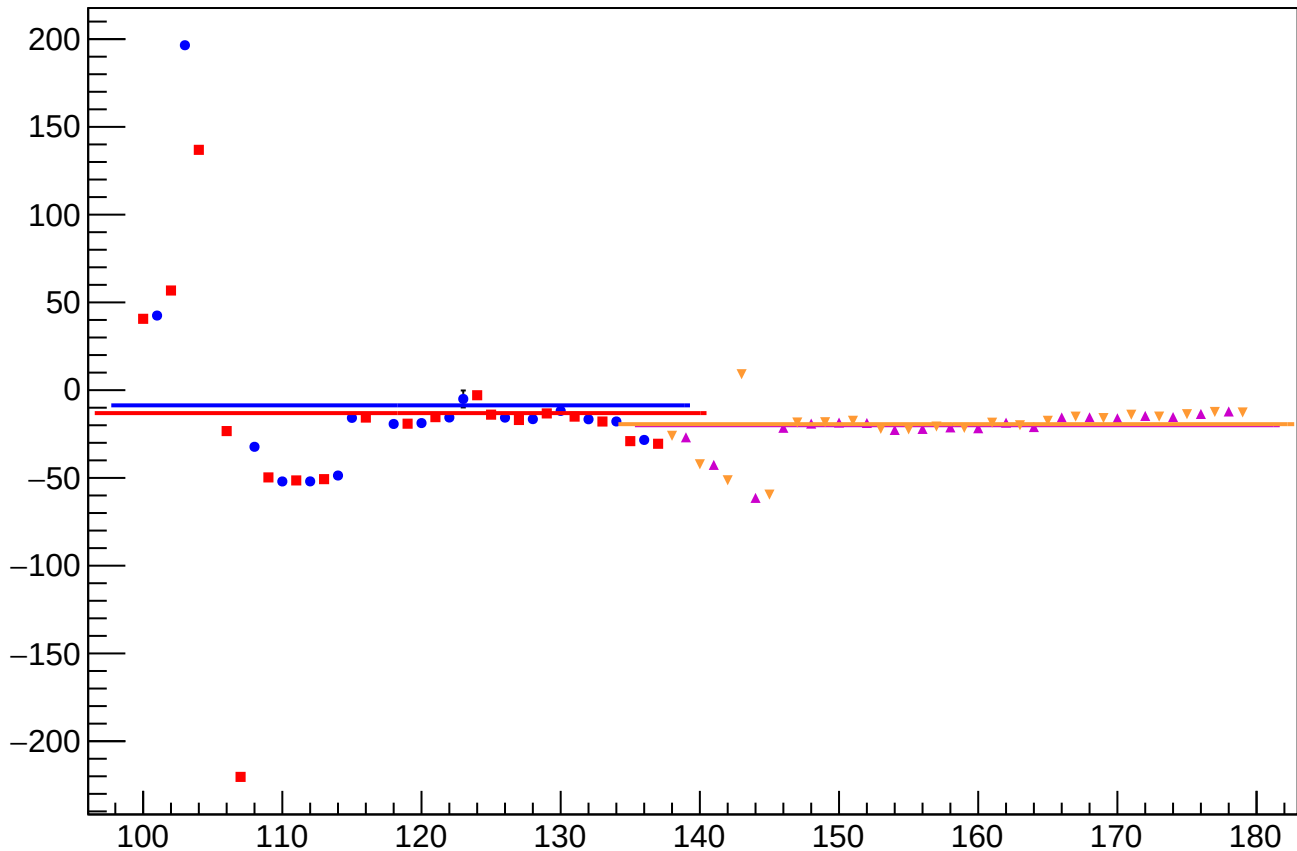
Left In: -11.087 ± 0.494 χ^2/NDF : 535.5/19

+ sign -13.999 ± 0.427 χ^2/NDF : 1335.6/38

All: -14.877 ± 0.308 χ^2/NDF : 2667.7/77

- sign -15.832 ± 0.445 χ^2/NDF : 1323.2/38

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

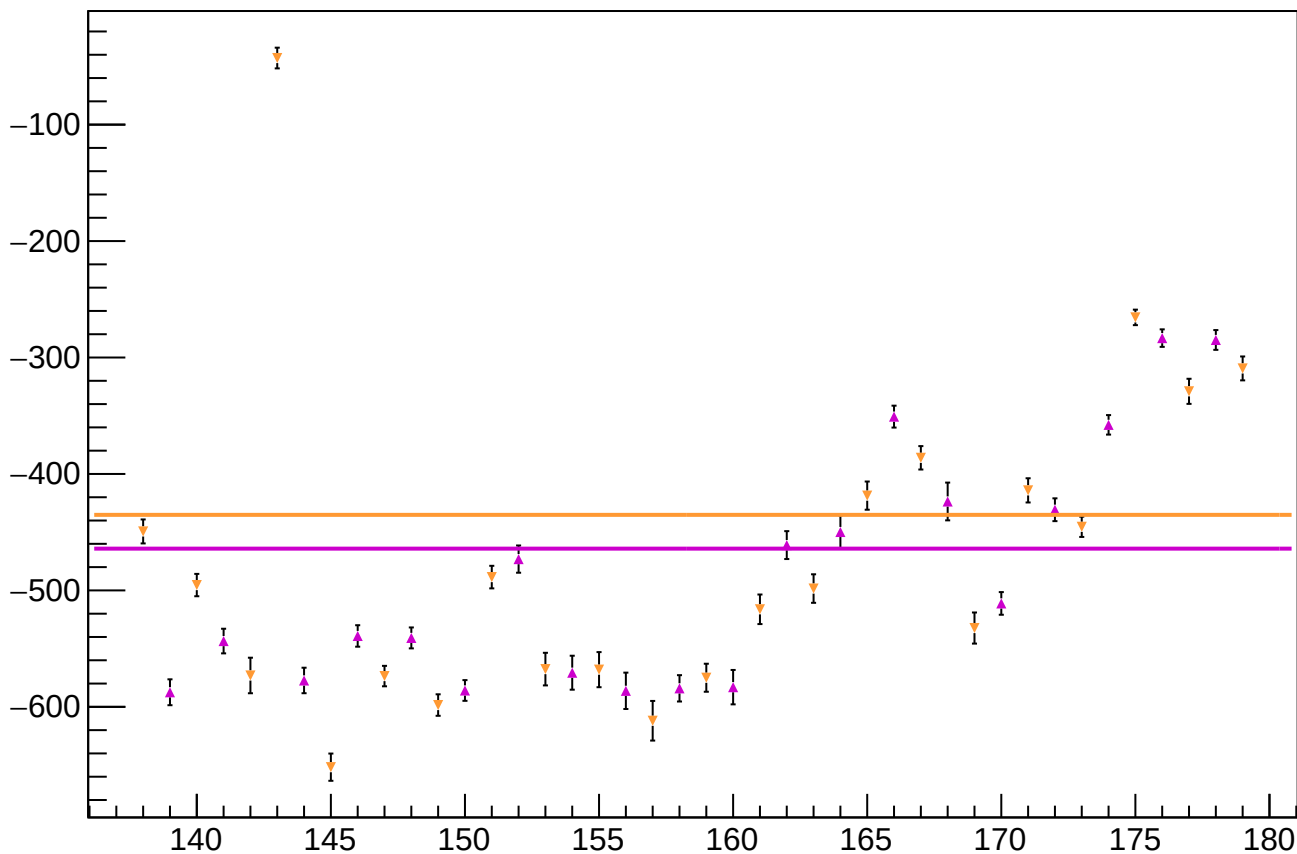
Left In: -19.983 ± 0.022 χ^2/NDF : 143375.6/19

+ sign -18.085 ± 0.020 χ^2/NDF : 818151.9/38

All: -18.621 ± 0.015 χ^2/NDF : 1532288.2/77

- sign -19.185 ± 0.021 χ^2/NDF : 712730.6/38

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

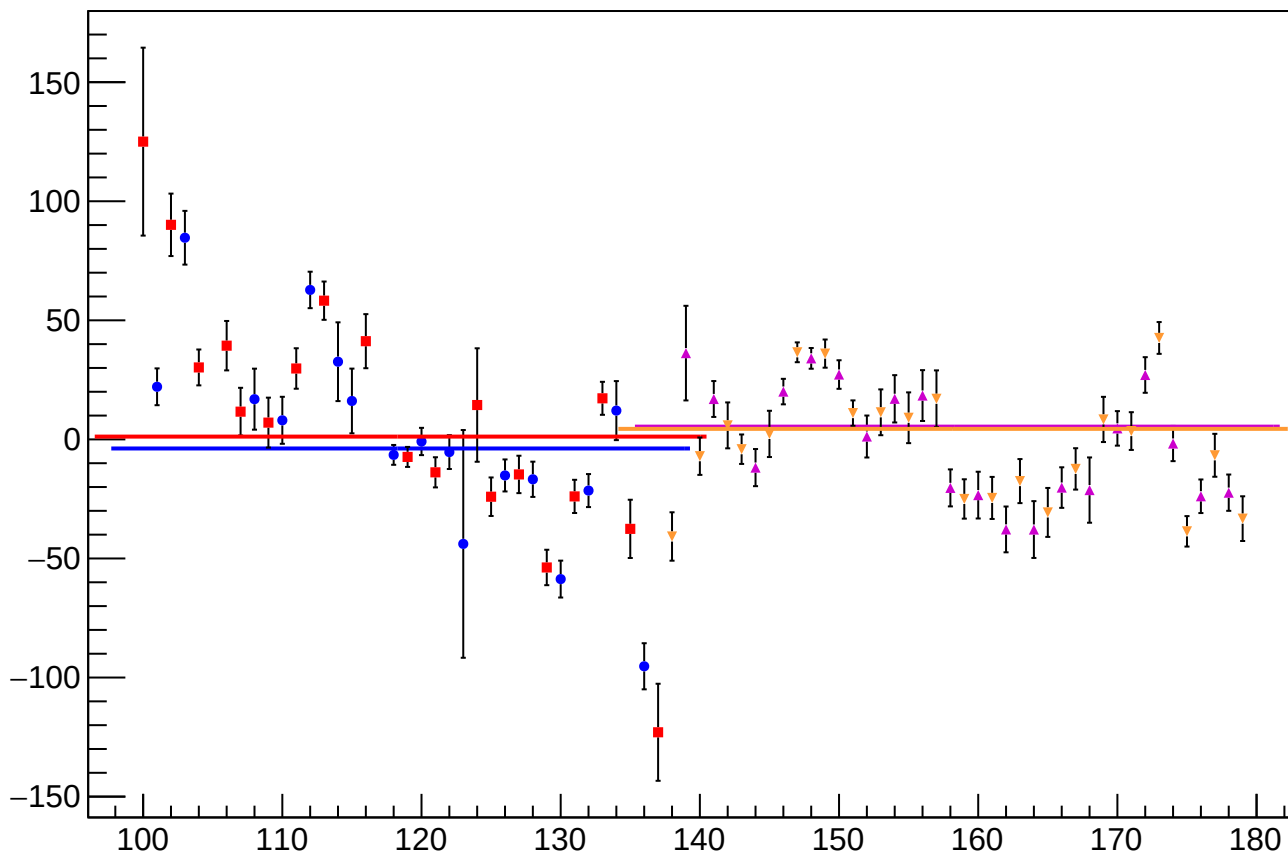
Left In: -464.130+/-2.329 χ^2/NDF : 2277.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -449.106+/-1.617 χ^2/NDF : 6817.7/41

- 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

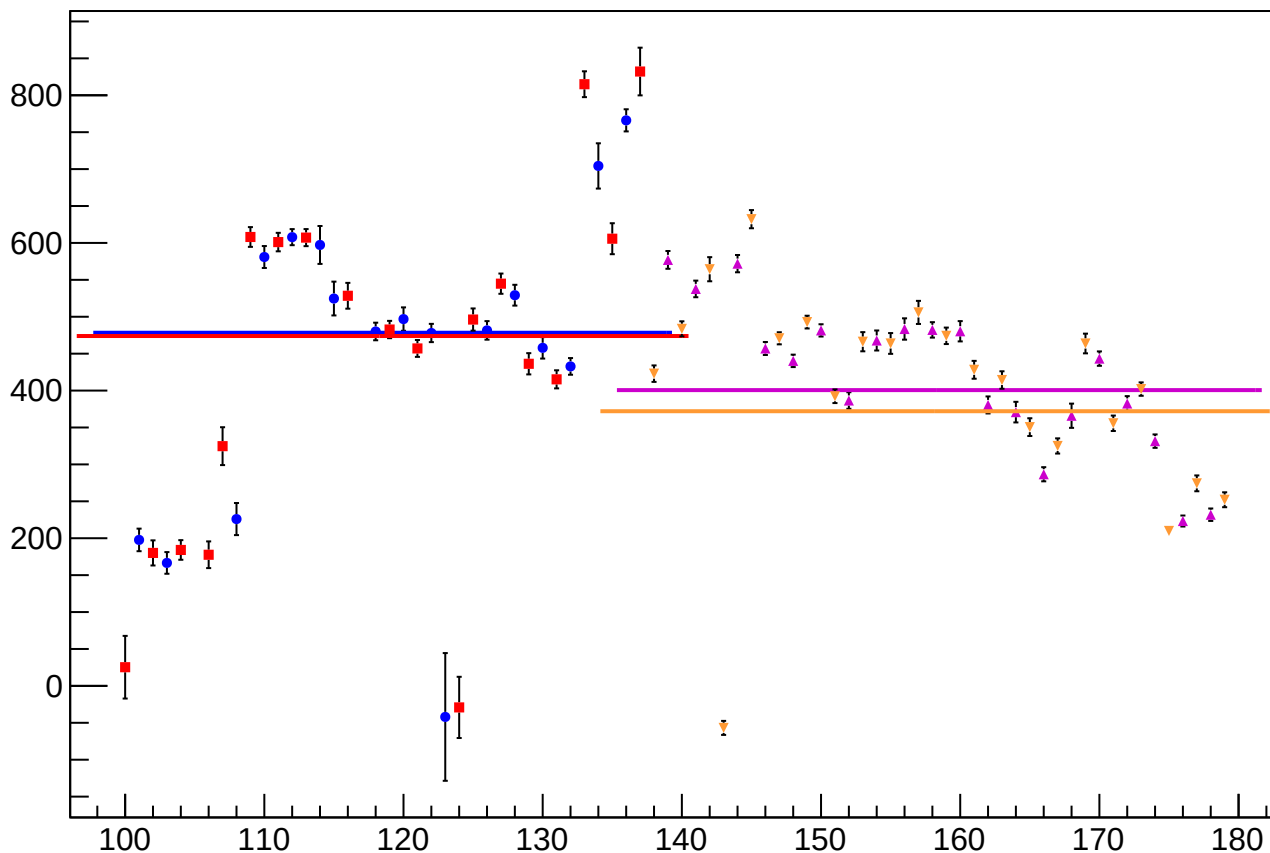
Left In: 5.359 ± 1.714 χ^2/NDF : 182.4/19

+ sign 1.002 ± 1.239 χ^2/NDF : 580.8/38

All: 2.212 ± 0.889 χ^2/NDF : 1071.6/77

- sign 3.497 ± 1.277 χ^2/NDF : 488.9/38

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

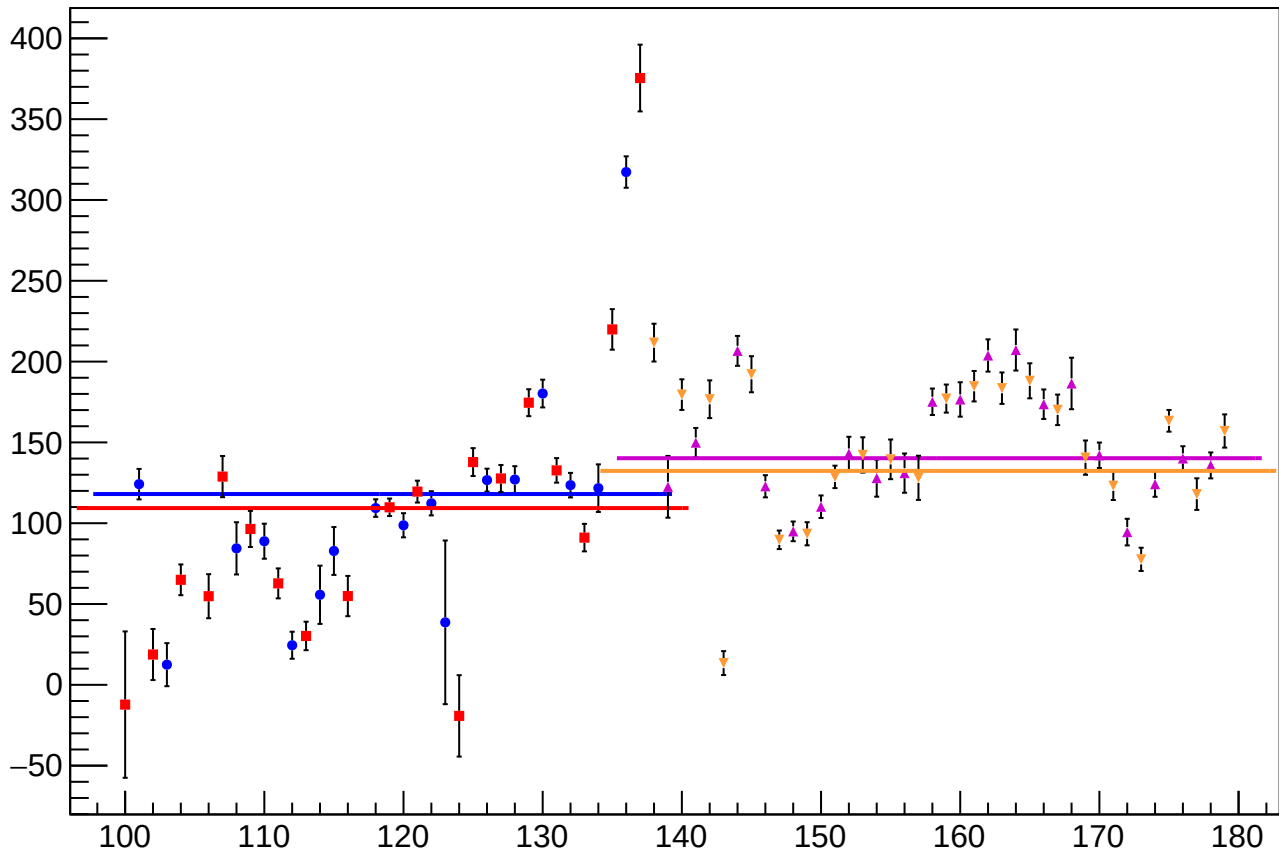
Left In: 400.635 $\pm$ 2.305 χ^2 /NDF: 2090.2/19

+ sign 400.846 $\pm$ 1.906 χ^2 /NDF: 6544.0/38

All: 411.554 $\pm$ 1.356 χ^2 /NDF: 11284.9/77

- sign 422.530 $\pm$ 1.930 χ^2 /NDF: 4677.1/38

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

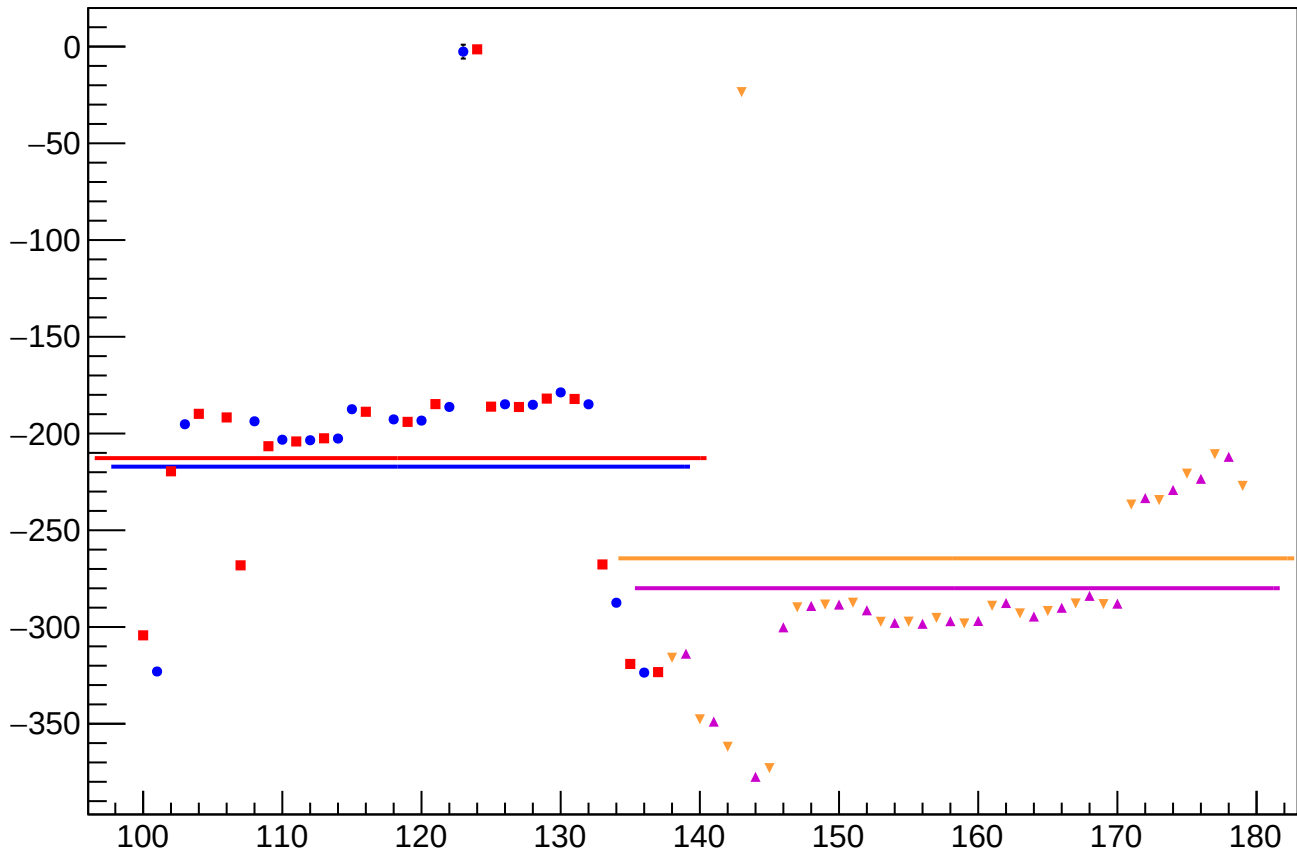
Left In: 140.224 $\pm$ 1.980 χ^2 /NDF: 290.8/19

+ sign 126.387 $\pm$ 1.439 χ^2 /NDF: 1404.7/38

All: 126.419 $\pm$ 1.029 χ^2 /NDF: 2373.8/77

- sign 126.452 $\pm$ 1.473 χ^2 /NDF: 969.0/38

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 $\chi^2/\text{NDF}: 115566.2/18$

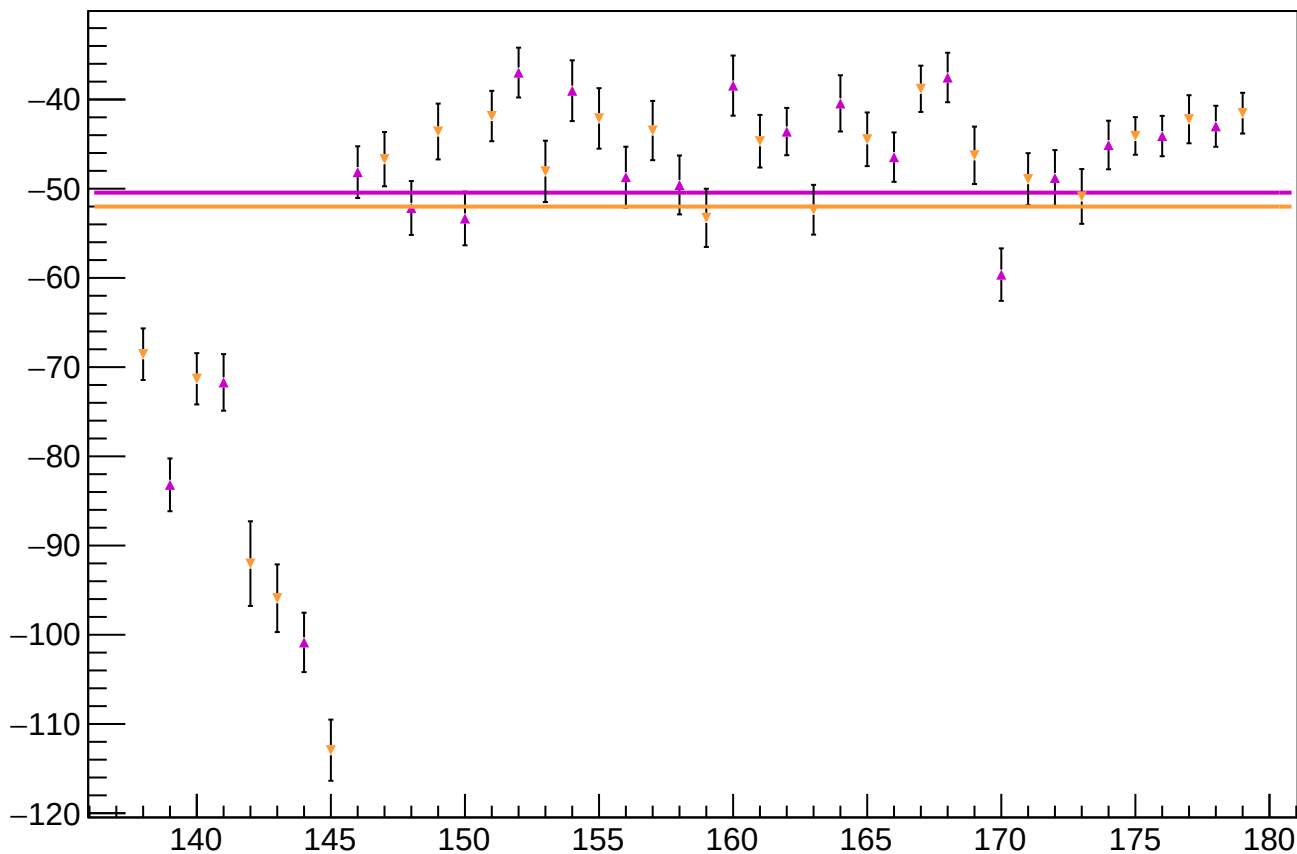
Left In: -279.945 ± 0.093 $\chi^2/\text{NDF}: 176180.1/19$

+ sign -250.037 ± 0.075 $\chi^2/\text{NDF}: 853787.0/38$

All: -253.696 ± 0.053 $\chi^2/\text{NDF}: 1327318.7/77$

- sign -257.352 ± 0.075 $\chi^2/\text{NDF}: 468834.0/38$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -52.006+/-0.631 χ^2/NDF : 729.8/21

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

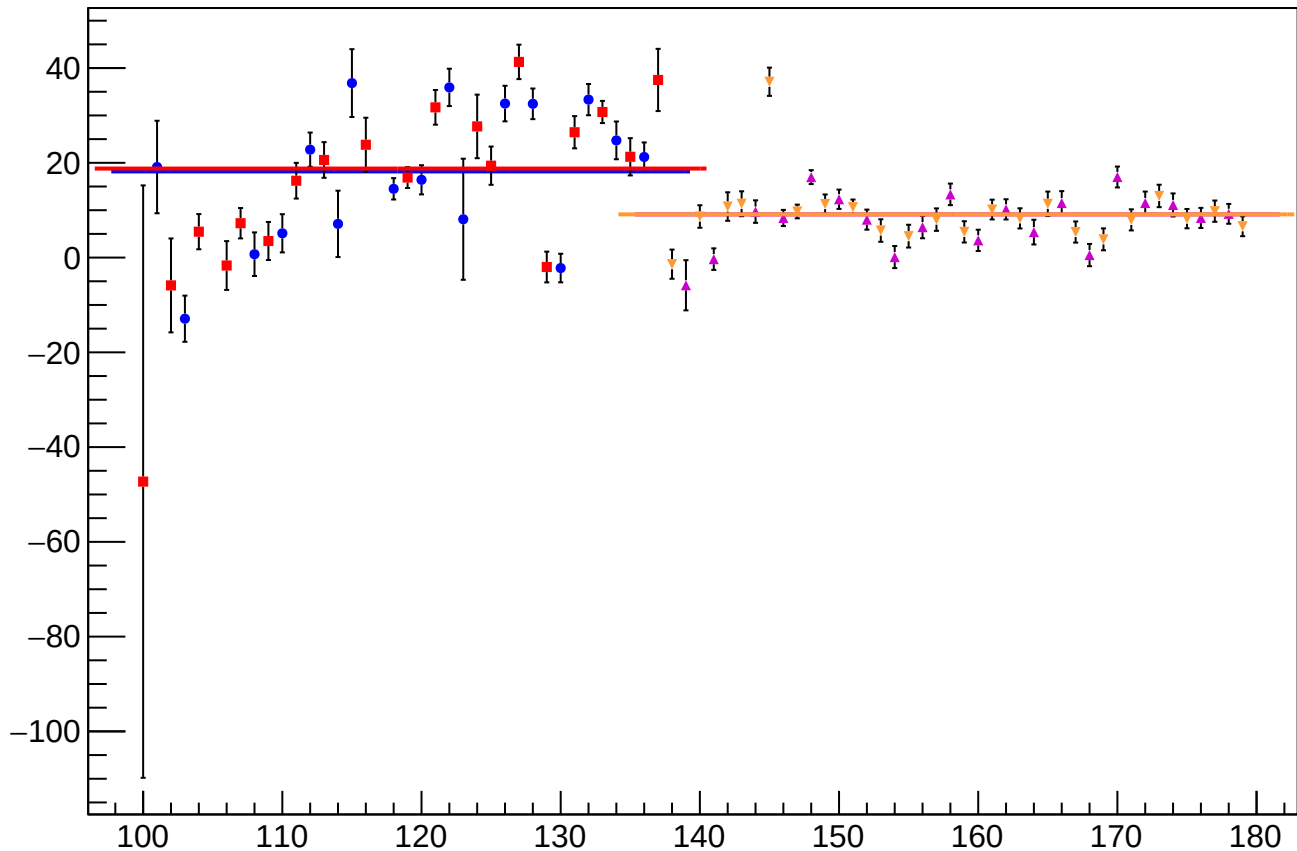
Left In: -50.441+/-0.650 χ^2/NDF : 519.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -51.247+/-0.453 χ^2/NDF : 1251.9/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.123 ± 0.470 χ^2/NDF : 125.6/21

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

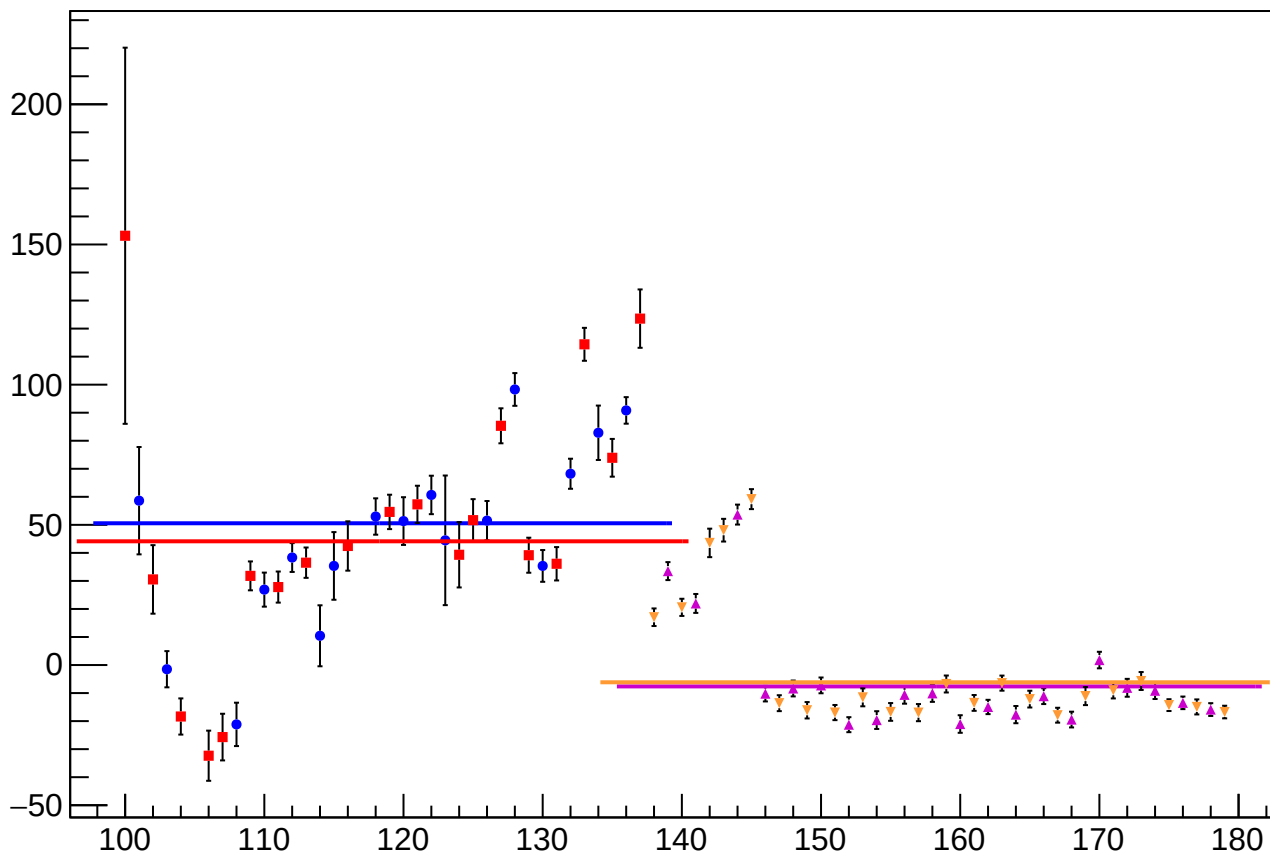
Left In: 9.114 ± 0.492 χ^2/NDF : 113.7/19

+ sign 11.009 ± 0.418 χ^2/NDF : 407.8/38

All: 11.243 ± 0.299 χ^2/NDF : 815.8/77

- sign 11.487 ± 0.427 χ^2/NDF : 407.4/38

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: -6.153 $\pm$ 0.624 χ^2 /NDF: 885.6/21

Right Out: 44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

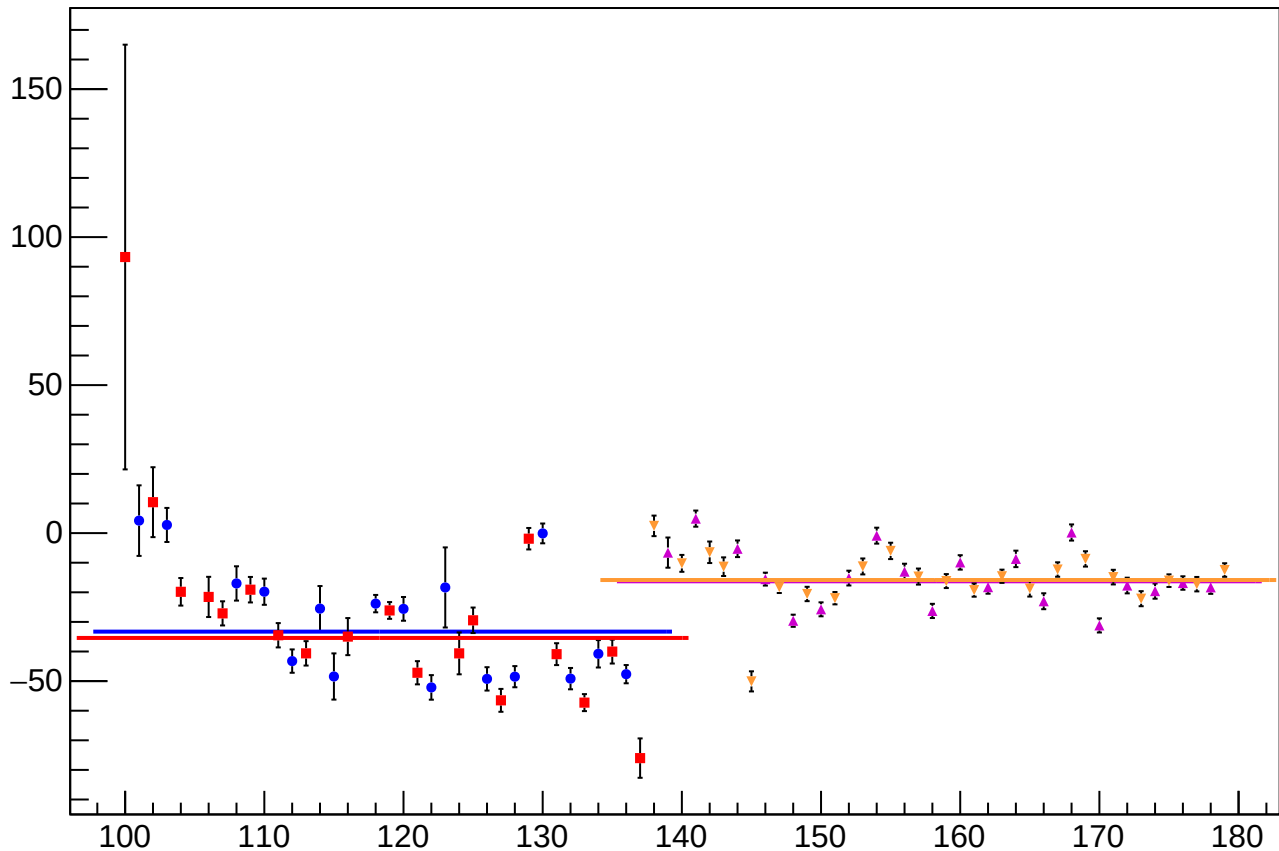
Left In: -7.623 $\pm$ 0.642 χ^2 /NDF: 668.1/19

+ sign 0.737 $\pm$ 0.585 χ^2 /NDF: 2247.8/38

All: 0.147 $\pm$ 0.417 χ^2 /NDF: 4349.3/77

- sign -0.466 $\pm$ 0.596 χ^2 /NDF: 2099.5/38

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

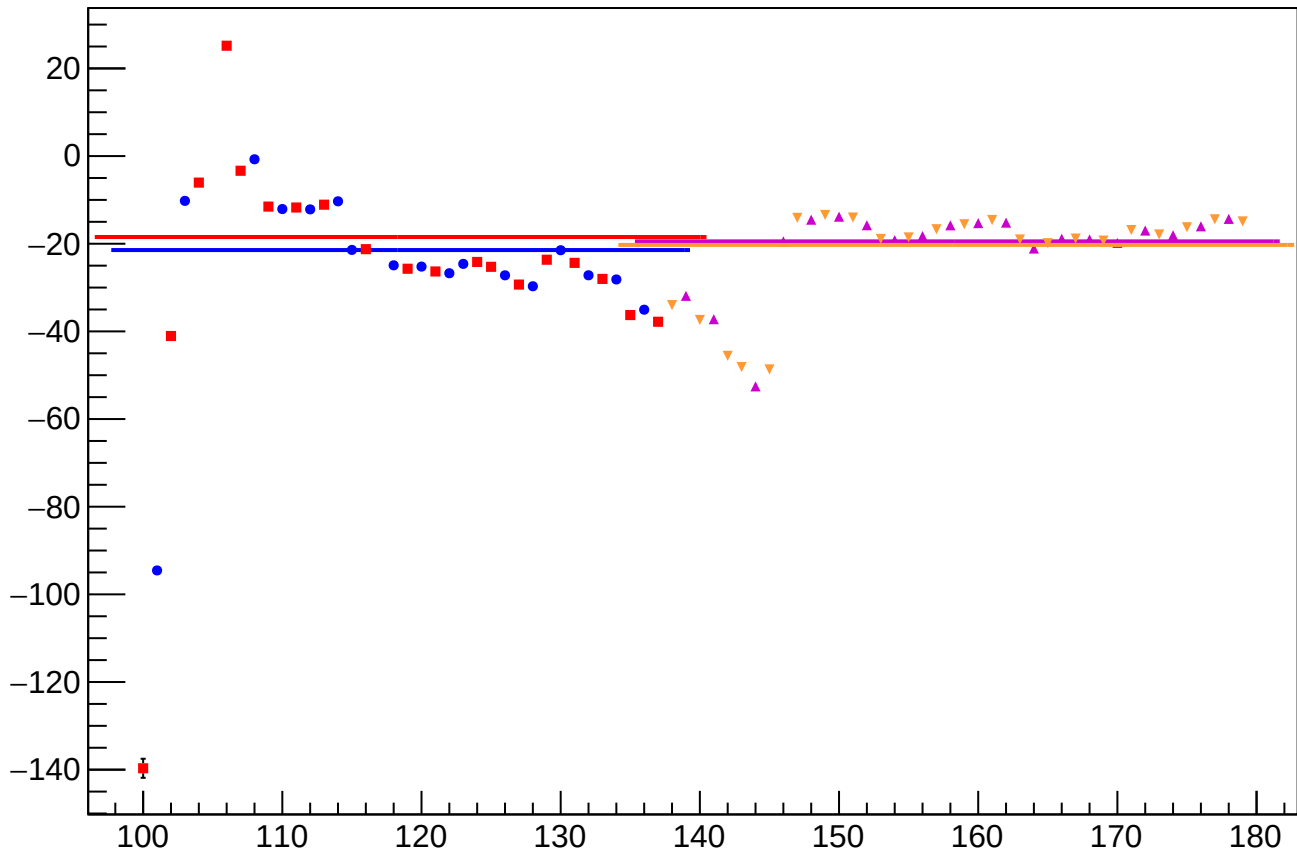
Left In: -16.282 ± 0.561 χ^2/NDF : 289.0/19

+ sign -19.511 ± 0.478 χ^2/NDF : 704.4/38

All: -20.201 ± 0.342 χ^2/NDF : 1569.7/77

- sign -20.919 ± 0.488 χ^2/NDF : 861.0/38

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -20.269 ± 0.025 $\chi^2/\text{NDF}: 138646.6/21$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

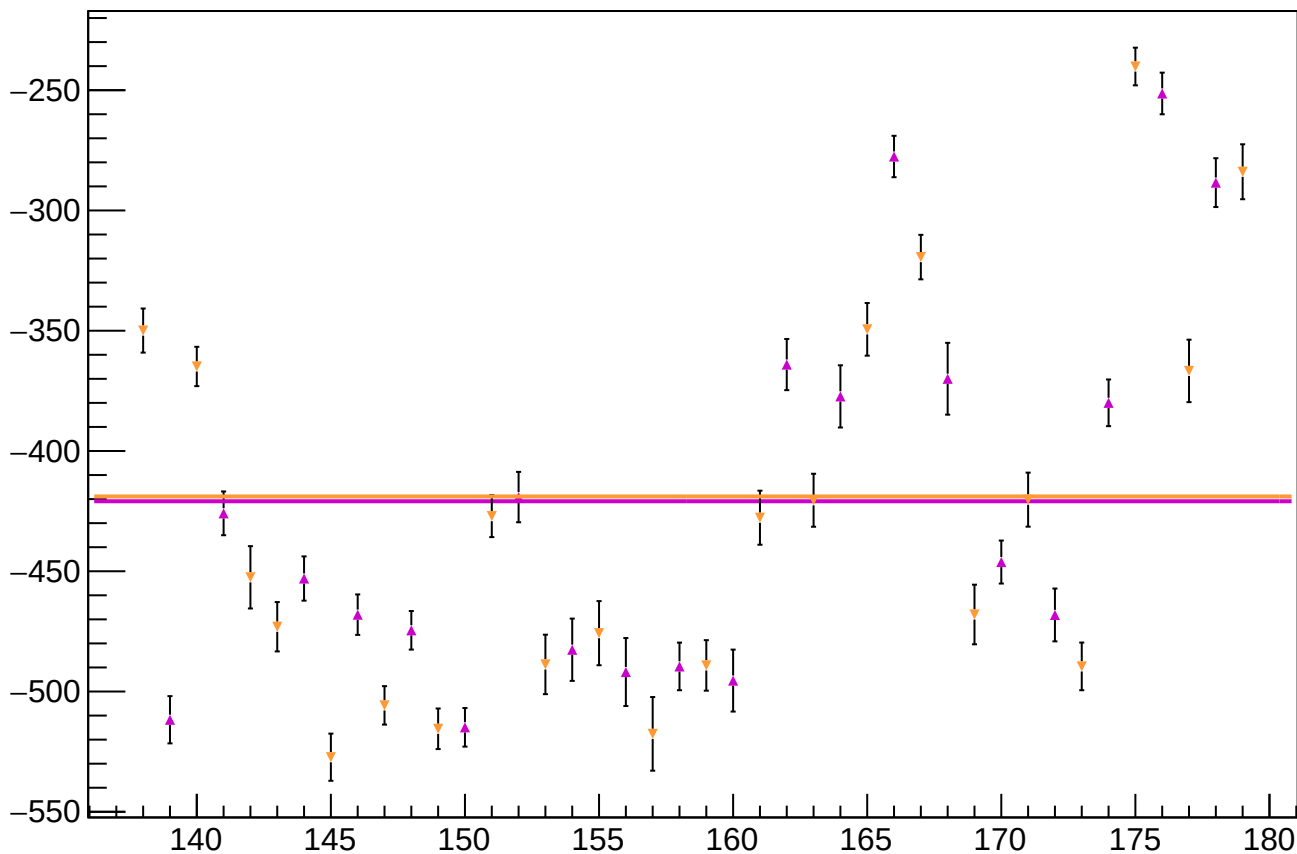
Left In: -19.460 ± 0.025 $\chi^2/\text{NDF}: 88356.0/19$

+ sign -20.446 ± 0.023 $\chi^2/\text{NDF}: 187951.9/38$

All: -19.880 ± 0.016 $\chi^2/\text{NDF}: 358272.0/77$

- sign -19.297 ± 0.023 $\chi^2/\text{NDF}: 169079.2/38$

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

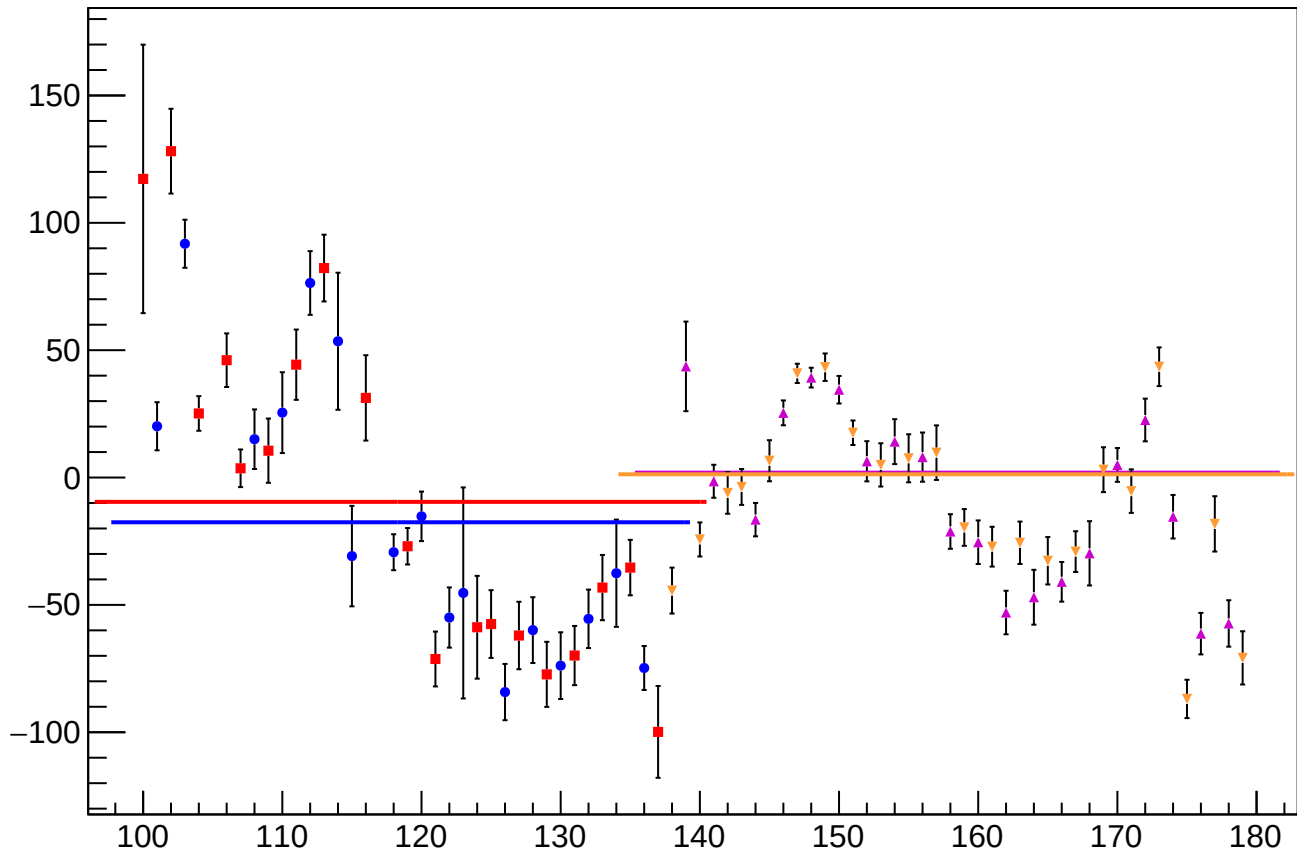
Left In: -420.901+/-2.219 χ^2/NDF :1368.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -419.882+/-1.552 χ^2/NDF : 2912.7/41

- 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

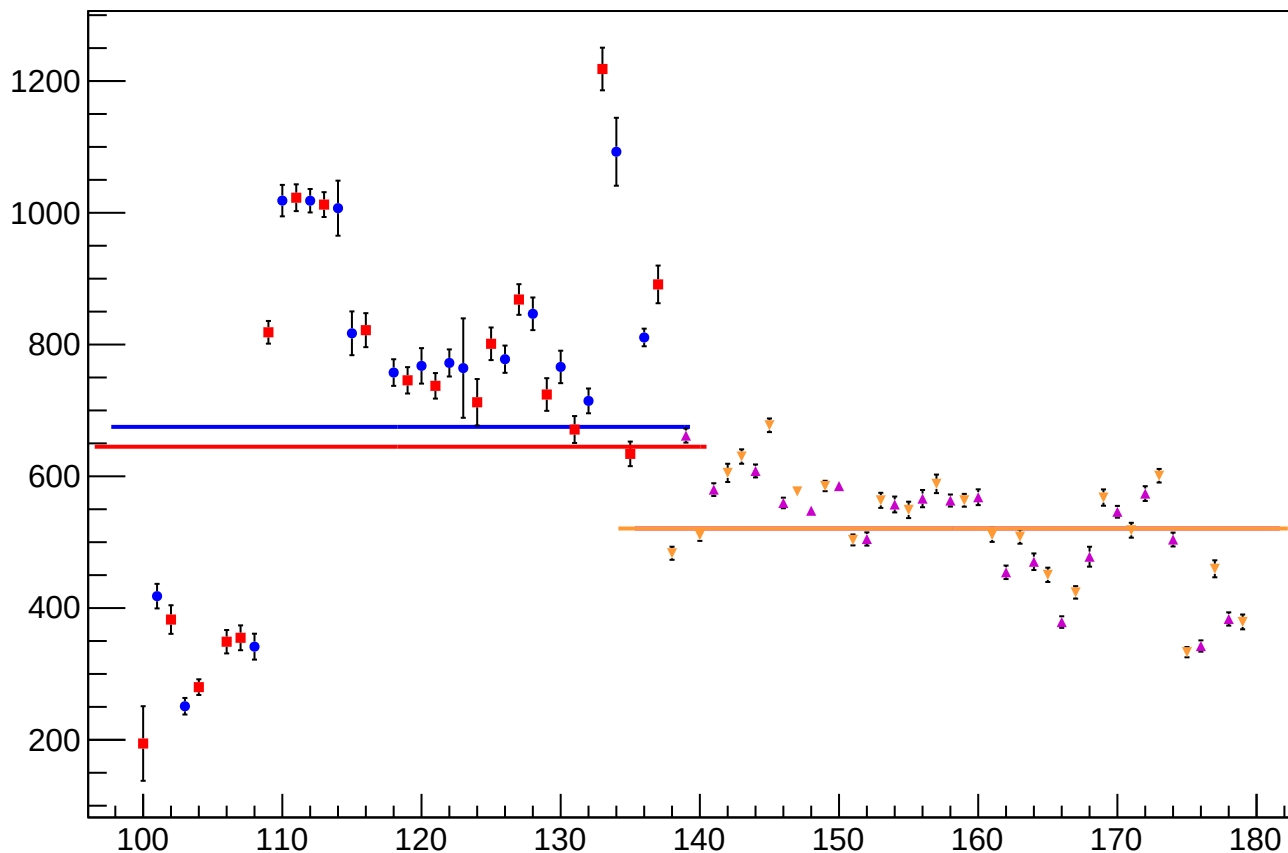
Left In: 1.920 ± 1.600 χ^2/NDF : 401.2/19

+ sign -3.041 ± 1.350 χ^2/NDF : 902.6/38

All: -2.137 ± 0.960 χ^2/NDF : 1689.0/77

- sign -1.215 ± 1.364 χ^2/NDF : 785.5/38

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

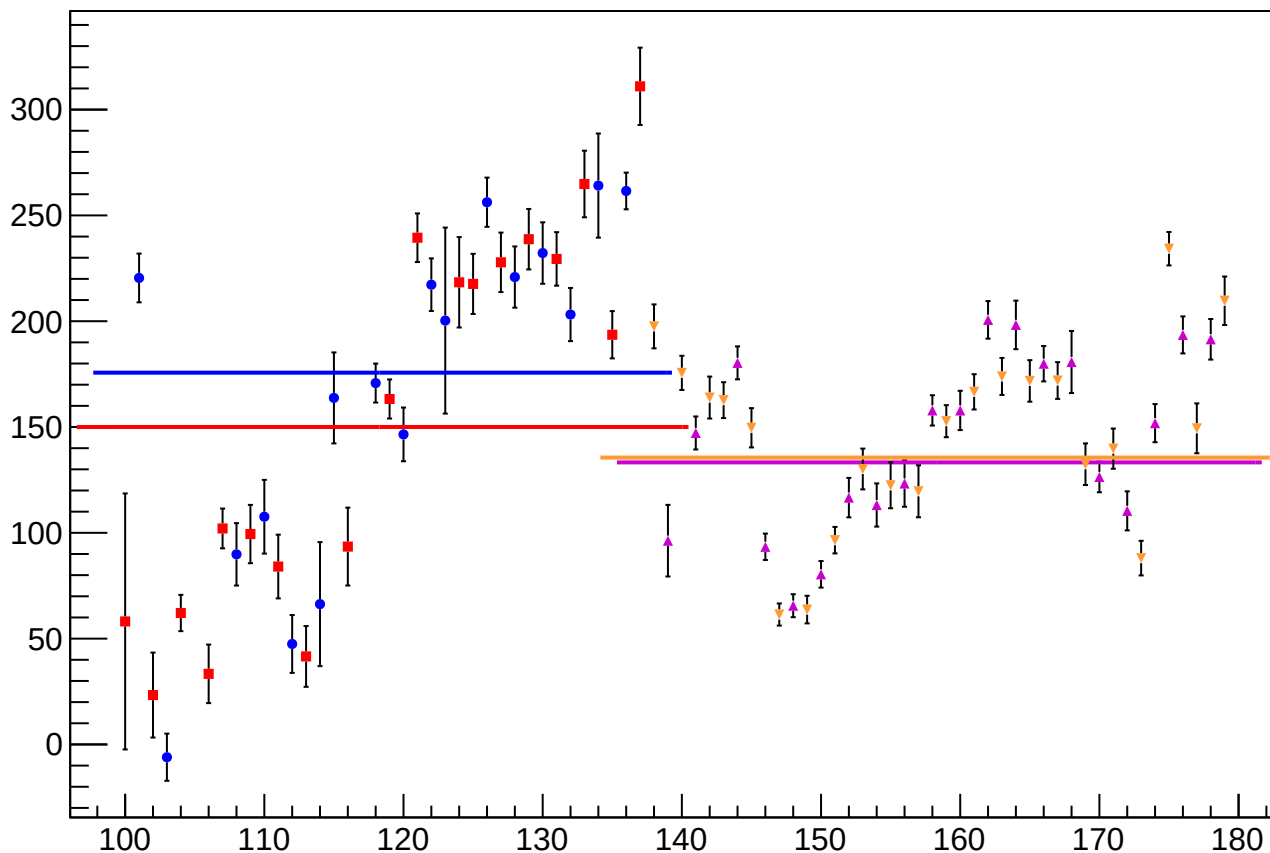
Left In: 520.840 $\pm$ 2.189 χ^2 /NDF:1443.8/19

+ sign 544.393 $\pm$ 1.982 χ^2 /NDF: 4922.4/38

All: 543.449 $\pm$ 1.404 χ^2 /NDF: 10049.3/77

- sign 542.498 $\pm$ 1.989 χ^2 /NDF: 5126.5/38

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

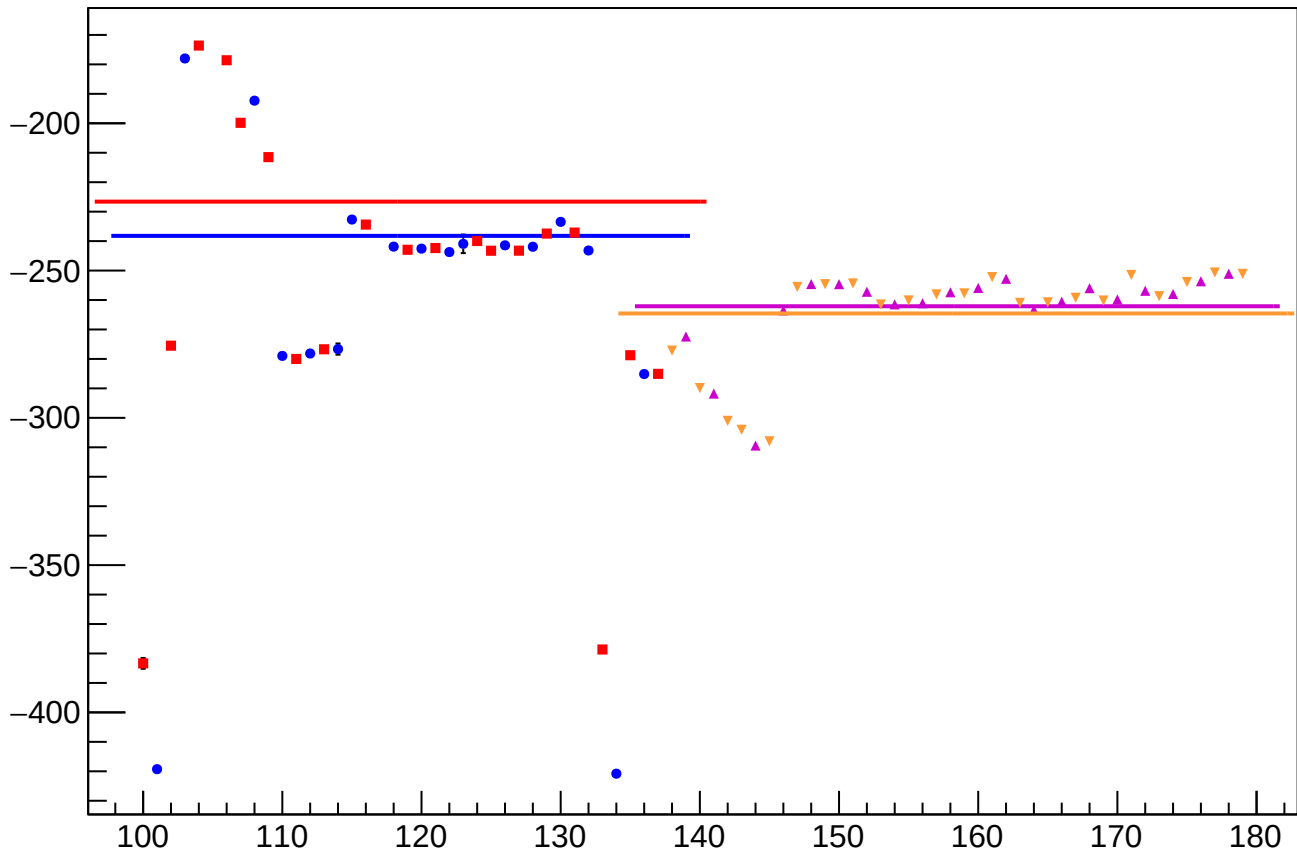
Left In: 133.279 $\pm$ 1.863 χ^2 /NDF: 565.2/19

+ sign 145.058 $\pm$ 1.575 χ^2 /NDF: 1503.8/38

All: 141.480 $\pm$ 1.119 χ^2 /NDF: 2795.2/77

- sign 137.843 $\pm$ 1.589 χ^2 /NDF: 1280.9/38

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 $\chi^2/\text{NDF}: 167120.0/16$

Left Out: -264.564 ± 0.087 $\chi^2/\text{NDF}: 37011.0/21$

Right Out: -226.597 ± 0.151 $\chi^2/\text{NDF}: 102562.3/18$

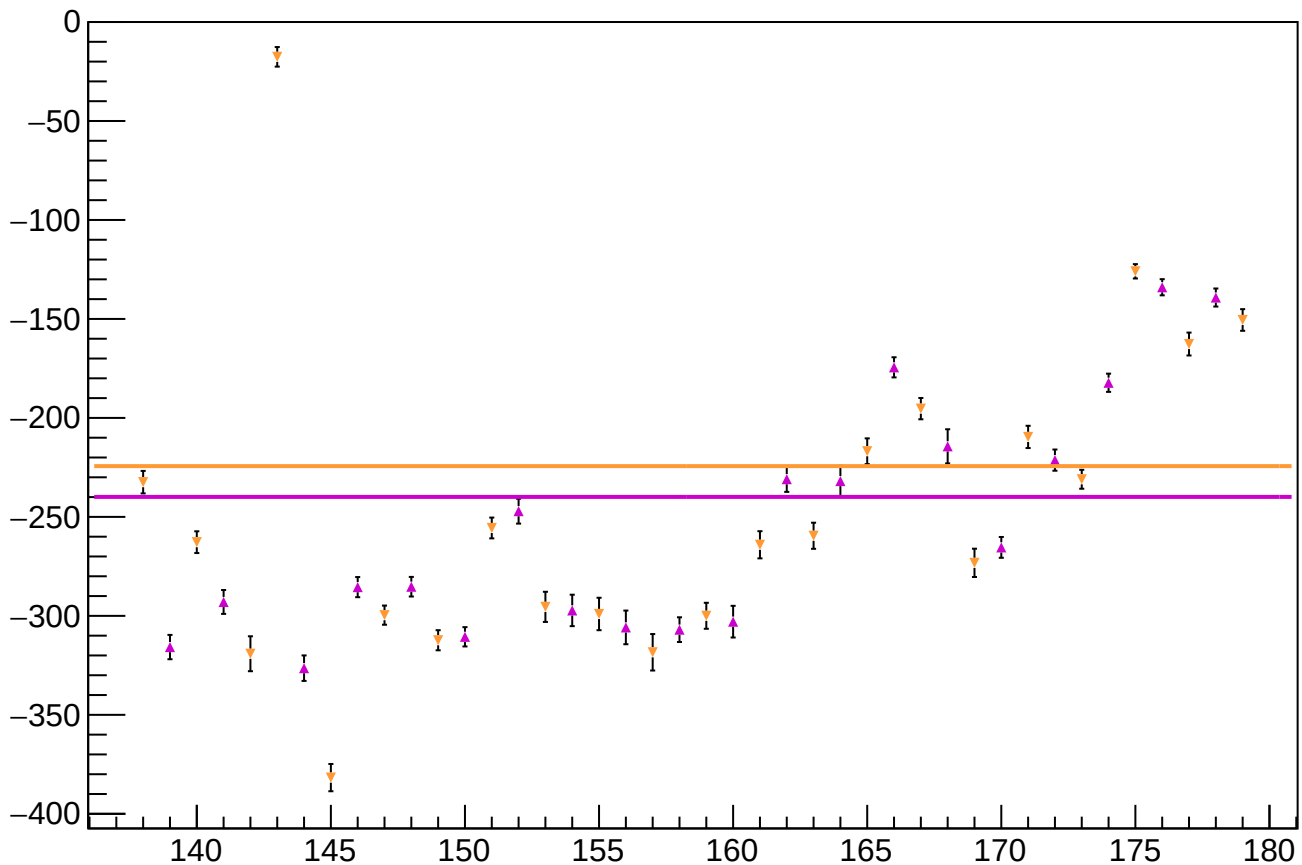
Left In: -262.115 ± 0.088 $\chi^2/\text{NDF}: 22275.7/19$

+ sign -258.577 ± 0.076 $\chi^2/\text{NDF}: 224966.0/38$

All: -255.857 ± 0.054 $\chi^2/\text{NDF}: 393601.0/77$

- sign -253.183 ± 0.076 $\chi^2/\text{NDF}: 166127.4/38$

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

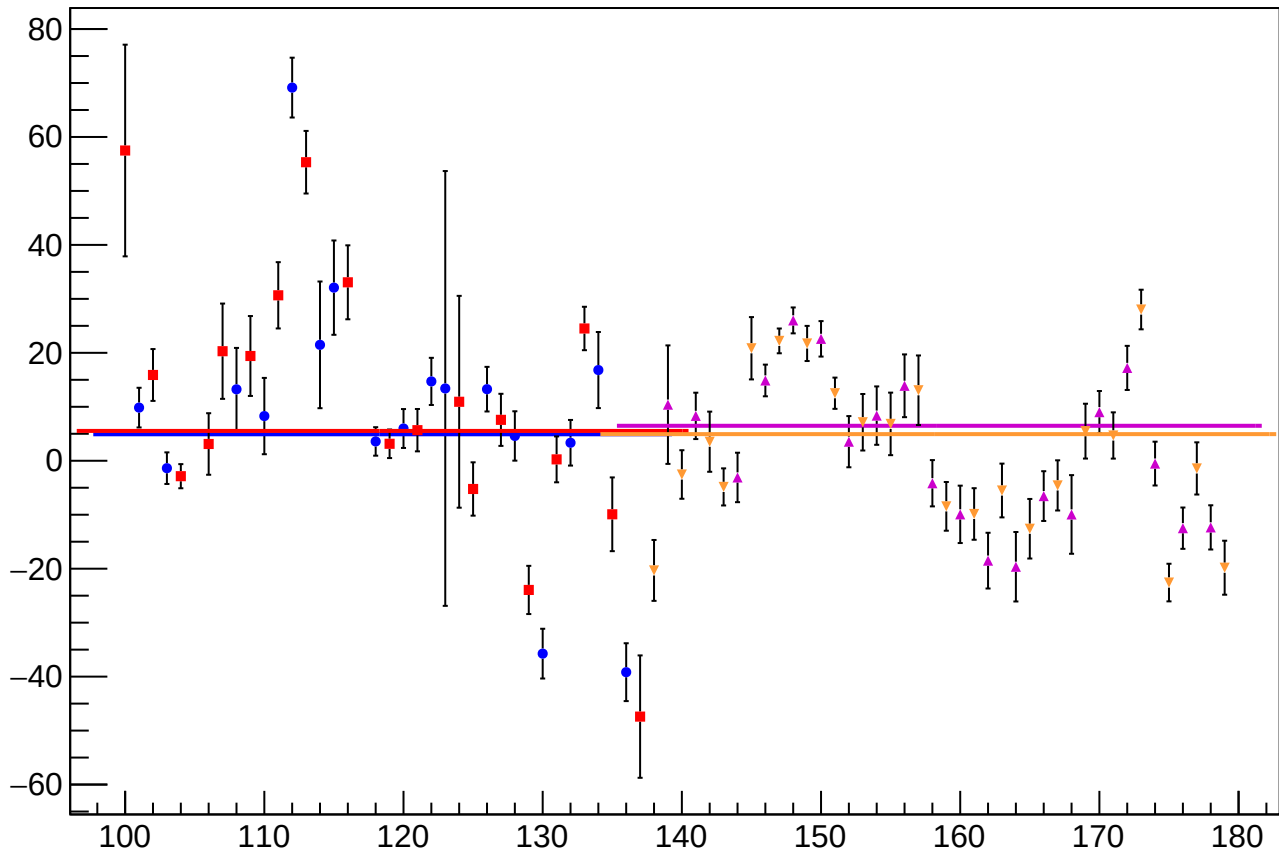
Left In: -239.902 ± 1.275 χ^2/NDF : 2604.2/19

