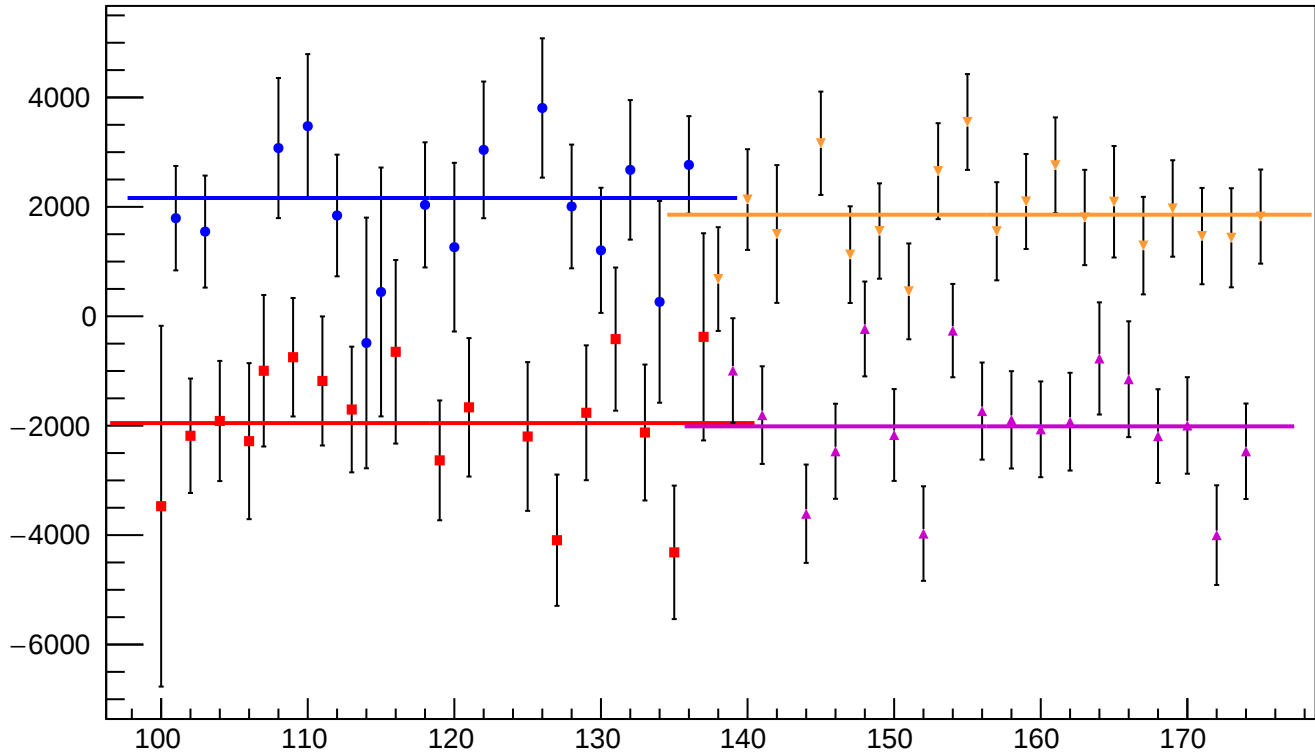


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1856.887+/-208.020

χ^2/NDF : 13.7/18

Right Out: -1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: -2012.004+/-210.922

χ^2/NDF : 25.6/17

+ sign 1952.858+/-172.265

χ^2/NDF : 23.3/34

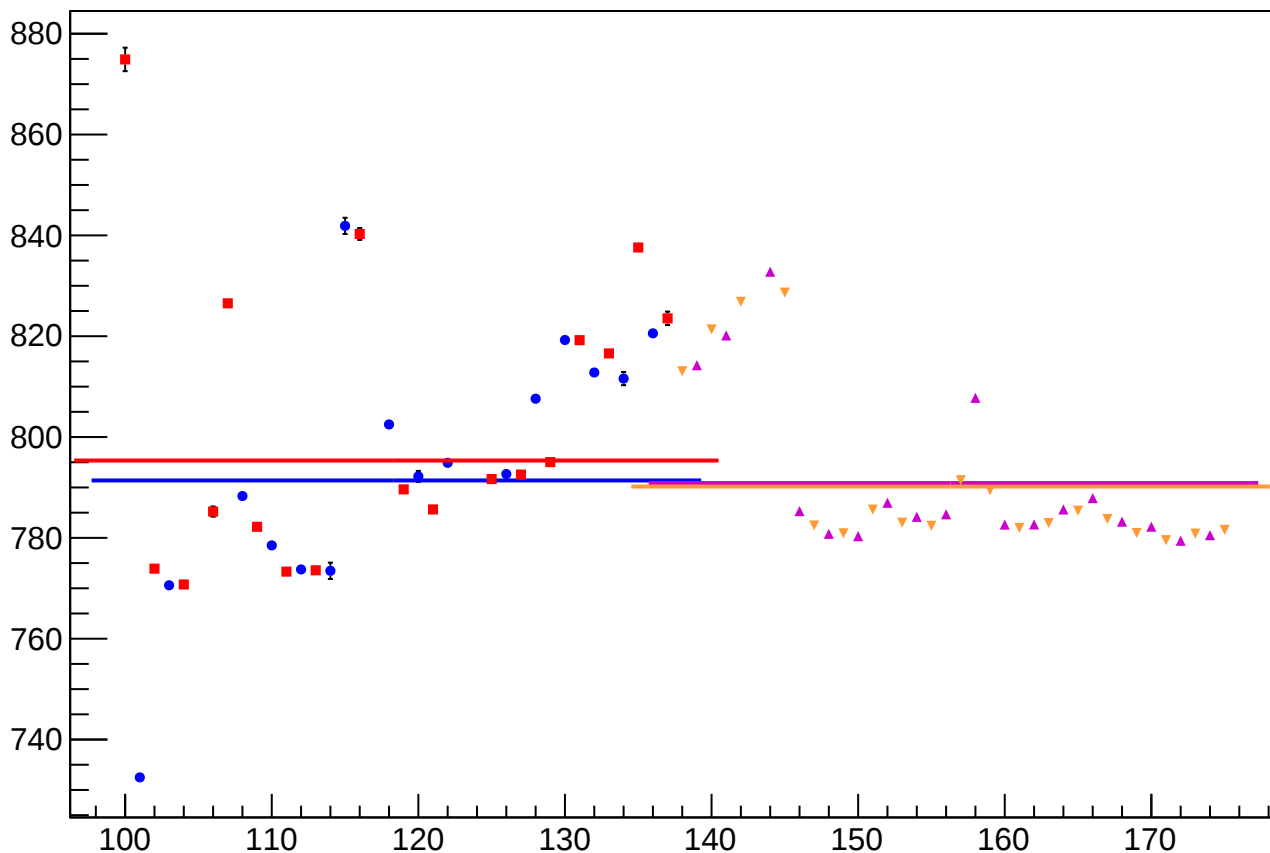
All: -15.240+/-121.947

χ^2/NDF : 323.2/70

- sign -1992.255+/-172.655

χ^2/NDF : 38.2/35

reg_asym_us_avg_rms vs Slug



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

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

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

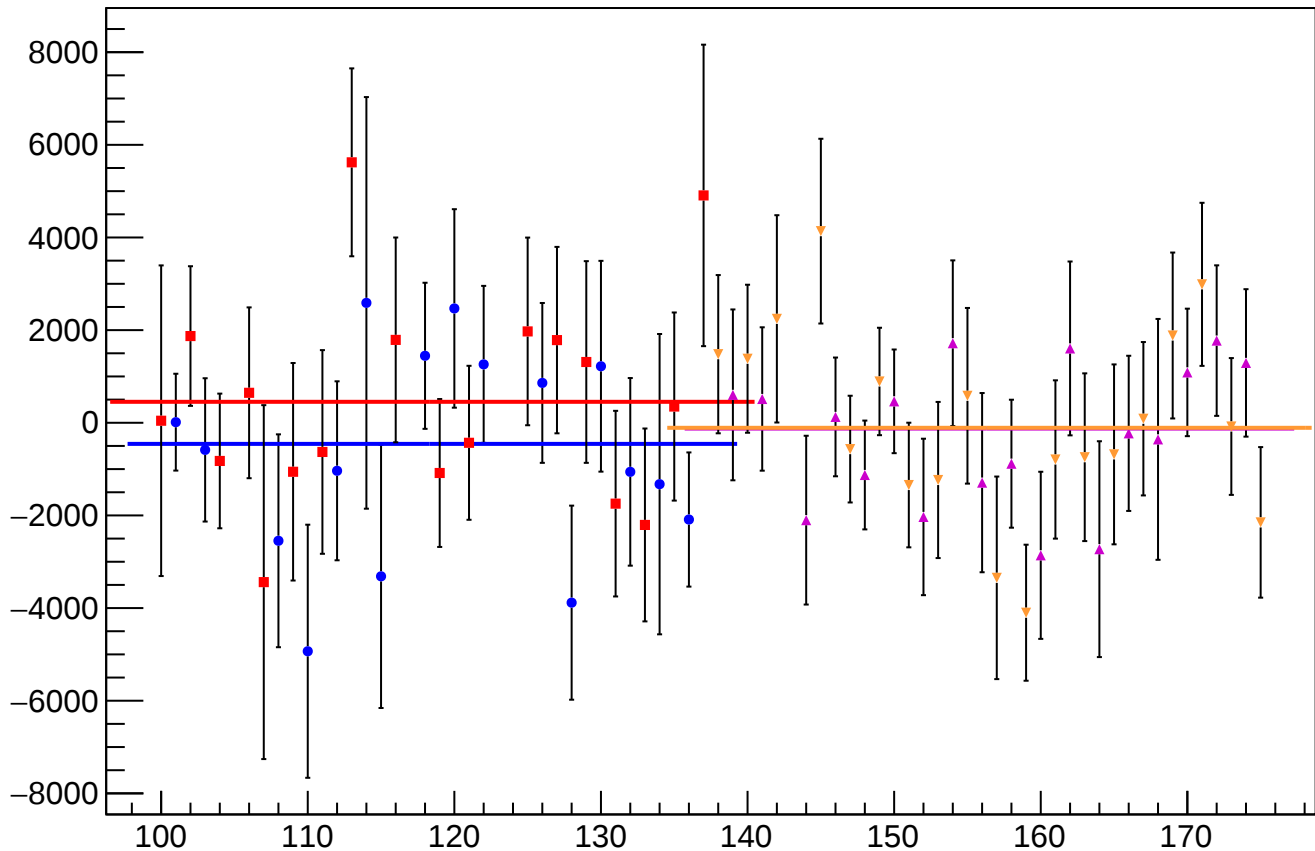
Left In: 790.874+/-0.149 χ^2/NDF :10713.9/17

+ sign 790.562+/-0.122 χ^2/NDF : 25611.8/34

All: 791.453+/-0.086 χ^2/NDF : 48289.4/70

- sign 792.349+/-0.122 χ^2/NDF : 22570.1/35

asym_us_avg_correction_mean vs Slug



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

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

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

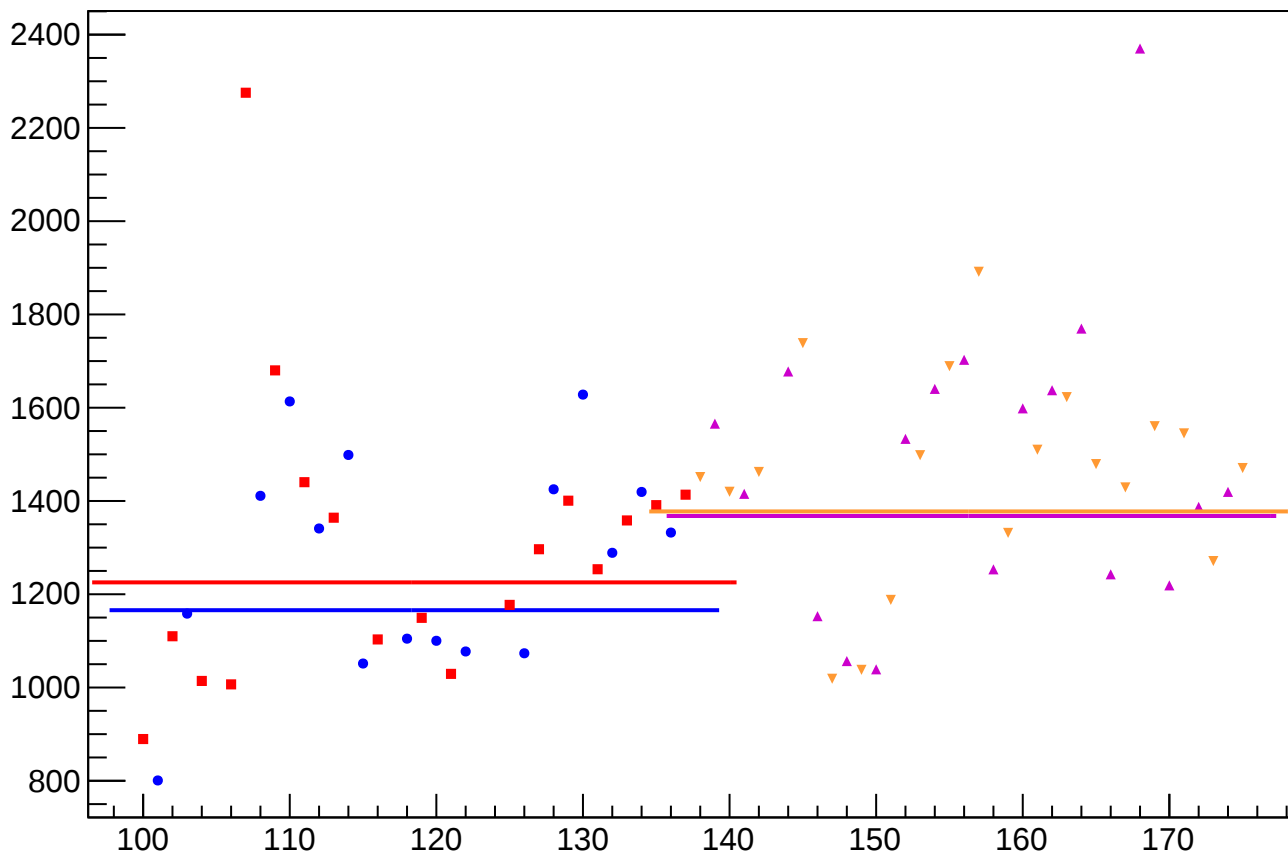
Left In: -125.404+/-373.158 χ^2/NDF : 12.9/17

+ sign -243.548+/-289.536 χ^2/NDF : 40.8/34

All: -75.498+/-205.914 χ^2/NDF : 72.6/70

- sign 96.488+/-292.907 χ^2/NDF : 31.1/35

asym_us_avg_correction_rms vs Slug



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

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

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

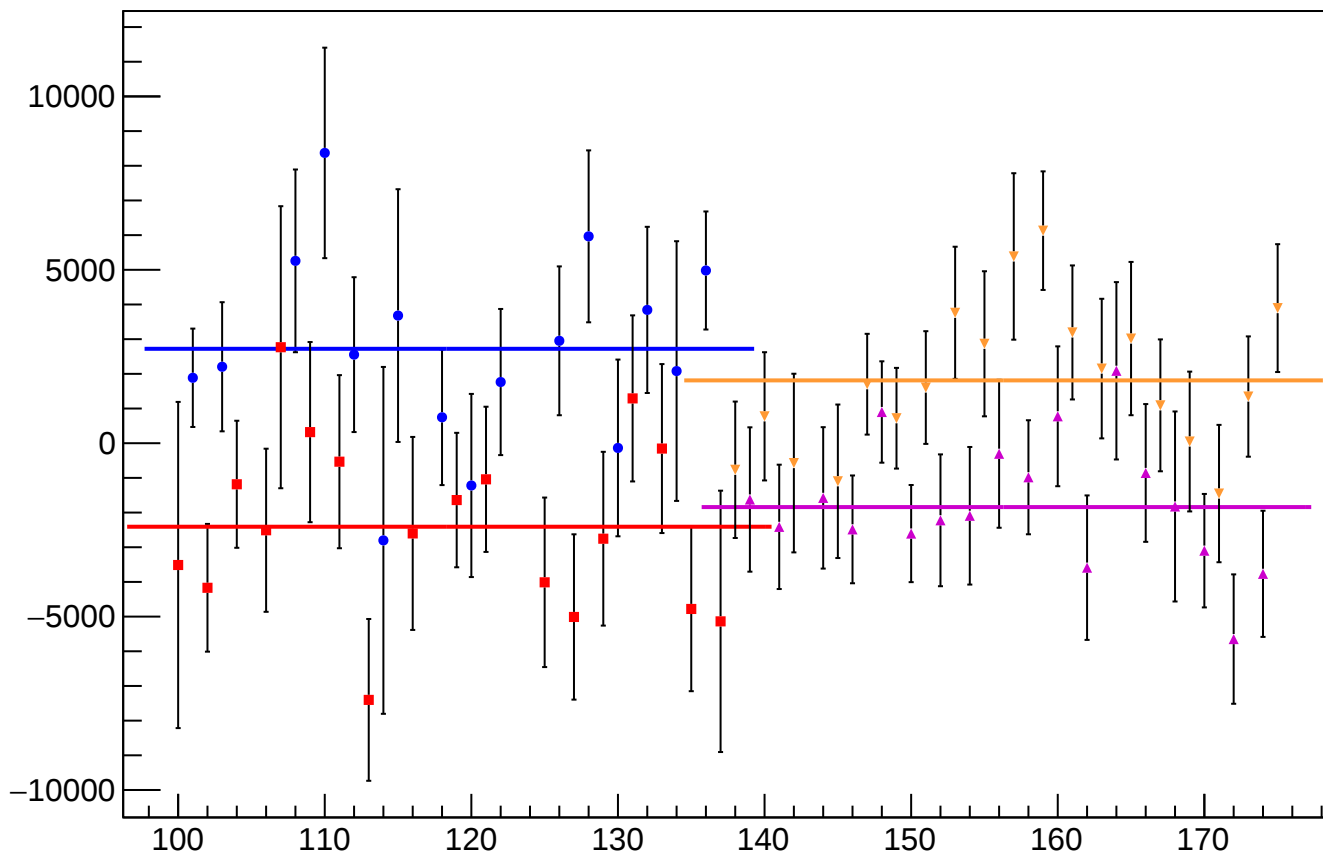
Left In: 1367.808 $\pm$ 0.264 χ^2 /NDF: 1059115.1/17

+ sign 1295.223 $\pm$ 0.205 χ^2 /NDF: 1548678.9/34

All: 1304.088 $\pm$ 0.146 χ^2 /NDF: 3163746.8/70

- sign 1313.161 $\pm$ 0.207 χ^2 /NDF: 1611273.7/35

asym_us_avg_mean vs Slug



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

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

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

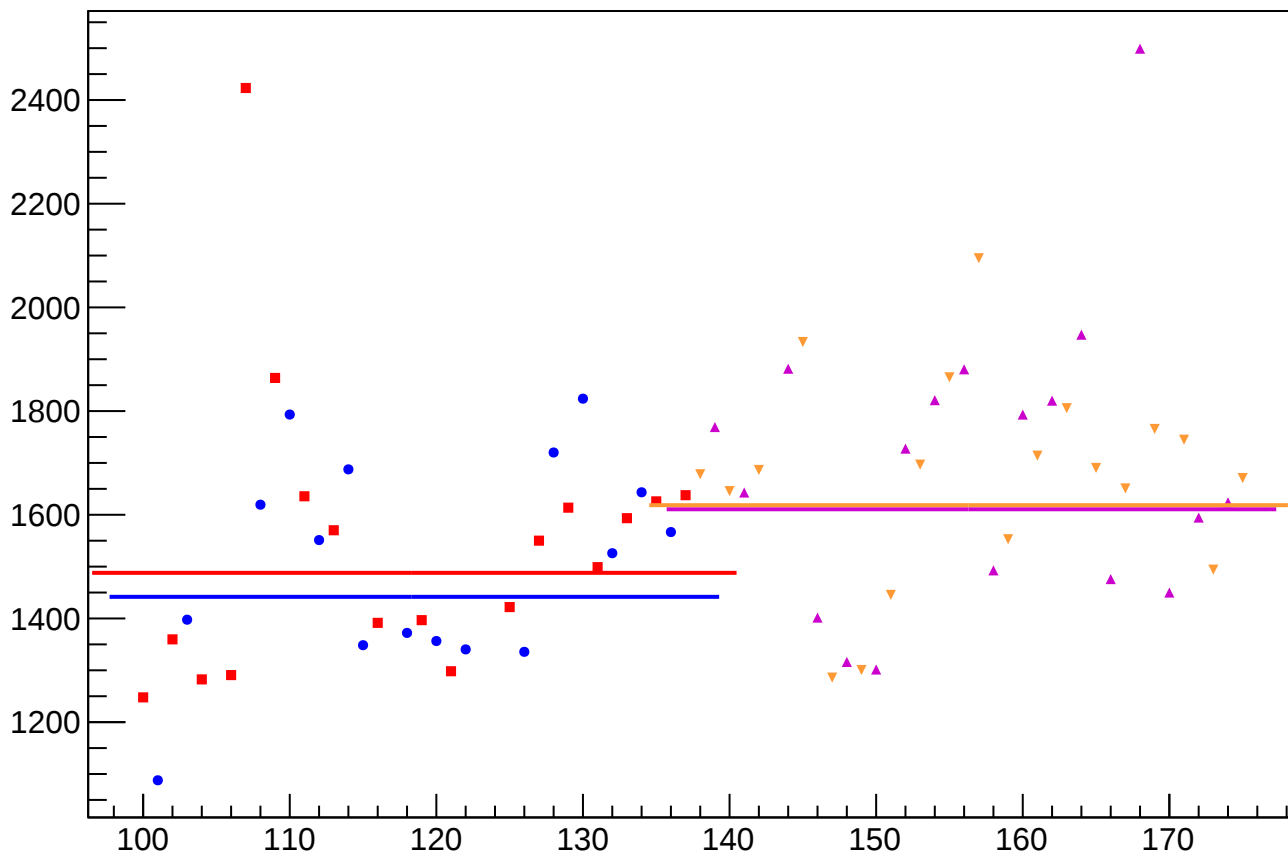
Left In: -1841.838+/-435.445 χ^2/NDF : 15.8/17

+ sign 2145.104+/-343.308 χ^2/NDF : 37.1/34

All: 62.154+/-243.631 χ^2/NDF : 144.0/70

- sign -2051.123+/-345.798 χ^2/NDF : 32.7/35

asym_us_avg_rms vs Slug



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

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

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

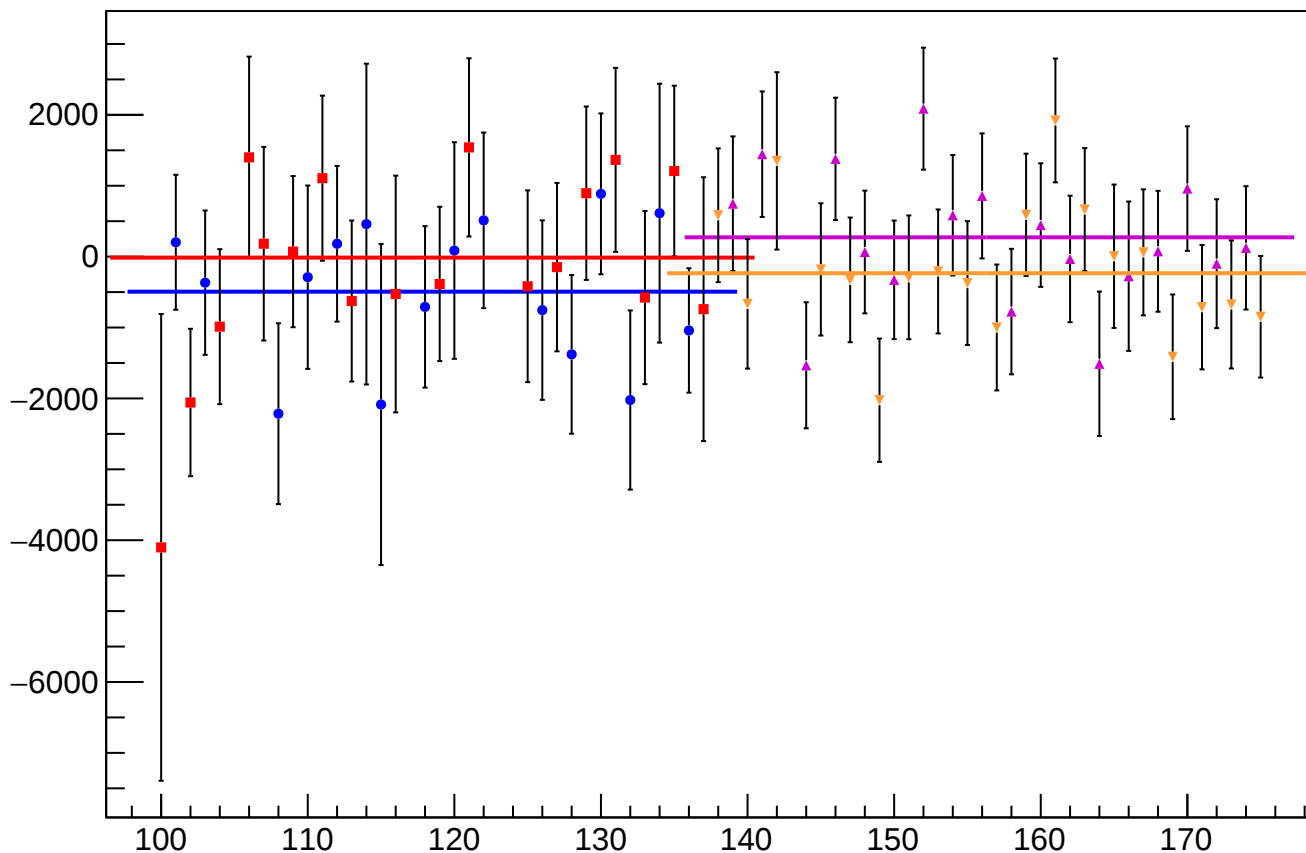
Left In: 1610.606+/-0.308 χ^2/NDF : 645001.2/17

+ sign 1553.732+/-0.243 χ^2/NDF : 834925.3/34

All: 1559.489+/-0.172 χ^2/NDF : 1795740.7/70

- sign 1565.329+/-0.245 χ^2/NDF : 959682.6/35

reg_asym_us_dd_mean vs Slug



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

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

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

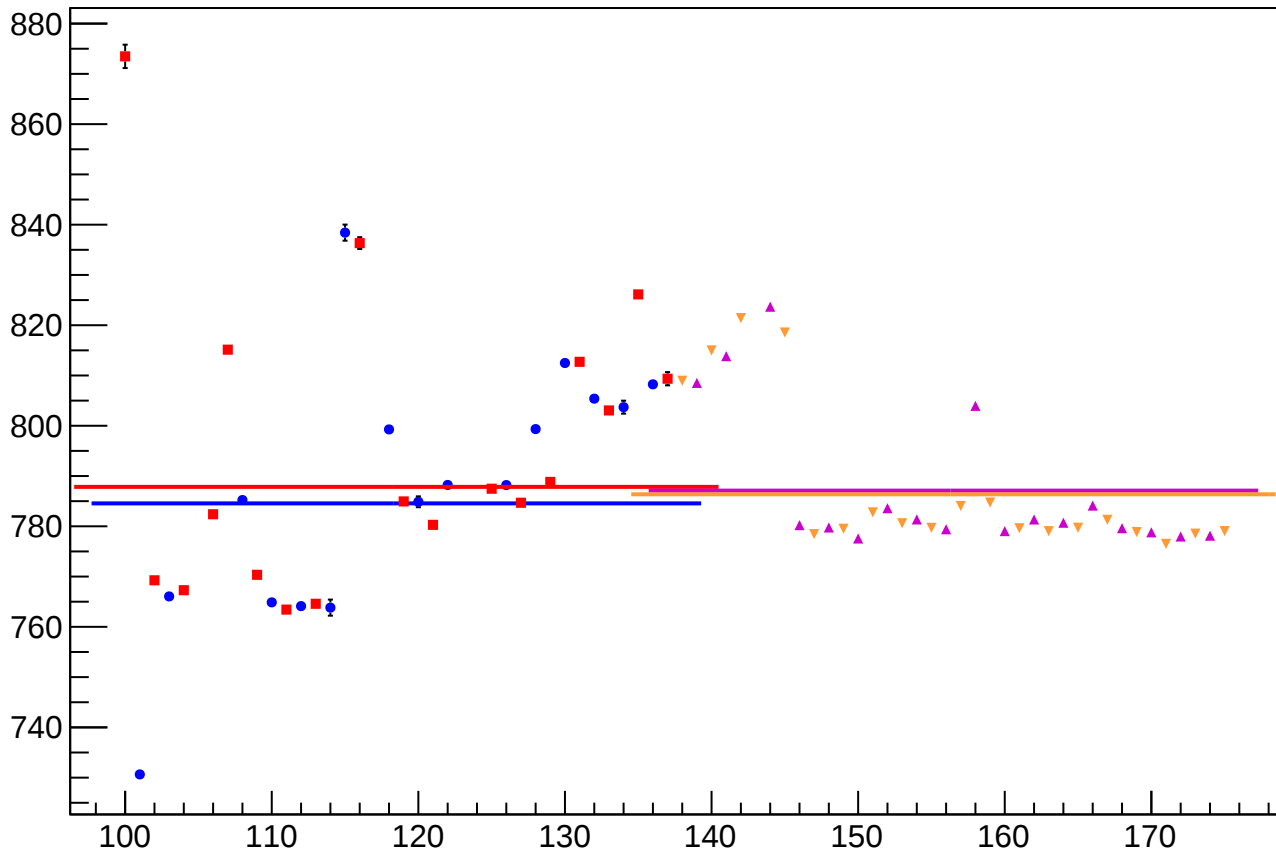
Left In: 272.129+/-209.905 χ^2/NDF : 19.1/17

+ sign -316.059+/-171.215 χ^2/NDF : 27.8/34

All: -69.875+/-121.188 χ^2/NDF : 65.1/70

- sign 177.294+/-171.557 χ^2/NDF : 33.1/35

reg_asym_us_dd_rms vs Slug



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

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

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

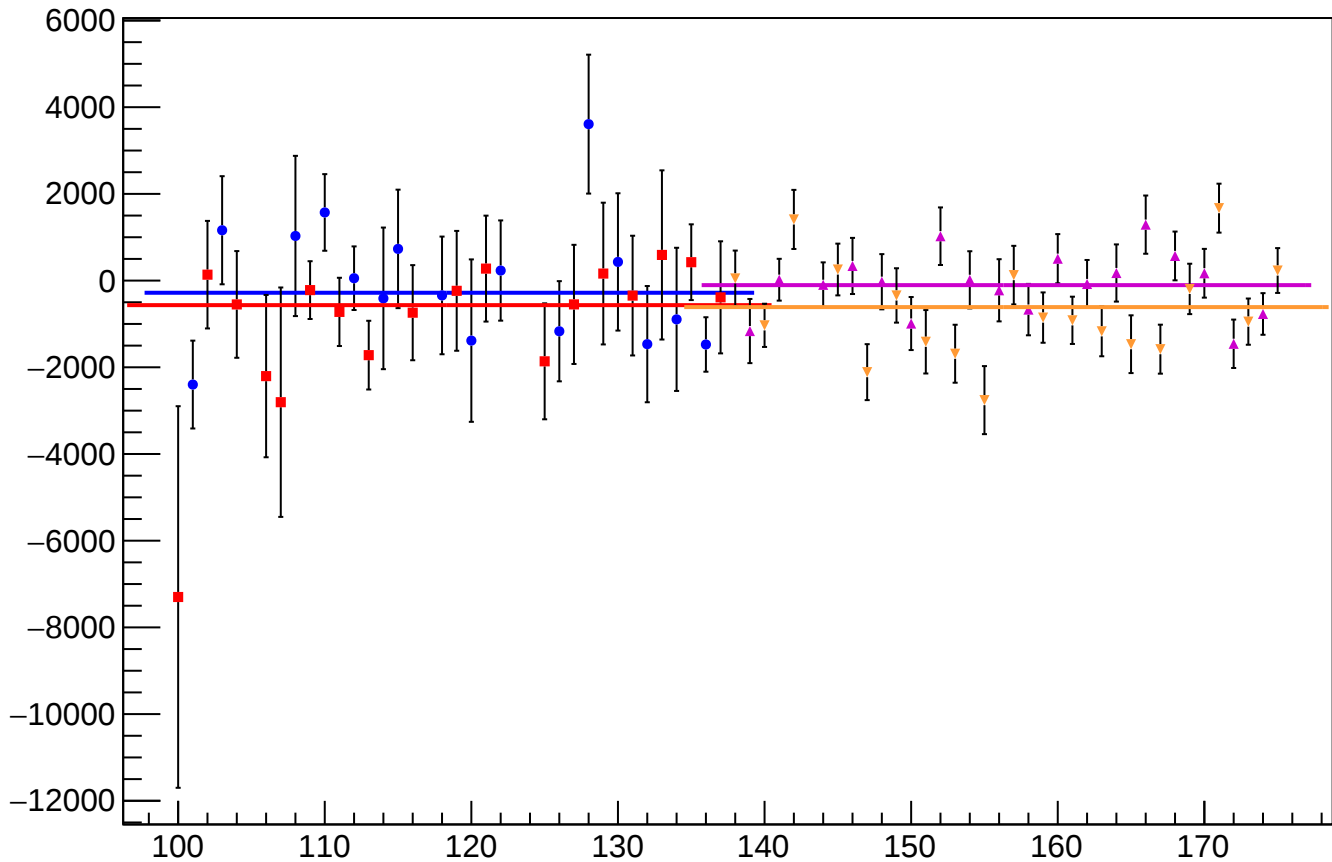
Left In: 787.098 $\pm$ 0.148 χ^2 /NDF: 8857.7/17

+ sign 785.793 $\pm$ 0.121 χ^2 /NDF: 22443.2/34

All: 786.568 $\pm$ 0.086 χ^2 /NDF: 42300.4/70

- sign 787.345 $\pm$ 0.121 χ^2 /NDF: 19775.1/35

asym_us_dd_correction_mean vs Slug



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

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

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

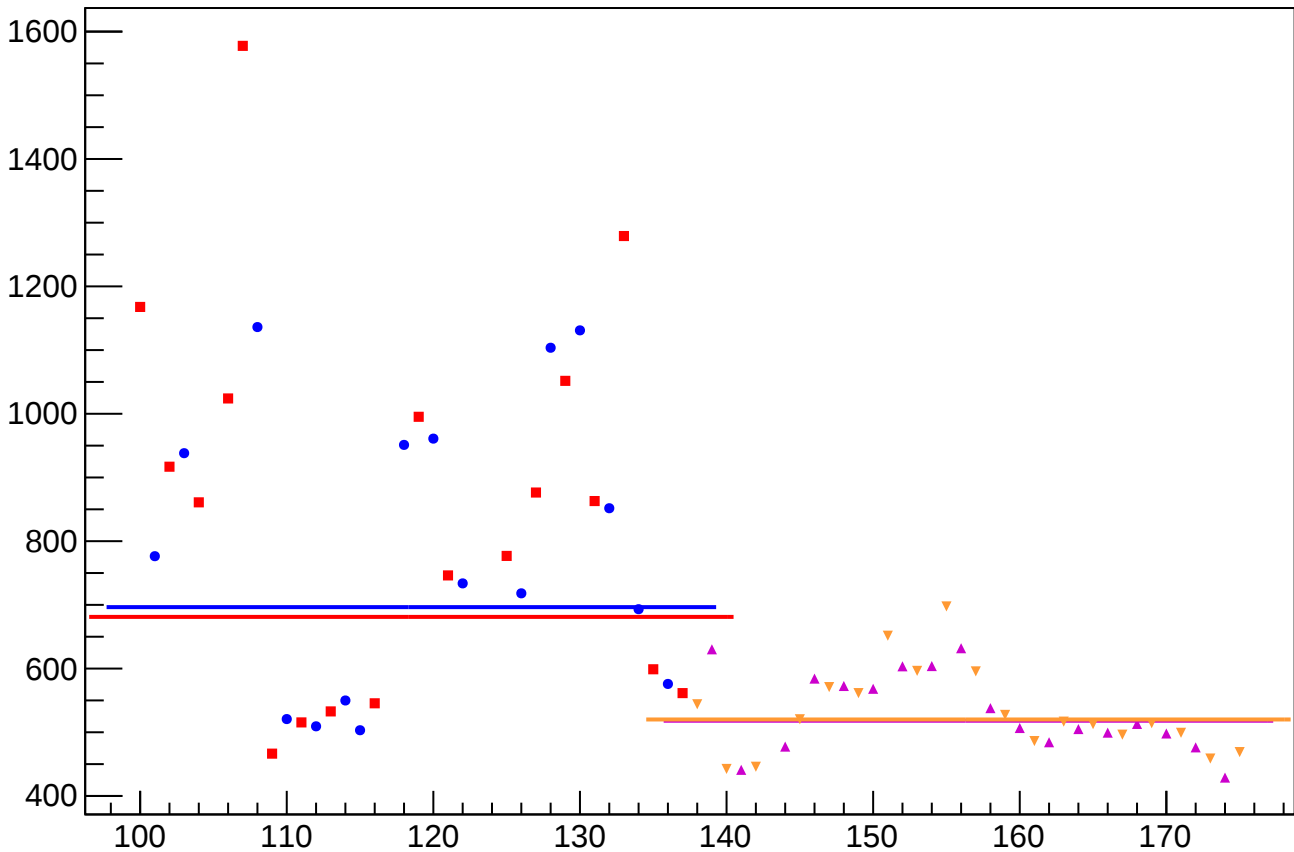
Left In: -104.717 $\pm$ 139.355 χ^2 /NDF:23.7/17

+ sign -547.653 $\pm$ 124.137 χ^2 /NDF: 80.9/34

All: -373.876 $\pm$ 87.768 χ^2 /NDF: 120.7/70

- sign -200.178 $\pm$ 124.109 χ^2 /NDF: 35.9/35

asym_us_dd_correction_rms vs Slug



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

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

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

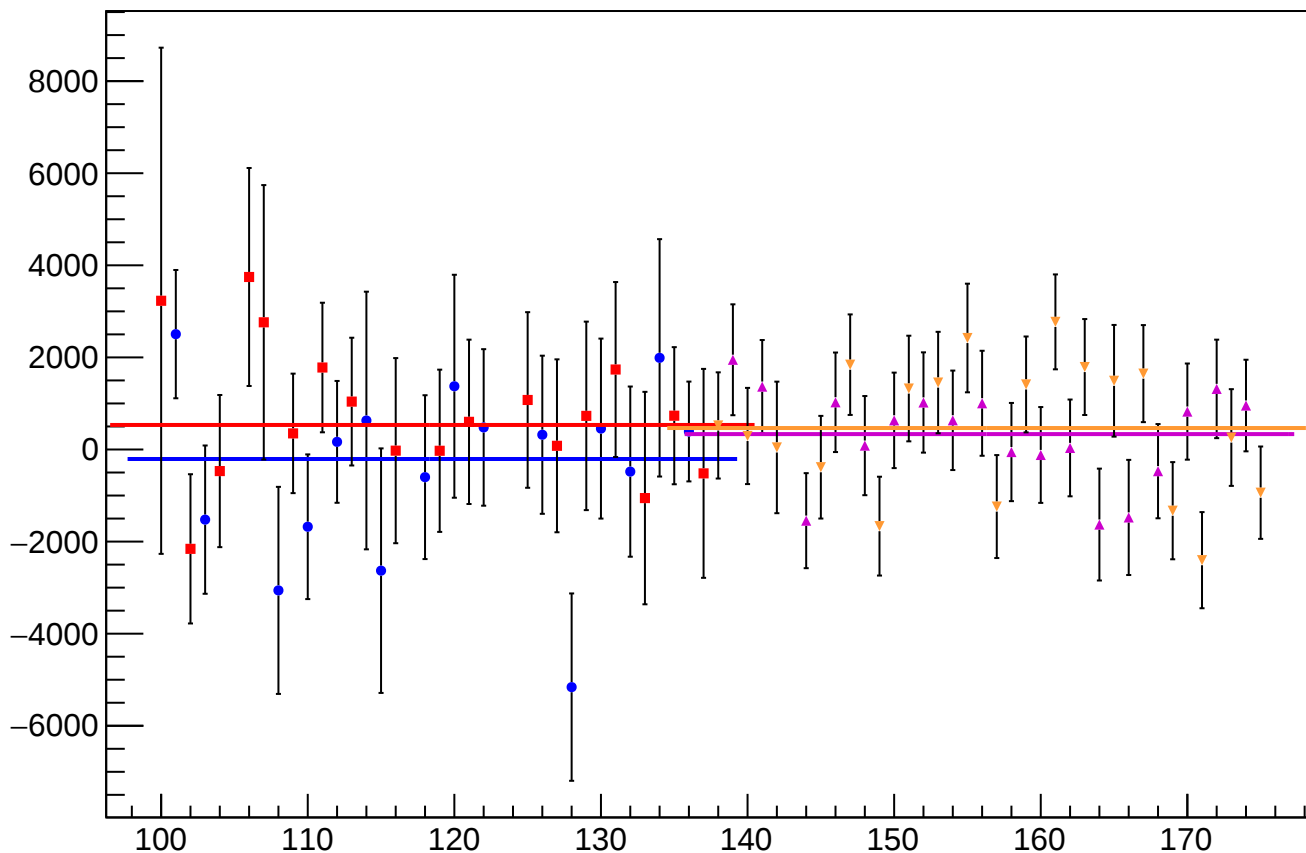
Left In: 518.099 $\pm$ 0.099 χ^2 /NDF: 371484.3/17

+ sign 554.134 $\pm$ 0.088 χ^2 /NDF: 1963577.9/34

All: 552.977 $\pm$ 0.062 χ^2 /NDF: 4254149.6/70

- sign 551.821 $\pm$ 0.088 χ^2 /NDF: 2290224.4/35

asym_us_dd_mean vs Slug



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

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

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

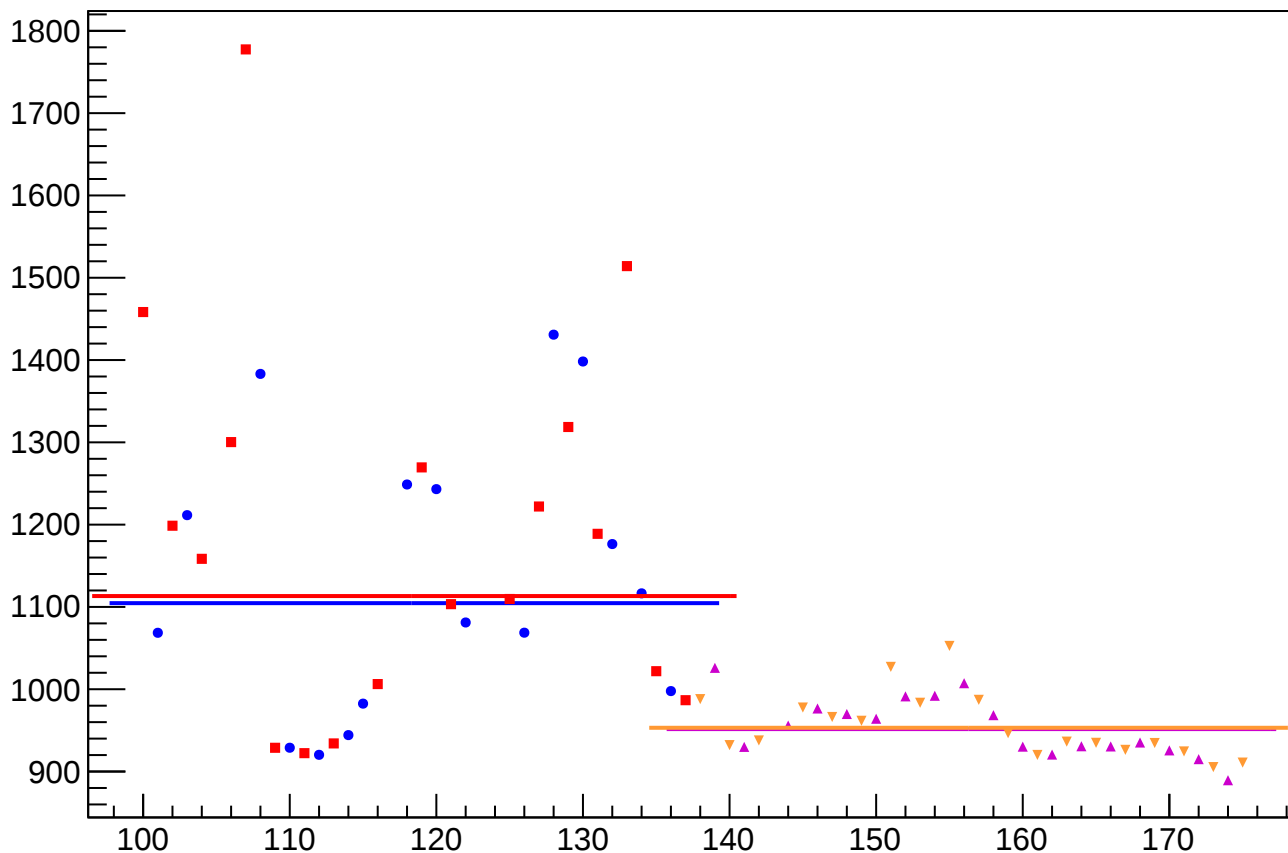
Left In: 334.387 ± 253.944 χ^2/NDF : 14.7/17

+ sign 297.442 ± 217.338 χ^2/NDF : 52.1/34

All: 341.636 ± 154.013 χ^2/NDF : 75.2/70

- sign 386.215 ± 218.279 χ^2/NDF : 23.0/35

asym_us_dd_rms vs Slug



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

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

+ sign 991.172 $\pm$ 0.154 χ^2 /NDF: 482473.8/34

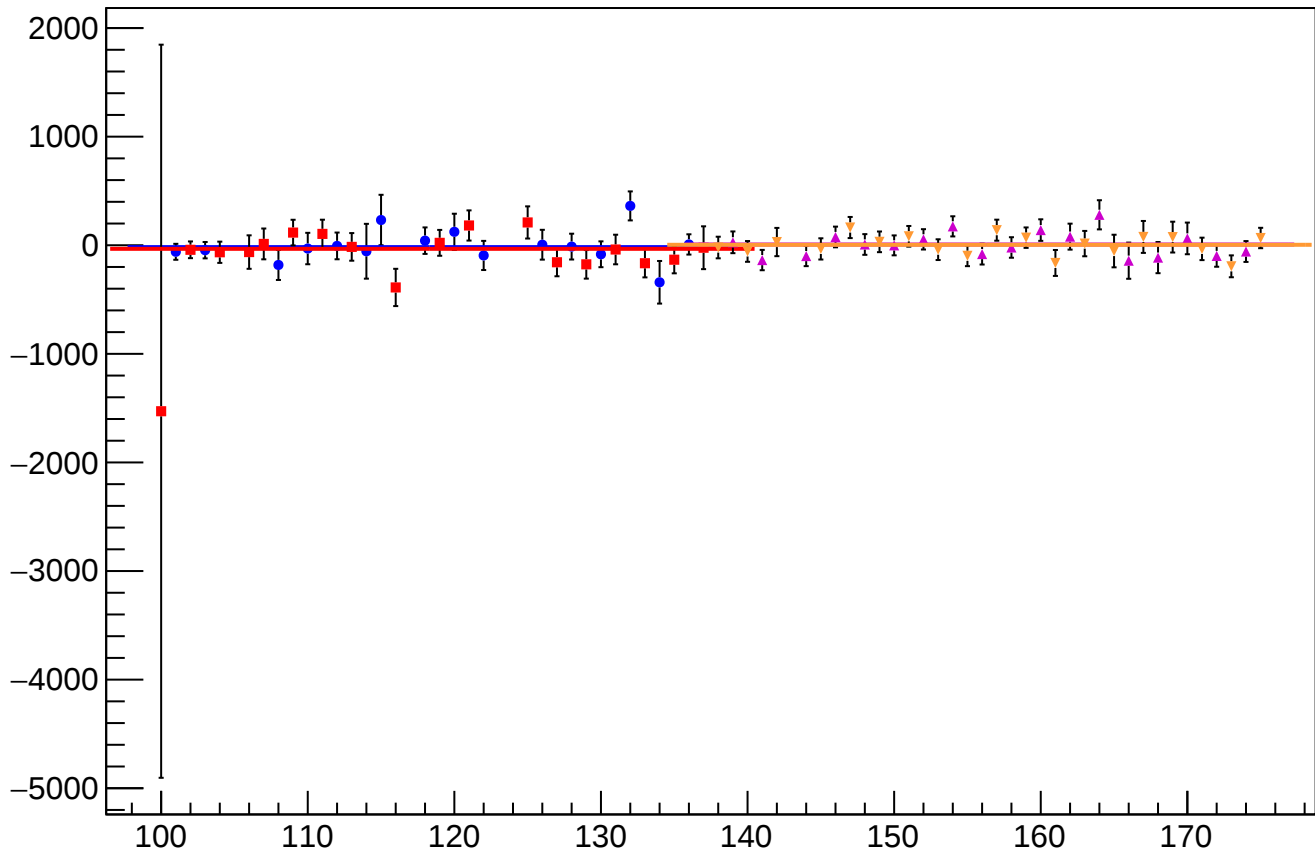
Right Out: 1113.215 $\pm$ 0.302 χ^2 /NDF: 362982.2/17

All: 992.469 $\pm$ 0.109 χ^2 /NDF: 1094173.8/70

- sign 993.778 $\pm$ 0.154 χ^2 /NDF: 611556.9/35

Left In: 951.559 $\pm$ 0.180 χ^2 /NDF: 36910.7/17

reg_asym_ds_avg_mean vs Slug



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

Left Out: 4.169 ± 24.046 χ^2/NDF : 14.9/18

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

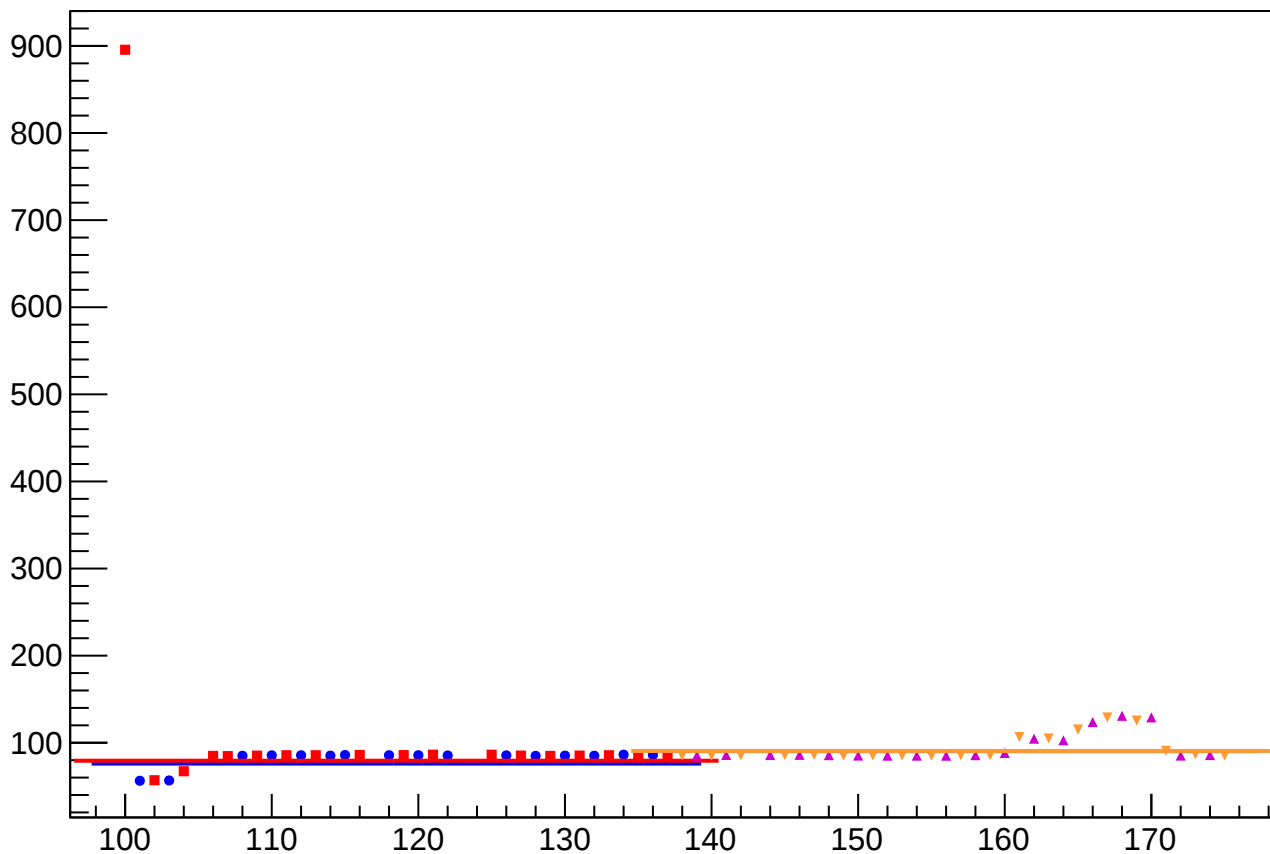
Left In: 6.830 ± 24.345 χ^2/NDF : 18.2/17

+ sign -4.208 ± 18.760 χ^2/NDF : 30.8/34

All: -6.405 ± 13.354 χ^2/NDF : 66.6/70

- sign -8.662 ± 19.014 χ^2/NDF : 35.8/35

reg_asym_ds_avg_rms vs Slug



Right In: 76.079+/-0.021 χ^2 /NDF: 409170.8/15

Left Out: 90.574+/-0.017 χ^2 /NDF: 446132.0/18

Right Out: 79.390+/-0.022 χ^2 /NDF: 378526.1/17

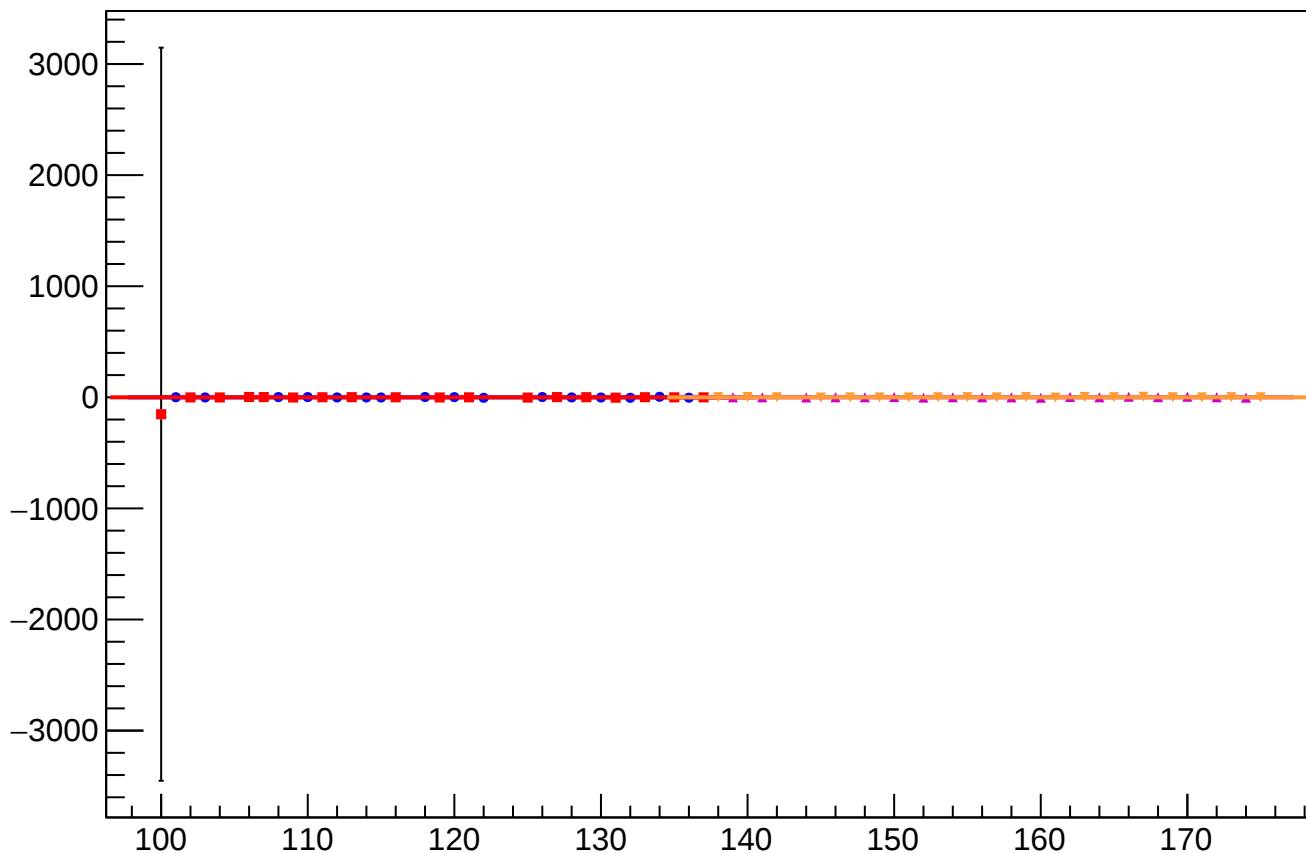
Left In: 90.458+/-0.017 χ^2 /NDF: 490043.2/17

+ sign 84.901+/-0.013 χ^2 /NDF: 1139697.3/34

All: 85.513+/-0.009 χ^2 /NDF: 2173805.6/70

- sign 86.141+/-0.013 χ^2 /NDF: 1029798.0/35

asym_ds_avg_correction_mean vs Slug



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

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

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

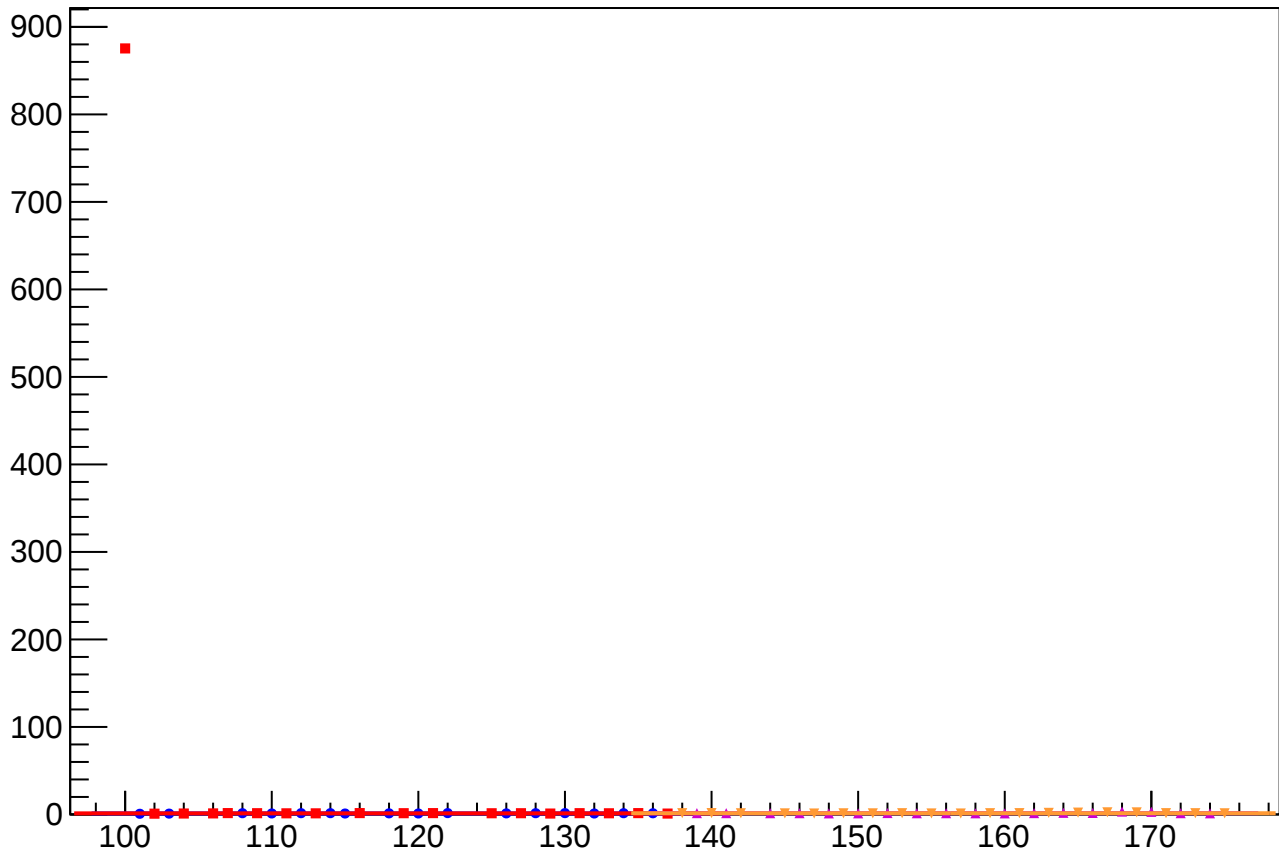
Left In: 0.228 ± 0.435 χ^2/NDF : 23.0/17

+ sign -0.114 ± 0.319 χ^2/NDF : 34.3/34

All: -0.011 ± 0.231 χ^2/NDF : 66.7/70

- sign 0.102 ± 0.334 χ^2/NDF : 32.2/35

asym_ds_avg_correction_rms vs Slug



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

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

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

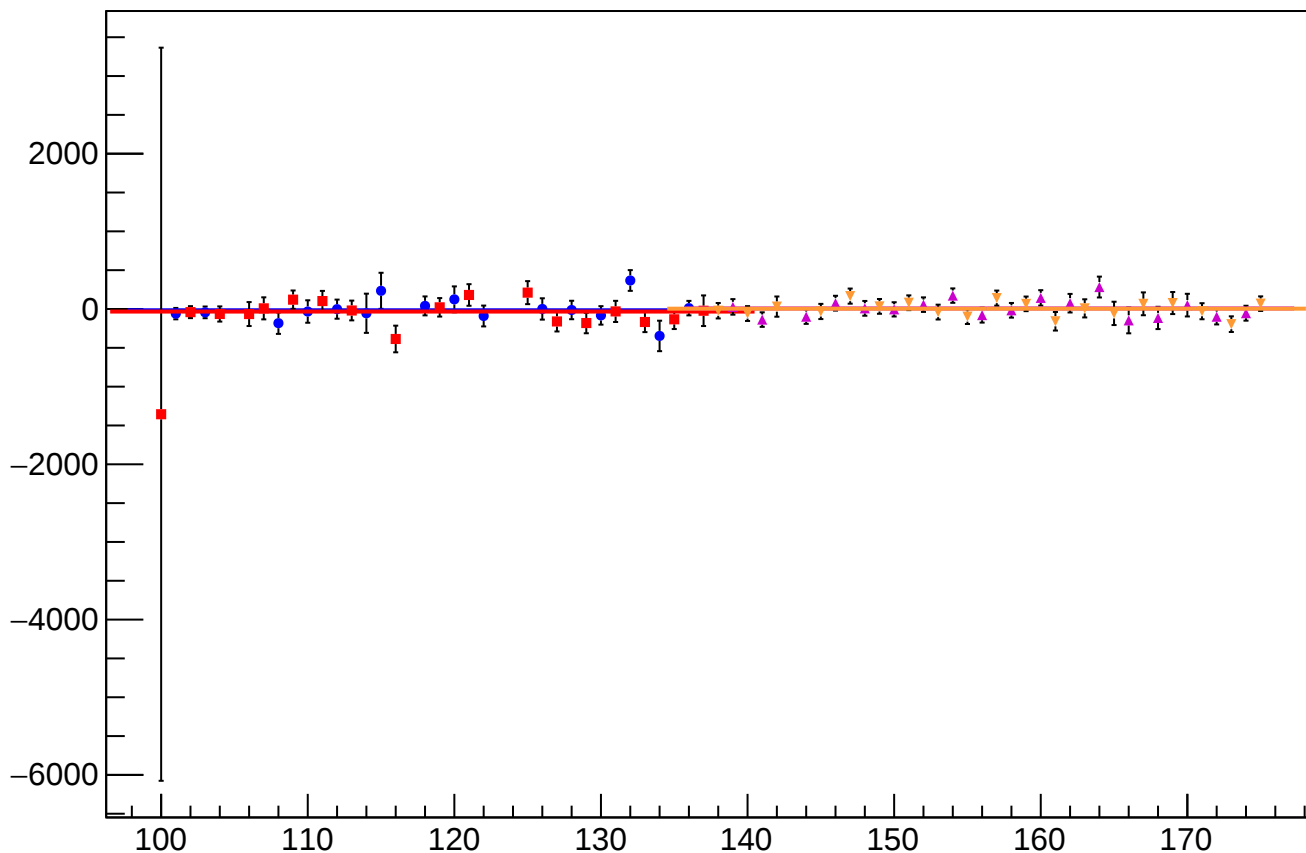
Left In: 1.463 $\pm$ 0.000 χ^2 /NDF: 984096.1/17

+ sign 1.291 $\pm$ 0.000 χ^2 /NDF: 1676291.7/34

All: 1.331 $\pm$ 0.000 χ^2 /NDF: 3445023.2/70

- sign 1.374 $\pm$ 0.000 χ^2 /NDF: 1703987.9/35

asym_ds_avg_mean vs Slug



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

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

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

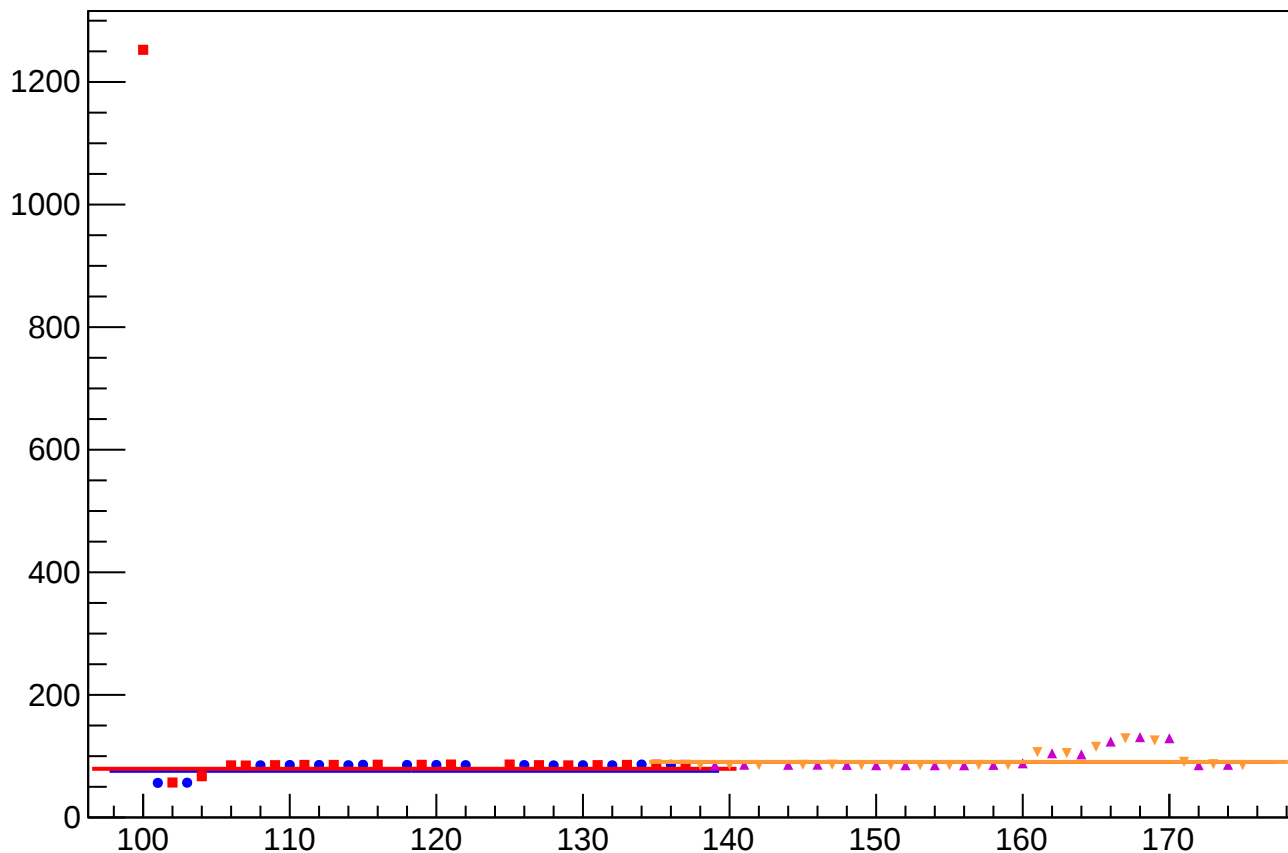
Left In: 6.781 ± 24.353 χ^2/NDF : 18.1/17

+ sign -3.889 ± 18.765 χ^2/NDF : 31.0/34

All: -6.301 ± 13.358 χ^2/NDF : 66.8/70

- sign -8.779 ± 19.020 χ^2/NDF : 35.7/35

asym_ds_avg_rms vs Slug



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

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

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

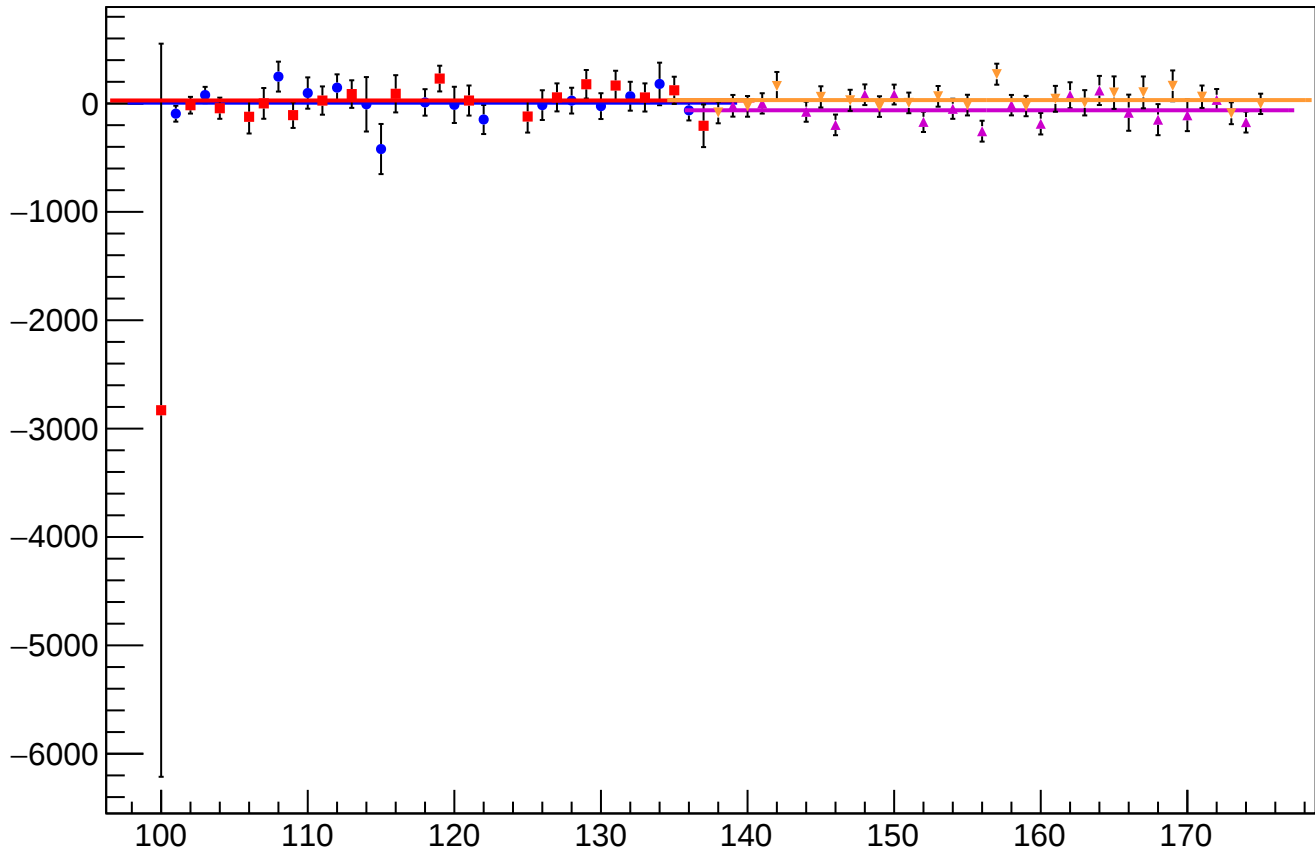
Left In: 90.485+/-0.017 χ^2/NDF : 490915.2/17

+ sign 84.925+/-0.013 χ^2/NDF : 1140574.5/34

All: 85.534+/-0.009 χ^2/NDF : 2182614.0/70

- sign 86.159+/-0.013 χ^2/NDF : 1037775.4/35

reg_asym_ds_dd_mean vs Slug



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

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

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

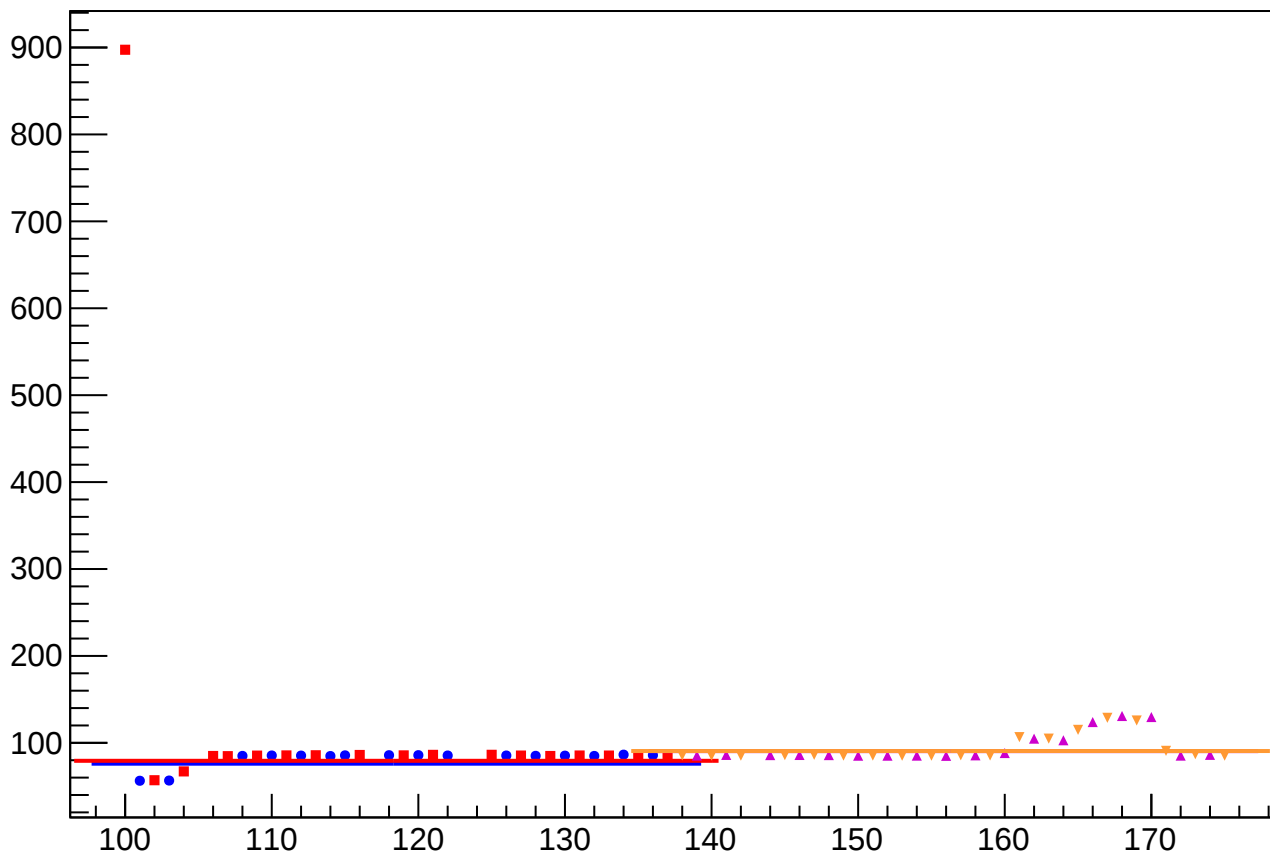
Left In: -62.629 ± 24.353 χ^2/NDF : 20.5/17

+ sign 22.009 ± 18.756 χ^2/NDF : 27.4/34

All: -2.296 ± 13.353 χ^2/NDF : 69.1/70

- sign -27.273 ± 19.013 χ^2/NDF : 38.4/35

reg_asym_ds_dd_rms vs Slug



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

Left Out: 90.579 $\pm$ 0.017 χ^2 /NDF: 445370.7/18

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

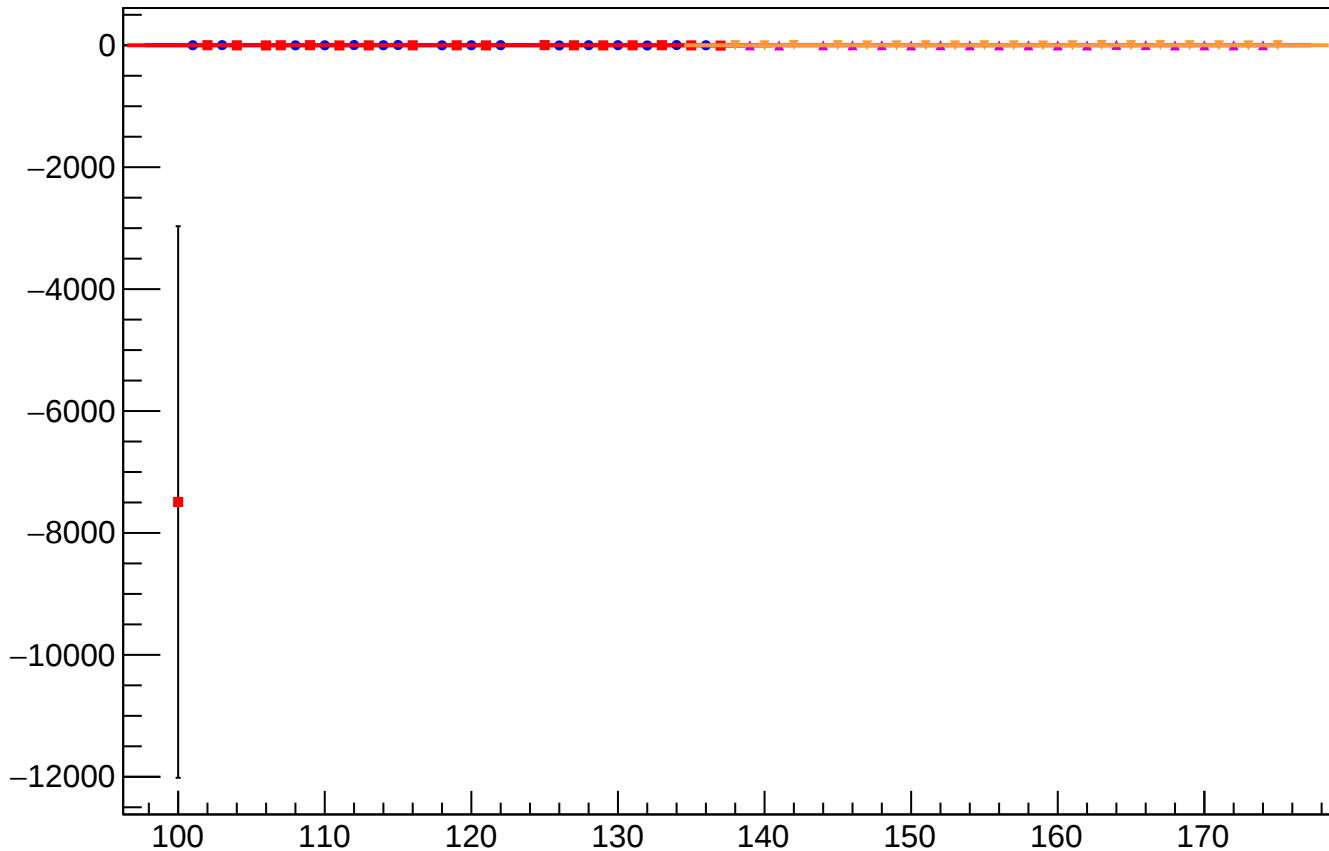
Left In: 90.482 $\pm$ 0.017 χ^2 /NDF: 493057.8/17

+ sign 84.881 $\pm$ 0.013 χ^2 /NDF: 1140943.3/34

All: 85.498 $\pm$ 0.009 χ^2 /NDF: 2180164.5/70

- sign 86.132 $\pm$ 0.013 χ^2 /NDF: 1034832.6/35

asym_ds_dd_correction_mean vs Slug



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

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

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

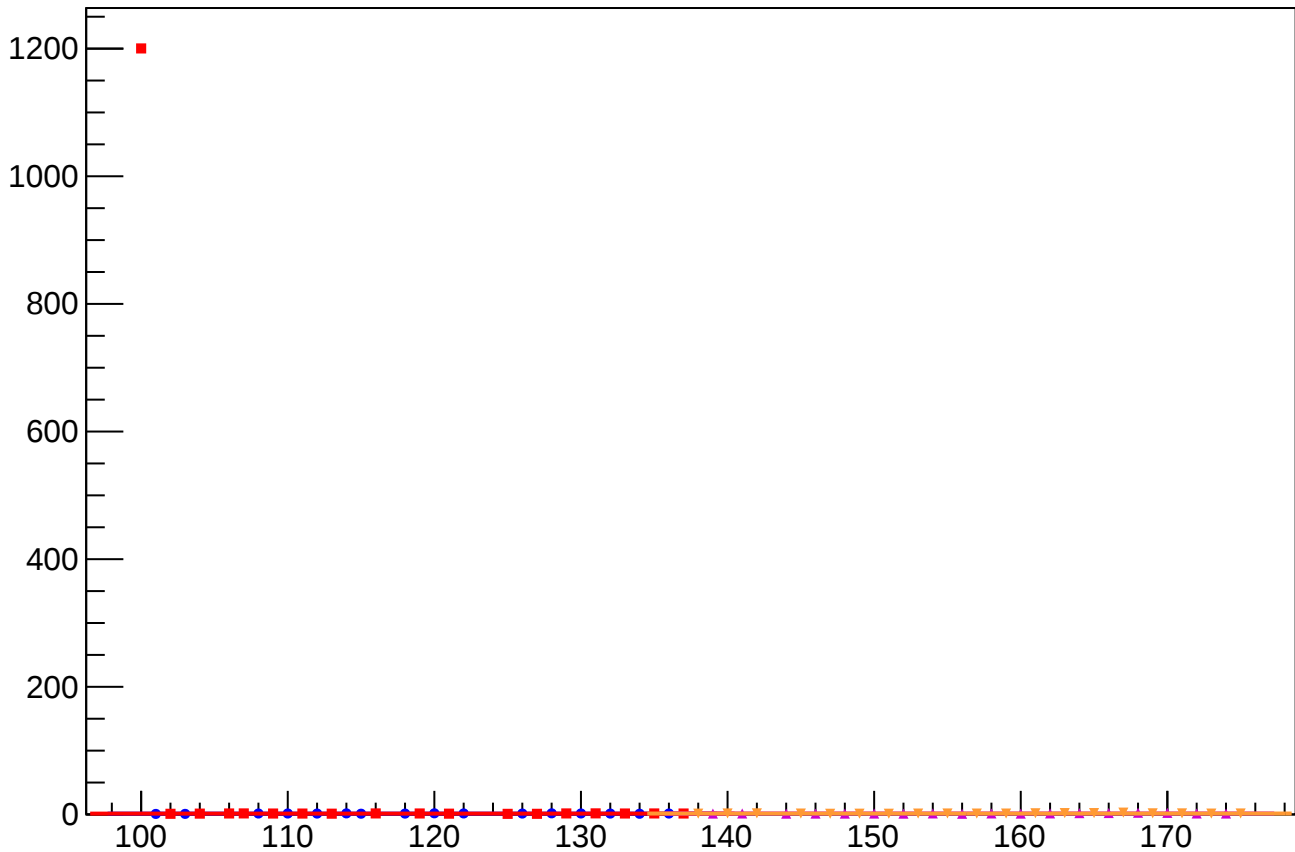
Left In: -0.052 ± 0.437 χ^2/NDF : 15.7/17

+ sign 0.164 ± 0.334 χ^2/NDF : 32.9/34

All: 0.009 ± 0.239 χ^2/NDF : 61.7/70

- sign -0.154 ± 0.342 χ^2/NDF : 28.4/35

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.446 $\pm$ 0.000 χ^2 /NDF:1045948.9/18

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

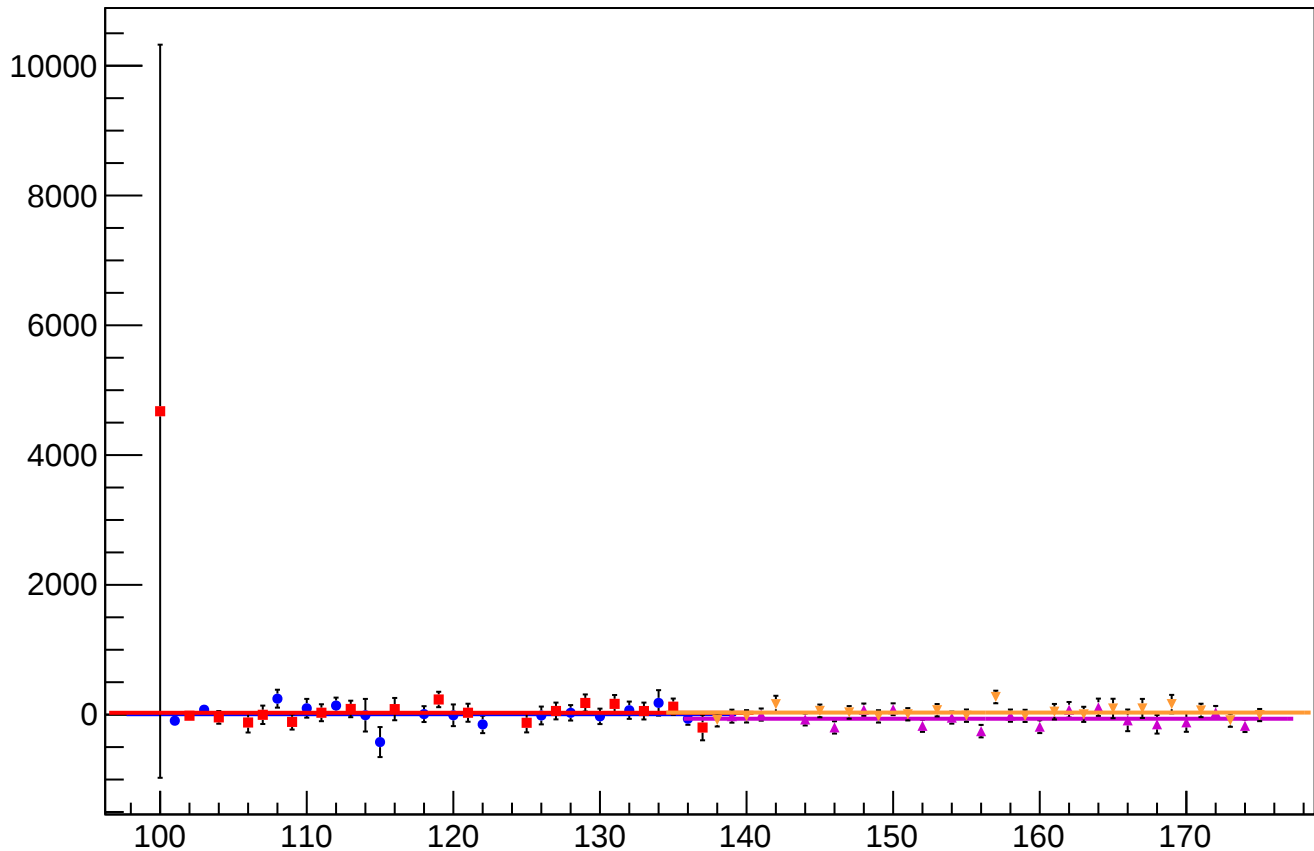
Left In: 1.462 $\pm$ 0.000 χ^2 /NDF:929640.1/17

+ sign 1.364 $\pm$ 0.000 χ^2 /NDF: 1889376.4/34

All: 1.384 $\pm$ 0.000 χ^2 /NDF: 3440411.9/70

- sign 1.406 $\pm$ 0.000 χ^2 /NDF: 1535784.2/35

asym_ds_dd_mean vs Slug



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

Left Out: 31.949 ± 24.055 χ^2/NDF : 13.0/18

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

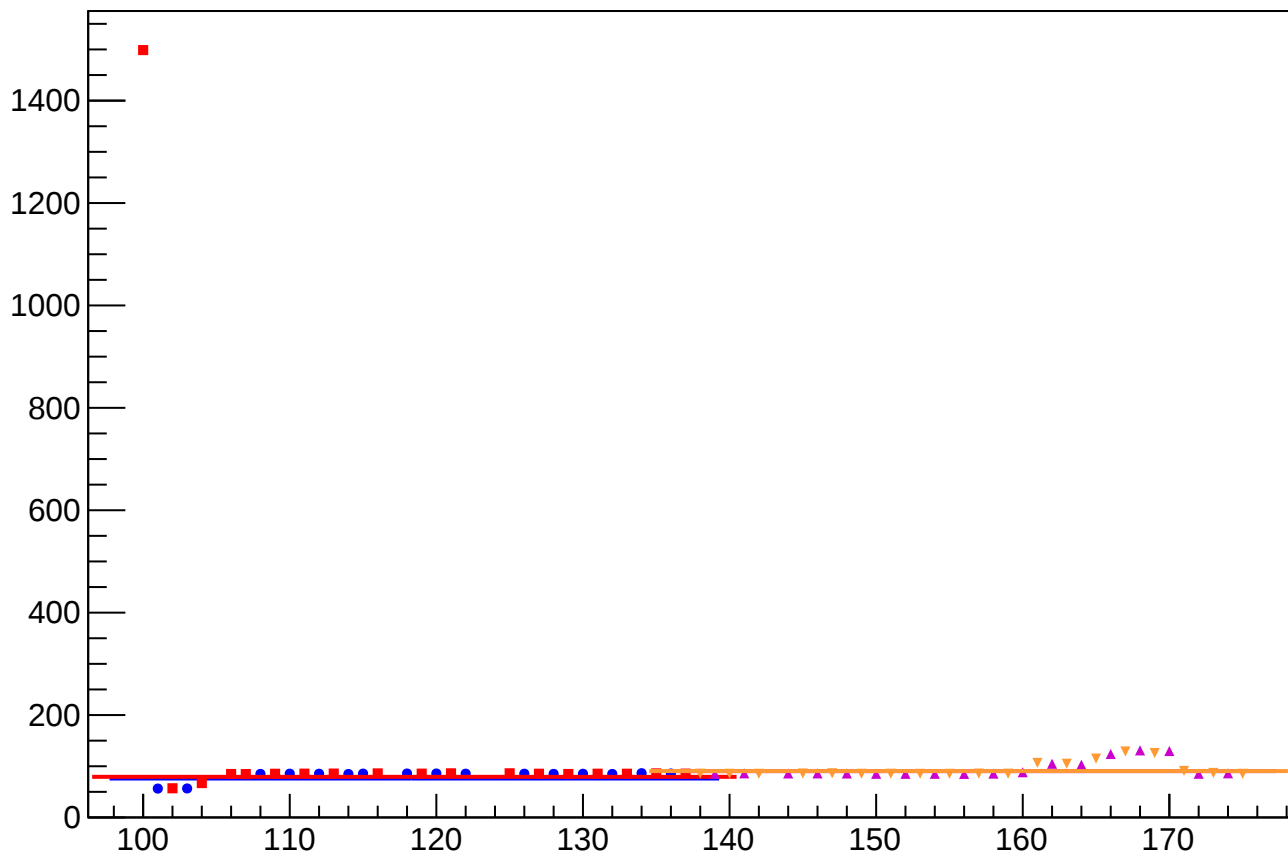
Left In: -63.170 ± 24.361 χ^2/NDF : 20.1/17

+ sign 22.091 ± 18.762 χ^2/NDF : 27.2/34

All: -2.295 ± 13.357 χ^2/NDF : 69.0/70

- sign -27.355 ± 19.019 χ^2/NDF : 38.3/35

asym_ds_dd_rms vs Slug



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

Left Out: 90.606 $\pm$ 0.017 χ^2 /NDF: 446110.5/18

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

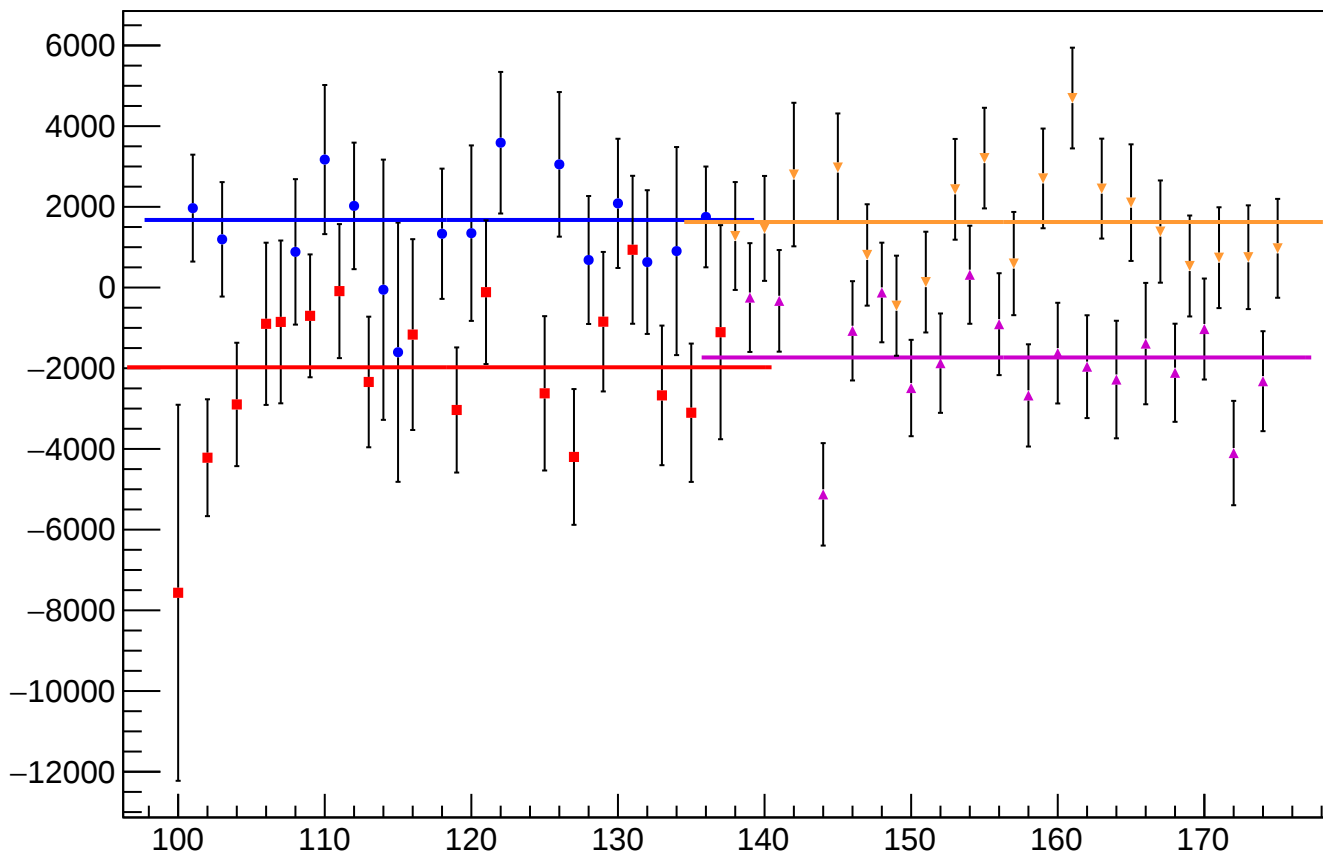
Left In: 90.509 $\pm$ 0.017 χ^2 /NDF: 493862.8/17

+ sign 84.905 $\pm$ 0.013 χ^2 /NDF: 1141816.9/34

All: 85.518 $\pm$ 0.009 χ^2 /NDF: 2191824.1/70

- sign 86.147 $\pm$ 0.013 χ^2 /NDF: 1045685.4/35

reg_asym_usl_mean vs Slug



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

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

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

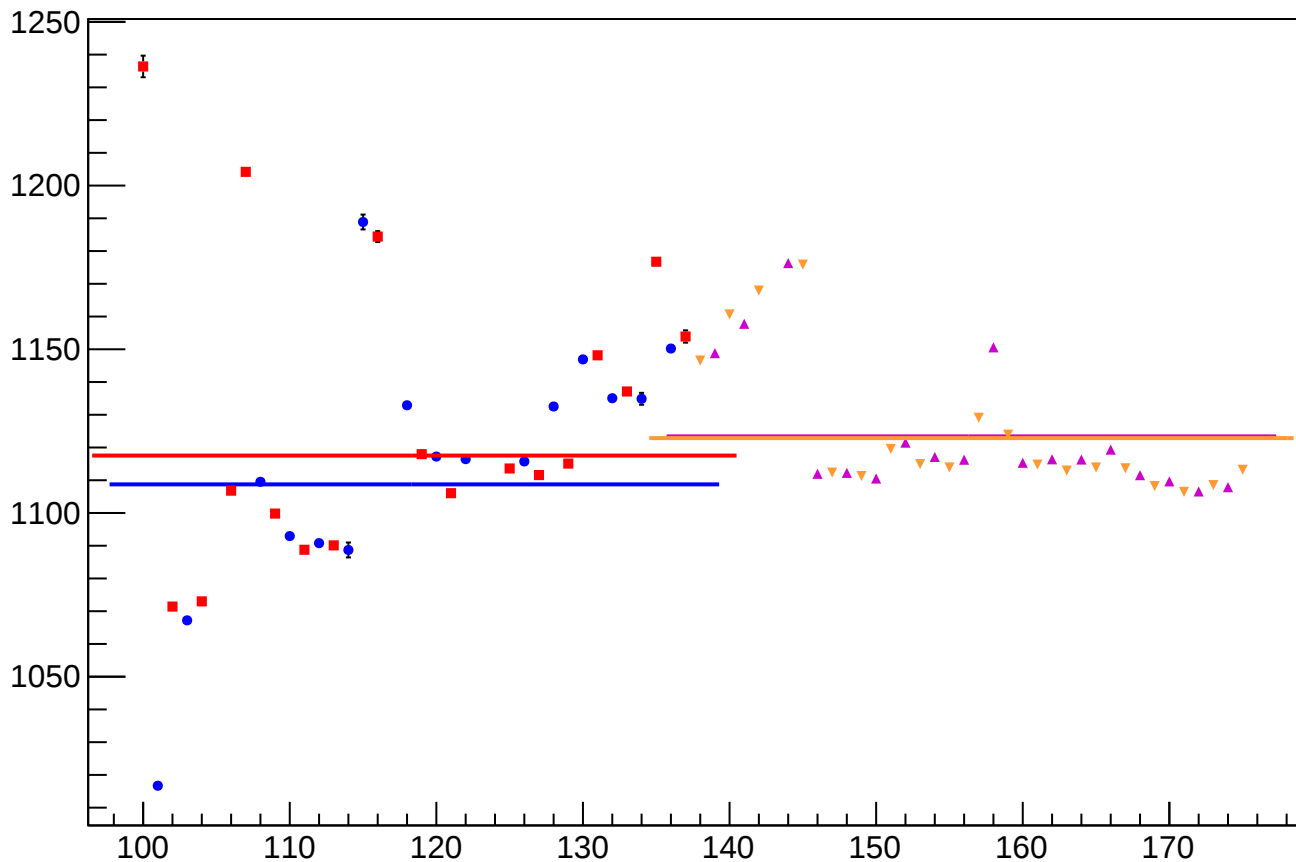
Left In: -1732.833 $\pm$ 299.590 χ^2 /NDF:20.1/17

+ sign 1640.396 $\pm$ 243.693 χ^2 /NDF: 23.4/34

All: -82.185 $\pm$ 172.555 χ^2 /NDF: 157.9/70

- sign -1814.315 $\pm$ 244.367 χ^2 /NDF: 34.3/35

reg_asym_usl_rms vs Slug



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

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

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

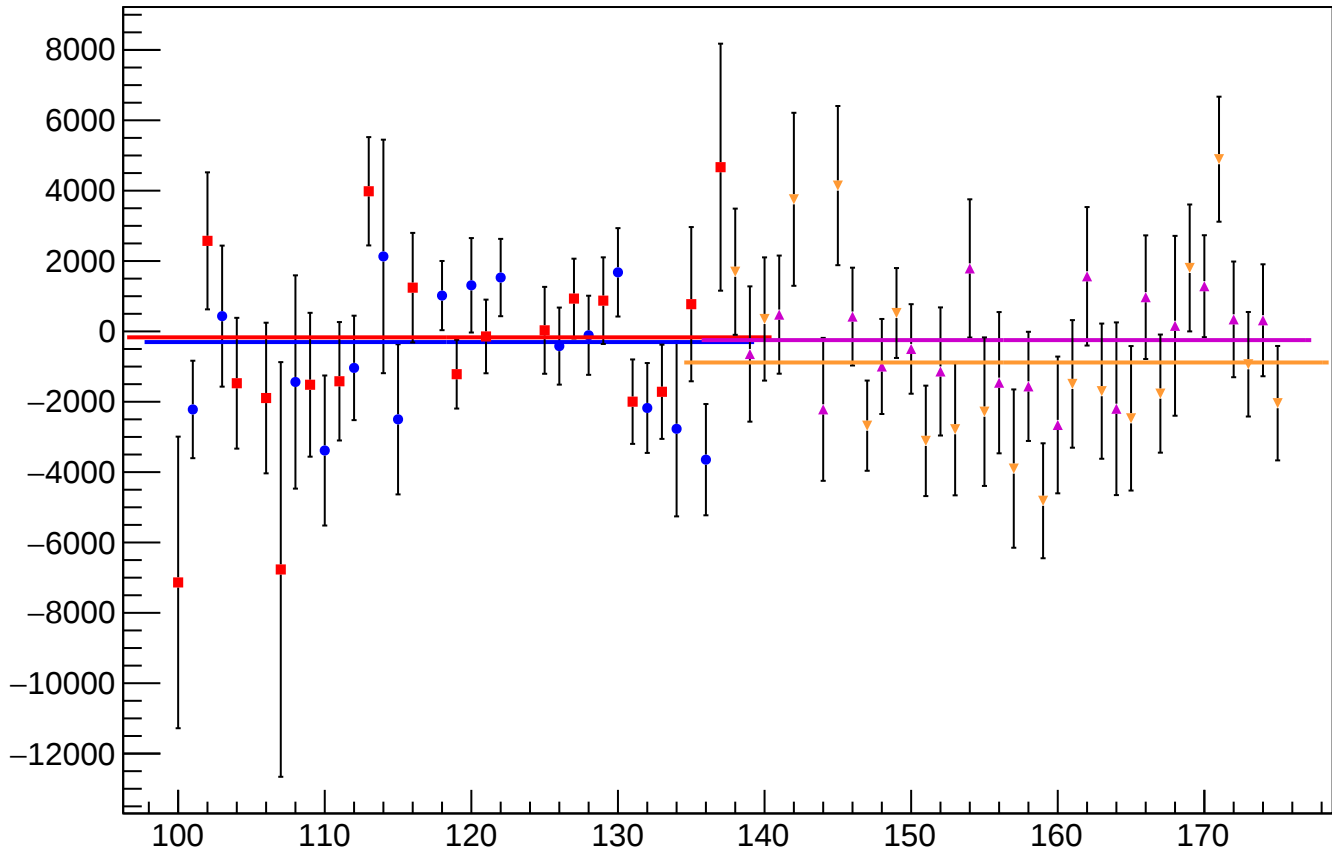
Left In: 1123.397 $\pm$ 0.212 χ^2 /NDF: 8576.9/17

+ sign 1118.341 $\pm$ 0.172 χ^2 /NDF: 28221.9/34

All: 1119.884 $\pm$ 0.122 χ^2 /NDF: 52730.8/70

- sign 1121.436 $\pm$ 0.173 χ^2 /NDF: 24348.0/35

asym_usl_correction_mean vs Slug



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

Left Out: -883.694 ± 397.578 χ^2/NDF : 39.8/18

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

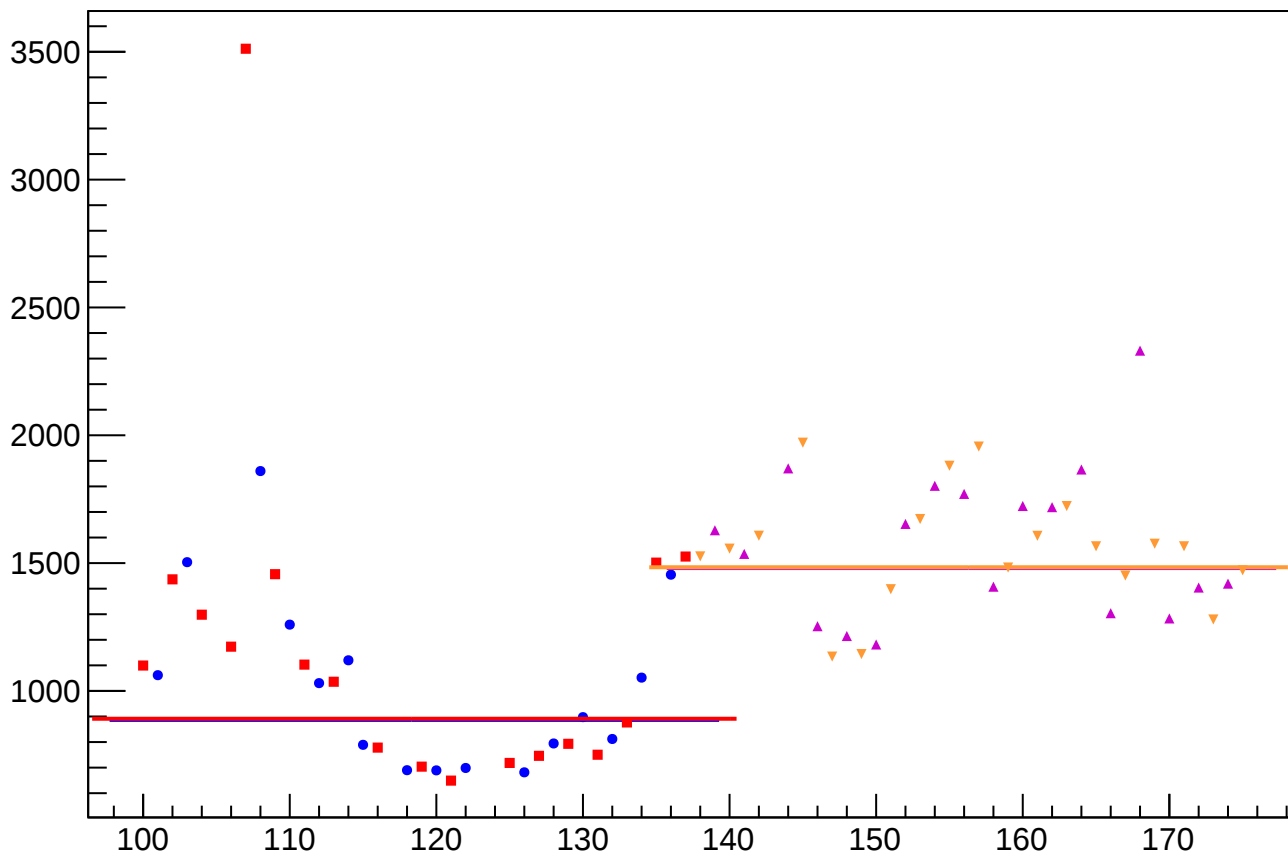
Left In: -247.793 ± 402.183 χ^2/NDF : 9.0/17

+ sign -564.853 ± 266.885 χ^2/NDF : 63.2/34

All: -384.058 ± 188.640 χ^2/NDF : 98.1/70

- sign -203.556 ± 266.669 χ^2/NDF : 33.9/35

asym_usl_correction_rms vs Slug



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

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

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

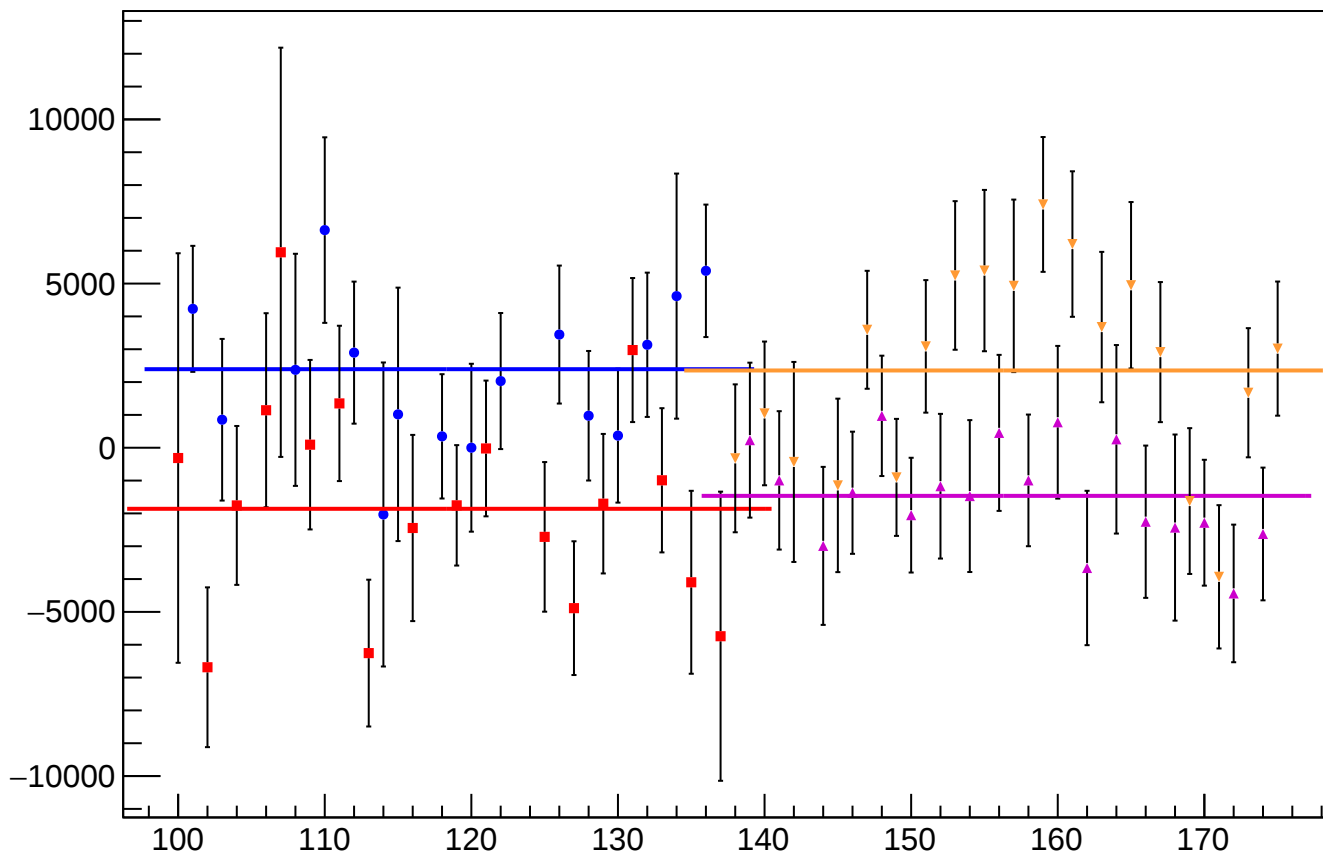
Left In: 1480.623+/-0.284 χ^2/NDF : 842582.9/17

+ sign 1155.743+/-0.189 χ^2/NDF : 4207698.5/34

All: 1153.035+/-0.133 χ^2/NDF : 8872057.0/70

- sign 1150.332+/-0.189 χ^2/NDF : 4663947.2/35

asym_usl_mean vs Slug



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

Left Out: 2353.270 $\pm$ 503.098 χ^2 /NDF:34.7/18

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

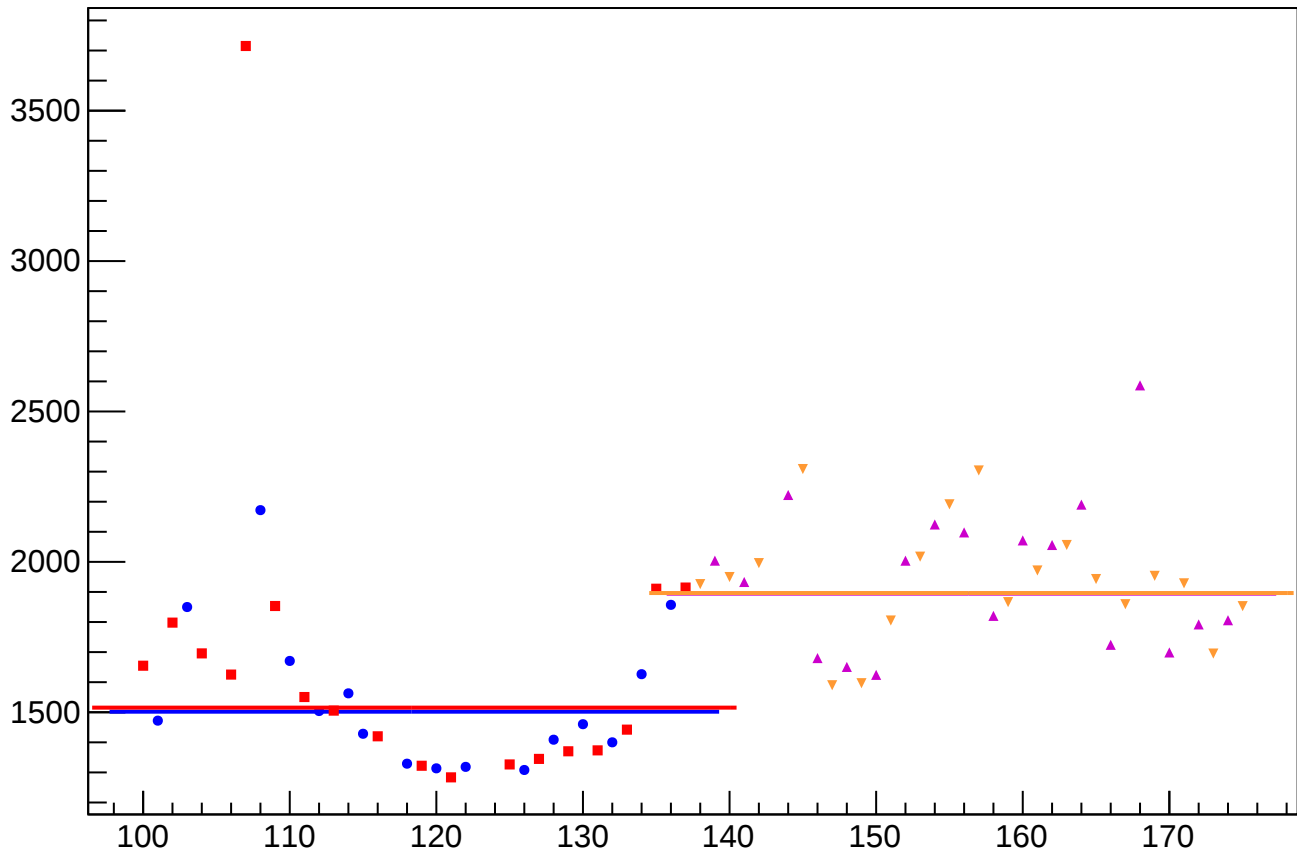
Left In: -1465.686 $\pm$ 509.484 χ^2 /NDF:8.5/17

+ sign 2369.770 $\pm$ 382.542 χ^2 /NDF: 45.9/34

All: 372.609 $\pm$ 270.896 χ^2 /NDF: 131.8/70

- sign -1636.331 $\pm$ 383.669 χ^2 /NDF: 31.3/35

asym_usl_rms vs Slug



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

Left Out: 1896.396+/-0.356 χ^2/NDF : 291310.5/18

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

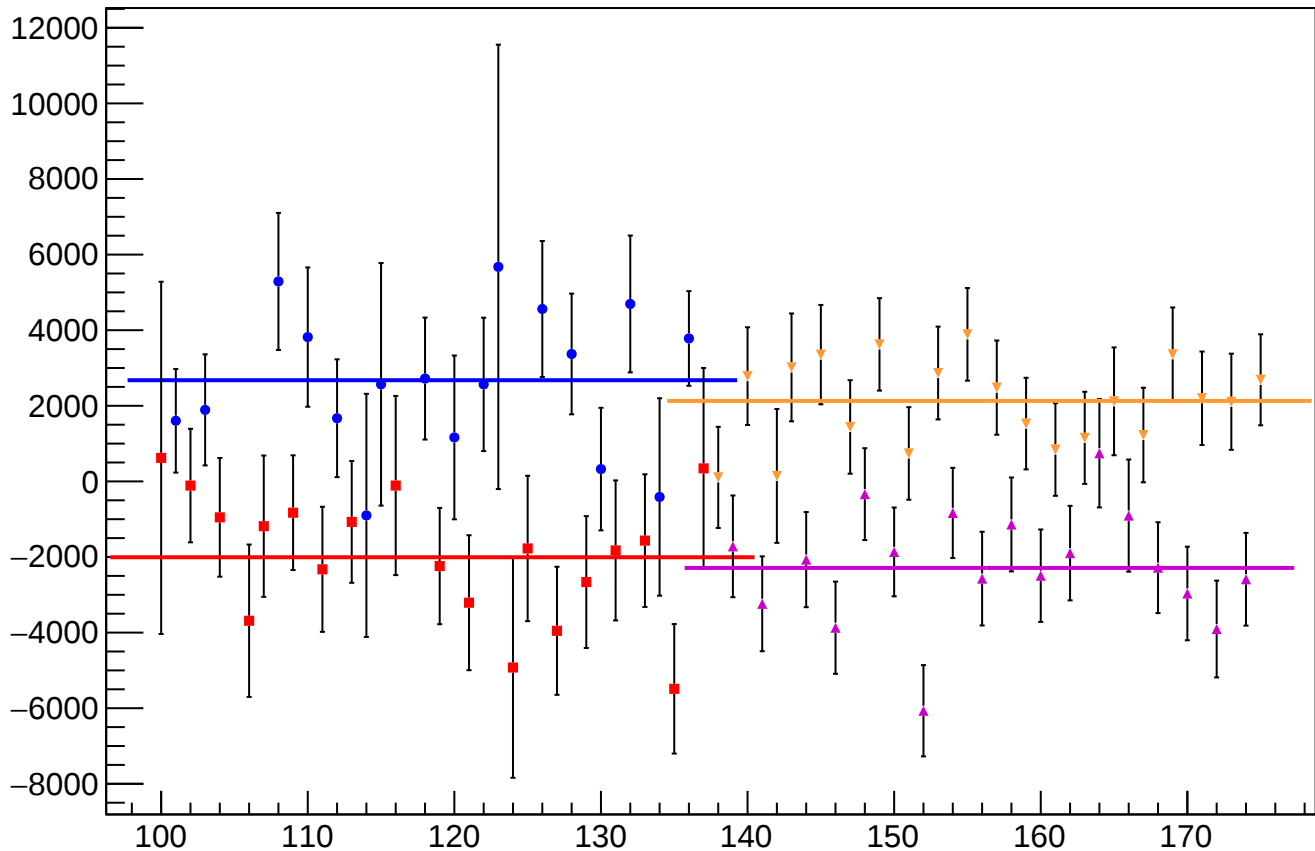
Left In: 1894.327+/-0.360 χ^2/NDF : 395679.3/17

+ sign 1730.000+/-0.270 χ^2/NDF : 1064504.0/34

All: 1730.143+/-0.192 χ^2/NDF : 2418865.2/70

- sign 1730.288+/-0.271 χ^2/NDF : 1354360.6/35

reg_asym_usr_mean vs Slug



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

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

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

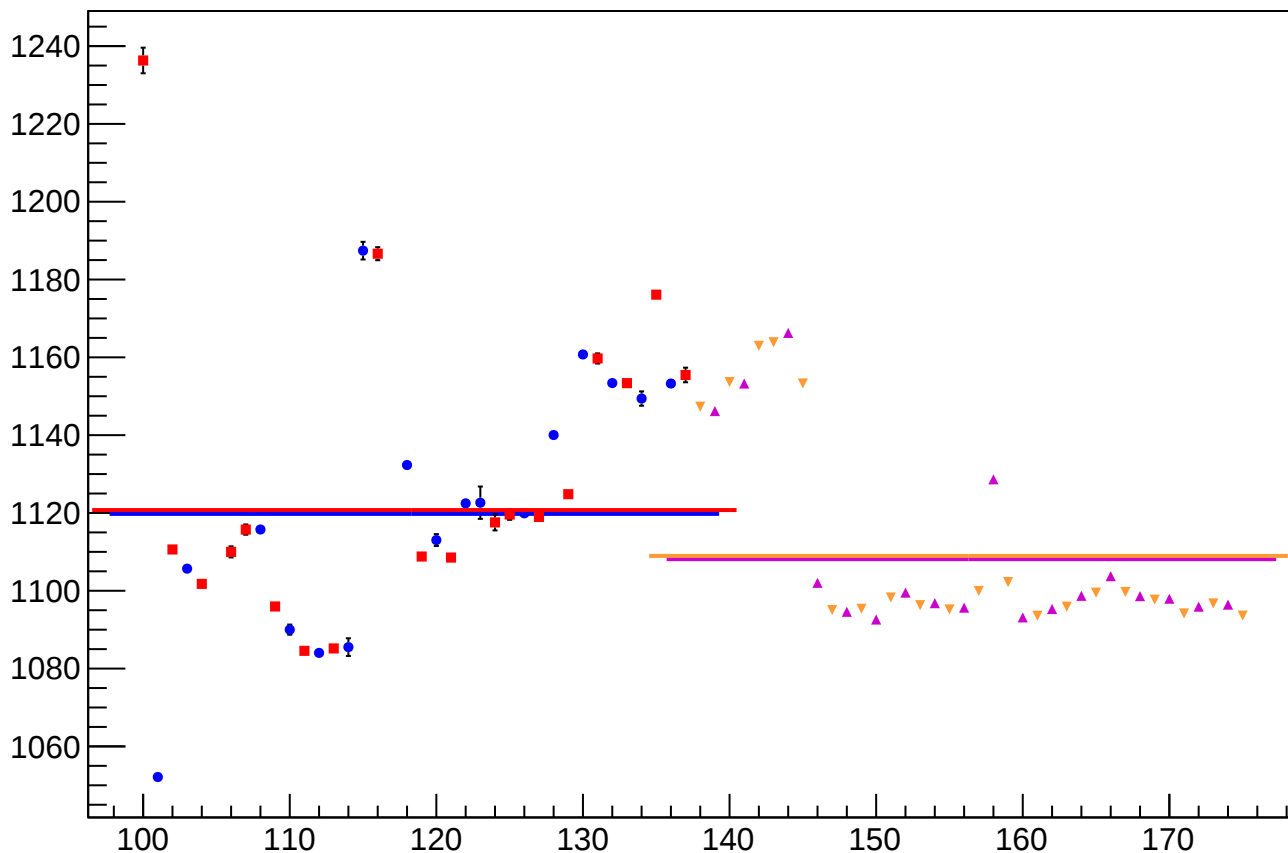
Left In: -2288.603 $\pm$ 295.534 χ^2 /NDF:24.8/17

+ sign 2294.876 $\pm$ 238.415 χ^2 /NDF: 28.1/36

All: 79.156 $\pm$ 169.677 χ^2 /NDF: 241.0/73

- sign -2194.958 $\pm$ 241.536 χ^2 /NDF: 37.9/36

reg_asym_usr_rms vs Slug



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

Left Out: 1108.959+/-0.202 χ^2/NDF : 14118.3/19

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

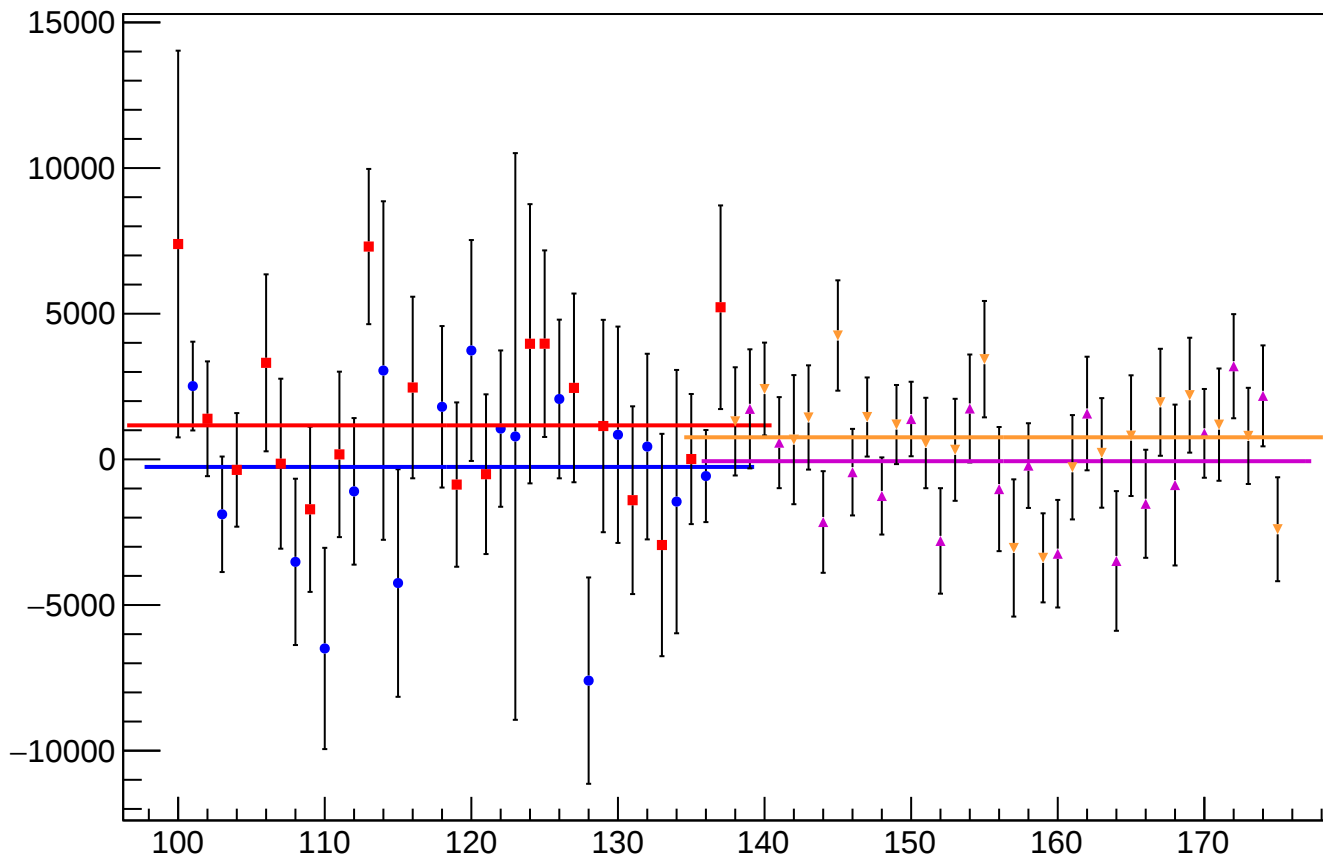
Left In: 1108.130+/-0.209 χ^2/NDF : 11370.5/17

+ sign 1112.225+/-0.169 χ^2/NDF : 26861.3/36

All: 1112.272+/-0.120 χ^2/NDF : 49376.2/73

- sign 1112.319+/-0.171 χ^2/NDF : 22514.8/36

asym_usr_correction_mean vs Slug



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

Left Out: 758.180 ± 392.418 χ^2/NDF : 21.4/19

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

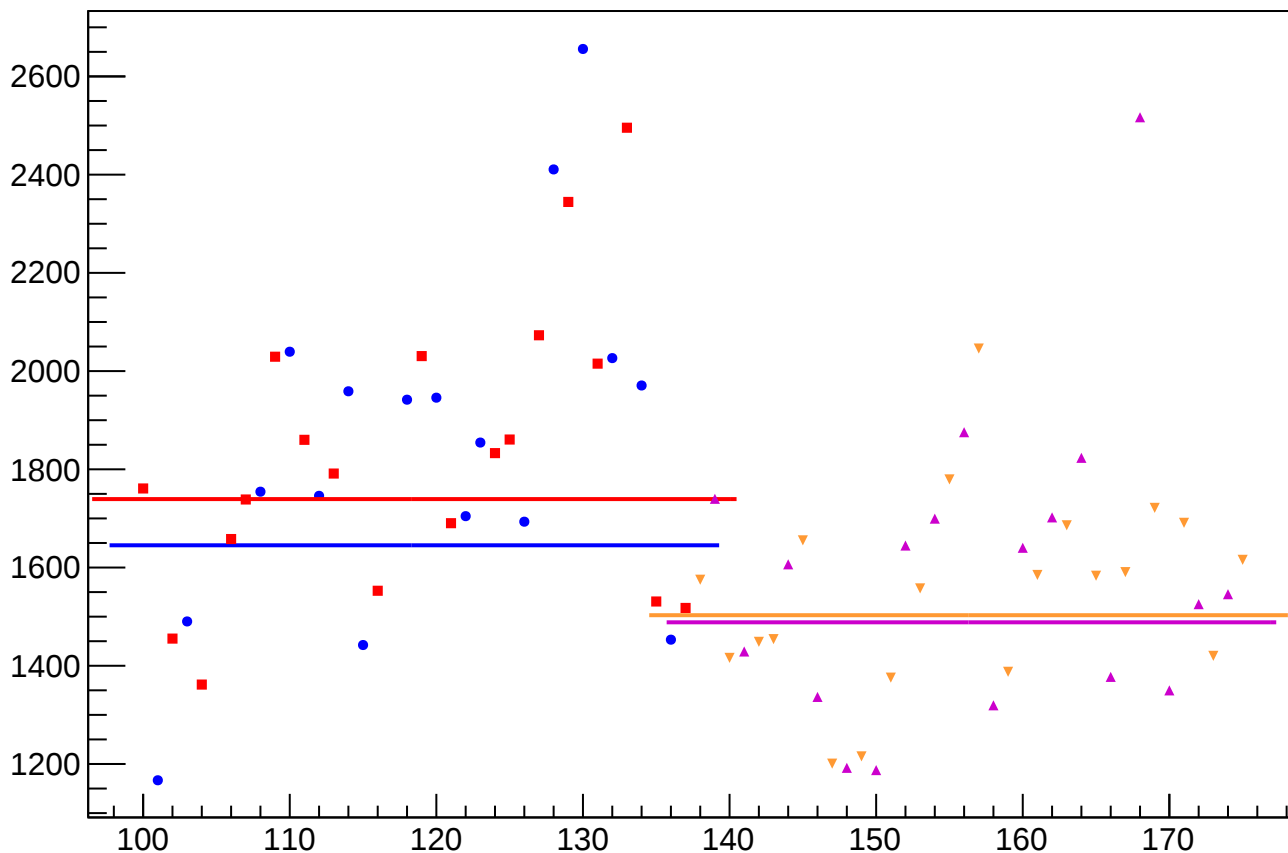
Left In: -62.696 ± 403.872 χ^2/NDF : 19.8/17

+ sign 489.462 ± 336.665 χ^2/NDF : 40.4/36

All: 382.701 ± 240.895 χ^2/NDF : 77.4/73

- sign 270.696 ± 344.836 χ^2/NDF : 36.7/36

asym_usr_correction_rms vs Slug



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

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

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

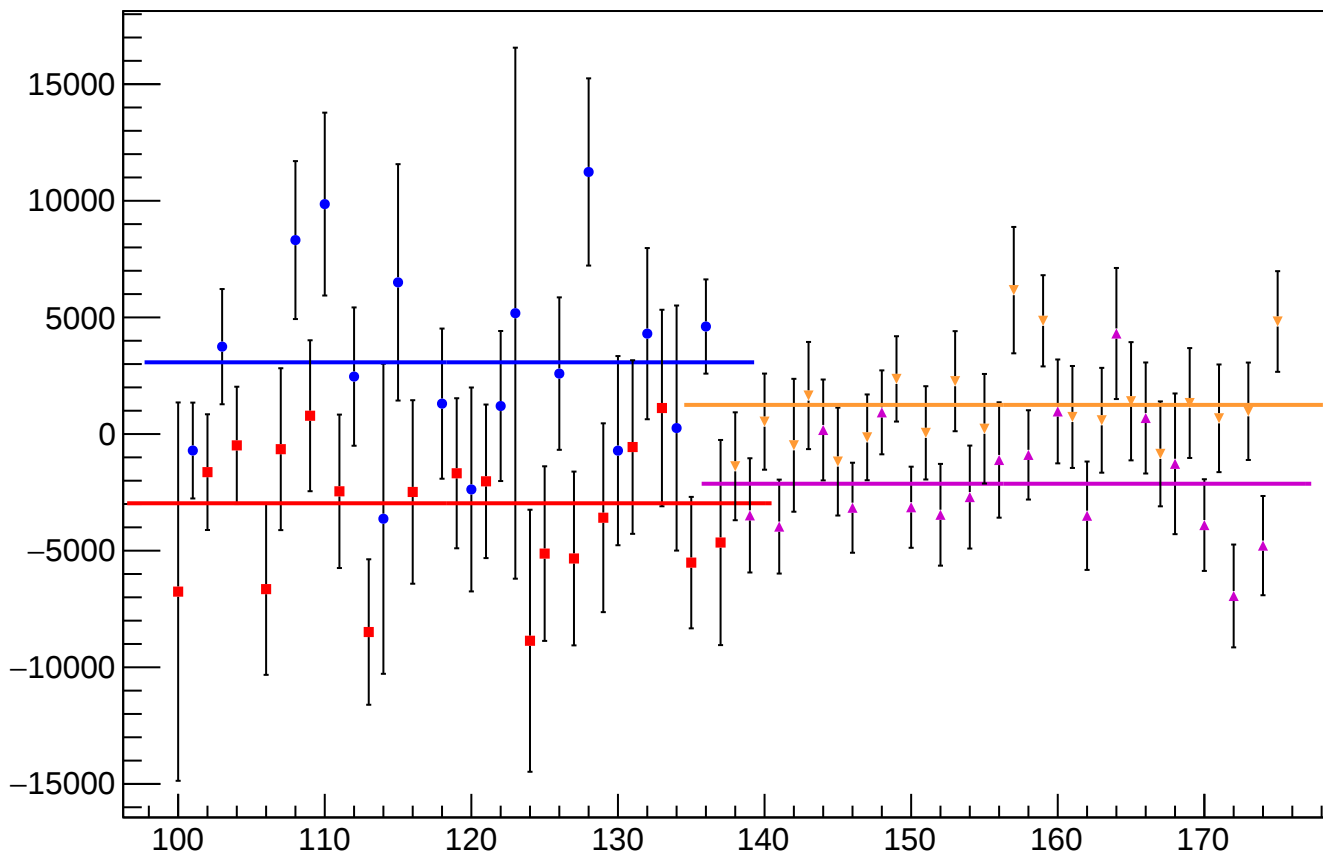
Left In: 1488.473+/-0.286 χ^2/NDF : 788730.6/17

+ sign 1540.532+/-0.238 χ^2/NDF : 1142346.8/36

All: 1548.308+/-0.170 χ^2/NDF : 2513455.9/73

- sign 1556.466+/-0.244 χ^2/NDF : 1368922.8/36

asym_usr_mean vs Slug



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

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

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

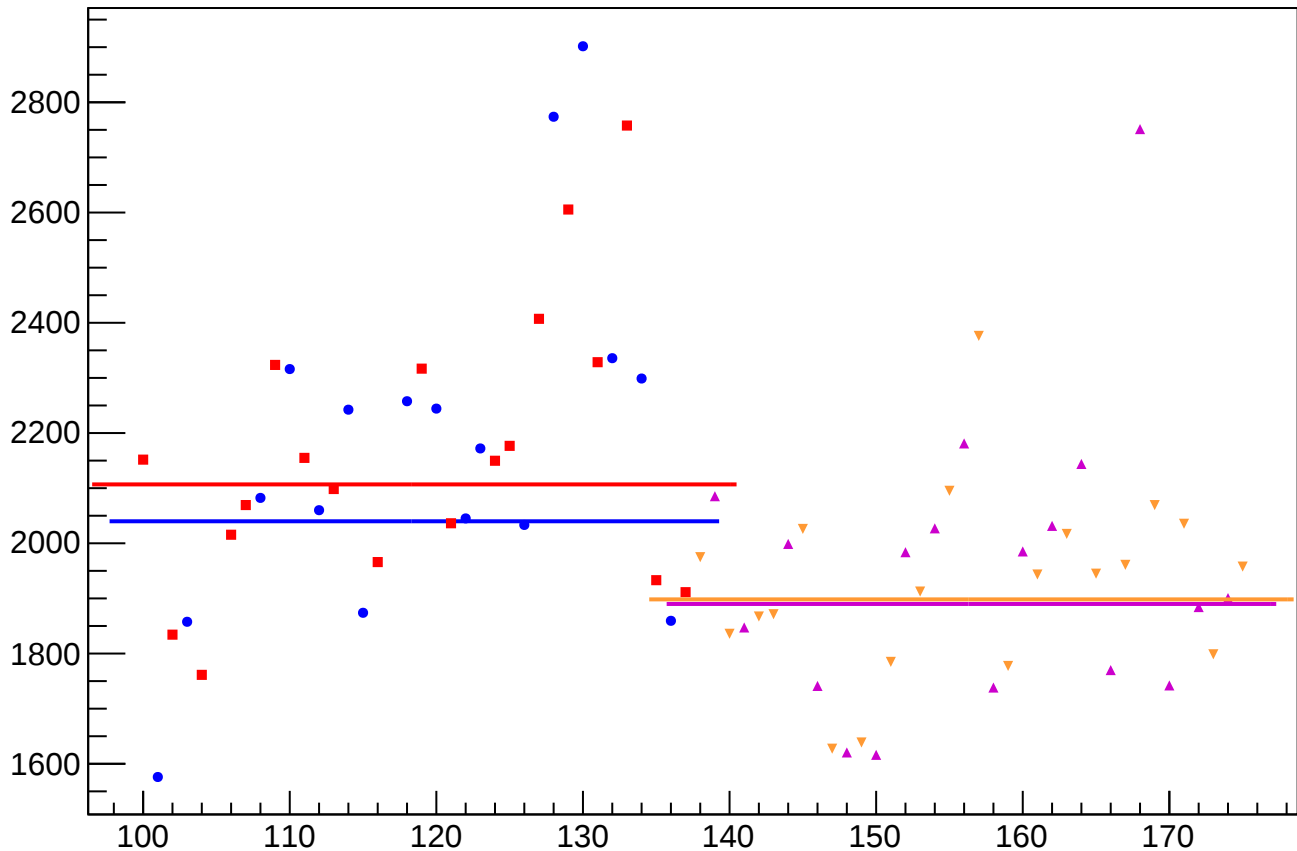
Left In: -2130.401 $\pm$ 508.148 χ^2 /NDF:23.0/17

+ sign 1748.405 $\pm$ 419.244 χ^2 /NDF: 37.5/36

All: -268.439 $\pm$ 299.586 χ^2 /NDF: 120.5/73

- sign -2372.936 $\pm$ 428.258 χ^2 /NDF: 35.6/36

asym_usr_rms vs Slug



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

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

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

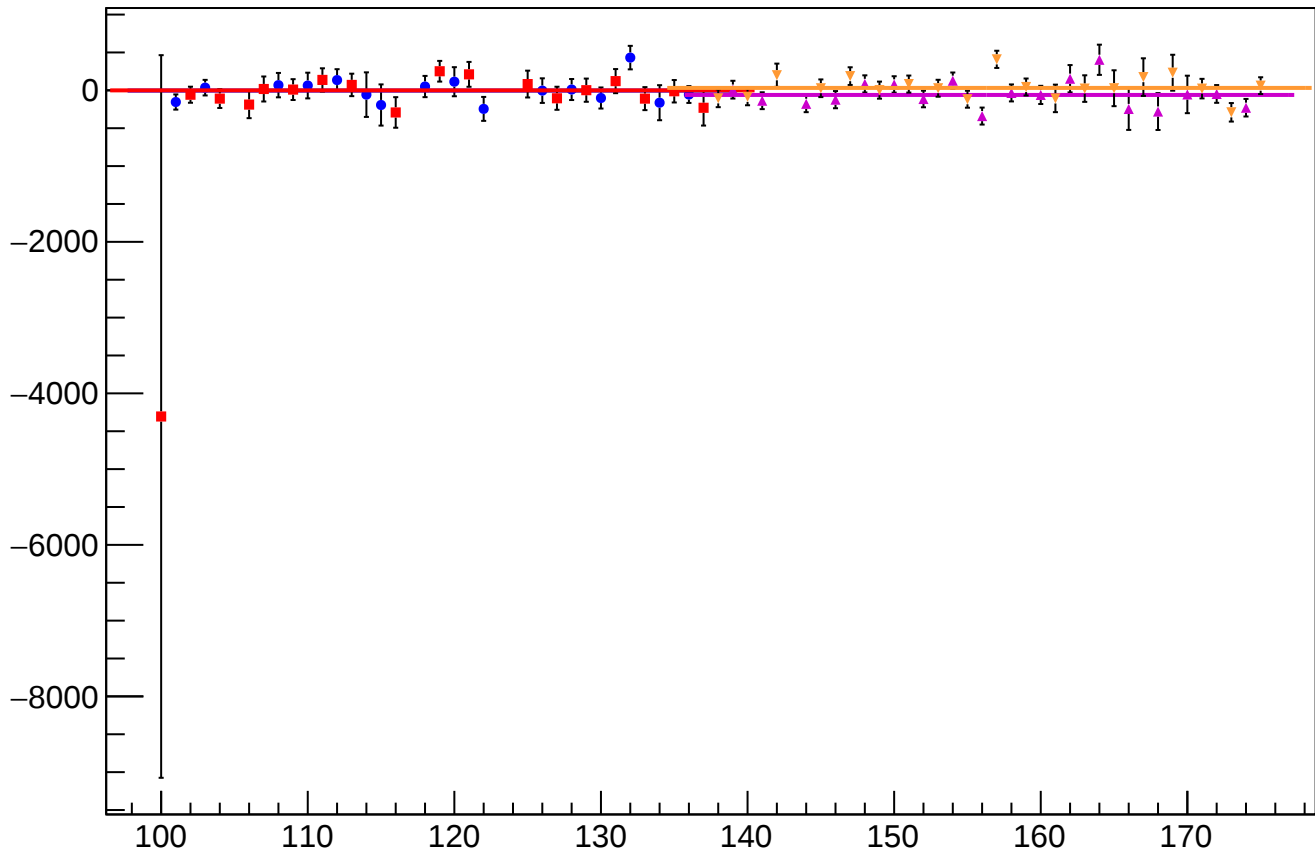
Left In: 1889.936 $\pm$ 0.359 χ^2 /NDF:383727.2/17

+ sign 1936.947 $\pm$ 0.296 χ^2 /NDF: 594451.8/36

All: 1944.693 $\pm$ 0.212 χ^2 /NDF: 1280591.3/73

- sign 1952.775 $\pm$ 0.303 χ^2 /NDF: 684744.6/36

reg_asym_dsl_mean vs Slug



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

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

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

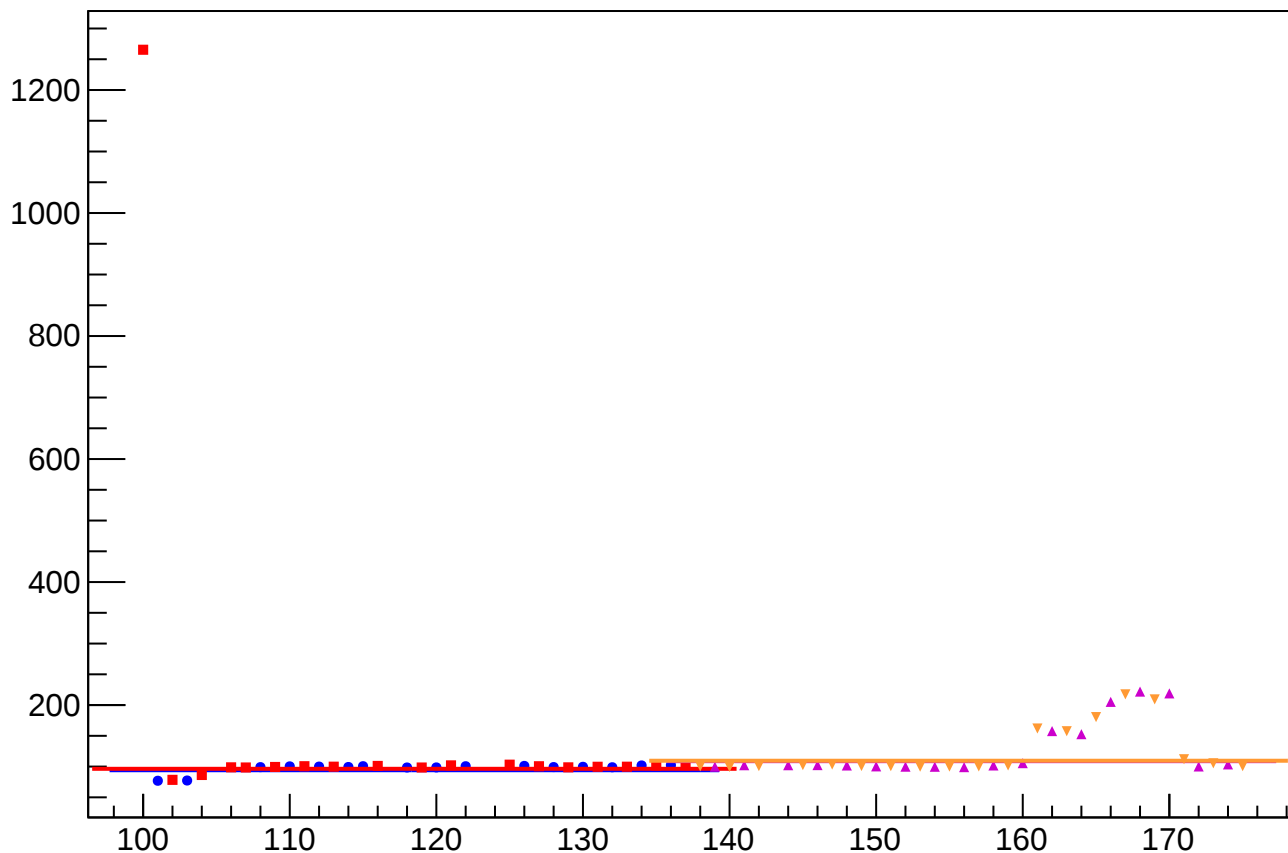
Left In: -60.888 ± 29.826 $\chi^2/\text{NDF}: 25.3/17$

+ sign 18.074 ± 23.041 $\chi^2/\text{NDF}: 43.9/34$

All: -9.268 ± 16.329 $\chi^2/\text{NDF}: 87.6/70$

- sign -36.862 ± 23.146 $\chi^2/\text{NDF}: 40.9/35$

reg_asym_dsl_rms vs Slug



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

Left Out: 109.495+/-0.021 χ^2/NDF :1368452.7/18

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

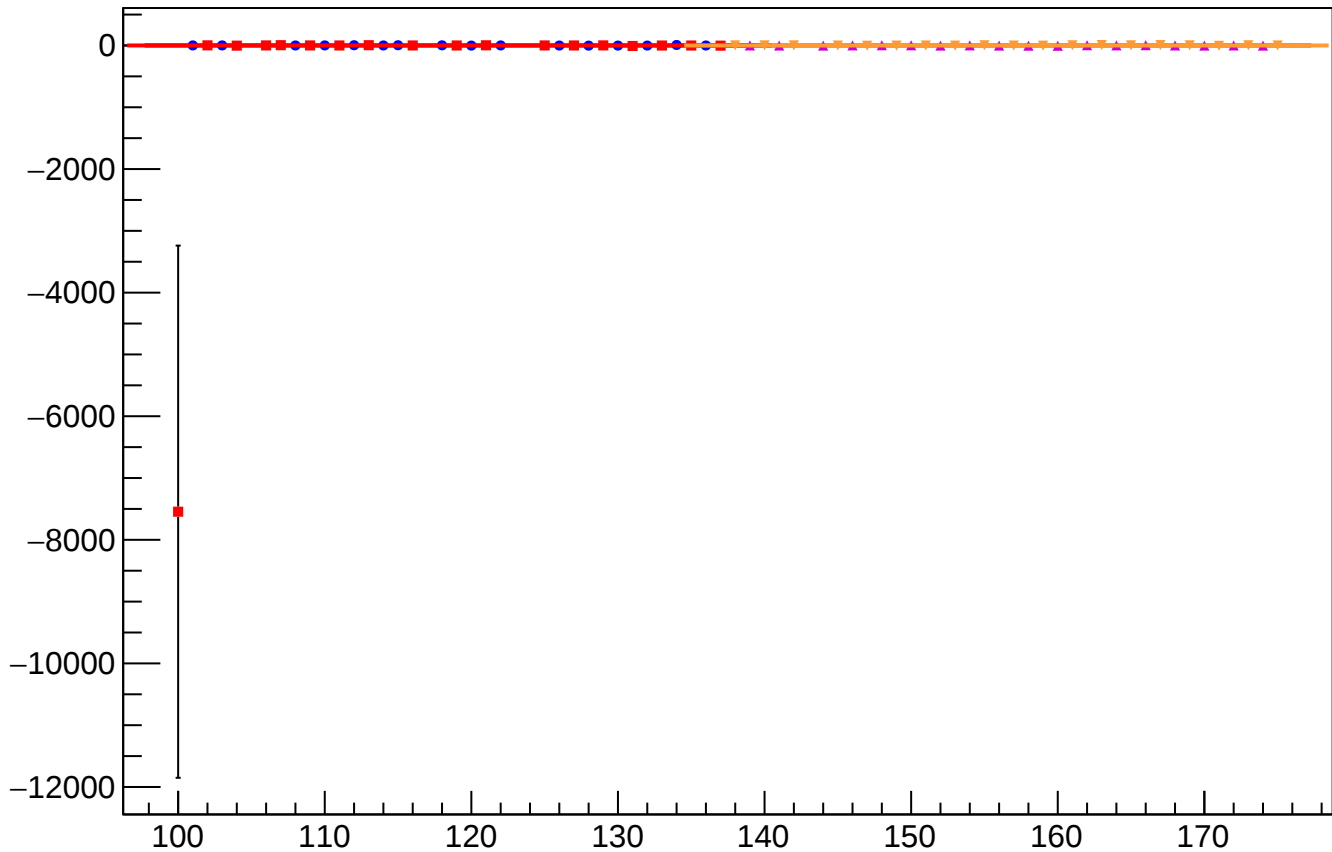
Left In: 108.796+/-0.021 χ^2/NDF :1434260.6/17

+ sign 103.420+/-0.016 χ^2/NDF : 1734794.0/34

All: 103.636+/-0.012 χ^2/NDF : 3516663.0/70

- sign 103.854+/-0.016 χ^2/NDF : 1781515.5/35

asym_dsl_correction_mean vs Slug



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

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

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

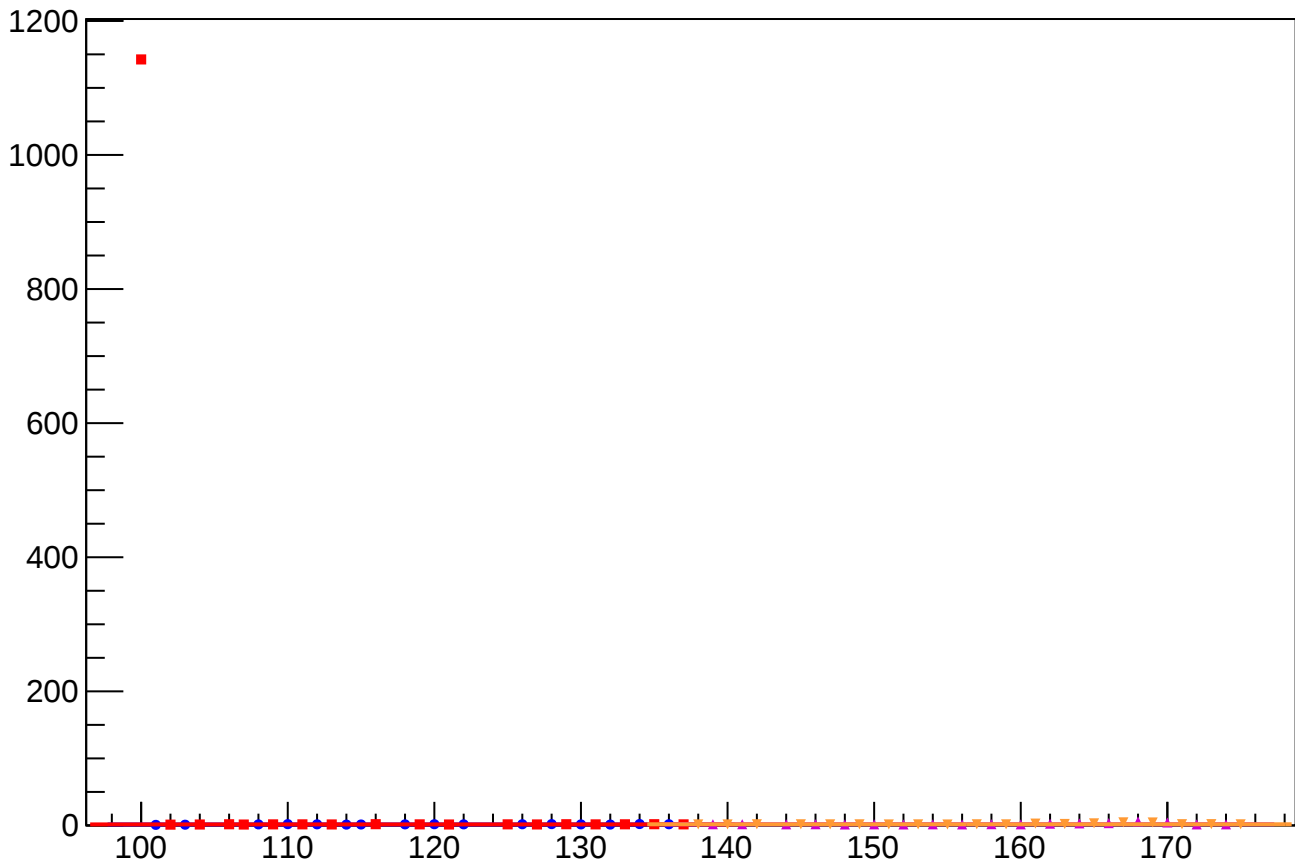
Left In: -0.051 $\pm$ 0.544 χ^2 /NDF: 22.0/17

+ sign -0.041 $\pm$ 0.399 χ^2 /NDF: 37.6/34

All: 0.027 $\pm$ 0.288 χ^2 /NDF: 82.6/70

- sign 0.101 $\pm$ 0.415 χ^2 /NDF: 45.0/35

asym_dsl_correction_rms vs Slug



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

Left Out: 1.744 $\pm$ 0.000 χ^2 /NDF:1483911.0/18

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

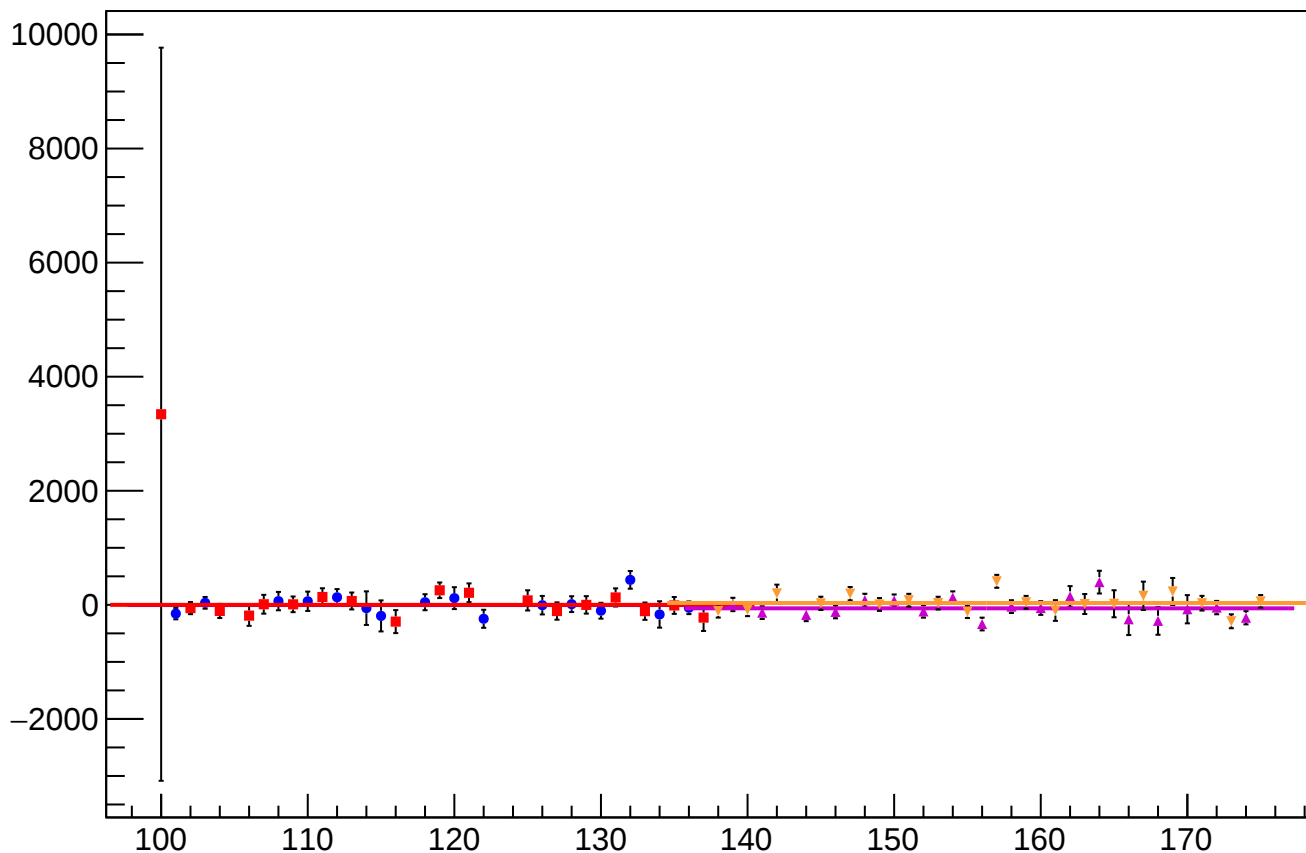
Left In: 1.807 $\pm$ 0.000 χ^2 /NDF:1793439.8/17

+ sign 1.608 $\pm$ 0.000 χ^2 /NDF: 2537751.1/34

All: 1.653 $\pm$ 0.000 χ^2 /NDF: 4879102.2/70

- sign 1.702 $\pm$ 0.000 χ^2 /NDF: 2287941.2/35

asym_dsl_mean vs Slug



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

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

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

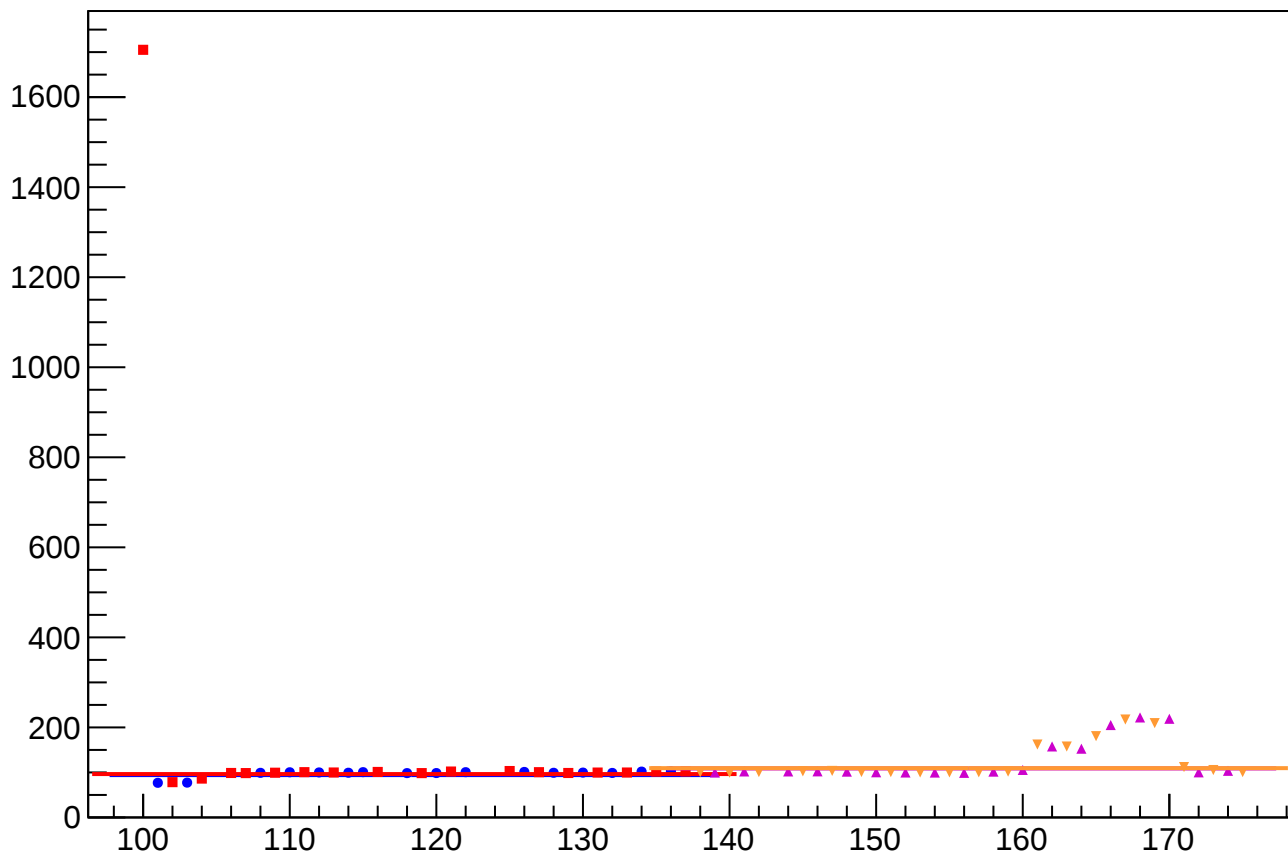
Left In: -60.960 ± 29.835 χ^2/NDF : 24.7/17

+ sign 18.663 ± 23.047 χ^2/NDF : 44.4/34

All: -8.931 ± 16.334 χ^2/NDF : 87.1/70

- sign -36.779 ± 23.153 χ^2/NDF : 39.9/35

asym_dsl_rms vs Slug



Right In: 94.093 $\pm$ 0.026 χ^2 /NDF: 152305.3/15

Left Out: 109.525 $\pm$ 0.021 χ^2 /NDF:1369780.5/18

Right Out: 96.381 $\pm$ 0.026 χ^2 /NDF: 214362.3/17

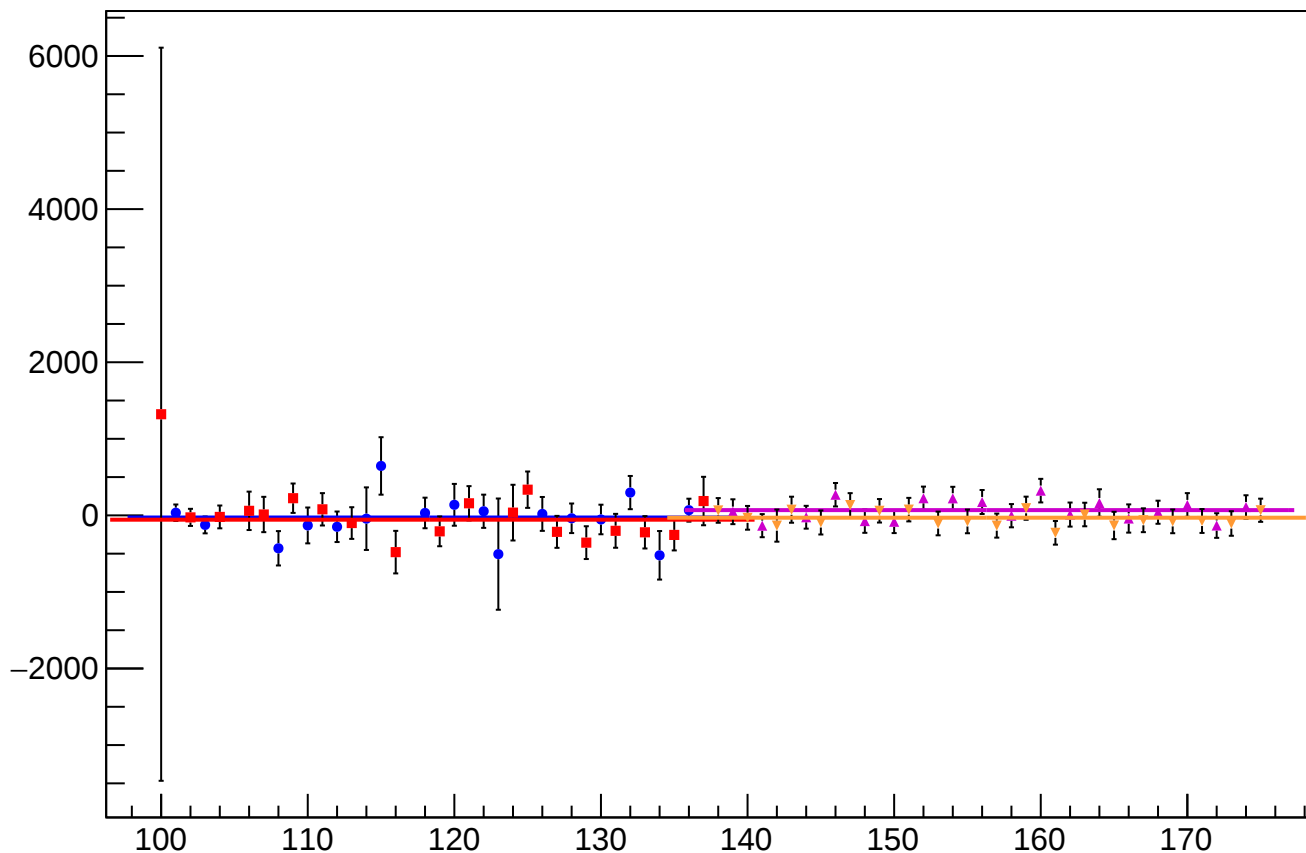
Left In: 108.825 $\pm$ 0.021 χ^2 /NDF:1435527.6/17

+ sign 103.447 $\pm$ 0.016 χ^2 /NDF: 1736181.2/34

All: 103.660 $\pm$ 0.012 χ^2 /NDF: 3524830.2/70

- sign 103.875 $\pm$ 0.016 χ^2 /NDF: 1788305.7/35

reg_asym_dsr_mean vs Slug



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

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

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

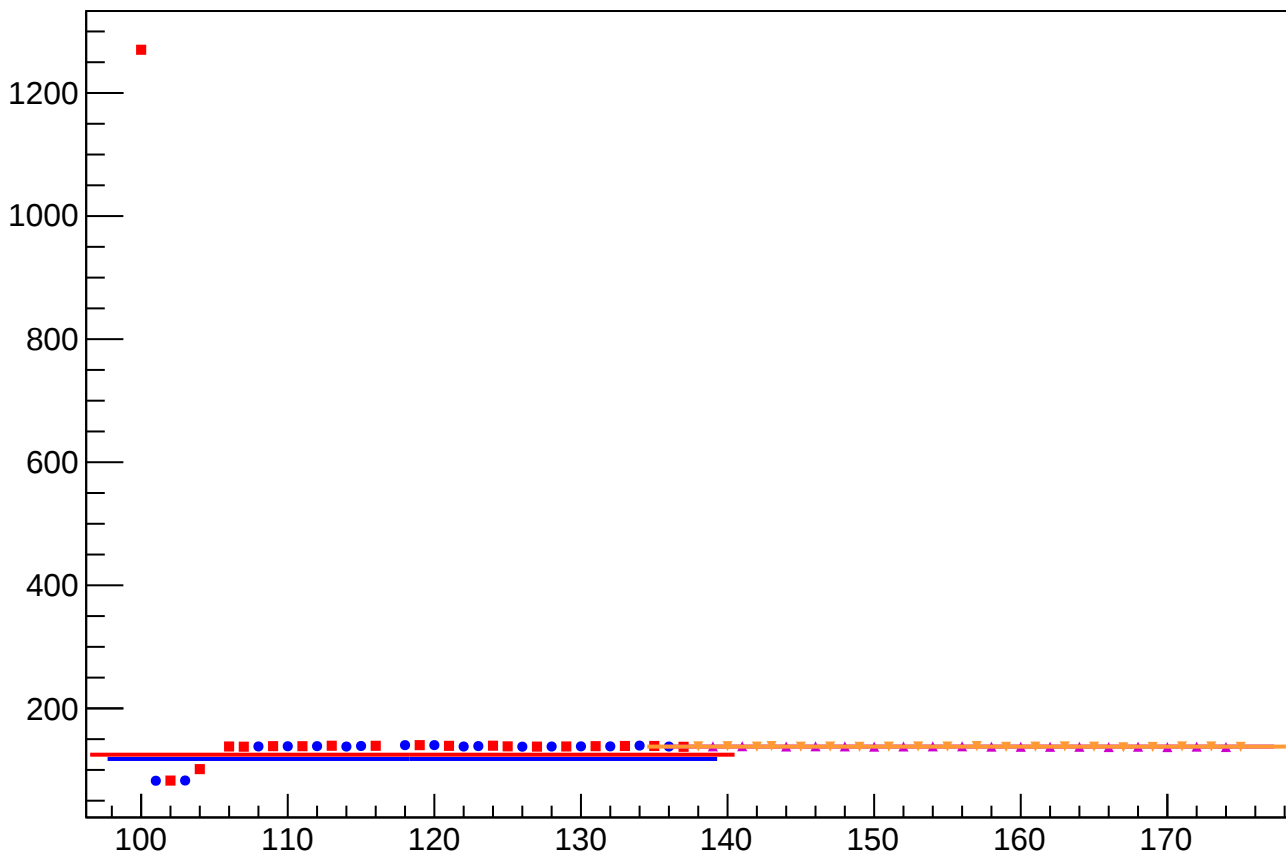
Left In: 68.676 ± 36.780 χ^2/NDF : 14.0/17

+ sign -29.514 ± 28.272 χ^2/NDF : 21.7/36

All: -4.500 ± 20.287 χ^2/NDF : 56.5/73

- sign 22.051 ± 29.128 χ^2/NDF : 33.2/36

reg_asym_dsr_rms vs Slug



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

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

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

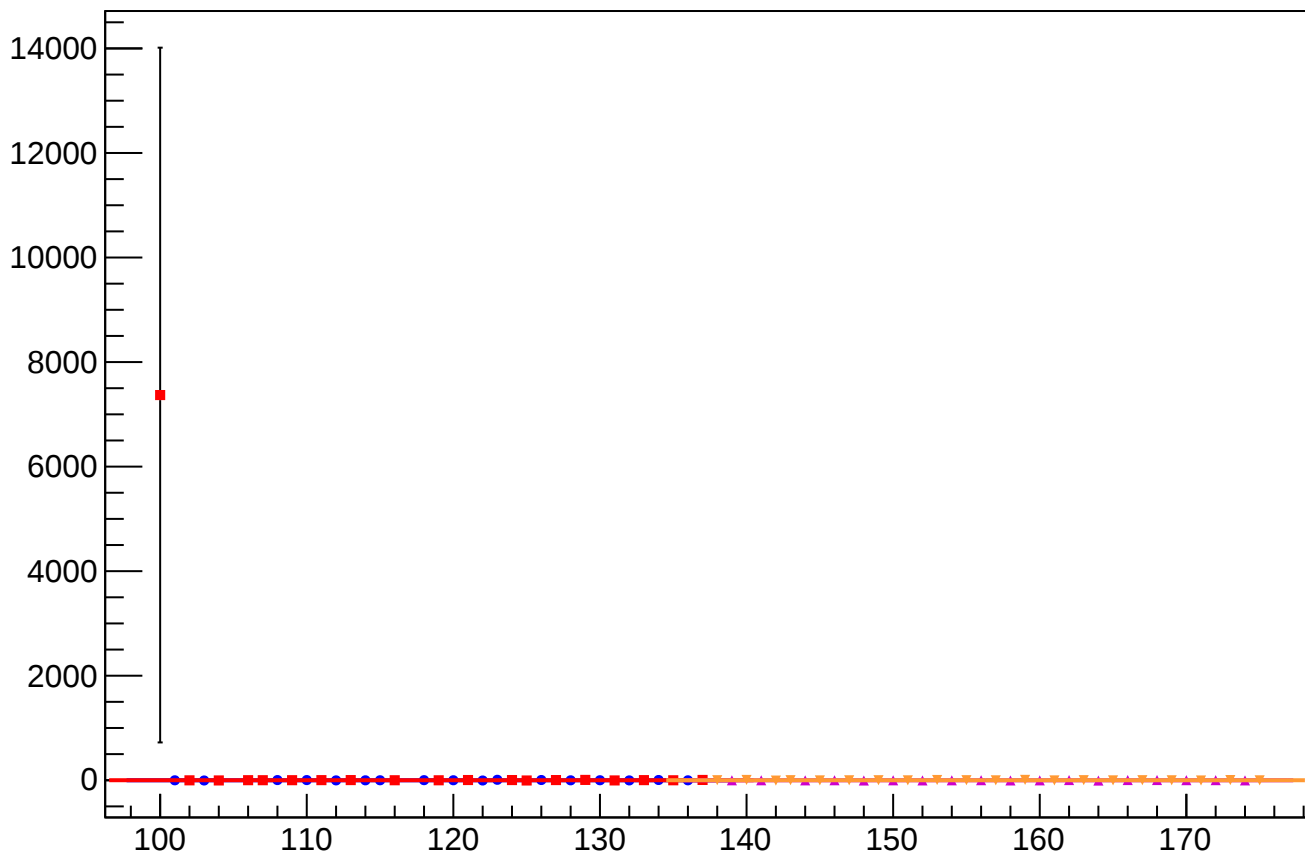
Left In: 137.928 $\pm$ 0.026 χ^2 /NDF: 262.9/17

+ sign 130.562 $\pm$ 0.020 χ^2 /NDF: 900938.1/36

All: 131.755 $\pm$ 0.014 χ^2 /NDF: 1573831.3/73

- sign 133.021 $\pm$ 0.021 χ^2 /NDF: 665556.3/36

asym_dsr_correction_mean vs Slug



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

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

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

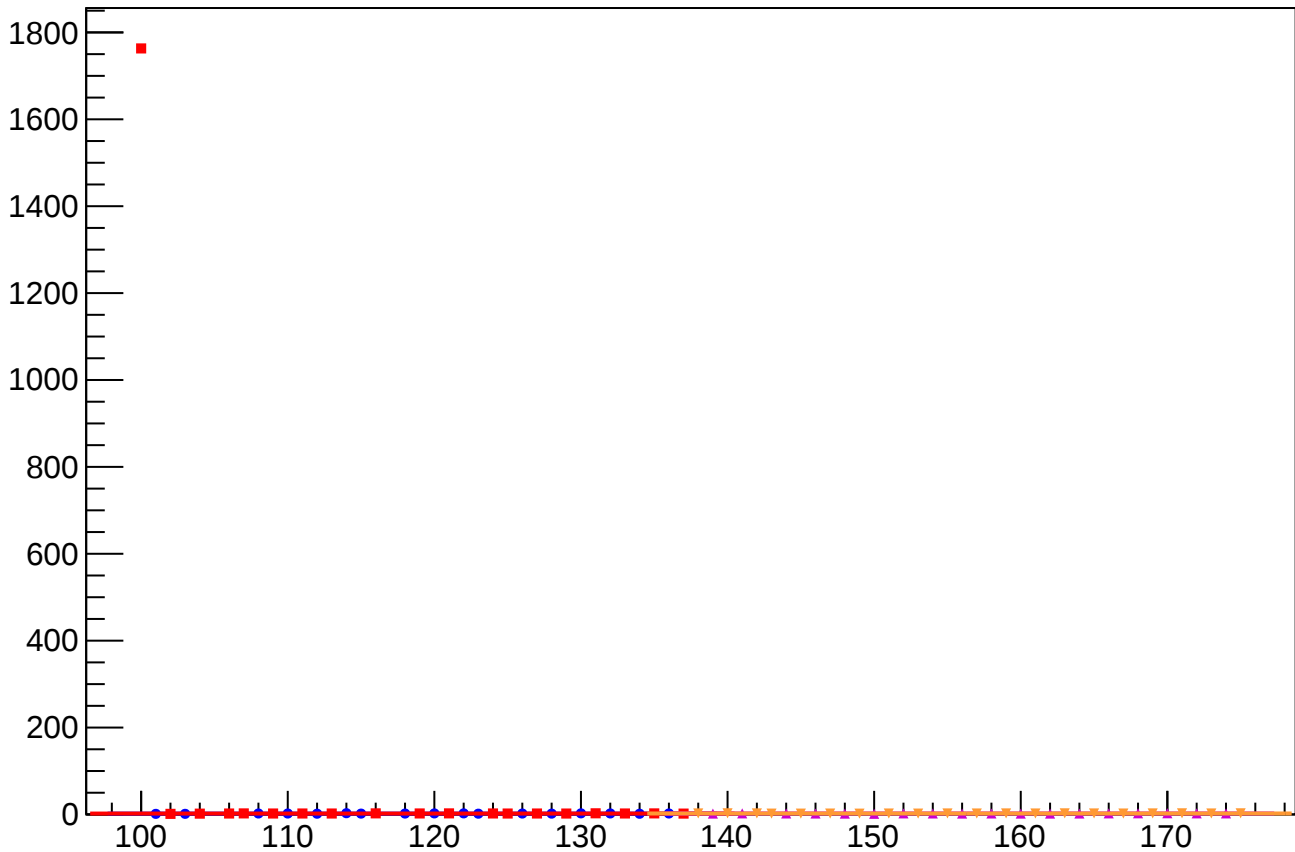
Left In: -0.599 ± 0.645 χ^2/NDF : 17.0/17

+ sign -0.080 ± 0.495 χ^2/NDF : 38.2/36

All: -0.111 ± 0.356 χ^2/NDF : 70.2/73

- sign -0.143 ± 0.514 χ^2/NDF : 32.0/36

asym_dsr_correction_rms vs Slug



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

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

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

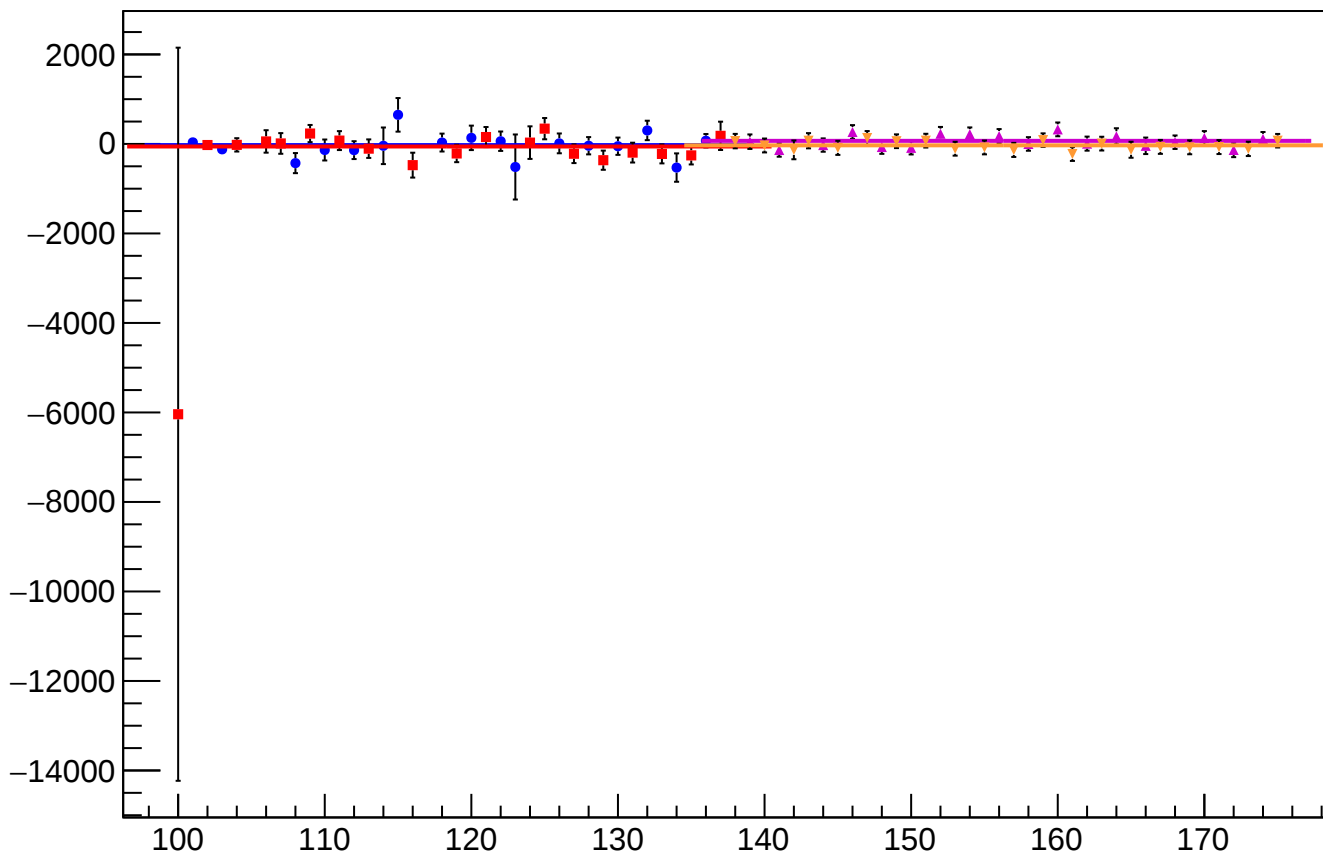
Left In: 2.188 $\pm$ 0.000 χ^2 /NDF: 482941.9/17

+ sign 2.095 $\pm$ 0.000 χ^2 /NDF: 1033406.2/36

All: 2.118 $\pm$ 0.000 χ^2 /NDF: 2077182.8/73

- sign 2.143 $\pm$ 0.000 χ^2 /NDF: 1034747.9/36

asym_dsr_mean vs Slug



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

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

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

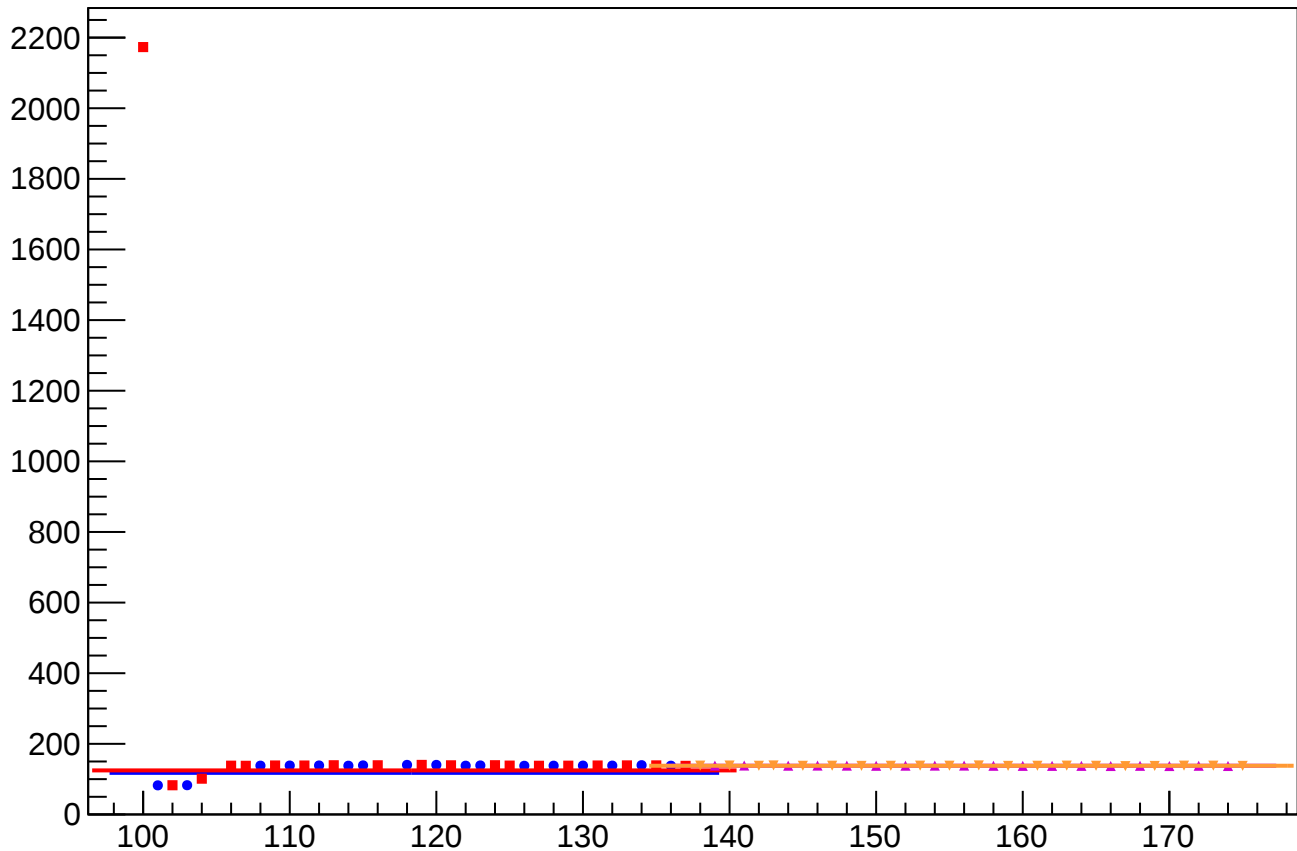
Left In: 68.977 ± 36.790 χ^2/NDF : 14.1/17

+ sign -29.286 ± 28.280 χ^2/NDF : 21.6/36

All: -4.449 ± 20.293 χ^2/NDF : 57.1/73

- sign 21.917 ± 29.137 χ^2/NDF : 34.0/36

asym_dsr_rms vs Slug



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

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

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

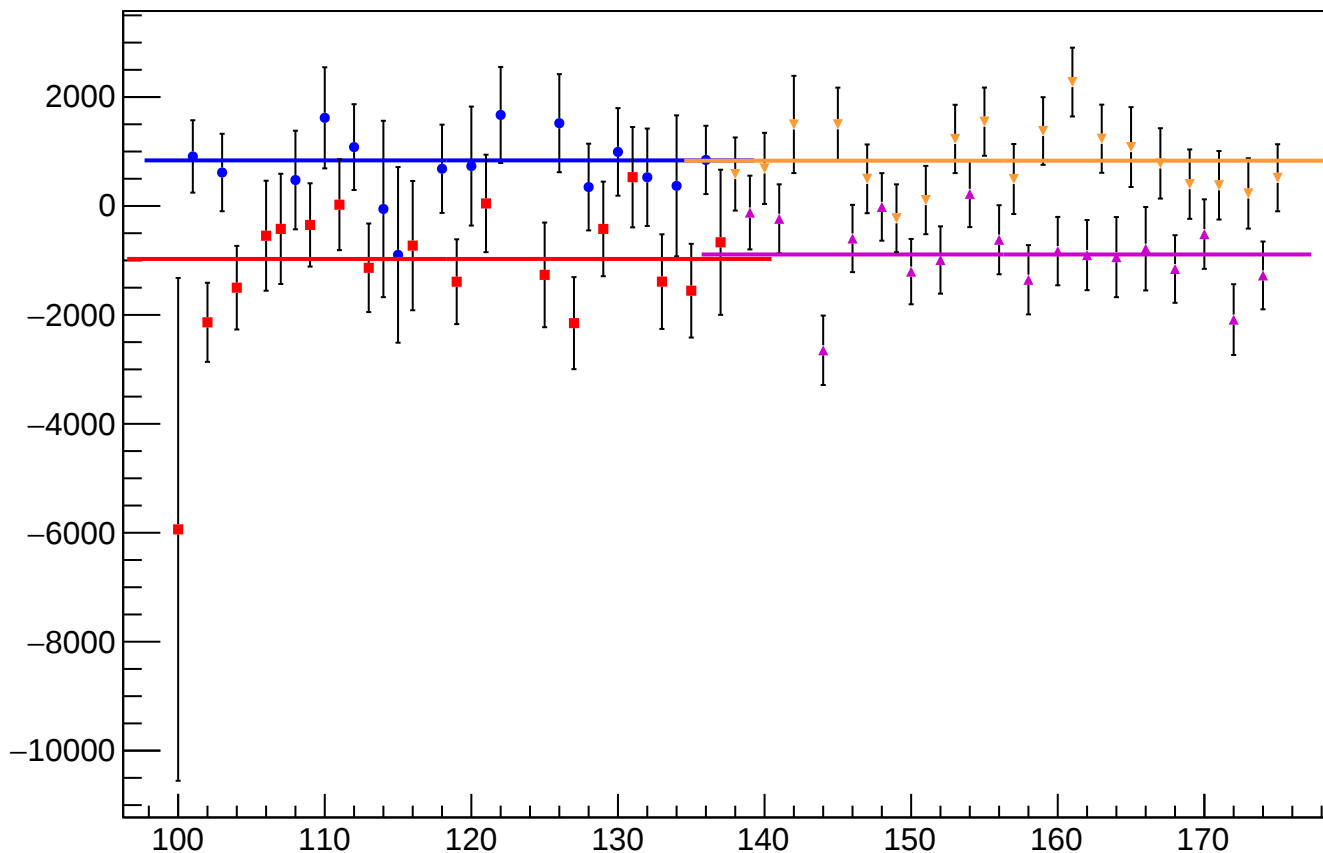
Left In: 137.967 $\pm$ 0.026 χ^2 /NDF: 259.6/17

+ sign 130.598 $\pm$ 0.020 χ^2 /NDF: 900983.4/36

All: 131.783 $\pm$ 0.014 χ^2 /NDF: 1585027.5/73

- sign 133.041 $\pm$ 0.021 χ^2 /NDF: 676800.7/36

reg_asym_left_avg_mean vs Slug



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

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

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

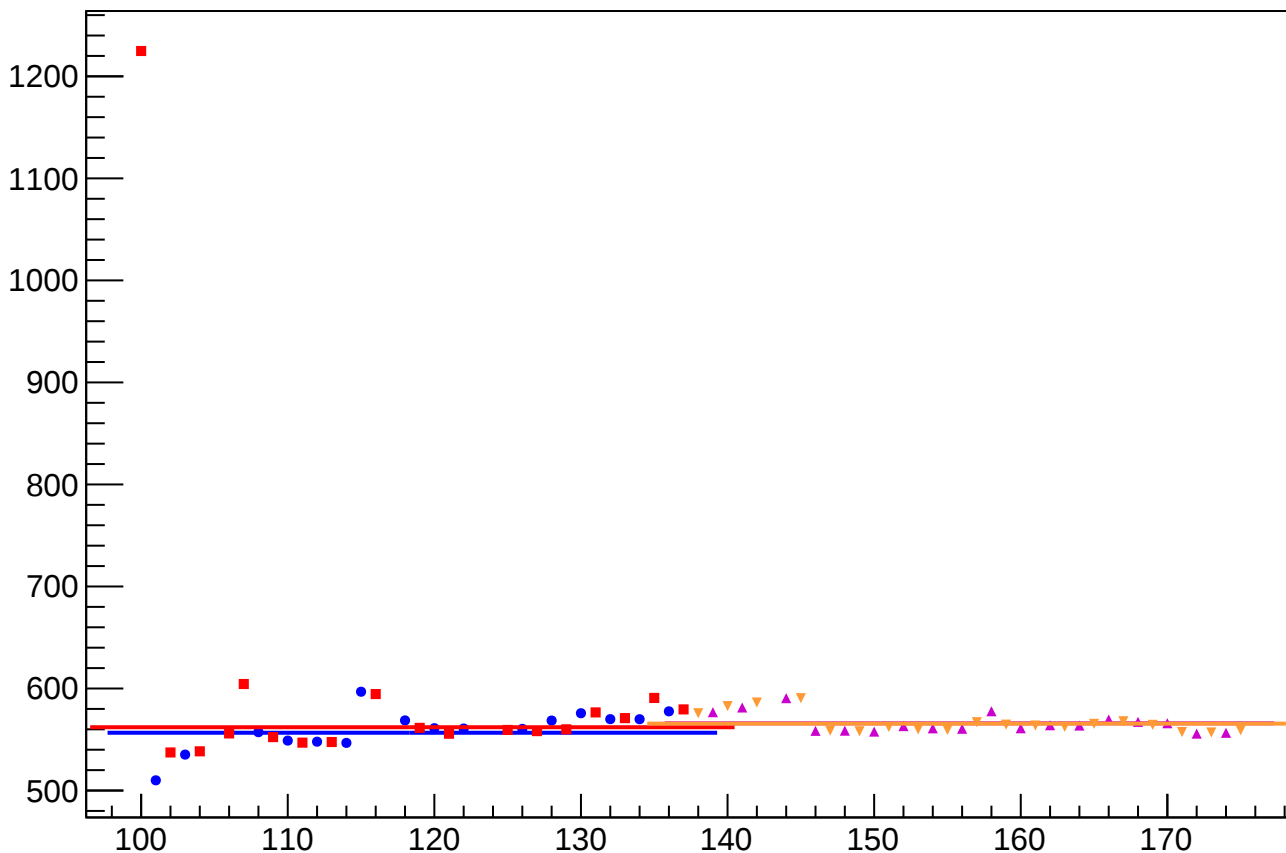
Left In: -889.955+/-150.911 χ^2/NDF : 20.9/17

+ sign 833.514+/-122.617 χ^2/NDF : 21.6/34

All: -38.667+/-86.869 χ^2/NDF : 158.4/70

- sign -917.561+/-123.088 χ^2/NDF : 35.2/35

reg_asym_left_avg_rms vs Slug



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

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

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

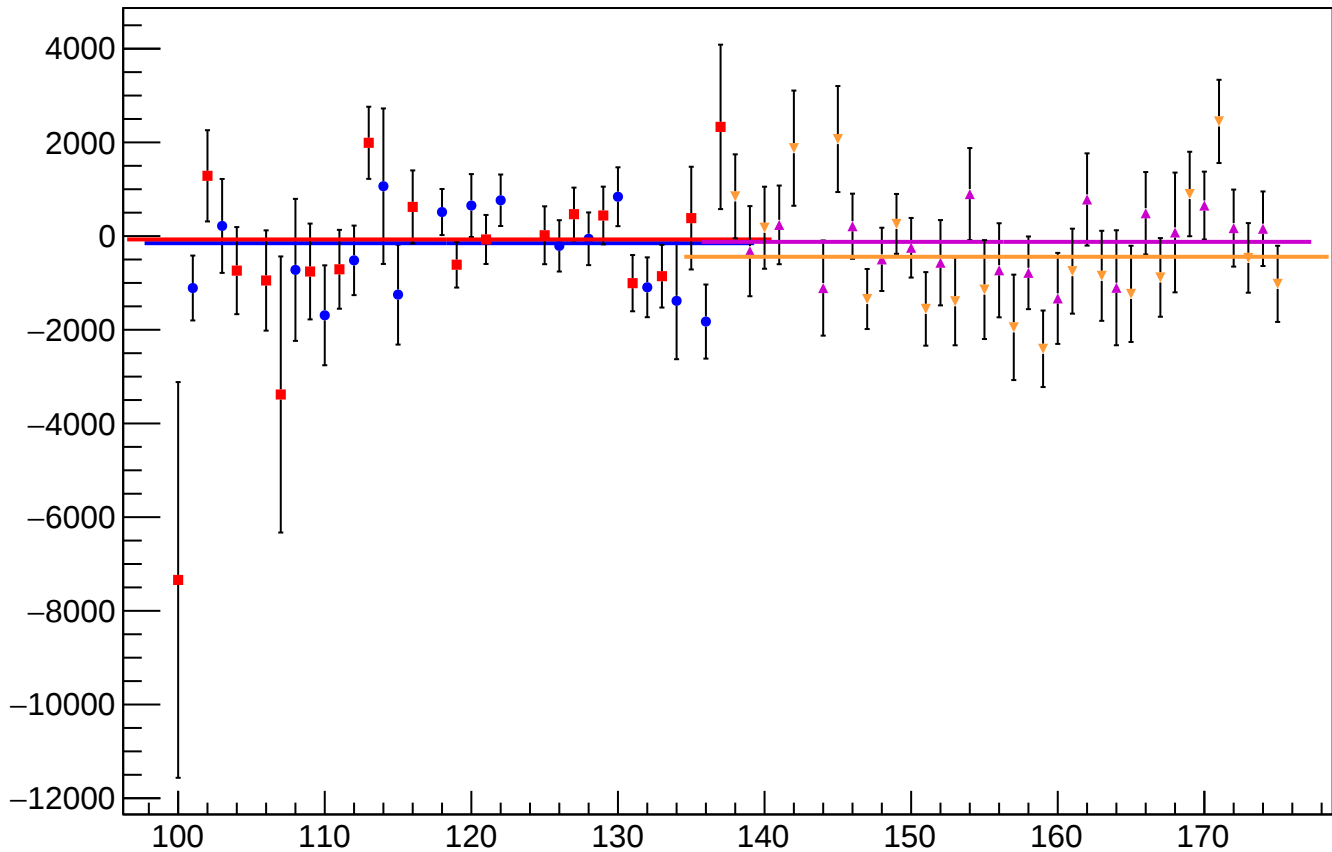
Left In: 565.889 $\pm$ 0.107 χ^2 /NDF: 7781.6/17

+ sign 562.706 $\pm$ 0.087 χ^2 /NDF: 28352.3/34

All: 563.651 $\pm$ 0.061 χ^2 /NDF: 92381.2/70

- sign 564.603 $\pm$ 0.087 χ^2 /NDF: 63790.5/35

asym_left_avg_correction_mean vs Slug



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

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

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

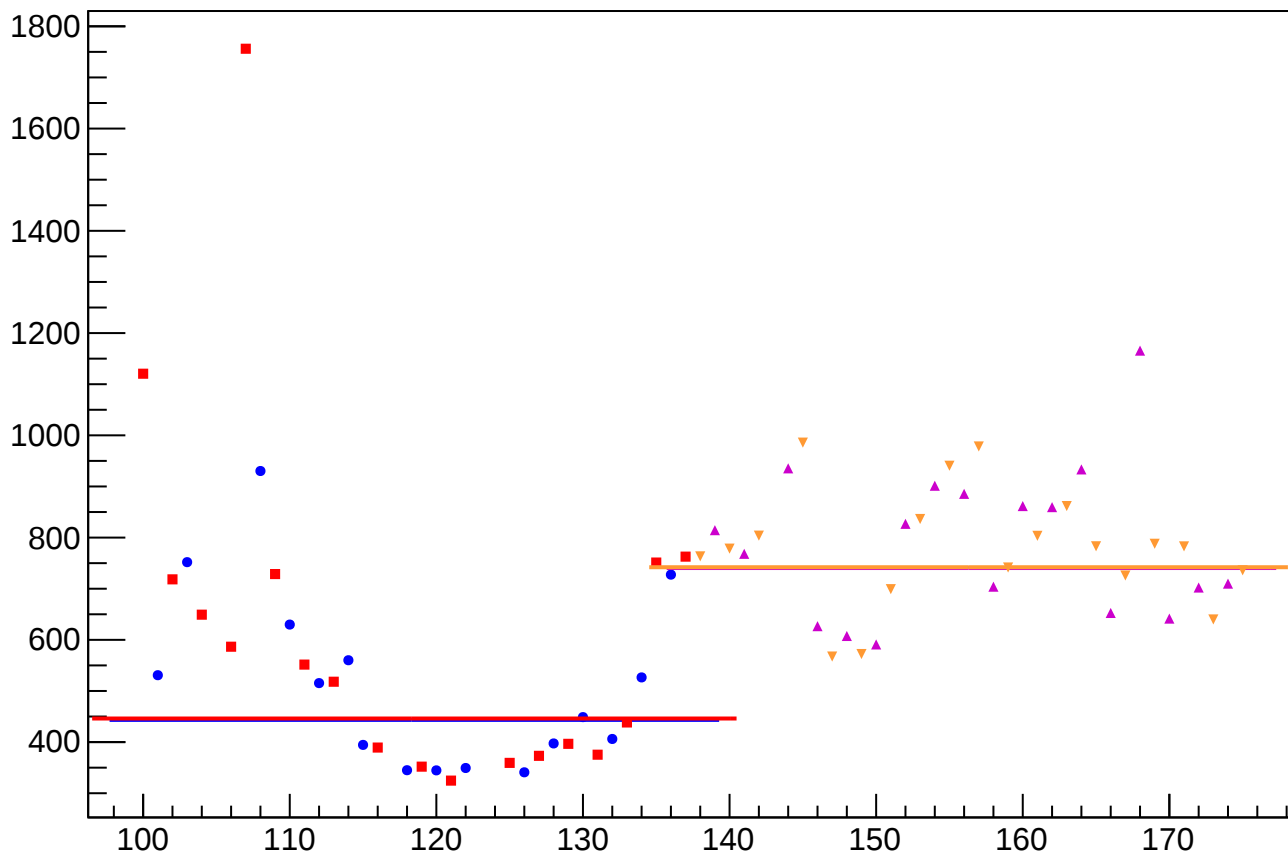
Left In: -123.397+/-201.136 χ^2/NDF : 9.1/17

+ sign -282.565+/-133.473 χ^2/NDF : 63.2/34

All: -188.623+/-94.416 χ^2/NDF : 98.3/70

- sign -94.534+/-133.577 χ^2/NDF : 34.1/35

asym_left_avg_correction_rms vs Slug



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

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

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

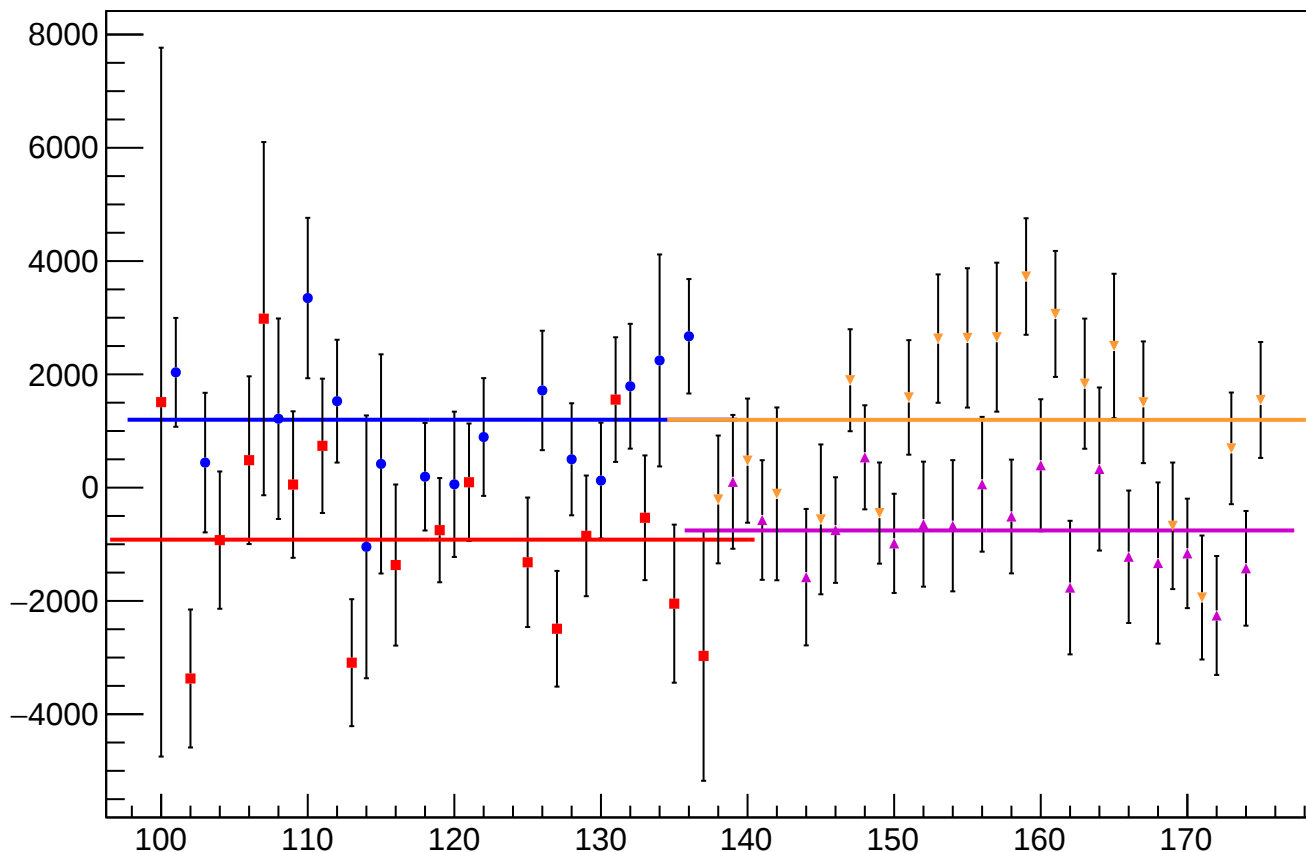
Left In: 740.477+/-0.142 χ^2/NDF : 842492.8/17

+ sign 578.000+/-0.094 χ^2/NDF : 4207001.0/34

All: 576.980+/-0.067 χ^2/NDF : 8903566.7/70

- sign 575.959+/-0.094 χ^2/NDF : 4696331.9/35

asym_left_avg_mean vs Slug



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

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

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

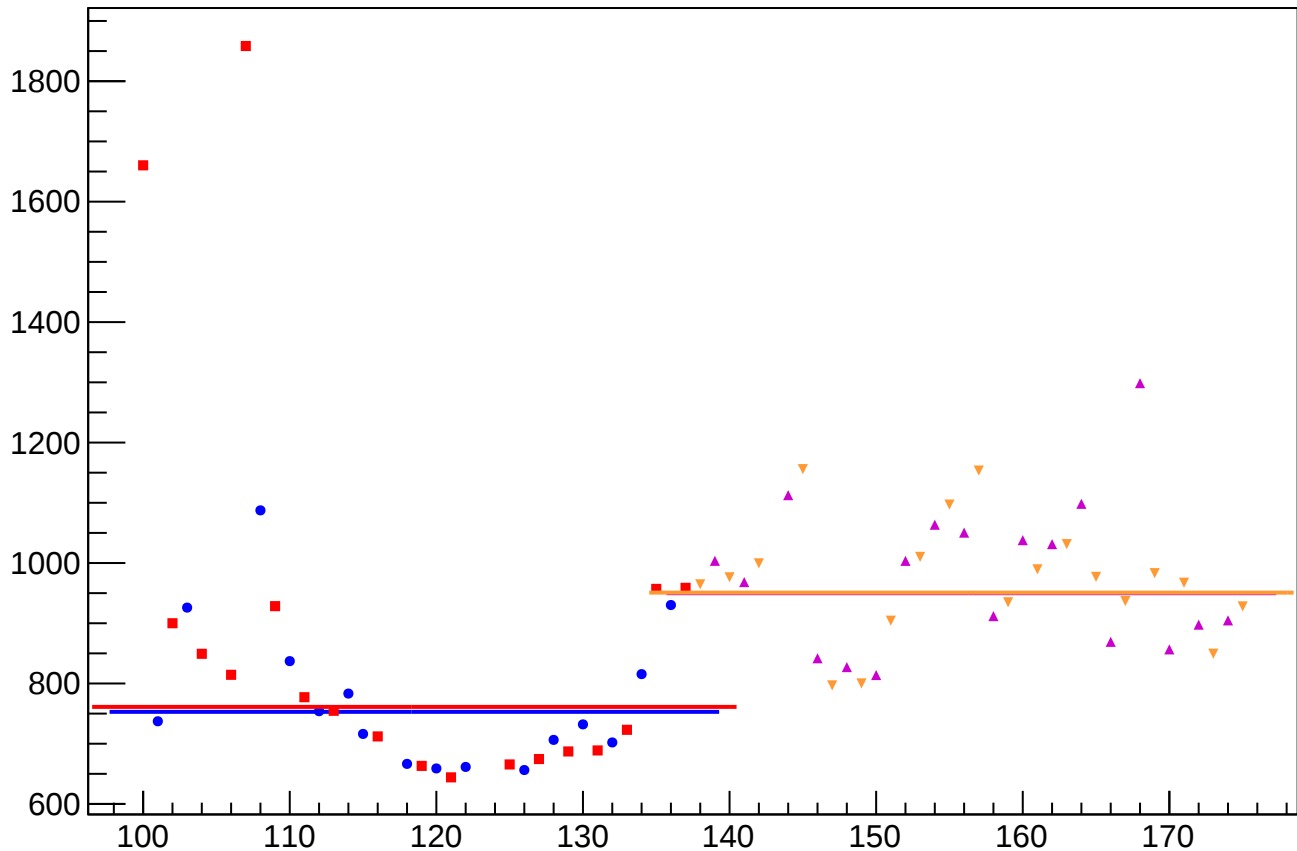
Left In: -755.744 $\pm$ 255.452 χ^2 /NDF:8.9/17

+ sign 1197.540 $\pm$ 191.782 χ^2 /NDF: 45.8/34

All: 190.285 $\pm$ 135.909 χ^2 /NDF: 133.4/70

- sign -825.913 $\pm$ 192.631 χ^2 /NDF: 32.3/35

asym_left_avg_rms vs Slug



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

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

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

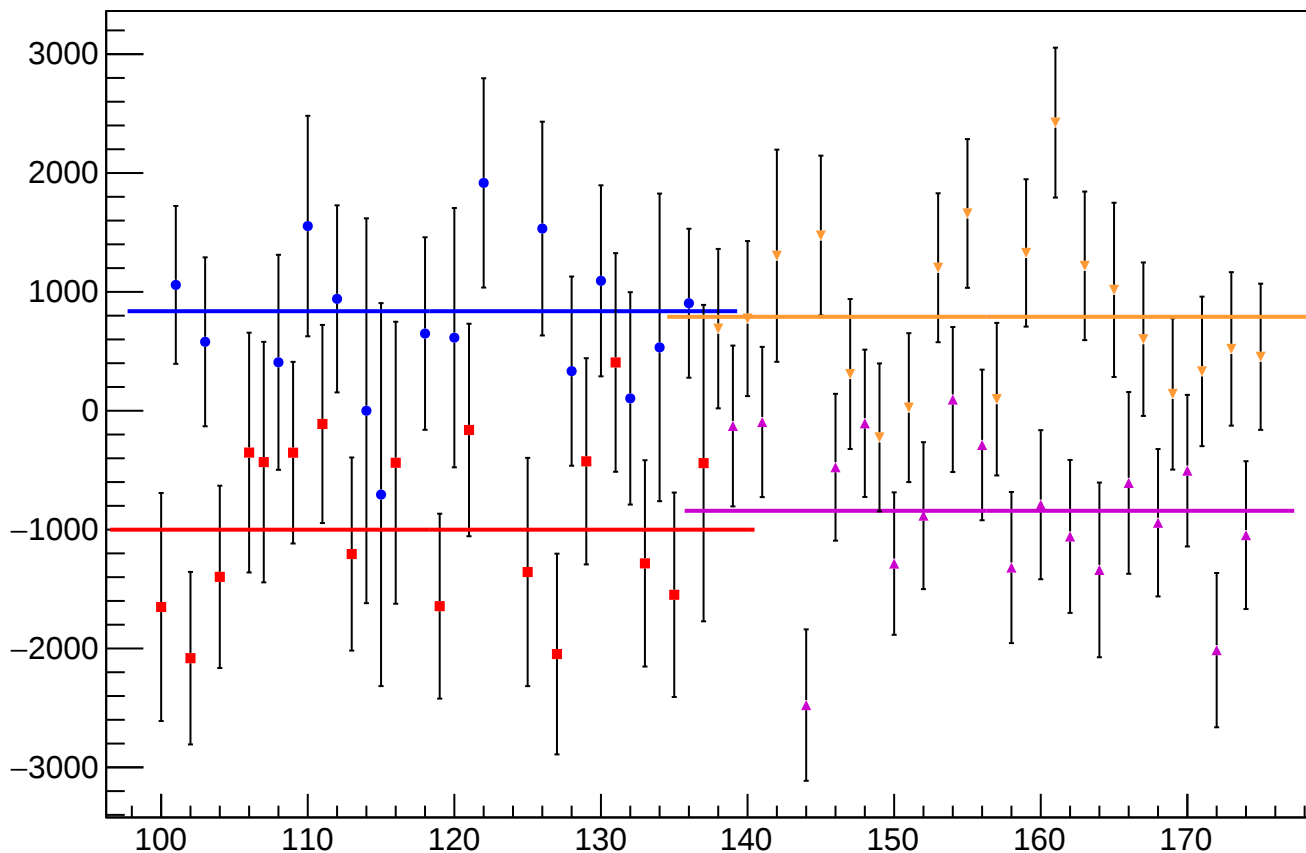
Left In: 949.874+/-0.181 χ^2/NDF : 392584.5/17

+ sign 867.351+/-0.136 χ^2/NDF : 1062822.9/34

All: 867.908+/-0.096 χ^2/NDF : 2443405.7/70

- sign 868.469+/-0.136 χ^2/NDF : 1380548.9/35

reg_asym_left_dd_mean vs Slug



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

Left Out: 790.234 $\pm$ 148.759 χ^2 /NDF:19.8/18

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

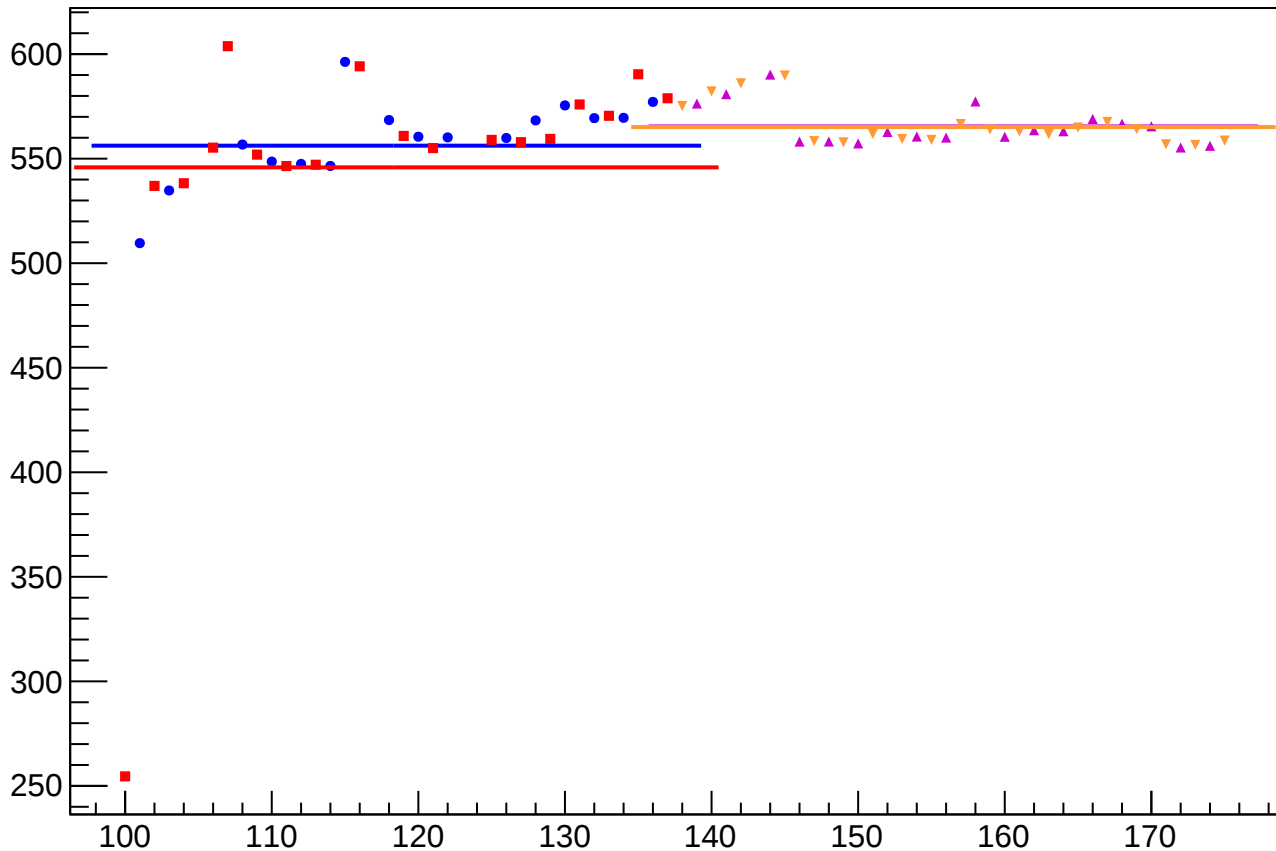
Left In: -841.721 $\pm$ 150.786 χ^2 /NDF:19.4/17

+ sign 805.457 $\pm$ 122.518 χ^2 /NDF: 25.5/34

All: -48.937 $\pm$ 86.460 χ^2 /NDF: 154.8/70

- sign -896.546 $\pm$ 122.031 χ^2 /NDF: 32.4/35

reg_asym_left_dd_rms vs Slug



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

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

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

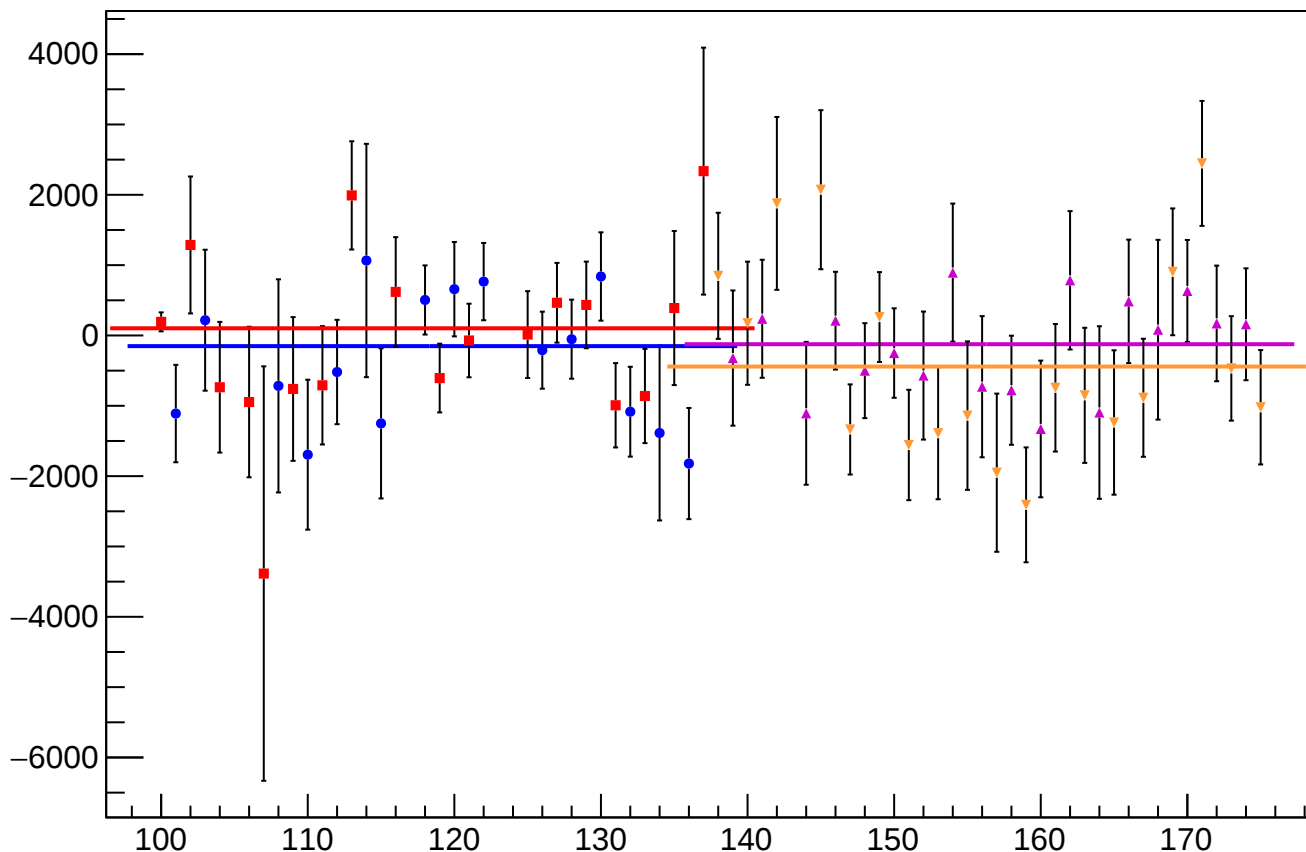
Left In: 565.421 $\pm$ 0.107 χ^2 /NDF: 7811.9/17

+ sign 562.252 $\pm$ 0.087 χ^2 /NDF: 28295.0/34

All: 560.452 $\pm$ 0.061 χ^2 /NDF: 256238.5/70

- sign 558.666 $\pm$ 0.086 χ^2 /NDF: 227083.5/35

asym_left_dd_correction_mean vs Slug



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

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

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

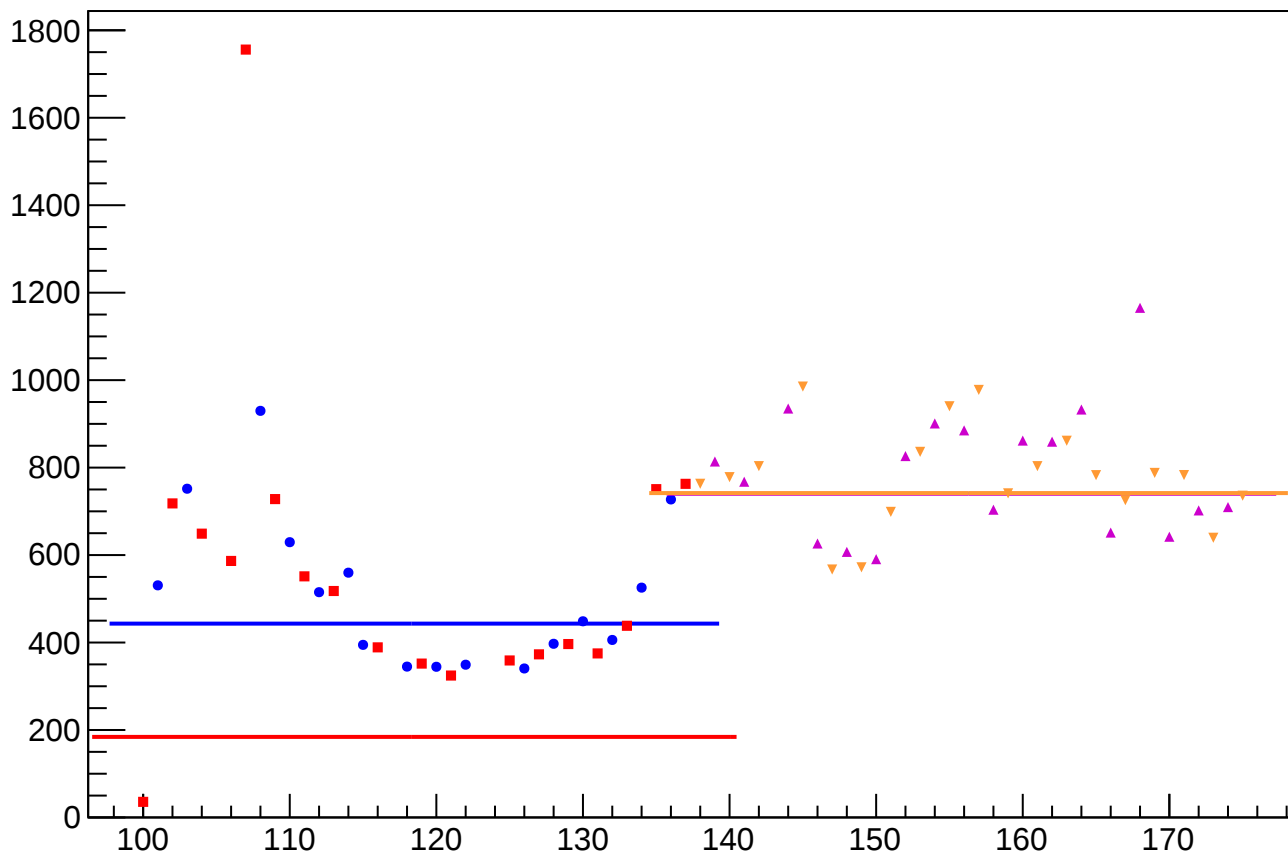
Left In: -124.394 ± 201.047 χ^2/NDF : 9.0/17

+ sign -282.286 ± 133.412 χ^2/NDF : 63.2/34

All: -60.661 ± 77.354 χ^2/NDF : 100.6/70

- sign 51.575 ± 94.941 χ^2/NDF : 33.2/35

asym_left_dd_correction_rms vs Slug



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

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

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

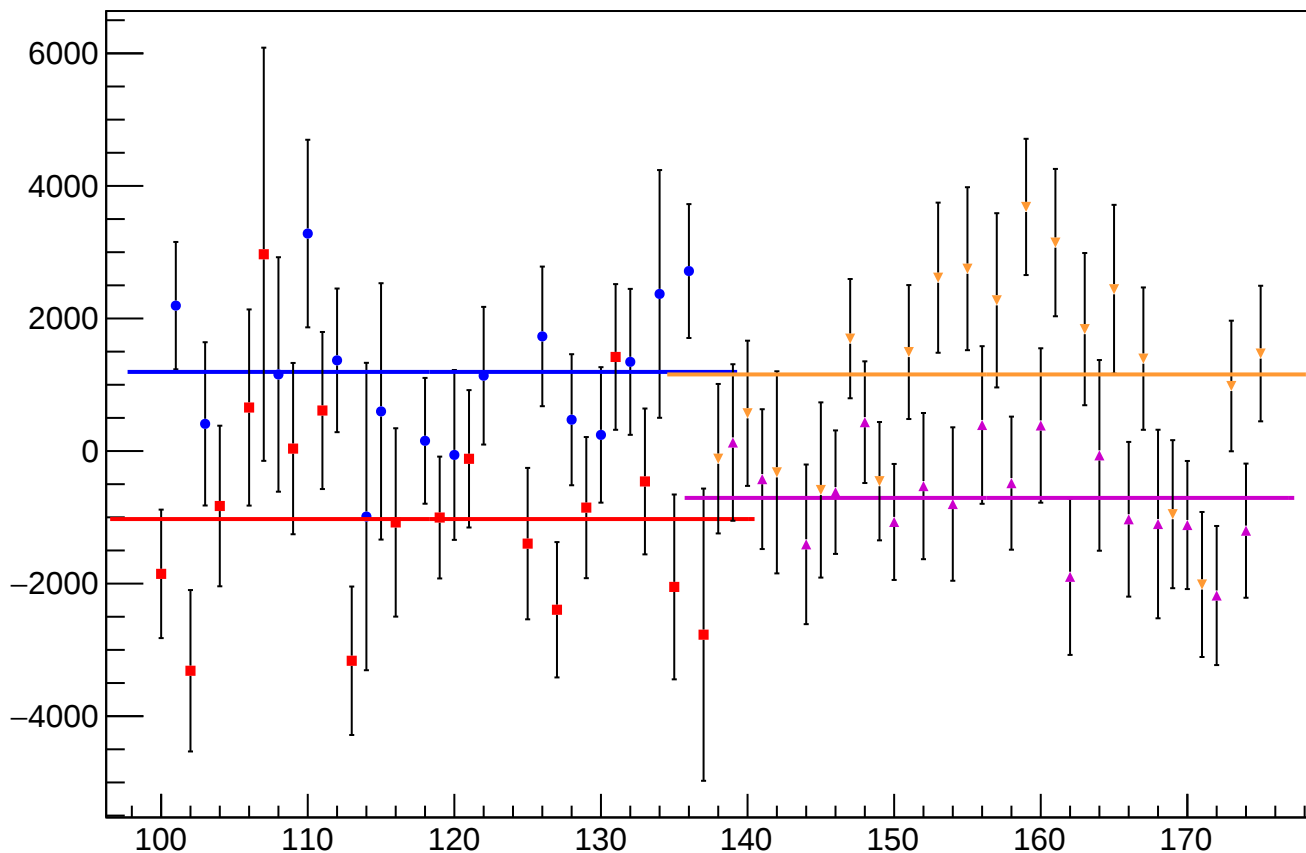
Left In: 740.145+/-0.142 χ^2/NDF : 842679.6/17

+ sign 577.742+/-0.094 χ^2/NDF : 4208354.1/34

All: 398.807+/-0.055 χ^2/NDF : 30432627.5/70

- sign 308.190+/-0.067 χ^2/NDF : 20804557.5/35

asym_left_dd_mean vs Slug



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

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

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

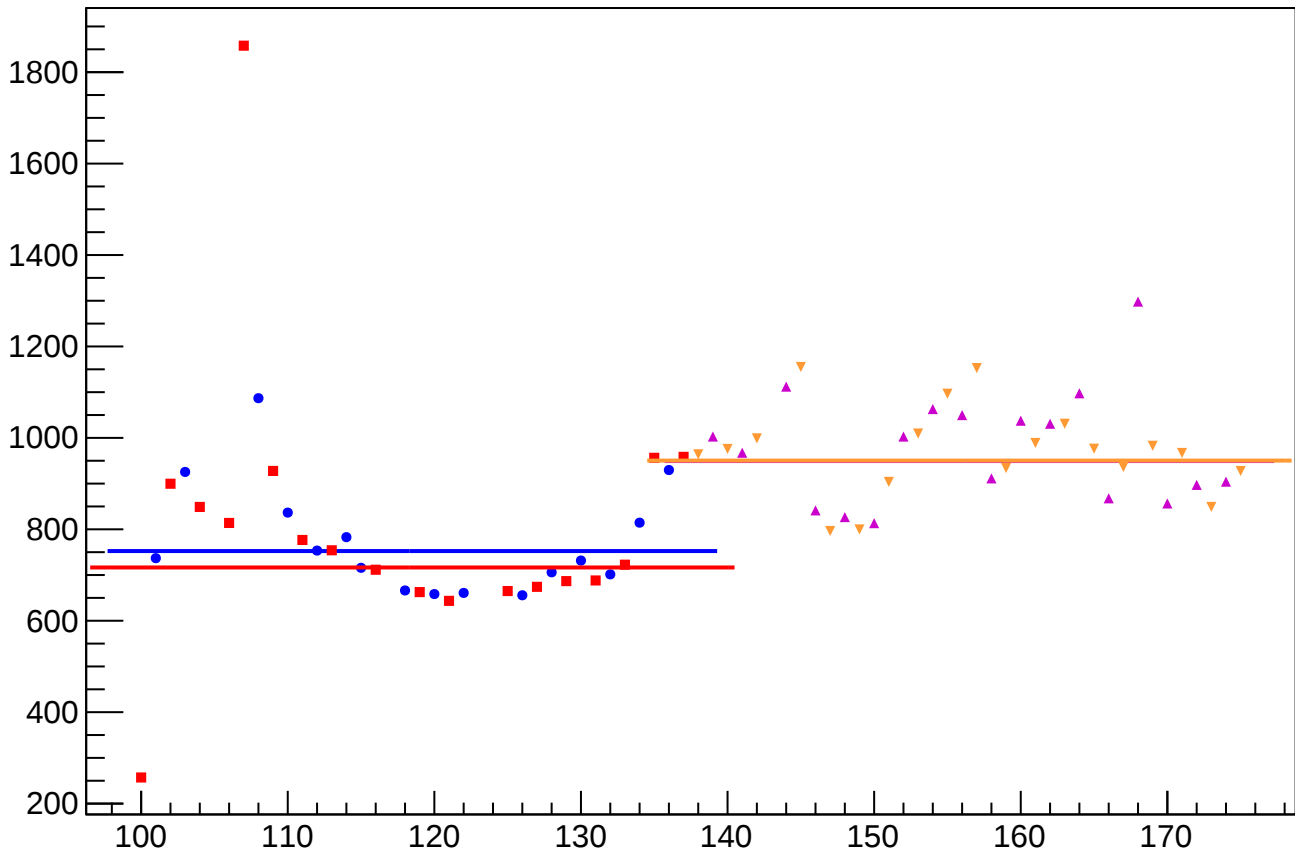
Left In: -707.109 $\pm$ 255.303 χ^2 /NDF: 8.2/17

+ sign 1171.846 $\pm$ 191.665 χ^2 /NDF: 46.0/34

All: 145.518 $\pm$ 134.541 χ^2 /NDF: 134.0/70

- sign -851.469 $\pm$ 188.905 χ^2 /NDF: 31.5/35

asym_left_dd_rms vs Slug



Right In: 752.429 $\pm$ 0.209 χ^2 /NDF: 252705.1/15

Left Out: 950.339 $\pm$ 0.178 χ^2 /NDF: 290634.9/18

Right Out: 716.522 $\pm$ 0.199 χ^2 /NDF: 966934.7/17

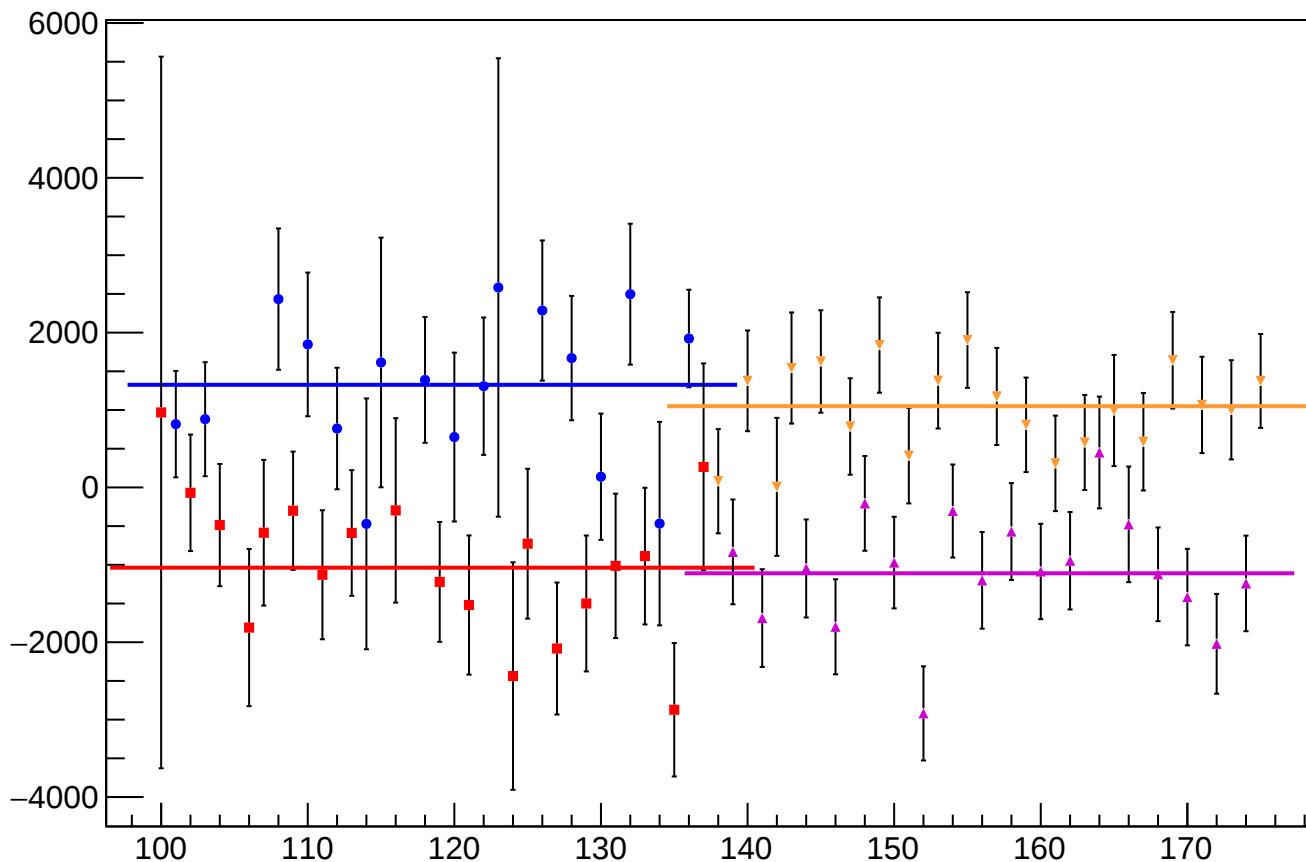
Left In: 949.312 $\pm$ 0.181 χ^2 /NDF: 392816.0/17

+ sign 866.822 $\pm$ 0.136 χ^2 /NDF: 1063479.0/34

All: 855.232 $\pm$ 0.095 χ^2 /NDF: 3190092.0/70

- sign 843.973 $\pm$ 0.134 χ^2 /NDF: 2112195.2/35

reg_asym_right_avg_mean vs Slug



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

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

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

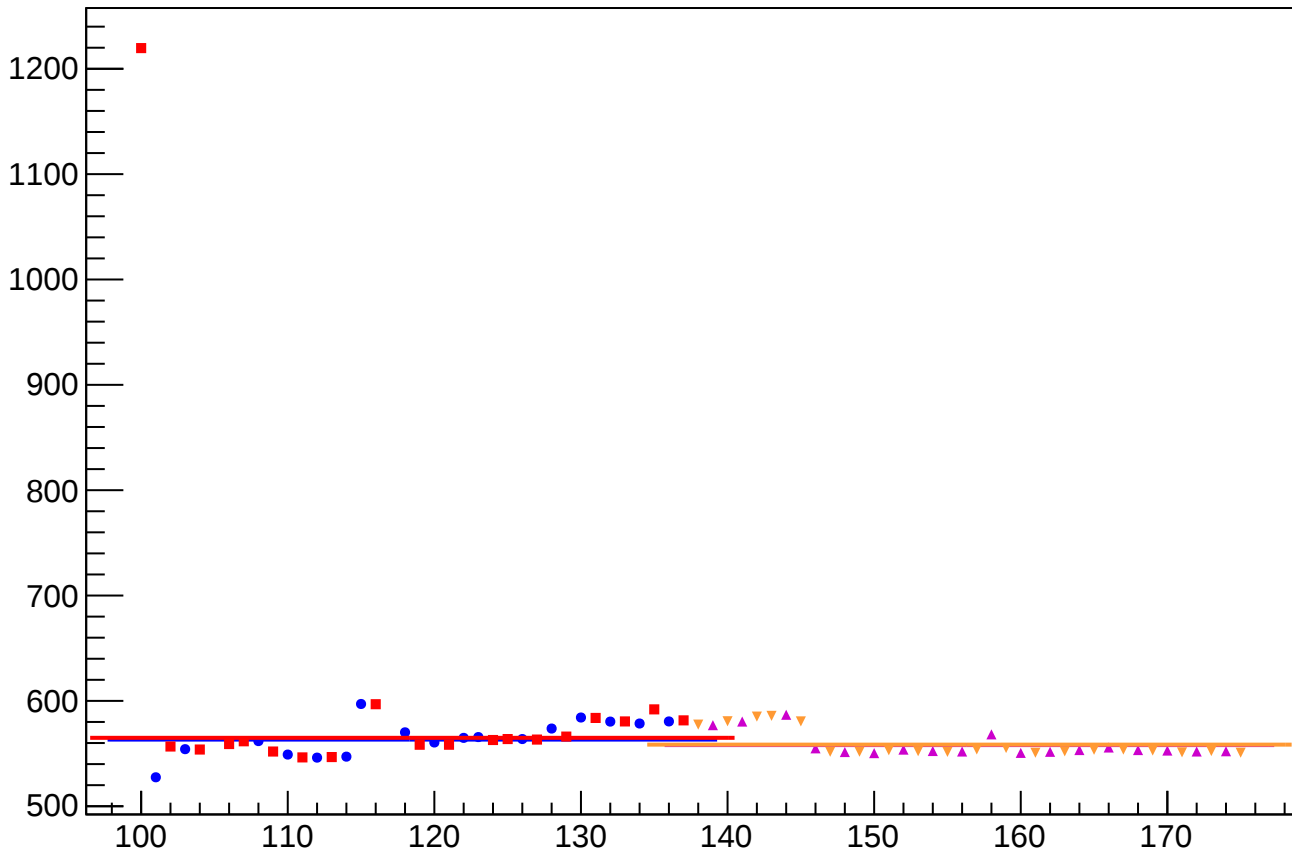
Left In: -1109.523 $\pm$ 148.827 χ^2 /NDF: 23.7/17

+ sign 1133.108 $\pm$ 120.025 χ^2 /NDF: 28.0/36

All: 39.434 $\pm$ 85.467 χ^2 /NDF: 233.6/73

- sign -1085.527 $\pm$ 121.729 χ^2 /NDF: 37.2/36

reg_asym_right_avg_rms vs Slug



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

Left Out: 558.477+/-0.102 χ^2/NDF :13717.2/19

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

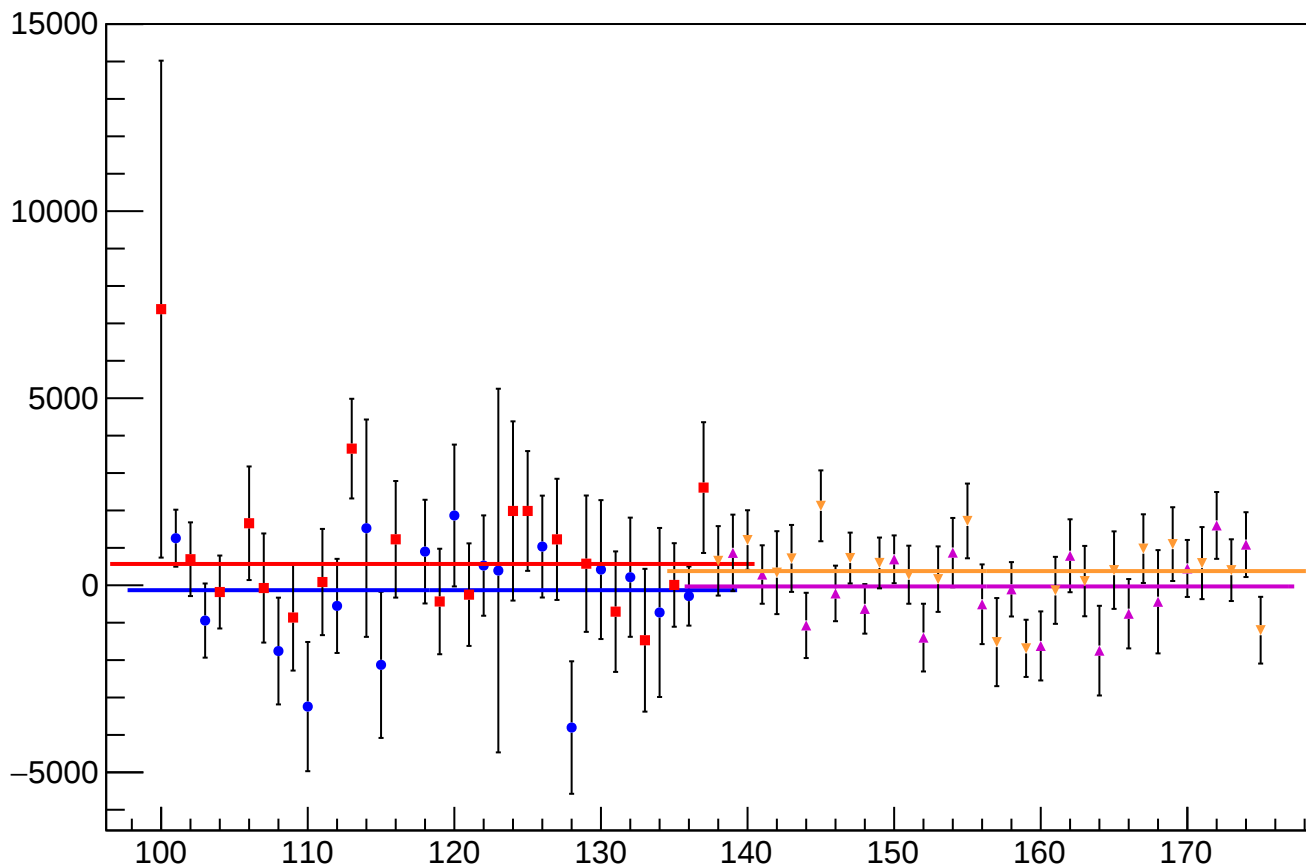
Left In: 558.045+/-0.105 χ^2/NDF :11020.0/17

+ sign 559.927+/-0.085 χ^2/NDF : 26909.6/36

All: 560.125+/-0.060 χ^2/NDF : 88659.2/73

- sign 560.328+/-0.086 χ^2/NDF : 61738.5/36

asym_right_avg_correction_mean vs Slug



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

Left Out: 379.306+/-196.177 χ^2 /NDF: 21.4/19

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

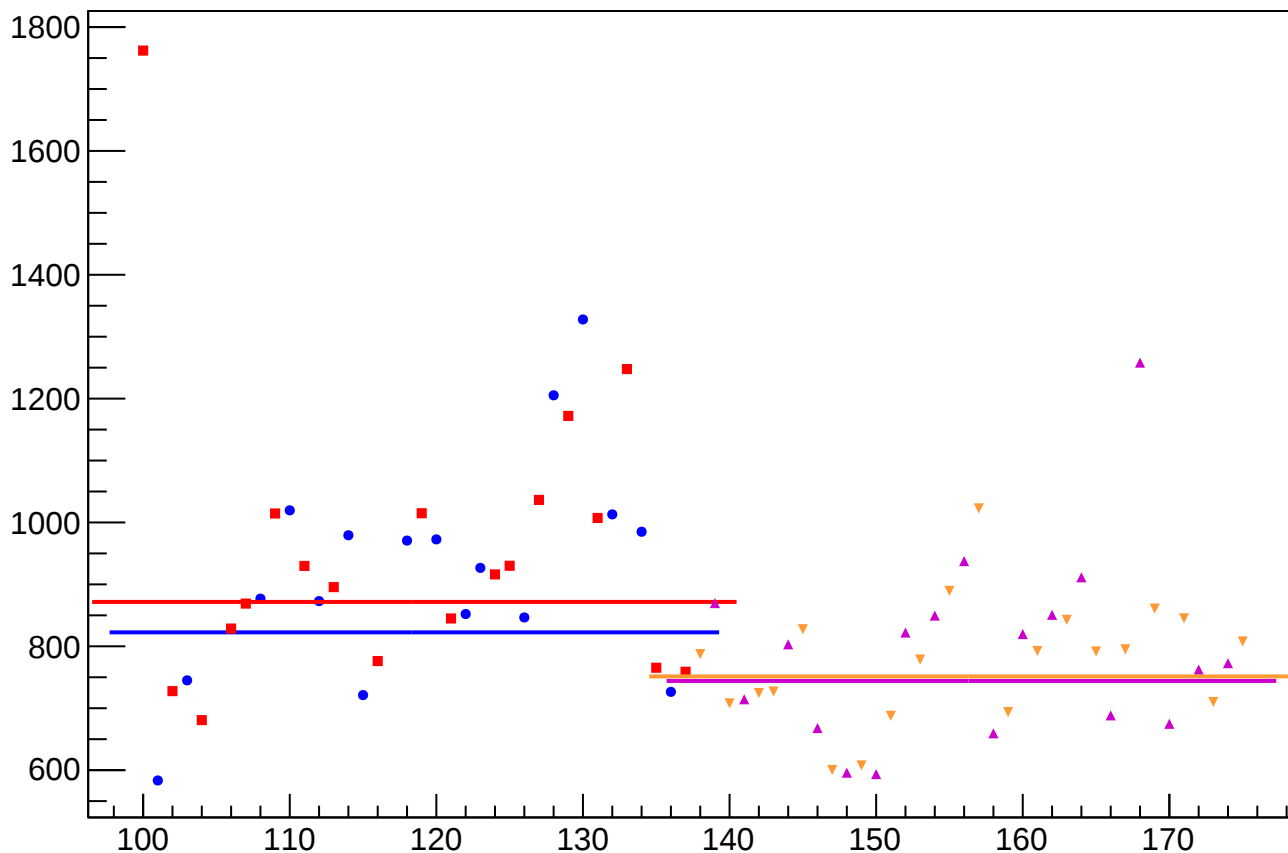
Left In: -31.019+/-201.888 χ^2 /NDF: 19.8/17

+ sign 244.579+/-168.305 χ^2 /NDF: 40.4/36

All: 189.157+/-120.484 χ^2 /NDF: 77.4/73

- sign 130.900+/-172.555 χ^2 /NDF: 36.8/36

asym_right_avg_correction_rms vs Slug



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

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

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

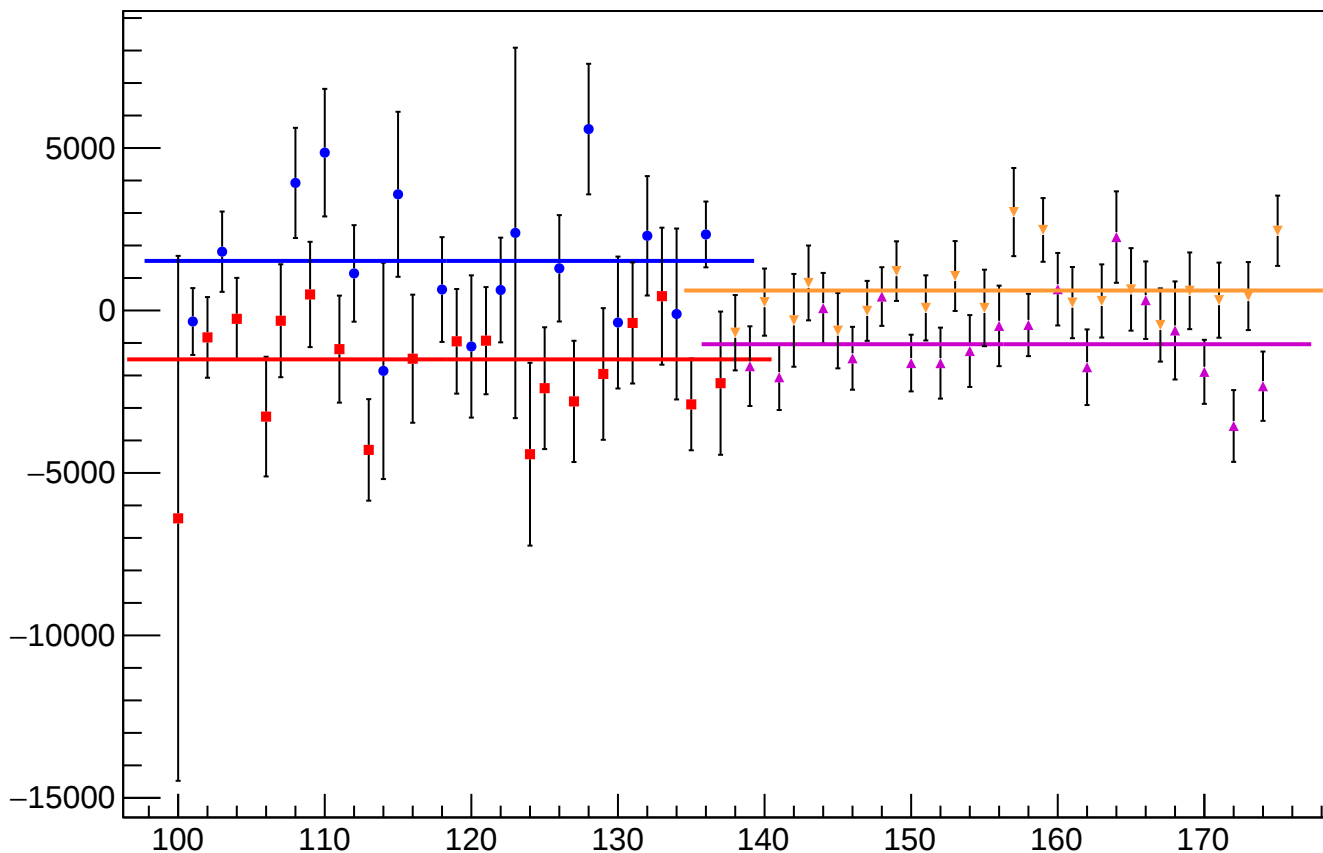
Left In: 744.056 ± 0.143 χ^2/NDF : 788863.8/17

+ sign 770.143 ± 0.119 χ^2/NDF : 1142376.2/36

All: 774.192 ± 0.085 χ^2/NDF : 2555844.5/73

- sign 778.447 ± 0.122 χ^2/NDF : 1411094.6/36

asym_right_avg_mean vs Slug



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

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

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

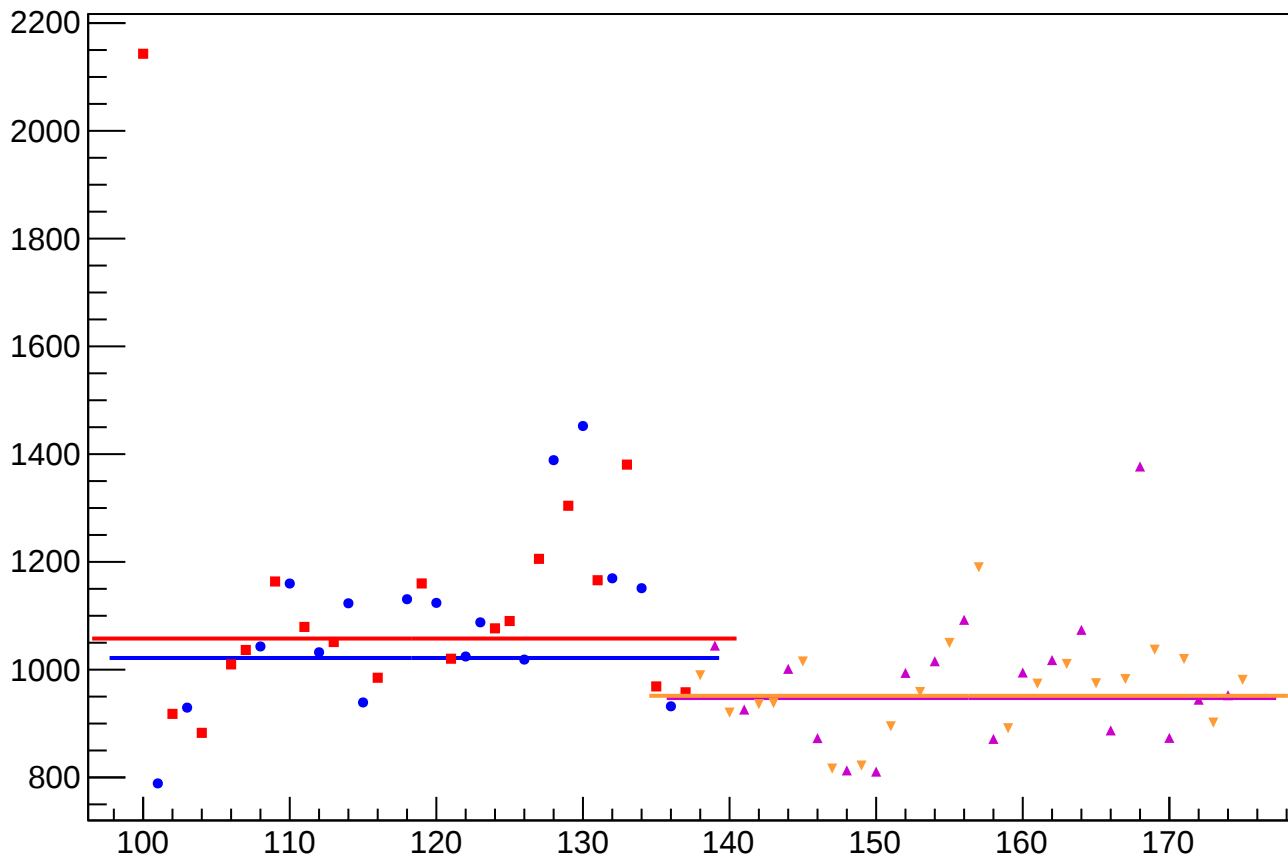
Left In: -1038.672 $\pm$ 254.691 χ^2 /NDF: 23.5/17

+ sign 863.634 $\pm$ 210.090 χ^2 /NDF: 37.3/36

All: -131.985 $\pm$ 150.204 χ^2 /NDF: 119.8/73

- sign -1173.045 $\pm$ 214.830 χ^2 /NDF: 36.6/36

asym_right_avg_rms vs Slug



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

Left Out: 951.516 ± 0.174 χ^2/NDF : 214949.8/19

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

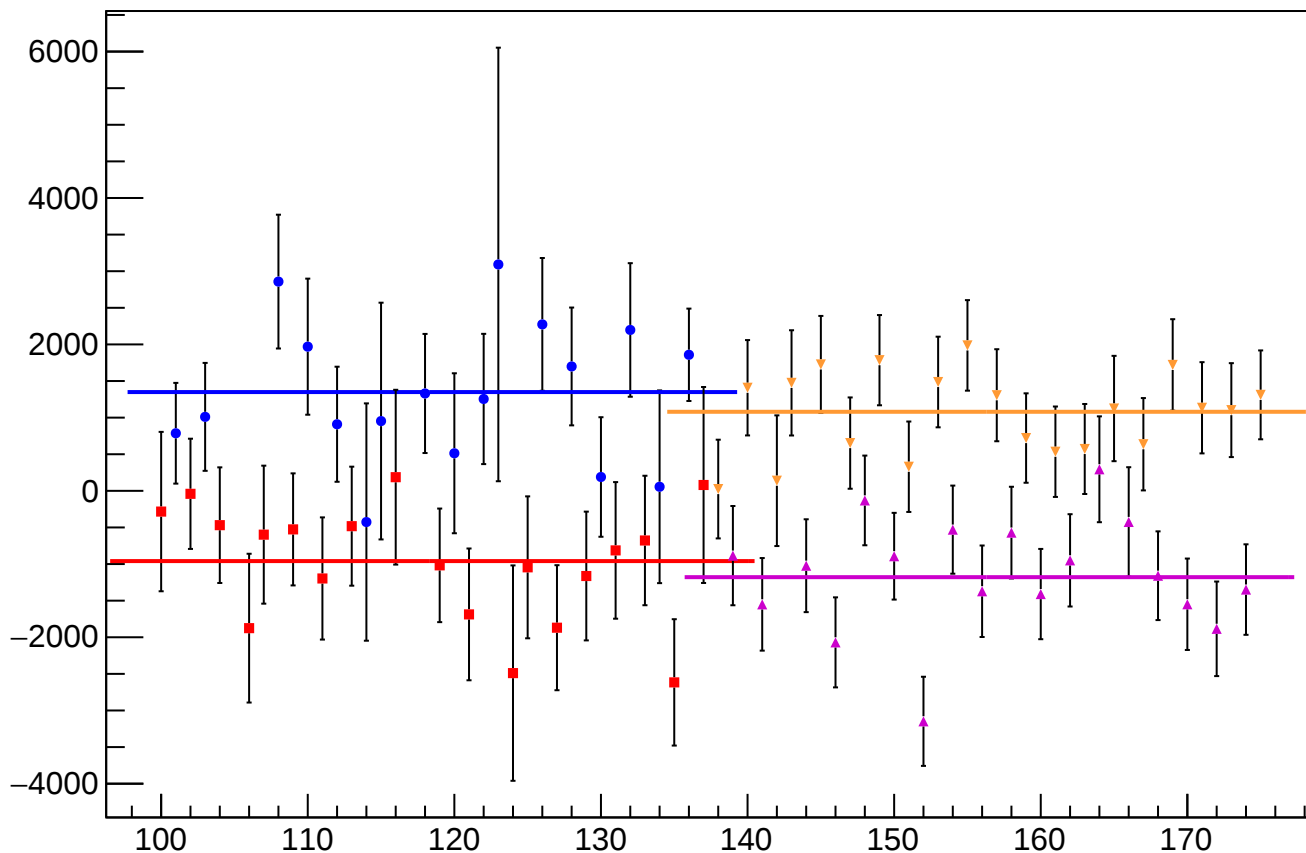
Left In: 947.332 ± 0.180 χ^2/NDF : 380402.8/17

+ sign 970.696 ± 0.149 χ^2/NDF : 591195.7/36

All: 974.848 ± 0.106 χ^2/NDF : 1312592.2/73

- sign 979.189 ± 0.152 χ^2/NDF : 719798.7/36

reg_asym_right_dd_mean vs Slug



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

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

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

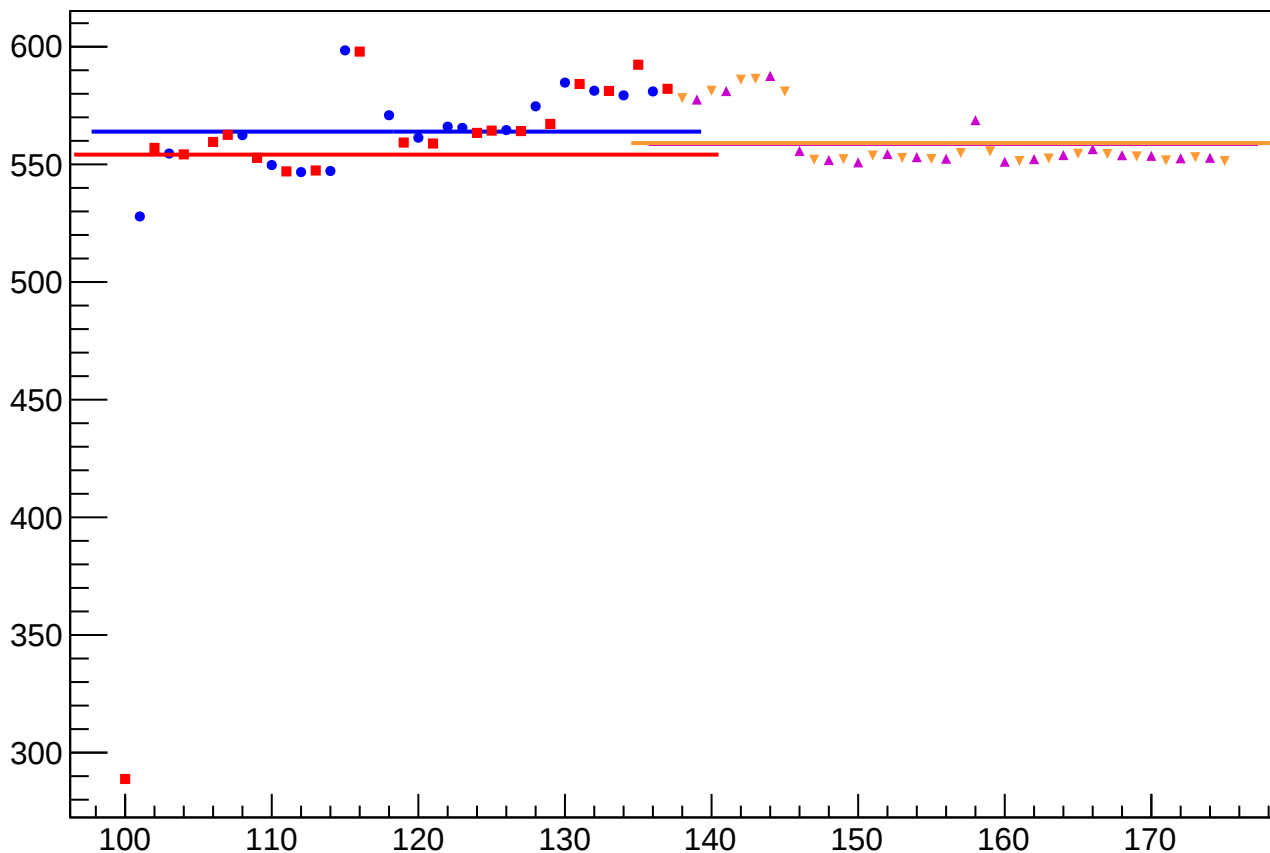
Left In: -1179.041 $\pm$ 148.991 χ^2 /NDF:25.6/17

+ sign 1161.388 $\pm$ 120.153 χ^2 /NDF: 27.9/36

All: 37.735 $\pm$ 85.312 χ^2 /NDF: 242.8/73

- sign -1104.661 $\pm$ 121.151 χ^2 /NDF: 38.6/36

reg_asym_right_dd_rms vs Slug



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

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

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

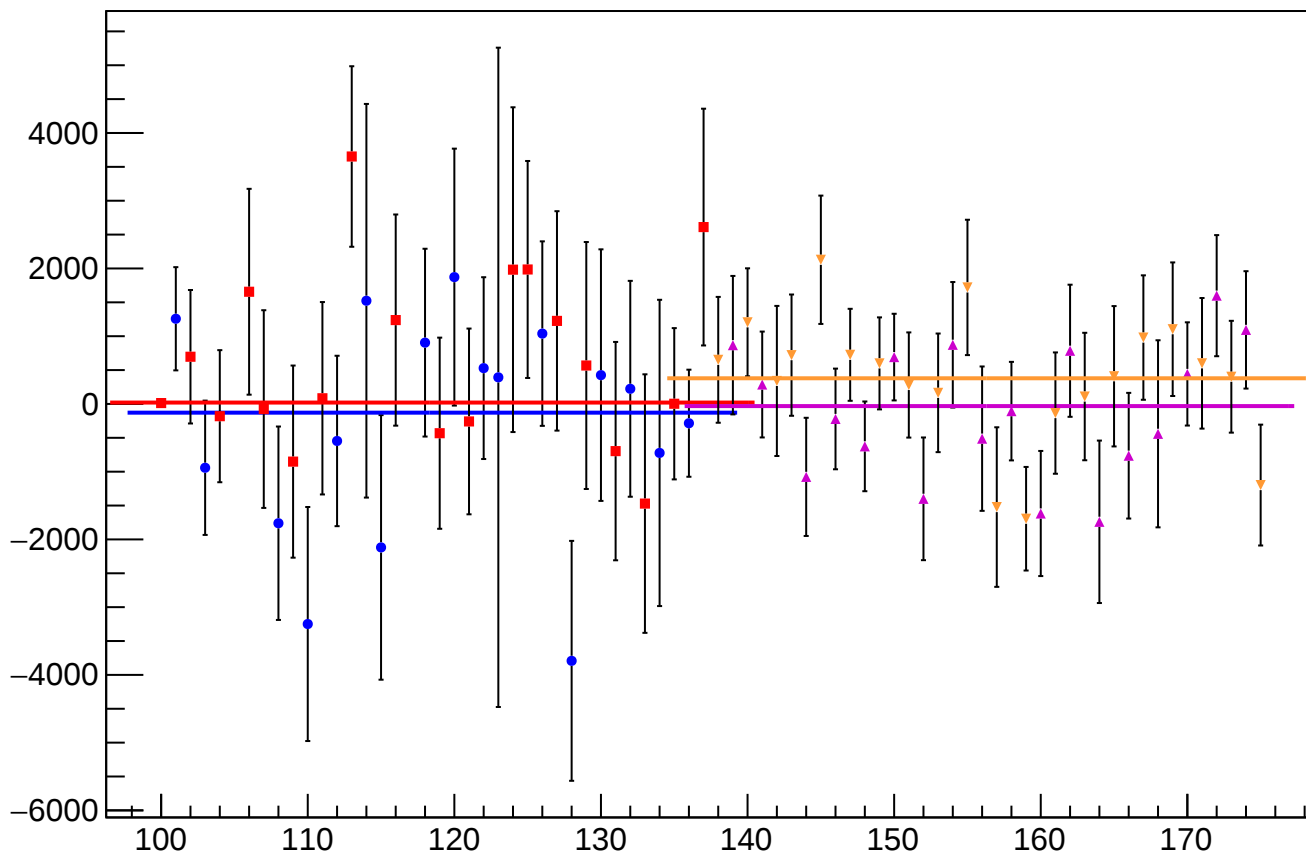
Left In: 558.657 $\pm$ 0.105 χ^2 /NDF:11100.4/17

+ sign 560.525 $\pm$ 0.085 χ^2 /NDF: 27108.0/36

All: 558.841 $\pm$ 0.060 χ^2 /NDF: 171587.5/73

- sign 557.128 $\pm$ 0.086 χ^2 /NDF: 143686.9/36

asym_right_dd_correction_mean vs Slug



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

Left Out: 378.870 ± 196.242 $\chi^2/\text{NDF}: 21.5/19$

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

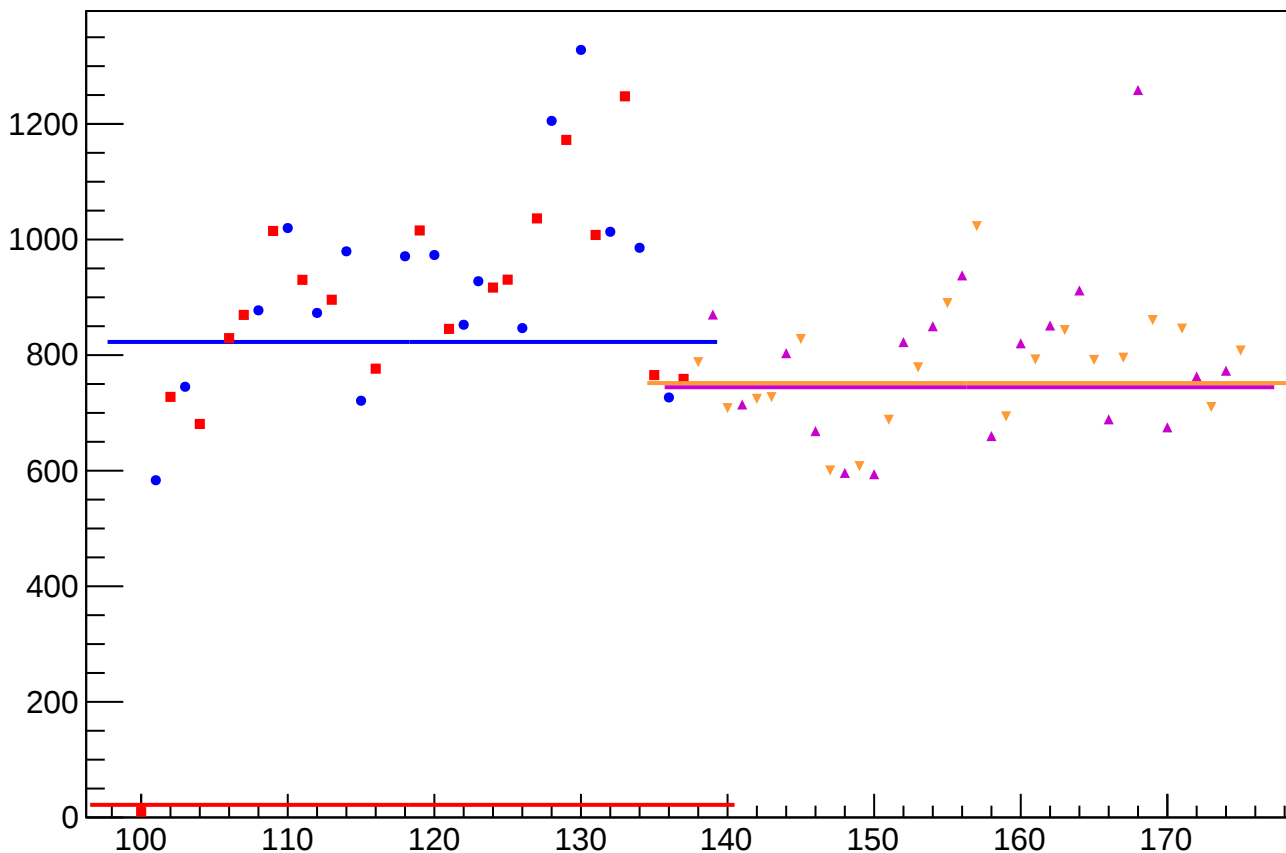
Left In: -31.679 ± 201.985 $\chi^2/\text{NDF}: 19.8/17$

+ sign 244.879 ± 168.360 $\chi^2/\text{NDF}: 40.5/36$

All: 29.627 ± 37.299 $\chi^2/\text{NDF}: 78.1/73$

- sign 18.517 ± 38.249 $\chi^2/\text{NDF}: 35.9/36$

asym_right_dd_correction_rms vs Slug



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

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

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

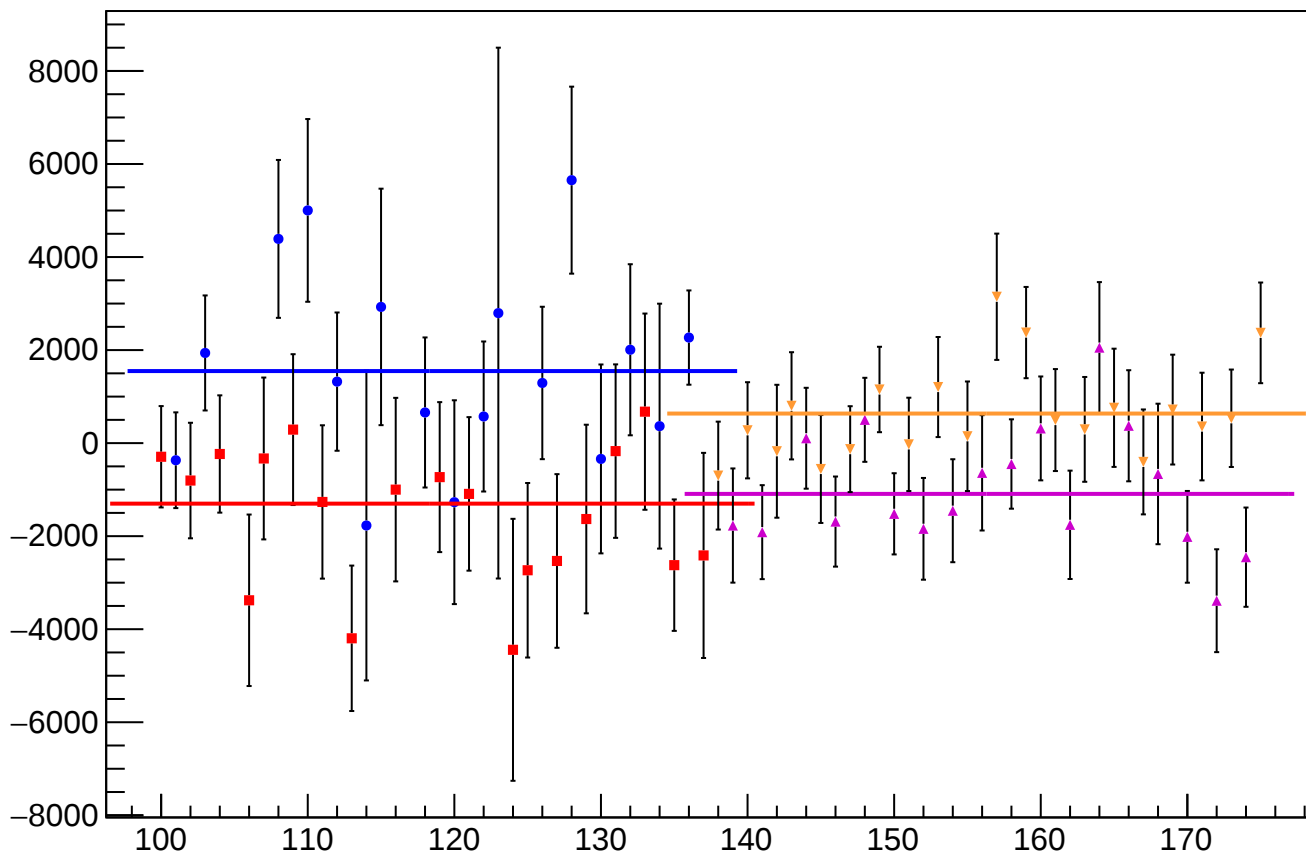
Left In: 744.418 $\pm$ 0.143 χ^2 /NDF: 788594.4/17

+ sign 770.389 $\pm$ 0.119 χ^2 /NDF: 1142316.7/36

All: 83.194 $\pm$ 0.026 χ^2 /NDF: 75174319.4/73

- sign 47.725 $\pm$ 0.027 χ^2 /NDF: 38991708.2/36

asym_right_dd_mean vs Slug



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

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

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

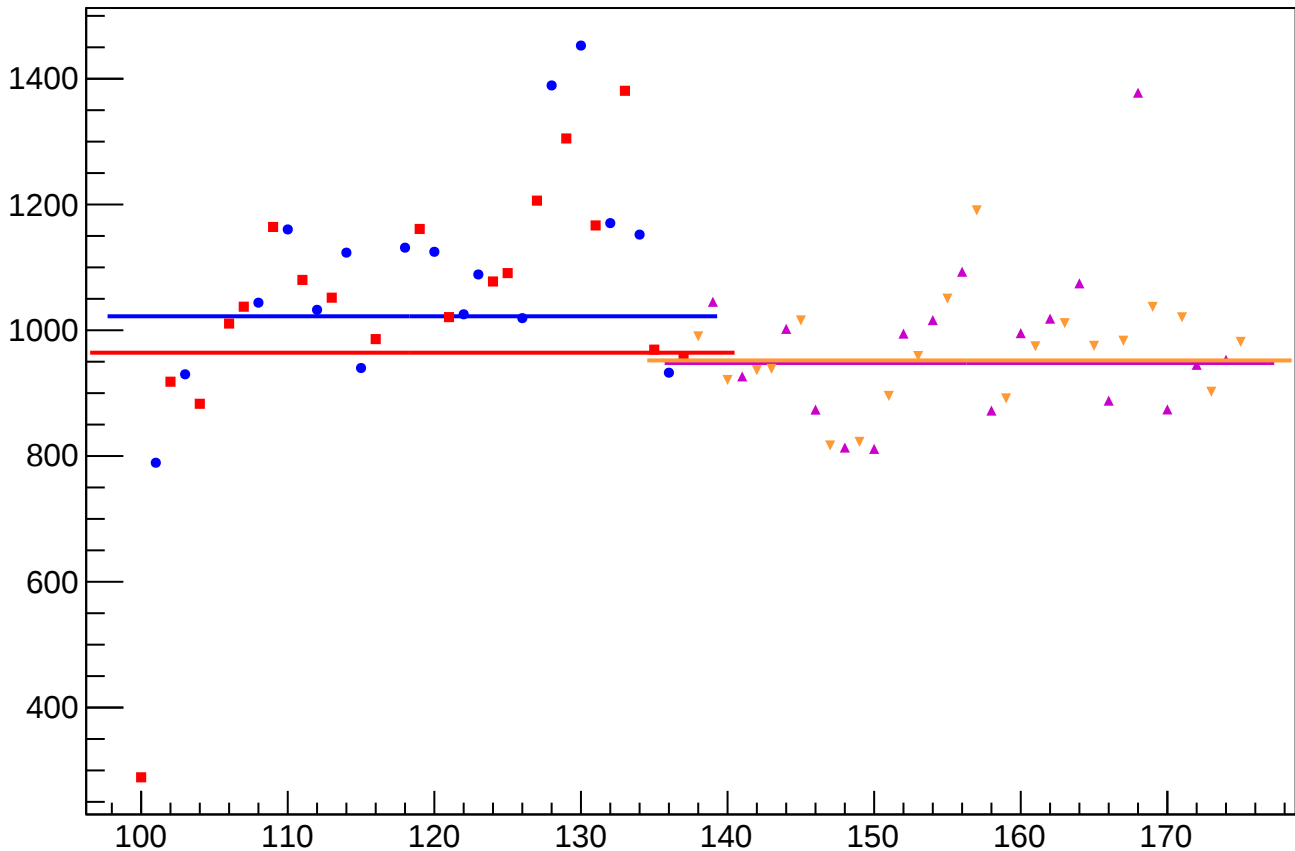
Left In: -1091.462 $\pm$ 254.868 χ^2 /NDF:22.4/17

+ sign 885.315 $\pm$ 210.208 χ^2 /NDF: 37.6/36

All: -132.316 $\pm$ 148.910 χ^2 /NDF: 119.8/73

- sign -1157.401 $\pm$ 210.976 χ^2 /NDF: 35.1/36

asym_right_dd_rms vs Slug



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

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

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

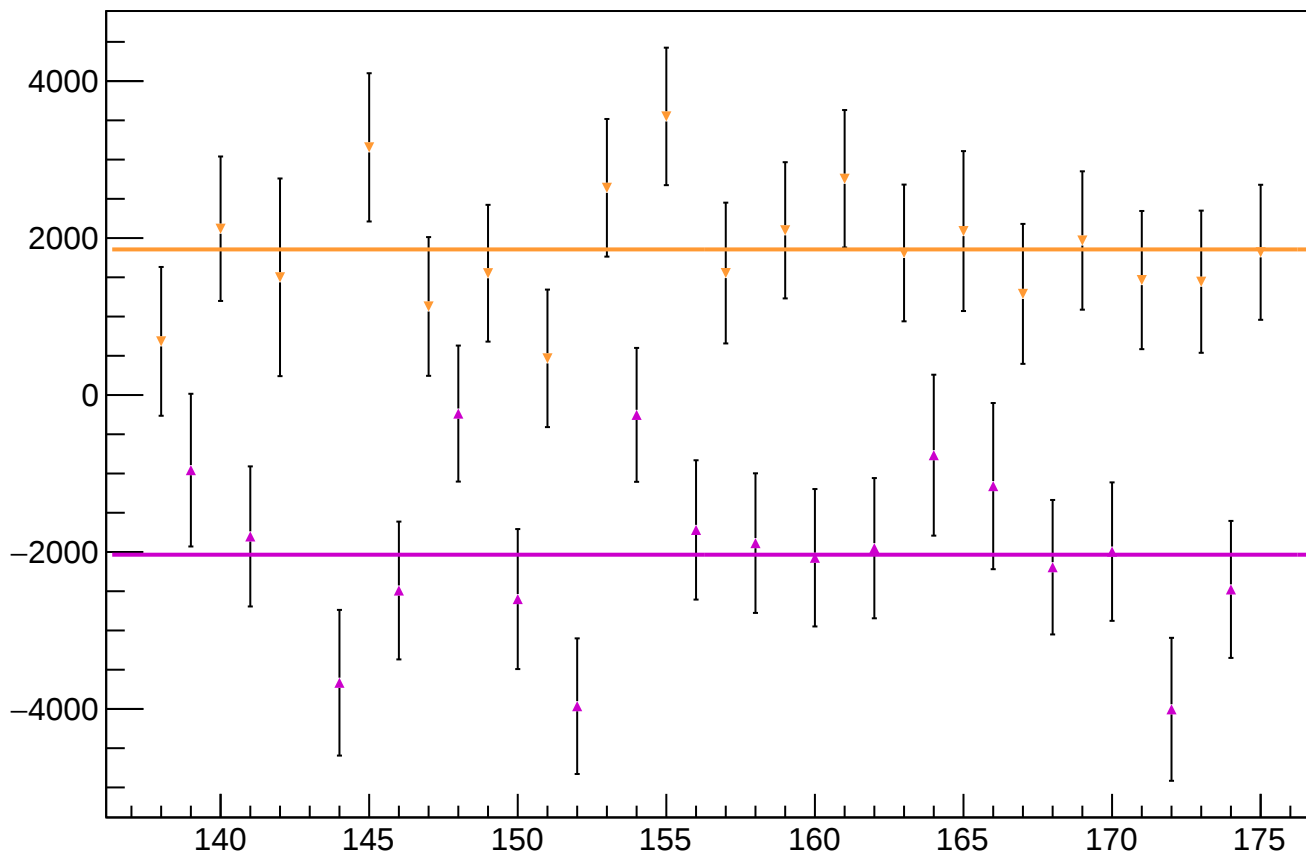
Left In: 947.998+/-0.180 χ^2/NDF : 380114.5/17

+ sign 971.239+/-0.149 χ^2/NDF : 591214.3/36

All: 962.222+/-0.105 χ^2/NDF : 2048582.7/73

- sign 953.139+/-0.149 χ^2/NDF : 1449980.8/36

cor_asym_us_avg_mean vs Slug



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

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

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

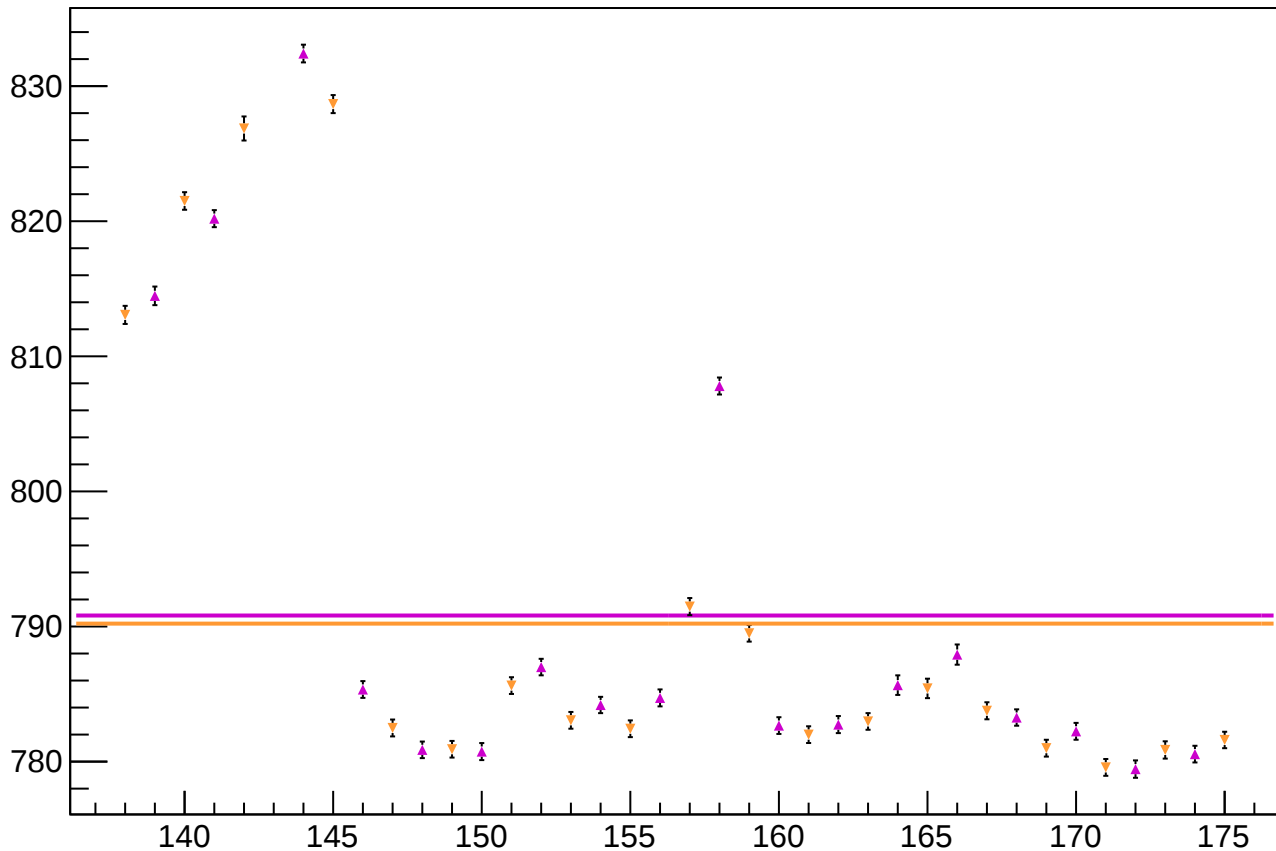
Left In: -2034.637+/-212.380 χ^2/NDF :26.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -49.349+/-148.613 χ^2/NDF : 210.8/36

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

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

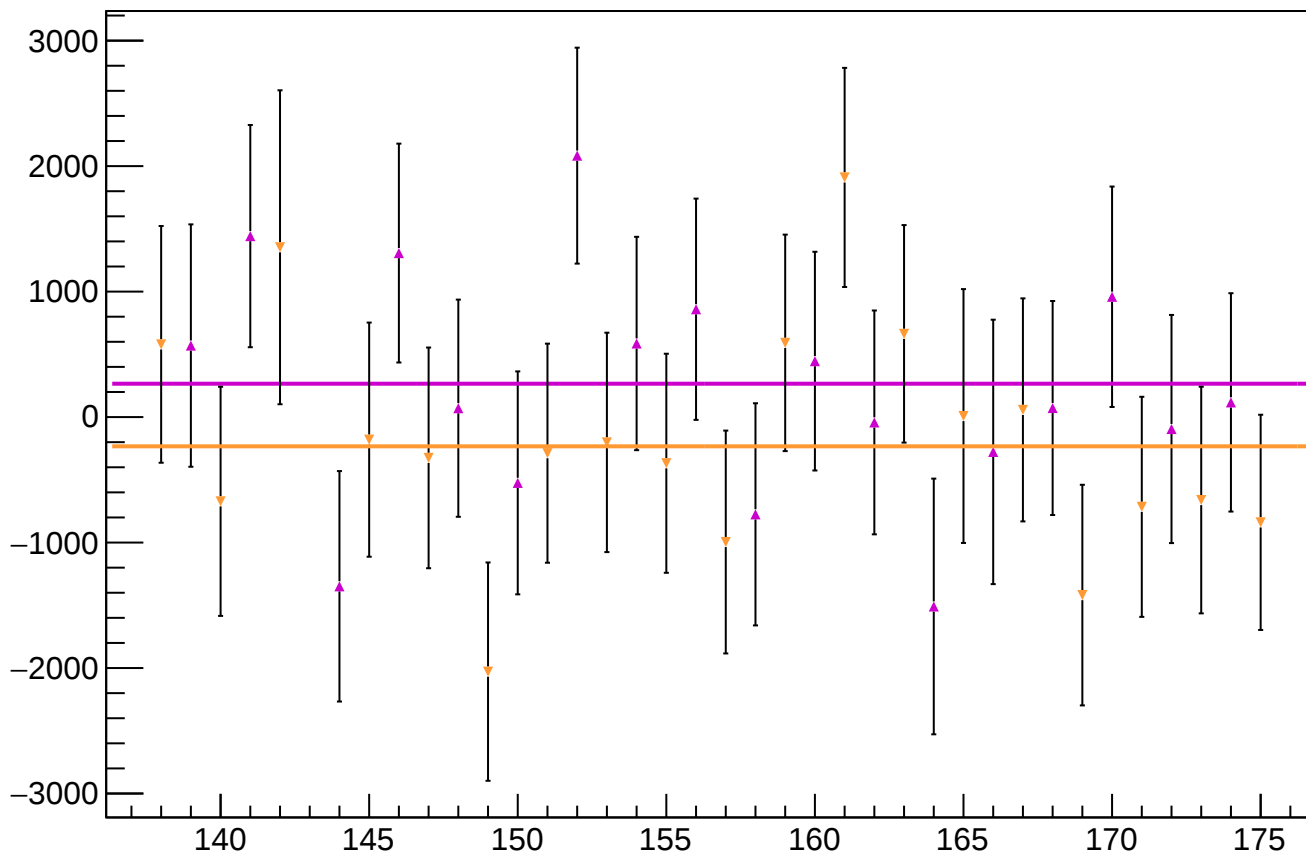
Left In: 790.814+/-0.150 χ^2/NDF :10280.5/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 790.507+/-0.105 χ^2/NDF : 20890.0/36

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

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

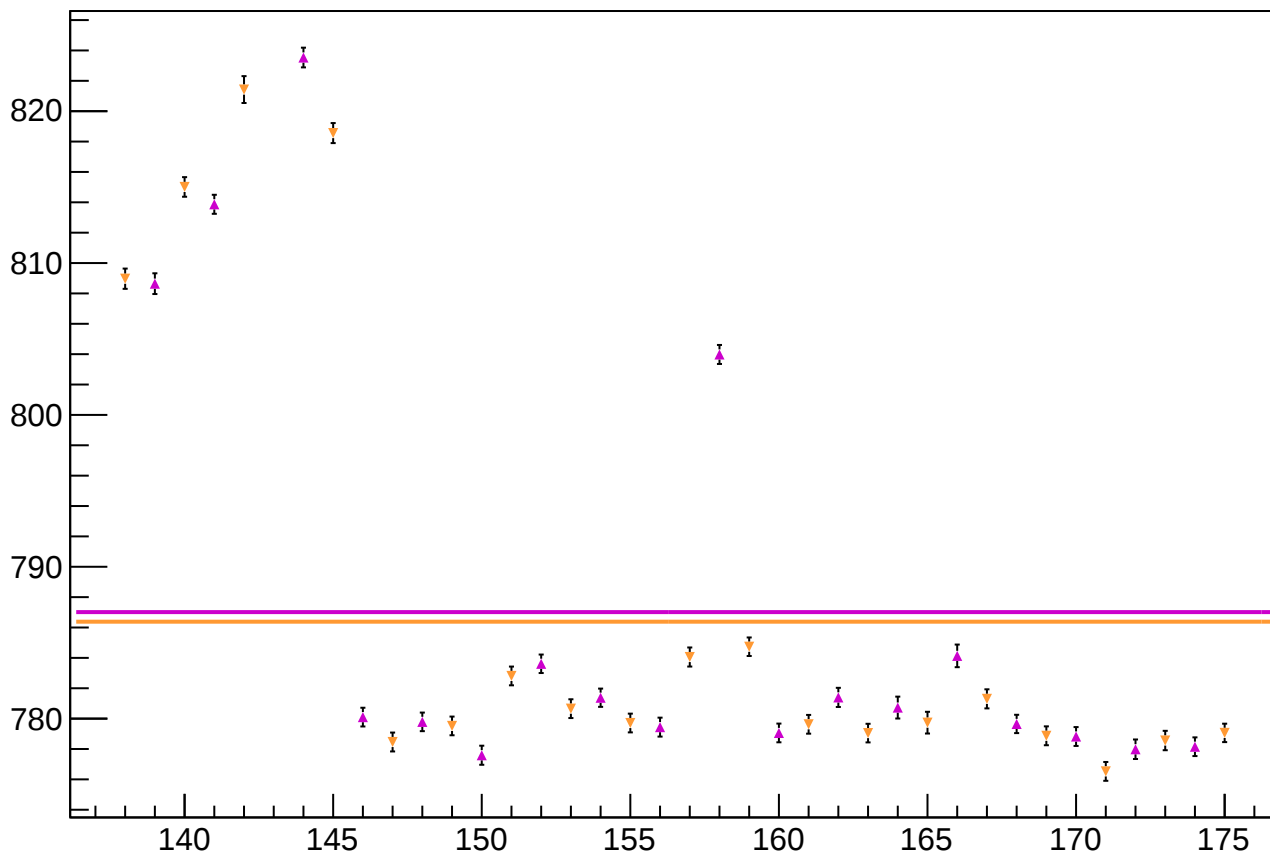
Left In: 265.918+/-211.350 χ^2/NDF :18.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 11.263+/-147.887 χ^2/NDF : 39.5/36

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

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

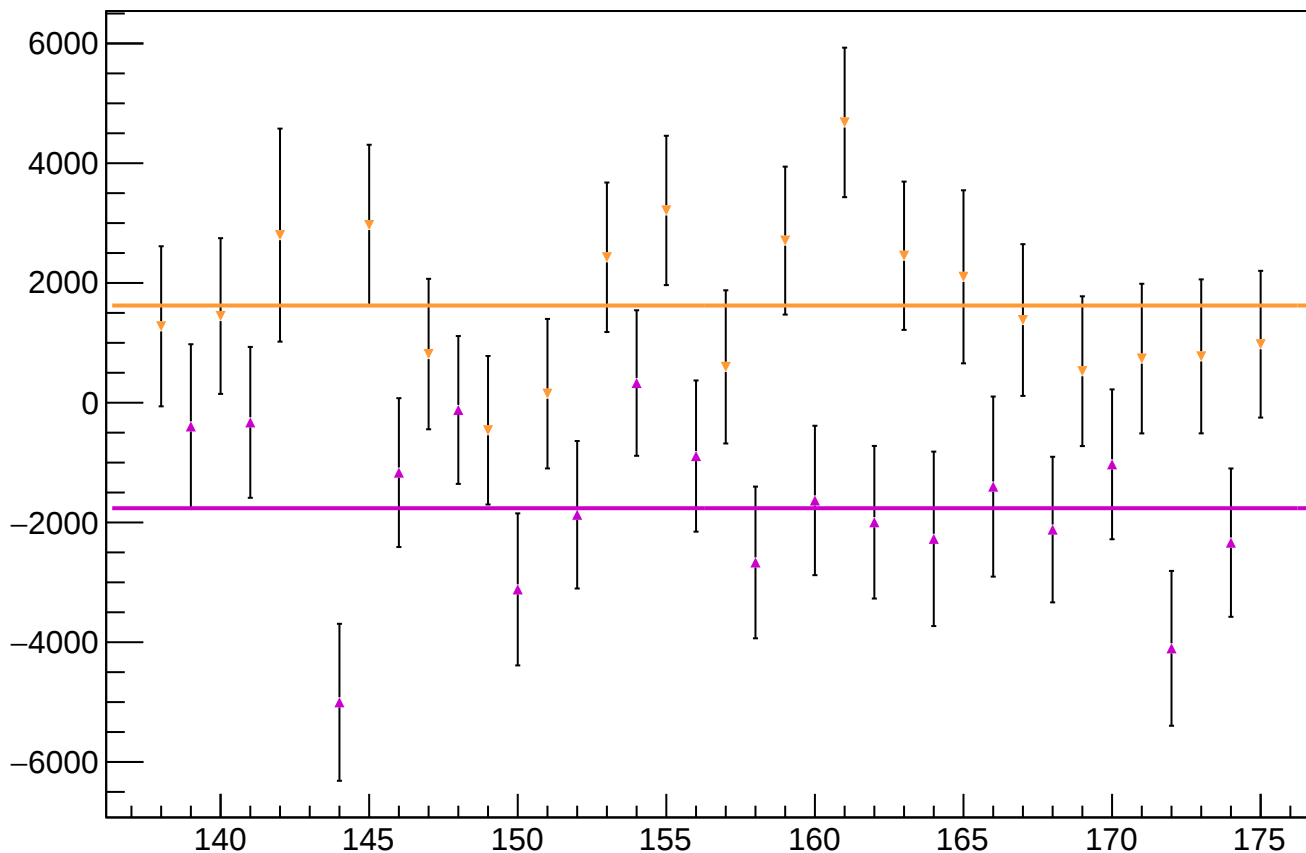
Left In: 787.014+/-0.149 χ^2/NDF : 8562.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 786.692+/-0.105 χ^2/NDF : 17286.0/36

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usl_mean vs Slug



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

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

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

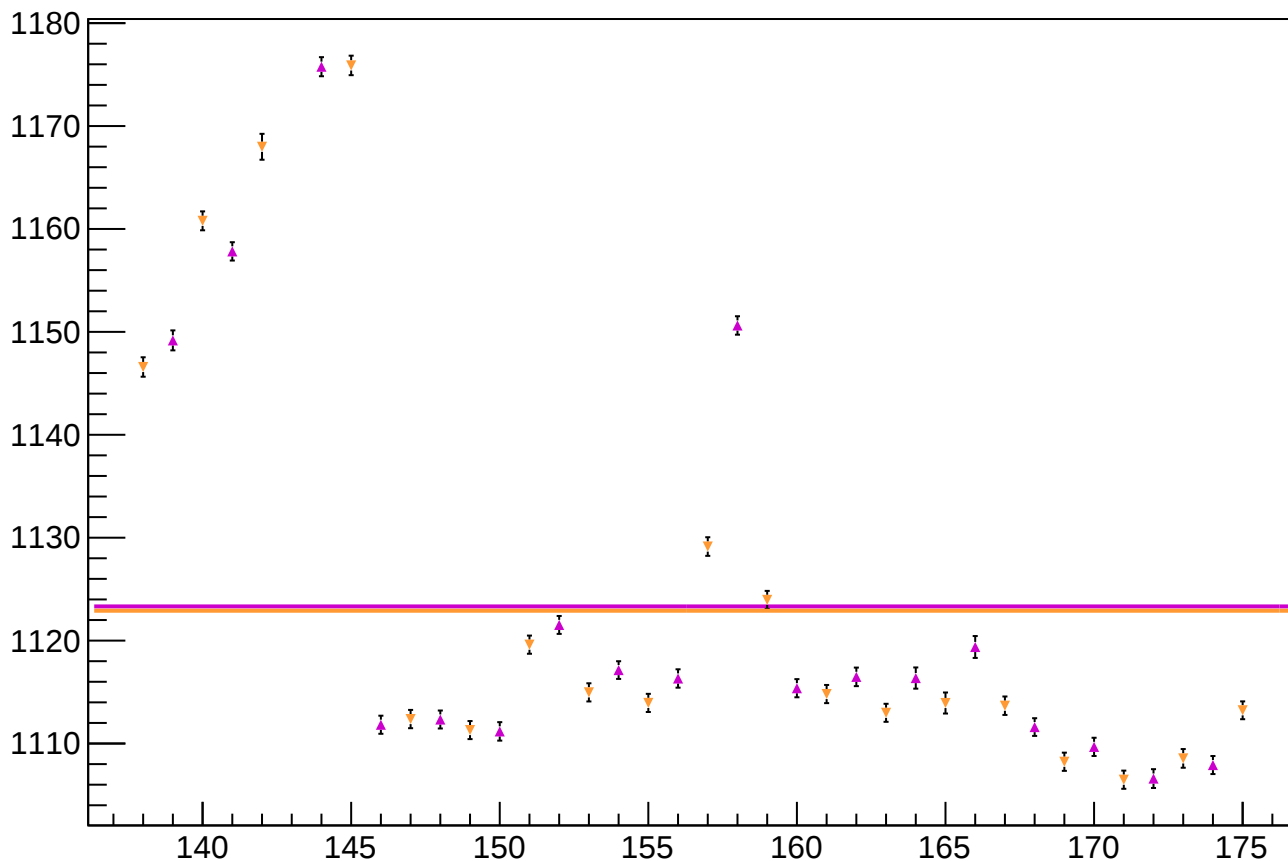
Left In: -1762.090+/-301.664 χ^2/NDF : 19.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -34.911+/-211.130 χ^2/NDF : 102.1/36

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usl_rms vs Slug



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

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

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

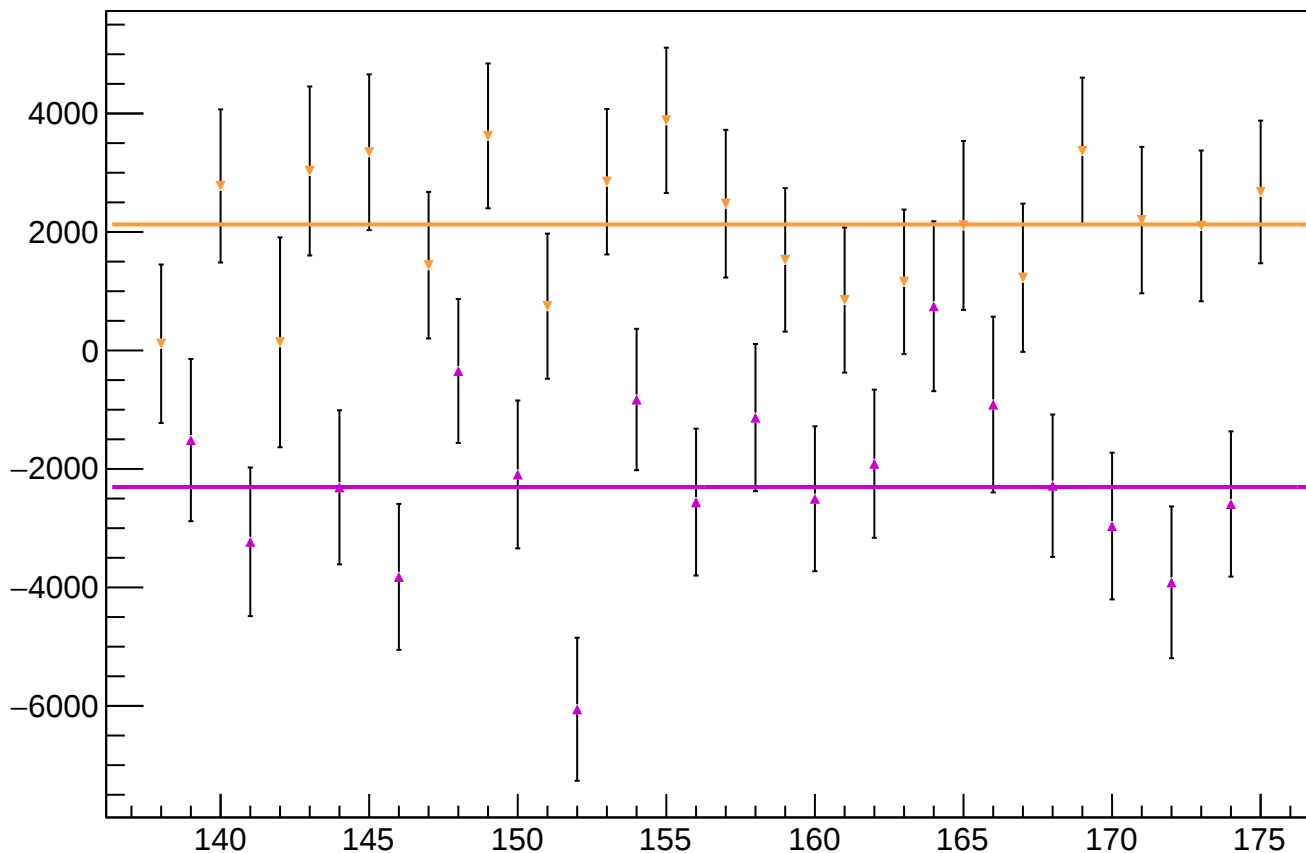
Left In: 1123.322+/-0.213 χ^2/NDF : 8234.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1123.109+/-0.149 χ^2/NDF : 16923.9/36

- 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: 2127.934+/-285.451 χ^2/NDF :14.3/19

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

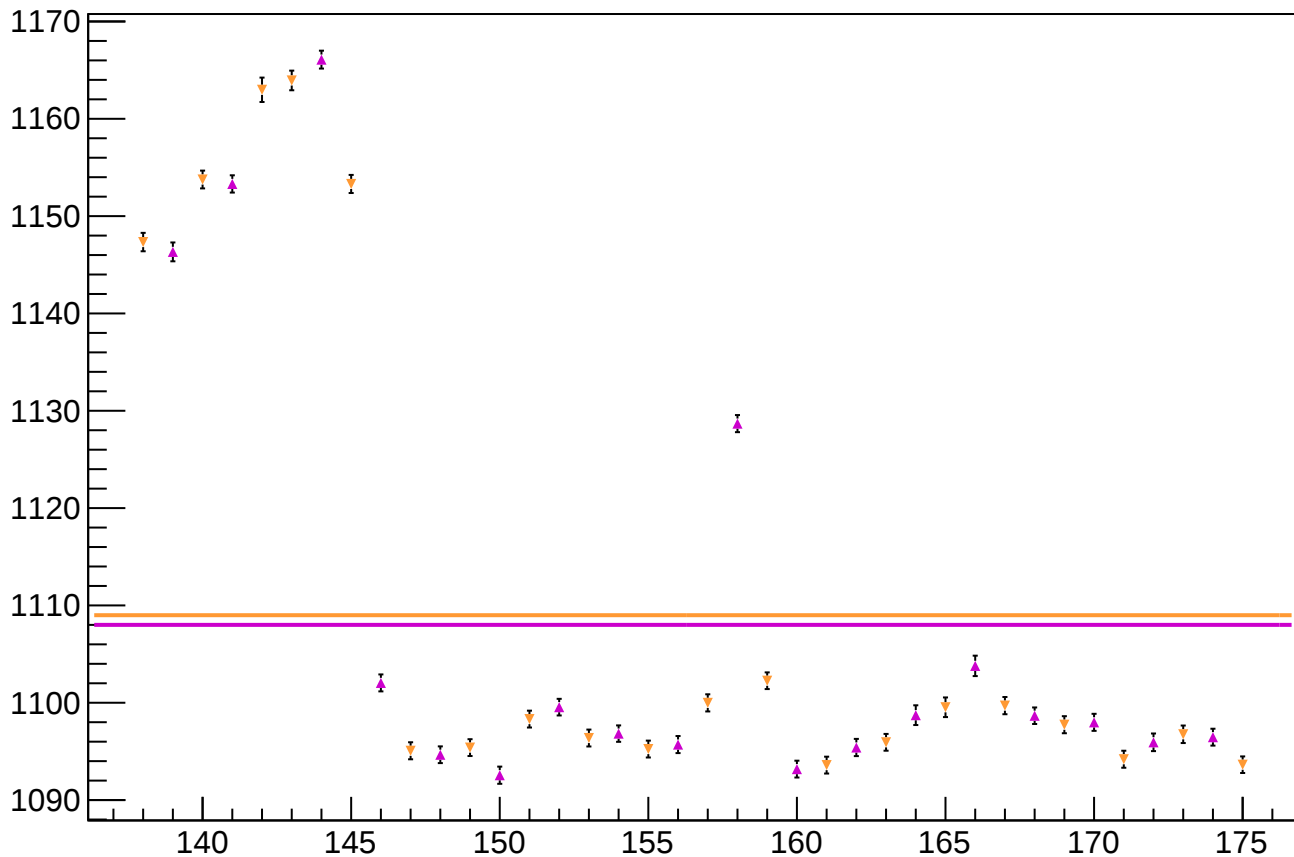
Left In: -2304.647+/-297.565 χ^2/NDF :24.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 3.706+/-205.994 χ^2/NDF : 154.4/37

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

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

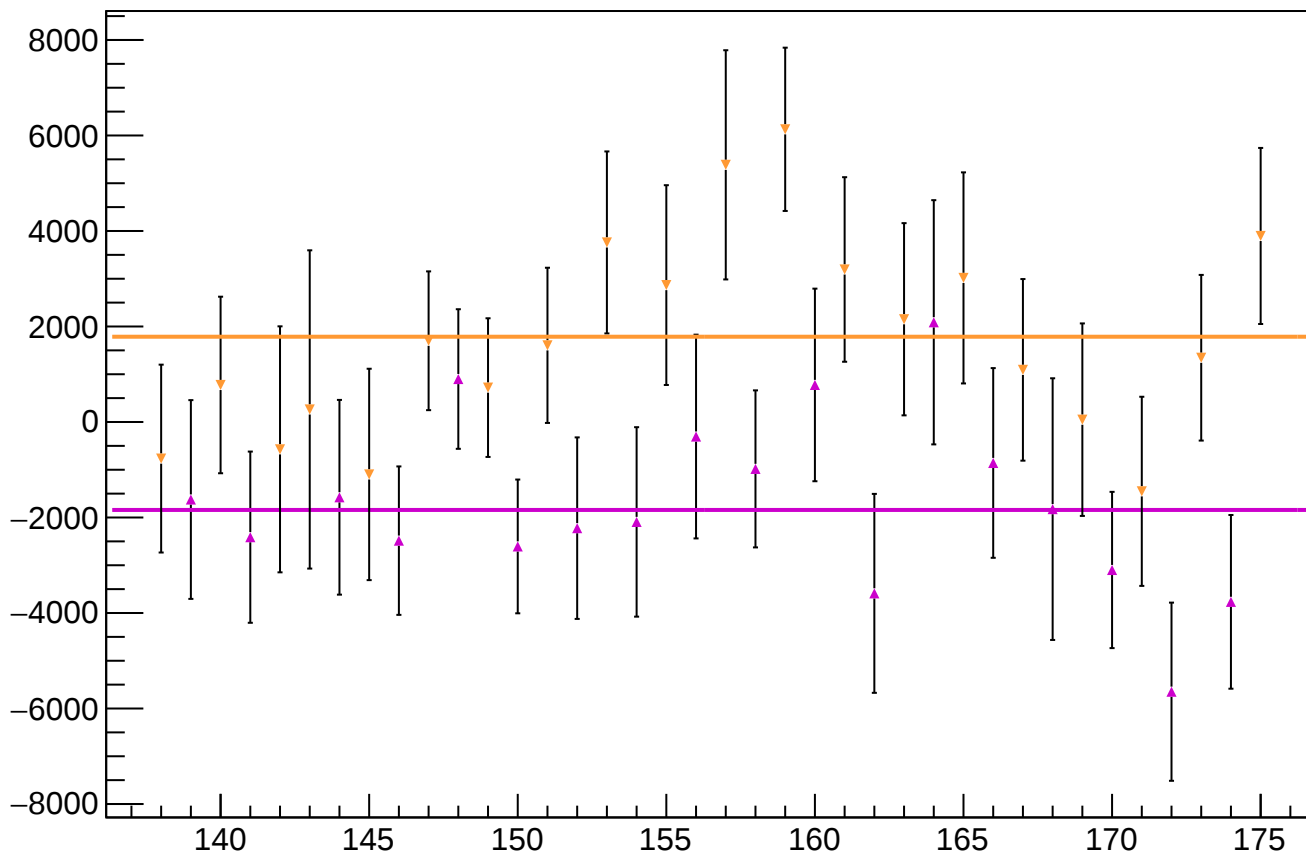
Left In: 1108.001+/-0.210 χ^2/NDF : 10985.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1108.519+/-0.146 χ^2/NDF : 25124.4/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_mean vs Slug



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

Left Out: 1785.793 $\pm$ 427.732 χ^2 /NDF:21.1/19

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

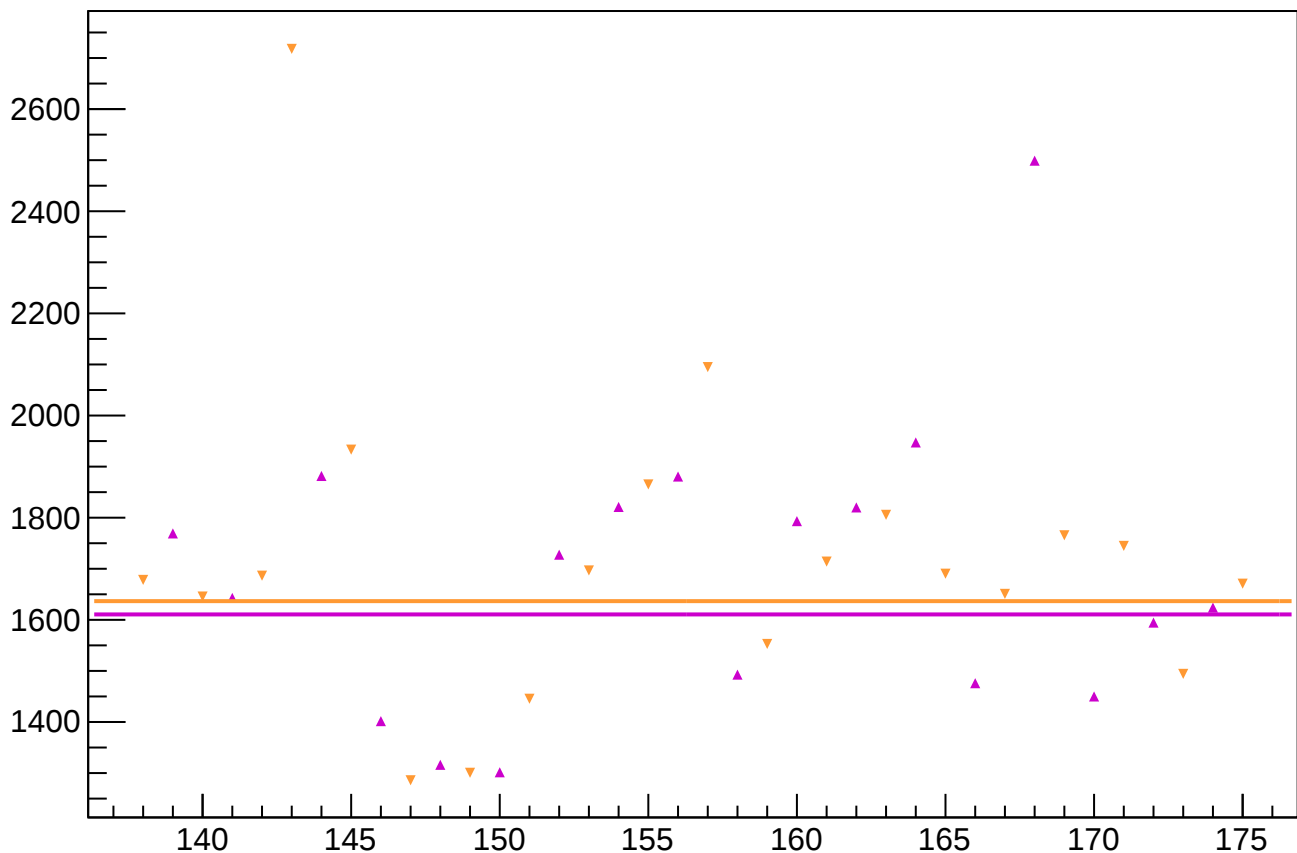
Left In: -1841.838 $\pm$ 435.445 χ^2 /NDF:15.8/17

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

All: 4.389 $\pm$ 305.143 χ^2 /NDF: 72.3/37

- sign 0.000 $\pm$ 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: 1636.621+/-0.302 χ^2/NDF : 649983.3/19

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

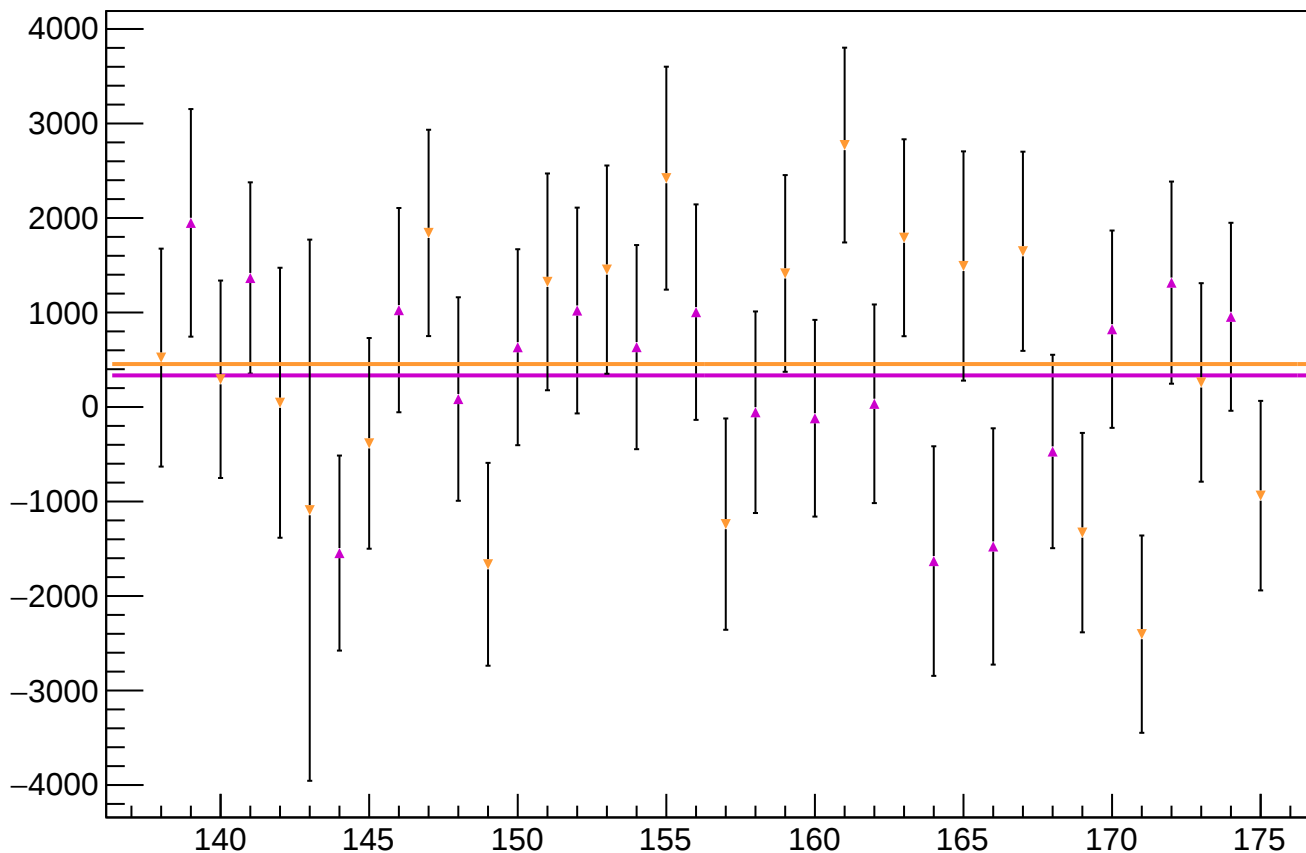
Left In: 1610.606+/-0.308 χ^2/NDF : 645001.2/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1623.846+/-0.216 χ^2/NDF : 1298617.6/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_mean vs Slug



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

Left Out: 454.420 $\pm$ 250.174 χ^2 /NDF:34.8/19

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

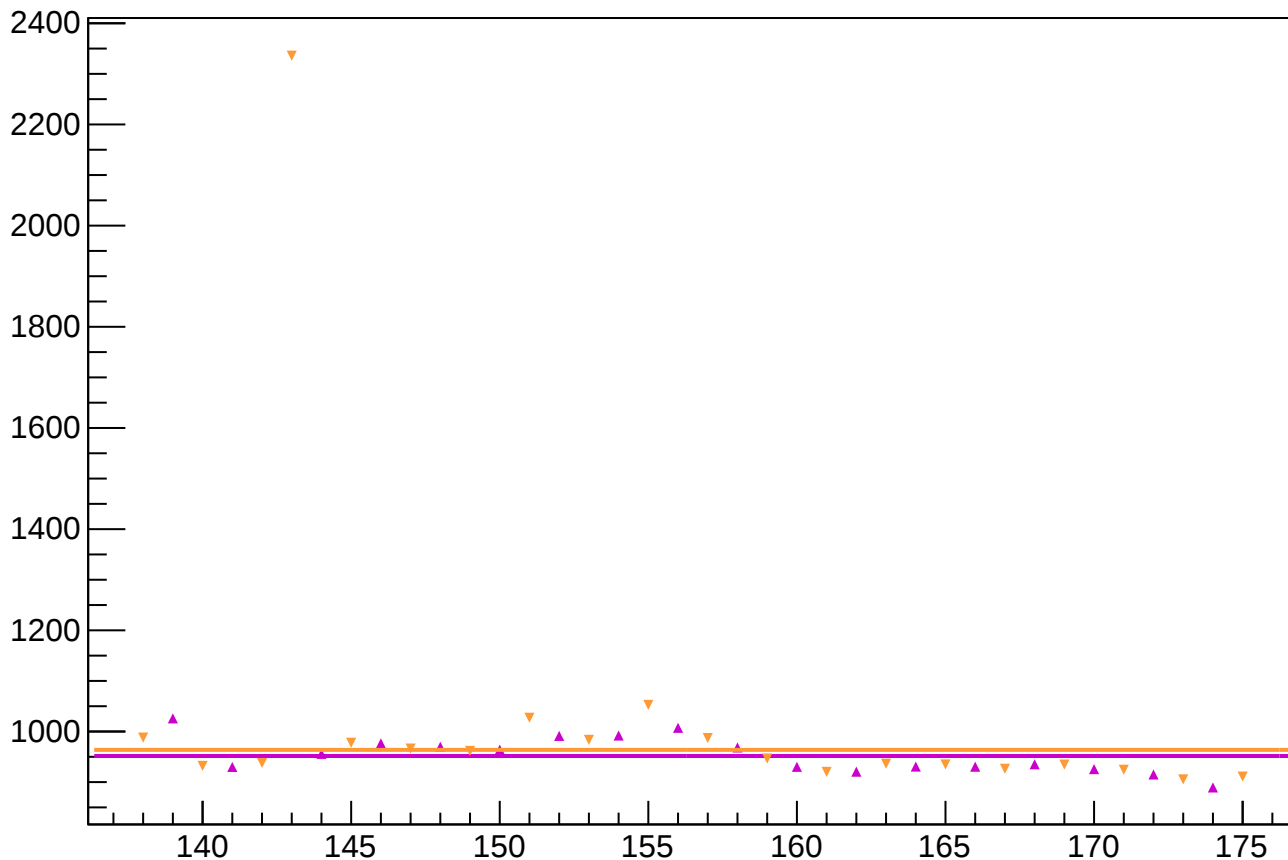
Left In: 334.387 $\pm$ 253.944 χ^2 /NDF:14.7/17