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -231.852 ± 0.885 χ^2/NDF : 7282.3/41

- 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

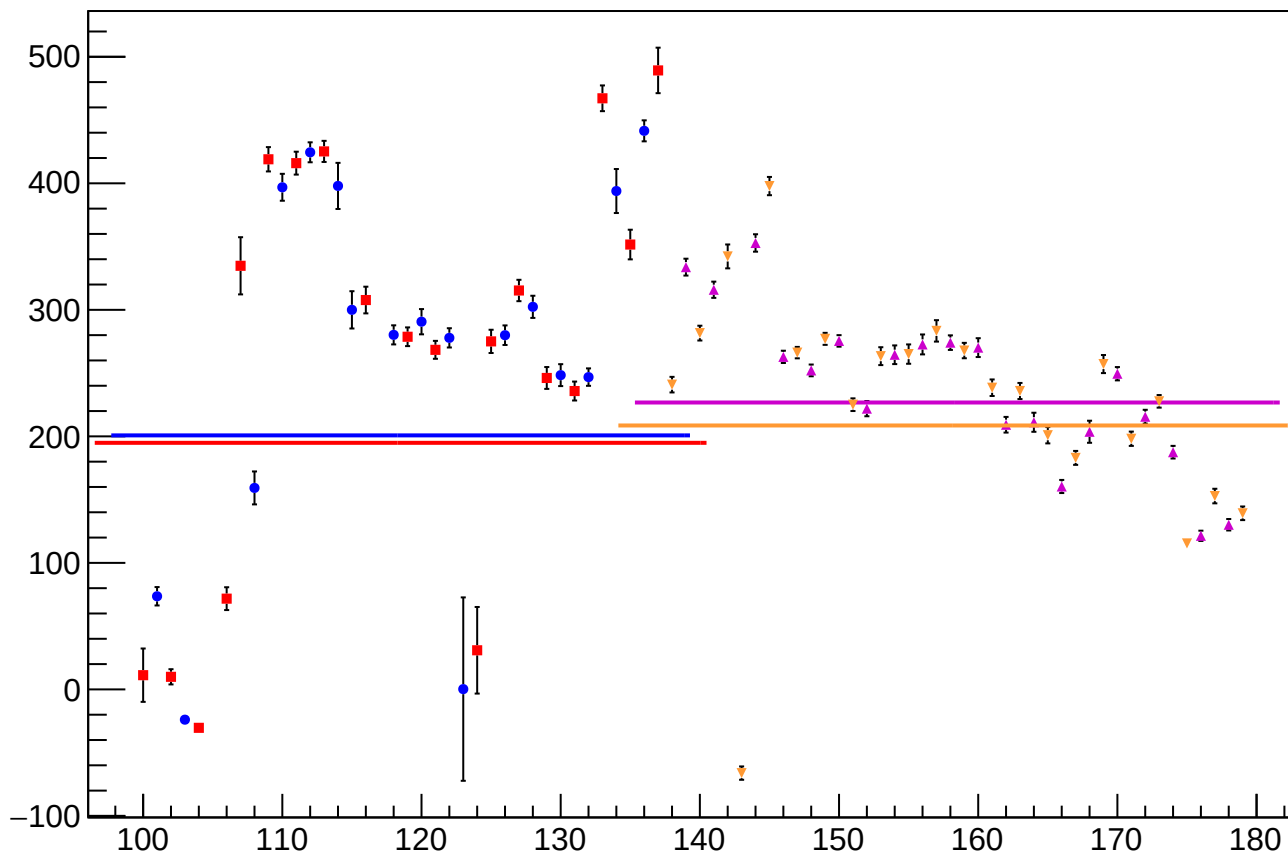
Left In: 6.482 ± 0.940 χ^2/NDF : 229.8/19

+ sign 4.923 ± 0.693 χ^2/NDF : 607.4/38

All: 5.484 ± 0.494 χ^2/NDF : 1077.9/77

- sign 6.066 ± 0.706 χ^2/NDF : 469.2/38

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 ± 1.983 χ^2/NDF : 6733.0/16

Left Out: 208.602 ± 1.222 χ^2/NDF : 5496.6/21

Right Out: 194.892 ± 1.924 χ^2/NDF : 8247.1/18

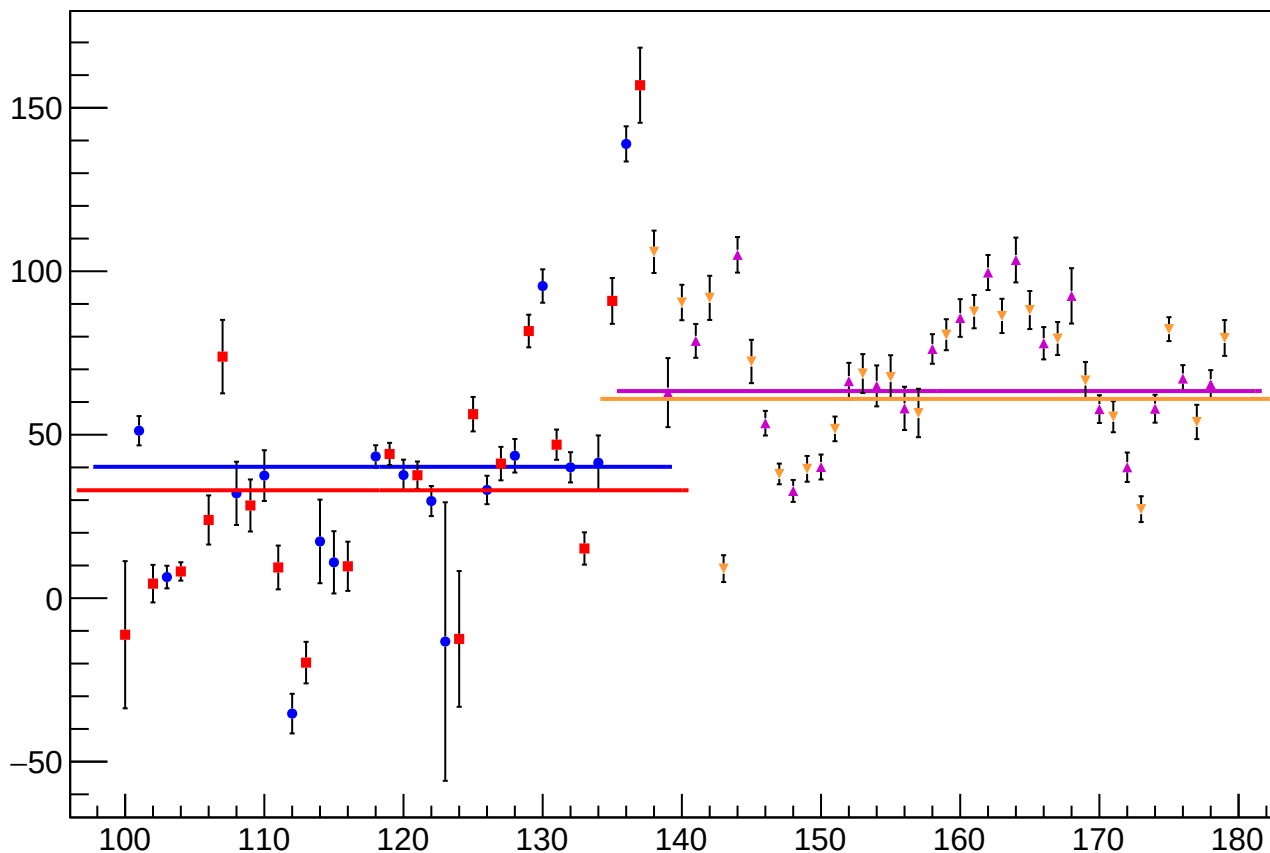
Left In: 226.758 ± 1.261 χ^2/NDF : 2549.2/19

+ sign 206.449 ± 1.040 χ^2/NDF : 12240.9/38

All: 211.738 ± 0.741 χ^2/NDF : 23281.5/77

- sign 217.178 ± 1.055 χ^2/NDF : 10988.2/38

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

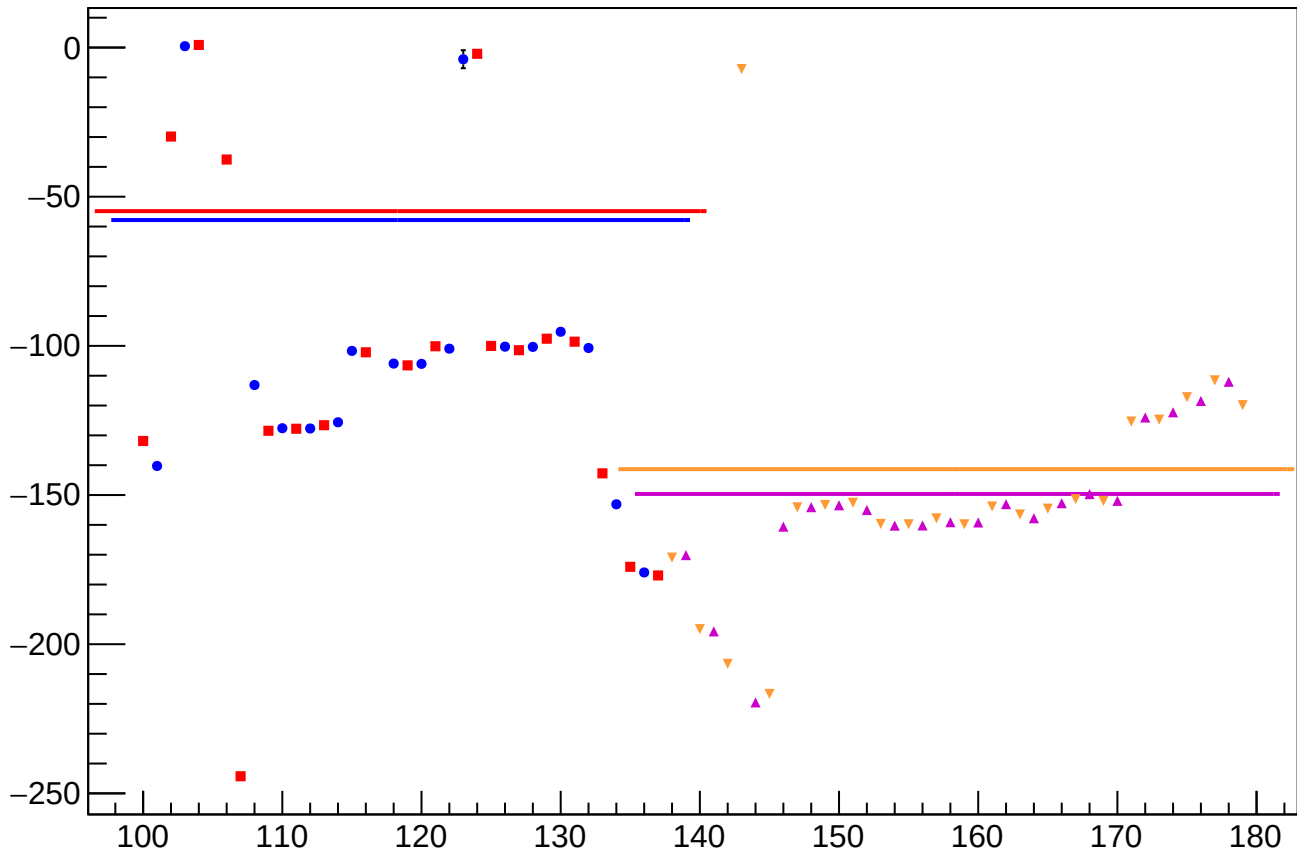
Left In: 63.359 ± 1.085 χ^2/NDF : 349.8/19

+ sign 52.785 ± 0.805 χ^2/NDF : 1471.8/38

All: 51.578 ± 0.574 χ^2/NDF : 2715.2/77

- sign 50.327 ± 0.819 χ^2/NDF : 1238.8/38

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

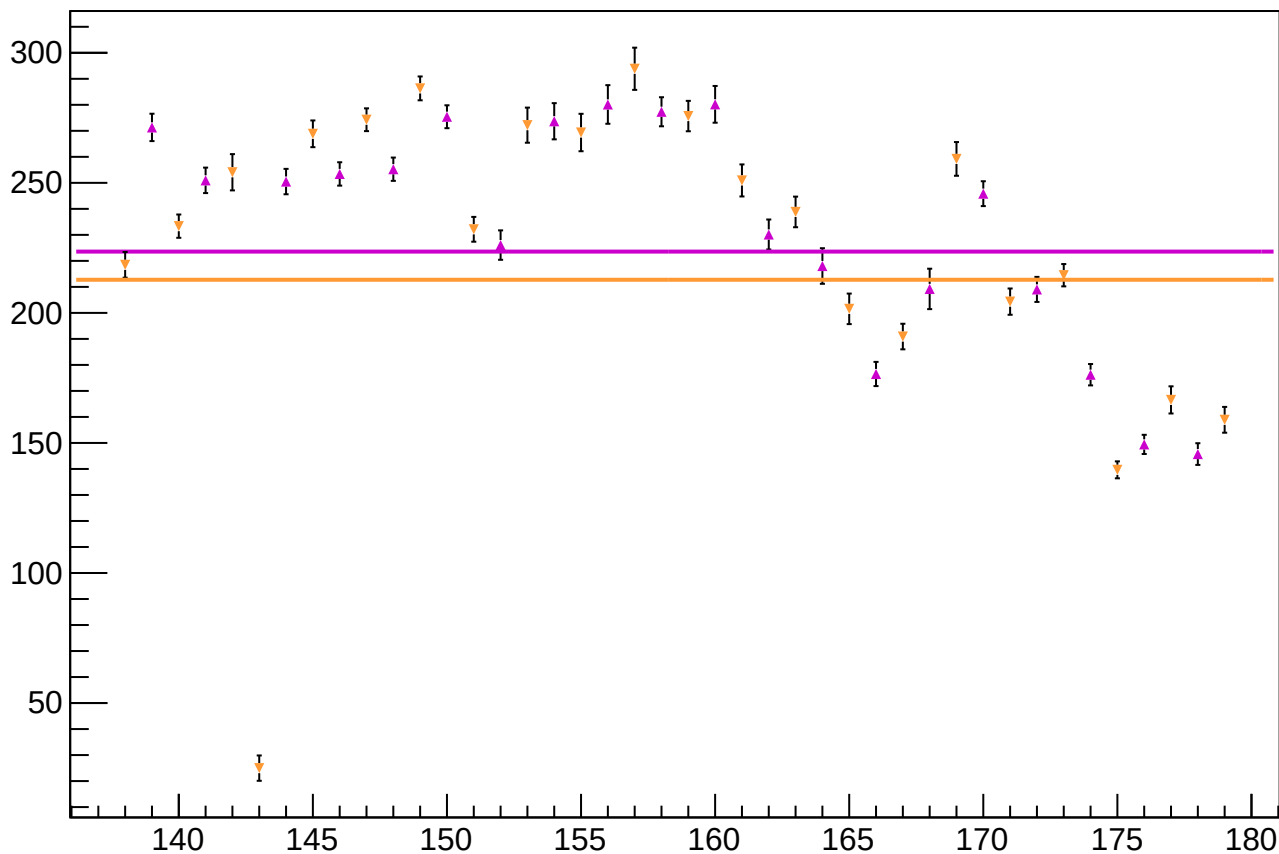
Left In: -149.631 ± 0.051 χ^2/NDF : 204726.9/19

+ sign -108.667 ± 0.039 χ^2/NDF : 2875904.9/38

All: -109.511 ± 0.027 χ^2/NDF : 5533255.7/77

- sign -110.360 ± 0.039 χ^2/NDF : 2656394.1/38

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 212.741+/-1.094 χ^2/NDF : 3325.2/21

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

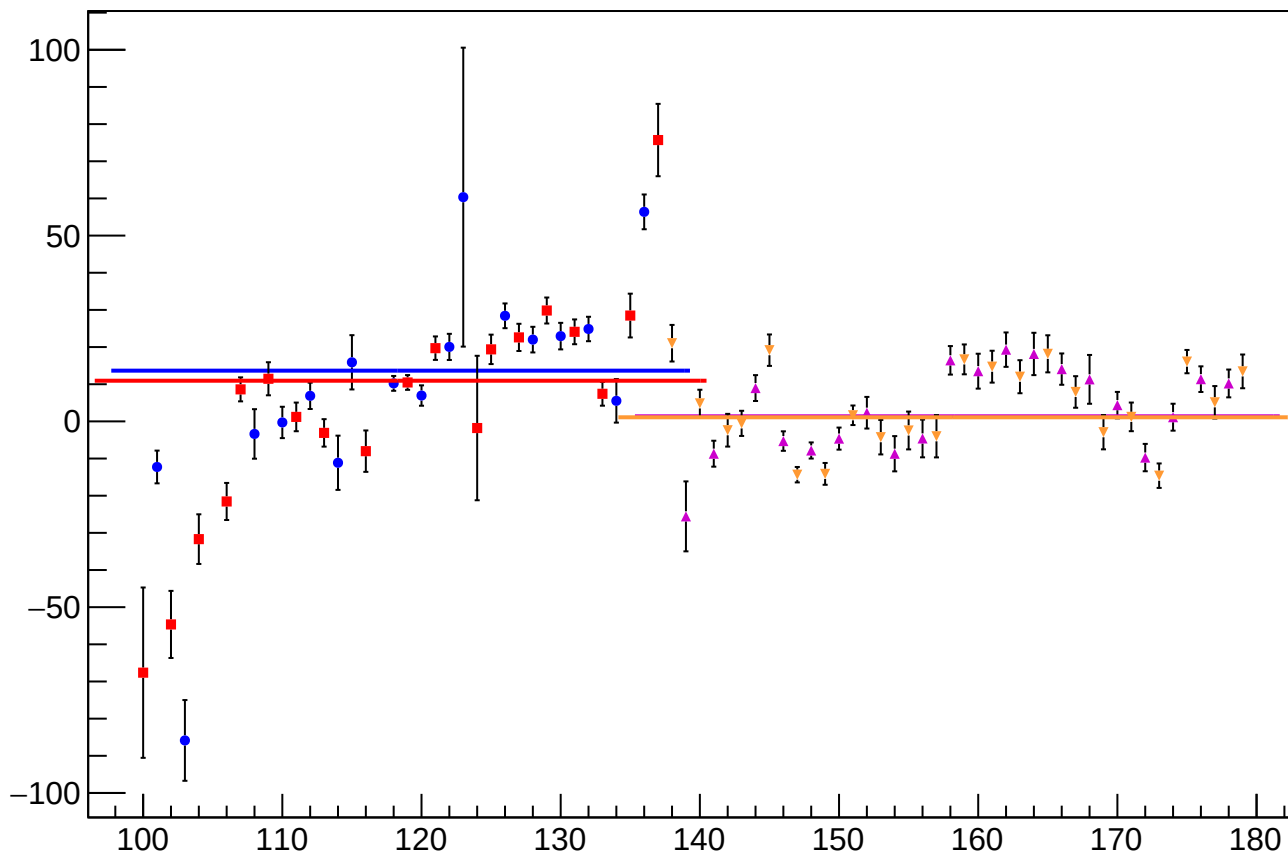
Left In: 223.570+/-1.129 χ^2/NDF : 1668.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 217.986+/-0.786 χ^2/NDF : 5041.5/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: 1.100 $\pm$ 0.793 χ^2 /NDF: 221.5/21

Right Out: 10.944 $\pm$ 0.913 χ^2 /NDF: 302.5/18

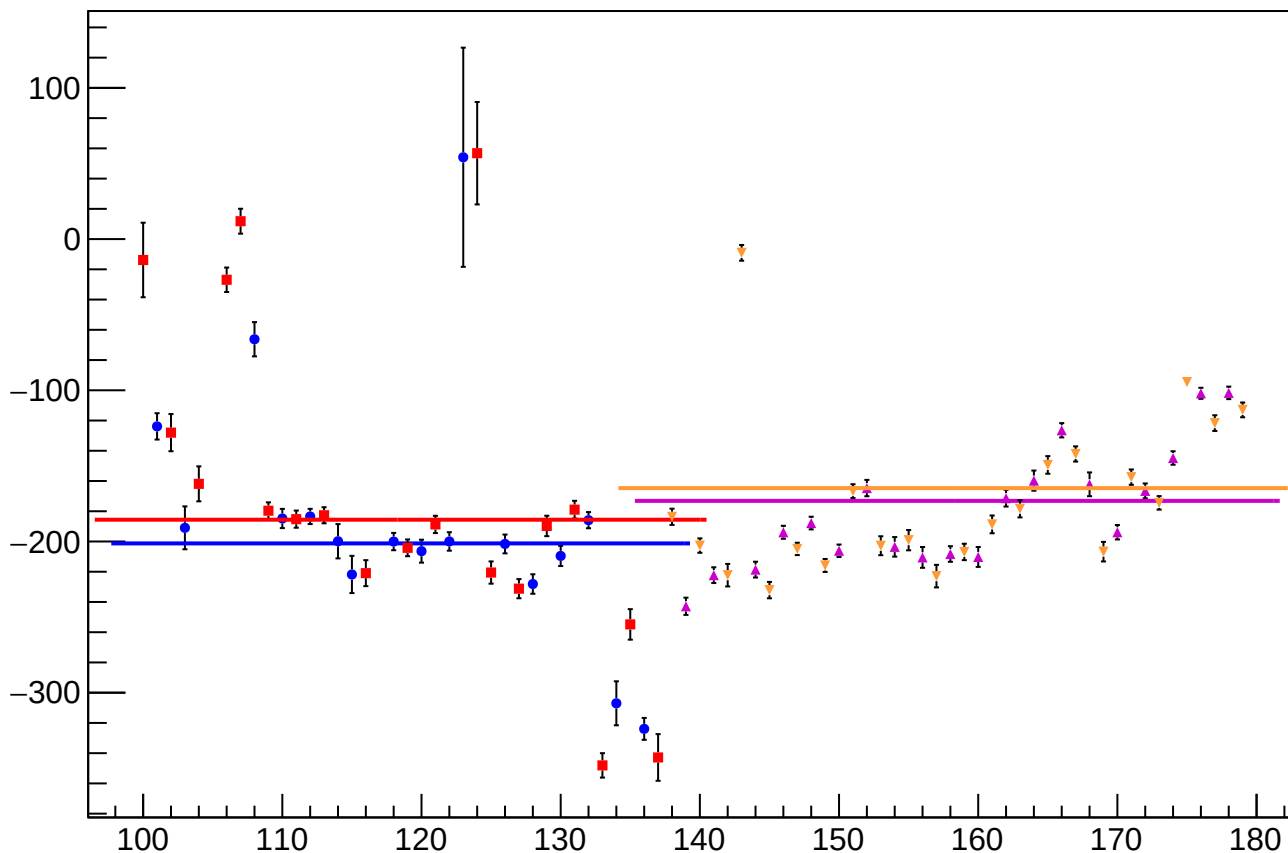
Left In: 1.376 $\pm$ 0.833 χ^2 /NDF: 136.7/19

+ sign 6.344 $\pm$ 0.605 χ^2 /NDF: 620.2/38

All: 6.039 $\pm$ 0.432 χ^2 /NDF: 1119.8/77

- sign 5.724 $\pm$ 0.616 χ^2 /NDF: 499.1/38

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

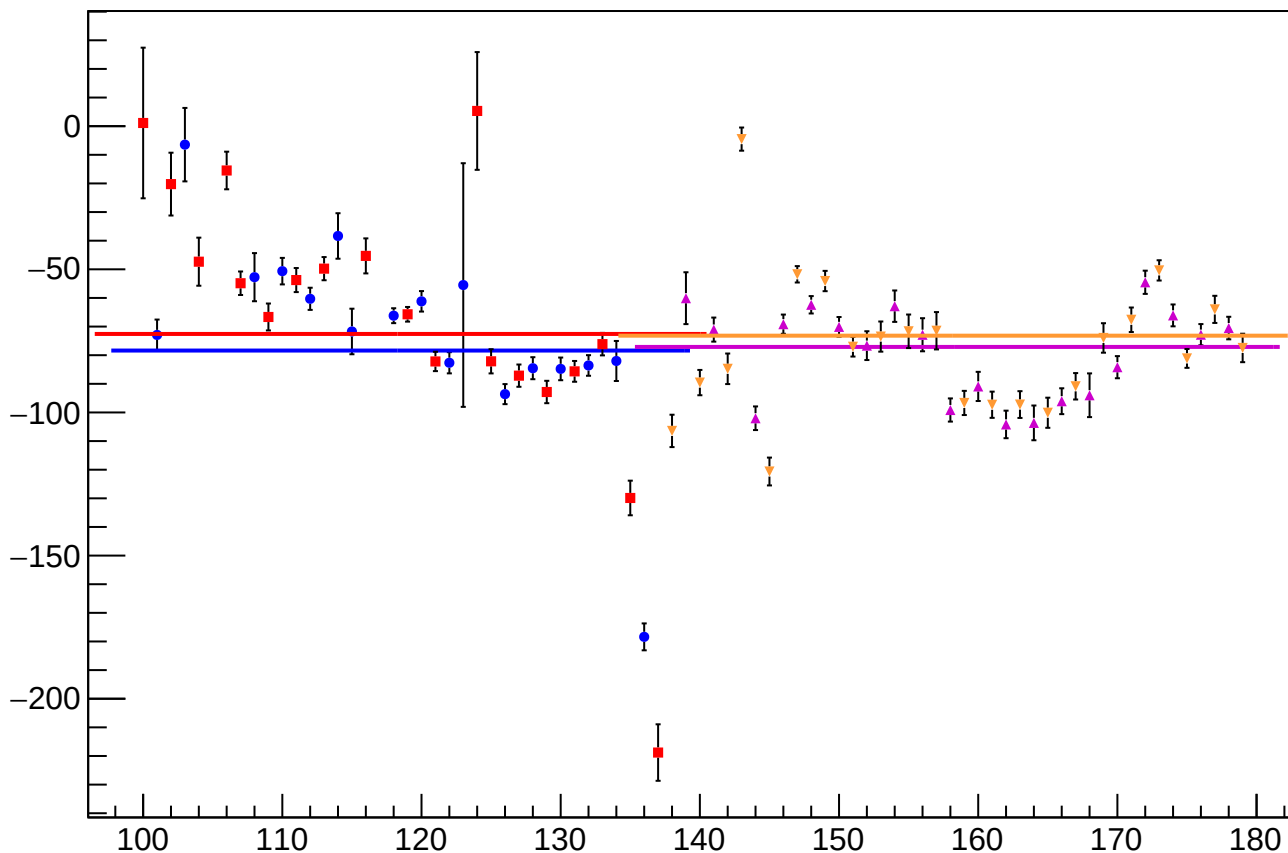
Left In: -173.142 ± 1.119 χ^2/NDF : 1389.8/19

+ sign -174.533 ± 0.930 χ^2/NDF : 3280.2/38

All: -175.715 ± 0.659 χ^2/NDF : 6456.8/77

- sign -176.907 ± 0.934 χ^2/NDF : 3173.3/38

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 $\chi^2/\text{NDF}: 651.4/16$

Left Out: -73.180 ± 0.921 $\chi^2/\text{NDF}: 702.4/21$

Right Out: -72.577 ± 1.052 $\chi^2/\text{NDF}: 605.8/18$

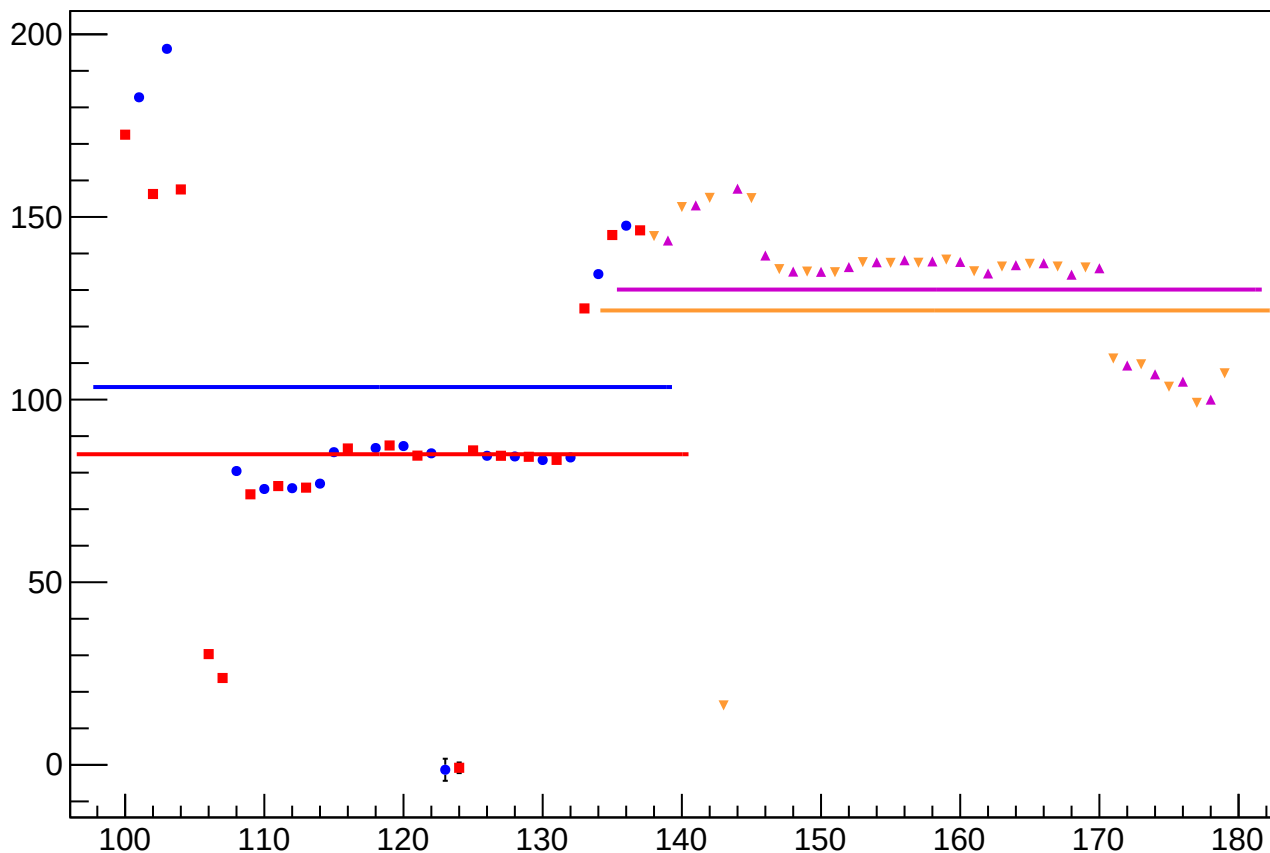
Left In: -77.109 ± 0.962 $\chi^2/\text{NDF}: 239.6/19$

+ sign -75.365 ± 0.701 $\chi^2/\text{NDF}: 1367.1/38$

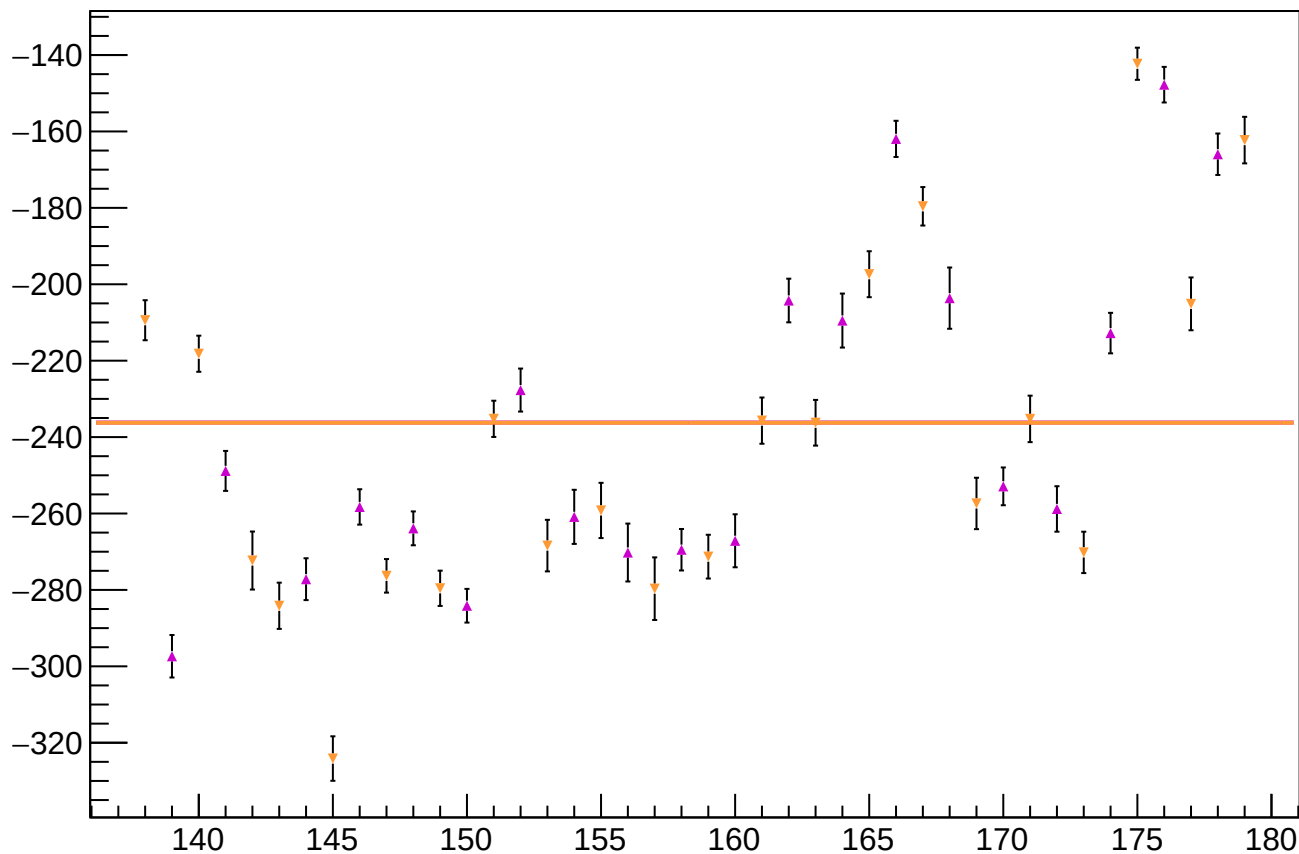
All: -75.207 ± 0.499 $\chi^2/\text{NDF}: 2222.8/77$

- sign -75.045 ± 0.710 $\chi^2/\text{NDF}: 855.6/38$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



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

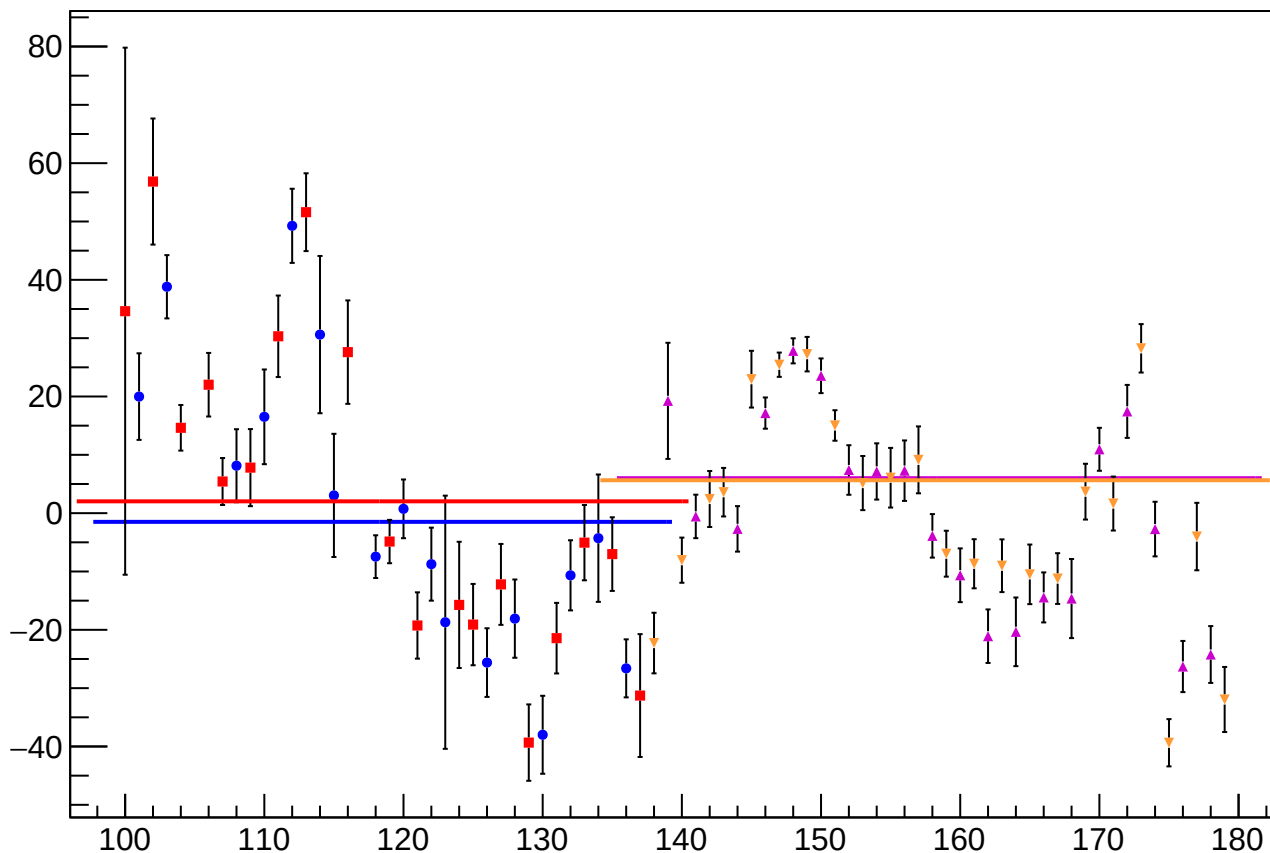
Left In: -236.193+/-1.221 χ^2/NDF : 1336.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -236.218+/-0.856 χ^2/NDF : 2842.7/41

- 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

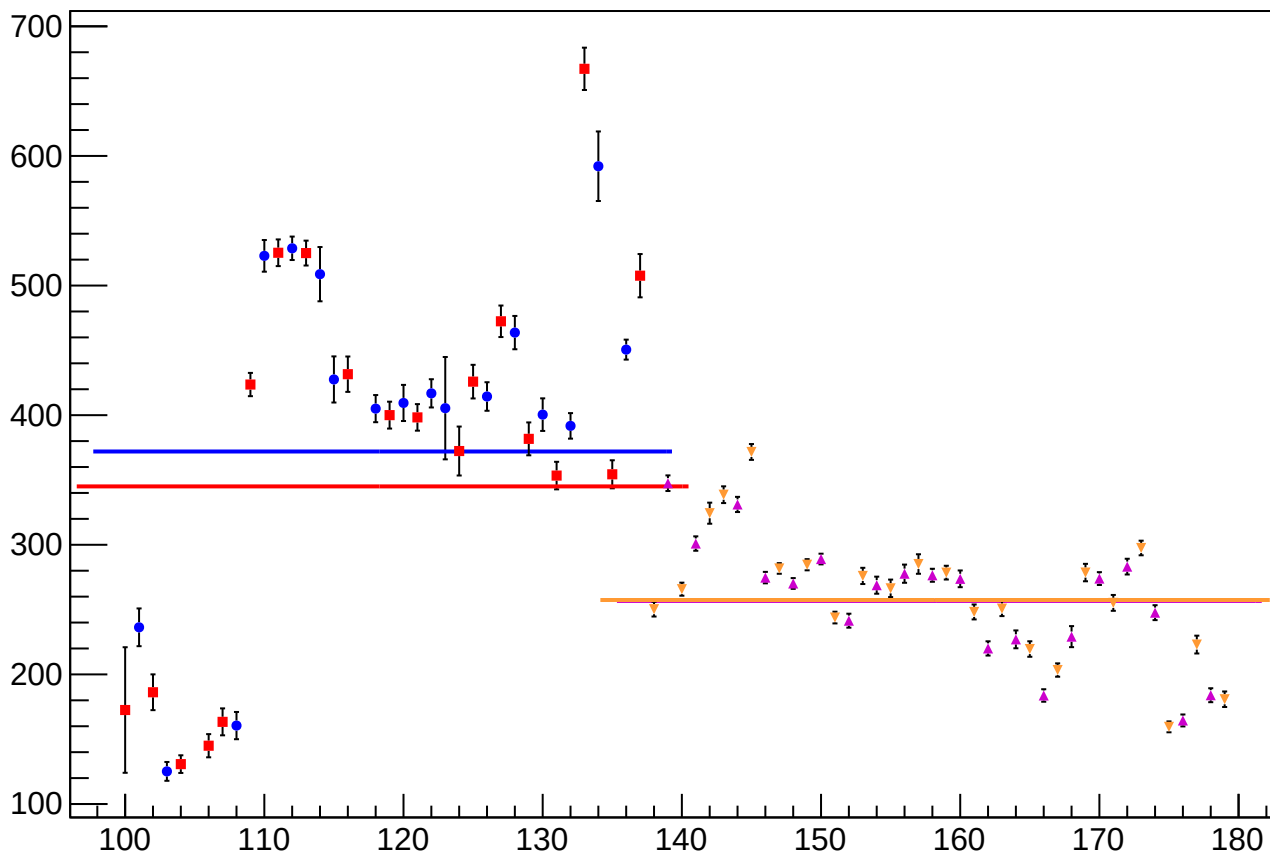
Left In: 5.995 ± 0.882 χ^2/NDF : 376.7/19

+ sign 3.972 ± 0.743 χ^2/NDF : 714.1/38

All: 4.418 ± 0.527 χ^2/NDF : 1330.5/77

- sign 4.867 ± 0.746 χ^2/NDF : 615.7/38

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

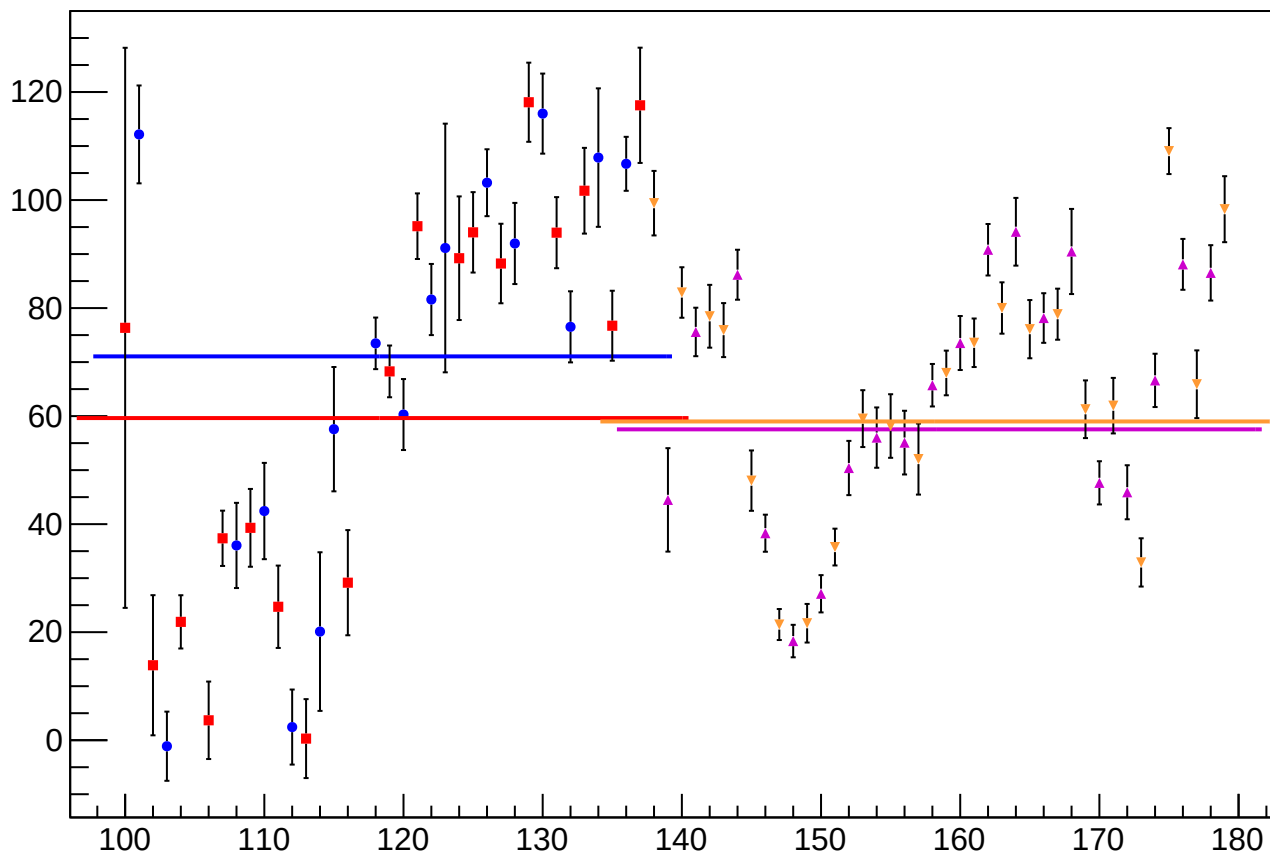
Left In: 256.669 $\pm$ 1.203 χ^2 /NDF:1503.0/19

+ sign 275.070 $\pm$ 1.091 χ^2 /NDF: 5520.0/38

All: 273.855 $\pm$ 0.771 χ^2 /NDF: 11415.3/77

- sign 272.644 $\pm$ 1.089 χ^2 /NDF: 5892.9/38

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 59.010 $\pm$ 0.994 χ^2 /NDF: 705.2/21

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

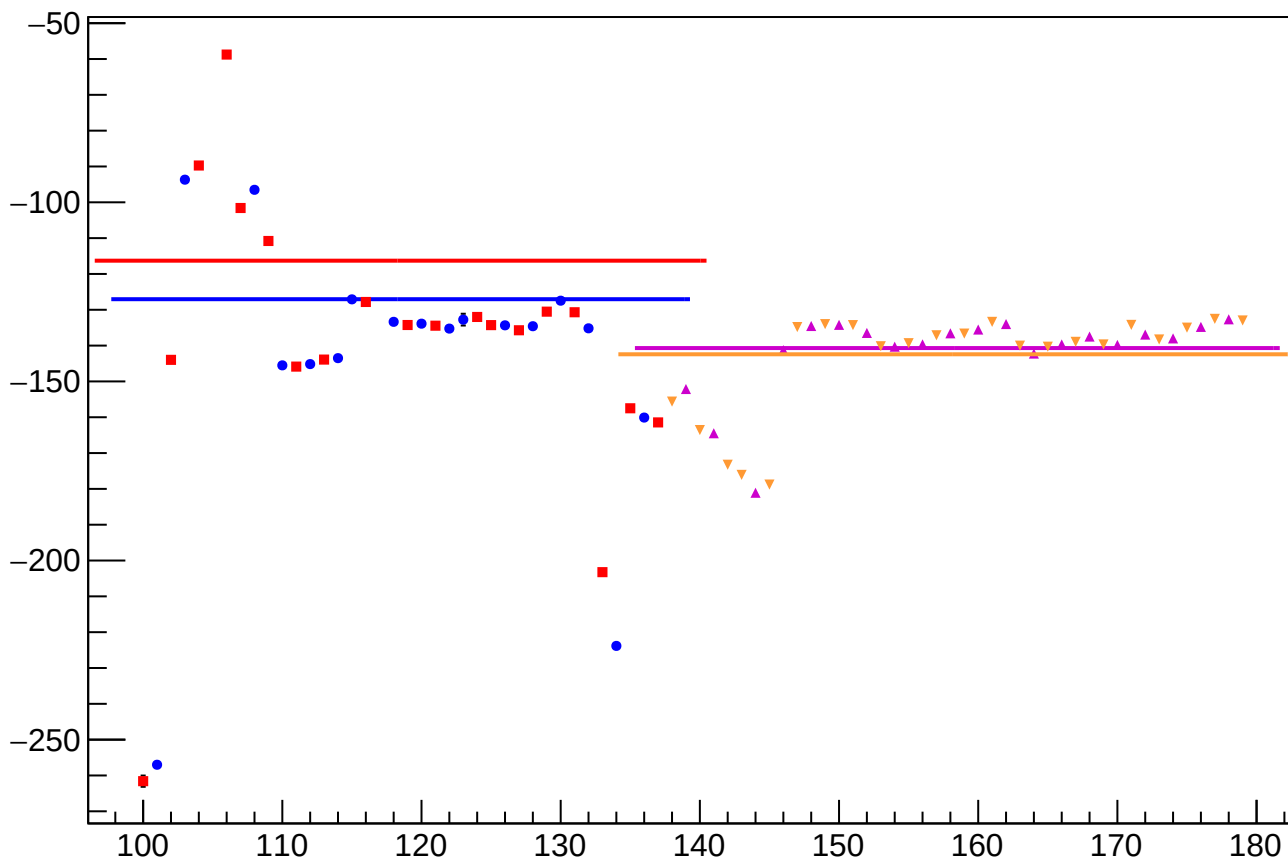
Left In: 57.548 $\pm$ 1.025 χ^2 /NDF: 561.4/19

+ sign 61.915 $\pm$ 0.866 χ^2 /NDF: 1166.8/38

All: 60.031 $\pm$ 0.613 χ^2 /NDF: 2230.5/77

- sign 58.139 $\pm$ 0.868 χ^2 /NDF: 1054.3/38

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -142.425+/-0.048 χ^2/NDF : 76037.0/21

Right Out: -116.295+/-0.083 χ^2/NDF : 167109.1/18

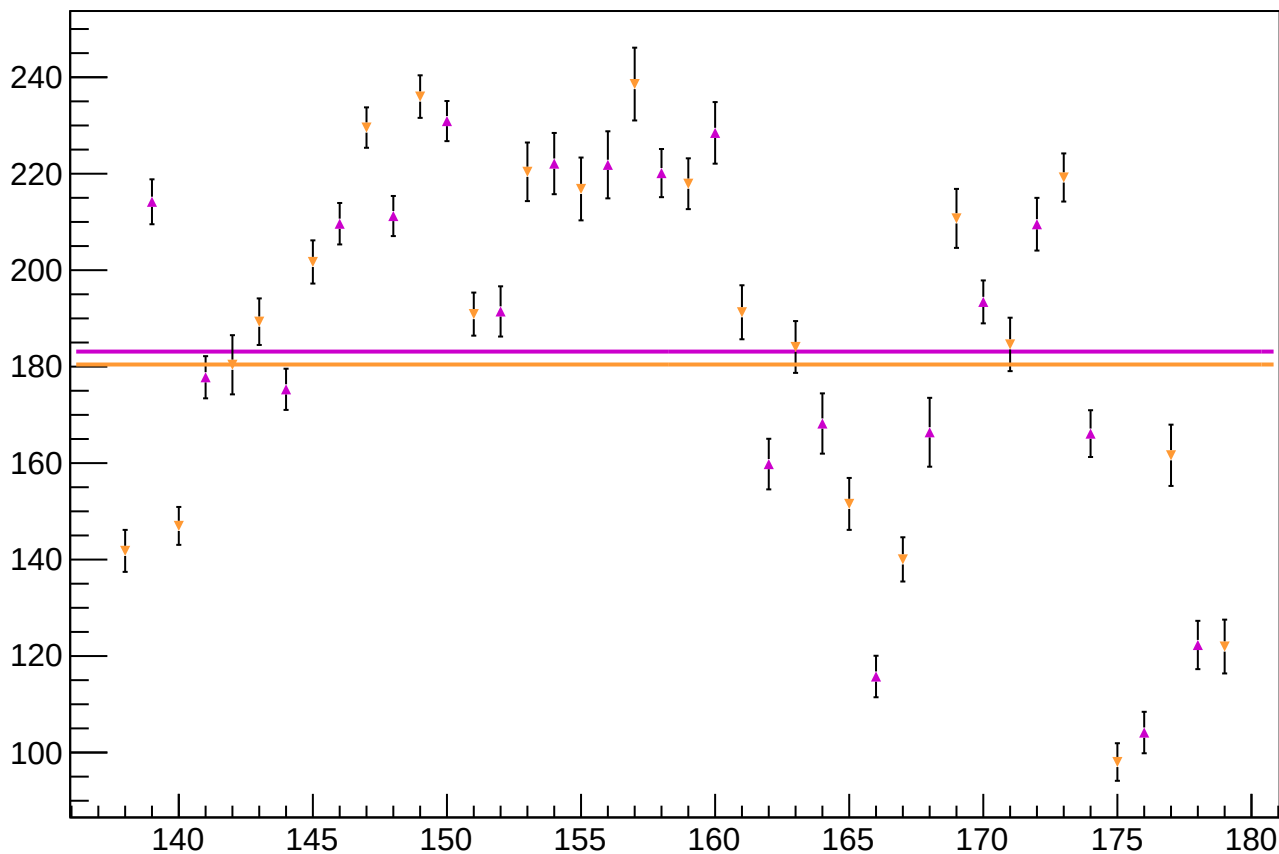
Left In: -140.689+/-0.048 χ^2/NDF : 46303.5/19

+ sign -139.018+/-0.042 χ^2/NDF : 265884.7/38

All: -136.748+/-0.030 χ^2/NDF : 549623.5/77

- sign -134.543+/-0.042 χ^2/NDF : 278051.5/38

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

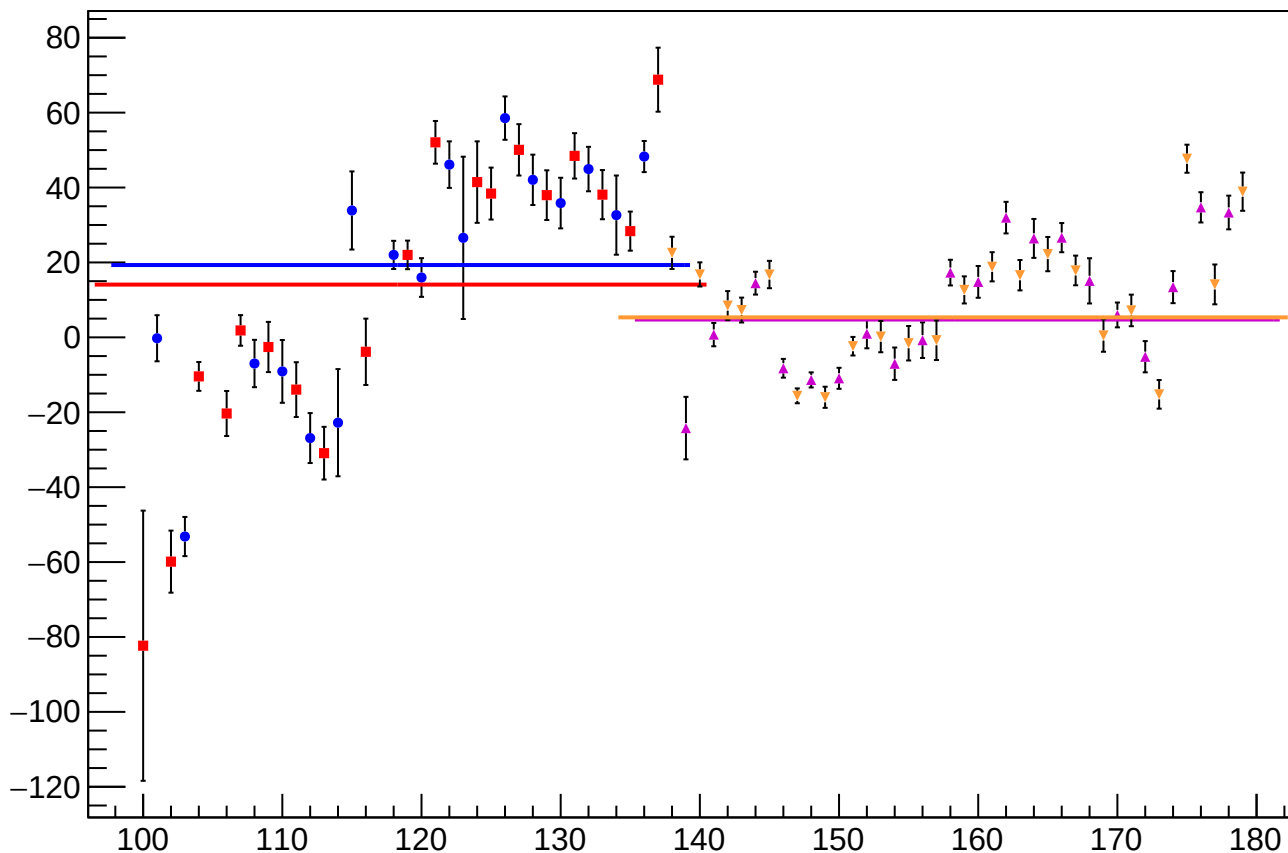
Left In: 183.123+/-1.100 χ^2/NDF :1244.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 181.748+/-0.768 χ^2/NDF : 2673.3/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 $\pm$ 1.500 χ^2 /NDF: 441.3/16

Left Out: 5.331 $\pm$ 0.767 χ^2 /NDF: 474.2/21

Right Out: 14.083 $\pm$ 1.390 χ^2 /NDF: 436.9/18

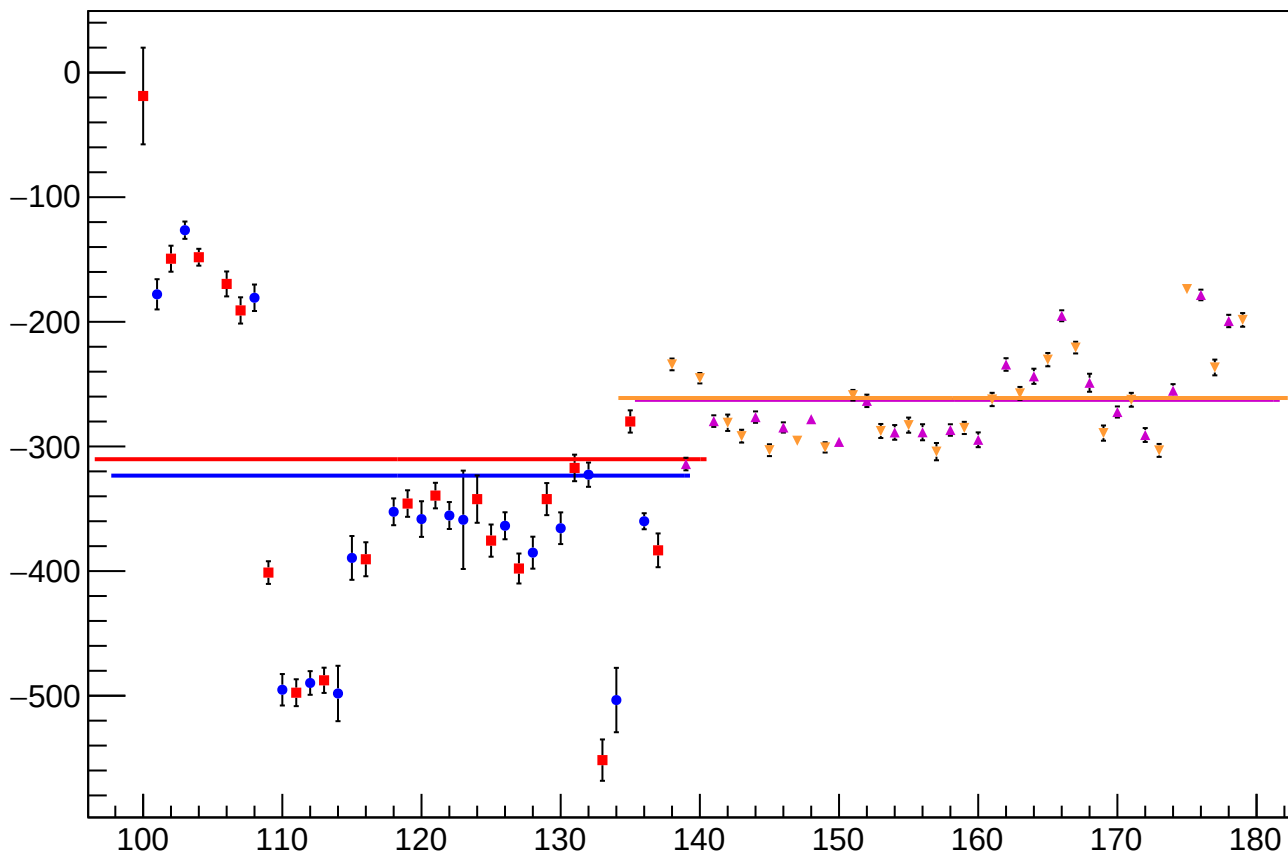
Left In: 4.757 $\pm$ 0.800 χ^2 /NDF: 373.5/19

+ sign 8.224 $\pm$ 0.683 χ^2 /NDF: 984.3/38

All: 7.661 $\pm$ 0.487 χ^2 /NDF: 1829.9/77

- sign 7.080 $\pm$ 0.694 χ^2 /NDF: 844.2/38

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 $\chi^2/\text{NDF}: 2298.8/18$

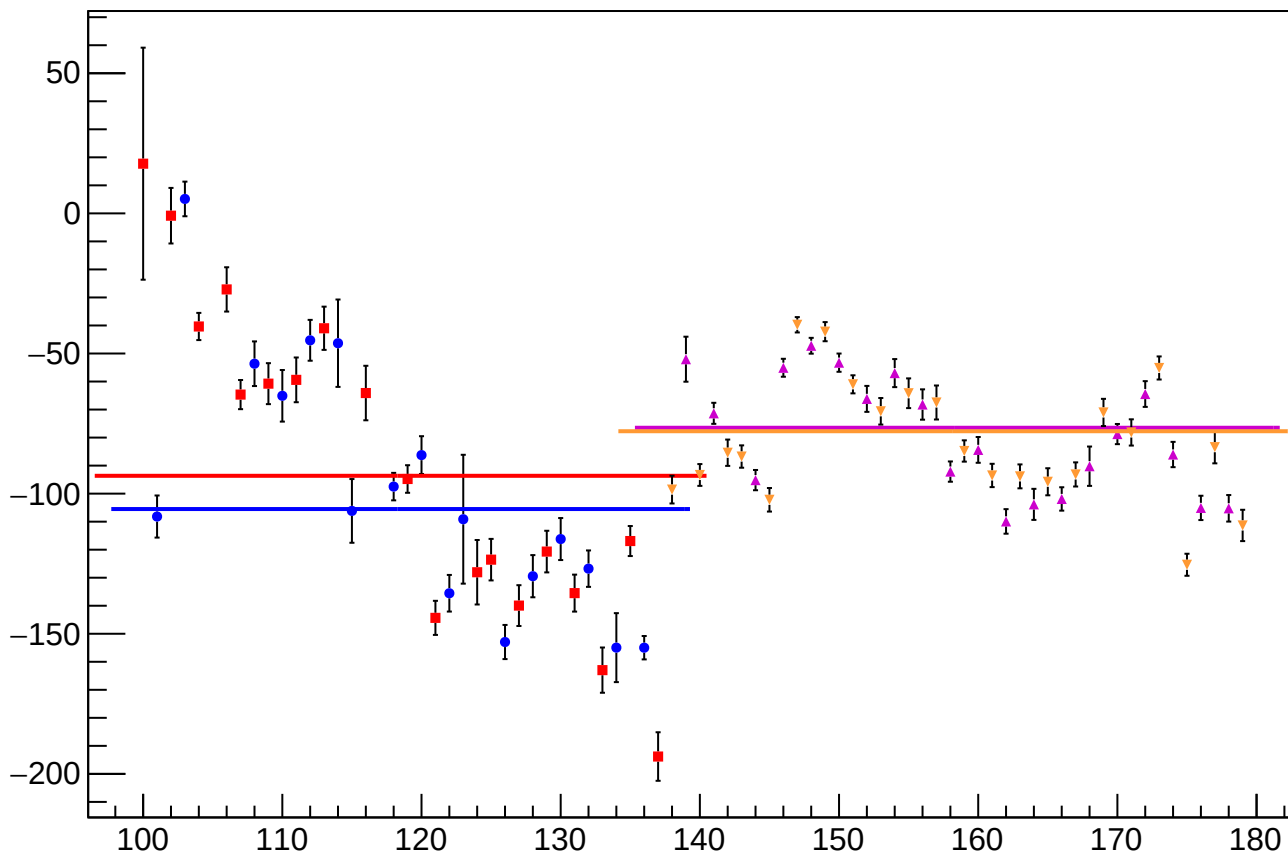
Left In: -262.620 ± 1.088 $\chi^2/\text{NDF}: 1207.8/19$

+ sign -269.606 ± 0.990 $\chi^2/\text{NDF}: 3596.1/38$

All: -269.842 ± 0.703 $\chi^2/\text{NDF}: 7403.1/77$

- sign -270.083 ± 0.999 $\chi^2/\text{NDF}: 3806.9/38$

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

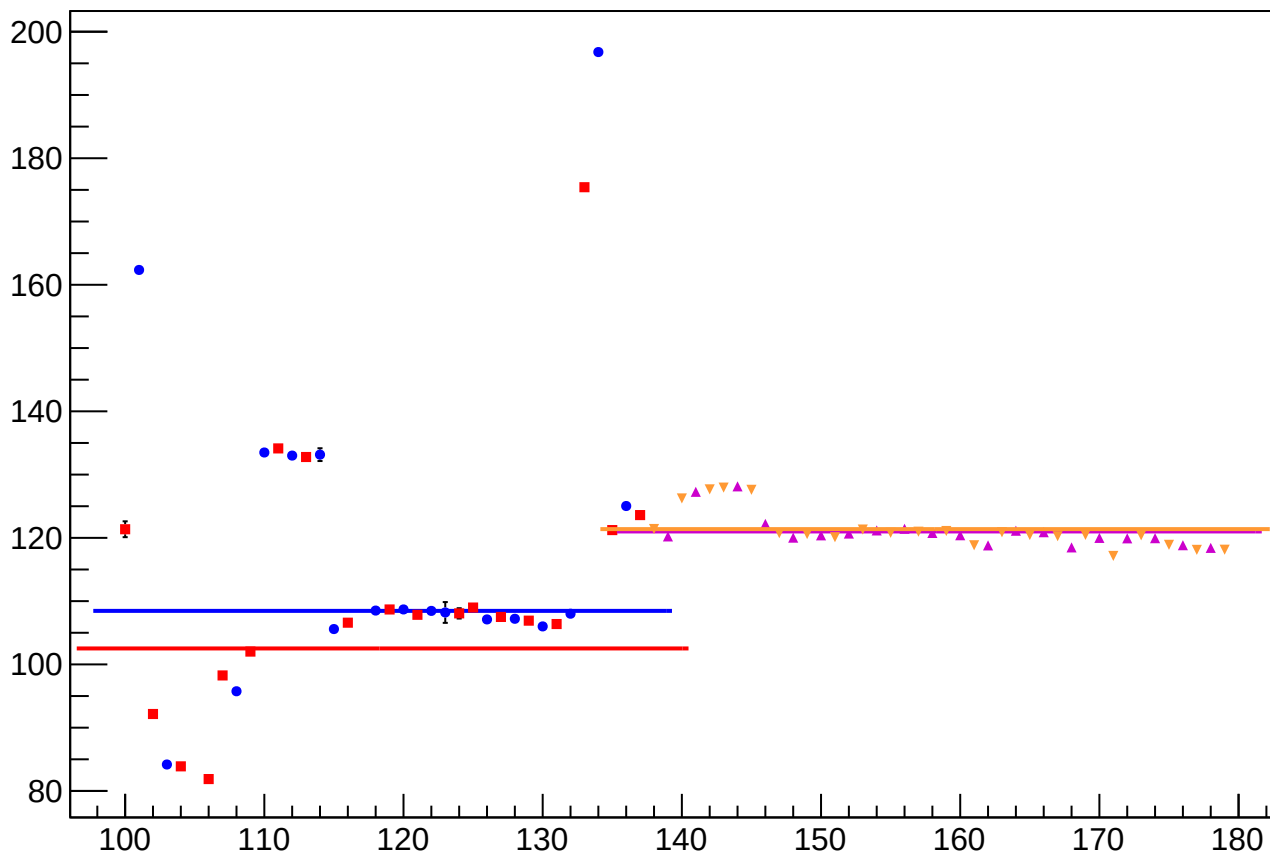
Left In: -76.496 ± 0.929 χ^2/NDF : 500.6/19

+ sign -83.698 ± 0.794 χ^2/NDF : 1633.5/38

All: -82.258 ± 0.565 χ^2/NDF : 3052.9/77

- sign -80.777 ± 0.805 χ^2/NDF : 1412.7/38

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 121.383 $\pm$ 0.043 χ^2 /NDF: 4712.4/21

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

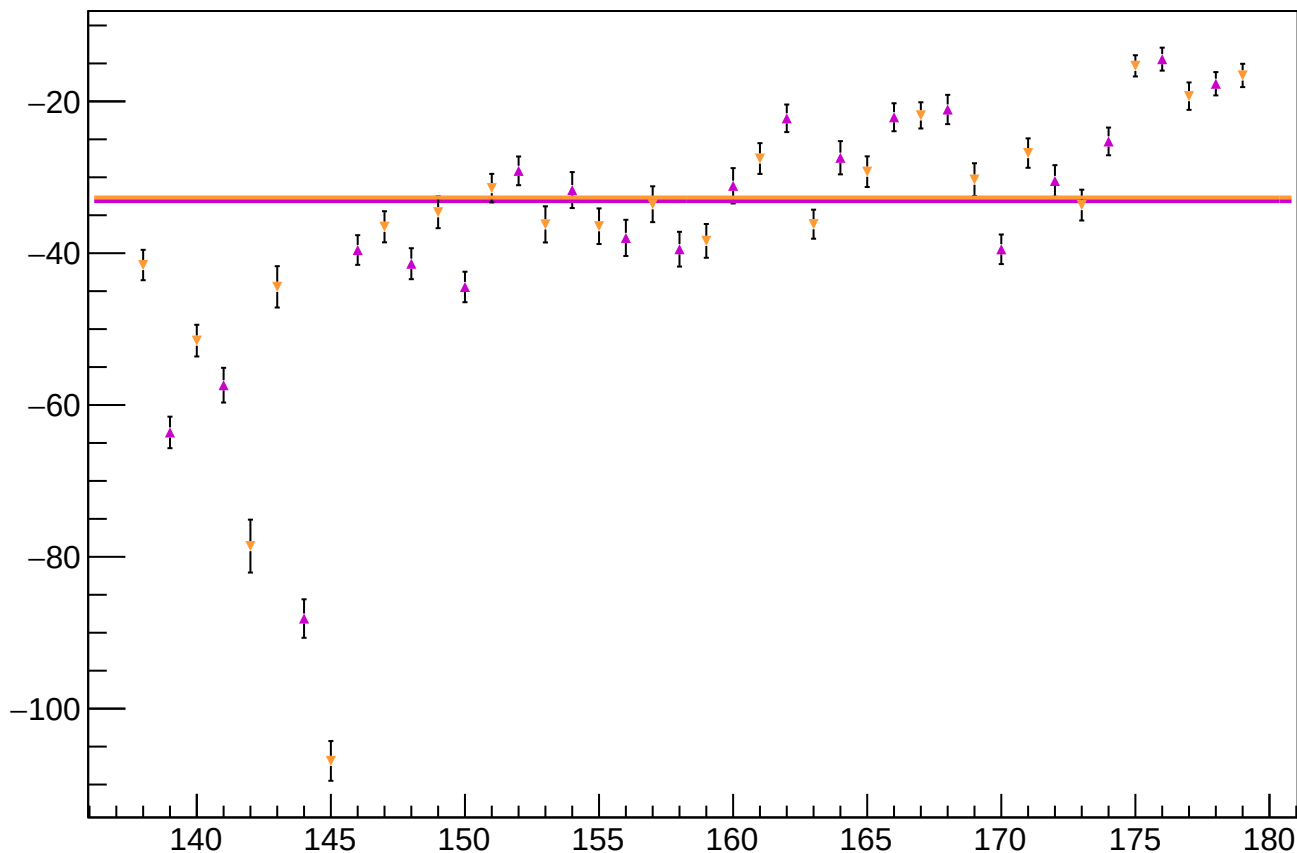
Left In: 121.014 $\pm$ 0.043 χ^2 /NDF: 3067.8/19

+ sign 118.756 $\pm$ 0.038 χ^2 /NDF: 96430.2/38

All: 117.753 $\pm$ 0.027 χ^2 /NDF: 195459.3/77

- sign 116.759 $\pm$ 0.038 χ^2 /NDF: 97666.1/38

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

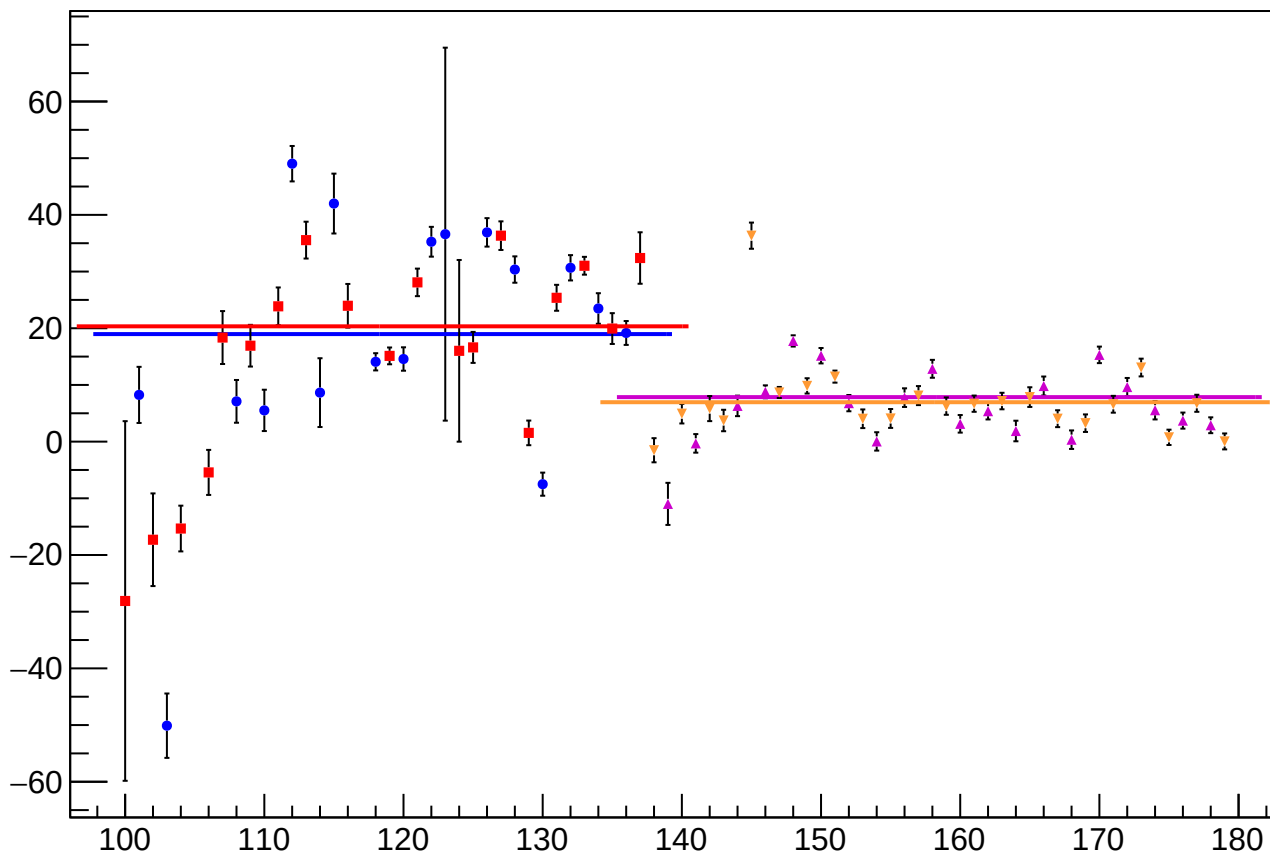
Left In: -33.137+/-0.444 χ^2/NDF : 1276.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.893+/-0.309 χ^2/NDF : 2771.7/41

- 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

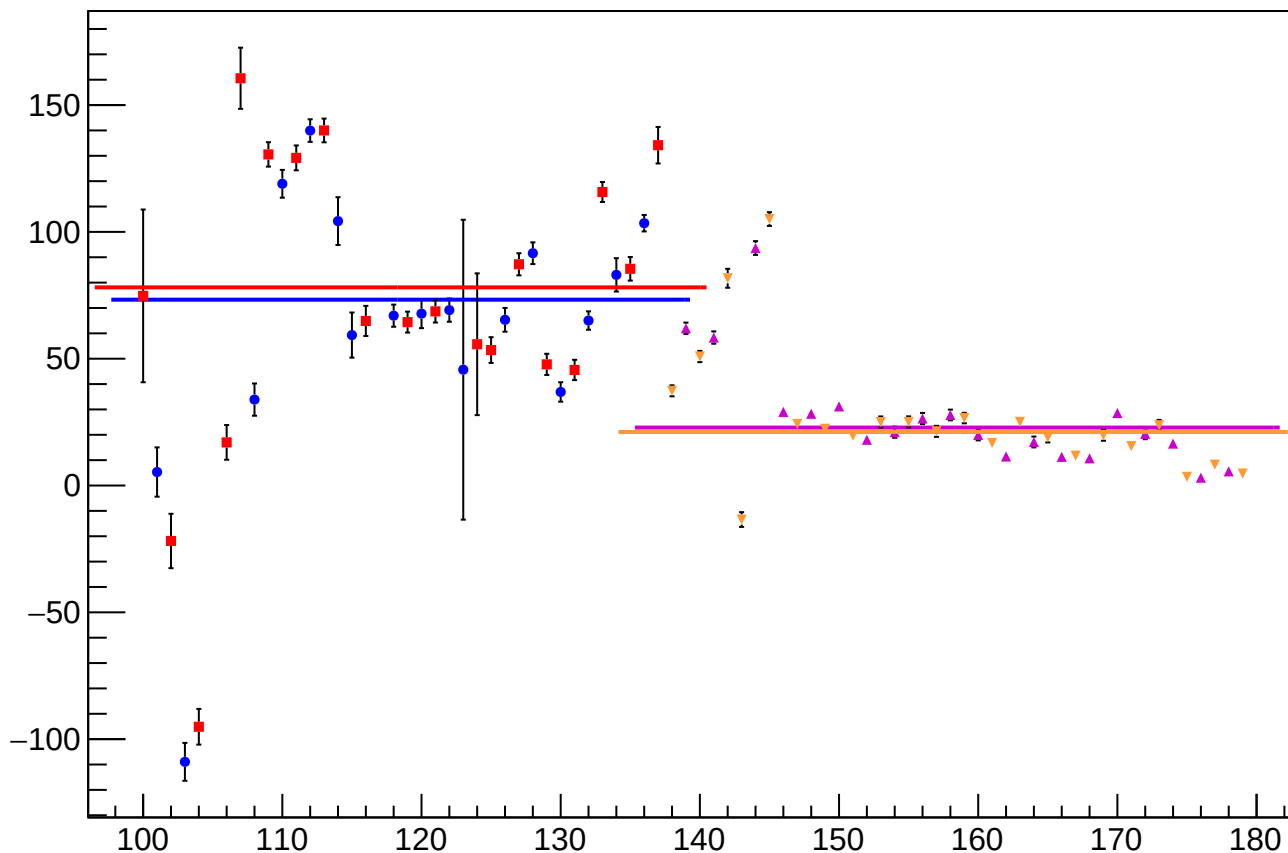
Left In: 7.850 ± 0.336 χ^2/NDF : 310.4/19

+ sign 9.284 ± 0.288 χ^2/NDF : 1176.3/38

All: 9.886 ± 0.207 χ^2/NDF : 2159.1/77

- sign 10.528 ± 0.297 χ^2/NDF : 973.8/38

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

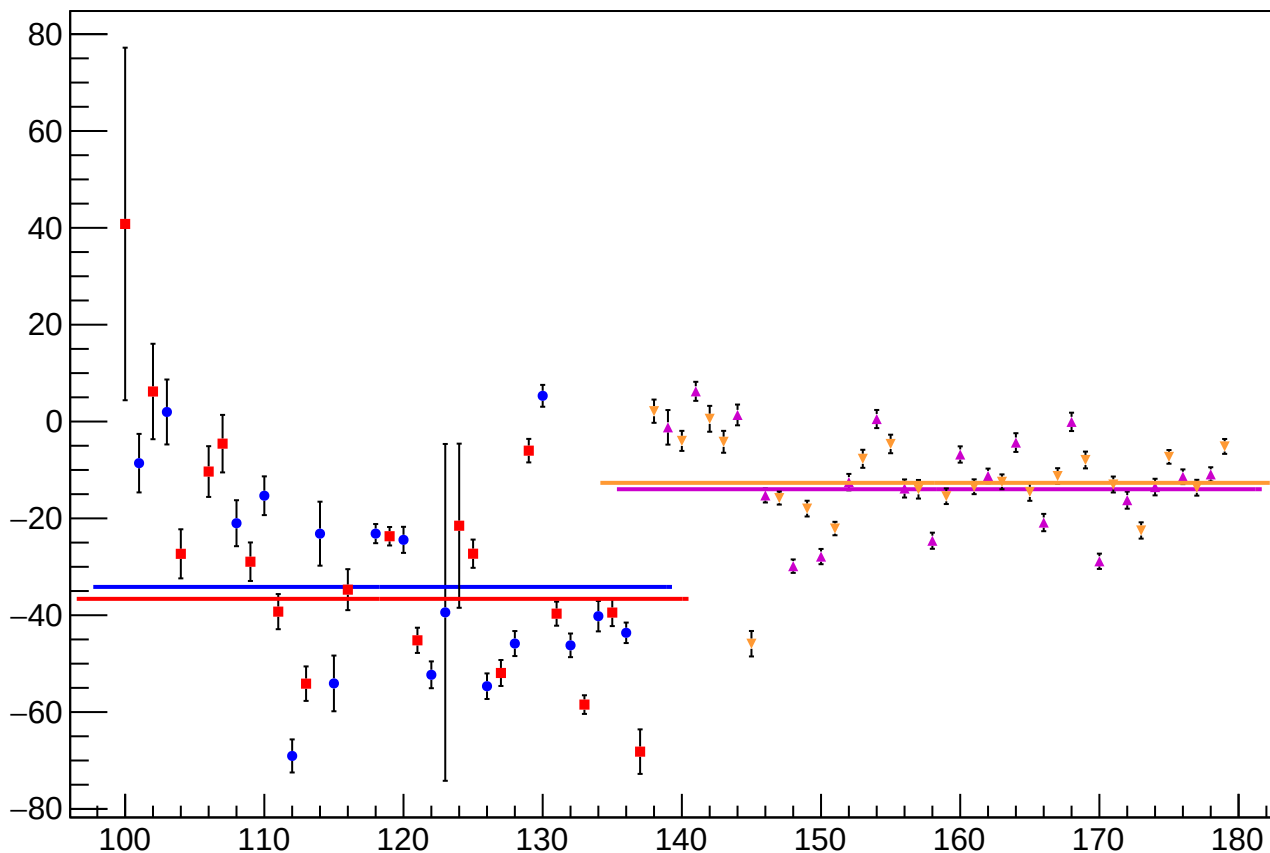
Left In: 22.852 $\pm$ 0.438 χ^2 /NDF: 1701.1/19

+ sign 26.632 $\pm$ 0.402 χ^2 /NDF: 4790.3/38

All: 27.856 $\pm$ 0.288 χ^2 /NDF: 9865.5/77

- sign 29.145 $\pm$ 0.412 χ^2 /NDF: 5056.2/38

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 $\chi^2/\text{NDF}: 717.5/16$

Left Out: -12.662 ± 0.367 $\chi^2/\text{NDF}: 426.5/21$

Right Out: -36.618 ± 0.736 $\chi^2/\text{NDF}: 547.0/18$

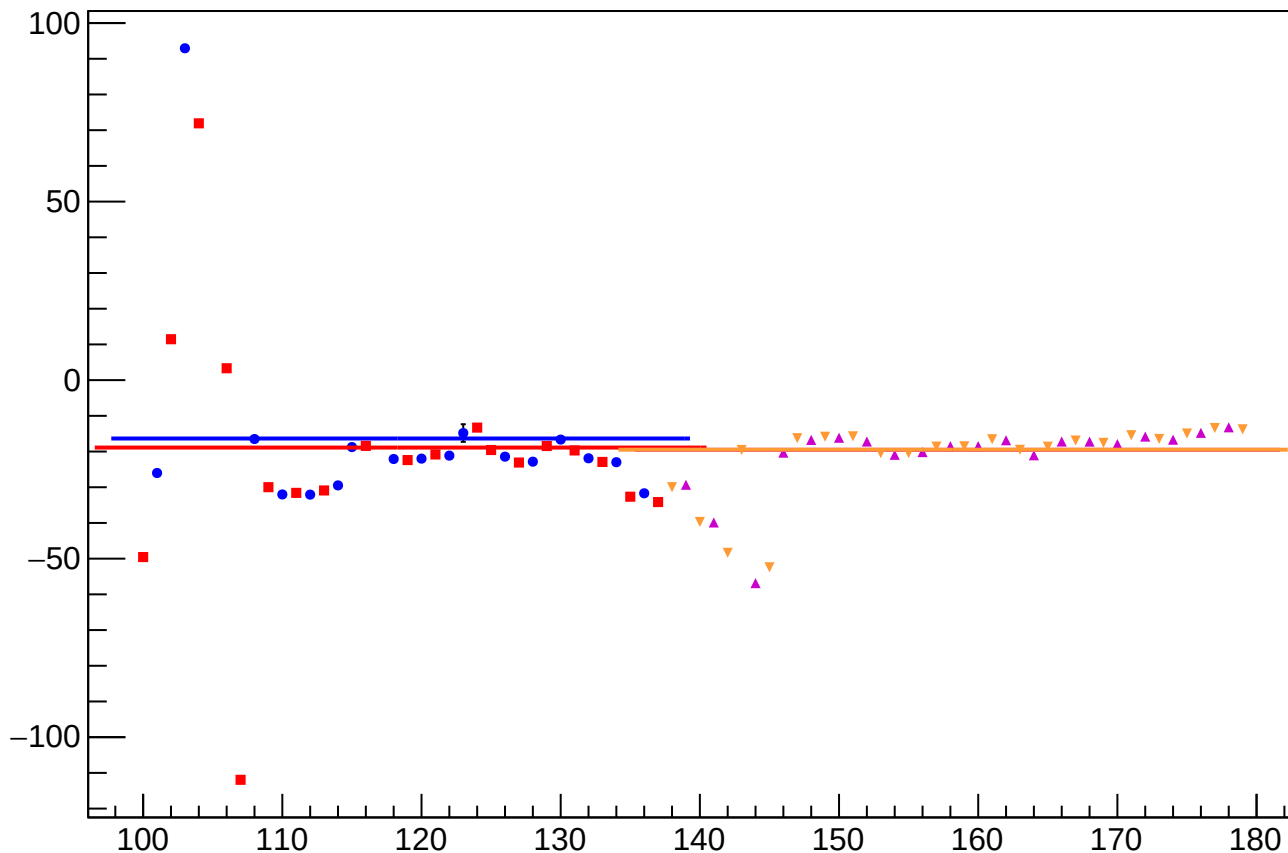
Left In: -13.979 ± 0.383 $\chi^2/\text{NDF}: 693.4/19$

+ sign -16.853 ± 0.329 $\chi^2/\text{NDF}: 1814.1/38$

All: -17.795 ± 0.236 $\chi^2/\text{NDF}: 3816.7/77$

- sign -18.798 ± 0.339 $\chi^2/\text{NDF}: 1985.7/38$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -19.482 ± 0.017 $\chi^2/\text{NDF}: 224397.5/21$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

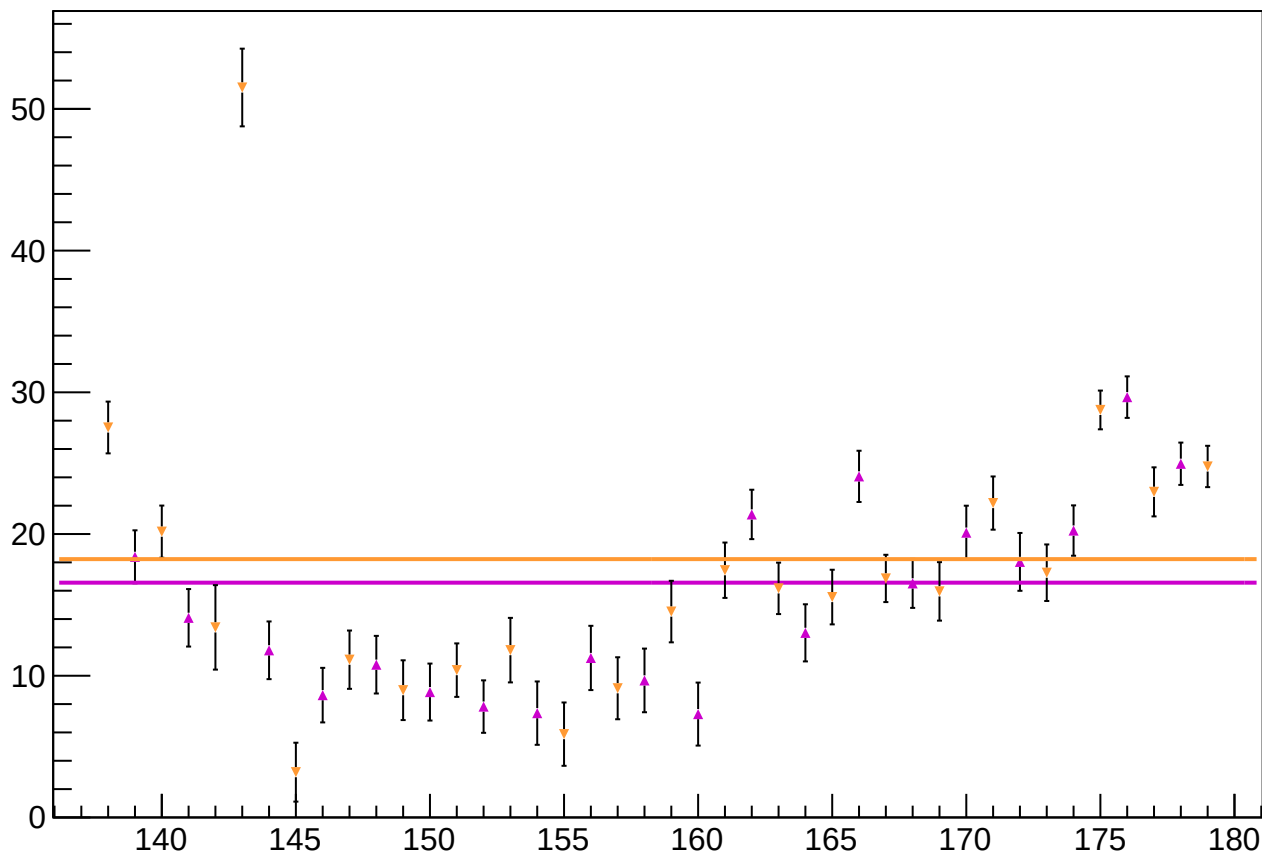
Left In: -19.533 ± 0.017 $\chi^2/\text{NDF}: 182706.8/19$

+ sign -19.087 ± 0.016 $\chi^2/\text{NDF}: 702894.7/38$

All: -19.264 ± 0.011 $\chi^2/\text{NDF}: 1319829.4/77$

- sign -19.450 ± 0.016 $\chi^2/\text{NDF}: 616678.2/38$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 18.229 $\pm$ 0.411 χ^2/NDF :433.2/21

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

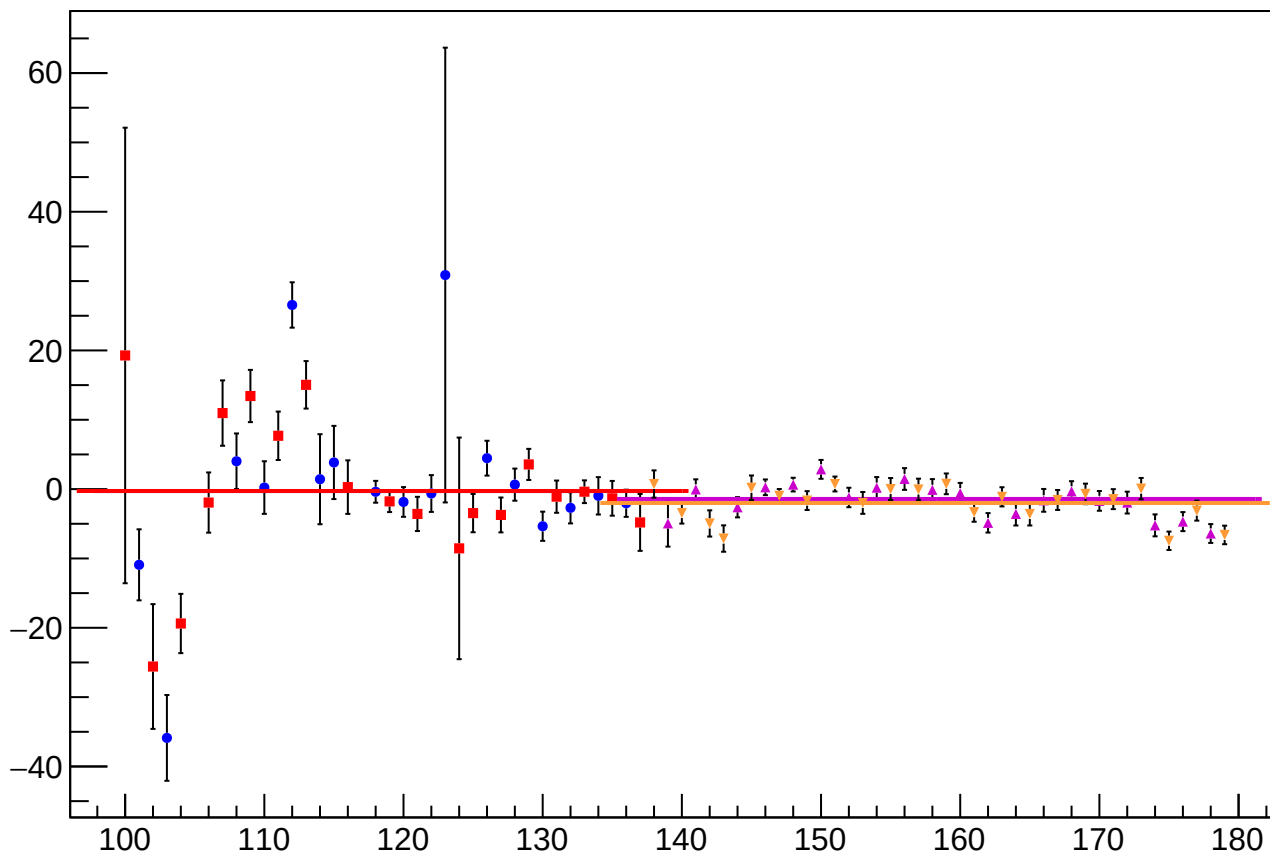
Left In: 16.568 $\pm$ 0.423 χ^2/NDF :267.1/19

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

All: 17.424 $\pm$ 0.295 χ^2/NDF : 708.2/41

- sign 0.000 $\pm$ 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

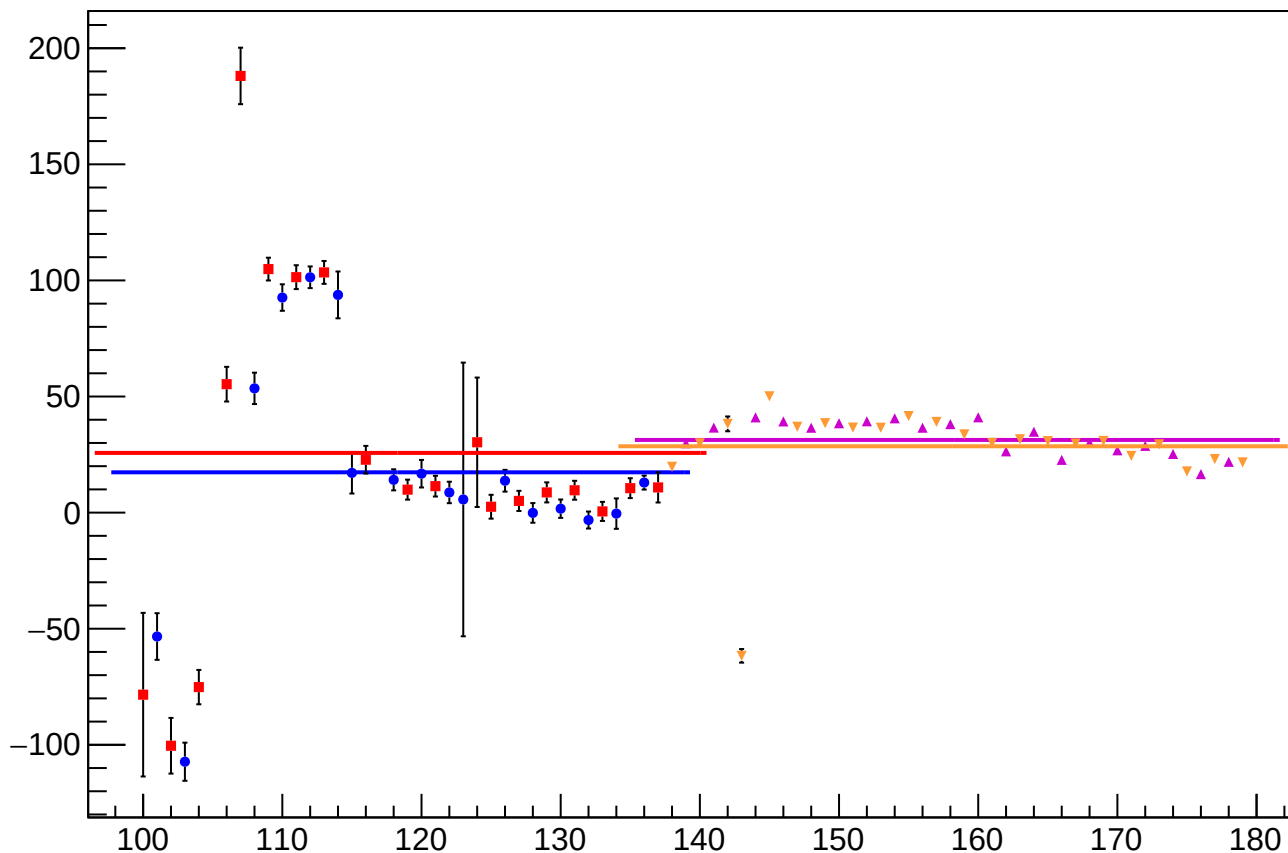
Left In: -1.419 ± 0.322 χ^2/NDF : 58.0/19

+ sign -1.697 ± 0.279 χ^2/NDF : 187.9/38

All: -1.455 ± 0.201 χ^2/NDF : 333.1/77

- sign -1.196 ± 0.289 χ^2/NDF : 143.6/38

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 ± 1.247 χ^2/NDF : 943.0/16

Left Out: 28.568 ± 0.406 χ^2/NDF : 1337.7/21

Right Out: 25.717 ± 1.243 χ^2/NDF : 1378.8/18

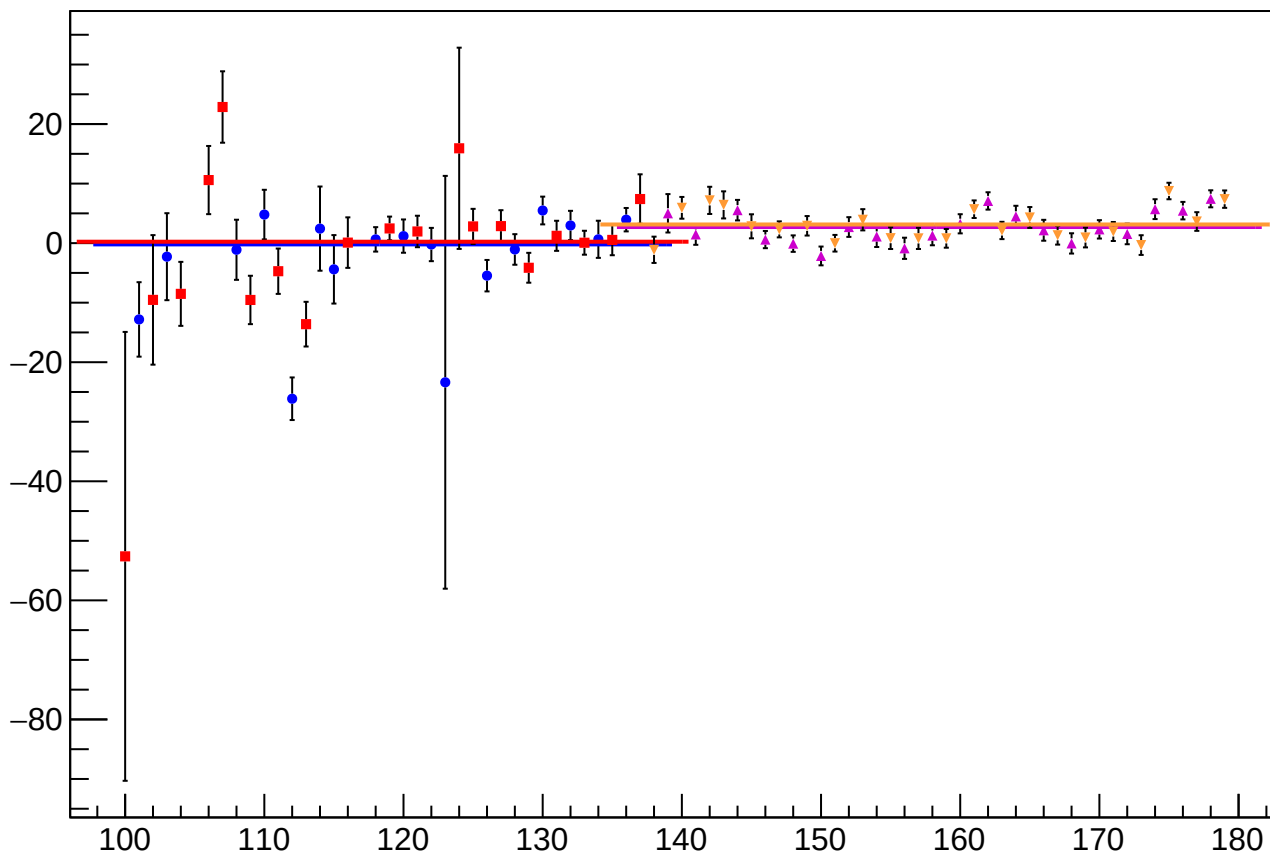
Left In: 31.296 ± 0.419 χ^2/NDF : 341.7/19

+ sign 27.492 ± 0.386 χ^2/NDF : 2353.7/38

All: 29.067 ± 0.277 χ^2/NDF : 4126.5/77

- sign 30.728 ± 0.397 χ^2/NDF : 1738.6/38

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

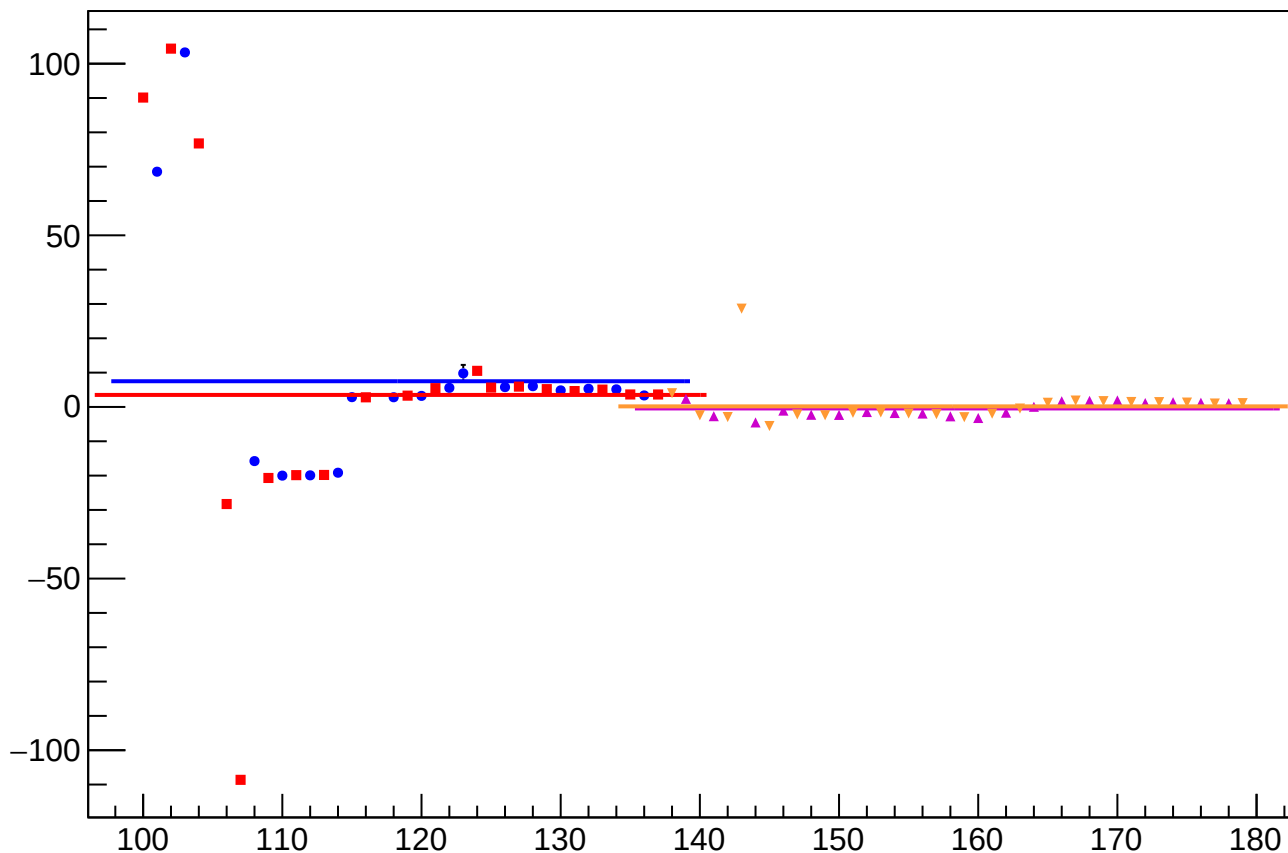
Left In: 2.707 ± 0.366 χ^2/NDF : 56.1/19

+ sign 2.533 ± 0.319 χ^2/NDF : 151.6/38

All: 2.386 ± 0.229 χ^2/NDF : 271.4/77

- sign 2.230 ± 0.329 χ^2/NDF : 119.4/38

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 $\chi^2/\text{NDF}: 510579.4/18$

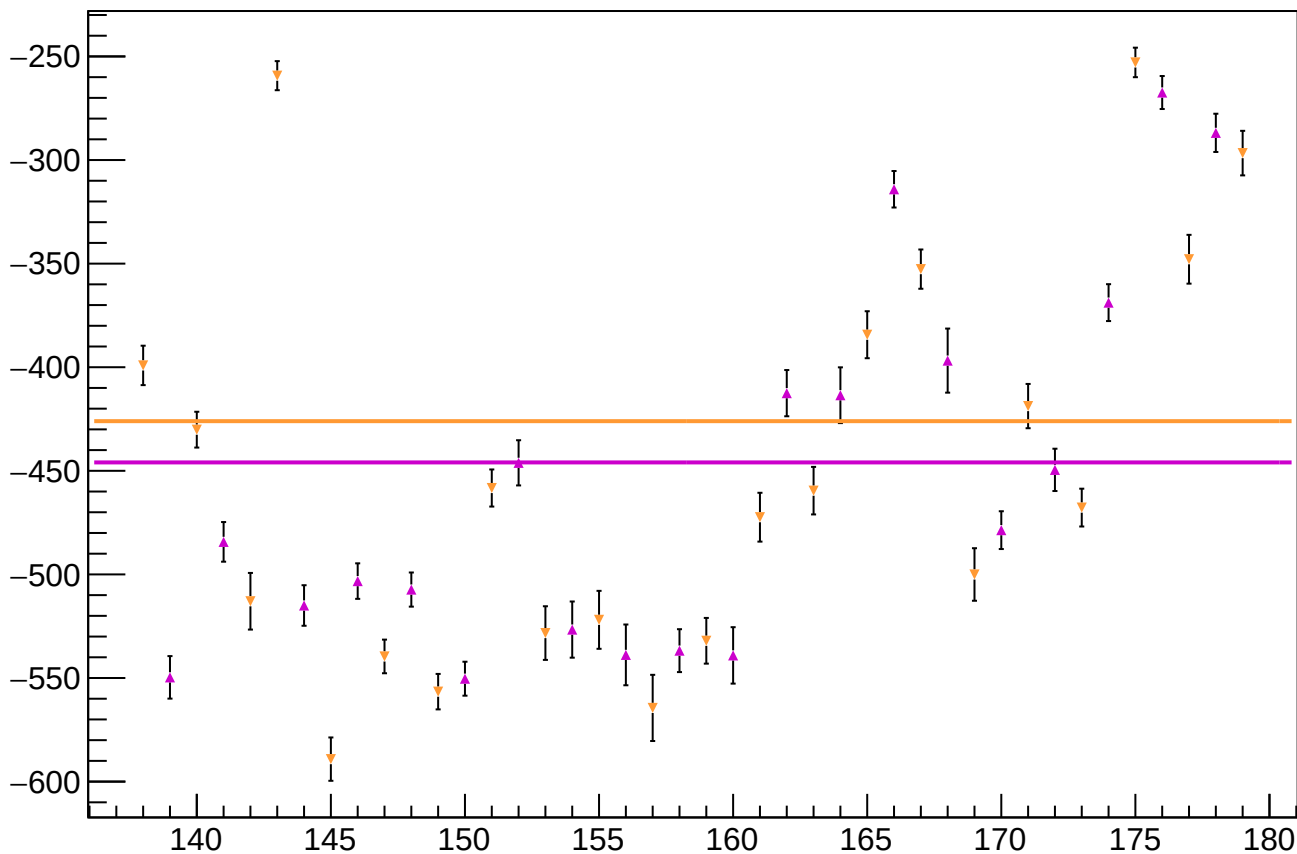
Left In: -0.438 ± 0.017 $\chi^2/\text{NDF}: 14129.4/19$

+ sign 1.019 ± 0.015 $\chi^2/\text{NDF}: 457401.6/38$

All: 0.531 ± 0.011 $\chi^2/\text{NDF}: 990818.4/77$

- sign 0.020 ± 0.016 $\chi^2/\text{NDF}: 531306.6/38$

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

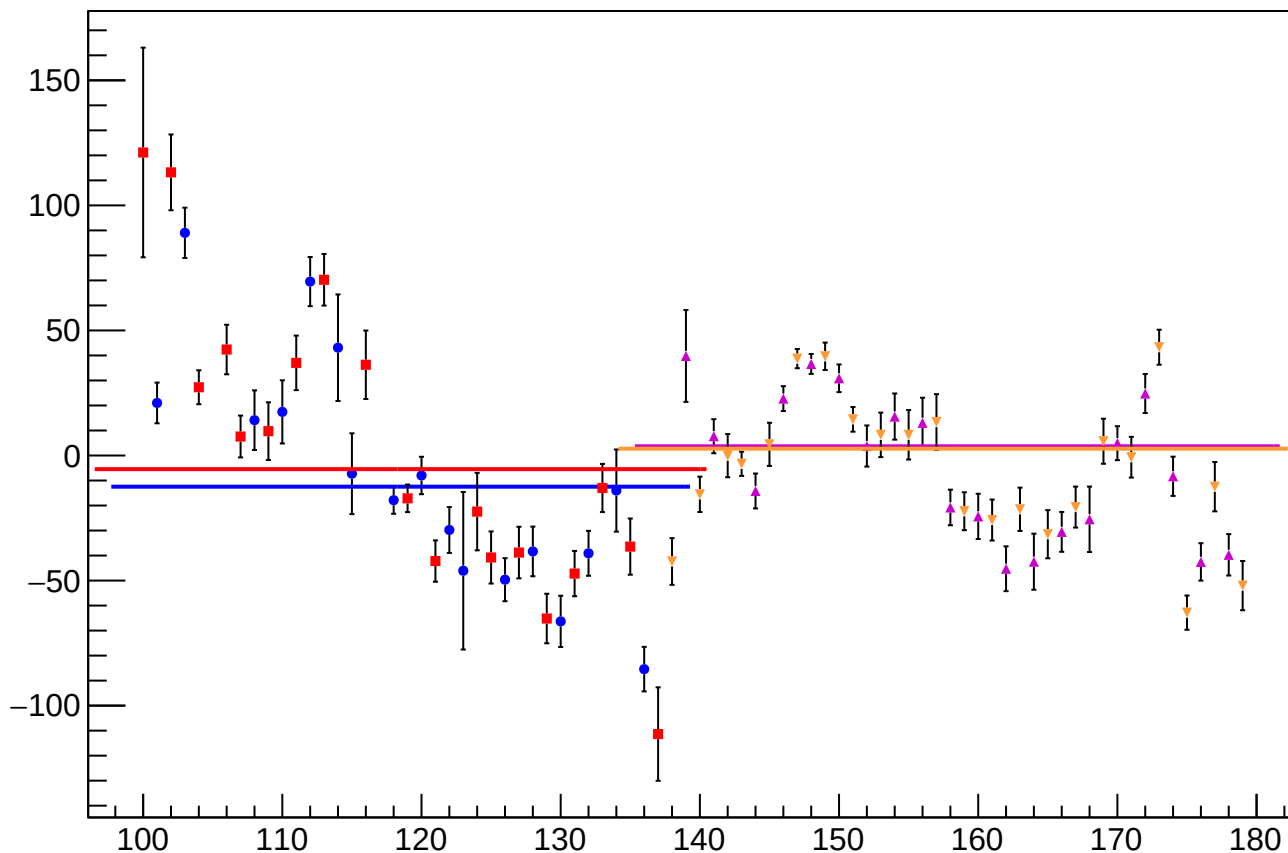
Left In: -445.947+/-2.238 χ^2/NDF : 1767.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -435.509+/-1.544 χ^2/NDF : 4315.4/41

- 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

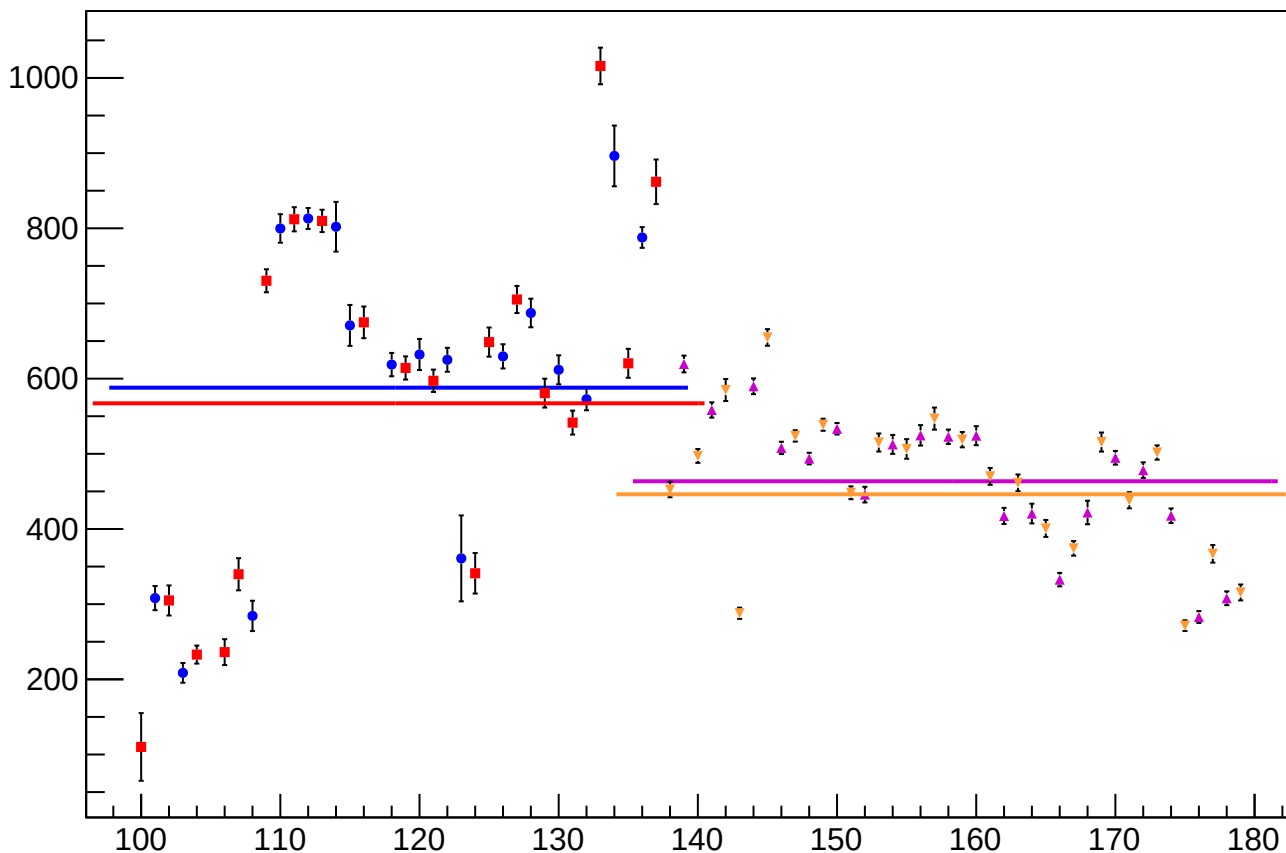
Left In: 3.677 ± 1.625 χ^2/NDF : 287.3/19

+ sign -1.736 ± 1.274 χ^2/NDF : 753.2/38

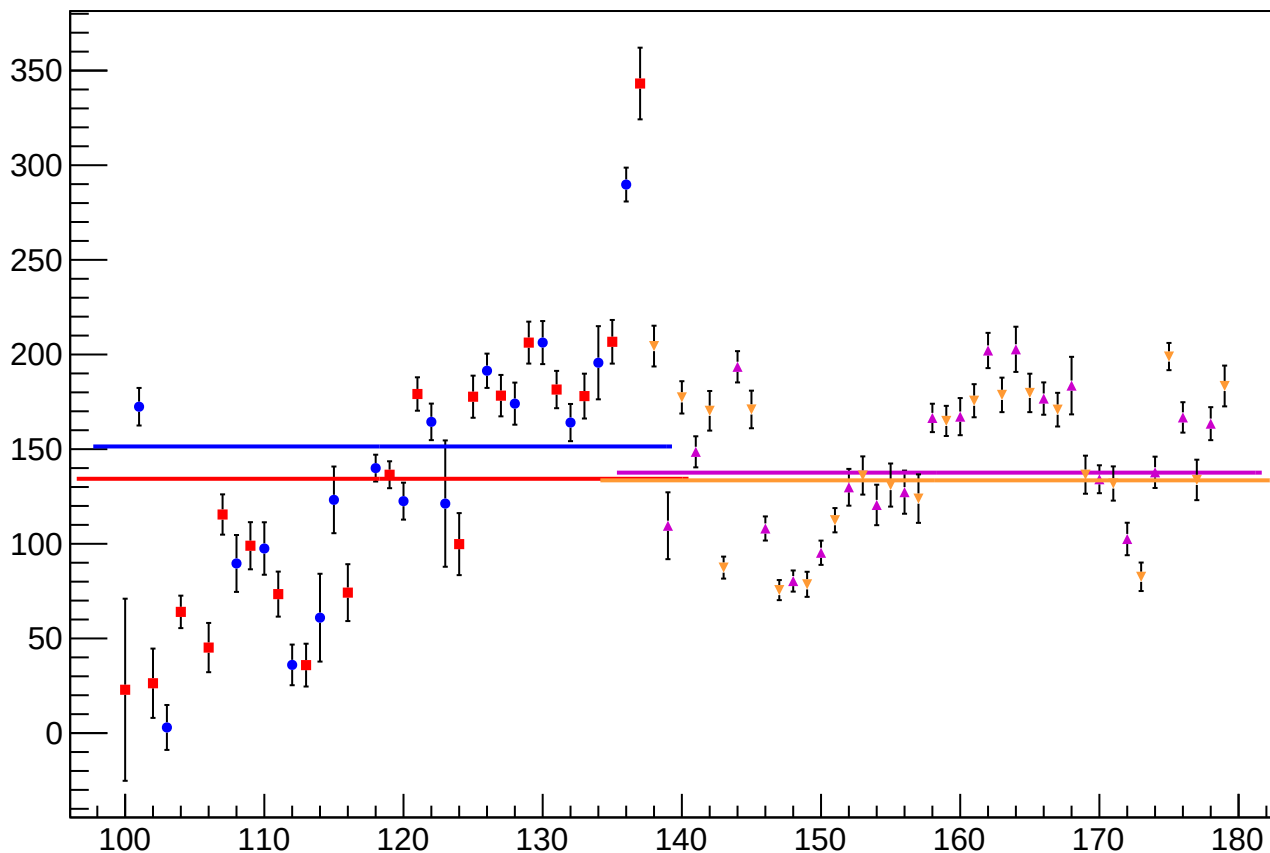
All: -0.628 ± 0.916 χ^2/NDF : 1397.8/77

- sign 0.562 ± 1.319 χ^2/NDF : 643.0/38

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

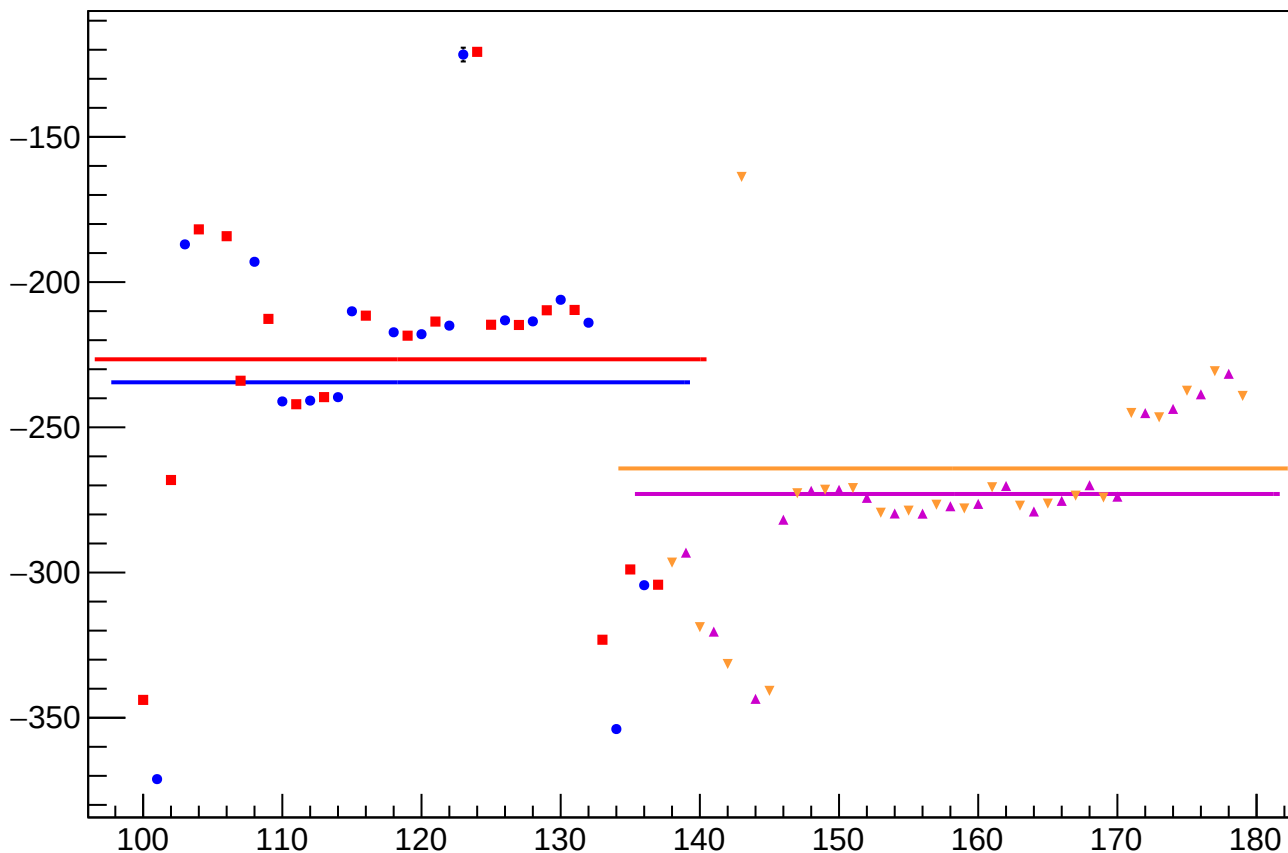
Left In: 137.594 $\pm$ 1.887 χ^2 /NDF: 395.1/19

+ sign 138.902 $\pm$ 1.485 χ^2 /NDF: 1274.4/38

All: 137.728 $\pm$ 1.066 χ^2 /NDF: 2256.7/77

- sign 136.482 $\pm$ 1.530 χ^2 /NDF: 981.0/38

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

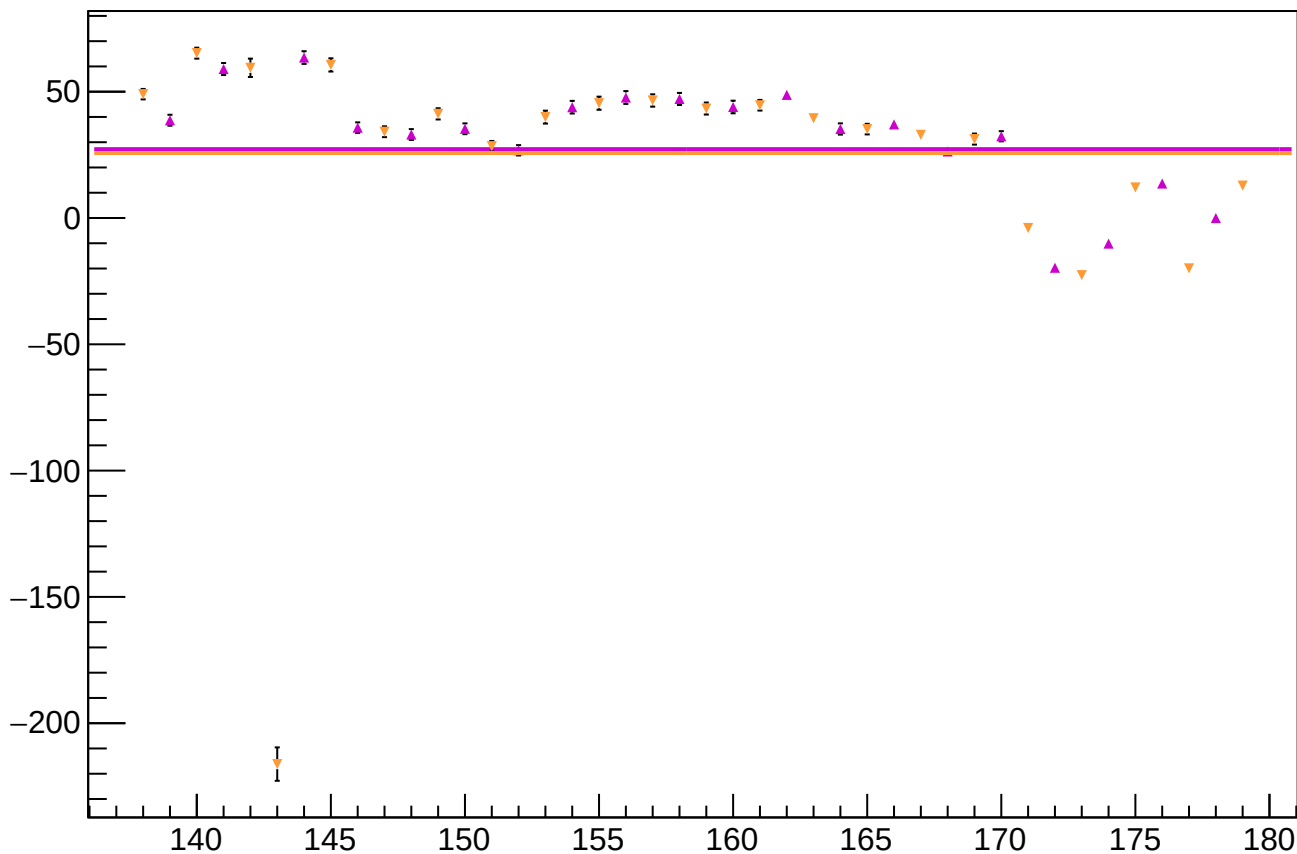
Left In: -272.951 ± 0.089 χ^2/NDF : 72113.5/19

+ sign -256.762 ± 0.074 χ^2/NDF : 382508.3/38

All: -258.295 ± 0.053 χ^2/NDF : 631615.0/77

- sign -259.858 ± 0.075 χ^2/NDF : 248249.9/38

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

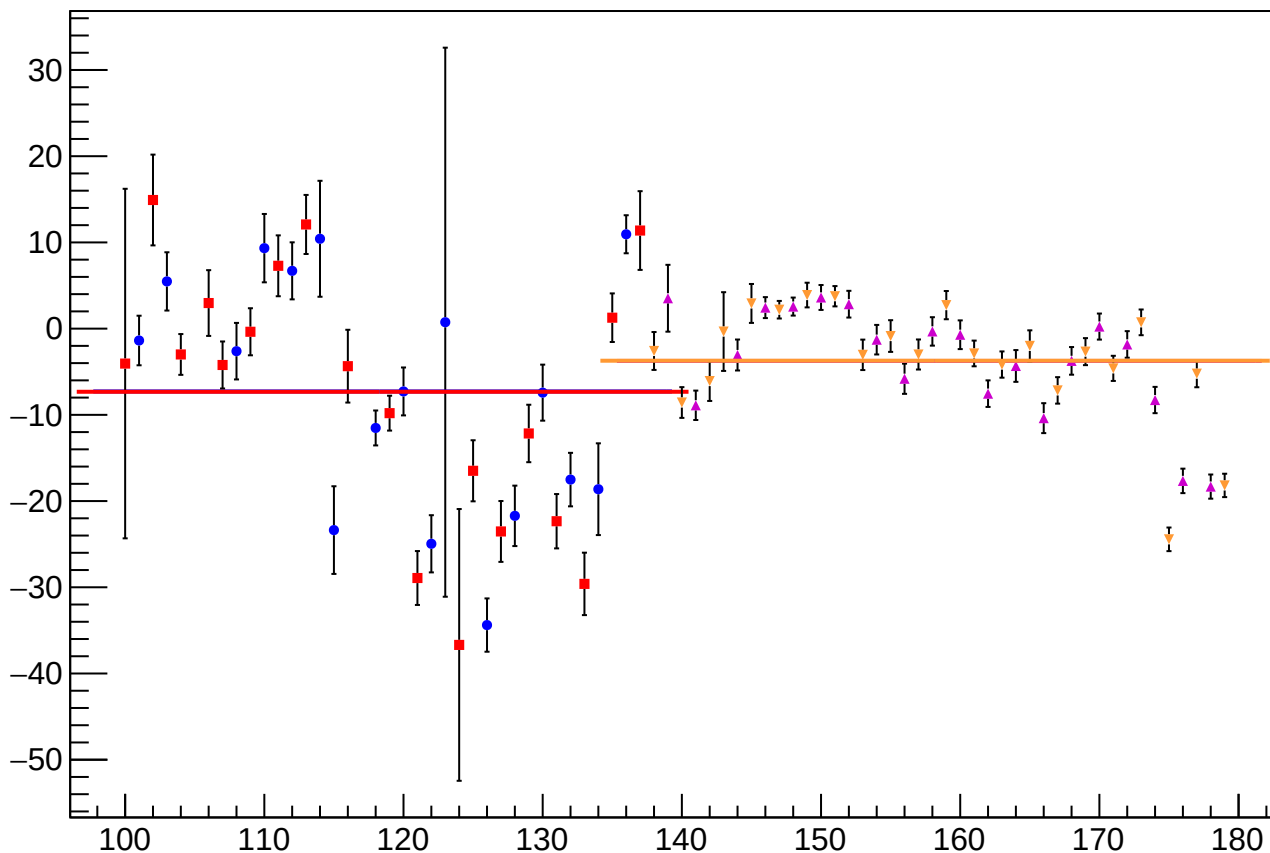
Left In: 27.248 $\pm$ 0.456 χ^2 /NDF:2263.8/19