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

All: 395.301 $\pm$ 178.218 χ^2 /NDF: 49.7/37

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

asym_us_agg_dd_rms vs Slug



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

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

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

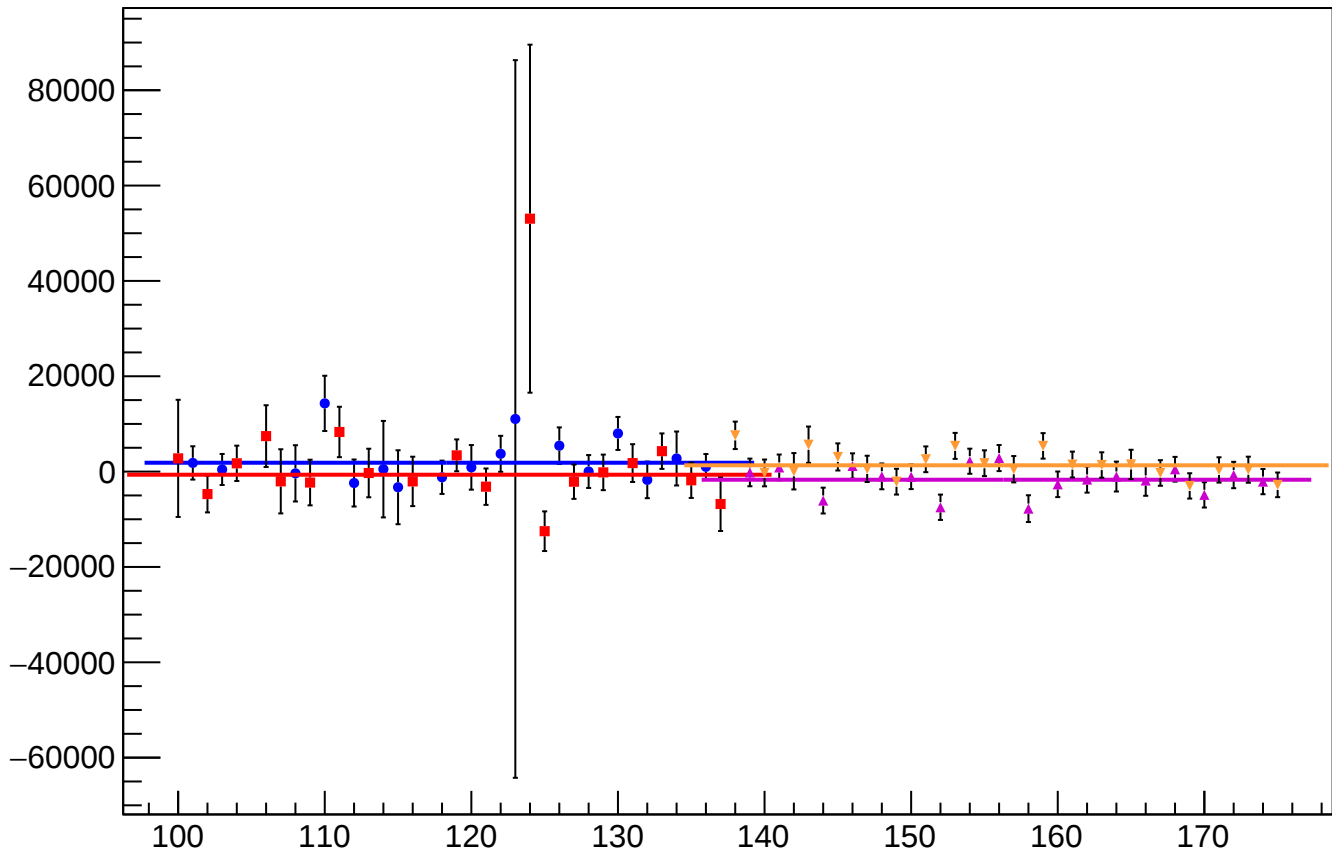
Left In: 951.559+/-0.180 χ^2/NDF : 36910.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 957.726+/-0.126 χ^2/NDF : 546529.1/37

- 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: 1320.923 $\pm$ 626.818 χ^2 /NDF:19.2/19

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

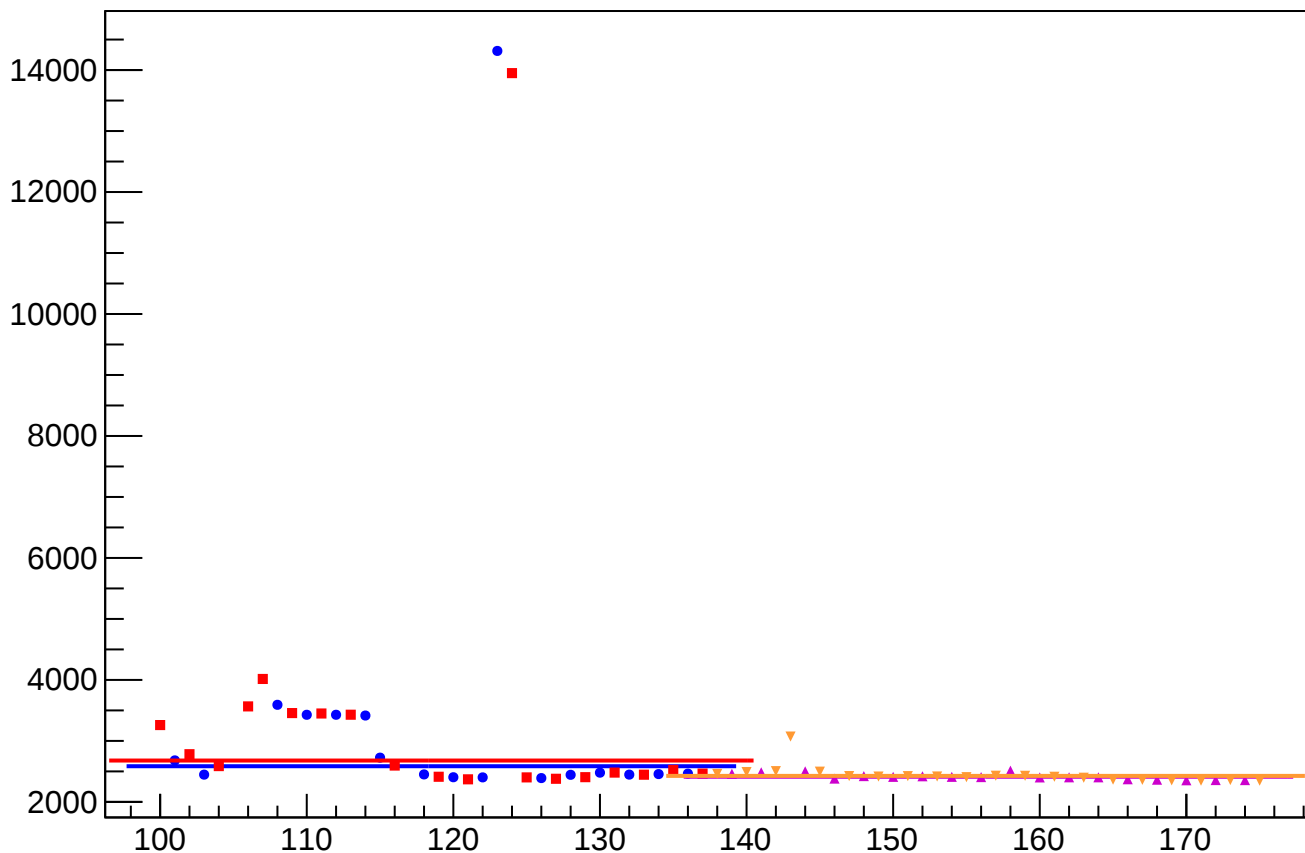
Left In: -1706.435 $\pm$ 645.366 χ^2 /NDF:21.9/17

+ sign 1470.021 $\pm$ 533.091 χ^2 /NDF: 31.9/36

All: 65.677 $\pm$ 381.416 χ^2 /NDF: 90.9/73

- sign -1407.209 $\pm$ 545.945 χ^2 /NDF: 44.7/36

reg_asym_atl1_rms vs Slug



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

Left Out: 2426.465+/-0.443 χ^2/NDF : 69424.6/19

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

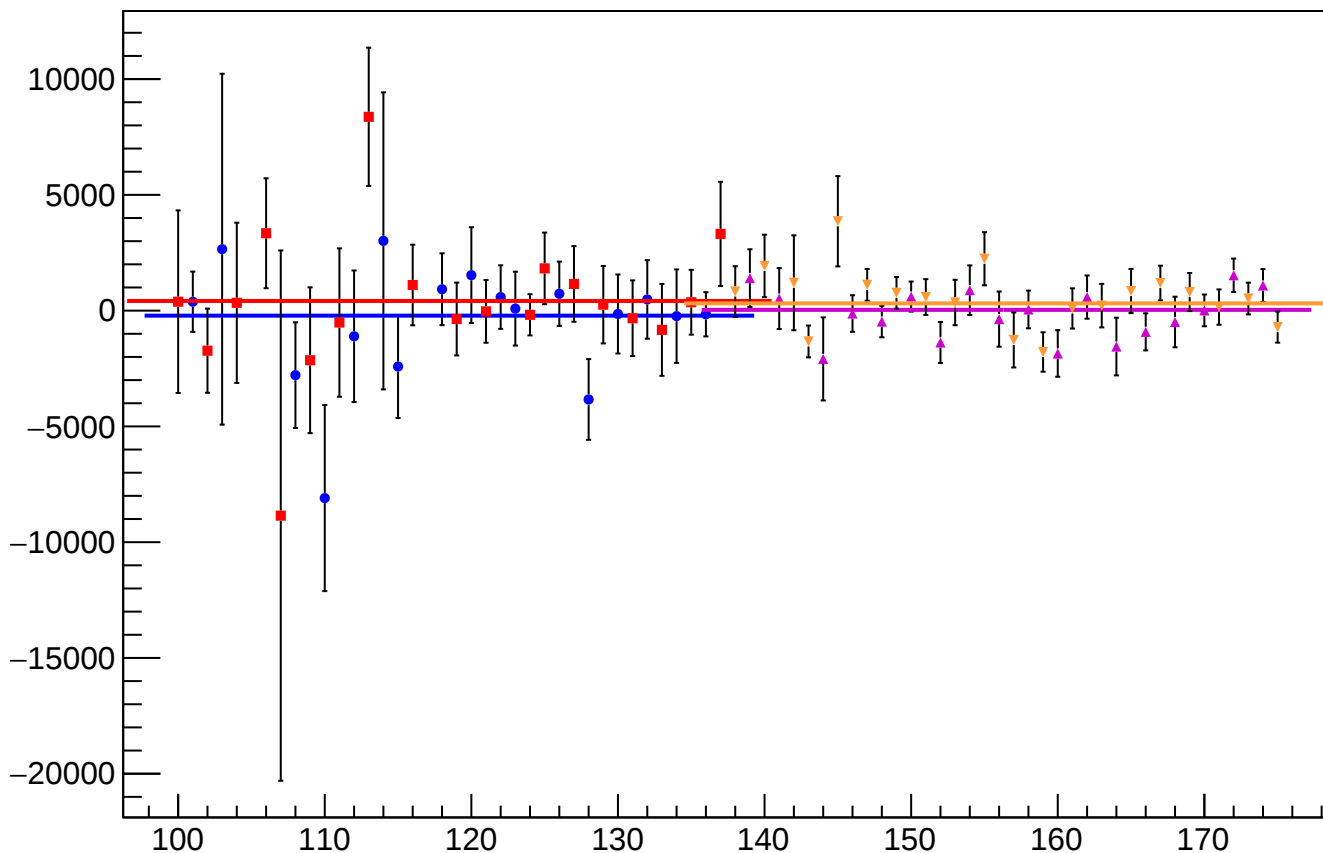
Left In: 2412.265+/-0.456 χ^2/NDF : 10658.1/17

+ sign 2470.282+/-0.377 χ^2/NDF : 360454.0/36

All: 2478.880+/-0.270 χ^2/NDF : 1000869.9/73

- sign 2487.898+/-0.386 χ^2/NDF : 639349.8/36

asym_atl1_correction_mean vs Slug



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

Left Out: 313.073 $\pm$ 193.547 χ^2 /NDF: 28.1/19

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

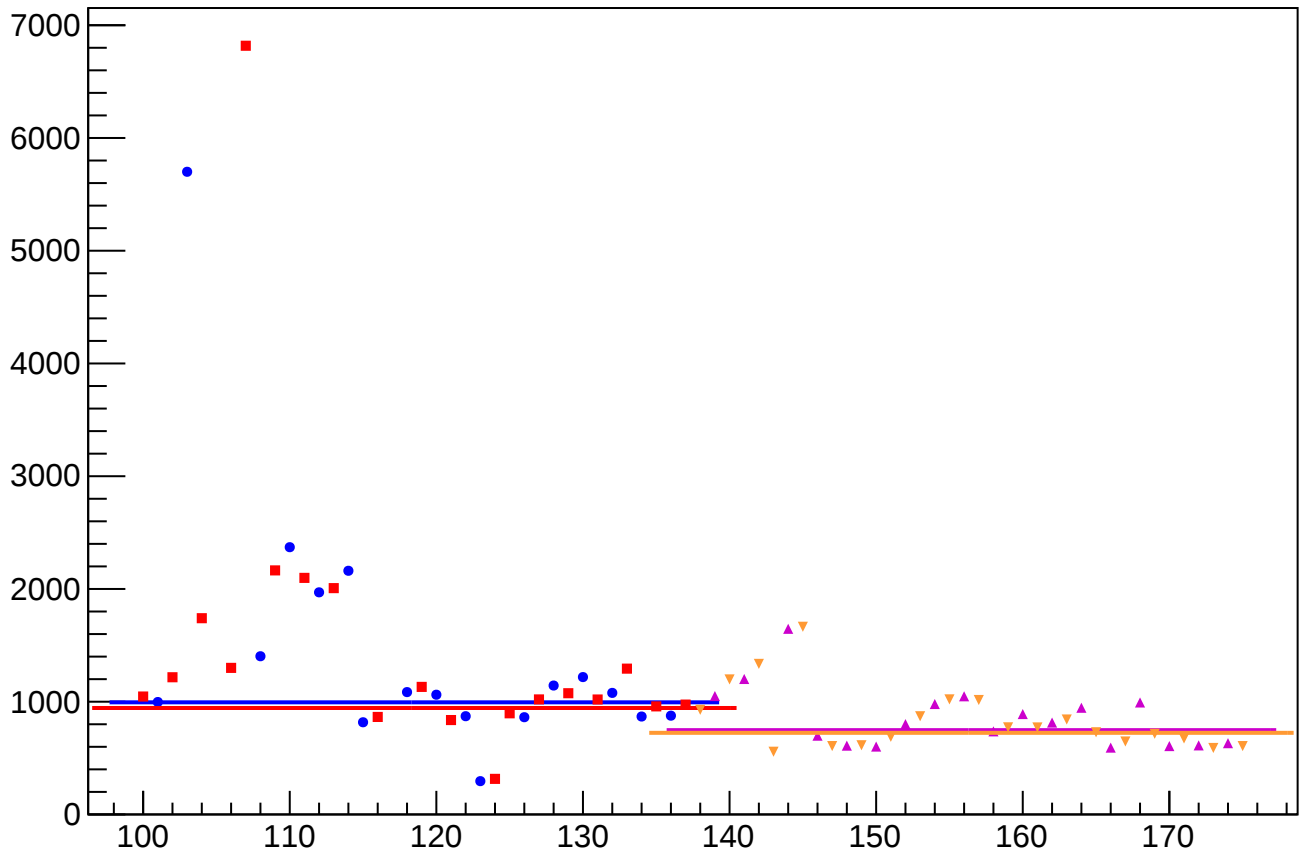
Left In: 32.557 $\pm$ 207.418 χ^2 /NDF: 21.0/17

+ sign 220.250 $\pm$ 175.786 χ^2 /NDF: 42.8/36

All: 168.529 $\pm$ 127.428 χ^2 /NDF: 80.3/73

- sign 111.252 $\pm$ 184.987 χ^2 /NDF: 37.4/36

asym_atl1_correction_rms vs Slug



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

Left Out: 724.011+/-0.137 χ^2/NDF : 1704914.1/19

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

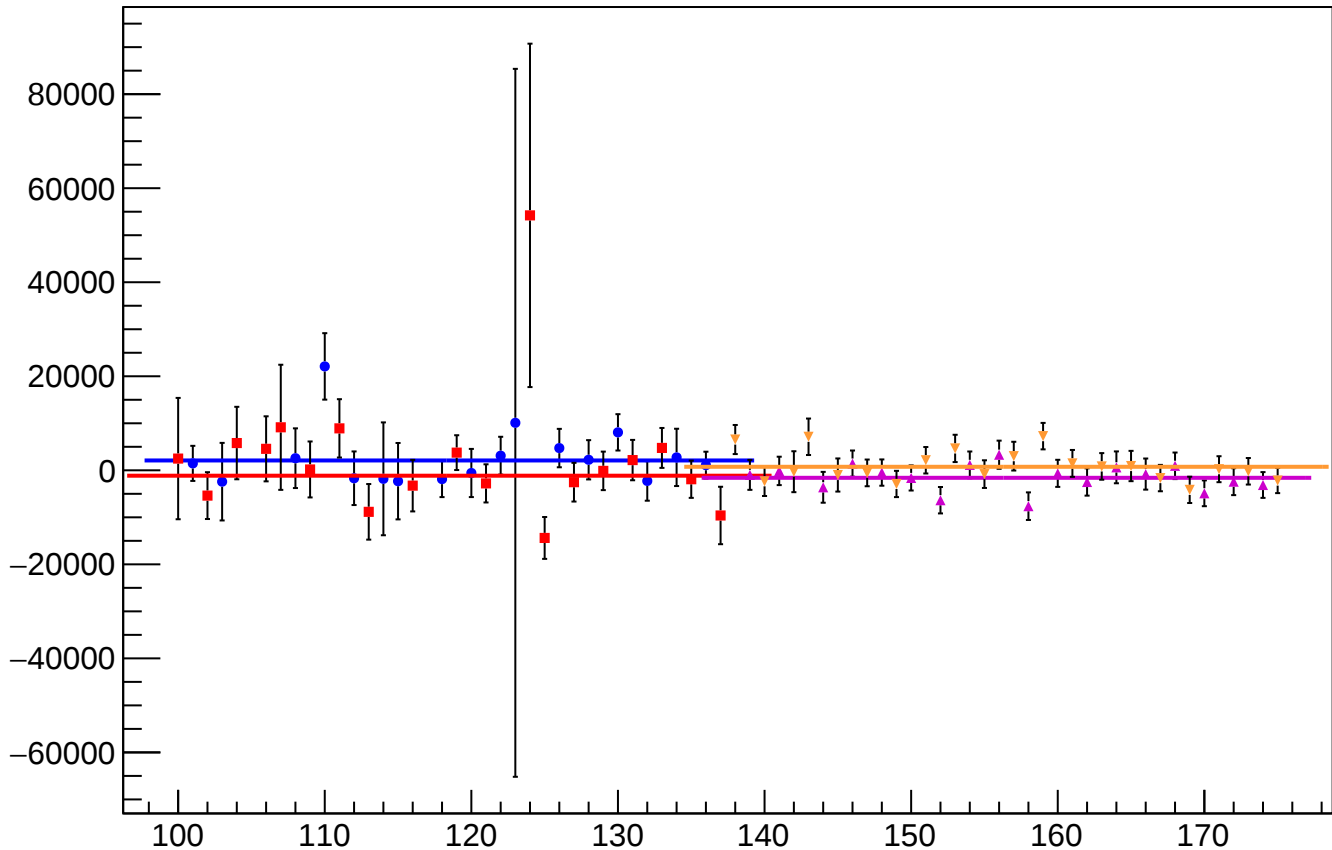
Left In: 747.797+/-0.147 χ^2/NDF : 1762283.8/17

+ sign 771.384+/-0.124 χ^2/NDF : 4293685.3/36

All: 779.267+/-0.090 χ^2/NDF : 9097653.1/73

- sign 787.997+/-0.131 χ^2/NDF : 4795491.1/36

asym_atl1_mean vs Slug



Right In: 2094.050 $\pm$ 1160.426 χ^2 /NDF: 14.6/16

Left Out: 748.197 $\pm$ 667.151 χ^2 /NDF:22.9/19

Right Out: -1147.788 $\pm$ 1187.007 χ^2 /NDF: 25.1/18

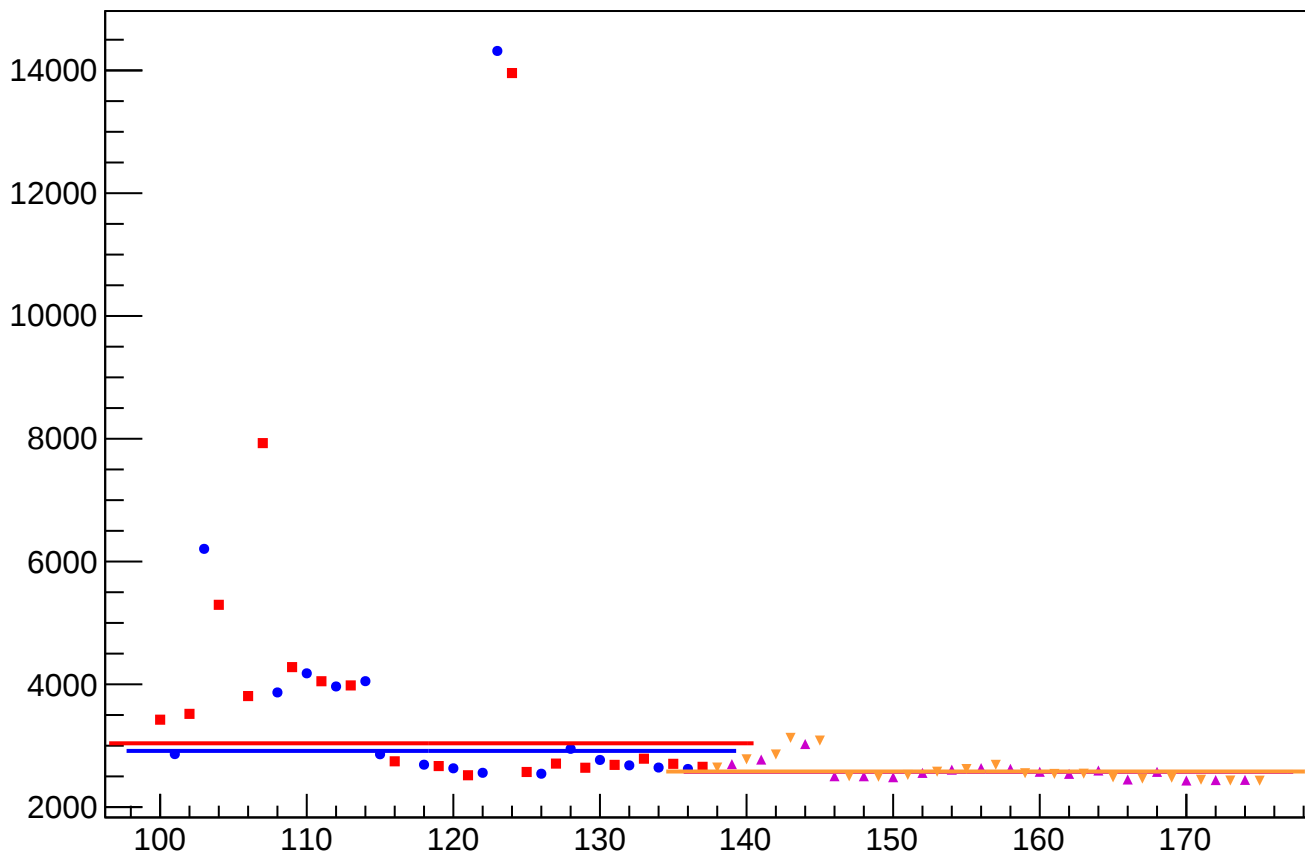
Left In: -1596.147 $\pm$ 688.912 χ^2 /NDF:16.1/17

+ sign 1082.535 $\pm$ 578.378 χ^2 /NDF: 38.5/36

All: -162.188 $\pm$ 415.008 χ^2 /NDF: 89.4/73

- sign -1483.175 $\pm$ 595.833 χ^2 /NDF: 41.3/36

asym_atl1_rms vs Slug



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

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

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

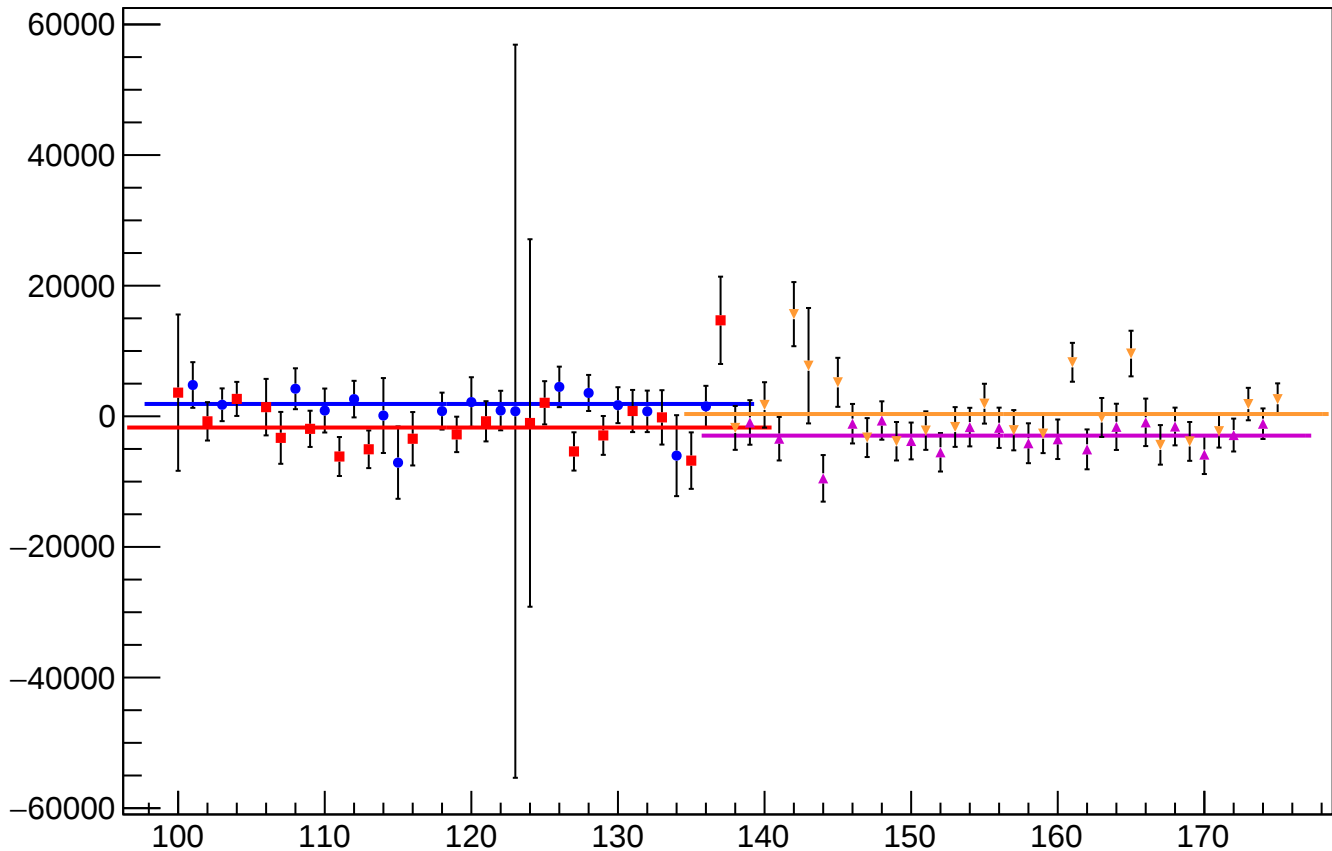
Left In: 2571.954+/-0.487 χ^2/NDF : 74010.9/17

+ sign 2662.979+/-0.409 χ^2/NDF : 894826.2/36

All: 2675.927+/-0.293 χ^2/NDF : 2214037.8/73

- sign 2689.669+/-0.421 χ^2/NDF : 1317145.6/36

reg_asym_atl2_mean vs Slug



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

Left Out: 349.114 ± 691.145 χ^2/NDF : 40.1/19

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

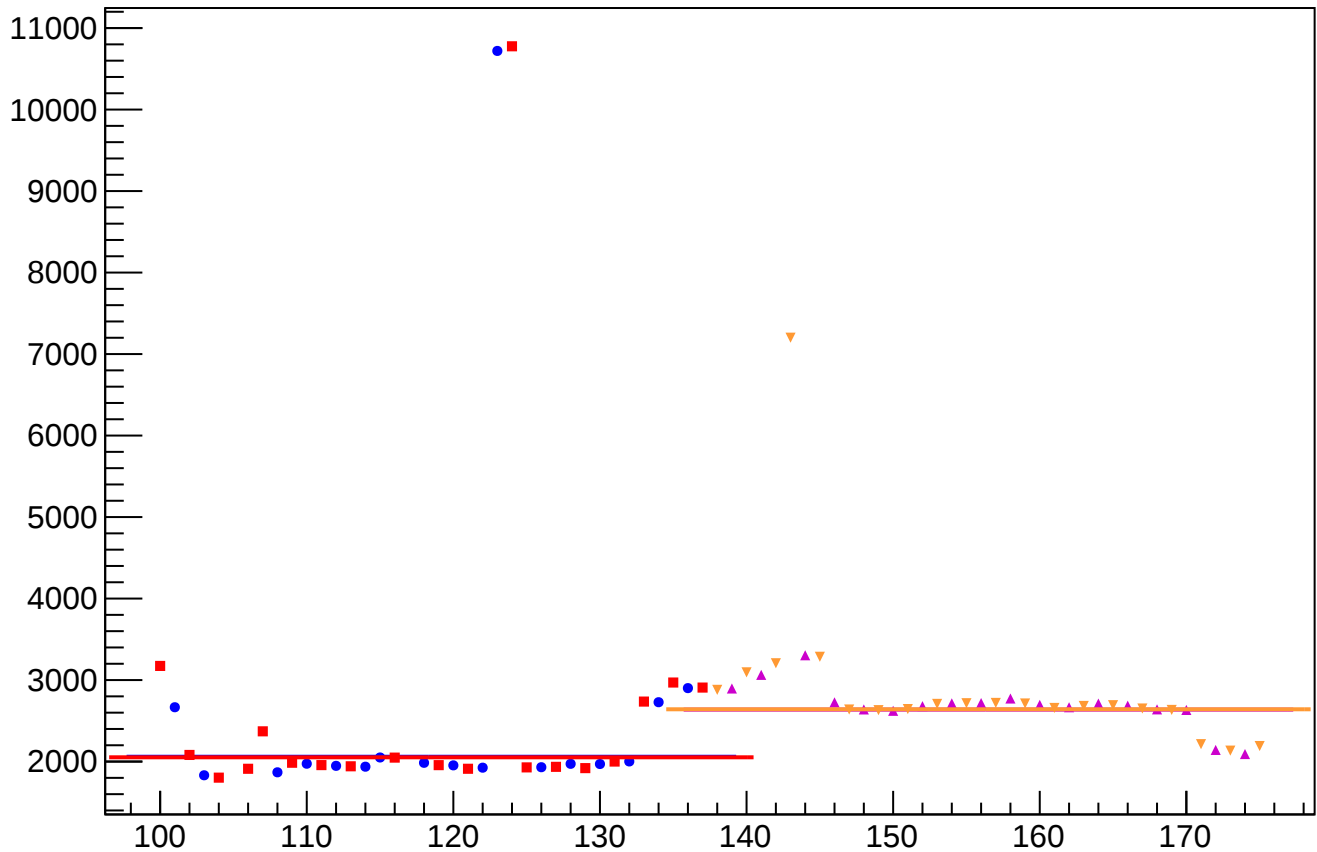
Left In: -2958.186 ± 708.446 χ^2/NDF : 8.8/17

+ sign 996.966 ± 526.153 χ^2/NDF : 49.5/36

All: -700.275 ± 372.509 χ^2/NDF : 99.5/73

- sign -2405.980 ± 527.464 χ^2/NDF : 29.1/36

reg_asym_atl2_rms vs Slug



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

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

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

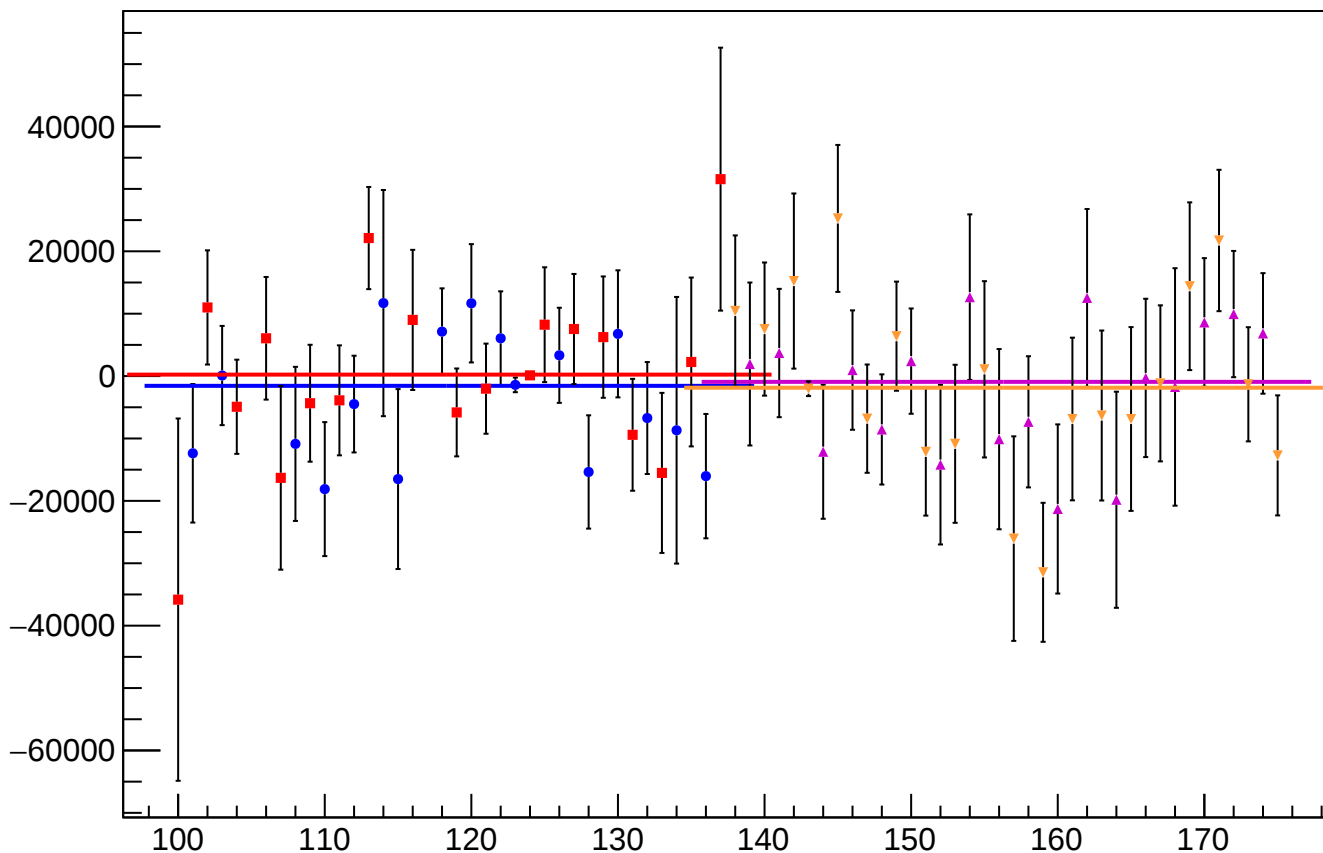
Left In: 2637.160+/-0.501 χ^2/NDF : 310981.7/17

+ sign 2396.519+/-0.372 χ^2/NDF : 1794000.0/36

All: 2386.528+/-0.263 χ^2/NDF : 3157313.2/73

- sign 2376.488+/-0.373 χ^2/NDF : 1361867.4/36

asym_atl2_correction_mean vs Slug



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

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

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

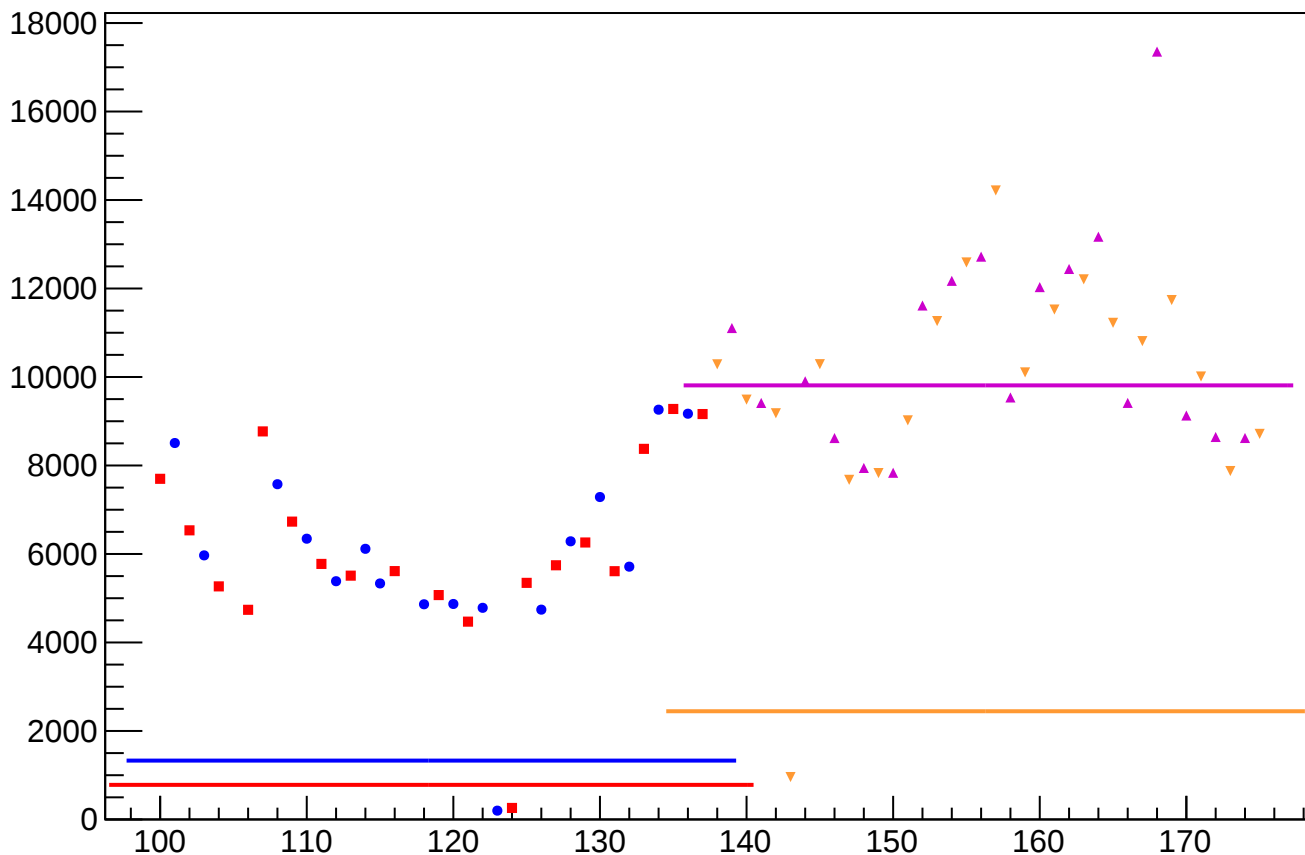
Left In: -925.223 $\pm$ 2672.684 χ^2 /NDF: 12.2/17

+ sign -1710.953 $\pm$ 753.687 χ^2 /NDF: 44.3/36

All: -668.253 $\pm$ 501.904 χ^2 /NDF: 80.9/73

- sign 162.603 $\pm$ 672.782 χ^2 /NDF: 33.2/36

asym_atl2_correction_rms vs Slug



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

Left Out: 2445.560+/-0.762 χ^2/NDF : 19512977.5/19

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

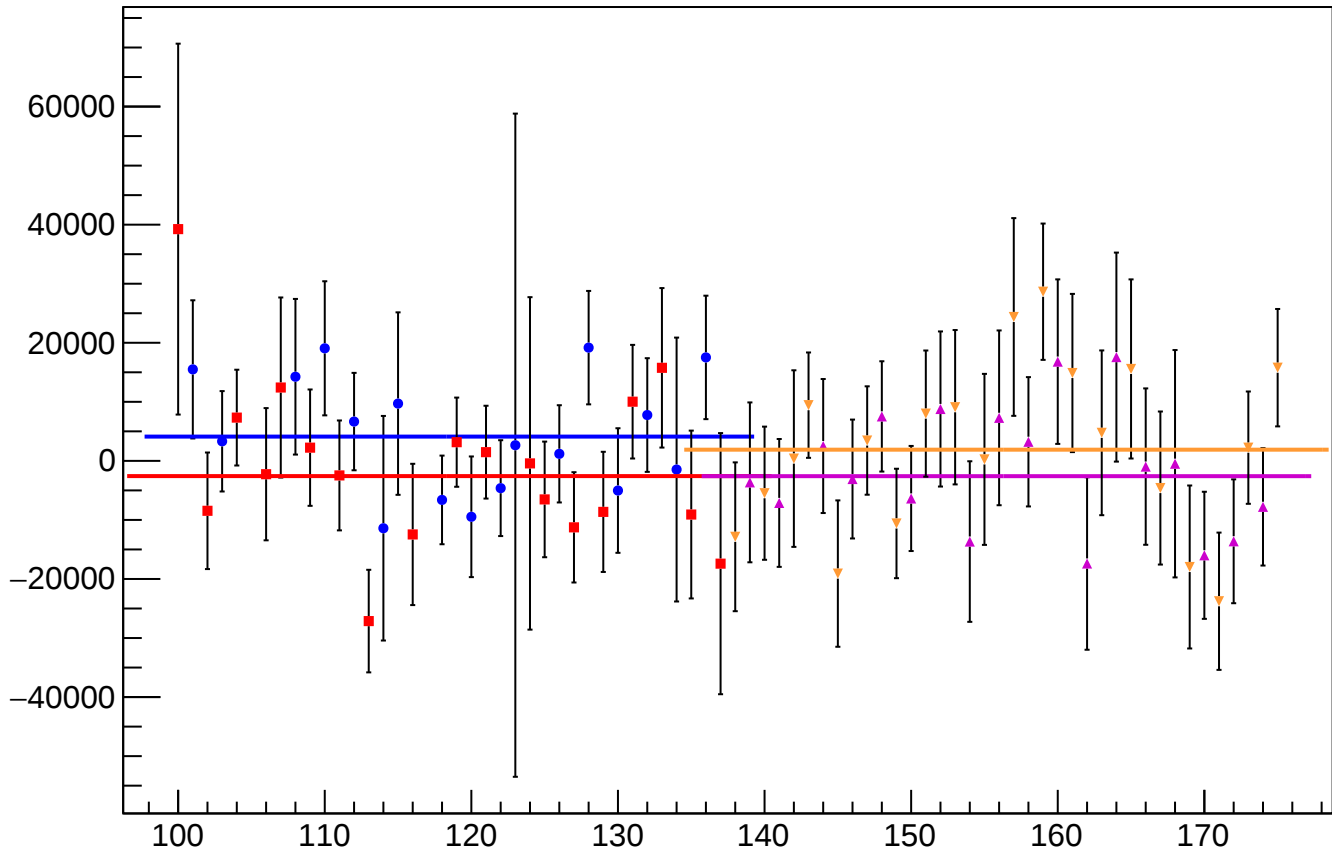
Left In: 9810.461+/-1.890 χ^2/NDF : 1017437.9/17

+ sign 1875.210+/-0.533 χ^2/NDF : 30654151.6/36

All: 1585.111+/-0.355 χ^2/NDF : 65020902.9/7

- sign 1353.951+/-0.476 χ^2/NDF : 33834338.9/36

asym_atl2_mean vs Slug



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

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

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

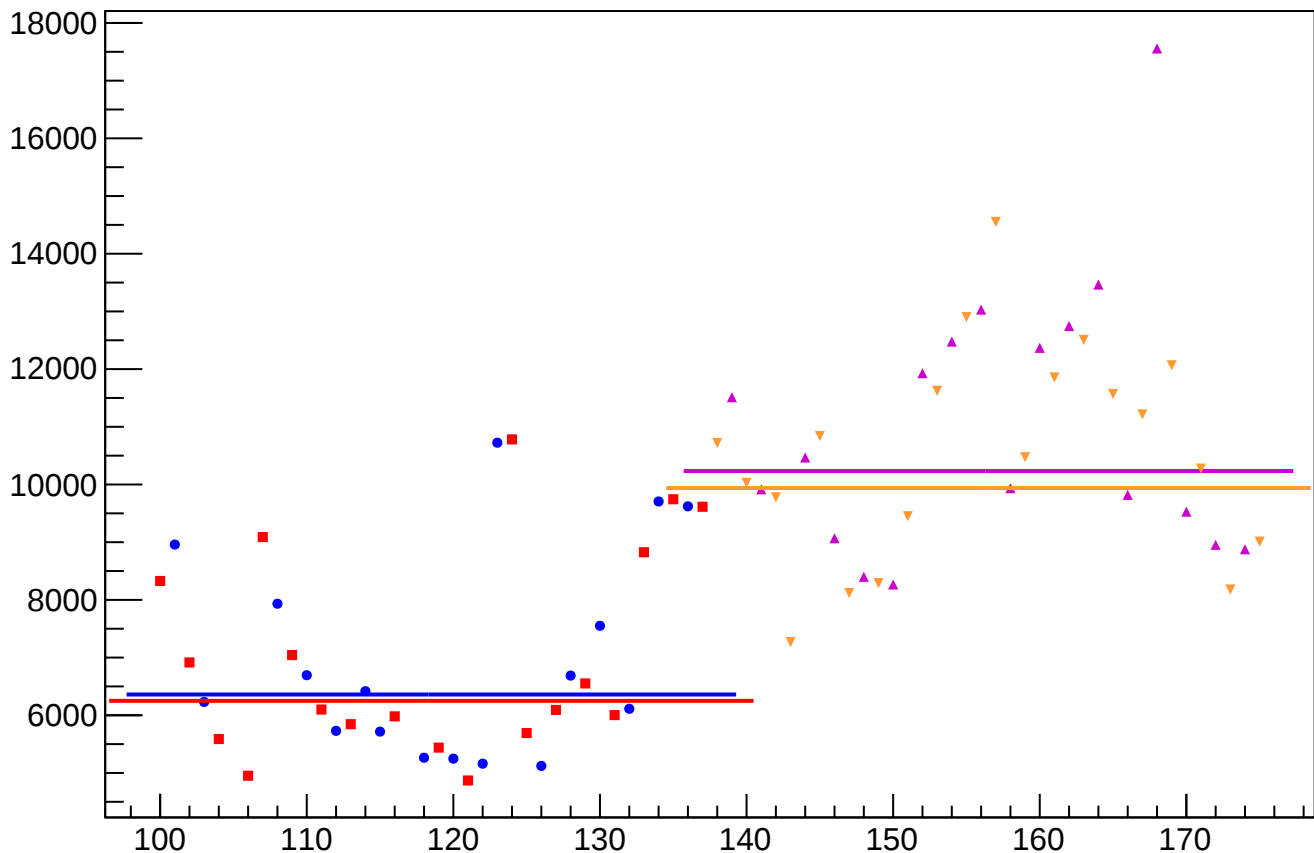
Left In: -2590.139+/-2783.075 χ^2/NDF : 11.1/17

+ sign 3037.345+/-1819.066 χ^2/NDF : 40.7/36

All: 238.403+/-1288.850 χ^2/NDF : 76.5/73

- sign -2583.068+/-1826.373 χ^2/NDF : 31.1/36

asym_atl2_rms vs Slug



Right In: 6359.928 $\pm$ 1.792 χ^2 /NDF: 580471.0/16

Left Out: 9938.673 $\pm$ 1.847 χ^2 /NDF: 903085.8/19

Right Out: 6250.049 $\pm$ 1.711 χ^2 /NDF: 532966.2/18

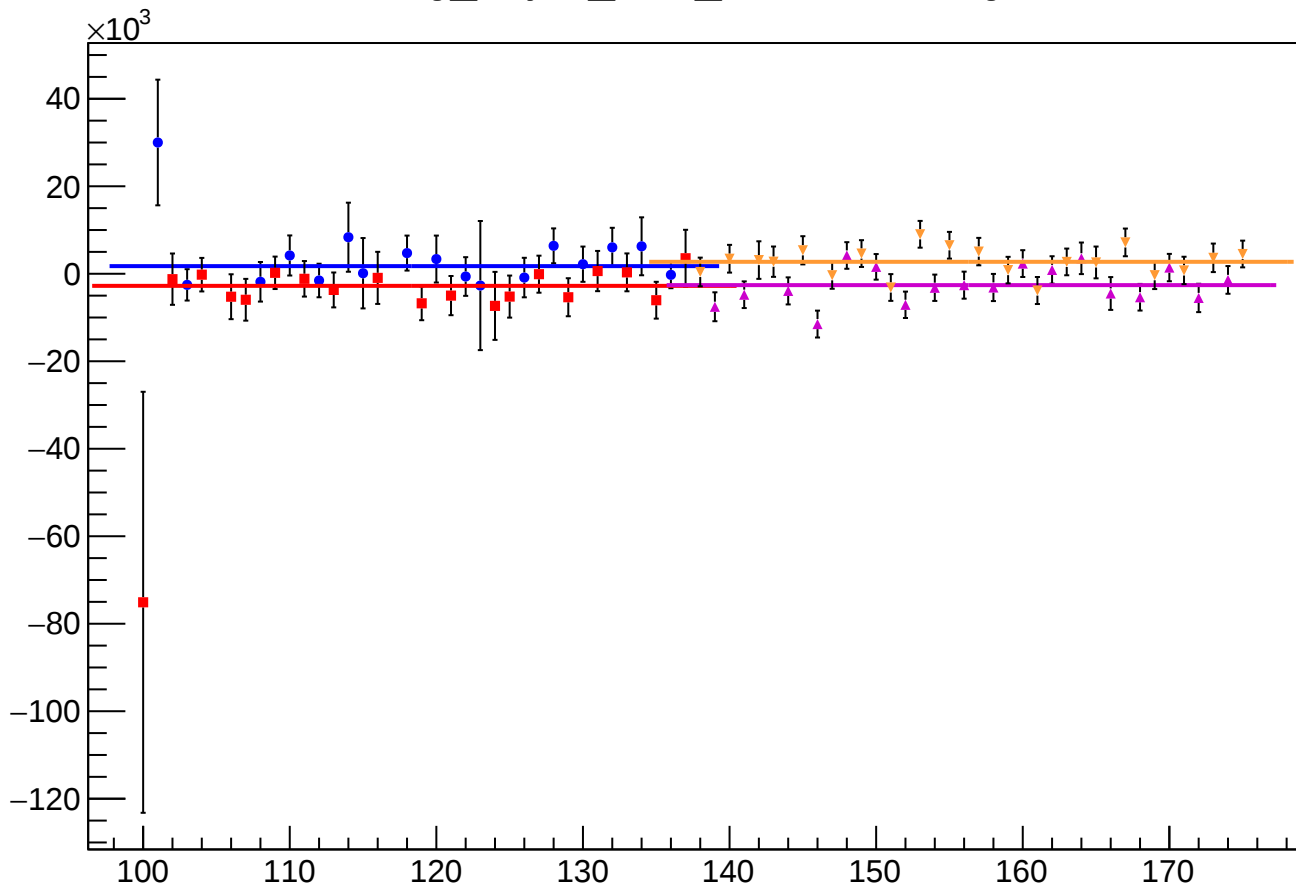
Left In: 10234.550 $\pm$ 1.968 χ^2 /NDF: 922728.5/17

+ sign 8095.083 $\pm$ 1.286 χ^2 /NDF: 3417027.5/36

All: 8030.750 $\pm$ 0.911 χ^2 /NDF: 7211854.2/73

- sign 7965.903 $\pm$ 1.291 χ^2 /NDF: 3789803.7/36

reg_asym_atr1_mean vs Slug



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

Left Out: 2734.001 $\pm$ 714.415 χ^2 /NDF:21.2/19

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

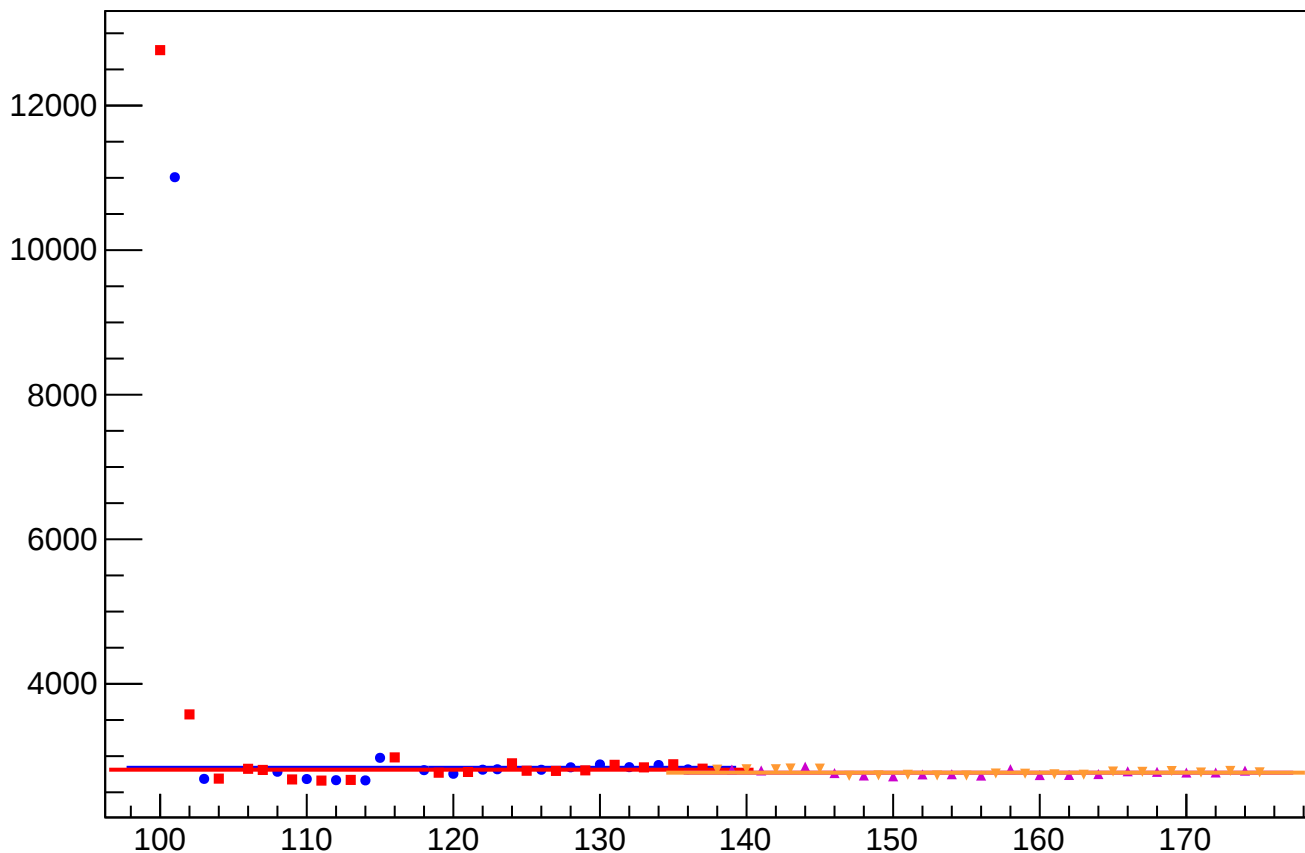
Left In: -2597.618 $\pm$ 740.256 χ^2 /NDF:31.0/17

+ sign 2451.334 $\pm$ 603.628 χ^2 /NDF: 34.0/36

All: -76.844 $\pm$ 428.760 χ^2 /NDF: 110.1/73

- sign -2651.299 $\pm$ 609.127 χ^2 /NDF: 40.7/36

reg_asym_atr1_rms vs Slug



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

Left Out: 2771.619 $\pm$ 0.505 χ^2 /NDF: 4339.5/19

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

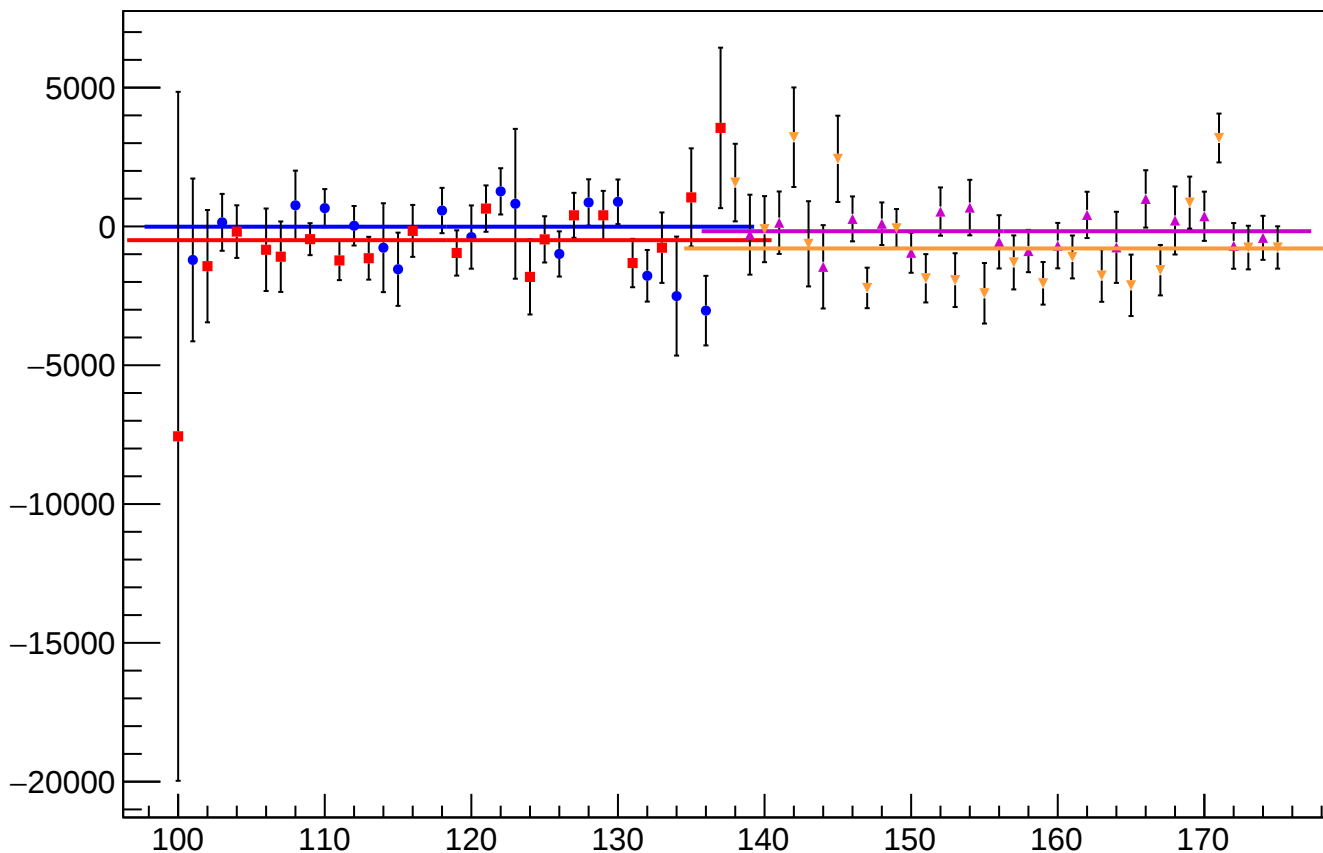
Left In: 2770.894 $\pm$ 0.523 χ^2 /NDF: 4706.3/17

+ sign 2790.822 $\pm$ 0.427 χ^2 /NDF: 669599.2/36

All: 2787.625 $\pm$ 0.303 χ^2 /NDF: 809535.3/73

- sign 2784.370 $\pm$ 0.431 χ^2 /NDF: 139822.9/36

asym_atr1_correction_mean vs Slug



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

Left Out: -792.223 ± 209.035 χ^2/NDF : 52.5/19

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

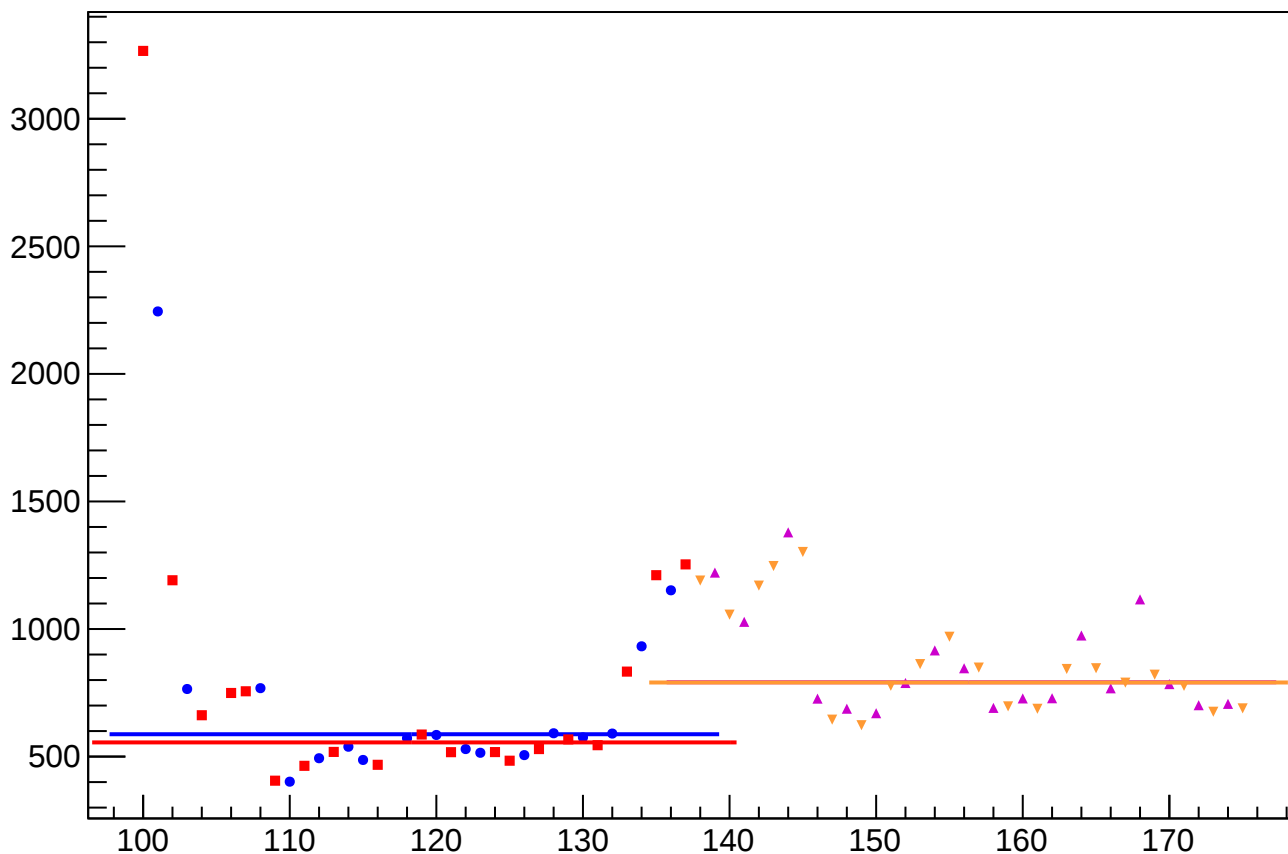
Left In: -172.304 ± 215.769 χ^2/NDF : 8.2/17

+ sign -457.402 ± 158.101 χ^2/NDF : 79.2/36

All: -392.028 ± 110.519 χ^2/NDF : 100.6/73

- sign -329.555 ± 154.554 χ^2/NDF : 21.1/36

asym_atr1_correction_rms vs Slug



Right In: 587.596+/-0.171 χ^2/NDF : 1425769.6/16

Left Out: 790.414+/-0.148 χ^2/NDF :1172333.7/19

Right Out: 555.534+/-0.157 χ^2/NDF : 1106760.5/18

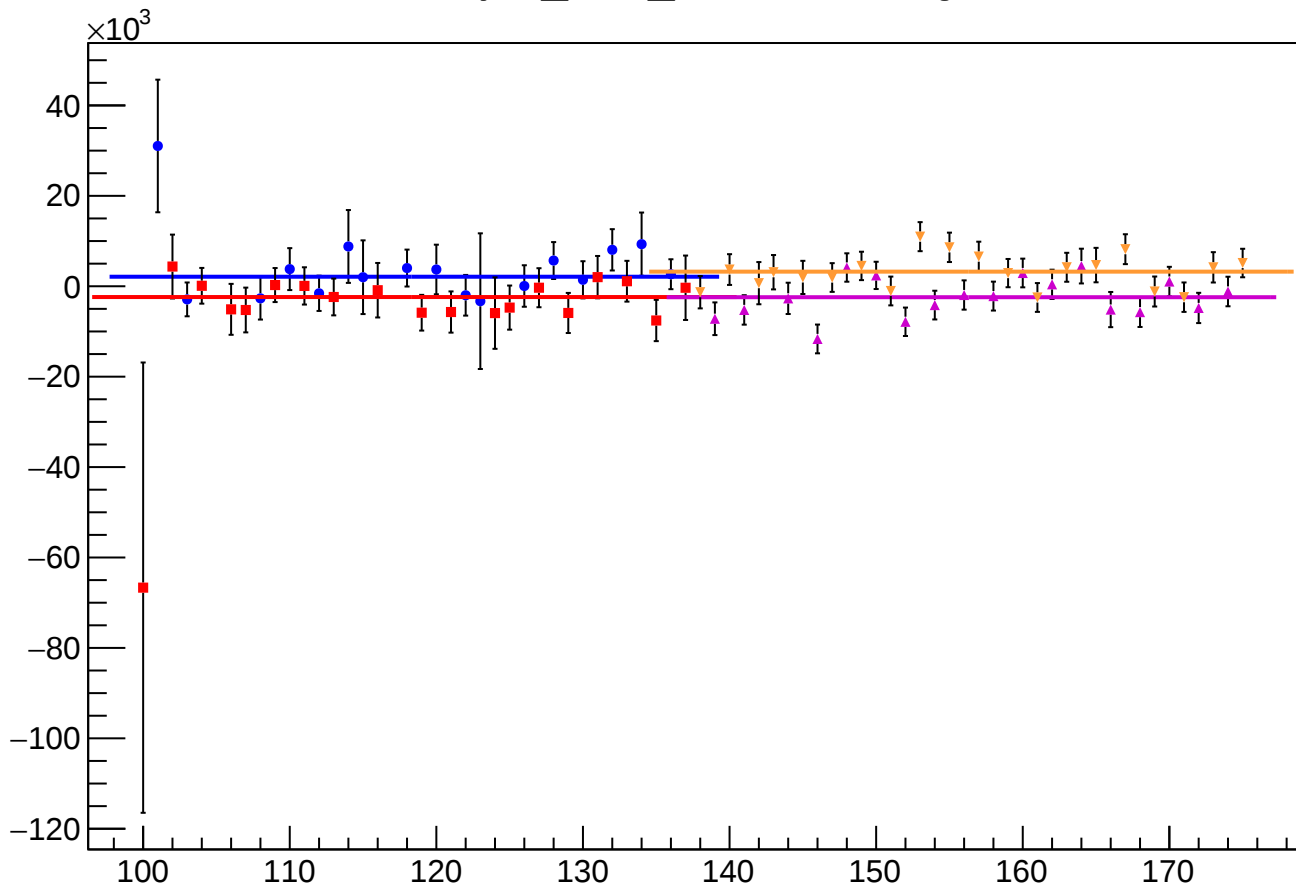
Left In: 791.371+/-0.153 χ^2/NDF :1004064.0/17

+ sign 703.618+/-0.112 χ^2/NDF : 3403849.3/36

All: 689.769+/-0.078 χ^2/NDF : 6708105.7/73

- sign 676.536+/-0.109 χ^2/NDF : 3274249.5/36

asym_atr1_mean vs Slug



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

Left Out: 3233.879 $\pm$ 751.682 χ^2 /NDF:24.7/19

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

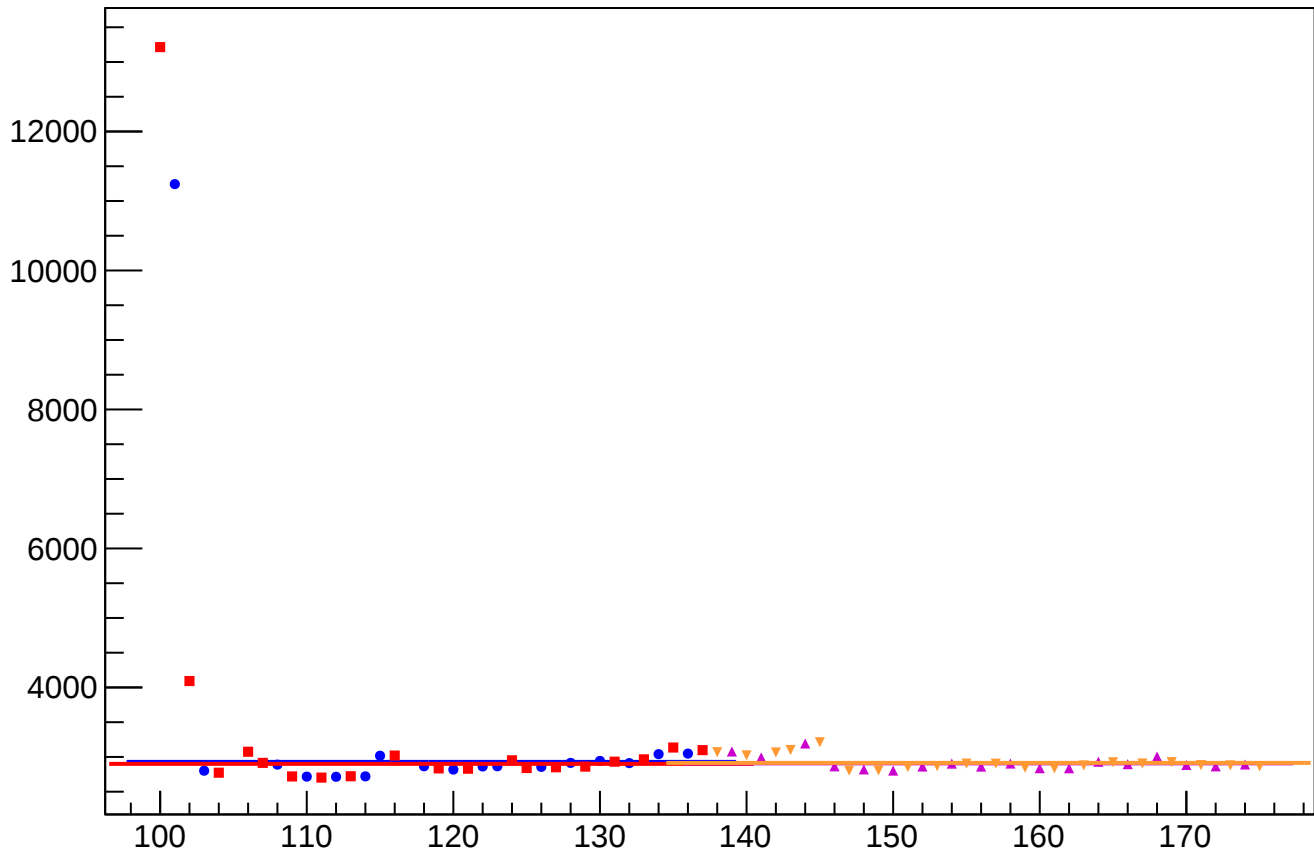
Left In: -2422.135 $\pm$ 777.141 χ^2 /NDF:31.3/17

+ sign 2902.818 $\pm$ 631.513 χ^2 /NDF: 38.8/36

All: 267.901 $\pm$ 448.358 χ^2 /NDF: 115.1/73

- sign -2410.204 $\pm$ 636.667 χ^2 /NDF: 41.2/36

asym_atr1_rms vs Slug



Right In: 2928.700+/-0.823 χ^2/NDF : 662362.9/16

Left Out: 2914.376+/-0.532 χ^2/NDF : 35048.7/19

Right Out: 2900.472+/-0.785 χ^2/NDF : 169720.6/18

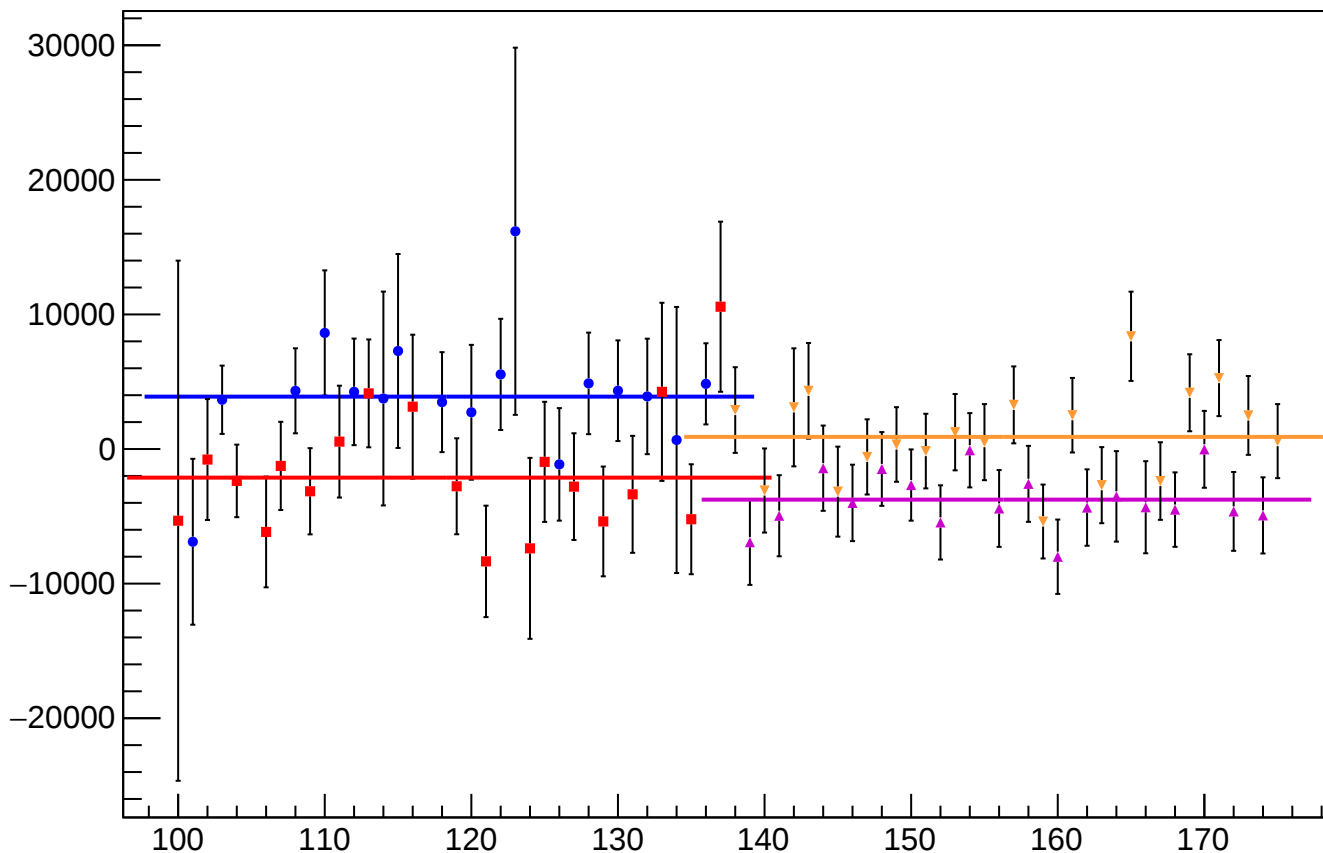
Left In: 2907.726+/-0.550 χ^2/NDF : 28829.6/17

+ sign 2918.590+/-0.447 χ^2/NDF : 697625.3/36

All: 2912.019+/-0.317 χ^2/NDF : 896669.4/73

- sign 2905.341+/-0.450 χ^2/NDF : 198607.5/36

reg_asym_atr2_mean vs Slug



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

Left Out: 901.079+/-662.536 χ^2/NDF : 23.5/19

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

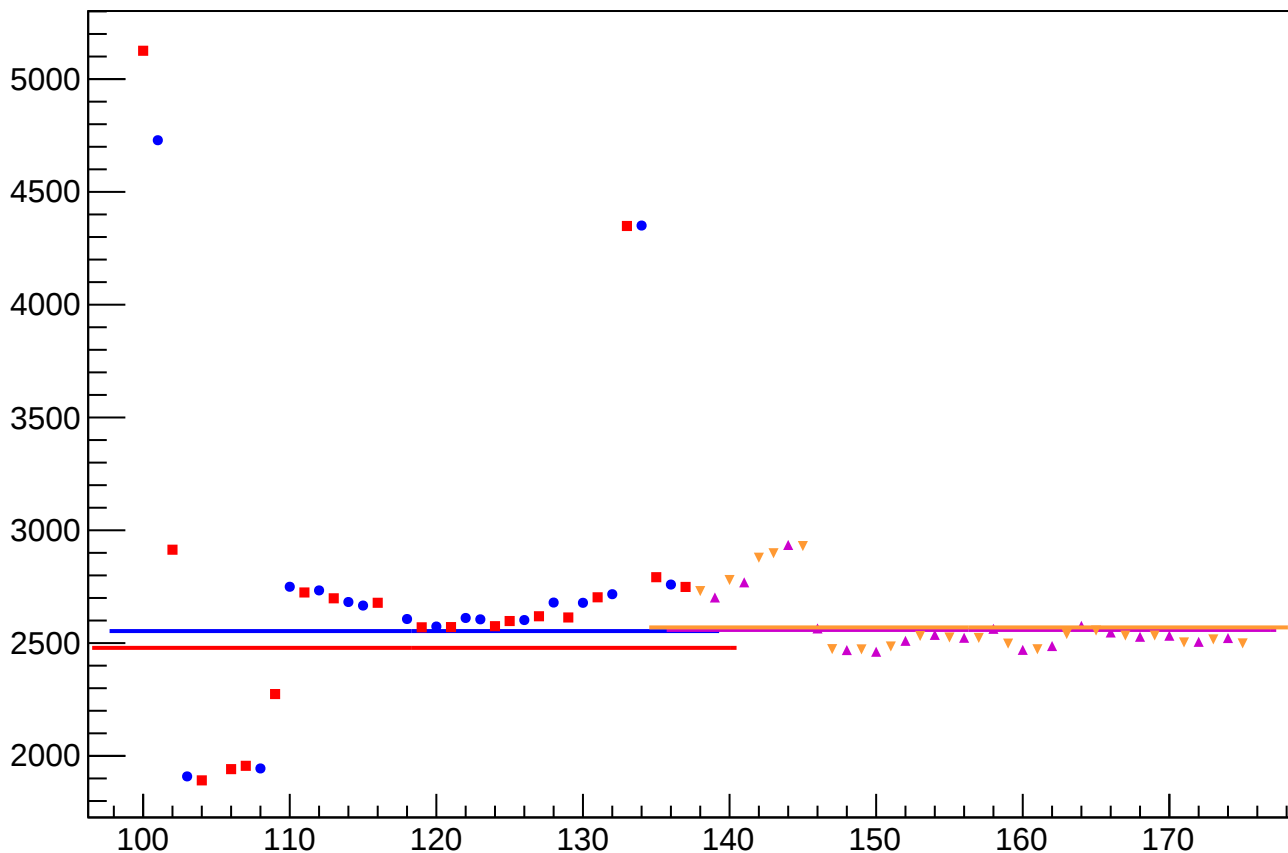
Left In: -3761.071+/-682.947 χ^2/NDF : 9.4/17

+ sign 1798.906+/-554.264 χ^2/NDF : 36.7/36

All: -696.877+/-392.602 χ^2/NDF : 103.1/73

- sign -3209.995+/-556.186 χ^2/NDF : 25.7/36

reg_asym_atr2_rms vs Slug



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

Left Out: 2569.484+/-0.468 χ^2/NDF : 80361.5/19

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

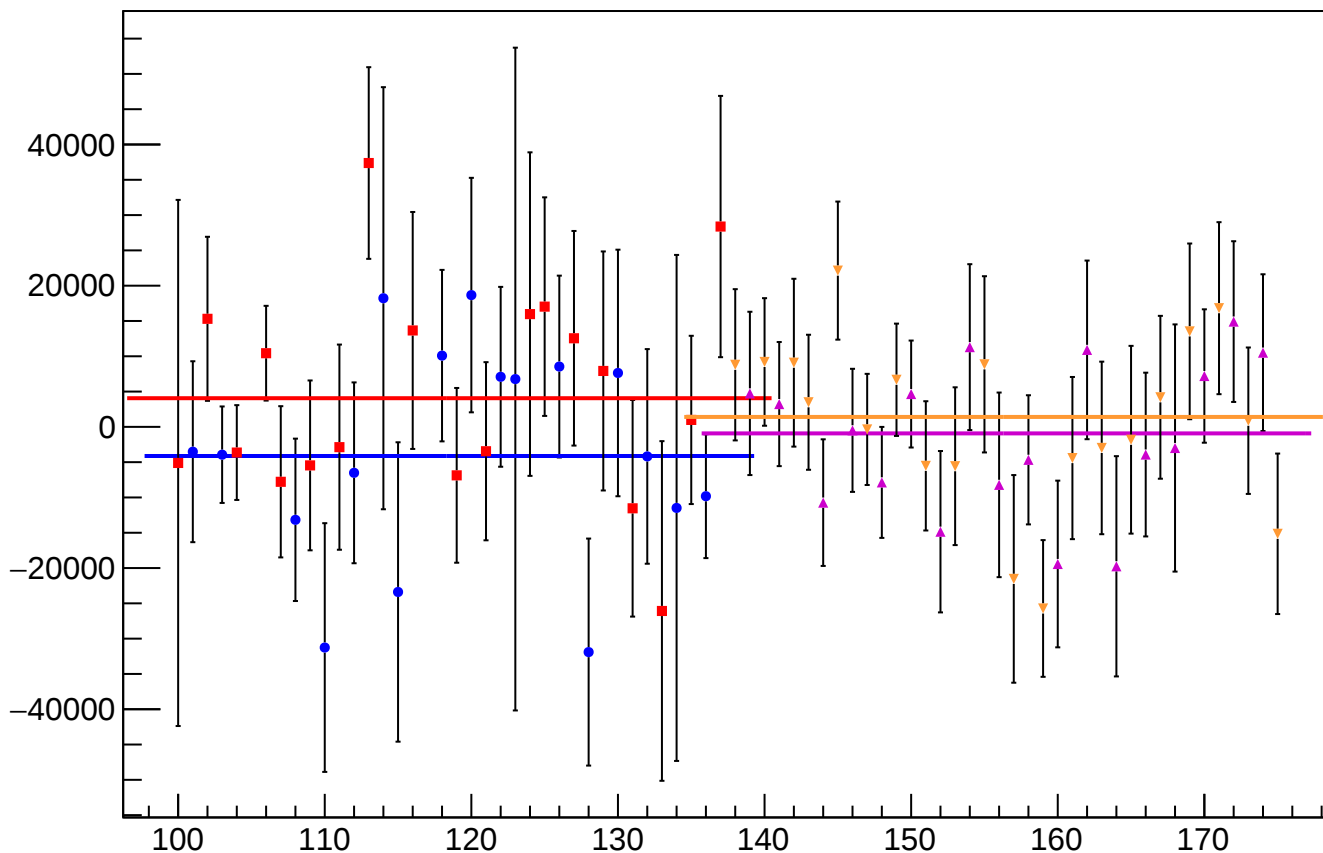
Left In: 2558.287+/-0.483 χ^2/NDF : 52795.1/17

+ sign 2564.621+/-0.392 χ^2/NDF : 625947.5/36

All: 2548.137+/-0.278 χ^2/NDF : 1140905.6/73

- sign 2531.539+/-0.393 χ^2/NDF : 511407.9/36

asym_atr2_correction_mean vs Slug



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

Left Out: 1407.272 ± 2352.638 $\chi^2/\text{NDF}: 23.4/19$

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

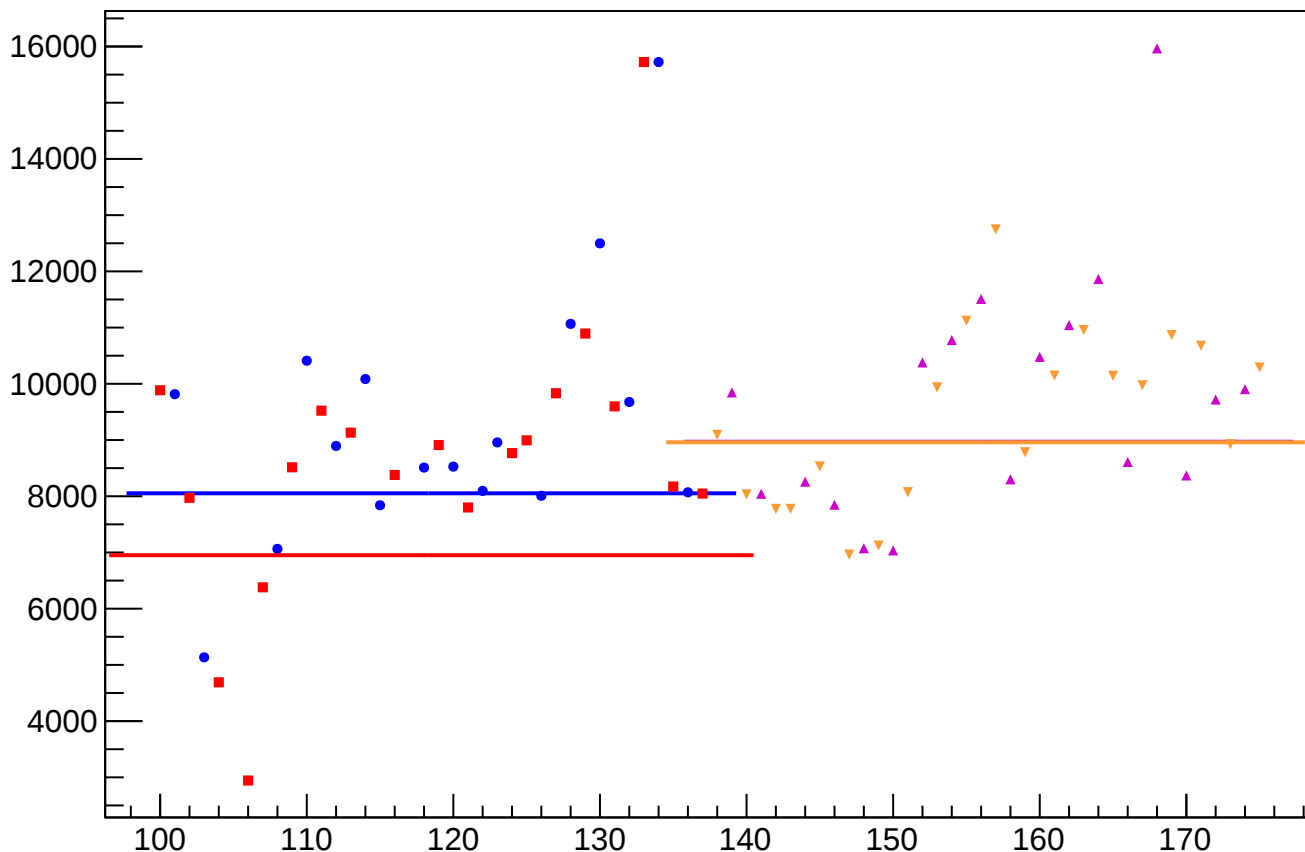
Left In: -924.442 ± 2442.970 $\chi^2/\text{NDF}: 14.6/17$

+ sign -513.127 ± 1901.065 $\chi^2/\text{NDF}: 38.7/36$

All: 366.695 ± 1326.004 $\chi^2/\text{NDF}: 74.1/73$

- sign 1200.303 ± 1850.464 $\chi^2/\text{NDF}: 34.9/36$

asym_atr2_correction_rms vs Slug



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

Left Out: 8960.026 $\pm$ 1.664 χ^2 /NDF: 758660.2/19

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

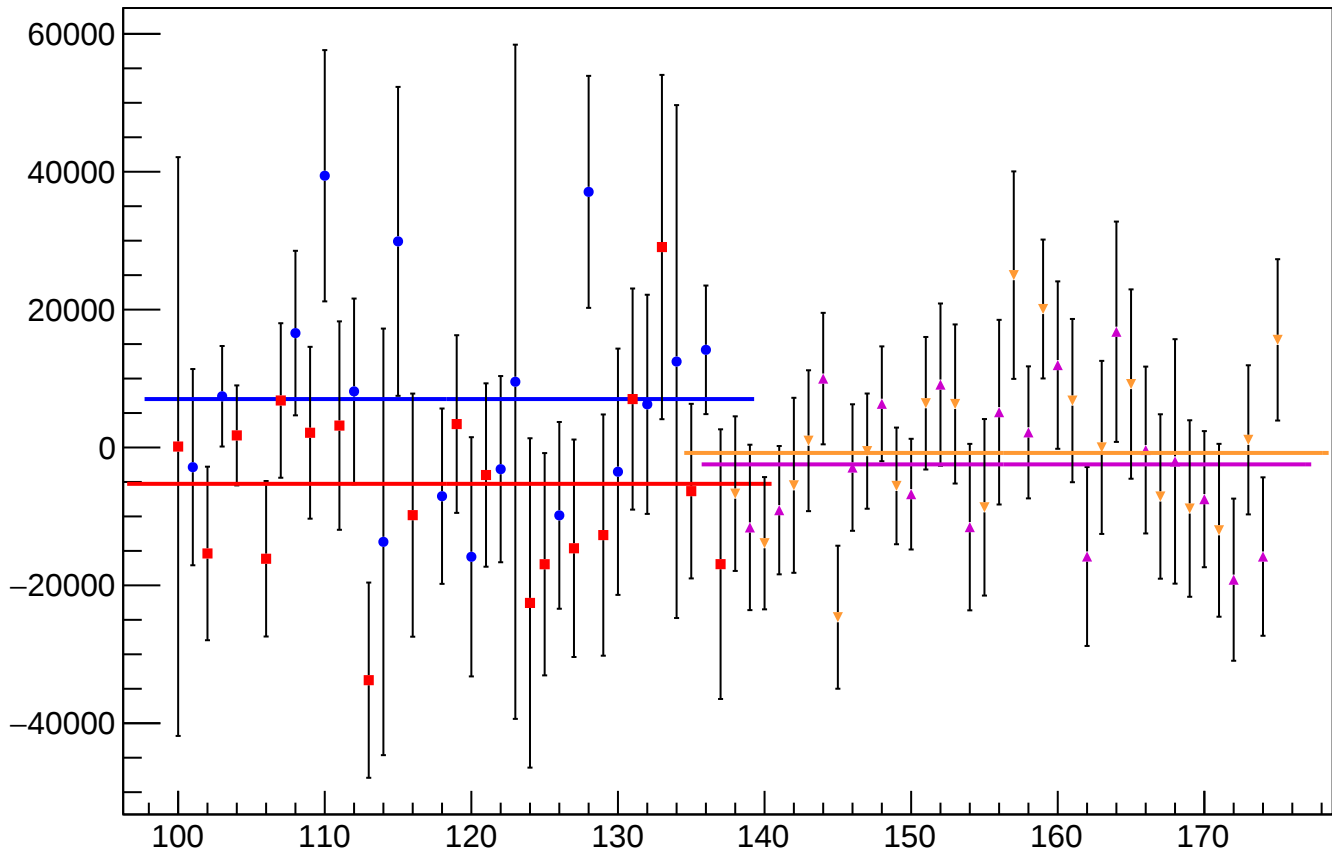
Left In: 8969.452 $\pm$ 1.727 χ^2 /NDF: 997455.5/17

+ sign 8645.092 $\pm$ 1.344 χ^2 /NDF: 1652654.0/36

All: 8369.852 $\pm$ 0.938 χ^2 /NDF: 5090325.3/73

- sign 8109.069 $\pm$ 1.308 χ^2 /NDF: 3356025.7/36

asym_atr2_mean vs Slug



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

Left Out: -788.909+/-2461.813 χ^2/NDF : 20.9/19

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

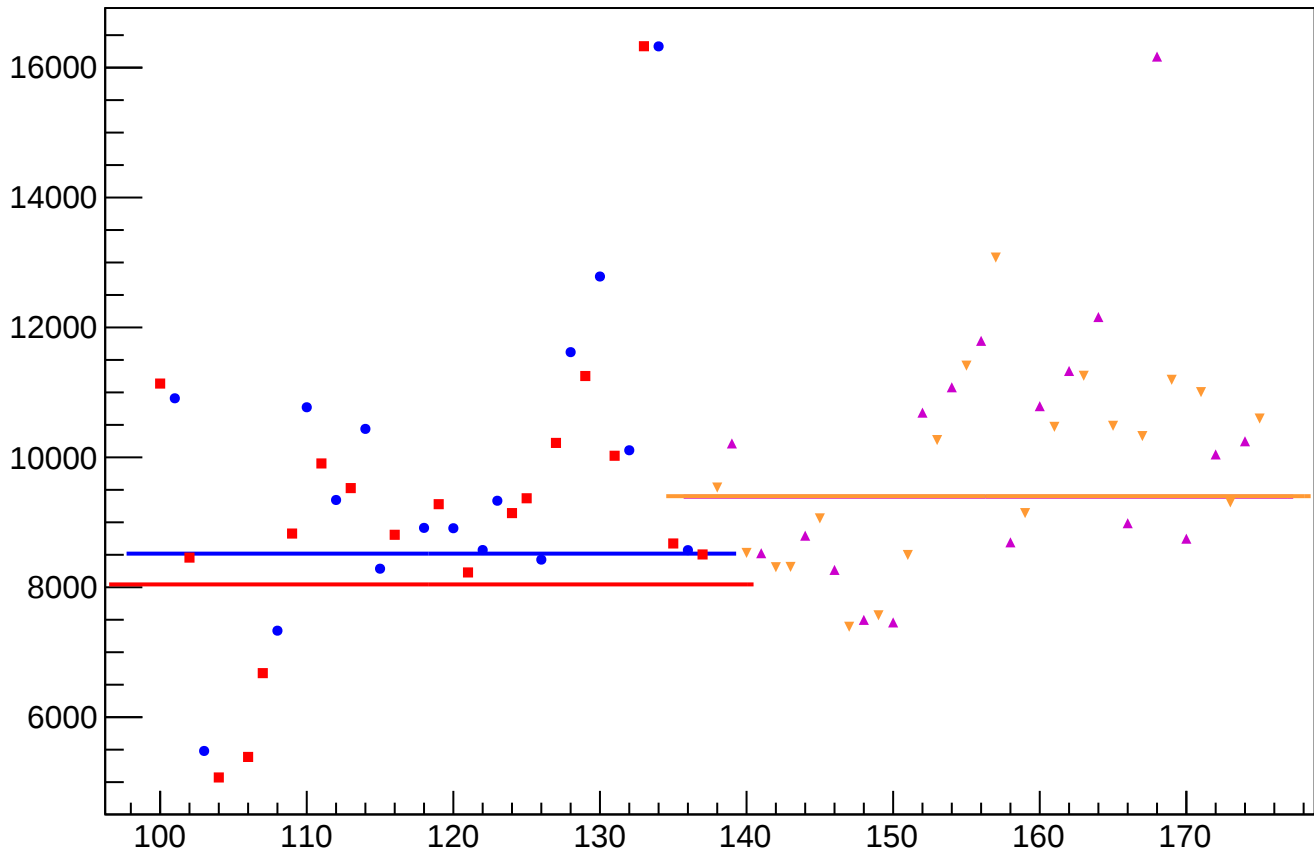
Left In: -2449.084+/-2551.926 χ^2/NDF : 13.9/17

+ sign 1888.977+/-1995.906 χ^2/NDF : 39.3/36

All: -847.065+/-1408.299 χ^2/NDF : 70.8/73

- sign -3559.817+/-1987.393 χ^2/NDF : 27.7/36

asym_atr2_rms vs Slug



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

Left Out: 9402.440+/-1.741 χ^2/NDF : 642192.3/19

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

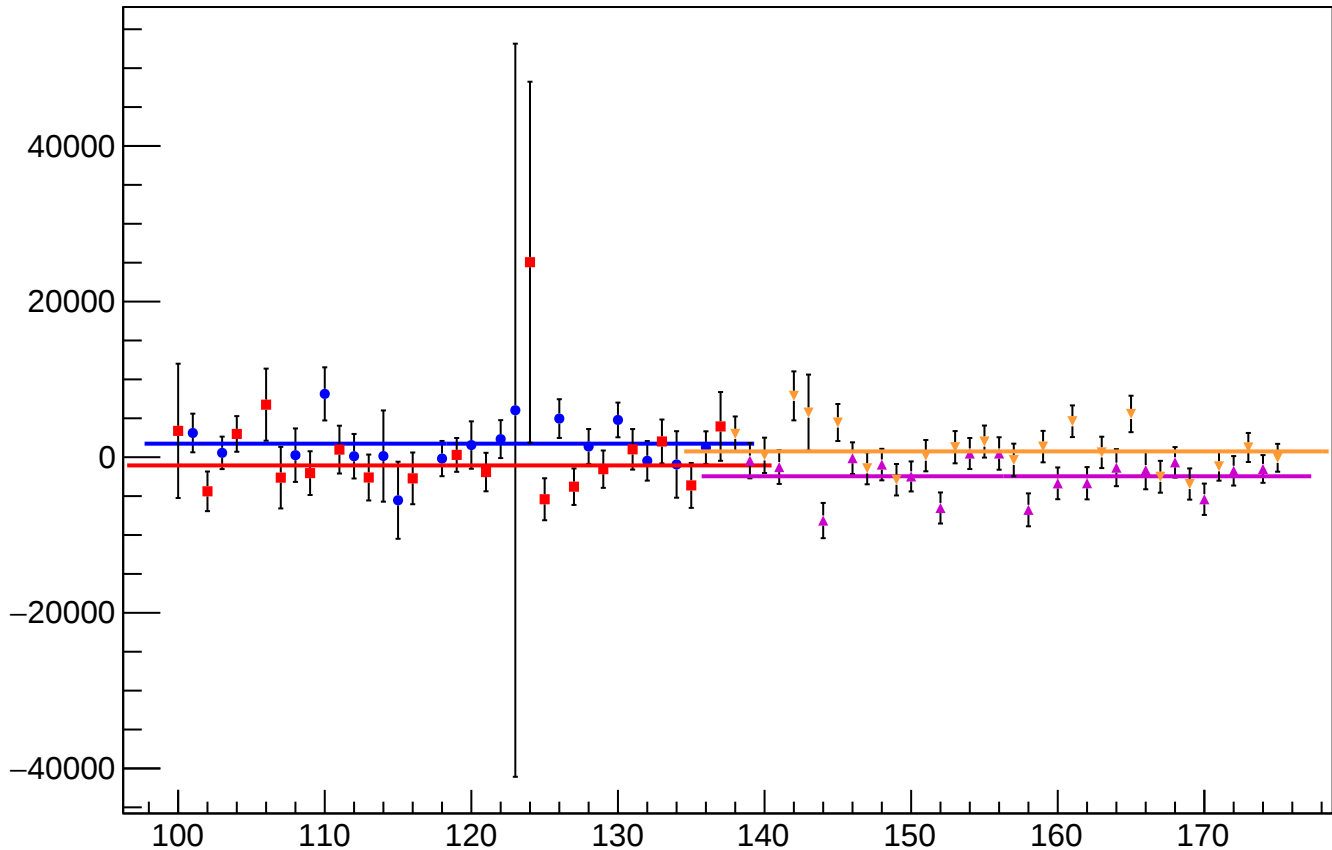
Left In: 9394.631+/-1.804 χ^2/NDF : 873721.9/17

+ sign 9099.312+/-1.411 χ^2/NDF : 1493958.7/36

All: 8980.717+/-0.996 χ^2/NDF : 3554329.2/73

- sign 8863.135+/-1.405 χ^2/NDF : 2046308.2/36

reg_asym_atl_avg_mean vs Slug



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

Left Out: 745.727 ± 474.943 χ^2/NDF : 31.1/19

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

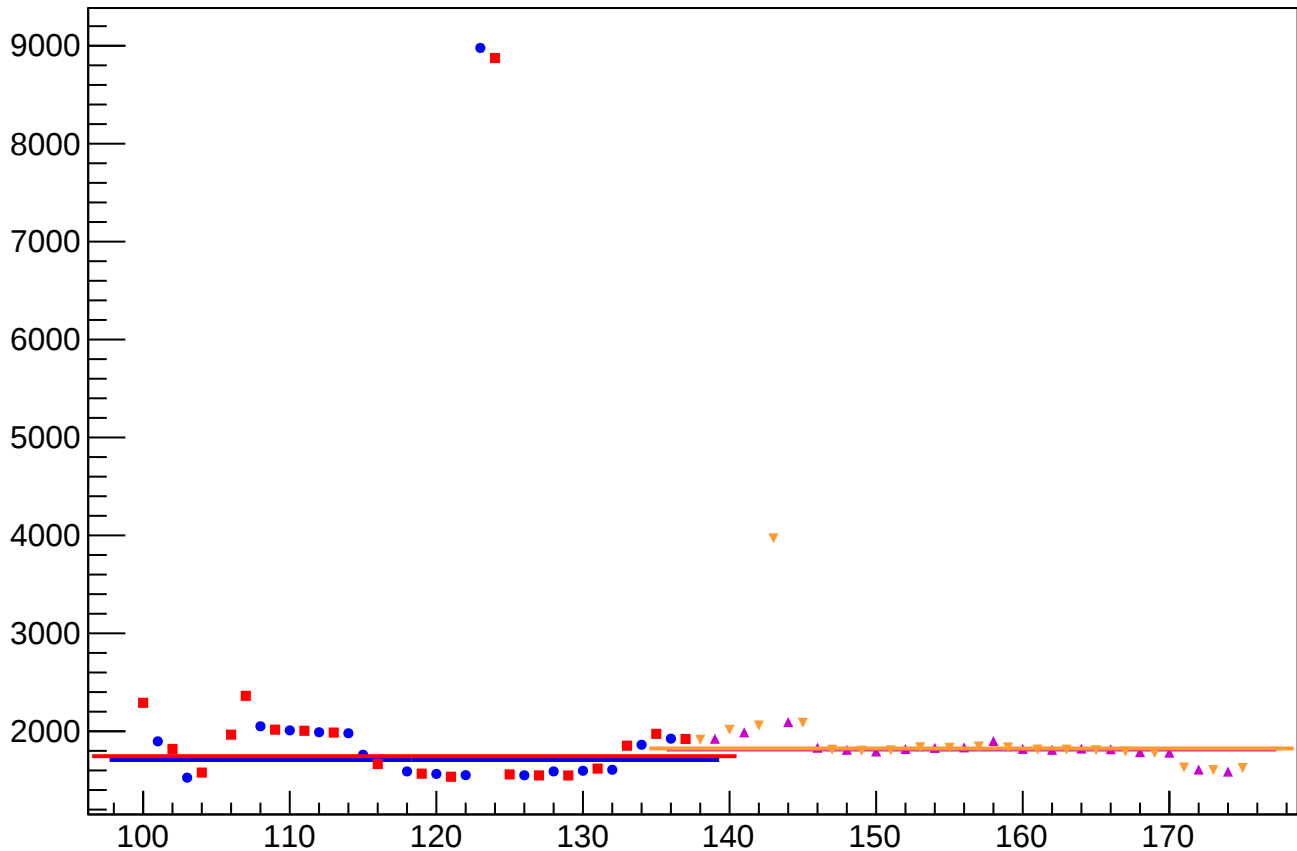
Left In: -2450.567 ± 486.509 χ^2/NDF : 25.8/17

+ sign 1077.872 ± 387.543 χ^2/NDF : 44.9/36

All: -421.338 ± 276.244 χ^2/NDF : 122.8/73

- sign -1969.894 ± 393.870 χ^2/NDF : 47.5/36

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1824.344+/-0.336 χ^2/NDF : 516217.8/19

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

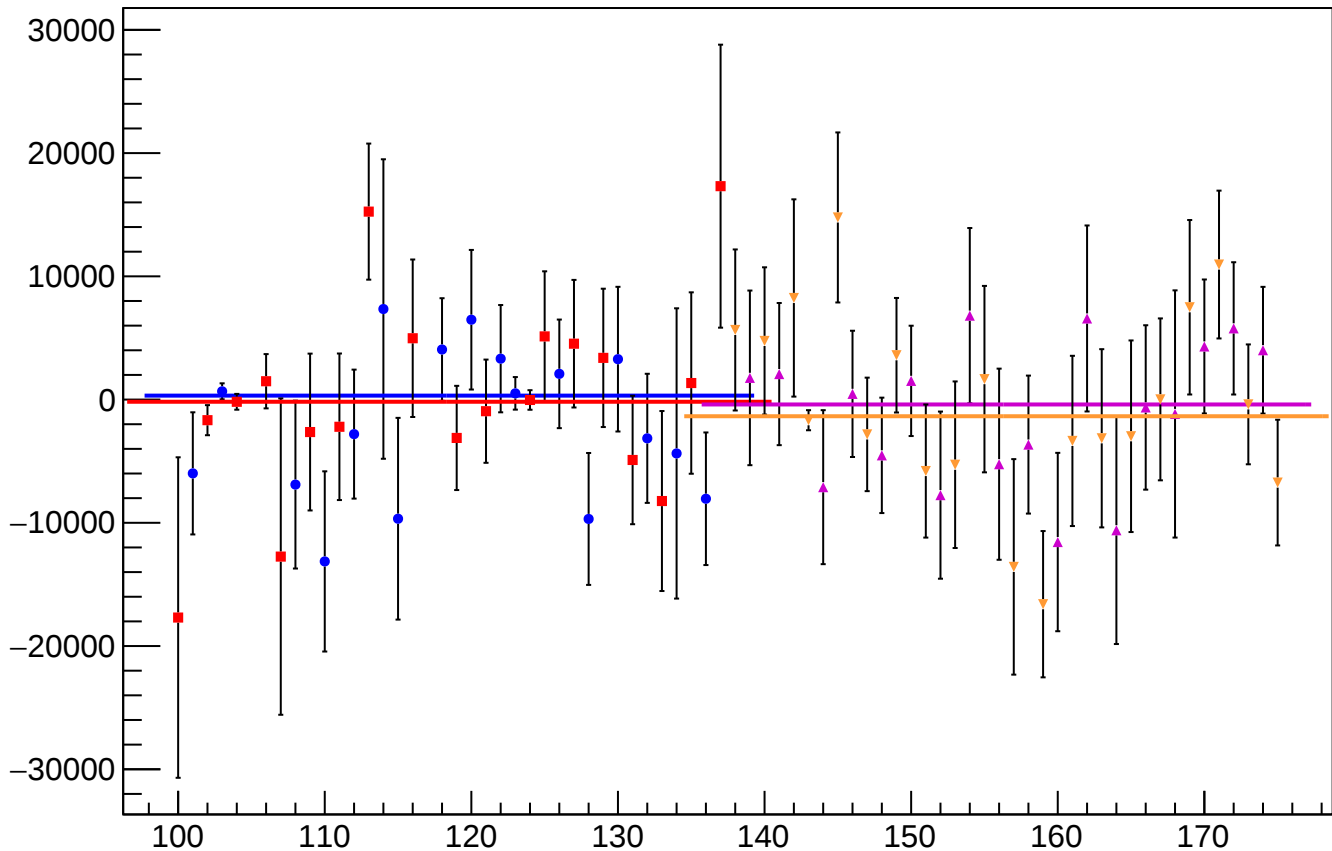
Left In: 1814.190+/-0.344 χ^2/NDF : 109047.4/17

+ sign 1785.086+/-0.274 χ^2/NDF : 754664.5/36

All: 1787.684+/-0.195 χ^2/NDF : 1277551.3/73

- sign 1790.360+/-0.278 χ^2/NDF : 522704.4/36

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1352.617 ± 705.079 χ^2/NDF : 27.4/19

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

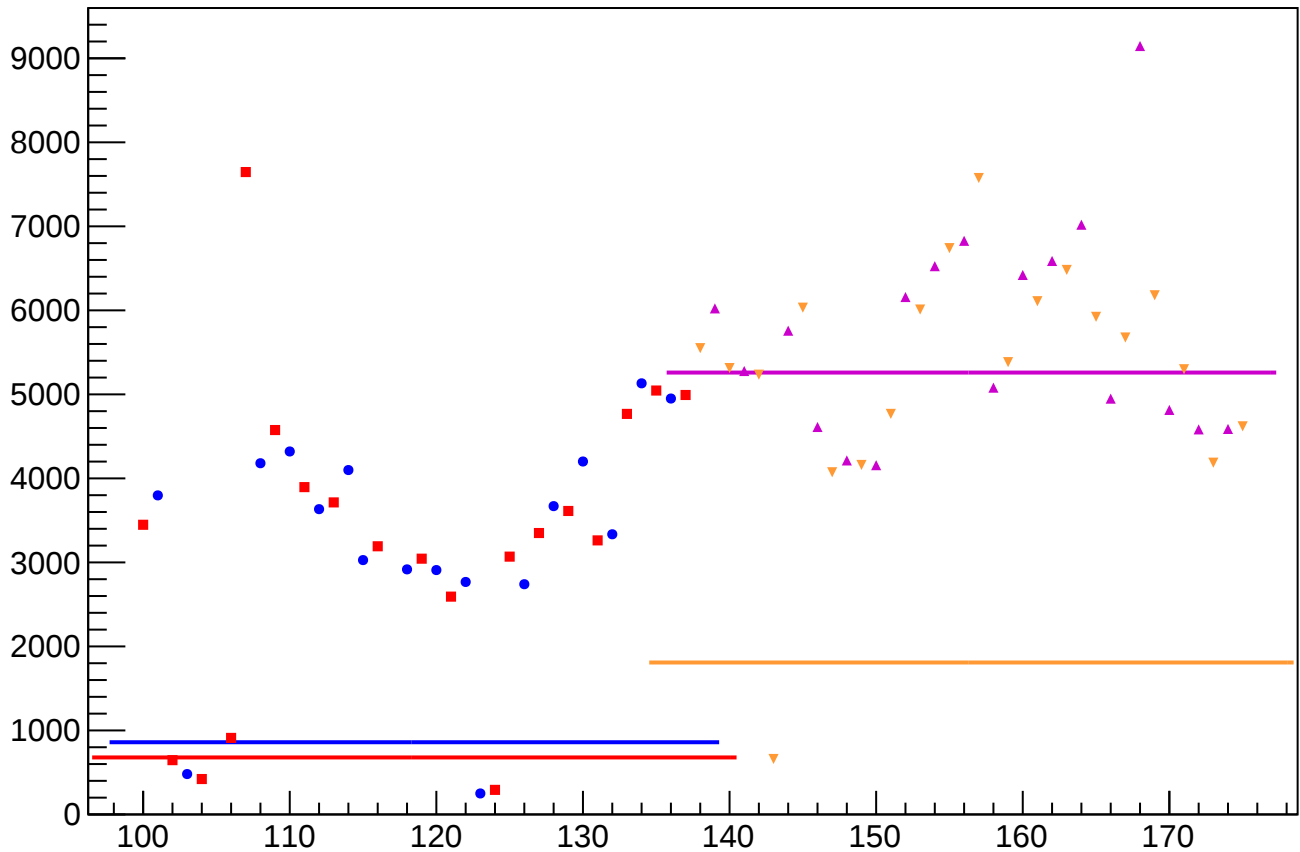
Left In: -397.347 ± 1433.760 χ^2/NDF : 12.6/17

+ sign -298.362 ± 428.904 χ^2/NDF : 48.9/36

All: -245.045 ± 298.241 χ^2/NDF : 82.4/73

- sign -195.130 ± 414.993 χ^2/NDF : 33.4/36

asym_atl_avg_correction_rms vs Slug



Right In: 859.557 $\pm$ 0.382 χ^2 /NDF: 8143264.5/16

Left Out: 1808.735 $\pm$ 0.499 χ^2 /NDF: 16636461.6/19

Right Out: 678.603 $\pm$ 0.307 χ^2 /NDF: 8384814.2/18

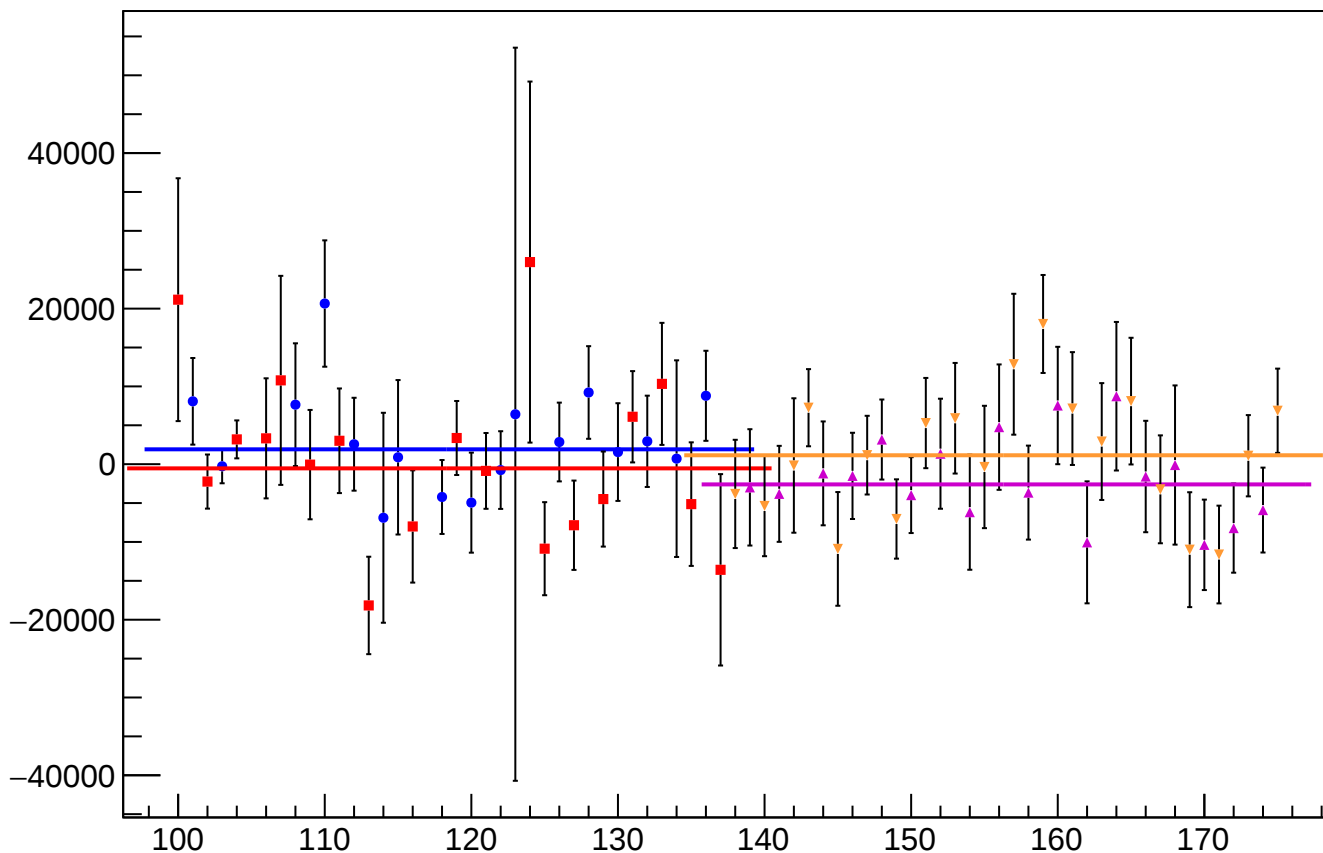
Left In: 5259.548 $\pm$ 1.014 χ^2 /NDF: 1041434.8/17

+ sign 1210.787 $\pm$ 0.303 χ^2 /NDF: 27063034.3/36

All: 1134.140 $\pm$ 0.211 χ^2 /NDF: 55319244.8/7

- sign 1062.385 $\pm$ 0.293 χ^2 /NDF: 28132546.4/36

asym_atl_avg_mean vs Slug



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

Left Out: 1144.878 $\pm$ 1436.134 χ^2 /NDF:28.0/19

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

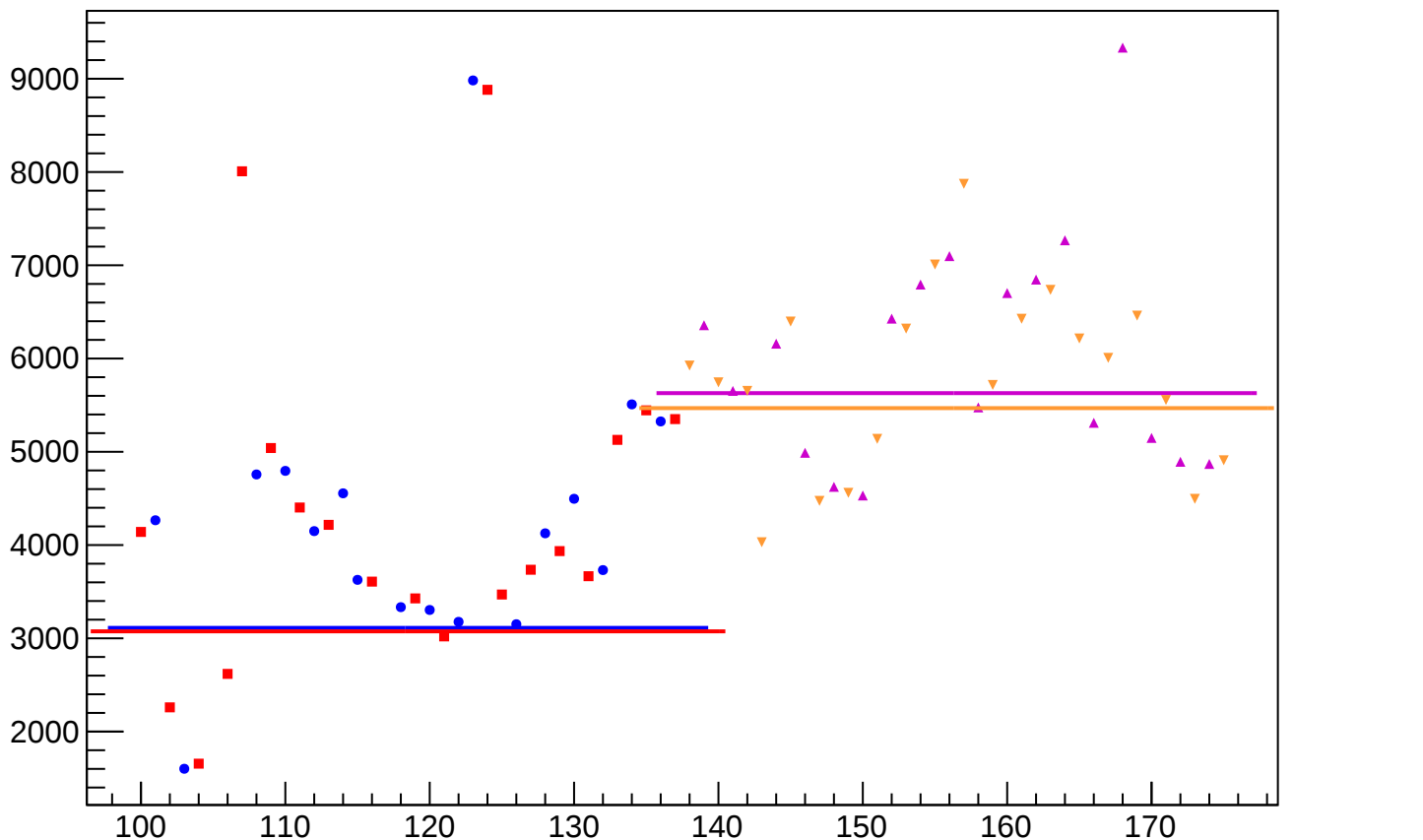
Left In: -2601.438 $\pm$ 1529.820 χ^2 /NDF:10.2/17

+ sign 1562.089 $\pm$ 967.925 χ^2 /NDF: 42.8/36

All: 109.280 $\pm$ 690.147 χ^2 /NDF: 85.0/73

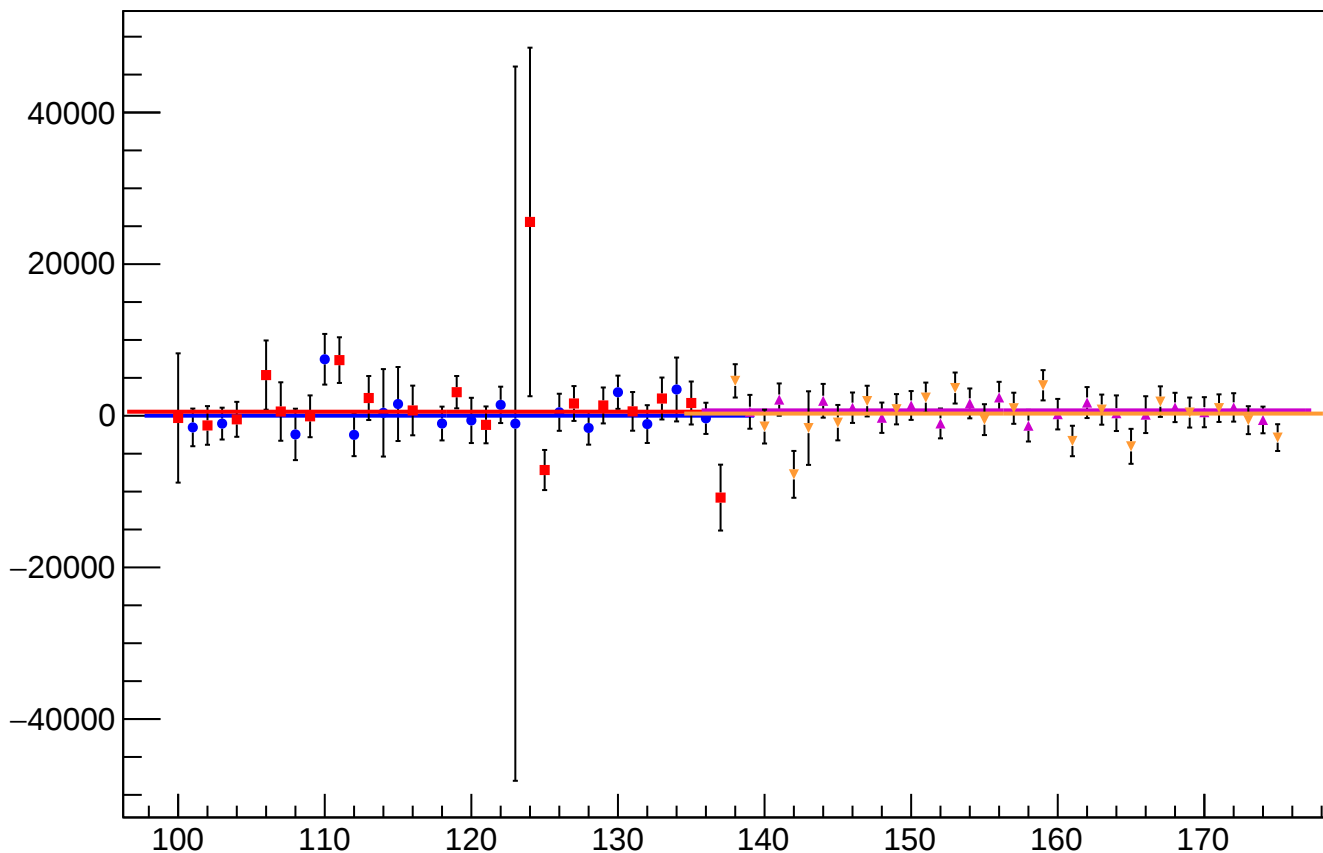
- sign -1393.142 $\pm$ 984.313 χ^2 /NDF: 37.6/36

asym_atl_avg_rms vs Slug



Right In: 3111.825+/-0.926	χ^2/NDF : 1879558.6/16	+ sign 4182.229+/-0.684	χ^2/NDF : 5676347.0/36
Left Out: 5468.269+/-1.016	χ^2/NDF : 858113.4/19	All: 4148.475+/-0.486	χ^2/NDF : 11870593.6/7
Right Out: 3074.771+/-0.896	χ^2/NDF : 2005627.6/18	- sign 4114.162+/-0.690	χ^2/NDF : 6189341.9/36
Left In: 5628.978+/-1.082	χ^2/NDF : 877238.8/17		

reg_asym_atl_dd_mean vs Slug



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

Left Out: 288.142+/-468.078 χ^2 /NDF:31.0/19

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

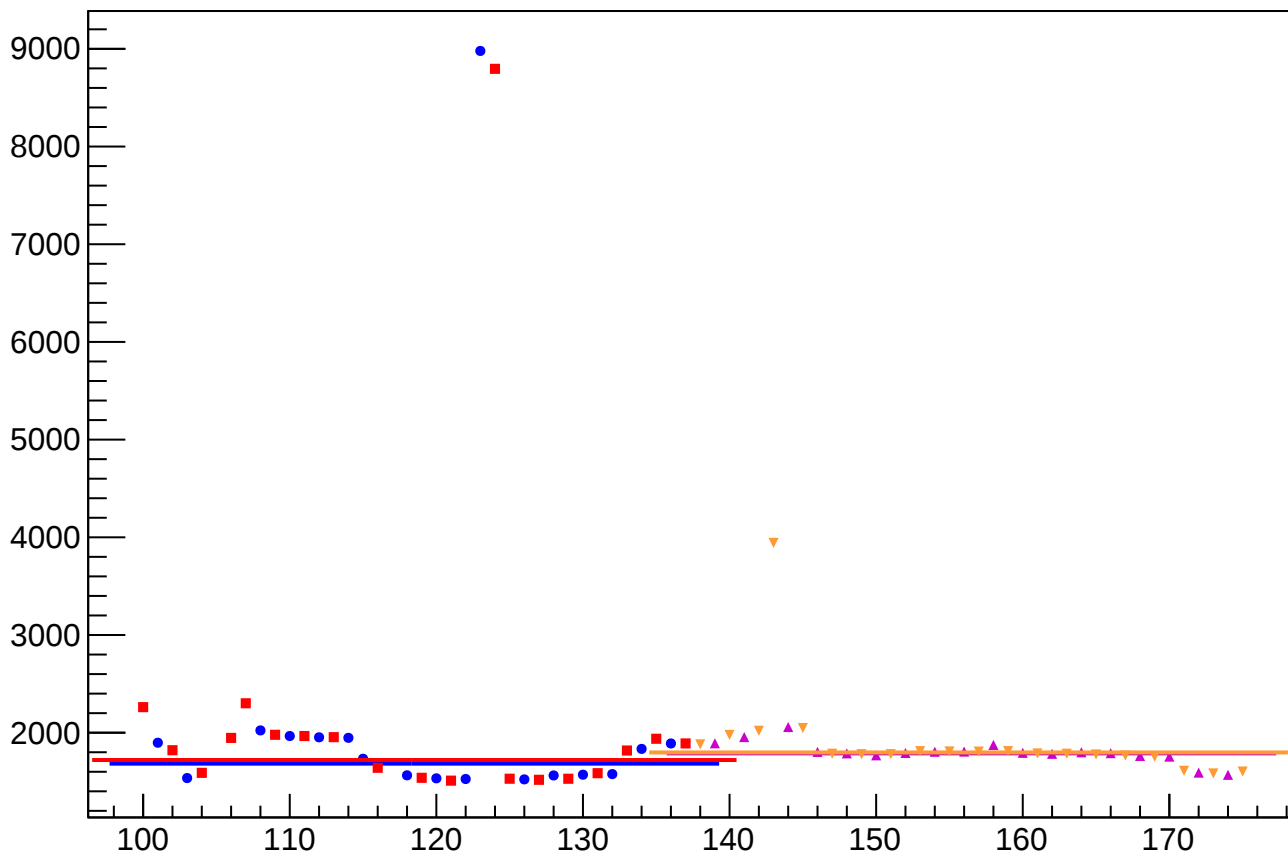
Left In: 711.009+/-479.597 χ^2 /NDF:4.8/17

+ sign 196.642+/-382.018 χ^2 /NDF: 42.2/36

All: 420.255+/-272.291 χ^2 /NDF: 74.4/73

- sign 651.178+/-388.212 χ^2 /NDF: 31.5/36

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1798.007+/-0.331 χ^2/NDF : 515143.8/19

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

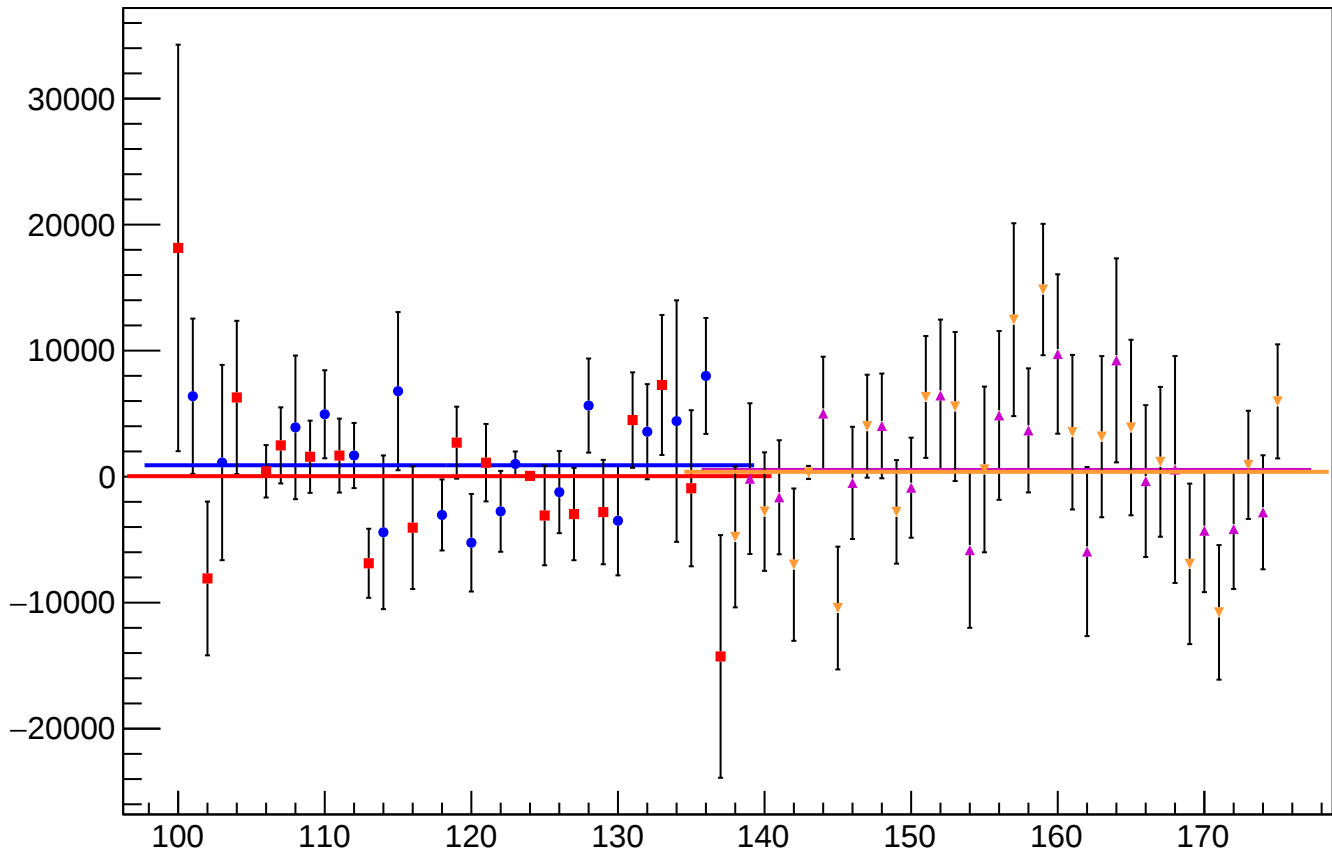
Left In: 1788.519+/-0.339 χ^2/NDF : 104263.1/17

+ sign 1759.691+/-0.270 χ^2/NDF : 751172.2/36

All: 1762.254+/-0.192 χ^2/NDF : 1265716.6/73

- sign 1764.892+/-0.274 χ^2/NDF : 514361.8/36

asym_atl_dd_correction_mean vs Slug



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

Left Out: 383.544+/-479.998 χ^2/NDF : 29.5/19

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

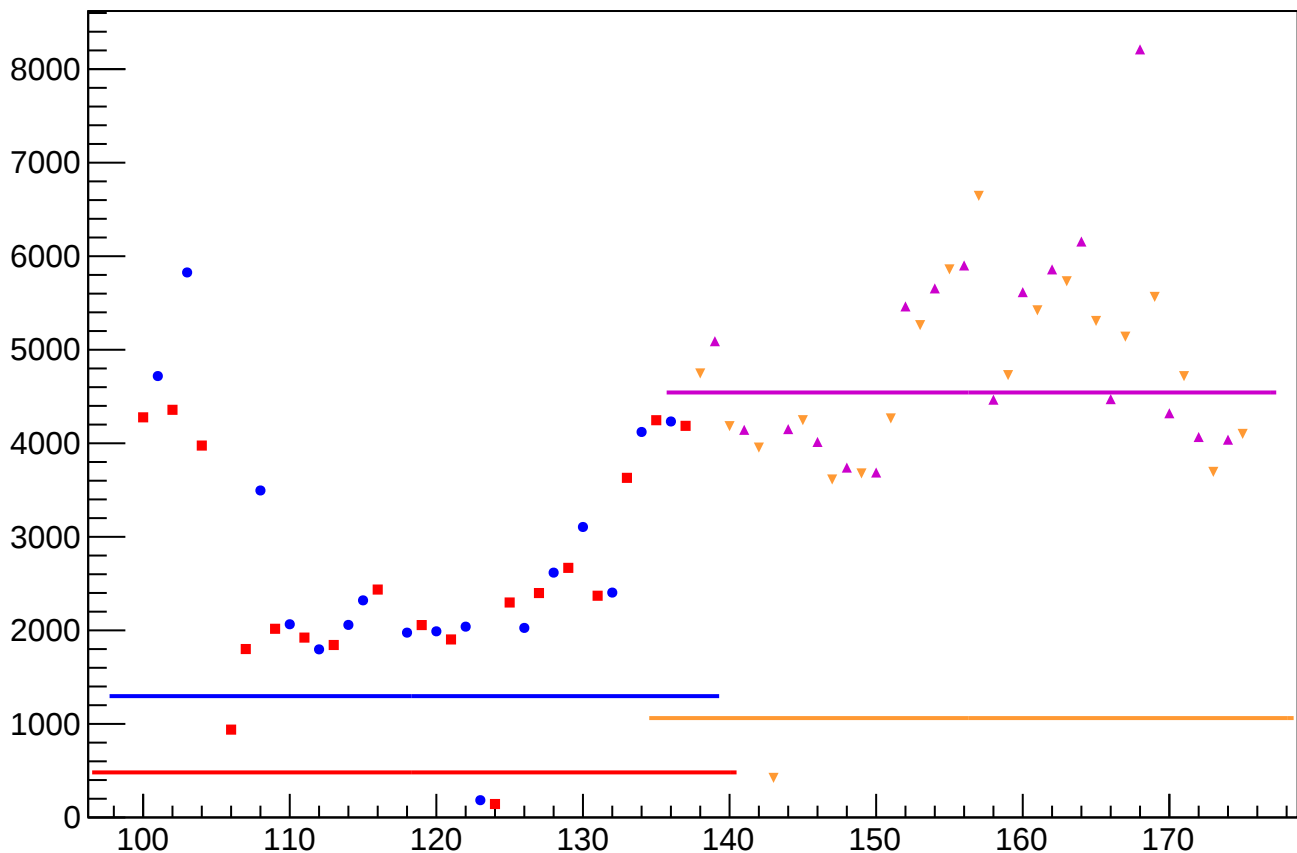
Left In: 531.091+/-1237.879 χ^2/NDF : 11.7/17

+ sign 548.001+/-396.867 χ^2/NDF : 45.9/36

All: 277.953+/-259.585 χ^2/NDF : 79.1/73

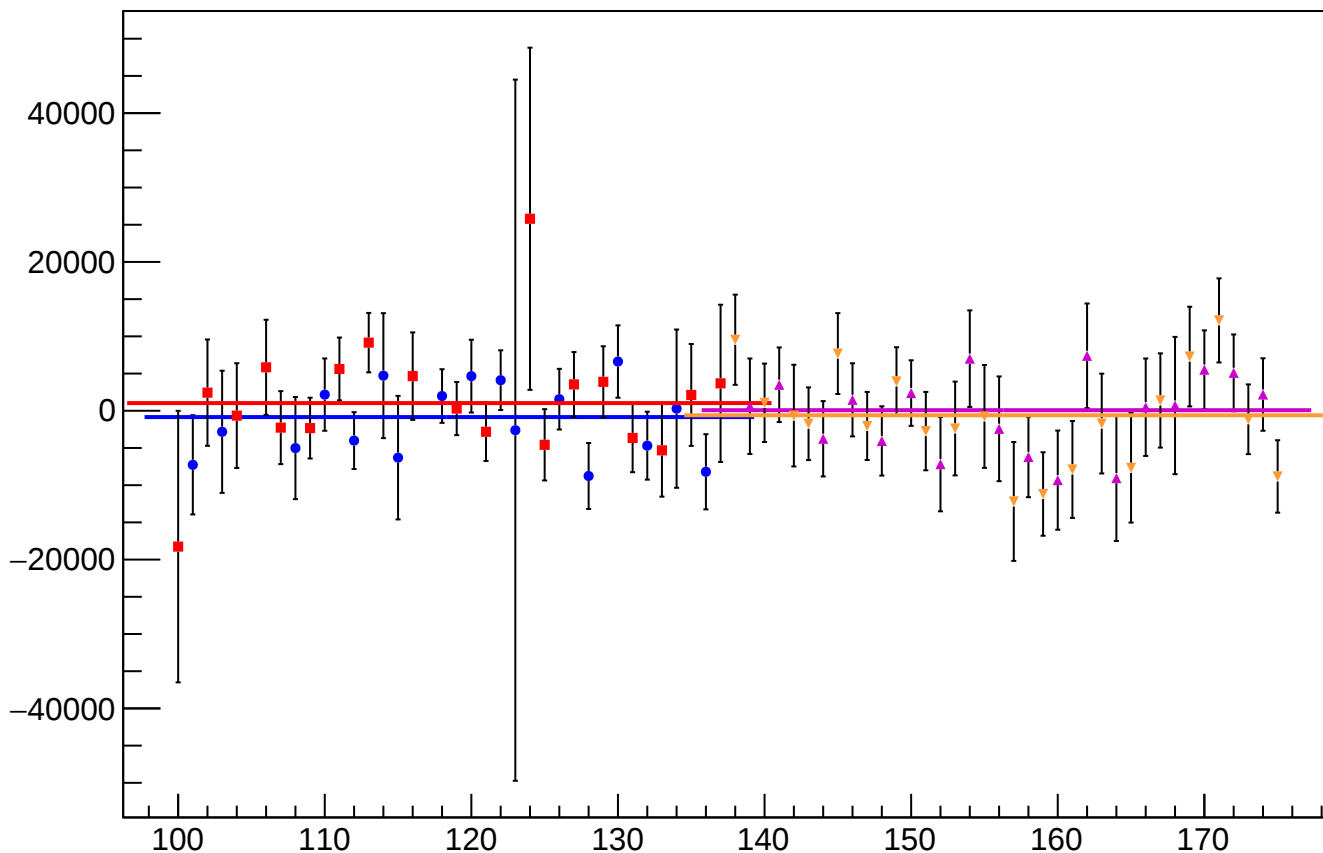
- sign 76.029+/-343.176 χ^2/NDF : 32.4/36

asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499	χ^2/NDF : 6509608.5/16	+ sign 1136.596+/-0.281	χ^2/NDF : 26663837.3/36
Left Out: 1062.357+/-0.339	χ^2/NDF : 20003012.1/19	All: 940.421+/-0.184	χ^2/NDF : 58571151.9/73
Right Out: 481.577+/-0.253	χ^2/NDF : 10144170.1/18	- sign 793.734+/-0.243	χ^2/NDF : 31053222.3/36
Left In: 4543.151+/-0.875	χ^2/NDF : 1032926.6/17		

asym_atl_dd_mean vs Slug



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

Left Out: -606.482 ± 1274.448 χ^2/NDF : 23.9/19

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

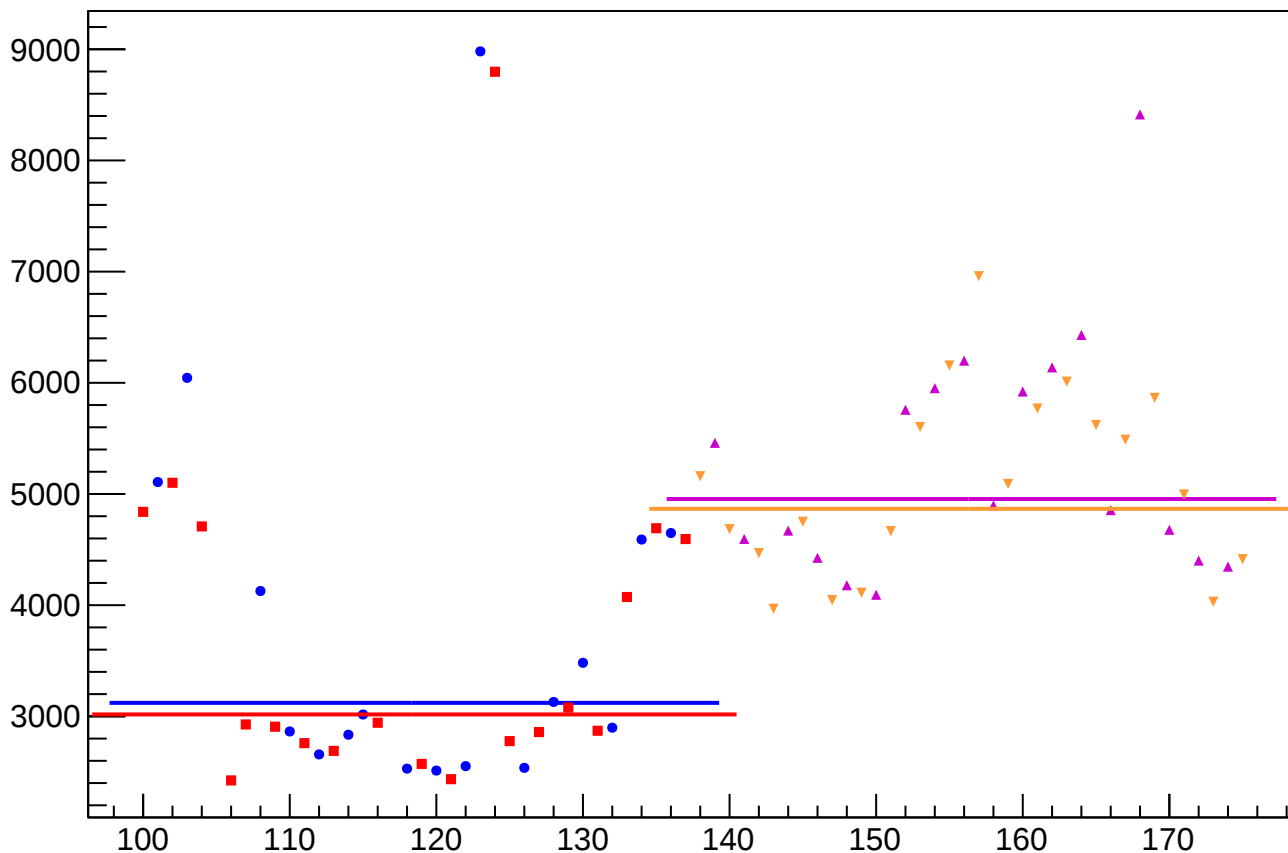
Left In: 77.842 ± 1345.077 χ^2/NDF : 12.6/17

+ sign -729.213 ± 896.387 χ^2/NDF : 39.4/36

All: -54.252 ± 632.130 χ^2/NDF : 68.3/73

- sign 613.465 ± 891.565 χ^2/NDF : 27.8/36

asym_atl_dd_rms vs Slug



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

Left Out: 4866.481+/-0.901 χ^2/NDF : 704192.0/19

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

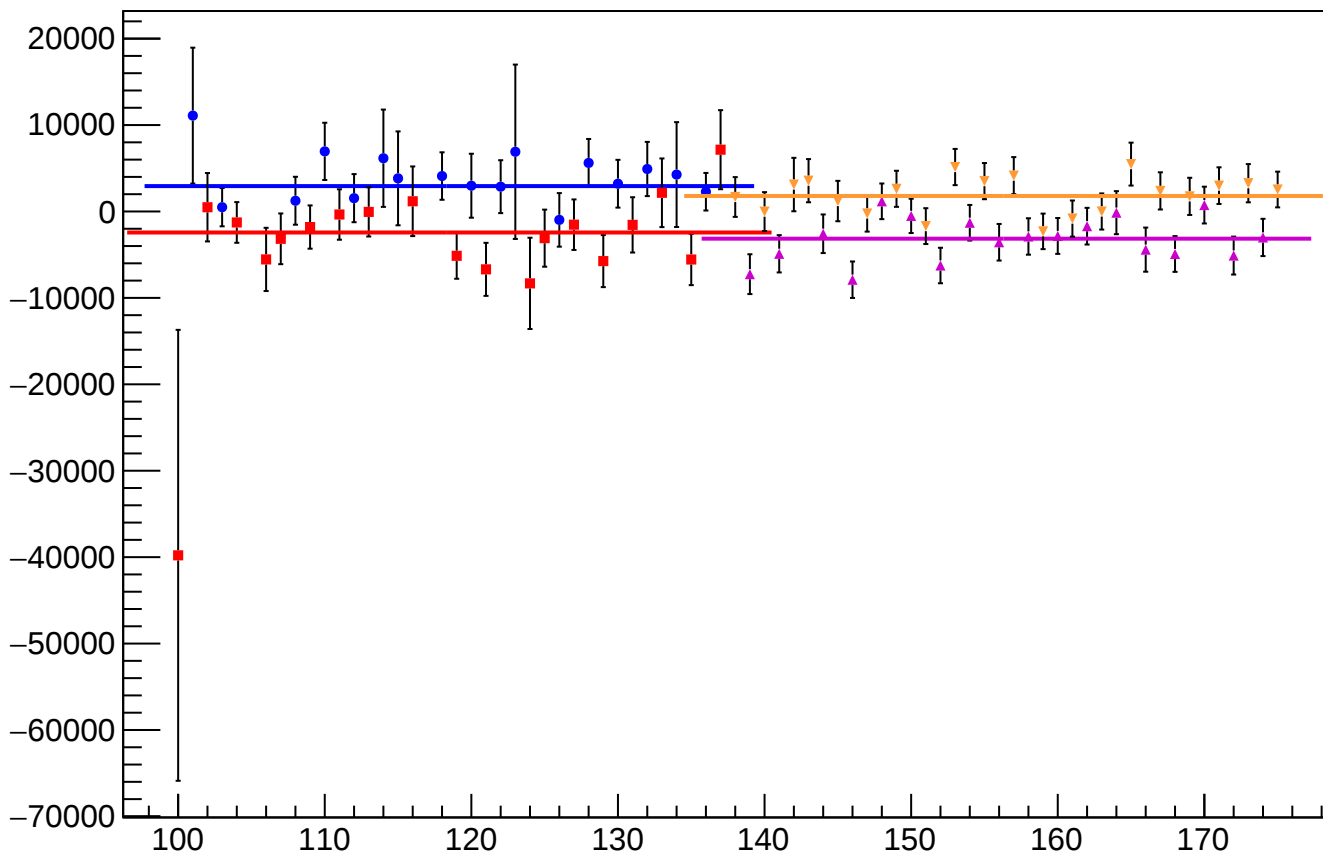
Left In: 4954.891+/-0.951 χ^2/NDF : 827546.0/17

+ sign 3984.707+/-0.634 χ^2/NDF : 3544660.9/36

All: 3919.855+/-0.445 χ^2/NDF : 7537413.5/73

- sign 3856.599+/-0.626 χ^2/NDF : 3972073.1/36

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1793.782+/-491.147 χ^2/NDF : 19.2/19

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

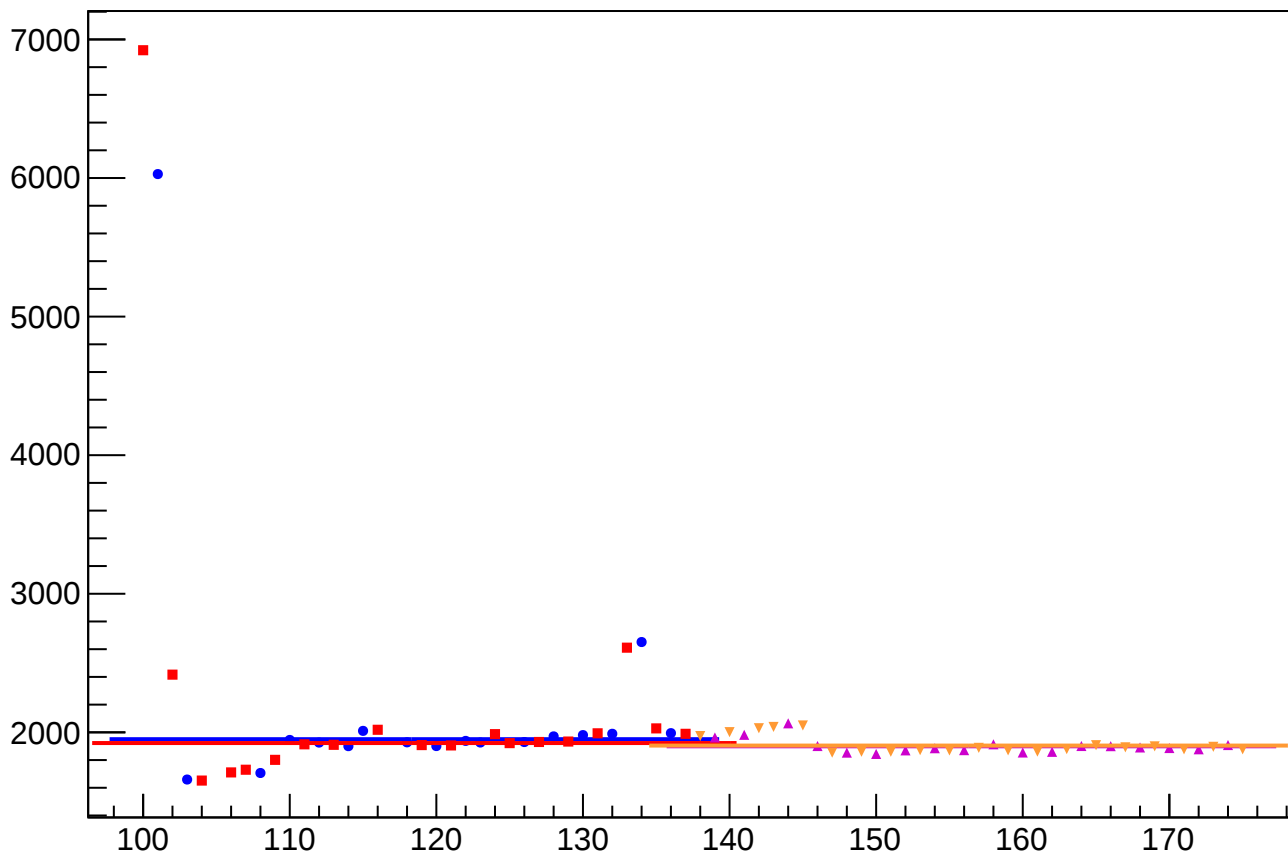
Left In: -3147.746+/-507.379 χ^2/NDF : 25.3/17

+ sign 2120.805+/-414.910 χ^2/NDF : 28.9/36

All: -377.295+/-294.660 χ^2/NDF : 146.2/73

- sign -2919.281+/-418.539 χ^2/NDF : 44.1/36

reg_asym_atr_avg_rms vs Slug



Right In: 1950.615+/-0.548 χ^2/NDF : 617332.2/16

Left Out: 1904.523+/-0.347 χ^2/NDF : 28980.5/19

Right Out: 1922.752+/-0.522 χ^2/NDF : 217400.0/18

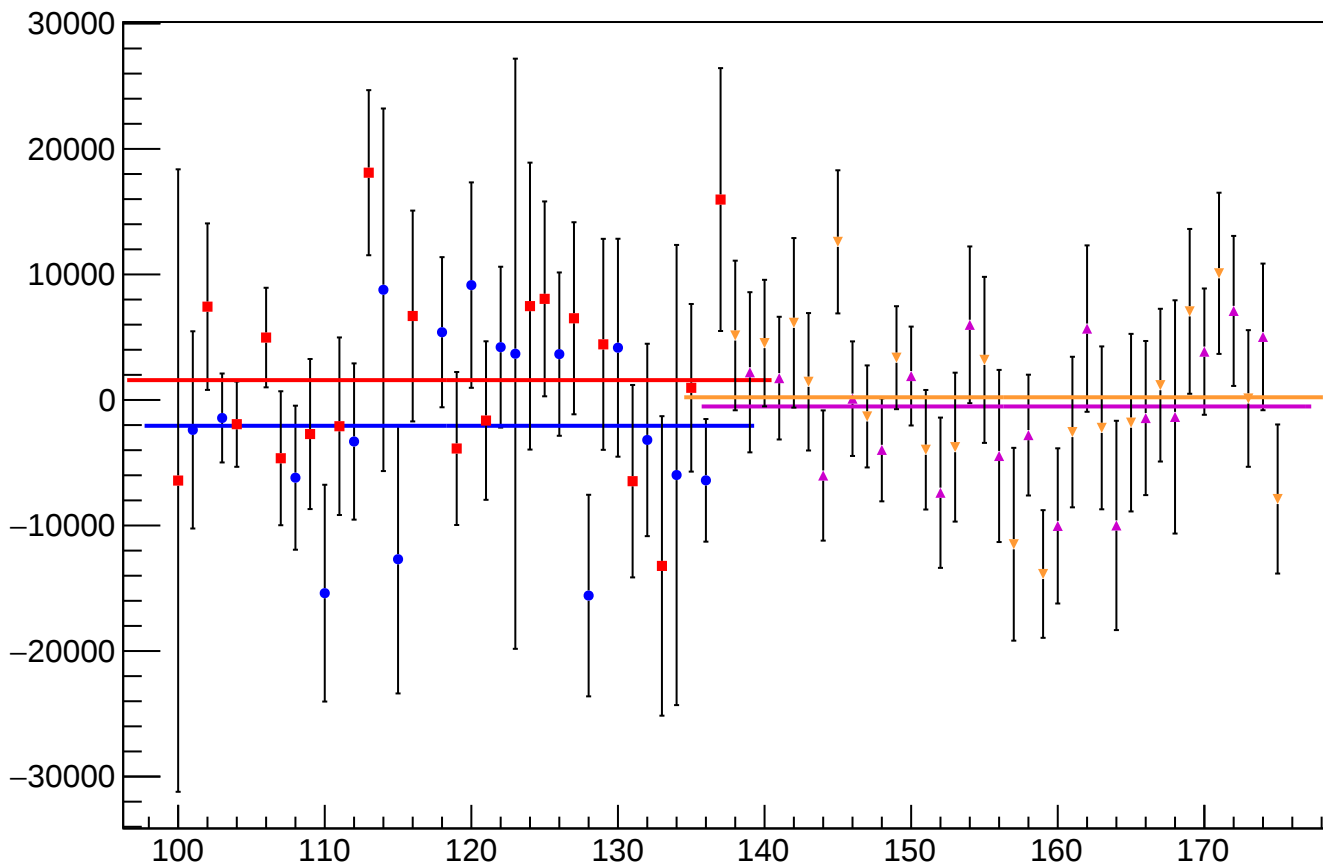
Left In: 1899.220+/-0.359 χ^2/NDF : 20901.5/17

+ sign 1917.721+/-0.293 χ^2/NDF : 651356.4/36

All: 1912.286+/-0.208 χ^2/NDF : 891729.0/73

- sign 1906.763+/-0.296 χ^2/NDF : 239680.6/36

asym_atr_avg_correction_mean vs Slug



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

Left Out: 214.792 ± 1257.169 χ^2/NDF : 24.9/19

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

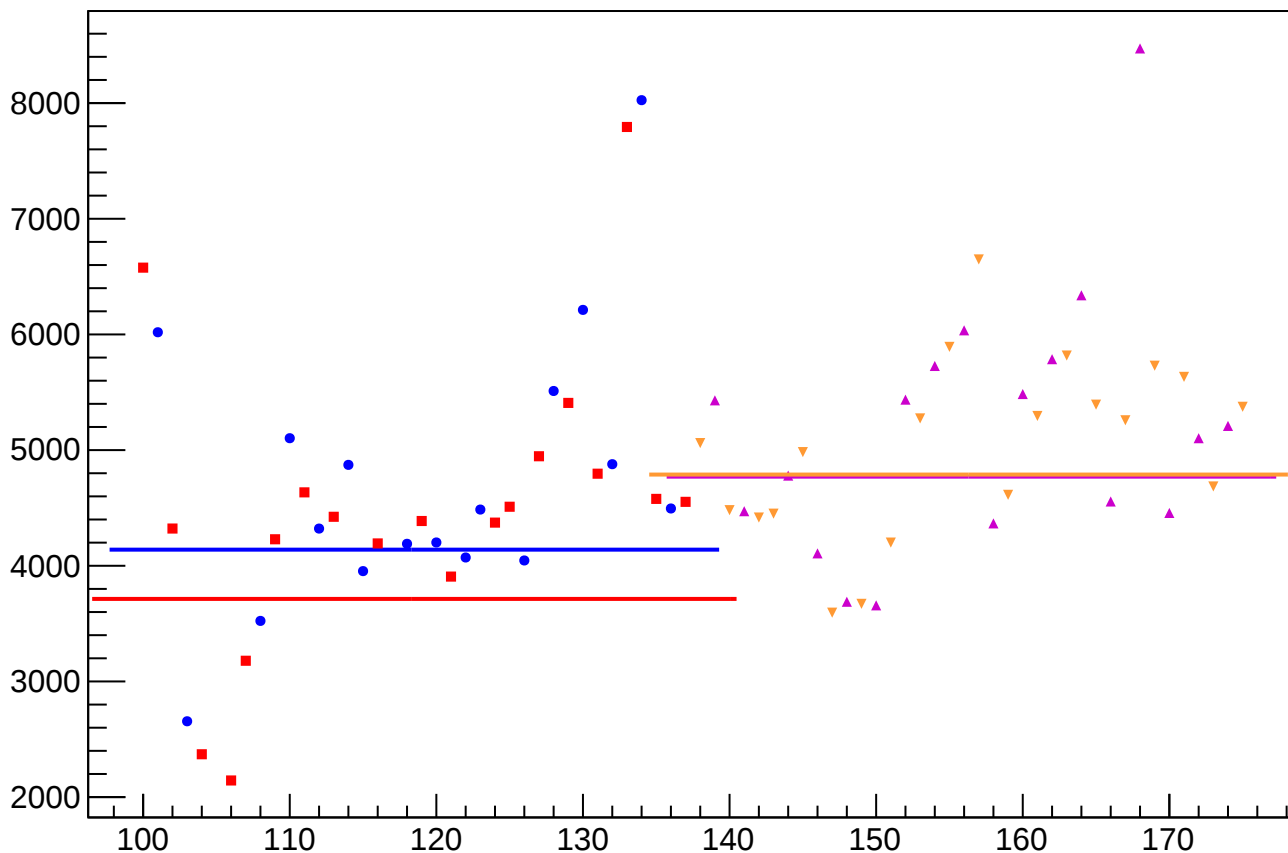
Left In: -517.600 ± 1299.816 χ^2/NDF : 13.4/17

+ sign -612.534 ± 1002.435 χ^2/NDF : 40.0/36

All: -93.746 ± 699.254 χ^2/NDF : 73.7/73

- sign 397.928 ± 975.888 χ^2/NDF : 33.2/36

asym_atr_avg_correction_rms vs Slug



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4788.558+/-0.889 χ^2/NDF : 755059.4/19

Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

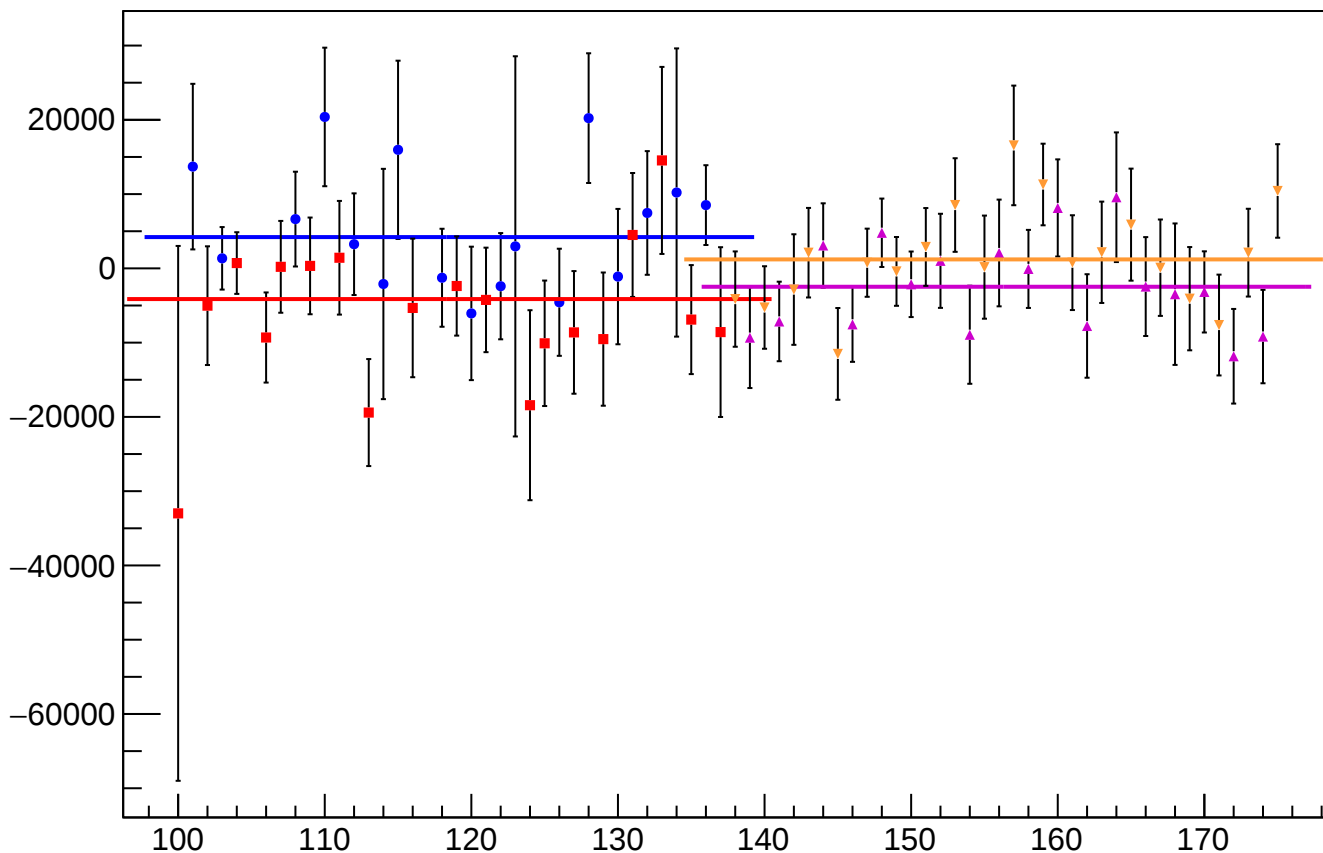
Left In: 4770.558+/-0.919 χ^2/NDF : 1013460.3/17

+ sign 4552.137+/-0.709 χ^2/NDF : 1762825.8/36

All: 4427.490+/-0.494 χ^2/NDF : 4689433.5/73

- sign 4309.358+/-0.690 χ^2/NDF : 2866378.3/36

asym_atr_avg_mean vs Slug



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

Left Out: 1206.419+/-1364.561 χ^2/NDF :20.1/19

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

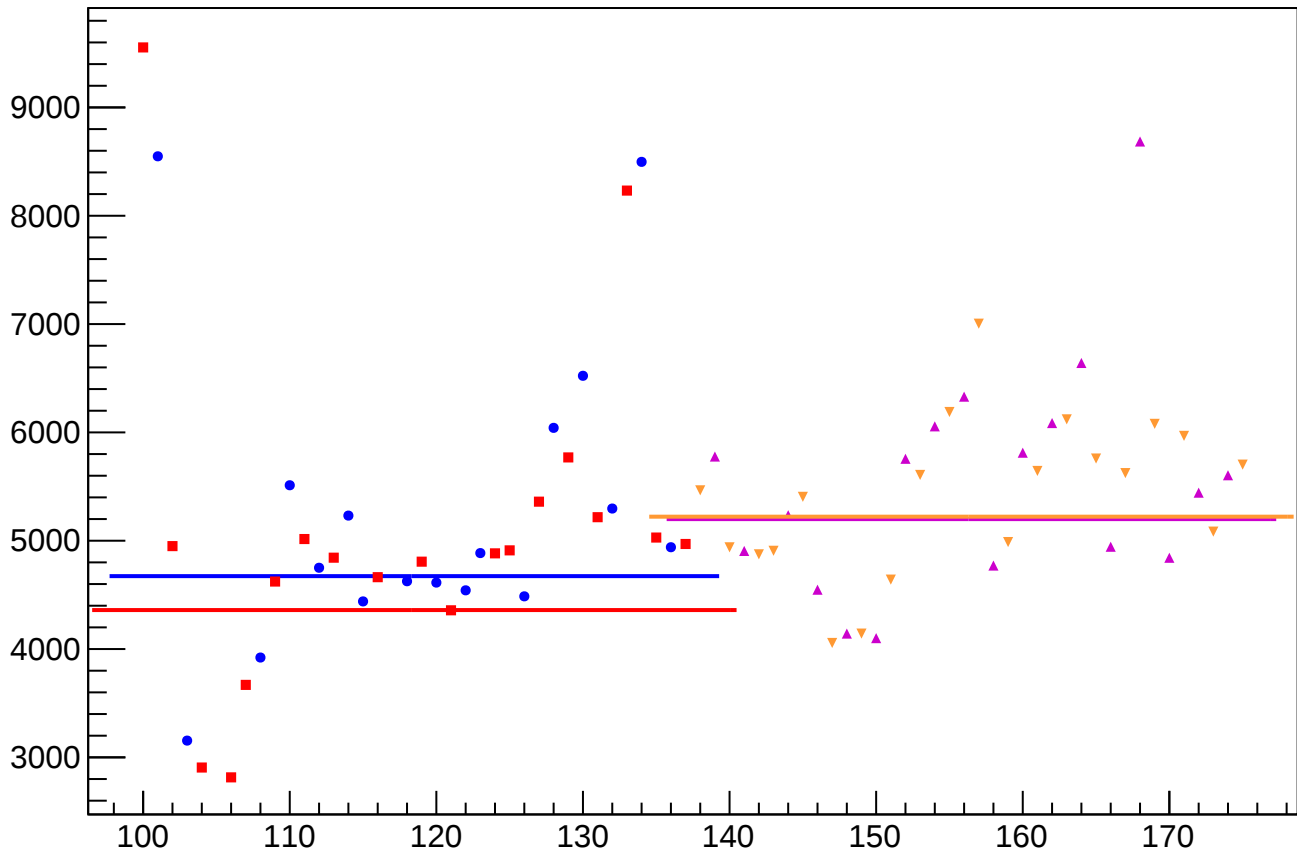
Left In: -2475.947+/-1410.199 χ^2/NDF :16.5/17

+ sign 2249.741+/-1102.556 χ^2/NDF : 36.2/36

All: -471.275+/-775.823 χ^2/NDF : 80.2/73

- sign -3139.859+/-1091.882 χ^2/NDF : 31.9/36

asym_atr_avg_rms vs Slug



Right In: 4673.046 $\pm$ 1.323 χ^2 /NDF: 777321.1/16

Left Out: 5221.993 $\pm$ 0.965 χ^2 /NDF: 558196.7/19

Right Out: 4359.833 $\pm$ 1.213 χ^2 /NDF: 832191.0/18

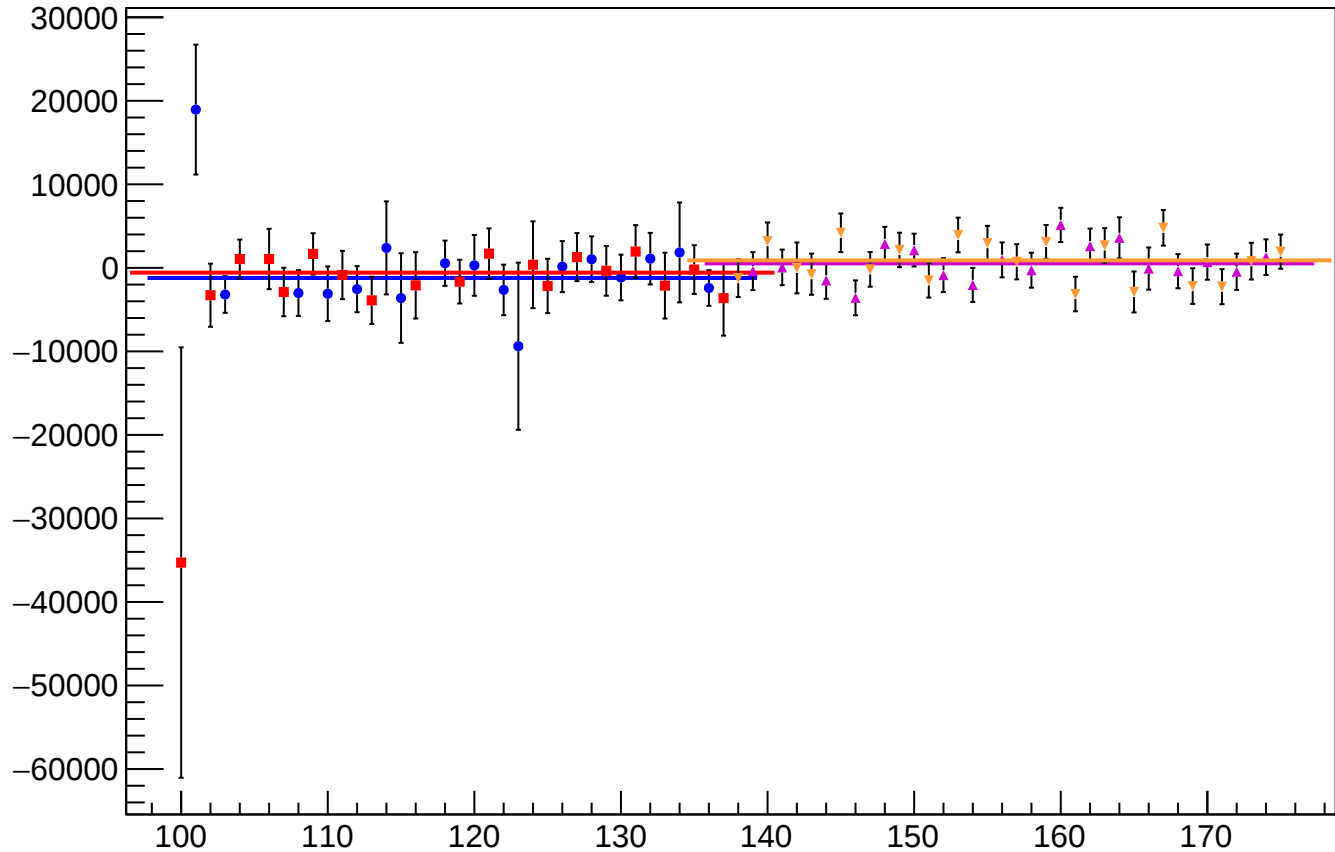
Left In: 5199.523 $\pm$ 0.997 χ^2 /NDF: 790301.8/17

+ sign 5031.428 $\pm$ 0.780 χ^2 /NDF: 1447879.6/36

All: 4945.131 $\pm$ 0.548 χ^2 /NDF: 3380552.9/73

- sign 4860.890 $\pm$ 0.770 χ^2 /NDF: 1908460.5/36

reg_asym_atr_dd_mean vs Slug



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

Left Out: 898.584+/-485.668 χ^2/NDF : 25.7/19

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

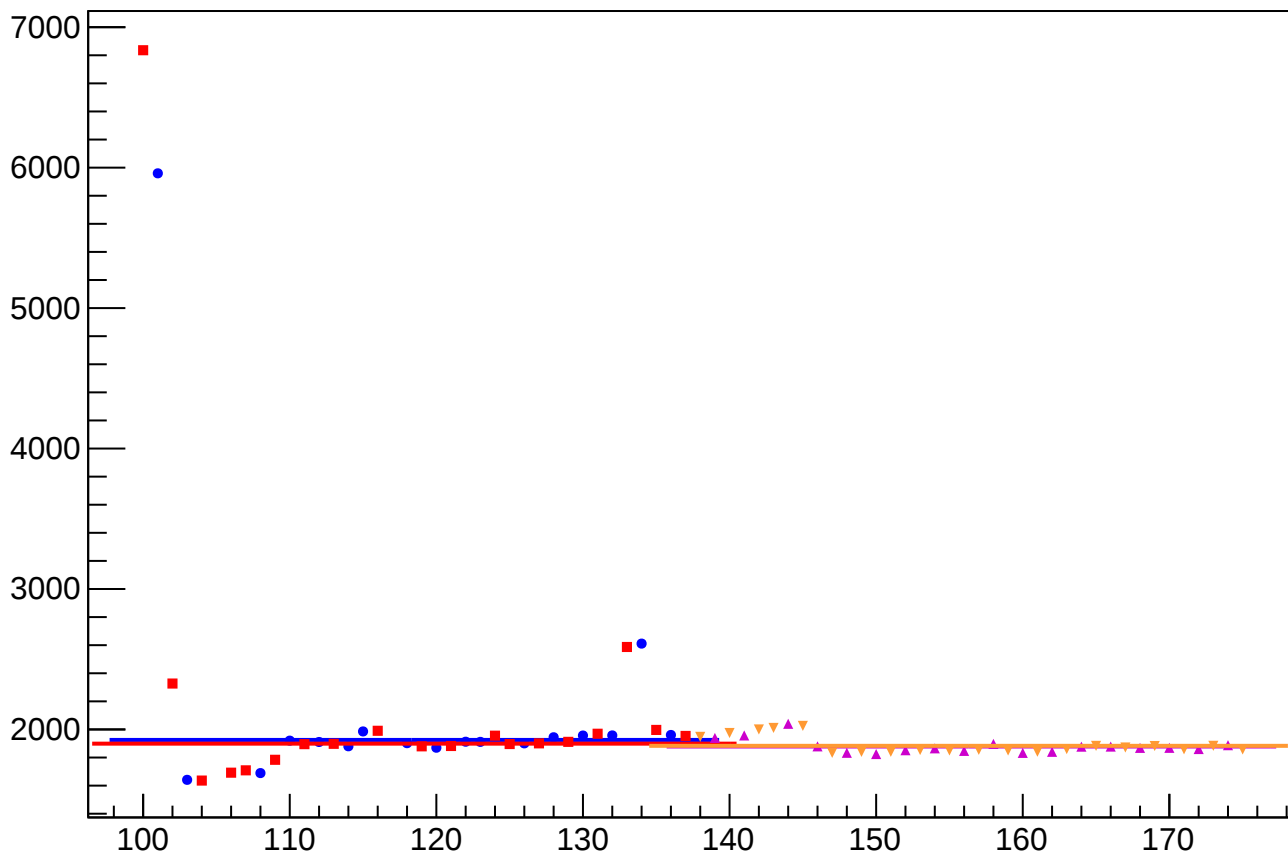
Left In: 540.013+/-501.840 χ^2/NDF : 17.4/17

+ sign 292.855+/-410.064 χ^2/NDF : 43.8/36

All: 238.466+/-291.225 χ^2/NDF : 71.5/73

- sign 183.117+/-413.668 χ^2/NDF : 27.7/36

reg_asym_atr_dd_rms vs Slug



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1883.355+/-0.343 χ^2/NDF : 27271.5/19

Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

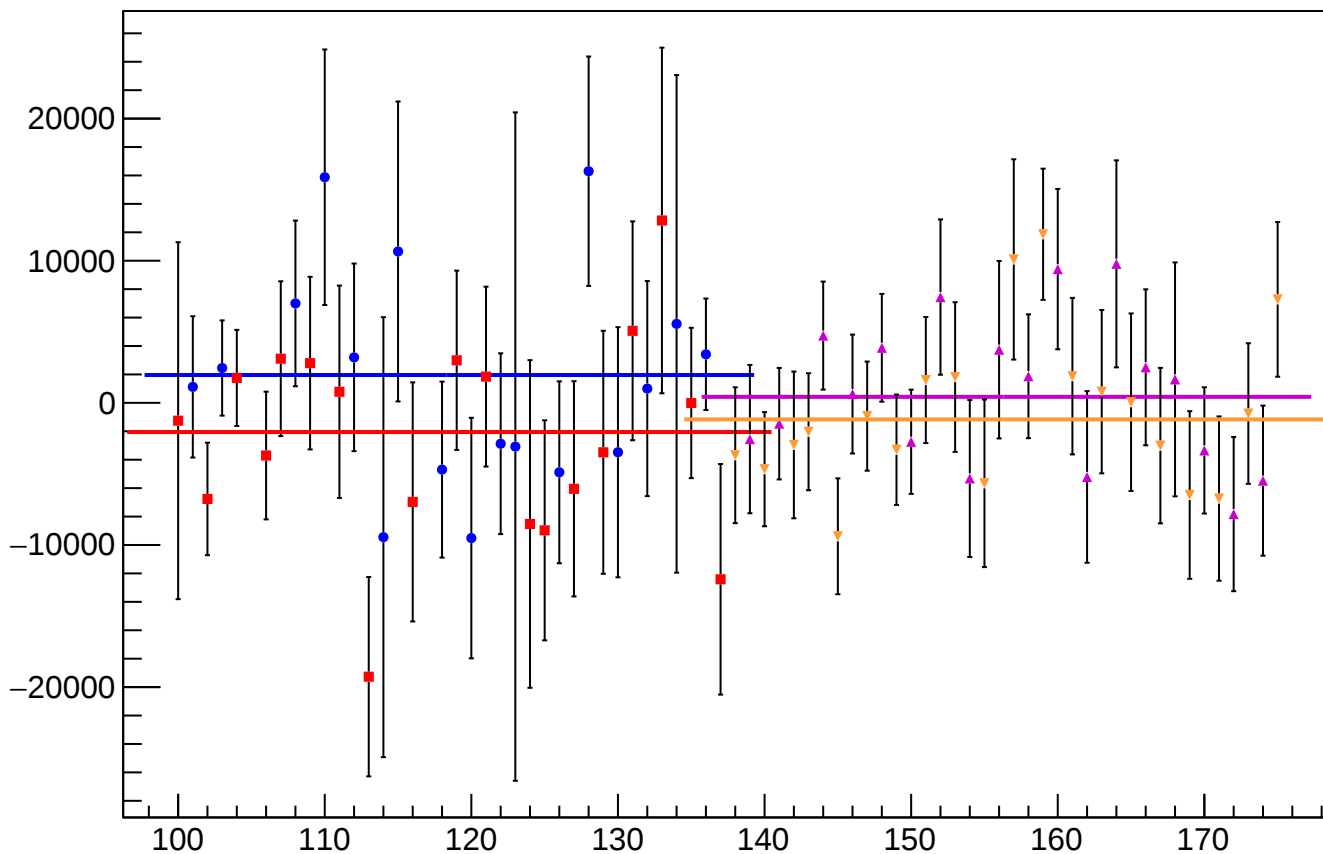
Left In: 1878.494+/-0.355 χ^2/NDF : 20263.6/17

+ sign 1895.404+/-0.290 χ^2/NDF : 647422.3/36

All: 1890.263+/-0.206 χ^2/NDF : 880253.0/73

- sign 1885.040+/-0.292 χ^2/NDF : 232197.1/36

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060 $\pm$ 1556.840 χ^2 /NDF: 12.9/16

Left Out: -1162.862 $\pm$ 1094.282 χ^2 /NDF:22.1/19

Right Out: -2052.842 $\pm$ 1413.641 χ^2 /NDF: 17.4/18

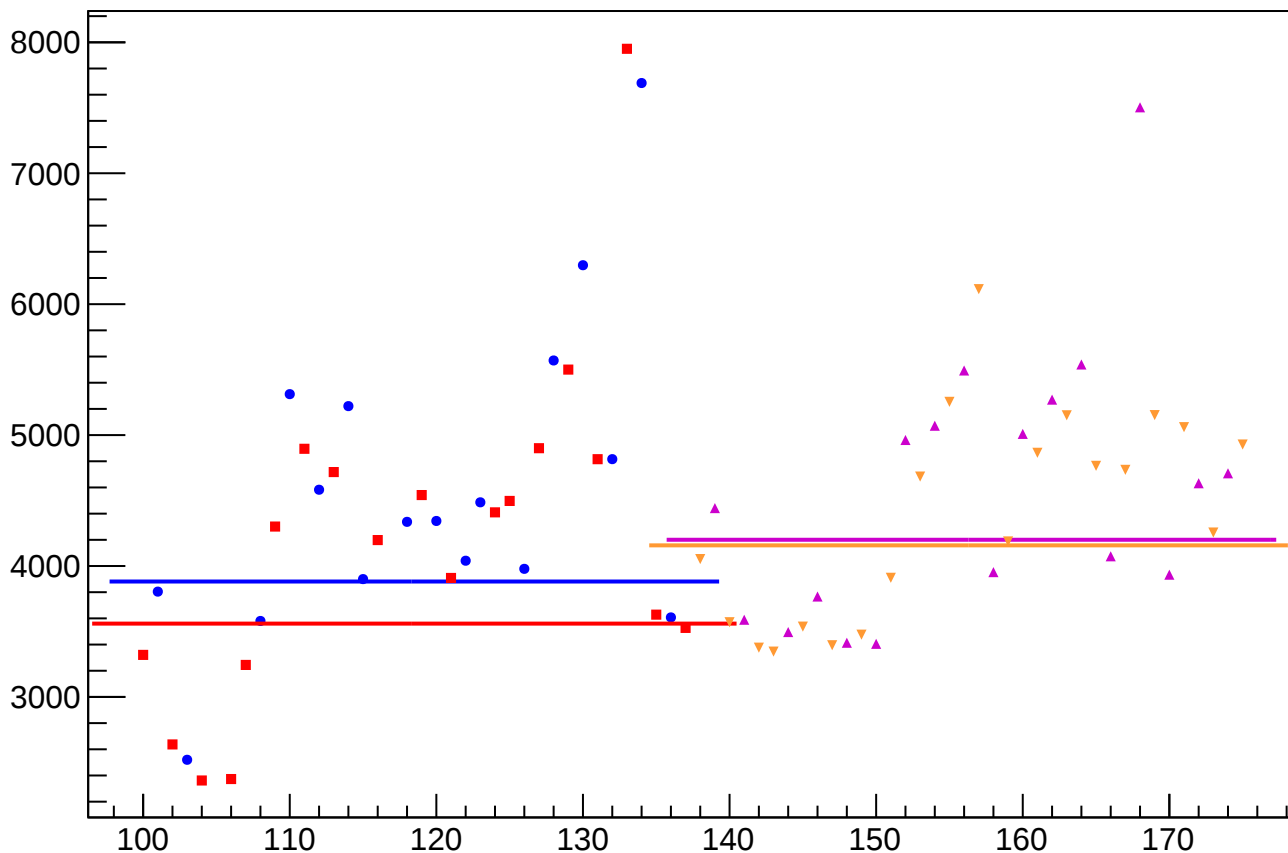
Left In: 422.460 $\pm$ 1144.889 χ^2 /NDF:16.0/17

+ sign -130.512 $\pm$ 895.255 χ^2 /NDF: 37.8/36

All: -345.596 $\pm$ 631.068 χ^2 /NDF: 73.2/73

- sign -558.019 $\pm$ 889.701 χ^2 /NDF: 35.3/36

asym_atr_dd_correction_rms vs Slug



Right In: 3881.577+/-1.101 χ^2/NDF : 817466.6/16

Left Out: 4157.746+/-0.774 χ^2/NDF : 884494.7/19

Right Out: 3560.054+/-1.000 χ^2/NDF : 1241523.0/18

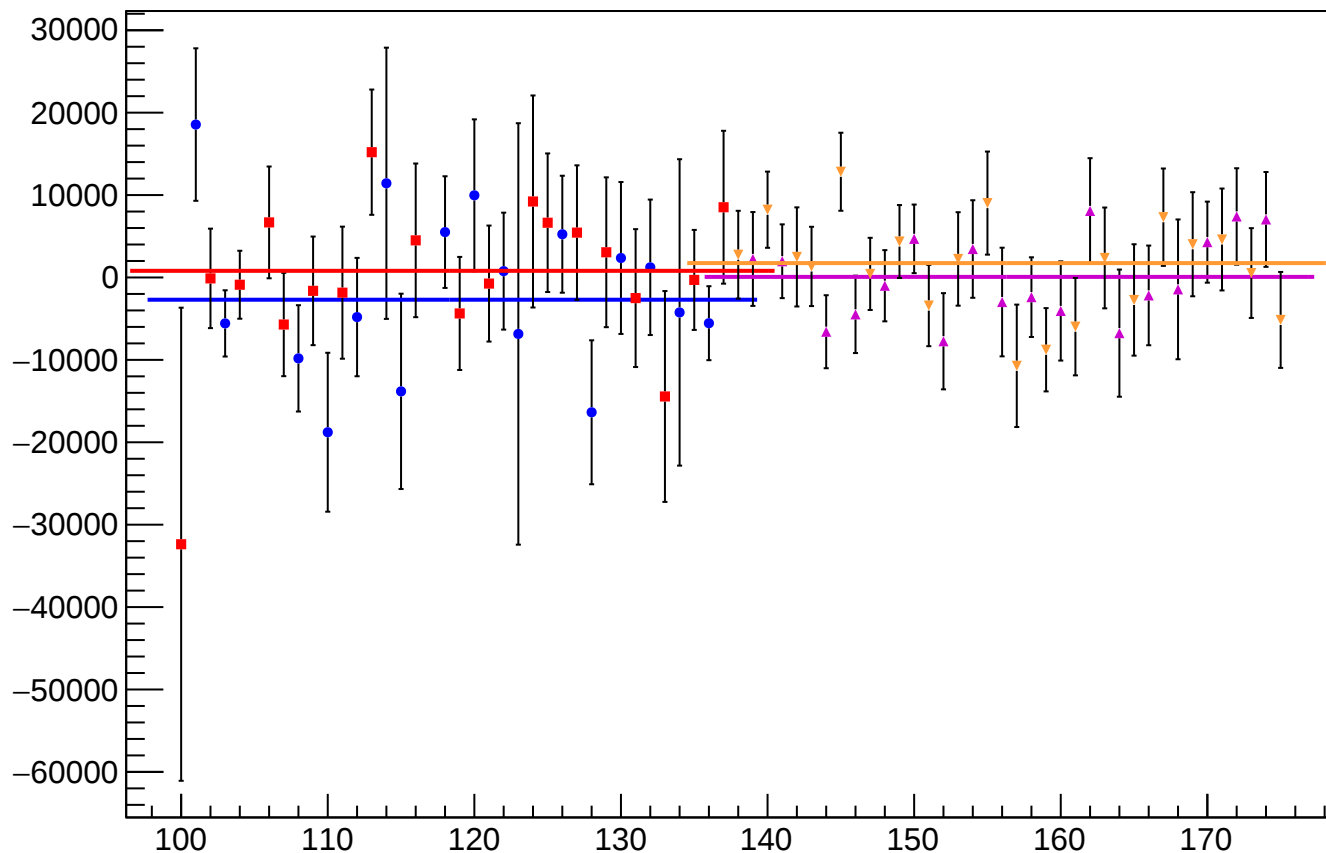
Left In: 4200.507+/-0.810 χ^2/NDF : 1037236.4/17

+ sign 4066.423+/-0.633 χ^2/NDF : 1744085.1/36

All: 4006.250+/-0.446 χ^2/NDF : 4288710.4/73

- sign 3946.820+/-0.629 χ^2/NDF : 2526666.3/36

asym_atr_dd_mean vs Slug



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

Left Out: 1743.888 ± 1216.238 χ^2/NDF : 22.4/19

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

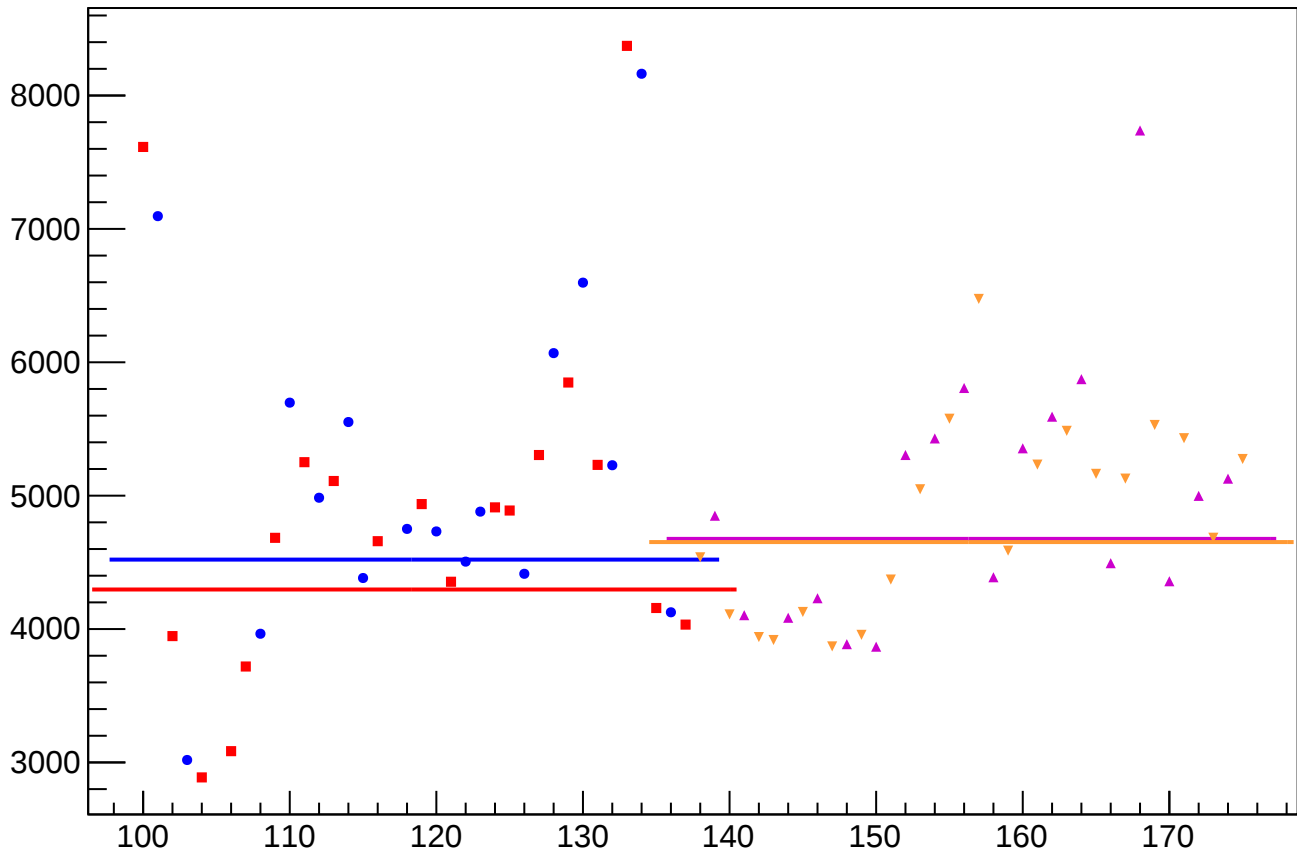
Left In: 70.823 ± 1267.156 χ^2/NDF : 14.2/17

+ sign 360.321 ± 1009.337 χ^2/NDF : 46.3/36

All: 347.870 ± 715.317 χ^2/NDF : 72.1/73

- sign 335.306 ± 1013.900 χ^2/NDF : 25.8/36

asym_atr_dd_rms vs Slug



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

Left Out: 4652.156+/-0.860 χ^2/NDF : 595760.0/19

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

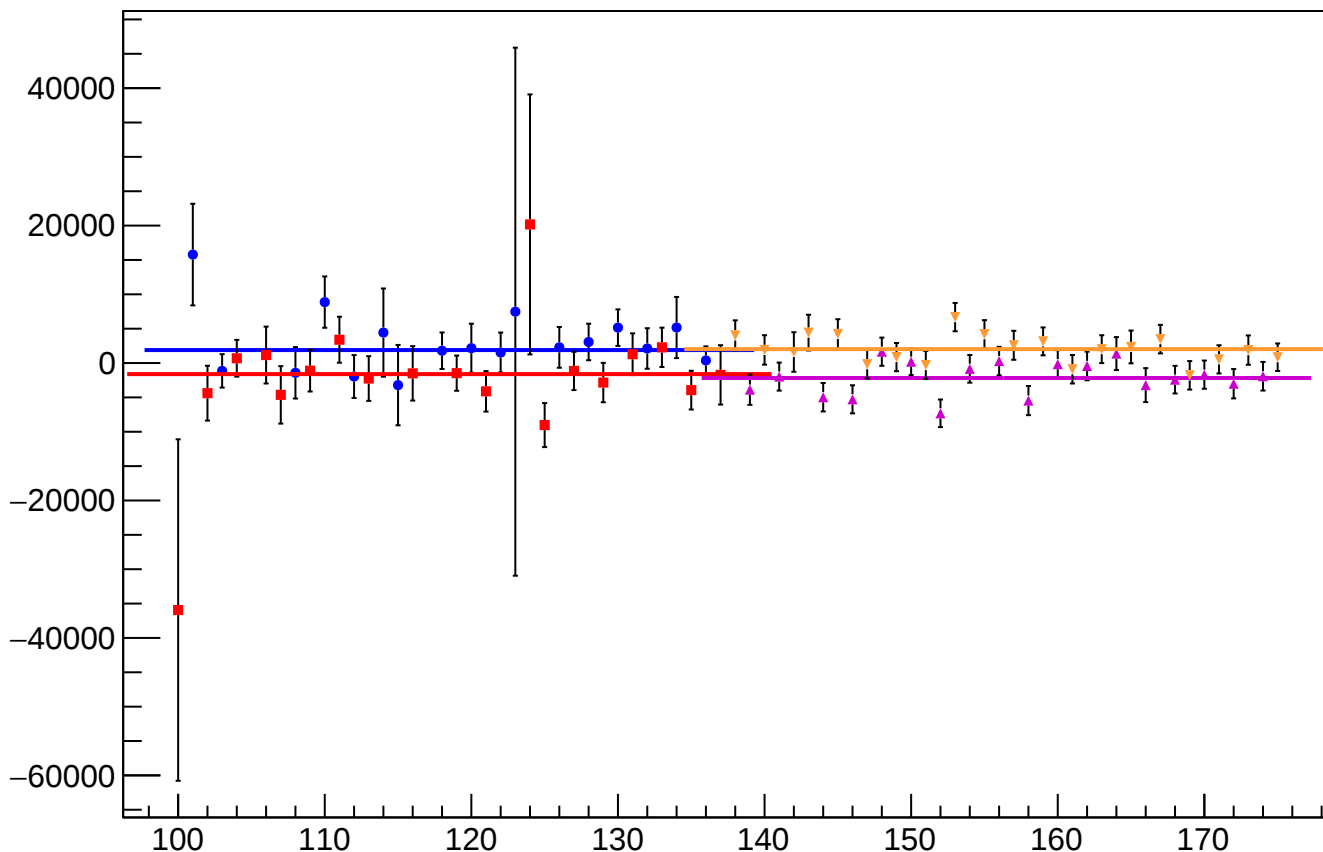
Left In: 4675.972+/-0.896 χ^2/NDF : 755529.8/17

+ sign 4611.230+/-0.714 χ^2/NDF : 1373922.3/36

All: 4574.947+/-0.505 χ^2/NDF : 2971400.8/73

- sign 4538.482+/-0.715 χ^2/NDF : 1592296.7/36

reg_asym_at1_avg_mean vs Slug



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

Left Out: 2024.026 ± 477.640 χ^2/NDF : 18.8/19

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

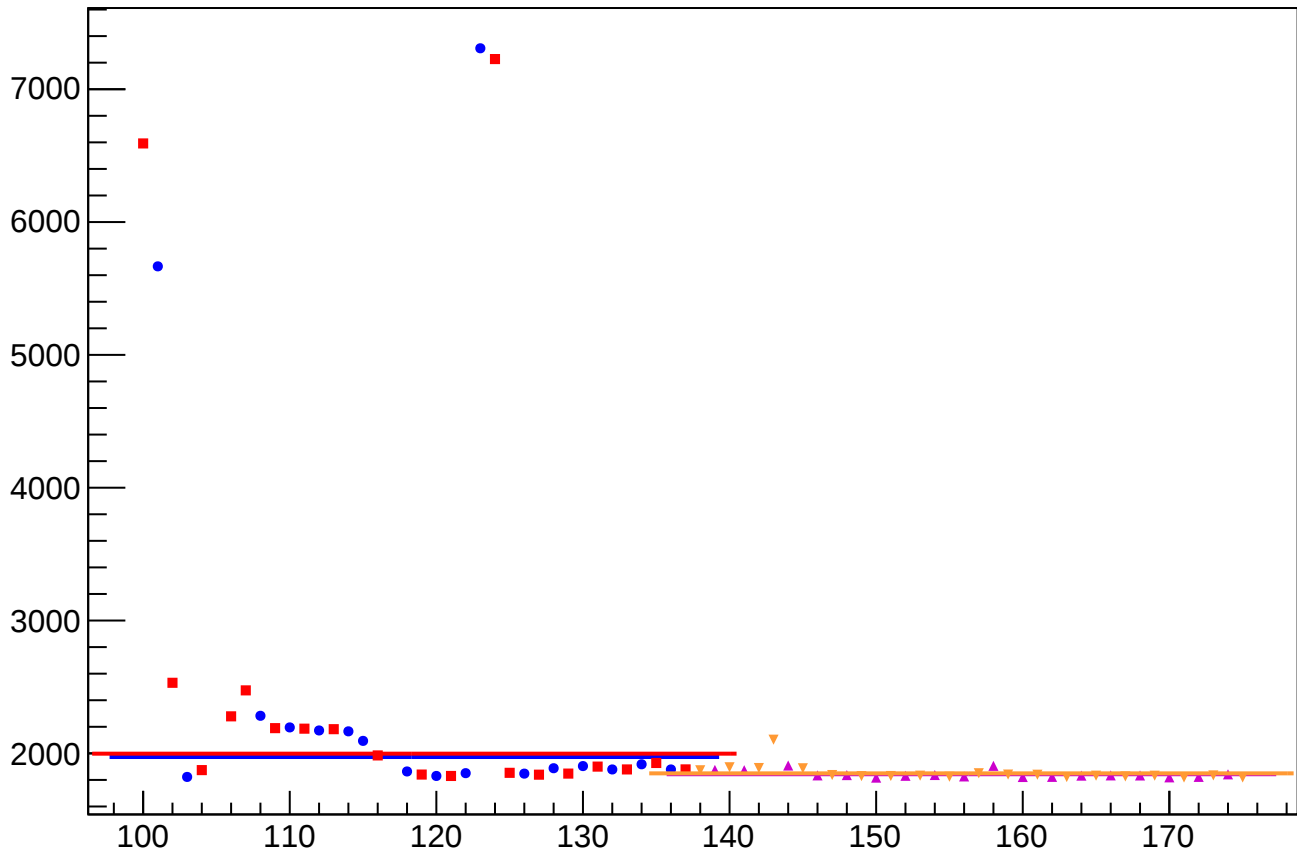
Left In: -2175.634 ± 493.256 χ^2/NDF : 24.7/17

+ sign 1987.169 ± 407.877 χ^2/NDF : 33.5/36

All: 21.733 ± 290.791 χ^2/NDF : 123.4/73

- sign -2009.881 ± 414.687 χ^2/NDF : 42.6/36

reg_asym_at1_avg_rms vs Slug



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1849.445+/-0.338 χ^2/NDF : 24124.9/19

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

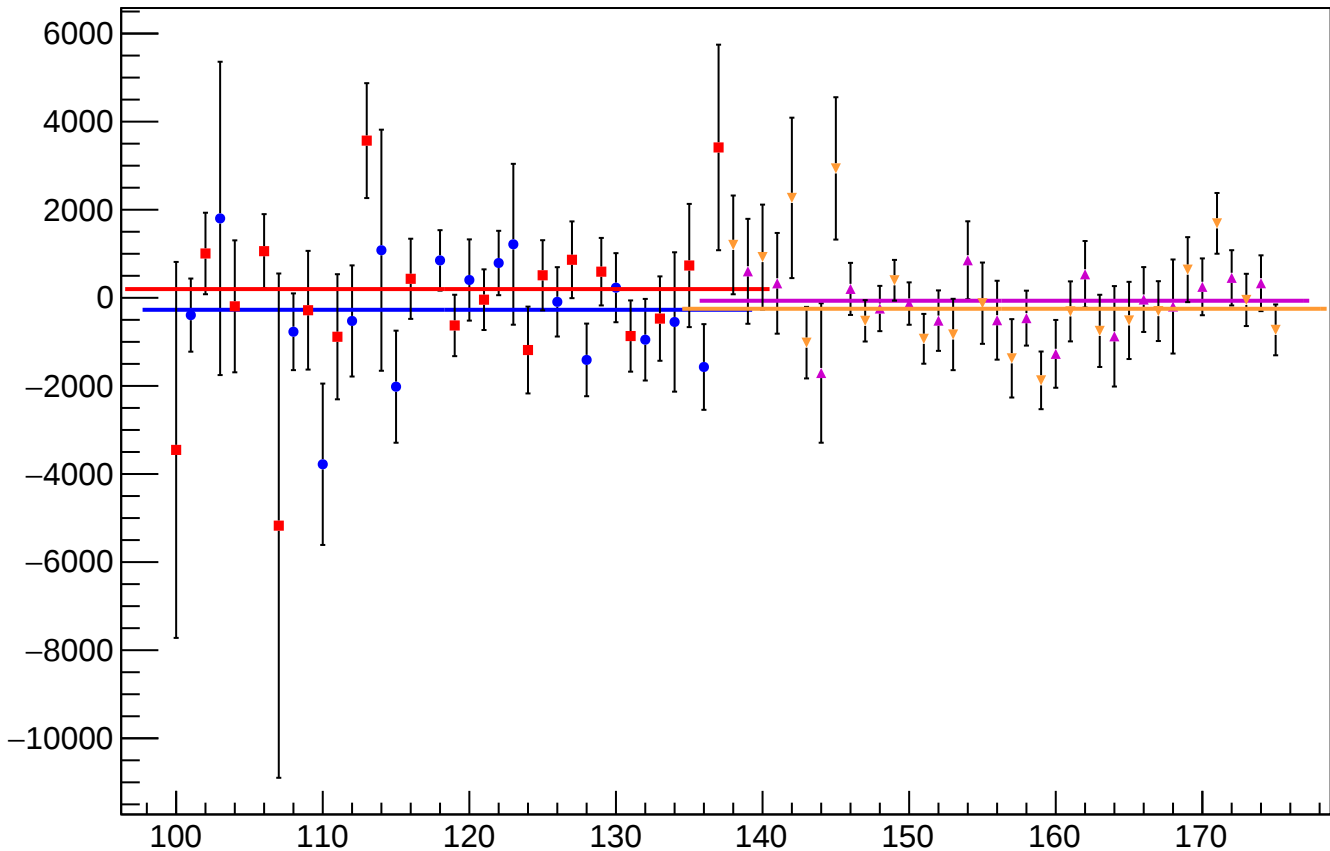
Left In: 1842.806+/-0.349 χ^2/NDF : 6199.5/17

+ sign 1882.761+/-0.288 χ^2/NDF : 660931.1/36

All: 1885.439+/-0.206 χ^2/NDF : 1080664.0/73

- sign 1888.206+/-0.293 χ^2/NDF : 419557.7/36

asym_at1_avg_correction_mean vs Slug



Right In: -271.773+/-240.214 χ^2 /NDF: 17.2/16

Left Out: -248.688+/-159.647 χ^2 /NDF:32.0/19

Right Out: 198.424+/-229.035 χ^2 /NDF: 19.7/18

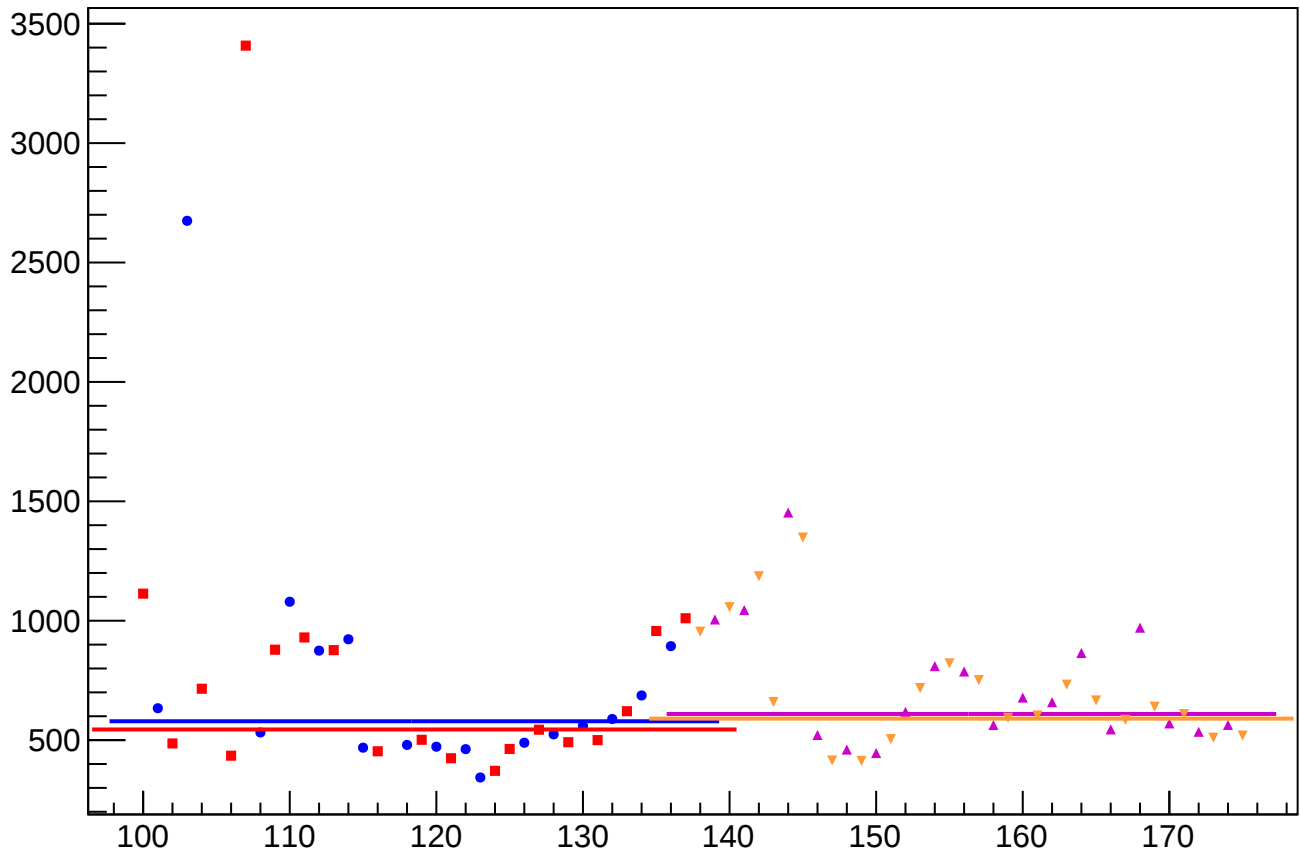
Left In: -66.419+/-170.451 χ^2 /NDF:8.9/17

+ sign -255.761+/-132.961 χ^2 /NDF: 49.3/36

All: -117.865+/-95.325 χ^2 /NDF: 81.0/73

- sign 27.981+/-136.740 χ^2 /NDF: 29.5/36

asym_at1_avg_correction_rms vs Slug



Right In: 579.010+/-0.170 $\chi^2/\text{NDF}: 1422148.6/16$

Left Out: 590.053+/-0.113 $\chi^2/\text{NDF}: 2201075.4/19$

Right Out: 544.674+/-0.162 $\chi^2/\text{NDF}: 1457799.9/18$

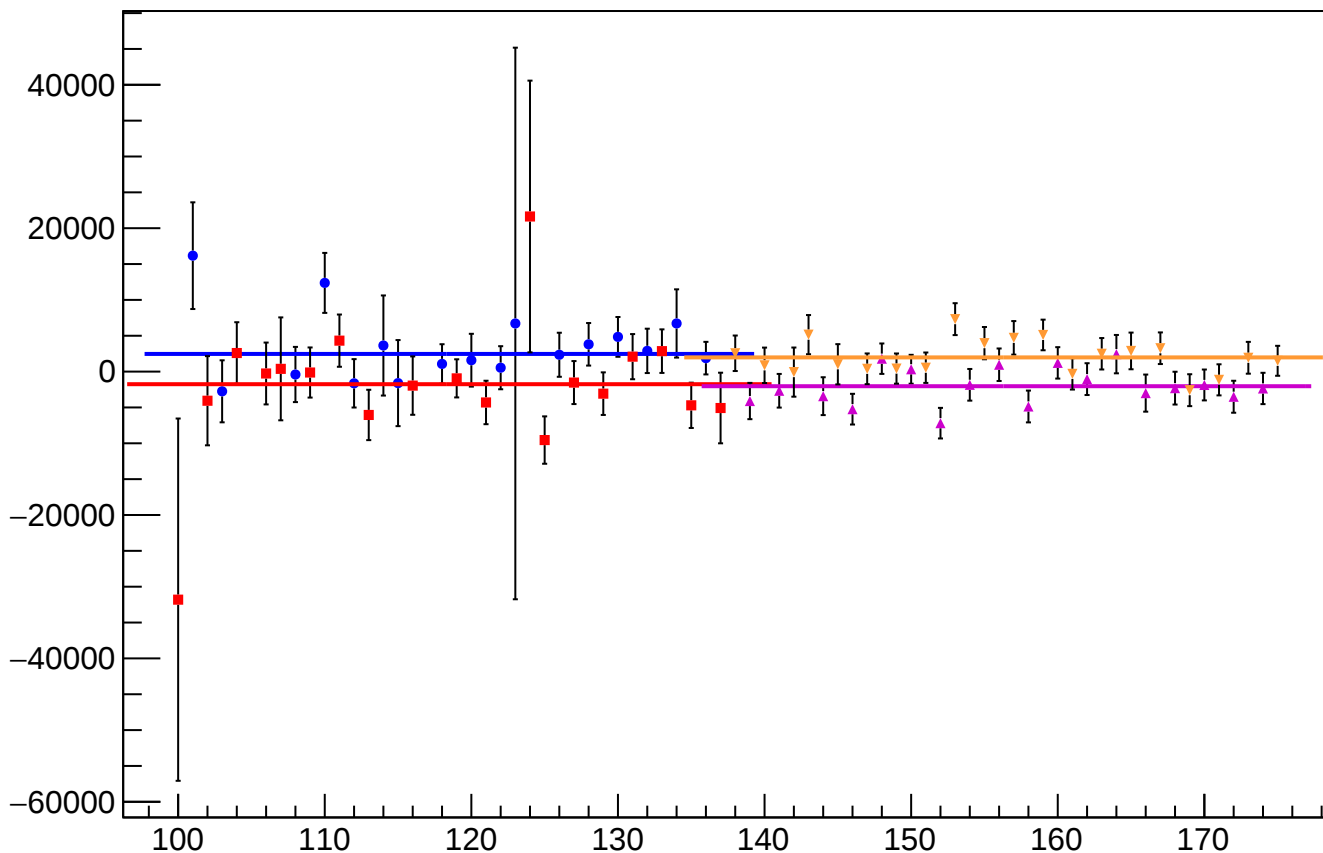
Left In: 609.650+/-0.121 $\chi^2/\text{NDF}: 2129841.0/17$

+ sign 586.670+/-0.094 $\chi^2/\text{NDF}: 3626155.7/36$

All: 586.582+/-0.067 $\chi^2/\text{NDF}: 7317390.2/73$

- sign 586.490+/-0.097 $\chi^2/\text{NDF}: 3691232.7/36$

asym_at1_avg_mean vs Slug



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 1979.468 $\pm$ 515.526 χ^2 /NDF:21.7/19

Right Out: -1756.788 $\pm$ 853.292 χ^2 /NDF: 20.5/18

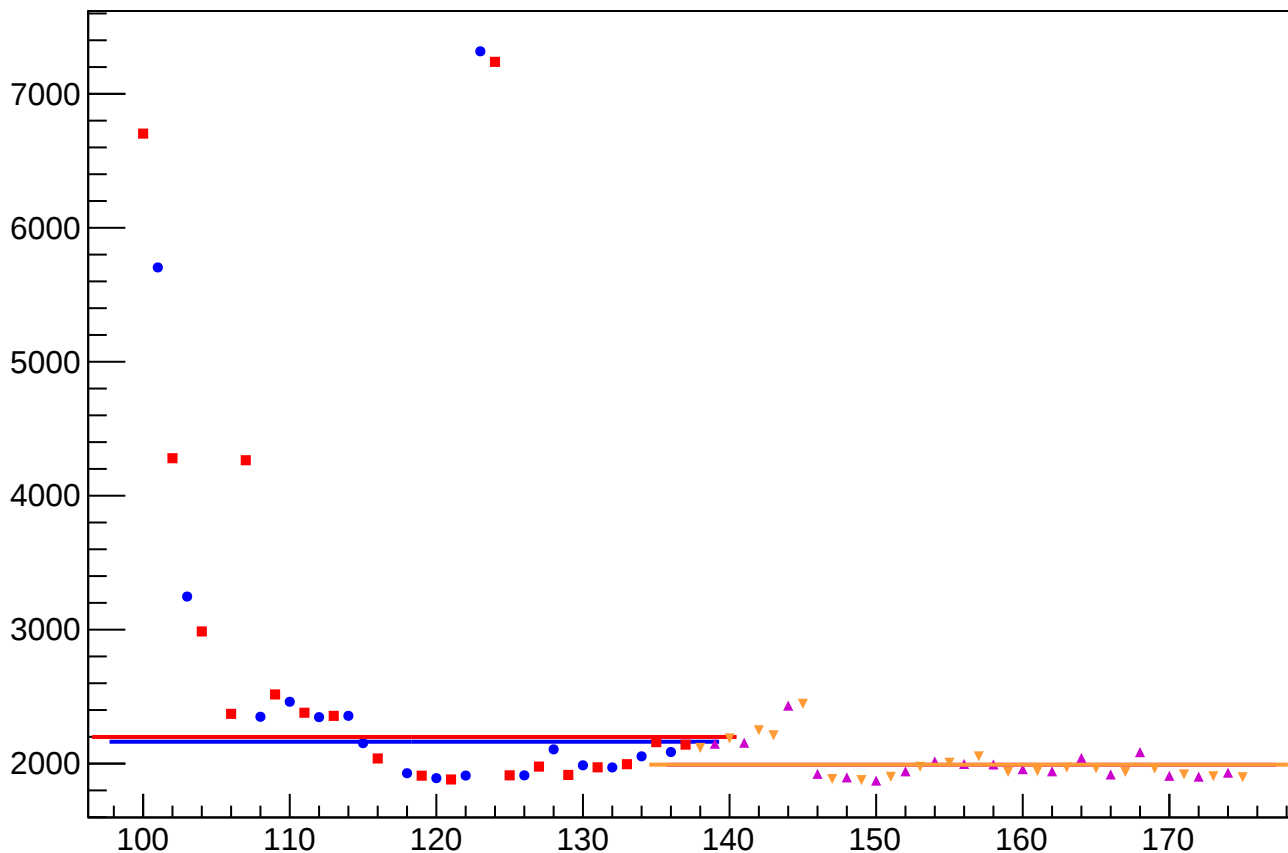
Left In: -2038.028 $\pm$ 533.837 χ^2 /NDF:22.9/17

+ sign 2106.875 $\pm$ 442.600 χ^2 /NDF: 37.4/36

All: 119.240 $\pm$ 316.430 χ^2 /NDF: 122.2/73

- sign -1958.915 $\pm$ 452.566 χ^2 /NDF: 43.5/36

asym_at1_avg_rms vs Slug



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 1992.212+/-0.365 χ^2/NDF : 123963.4/19

Right Out: 2199.003+/-0.603 χ^2/NDF : 803297.2/18

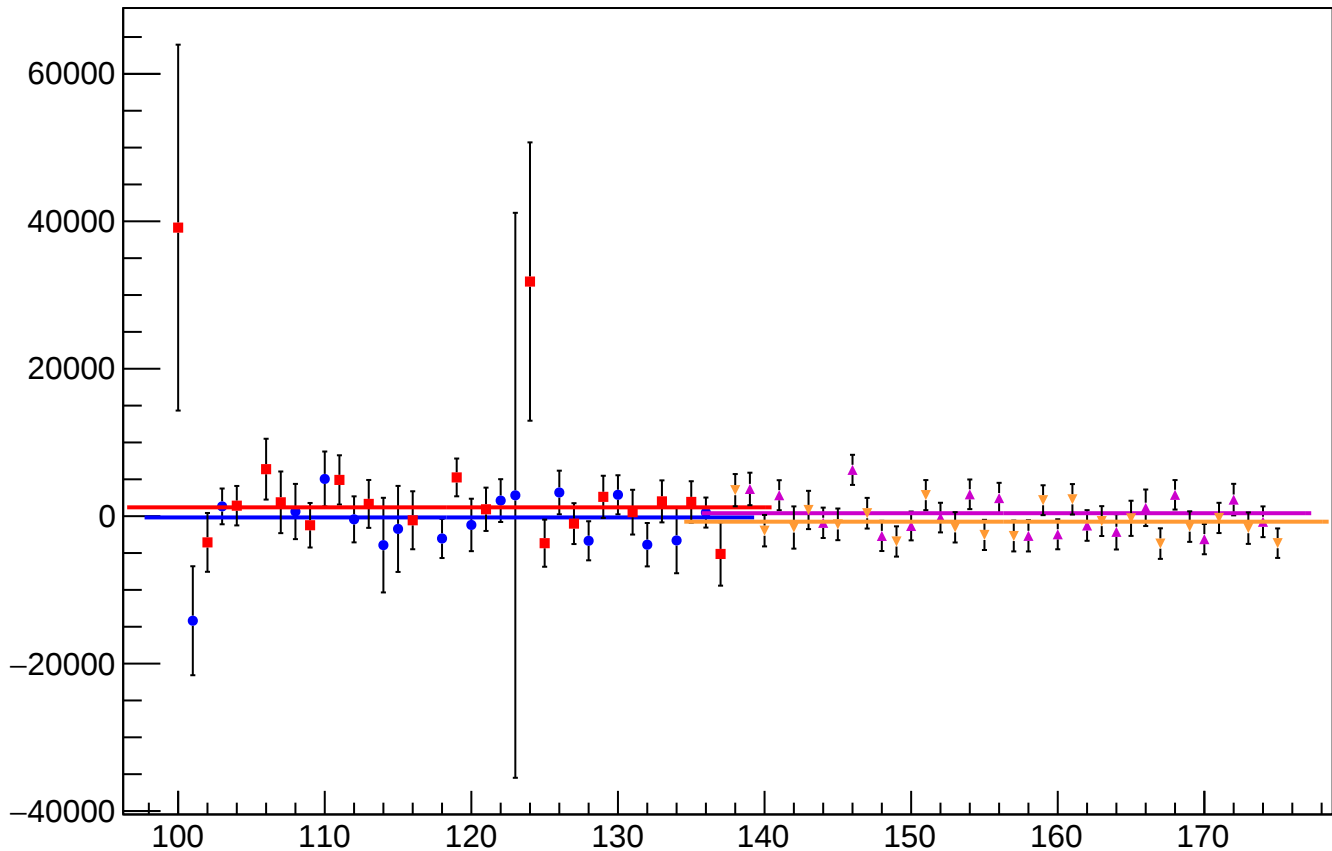
Left In: 1991.011+/-0.377 χ^2/NDF : 102257.4/17

+ sign 2037.193+/-0.313 χ^2/NDF : 891462.3/36

All: 2043.219+/-0.224 χ^2/NDF : 1883178.8/73

- sign 2049.519+/-0.320 χ^2/NDF : 990958.2/36

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 χ^2/NDF : 14.5/16

Left Out: -747.799 ± 476.851 χ^2/NDF : 20.3/19

Right Out: 1197.543 ± 764.254 χ^2/NDF : 18.2/18

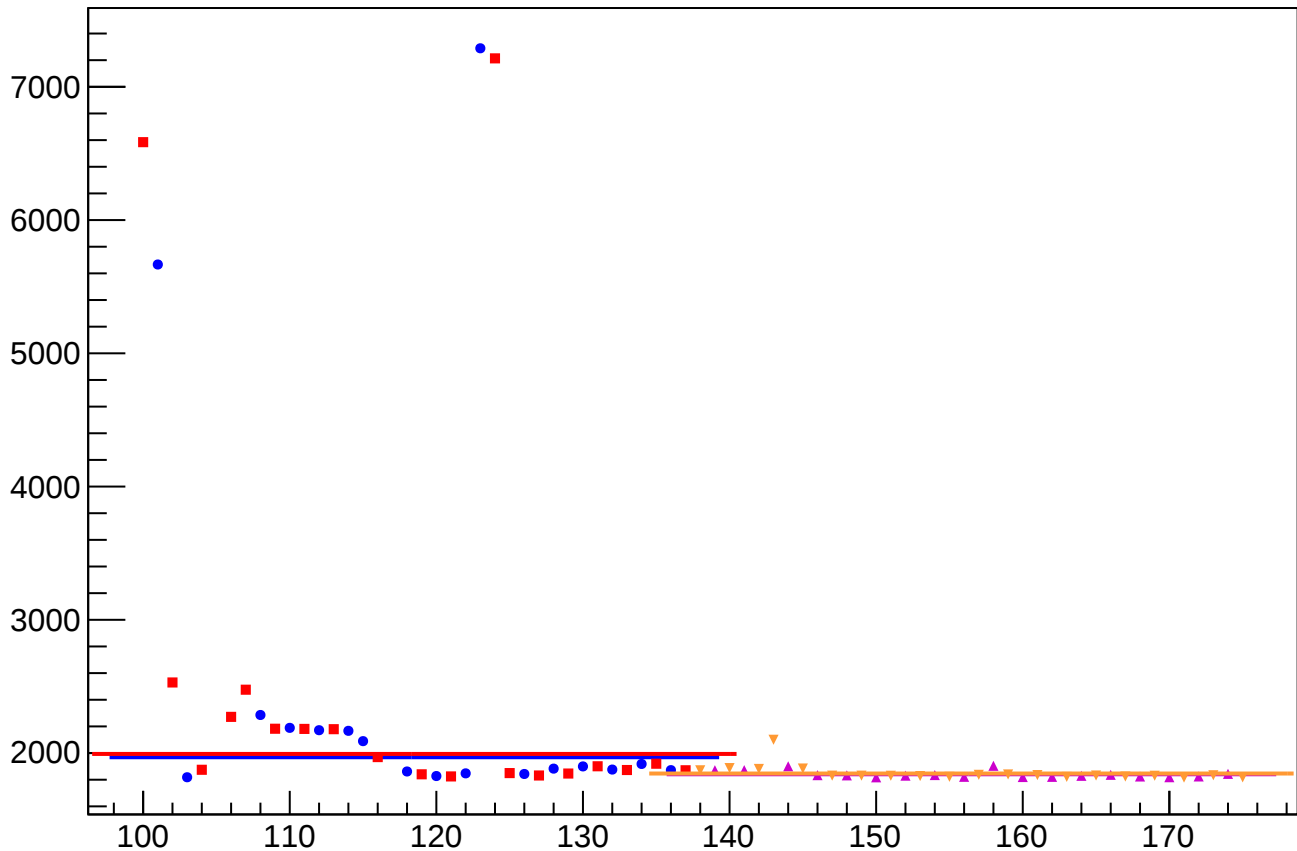
Left In: 402.287 ± 492.704 χ^2/NDF : 29.6/17

+ sign -591.394 ± 407.183 χ^2/NDF : 35.2/36

All: 11.844 ± 290.339 χ^2/NDF : 88.2/73

- sign 635.771 ± 414.107 χ^2/NDF : 48.5/36

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1846.430 $\pm$ 0.337 χ^2 /NDF: 23593.2/19

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

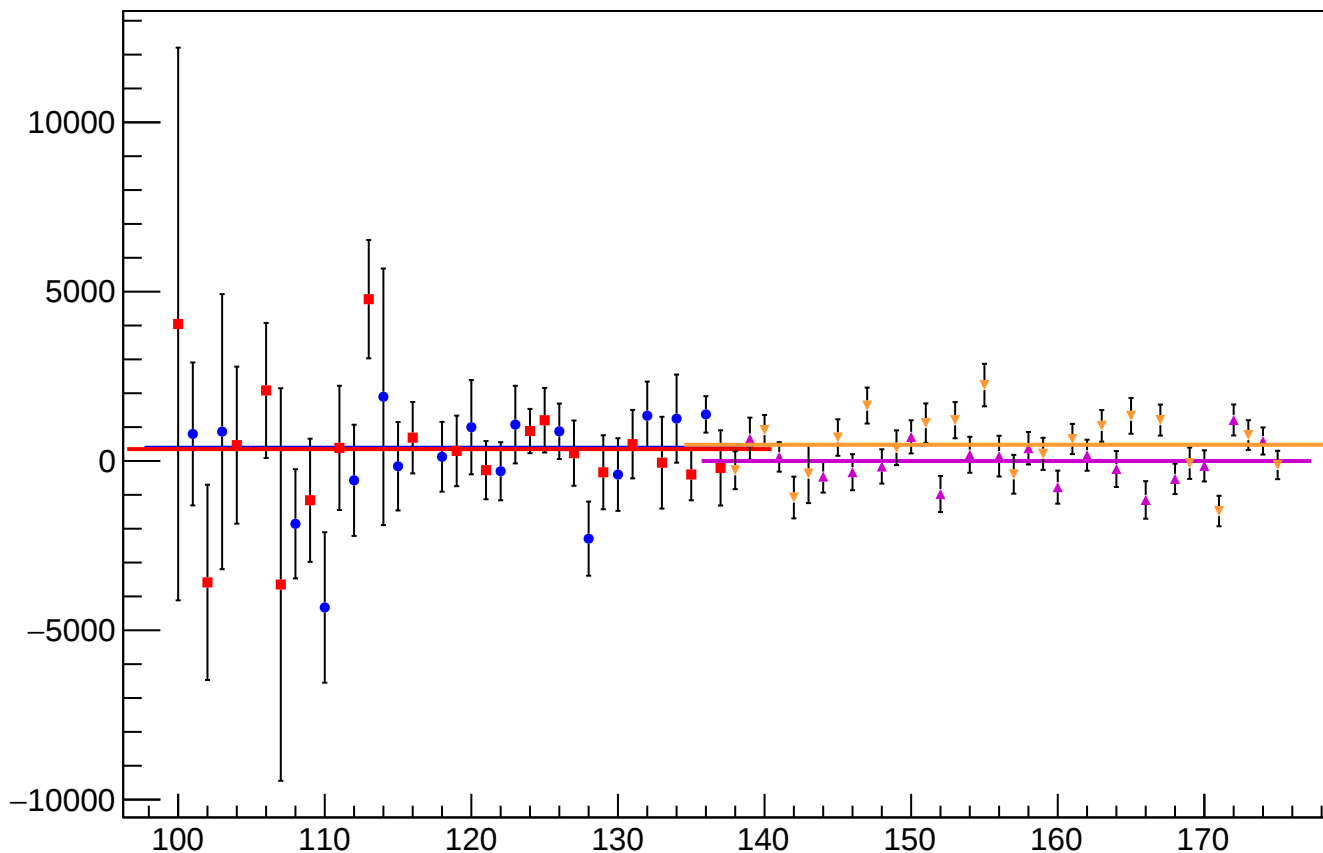
Left In: 1840.752 $\pm$ 0.348 χ^2 /NDF: 5804.7/17

+ sign 1879.529 $\pm$ 0.288 χ^2 /NDF: 662142.7/36

All: 1882.501 $\pm$ 0.205 χ^2 /NDF: 1080715.0/73

- sign 1885.575 $\pm$ 0.293 χ^2 /NDF: 418355.6/36

asym_at1_dd_correction_mean vs Slug



Right In: 390.923 $\pm$ 270.128 χ^2/NDF : 20.0/16

Left Out: 477.757 $\pm$ 113.256 χ^2/NDF : 58.2/19

Right Out: 350.642 $\pm$ 266.097 χ^2/NDF : 14.2/18

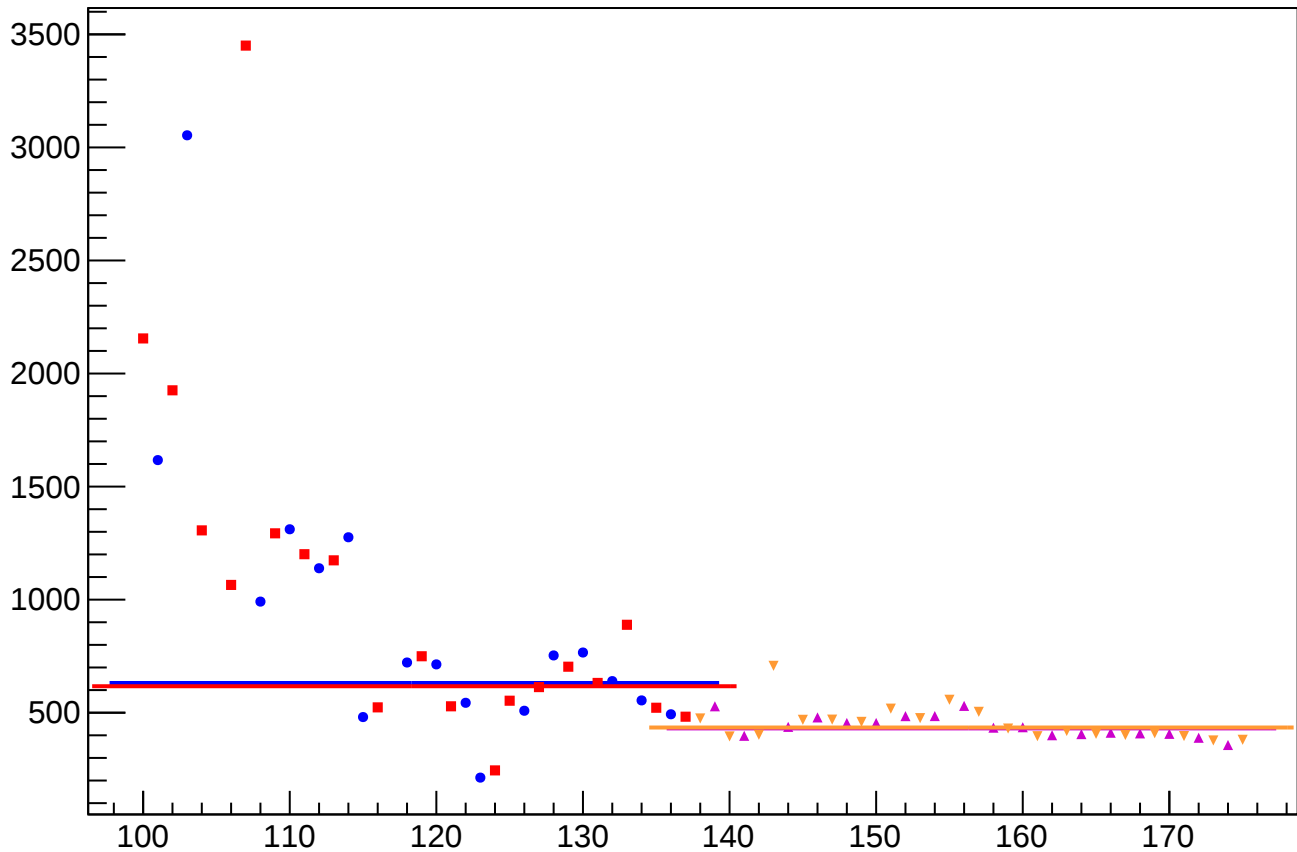
Left In: -1.552 $\pm$ 115.775 χ^2/NDF : 26.7/17

+ sign 464.775 $\pm$ 104.447 χ^2/NDF : 78.3/36

All: 262.981 $\pm$ 74.454 χ^2/NDF : 128.3/73

- sign 54.506 $\pm$ 106.162 χ^2/NDF : 42.4/36

asym_at1_dd_correction_rms vs Slug



Right In: 631.430 ± 0.191 $\chi^2/\text{NDF}: 2260692.7/16$

Left Out: 434.497 ± 0.080 $\chi^2/\text{NDF}: 529133.0/19$

Right Out: 617.035 ± 0.188 $\chi^2/\text{NDF}: 2802149.9/18$

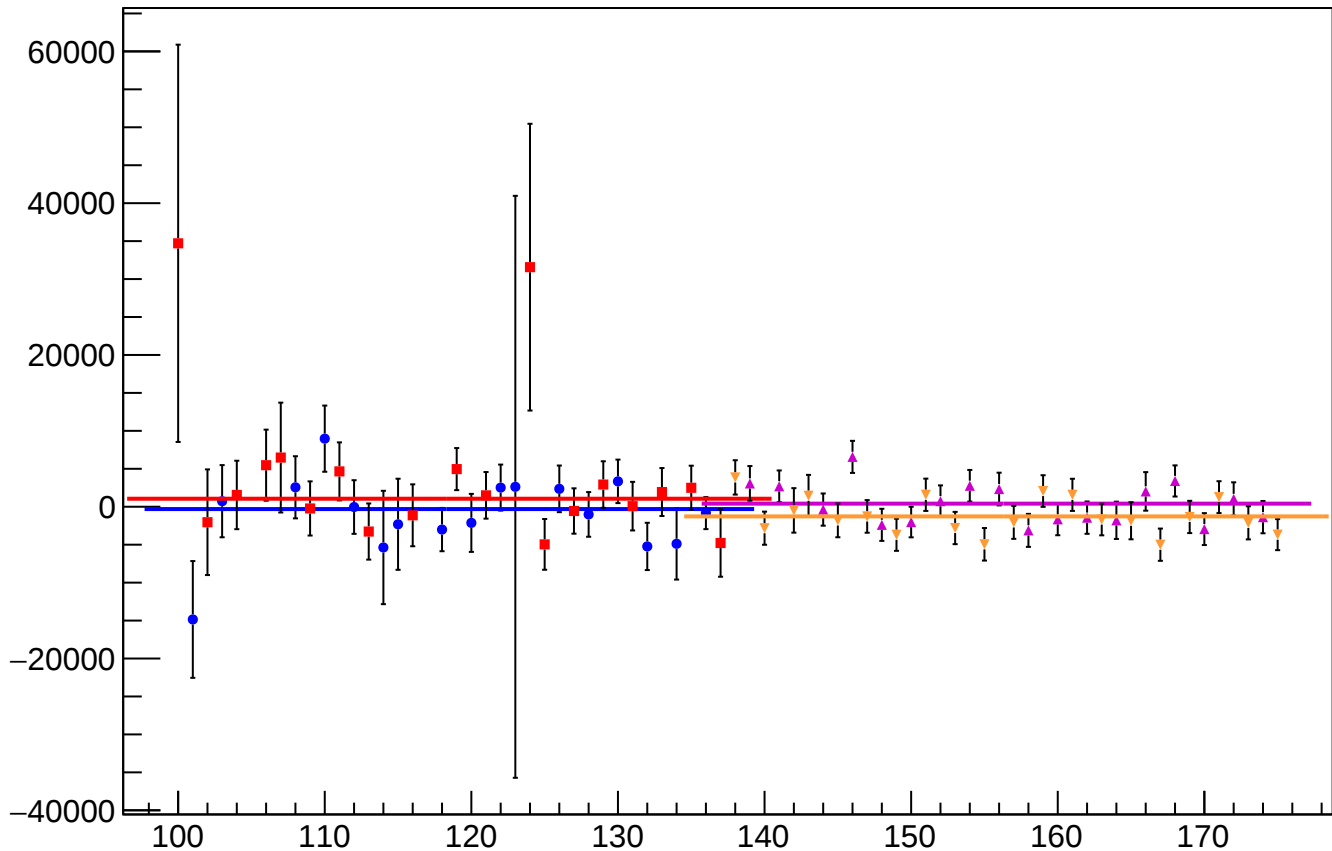
Left In: 430.561 ± 0.082 $\chi^2/\text{NDF}: 293773.1/17$

+ sign 463.939 ± 0.074 $\chi^2/\text{NDF}: 3693884.8/36$

All: 462.121 ± 0.053 $\chi^2/\text{NDF}: 7616888.5/73$

- sign 460.242 ± 0.075 $\chi^2/\text{NDF}: 3921770.9/36$

asym_at1_dd_mean vs Slug



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -1273.202 ± 491.553 χ^2/NDF : 24.0/19

Right Out: 1056.856 ± 867.445 χ^2/NDF : 16.6/18

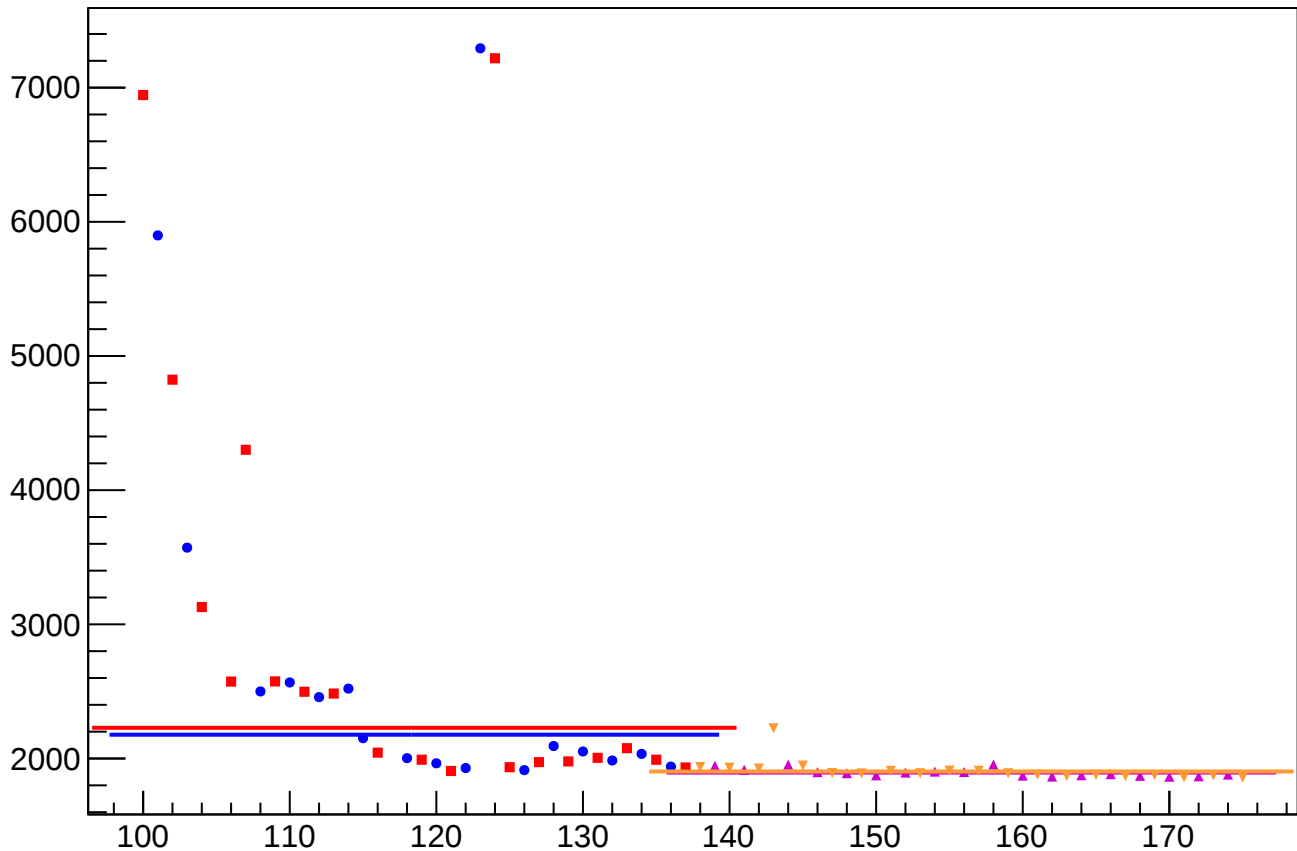
Left In: 408.665 ± 507.181 χ^2/NDF : 27.5/17

+ sign -1039.870 ± 428.196 χ^2/NDF : 42.1/36

All: -250.993 ± 306.131 χ^2/NDF : 93.6/73

- sign 573.800 ± 437.834 χ^2/NDF : 44.5/36

asym_at1_dd_rms vs Slug



Right In: 2177.446 $\pm$ 0.617 χ^2 /NDF: 802836.7/16

Left Out: 1903.241 $\pm$ 0.348 χ^2 /NDF:33428.2/19

Right Out: 2229.014 $\pm$ 0.613 χ^2 /NDF: 895809.1/18

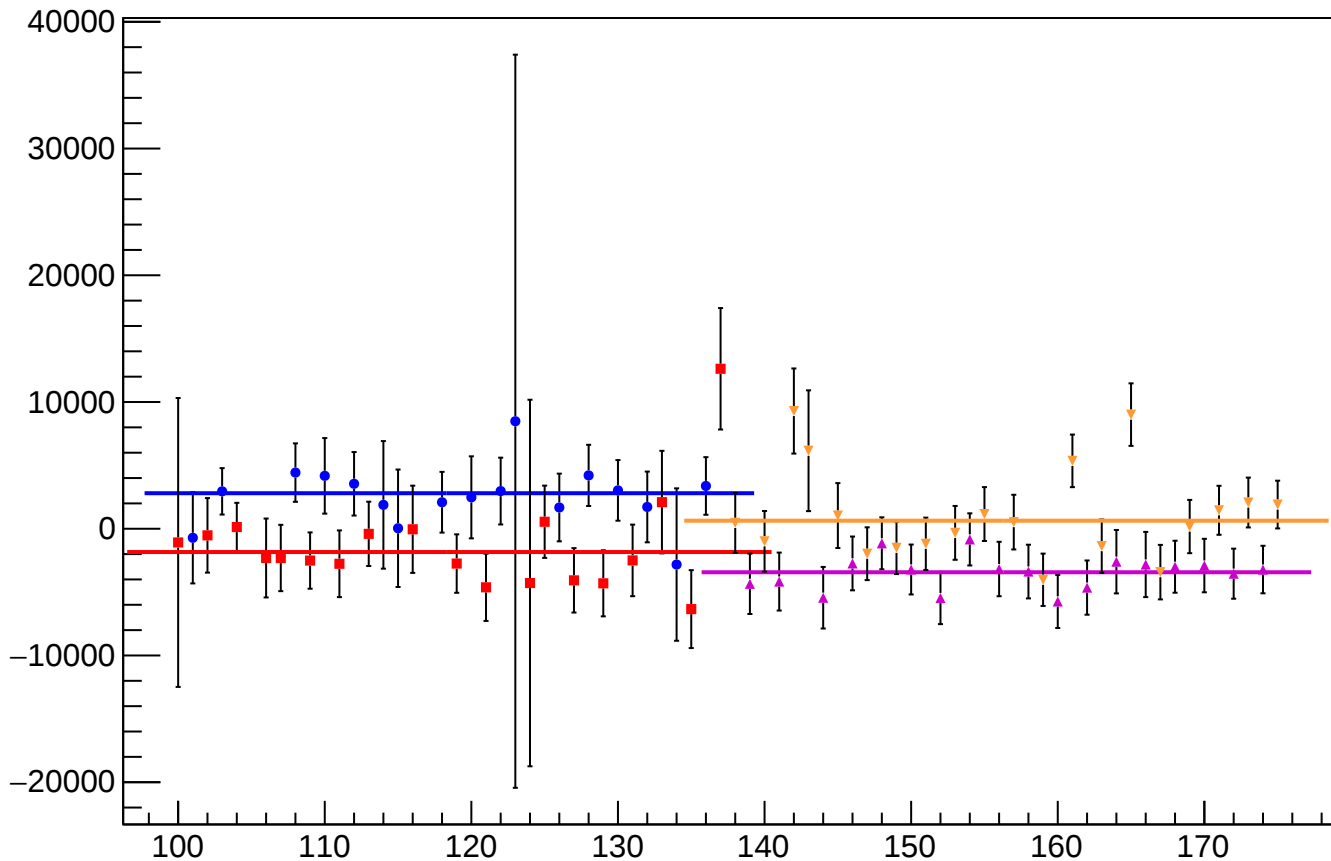
Left In: 1894.998 $\pm$ 0.359 χ^2 /NDF:6445.3/17

+ sign 1969.372 $\pm$ 0.303 χ^2 /NDF: 986361.3/36

All: 1974.613 $\pm$ 0.216 χ^2 /NDF: 2110219.9/73

- sign 1980.093 $\pm$ 0.310 χ^2 /NDF: 1123245.7/36

reg_asym_at2_avg_mean vs Slug



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

Left Out: 635.359+/-493.701 χ^2/NDF : 39.6/19

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

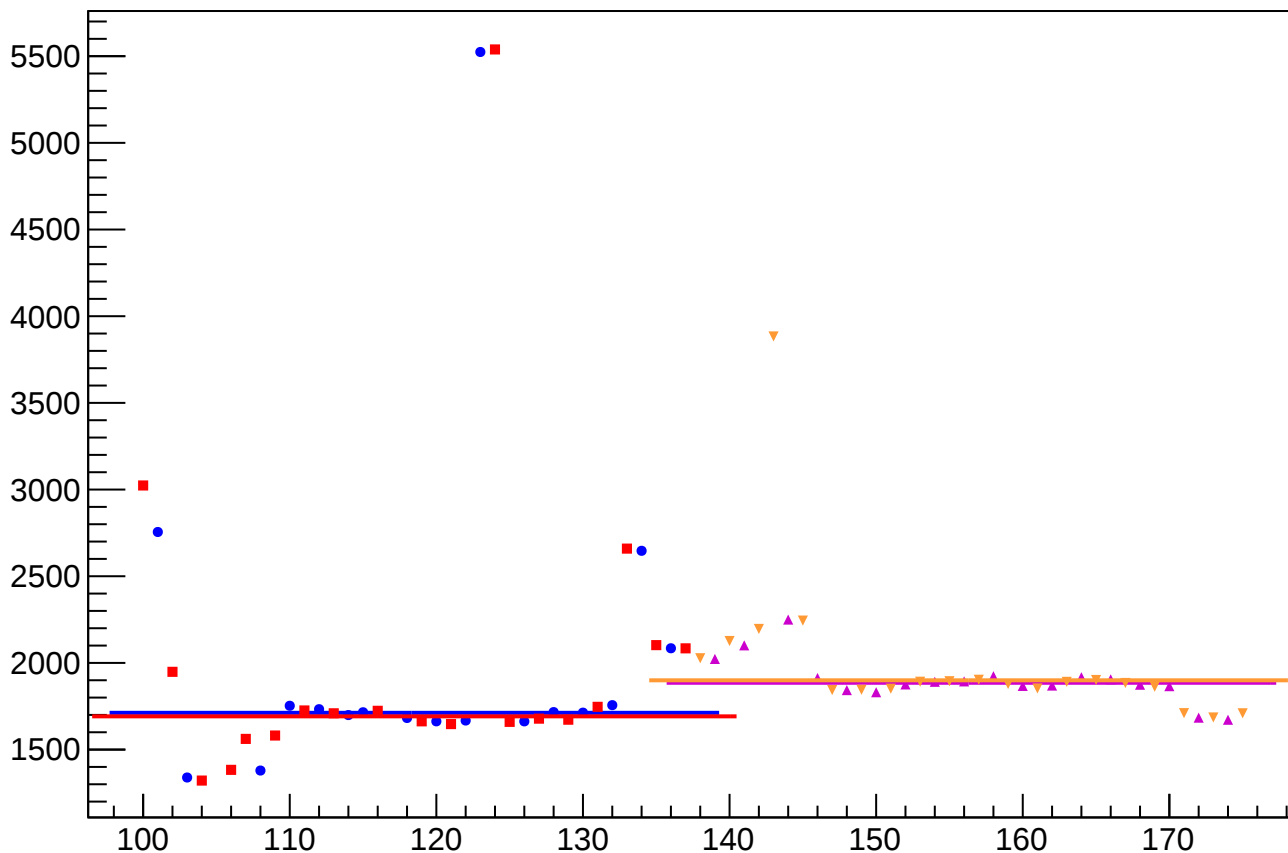
Left In: -3432.546+/-504.617 χ^2/NDF : 6.7/17

+ sign 1385.982+/-399.215 χ^2/NDF : 50.2/36

All: -723.179+/-282.499 χ^2/NDF : 134.6/73

- sign -2838.678+/-399.814 χ^2/NDF : 28.5/36

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 1899.652+/-0.349 χ^2/NDF : 491460.6/19

Right Out: 1691.747+/-0.463 χ^2/NDF : 454922.1/18

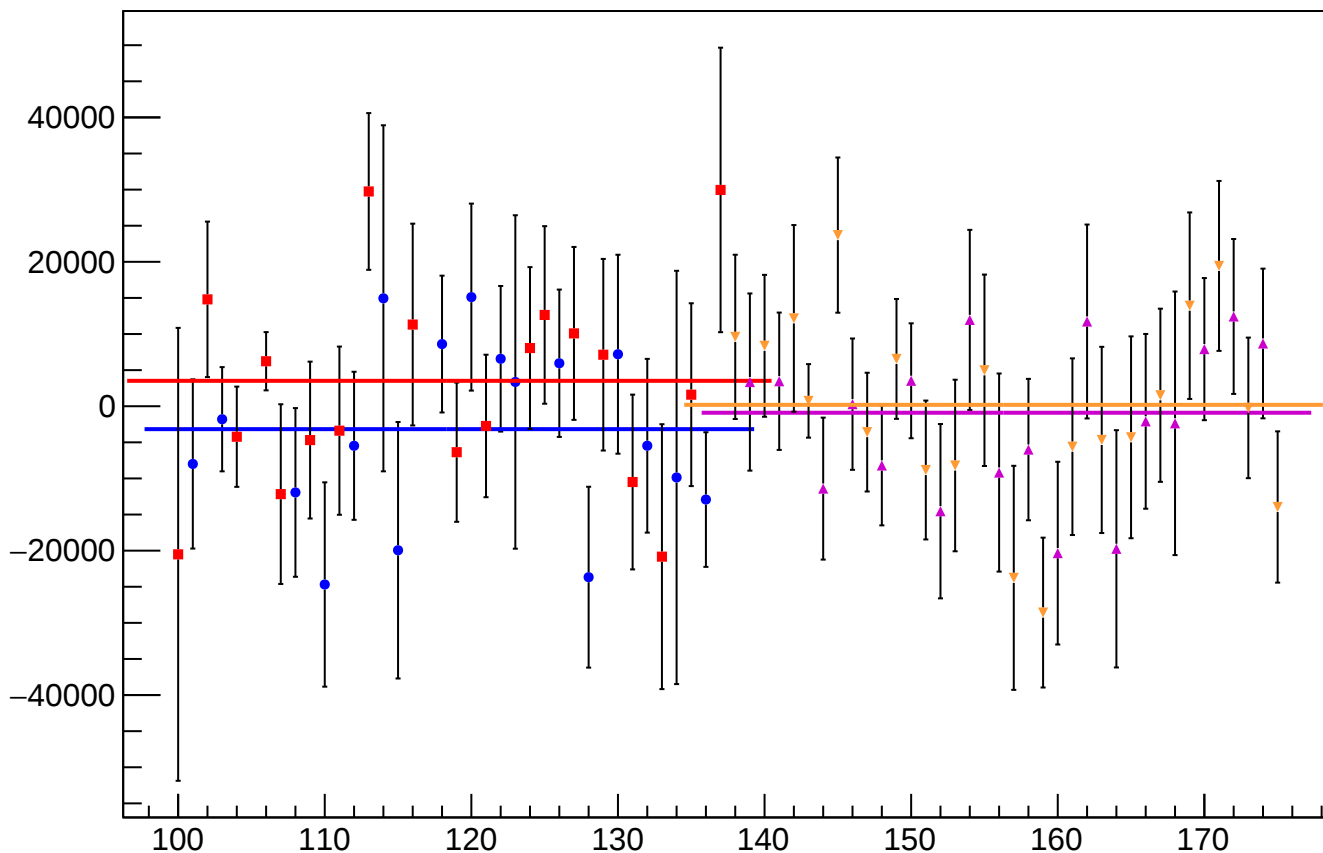
Left In: 1885.430+/-0.357 χ^2/NDF : 120580.7/17

+ sign 1834.751+/-0.282 χ^2/NDF : 1023788.7/36

All: 1824.058+/-0.200 χ^2/NDF : 1711844.1/73

- sign 1813.332+/-0.283 χ^2/NDF : 685181.0/36

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 ± 2851.982 $\chi^2/\text{NDF}: 14.4/16$

Left Out: 192.340 ± 2262.830 $\chi^2/\text{NDF}: 25.5/19$

Right Out: 3520.105 ± 2266.532 $\chi^2/\text{NDF}: 19.5/18$

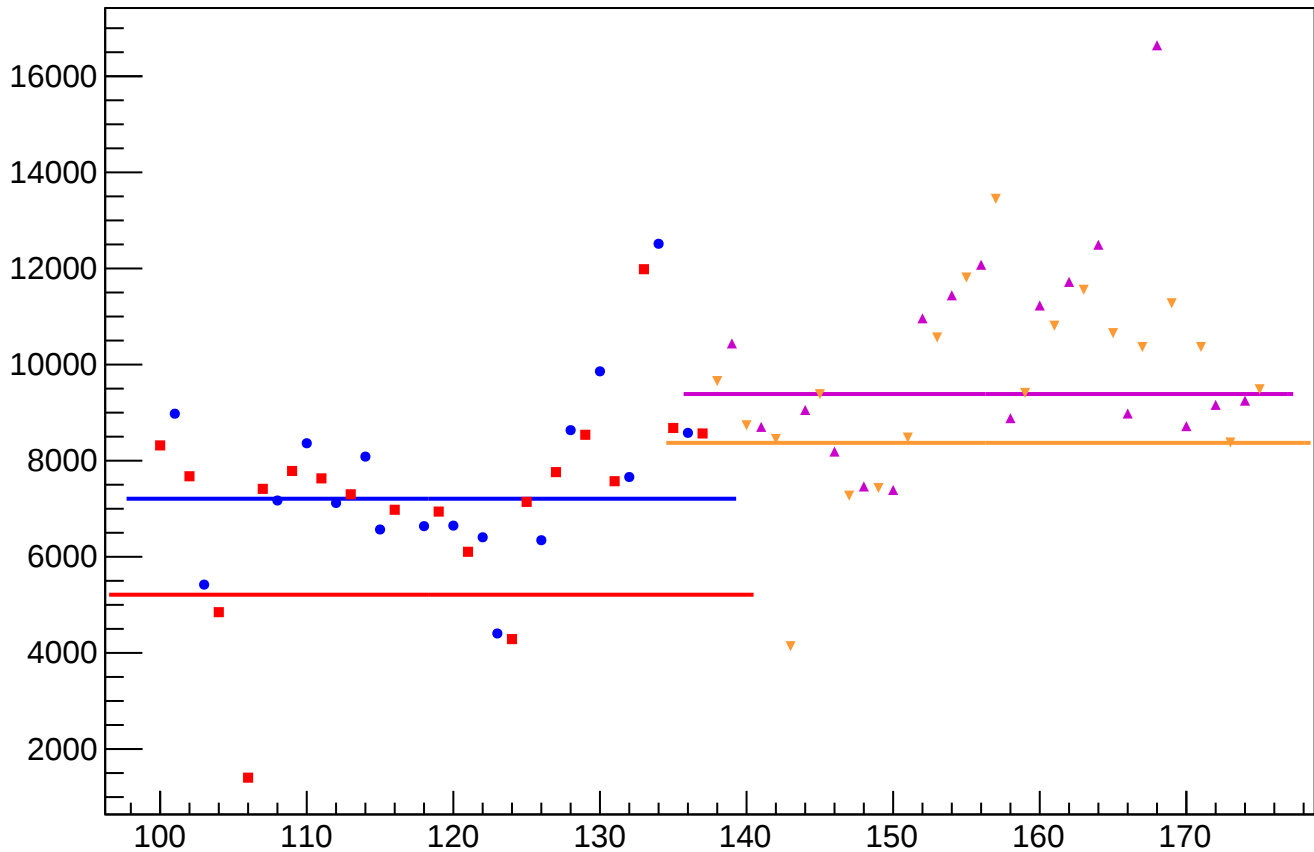
Left In: -900.450 ± 2555.240 $\chi^2/\text{NDF}: 13.3/17$

+ sign -1107.862 ± 1772.645 $\chi^2/\text{NDF}: 40.8/36$

All: 292.385 ± 1225.305 $\chi^2/\text{NDF}: 76.5/73$

- sign 1573.567 ± 1695.605 $\chi^2/\text{NDF}: 34.5/36$

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 8371.250+/-1.600 χ^2/NDF : 2417990.6/19

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

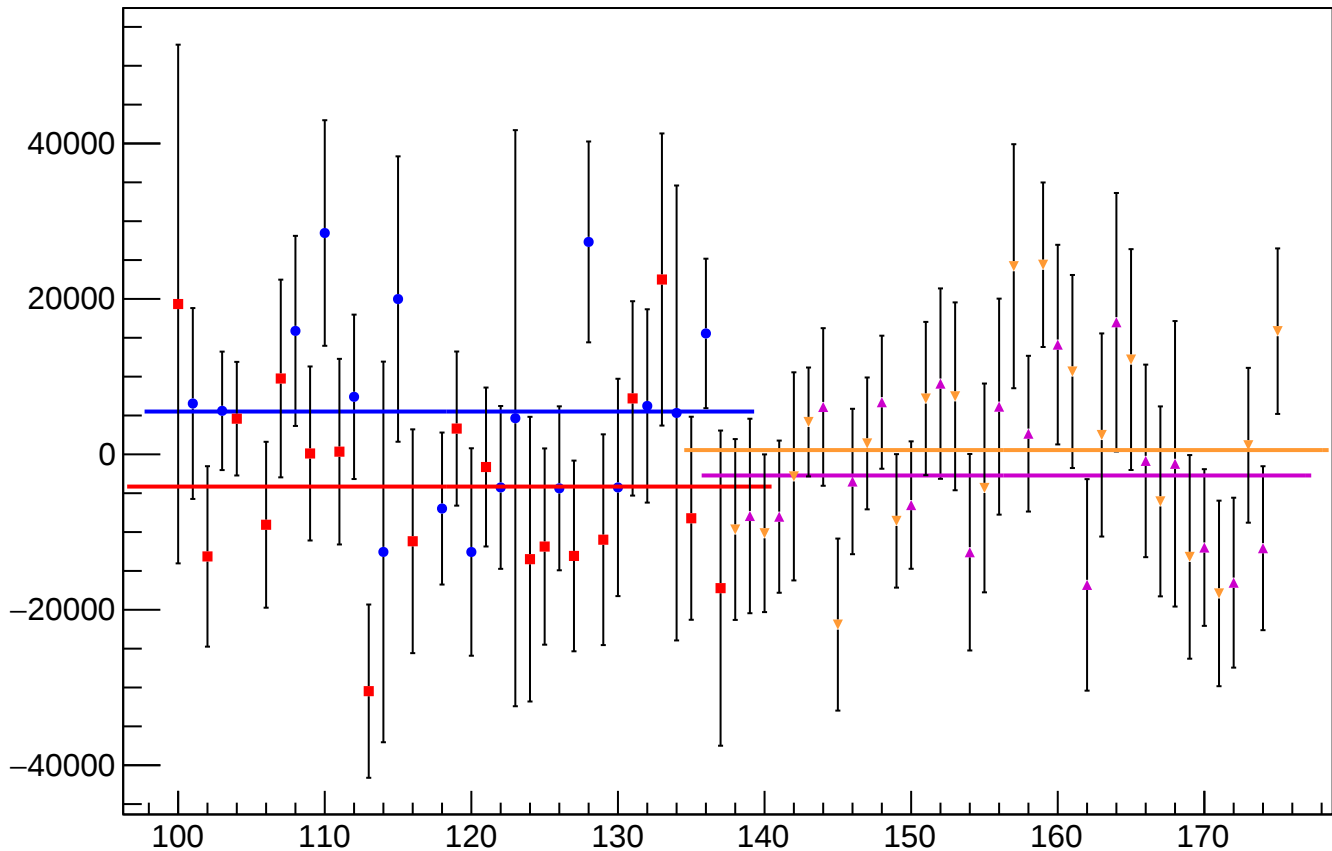
Left In: 9387.079+/-1.807 χ^2/NDF : 969350.2/17

+ sign 7922.079+/-1.253 χ^2/NDF : 3091277.7/36

All: 7466.673+/-0.866 χ^2/NDF : 10499727.5/7

- sign 7049.990+/-1.199 χ^2/NDF : 7155667.8/36

asym_at2_avg_mean vs Slug



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: 549.573 $\pm$ 2425.067 χ^2 /NDF: 22.9/19

Right Out: -4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

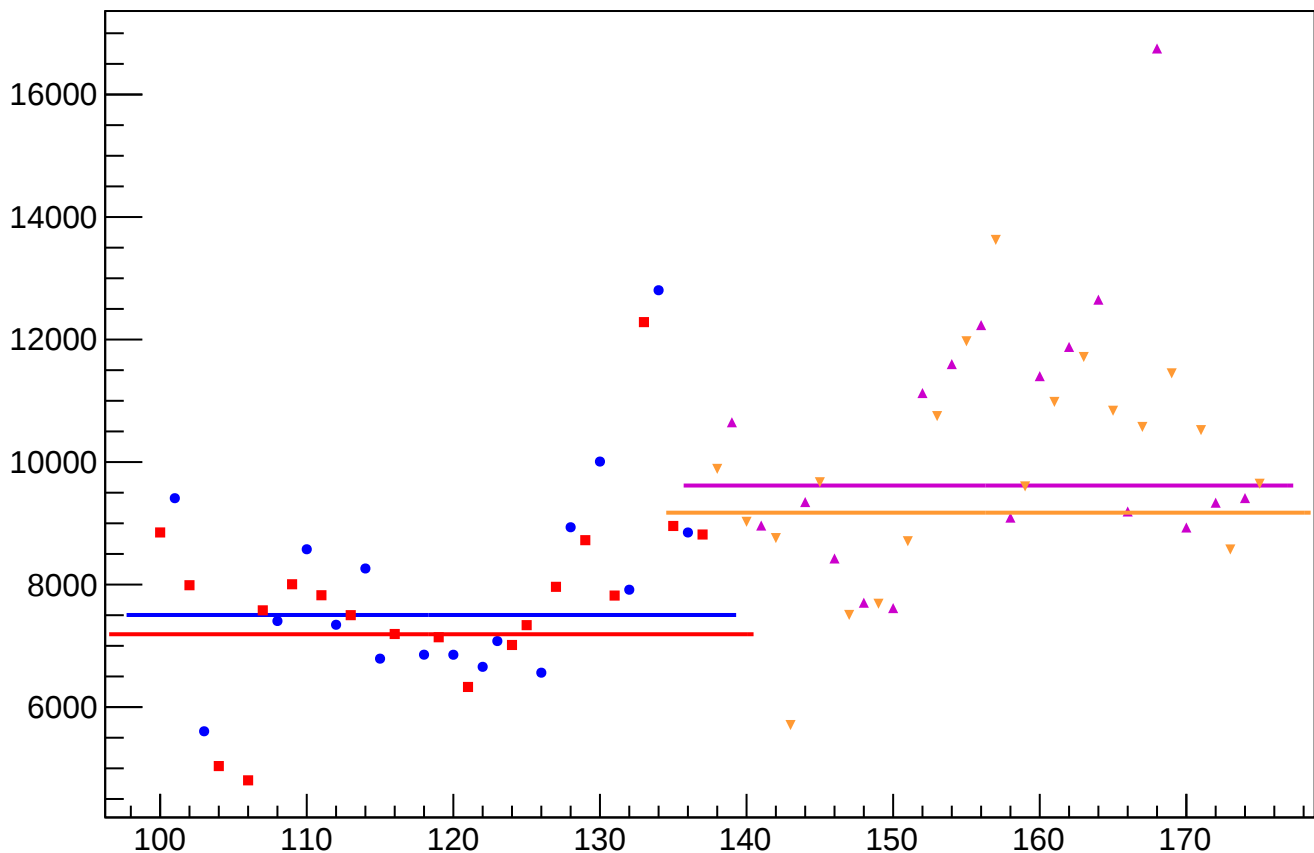
Left In: -2718.372 $\pm$ 2614.359 χ^2 /NDF: 12.3/17

+ sign 2532.745 $\pm$ 1878.688 χ^2 /NDF: 38.7/36

All: -381.077 $\pm$ 1338.597 χ^2 /NDF: 71.5/73

- sign -3385.815 $\pm$ 1907.772 χ^2 /NDF: 27.9/36

asym_at2_avg_rms vs Slug



Right In: 7503.667+/-2.101 χ^2/NDF : 427313.5/16

Left Out: 9173.785+/-1.715 χ^2/NDF : 1199018.6/19

Right Out: 7189.231+/-1.973 χ^2/NDF : 557703.4/18

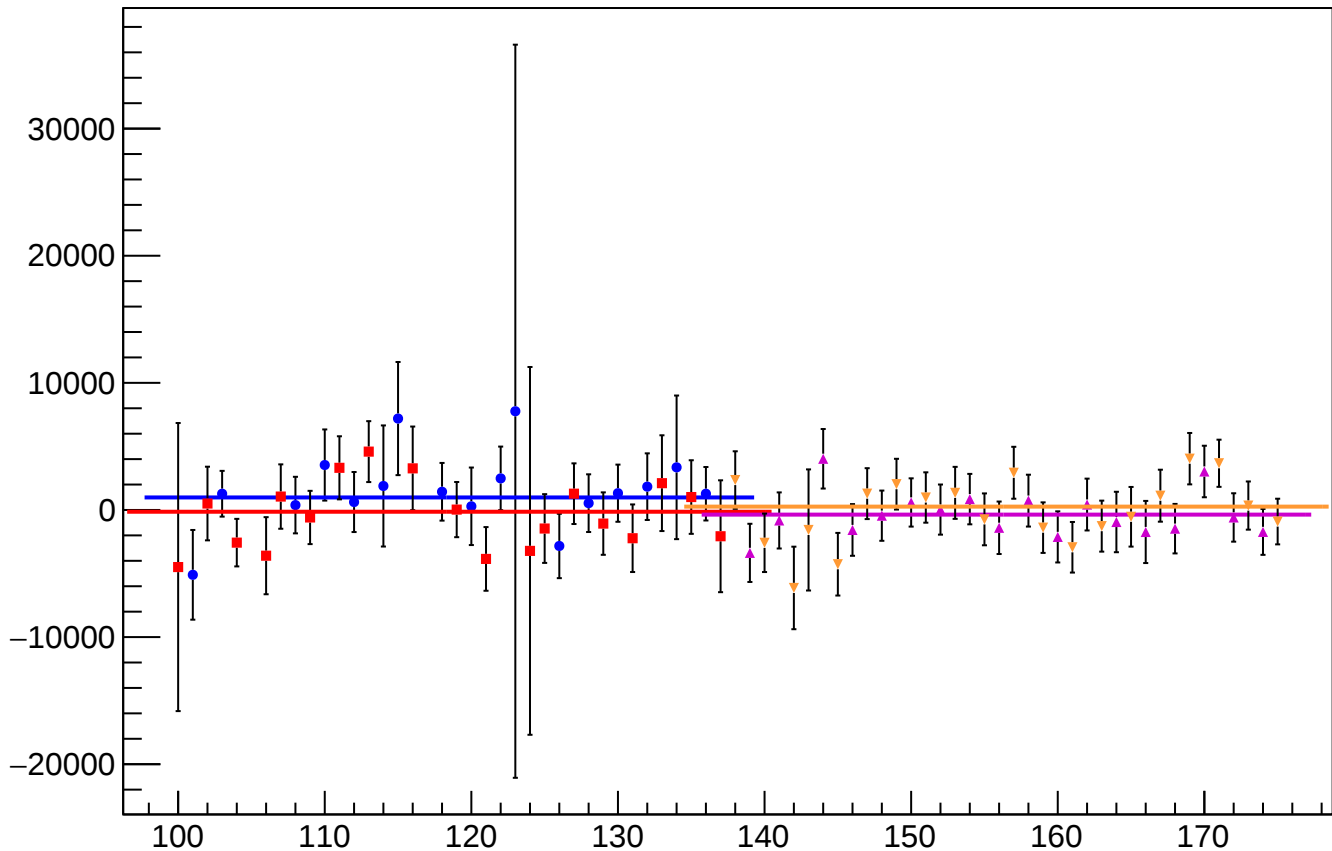
Left In: 9616.864+/-1.849 χ^2/NDF : 907298.0/17

+ sign 8505.972+/-1.328 χ^2/NDF : 2005633.4/36

All: 8494.071+/-0.946 χ^2/NDF : 4277110.7/73

- sign 8481.799+/-1.349 χ^2/NDF : 2271314.2/36

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 ± 644.630 χ^2/NDF : 9.1/16

Left Out: 263.340 ± 473.442 χ^2/NDF : 24.6/19

Right Out: -138.627 ± 623.555 χ^2/NDF : 14.7/18

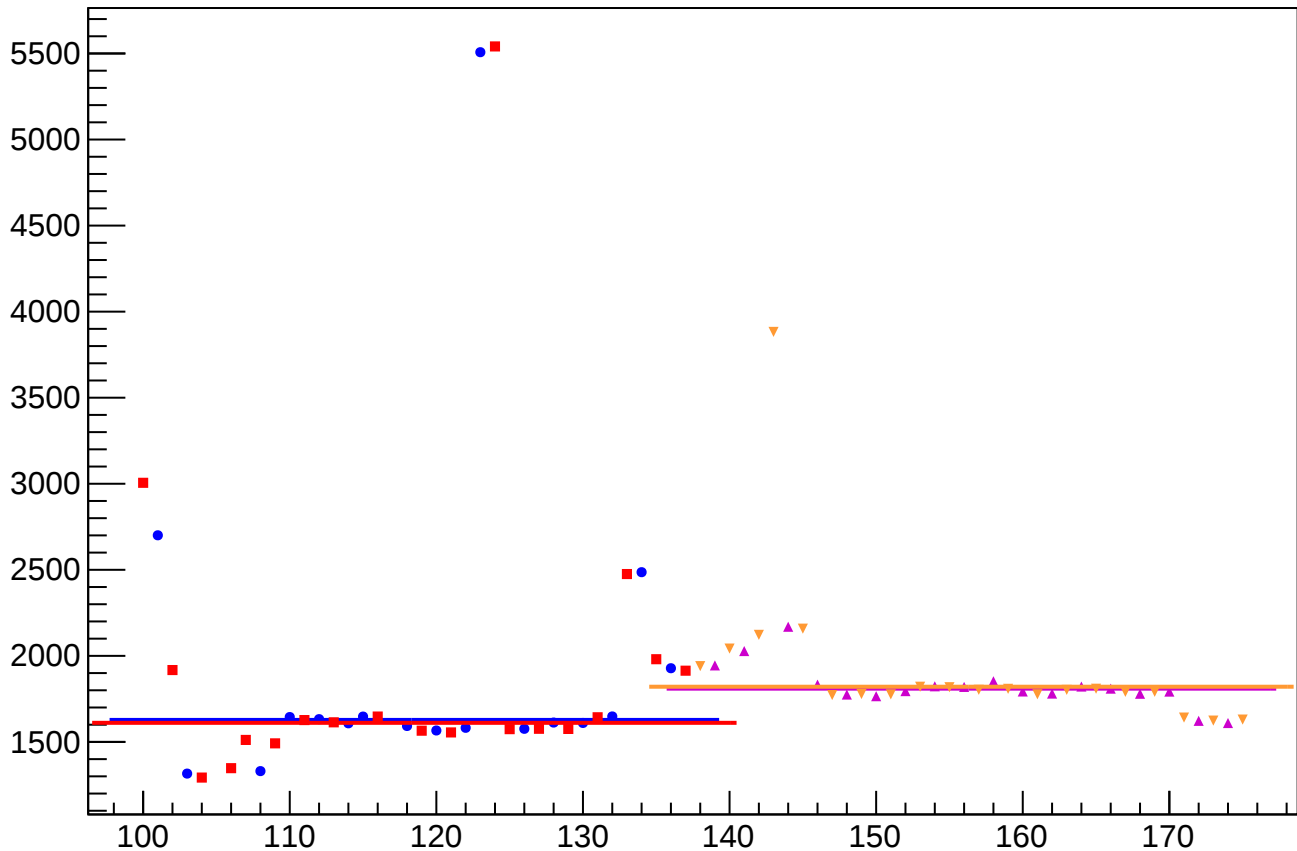
Left In: -365.935 ± 484.317 χ^2/NDF : 11.8/17

+ sign 516.365 ± 381.584 χ^2/NDF : 34.5/36

All: 118.931 ± 270.143 χ^2/NDF : 63.3/73

- sign -280.405 ± 382.496 χ^2/NDF : 26.6/36

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1820.718 $\pm$ 0.335 χ^2 /NDF: 521606.1/19

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

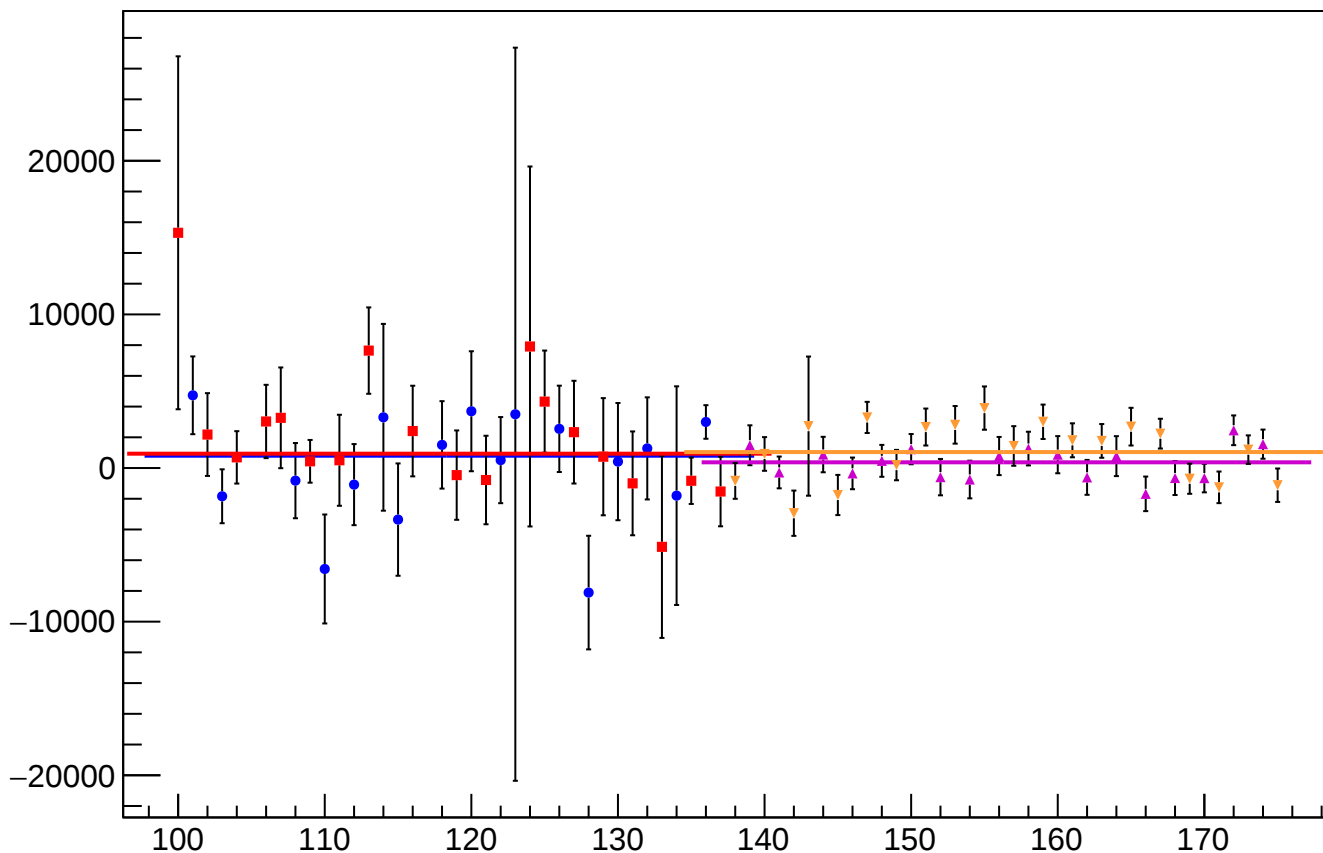
Left In: 1809.494 $\pm$ 0.342 χ^2 /NDF: 121804.6/17

+ sign 1753.132 $\pm$ 0.270 χ^2 /NDF: 1045028.3/36

All: 1743.981 $\pm$ 0.191 χ^2 /NDF: 1729572.3/73

- sign 1734.786 $\pm$ 0.270 χ^2 /NDF: 682237.9/36

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 1040.028 $\pm$ 255.800 χ^2 /NDF:47.9/19

Right Out: 933.645 $\pm$ 589.727 χ^2 /NDF: 15.3/18

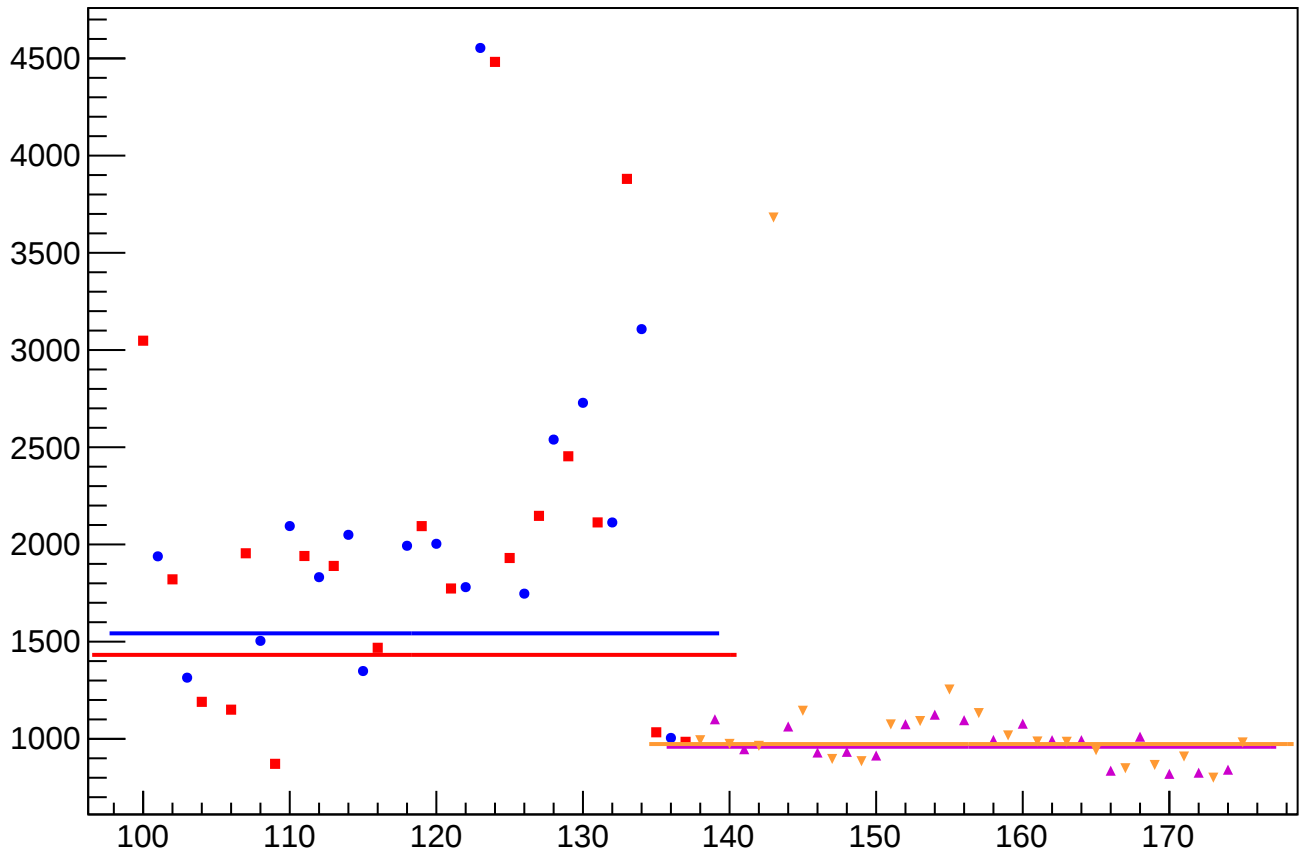
Left In: 372.110 $\pm$ 257.817 χ^2 /NDF:17.5/17

+ sign 1006.641 $\pm$ 237.097 χ^2 /NDF: 70.4/36

All: 733.428 $\pm$ 167.345 χ^2 /NDF: 106.6/73

- sign 462.214 $\pm$ 236.229 χ^2 /NDF: 33.5/36

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705 $\pm$ 0.447 χ^2 /NDF: 1287946.3/16

Left Out: 973.328 $\pm$ 0.181 χ^2 /NDF: 1059055.9/19

Right Out: 1432.013 $\pm$ 0.417 χ^2 /NDF: 1823809.4/18

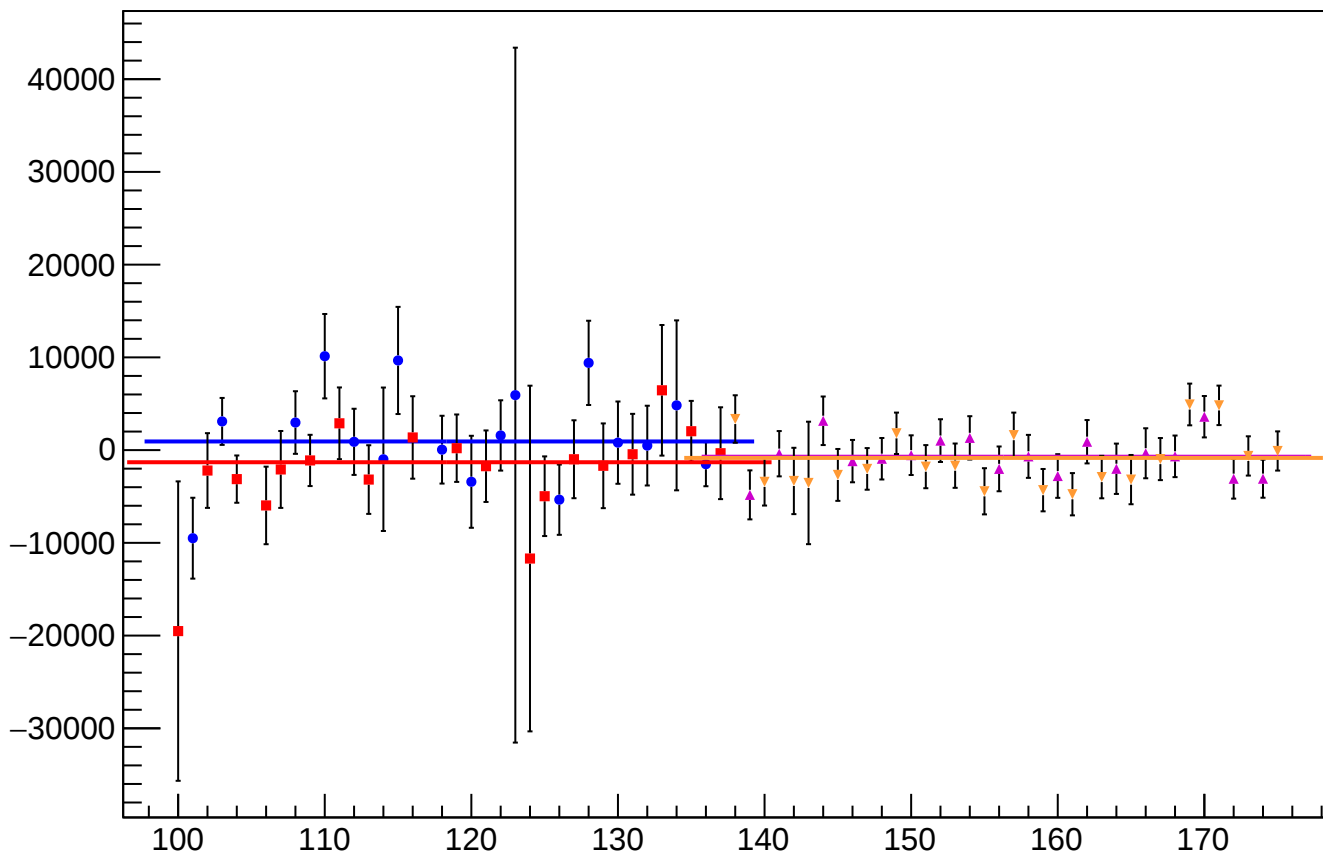
Left In: 959.371 $\pm$ 0.182 χ^2 /NDF: 294059.7/17

+ sign 1053.544 $\pm$ 0.168 χ^2 /NDF: 3743027.4/36

All: 1044.344 $\pm$ 0.118 χ^2 /NDF: 6945434.7/73

- sign 1035.211 $\pm$ 0.167 χ^2 /NDF: 3196406.2/36

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -840.847 ± 542.291 χ^2/NDF : 30.5/19

Right Out: -1307.802 ± 925.415 χ^2/NDF : 8.5/18

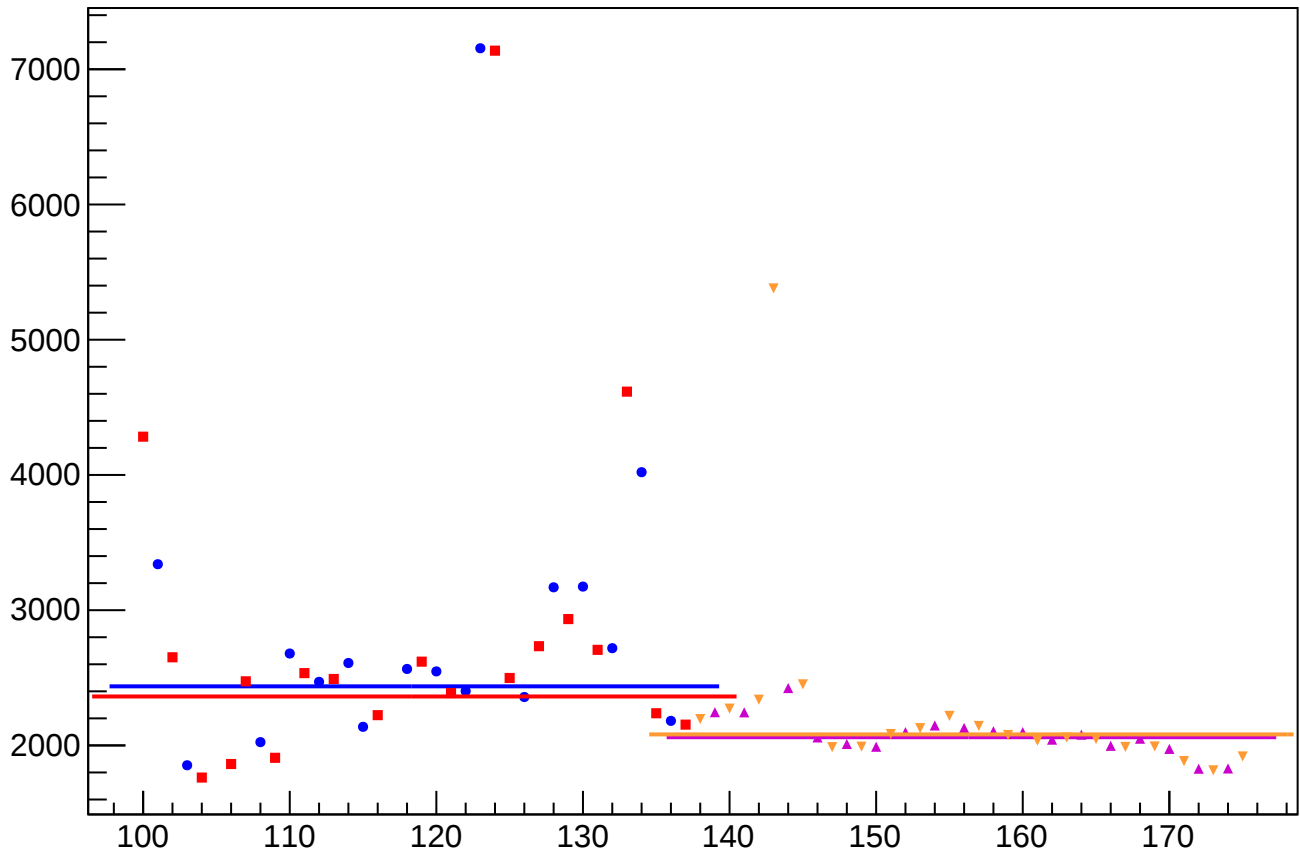
Left In: -711.225 ± 551.520 χ^2/NDF : 14.1/17

+ sign -417.124 ± 473.101 χ^2/NDF : 54.7/36

All: -642.037 ± 334.767 χ^2/NDF : 78.0/73

- sign -867.582 ± 473.764 χ^2/NDF : 22.9/36

asym_at2_dd_rms vs Slug



Right In: 2436.855 $\pm$ 0.684 χ^2 /NDF: 469030.2/16

Left Out: 2081.416 $\pm$ 0.383 χ^2 /NDF: 642708.3/19

Right Out: 2361.880 $\pm$ 0.654 χ^2 /NDF: 655847.5/18

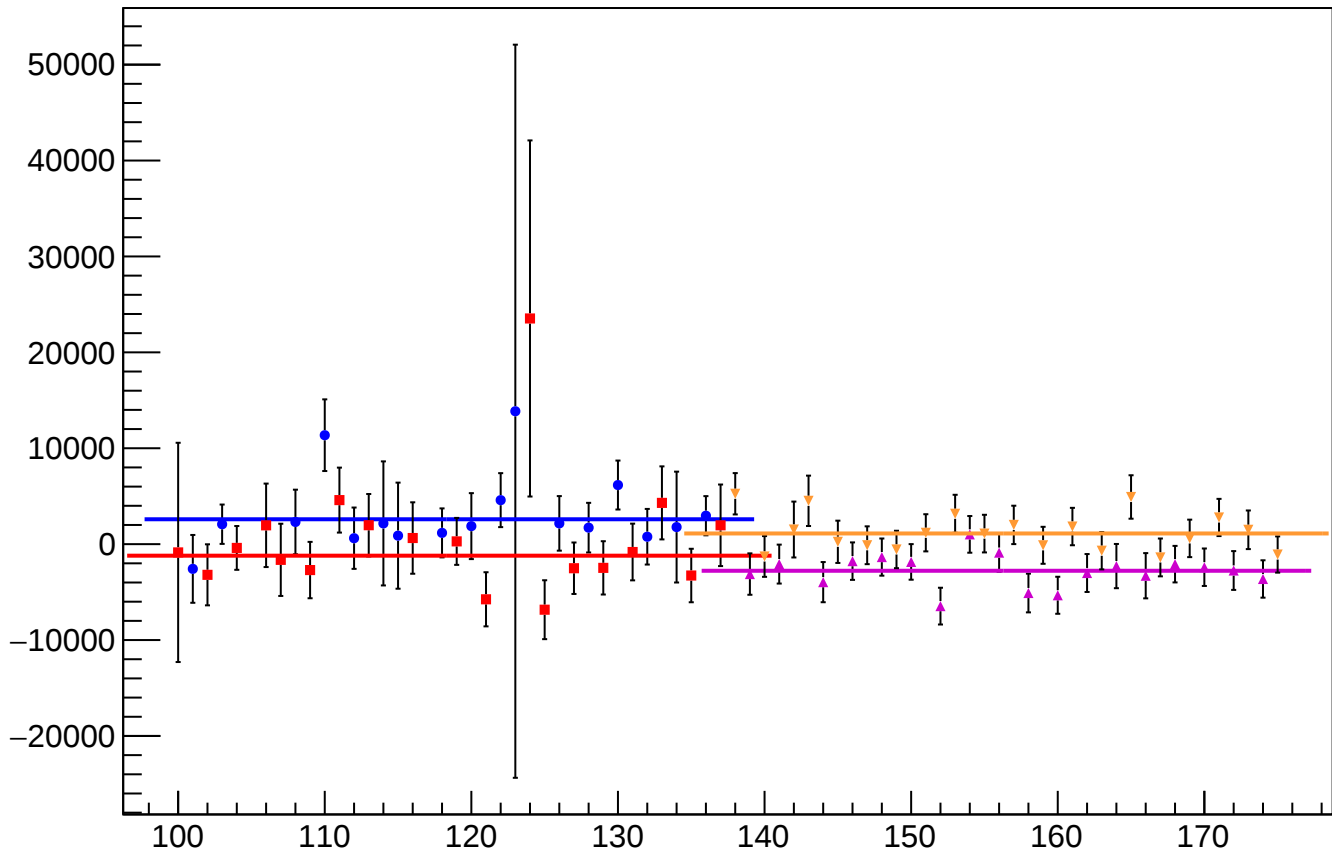
Left In: 2060.668 $\pm$ 0.390 χ^2 /NDF: 122370.1/17

+ sign 2166.330 $\pm$ 0.335 χ^2 /NDF: 1316999.8/36

All: 2152.990 $\pm$ 0.237 χ^2 /NDF: 2254755.0/73

- sign 2139.613 $\pm$ 0.335 χ^2 /NDF: 934570.8/36

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1114.024 $\pm$ 458.417 χ^2 /NDF: 17.2/19

Right Out: -1202.548 $\pm$ 739.618 χ^2 /NDF: 17.2/18

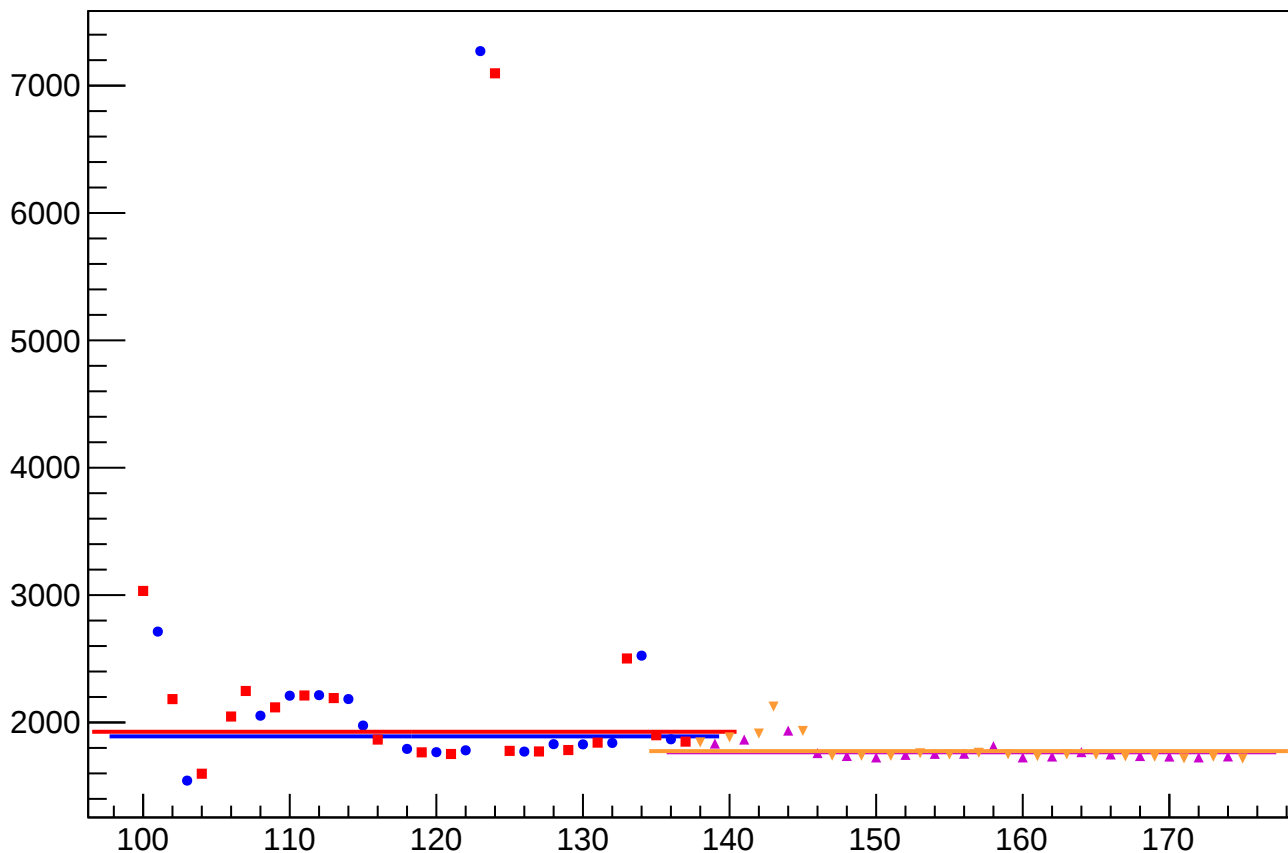
Left In: -2775.623 $\pm$ 472.235 χ^2 /NDF: 13.6/17

+ sign 1522.259 $\pm$ 390.136 χ^2 /NDF: 31.8/36

All: -360.450 $\pm$ 278.615 χ^2 /NDF: 113.3/73

- sign -2320.055 $\pm$ 398.024 χ^2 /NDF: 34.0/36

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1774.920+/-0.324 χ^2/NDF : 68430.7/19

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

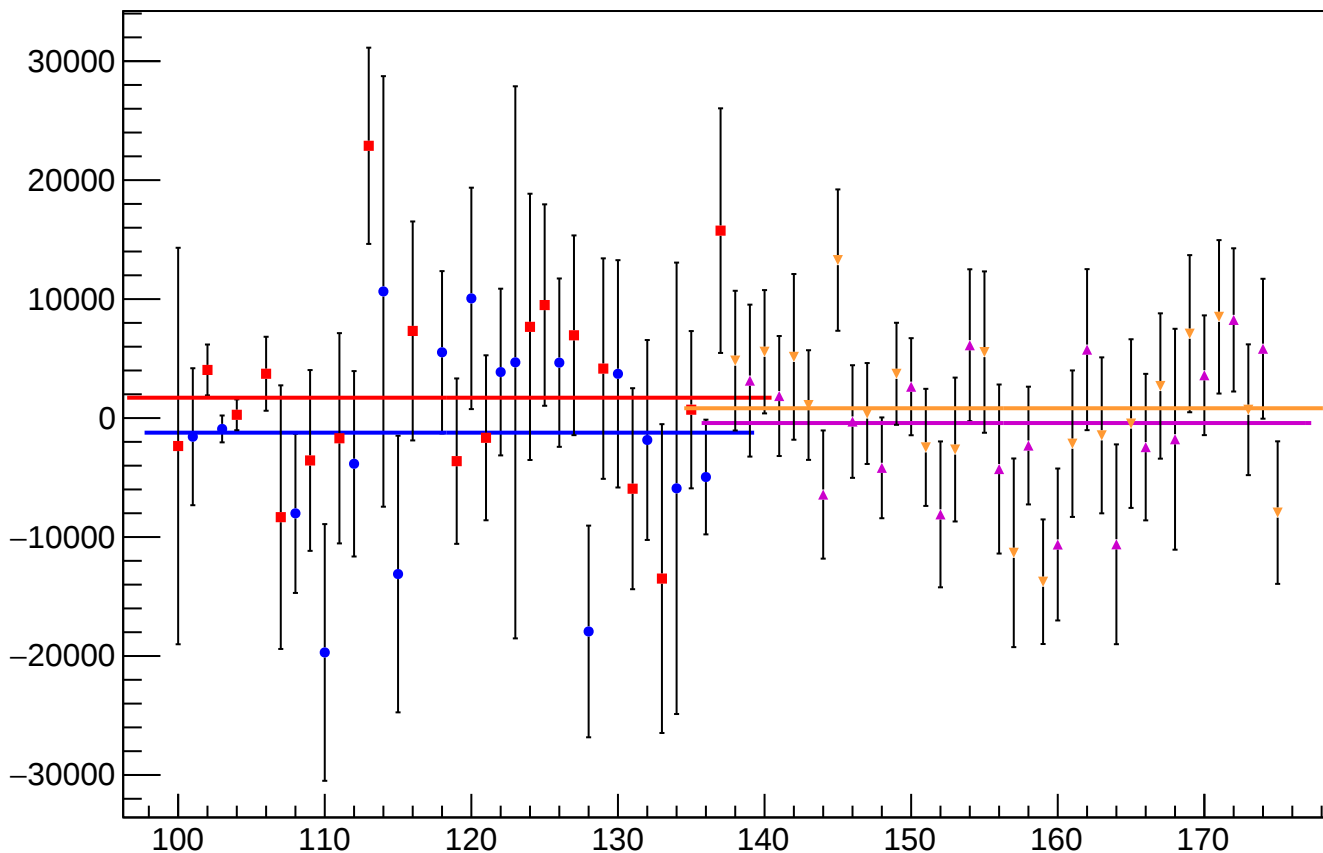
Left In: 1765.699+/-0.334 χ^2/NDF : 26901.0/17

+ sign 1806.848+/-0.276 χ^2/NDF : 392563.6/36

All: 1809.619+/-0.197 χ^2/NDF : 849608.9/73

- sign 1812.502+/-0.281 χ^2/NDF : 456839.4/36

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 825.843 $\pm$ 1270.750 χ^2 /NDF:22.9/19

Right Out: 1711.747 $\pm$ 941.580 χ^2 /NDF: 17.8/18

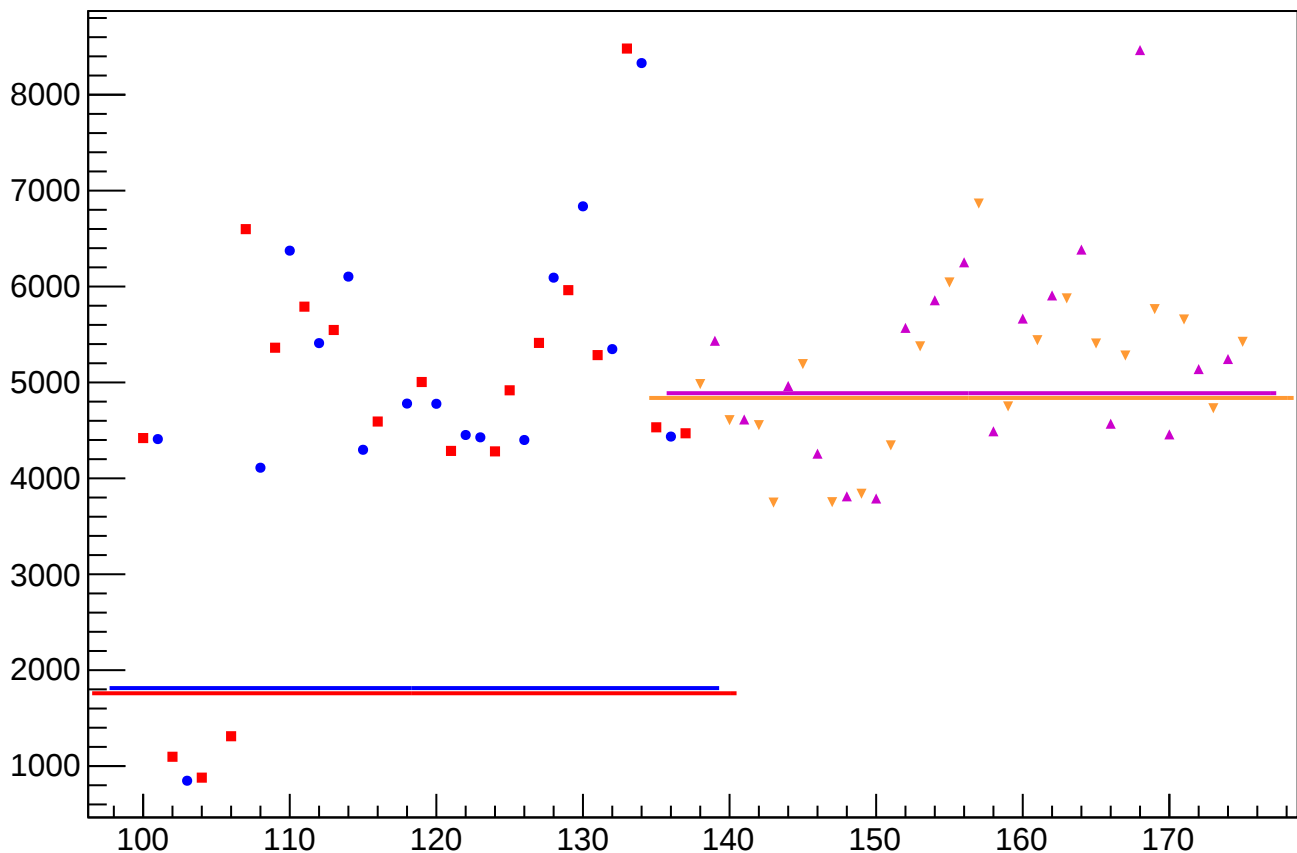
Left In: -417.010 $\pm$ 1330.394 χ^2 /NDF:15.0/17

+ sign -456.853 $\pm$ 778.313 χ^2 /NDF: 38.3/36

All: 281.415 $\pm$ 546.871 χ^2 /NDF: 74.6/73

- sign 1001.307 $\pm$ 768.566 χ^2 /NDF: 34.5/36

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4838.348+/-0.899 χ^2/NDF : 781764.3/19

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

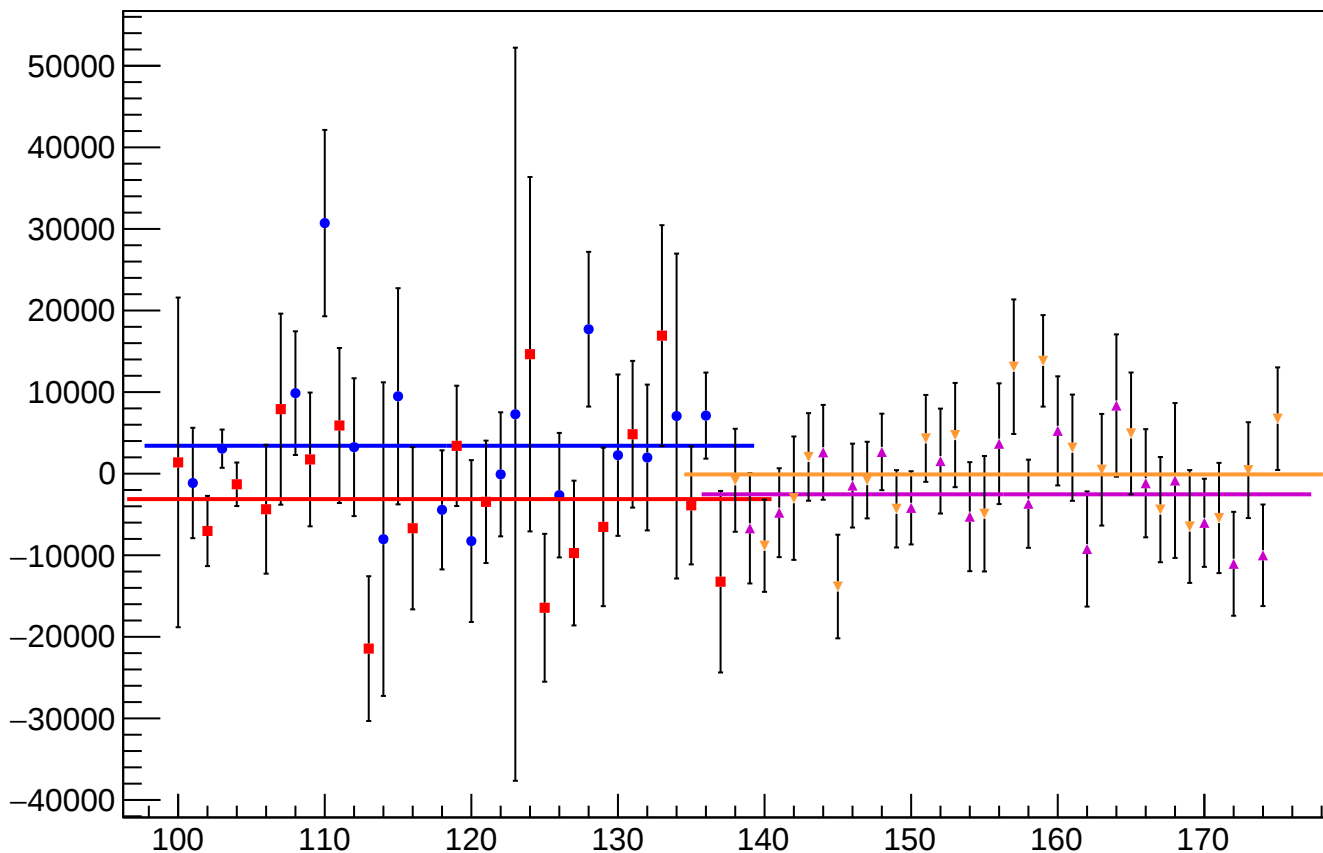
Left In: 4887.917+/-0.941 χ^2/NDF : 953886.0/17

+ sign 2948.037+/-0.550 χ^2/NDF : 14313367.4/36

All: 2874.766+/-0.387 χ^2/NDF : 28985326.9/7

- sign 2803.318+/-0.543 χ^2/NDF : 14636950.2/36

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -90.792+/-1369.296 χ^2/NDF : 22.5/19

Right Out: -3117.857+/-1605.930 χ^2/NDF : 16.0/18

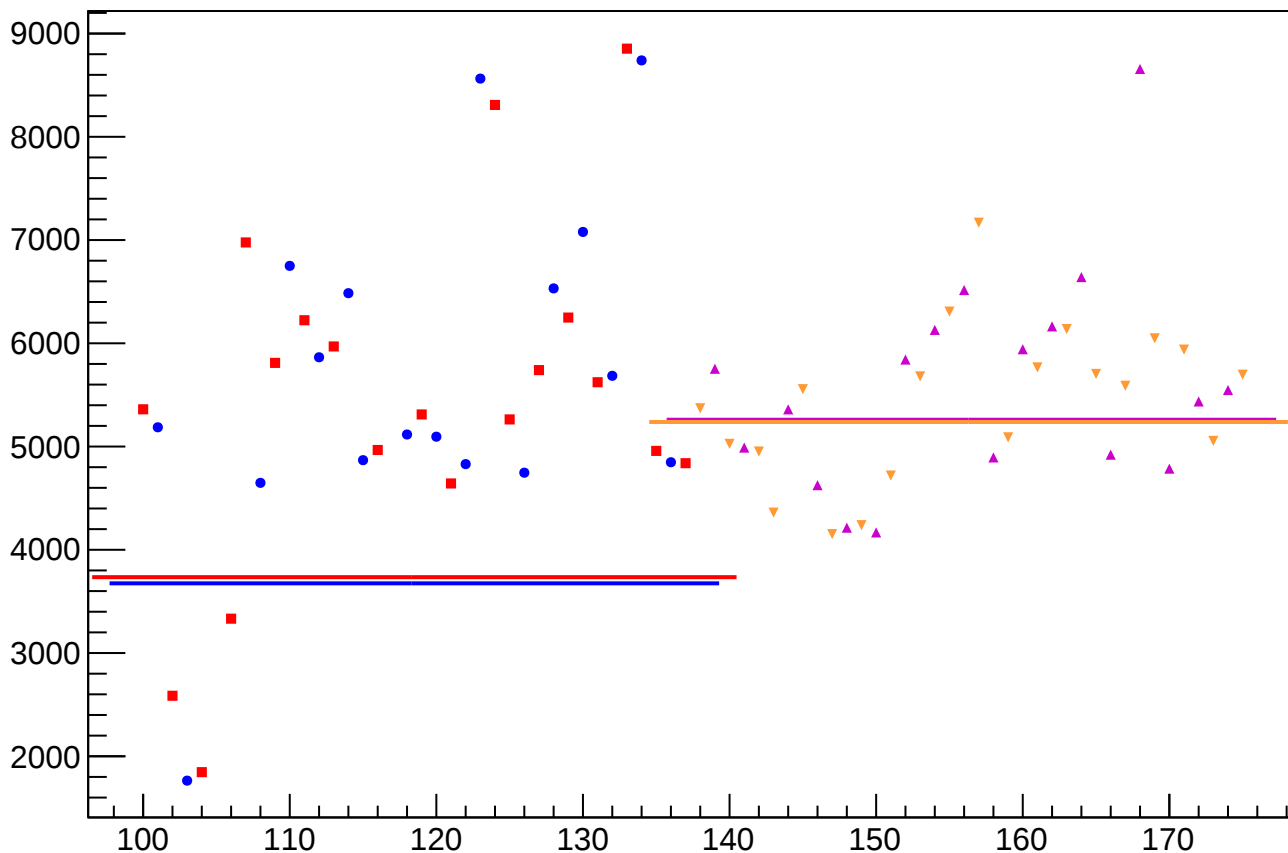
Left In: -2531.169+/-1426.418 χ^2/NDF : 11.6/17

+ sign 1386.864+/-1042.161 χ^2/NDF : 38.9/36

All: -653.369+/-745.366 χ^2/NDF : 74.5/73

- sign -2789.903+/-1066.473 χ^2/NDF : 27.7/36

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003 $\pm$ 1.136 χ^2 /NDF: 2775085.7/16

Left Out: 5237.879 $\pm$ 0.968 χ^2 /NDF: 569034.4/19

Right Out: 3734.796 $\pm$ 1.128 χ^2 /NDF: 2693929.0/18

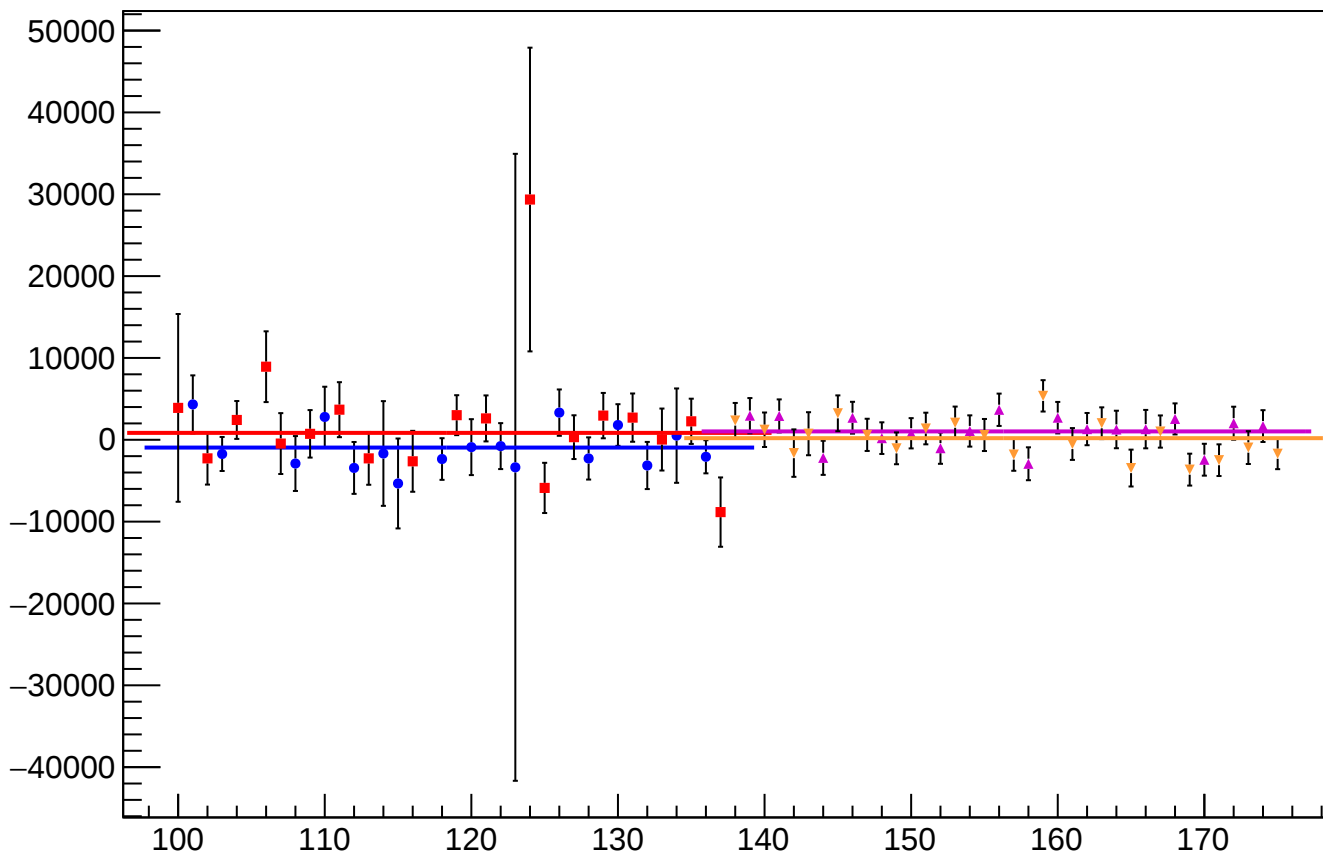
Left In: 5259.719 $\pm$ 1.009 χ^2 /NDF: 767954.2/17

+ sign 4580.317 $\pm$ 0.737 χ^2 /NDF: 4440336.2/36

All: 4581.241 $\pm$ 0.526 χ^2 /NDF: 8917778.1/73

- sign 4582.203 $\pm$ 0.752 χ^2 /NDF: 4477438.7/36

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 197.774 ± 456.657 χ^2/NDF : 24.7/19

Right Out: 843.515 ± 737.527 χ^2/NDF : 22.5/18

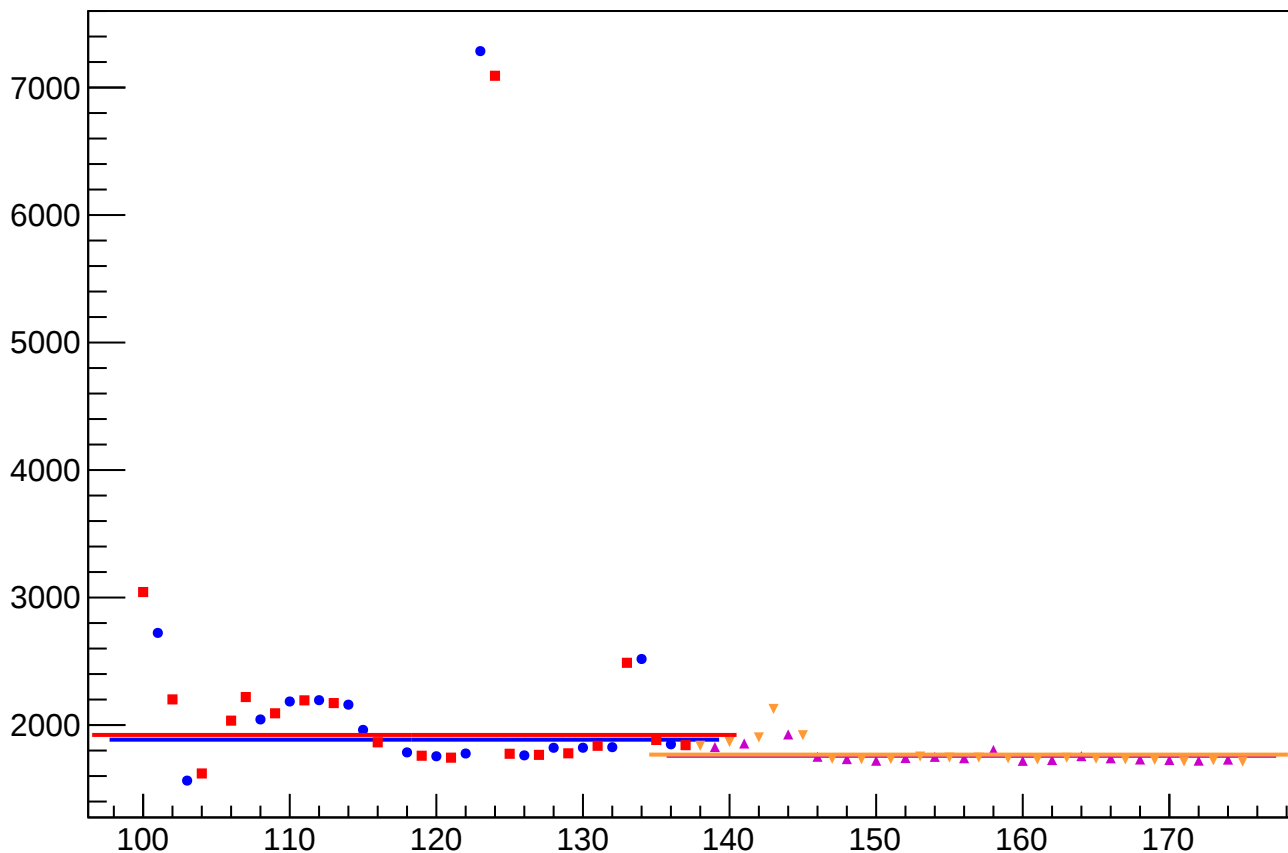
Left In: 1023.070 ± 470.351 χ^2/NDF : 16.8/17