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

All: 26.472 $\pm$ 0.319 χ^2 /NDF: 6401.3/41

- 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

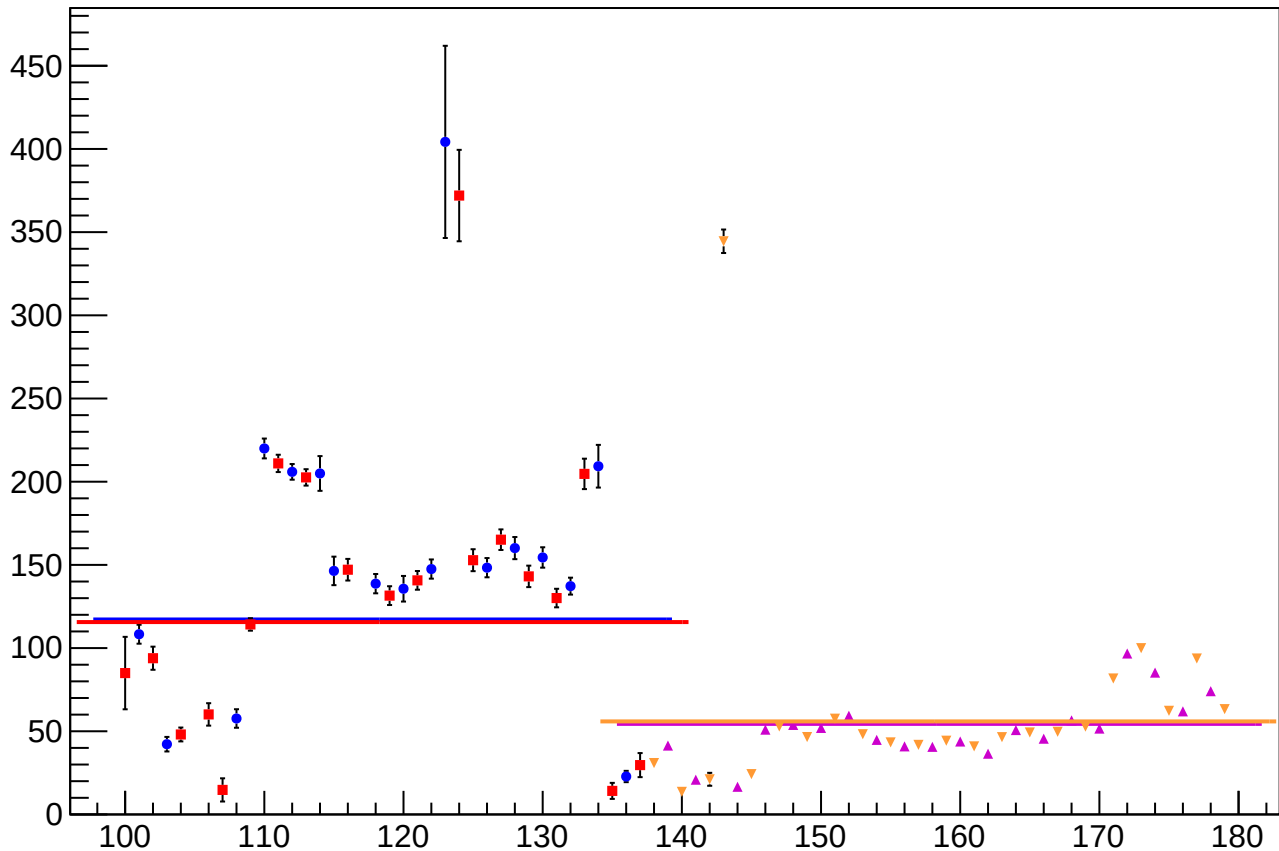
Left In: -3.750 ± 0.346 χ^2/NDF : 372.5/19

+ sign -4.269 ± 0.309 χ^2/NDF : 798.8/38

All: -4.315 ± 0.221 χ^2/NDF : 1444.9/77

- sign -4.364 ± 0.315 χ^2/NDF : 646.1/38

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

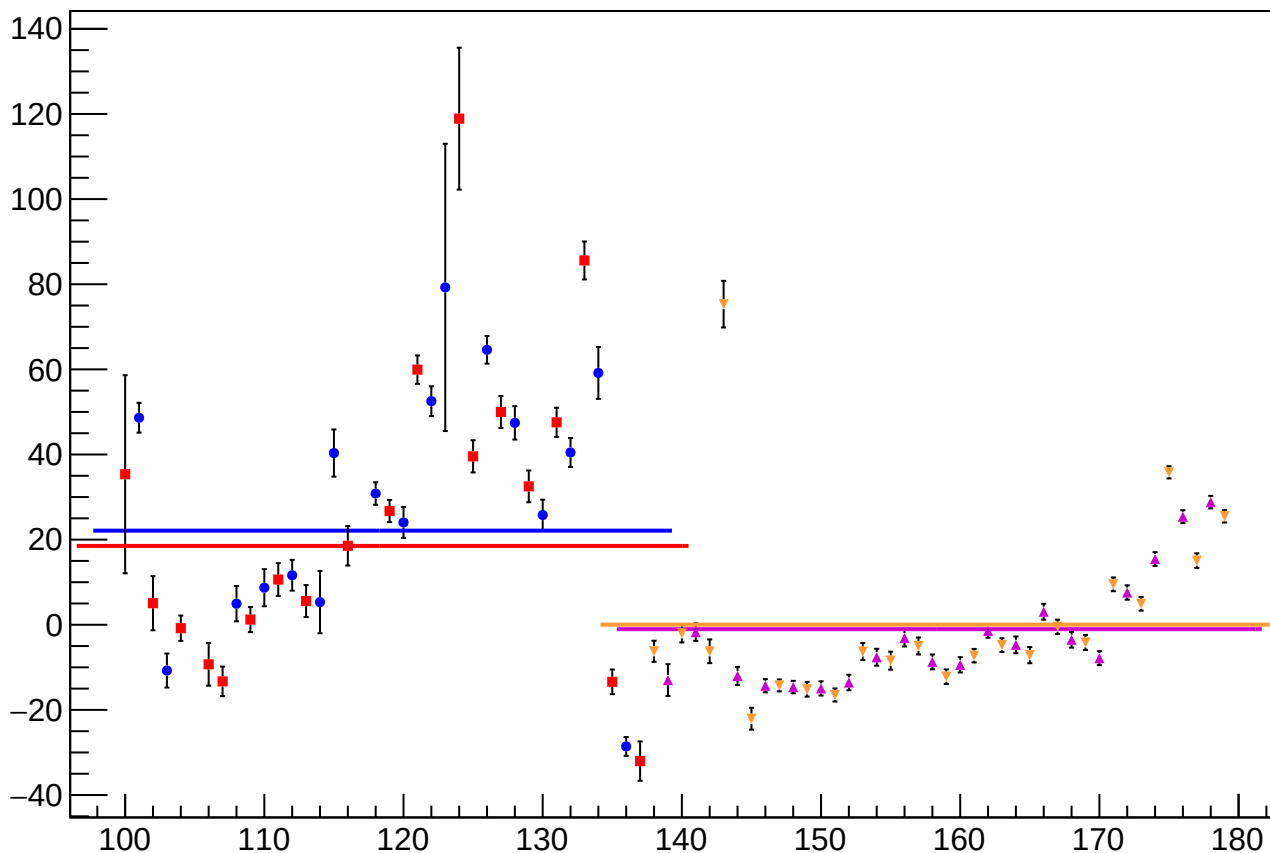
Left In: 54.447 ± 0.451 χ^2/NDF : 1538.3/19

+ sign 61.363 ± 0.422 χ^2/NDF : 7551.7/38

All: 60.933 ± 0.300 χ^2/NDF : 13051.0/77

- sign 60.491 ± 0.428 χ^2/NDF : 5497.2/38

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

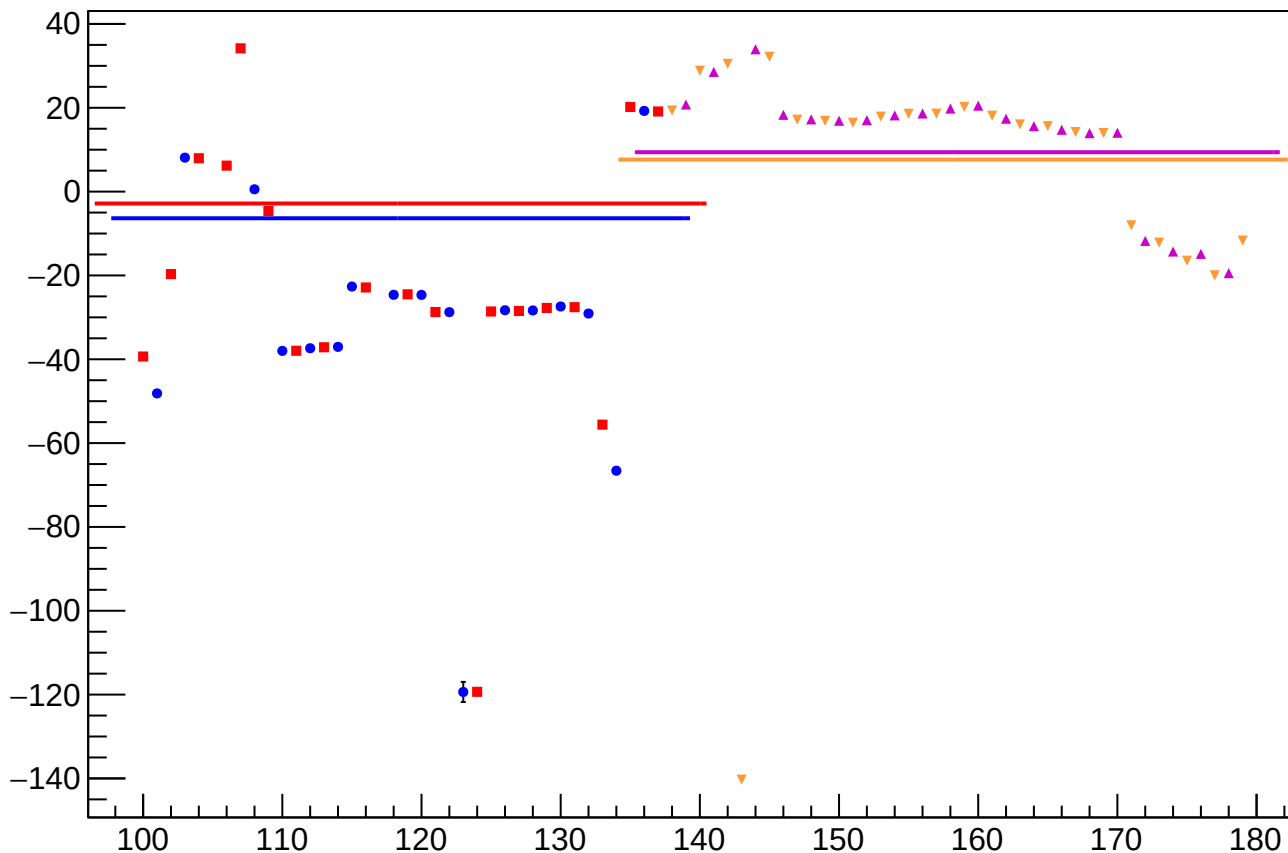
Left In: -1.035 $\pm$ 0.394 χ^2 /NDF: 1234.6/19

+ sign 3.428 $\pm$ 0.352 χ^2 /NDF: 3324.7/38

All: 2.869 $\pm$ 0.251 χ^2 /NDF: 6051.3/77

- sign 2.288 $\pm$ 0.359 χ^2 /NDF: 2721.4/38

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 7.634 ± 0.018 χ^2/NDF : 1049258.1/21

Right Out: -2.837 ± 0.046 χ^2/NDF : 265573.0/18

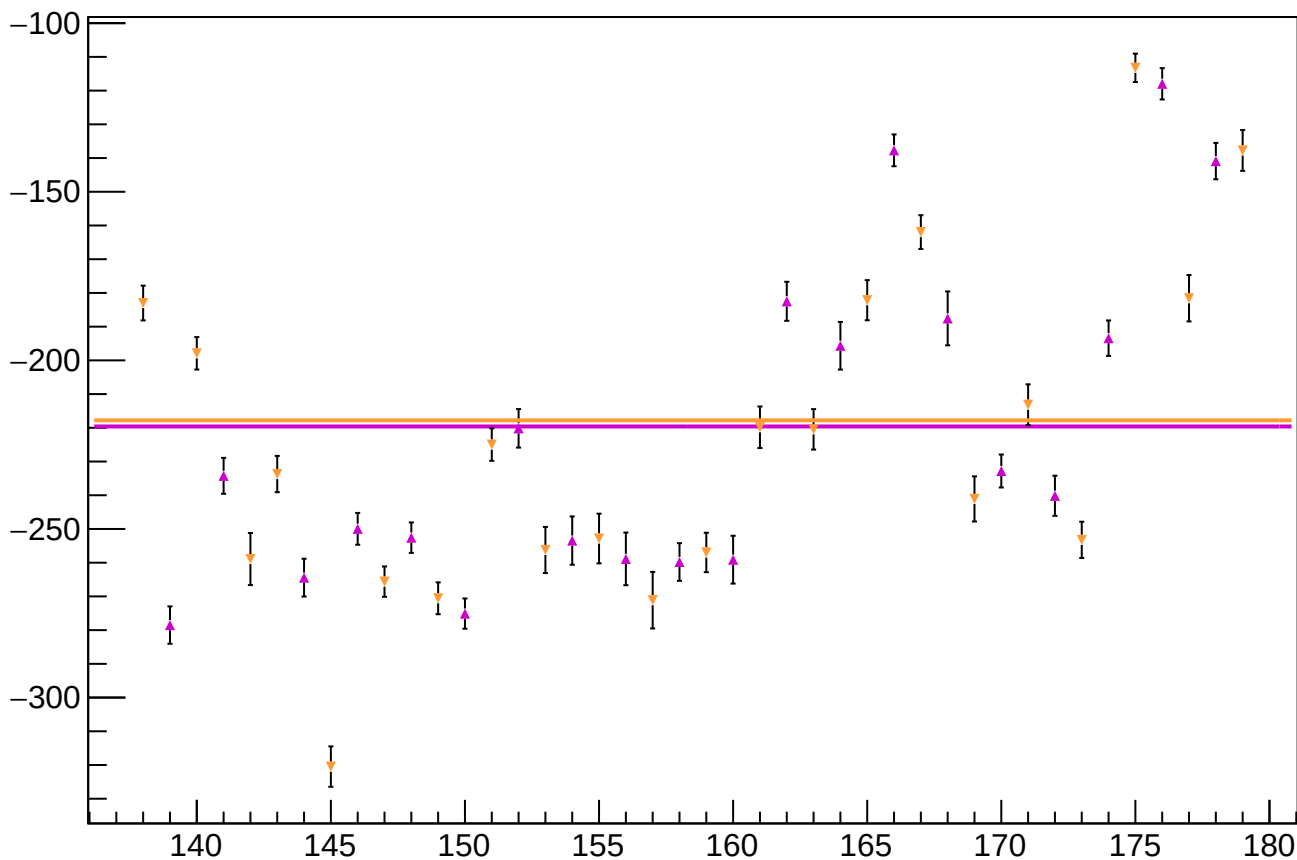
Left In: 9.401 ± 0.018 χ^2/NDF : 726857.5/19

+ sign 5.857 ± 0.017 χ^2/NDF : 1393715.0/38

All: 6.812 ± 0.012 χ^2/NDF : 2455004.1/77

- sign 7.783 ± 0.017 χ^2/NDF : 1054535.1/38

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

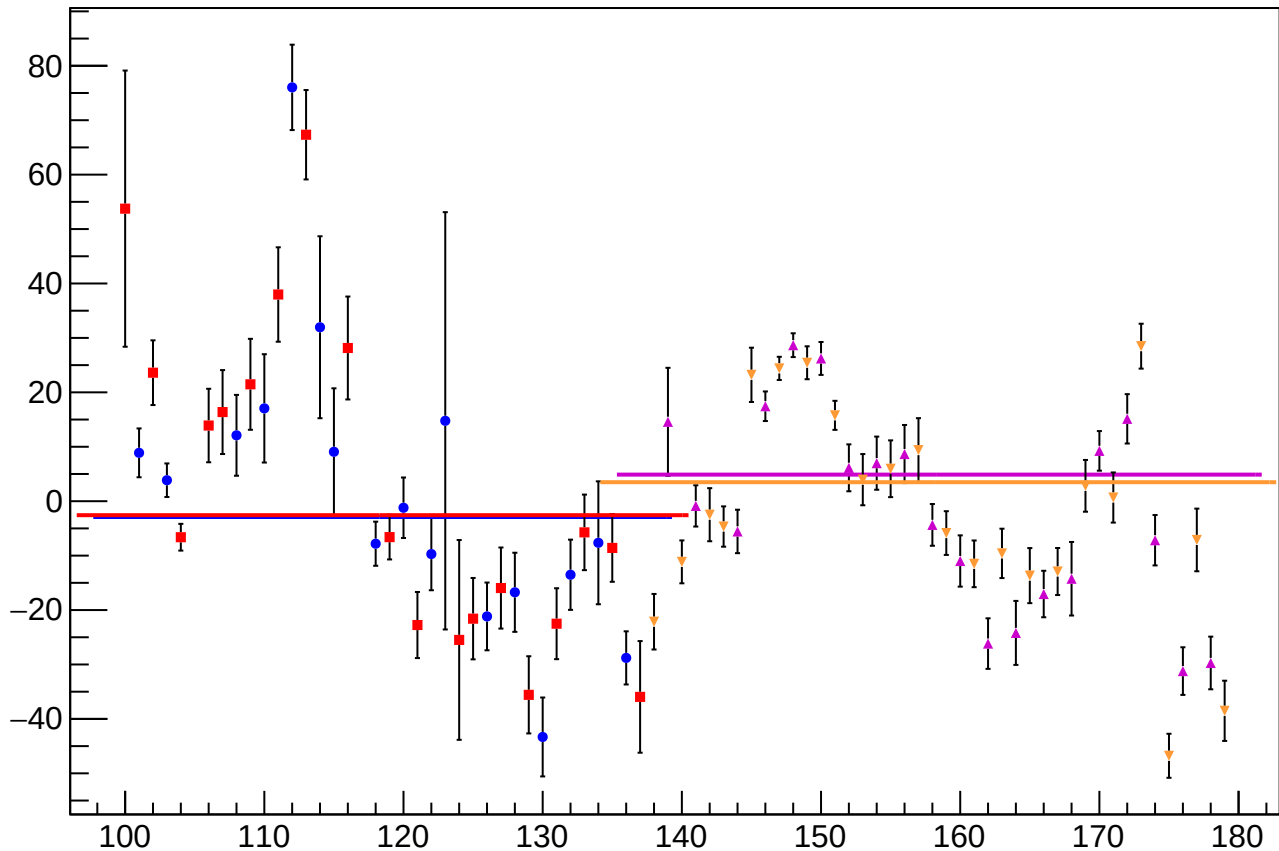
Left In: -219.603 +/- 1.231 χ^2/NDF : 1668.5/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -218.669 +/- 0.860 χ^2/NDF : 3480.0/41

- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 $\pm$ 1.467 χ^2/NDF : 203.6/16

Left Out: 3.489 $\pm$ 0.854 χ^2/NDF : 536.9/21

Right Out: -2.570 $\pm$ 1.396 χ^2/NDF : 218.2/18

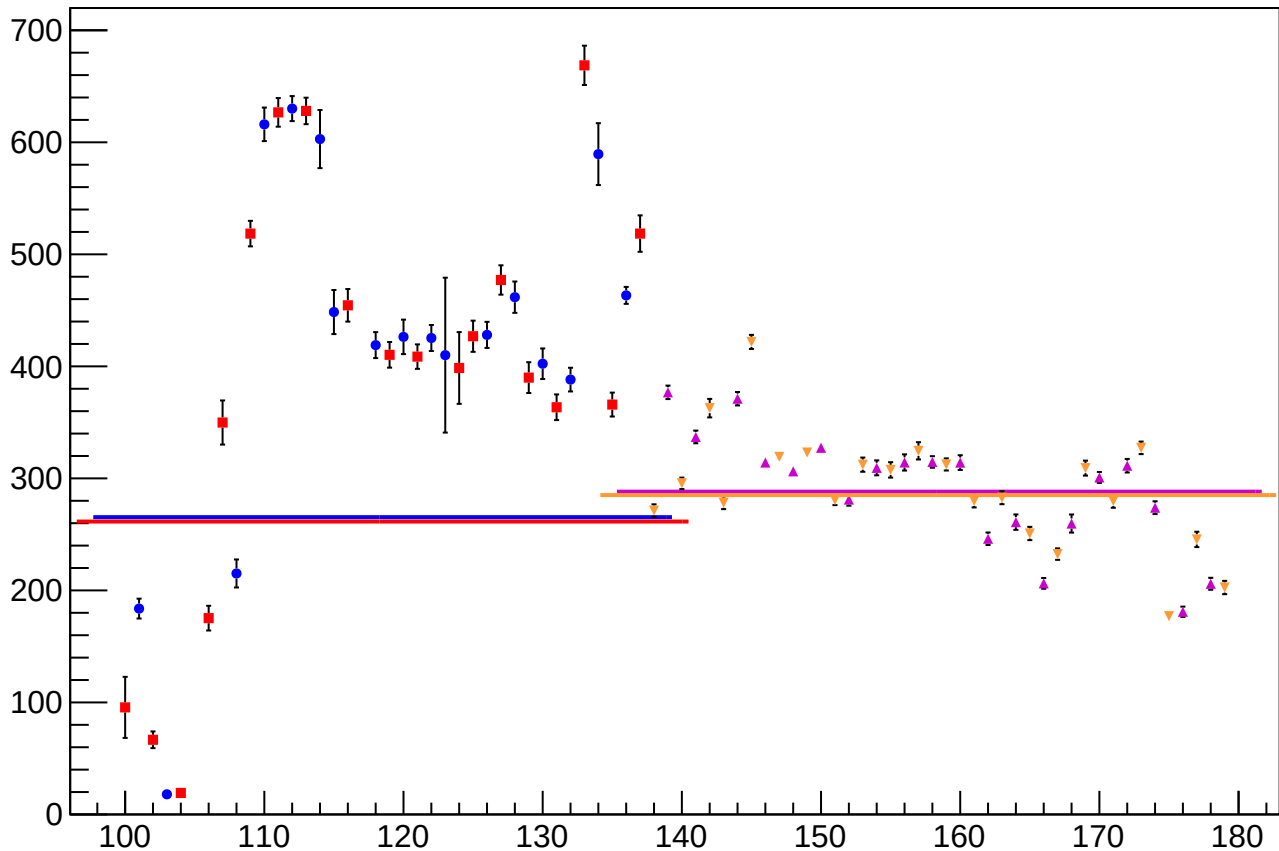
Left In: 4.883 $\pm$ 0.892 χ^2/NDF : 453.6/19

+ sign 1.872 $\pm$ 0.738 χ^2/NDF : 754.7/38

All: 2.291 $\pm$ 0.527 χ^2/NDF : 1447.4/77

- sign 2.725 $\pm$ 0.751 χ^2/NDF : 692.1/38

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

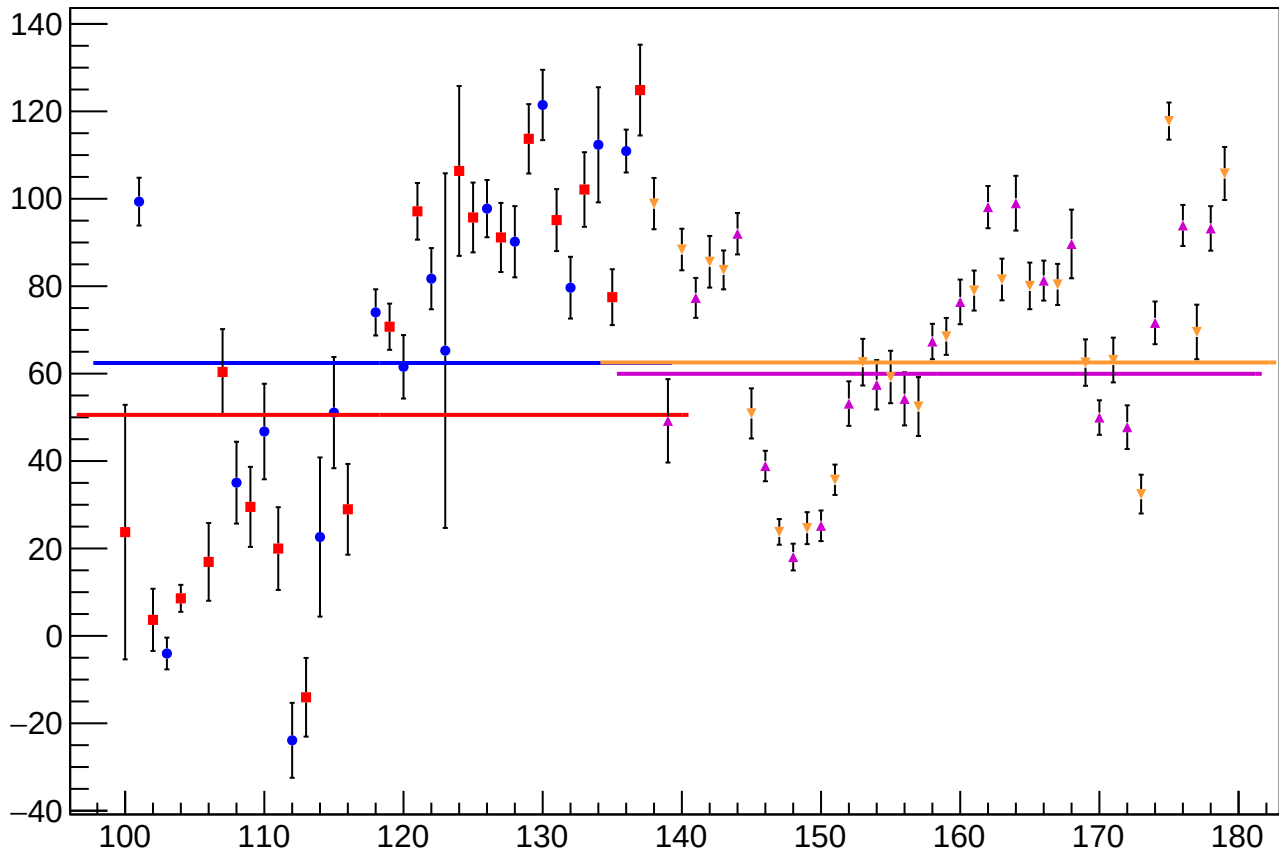
Left In: 288.161 $\pm$ 1.214 χ^2 /NDF:1872.5/19

+ sign 281.404 $\pm$ 1.074 χ^2 /NDF: 9577.2/38

All: 282.153 $\pm$ 0.765 χ^2 /NDF: 19749.8/77

- sign 282.924 $\pm$ 1.089 χ^2 /NDF: 10171.6/38

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 62.552+/-0.999 χ^2/NDF : 776.9/21

Right Out: 50.560+/-1.642 χ^2/NDF : 657.4/18

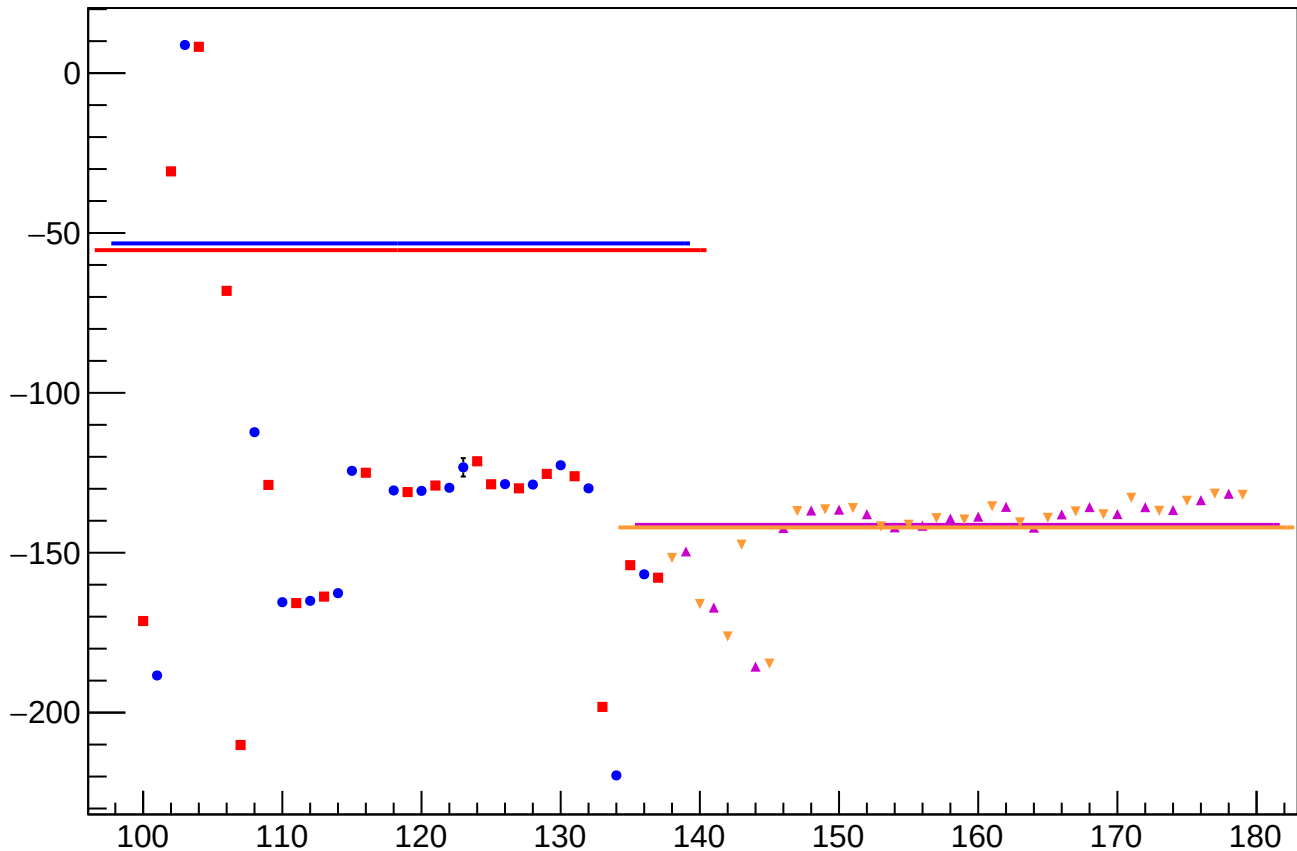
Left In: 59.957+/-1.036 χ^2/NDF : 650.9/19

+ sign 62.521+/-0.860 χ^2/NDF : 1498.7/38

All: 59.949+/-0.614 χ^2/NDF : 2848.7/77

- sign 57.283+/-0.876 χ^2/NDF : 1331.7/38

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 ± 0.070 $\chi^2/\text{NDF}: 1225492.9/16$

Left Out: -142.090 ± 0.048 $\chi^2/\text{NDF}: 65535.1/21$

Right Out: -55.373 ± 0.072 $\chi^2/\text{NDF}: 967027.2/18$

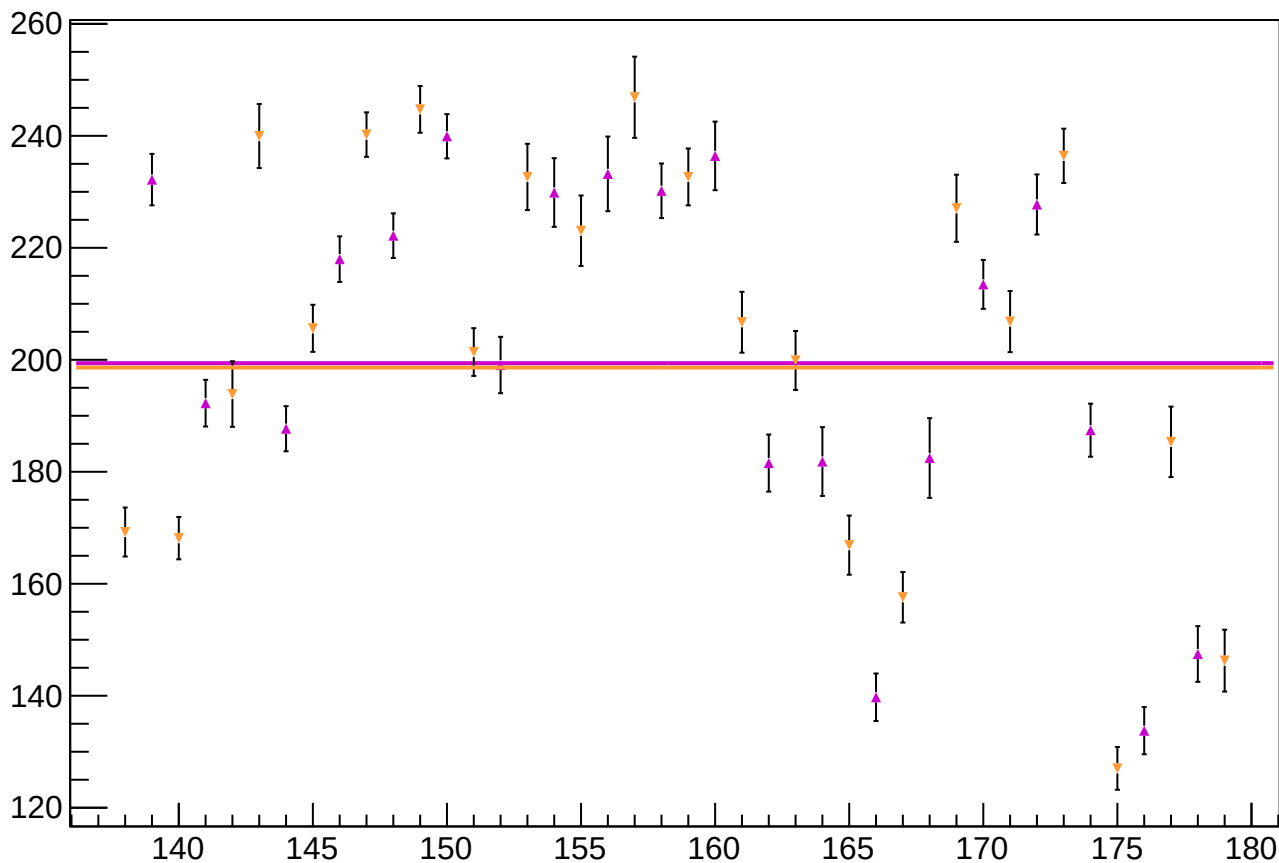
Left In: -141.295 ± 0.049 $\chi^2/\text{NDF}: 50226.7/19$

+ sign -113.848 ± 0.040 $\chi^2/\text{NDF}: 2376492.3/38$

All: -114.113 ± 0.028 $\chi^2/\text{NDF}: 4373271.3/77$

- sign -114.384 ± 0.040 $\chi^2/\text{NDF}: 1996689.1/38$

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

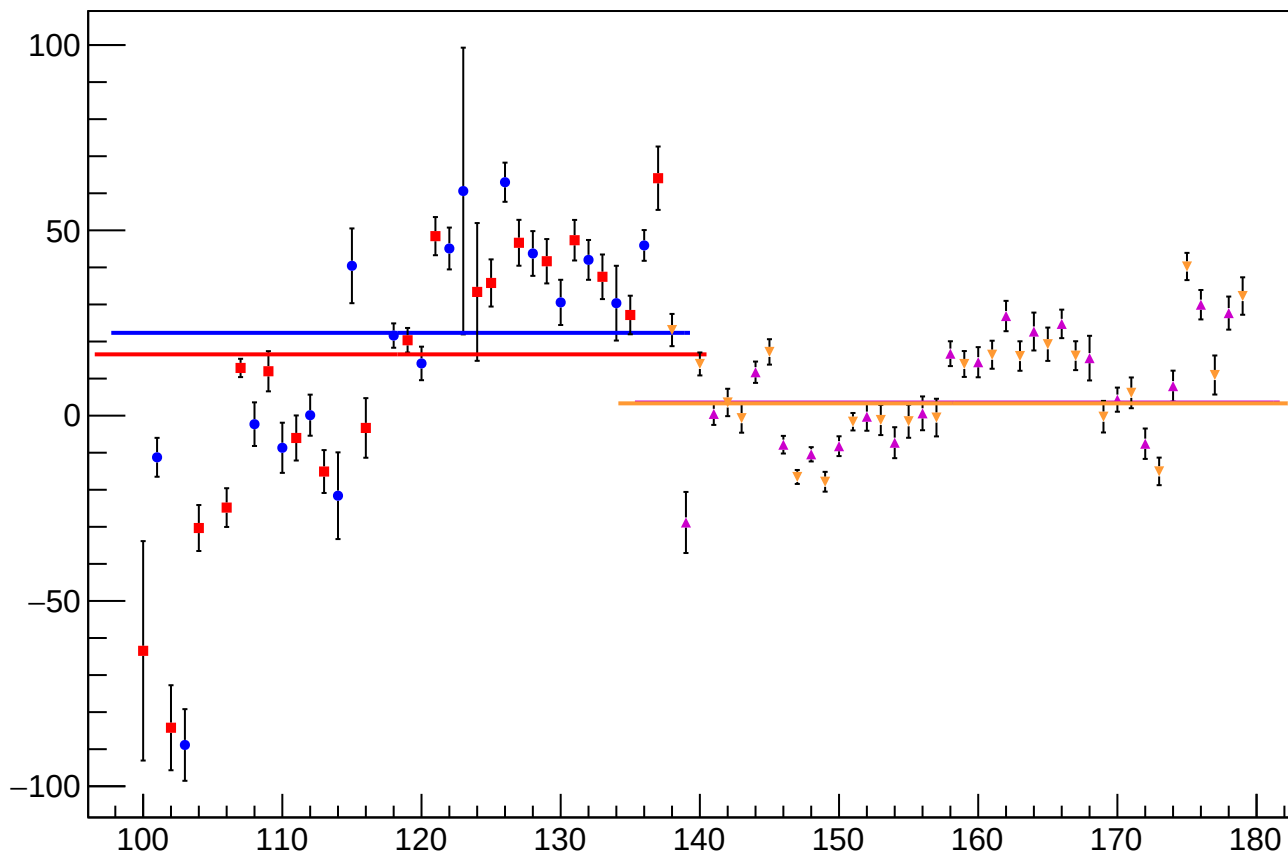
Left In: 199.398+/-1.067 χ^2/NDF :966.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 199.004+/-0.747 χ^2/NDF : 2155.0/41

- 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

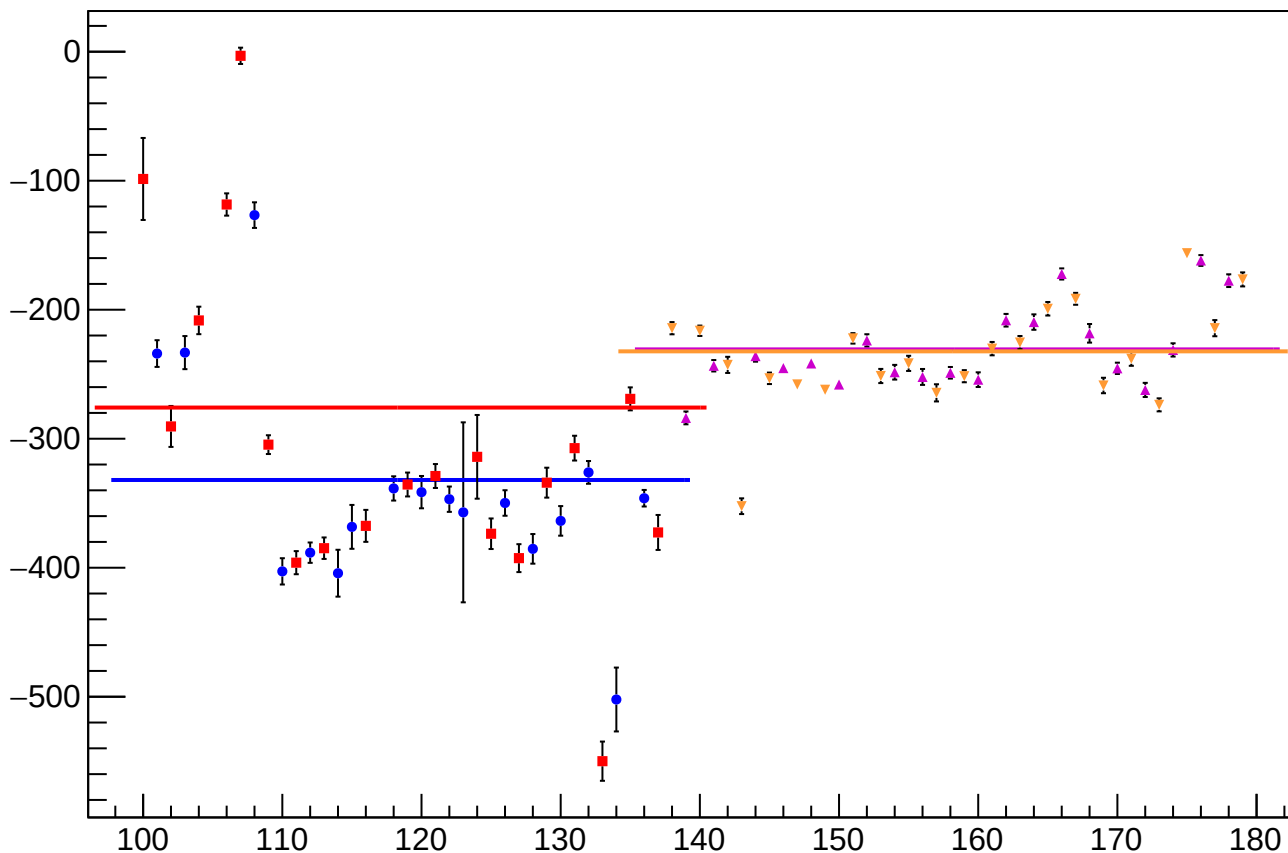
Left In: 3.540 $\pm$ 0.772 χ^2 /NDF: 312.9/19

+ sign 7.544 $\pm$ 0.658 χ^2 /NDF: 978.3/38

All: 7.385 $\pm$ 0.464 χ^2 /NDF: 1798.2/77

- sign 7.227 $\pm$ 0.654 χ^2 /NDF: 819.8/38

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

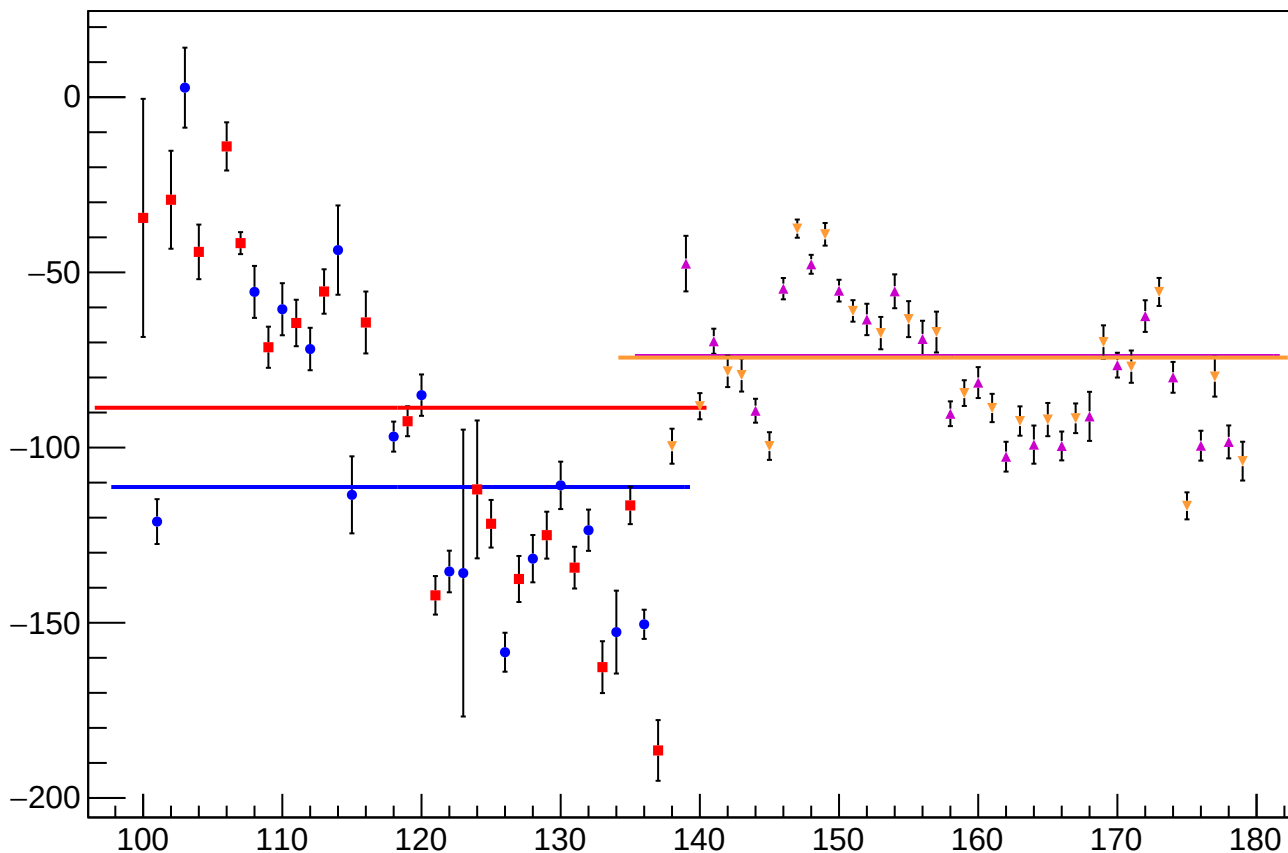
Left In: -230.755 ± 1.054 χ^2/NDF : 909.9/19

+ sign -246.202 ± 0.964 χ^2/NDF : 3398.0/38

All: -242.308 ± 0.680 χ^2/NDF : 8014.6/77

- sign -238.448 ± 0.960 χ^2/NDF : 4584.1/38

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -74.317 ± 0.873 χ^2/NDF : 671.7/21

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

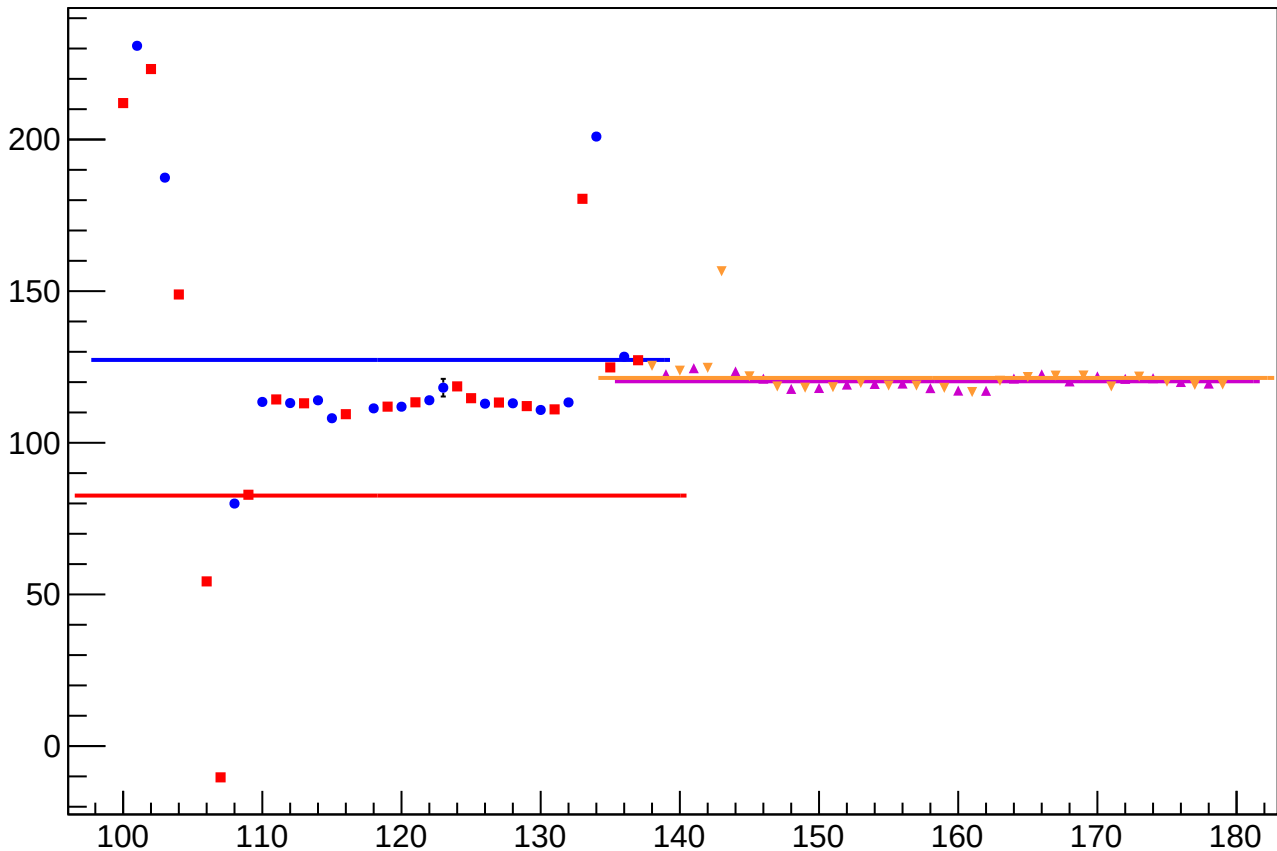
Left In: -73.864 ± 0.898 χ^2/NDF : 433.2/19

+ sign -82.812 ± 0.766 χ^2/NDF : 1593.2/38

All: -80.405 ± 0.540 χ^2/NDF : 3093.2/77

- sign -78.030 ± 0.761 χ^2/NDF : 1480.4/38

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 121.385 $\pm$ 0.042 χ^2 /NDF: 24163.8/21

Right Out: 82.595 $\pm$ 0.075 χ^2 /NDF: 765022.5/18

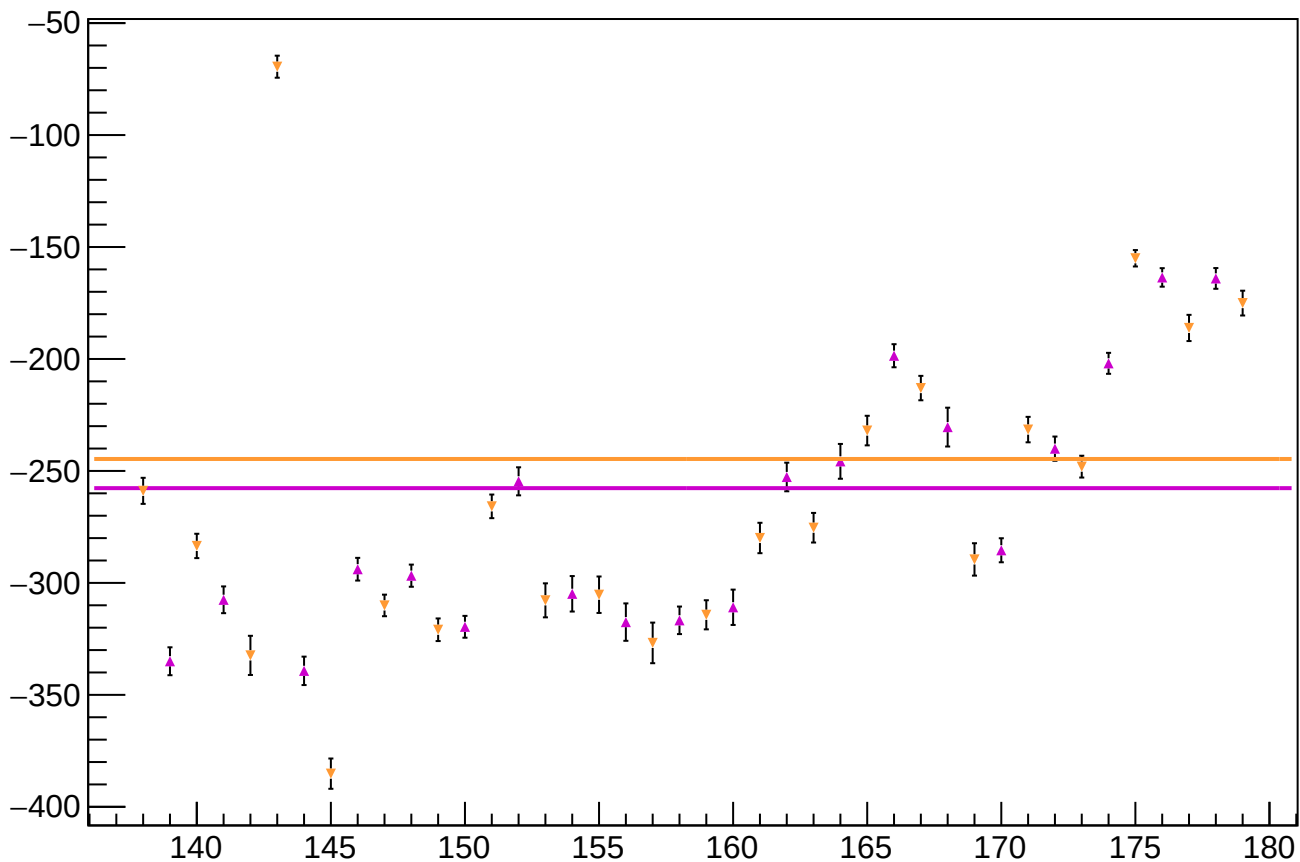
Left In: 120.283 $\pm$ 0.042 χ^2 /NDF: 2575.3/19

+ sign 122.455 $\pm$ 0.038 χ^2 /NDF: 215553.4/38

All: 116.704 $\pm$ 0.026 χ^2 /NDF: 1218090.1/77

- sign 111.299 $\pm$ 0.037 χ^2 /NDF: 958013.5/38

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

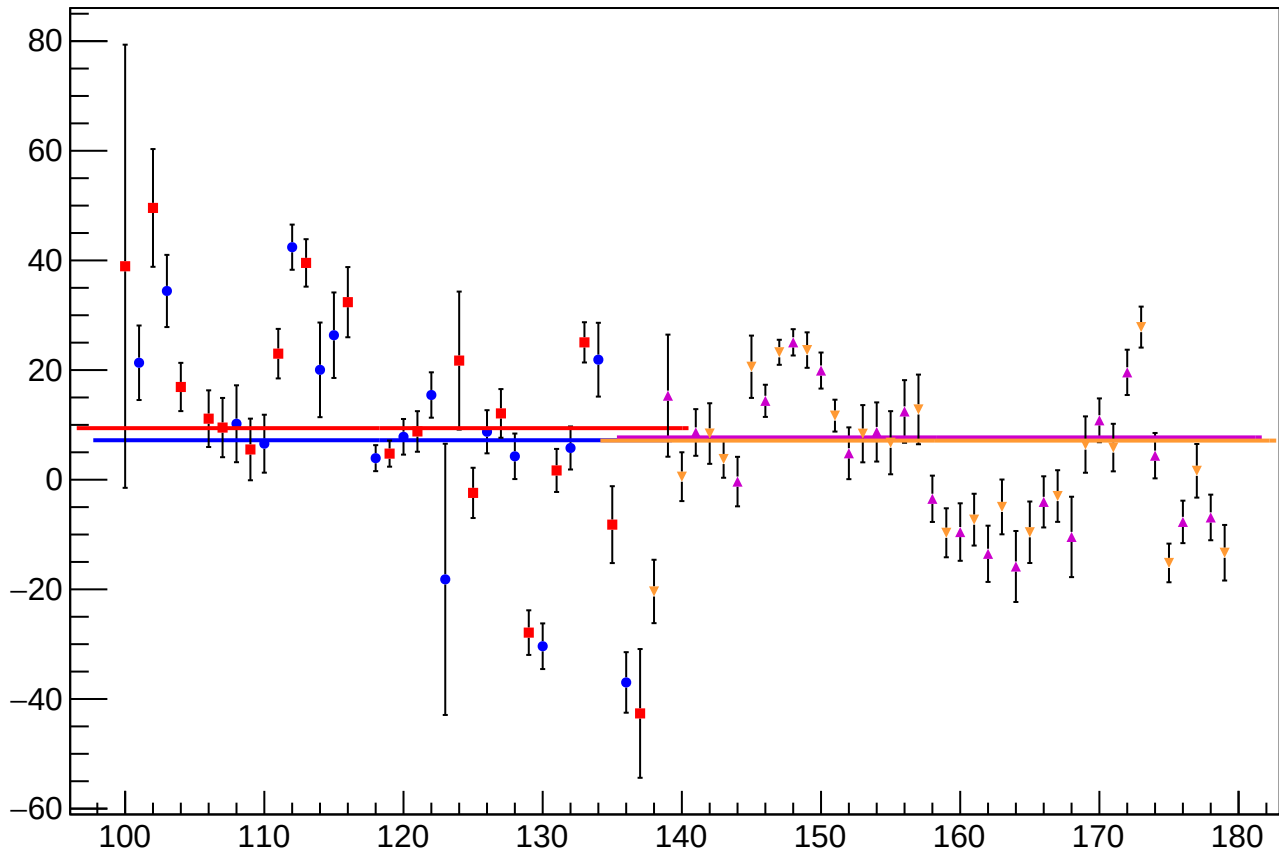
Left In: -257.684+/-1.280 χ^2/NDF : 2139.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -250.938+/-0.889 χ^2/NDF : 5784.8/41

- 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

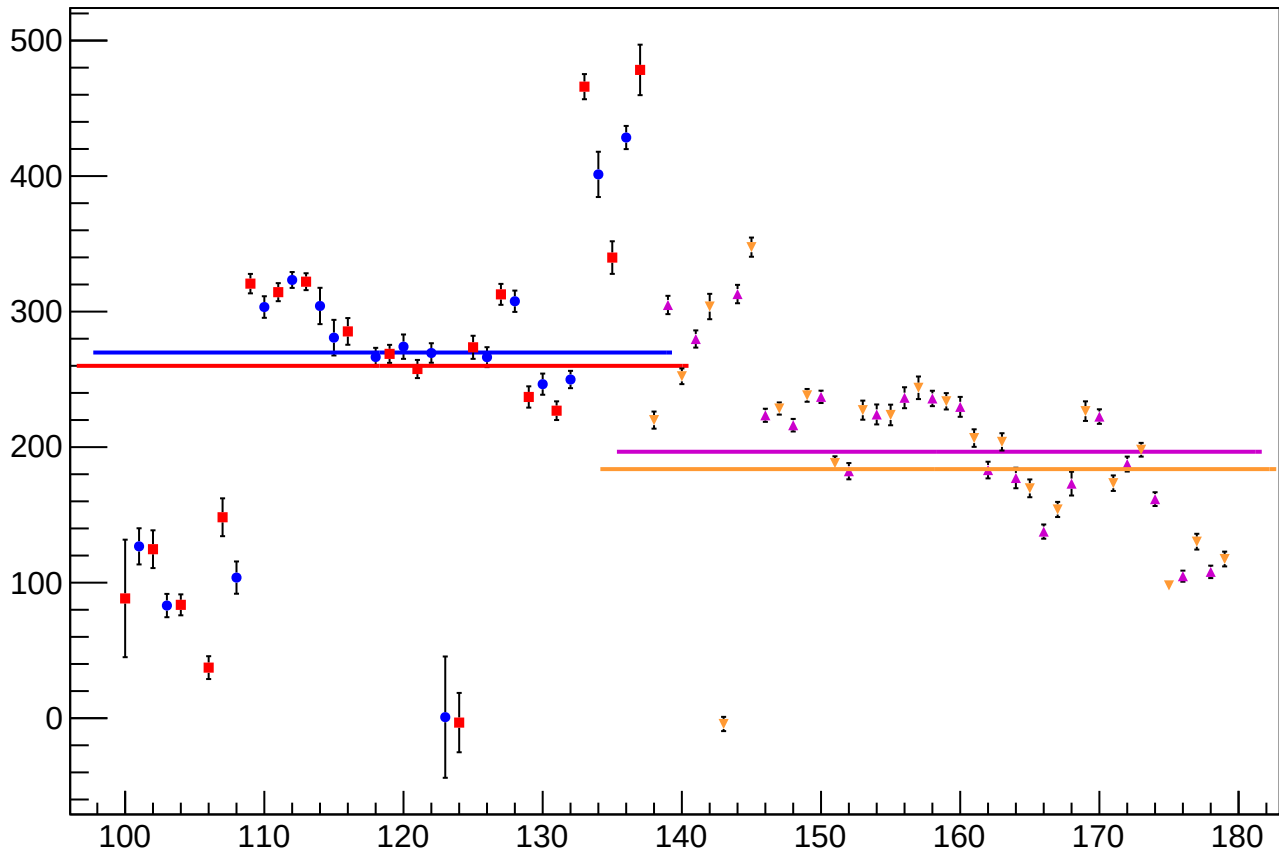
Left In: 7.716 ± 0.942 χ^2/NDF : 174.2/19

+ sign 7.160 ± 0.693 χ^2/NDF : 502.7/38

All: 7.792 ± 0.495 χ^2/NDF : 912.2/77

- sign 8.452 ± 0.707 χ^2/NDF : 407.8/38

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 ± 2.089 $\chi^2/\text{NDF}: 1374.1/16$

Left Out: 183.781 ± 1.225 $\chi^2/\text{NDF}: 3456.0/21$

Right Out: 259.980 ± 1.977 $\chi^2/\text{NDF}: 2538.6/18$

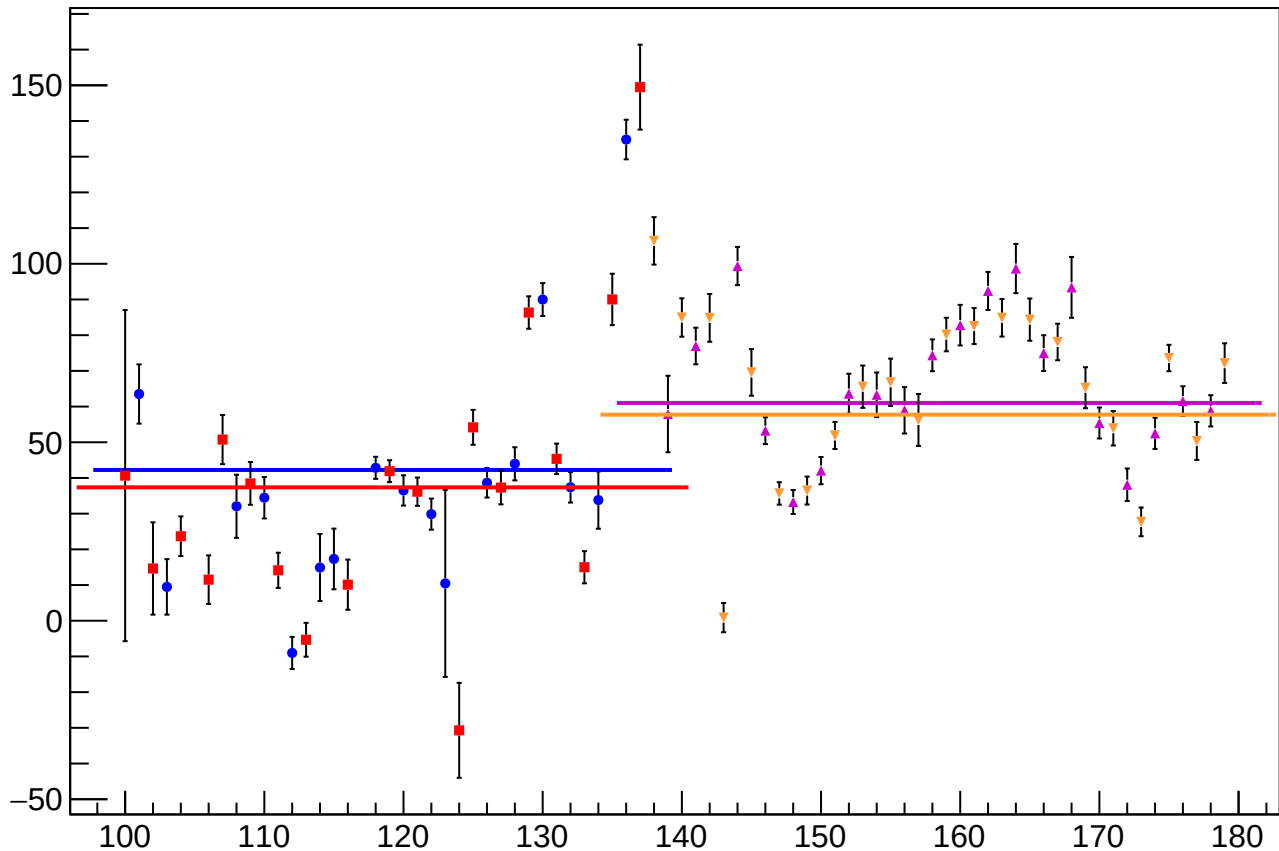
Left In: 196.594 ± 1.265 $\chi^2/\text{NDF}: 2058.4/19$

+ sign 205.803 ± 1.057 $\chi^2/\text{NDF}: 6091.6/38$

All: 210.371 ± 0.750 $\chi^2/\text{NDF}: 11455.6/77$

- sign 215.015 ± 1.066 $\chi^2/\text{NDF}: 5326.3/38$

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

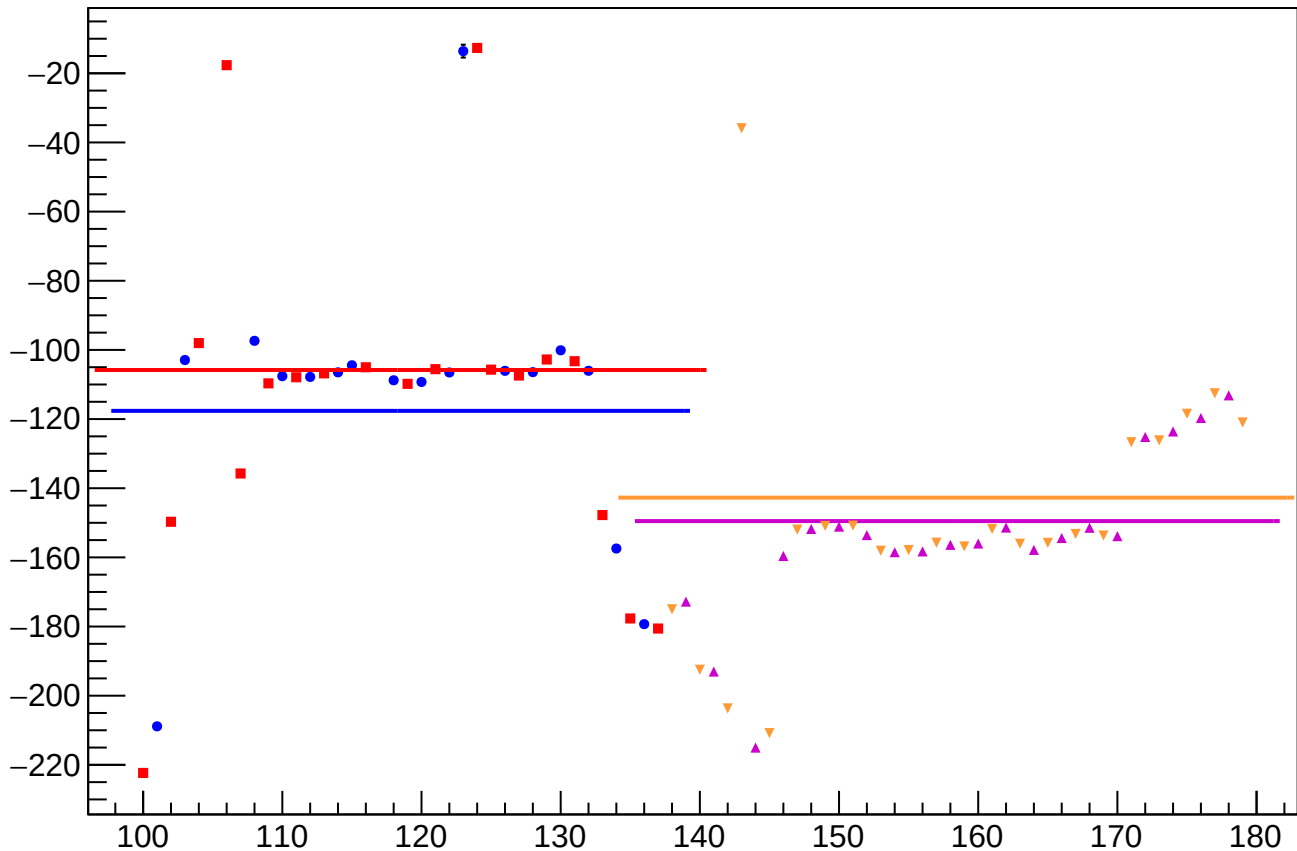
Left In: 61.022 $\pm$ 1.087 χ^2 /NDF: 300.2/19

+ sign 51.570 $\pm$ 0.803 χ^2 /NDF: 1235.5/38

All: 51.137 $\pm$ 0.572 χ^2 /NDF: 2215.3/77

- sign 50.689 $\pm$ 0.816 χ^2 /NDF: 979.3/38

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

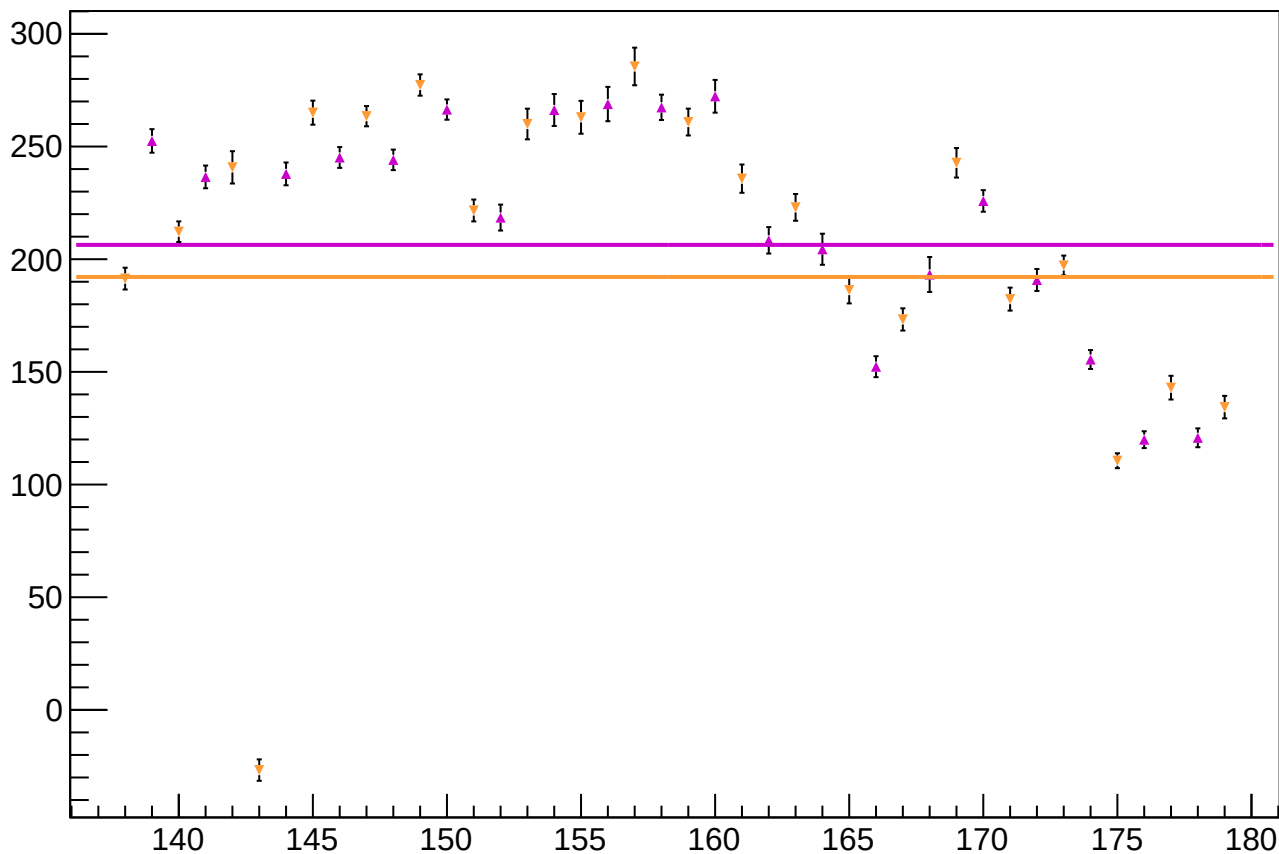
Left In: -149.504+/-0.051 χ^2/NDF : 184543.4/19

+ sign -135.551+/-0.042 χ^2/NDF : 699989.3/38

All: -135.371+/-0.030 χ^2/NDF : 1449880.2/77

- sign -135.194+/-0.042 χ^2/NDF : 749854.5/38

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

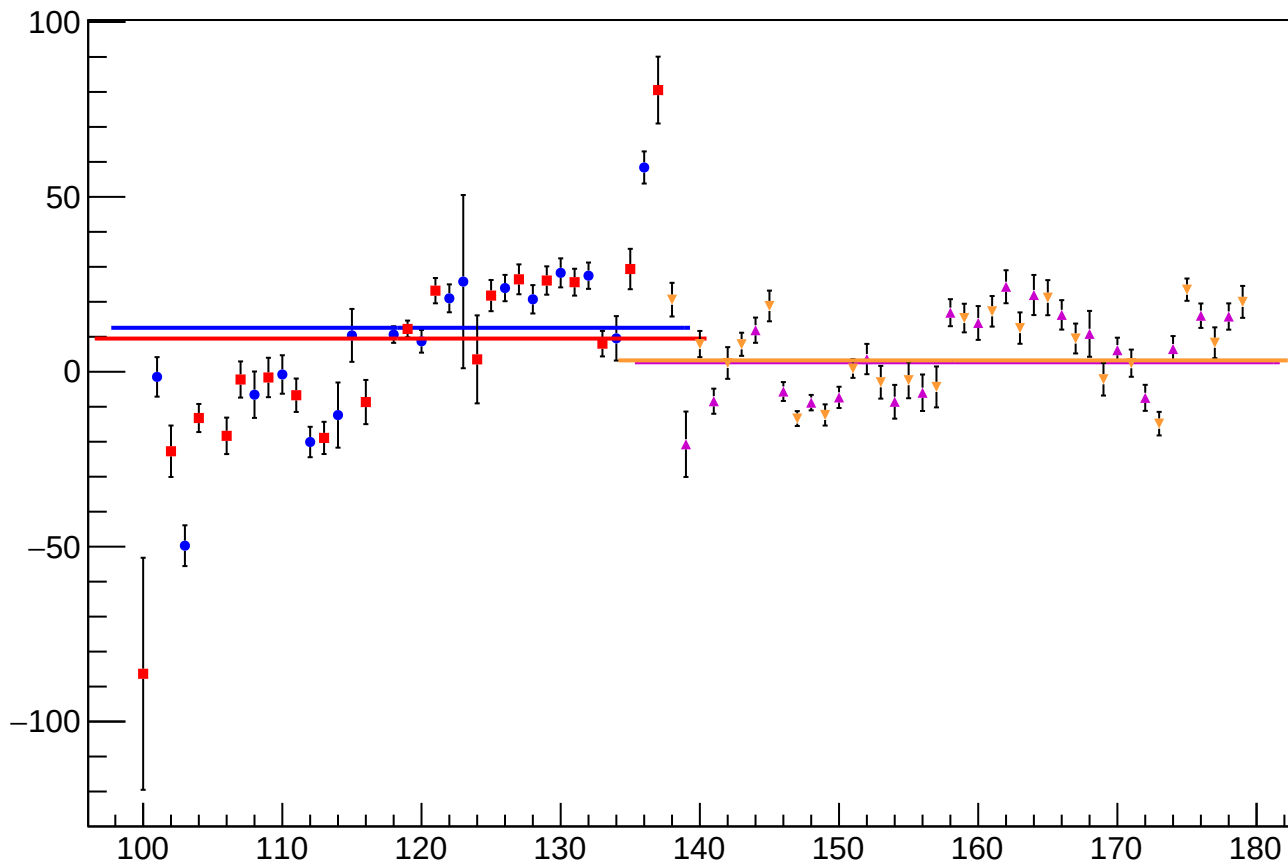
Left In: 206.356+/-1.146 χ^2/NDF : 2080.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 199.005+/-0.797 χ^2/NDF : 6578.8/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 ± 1.074 χ^2/NDF : 348.0/16

Left Out: 3.255 ± 0.805 χ^2/NDF : 245.3/21

Right Out: 9.493 ± 1.047 χ^2/NDF : 295.8/18

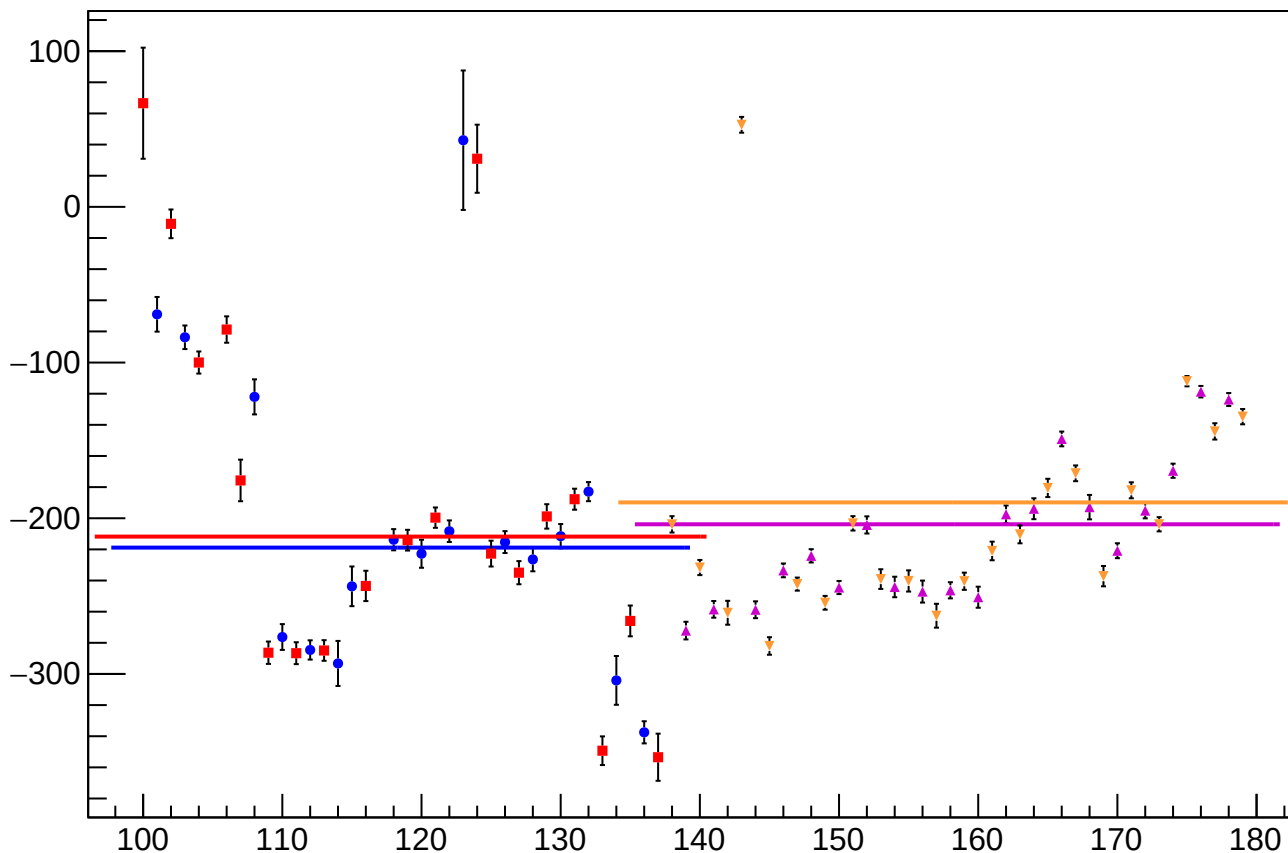
Left In: 2.709 ± 0.848 χ^2/NDF : 177.5/19

+ sign 6.608 ± 0.644 χ^2/NDF : 641.5/38

All: 6.016 ± 0.461 χ^2/NDF : 1141.9/77

- sign 5.395 ± 0.659 χ^2/NDF : 498.7/38

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 $\chi^2/\text{NDF}: 1885.2/18$

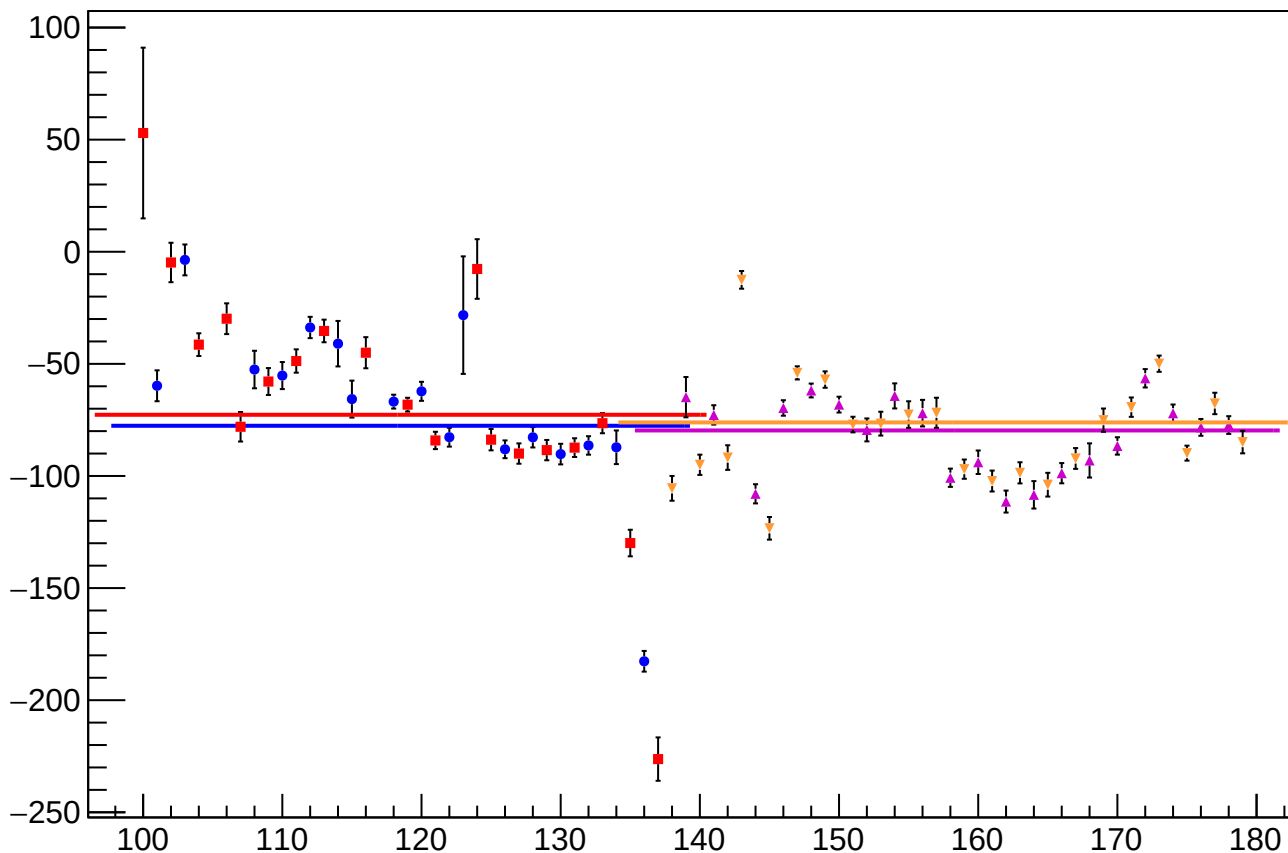
Left In: -203.871 ± 1.136 $\chi^2/\text{NDF}: 1818.7/19$

+ sign -196.480 ± 0.968 $\chi^2/\text{NDF}: 5565.6/38$

All: -201.151 ± 0.688 $\chi^2/\text{NDF}: 9329.0/77$

- sign -205.915 ± 0.978 $\chi^2/\text{NDF}: 3716.5/38$

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

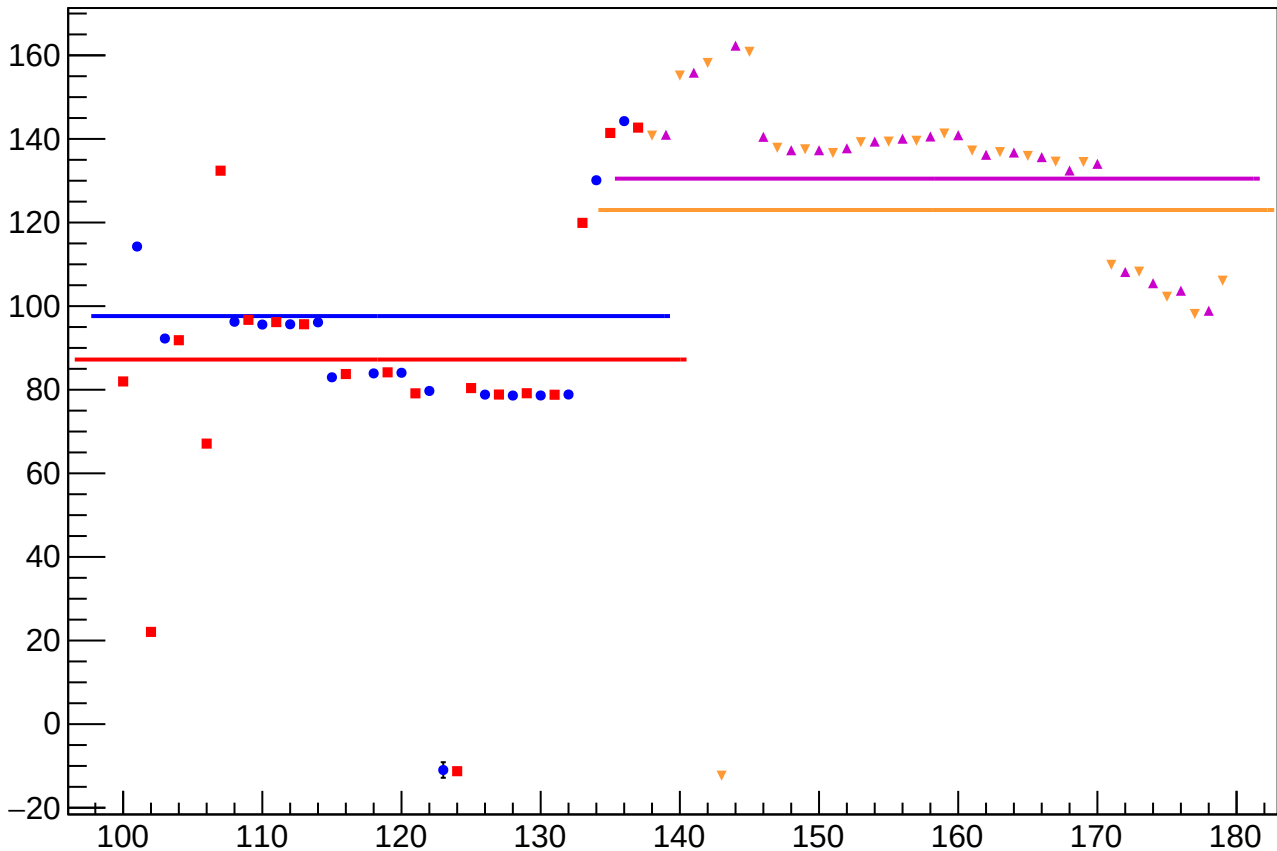
Left In: -79.699 ± 0.978 χ^2/NDF : 269.4/19

+ sign -76.661 ± 0.746 χ^2/NDF : 1496.7/38

All: -76.792 ± 0.532 χ^2/NDF : 2457.9/77

- sign -76.928 ± 0.760 χ^2/NDF : 961.1/38

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

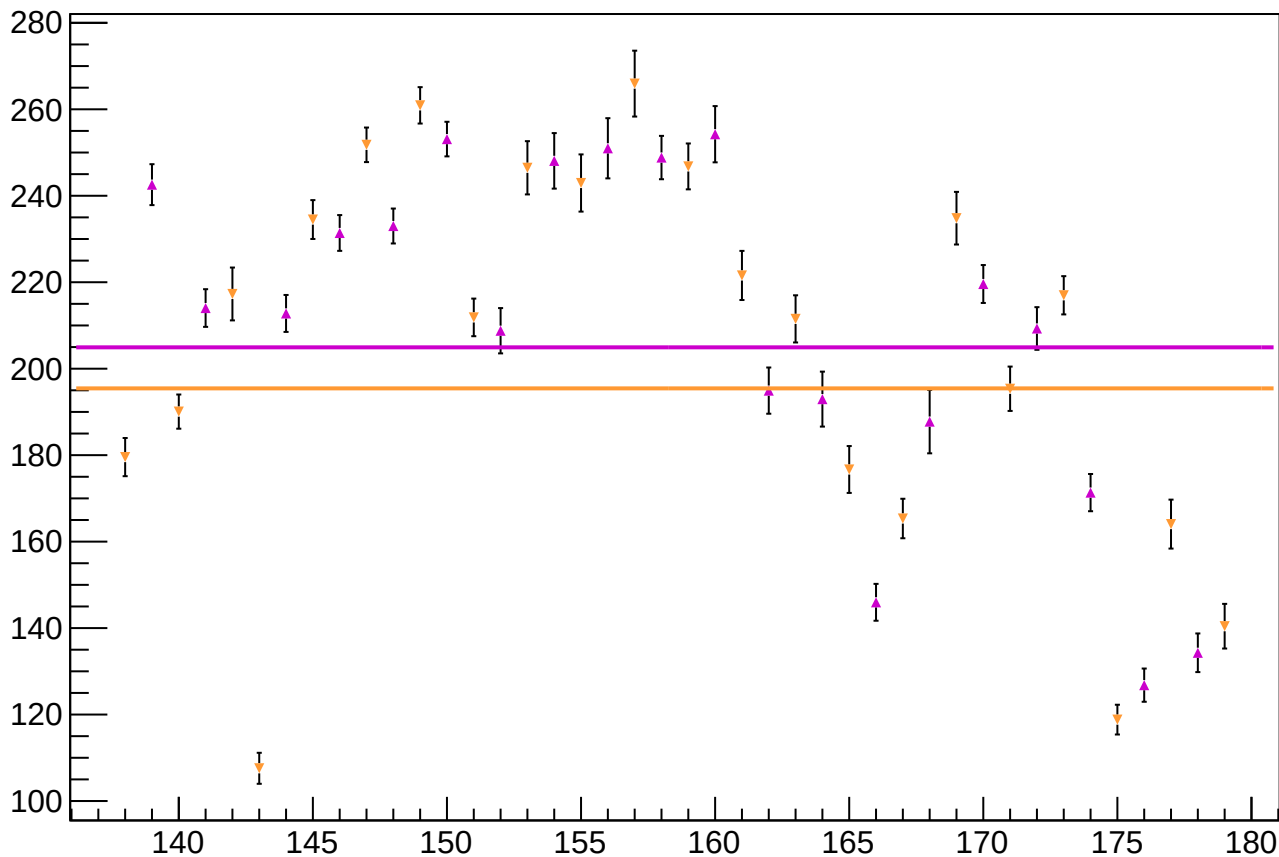
Left In: 130.499 $\pm$ 0.046 χ^2 /NDF: 141806.4/19

+ sign 116.181 $\pm$ 0.038 χ^2 /NDF: 801665.4/38

All: 116.676 $\pm$ 0.027 χ^2 /NDF: 1442619.3/77

- sign 117.163 $\pm$ 0.038 χ^2 /NDF: 640621.1/38

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

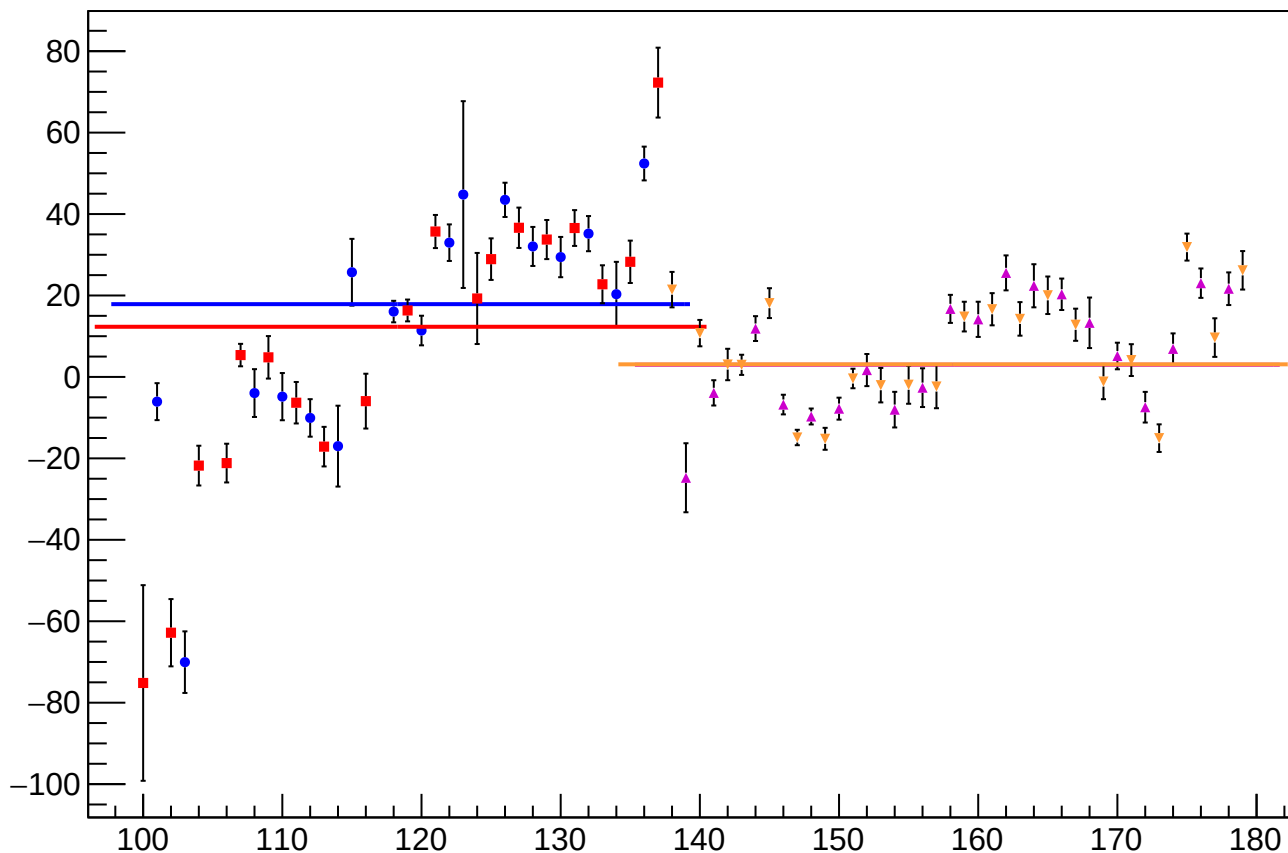
Left In: 204.940+/-1.068 χ^2/NDF :1468.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 199.982+/-0.738 χ^2/NDF : 3758.0/41

- 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

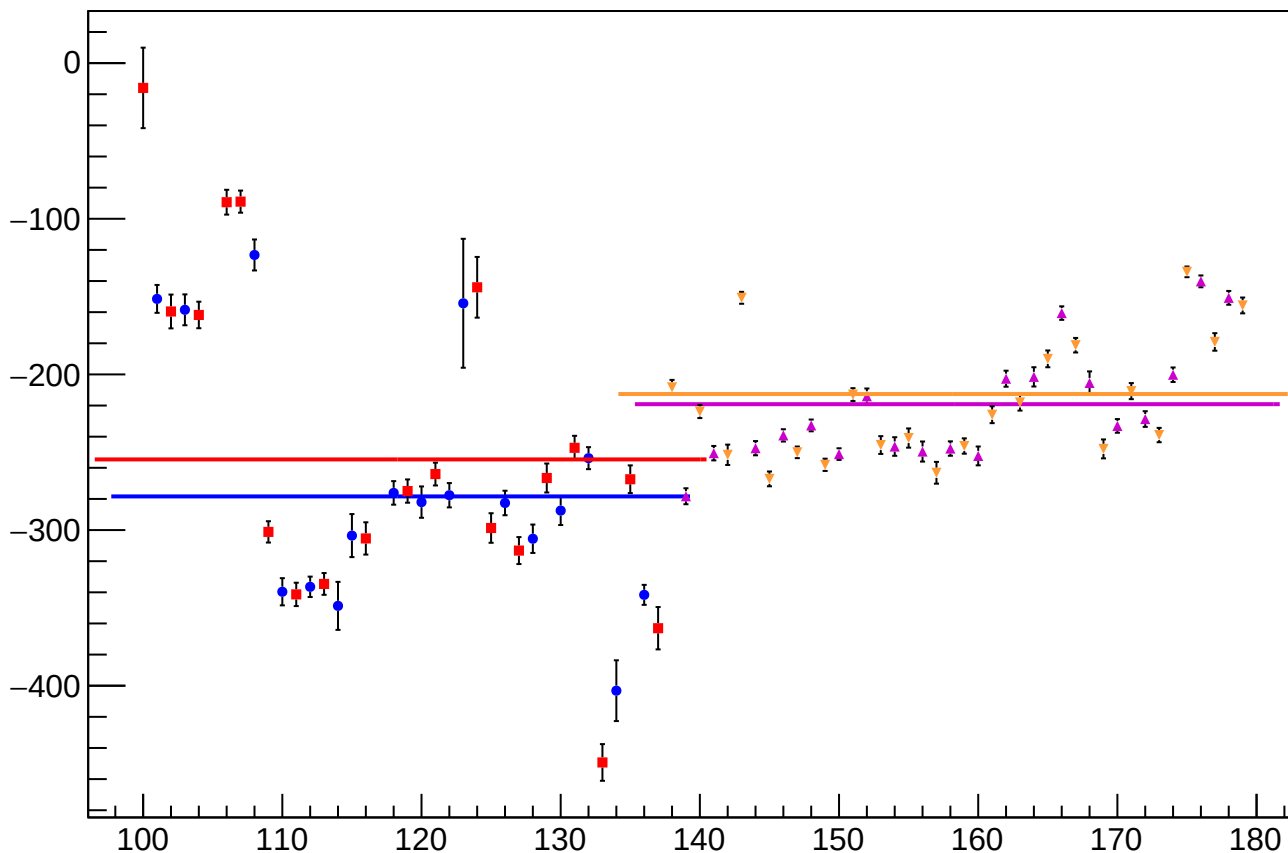
Left In: 2.991 $\pm$ 0.779 χ^2 /NDF: 254.6/19

+ sign 7.258 $\pm$ 0.619 χ^2 /NDF: 872.8/38

All: 6.725 $\pm$ 0.442 χ^2 /NDF: 1621.8/77

- sign 6.168 $\pm$ 0.632 χ^2 /NDF: 747.5/38

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

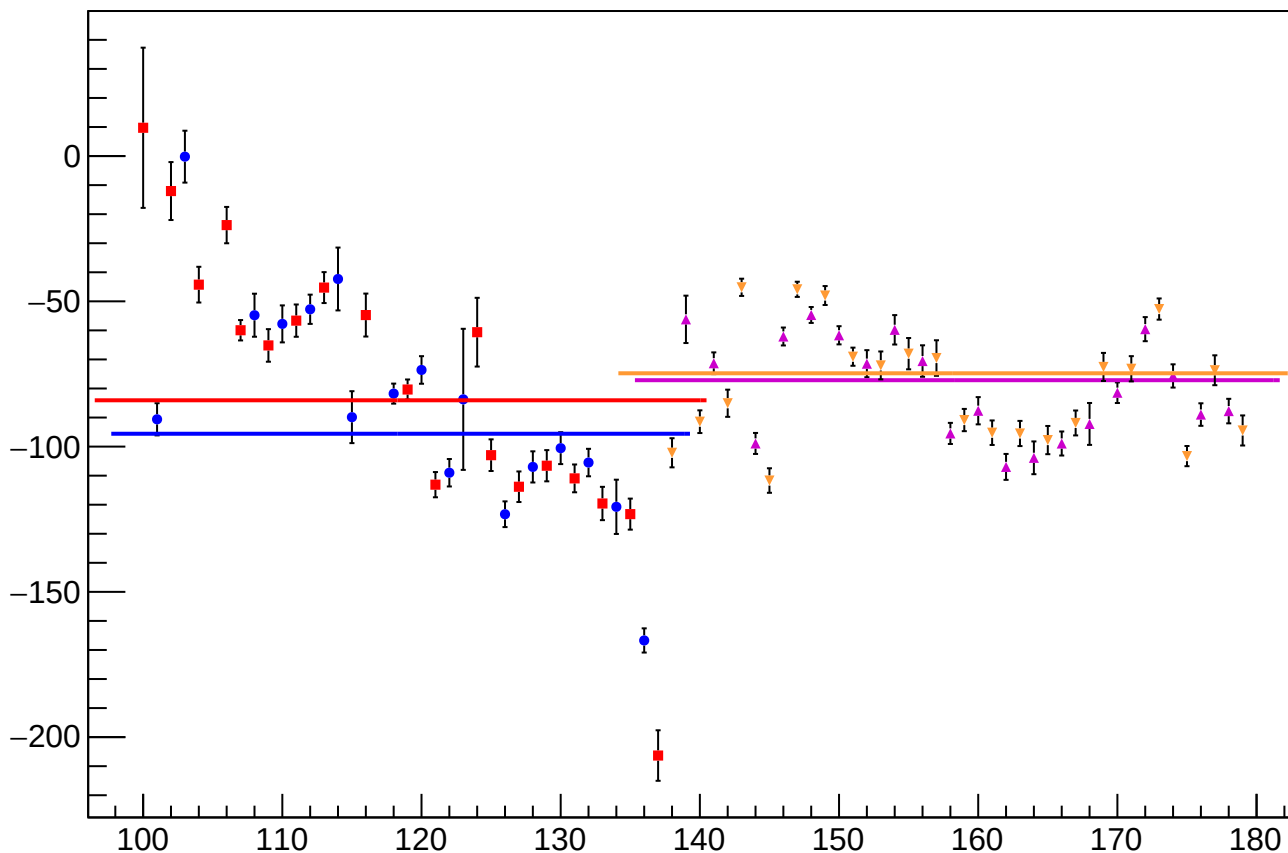
Left In: -219.123+/-1.057 χ^2/NDF : 1342.6/19

+ sign -224.330+/-0.922 χ^2/NDF : 3295.6/38

All: -225.521+/-0.657 χ^2/NDF : 6921.3/77

- sign -226.748+/-0.936 χ^2/NDF : 3622.3/38

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

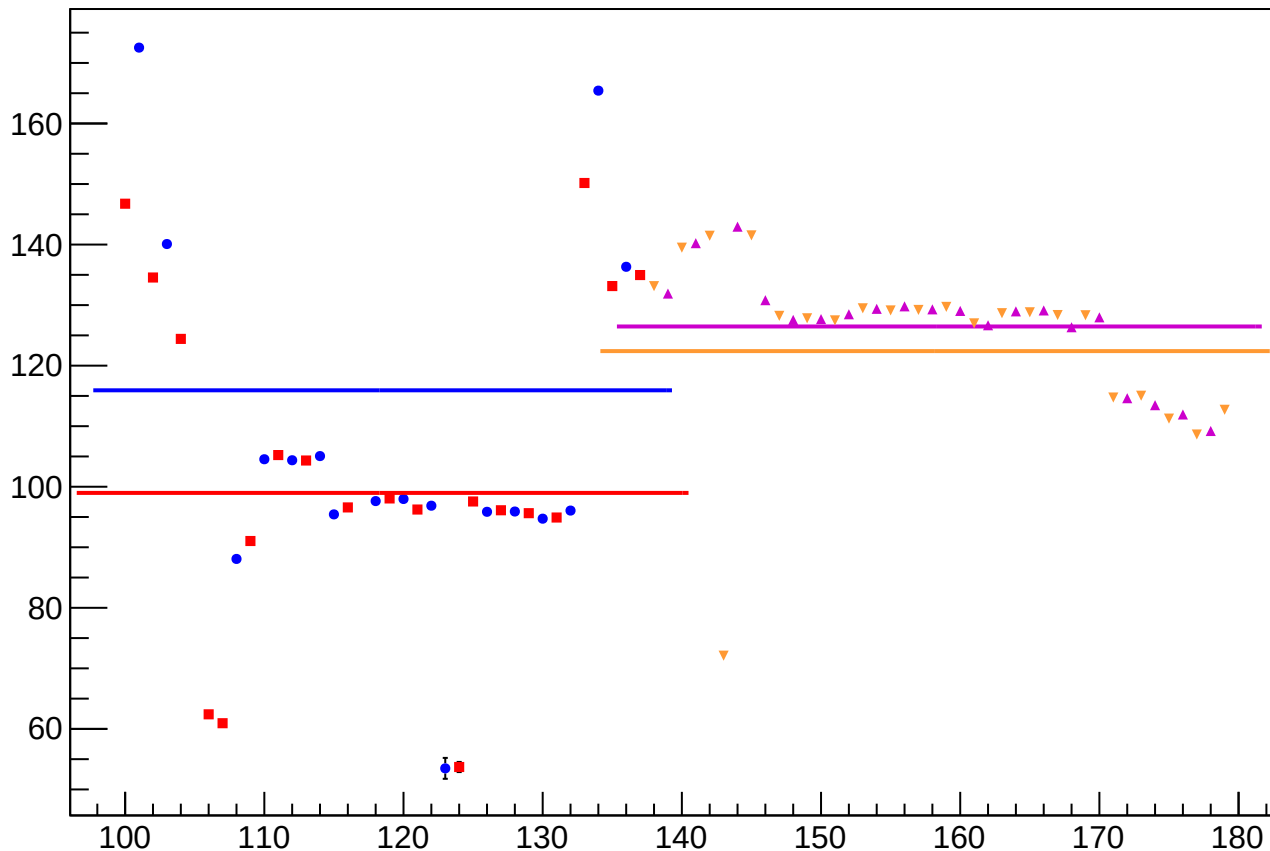
Left In: -77.147 ± 0.903 χ^2/NDF : 340.2/19

+ sign -80.772 ± 0.720 χ^2/NDF : 1488.4/38

All: -80.149 ± 0.514 χ^2/NDF : 2633.4/77

- sign -79.503 ± 0.733 χ^2/NDF : 1143.4/38

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

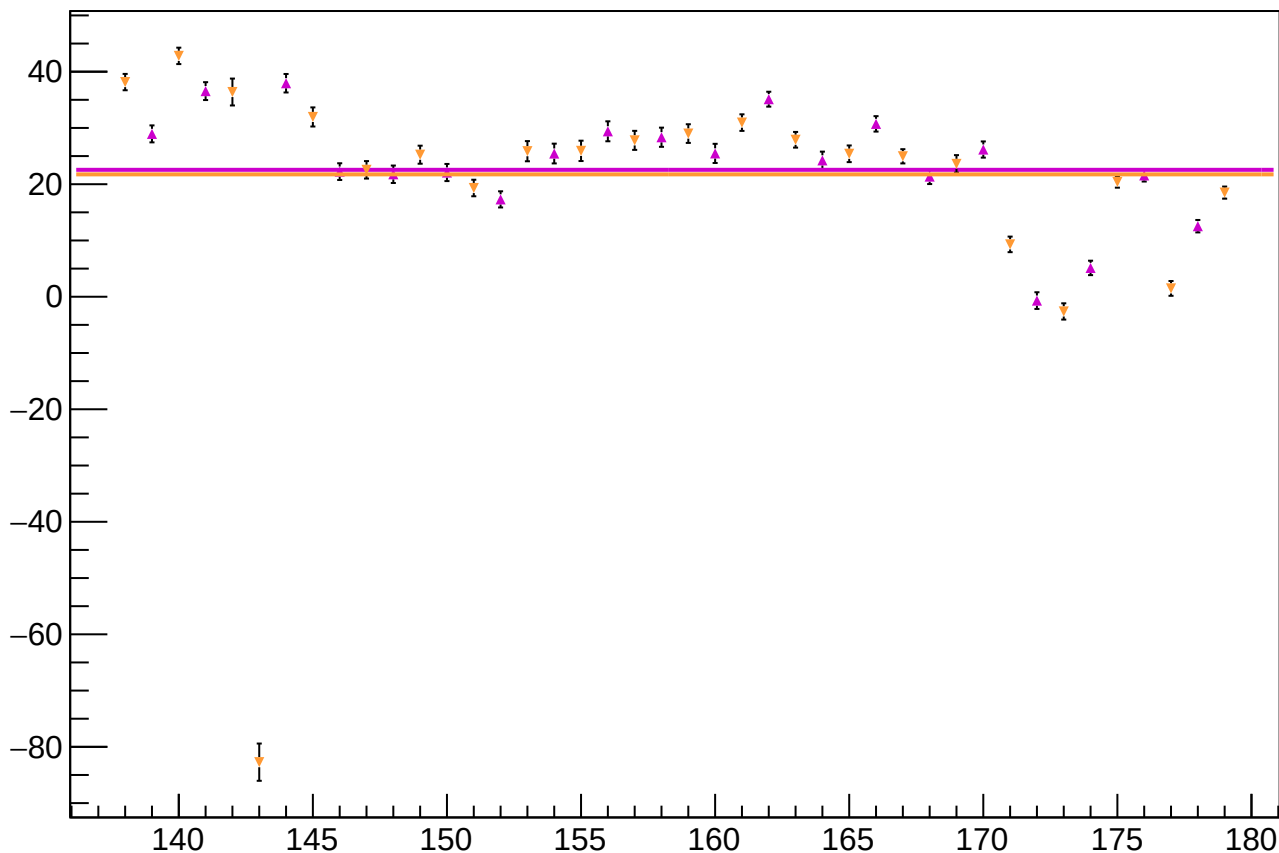
Left In: 126.470 $\pm$ 0.042 χ^2 /NDF:39272.8/19

+ sign 121.005 $\pm$ 0.036 χ^2 /NDF: 271416.1/38

All: 119.927 $\pm$ 0.026 χ^2 /NDF: 601754.3/77

- sign 118.872 $\pm$ 0.036 χ^2 /NDF: 328606.3/38

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

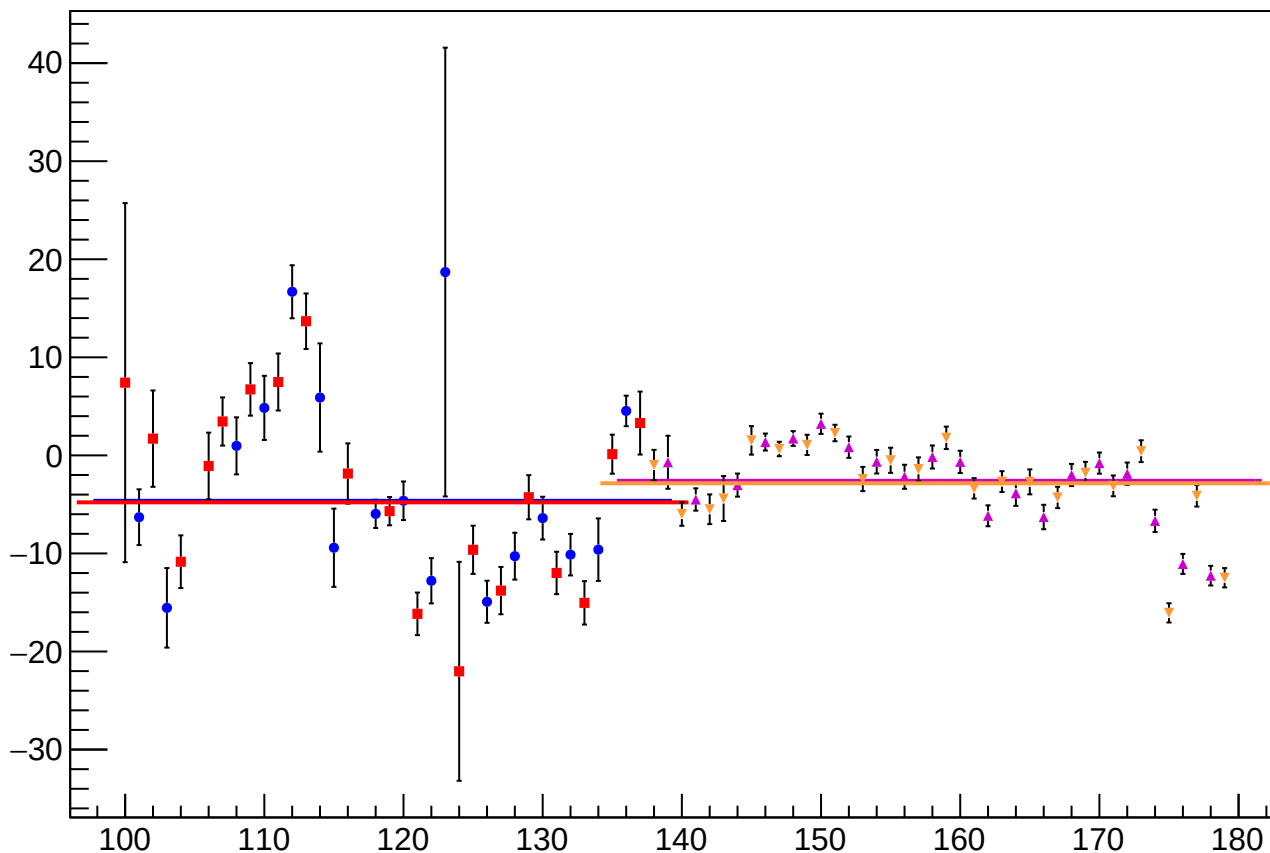
Left In: 22.559+/-0.323 χ^2/NDF : 875.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 22.146+/-0.226 χ^2/NDF : 3019.9/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_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

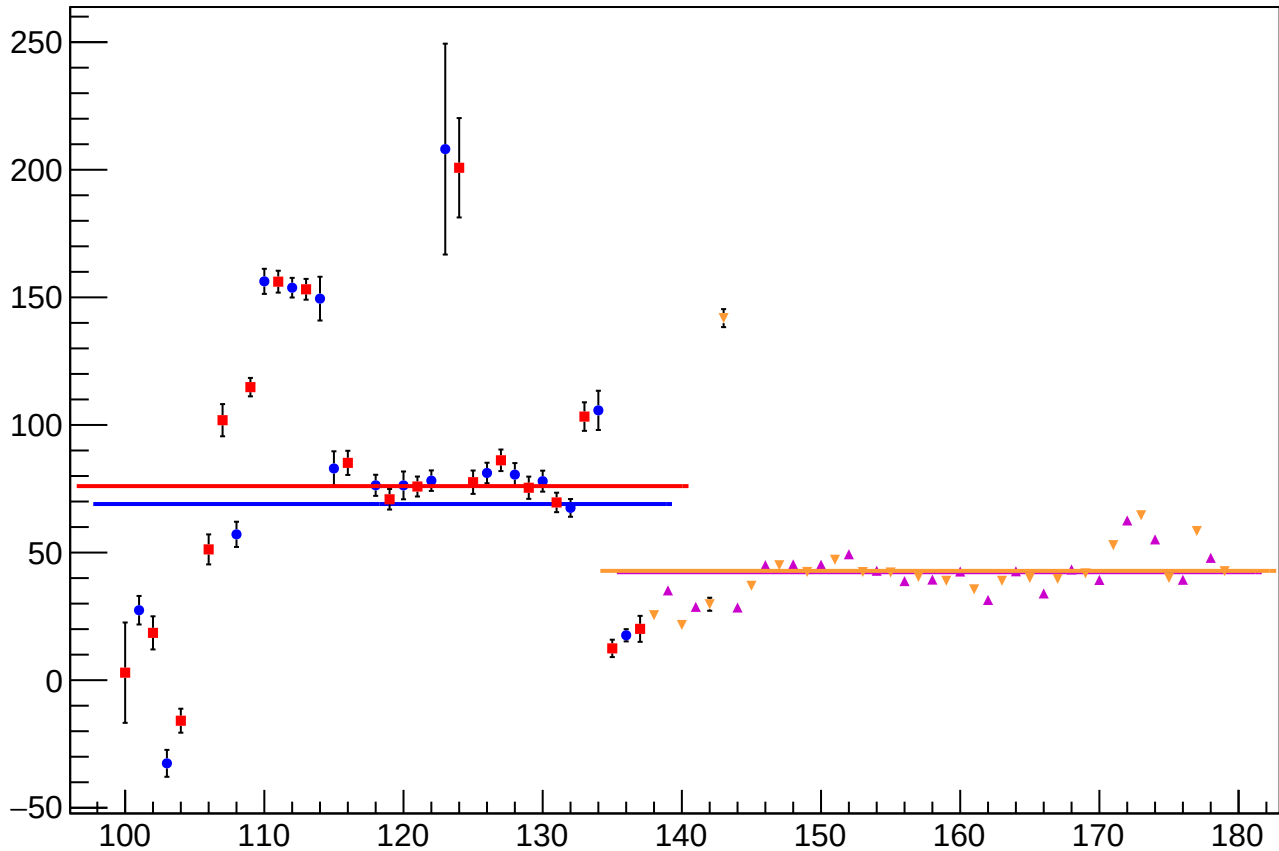
Left In: -2.597 ± 0.245 χ^2/NDF : 308.3/19

+ sign -3.097 ± 0.220 χ^2/NDF : 588.6/38

All: -3.014 ± 0.158 χ^2/NDF : 1101.7/77

- sign -2.925 ± 0.226 χ^2/NDF : 512.8/38

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

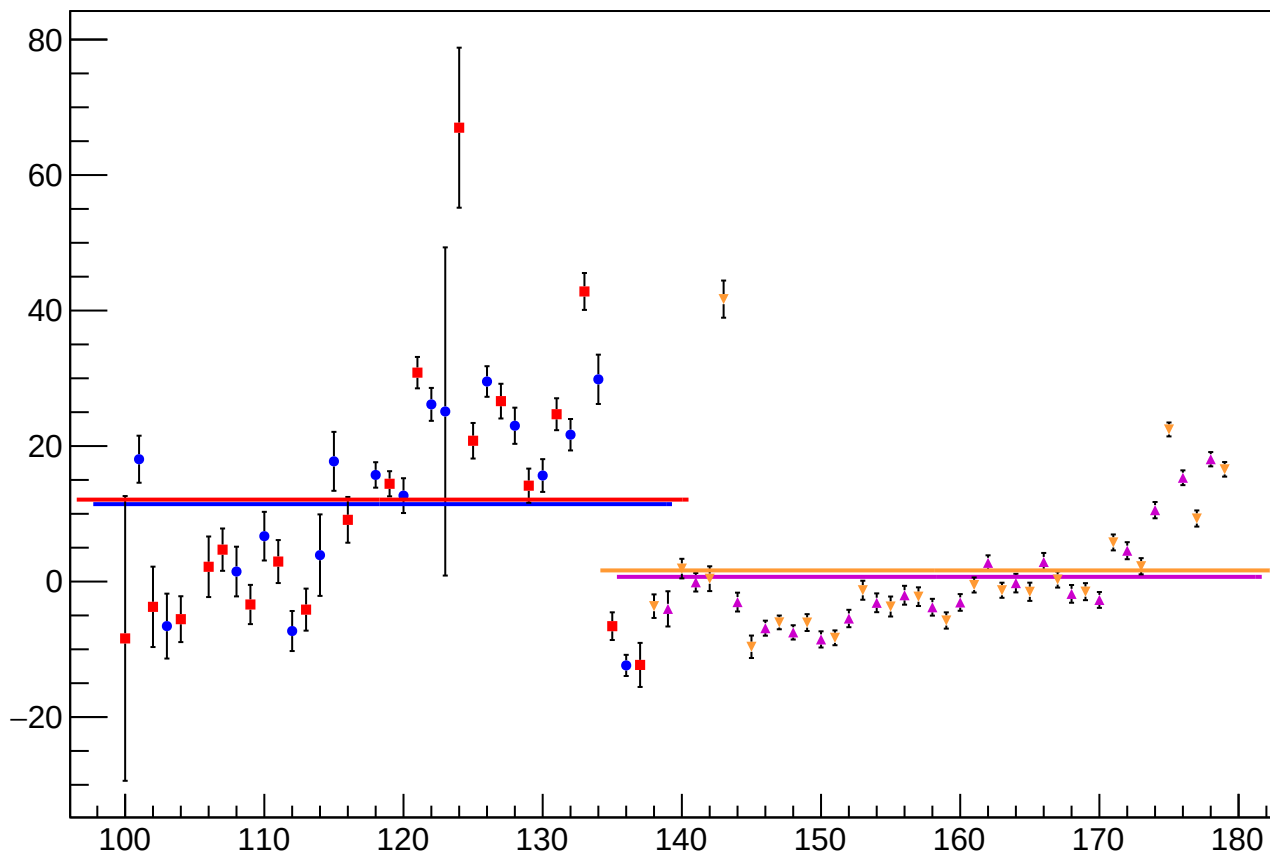
Left In: 42.298 $\pm$ 0.319 χ^2 /NDF:603.7/19

+ sign 44.838 $\pm$ 0.300 χ^2 /NDF: 3994.1/38

All: 44.944 $\pm$ 0.214 χ^2 /NDF: 7393.4/77

- sign 45.054 $\pm$ 0.306 χ^2 /NDF: 3399.1/38

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

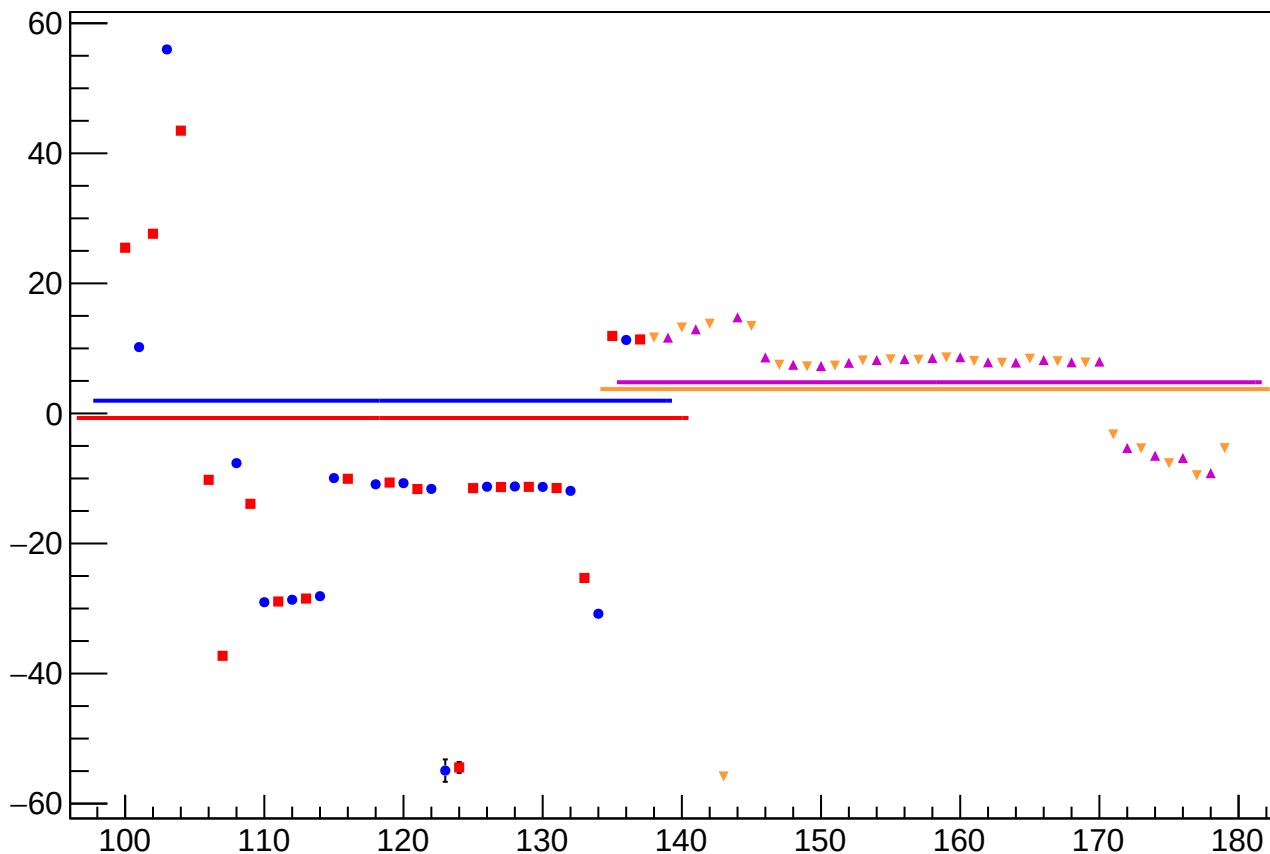
Left In: 0.695 $\pm$ 0.279 χ^2 /NDF:779.4/19

+ sign 3.030 $\pm$ 0.250 χ^2 /NDF: 1852.2/38

All: 2.726 $\pm$ 0.179 χ^2 /NDF: 3424.3/77

- sign 2.406 $\pm$ 0.257 χ^2 /NDF: 1569.1/38

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

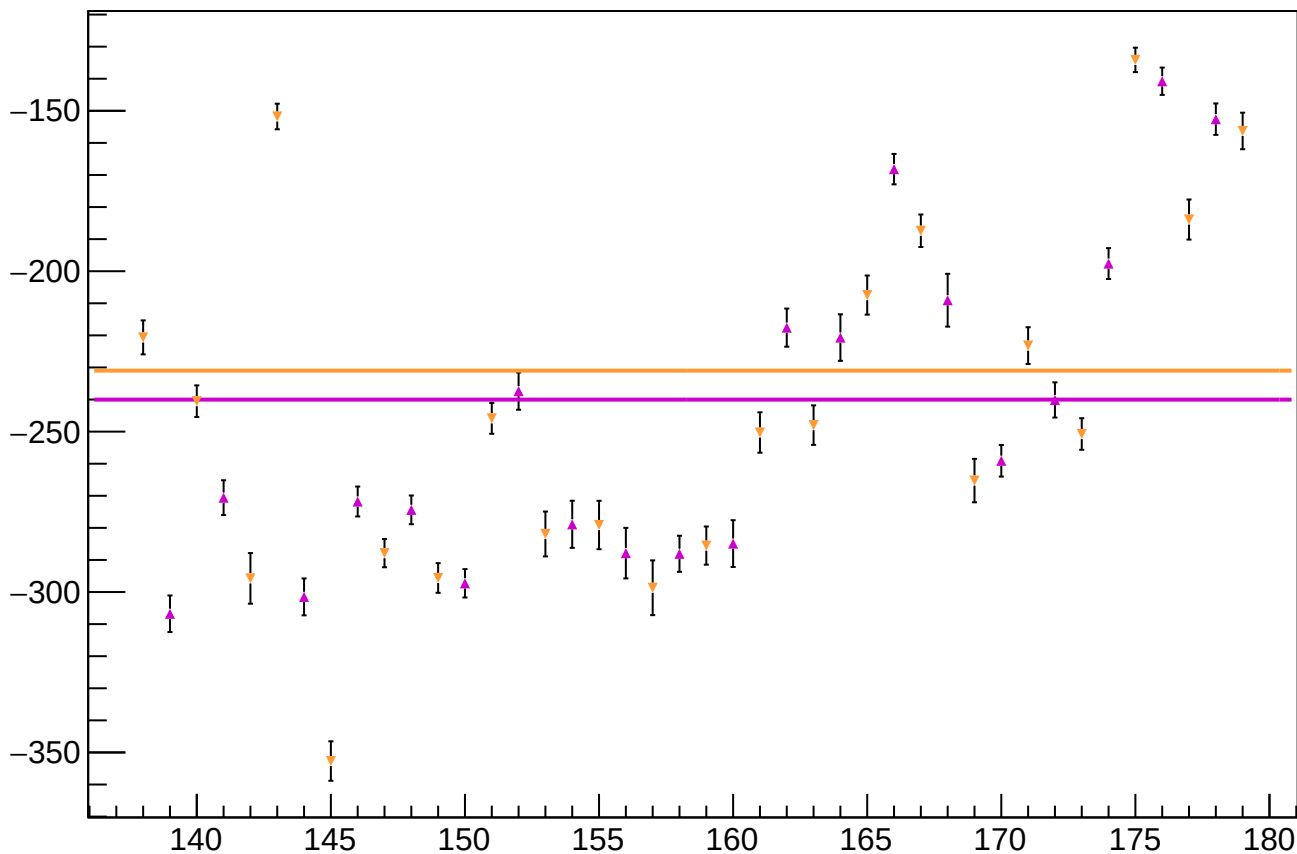
Left In: 4.797 ± 0.013 χ^2/NDF : 309529.8/19

+ sign 3.565 ± 0.012 χ^2/NDF : 874253.6/38

All: 3.891 ± 0.008 χ^2/NDF : 1566180.3/77

- sign 4.226 ± 0.012 χ^2/NDF : 690379.0/38

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

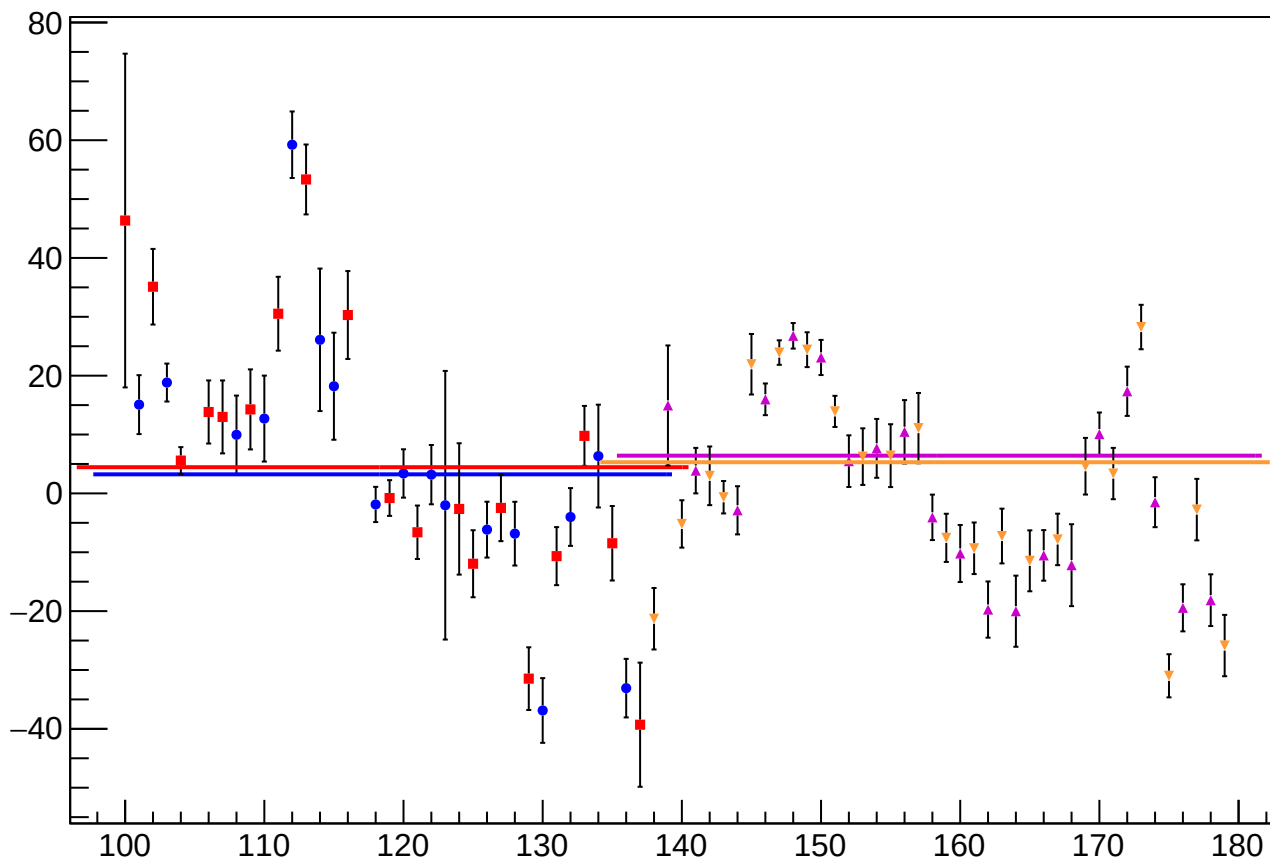
Left In: -240.020+/-1.215 χ^2/NDF : 1952.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -235.305+/-0.840 χ^2/NDF : 4478.8/41

- 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

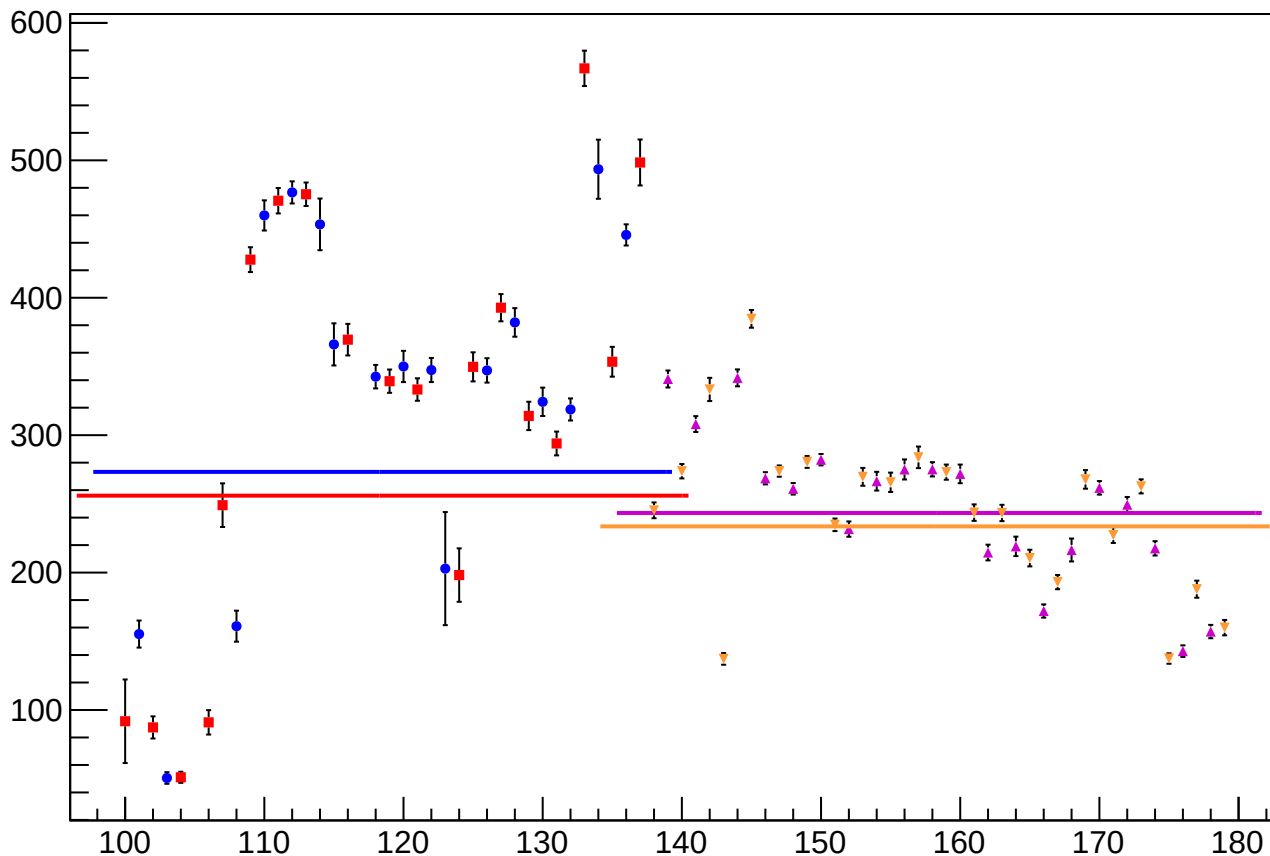
Left In: 6.409 ± 0.883 χ^2/NDF : 314.1/19