+ sign -118.738 ± 388.714 χ^2/NDF : 36.4/36

All: 415.307 ± 277.598 χ^2/NDF : 79.6/73

- sign 971.156 ± 396.570 χ^2/NDF : 39.4/36

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1768.160+/-0.323 χ^2/NDF : 68099.1/19

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

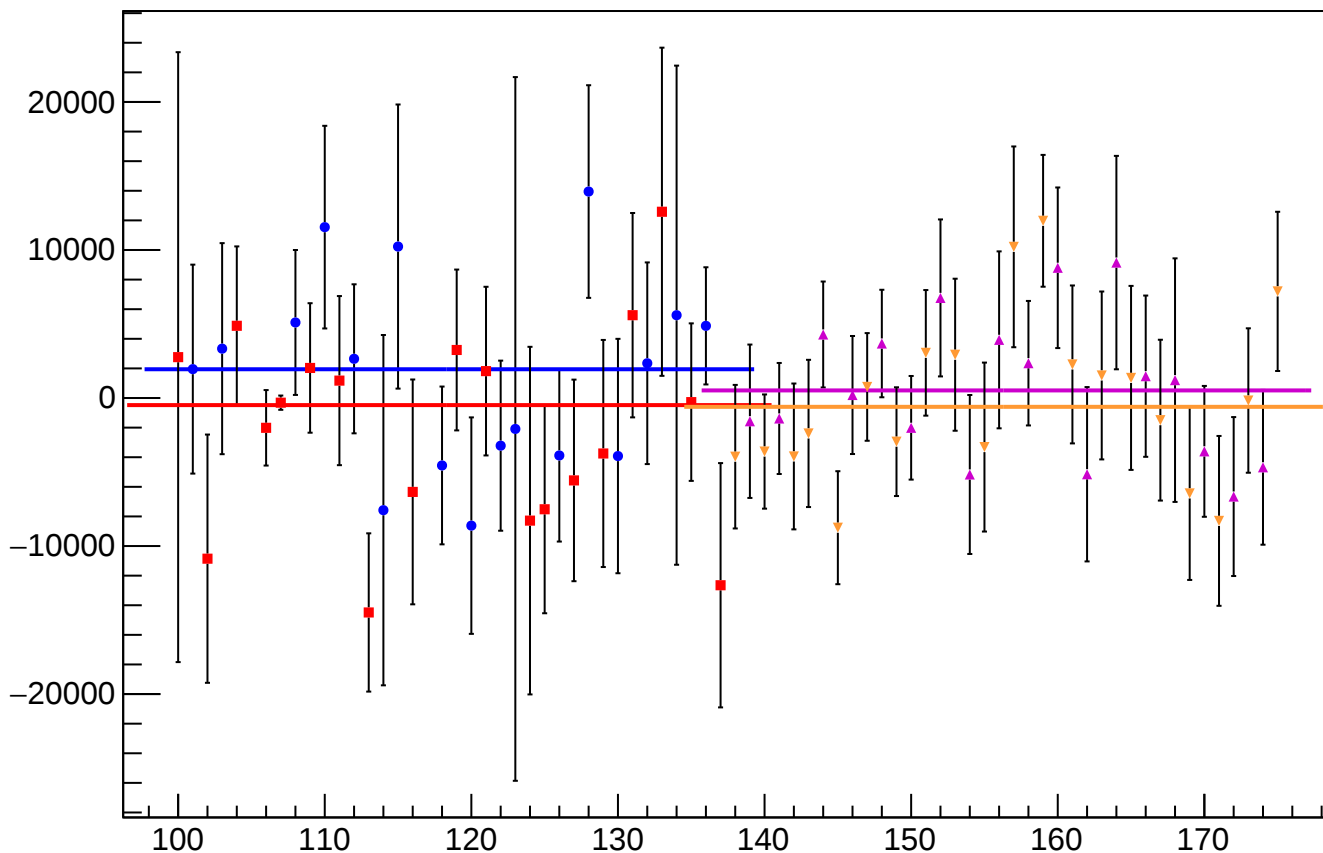
Left In: 1758.685+/-0.333 χ^2/NDF : 25969.5/17

+ sign 1800.440+/-0.275 χ^2/NDF : 384812.5/36

All: 1803.246+/-0.196 χ^2/NDF : 832837.4/73

- sign 1806.164+/-0.280 χ^2/NDF : 447812.3/36

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -595.477+/-1073.144 χ^2/NDF : 24.2/19

Right Out: -478.828+/-453.684 χ^2/NDF : 18.1/18

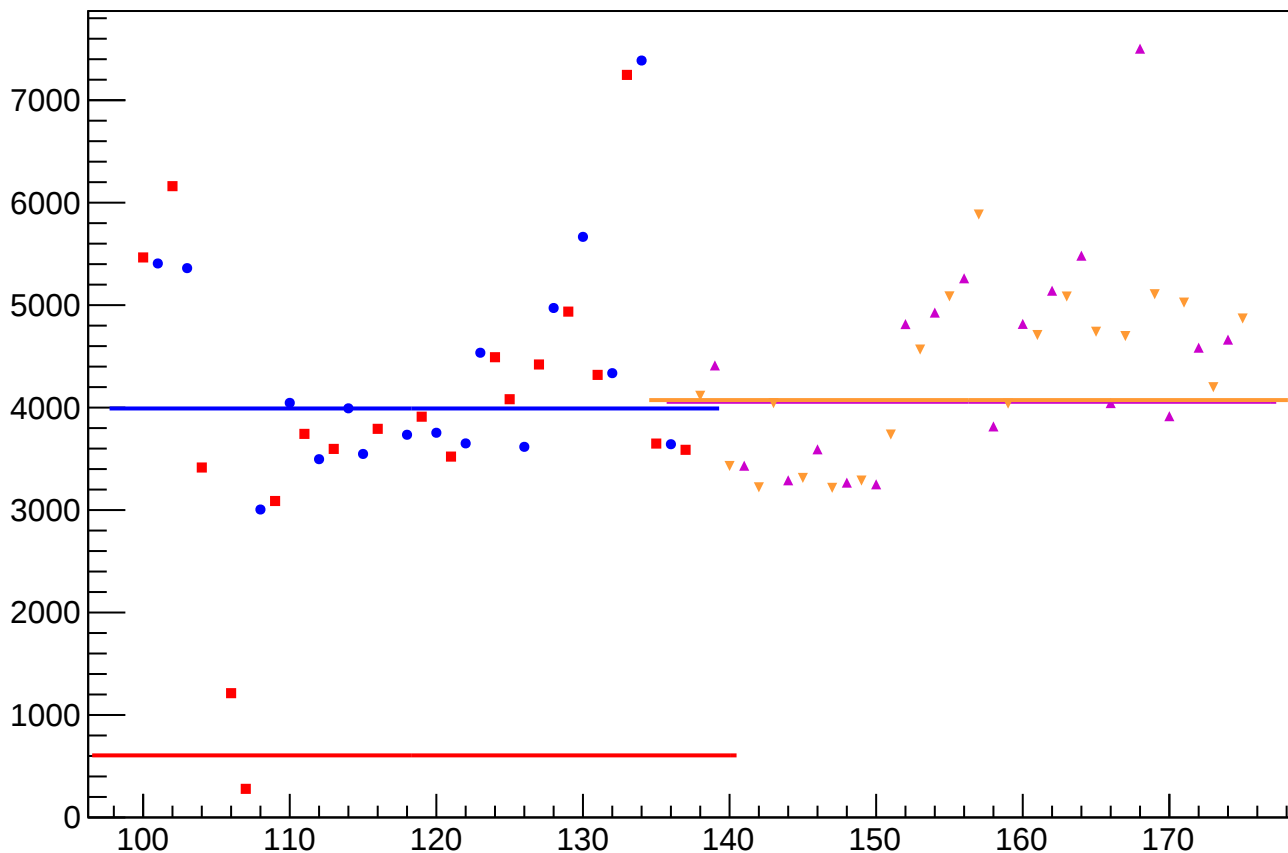
Left In: 513.036+/-1107.997 χ^2/NDF : 14.2/17

+ sign 205.208+/-887.927 χ^2/NDF : 39.2/36

All: -237.441+/-379.559 χ^2/NDF : 72.4/73

- sign -336.410+/-419.851 χ^2/NDF : 33.0/36

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 4073.235+/-0.759 χ^2/NDF : 937706.0/19

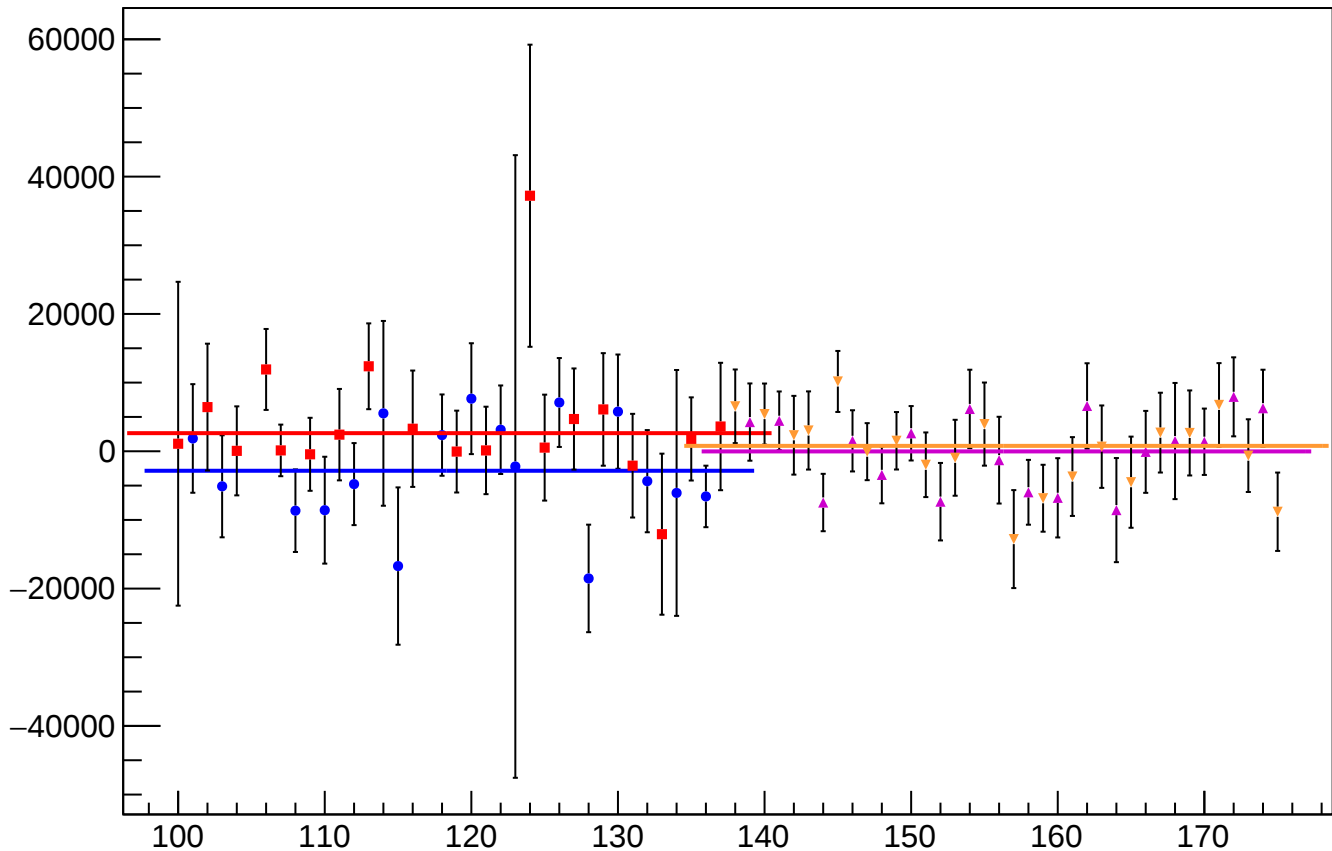
Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

Left In: 4056.703+/-0.783 χ^2/NDF : 1149658.2/17

+ sign 4047.430+/-0.628 χ^2/NDF : 1452155.5/36

All: 1639.593+/-0.268 χ^2/NDF : 47459560.7/7

- sign 1101.245+/-0.297 χ^2/NDF : 28011976.2/36



Right In: -2839.599 ± 1786.019 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 786.410 ± 1187.493 $\chi^2/\text{NDF}: 19.1/19$

Right Out: 2637.071 ± 1575.105 $\chi^2/\text{NDF}: 11.2/18$

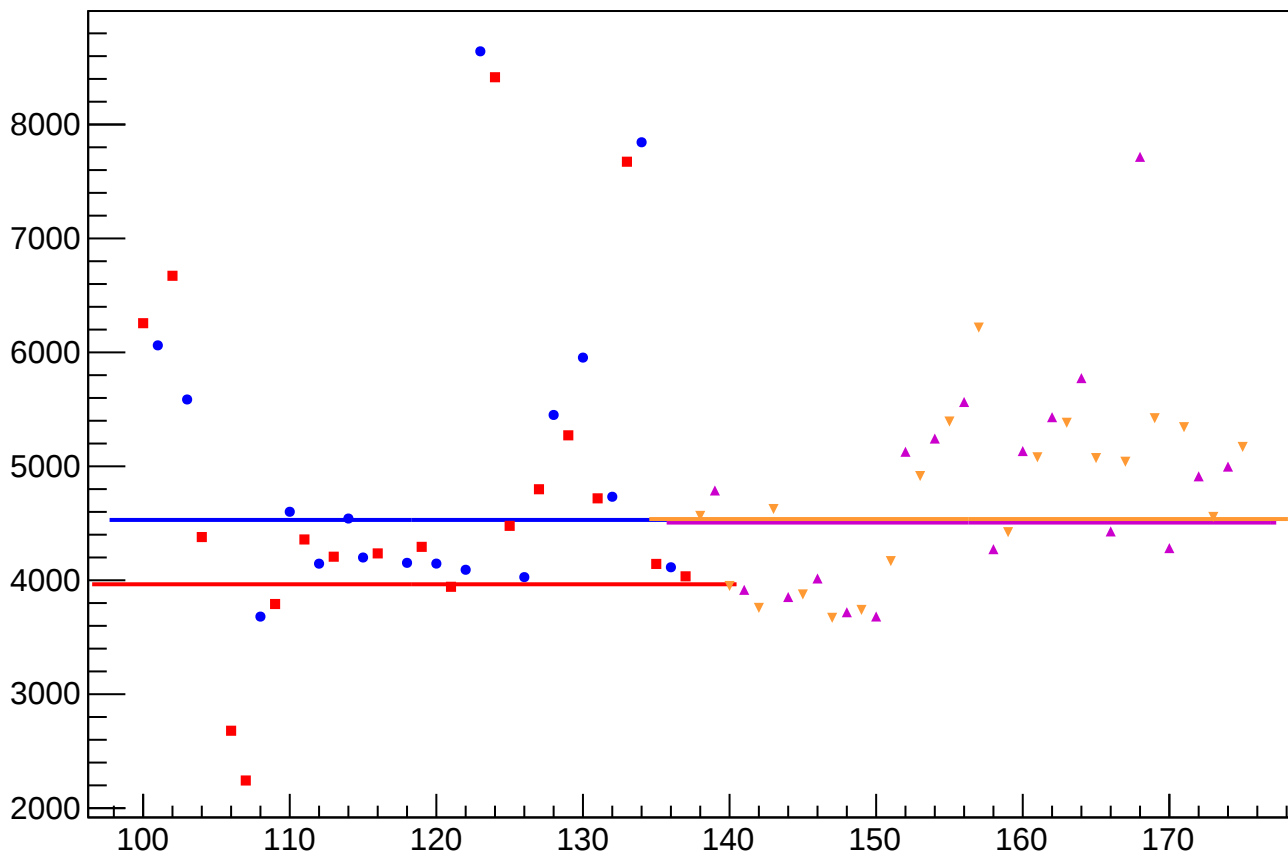
Left In: -23.317 ± 1223.346 $\chi^2/\text{NDF}: 17.6/17$

+ sign -325.150 ± 988.868 $\chi^2/\text{NDF}: 37.4/36$

All: 341.388 ± 691.069 $\chi^2/\text{NDF}: 68.8/73$

- sign 977.674 ± 966.167 $\chi^2/\text{NDF}: 30.6/36$

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4537.291 $\pm$ 0.840 χ^2 /NDF: 636286.4/19

Right Out: 3964.829 $\pm$ 1.107 χ^2 /NDF: 1140409.6/18

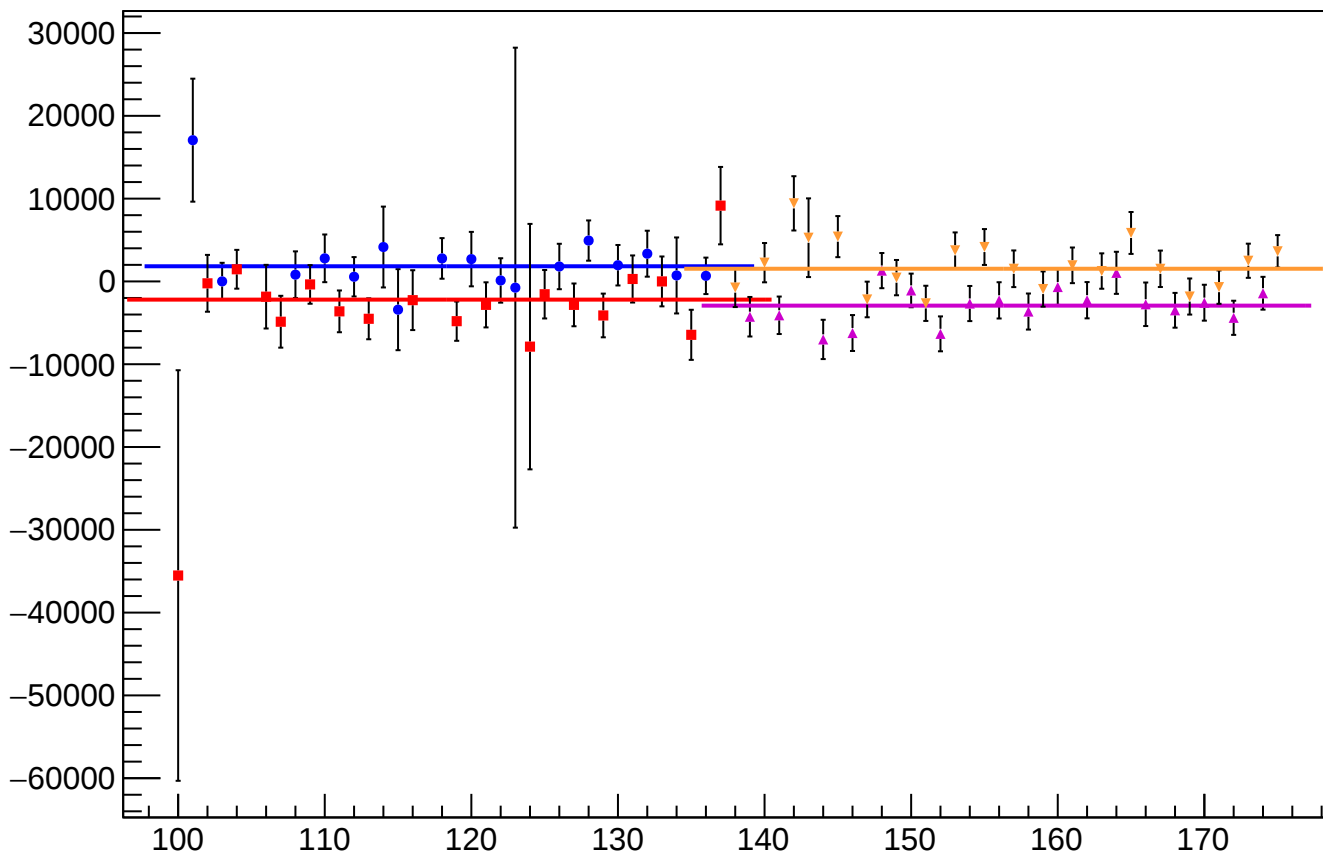
Left In: 4506.296 $\pm$ 0.865 χ^2 /NDF: 835359.4/17

+ sign 4534.891 $\pm$ 0.699 χ^2 /NDF: 1025639.2/36

All: 4414.913 $\pm$ 0.488 χ^2 /NDF: 3207420.9/73

- sign 4300.933 $\pm$ 0.682 χ^2 /NDF: 2124370.9/36

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1530.881+/-505.270 χ^2/NDF : 28.8/19

Right Out: -2198.063+/-684.205 χ^2/NDF : 18.3/18

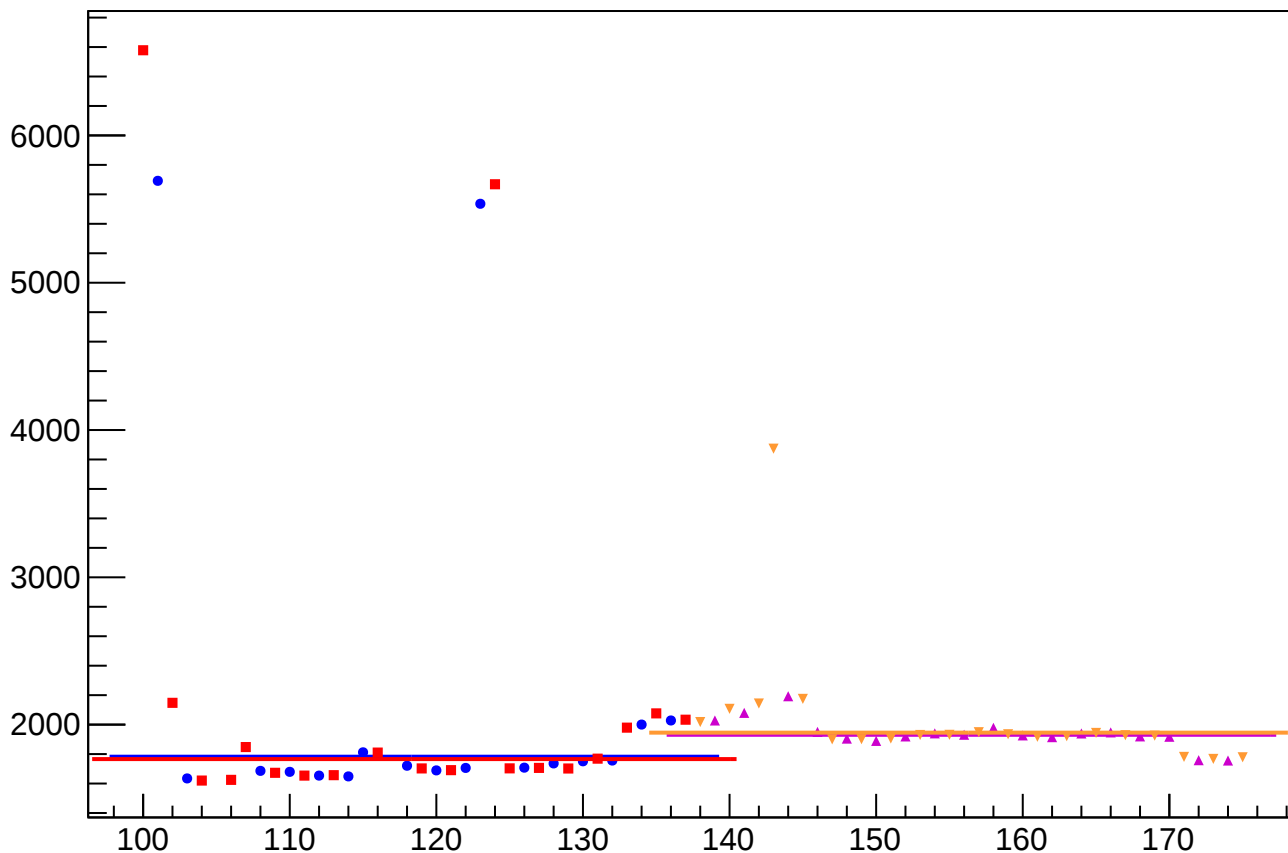
Left In: -2924.136+/-516.913 χ^2/NDF : 18.3/17

+ sign 1631.223+/-411.928 χ^2/NDF : 38.6/36

All: -511.871+/-291.458 χ^2/NDF : 130.1/73

- sign -2660.303+/-412.440 χ^2/NDF : 37.3/36

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137 $\pm$ 0.503 χ^2 /NDF: 645188.8/16

Left Out: 1945.504 $\pm$ 0.357 χ^2 /NDF: 411098.1/19

Right Out: 1765.967 $\pm$ 0.480 χ^2 /NDF: 306798.2/18

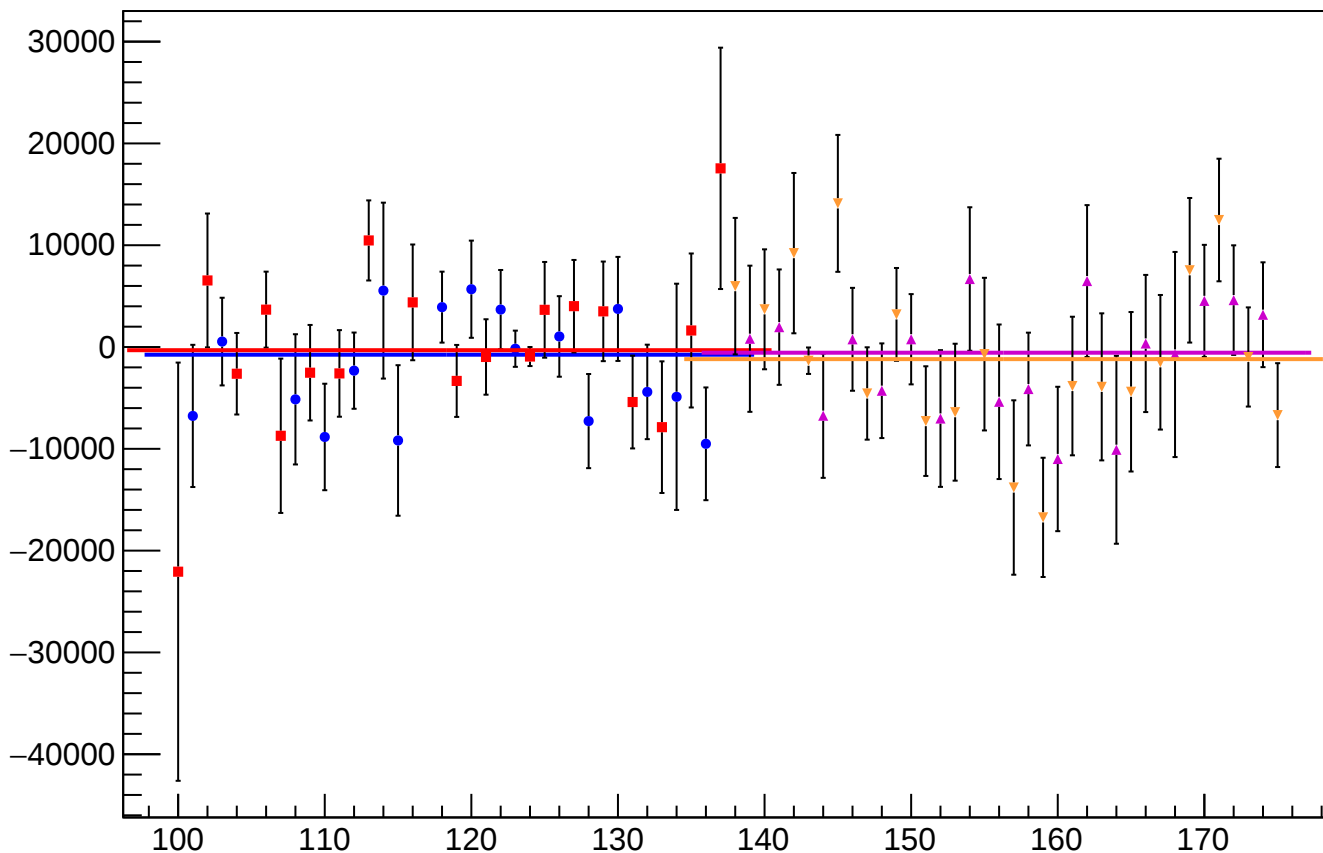
Left In: 1930.938 $\pm$ 0.366 χ^2 /NDF: 68523.2/17

+ sign 1890.720 $\pm$ 0.291 χ^2 /NDF: 1126401.5/36

All: 1880.581 $\pm$ 0.206 χ^2 /NDF: 1578814.2/73

- sign 1870.467 $\pm$ 0.291 χ^2 /NDF: 449992.5/36

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -1188.884+/-951.852 χ^2/NDF : 29.6/19

Right Out: -311.405+/-725.132 χ^2/NDF : 22.0/18

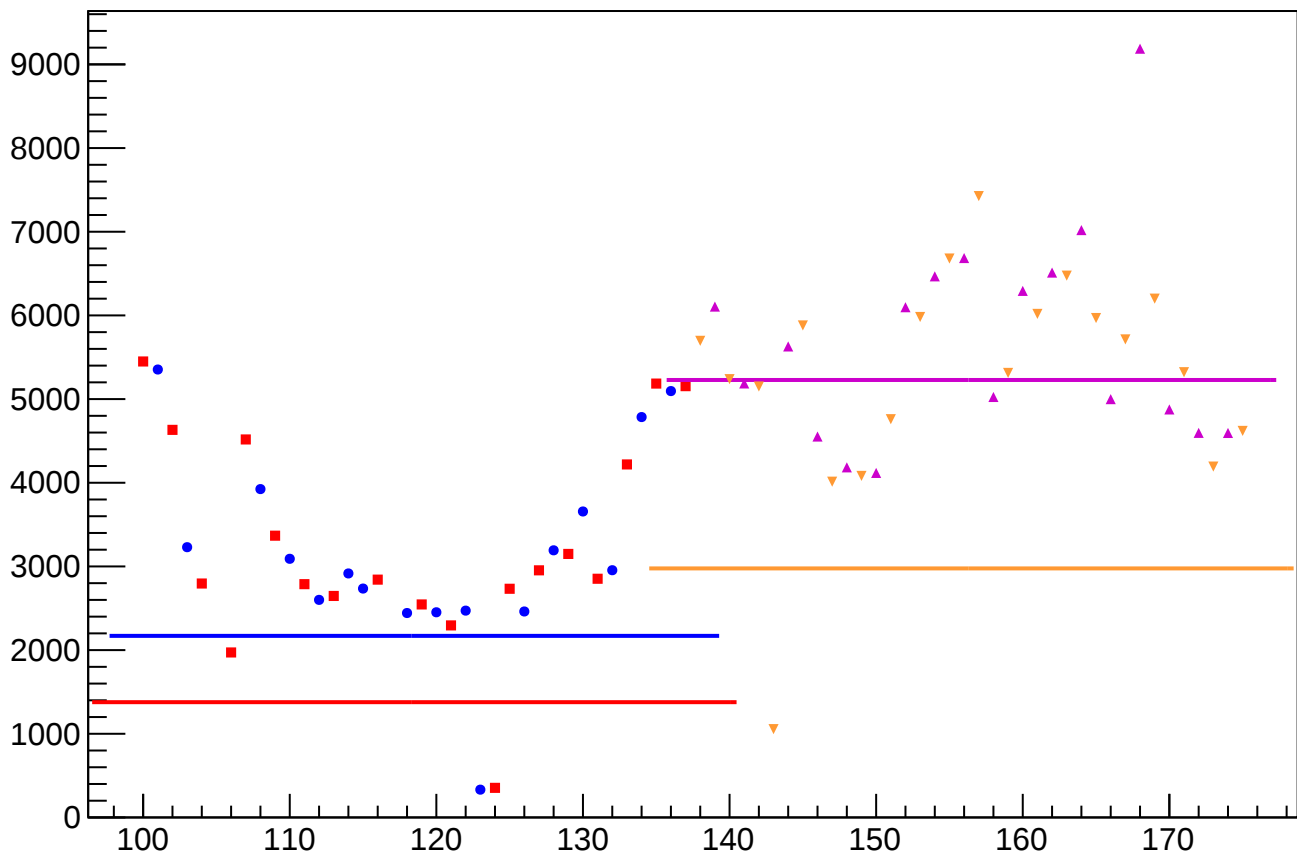
Left In: -558.136+/-1424.741 χ^2/NDF : 11.3/17

+ sign -983.734+/-692.229 χ^2/NDF : 46.7/36

All: -651.622+/-472.385 χ^2/NDF : 80.4/73

- sign -362.168+/-646.246 χ^2/NDF : 33.3/36

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2976.269+/-0.673 χ^2/NDF : 10260757.0/19

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

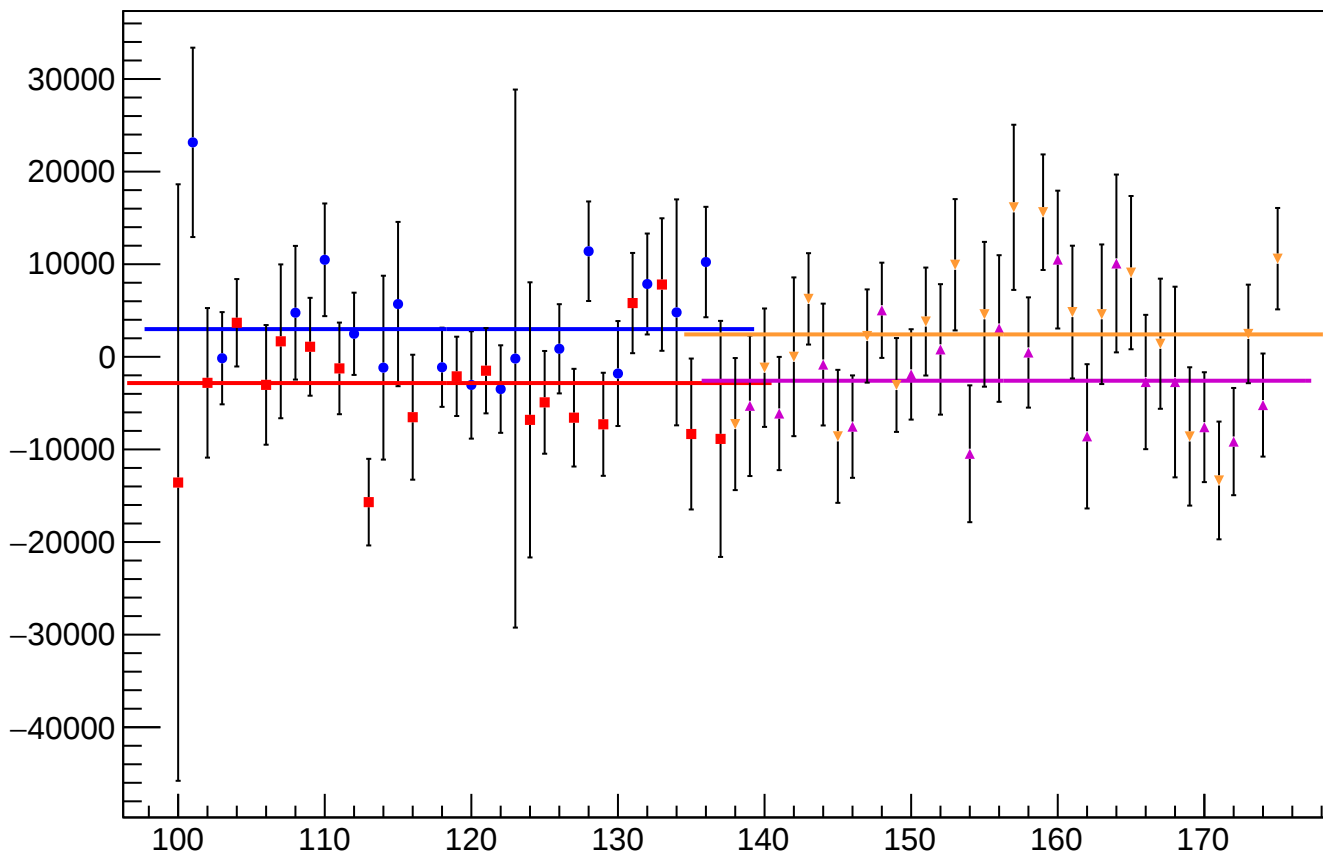
Left In: 5228.345+/-1.007 χ^2/NDF : 1029258.7/17

+ sign 2596.537+/-0.489 χ^2/NDF : 14910126.2/36

All: 2368.607+/-0.334 χ^2/NDF : 34795844.4/7

- sign 2169.953+/-0.457 χ^2/NDF : 19479896.9/36

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 2420.604 $\pm$ 1437.668 χ^2 /NDF: 25.9/19

Right Out: -2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

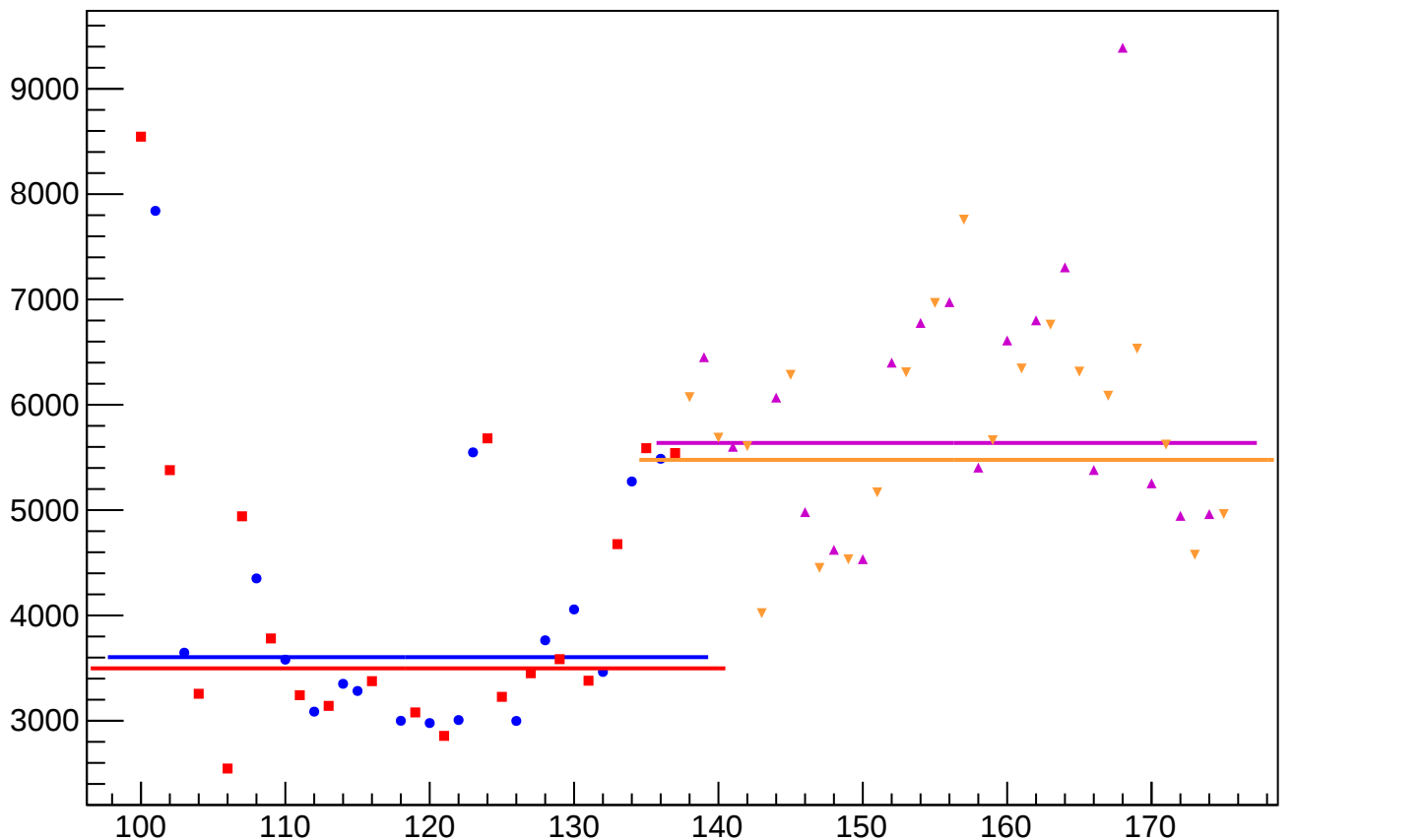
Left In: -2582.162 $\pm$ 1530.843 χ^2 /NDF: 13.3/17

+ sign 2704.813 $\pm$ 1019.942 χ^2 /NDF: 41.7/36

All: 4.434 $\pm$ 722.861 χ^2 /NDF: 86.8/73

- sign -2720.850 $\pm$ 1024.634 χ^2 /NDF: 31.1/36

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930+/-1.023 χ^2 /NDF: 784674.5/16

Left Out: 5477.215+/-1.017 χ^2 /NDF:845673.3/19

Right Out: 3497.586+/-0.962 χ^2 /NDF: 661898.6/18

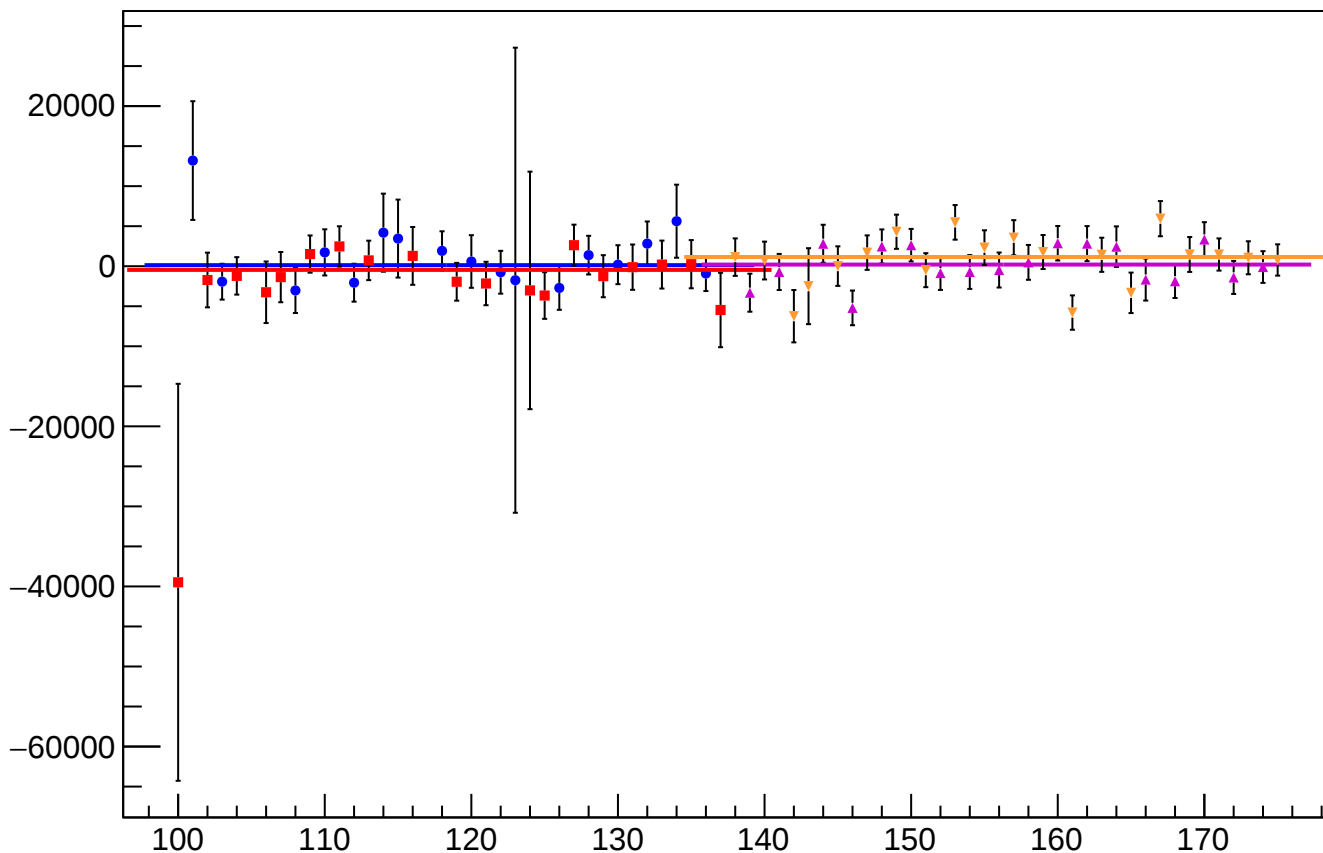
Left In: 5637.810+/-1.082 χ^2 /NDF:844788.1/17

+ sign 4546.763+/-0.721 χ^2 /NDF: 3316941.8/36

All: 4494.020+/-0.509 χ^2 /NDF: 7019190.6/73

- sign 4441.612+/-0.719 χ^2 /NDF: 3691586.3/36

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1152.340 $\pm$ 504.280 χ^2 /NDF:32.8/19

Right Out: -459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

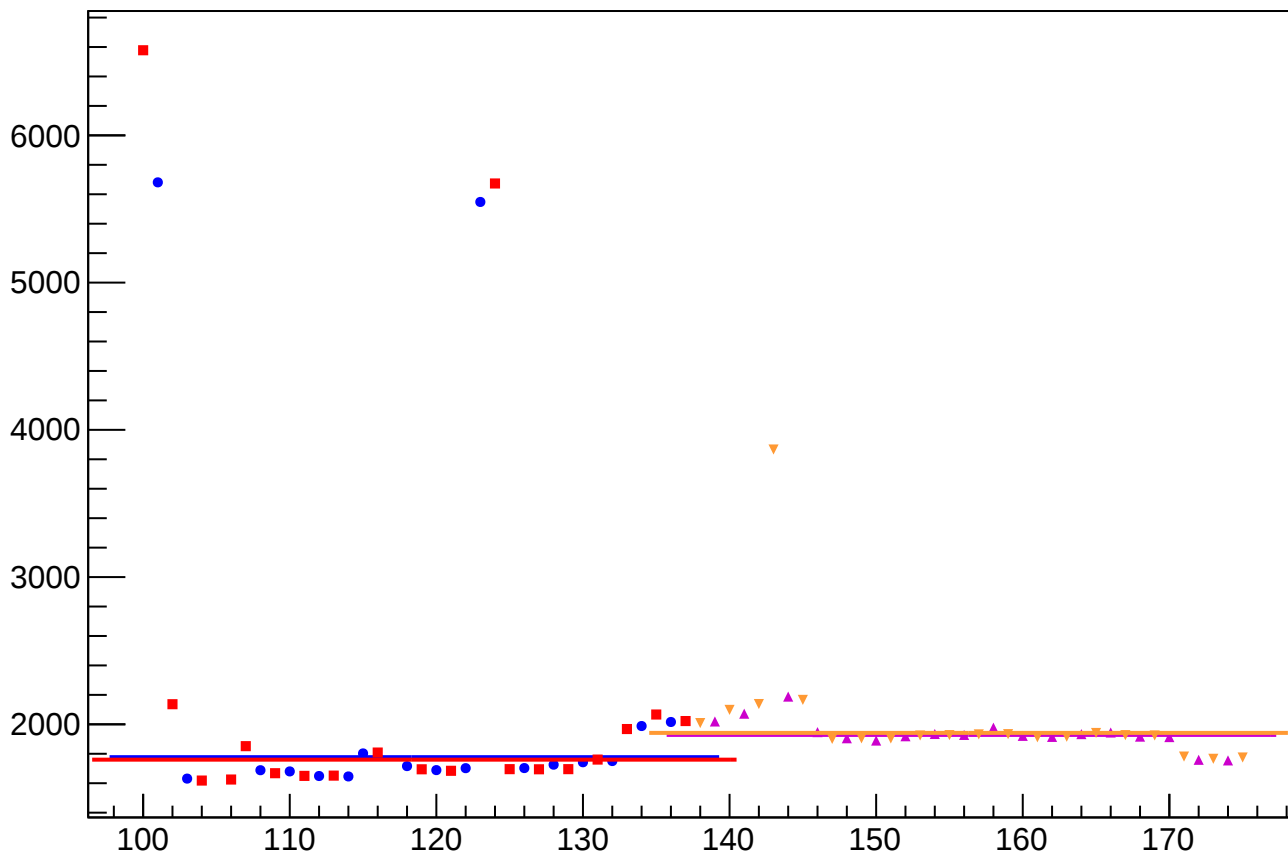
Left In: 205.689 $\pm$ 516.120 χ^2 /NDF:20.9/17

+ sign 809.337 $\pm$ 410.978 χ^2 /NDF: 46.4/36

All: 387.003 $\pm$ 290.796 χ^2 /NDF: 80.7/73

- sign -36.444 $\pm$ 411.519 χ^2 /NDF: 32.2/36

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879 $\pm$ 0.501 χ^2 /NDF: 643576.8/16

Left Out: 1941.850 $\pm$ 0.357 χ^2 /NDF: 408234.3/19

Right Out: 1759.990 $\pm$ 0.479 χ^2 /NDF: 306154.6/18

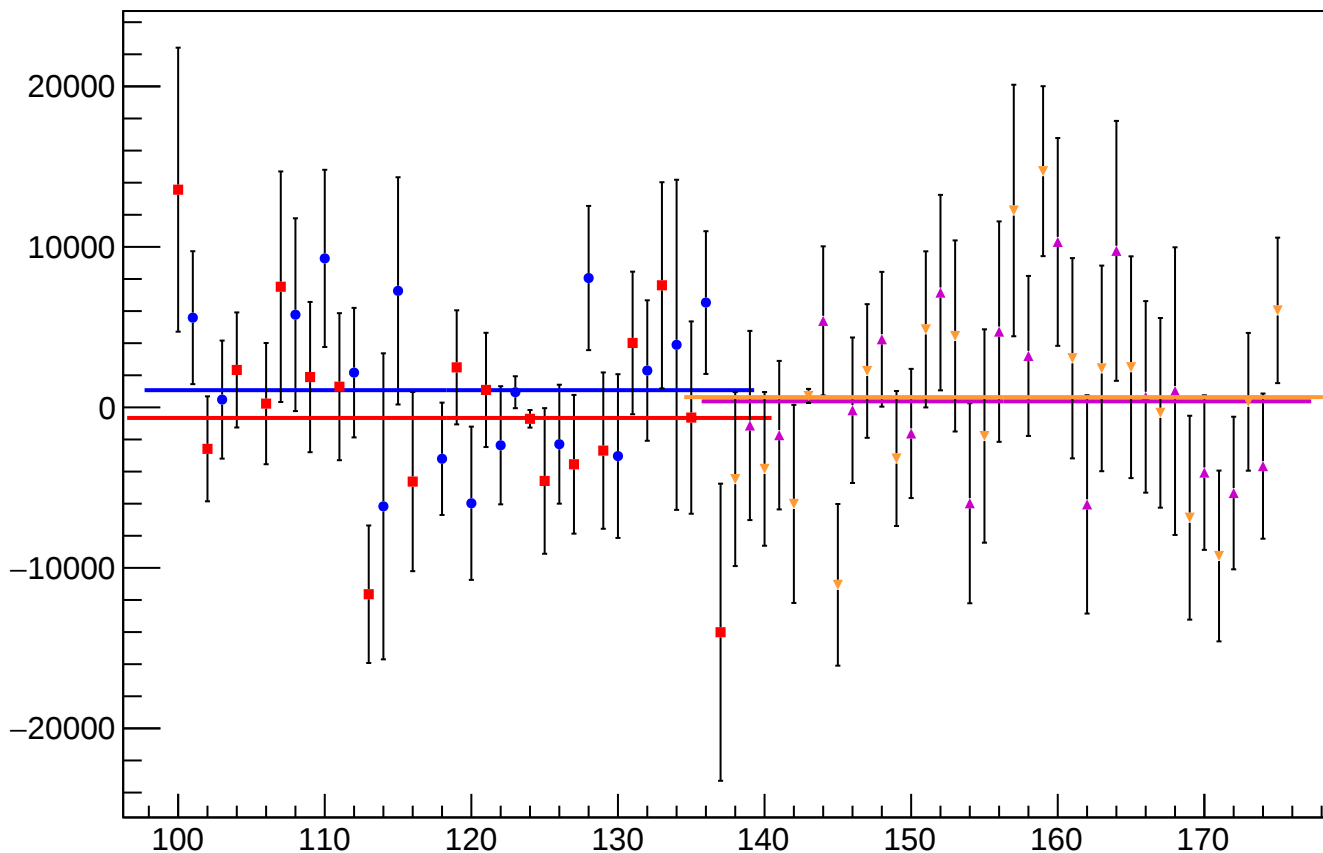
Left In: 1928.057 $\pm$ 0.365 χ^2 /NDF: 66485.9/17

+ sign 1886.452 $\pm$ 0.291 χ^2 /NDF: 1123689.1/36

All: 1876.366 $\pm$ 0.205 χ^2 /NDF: 1576658.1/73

- sign 1866.304 $\pm$ 0.290 χ^2 /NDF: 450563.0/36

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 639.614+/-413.223 χ^2/NDF : 26.5/19

Right Out: -658.759+/-488.034 χ^2/NDF : 19.8/18

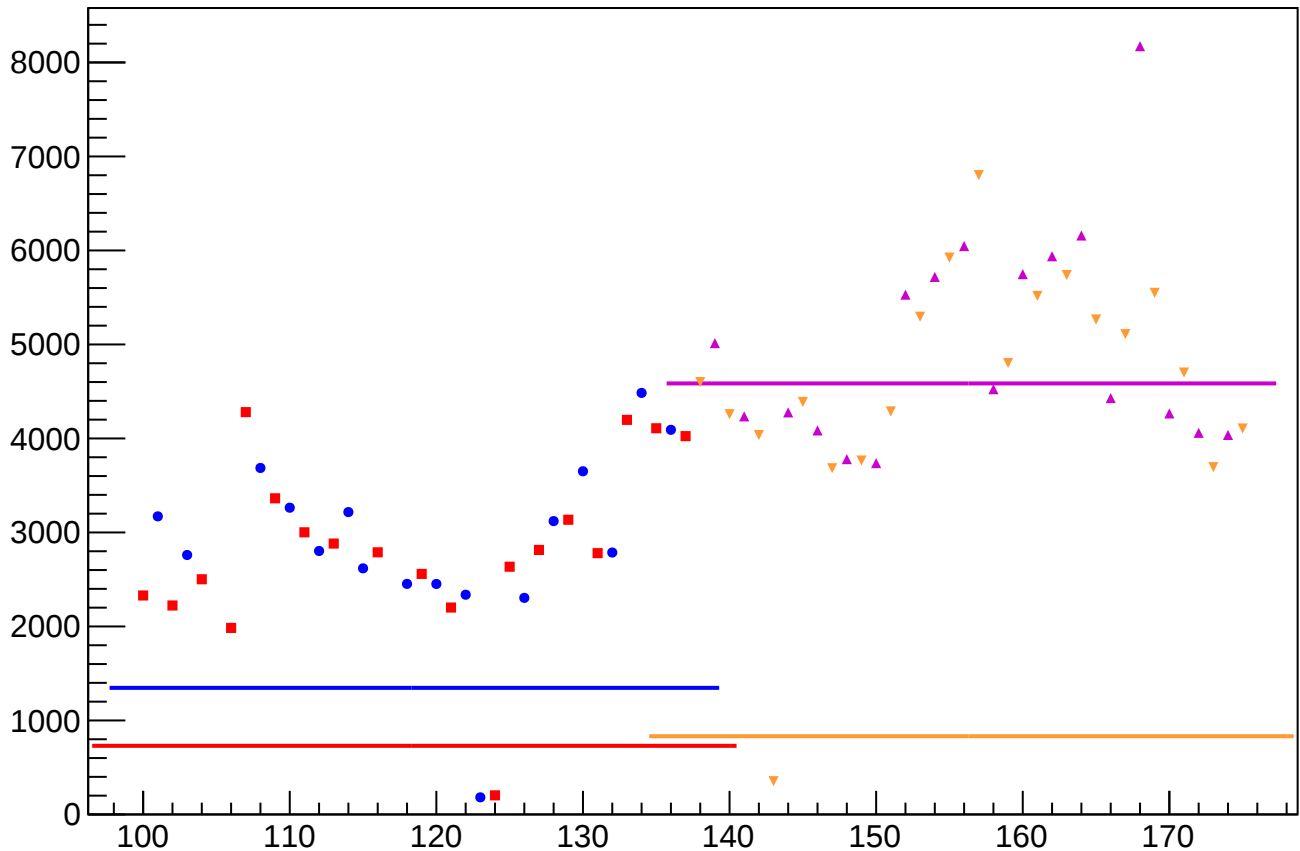
Left In: 376.309+/-1249.382 χ^2/NDF : 13.2/17

+ sign 739.881+/-362.181 χ^2/NDF : 42.3/36

All: 250.000+/-283.267 χ^2/NDF : 80.6/73

- sign -521.732+/-454.583 χ^2/NDF : 33.6/36

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 832.044 $\pm$ 0.292 χ^2 /NDF: 21668456.2/19

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

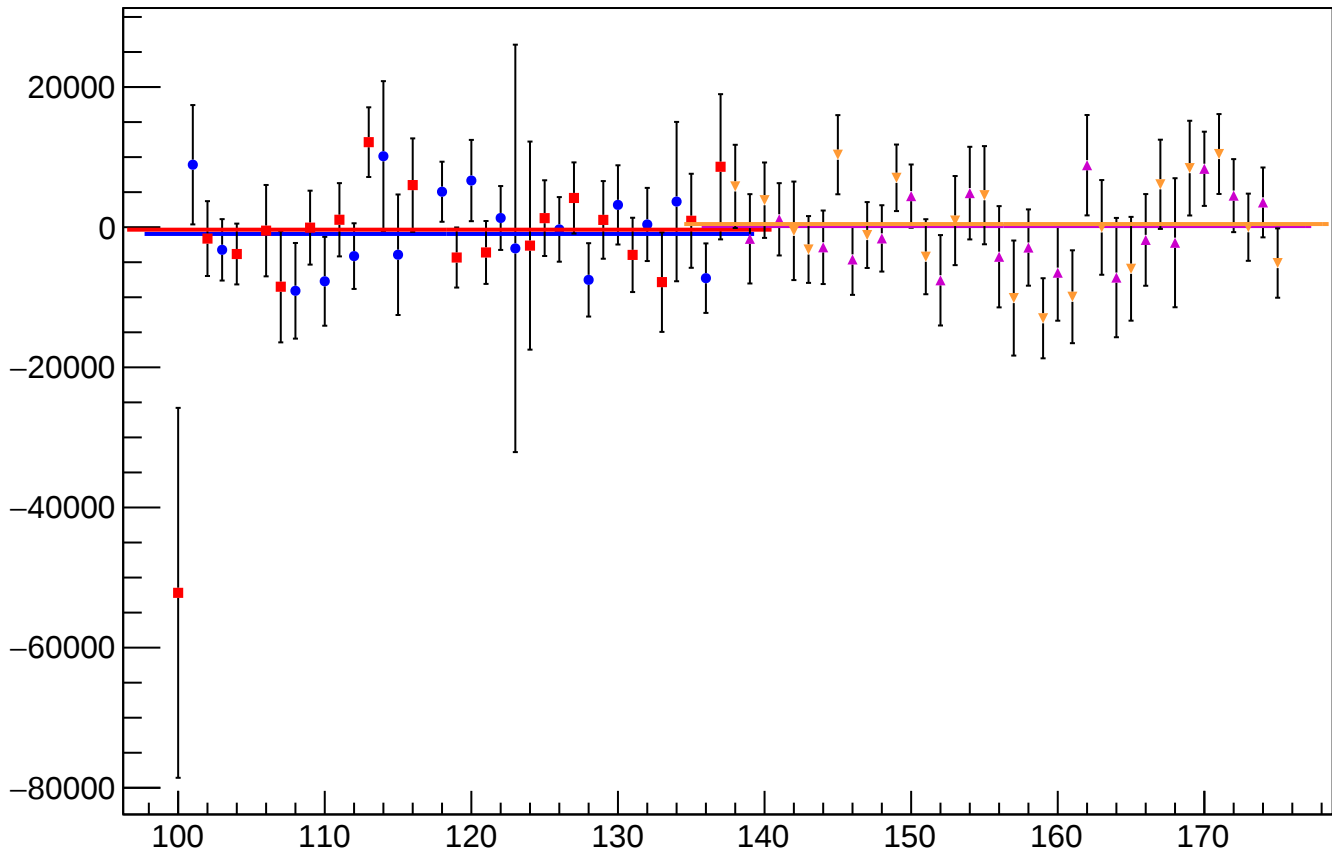
Left In: 4585.335 $\pm$ 0.883 χ^2 /NDF: 1026222.8/17

+ sign 951.367 $\pm$ 0.256 χ^2 /NDF: 29227042.8/36

All: 1063.632 $\pm$ 0.200 χ^2 /NDF: 56773331.5/7

- sign 1240.489 $\pm$ 0.321 χ^2 /NDF: 27051400.8/36

asym_atr1l2_dd_mean vs Slug



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 448.239 ± 1292.983 χ^2/NDF : 25.0/19

Right Out: -354.646 ± 1329.760 χ^2/NDF : 17.6/18

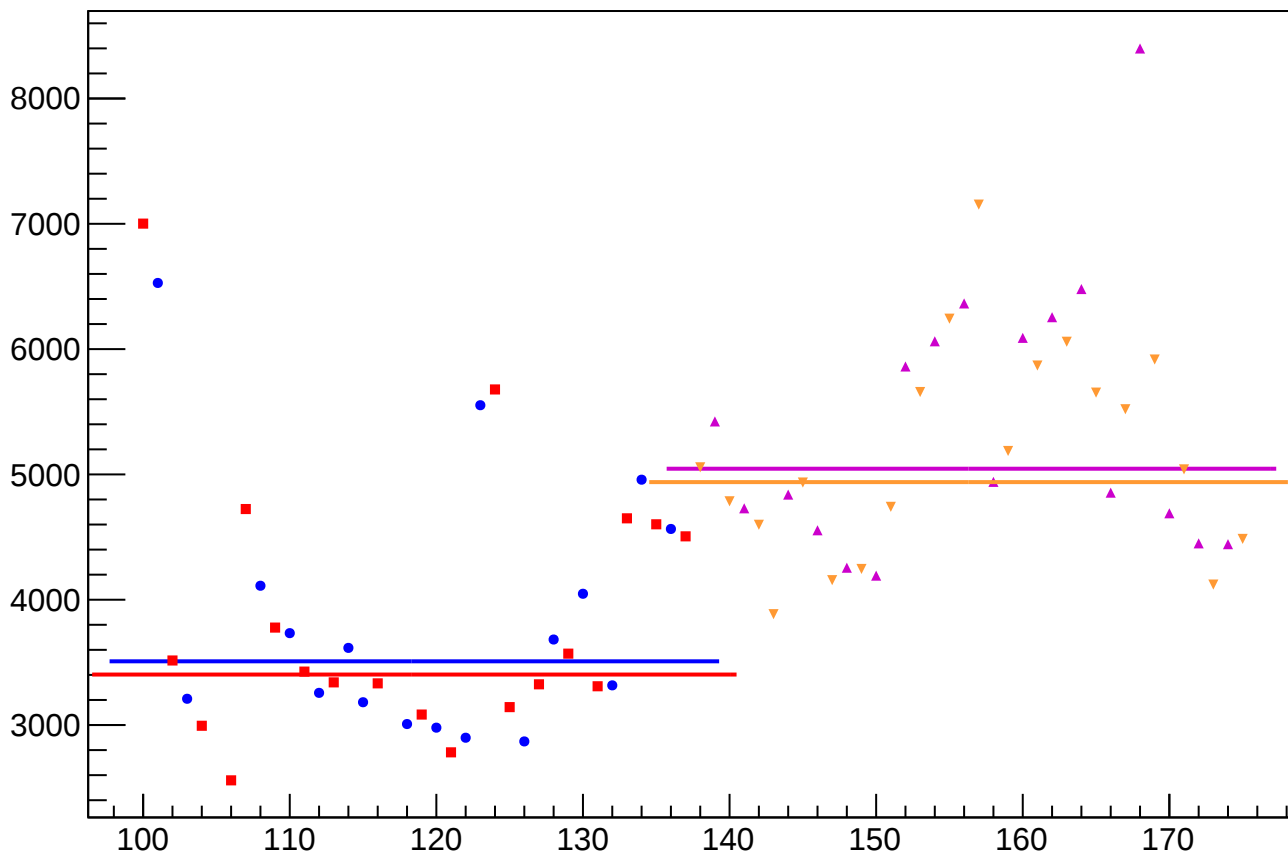
Left In: 160.595 ± 1368.816 χ^2/NDF : 11.9/17

+ sign -204.114 ± 948.490 χ^2/NDF : 39.3/36

All: -154.575 ± 672.550 χ^2/NDF : 68.8/73

- sign -104.481 ± 953.791 χ^2/NDF : 29.5/36

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2 /NDF: 562197.7/16

Left Out: 4938.641+/-0.914 χ^2 /NDF:696993.0/19

Right Out: 3402.883+/-0.928 χ^2 /NDF: 428556.1/18

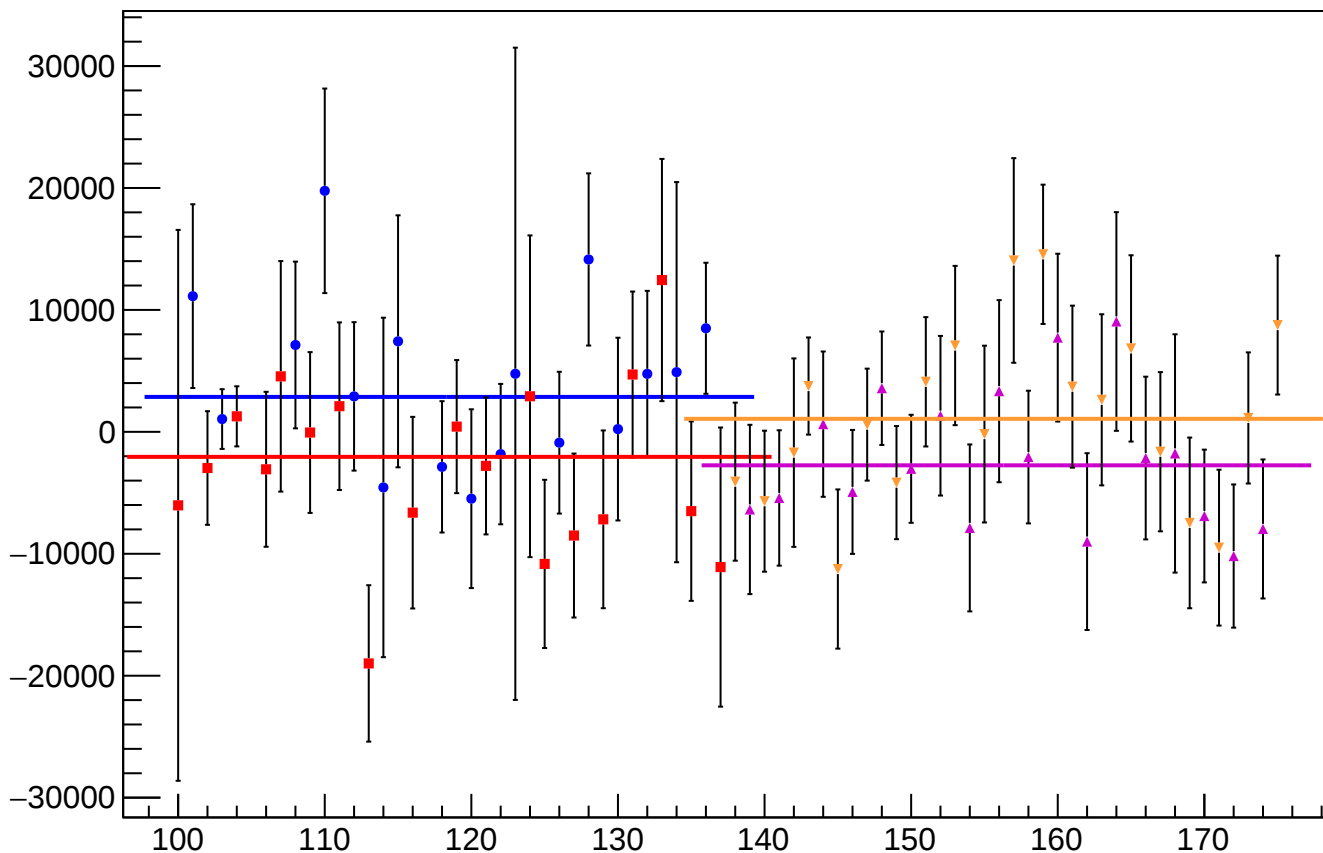
Left In: 5045.463+/-0.968 χ^2 /NDF:802048.2/17

+ sign 4278.077+/-0.671 χ^2 /NDF: 2389358.2/36

All: 4233.847+/-0.474 χ^2 /NDF: 5129061.3/73

- sign 4189.719+/-0.670 χ^2 /NDF: 2731014.7/36

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: 1068.663 $\pm$ 1327.374 χ^2 /NDF:23.6/19

Right Out: -2051.211 $\pm$ 1381.577 χ^2 /NDF: 17.7/18

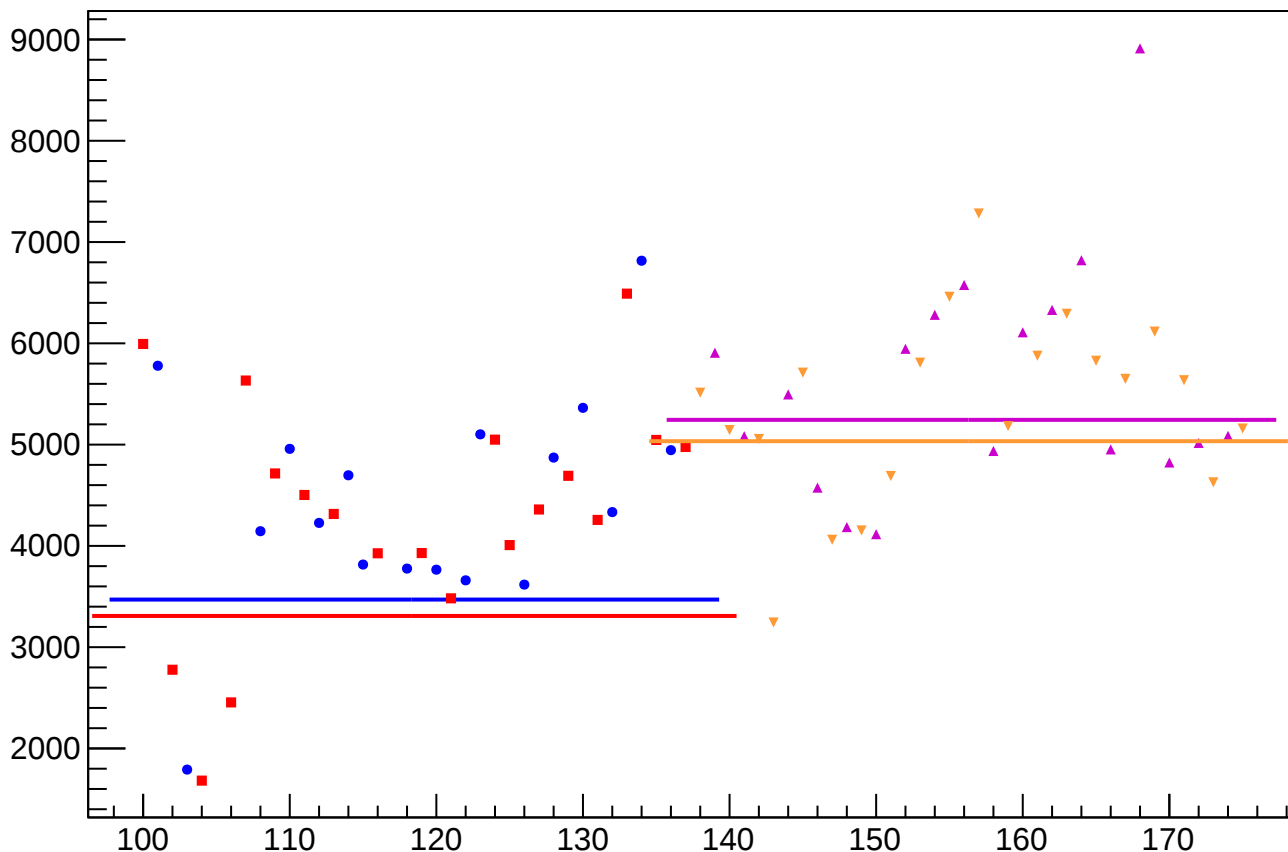
Left In: -2746.141 $\pm$ 1424.796 χ^2 /NDF:12.3/17

+ sign 1885.938 $\pm$ 979.899 χ^2 /NDF: 38.5/36

All: -225.116 $\pm$ 697.080 χ^2 /NDF: 78.0/73

- sign -2387.976 $\pm$ 991.850 χ^2 /NDF: 30.1/36

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5033.899 $\pm$ 0.939 χ^2 /NDF: 1071638.0/19

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

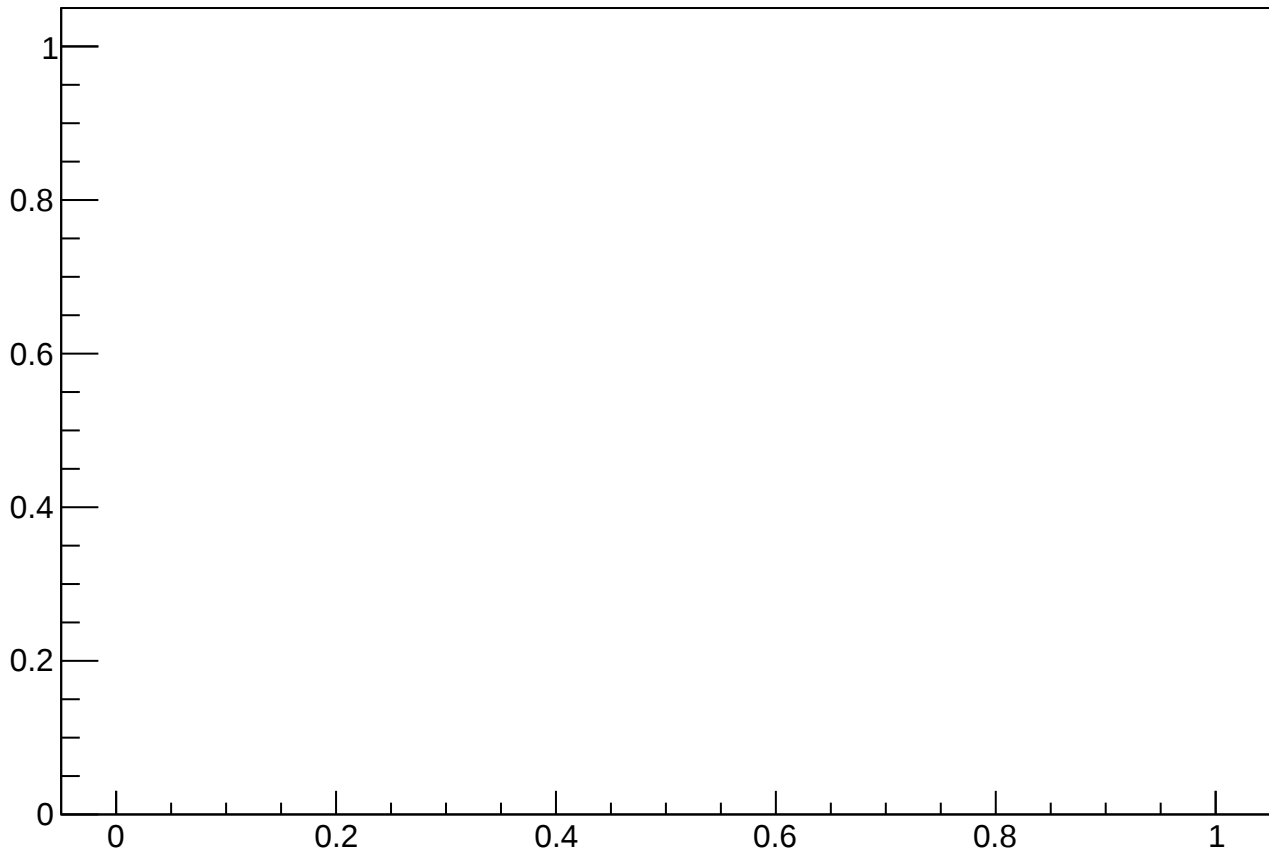
Left In: 5244.432 $\pm$ 1.007 χ^2 /NDF: 870588.9/17

+ sign 4322.285 $\pm$ 0.693 χ^2 /NDF: 4095735.7/36

All: 4280.281 $\pm$ 0.492 χ^2 /NDF: 8804978.1/73

- sign 4237.652 $\pm$ 0.698 χ^2 /NDF: 4701837.7/36

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

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

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

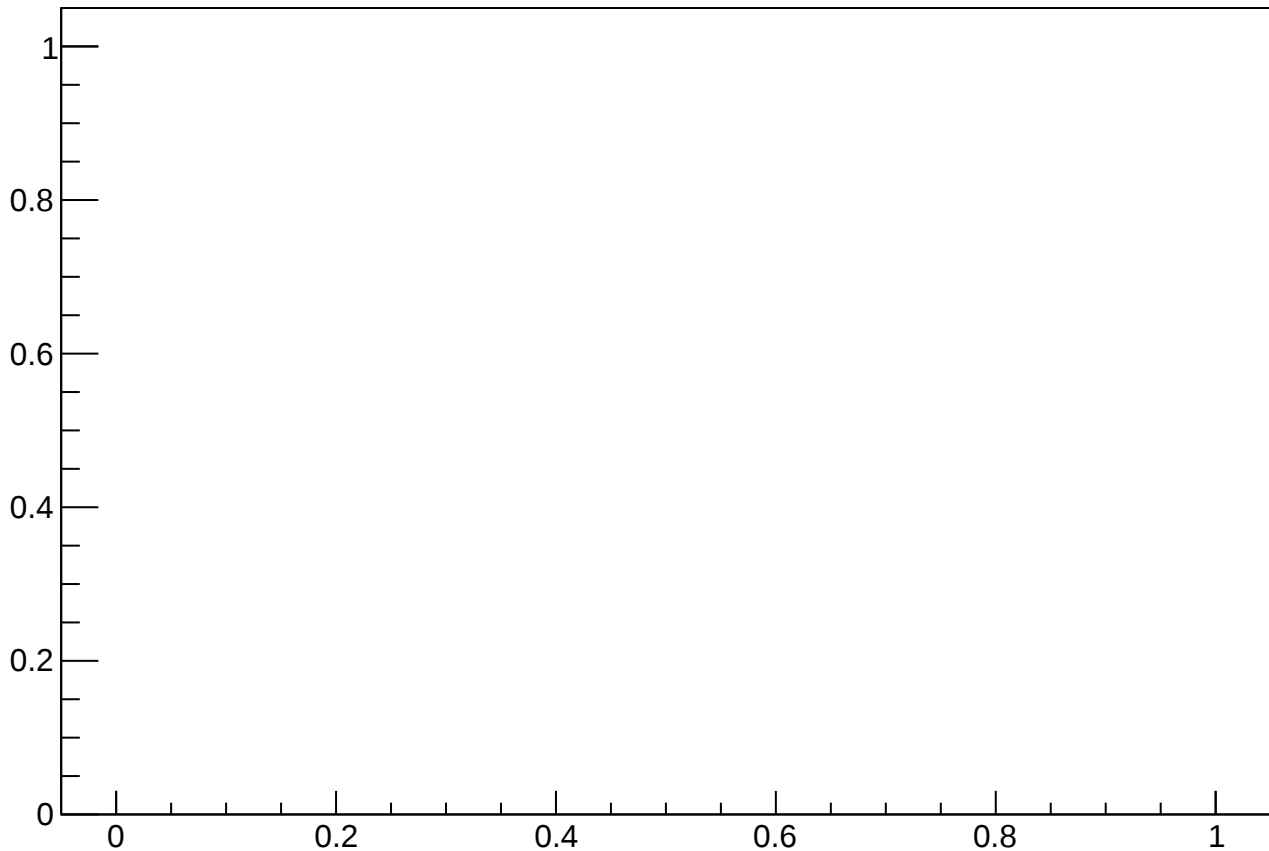
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



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

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

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

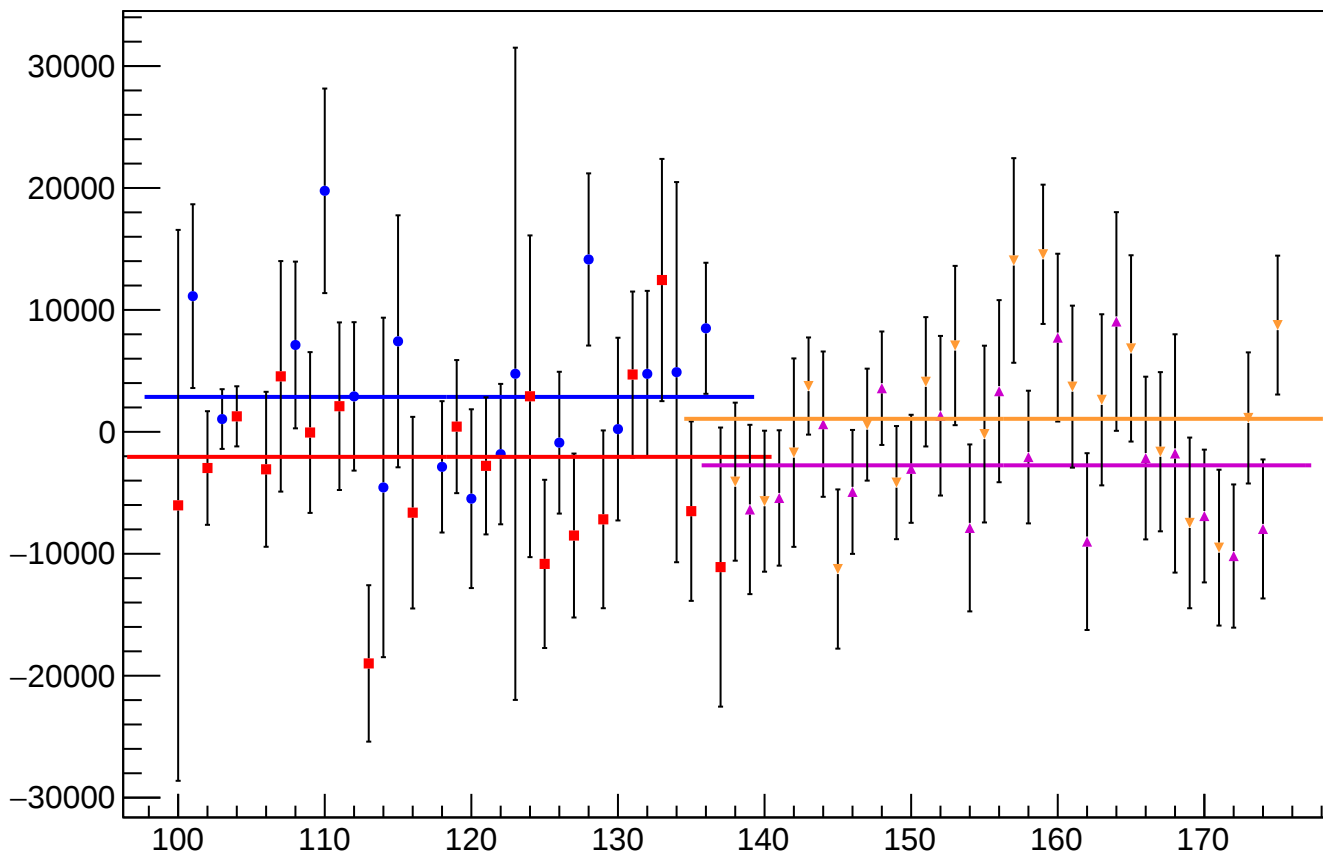
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: 1068.663 $\pm$ 1327.374 χ^2 /NDF:23.6/19

Right Out: -2051.211 $\pm$ 1381.577 χ^2 /NDF: 17.7/18

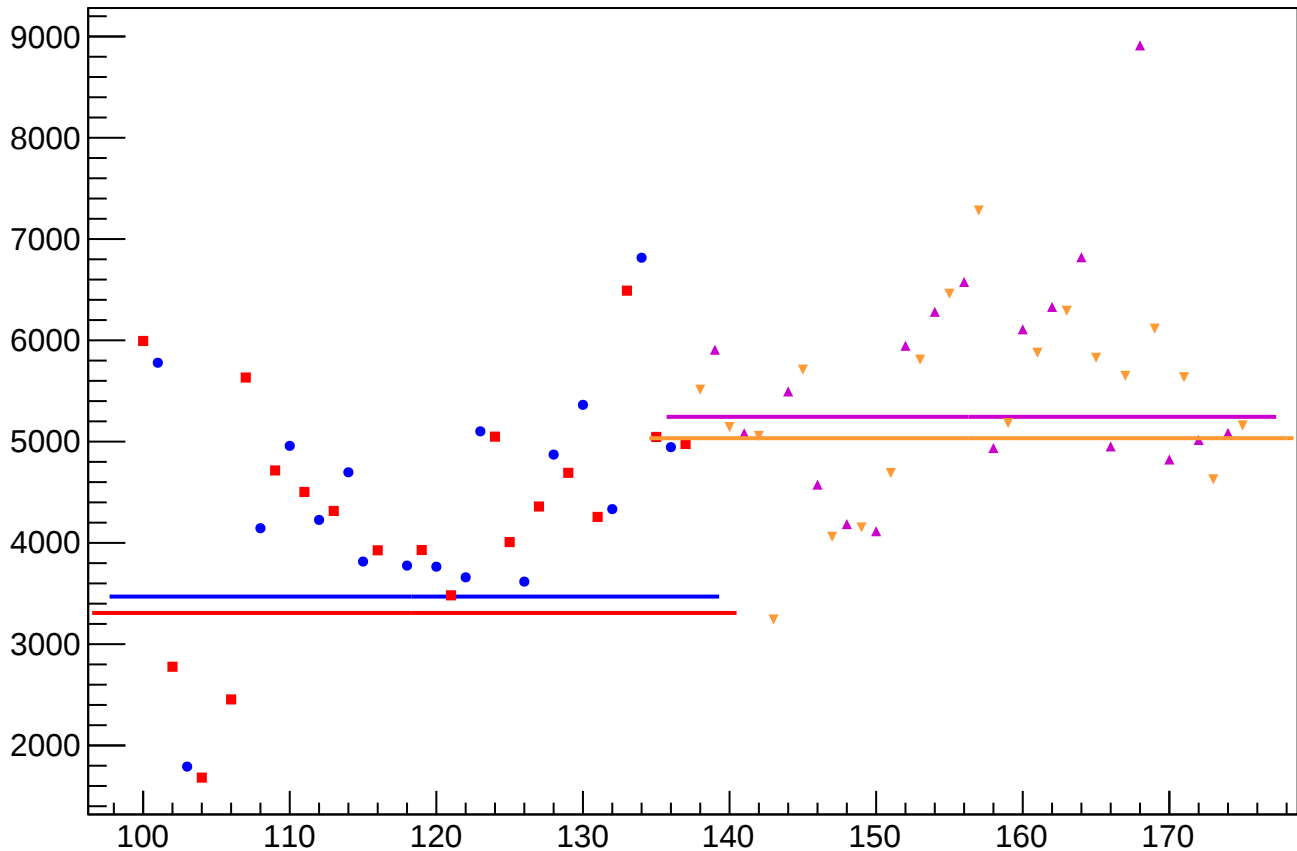
Left In: -2746.141 $\pm$ 1424.796 χ^2 /NDF:12.3/17

+ sign 1885.938 $\pm$ 979.899 χ^2 /NDF: 38.5/36

All: -225.116 $\pm$ 697.080 χ^2 /NDF: 78.0/73

- sign -2387.976 $\pm$ 991.850 χ^2 /NDF: 30.1/36

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 5033.899+/-0.939 χ^2/NDF : 1071638.0/19

Right Out: 3308.243+/-0.968 χ^2/NDF : 1910782.0/18

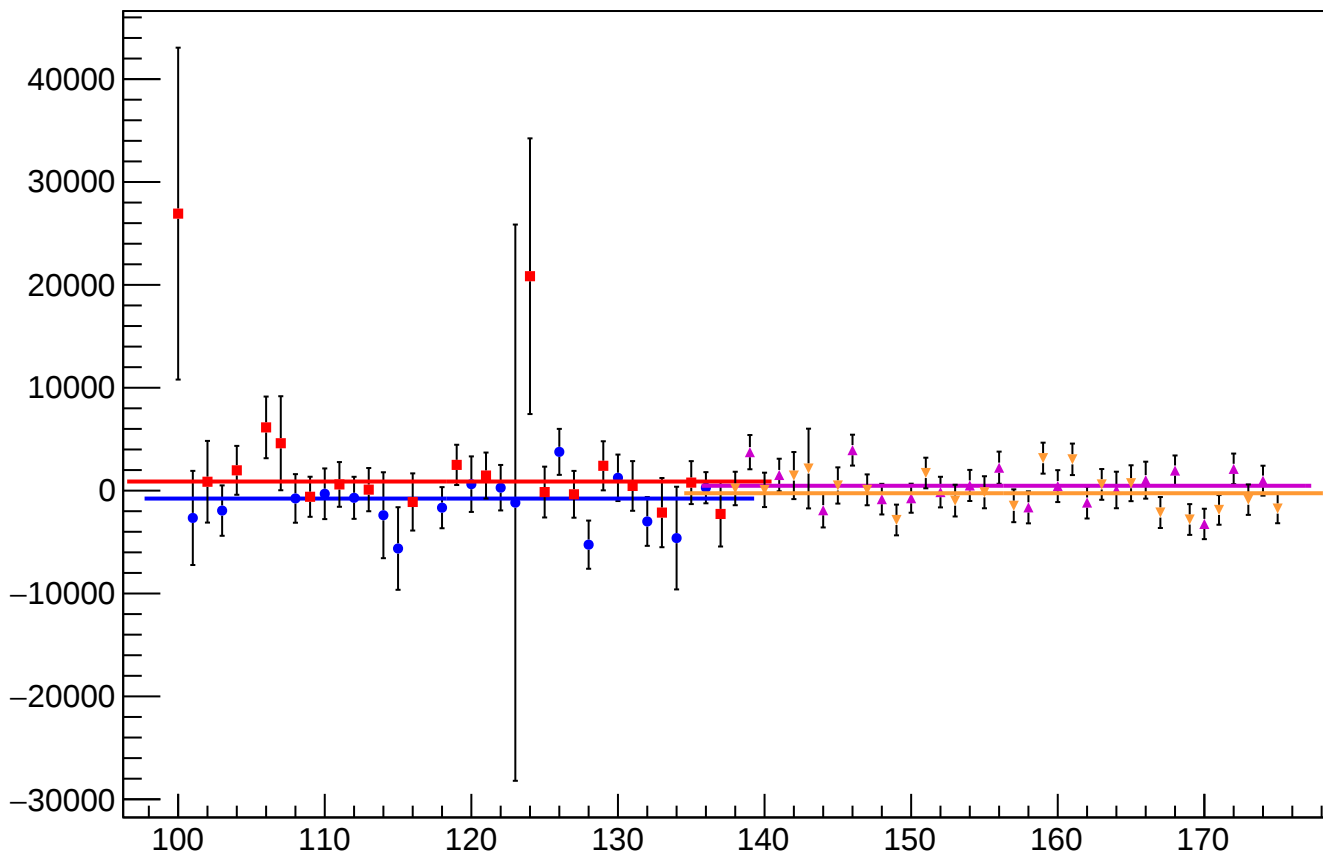
Left In: 5244.432+/-1.007 χ^2/NDF : 870588.9/17

+ sign 4322.285+/-0.693 χ^2/NDF : 4095735.7/36

All: 4280.281+/-0.492 χ^2/NDF : 8804978.1/73

- sign 4237.652+/-0.698 χ^2/NDF : 4701837.7/36

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -252.879+/-356.970 χ^2/NDF : 24.3/19

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

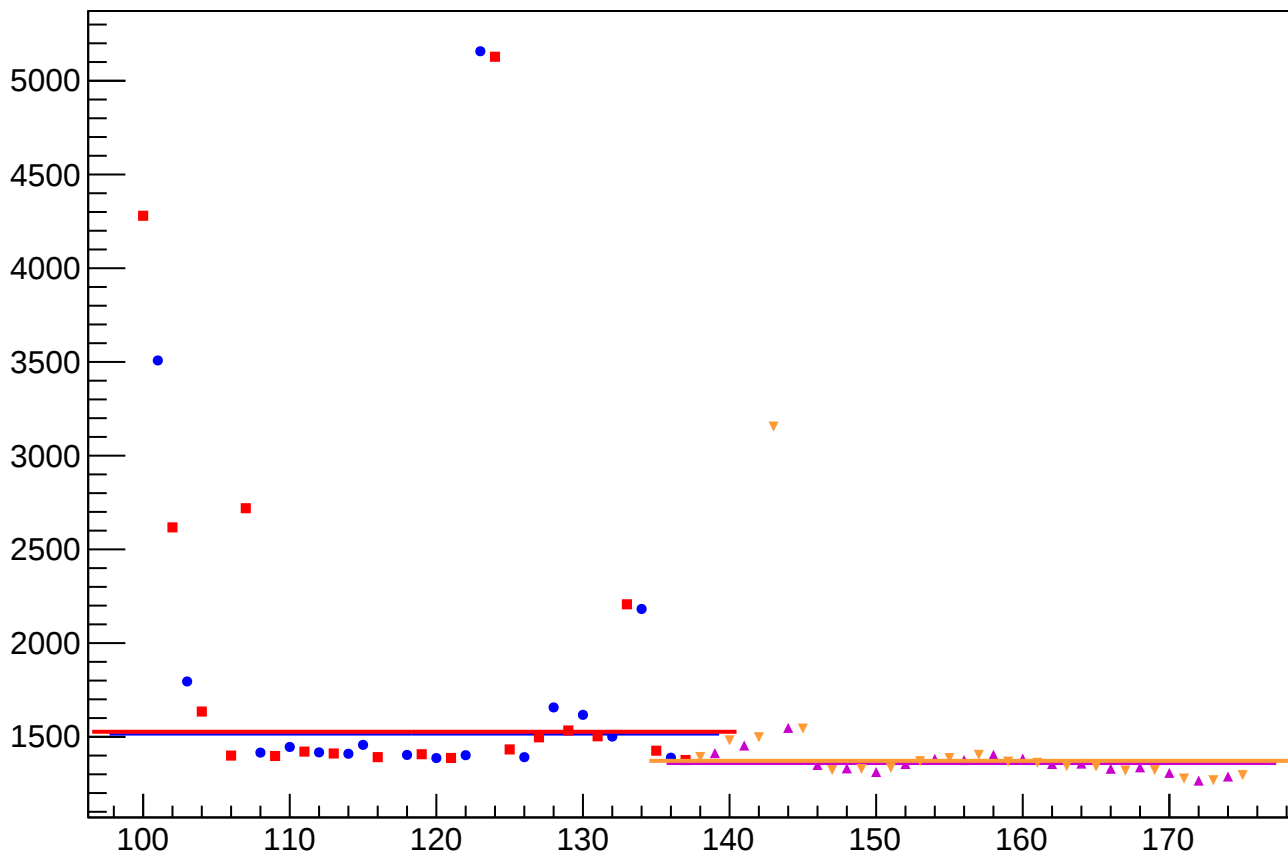
Left In: 471.992+/-364.290 χ^2/NDF : 26.3/17

+ sign -387.147+/-307.271 χ^2/NDF : 38.1/36

All: 93.358+/-218.473 χ^2/NDF : 83.2/73

- sign 584.623+/-310.692 χ^2/NDF : 40.1/36

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1371.901+/-0.252 χ^2/NDF : 493456.7/19

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

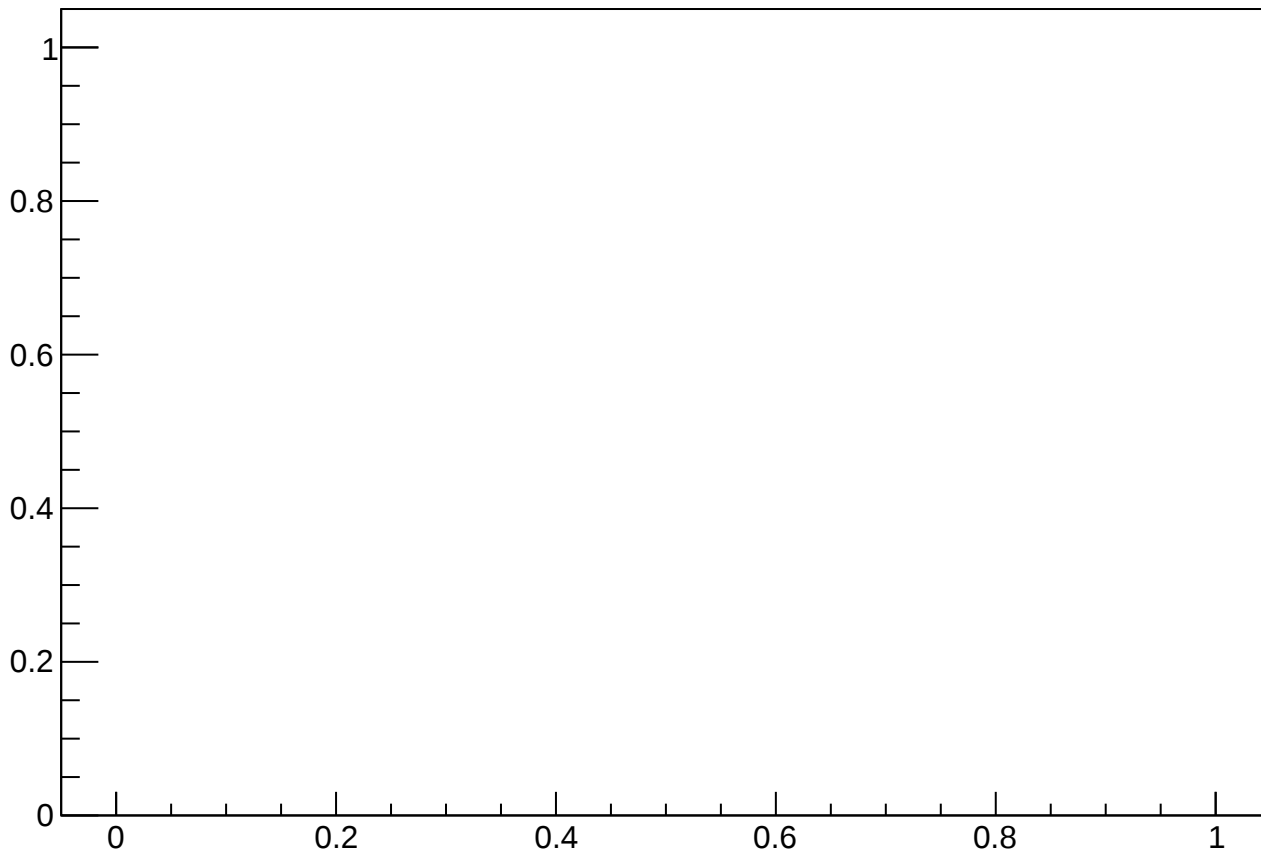
Left In: 1360.234+/-0.258 χ^2/NDF : 56317.4/17

+ sign 1409.579+/-0.217 χ^2/NDF : 1116121.1/36

All: 1407.660+/-0.154 χ^2/NDF : 1918549.9/73

- sign 1405.699+/-0.220 χ^2/NDF : 802271.1/36

asym_atl_avg_atr_avg_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

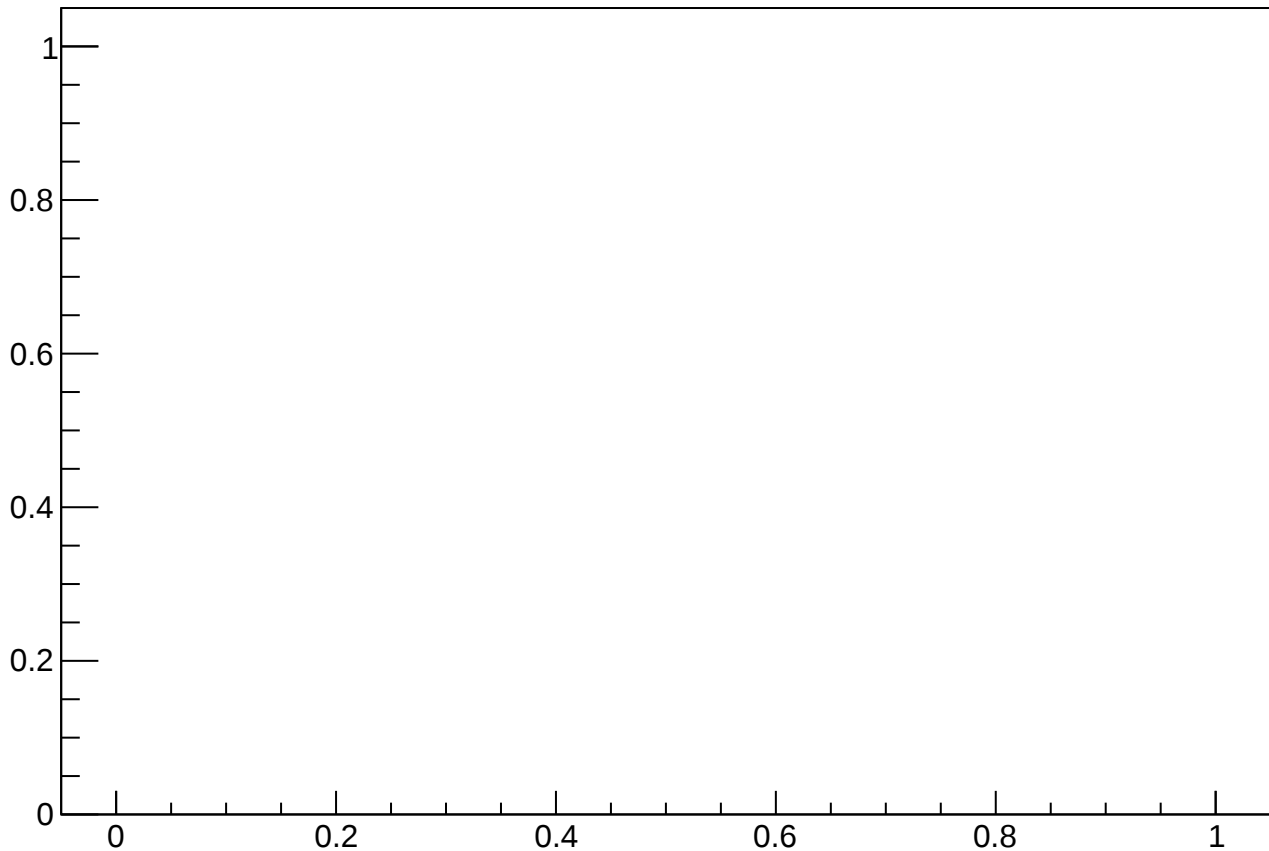
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ 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_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

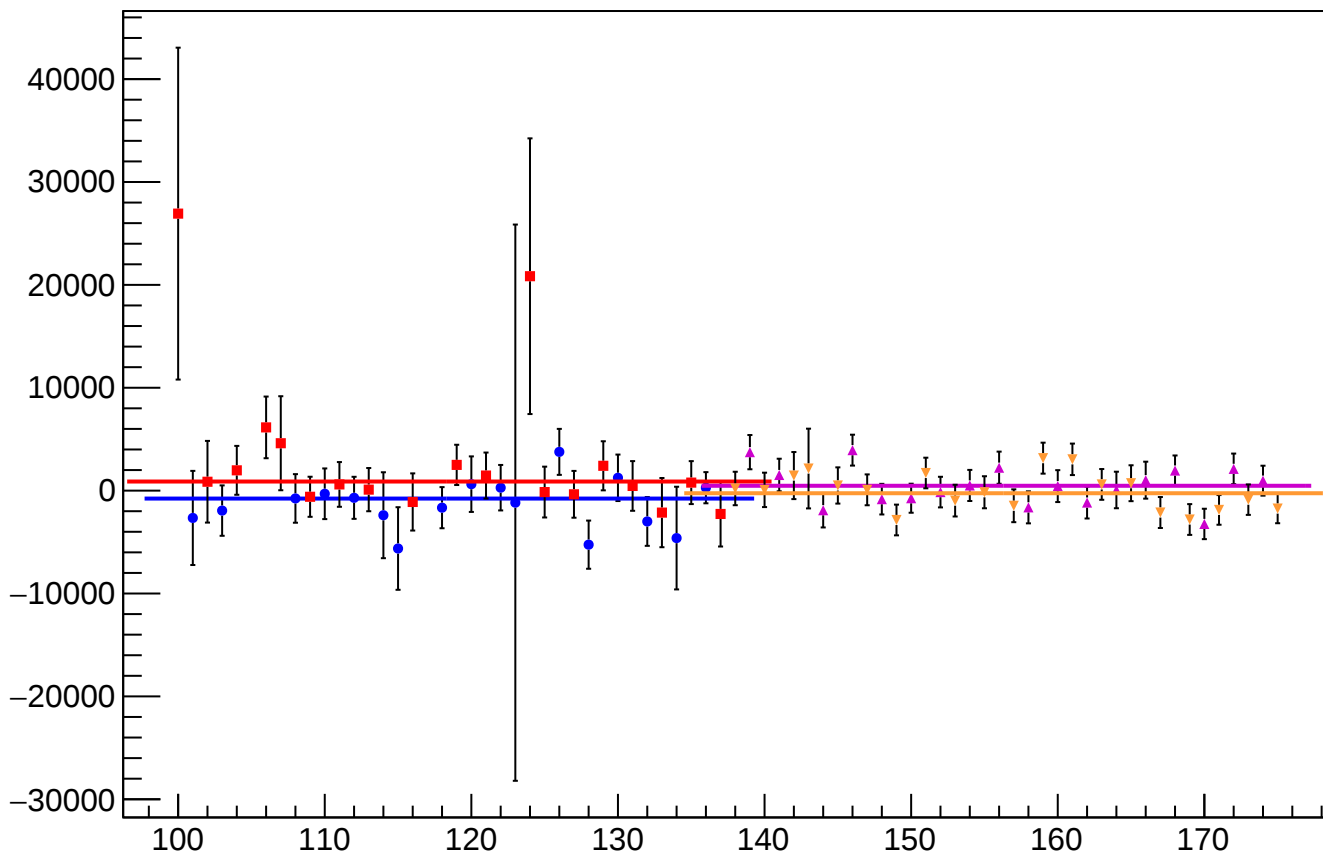
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: -252.879 ± 356.970 χ^2/NDF : 24.3/19

Right Out: 885.145 ± 595.053 χ^2/NDF : 13.5/18

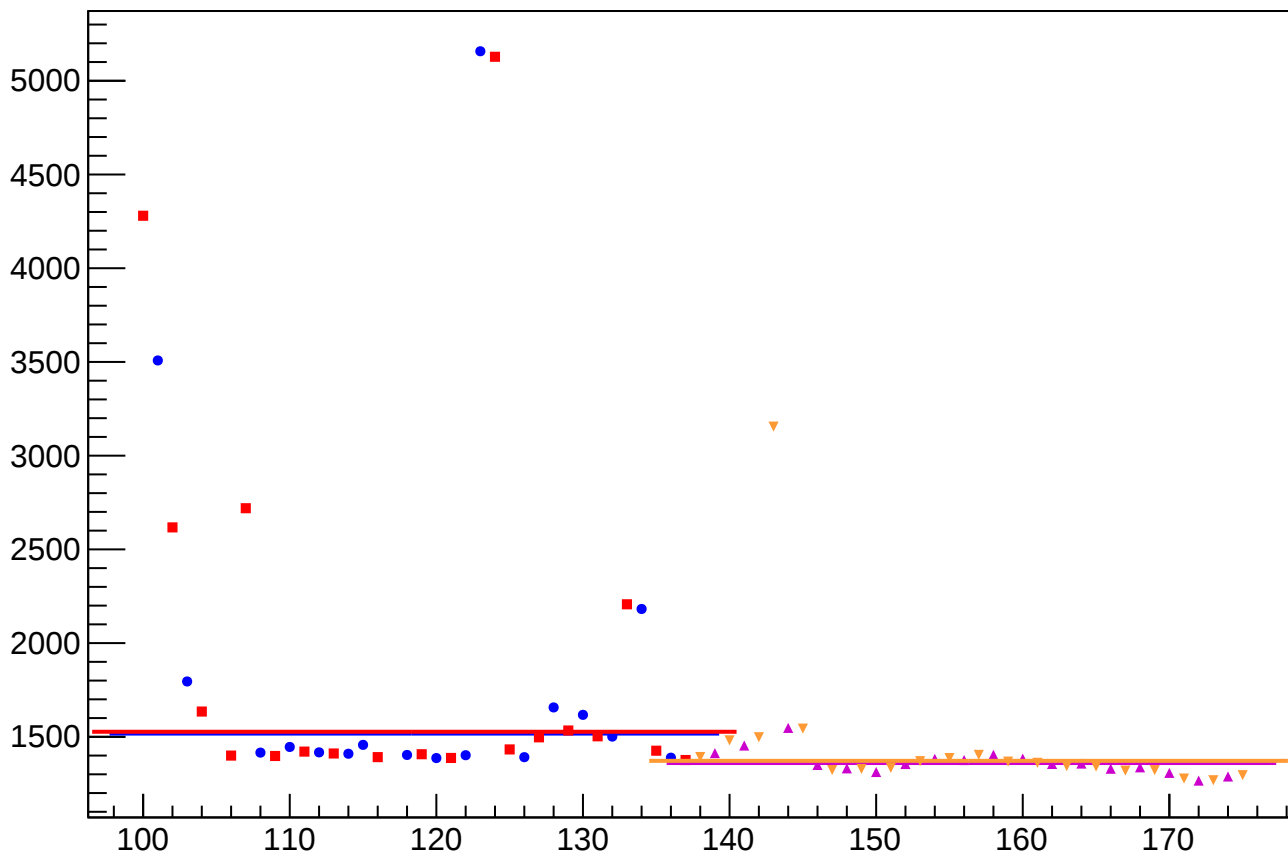
Left In: 471.992 ± 364.290 χ^2/NDF : 26.3/17

+ sign -387.147 ± 307.271 χ^2/NDF : 38.1/36

All: 93.358 ± 218.473 χ^2/NDF : 83.2/73

- sign 584.623 ± 310.692 χ^2/NDF : 40.1/36

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1371.901+/-0.252 χ^2/NDF : 493456.7/19

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

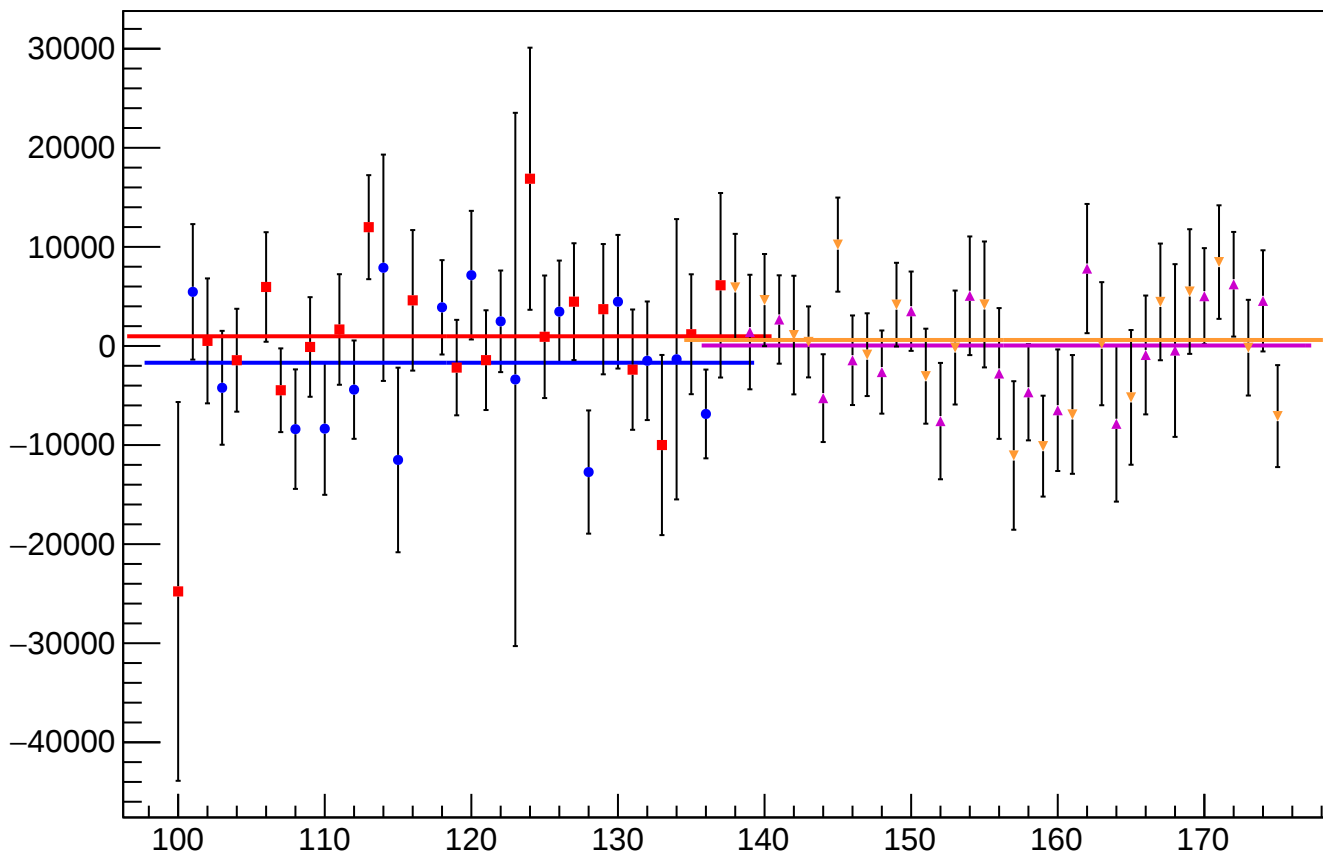
Left In: 1360.234+/-0.258 χ^2/NDF : 56317.4/17

+ sign 1409.579+/-0.217 χ^2/NDF : 1116121.1/36

All: 1407.660+/-0.154 χ^2/NDF : 1918549.9/73

- sign 1405.699+/-0.220 χ^2/NDF : 802271.1/36

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 605.394 ± 1162.851 χ^2/NDF : 21.9/19

Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

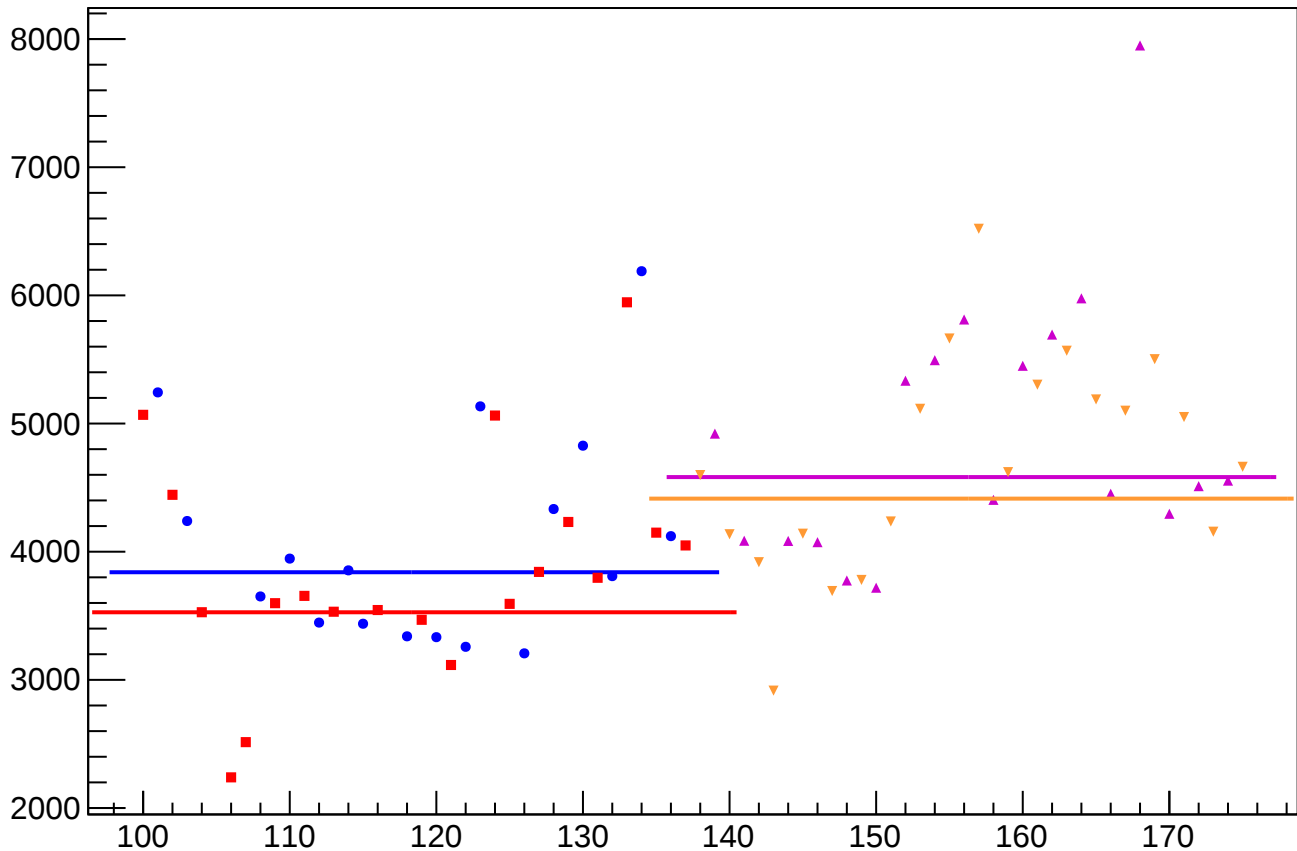
Left In: 48.110 ± 1244.600 χ^2/NDF : 13.4/17

+ sign -248.008 ± 921.982 χ^2/NDF : 39.2/36

All: 108.025 ± 652.616 χ^2/NDF : 67.1/73

- sign 465.541 ± 923.899 χ^2/NDF : 27.6/36

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4414.172+/-0.822 χ^2/NDF : 1016202.0/19

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

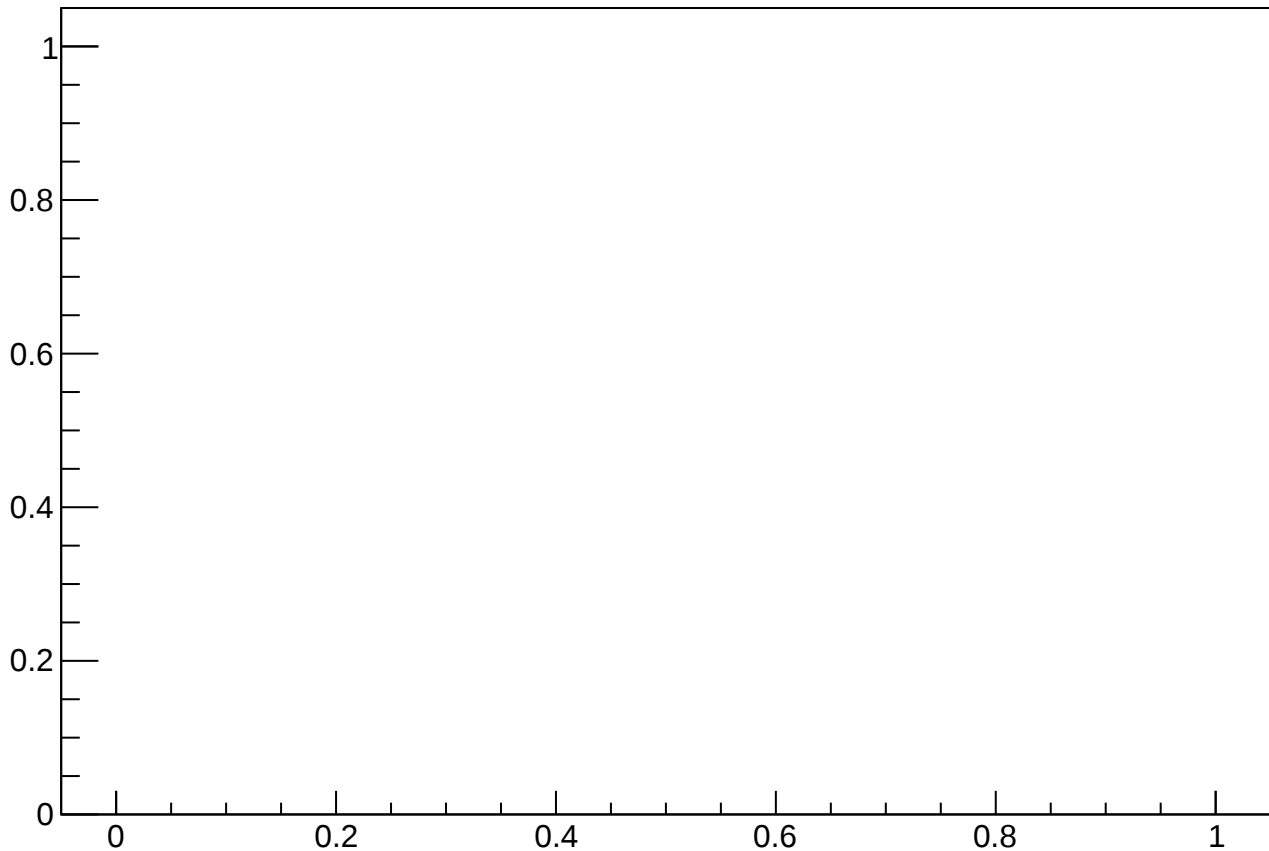
Left In: 4582.272+/-0.880 χ^2/NDF : 868652.2/17

+ sign 4200.843+/-0.652 χ^2/NDF : 1523403.8/36

All: 4152.263+/-0.461 χ^2/NDF : 3609535.1/73

- sign 4103.879+/-0.651 χ^2/NDF : 2075047.9/36

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

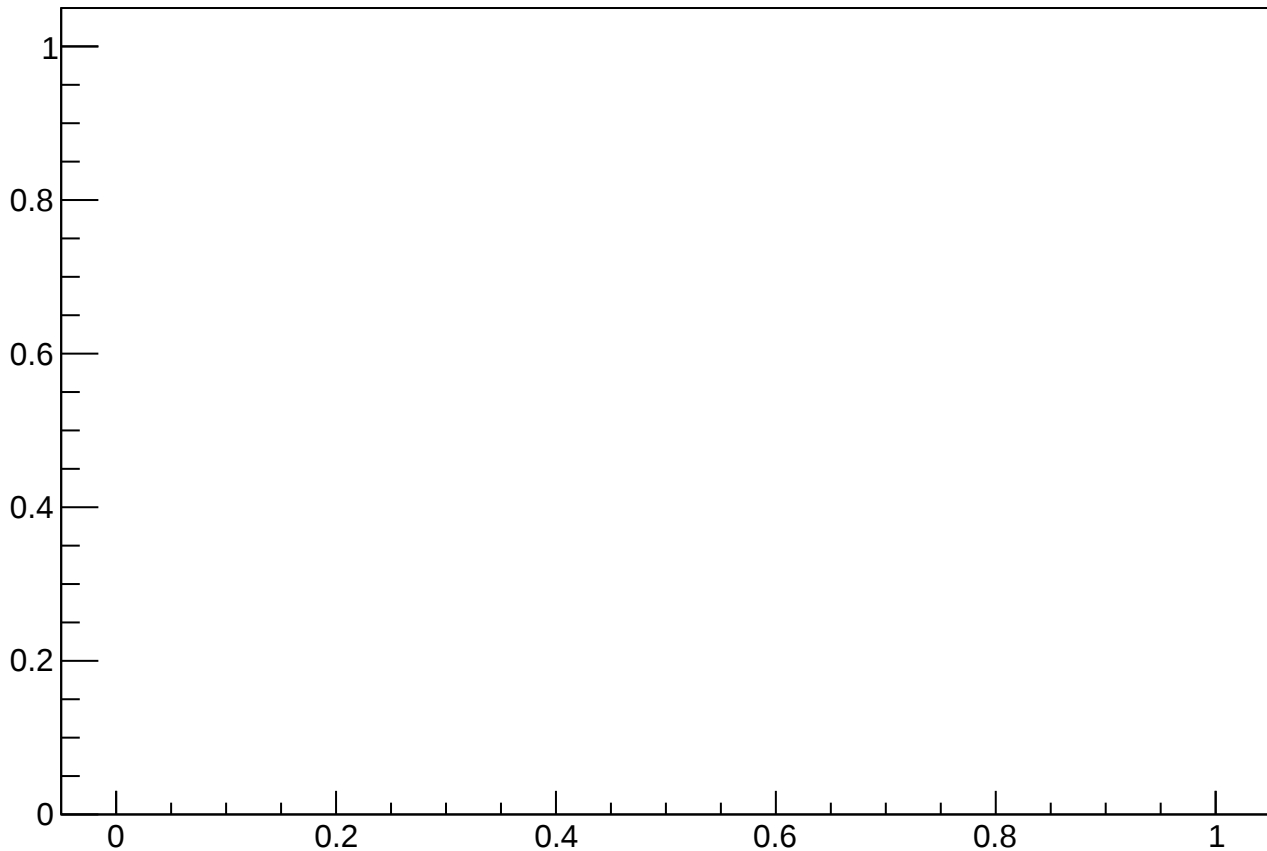
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

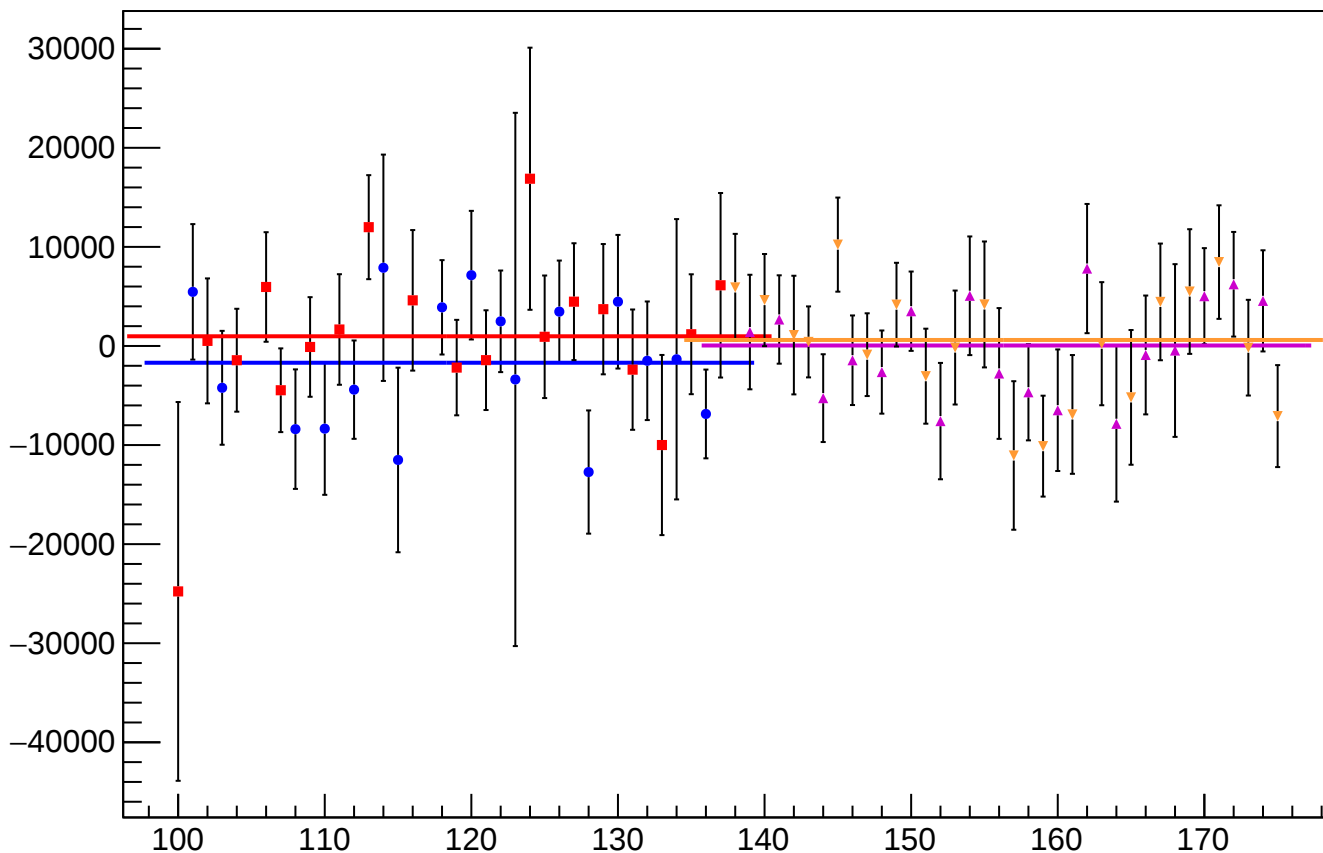
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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: 605.394 ± 1162.851 χ^2/NDF : 21.9/19

Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

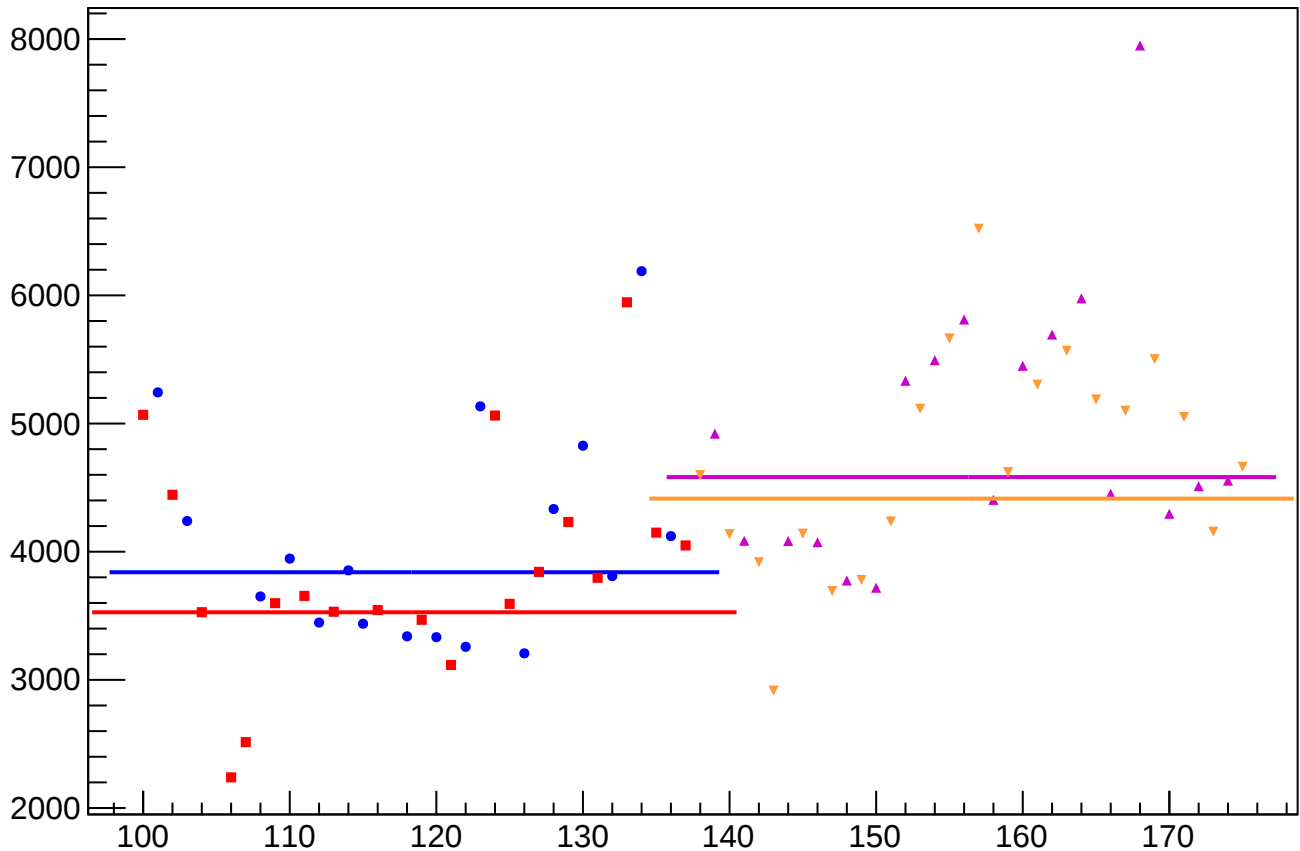
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+ sign -248.008 ± 921.982 χ^2/NDF : 39.2/36

All: 108.025 ± 652.616 χ^2/NDF : 67.1/73

- sign 465.541 ± 923.899 χ^2/NDF : 27.6/36

asym_atl_dd_atr_dd_avg_rms vs Slug



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Left Out: 4414.172+/-0.822 χ^2/NDF : 1016202.0/19

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

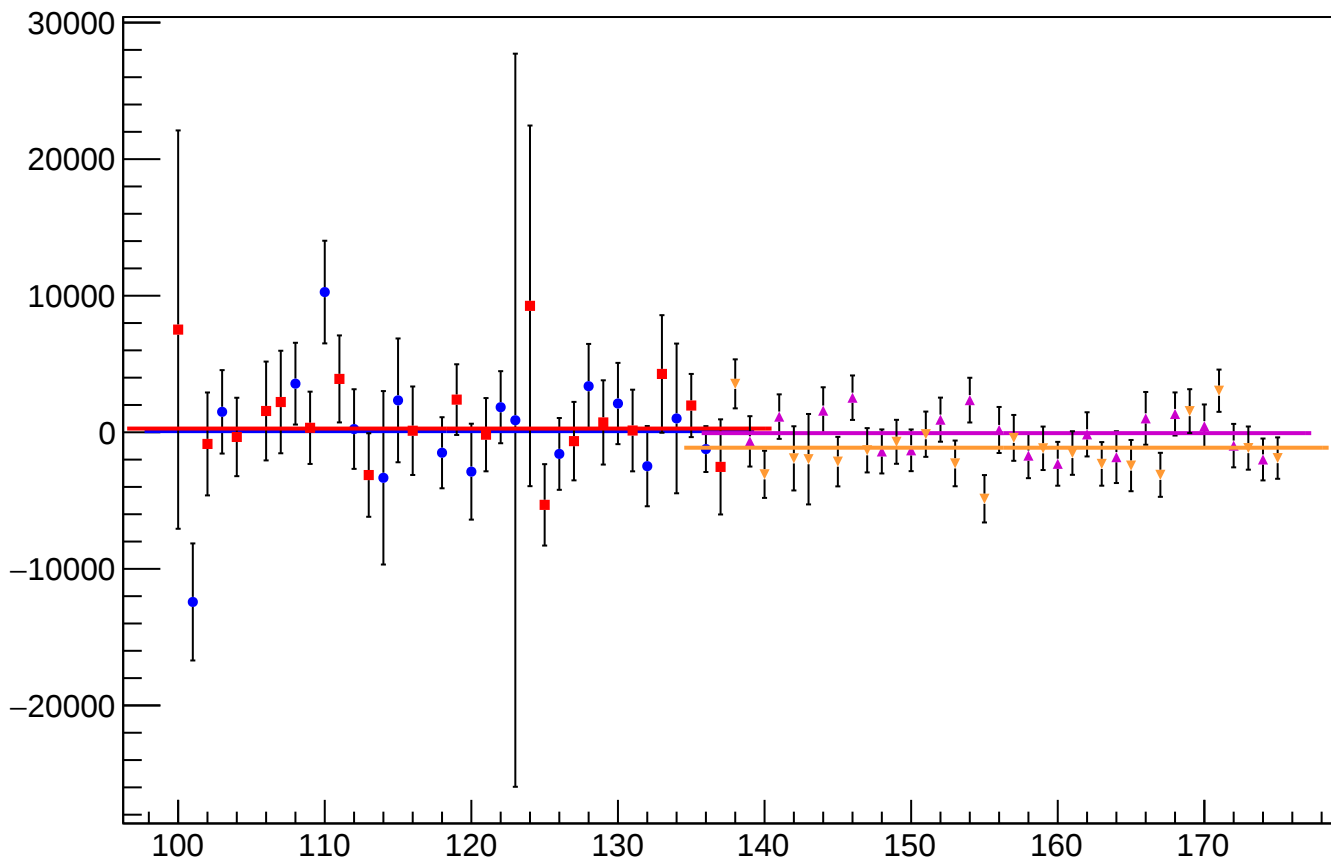
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+ sign 4200.843+/-0.652 χ^2/NDF : 1523403.8/36

All: 4152.263+/-0.461 χ^2/NDF : 3609535.1/73

- sign 4103.879+/-0.651 χ^2/NDF : 2075047.9/36

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1129.102+/-381.077 χ^2/NDF : 27.2/19

Right Out: 272.707+/-734.115 χ^2/NDF : 10.2/18

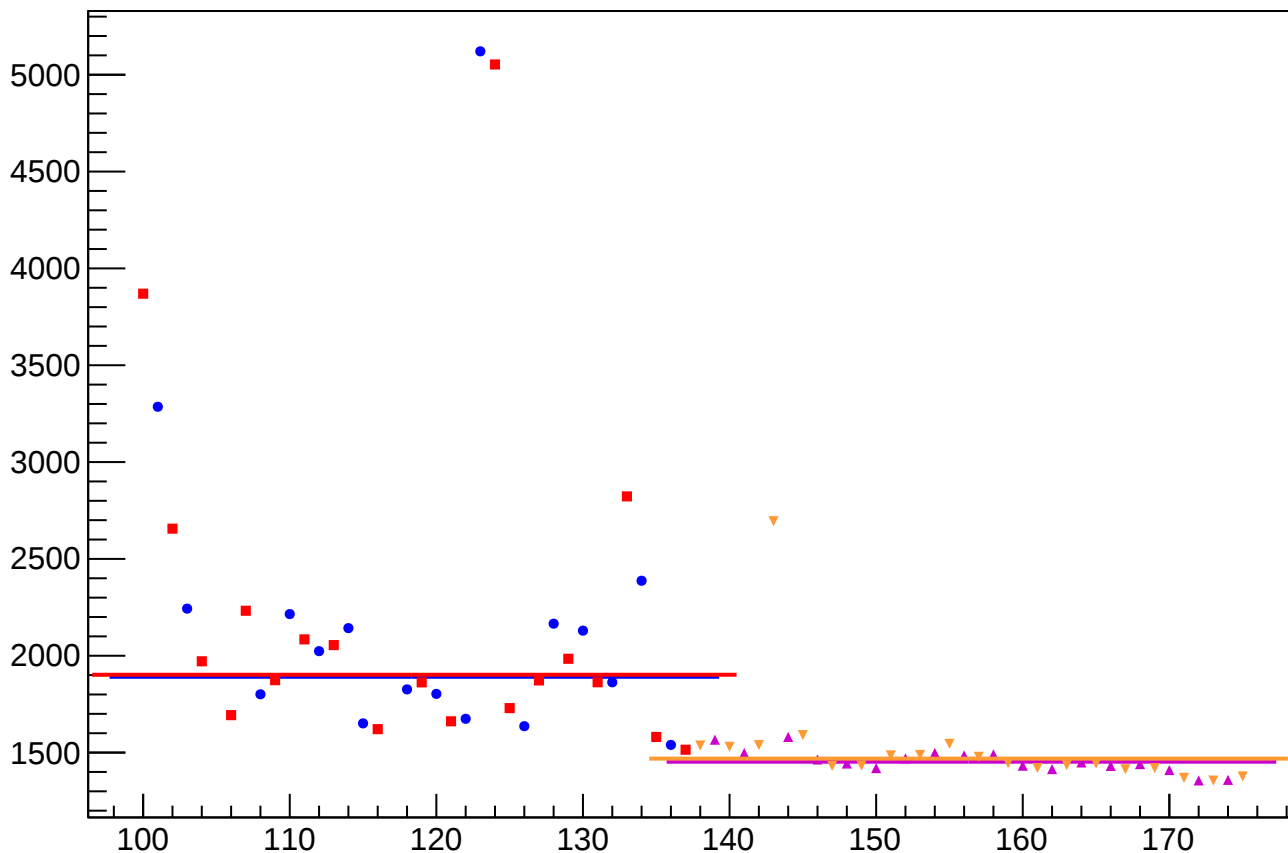
Left In: -61.927+/-388.906 χ^2/NDF : 15.0/17

+ sign -880.499+/-339.788 χ^2/NDF : 52.2/36

All: -439.600+/-241.624 χ^2/NDF : 80.9/73

- sign 11.406+/-343.661 χ^2/NDF : 25.3/36

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1468.844 $\pm$ 0.269 χ^2 /NDF: 330296.7/19

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

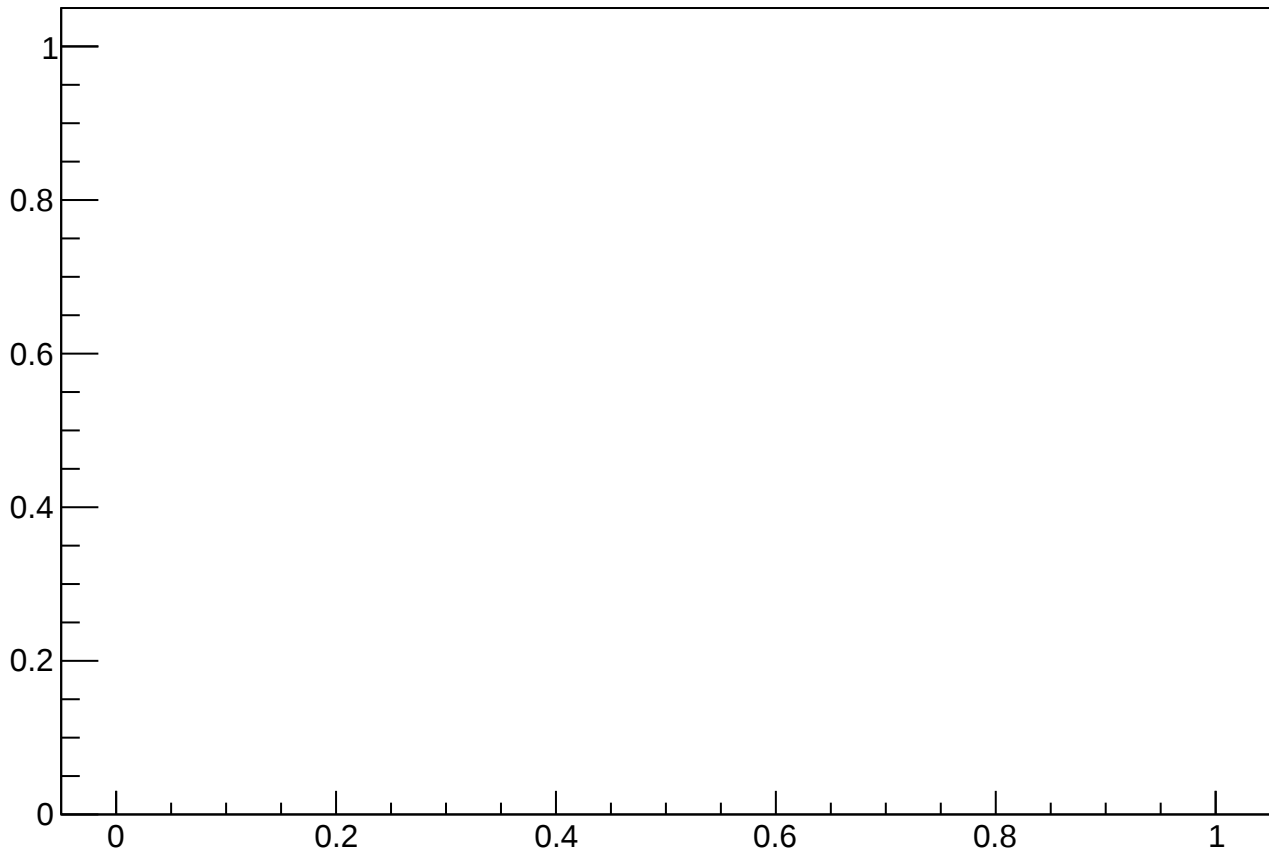
Left In: 1452.896 $\pm$ 0.275 χ^2 /NDF: 43182.5/17

+ sign 1555.469 $\pm$ 0.240 χ^2 /NDF: 1299021.7/36

All: 1553.395 $\pm$ 0.171 χ^2 /NDF: 2387002.6/73

- sign 1551.273 $\pm$ 0.243 χ^2 /NDF: 1087830.1/36

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



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

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

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

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

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

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

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

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



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

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

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

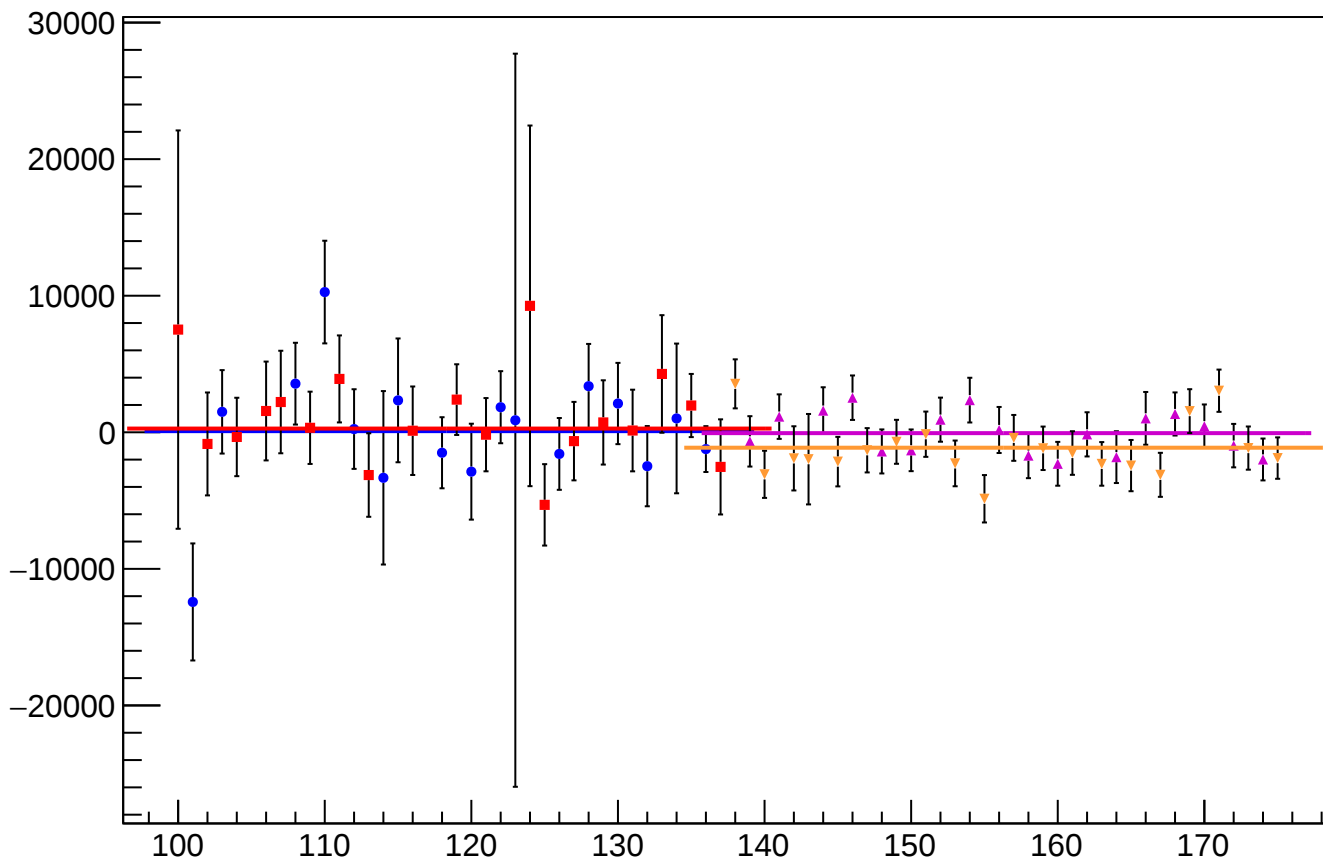
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1129.102+/-381.077 χ^2/NDF : 27.2/19

Right Out: 272.707+/-734.115 χ^2/NDF : 10.2/18

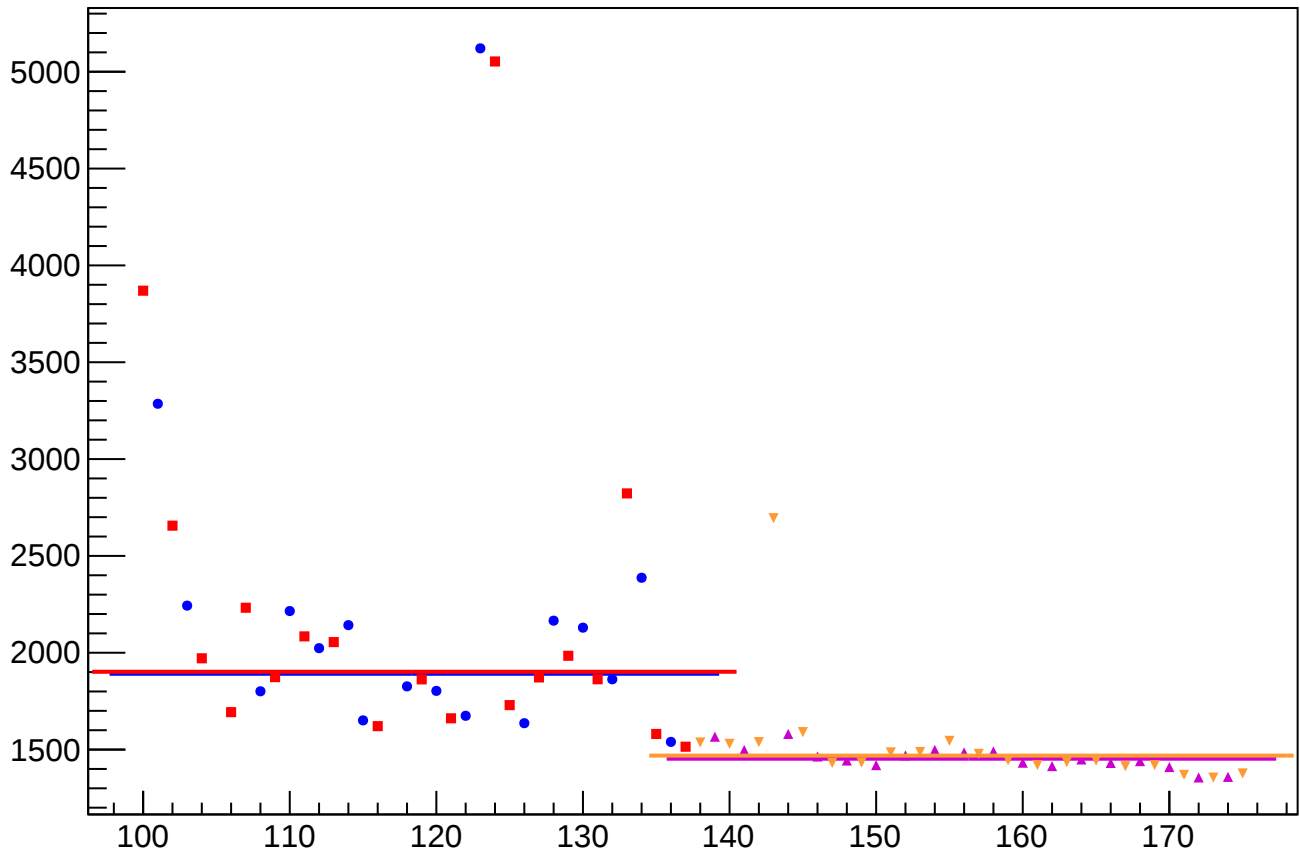
Left In: -61.927+/-388.906 χ^2/NDF : 15.0/17

+ sign -880.499+/-339.788 χ^2/NDF : 52.2/36

All: -439.600+/-241.624 χ^2/NDF : 80.9/73

- sign 11.406+/-343.661 χ^2/NDF : 25.3/36

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1468.844 $\pm$ 0.269 χ^2 /NDF: 330296.7/19

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

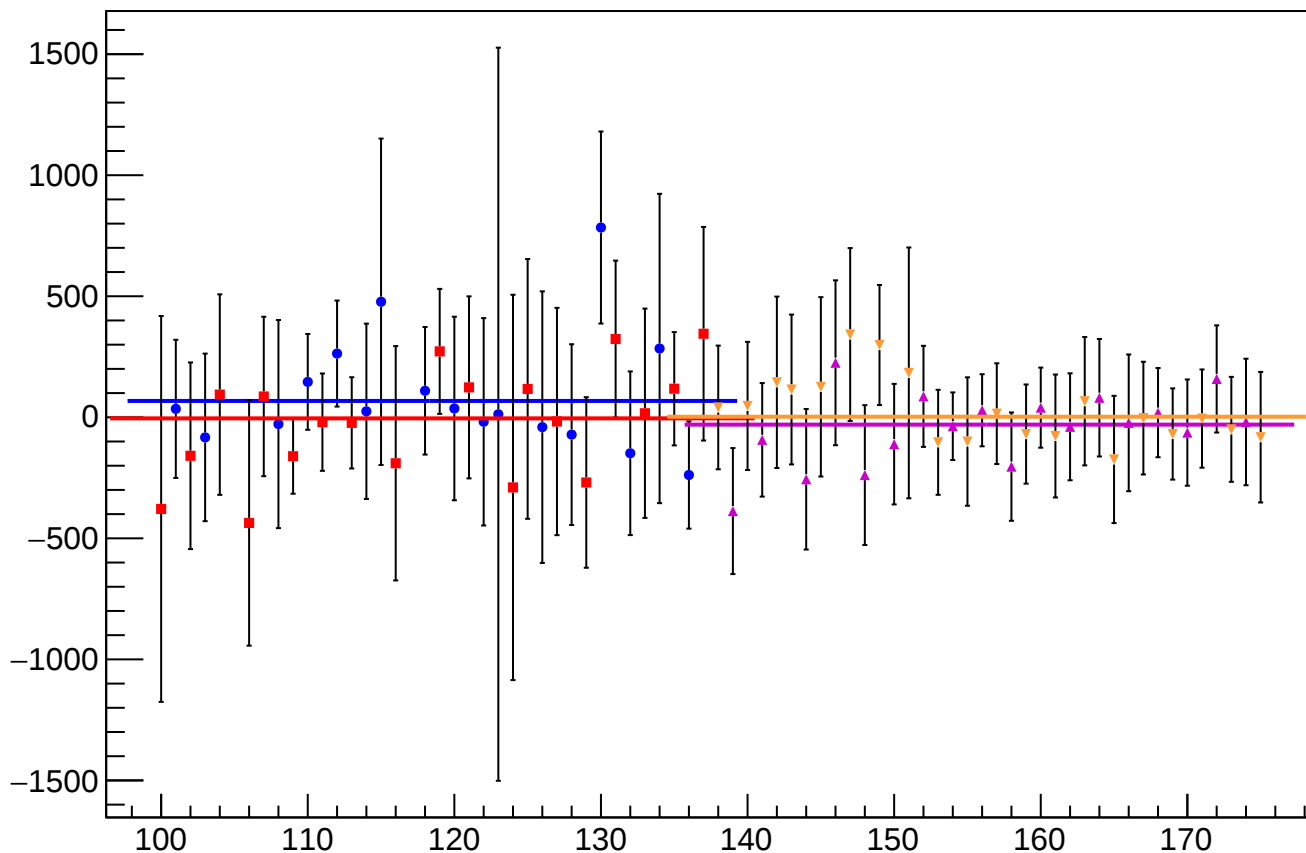
Left In: 1452.896 $\pm$ 0.275 χ^2 /NDF: 43182.5/17

+ sign 1555.469 $\pm$ 0.240 χ^2 /NDF: 1299021.7/36

All: 1553.395 $\pm$ 0.171 χ^2 /NDF: 2387002.6/73

- sign 1551.273 $\pm$ 0.243 χ^2 /NDF: 1087830.1/36

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: 2.404+/-56.286 χ^2/NDF : 4.3/19

Right Out: -4.423+/-70.009 χ^2/NDF : 6.4/18

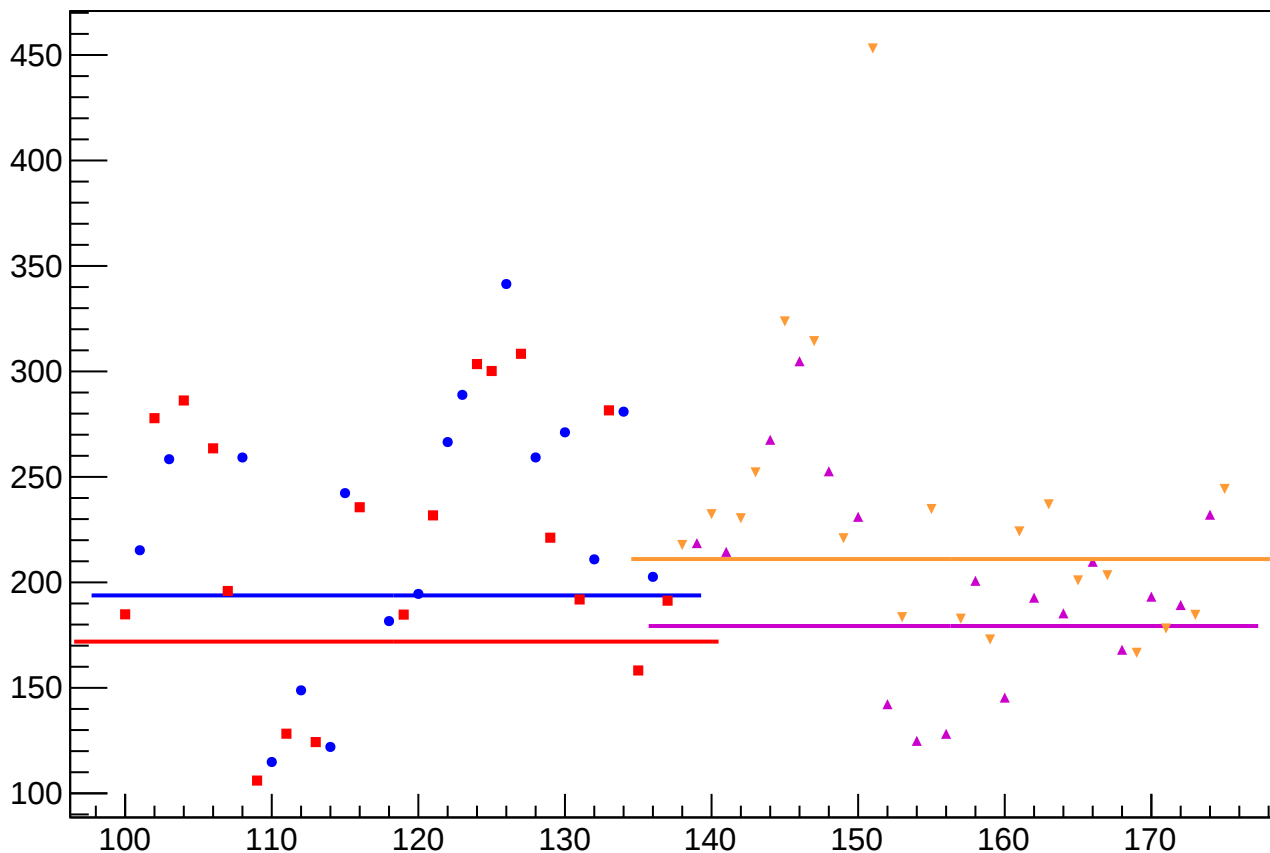
Left In: -30.251+/-50.464 χ^2/NDF : 6.0/17

+ sign 24.114+/-45.959 χ^2/NDF : 12.3/36

All: -1.275+/-30.569 χ^2/NDF : 25.3/73

- sign -21.419+/-40.938 χ^2/NDF : 12.5/36

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 211.063 $\pm$ 0.040 χ^2 /NDF:1255473.0/19

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

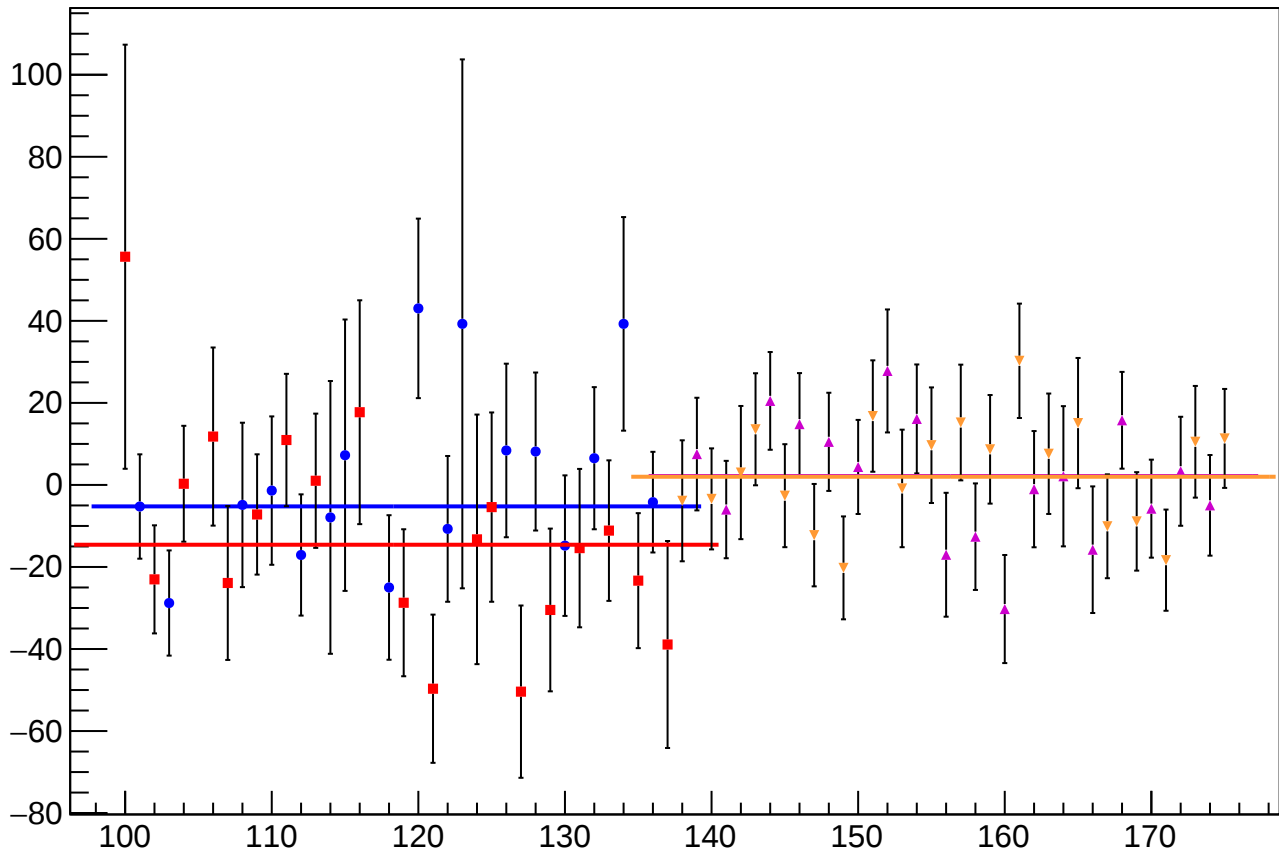
Left In: 179.316 $\pm$ 0.036 χ^2 /NDF:1600789.7/17

+ sign 205.314 $\pm$ 0.032 χ^2 /NDF: 2328389.4/36

All: 189.408 $\pm$ 0.022 χ^2 /NDF: 5950598.9/73

- sign 176.787 $\pm$ 0.029 χ^2 /NDF: 3192556.2/36

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: 1.998 ± 2.998 χ^2/NDF : 18.7/19

Right Out: -14.579 ± 4.265 χ^2/NDF : 19.5/18

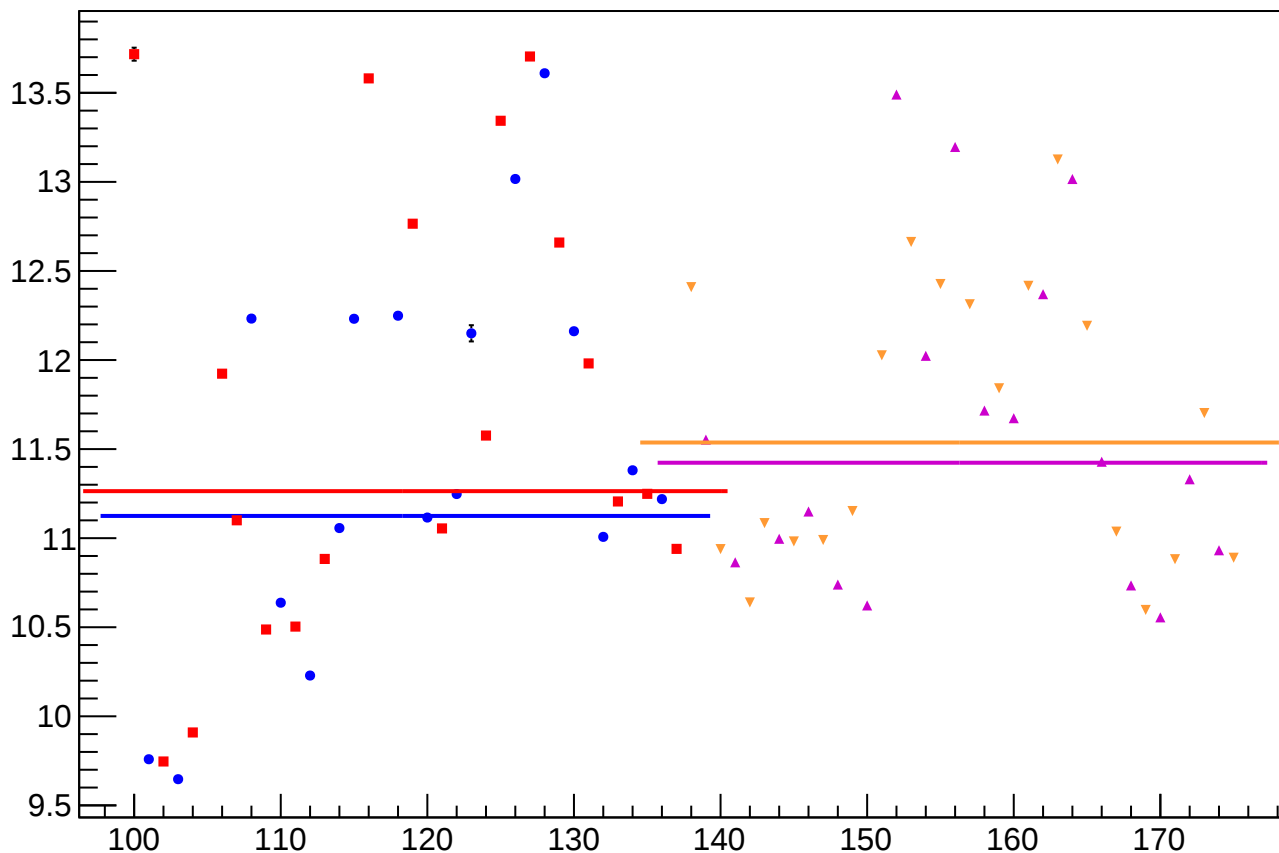
Left In: 2.173 ± 3.074 χ^2/NDF : 21.1/17

+ sign -0.325 ± 2.469 χ^2/NDF : 36.1/36

All: -1.924 ± 1.755 χ^2/NDF : 87.6/73

- sign -3.555 ± 2.494 χ^2/NDF : 50.7/36

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: 11.537 $\pm$ 0.002 χ^2 /NDF: 121564.2/19

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

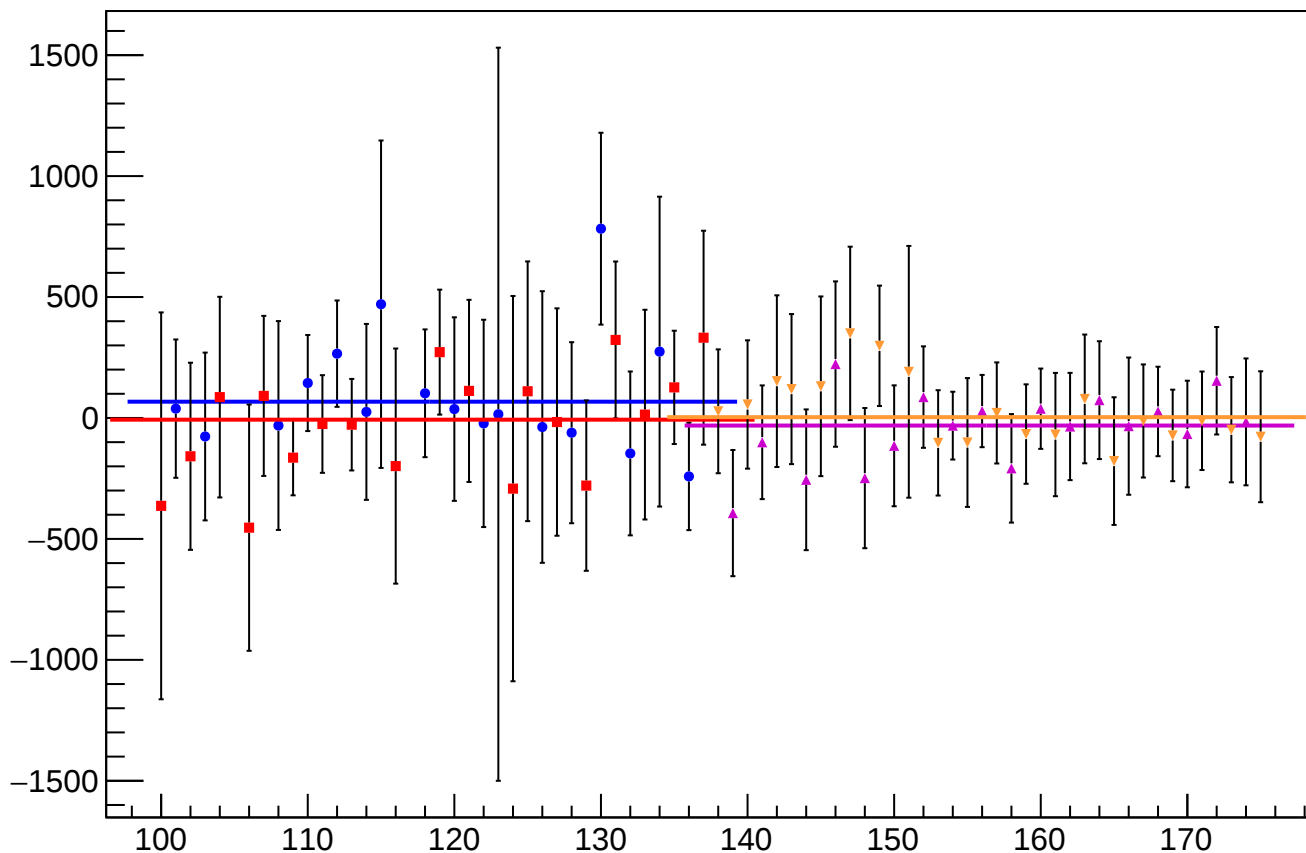
Left In: 11.423 $\pm$ 0.002 χ^2 /NDF: 142809.7/17

+ sign 11.405 $\pm$ 0.002 χ^2 /NDF: 266236.4/36

All: 11.387 $\pm$ 0.001 χ^2 /NDF: 558825.8/73

- sign 11.369 $\pm$ 0.002 χ^2 /NDF: 292383.3/36

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: 3.317+/-56.484 χ^2/NDF : 4.4/19

Right Out: -7.039+/-70.212 χ^2/NDF : 6.4/18

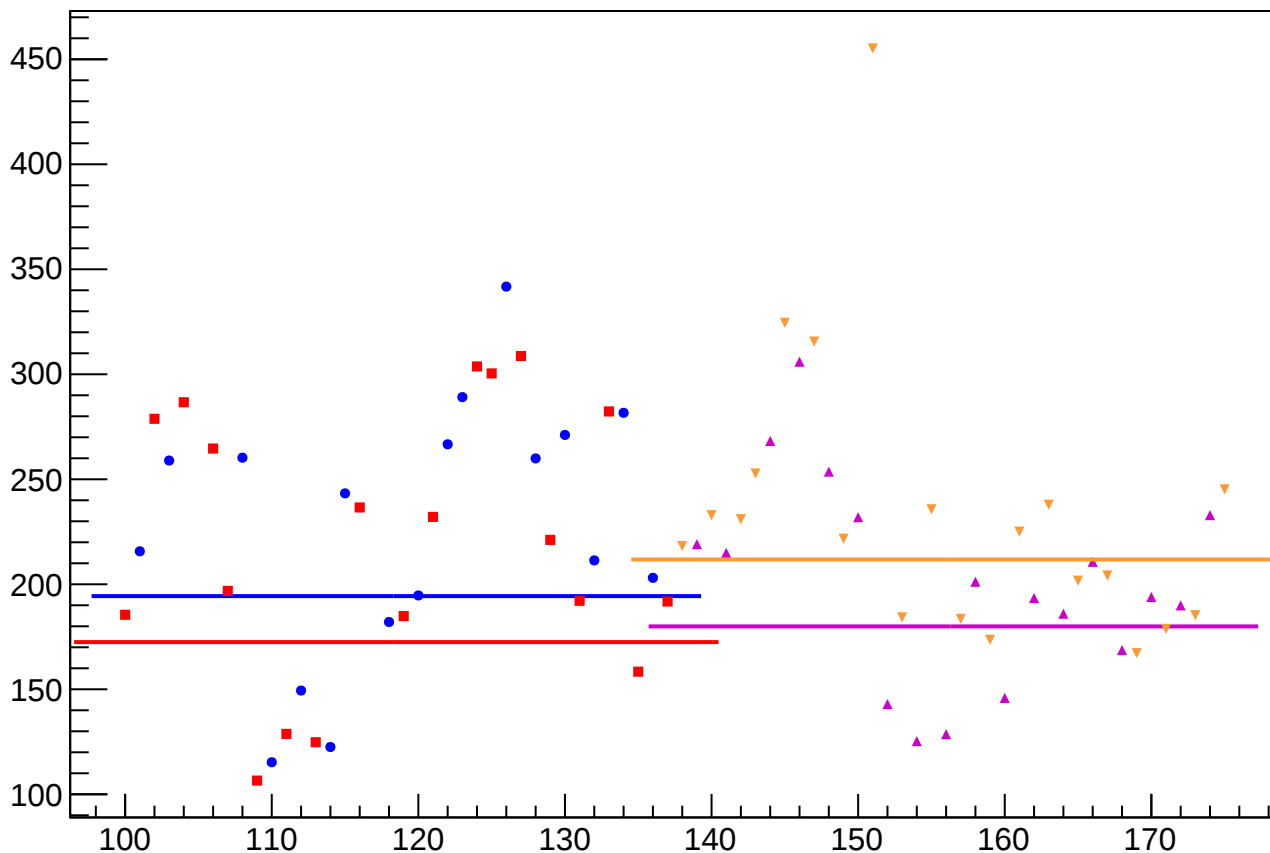
Left In: -31.315+/-50.639 χ^2/NDF : 6.1/17

+ sign 24.669+/-46.107 χ^2/NDF : 12.3/36

All: -1.914+/-30.668 χ^2/NDF : 25.6/73

- sign -23.008+/-41.072 χ^2/NDF : 12.6/36

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365 ± 0.056 χ^2/NDF : 1005234.4/16

Left Out: 211.808 ± 0.040 χ^2/NDF : 1254517.6/19

Right Out: 172.471 ± 0.050 χ^2/NDF : 1569648.4/18

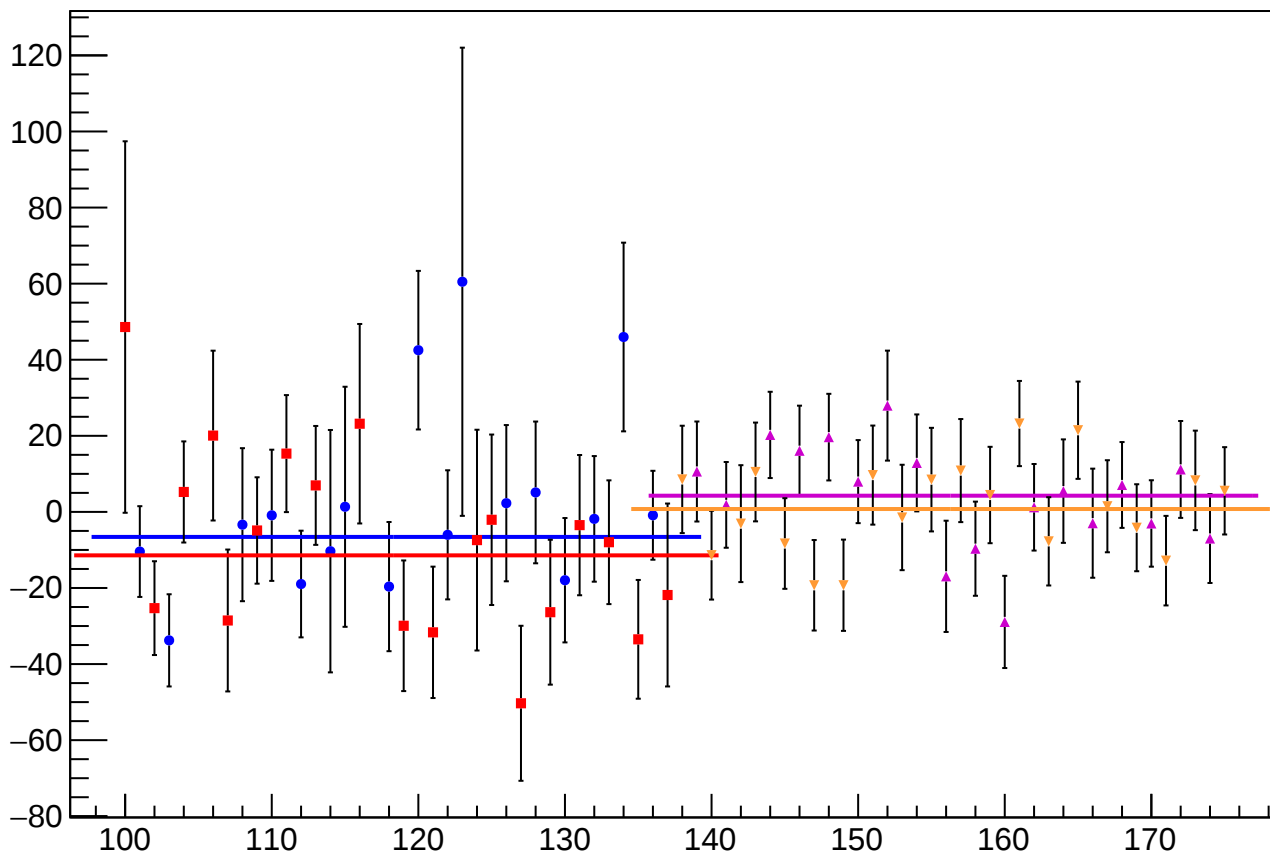
Left In: 179.943 ± 0.036 χ^2/NDF : 1599001.8/17

+ sign 205.988 ± 0.033 χ^2/NDF : 2323394.2/36

All: 190.040 ± 0.022 χ^2/NDF : 5936046.7/73

- sign 177.386 ± 0.029 χ^2/NDF : 3183548.2/36

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: 0.758 ± 2.790 χ^2/NDF : 18.9/19

Right Out: -11.423 ± 4.080 χ^2/NDF : 23.0/18

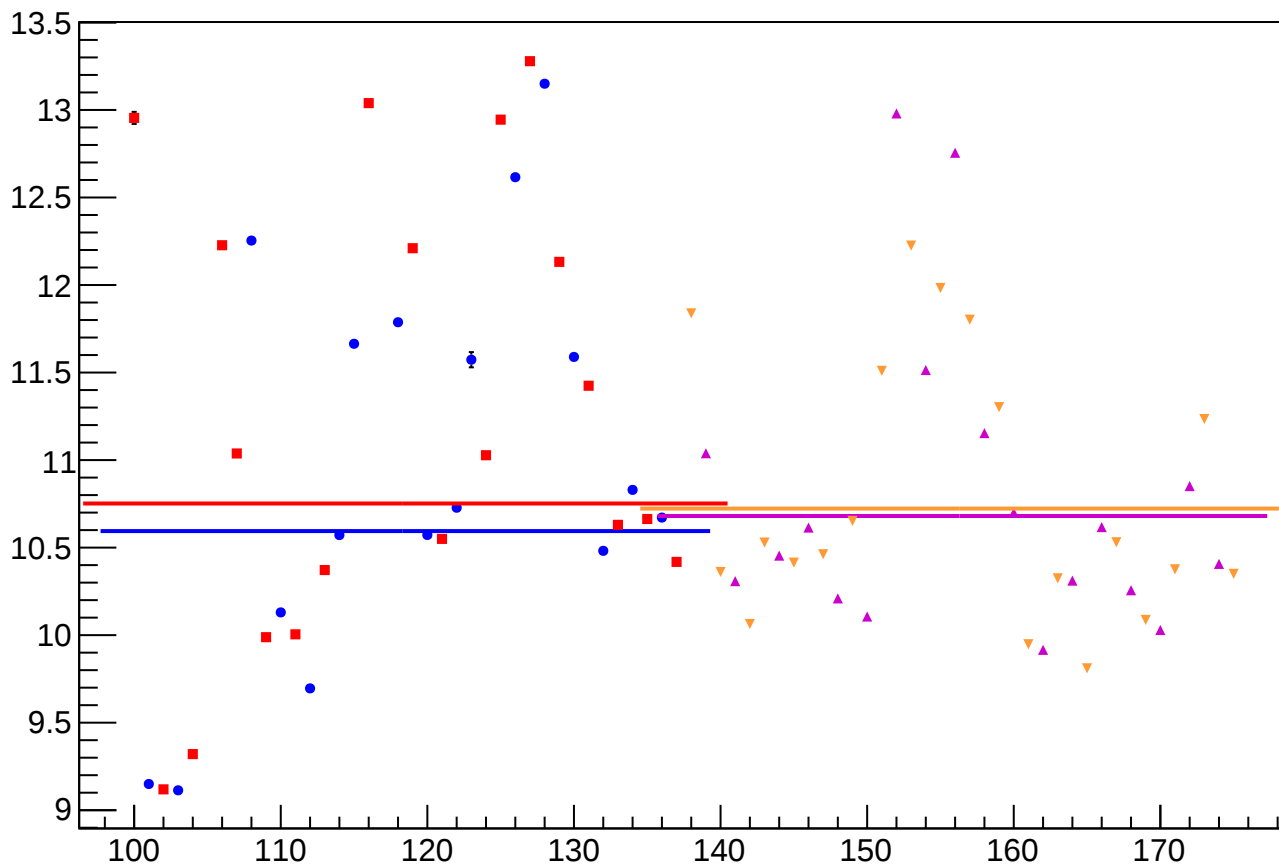
Left In: 4.259 ± 2.878 χ^2/NDF : 21.2/17

+ sign -1.520 ± 2.317 χ^2/NDF : 40.4/36

All: -1.241 ± 1.650 χ^2/NDF : 94.5/73

- sign -0.953 ± 2.352 χ^2/NDF : 54.1/36

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.723 $\pm$ 0.002 χ^2 /NDF:121480.9/19

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

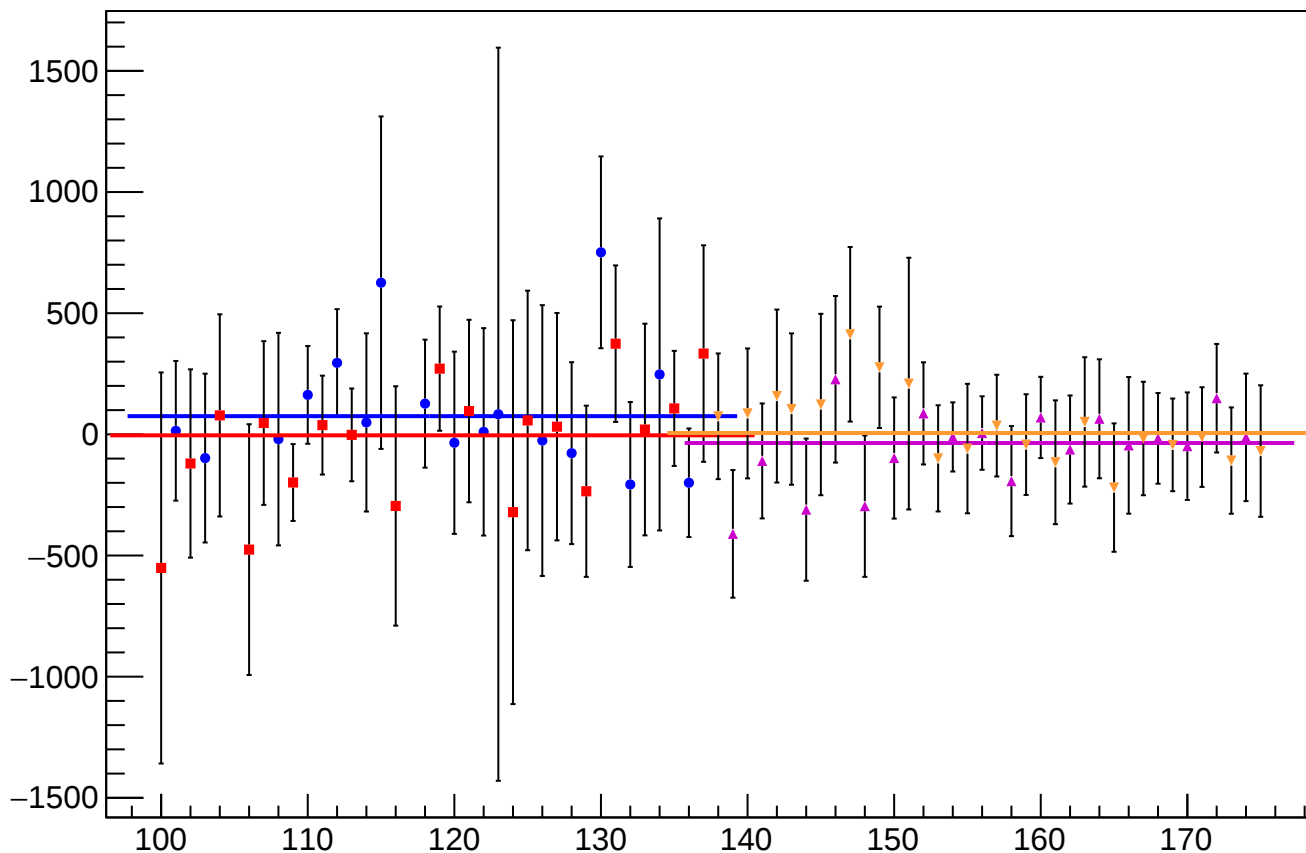
Left In: 10.681 $\pm$ 0.002 χ^2 /NDF:137261.1/17

+ sign 10.683 $\pm$ 0.002 χ^2 /NDF: 282857.9/36

All: 10.694 $\pm$ 0.001 χ^2 /NDF: 597784.6/73

- sign 10.704 $\pm$ 0.002 χ^2 /NDF: 314844.1/36

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: 5.506 $\pm$ 56.867 χ^2 /NDF: 4.9/19

Right Out: -3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

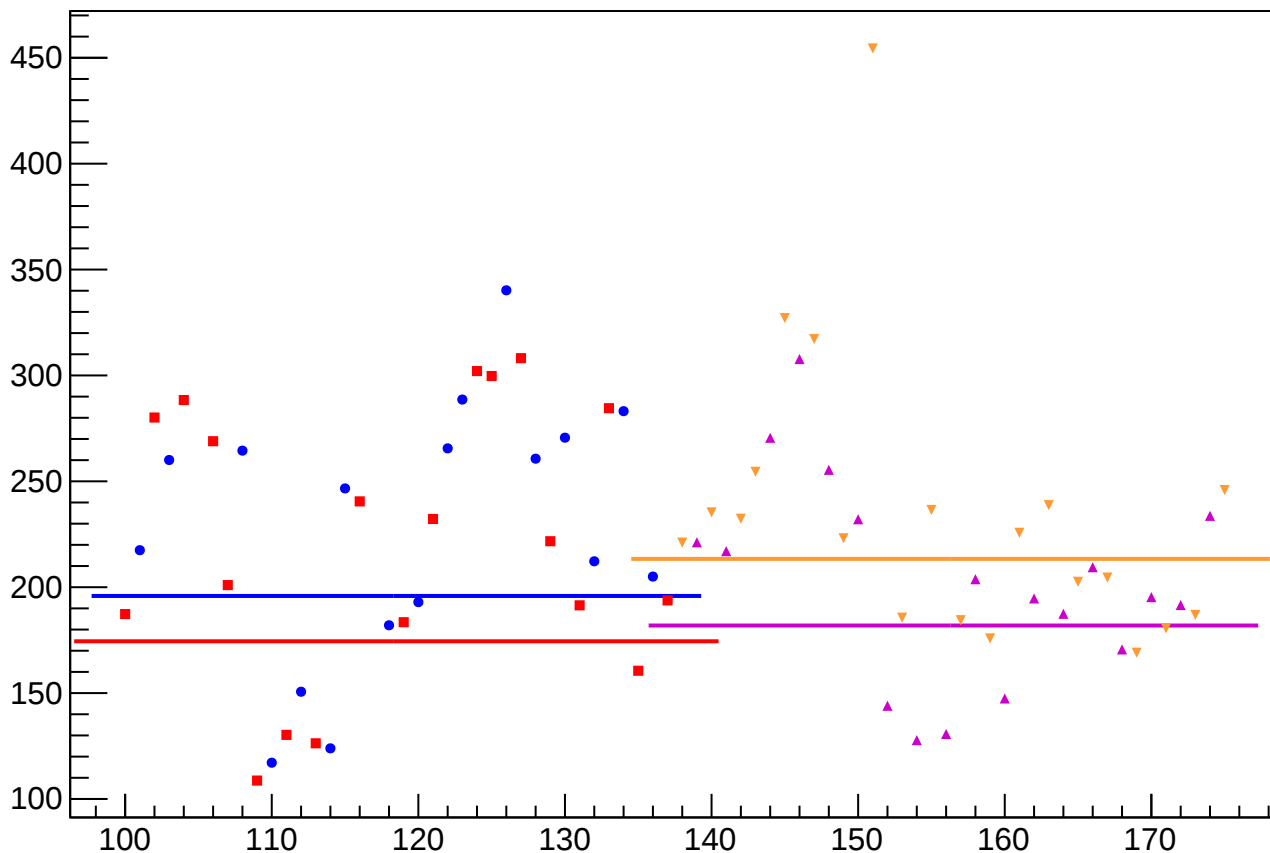
Left In: -35.612 $\pm$ 51.127 χ^2 /NDF: 6.6/17

+ sign 28.726 $\pm$ 46.418 χ^2 /NDF: 13.1/36

All: -1.040 $\pm$ 30.924 χ^2 /NDF: 27.9/73

- sign -24.794 $\pm$ 41.466 χ^2 /NDF: 14.1/36

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: 213.384 $\pm$ 0.040 χ^2 /NDF:1235280.9/19

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

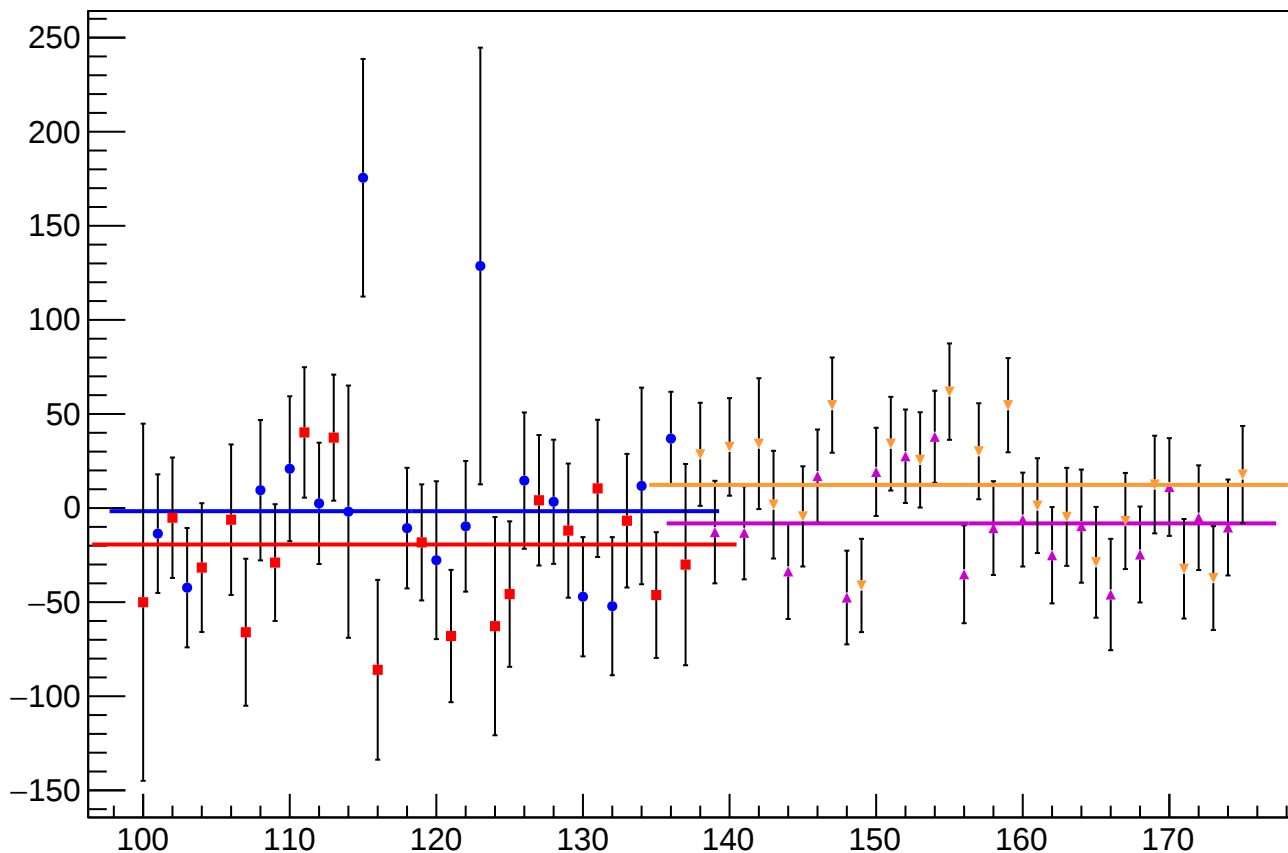
Left In: 181.908 $\pm$ 0.036 χ^2 /NDF:1552282.0/17

+ sign 207.539 $\pm$ 0.033 χ^2 /NDF: 2277845.1/36

All: 191.867 $\pm$ 0.022 χ^2 /NDF: 5783305.2/73

- sign 179.361 $\pm$ 0.029 χ^2 /NDF: 3095565.3/36

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 12.302 ± 5.896 χ^2/NDF : 26.7/19

Right Out: -19.357 ± 8.556 χ^2/NDF : 14.8/18

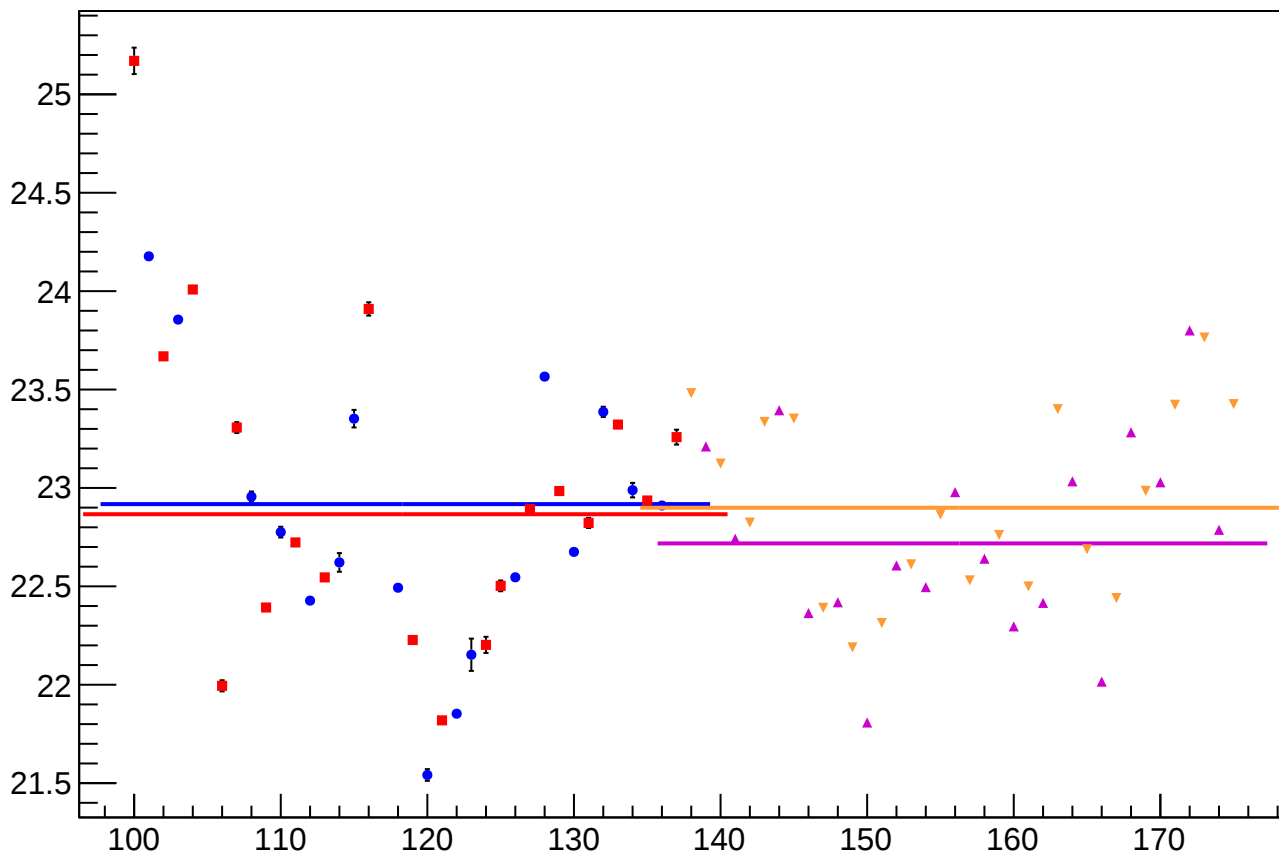
Left In: -8.150 ± 6.061 χ^2/NDF : 15.7/17

+ sign 8.033 ± 4.912 χ^2/NDF : 47.0/36

All: -1.863 ± 3.485 χ^2/NDF : 86.8/73

- sign -11.895 ± 4.946 χ^2/NDF : 31.6/36

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.899 $\pm$ 0.004 χ^2 /NDF: 11998.7/19

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

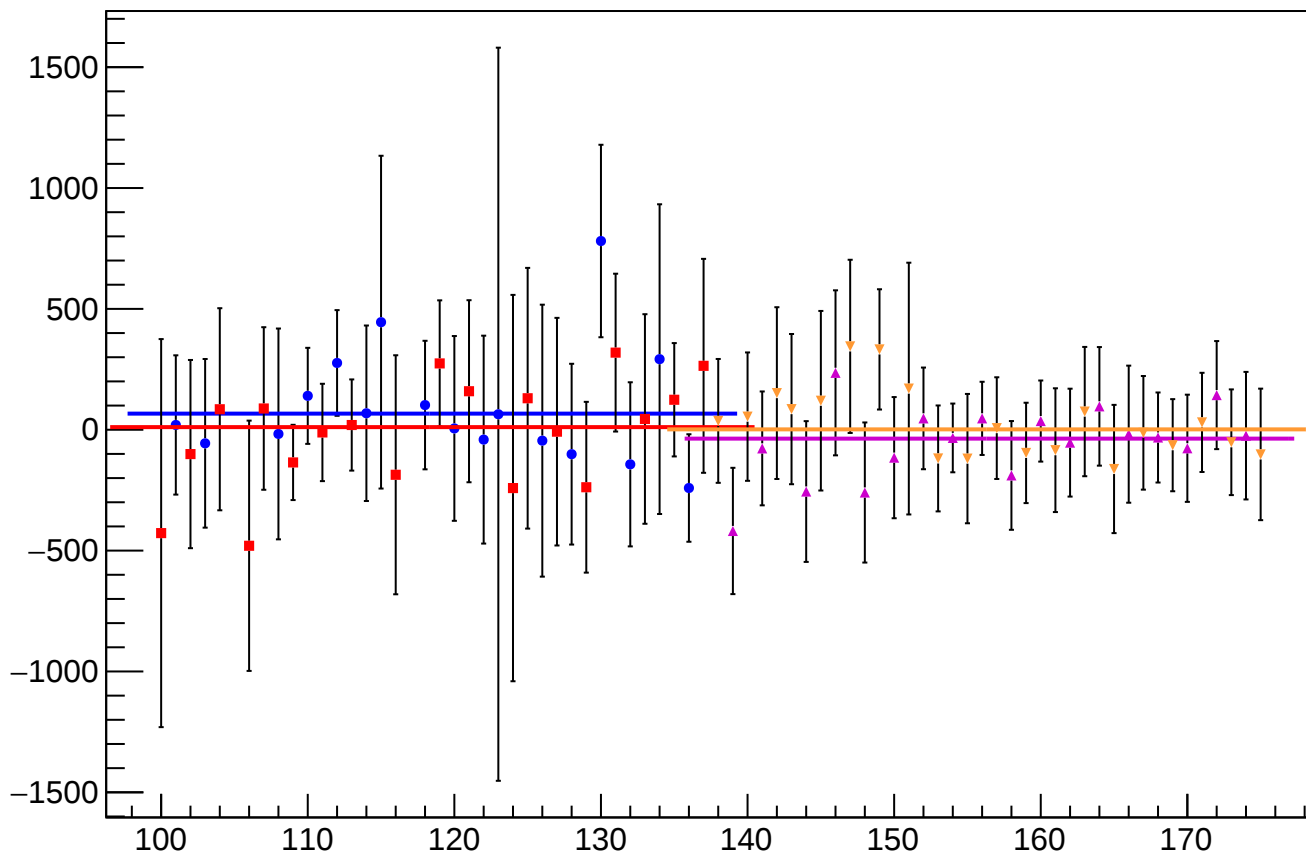
Left In: 22.718 $\pm$ 0.004 χ^2 /NDF: 12730.4/17

+ sign 22.905 $\pm$ 0.003 χ^2 /NDF: 23476.9/36

All: 22.837 $\pm$ 0.002 χ^2 /NDF: 48436.5/73

- sign 22.768 $\pm$ 0.003 χ^2 /NDF: 24183.0/36

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: 1.550 $\pm$ 56.755 χ^2 /NDF: 4.8/19

Right Out: 10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

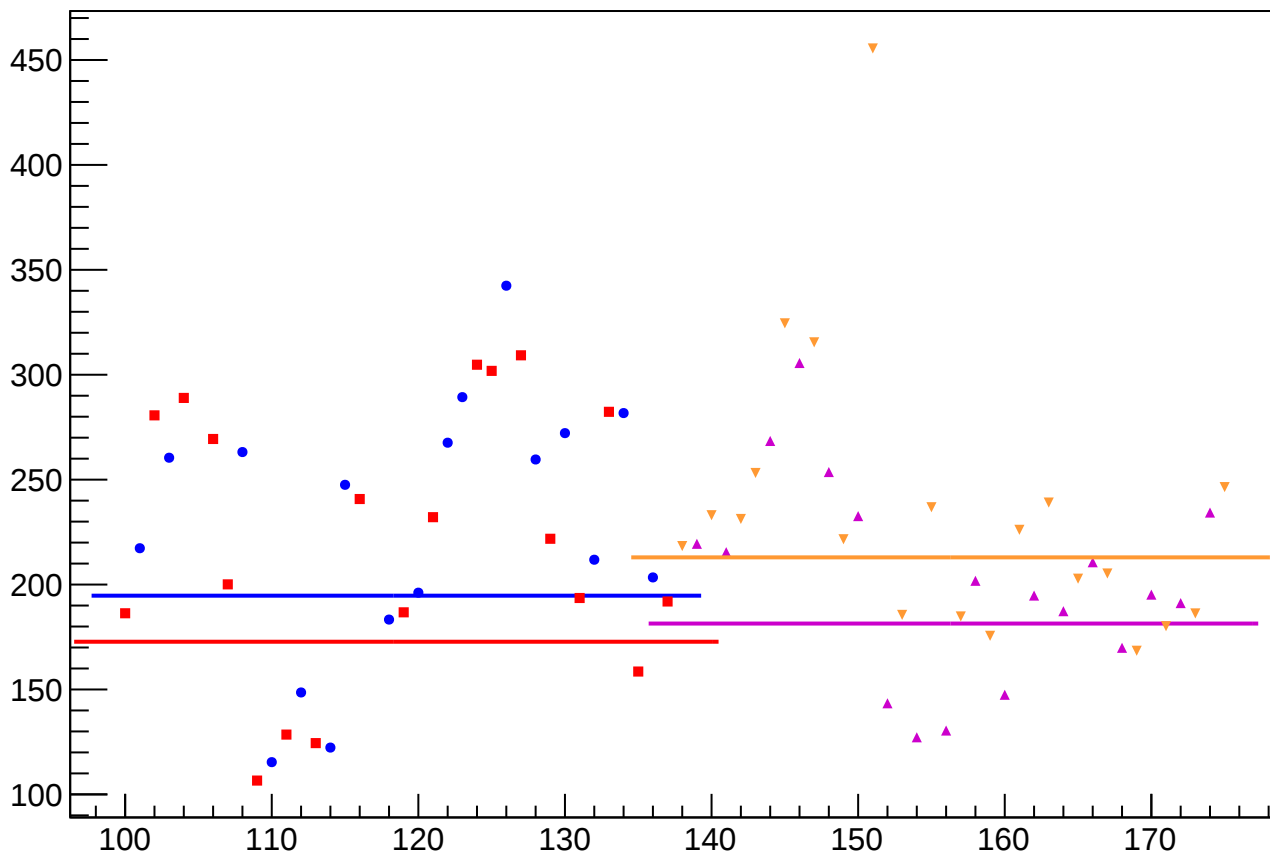
Left In: -36.725 $\pm$ 50.993 χ^2 /NDF: 6.2/17

+ sign 23.364 $\pm$ 46.289 χ^2 /NDF: 12.8/36

All: -0.973 $\pm$ 30.815 χ^2 /NDF: 25.5/73

- sign -20.343 $\pm$ 41.295 χ^2 /NDF: 12.2/36

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: 212.959 $\pm$ 0.040 χ^2 /NDF:1229031.1/19

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

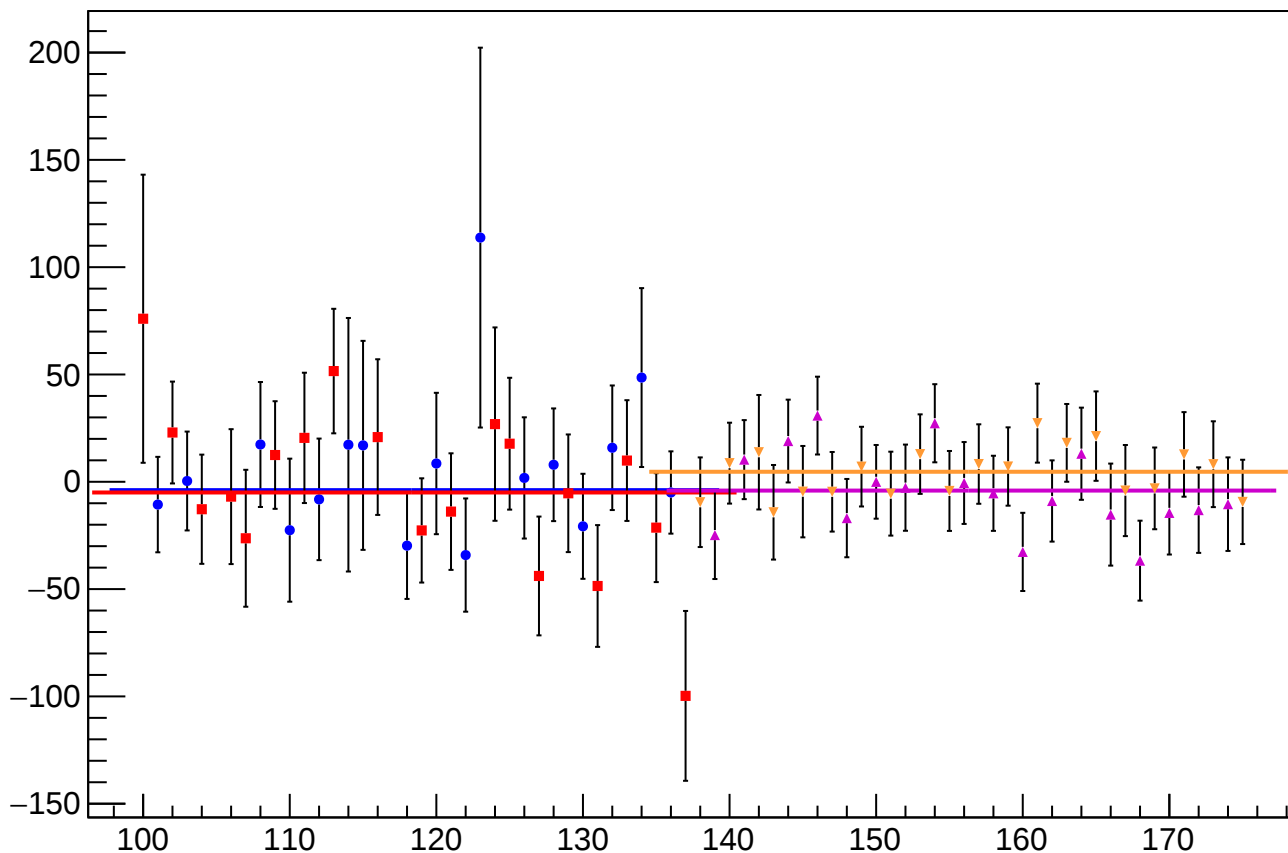
Left In: 181.418 $\pm$ 0.036 χ^2 /NDF:1545240.2/17

+ sign 206.846 $\pm$ 0.033 χ^2 /NDF: 2318193.7/36

All: 191.027 $\pm$ 0.022 χ^2 /NDF: 5899788.4/73

- sign 178.436 $\pm$ 0.029 χ^2 /NDF: 3162062.8/36

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: 4.672 ± 4.391 χ^2/NDF : 6.3/19

Right Out: -4.985 ± 6.727 χ^2/NDF : 21.3/18

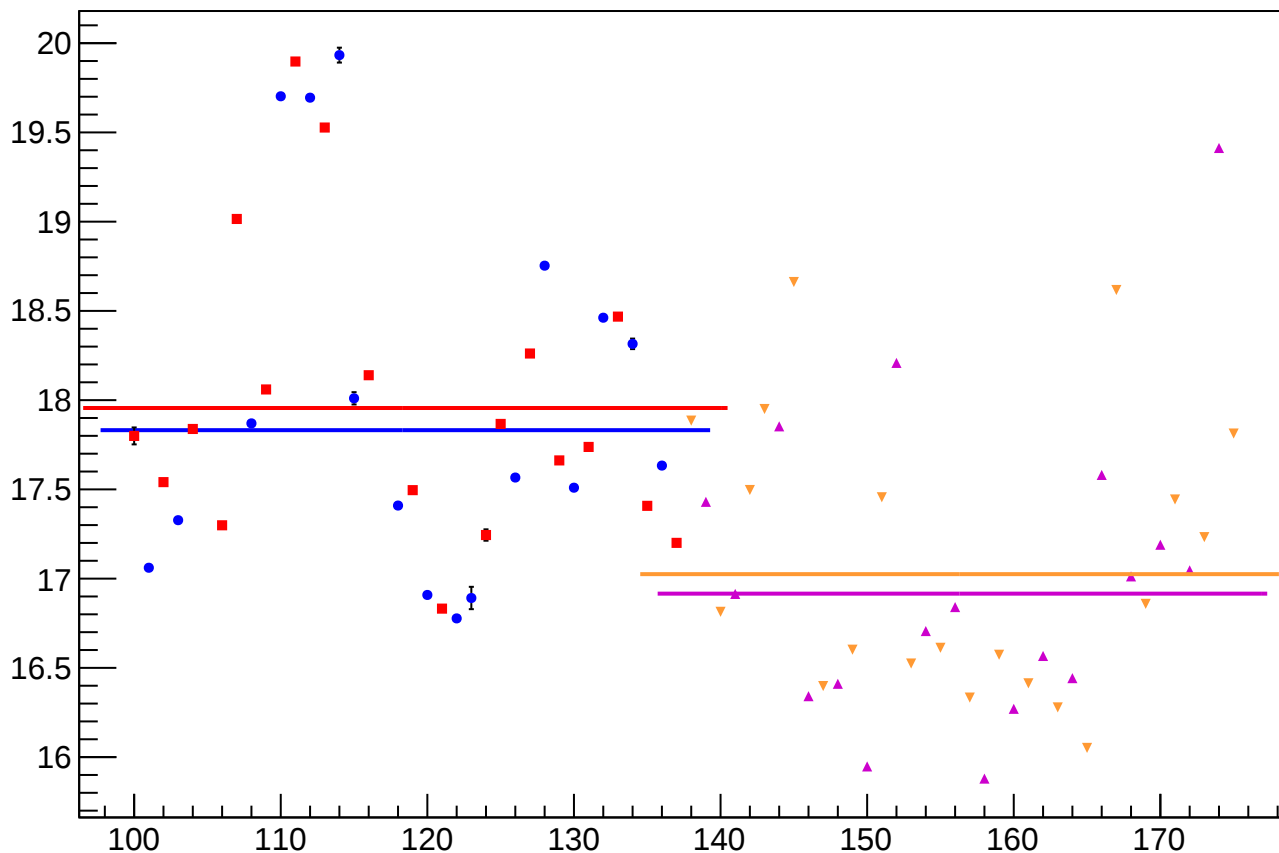
Left In: -4.095 ± 4.523 χ^2/NDF : 17.4/17

+ sign 2.211 ± 3.707 χ^2/NDF : 15.8/36

All: -1.039 ± 2.637 χ^2/NDF : 56.1/73

- sign -4.372 ± 3.754 χ^2/NDF : 38.7/36

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 ± 0.005 χ^2/NDF : 30863.4/16

Left Out: 17.025 ± 0.003 χ^2/NDF : 56077.0/19

Right Out: 17.956 ± 0.005 χ^2/NDF : 25448.9/18

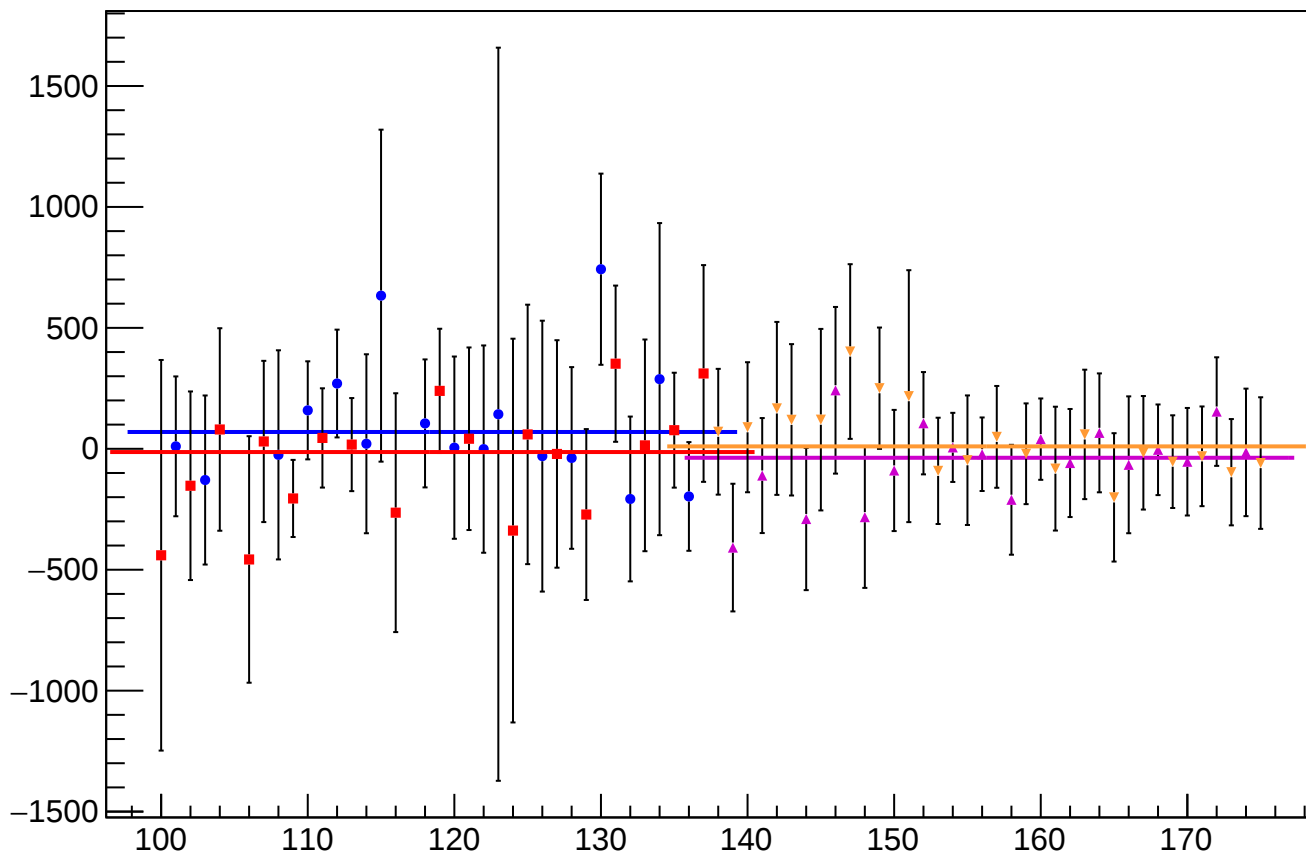
Left In: 16.916 ± 0.003 χ^2/NDF : 63995.8/17

+ sign 17.257 ± 0.003 χ^2/NDF : 106334.3/36

All: 17.248 ± 0.002 χ^2/NDF : 228727.4/73

- sign 17.240 ± 0.003 χ^2/NDF : 122371.9/36

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 9.980 $\pm$ 56.993 χ^2 /NDF: 4.4/19

Right Out: -13.410 $\pm$ 71.041 χ^2 /NDF: 6.7/18

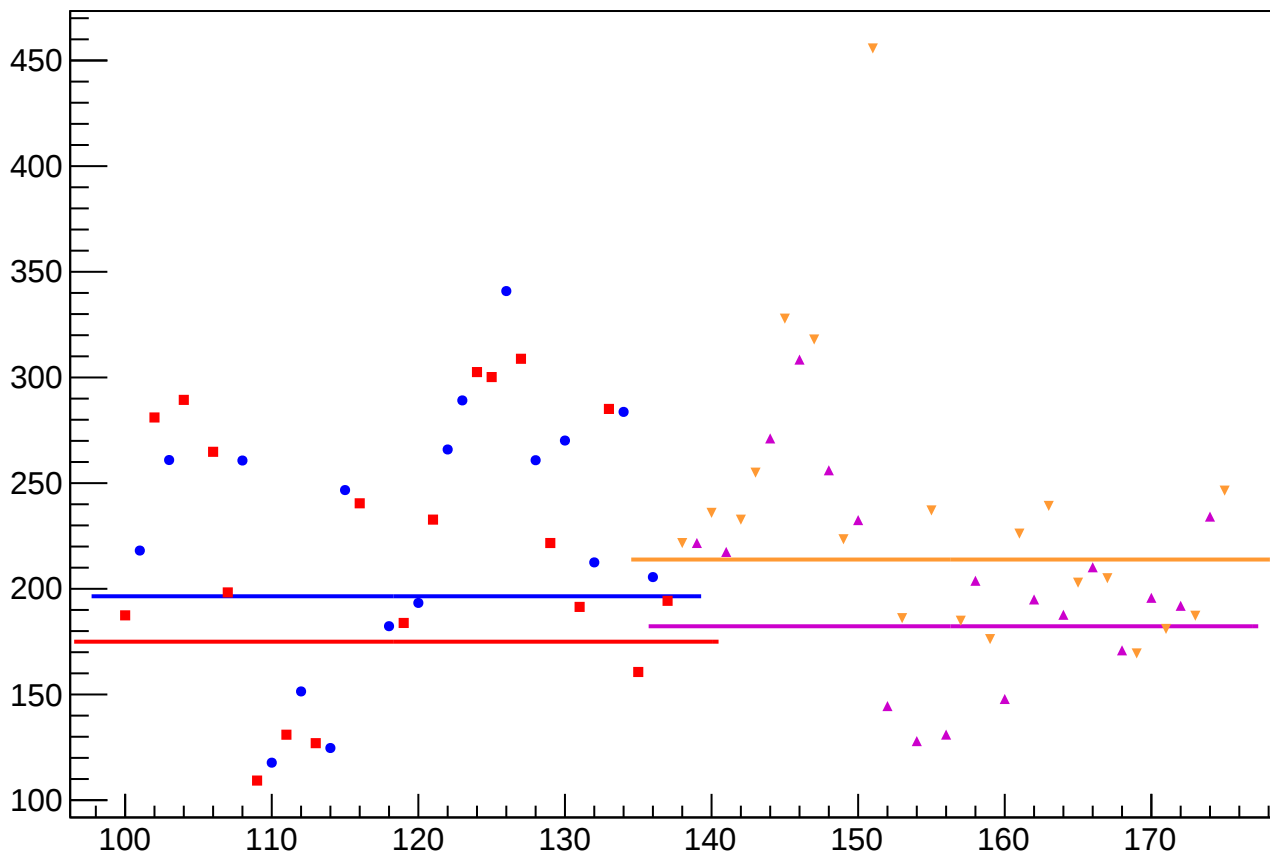
Left In: -37.103 $\pm$ 51.230 χ^2 /NDF: 6.5/17

+ sign 29.840 $\pm$ 46.525 χ^2 /NDF: 12.1/36

All: -2.890 $\pm$ 30.992 χ^2 /NDF: 26.3/73

- sign -28.997 $\pm$ 41.553 χ^2 /NDF: 13.3/36

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: 213.855 $\pm$ 0.040 χ^2 /NDF:1235520.6/19

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

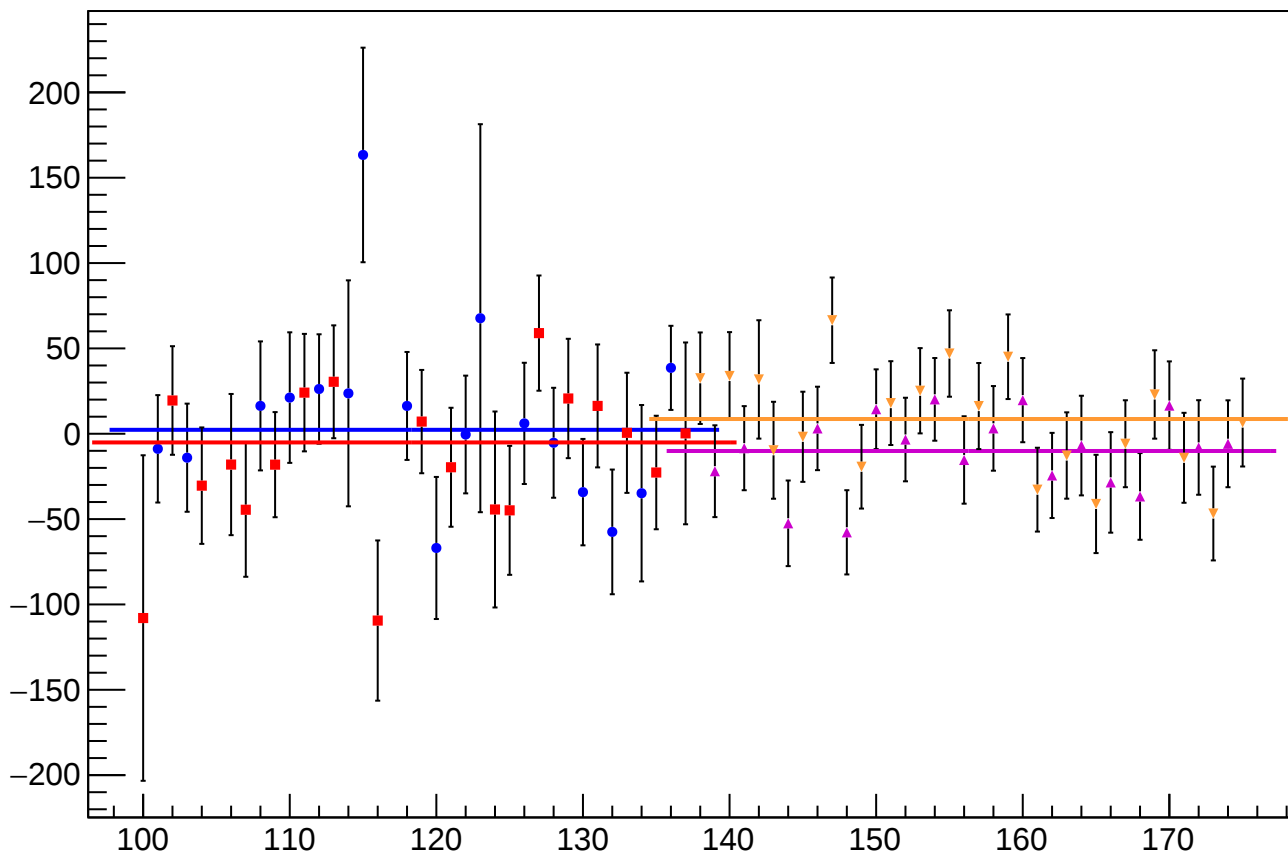
Left In: 182.276 $\pm$ 0.036 χ^2 /NDF:1552039.0/17

+ sign 208.055 $\pm$ 0.033 χ^2 /NDF: 2261885.8/36

All: 192.327 $\pm$ 0.022 χ^2 /NDF: 5749813.2/73

- sign 179.780 $\pm$ 0.029 χ^2 /NDF: 3077016.4/36

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: 8.637 ± 5.829 $\chi^2/\text{NDF}: 26.5/19$

Right Out: -5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

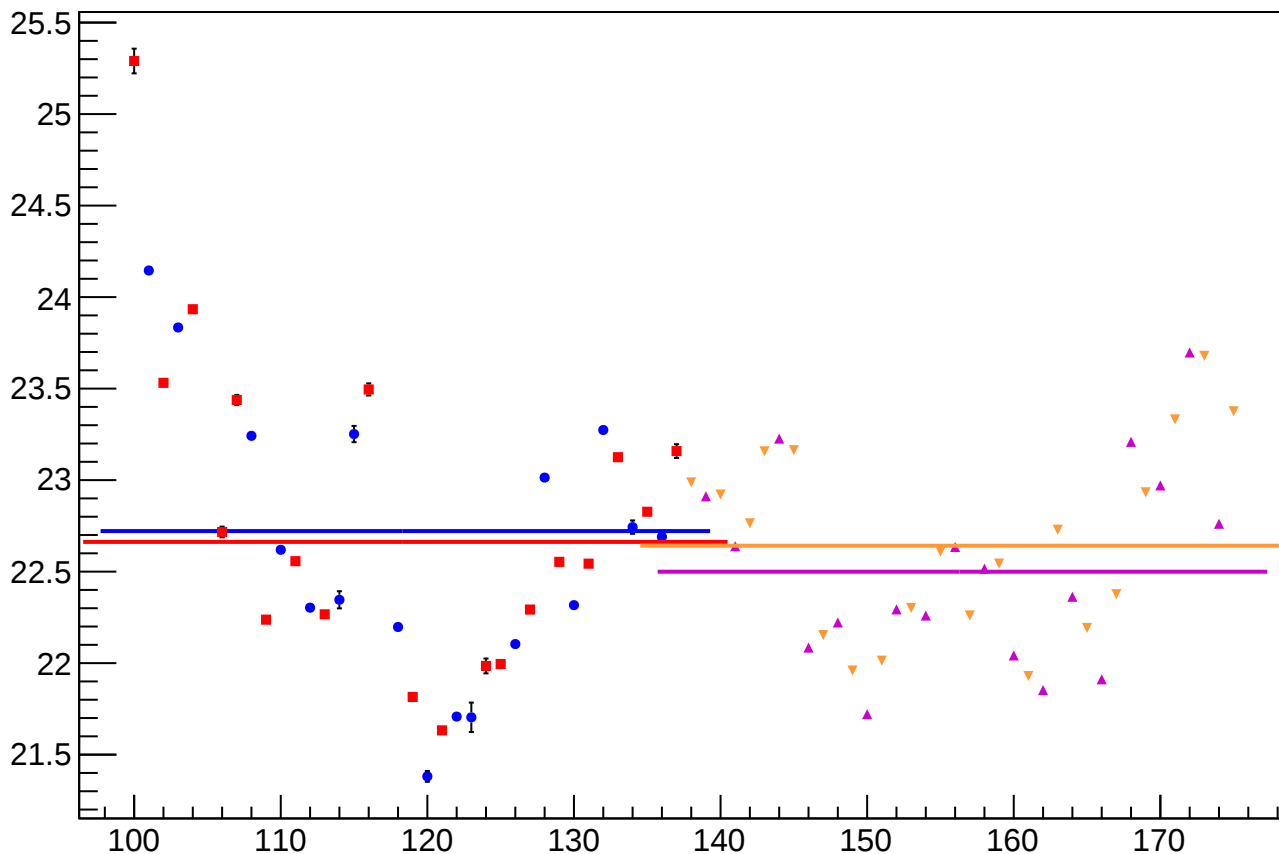
Left In: -10.099 ± 6.002 $\chi^2/\text{NDF}: 14.5/17$

+ sign 6.708 ± 4.861 $\chi^2/\text{NDF}: 45.0/36$

All: -0.800 ± 3.450 $\chi^2/\text{NDF}: 81.7/73$

- sign -8.426 ± 4.899 $\chi^2/\text{NDF}: 31.9/36$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722+/-0.006 $\chi^2/\text{NDF}: 13580.6/16$

Left Out: 22.642+/-0.004 $\chi^2/\text{NDF}: 15028.0/19$

Right Out: 22.662+/-0.006 $\chi^2/\text{NDF}: 12955.6/18$

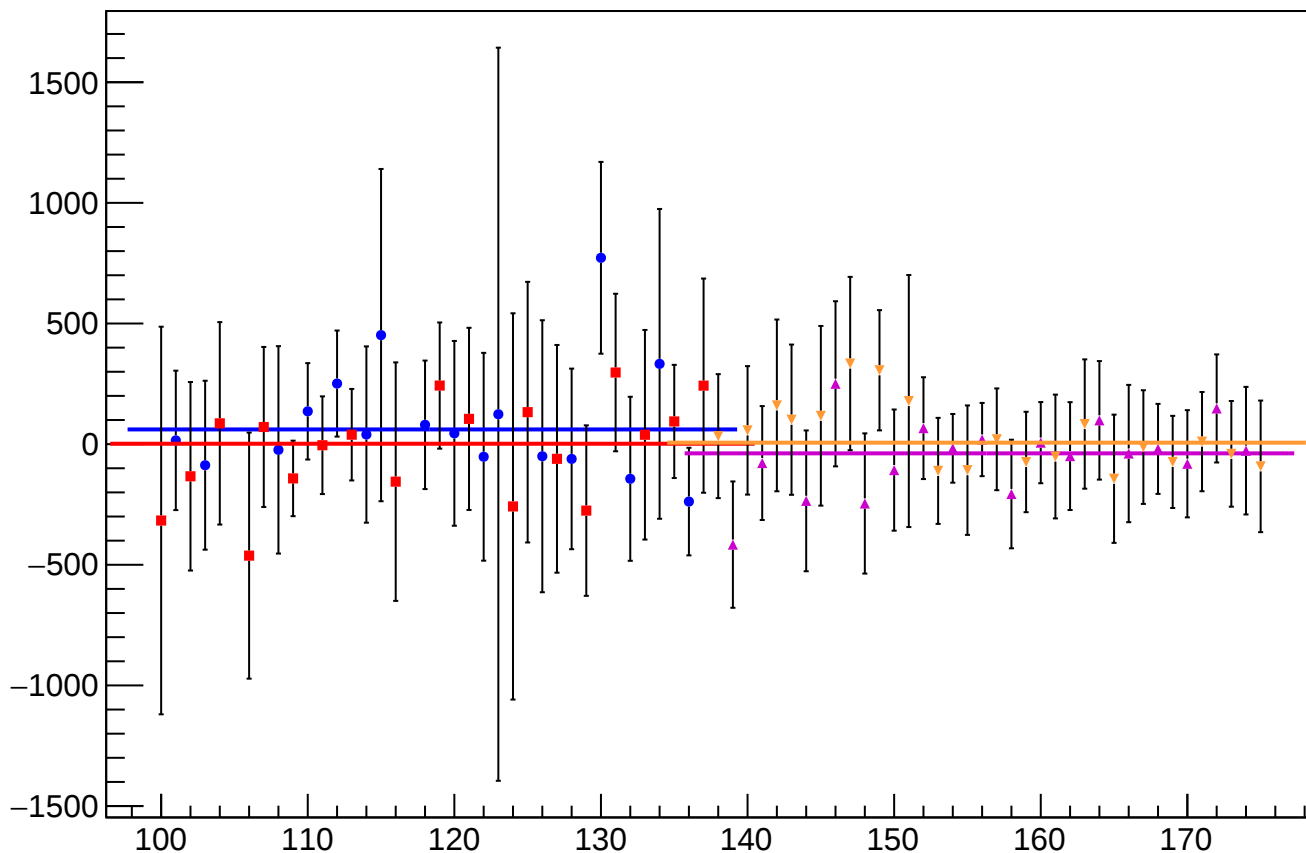
Left In: 22.500+/-0.004 $\chi^2/\text{NDF}: 14706.9/17$

+ sign 22.666+/-0.003 $\chi^2/\text{NDF}: 28723.1/36$

All: 22.610+/-0.002 $\chi^2/\text{NDF}: 57405.0/73$

- sign 22.554+/-0.003 $\chi^2/\text{NDF}: 28154.4/36$

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960+/-80.197 χ^2/NDF : 7.2/16

Left Out: 6.074+/-56.882 χ^2/NDF : 4.2/19

Right Out: 1.647+/-70.549 χ^2/NDF : 5.2/18

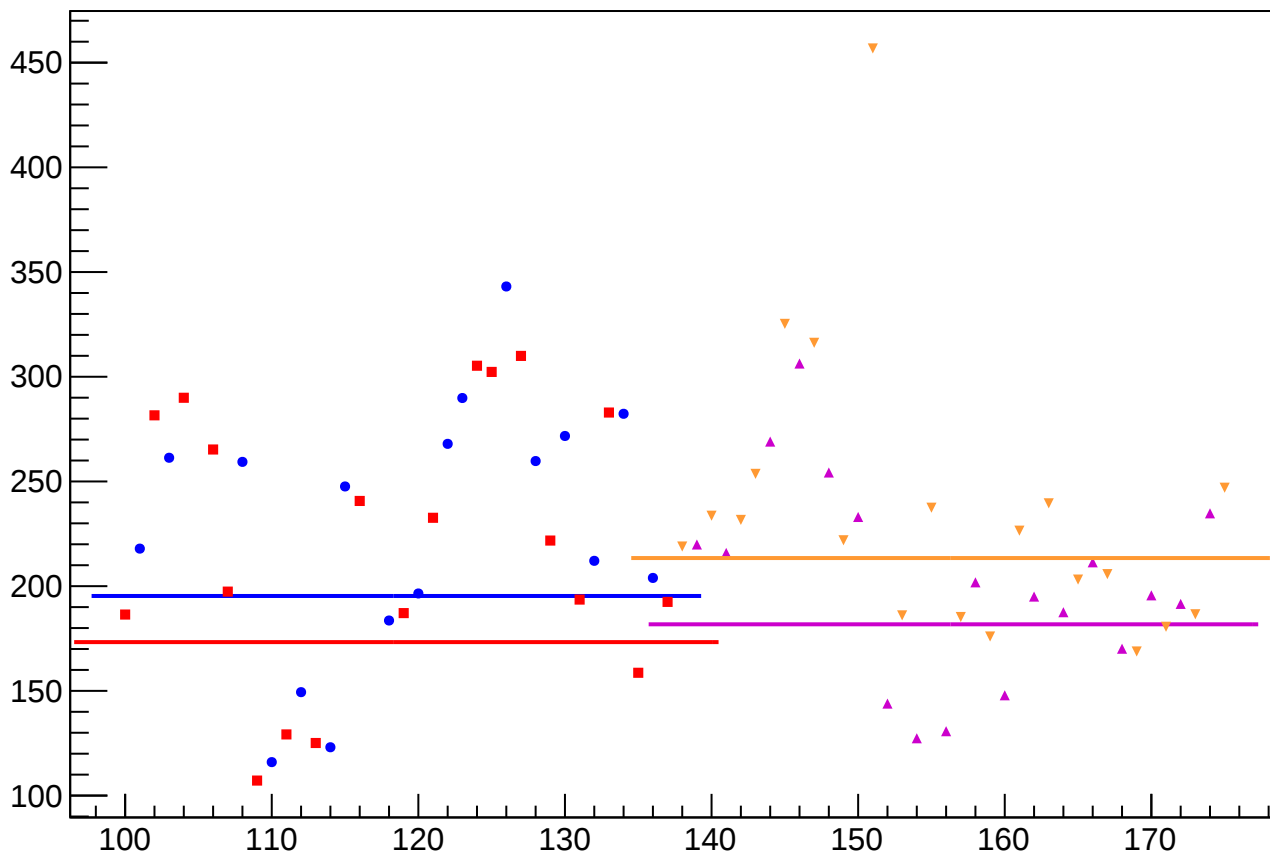
Left In: -38.159+/-51.097 χ^2/NDF : 6.0/17

+ sign 24.444+/-46.396 χ^2/NDF : 11.8/36

All: -2.793+/-30.883 χ^2/NDF : 23.7/73

- sign -24.462+/-41.383 χ^2/NDF : 11.3/36

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: 213.430 $\pm$ 0.040 χ^2 /NDF:1229274.1/19

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

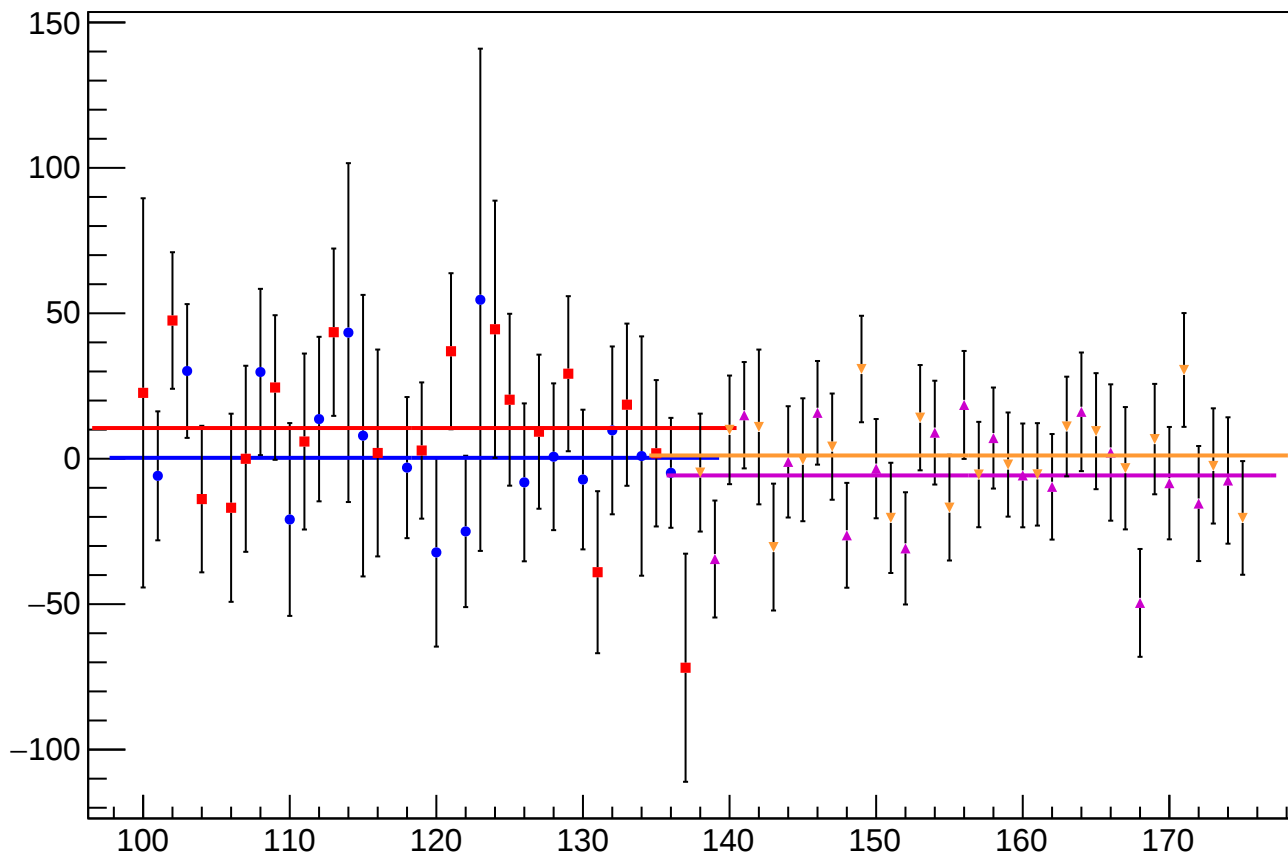
Left In: 181.785 $\pm$ 0.036 χ^2 /NDF:1545093.5/17

+ sign 207.367 $\pm$ 0.033 χ^2 /NDF: 2301370.8/36

All: 191.491 $\pm$ 0.022 χ^2 /NDF: 5864386.9/73

- sign 178.860 $\pm$ 0.029 χ^2 /NDF: 3142518.8/36

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: 1.121 ± 4.302 χ^2/NDF : 12.4/19

Right Out: 10.553 ± 6.628 χ^2/NDF : 16.0/18

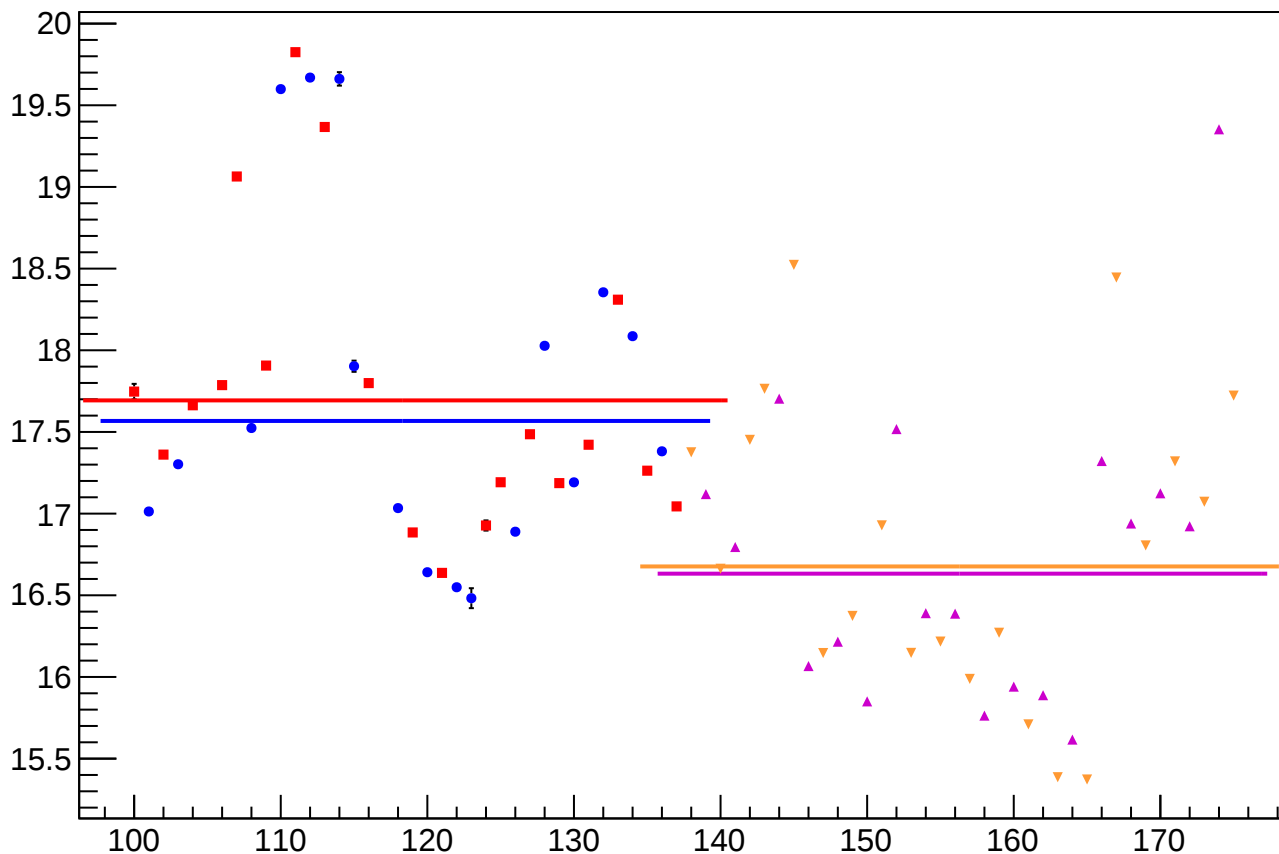
Left In: -5.743 ± 4.447 χ^2/NDF : 18.0/17

+ sign 0.889 ± 3.637 χ^2/NDF : 19.2/36

All: 0.114 ± 2.591 χ^2/NDF : 57.4/73

- sign -0.685 ± 3.693 χ^2/NDF : 38.2/36

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567+/-0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.677+/-0.003 χ^2 /NDF: 82680.8/19

Right Out: 17.693+/-0.005 χ^2 /NDF: 30767.1/18

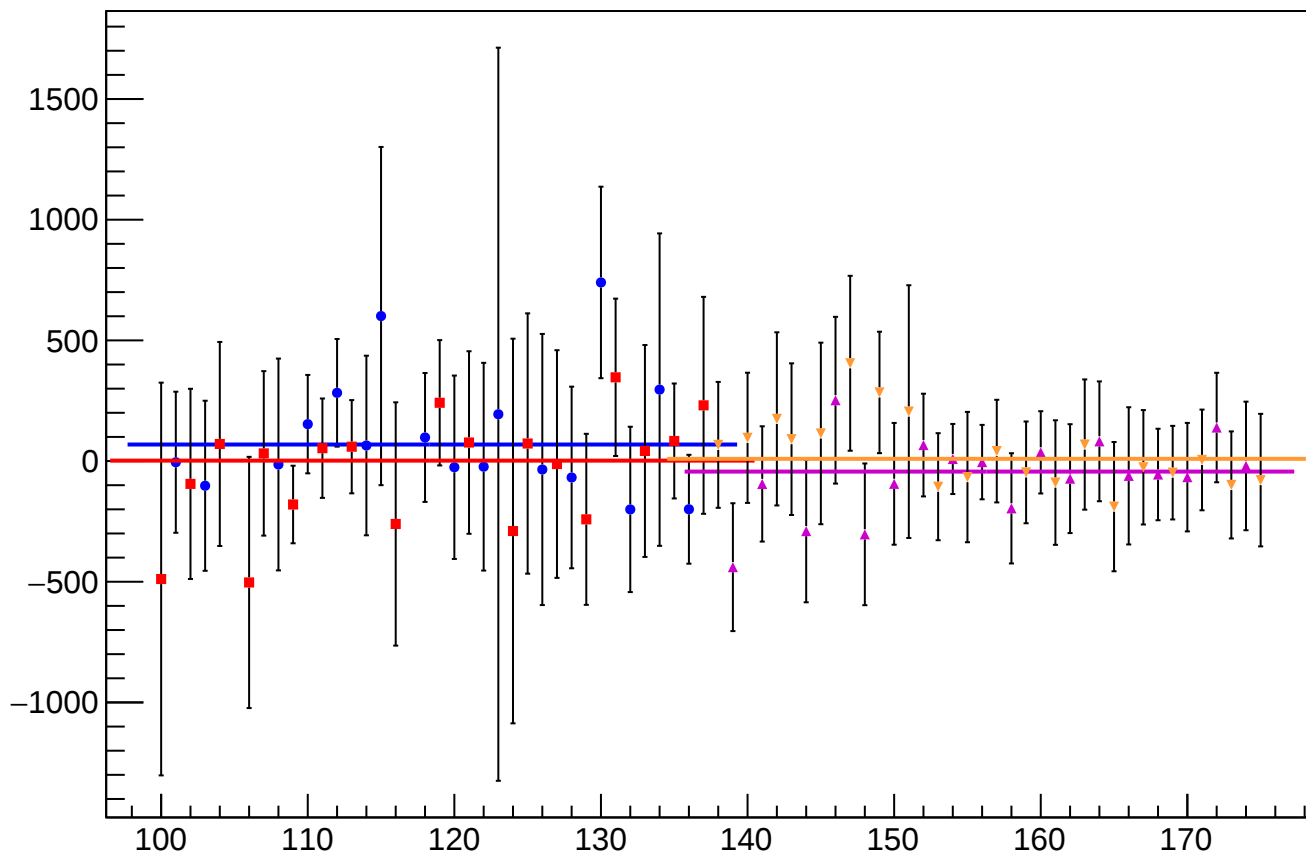
Left In: 16.632+/-0.003 χ^2 /NDF: 71520.3/17

+ sign 16.931+/-0.003 χ^2 /NDF: 140273.6/36

All: 16.946+/-0.002 χ^2 /NDF: 277962.8/73

- sign 16.962+/-0.003 χ^2 /NDF: 137617.0/36

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 9.241 $\pm$ 57.463 χ^2 /NDF: 4.7/19

Right Out: 1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

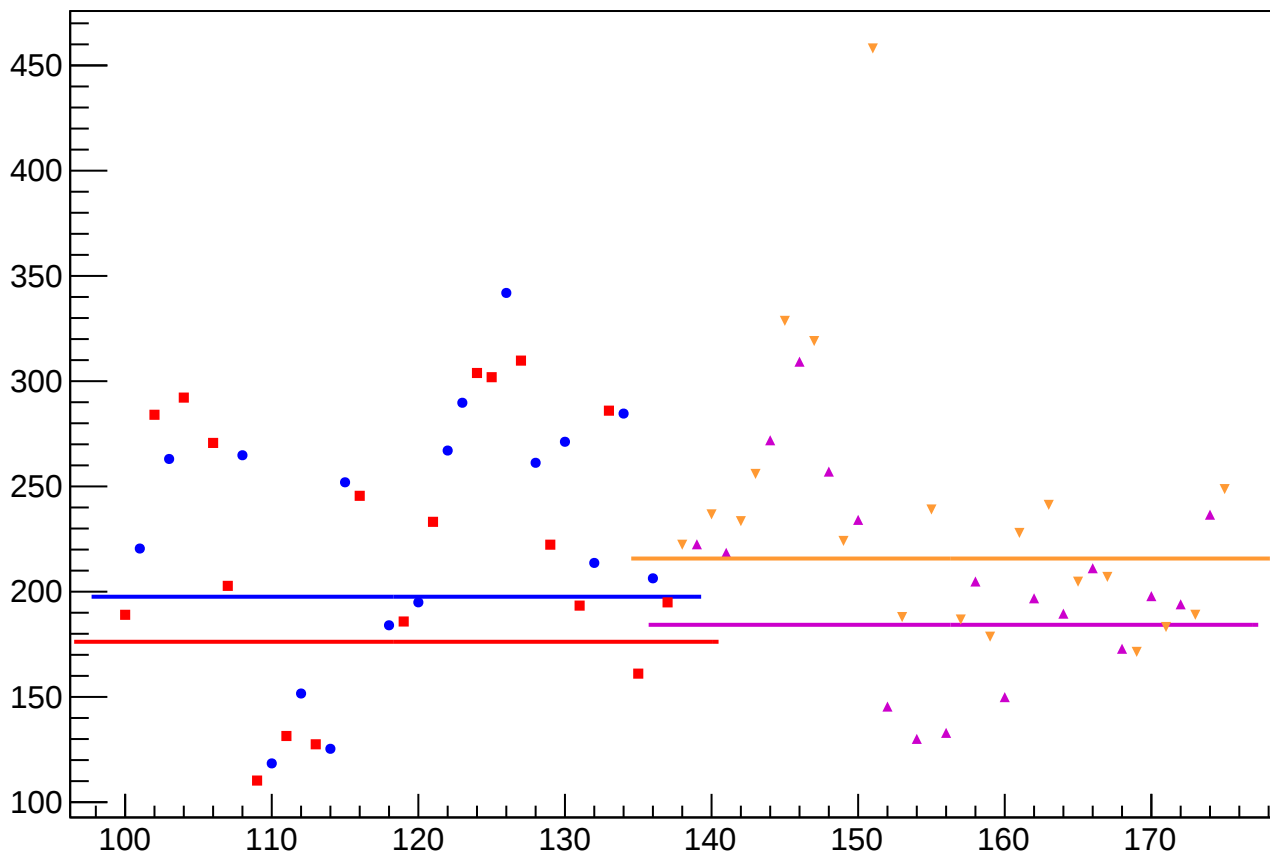
Left In: -43.589 $\pm$ 51.738 χ^2 /NDF: 6.6/17

+ sign 29.092 $\pm$ 46.871 χ^2 /NDF: 12.3/36

All: -2.620 $\pm$ 31.247 χ^2 /NDF: 26.2/73

- sign -27.990 $\pm$ 41.923 χ^2 /NDF: 13.0/36

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: 215.748 $\pm$ 0.041 χ^2 /NDF:1209337.1/19

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

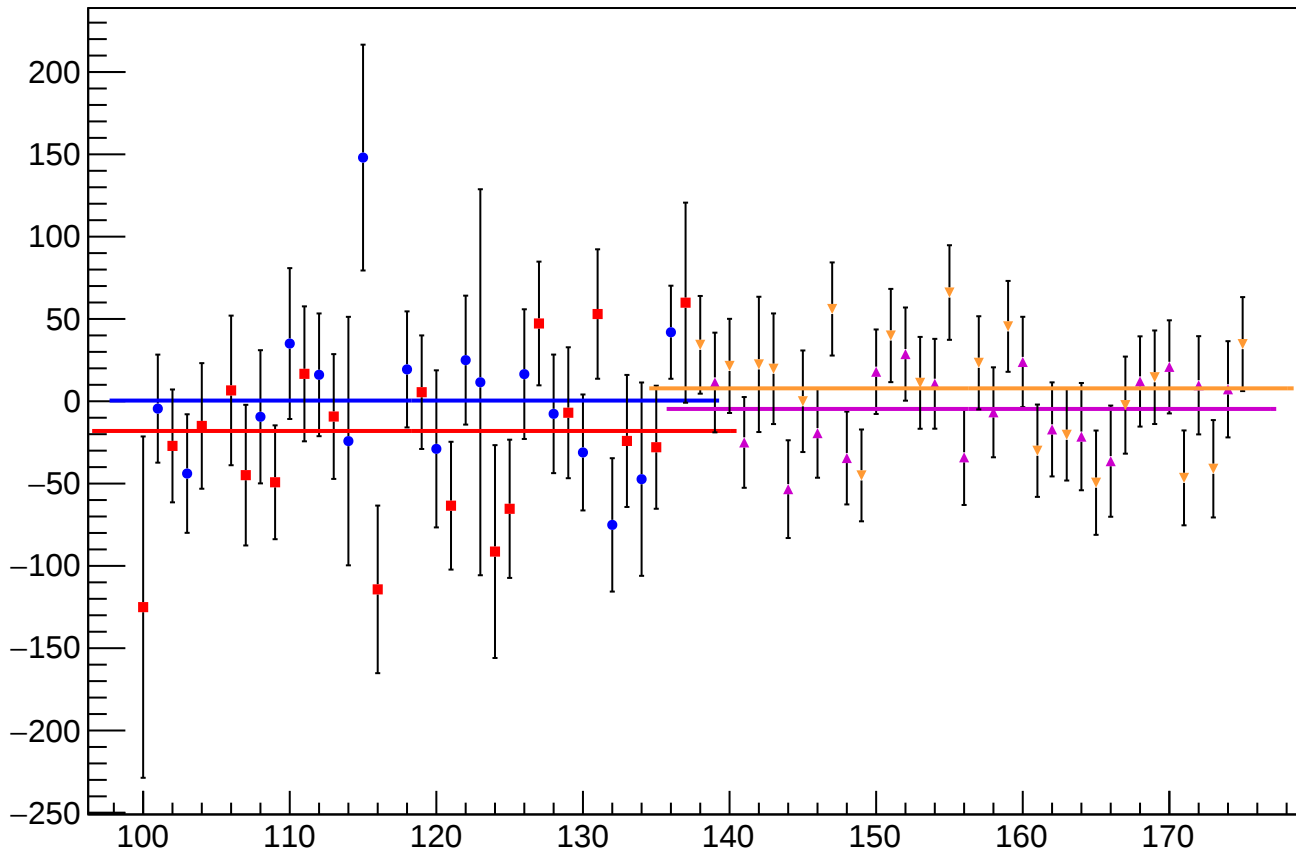
Left In: 184.263 $\pm$ 0.037 χ^2 /NDF:1507144.0/17

+ sign 209.675 $\pm$ 0.033 χ^2 /NDF: 2244907.1/36

All: 194.019 $\pm$ 0.022 χ^2 /NDF: 5690228.4/73

- sign 181.494 $\pm$ 0.030 χ^2 /NDF: 3043652.7/36

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: 7.847 ± 6.558 χ^2/NDF : 28.9/19

Right Out: -18.044 ± 9.499 χ^2/NDF : 19.5/18

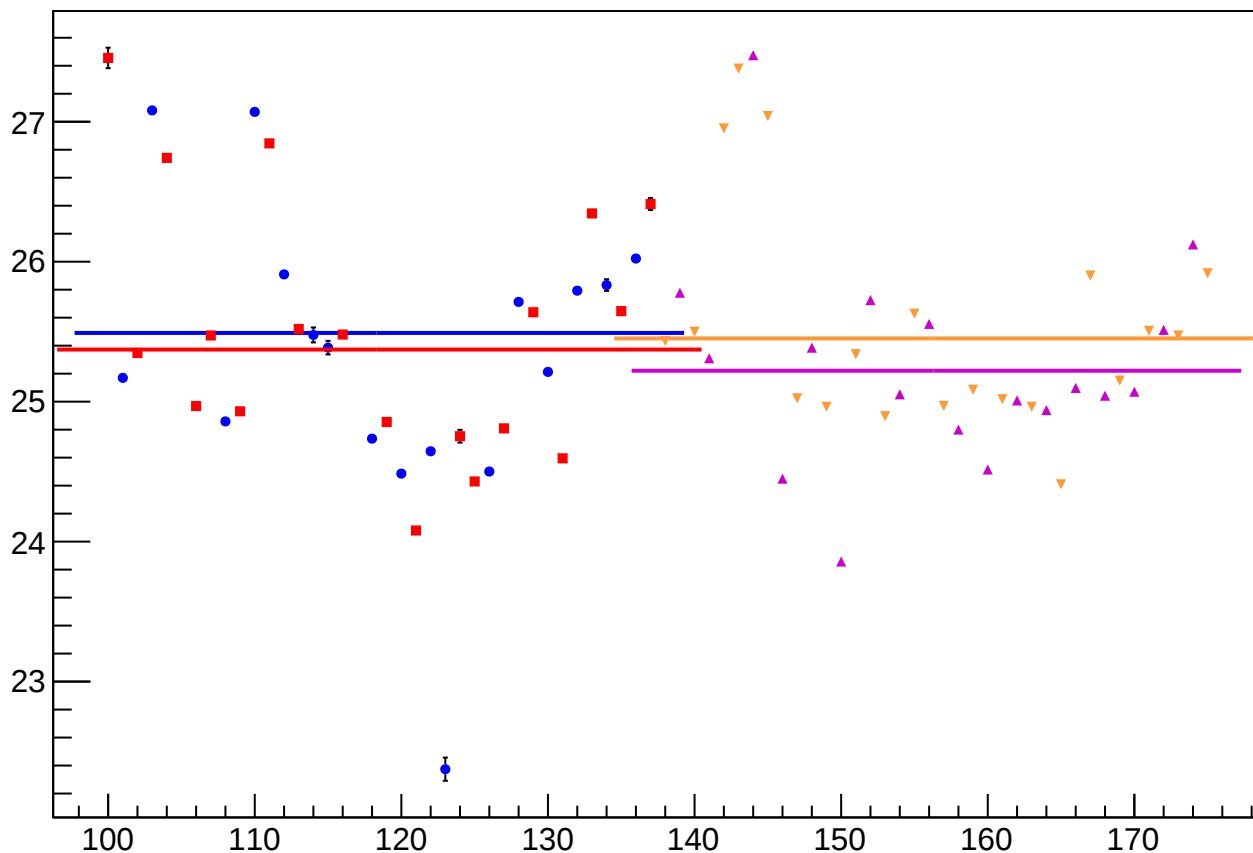
Left In: -4.663 ± 6.735 χ^2/NDF : 12.4/17

+ sign 5.579 ± 5.465 χ^2/NDF : 44.7/36

All: -1.741 ± 3.874 χ^2/NDF : 81.6/73

- sign -9.139 ± 5.494 χ^2/NDF : 33.2/36

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: 25.452+/-0.005 χ^2/NDF : 21959.2/19

Right Out: 25.372+/-0.007 χ^2/NDF : 13550.5/18

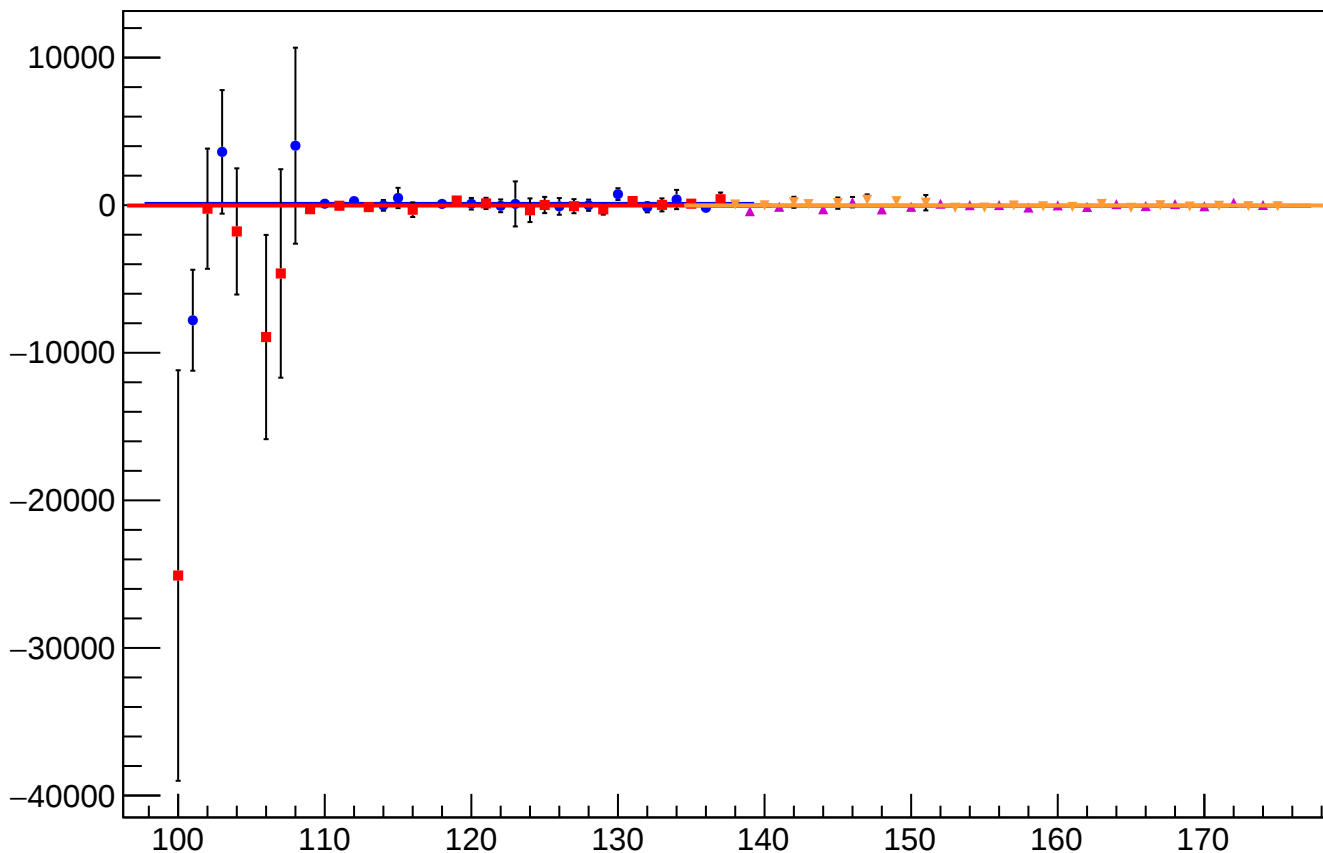
Left In: 25.221+/-0.005 χ^2/NDF : 24855.4/17

+ sign 25.464+/-0.004 χ^2/NDF : 35694.0/36

All: 25.368+/-0.003 χ^2/NDF : 75666.8/73

- sign 25.272+/-0.004 χ^2/NDF : 38743.1/36

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: -18.798+/-57.832 χ^2/NDF : 4.8/19

Right Out: -23.352+/-80.948 χ^2/NDF : 11.9/18

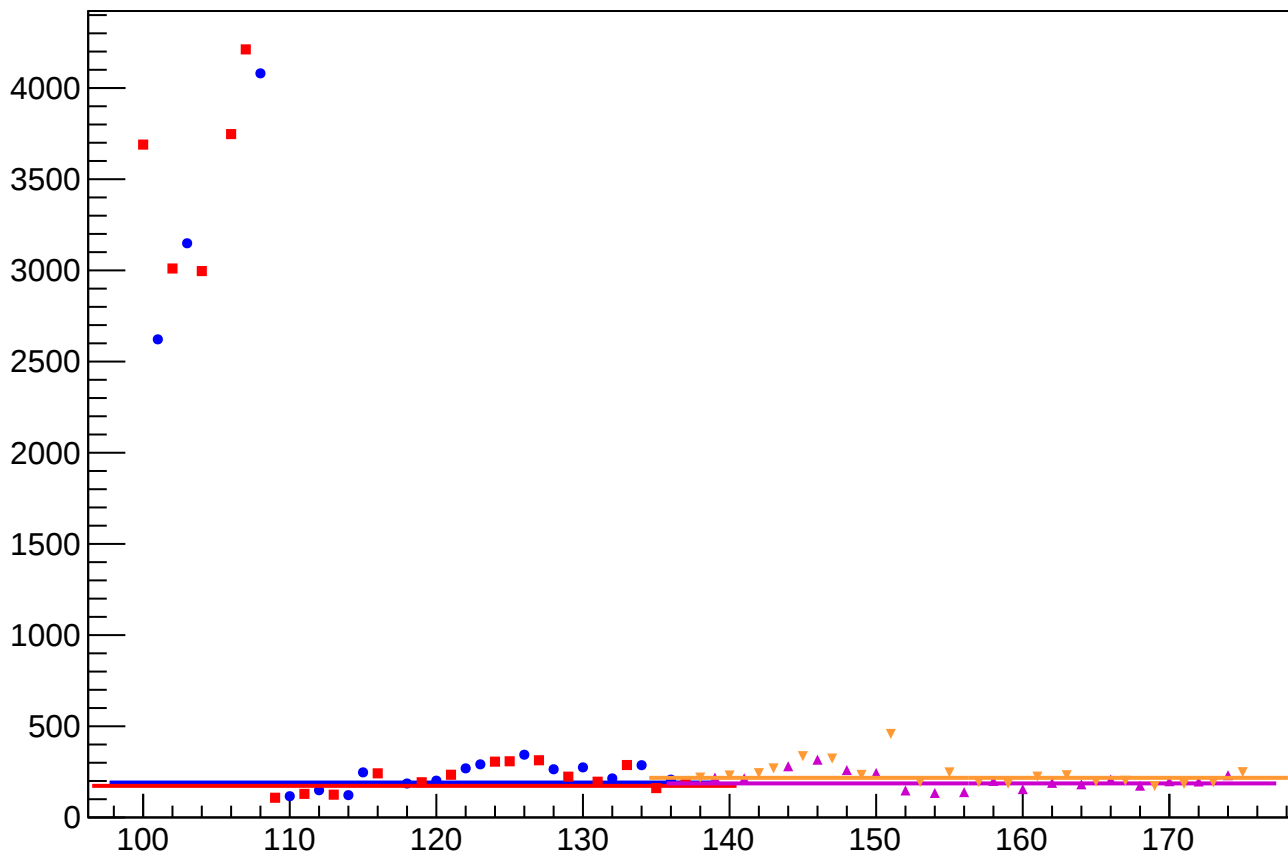
Left In: -35.487+/-52.275 χ^2/NDF : 6.4/17

+ sign 12.767+/-48.400 χ^2/NDF : 18.3/36

All: -11.740+/-32.522 χ^2/NDF : 37.0/73

- sign -31.916+/-43.914 χ^2/NDF : 18.3/36

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: 217.259+/-0.041 χ^2/NDF :1202149.5/19

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

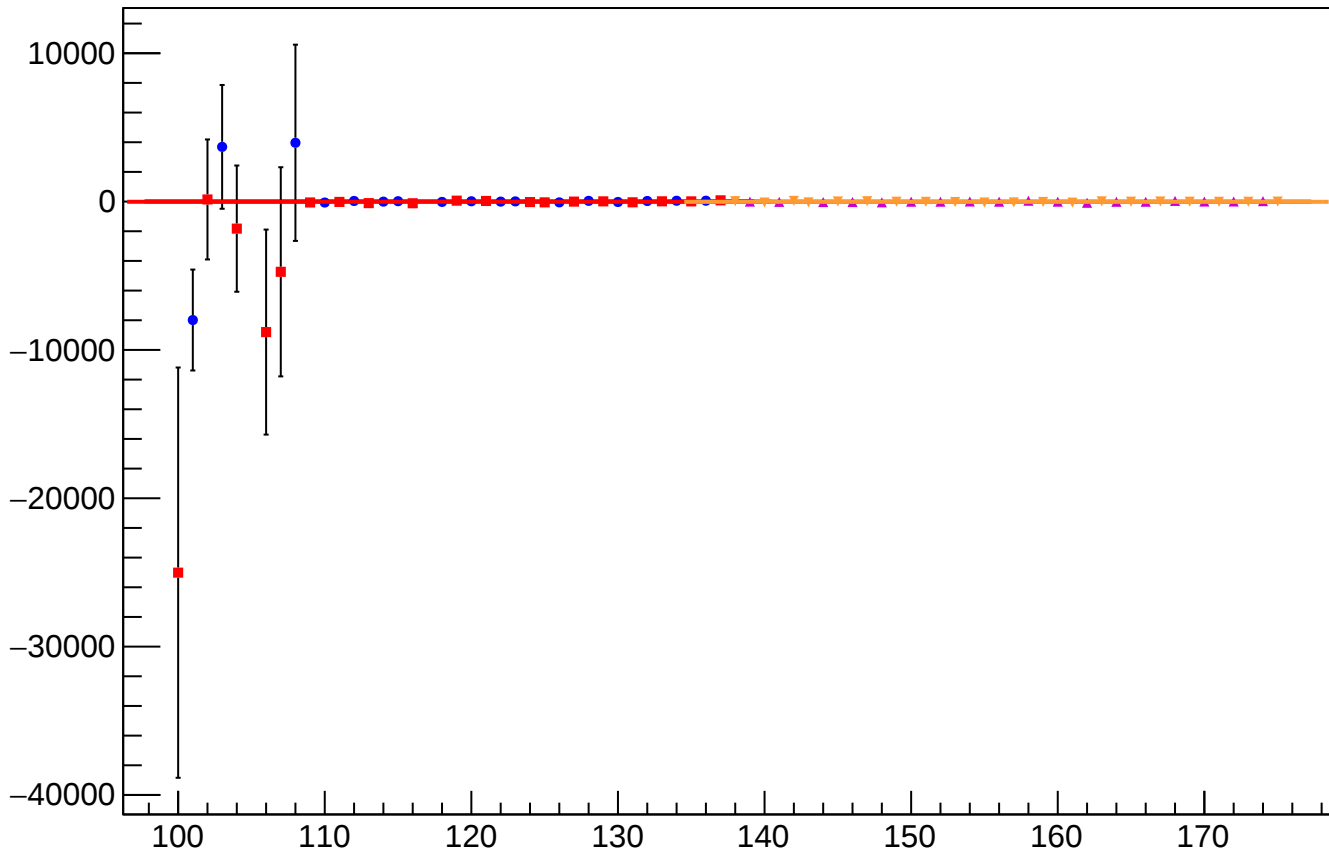
Left In: 186.699+/-0.037 χ^2/NDF :1381762.1/17

+ sign 209.535+/-0.034 χ^2/NDF : 4894384.1/36

All: 194.847+/-0.023 χ^2/NDF : 10858091.5/73

- sign 182.755+/-0.031 χ^2/NDF : 5627870.6/36

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286 $\pm$ 12.282 χ^2 /NDF: 18.4/16

Left Out: -15.748 $\pm$ 7.451 χ^2 /NDF: 17.0/19

Right Out: -12.668 $\pm$ 12.232 χ^2 /NDF: 24.8/18

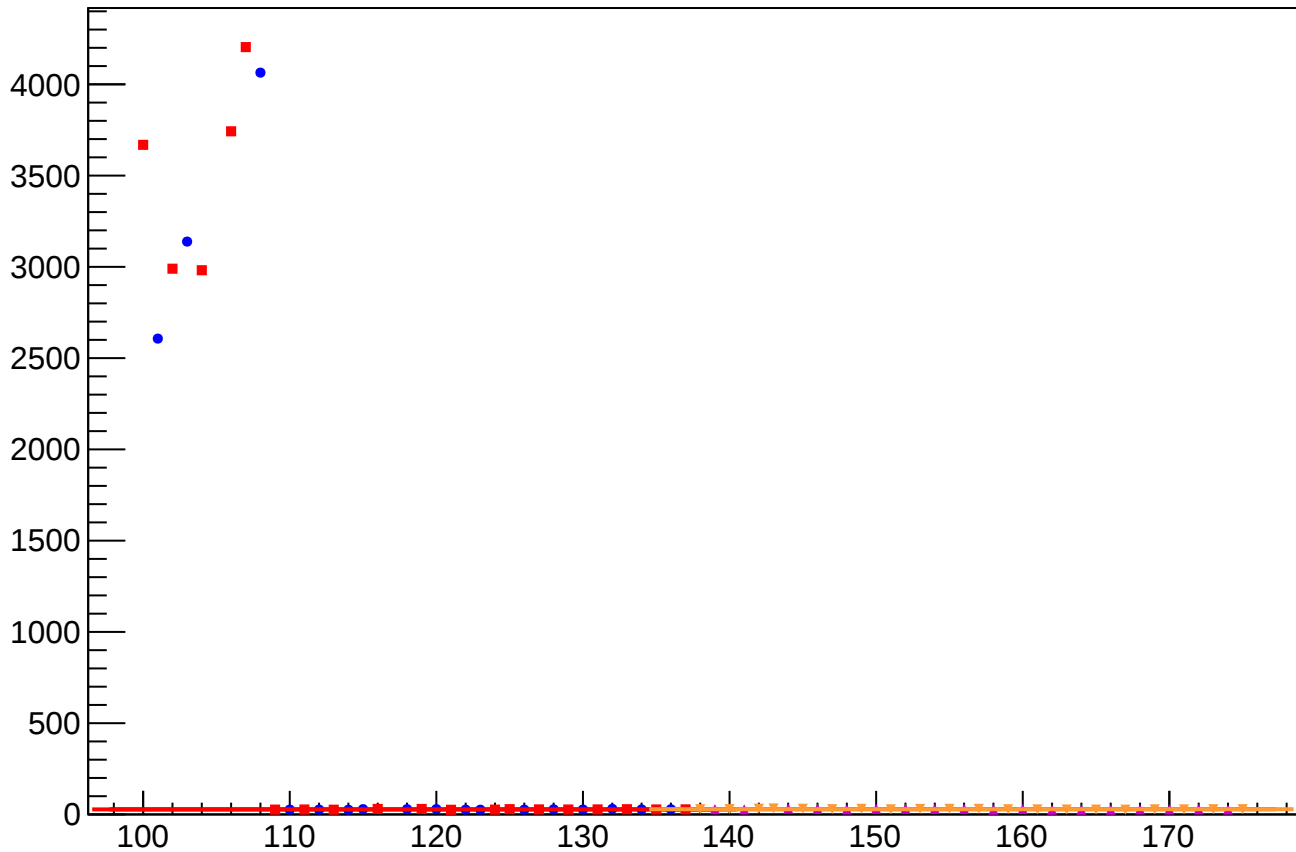
Left In: -4.459 $\pm$ 7.689 χ^2 /NDF: 19.1/17

+ sign -8.745 $\pm$ 6.370 χ^2 /NDF: 38.6/36

All: -7.786 $\pm$ 4.553 χ^2 /NDF: 82.9/73

- sign -6.784 $\pm$ 6.510 χ^2 /NDF: 44.2/36

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: 28.862+/-0.005 χ^2/NDF : 96656.3/19

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

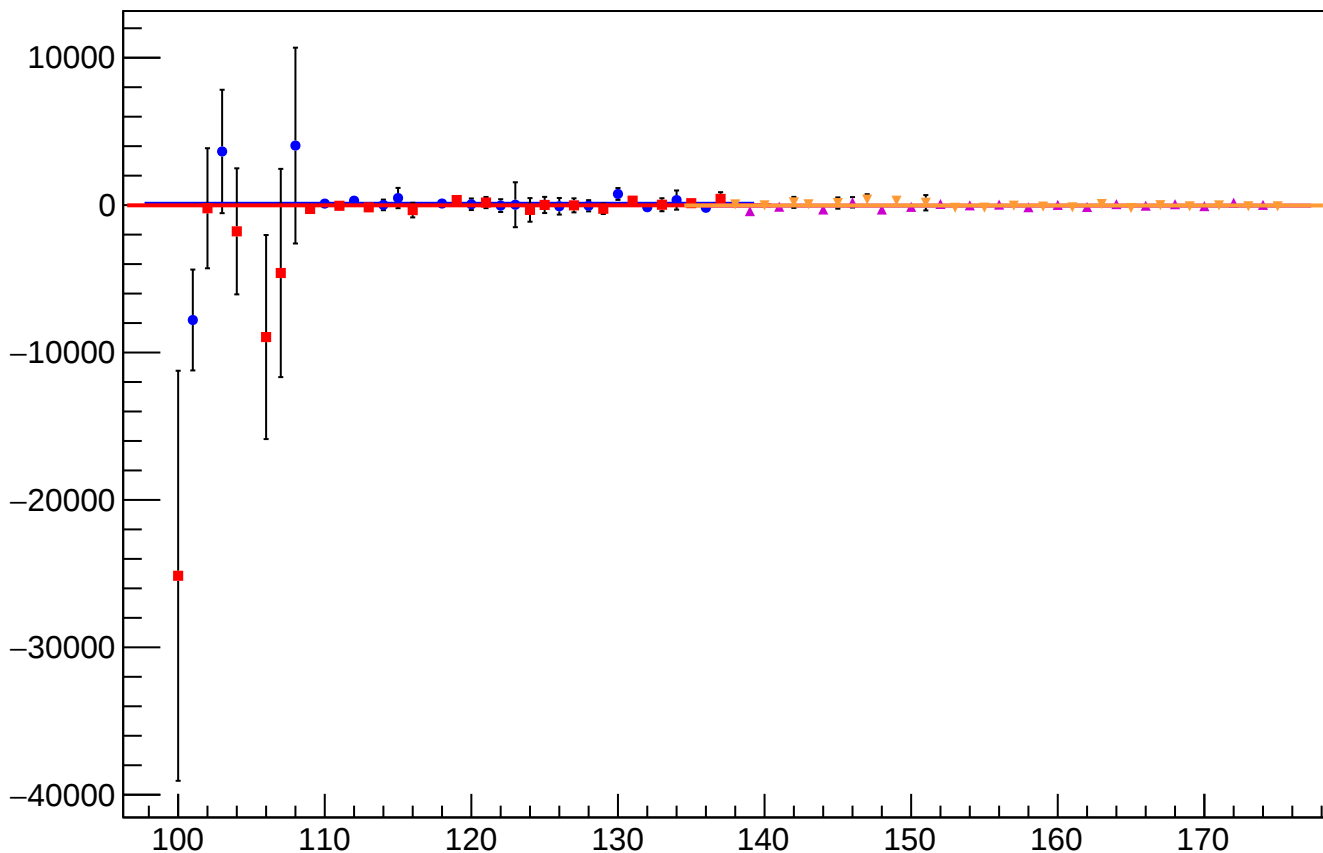
Left In: 28.723+/-0.005 χ^2/NDF : 115945.1/17

+ sign 28.591+/-0.005 χ^2/NDF : 3134166.0/36

All: 28.513+/-0.003 χ^2/NDF : 6737702.4/73

- sign 28.432+/-0.005 χ^2/NDF : 3602920.1/36

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: -23.480+/-57.707 χ^2/NDF : 5.4/19

Right Out: -13.341+/-80.686 χ^2/NDF : 12.7/18

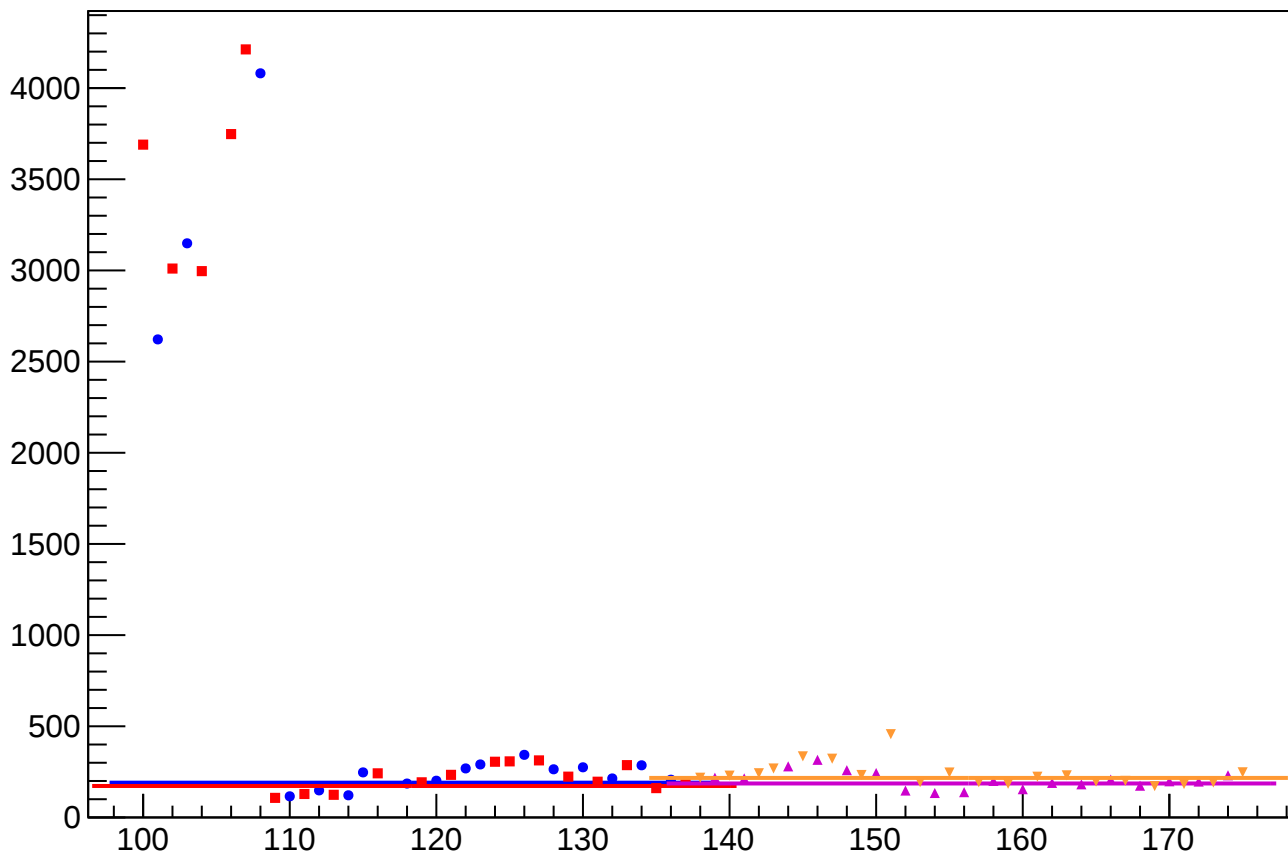
Left In: -34.127+/-52.173 χ^2/NDF : 6.4/17

+ sign 10.797+/-48.281 χ^2/NDF : 19.4/36

All: -10.479+/-32.445 χ^2/NDF : 38.9/73

- sign -27.998+/-43.812 χ^2/NDF : 19.2/36

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 216.794+/-0.041 χ^2/NDF :1201757.5/19

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

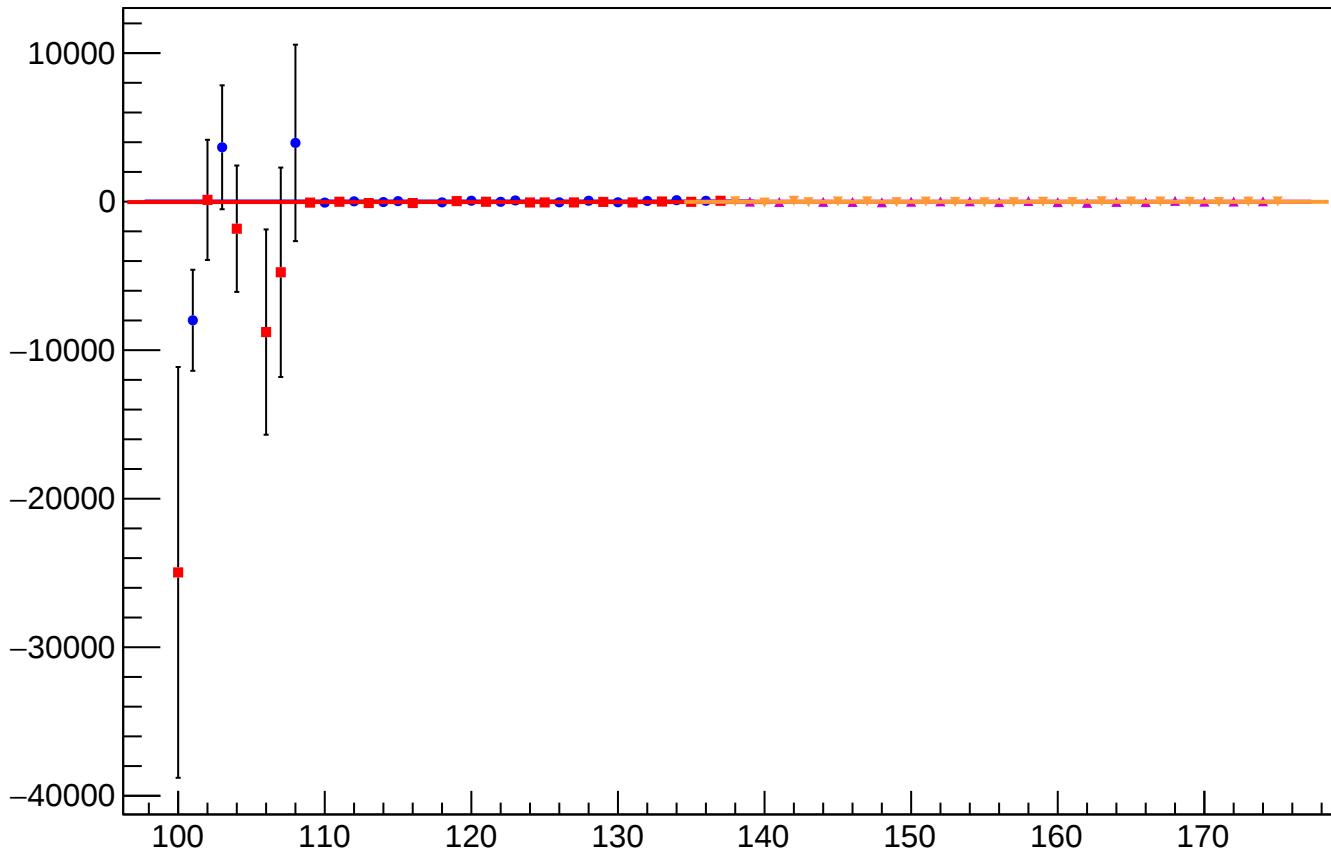
Left In: 186.337+/-0.037 χ^2/NDF :1381459.7/17

+ sign 208.986+/-0.034 χ^2/NDF : 4908815.6/36

All: 194.349+/-0.023 χ^2/NDF : 10884804.3/73

- sign 182.296+/-0.031 χ^2/NDF : 5640792.2/36

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: -11.835 $\pm$ 7.500 χ^2 /NDF:12.4/19

Right Out: -29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

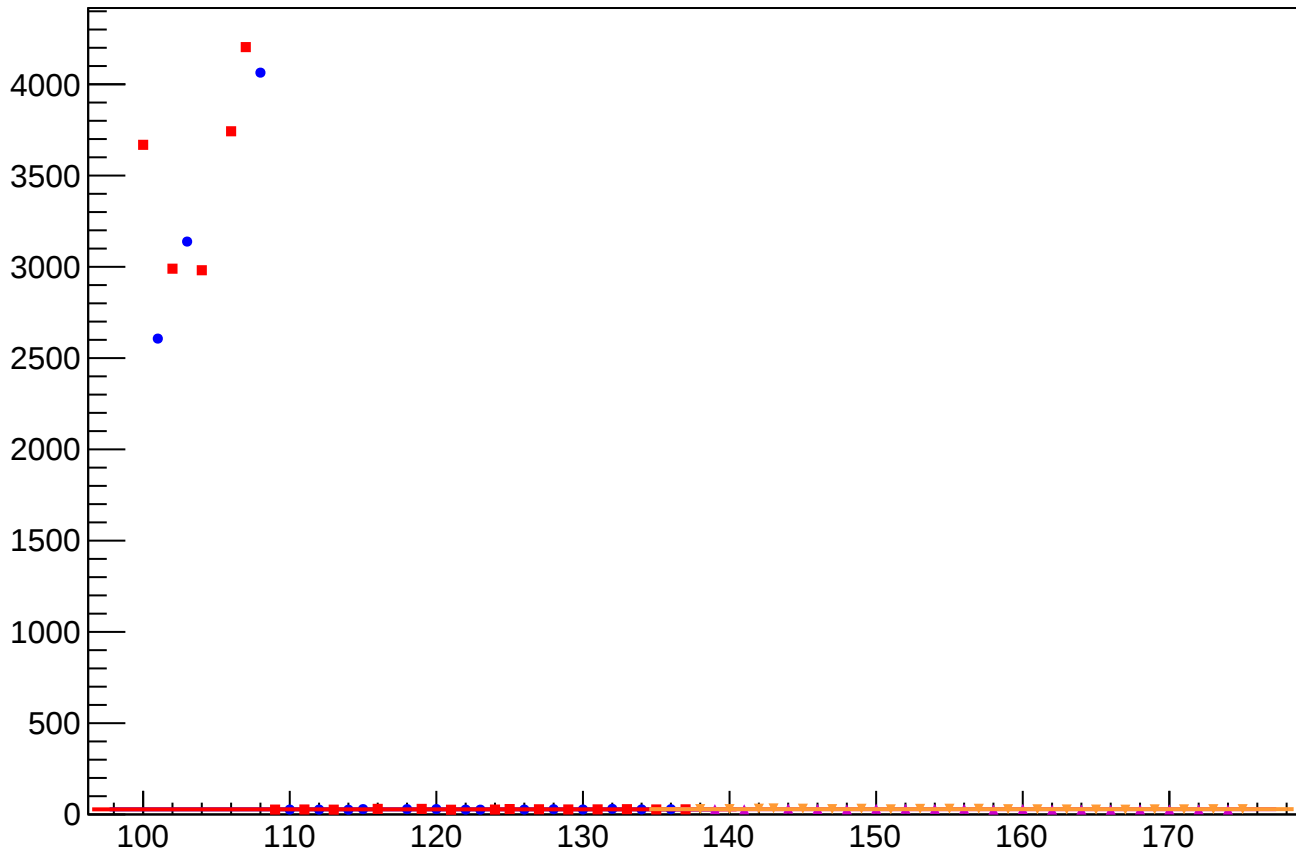
Left In: -3.616 $\pm$ 7.731 χ^2 /NDF:18.8/17

+ sign -6.341 $\pm$ 6.413 χ^2 /NDF: 37.6/36

All: -8.566 $\pm$ 4.582 χ^2 /NDF: 76.5/73

- sign -10.888 $\pm$ 6.550 χ^2 /NDF: 38.7/36

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: 29.049 $\pm$ 0.005 χ^2 /NDF: 102338.4/19

Right Out: 27.918 $\pm$ 0.009 χ^2 /NDF: 3479690.8/18

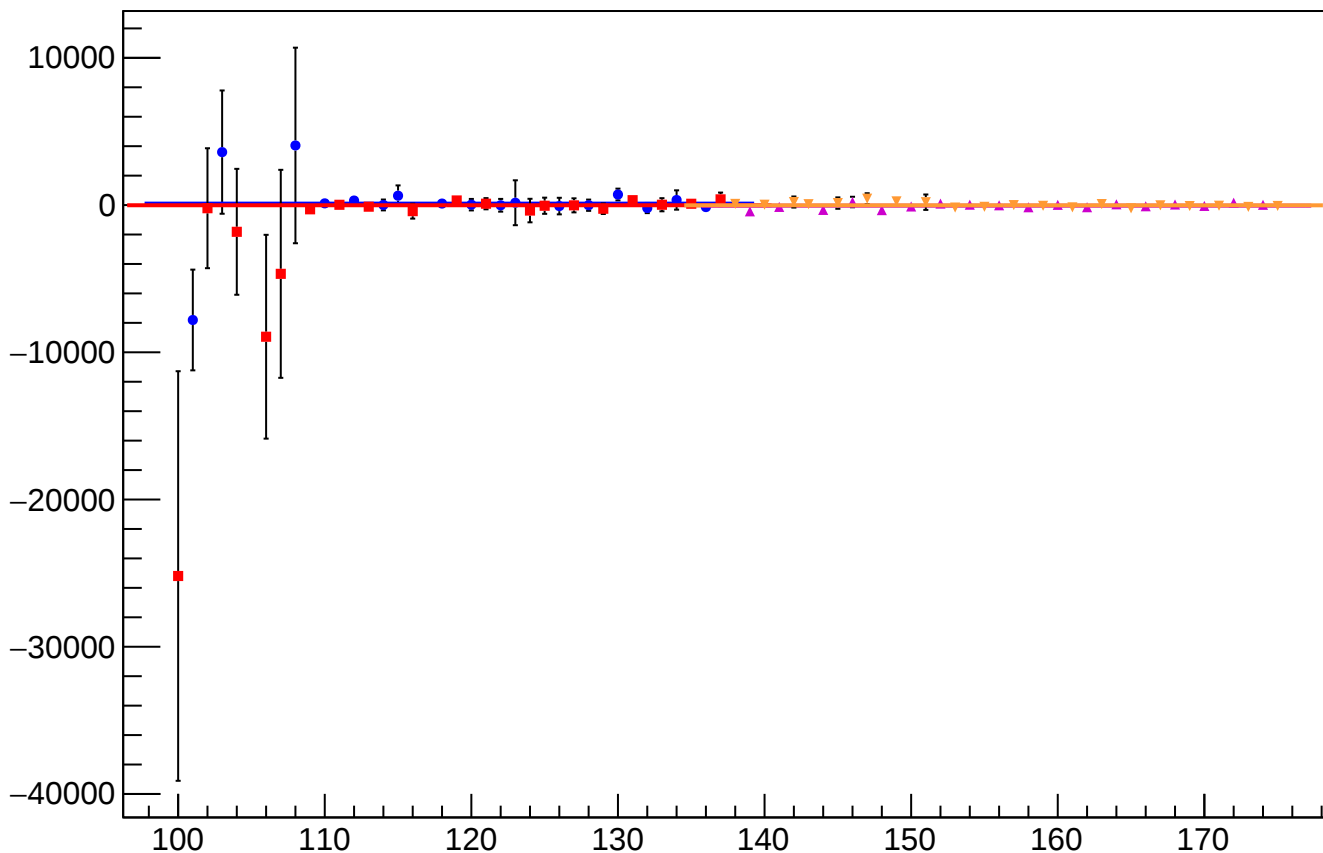
Left In: 28.878 $\pm$ 0.005 χ^2 /NDF: 118623.9/17

+ sign 28.778 $\pm$ 0.005 χ^2 /NDF: 3139886.1/36

All: 28.695 $\pm$ 0.003 χ^2 /NDF: 6747598.0/73

- sign 28.607 $\pm$ 0.005 χ^2 /NDF: 3607012.9/36

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: -16.107 $\pm$ 58.392 χ^2 /NDF: 5.3/19

Right Out: -11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

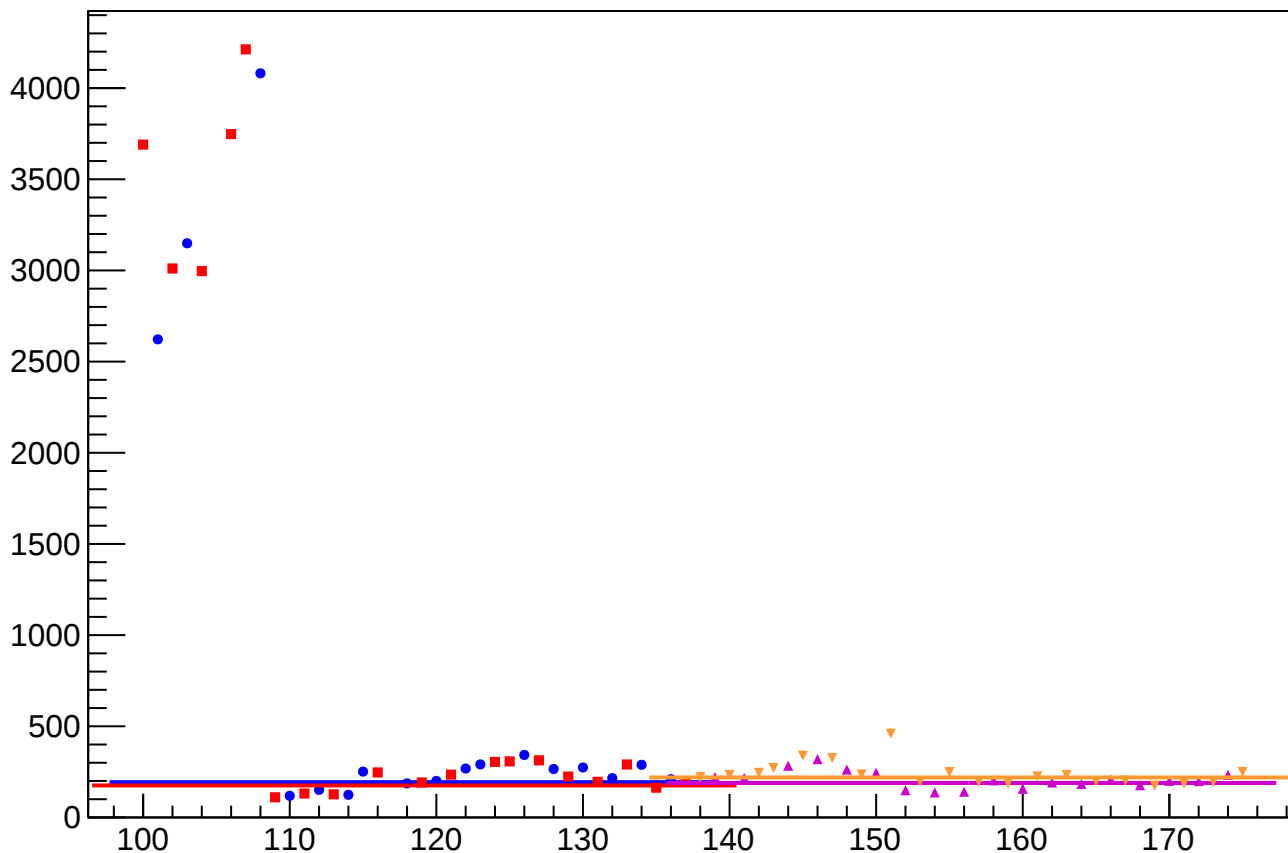
Left In: -41.444 $\pm$ 52.895 χ^2 /NDF: 7.0/17

+ sign 18.164 $\pm$ 48.855 χ^2 /NDF: 19.0/36

All: -9.673 $\pm$ 32.863 χ^2 /NDF: 39.0/73

- sign -32.678 $\pm$ 44.413 χ^2 /NDF: 19.4/36

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: 219.477+/-0.041 χ^2/NDF :1186493.8/19

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

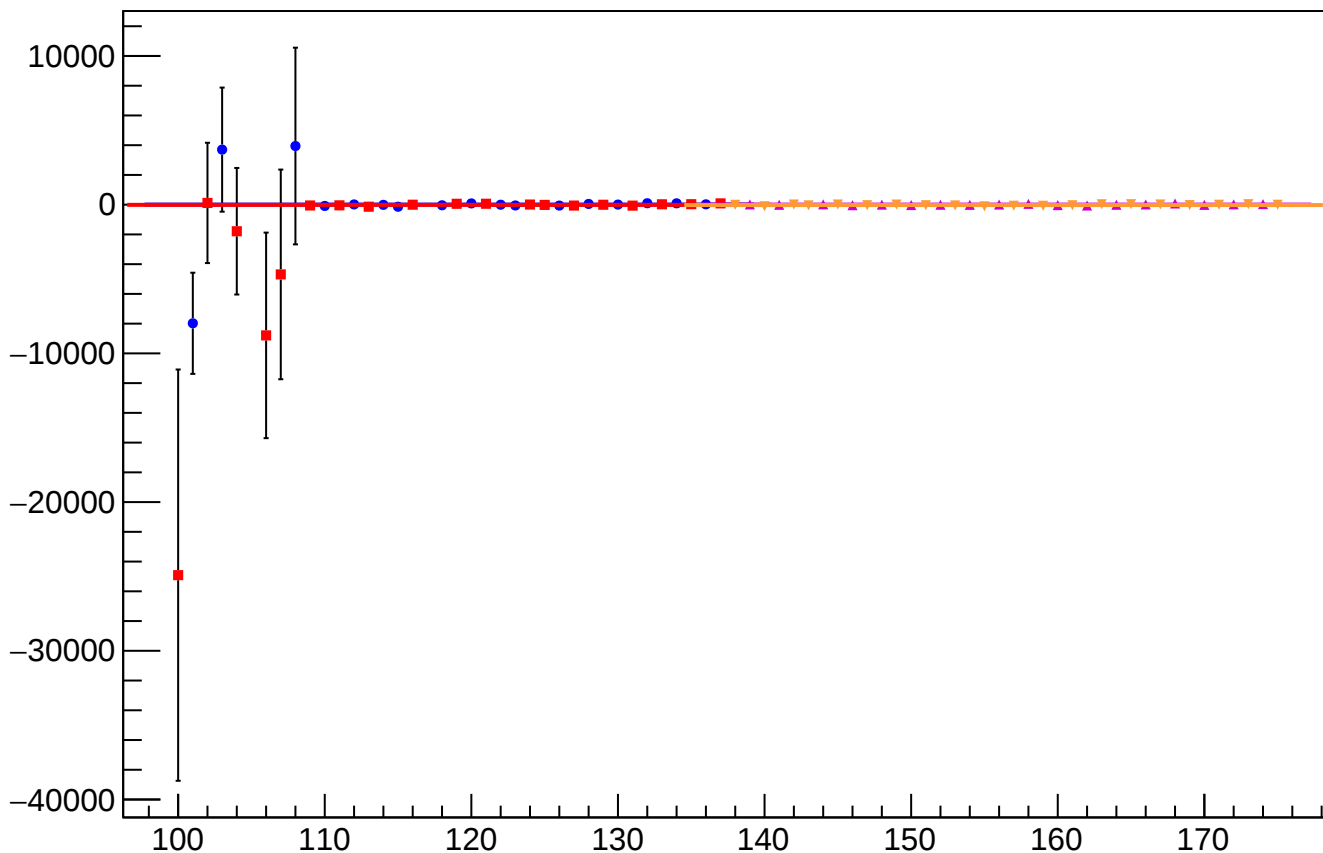
Left In: 189.093+/-0.037 χ^2/NDF :1349049.6/17

+ sign 211.690+/-0.035 χ^2/NDF : 4842027.7/36

All: 197.124+/-0.023 χ^2/NDF : 10720276.6/73

- sign 185.086+/-0.031 χ^2/NDF : 5553533.9/36

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: -25.292 $\pm$ 8.960 χ^2 /NDF:22.3/19

Right Out: -12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

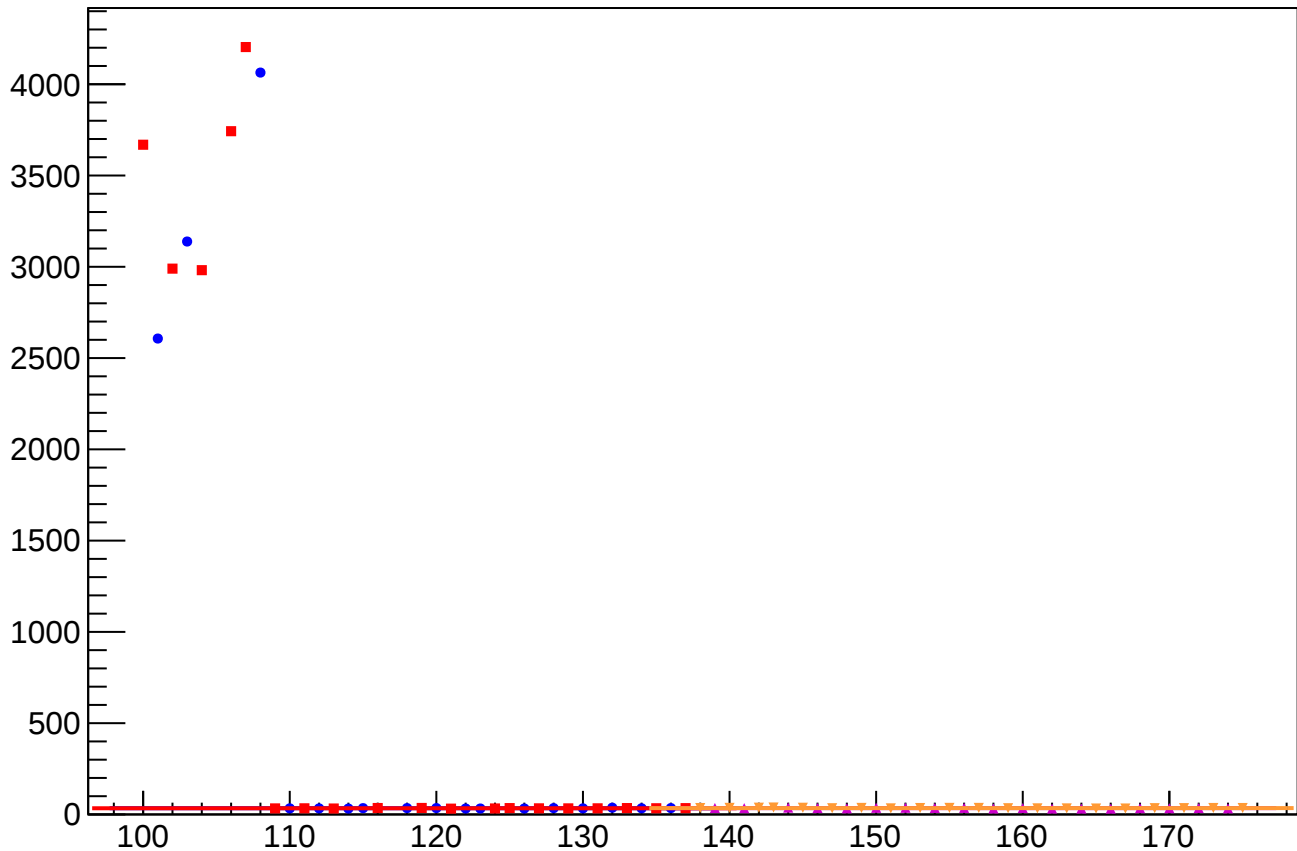
Left In: 5.625 $\pm$ 9.259 χ^2 /NDF:12.9/17

+ sign -17.218 $\pm$ 7.699 χ^2 /NDF: 45.9/36

All: -8.459 $\pm$ 5.504 χ^2 /NDF: 84.4/73

- sign 0.696 $\pm$ 7.872 χ^2 /NDF: 35.9/36

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: 34.762 $\pm$ 0.006 χ^2 /NDF: 47757.6/19

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

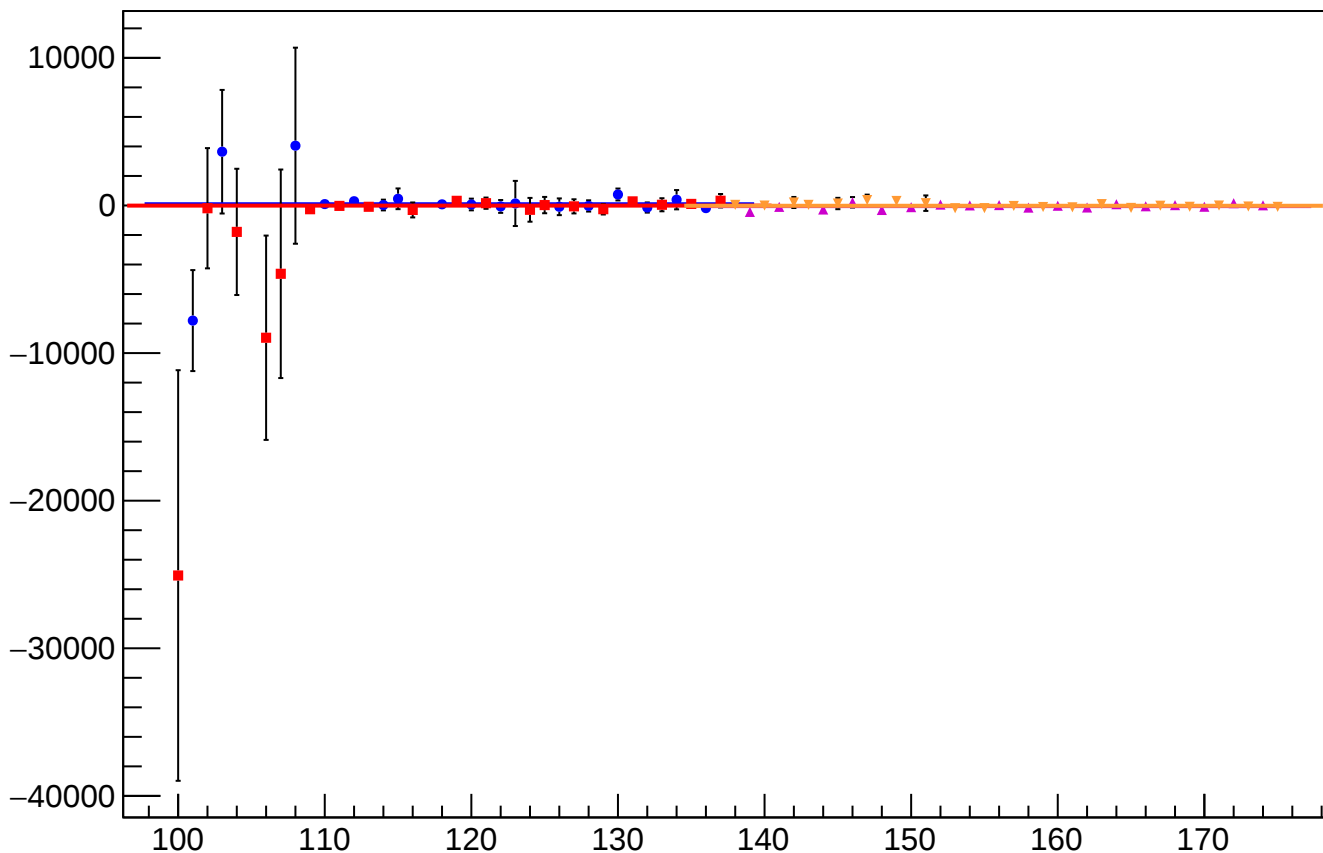
Left In: 34.651 $\pm$ 0.007 χ^2 /NDF: 53238.6/17

+ sign 34.606 $\pm$ 0.005 χ^2 /NDF: 3056571.2/36

All: 34.528 $\pm$ 0.004 χ^2 /NDF: 6565670.7/73

- sign 34.447 $\pm$ 0.006 χ^2 /NDF: 3508679.7/36

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: -19.426+/-58.283 χ^2/NDF : 5.3/19

Right Out: -8.565+/-81.257 χ^2/NDF : 11.1/18

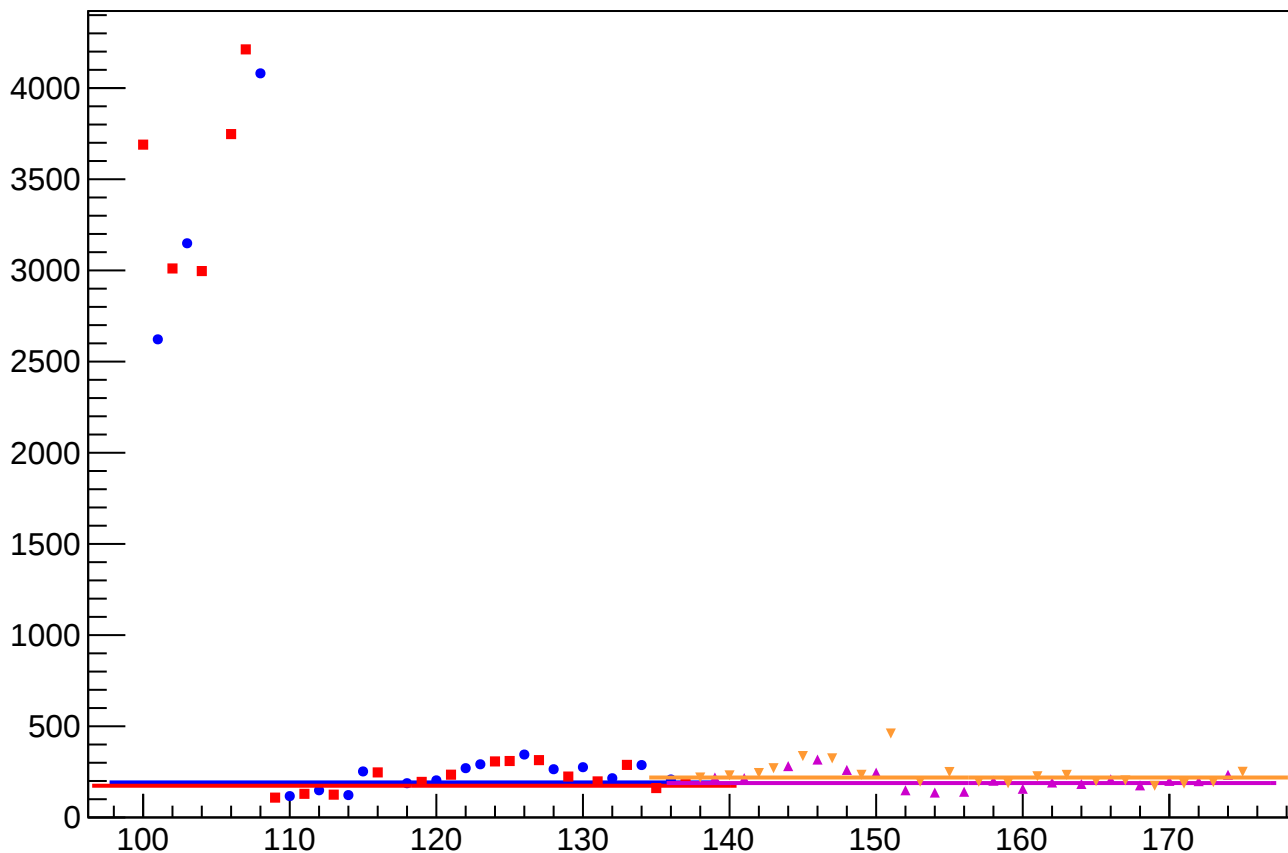
Left In: -42.137+/-52.768 χ^2/NDF : 6.4/17

+ sign 11.892+/-48.717 χ^2/NDF : 18.8/36

All: -12.253+/-32.757 χ^2/NDF : 36.8/73

- sign -32.178+/-44.255 χ^2/NDF : 17.6/36

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: 219.070+/-0.041 χ^2/NDF : 1179678.5/19

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

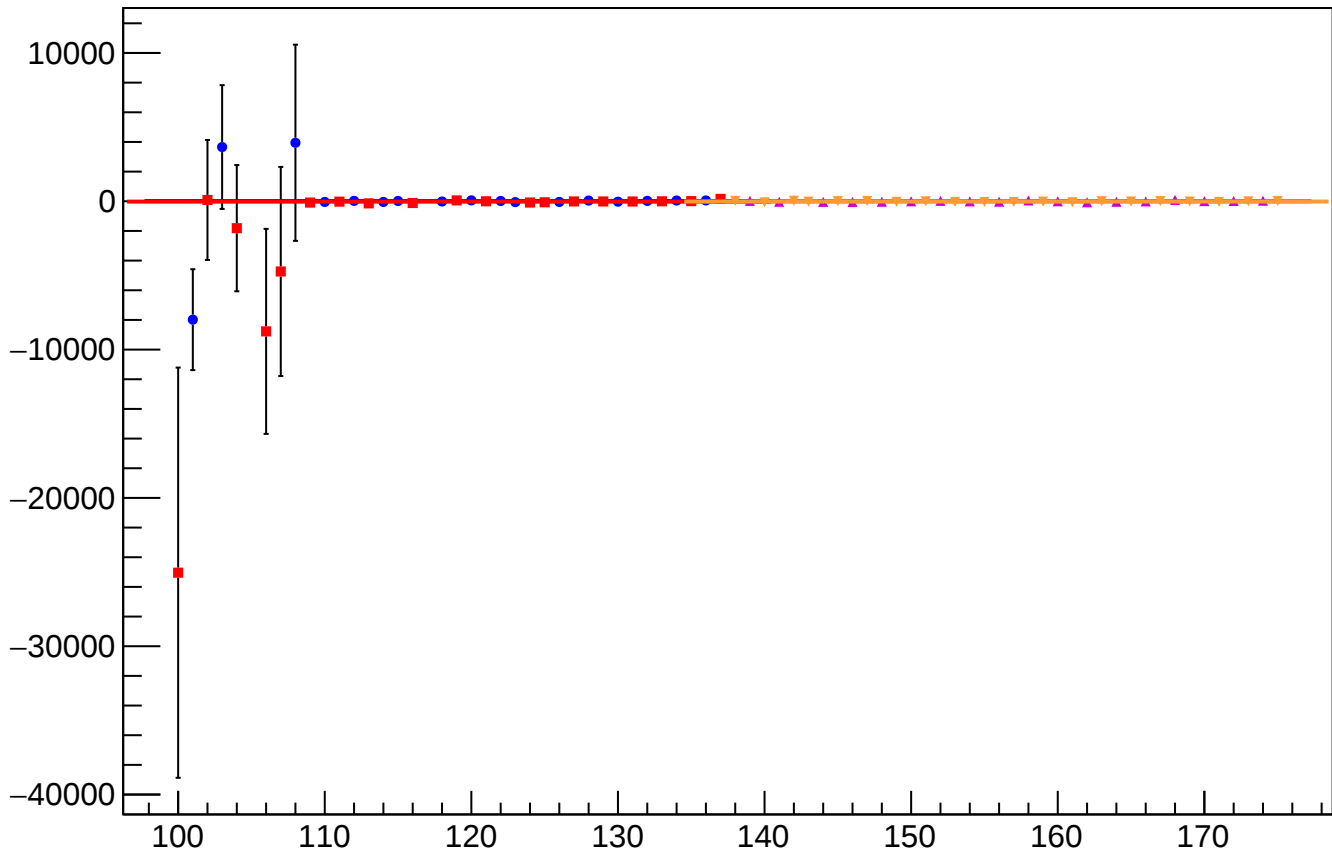
Left In: 188.637+/-0.037 χ^2/NDF : 1339583.0/17

+ sign 210.966+/-0.034 χ^2/NDF : 4882614.8/36

All: 196.348+/-0.023 χ^2/NDF : 10808418.2/73

- sign 184.284+/-0.031 χ^2/NDF : 5597091.8/36

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: -18.279+/-8.109 χ^2/NDF :13.9/19