+ sign 4.665 ± 0.688 χ^2/NDF : 659.8/38

All: 5.167 ± 0.491 χ^2/NDF : 1202.6/77

- sign 5.688 ± 0.702 χ^2/NDF : 541.7/38

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

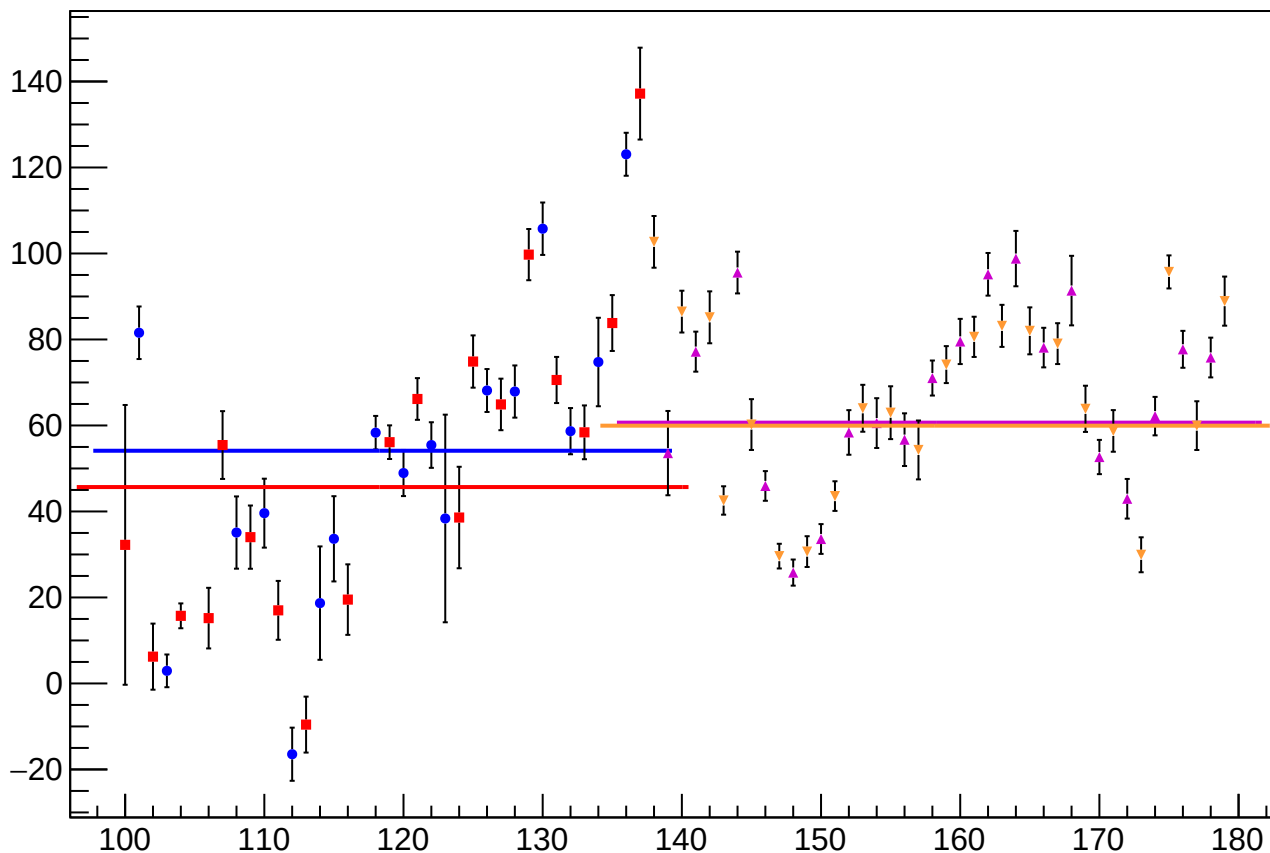
Left In: 243.383 $\pm$ 1.199 χ^2 /NDF: 2048.0/19

+ sign 242.140 $\pm$ 1.022 χ^2 /NDF: 7981.9/38

All: 244.299 $\pm$ 0.729 χ^2 /NDF: 16504.9/77

- sign 246.527 $\pm$ 1.039 χ^2 /NDF: 8514.0/38

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

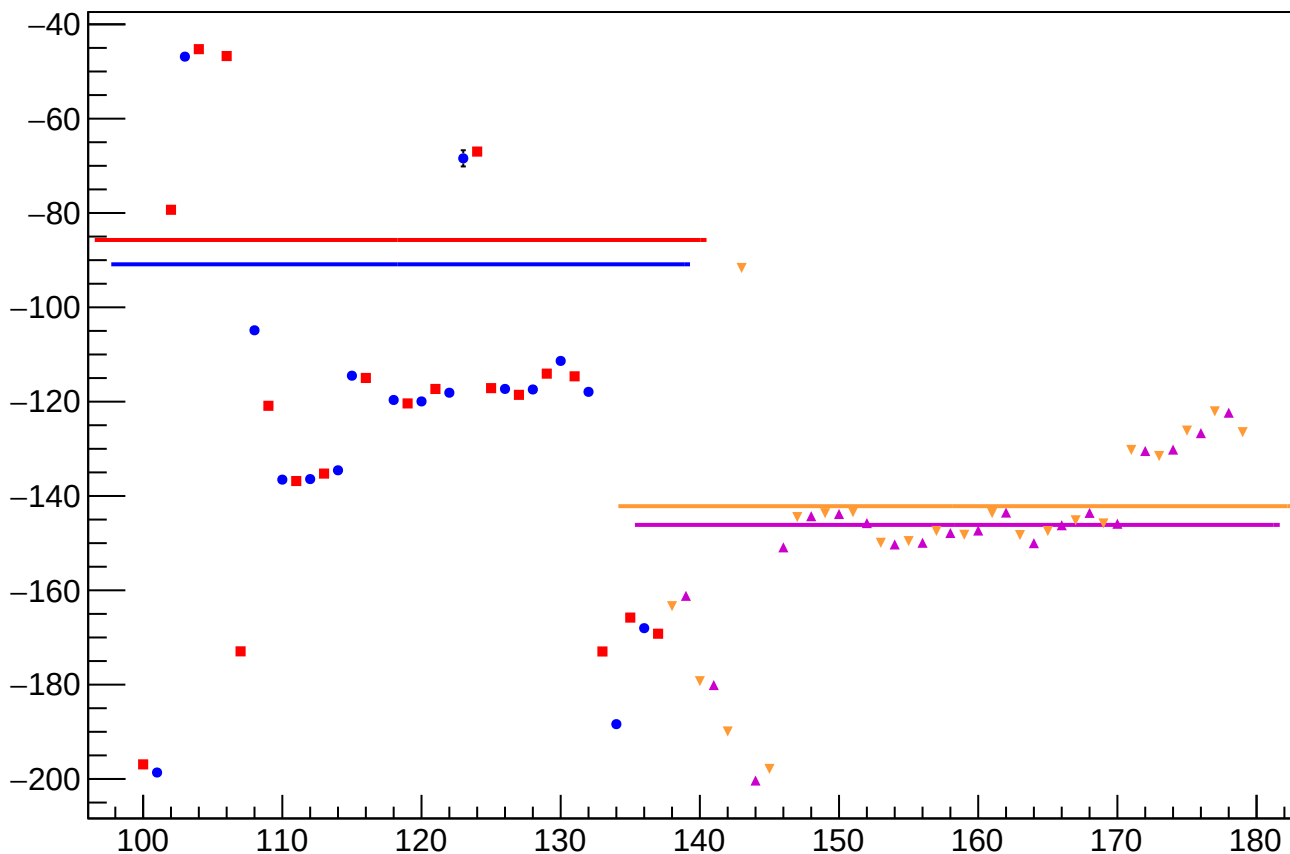
Left In: 60.654 $\pm$ 1.024 χ^2 /NDF: 453.6/19

+ sign 58.136 $\pm$ 0.802 χ^2 /NDF: 1226.3/38

All: 56.704 $\pm$ 0.573 χ^2 /NDF: 2295.0/77

- sign 55.218 $\pm$ 0.818 χ^2 /NDF: 1062.2/38

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

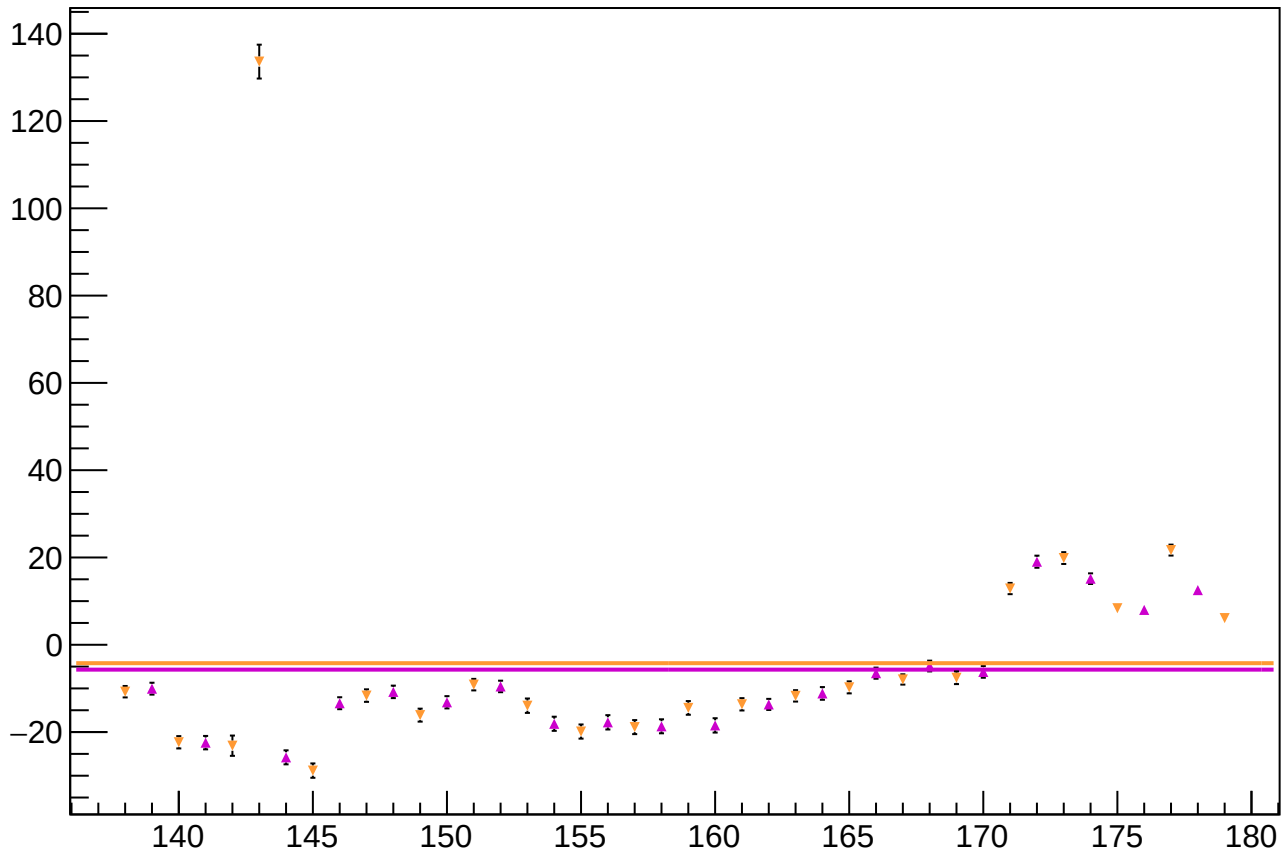
Left In: -146.132 ± 0.048 χ^2/NDF : 102696.8/19

+ sign -125.634 ± 0.038 χ^2/NDF : 1141254.2/38

All: -125.214 ± 0.027 χ^2/NDF : 2295835.8/77

- sign -124.789 ± 0.039 χ^2/NDF : 1154341.5/38

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

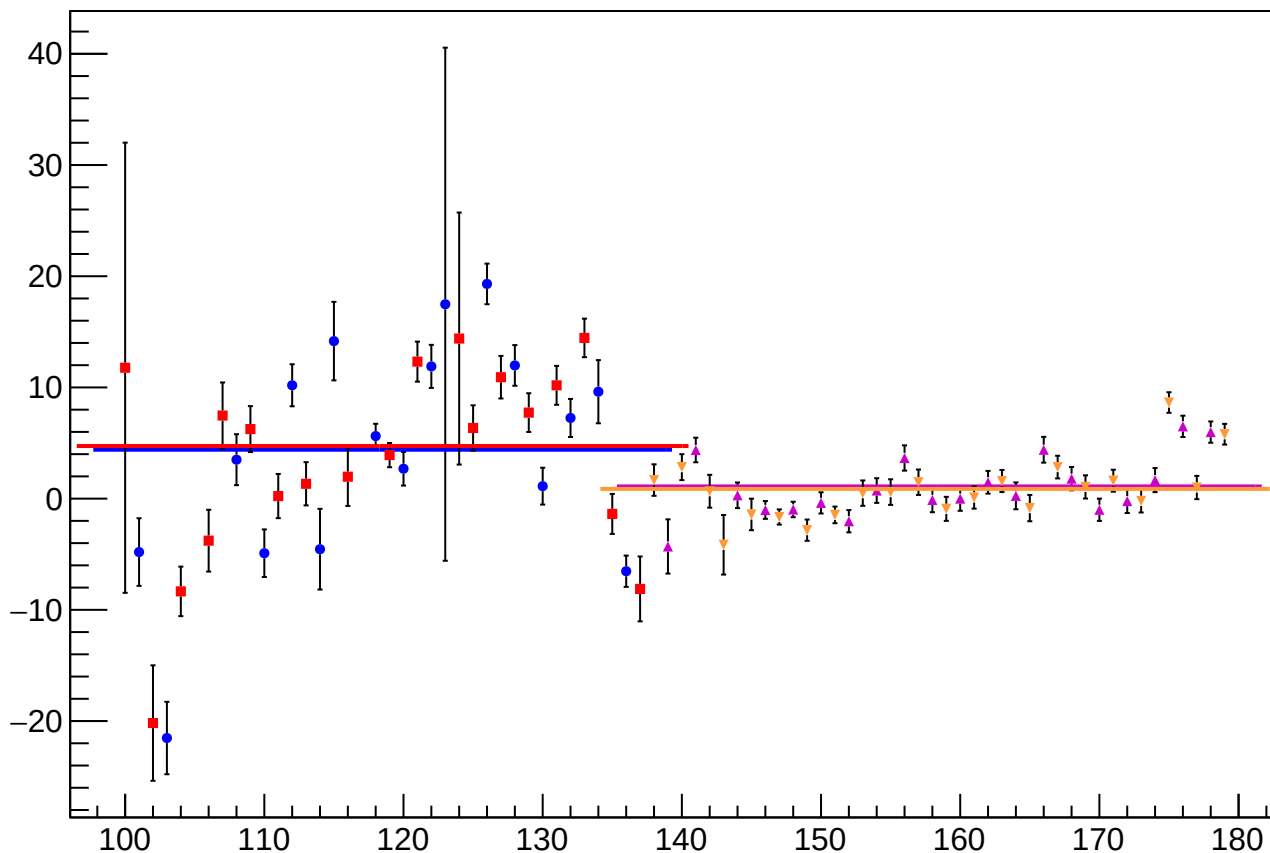
Left In: -5.698+/-0.302 χ^2/NDF : 1747.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -4.942+/-0.212 χ^2/NDF : 5164.8/41

- 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

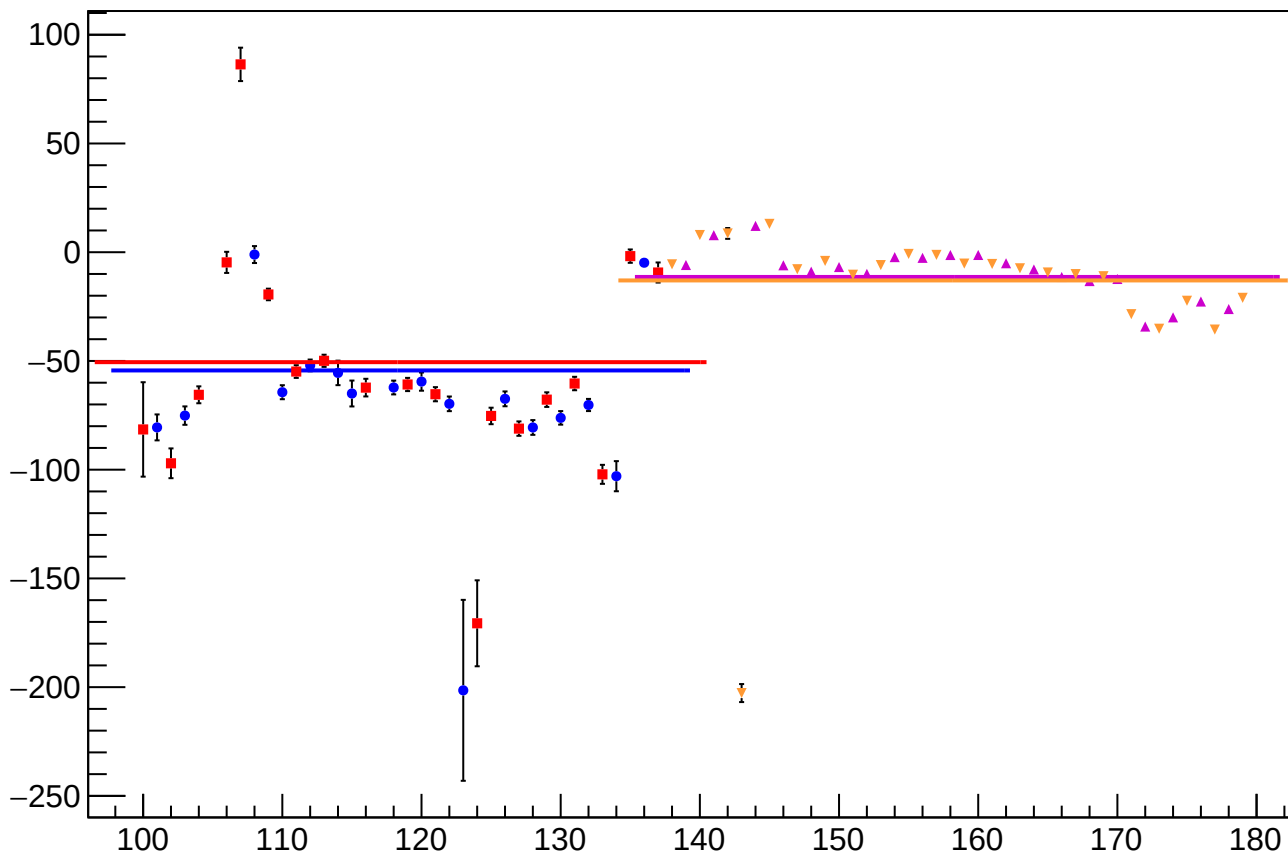
Left In: 1.095 ± 0.230 χ^2/NDF : 122.8/19

+ sign 1.518 ± 0.201 χ^2/NDF : 490.6/38

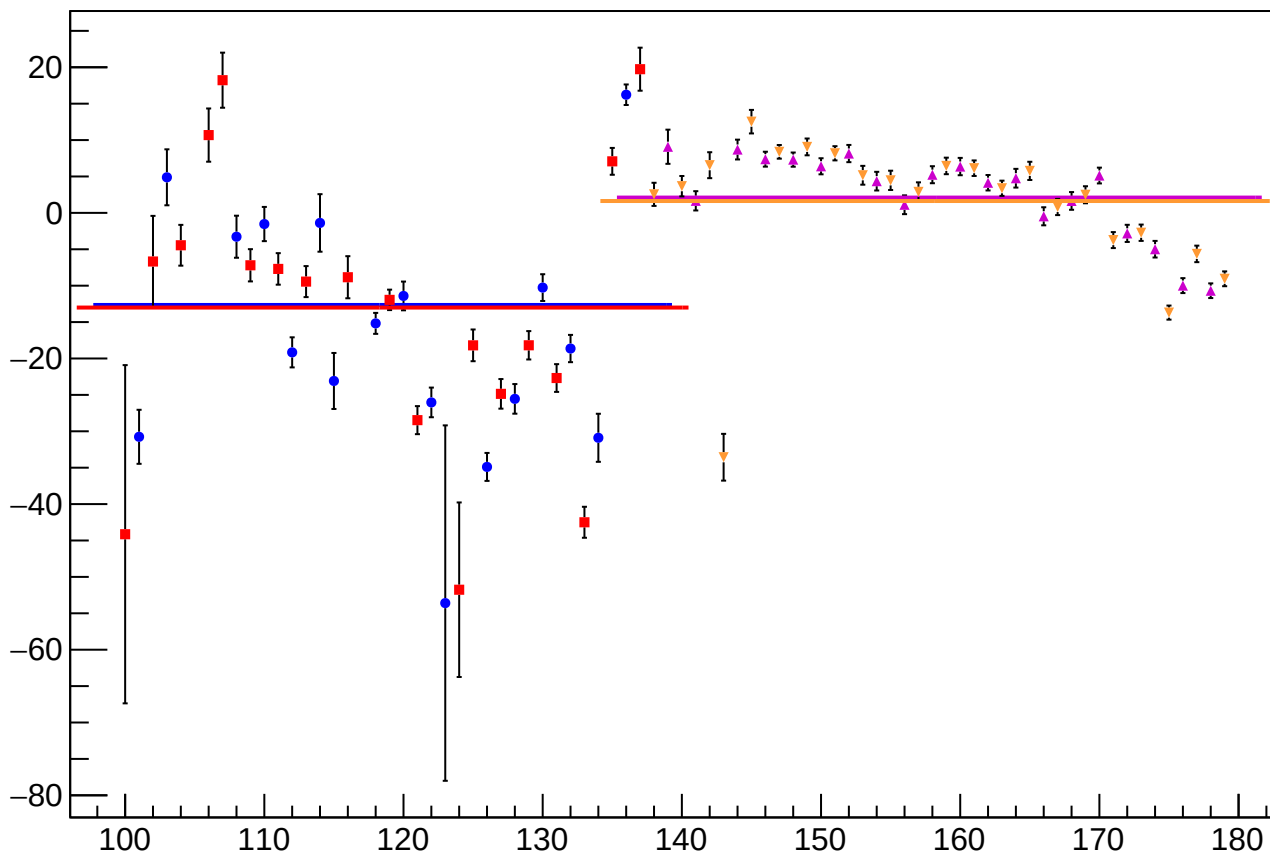
All: 1.650 ± 0.144 χ^2/NDF : 845.0/77

- sign 1.791 ± 0.207 χ^2/NDF : 353.5/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



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

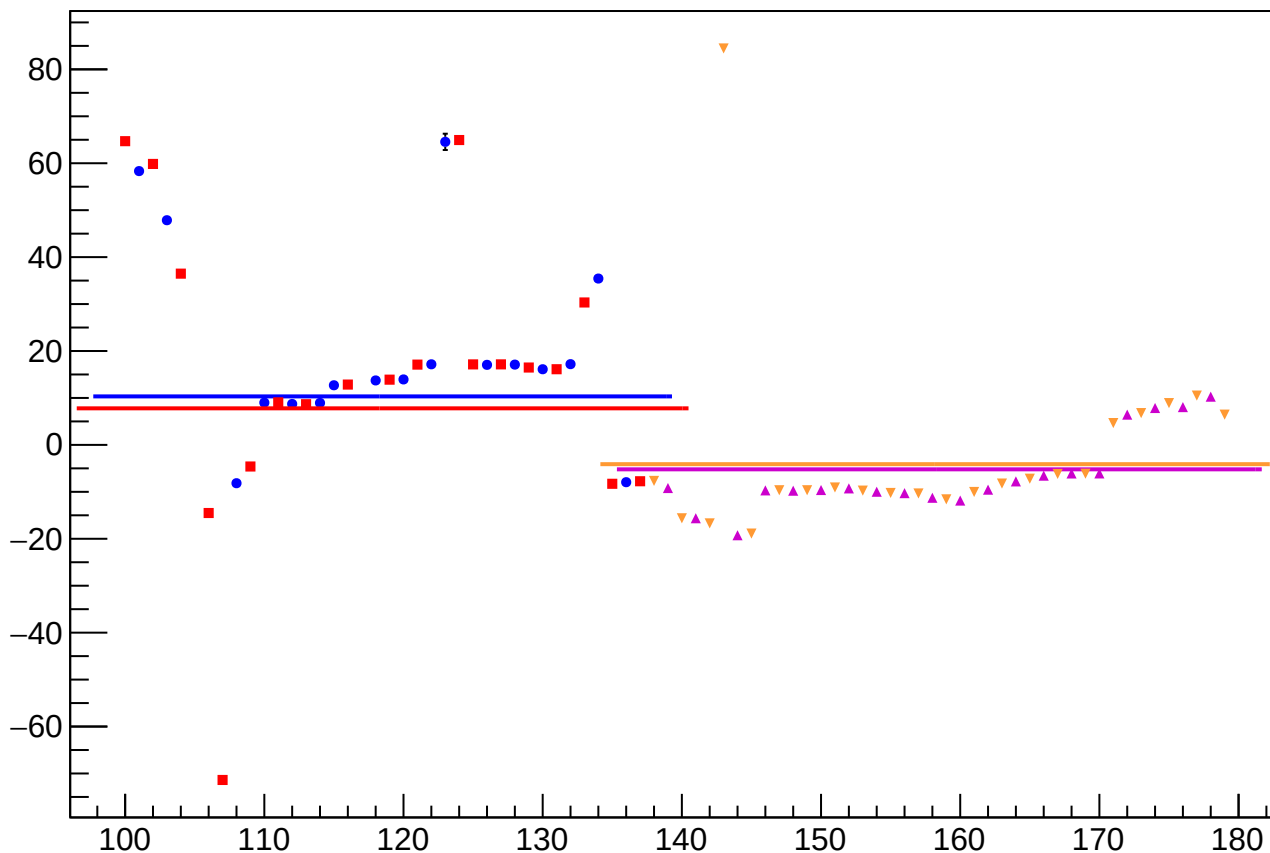
Left In: 2.100 ± 0.262 χ^2/NDF : 528.8/19

+ sign -0.977 ± 0.229 χ^2/NDF : 2186.6/38

All: -0.890 ± 0.164 χ^2/NDF : 4075.3/77

- sign -0.798 ± 0.235 χ^2/NDF : 1888.4/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330+/-0.031 χ^2/NDF : 380857.1/16

Left Out: -4.108+/-0.012 χ^2/NDF : 800710.0/21

Right Out: 7.786+/-0.031 χ^2/NDF : 544119.7/18

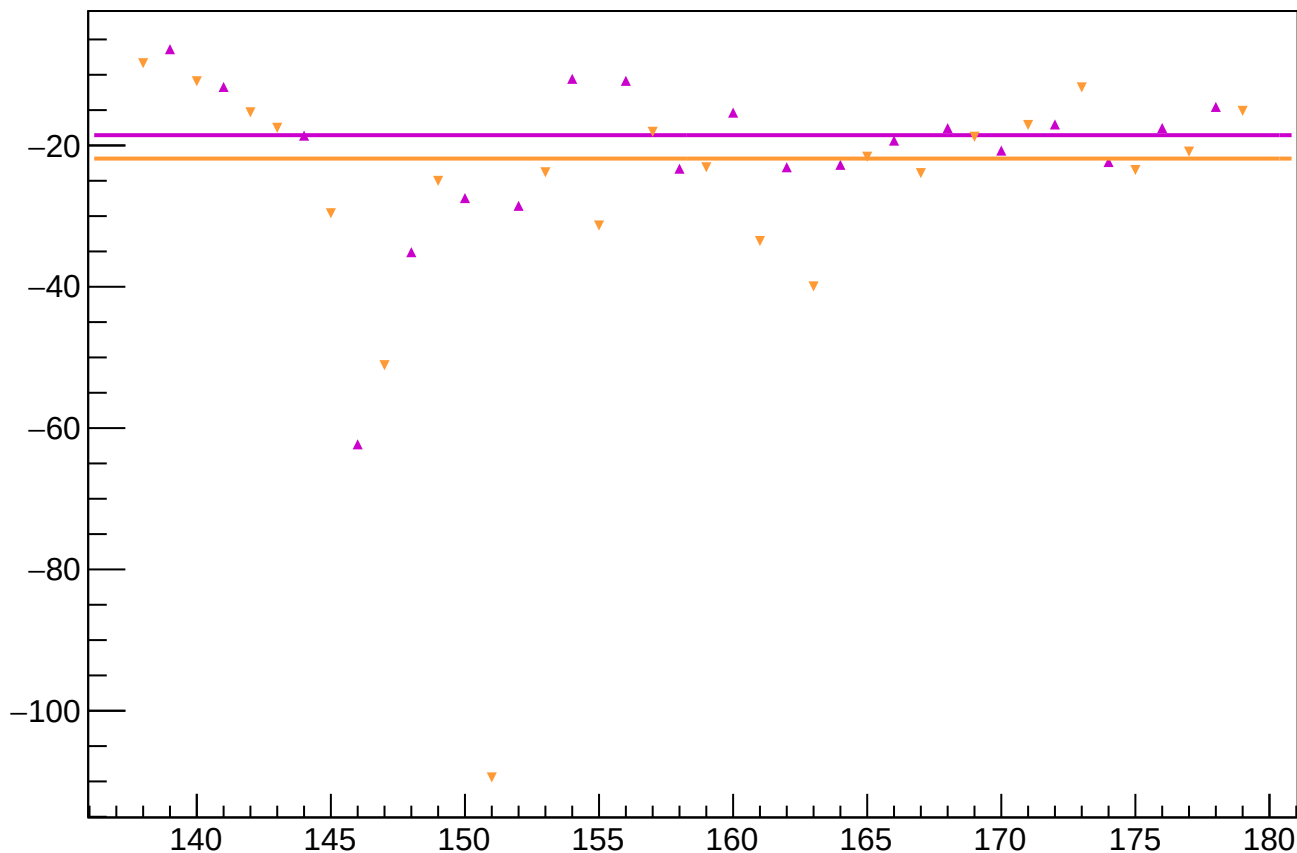
Left In: -5.209+/-0.012 χ^2/NDF : 466366.4/19

+ sign -2.284+/-0.011 χ^2/NDF : 1375093.9/38

All: -2.925+/-0.008 χ^2/NDF : 2543388.3/77

- sign -3.585+/-0.011 χ^2/NDF : 1161274.7/38

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

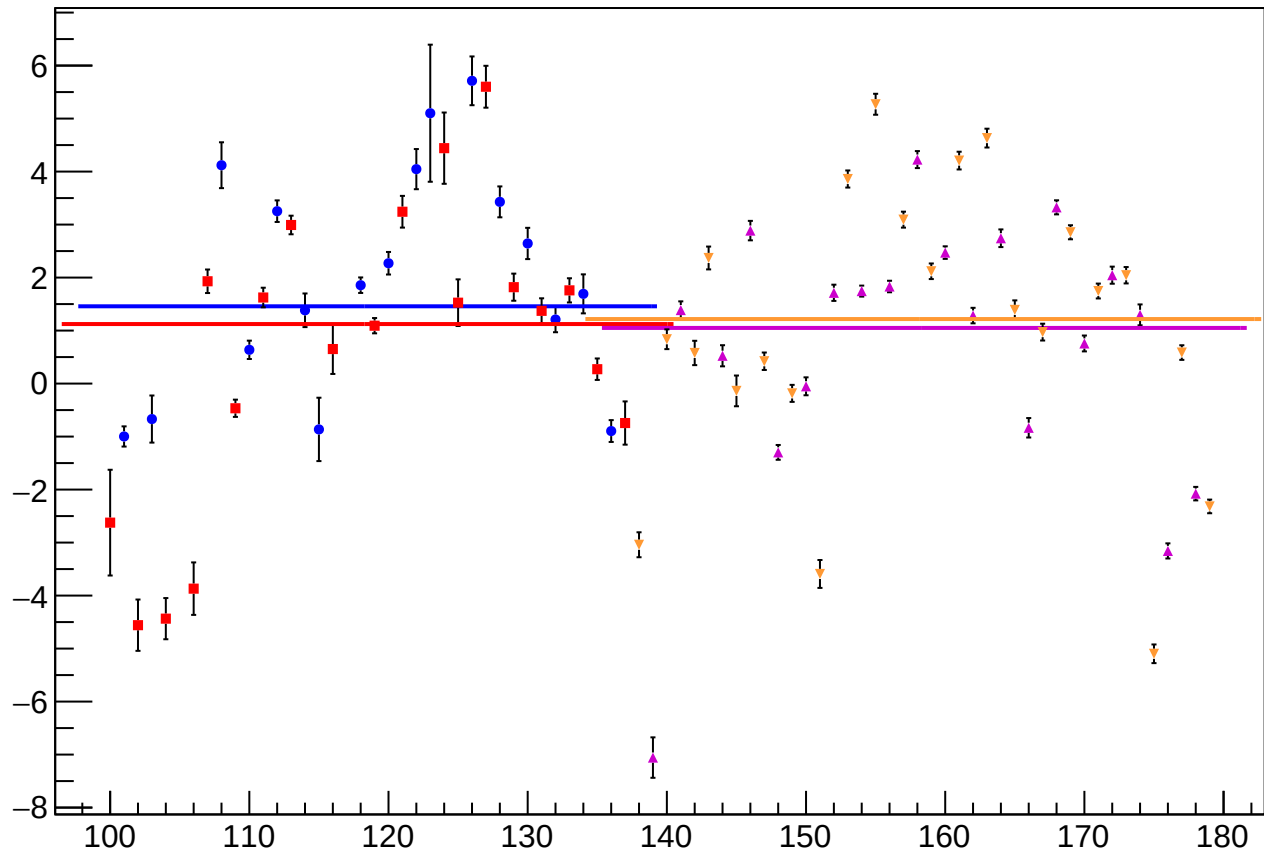
Left In: -18.547+/-0.044 χ^2/NDF : 38515.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.102+/-0.032 χ^2/NDF : 106414.3/41

- 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 $\pm$ 0.062 χ^2 /NDF: 698.2/16

Left Out: 1.217 $\pm$ 0.036 χ^2 /NDF: 4653.3/21

Right Out: 1.123 $\pm$ 0.058 χ^2 /NDF: 947.4/18

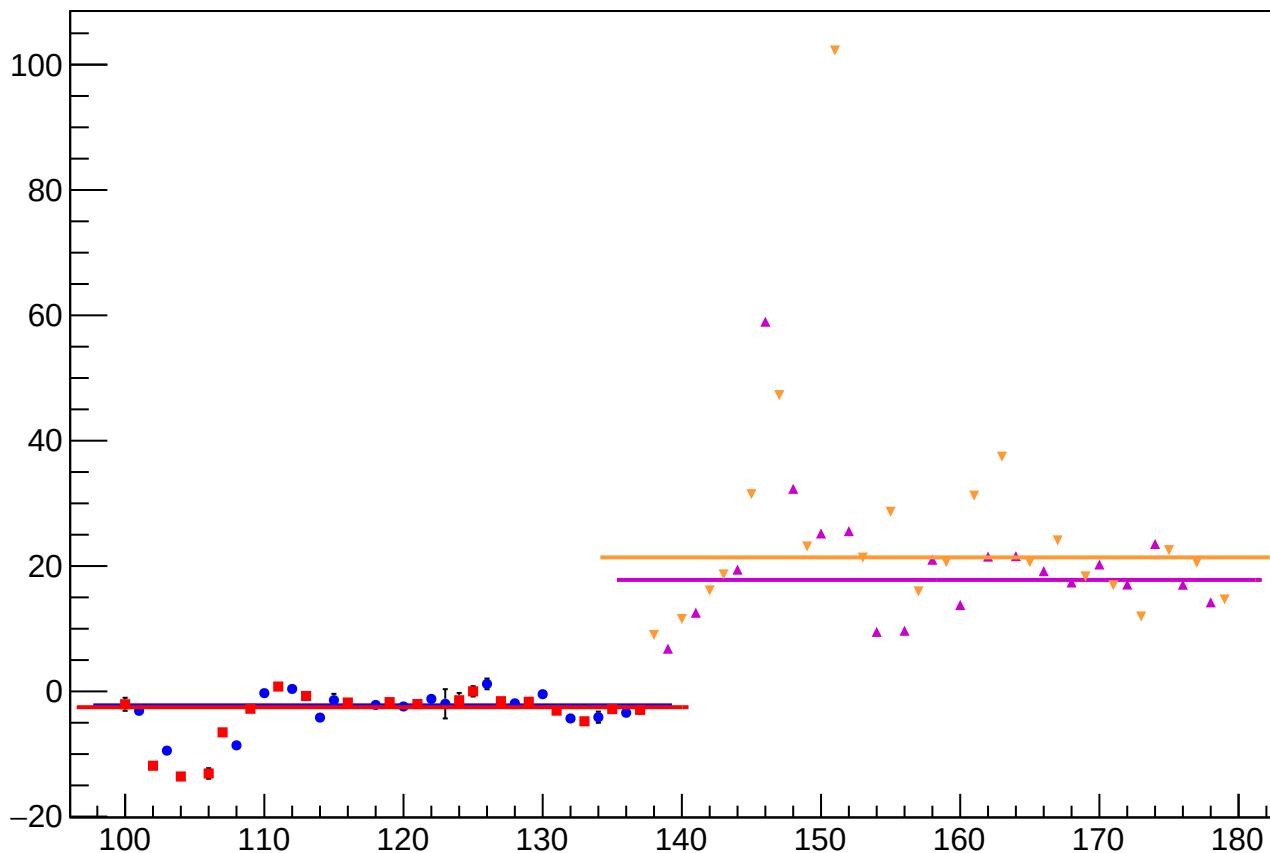
Left In: 1.050 $\pm$ 0.033 χ^2 /NDF: 3558.5/19

+ sign 1.278 $\pm$ 0.031 χ^2 /NDF: 5362.8/38

All: 1.165 $\pm$ 0.021 χ^2 /NDF: 9894.4/77

- sign 1.068 $\pm$ 0.029 χ^2 /NDF: 4507.1/38

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

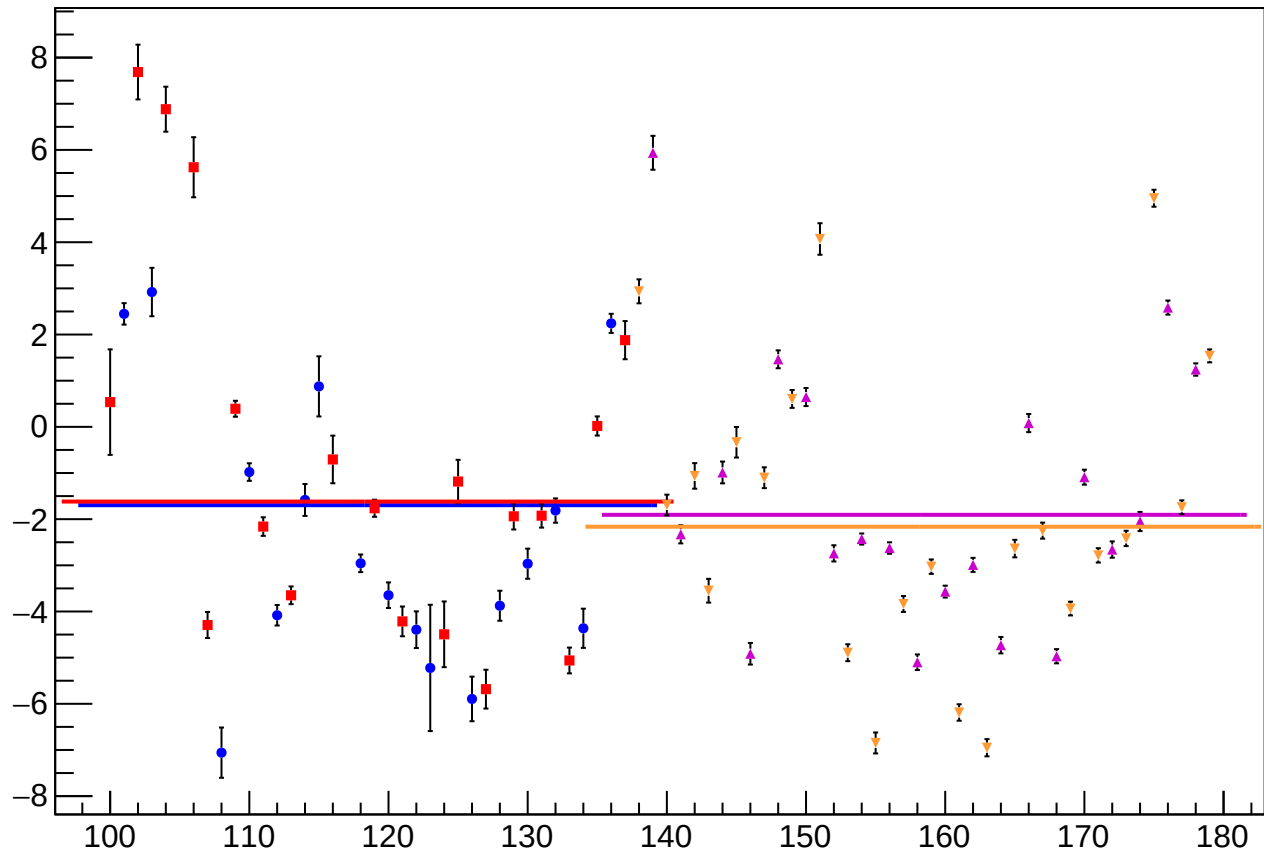
Left In: 17.787 ± 0.043 χ^2/NDF : 36596.5/19

+ sign 17.948 ± 0.042 χ^2/NDF : 97356.8/38

All: 16.141 ± 0.029 χ^2/NDF : 173700.5/77

- sign 14.596 ± 0.039 χ^2/NDF : 72980.4/38

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 $\chi^2/\text{NDF}: 1319.4/16$

Left Out: -2.163 ± 0.040 $\chi^2/\text{NDF}: 5331.0/21$

Right Out: -1.618 ± 0.066 $\chi^2/\text{NDF}: 1489.2/18$

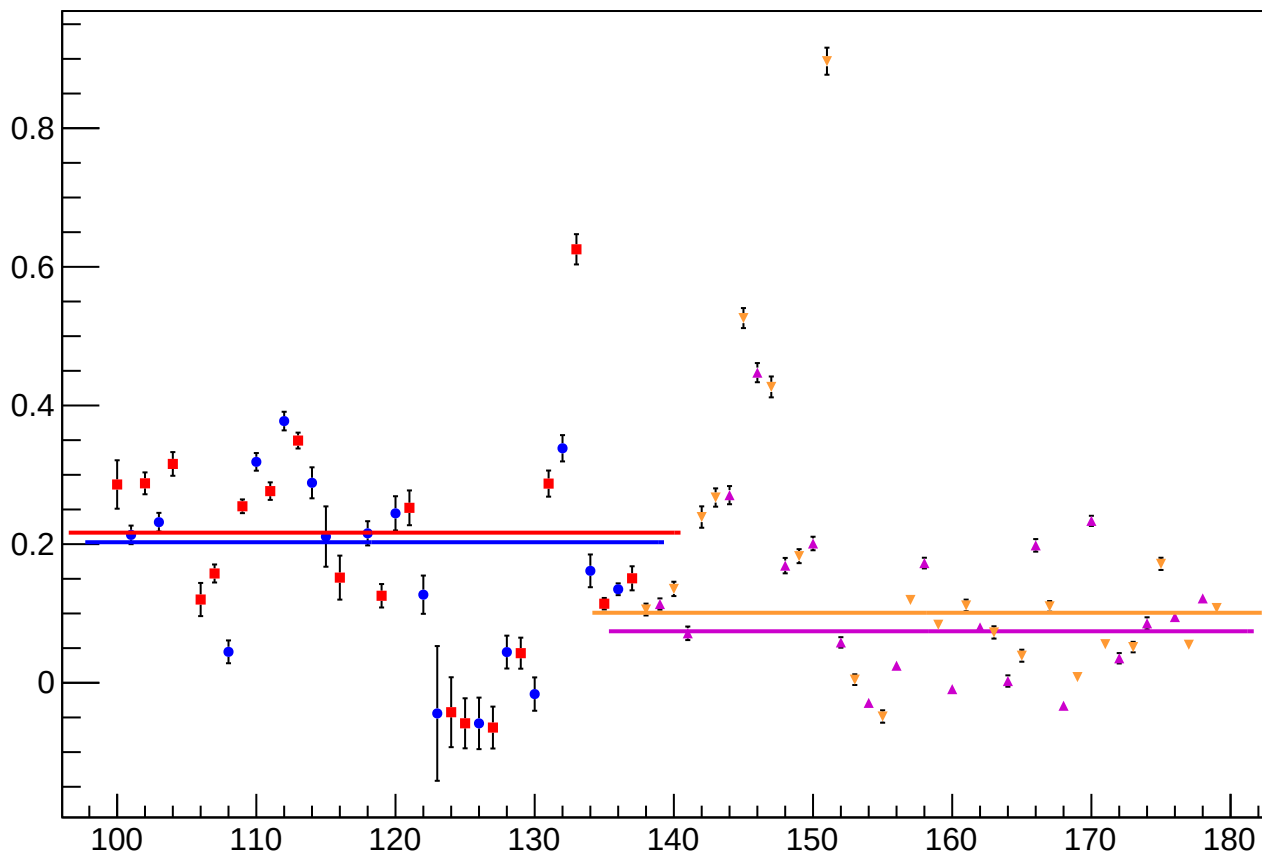
Left In: -1.906 ± 0.037 $\chi^2/\text{NDF}: 3972.3/19$

+ sign -2.051 ± 0.035 $\chi^2/\text{NDF}: 6683.0/38$

All: -1.935 ± 0.024 $\chi^2/\text{NDF}: 12179.3/77$

- sign -1.836 ± 0.032 $\chi^2/\text{NDF}: 5476.0/38$

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

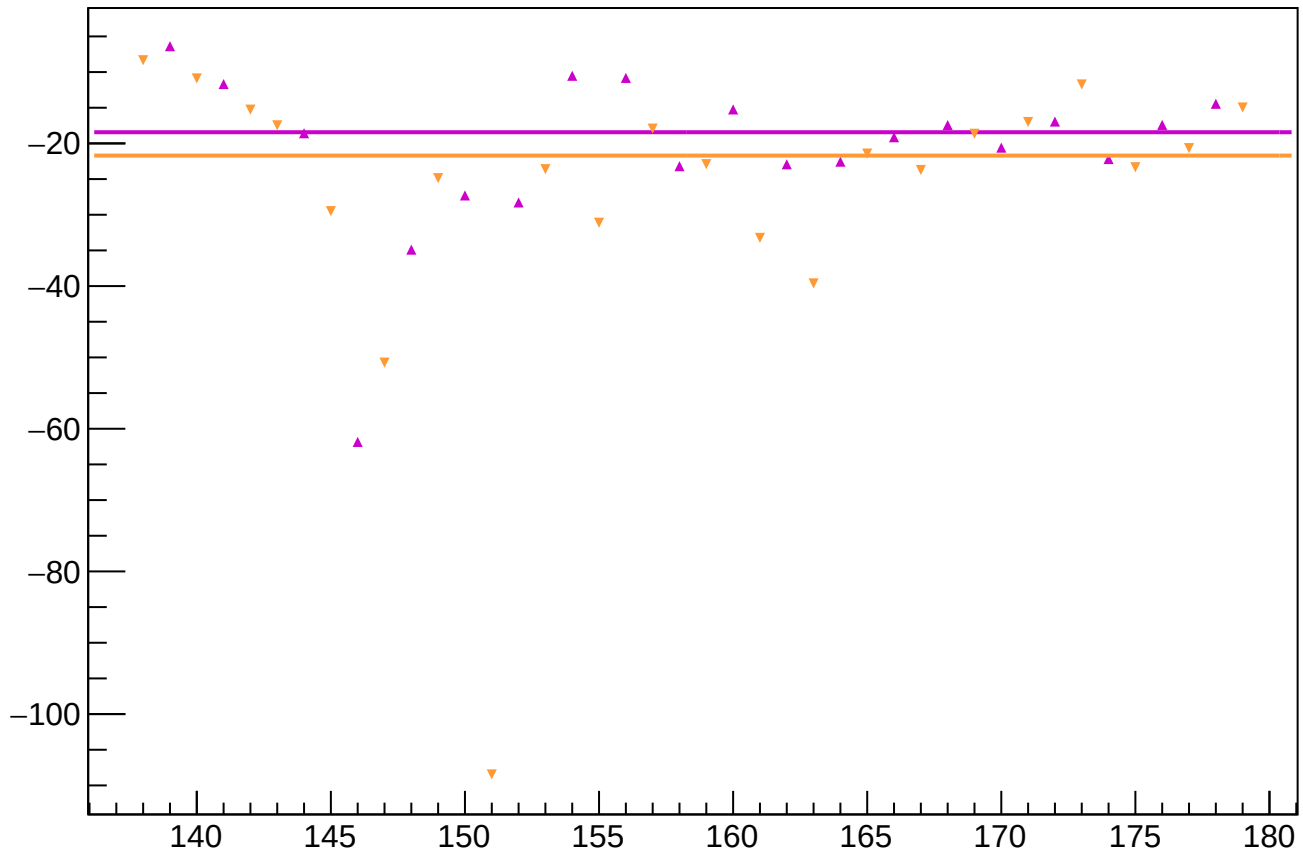
Left In: 0.074 ± 0.002 χ^2/NDF : 3274.0/19

+ sign 0.117 ± 0.002 χ^2/NDF : 5401.2/38

All: 0.106 ± 0.001 χ^2/NDF : 11056.5/77

- sign 0.097 ± 0.001 χ^2/NDF : 5577.3/38

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

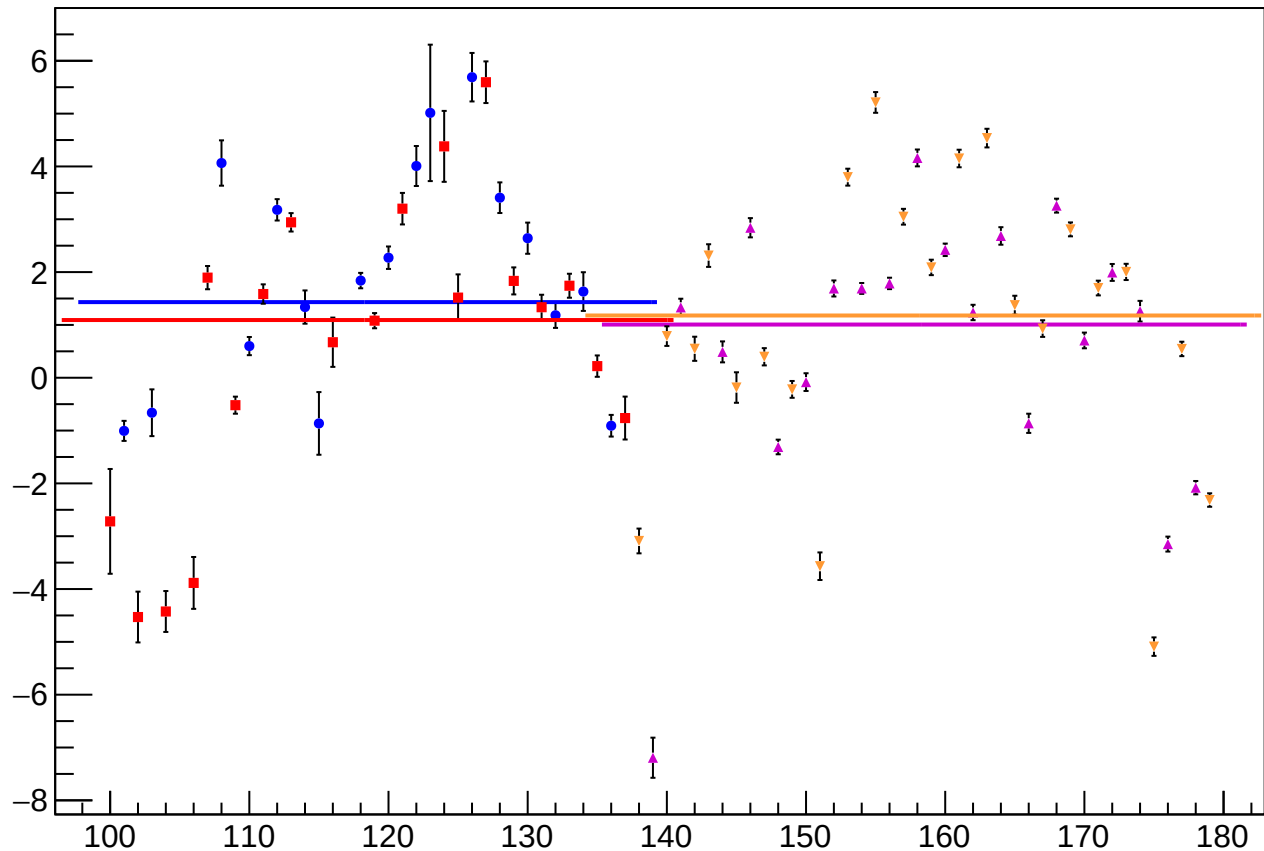
Left In: -18.432+/-0.043 χ^2/NDF : 38437.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -19.970+/-0.032 χ^2/NDF : 106176.2/41

- 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 $\pm$ 0.062 χ^2 /NDF: 696.6/16

Left Out: 1.178 $\pm$ 0.036 χ^2 /NDF: 4648.7/21

Right Out: 1.092 $\pm$ 0.058 χ^2 /NDF: 953.2/18

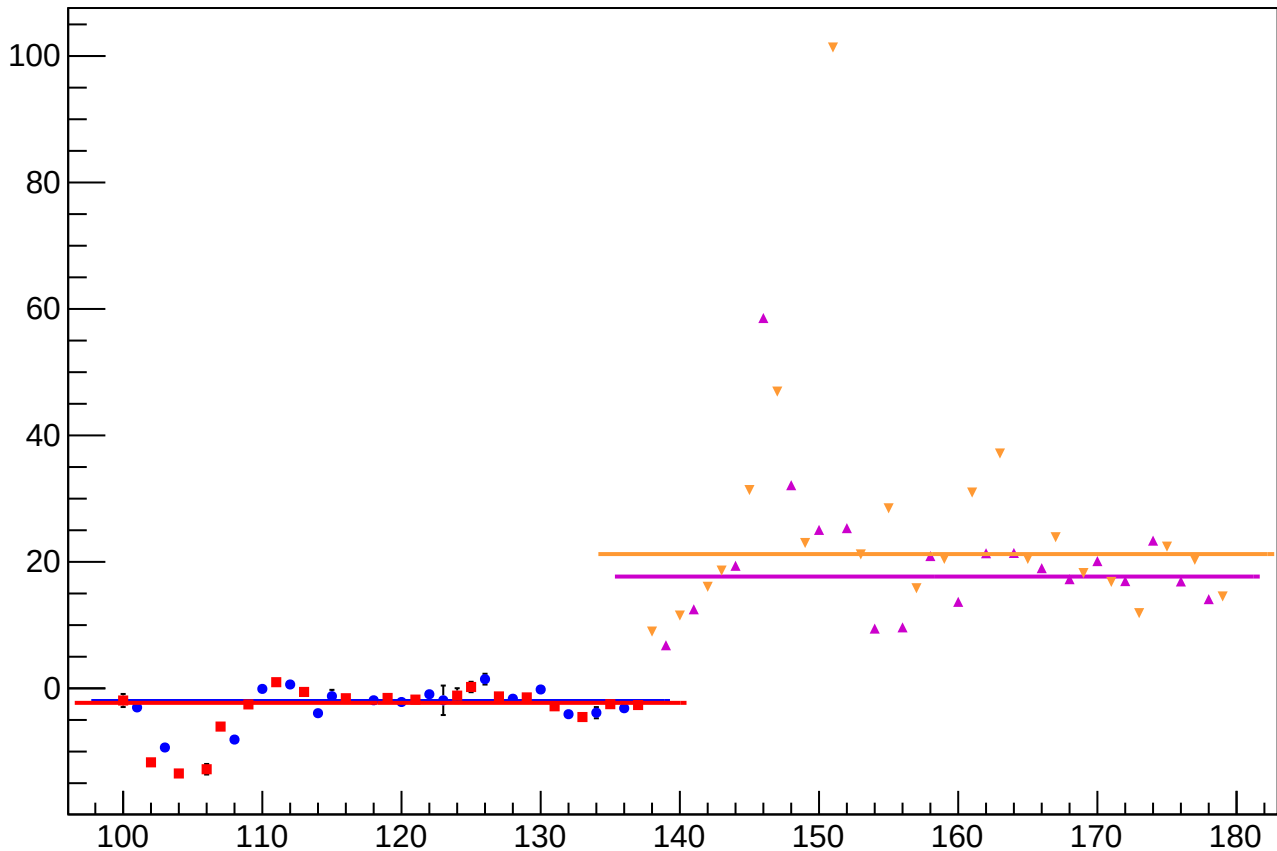
Left In: 1.007 $\pm$ 0.033 χ^2 /NDF: 3553.8/19

+ sign 1.242 $\pm$ 0.031 χ^2 /NDF: 5357.9/38

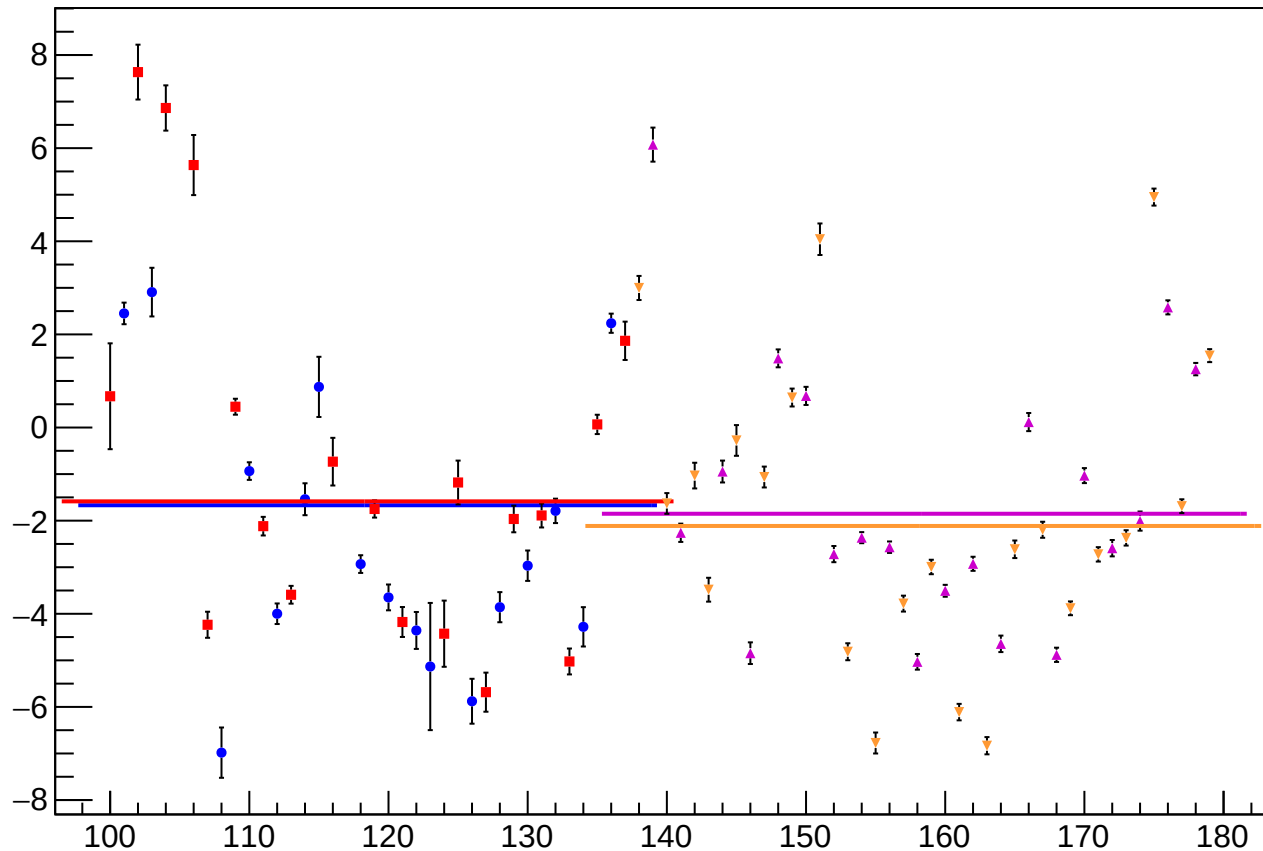
All: 1.127 $\pm$ 0.021 χ^2 /NDF: 9892.3/77

- sign 1.028 $\pm$ 0.029 χ^2 /NDF: 4508.6/38

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



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

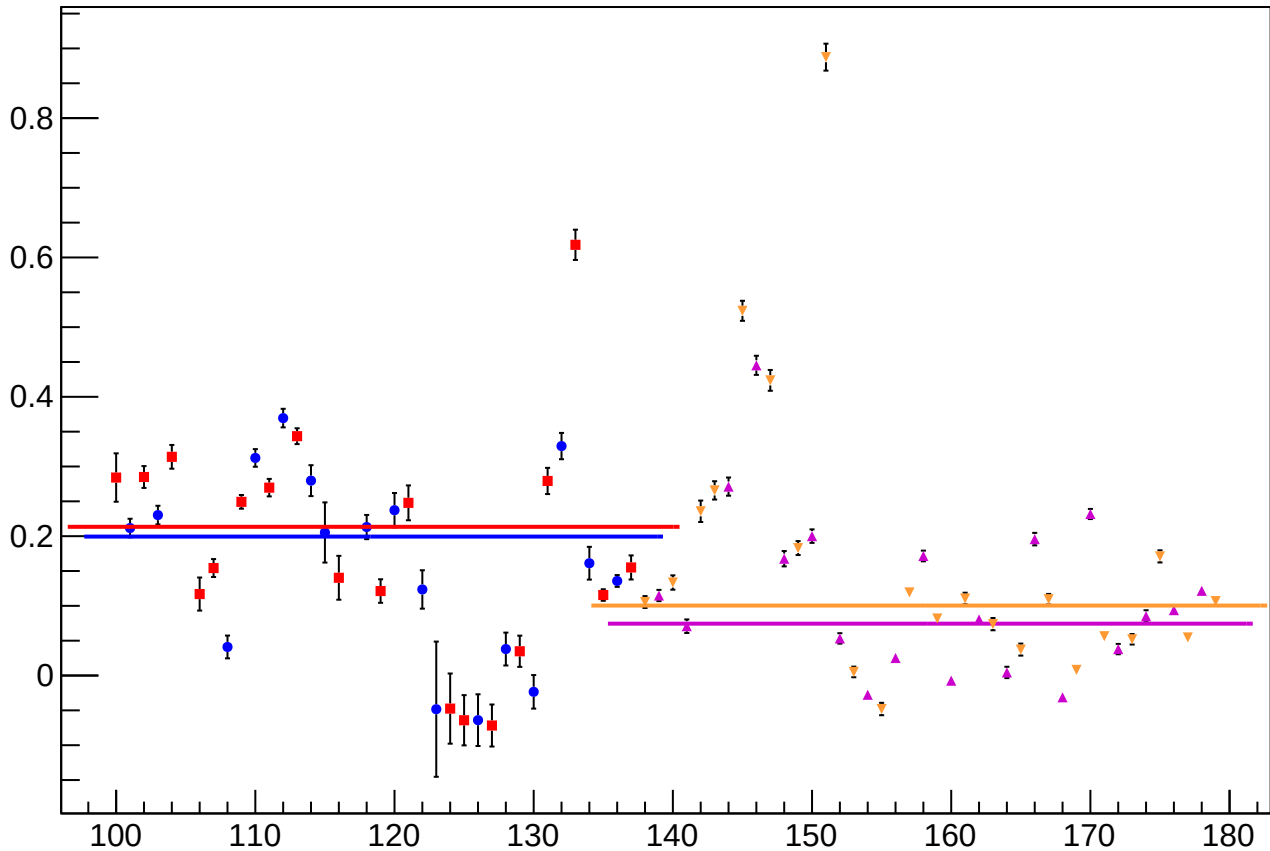
Left In: -1.852 ± 0.037 χ^2/NDF : 3966.2/19

+ sign -2.007 ± 0.035 χ^2/NDF : 6669.9/38

All: -1.888 ± 0.024 χ^2/NDF : 12164.9/77

- sign -1.787 ± 0.032 χ^2/NDF : 5473.5/38

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

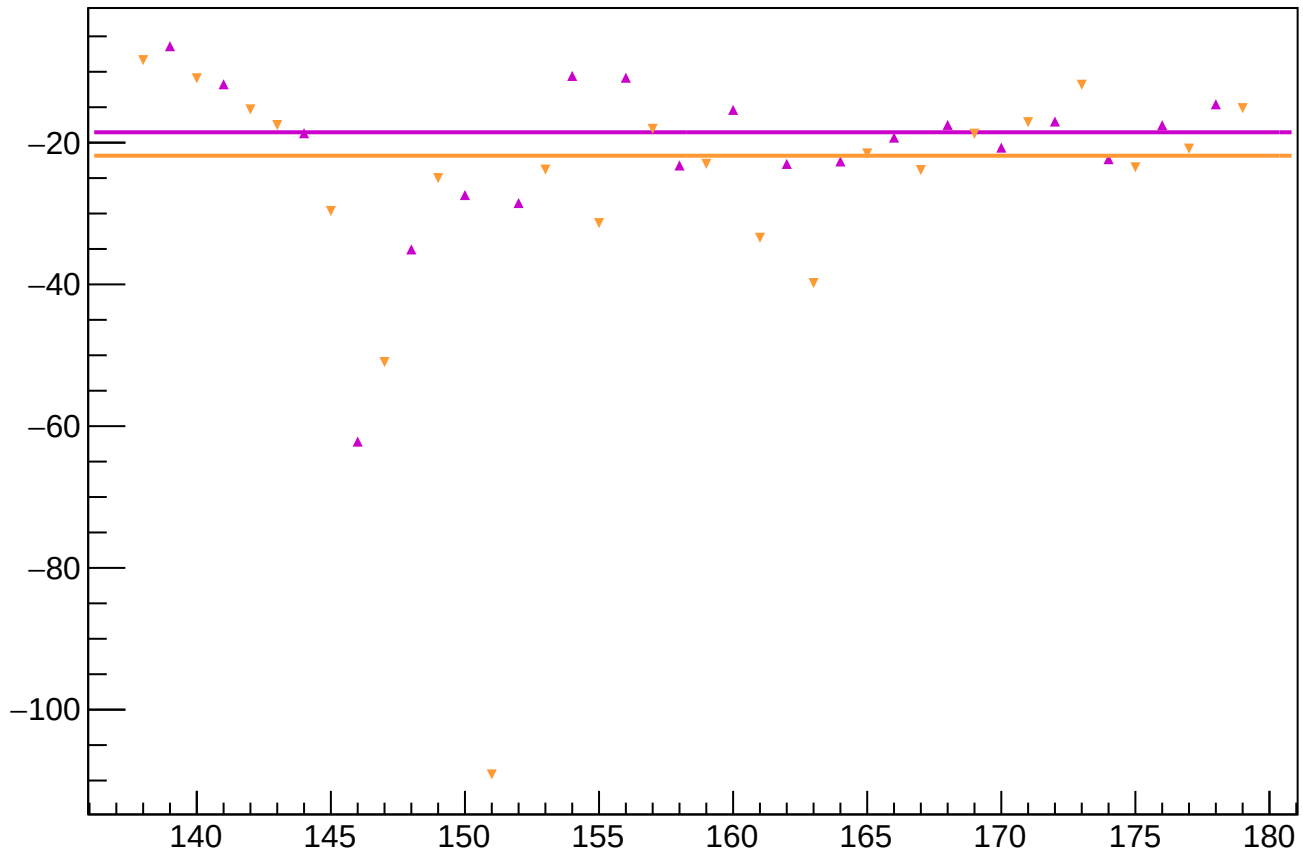
Left In: 0.074 ± 0.002 χ^2/NDF : 3246.7/19

+ sign 0.116 ± 0.002 χ^2/NDF : 5356.8/38

All: 0.106 ± 0.001 χ^2/NDF : 10920.5/77

- sign 0.097 ± 0.001 χ^2/NDF : 5489.6/38

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -21.843+/-0.046 χ^2/NDF : 65105.6/21

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

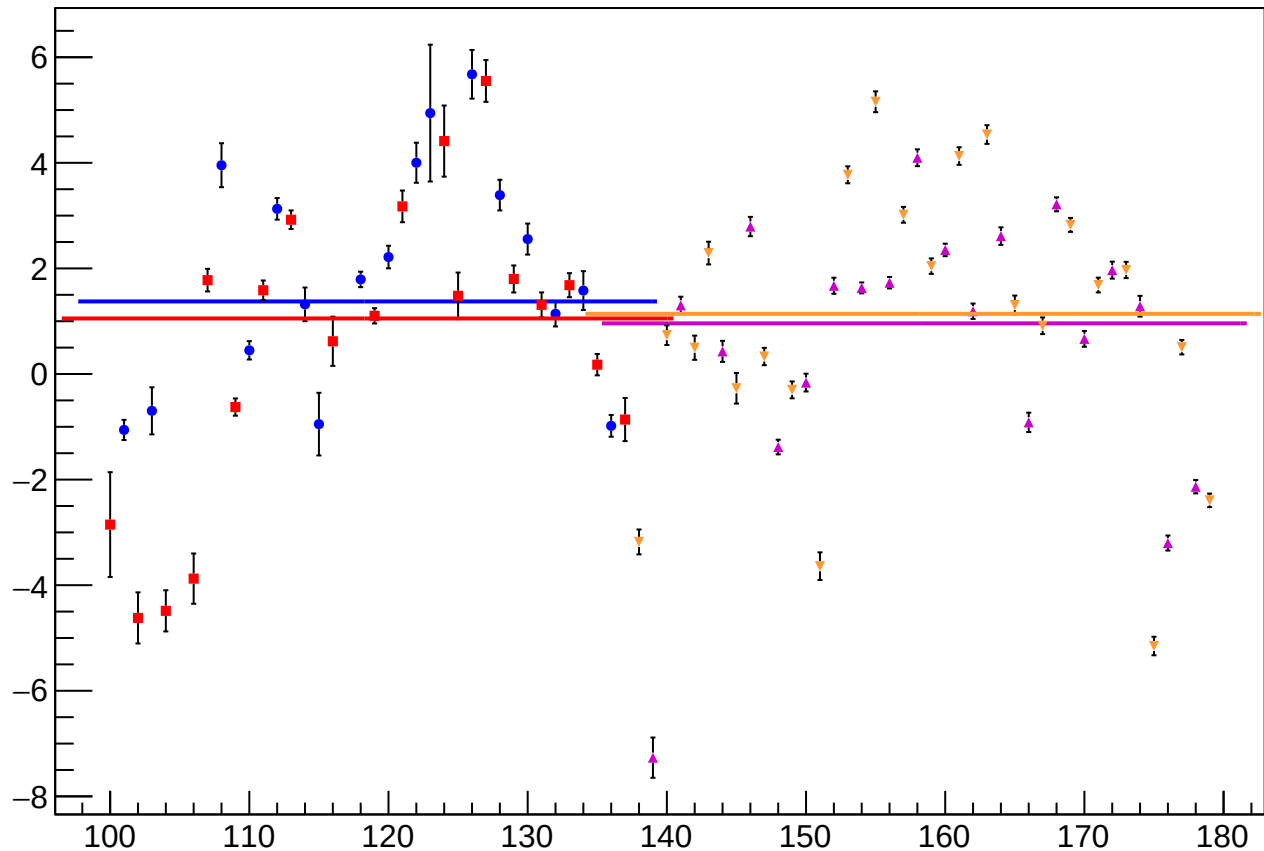
Left In: -18.535+/-0.043 χ^2/NDF : 38475.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.088+/-0.032 χ^2/NDF : 106298.4/41

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 $\pm$ 0.062 χ^2 /NDF: 702.4/16

Left Out: 1.140 $\pm$ 0.036 χ^2 /NDF: 4675.6/21

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 964.0/18

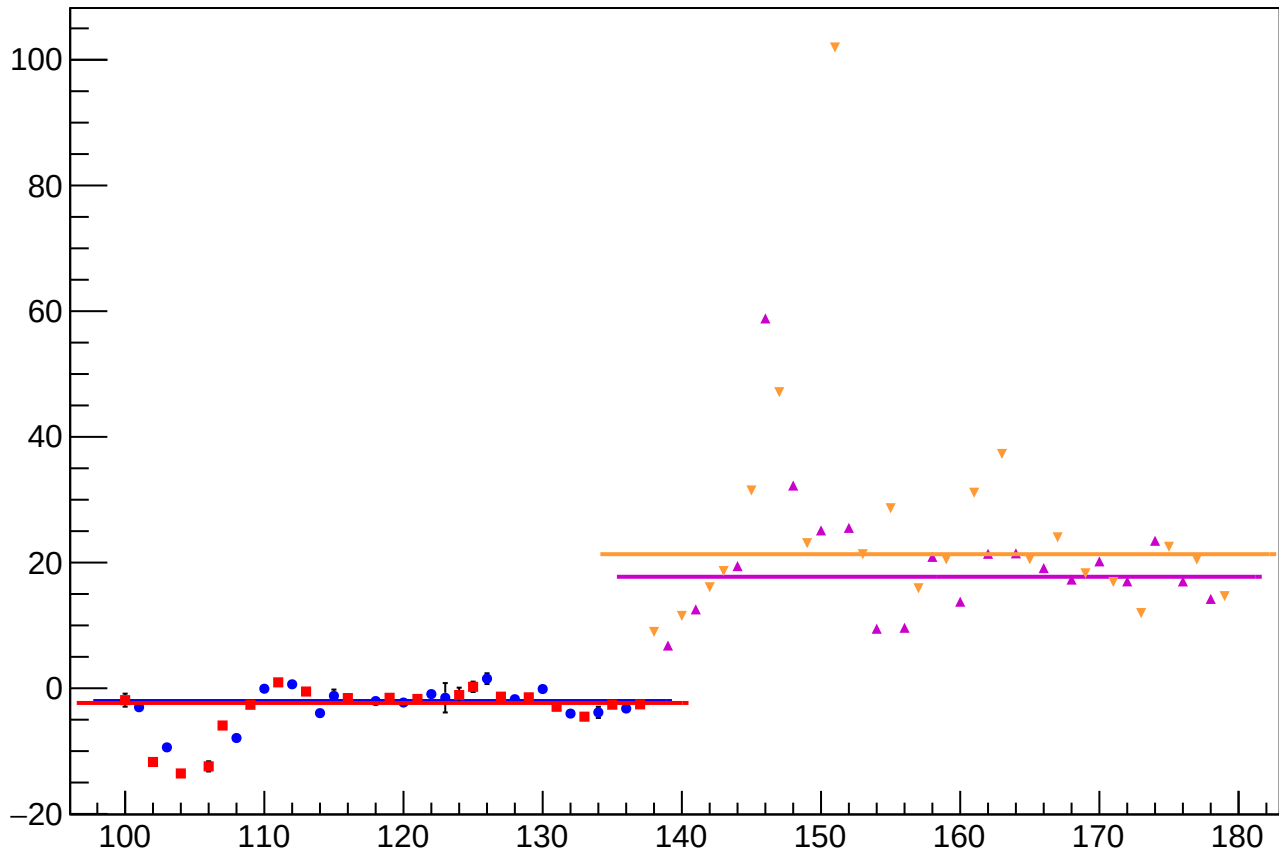
Left In: 0.960 $\pm$ 0.033 χ^2 /NDF: 3528.7/19

+ sign 1.199 $\pm$ 0.031 χ^2 /NDF: 5388.8/38

All: 1.083 $\pm$ 0.021 χ^2 /NDF: 9909.5/77

- sign 0.982 $\pm$ 0.029 χ^2 /NDF: 4494.6/38

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 21.335 ± 0.046 χ^2/NDF : 58356.9/21

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

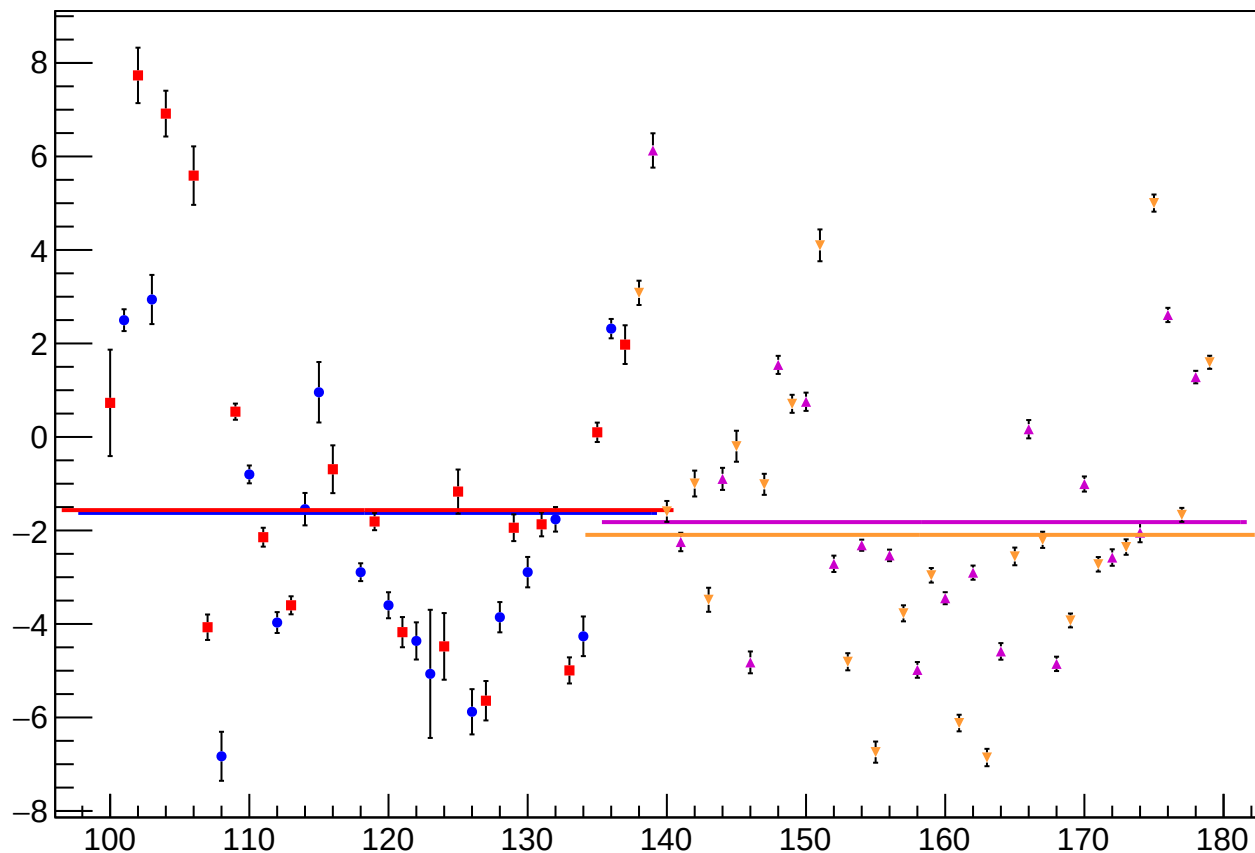
Left In: 17.742 ± 0.043 χ^2/NDF : 36579.8/19

+ sign 17.951 ± 0.042 χ^2/NDF : 96507.6/38

All: 16.143 ± 0.029 χ^2/NDF : 172102.3/77

- sign 14.598 ± 0.039 χ^2/NDF : 72214.4/38

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

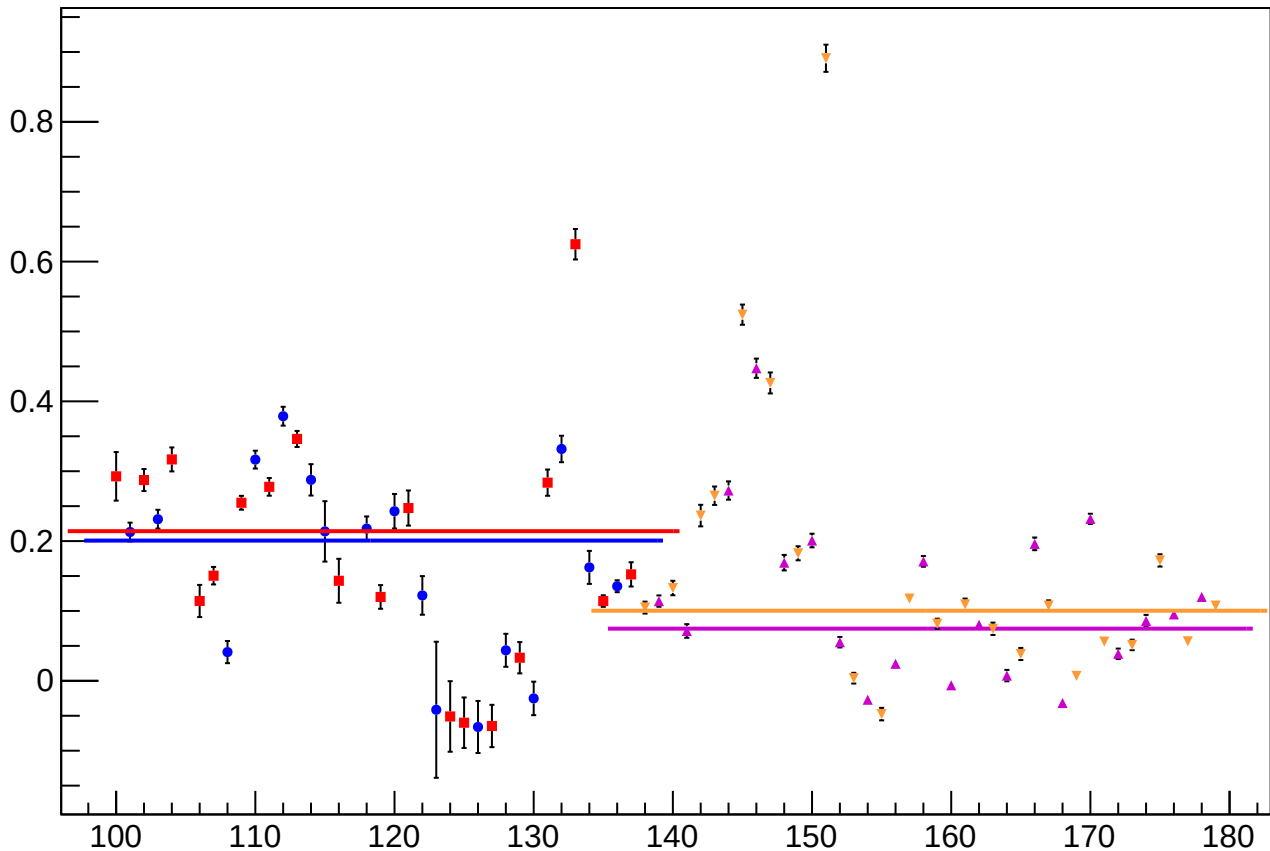
Left In: -1.821 $\pm$ 0.037 χ^2/NDF : 3933.0/19

+ sign -1.981 $\pm$ 0.035 χ^2/NDF : 6711.3/38

All: -1.862 $\pm$ 0.024 χ^2/NDF : 12183.4/77

- sign -1.759 $\pm$ 0.032 χ^2/NDF : 5450.3/38

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

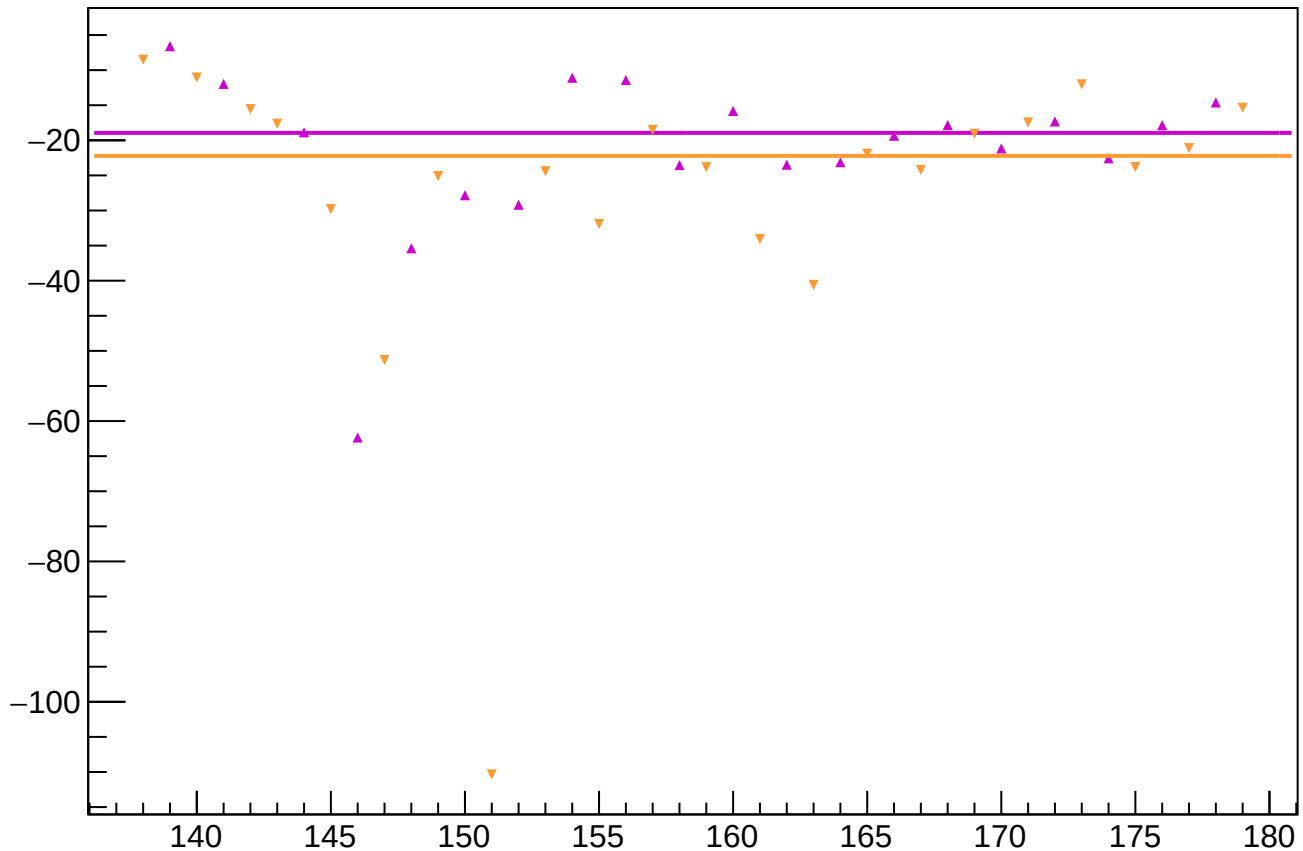
Left In: 0.075 ± 0.002 χ^2/NDF : 3221.6/19

+ sign 0.116 ± 0.002 χ^2/NDF : 5379.9/38

All: 0.106 ± 0.001 χ^2/NDF : 10951.3/77

- sign 0.097 ± 0.001 χ^2/NDF : 5499.9/38

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

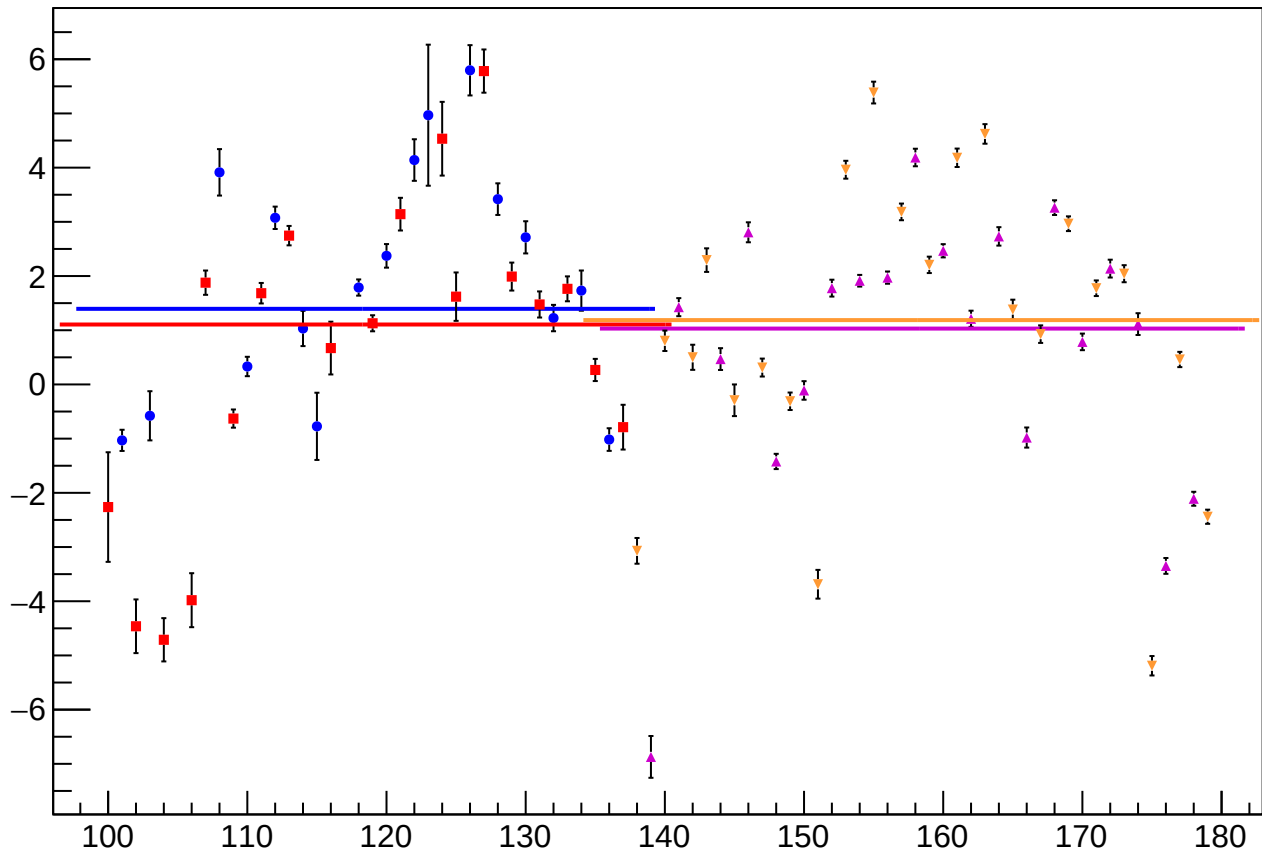
Left In: -18.938+/-0.044 χ^2/NDF : 37486.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.482+/-0.032 χ^2/NDF : 105038.4/41

- 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 $\pm$ 0.063 χ^2/NDF : 701.4/16

Left Out: 1.187 $\pm$ 0.037 χ^2/NDF : 4729.4/21

Right Out: 1.106 $\pm$ 0.059 χ^2/NDF : 937.0/18

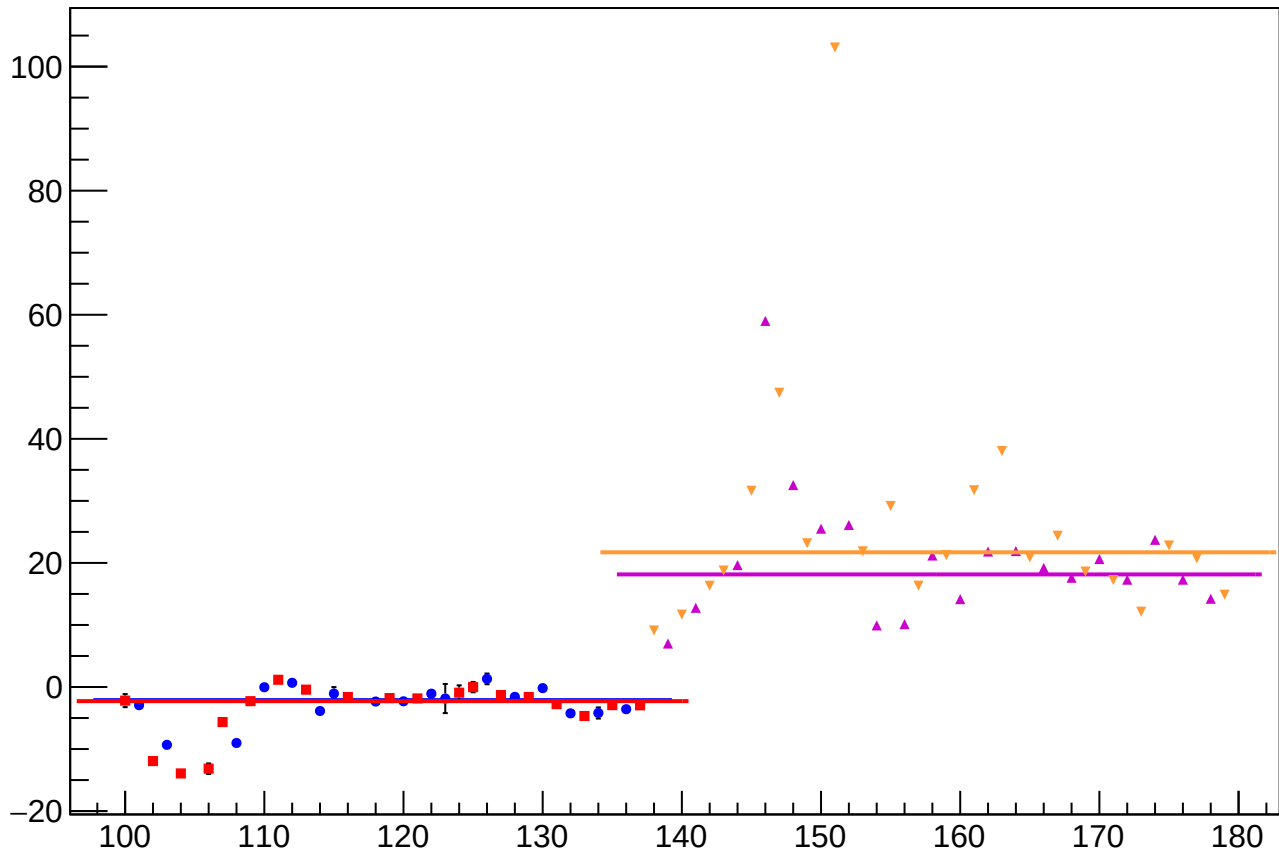
Left In: 1.031 $\pm$ 0.034 χ^2/NDF : 3585.3/19

+ sign 1.239 $\pm$ 0.032 χ^2/NDF : 5438.9/38

All: 1.138 $\pm$ 0.022 χ^2/NDF : 9981.8/77

- sign 1.049 $\pm$ 0.029 χ^2/NDF : 4523.5/38

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

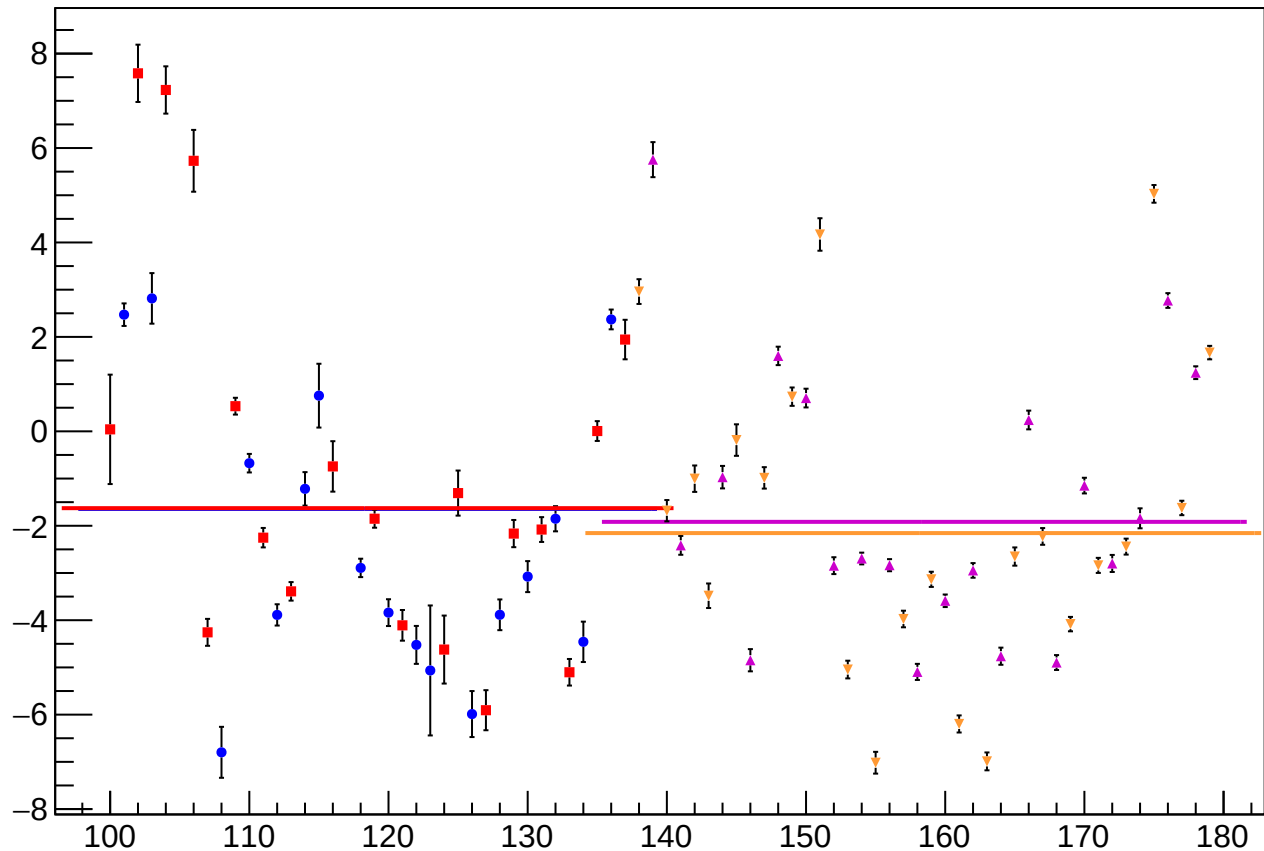
Left In: 18.148 ± 0.044 χ^2/NDF : 35429.3/19

+ sign 18.248 ± 0.043 χ^2/NDF : 96438.2/38

All: 16.469 ± 0.029 χ^2/NDF : 170389.3/77

- sign 14.940 ± 0.040 χ^2/NDF : 70795.2/38

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

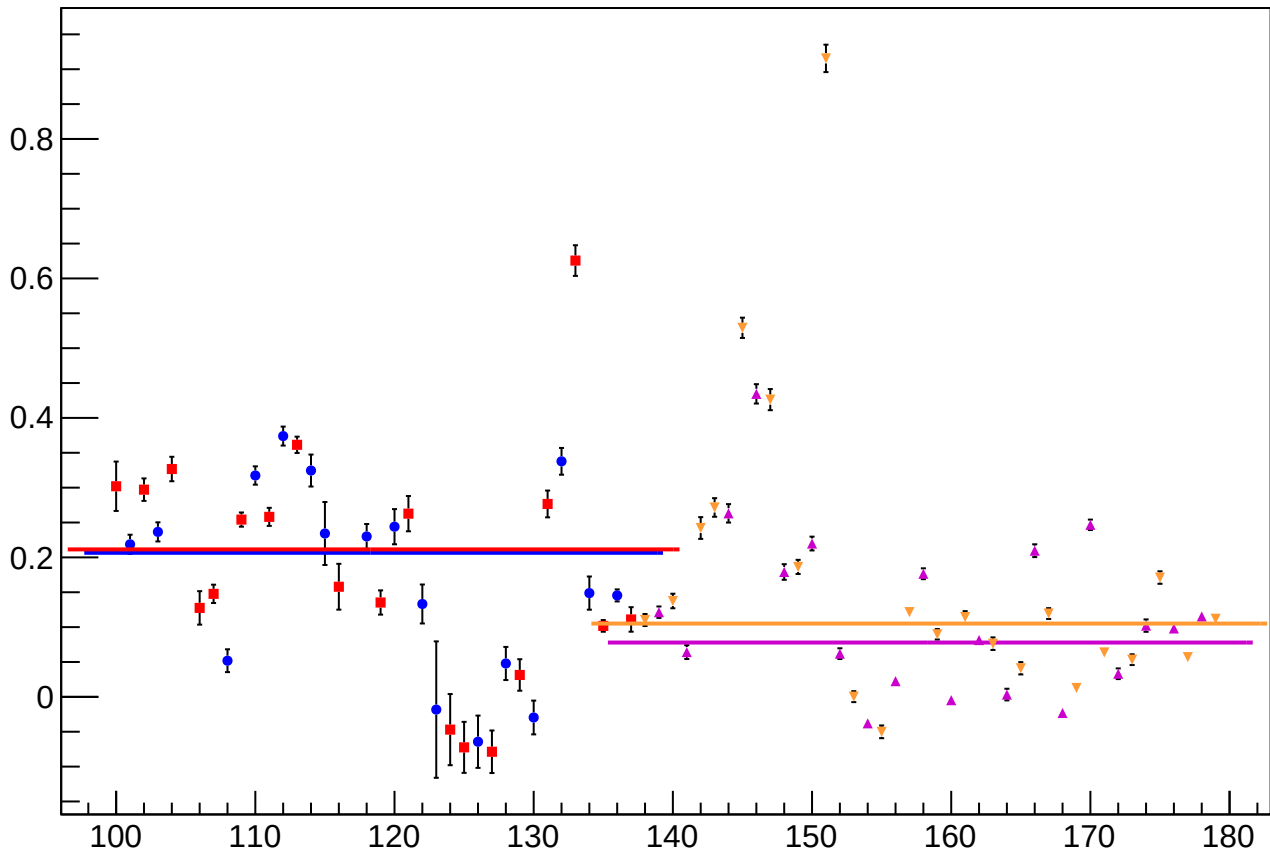
Left In: -1.917 $\pm$ 0.038 χ^2/NDF : 3982.8/19

+ sign -2.031 $\pm$ 0.036 χ^2/NDF : 6762.4/38

All: -1.932 $\pm$ 0.024 χ^2/NDF : 12242.0/77

- sign -1.846 $\pm$ 0.033 χ^2/NDF : 5465.1/38

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.105 ± 0.002 χ^2/NDF : 4220.2/21

Right Out: 0.211 ± 0.004 χ^2/NDF : 1145.6/18

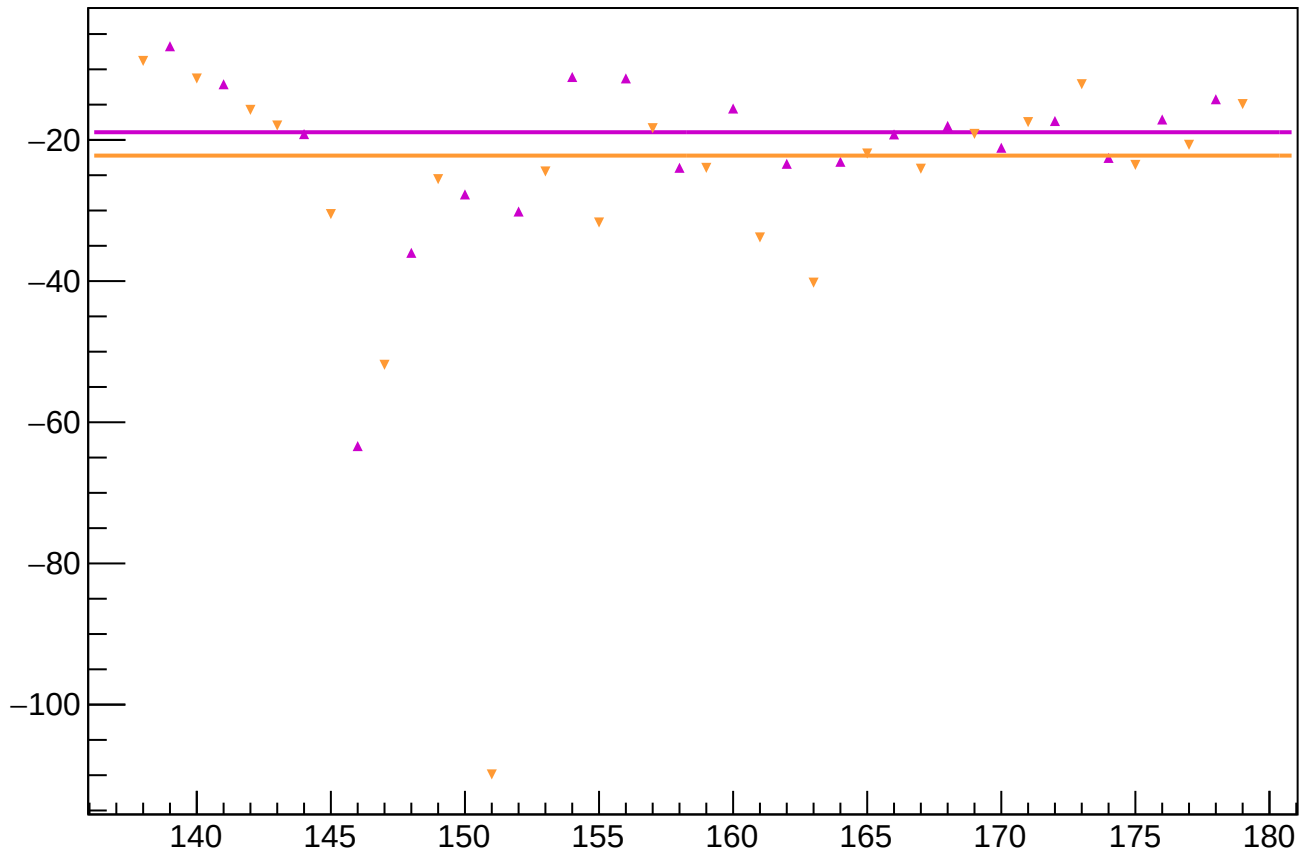
Left In: 0.078 ± 0.002 χ^2/NDF : 3302.9/19

+ sign 0.121 ± 0.002 χ^2/NDF : 5361.9/38

All: 0.109 ± 0.001 χ^2/NDF : 10952.4/77

- sign 0.100 ± 0.002 χ^2/NDF : 5501.5/38

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

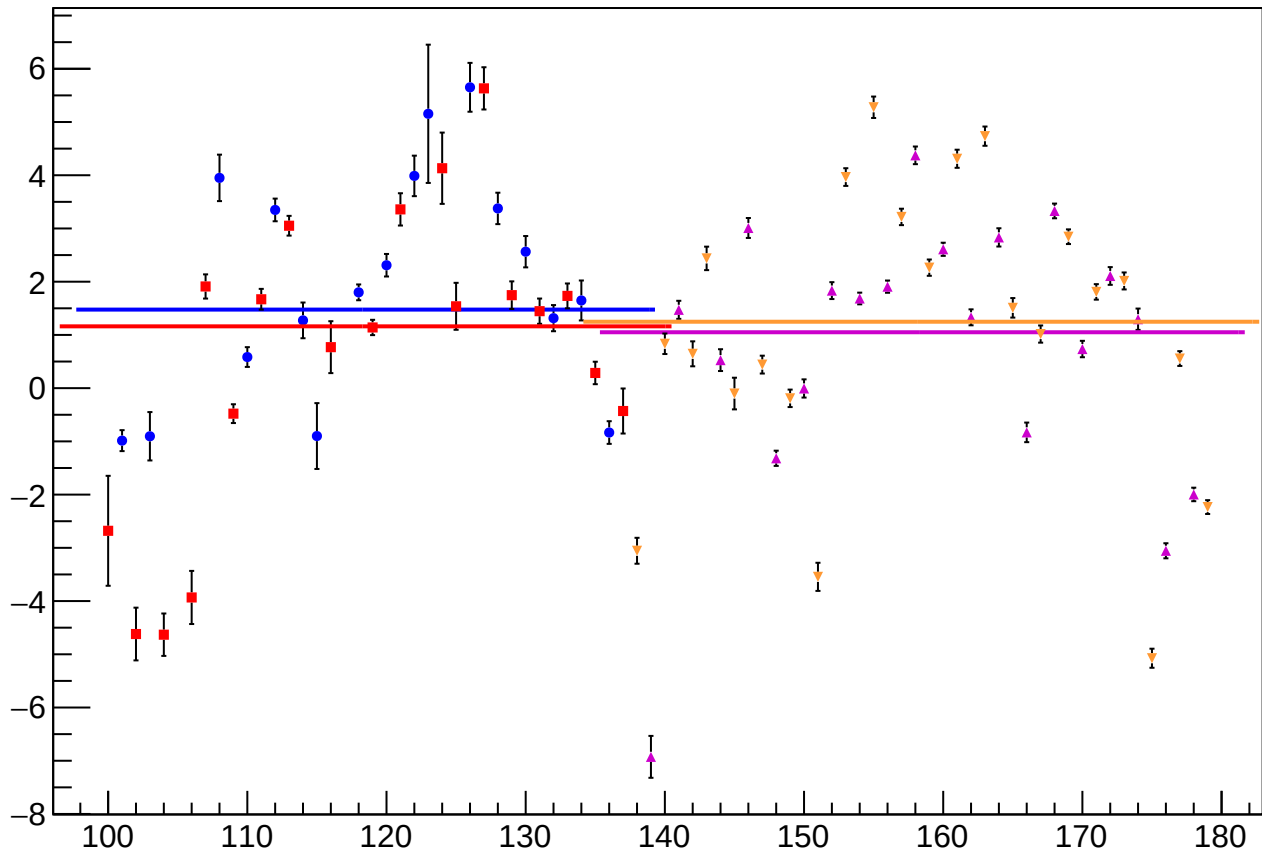
Left In: -18.909 +/- 0.045 χ^2/NDF : 38124.9/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -20.469 +/- 0.033 χ^2/NDF : 104934.4/41

- 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 $\pm$ 0.064 χ^2/NDF : 659.7/16

Left Out: 1.248 $\pm$ 0.037 χ^2/NDF : 4540.2/21

Right Out: 1.161 $\pm$ 0.060 χ^2/NDF : 917.9/18

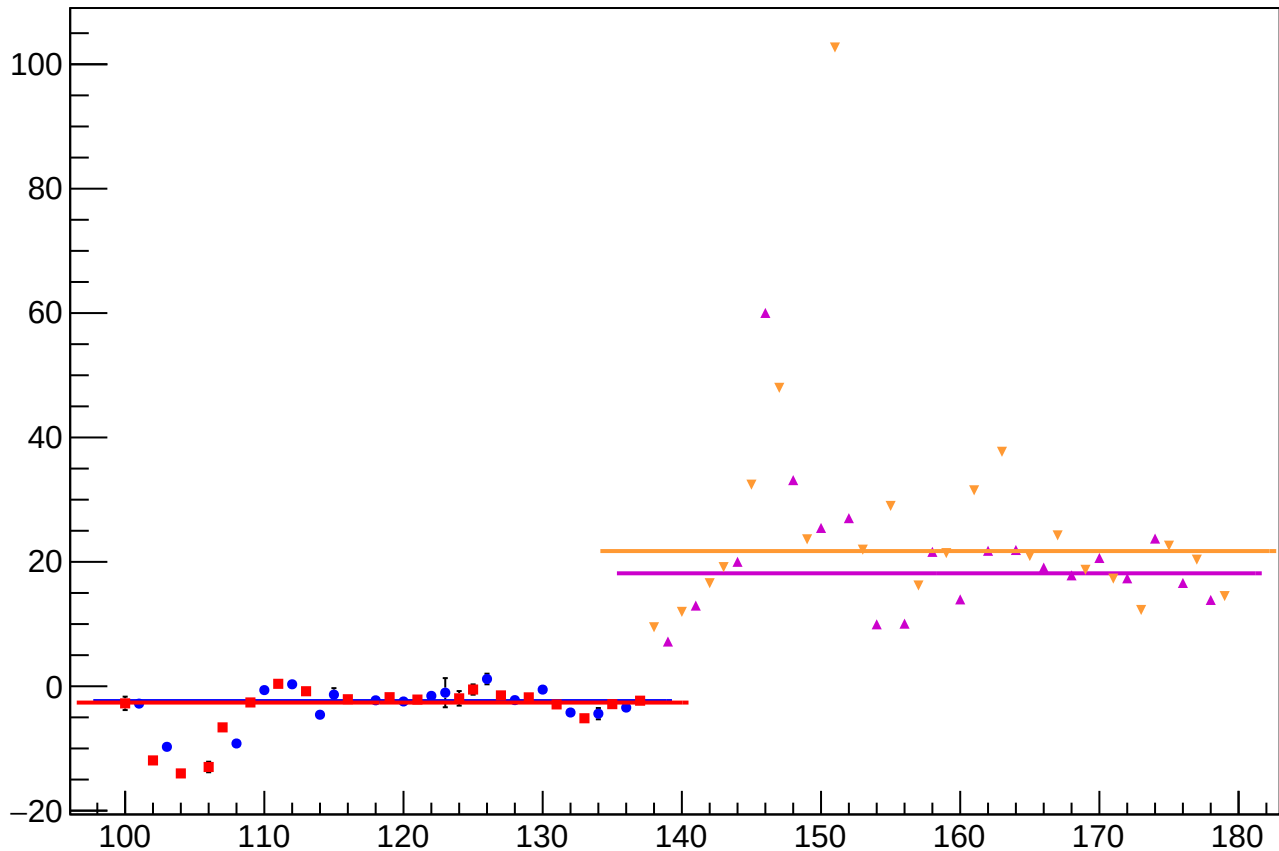
Left In: 1.050 $\pm$ 0.034 χ^2/NDF : 3469.2/19

+ sign 1.305 $\pm$ 0.032 χ^2/NDF : 5209.5/38

All: 1.184 $\pm$ 0.022 χ^2/NDF : 9626.5/77

- sign 1.078 $\pm$ 0.030 χ^2/NDF : 4389.7/38

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

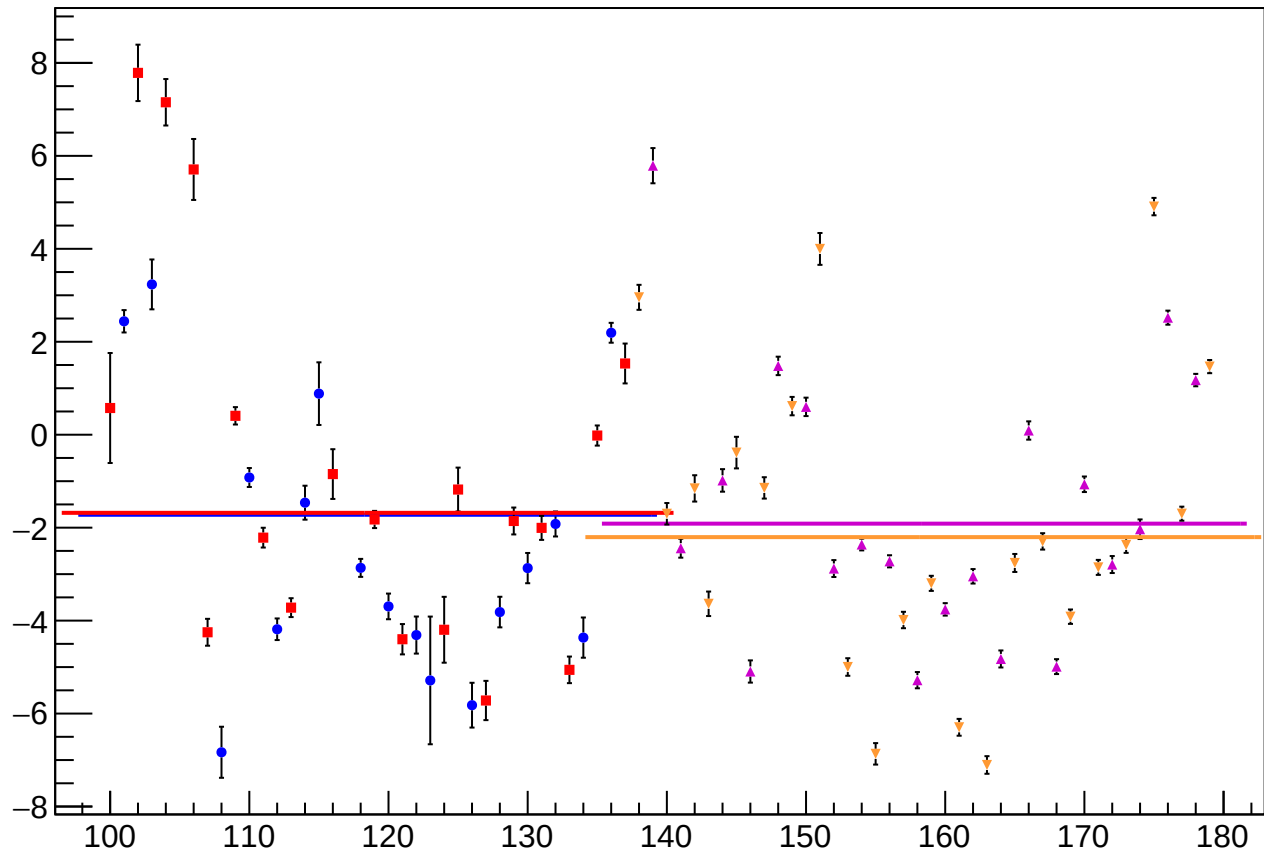
Left In: 18.161 ± 0.044 χ^2/NDF : 36042.3/19

+ sign 18.290 ± 0.043 χ^2/NDF : 95720.8/38

All: 16.513 ± 0.030 χ^2/NDF : 170025.8/77

- sign 14.978 ± 0.040 χ^2/NDF : 71193.4/38

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

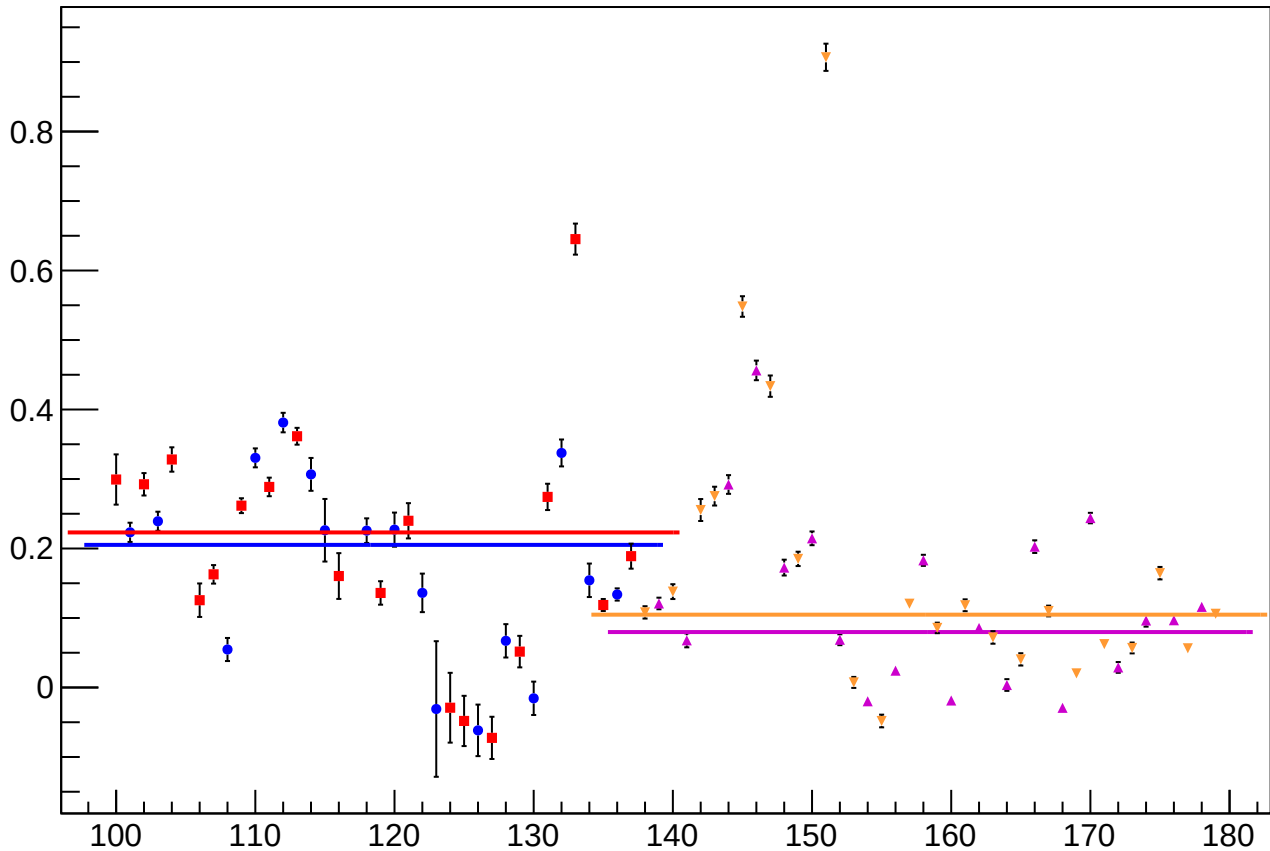
Left In: -1.914 ± 0.038 χ^2/NDF : 3921.1/19

+ sign -2.088 ± 0.036 χ^2/NDF : 6494.2/38

All: -1.964 ± 0.024 χ^2/NDF : 11877.3/77

- sign -1.857 ± 0.033 χ^2/NDF : 5361.0/38

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

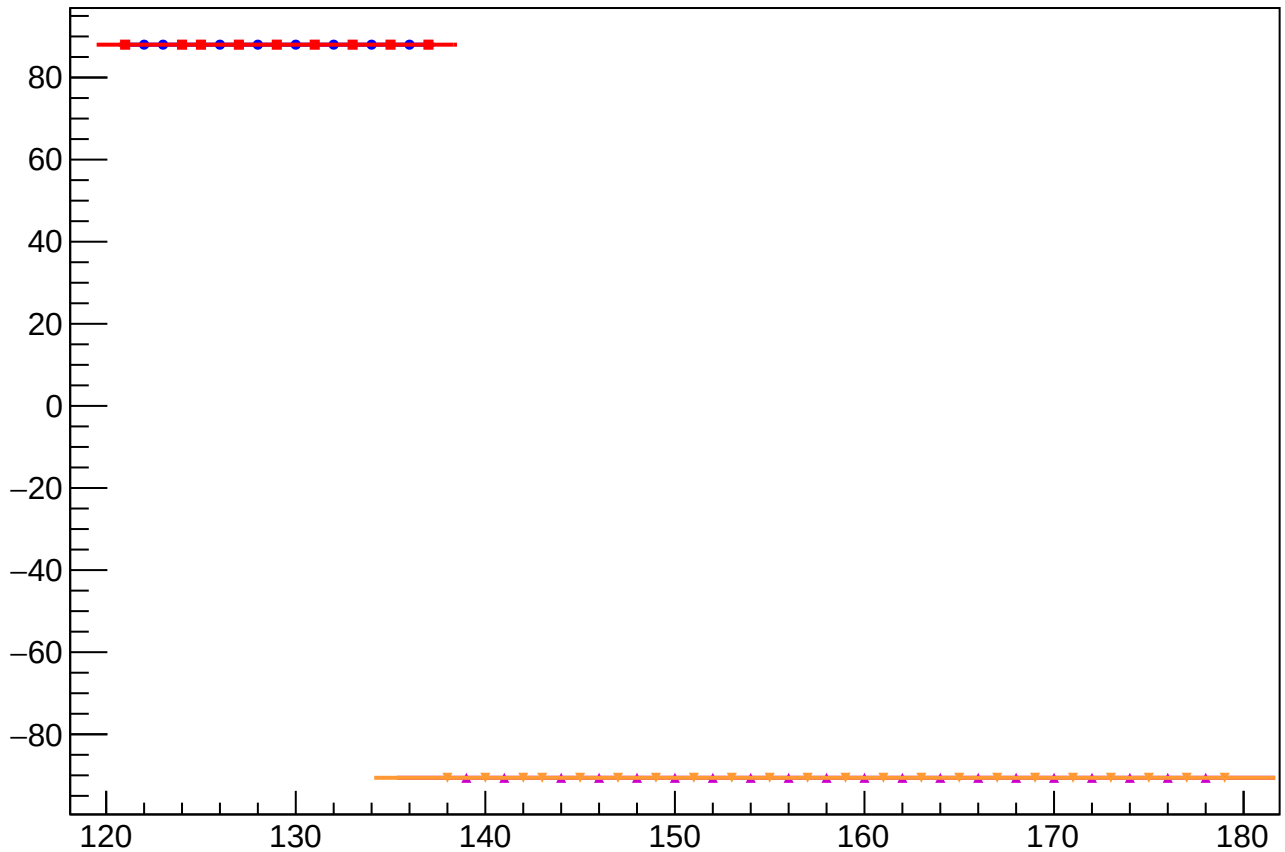
Left In: 0.080 ± 0.002 χ^2/NDF : 3269.2/19

+ sign 0.121 ± 0.002 χ^2/NDF : 5306.1/38

All: 0.111 ± 0.001 χ^2/NDF : 10845.1/77

- sign 0.103 ± 0.002 χ^2/NDF : 5479.1/38

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 5440893.6/21

Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

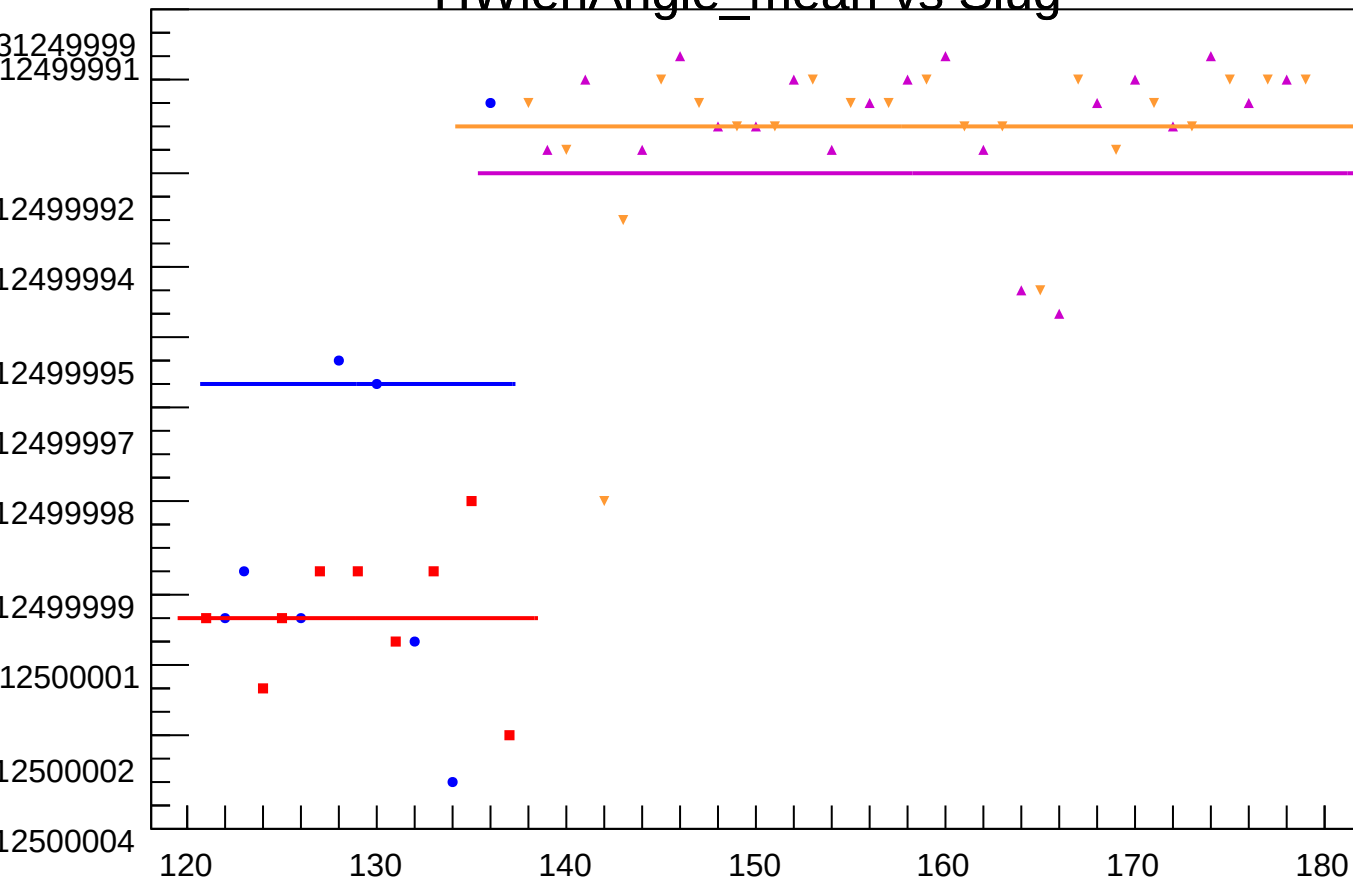
Left In: -90.599+/-0.000 χ^2/NDF : 5394849.3/19

+ sign -60.948+/-0.000 χ^2/NDF : 909797950765047

All: -61.019+/-0.000 χ^2/NDF : 175924722362

- sign -61.095+/-0.000 χ^2/NDF : 8494471348979790

HWienAngle_mean vs Slug



Right In: -29.641 ± 0.000 $\chi^2/\text{NDF}: 405045.4/7$

Left Out: -29.641 ± 0.000 $\chi^2/\text{NDF}: 236885.5/21$

Right Out: -29.641 ± 0.000 $\chi^2/\text{NDF}: 29358.2/8$

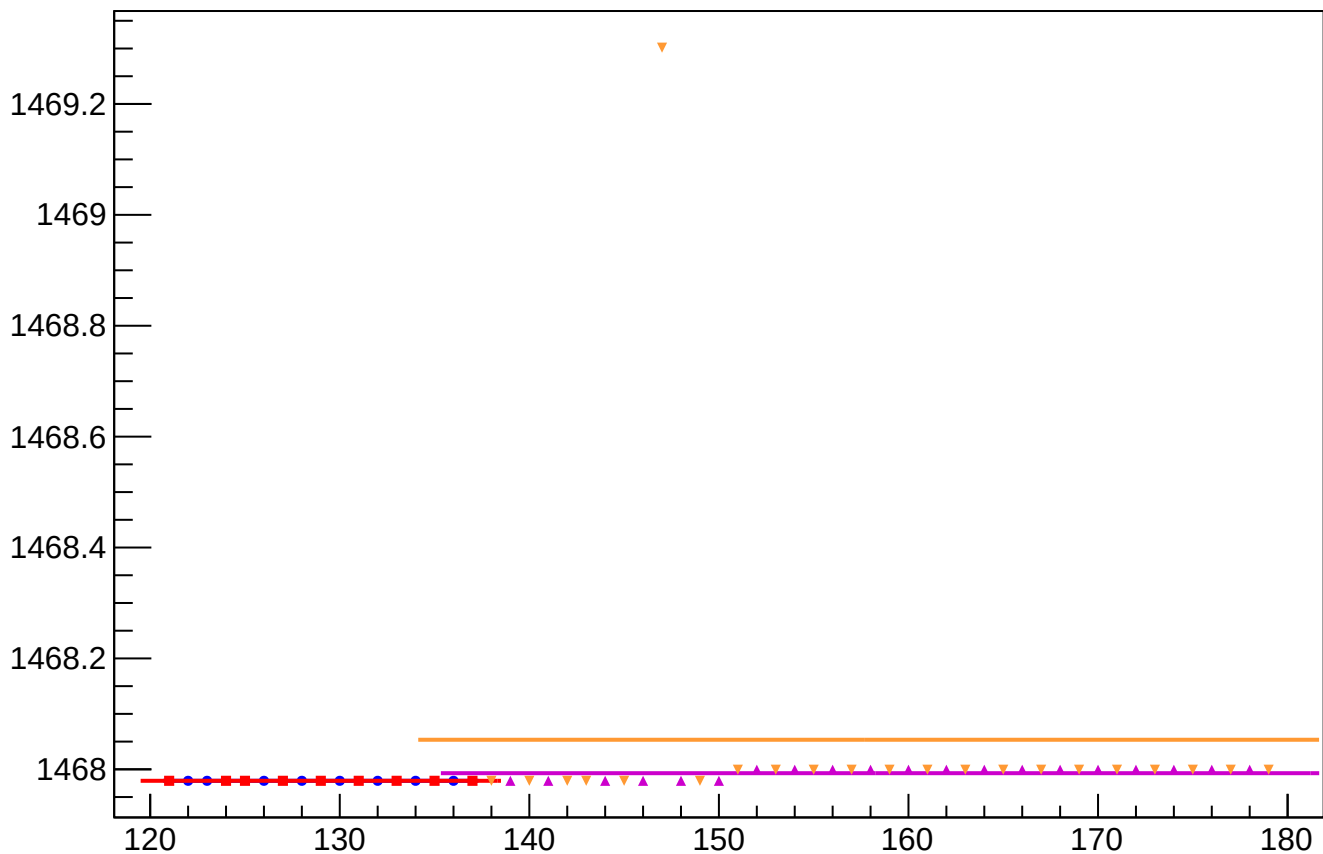
Left In: -29.641 ± 0.000 $\chi^2/\text{NDF}: 253887.0/19$