Right Out: -22.618+/-13.660 χ^2/NDF : 28.0/18

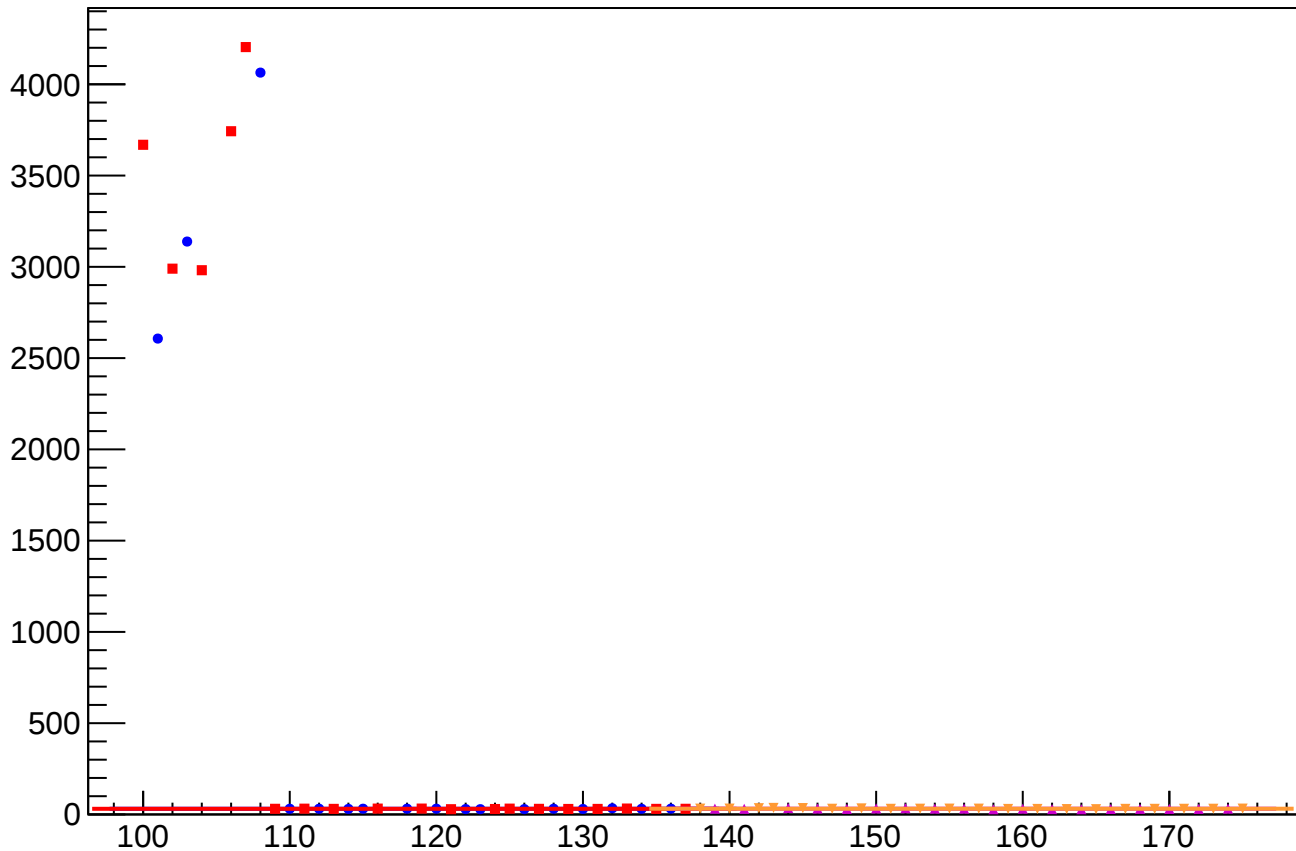
Left In: 0.660+/-8.387 χ^2/NDF :23.2/17

+ sign -10.248+/-6.982 χ^2/NDF : 32.3/36

All: -8.033+/-4.994 χ^2/NDF : 85.9/73

- sign -5.712+/-7.147 χ^2/NDF : 53.4/36

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 31.432+/-0.006 χ^2/NDF : 74267.1/19

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

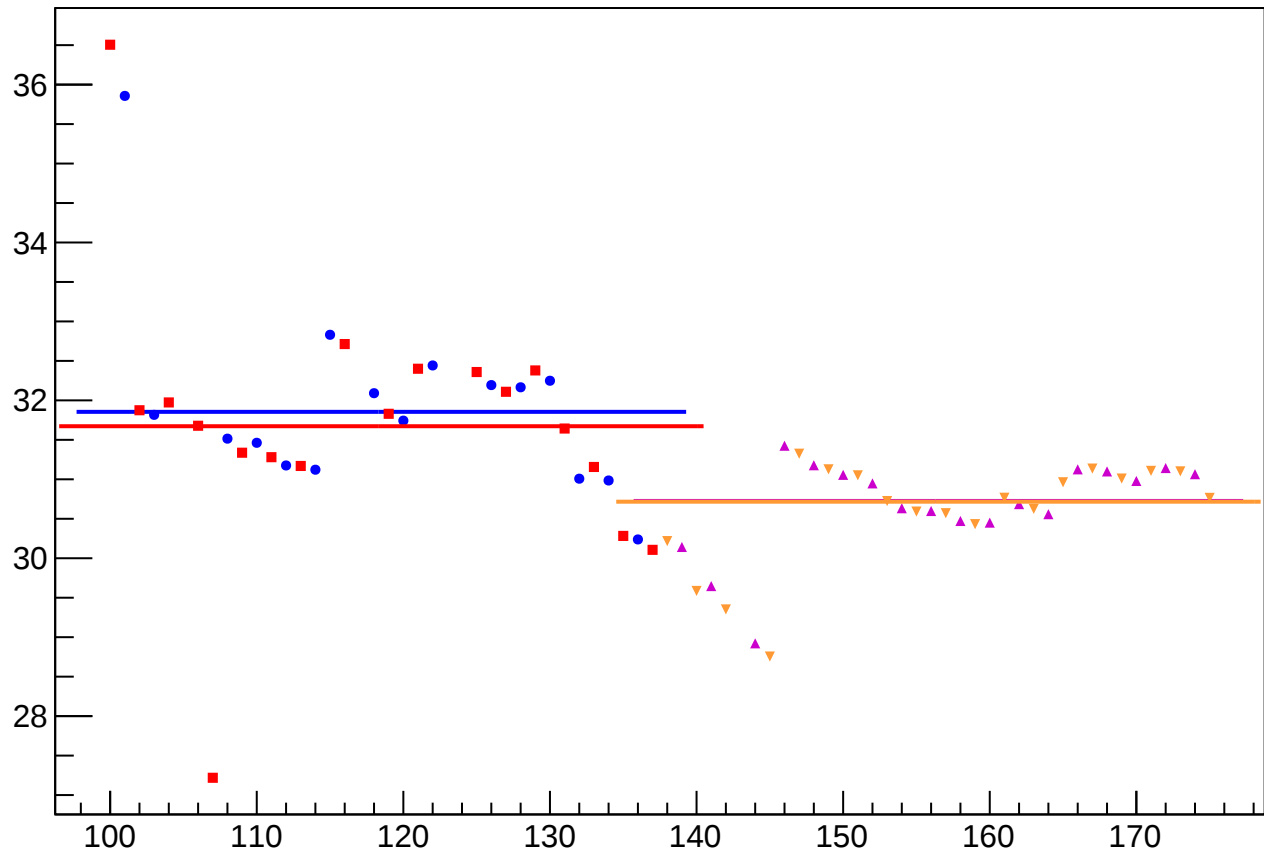
Left In: 31.347+/-0.006 χ^2/NDF : 82510.4/17

+ sign 31.360+/-0.005 χ^2/NDF : 3089393.9/36

All: 31.302+/-0.004 χ^2/NDF : 6632257.2/73

- sign 31.242+/-0.005 χ^2/NDF : 3542584.1/36

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.716+/-0.000 χ^2/NDF : 722775855.4/18

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

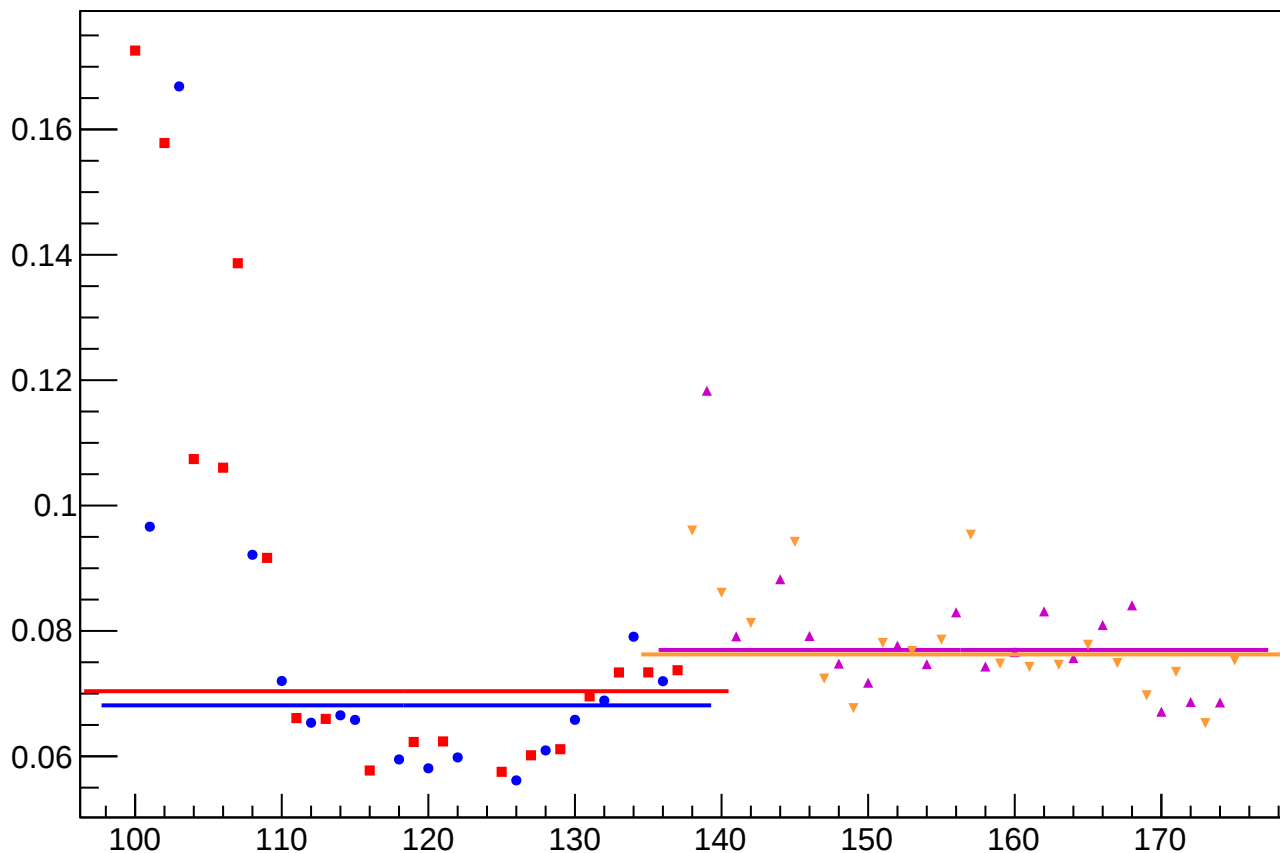
Left In: 30.726+/-0.000 χ^2/NDF : 681270373.8/17

+ sign 31.123+/-0.000 χ^2/NDF : 3328763849.9/34

All: 31.095+/-0.000 χ^2/NDF : 5620634375.2/7

- sign 31.065+/-0.000 χ^2/NDF : 2286044220.9/35

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:267218.5/18

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

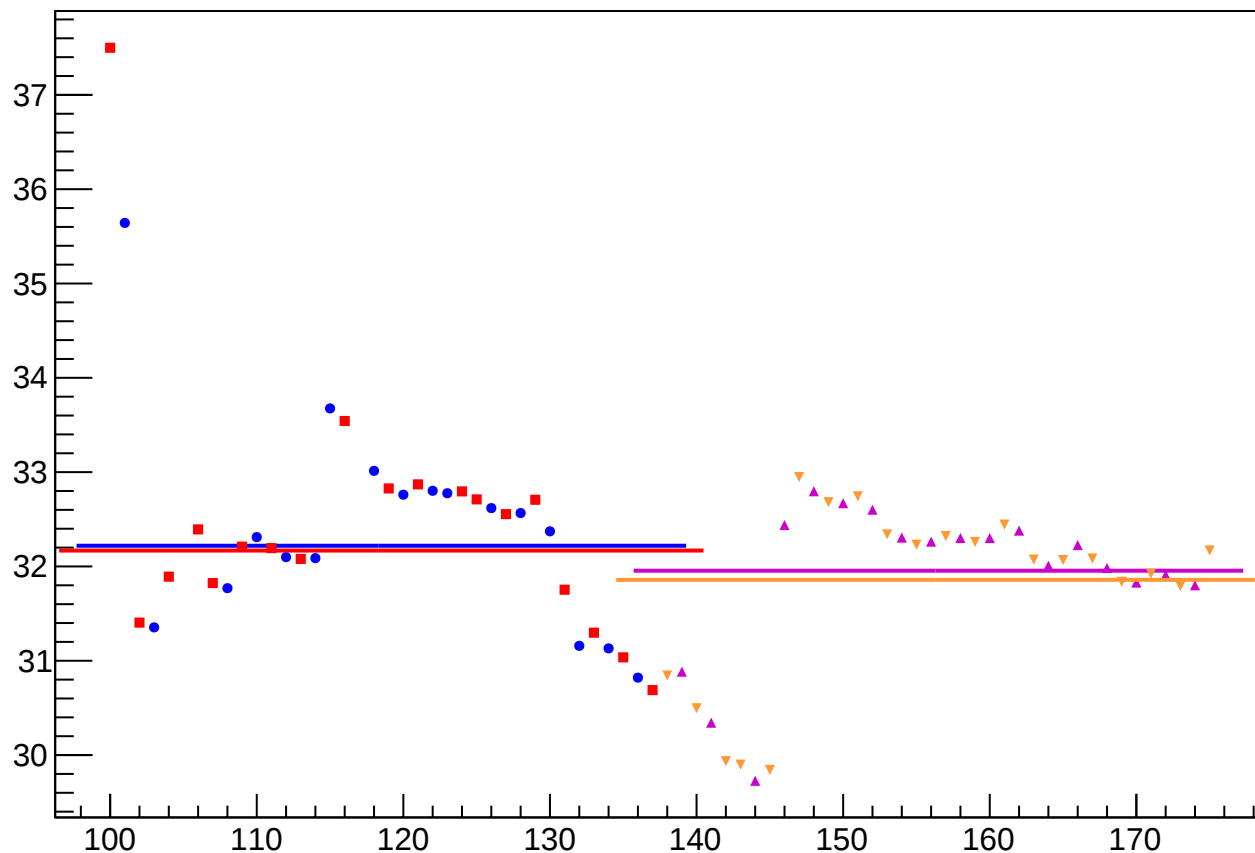
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:313628.7/17

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 1002626.5/34

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 2229385.5/70

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 1221336.3/35

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.858+/-0.000 χ^2/NDF : 1840330753.0/19

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

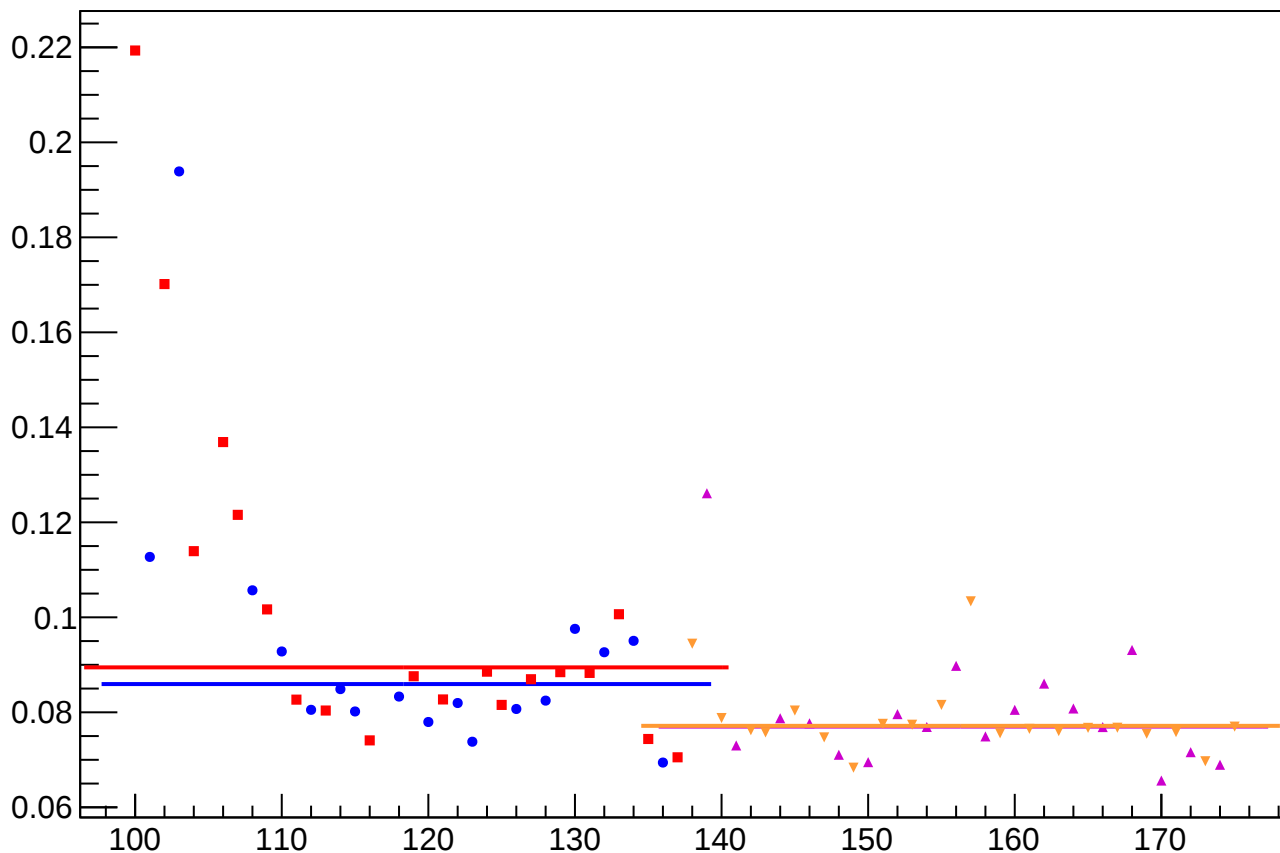
Left In: 31.955+/-0.000 χ^2/NDF : 1407644173.6/17

+ sign 31.950+/-0.000 χ^2/NDF : 2930703680.4/36

All: 31.979+/-0.000 χ^2/NDF : 4812096285.0/71

- sign 32.011+/-0.000 χ^2/NDF : 1875806034.0/36

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 553280.3/16

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:180207.2/19

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 539869.9/18

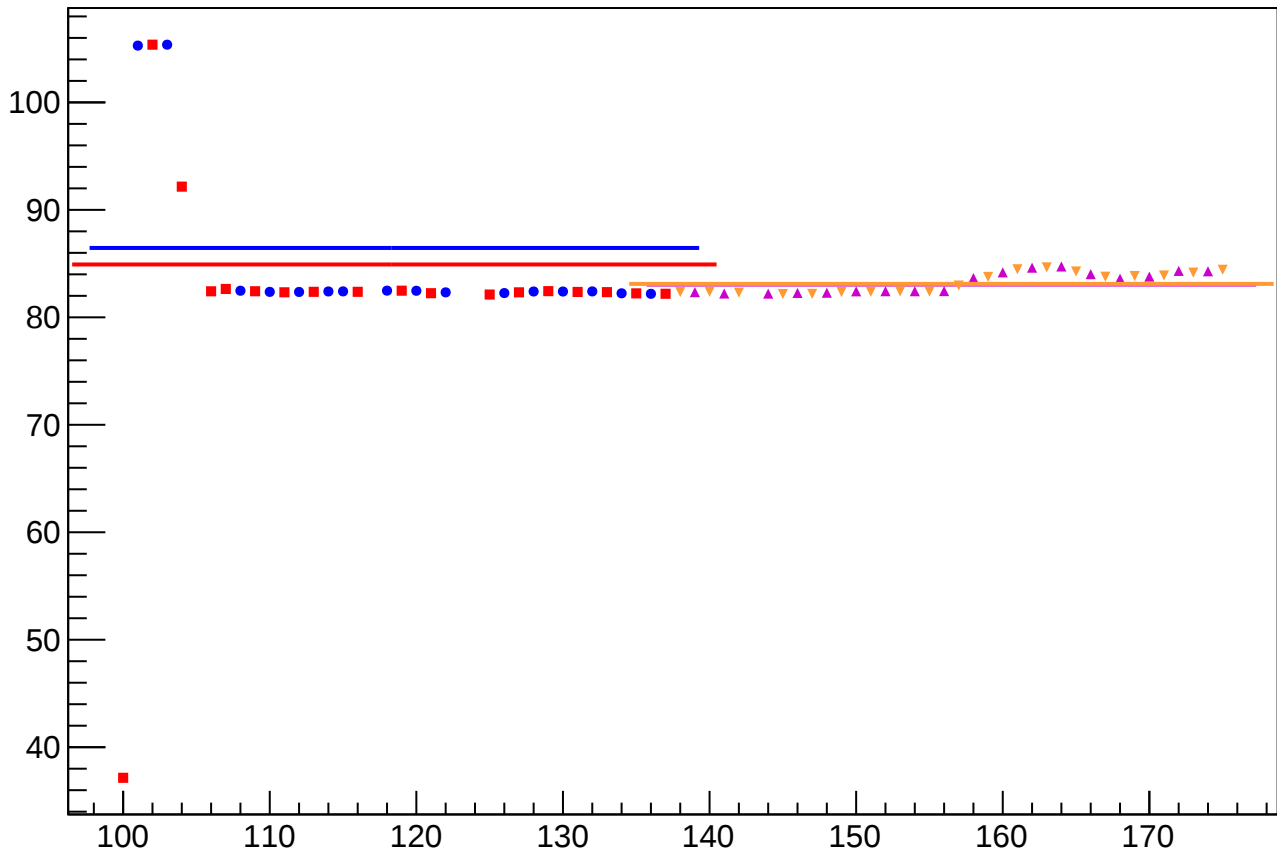
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:421209.0/17

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 824020.3/36

All: 0.080 $\pm$ 0.000 χ^2 /NDF: 1963585.6/73

- sign 0.080 $\pm$ 0.000 χ^2 /NDF: 1137310.8/36

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 83.112+/-0.000 χ^2/NDF : 5564144226.3/18

Right Out: 84.920+/-0.000 χ^2/NDF : 172195187677.7/17

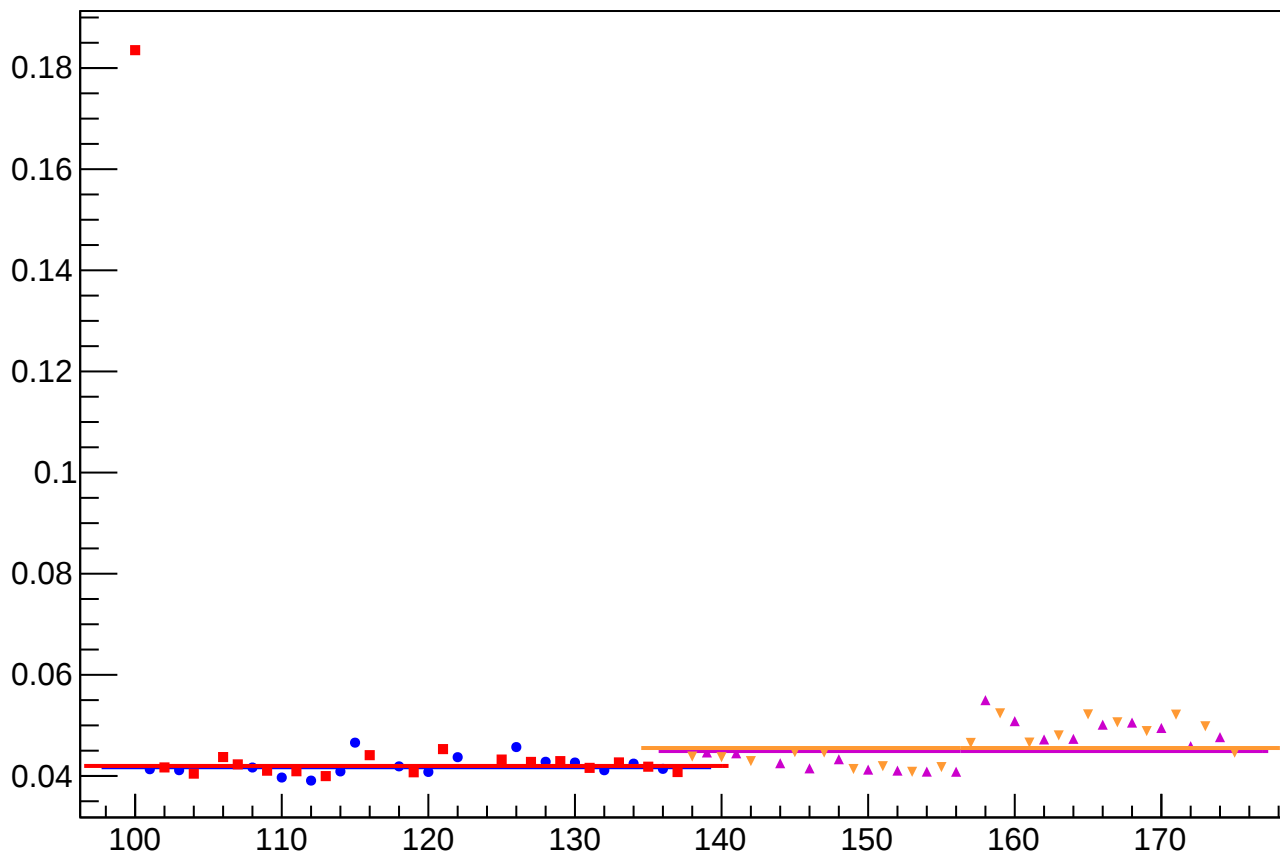
Left In: 83.051+/-0.000 χ^2/NDF : 5614031610.3/17

+ sign 84.314+/-0.000 χ^2/NDF : 323997260054.0/34

All: 84.022+/-0.000 χ^2/NDF : 512223664030.0

- sign 83.735+/-0.000 χ^2/NDF : 186455462885.2/35

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.046 $\pm$ 0.000 χ^2 /NDF:179088.2/18

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96869.3/17

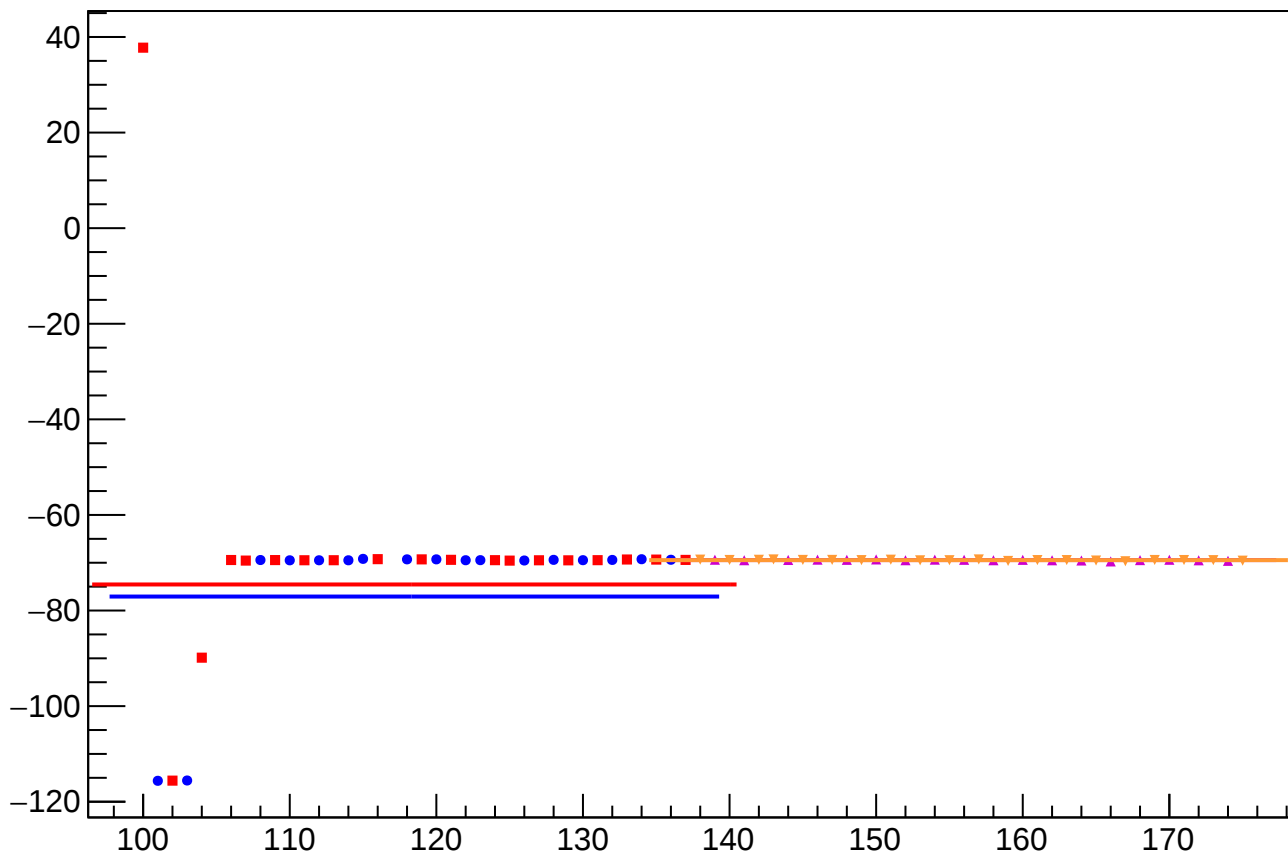
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:209775.7/17

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 267660.9/34

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 618283.9/70

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 349578.4/35

yield_dsr_mean vs Slug



Right In: -77.074 $\pm$ 0.000 χ^2 /NDF: 565391865606.1/16

Left Out: -69.456 $\pm$ 0.000 χ^2 /NDF: 42684633.0/19

Right Out: -74.547 $\pm$ 0.000 χ^2 /NDF: 371890102737.4/18

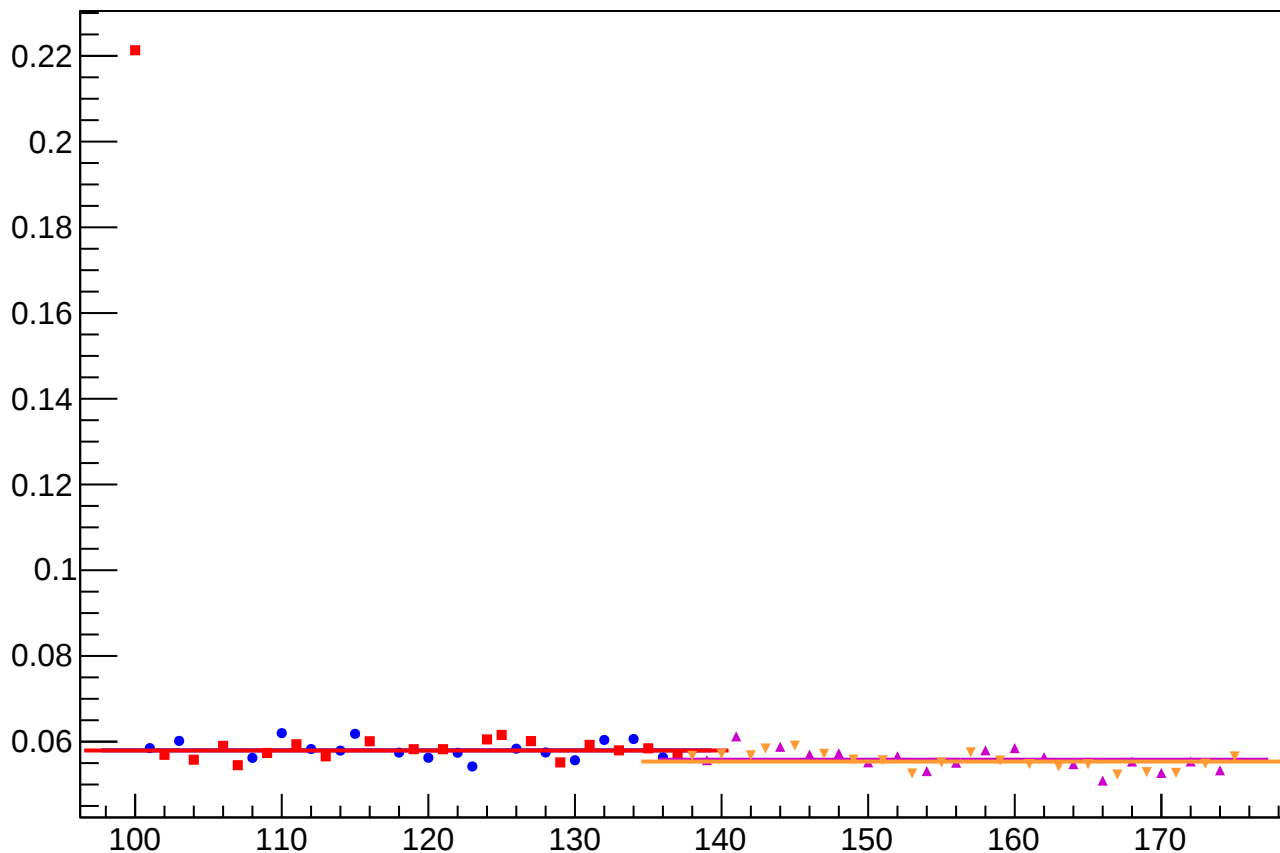
Left In: -69.441 $\pm$ 0.000 χ^2 /NDF: 39731420.3/17

+ sign -71.649 $\pm$ 0.000 χ^2 /NDF: 644581786186.3/3

All: -71.367 $\pm$ 0.000 χ^2 /NDF: 105381479884

- sign -71.073 $\pm$ 0.000 χ^2 /NDF: 408151880062.4/3

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 : 34068.4/19

Right Out: 0.058 ± 0.000 χ^2/NDF : 86466.5/18

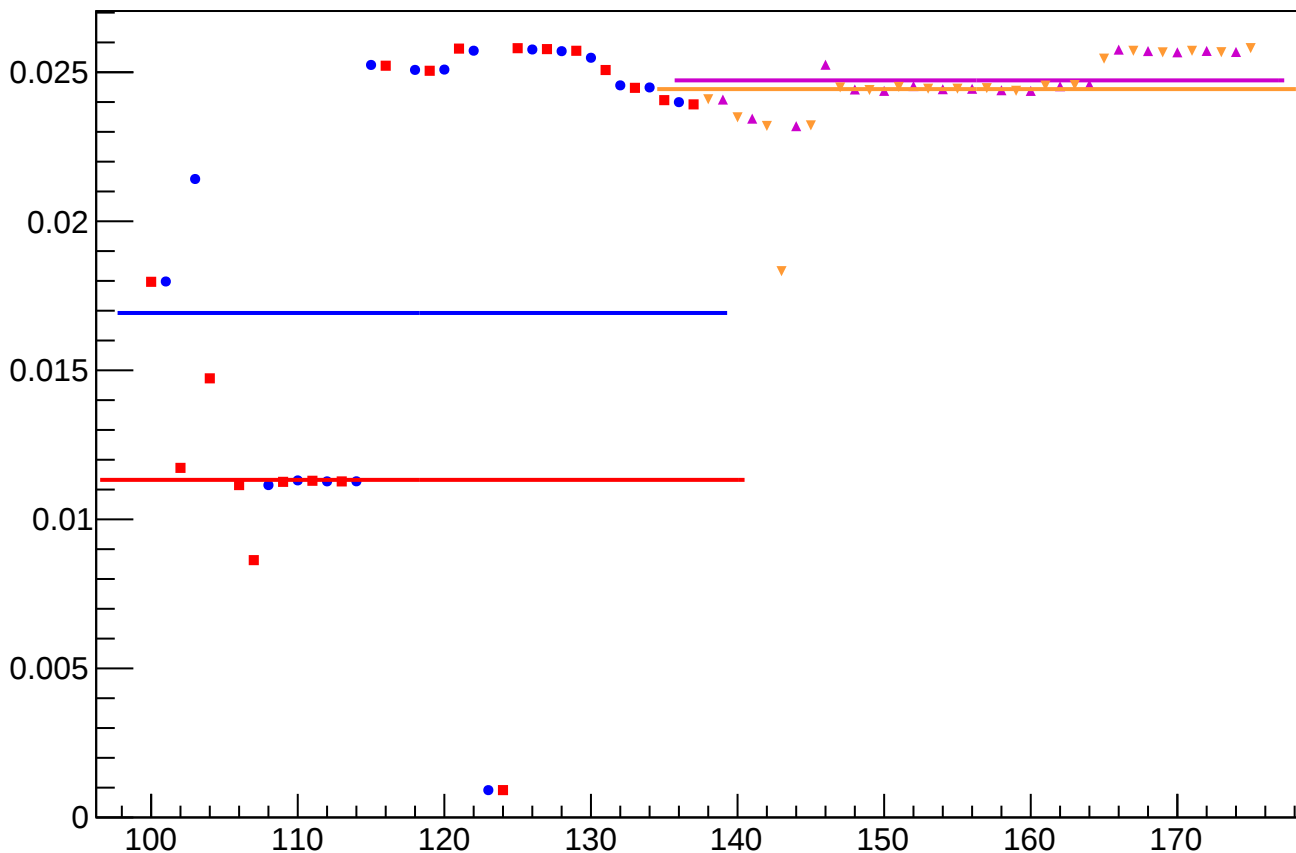
Left In: 0.056 ± 0.000 χ^2/NDF : 48466.6/17

+ sign 0.056 ± 0.000 χ^2/NDF : 64979.7/36

All: 0.056 ± 0.000 χ^2/NDF : 213647.4/73

- sign 0.056 ± 0.000 χ^2/NDF : 147783.6/36

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2/NDF : 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2/NDF : 7310431445.5/19

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 234754769754.2/18

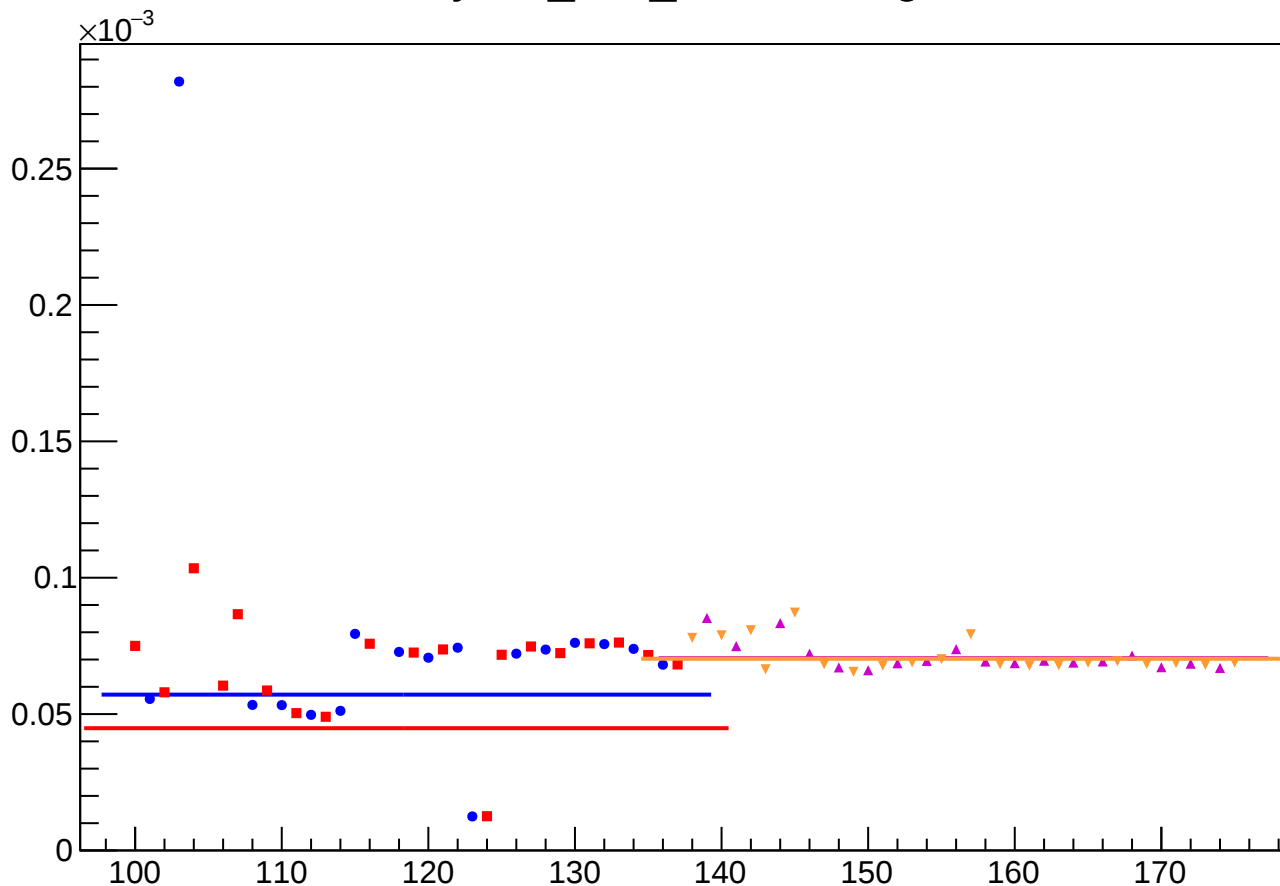
Left In: 0.025 $\pm$ 0.000 χ^2/NDF : 1467653007.0/17

+ sign 0.022 $\pm$ 0.000 χ^2/NDF : 194250128637.6/36

All: 0.020 $\pm$ 0.000 χ^2/NDF : 686567749943.5

- sign 0.019 $\pm$ 0.000 χ^2/NDF : 467035532655.0/36

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 :146597.1/19

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

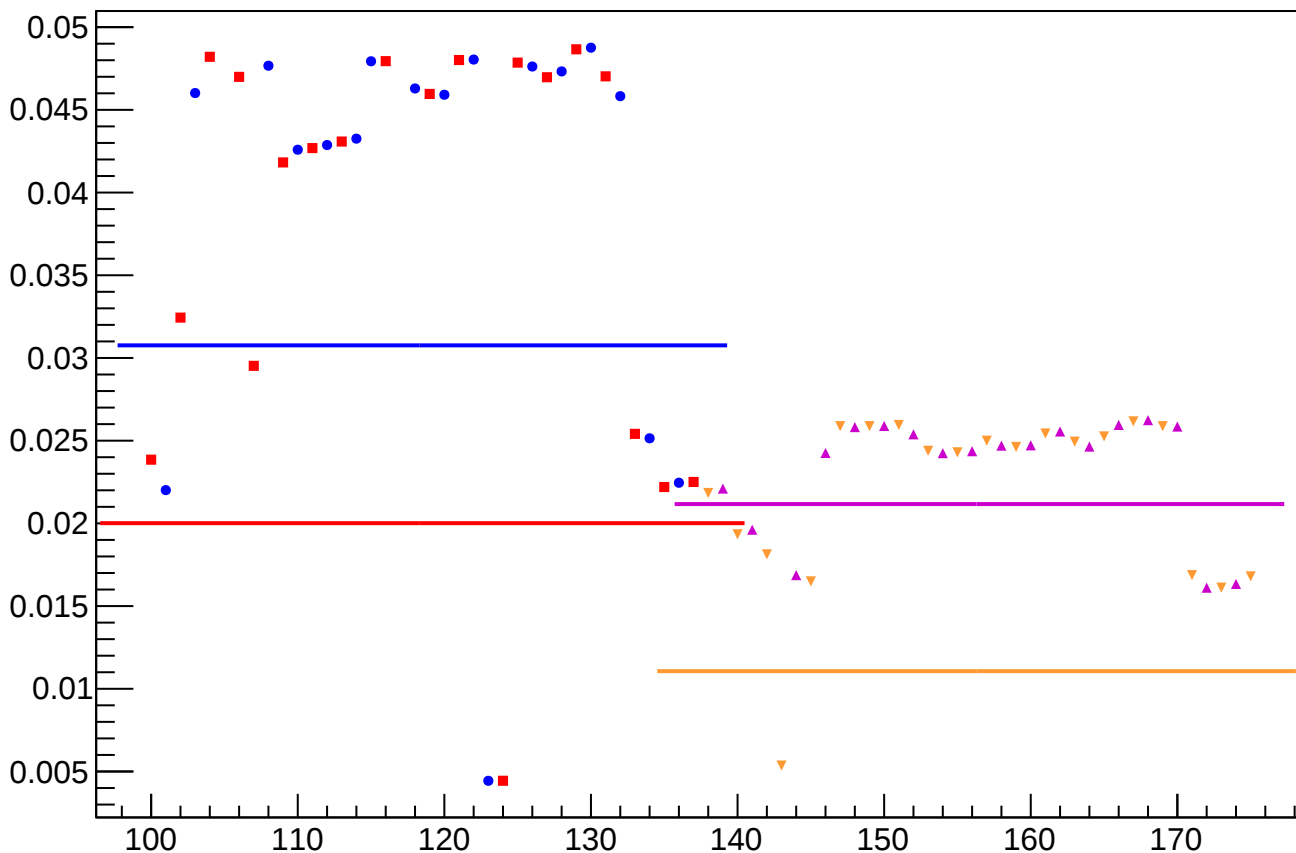
Left In: 0.000+/-0.000 χ^2/NDF :117726.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 2519007.1/36

All: 0.000+/-0.000 χ^2/NDF : 8161337.3/73

- sign 0.000+/-0.000 χ^2/NDF : 5405140.6/36

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 : 34336548242.2/19

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

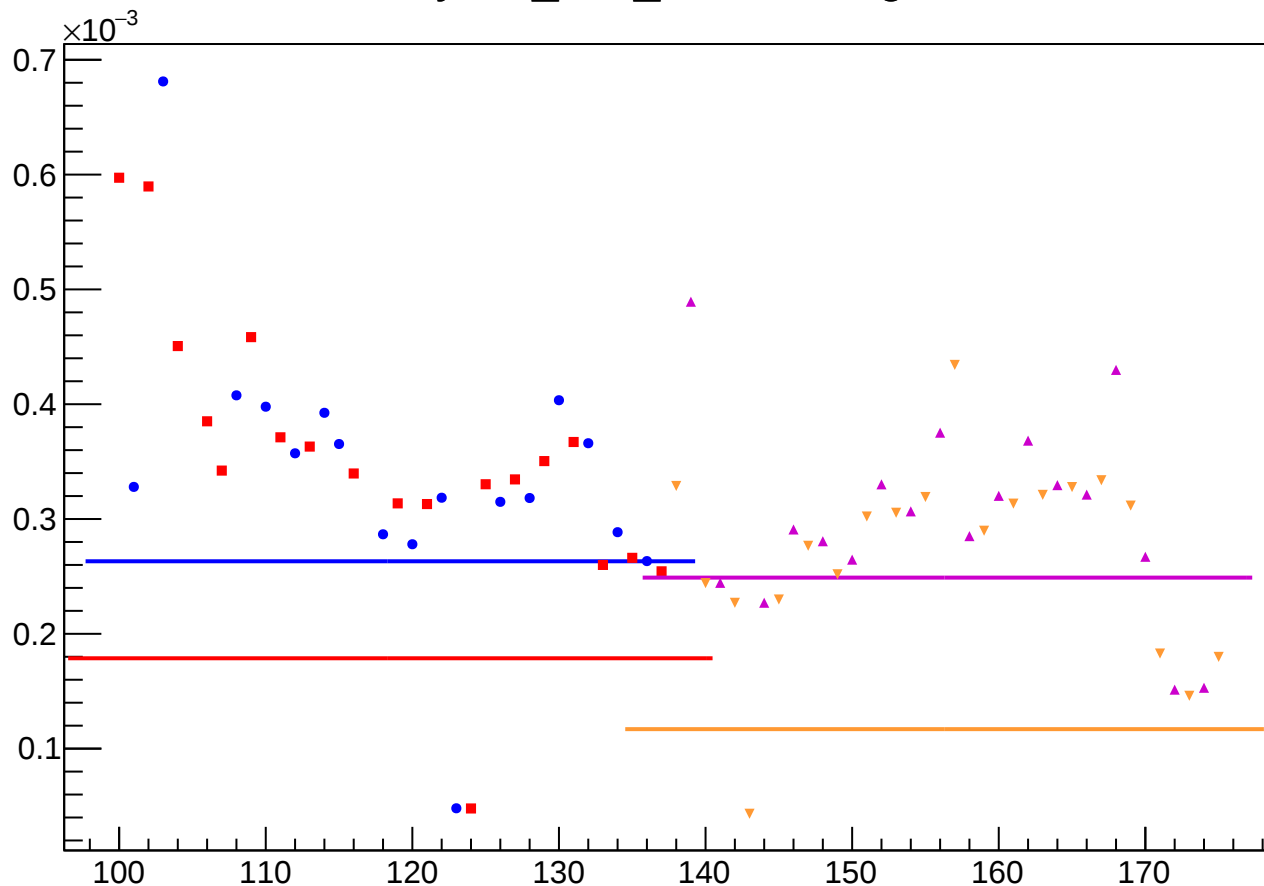
Left In: 0.021+/-0.000 χ^2/NDF : 3445116515.7/17

+ sign 0.013+/-0.000 χ^2/NDF : 79859249948.6/36

All: 0.016+/-0.000 χ^2/NDF : 134729388240.3

- sign 0.021+/-0.000 χ^2/NDF : 43552773345.1/36

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 :12207978.7/19

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

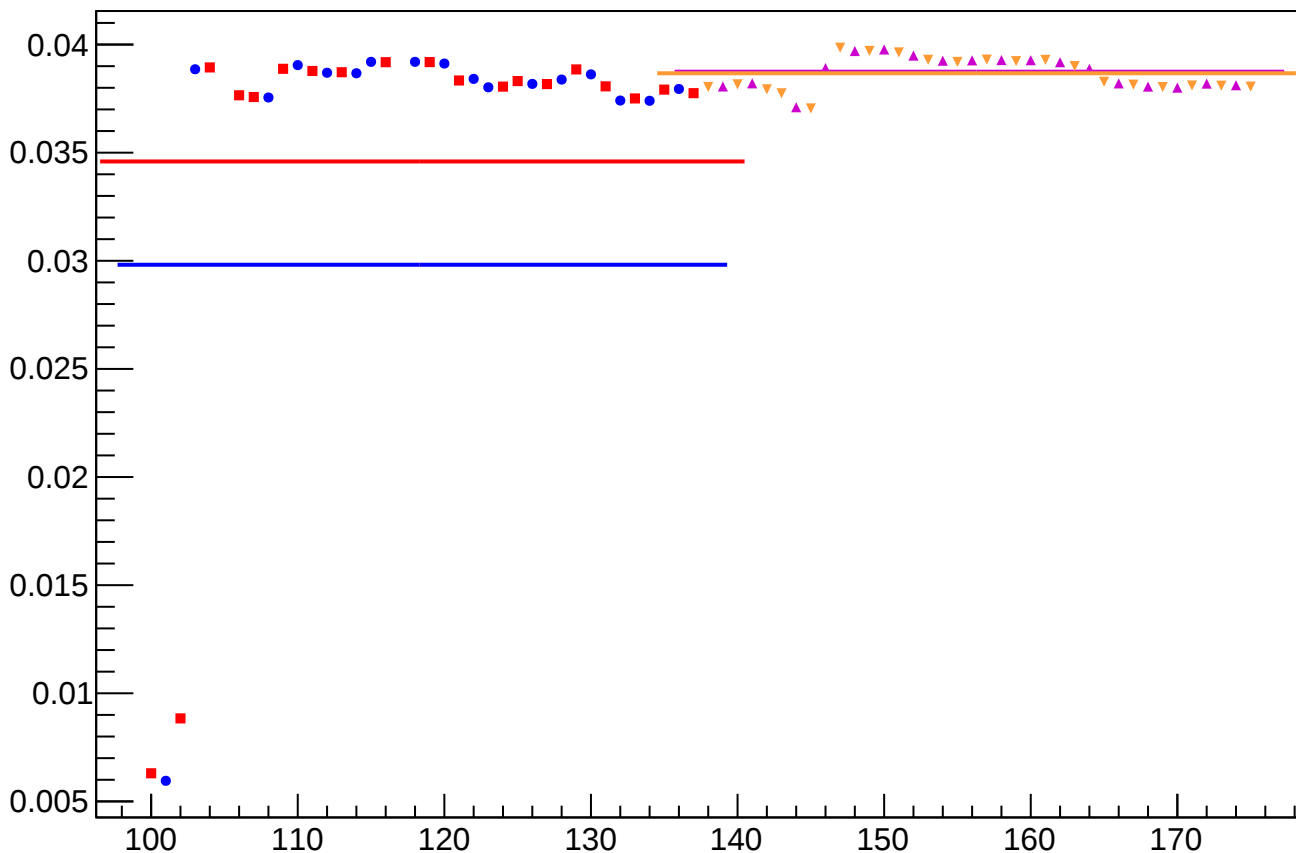
Left In: 0.000+/-0.000 χ^2/NDF :2527189.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 17292488.7/36

All: 0.000+/-0.000 χ^2/NDF : 29088493.4/73

- sign 0.000+/-0.000 χ^2/NDF : 8582268.9/36

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.039+/-0.000 χ^2/NDF : 480784566.3/19

+ sign 0.036+/-0.000 χ^2/NDF : 121523643111.3/36

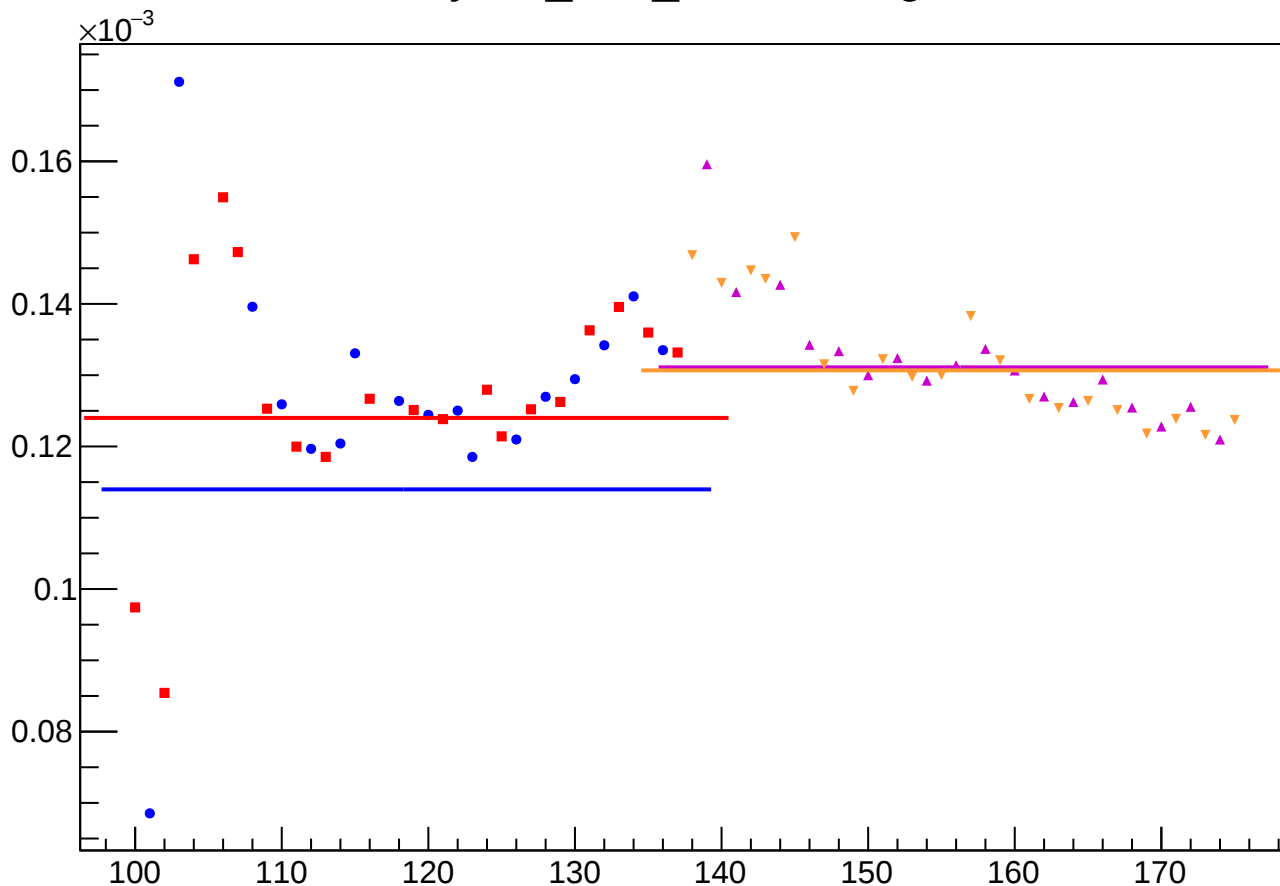
Right Out: 0.035+/-0.000 χ^2/NDF : 43669374279.3/18

All: 0.036+/-0.000 χ^2/NDF : 172405834286.1

Left In: 0.039+/-0.000 χ^2/NDF : 412684088.6/17

- sign 0.037+/-0.000 χ^2/NDF : 48915804351.0/36

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 : 109693.8/19

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

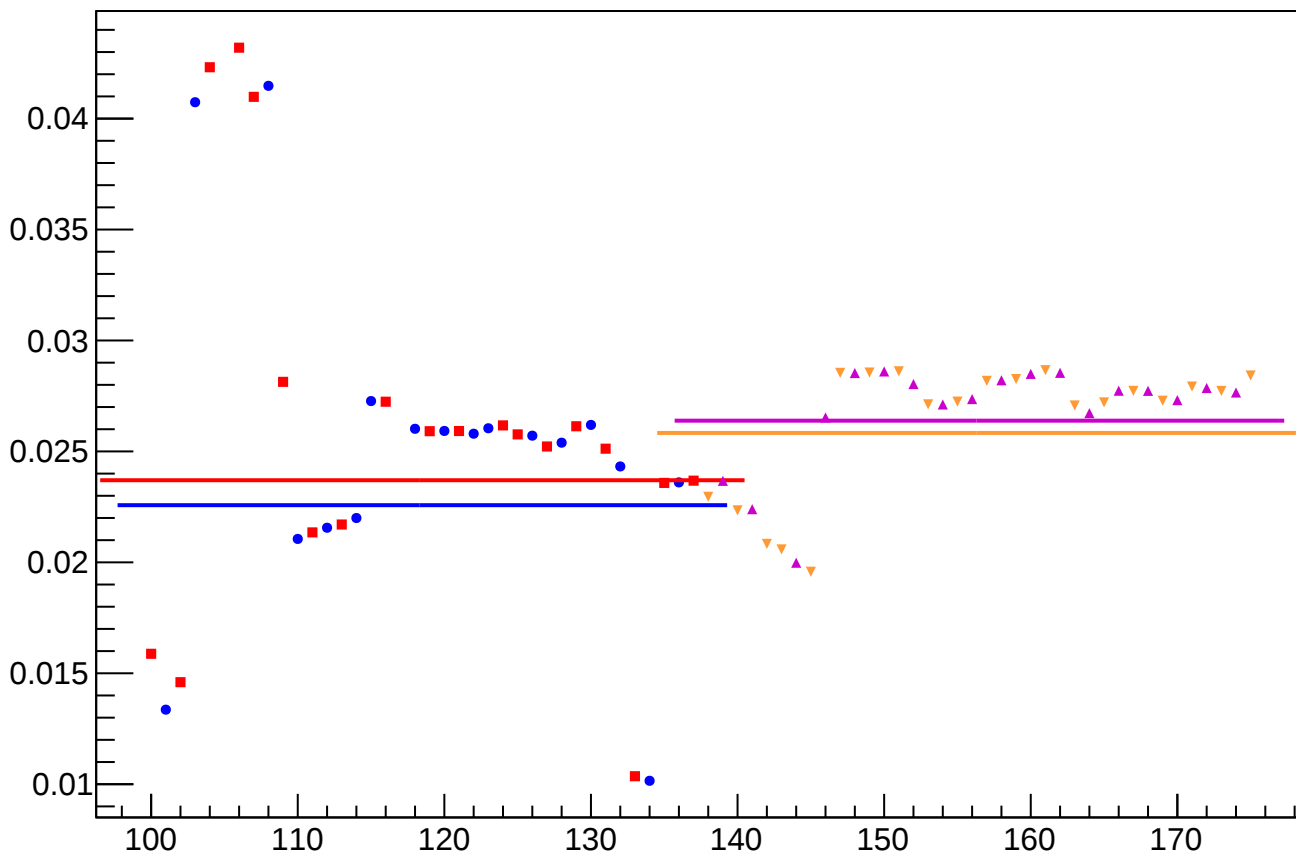
Left In: 0.000+/-0.000 χ^2/NDF : 95755.4/17

+ sign 0.000+/-0.000 χ^2/NDF : 1074166.7/36

All: 0.000+/-0.000 χ^2/NDF : 1462278.9/73

- sign 0.000+/-0.000 χ^2/NDF : 369154.3/36

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 : 1806616937.9/19

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

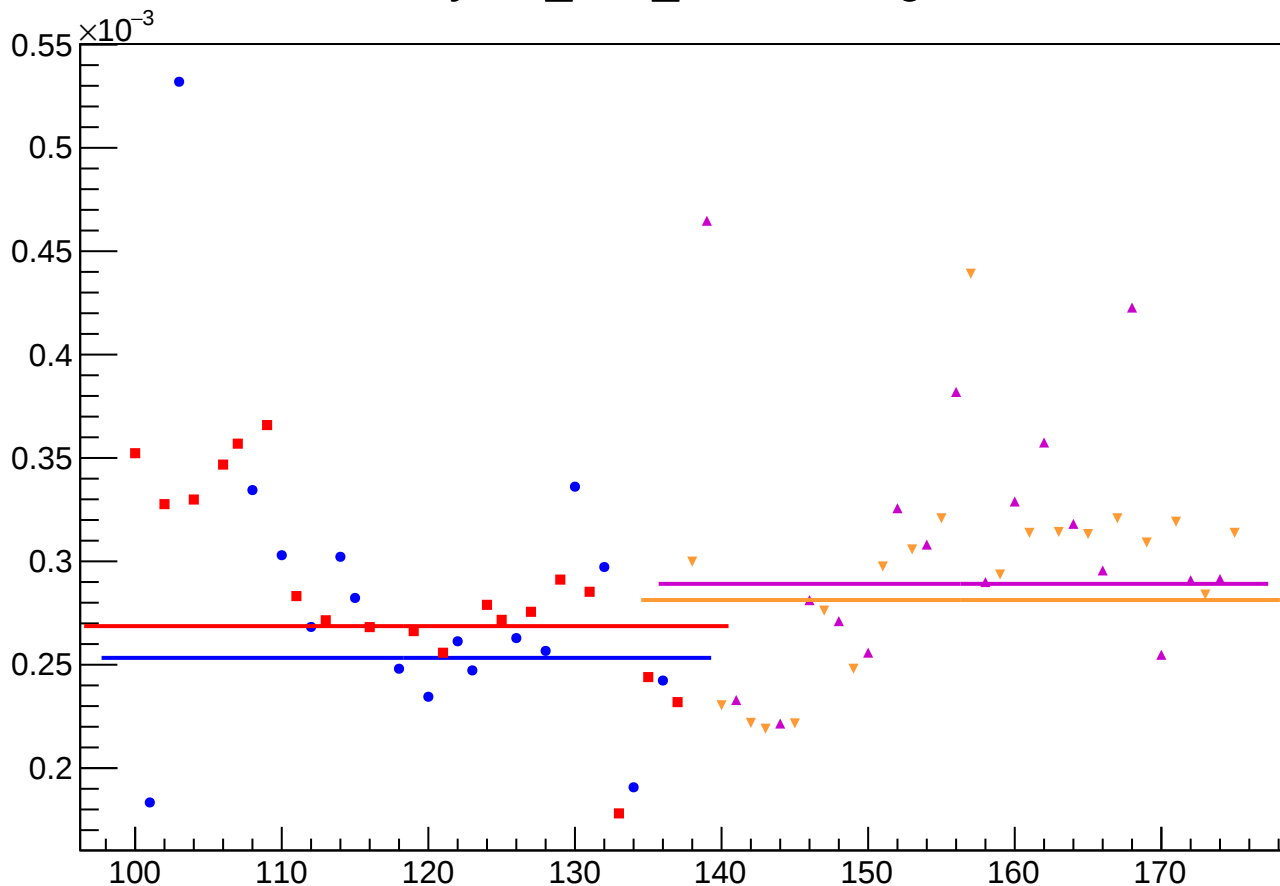
Left In: 0.026+/-0.000 χ^2/NDF : 1182114232.1/17

+ sign 0.025+/-0.000 χ^2/NDF : 6676934755.5/36

All: 0.025+/-0.000 χ^2/NDF : 13966906180.9/7

- sign 0.025+/-0.000 χ^2/NDF : 7226016504.1/36

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 629159.2/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 645365.3/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 428329.0/18

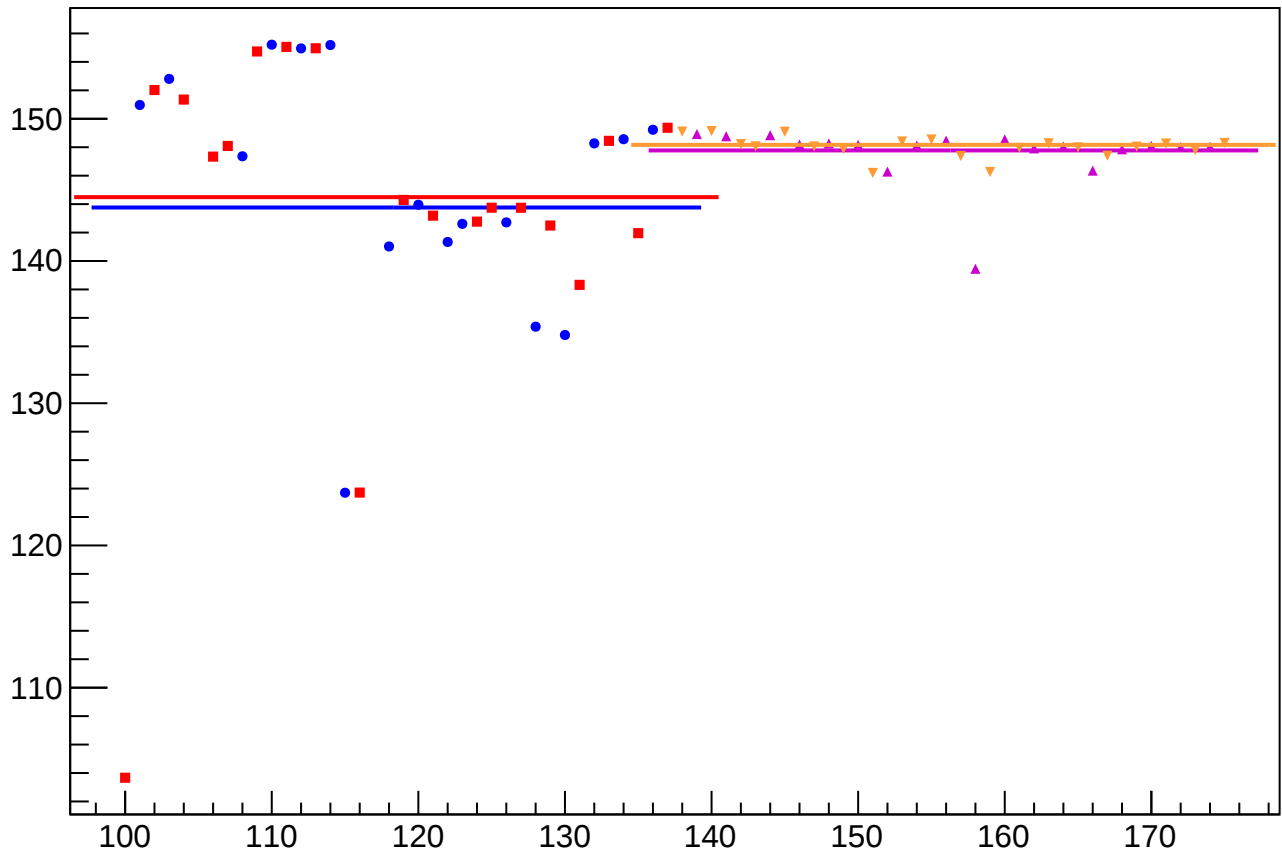
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 841800.3/17

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1366366.1/36

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 2707792.9/73

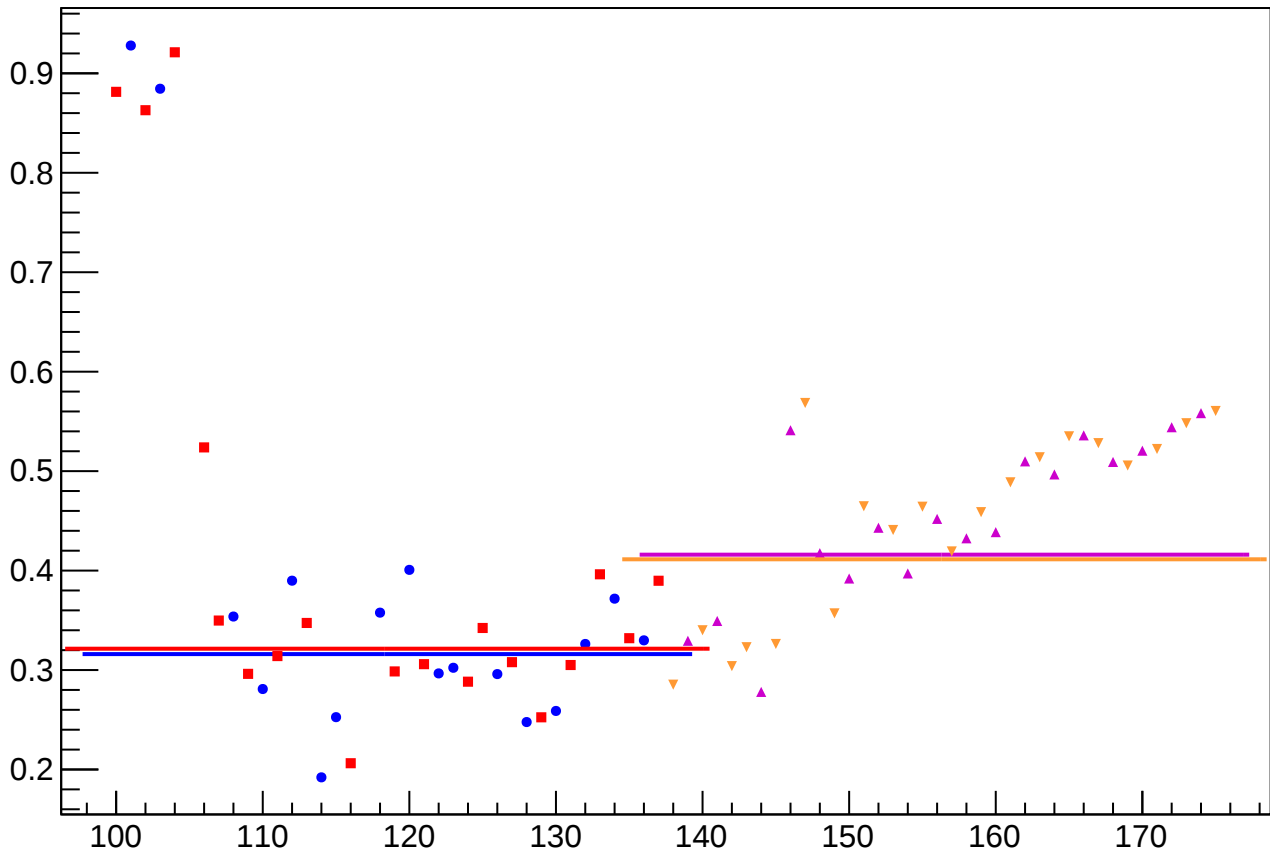
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1315679.9/36

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000	χ^2 /NDF: 3534699505.1/16	+ sign 146.386 $\pm$ 0.000	χ^2 /NDF: 4229916209.4/36
Left Out: 148.166 $\pm$ 0.000	χ^2 /NDF: 52872542.2/19	All: 146.376 $\pm$ 0.000	χ^2 /NDF: 9087517239.8
Right Out: 144.490 $\pm$ 0.000	χ^2 /NDF: 4182548232.5/18	- sign 146.365 $\pm$ 0.000	χ^2 /NDF: 4857573124.9/36
Left In: 147.775 $\pm$ 0.000	χ^2 /NDF: 325906992.2/17		

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 ± 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.411 ± 0.000 χ^2/NDF : 1422947.5/19

Right Out: 0.321 ± 0.000 χ^2/NDF : 1219073.9/18

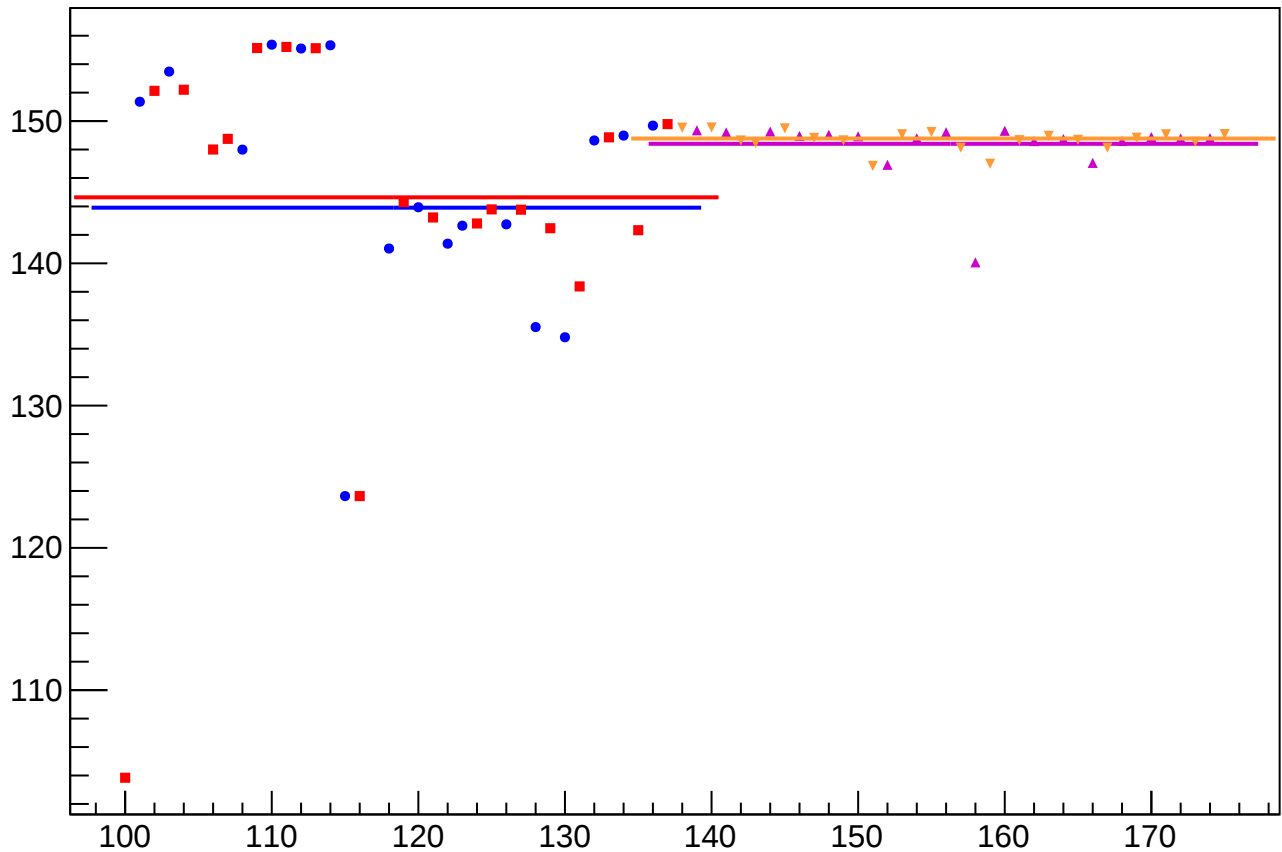
Left In: 0.416 ± 0.000 χ^2/NDF : 1116585.7/17

+ sign 0.373 ± 0.000 χ^2/NDF : 3290760.7/36

All: 0.374 ± 0.000 χ^2/NDF : 6205954.9/73

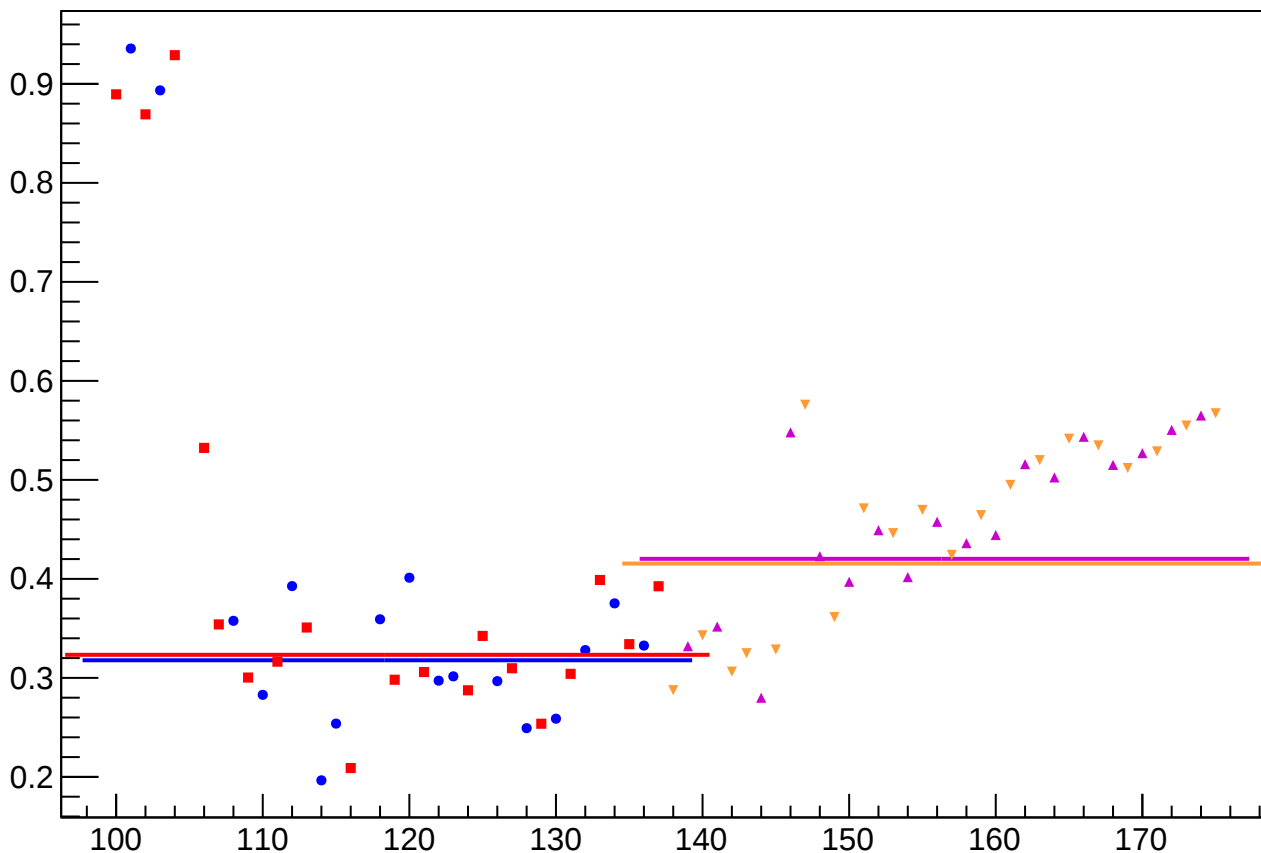
- sign 0.375 ± 0.000 χ^2/NDF : 2914260.6/36

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000	χ^2 /NDF: 3587769790.2/16	+ sign 146.796 $\pm$ 0.000	χ^2 /NDF: 4400172706.0/36
Left Out: 148.773 $\pm$ 0.000	χ^2 /NDF: 41539913.0/19	All: 146.788 $\pm$ 0.000	χ^2 /NDF: 9376008945.9
Right Out: 144.640 $\pm$ 0.000	χ^2 /NDF: 4209610240.4/18	- sign 146.779 $\pm$ 0.000	χ^2 /NDF: 4975817057.8/36
Left In: 148.402 $\pm$ 0.000	χ^2 /NDF: 315626635.9/17		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF:1447580.4/19

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222241.9/18

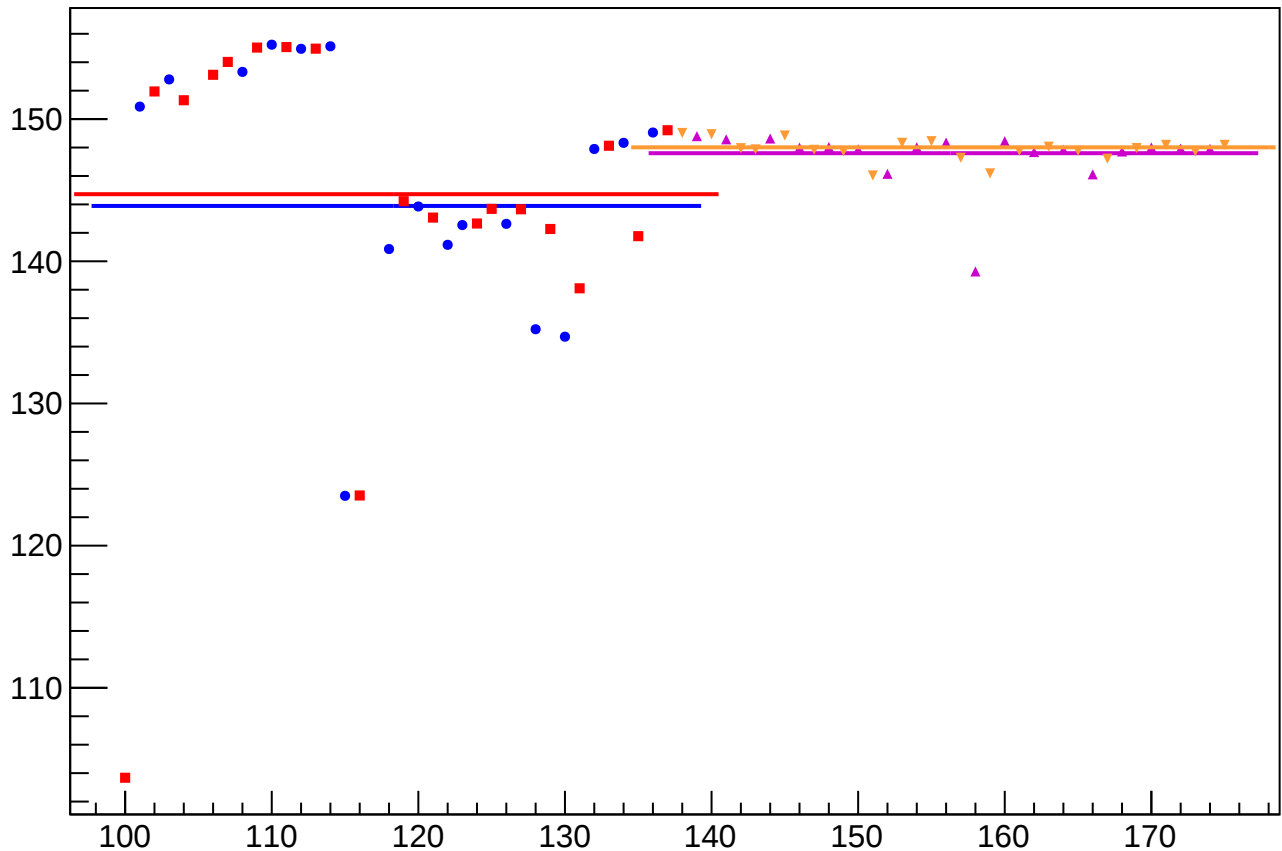
Left In: 0.420 $\pm$ 0.000 χ^2 /NDF:1137005.5/17

+ sign 0.376 $\pm$ 0.000 χ^2 /NDF: 3338329.8/36

All: 0.377 $\pm$ 0.000 χ^2 /NDF: 6297328.6/73

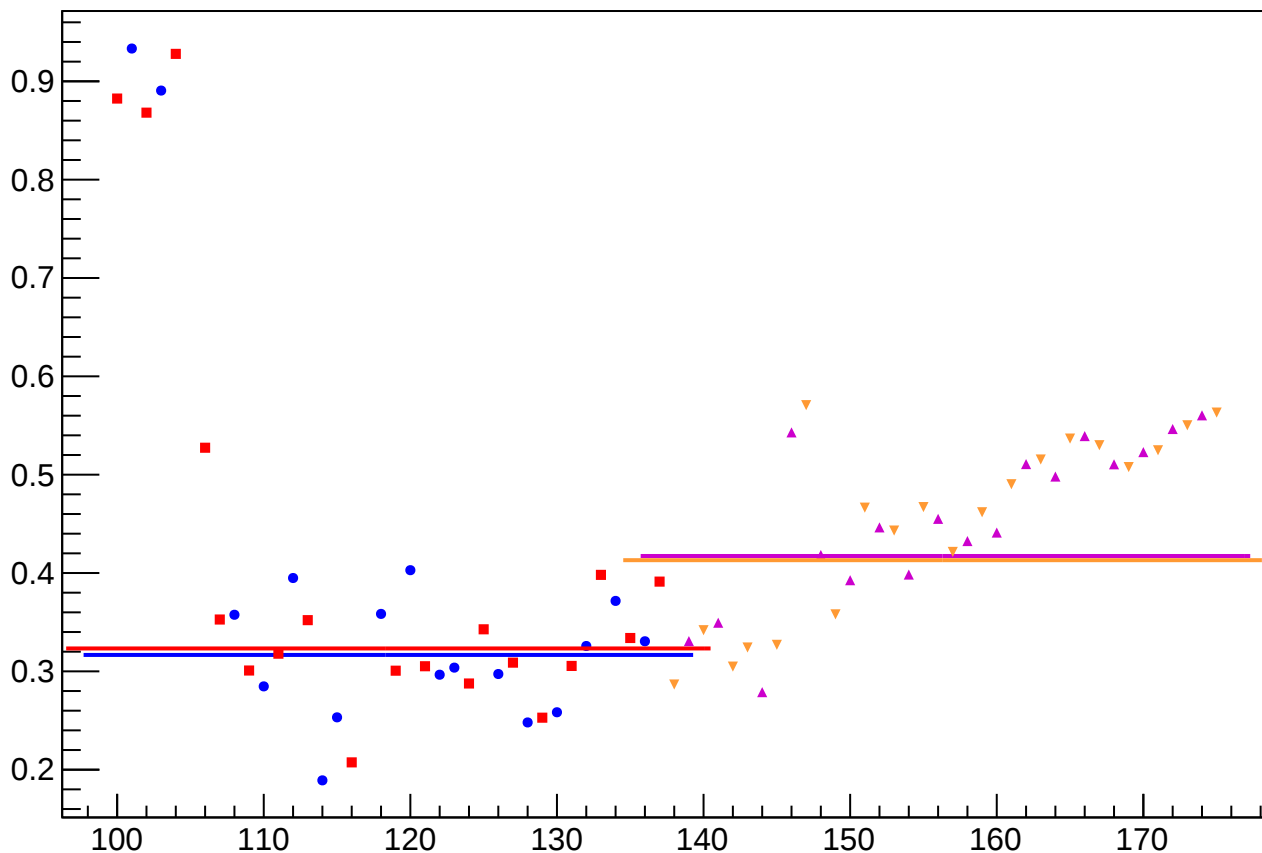
- sign 0.378 $\pm$ 0.000 χ^2 /NDF: 2958048.6/36

yield_bcm_an_us_mean vs Slug



Right In: 143.893 $\pm$ 0.000	χ^2 /NDF: 3752655677.2/16	+ sign 146.346 $\pm$ 0.000	χ^2 /NDF: 4362651048.8/36
Left Out: 148.015 $\pm$ 0.000	χ^2 /NDF: 51266878.0/19	All: 146.357 $\pm$ 0.000	χ^2 /NDF: 9427487372.5
Right Out: 144.719 $\pm$ 0.000	χ^2 /NDF: 4473225884.5/18	- sign 146.368 $\pm$ 0.000	χ^2 /NDF: 5064803002.5/36
Left In: 147.602 $\pm$ 0.000	χ^2 /NDF: 325162413.8/17		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.413 $\pm$ 0.000 χ^2 /NDF:1424434.5/19

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222784.7/18

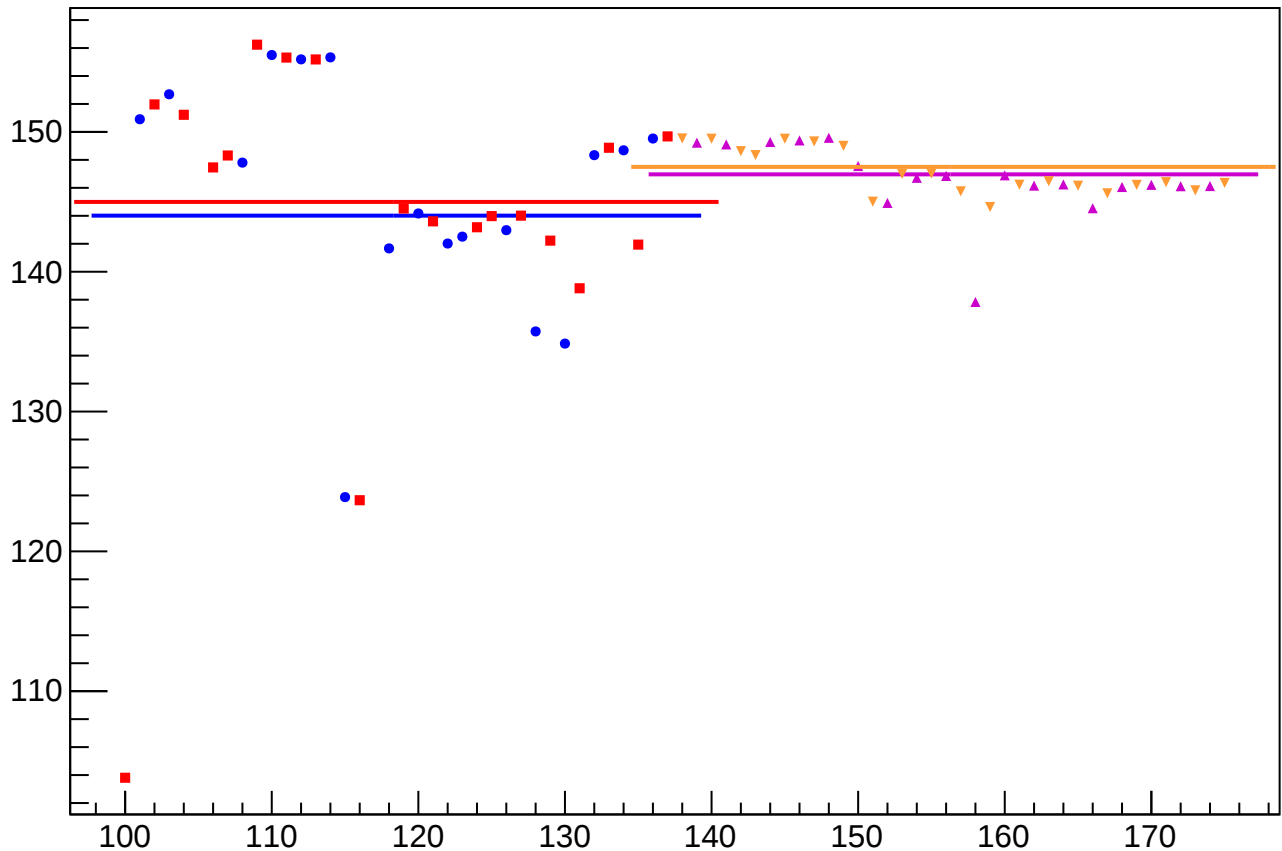
Left In: 0.417 $\pm$ 0.000 χ^2 /NDF:1122437.9/17

+ sign 0.374 $\pm$ 0.000 χ^2 /NDF: 3315522.2/36

All: 0.376 $\pm$ 0.000 χ^2 /NDF: 6228814.3/73

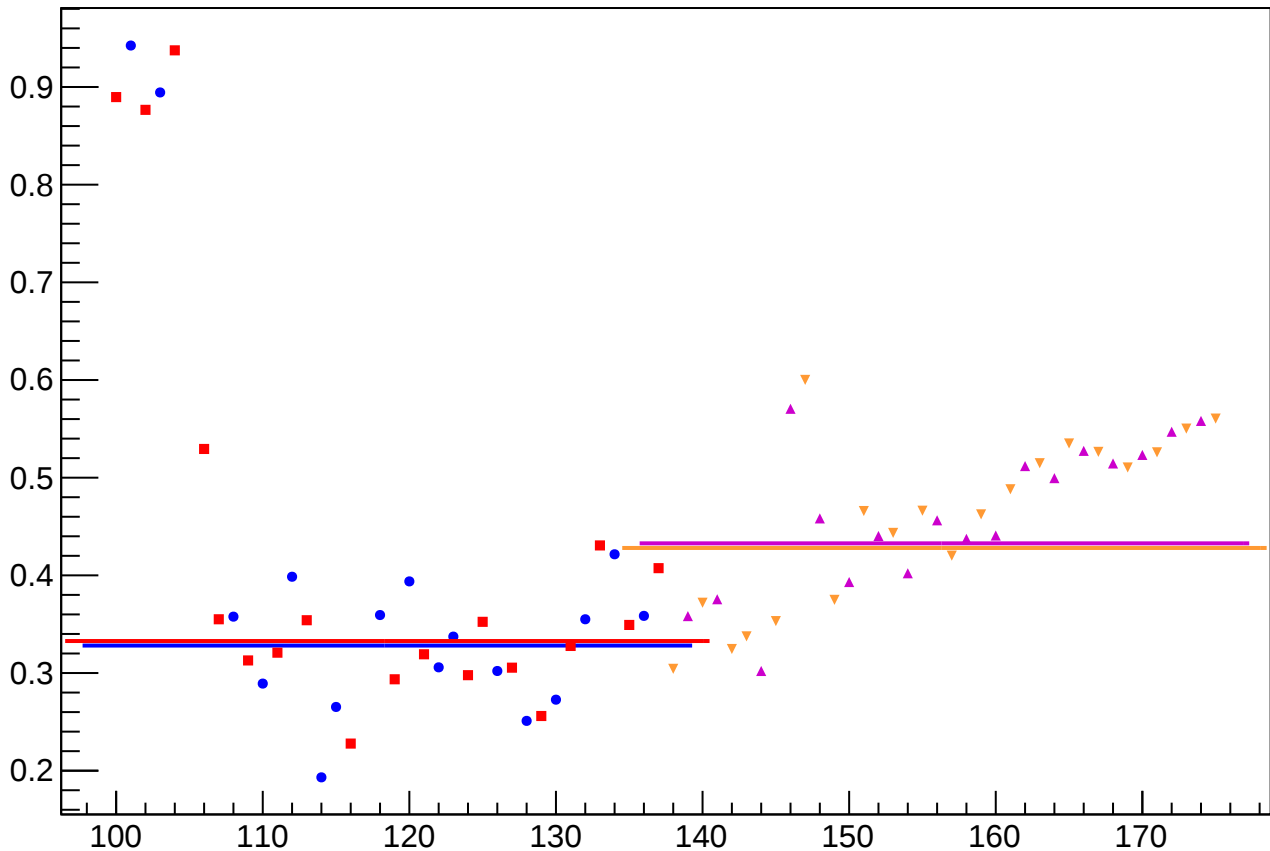
- sign 0.377 $\pm$ 0.000 χ^2 /NDF: 2912052.1/36

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000	χ^2 /NDF: 3241696920.3/16	+ sign 146.096 $\pm$ 0.000	χ^2 /NDF: 3826016270.5/36
Left Out: 147.499 $\pm$ 0.000	χ^2 /NDF: 211360068.3/19	All: 146.108 $\pm$ 0.000	χ^2 /NDF: 8304491434.8
Right Out: 144.994 $\pm$ 0.000	χ^2 /NDF: 3852381452.1/18	- sign 146.119 $\pm$ 0.000	χ^2 /NDF: 4478442176.3/36
Left In: 146.965 $\pm$ 0.000	χ^2 /NDF: 508840077.7/17		

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.428 ± 0.000 χ^2/NDF : 1111482.3/19

Right Out: 0.333 ± 0.000 χ^2/NDF : 1185129.6/18

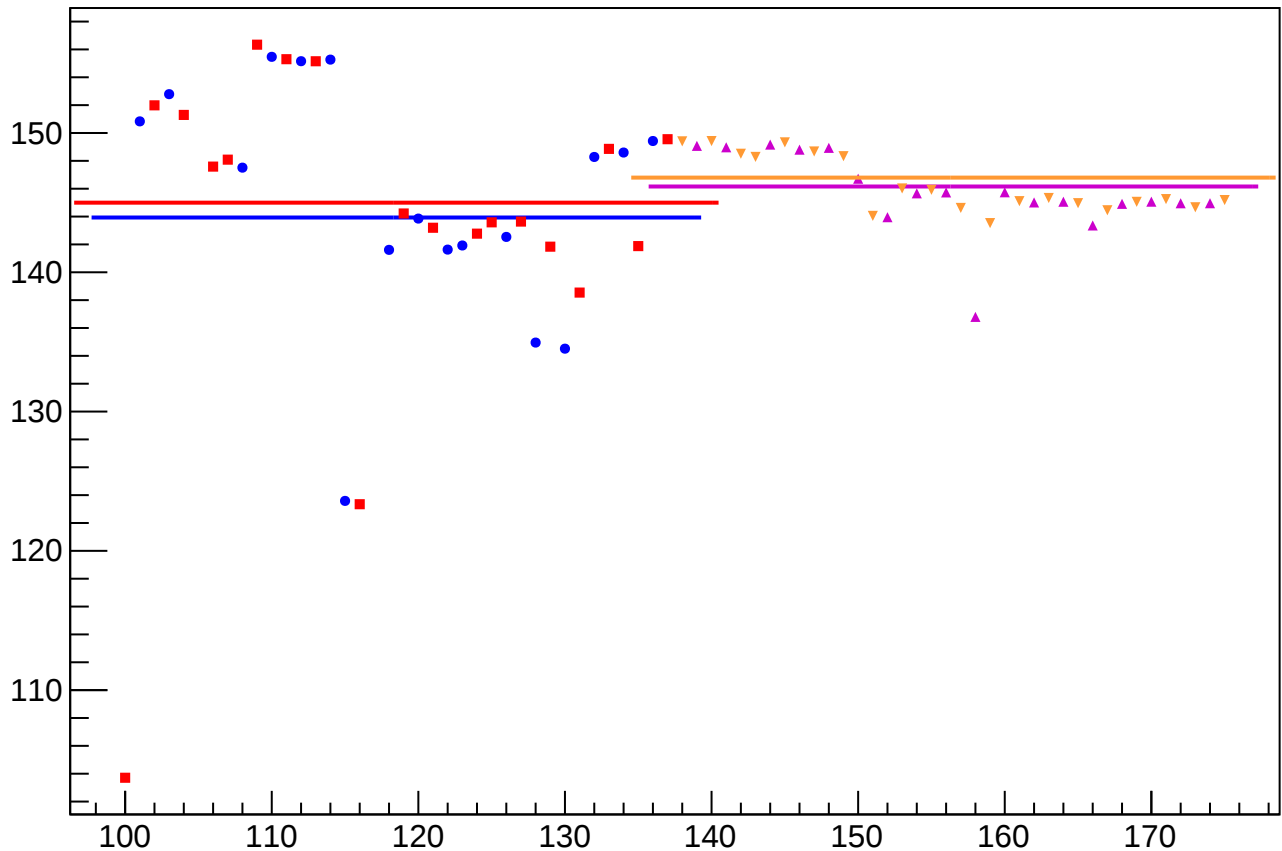
Left In: 0.433 ± 0.000 χ^2/NDF : 853982.1/17

+ sign 0.388 ± 0.000 χ^2/NDF : 2989806.8/36

All: 0.389 ± 0.000 χ^2/NDF : 5632664.4/73

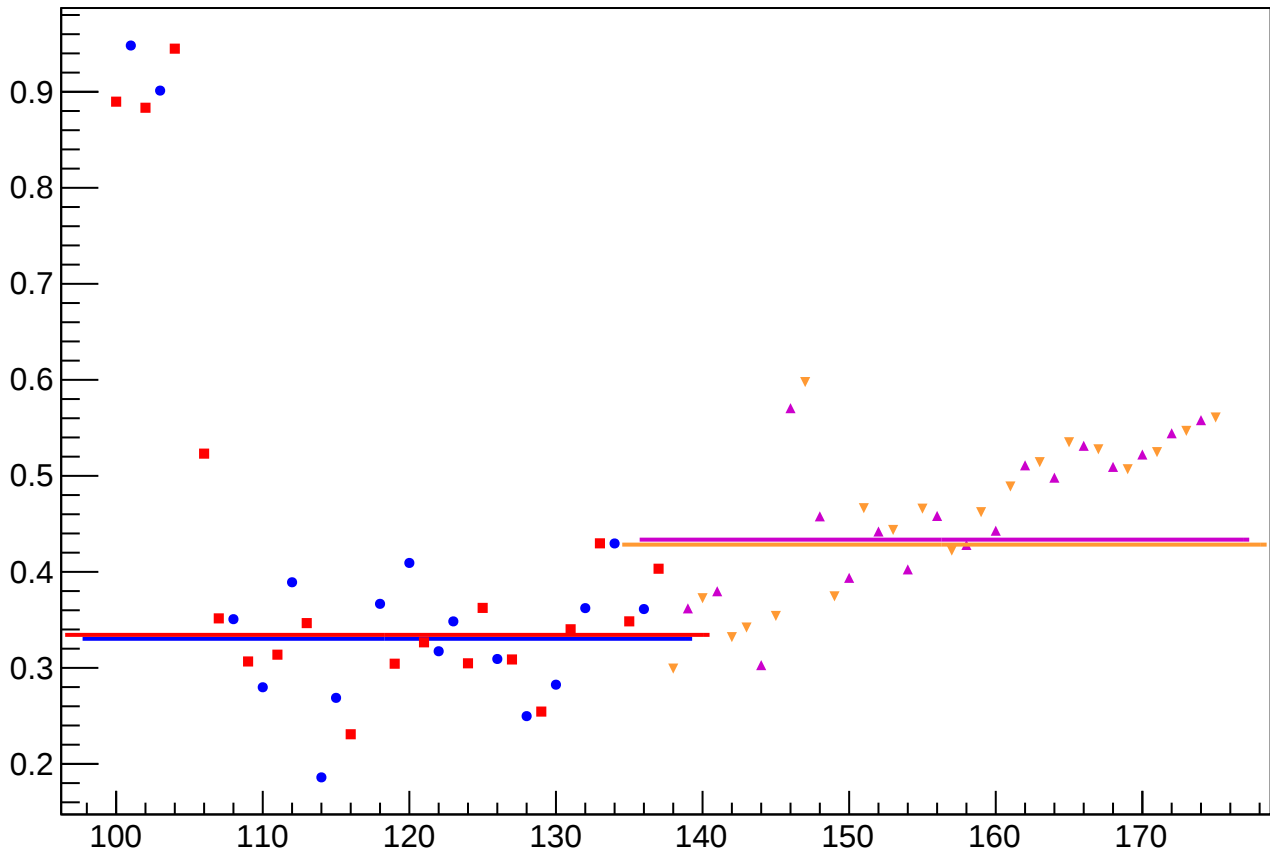
- sign 0.390 ± 0.000 χ^2/NDF : 2642344.2/36

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000	χ^2 /NDF: 3383012861.2/16	+ sign 145.655 $\pm$ 0.000	χ^2 /NDF: 3962156451.5/36
Left Out: 146.797 $\pm$ 0.000	χ^2 /NDF: 330198201.5/19	All: 145.659 $\pm$ 0.000	χ^2 /NDF: 8568544360.1
Right Out: 144.998 $\pm$ 0.000	χ^2 /NDF: 3932958476.0/18	- sign 145.663 $\pm$ 0.000	χ^2 /NDF: 4606383844.5/36
Left In: 146.159 $\pm$ 0.000	χ^2 /NDF: 633120392.1/17		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF: 1100499.1/19

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1174012.0/18

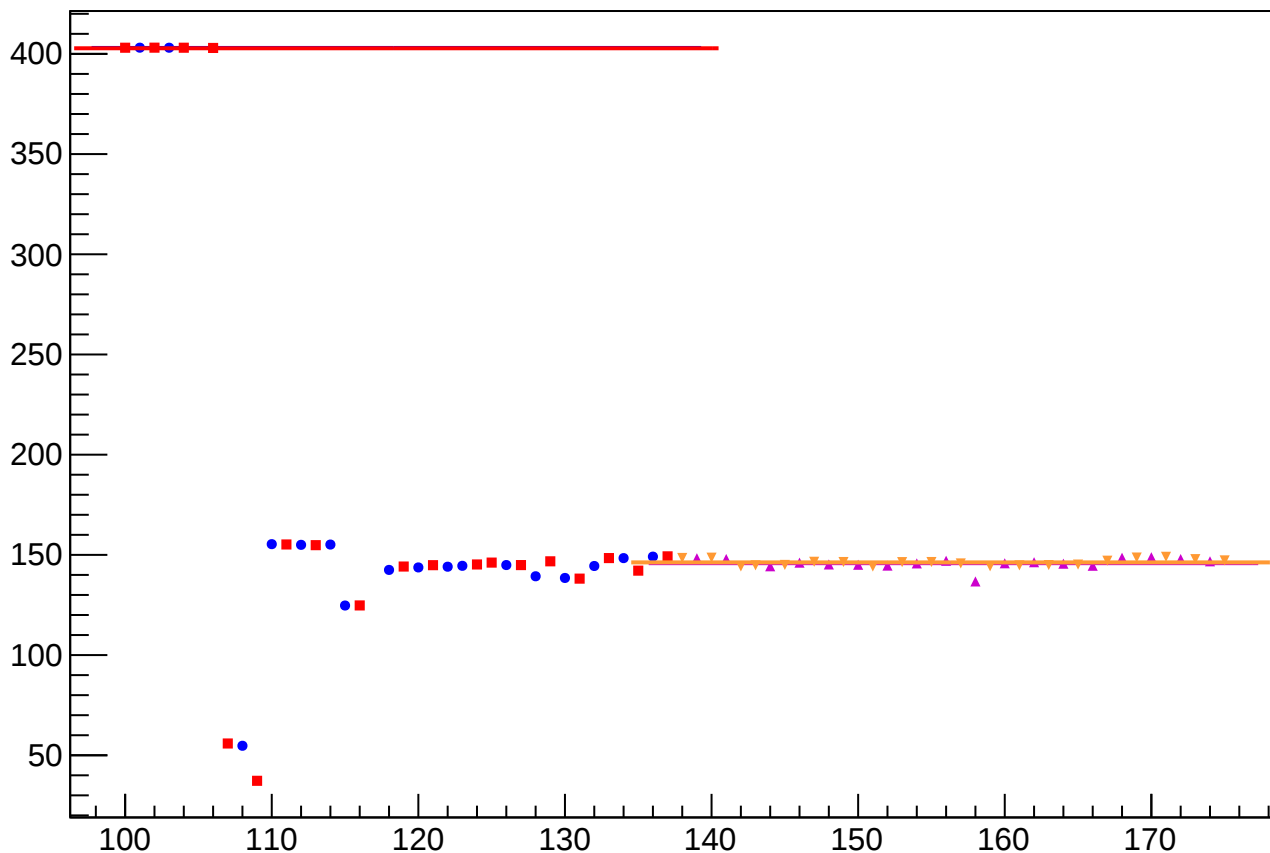
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF: 825822.7/17

+ sign 0.389 $\pm$ 0.000 χ^2 /NDF: 2967970.1/36

All: 0.390 $\pm$ 0.000 χ^2 /NDF: 5556675.7/73

- sign 0.391 $\pm$ 0.000 χ^2 /NDF: 2588244.9/36

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.250+/-0.000 χ^2/NDF : 74307072.3/19

Right Out: 402.799+/-0.000 χ^2/NDF : 3102036567767.5/18

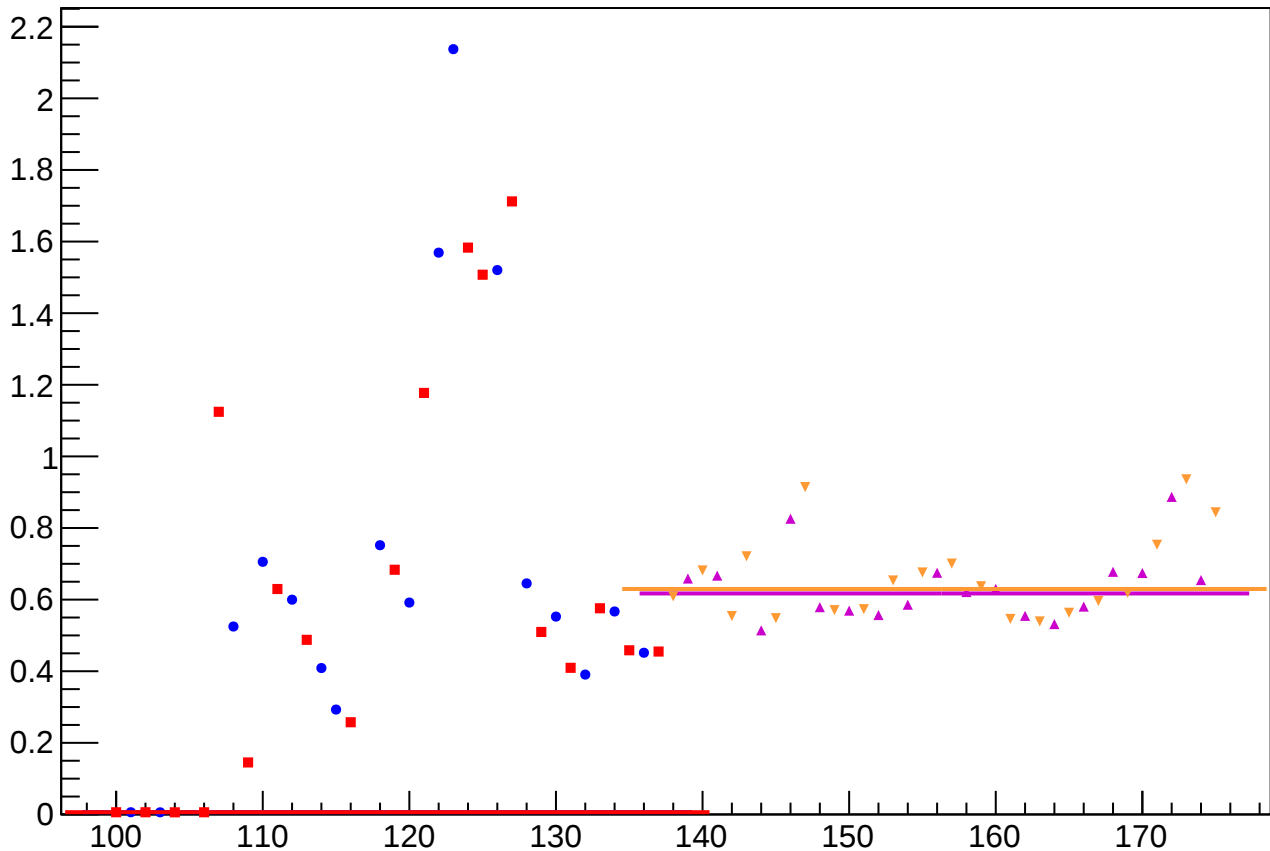
Left In: 145.864+/-0.000 χ^2/NDF : 170520989.3/17

+ sign 402.724+/-0.000 χ^2/NDF : 2960578261283.8

All: 402.657+/-0.000 χ^2/NDF : 789085506412

- sign 402.597+/-0.000 χ^2/NDF : 4930009049153.9

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.630+/-0.000 χ^2/NDF : 548588.8/19

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

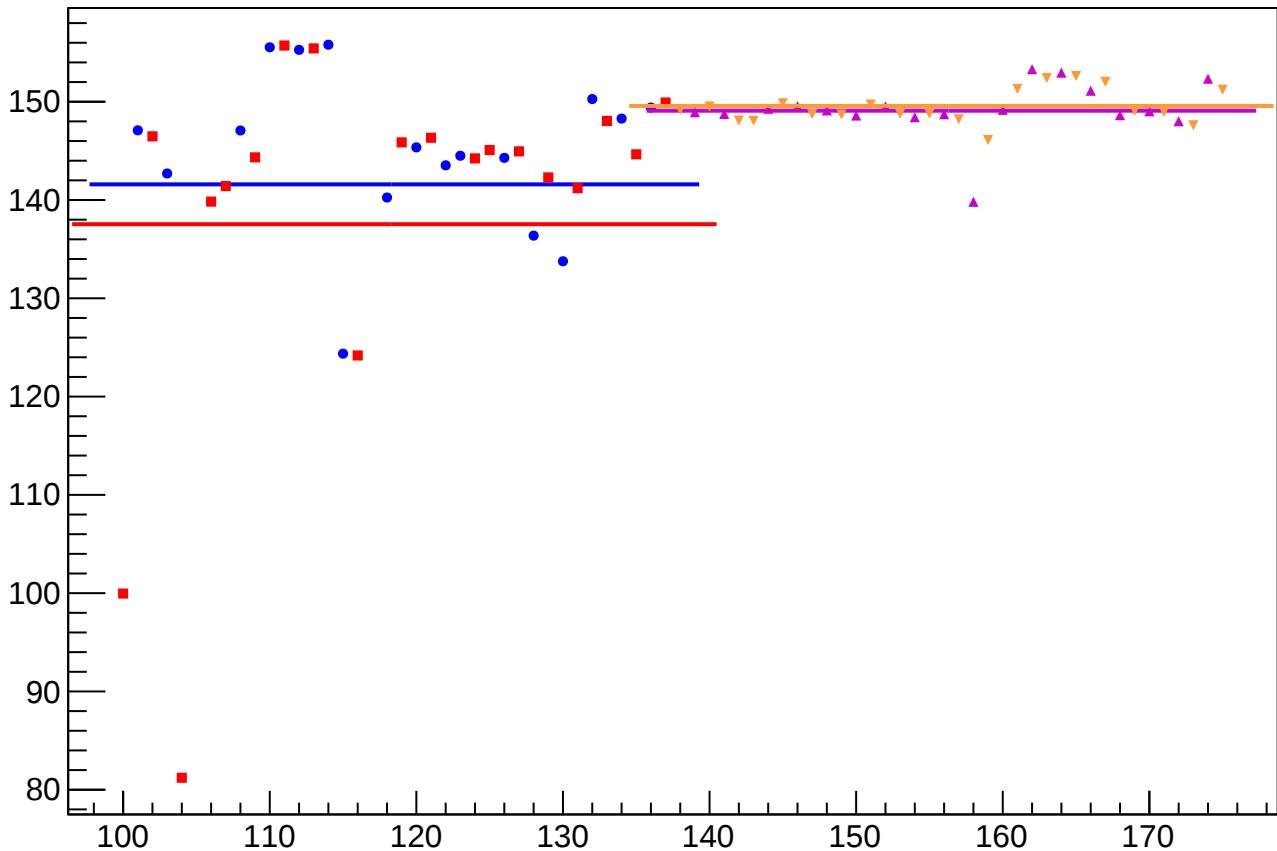
Left In: 0.617+/-0.000 χ^2/NDF : 350555.2/17

+ sign 0.007+/-0.000 χ^2/NDF : 31635185.8/36

All: 0.007+/-0.000 χ^2/NDF : 61845474.7/73

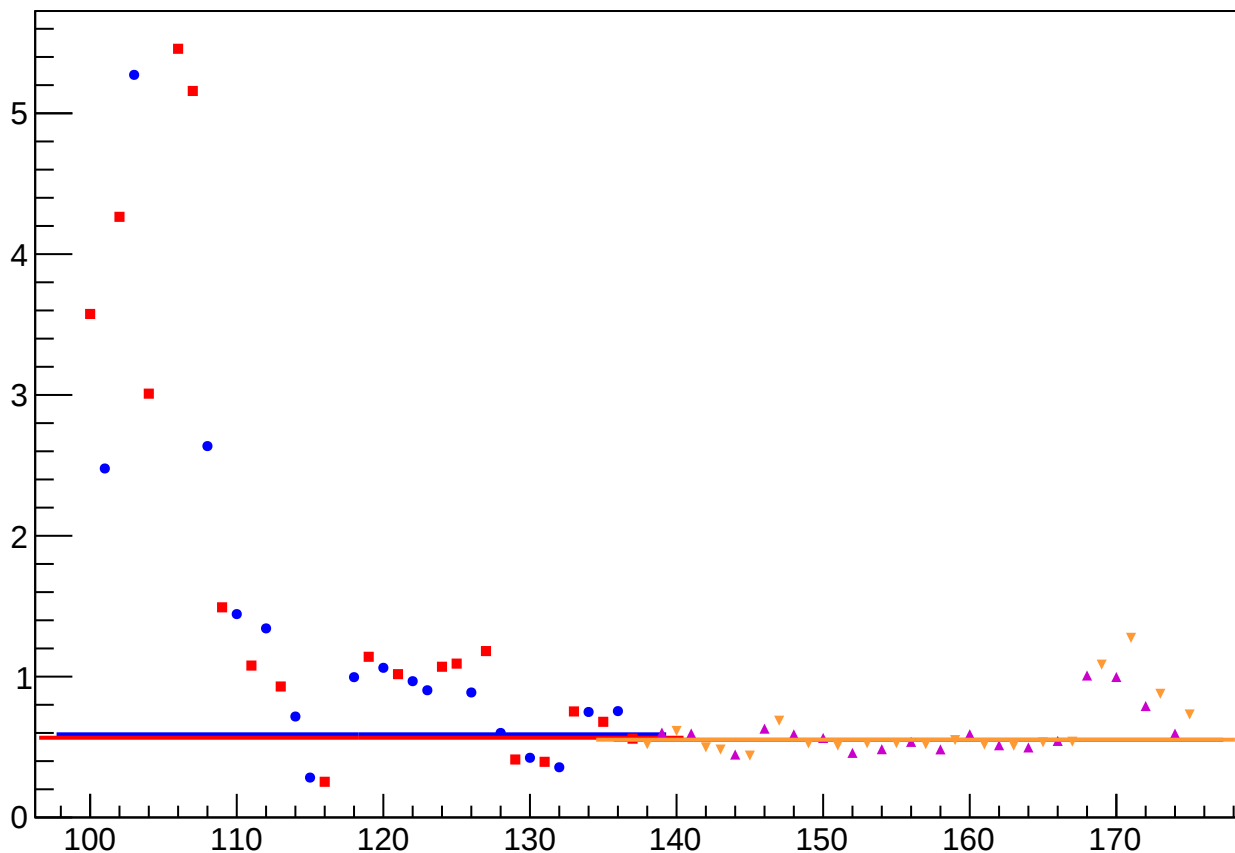
- sign 0.007+/-0.000 χ^2/NDF : 30209975.3/36

yield_cav4cQ_mean vs Slug



Right In: 141.593+/-0.000	χ^2/NDF : 980101868.2/16	+ sign 148.018+/-0.000	χ^2/NDF : 1624329663.2/36
Left Out: 149.567+/-0.000	χ^2/NDF : 127028623.3/19	All: 147.343+/-0.000	χ^2/NDF : 4493144368.6
Right Out: 137.539+/-0.000	χ^2/NDF : 1316096307.7/18	- sign 146.645+/-0.000	χ^2/NDF : 2820636241.4/36
Left In: 149.088+/-0.000	χ^2/NDF : 387488300.5/17		

yield_cav4cQ_rms vs Slug



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.552 $\pm$ 0.000 χ^2 /NDF:1310361.2/19

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

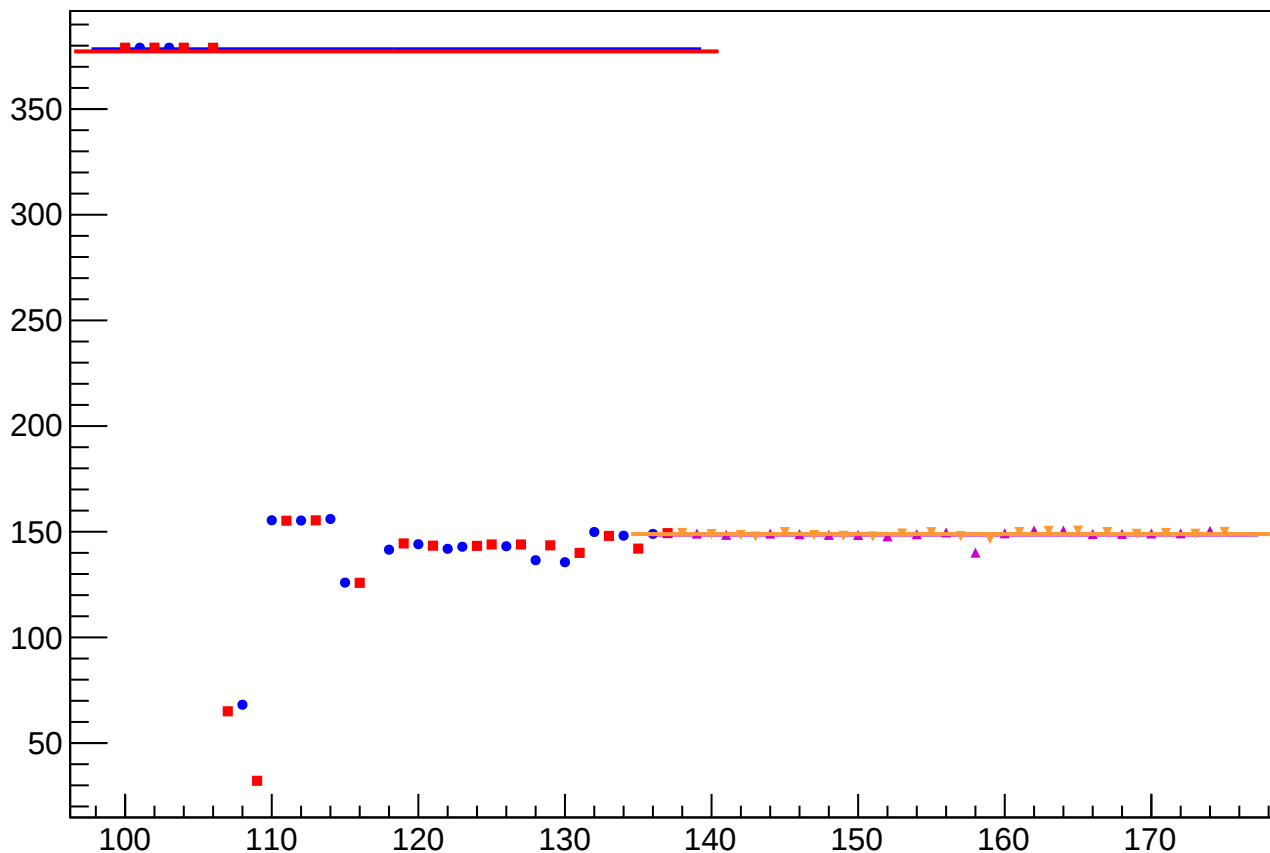
Left In: 0.551 $\pm$ 0.000 χ^2 /NDF:967530.5/17

+ sign 0.559 $\pm$ 0.000 χ^2 /NDF: 4826058.0/36

All: 0.557 $\pm$ 0.000 χ^2 /NDF: 10482222.0/73

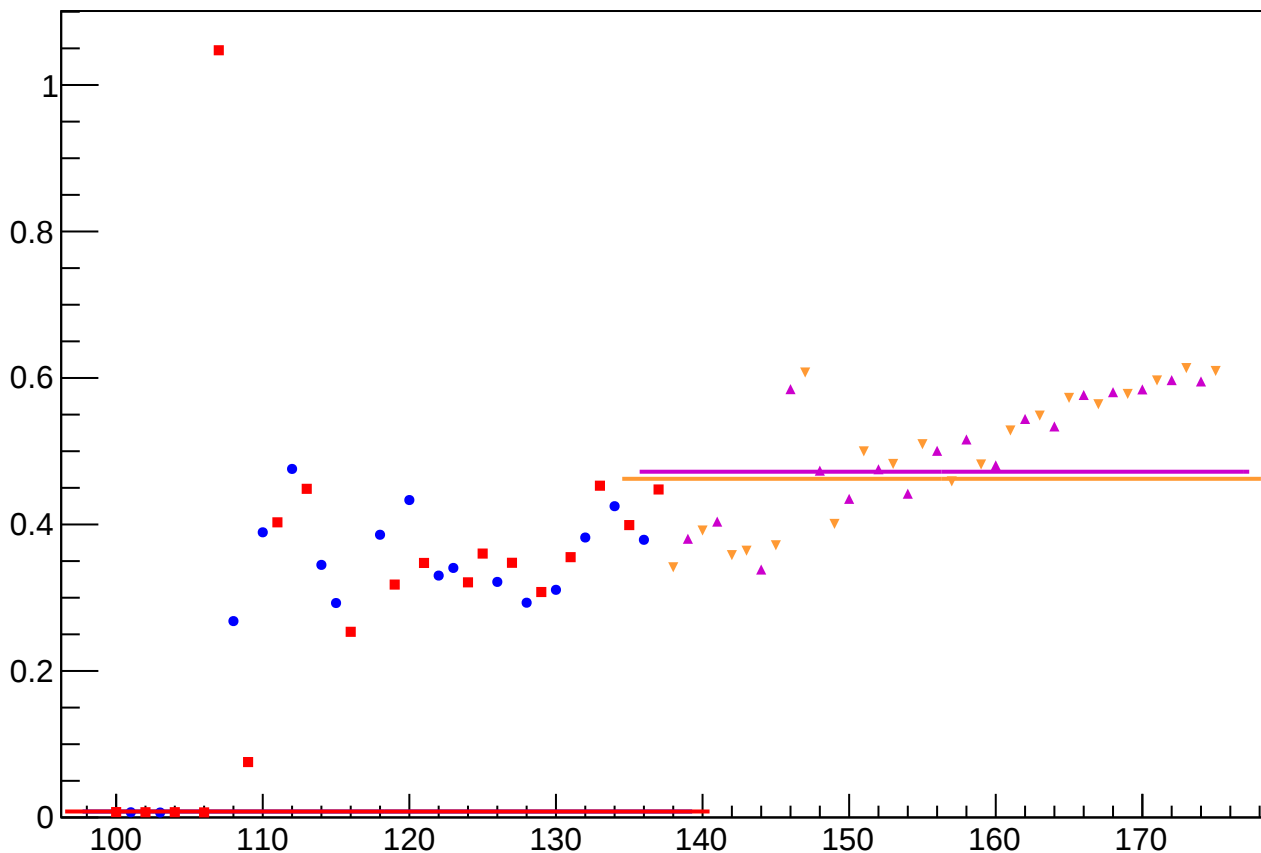
- sign 0.554 $\pm$ 0.000 χ^2 /NDF: 5654817.2/36

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000	χ^2/NDF : 2508313421453.8/16	+ sign 377.155+/-0.000	χ^2/NDF : 5952915344664.1
Left Out: 148.905+/-0.000	χ^2/NDF : 62999373.4/19	All: 376.750+/-0.000	χ^2/NDF : 173411176438
Right Out: 377.287+/-0.000	χ^2/NDF : 8286303106836.4/18	- sign 376.395+/-0.000	χ^2/NDF : 11384084585338.4
Left In: 148.660+/-0.000	χ^2/NDF : 243058953.2/17		

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.462 $\pm$ 0.000 χ^2 /NDF: 1108455.6/19

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9522827.2/18

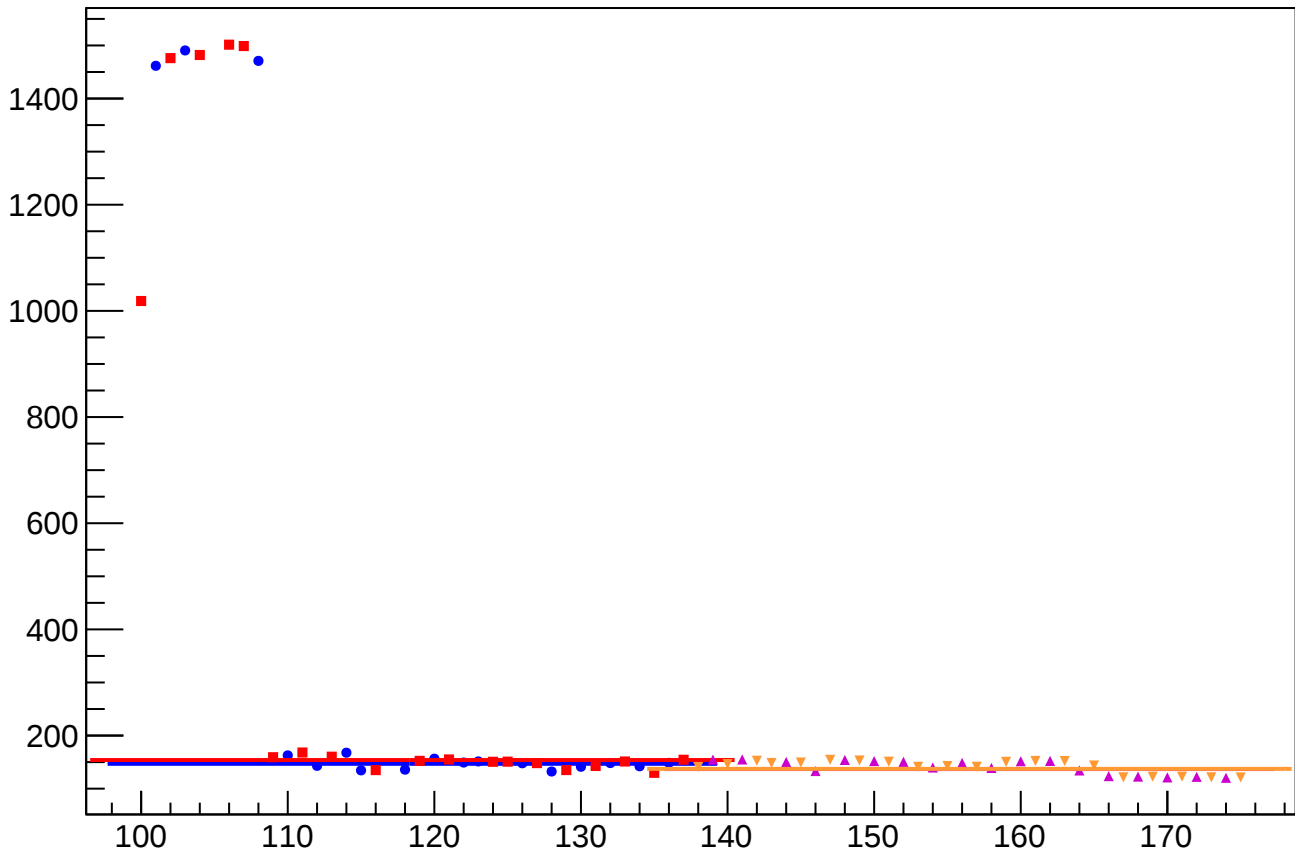
Left In: 0.472 $\pm$ 0.000 χ^2 /NDF: 807435.4/17

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 37929659.7/36

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 73765022.8/73

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 35833110.8/36

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 137.258+/-0.000 χ^2/NDF : 3277054053.3/19

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

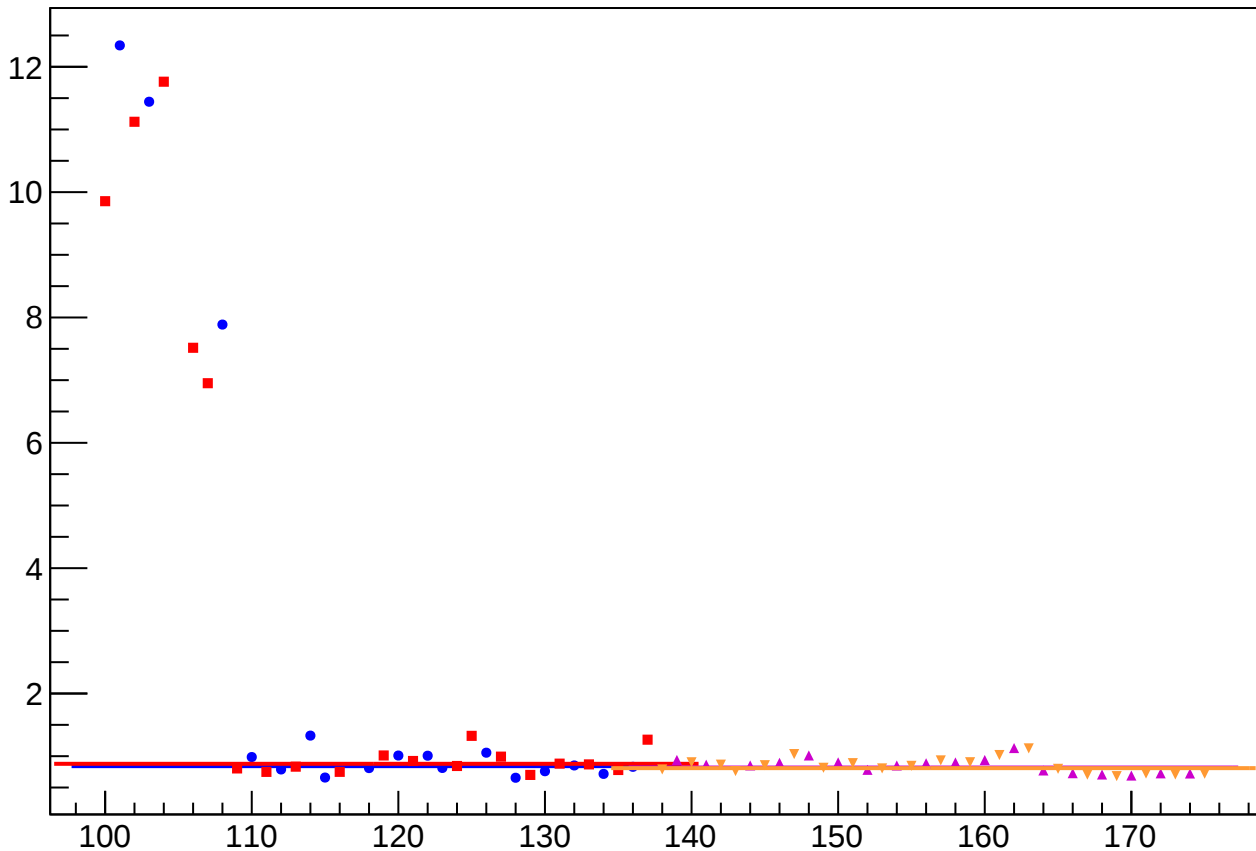
Left In: 136.911+/-0.000 χ^2/NDF : 3223808015.7/17

+ sign 139.349+/-0.000 χ^2/NDF : 28018045636.2/36

All: 140.077+/-0.000 χ^2/NDF : 66178122630.0

- sign 140.855+/-0.000 χ^2/NDF : 38133370634.7/36

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.809 ± 0.000 χ^2/NDF : 461478.7/19

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

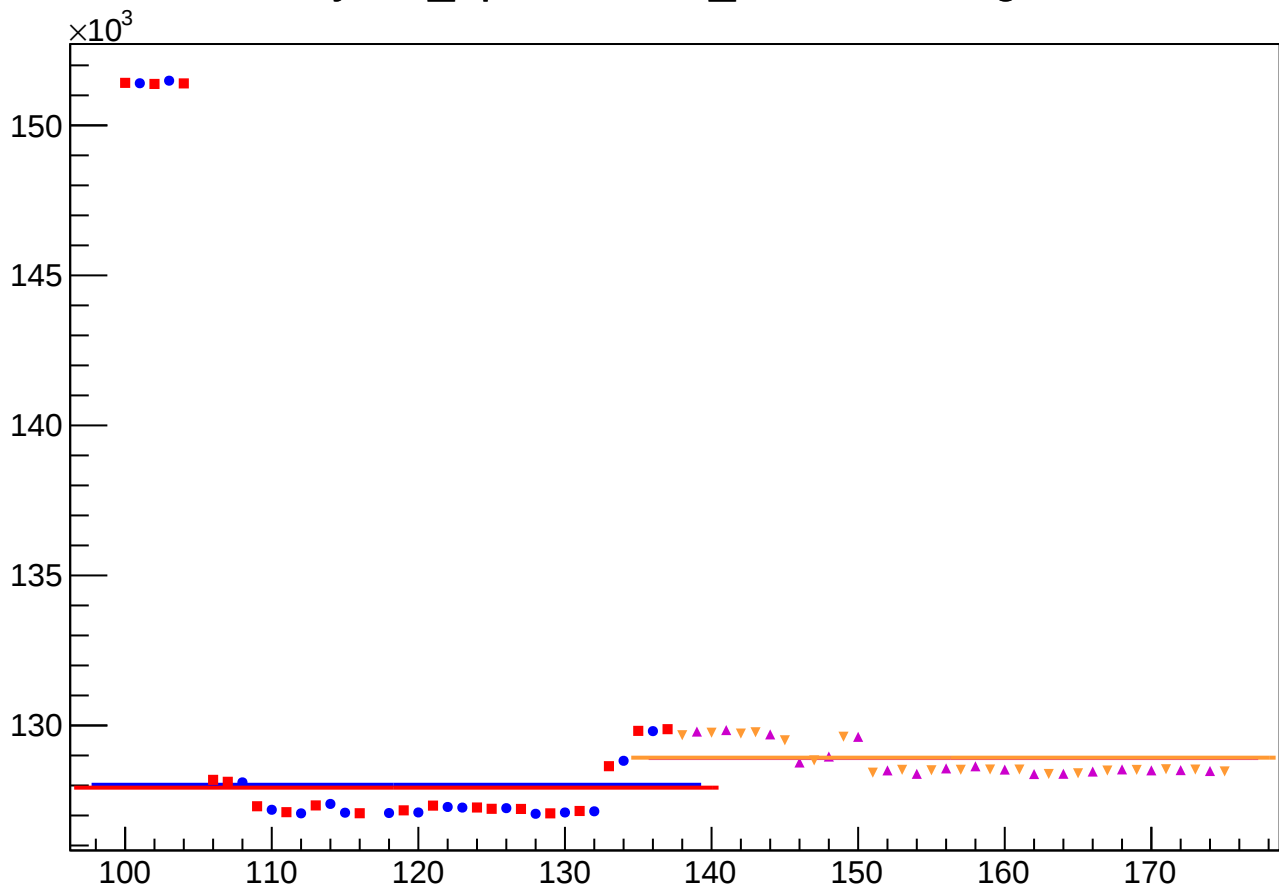
Left In: 0.819 ± 0.000 χ^2/NDF : 402145.8/17

+ sign 0.816 ± 0.000 χ^2/NDF : 3132360.9/36

All: 0.824 ± 0.000 χ^2/NDF : 6384103.4/73

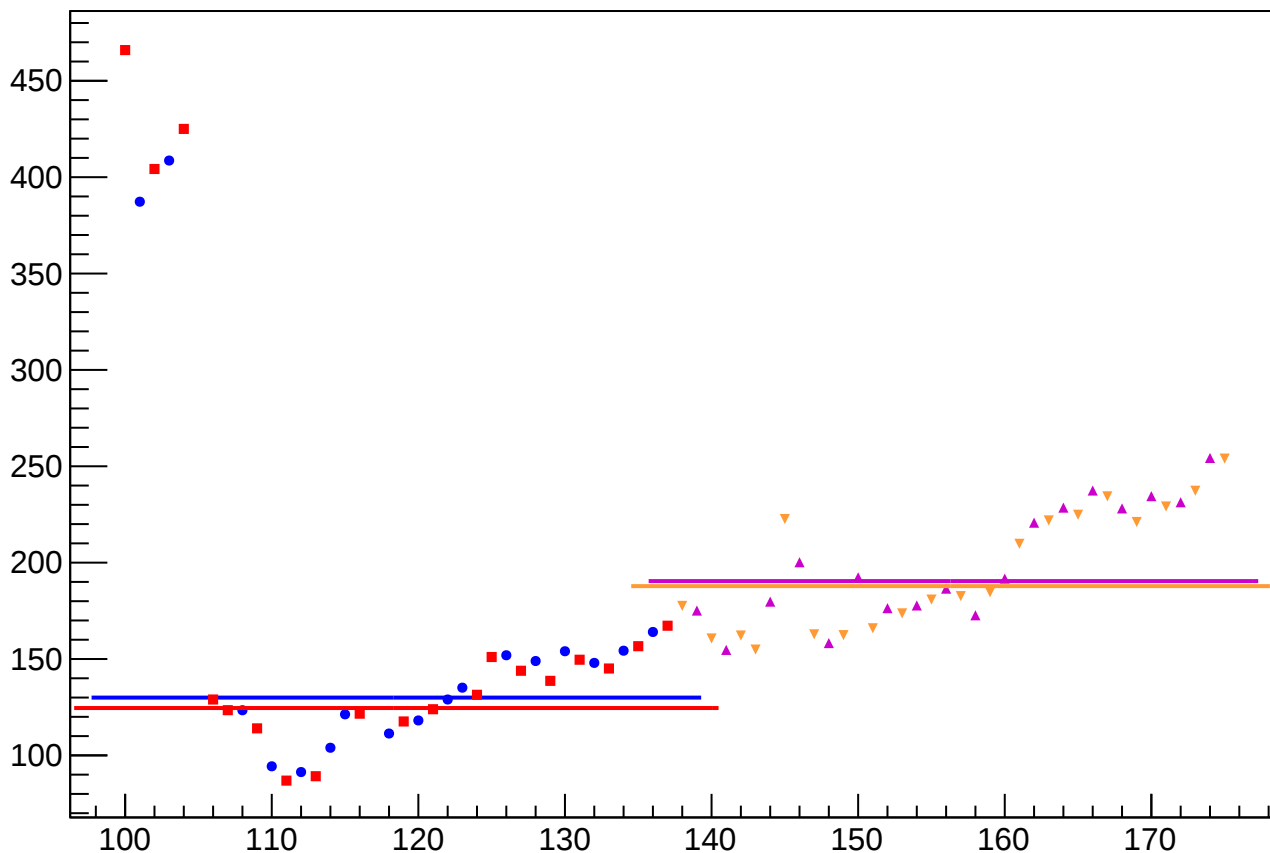
- sign 0.833 ± 0.000 χ^2/NDF : 3245263.5/36

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128926.862 $\pm$ 0.049 χ^2 /NDF: 129553984.7/19
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128914.110 $\pm$ 0.052 χ^2 /NDF: 115243559.6/17
 + sign 128521.699 $\pm$ 0.037 χ^2 /NDF: 4597389381.7
 All: 128464.581 $\pm$ 0.026 χ^2 /NDF: 867172426
 - sign 128408.958 $\pm$ 0.036 χ^2 /NDF: 4069507909.6

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 187.809 $\pm$ 0.035 χ^2 /NDF: 695147.5/19

Right Out: 124.566 $\pm$ 0.036 χ^2 /NDF: 1531273.9/18

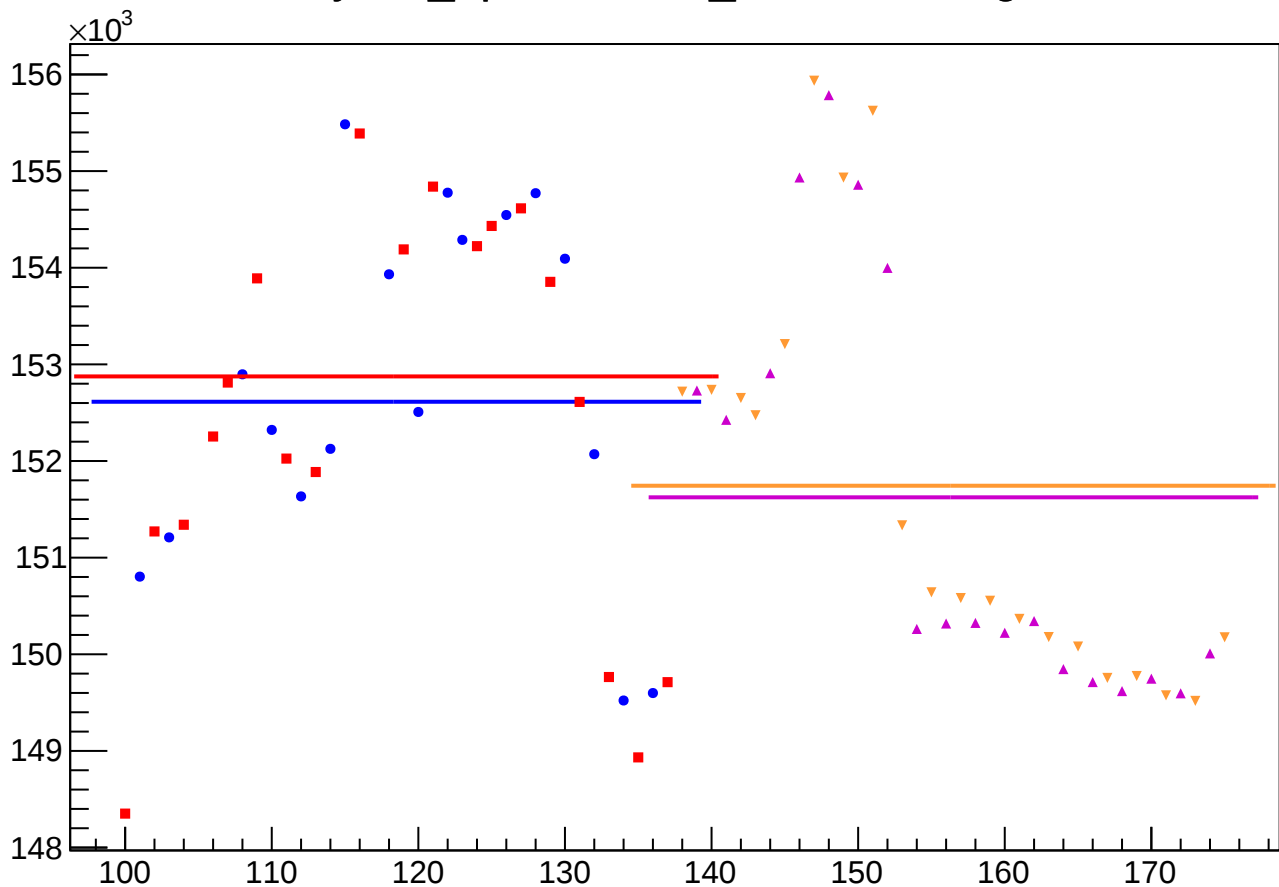
Left In: 190.430 $\pm$ 0.036 χ^2 /NDF: 564689.3/17

+ sign 161.872 $\pm$ 0.026 χ^2 /NDF: 3420764.6/36

All: 159.256 $\pm$ 0.018 χ^2 /NDF: 7205561.6/73

- sign 156.708 $\pm$ 0.025 χ^2 /NDF: 3764546.9/36

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 151744.140 $\pm$ 0.053 χ^2 /NDF: 1274037373.8/19

Right Out: 152875.313 $\pm$ 0.066 χ^2 /NDF: 716358700.9/18

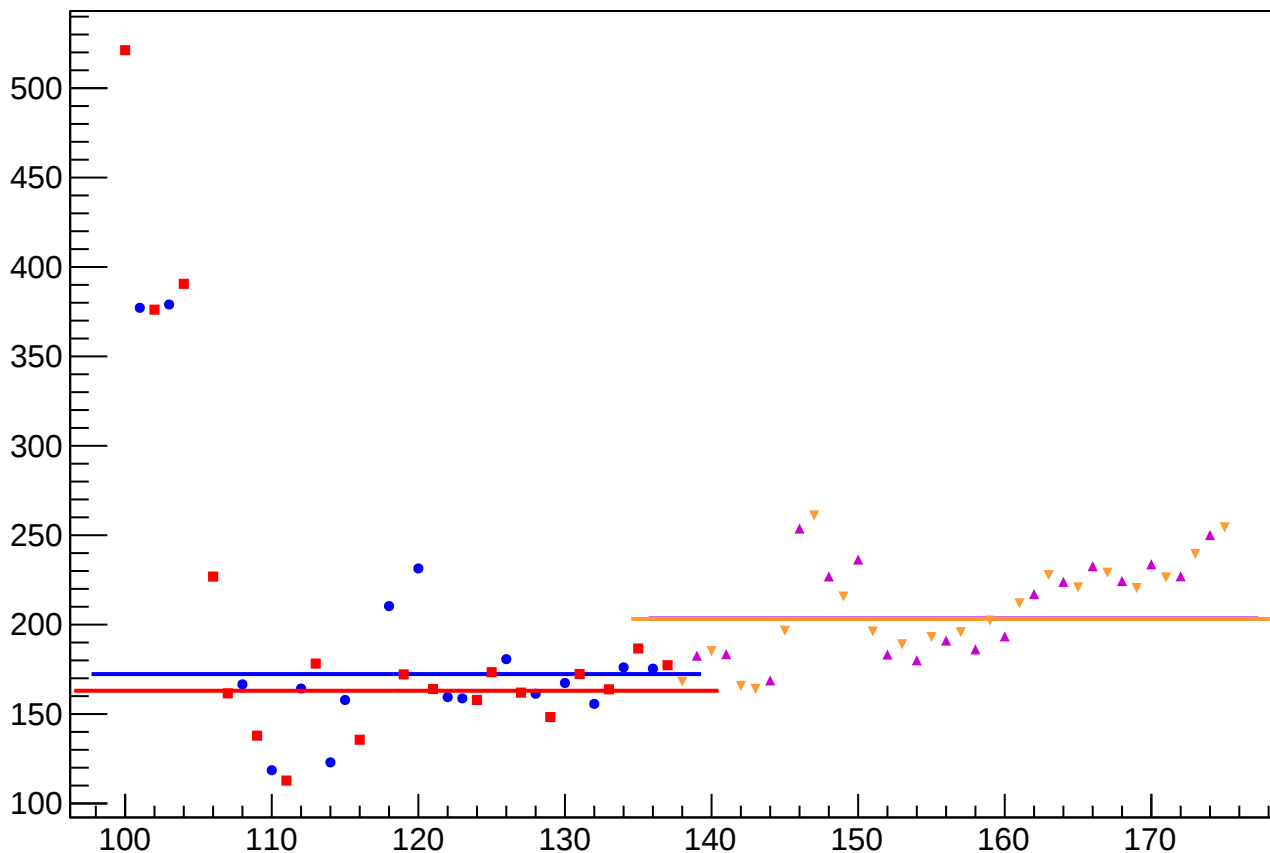
Left In: 151624.200 $\pm$ 0.055 χ^2 /NDF: 1256100171.8/17

+ sign 152049.057 $\pm$ 0.043 χ^2 /NDF: 1991250855.8

All: 152093.163 $\pm$ 0.030 χ^2 /NDF: 417679778

- sign 152136.336 $\pm$ 0.042 χ^2 /NDF: 2183446222.7

yield_bpm0i07WS_rms vs Slug



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 203.152+/-0.038 χ^2/NDF : 469471.4/19

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

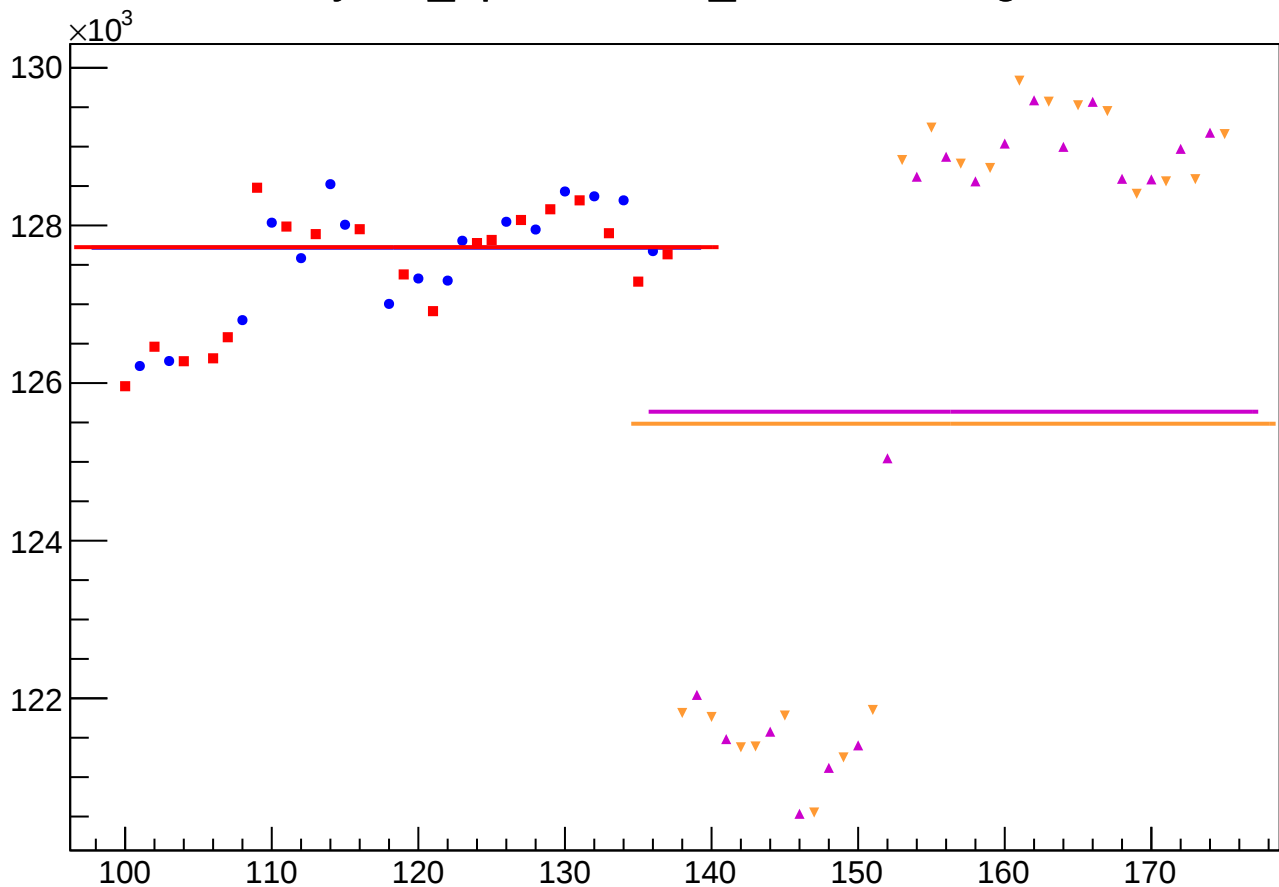
Left In: 203.483+/-0.039 χ^2/NDF : 438583.6/17

+ sign 192.345+/-0.030 χ^2/NDF : 1627221.8/36

All: 189.605+/-0.021 χ^2/NDF : 3555920.3/73

- sign 186.924+/-0.030 χ^2/NDF : 1912490.9/36

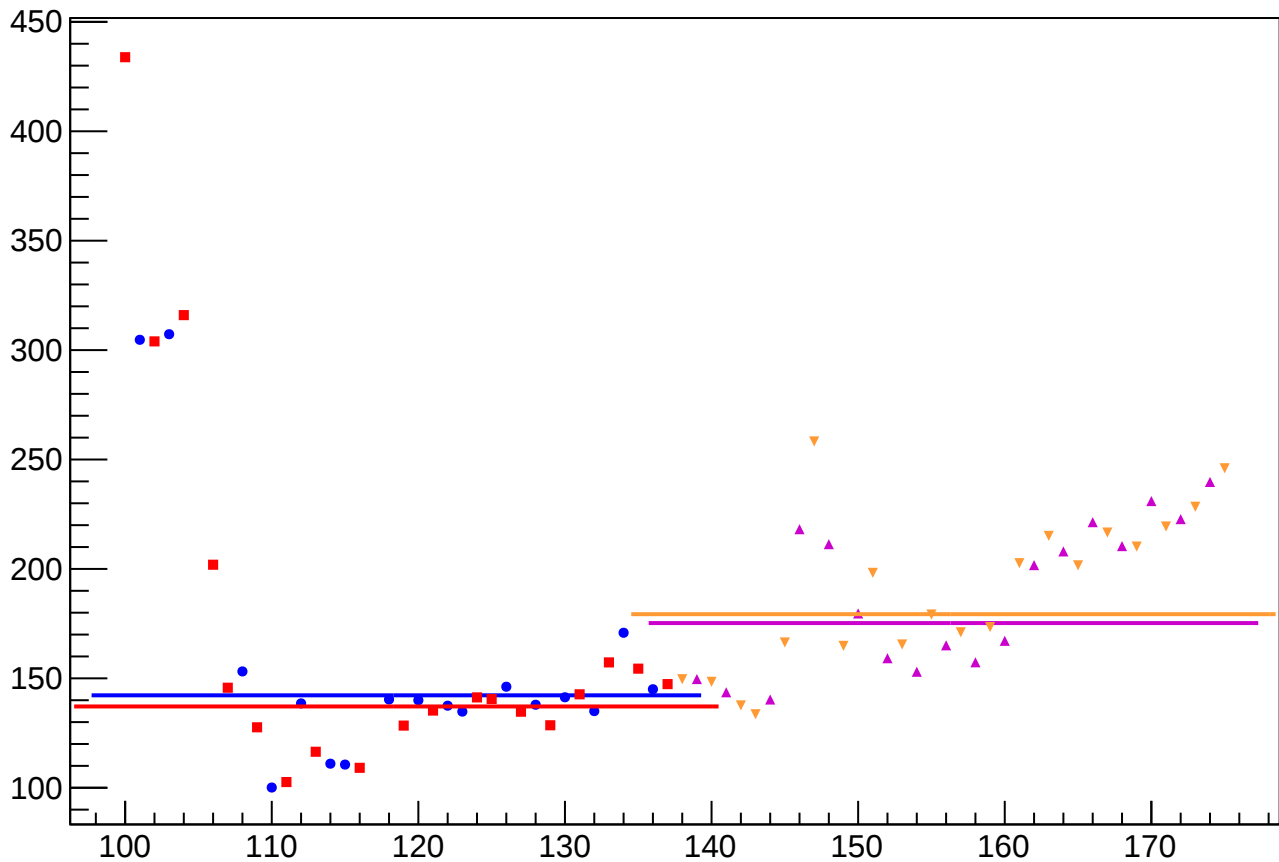
yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16
 Left Out: 125484.212 $\pm$ 0.047 χ^2 /NDF: 6265227153.1/19
 Right Out: 127724.519 $\pm$ 0.055 χ^2 /NDF: 112550604.4/18
 Left In: 125636.526 $\pm$ 0.048 χ^2 /NDF: 5512221065.1/17

+ sign 126375.506 $\pm$ 0.037 χ^2 /NDF: 7243056951.2
 All: 126463.440 $\pm$ 0.026 χ^2 /NDF: 137056778
 - sign 126547.580 $\pm$ 0.036 χ^2 /NDF: 6451458400.8/17

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 179.319 $\pm$ 0.034 χ^2 /NDF: 942661.3/19

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

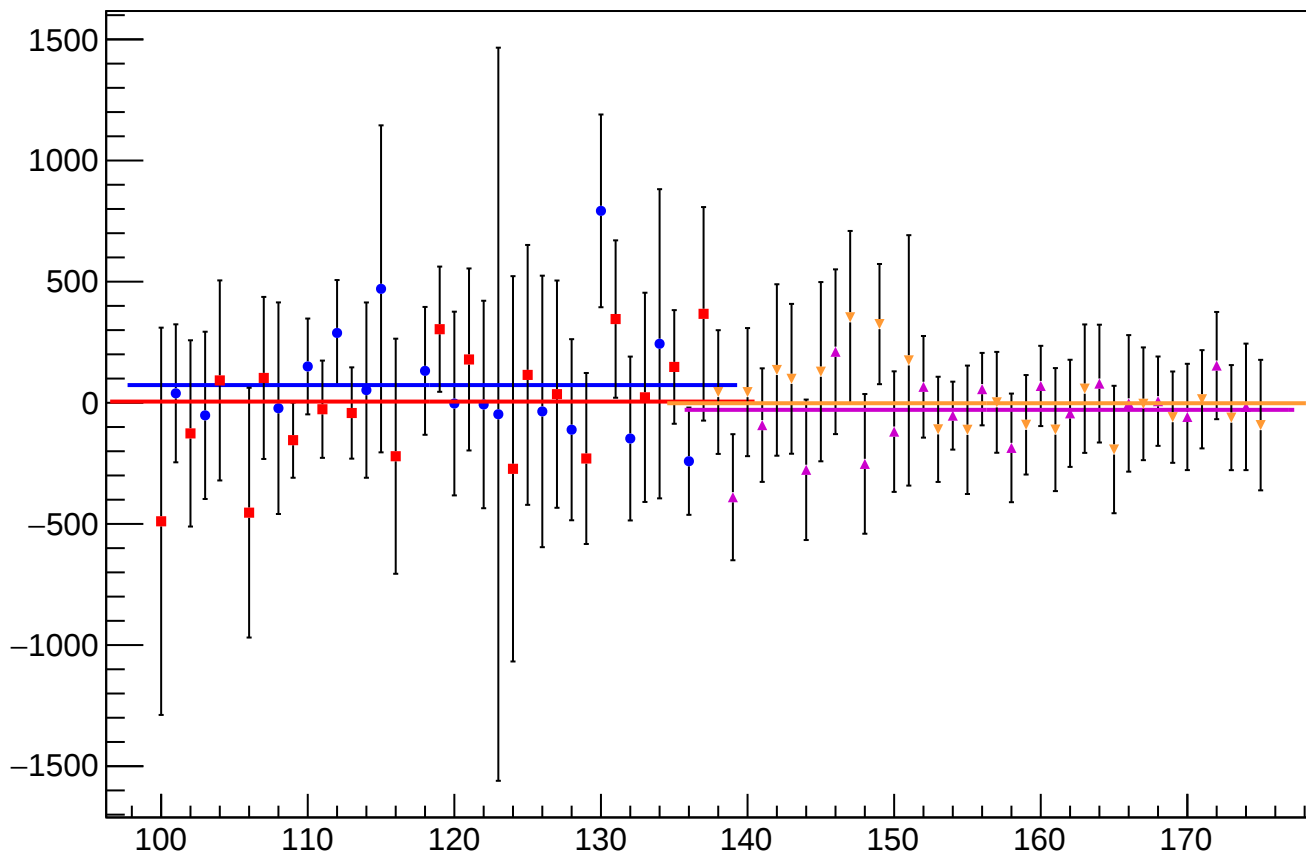
Left In: 175.260 $\pm$ 0.034 χ^2 /NDF: 835801.4/17

+ sign 164.524 $\pm$ 0.026 χ^2 /NDF: 2265530.1/36

All: 161.513 $\pm$ 0.018 χ^2 /NDF: 4635995.7/73

- sign 158.632 $\pm$ 0.025 χ^2 /NDF: 2344290.8/36

asym_bcm_an_ds_mean vs Slug



Right In: 73.109 ± 79.604 χ^2/NDF : 7.9/16

Left Out: -1.827 ± 56.282 χ^2/NDF : 4.9/19

Right Out: 5.021 ± 70.098 χ^2/NDF : 7.1/18

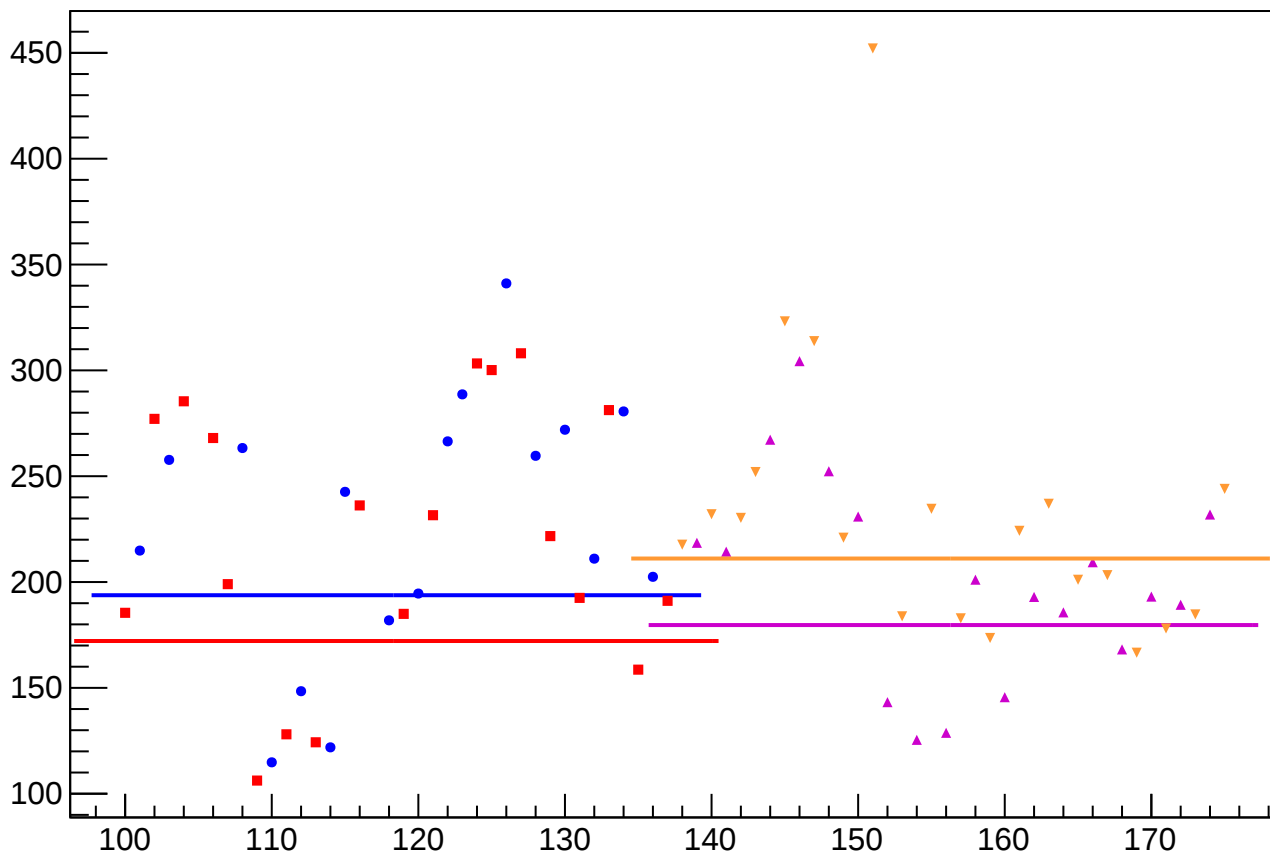
Left In: -29.129 ± 50.533 χ^2/NDF : 6.3/17

+ sign 23.148 ± 45.956 χ^2/NDF : 13.4/36

All: 0.538 ± 30.591 χ^2/NDF : 27.4/73

- sign -17.451 ± 40.992 χ^2/NDF : 13.6/36

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 211.109 $\pm$ 0.040 χ^2 /NDF:1246693.7/19

Right Out: 172.142 $\pm$ 0.050 χ^2 /NDF: 1580035.1/18

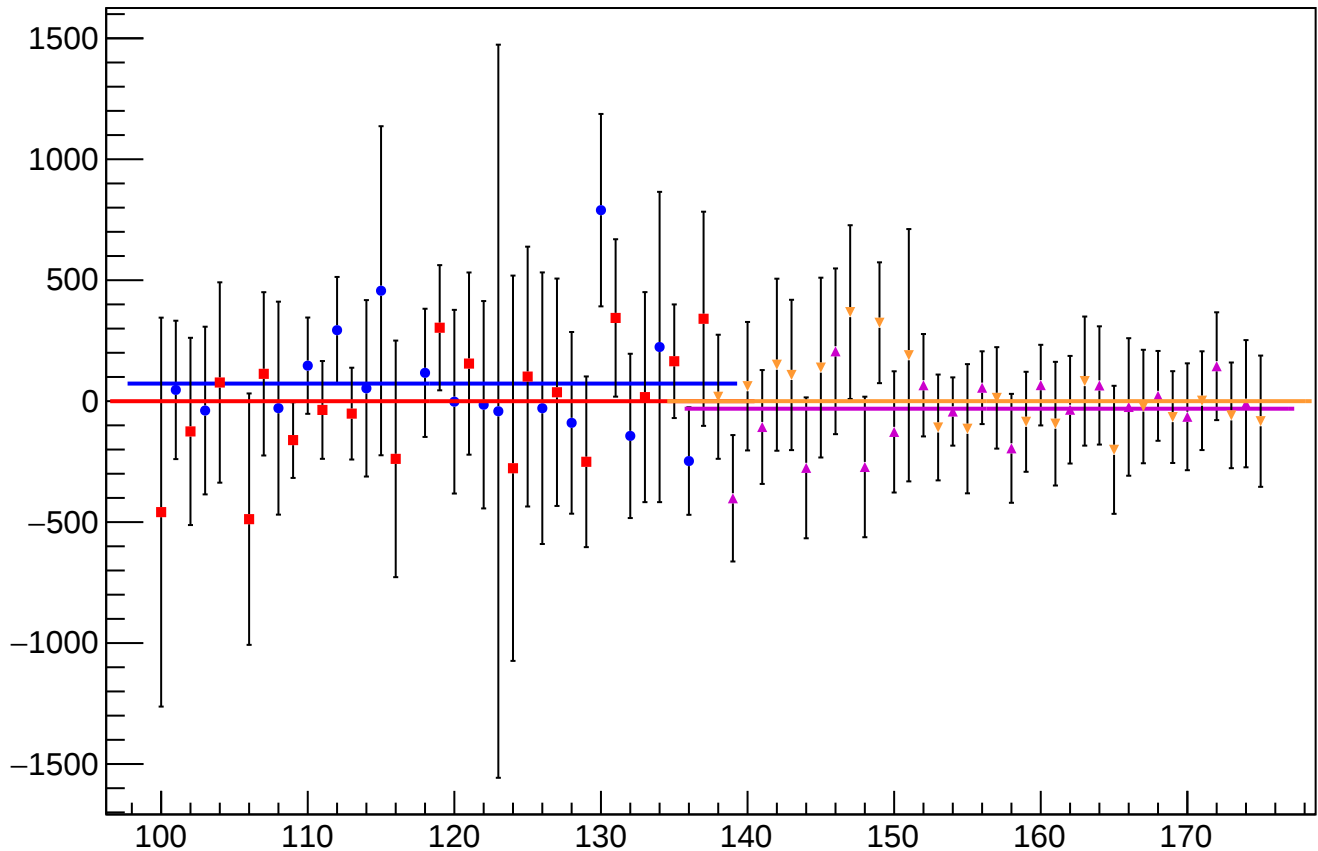
Left In: 179.677 $\pm$ 0.036 χ^2 /NDF:1575536.0/17

+ sign 205.331 $\pm$ 0.032 χ^2 /NDF: 2327019.1/36

All: 189.609 $\pm$ 0.022 χ^2 /NDF: 5918111.0/73

- sign 177.100 $\pm$ 0.029 χ^2 /NDF: 3170776.5/36

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675 $\pm$ 79.992 χ^2 /NDF: 7.8/16

Left Out: -0.016 $\pm$ 56.655 χ^2 /NDF: 5.1/19

Right Out: -0.181 $\pm$ 70.467 χ^2 /NDF: 7.3/18

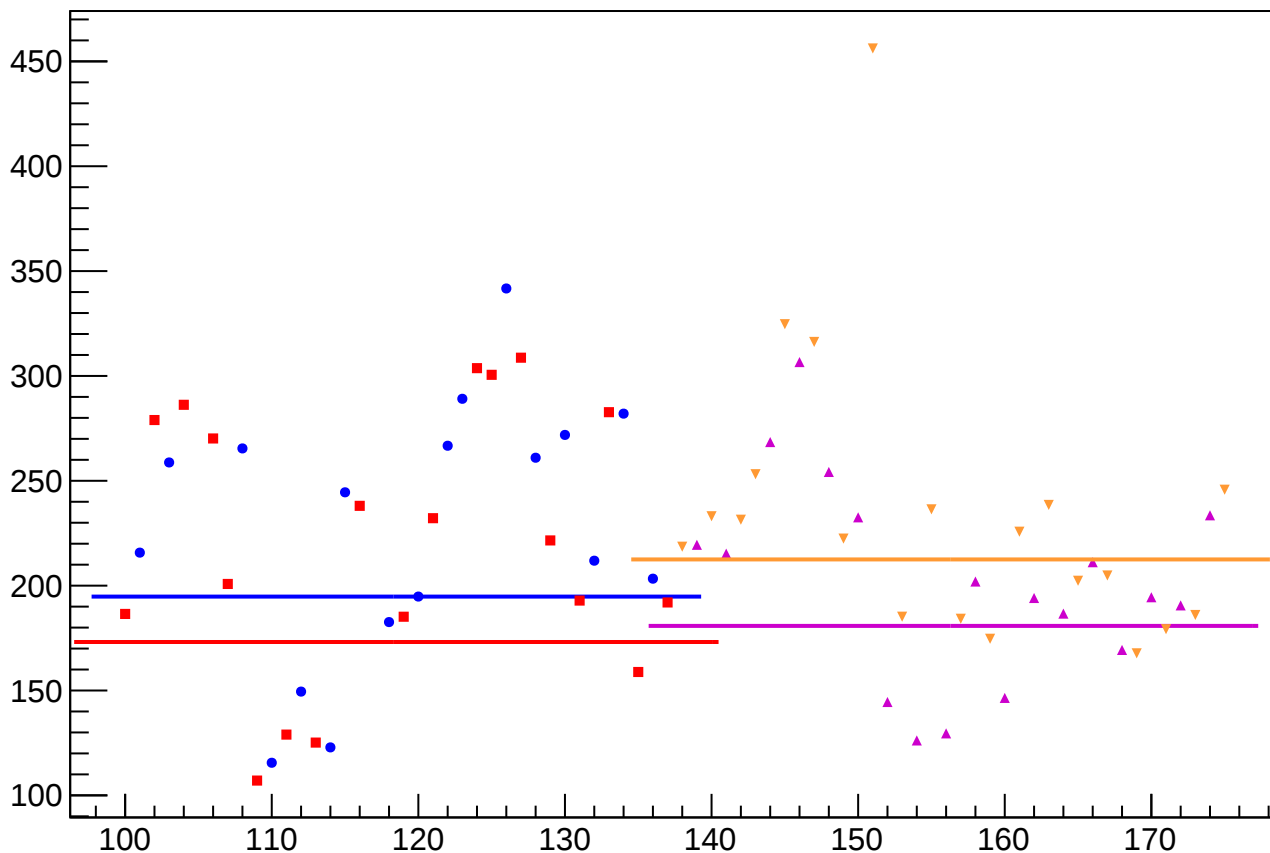
Left In: -31.231 $\pm$ 50.853 χ^2 /NDF: 6.4/17

+ sign 24.267 $\pm$ 46.233 χ^2 /NDF: 13.4/36

All: -0.720 $\pm$ 30.774 χ^2 /NDF: 27.7/73

- sign -20.598 $\pm$ 41.237 χ^2 /NDF: 13.8/36

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 212.502 $\pm$ 0.040 χ^2 /NDF:1245597.8/19

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

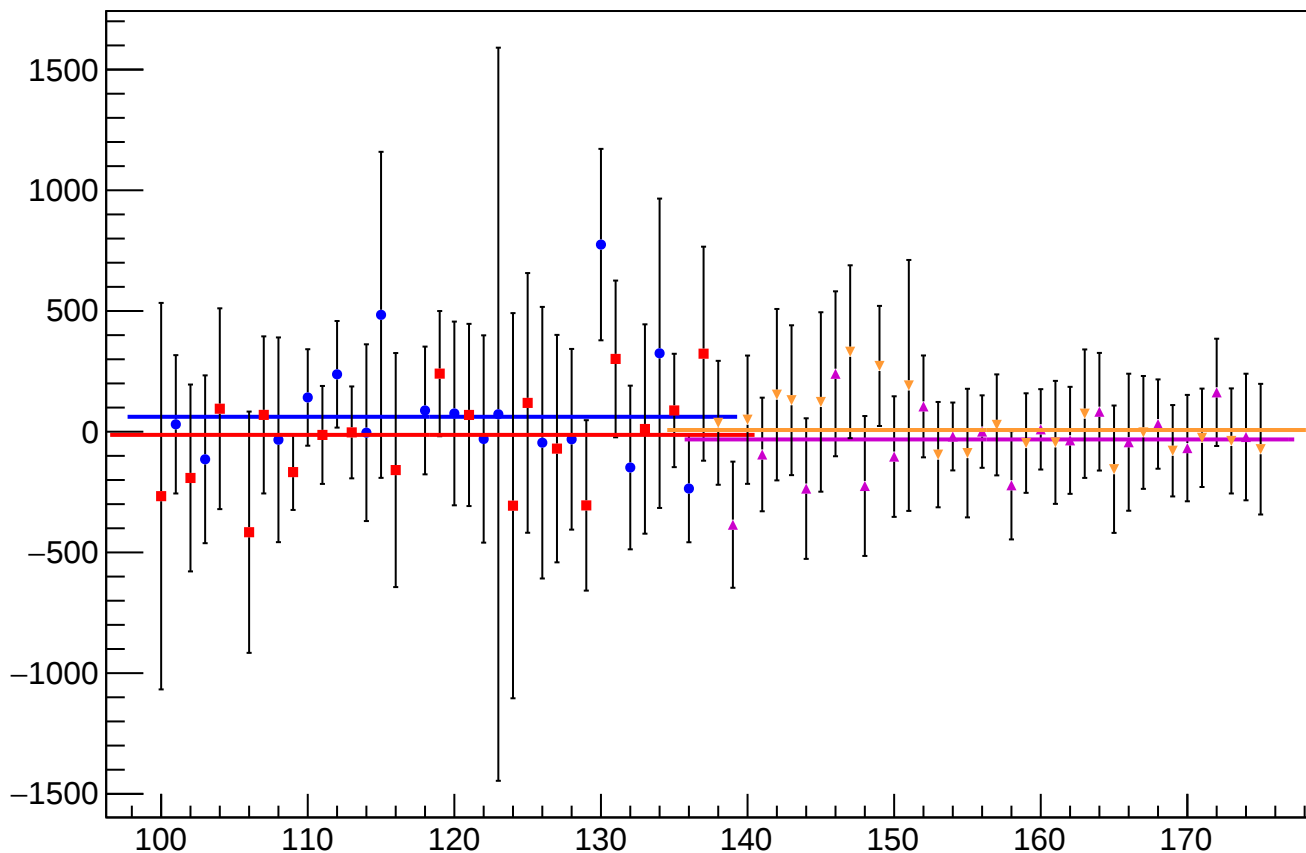
Left In: 180.809 $\pm$ 0.036 χ^2 /NDF:1574803.7/17

+ sign 206.583 $\pm$ 0.033 χ^2 /NDF: 2319250.5/36

All: 190.764 $\pm$ 0.022 χ^2 /NDF: 5897610.1/73

- sign 178.180 $\pm$ 0.029 χ^2 /NDF: 3157973.2/36

asym_bcm_an_us_mean vs Slug



Right In: 61.814 ± 79.986 χ^2/NDF : 7.3/16

Left Out: 7.067 ± 56.521 χ^2/NDF : 3.8/19

Right Out: -13.101 ± 70.391 χ^2/NDF : 5.8/18

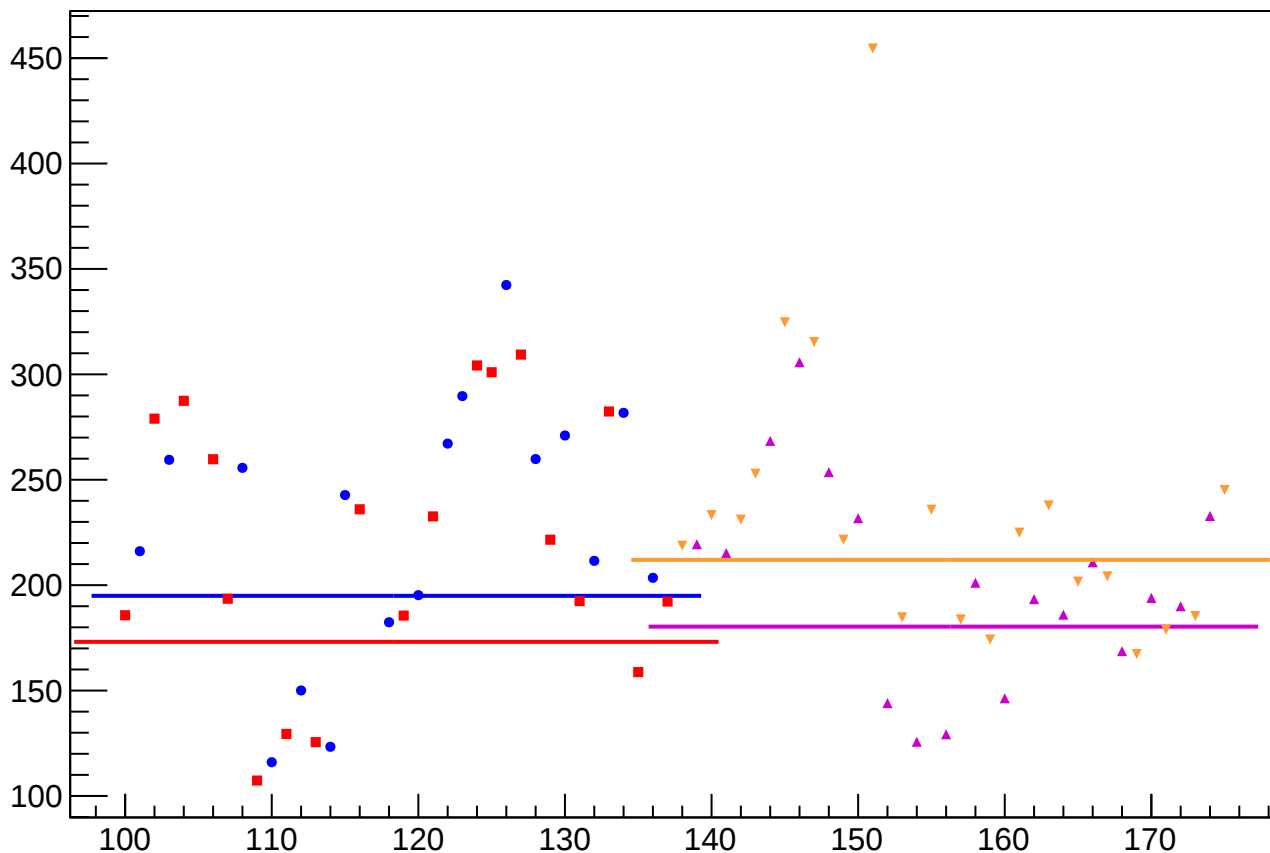
Left In: -31.980 ± 50.720 χ^2/NDF : 5.9/17

+ sign 25.300 ± 46.159 χ^2/NDF : 11.4/36

All: -3.020 ± 30.717 χ^2/NDF : 23.8/73

- sign -25.528 ± 41.150 χ^2/NDF : 11.7/36

asym_bcm_an_us_rms vs Slug



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 211.993 $\pm$ 0.040 χ^2 /NDF:1247719.1/19

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

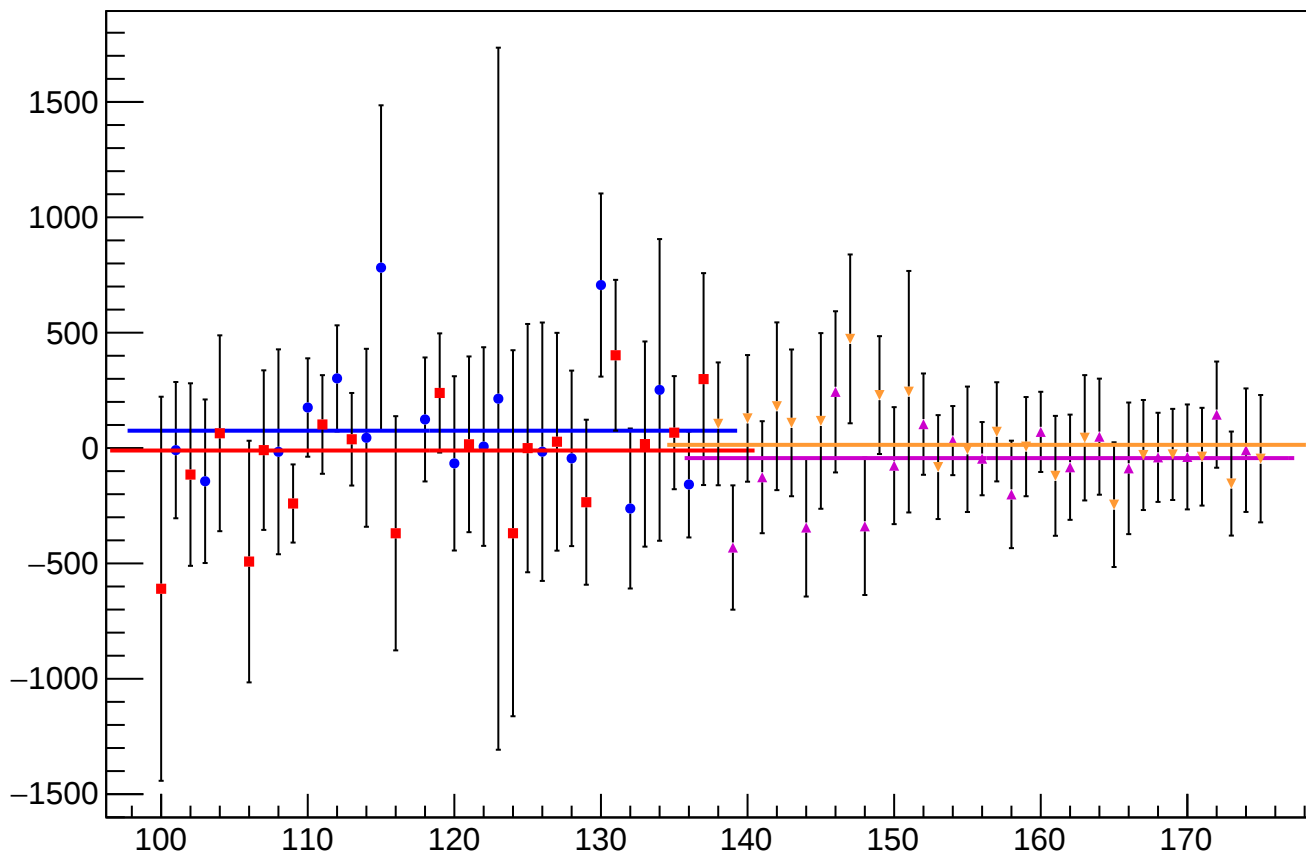
Left In: 180.327 $\pm$ 0.036 χ^2 /NDF:1578317.9/17

+ sign 206.313 $\pm$ 0.033 χ^2 /NDF: 2294985.5/36

All: 190.460 $\pm$ 0.022 χ^2 /NDF: 5855284.5/73

- sign 177.860 $\pm$ 0.029 χ^2 /NDF: 3136883.6/36

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 13.917 $\pm$ 58.211 χ^2 /NDF: 5.3/19

Right Out: -10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

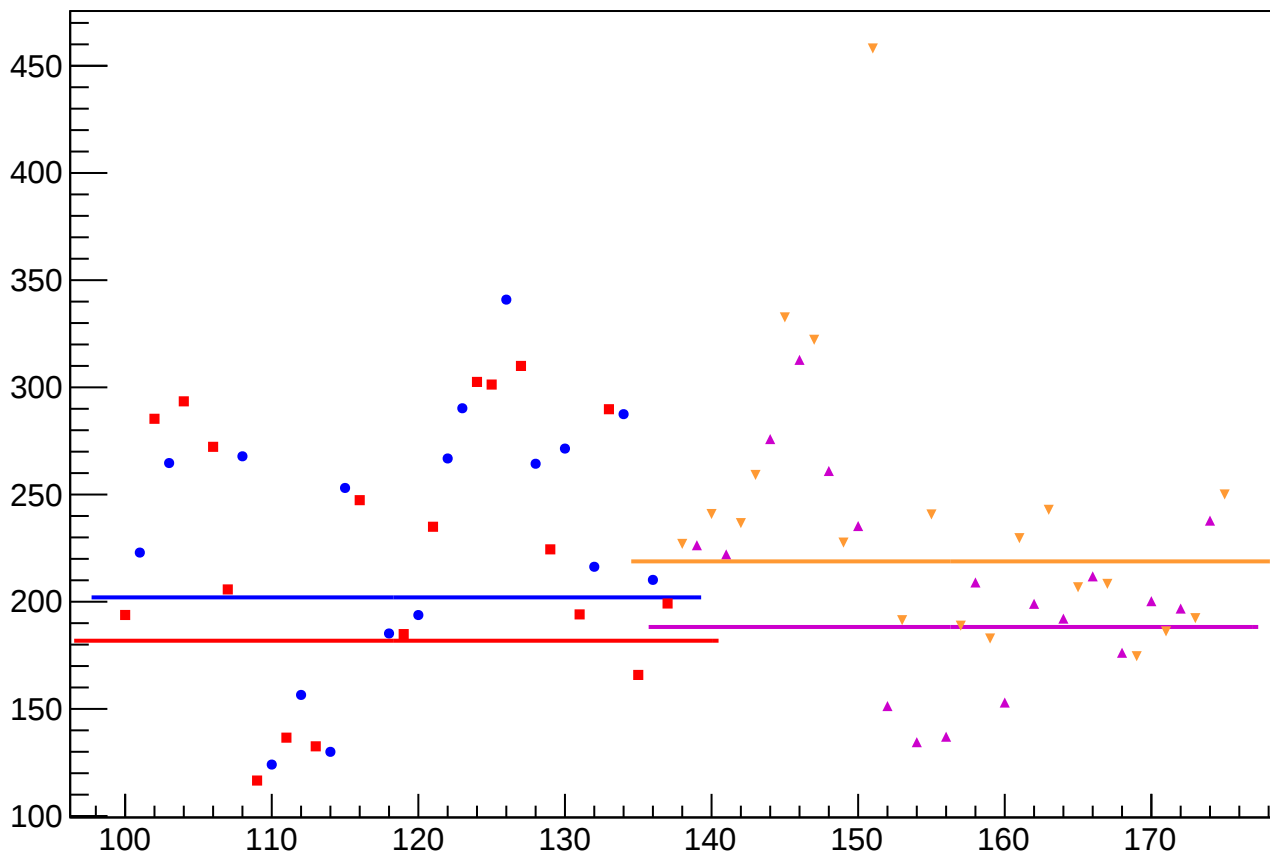
Left In: -43.567 $\pm$ 52.713 χ^2 /NDF: 7.3/17

+ sign 34.287 $\pm$ 47.564 χ^2 /NDF: 13.3/36

All: -2.539 $\pm$ 31.817 χ^2 /NDF: 29.7/73

- sign -32.362 $\pm$ 42.803 χ^2 /NDF: 15.3/36

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 218.818 $\pm$ 0.041 χ^2 /NDF: 1176341.3/19

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

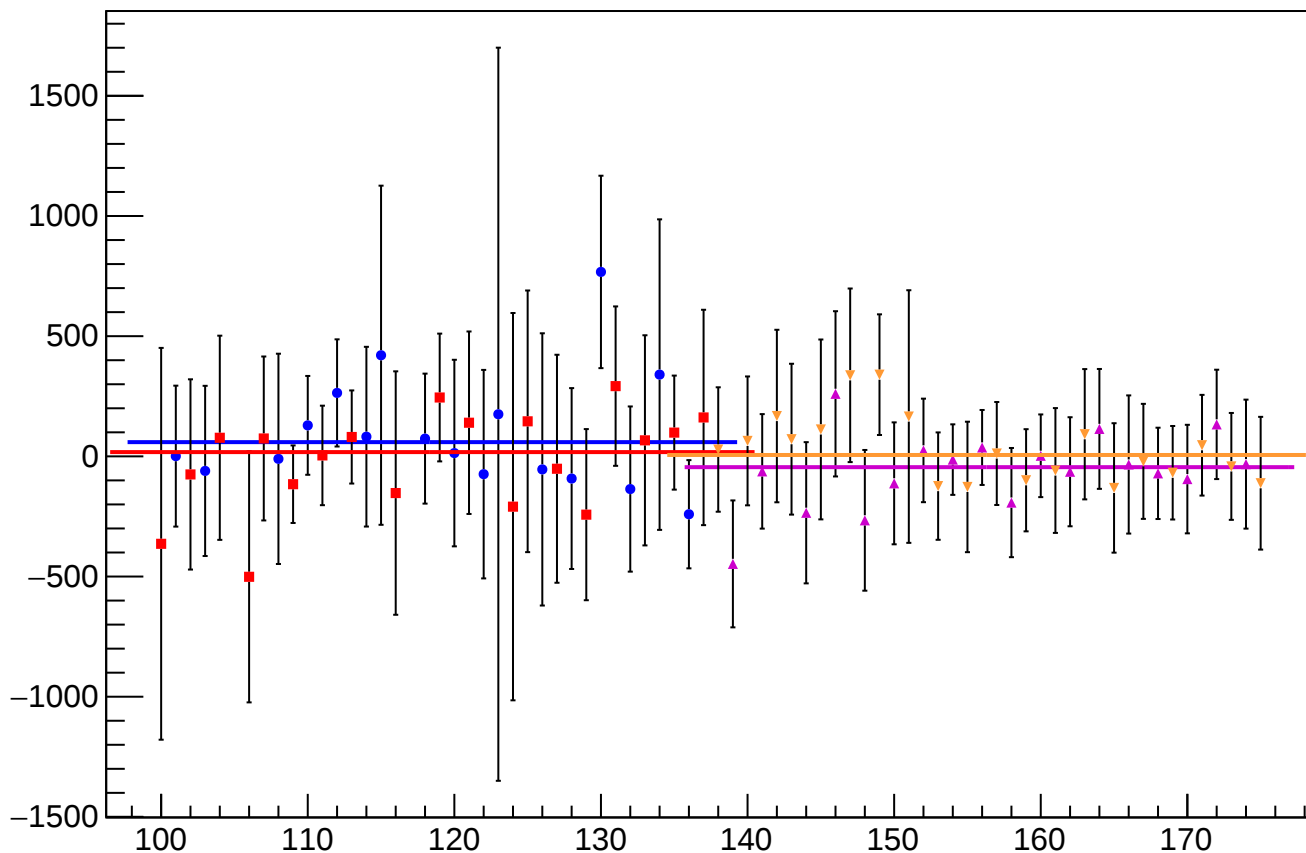
Left In: 188.225 $\pm$ 0.037 χ^2 /NDF: 1417450.0/17

+ sign 213.238 $\pm$ 0.034 χ^2 /NDF: 2113243.0/36

All: 198.210 $\pm$ 0.022 χ^2 /NDF: 5279650.7/73

- sign 186.040 $\pm$ 0.030 χ^2 /NDF: 2805072.1/36

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 5.741 $\pm$ 57.651 χ^2 /NDF:4.8/19

Right Out: 17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

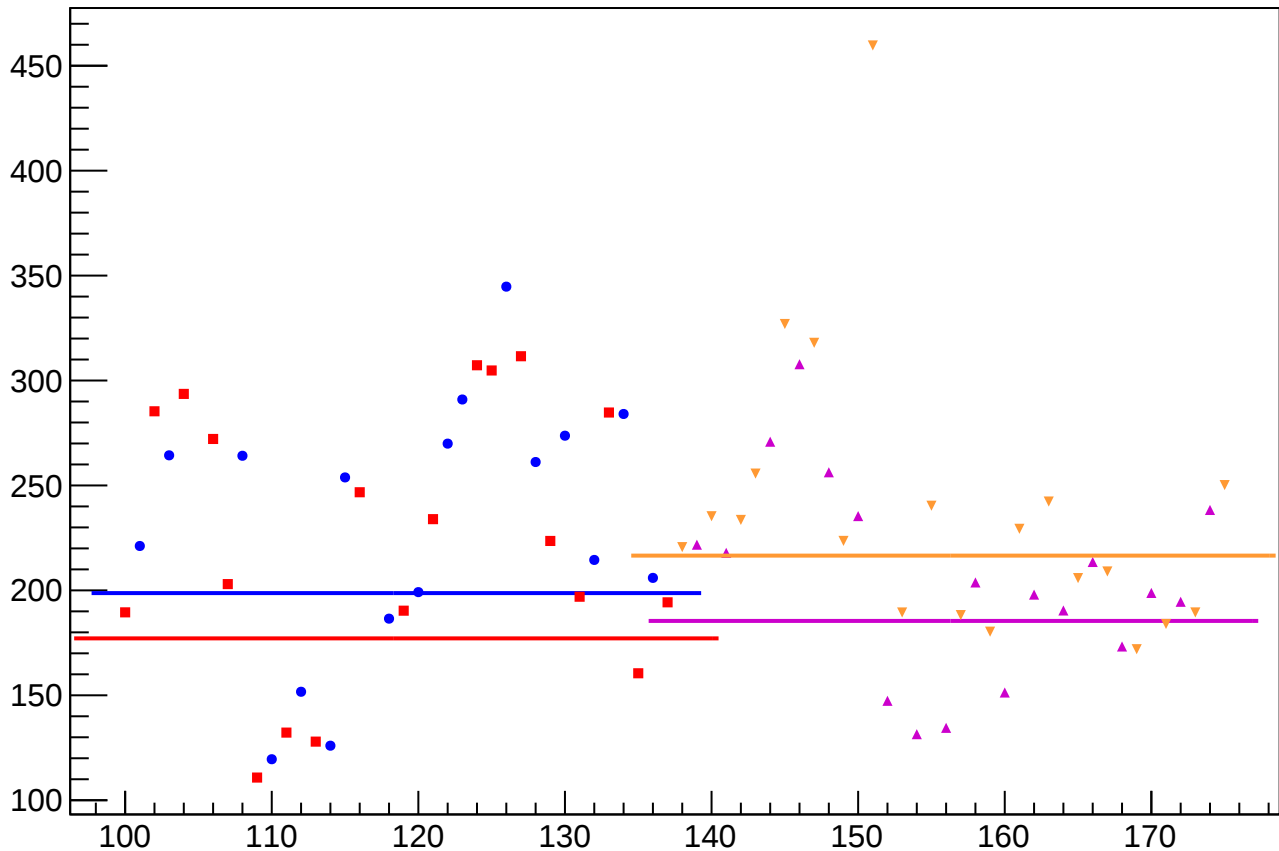
Left In: -44.945 $\pm$ 52.009 χ^2 /NDF:6.2/17

+ sign 23.586 $\pm$ 47.050 χ^2 /NDF: 12.2/36

All: -2.495 $\pm$ 31.390 χ^2 /NDF: 24.1/73

- sign -23.417 $\pm$ 42.140 χ^2 /NDF: 11.4/36

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 216.566 $\pm$ 0.041 χ^2 /NDF: 1185842.6/19

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

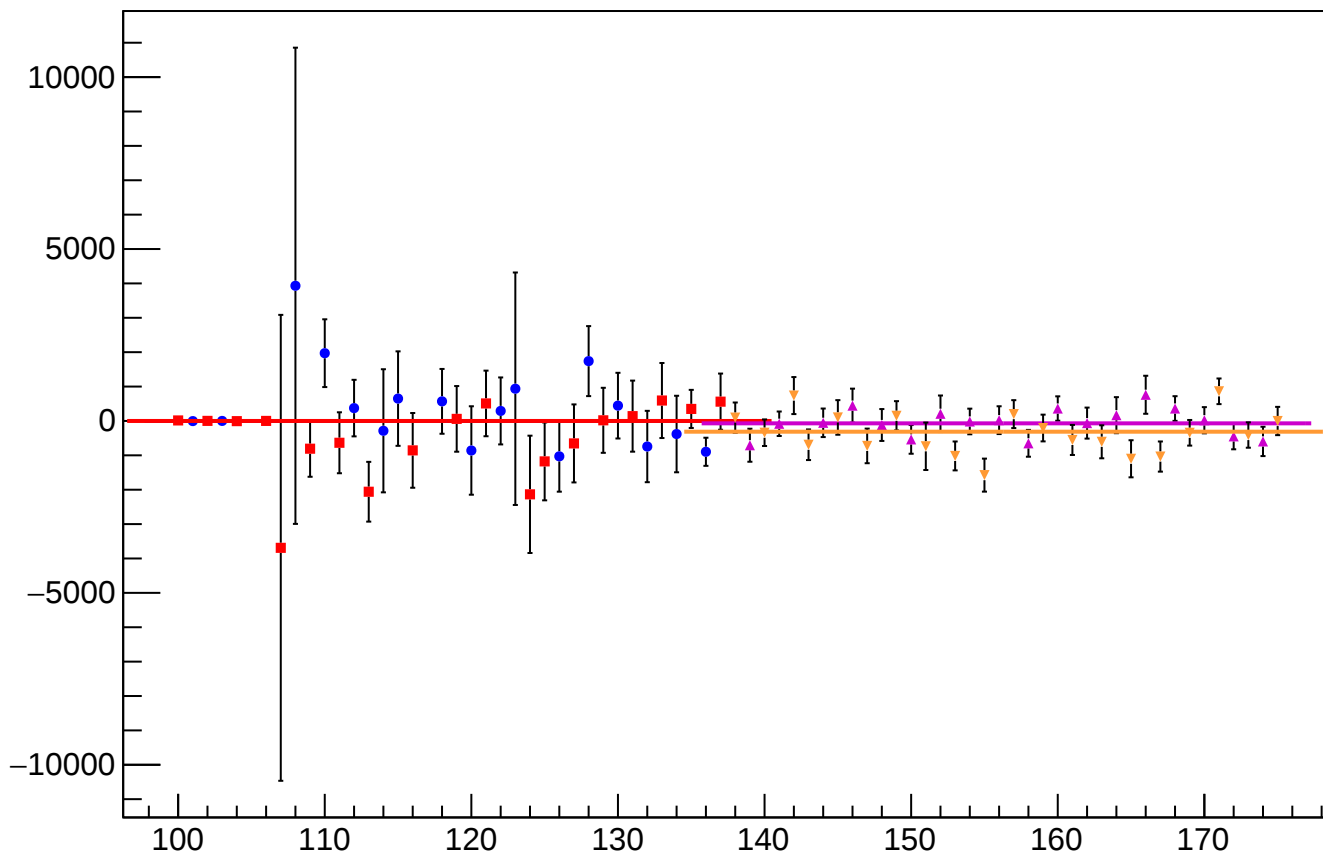
Left In: 185.445 $\pm$ 0.037 χ^2 /NDF: 1452231.3/17

+ sign 210.601 $\pm$ 0.033 χ^2 /NDF: 2213356.1/36

All: 195.056 $\pm$ 0.022 χ^2 /NDF: 5601483.9/73

- sign 182.587 $\pm$ 0.030 χ^2 /NDF: 2994702.4/36

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -312.795 ± 97.858 χ^2/NDF : 35.8/19

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.4/18

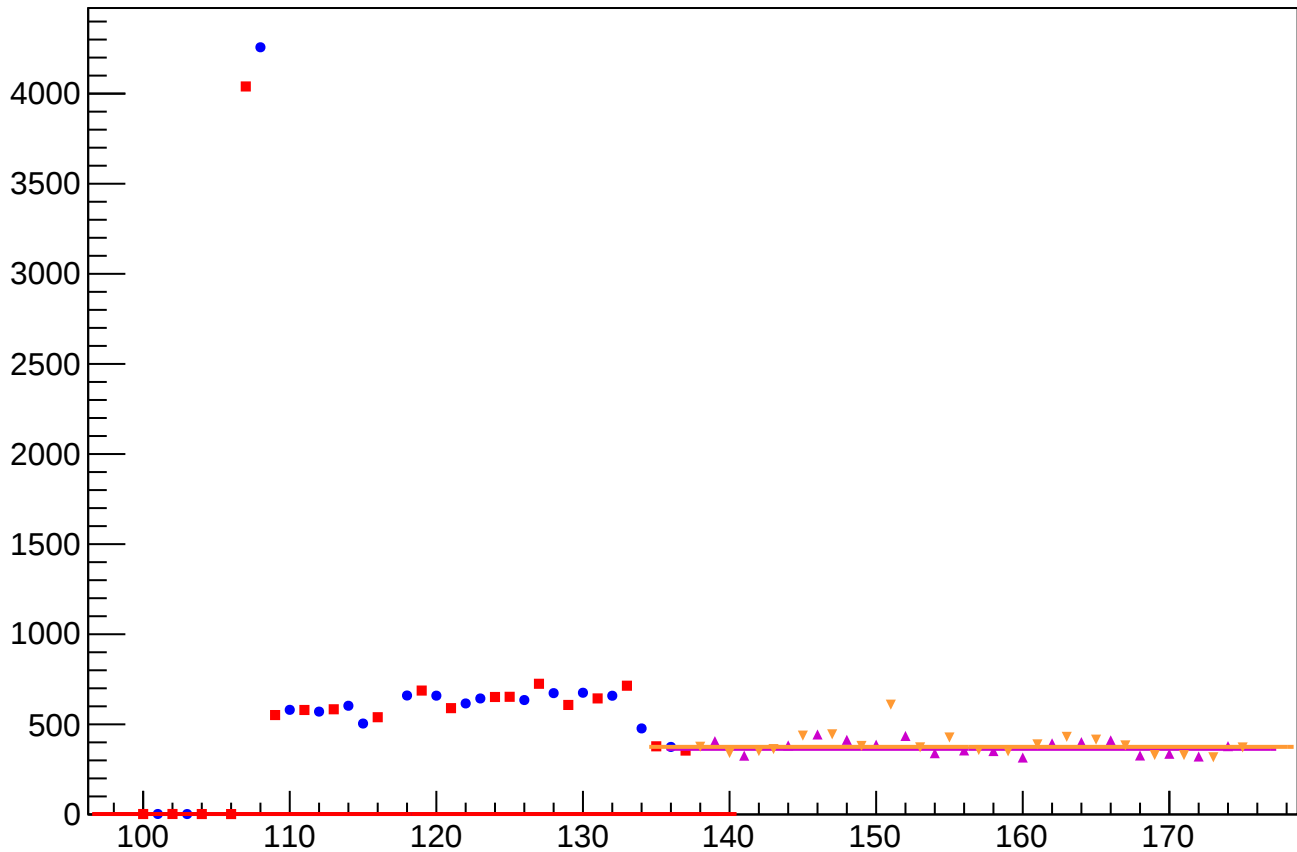
Left In: -69.683 ± 98.562 χ^2/NDF : 14.6/17

+ sign -1.694 ± 2.251 χ^2/NDF : 62.6/36

All: -1.198 ± 1.540 χ^2/NDF : 96.2/73

- sign -0.763 ± 2.111 χ^2/NDF : 33.5/36

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 375.128+/-0.069 χ^2/NDF : 505529.6/19

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

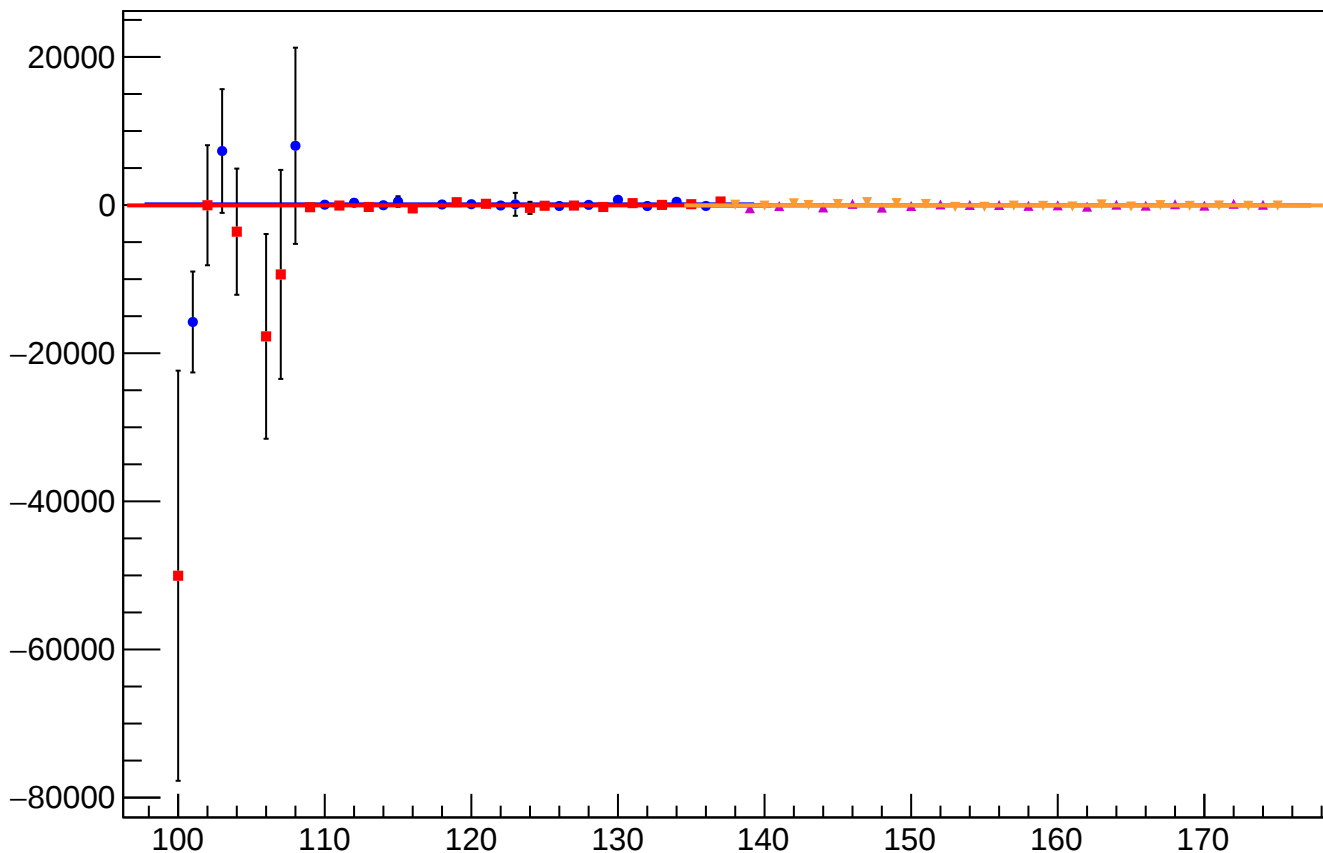
Left In: 364.110+/-0.070 χ^2/NDF : 301771.9/17

+ sign 2.653+/-0.002 χ^2/NDF : 40202905.1/36

All: 2.626+/-0.001 χ^2/NDF : 78563501.2/73

- sign 2.602+/-0.001 χ^2/NDF : 38360054.6/36

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -42.520+/-60.020 χ^2/NDF : 6.0/19

Right Out: -42.617+/-84.547 χ^2/NDF : 14.0/18

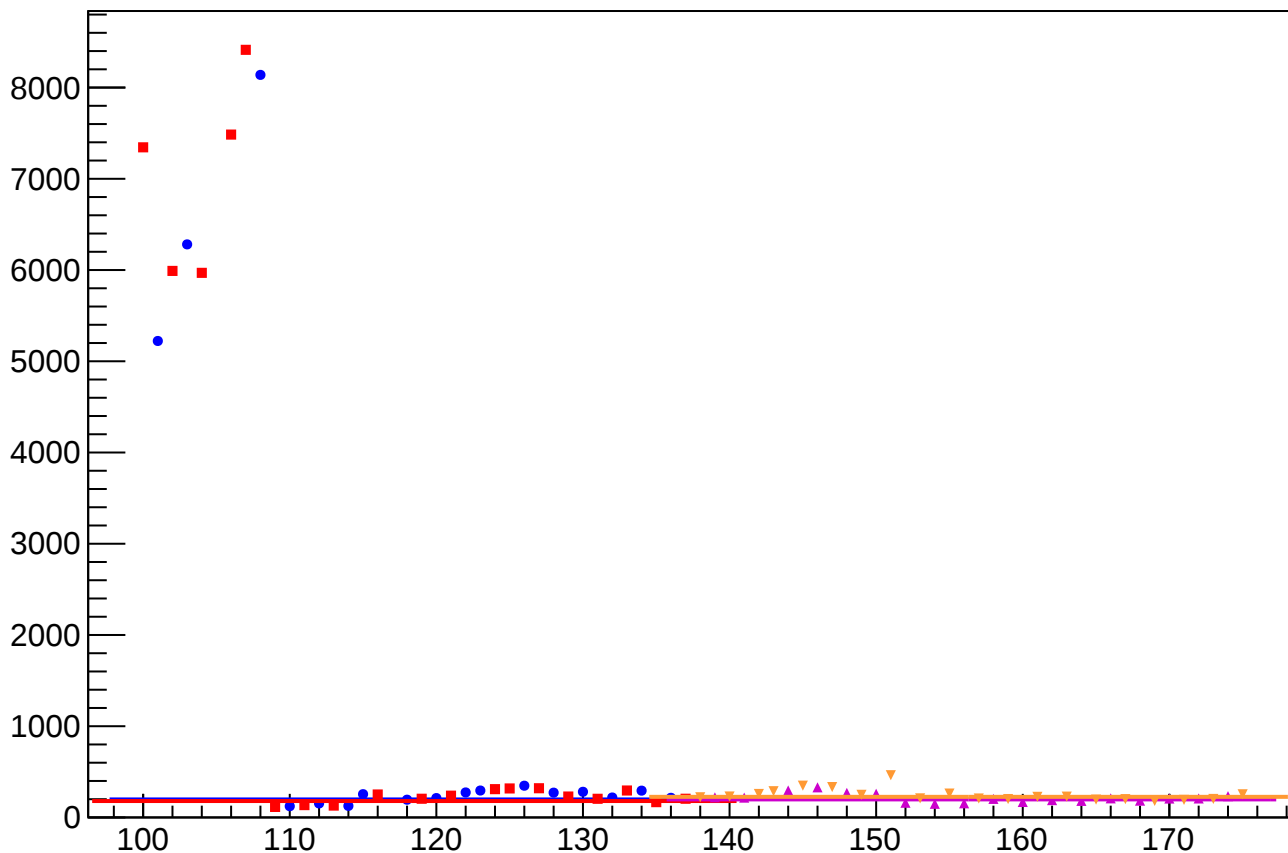
Left In: -41.669+/-55.022 χ^2/NDF : 7.2/17

+ sign -1.175+/-50.220 χ^2/NDF : 19.6/36

All: -23.297+/-33.968 χ^2/NDF : 41.2/73

- sign -41.951+/-46.116 χ^2/NDF : 21.2/36

asym_cav4cQ_rms vs Slug



Right In: 197.422 $\pm$ 0.065 χ^2 /NDF: 3695848.3/16

Left Out: 225.951 $\pm$ 0.042 χ^2 /NDF: 1146204.9/19

Right Out: 179.983 $\pm$ 0.060 χ^2 /NDF: 4321404.4/18

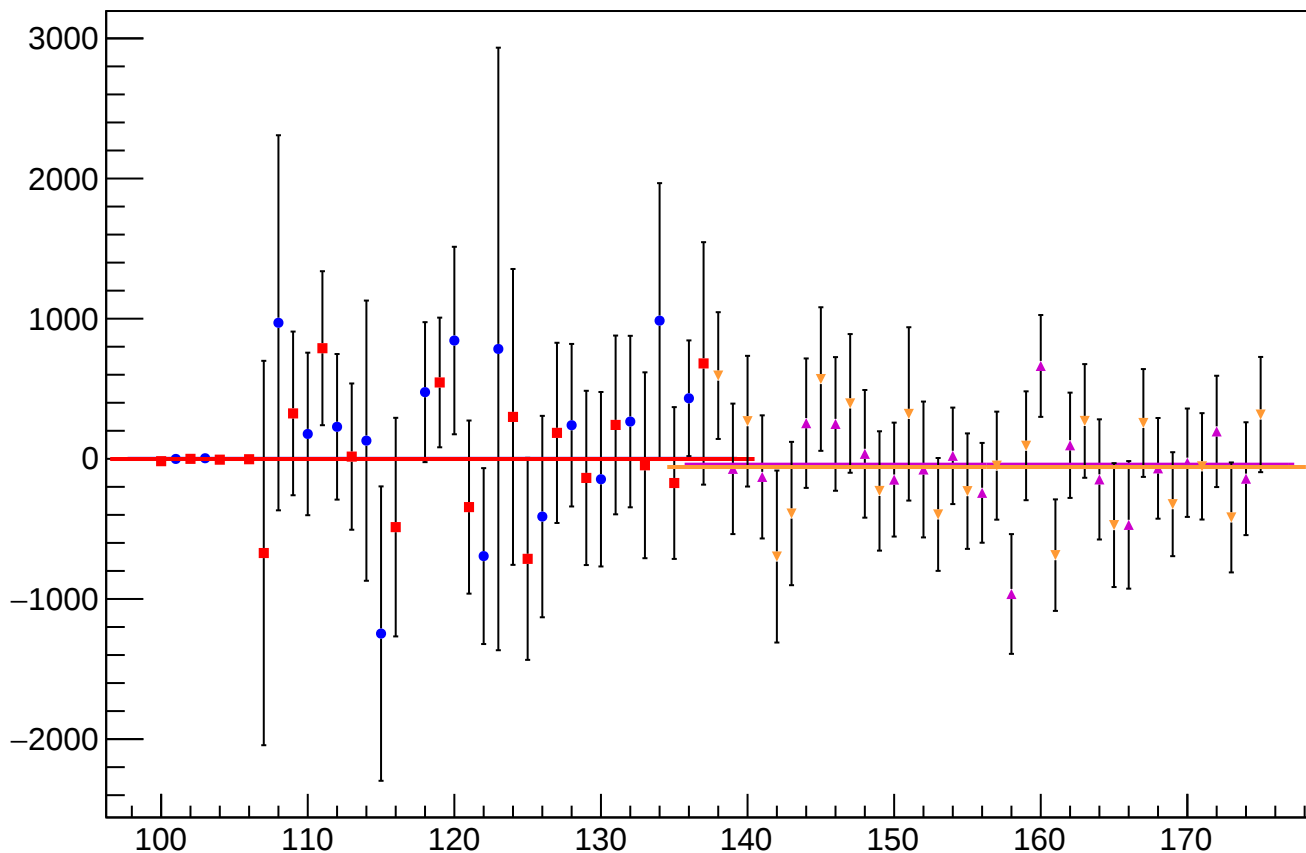
Left In: 197.783 $\pm$ 0.039 χ^2 /NDF: 1120150.7/17

+ sign 217.396 $\pm$ 0.036 χ^2 /NDF: 4977561.6/36

All: 203.882 $\pm$ 0.024 χ^2 /NDF: 10748317.6/73

- sign 192.487 $\pm$ 0.033 χ^2 /NDF: 5503832.5/36

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -58.432 ± 96.089 χ^2/NDF : 14.9/19

Right Out: -1.324 ± 1.623 χ^2/NDF : 9.5/18

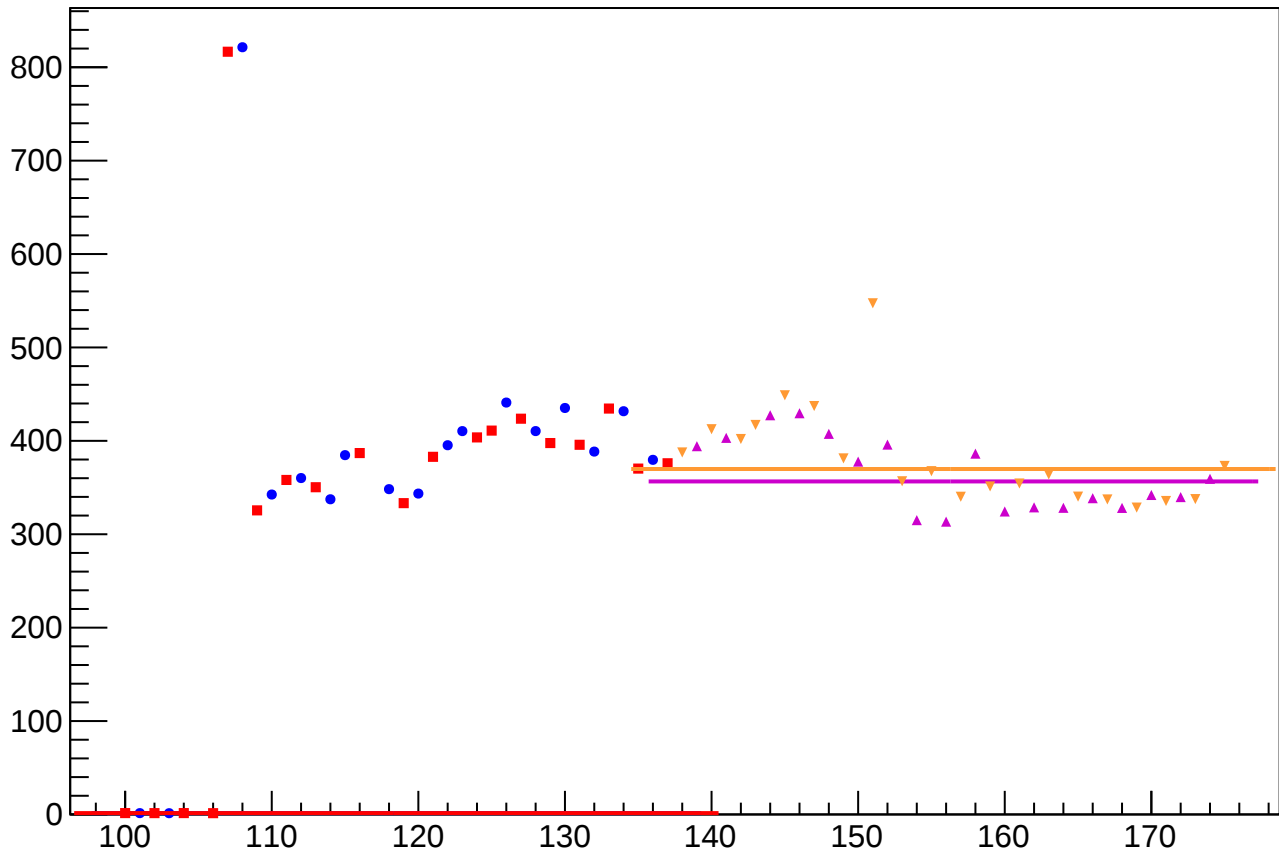
Left In: -41.719 ± 96.363 χ^2/NDF : 11.2/17

+ sign -0.158 ± 1.736 χ^2/NDF : 25.0/36

All: -0.786 ± 1.185 χ^2/NDF : 46.2/73

- sign -1.335 ± 1.622 χ^2/NDF : 20.9/36

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 369.856+/-0.068 χ^2/NDF : 393030.5/19

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

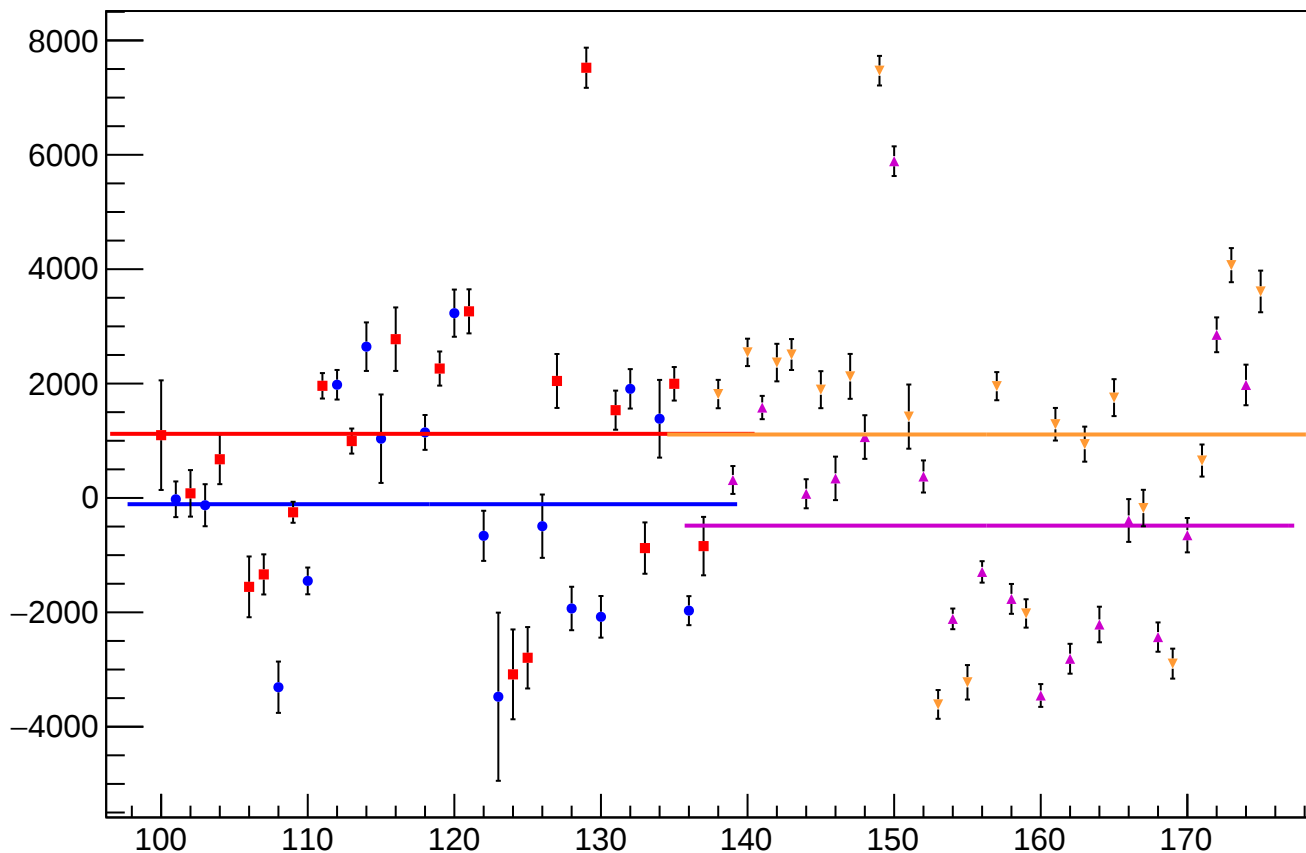
Left In: 356.545+/-0.068 χ^2/NDF : 298595.9/17

+ sign 1.572+/-0.001 χ^2/NDF : 40598206.9/36

All: 1.561+/-0.001 χ^2/NDF : 78920947.7/73

- sign 1.552+/-0.001 χ^2/NDF : 38322587.3/36

asym_bcm0l02_mean vs Slug



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 1109.738+/-64.705 χ^2/NDF : 1836.0/19

Right Out: 1121.203+/-78.396 χ^2/NDF : 670.1/18

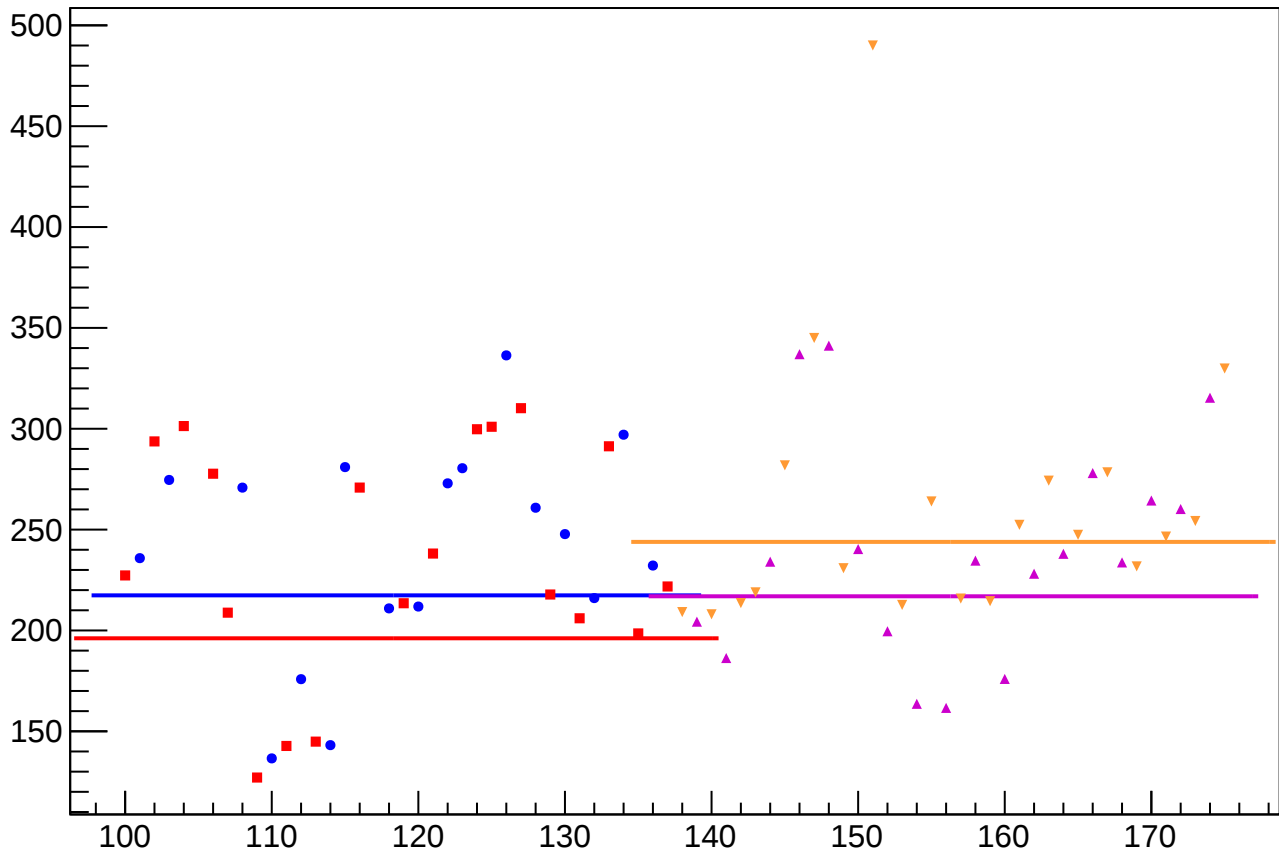
Left In: -483.902+/-60.422 χ^2/NDF : 1435.0/17

+ sign 681.732+/-52.122 χ^2/NDF : 2388.9/36

All: 373.832+/-35.252 χ^2/NDF : 4821.3/73

- sign 114.255+/-47.857 χ^2/NDF : 2368.0/36

asym_bcm0l02_rms vs Slug



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 243.908 $\pm$ 0.046 χ^2 /NDF: 926045.4/19

Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

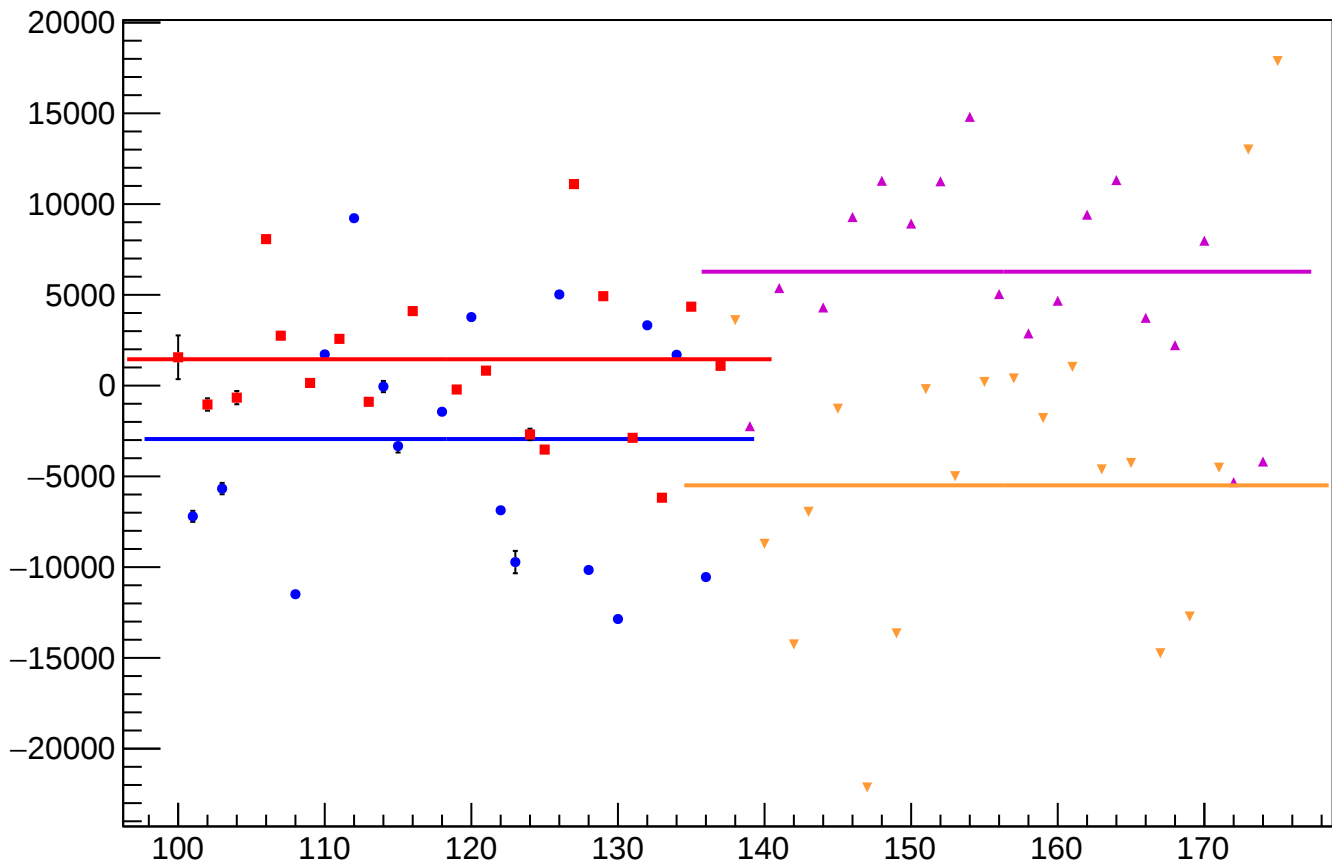
Left In: 216.939 $\pm$ 0.043 χ^2 /NDF: 1256152.5/17

+ sign 234.601 $\pm$ 0.037 χ^2 /NDF: 1696511.2/36

All: 220.807 $\pm$ 0.025 χ^2 /NDF: 4490256.2/73

- sign 209.178 $\pm$ 0.034 χ^2 /NDF: 2535568.8/36

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -5494.224+/-37.322 χ^2/NDF : 52624.0/19

Right Out: 1453.116+/-46.404 χ^2/NDF : 7996.0/18

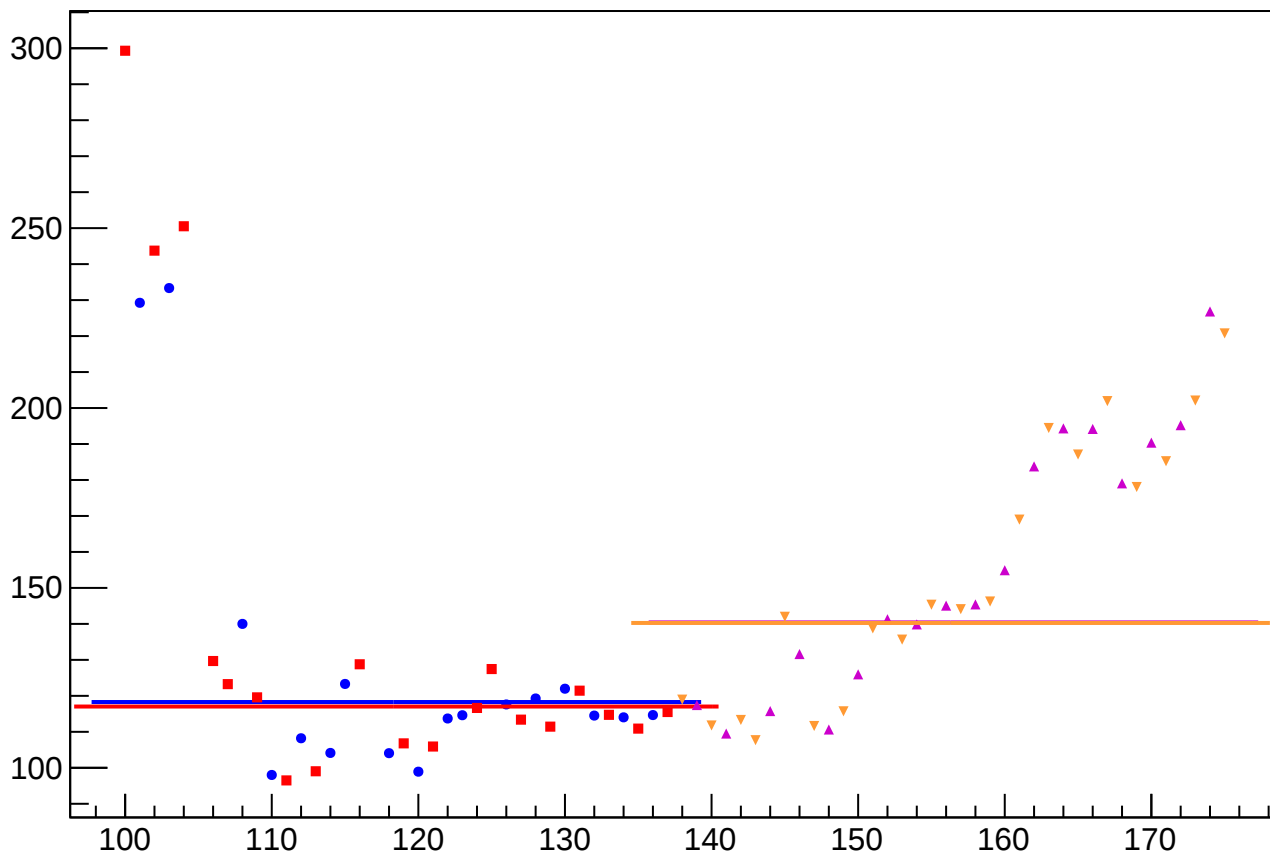
Left In: 6274.806+/-38.644 χ^2/NDF : 16426.7/17

+ sign -4548.141+/-29.604 χ^2/NDF : 75266.5/36

All: -137.571+/-20.965 χ^2/NDF : 150596.1/73

- sign 4300.265+/-29.695 χ^2/NDF : 30798.1/36

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 140.265+/-0.026 χ^2/NDF :1390279.7/19

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

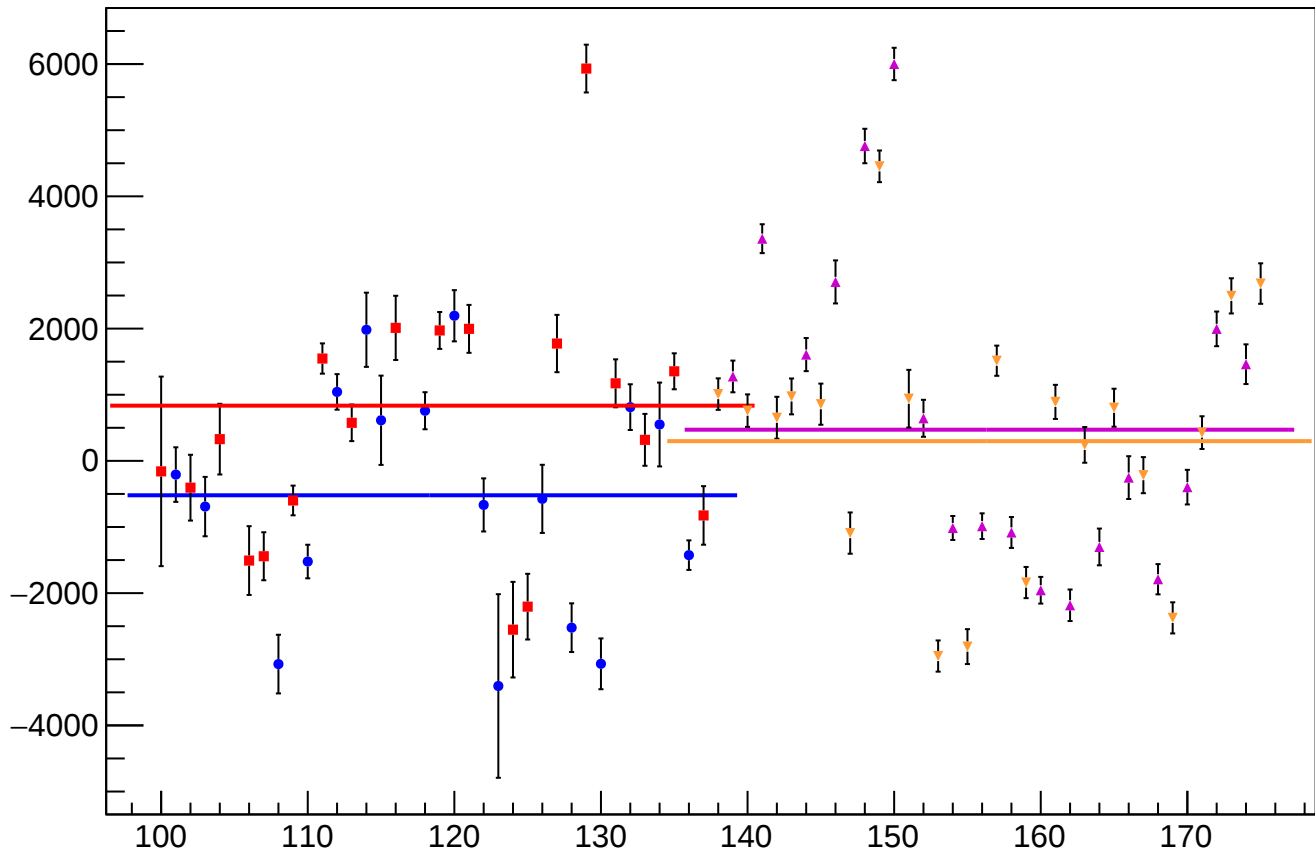
Left In: 140.420+/-0.027 χ^2/NDF :1207372.2/17

+ sign 132.114+/-0.021 χ^2/NDF : 2284420.6/36

All: 131.480+/-0.015 χ^2/NDF : 4484520.3/73

- sign 130.842+/-0.021 χ^2/NDF : 2198261.3/36

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 298.321 ± 59.329 χ^2/NDF : 1055.4/19

Right Out: 834.834 ± 82.273 χ^2/NDF : 434.7/18

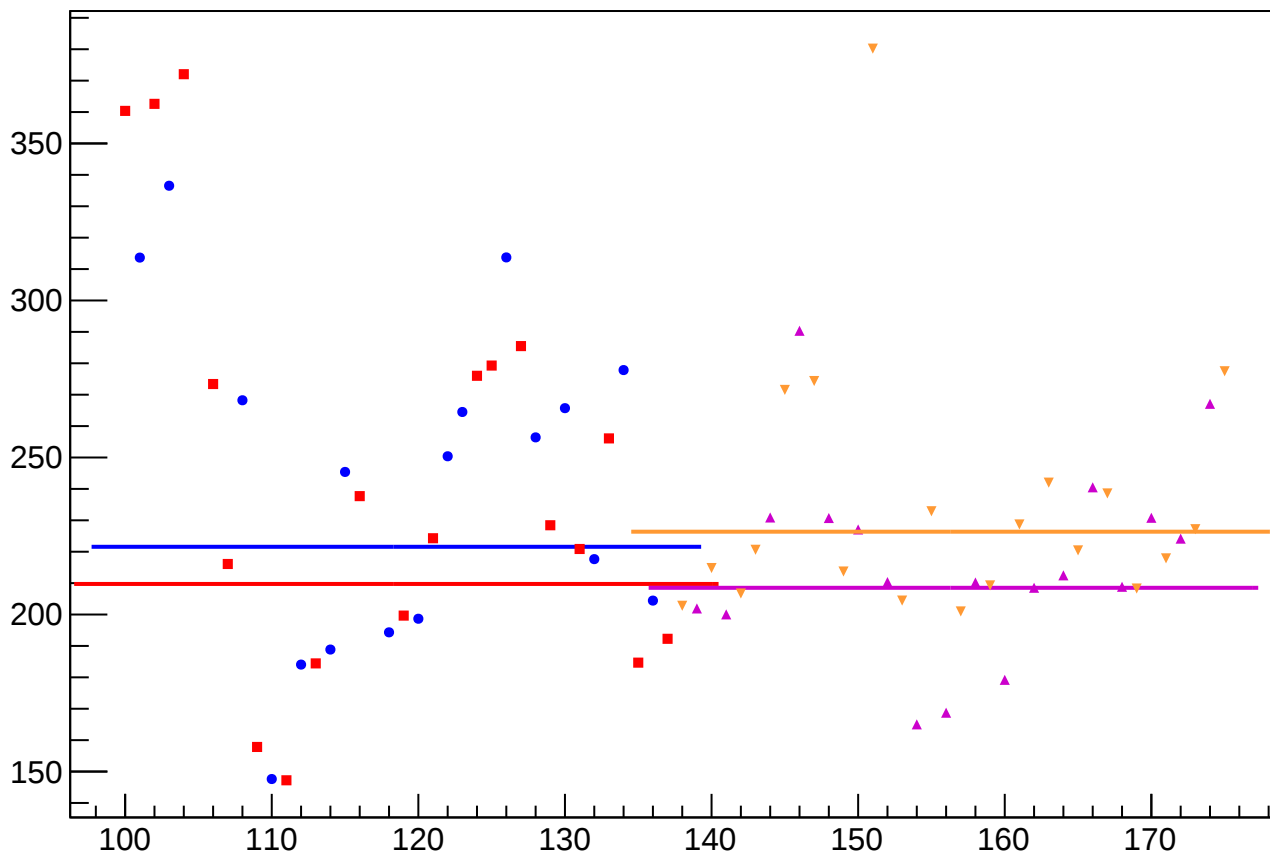
Left In: 471.328 ± 57.050 χ^2/NDF : 1670.6/17

+ sign 47.416 ± 49.407 χ^2/NDF : 1401.8/36

All: 332.591 ± 34.008 χ^2/NDF : 3583.7/73

- sign 589.359 ± 46.881 χ^2/NDF : 2118.5/36

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 226.378 $\pm$ 0.042 χ^2 /NDF: 511676.3/19

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

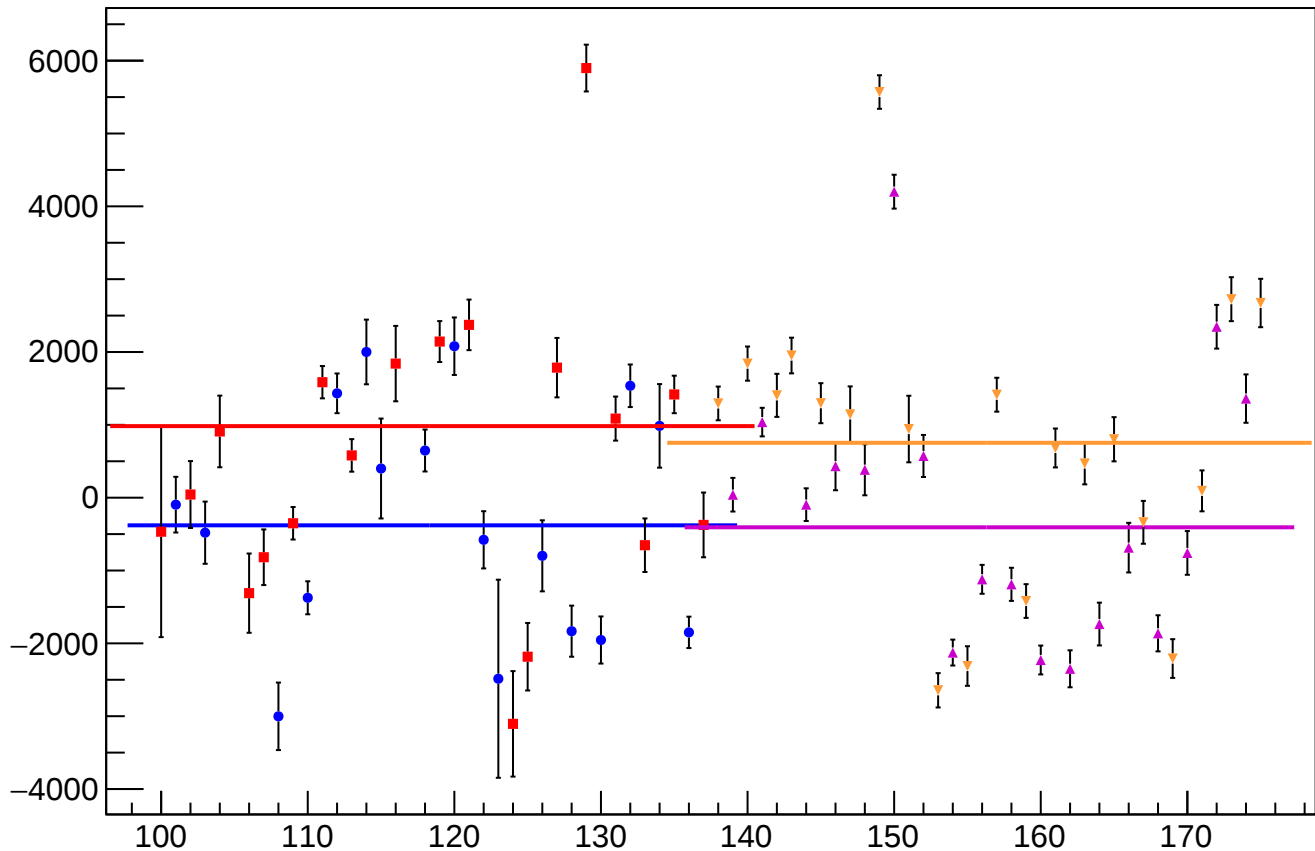
Left In: 208.508 $\pm$ 0.040 χ^2 /NDF: 532242.6/17

+ sign 224.904 $\pm$ 0.035 χ^2 /NDF: 1160643.9/36

All: 216.486 $\pm$ 0.024 χ^2 /NDF: 2687440.8/73

- sign 208.907 $\pm$ 0.033 χ^2 /NDF: 1416465.4/36

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 $\chi^2/\text{NDF}: 317.2/16$

Left Out: 753.544 ± 60.543 $\chi^2/\text{NDF}: 1149.9/19$

Right Out: 982.539 ± 77.724 $\chi^2/\text{NDF}: 476.3/18$

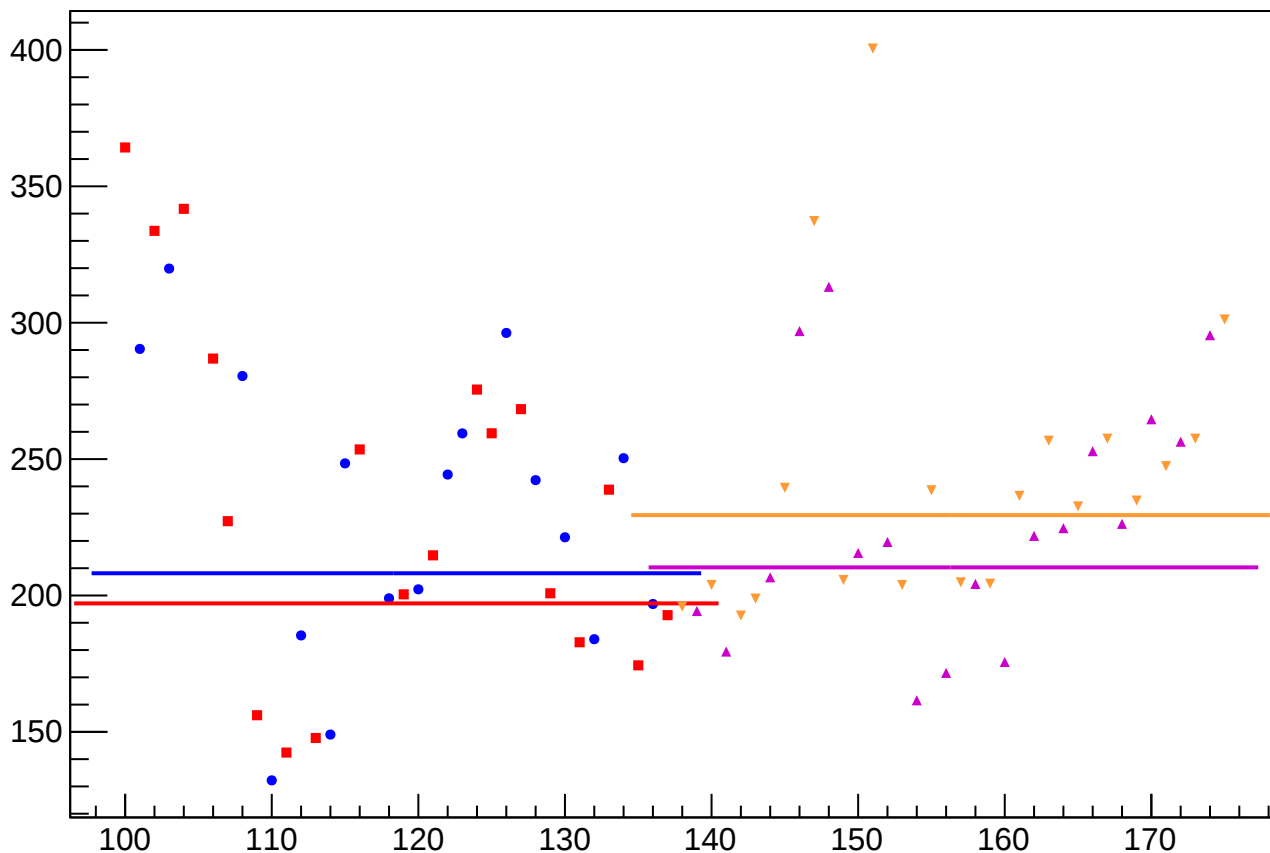
Left In: -406.592 ± 57.982 $\chi^2/\text{NDF}: 906.2/17$

+ sign 367.698 ± 49.167 $\chi^2/\text{NDF}: 1586.3/36$

All: 221.075 ± 33.774 $\chi^2/\text{NDF}: 3190.9/73$

- sign 90.071 ± 46.475 $\chi^2/\text{NDF}: 1587.7/36$

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 229.459+/-0.043 χ^2/NDF : 819265.7/19

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

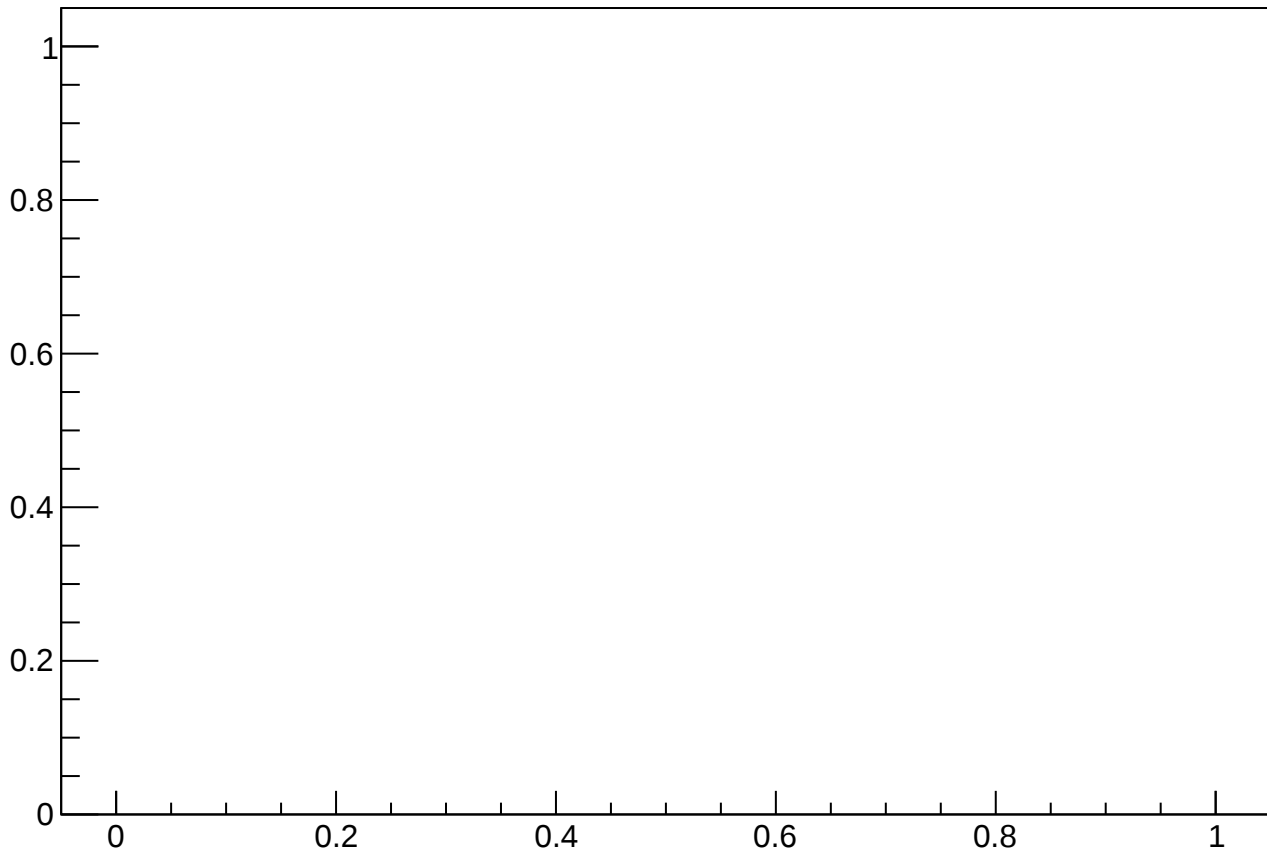
Left In: 210.301+/-0.041 χ^2/NDF : 953407.2/17

+ sign 222.203+/-0.035 χ^2/NDF : 1602699.2/36

All: 213.425+/-0.024 χ^2/NDF : 3640337.0/73

- sign 205.582+/-0.033 χ^2/NDF : 1916926.6/36

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

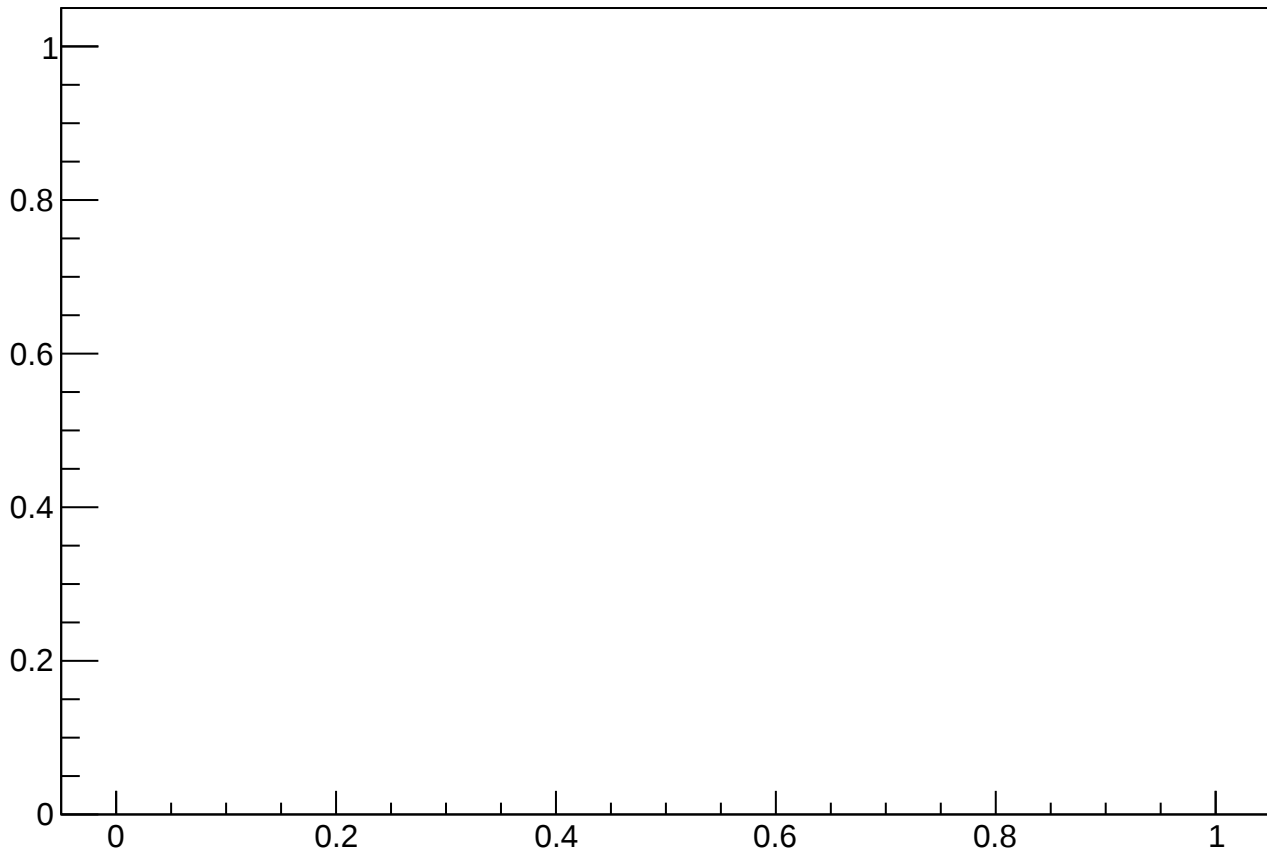
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

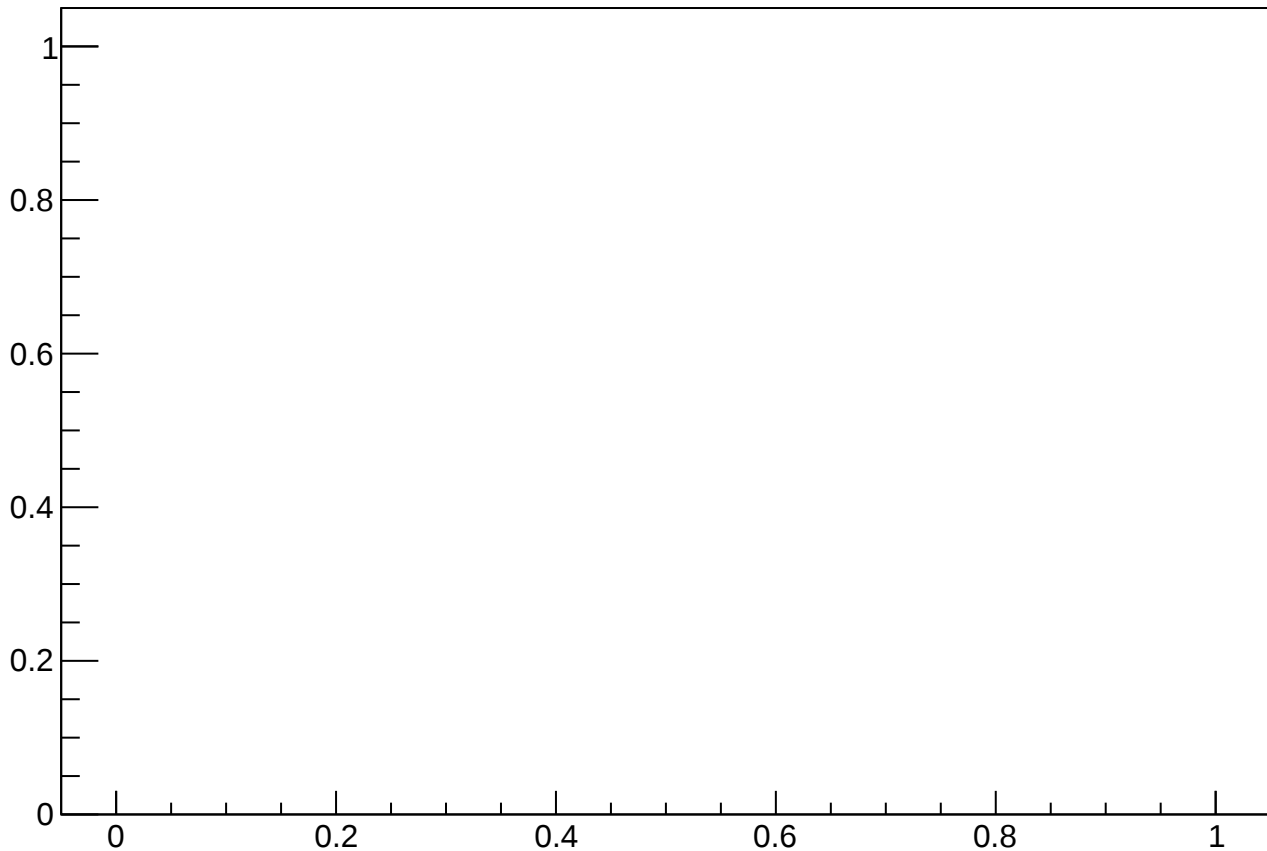
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

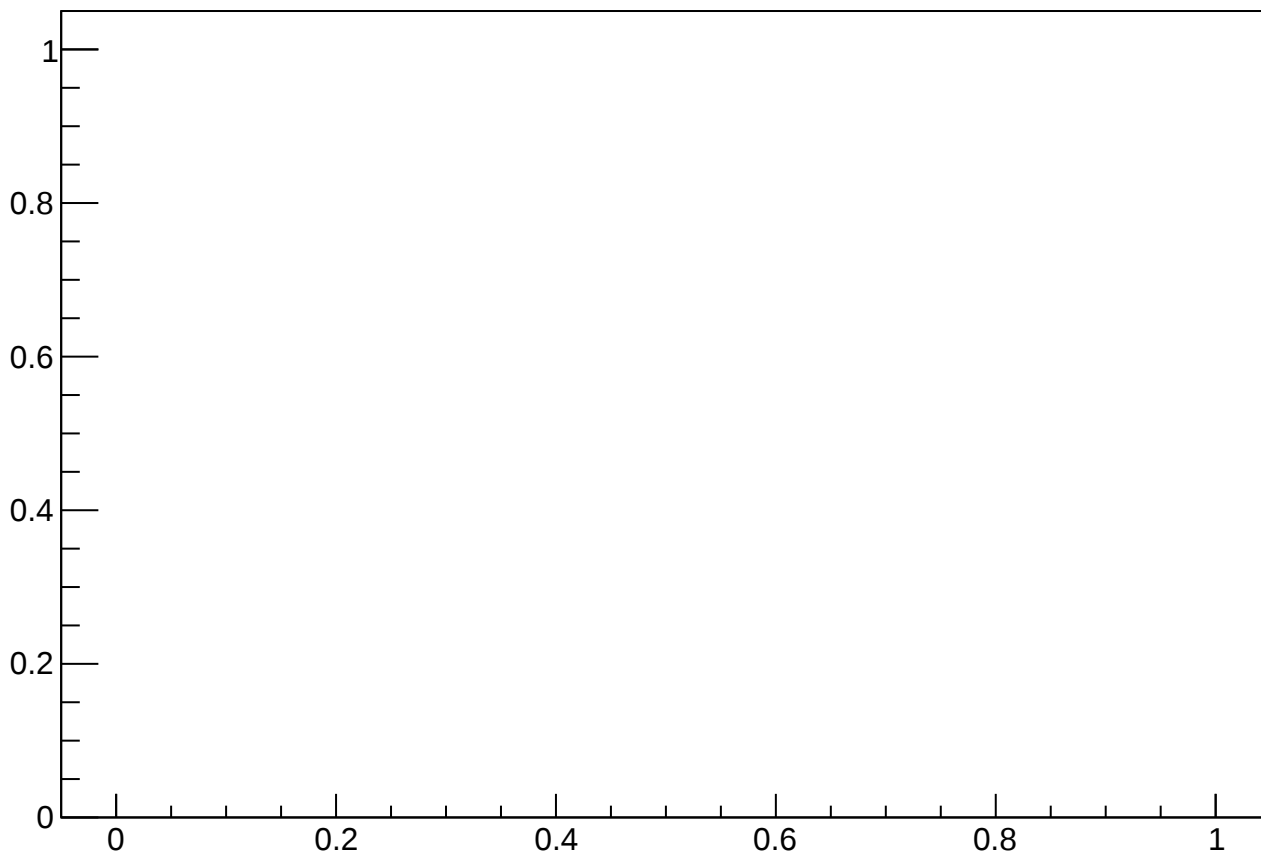
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

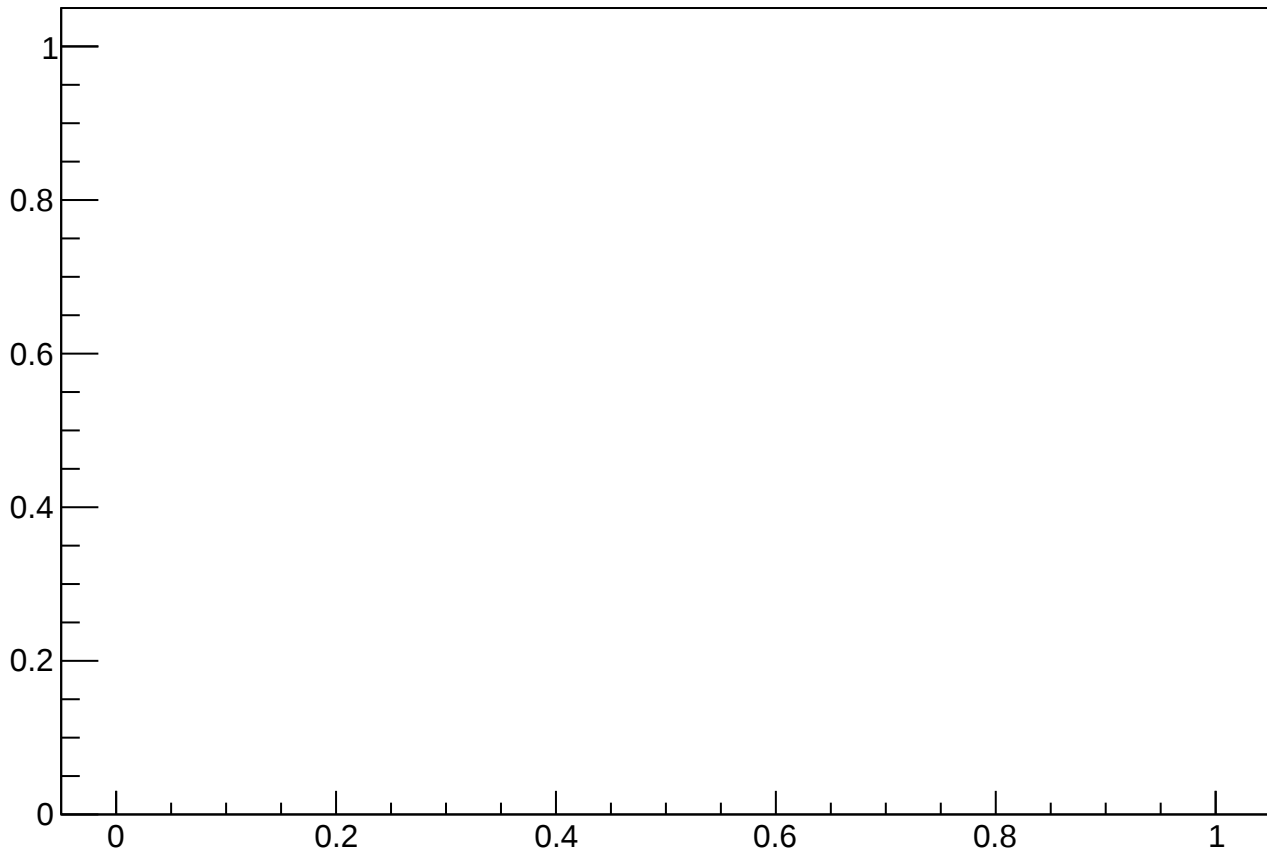
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

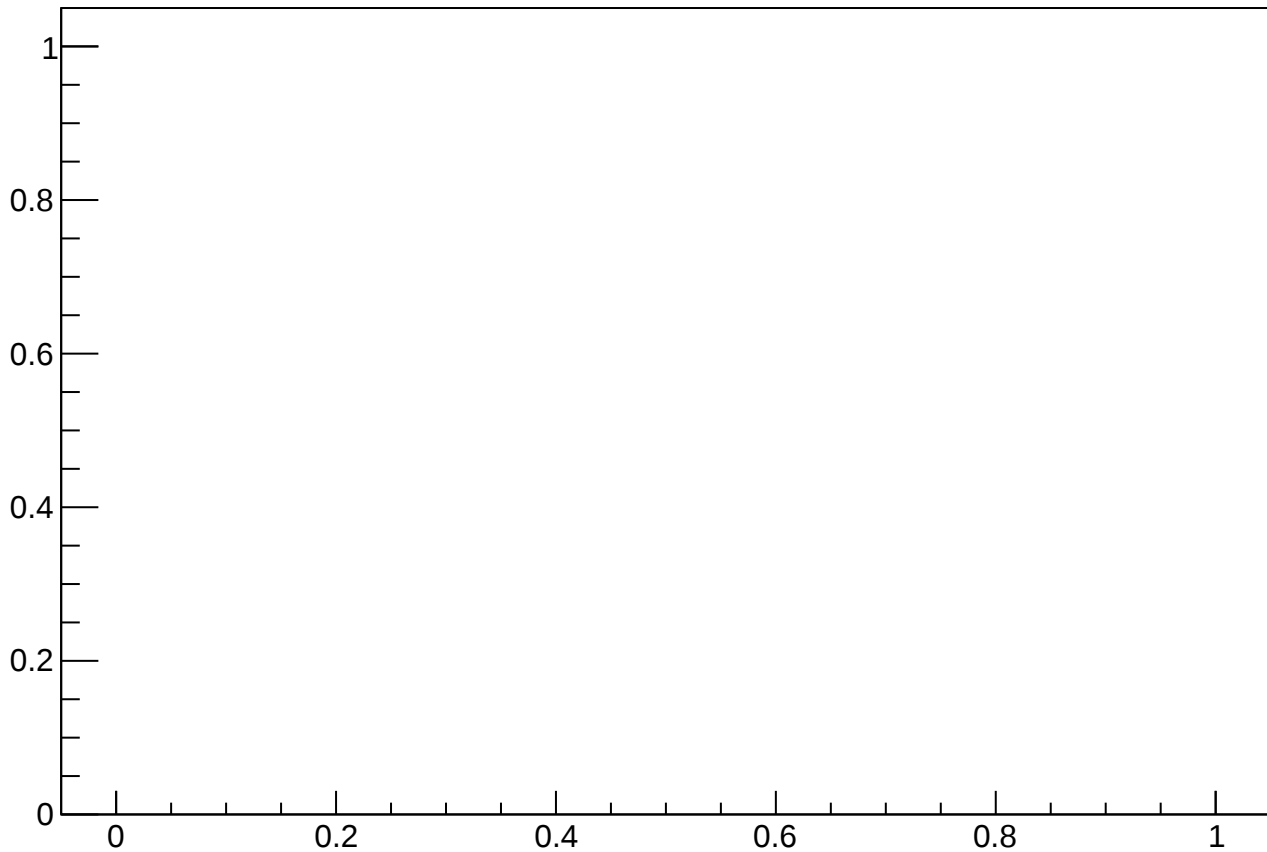
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

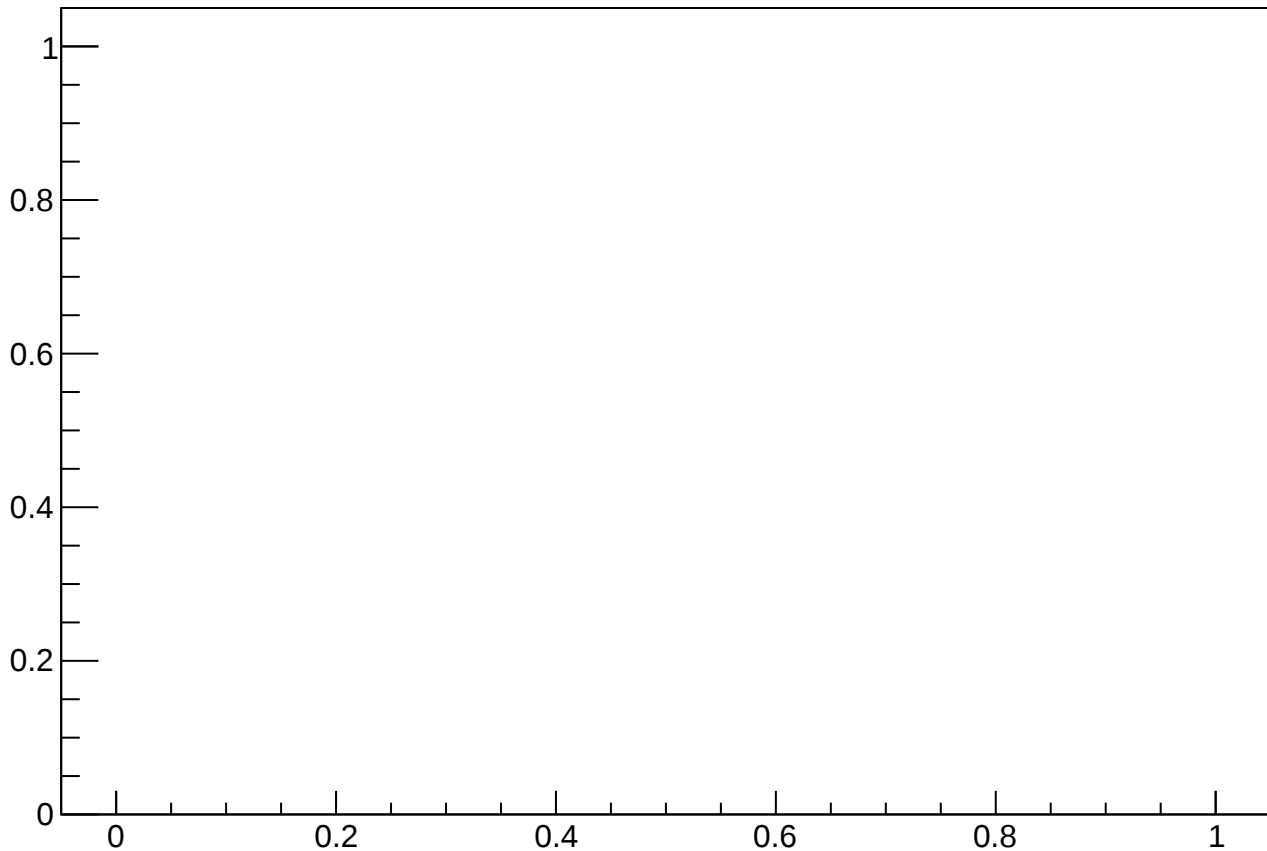
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

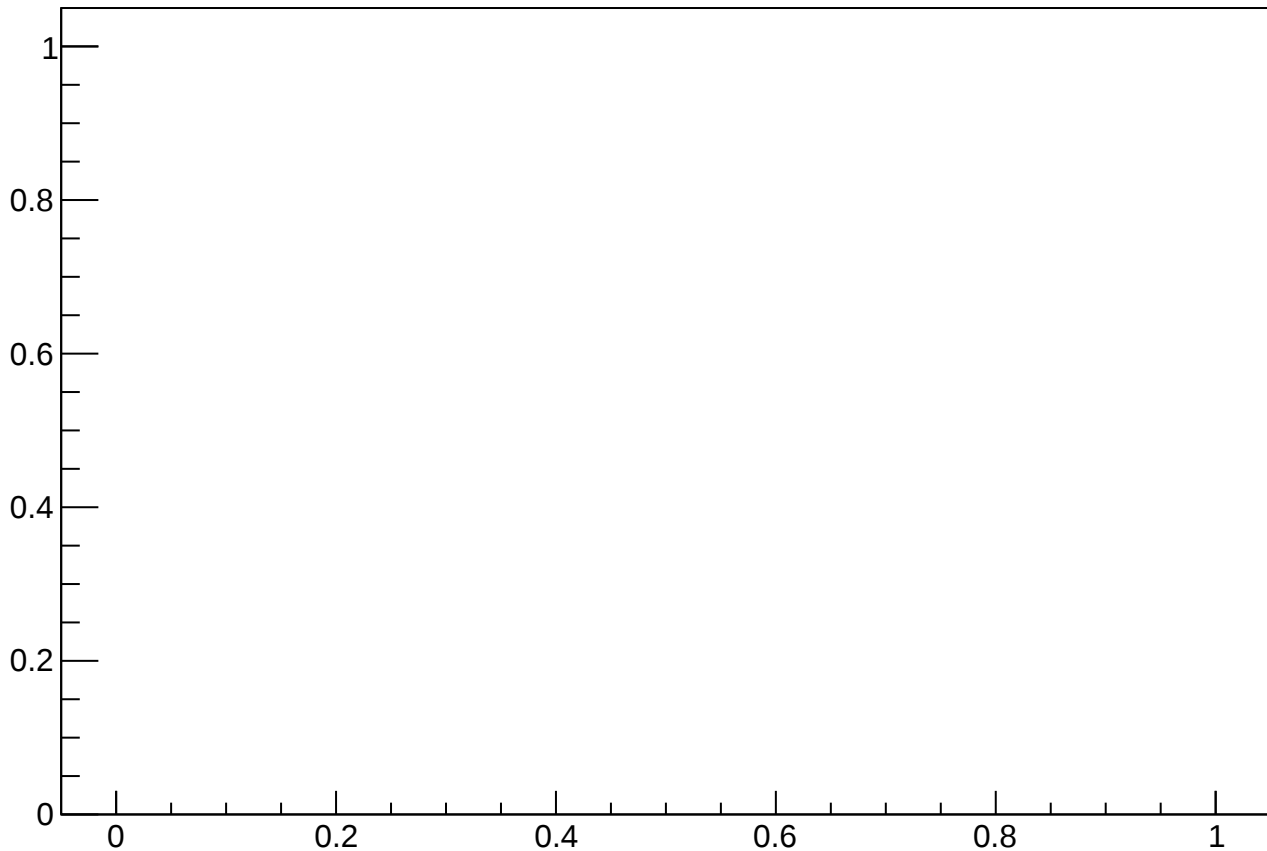
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

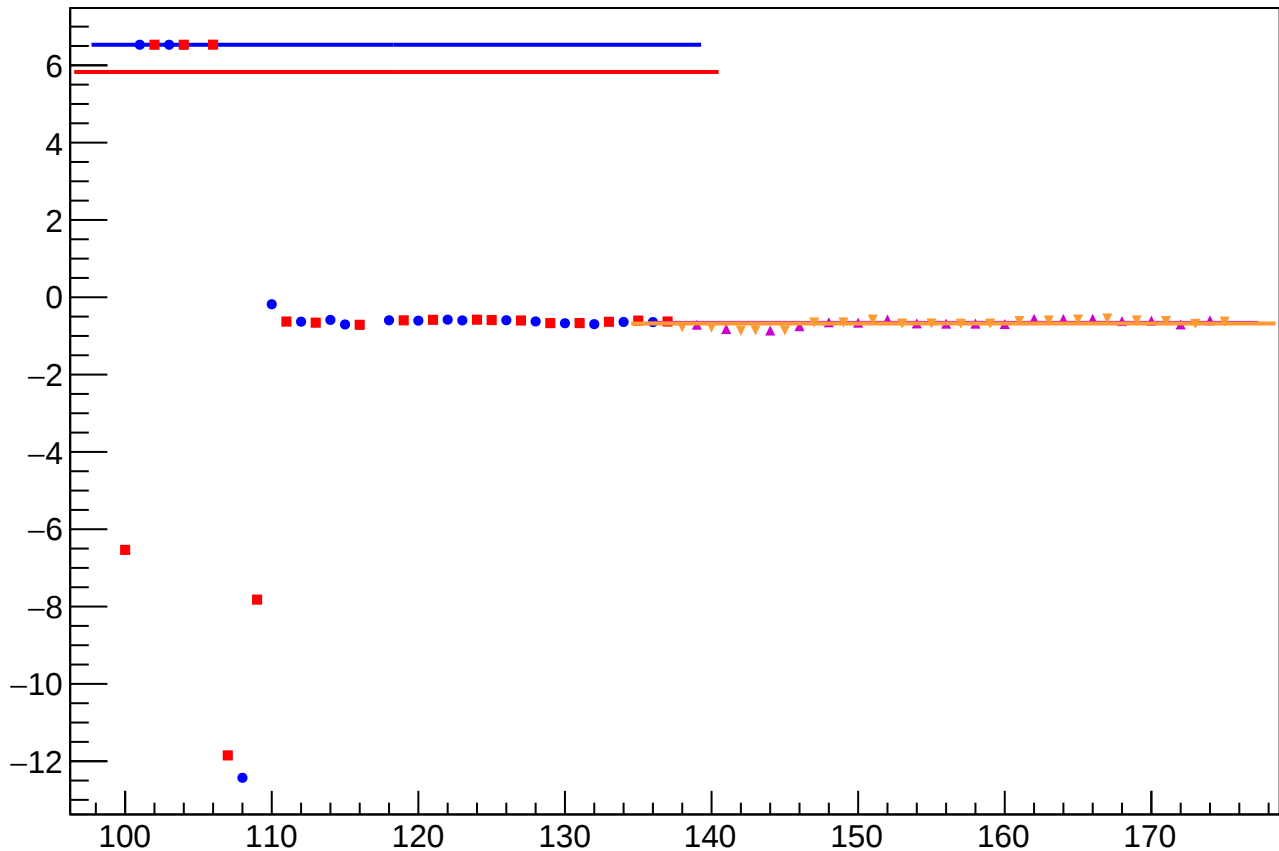
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: -0.678 $\pm$ 0.000 χ^2 /NDF: 128699460.0/19

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755963218053643.4/18

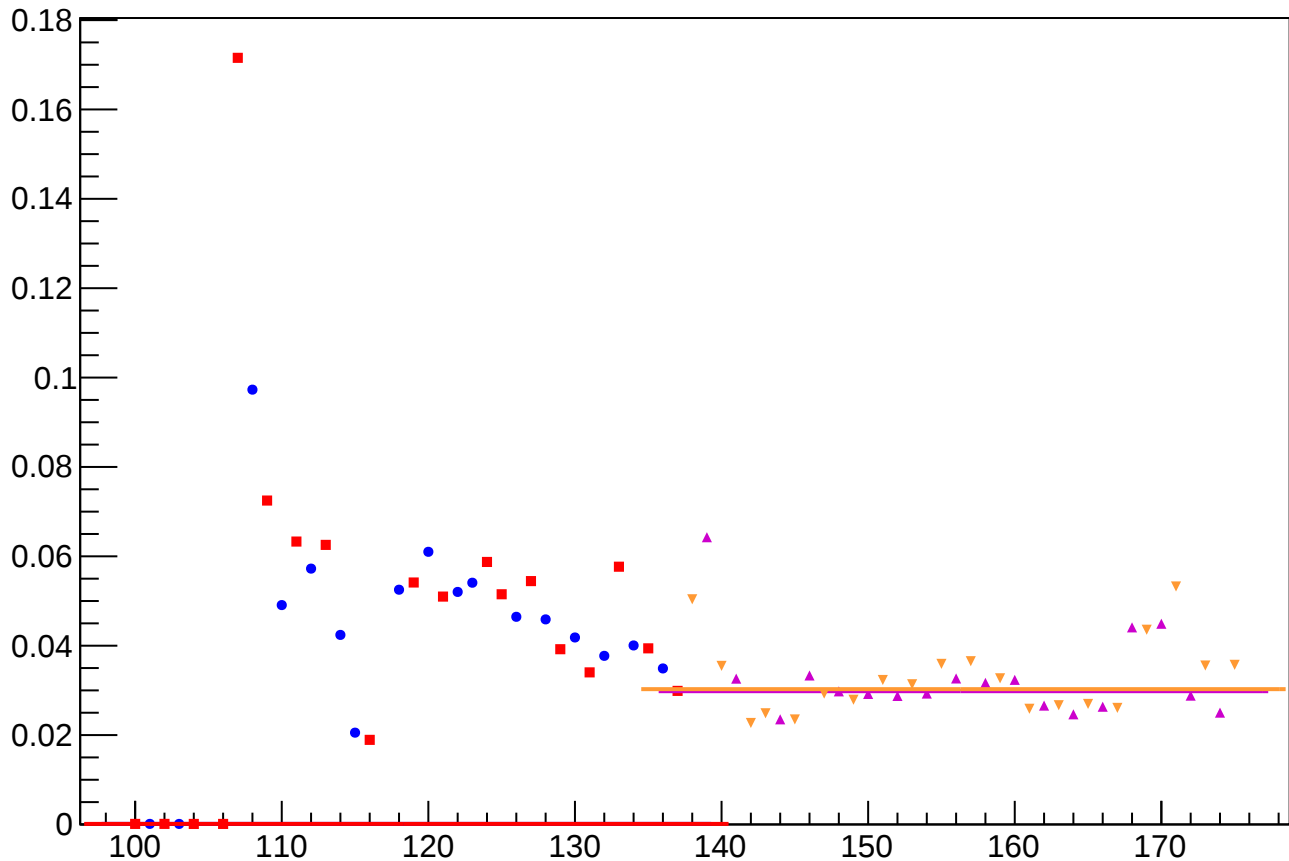
Left In: -0.662 $\pm$ 0.000 χ^2 /NDF: 102177816.5/17

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 793496834910.9/36

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77726648113447

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756482928567592.9/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.030+/-0.000 χ^2/NDF : 1060306.5/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

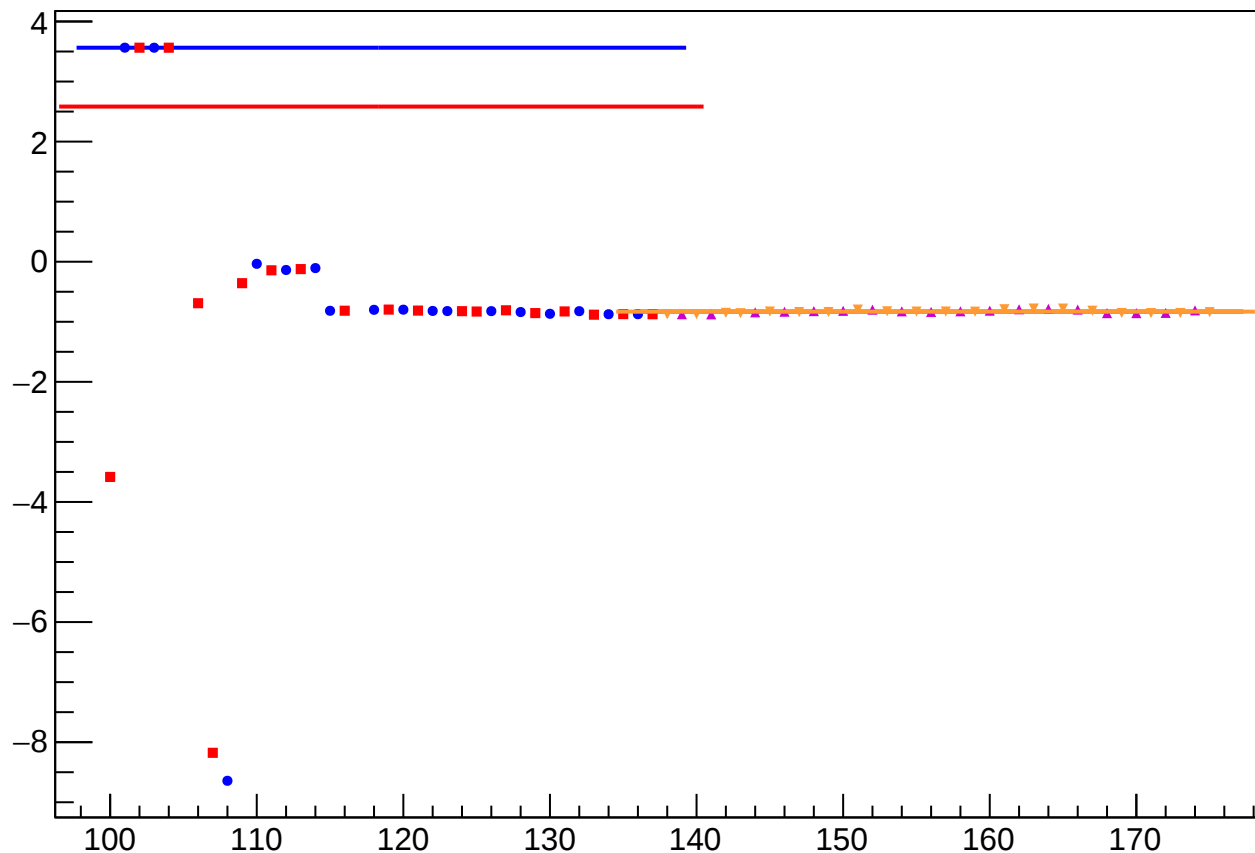
Left In: 0.030+/-0.000 χ^2/NDF : 959359.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 33249913.6/36

All: 0.000+/-0.000 χ^2/NDF : 65323415.6/73

- sign 0.000+/-0.000 χ^2/NDF : 32072935.3/36

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.831+/-0.000 χ^2/NDF : 146225909.3/19

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

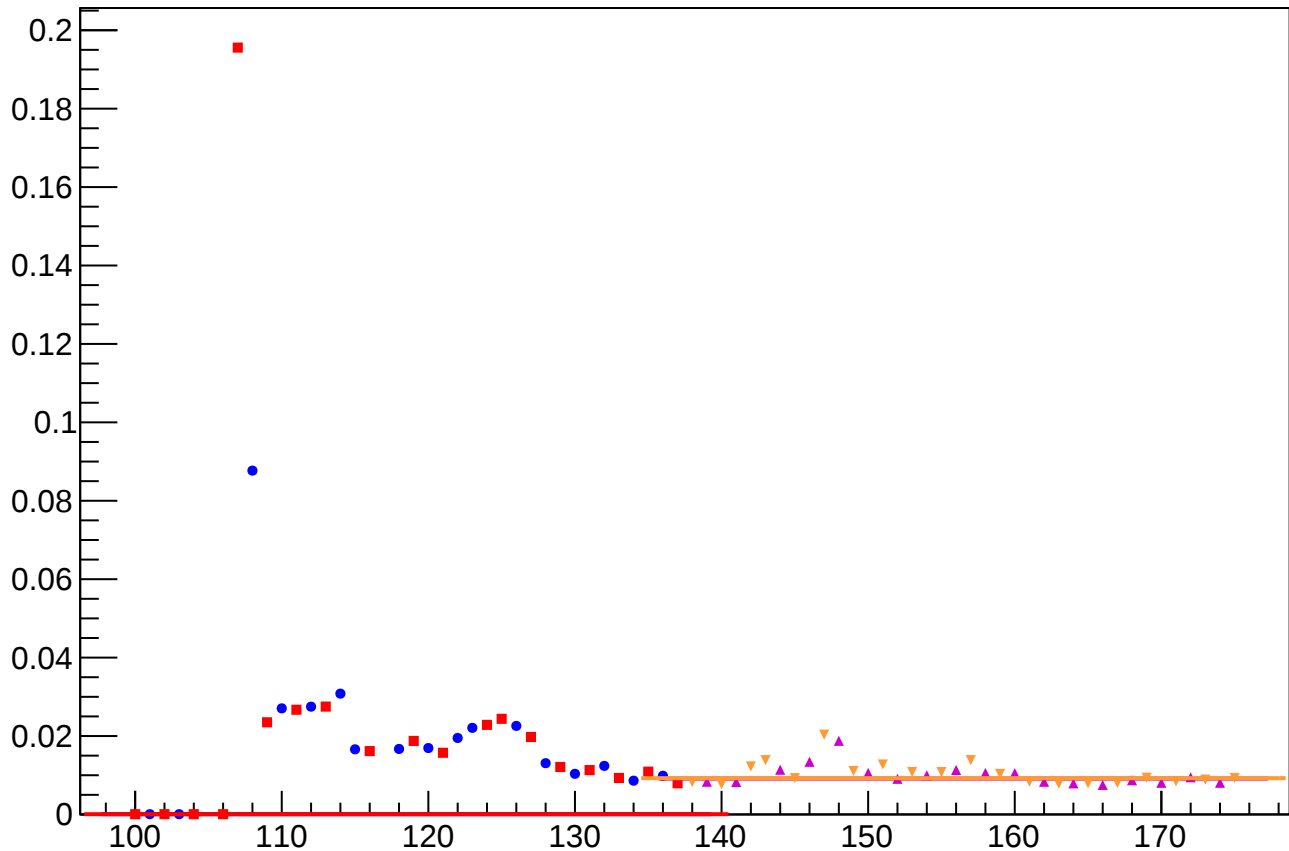
Left In: -0.830+/-0.000 χ^2/NDF : 125974229.3/17

+ sign 3.561+/-0.000 χ^2/NDF : 3254018602034.6/36

All: 3.038+/-0.000 χ^2/NDF : 13864686517172

- sign 2.582+/-0.000 χ^2/NDF : 1255106014021034.2

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 :1080639.3/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

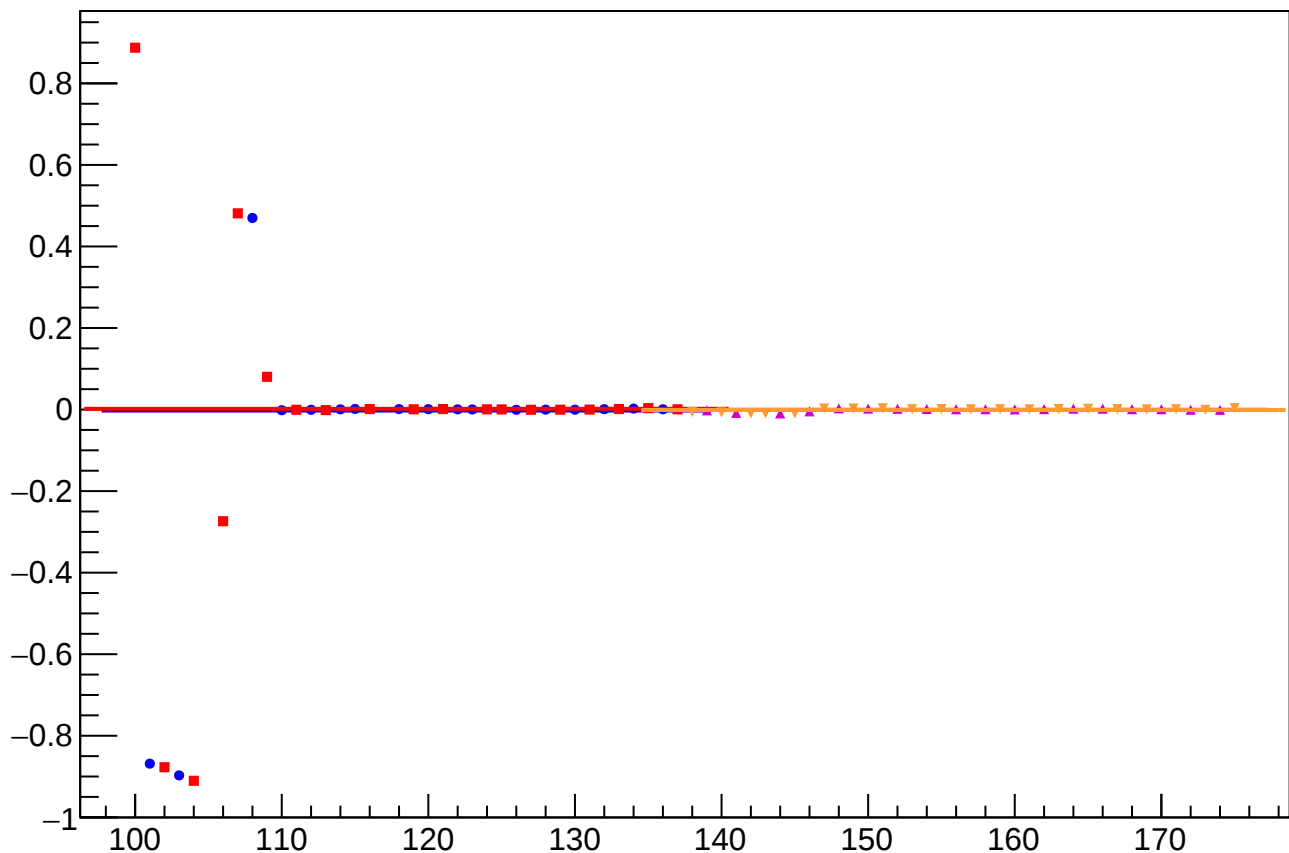
Left In: 0.009+/-0.000 χ^2/NDF :820600.2/17

+ sign 0.000+/-0.000 χ^2/NDF : 35032393.9/36

All: 0.000+/-0.000 χ^2/NDF : 68415853.9/73

- sign 0.000+/-0.000 χ^2/NDF : 33382476.9/36

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.001+/-0.000 χ^2/NDF : 101909079.4/19

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

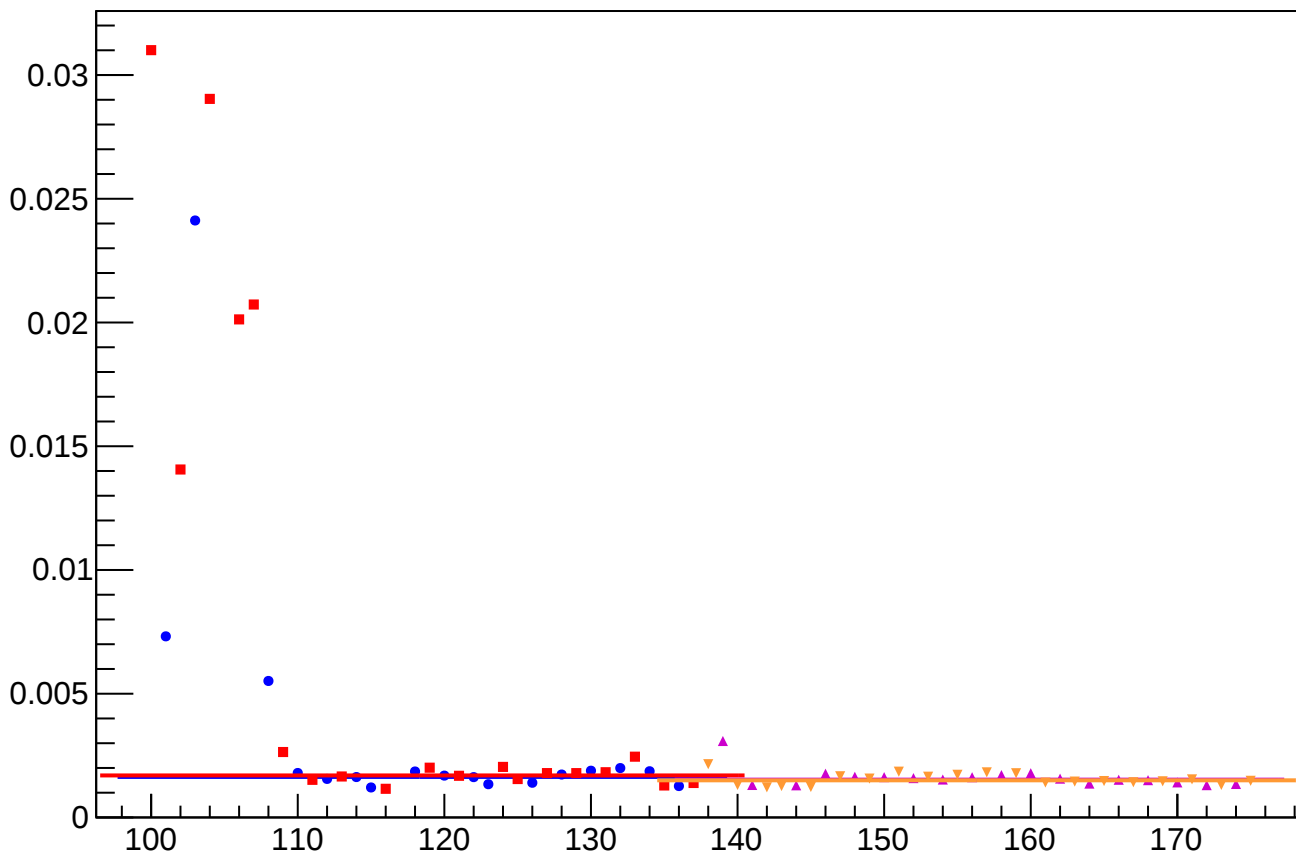
Left In: -0.001+/-0.000 χ^2/NDF : 67353152.1/17

+ sign -0.001+/-0.000 χ^2/NDF : 9898984831.6/36

All: -0.001+/-0.000 χ^2/NDF : 13020710300.5/36

- sign 0.000+/-0.000 χ^2/NDF : 3115598731.1/36

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 455257.8/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

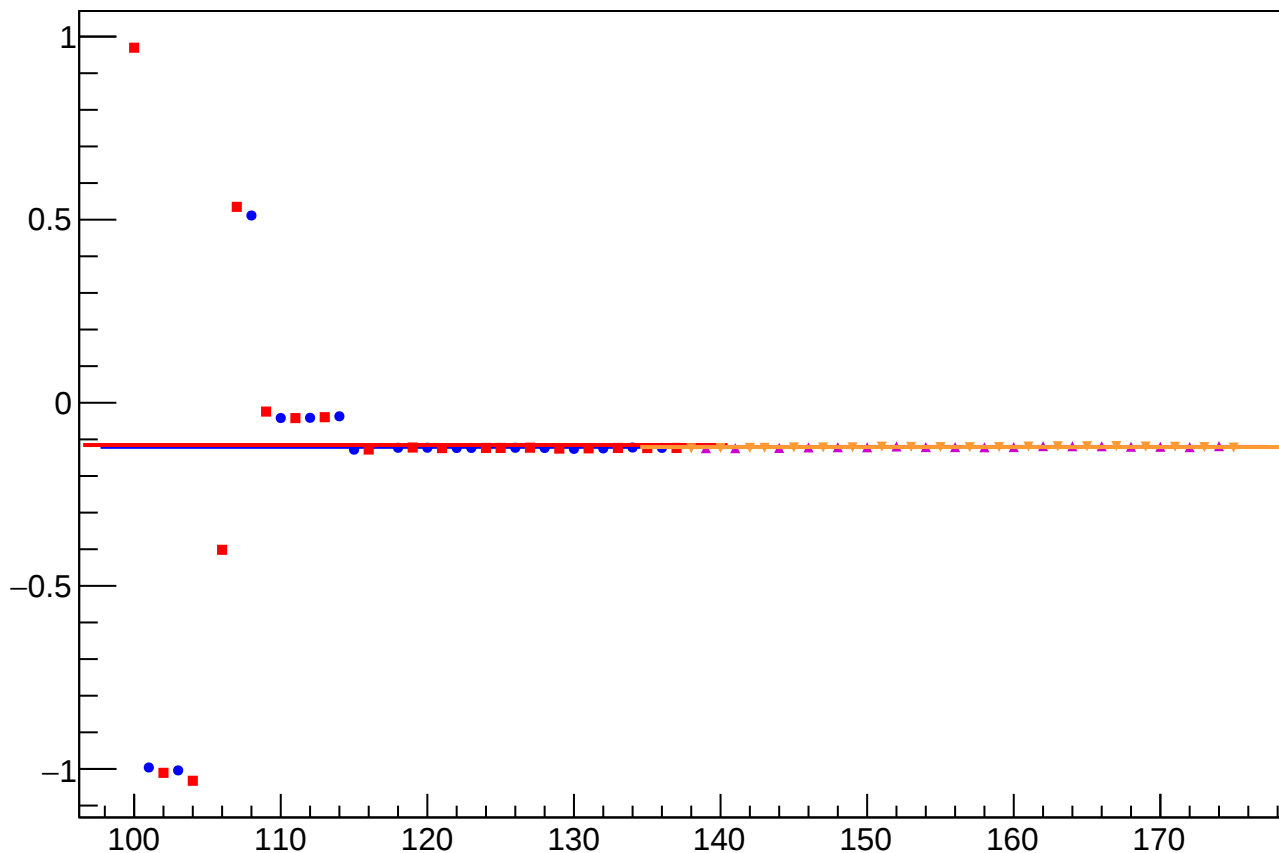
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 603018.0/17

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2419606.4/36

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6122729.0/73

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3694599.6/36

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 : 34204718.5/19

+ sign -0.121+/-0.000 χ^2/NDF : 3966946162.5/36

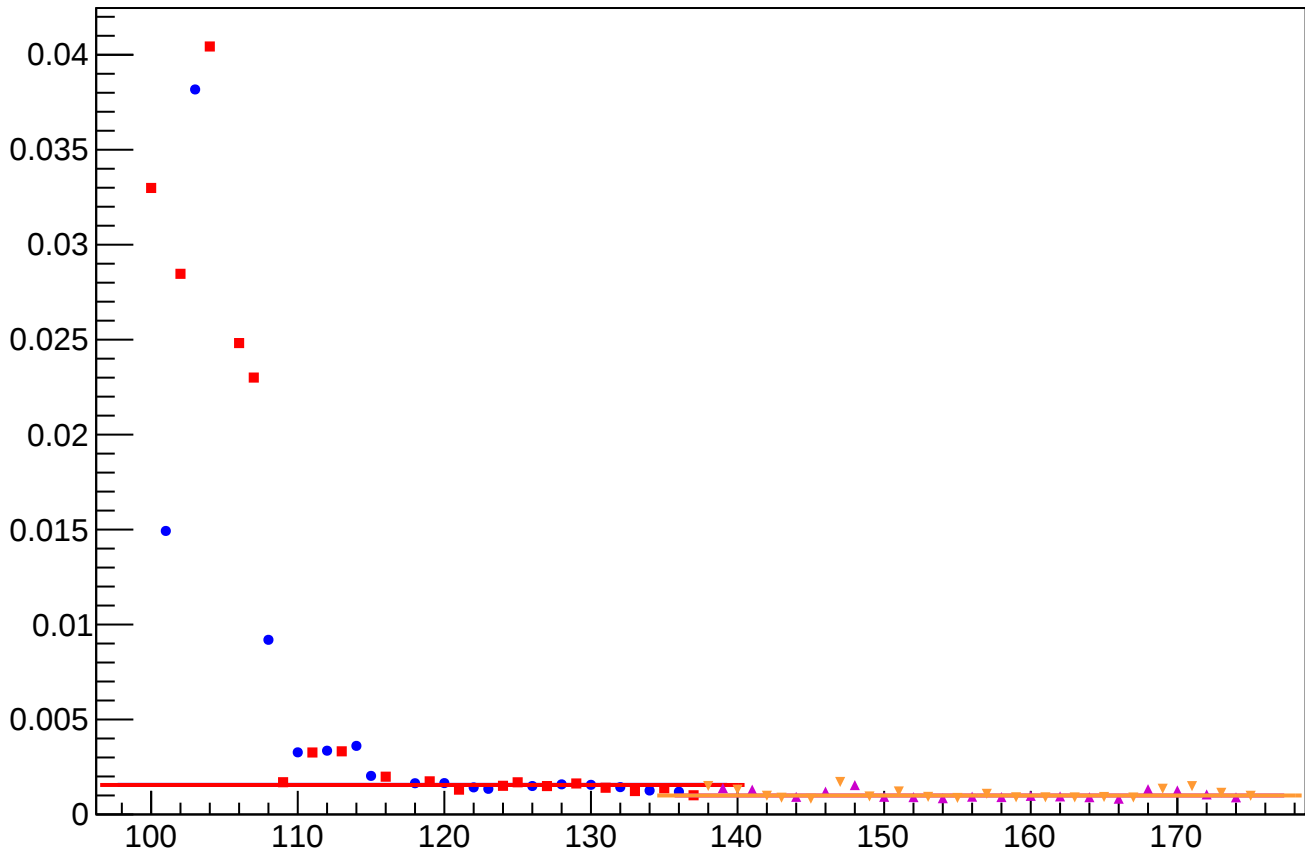
Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

All: -0.120+/-0.000 χ^2/NDF : 6508554675.9/7

- sign -0.120+/-0.000 χ^2/NDF : 2536293858.2/36

Left In: -0.121+/-0.000 χ^2/NDF : 33604493.4/17

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:1034463.2/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

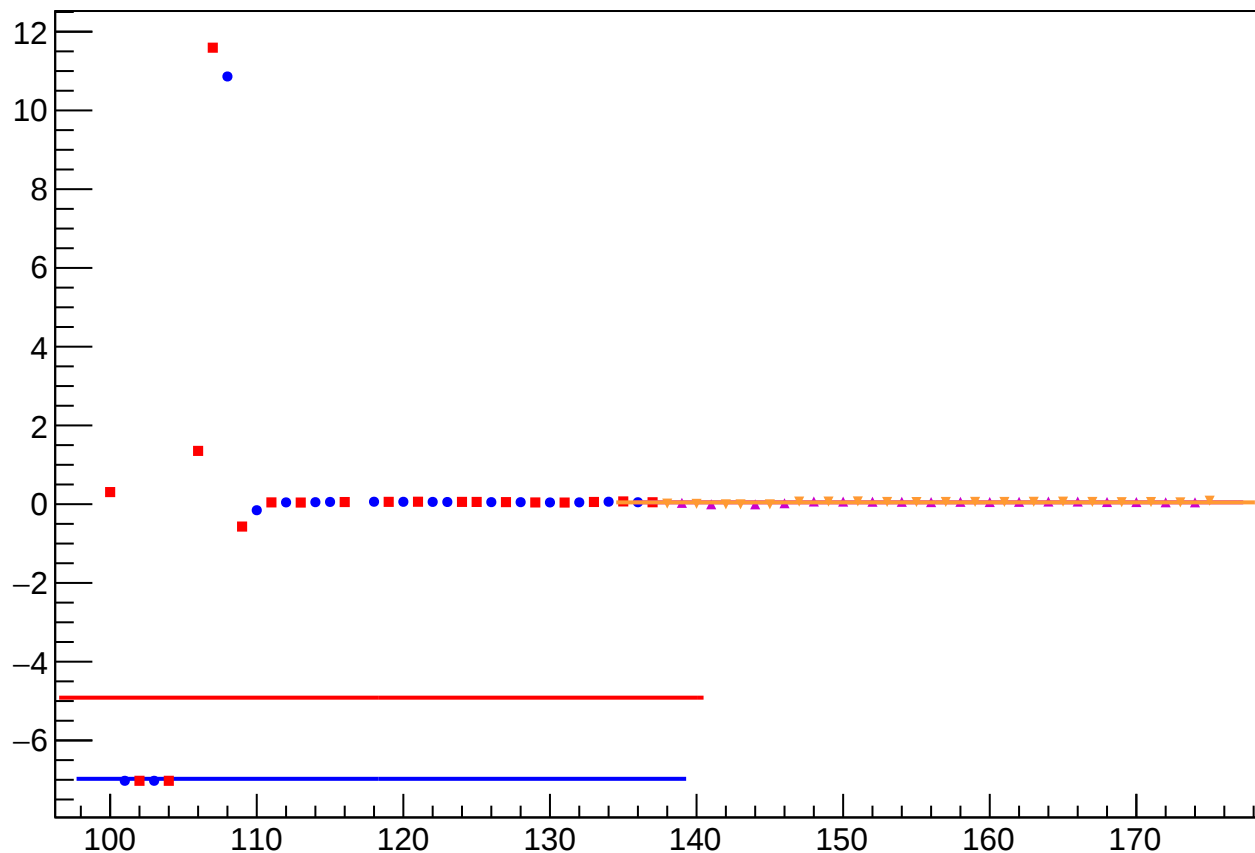
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:753353.9/17

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4965932.3/36

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10272905.4/73

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5306827.3/36

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8749579700722.8/16

Left Out: 0.046+/-0.000 χ^2 /NDF:112657908.1/19

Right Out: -4.914+/-0.000 χ^2 /NDF: 365358092730279.9/18

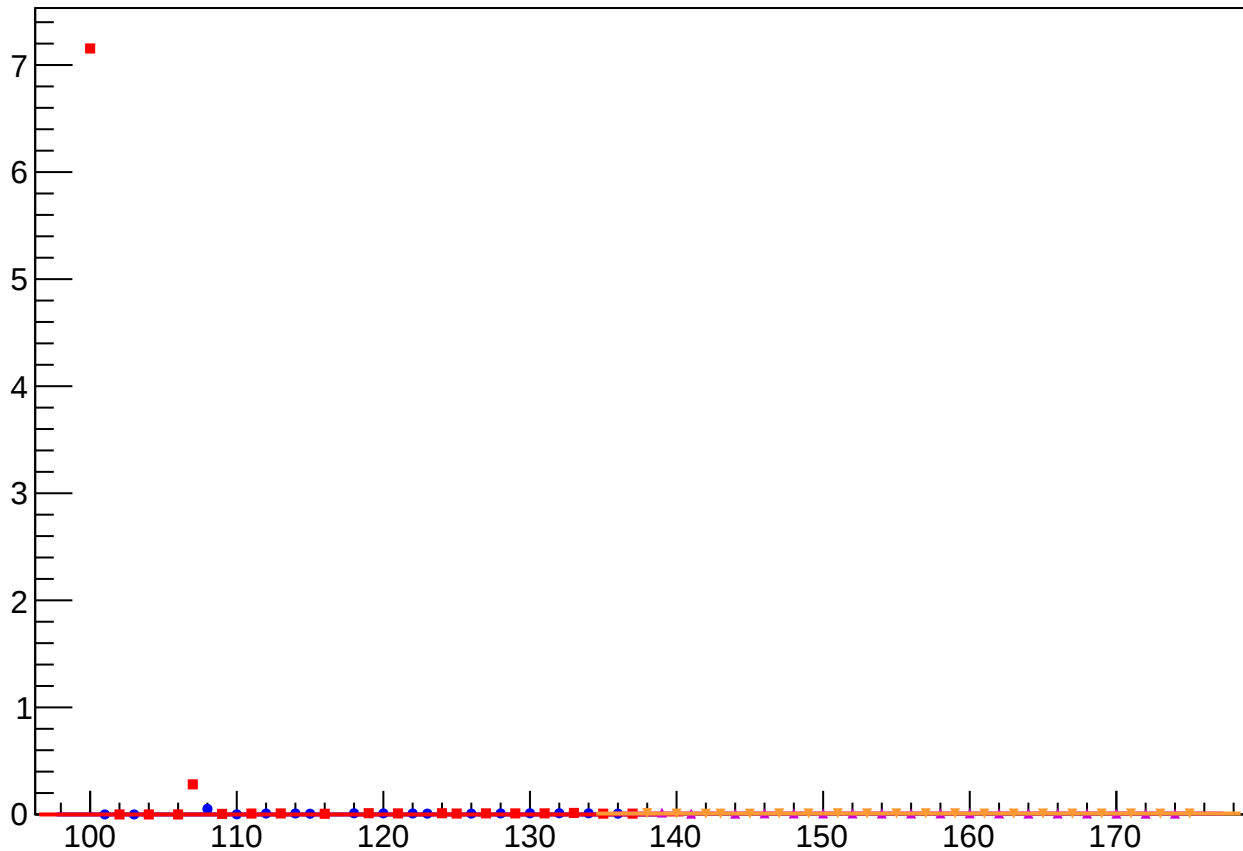
Left In: 0.047+/-0.000 χ^2 /NDF:74641248.0/17

+ sign -6.933+/-0.000 χ^2 /NDF: 16298982074094.2/16

All: -5.867+/-0.000 χ^2 /NDF: 4406247634876

- sign -4.889+/-0.000 χ^2 /NDF: 368769759000575.8

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 : 453164.1/19

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

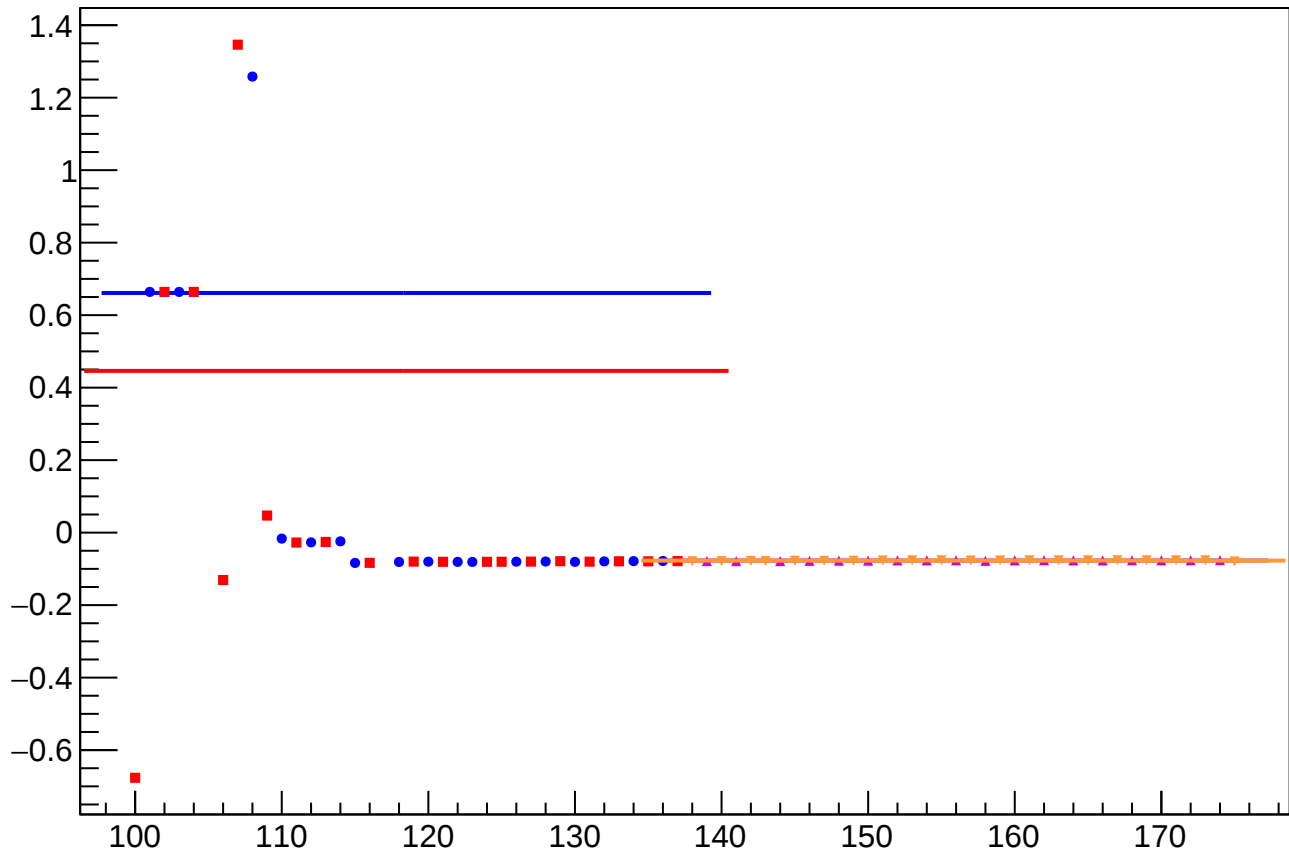
Left In: 0.009+/-0.000 χ^2/NDF : 607499.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 31770120.6/36