+ sign -29.641 ± 0.000 $\chi^2/\text{NDF}: 1313914.1/29$

All: -29.641 ± 0.000 $\chi^2/\text{NDF}: 3399144.8/58$

- sign -29.641 ± 0.000 $\chi^2/\text{NDF}: 1561250.4/28$

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

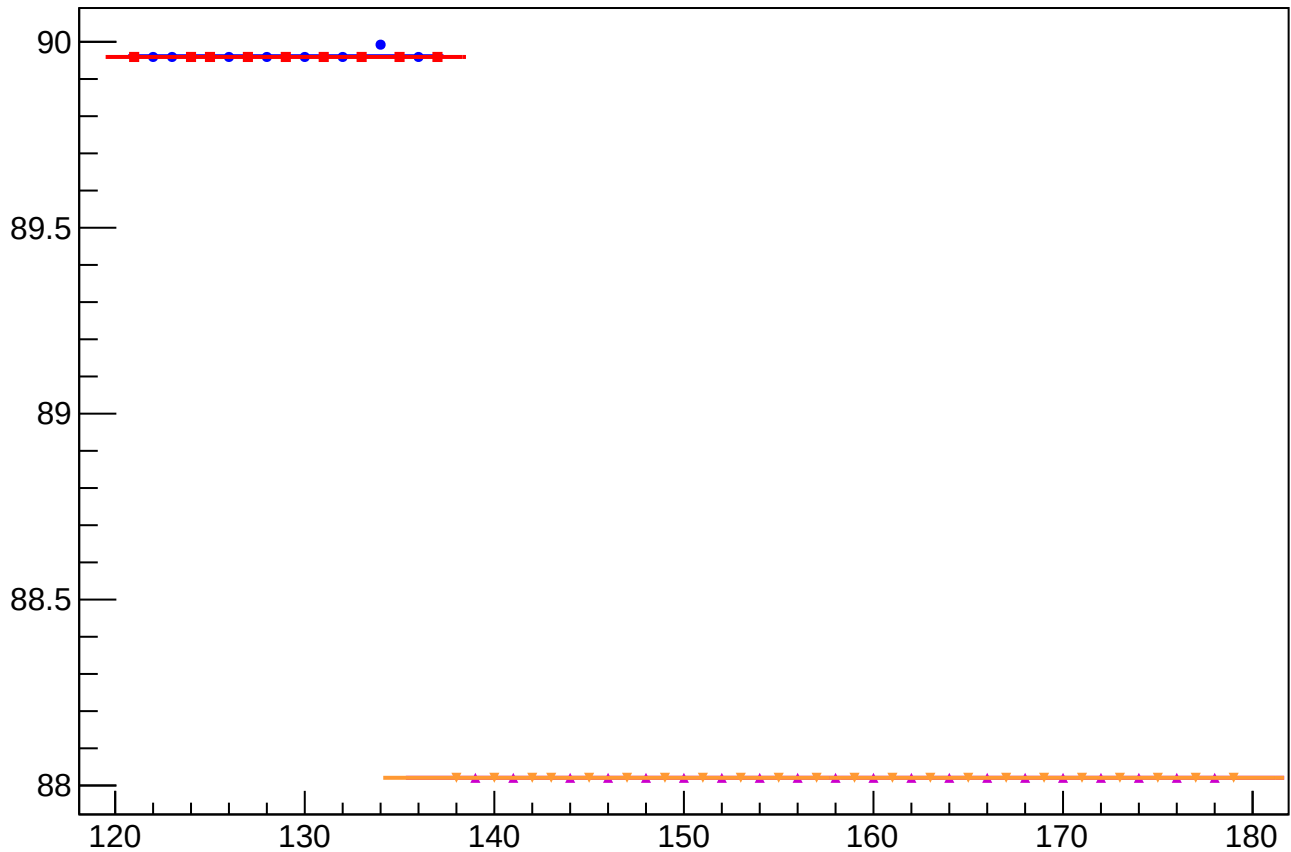
Left In: 1467.993+/-0.000 χ^2/NDF : 138867493763648912938070179840.0/19

+ sign 1468.041+/-0.000 χ^2/NDF : 12899406767783

All: 1468.017+/-0.000 χ^2/NDF : 13170275794

- sign 1467.991+/-0.000 χ^2/NDF : 18901087513417

Phi_FG_mean vs Slug



Right In: 89.961 $\pm$ 0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021 $\pm$ 0.000 χ^2/NDF : 4980047.3/21

Right Out: 89.959 $\pm$ 0.000 χ^2/NDF : 331397.3/8

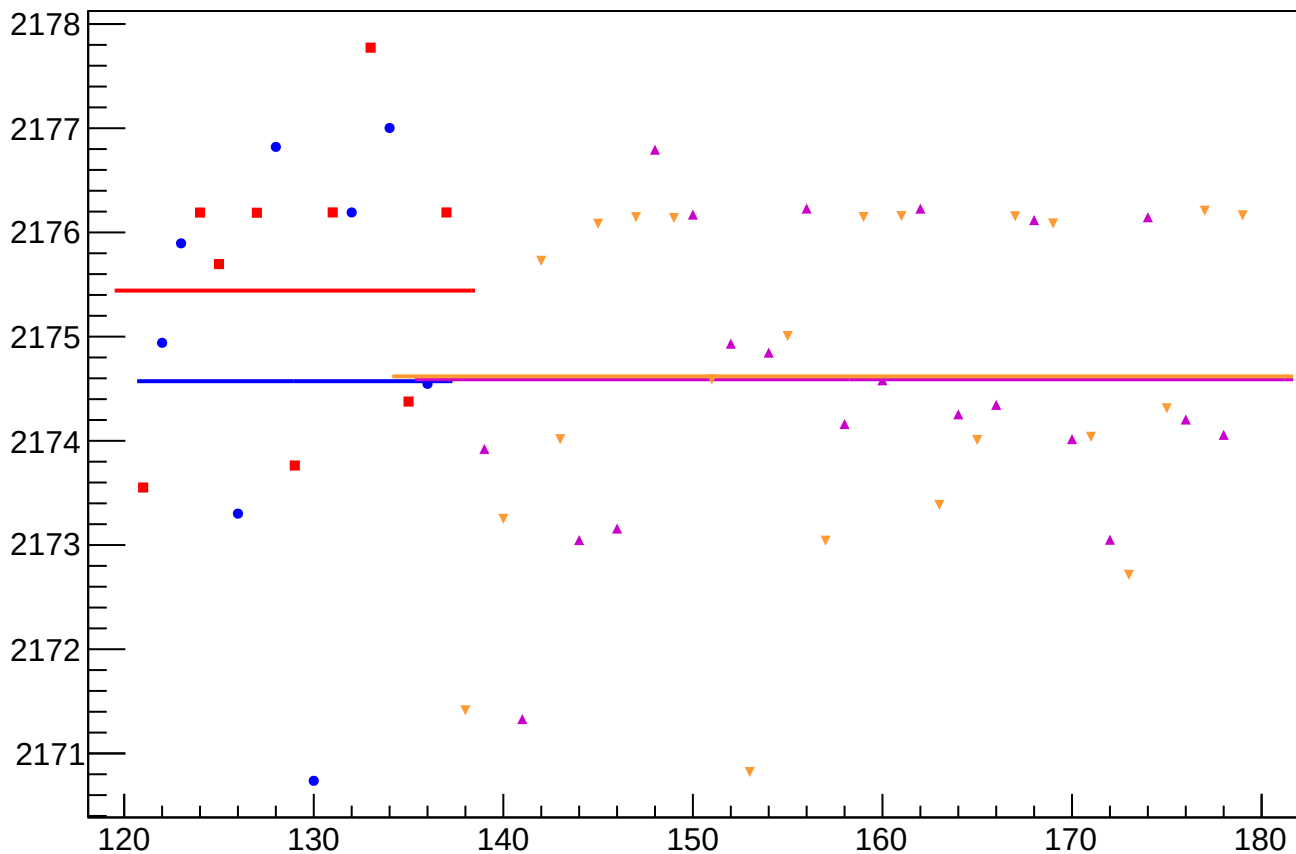
Left In: 88.021 $\pm$ 0.000 χ^2/NDF : 4990750.6/19

+ sign 88.343 $\pm$ 0.000 χ^2/NDF : 1074170282436332

All: 88.342 $\pm$ 0.000 χ^2/NDF : 2074973444150

- sign 88.341 $\pm$ 0.000 χ^2/NDF : 1000799462030632

HALLA_p_mean vs Slug



Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.619 $\pm$ 0.000 χ^2 /NDF: 4645064836136046244522601249505280.0/21

Right Out: 2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

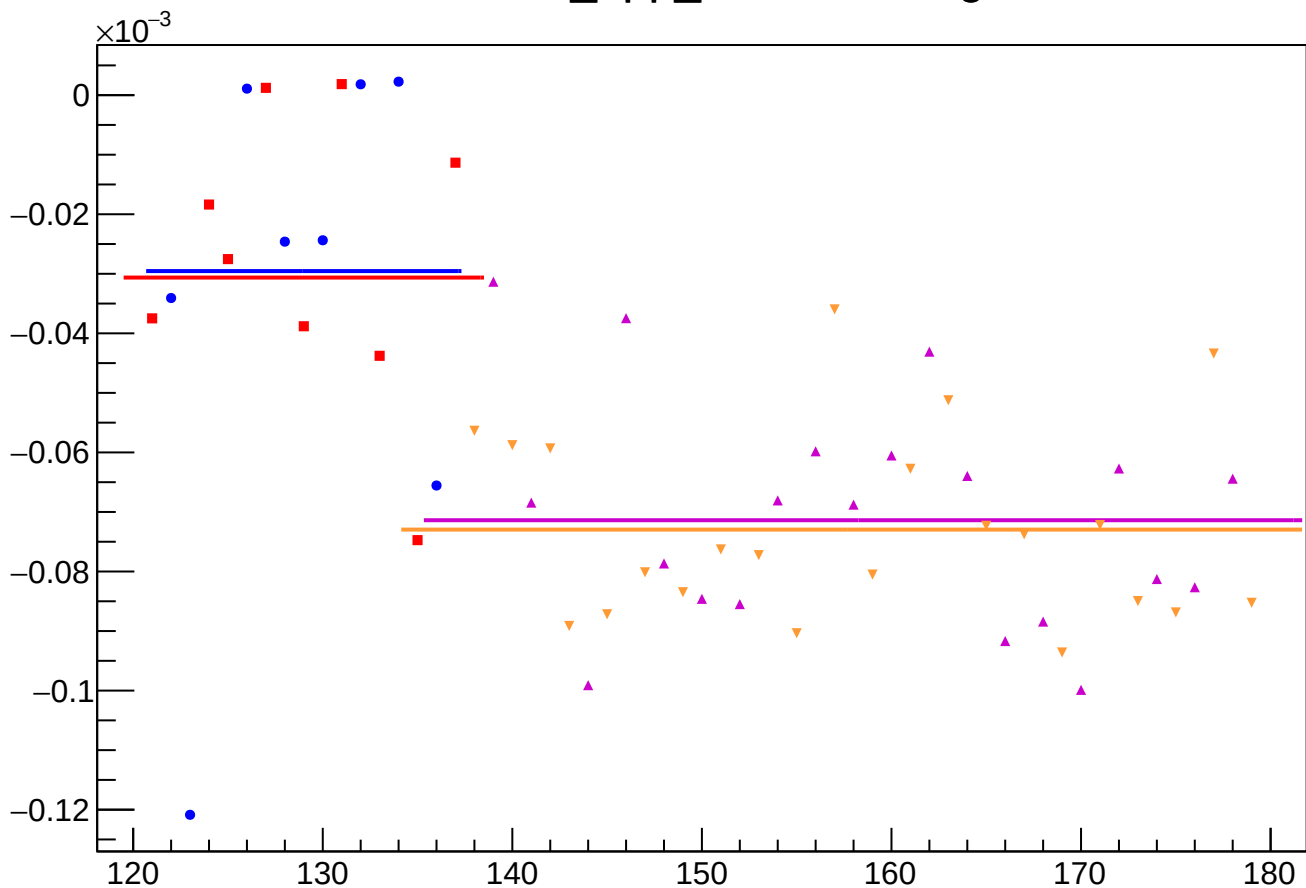
Left In: 2174.591 $\pm$ 0.000 χ^2 /NDF: 3055113595190365637949143727996928.0/19

+ sign 2174.611 $\pm$ 0.000 χ^2 /NDF: 60059382847733

All: 2174.669 $\pm$ 0.000 χ^2 /NDF: 98792029825

- sign 2174.731 $\pm$ 0.000 χ^2 /NDF: 38588248221135

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

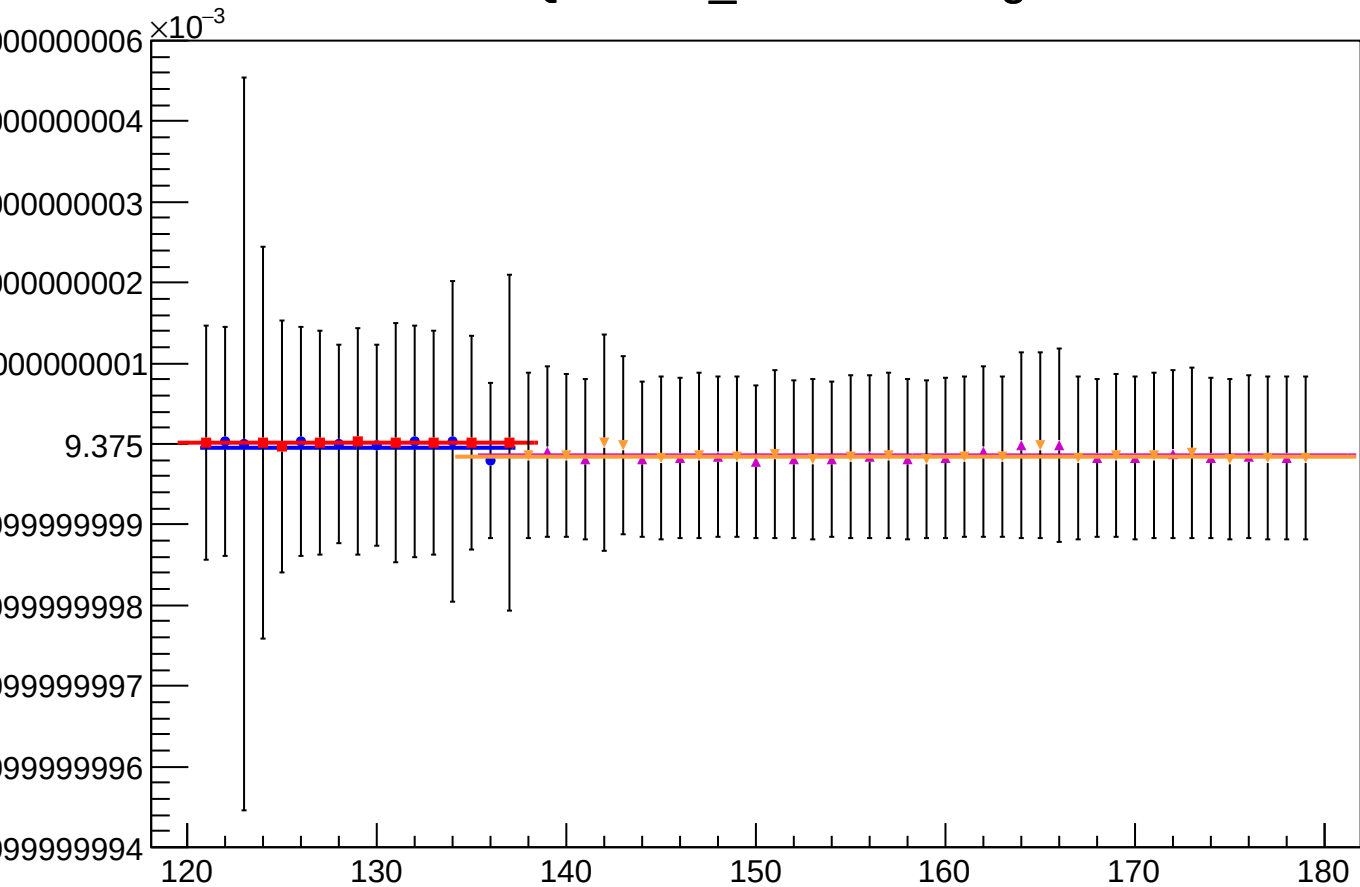
Left In: -0.000+/-0.000 χ^2/NDF : 548270363729567045124096.0/19

+ sign -0.000+/-0.000 χ^2/NDF : 1214998411809600

All: -0.000+/-0.000 χ^2/NDF : 2403497774621

- sign -0.000+/-0.000 χ^2/NDF : 11872953986394152

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

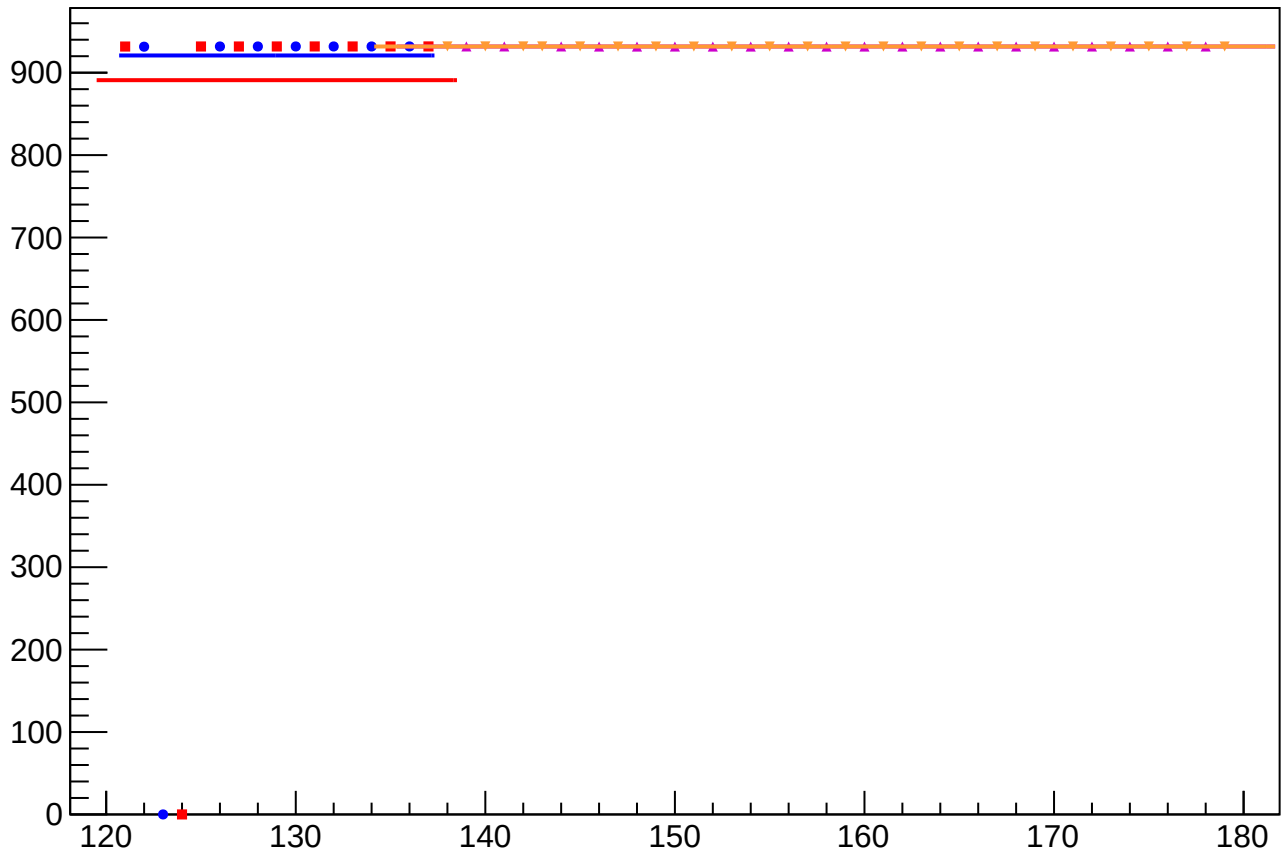
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/19

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/29

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/58

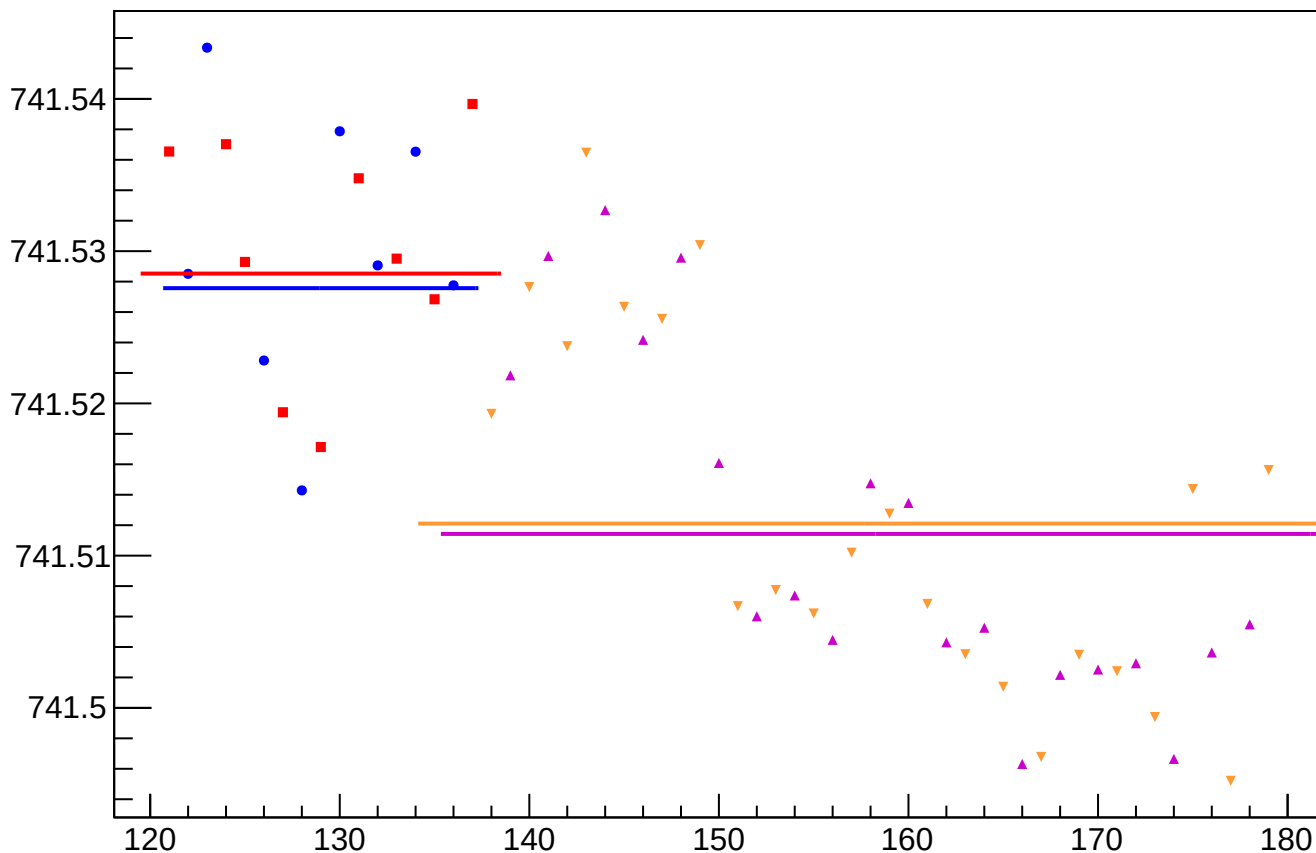
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

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: 3538163261954771301610444292096.0/19
 All: 927.583 $\pm$ 0.000 χ^2 /NDF: 155564910336
 + sign 929.977 $\pm$ 0.000 χ^2 /NDF: 346593472623313
 - sign 925.028 $\pm$ 0.000 χ^2 /NDF: 120661503524410

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

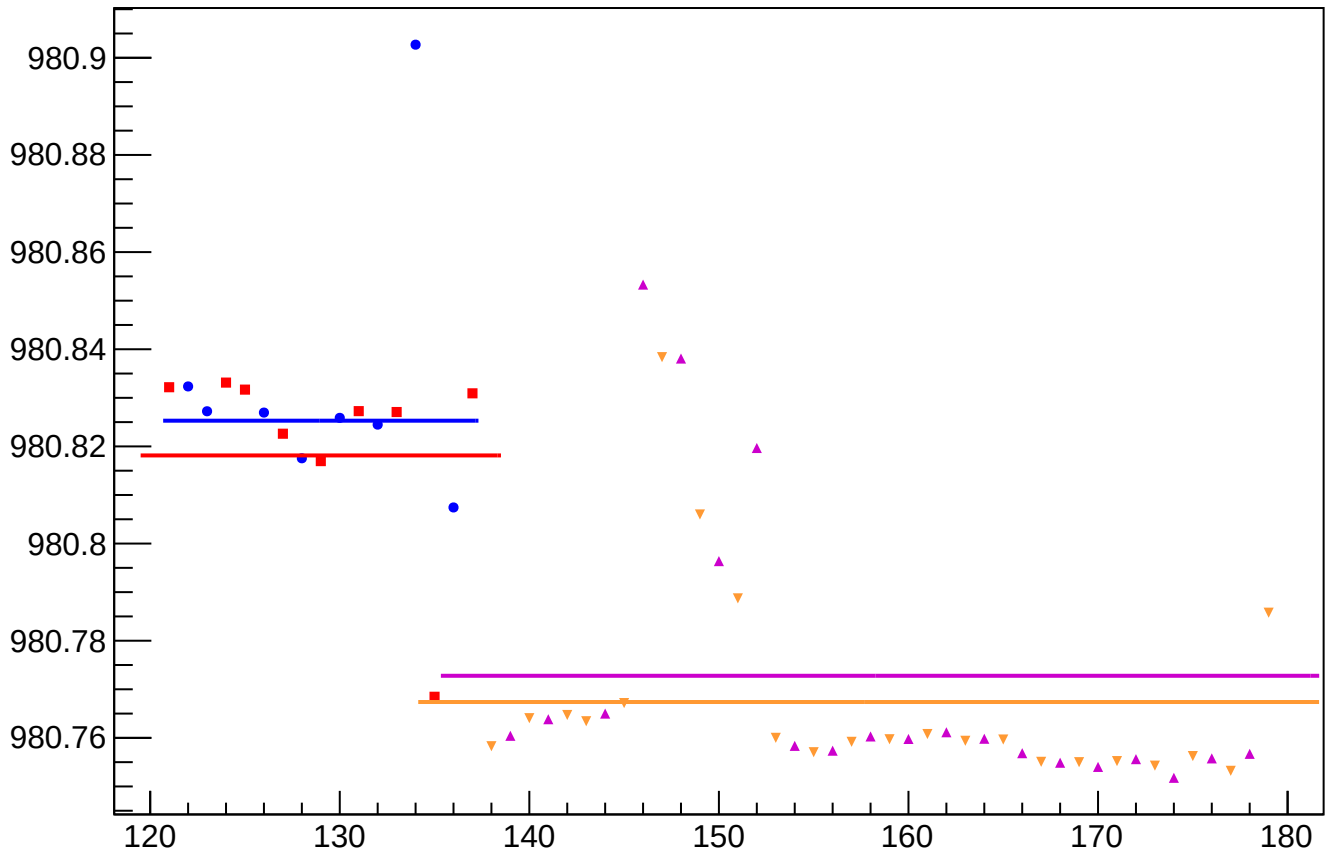
Left In: 741.511 $\pm$ 0.000 χ^2 /NDF: 193434454864830944902085869568.0/19

+ sign 741.515 $\pm$ 0.000 χ^2 /NDF: 307422577008115

All: 741.514 $\pm$ 0.000 χ^2 /NDF: 595479412210

- sign 741.514 $\pm$ 0.000 χ^2 /NDF: 287880180711066

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000

χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.767+/-0.000

χ^2/NDF : 701998739436589451122814484480.0/21

Right Out: 980.818+/-0.000

χ^2/NDF : 143689912167528137563261894656.0/8

Left In: 980.773+/-0.000

χ^2/NDF : 1421358382099494732820952121344.0/19

+ sign 980.777+/-0.000

χ^2/NDF : 181784081482920

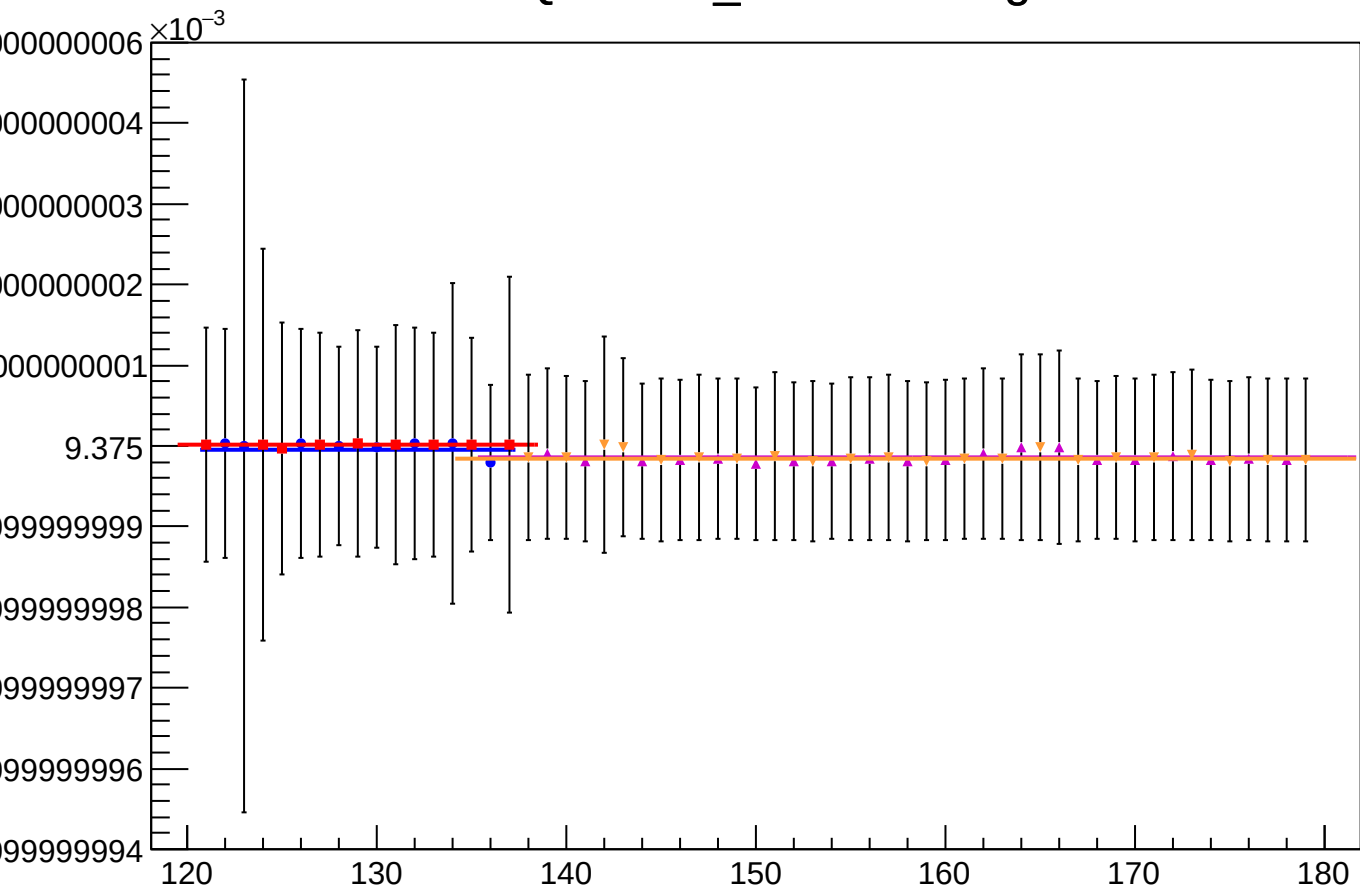
All: 980.779+/-0.000

χ^2/NDF : 394151460198

- sign 980.780+/-0.000

χ^2/NDF : 211296840880912

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

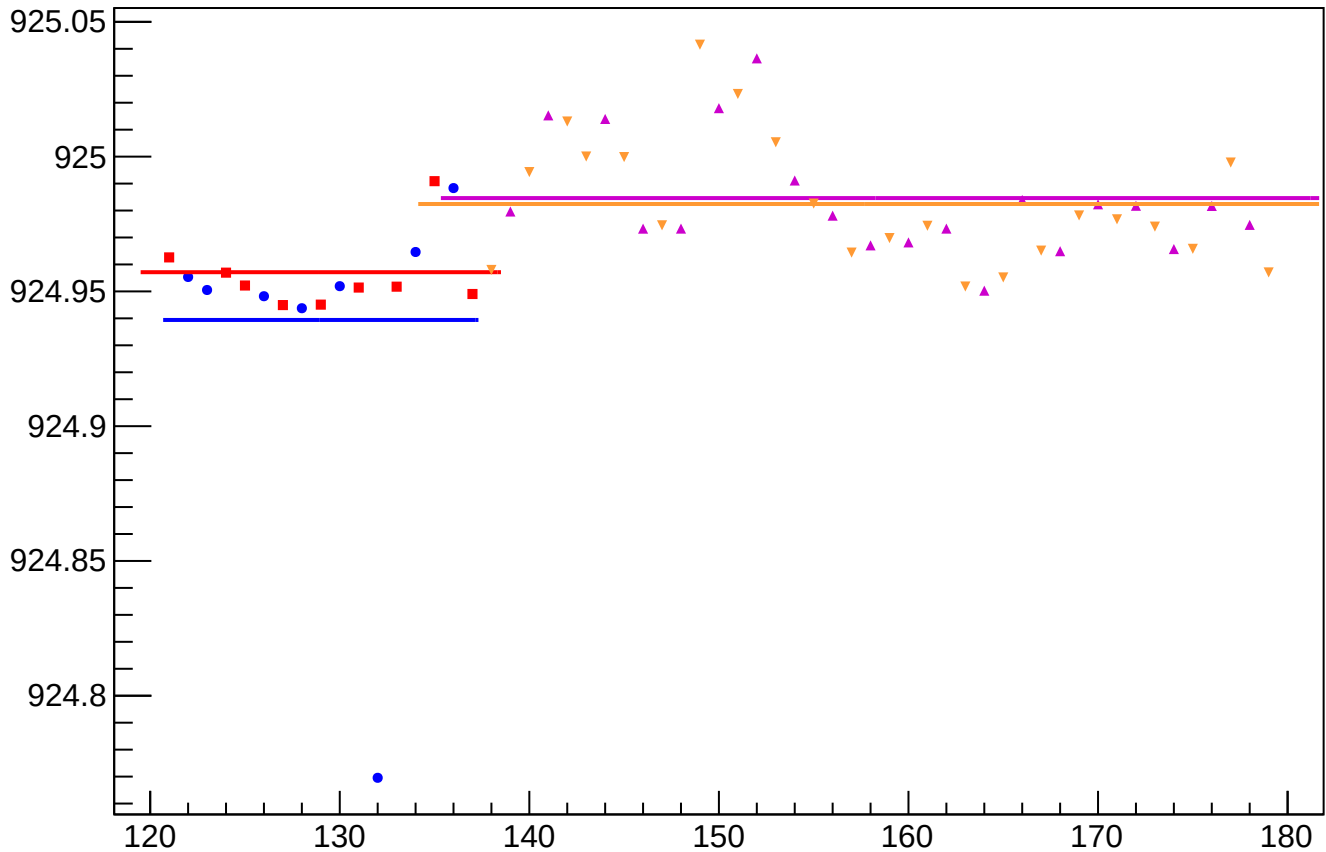
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/19

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/29

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/58

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

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: 924.985 $\pm$ 0.000

χ^2 /NDF: 726310988643277427264110723072.0/19

+ sign 924.975 $\pm$ 0.000

χ^2 /NDF: 284528718037426

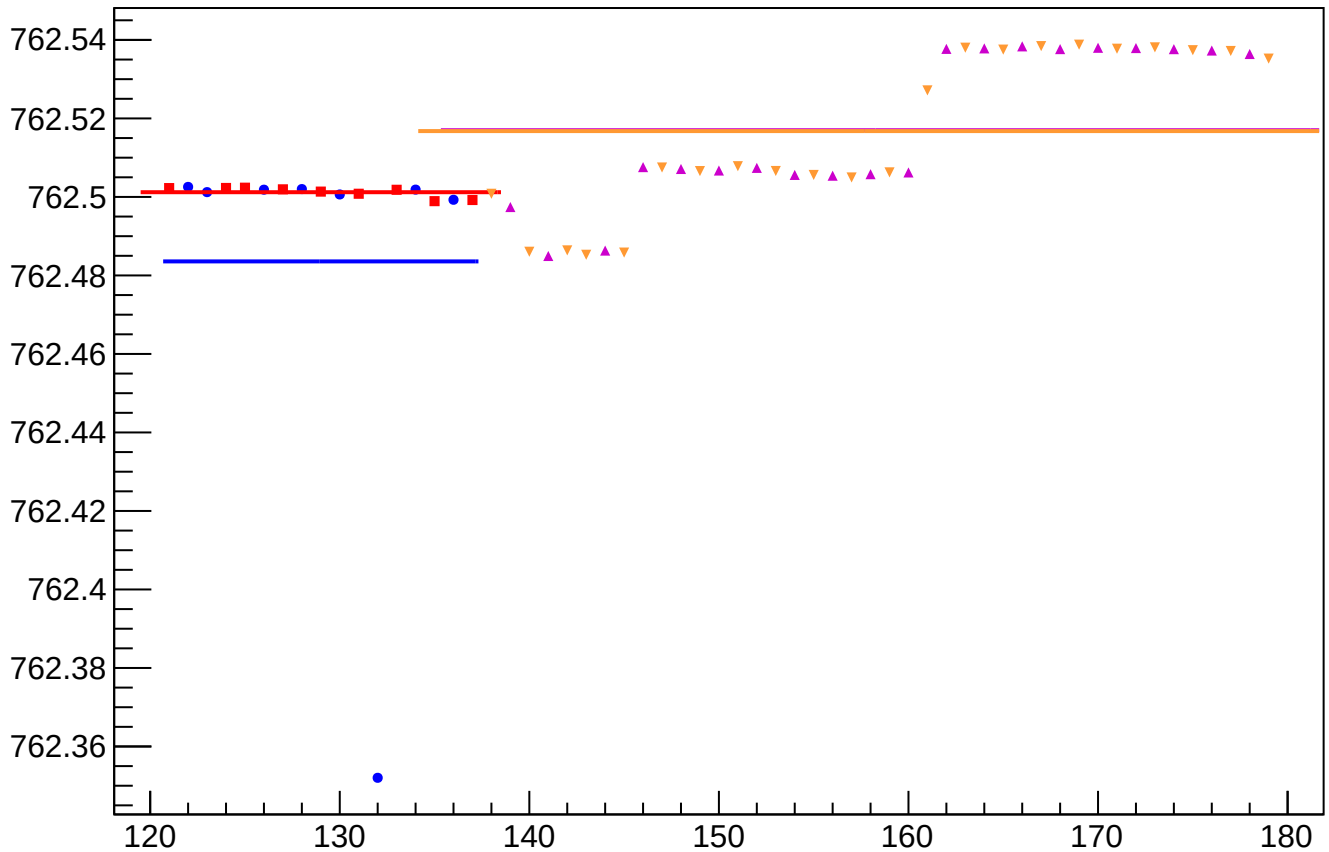
All: 924.978 $\pm$ 0.000

χ^2 /NDF: 38676565638

- sign 924.980 $\pm$ 0.000

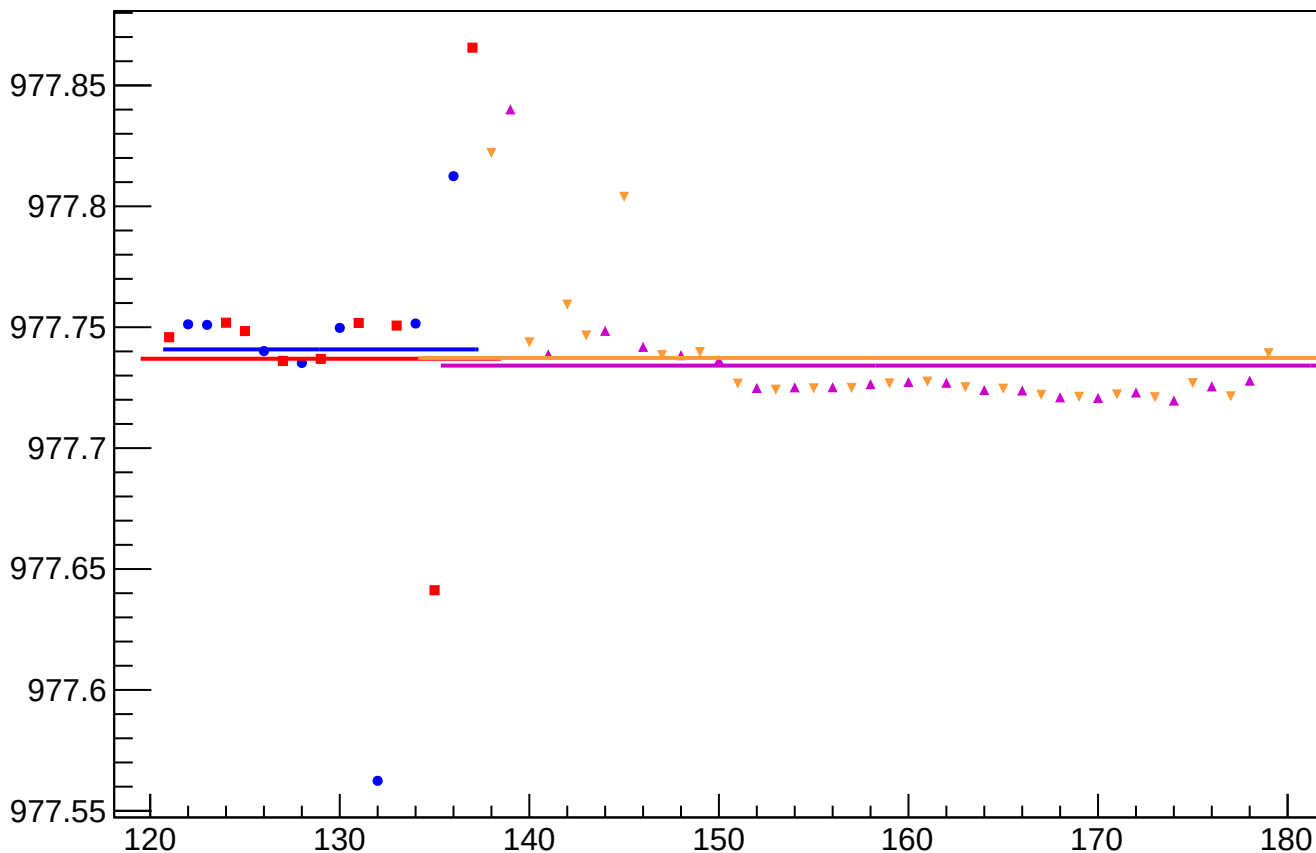
χ^2 /NDF: 999437397114329

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: 762.517 +/- 0.000 χ^2/NDF : 565236986045747004710974390272.0/19

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741+/-0.000

χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.737+/-0.000

χ^2/NDF : 1148759389935792917773769768960.0/21

Right Out: 977.737+/-0.000

χ^2/NDF : 772313054358211830610902646784.0/8

Left In: 977.734+/-0.000

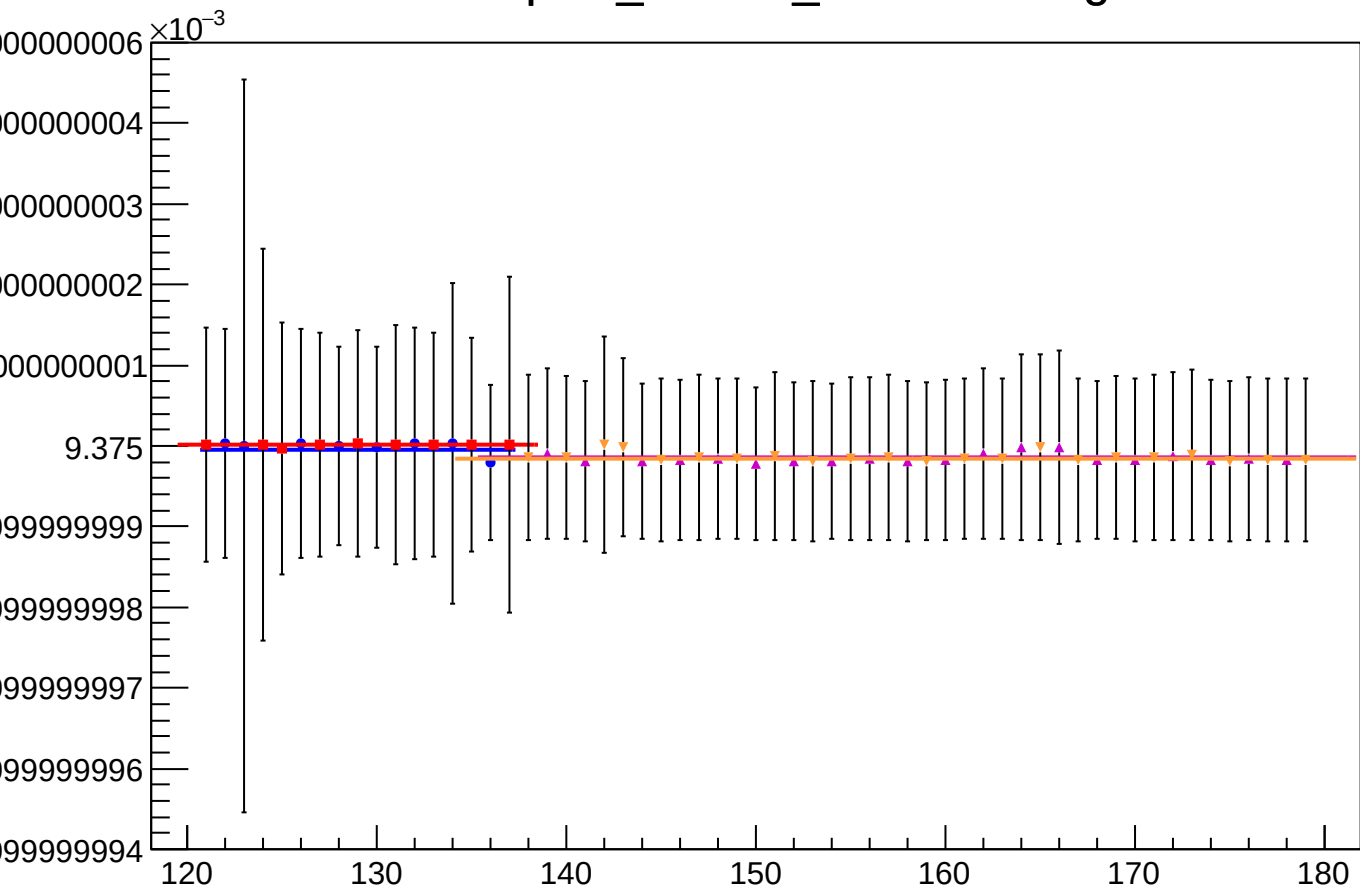
χ^2/NDF : 969345003058490328526117404672.0/19

+ sign 977.738+/-0.000 χ^2/NDF : 289040805776458

All: 977.736+/-0.000 χ^2/NDF : 464500505310

- sign 977.735+/-0.000 χ^2/NDF : 174379871967436

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

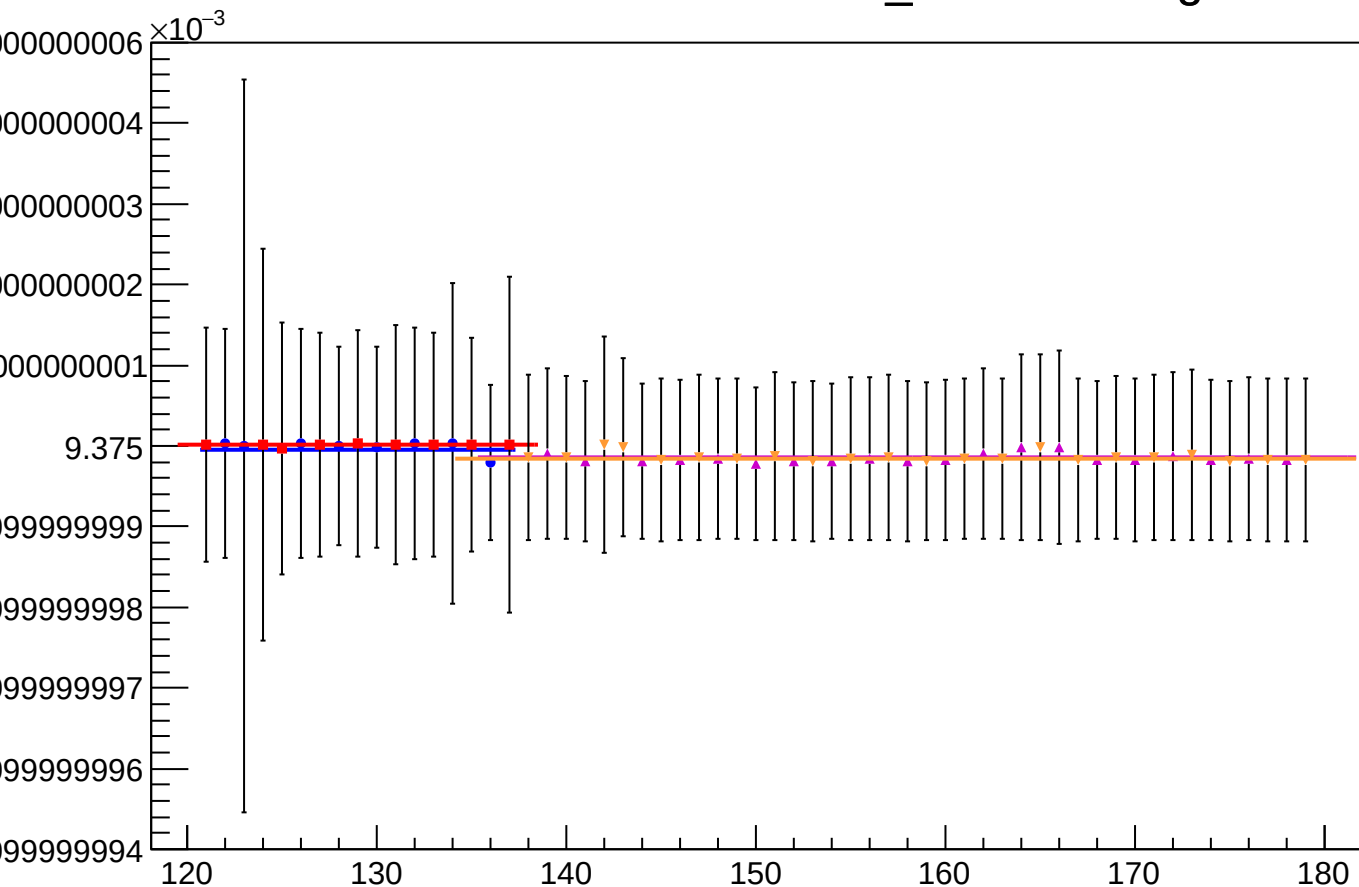
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/19

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/29

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/58

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

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

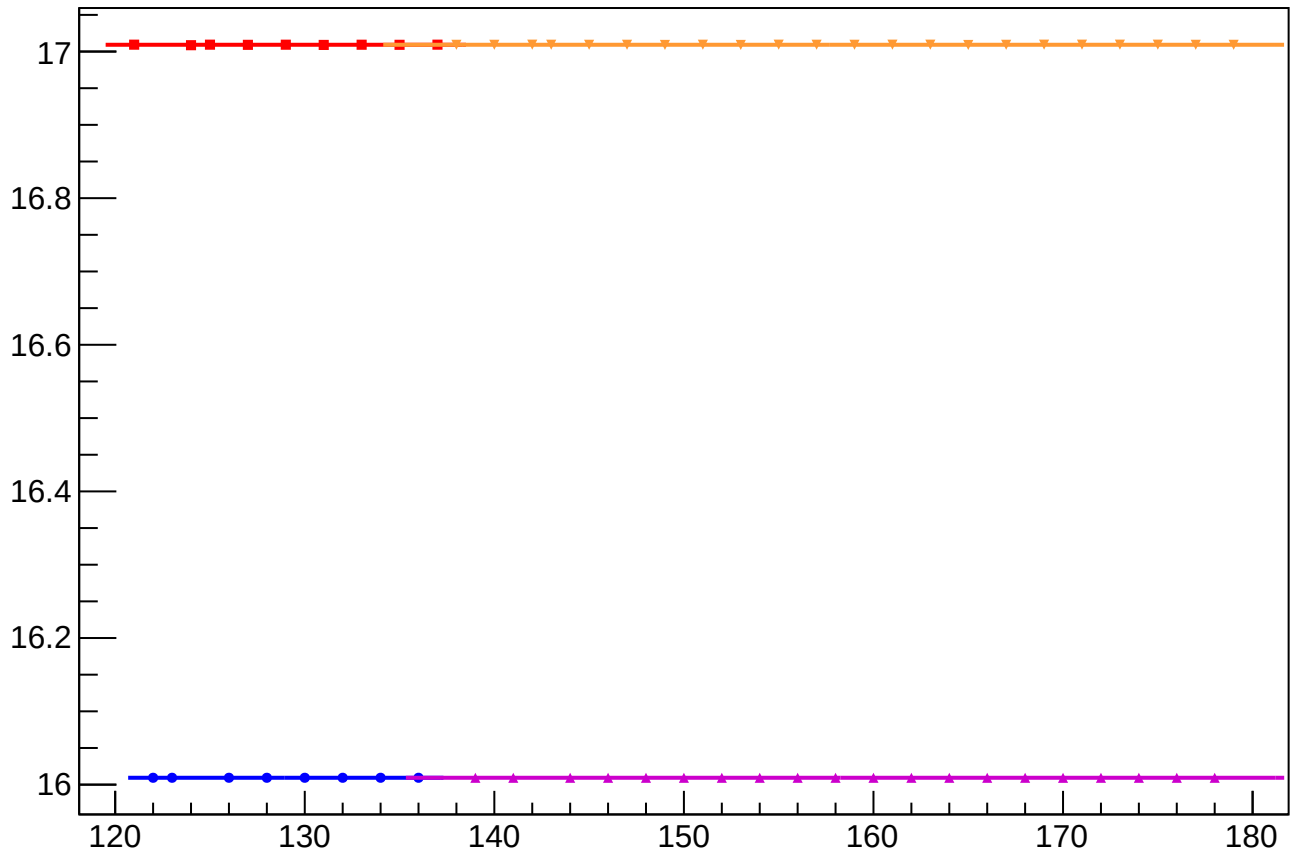
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/19

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/29

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/58

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 23769692244541927210352640.0/21

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

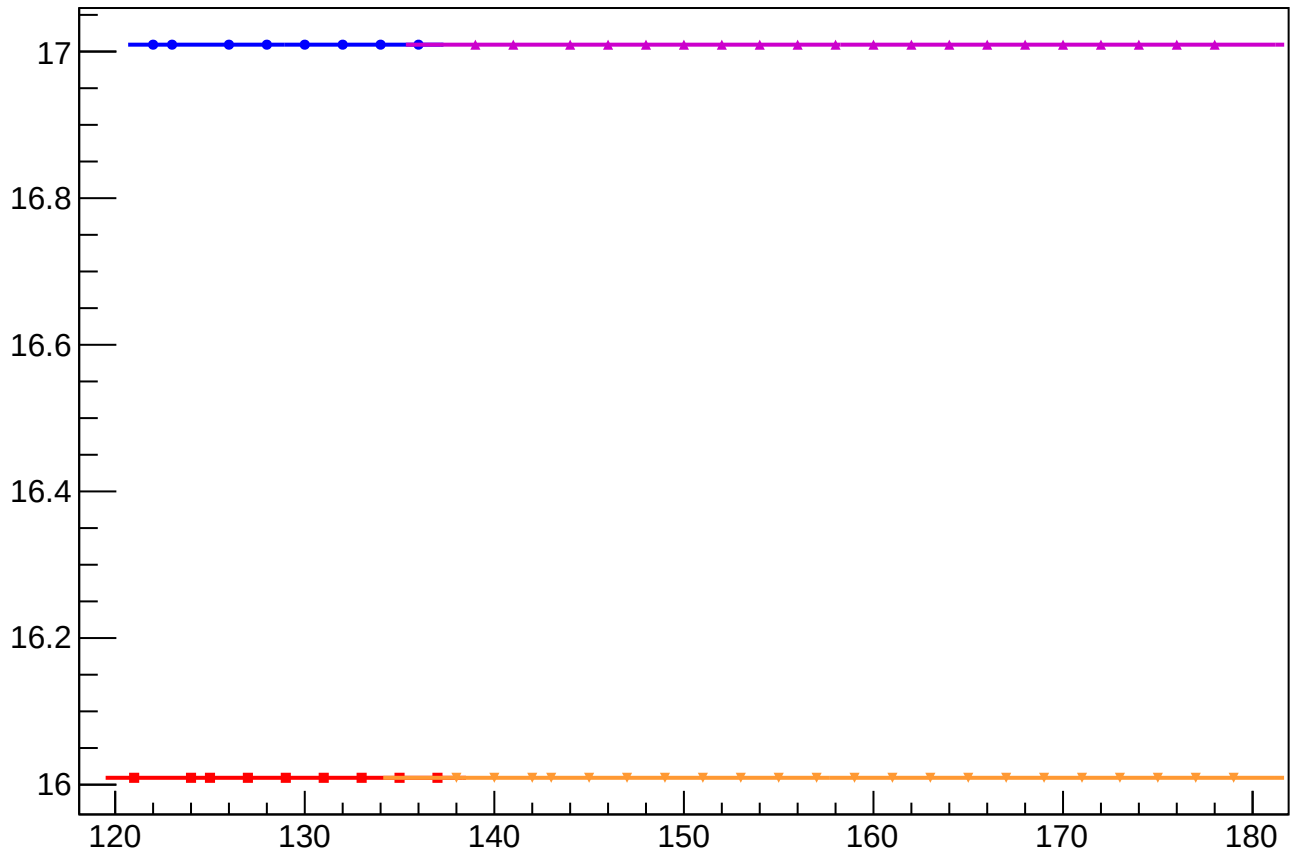
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127308383582123330633728.0/19

+ sign 16.843 $\pm$ 0.000 χ^2 /NDF: 2633520814282204

All: 16.517 $\pm$ 0.000 χ^2 /NDF: 9272880666282

- sign 16.176 $\pm$ 0.000 χ^2 /NDF: 2516000128758997

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 86396.0/21

Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

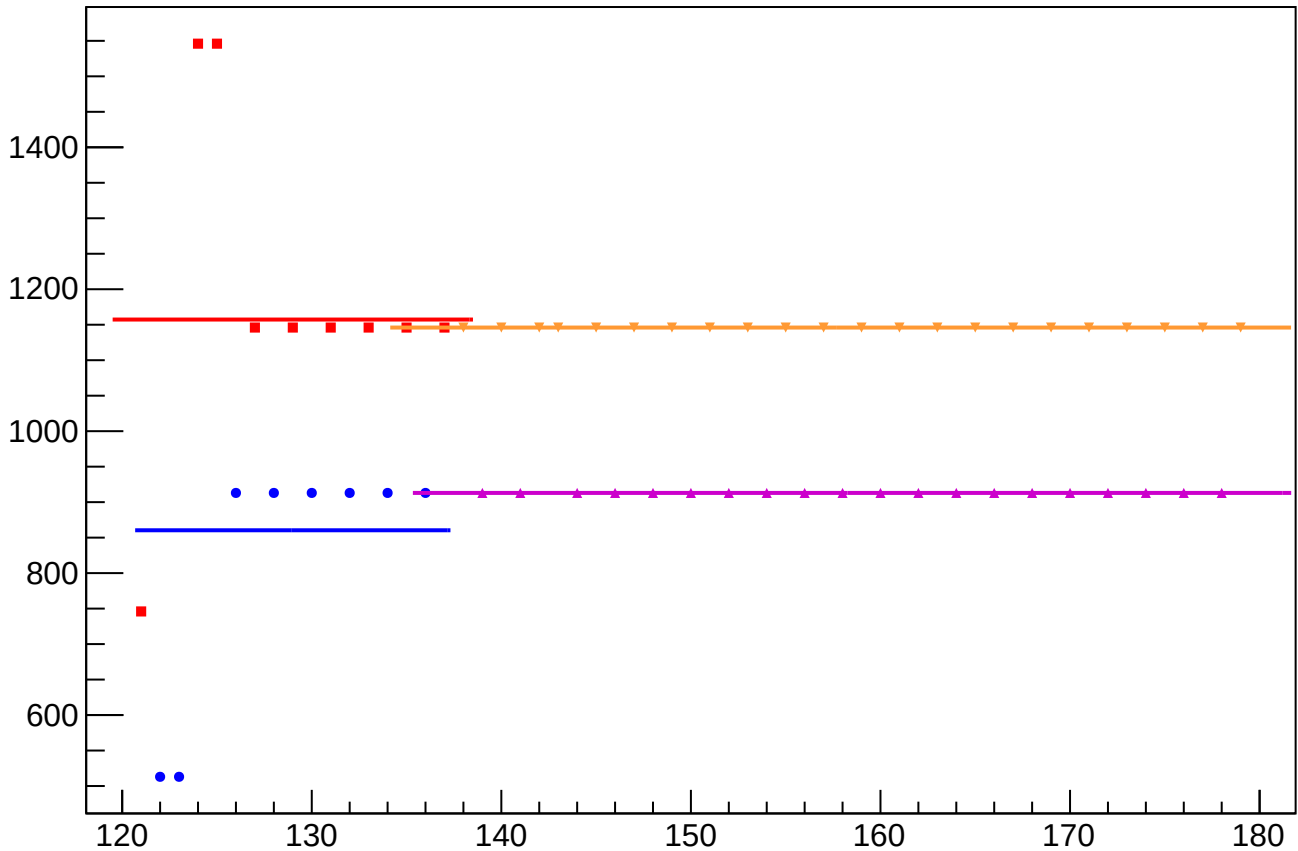
Left In: 17.009+/-0.000 χ^2/NDF : 114366809047226814300160.0/19

+ sign 16.177+/-0.000 χ^2/NDF : 2845520628683646

All: 16.497+/-0.000 χ^2/NDF : 9821728362284

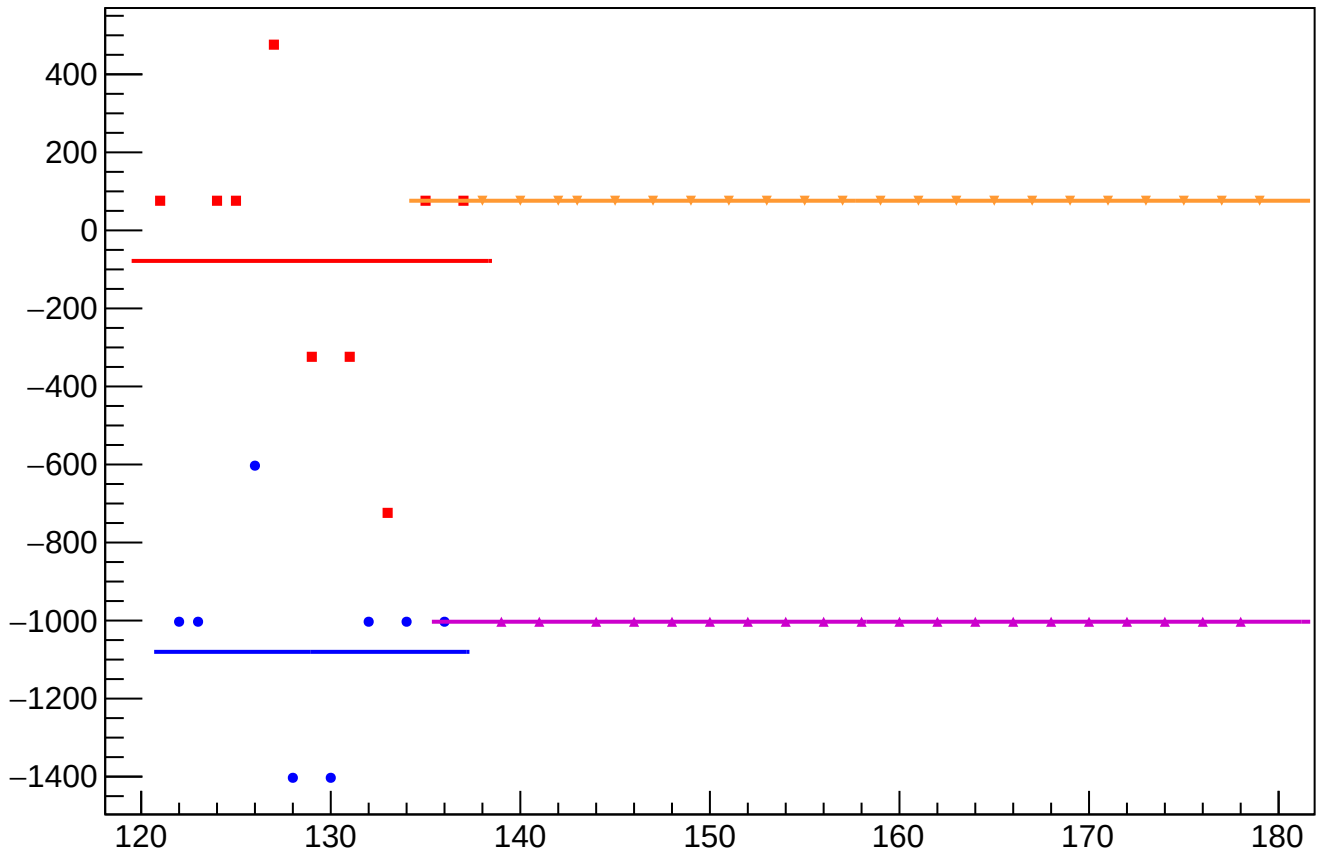
- sign 16.841+/-0.000 χ^2/NDF : 2652992118568108

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: 912.995+/-0.000 χ^2/NDF : 23718687129593346527112200192.0/19

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: -1002.990 ± 0.000 χ^2/NDF : 2354334773737381480217182208.0/19
 All: -471.212 ± 0.000 χ^2/NDF : 12076621713
 + sign -115.939 ± 0.000 χ^2/NDF : 40292068981568
 - sign -850.219 ± 0.000 χ^2/NDF : 26734989277213