All: 0.000+/-0.000 χ^2/NDF : 62746417.0/73

- sign 0.000+/-0.000 χ^2/NDF : 30972786.7/36

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5607525081216.0/16

Left Out: -0.077 $\pm$ 0.000 χ^2 /NDF: 51014230.7/19

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405416924315199.0/18

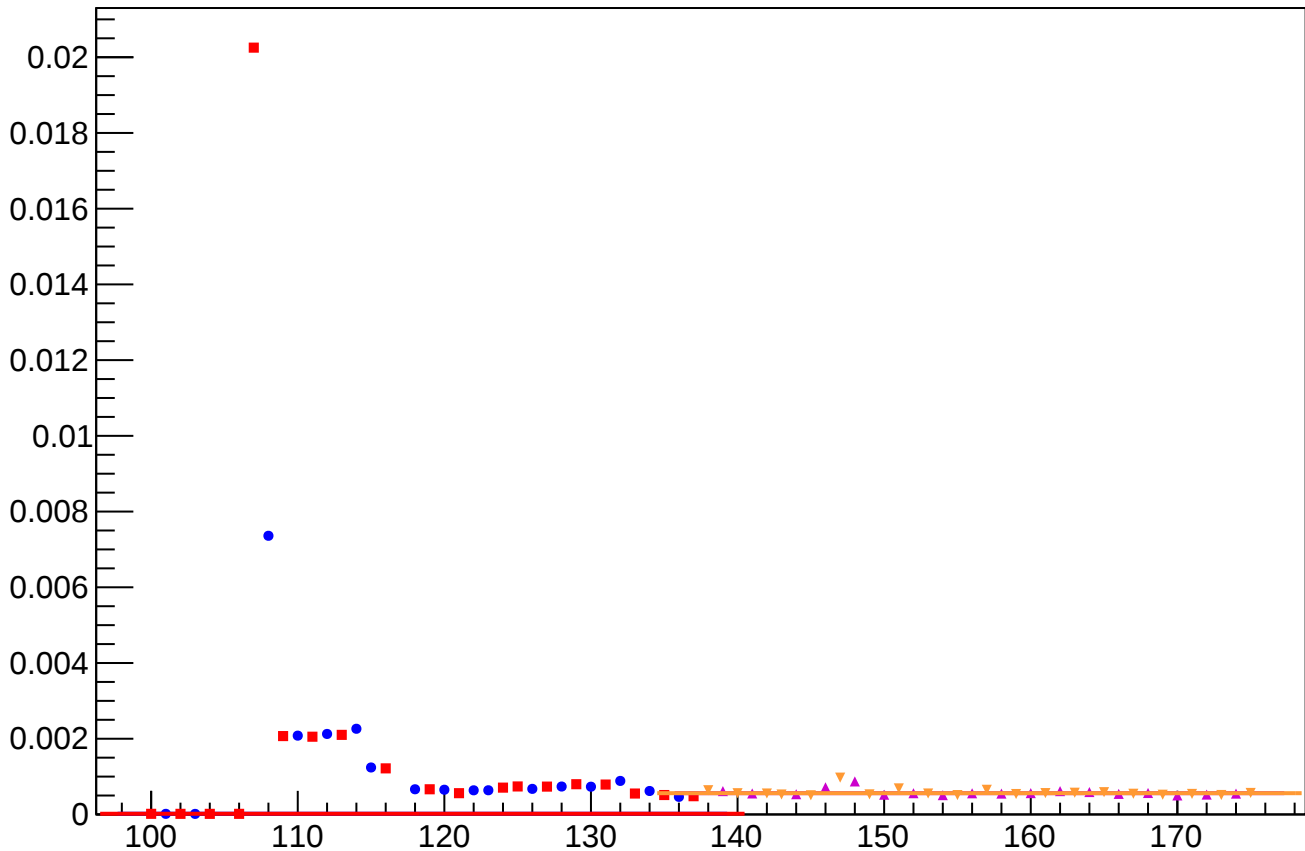
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 26996707.1/17

+ sign 0.649 $\pm$ 0.000 χ^2 /NDF: 29901313402493.9/3

All: 0.539 $\pm$ 0.000 χ^2 /NDF: 50773055152243

- sign 0.439 $\pm$ 0.000 χ^2 /NDF: 416821020463700.5/

yield_cav4dY_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9874012.7/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:439819.5/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 9480848.1/18

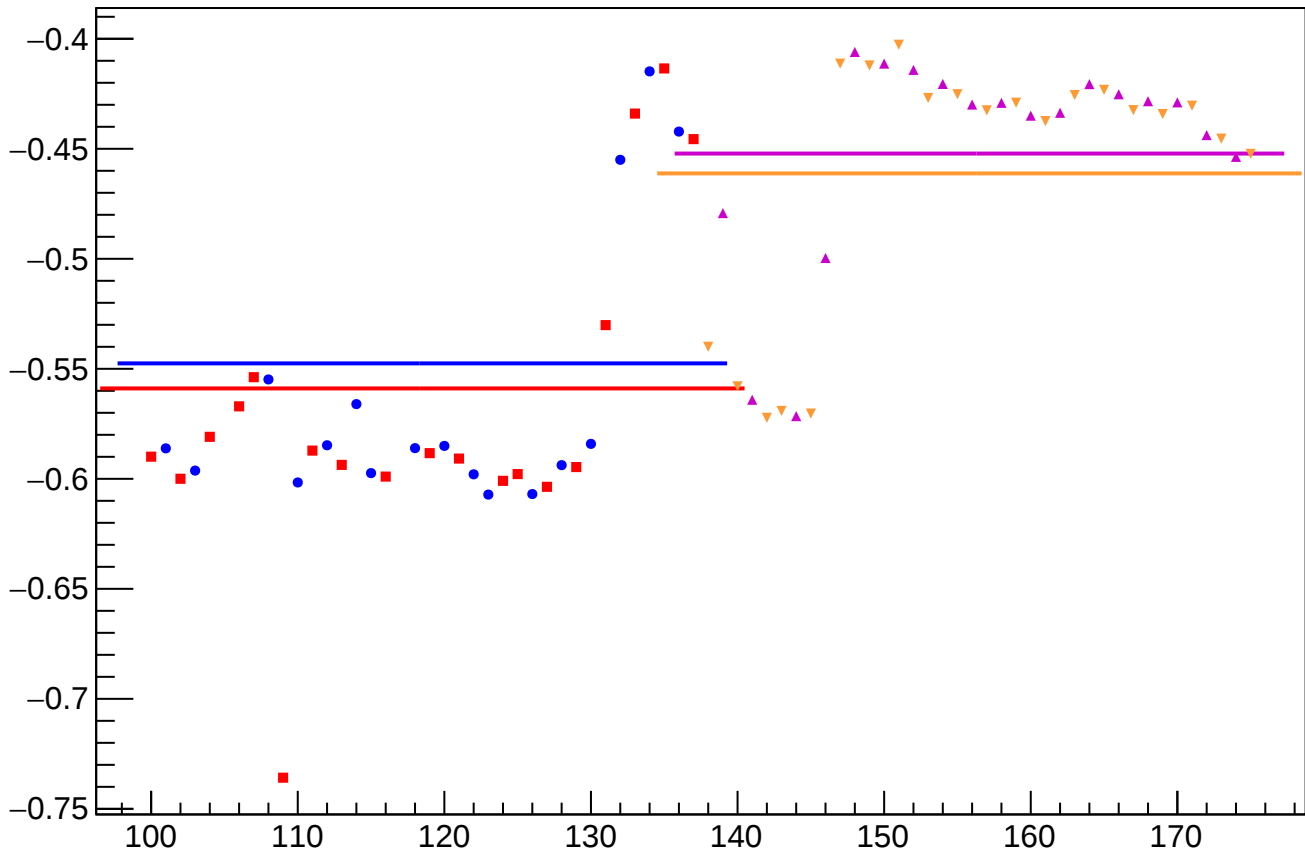
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:352386.3/17

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 36633857.0/36

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 71189725.6/73

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34550498.1/36

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.461+/-0.000 χ^2/NDF : 106695279.8/19

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

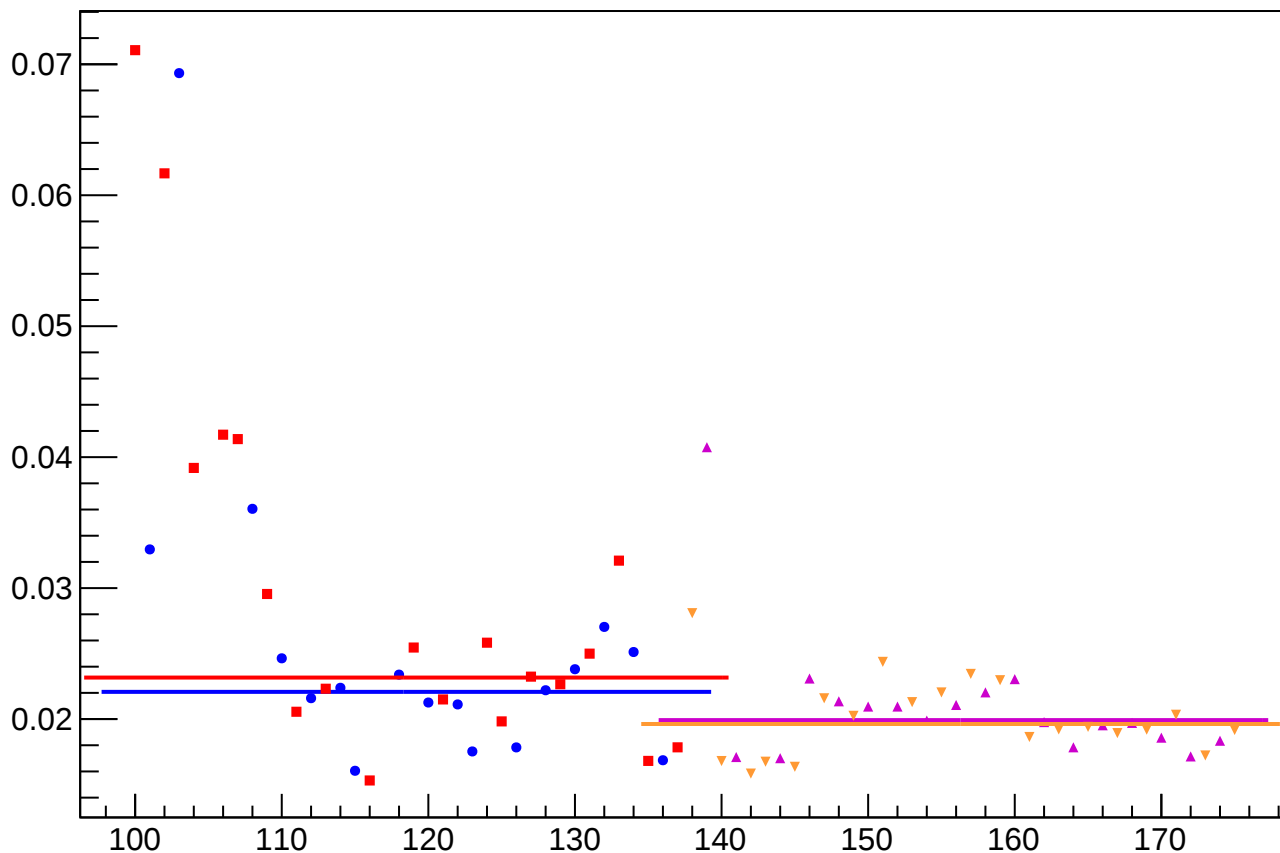
Left In: -0.452+/-0.000 χ^2/NDF : 75253764.8/17

+ sign -0.483+/-0.000 χ^2/NDF : 213215435.0/36

All: -0.481+/-0.000 χ^2/NDF : 437663715.4/73

- sign -0.480+/-0.000 χ^2/NDF : 224287682.9/36

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020 ± 0.000 χ^2/NDF : 424890.8/19

Right Out: 0.023 ± 0.000 χ^2/NDF : 1156758.3/18

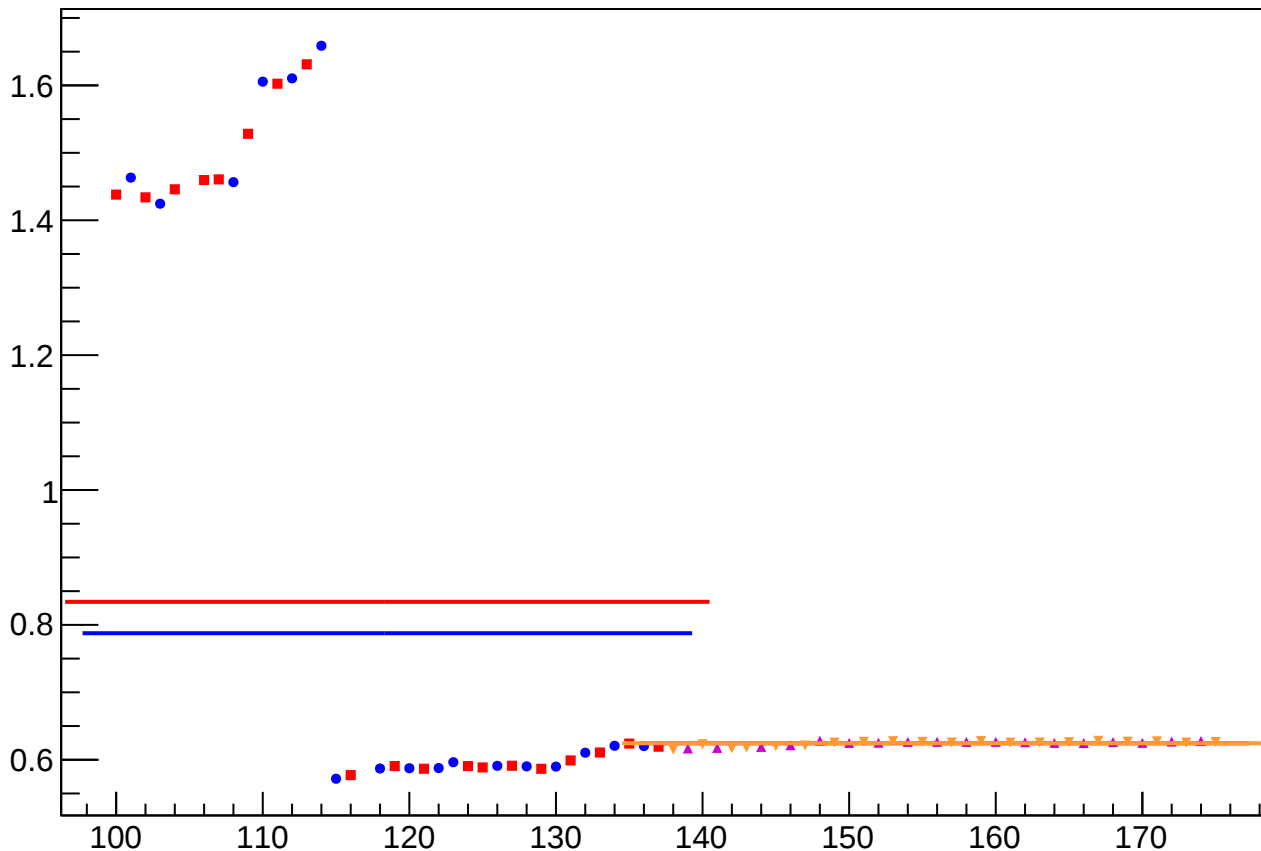
Left In: 0.020 ± 0.000 χ^2/NDF : 583158.3/17

+ sign 0.020 ± 0.000 χ^2/NDF : 1473339.4/36

All: 0.020 ± 0.000 χ^2/NDF : 3379421.3/73

- sign 0.021 ± 0.000 χ^2/NDF : 1894946.6/36

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.624 $\pm$ 0.000 χ^2 /NDF:1258088.1/19

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

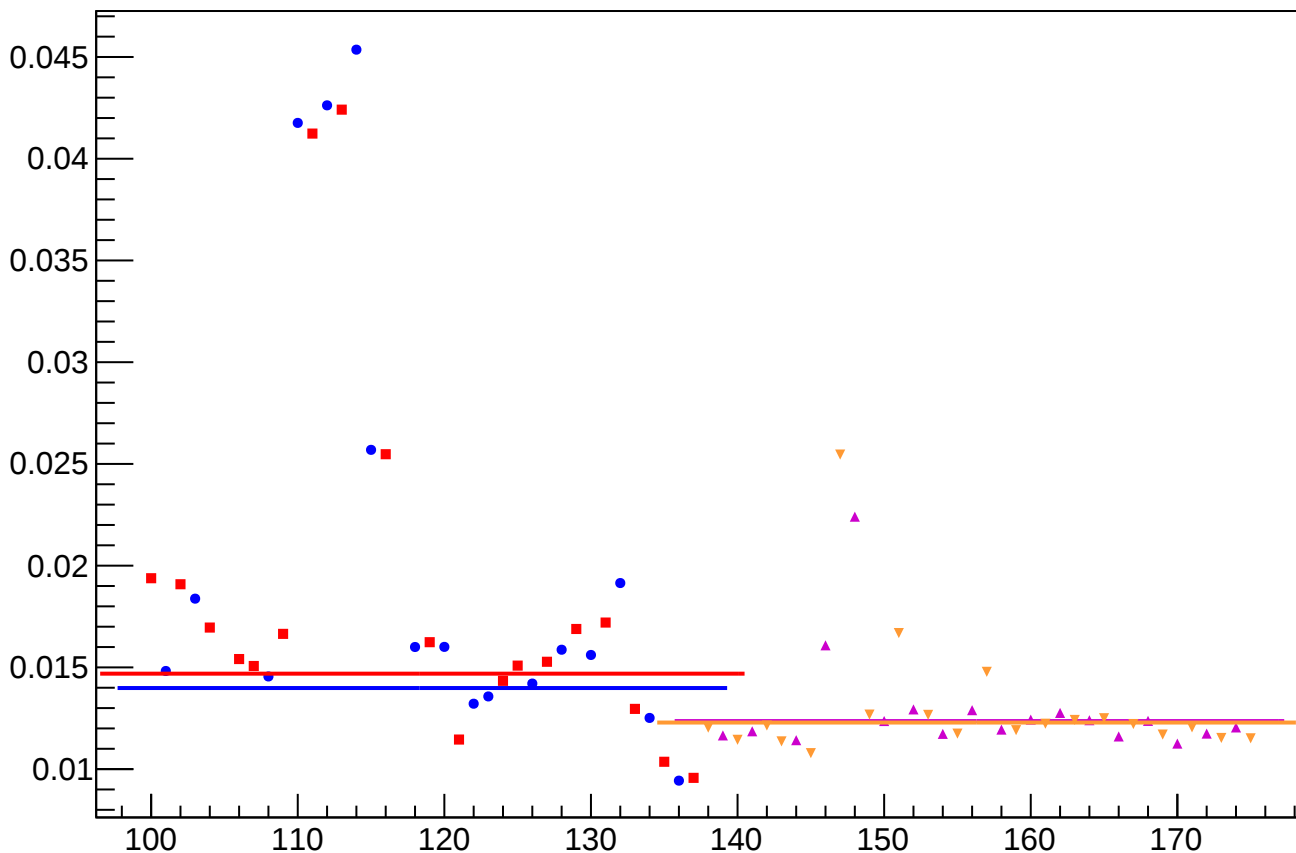
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:1026526.9/17

+ sign 0.662 $\pm$ 0.000 χ^2 /NDF: 4169926249.7/36

All: 0.668 $\pm$ 0.000 χ^2 /NDF: 9263503040.0/73

- sign 0.675 $\pm$ 0.000 χ^2 /NDF: 5084423610.2/36

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 : 612552.6/19

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1258511.3/18

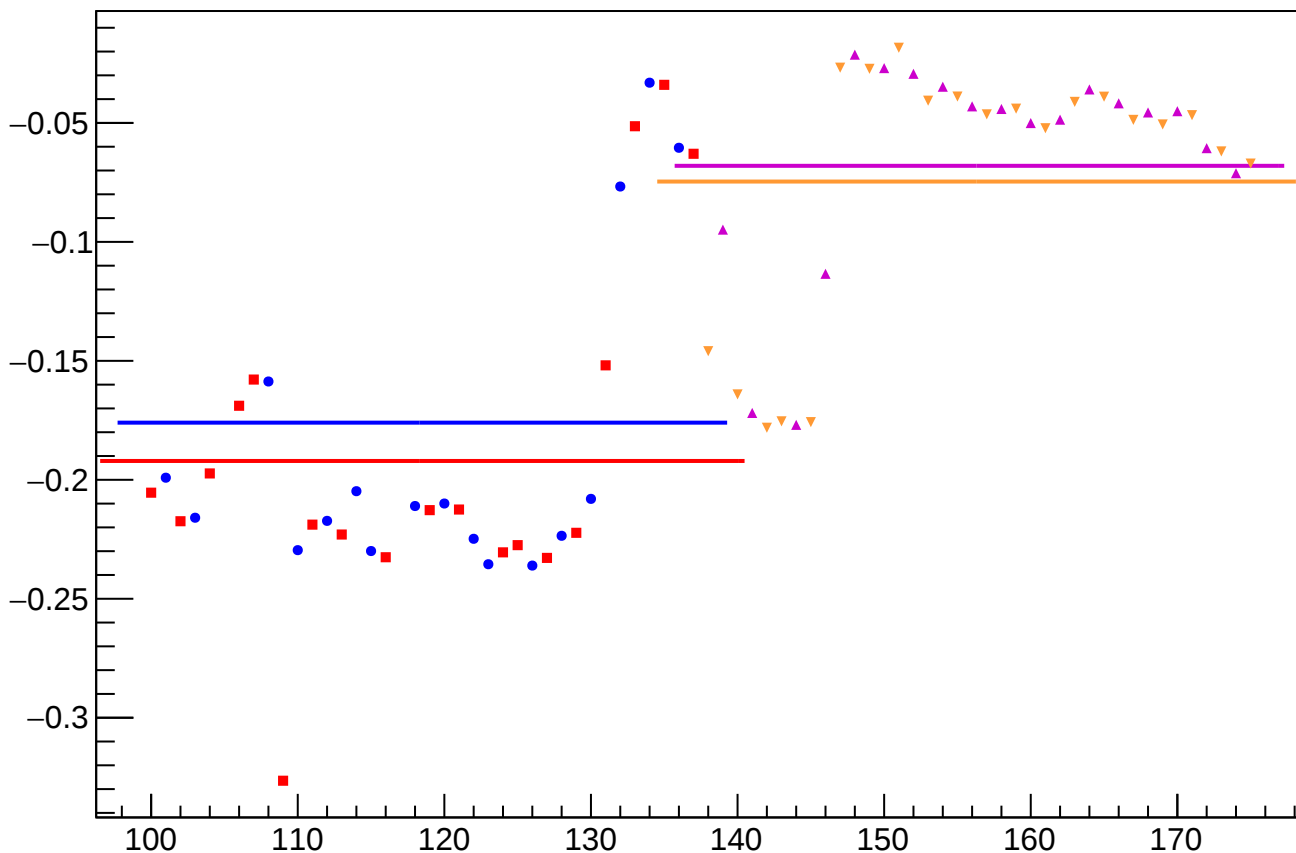
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 441548.1/17

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2137954.7/36

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4074487.2/73

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 1929807.5/36

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.075+/-0.000 χ^2/NDF : 101496890.9/19

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

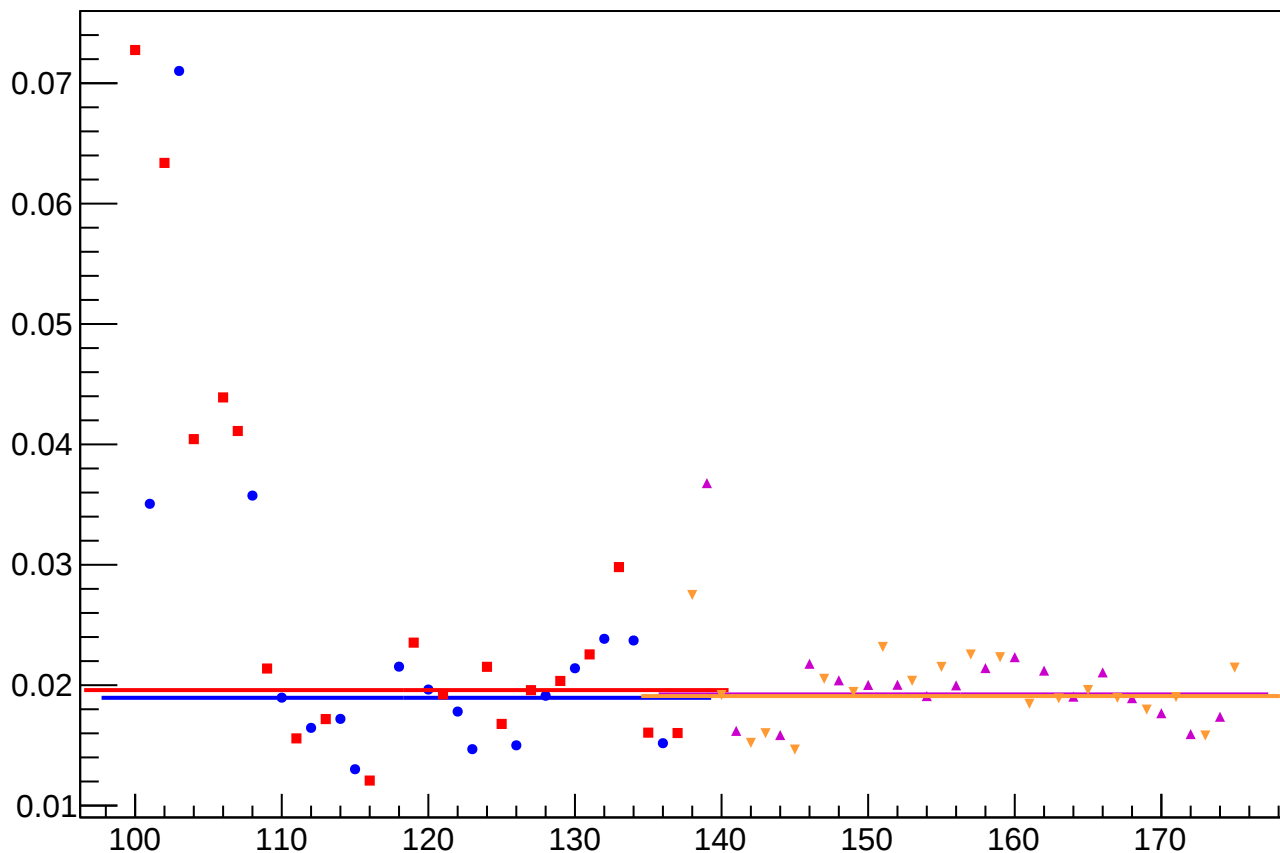
Left In: -0.068+/-0.000 χ^2/NDF : 75637933.7/17

+ sign -0.104+/-0.000 χ^2/NDF : 271805617.9/36

All: -0.105+/-0.000 χ^2/NDF : 575111593.6/73

- sign -0.106+/-0.000 χ^2/NDF : 303240207.4/36

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 : 495136.4/19

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

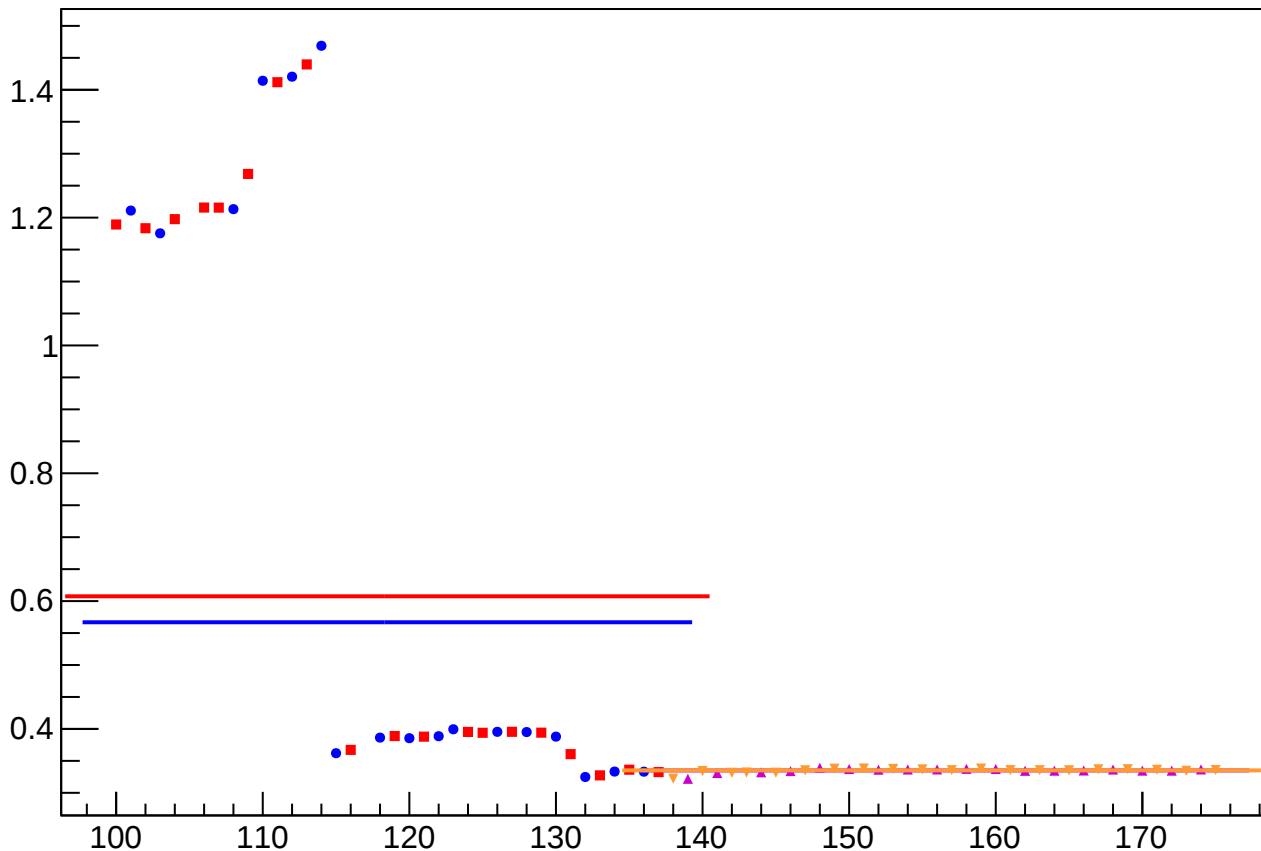
Left In: 0.019+/-0.000 χ^2/NDF : 588294.2/17

+ sign 0.019+/-0.000 χ^2/NDF : 1698814.4/36

All: 0.019+/-0.000 χ^2/NDF : 3748669.6/73

- sign 0.019+/-0.000 χ^2/NDF : 2046025.6/36

yield_bpm4eY_mean vs Slug



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.335+/-0.000 χ^2/NDF :1135647.2/19

Right Out: 0.607+/-0.000 χ^2/NDF : 5505226431.3/18

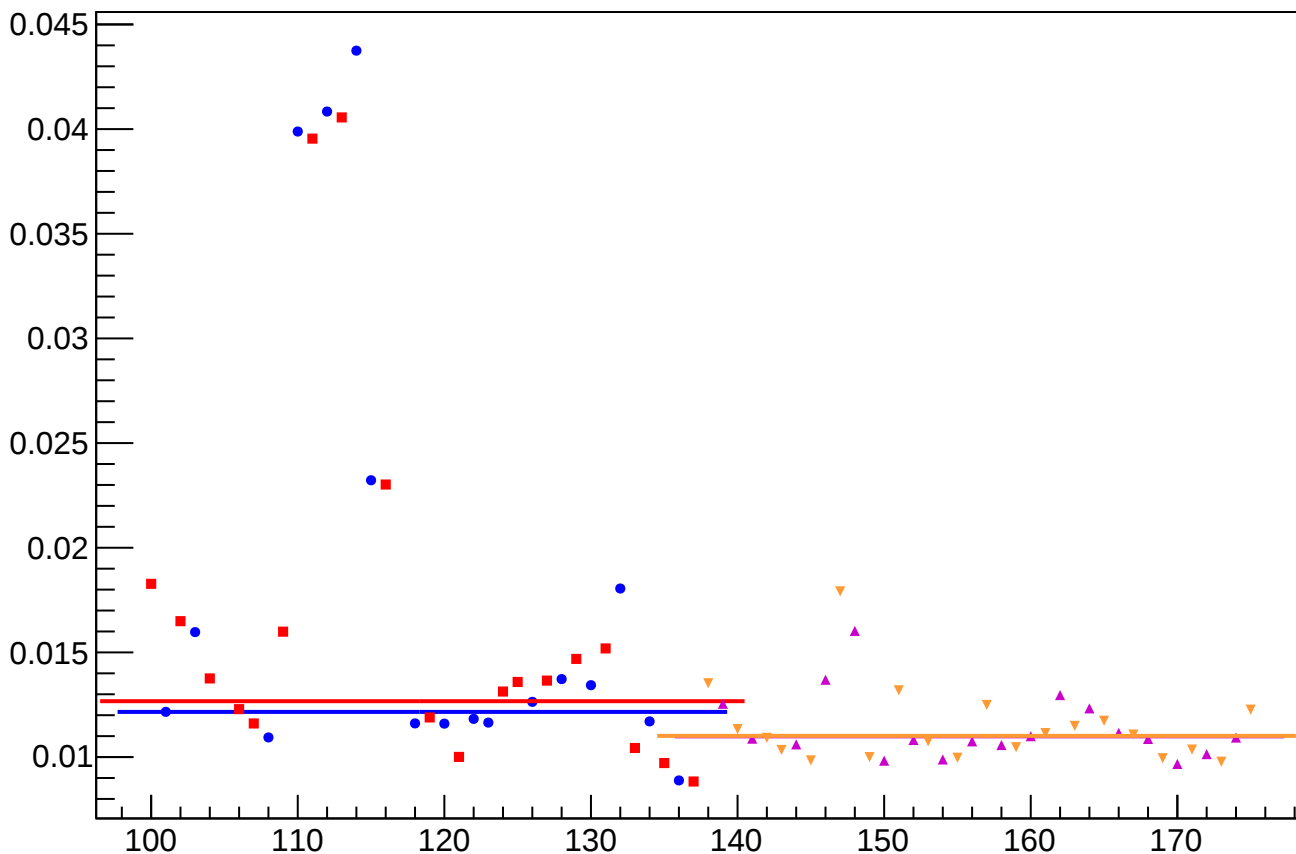
Left In: 0.335+/-0.000 χ^2/NDF :1187789.6/17

+ sign 0.391+/-0.000 χ^2/NDF : 6558531451.1/36

All: 0.397+/-0.000 χ^2/NDF : 14119478504.3/7

- sign 0.403+/-0.000 χ^2/NDF : 7551329399.6/36

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:468663.1/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

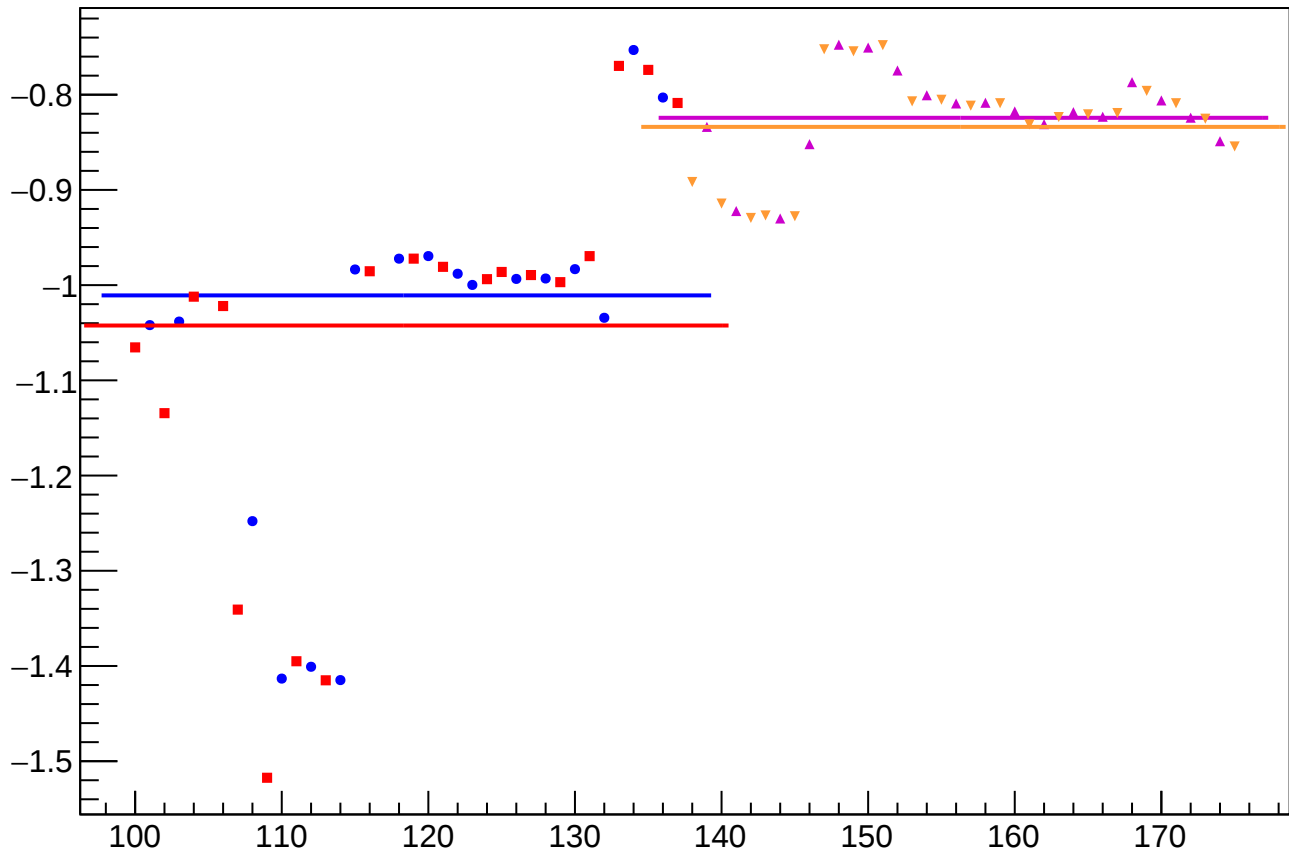
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:368385.6/17

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1851784.7/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3644871.9/73

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1791050.6/36

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.834+/-0.000 χ^2/NDF : 98622685.0/19

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

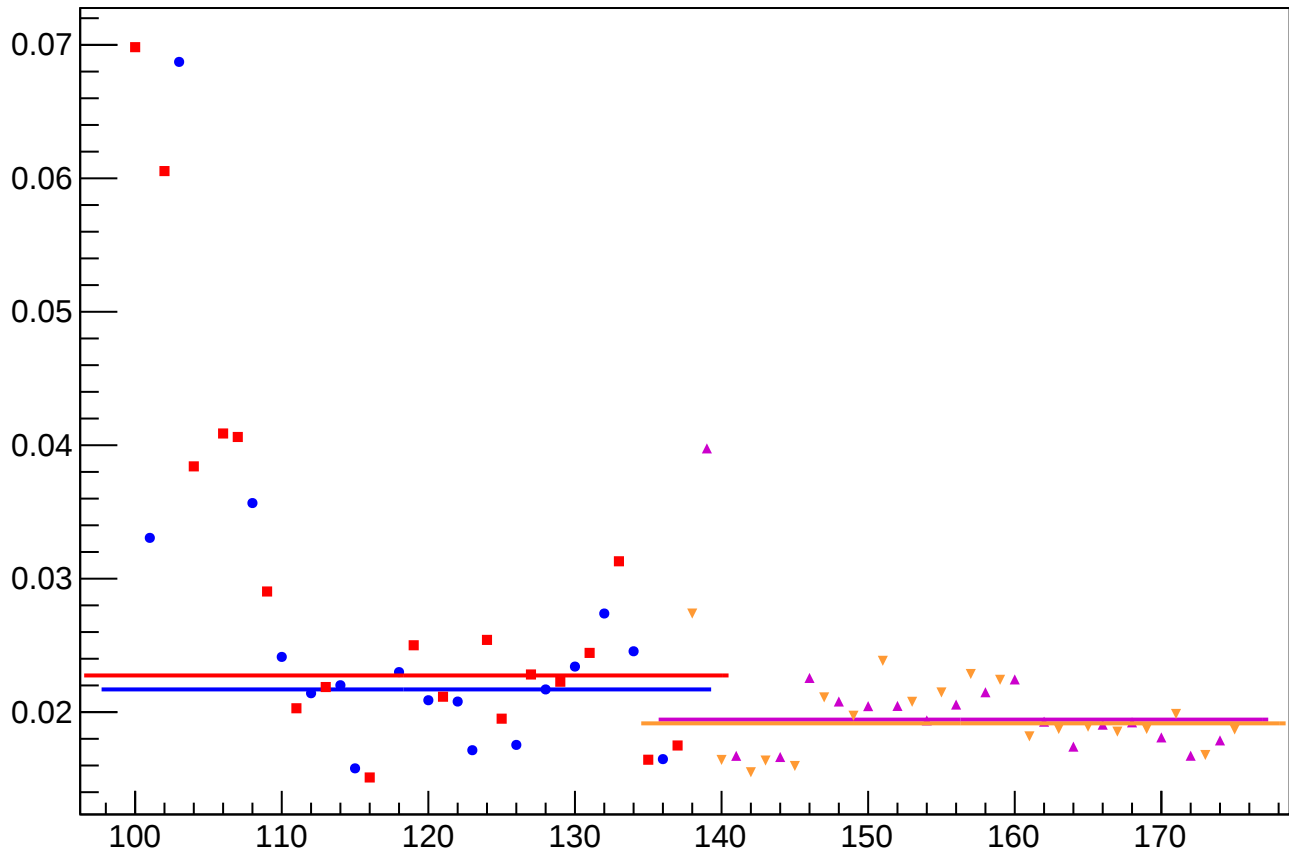
Left In: -0.824+/-0.000 χ^2/NDF : 74977943.9/17

+ sign -0.877+/-0.000 χ^2/NDF : 738365779.4/36

All: -0.879+/-0.000 χ^2/NDF : 1705629103.6/7

- sign -0.880+/-0.000 χ^2/NDF : 967092014.0/36

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 979293.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:423478.3/19

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152332.6/18

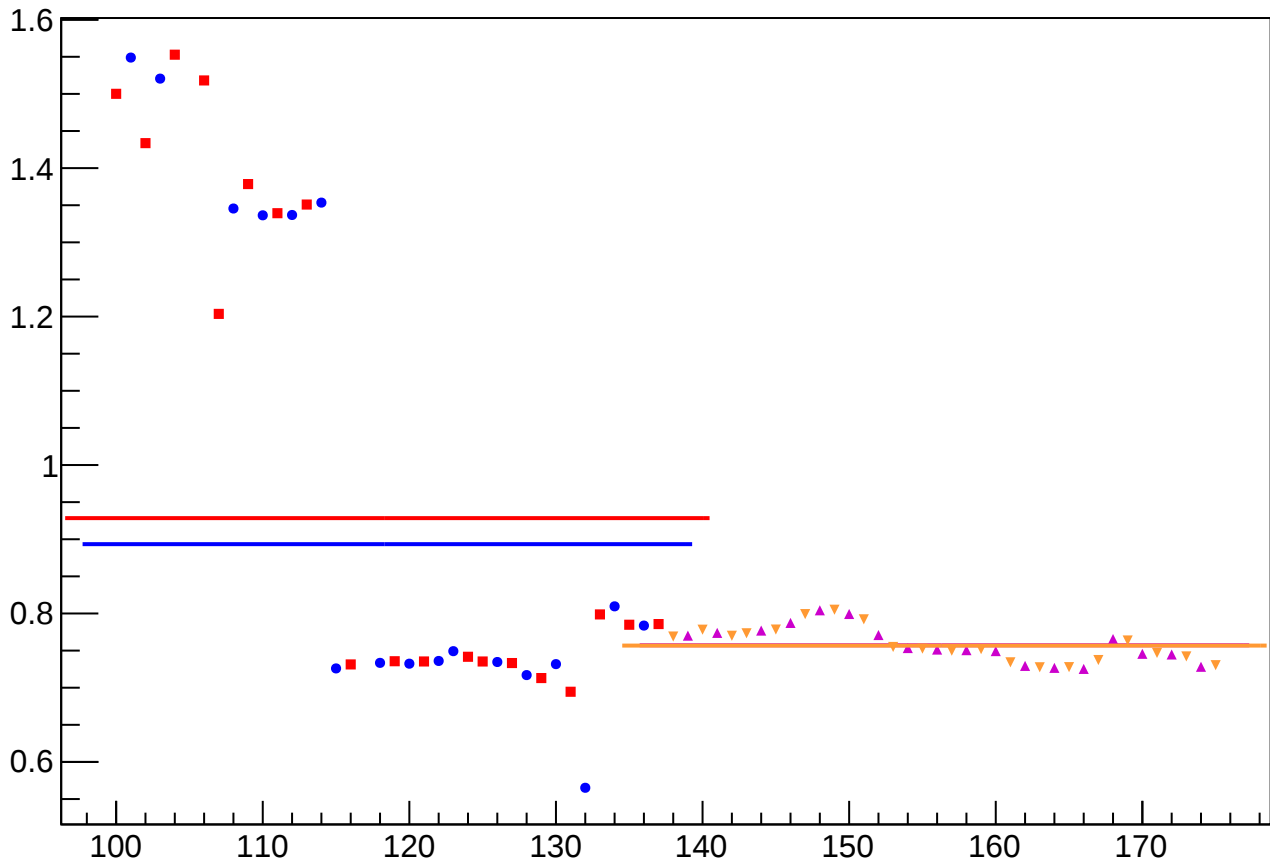
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:580836.2/17

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1507156.0/36

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3418009.9/73

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1900248.5/36

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.757+/-0.000 χ^2/NDF : 43553940.8/19

Right Out: 0.928+/-0.000 χ^2/NDF : 2435640156.0/18

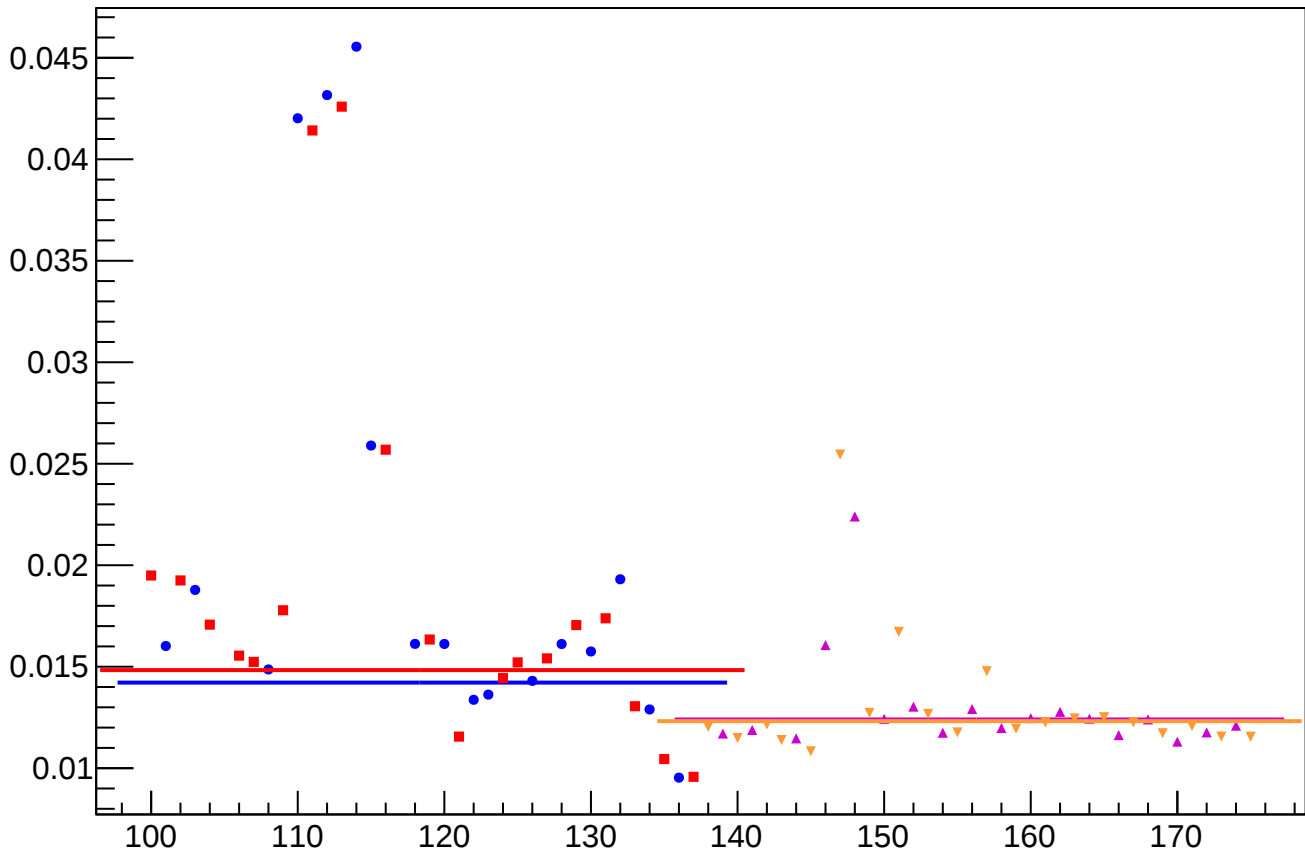
Left In: 0.757+/-0.000 χ^2/NDF : 39986122.0/17

+ sign 0.788+/-0.000 χ^2/NDF : 2850977661.3/36

All: 0.793+/-0.000 χ^2/NDF : 5941486266.5/73

- sign 0.798+/-0.000 χ^2/NDF : 3084474973.4/36

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:607777.6/19

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1269559.2/18

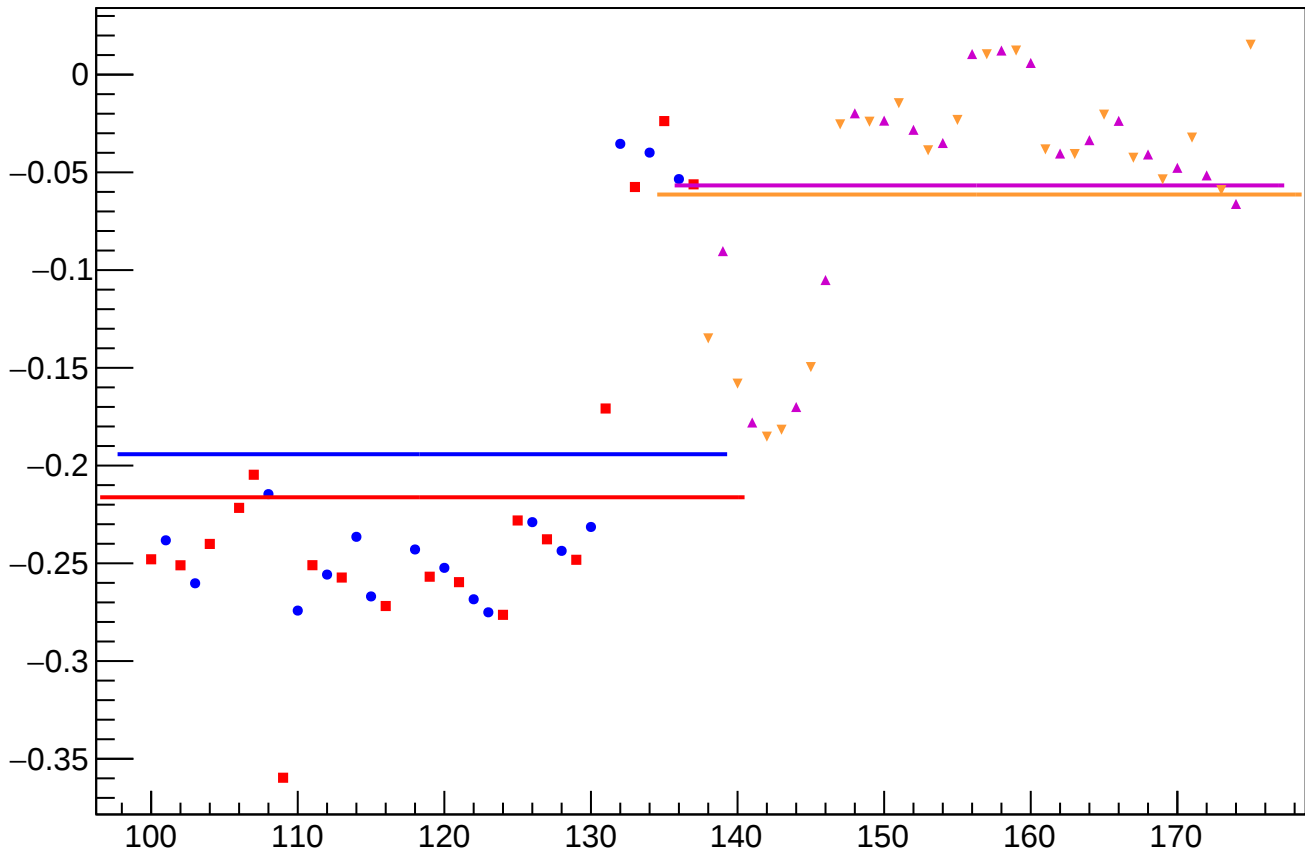
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:436896.4/17

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2171867.4/36

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4130049.8/73

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1951980.1/36

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.061+/-0.000 χ^2/NDF : 126441670.9/19

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

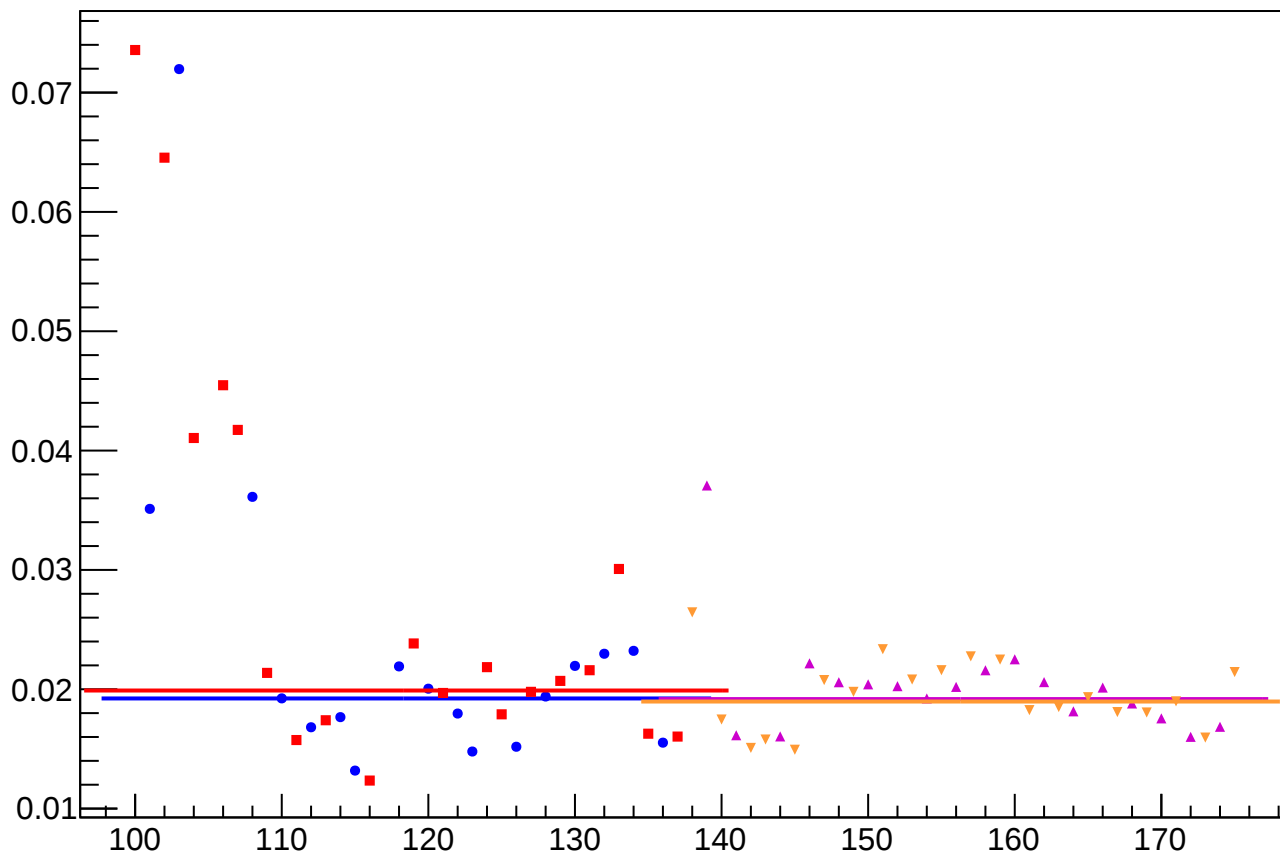
Left In: -0.057+/-0.000 χ^2/NDF : 97732020.6/17

+ sign -0.099+/-0.000 χ^2/NDF : 403931337.8/36

All: -0.102+/-0.000 χ^2/NDF : 846631142.7/73

- sign -0.104+/-0.000 χ^2/NDF : 442110789.3/36

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: 492316.6/19

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1444442.2/18

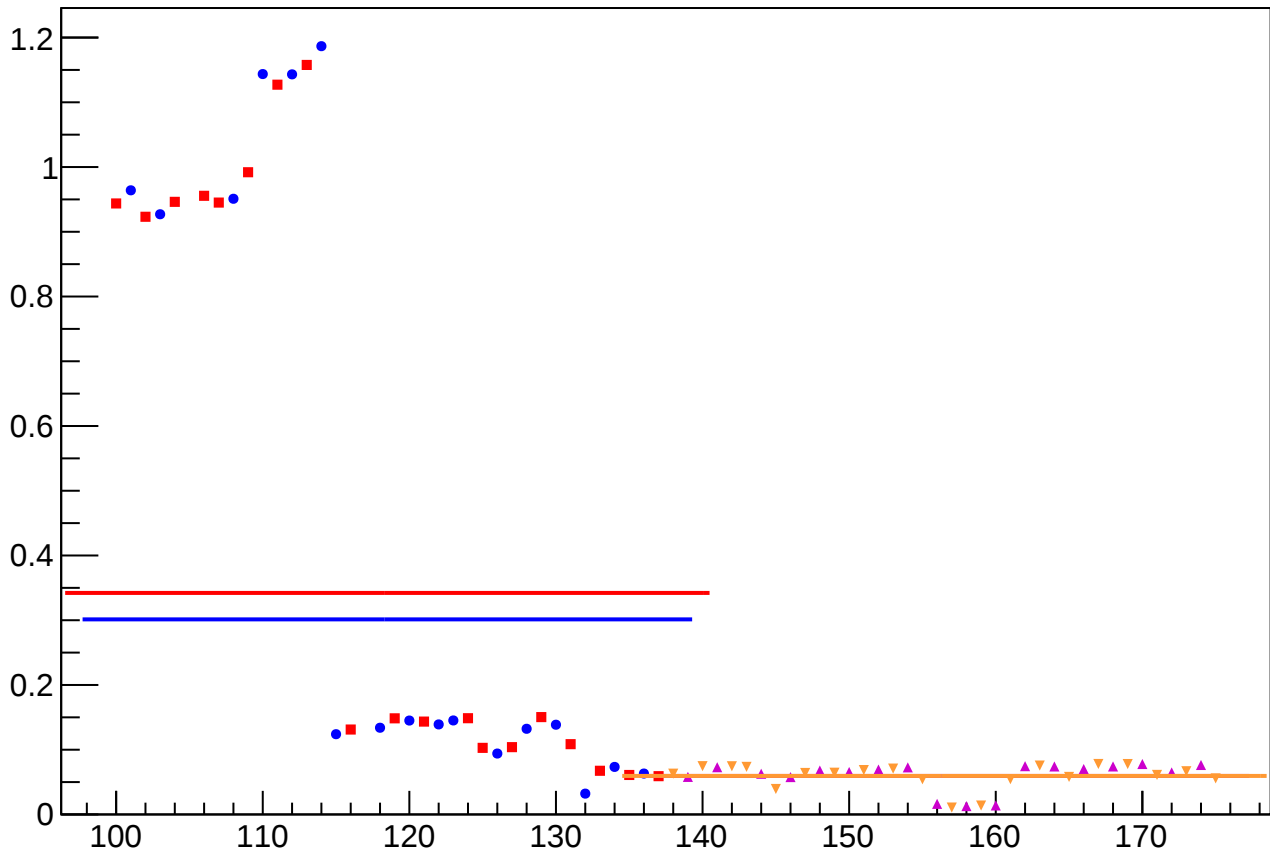
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 607300.8/17

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1668162.7/36

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3734787.0/73

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2061213.8/36

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.060+/-0.000 χ^2/NDF : 44001543.3/19

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

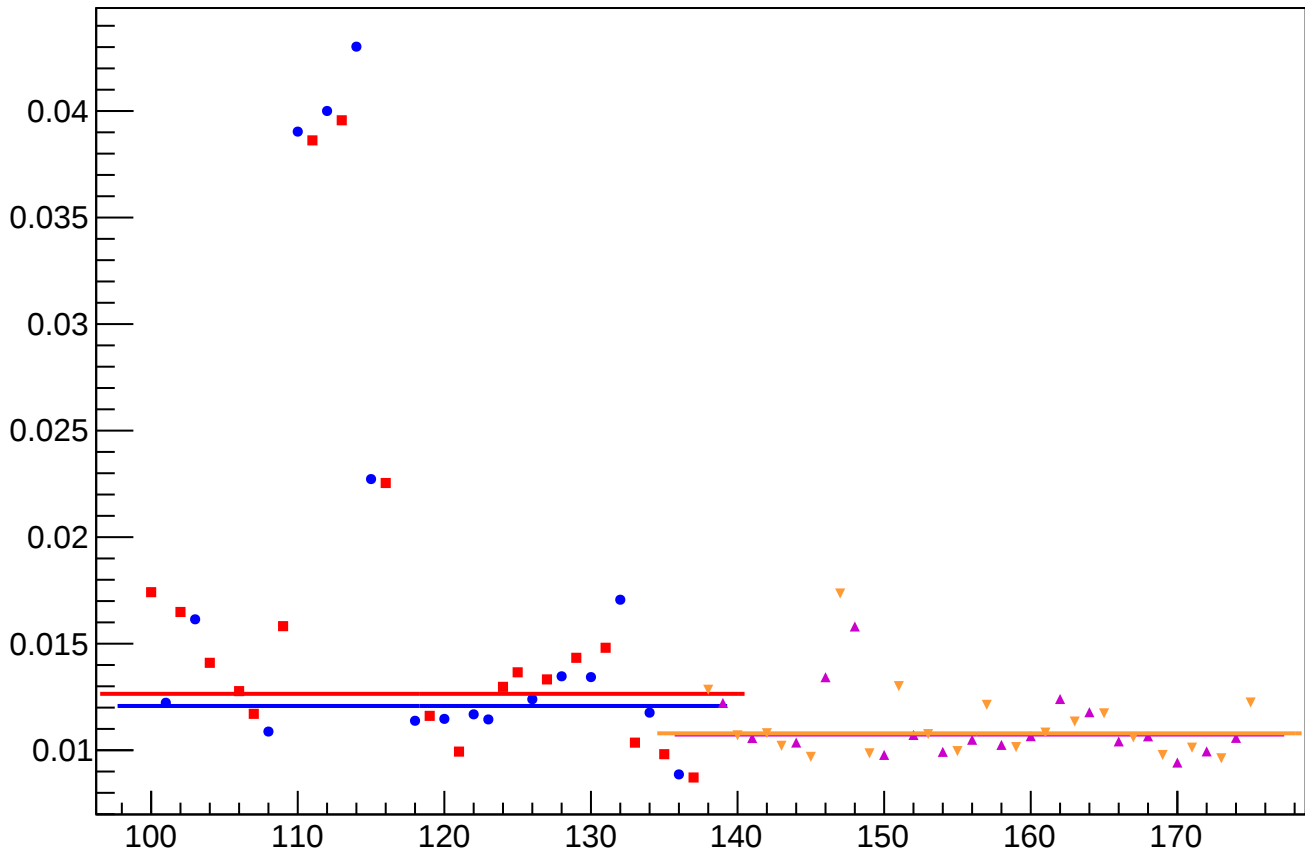
Left In: 0.059+/-0.000 χ^2/NDF : 57303043.9/17

+ sign 0.117+/-0.000 χ^2/NDF : 6909428224.4/36

All: 0.122+/-0.000 χ^2/NDF : 14650311352.4/7

- sign 0.128+/-0.000 χ^2/NDF : 7732618061.6/36

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:443046.1/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

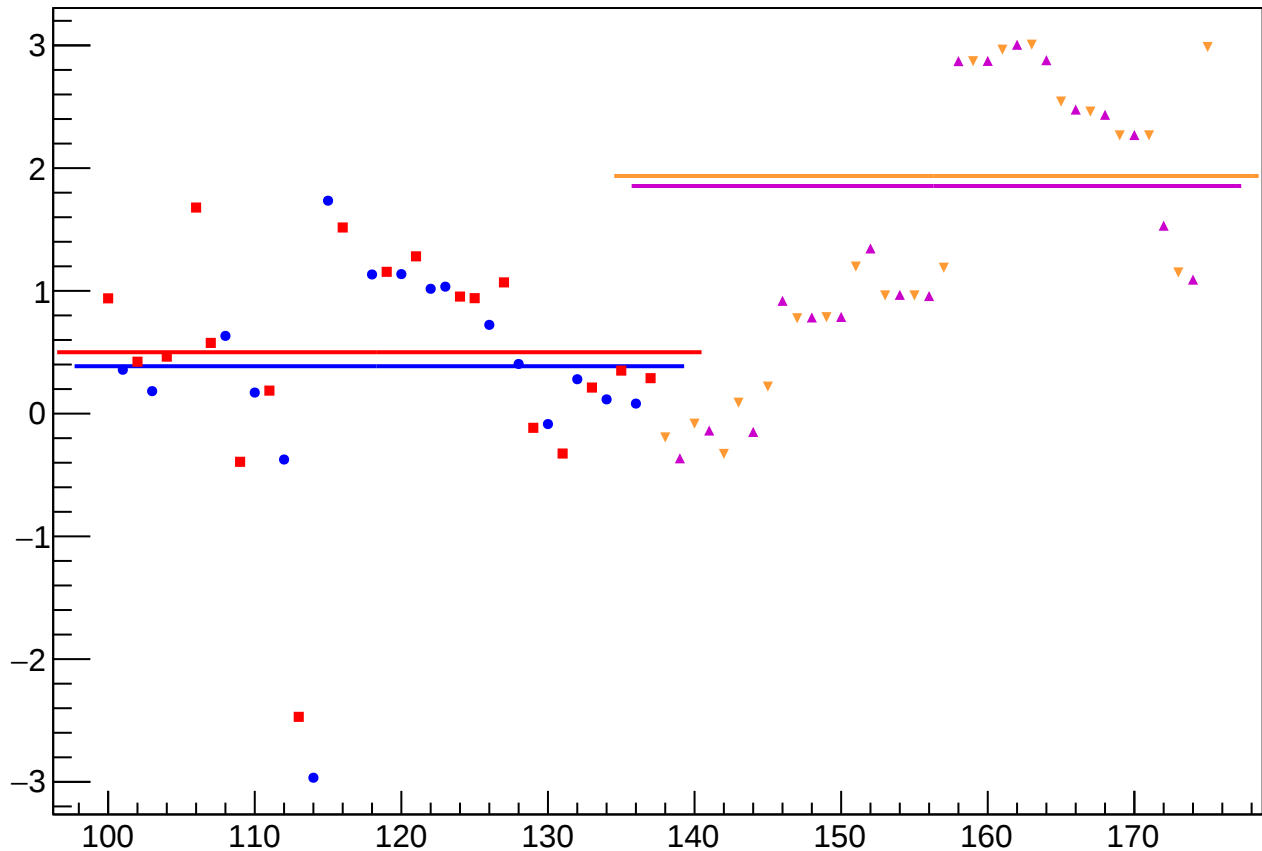
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:349483.0/17

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1819811.3/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3610797.2/73

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1789526.1/36

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.936+/-0.000 χ^2/NDF :31937630706.6/19

+ sign 1.870+/-0.000 χ^2/NDF : 36202052428.6/36

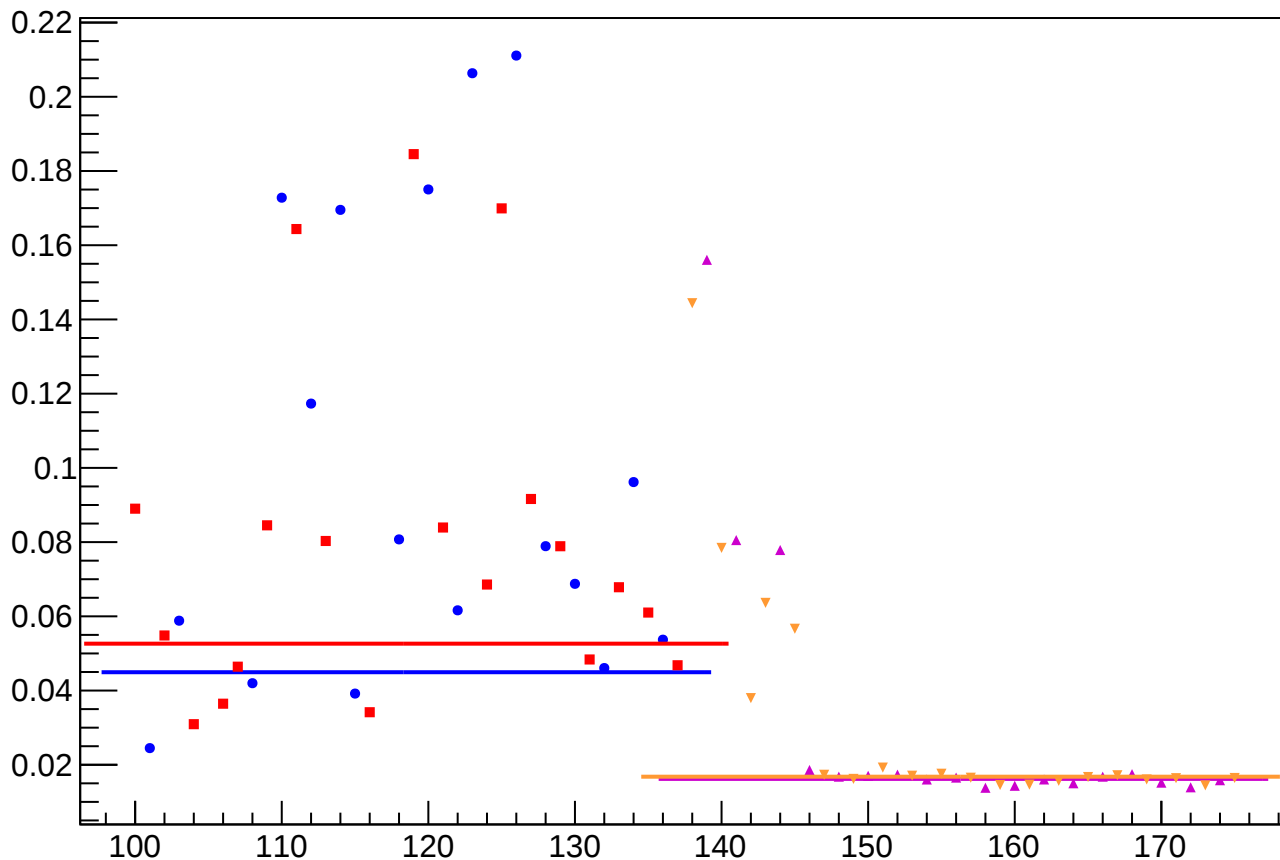
Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

All: 1.838+/-0.000 χ^2/NDF : 70275662410.5/7

- sign 1.806+/-0.000 χ^2/NDF : 33988373999.4/36

Left In: 1.854+/-0.000 χ^2/NDF :30373656331.2/17

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 : 2778743.1/19

Right Out: 0.053 ± 0.000 χ^2/NDF : 2191752.0/18

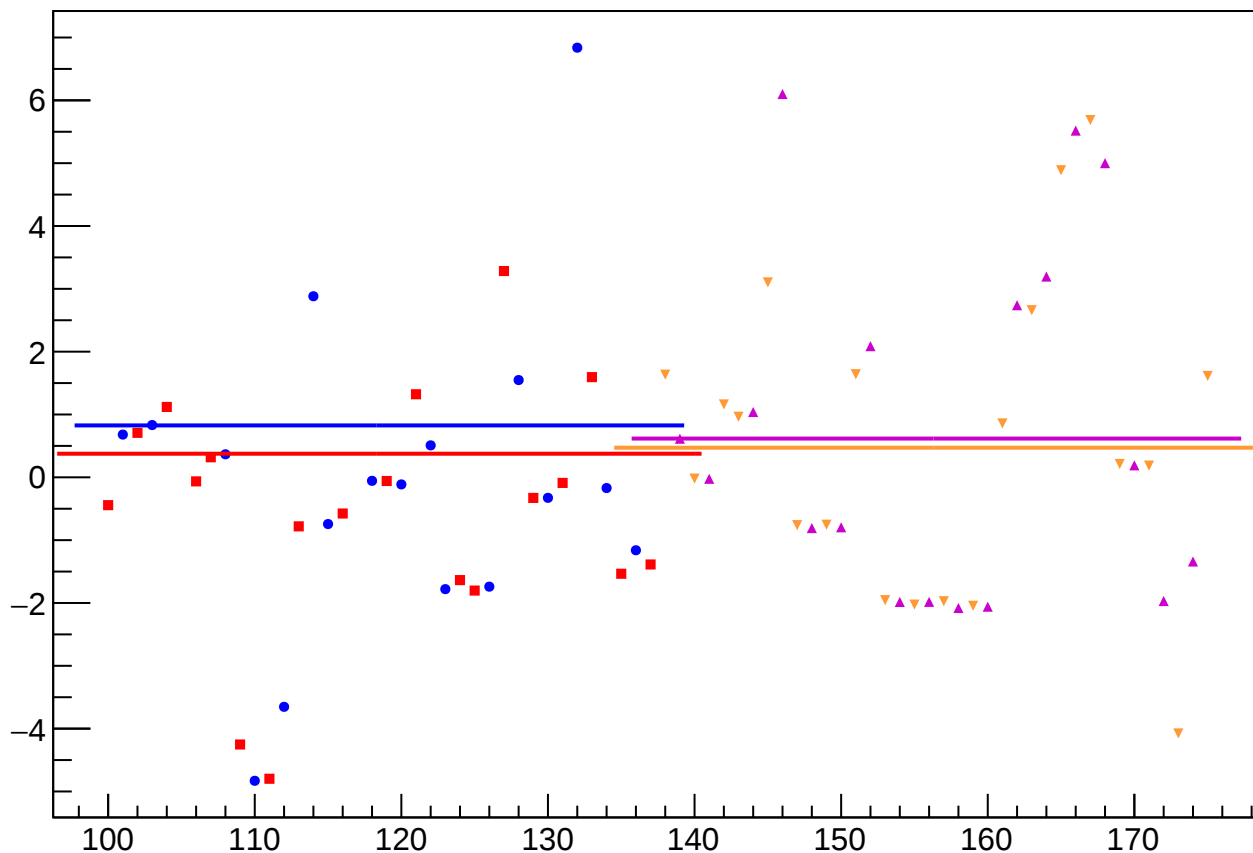
Left In: 0.016 ± 0.000 χ^2/NDF : 2450729.2/17

+ sign 0.018 ± 0.000 χ^2/NDF : 8218687.5/36

All: 0.018 ± 0.000 χ^2/NDF : 16680865.5/73

- sign 0.018 ± 0.000 χ^2/NDF : 8452707.5/36

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.471+/-0.000 χ^2/NDF : 474627659904.9/19

Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

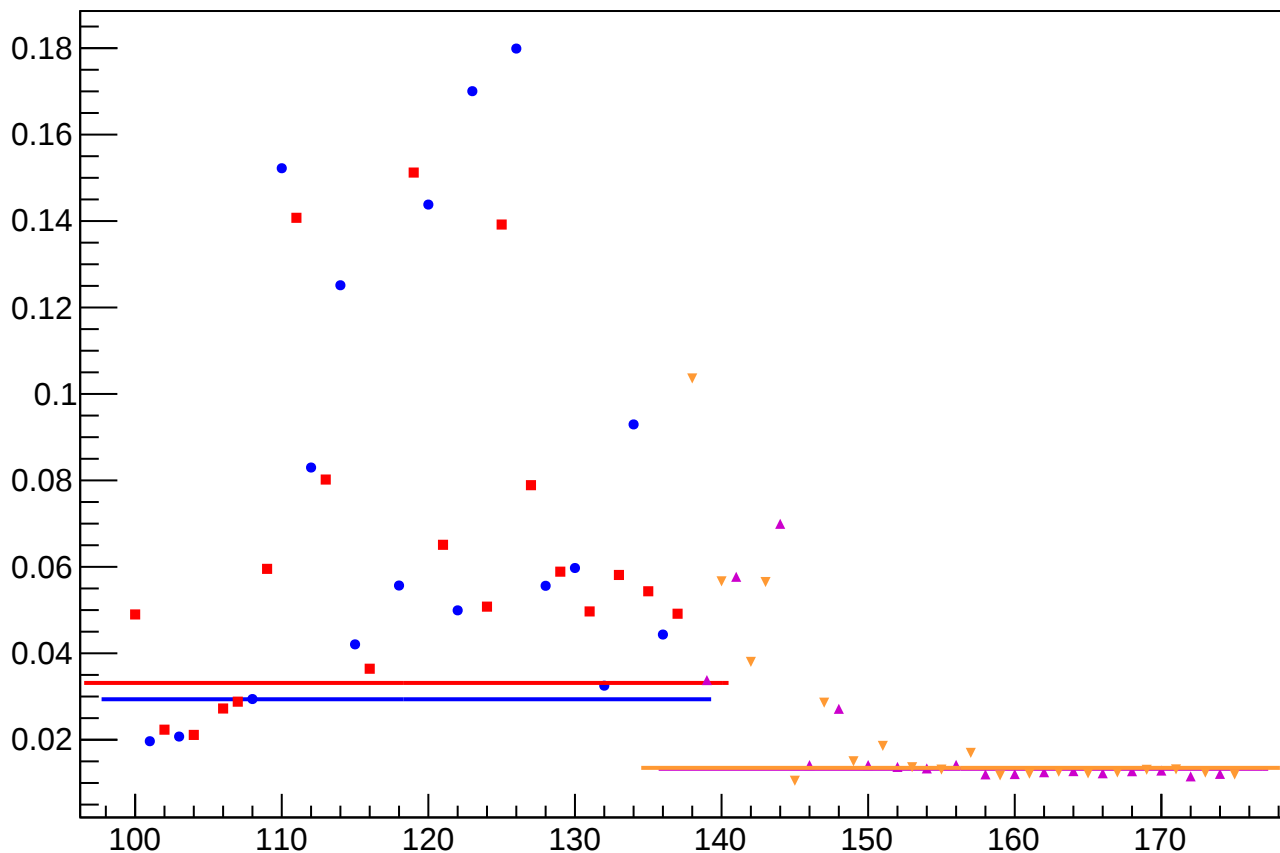
Left In: 0.617+/-0.000 χ^2/NDF : 543734994667.0/17

+ sign 0.491+/-0.000 χ^2/NDF : 486040155900.3/36

All: 0.548+/-0.000 χ^2/NDF : 1035355859875.

- sign 0.605+/-0.000 χ^2/NDF : 548874911337.6/36

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.013+/-0.000 χ^2/NDF :2890250.4/19

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

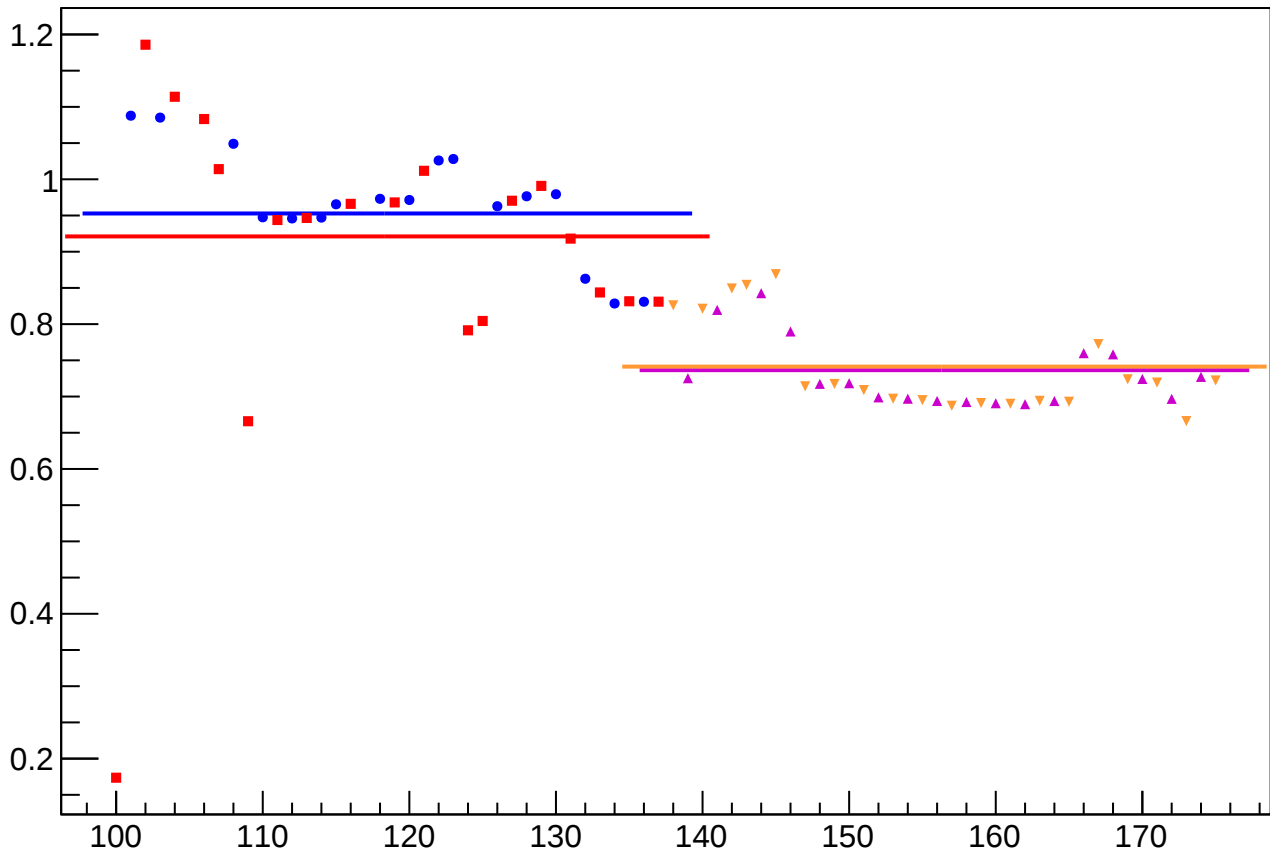
Left In: 0.013+/-0.000 χ^2/NDF :1949020.4/17

+ sign 0.014+/-0.000 χ^2/NDF : 7746368.1/36

All: 0.014+/-0.000 χ^2/NDF : 15412258.9/73

- sign 0.014+/-0.000 χ^2/NDF : 7665104.3/36

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.741 $\pm$ 0.000 χ^2 /NDF: 291101175.8/19

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

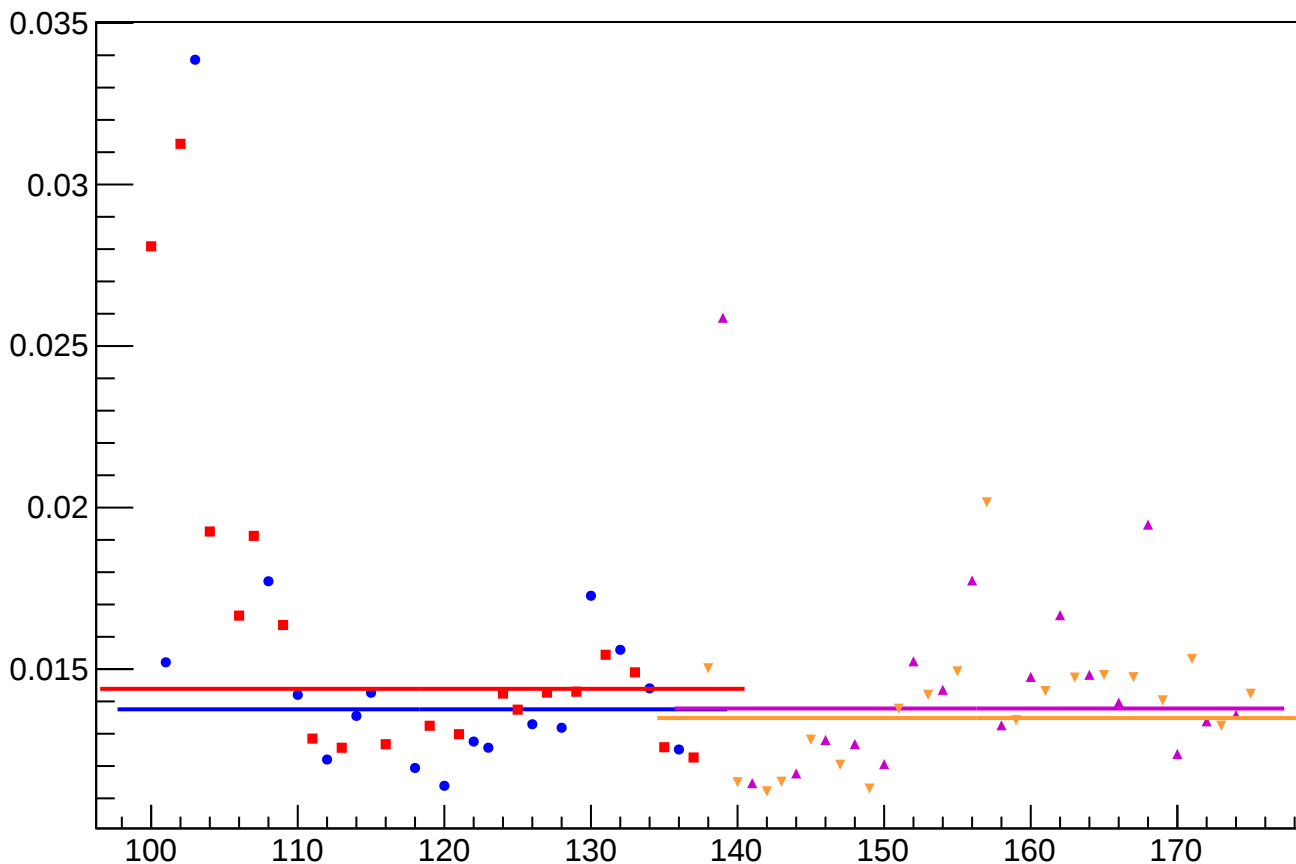
Left In: 0.736 $\pm$ 0.000 χ^2 /NDF: 164786858.5/17

+ sign 0.804 $\pm$ 0.000 χ^2 /NDF: 1424413640.2/36

All: 0.799 $\pm$ 0.000 χ^2 /NDF: 2659691054.4/73

- sign 0.794 $\pm$ 0.000 χ^2 /NDF: 1230030748.4/36

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 400726.5/19

Right Out: 0.014+/-0.000 χ^2/NDF : 503813.0/18

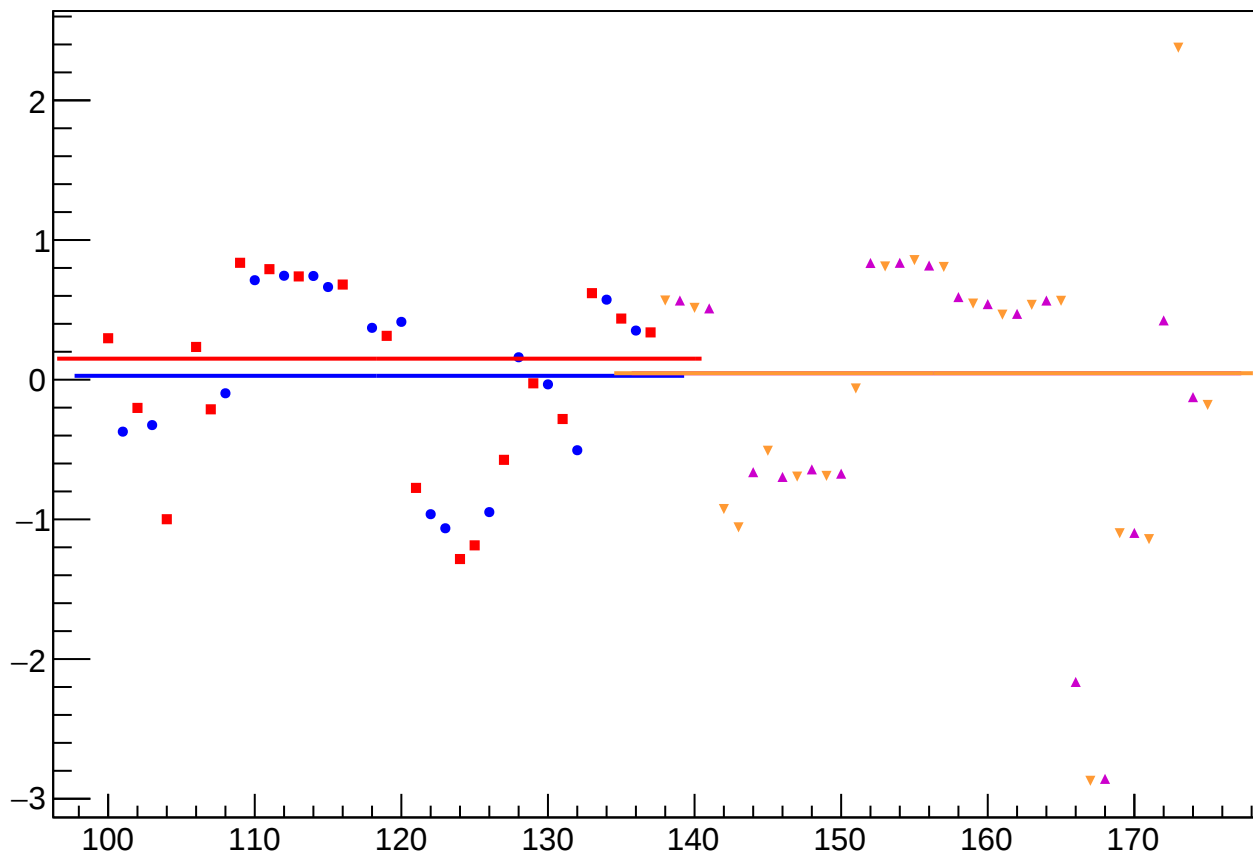
Left In: 0.014+/-0.000 χ^2/NDF : 752439.2/17

+ sign 0.014+/-0.000 χ^2/NDF : 942323.0/36

All: 0.014+/-0.000 χ^2/NDF : 2229670.3/73

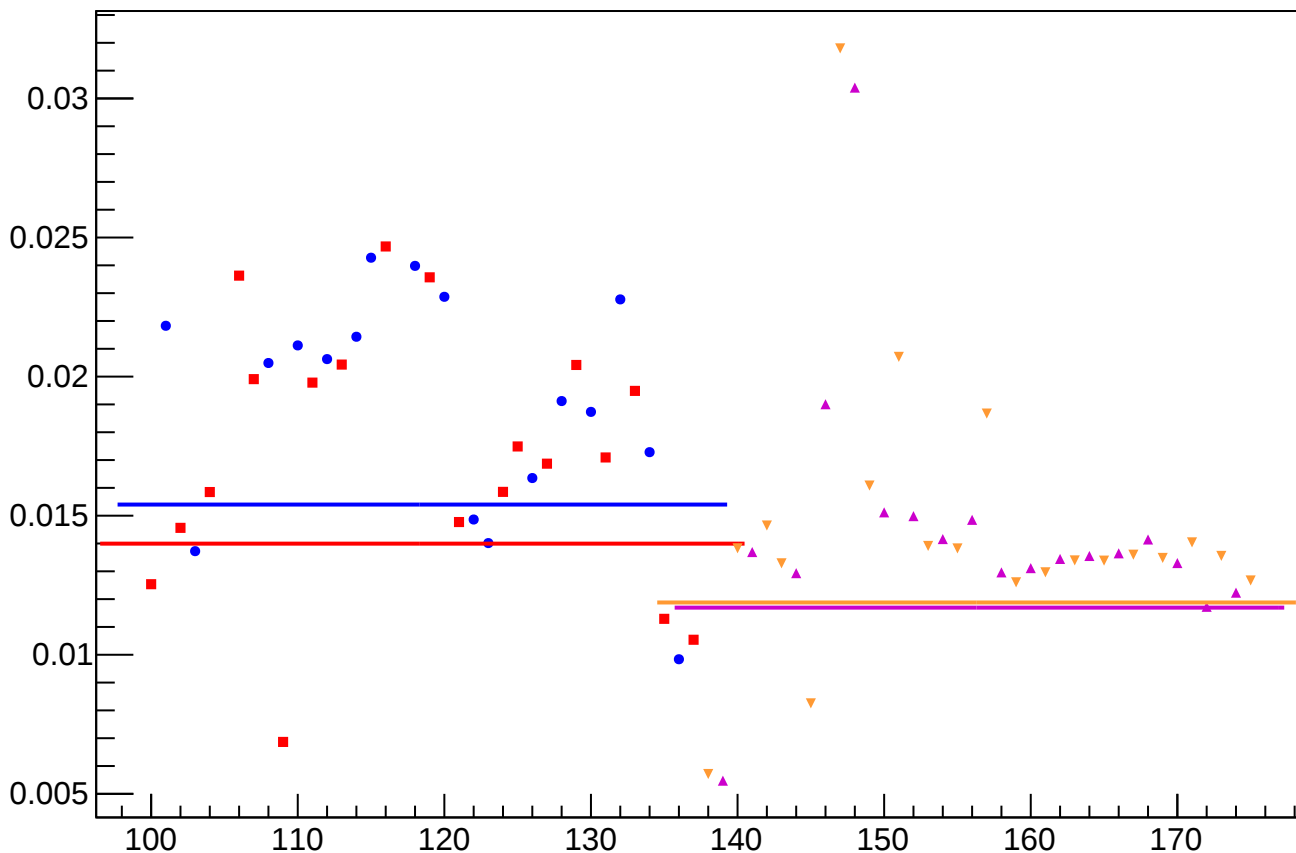
- sign 0.014+/-0.000 χ^2/NDF : 1271279.6/36

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000	χ^2/NDF : 6276955529.7/16	+ sign 0.043+/-0.000	χ^2/NDF : 101106022426.0/36
Left Out: 0.046+/-0.000	χ^2/NDF : 94822554460.6/19	All: 0.057+/-0.000	χ^2/NDF : 192866130684.4
Right Out: 0.151+/-0.000	χ^2/NDF : 12653743155.9/18	- sign 0.072+/-0.000	χ^2/NDF : 91710886209.0/36
Left In: 0.046+/-0.000	χ^2/NDF : 78822005324.8/17		

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3048263.7/19

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

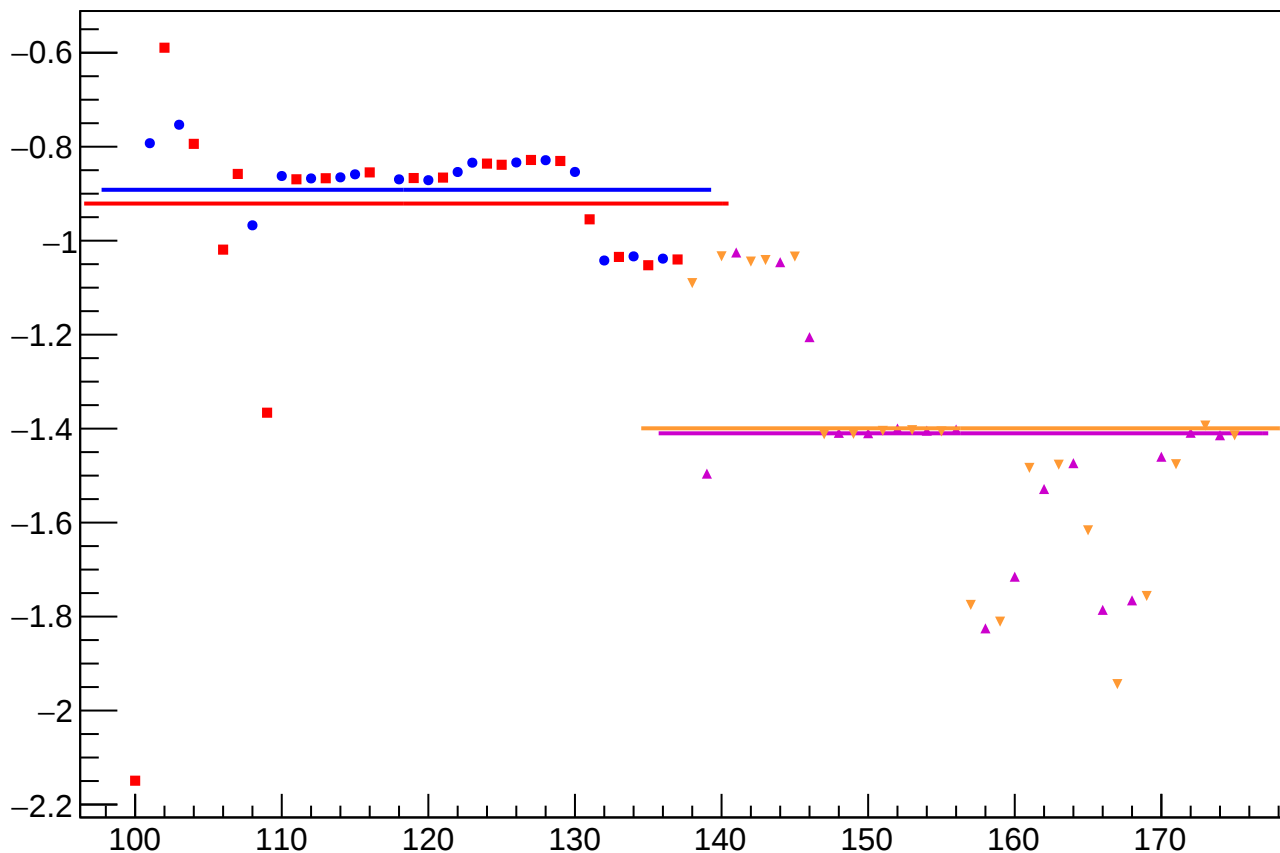
Left In: 0.012+/-0.000 χ^2/NDF : 3036221.0/17

+ sign 0.013+/-0.000 χ^2/NDF : 4653978.8/36

All: 0.012+/-0.000 χ^2/NDF : 9493003.1/73

- sign 0.012+/-0.000 χ^2/NDF : 4825310.3/36

yield_bpm12X_mean vs Slug



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.399+/-0.000 χ^2/NDF : 714432702.9/19

Right Out: -0.921+/-0.000 χ^2/NDF : 131159330.1/18

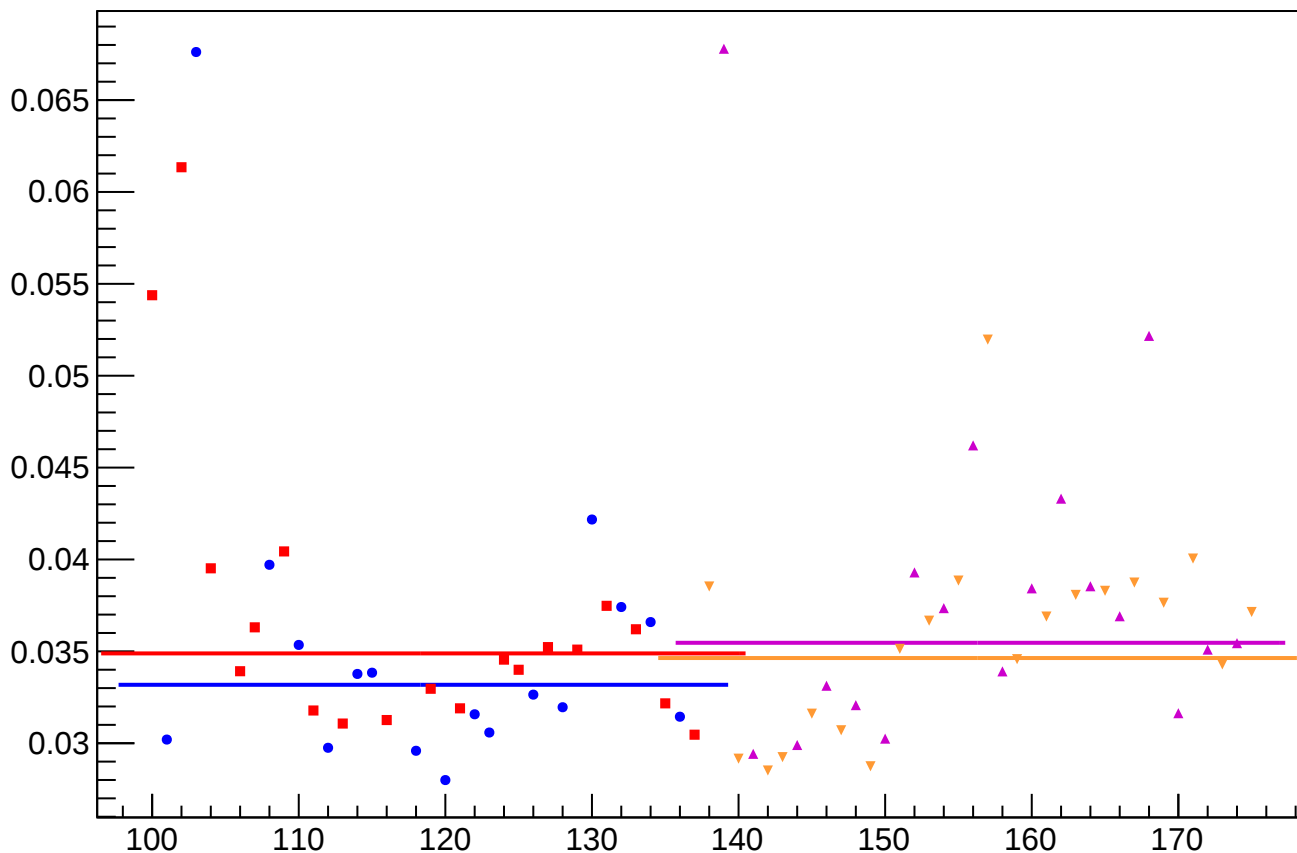
Left In: -1.410+/-0.000 χ^2/NDF : 511161420.2/17

+ sign -1.233+/-0.000 χ^2/NDF : 1669739667.7/36

All: -1.238+/-0.000 χ^2/NDF : 3109209005.6/7

- sign -1.243+/-0.000 χ^2/NDF : 1438672125.9/36

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.035+/-0.000 χ^2/NDF : 458958.0/19

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

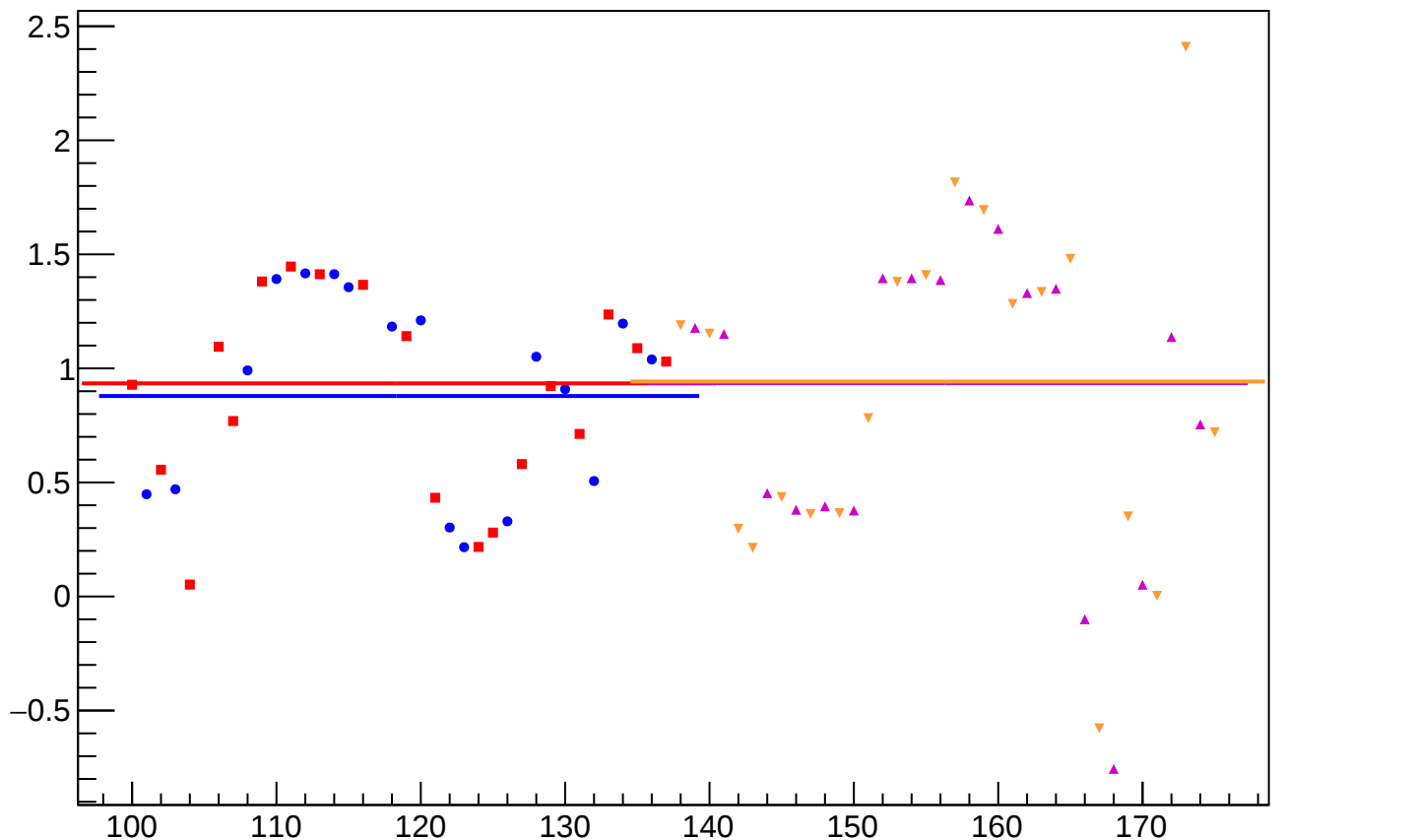
Left In: 0.035+/-0.000 χ^2/NDF : 836052.2/17

+ sign 0.034+/-0.000 χ^2/NDF : 874134.0/36

All: 0.035+/-0.000 χ^2/NDF : 2006433.8/73

- sign 0.035+/-0.000 χ^2/NDF : 1113288.2/36

yield_bpm12Y_mean vs Slug



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.943+/-0.000 χ^2/NDF : 82435720509.8/19

Right Out: 0.934+/-0.000 χ^2/NDF : 9827120184.9/18

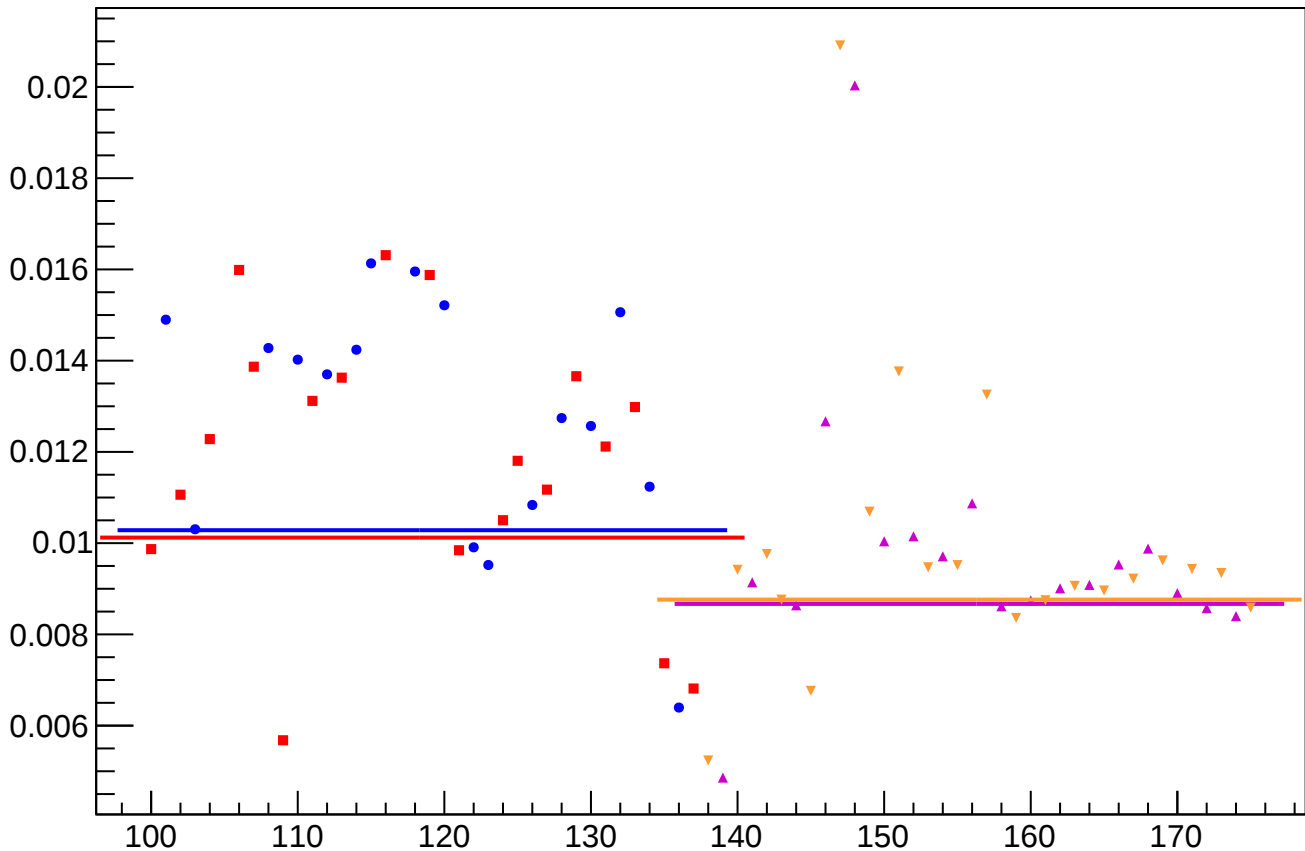
Left In: 0.936+/-0.000 χ^2/NDF : 65835490637.6/17

+ sign 0.928+/-0.000 χ^2/NDF : 88971324683.7/36

All: 0.932+/-0.000 χ^2/NDF : 164640167310.2

- sign 0.935+/-0.000 χ^2/NDF : 75662688520.0/36

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: 1695178.1/19

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

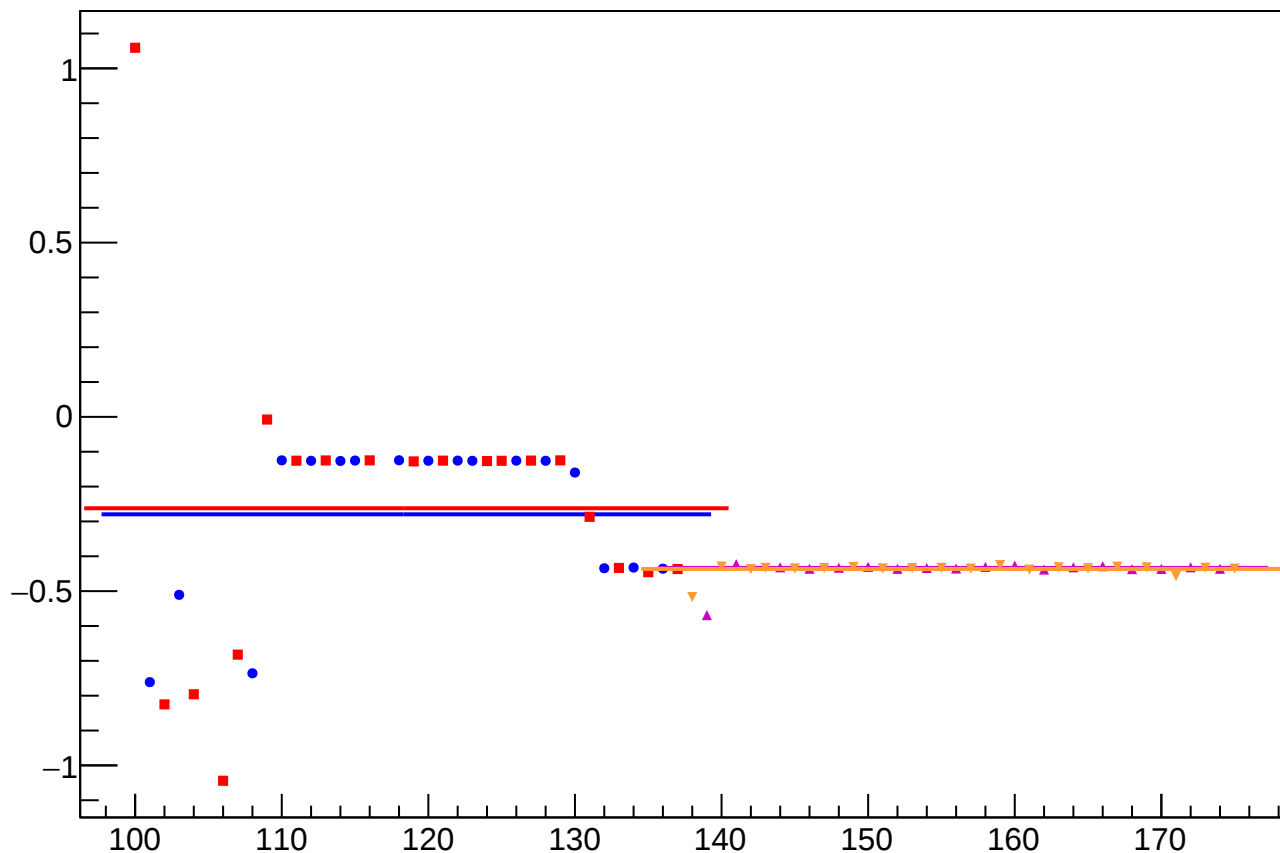
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1655729.2/17

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3090163.7/36

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6103464.1/73

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3012050.0/36

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 : 28742768.2/19

Right Out: -0.262 ± 0.000 χ^2/NDF : 1006263824.6/18

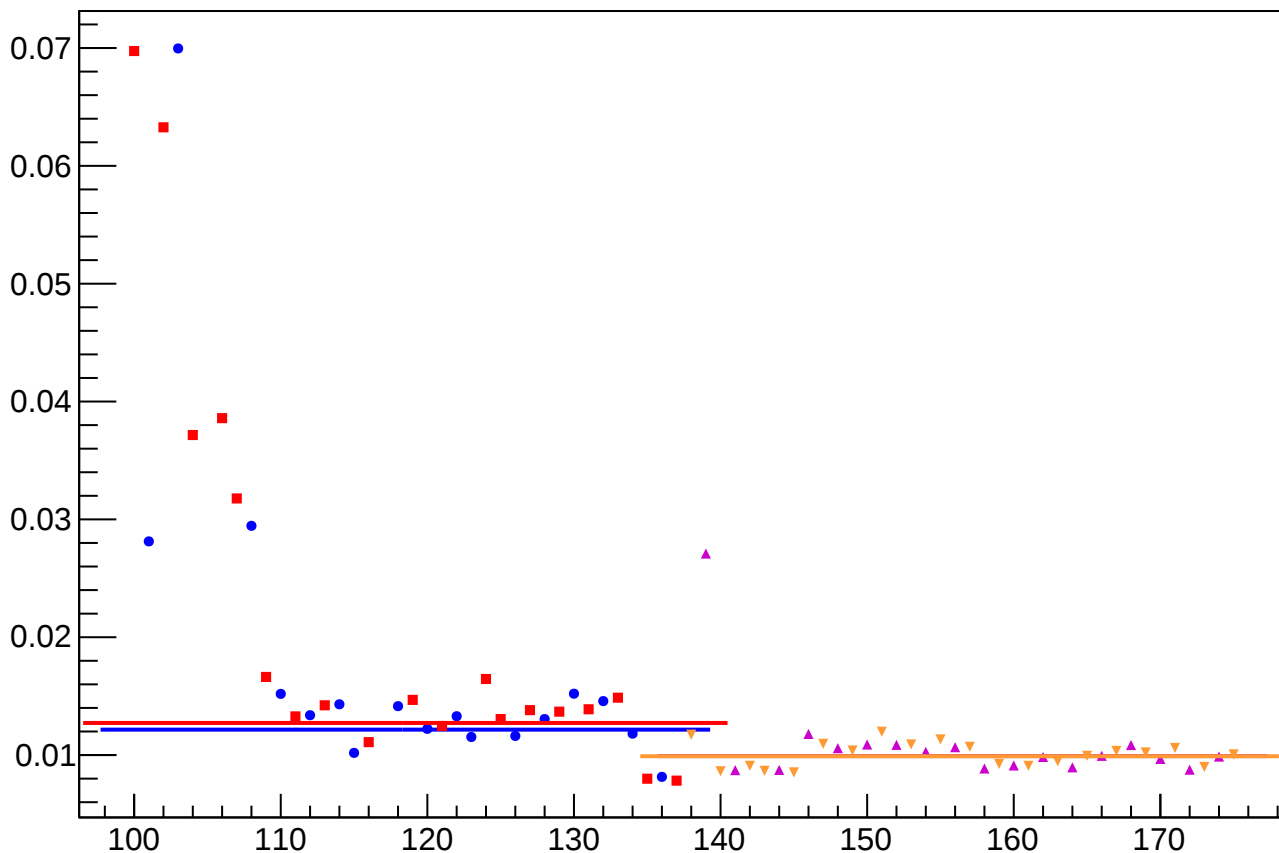
Left In: -0.433 ± 0.000 χ^2/NDF : 19862695.5/17

+ sign -0.406 ± 0.000 χ^2/NDF : 1579867793.4/36

All: -0.402 ± 0.000 χ^2/NDF : 3308100411.6/7

- sign -0.399 ± 0.000 χ^2/NDF : 1724948507.3/36

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:248962.7/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

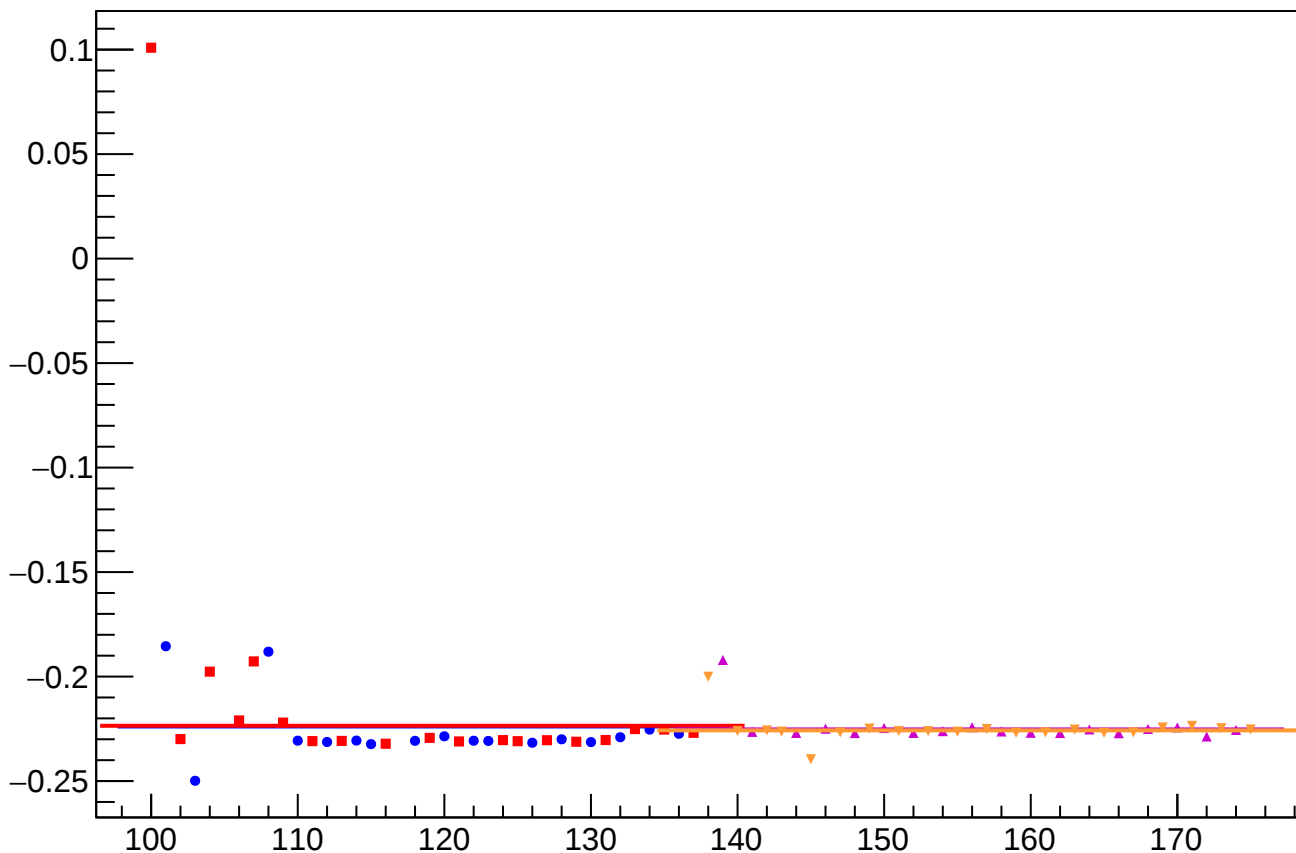
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:763463.9/17

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2229817.5/36

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5340724.8/73

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3108091.5/36

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 : 20871816.7/19

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

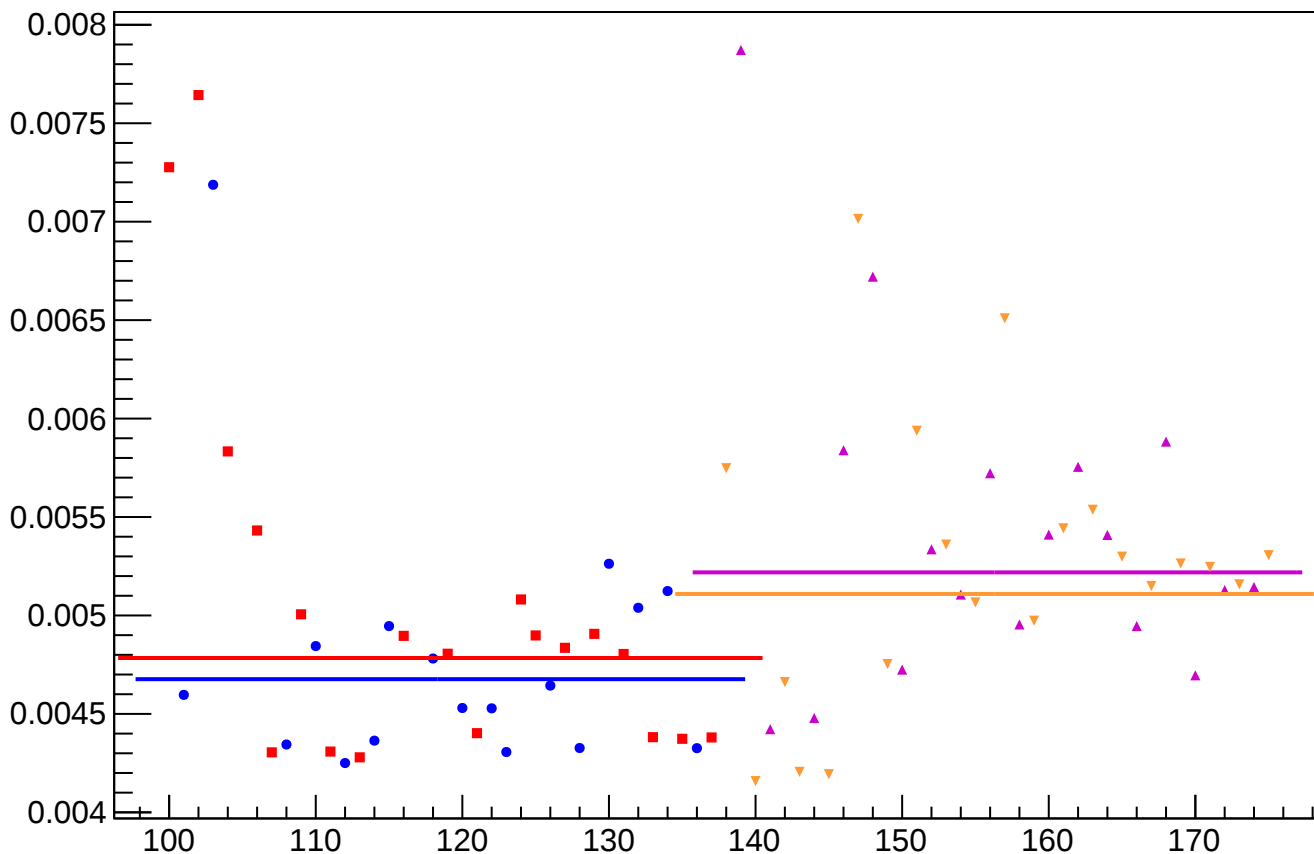
Left In: -0.225+/-0.000 χ^2/NDF : 13175148.5/17

+ sign -0.225+/-0.000 χ^2/NDF : 96104528.1/36

All: -0.225+/-0.000 χ^2/NDF : 278025274.1/73

- sign -0.225+/-0.000 χ^2/NDF : 181831070.3/36

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 : 455065.3/19

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

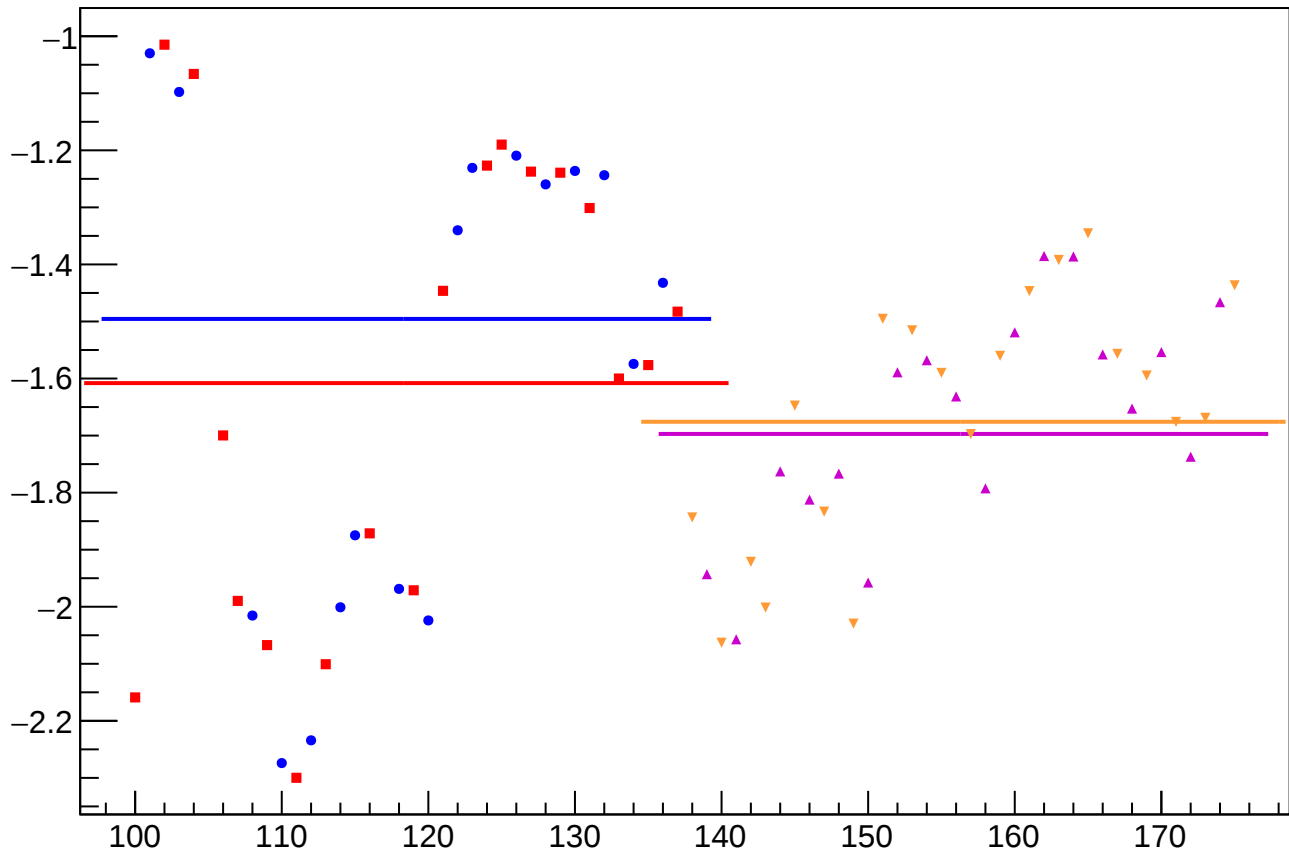
Left In: 0.005+/-0.000 χ^2/NDF : 436877.4/17

+ sign 0.005+/-0.000 χ^2/NDF : 703755.9/36

All: 0.005+/-0.000 χ^2/NDF : 1463052.0/73

- sign 0.005+/-0.000 χ^2/NDF : 752010.0/36

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.676+/-0.000 χ^2/NDF : 16947555095.0/19

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

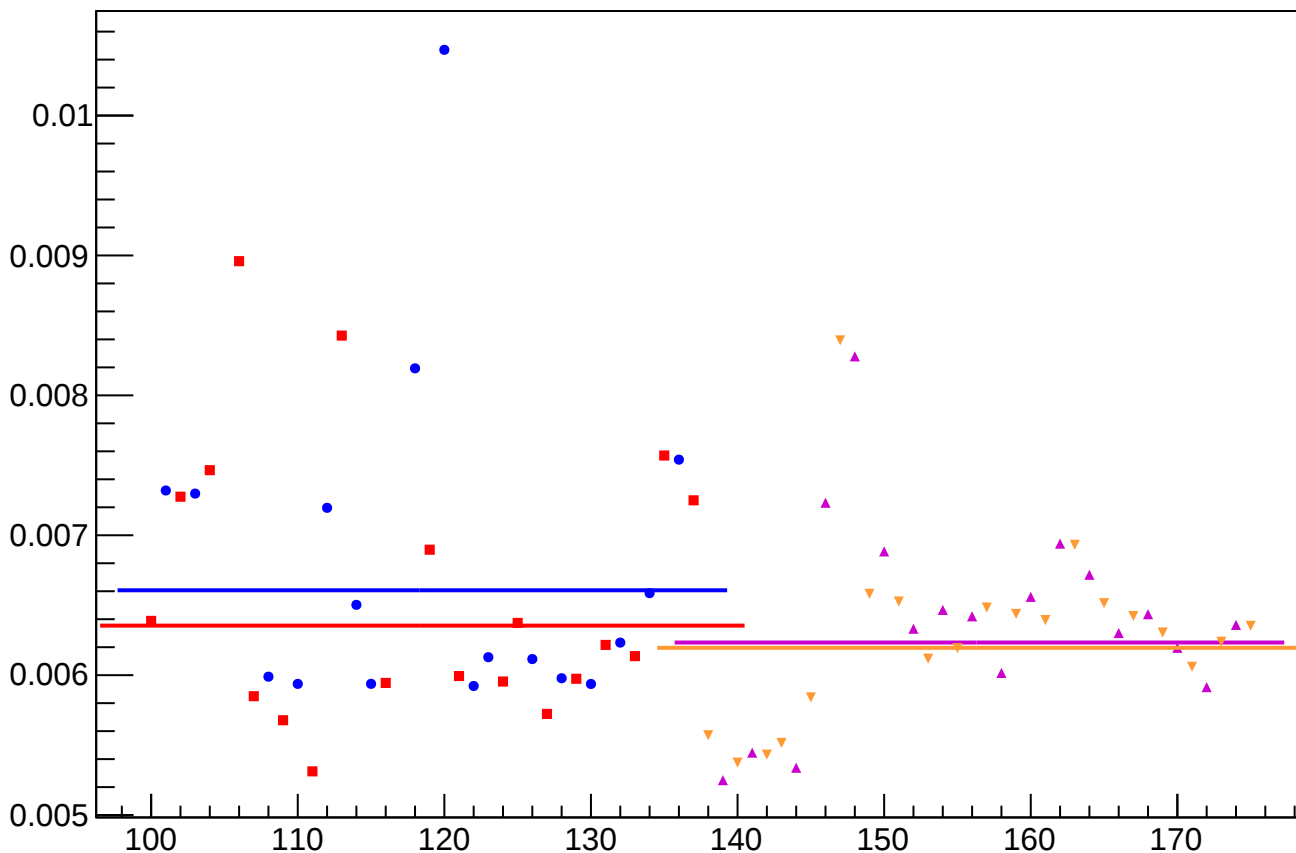
Left In: -1.697+/-0.000 χ^2/NDF : 12526150713.0/17

+ sign -1.627+/-0.000 χ^2/NDF : 42737742443.1/36

All: -1.647+/-0.000 χ^2/NDF : 84428275261.8/36

- sign -1.668+/-0.000 χ^2/NDF : 41254130916.4/36

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 : 230773.6/19

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

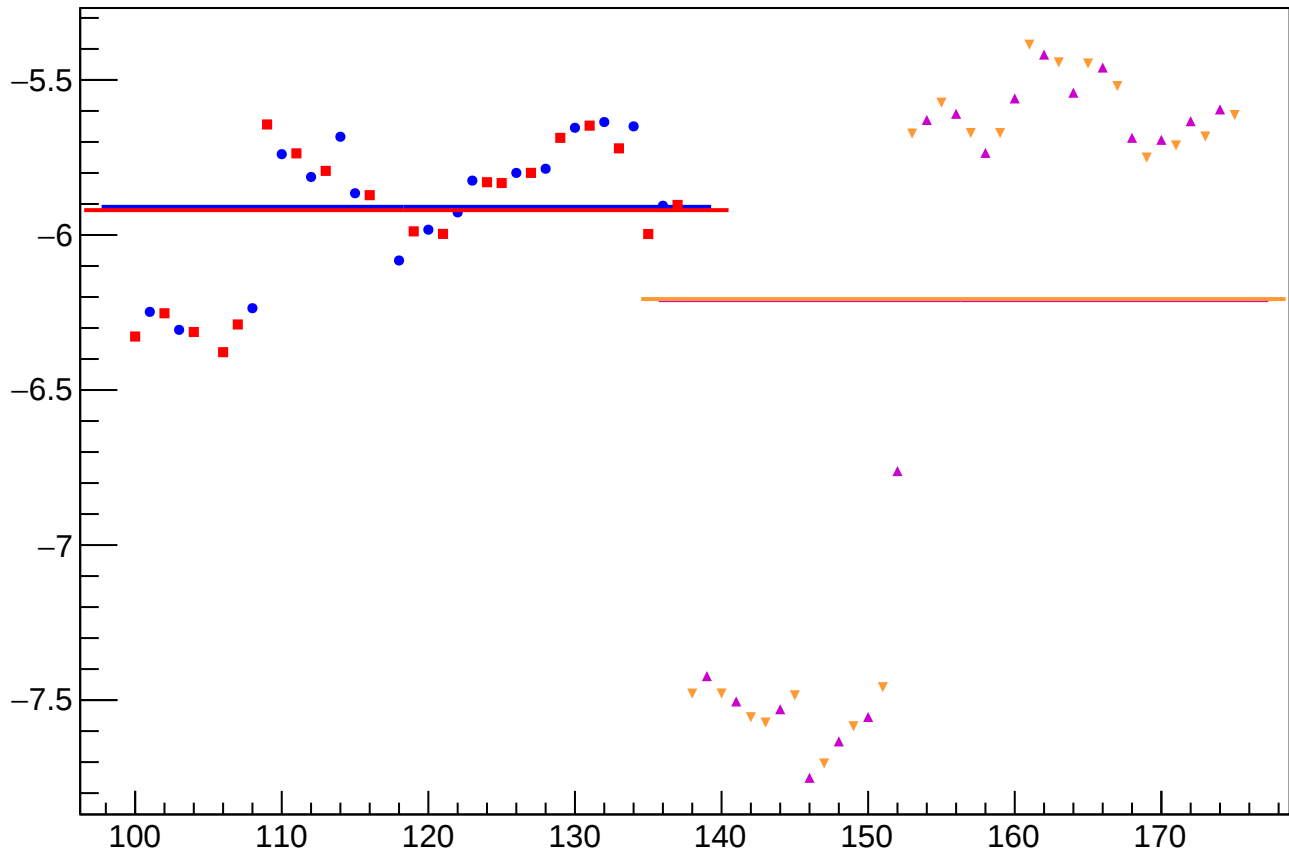
Left In: 0.006+/-0.000 χ^2/NDF : 295983.2/17

+ sign 0.006+/-0.000 χ^2/NDF : 466307.0/36

All: 0.006+/-0.000 χ^2/NDF : 993409.9/73

- sign 0.006+/-0.000 χ^2/NDF : 526489.6/36

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.207+/-0.000 χ^2/NDF : 177091620672.7/19

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

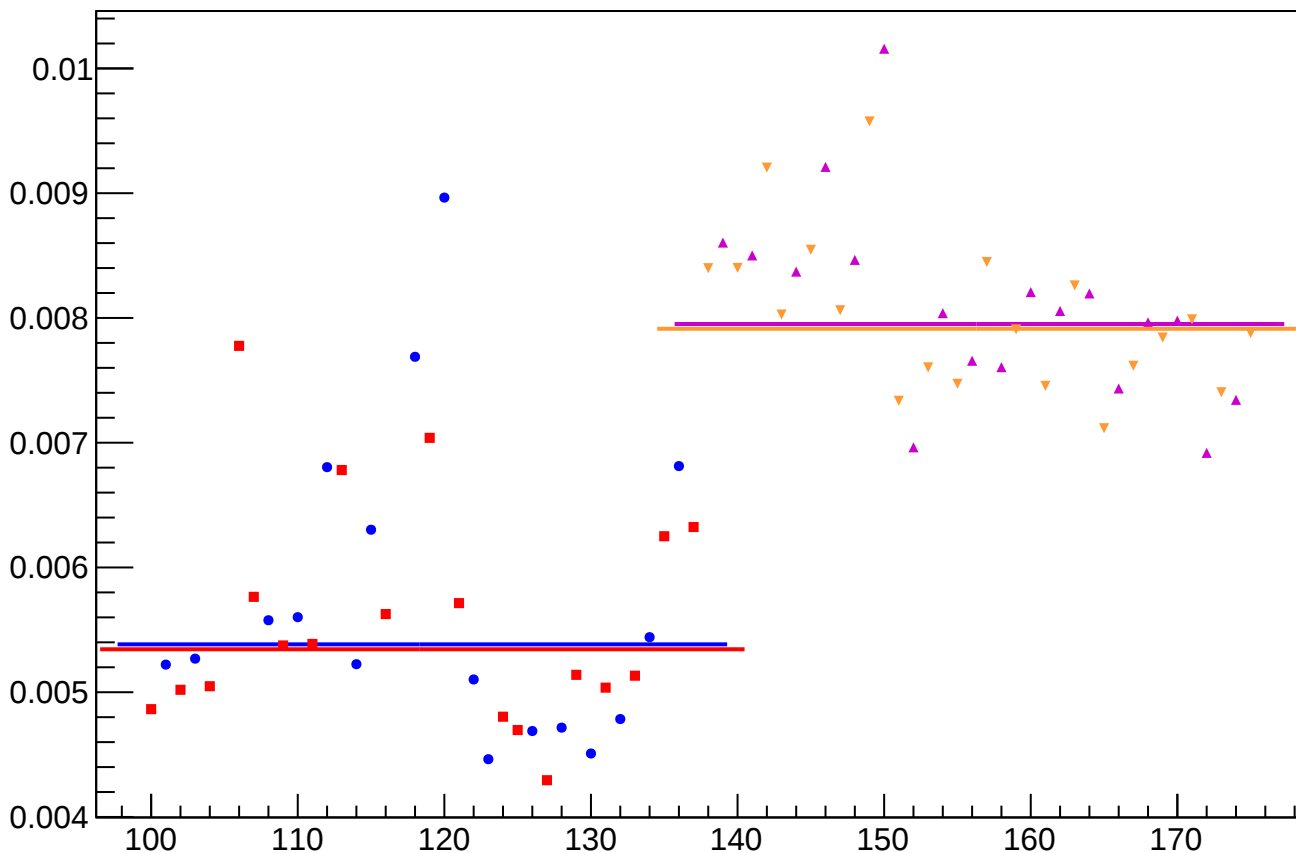
Left In: -6.210+/-0.000 χ^2/NDF : 151734439449.1/17

+ sign -6.063+/-0.000 χ^2/NDF : 197434578001.5/36

All: -6.060+/-0.000 χ^2/NDF : 370854422589.4

- sign -6.057+/-0.000 χ^2/NDF : 173414335552.5/36

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 :123627.1/19

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

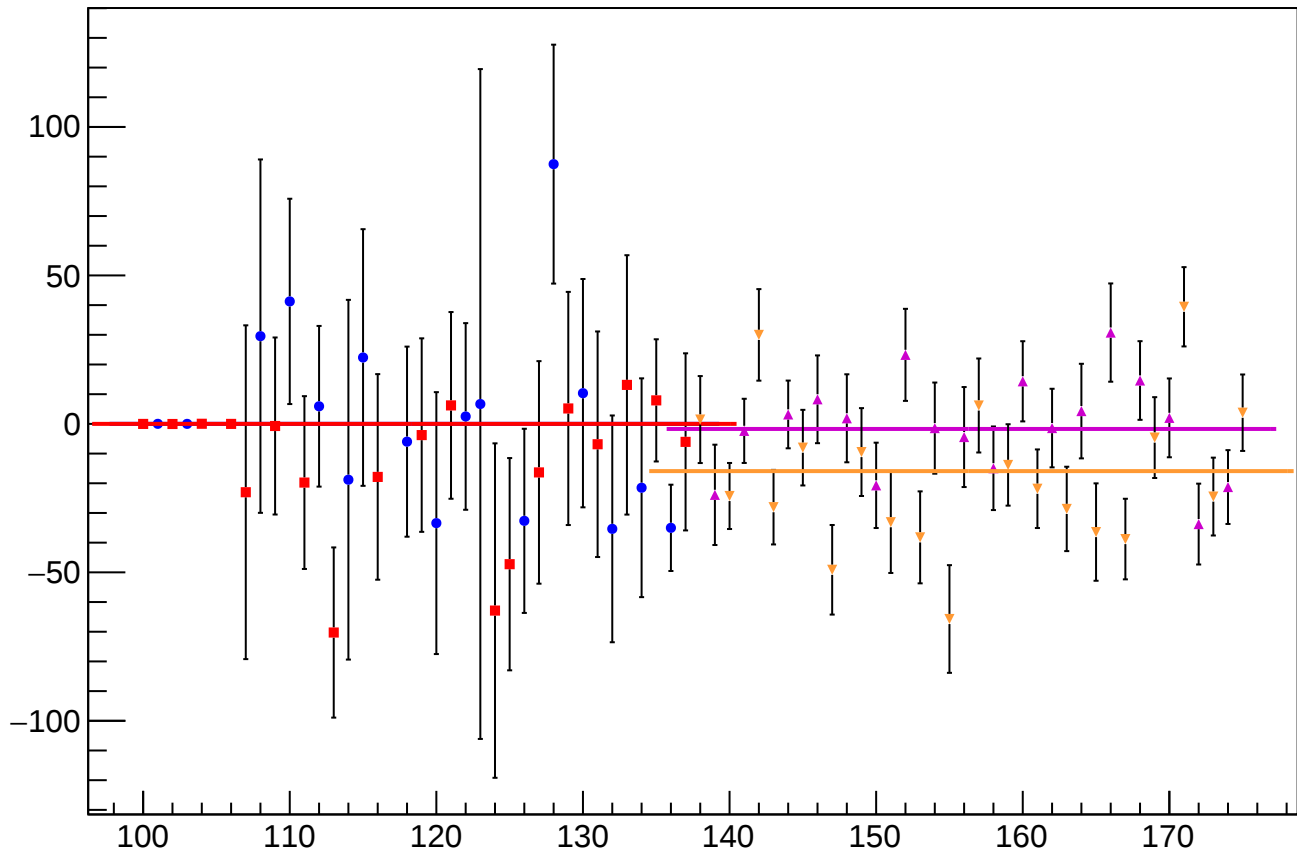
Left In: 0.008+/-0.000 χ^2/NDF :200339.3/17

+ sign 0.007+/-0.000 χ^2/NDF : 1804603.0/36

All: 0.007+/-0.000 χ^2/NDF : 3690397.3/73

- sign 0.007+/-0.000 χ^2/NDF : 1880933.1/36

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -15.907 ± 3.146 χ^2/NDF : 55.8/19

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.3/18

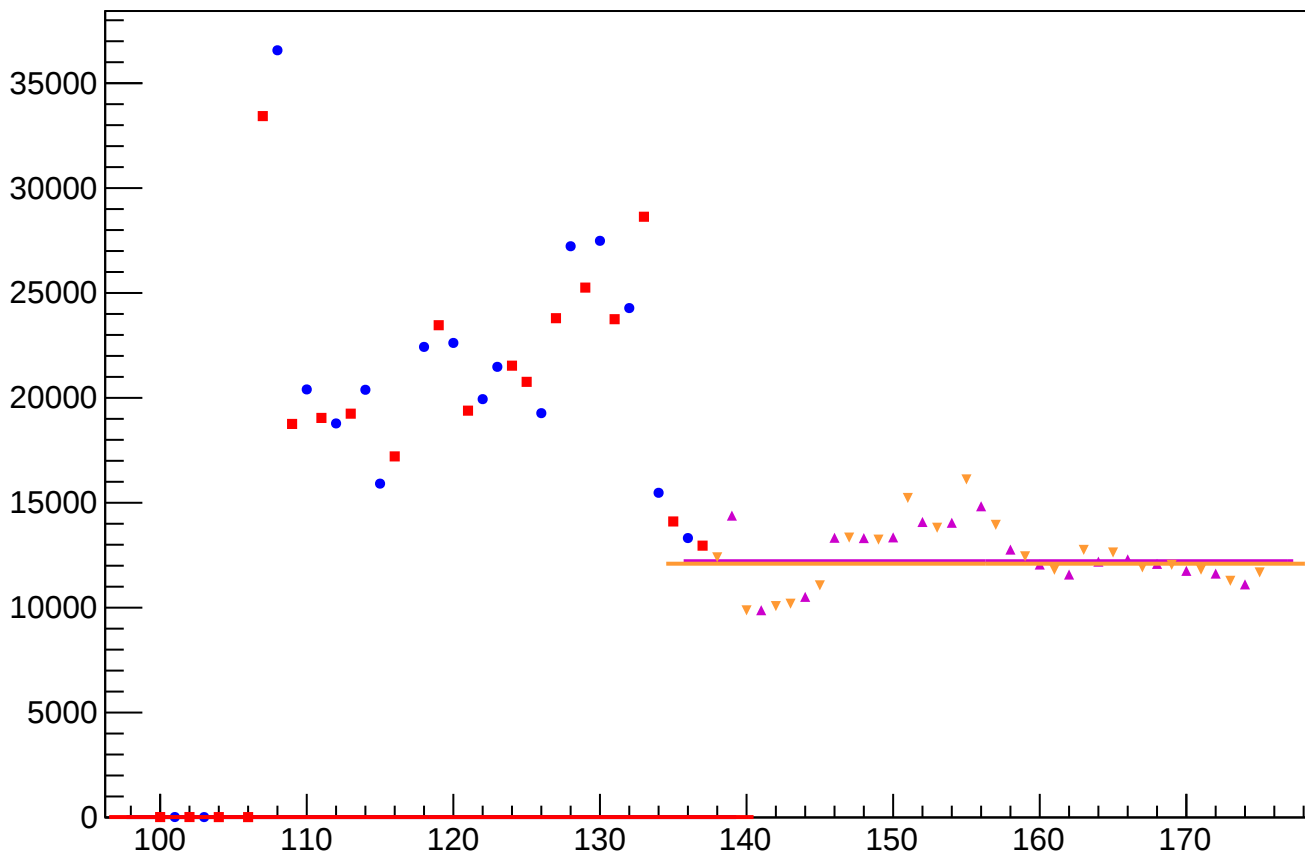
Left In: -1.708 ± 3.284 χ^2/NDF : 22.7/17

+ sign 0.013 ± 0.017 χ^2/NDF : 97.2/36

All: 0.008 ± 0.012 χ^2/NDF : 135.6/73

- sign 0.003 ± 0.016 χ^2/NDF : 38.3/36

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 10841561.4/16

Left Out: 12095.490 $\pm$ 2.225 χ^2 /NDF: 437044.5/19

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11103320.8/18

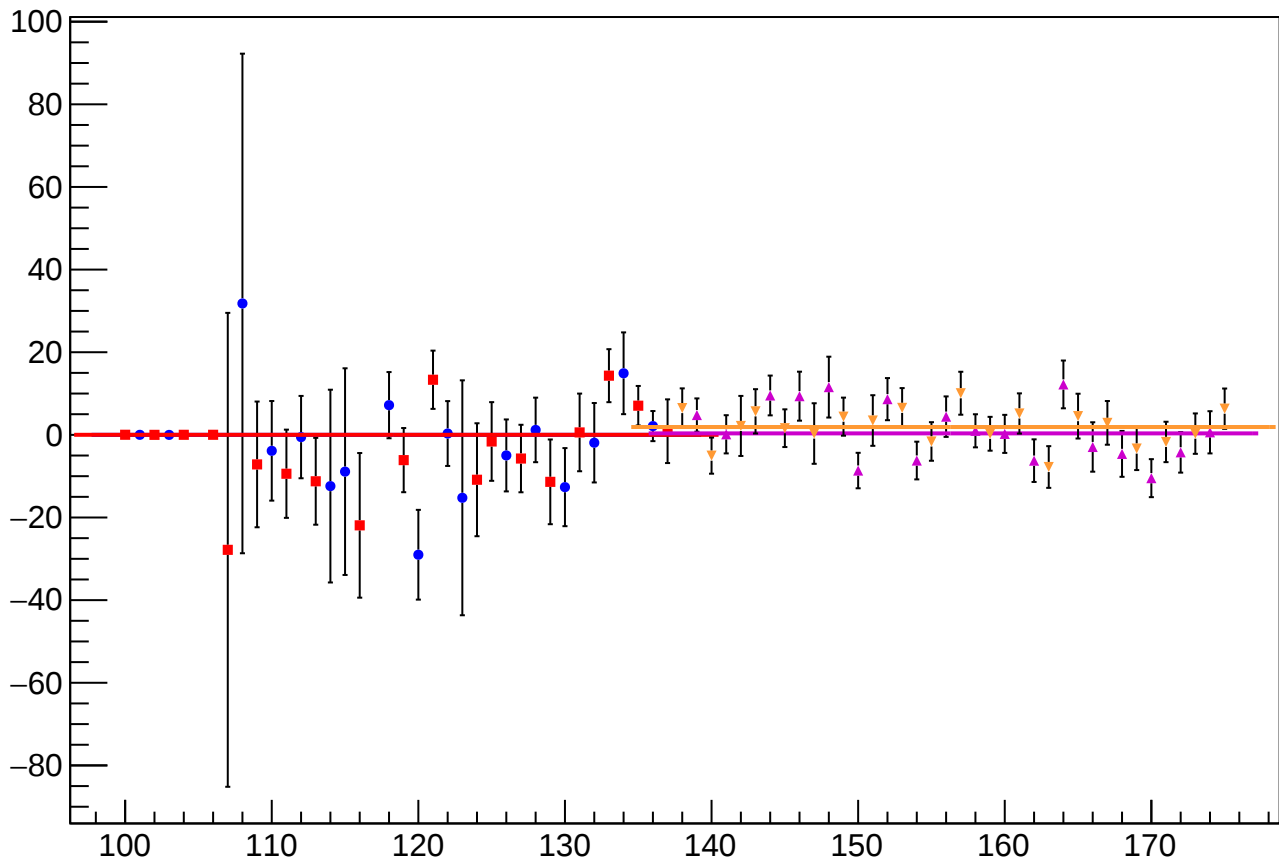
Left In: 12213.256 $\pm$ 2.322 χ^2 /NDF: 342017.3/17

+ sign 19.007 $\pm$ 0.012 χ^2 /NDF: 40747859.9/36

All: 18.790 $\pm$ 0.008 χ^2 /NDF: 79774425.9/73

- sign 18.603 $\pm$ 0.011 χ^2 /NDF: 39025981.9/36

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 1.900 $\pm$ 1.125 χ^2 /NDF:15.4/19

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

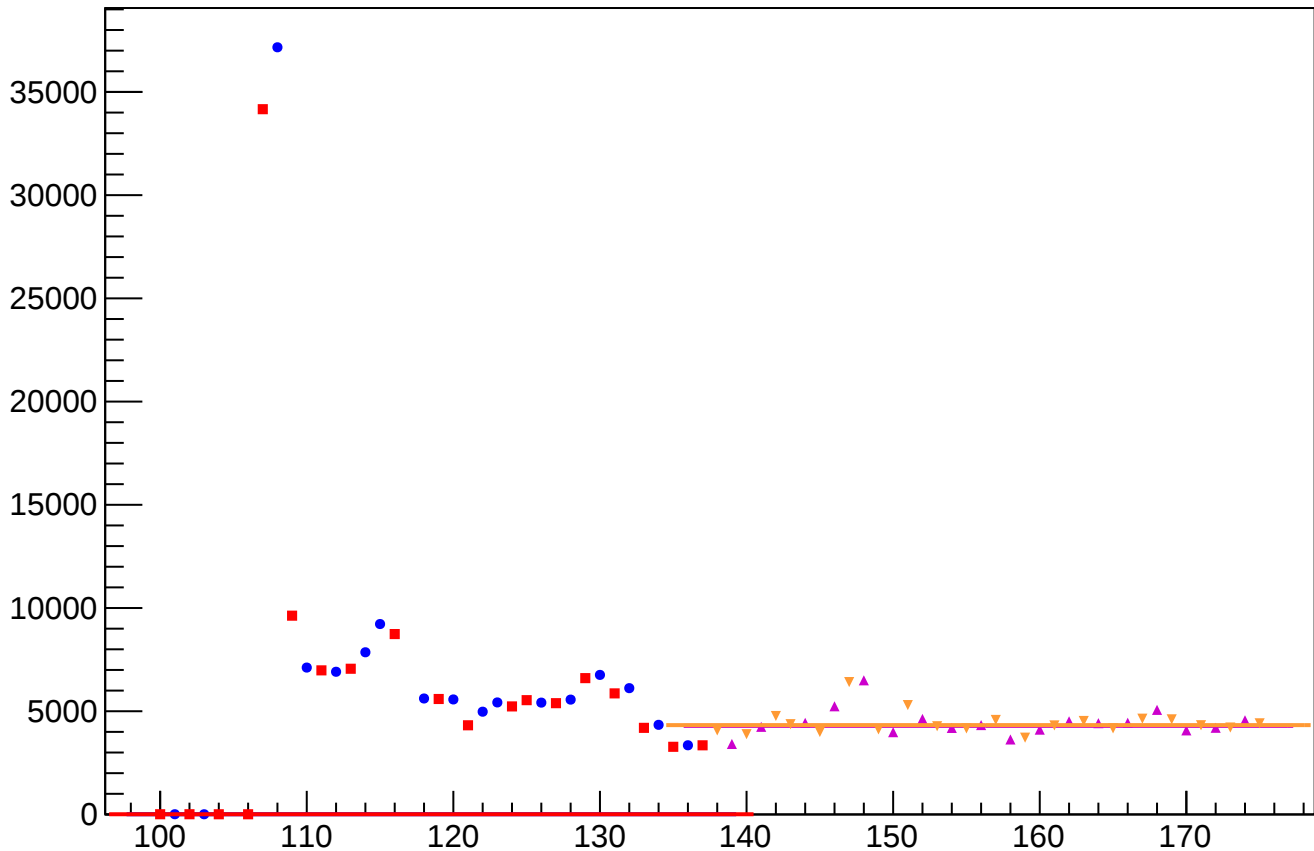
Left In: 0.358 $\pm$ 1.158 χ^2 /NDF:32.7/17

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 33.1/36

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 85.4/73

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 51.1/36

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4327.319+/-0.795 χ^2/NDF :331150.9/19

Right Out: 9.854+/-0.006 χ^2/NDF : 11152667.7/18

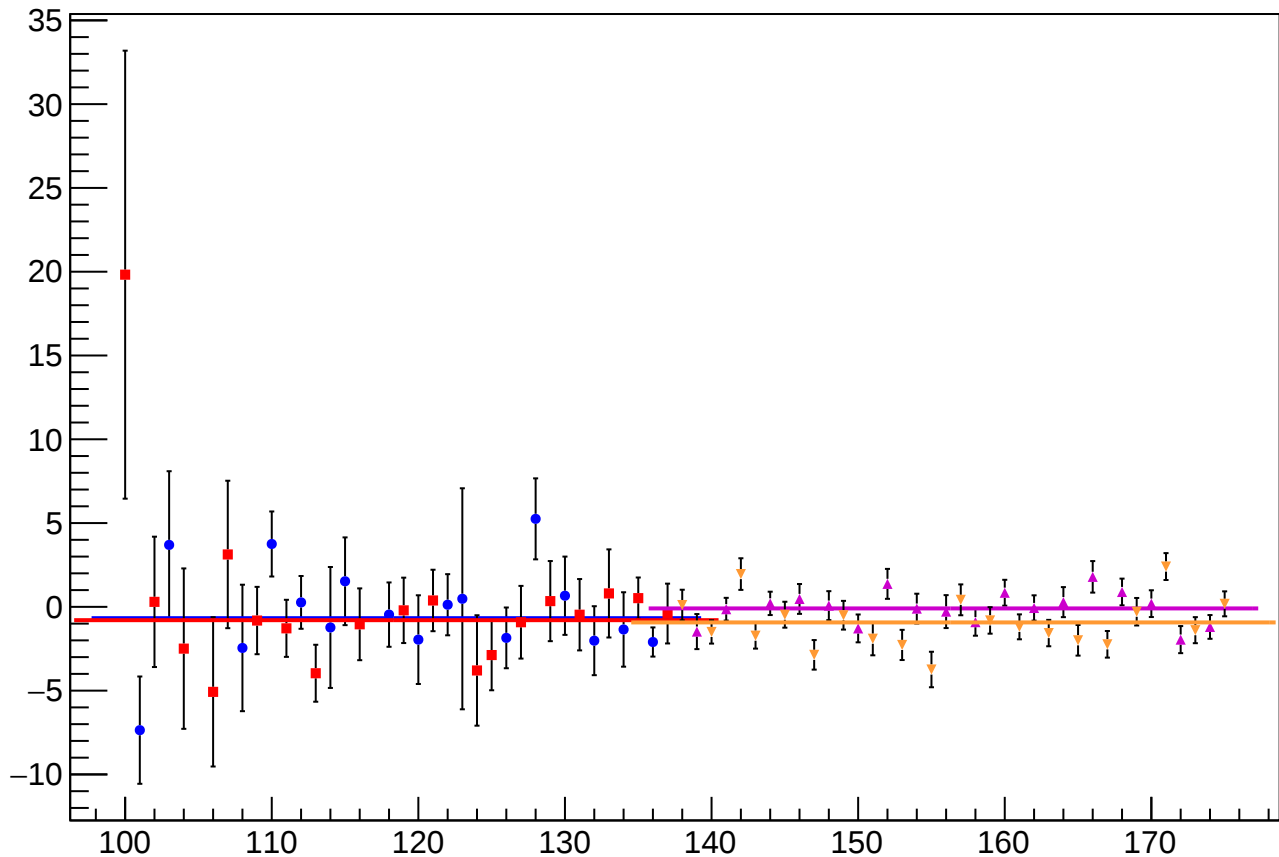
Left In: 4290.331+/-0.819 χ^2/NDF :460748.3/17

+ sign 10.227+/-0.007 χ^2/NDF : 40772560.2/36

All: 10.156+/-0.004 χ^2/NDF : 79702940.3/73

- sign 10.093+/-0.006 χ^2/NDF : 38930155.1/36

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.929 ± 0.186 χ^2/NDF : 55.4/19

Right Out: -0.795 ± 0.501 χ^2/NDF : 12.0/18

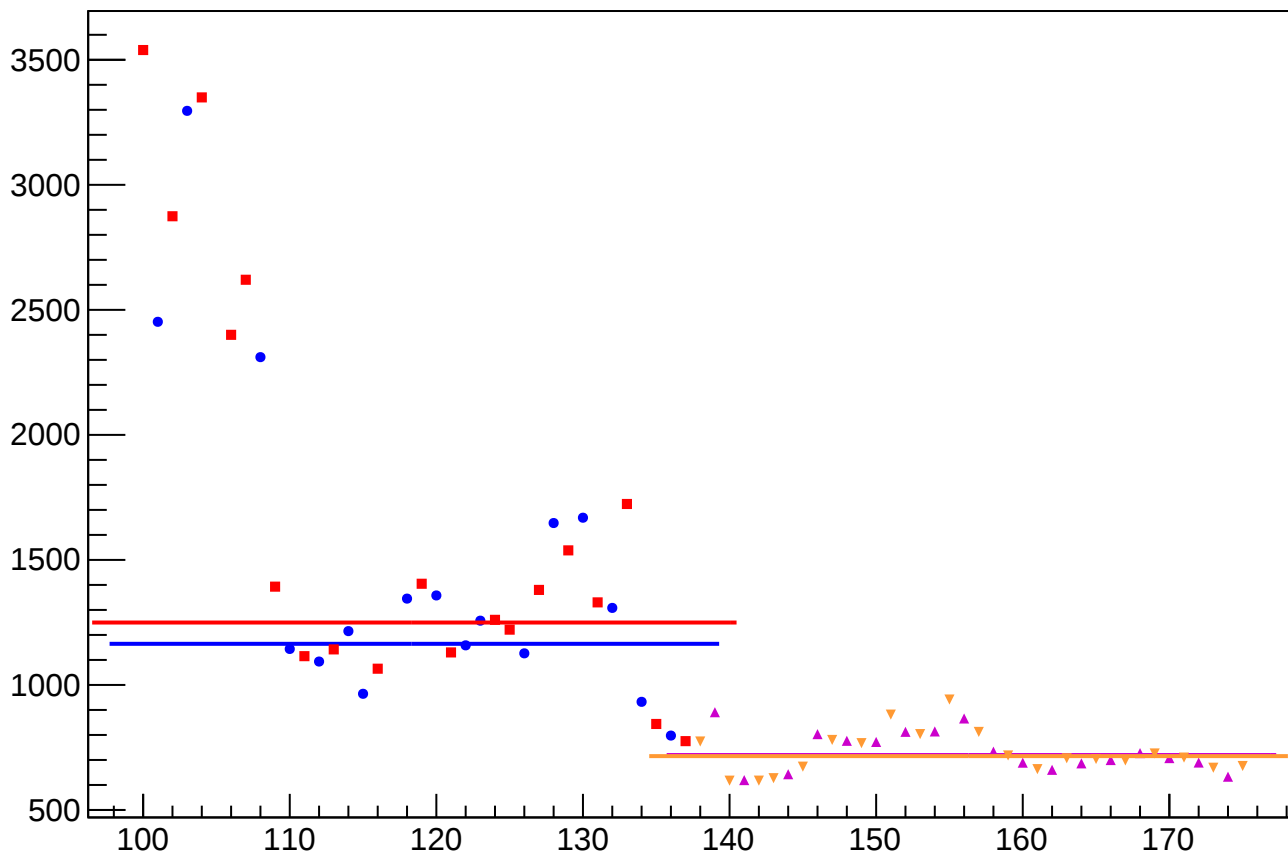
Left In: -0.094 ± 0.193 χ^2/NDF : 23.2/17

+ sign -0.897 ± 0.173 χ^2/NDF : 78.0/36

All: -0.555 ± 0.125 χ^2/NDF : 123.0/73

- sign -0.185 ± 0.180 χ^2/NDF : 36.9/36

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 715.353 $\pm$ 0.131 χ^2 /NDF: 332943.4/19

Right Out: 1249.596 $\pm$ 0.354 χ^2 /NDF: 1650133.1/18

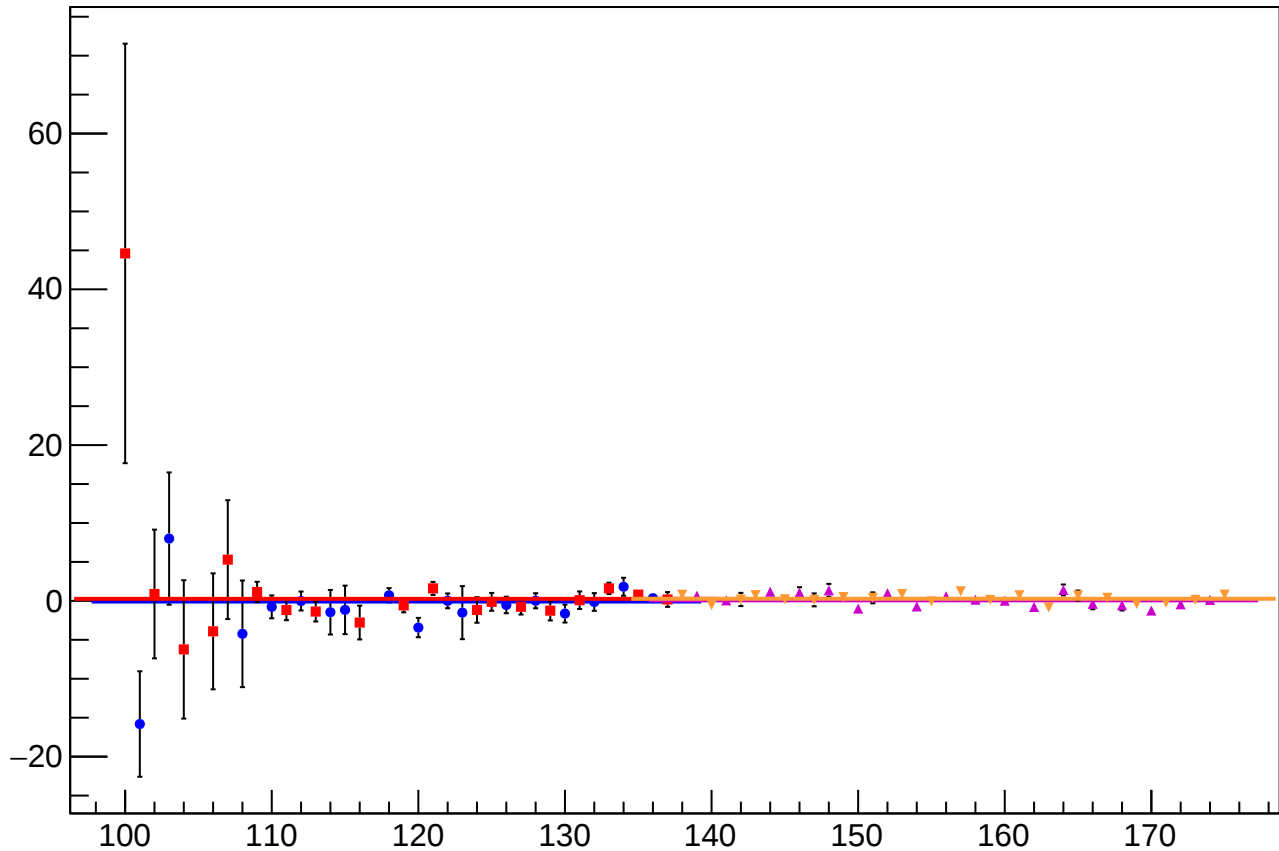
Left In: 719.749 $\pm$ 0.137 χ^2 /NDF: 297204.5/17

+ sign 772.942 $\pm$ 0.123 χ^2 /NDF: 3417504.8/36

All: 780.339 $\pm$ 0.088 χ^2 /NDF: 7317496.5/73

- sign 788.347 $\pm$ 0.128 χ^2 /NDF: 3892408.2/36

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 $\chi^2/\text{NDF}: 21.1/16$

Left Out: 0.271 ± 0.135 $\chi^2/\text{NDF}: 15.0/19$

Right Out: 0.259 ± 0.264 $\chi^2/\text{NDF}: 20.4/18$

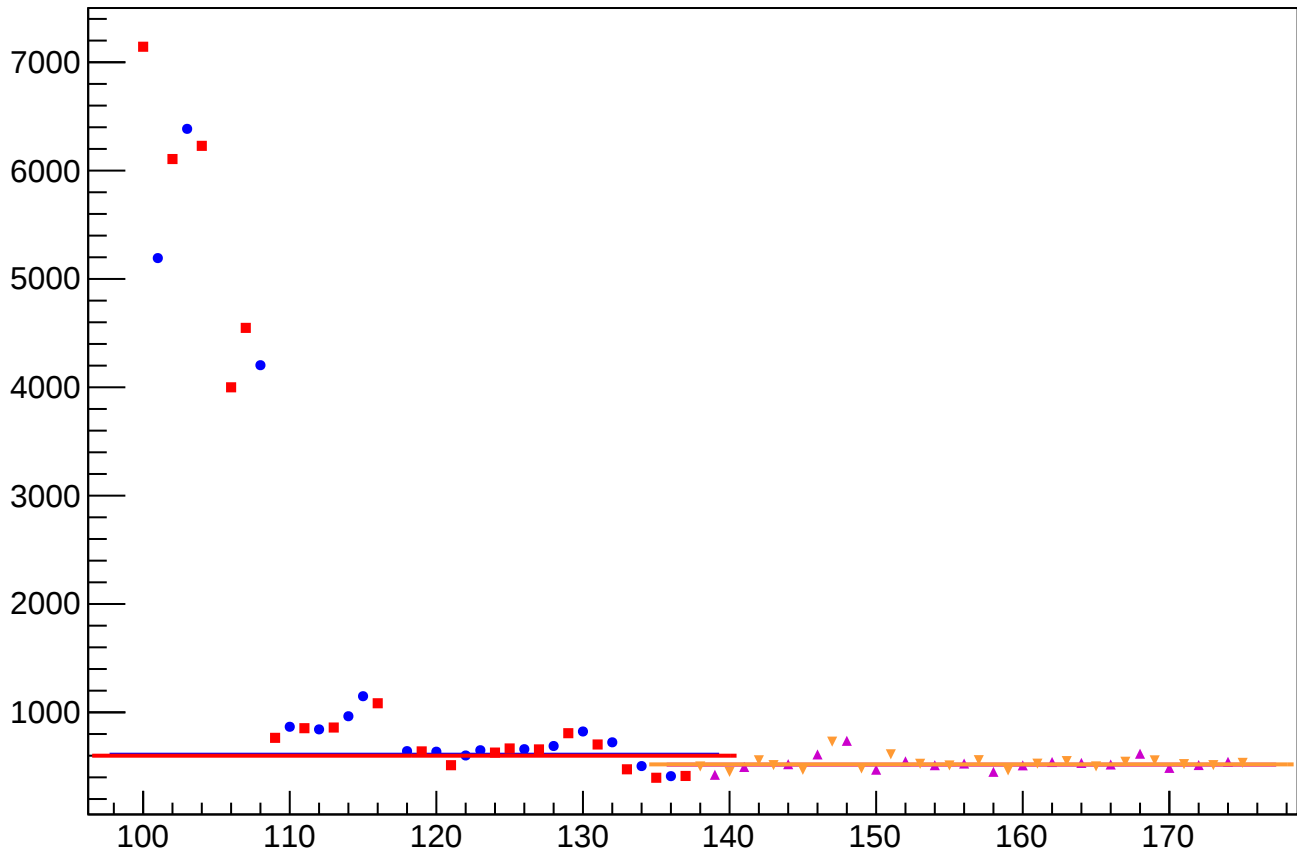
Left In: 0.067 ± 0.139 $\chi^2/\text{NDF}: 32.2/17$

+ sign 0.199 ± 0.121 $\chi^2/\text{NDF}: 37.4/36$

All: 0.155 ± 0.086 $\chi^2/\text{NDF}: 90.7/73$

- sign 0.109 ± 0.123 $\chi^2/\text{NDF}: 53.0/36$

diff_cav4cY_rms vs Slug



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 519.700 $\pm$ 0.095 χ^2 /NDF:283596.7/19

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

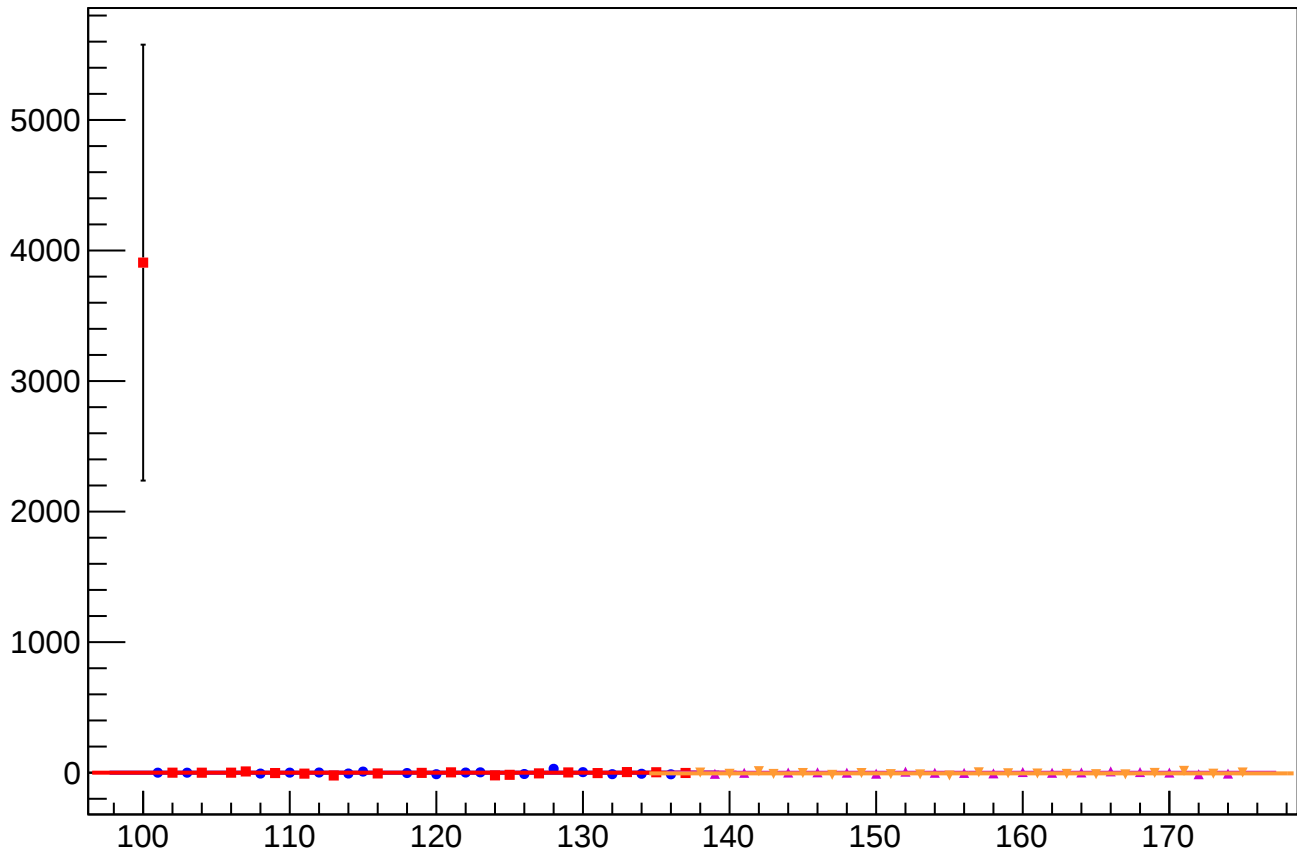
Left In: 517.201 $\pm$ 0.099 χ^2 /NDF:366312.6/17

+ sign 537.531 $\pm$ 0.085 χ^2 /NDF: 3597794.2/36

All: 536.383 $\pm$ 0.061 χ^2 /NDF: 7665303.5/73

- sign 535.186 $\pm$ 0.087 χ^2 /NDF: 4067139.7/36

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -5.341 ± 1.080 χ^2/NDF : 55.4/19

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.3/18

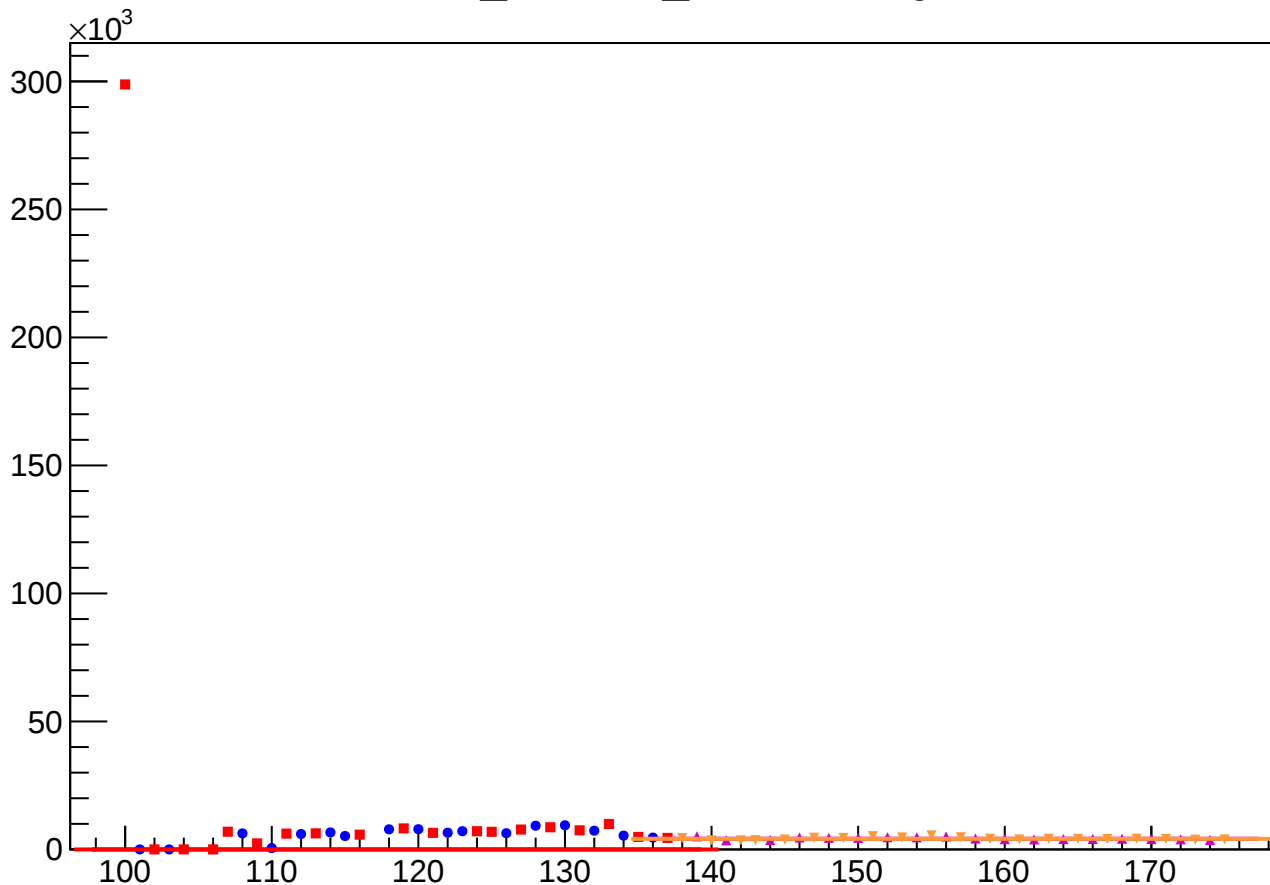
Left In: -0.587 ± 1.126 χ^2/NDF : 23.3/17

+ sign -0.024 ± 0.021 χ^2/NDF : 94.9/36

All: -0.025 ± 0.014 χ^2/NDF : 135.7/73

- sign -0.027 ± 0.020 χ^2/NDF : 40.8/36

diff_cav4dX_rms vs Slug



Right In: 17.337 ± 0.015 χ^2/NDF : 10359409.4/16

Left Out: 4157.671 ± 0.763 χ^2/NDF : 356711.7/19

Right Out: 17.268 ± 0.014 χ^2/NDF : 10813350.8/18

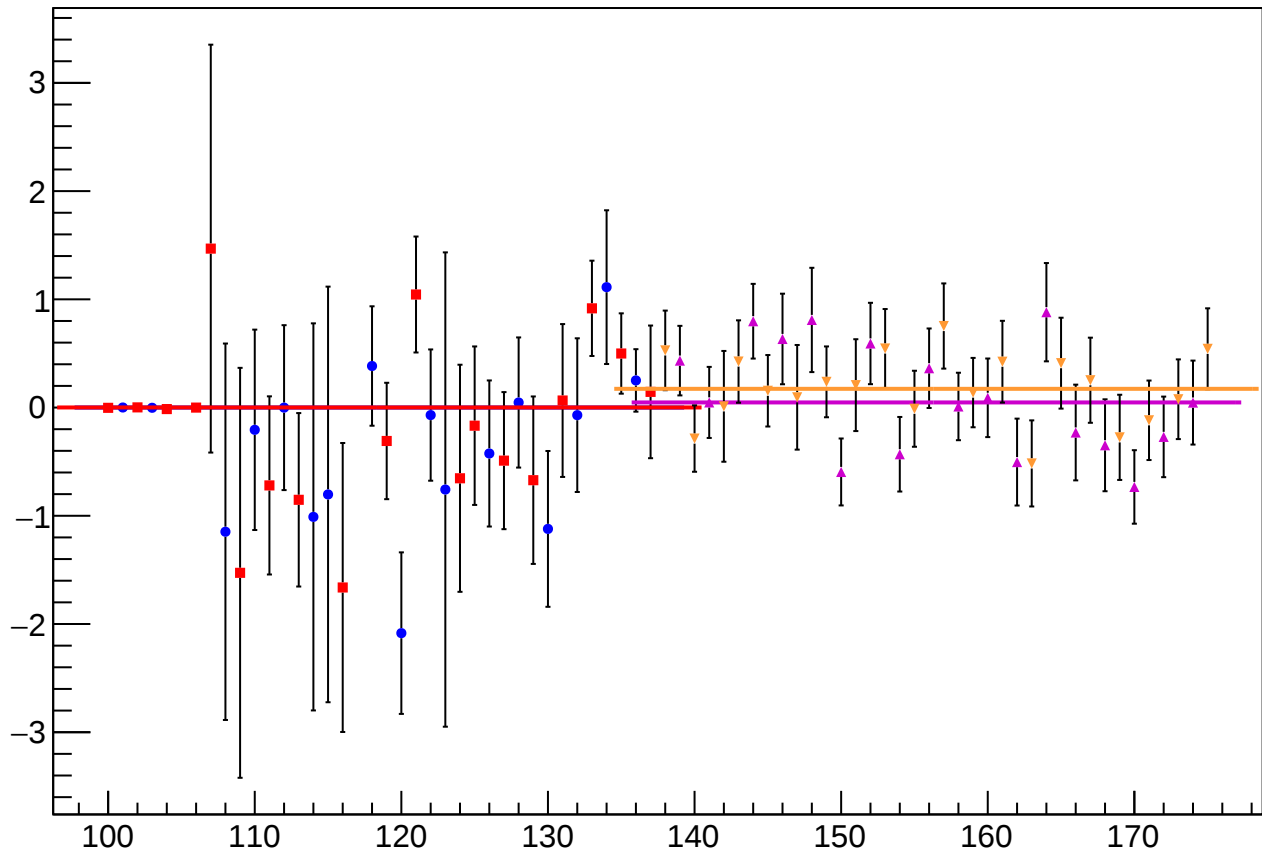
Left In: 4189.736 ± 0.796 χ^2/NDF : 309074.9/17

+ sign 18.872 ± 0.015 χ^2/NDF : 40118010.4/36

All: 18.706 ± 0.010 χ^2/NDF : 78715247.6/73

- sign 18.556 ± 0.014 χ^2/NDF : 38596994.2/36

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.173 ± 0.084 χ^2/NDF : 14.1/19

Right Out: 0.001 ± 0.002 χ^2/NDF : 17.8/18

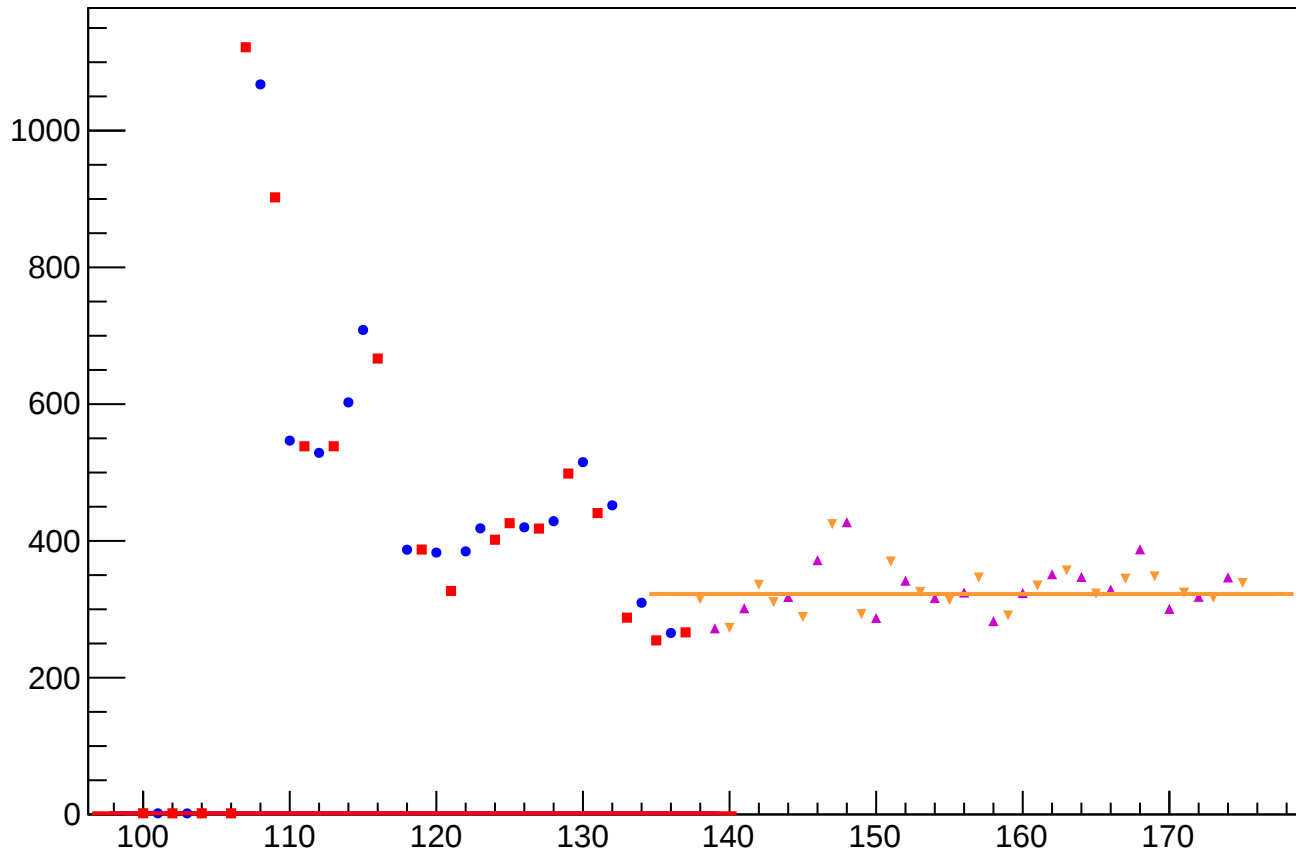
Left In: 0.047 ± 0.087 χ^2/NDF : 32.3/17

+ sign 0.000 ± 0.002 χ^2/NDF : 34.0/36

All: 0.001 ± 0.001 χ^2/NDF : 84.4/73

- sign 0.001 ± 0.002 χ^2/NDF : 50.4/36

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 322.459 $\pm$ 0.059 χ^2 /NDF: 272260.9/19

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

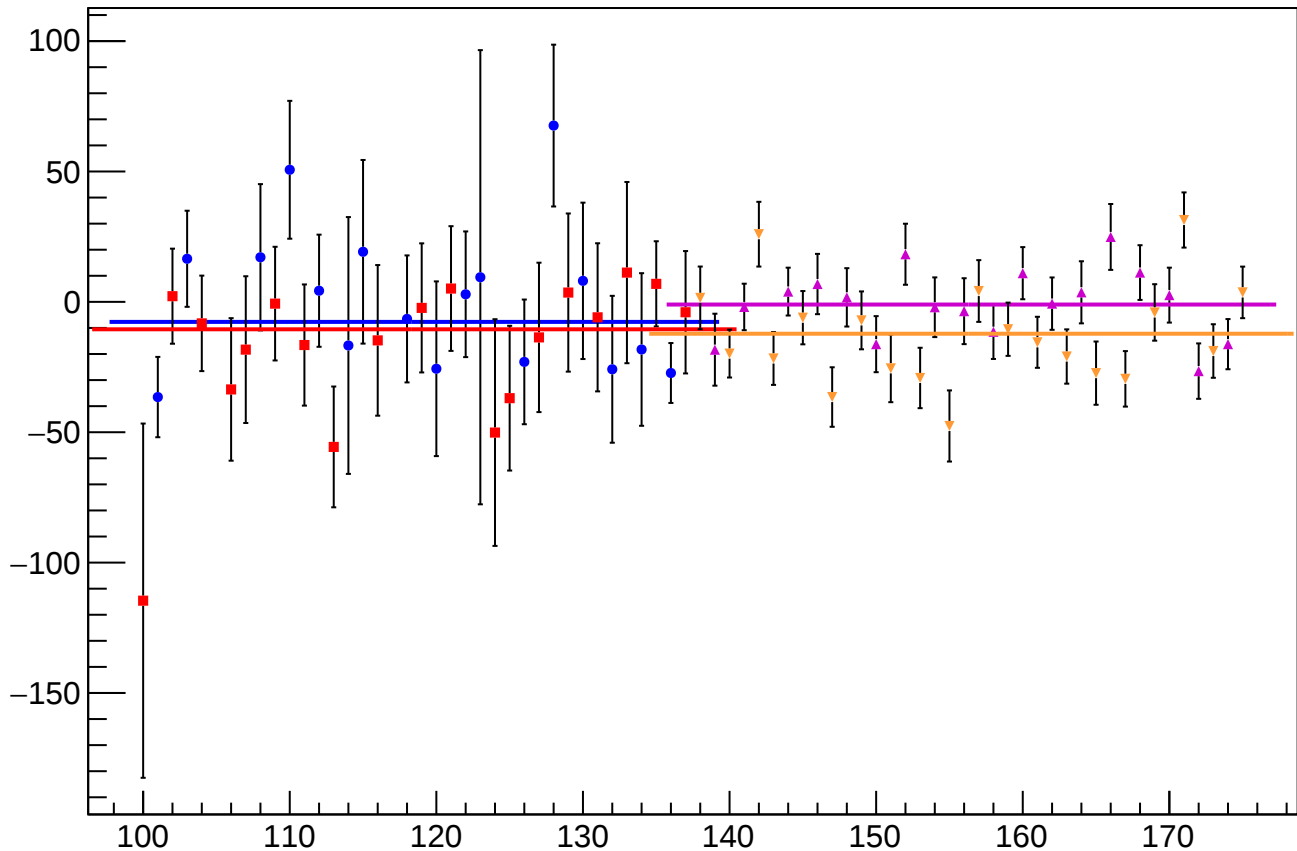
Left In: 322.362 $\pm$ 0.061 χ^2 /NDF: 324958.2/17

+ sign 1.886 $\pm$ 0.001 χ^2 /NDF: 40541307.6/36

All: 1.887 $\pm$ 0.001 χ^2 /NDF: 78904764.8/73

- sign 1.888 $\pm$ 0.001 χ^2 /NDF: 38363455.8/36

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -12.221 ± 2.437 χ^2/NDF : 54.9/19

Right Out: -10.524 ± 5.682 χ^2/NDF : 11.9/18

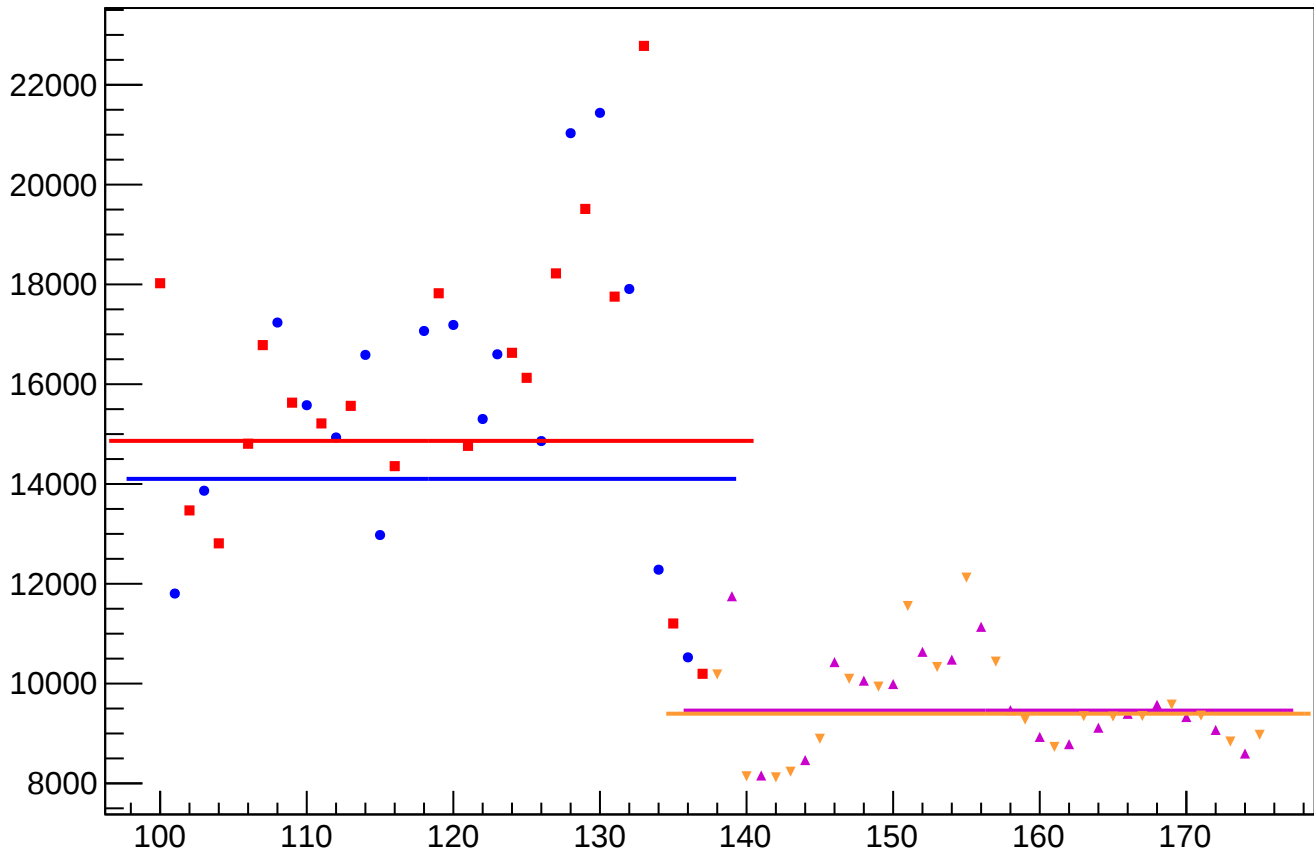
Left In: -1.029 ± 2.539 χ^2/NDF : 23.7/17

+ sign -11.504 ± 2.237 χ^2/NDF : 77.8/36

All: -7.215 ± 1.609 χ^2/NDF : 123.3/73

- sign -2.609 ± 2.318 χ^2/NDF : 37.9/36

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9396.603+/-1.723 χ^2/NDF : 294198.4/19

Right Out: 14864.163+/-4.018 χ^2/NDF : 470280.3/18

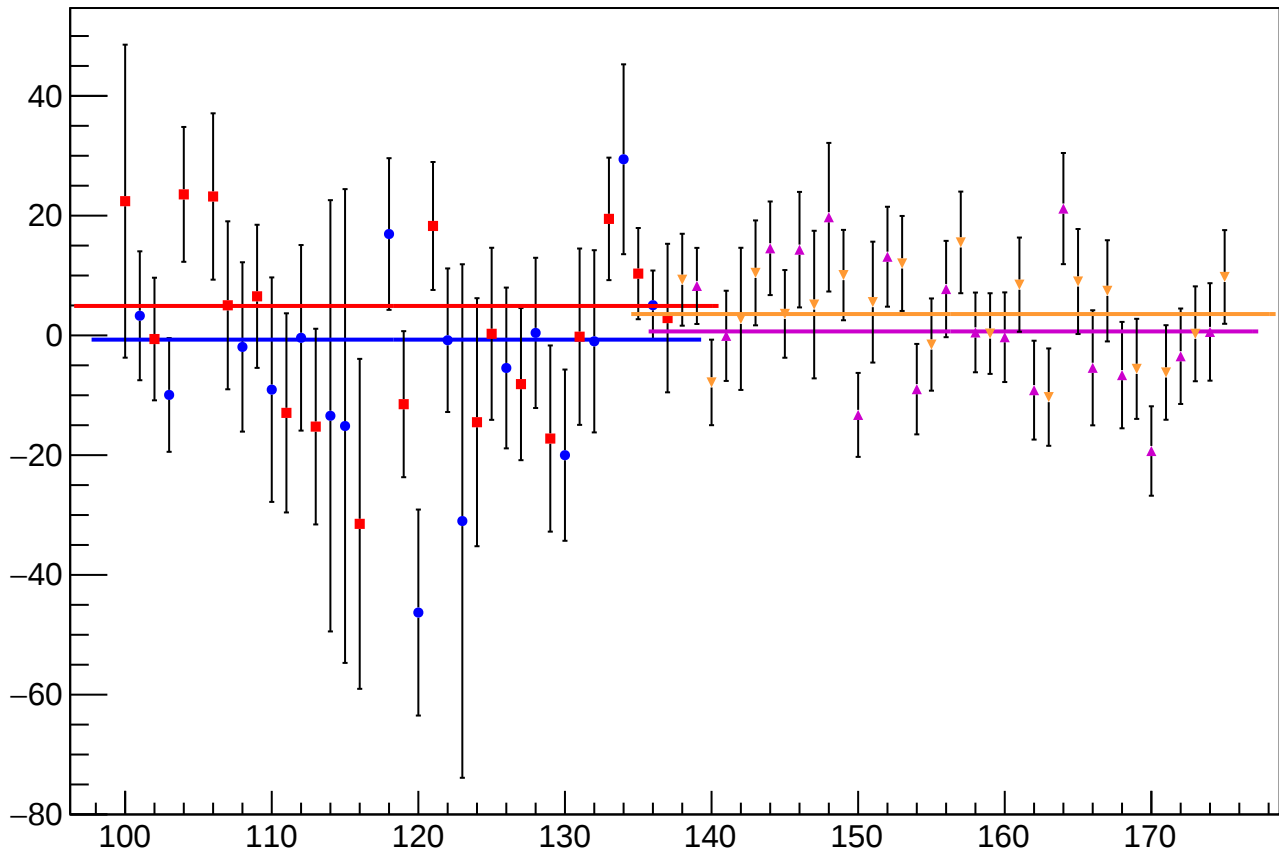
Left In: 9458.533+/-1.795 χ^2/NDF : 252778.6/17

+ sign 10139.990+/-1.581 χ^2/NDF : 2070904.3/36

All: 10245.066+/-1.138 χ^2/NDF : 4311988.3/7

- sign 10357.911+/-1.639 χ^2/NDF : 2231928.6/36

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 3.565 ± 1.829 χ^2/NDF : 15.8/19

Right Out: 4.918 ± 2.940 χ^2/NDF : 19.8/18

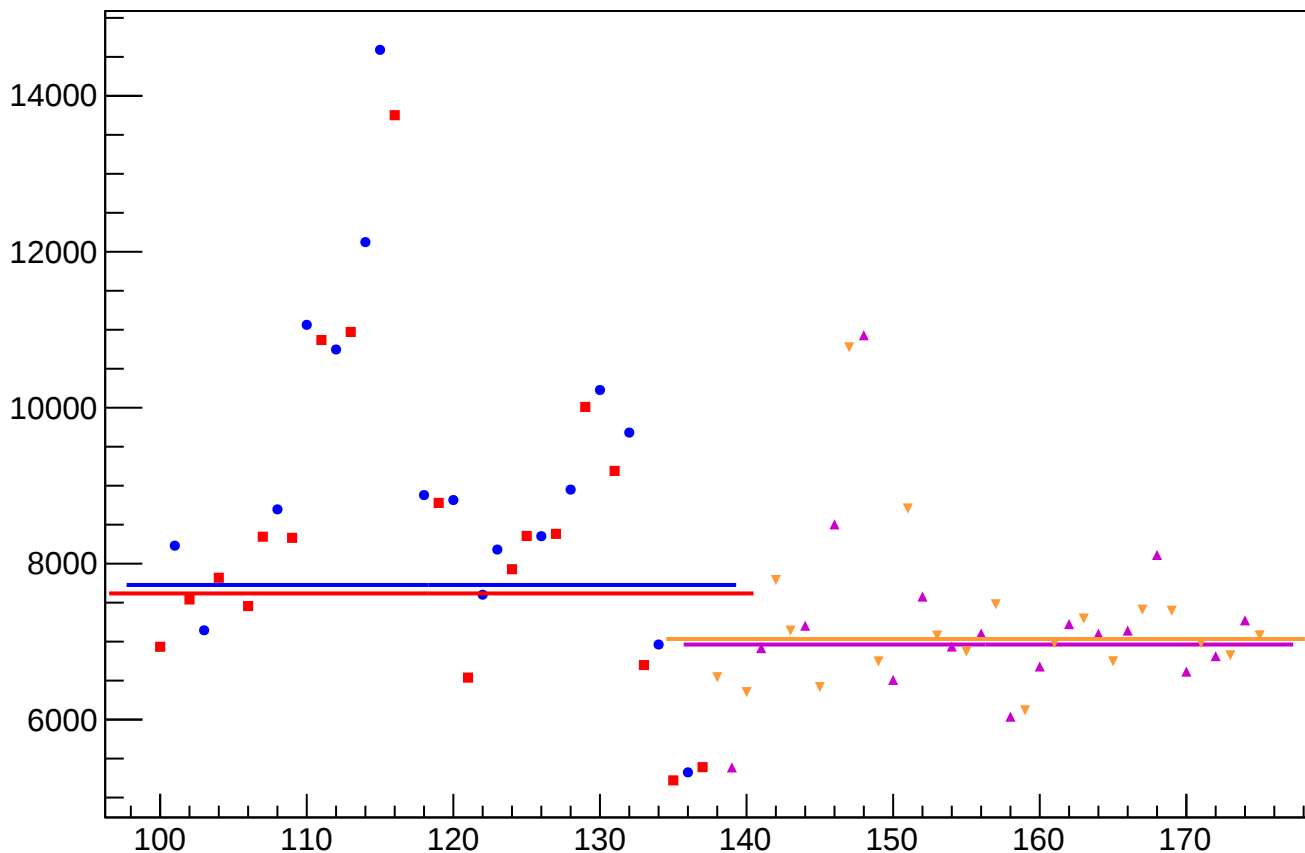
Left In: 0.662 ± 1.881 χ^2/NDF : 32.4/17

+ sign 2.453 ± 1.573 χ^2/NDF : 34.7/36

All: 2.178 ± 1.116 χ^2/NDF : 88.4/73

- sign 1.898 ± 1.584 χ^2/NDF : 53.6/36

diff_bpm4aY_rms vs Slug



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 7033.610+/-1.293 χ^2/NDF : 348122.0/19

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

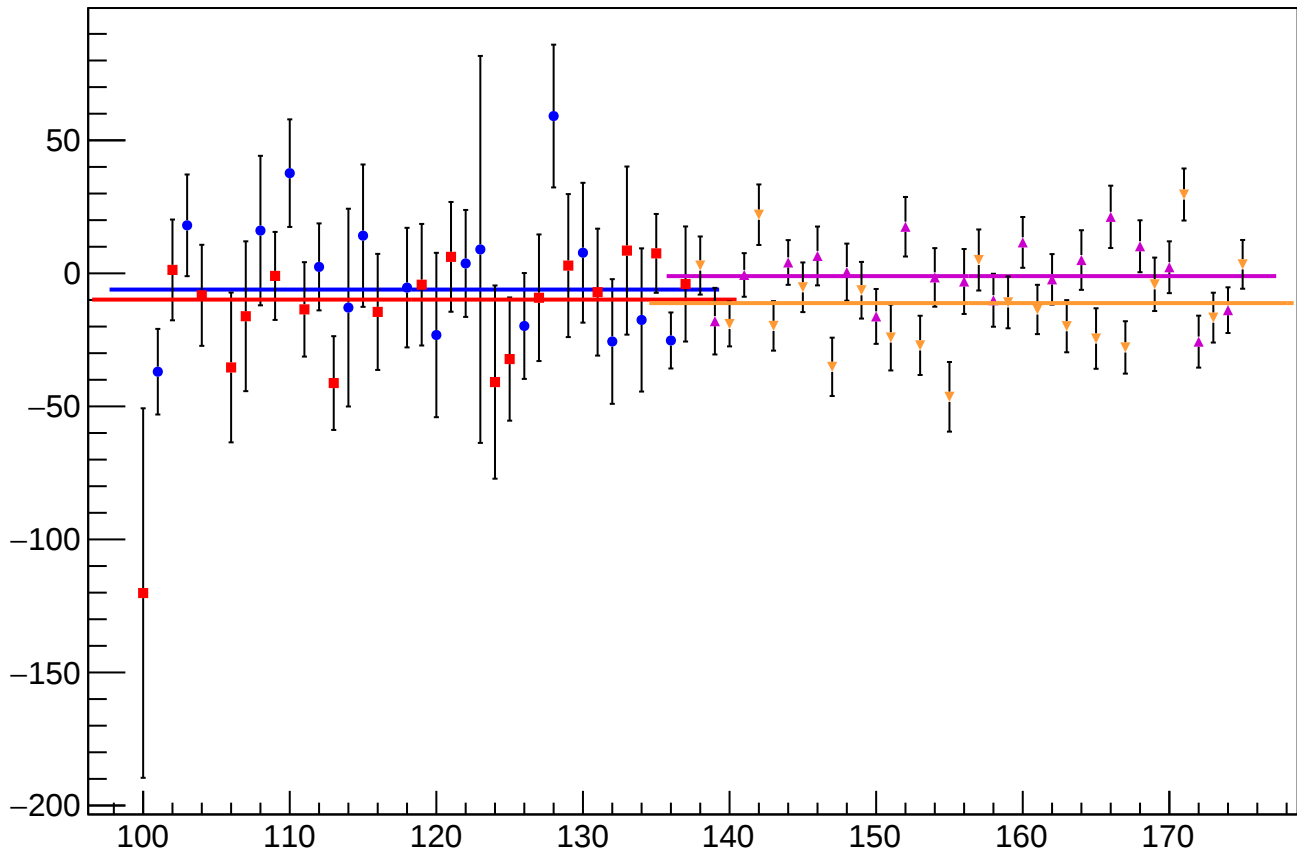
Left In: 6962.586+/-1.330 χ^2/NDF : 486290.8/17

+ sign 7214.015+/-1.112 χ^2/NDF : 1165390.6/36

All: 7183.753+/-0.789 χ^2/NDF : 2398883.8/73

- sign 7153.054+/-1.120 χ^2/NDF : 1232002.2/36

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -11.182 ± 2.278 χ^2/NDF : 55.5/19

Right Out: -9.864 ± 5.004 χ^2/NDF : 11.6/18

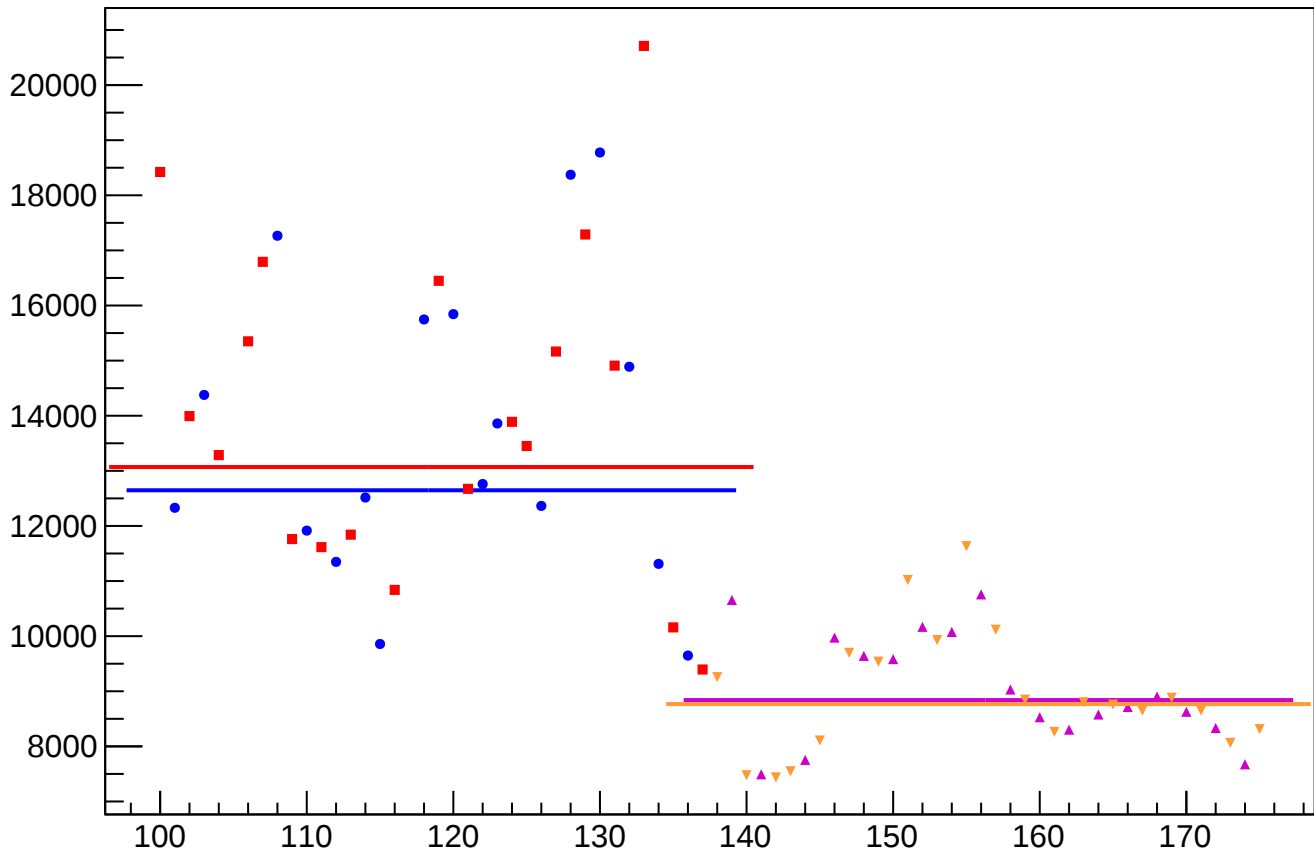
Left In: -1.038 ± 2.376 χ^2/NDF : 24.2/17

+ sign -10.317 ± 2.075 χ^2/NDF : 79.3/36

All: -6.618 ± 1.492 χ^2/NDF : 124.2/73

- sign -2.662 ± 2.146 χ^2/NDF : 38.4/36

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8767.546+/-1.611 χ^2/NDF : 382329.5/19

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

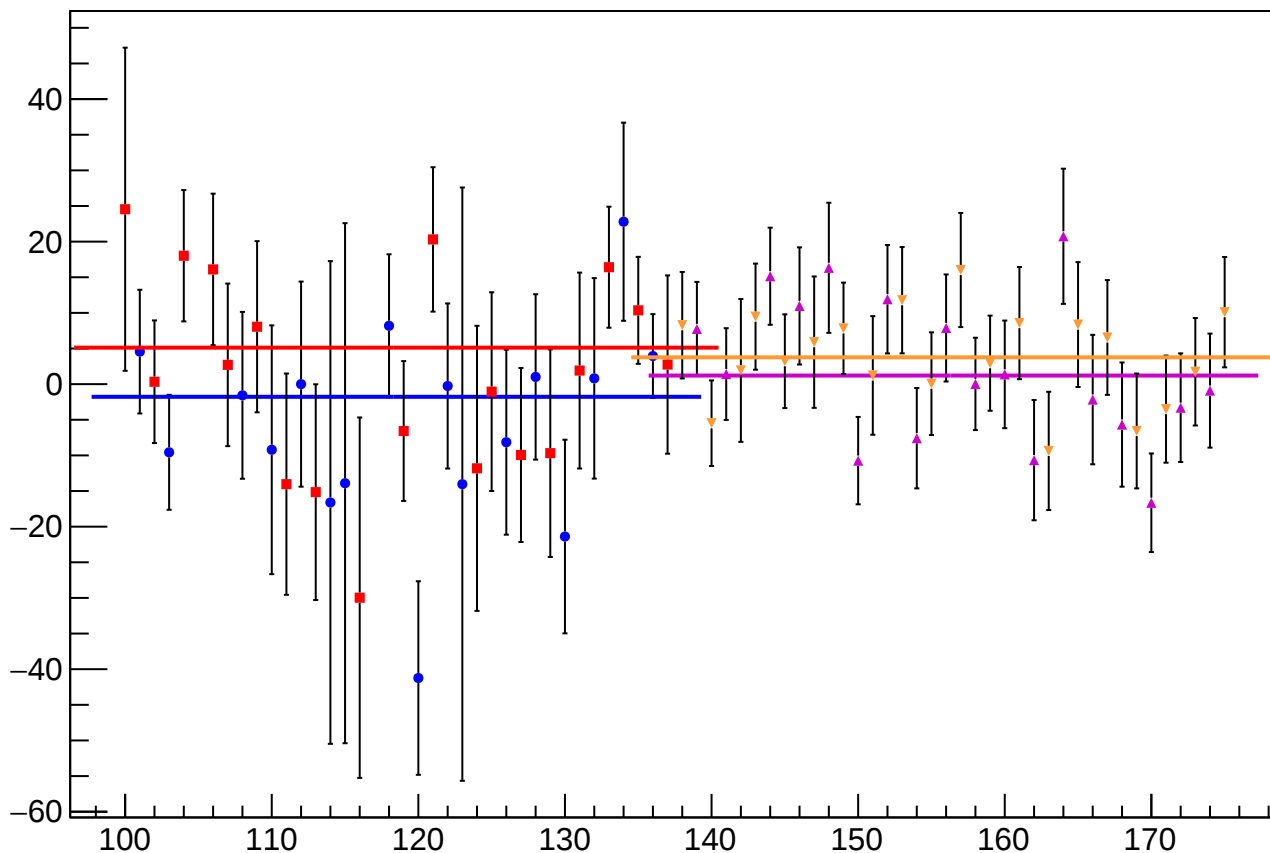
Left In: 8840.191+/-1.680 χ^2/NDF : 328867.7/17

+ sign 9426.941+/-1.467 χ^2/NDF : 1922826.1/36

All: 9519.426+/-1.055 χ^2/NDF : 3922490.0/73

- sign 9618.338+/-1.518 χ^2/NDF : 1991443.0/36

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 3.764 ± 1.693 χ^2/NDF : 14.3/19

Right Out: 5.122 ± 2.642 χ^2/NDF : 18.9/18

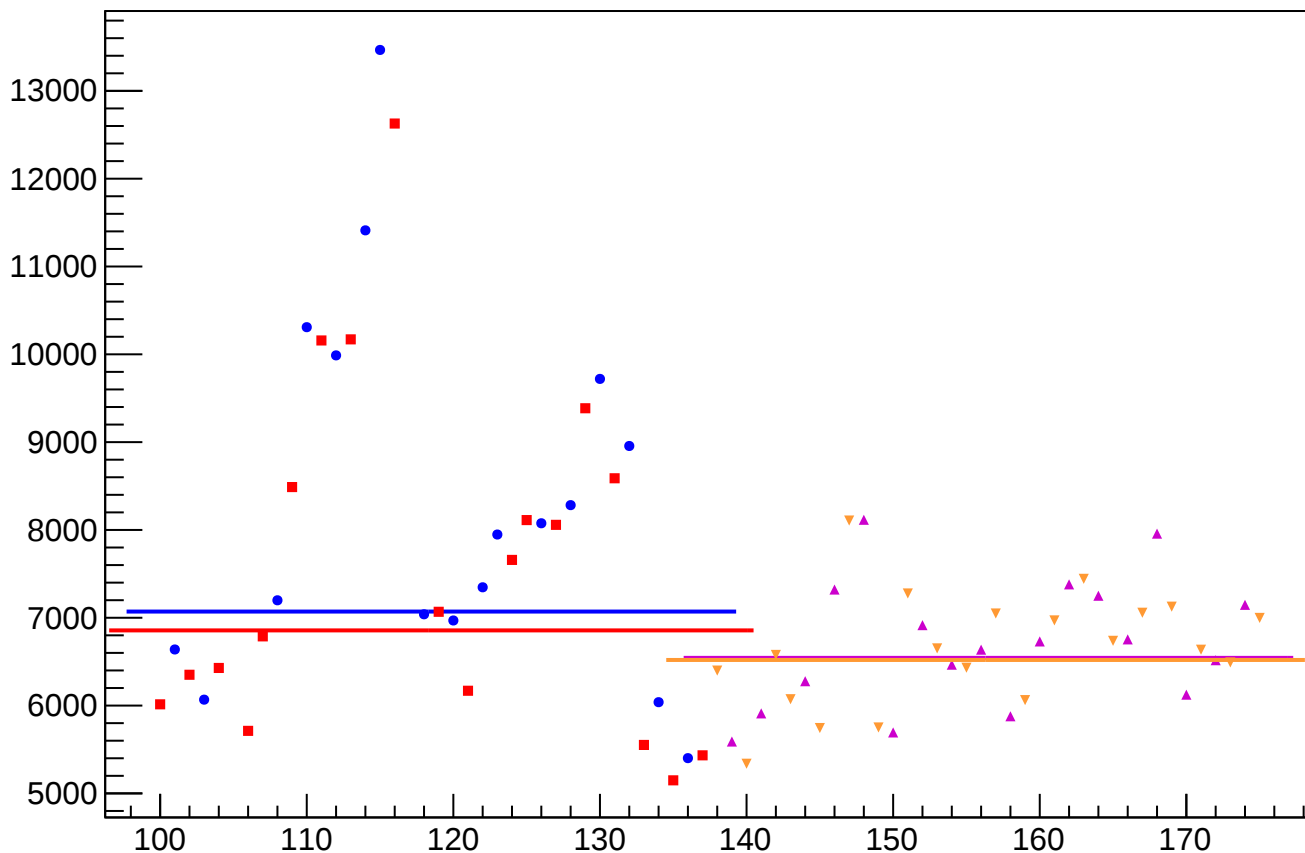
Left In: 1.206 ± 1.760 χ^2/NDF : 31.5/17

+ sign 2.285 ± 1.449 χ^2/NDF : 35.1/36

All: 2.347 ± 1.030 χ^2/NDF : 87.1/73

- sign 2.410 ± 1.465 χ^2/NDF : 52.0/36

diff_bpm4eY_rms vs Slug



Right In: 7070.672 ± 1.984 χ^2/NDF : 601692.5/16

Left Out: 6519.494 ± 1.197 χ^2/NDF : 297641.5/19

Right Out: 6856.136 ± 1.868 χ^2/NDF : 682220.3/18

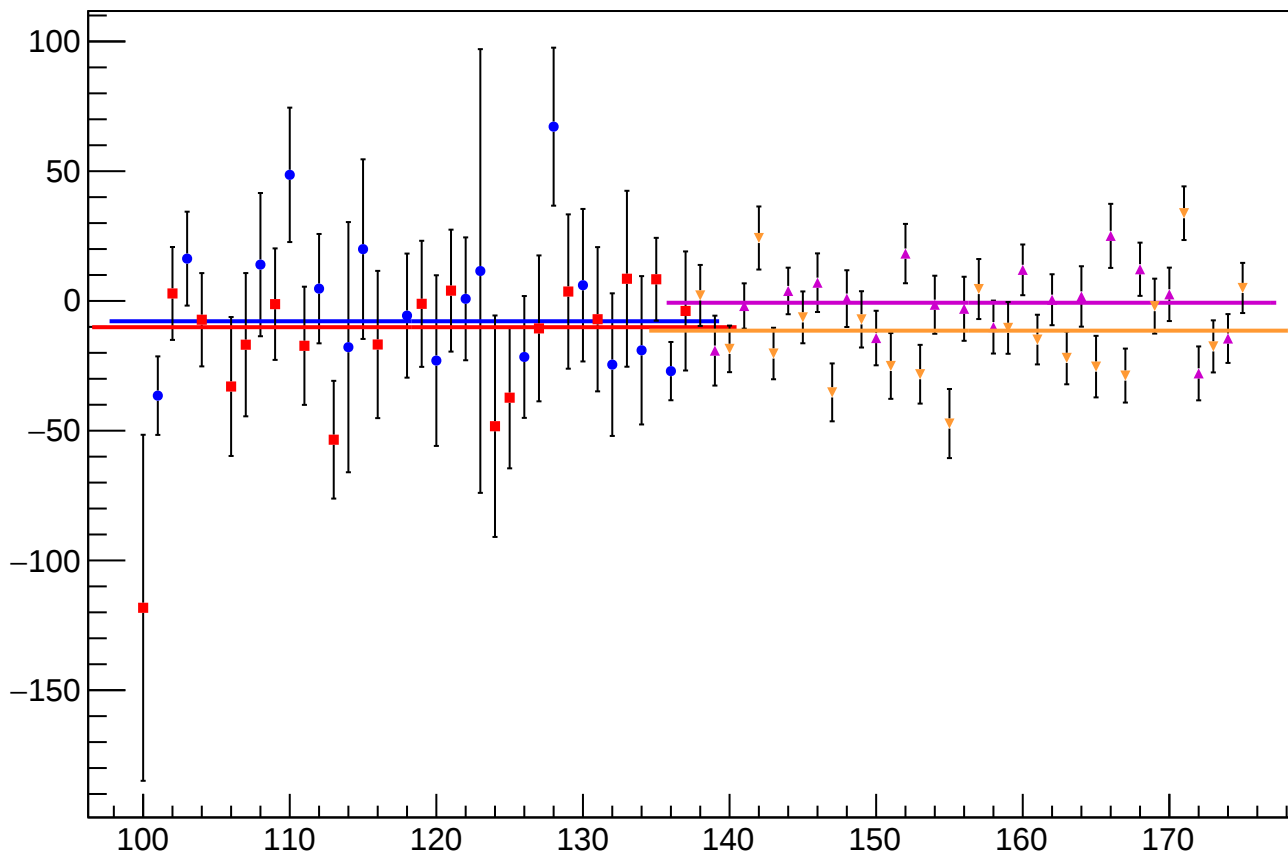
Left In: 6543.319 ± 1.245 χ^2/NDF : 310641.5/17

+ sign 6666.572 ± 1.025 χ^2/NDF : 955910.5/36

All: 6653.174 ± 0.729 χ^2/NDF : 1968537.6/73

- sign 6639.490 ± 1.036 χ^2/NDF : 1012281.7/36

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -11.449 ± 2.383 χ^2/NDF : 57.4/19

Right Out: -10.117 ± 5.571 χ^2/NDF : 12.2/18

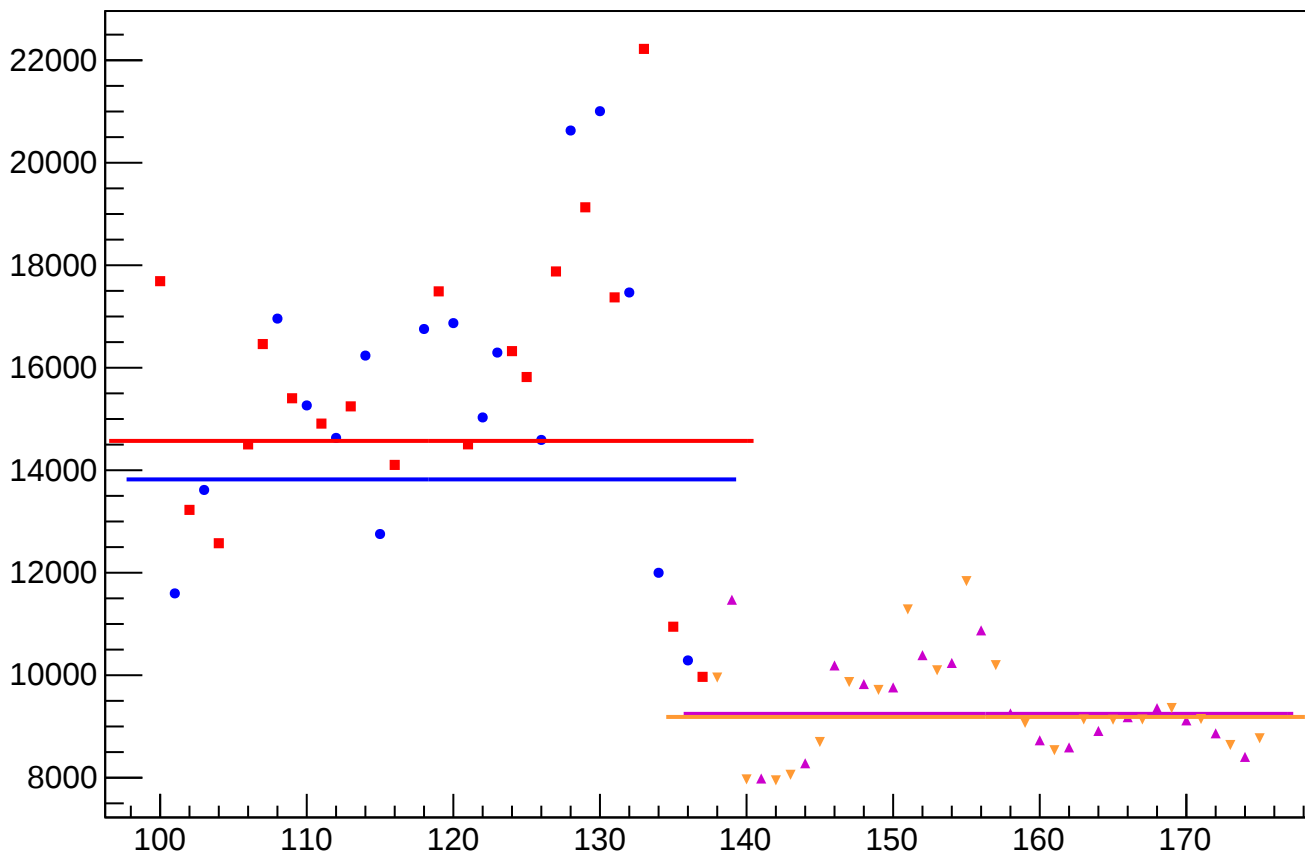
Left In: -0.699 ± 2.481 χ^2/NDF : 24.7/17

+ sign -10.879 ± 2.187 χ^2/NDF : 80.0/36

All: -6.722 ± 1.574 χ^2/NDF : 126.8/73

- sign -2.258 ± 2.267 χ^2/NDF : 39.3/36

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9186.118+/-1.685 χ^2/NDF : 291082.6/19

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

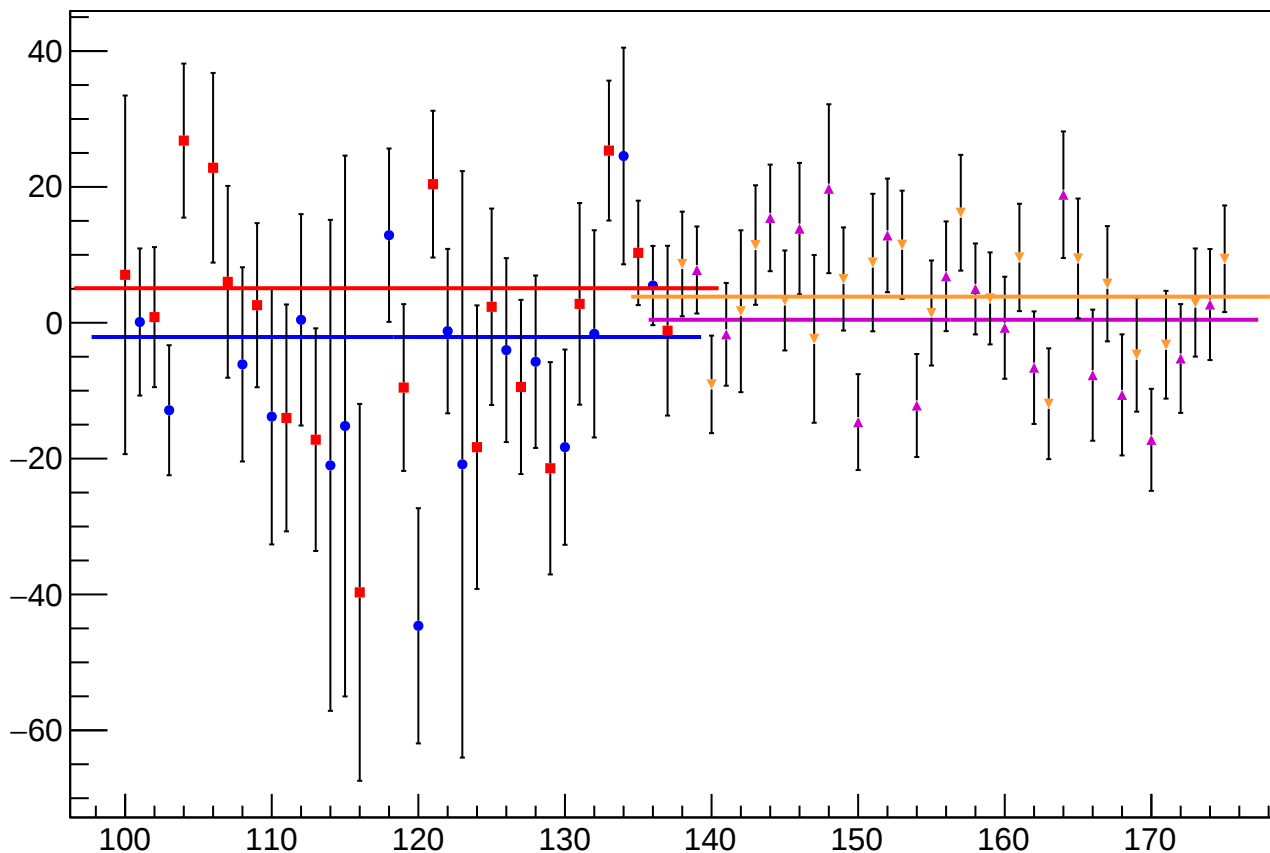
Left In: 9246.134+/-1.755 χ^2/NDF : 249963.7/17

+ sign 9914.939+/-1.547 χ^2/NDF : 2084003.3/36

All: 10017.584+/-1.113 χ^2/NDF : 4341019.8/7

- sign 10127.826+/-1.603 χ^2/NDF : 2247880.7/36

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 3.840 ± 1.837 χ^2/NDF : 15.2/19

Right Out: 5.085 ± 2.962 χ^2/NDF : 24.8/18

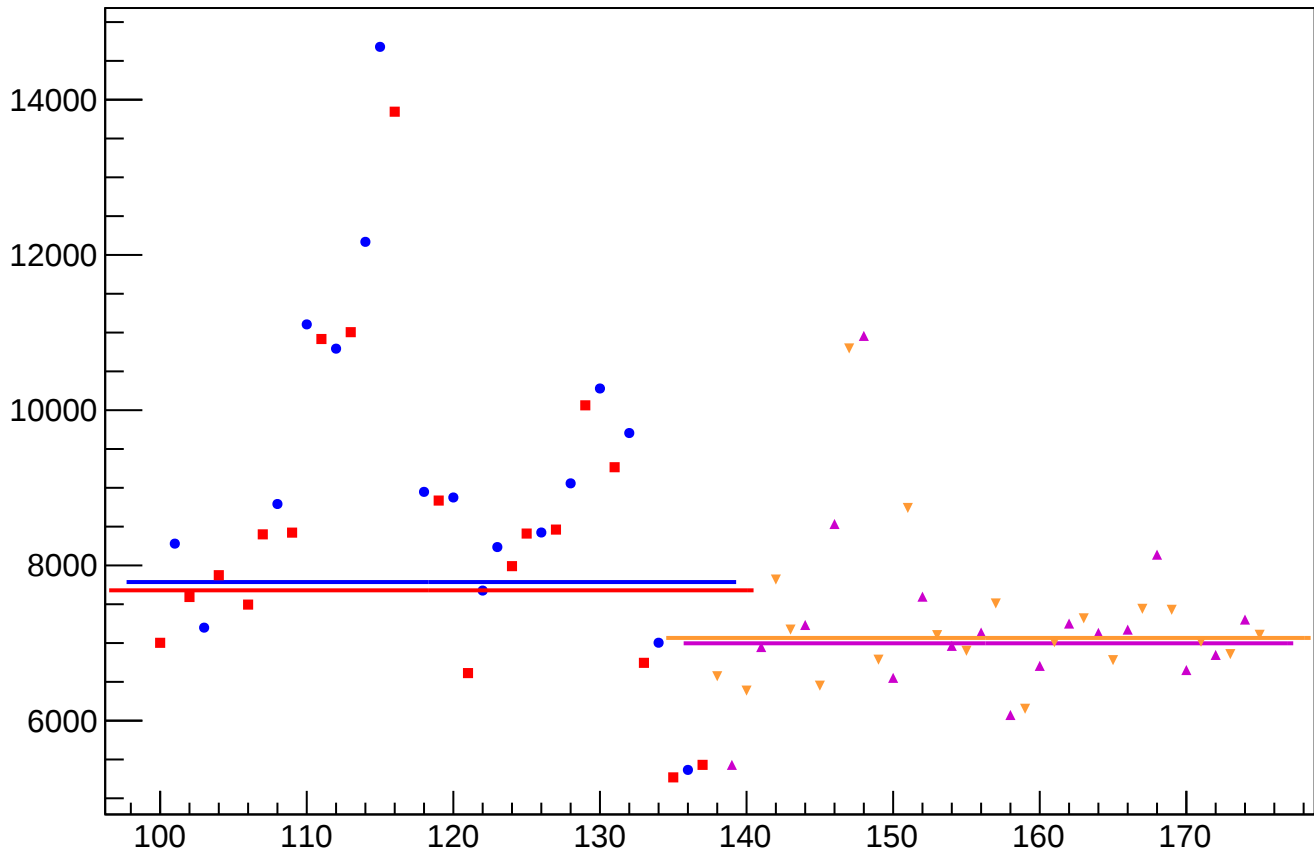
Left In: 0.443 ± 1.890 χ^2/NDF : 33.0/17

+ sign 2.302 ± 1.581 χ^2/NDF : 33.6/36

All: 2.045 ± 1.122 χ^2/NDF : 93.2/73

- sign 1.785 ± 1.593 χ^2/NDF : 59.5/36

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7065.915+/-1.299 χ^2/NDF : 344157.9/19

Right Out: 7679.182+/-2.095 χ^2/NDF : 668736.8/18

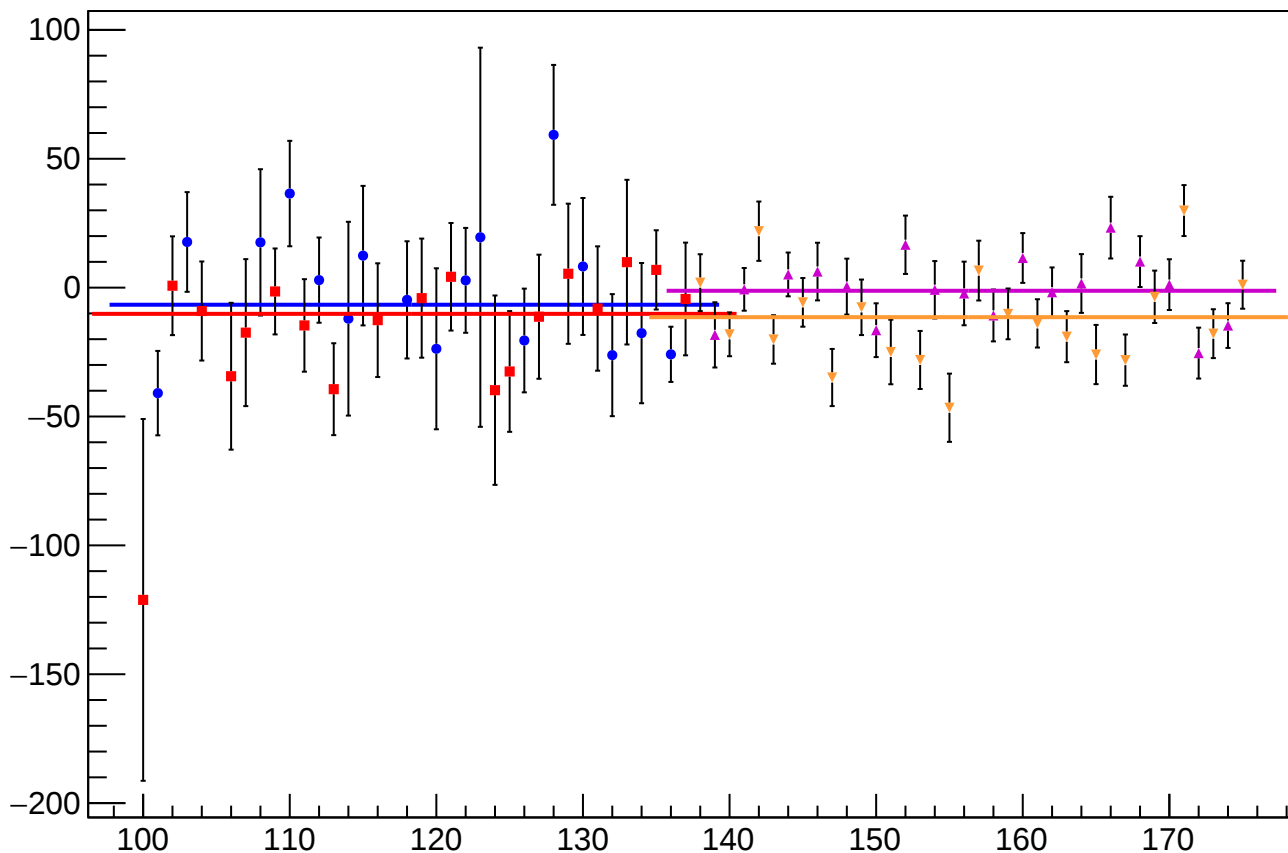
Left In: 6996.731+/-1.336 χ^2/NDF : 478141.0/17

+ sign 7252.488+/-1.118 χ^2/NDF : 1161862.0/36

All: 7223.537+/-0.794 χ^2/NDF : 2385537.6/73

- sign 7194.150+/-1.127 χ^2/NDF : 1222324.8/36

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -11.458 ± 2.304 χ^2/NDF : 54.6/19

Right Out: -10.172 ± 5.075 χ^2/NDF : 10.8/18

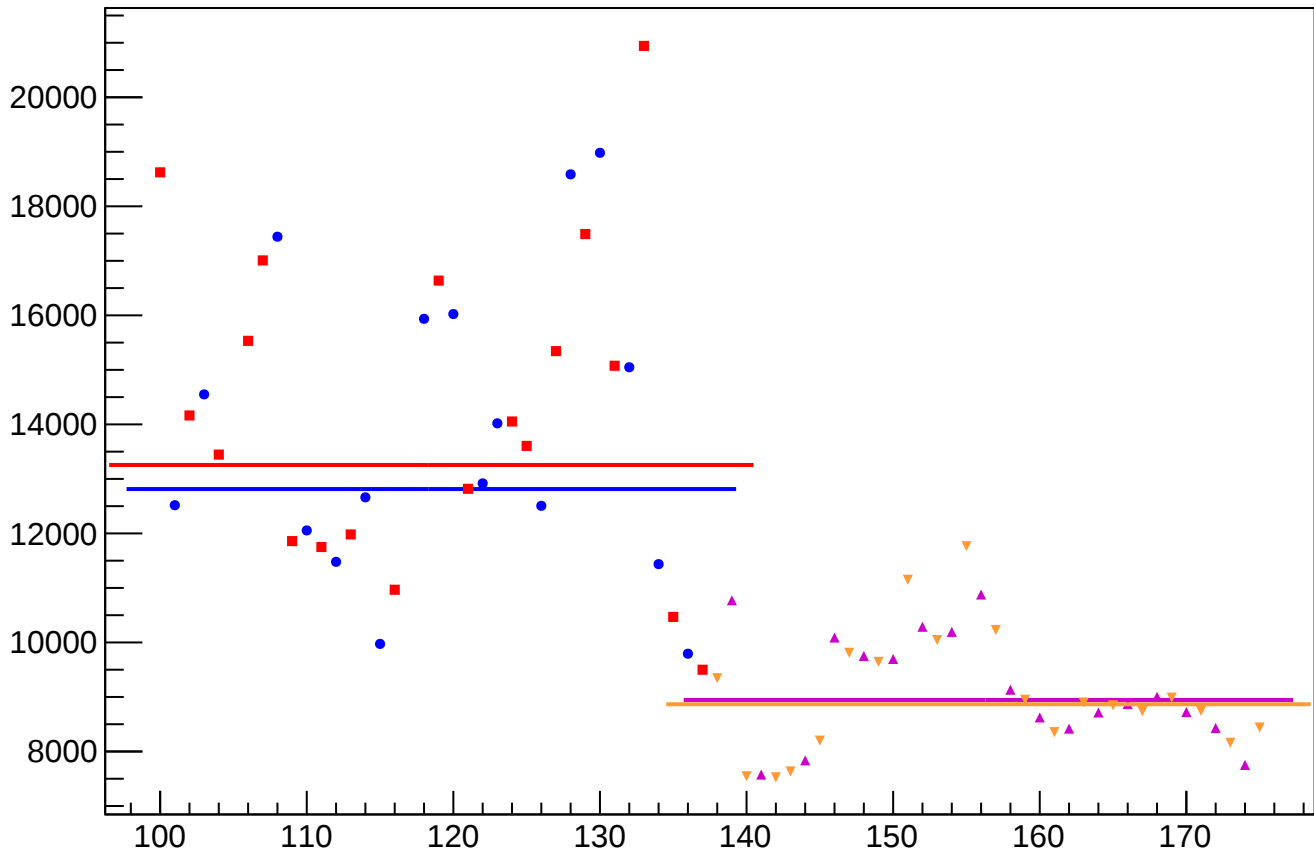
Left In: -1.219 ± 2.404 χ^2/NDF : 24.2/17

+ sign -10.641 ± 2.099 χ^2/NDF : 78.7/36

All: -6.884 ± 1.510 χ^2/NDF : 122.9/73

- sign -2.860 ± 2.173 χ^2/NDF : 37.5/36

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8866.346+/-1.629 χ^2/NDF : 382873.0/19

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

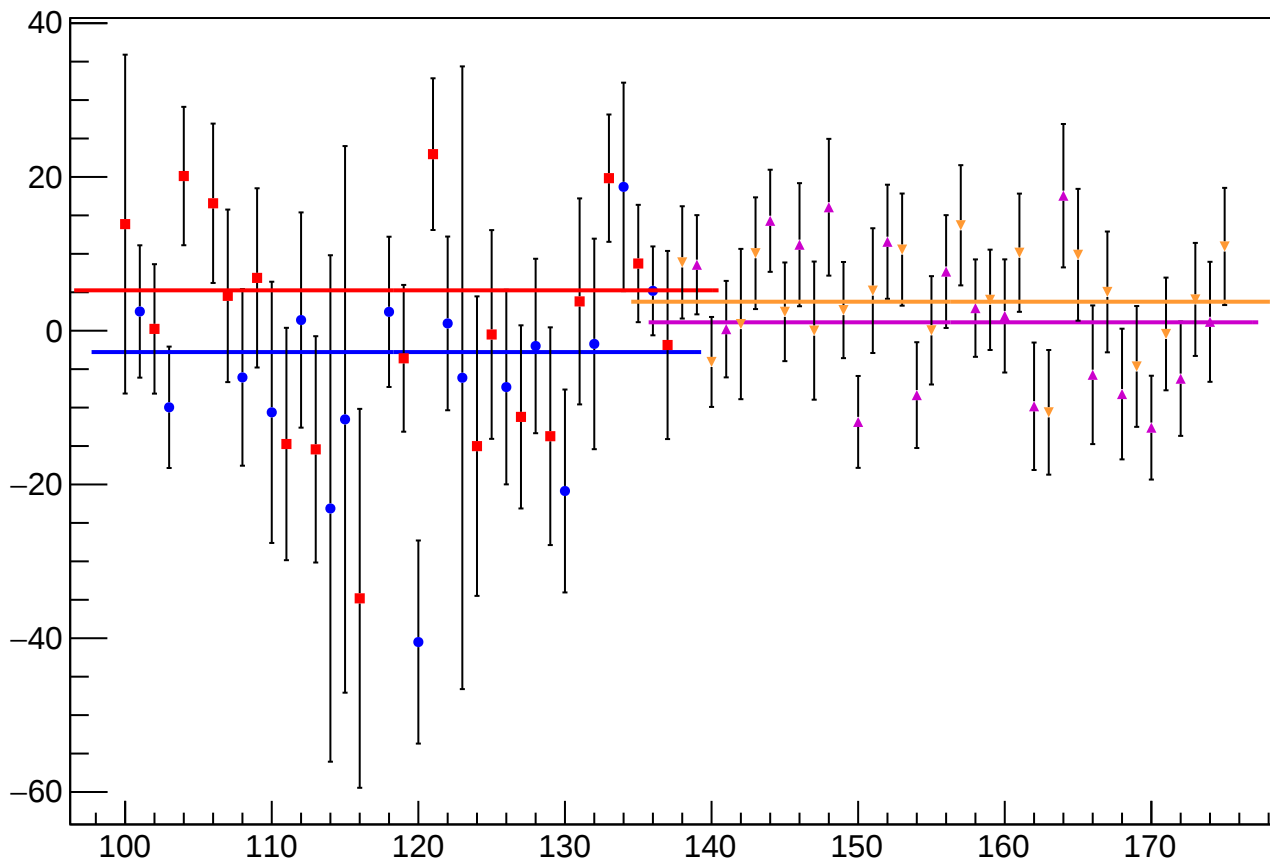
Left In: 8945.049+/-1.700 χ^2/NDF : 329240.4/17

+ sign 9534.902+/-1.485 χ^2/NDF : 1925695.6/36

All: 9631.665+/-1.068 χ^2/NDF : 3926417.3/73

- sign 9735.321+/-1.536 χ^2/NDF : 1991921.7/36

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.772 ± 1.653 χ^2/NDF : 12.9/19

Right Out: 5.252 ± 2.590 χ^2/NDF : 23.5/18

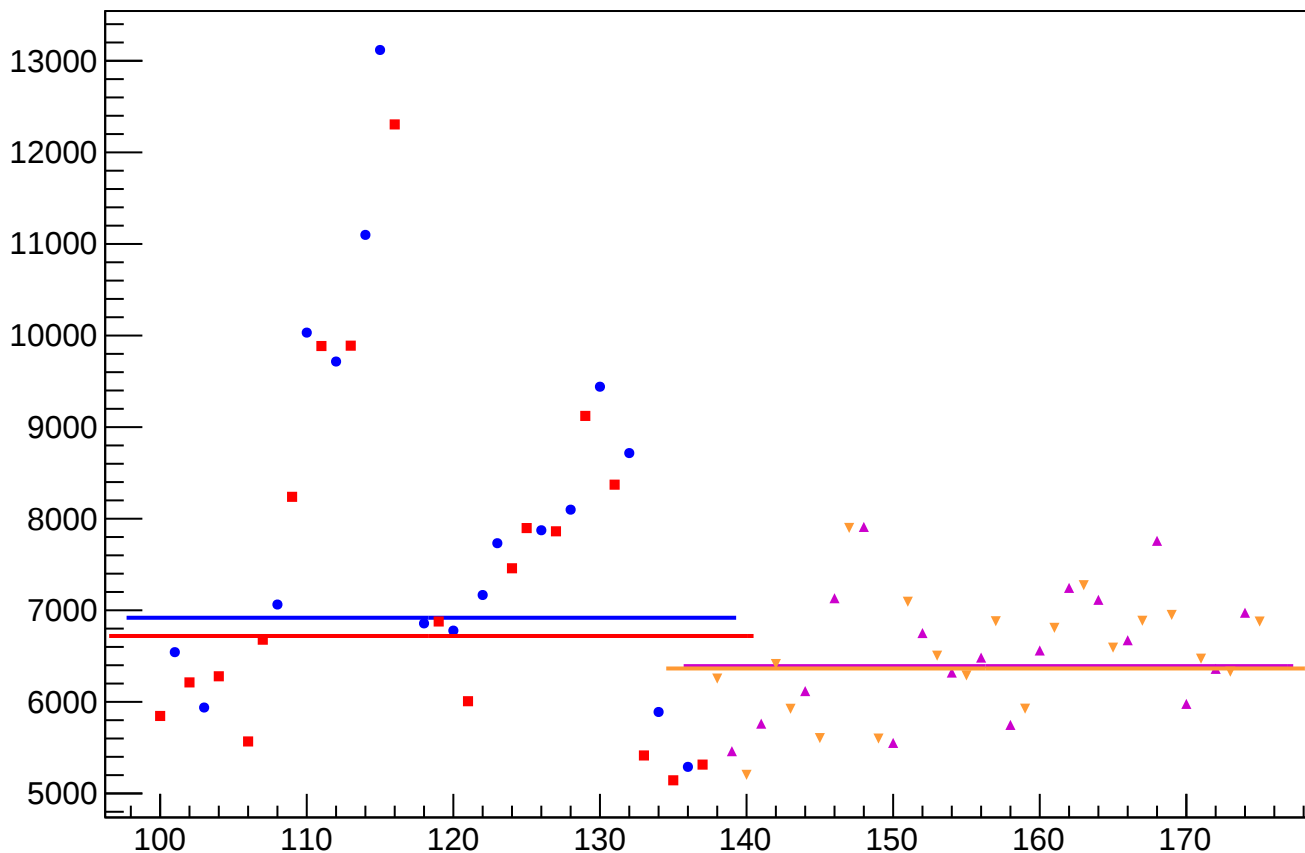
Left In: 1.093 ± 1.720 χ^2/NDF : 31.0/17

+ sign 2.031 ± 1.416 χ^2/NDF : 34.1/36

All: 2.197 ± 1.007 χ^2/NDF : 90.4/73

- sign 2.366 ± 1.433 χ^2/NDF : 56.3/36

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6364.551+/-1.169 χ^2/NDF : 300473.4/19

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

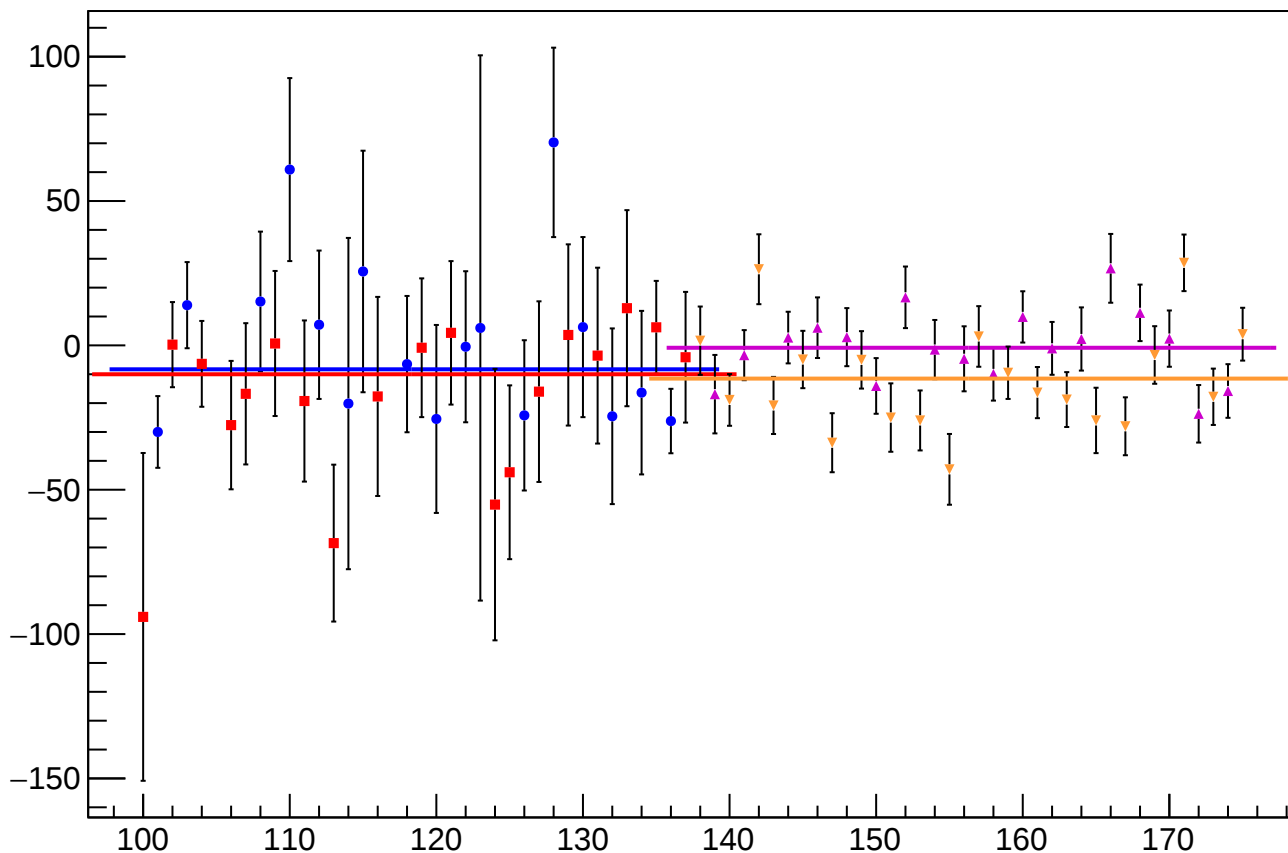
Left In: 6390.423+/-1.216 χ^2/NDF : 312390.4/17

+ sign 6511.793+/-1.001 χ^2/NDF : 948170.3/36

All: 6501.566+/-0.712 χ^2/NDF : 1937002.8/73

- sign 6491.102+/-1.013 χ^2/NDF : 988621.5/36

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -11.506 ± 2.263 χ^2/NDF : 55.9/19

Right Out: -10.007 ± 5.513 χ^2/NDF : 12.9/18

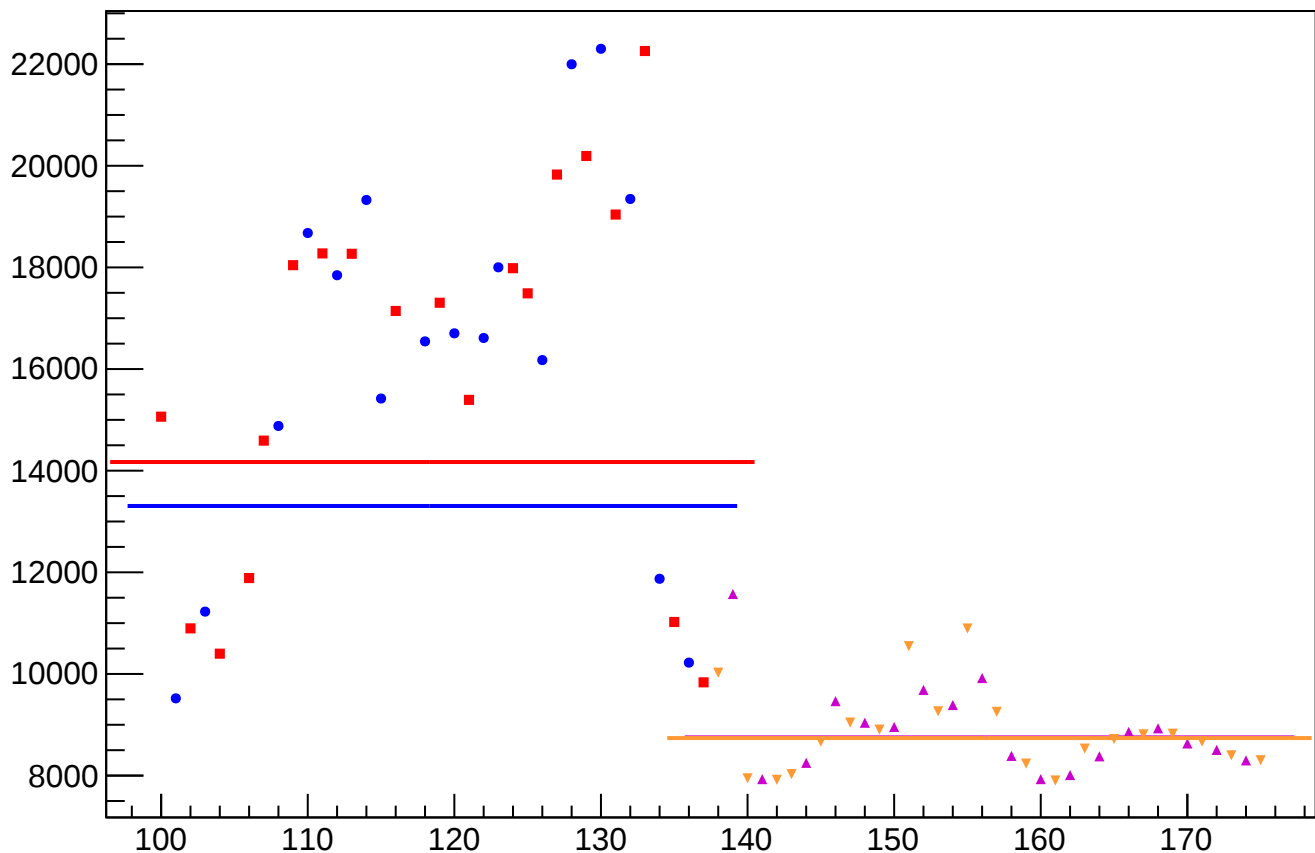
Left In: -0.831 ± 2.347 χ^2/NDF : 24.2/17

+ sign -11.026 ± 2.088 χ^2/NDF : 77.9/36

All: -6.781 ± 1.501 χ^2/NDF : 125.9/73

- sign -2.239 ± 2.160 χ^2/NDF : 39.5/36

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8738.604+/-1.600 χ^2/NDF : 211882.9/19

Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

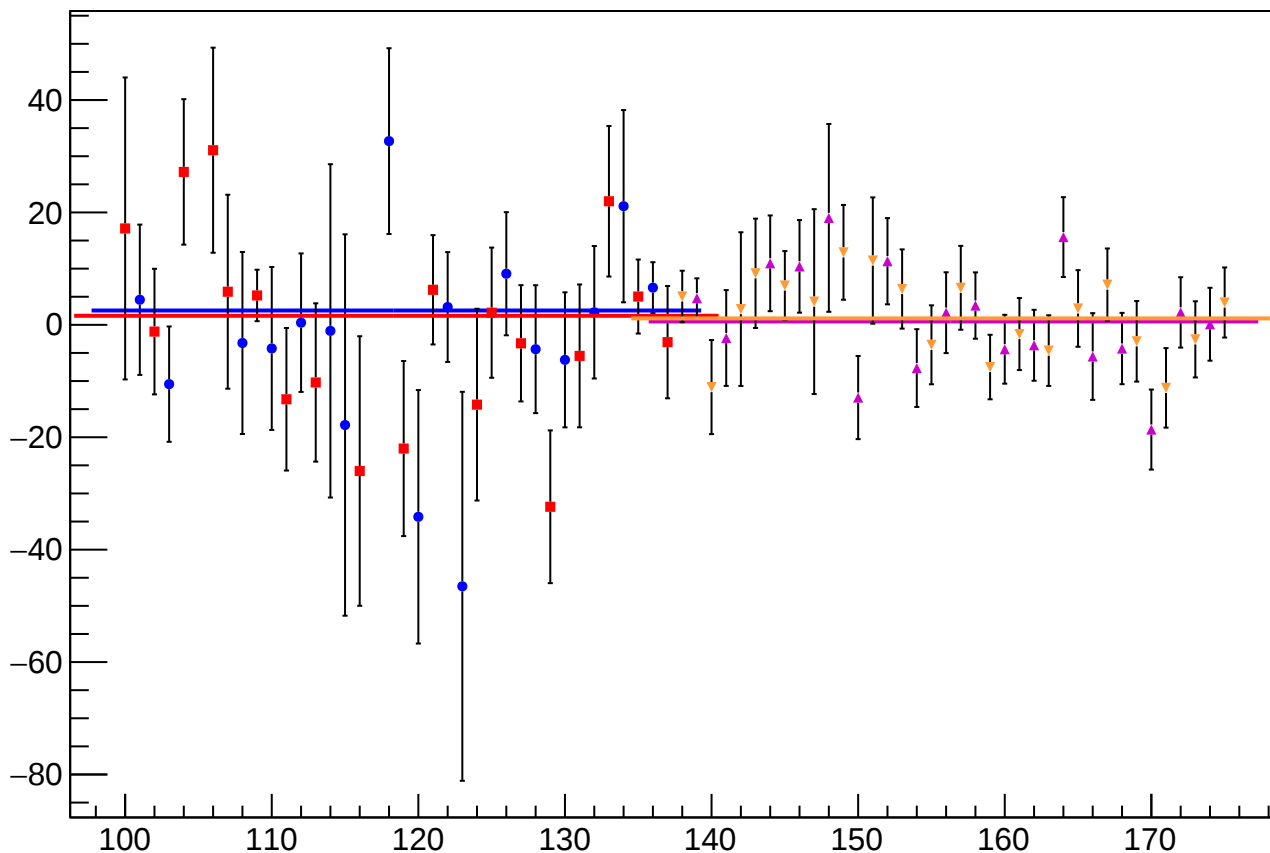
Left In: 8752.496+/-1.660 χ^2/NDF : 209535.7/17

+ sign 9418.752+/-1.476 χ^2/NDF : 2468810.8/36

All: 9498.592+/-1.061 χ^2/NDF : 5250274.7/73

- sign 9584.025+/-1.527 χ^2/NDF : 2775409.9/36

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 1.146 ± 1.579 χ^2/NDF : 16.9/19

Right Out: 1.613 ± 2.442 χ^2/NDF : 24.0/18

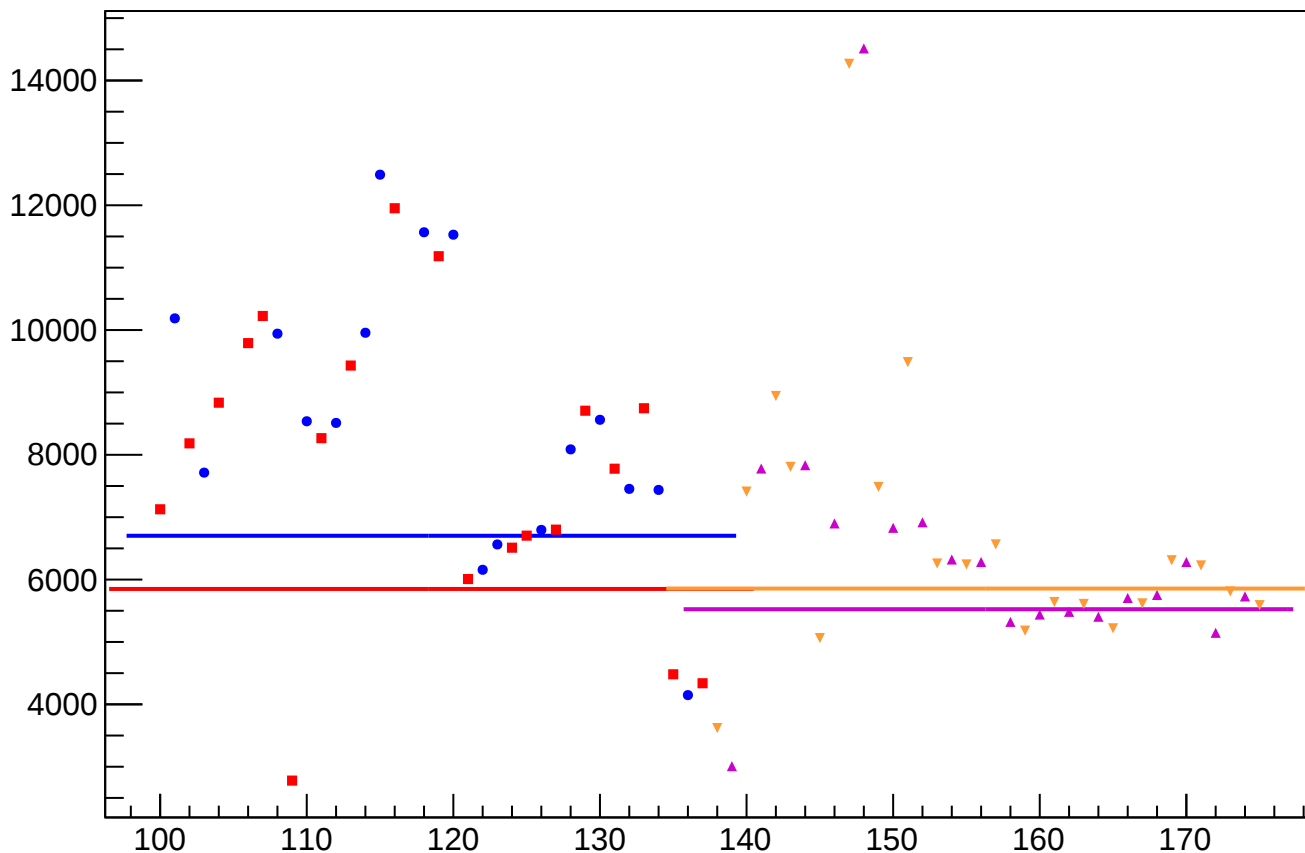
Left In: 0.608 ± 1.557 χ^2/NDF : 26.8/17

+ sign 1.493 ± 1.370 χ^2/NDF : 30.8/36

All: 1.183 ± 0.948 χ^2/NDF : 81.8/73

- sign 0.898 ± 1.313 χ^2/NDF : 50.9/36

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5855.948+/-1.116 χ^2/NDF : 1669545.6/19

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

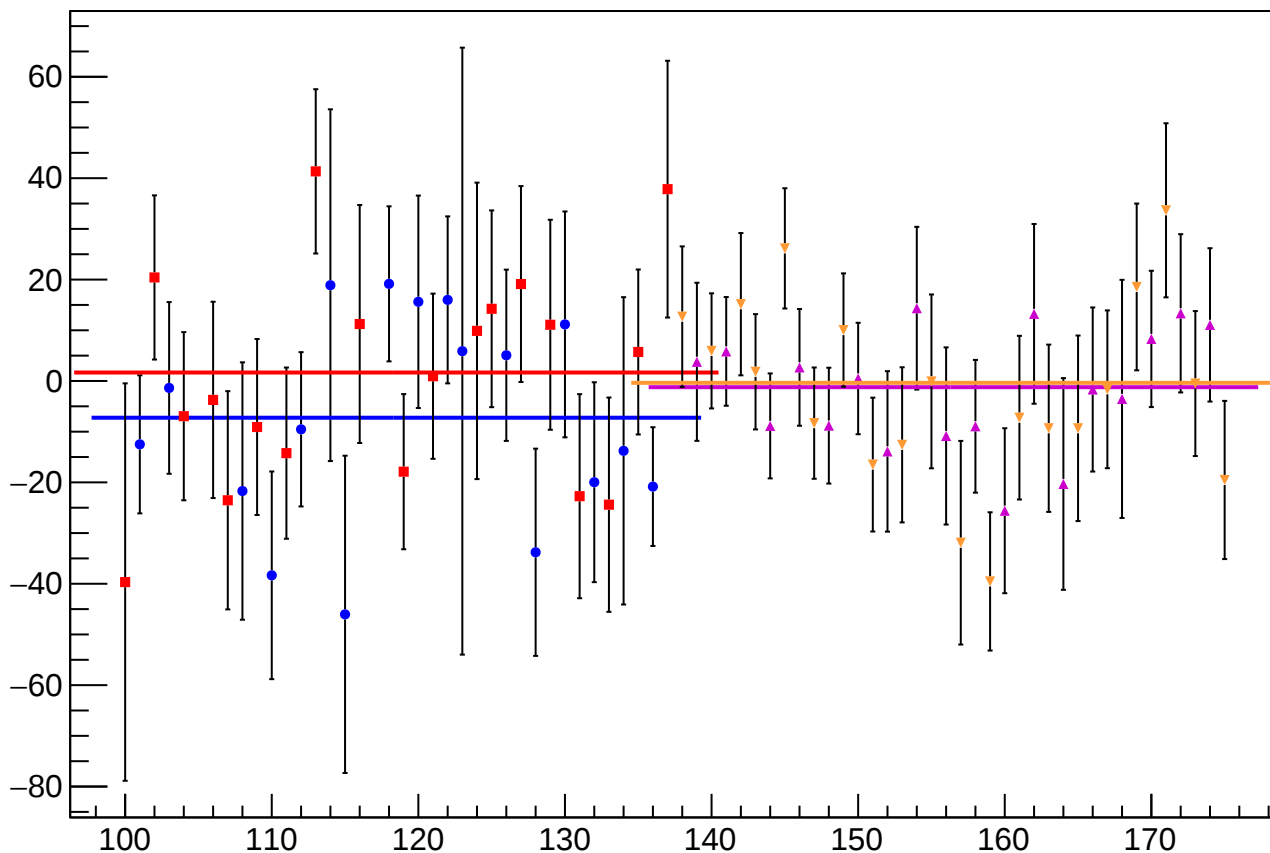
Left In: 5525.210+/-1.101 χ^2/NDF : 2151019.3/17

+ sign 6064.938+/-0.969 χ^2/NDF : 3201438.5/36

All: 5832.495+/-0.670 χ^2/NDF : 7766476.9/73

- sign 5618.970+/-0.928 χ^2/NDF : 4454569.8/36

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: -0.363 ± 3.144 χ^2/NDF : 29.2/19

Right Out: 1.671 ± 4.373 χ^2/NDF : 19.9/18

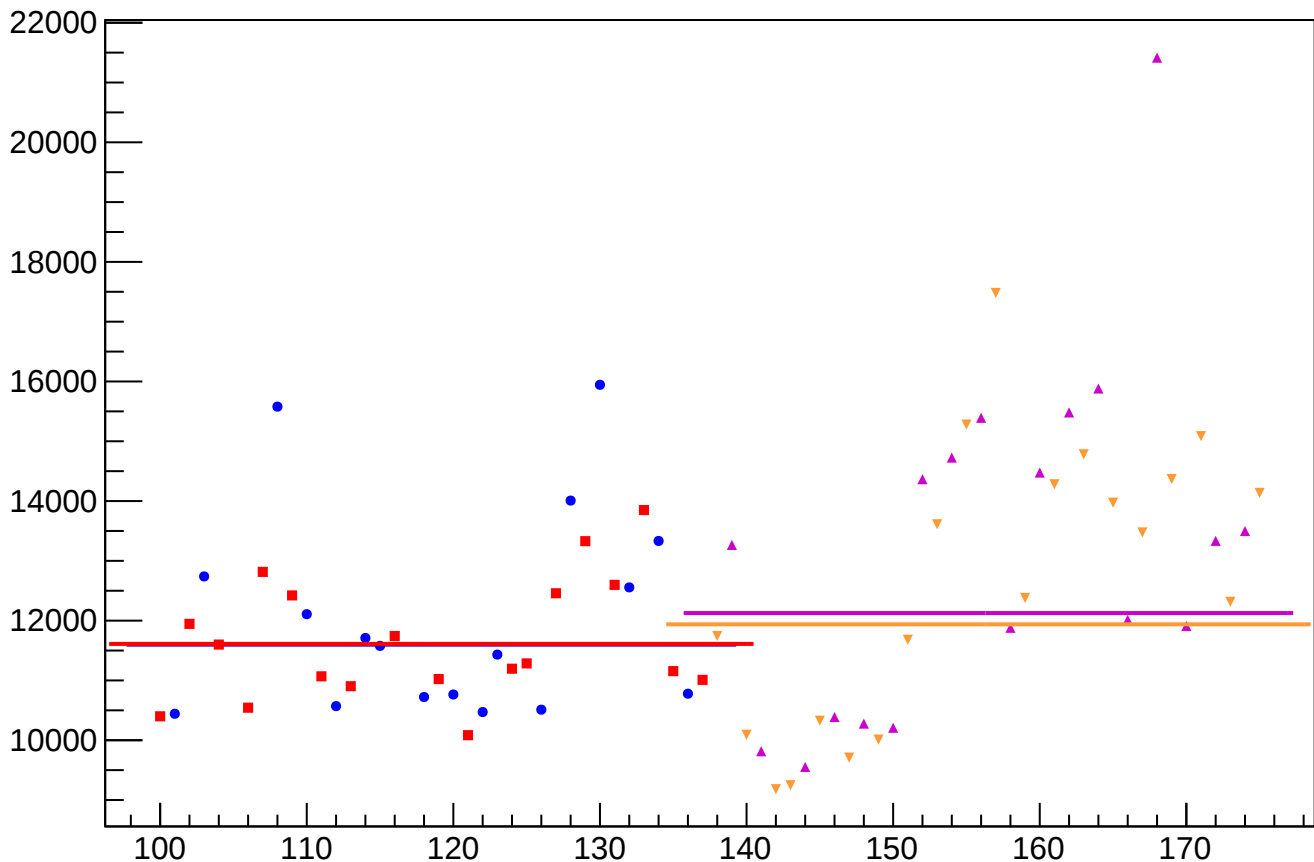
Left In: -1.223 ± 3.306 χ^2/NDF : 9.7/17

+ sign -2.589 ± 2.586 χ^2/NDF : 46.7/36

All: -1.403 ± 1.846 χ^2/NDF : 76.9/73

- sign -0.171 ± 2.637 χ^2/NDF : 29.8/36

diff_bpm11X_rms vs Slug



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 11938.381+/-2.223 χ^2/NDF : 974125.3/19

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

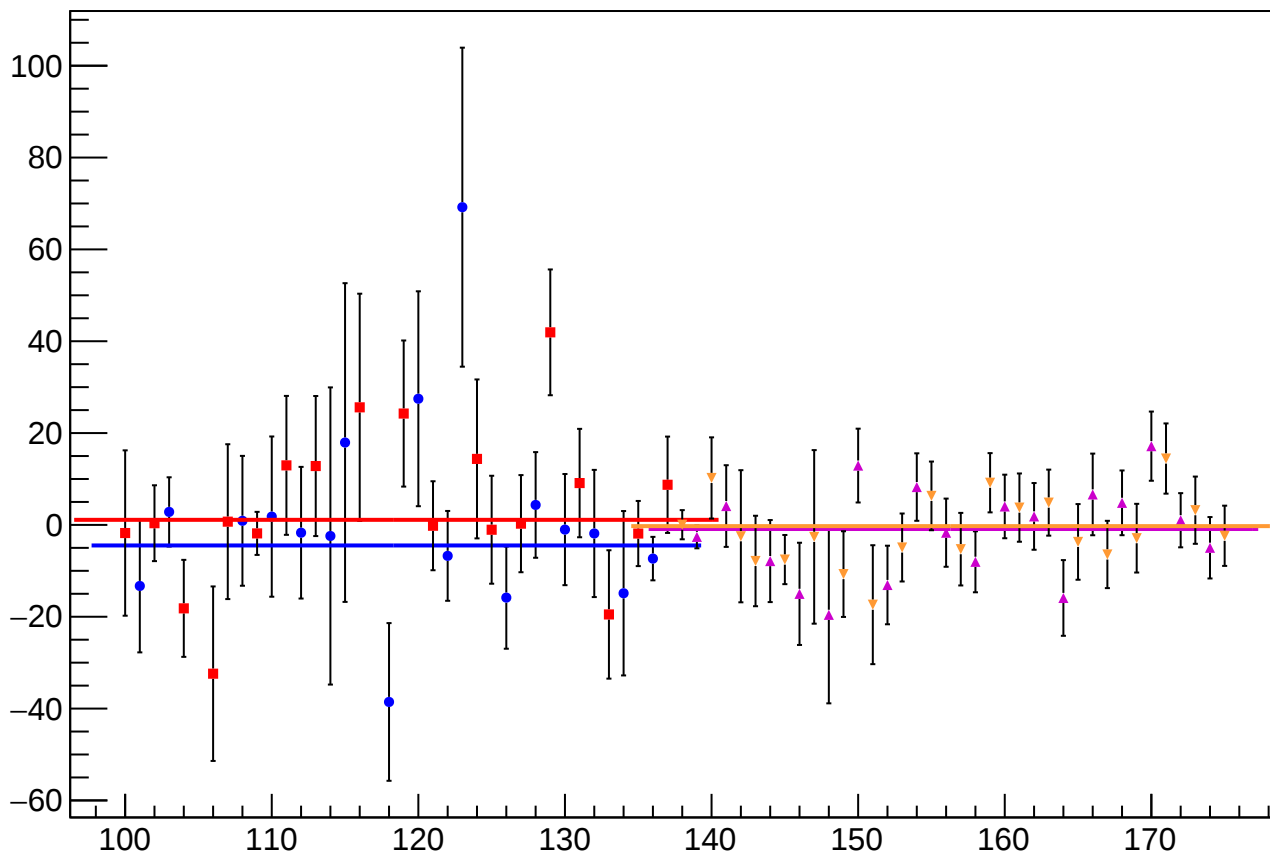
Left In: 12126.956+/-2.338 χ^2/NDF : 1069359.2/17

+ sign 11828.521+/-1.829 χ^2/NDF : 1217098.2/36

All: 11882.832+/-1.306 χ^2/NDF : 2400424.8/71

- sign 11939.308+/-1.865 χ^2/NDF : 1181527.2/36

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.267 ± 1.570 χ^2/NDF : 16.5/19

Right Out: 1.105 ± 2.429 χ^2/NDF : 24.0/18

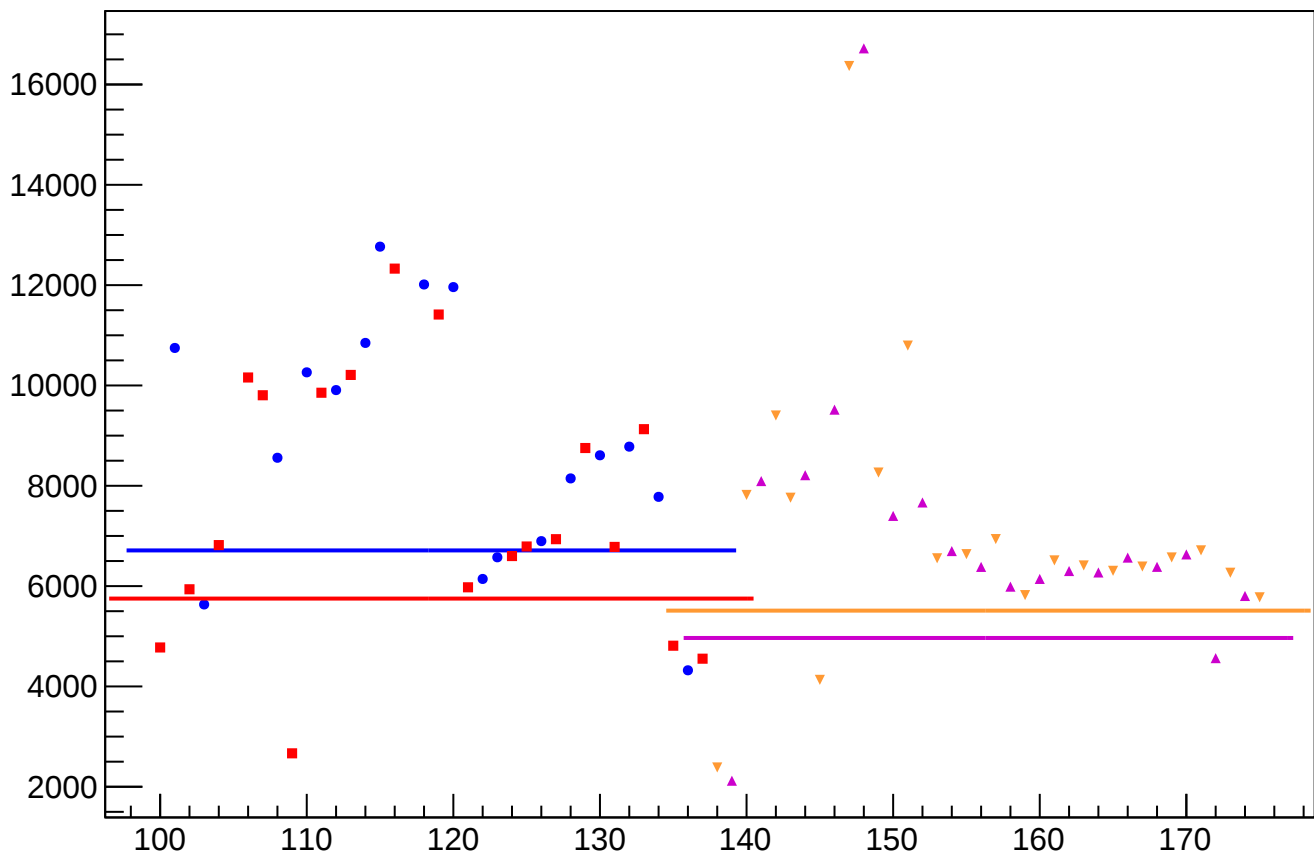
Left In: -0.892 ± 1.505 χ^2/NDF : 23.2/17

+ sign -1.283 ± 1.367 χ^2/NDF : 33.0/36

All: -0.779 ± 0.934 χ^2/NDF : 81.0/73

- sign -0.338 ± 1.279 χ^2/NDF : 47.7/36

diff_bpm11Y_rms vs Slug



Right In: 6711.550 ± 1.967 $\chi^2/\text{NDF}: 1446972.0/16$

Left Out: 5511.284 ± 1.110 $\chi^2/\text{NDF}: 4006846.9/19$

Right Out: 5751.505 ± 1.718 $\chi^2/\text{NDF}: 2165110.0/18$

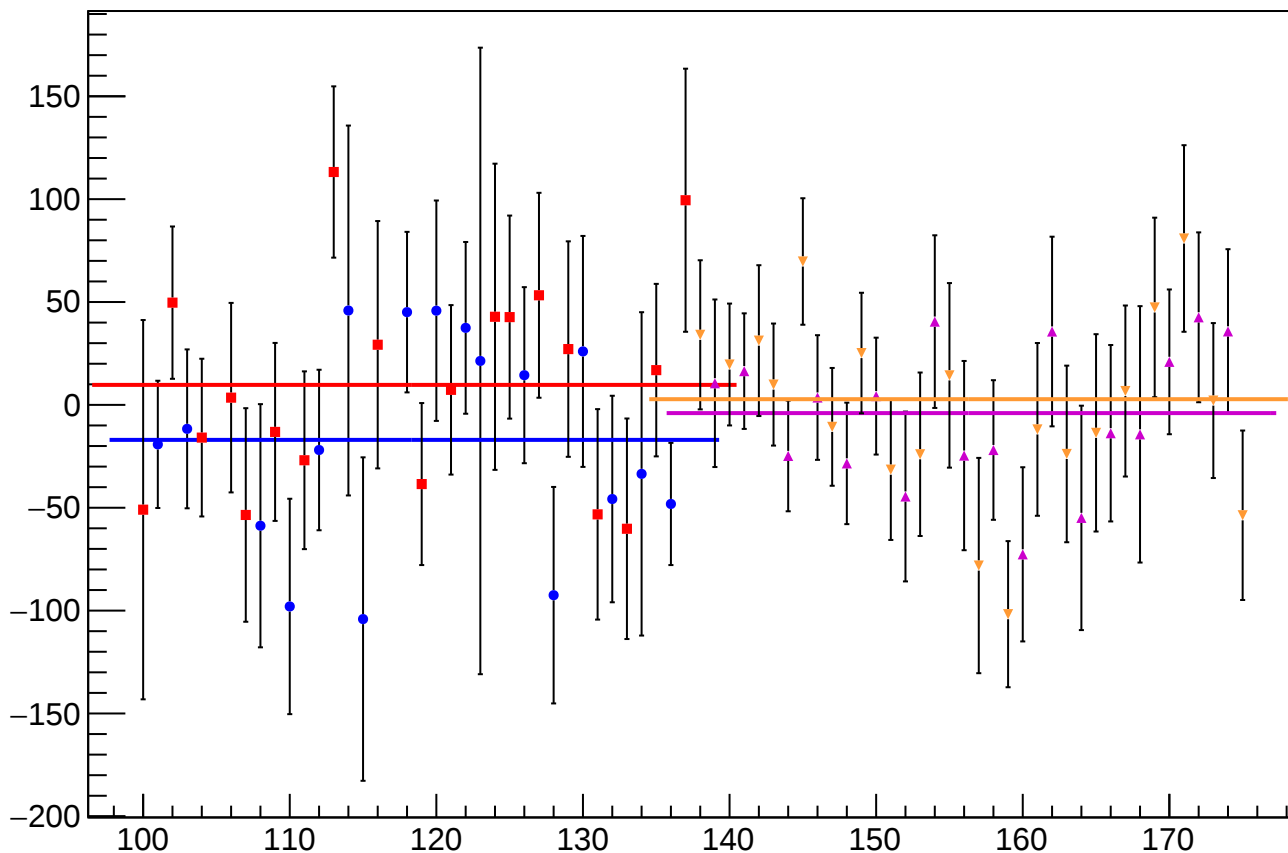
Left In: 4966.095 ± 1.064 $\chi^2/\text{NDF}: 5273058.2/17$

+ sign 5801.133 ± 0.967 $\chi^2/\text{NDF}: 5736261.3/36$

All: 5472.100 ± 0.660 $\chi^2/\text{NDF}: 13542898.4/7$

- sign 5183.944 ± 0.905 $\chi^2/\text{NDF}: 7589279.5/36$

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 2.769 ± 8.220 χ^2/NDF : 26.4/19

Right Out: 9.719 ± 10.891 χ^2/NDF : 19.1/18

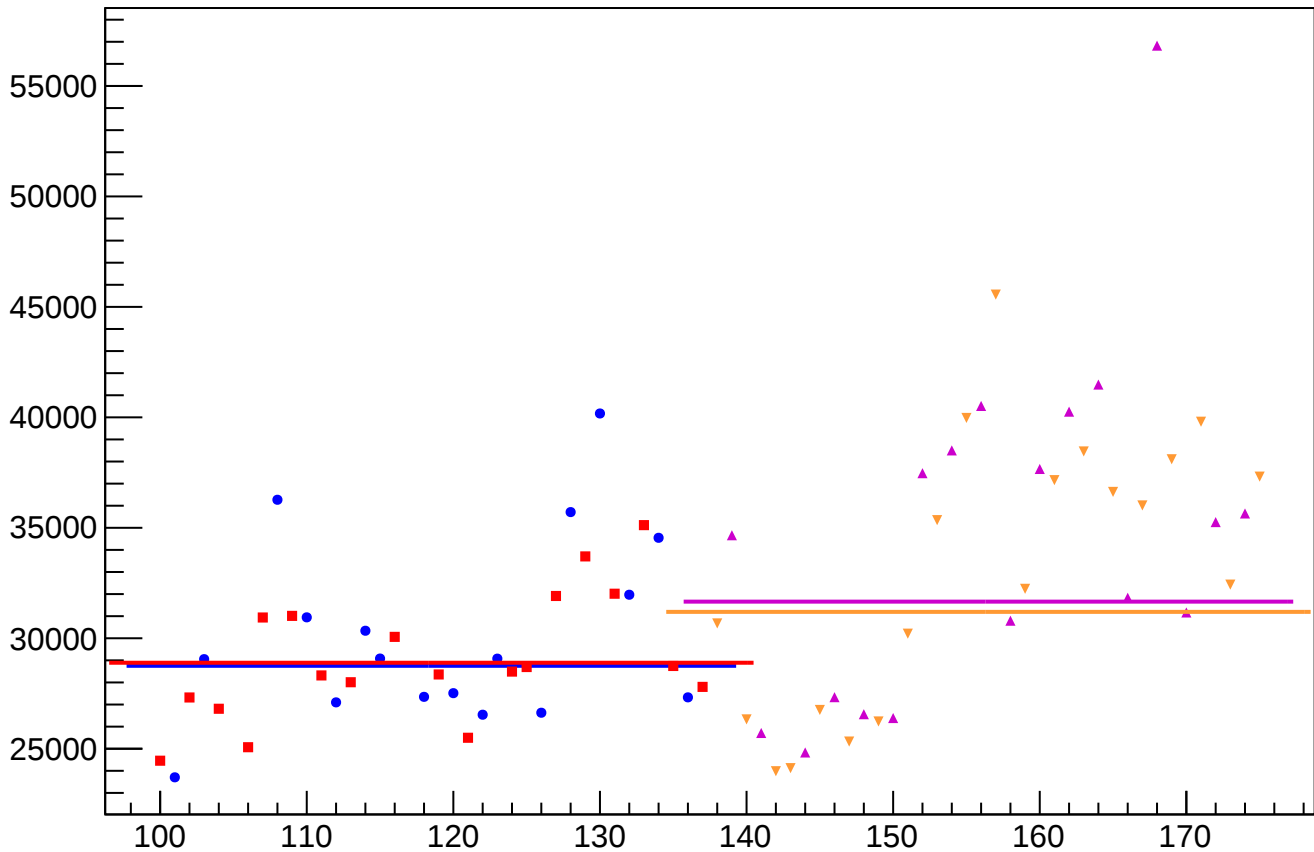
Left In: -3.994 ± 8.635 χ^2/NDF : 11.7/17

+ sign -4.086 ± 6.645 χ^2/NDF : 43.4/36

All: -1.442 ± 4.741 χ^2/NDF : 75.5/73

- sign 1.300 ± 6.766 χ^2/NDF : 31.8/36

diff_bpm12X_rms vs Slug



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 31194.819+/-5.813 χ^2/NDF : 999761.8/19

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

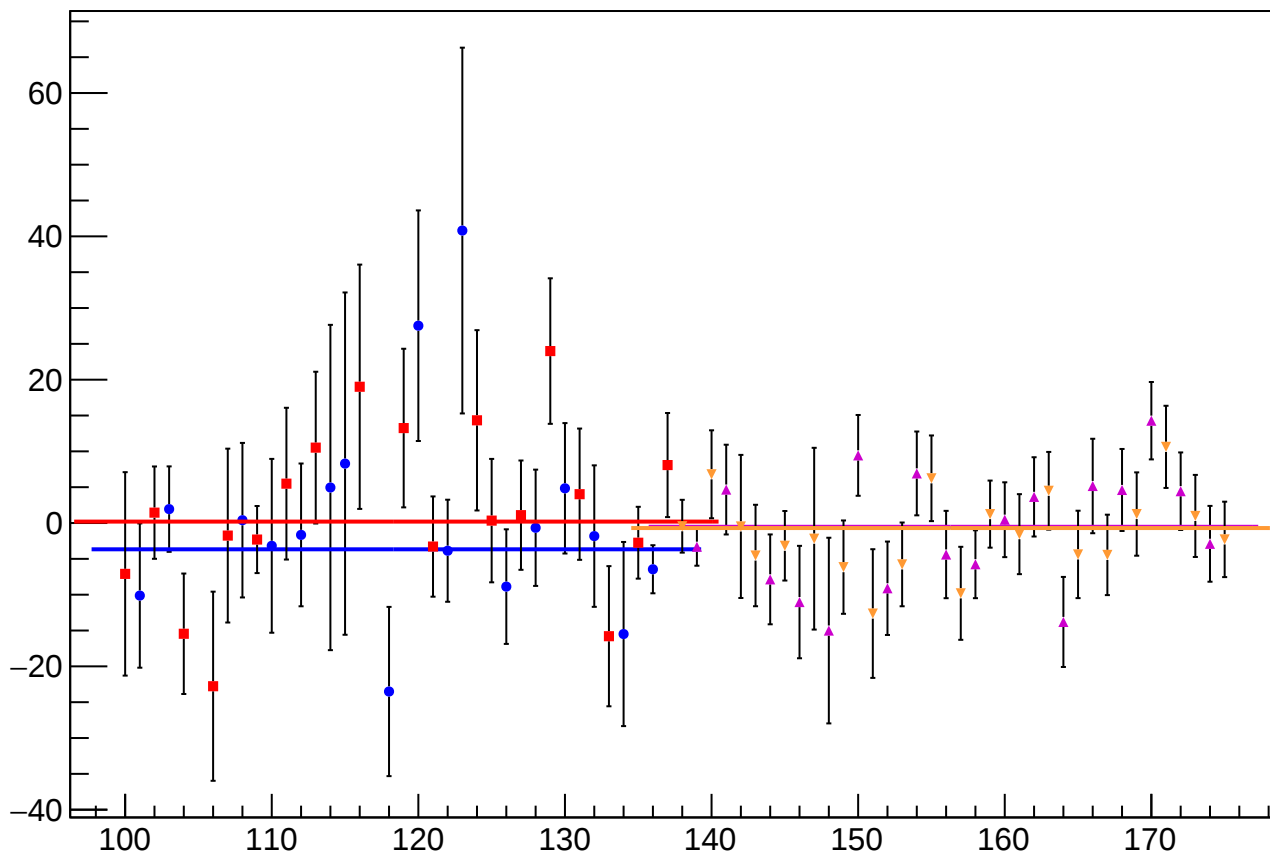
Left In: 31658.284+/-6.106 χ^2/NDF : 1103304.5/17

+ sign 30348.817+/-4.699 χ^2/NDF : 1310100.4/36

All: 30467.468+/-3.352 χ^2/NDF : 2605161.9/77

- sign 30590.504+/-4.785 χ^2/NDF : 1293762.6/36

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.702 ± 1.299 χ^2/NDF : 14.7/19

Right Out: 0.199 ± 1.893 χ^2/NDF : 22.3/18

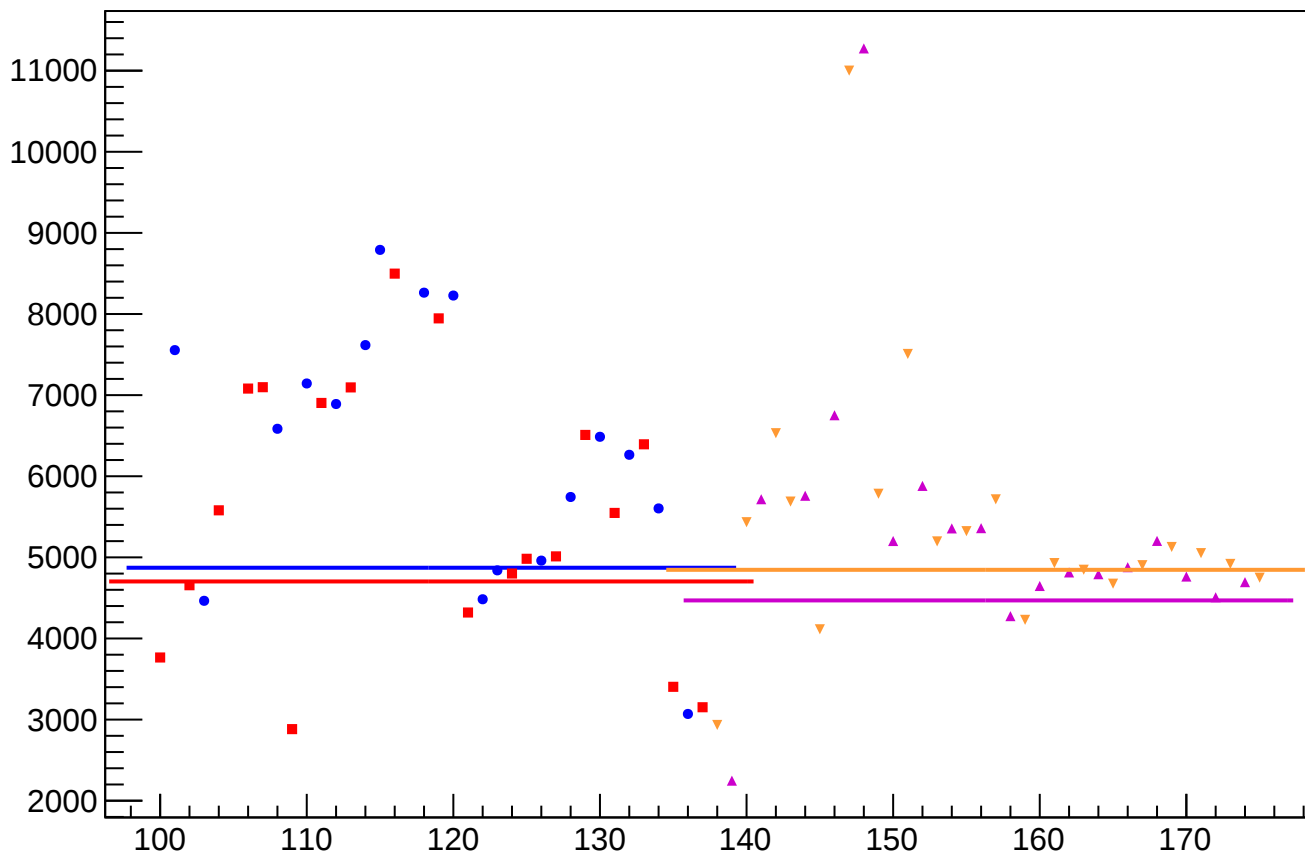
Left In: -0.526 ± 1.266 χ^2/NDF : 29.5/17

+ sign -1.575 ± 1.091 χ^2/NDF : 30.8/36

All: -0.916 ± 0.757 χ^2/NDF : 83.4/73

- sign -0.302 ± 1.052 χ^2/NDF : 51.9/36

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2 /NDF: 1405253.2/16

Left Out: 4846.396+/-0.918 χ^2 /NDF:1477286.4/19

Right Out: 4702.994+/-1.338 χ^2 /NDF: 1312720.8/18

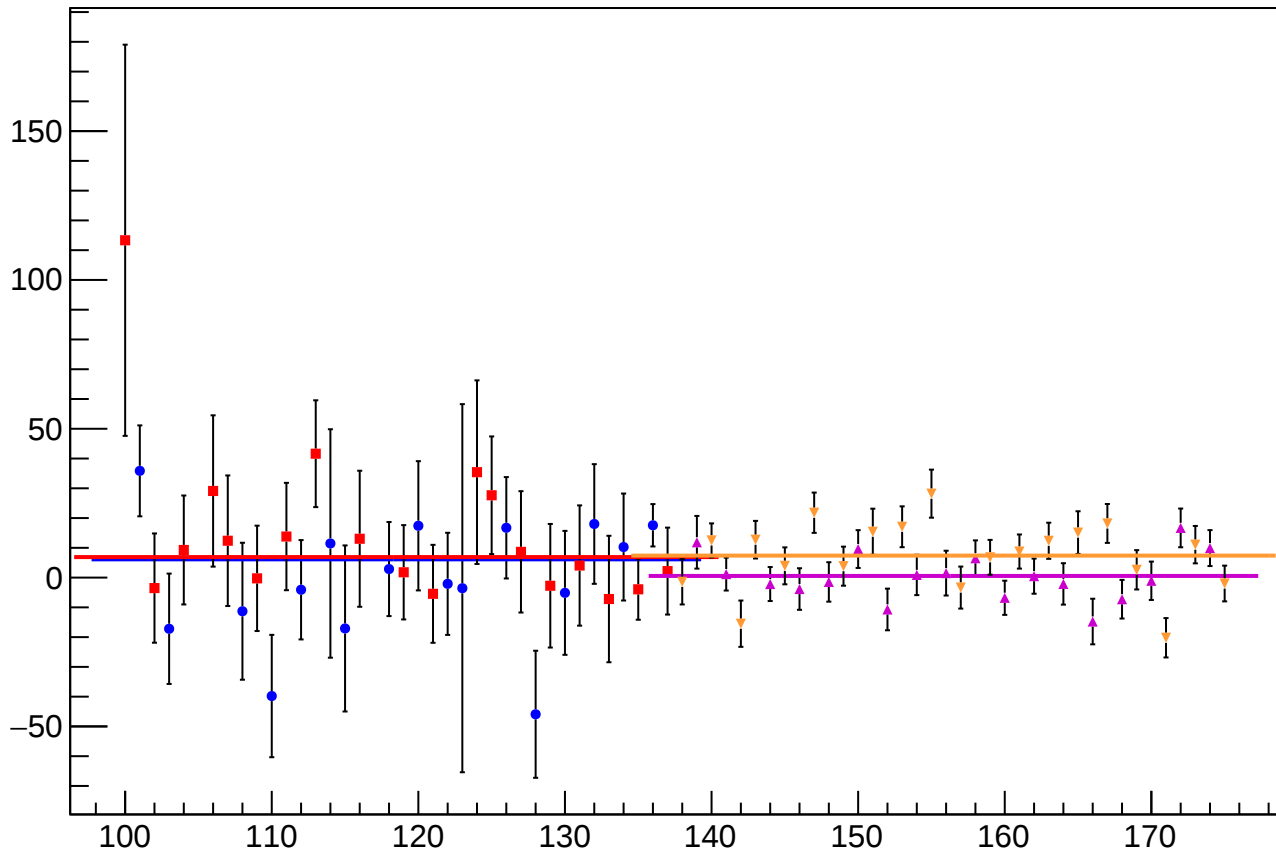
Left In: 4469.151+/-0.895 χ^2 /NDF:2581005.7/17

+ sign 4853.968+/-0.771 χ^2 /NDF: 2882770.5/36

All: 4692.061+/-0.535 χ^2 /NDF: 6882667.4/73

- sign 4541.411+/-0.744 χ^2 /NDF: 3914822.3/36

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 7.393 ± 1.471 χ^2/NDF : 54.0/19

Right Out: 6.892 ± 4.224 χ^2/NDF : 12.5/18

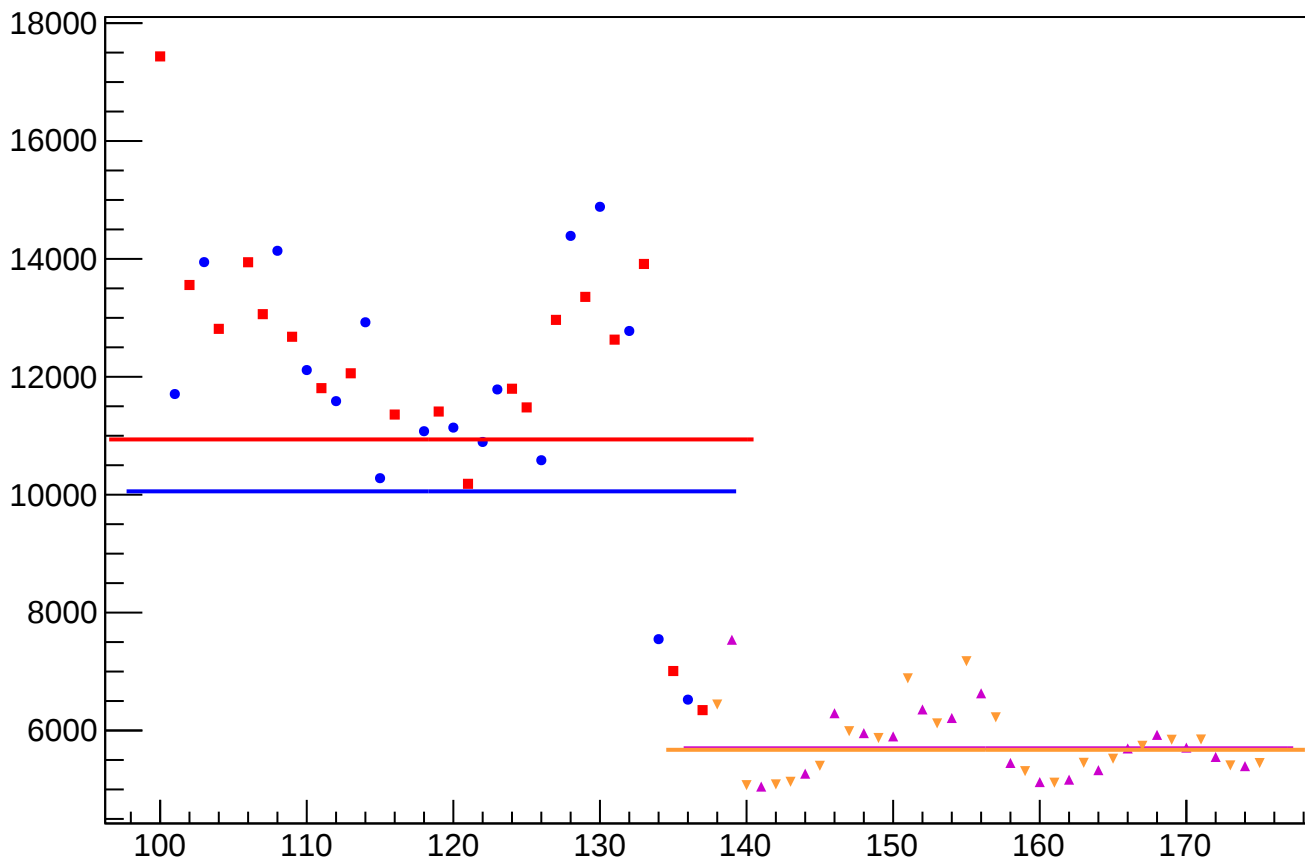
Left In: 0.556 ± 1.529 χ^2/NDF : 23.8/17

+ sign 7.248 ± 1.383 χ^2/NDF : 76.3/36

All: 4.384 ± 0.997 χ^2/NDF : 123.5/73

- sign 1.290 ± 1.438 χ^2/NDF : 38.3/36

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5672.515 $\pm$ 1.040 χ^2 /NDF: 257142.3/19

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

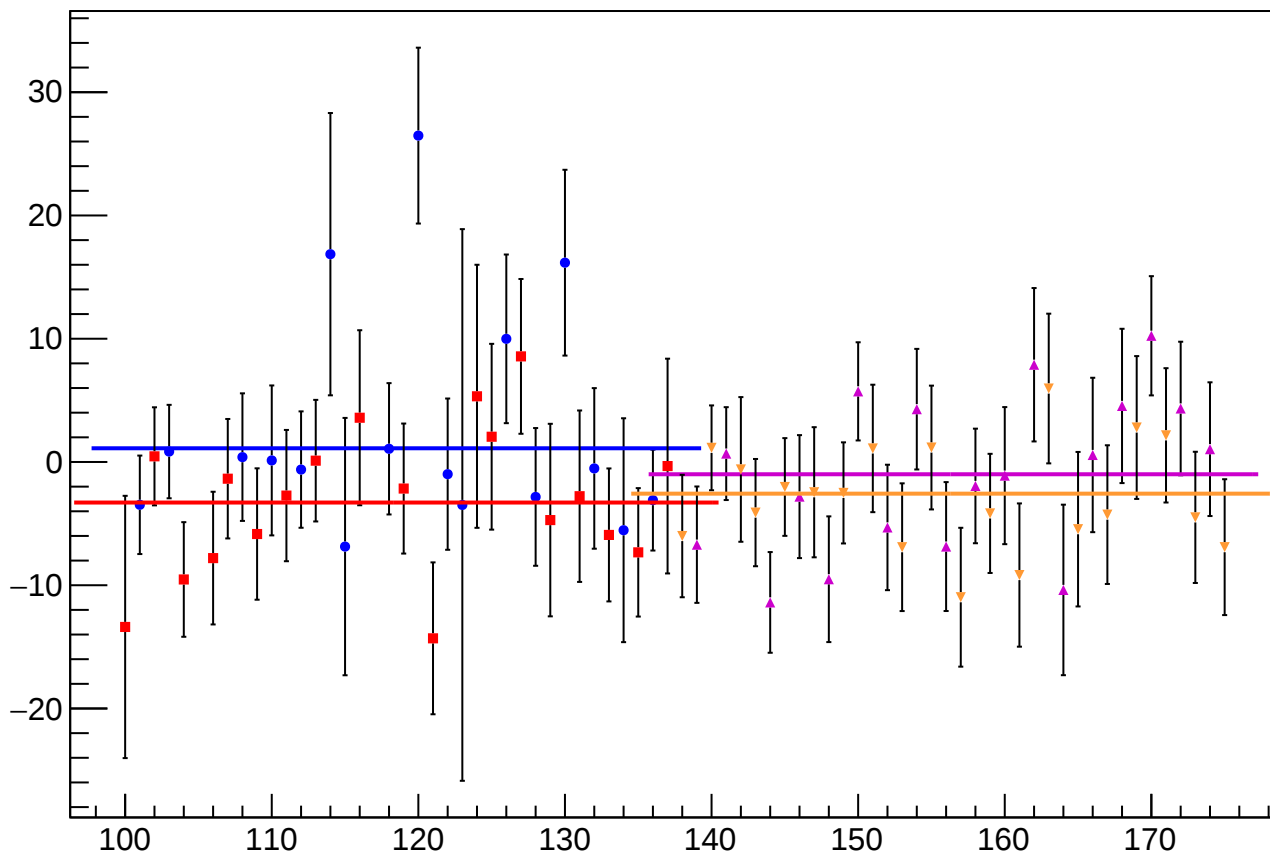
Left In: 5697.807 $\pm$ 1.081 χ^2 /NDF: 258933.6/17

+ sign 6176.590 $\pm$ 0.978 χ^2 /NDF: 3303925.3/36

All: 6238.330 $\pm$ 0.705 χ^2 /NDF: 7054435.3/73

- sign 6305.041 $\pm$ 1.017 χ^2 /NDF: 3742223.1/36

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.570 ± 1.118 χ^2/NDF : 11.9/19

Right Out: -3.290 ± 1.334 χ^2/NDF : 15.1/18

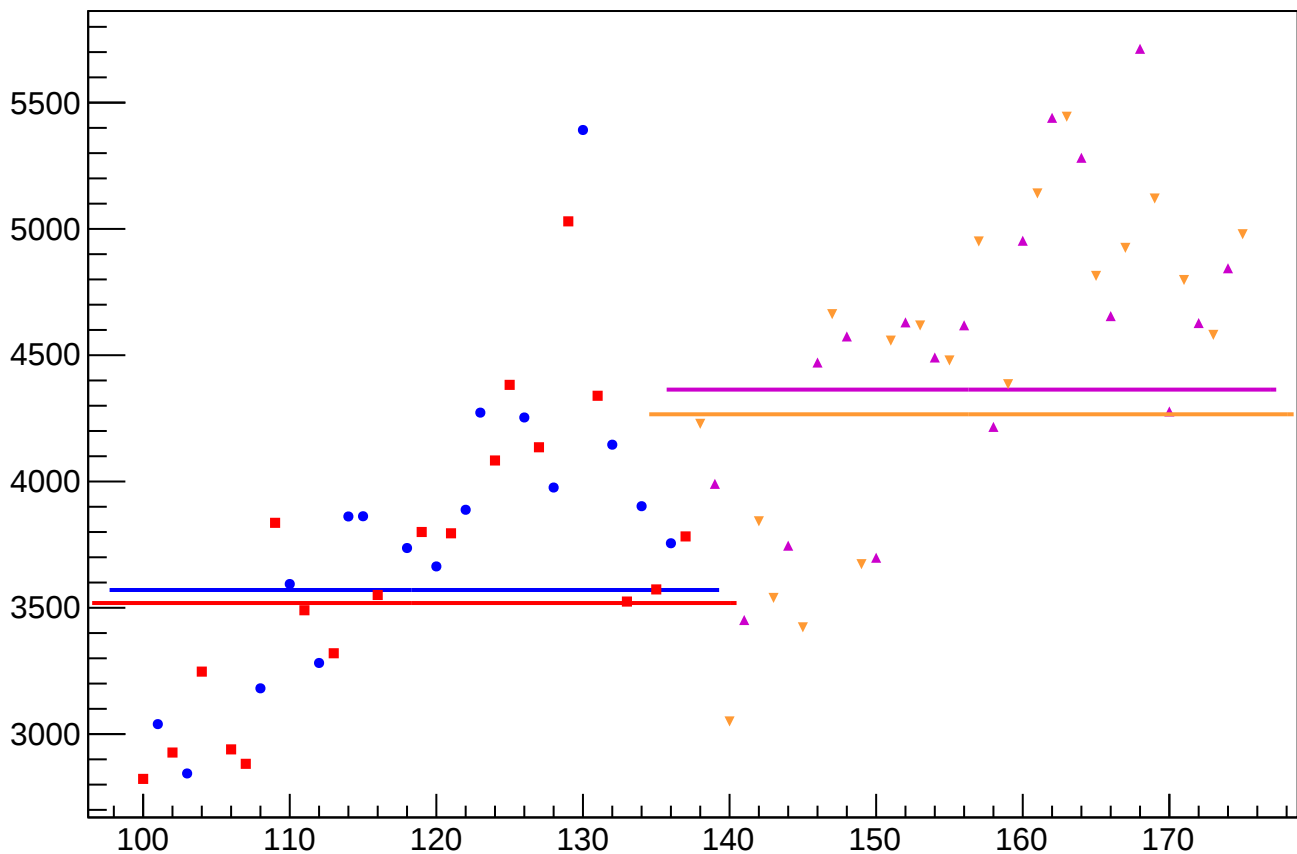
Left In: -0.996 ± 1.178 χ^2/NDF : 28.3/17

+ sign -1.139 ± 0.874 χ^2/NDF : 40.7/36

All: -1.566 ± 0.621 χ^2/NDF : 86.3/73

- sign -2.001 ± 0.883 χ^2/NDF : 45.1/36

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4266.102+/-0.791 χ^2/NDF : 775851.8/19

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

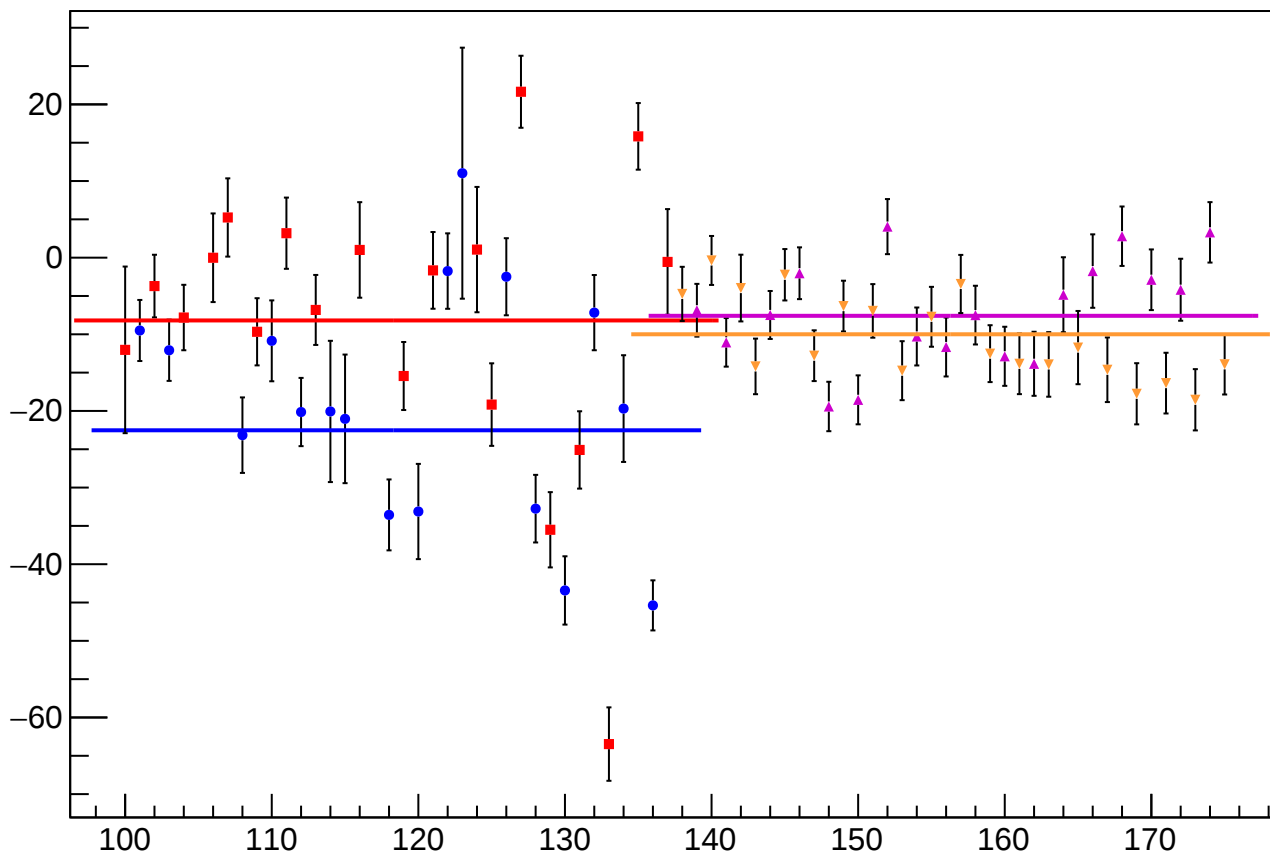
Left In: 4363.811+/-0.833 χ^2/NDF : 485075.6/17

+ sign 3995.861+/-0.618 χ^2/NDF : 1386276.9/36

All: 3994.751+/-0.439 χ^2/NDF : 2615819.4/73

- sign 3993.619+/-0.624 χ^2/NDF : 1229536.0/36

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 $\chi^2/\text{NDF}: 155.5/16$

Left Out: -9.997 ± 0.843 $\chi^2/\text{NDF}: 43.0/19$

Right Out: -8.192 ± 1.157 $\chi^2/\text{NDF}: 275.8/18$

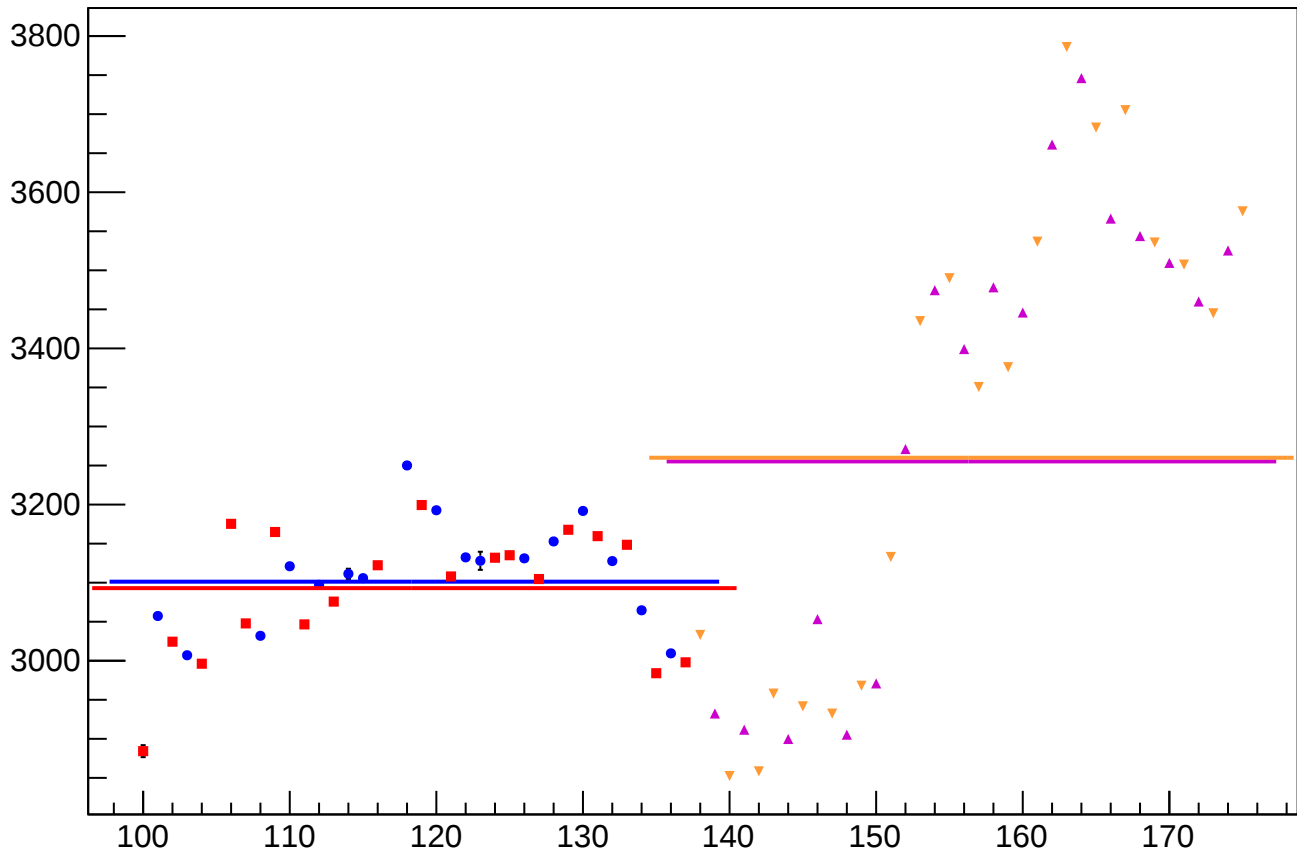
Left In: -7.587 ± 0.872 $\chi^2/\text{NDF}: 64.1/17$

+ sign -14.132 ± 0.690 $\chi^2/\text{NDF}: 271.5/36$

All: -10.998 ± 0.490 $\chi^2/\text{NDF}: 653.3/73$

- sign -7.806 ± 0.696 $\chi^2/\text{NDF}: 340.2/36$

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3259.995+/-0.596 χ^2/NDF : 254920.7/19

Right Out: 3092.993+/-0.818 χ^2/NDF : 7766.0/18

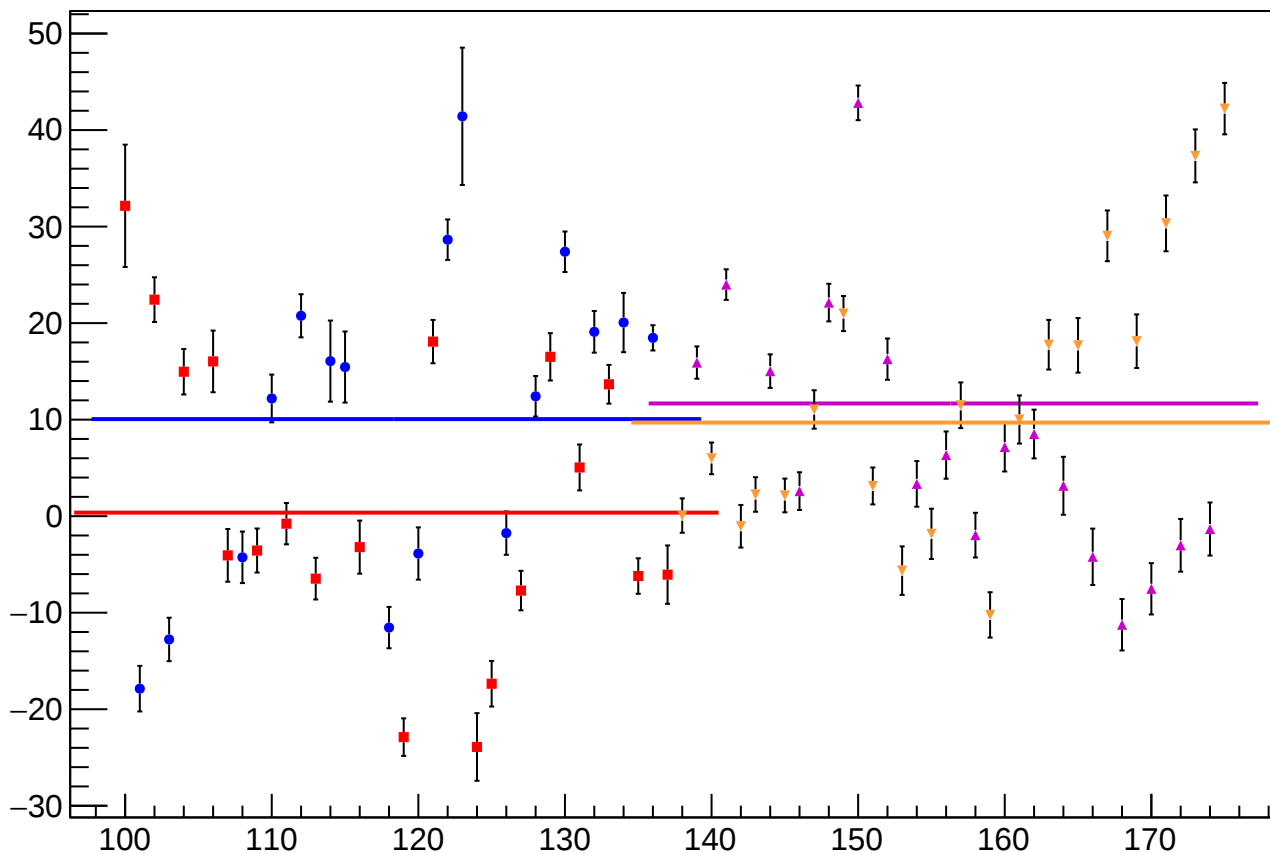
Left In: 3255.274+/-0.616 χ^2/NDF : 215932.8/17

+ sign 3207.609+/-0.488 χ^2/NDF : 285576.2/36

All: 3202.116+/-0.346 χ^2/NDF : 534636.5/73

- sign 3196.521+/-0.492 χ^2/NDF : 248804.2/36

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 9.701 $\pm$ 0.492 χ^2 /NDF: 656.8/19

Right Out: 0.367 $\pm$ 0.547 χ^2 /NDF: 629.8/18

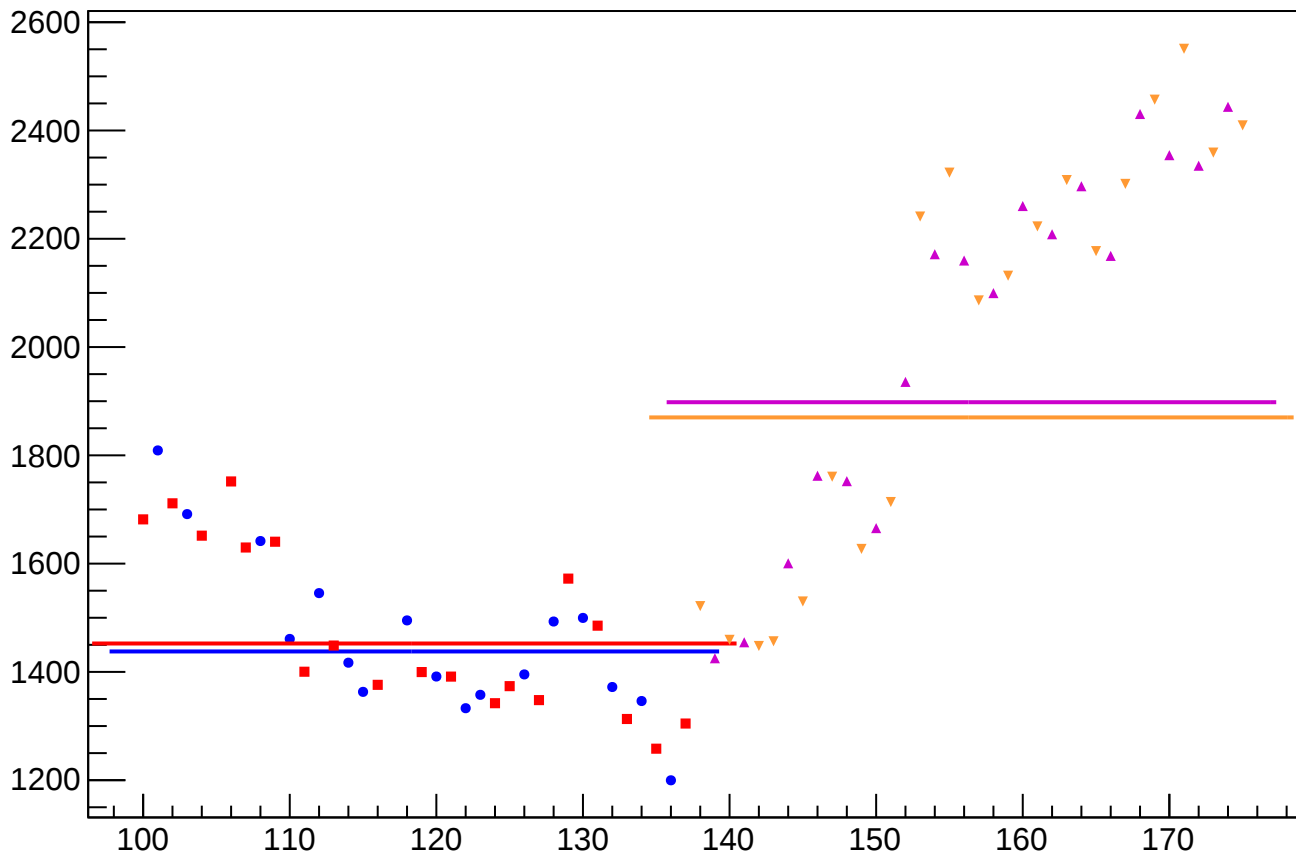
Left In: 11.676 $\pm$ 0.516 χ^2 /NDF: 698.2/17

+ sign 9.855 $\pm$ 0.370 χ^2 /NDF: 1349.3/36

All: 8.129 $\pm$ 0.263 χ^2 /NDF: 2947.7/73

- sign 6.356 $\pm$ 0.375 χ^2 /NDF: 1554.4/36

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1870.050 $\pm$ 0.348 χ^2 /NDF: 1180074.3/19

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

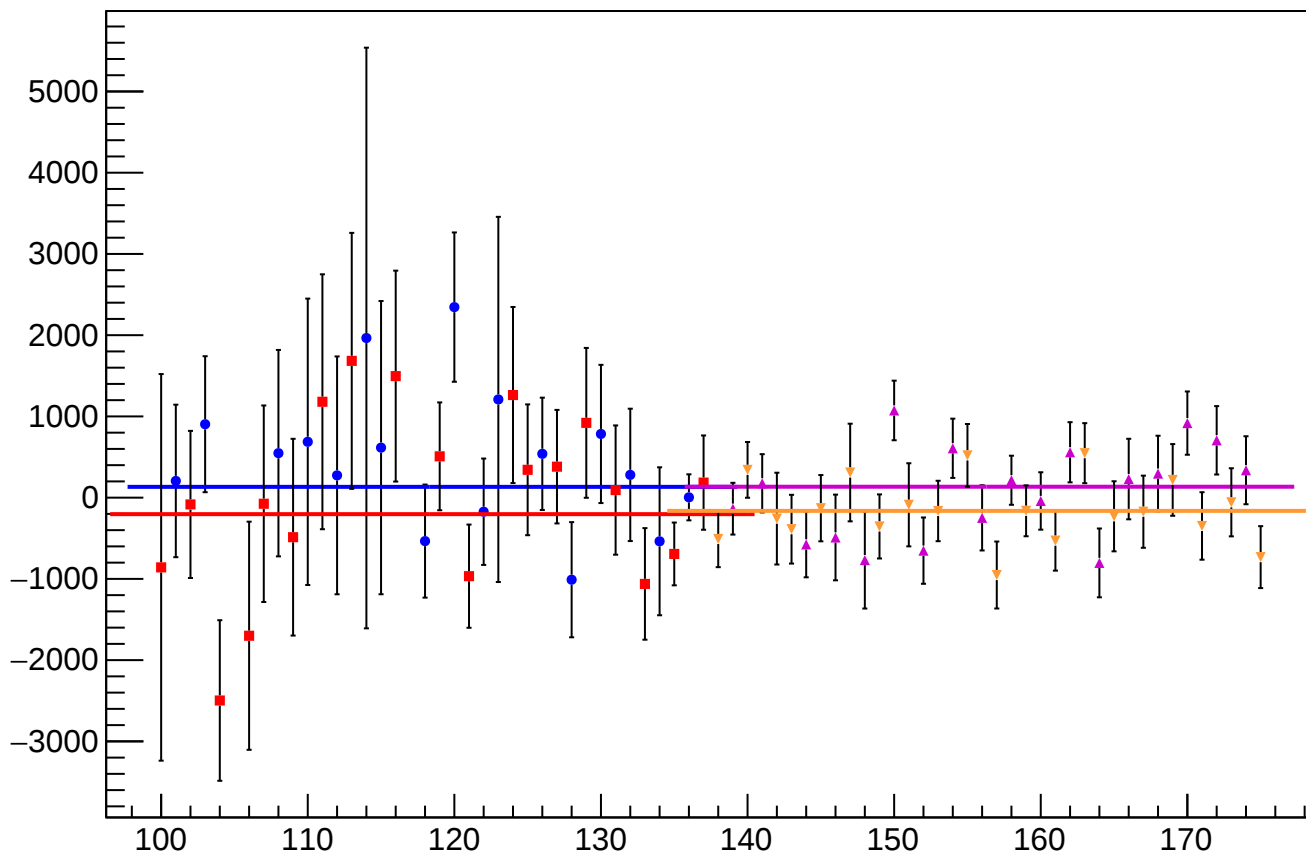
Left In: 1898.131 $\pm$ 0.365 χ^2 /NDF: 886676.9/17

+ sign 1682.377 $\pm$ 0.262 χ^2 /NDF: 2023669.3/36

All: 1685.390 $\pm$ 0.186 χ^2 /NDF: 3752232.8/73

- sign 1688.486 $\pm$ 0.265 χ^2 /NDF: 1728294.6/36

asym_sam1_mean vs Slug



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -162.687 $\pm$ 90.100 χ^2 /NDF:19.1/19

Right Out: -203.062 $\pm$ 184.353 χ^2 /NDF: 21.4/18

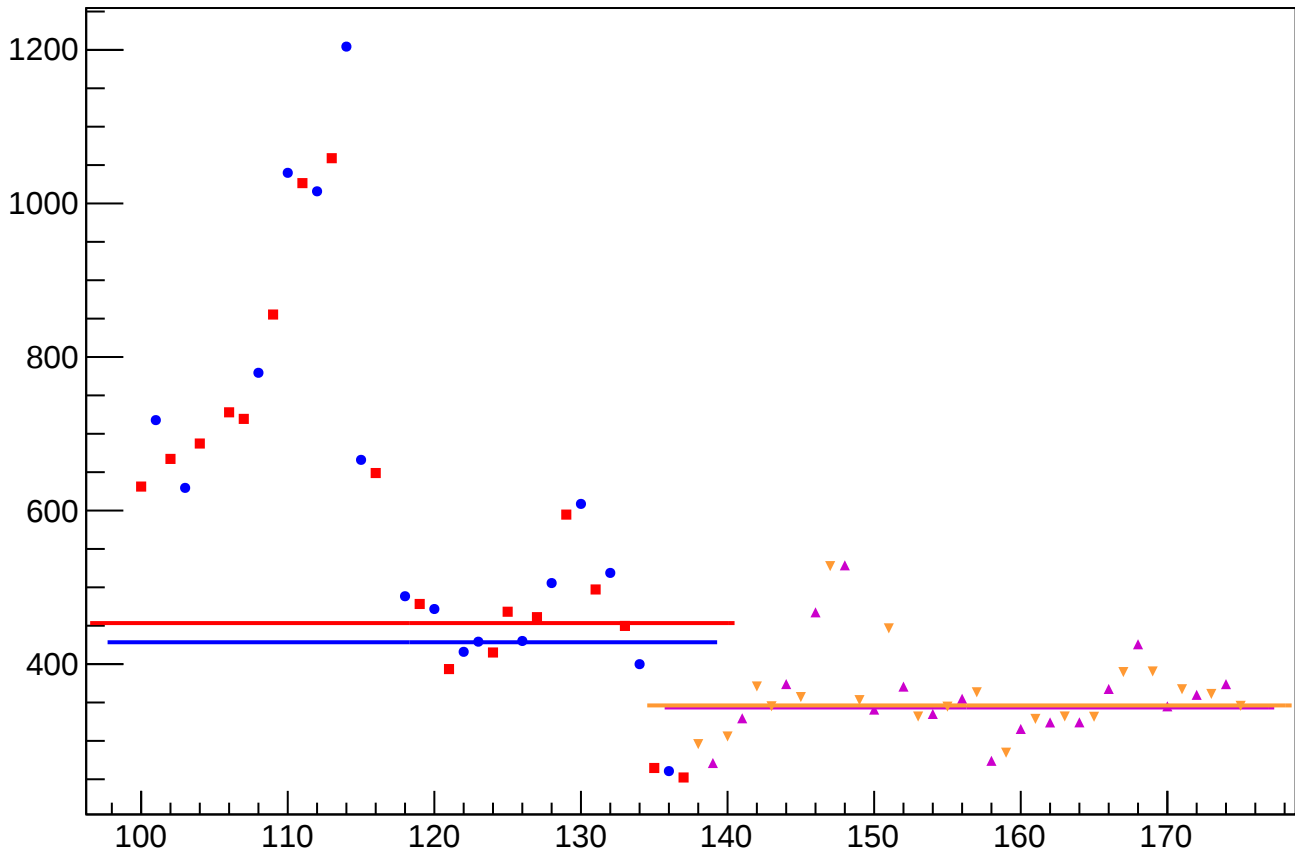
Left In: 134.539 $\pm$ 92.958 χ^2 /NDF:33.2/17

+ sign -103.602 $\pm$ 80.595 χ^2 /NDF: 34.1/36

All: -21.248 $\pm$ 57.822 χ^2 /NDF: 93.6/73

- sign 66.101 $\pm$ 83.003 χ^2 /NDF: 57.3/36

asym_sam1_rms vs Slug



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 346.179 $\pm$ 0.064 χ^2 /NDF: 475732.8/19

Right Out: 453.435 $\pm$ 0.130 χ^2 /NDF: 2029813.8/18

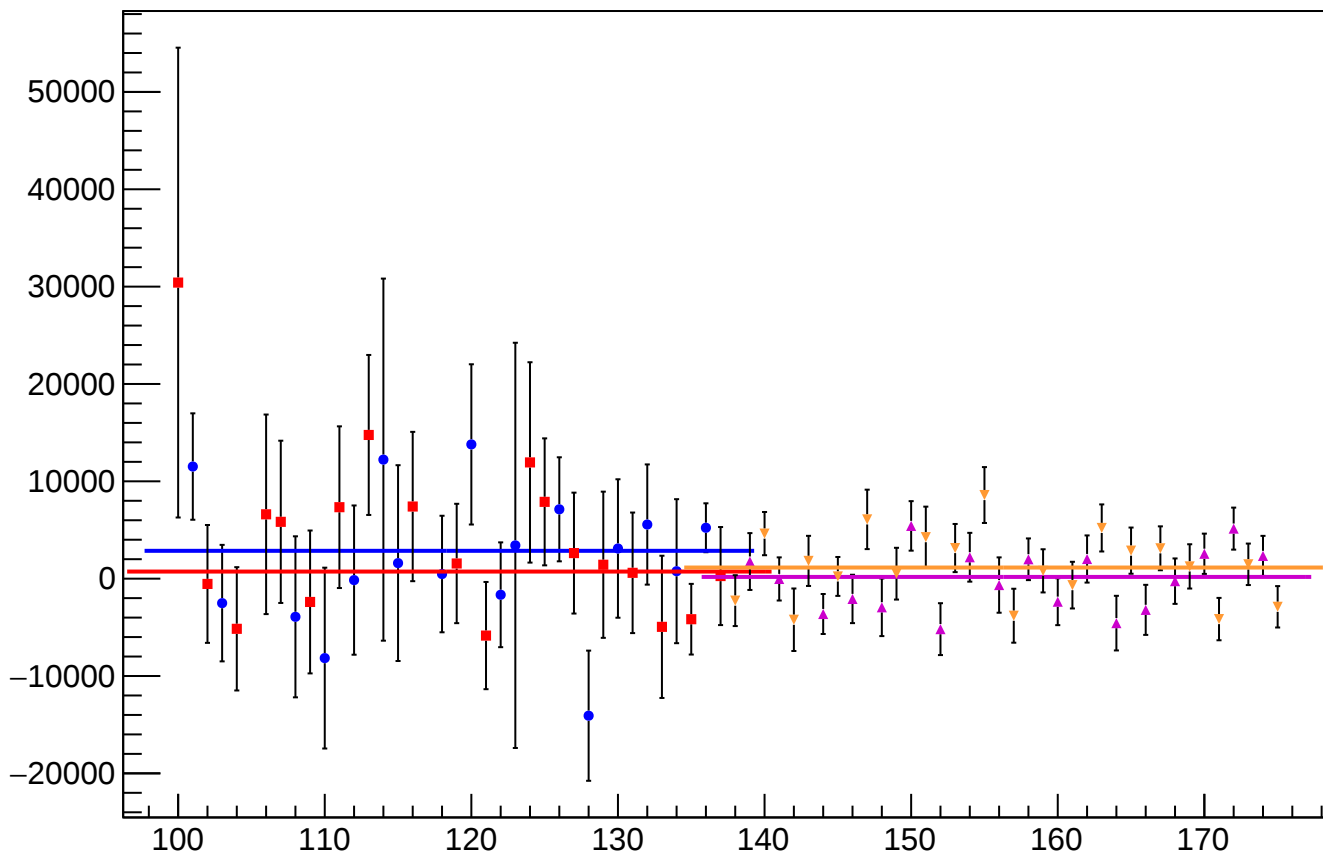
Left In: 343.494 $\pm$ 0.066 χ^2 /NDF: 640822.6/17

+ sign 362.625 $\pm$ 0.057 χ^2 /NDF: 2820565.1/36

All: 364.157 $\pm$ 0.041 χ^2 /NDF: 6059792.4/73

- sign 365.781 $\pm$ 0.059 χ^2 /NDF: 3237739.0/36

asym_sam2_mean vs Slug



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1143.622 $\pm$ 543.765 χ^2 /NDF: 35.8/19

Right Out: 729.571 $\pm$ 1509.224 χ^2 /NDF: 14.0/18

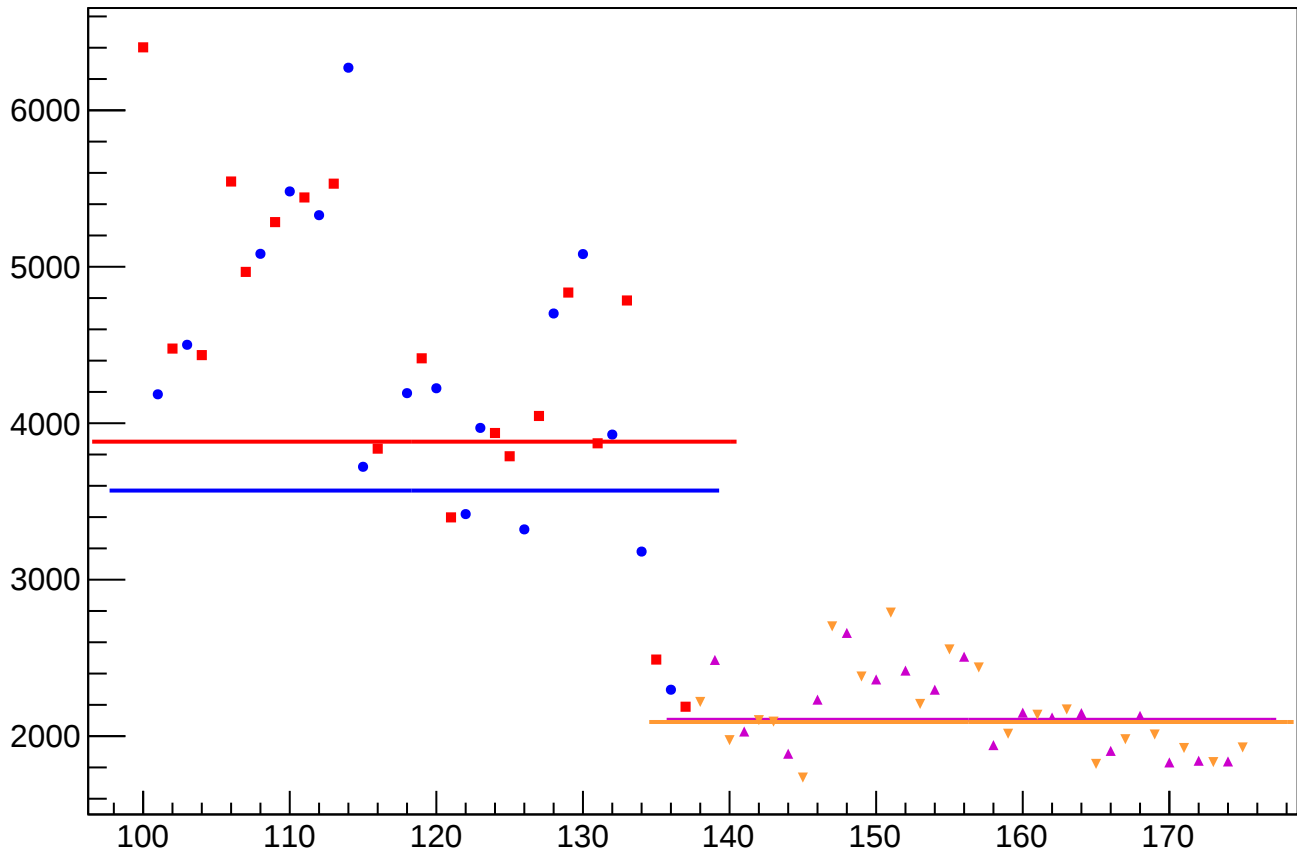
Left In: 178.331 $\pm$ 566.132 χ^2 /NDF: 29.5/17

+ sign 1355.736 $\pm$ 509.049 χ^2 /NDF: 53.6/36

All: 823.461 $\pm$ 367.157 χ^2 /NDF: 99.5/73

- sign 246.328 $\pm$ 530.066 χ^2 /NDF: 43.6/36

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2090.478+/-0.384 χ^2/NDF : 455523.3/19

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

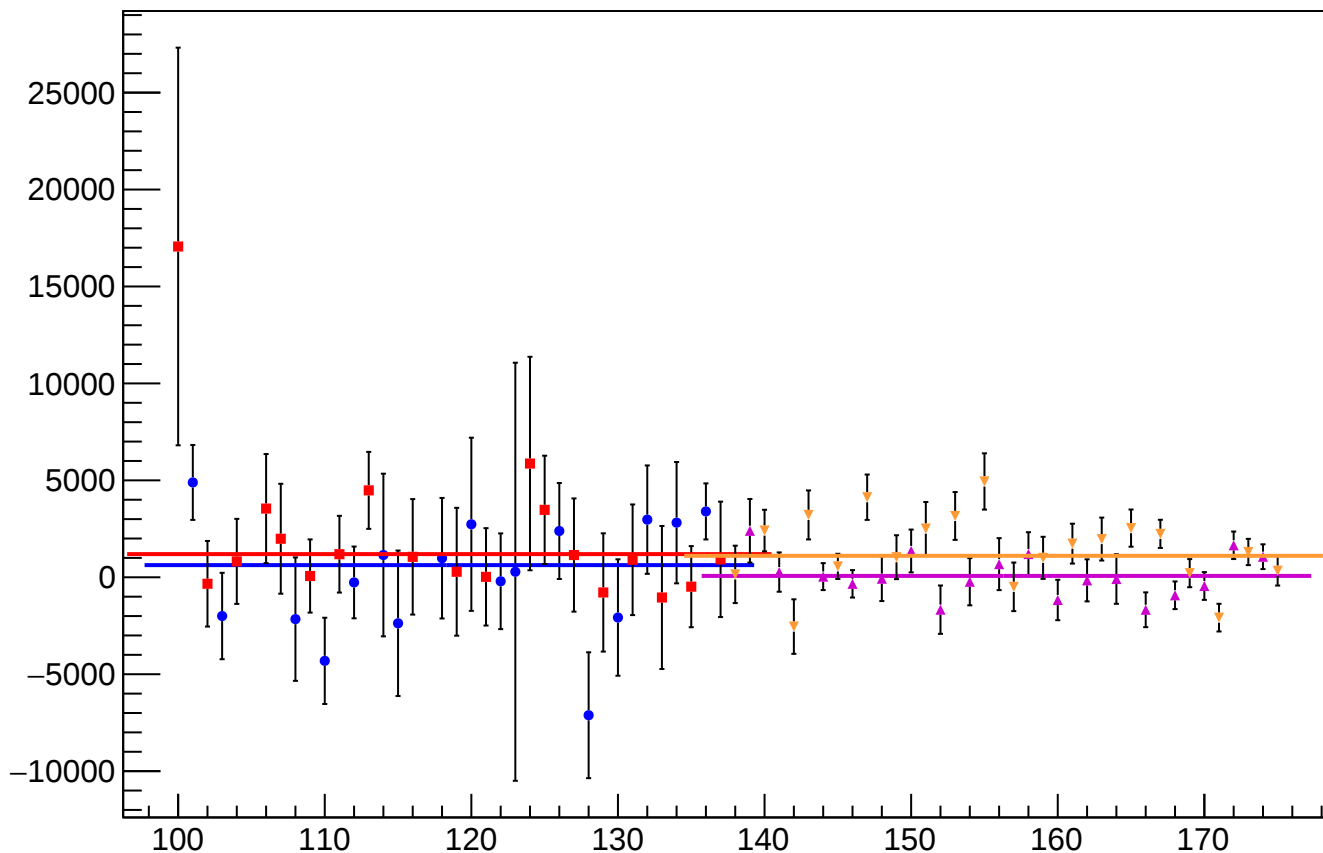
Left In: 2104.456+/-0.400 χ^2/NDF : 357702.0/17

+ sign 2273.315+/-0.360 χ^2/NDF : 3372766.3/36

All: 2297.510+/-0.260 χ^2/NDF : 7155569.6/73

- sign 2323.743+/-0.375 χ^2/NDF : 3773386.7/36

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1107.919 ± 213.295 χ^2/NDF : 59.4/19

Right Out: 1195.385 ± 603.058 χ^2/NDF : 9.9/18

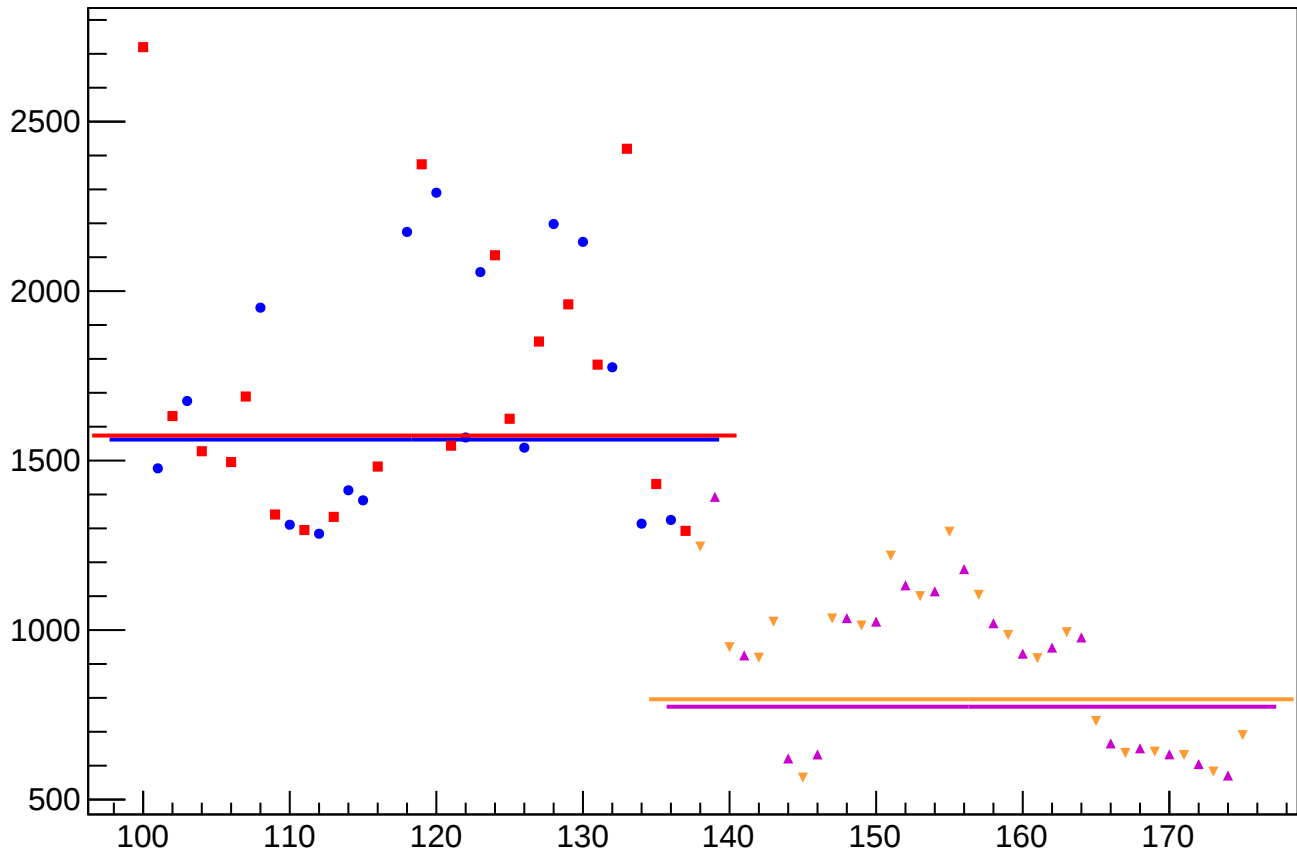
Left In: 71.048 ± 215.053 χ^2/NDF : 22.1/17

+ sign 1057.229 ± 201.725 χ^2/NDF : 85.0/36

All: 629.334 ± 142.935 χ^2/NDF : 129.2/73

- sign 197.896 ± 202.559 χ^2/NDF : 35.1/36

asym_sam3_rms vs Slug



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 795.872 $\pm$ 0.151 χ^2 /NDF: 2072675.7/19

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

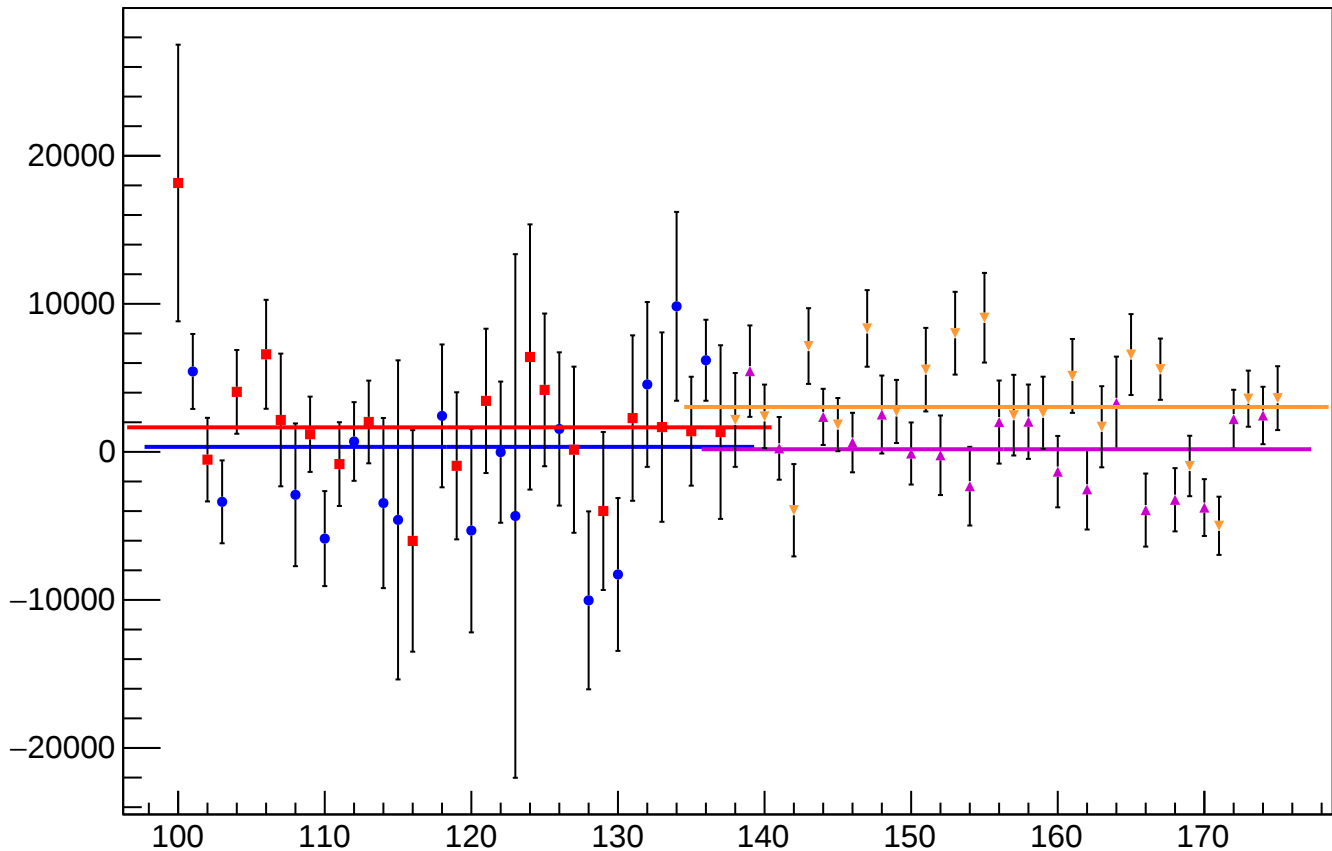
Left In: 773.894 $\pm$ 0.152 χ^2 /NDF: 1940628.9/17

+ sign 876.743 $\pm$ 0.143 χ^2 /NDF: 5278858.2/36

All: 870.473 $\pm$ 0.101 χ^2 /NDF: 10809969.3/73

- sign 864.151 $\pm$ 0.143 χ^2 /NDF: 5527230.4/36

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 3031.559 ± 529.250 χ^2/NDF : 45.2/19

Right Out: 1658.069 ± 924.453 χ^2/NDF : 10.3/18

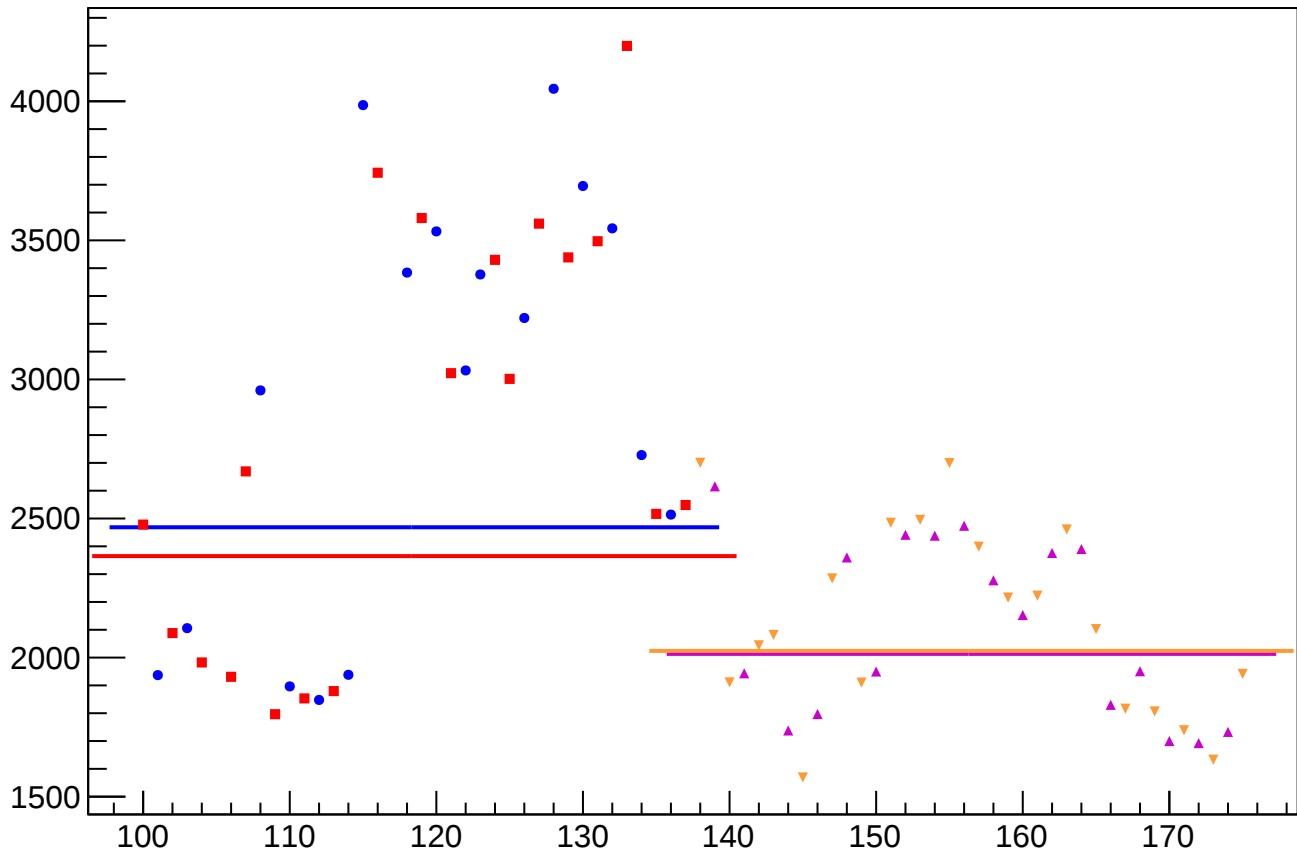
Left In: 178.715 ± 544.300 χ^2/NDF : 21.4/17

+ sign 2438.350 ± 467.348 χ^2/NDF : 75.7/36

All: 1502.336 ± 331.061 χ^2/NDF : 117.2/73

- sign 559.536 ± 469.039 χ^2/NDF : 33.5/36

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2024.076+/-0.374 χ^2/NDF : 749925.7/19

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

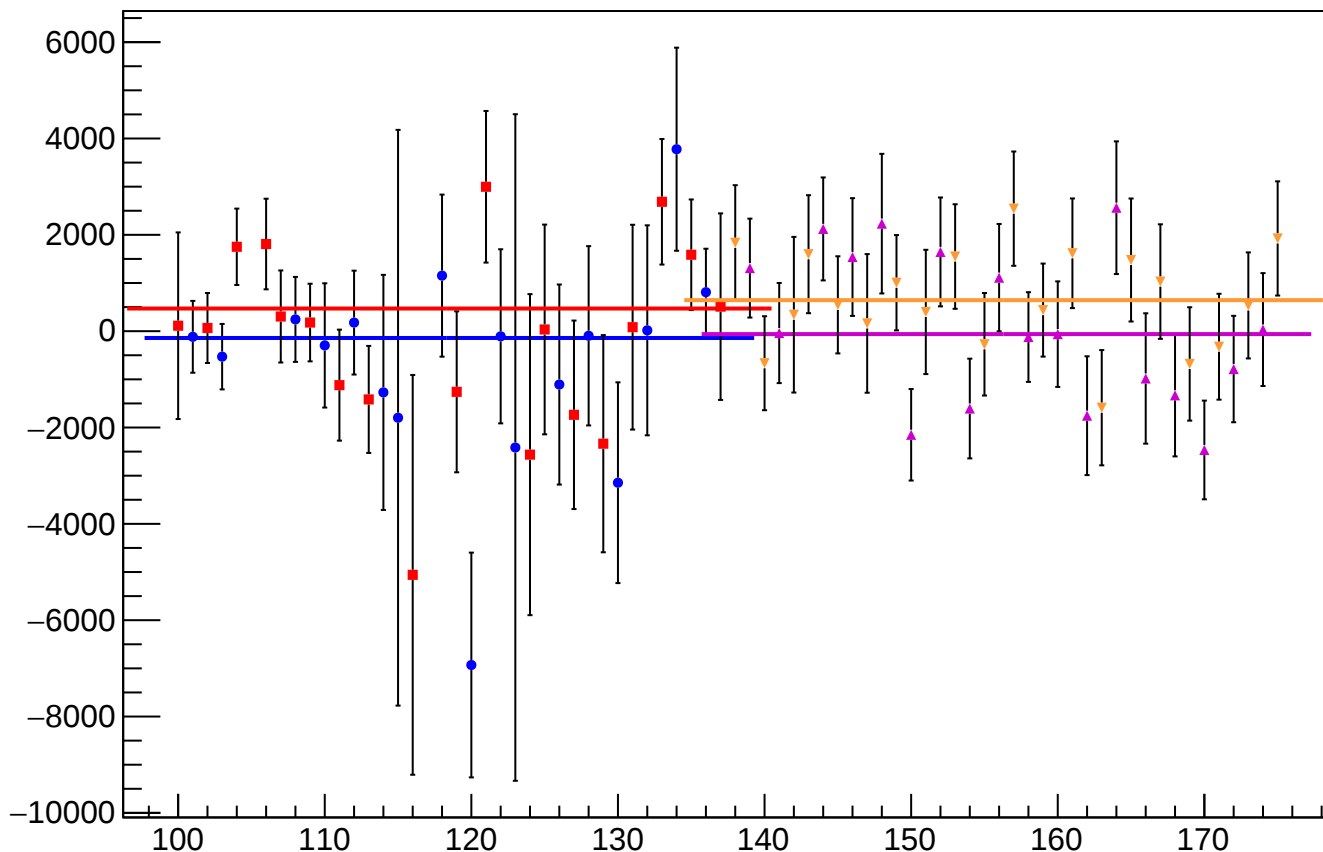
Left In: 2013.316+/-0.385 χ^2/NDF : 589705.4/17

+ sign 2121.954+/-0.330 χ^2/NDF : 1956666.1/36

All: 2112.912+/-0.234 χ^2/NDF : 3787766.3/73

- sign 2103.805+/-0.332 χ^2/NDF : 1829597.6/36

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 643.942+/-255.807 χ^2/NDF : 15.7/19

Right Out: 470.143+/-282.892 χ^2/NDF : 22.9/18

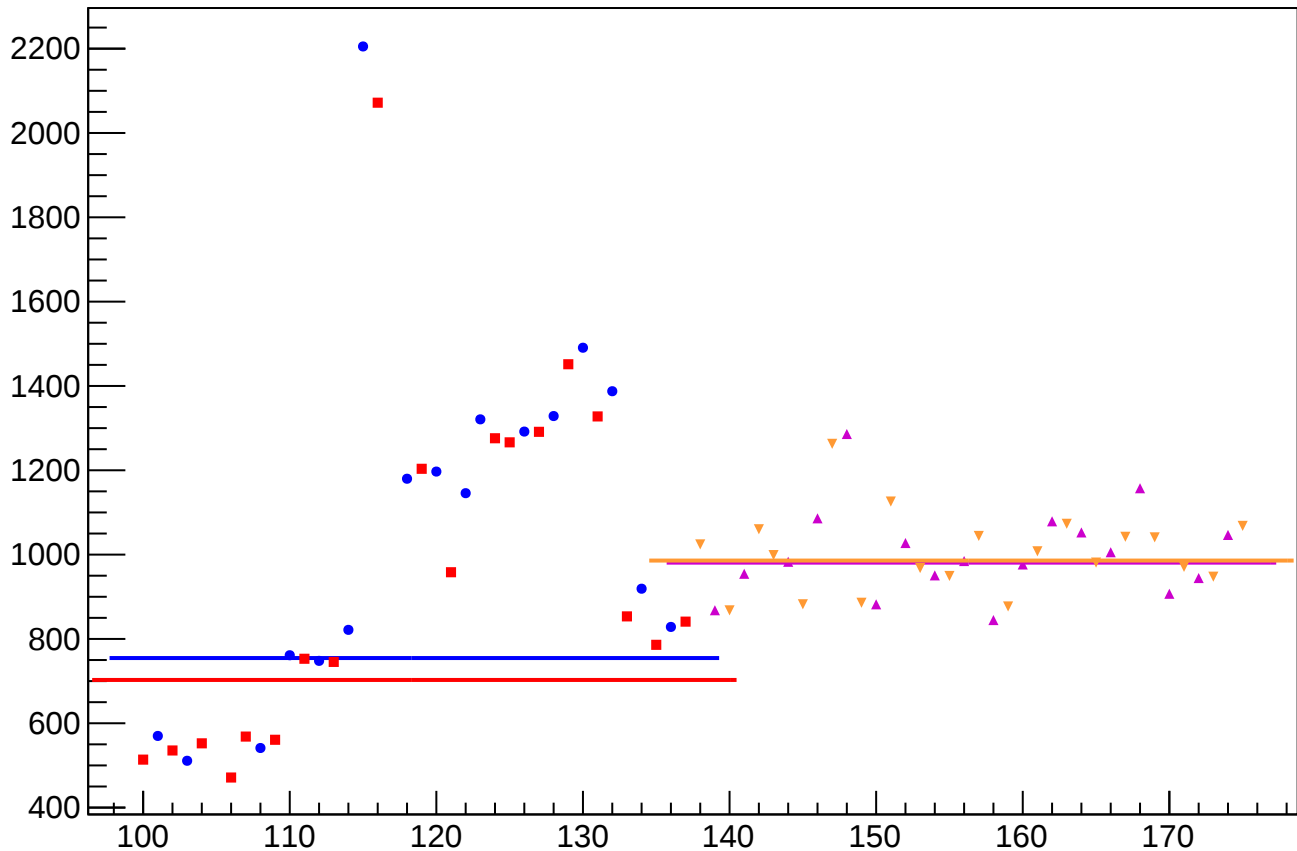
Left In: -60.624+/-263.842 χ^2/NDF : 33.6/17

+ sign 329.904+/-198.152 χ^2/NDF : 36.4/36

All: 256.185+/-138.238 χ^2/NDF : 95.1/73

- sign 186.288+/-192.948 χ^2/NDF : 58.4/36

asym_sam5_rms vs Slug



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 985.890 $\pm$ 0.181 χ^2 /NDF: 240851.0/19

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

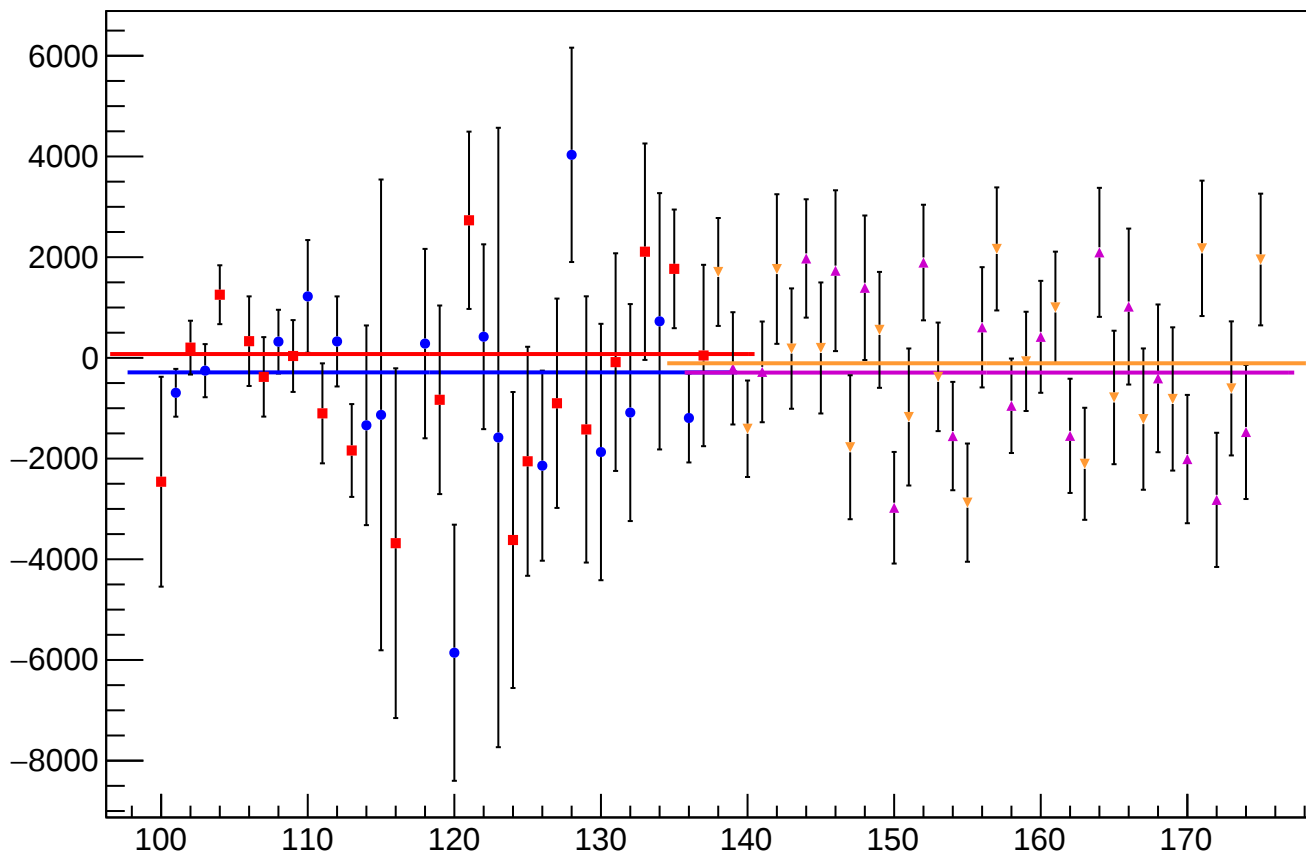
Left In: 980.973 $\pm$ 0.187 χ^2 /NDF: 274822.4/17

+ sign 893.415 $\pm$ 0.140 χ^2 /NDF: 2584950.4/36

All: 871.916 $\pm$ 0.098 χ^2 /NDF: 5632043.8/73

- sign 851.531 $\pm$ 0.136 χ^2 /NDF: 3001226.1/36

asym_sam6_mean vs Slug



Right In: -288.037 ± 250.436 χ^2/NDF : 16.2/16

Left Out: -107.163 ± 270.492 χ^2/NDF : 28.7/19

Right Out: 76.119 ± 246.083 χ^2/NDF : 21.4/18

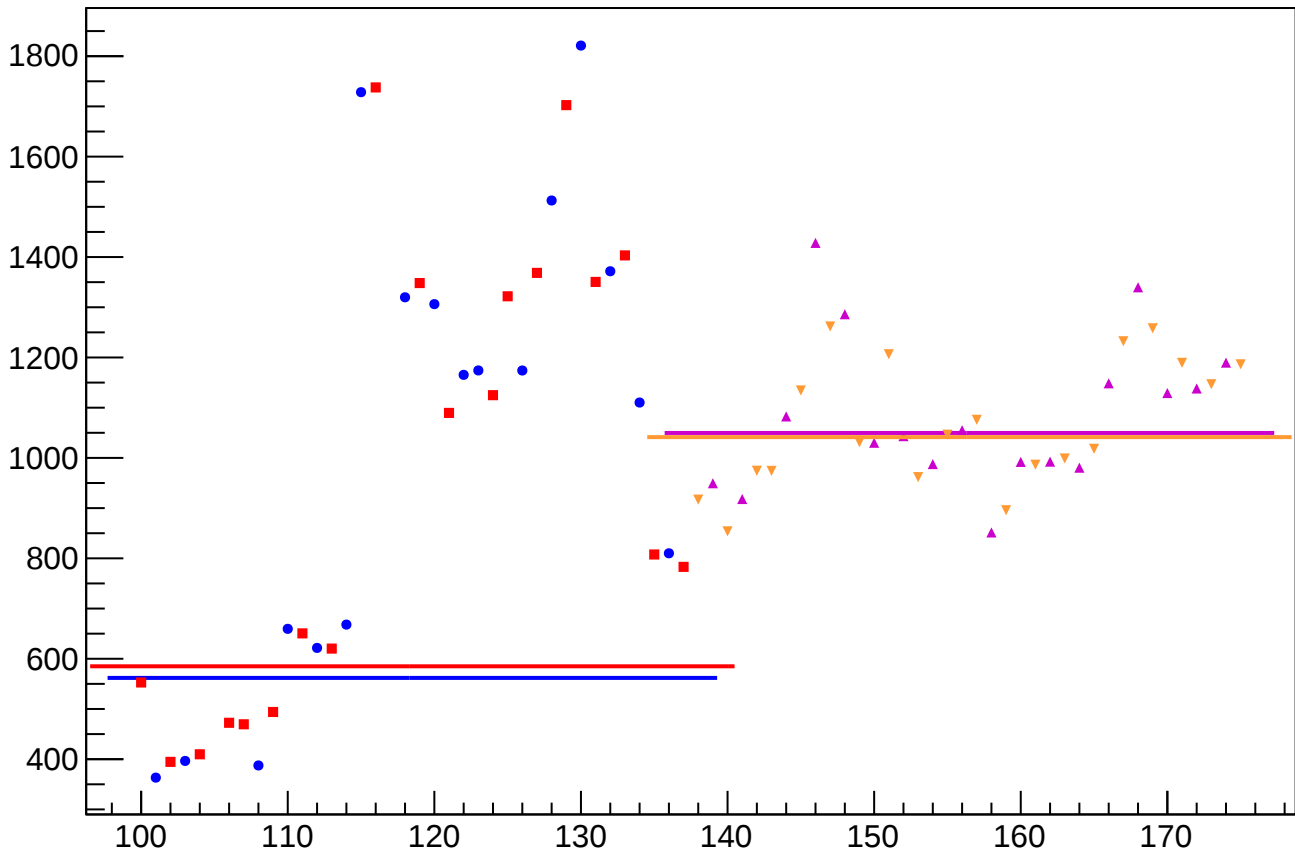
Left In: -292.206 ± 282.858 χ^2/NDF : 30.7/17

+ sign -204.553 ± 183.766 χ^2/NDF : 45.1/36

All: -144.181 ± 130.606 χ^2/NDF : 98.3/73

- sign -82.559 ± 185.657 χ^2/NDF : 53.0/36

asym_sam6_rms vs Slug



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1041.377 $\pm$ 0.191 χ^2 /NDF:410705.4/19

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

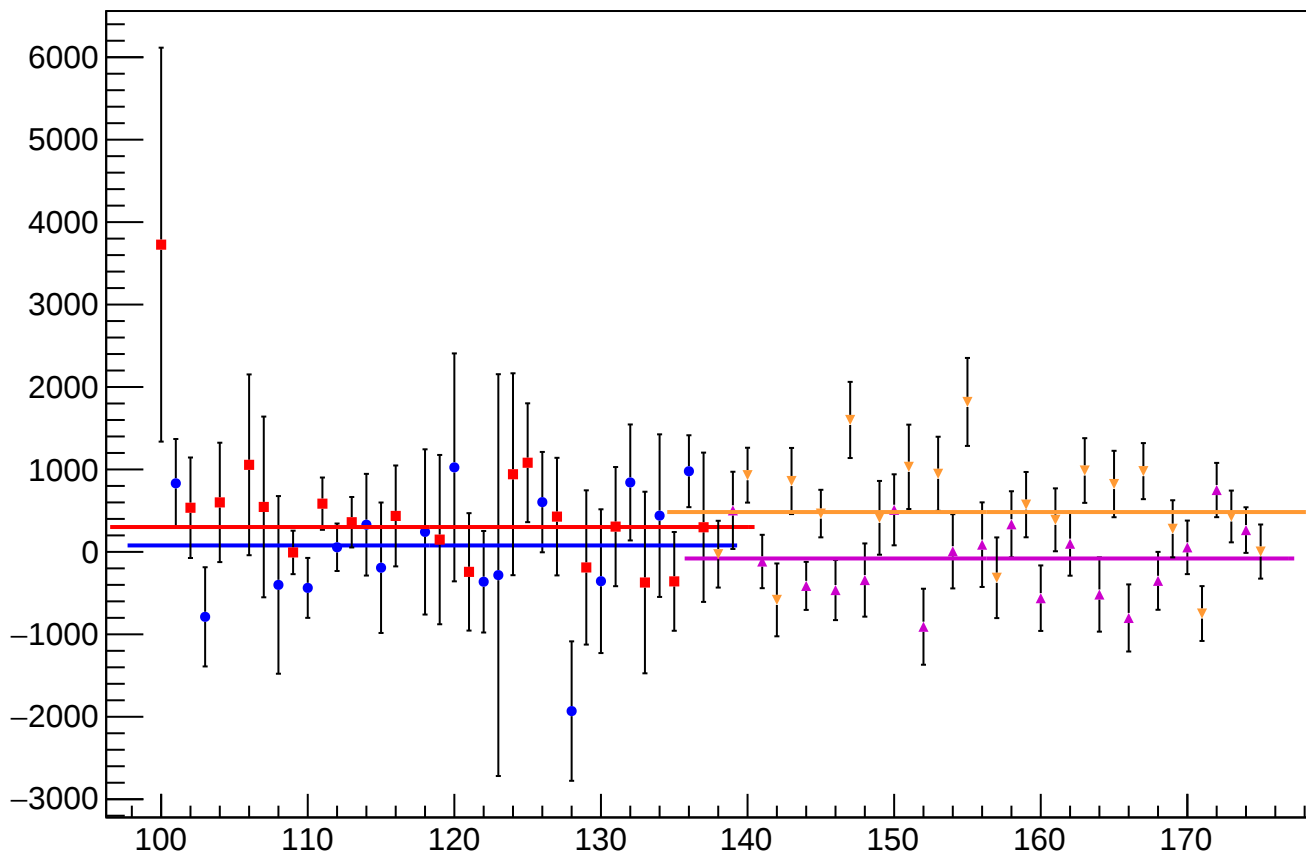
Left In: 1049.692 $\pm$ 0.200 χ^2 /NDF:456815.4/17

+ sign 783.202 $\pm$ 0.130 χ^2 /NDF: 7011190.1/36

All: 784.186 $\pm$ 0.092 χ^2 /NDF: 13365093.9/73

- sign 785.190 $\pm$ 0.131 χ^2 /NDF: 6353788.0/36

asym_sam7_mean vs Slug



Right In: 78.184 $\pm$ 142.869 χ^2 /NDF: 19.8/16

Left Out: 483.293 $\pm$ 85.752 χ^2 /NDF: 47.9/19

Right Out: 301.651 $\pm$ 129.650 χ^2 /NDF: 9.1/18

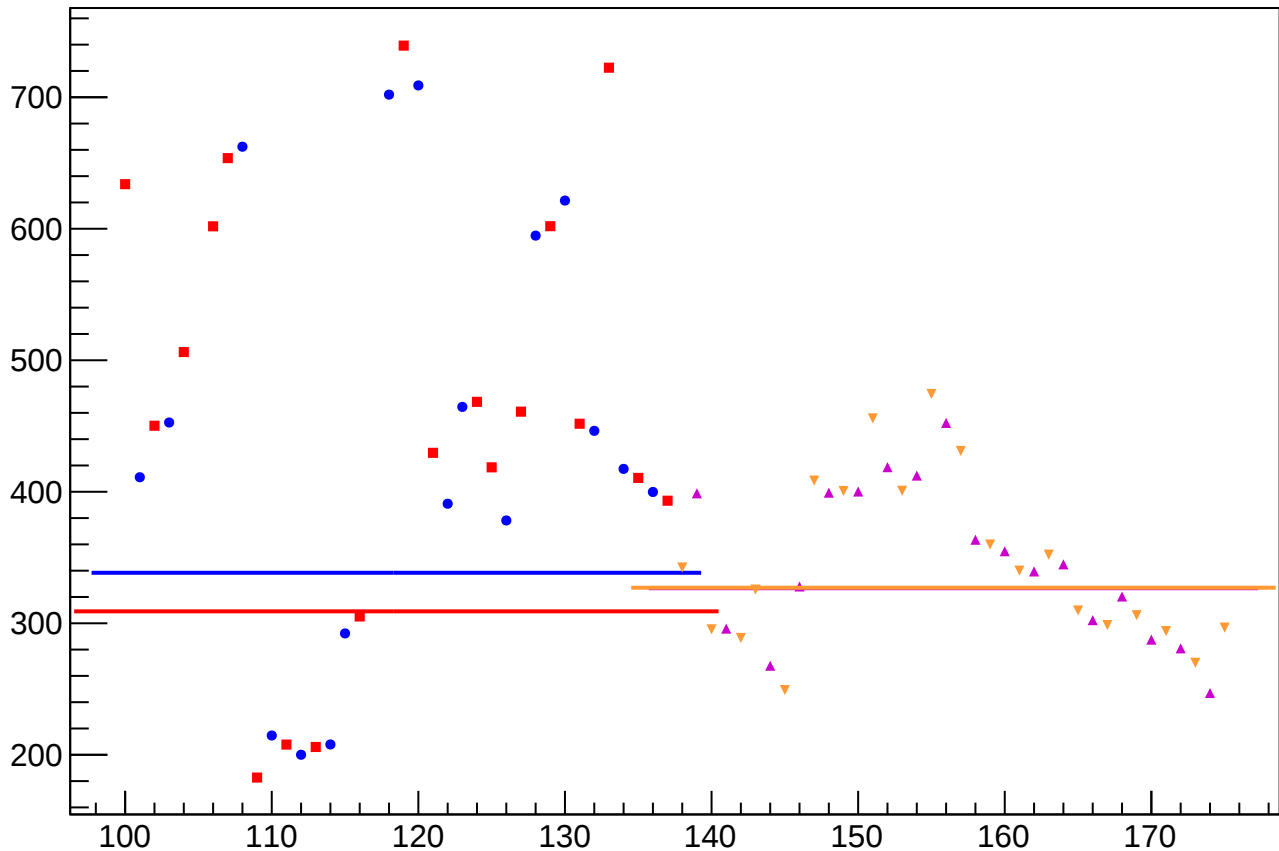
Left In: -79.915 $\pm$ 88.602 χ^2 /NDF: 25.1/17

+ sign 376.003 $\pm$ 73.525 χ^2 /NDF: 73.6/36

All: 207.930 $\pm$ 51.857 χ^2 /NDF: 124.1/73

- sign 41.557 $\pm$ 73.152 χ^2 /NDF: 40.1/36

asym_sam7_rms vs Slug



Right In: 338.408 ± 0.101 χ^2/NDF : 2009287.1/16

Left Out: 327.061 ± 0.061 χ^2/NDF : 873440.0/19

Right Out: 309.081 ± 0.092 χ^2/NDF : 2733465.5/18

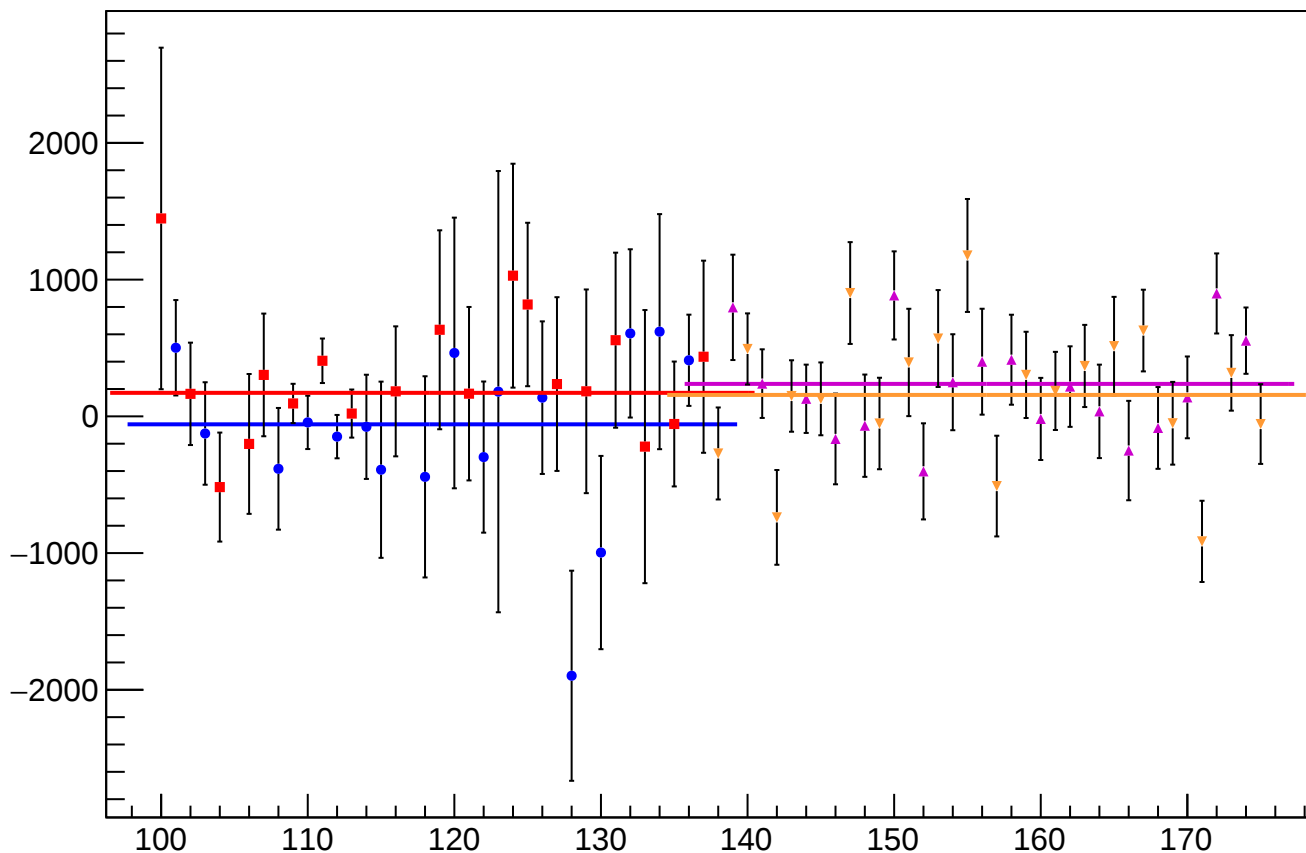
Left In: 326.661 ± 0.063 χ^2/NDF : 805127.9/17

+ sign 330.066 ± 0.052 χ^2/NDF : 2892001.2/36

All: 325.542 ± 0.037 χ^2/NDF : 6470725.8/73

- sign 321.064 ± 0.052 χ^2/NDF : 3563658.8/36

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 156.726 ± 70.030 $\chi^2/\text{NDF}: 44.0/19$

Right Out: 171.954 ± 76.920 $\chi^2/\text{NDF}: 11.3/18$

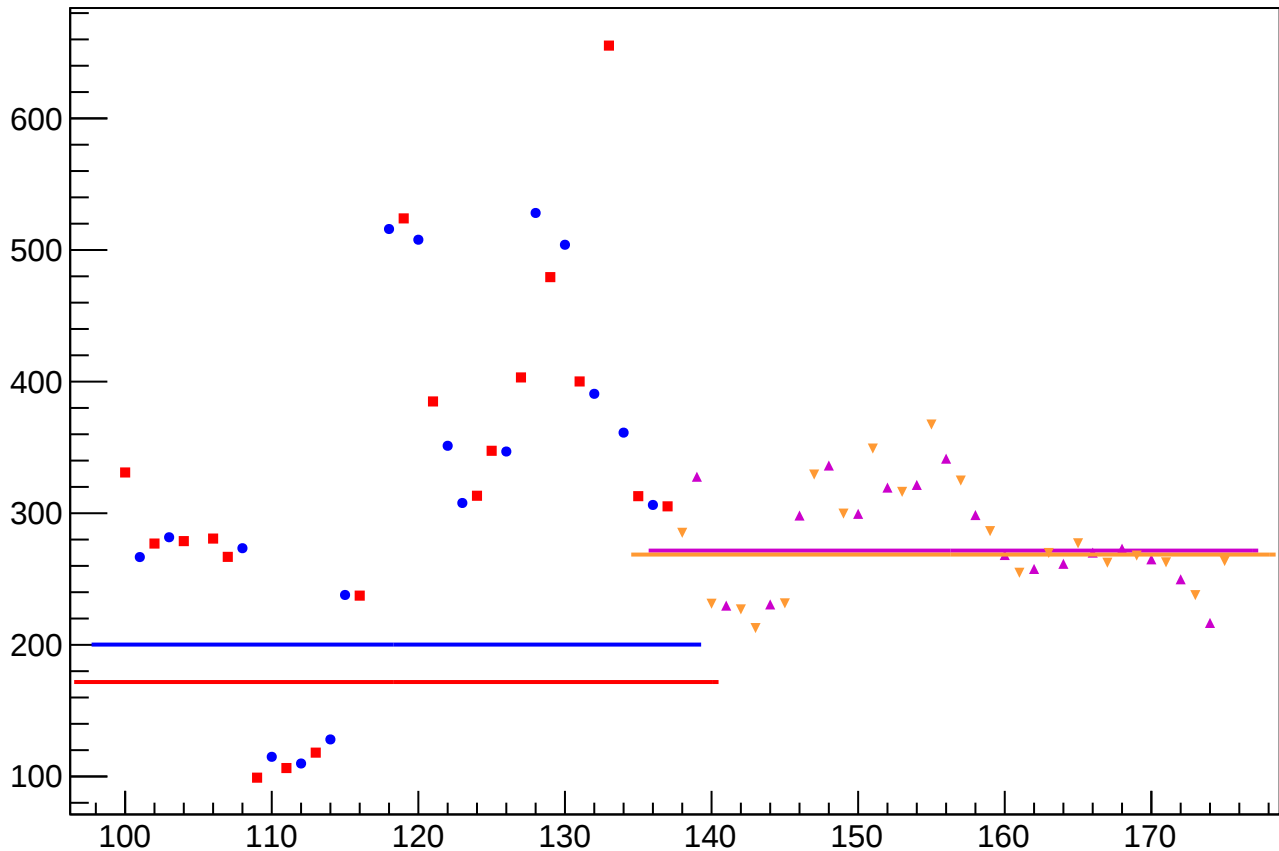
Left In: 237.367 ± 73.249 $\chi^2/\text{NDF}: 23.2/17$

+ sign 76.176 ± 55.381 $\chi^2/\text{NDF}: 63.4/36$

All: 144.018 ± 38.308 $\chi^2/\text{NDF}: 101.2/73$

- sign 206.258 ± 53.045 $\chi^2/\text{NDF}: 34.9/36$

asym_sam8_rms vs Slug



Right In: 200.209 $\pm$ 0.064 χ^2 /NDF: 3387197.7/16

Left Out: 268.598 $\pm$ 0.050 χ^2 /NDF: 596343.2/19

Right Out: 171.757 $\pm$ 0.054 χ^2 /NDF: 4093922.6/18

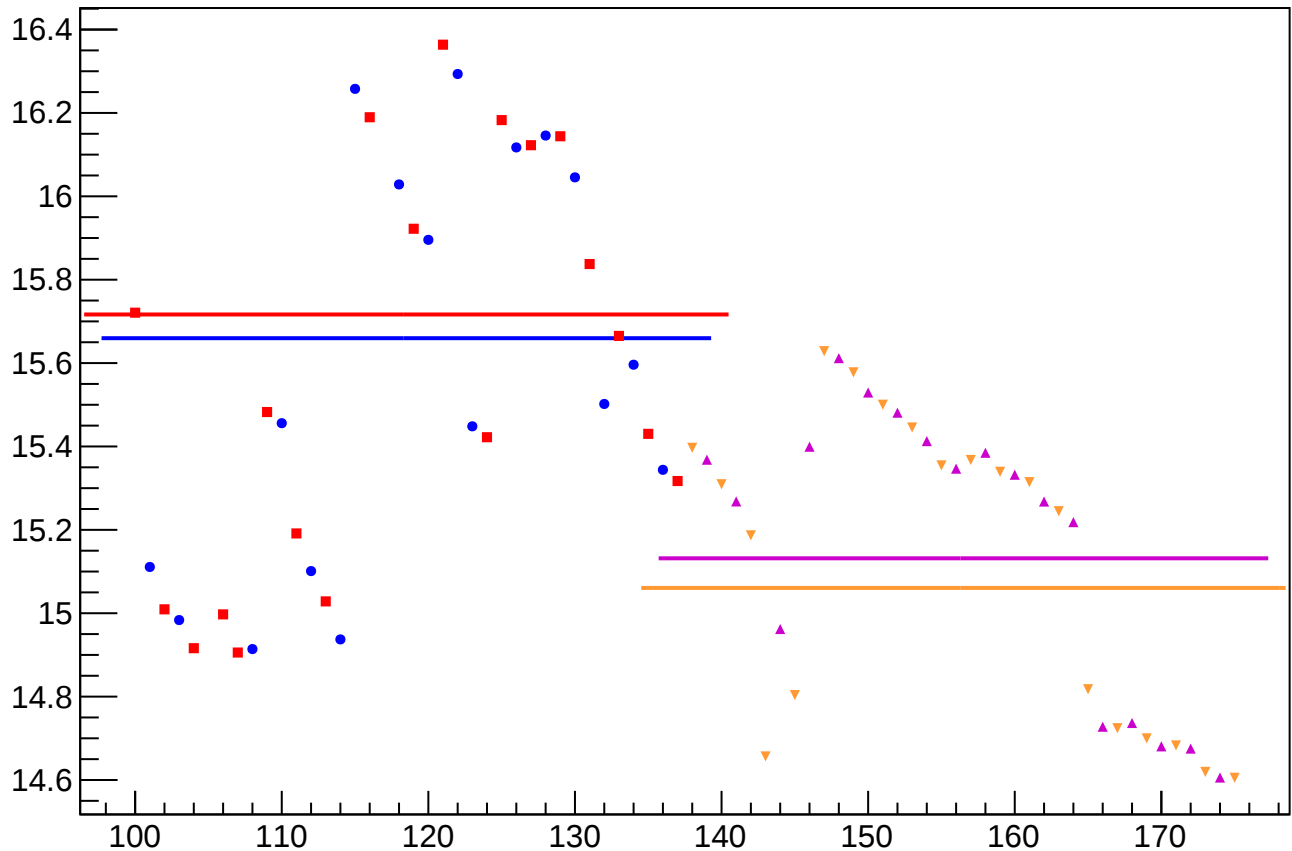
Left In: 271.607 $\pm$ 0.052 χ^2 /NDF: 516536.9/17

+ sign 242.979 $\pm$ 0.039 χ^2 /NDF: 4698049.9/36

All: 233.144 $\pm$ 0.027 χ^2 /NDF: 11196855.7/73

- sign 224.121 $\pm$ 0.038 χ^2 /NDF: 6377871.9/36

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.061 $\pm$ 0.000 χ^2 /NDF: 15841553035.7/19

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

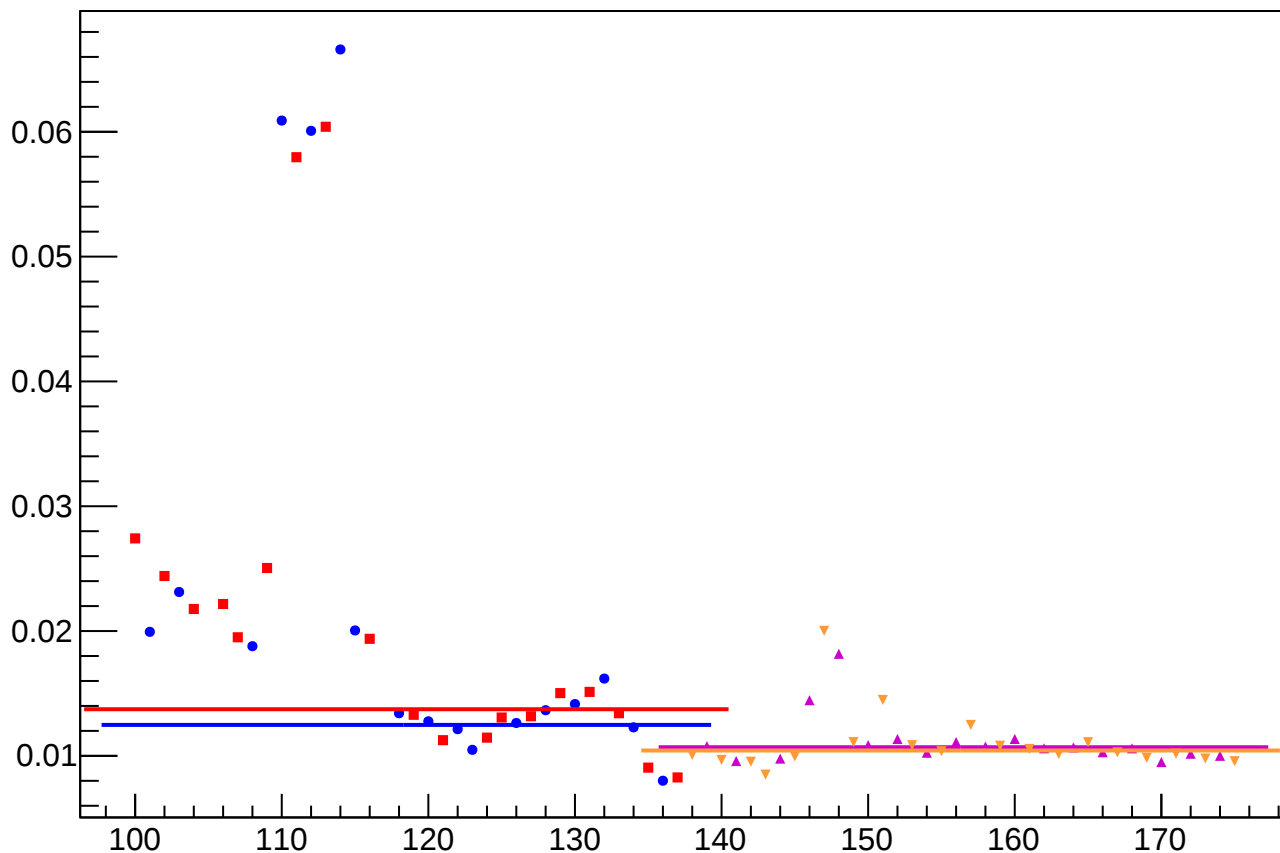
Left In: 15.132 $\pm$ 0.000 χ^2 /NDF: 12377788881.4/17

+ sign 15.183 $\pm$ 0.000 χ^2 /NDF: 31079895774.3/36

All: 15.214 $\pm$ 0.000 χ^2 /NDF: 57151000104.8

- sign 15.249 $\pm$ 0.000 χ^2 /NDF: 25740210366.4/36

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:623146.4/19

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

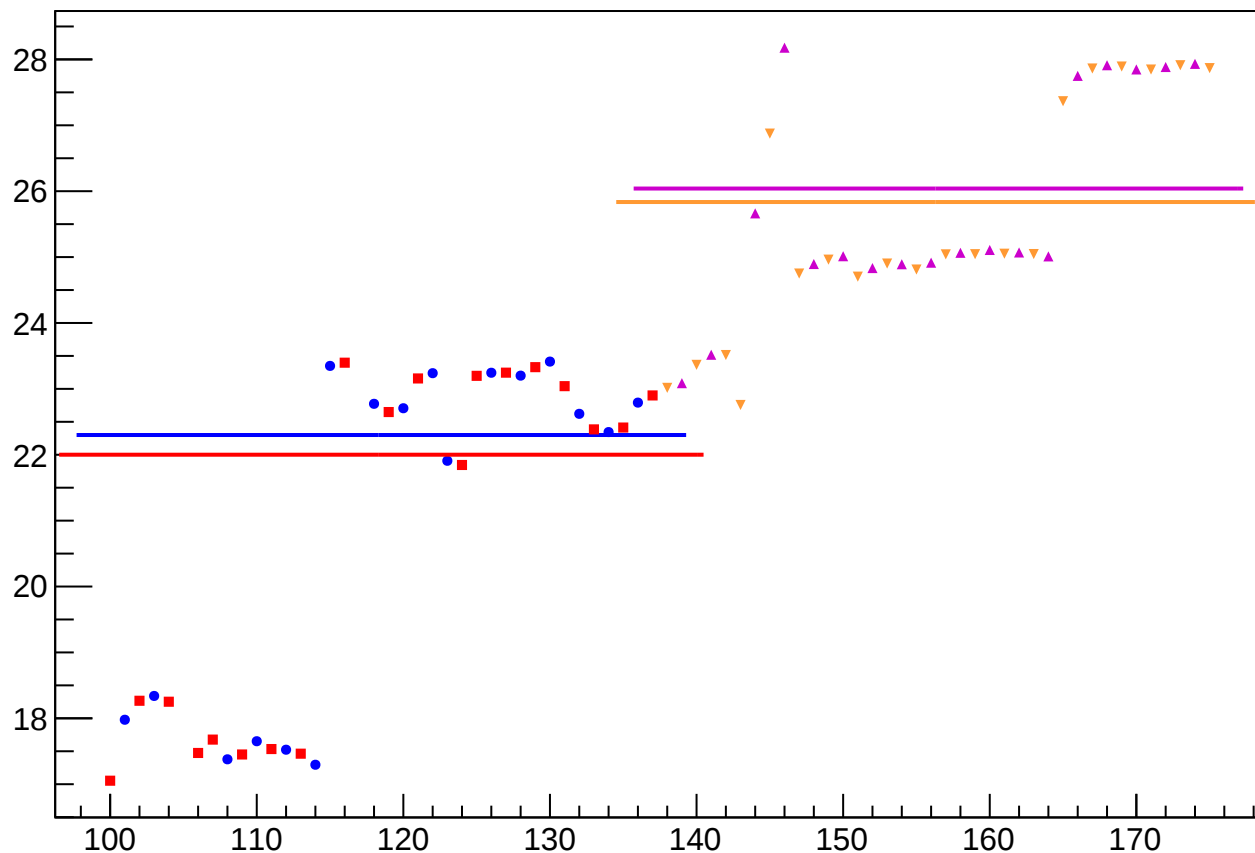
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:446533.6/17

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2997799.1/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5981496.3/73

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2952442.6/36

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 25.836+/-0.000 χ^2/NDF : 3349605613.2/19

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

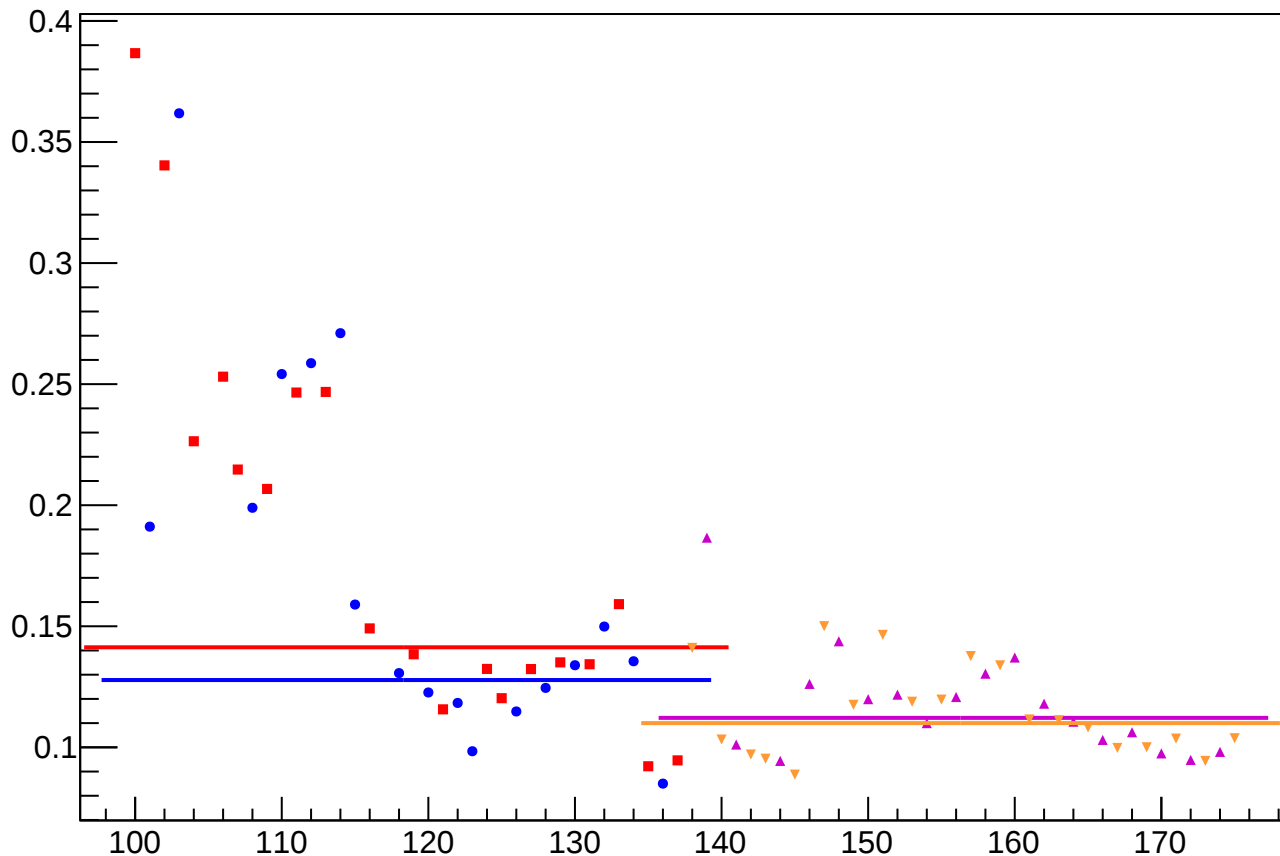
Left In: 26.040+/-0.000 χ^2/NDF : 2402676158.6/17

+ sign 25.038+/-0.000 χ^2/NDF : 7287204177.1/36

All: 25.085+/-0.000 χ^2/NDF : 14256117710.6

- sign 25.137+/-0.000 χ^2/NDF : 6962579864.1/36

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.110+/-0.000 χ^2/NDF : 566763.8/19

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

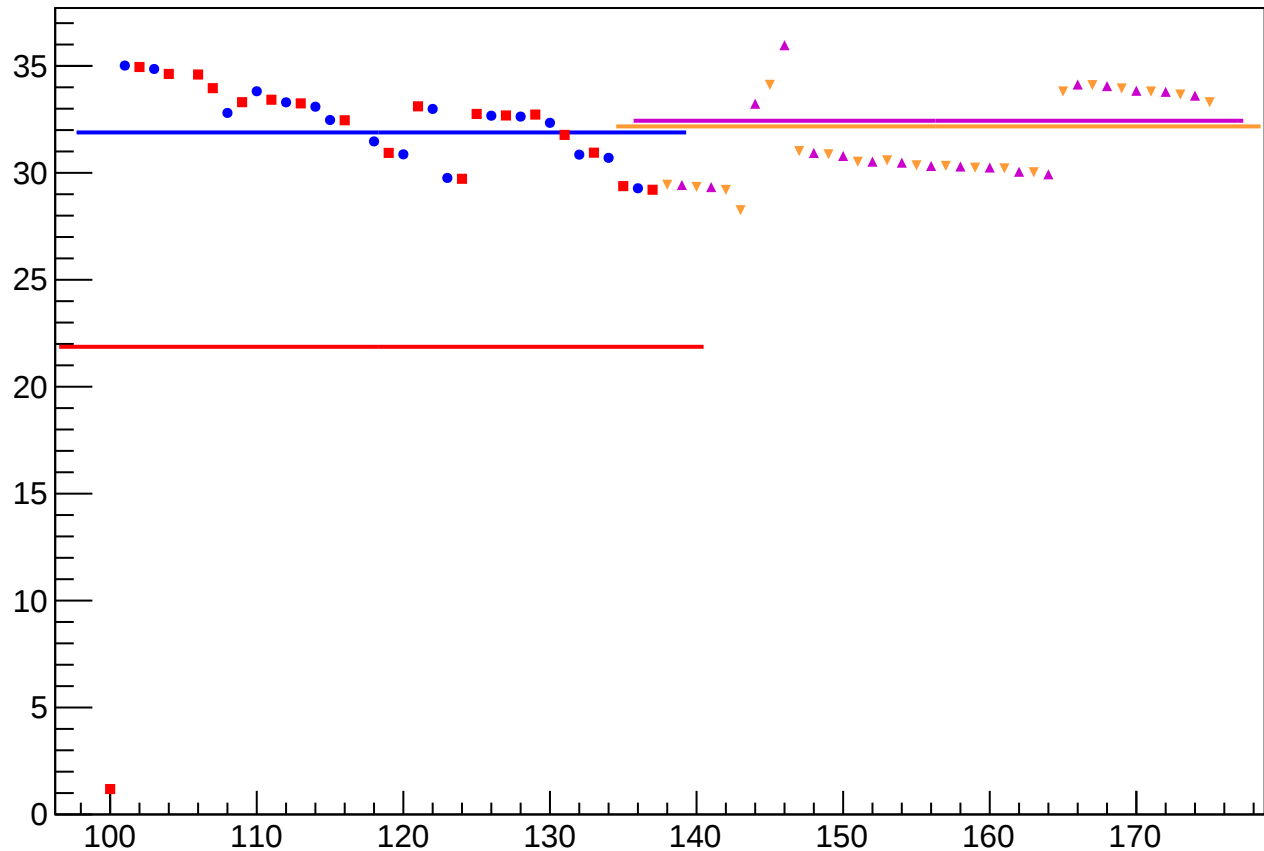
Left In: 0.112+/-0.000 χ^2/NDF : 600947.9/17

+ sign 0.114+/-0.000 χ^2/NDF : 2210644.3/36

All: 0.116+/-0.000 χ^2/NDF : 4652936.2/73

- sign 0.119+/-0.000 χ^2/NDF : 2413941.8/36

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 32.171+/-0.000 χ^2/NDF : 11755354728.4/19

Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18

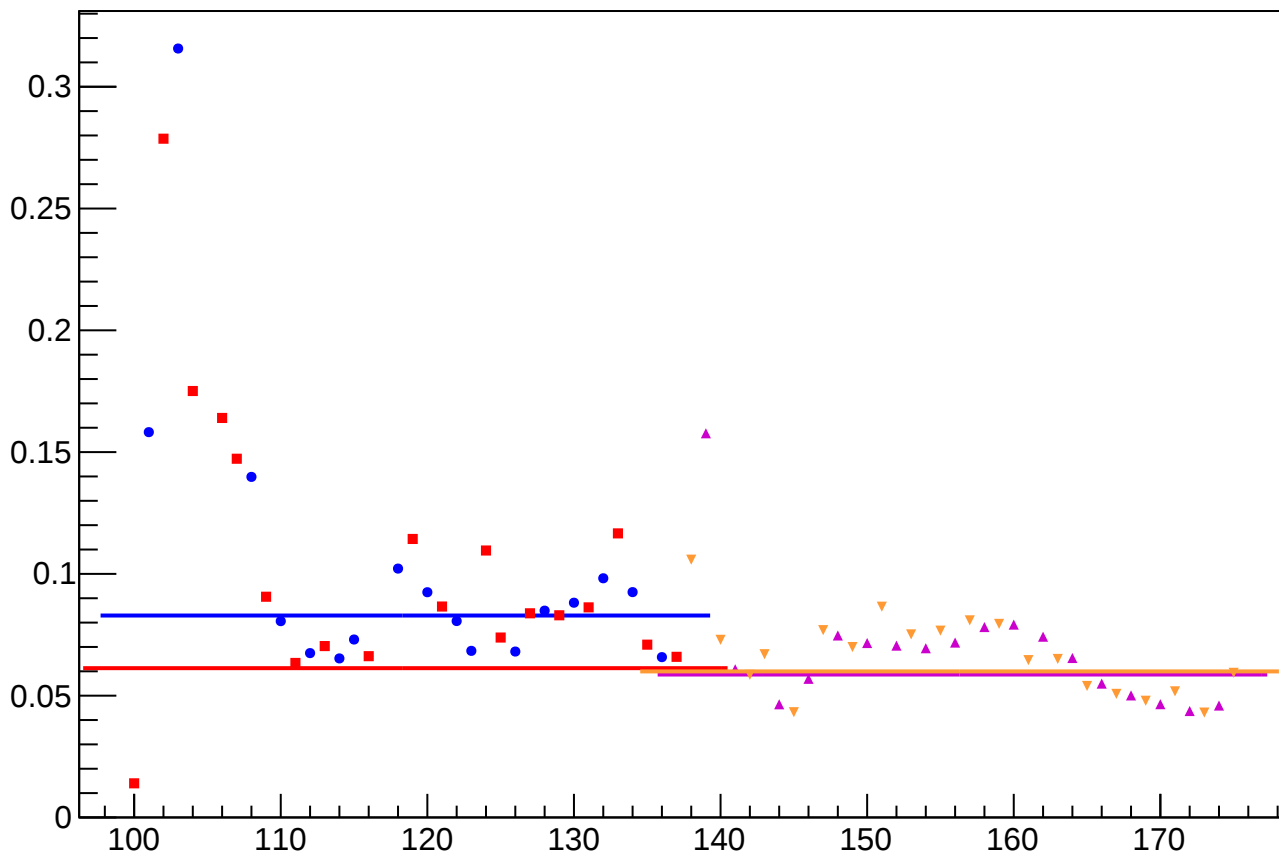
Left In: 32.436+/-0.000 χ^2/NDF : 11492336355.2/17

+ sign 32.120+/-0.000 χ^2/NDF : 13732074236.7/36

All: 30.876+/-0.000 χ^2/NDF : 355110807949.

- sign 29.705+/-0.000 χ^2/NDF : 329732905704.9/36

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.060 $\pm$ 0.000 χ^2 /NDF:1284401.1/19

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

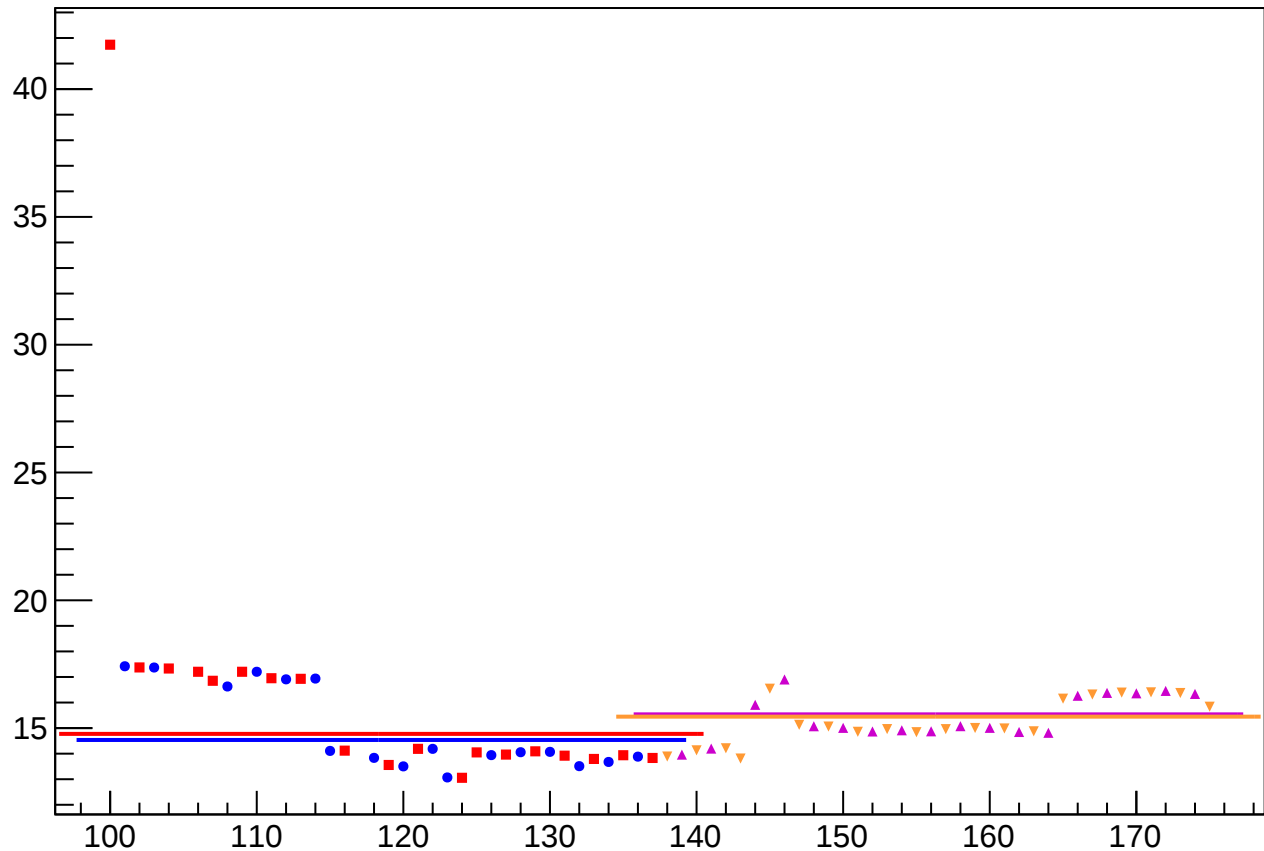
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF:1472408.9/17

+ sign 0.064 $\pm$ 0.000 χ^2 /NDF: 3061517.9/36

All: 0.062 $\pm$ 0.000 χ^2 /NDF: 8241337.6/73

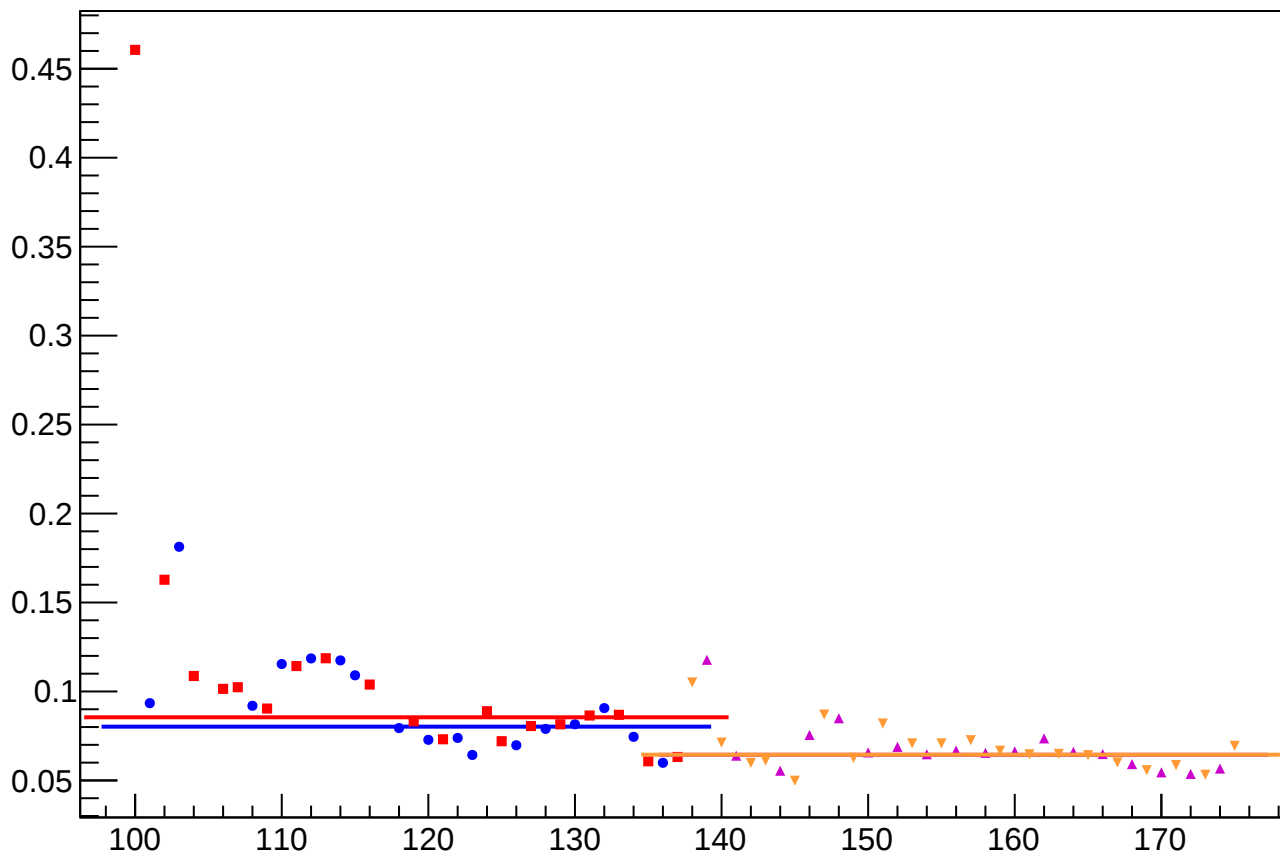
- sign 0.059 $\pm$ 0.000 χ^2 /NDF: 5087014.1/36

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000	χ^2/NDF : 1470499792.7/16	+ sign 15.248+/-0.000	χ^2/NDF : 4247625319.7/36
Left Out: 15.448+/-0.000	χ^2/NDF : 2219983341.7/19	All: 15.307+/-0.000	χ^2/NDF : 8338855403.2/36
Right Out: 14.774+/-0.000	χ^2/NDF : 1886755709.2/18	- sign 15.369+/-0.000	χ^2/NDF : 4063277451.7/36
Left In: 15.537+/-0.000	χ^2/NDF : 1810898927.6/17		

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 : 632790.4/19

Right Out: 0.085 ± 0.000 χ^2/NDF : 738043.0/18

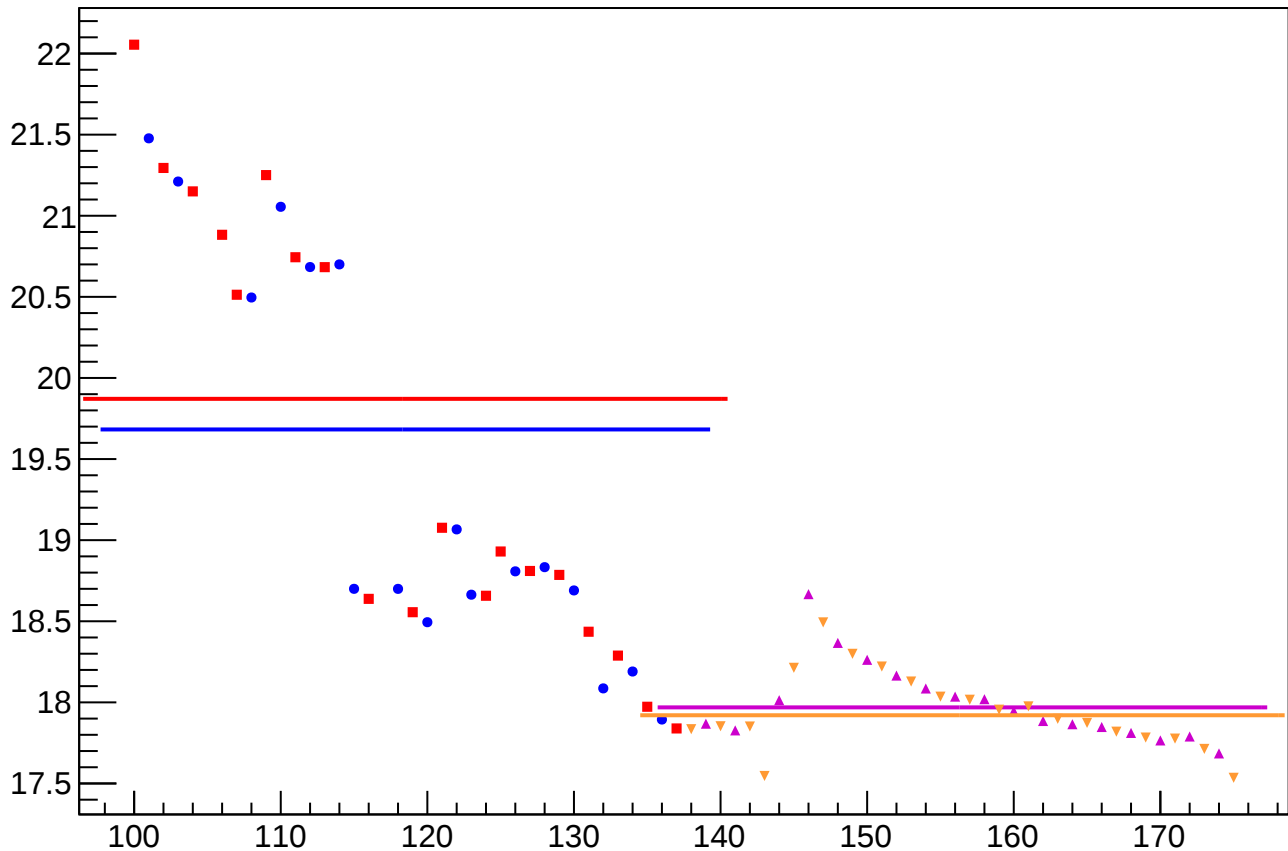
Left In: 0.064 ± 0.000 χ^2/NDF : 602373.2/17

+ sign 0.068 ± 0.000 χ^2/NDF : 1744009.8/36

All: 0.068 ± 0.000 χ^2/NDF : 3646844.1/73

- sign 0.069 ± 0.000 χ^2/NDF : 1898193.8/36

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.921+/-0.000 χ^2/NDF : 715783825.7/19

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

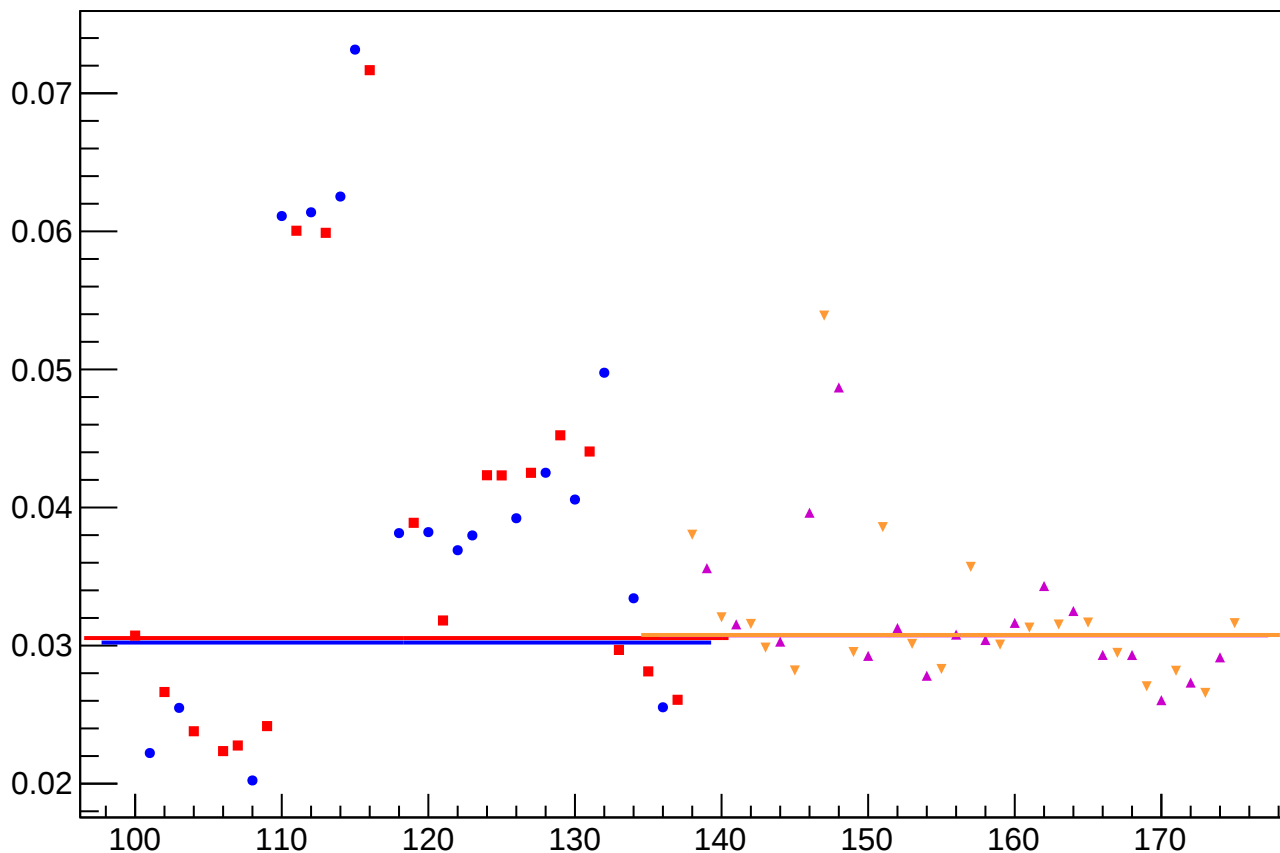
Left In: 17.969+/-0.000 χ^2/NDF : 640703428.4/17

+ sign 18.430+/-0.000 χ^2/NDF : 26486997962.7/36

All: 18.493+/-0.000 χ^2/NDF : 54414416566.3

- sign 18.558+/-0.000 χ^2/NDF : 27756346870.4/36

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 : 532580.1/19

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

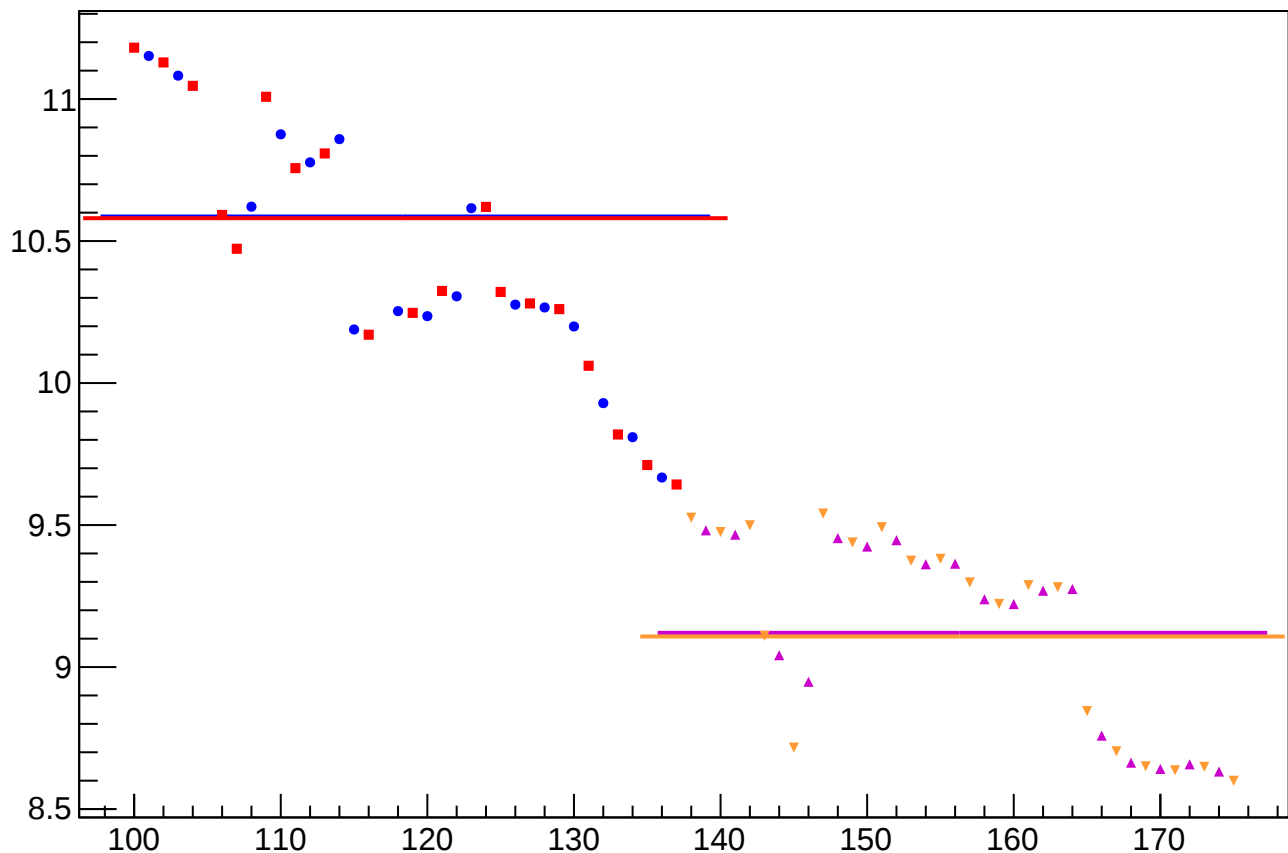
Left In: 0.031+/-0.000 χ^2/NDF : 437215.1/17

+ sign 0.031+/-0.000 χ^2/NDF : 1859704.2/36

All: 0.031+/-0.000 χ^2/NDF : 3487103.8/73

- sign 0.031+/-0.000 χ^2/NDF : 1627290.7/36

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.108 $\pm$ 0.000 χ^2 /NDF: 4398860758.8/19

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5763852721.2/18

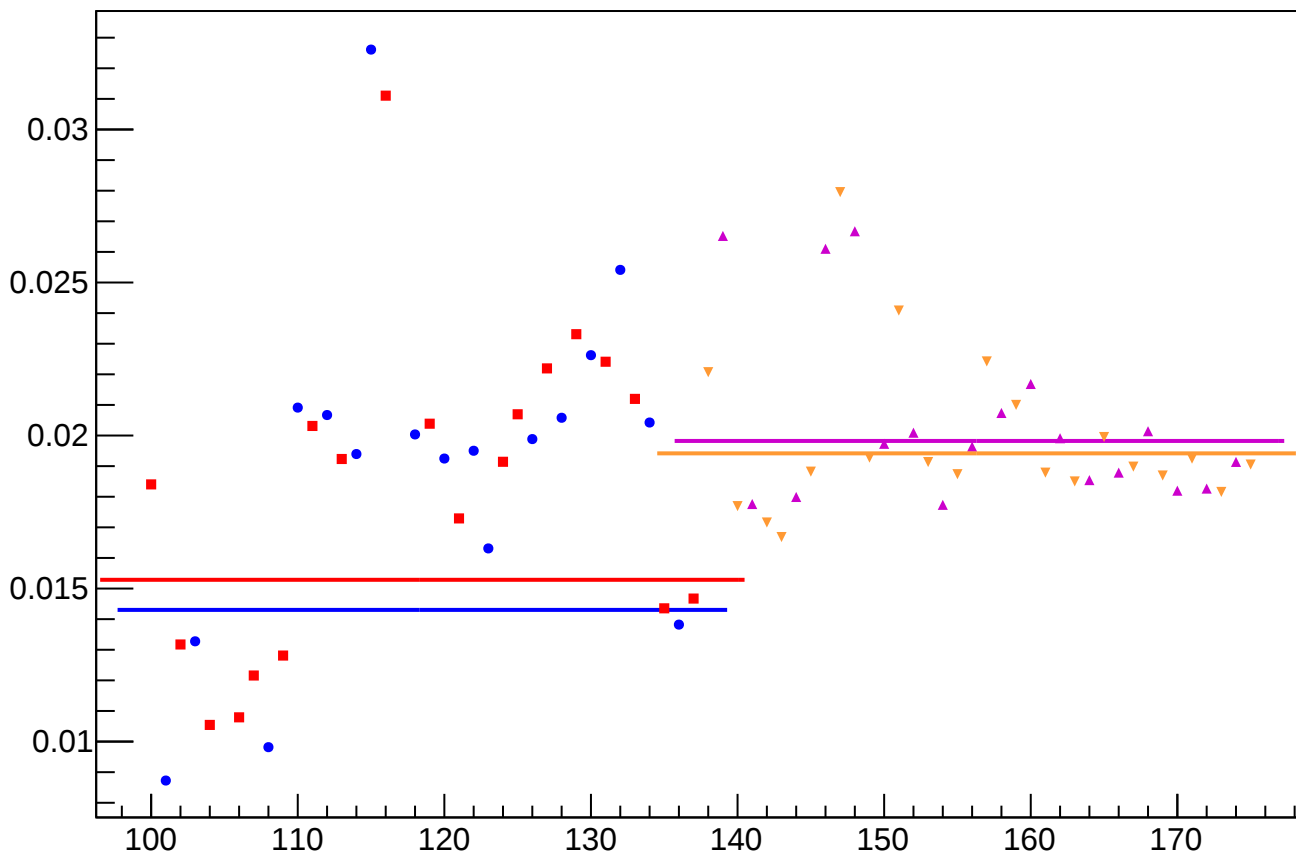
Left In: 9.120 $\pm$ 0.000 χ^2 /NDF: 3345053237.5/17

+ sign 9.725 $\pm$ 0.000 χ^2 /NDF: 44969783688.2/36

All: 9.742 $\pm$ 0.000 χ^2 /NDF: 84396286217.5/7

- sign 9.759 $\pm$ 0.000 χ^2 /NDF: 39391417075.0/36

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 : 327256.6/19

Right Out: 0.015+/-0.000 χ^2/NDF : 989017.0/18

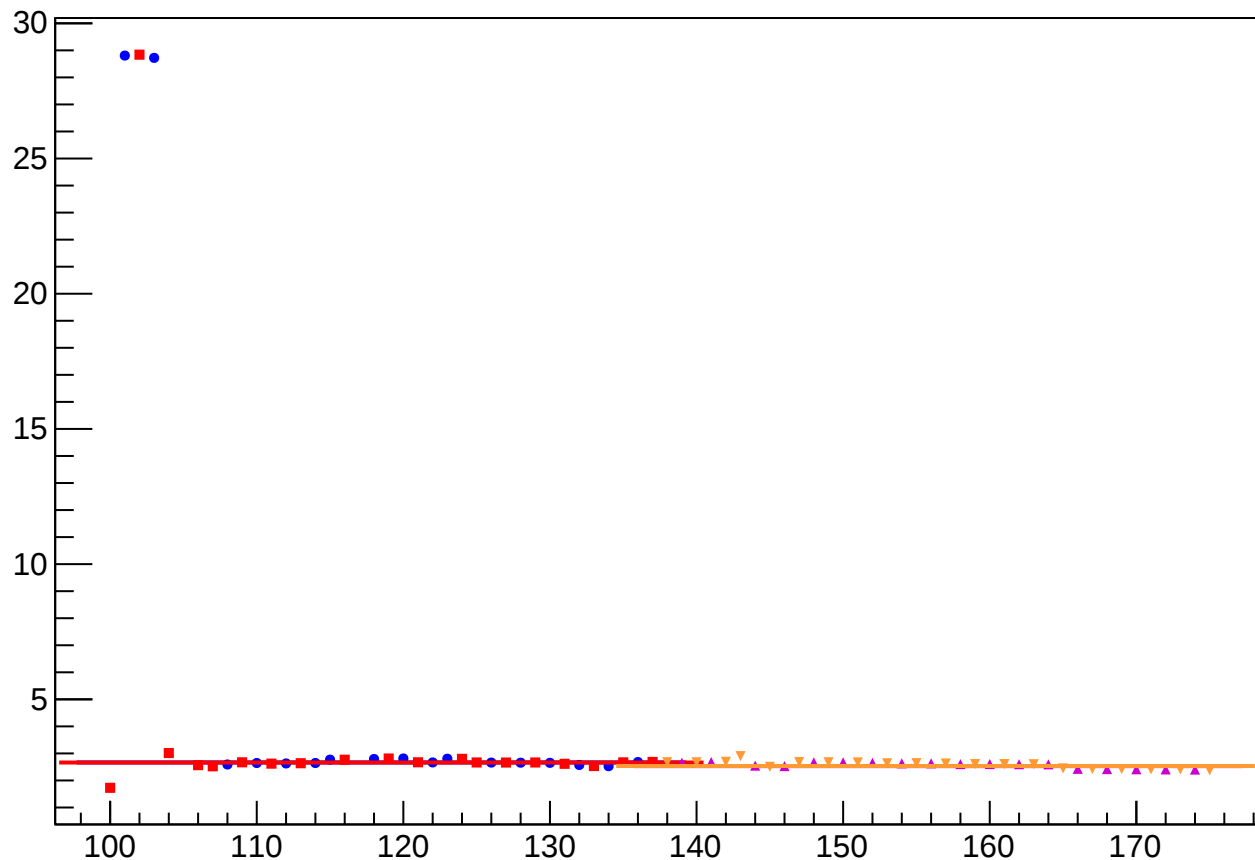
Left In: 0.020+/-0.000 χ^2/NDF : 379463.1/17

+ sign 0.017+/-0.000 χ^2/NDF : 2528561.5/36

All: 0.018+/-0.000 χ^2/NDF : 4500477.2/73

- sign 0.018+/-0.000 χ^2/NDF : 1953381.4/36

yield_sam7_mean vs Slug



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.535 $\pm$ 0.000 χ^2 /NDF: 46554234471.2/19

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

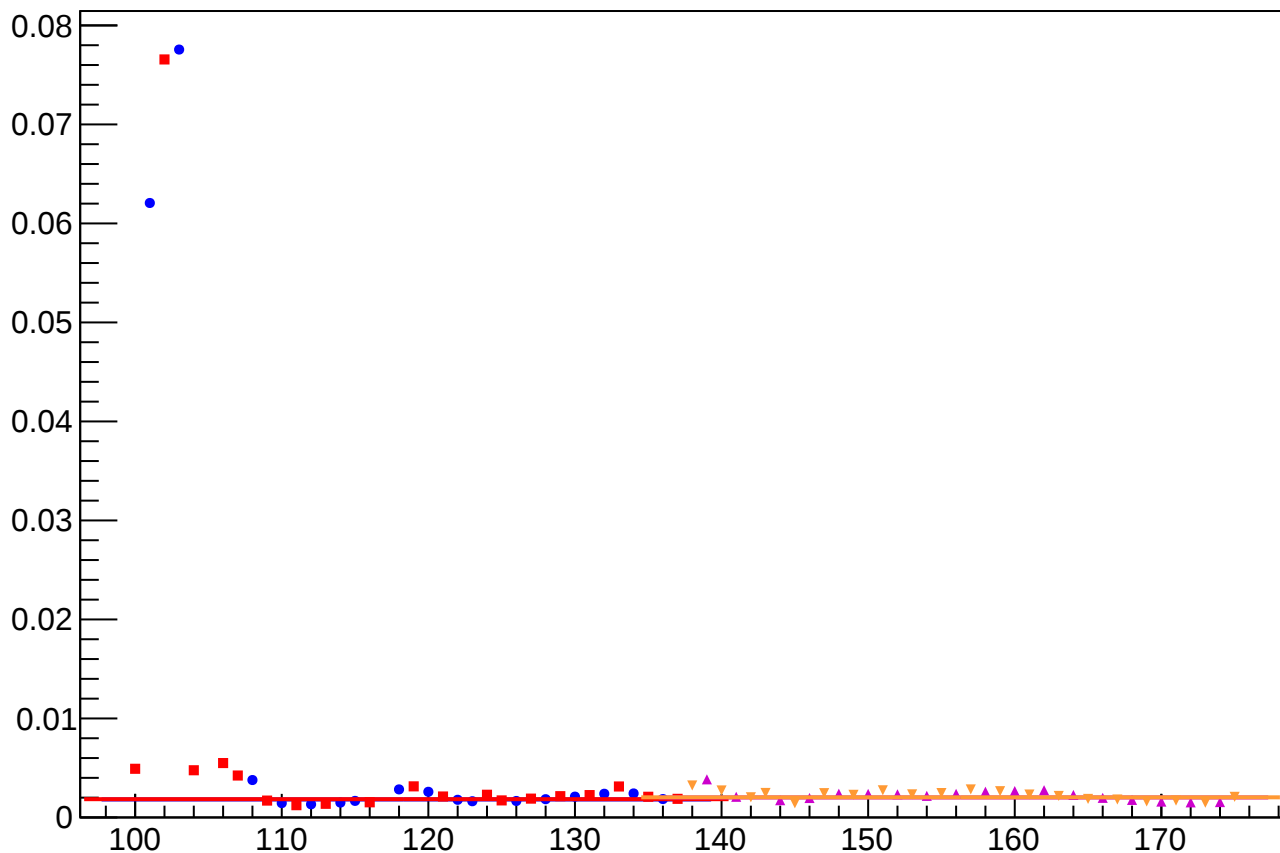
Left In: 2.531 $\pm$ 0.000 χ^2 /NDF: 31743233219.3/17

+ sign 2.576 $\pm$ 0.000 χ^2 /NDF: 225576942759.8/36

All: 2.576 $\pm$ 0.000 χ^2 /NDF: 344207191482.0

- sign 2.576 $\pm$ 0.000 χ^2 /NDF: 118629501490.9/36

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:1249666.9/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2331228.4/18

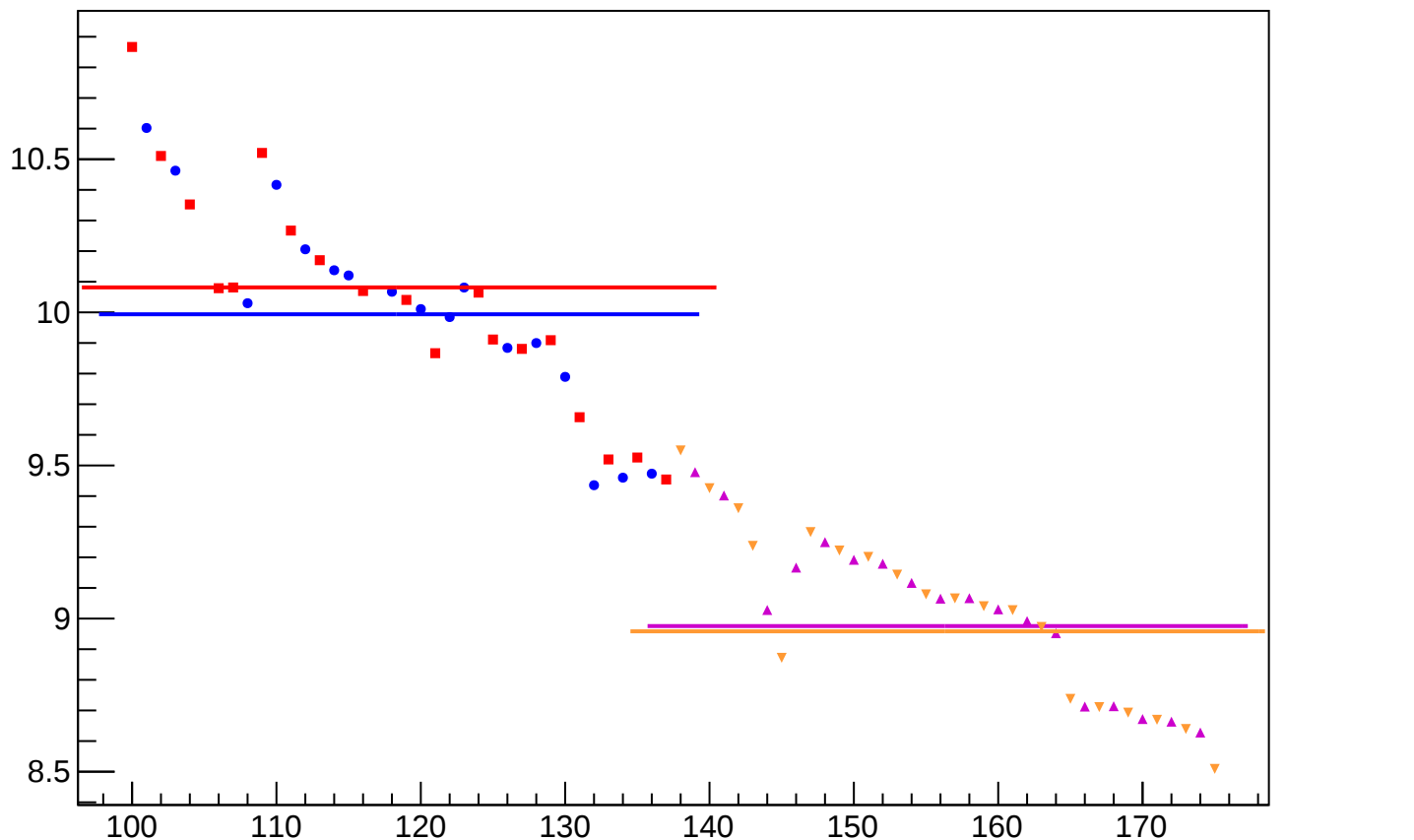
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1115246.4/17

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3997055.2/36

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7499334.1/73

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3502180.4/36

yield_sam8_mean vs Slug



Right In: 9.994 ± 0.000 χ^2/NDF : 18815741664.6/16

Left Out: 8.958 ± 0.000 χ^2/NDF : 21976668669.4/19

Right Out: 10.082 ± 0.000 χ^2/NDF : 15502695798.7/18

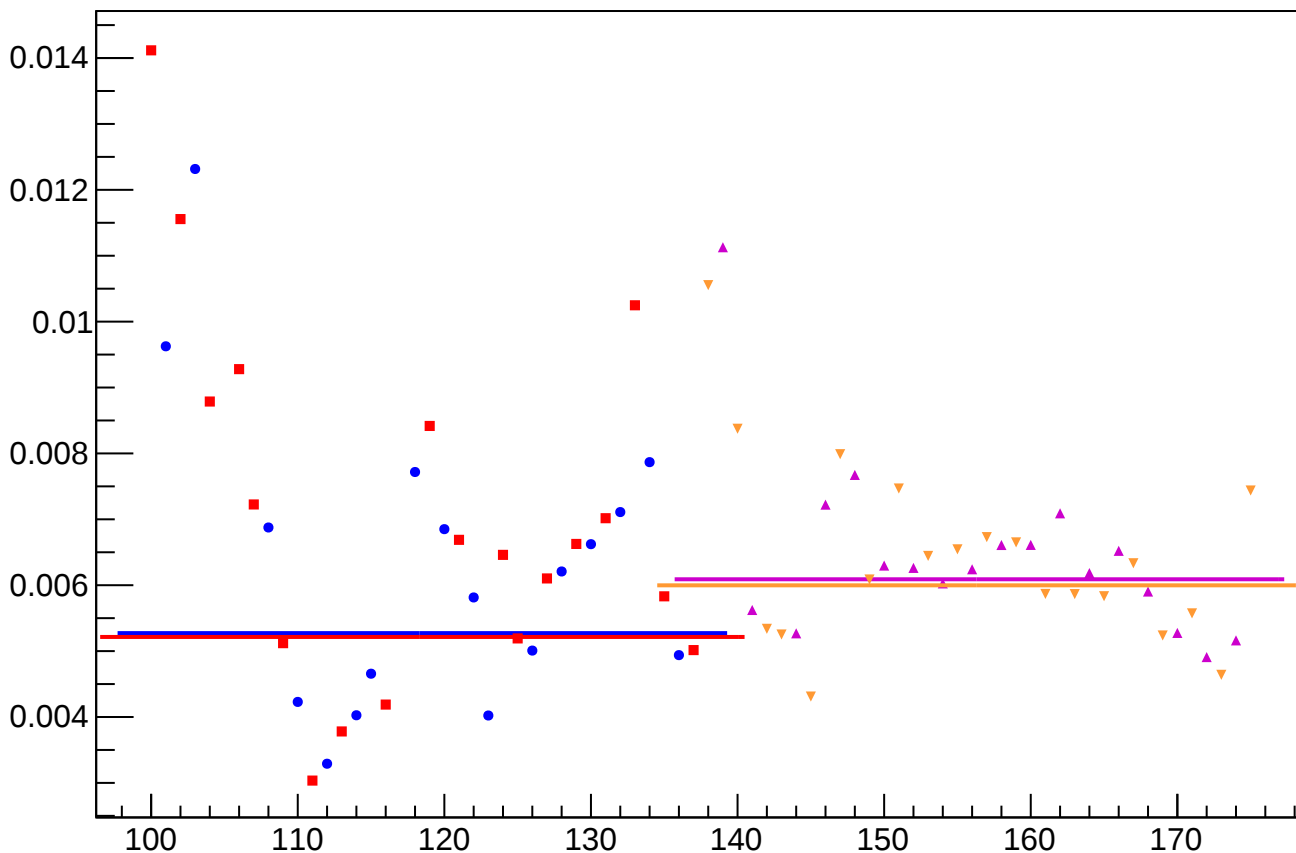
Left In: 8.976 ± 0.000 χ^2/NDF : 18281670183.3/17

+ sign 9.322 ± 0.000 χ^2/NDF : 166508503424.0/36

All: 9.362 ± 0.000 χ^2/NDF : 346135529689.4

- sign 9.403 ± 0.000 χ^2/NDF : 177971629118.9/36

yield_sam8_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1245563.1/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:896631.2/19

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1657948.7/18

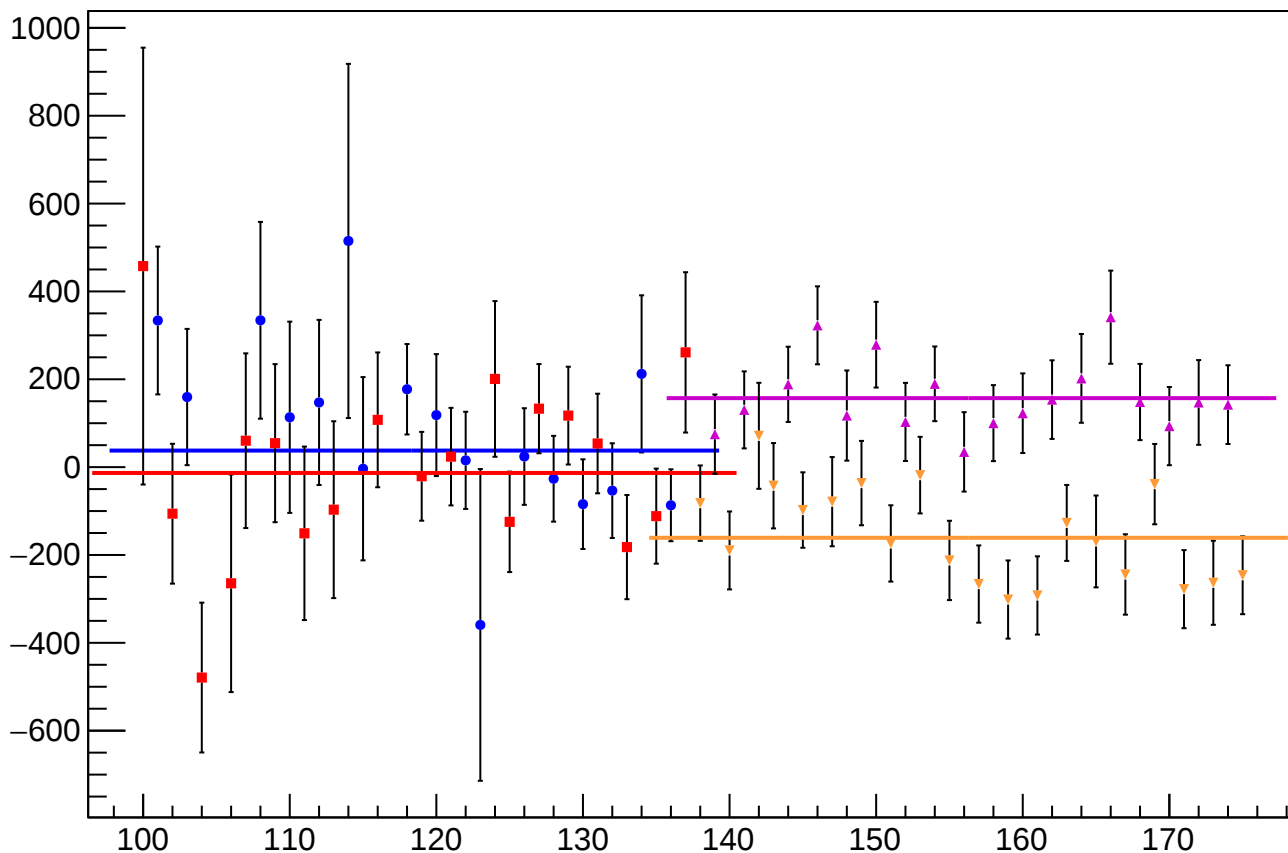
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:603815.9/17

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2265587.6/36

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4708024.5/73

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2442401.7/36

reg_asym_sam1_mean vs Slug



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -160.880 $\pm$ 20.523 χ^2 /NDF: 24.7/19

Right Out: -13.278 $\pm$ 32.066 χ^2 /NDF: 22.7/18

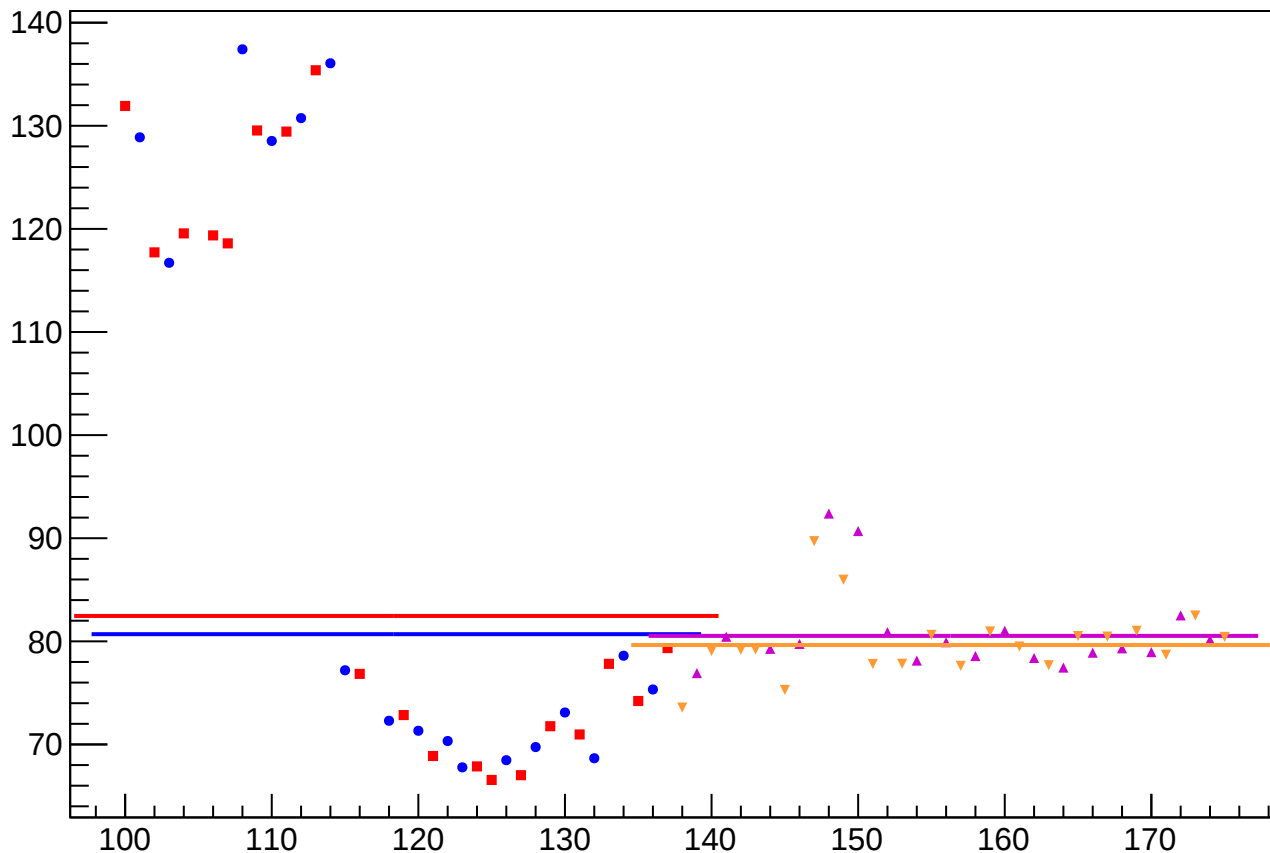
Left In: 157.067 $\pm$ 21.512 χ^2 /NDF: 12.9/17

+ sign -103.653 $\pm$ 17.315 χ^2 /NDF: 68.4/36

All: -2.975 $\pm$ 12.433 χ^2 /NDF: 193.3/73

- sign 104.197 $\pm$ 17.864 χ^2 /NDF: 55.1/36

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.642 $\pm$ 0.015 χ^2 /NDF: 51126.2/19

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

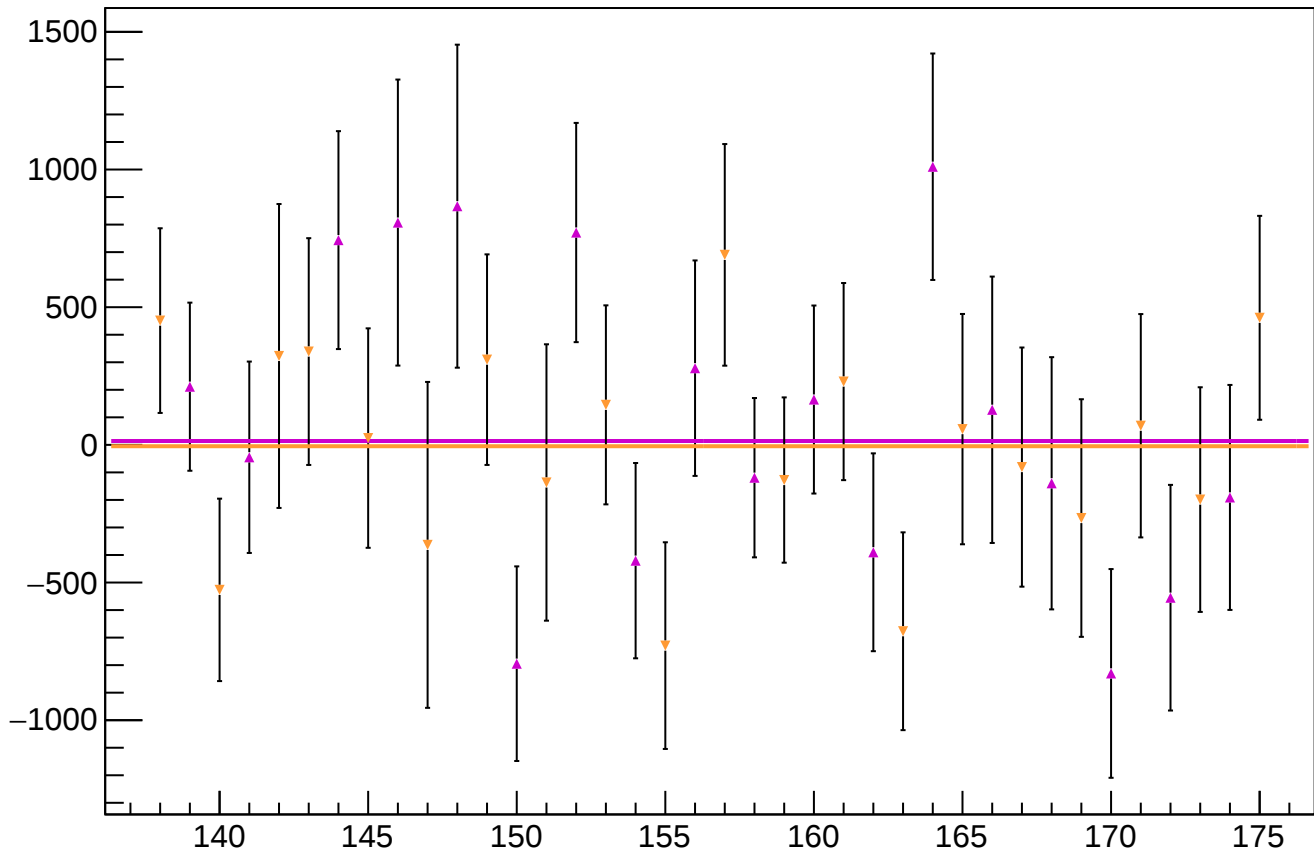
Left In: 80.530 $\pm$ 0.015 χ^2 /NDF: 60366.1/17

+ sign 79.945 $\pm$ 0.012 χ^2 /NDF: 866668.3/36

All: 80.519 $\pm$ 0.009 χ^2 /NDF: 1851465.2/73

- sign 81.130 $\pm$ 0.013 χ^2 /NDF: 980261.4/36

asym_sam1_correction_mean vs Slug



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

Left Out: -4.938 $\pm$ 87.540 χ^2 /NDF:19.7/19

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

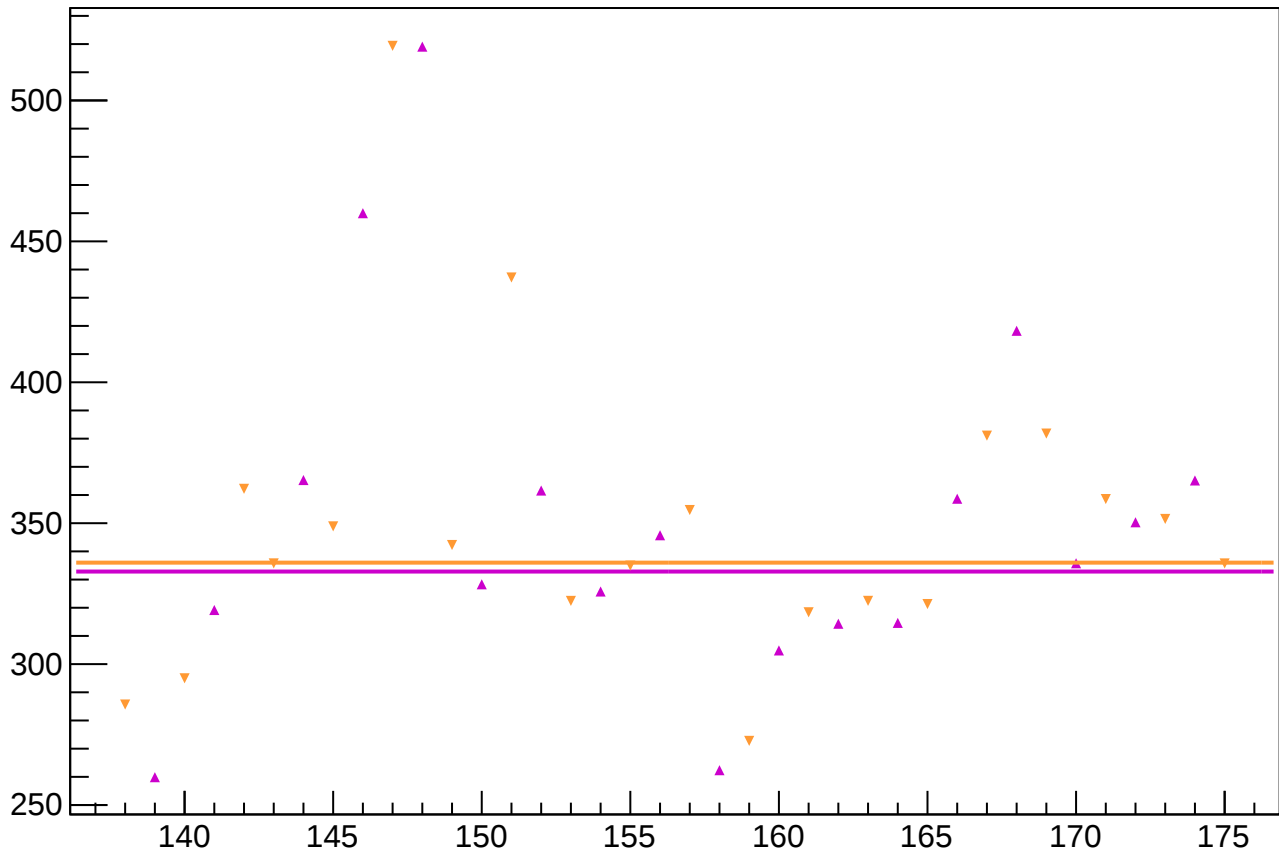
Left In: 14.025 $\pm$ 90.192 χ^2 /NDF:34.0/17

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

All: 4.260 $\pm$ 62.817 χ^2 /NDF: 53.7/37

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

asym_sam1_correction_rms vs Slug



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

Left Out: 336.009+/-0.062 χ^2/NDF : 515338.4/19

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

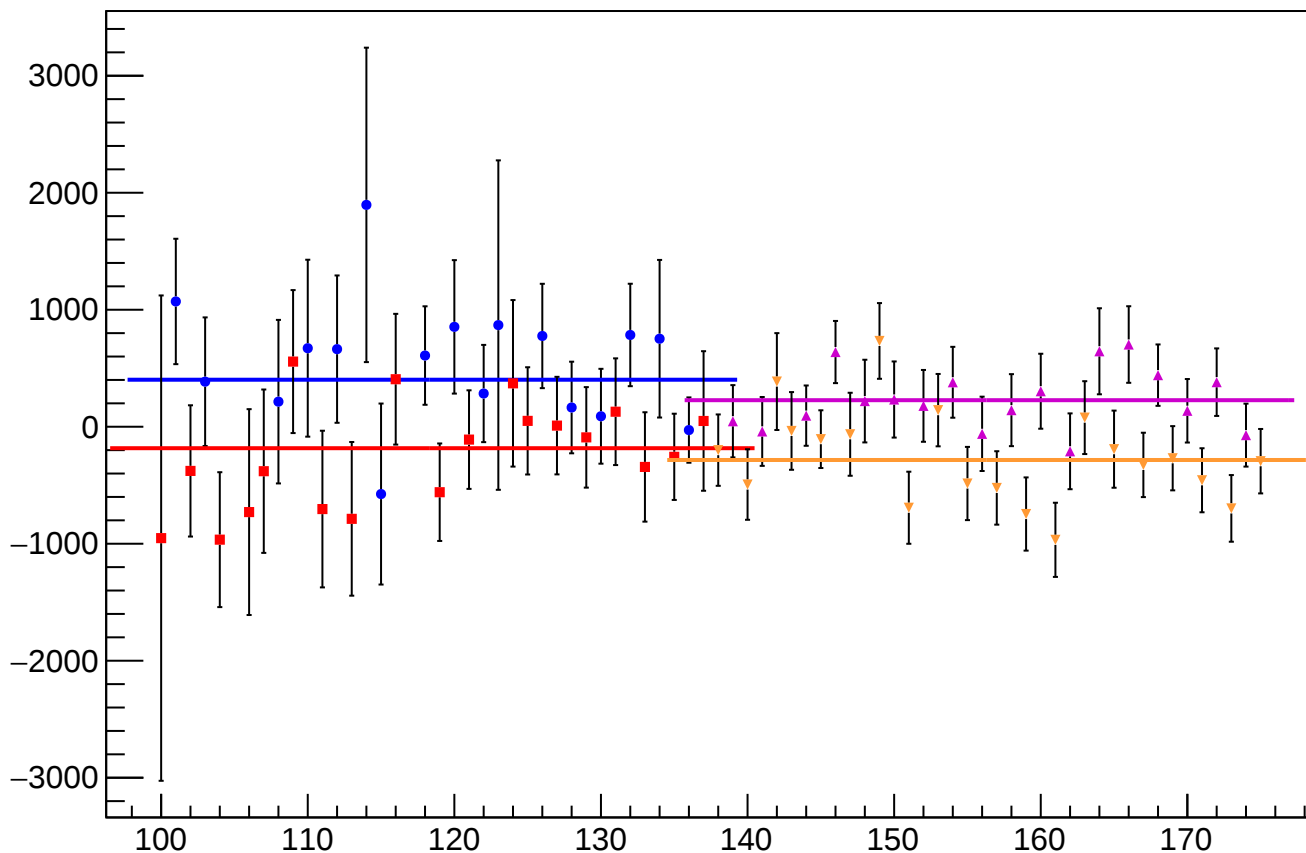
Left In: 332.845+/-0.064 χ^2/NDF : 698898.4/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 334.474+/-0.044 χ^2/NDF : 1215503.8/37

- 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: -284.232 $\pm$ 67.886 χ^2 /NDF:30.0/19

Right Out: -183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

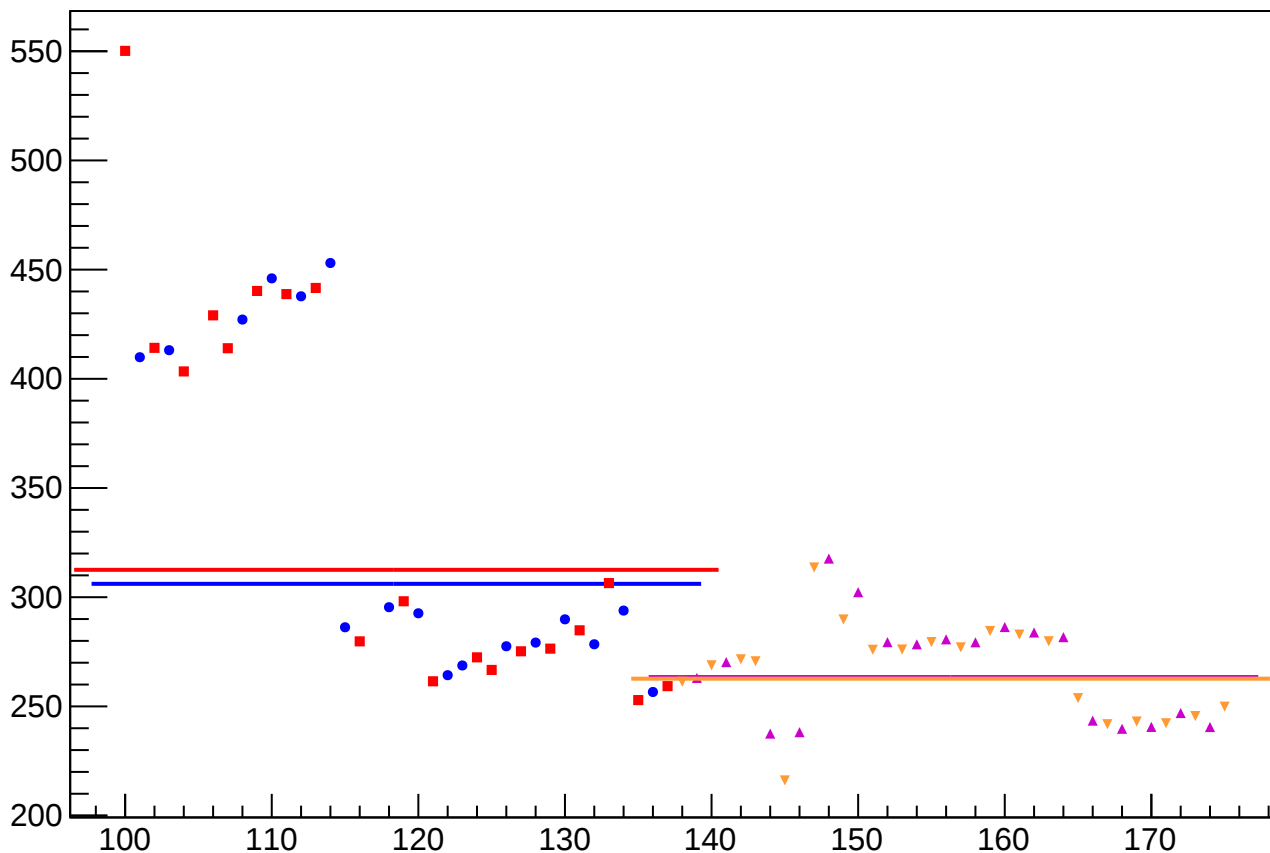
Left In: 226.870 $\pm$ 70.603 χ^2 /NDF:12.6/17

+ sign -120.070 $\pm$ 59.210 χ^2 /NDF: 65.3/36

All: -2.534 $\pm$ 42.451 χ^2 /NDF: 104.0/73

- sign 121.790 $\pm$ 60.896 χ^2 /NDF: 30.6/36

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 262.695+/-0.048 χ^2/NDF : 216656.3/19

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

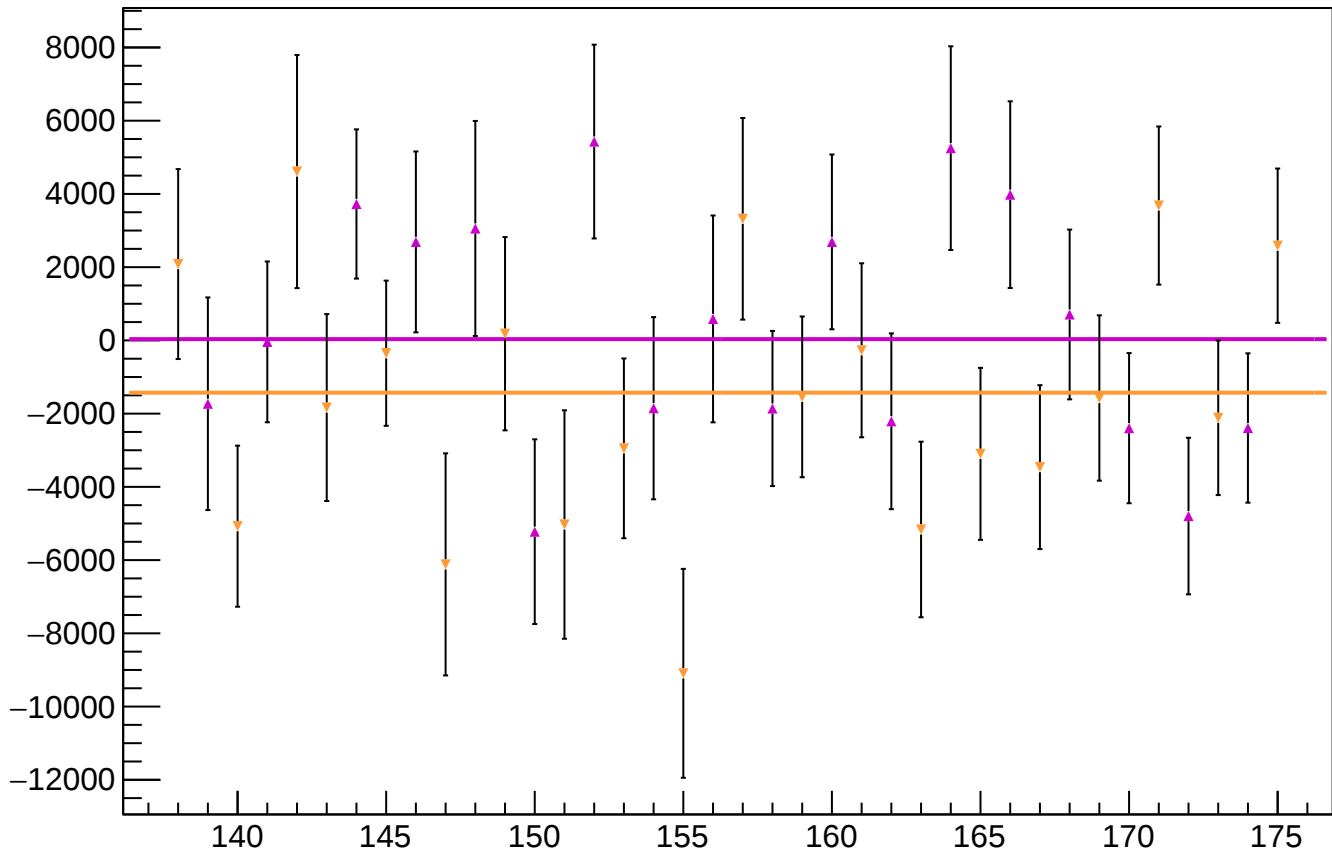
Left In: 263.439+/-0.050 χ^2/NDF : 218512.1/17

+ sign 273.086+/-0.042 χ^2/NDF : 920935.6/36

All: 274.508+/-0.030 χ^2/NDF : 2015322.7/73

- sign 276.013+/-0.043 χ^2/NDF : 1092010.9/36

asym_sam2_correction_mean vs Slug



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

Left Out: -1427.728+/-539.337 χ^2/NDF :36.5/19

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

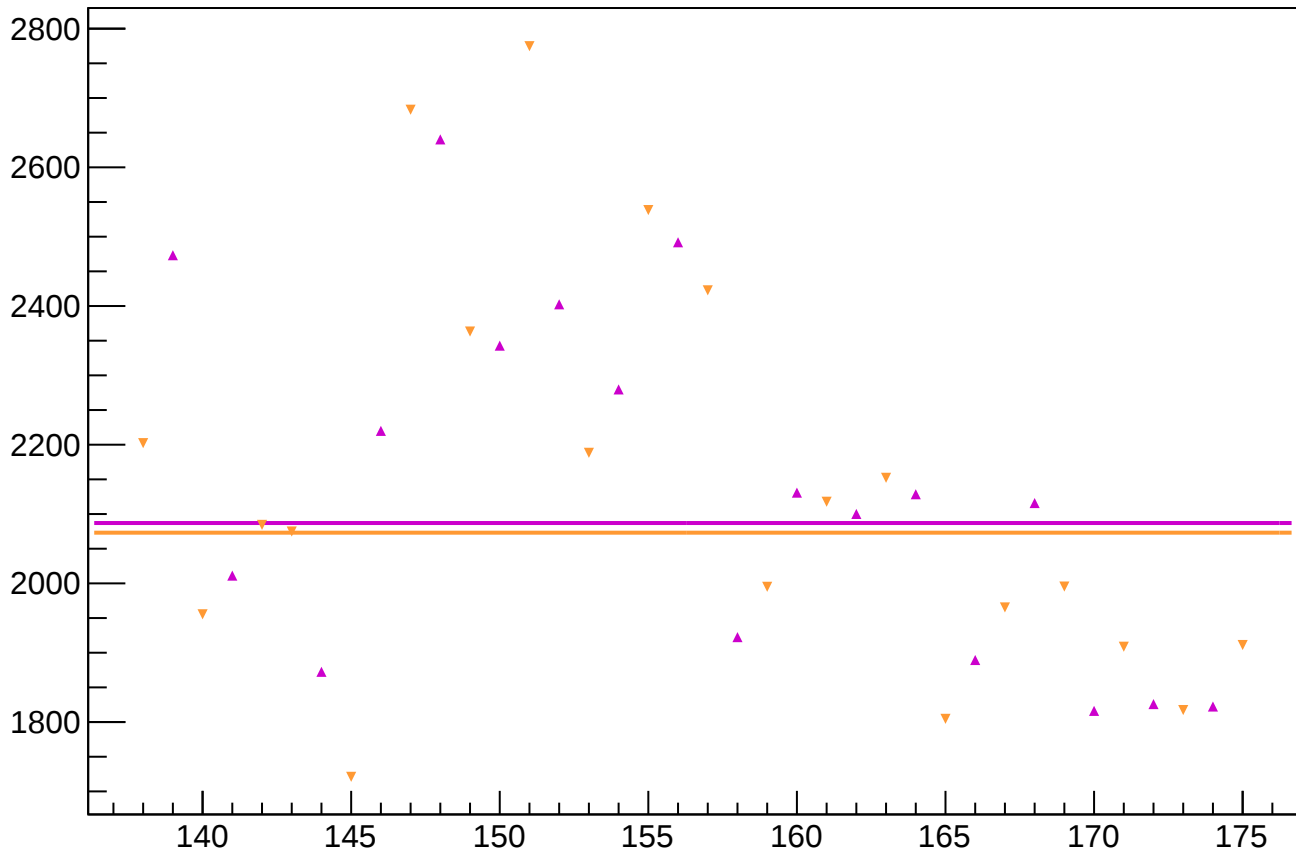
Left In: 34.825+/-561.527 χ^2/NDF :31.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -725.919+/-388.977 χ^2/NDF : 71.9/37

- 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: 2073.112+/-0.381 χ^2/NDF : 461231.3/19

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

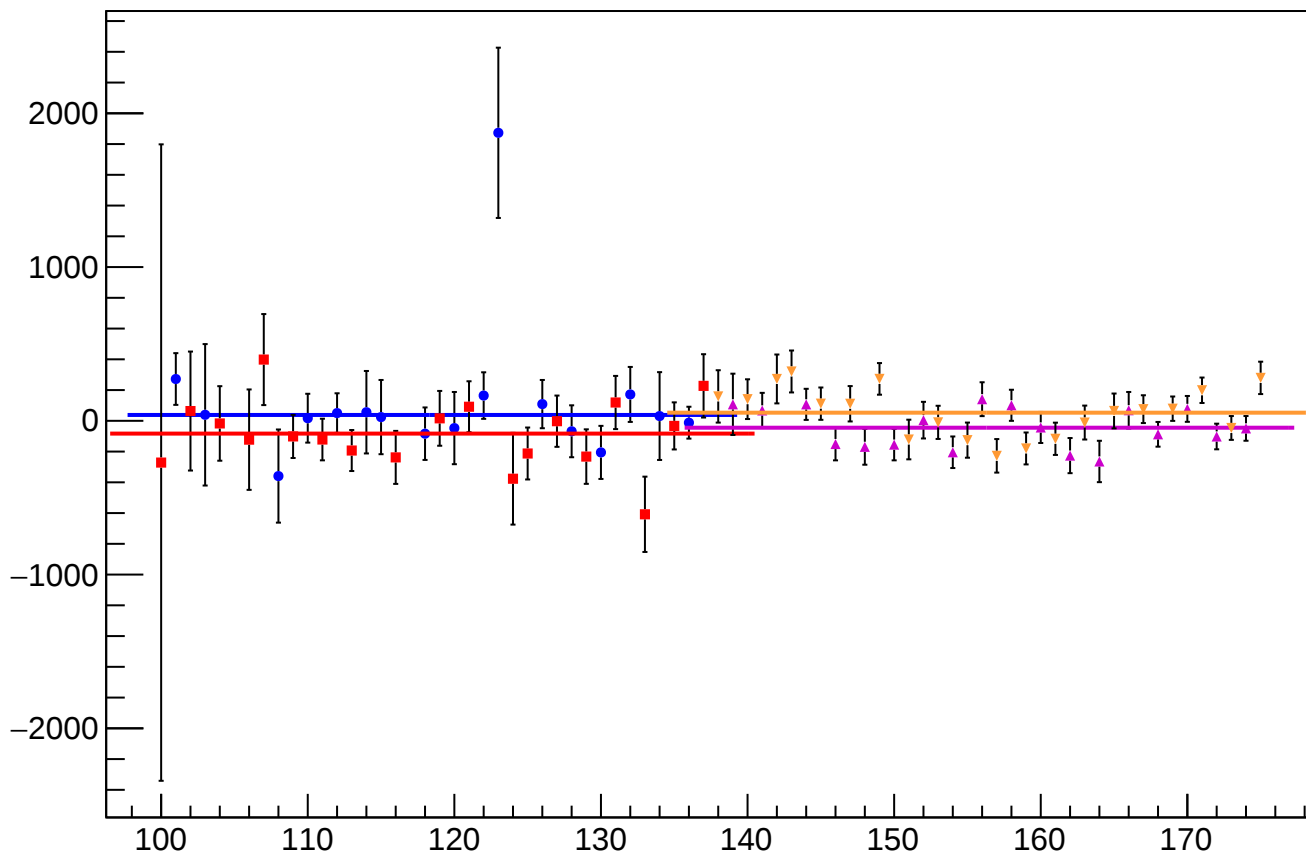
Left In: 2087.046+/-0.397 χ^2/NDF : 362761.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2079.798+/-0.275 χ^2/NDF : 824633.7/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_mean vs Slug



Right In: 38.126 $\pm$ 43.548 χ^2 /NDF: 19.4/16

Left Out: 52.939 $\pm$ 23.681 χ^2 /NDF: 40.5/19

Right Out: -83.101 $\pm$ 43.098 χ^2 /NDF: 16.7/18

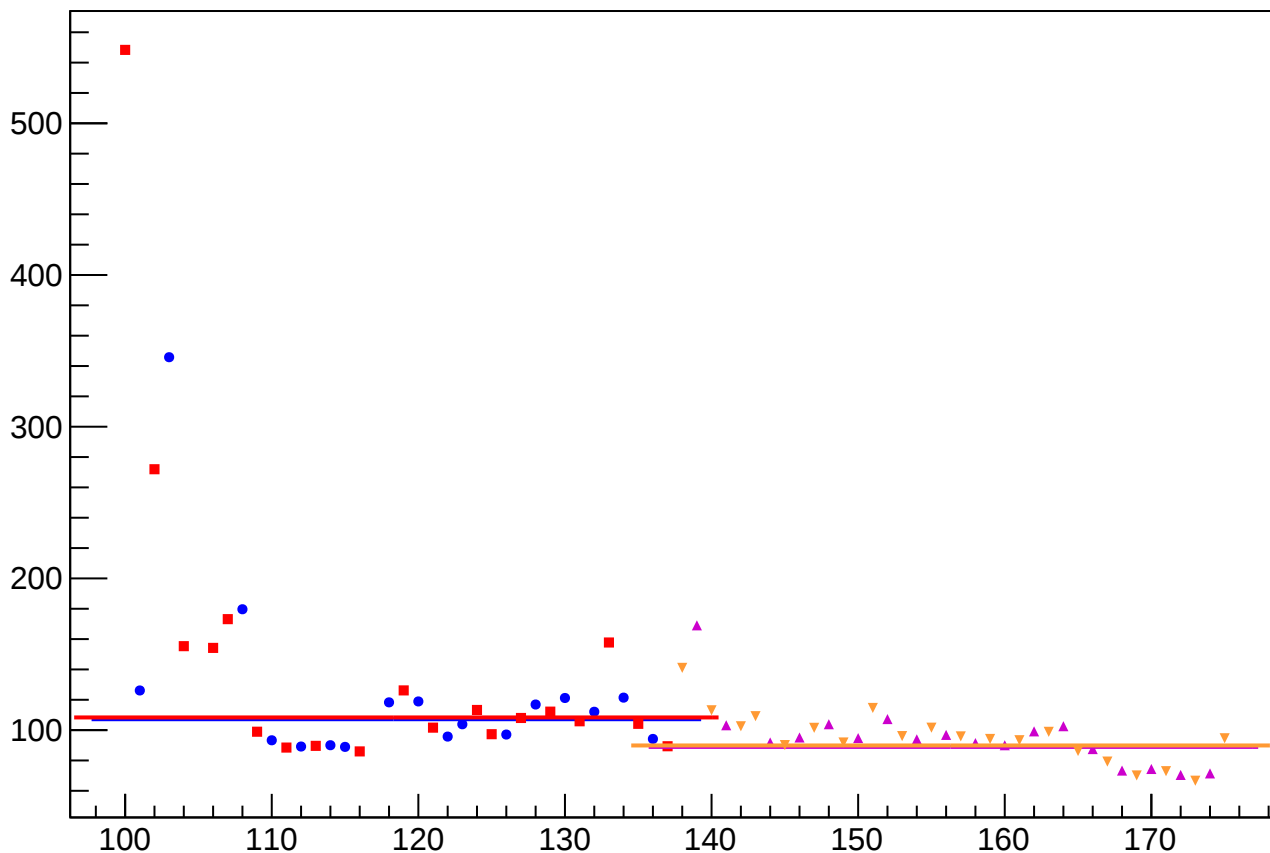
Left In: -44.834 $\pm$ 24.262 χ^2 /NDF: 23.6/17

+ sign 49.558 $\pm$ 20.804 χ^2 /NDF: 60.0/36

All: -1.408 $\pm$ 14.829 χ^2 /NDF: 113.1/73

- sign -54.043 $\pm$ 21.142 χ^2 /NDF: 40.9/36

reg_asym_sam3_rms vs Slug



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 89.887 $\pm$ 0.017 χ^2 /NDF: 866743.5/19

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

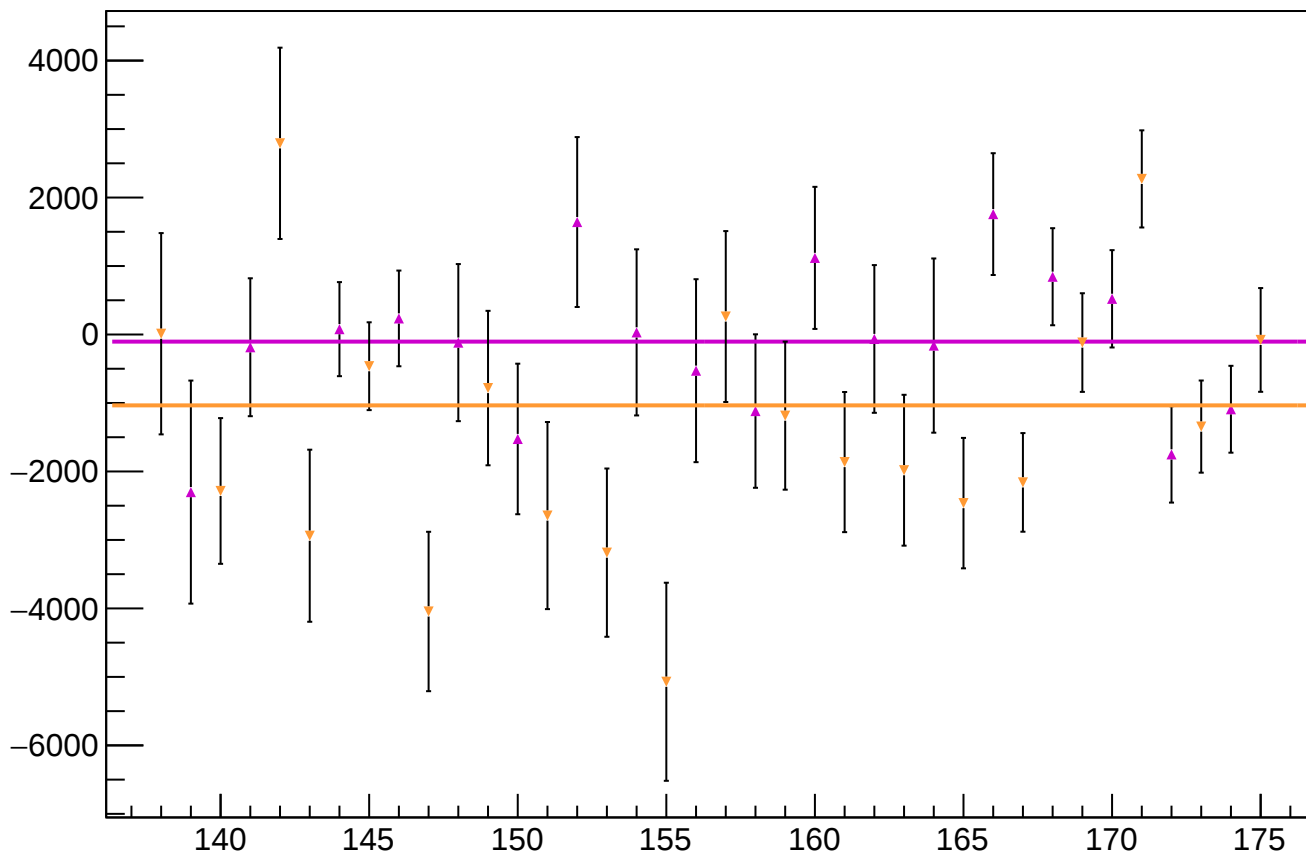
Left In: 88.930 $\pm$ 0.017 χ^2 /NDF: 831133.9/17

+ sign 93.835 $\pm$ 0.015 χ^2 /NDF: 1953523.1/36

All: 93.723 $\pm$ 0.010 χ^2 /NDF: 4010692.4/73

- sign 93.606 $\pm$ 0.015 χ^2 /NDF: 2057049.3/36

asym_sam3_correction_mean vs Slug



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

Left Out: -1034.863+/-211.762 χ^2/NDF : 63.8/19

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

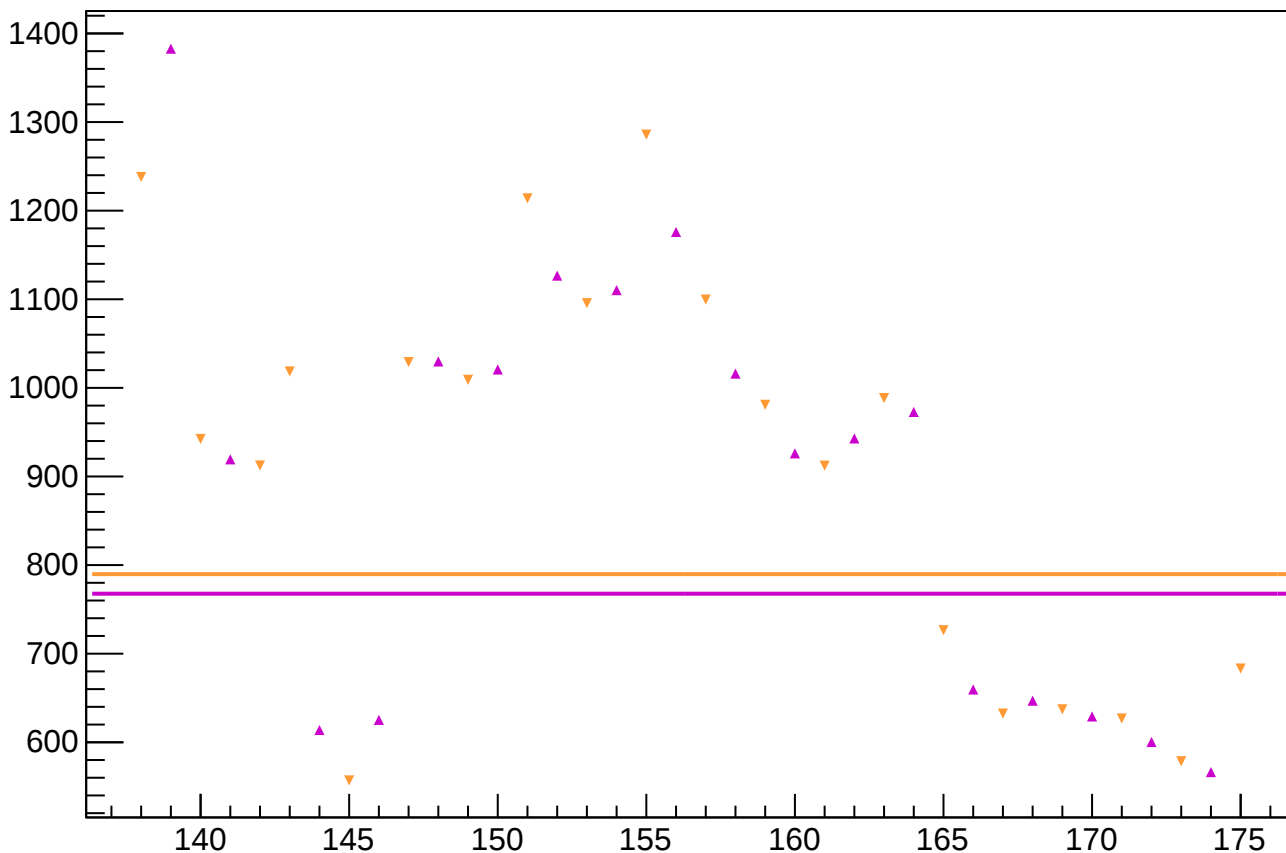
Left In: -103.883+/-213.441 χ^2/NDF : 23.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -573.050+/-150.328 χ^2/NDF : 96.3/37

- 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: 789.781+/-0.150 χ^2/NDF :2100423.3/19

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

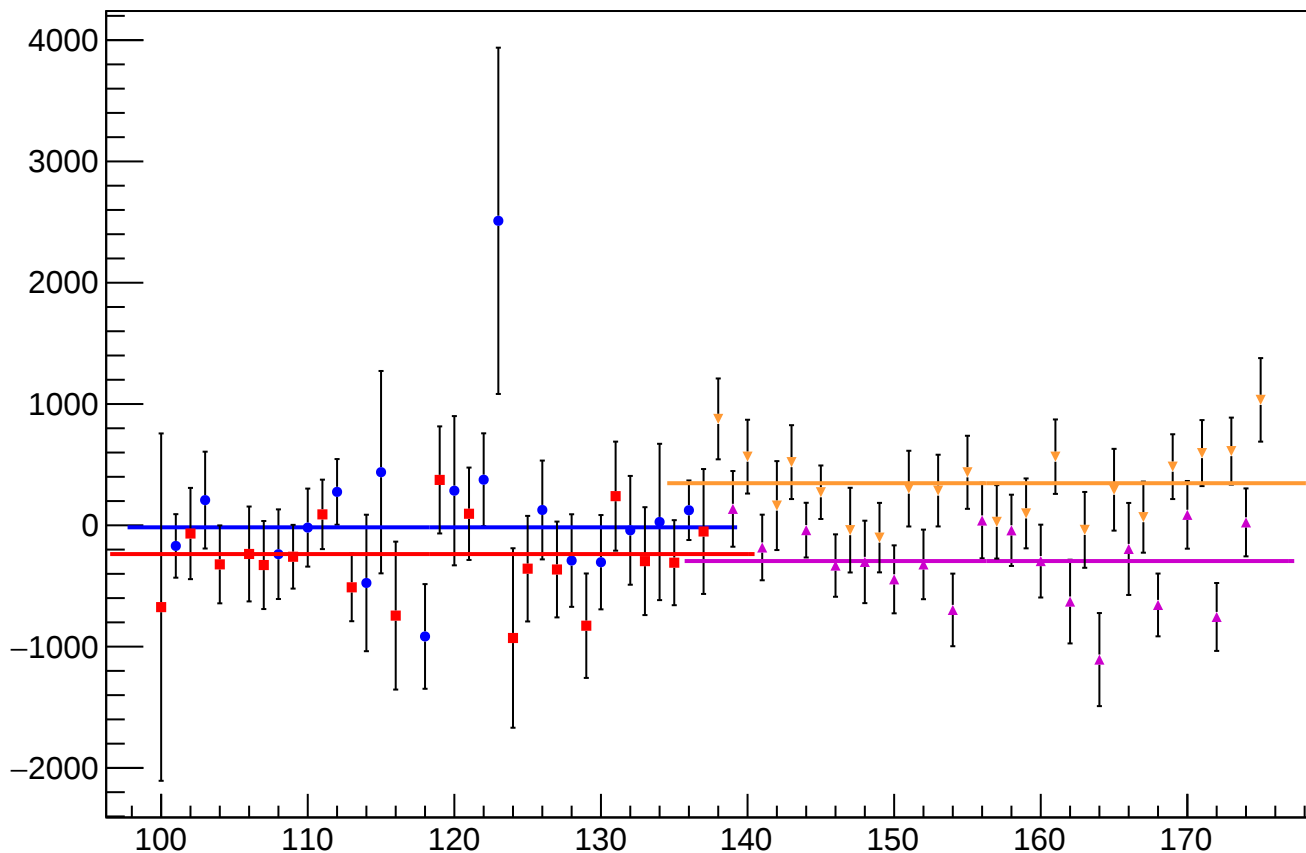
Left In: 767.694+/-0.151 χ^2/NDF :1966262.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 778.825+/-0.106 χ^2/NDF : 4077478.7/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 347.275 ± 66.663 χ^2/NDF : 18.4/19

Right Out: -236.984 ± 88.937 χ^2/NDF : 10.3/18

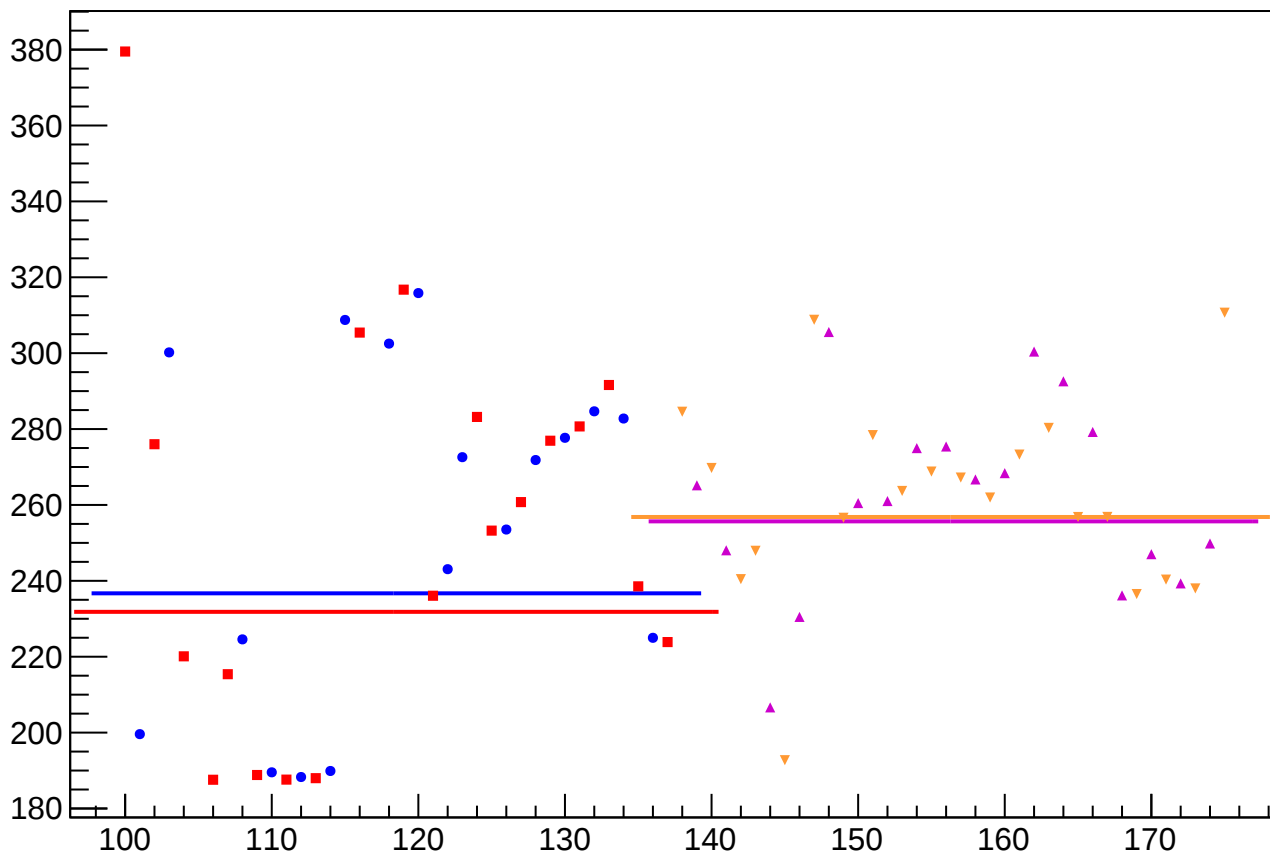
Left In: -294.533 ± 68.707 χ^2/NDF : 20.7/17

+ sign 224.316 ± 54.237 χ^2/NDF : 41.9/36

All: -23.737 ± 38.399 χ^2/NDF : 115.1/73

- sign -273.024 ± 54.372 χ^2/NDF : 31.3/36

reg_asym_sam4_rms vs Slug



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 256.828 $\pm$ 0.047 χ^2 /NDF: 347274.2/19

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

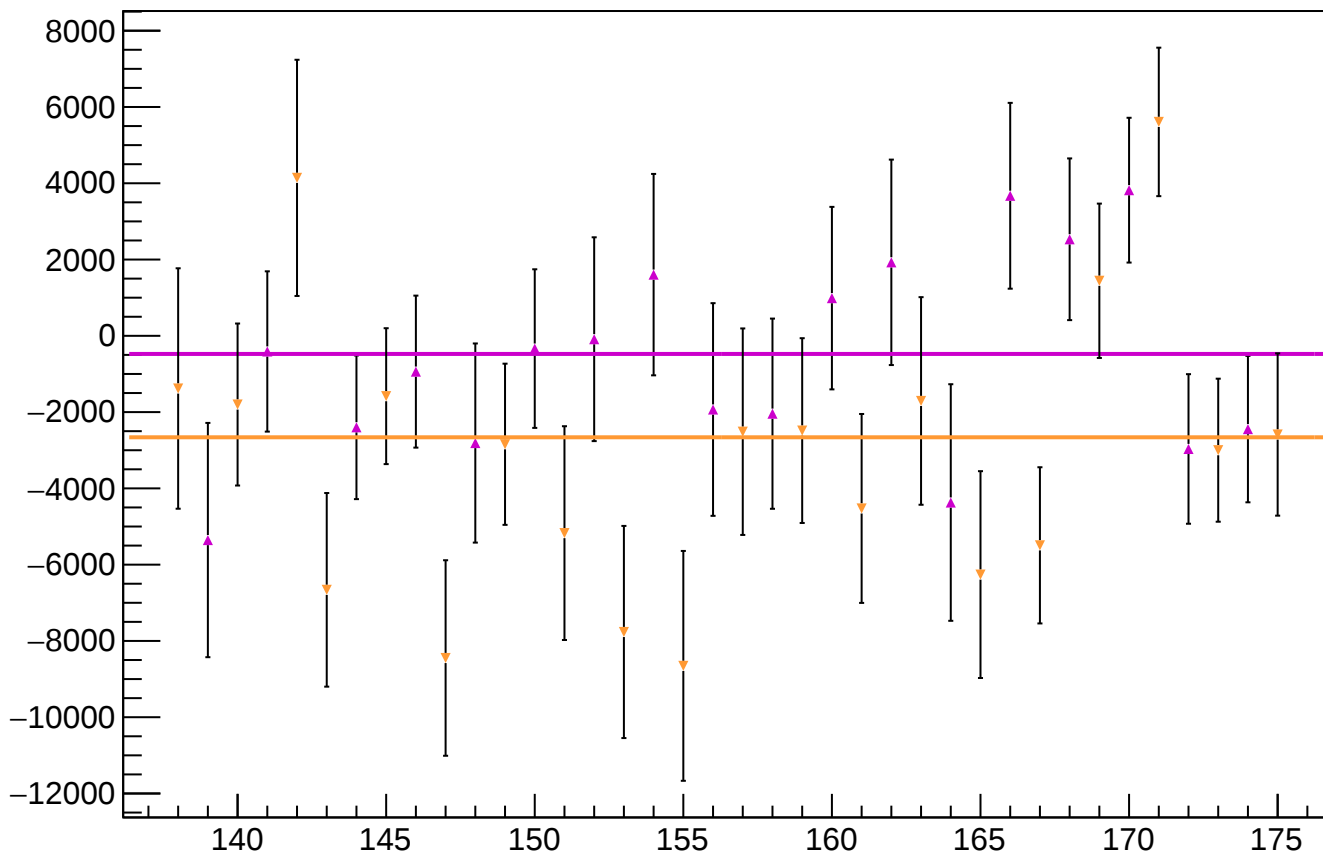
Left In: 255.672 $\pm$ 0.049 χ^2 /NDF: 265151.1/17

+ sign 250.026 $\pm$ 0.038 χ^2 /NDF: 799216.2/36

All: 248.397 $\pm$ 0.027 χ^2 /NDF: 1601282.8/73

- sign 246.760 $\pm$ 0.038 χ^2 /NDF: 798450.8/36

asym_sam4_correction_mean vs Slug



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

Left Out: -2660.516+/-524.681 χ^2/NDF : 47.8/19

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

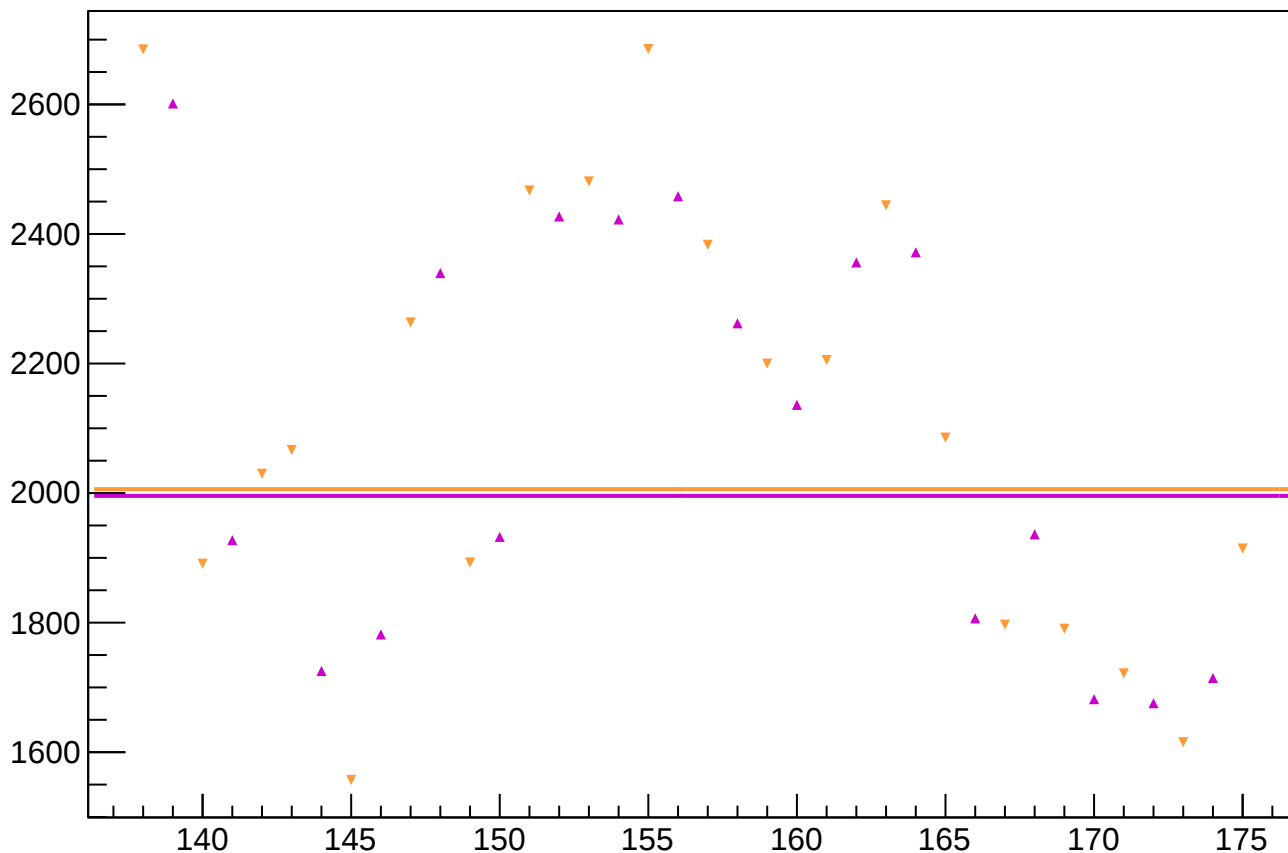
Left In: -475.001+/-539.661 χ^2/NDF : 21.2/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1598.511+/-376.190 χ^2/NDF : 77.4/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam4_correction_rms vs Slug



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

Left Out: 2006.077+/-0.371 χ^2/NDF : 761798.5/19

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

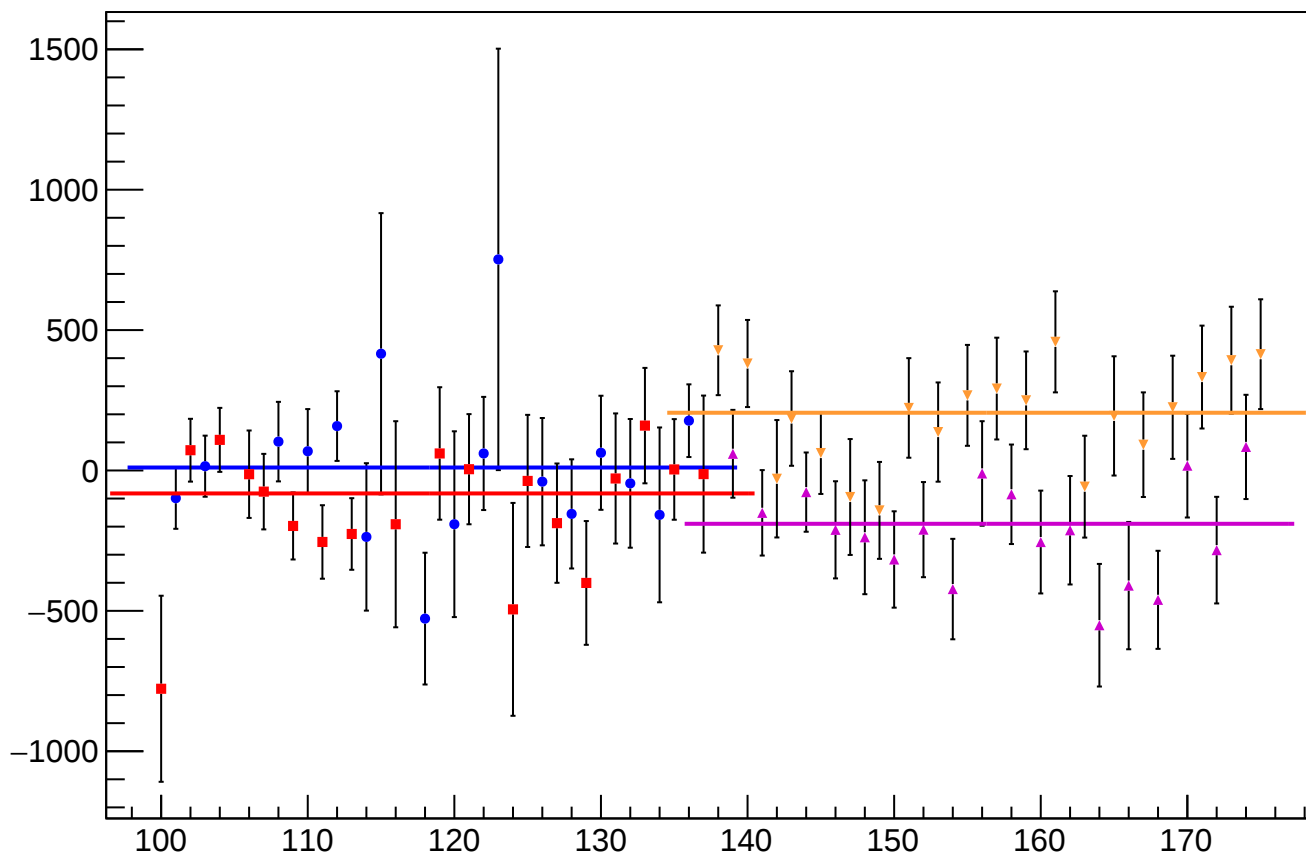
Left In: 1995.724+/-0.382 χ^2/NDF : 599513.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2001.046+/-0.266 χ^2/NDF : 1361690.5/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_mean vs Slug



Right In: 10.530 $\pm$ 42.294 χ^2 /NDF: 14.1/16

Left Out: 205.587 $\pm$ 39.951 χ^2 /NDF:19.3/19

Right Out: -81.802 $\pm$ 38.985 χ^2 /NDF: 19.2/18

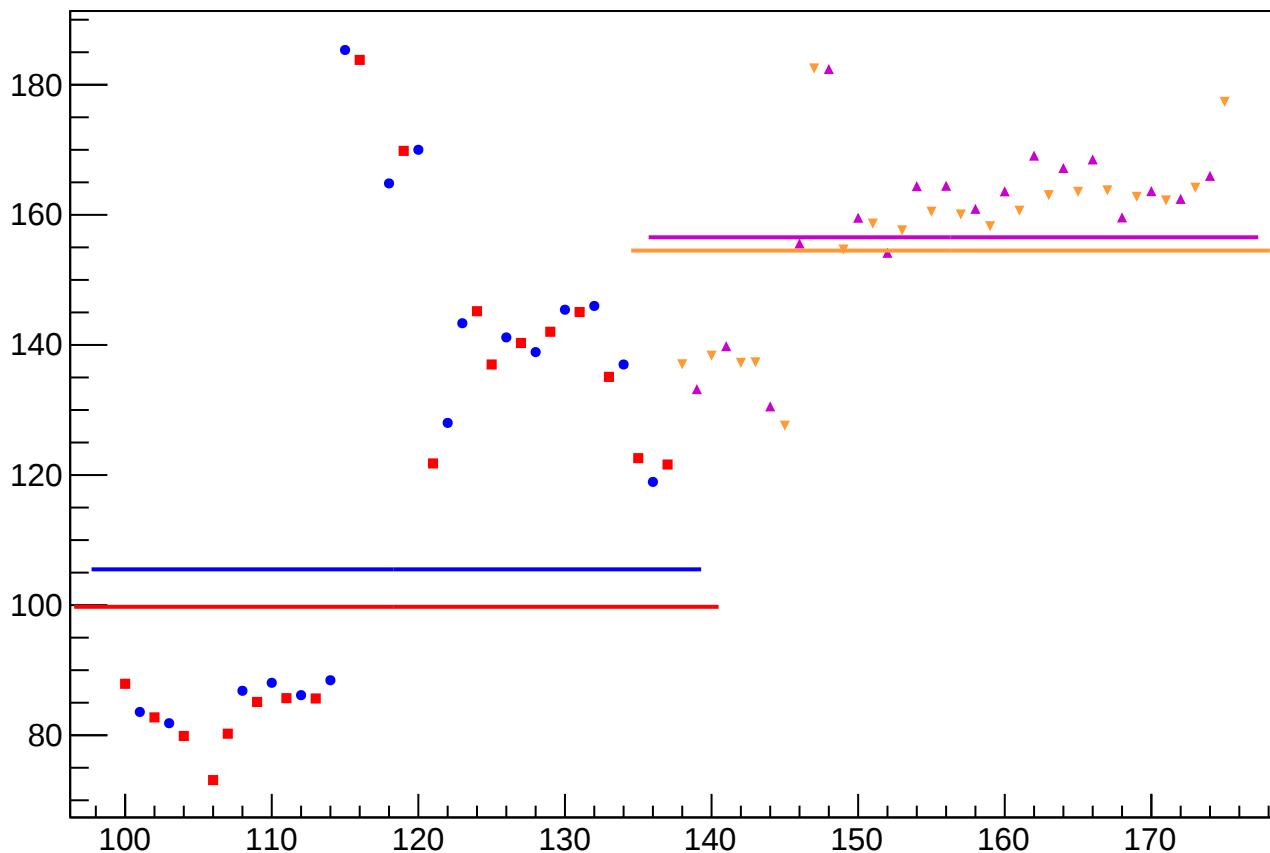
Left In: -189.934 $\pm$ 41.933 χ^2 /NDF:16.8/17

+ sign 113.611 $\pm$ 29.043 χ^2 /NDF: 44.5/36

All: -11.254 $\pm$ 20.361 χ^2 /NDF: 120.4/73

- sign -131.933 $\pm$ 28.552 χ^2 /NDF: 39.5/36

reg_asym_sam5_rms vs Slug



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 154.510 $\pm$ 0.028 χ^2 /NDF: 247261.9/19

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

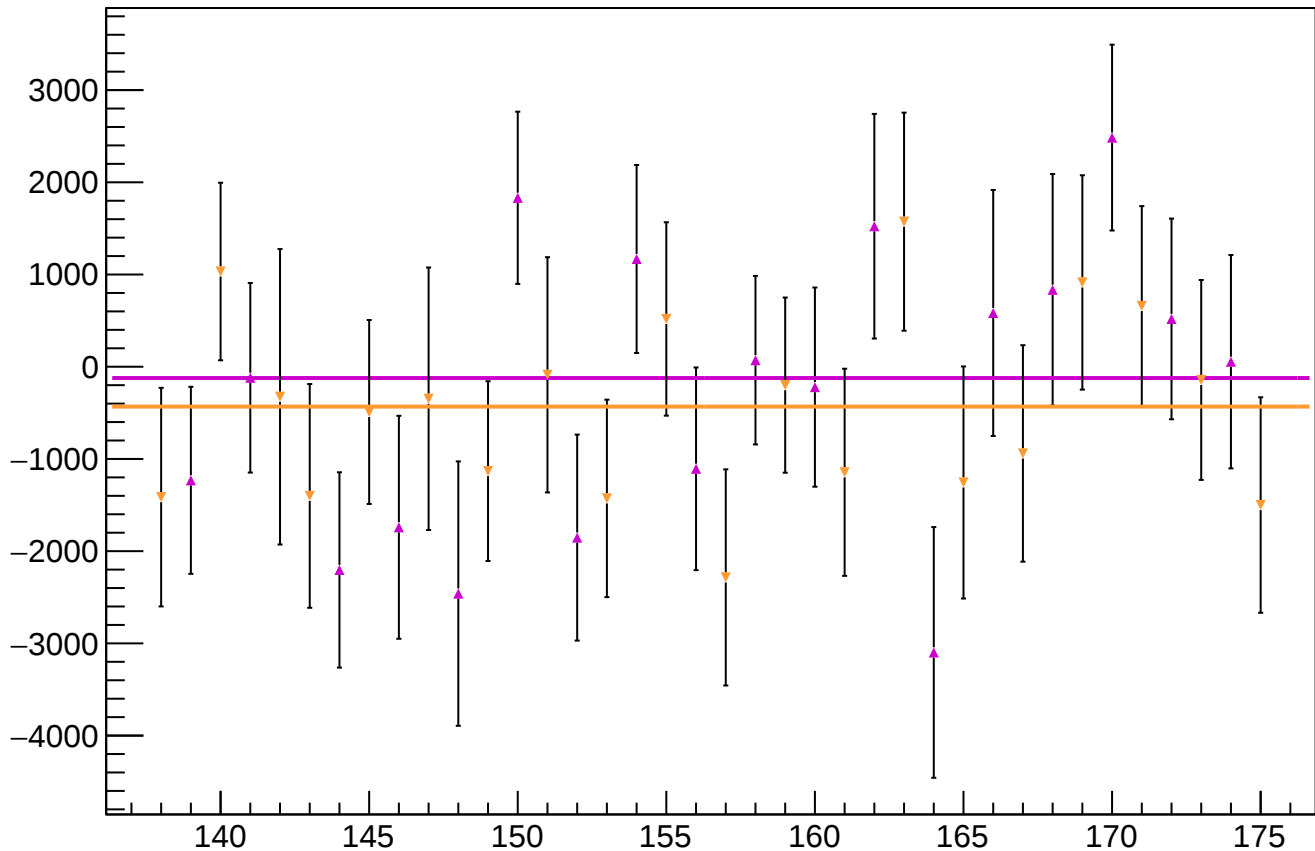
Left In: 156.552 $\pm$ 0.030 χ^2 /NDF: 211342.0/17

+ sign 131.401 $\pm$ 0.021 χ^2 /NDF: 2535377.6/36

All: 128.696 $\pm$ 0.014 χ^2 /NDF: 5749789.3/73

- sign 126.081 $\pm$ 0.020 χ^2 /NDF: 3180276.9/36

asym_sam5_correction_mean vs Slug



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

Left Out: -432.286 $\pm$ 252.488 χ^2 /NDF:15.6/19

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

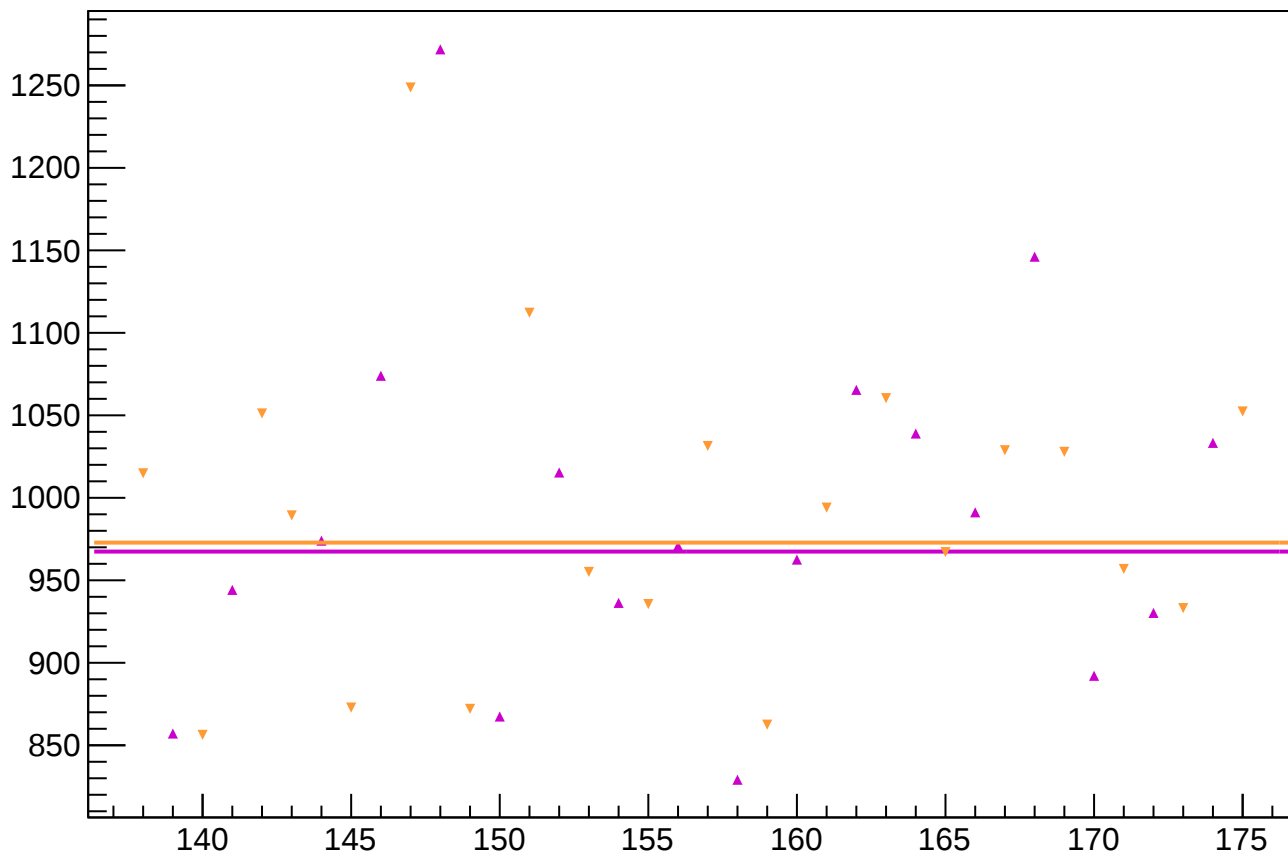
Left In: -122.738 $\pm$ 260.273 χ^2 /NDF:33.3/17

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

All: -282.211 $\pm$ 181.226 χ^2 /NDF: 49.7/37

- 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: 972.852+/-0.179 χ^2/NDF : 245622.2/19

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

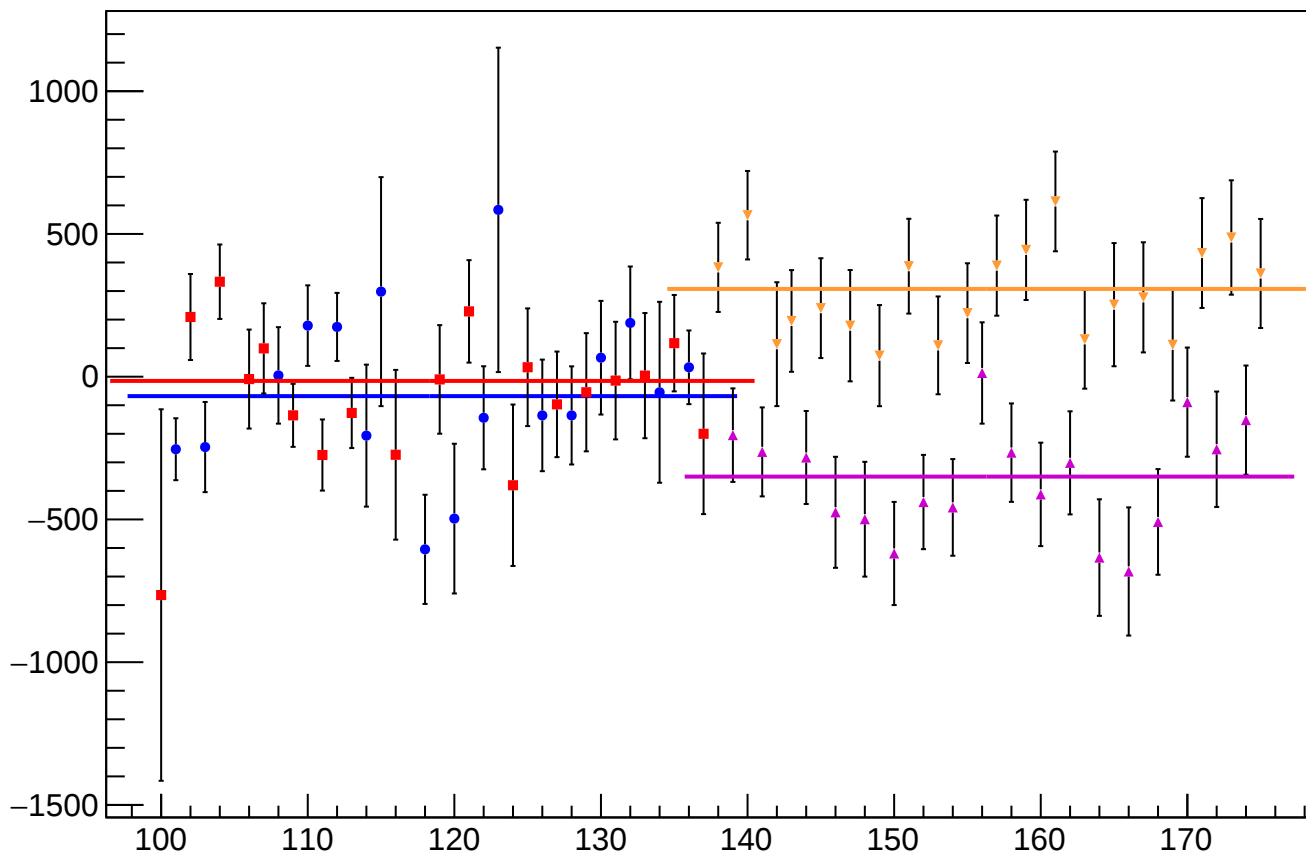
Left In: 967.413+/-0.184 χ^2/NDF : 284449.5/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 970.215+/-0.128 χ^2/NDF : 530521.6/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 307.466 ± 40.334 $\chi^2/\text{NDF}: 15.7/19$

Right Out: -14.800 ± 39.467 $\chi^2/\text{NDF}: 23.1/18$

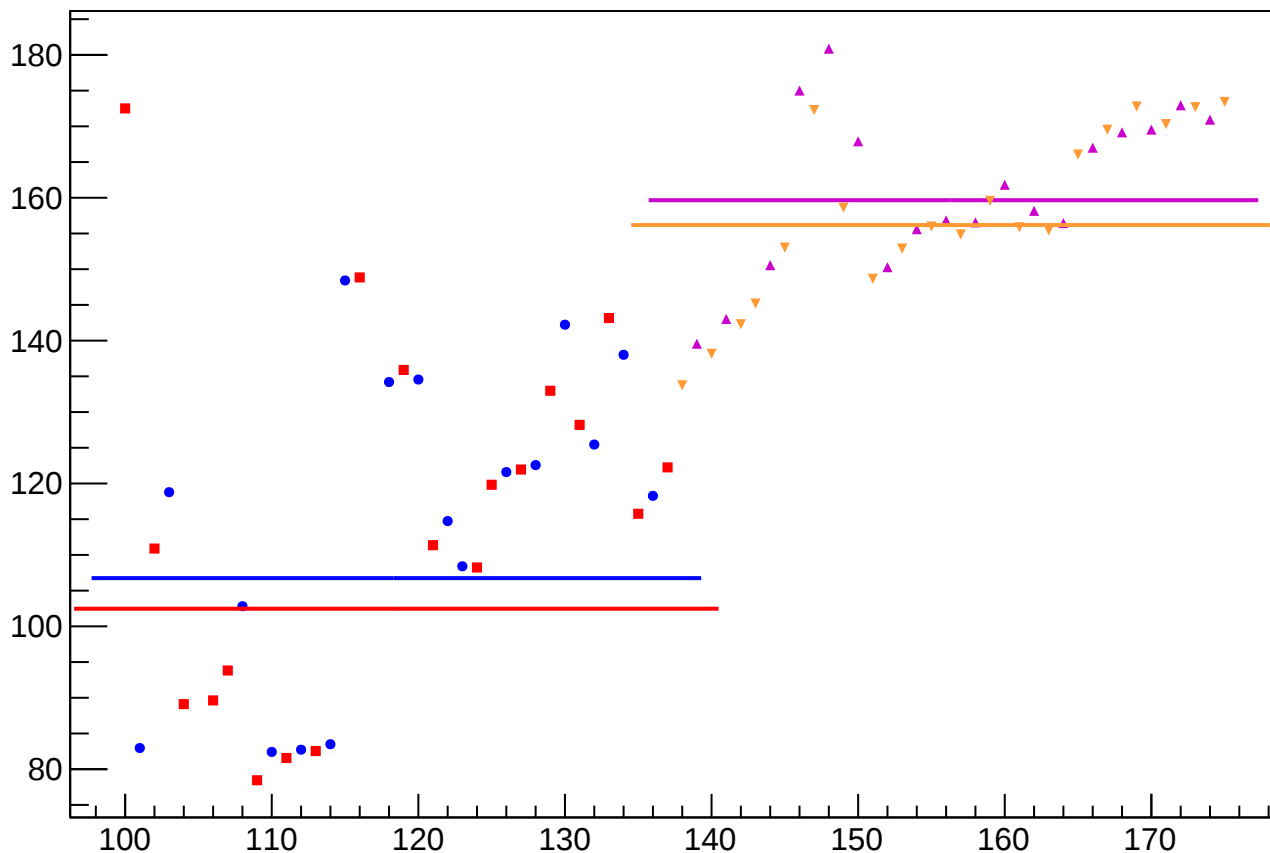
Left In: -349.950 ± 42.705 $\chi^2/\text{NDF}: 17.8/17$

+ sign 128.455 ± 29.179 $\chi^2/\text{NDF}: 84.8/36$

All: -21.365 ± 20.564 $\chi^2/\text{NDF}: 211.3/73$

- sign -169.188 ± 28.984 $\chi^2/\text{NDF}: 74.1/36$

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 156.181 $\pm$ 0.029 χ^2 /NDF:173472.2/19

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

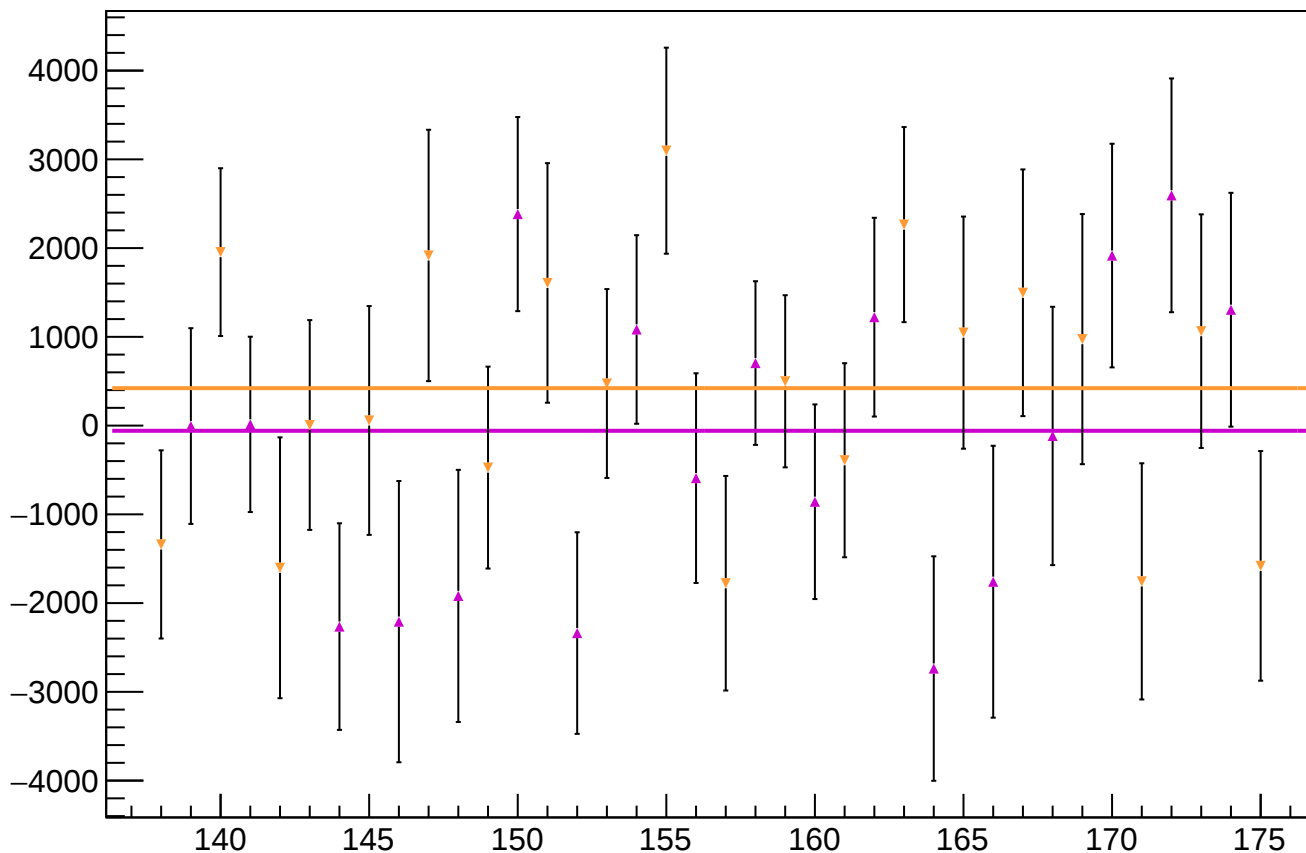
Left In: 159.659 $\pm$ 0.030 χ^2 /NDF:136002.7/17

+ sign 132.620 $\pm$ 0.021 χ^2 /NDF: 2106986.3/36

All: 130.704 $\pm$ 0.015 χ^2 /NDF: 4784170.7/73

- sign 128.813 $\pm$ 0.020 χ^2 /NDF: 2660042.2/36

asym_sam6_correction_mean vs Slug



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

Left Out: 421.968+/-267.338 χ^2/NDF : 28.3/19

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

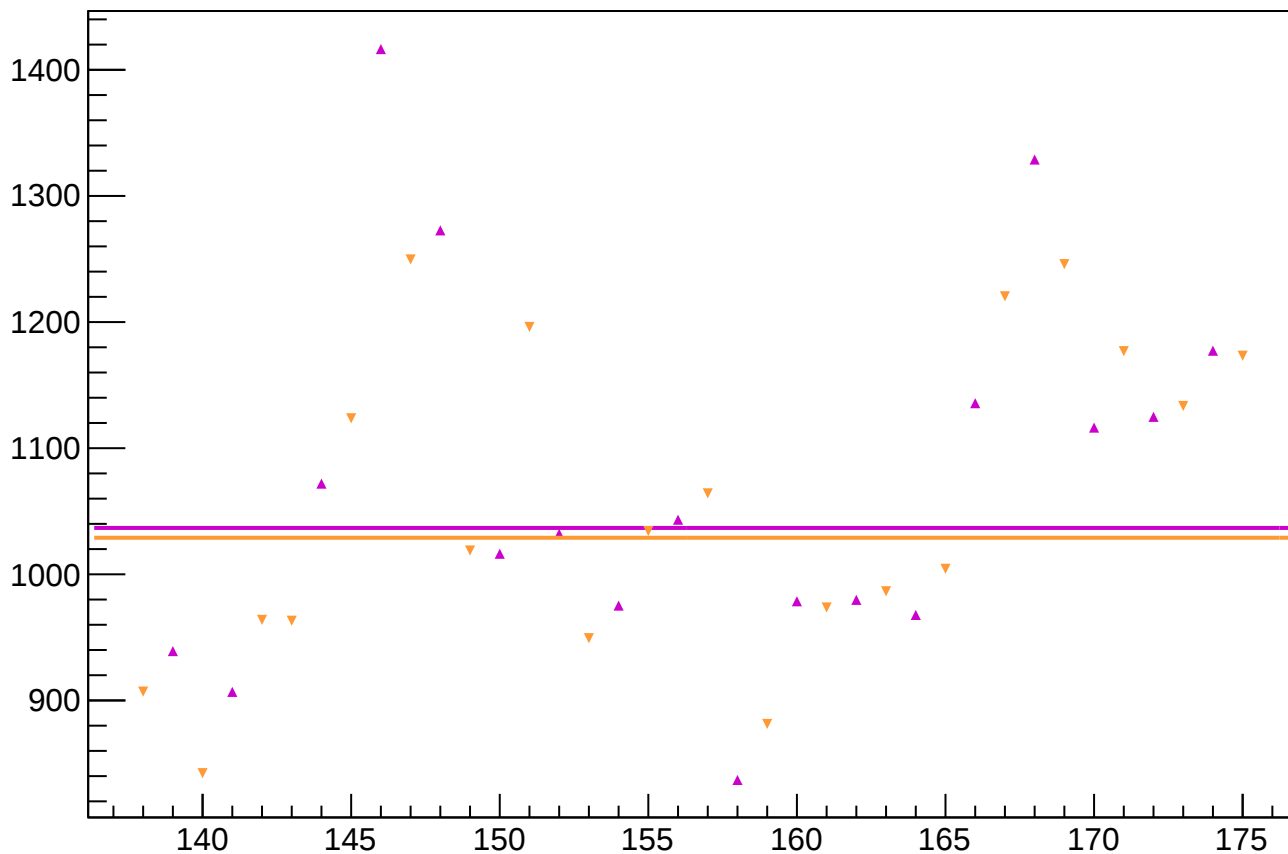
Left In: -58.424+/-279.460 χ^2/NDF : 33.4/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 192.416+/-193.180 χ^2/NDF : 63.2/37

- 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: 1028.987+/-0.189 χ^2/NDF :420397.1/19

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

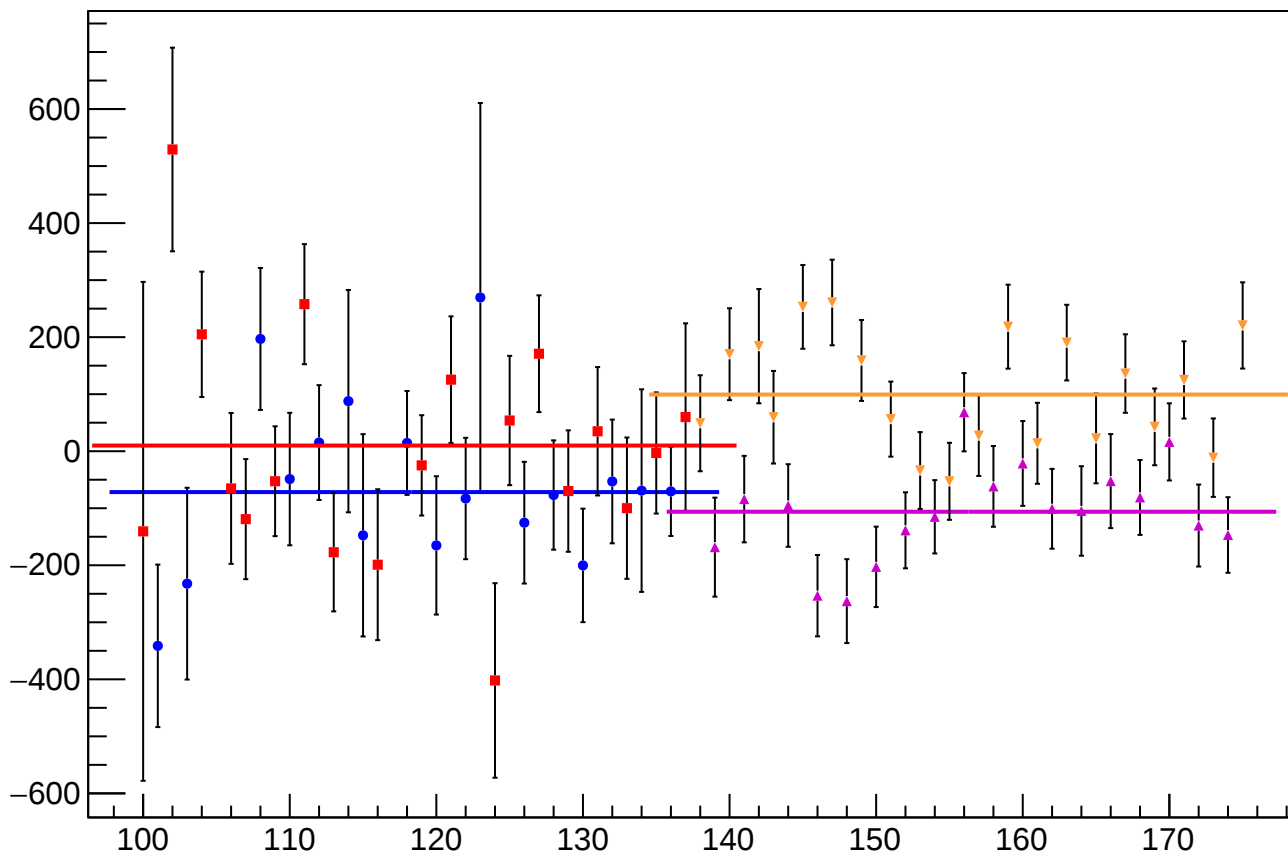
Left In: 1036.776+/-0.198 χ^2/NDF :468945.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1032.709+/-0.137 χ^2/NDF : 890153.8/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 χ^2/NDF : 15.2/16

Left Out: 99.395 ± 16.251 χ^2/NDF : 35.4/19

Right Out: 9.917 ± 26.816 χ^2/NDF : 36.5/18

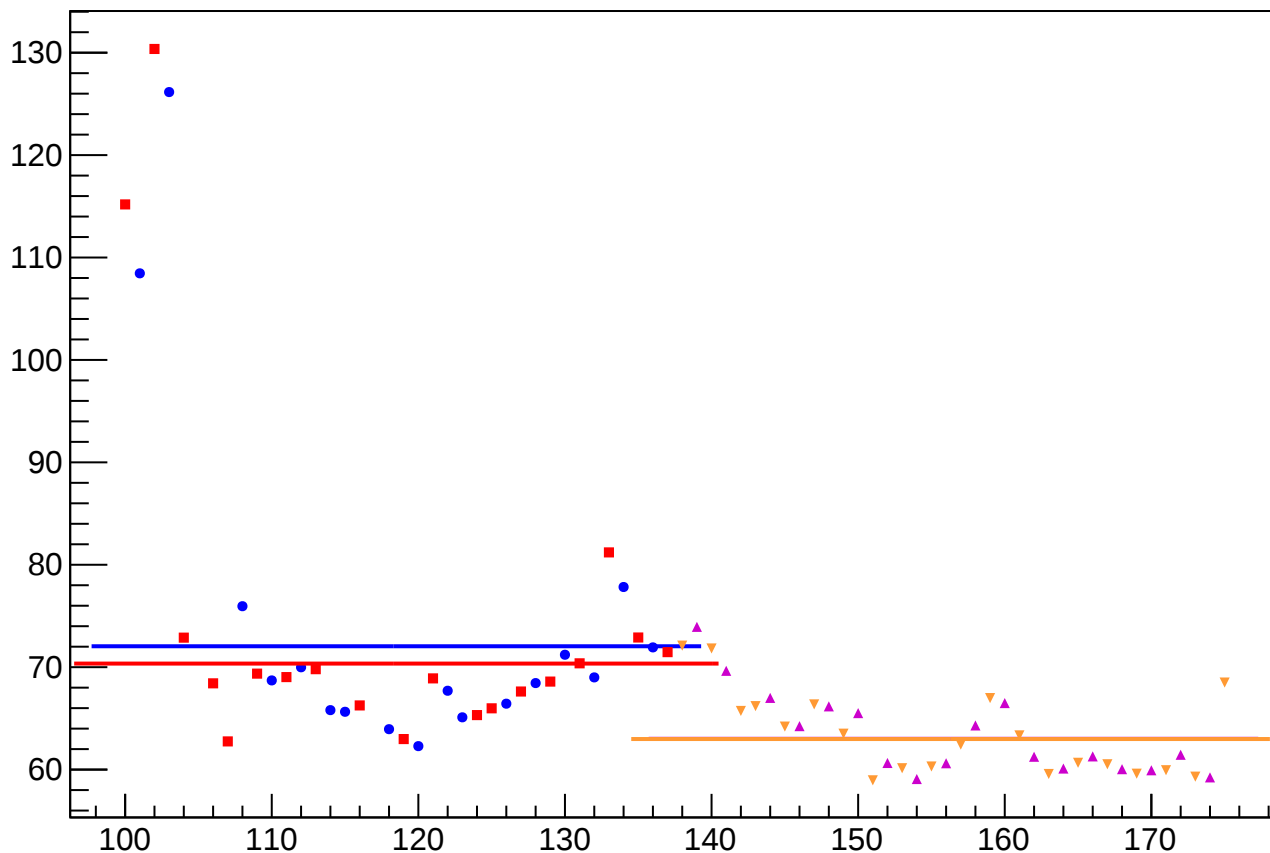
Left In: -106.136 ± 16.843 χ^2/NDF : 24.1/17

+ sign 57.106 ± 14.100 χ^2/NDF : 78.1/36

All: -7.349 ± 10.027 χ^2/NDF : 194.3/73

- sign -73.305 ± 14.263 χ^2/NDF : 74.0/36

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 62.984 $\pm$ 0.011 χ^2 /NDF: 112303.0/19

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

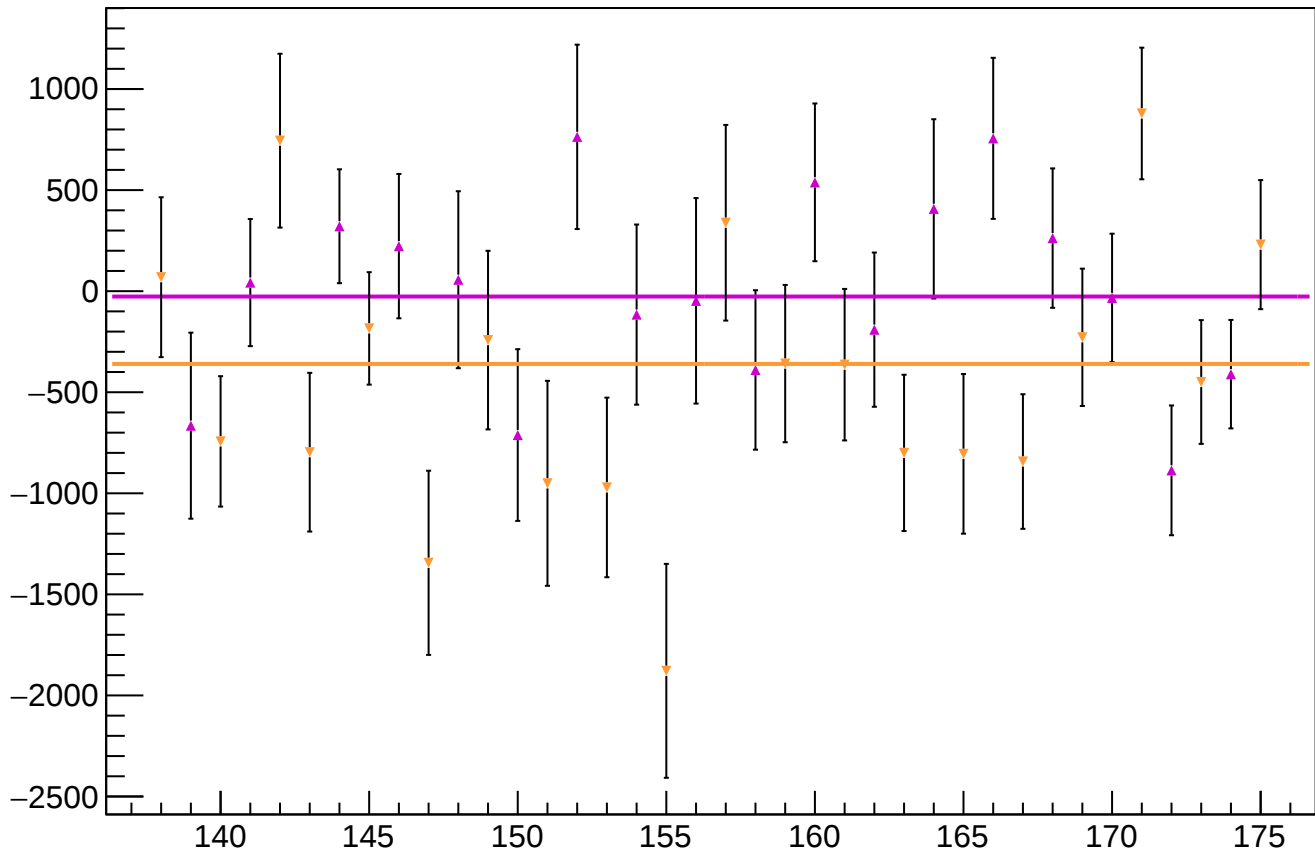
Left In: 63.006 $\pm$ 0.012 χ^2 /NDF: 97940.7/17

+ sign 65.223 $\pm$ 0.010 χ^2 /NDF: 657895.9/36

All: 65.155 $\pm$ 0.007 χ^2 /NDF: 1162524.6/73

- sign 65.084 $\pm$ 0.010 χ^2 /NDF: 504532.3/36

asym_sam7_correction_mean vs Slug



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

Left Out: -360.007 $\pm$ 83.921 χ^2 /NDF: 51.9/19

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

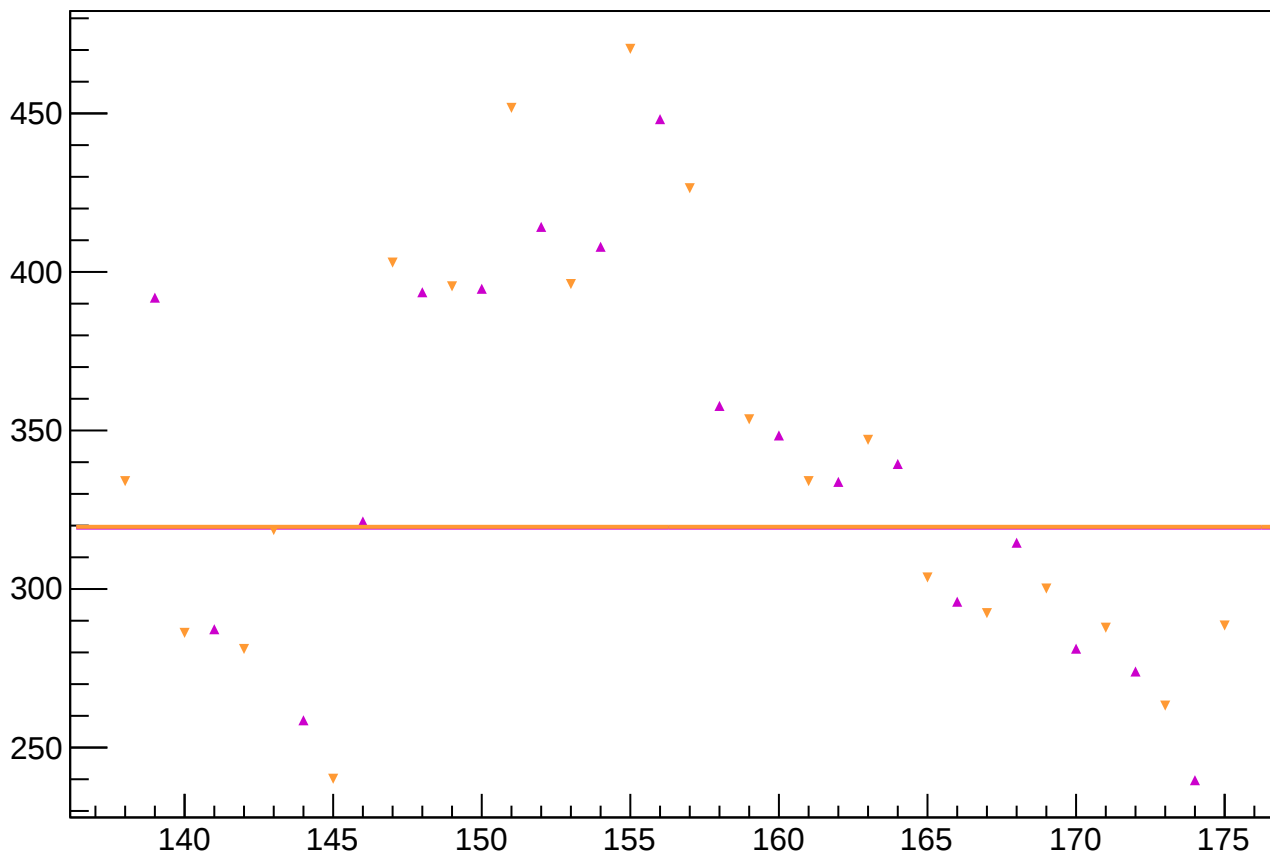
Left In: -26.582 $\pm$ 86.738 χ^2 /NDF: 27.5/17

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

All: -198.797 $\pm$ 60.312 χ^2 /NDF: 87.1/37

- 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: 319.620+/-0.059 χ^2/NDF : 941541.2/19

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

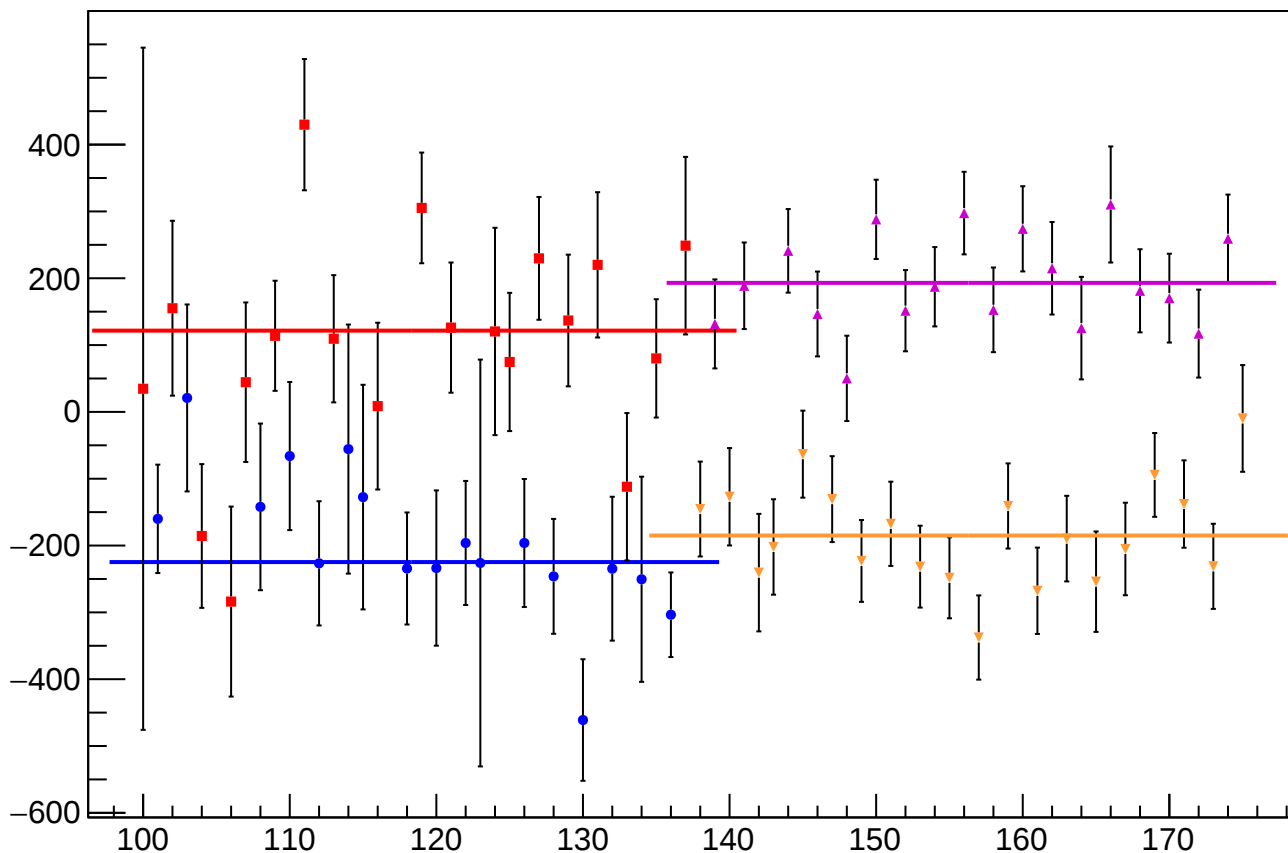
Left In: 319.366+/-0.061 χ^2/NDF : 867288.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 319.497+/-0.043 χ^2/NDF : 1808838.8/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -184.987 ± 14.897 χ^2/NDF : 24.6/19

Right Out: 121.633 ± 24.599 χ^2/NDF : 40.5/18

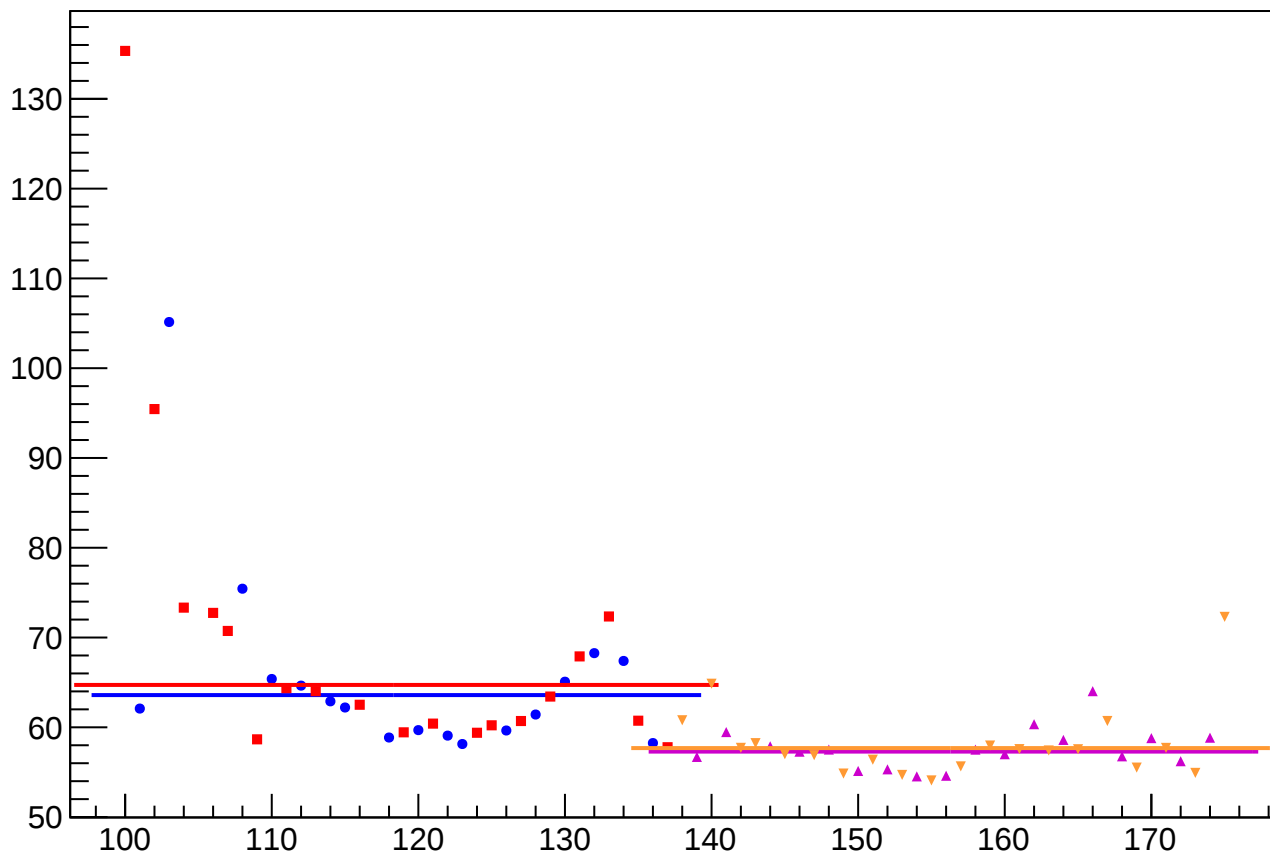
Left In: 193.095 ± 15.312 χ^2/NDF : 20.1/17

+ sign -195.474 ± 12.781 χ^2/NDF : 42.5/36

All: -14.287 ± 9.114 χ^2/NDF : 518.0/73

- sign 173.138 ± 13.000 χ^2/NDF : 66.7/36

reg_asym_sam8_rms vs Slug



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 57.685+/-0.011 χ^2/NDF : 119889.8/19

Right Out: 64.720+/-0.017 χ^2/NDF : 227506.4/18

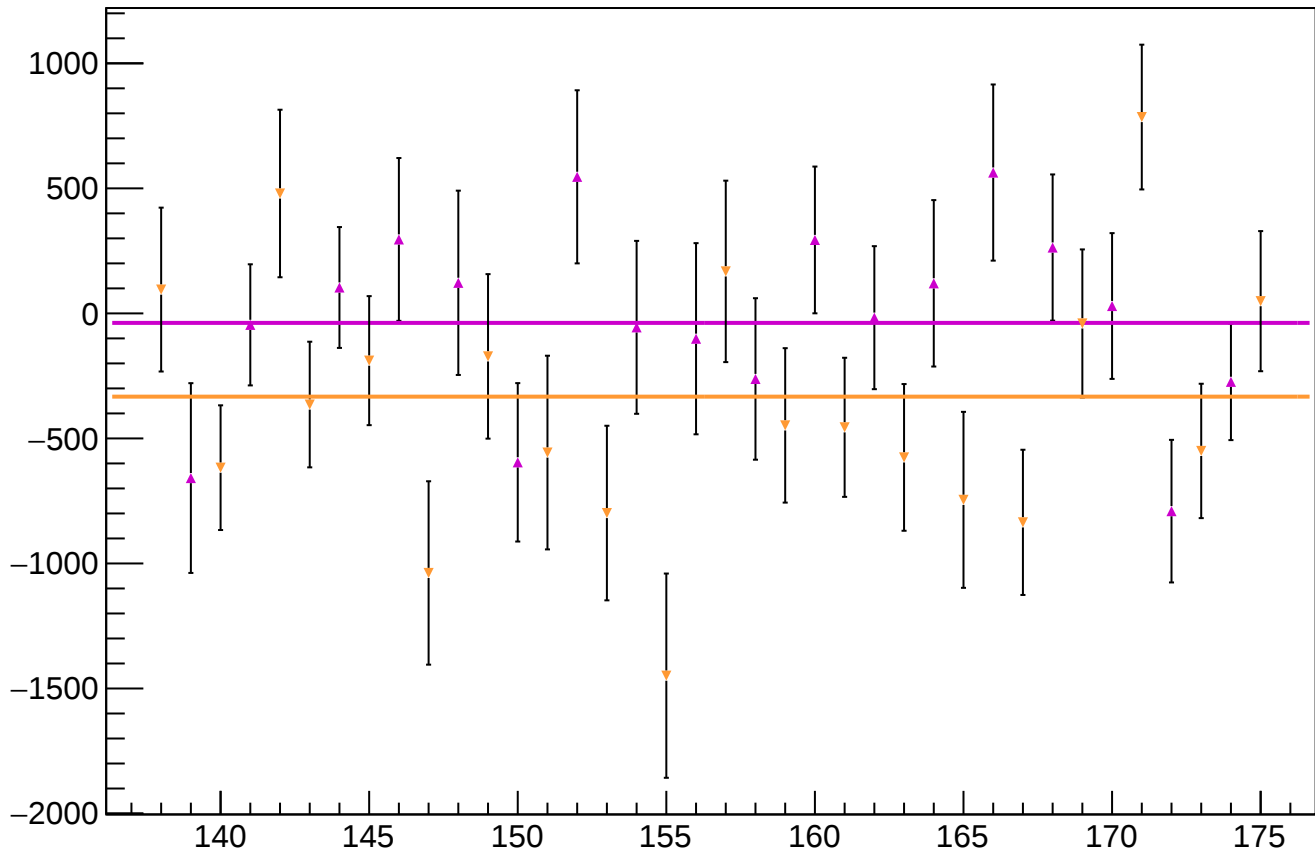
Left In: 57.294+/-0.011 χ^2/NDF : 34826.3/17

+ sign 59.243+/-0.009 χ^2/NDF : 437383.7/36

All: 59.305+/-0.006 χ^2/NDF : 831161.7/73

- sign 59.368+/-0.009 χ^2/NDF : 393684.1/36

asym_sam8_correction_mean vs Slug



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

Left Out: -332.901 $\pm$ 68.161 χ^2 /NDF: 48.4/19

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

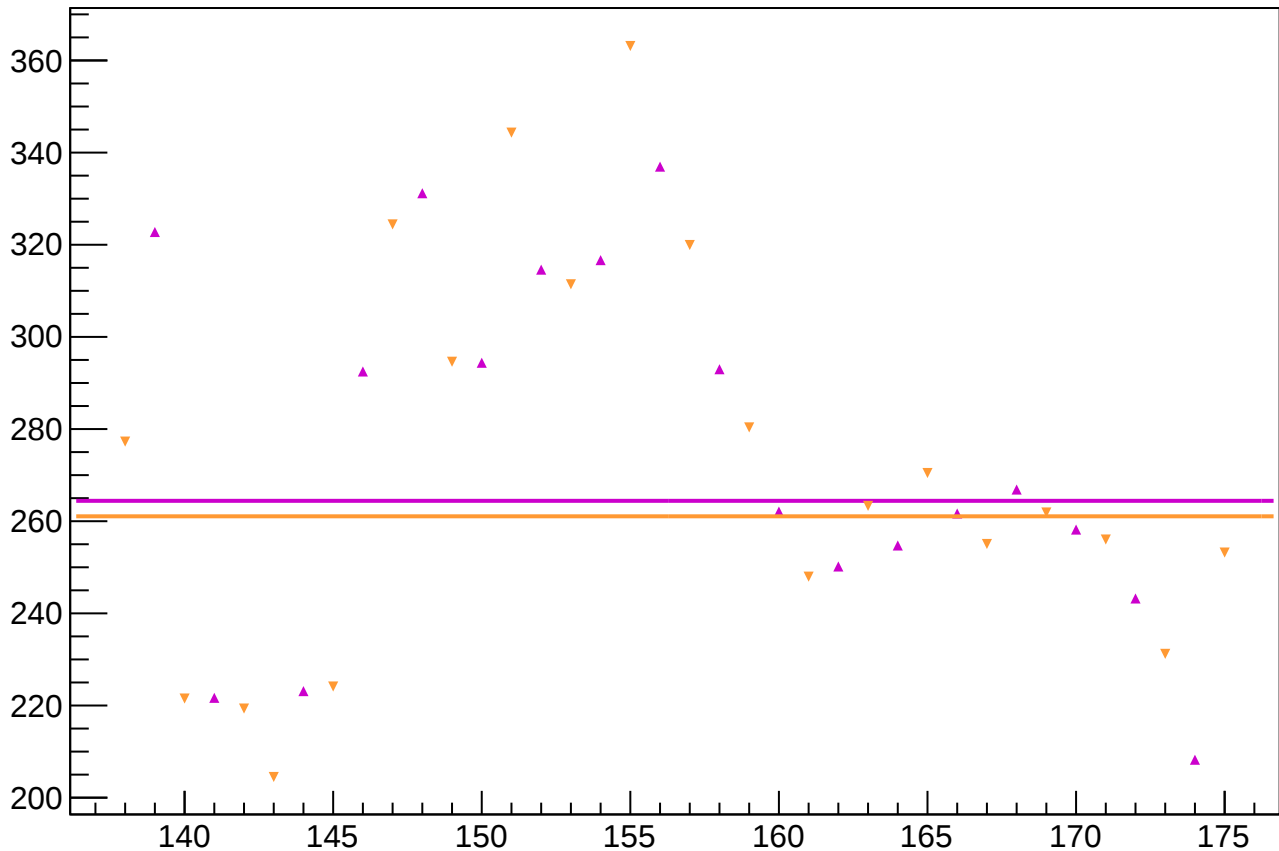
Left In: -37.971 $\pm$ 71.401 χ^2 /NDF: 24.3/17

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

All: -192.279 $\pm$ 49.302 χ^2 /NDF: 81.6/37

- 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: 261.063+/-0.048 χ^2/NDF : 662379.7/19

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

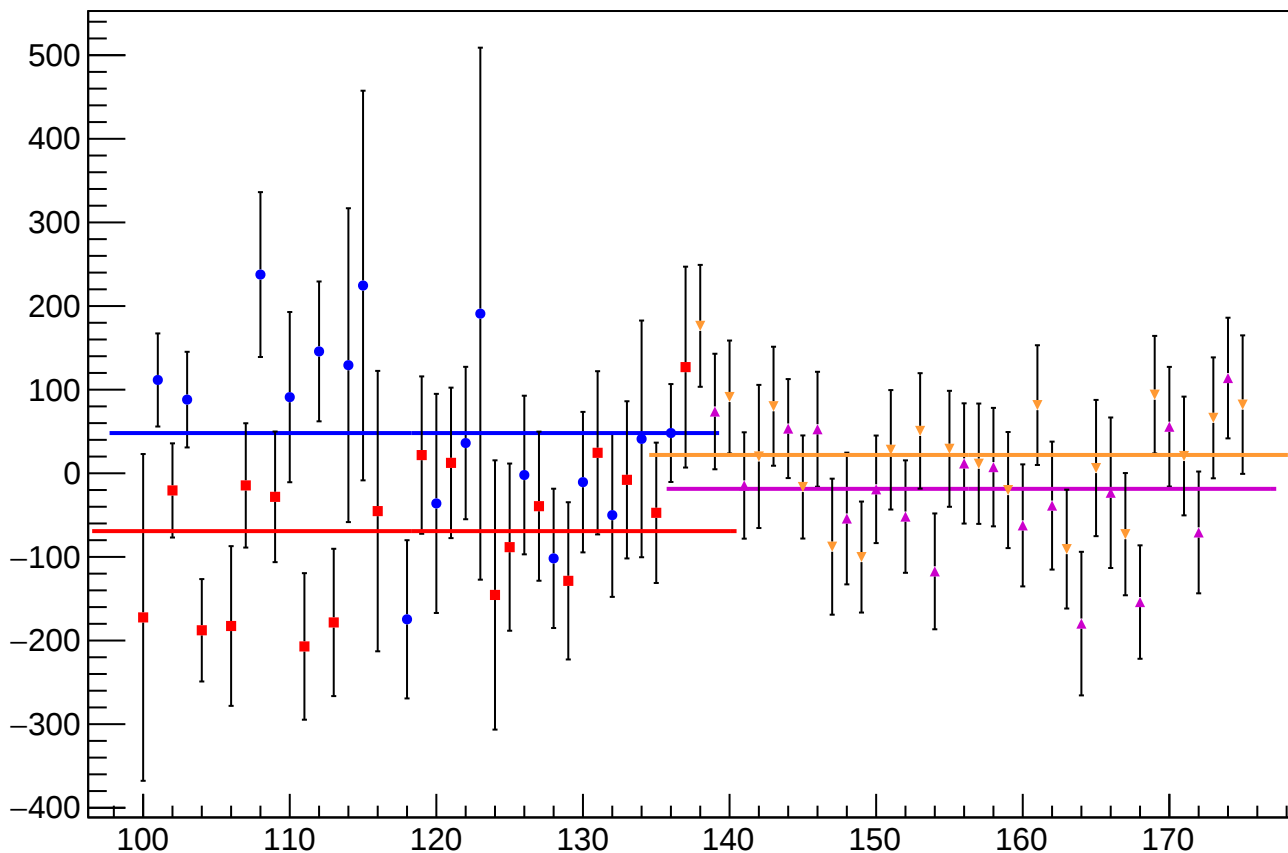
Left In: 264.424+/-0.050 χ^2/NDF : 577029.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 262.666+/-0.035 χ^2/NDF : 1241726.6/37

- 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 χ^2/NDF : 19.0/16

Left Out: 21.935+/-16.083 χ^2/NDF : 19.3/19

Right Out: -69.156+/-20.407 χ^2/NDF : 17.7/18

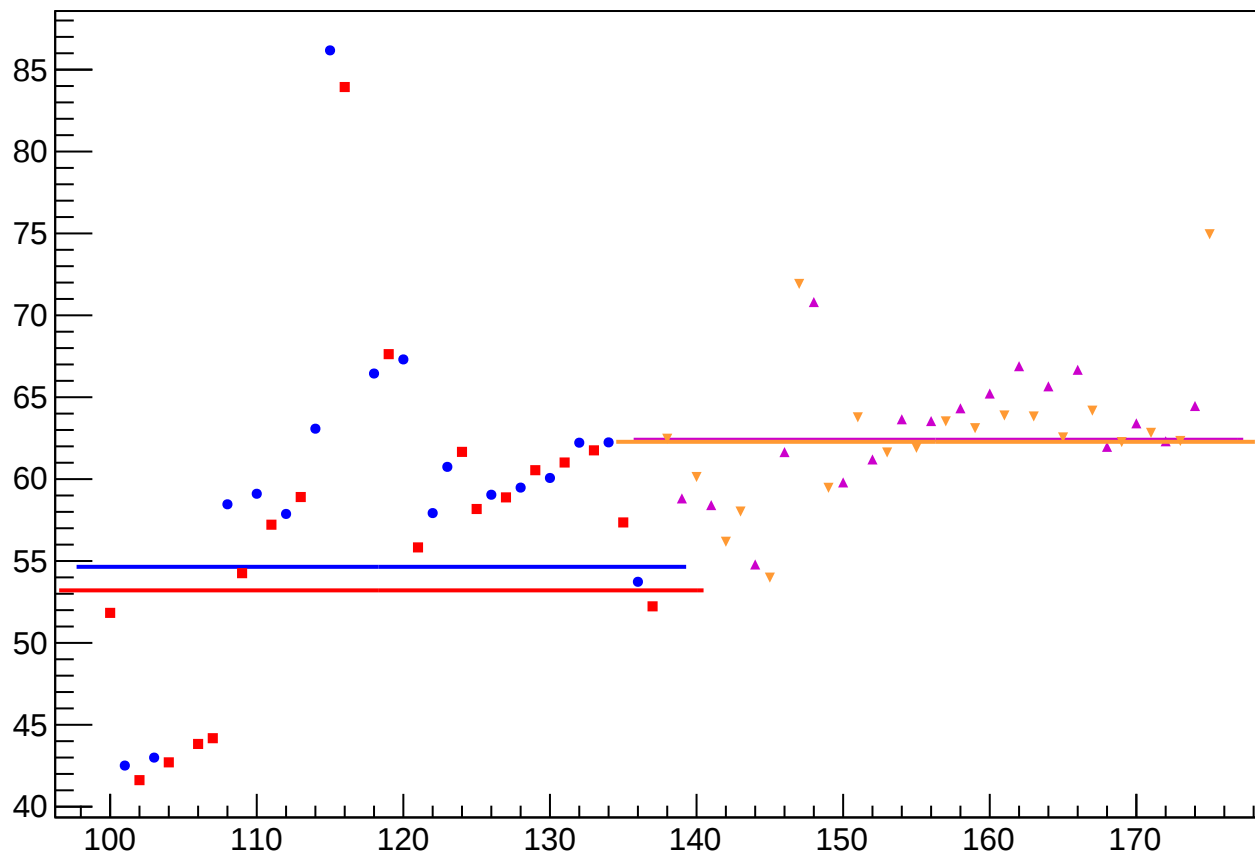
Left In: -18.603+/-16.689 χ^2/NDF : 20.0/17

+ sign 31.320+/-12.880 χ^2/NDF : 39.2/36

All: -3.667+/-9.121 χ^2/NDF : 95.4/73

- sign -38.863+/-12.919 χ^2/NDF : 41.4/36

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 62.278 $\pm$ 0.011 χ^2 /NDF:139510.1/19

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

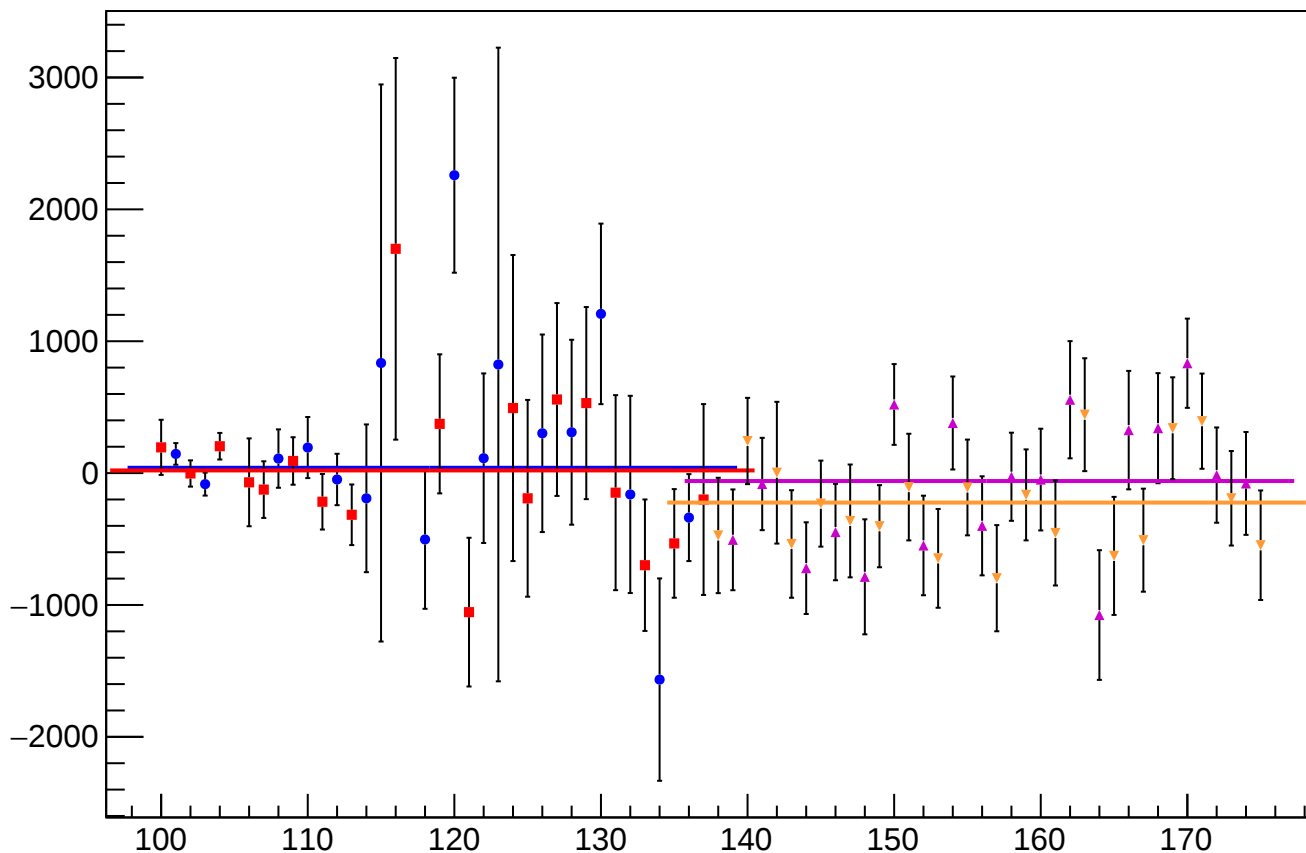
Left In: 62.404 $\pm$ 0.012 χ^2 /NDF:95301.9/17

+ sign 59.541 $\pm$ 0.009 χ^2 /NDF: 620348.9/36

All: 59.131 $\pm$ 0.006 χ^2 /NDF: 1349446.3/73

- sign 58.718 $\pm$ 0.009 χ^2 /NDF: 725029.8/36

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -223.541 $\pm$ 85.778 χ^2 /NDF: 16.9/19

Right Out: 20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

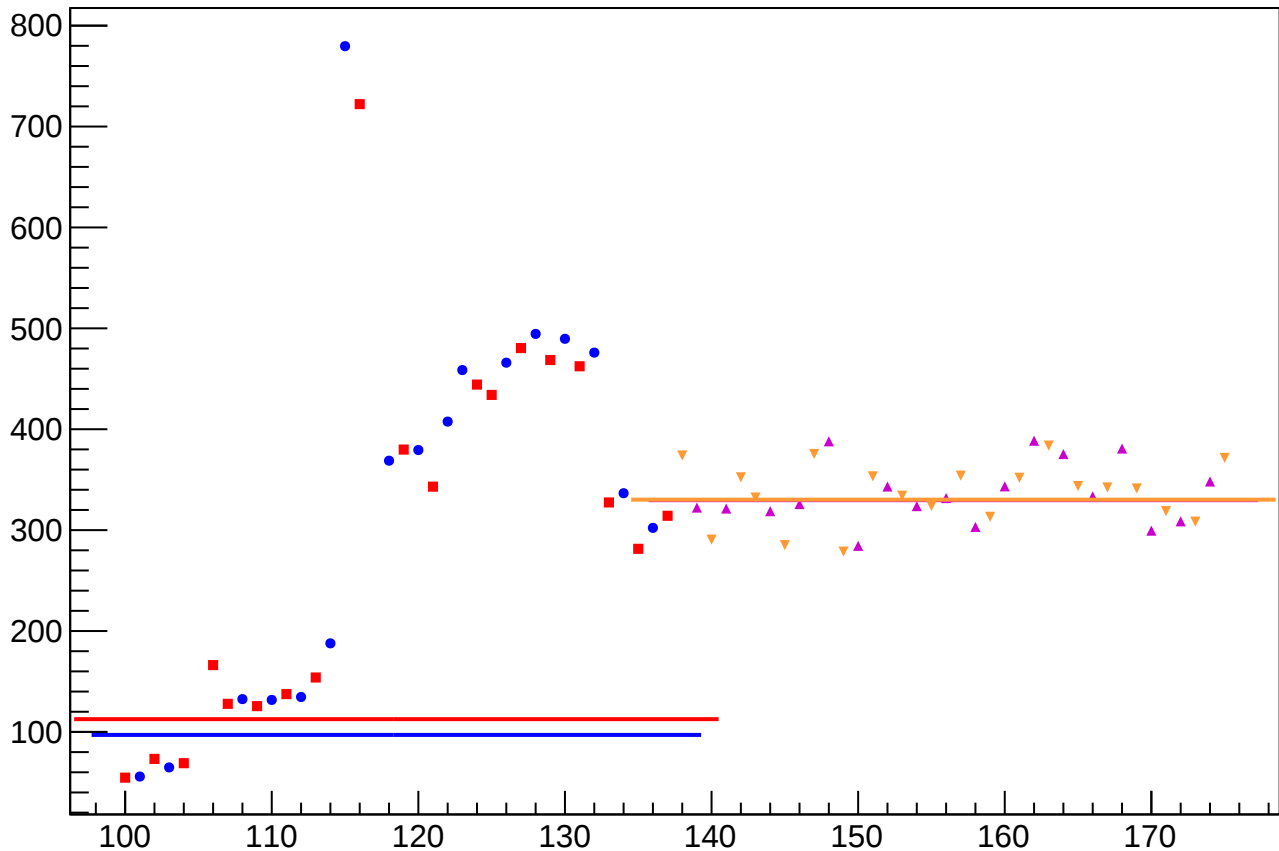
Left In: -60.087 $\pm$ 88.603 χ^2 /NDF: 31.4/17

+ sign -29.759 $\pm$ 44.180 χ^2 /NDF: 47.7/36

All: -15.898 $\pm$ 31.749 χ^2 /NDF: 98.8/73

- sign -1.095 $\pm$ 45.657 χ^2 /NDF: 50.9/36

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 330.198+/-0.061 χ^2/NDF : 259238.4/19

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

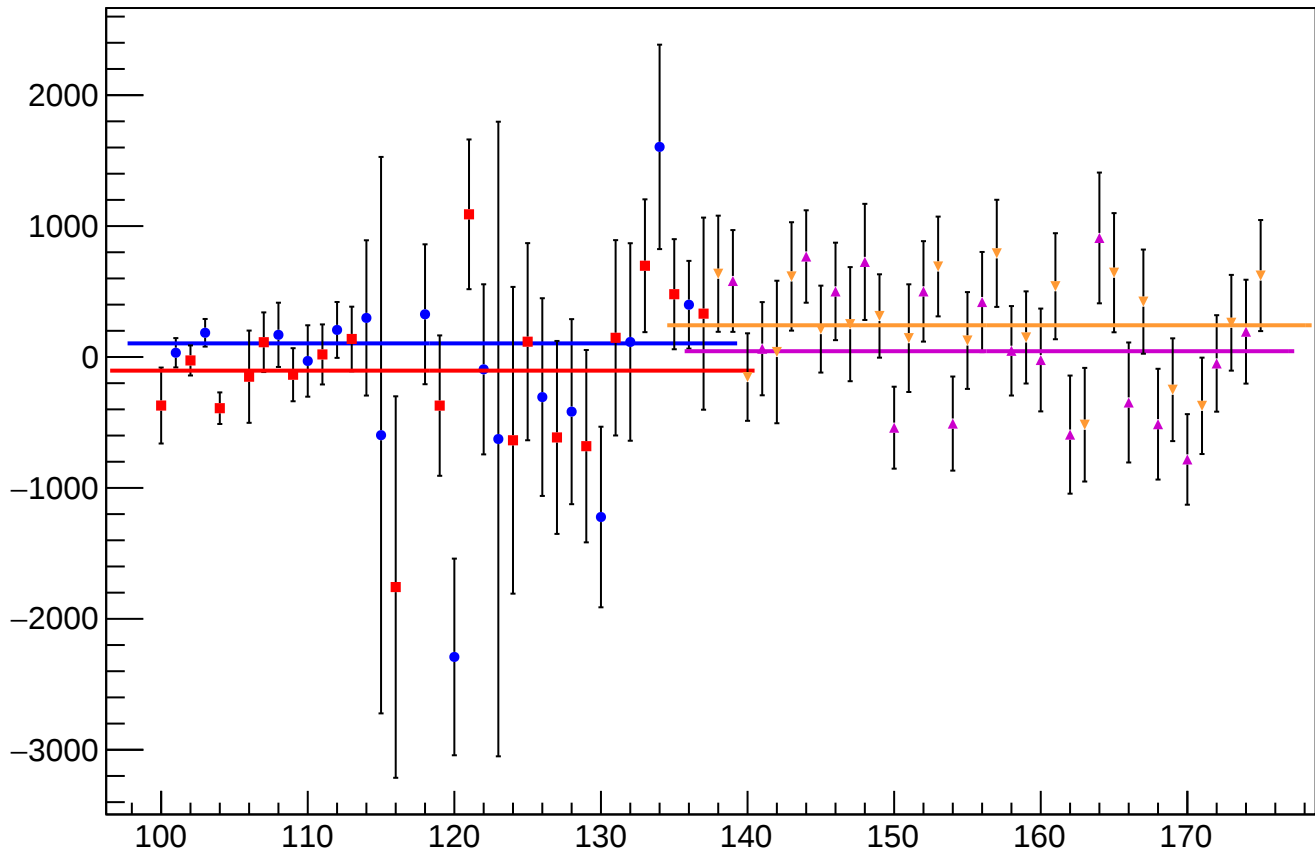
Left In: 329.700+/-0.063 χ^2/NDF : 211671.0/17

+ sign 158.890+/-0.031 χ^2/NDF : 16935852.2/36

All: 164.400+/-0.022 χ^2/NDF : 31062925.9/73

- sign 170.285+/-0.032 χ^2/NDF : 14062739.9/36

asym_sam_15_avg_mean vs Slug



Right In: 104.001 ± 63.156 χ^2/NDF : 21.3/16

Left Out: 242.356 ± 87.345 χ^2/NDF : 16.4/19

Right Out: -104.140 ± 60.857 χ^2/NDF : 21.3/18

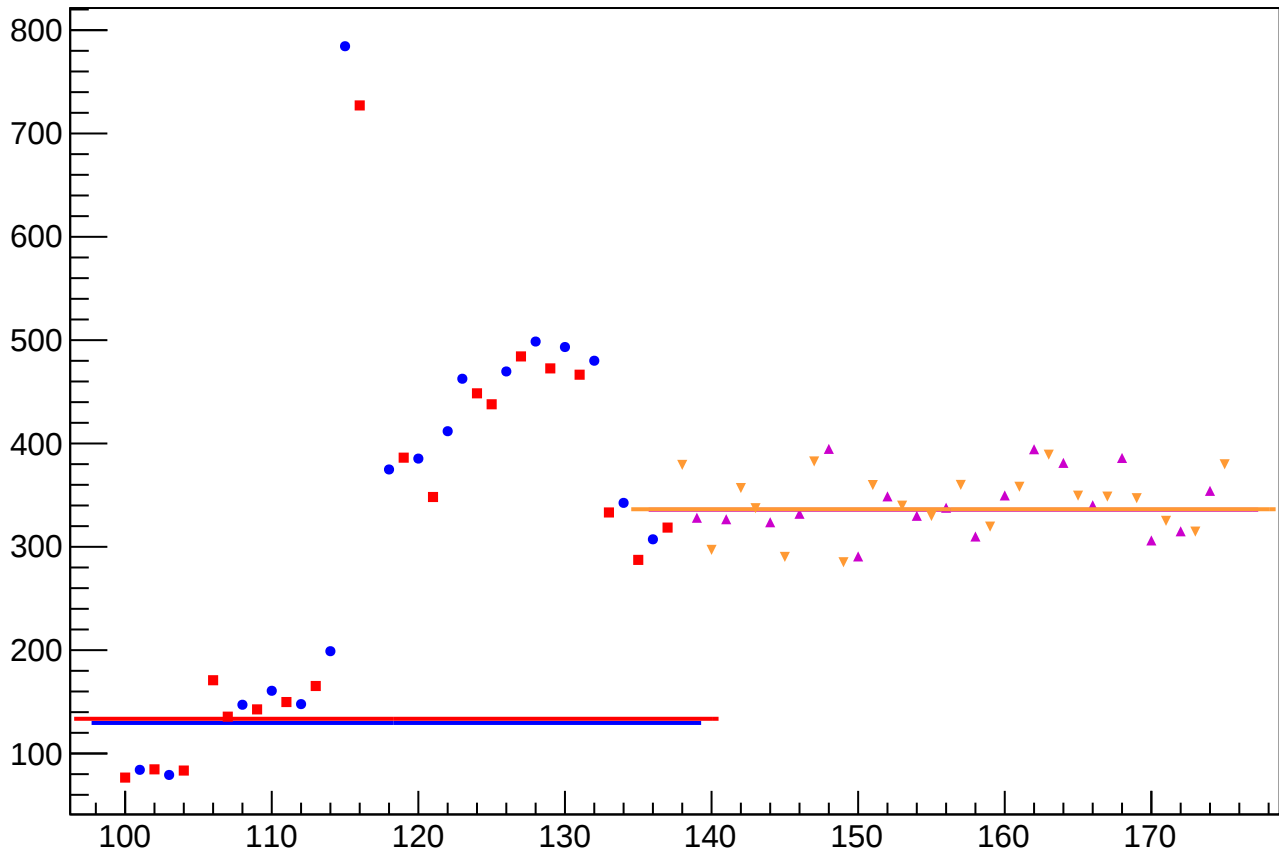
Left In: 44.268 ± 90.231 χ^2/NDF : 31.6/17

+ sign 151.502 ± 51.179 χ^2/NDF : 39.3/36

All: 45.390 ± 35.930 χ^2/NDF : 102.6/73

- sign -57.737 ± 50.454 χ^2/NDF : 54.8/36

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 336.363+/-0.062 χ^2/NDF : 251061.1/19

Right Out: 133.593+/-0.043 χ^2/NDF : 4366252.1/18

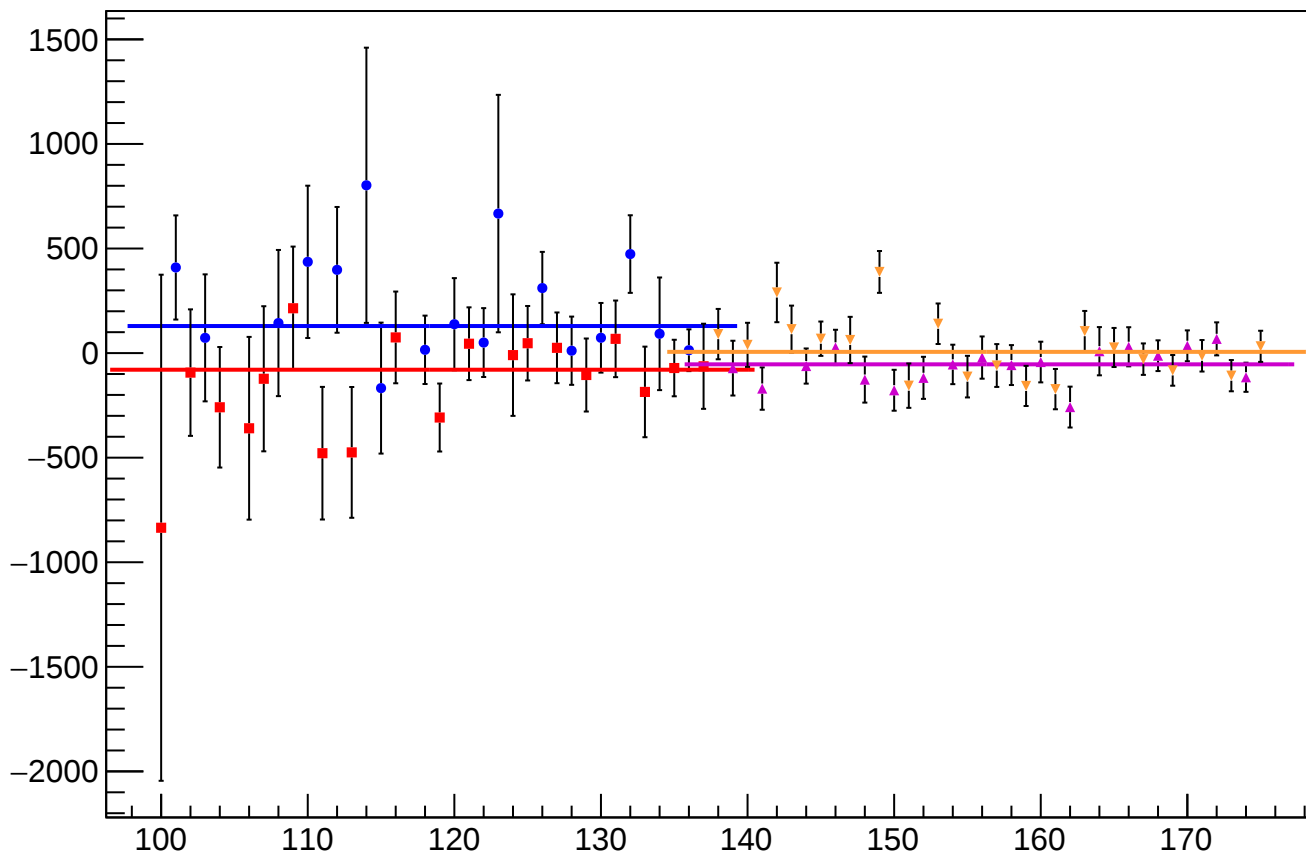
Left In: 335.874+/-0.064 χ^2/NDF : 202337.7/17

+ sign 200.556+/-0.036 χ^2/NDF : 12386543.0/36

All: 198.671+/-0.025 χ^2/NDF : 23869246.6/73

- sign 196.839+/-0.036 χ^2/NDF : 11477353.4/36

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 5.903 $\pm$ 20.647 χ^2 /NDF:38.6/19

Right Out: -79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

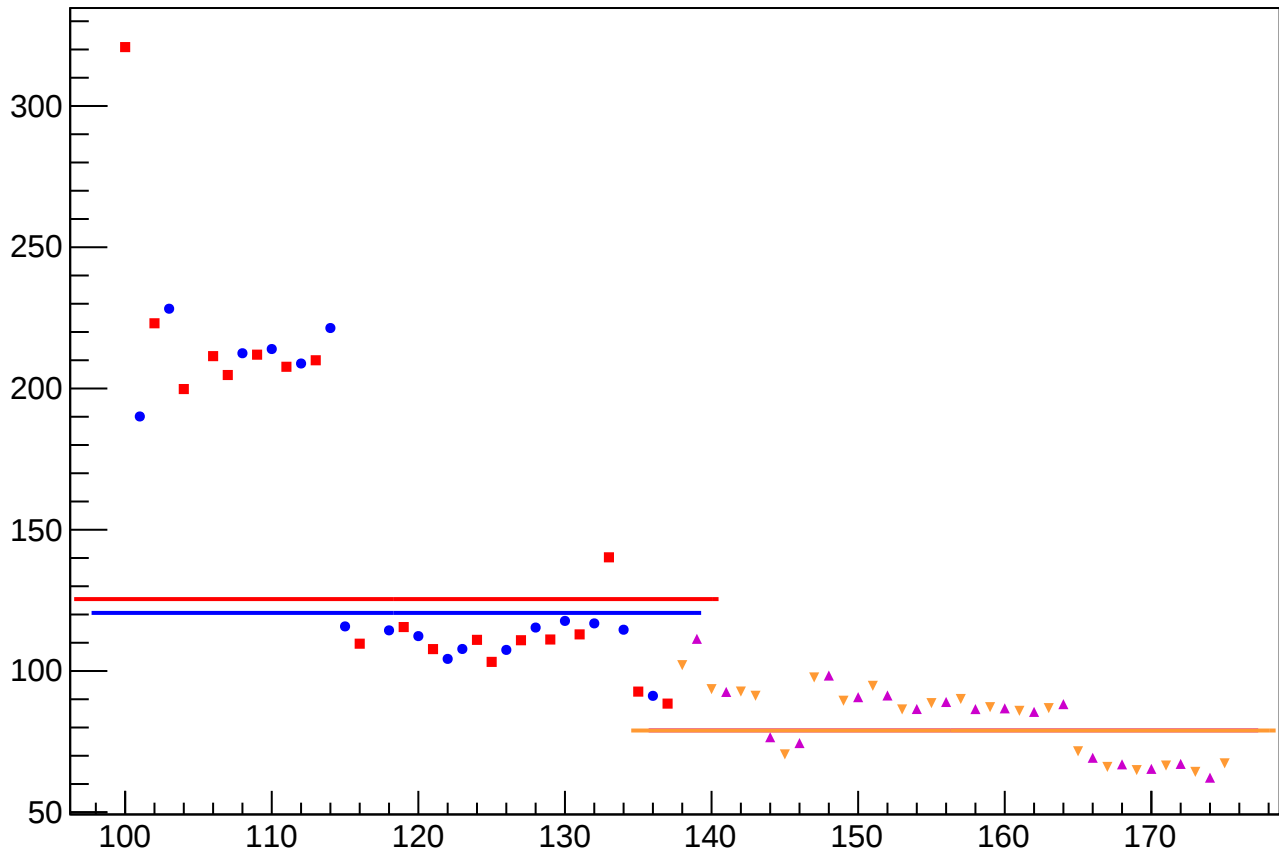
Left In: -53.727 $\pm$ 21.419 χ^2 /NDF:15.2/17

+ sign 24.446 $\pm$ 19.034 χ^2 /NDF: 56.9/36

All: -15.271 $\pm$ 13.682 χ^2 /NDF: 91.6/73

- sign -57.736 $\pm$ 19.681 χ^2 /NDF: 25.7/36

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 ± 0.035 χ^2/NDF : 1112076.4/16

Left Out: 78.937 ± 0.015 χ^2/NDF : 717828.6/19

Right Out: 125.458 ± 0.035 χ^2/NDF : 1333754.6/18

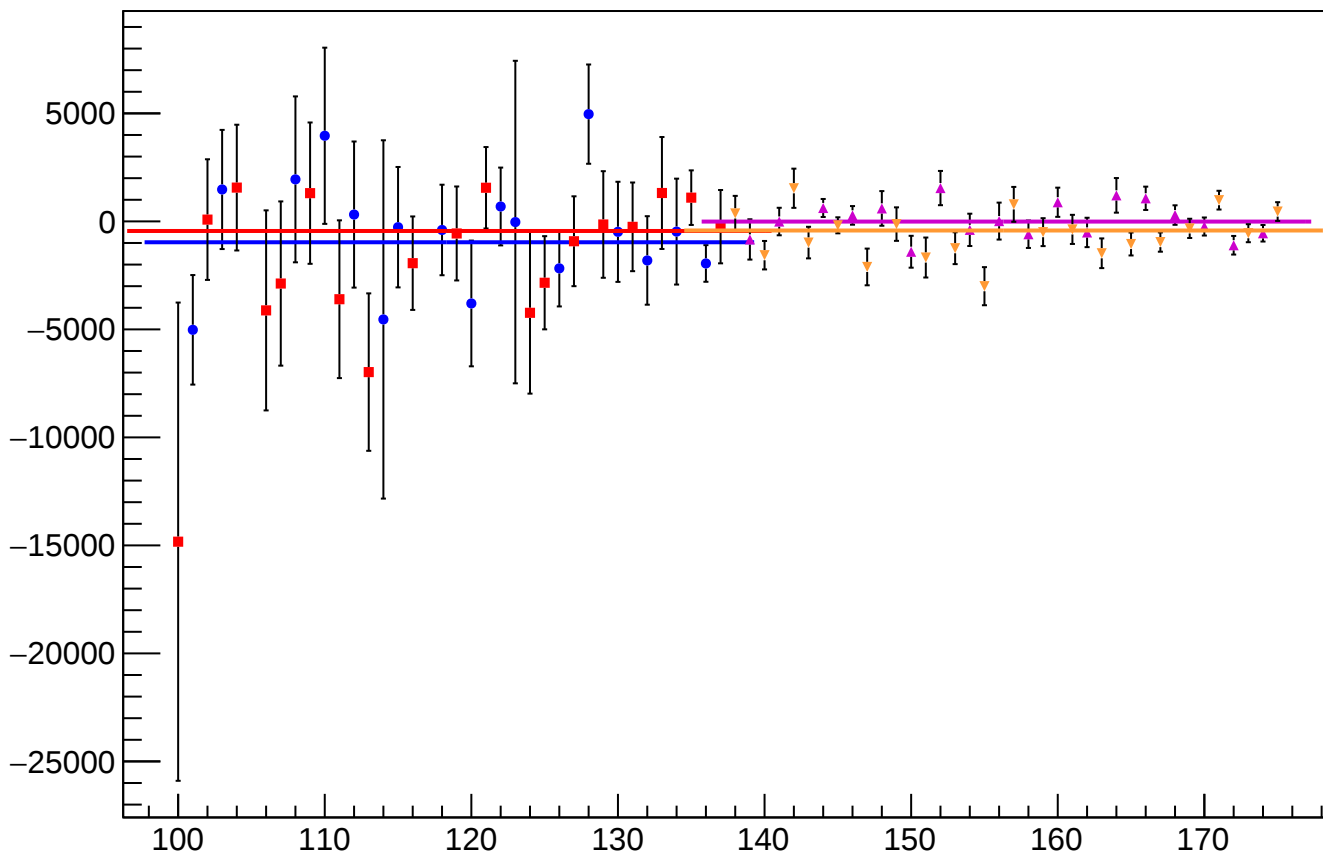
Left In: 78.980 ± 0.015 χ^2/NDF : 671093.3/17

+ sign 85.187 ± 0.013 χ^2/NDF : 3050593.0/36

All: 85.684 ± 0.010 χ^2/NDF : 6524146.4/73

- sign 86.214 ± 0.014 χ^2/NDF : 3470738.4/36

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -421.743 ± 129.357 χ^2/NDF : 47.4/19

Right Out: -444.406 ± 545.370 χ^2/NDF : 13.4/18

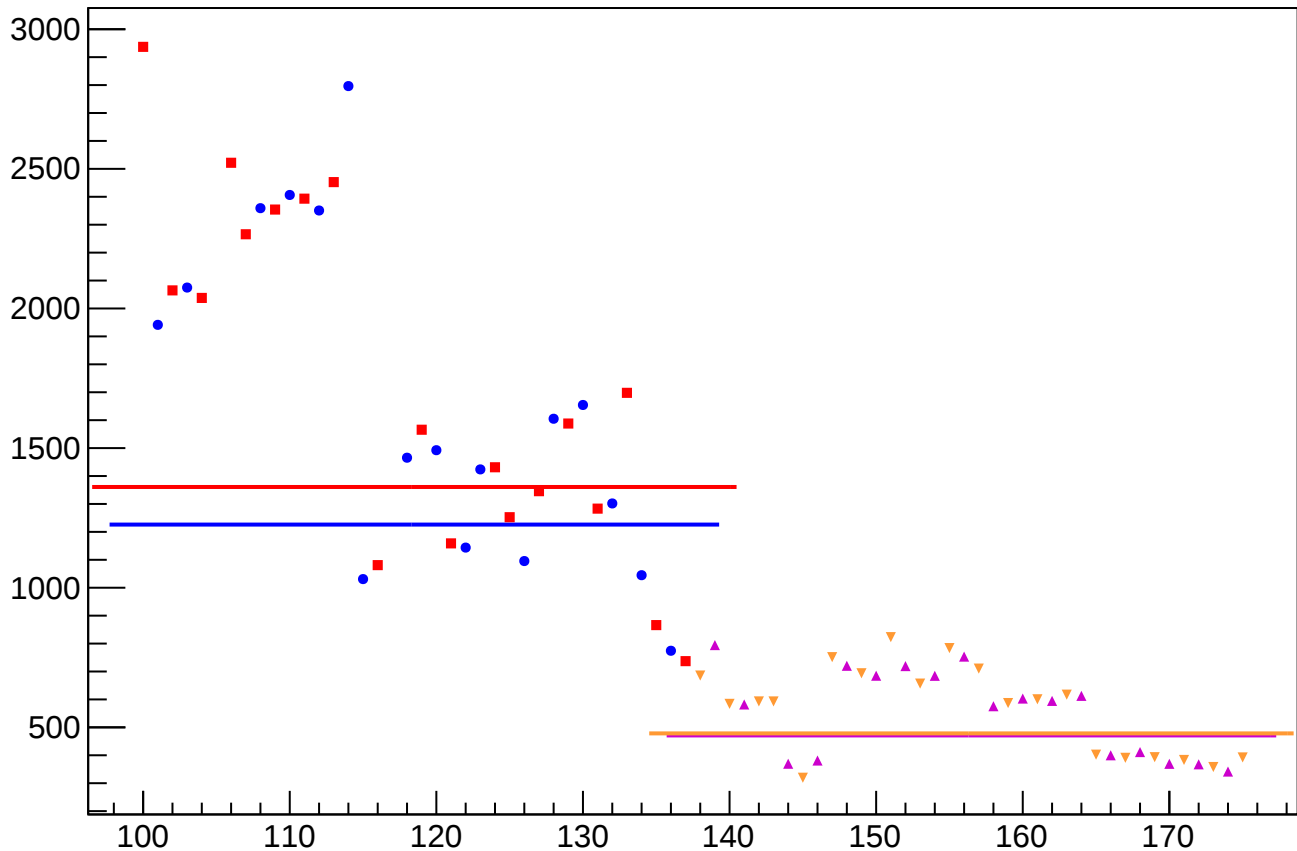
Left In: -9.068 ± 131.814 χ^2/NDF : 30.4/17

+ sign -454.394 ± 125.421 χ^2/NDF : 64.9/36

All: -248.237 ± 89.627 χ^2/NDF : 114.8/73

- sign -33.095 ± 128.125 χ^2/NDF : 44.4/36

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 478.360+/-0.091 χ^2/NDF : 2525581.0/19

+ sign 523.173+/-0.089 χ^2/NDF : 8287027.1/36

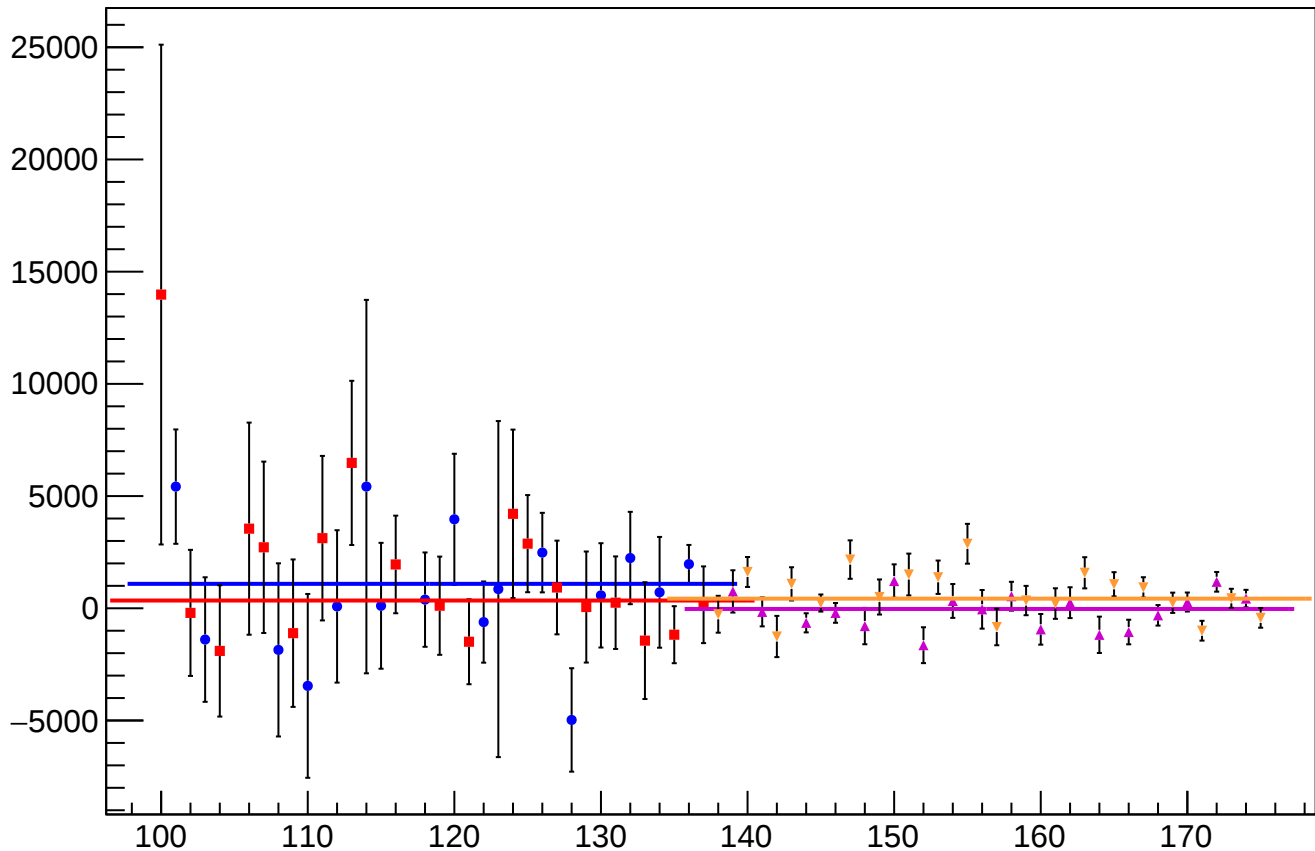
Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

All: 521.693+/-0.063 χ^2/NDF : 17301158.7/73

Left In: 471.041+/-0.093 χ^2/NDF : 2235214.7/17

- sign 520.148+/-0.091 χ^2/NDF : 9013562.5/36

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 428.881 $\pm$ 131.224 χ^2 /NDF: 45.4/19

Right Out: 345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

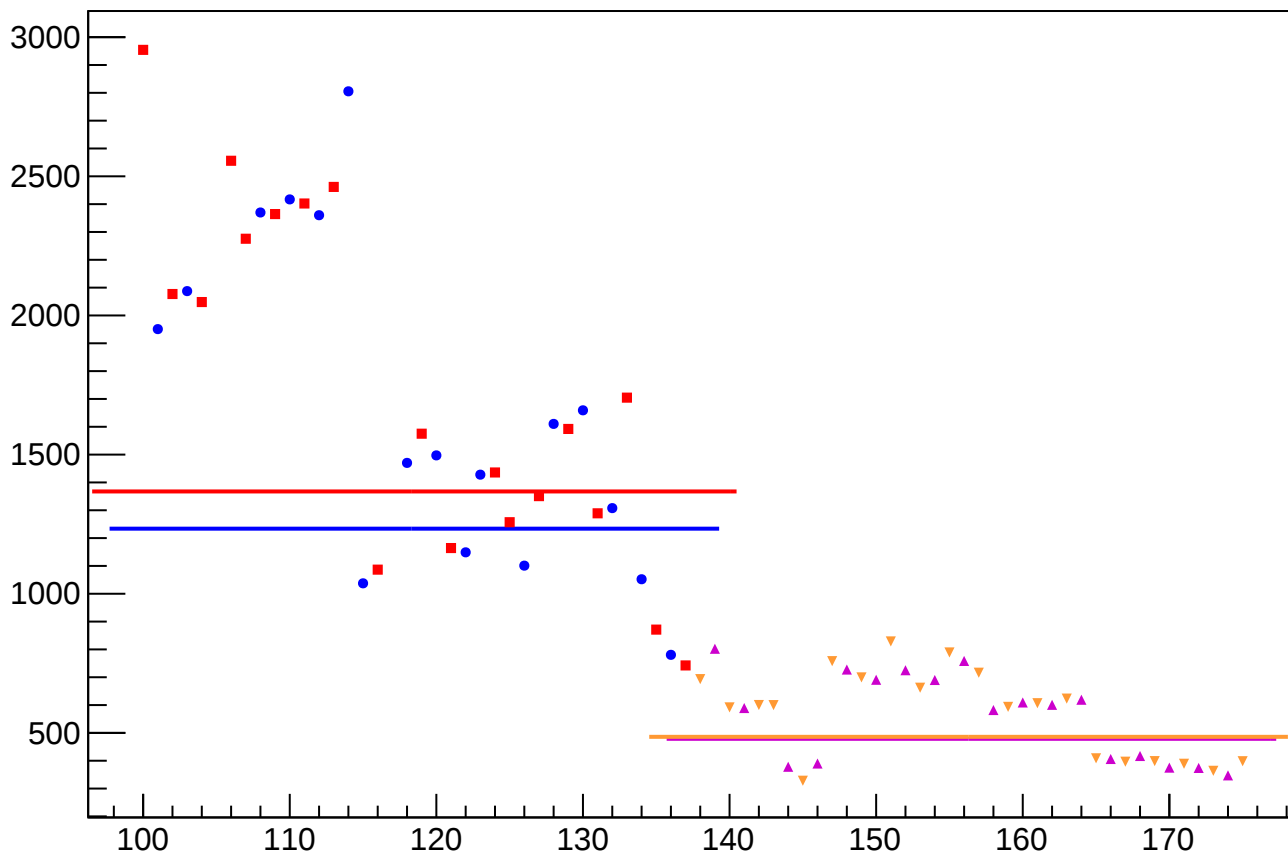
Left In: -30.678 $\pm$ 133.794 χ^2 /NDF: 29.2/17

+ sign 469.090 $\pm$ 127.165 χ^2 /NDF: 63.9/36

All: 235.020 $\pm$ 90.898 χ^2 /NDF: 112.9/73

- sign -9.522 $\pm$ 129.978 χ^2 /NDF: 42.1/36

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 485.901+/-0.093 χ^2/NDF : 2458380.6/19

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

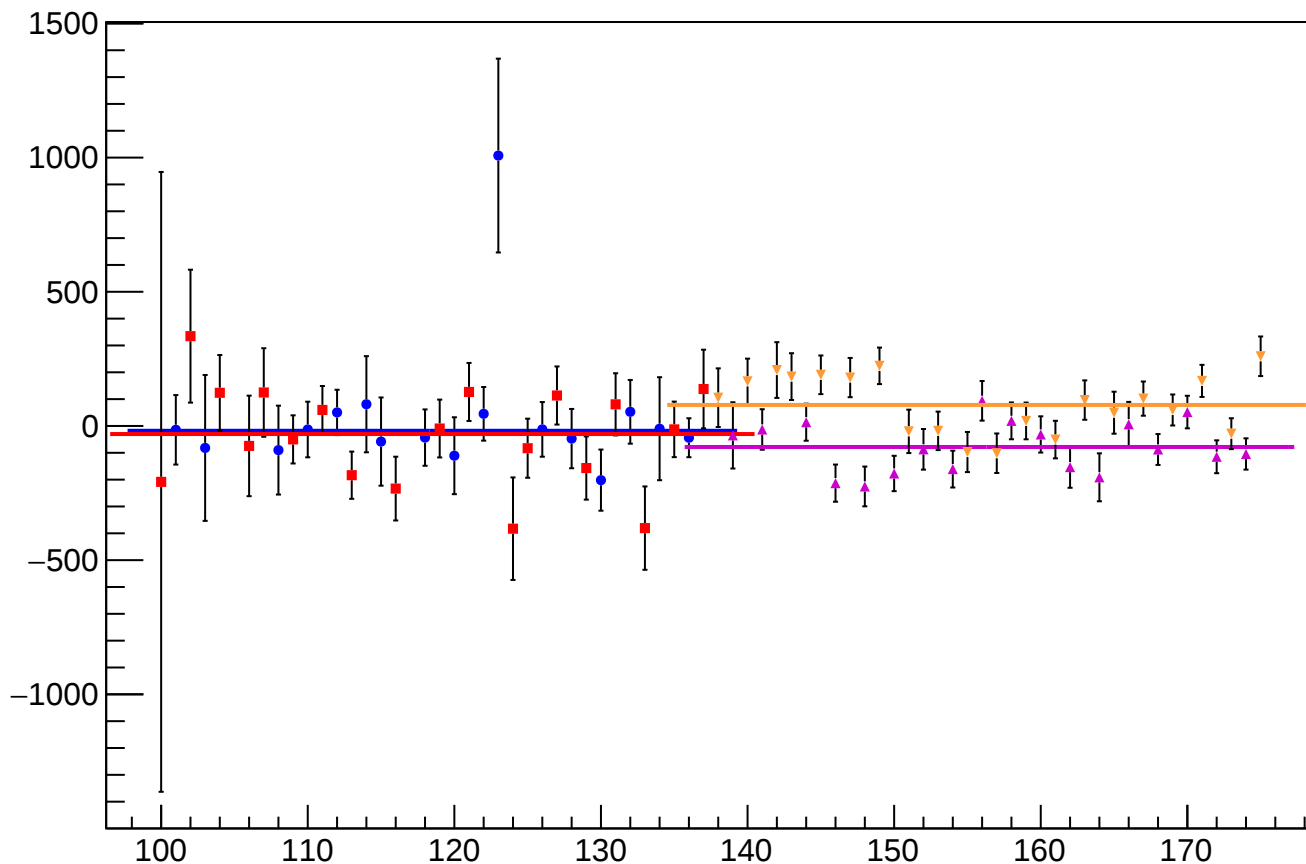
Left In: 478.711+/-0.095 χ^2/NDF : 2177419.2/17

+ sign 531.457+/-0.090 χ^2/NDF : 8159960.0/36

All: 530.100+/-0.064 χ^2/NDF : 17045403.9/73

- sign 528.684+/-0.092 χ^2/NDF : 8884978.8/36

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 78.355 ± 16.153 χ^2/NDF : 44.3/19

Right Out: -30.070 ± 27.976 χ^2/NDF : 27.4/18

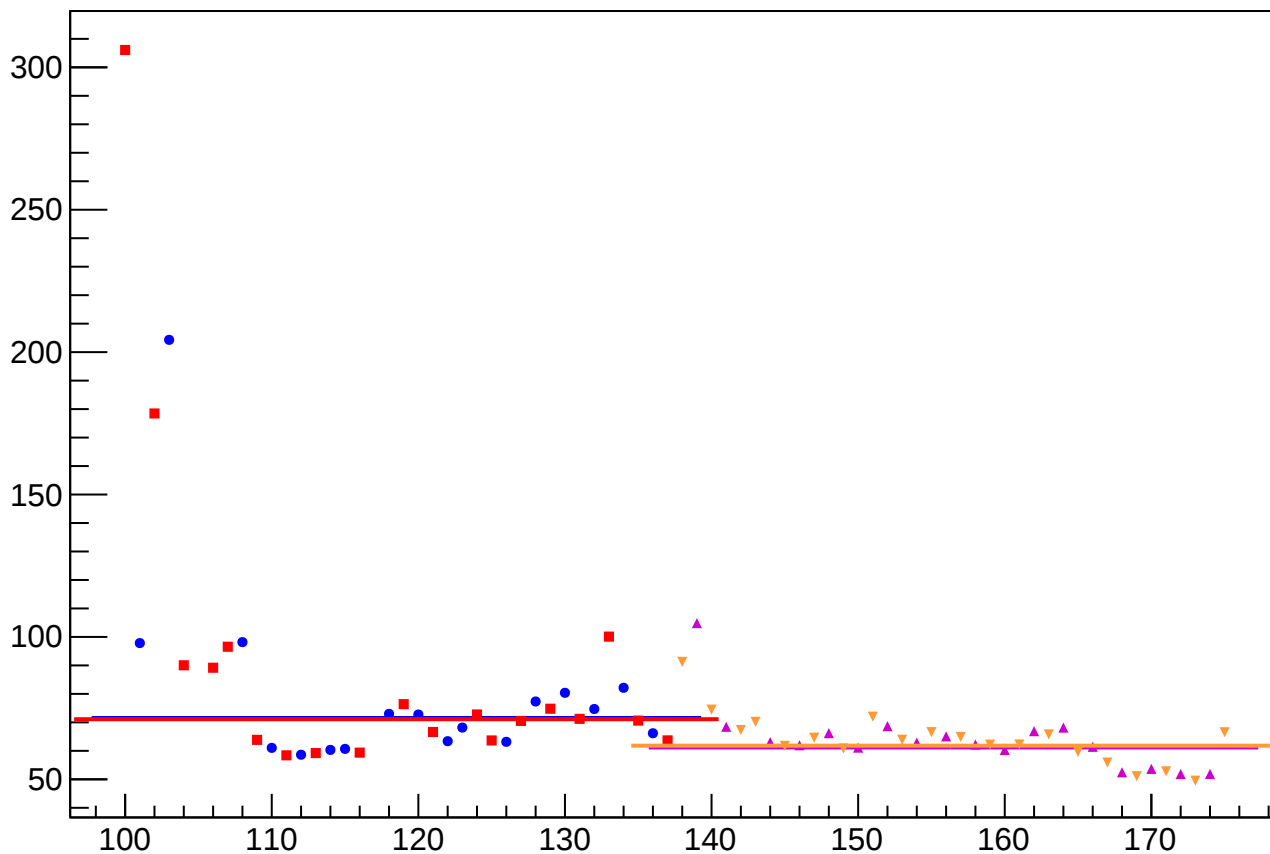
Left In: -78.292 ± 16.560 χ^2/NDF : 30.8/17

+ sign 55.364 ± 14.094 χ^2/NDF : 66.1/36

All: -4.536 ± 10.021 χ^2/NDF : 163.0/73

- sign -65.779 ± 14.251 χ^2/NDF : 60.4/36

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 61.821 $\pm$ 0.011 χ^2 /NDF: 500761.8/19

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

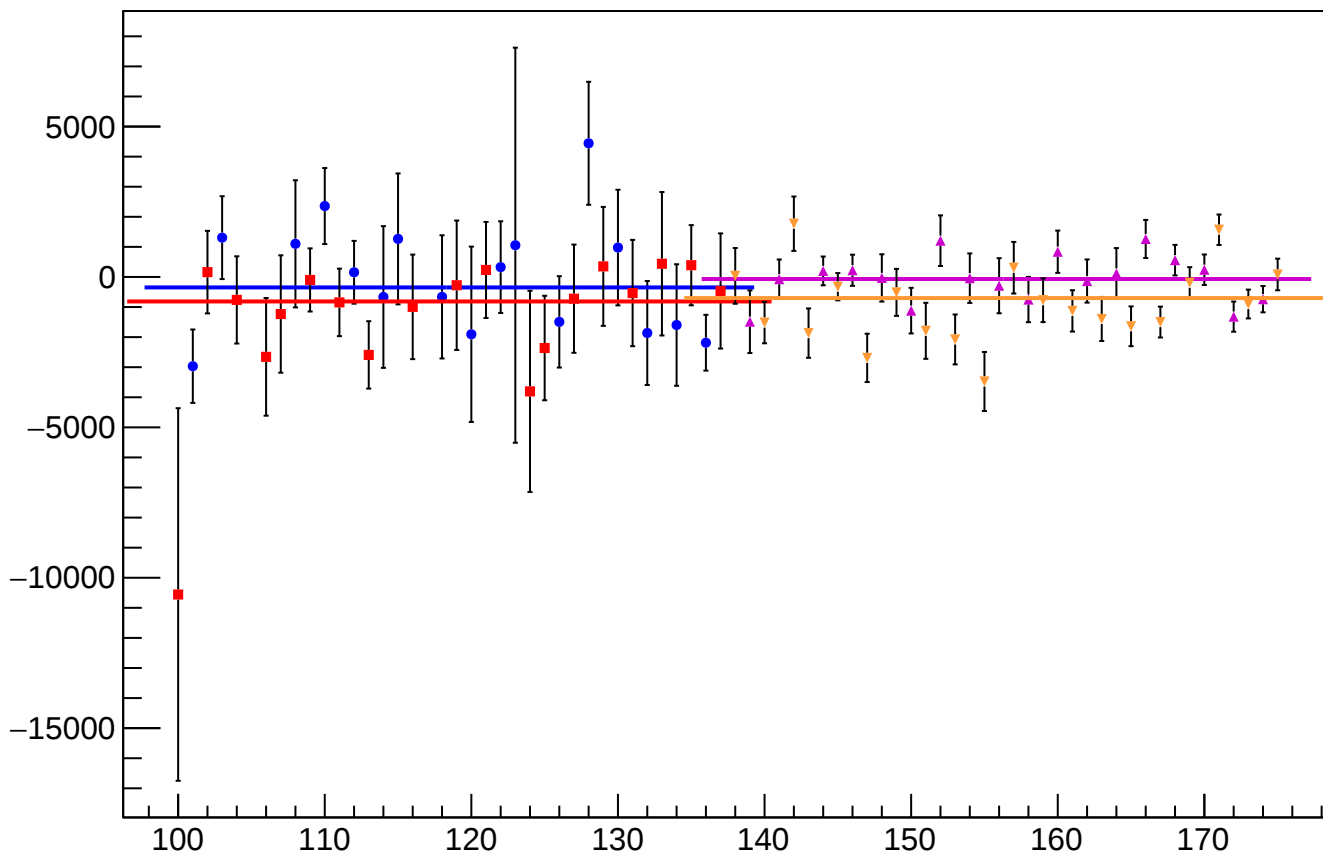
Left In: 61.182 $\pm$ 0.012 χ^2 /NDF: 503815.5/17

+ sign 64.140 $\pm$ 0.010 χ^2 /NDF: 1432415.2/36

All: 63.952 $\pm$ 0.007 χ^2 /NDF: 2888801.0/73

- sign 63.760 $\pm$ 0.010 χ^2 /NDF: 1455667.0/36

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 $\pm$ 381.994 χ^2/NDF : 24.1/16

Left Out: -701.694 $\pm$ 146.443 χ^2/NDF : 61.1/19

Right Out: -814.154 $\pm$ 369.807 χ^2/NDF : 10.5/18

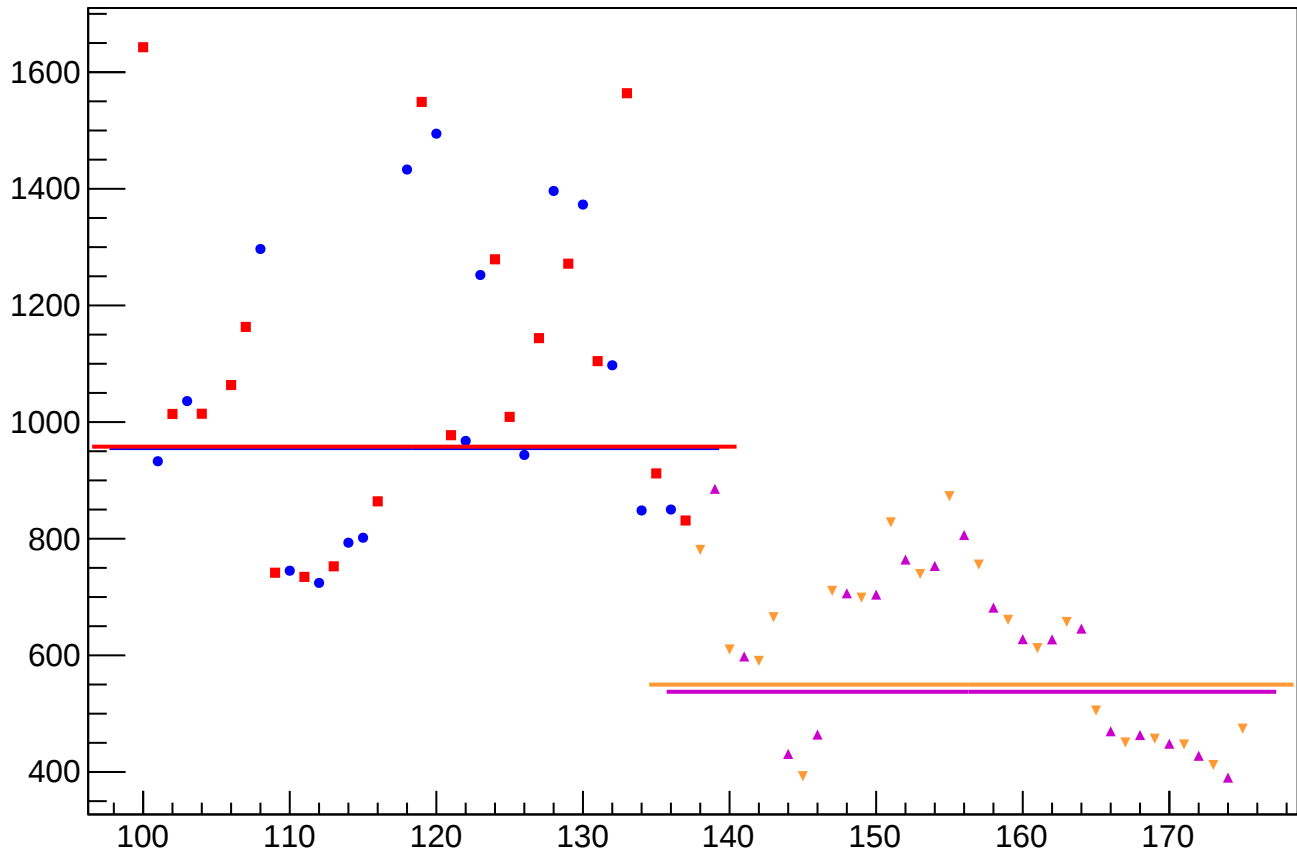
Left In: -68.826 $\pm$ 148.407 χ^2/NDF : 24.2/17

+ sign -656.364 $\pm$ 136.739 χ^2/NDF : 86.0/36

All: -416.036 $\pm$ 97.038 χ^2/NDF : 130.4/73

- sign -172.211 $\pm$ 137.730 χ^2/NDF : 38.2/36

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 549.802 $\pm$ 0.104 χ^2 /NDF: 1735279.8/19

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

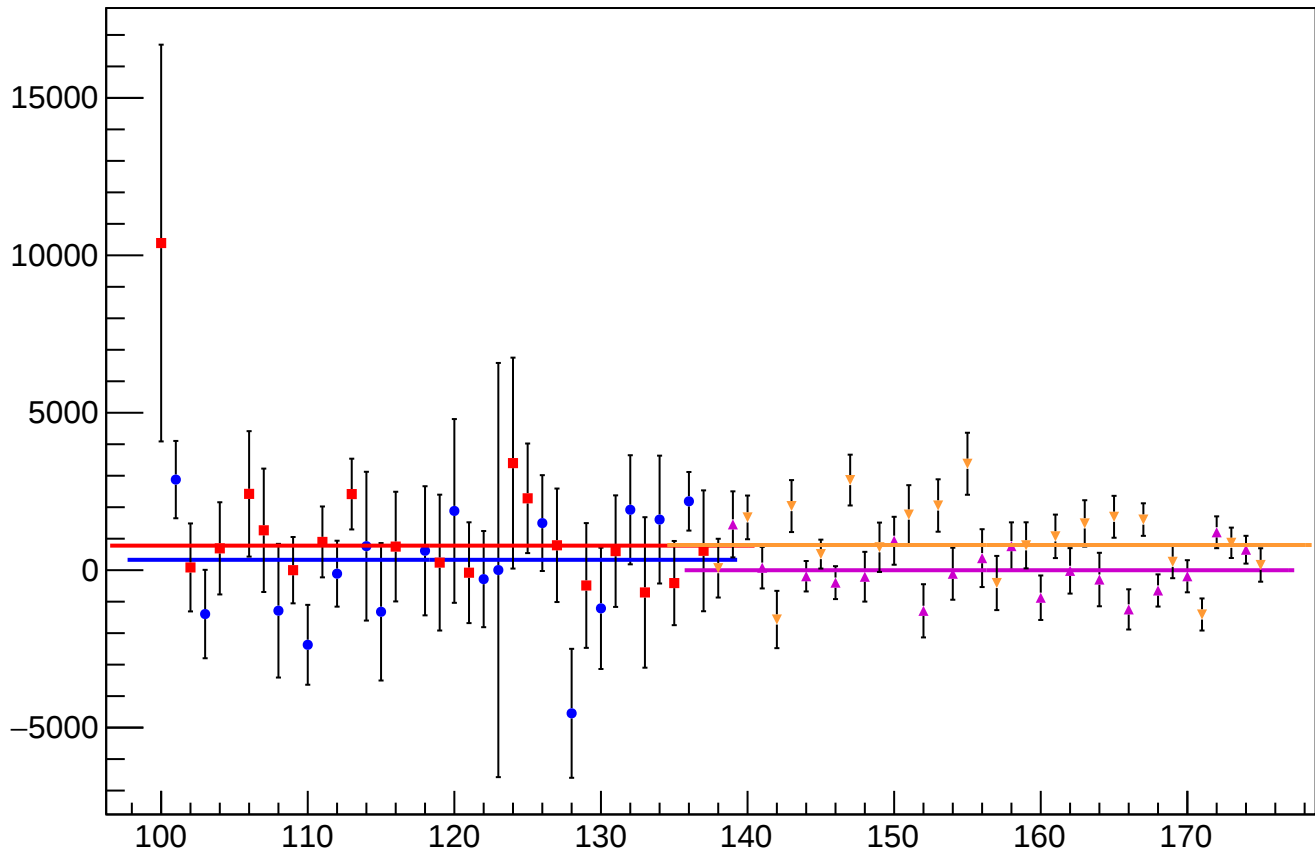
Left In: 537.530 $\pm$ 0.105 χ^2 /NDF: 1644285.5/17

+ sign 601.778 $\pm$ 0.097 χ^2 /NDF: 4347916.0/36

All: 598.827 $\pm$ 0.069 χ^2 /NDF: 8912449.4/73

- sign 595.832 $\pm$ 0.097 χ^2 /NDF: 4562656.6/36

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 799.593 ± 147.480 χ^2/NDF : 56.9/19

Right Out: 779.623 ± 371.673 χ^2/NDF : 9.3/18

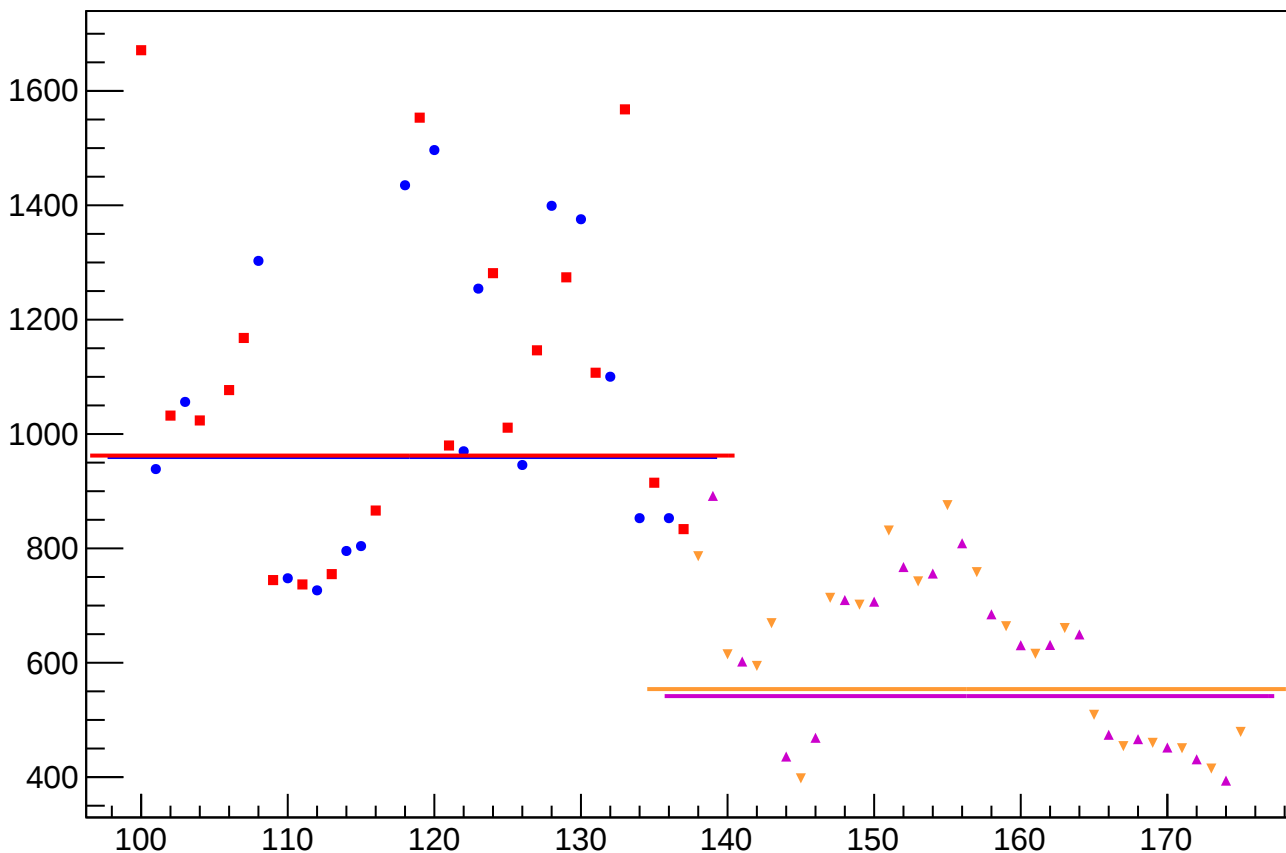
Left In: -1.760 ± 149.480 χ^2/NDF : 22.8/17

+ sign 739.048 ± 137.663 χ^2/NDF : 82.5/36

All: 425.376 ± 97.701 χ^2/NDF : 128.9/73

- sign 107.032 ± 138.684 χ^2/NDF : 36.0/36

asym_sam_37_avg_rms vs Slug



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 553.959+/-0.104 χ^2/NDF : 1707776.8/19

Right Out: 962.314+/-0.263 χ^2/NDF : 695757.2/18

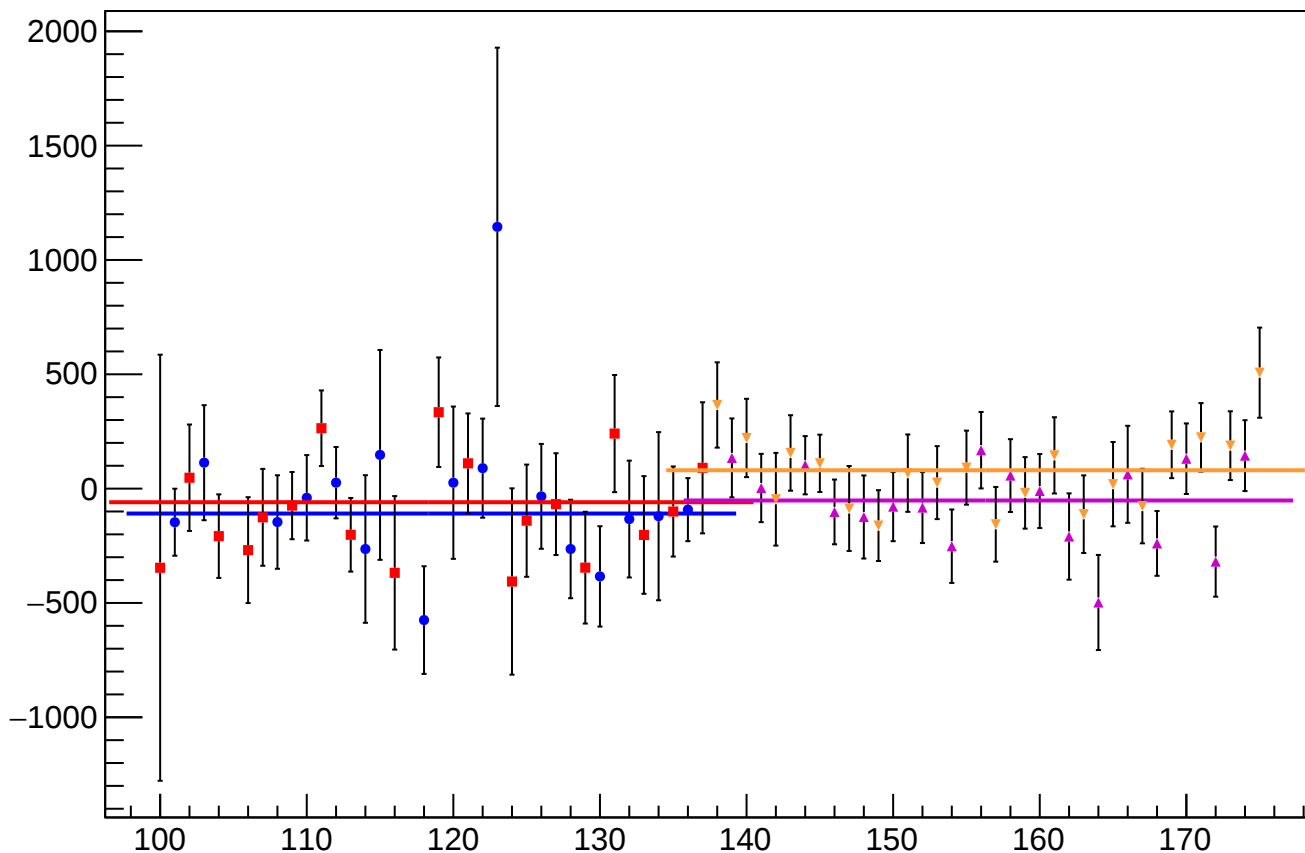
Left In: 541.682+/-0.106 χ^2/NDF : 1619835.0/17

+ sign 606.187+/-0.097 χ^2/NDF : 4303446.6/36

All: 603.239+/-0.069 χ^2/NDF : 8825838.7/73

- sign 600.247+/-0.098 χ^2/NDF : 4520543.7/36

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 80.375 ± 36.561 χ^2/NDF : 18.7/19

Right Out: -59.475 ± 50.822 χ^2/NDF : 14.9/18

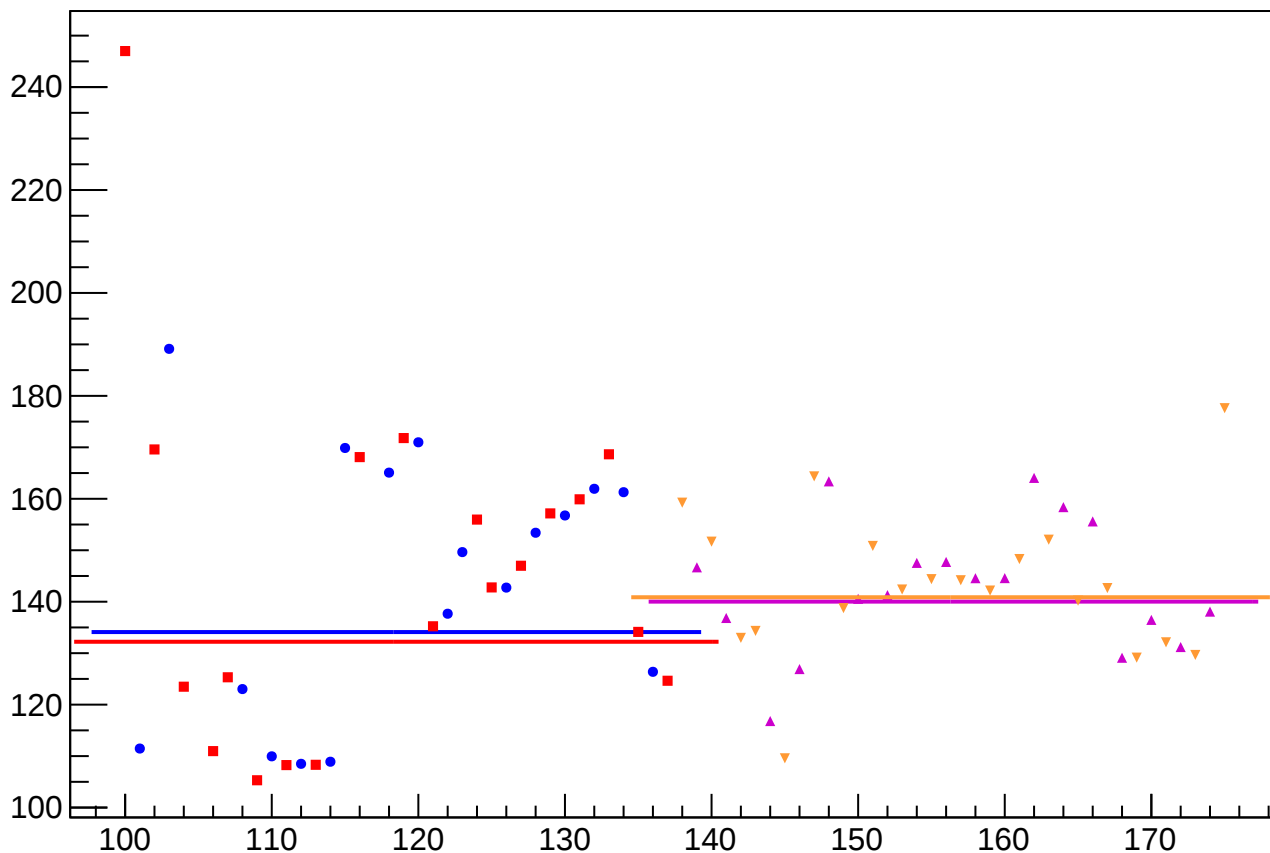
Left In: -51.875 ± 37.607 χ^2/NDF : 20.3/17

+ sign 19.202 ± 30.081 χ^2/NDF : 39.4/36

All: -17.498 ± 21.323 χ^2/NDF : 77.6/73

- sign -54.564 ± 30.230 χ^2/NDF : 35.2/36

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 140.867 $\pm$ 0.026 χ^2 /NDF:312672.9/19

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

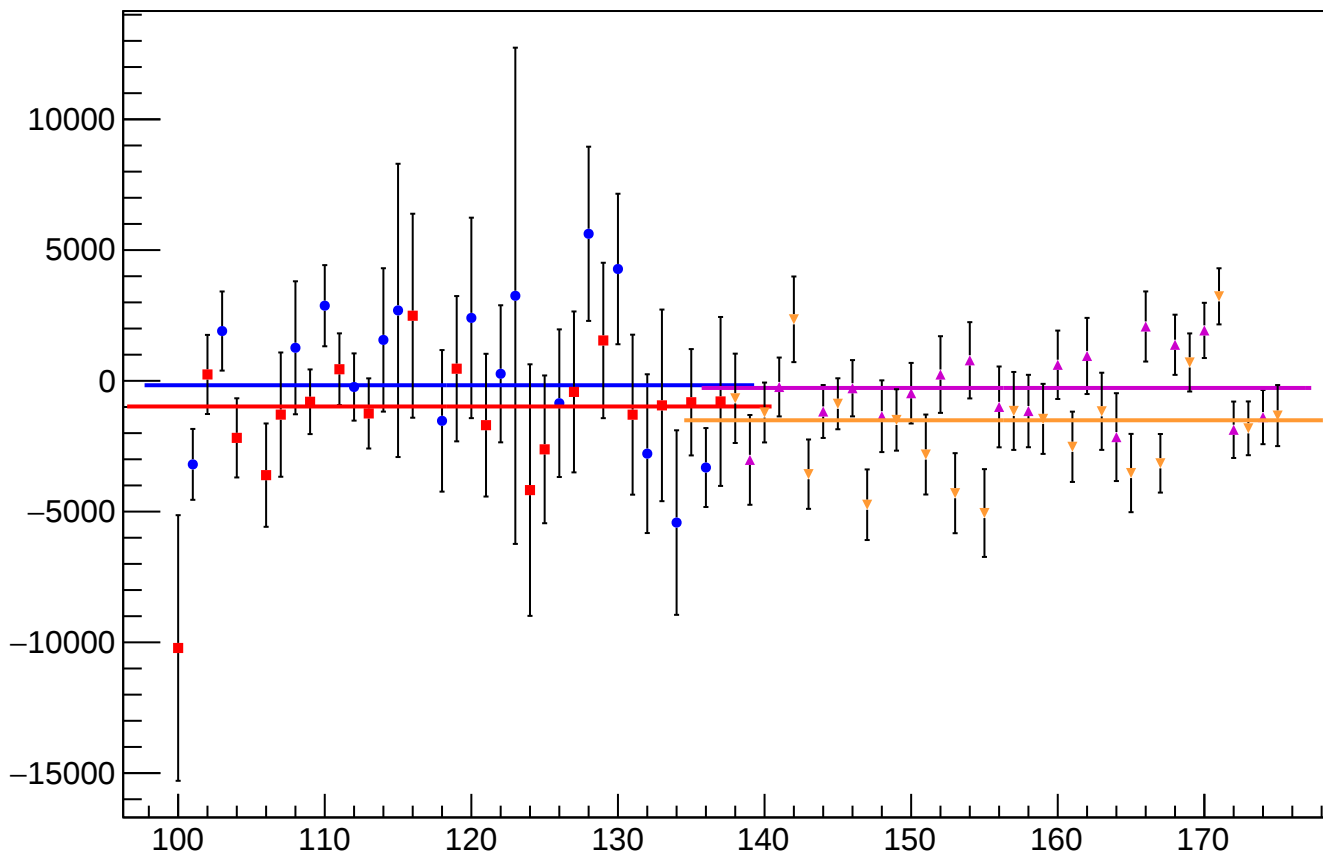
Left In: 140.019 $\pm$ 0.027 χ^2 /NDF:211217.3/17

+ sign 138.682 $\pm$ 0.021 χ^2 /NDF: 737371.1/36

All: 137.974 $\pm$ 0.015 χ^2 /NDF: 1422998.5/73

- sign 137.259 $\pm$ 0.021 χ^2 /NDF: 683400.9/36

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237±/523.672 χ^2/NDF : 25.3/16

Left Out: -1508.120±/286.224 χ^2/NDF : 51.2/19

Right Out: -980.517±/480.968 χ^2/NDF : 10.2/18

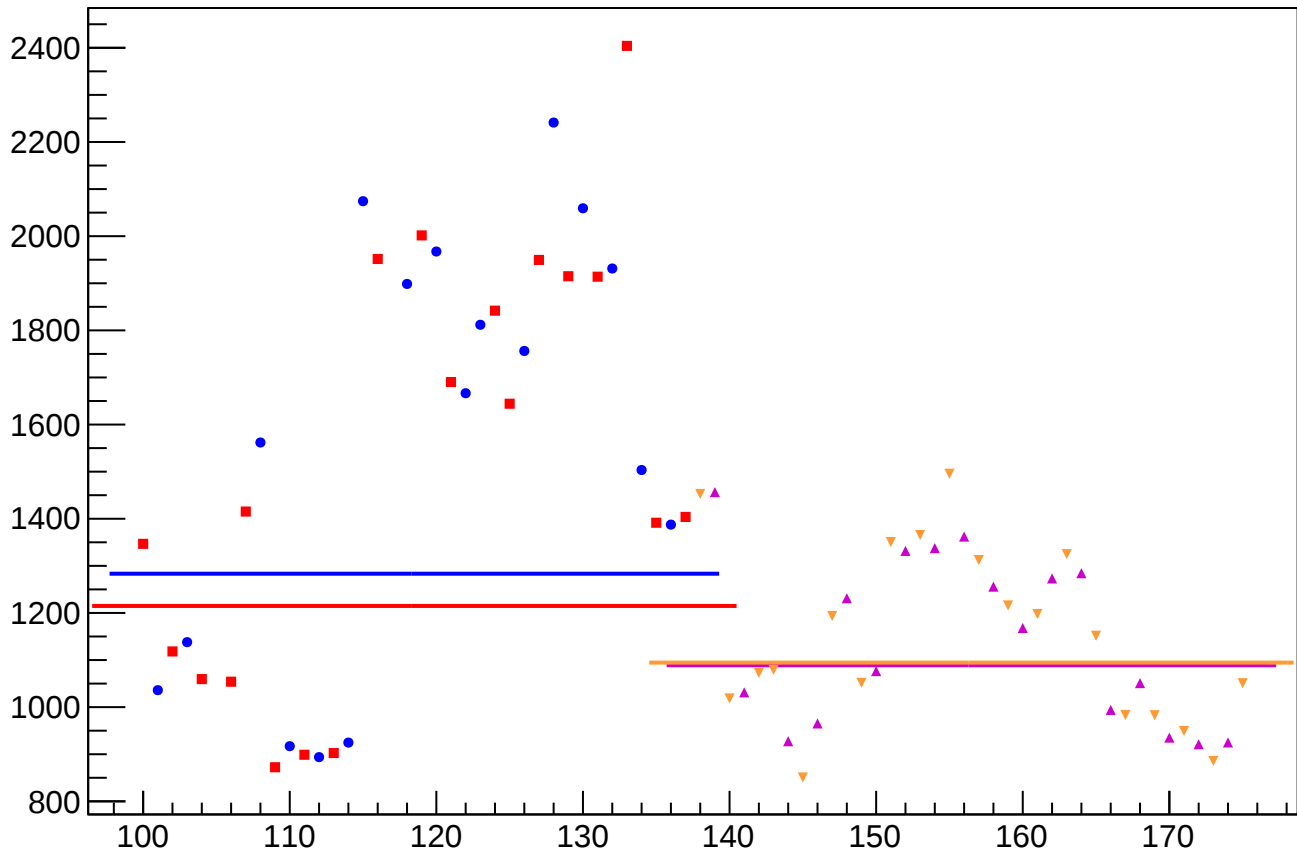
Left In: -272.276±/294.462 χ^2/NDF : 20.5/17

+ sign -1199.916±/251.157 χ^2/NDF : 81.5/36

All: -832.607±/177.587 χ^2/NDF : 118.1/73

- sign -465.365±/251.134 χ^2/NDF : 32.3/36

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1094.581+/-0.202 χ^2/NDF : 753448.7/19

Right Out: 1214.883+/-0.340 χ^2/NDF : 1360860.3/18

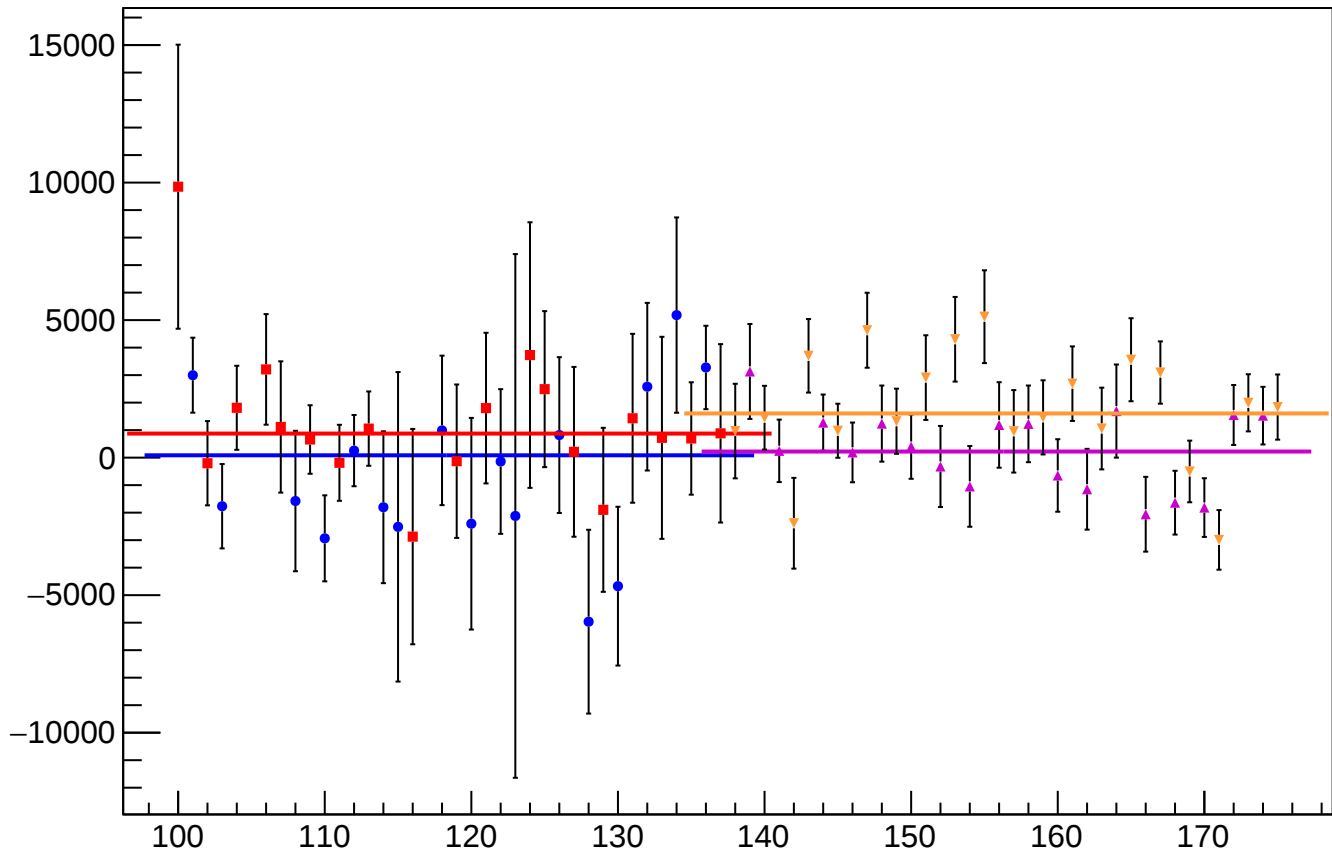
Left In: 1088.896+/-0.208 χ^2/NDF : 619912.4/17

+ sign 1137.995+/-0.178 χ^2/NDF : 2122912.9/36

All: 1130.619+/-0.126 χ^2/NDF : 4206951.9/73

- sign 1123.244+/-0.178 χ^2/NDF : 2080589.3/36

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 1606.291 ± 288.774 χ^2/NDF : 48.1/19

Right Out: 874.592 ± 484.647 χ^2/NDF : 8.7/18

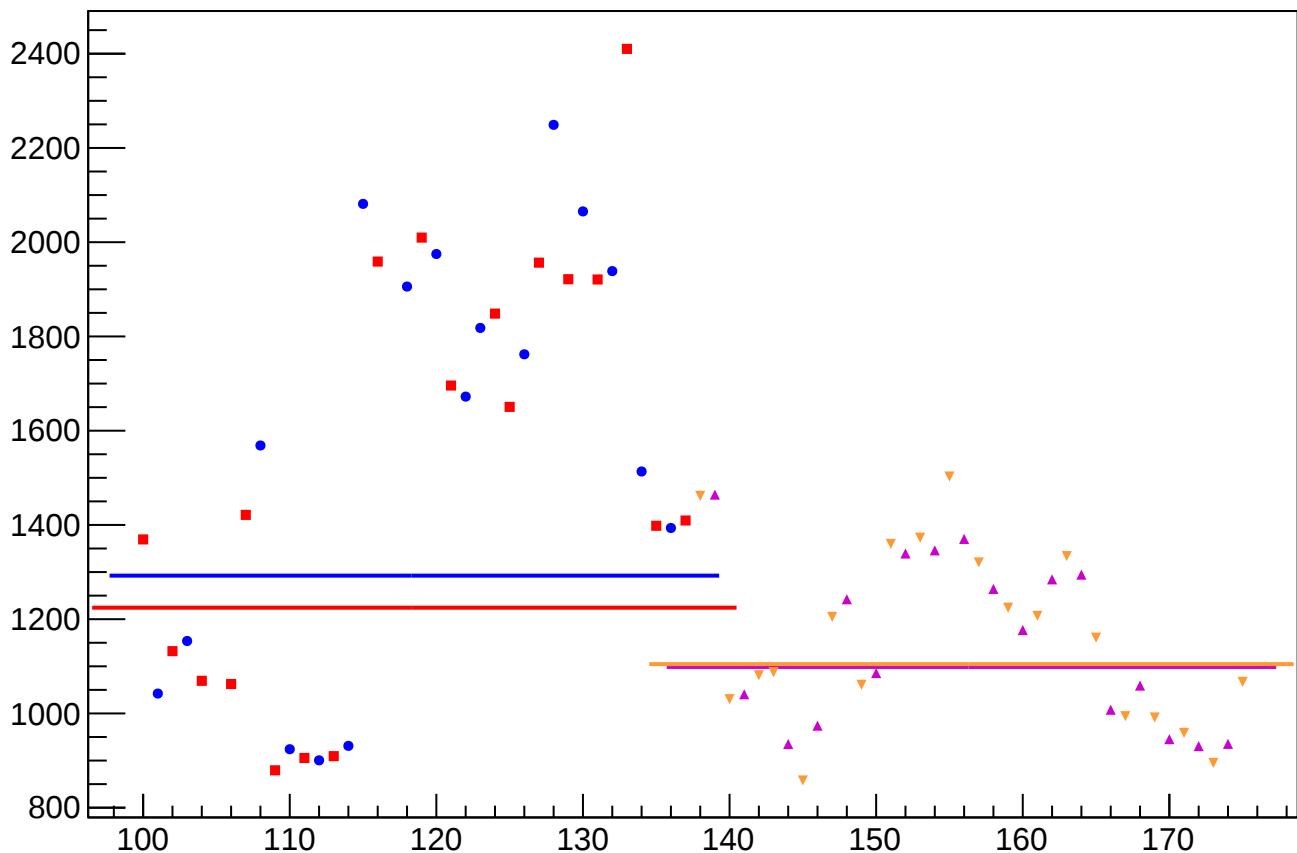
Left In: 221.800 ± 297.034 χ^2/NDF : 20.4/17

+ sign 1255.094 ± 253.255 χ^2/NDF : 79.2/36

All: 827.569 ± 179.078 χ^2/NDF : 115.3/73

- sign 400.051 ± 253.253 χ^2/NDF : 30.4/36

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1104.639+/-0.204 χ^2/NDF : 740319.0/19

Right Out: 1224.429+/-0.343 χ^2/NDF : 1345748.2/18

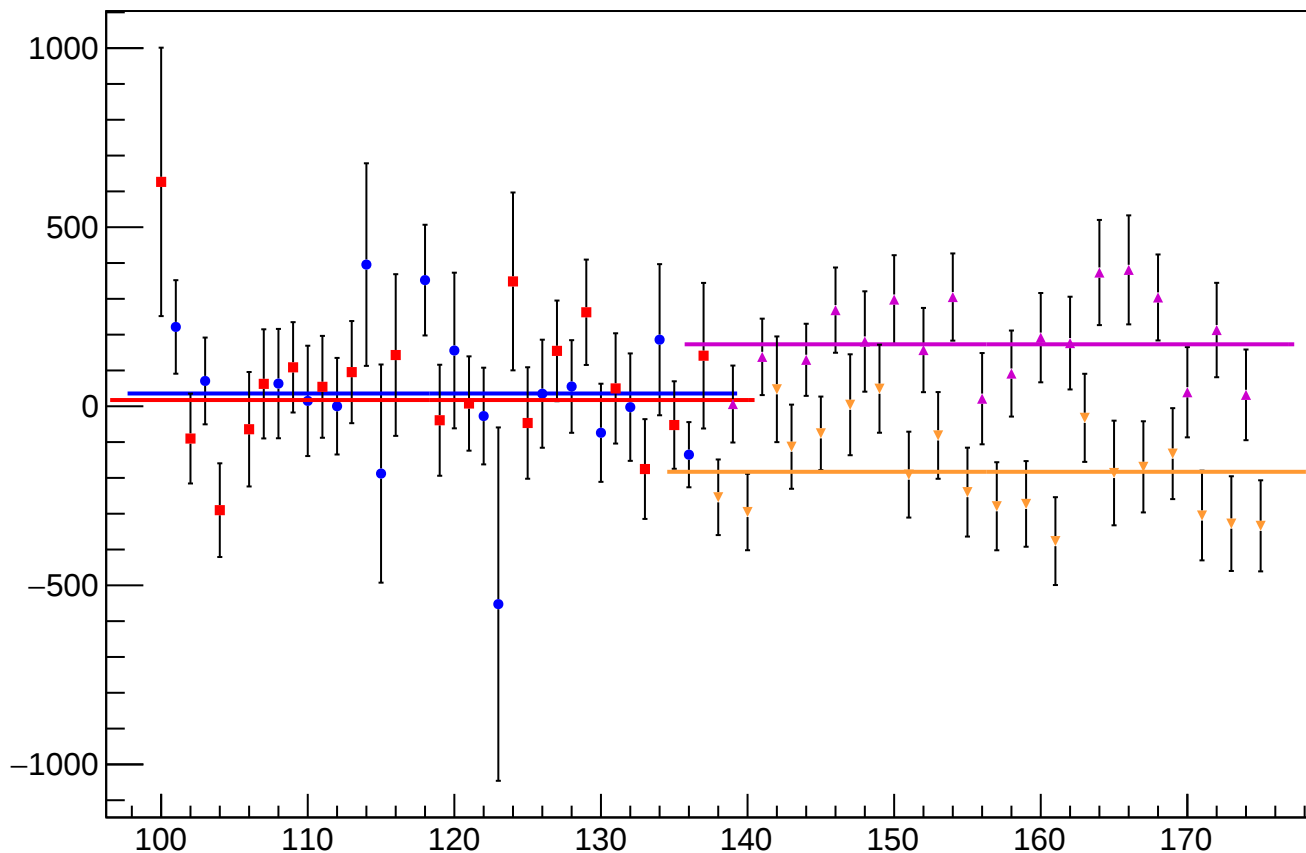
Left In: 1098.669+/-0.210 χ^2/NDF : 608487.6/17

+ sign 1147.993+/-0.179 χ^2/NDF : 2092150.1/36

All: 1140.501+/-0.127 χ^2/NDF : 4147783.1/73

- sign 1133.009+/-0.179 χ^2/NDF : 2052132.4/36

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 ± 36.350 χ^2/NDF : 15.3/16

Left Out: -182.967 ± 27.400 χ^2/NDF : 20.6/19

Right Out: 17.418 ± 34.691 χ^2/NDF : 18.9/18

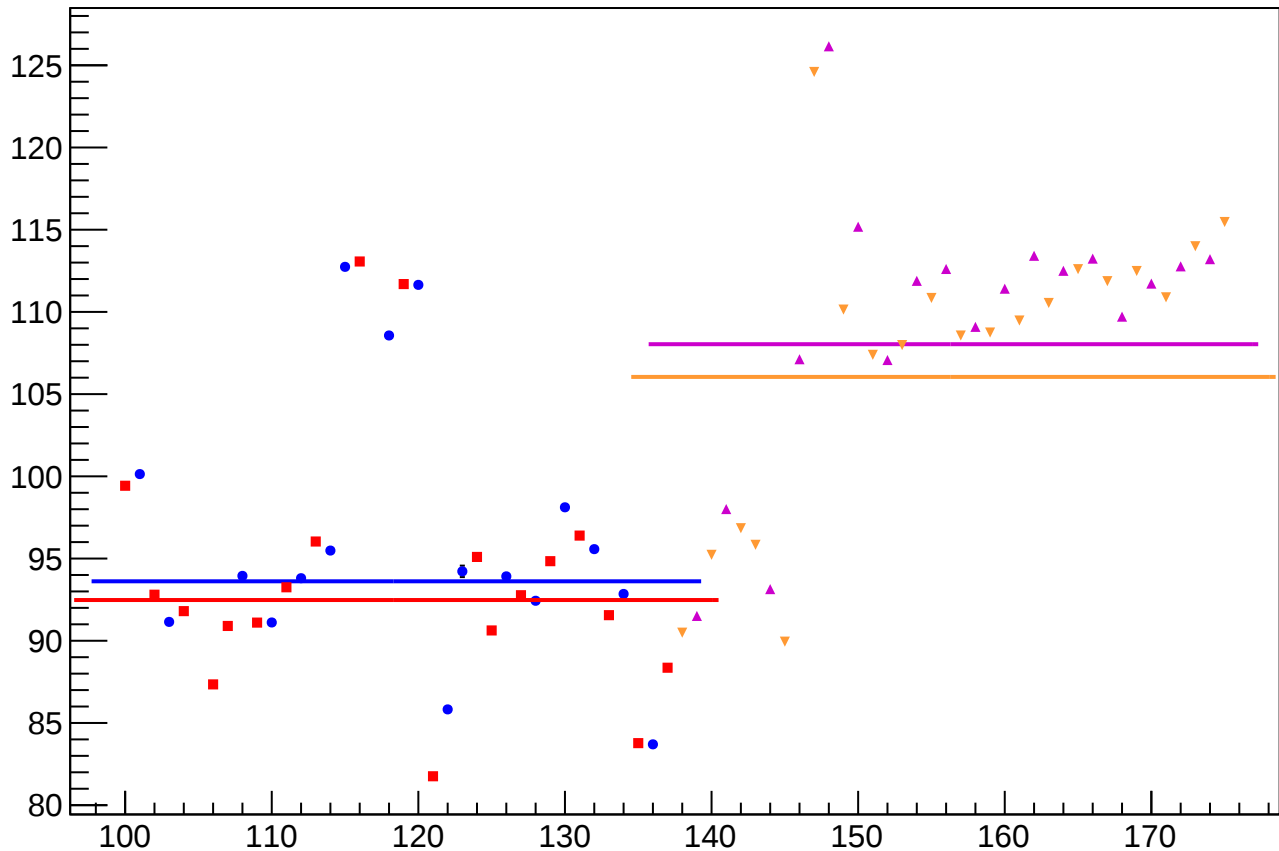
Left In: 173.033 ± 28.912 χ^2/NDF : 14.8/17

+ sign -103.746 ± 21.881 χ^2/NDF : 58.9/36

All: 1.161 ± 15.587 χ^2/NDF : 151.3/73

- sign 109.250 ± 22.210 χ^2/NDF : 45.6/36

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616 $\pm$ 0.026 χ^2 /NDF: 79928.5/16

Left Out: 106.047 $\pm$ 0.019 χ^2 /NDF: 217323.7/19

Right Out: 92.477 $\pm$ 0.025 χ^2 /NDF: 78591.0/18

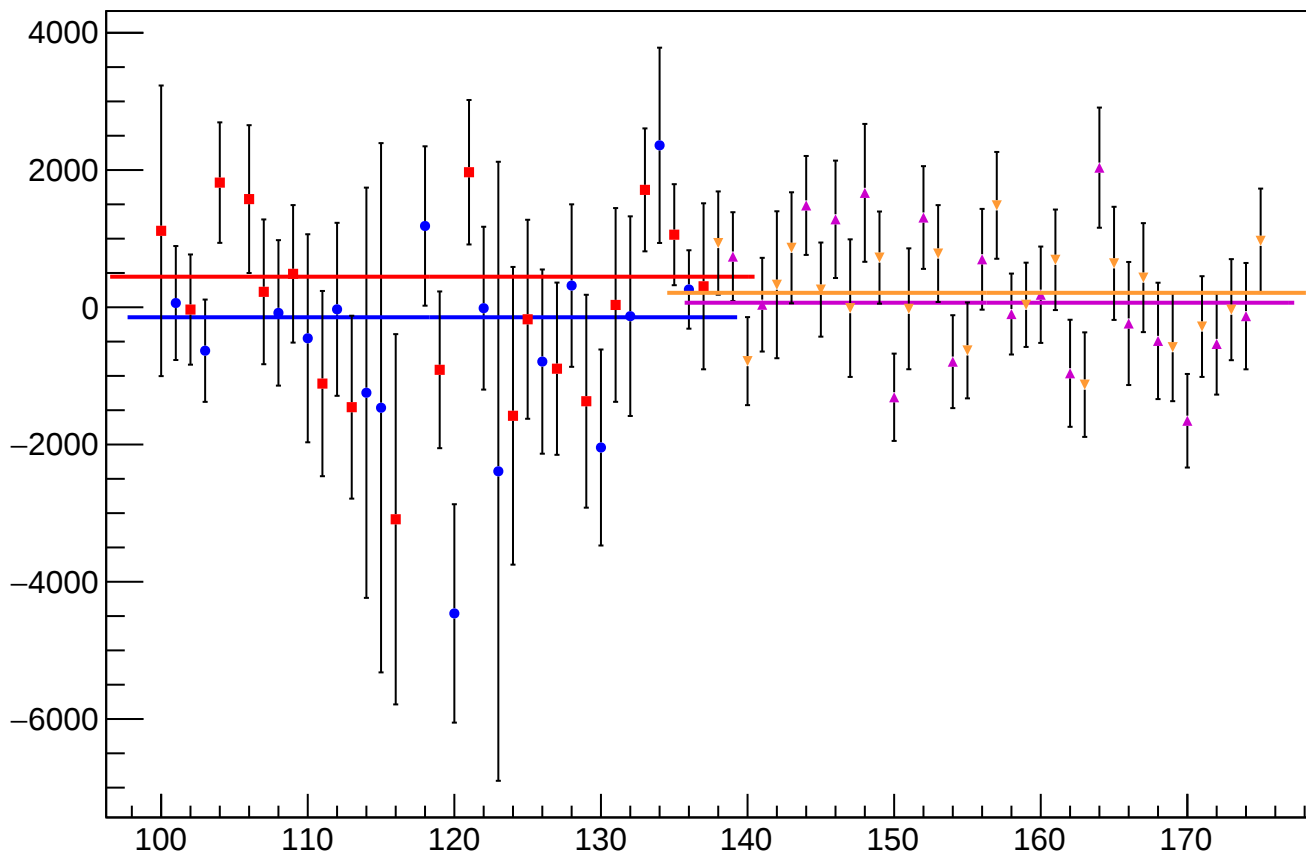
Left In: 108.036 $\pm$ 0.020 χ^2 /NDF: 170969.5/17

+ sign 101.543 $\pm$ 0.015 χ^2 /NDF: 446392.8/36

All: 101.600 $\pm$ 0.011 χ^2 /NDF: 933397.9/73

- sign 101.659 $\pm$ 0.016 χ^2 /NDF: 486977.3/36

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 210.581 ± 168.382 χ^2/NDF : 16.0/19

Right Out: 445.575 ± 260.276 χ^2/NDF : 19.0/18

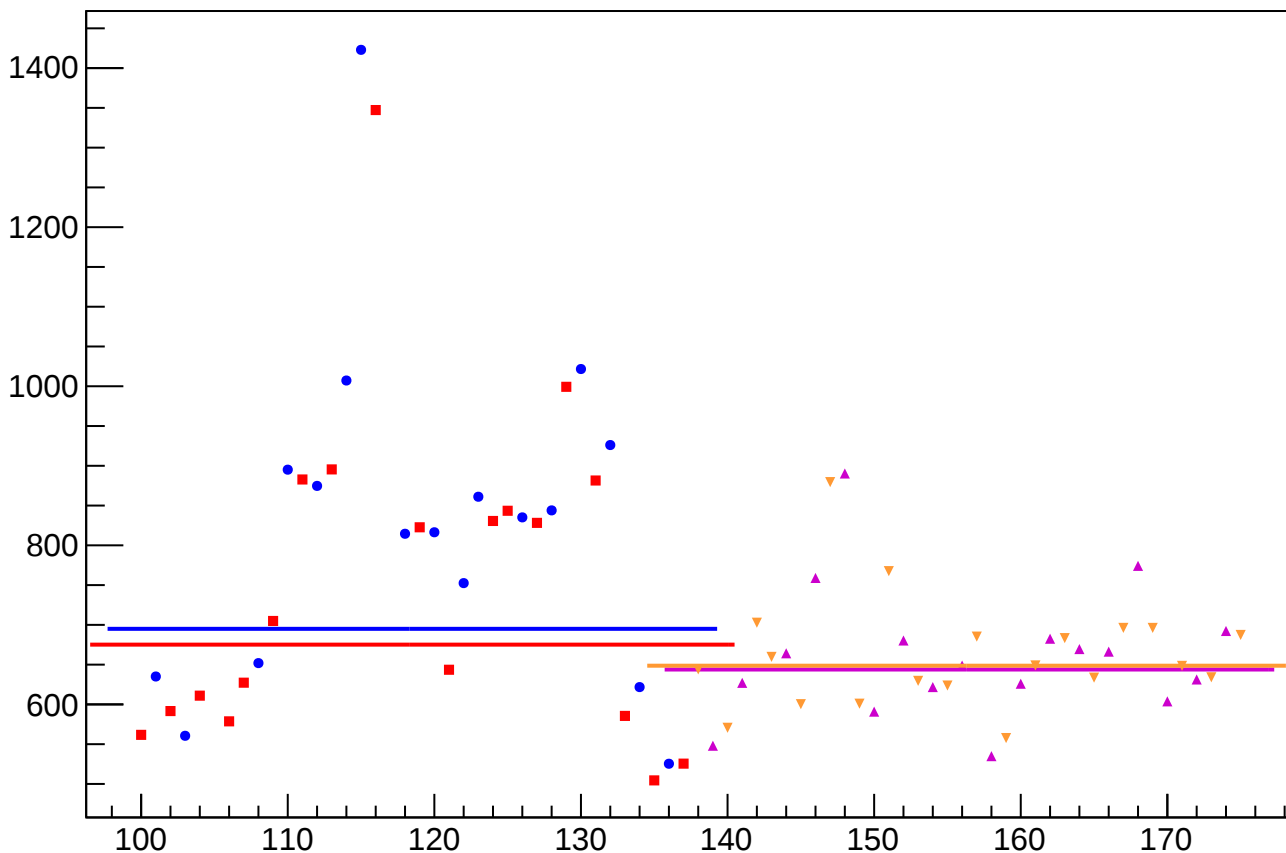
Left In: 66.237 ± 173.439 χ^2/NDF : 33.8/17

+ sign 114.327 ± 143.832 χ^2/NDF : 32.7/36

All: 148.487 ± 101.880 χ^2/NDF : 87.1/73

- sign 182.884 ± 144.330 χ^2/NDF : 54.3/36

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 ± 0.196 χ^2/NDF : 677713.0/16

Left Out: 648.664 ± 0.119 χ^2/NDF : 275184.7/19

Right Out: 675.151 ± 0.184 χ^2/NDF : 676394.1/18

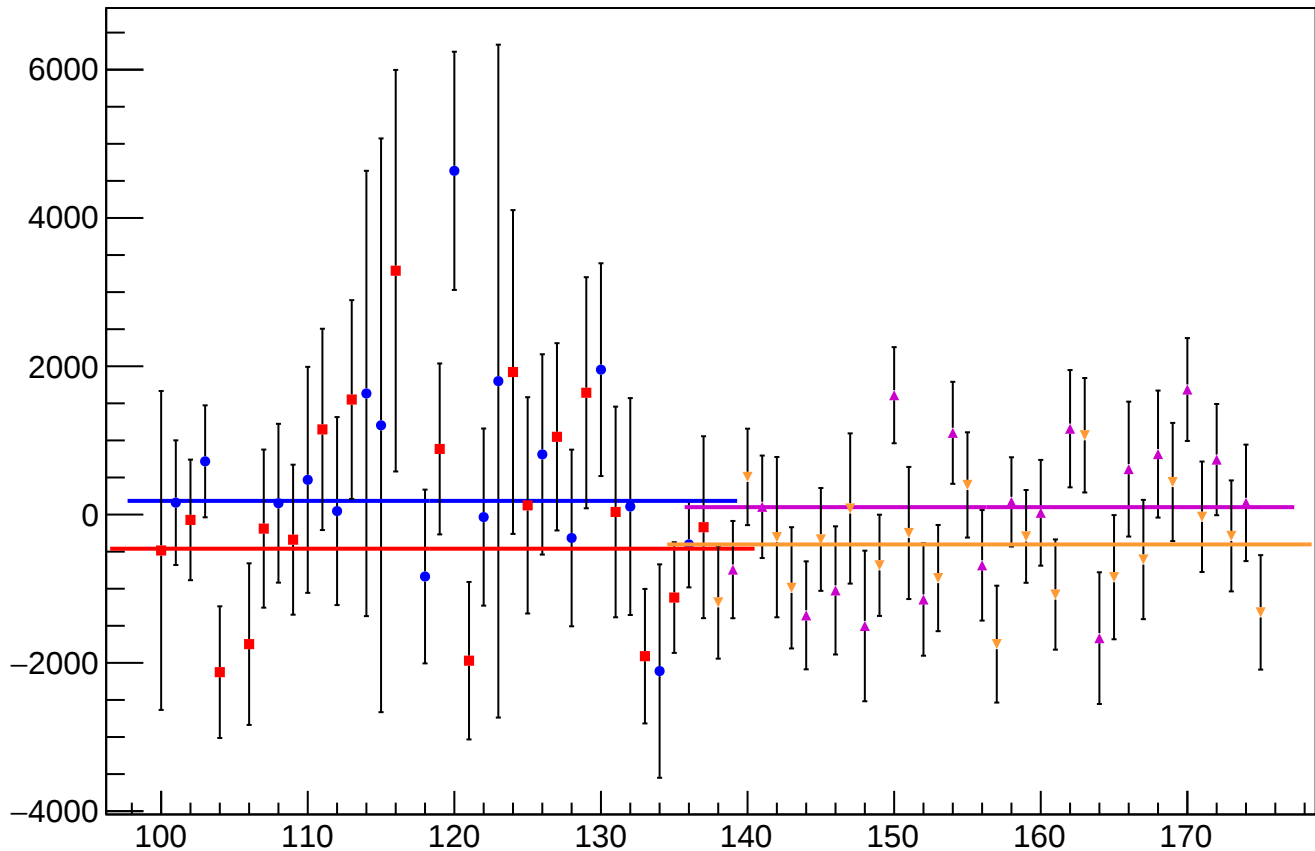
Left In: 643.859 ± 0.123 χ^2/NDF : 364081.4/17

+ sign 661.195 ± 0.102 χ^2/NDF : 993865.5/36

All: 657.351 ± 0.072 χ^2/NDF : 2057225.4/73

- sign 653.482 ± 0.102 χ^2/NDF : 1060494.1/36

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -402.710 ± 170.733 χ^2/NDF : 16.2/19

Right Out: -460.174 ± 262.960 χ^2/NDF : 22.3/18

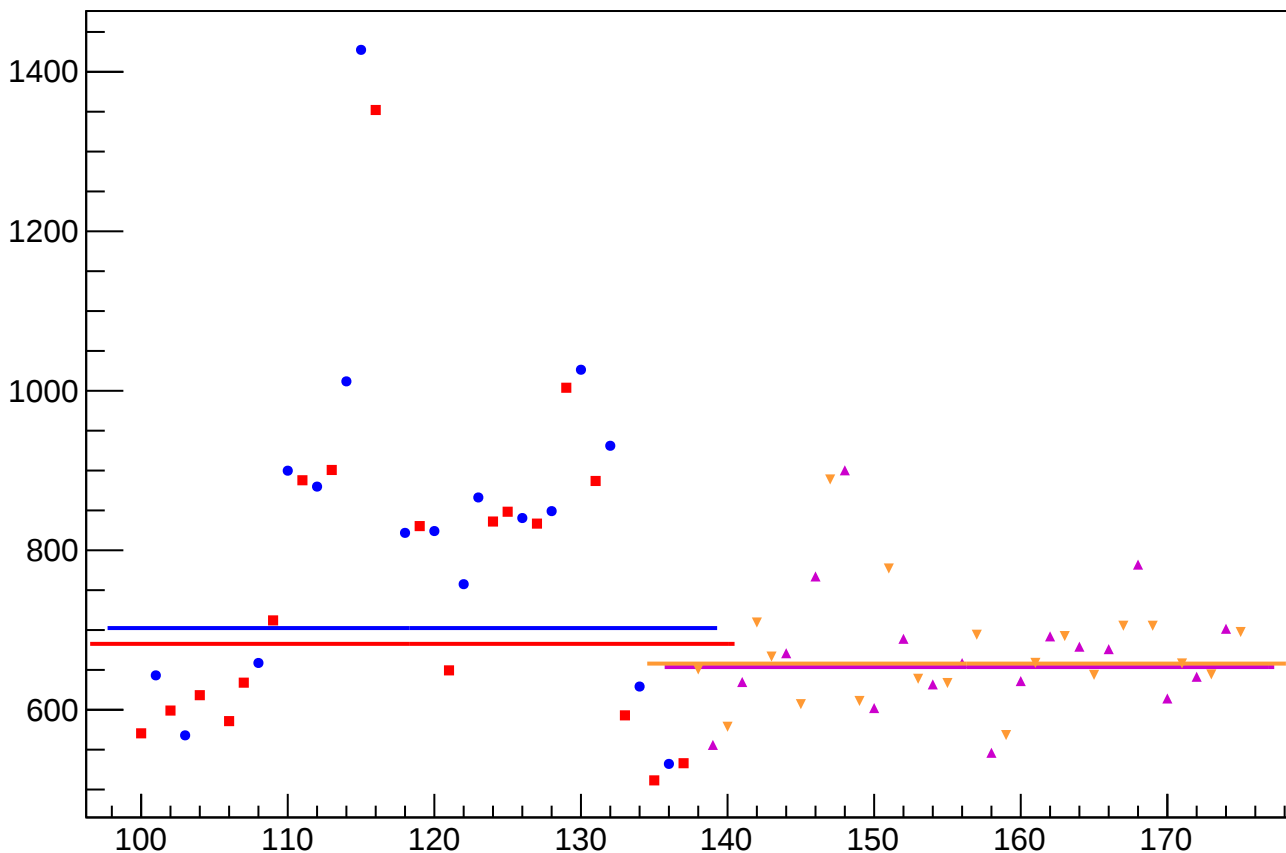
Left In: 100.012 ± 175.991 χ^2/NDF : 34.0/17

+ sign -243.045 ± 145.684 χ^2/NDF : 34.4/36

All: -158.498 ± 103.216 χ^2/NDF : 94.4/73

- sign -73.284 ± 146.257 χ^2/NDF : 59.4/36

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 657.918+/-0.121 χ^2/NDF : 268145.6/19

Right Out: 682.662+/-0.186 χ^2/NDF : 659521.7/18

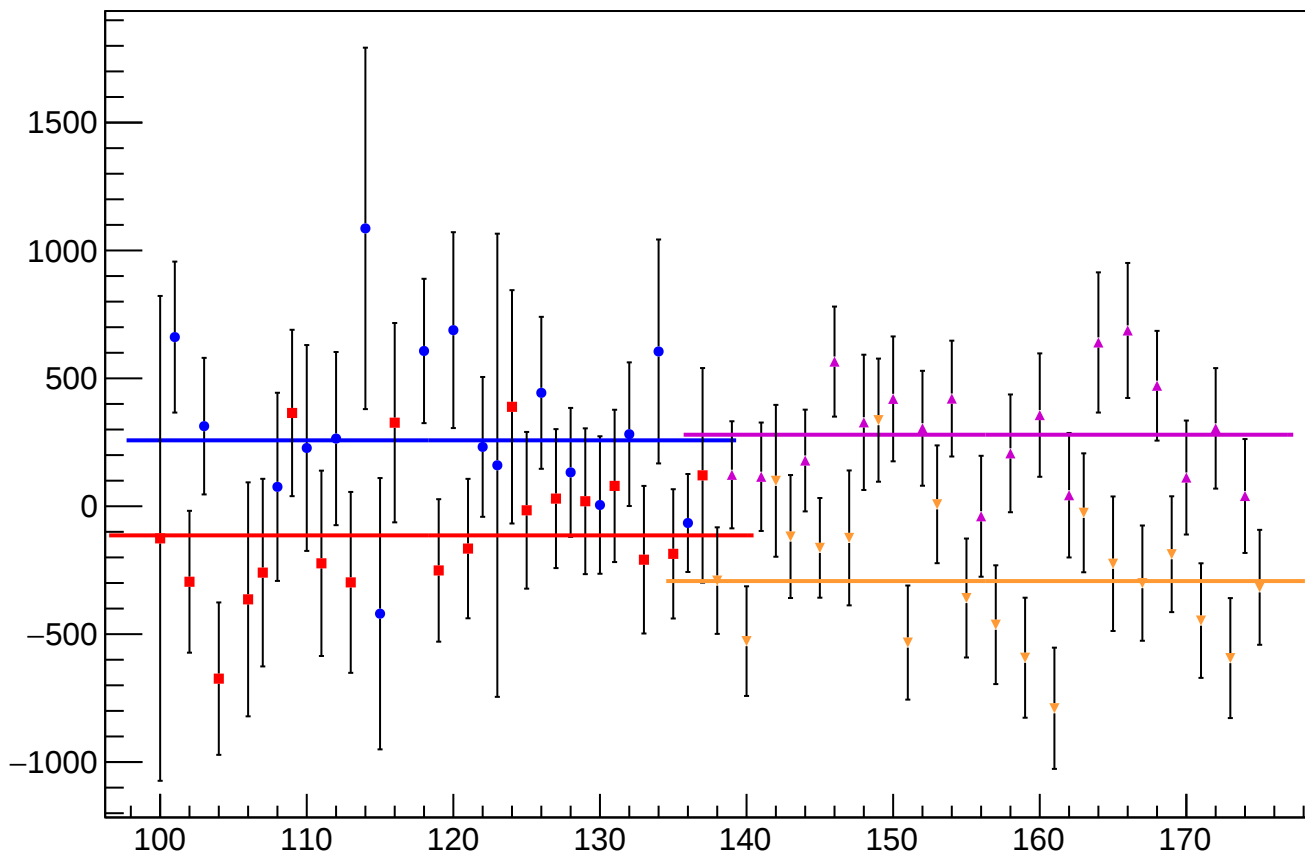
Left In: 653.576+/-0.124 χ^2/NDF : 350637.9/17

+ sign 670.031+/-0.103 χ^2/NDF : 965697.4/36

All: 666.317+/-0.073 χ^2/NDF : 1995366.9/73

- sign 662.573+/-0.103 χ^2/NDF : 1027059.1/36

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -292.445 ± 51.742 $\chi^2/\text{NDF}: 24.4/19$

Right Out: -113.851 ± 74.211 $\chi^2/\text{NDF}: 11.2/18$

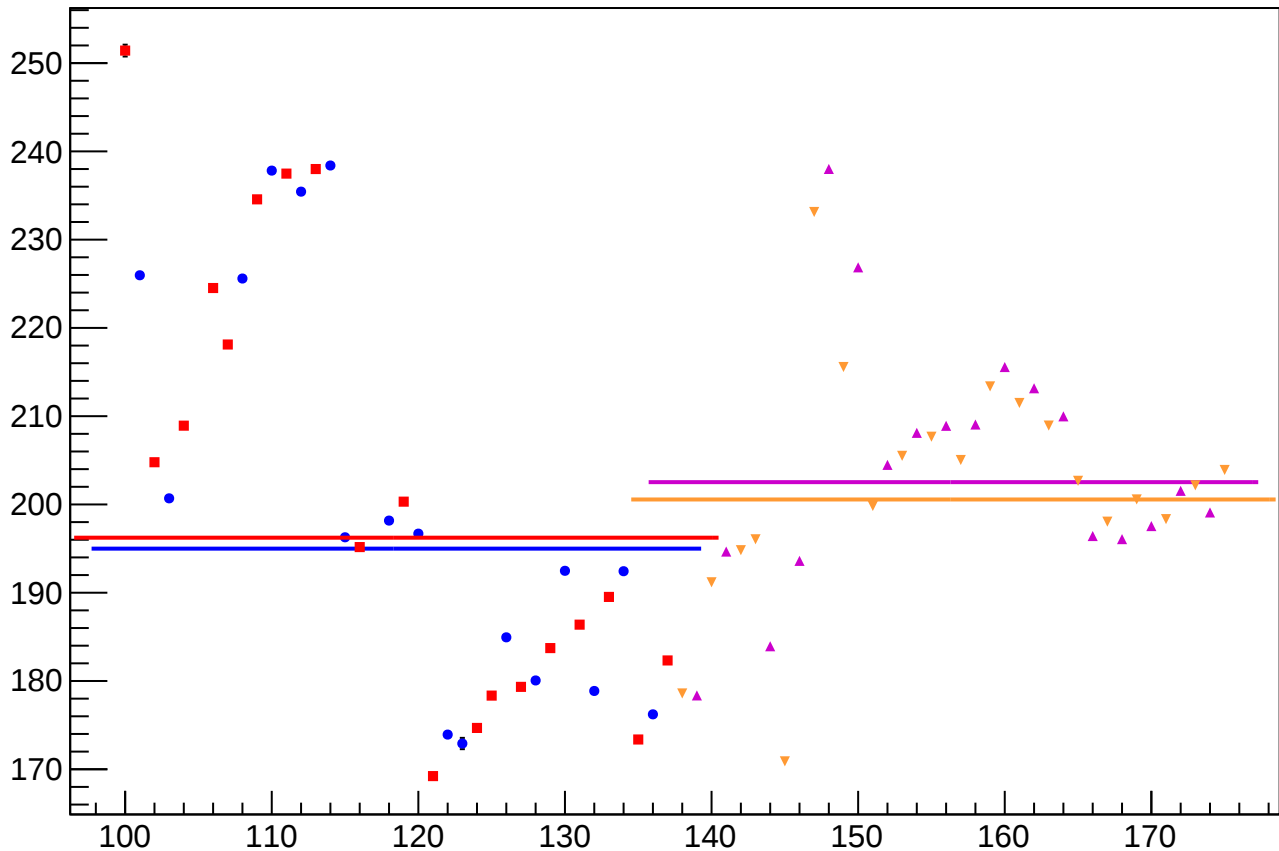
Left In: 279.653 ± 54.156 $\chi^2/\text{NDF}: 13.6/17$

+ sign -117.985 ± 42.758 $\chi^2/\text{NDF}: 73.3/36$

All: 9.485 ± 30.578 $\chi^2/\text{NDF}: 134.6/73$

- sign 142.913 ± 43.746 $\chi^2/\text{NDF}: 43.1/36$

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 200.563 $\pm$ 0.037 χ^2 /NDF:129670.3/19

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

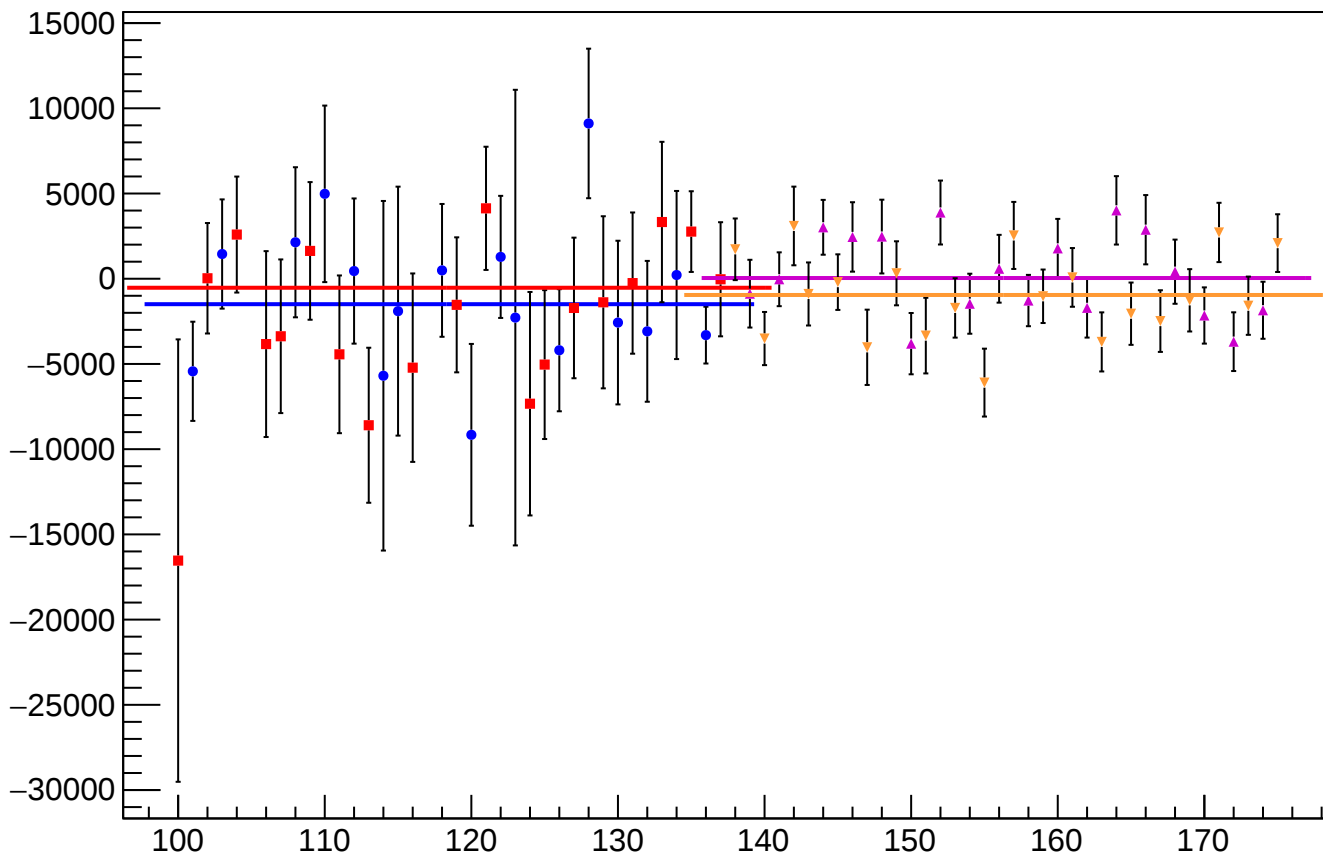
Left In: 202.527 $\pm$ 0.038 χ^2 /NDF:126175.6/17

+ sign 198.797 $\pm$ 0.030 χ^2 /NDF: 281288.5/36

All: 199.551 $\pm$ 0.022 χ^2 /NDF: 591609.9/73

- sign 200.341 $\pm$ 0.031 χ^2 /NDF: 309048.7/36

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -953.158 ± 404.699 χ^2/NDF : 33.5/19

Right Out: -528.758 ± 934.718 χ^2/NDF : 14.6/18

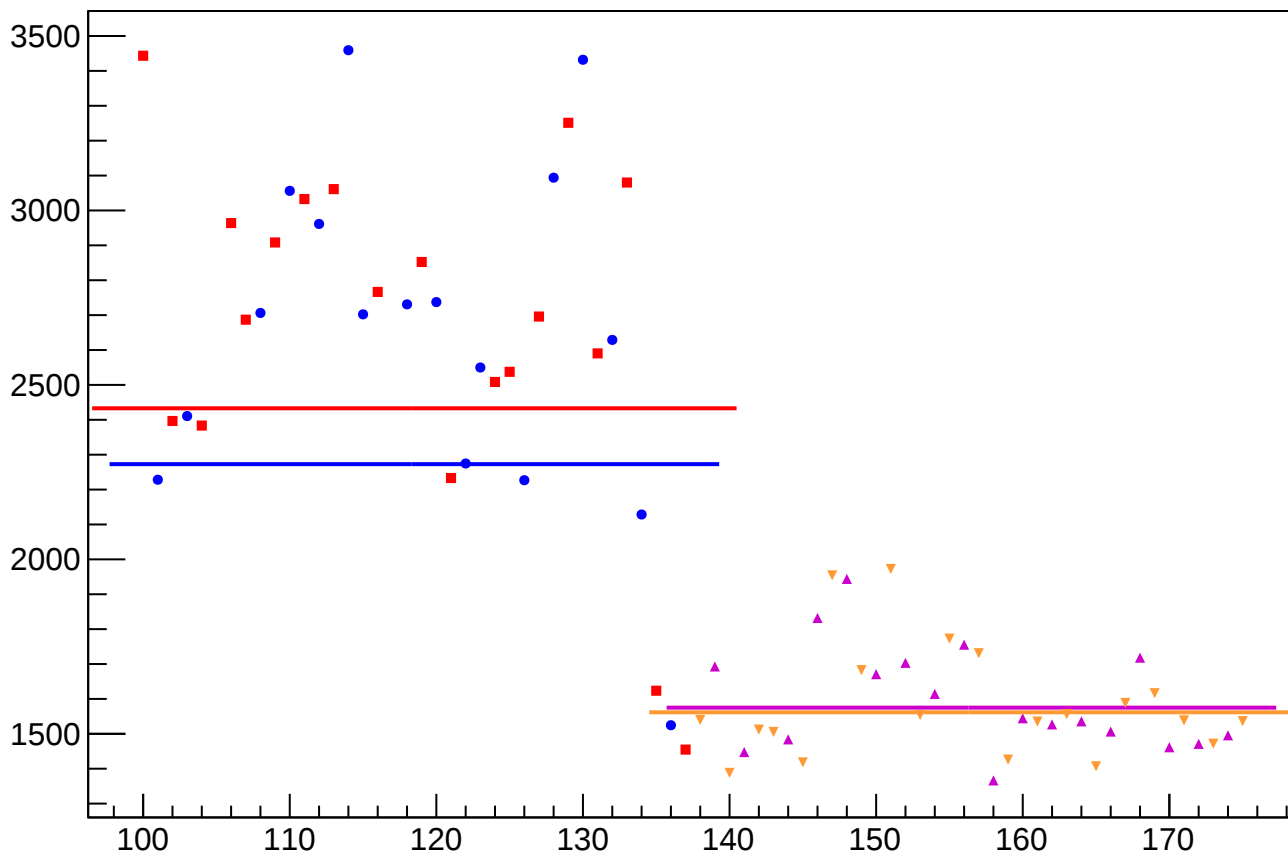
Left In: 41.903 ± 422.510 χ^2/NDF : 32.3/17

+ sign -1042.208 ± 369.836 χ^2/NDF : 50.0/36

All: -568.392 ± 266.715 χ^2/NDF : 100.7/73

- sign -54.914 ± 385.004 χ^2/NDF : 47.3/36

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883 $\pm$ 0.644 χ^2/NDF : 805650.3/16

Left Out: 1561.634 $\pm$ 0.286 χ^2/NDF : 258958.8/19

Right Out: 2432.950 $\pm$ 0.661 χ^2/NDF : 680783.9/18

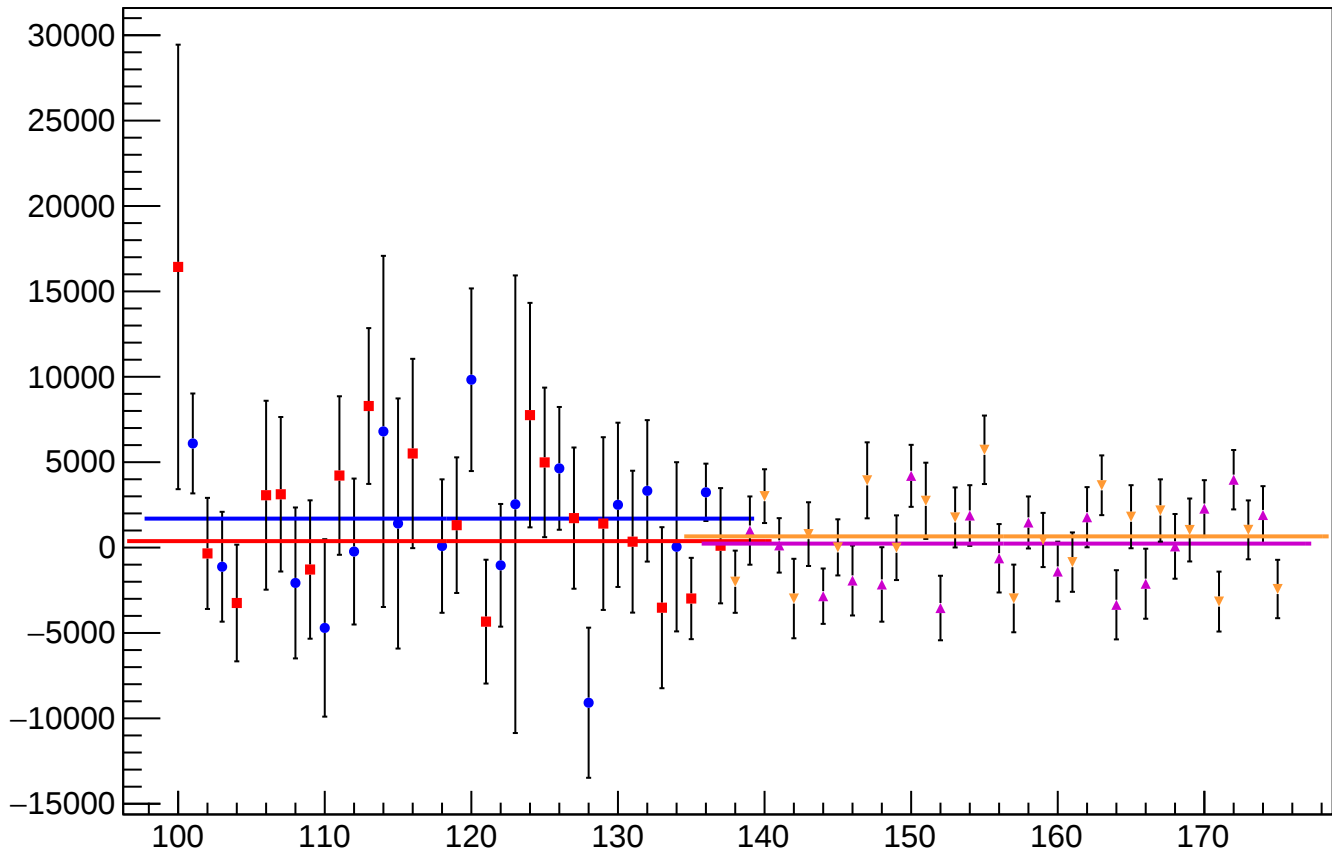
Left In: 1575.010 $\pm$ 0.299 χ^2/NDF : 225383.1/17

+ sign 1678.898 $\pm$ 0.262 χ^2/NDF : 2083081.6/36

All: 1698.895 $\pm$ 0.189 χ^2/NDF : 4400504.8/73

- sign 1720.565 $\pm$ 0.272 χ^2/NDF : 2305239.9/36

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 655.638 $\pm$ 408.149 χ^2 /NDF:33.1/19

Right Out: 377.629 $\pm$ 938.528 χ^2 /NDF: 15.0/18

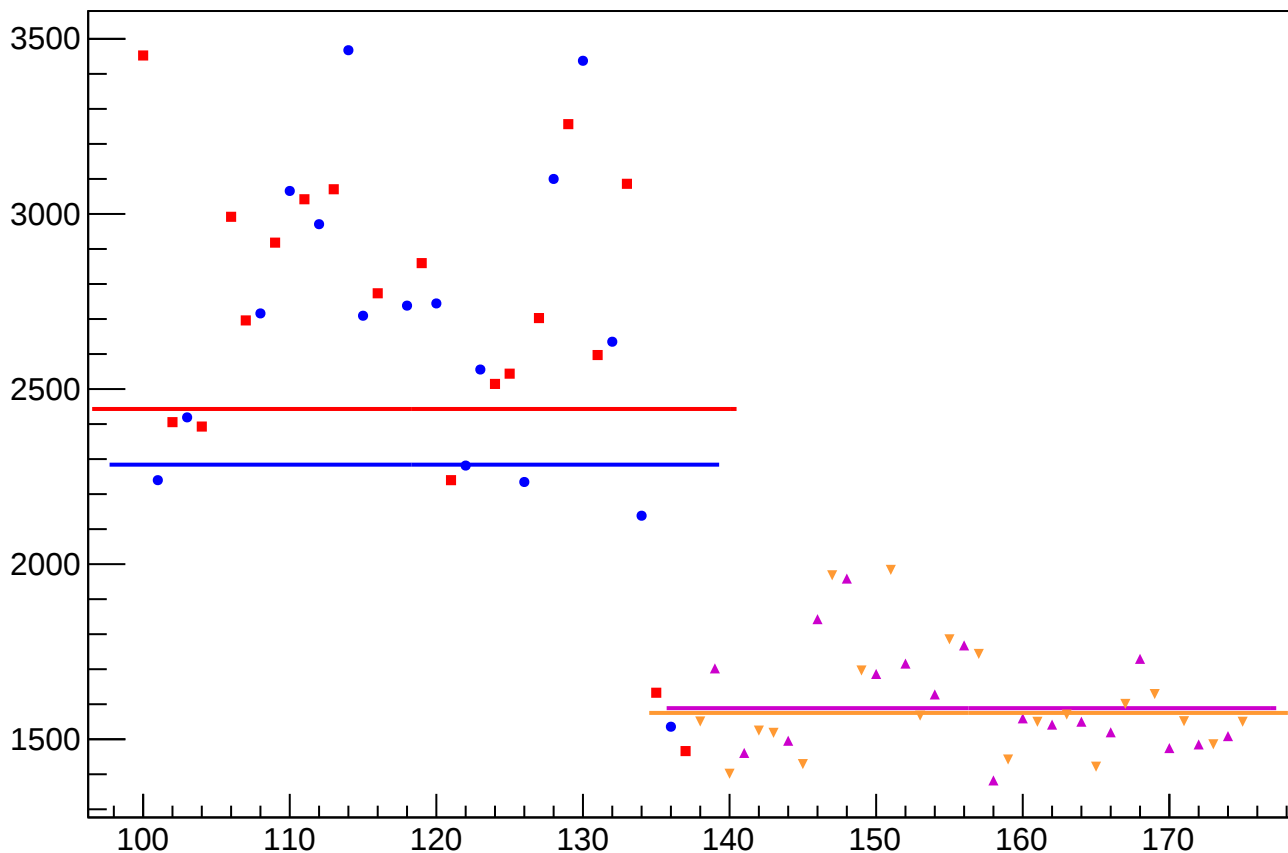
Left In: 232.600 $\pm$ 426.143 χ^2 /NDF:29.8/17

+ sign 828.328 $\pm$ 372.737 χ^2 /NDF: 50.8/36

All: 554.322 $\pm$ 268.805 χ^2 /NDF: 96.7/73

- sign 257.389 $\pm$ 388.018 χ^2 /NDF: 44.7/36

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1575.189+/-0.289 χ^2/NDF : 253992.5/19

Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

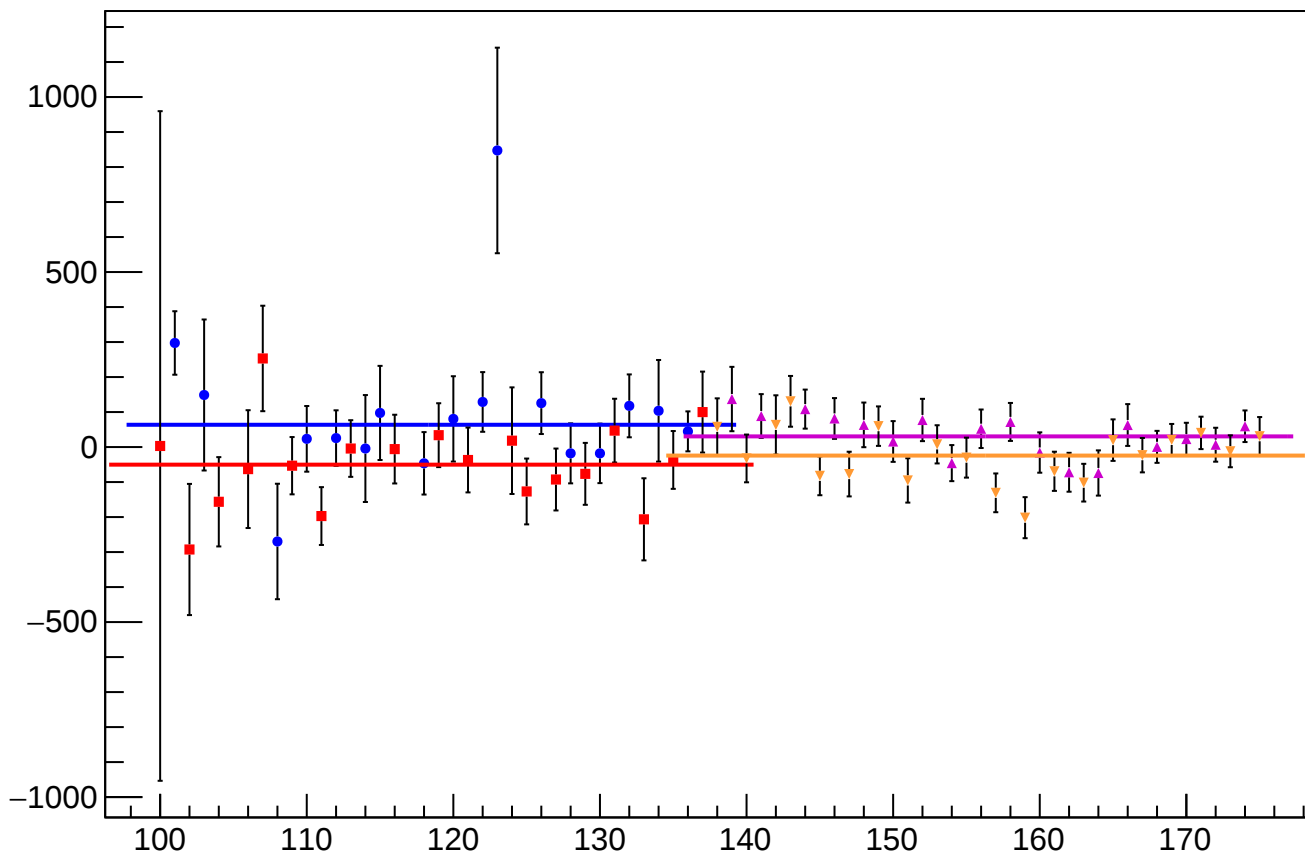
Left In: 1588.800+/-0.301 χ^2/NDF : 219840.4/17

+ sign 1692.867+/-0.264 χ^2/NDF : 2049553.5/36

All: 1713.004+/-0.190 χ^2/NDF : 4328414.2/73

- sign 1734.827+/-0.274 χ^2/NDF : 2266696.8/36

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -24.340 ± 12.685 χ^2/NDF : 32.4/19

Right Out: -50.278 ± 23.661 χ^2/NDF : 16.8/18

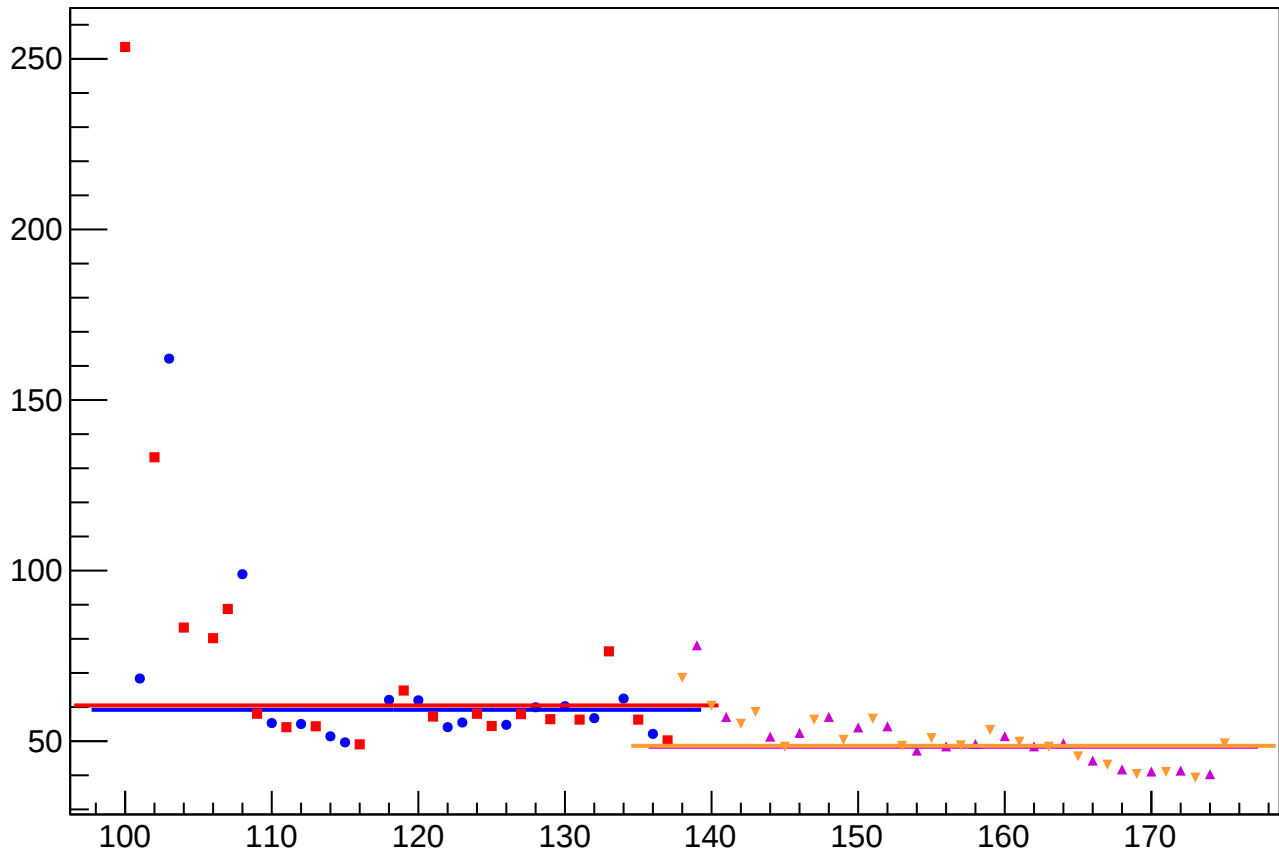
Left In: 30.472 ± 13.067 χ^2/NDF : 16.9/17

+ sign -4.797 ± 11.188 χ^2/NDF : 66.8/36

All: 3.220 ± 7.998 χ^2/NDF : 110.4/73

- sign 11.600 ± 11.439 χ^2/NDF : 42.6/36

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2/NDF : 665472.4/16

Left Out: 48.643 $\pm$ 0.009 χ^2/NDF : 542318.1/19

Right Out: 60.483 $\pm$ 0.017 χ^2/NDF : 680059.5/18

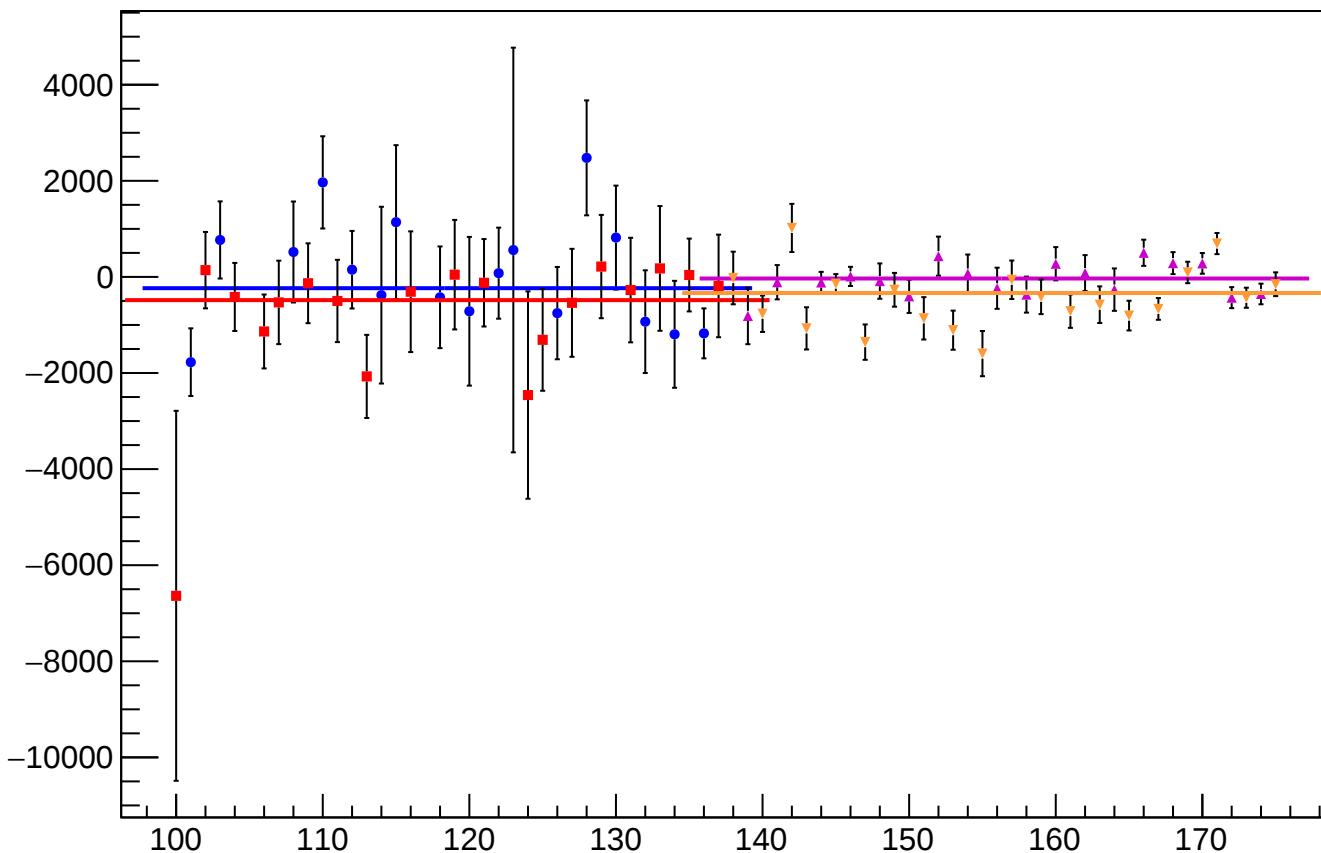
Left In: 48.354 $\pm$ 0.009 χ^2/NDF : 552822.2/17

+ sign 50.987 $\pm$ 0.008 χ^2/NDF : 1515425.6/36

All: 51.086 $\pm$ 0.006 χ^2/NDF : 3151330.8/73

- sign 51.189 $\pm$ 0.008 χ^2/NDF : 1635587.7/36

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -334.853 ± 68.176 χ^2/NDF : 65.5/19

Right Out: -483.305 ± 222.314 χ^2/NDF : 10.6/18

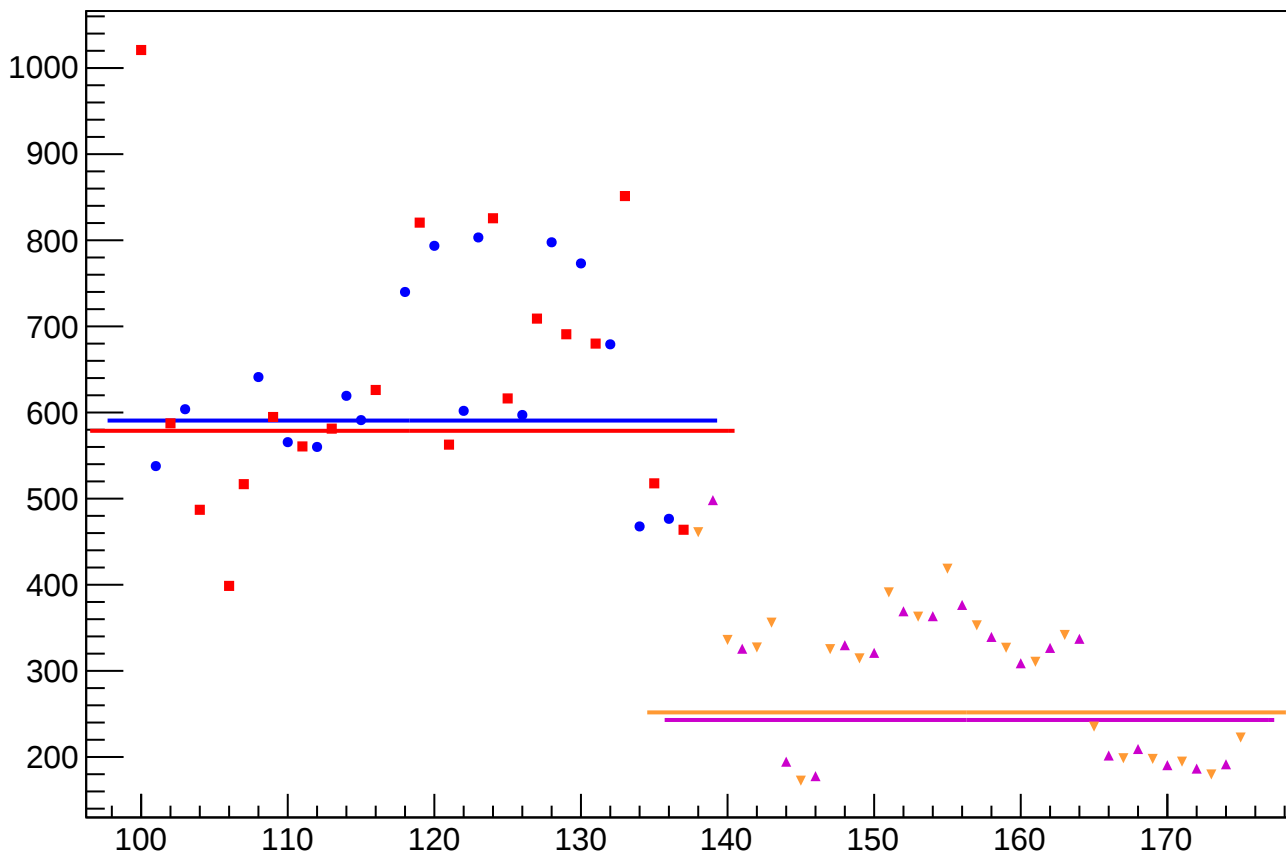
Left In: -33.104 ± 68.270 χ^2/NDF : 20.2/17

+ sign -326.993 ± 65.452 χ^2/NDF : 89.9/36

All: -199.075 ± 46.214 χ^2/NDF : 132.1/73

- sign -71.901 ± 65.262 χ^2/NDF : 34.5/36

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 251.774 $\pm$ 0.048 χ^2 /NDF: 2629698.3/19

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

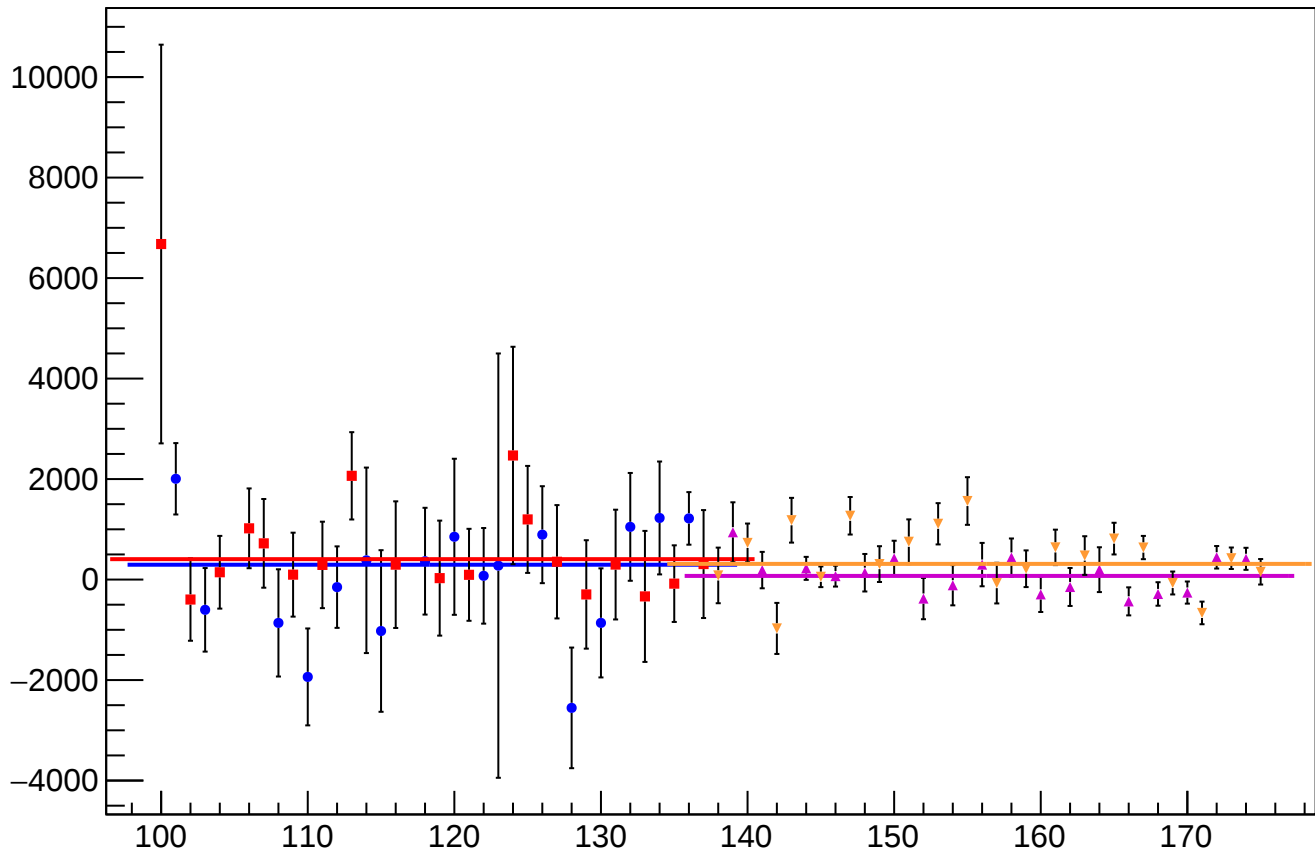
Left In: 242.977 $\pm$ 0.048 χ^2 /NDF: 2432009.7/17

+ sign 278.315 $\pm$ 0.046 χ^2 /NDF: 6851950.1/36

All: 275.105 $\pm$ 0.033 χ^2 /NDF: 13956764.4/73

- sign 271.913 $\pm$ 0.046 χ^2 /NDF: 7095219.9/36

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 311.924 $\pm$ 69.591 χ^2 /NDF:60.2/19

Right Out: 406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

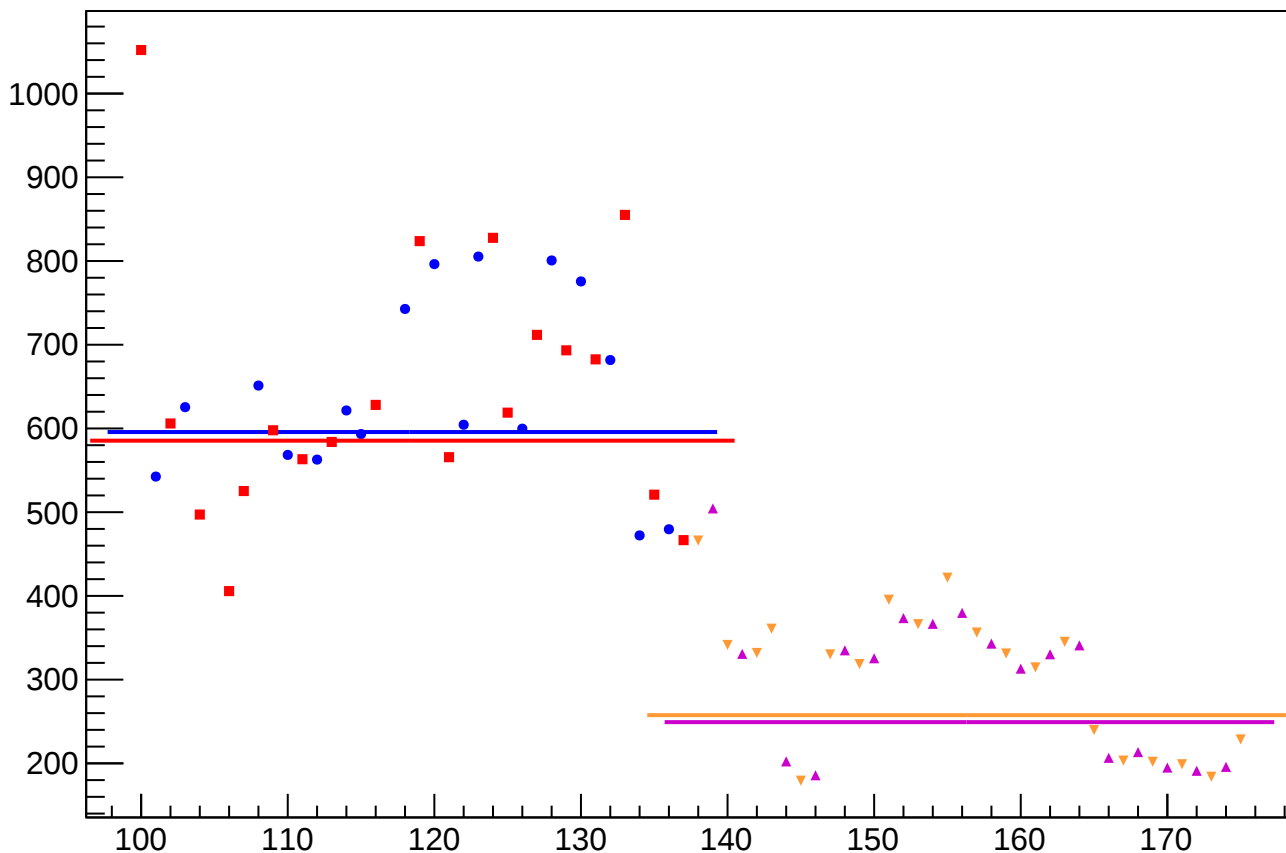
Left In: 72.635 $\pm$ 69.832 χ^2 /NDF:20.9/17

+ sign 310.600 $\pm$ 66.747 χ^2 /NDF: 86.3/36

All: 206.199 $\pm$ 47.177 χ^2 /NDF: 125.0/73

- sign 101.974 $\pm$ 66.690 χ^2 /NDF: 33.9/36

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 257.573 $\pm$ 0.049 χ^2 /NDF:2514565.8/19

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

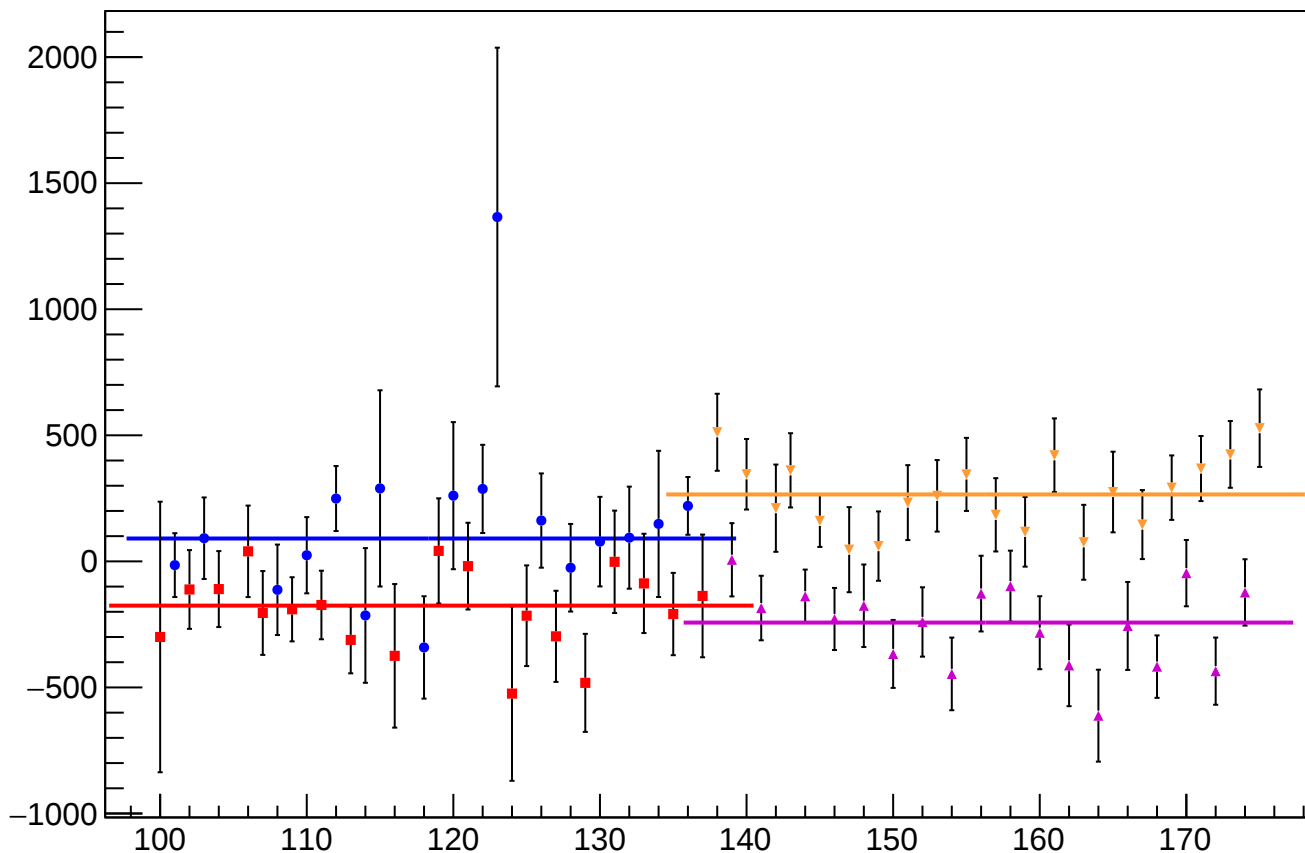
Left In: 249.215 $\pm$ 0.049 χ^2 /NDF:2309778.6/17

+ sign 284.655 $\pm$ 0.047 χ^2 /NDF: 6646556.3/36

All: 281.720 $\pm$ 0.033 χ^2 /NDF: 13516551.8/73

- sign 278.790 $\pm$ 0.047 χ^2 /NDF: 6862268.4/36

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 χ^2/NDF : 16.9/16

Left Out: 265.498 ± 31.585 χ^2/NDF : 18.8/19

Right Out: -175.485 ± 41.101 χ^2/NDF : 10.3/18

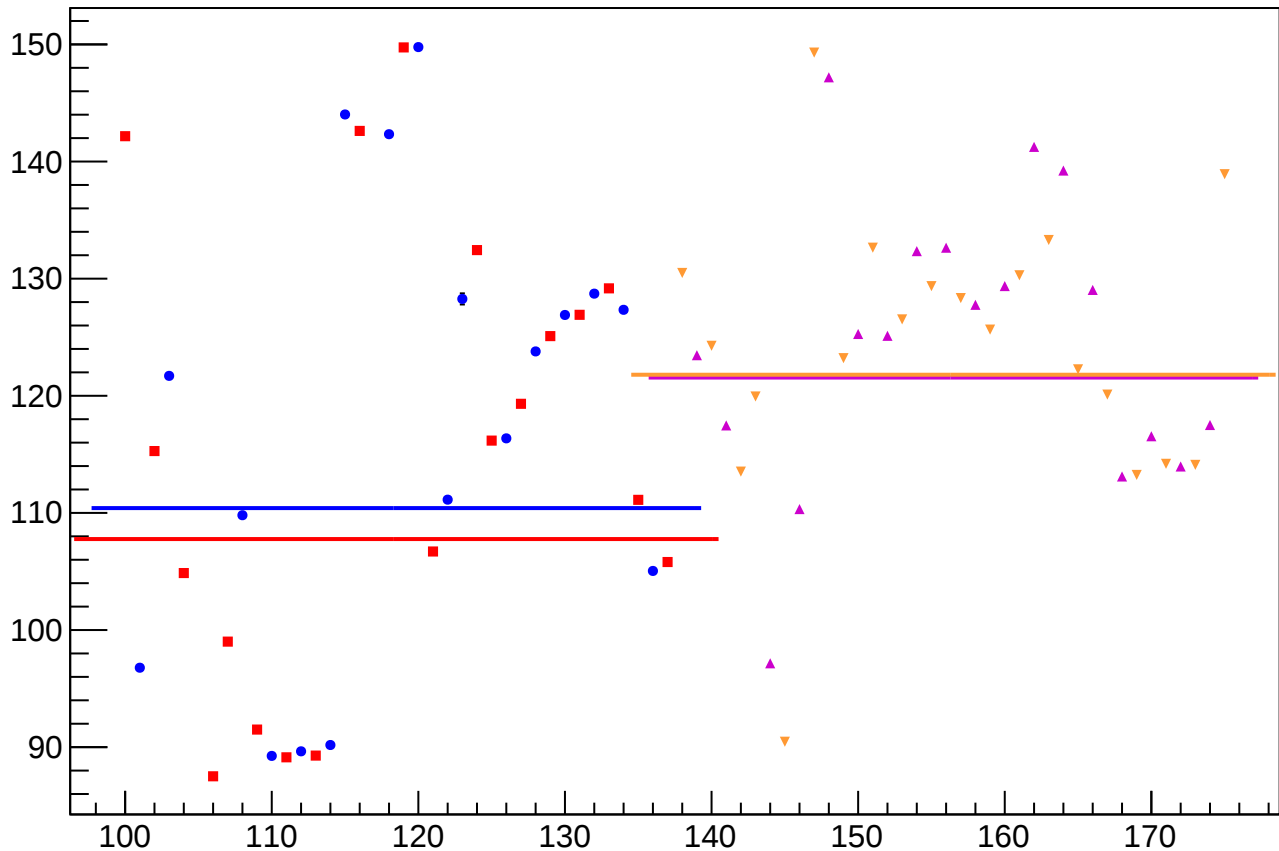
Left In: -242.776 ± 32.651 χ^2/NDF : 21.2/17

+ sign 204.818 ± 25.520 χ^2/NDF : 46.3/36

All: -5.582 ± 18.062 χ^2/NDF : 215.6/73

- sign -216.740 ± 25.566 χ^2/NDF : 33.2/36

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 121.798 $\pm$ 0.022 χ^2 /NDF:339282.2/19

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

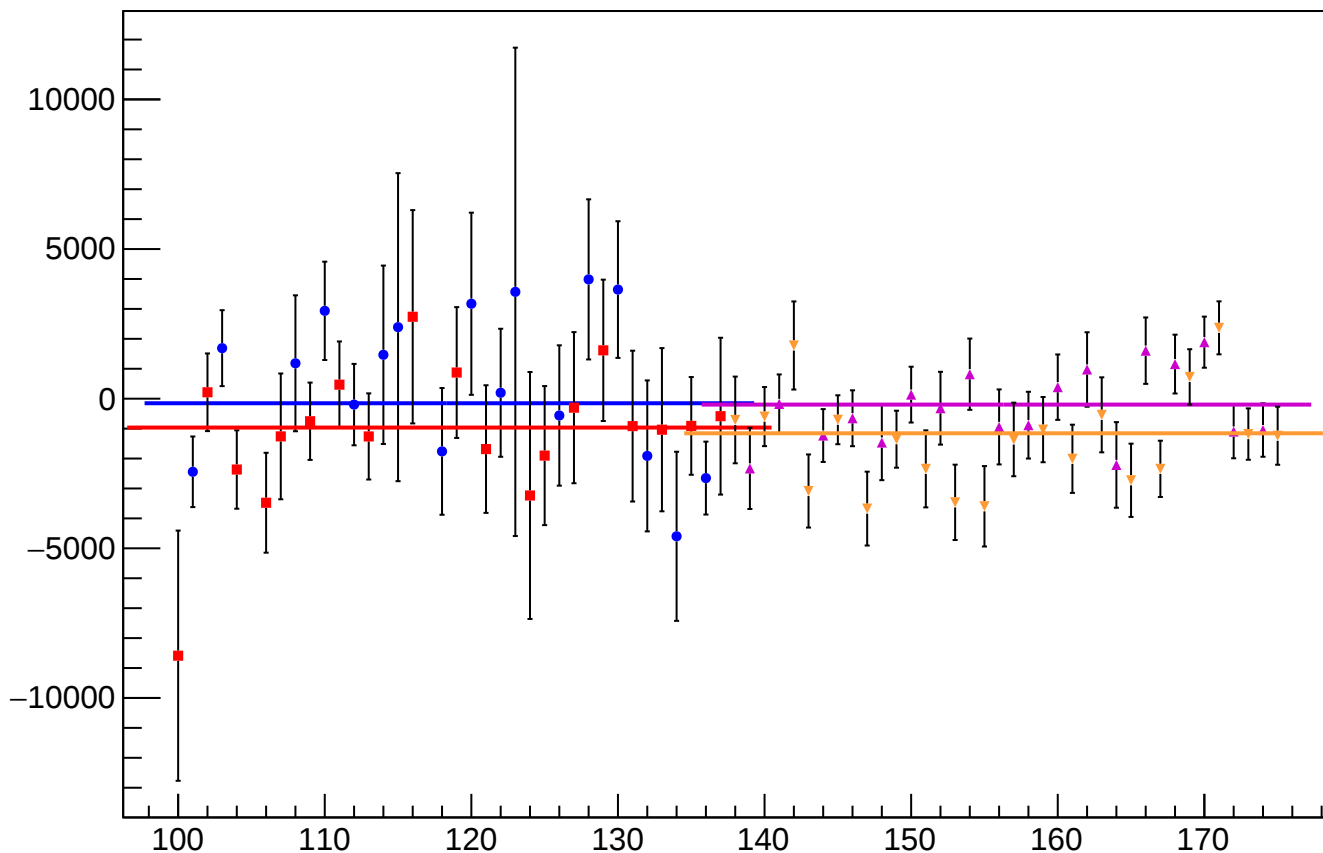
Left In: 121.556 $\pm$ 0.023 χ^2 /NDF:281692.6/17

+ sign 117.845 $\pm$ 0.018 χ^2 /NDF: 725946.8/36

All: 117.034 $\pm$ 0.013 χ^2 /NDF: 1494115.1/73

- sign 116.221 $\pm$ 0.018 χ^2 /NDF: 764126.6/36

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1156.041 ± 240.772 χ^2/NDF : 43.0/19

Right Out: -964.716 ± 435.111 χ^2/NDF : 12.3/18

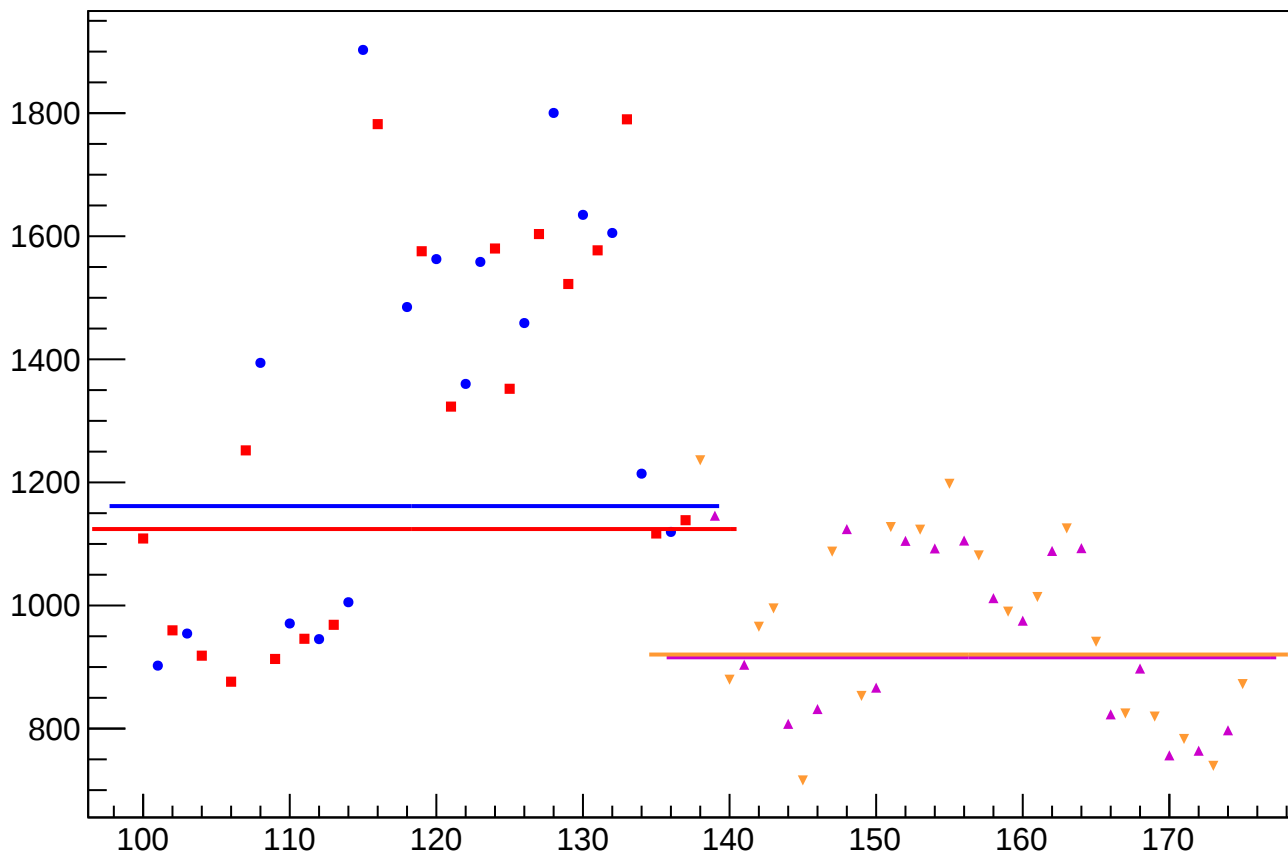
Left In: -197.547 ± 247.631 χ^2/NDF : 22.3/17

+ sign -943.671 ± 213.786 χ^2/NDF : 71.3/36

All: -666.318 ± 151.673 χ^2/NDF : 111.6/73

- sign -385.239 ± 215.217 χ^2/NDF : 36.9/36

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 920.330+/-0.170 χ^2/NDF : 764932.2/19

Right Out: 1124.235+/-0.308 χ^2/NDF : 767790.0/18

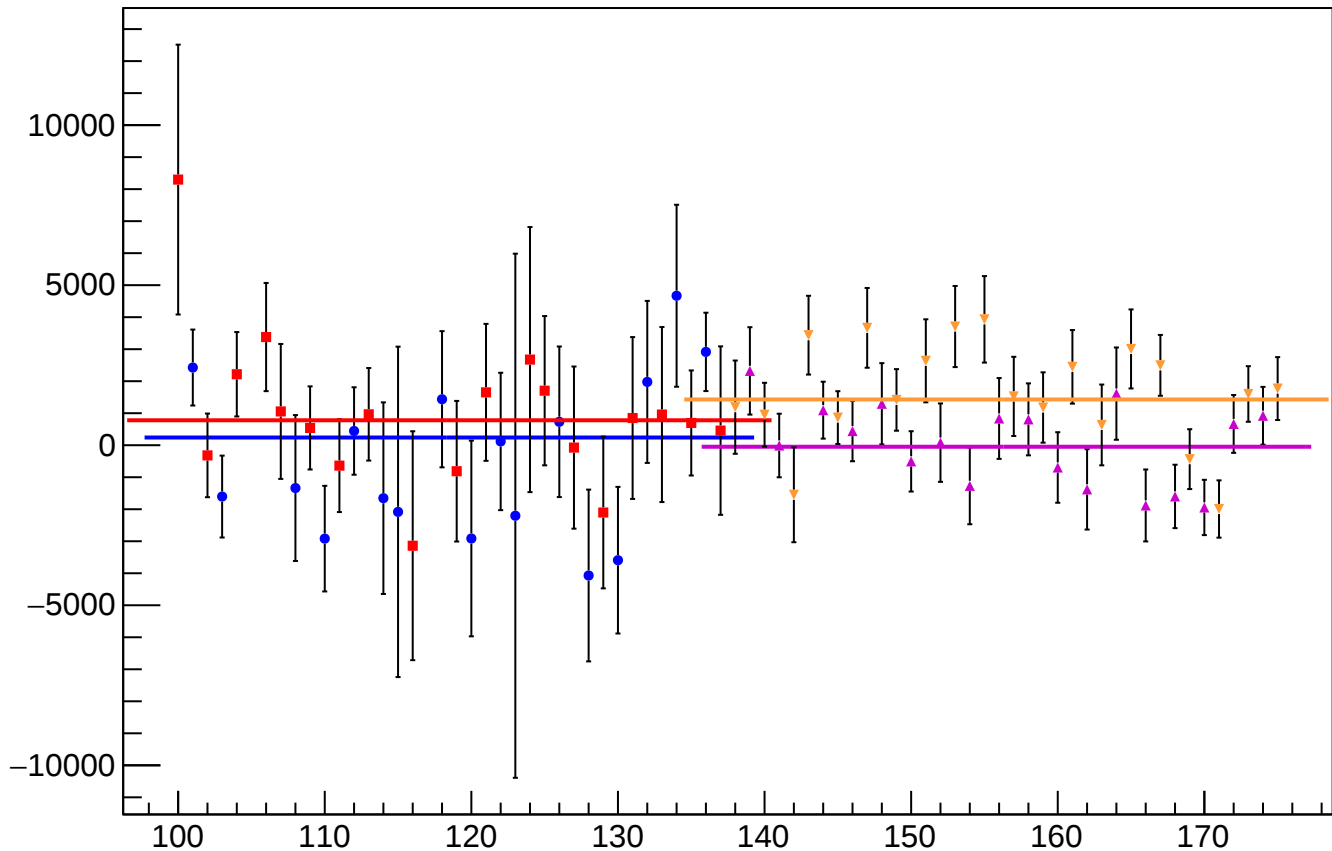
Left In: 915.808+/-0.175 χ^2/NDF : 570296.8/17

+ sign 971.368+/-0.151 χ^2/NDF : 1885545.3/36

All: 969.099+/-0.107 χ^2/NDF : 3570727.7/73

- sign 966.800+/-0.152 χ^2/NDF : 1684729.0/36

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1429.173 $\pm$ 242.985 χ^2 /NDF:41.1/19

Right Out: 779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

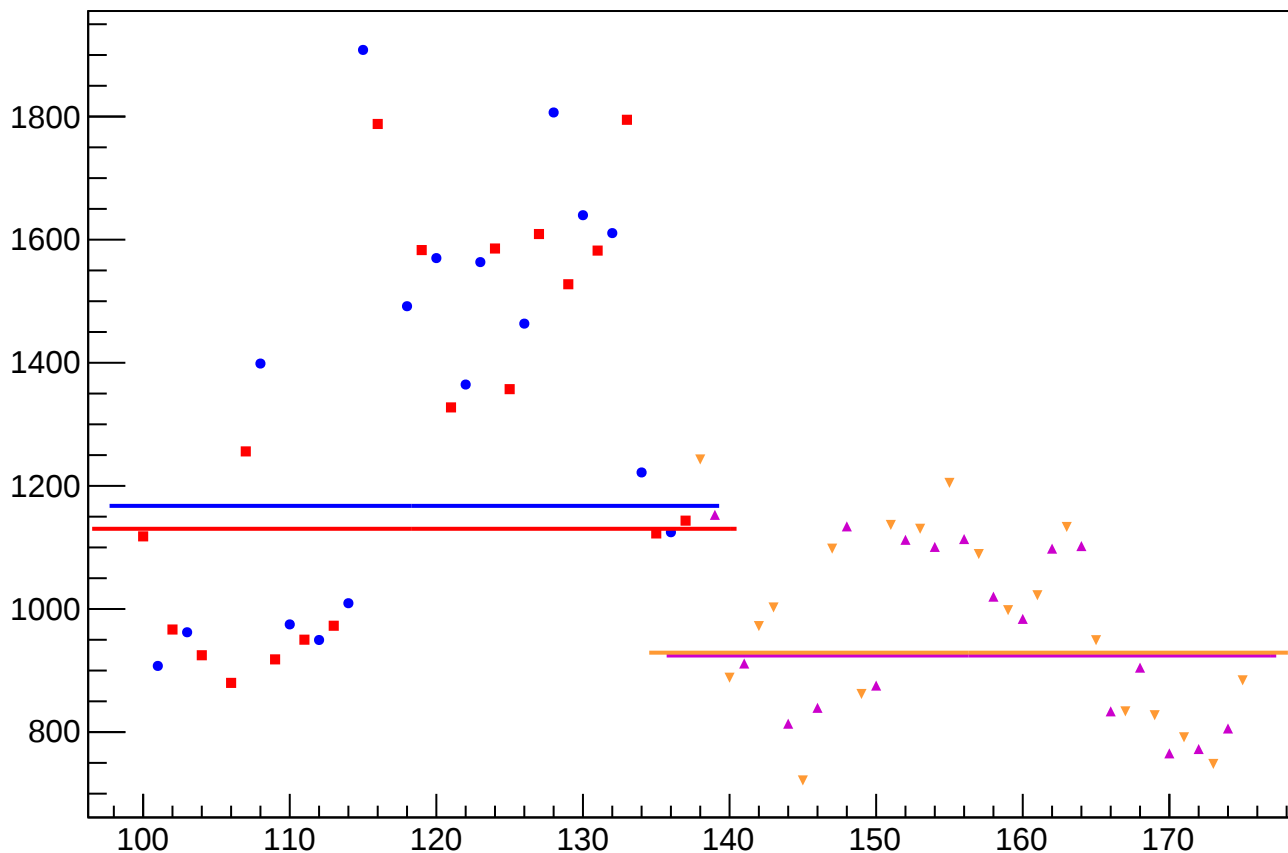
Left In: -47.756 $\pm$ 249.899 χ^2 /NDF:22.9/17

+ sign 1176.011 $\pm$ 215.556 χ^2 /NDF: 71.0/36

All: 669.238 $\pm$ 152.927 χ^2 /NDF: 120.1/73

- sign 155.686 $\pm$ 216.993 χ^2 /NDF: 38.0/36

asym_sam_48_dd_rms vs Slug



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 929.055 $\pm$ 0.172 χ^2 /NDF: 752711.9/19

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

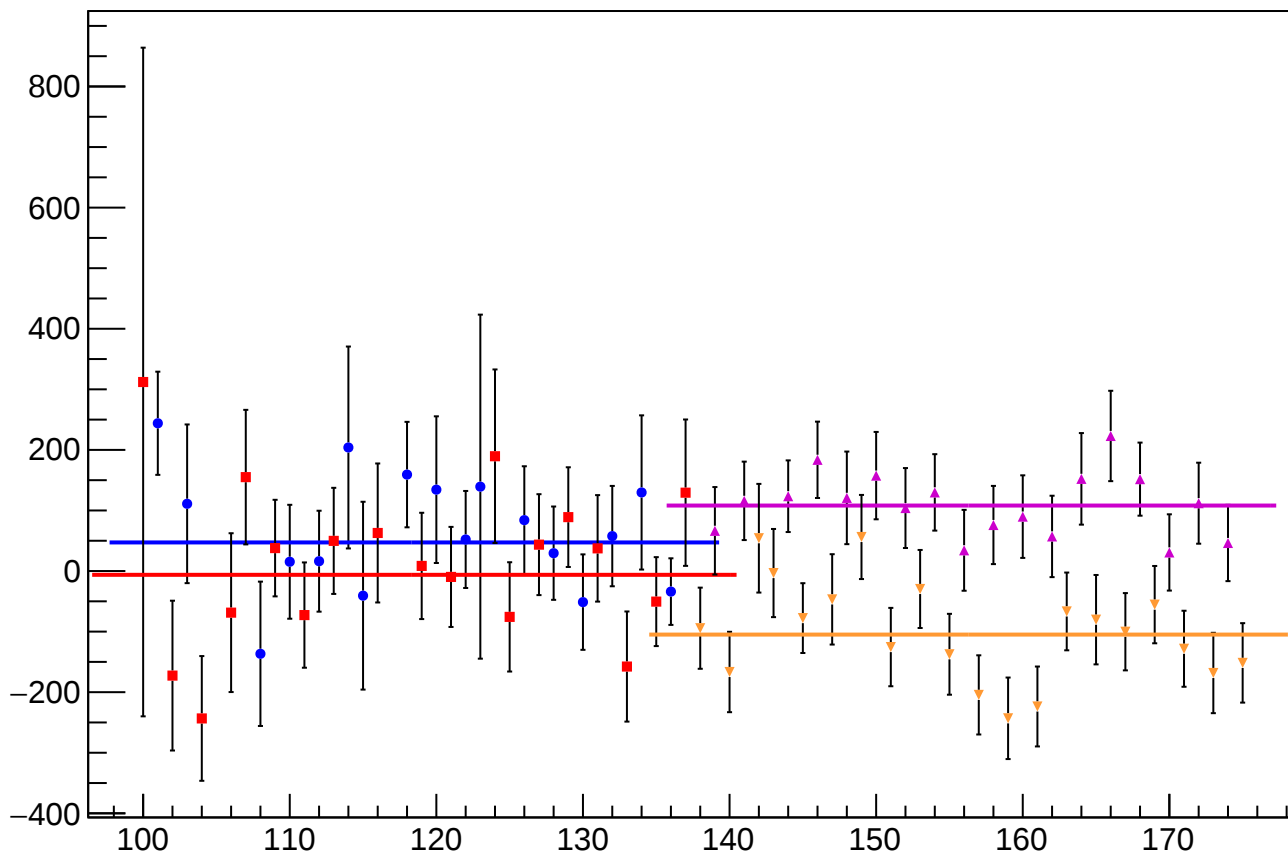
Left In: 924.410 $\pm$ 0.177 χ^2 /NDF: 560651.5/17

+ sign 979.857 $\pm$ 0.152 χ^2 /NDF: 1853599.1/36

All: 977.476 $\pm$ 0.108 χ^2 /NDF: 3510236.9/73

- sign 975.062 $\pm$ 0.153 χ^2 /NDF: 1656146.3/36

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220+/-22.565 χ^2/NDF : 16.1/16

Left Out: -104.914+/-14.955 χ^2/NDF : 26.3/19

Right Out: -6.246+/-22.128 χ^2/NDF : 20.3/18

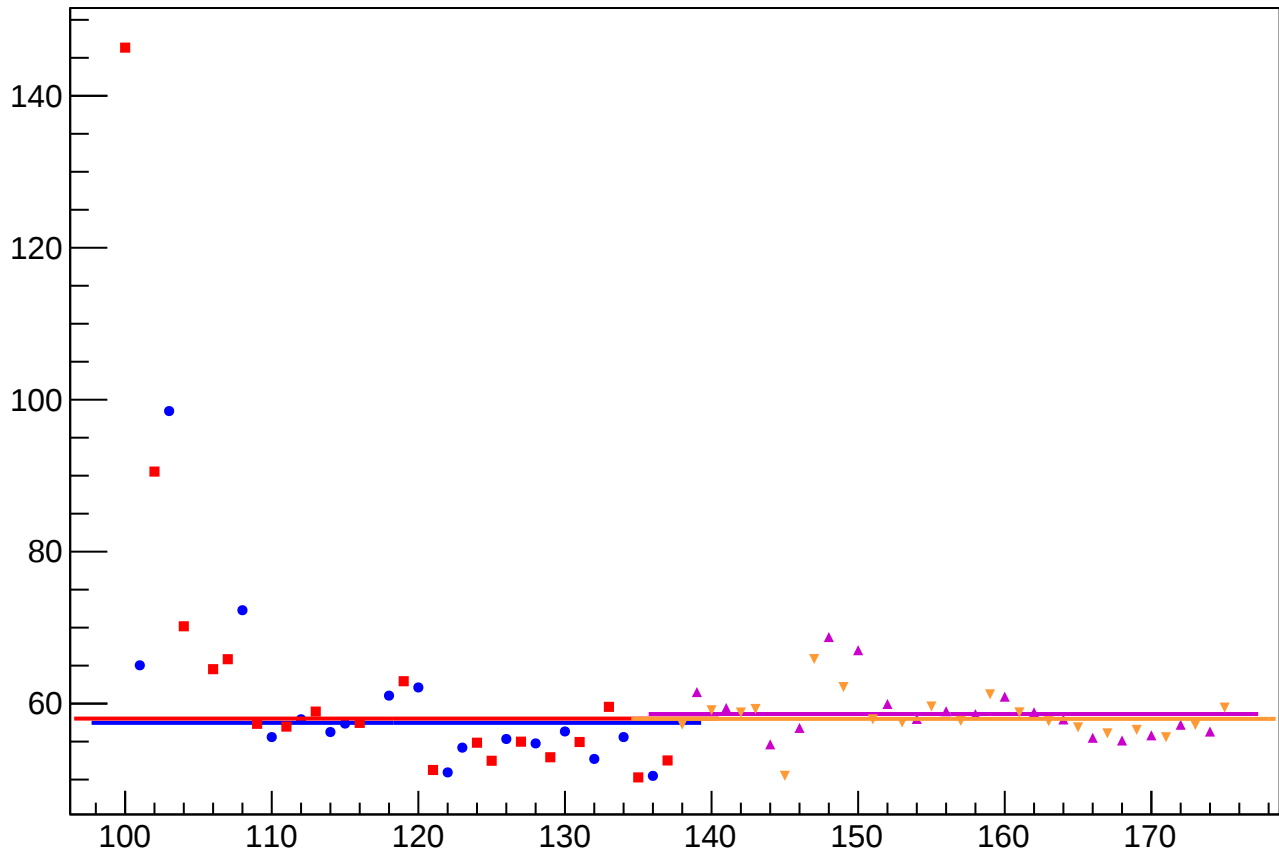
Left In: 108.129+/-15.675 χ^2/NDF : 10.3/17

+ sign -58.482+/-12.466 χ^2/NDF : 74.0/36

All: 4.065+/-8.927 χ^2/NDF : 174.0/73

- sign 69.913+/-12.791 χ^2/NDF : 48.4/36

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 57.988 $\pm$ 0.011 χ^2 /NDF: 78921.7/19

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

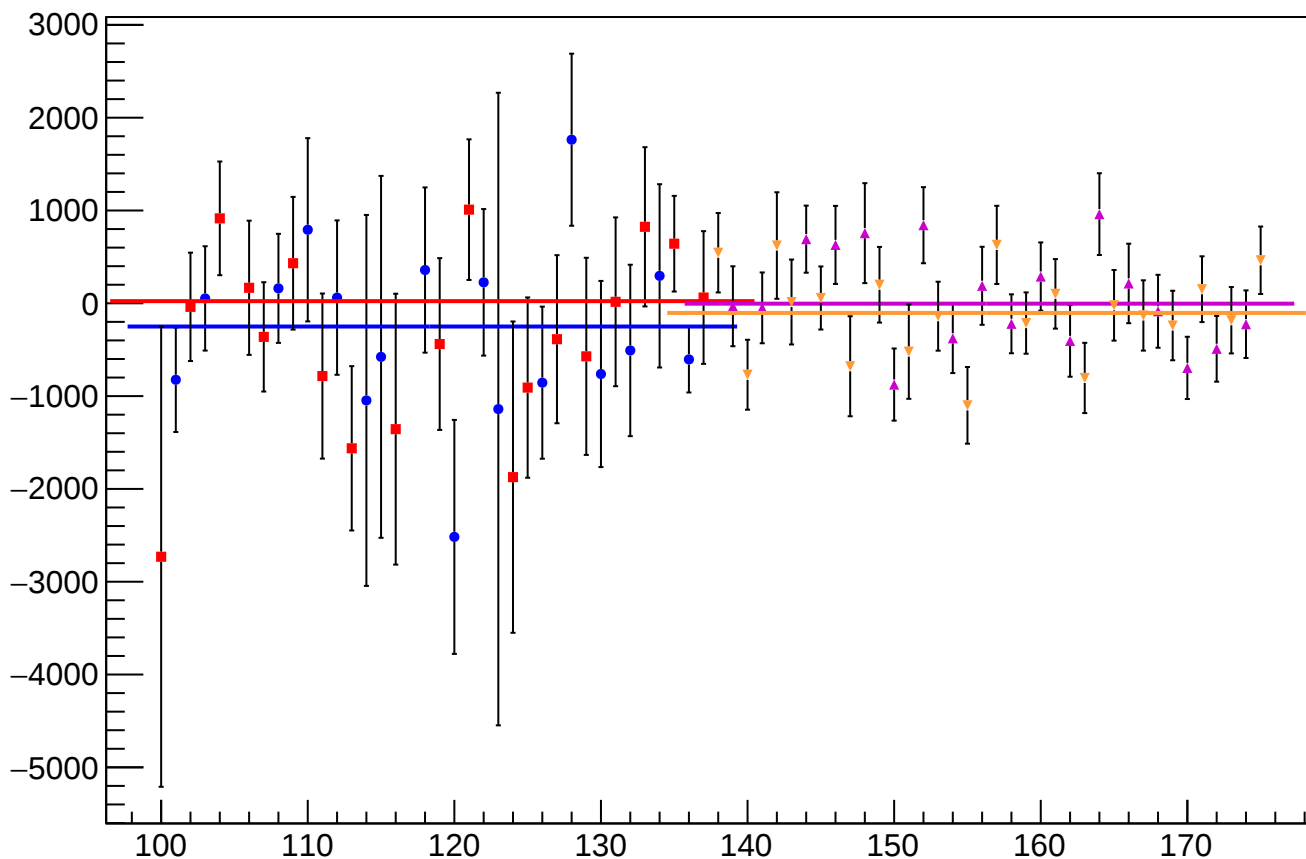
Left In: 58.630 $\pm$ 0.011 χ^2 /NDF: 97779.2/17

+ sign 57.829 $\pm$ 0.009 χ^2 /NDF: 386824.5/36

All: 58.121 $\pm$ 0.006 χ^2 /NDF: 788640.1/73

- sign 58.429 $\pm$ 0.009 χ^2 /NDF: 399557.7/36

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2/NDF : 14.3/16

Left Out: -103.829 $\pm$ 88.158 χ^2/NDF : 25.6/19

Right Out: 23.314 $\pm$ 181.834 χ^2/NDF : 16.1/18

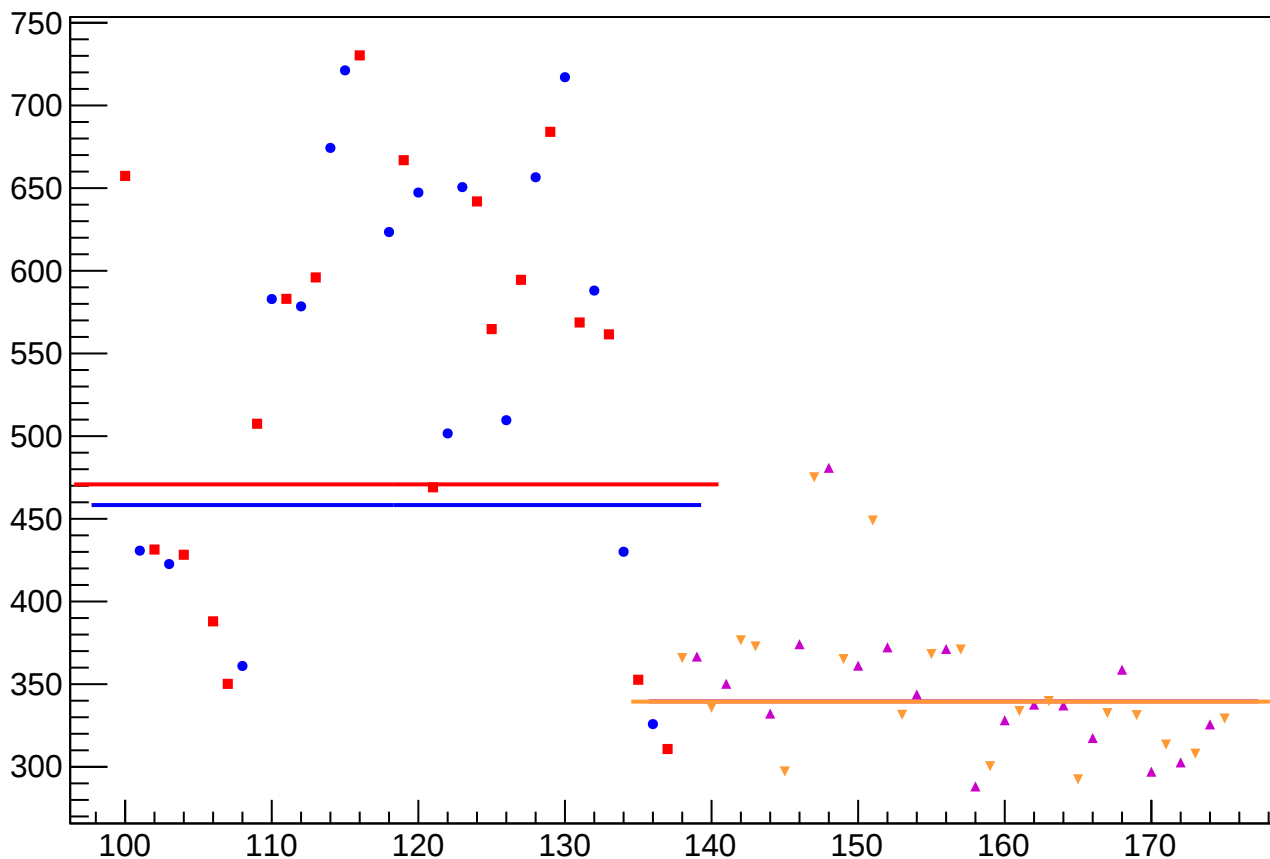
Left In: -3.951 $\pm$ 91.330 χ^2/NDF : 32.3/17

+ sign -131.123 $\pm$ 79.511 χ^2/NDF : 40.4/36

All: -66.522 $\pm$ 56.952 χ^2/NDF : 90.0/73

- sign 1.541 $\pm$ 81.614 χ^2/NDF : 48.3/36

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 339.446+/-0.062 χ^2/NDF : 395333.7/19

Right Out: 470.827+/-0.129 χ^2/NDF : 778635.2/18

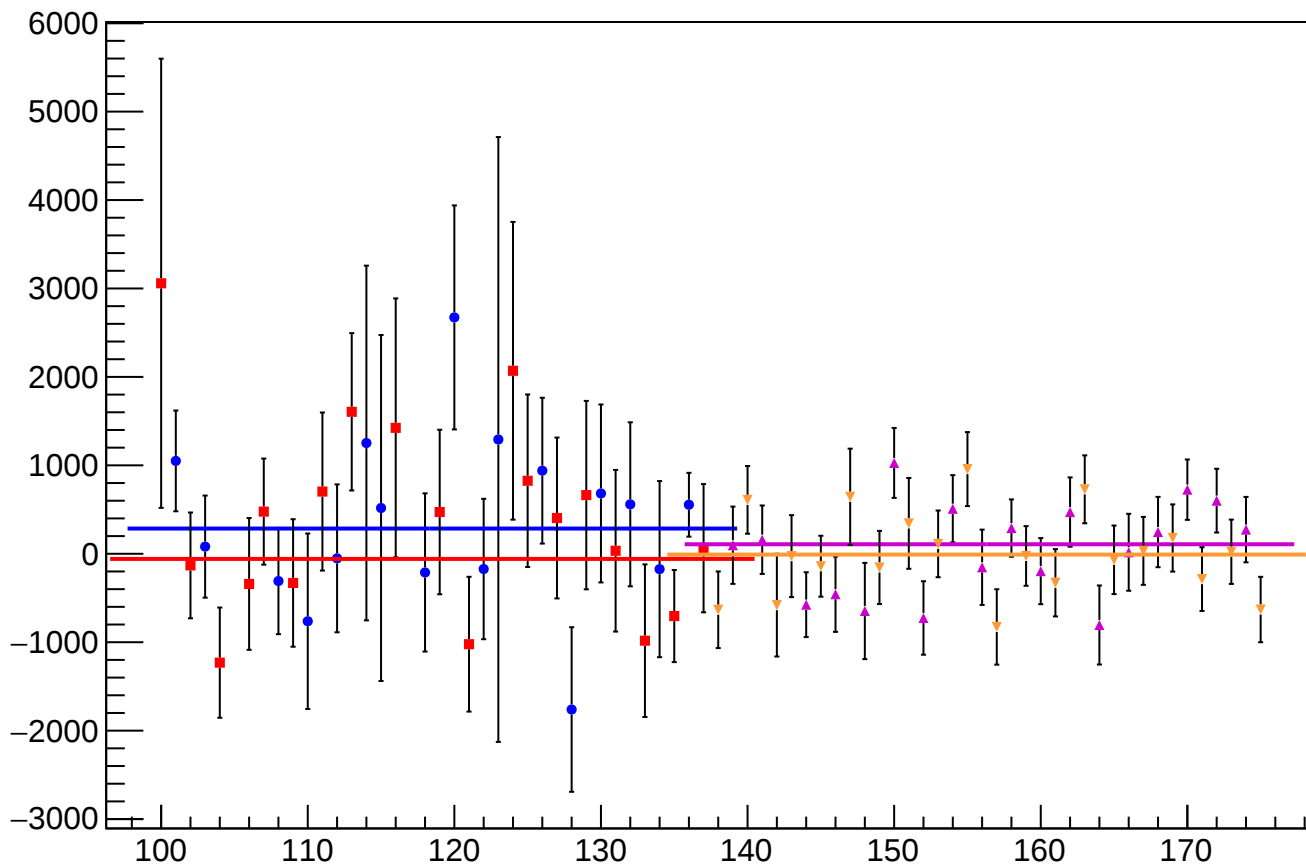
Left In: 339.586+/-0.065 χ^2/NDF : 313452.3/17

+ sign 361.622+/-0.056 χ^2/NDF : 1950953.5/36

All: 363.766+/-0.040 χ^2/NDF : 3878021.5/73

- sign 366.025+/-0.058 χ^2/NDF : 1924082.0/36

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: -9.068 $\pm$ 89.484 χ^2 /NDF:25.1/19

Right Out: -58.001 $\pm$ 184.074 χ^2 /NDF: 19.2/18

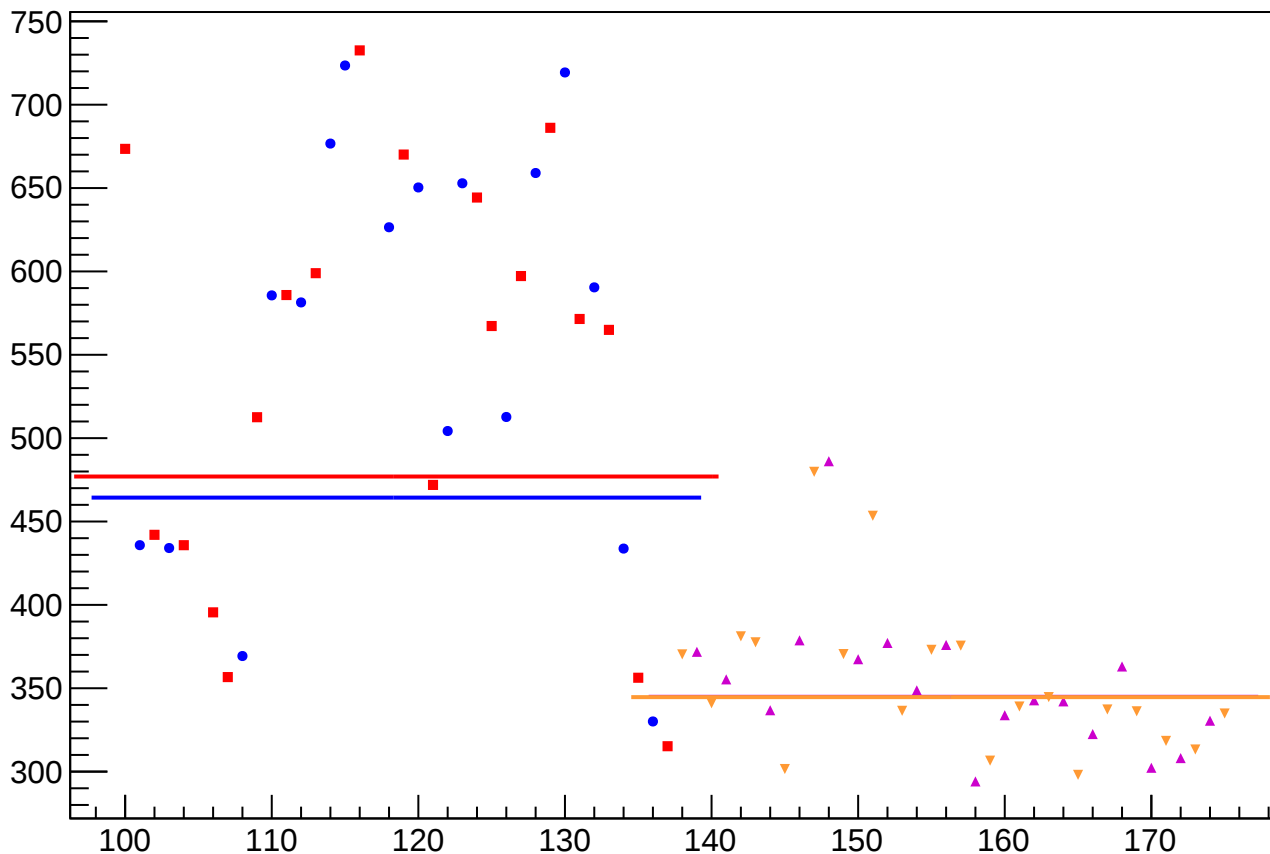
Left In: 107.728 $\pm$ 92.722 χ^2 /NDF:29.6/17

+ sign 46.142 $\pm$ 80.659 χ^2 /NDF: 42.3/36

All: 59.795 $\pm$ 57.780 χ^2 /NDF: 91.8/73

- sign 74.187 $\pm$ 82.810 χ^2 /NDF: 49.5/36

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 344.669 $\pm$ 0.063 χ^2 /NDF: 381583.5/19

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

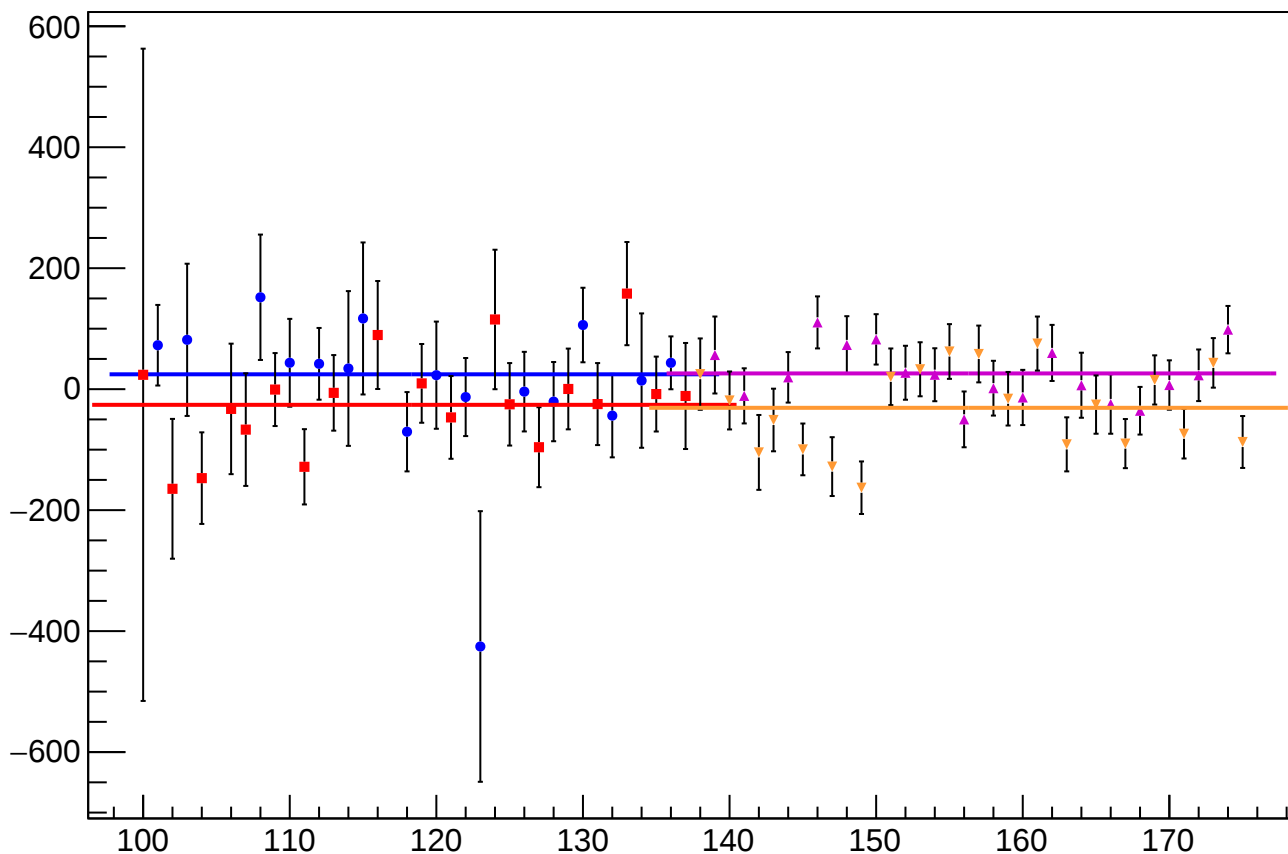
Left In: 344.866 $\pm$ 0.066 χ^2 /NDF: 302336.6/17

+ sign 367.110 $\pm$ 0.057 χ^2 /NDF: 1898255.9/36

All: 369.299 $\pm$ 0.041 χ^2 /NDF: 3774803.1/73

- sign 371.606 $\pm$ 0.059 χ^2 /NDF: 1873522.7/36

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 χ^2/NDF : 13.0/16

Left Out: -30.823 ± 10.182 χ^2/NDF : 46.5/19

Right Out: -25.884 ± 17.386 χ^2/NDF : 16.8/18

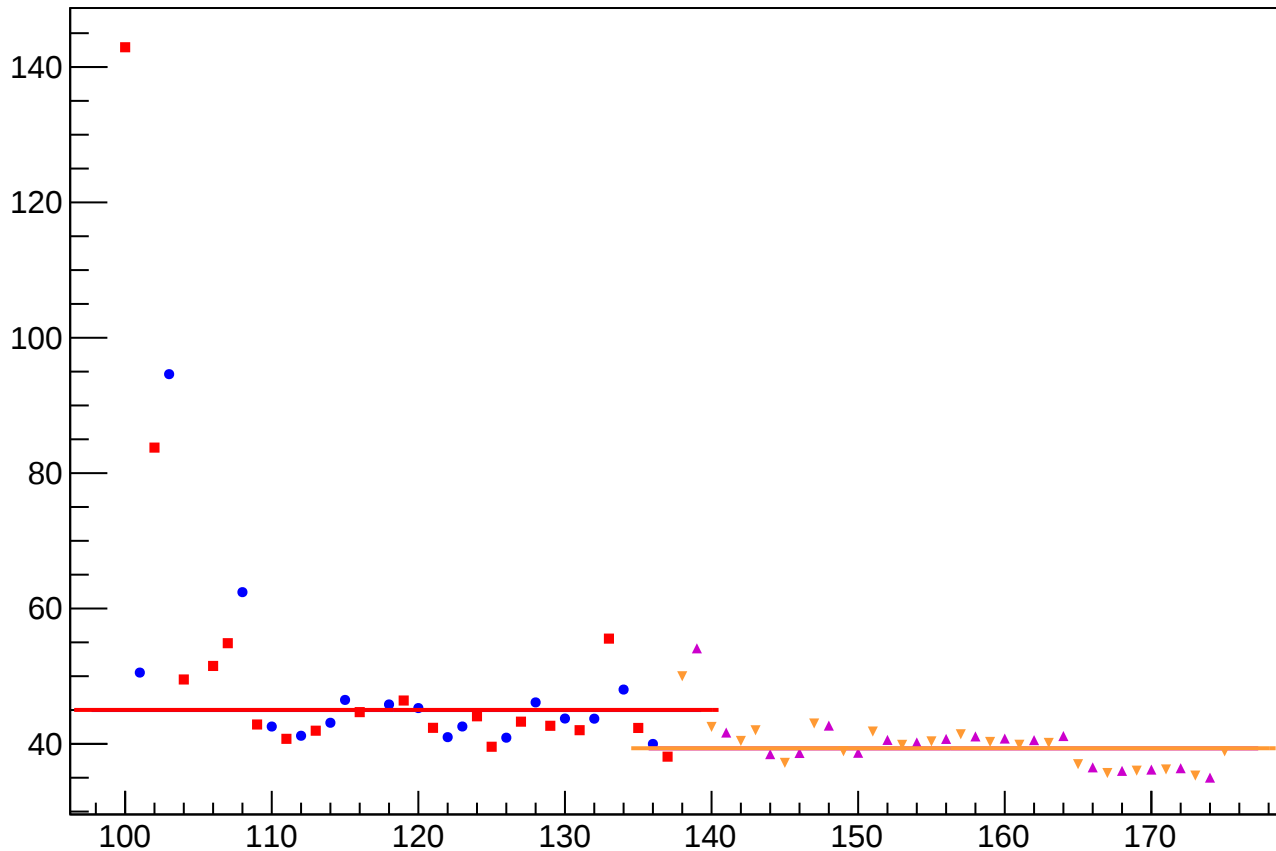
Left In: 26.034 ± 10.545 χ^2/NDF : 19.2/17

+ sign -17.208 ± 8.843 χ^2/NDF : 66.8/36

All: -2.851 ± 6.313 χ^2/NDF : 114.7/73

- sign 12.073 ± 9.016 χ^2/NDF : 42.5/36

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001+/-0.013 χ^2/NDF : 438352.8/16

Left Out: 39.355+/-0.007 χ^2/NDF :174249.9/19

Right Out: 45.017+/-0.012 χ^2/NDF : 415509.0/18

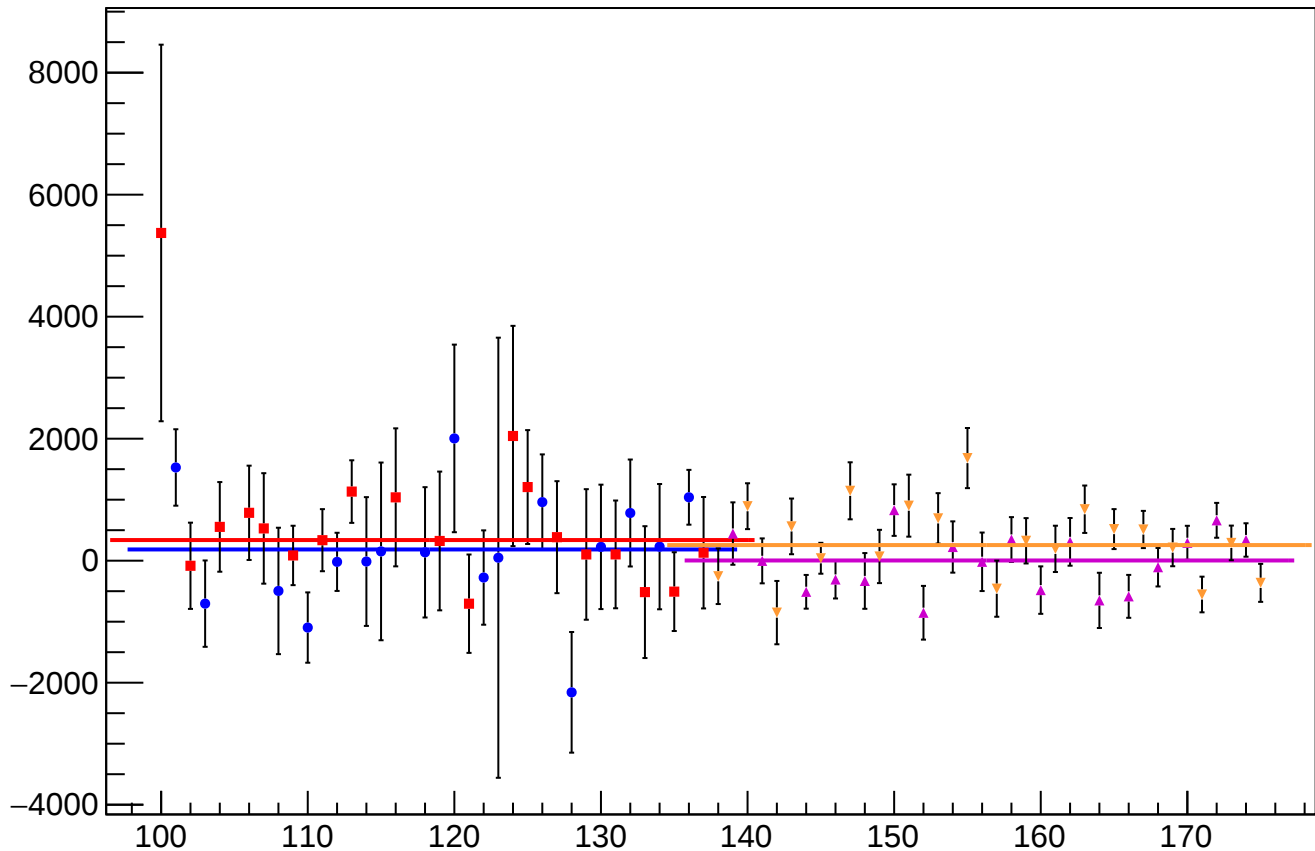
Left In: 39.330+/-0.007 χ^2/NDF :204280.4/17

+ sign 40.743+/-0.006 χ^2/NDF : 763710.0/36

All: 40.800+/-0.004 χ^2/NDF : 1540118.8/73

- sign 40.859+/-0.006 χ^2/NDF : 776237.9/36

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 $\pm$ 188.558 χ^2 /NDF: 24.2/16

Left Out: 255.890 $\pm$ 81.547 χ^2 /NDF: 42.5/19

Right Out: 338.329 $\pm$ 179.381 χ^2 /NDF: 12.5/18

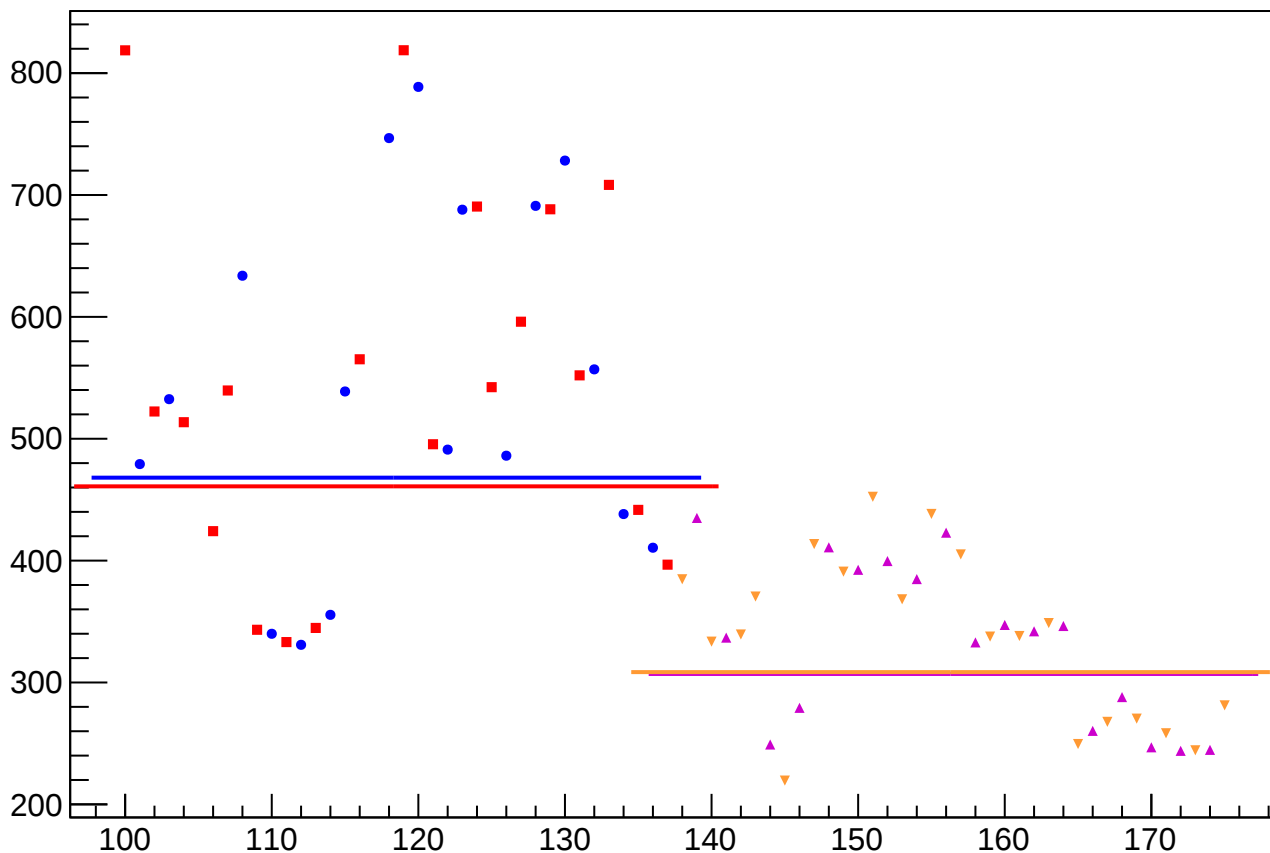
Left In: 3.533 $\pm$ 83.865 χ^2 /NDF: 29.6/17

+ sign 244.592 $\pm$ 74.847 χ^2 /NDF: 66.9/36

All: 155.439 $\pm$ 53.318 χ^2 /NDF: 114.7/73

- sign 63.586 $\pm$ 75.972 χ^2 /NDF: 44.9/36

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 308.515+/-0.058 χ^2/NDF :1311180.9/19

Right Out: 460.939+/-0.127 χ^2/NDF : 955028.5/18

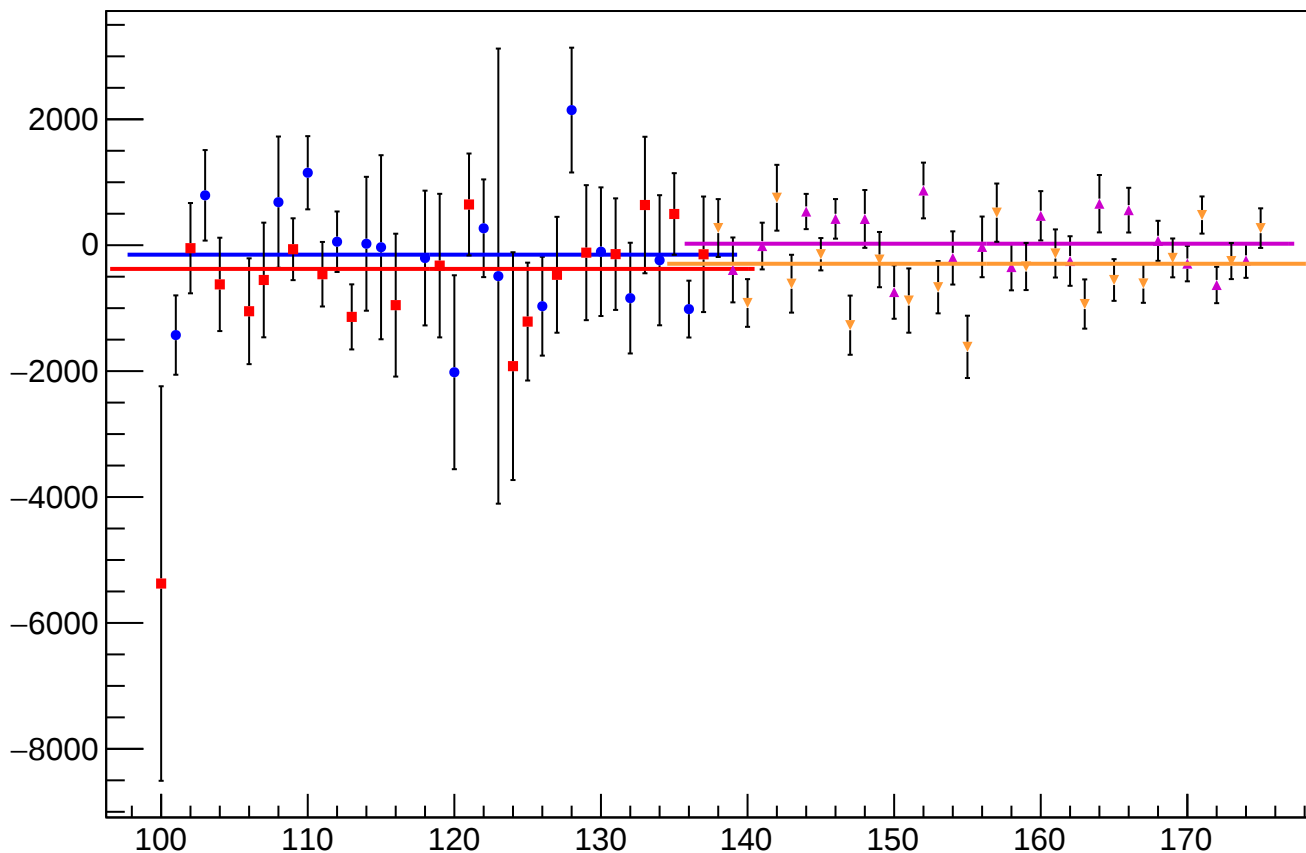
Left In: 306.988+/-0.059 χ^2/NDF :1100342.8/17

+ sign 333.656+/-0.053 χ^2/NDF : 3397930.9/36

All: 334.122+/-0.038 χ^2/NDF : 6662356.9/73

- sign 334.603+/-0.054 χ^2/NDF : 3264268.5/36

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -294.758 ± 82.256 χ^2/NDF : 40.5/19

Right Out: -376.554 ± 181.258 χ^2/NDF : 12.4/18

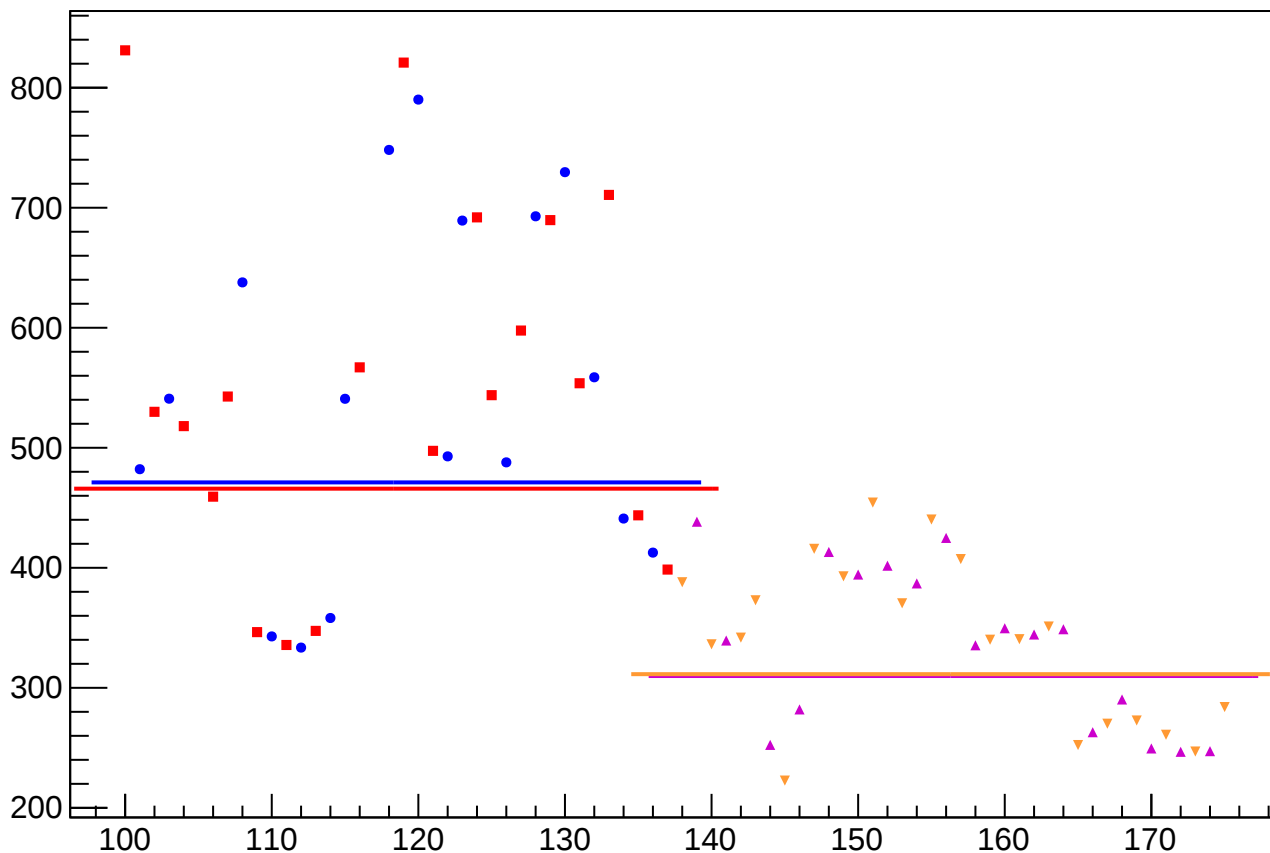
Left In: 23.610 ± 84.599 χ^2/NDF : 27.8/17

+ sign -271.902 ± 75.469 χ^2/NDF : 65.2/36

All: -161.688 ± 53.781 χ^2/NDF : 113.7/73

- sign -47.968 ± 76.660 χ^2/NDF : 44.3/36

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 311.379+/-0.058 χ^2/NDF :1281065.0/19

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

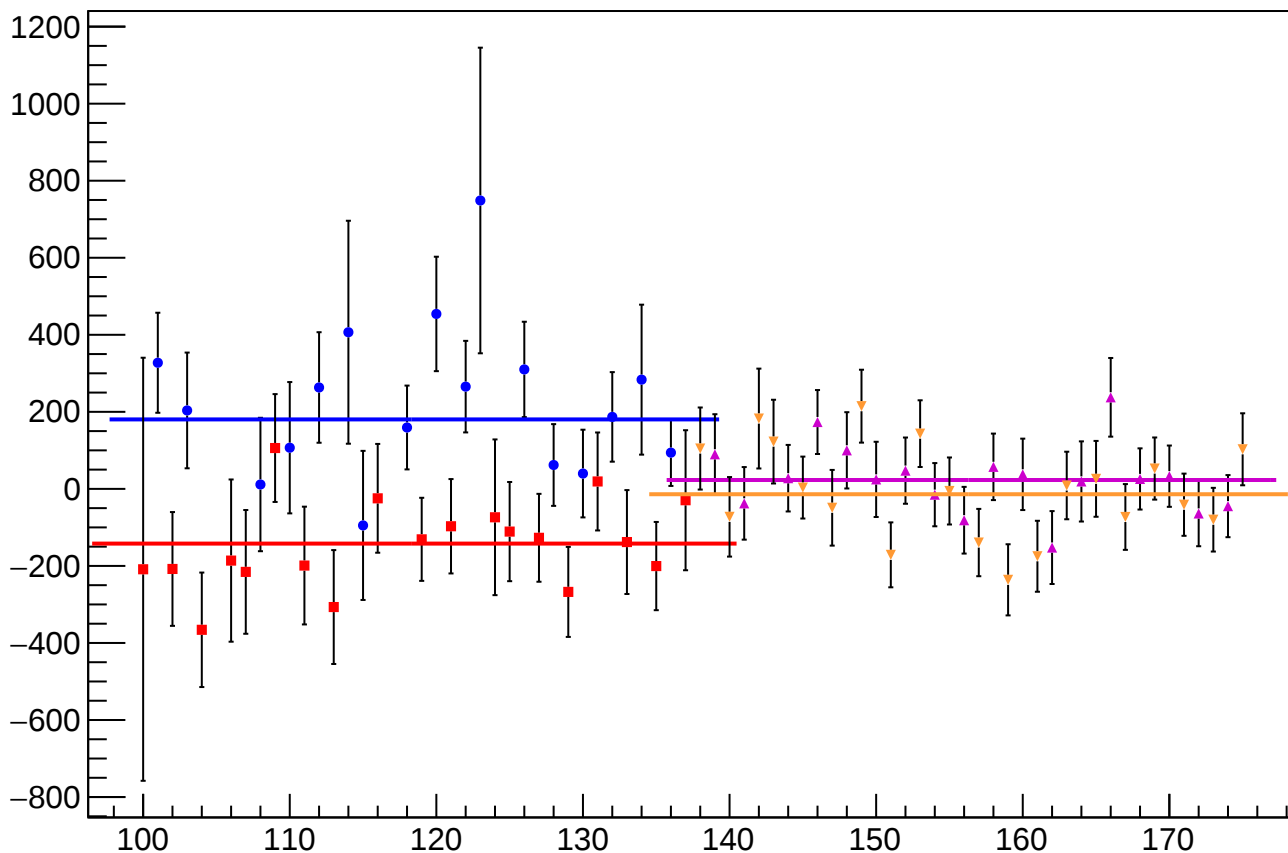
Left In: 309.836+/-0.060 χ^2/NDF :1076458.8/17

+ sign 336.659+/-0.053 χ^2/NDF : 3346856.1/36

All: 337.200+/-0.038 χ^2/NDF : 6582055.1/73

- sign 337.758+/-0.054 χ^2/NDF : 3234990.5/36

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: -13.901 $\pm$ -20.382 χ^2 /NDF:32.9/19

Right Out: -142.040 $\pm$ -32.338 χ^2 /NDF: 11.7/18

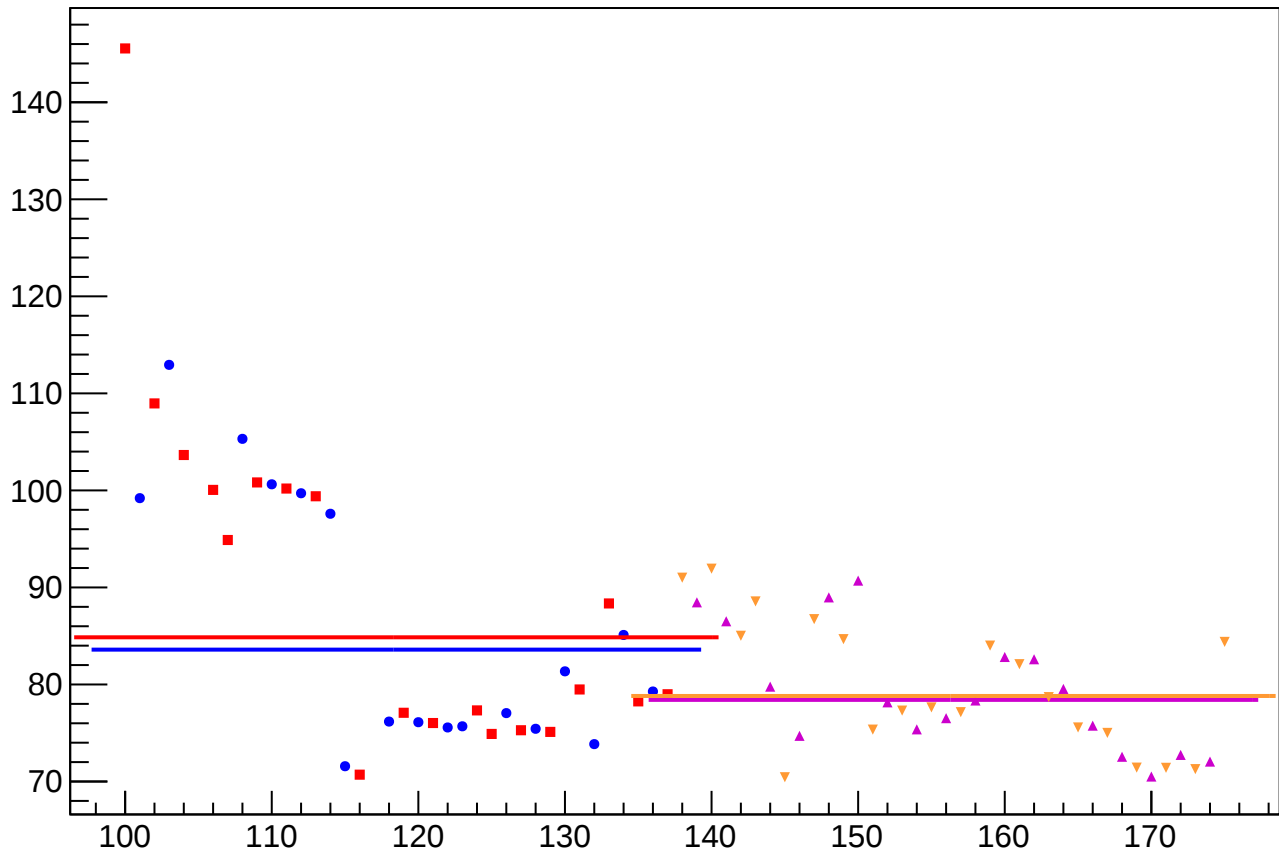
Left In: 23.048 $\pm$ -21.000 χ^2 /NDF:16.3/17

+ sign 40.280 $\pm$ -17.308 χ^2 /NDF: 74.8/36

All: 7.757 $\pm$ -12.345 χ^2 /NDF: 128.2/73

- sign -25.922 $\pm$ -17.612 χ^2 /NDF: 46.3/36

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 78.815 $\pm$ 0.014 χ^2 /NDF:198948.2/19

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

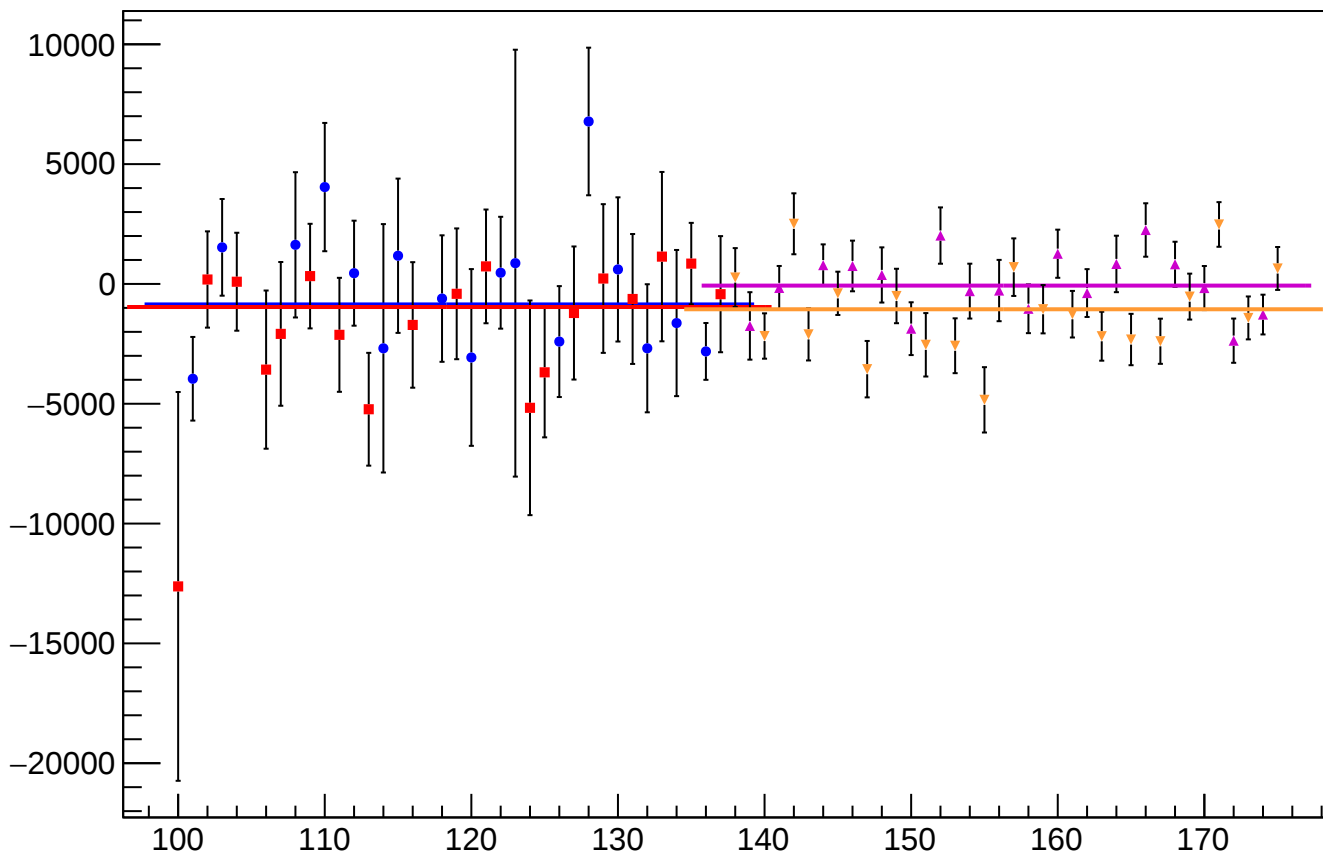
Left In: 78.412 $\pm$ 0.015 χ^2 /NDF:158106.4/17

+ sign 80.148 $\pm$ 0.012 χ^2 /NDF: 485494.4/36

All: 80.235 $\pm$ 0.009 χ^2 /NDF: 990250.9/73

- sign 80.325 $\pm$ 0.012 χ^2 /NDF: 504652.8/36

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308+/-583.290 χ^2 /NDF: 20.3/16

Left Out: -1057.132+/-234.015 χ^2 /NDF:52.6/19

Right Out: -962.932+/-589.071 χ^2 /NDF: 11.5/18

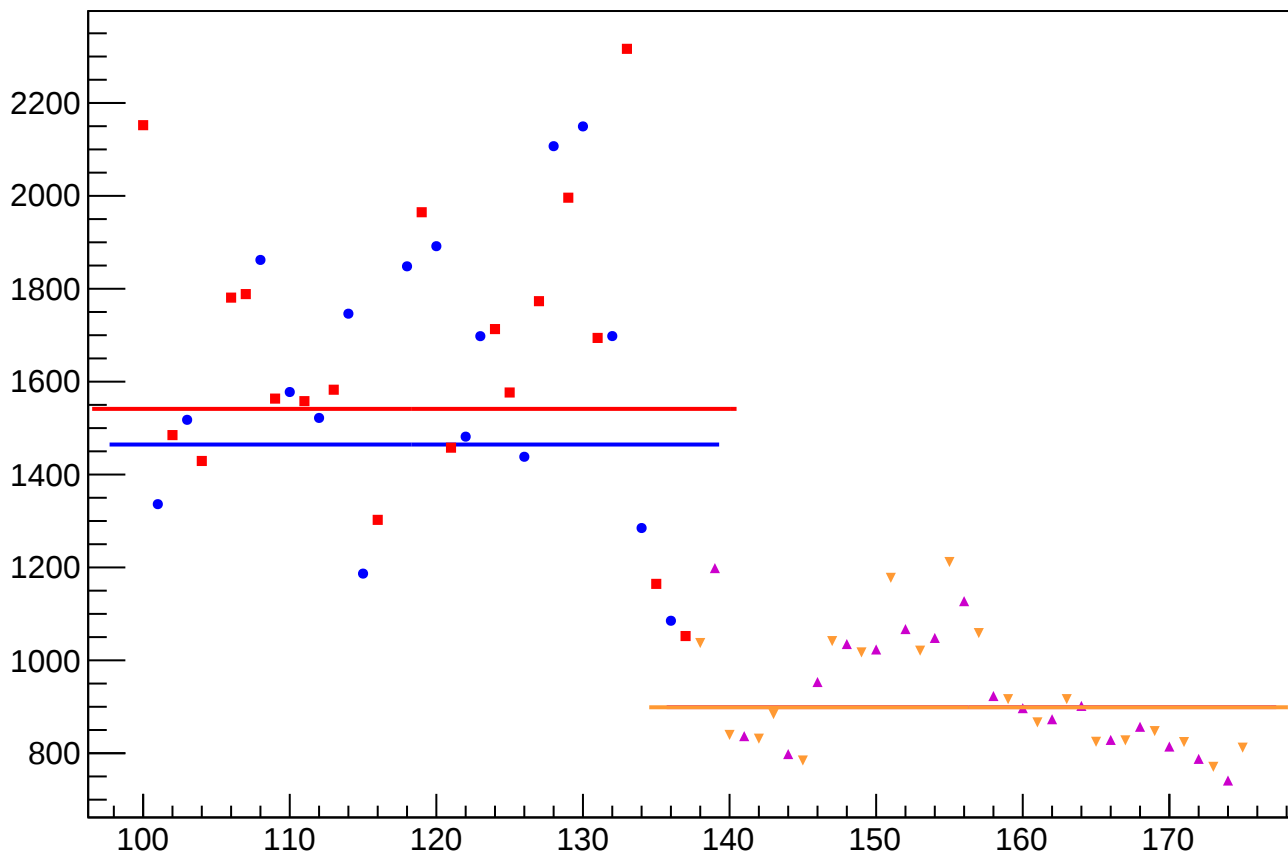
Left In: -69.755+/-242.326 χ^2 /NDF:26.0/17

+ sign -1029.150+/-217.187 χ^2 /NDF: 73.0/36

All: -627.098+/-155.963 χ^2 /NDF: 119.6/73

- sign -199.027+/-224.105 χ^2 /NDF: 39.4/36

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 898.936 $\pm$ 0.165 χ^2 /NDF: 477397.2/19

Right Out: 1541.388 $\pm$ 0.417 χ^2 /NDF: 453710.5/18

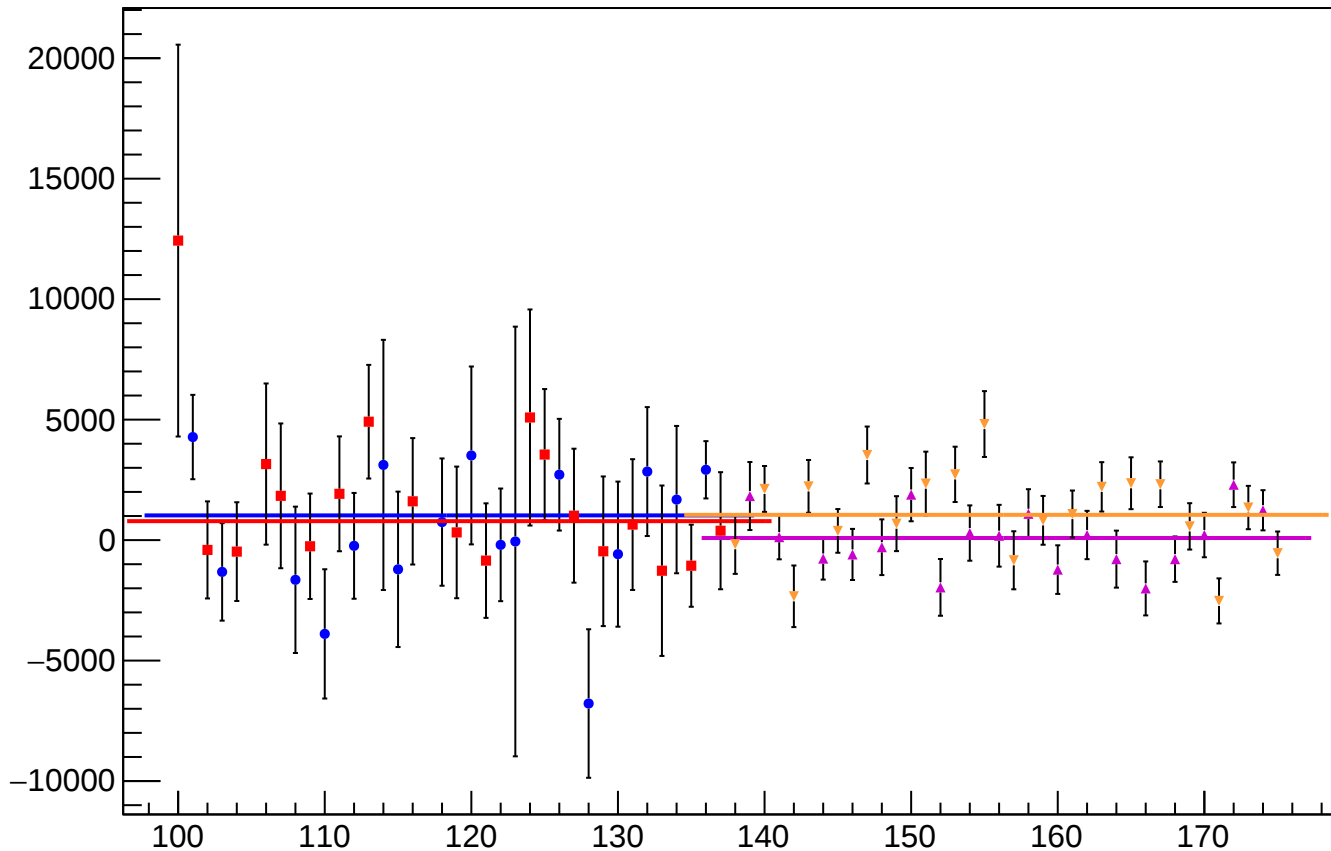
Left In: 899.329 $\pm$ 0.171 χ^2 /NDF: 457090.7/17

+ sign 977.367 $\pm$ 0.154 χ^2 /NDF: 2658634.2/36

All: 984.578 $\pm$ 0.110 χ^2 /NDF: 5606095.3/73

- sign 992.256 $\pm$ 0.158 χ^2 /NDF: 2942908.6/36

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527+/-584.500 χ^2/NDF : 20.9/16

Left Out: 1048.611+/-234.984 χ^2/NDF : 51.3/19

Right Out: 787.007+/-590.388 χ^2/NDF : 11.2/18

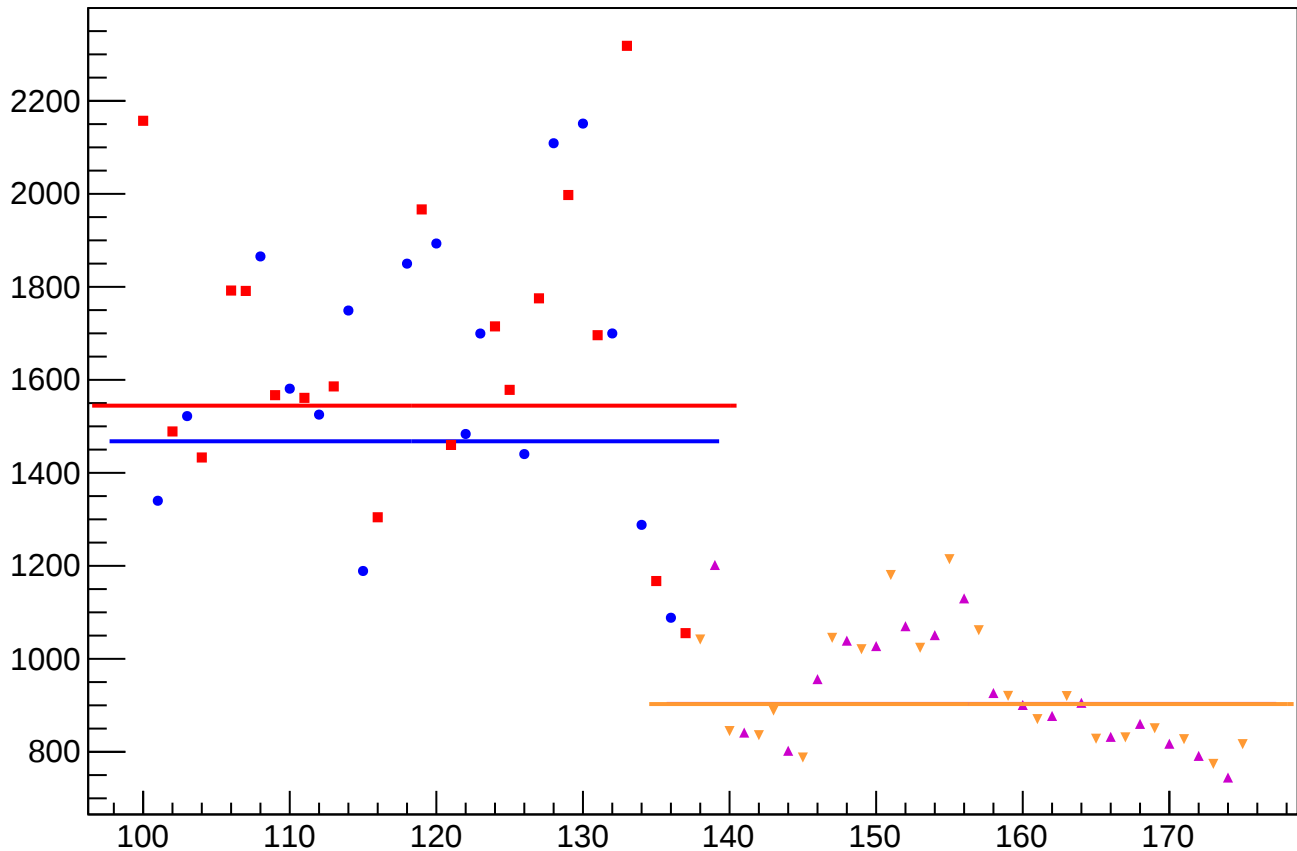
Left In: 87.135+/-243.302 χ^2/NDF : 23.9/17

+ sign 1045.399+/-218.024 χ^2/NDF : 72.3/36

All: 630.457+/-156.557 χ^2/NDF : 116.0/73

- sign 188.739+/-224.949 χ^2/NDF : 36.3/36

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 902.771+/-0.166 χ^2/NDF : 472378.6/19

+ sign 981.402+/-0.154 χ^2/NDF : 2639368.5/36

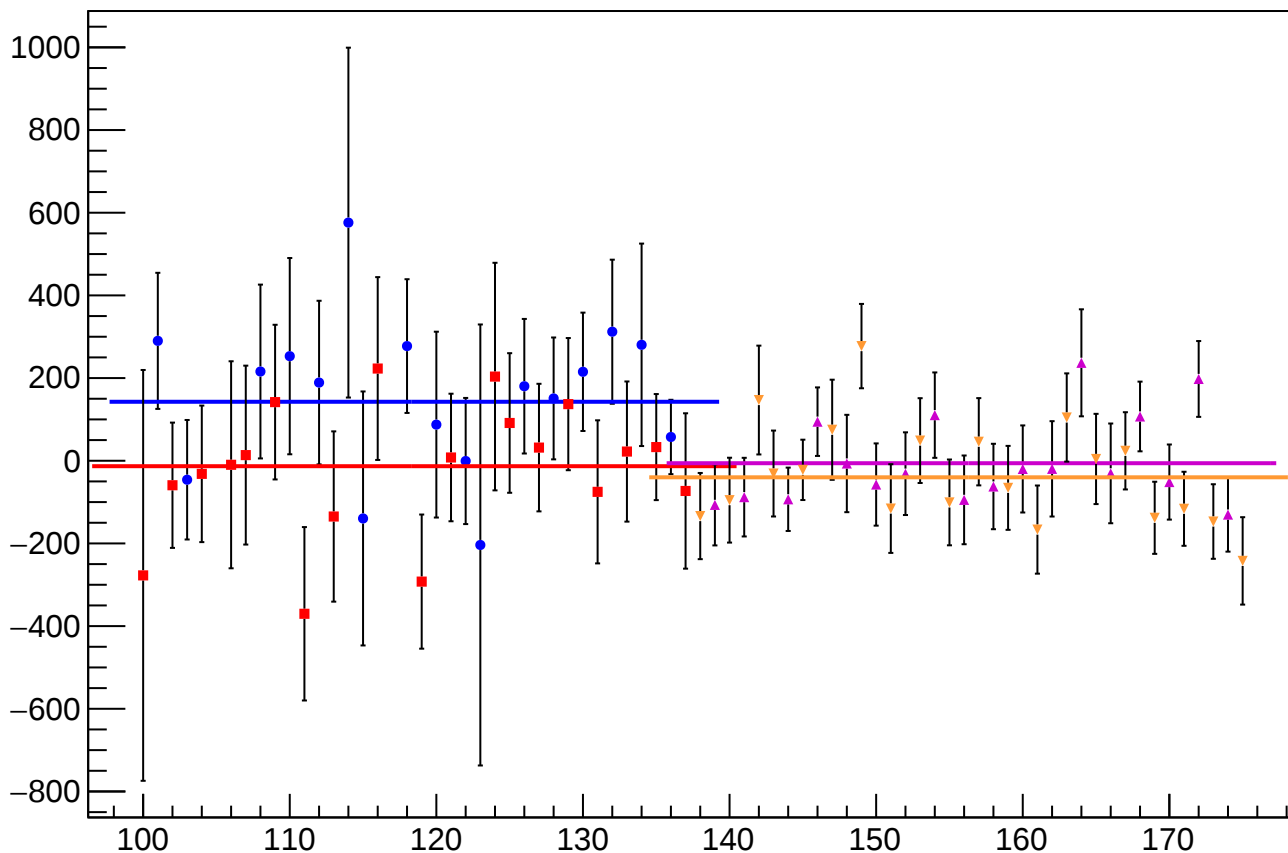
Right Out: 1544.513+/-0.417 χ^2/NDF : 451805.9/18

All: 988.557+/-0.111 χ^2/NDF : 5566428.0/73

Left In: 903.049+/-0.172 χ^2/NDF : 452542.4/17

- sign 996.174+/-0.159 χ^2/NDF : 2922612.5/36

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -40.051 $\pm$ 22.396 χ^2 /NDF:27.0/19

Right Out: -13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

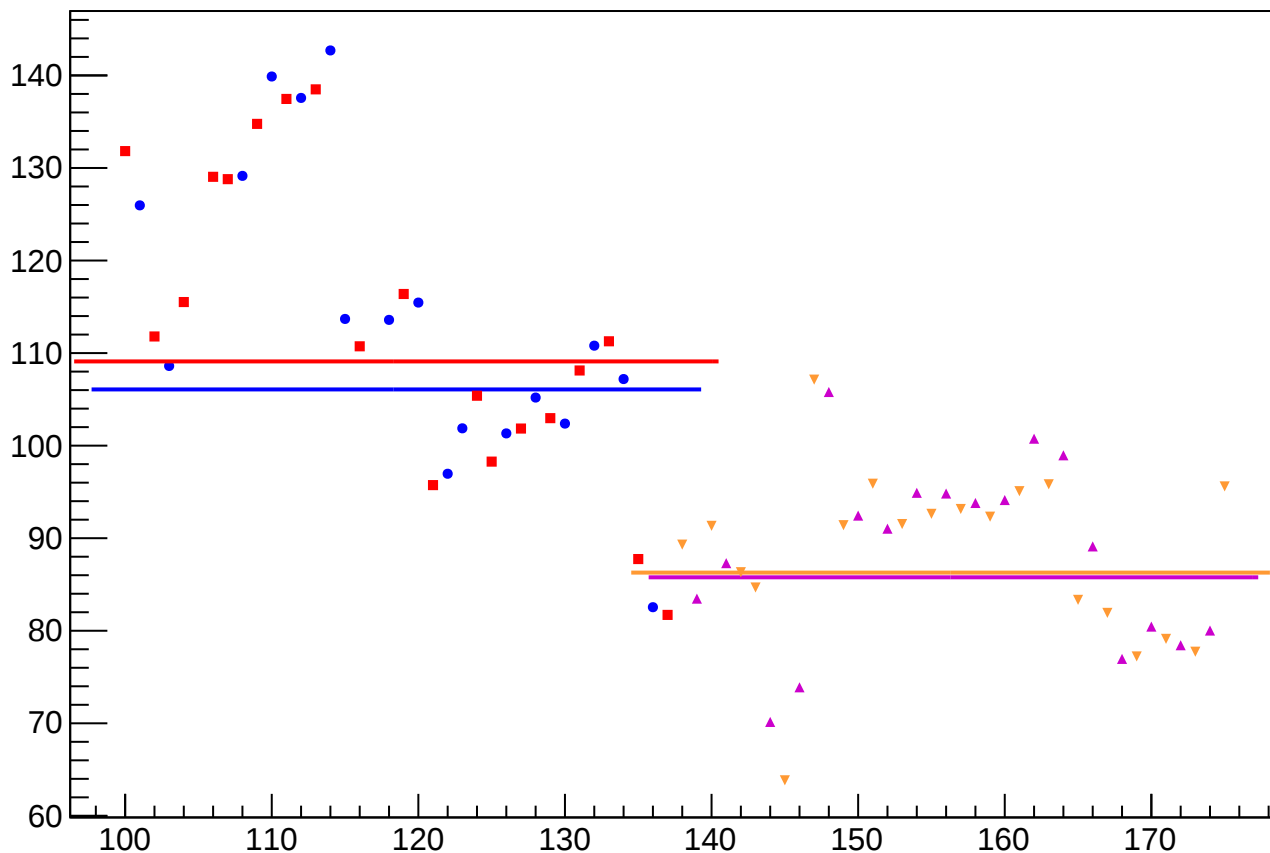
Left In: -5.949 $\pm$ 23.082 χ^2 /NDF:19.7/17

+ sign 0.973 $\pm$ 19.723 χ^2 /NDF: 51.3/36

All: -3.250 $\pm$ 14.098 χ^2 /NDF: 81.9/73

- sign -7.663 $\pm$ 20.160 χ^2 /NDF: 30.5/36

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 86.284 $\pm$ 0.016 χ^2 /NDF: 408003.8/19

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

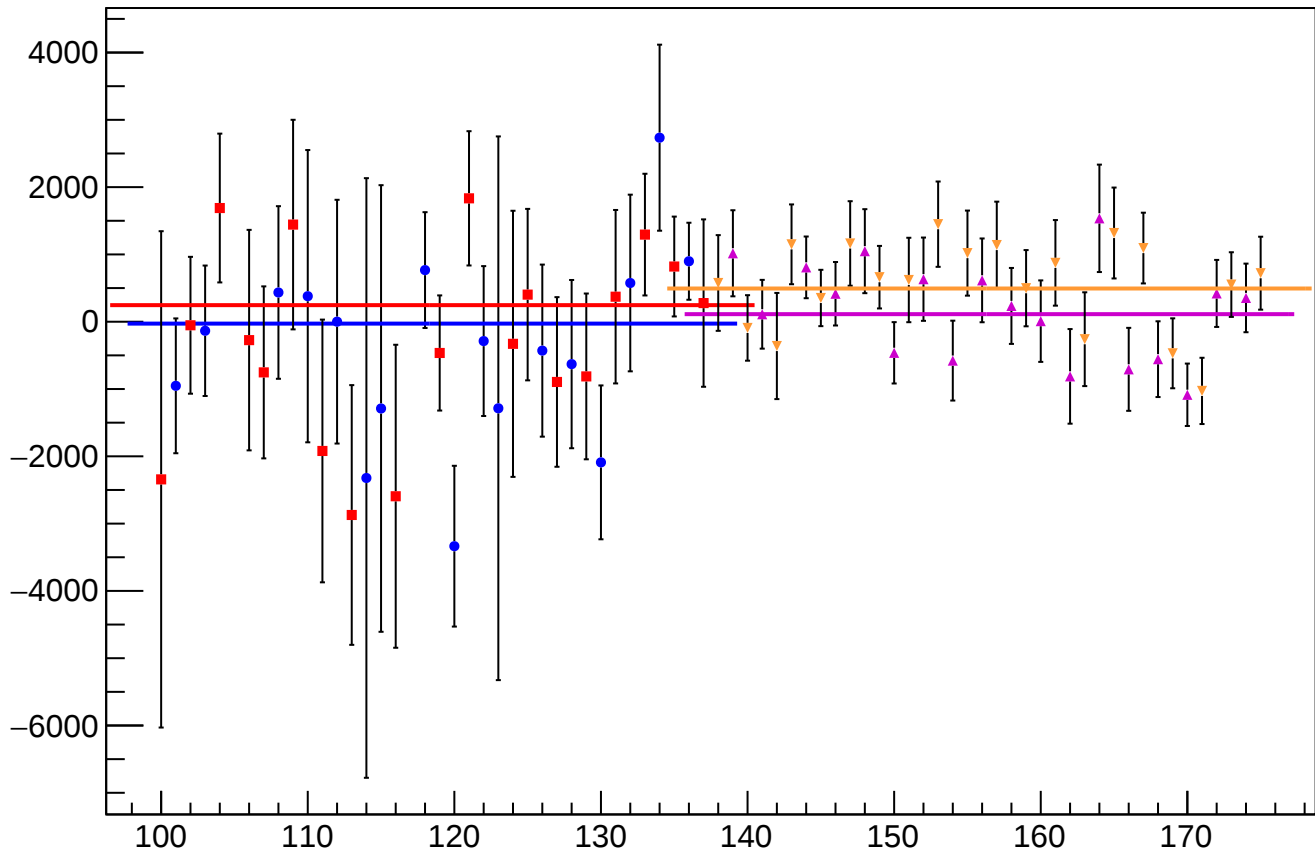
Left In: 85.773 $\pm$ 0.016 χ^2 /NDF: 358540.3/17

+ sign 90.727 $\pm$ 0.014 χ^2 /NDF: 1076491.0/36

All: 91.010 $\pm$ 0.010 χ^2 /NDF: 2205727.4/73

- sign 91.306 $\pm$ 0.014 χ^2 /NDF: 1128392.3/36

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 493.632 ± 126.499 χ^2/NDF : 26.8/19

Right Out: 246.386 ± 279.451 χ^2/NDF : 15.9/18

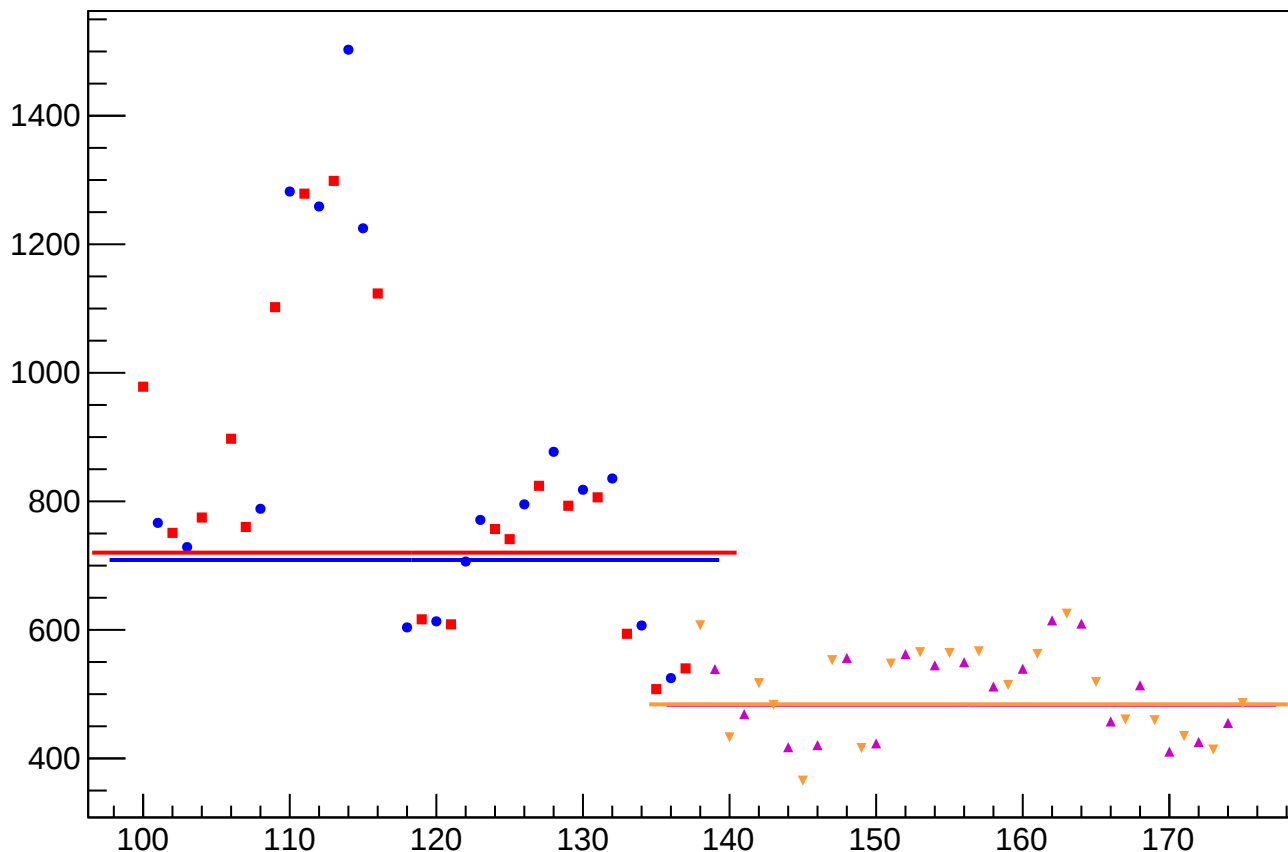
Left In: 112.517 ± 130.498 χ^2/NDF : 26.7/17

+ sign 407.148 ± 115.537 χ^2/NDF : 50.1/36

All: 274.946 ± 82.637 χ^2/NDF : 95.5/73

- sign 136.483 ± 118.241 χ^2/NDF : 42.8/36

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 484.086 $\pm$ 0.089 χ^2 /NDF: 625859.6/19

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

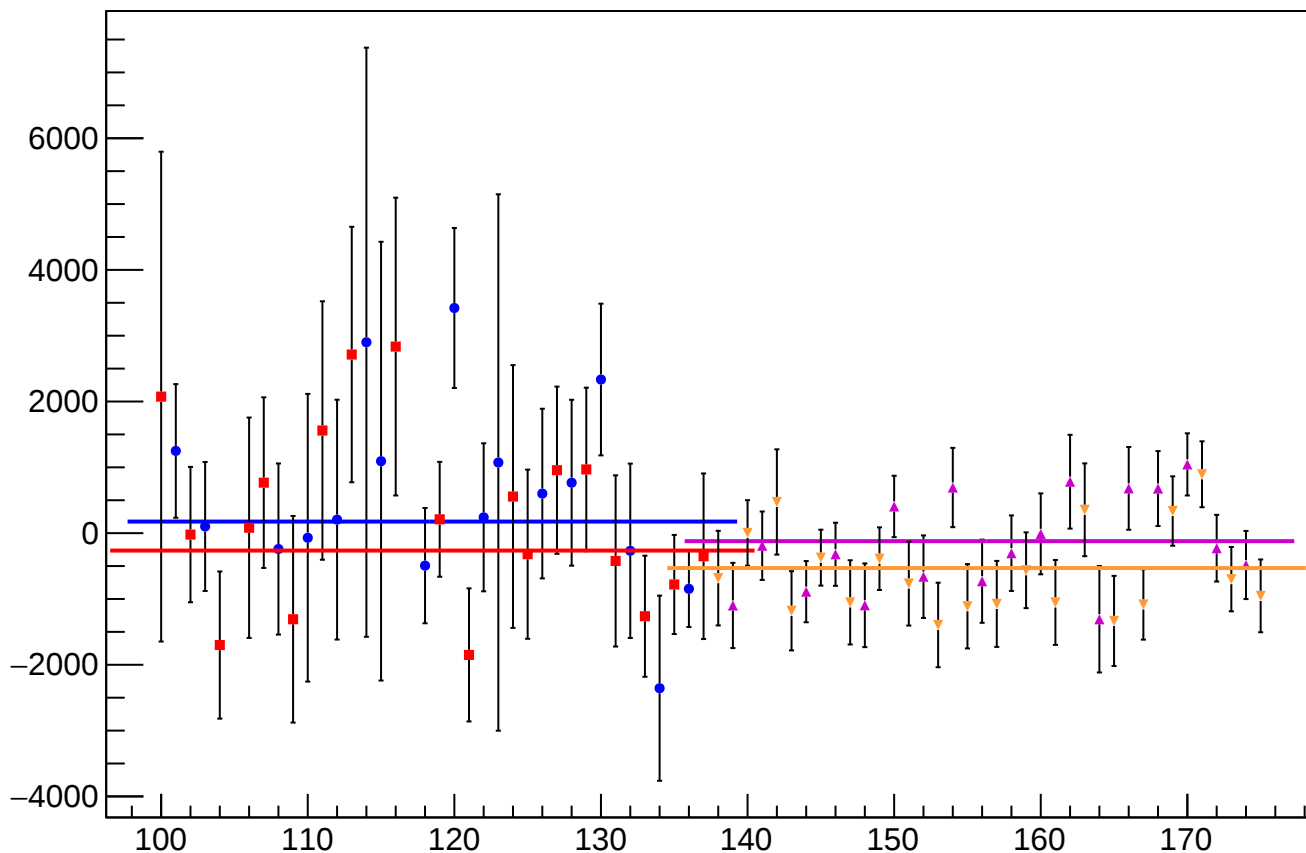
Left In: 483.241 $\pm$ 0.092 χ^2 /NDF: 466252.5/17

+ sign 521.342 $\pm$ 0.082 χ^2 /NDF: 2465685.7/36

All: 523.453 $\pm$ 0.058 χ^2 /NDF: 5013820.0/73

- sign 525.664 $\pm$ 0.084 χ^2 /NDF: 2546767.4/36

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -530.454 $\pm$ 128.608 χ^2 /NDF: 24.5/19

Right Out: -264.622 $\pm$ 283.074 χ^2 /NDF: 14.8/18

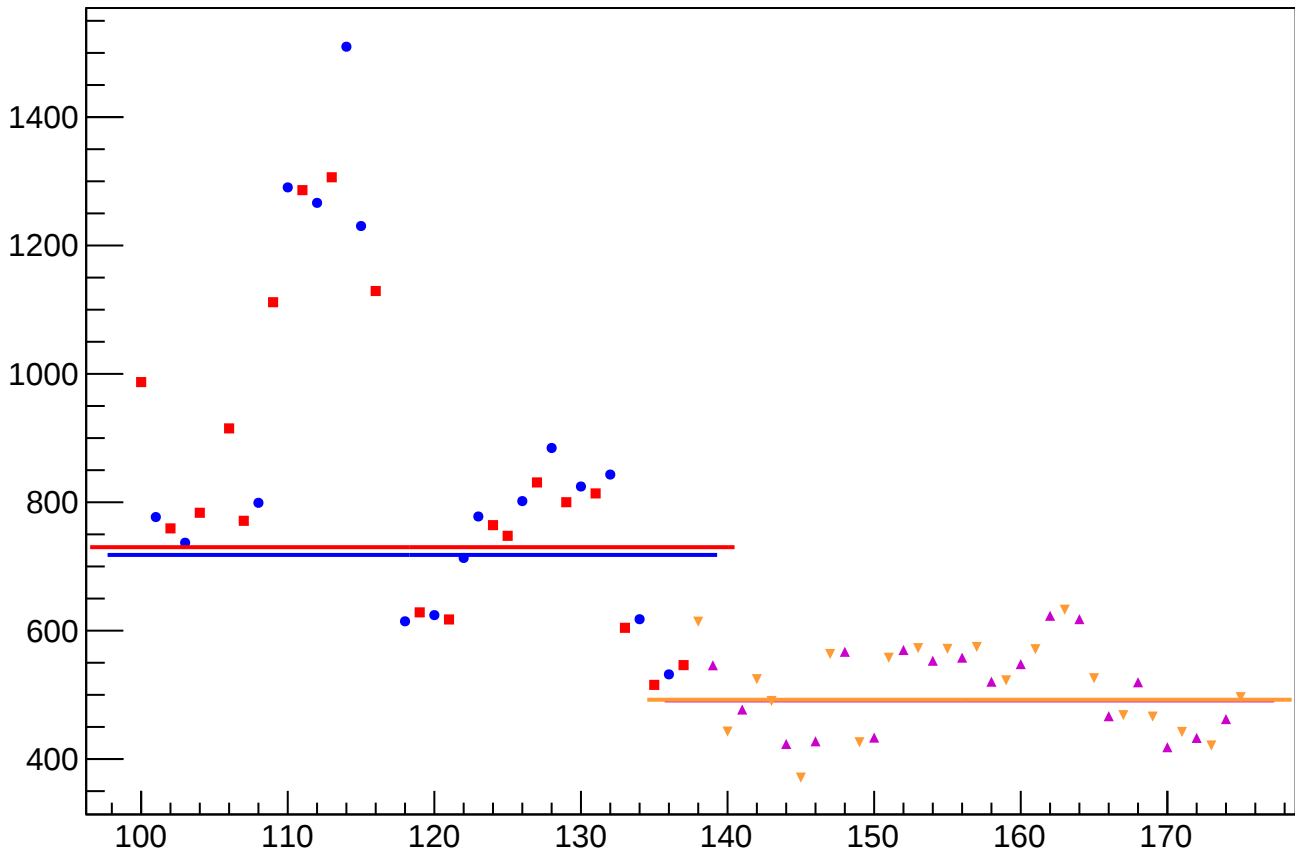
Left In: -121.539 $\pm$ 132.640 χ^2 /NDF: 26.4/17

+ sign -412.492 $\pm$ 117.378 χ^2 /NDF: 49.3/36

All: -282.943 $\pm$ 83.947 χ^2 /NDF: 93.2/73

- sign -147.298 $\pm$ 120.108 χ^2 /NDF: 41.5/36

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973 ± 0.203 χ^2/NDF : 778580.1/16

Left Out: 492.384 ± 0.091 χ^2/NDF : 612371.6/19

Right Out: 730.040 ± 0.200 χ^2/NDF : 881842.0/18

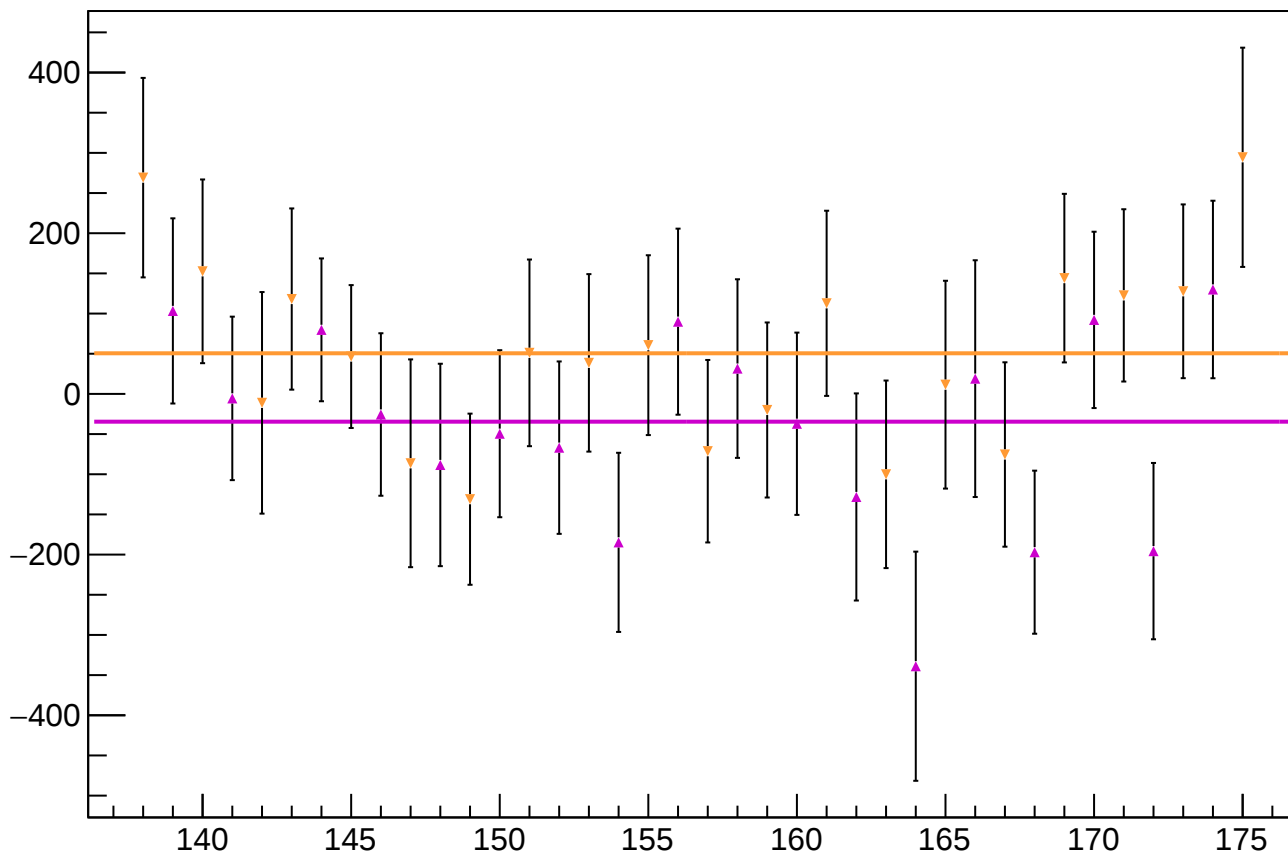
Left In: 491.327 ± 0.094 χ^2/NDF : 455739.7/17

+ sign 530.060 ± 0.083 χ^2/NDF : 2418683.7/36

All: 532.133 ± 0.059 χ^2/NDF : 4923759.4/73

- sign 534.303 ± 0.085 χ^2/NDF : 2503799.5/36

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 50.564+/-25.431 χ^2/NDF :18.3/19

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

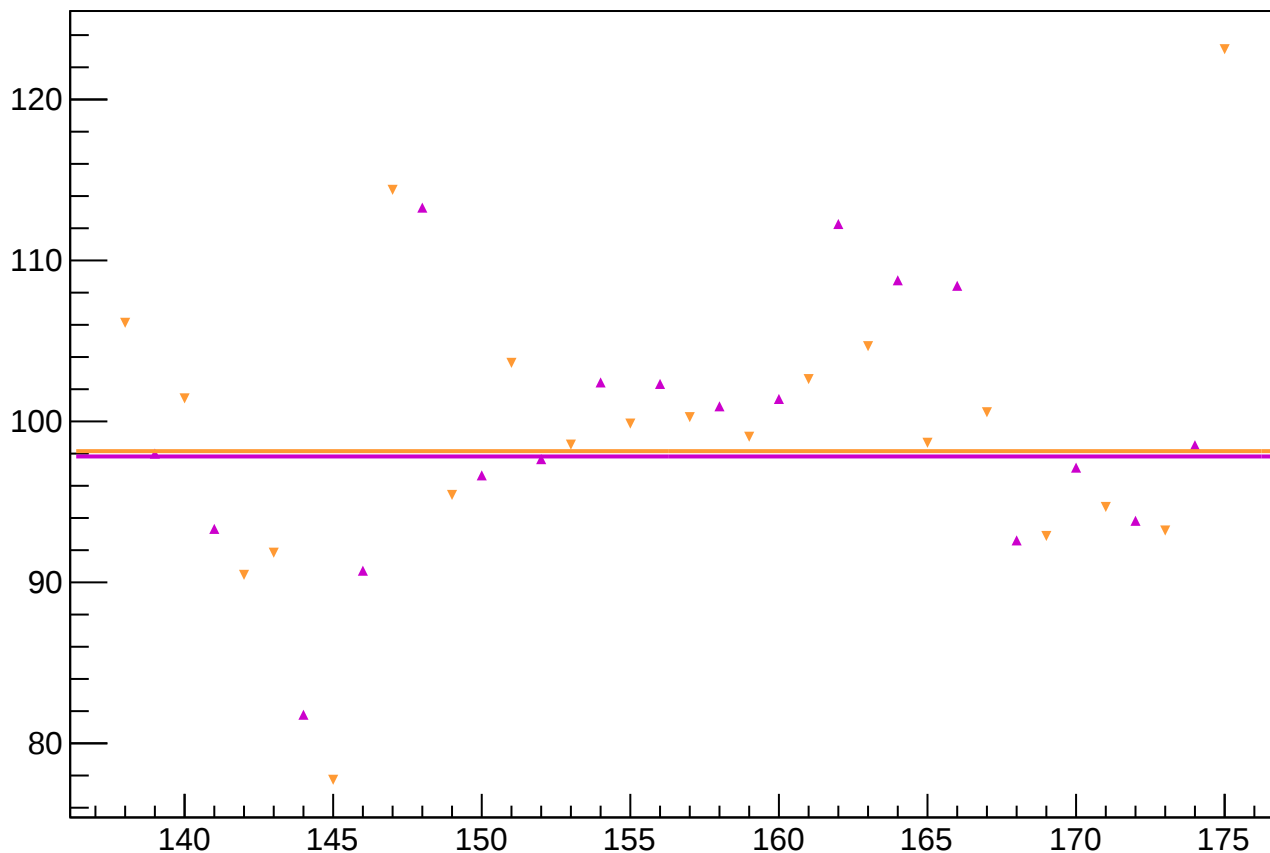
Left In: -34.568+/-26.235 χ^2/NDF :20.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 9.322+/-18.260 χ^2/NDF : 44.0/37

- 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: 98.153+/-0.018 χ^2/NDF :254883.9/19

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

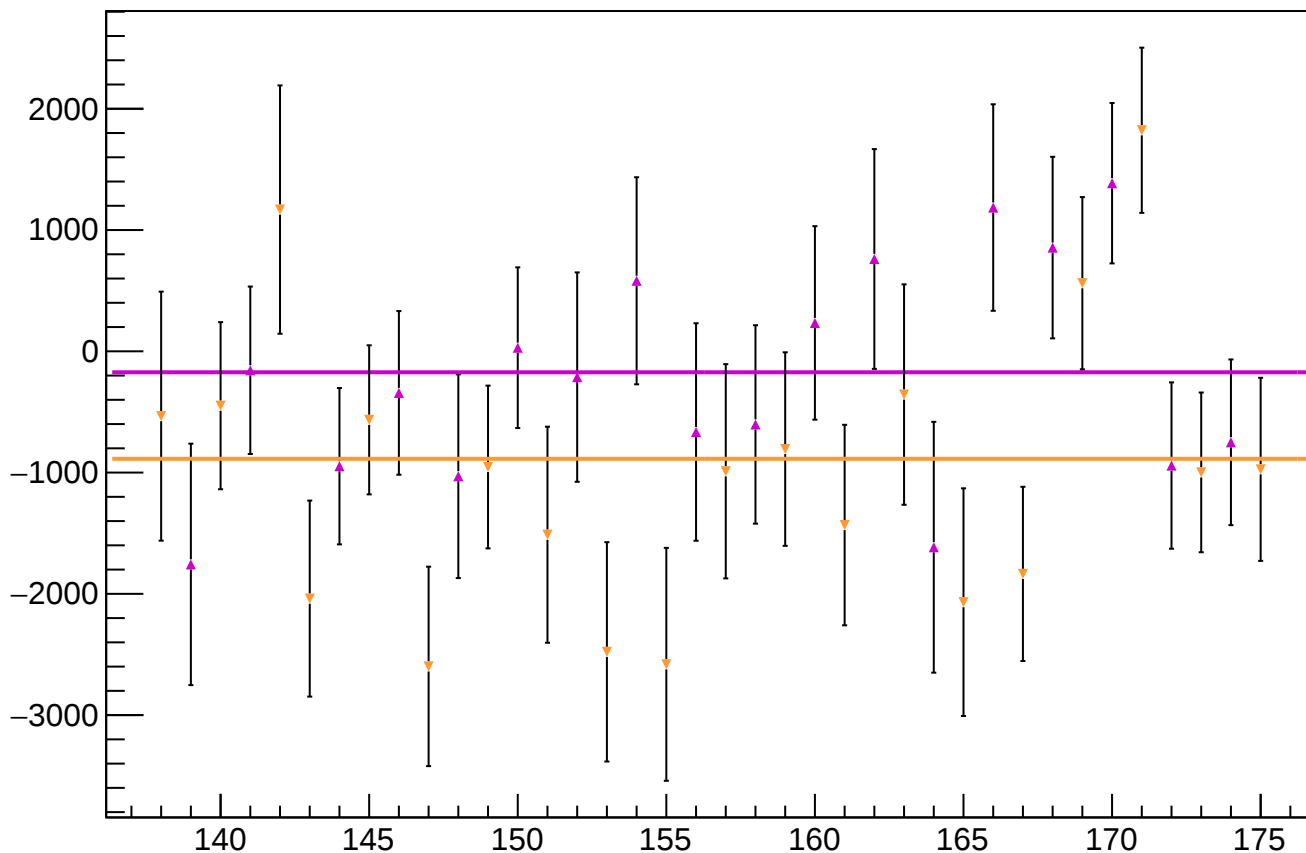
Left In: 97.822+/-0.019 χ^2/NDF :174653.5/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 97.993+/-0.013 χ^2/NDF : 429702.0/37

- 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: -886.331+/-176.088 χ^2/NDF : 42.1/19

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

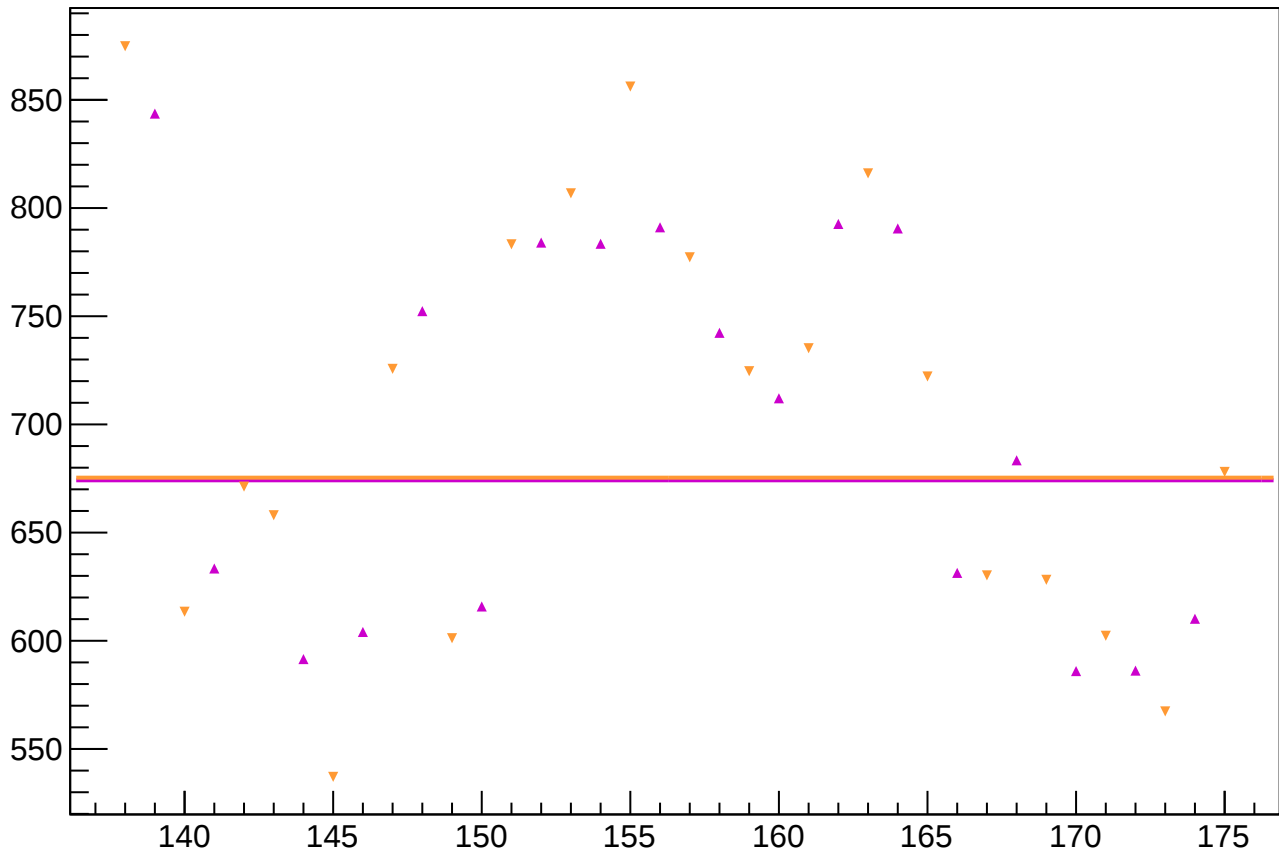
Left In: -172.866+/-181.680 χ^2/NDF : 21.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -540.746+/-126.444 χ^2/NDF : 71.8/37

- 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: 675.387+/-0.125 χ^2/NDF : 559219.0/19

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

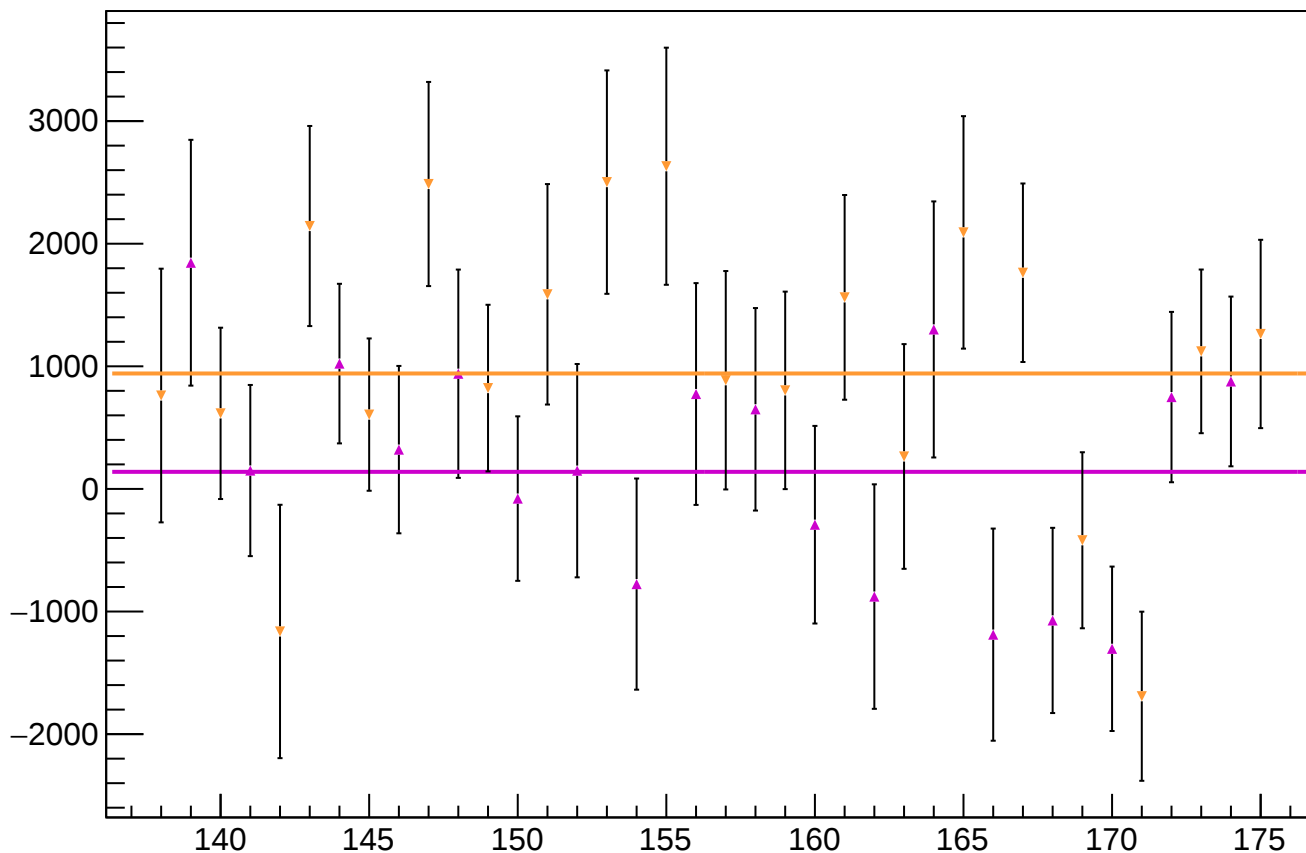
Left In: 674.175+/-0.128 χ^2/NDF : 420625.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 674.800+/-0.089 χ^2/NDF : 979890.5/37

- 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: 941.552 $\pm$ 178.057 χ^2 /NDF:39.1/19

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

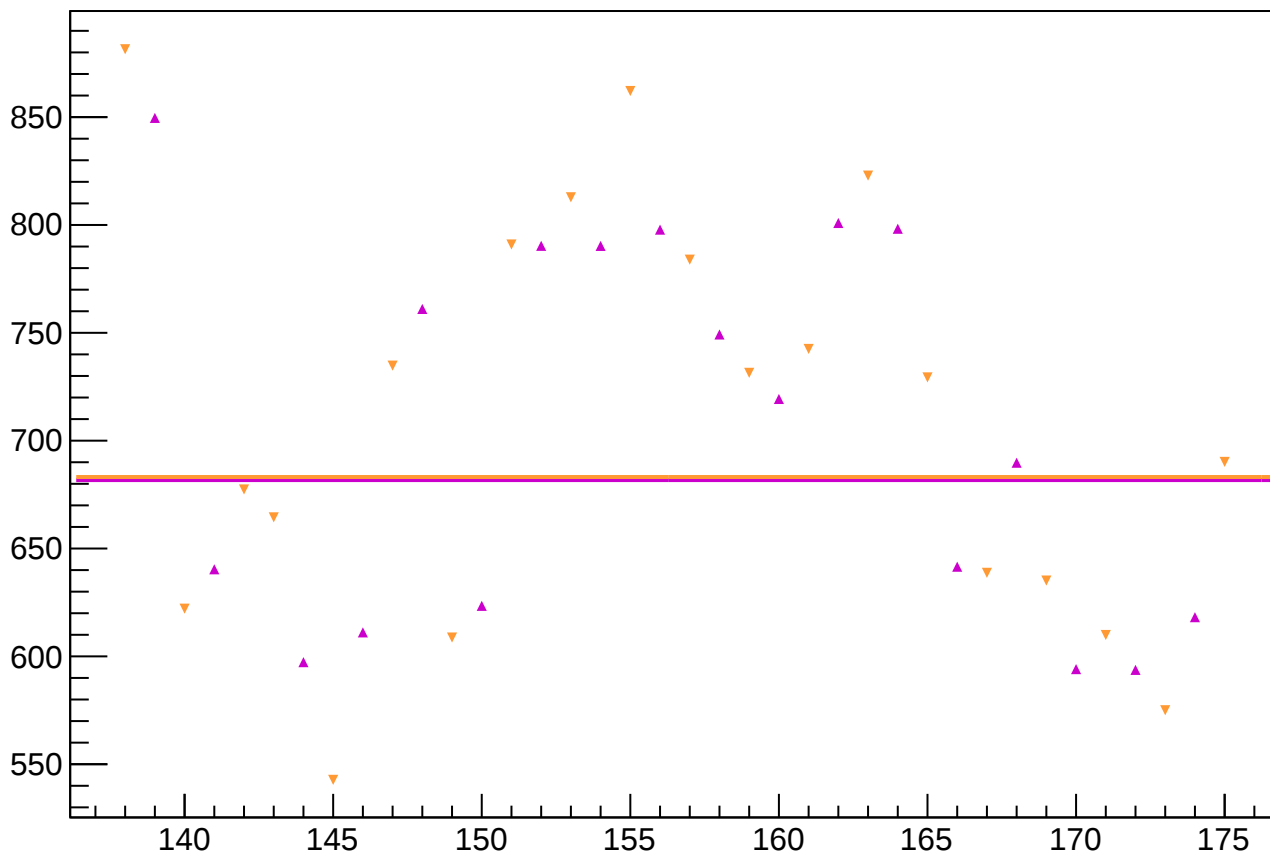
Left In: 139.321 $\pm$ 183.675 χ^2 /NDF:22.0/17

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

All: 552.891 $\pm$ 127.845 χ^2 /NDF: 71.0/37

- 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: 683.144+/-0.126 χ^2/NDF : 547247.4/19

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

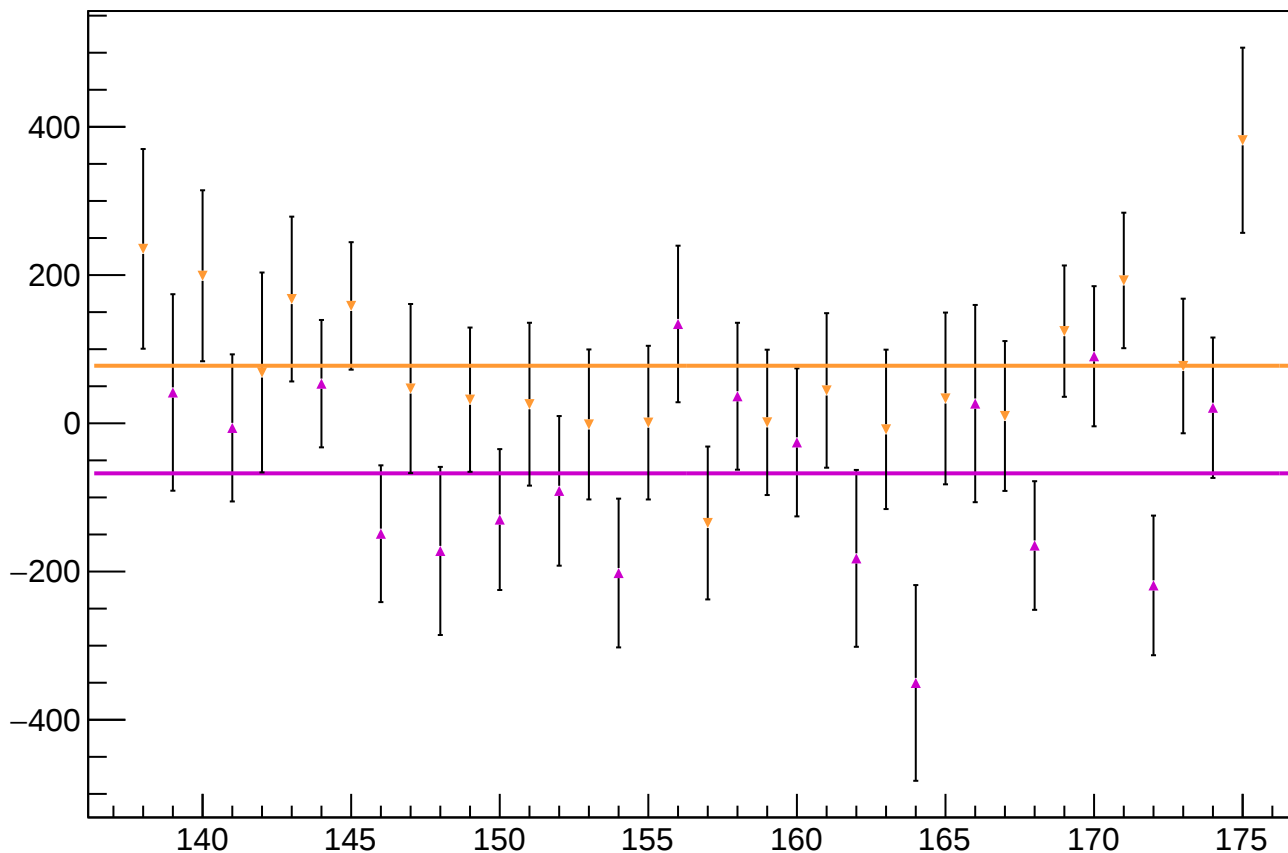
Left In: 681.734+/-0.130 χ^2/NDF : 410804.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 682.461+/-0.090 χ^2/NDF : 958113.1/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 77.673+/-23.321 χ^2/NDF :19.7/19

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

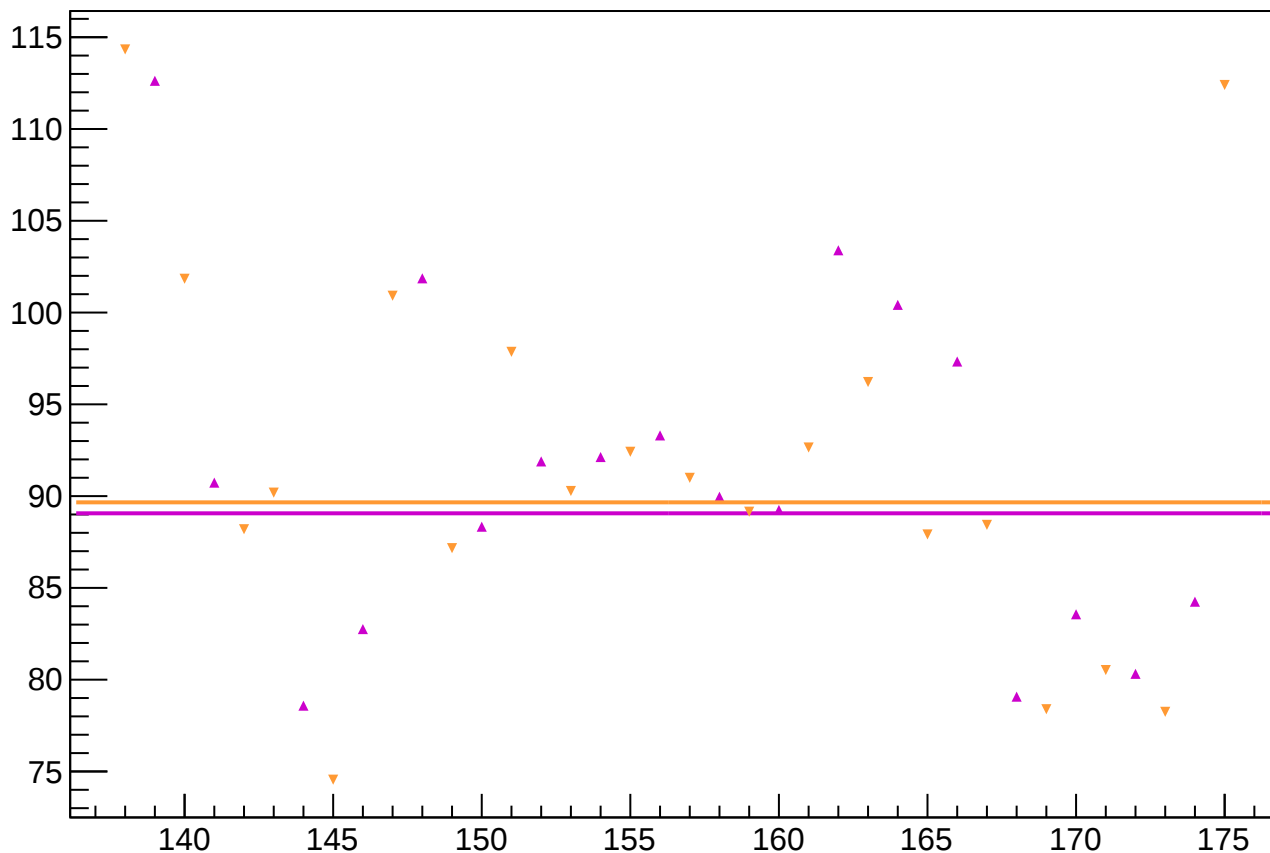
Left In: -67.503+/-23.961 χ^2/NDF :25.4/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7.049+/-16.712 χ^2/NDF : 63.9/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 89.660 $\pm$ 0.016 χ^2 /NDF:345232.1/19

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

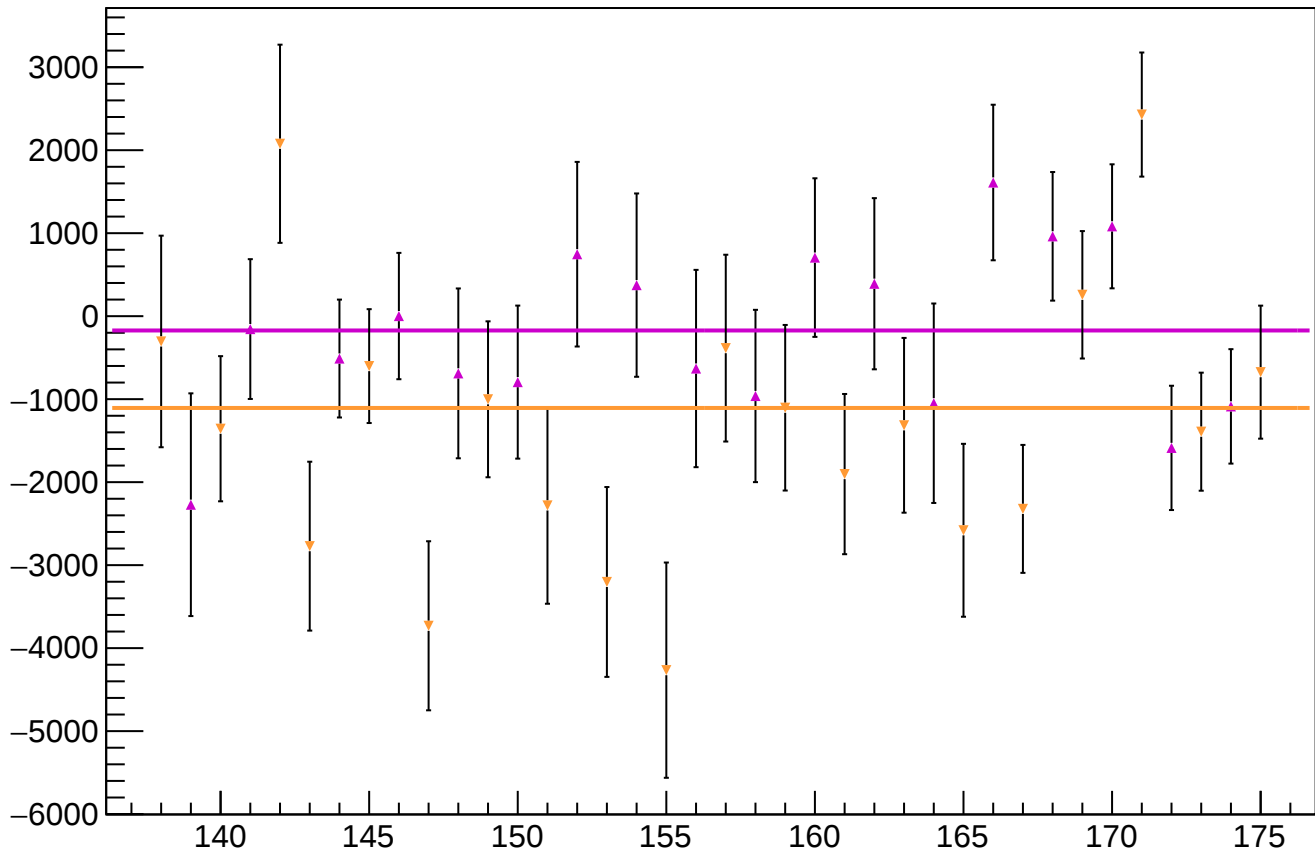
Left In: 89.063 $\pm$ 0.017 χ^2 /NDF:242317.6/17

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

All: 89.370 $\pm$ 0.012 χ^2 /NDF: 588187.9/37

- sign 0.000 $\pm$ 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: -1105.972 $\pm$ 207.277 χ^2 /NDF:59.3/19

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

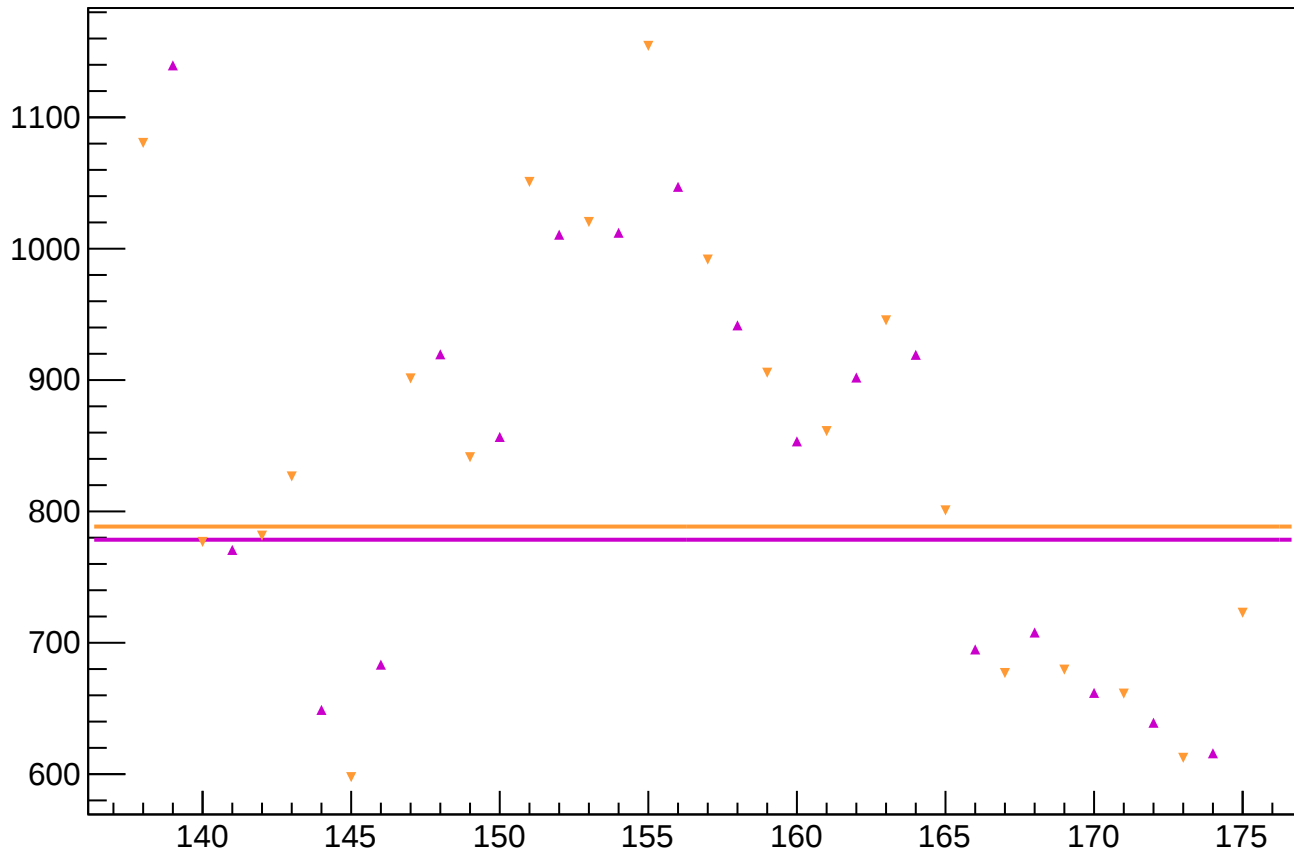
Left In: -172.307 $\pm$ 211.862 χ^2 /NDF:20.7/17

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

All: -649.351 $\pm$ 148.161 χ^2 /NDF: 89.9/37

- 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: 788.472+/-0.147 χ^2/NDF :1057892.9/19

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

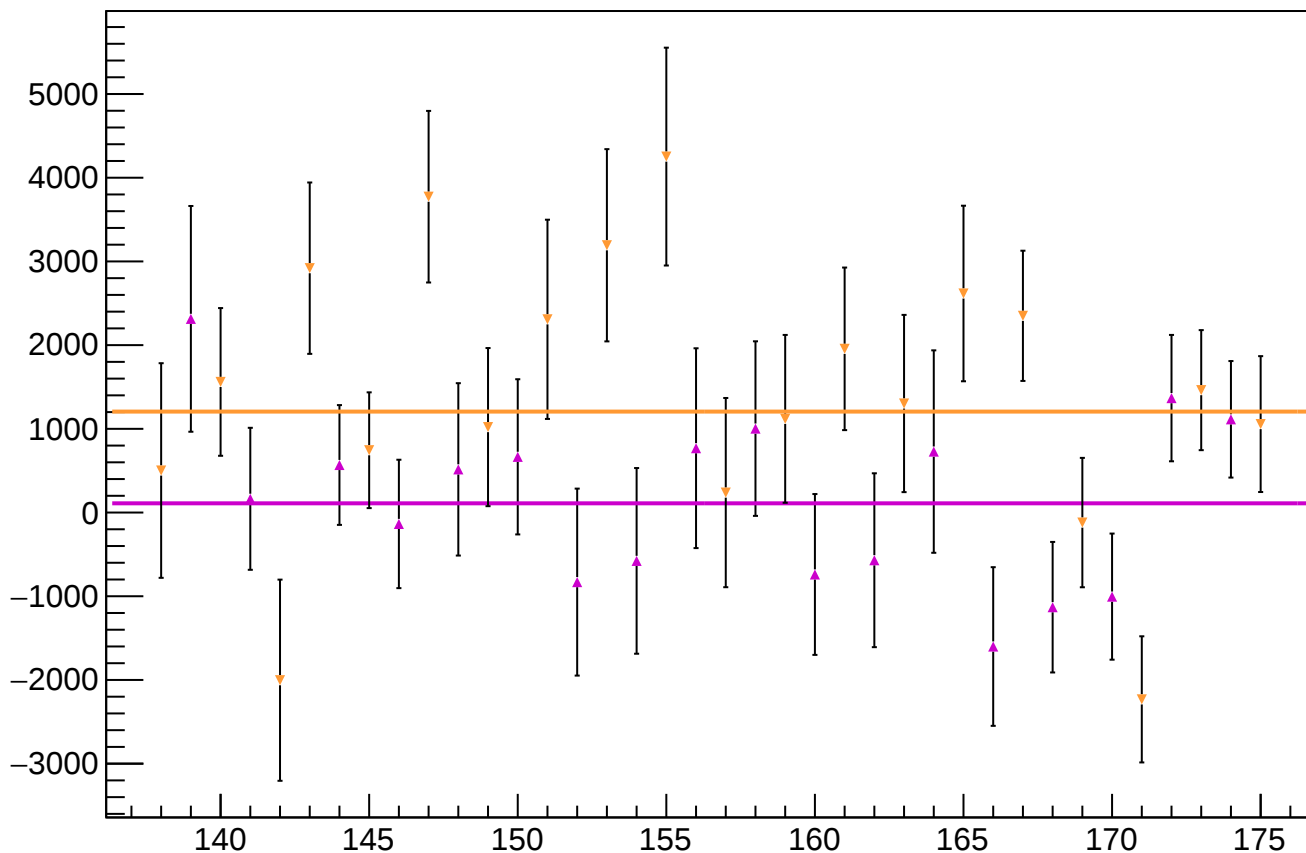
Left In: 778.453+/-0.150 χ^2/NDF :953570.5/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 783.572+/-0.105 χ^2/NDF : 2013748.6/37

- 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: 1206.089+/-208.745 χ^2/NDF : 55.7/19

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

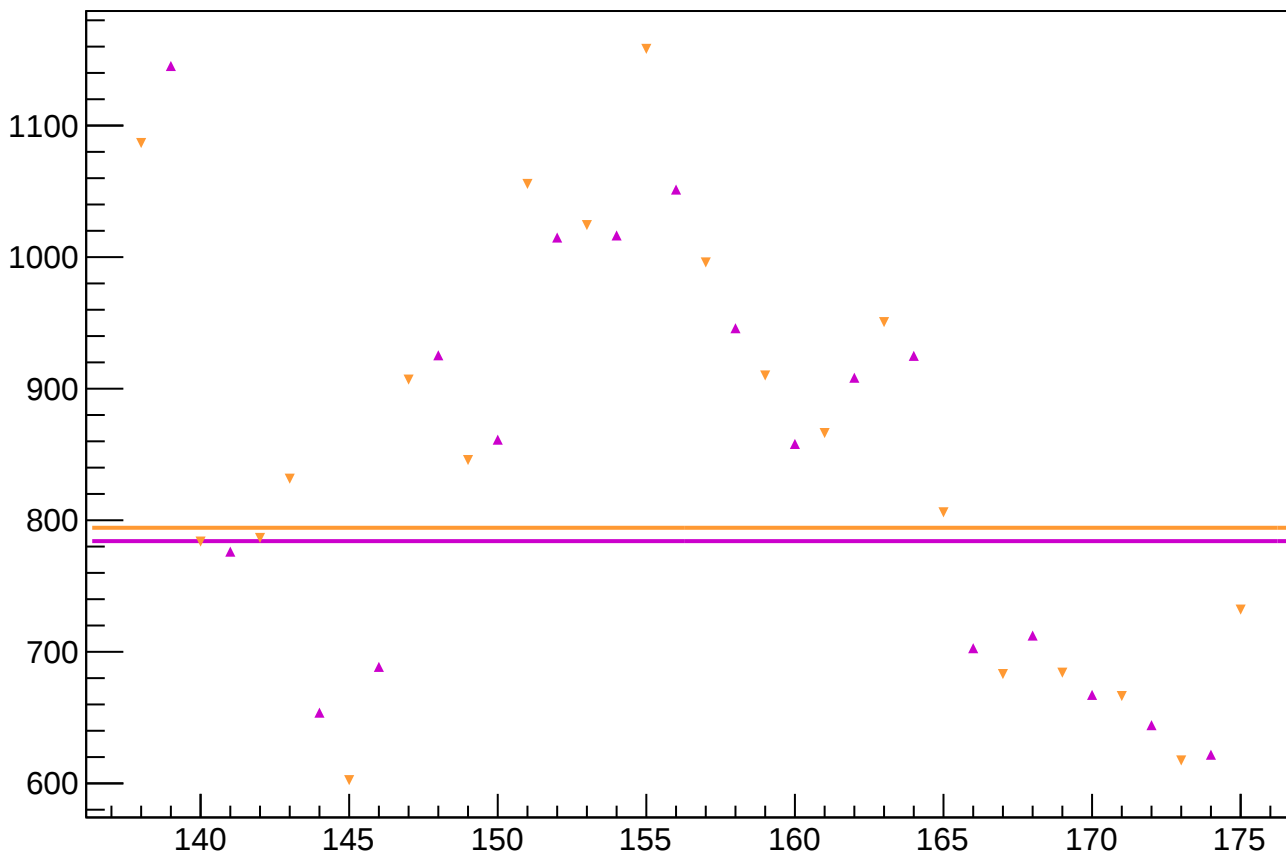
Left In: 110.155+/-213.347 χ^2/NDF : 20.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 670.071+/-149.206 χ^2/NDF : 89.3/37

- 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: 794.287+/-0.148 χ^2/NDF :1041949.1/19

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

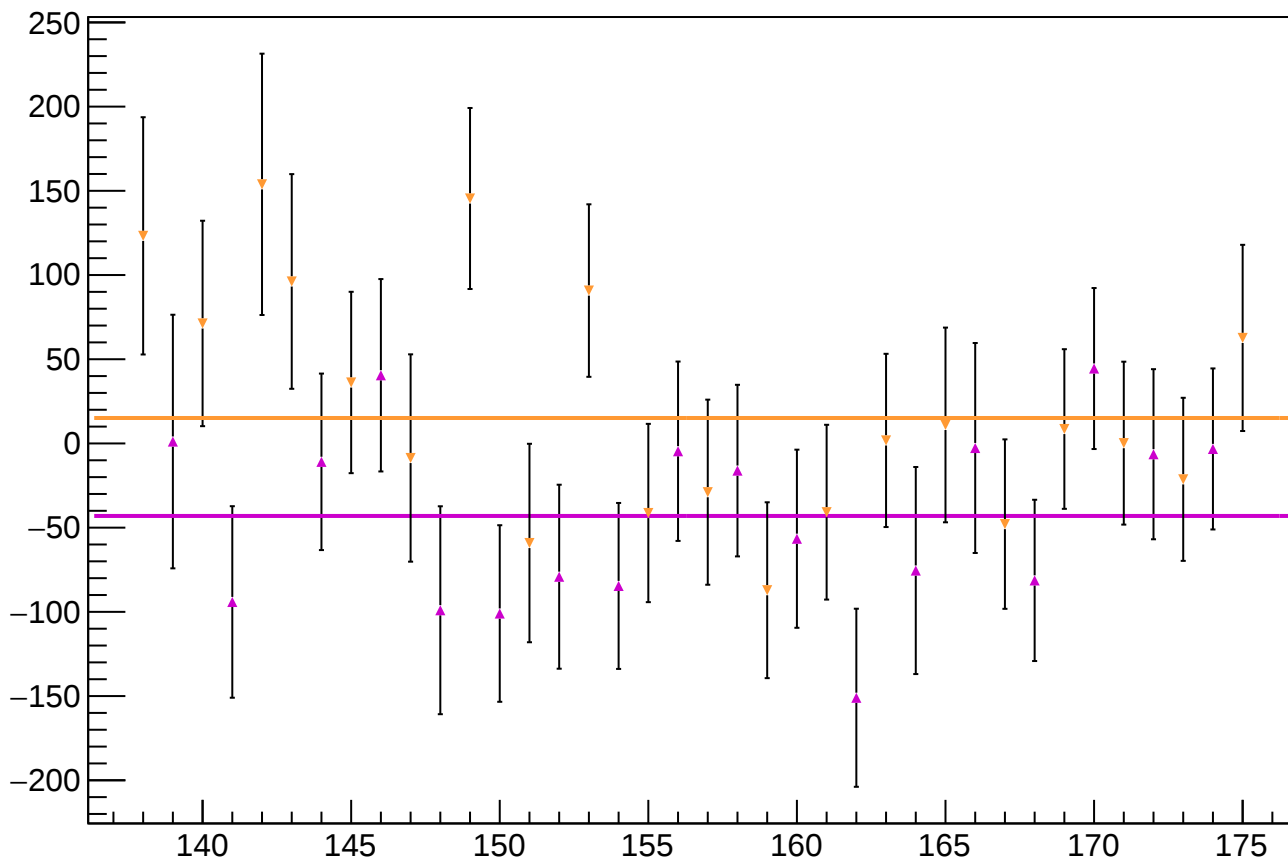
Left In: 784.135+/-0.151 χ^2/NDF :938937.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 789.322+/-0.106 χ^2/NDF : 1983200.4/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 15.113 $\pm$ 12.279 χ^2 /NDF:27.8/19

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

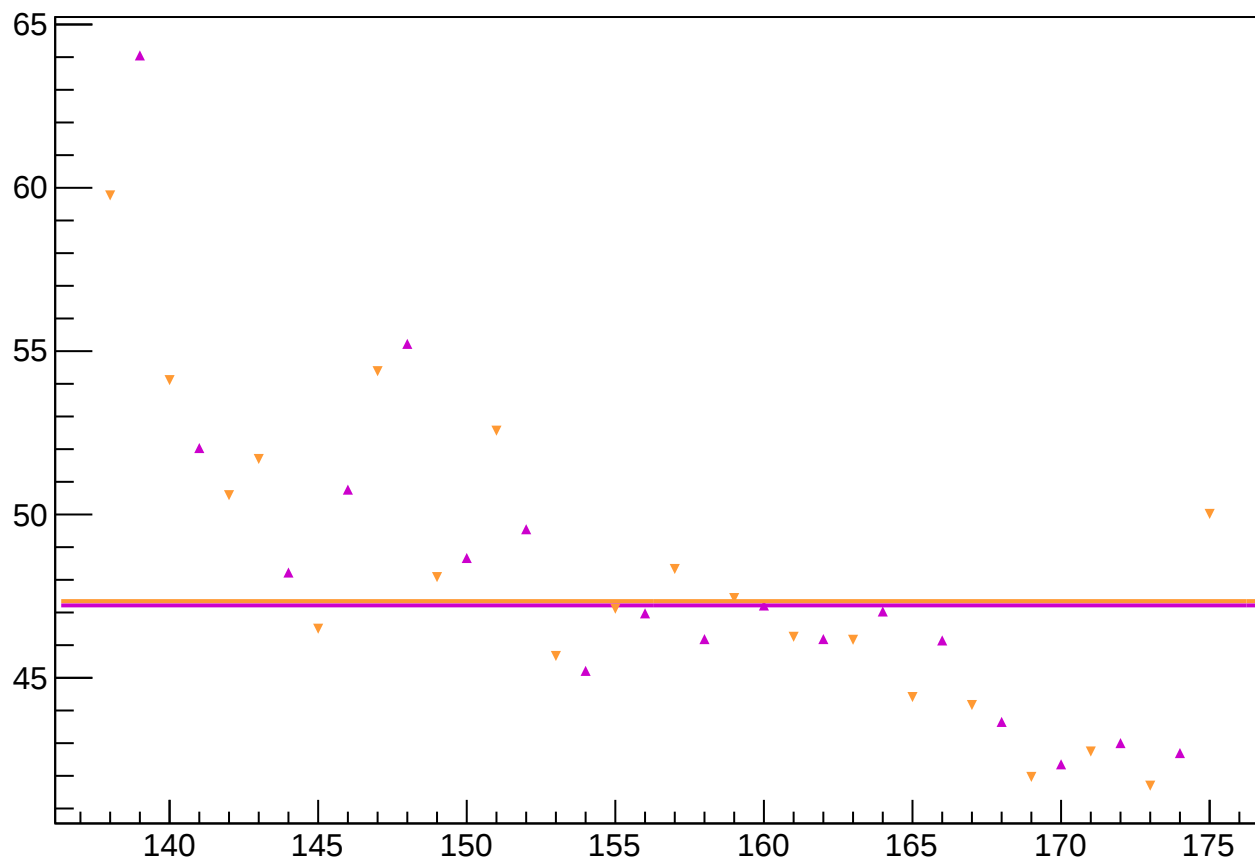
Left In: -43.052 $\pm$ 12.691 χ^2 /NDF:17.8/17

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

All: -13.010 $\pm$ 8.825 χ^2 /NDF: 56.5/37

- sign 0.000 $\pm$ 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: 47.348+/-0.009 χ^2/NDF : 236020.4/19

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

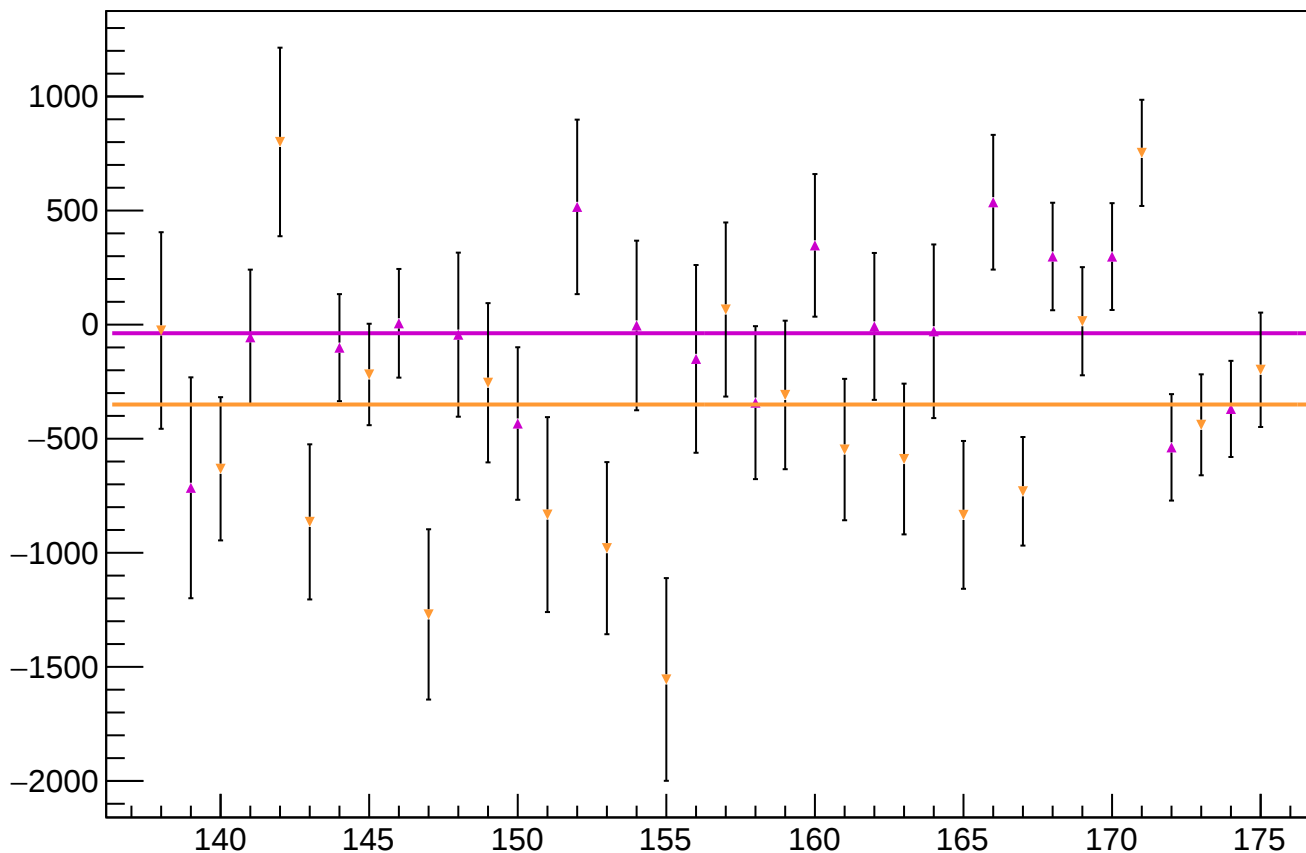
Left In: 47.218+/-0.009 χ^2/NDF : 230774.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.285+/-0.006 χ^2/NDF : 466903.6/37

- 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: -350.095+/-67.585 χ^2/NDF : 61.6/19

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

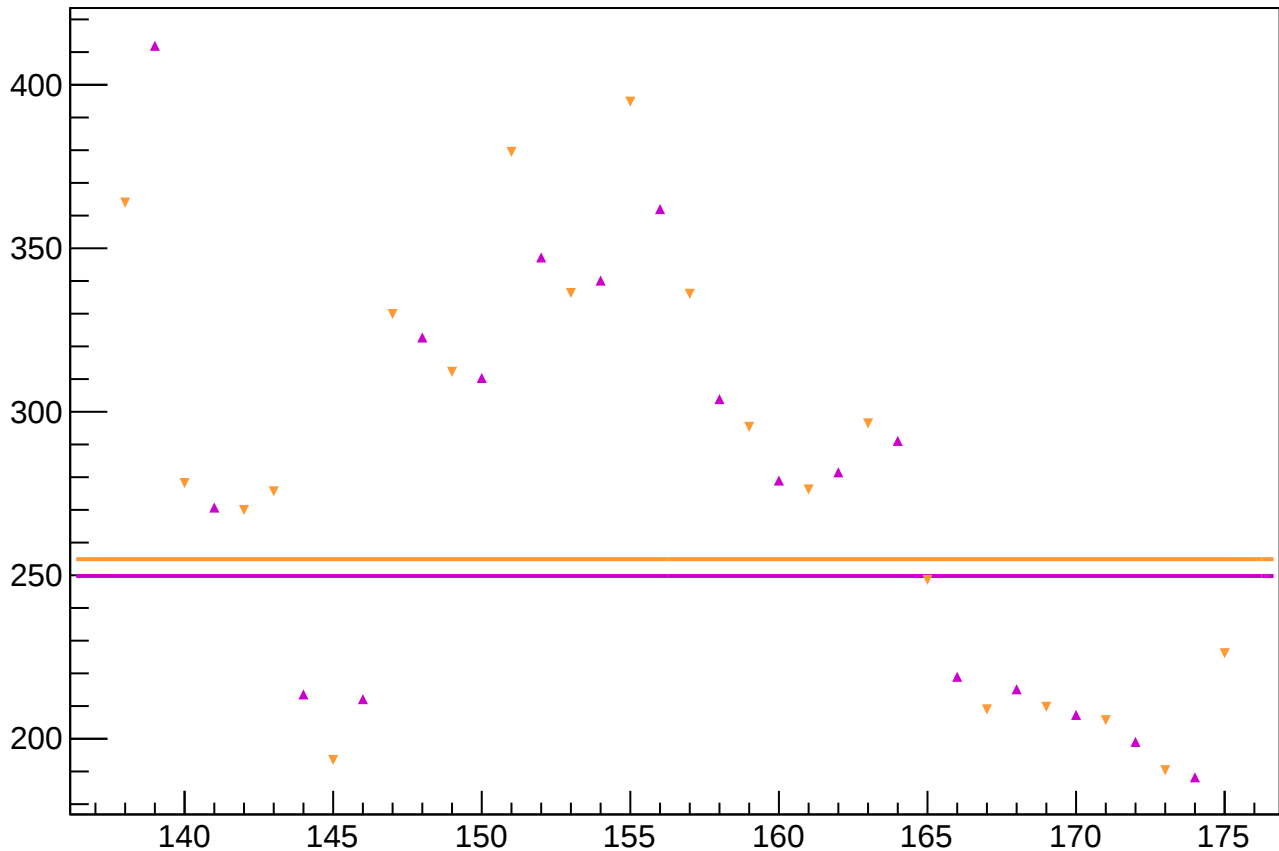
Left In: -37.682+/-68.608 χ^2/NDF : 23.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -196.236+/-48.147 χ^2/NDF : 95.1/37

- 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: 254.928+/-0.048 χ^2/NDF :1494434.6/19

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

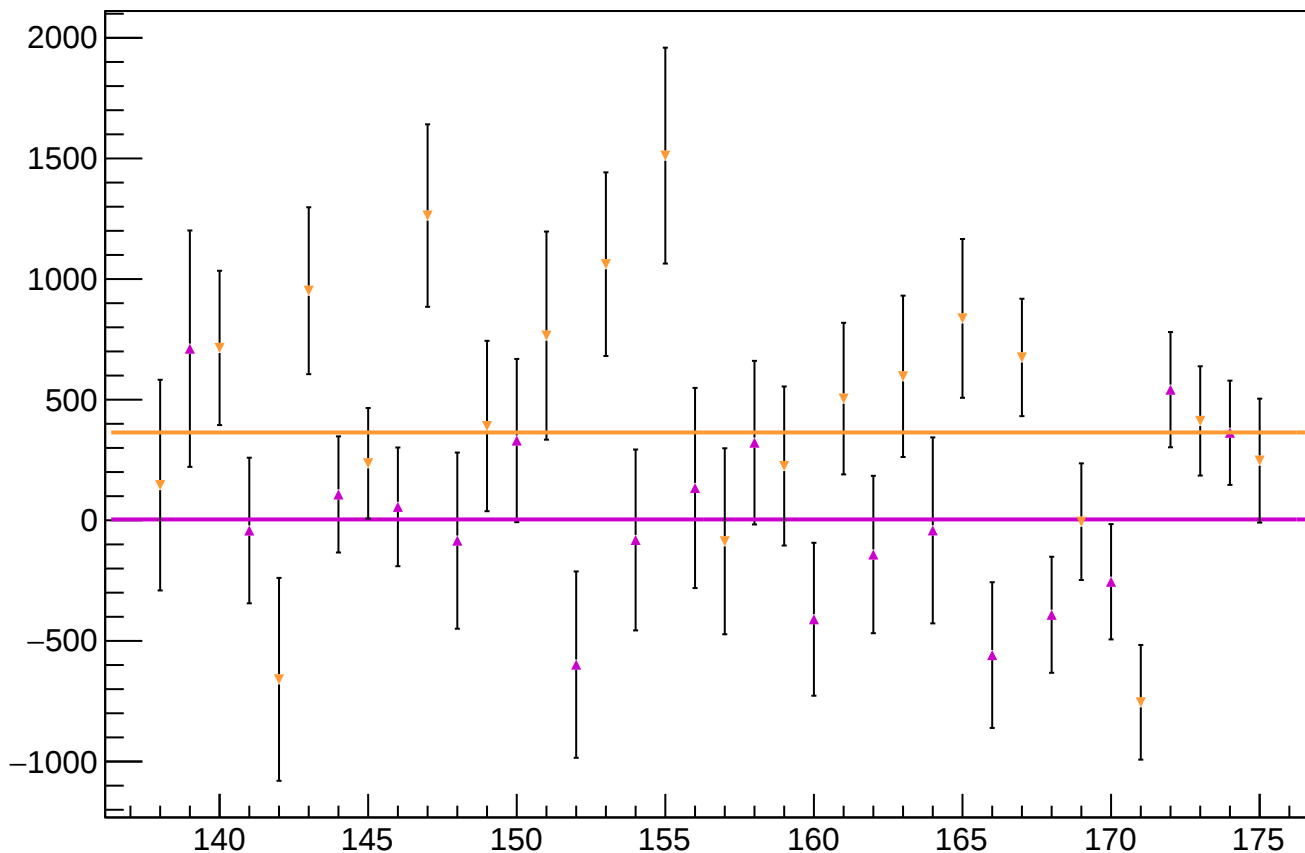
Left In: 249.769+/-0.049 χ^2/NDF :1385604.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 252.387+/-0.034 χ^2/NDF : 2885776.7/37

- 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: 364.180+/-68.856 χ^2/NDF : 57.7/19

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

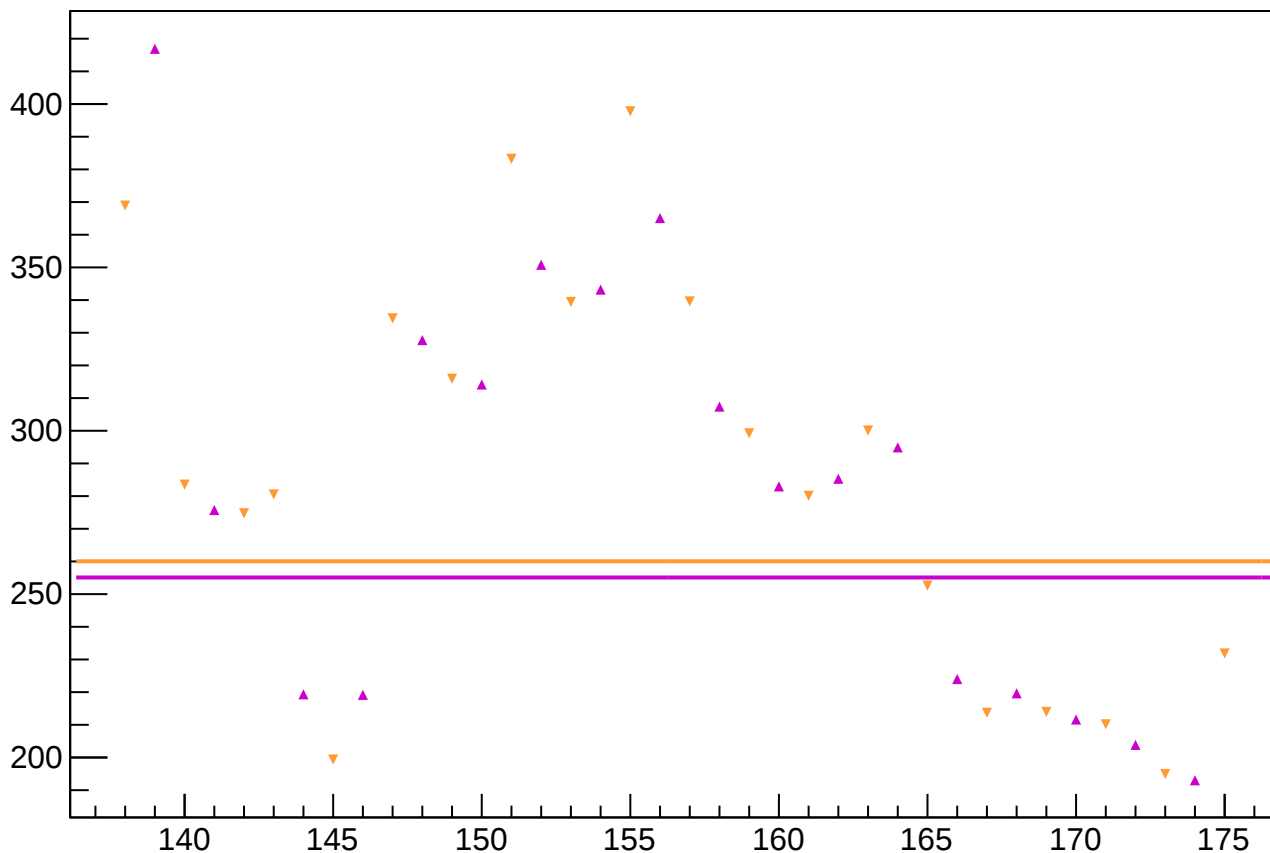
Left In: 3.546+/-69.974 χ^2/NDF : 23.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 186.766+/-49.079 χ^2/NDF : 95.1/37

- 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: 260.054+/-0.049 χ^2/NDF :1425665.1/19

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

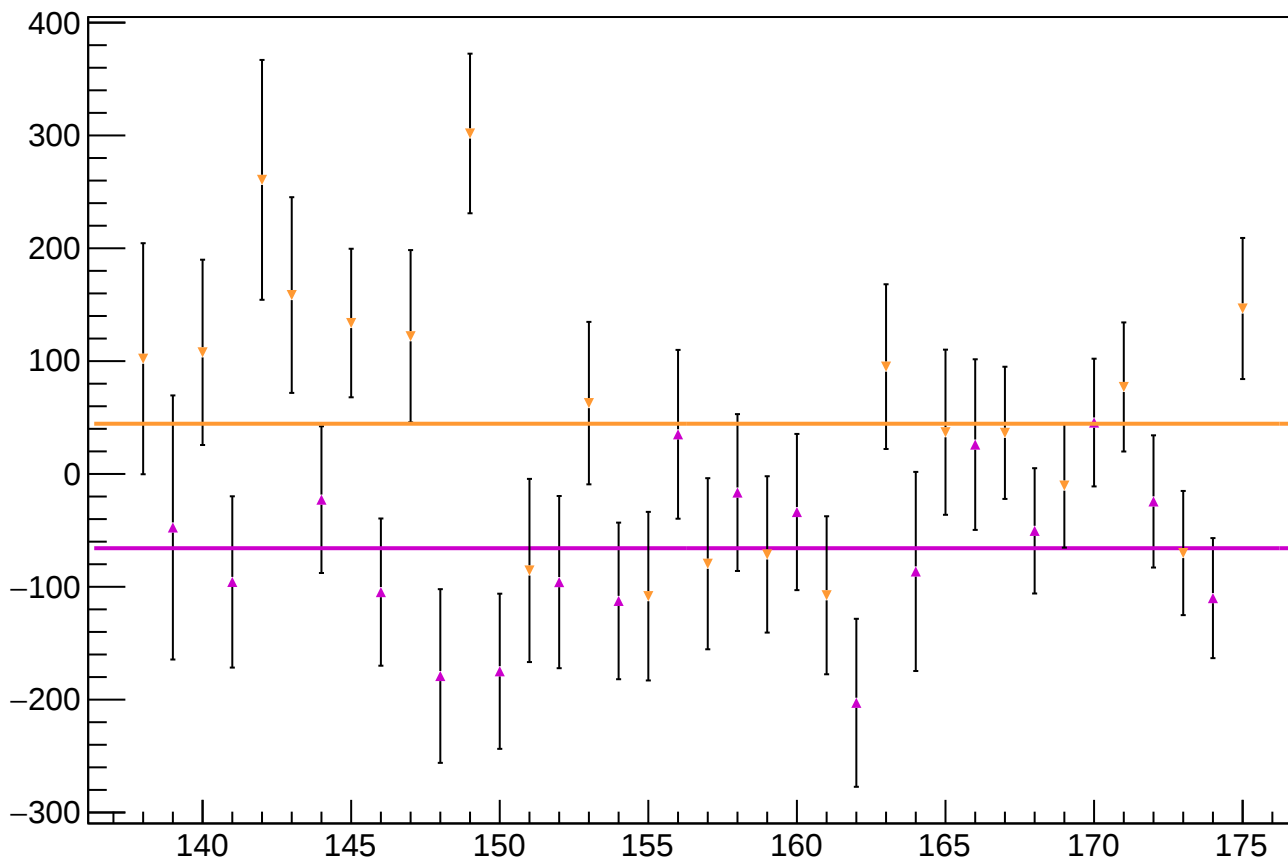
Left In: 255.093+/-0.049 χ^2/NDF :1317565.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 257.613+/-0.035 χ^2/NDF : 2748339.6/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 44.520 $\pm$ 15.683 χ^2 /NDF:48.7/19

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

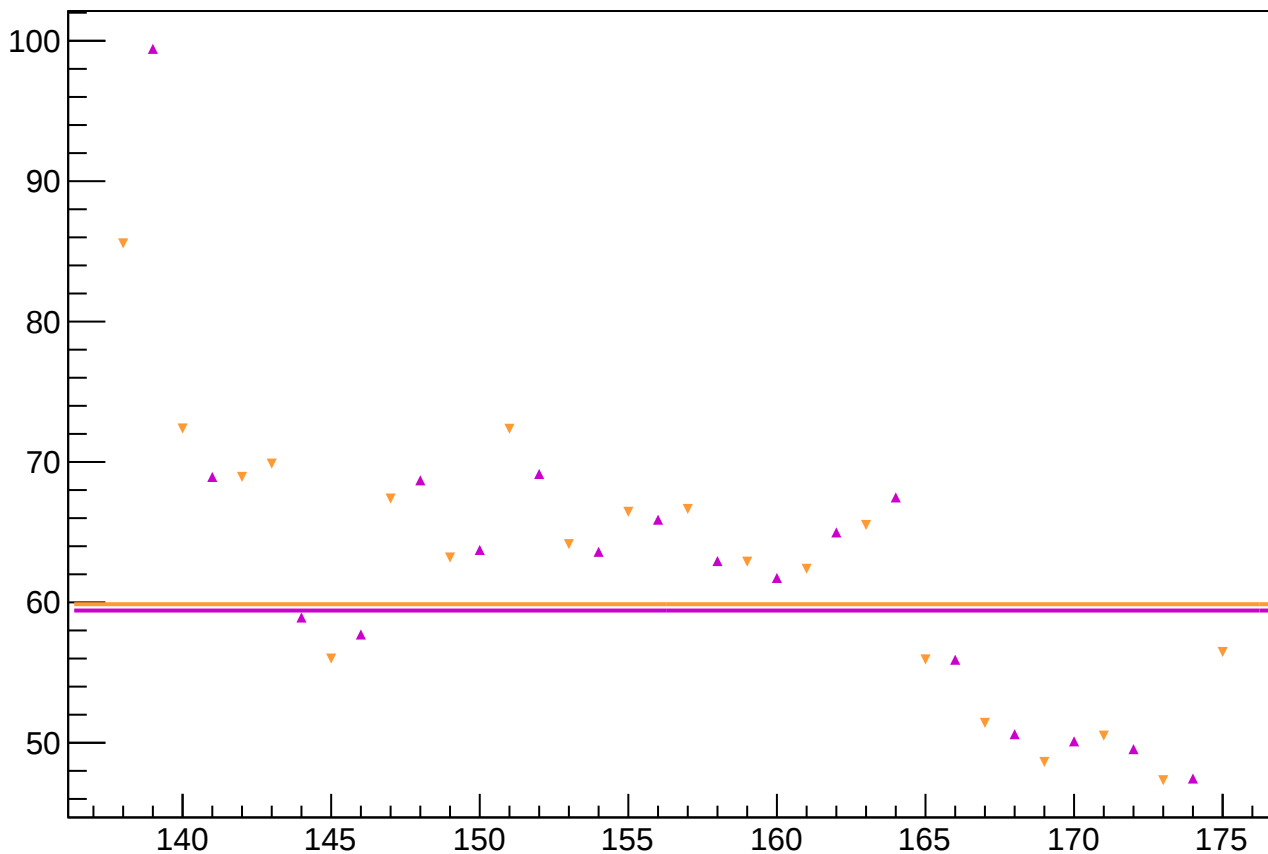
Left In: -65.800 $\pm$ 16.142 χ^2 /NDF:18.9/17

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

All: -9.047 $\pm$ 11.248 χ^2 /NDF: 91.6/37

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

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 59.870+/-0.011 χ^2/NDF : 643097.1/19

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

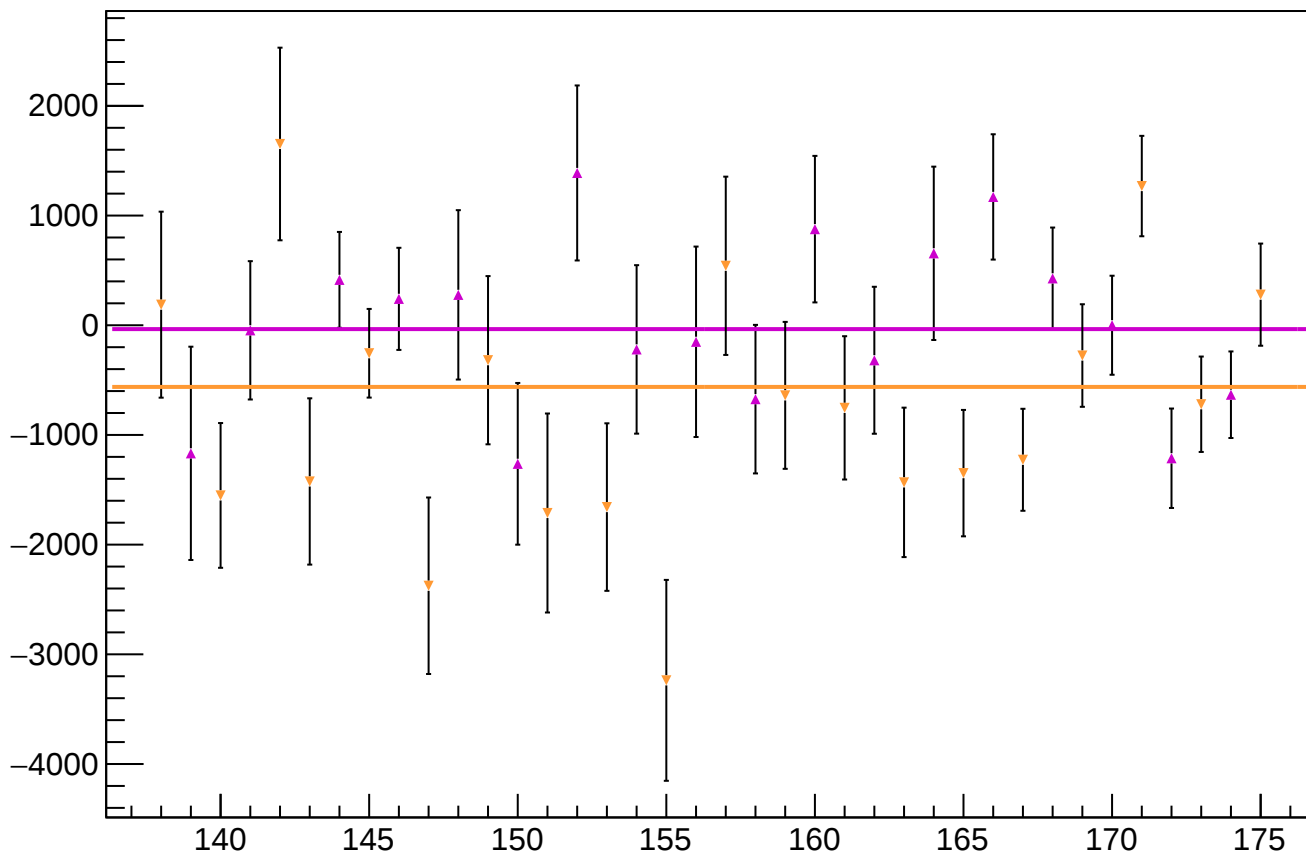
Left In: 59.419+/-0.011 χ^2/NDF : 660421.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 59.651+/-0.008 χ^2/NDF : 1304319.4/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -562.182+/-134.424 χ^2/NDF :55.9/19

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

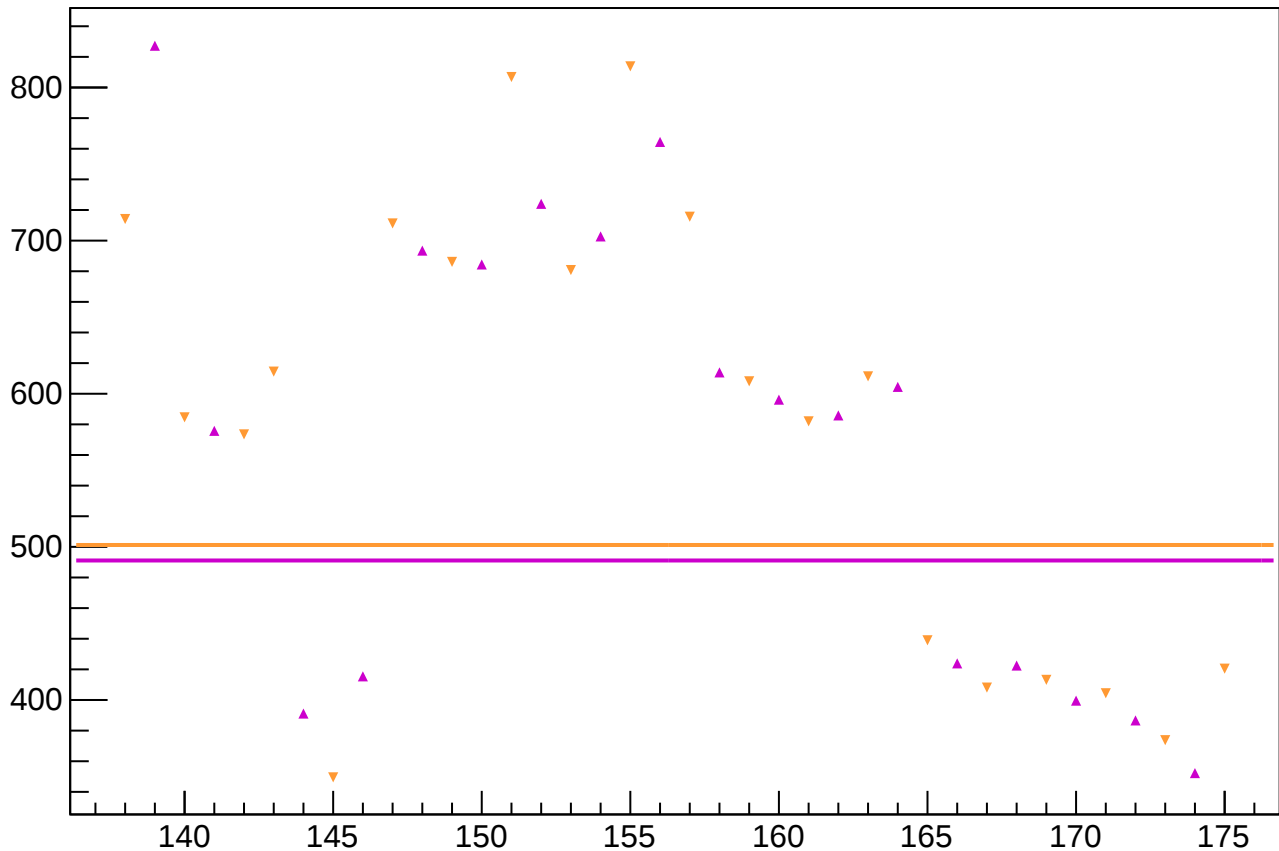
Left In: -35.121+/-136.455 χ^2/NDF :27.2/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -302.602+/-95.762 χ^2/NDF : 90.6/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 501.226+/-0.095 χ^2/NDF :2090301.0/19

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

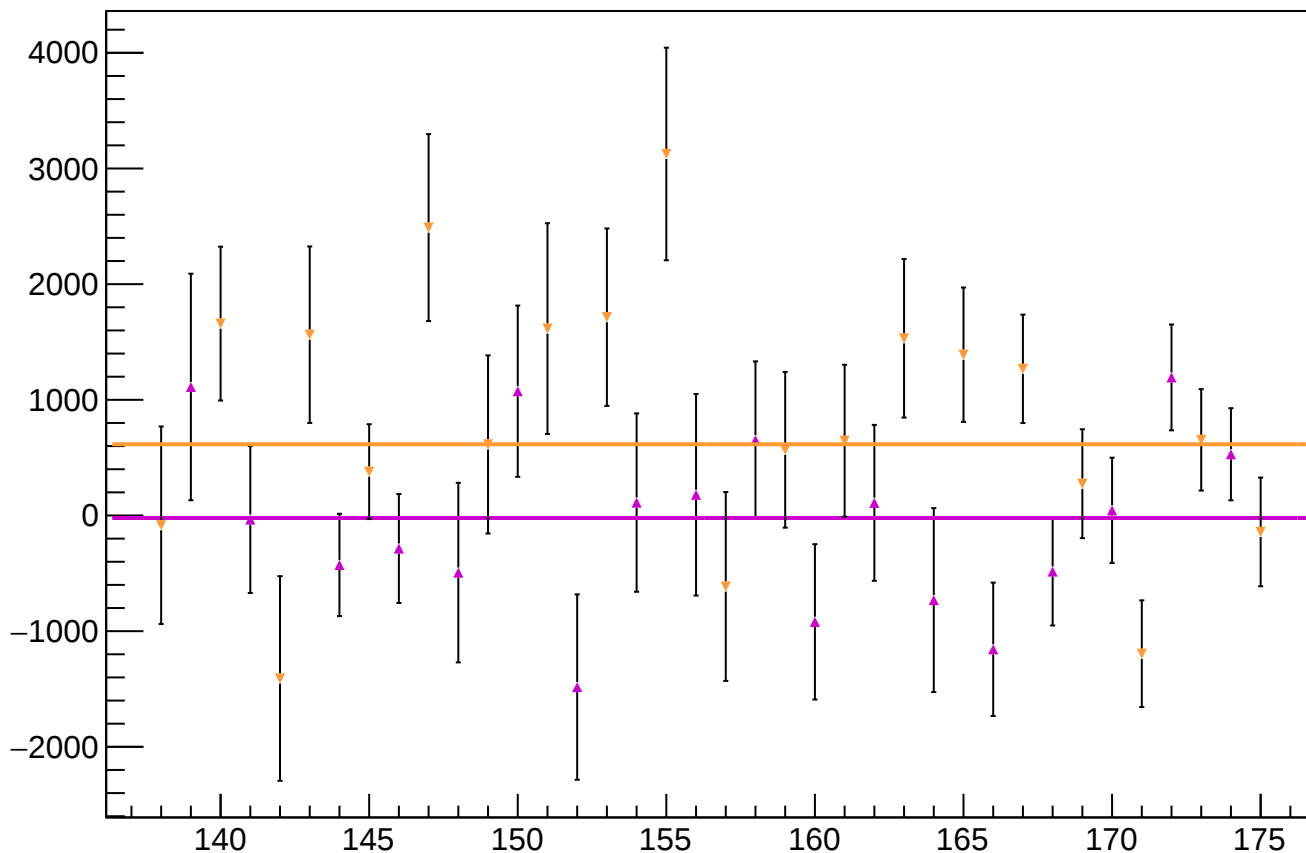
Left In: 491.107+/-0.096 χ^2/NDF :1932419.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 496.243+/-0.068 χ^2/NDF : 4028301.5/37

- 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: 615.715+/-135.466 χ^2/NDF : 52.6/19

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

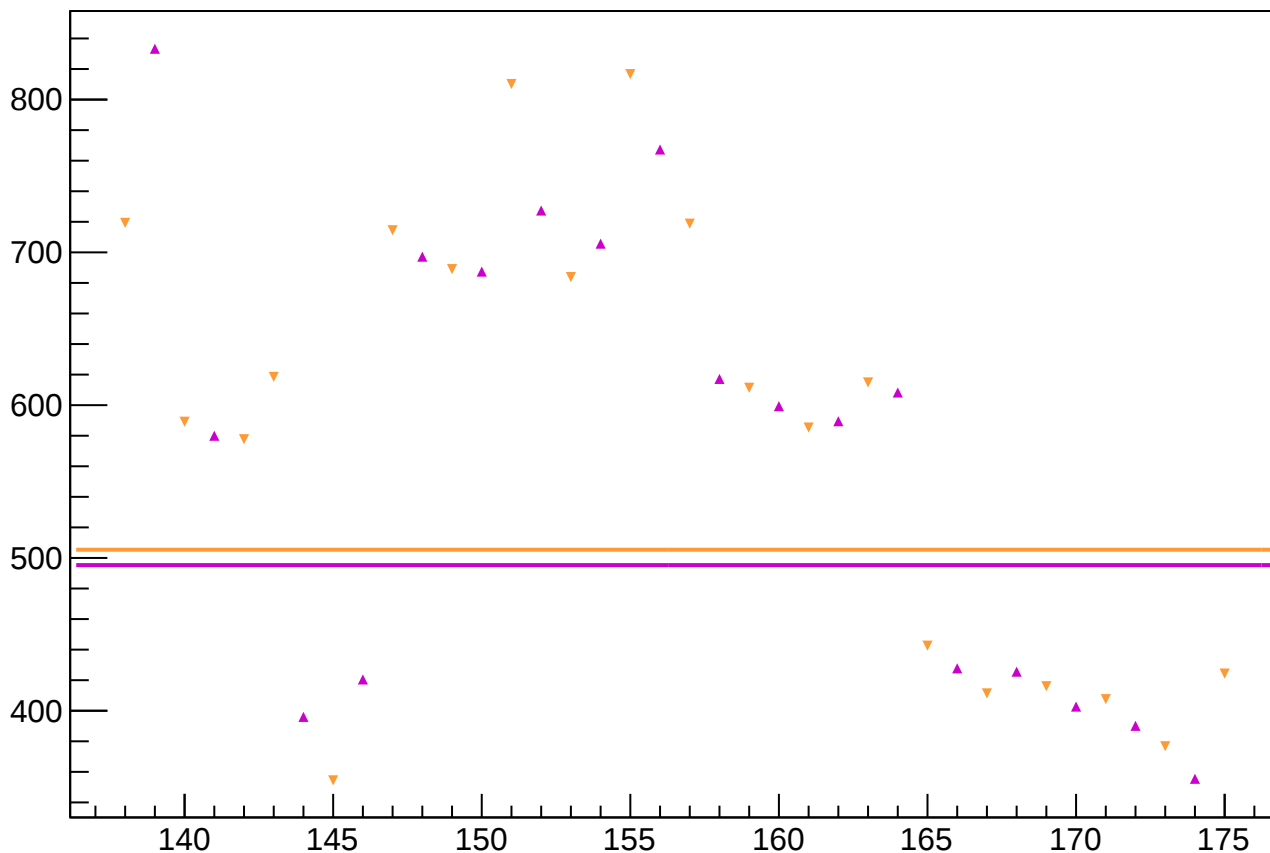
Left In: -21.515+/-137.551 χ^2/NDF : 25.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 301.966+/-96.518 χ^2/NDF : 89.5/37

- 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: 505.390+/-0.096 χ^2/NDF :2059209.0/19

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

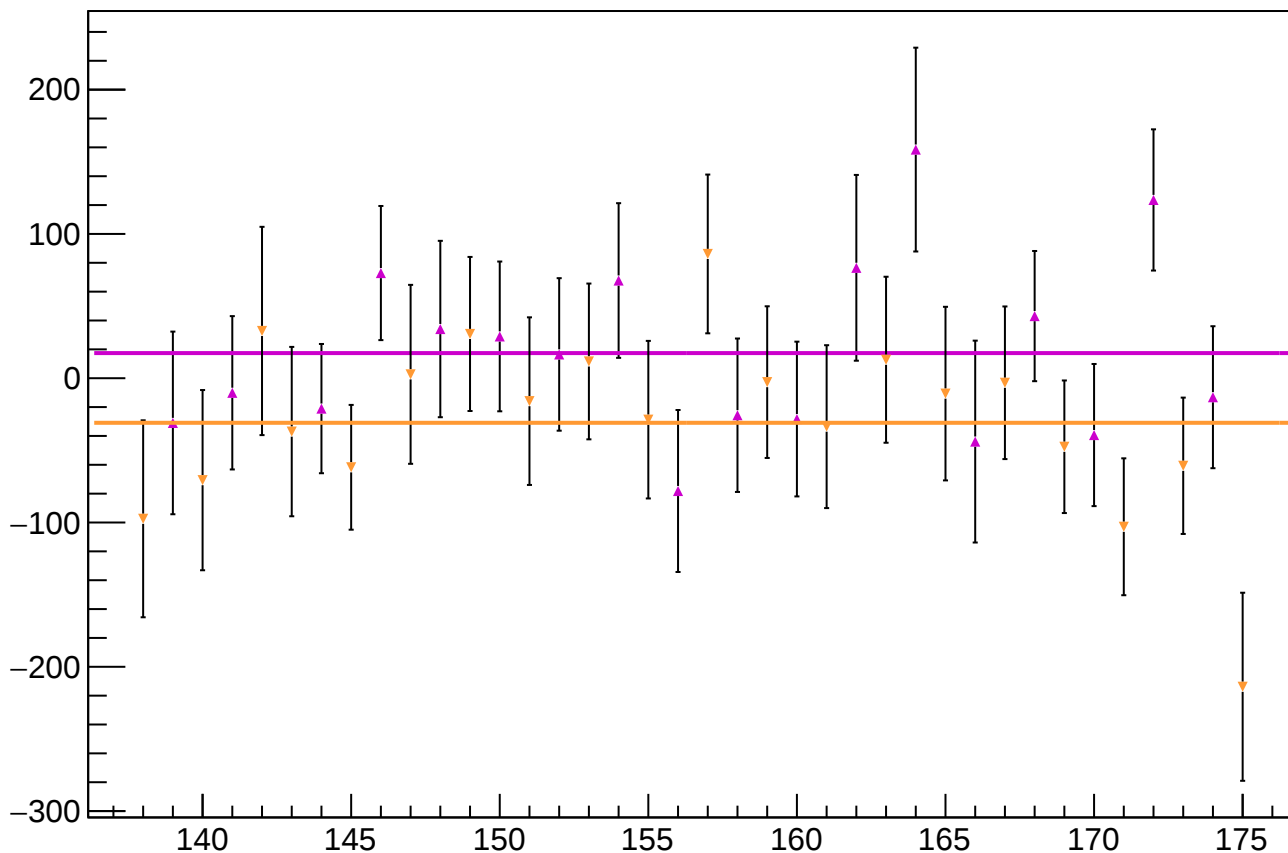
Left In: 495.324+/-0.097 χ^2/NDF :1905308.4/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 500.434+/-0.068 χ^2/NDF : 3969954.4/37

- 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: -30.894 $\pm$ 12.293 χ^2 /NDF:21.5/19

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

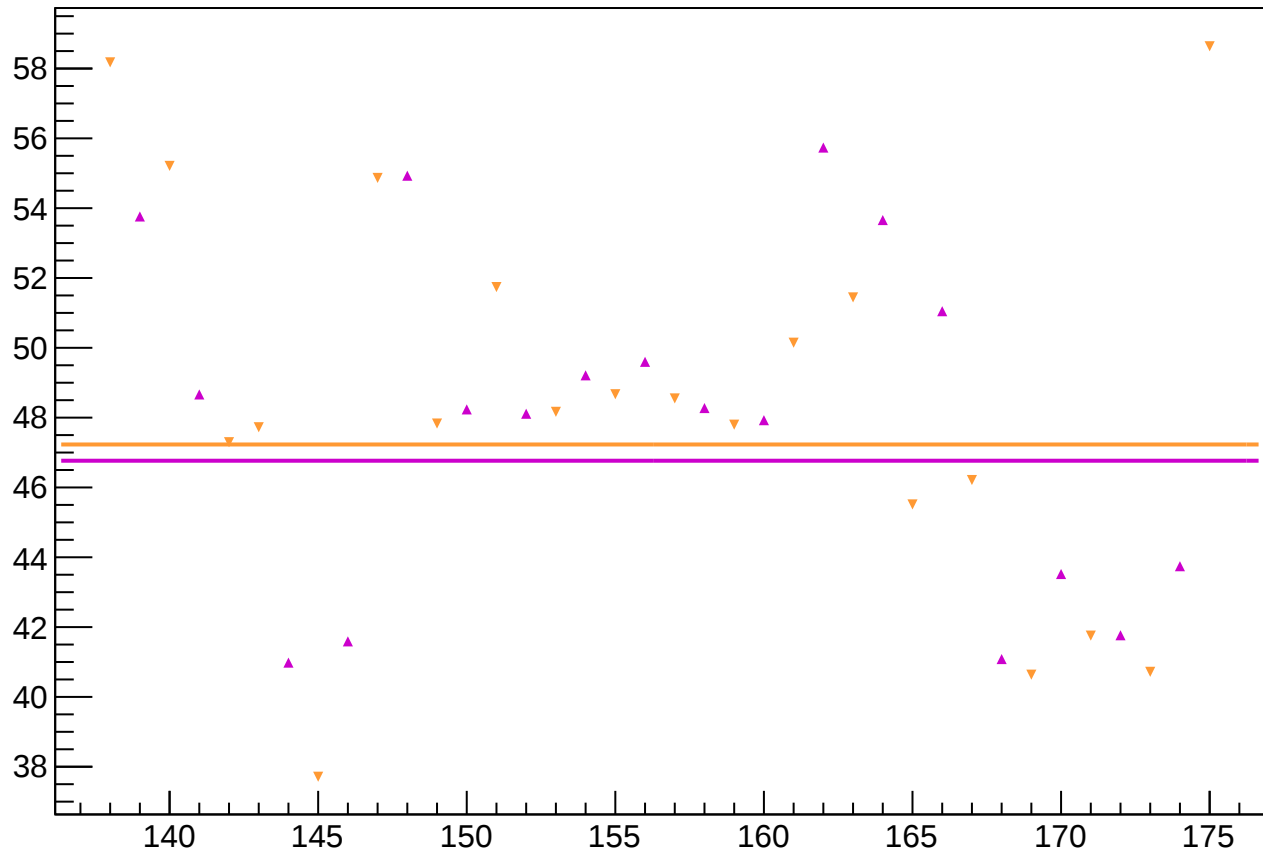
Left In: 17.418 $\pm$ 12.590 χ^2 /NDF:20.6/17

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

All: -7.315 $\pm$ 8.795 χ^2 /NDF: 49.6/37

- 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: 47.231+/-0.009 χ^2/NDF : 412661.2/19

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

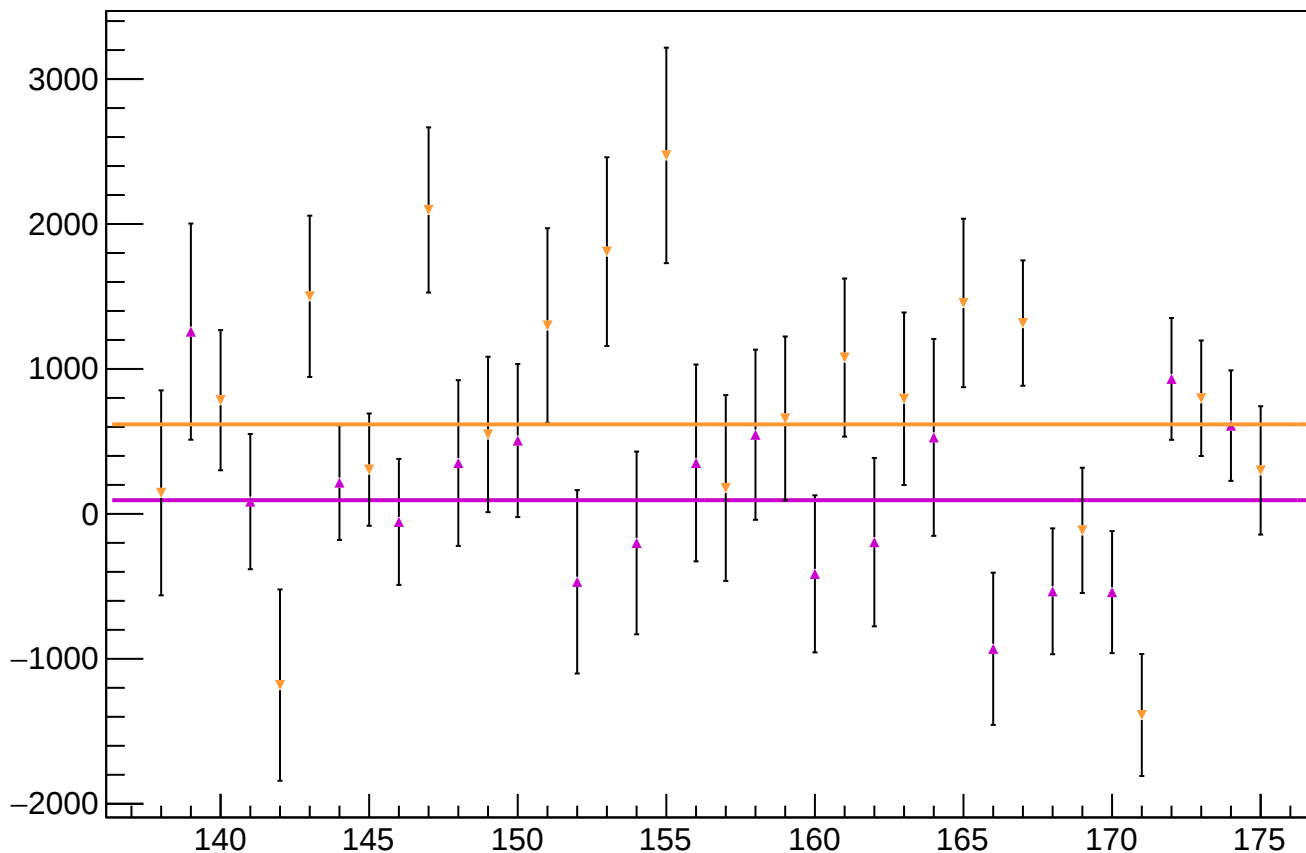
Left In: 46.766+/-0.009 χ^2/NDF : 269711.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.004+/-0.006 χ^2/NDF : 683771.7/37

- 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: 617.703+/-116.357 χ^2/NDF : 60.8/19

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

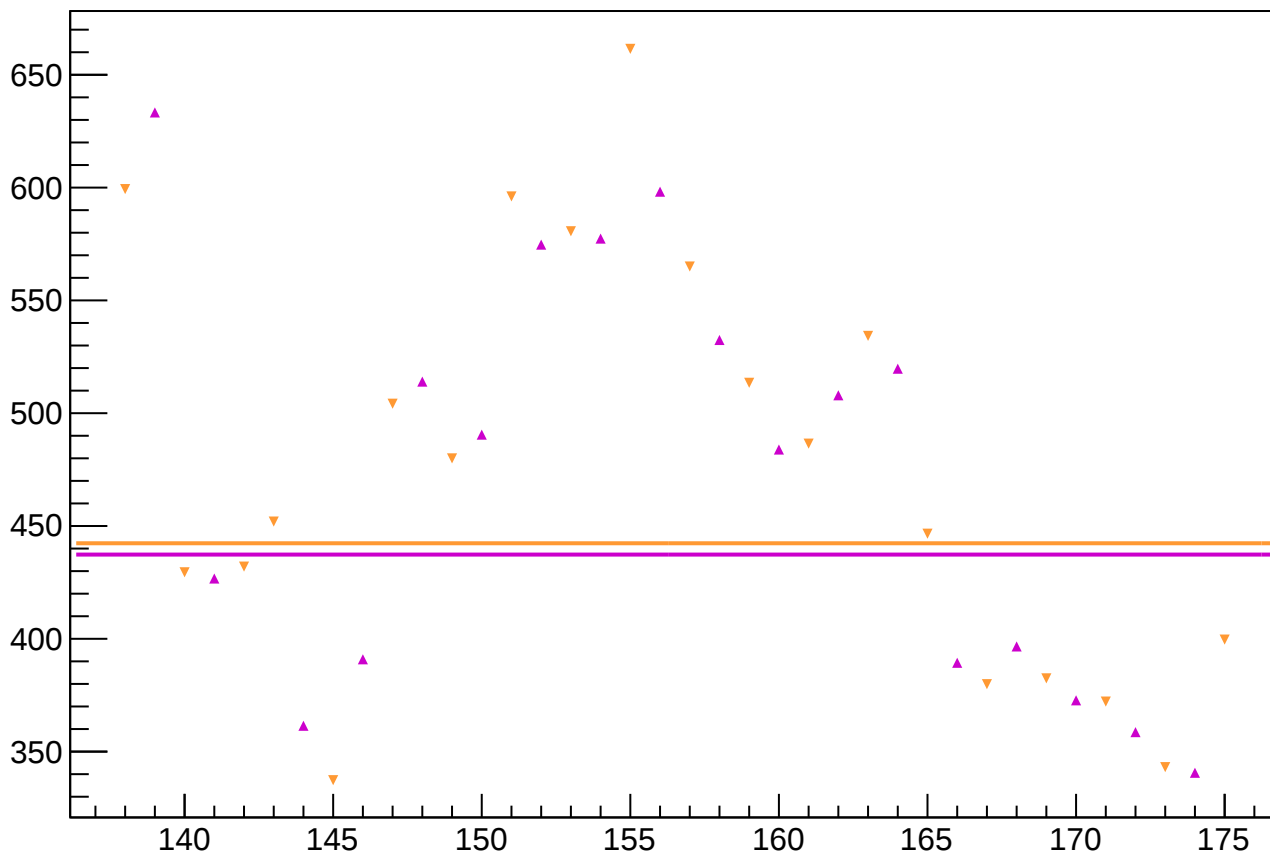
Left In: 94.459+/-119.114 χ^2/NDF : 20.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 362.206+/-83.235 χ^2/NDF : 91.4/37

- 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: 442.349+/-0.082 χ^2/NDF :1094446.3/19

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

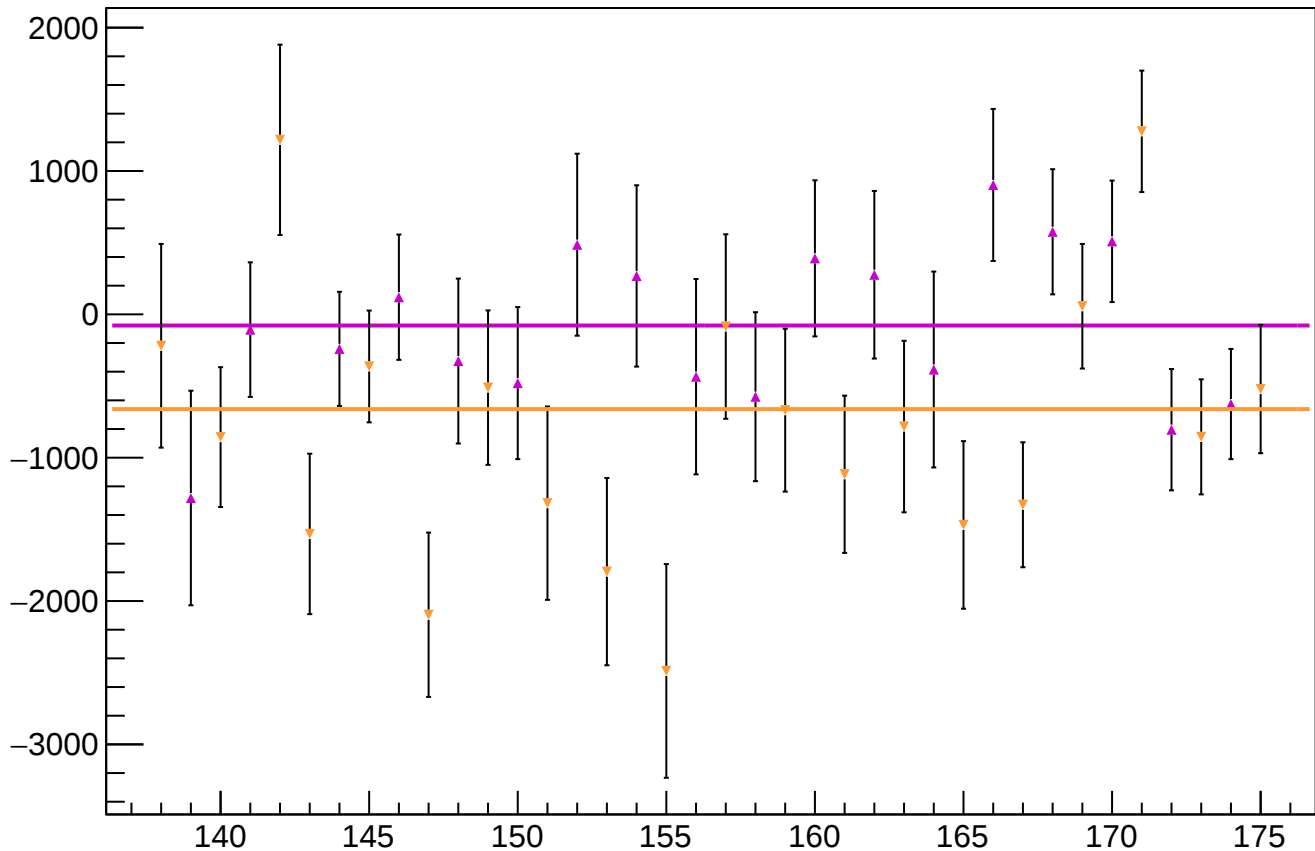
Left In: 437.332+/-0.084 χ^2/NDF :1003806.5/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 439.899+/-0.059 χ^2/NDF : 2100068.2/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -661.259+/-117.087 χ^2/NDF : 57.6/19

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

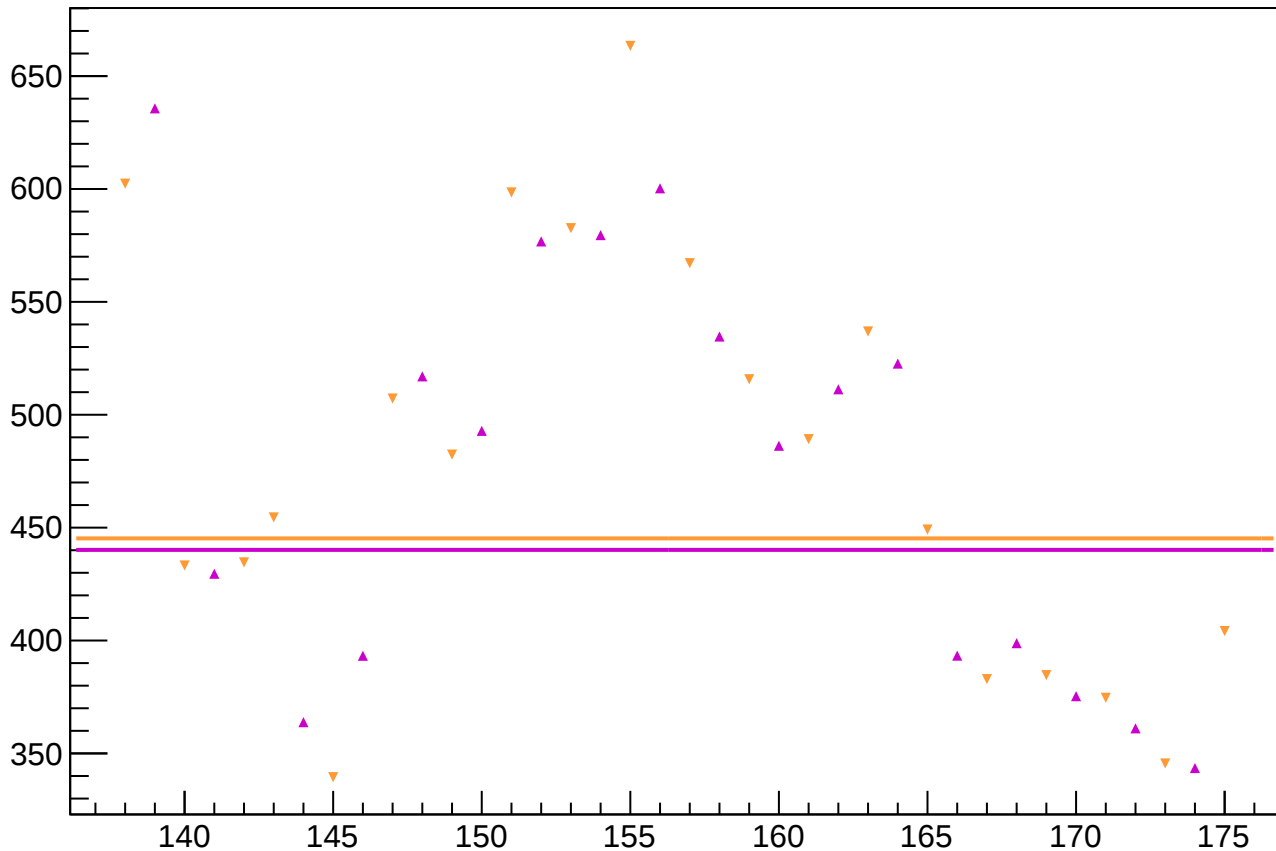
Left In: -77.922+/-119.850 χ^2/NDF : 19.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -376.392+/-83.753 χ^2/NDF : 89.4/37

- sign 0.000+/-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: 445.237+/-0.083 χ^2/NDF :1081158.3/19

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

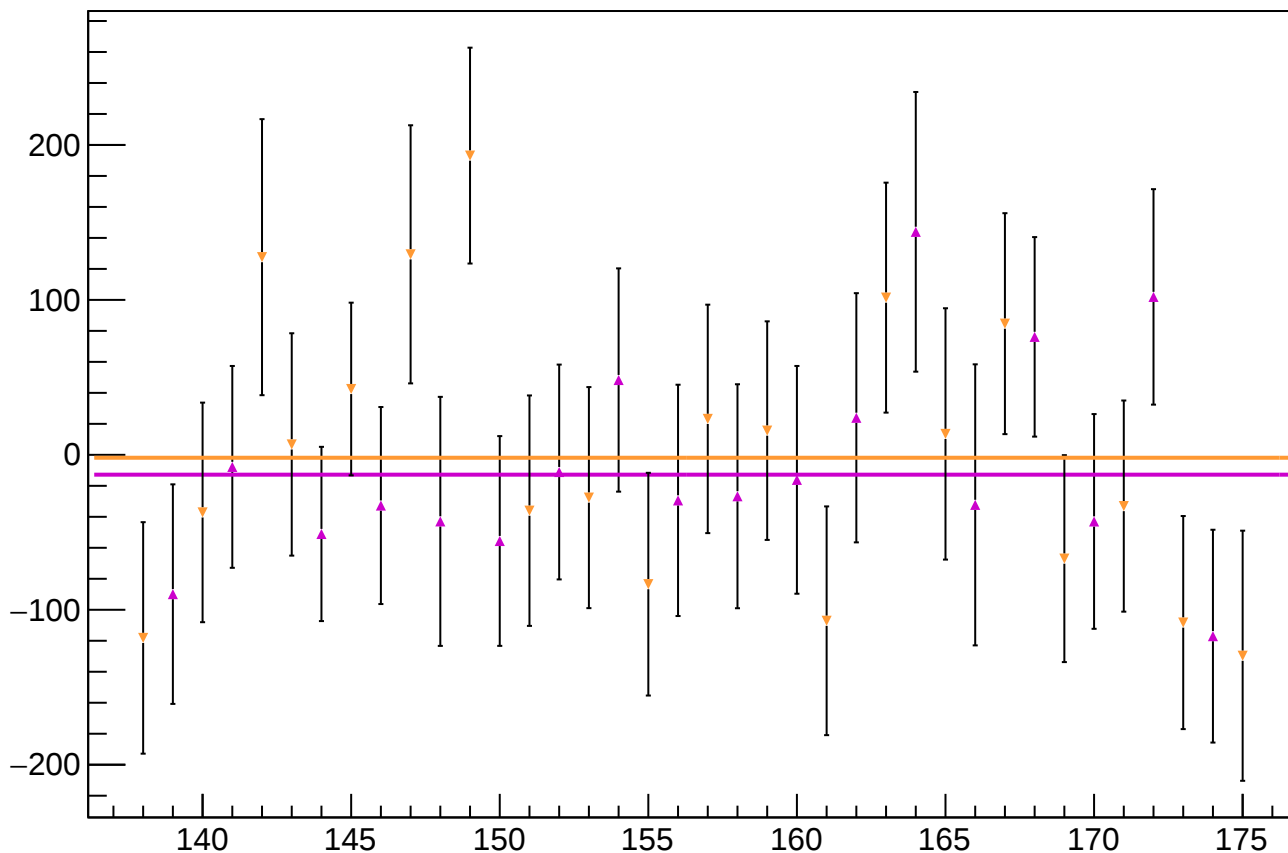
Left In: 440.147+/-0.085 χ^2/NDF :990810.4/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 442.751+/-0.059 χ^2/NDF : 2073814.8/37

- 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: -1.879 $\pm$ 16.127 χ^2 /NDF: 29.1/19

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

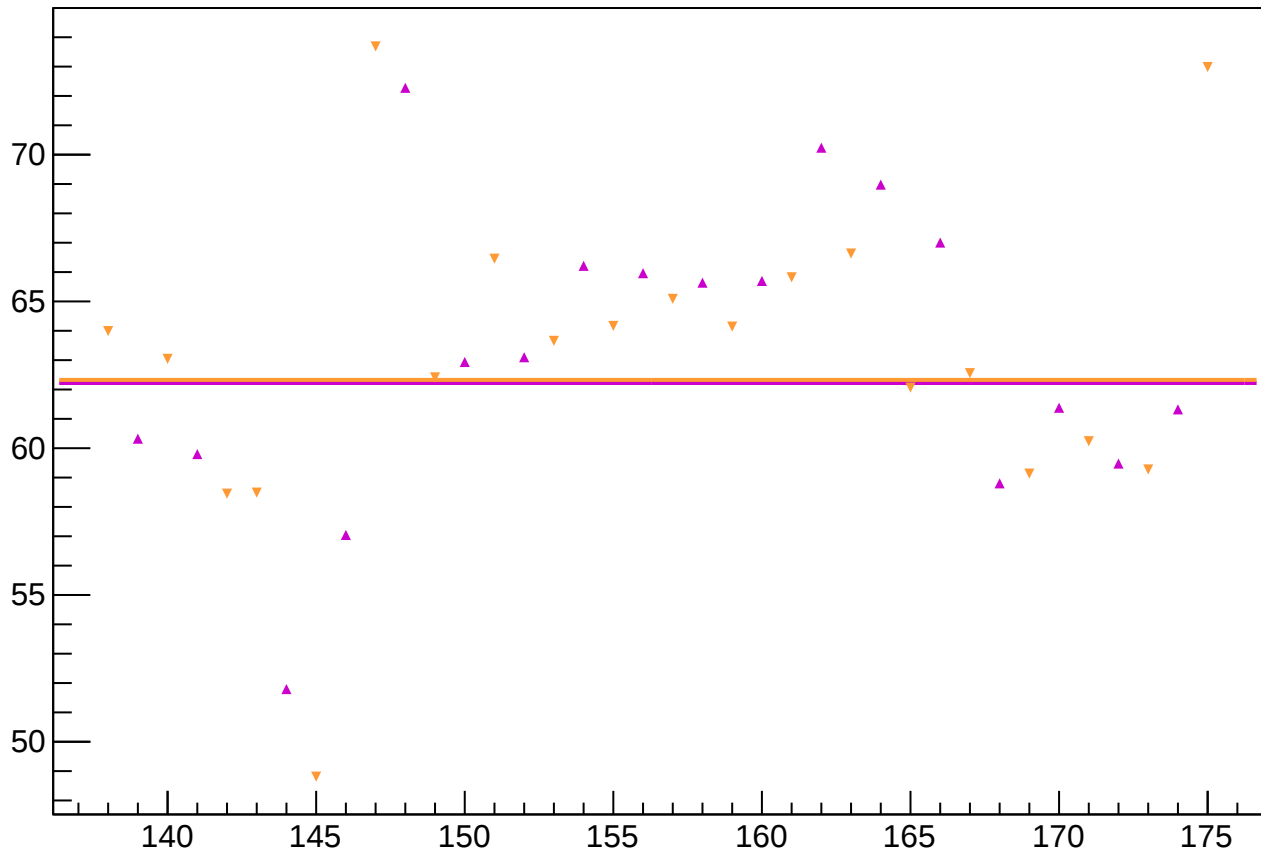
Left In: -12.800 $\pm$ 16.677 χ^2 /NDF: 13.5/17

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

All: -7.156 $\pm$ 11.593 χ^2 /NDF: 42.8/37

- 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: 62.327+/-0.011 χ^2/NDF : 234389.2/19

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

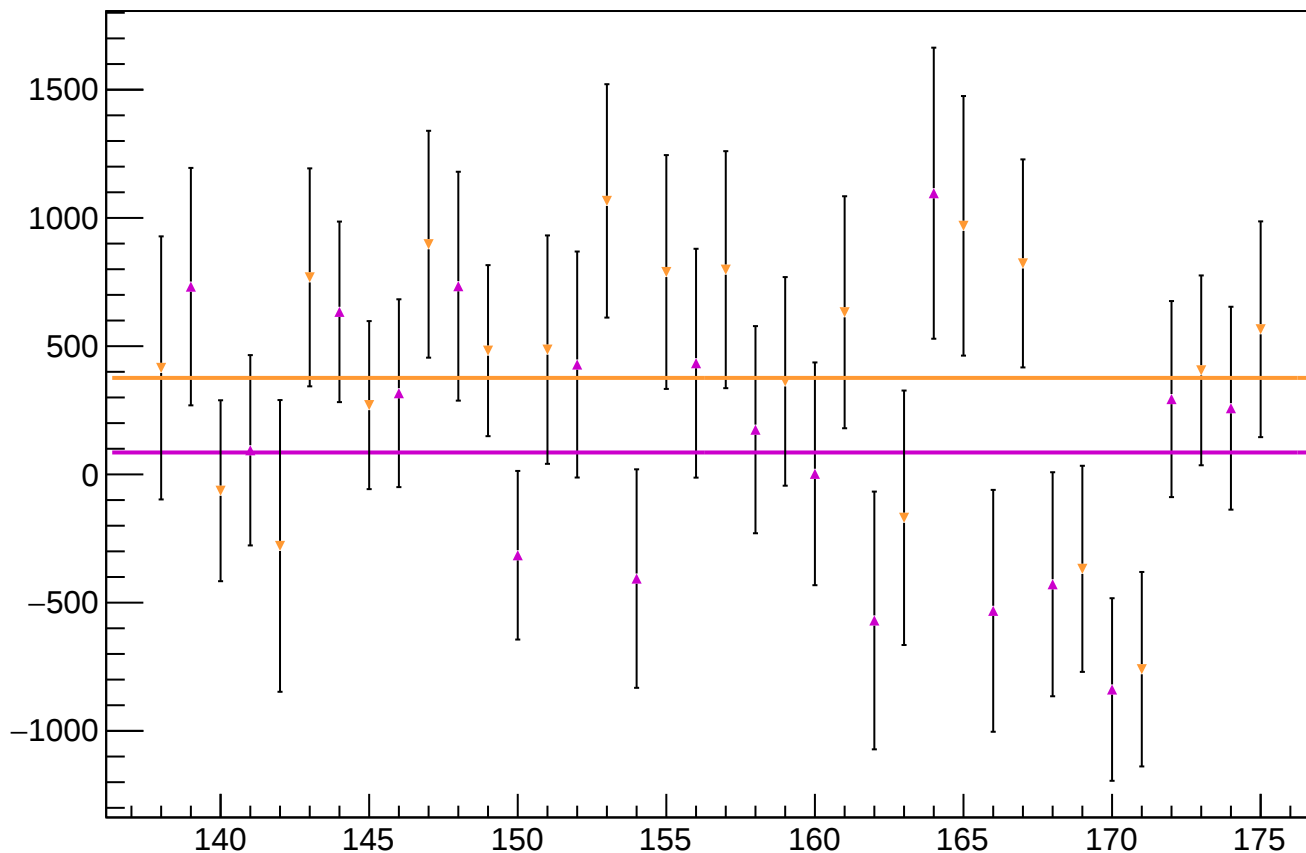
Left In: 62.221+/-0.012 χ^2/NDF : 184215.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.276+/-0.008 χ^2/NDF : 418646.5/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 376.279+/-93.516 χ^2/NDF : 26.1/19

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

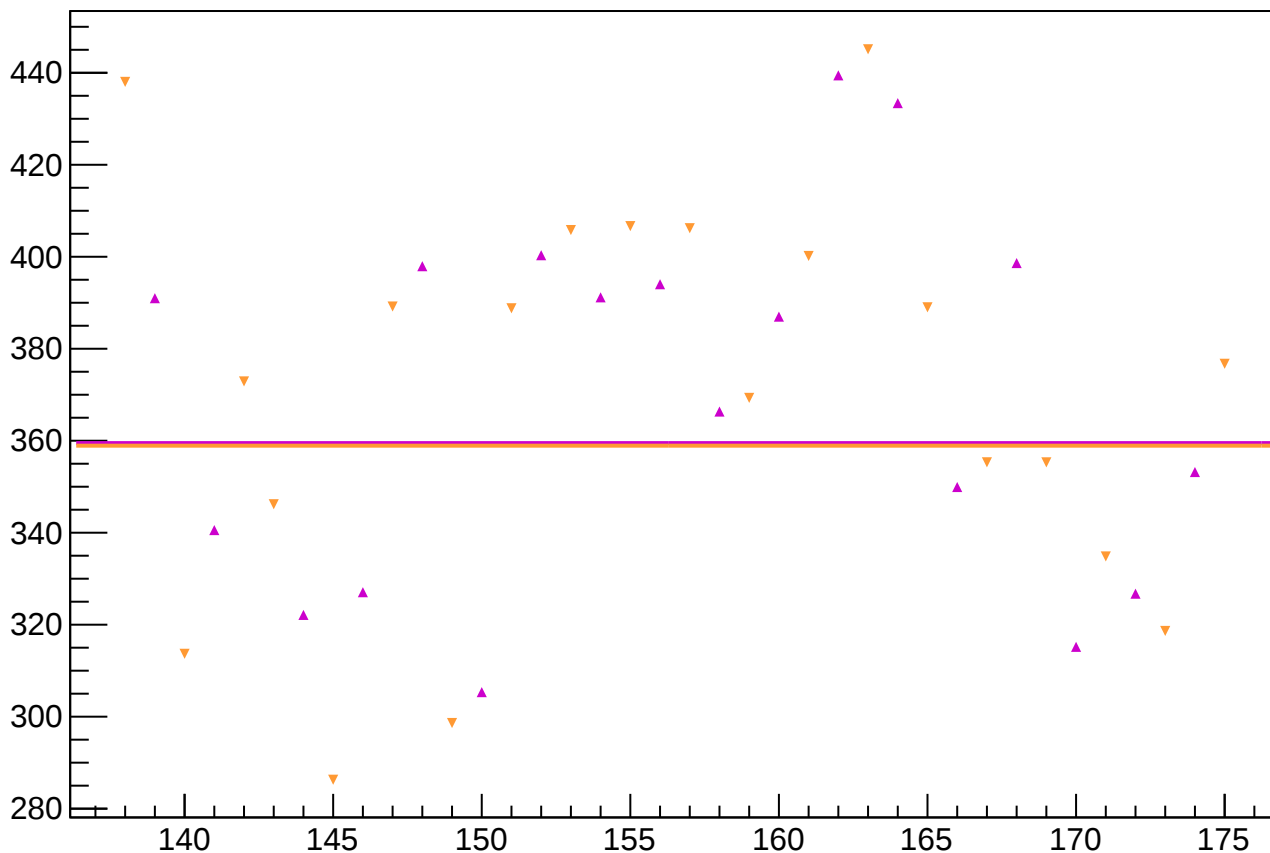
Left In: 85.497+/-96.767 χ^2/NDF : 26.2/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 235.855+/-67.246 χ^2/NDF : 57.0/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 358.925+/-0.066 χ^2/NDF : 450739.5/19

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

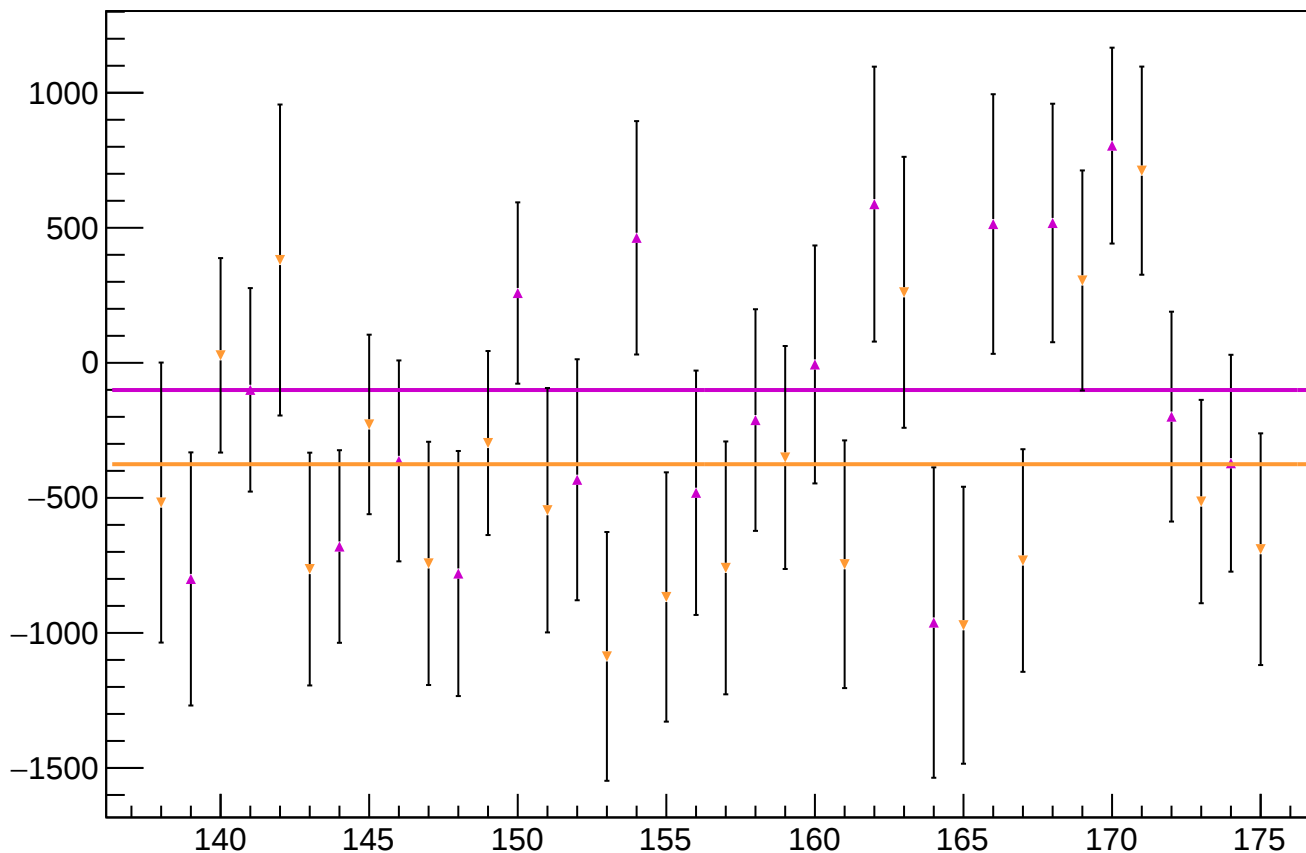
Left In: 359.480+/-0.068 χ^2/NDF : 318277.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 359.193+/-0.048 χ^2/NDF : 769050.6/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -375.322 $\pm$ 94.990 χ^2 /NDF:24.9/19

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

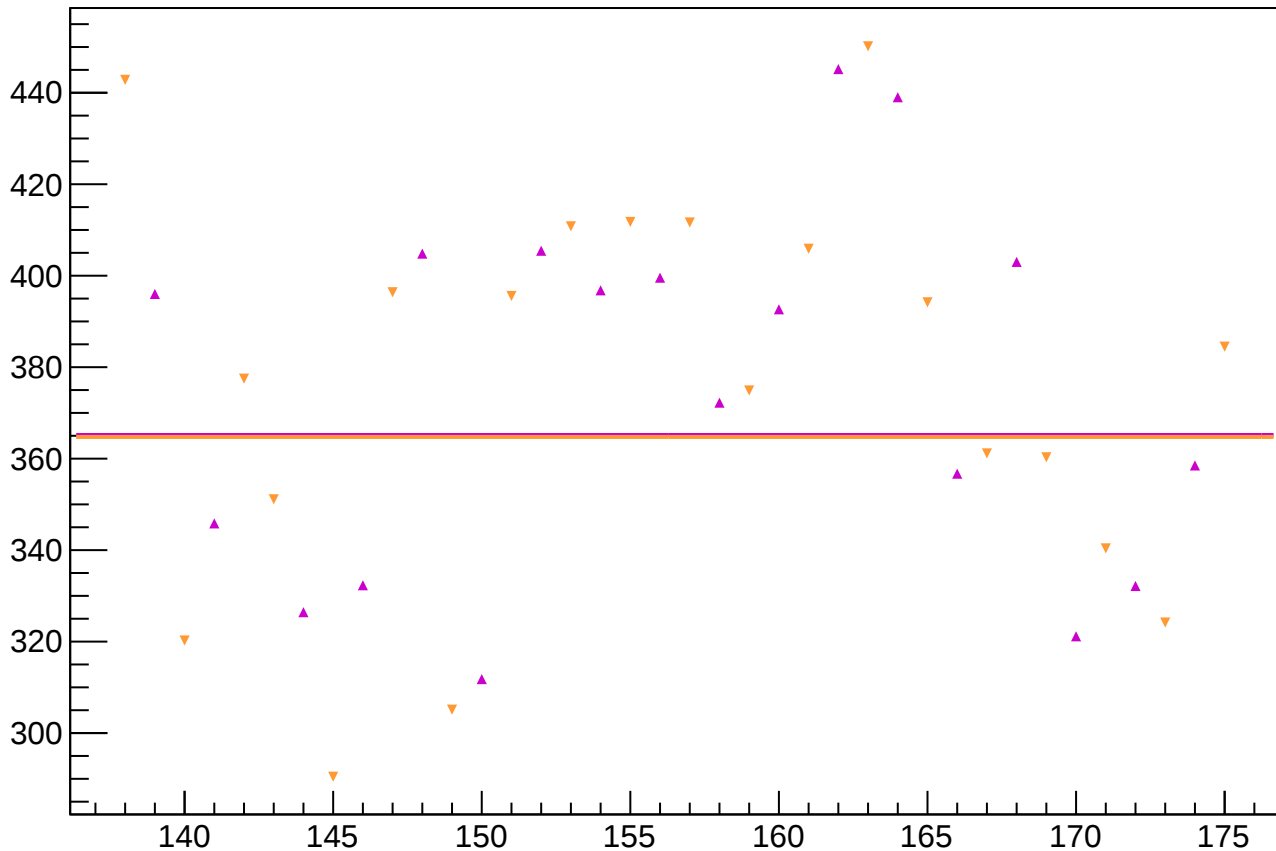
Left In: -100.644 $\pm$ 98.268 χ^2 /NDF:26.3/17

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

All: -242.642 $\pm$ 68.297 χ^2 /NDF: 55.2/37

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

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 364.746+/-0.067 χ^2/NDF : 437811.9/19

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

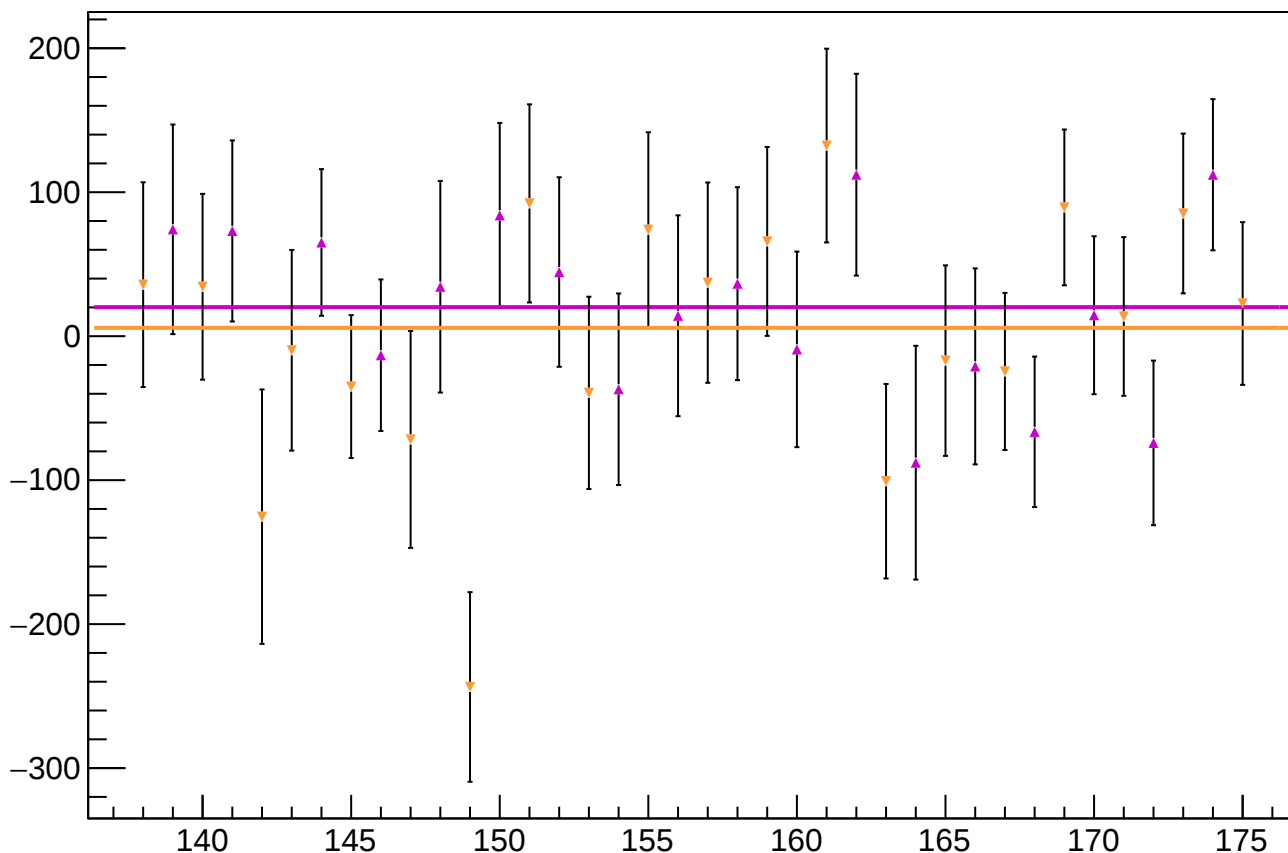
Left In: 365.171+/-0.069 χ^2/NDF : 308119.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 364.951+/-0.048 χ^2/NDF : 745950.4/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: 5.788+/-14.155 χ^2/NDF :33.8/19

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

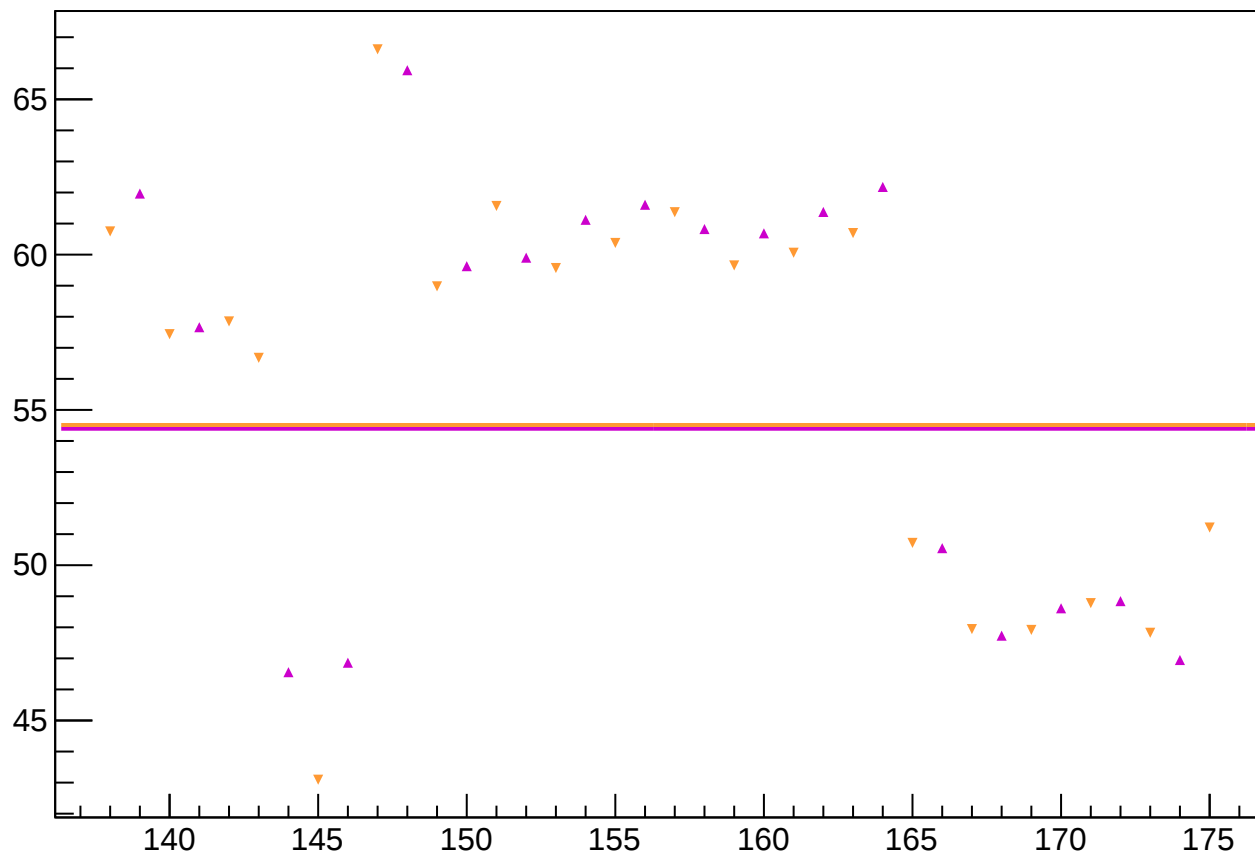
Left In: 20.184+/-14.654 χ^2/NDF :17.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 12.736+/-10.181 χ^2/NDF : 51.3/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 54.515+/-0.010 χ^2/NDF : 423362.4/19

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

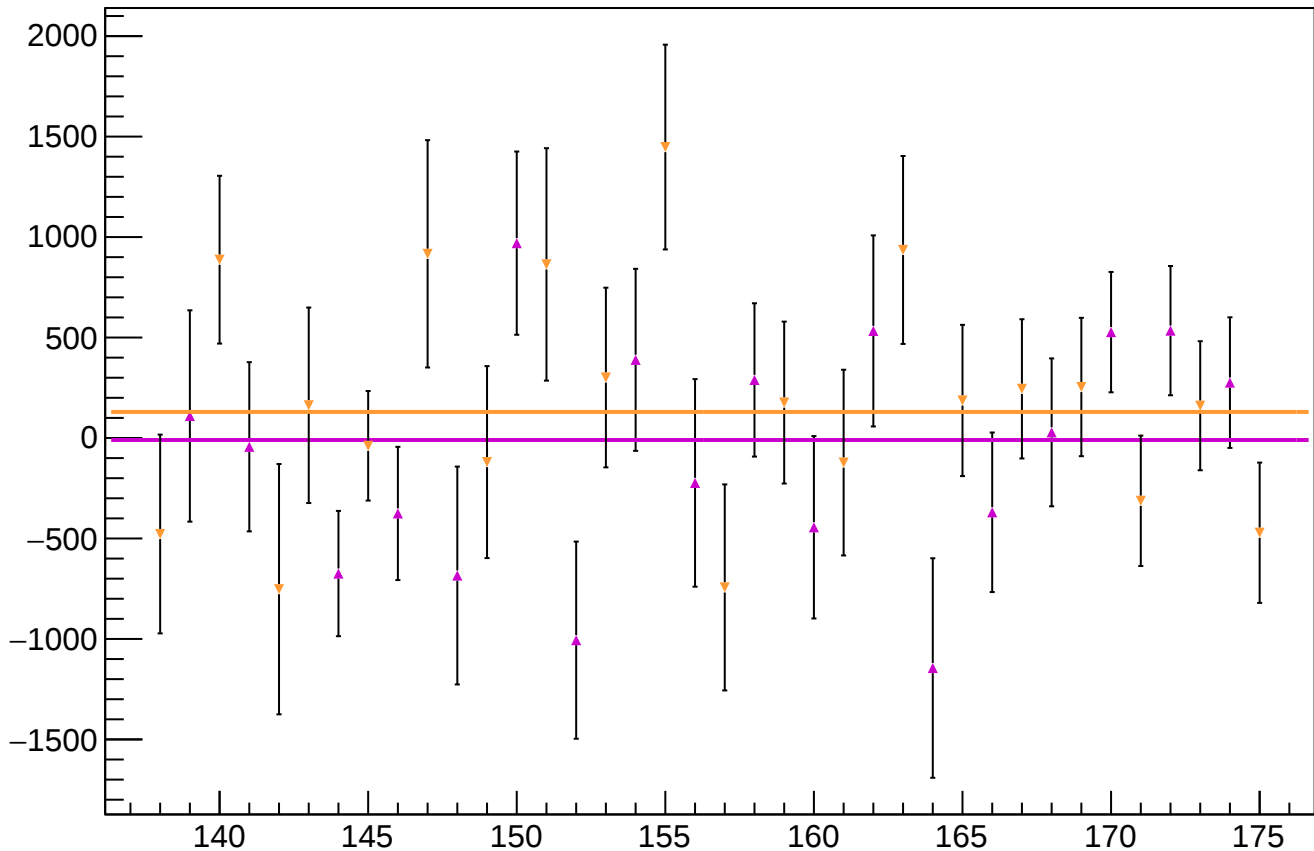
Left In: 54.394+/-0.010 χ^2/NDF : 427928.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 54.457+/-0.007 χ^2/NDF : 851359.9/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 129.730 $\pm$ 91.327 χ^2 /NDF:29.1/19

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

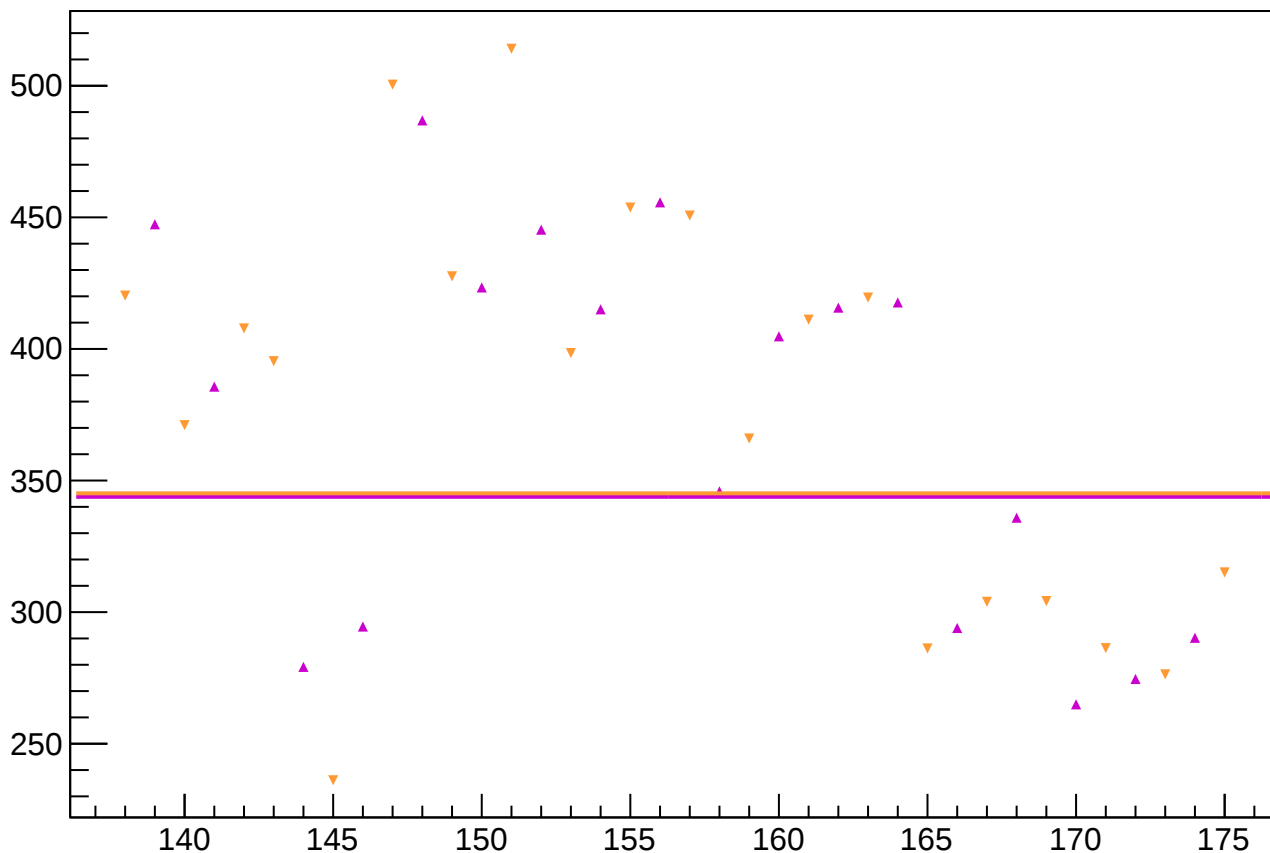
Left In: -9.939 $\pm$ 94.012 χ^2 /NDF:31.9/17

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

All: 61.919 $\pm$ 65.507 χ^2 /NDF: 62.1/37

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

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 345.140+/-0.065 χ^2/NDF :1375100.3/19

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

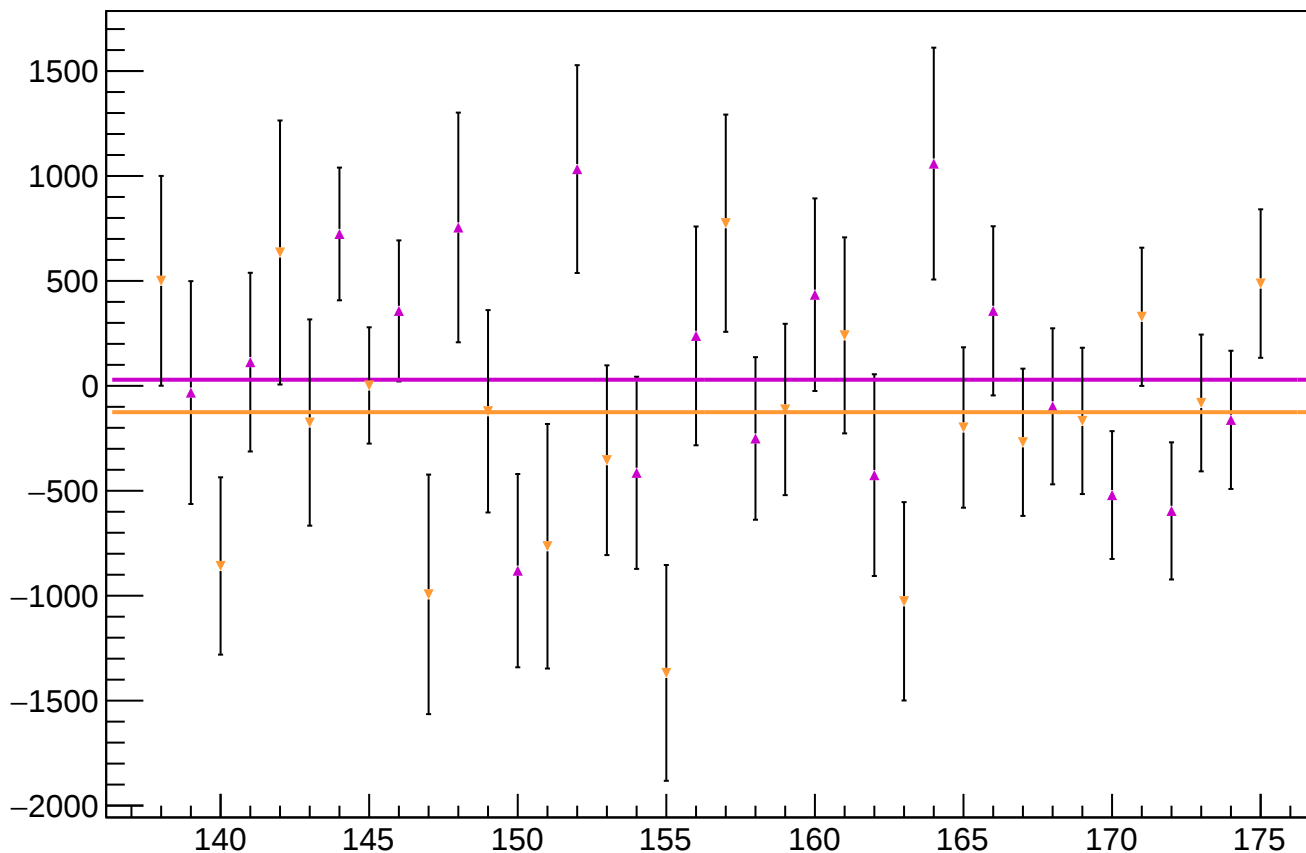
Left In: 343.830+/-0.066 χ^2/NDF :1092883.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 344.504+/-0.046 χ^2/NDF : 2468183.3/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -125.446 $\pm$ 92.484 χ^2 /NDF:28.3/19

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

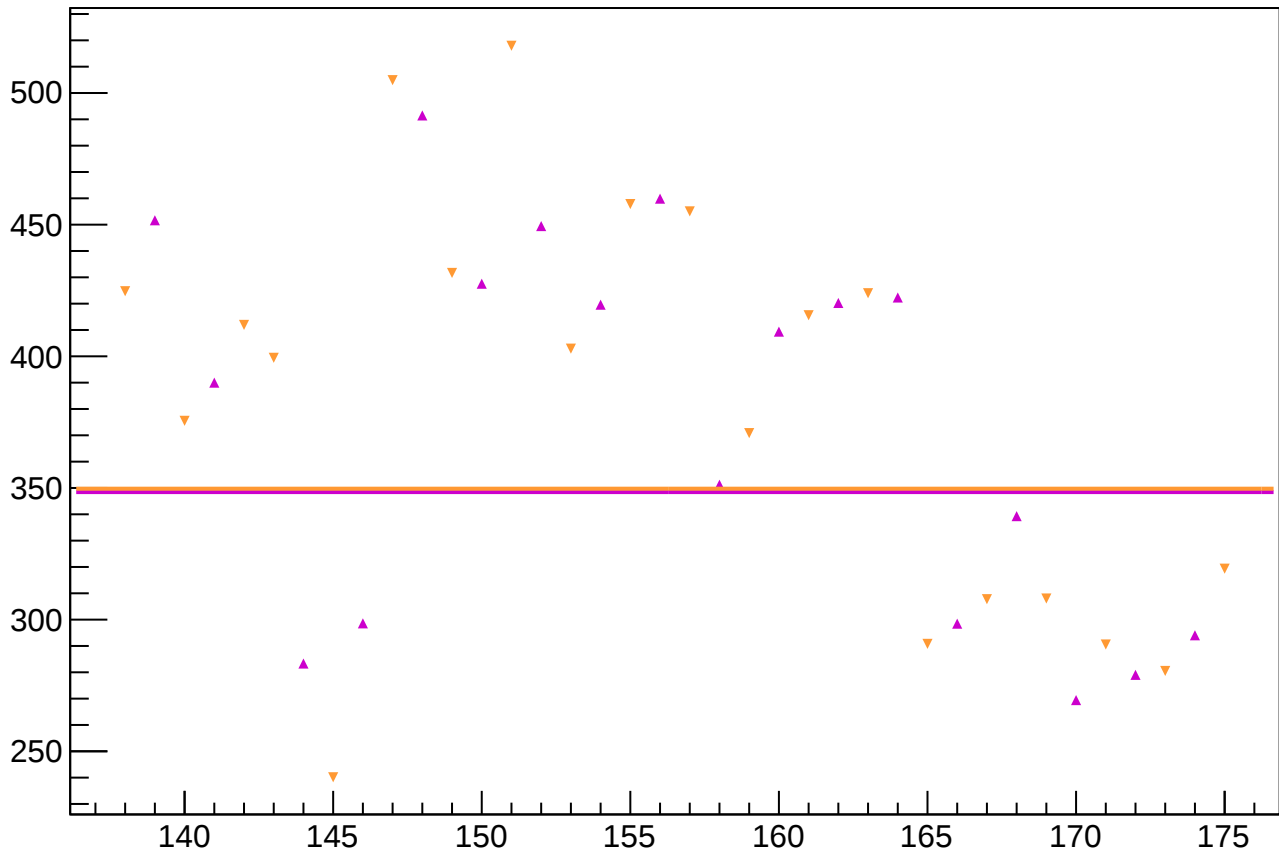
Left In: 29.179 $\pm$ 95.220 χ^2 /NDF:30.4/17

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

All: -50.387 $\pm$ 66.342 χ^2 /NDF: 60.1/37

- sign 0.000 $\pm$ 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: 349.731+/-0.065 χ^2/NDF :1345301.6/19

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

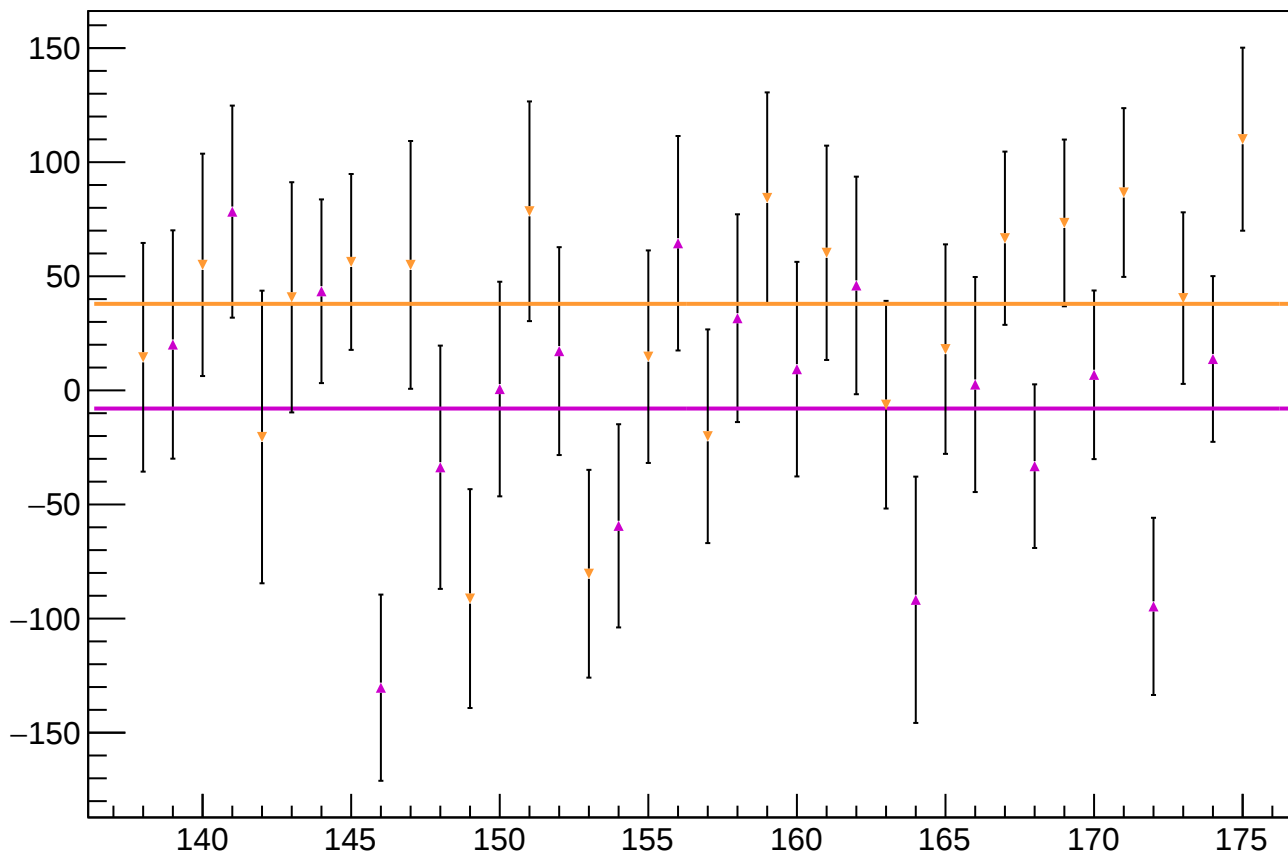
Left In: 348.437+/-0.067 χ^2/NDF :1069348.5/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 349.103+/-0.047 χ^2/NDF : 2414840.3/37

- 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: 37.920 $\pm$ 9.942 χ^2 /NDF:26.9/19

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

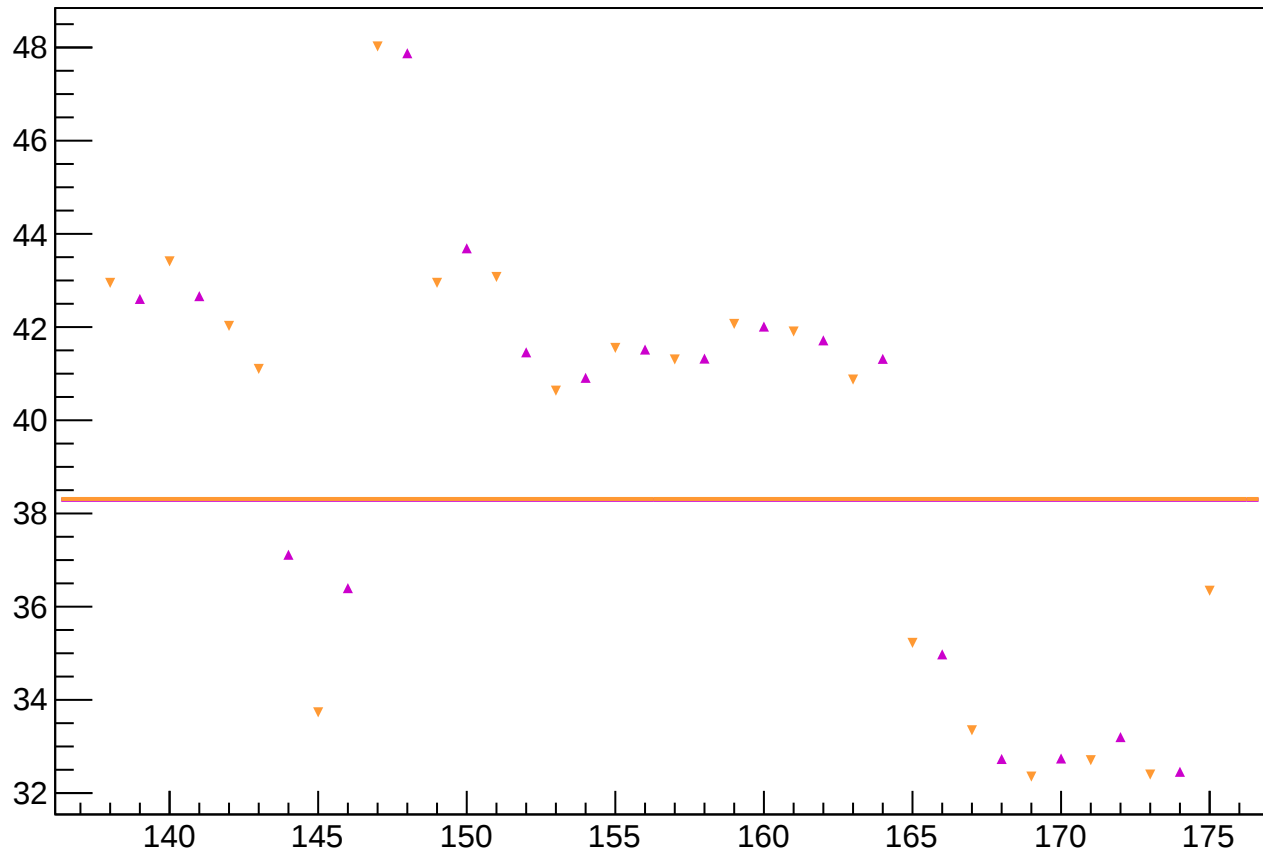
Left In: -7.958 $\pm$ 10.301 χ^2 /NDF:29.3/17

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

All: 15.793 $\pm$ 7.154 χ^2 /NDF: 66.4/37

- 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: 38.311+/-0.007 χ^2/NDF : 433395.1/19

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

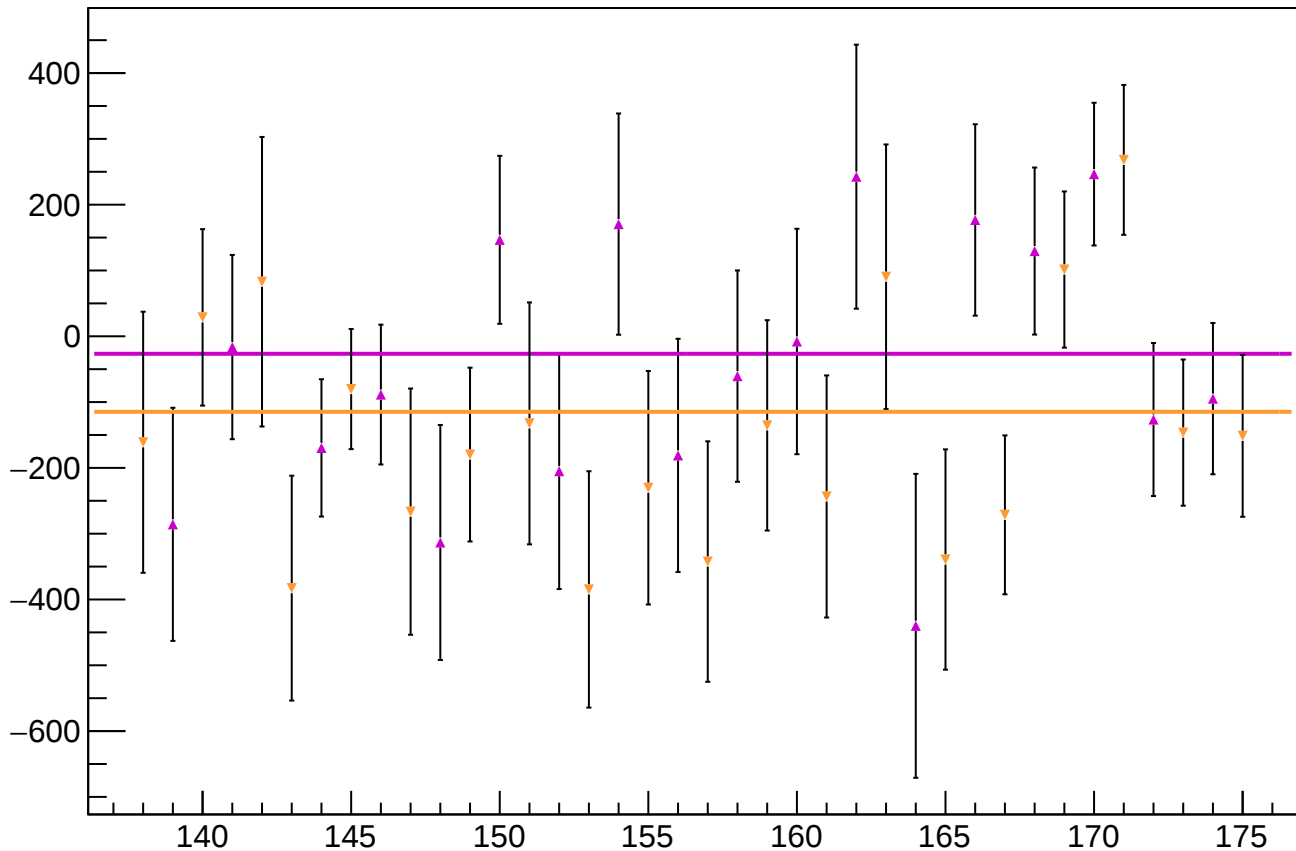
Left In: 38.293+/-0.007 χ^2/NDF : 382756.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 38.303+/-0.005 χ^2/NDF : 816154.3/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -114.742 $\pm$ 32.325 χ^2 /NDF: 29.6/19

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

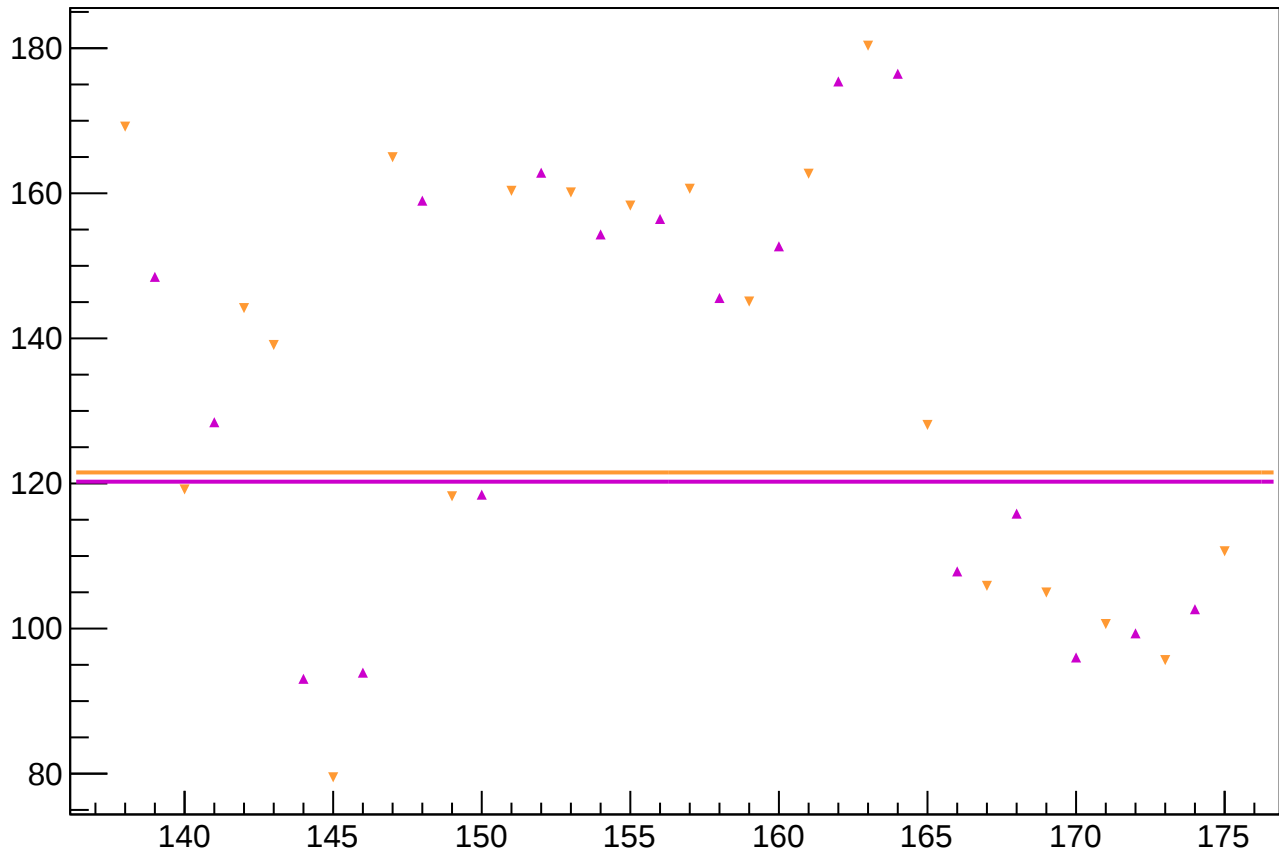
Left In: -26.589 $\pm$ 33.059 χ^2 /NDF: 27.9/17

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

All: -71.655 $\pm$ 23.112 χ^2 /NDF: 61.1/37

- sign 0.000 $\pm$ 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: 121.521+/-0.023 χ^2/NDF : 1632156.1/19

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

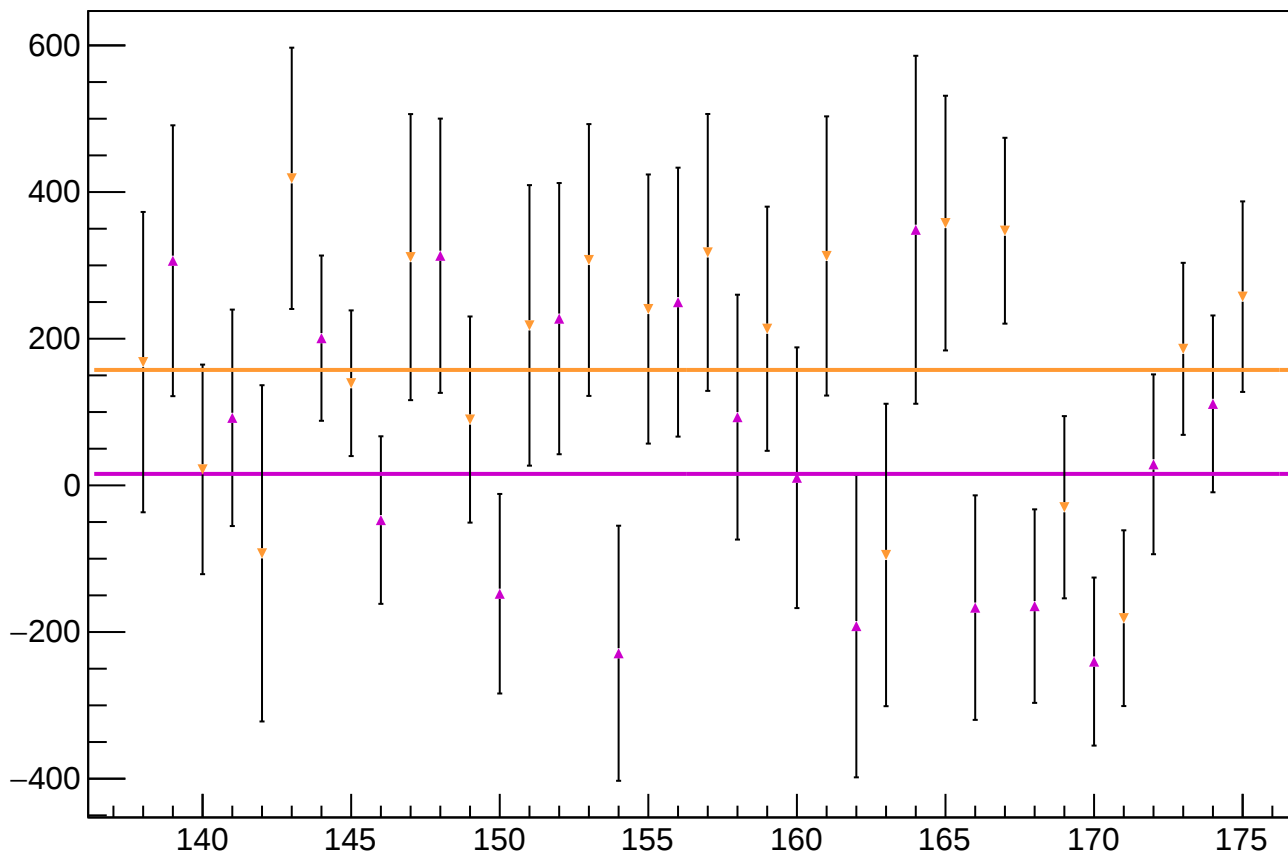
Left In: 120.246+/-0.023 χ^2/NDF : 1308796.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 120.898+/-0.016 χ^2/NDF : 2942471.3/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 157.431+/-34.007 χ^2/NDF : 23.6/19

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

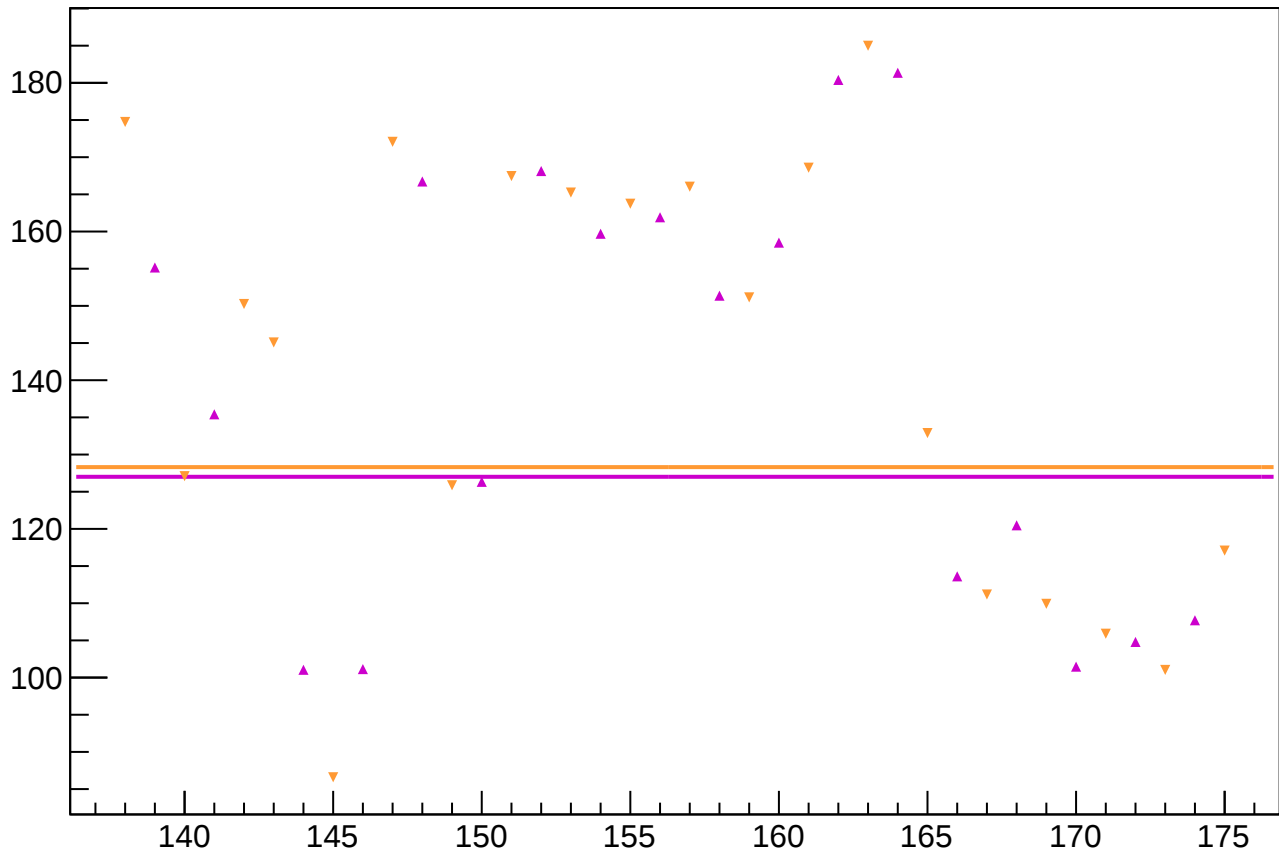
Left In: 15.649+/-34.803 χ^2/NDF : 26.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 88.181+/-24.323 χ^2/NDF : 58.8/37

- sign 0.000+/-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: 128.309+/-0.024 χ^2/NDF :1463821.5/19

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

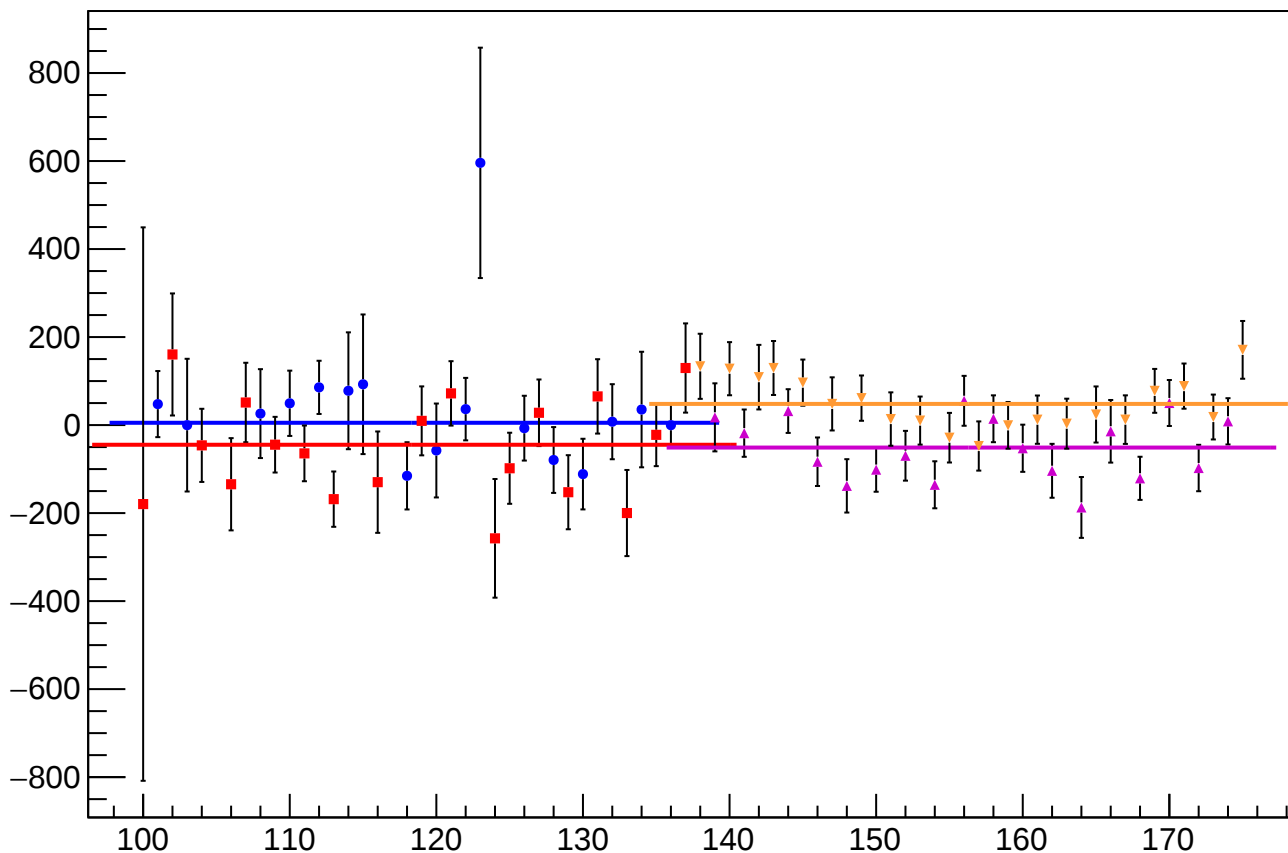
Left In: 127.009+/-0.025 χ^2/NDF :1174712.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 127.674+/-0.017 χ^2/NDF : 2639962.9/37

- 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: 48.082 ± 12.764 χ^2/NDF : 19.3/19

Right Out: -44.715 ± 19.410 χ^2/NDF : 24.4/18

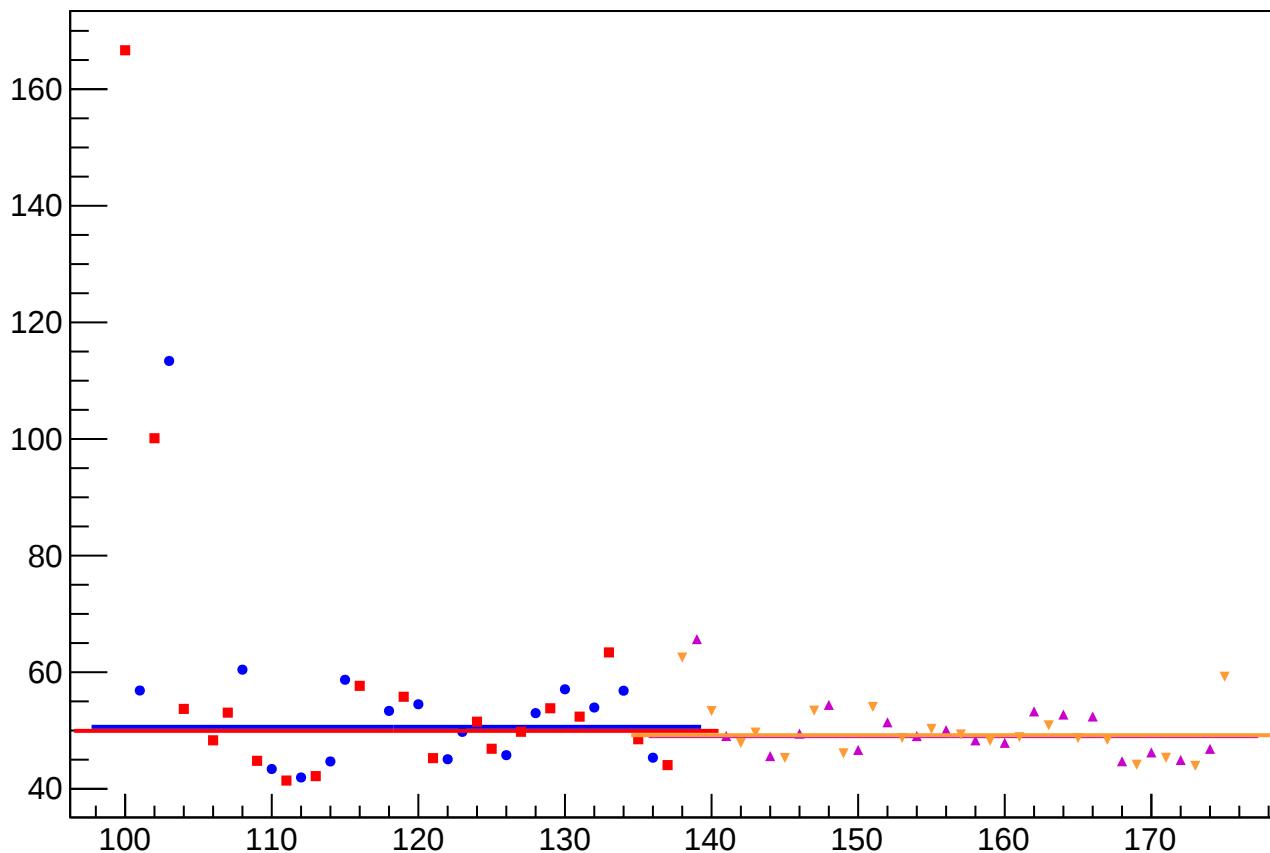
Left In: -51.097 ± 13.166 χ^2/NDF : 27.7/17

+ sign 35.809 ± 10.783 χ^2/NDF : 37.3/36

All: -6.194 ± 7.664 χ^2/NDF : 120.1/73

- sign -49.086 ± 10.896 χ^2/NDF : 52.2/36

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.196 $\pm$ 0.009 χ^2 /NDF: 219961.3/19

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

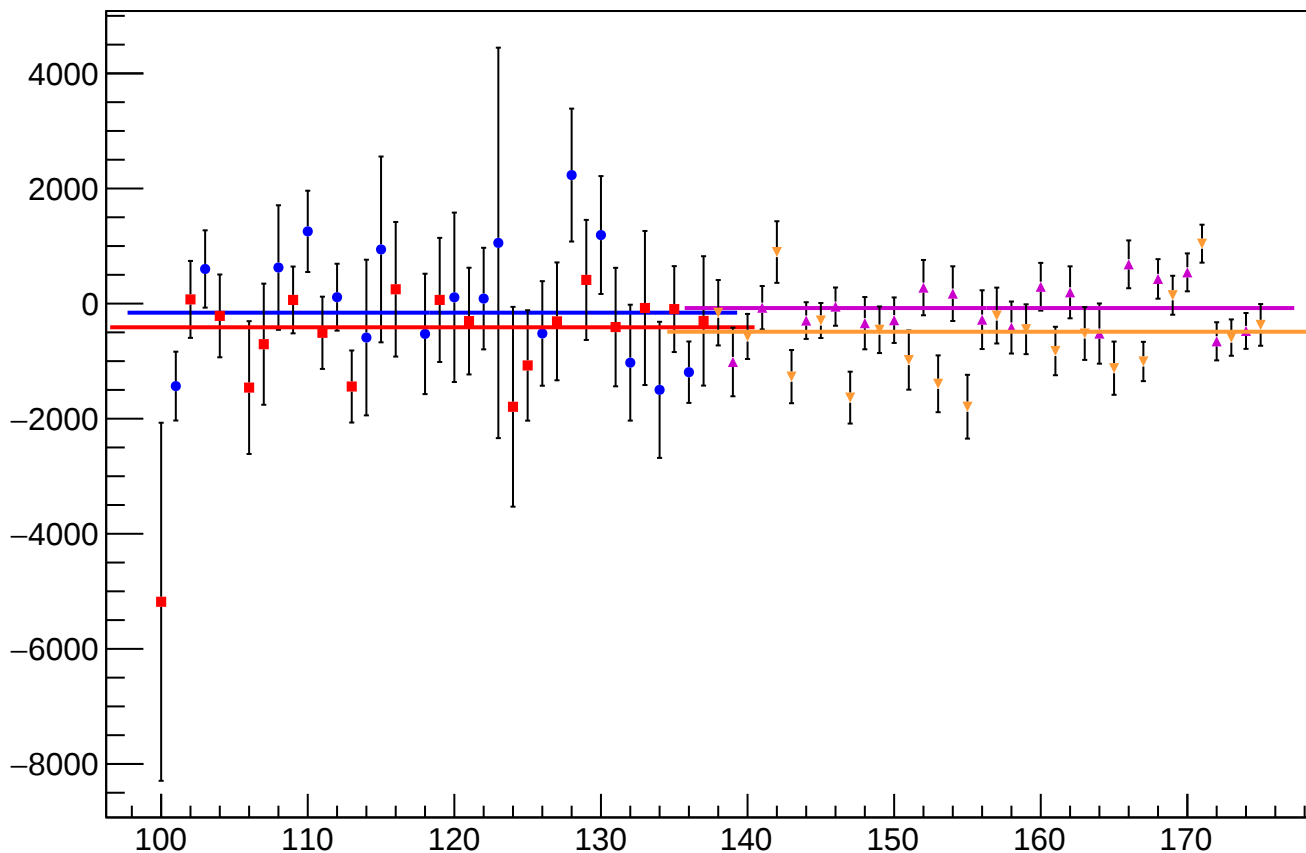
Left In: 49.035 $\pm$ 0.009 χ^2 /NDF: 184248.0/17

+ sign 49.608 $\pm$ 0.008 χ^2 /NDF: 746925.6/36

All: 49.466 $\pm$ 0.005 χ^2 /NDF: 1435356.2/73

- sign 49.321 $\pm$ 0.008 χ^2 /NDF: 687730.9/36

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 $\pm$ 210.181 χ^2/NDF : 23.5/16

Left Out: -488.912 $\pm$ 91.456 χ^2/NDF : 57.0/19

Right Out: -411.611 $\pm$ 203.633 χ^2/NDF : 9.8/18

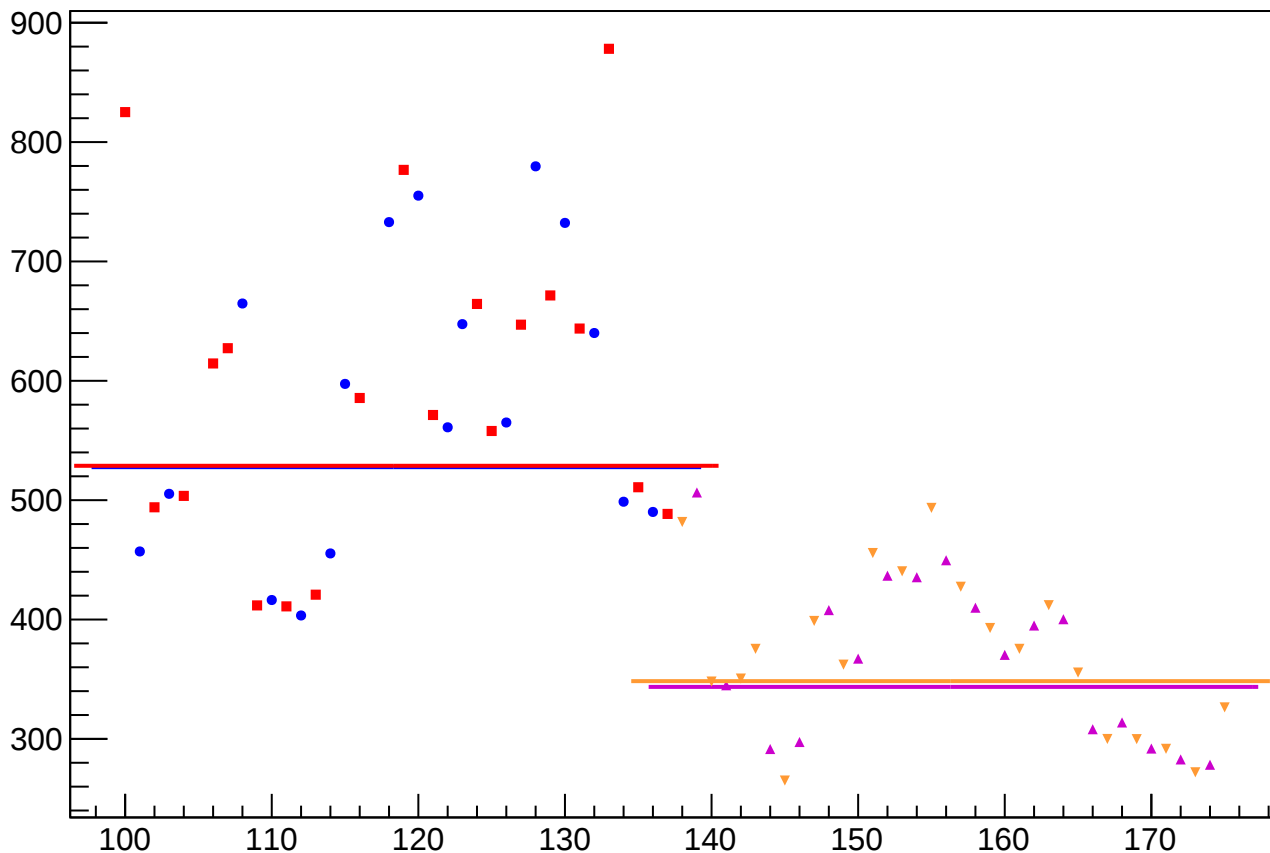
Left In: -77.475 $\pm$ 93.356 χ^2/NDF : 20.7/17

+ sign -436.232 $\pm$ 83.861 χ^2/NDF : 82.5/36

All: -287.655 $\pm$ 59.650 χ^2/NDF : 121.6/73

- sign -135.506 $\pm$ 84.863 χ^2/NDF : 32.7/36

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 348.386+/-0.065 χ^2/NDF : 974602.7/19

Right Out: 528.806+/-0.144 χ^2/NDF : 623364.6/18

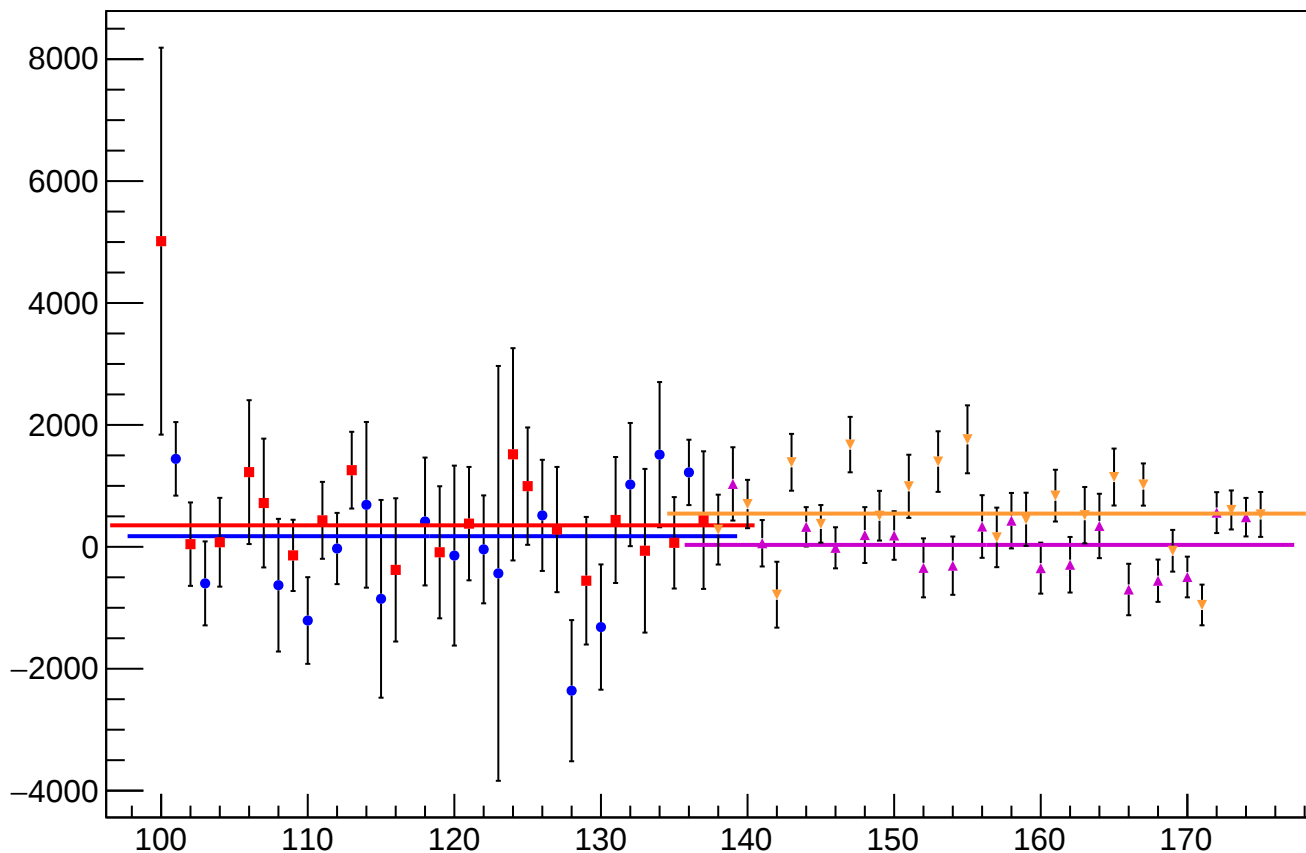
Left In: 343.563+/-0.066 χ^2/NDF : 859313.1/17

+ sign 376.926+/-0.059 χ^2/NDF : 2755478.2/36

All: 376.338+/-0.042 χ^2/NDF : 5605988.7/73

- sign 375.735+/-0.060 χ^2/NDF : 2850311.0/36

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 545.316 $\pm$ 92.443 χ^2 /NDF:52.8/19

Right Out: 352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

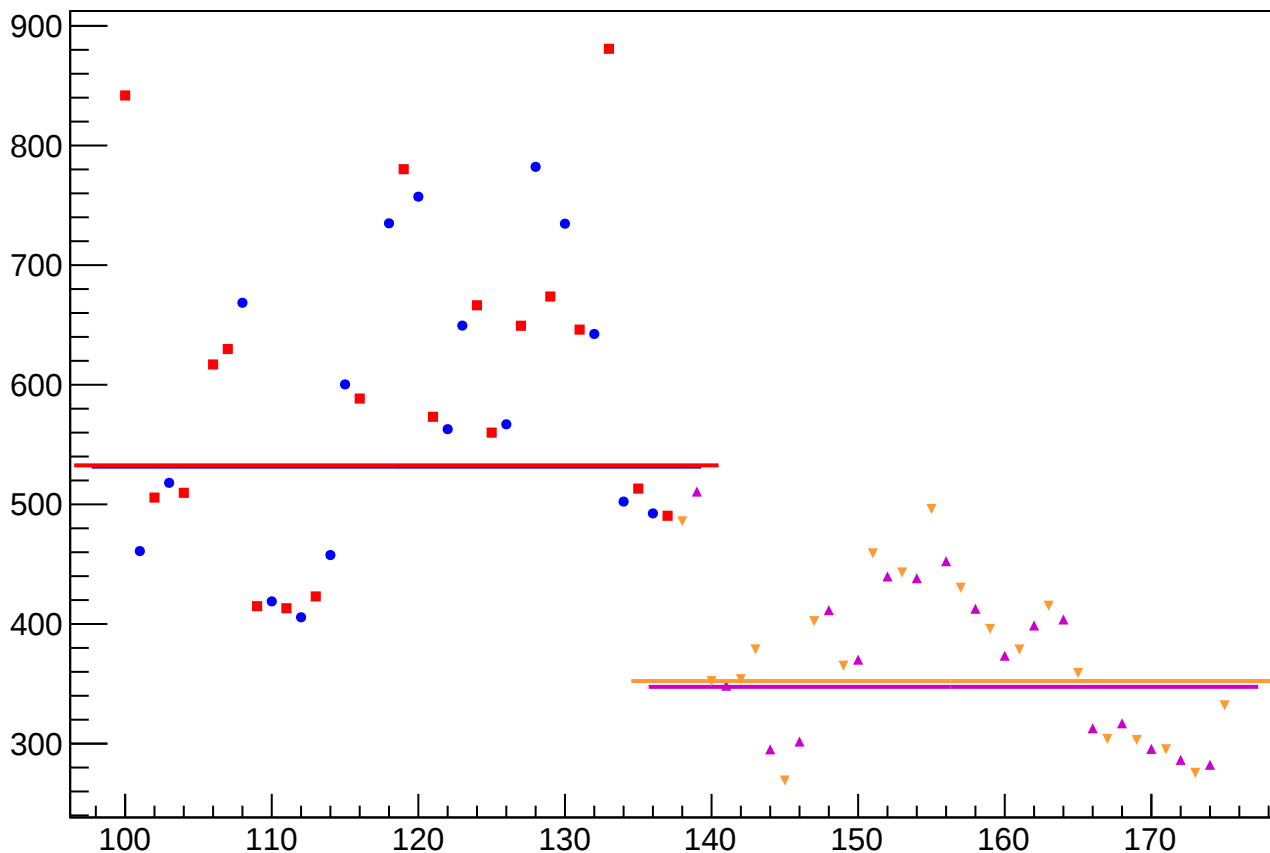
Left In: 31.602 $\pm$ 94.369 χ^2 /NDF:20.7/17

+ sign 485.930 $\pm$ 84.716 χ^2 /NDF: 79.0/36

All: 289.169 $\pm$ 60.261 χ^2 /NDF: 121.1/73

- sign 87.633 $\pm$ 85.738 χ^2 /NDF: 31.2/36

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 352.318+/-0.065 χ^2/NDF : 947682.7/19

Right Out: 532.620+/-0.145 χ^2/NDF : 615746.2/18

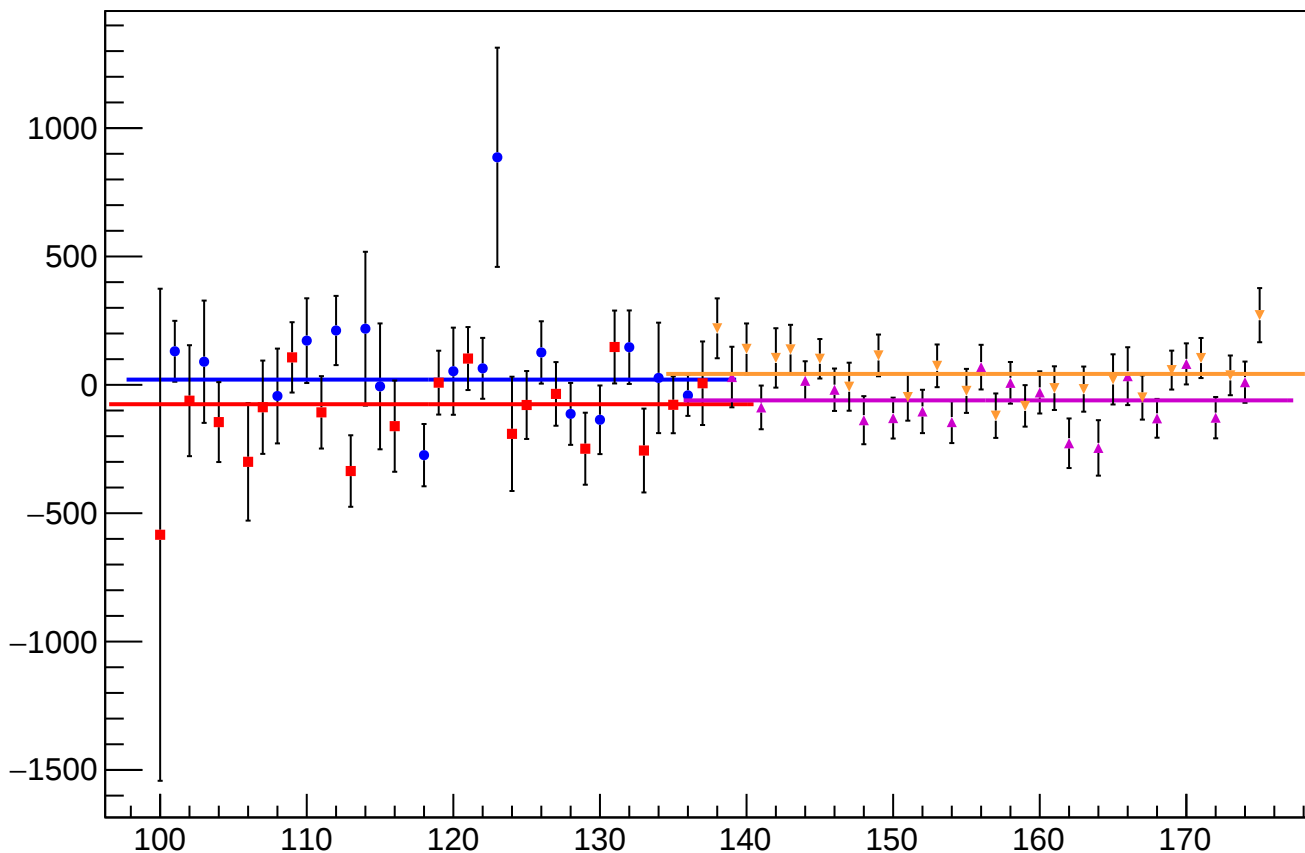
Left In: 347.453+/-0.067 χ^2/NDF : 836095.6/17

+ sign 381.030+/-0.060 χ^2/NDF : 2702184.8/36

All: 380.411+/-0.043 χ^2/NDF : 5498457.4/73

- sign 379.778+/-0.061 χ^2/NDF : 2796056.8/36

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441+/-34.583 χ^2/NDF : 19.3/16

Left Out: 42.565+/-19.684 χ^2/NDF : 21.3/19

Right Out: -75.454+/-34.698 χ^2/NDF : 15.4/18

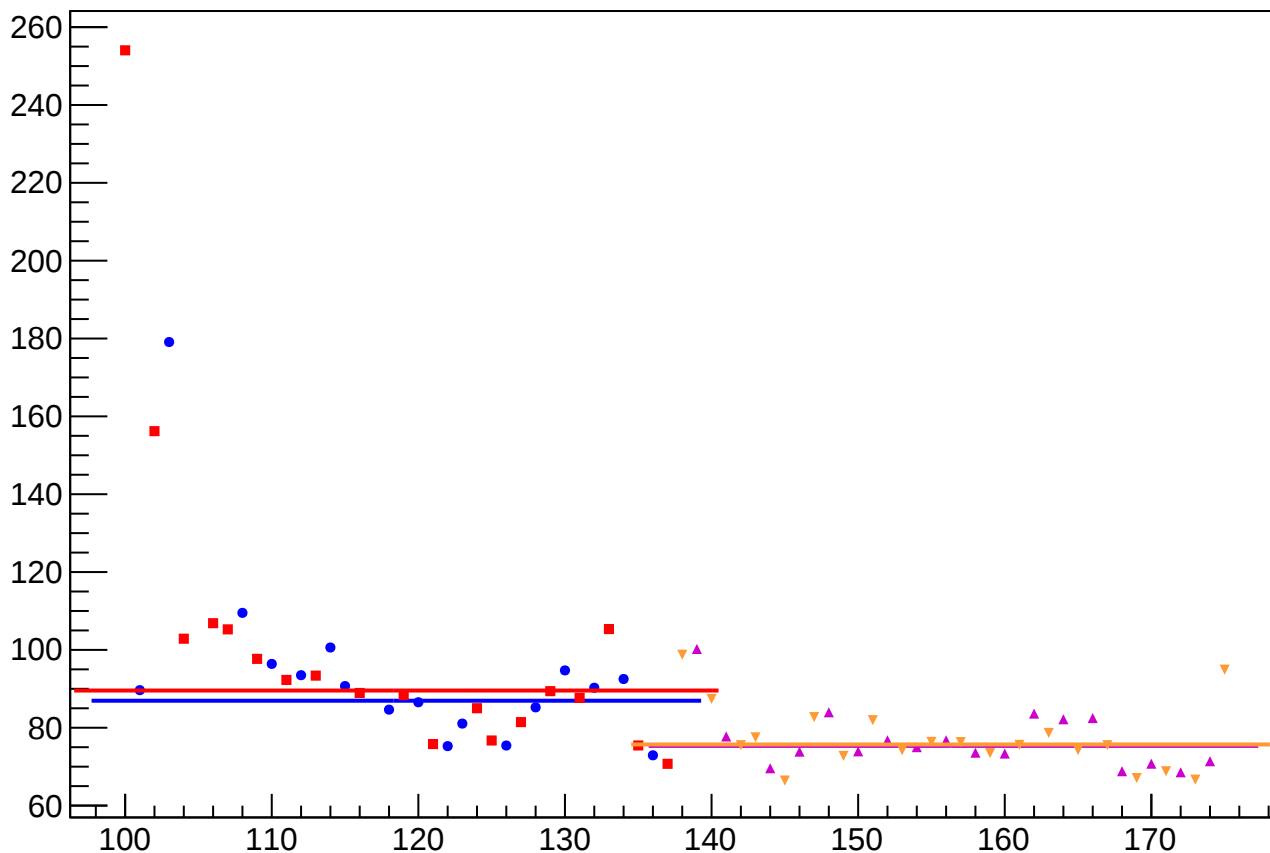
Left In: -60.495+/-20.260 χ^2/NDF : 19.9/17

+ sign 37.152+/-17.107 χ^2/NDF : 40.9/36

All: -12.433+/-12.232 χ^2/NDF : 93.5/73

- sign -64.299+/-17.496 χ^2/NDF : 35.4/36

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 75.702+/-0.014 χ^2/NDF : 299281.5/19

Right Out: 89.561+/-0.025 χ^2/NDF : 431229.7/18

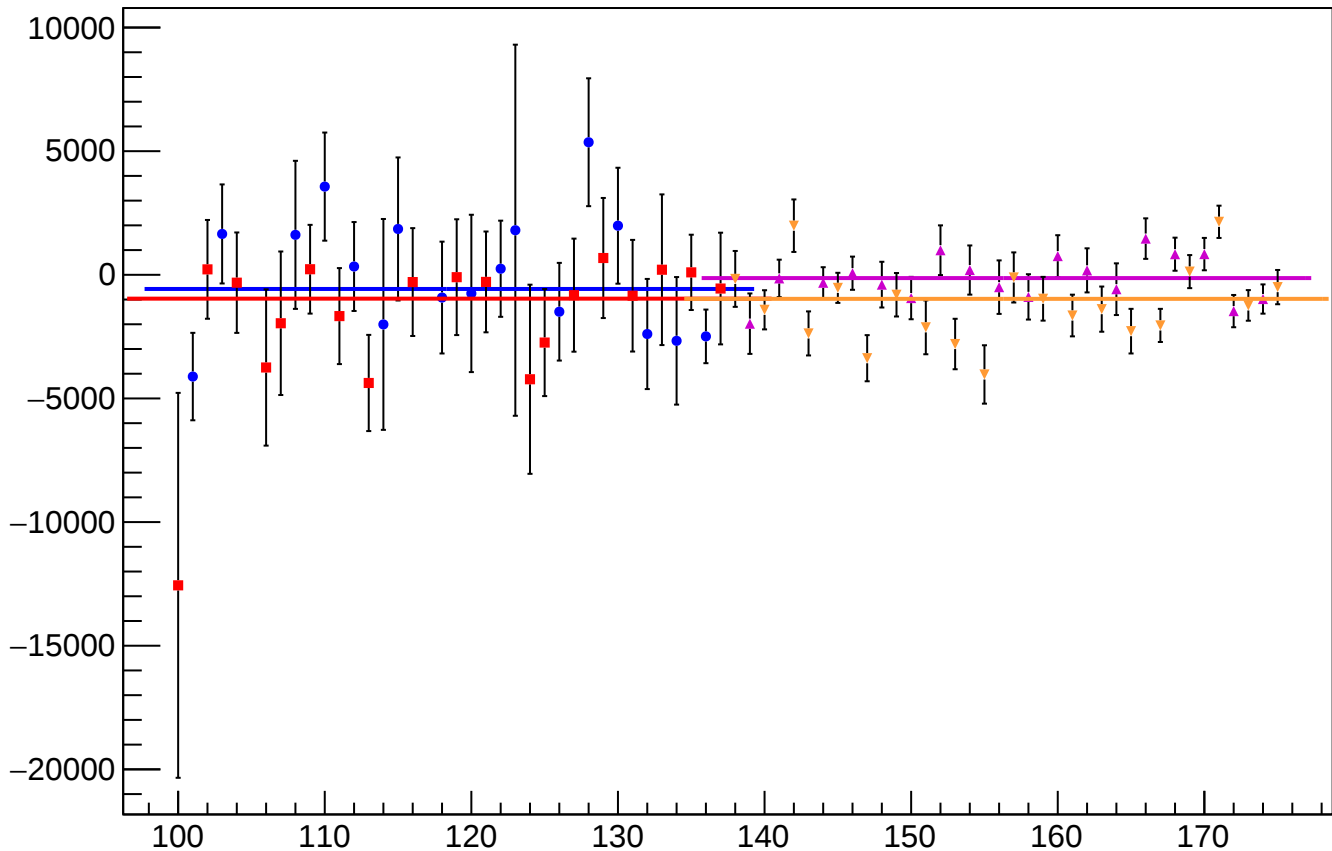
Left In: 75.338+/-0.014 χ^2/NDF : 194841.1/17

+ sign 78.453+/-0.012 χ^2/NDF : 914675.1/36

All: 78.698+/-0.009 χ^2/NDF : 1792200.0/73

- sign 78.954+/-0.012 χ^2/NDF : 876685.7/36

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 $\pm$ 517.020 χ^2 /NDF: 21.9/16

Left Out: -972.035 $\pm$ 183.256 χ^2 /NDF: 61.7/19

Right Out: -963.846 $\pm$ 514.621 χ^2 /NDF: 10.1/18

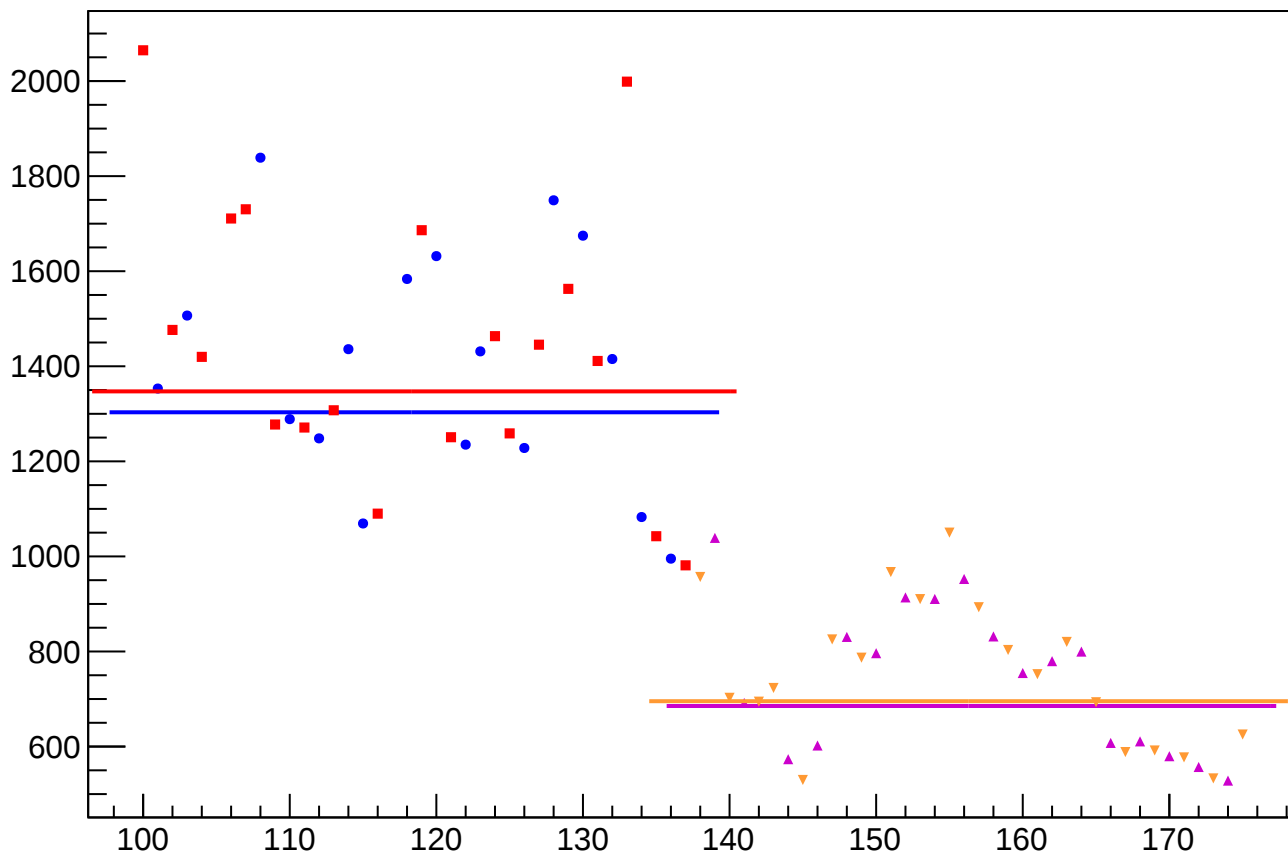
Left In: -132.478 $\pm$ 187.041 χ^2 /NDF: 21.3/17

+ sign -927.425 $\pm$ 172.727 χ^2 /NDF: 84.1/36

All: -584.590 $\pm$ 123.205 χ^2 /NDF: 125.8/73

- sign -229.486 $\pm$ 175.790 χ^2 /NDF: 33.7/36

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201 $\pm$ 0.366 χ^2 /NDF: 451961.9/16

Left Out: 695.415 $\pm$ 0.130 χ^2 /NDF: 1186221.0/19

Right Out: 1347.177 $\pm$ 0.364 χ^2 /NDF: 420774.0/18

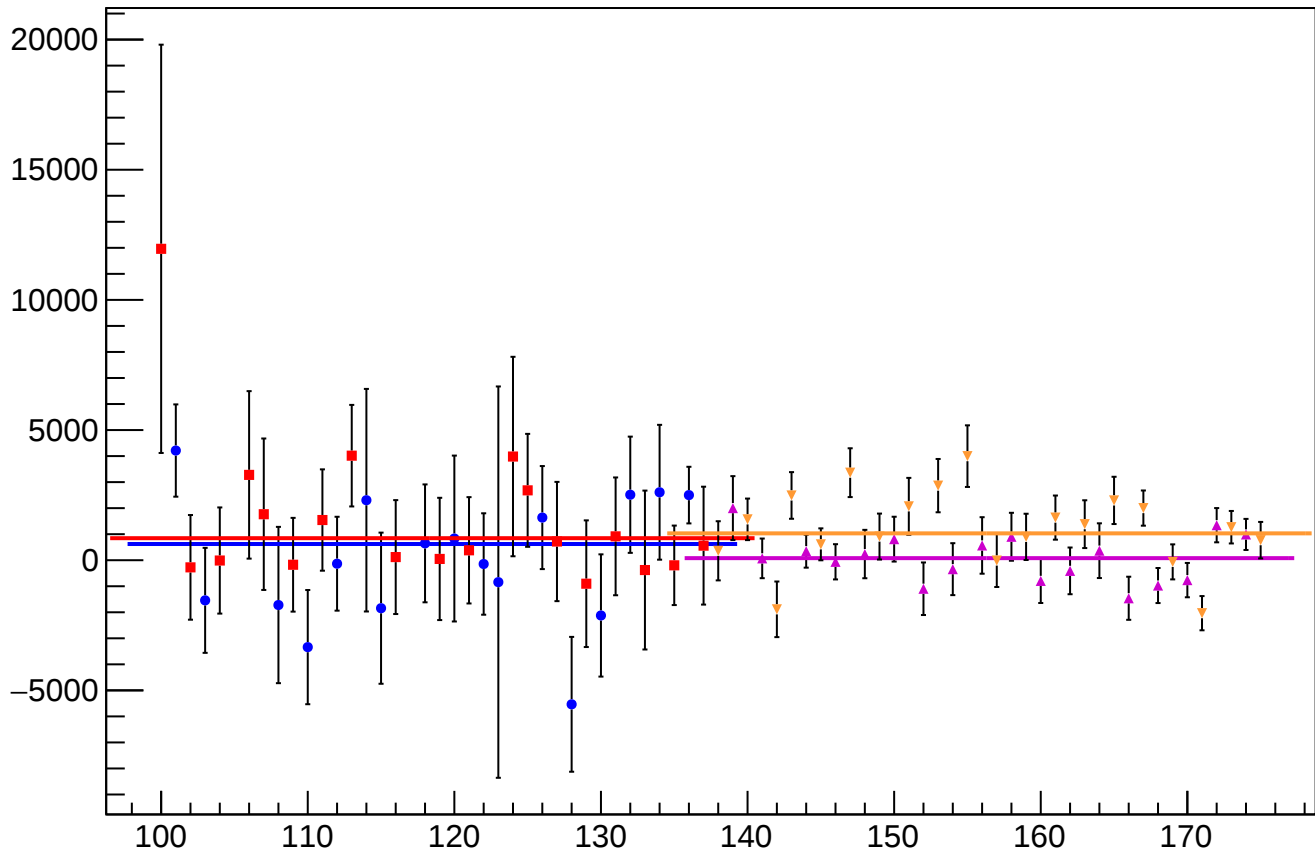
Left In: 685.315 $\pm$ 0.132 χ^2 /NDF: 1096404.2/17

+ sign 763.250 $\pm$ 0.122 χ^2 /NDF: 4093567.2/36

All: 762.903 $\pm$ 0.087 χ^2 /NDF: 8532934.5/73

- sign 762.544 $\pm$ 0.124 χ^2 /NDF: 4439350.9/36

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 ± 518.496 $\chi^2/\text{NDF}: 22.0/16$

Left Out: 1031.520 ± 184.474 $\chi^2/\text{NDF}: 58.4/19$

Right Out: 846.021 ± 516.325 $\chi^2/\text{NDF}: 9.1/18$

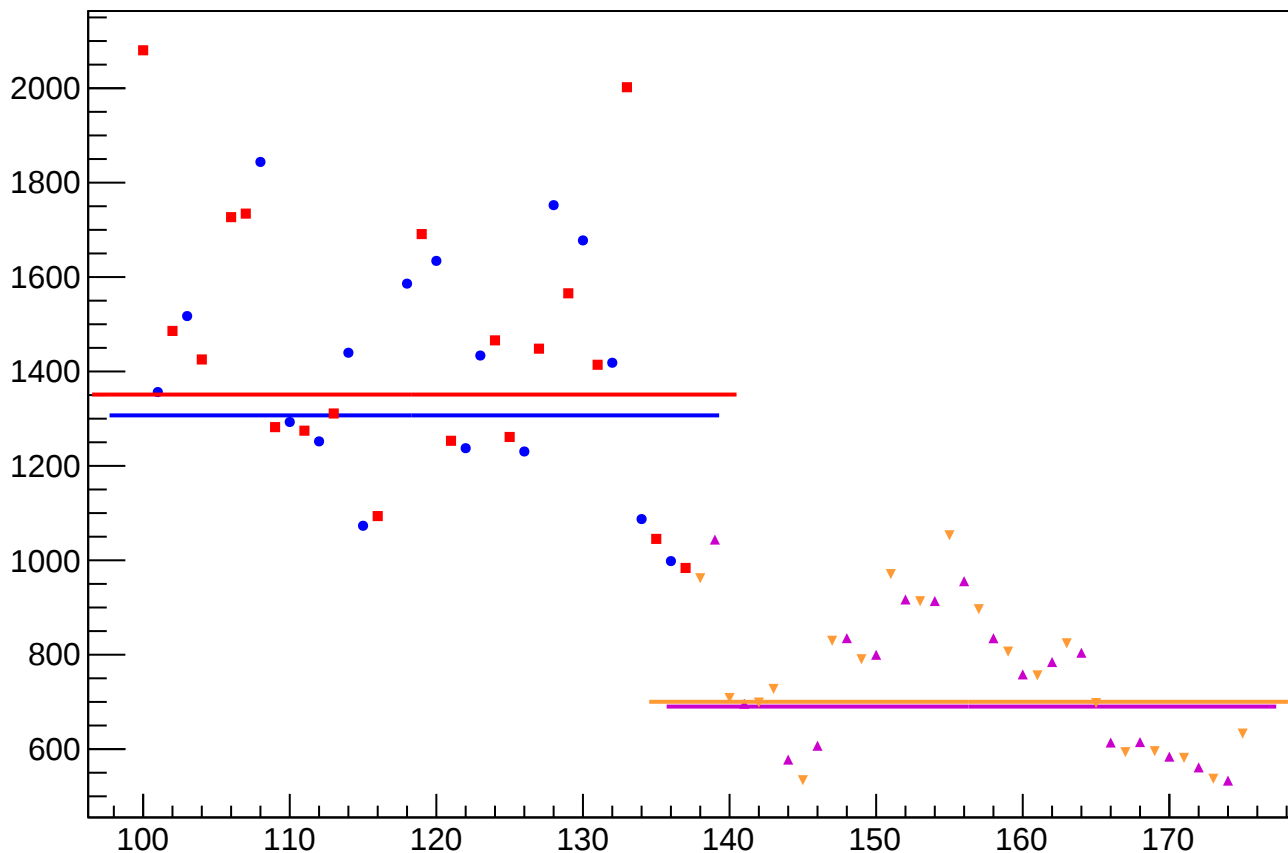
Left In: 79.531 ± 188.289 $\chi^2/\text{NDF}: 21.0/17$

+ sign 985.553 ± 173.801 $\chi^2/\text{NDF}: 80.9/36$

All: 584.722 ± 123.975 $\chi^2/\text{NDF}: 123.7/73$

- sign 169.499 ± 176.894 $\chi^2/\text{NDF}: 32.0/36$

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 $\chi^2/\text{NDF}: 451191.7/16$

Left Out: 700.278 ± 0.130 $\chi^2/\text{NDF}: 1166901.1/19$

Right Out: 1351.096 ± 0.365 $\chi^2/\text{NDF}: 421804.6/18$

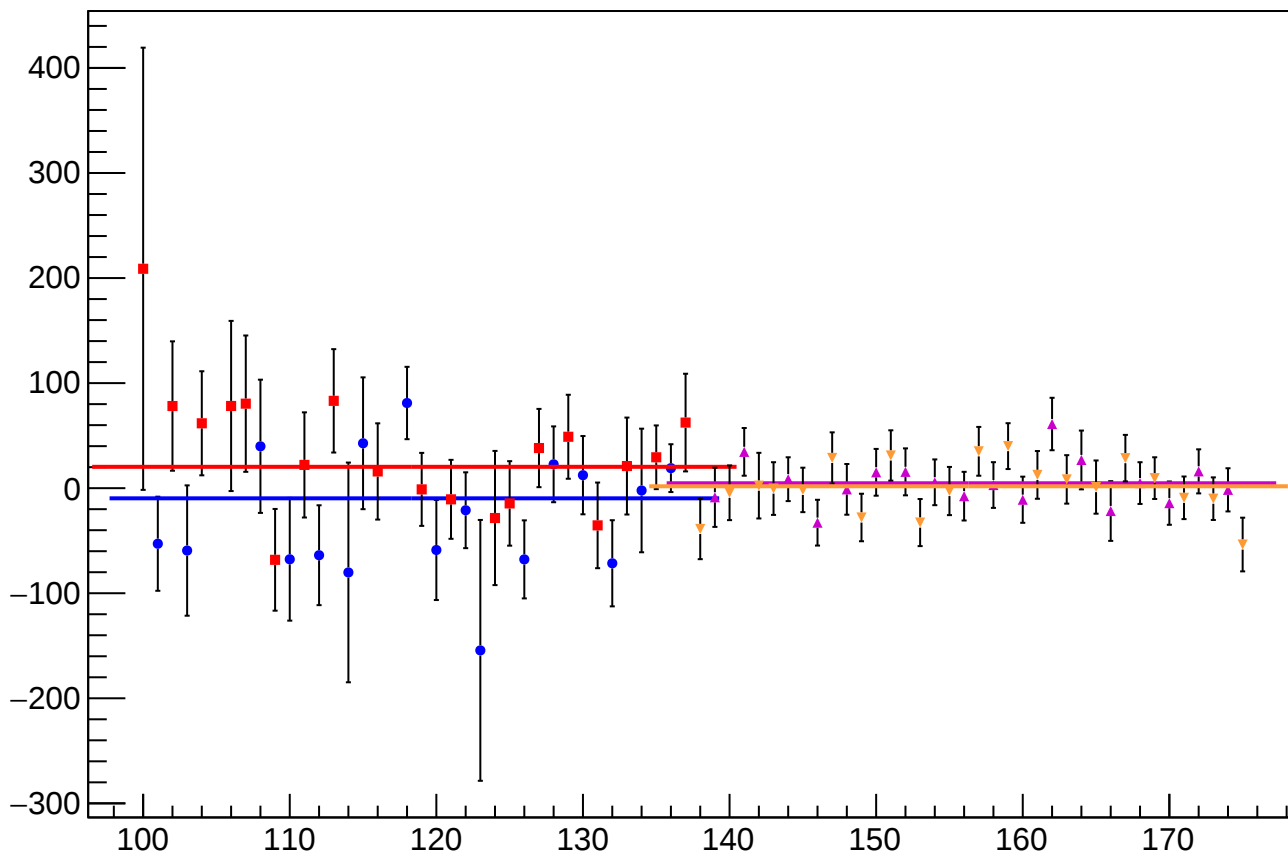
Left In: 690.133 ± 0.133 $\chi^2/\text{NDF}: 1077996.3/17$

+ sign 768.448 ± 0.123 $\chi^2/\text{NDF}: 4048769.4/36$

All: 768.087 ± 0.088 $\chi^2/\text{NDF}: 8441366.7/73$

- sign 767.714 ± 0.125 $\chi^2/\text{NDF}: 4392579.8/36$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 1.816 ± 5.190 χ^2/NDF : 21.3/19

Right Out: 20.335 ± 10.444 χ^2/NDF : 14.7/18

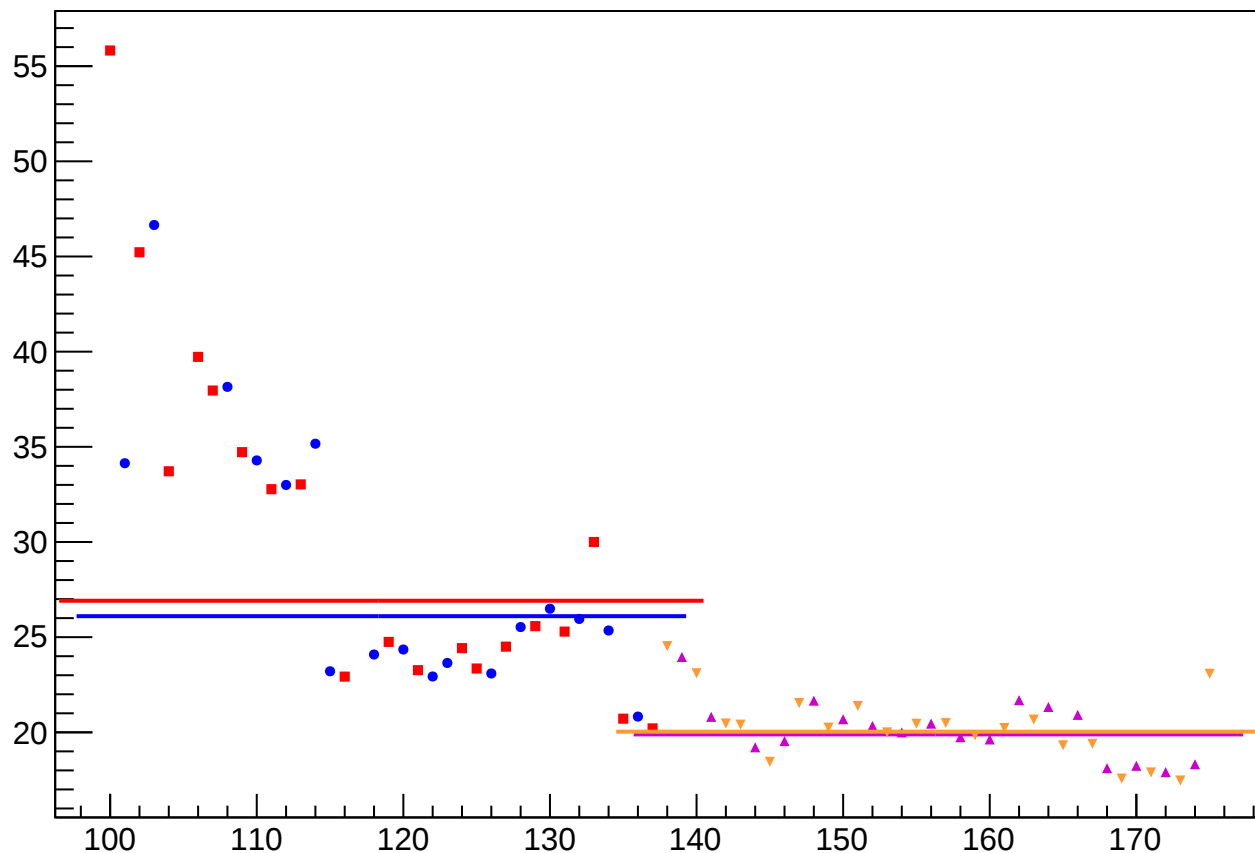
Left In: 4.672 ± 5.334 χ^2/NDF : 14.1/17

+ sign -0.471 ± 4.645 χ^2/NDF : 44.9/36

All: 3.626 ± 3.321 χ^2/NDF : 77.0/73

- sign 7.912 ± 4.750 χ^2/NDF : 30.5/36

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 20.035+/-0.004 χ^2/NDF : 222896.9/19

Right Out: 26.914+/-0.007 χ^2/NDF : 678970.2/18

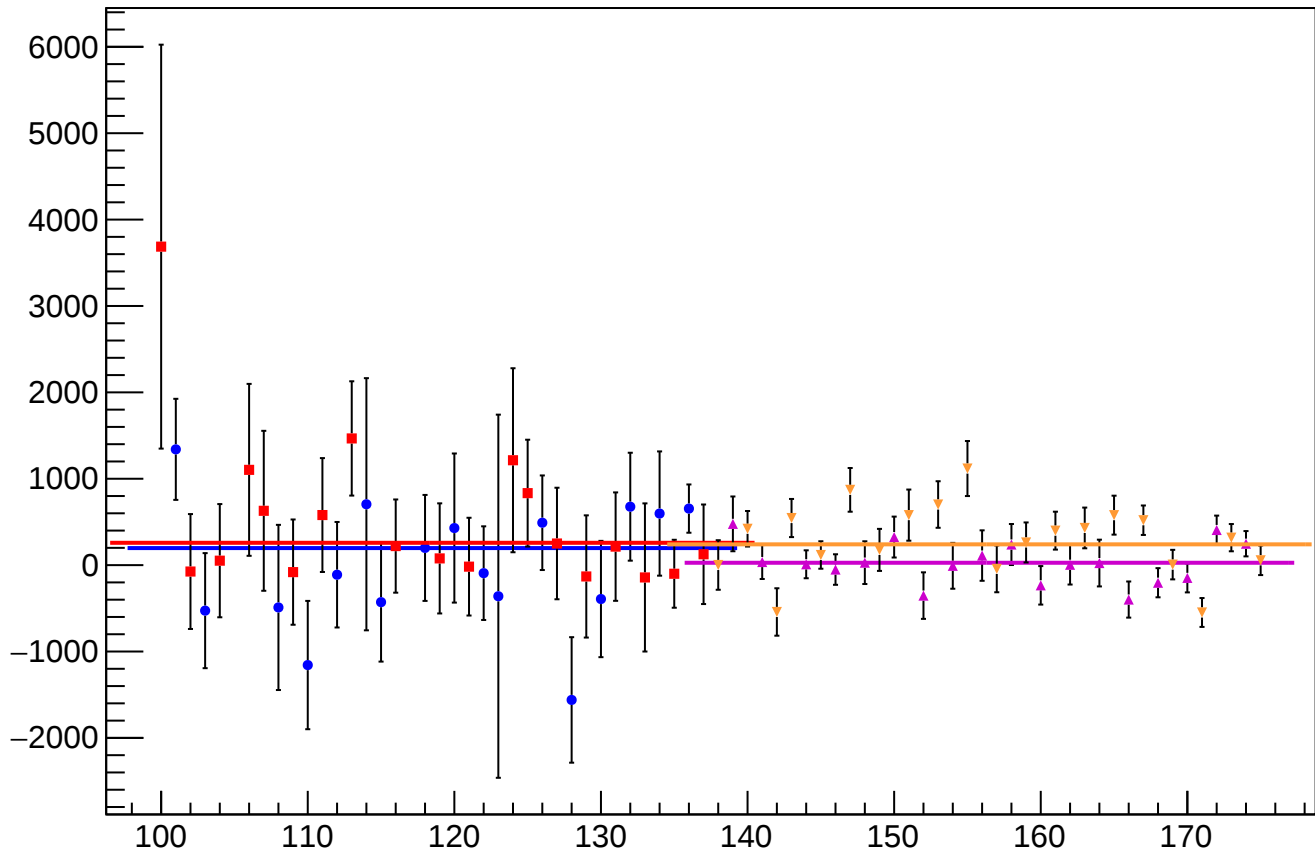
Left In: 19.892+/-0.004 χ^2/NDF : 139882.3/17

+ sign 21.244+/-0.003 χ^2/NDF : 1371278.3/36

All: 21.293+/-0.002 χ^2/NDF : 2907721.4/73

- sign 21.344+/-0.003 χ^2/NDF : 1535982.1/36

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327+/-147.883 χ^2/NDF : 21.0/16

Left Out: 240.664+/-47.344 χ^2/NDF : 63.0/19

Right Out: 258.537+/-149.867 χ^2/NDF : 10.7/18

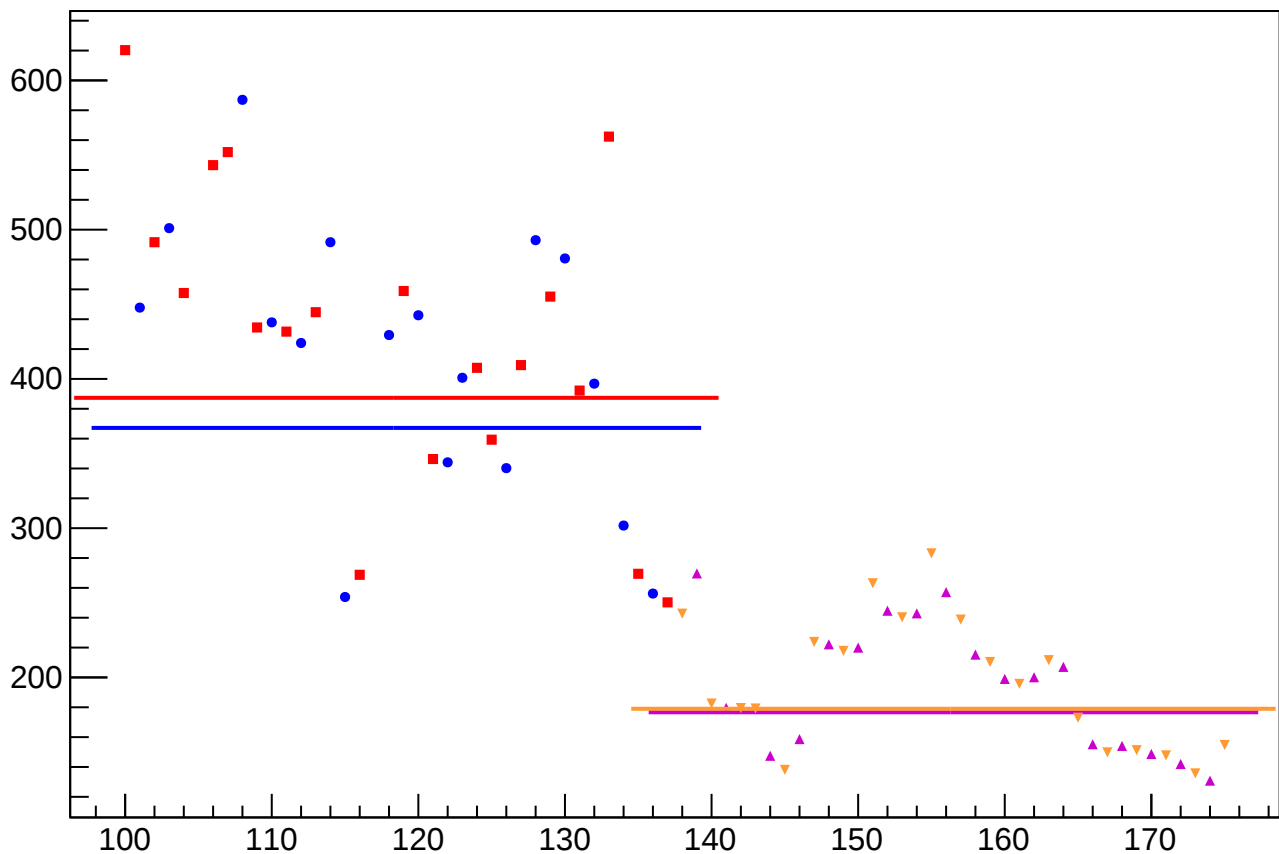
Left In: 27.396+/-48.406 χ^2/NDF : 22.6/17

+ sign 236.635+/-45.090 χ^2/NDF : 84.0/36

All: 144.933+/-32.222 χ^2/NDF : 127.9/73

- sign 49.232+/-46.063 χ^2/NDF : 35.5/36

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 179.010 $\pm$ 0.033 χ^2 /NDF:1381251.4/19

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

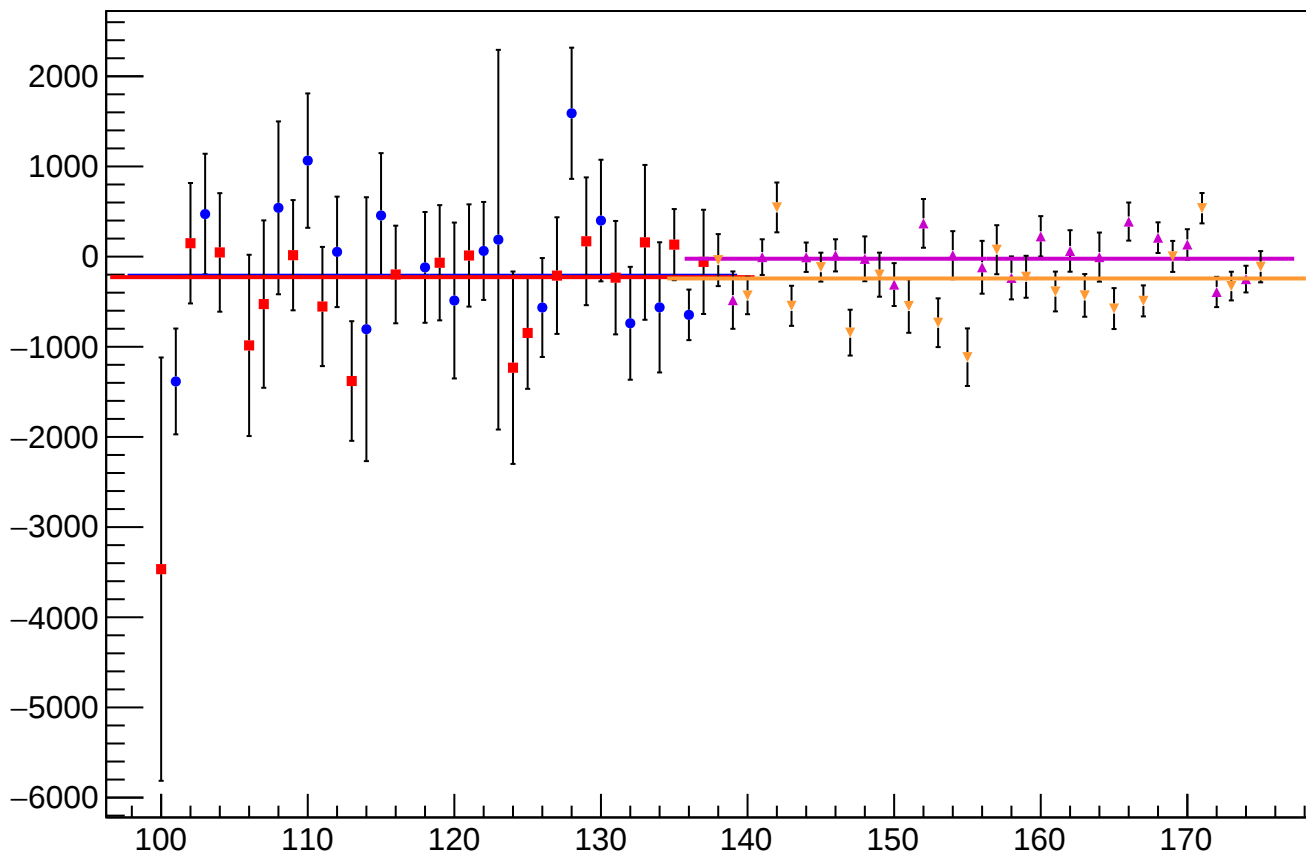
Left In: 176.639 $\pm$ 0.034 χ^2 /NDF:1311154.6/17

+ sign 196.503 $\pm$ 0.032 χ^2 /NDF: 5145492.3/36

All: 196.523 $\pm$ 0.023 χ^2 /NDF: 10811124.3/73

- sign 196.543 $\pm$ 0.033 χ^2 /NDF: 5665631.3/36

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -242.337 ± 47.671 χ^2/NDF : 60.4/19

Right Out: -227.831 ± 150.317 χ^2/NDF : 10.1/18

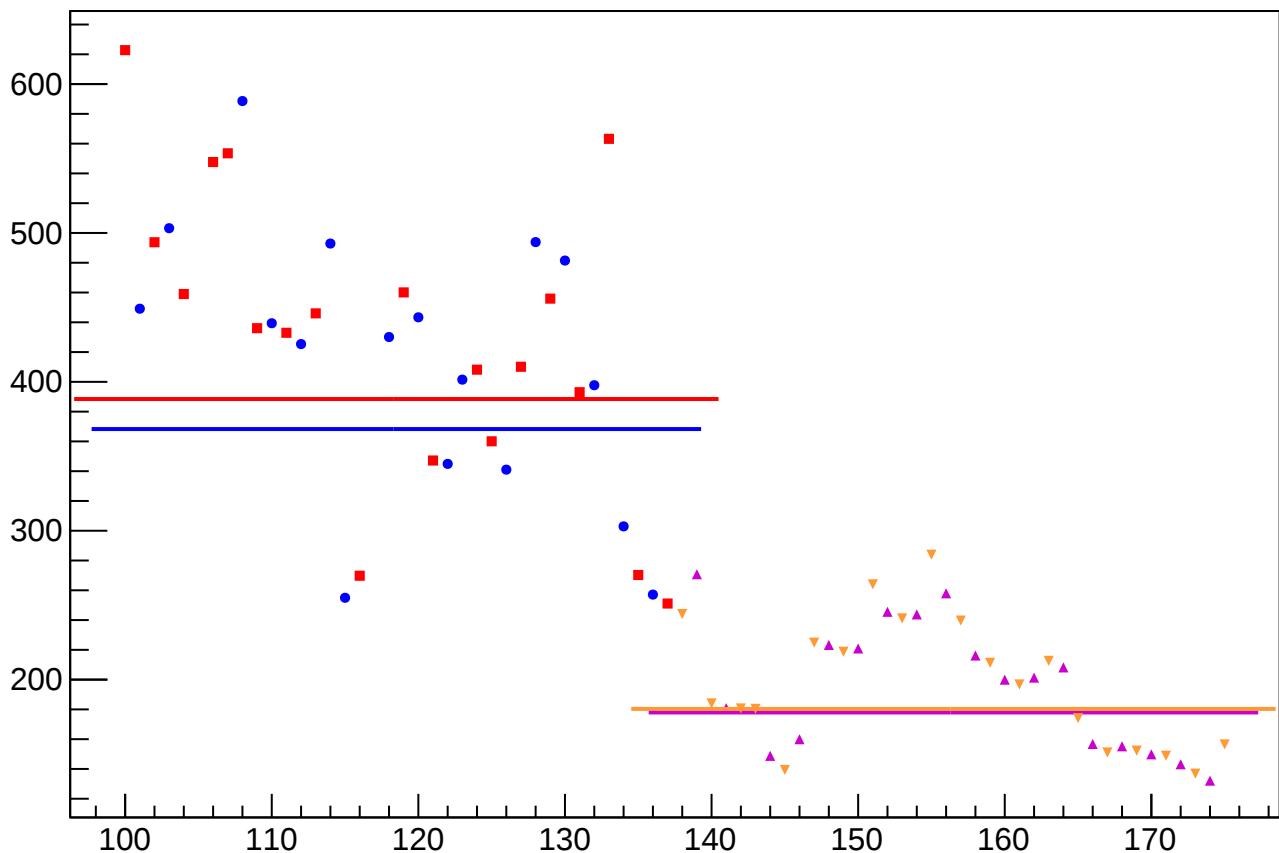
Left In: -23.467 ± 48.742 χ^2/NDF : 21.7/17

+ sign -239.484 ± 45.384 χ^2/NDF : 81.4/36

All: -143.298 ± 32.433 χ^2/NDF : 124.0/73

- sign -42.910 ± 46.365 χ^2/NDF : 33.5/36

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302+/-0.105 χ^2/NDF : 824619.2/16

Left Out: 180.324+/-0.034 χ^2/NDF :1358217.9/19

Right Out: 388.472+/-0.106 χ^2/NDF : 774717.2/18

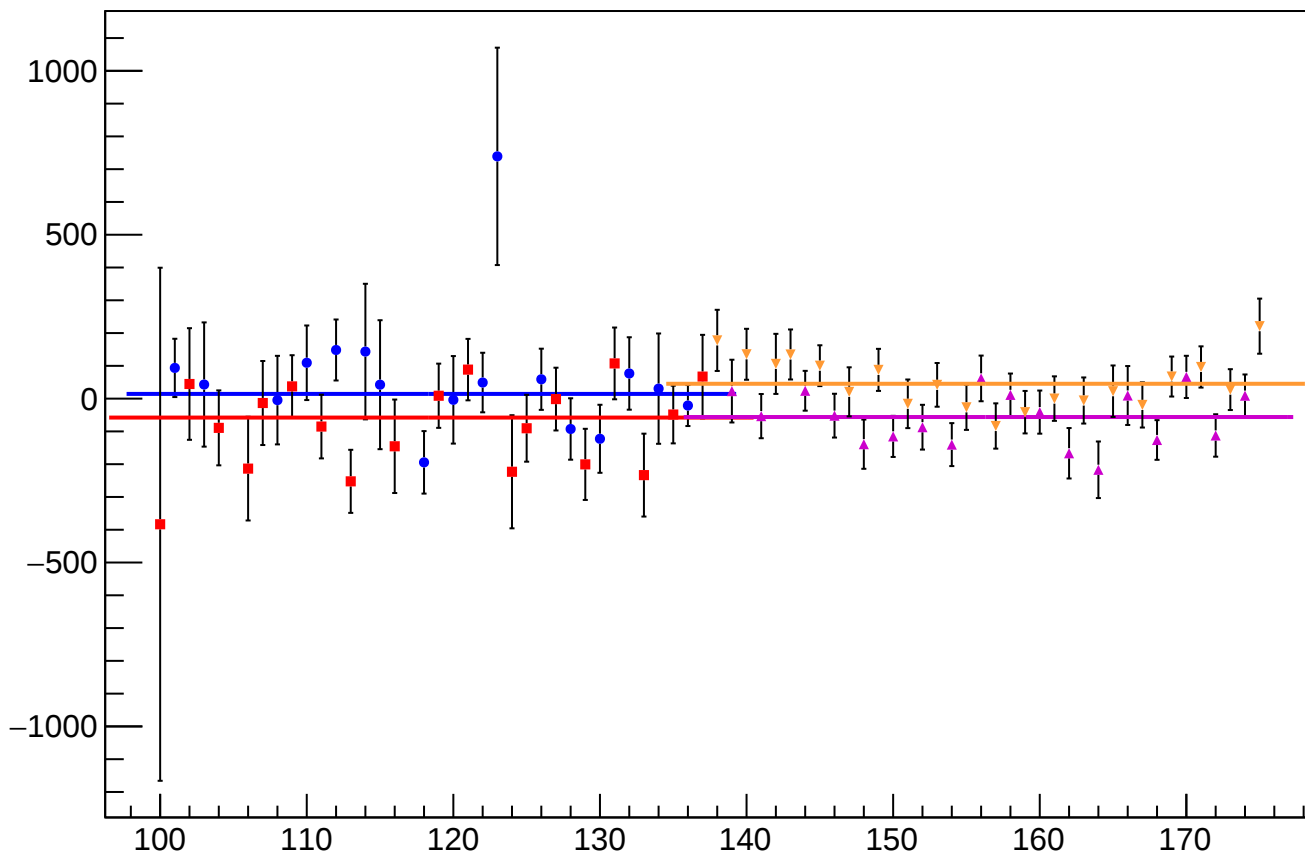
Left In: 177.947+/-0.034 χ^2/NDF :1288396.3/17

+ sign 197.925+/-0.032 χ^2/NDF : 5094684.3/36

All: 197.950+/-0.023 χ^2/NDF : 10707631.5/73

- sign 197.976+/-0.033 χ^2/NDF : 5612946.0/36

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 ± 26.334 $\chi^2/\text{NDF}: 17.7/16$

Left Out: -57.795 ± 26.121 $\chi^2/\text{NDF}: 18.4/18$

Right Out: -57.795 ± 26.121 $\chi^2/\text{NDF}: 18.4/18$

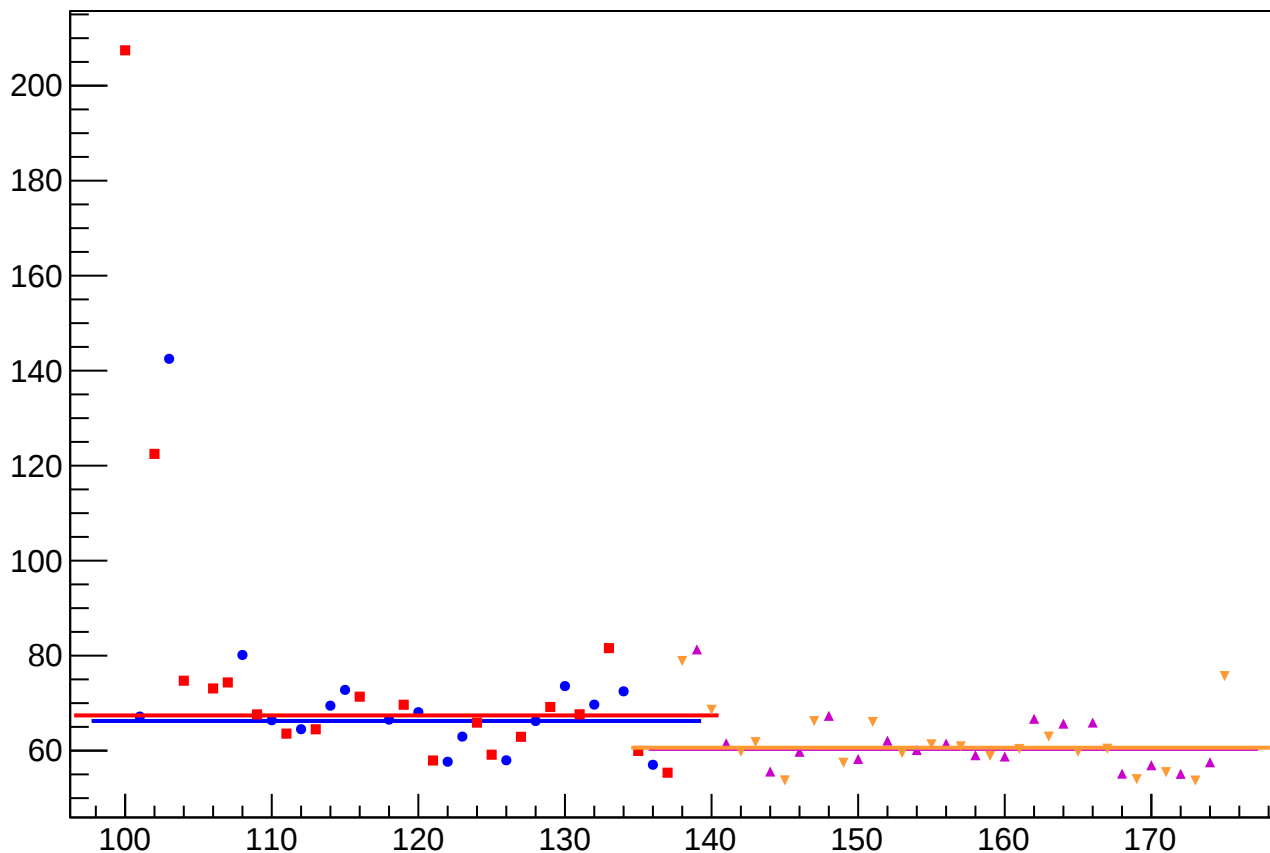
Left In: -56.116 ± 16.232 $\chi^2/\text{NDF}: 23.2/17$

+ sign 37.151 ± 13.521 $\chi^2/\text{NDF}: 39.4/36$

All: -8.805 ± 9.653 $\chi^2/\text{NDF}: 104.6/73$

- sign -56.584 ± 13.787 $\chi^2/\text{NDF}: 41.6/36$

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247 ± 0.019 χ^2/NDF : 440944.2/16

Left Out: 60.619 ± 0.011 χ^2/NDF : 280230.0/19

Right Out: 67.415 ± 0.018 χ^2/NDF : 393608.5/18

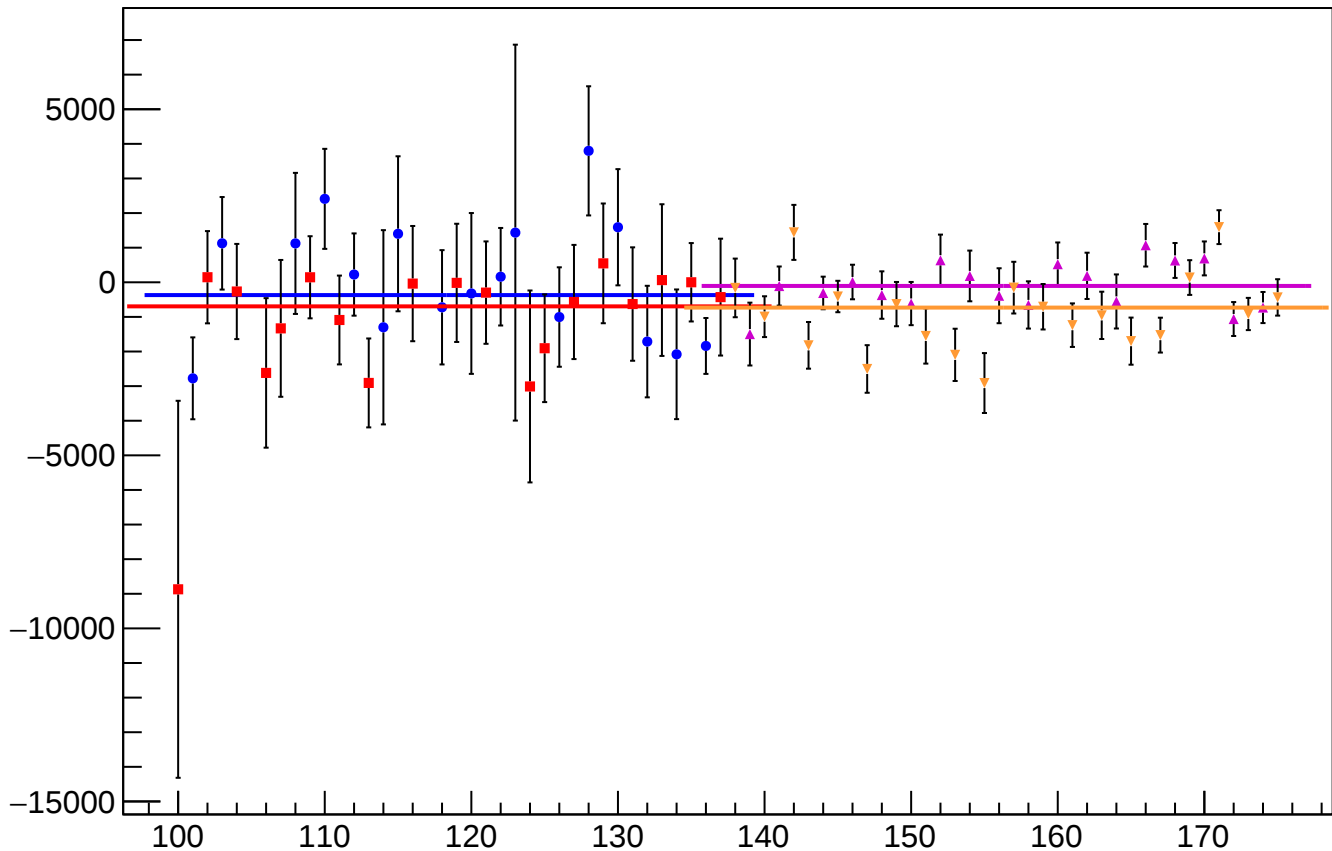
Left In: 60.369 ± 0.011 χ^2/NDF : 198525.3/17

+ sign 62.103 ± 0.010 χ^2/NDF : 788442.3/36

All: 62.215 ± 0.007 χ^2/NDF : 1485861.8/73

- sign 62.332 ± 0.010 χ^2/NDF : 697139.1/36

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 ± 366.432 χ^2/NDF : 22.3/16

Left Out: -730.831 ± 136.873 χ^2/NDF : 60.5/19

Right Out: -695.425 ± 361.887 χ^2/NDF : 9.9/18

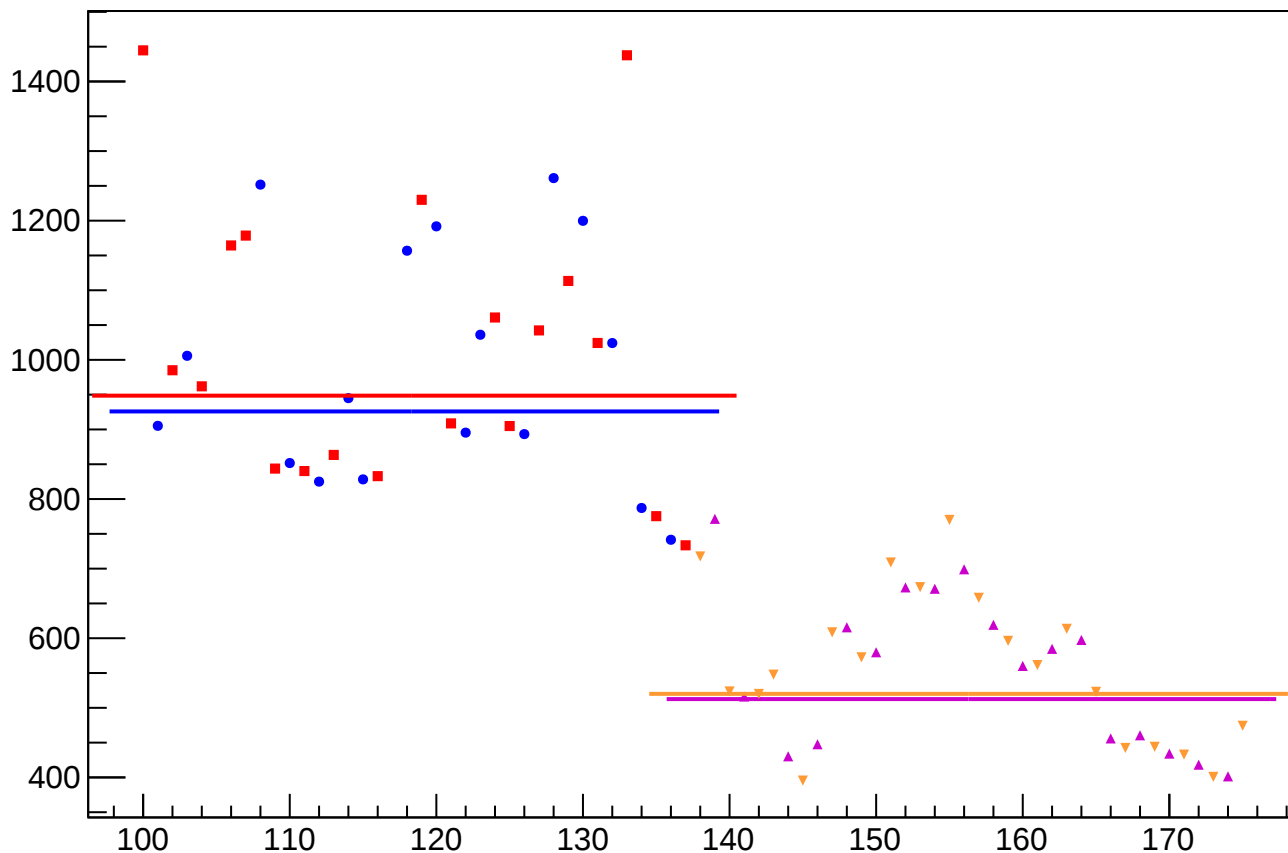
Left In: -105.209 ± 139.682 χ^2/NDF : 21.0/17

+ sign -686.596 ± 128.220 χ^2/NDF : 83.6/36

All: -438.252 ± 91.396 χ^2/NDF : 124.5/73

- sign -181.739 ± 130.312 χ^2/NDF : 33.3/36

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 520.079 $\pm$ 0.097 χ^2 /NDF:1115394.7/19

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

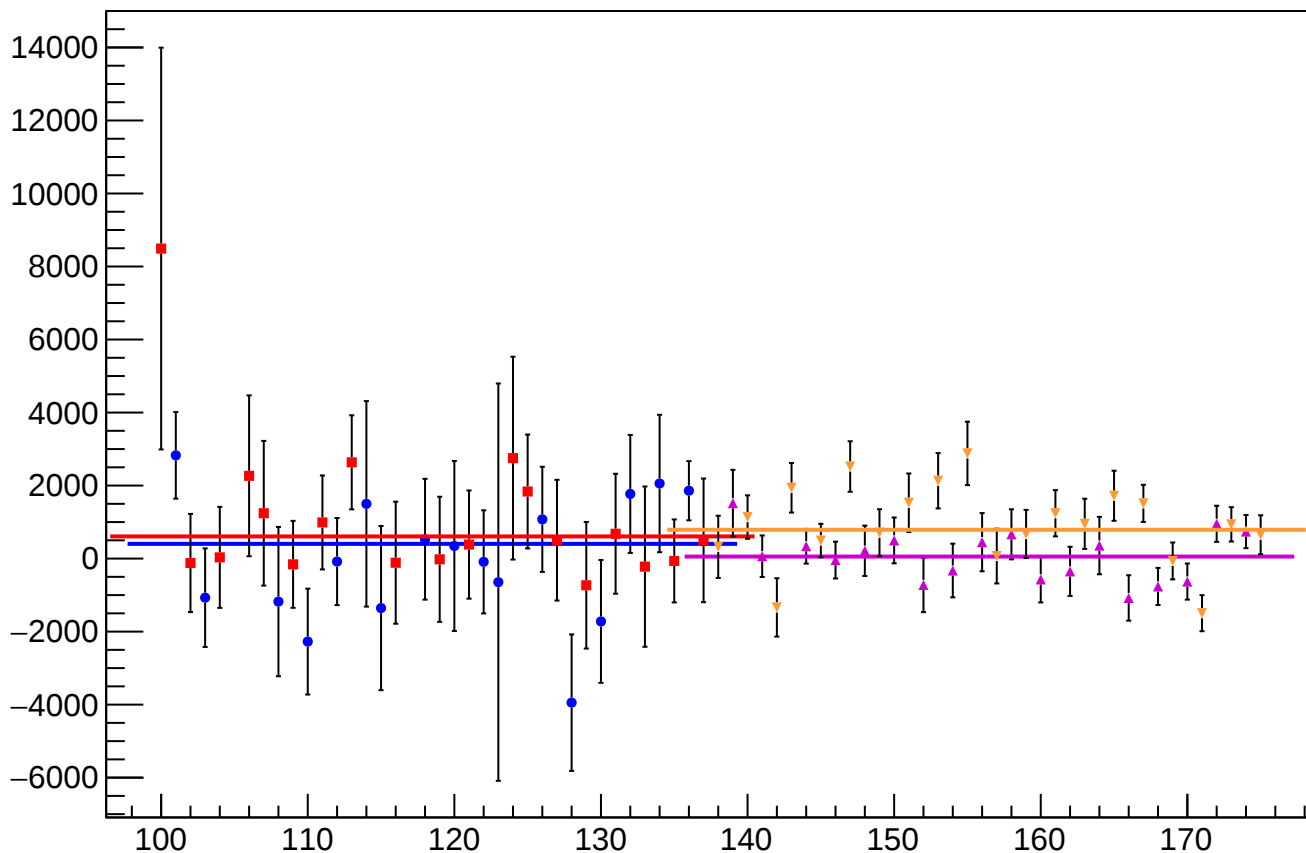
Left In: 512.556 $\pm$ 0.099 χ^2 /NDF:1016796.5/17

+ sign 569.766 $\pm$ 0.091 χ^2 /NDF: 3659038.0/36

All: 569.433 $\pm$ 0.065 χ^2 /NDF: 7584399.8/73

- sign 569.089 $\pm$ 0.092 χ^2 /NDF: 3925334.3/36

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 788.758+/-137.906 χ^2/NDF :56.9/19

Right Out: 607.276+/-363.327 χ^2/NDF : 8.8/18

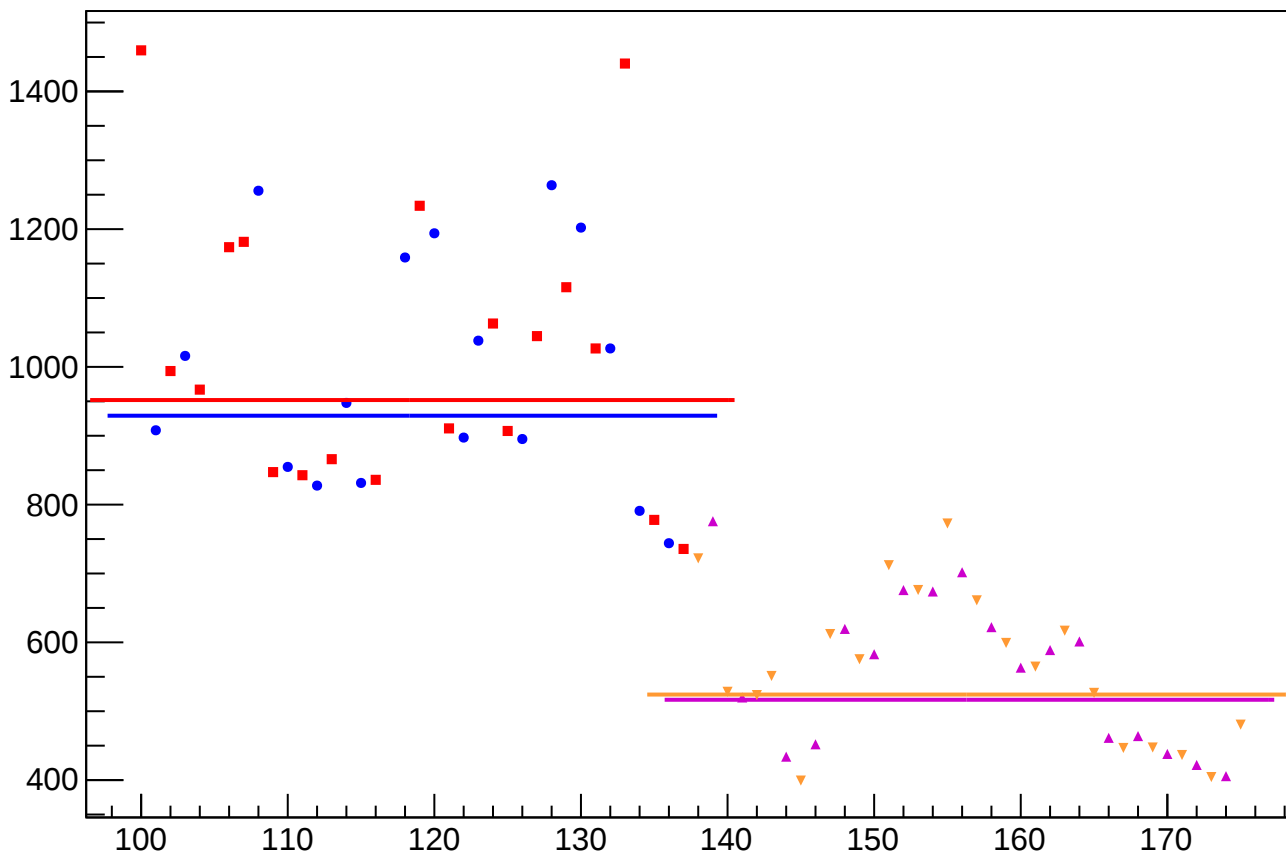
Left In: 55.875+/-140.742 χ^2/NDF :20.8/17

+ sign 741.257+/-129.123 χ^2/NDF : 80.3/36

All: 439.523+/-92.043 χ^2/NDF : 123.0/73

- sign 127.819+/-131.239 χ^2/NDF : 31.6/36

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 524.202 $\pm$ 0.098 χ^2 /NDF:1094440.6/19

Right Out: 951.847 $\pm$ 0.257 χ^2 /NDF: 382219.3/18

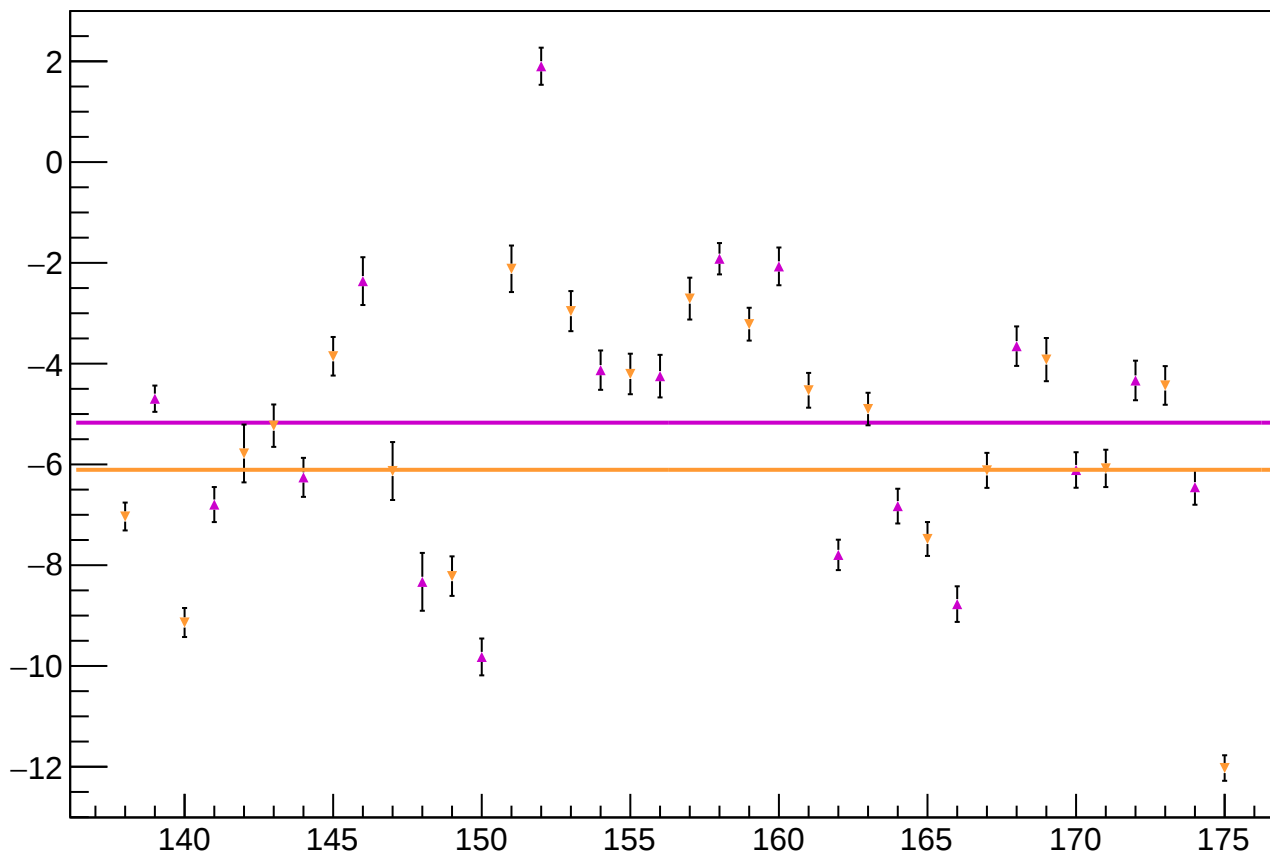
Left In: 516.639 $\pm$ 0.100 χ^2 /NDF:997384.2/17

+ sign 574.136 $\pm$ 0.091 χ^2 /NDF: 3610905.0/36

All: 573.785 $\pm$ 0.065 χ^2 /NDF: 7485761.1/73

- sign 573.423 $\pm$ 0.093 χ^2 /NDF: 3874826.1/36

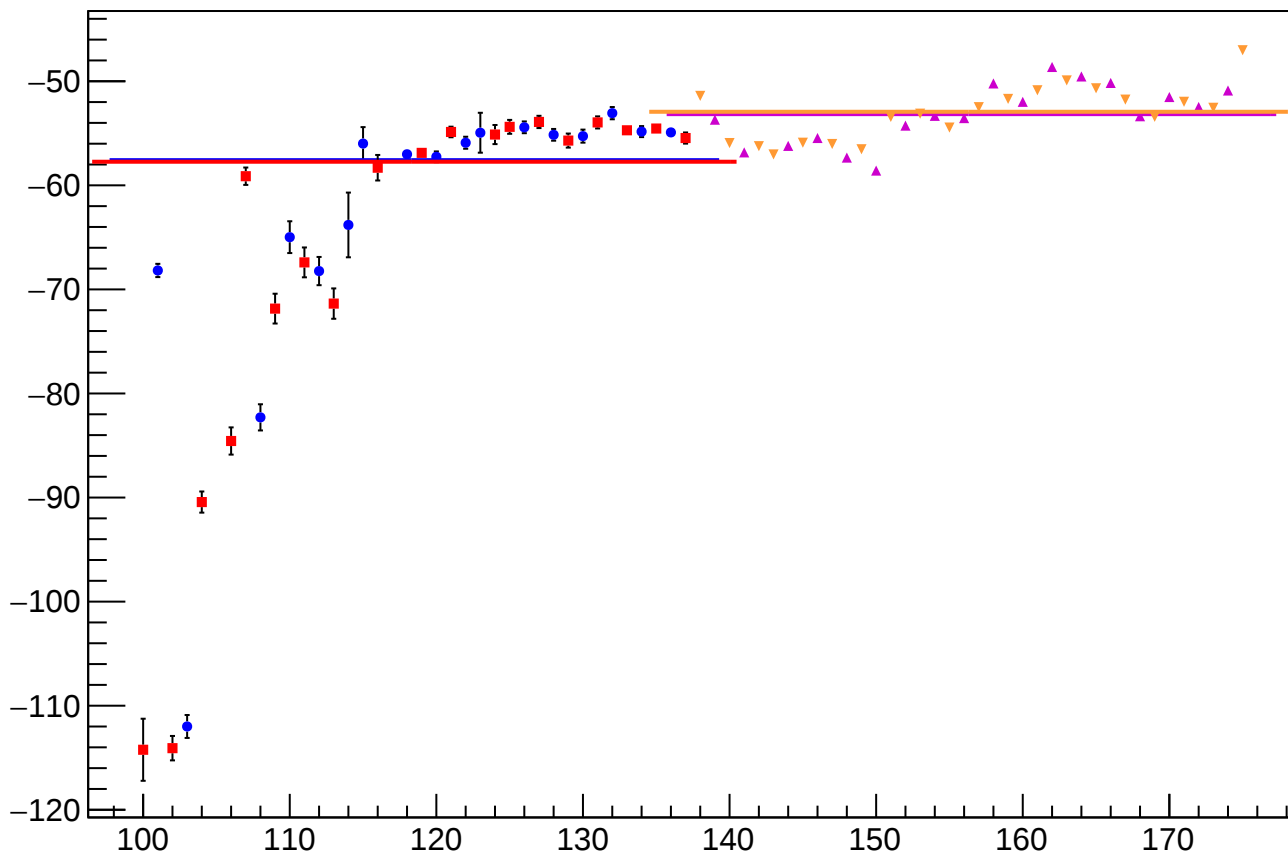
reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.107+/-0.081 χ^2 /NDF:1137.6/19
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: -5.172+/-0.085 χ^2 /NDF:1061.2/17

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0
 All: -5.663+/-0.059 χ^2 /NDF: 2262.3/37
 - 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: -52.932 +/- 0.062 χ^2/NDF : 1818.4/19

Right Out: -57.732 +/- 0.143 χ^2/NDF : 4698.5/18

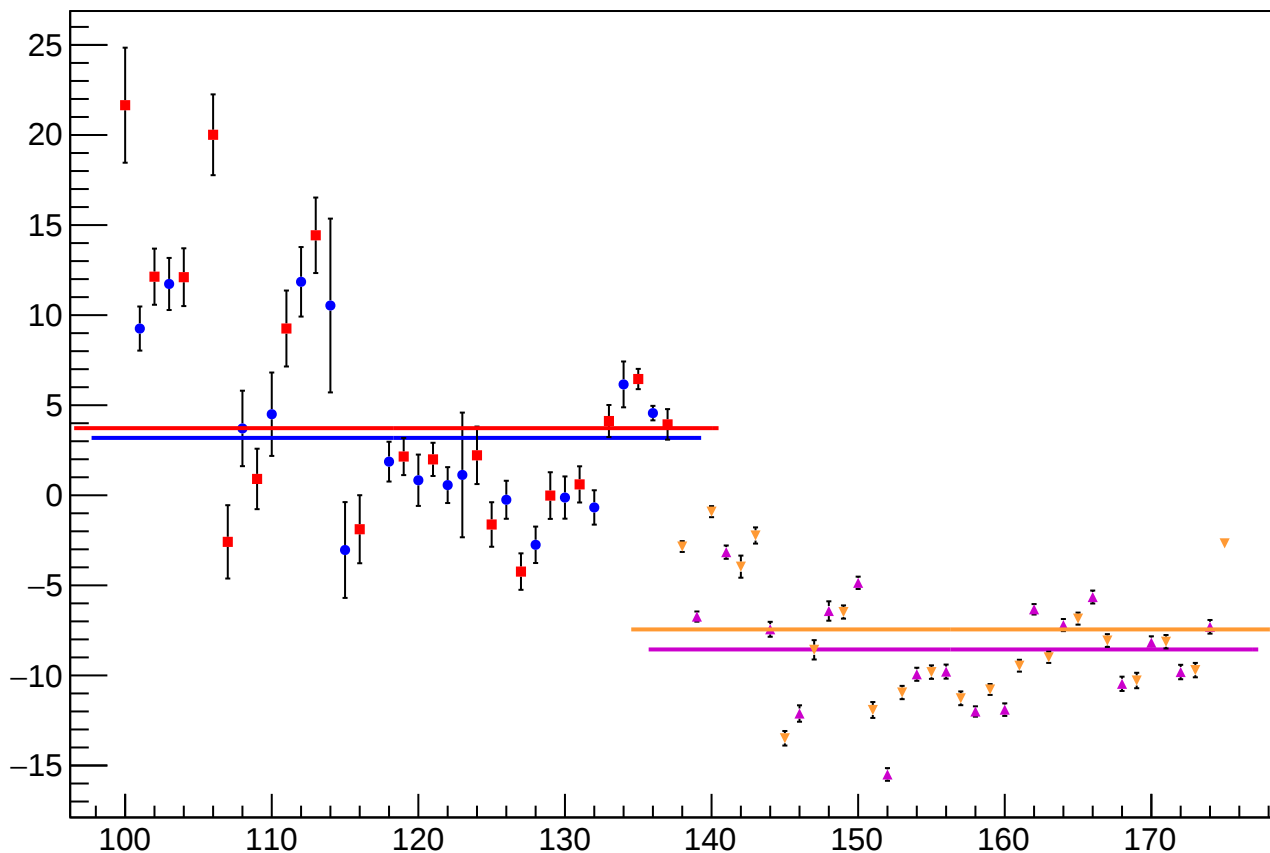
Left In: -53.160 +/- 0.066 χ^2/NDF : 1992.6/17

+ sign -53.667 +/- 0.057 χ^2/NDF : 6163.0/36

All: -53.805 +/- 0.041 χ^2/NDF : 13710.9/73

- sign -53.958 +/- 0.060 χ^2/NDF : 7535.3/36

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.446 ± 0.080 χ^2/NDF : 2050.0/19

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

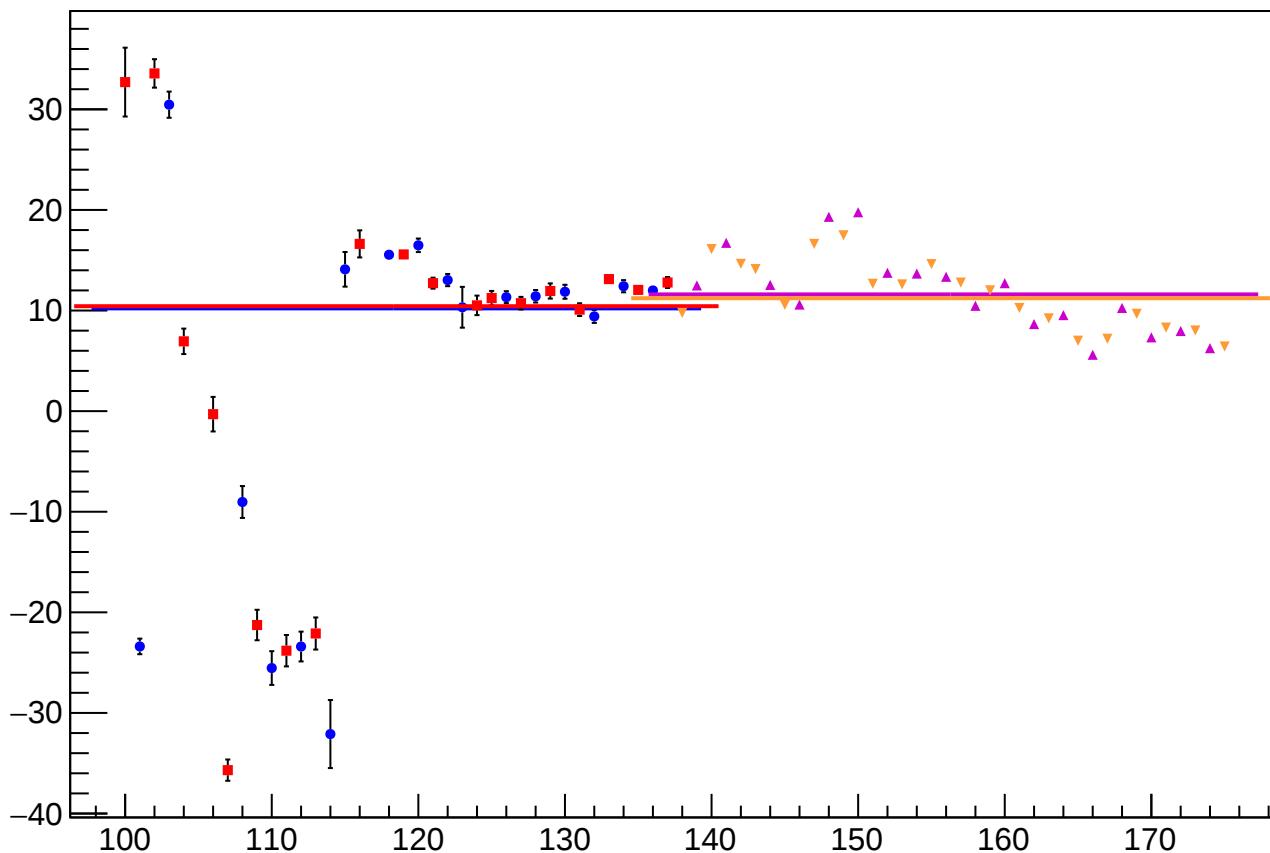
Left In: -8.558 ± 0.084 χ^2/NDF : 1289.5/17

+ sign -6.512 ± 0.077 χ^2/NDF : 3772.6/36

All: -6.960 ± 0.056 χ^2/NDF : 7376.0/73

- sign -7.451 ± 0.080 χ^2/NDF : 3531.9/36

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 11.224 $\pm$ 0.070 χ^2 /NDF: 2196.8/19

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

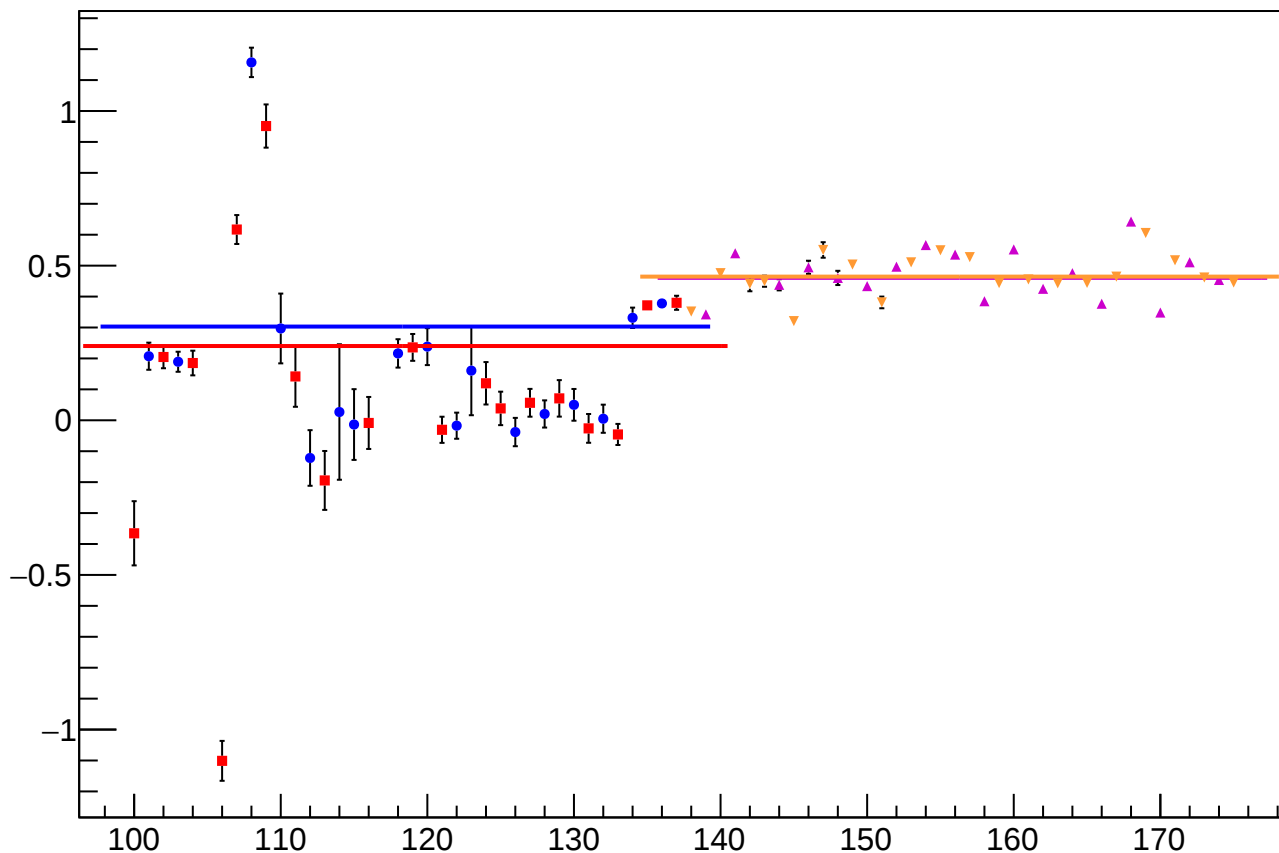
Left In: 11.603 $\pm$ 0.074 χ^2 /NDF: 2760.2/17

+ sign 11.059 $\pm$ 0.064 χ^2 /NDF: 5923.5/36

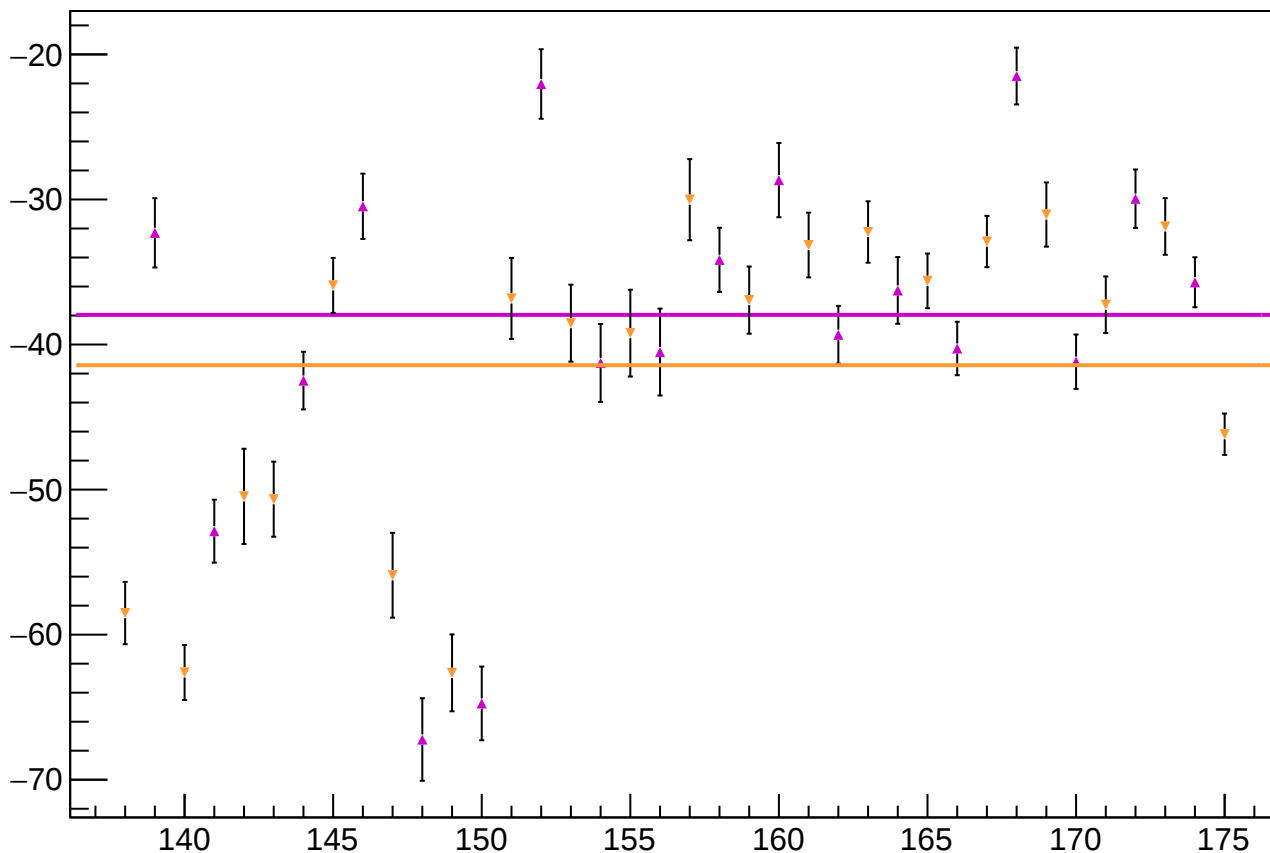
All: 11.221 $\pm$ 0.046 χ^2 /NDF: 12568.5/73

- sign 11.398 $\pm$ 0.067 χ^2 /NDF: 6631.5/36

reg_asym_sam1_diff_bpm12X_slope vs Slug



reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -41.423 $\pm$ 0.487 χ^2 /NDF:457.4/19

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

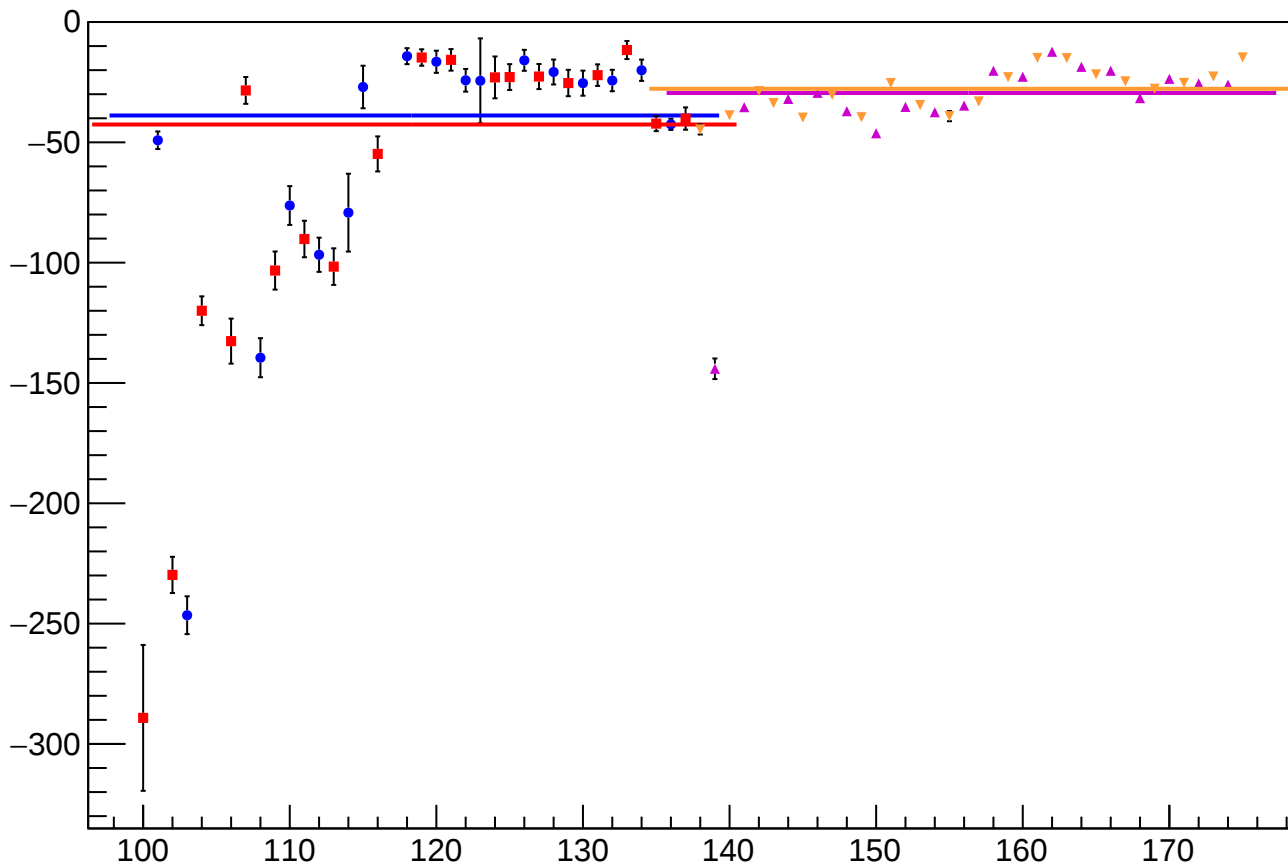
Left In: -37.954 $\pm$ 0.516 χ^2 /NDF:442.3/17

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

All: -39.787 $\pm$ 0.354 χ^2 /NDF: 923.7/37

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

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -27.745 ± 0.365 $\chi^2/\text{NDF}: 553.6/19$

Right Out: -42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

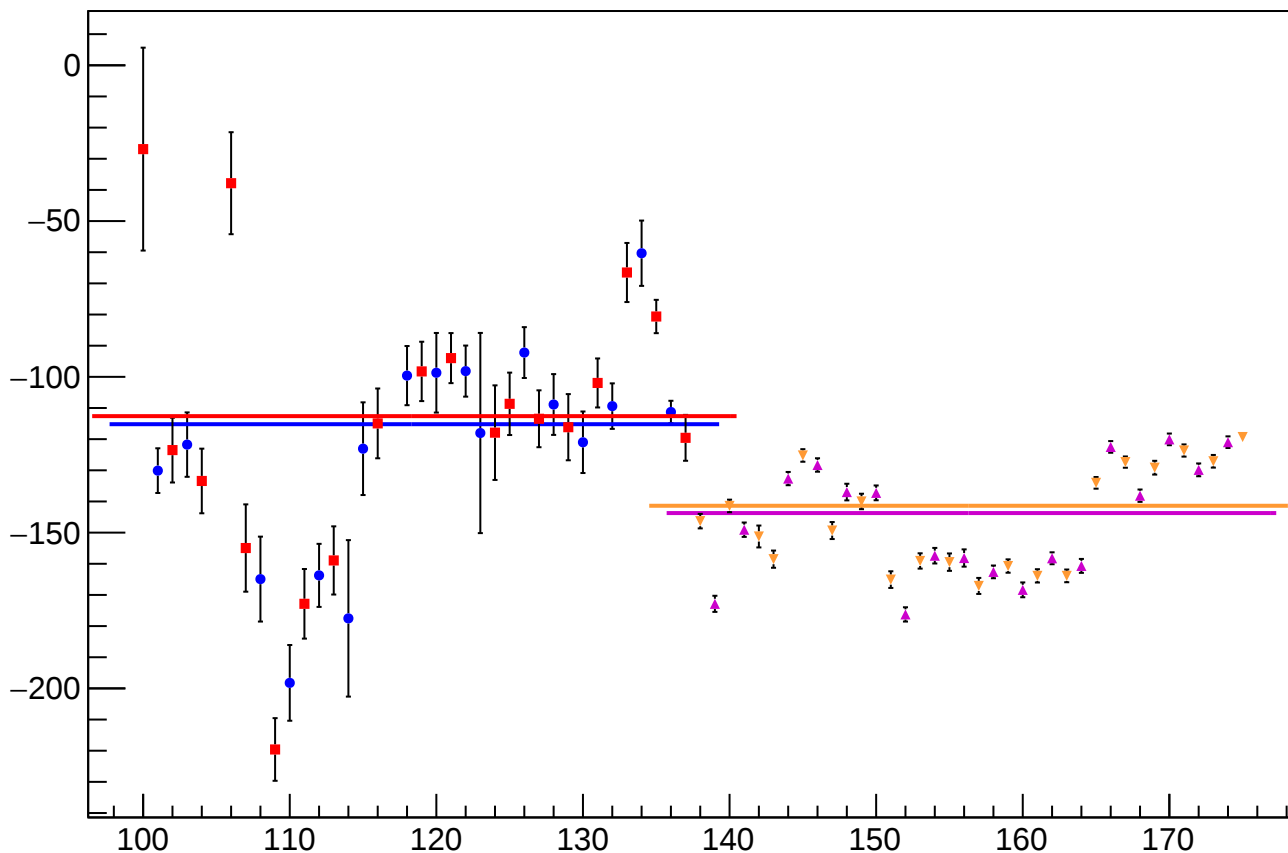
Left In: -29.501 ± 0.385 $\chi^2/\text{NDF}: 1159.1/17$

+ sign -28.766 ± 0.348 $\chi^2/\text{NDF}: 1760.4/36$

All: -29.684 ± 0.253 $\chi^2/\text{NDF}: 4386.0/73$

- sign -30.705 ± 0.367 $\chi^2/\text{NDF}: 2610.9/36$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -141.378 ± 0.486 $\chi^2/\text{NDF}: 1187.5/19$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

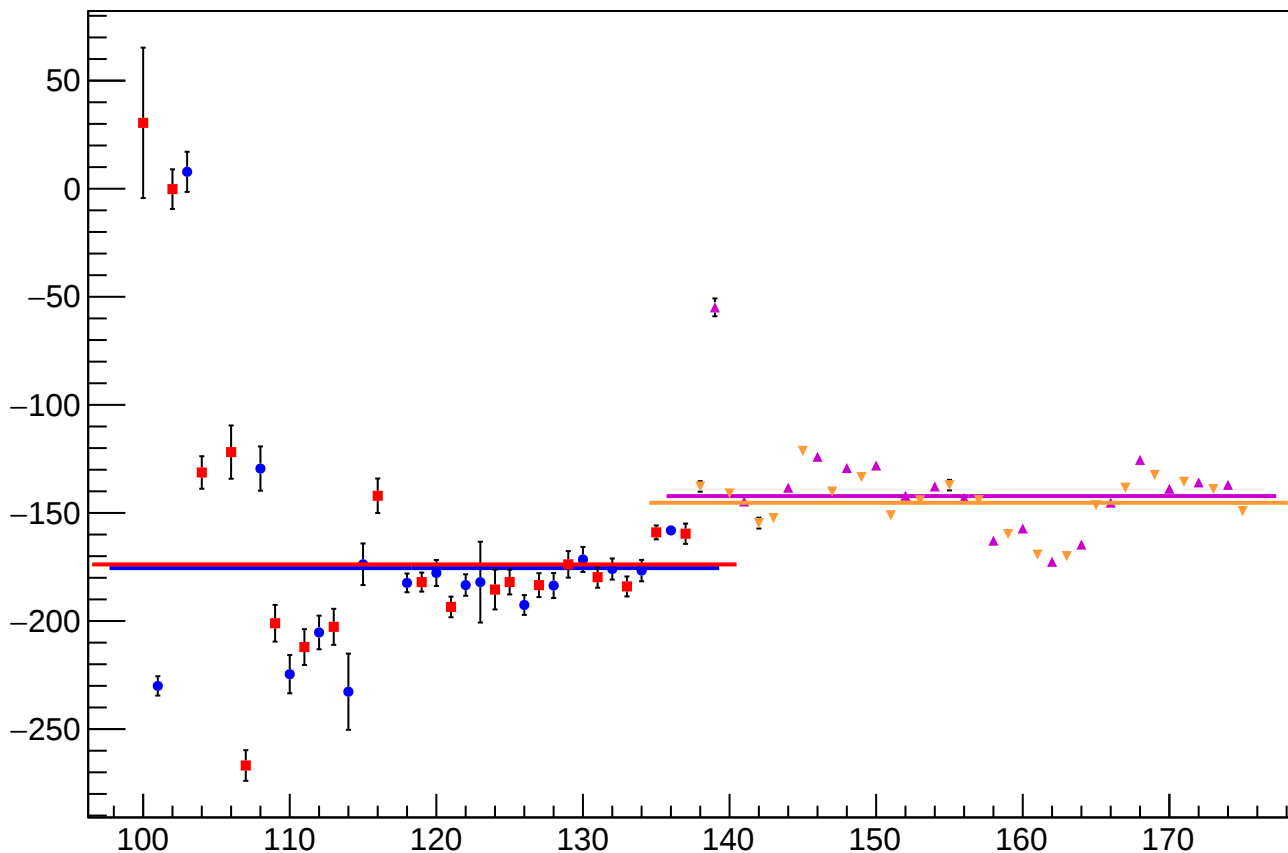
Left In: -143.722 ± 0.513 $\chi^2/\text{NDF}: 1278.9/17$

+ sign -140.026 ± 0.473 $\chi^2/\text{NDF}: 1478.2/36$

All: -141.022 ± 0.343 $\chi^2/\text{NDF}: 3227.1/73$

- sign -142.133 ± 0.499 $\chi^2/\text{NDF}: 1739.5/36$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -145.302 ± 0.415 χ^2/NDF : 909.1/19

Right Out: -173.830 ± 1.357 χ^2/NDF : 737.9/18

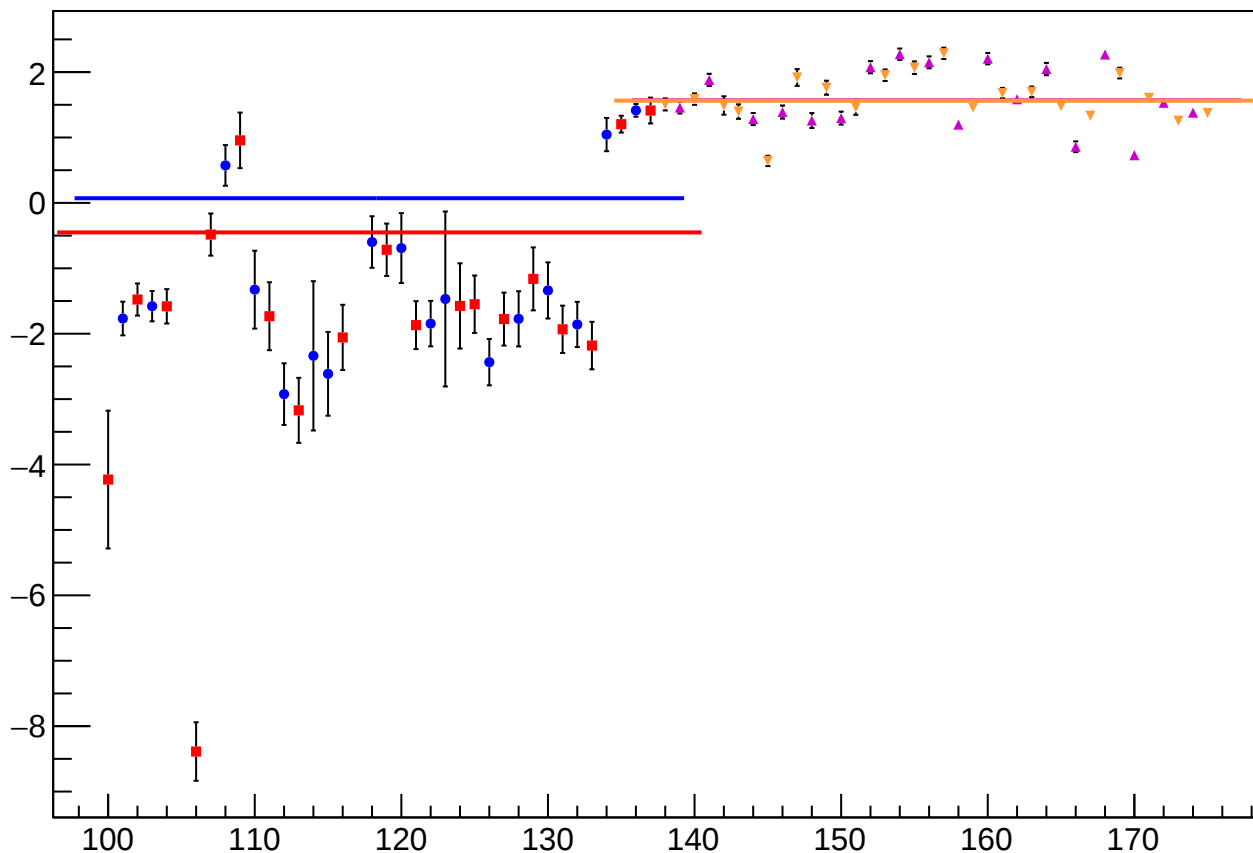
Left In: -142.207 ± 0.437 χ^2/NDF : 1463.4/17

+ sign -148.183 ± 0.394 χ^2/NDF : 2108.0/36

All: -146.766 ± 0.286 χ^2/NDF : 4828.8/73

- sign -145.186 ± 0.416 χ^2/NDF : 2693.5/36

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.564 ± 0.019 χ^2/NDF : 336.0/19

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

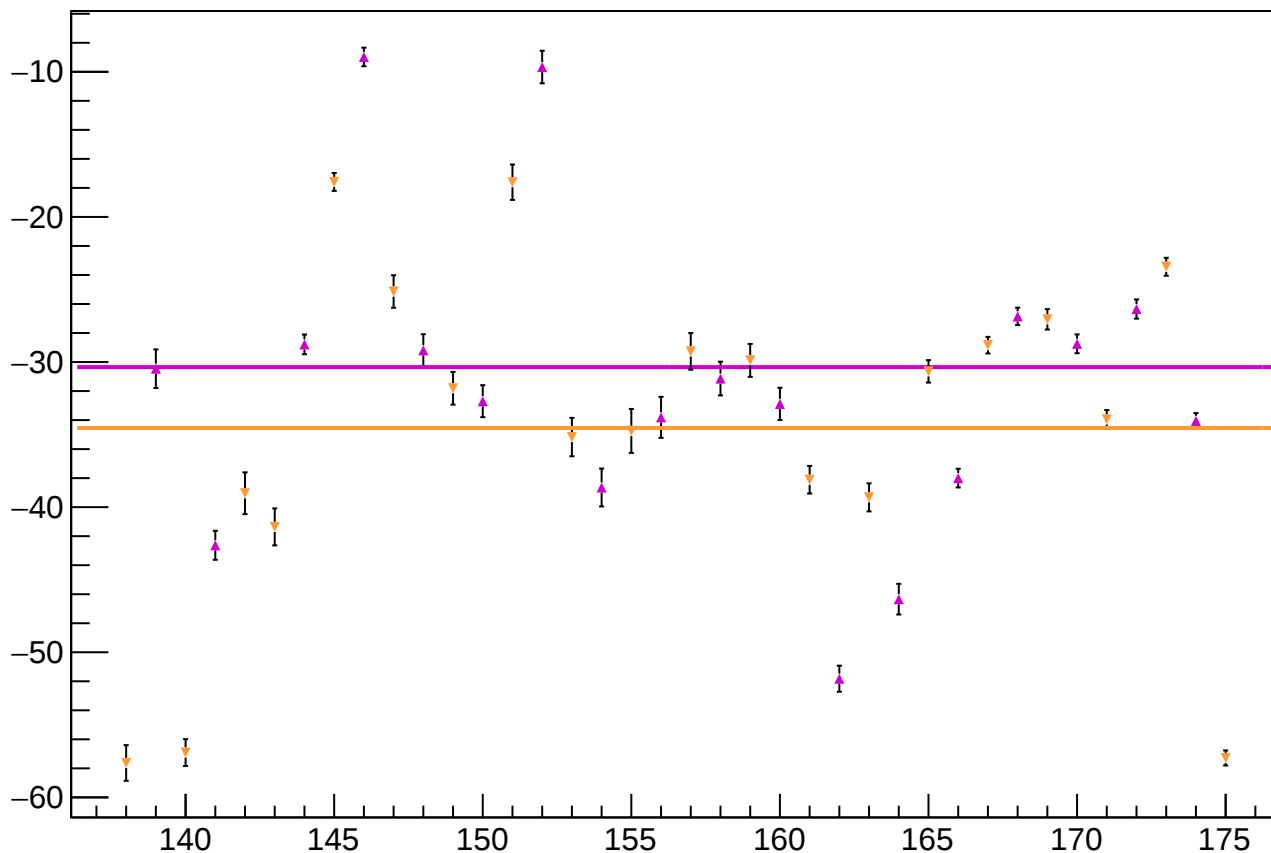
Left In: 1.569 ± 0.020 χ^2/NDF : 599.3/17

+ sign 1.451 ± 0.018 χ^2/NDF : 1317.9/36

All: 1.438 ± 0.013 χ^2/NDF : 3414.4/73

- sign 1.424 ± 0.019 χ^2/NDF : 2095.5/36

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -34.541 ± 0.189 χ^2/NDF : 4553.8/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

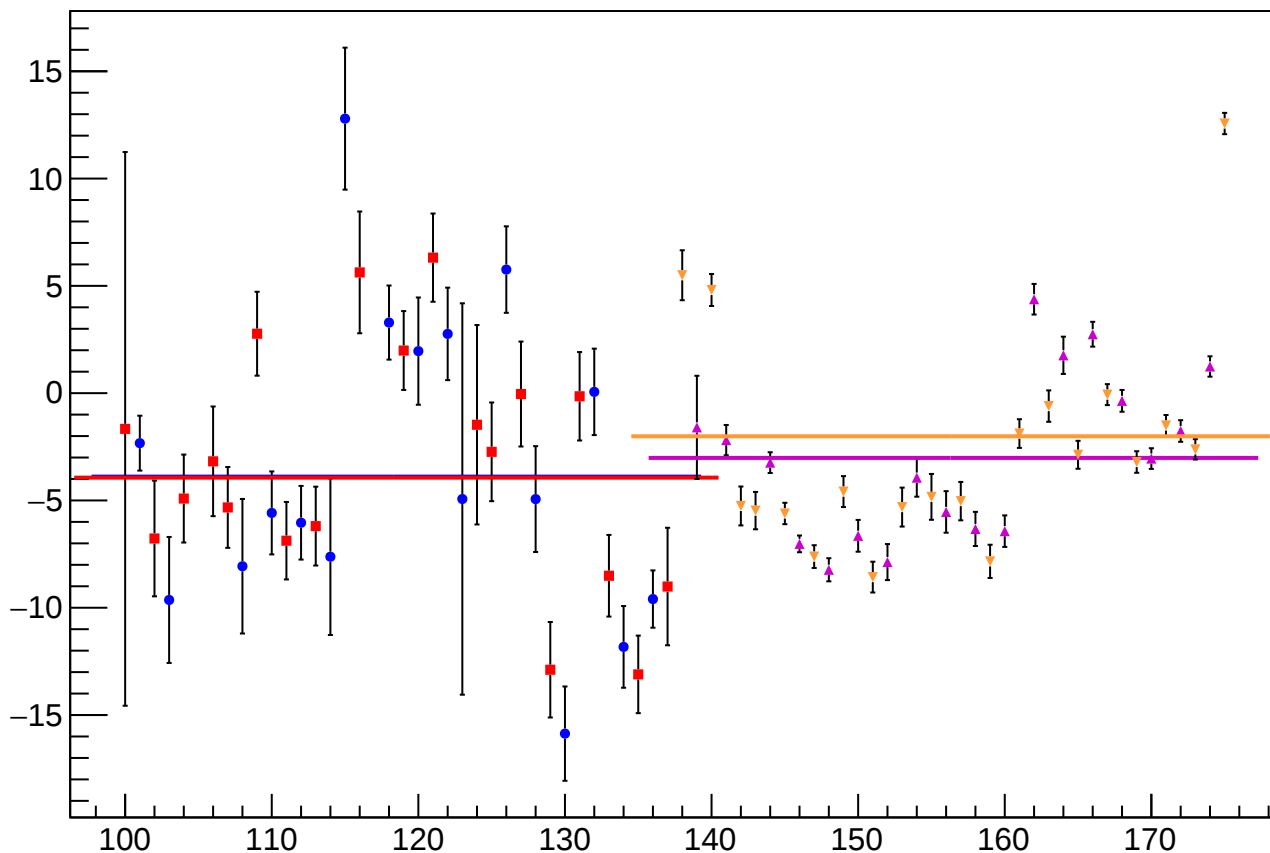
Left In: -30.346 ± 0.194 χ^2/NDF : 2741.3/17

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -32.489 ± 0.135 χ^2/NDF : 7535.0/37

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -2.010 ± 0.143 $\chi^2/\text{NDF}: 1394.0/19$

Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

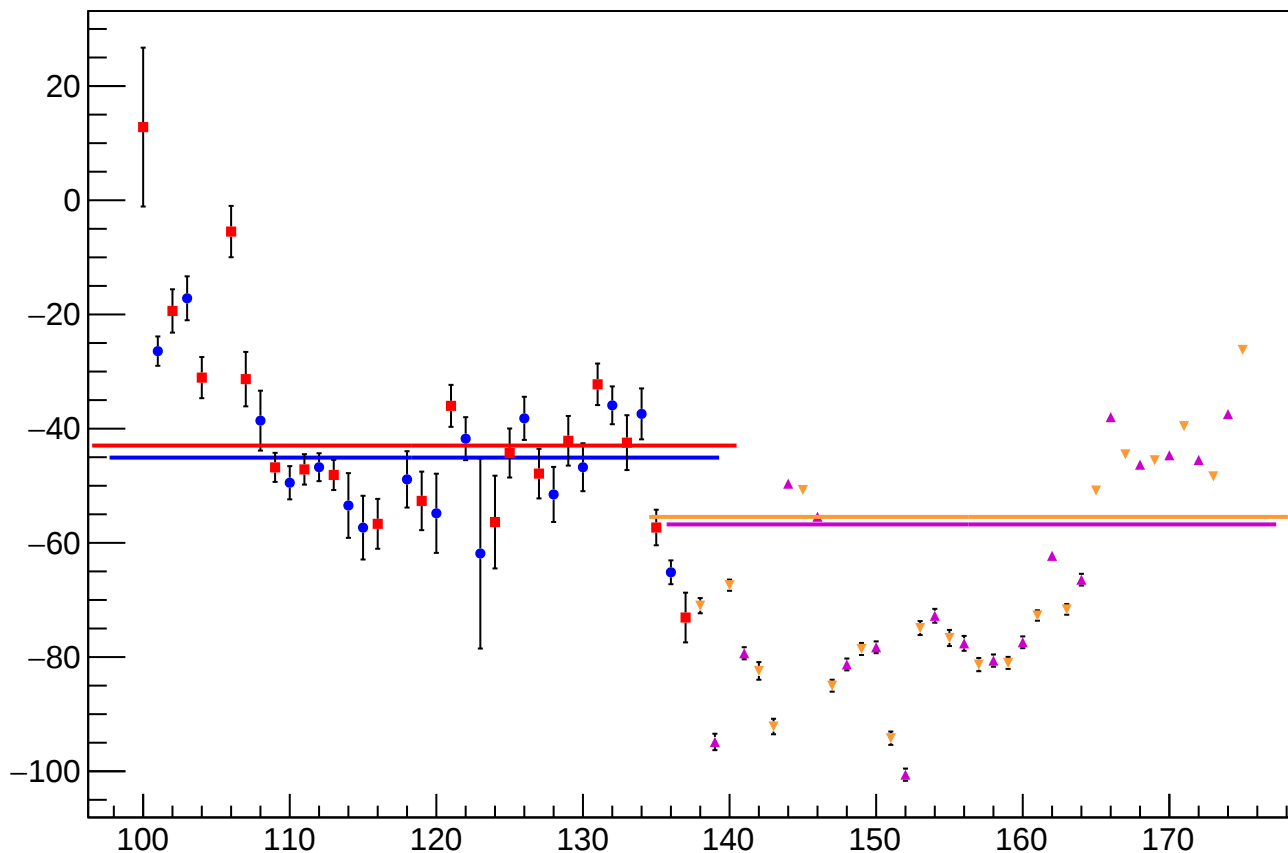
Left In: -3.018 ± 0.144 $\chi^2/\text{NDF}: 656.1/17$

+ sign -2.153 ± 0.138 $\chi^2/\text{NDF}: 1567.7/36$

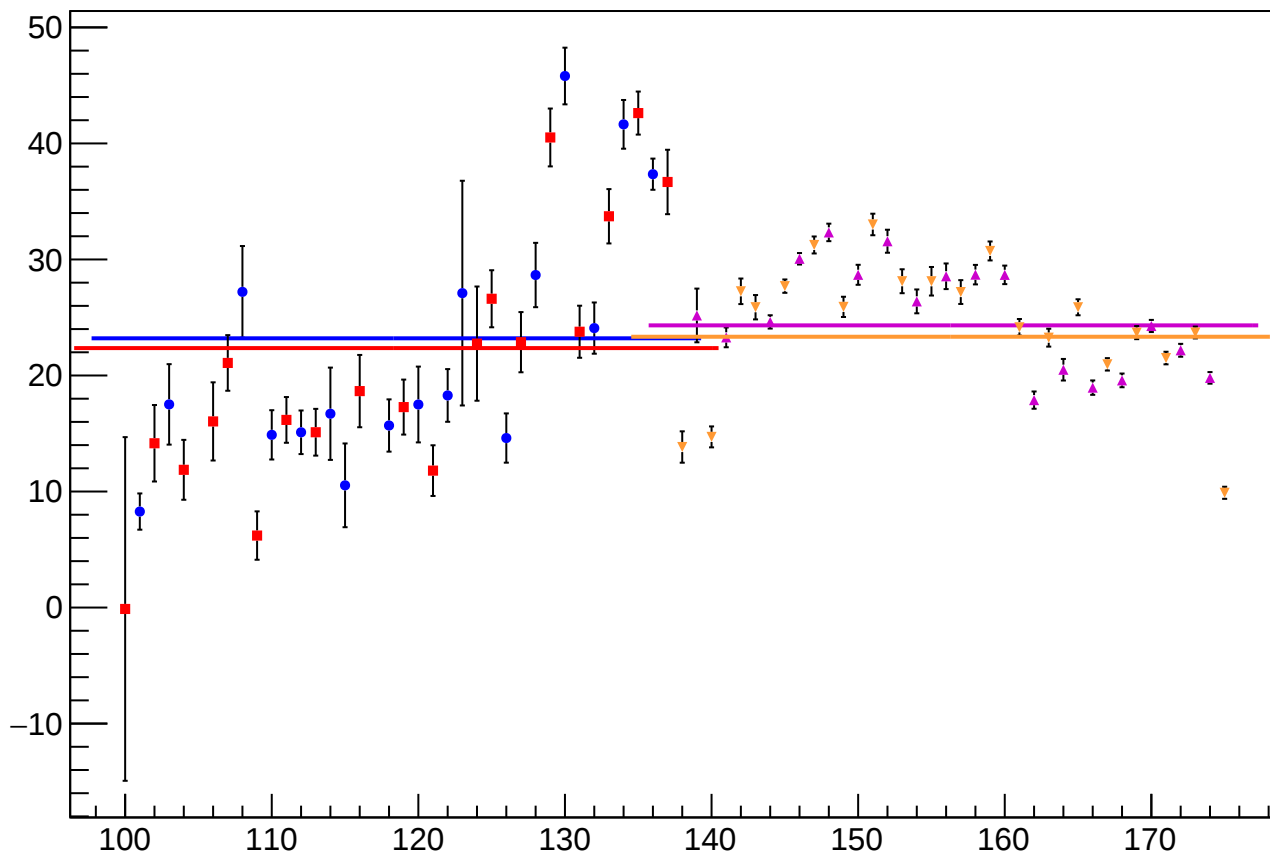
All: -2.617 ± 0.098 $\chi^2/\text{NDF}: 2371.9/73$

- sign -3.086 ± 0.138 $\chi^2/\text{NDF}: 781.3/36$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 23.339 $\pm$ 0.162 χ^2 /NDF:1295.2/19

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

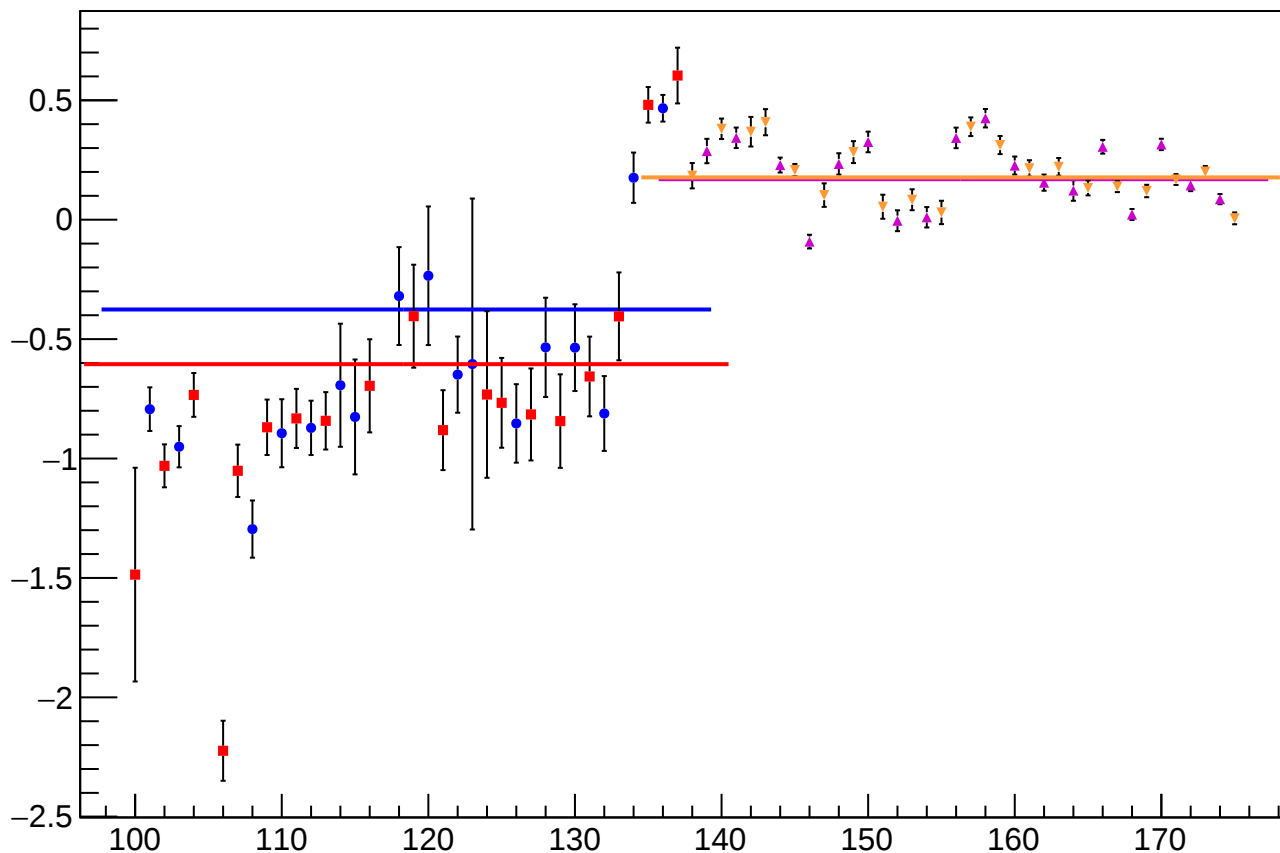
Left In: 24.320 $\pm$ 0.165 χ^2 /NDF:731.7/17

+ sign 23.329 $\pm$ 0.155 χ^2 /NDF: 1752.5/36

All: 23.742 $\pm$ 0.111 χ^2 /NDF: 2876.2/73

- sign 24.170 $\pm$ 0.158 χ^2 /NDF: 1109.3/36

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.177 ± 0.007 $\chi^2/\text{NDF}: 181.5/19$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

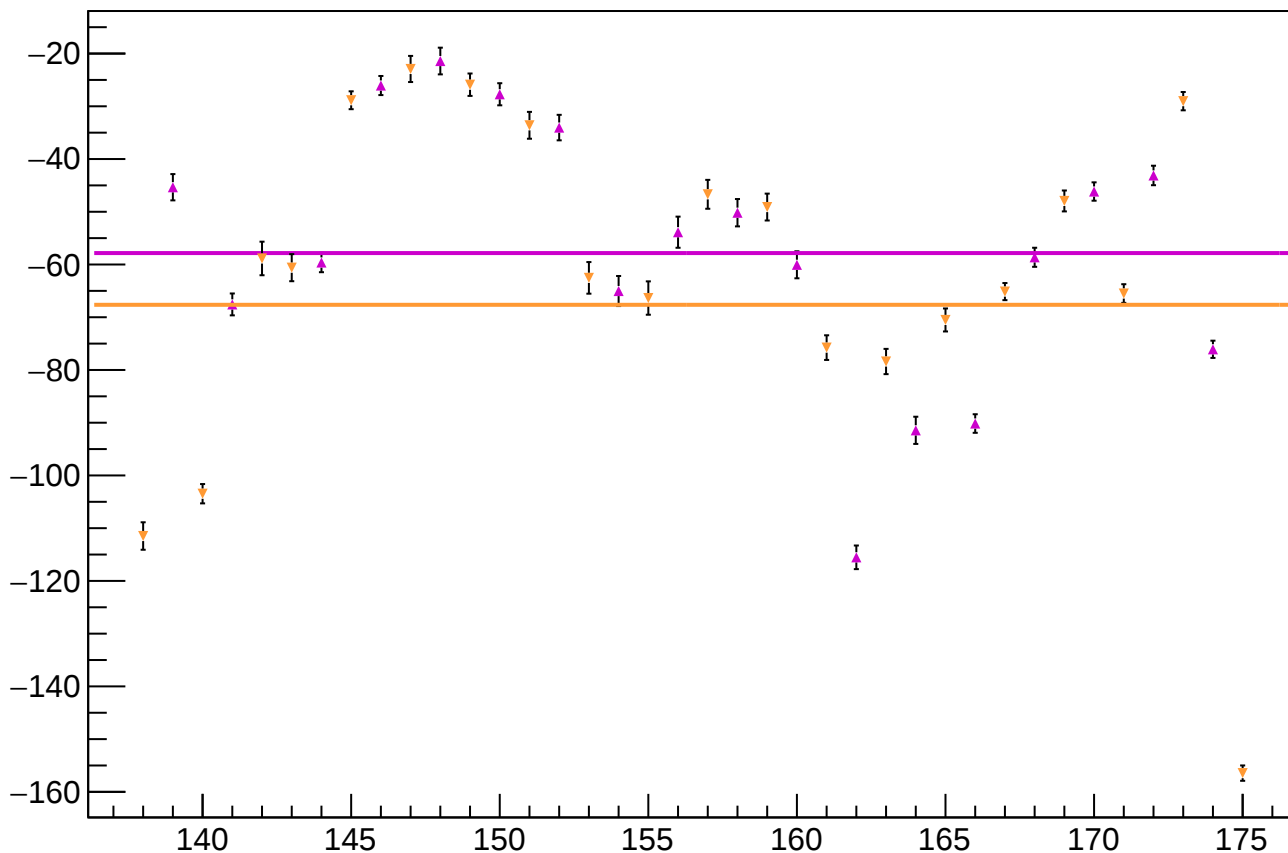
Left In: 0.170 ± 0.008 $\chi^2/\text{NDF}: 334.6/17$

+ sign 0.145 ± 0.007 $\chi^2/\text{NDF}: 936.3/36$

All: 0.134 ± 0.005 $\chi^2/\text{NDF}: 2443.9/73$

- sign 0.124 ± 0.007 $\chi^2/\text{NDF}: 1503.4/36$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -67.642+/-0.476 χ^2/NDF : 6564.0/19

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

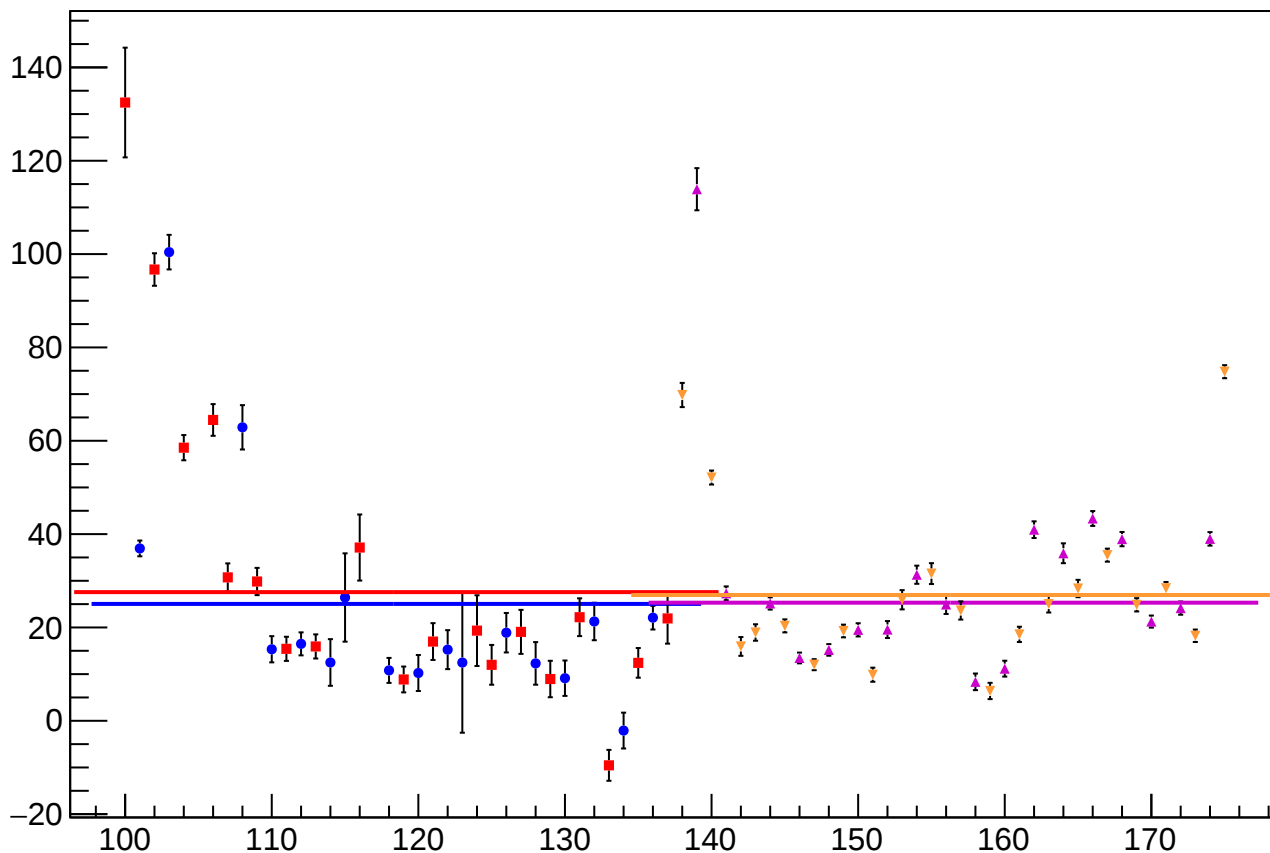
Left In: -57.832+/-0.496 χ^2/NDF : 2287.5/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -62.936+/-0.344 χ^2/NDF : 9054.9/37

- 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: 26.957 $\pm$ 0.354 χ^2 /NDF:2374.8/19

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

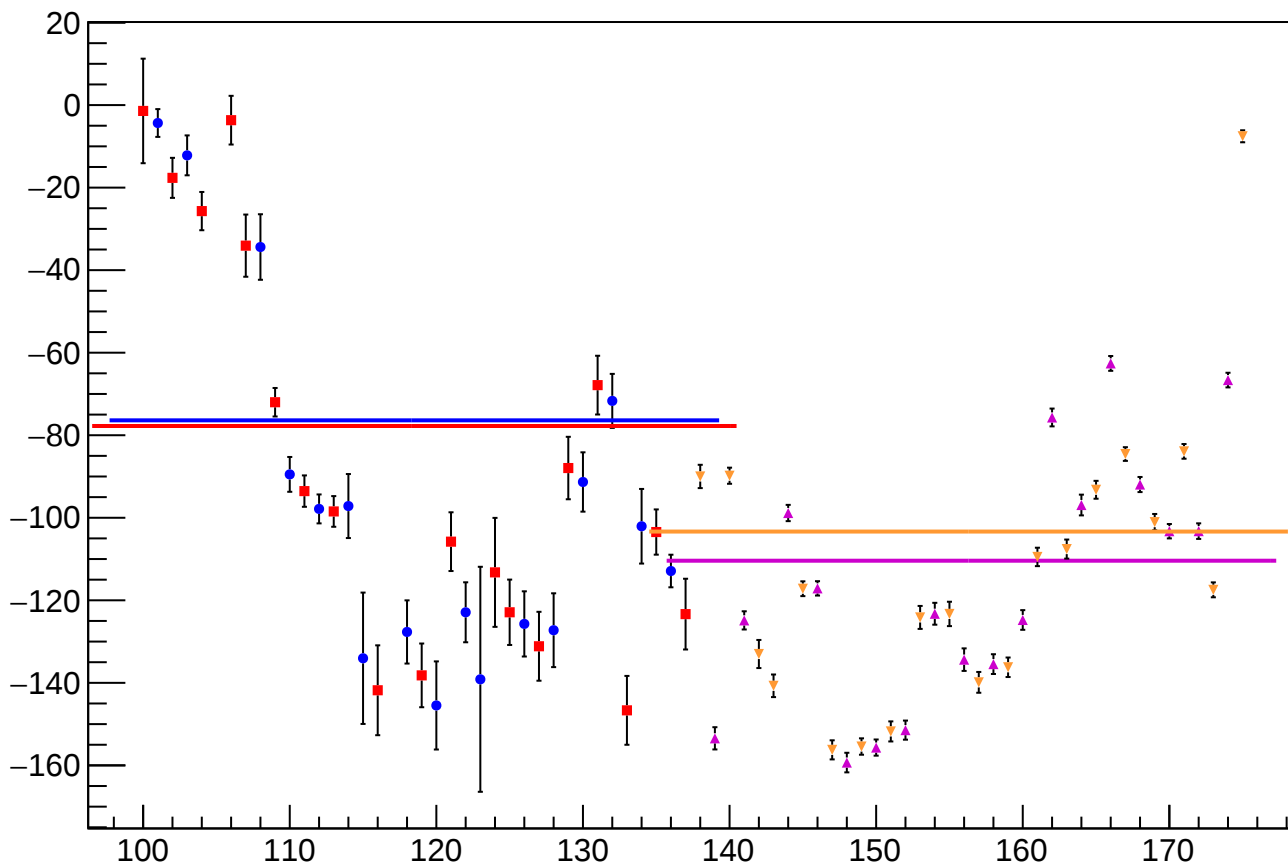
Left In: 25.307 $\pm$ 0.368 χ^2 /NDF:1163.2/17

+ sign 26.648 $\pm$ 0.324 χ^2 /NDF: 3065.9/36

All: 26.188 $\pm$ 0.233 χ^2 /NDF: 5252.6/73

- sign 25.695 $\pm$ 0.335 χ^2 /NDF: 2182.5/36

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -103.340 ± 0.476 $\chi^2/\text{NDF}: 7174.8/19$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

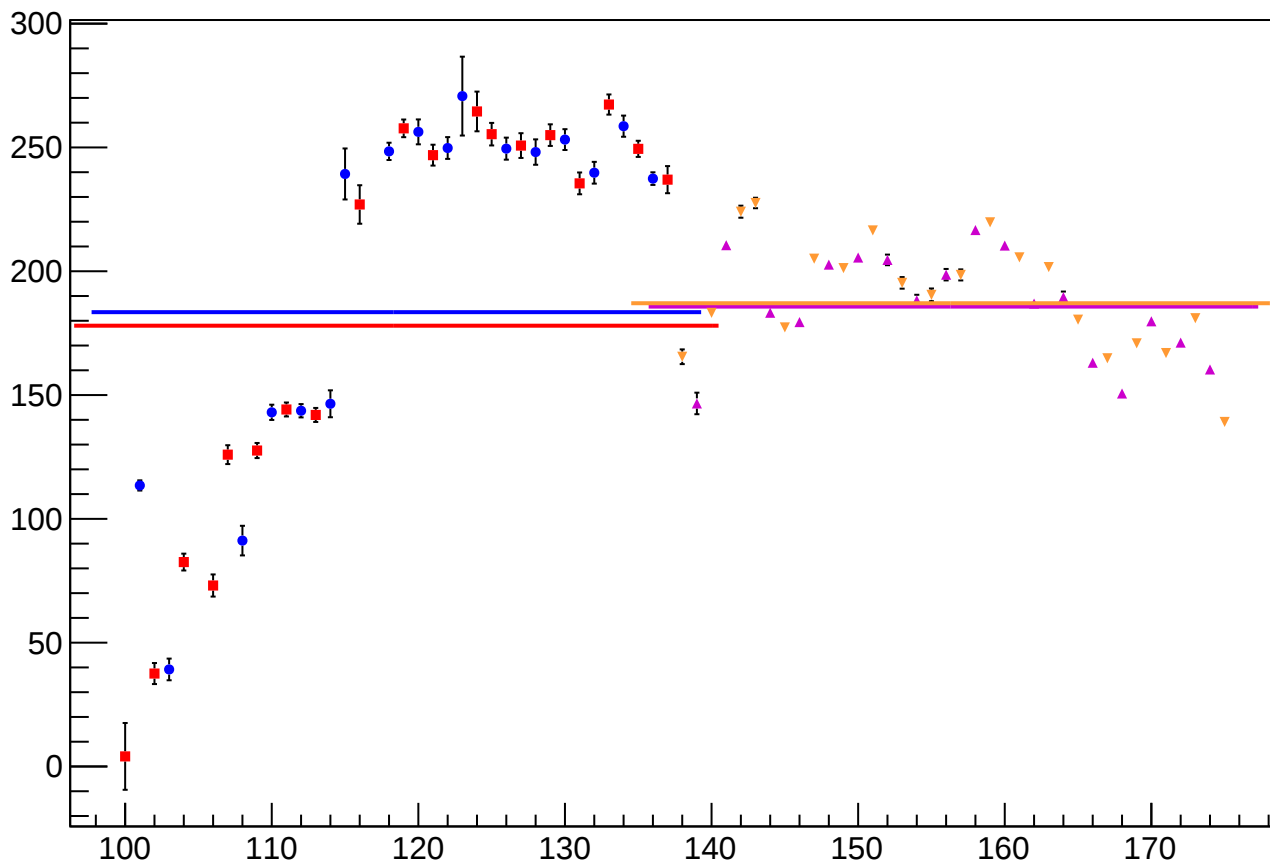
Left In: -110.405 ± 0.494 $\chi^2/\text{NDF}: 3605.9/17$

+ sign -100.608 ± 0.451 $\chi^2/\text{NDF}: 8532.1/36$

All: -103.497 ± 0.323 $\chi^2/\text{NDF}: 13608.9/73$

- sign -106.560 ± 0.464 $\chi^2/\text{NDF}: 4992.2/36$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 ± 0.919 $\chi^2/\text{NDF}: 5331.4/16$

Left Out: 187.083 ± 0.404 $\chi^2/\text{NDF}: 3232.2/19$

Right Out: 178.011 ± 0.924 $\chi^2/\text{NDF}: 6345.7/18$

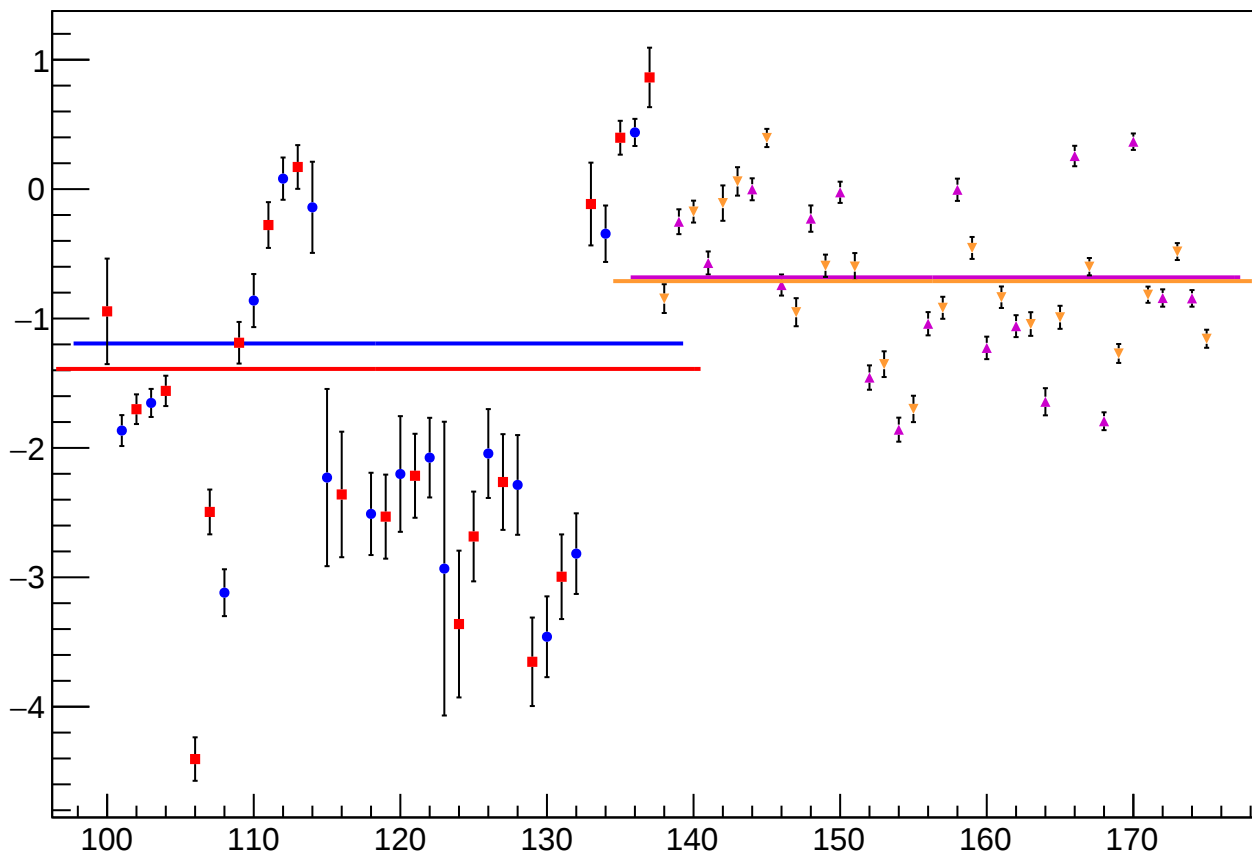
Left In: 185.728 ± 0.421 $\chi^2/\text{NDF}: 2049.0/17$

+ sign 186.498 ± 0.370 $\chi^2/\text{NDF}: 8576.5/36$

All: 185.486 ± 0.266 $\chi^2/\text{NDF}: 17044.5/73$

- sign 184.401 ± 0.383 $\chi^2/\text{NDF}: 8452.5/36$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.711 ± 0.019 χ^2/NDF : 658.3/19

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

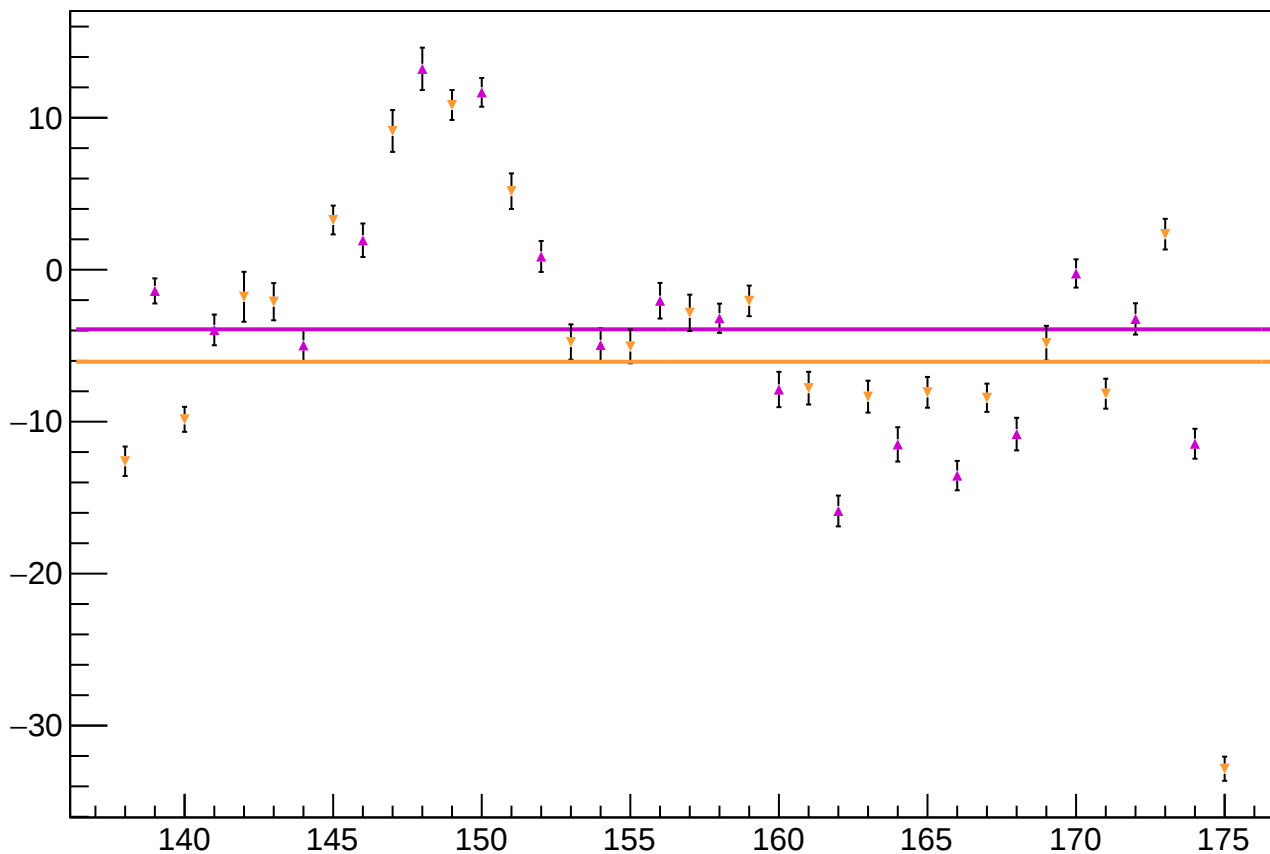
Left In: -0.682 ± 0.019 χ^2/NDF : 1305.0/17

+ sign -0.775 ± 0.017 χ^2/NDF : 1366.9/36

All: -0.781 ± 0.012 χ^2/NDF : 3795.4/73

- sign -0.788 ± 0.018 χ^2/NDF : 2428.2/36

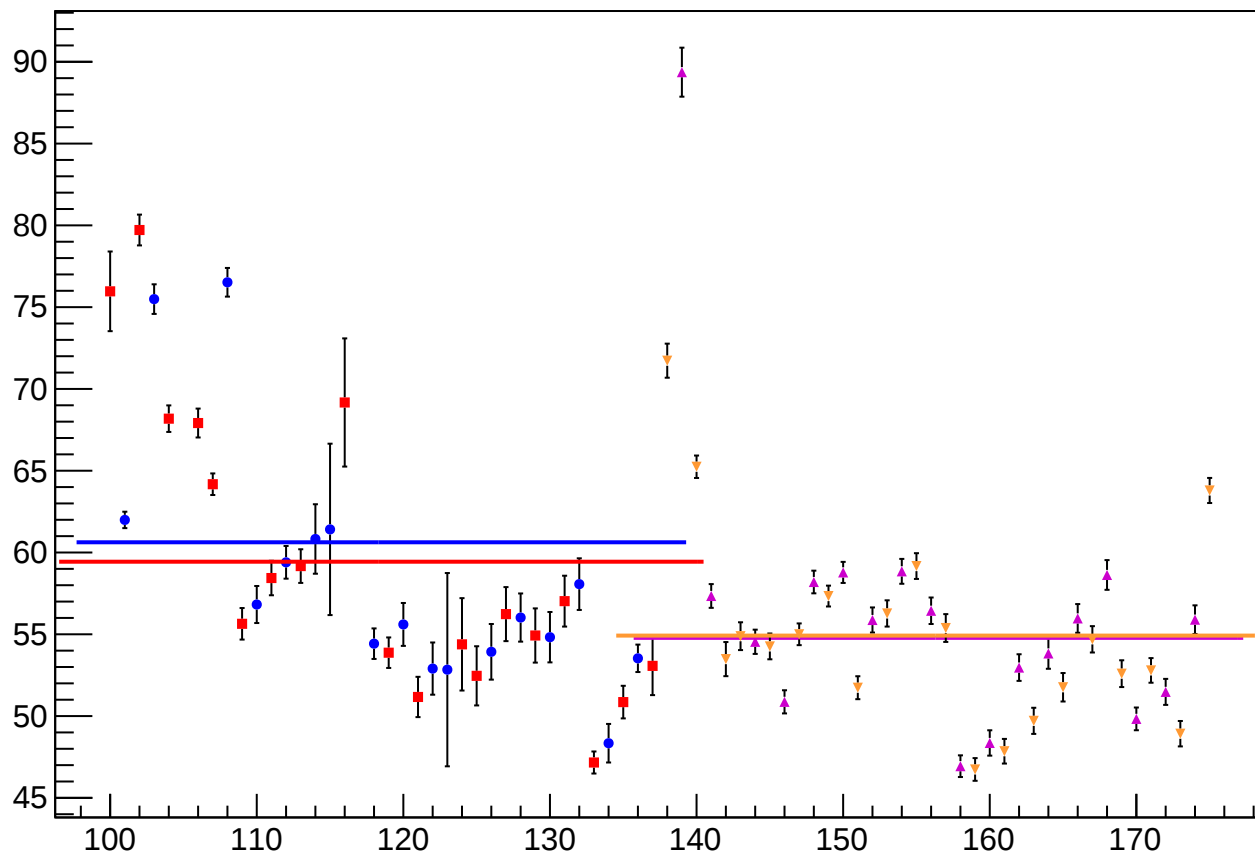
reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.057+/-0.233 χ^2/NDF : 1942.8/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.923+/-0.243 χ^2/NDF : 897.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -5.035+/-0.168 χ^2/NDF : 2880.4/37
 - 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: 54.920 $\pm$ 0.174 χ^2 /NDF:1049.0/19

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

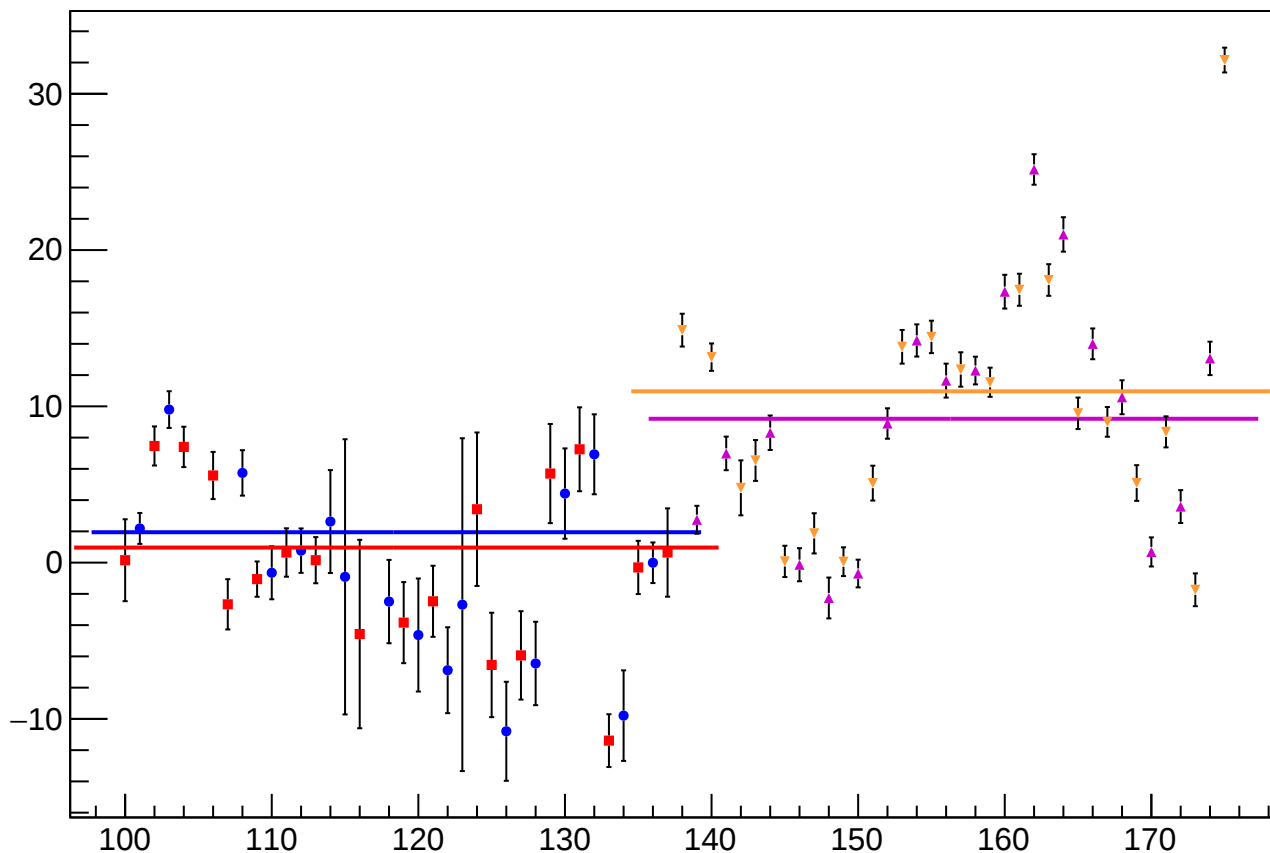
Left In: 54.781 $\pm$ 0.184 χ^2 /NDF:977.8/17

+ sign 56.653 $\pm$ 0.145 χ^2 /NDF: 2301.1/36

All: 56.544 $\pm$ 0.103 χ^2 /NDF: 4831.4/73

- sign 56.432 $\pm$ 0.148 χ^2 /NDF: 2529.1/36

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 10.962 ± 0.231 χ^2/NDF : 1389.1/19

Right Out: 0.964 ± 0.424 χ^2/NDF : 149.5/18

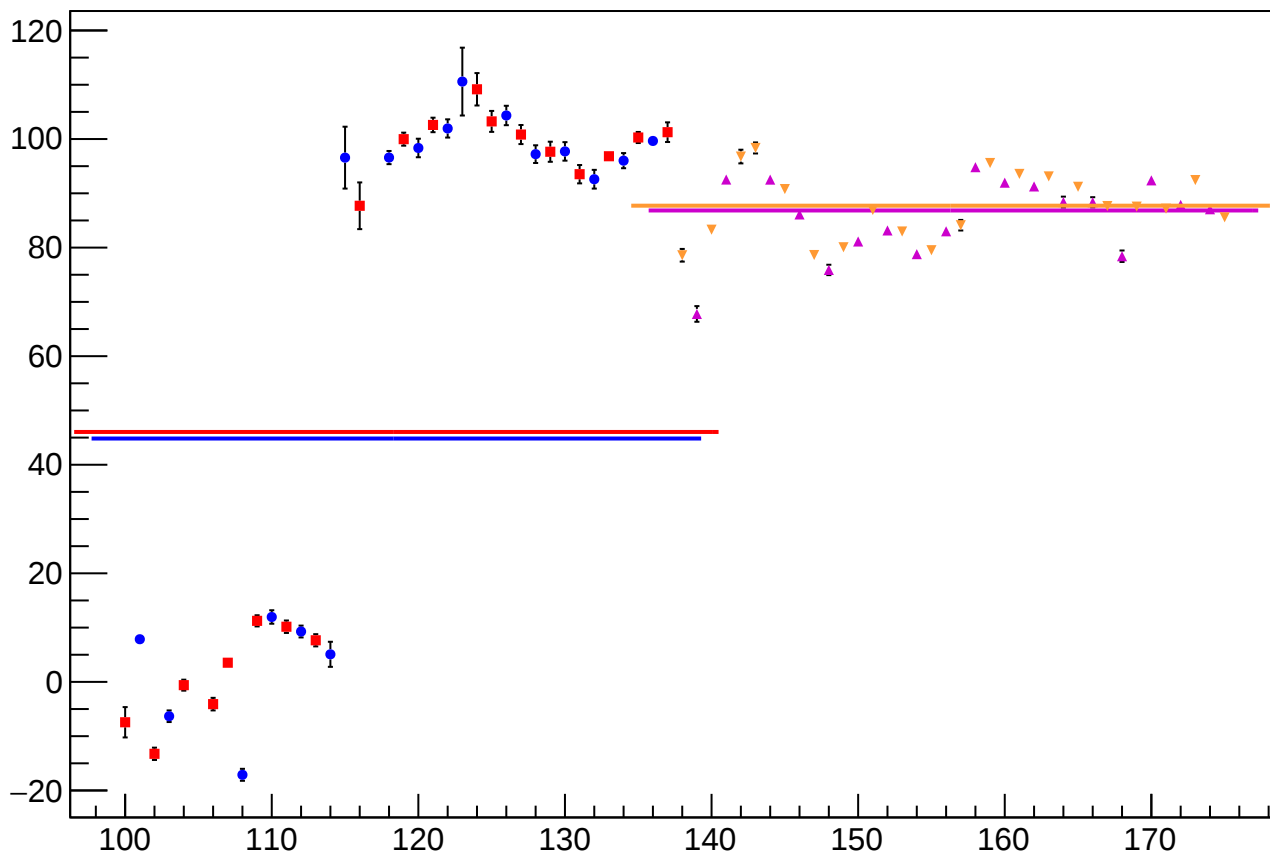
Left In: 9.205 ± 0.240 χ^2/NDF : 967.3/17

+ sign 9.140 ± 0.206 χ^2/NDF : 1817.9/36

All: 8.186 ± 0.147 χ^2/NDF : 3263.7/73

- sign 7.207 ± 0.209 χ^2/NDF : 1402.5/36

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 87.723 $\pm$ 0.198 χ^2 /NDF: 851.1/19

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

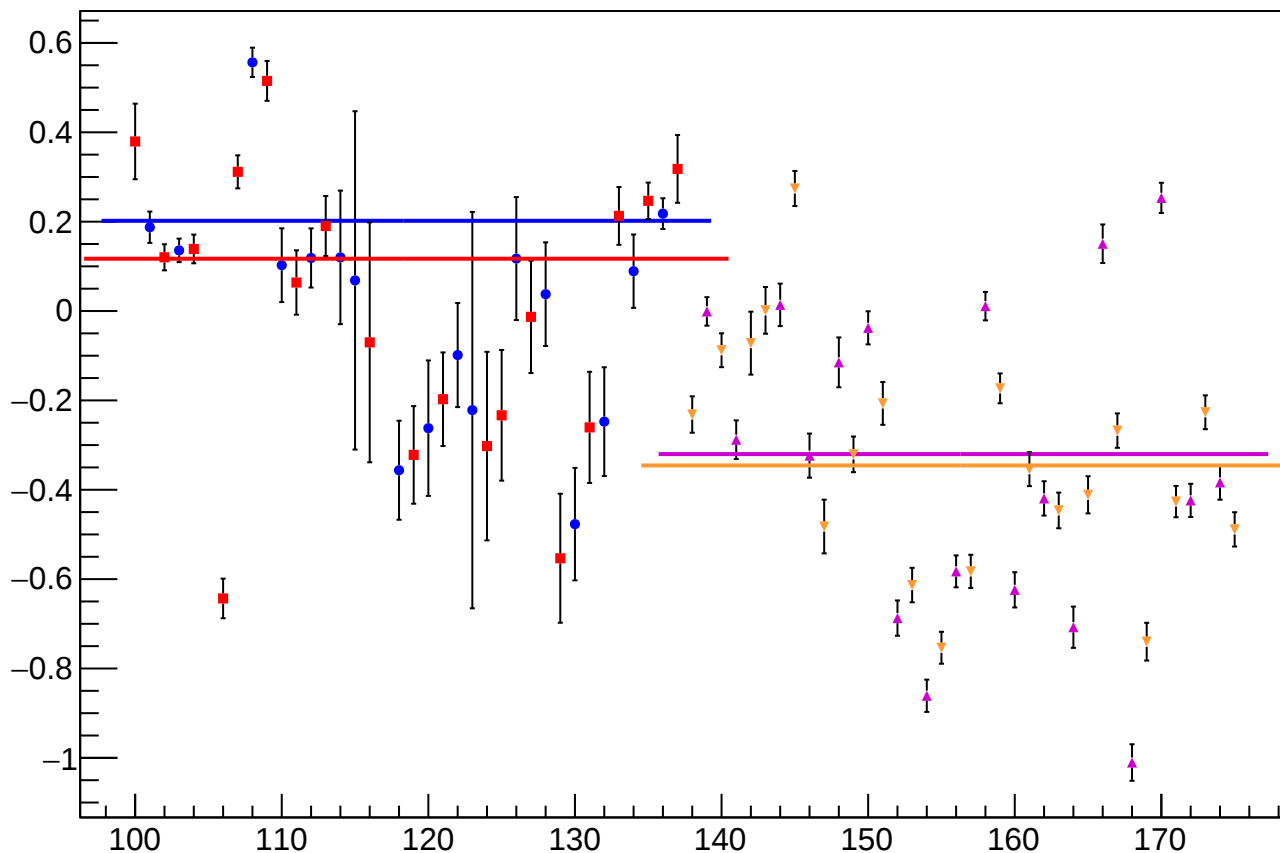
Left In: 86.840 $\pm$ 0.208 χ^2 /NDF: 887.4/17

+ sign 75.020 $\pm$ 0.166 χ^2 /NDF: 39566.6/36

All: 74.011 $\pm$ 0.118 χ^2 /NDF: 81902.8/73

- sign 72.964 $\pm$ 0.169 χ^2 /NDF: 42260.7/36

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.346 ± 0.009 χ^2/NDF : 752.0/19

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

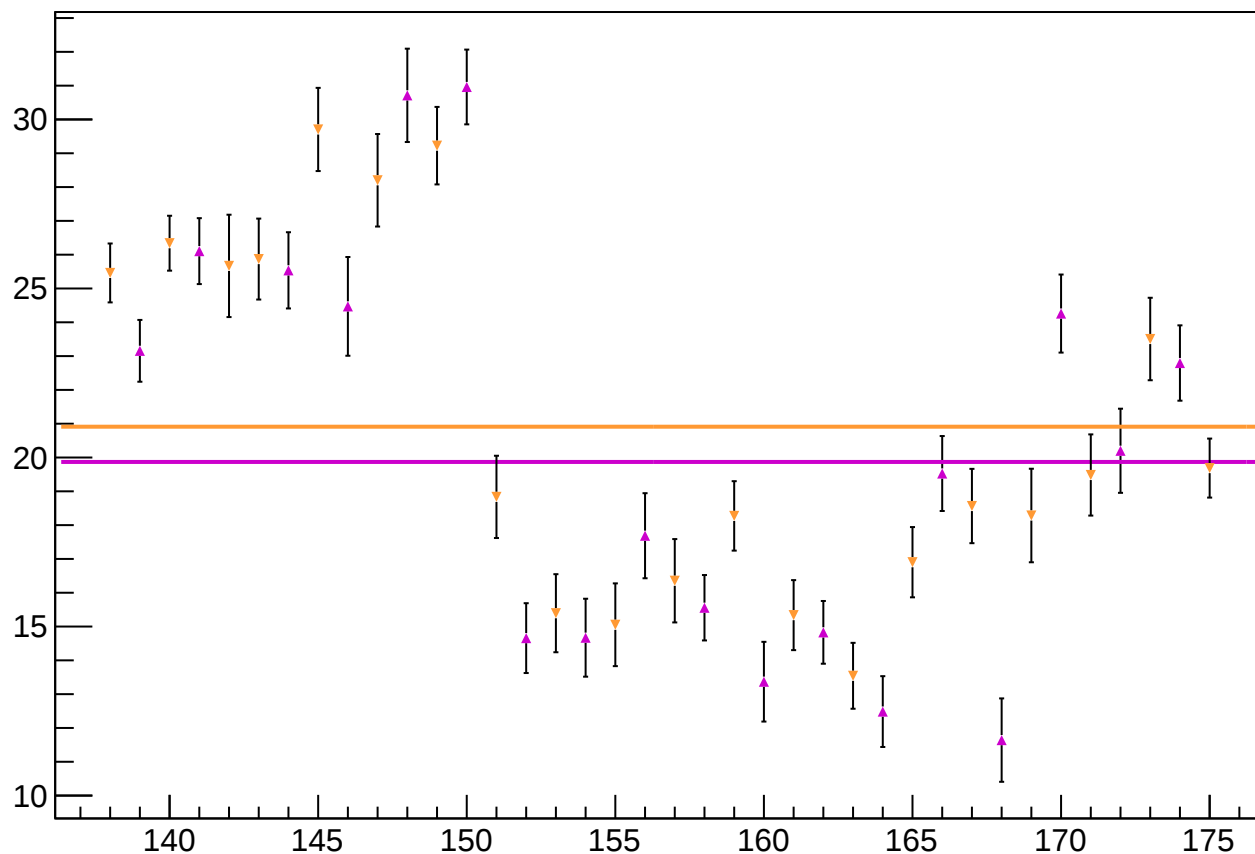
Left In: -0.320 ± 0.009 χ^2/NDF : 1532.6/17

+ sign -0.185 ± 0.008 χ^2/NDF : 2042.4/36

All: -0.180 ± 0.005 χ^2/NDF : 4826.4/73

- sign -0.174 ± 0.008 χ^2/NDF : 2783.0/36

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 20.912 $\pm$ 0.246 χ^2 /NDF:417.0/19

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

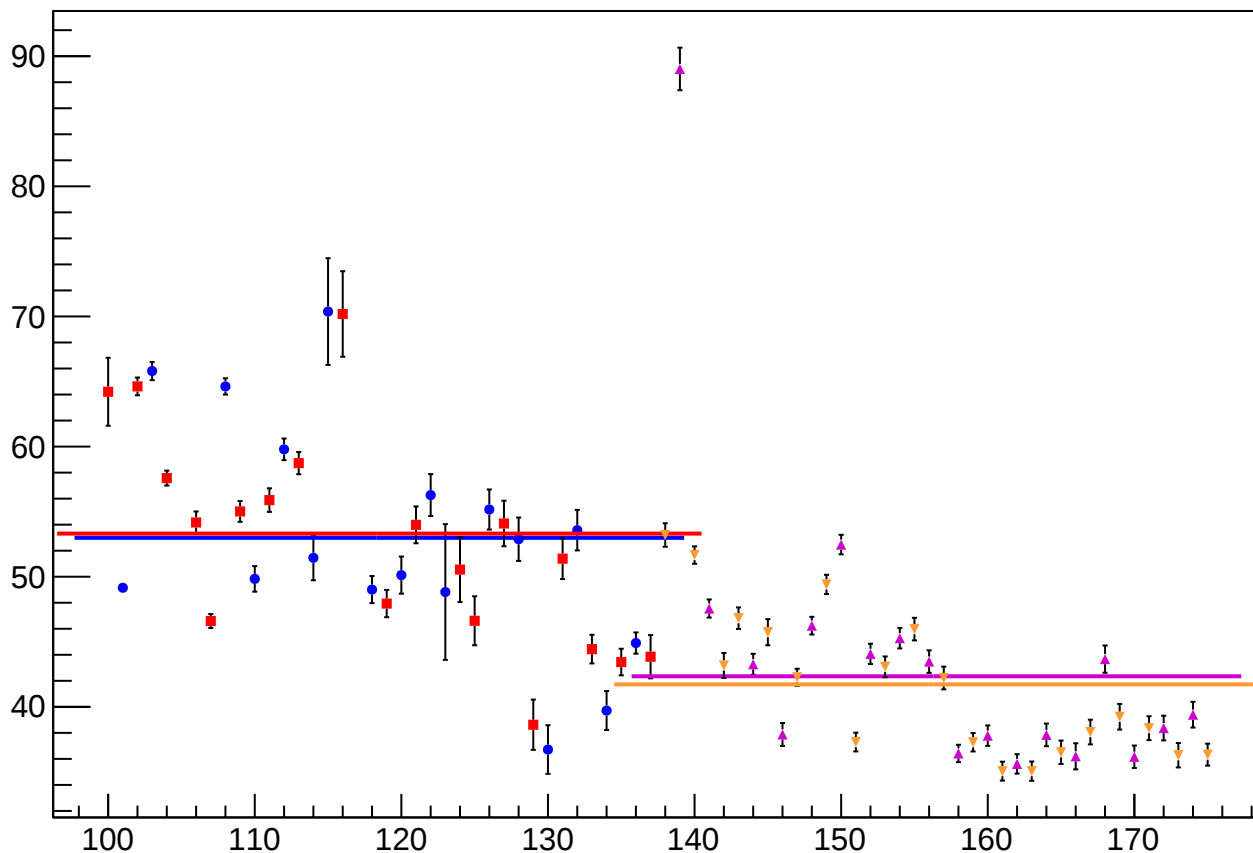
Left In: 19.869 $\pm$ 0.261 χ^2 /NDF:495.7/17

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

All: 20.421 $\pm$ 0.179 χ^2 /NDF: 921.1/37

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

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 ± 0.211 $\chi^2/\text{NDF}: 1198.0/16$

Left Out: 41.726 ± 0.182 $\chi^2/\text{NDF}: 959.2/19$

Right Out: 53.315 ± 0.227 $\chi^2/\text{NDF}: 875.6/18$

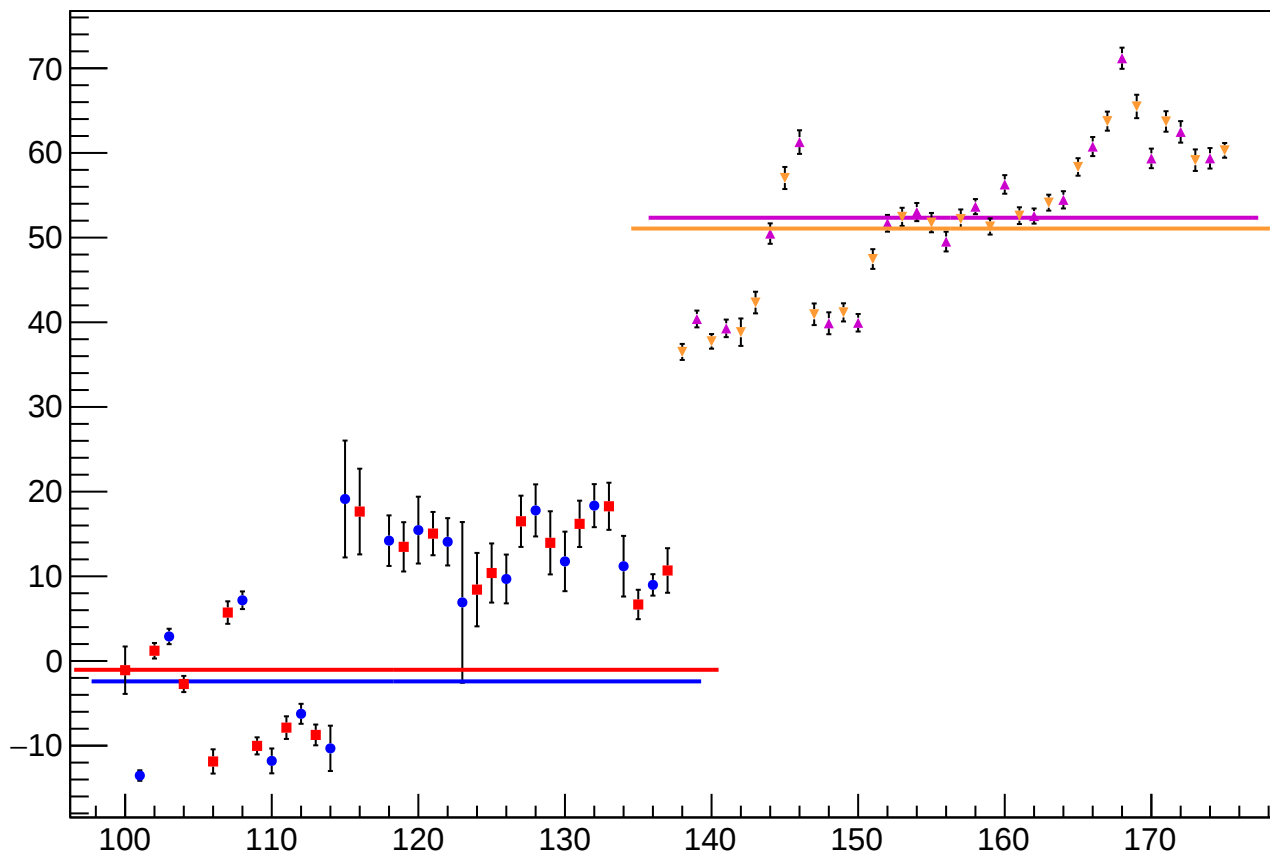
Left In: 42.349 ± 0.195 $\chi^2/\text{NDF}: 1472.3/17$

+ sign 46.541 ± 0.138 $\chi^2/\text{NDF}: 3790.3/36$

All: 46.765 ± 0.101 $\chi^2/\text{NDF}: 7486.1/73$

- sign 47.023 ± 0.148 $\chi^2/\text{NDF}: 3690.2/36$

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 51.071 ± 0.244 χ^2/NDF : 1321.3/19

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

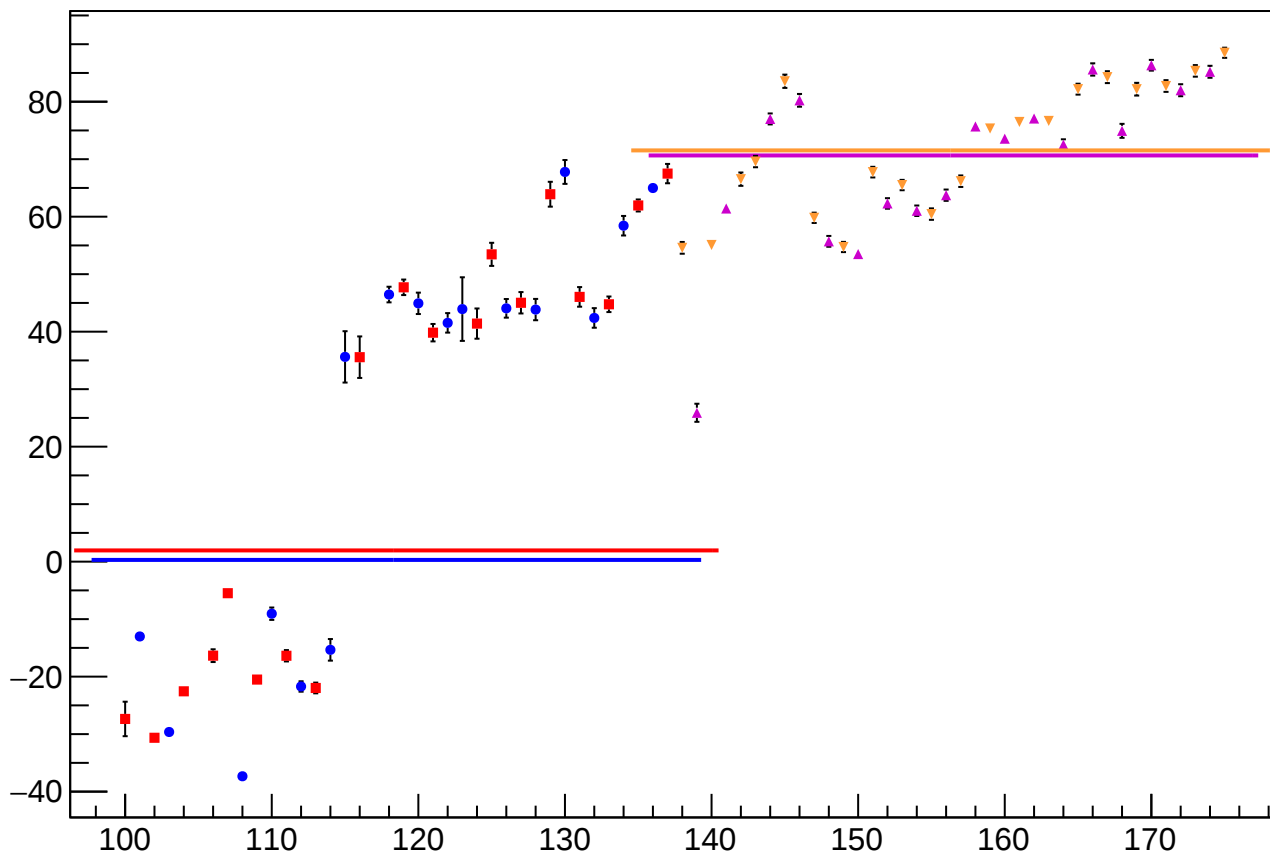
Left In: 52.346 ± 0.257 χ^2/NDF : 1027.7/17

+ sign 34.513 ± 0.203 χ^2/NDF : 17032.8/36

All: 34.924 ± 0.147 χ^2/NDF : 32250.5/73

- sign 35.375 ± 0.213 χ^2/NDF : 15209.1/36

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 71.530 ± 0.208 χ^2/NDF : 2717.2/19

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

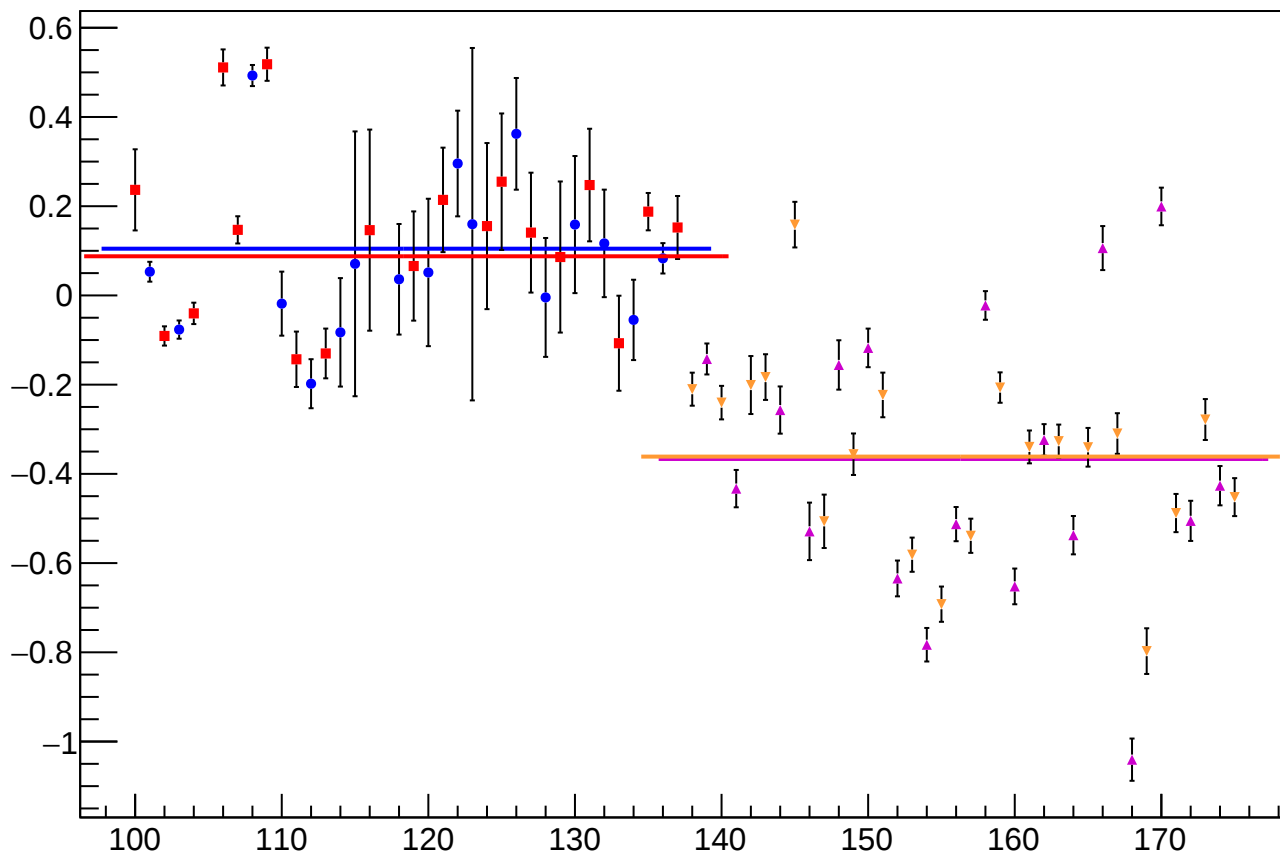
Left In: 70.651 ± 0.222 χ^2/NDF : 2874.1/17

+ sign 42.019 ± 0.159 χ^2/NDF : 69520.5/36

All: 42.288 ± 0.116 χ^2/NDF : 127127.5/73

- sign 42.596 ± 0.170 χ^2/NDF : 57600.8/36

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.361 ± 0.010 $\chi^2/\text{NDF}: 399.1/19$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

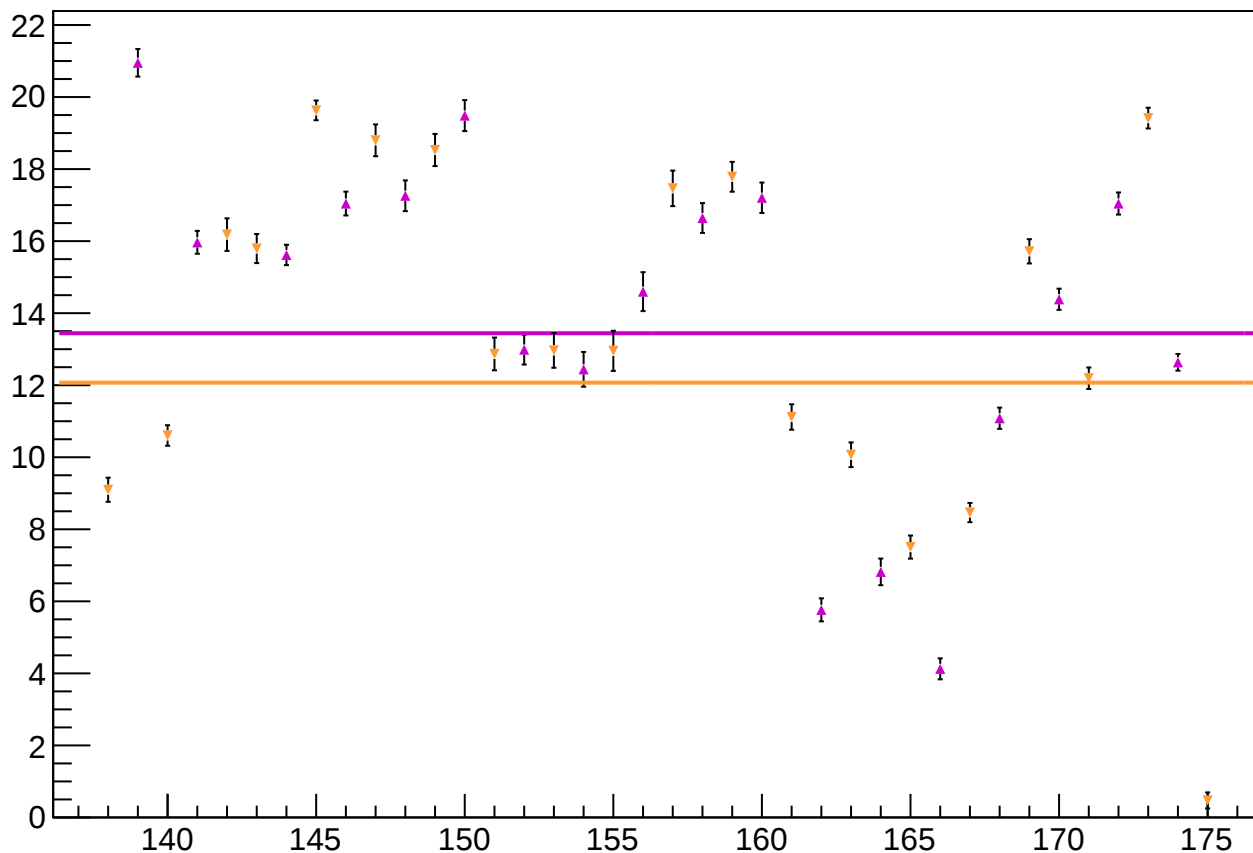
Left In: -0.367 ± 0.010 $\chi^2/\text{NDF}: 953.5/17$

+ sign -0.161 ± 0.007 $\chi^2/\text{NDF}: 1815.8/36$

All: -0.162 ± 0.005 $\chi^2/\text{NDF}: 4102.9/73$

- sign -0.164 ± 0.007 $\chi^2/\text{NDF}: 2287.1/36$

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 12.071+/-0.077 χ^2/NDF : 5710.5/19

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

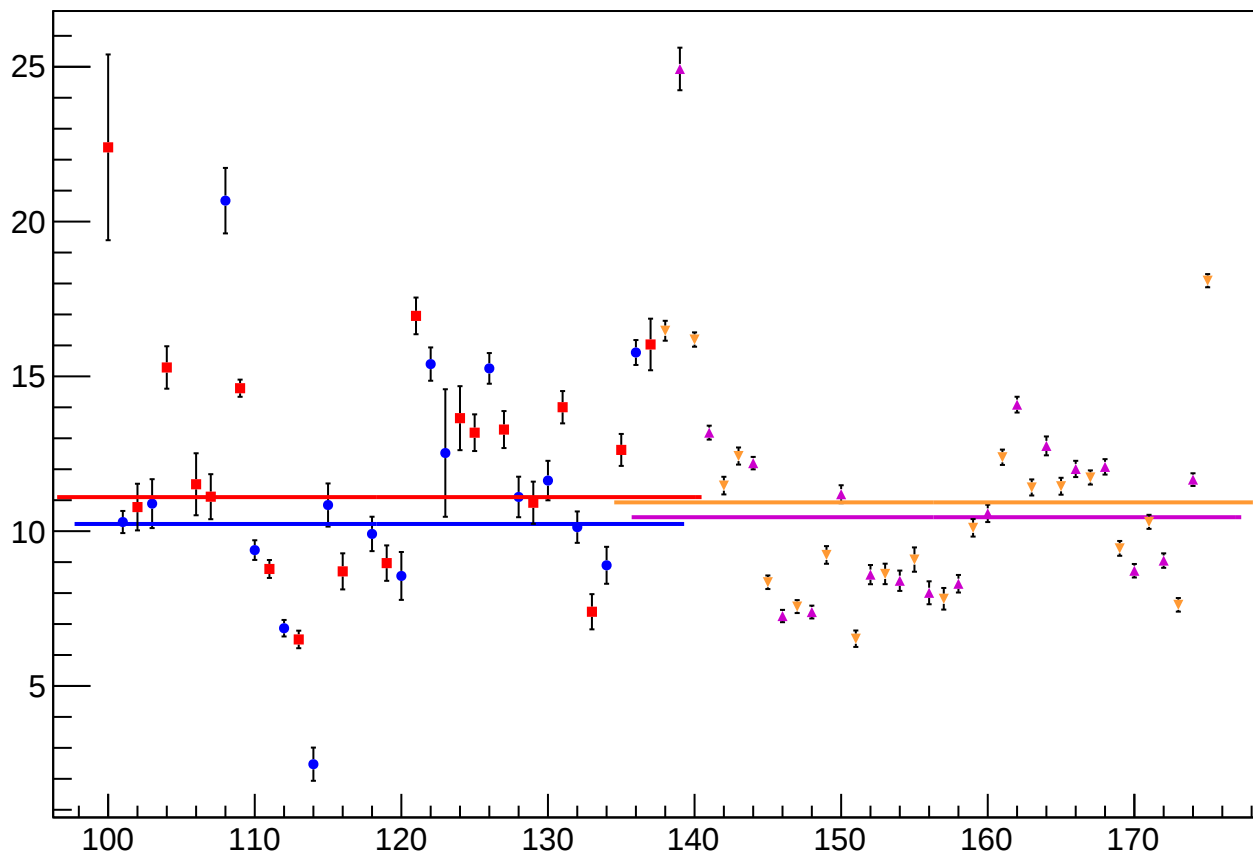
Left In: 13.443+/-0.080 χ^2/NDF : 3195.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 12.725+/-0.055 χ^2/NDF : 9059.5/37

- 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: 10.930 $\pm$ 0.057 χ^2 /NDF:3170.2/19

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

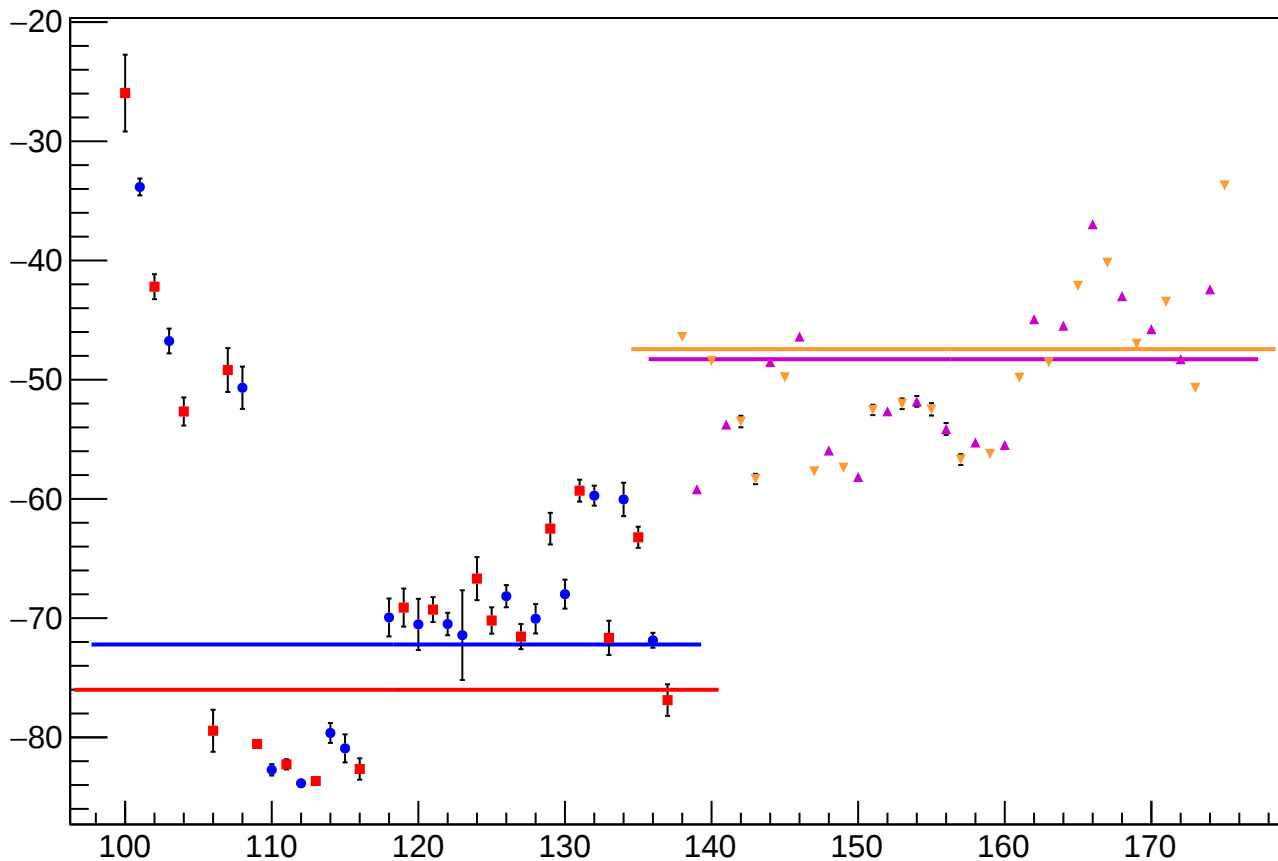
Left In: 10.451 $\pm$ 0.060 χ^2 /NDF:1795.0/17

+ sign 10.799 $\pm$ 0.052 χ^2 /NDF: 4074.6/36

All: 10.696 $\pm$ 0.037 χ^2 /NDF: 6720.2/73

- sign 10.587 $\pm$ 0.053 χ^2 /NDF: 2637.4/36

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 χ^2/NDF : 5566.2/16

Left Out: -47.432 ± 0.077 χ^2/NDF : 8470.7/19

Right Out: -76.009 ± 0.181 χ^2/NDF : 3463.3/18

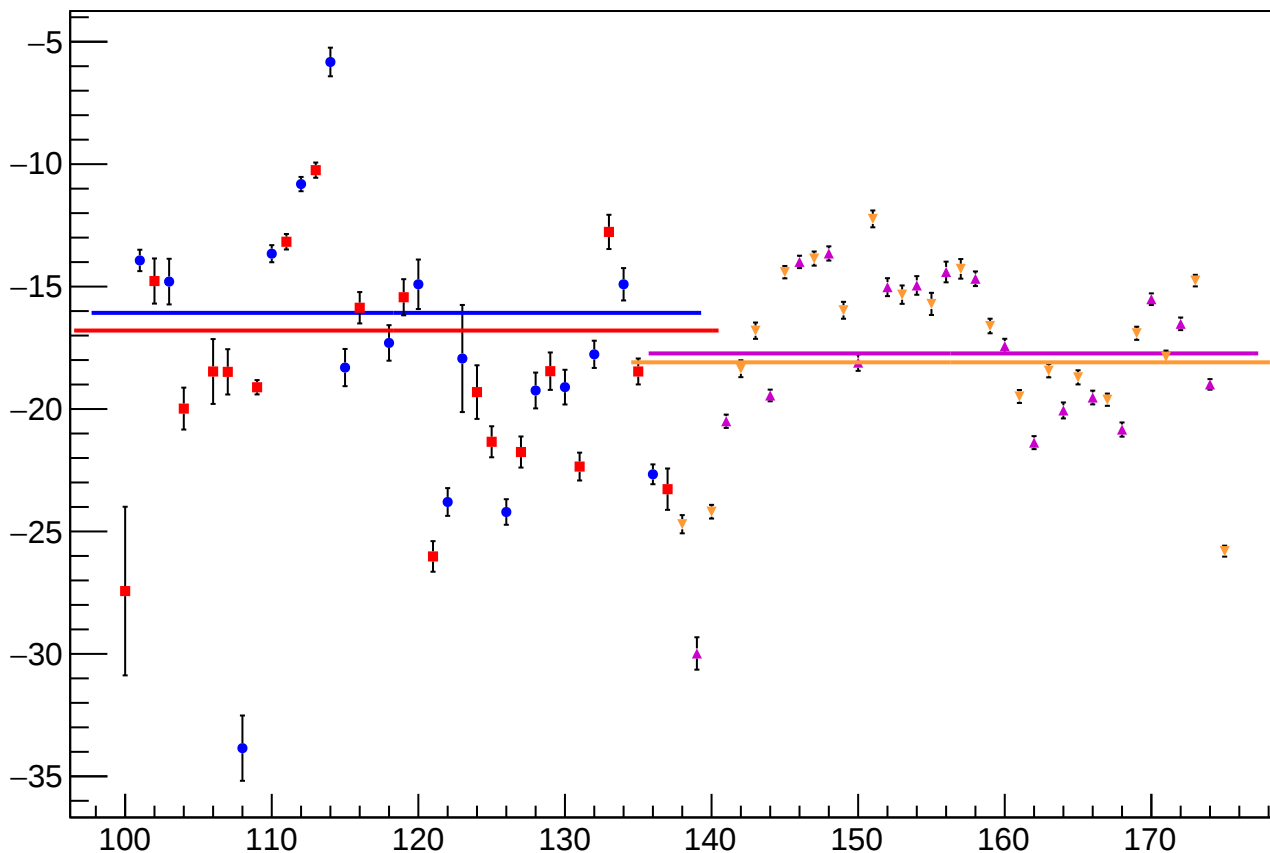
Left In: -48.279 ± 0.080 χ^2/NDF : 5515.6/17

+ sign -50.676 ± 0.072 χ^2/NDF : 27649.3/36

All: -51.735 ± 0.051 χ^2/NDF : 56683.6/73

- sign -52.847 ± 0.073 χ^2/NDF : 28586.7/36

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -18.093 ± 0.065 χ^2/NDF : 3237.2/19

Right Out: -16.795 ± 0.128 χ^2/NDF : 1216.0/18

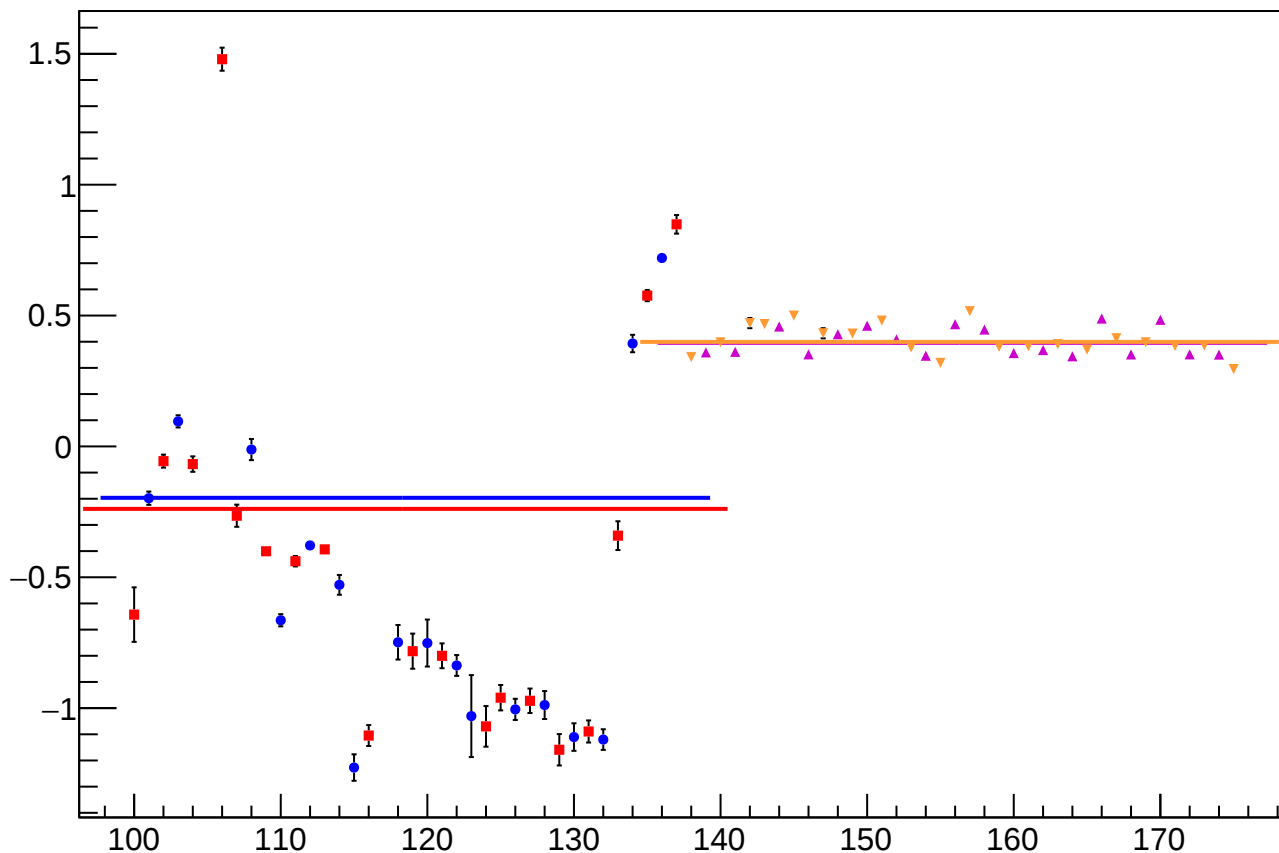
Left In: -17.729 ± 0.068 χ^2/NDF : 1727.8/17

+ sign -17.698 ± 0.059 χ^2/NDF : 5064.6/36

All: -17.612 ± 0.042 χ^2/NDF : 8054.1/73

- sign -17.522 ± 0.060 χ^2/NDF : 2985.2/36

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.399 ± 0.003 χ^2/NDF : 336.3/19

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

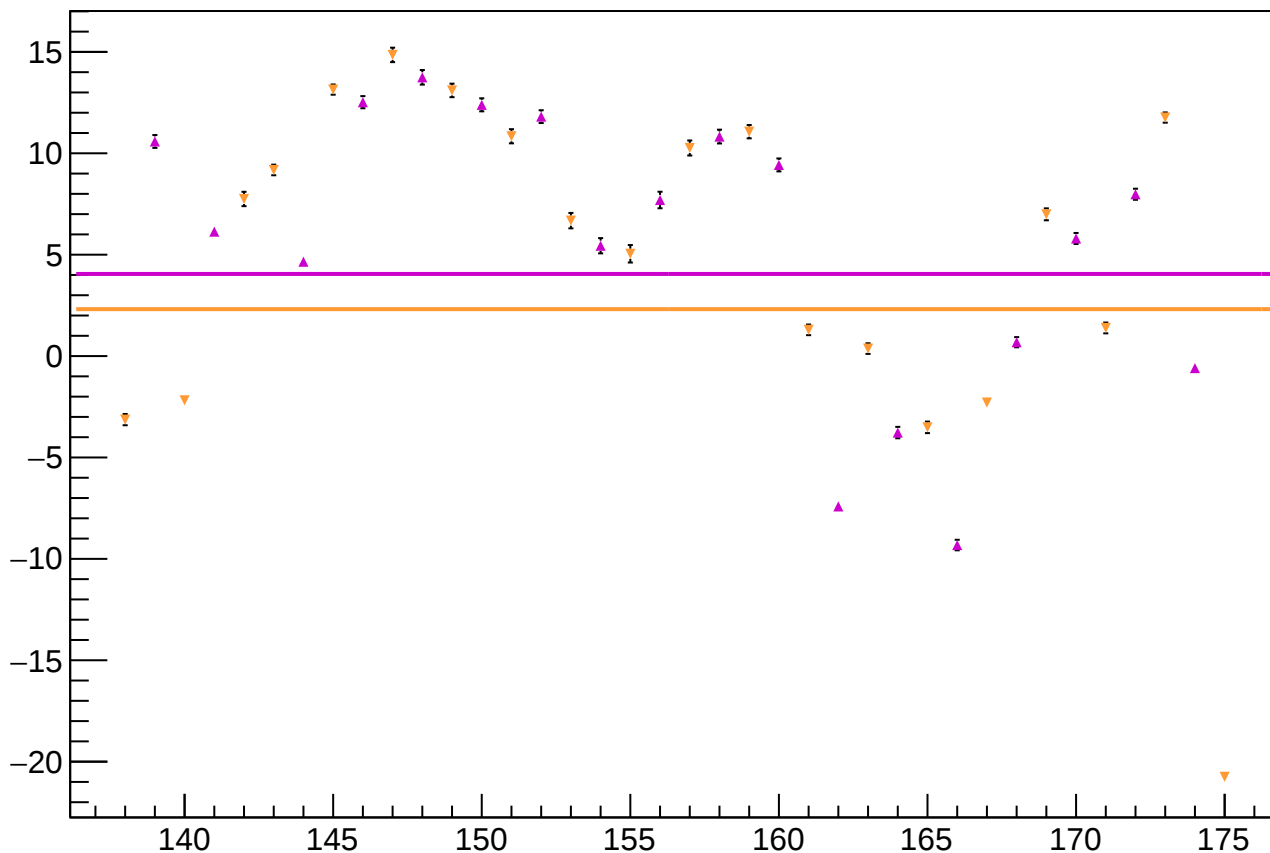
Left In: 0.396 ± 0.003 χ^2/NDF : 302.2/17

+ sign 0.316 ± 0.003 χ^2/NDF : 12021.5/36

All: 0.305 ± 0.002 χ^2/NDF : 25106.2/73

- sign 0.295 ± 0.003 χ^2/NDF : 13057.0/36

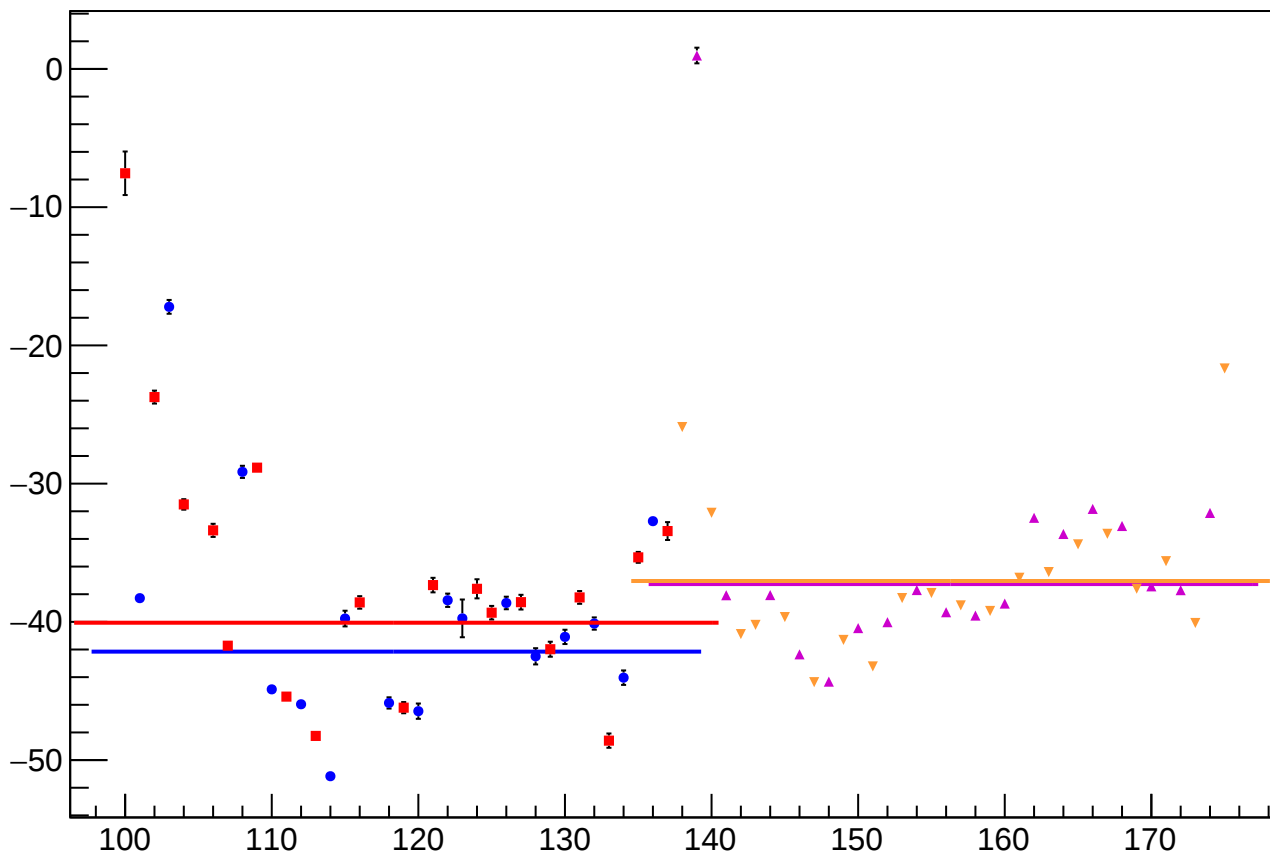
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.314+/-0.063 χ^2/NDF :23930.3/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.050+/-0.067 χ^2/NDF :10683.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 3.134+/-0.046 χ^2/NDF : 34972.0/37
 - sign 0.000+/-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: -37.044 ± 0.047 $\chi^2/\text{NDF}: 13851.6/19$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

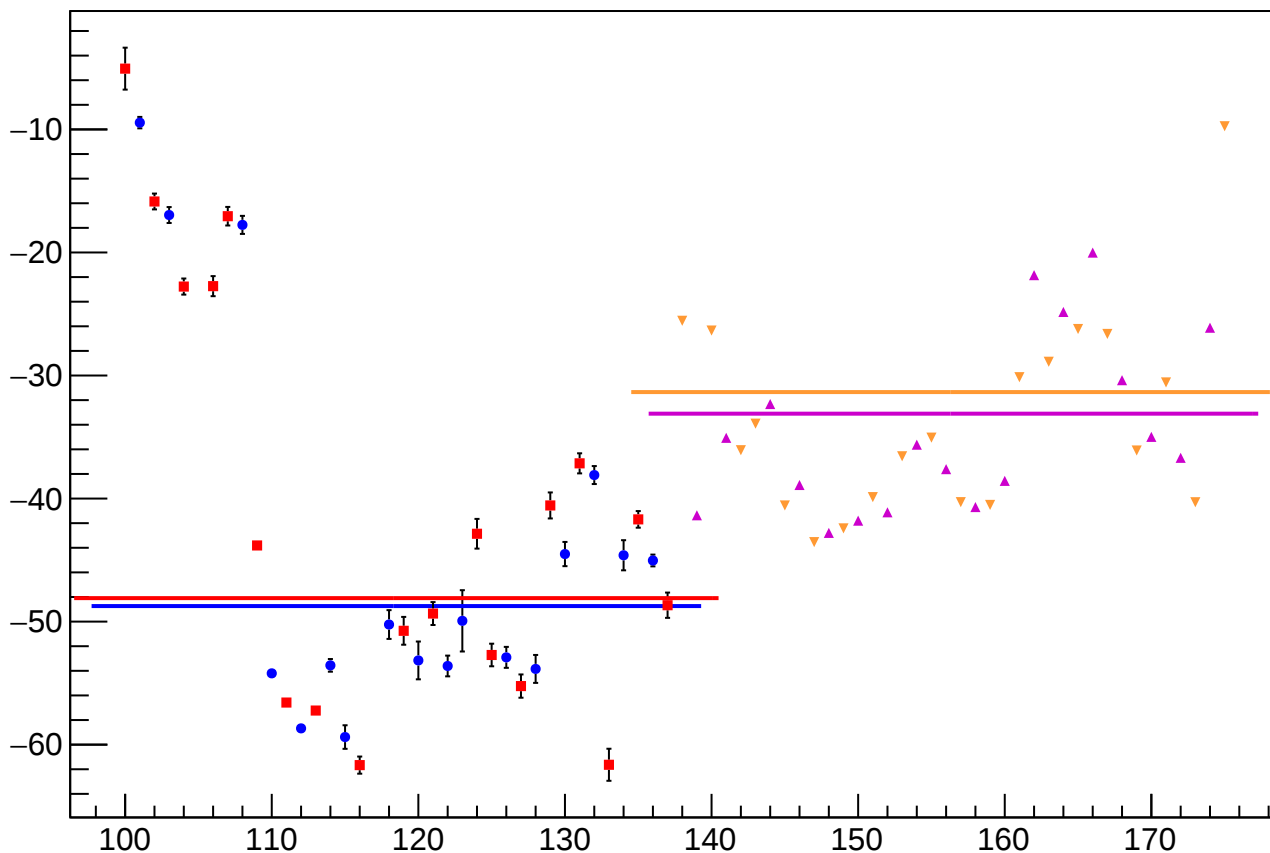
Left In: -37.266 ± 0.050 $\chi^2/\text{NDF}: 10099.5/17$

+ sign -38.398 ± 0.040 $\chi^2/\text{NDF}: 23561.1/36$

All: -38.281 ± 0.029 $\chi^2/\text{NDF}: 46004.8/73$

- sign -38.159 ± 0.041 $\chi^2/\text{NDF}: 22426.5/36$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -31.346 ± 0.063 χ^2/NDF : 21521.9/19

Right Out: -48.092 ± 0.107 χ^2/NDF : 11733.2/18

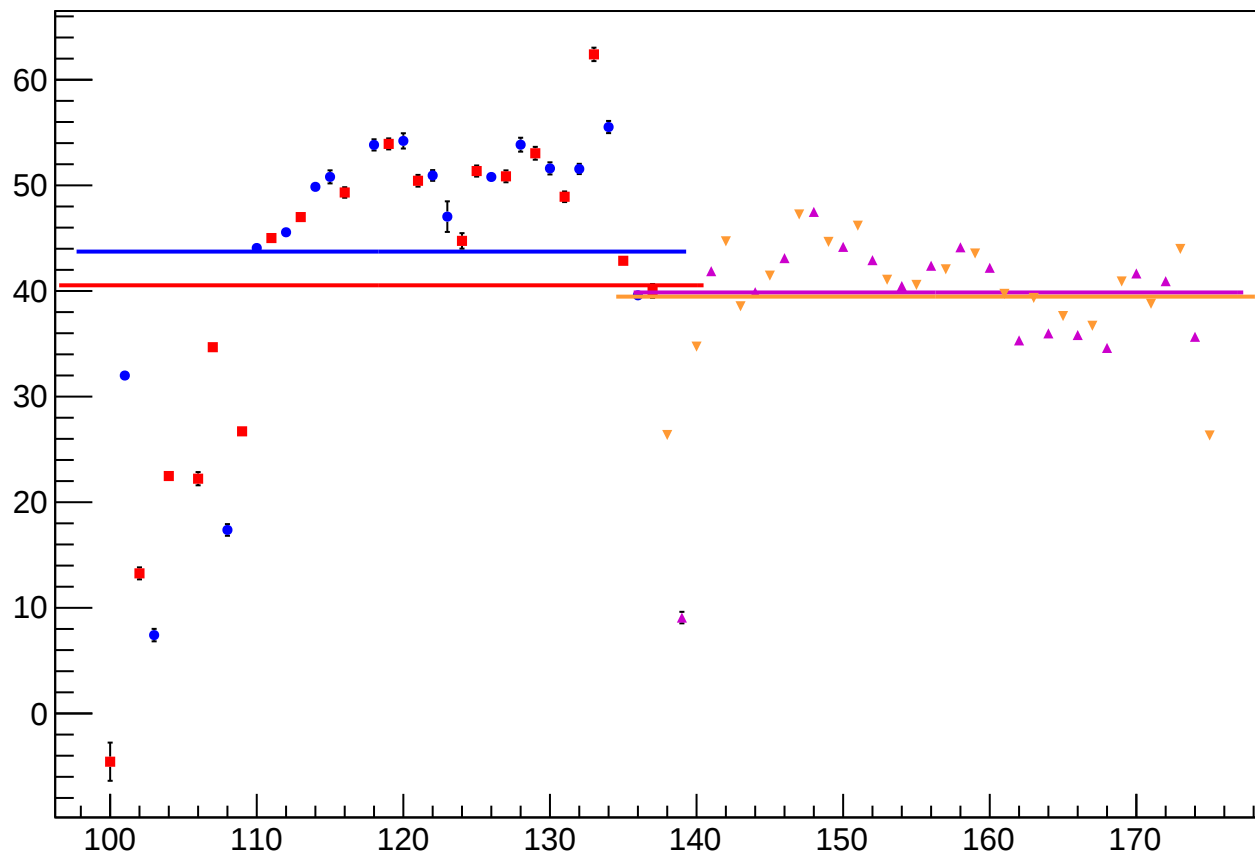
Left In: -33.101 ± 0.067 χ^2/NDF : 11540.8/17

+ sign -34.902 ± 0.056 χ^2/NDF : 51687.1/36

All: -36.081 ± 0.040 χ^2/NDF : 89949.5/73

- sign -37.268 ± 0.057 χ^2/NDF : 37383.8/36

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731+/-0.087 χ^2/NDF : 10567.7/16

Left Out: 39.465+/-0.053 χ^2/NDF : 10364.7/19

Right Out: 40.537+/-0.080 χ^2/NDF : 17601.3/18

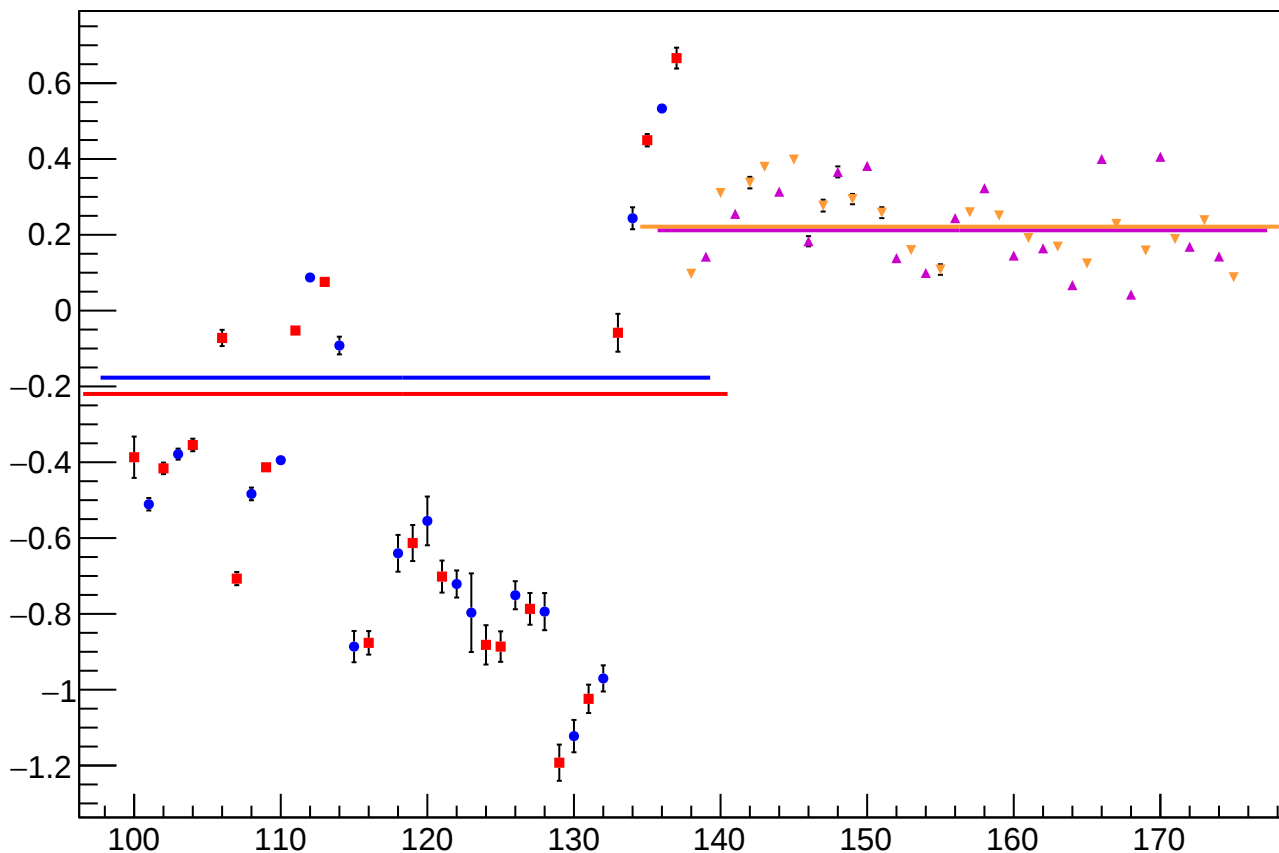
Left In: 39.860+/-0.057 χ^2/NDF : 7363.1/17

+ sign 40.638+/-0.046 χ^2/NDF : 22681.4/36

All: 40.367+/-0.032 χ^2/NDF : 47765.7/73

- sign 40.086+/-0.046 χ^2/NDF : 25012.0/36

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.221 ± 0.002 χ^2/NDF : 1229.7/19

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

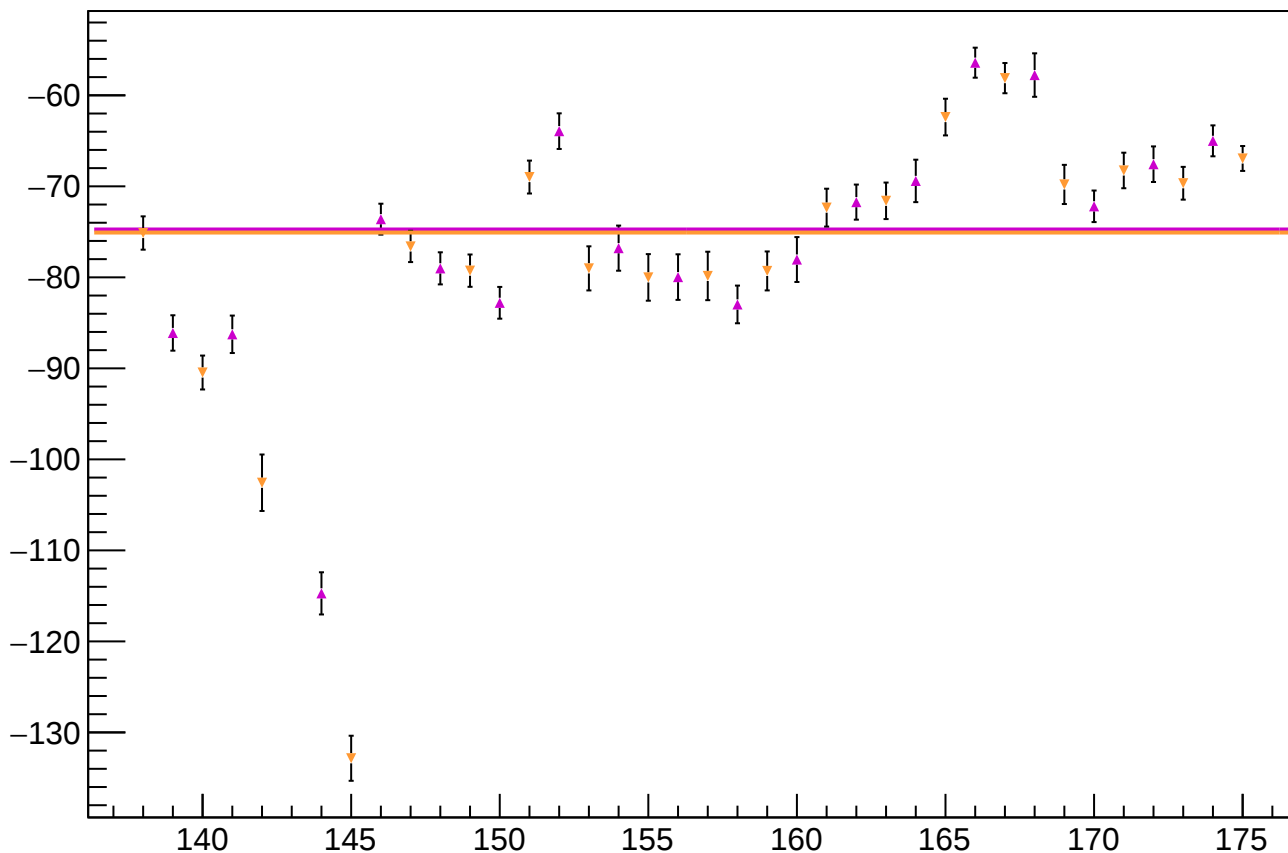
Left In: 0.212 ± 0.003 χ^2/NDF : 1924.4/17

+ sign 0.138 ± 0.002 χ^2/NDF : 13941.1/36

All: 0.117 ± 0.002 χ^2/NDF : 30858.7/73

- sign 0.098 ± 0.002 χ^2/NDF : 16754.5/36

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -75.076+/-0.451 χ^2/NDF : 933.6/18

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

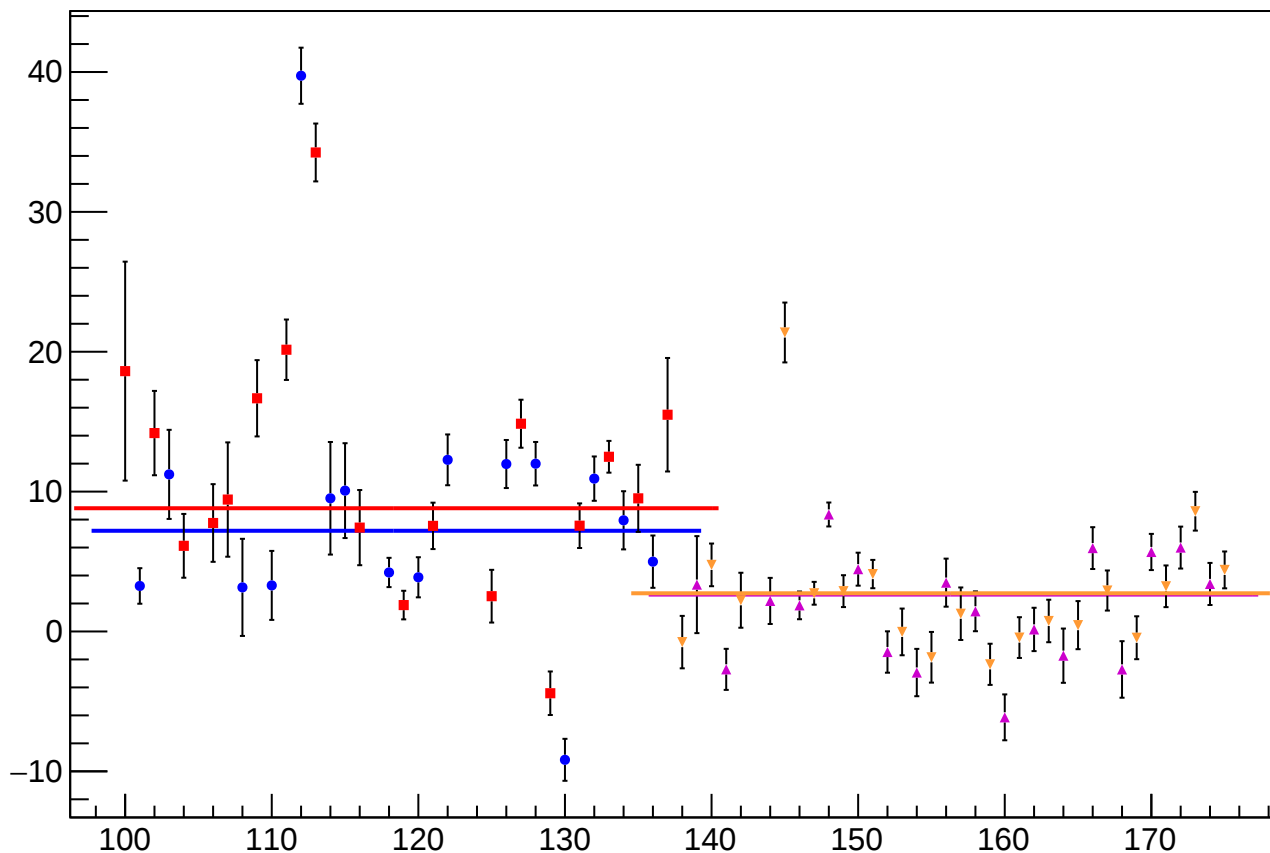
Left In: -74.743+/-0.466 χ^2/NDF : 673.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -74.915+/-0.324 χ^2/NDF : 1607.7/36

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.731 ± 0.324 χ^2/NDF : 136.9/18

Right Out: 8.810 ± 0.448 χ^2/NDF : 349.7/17

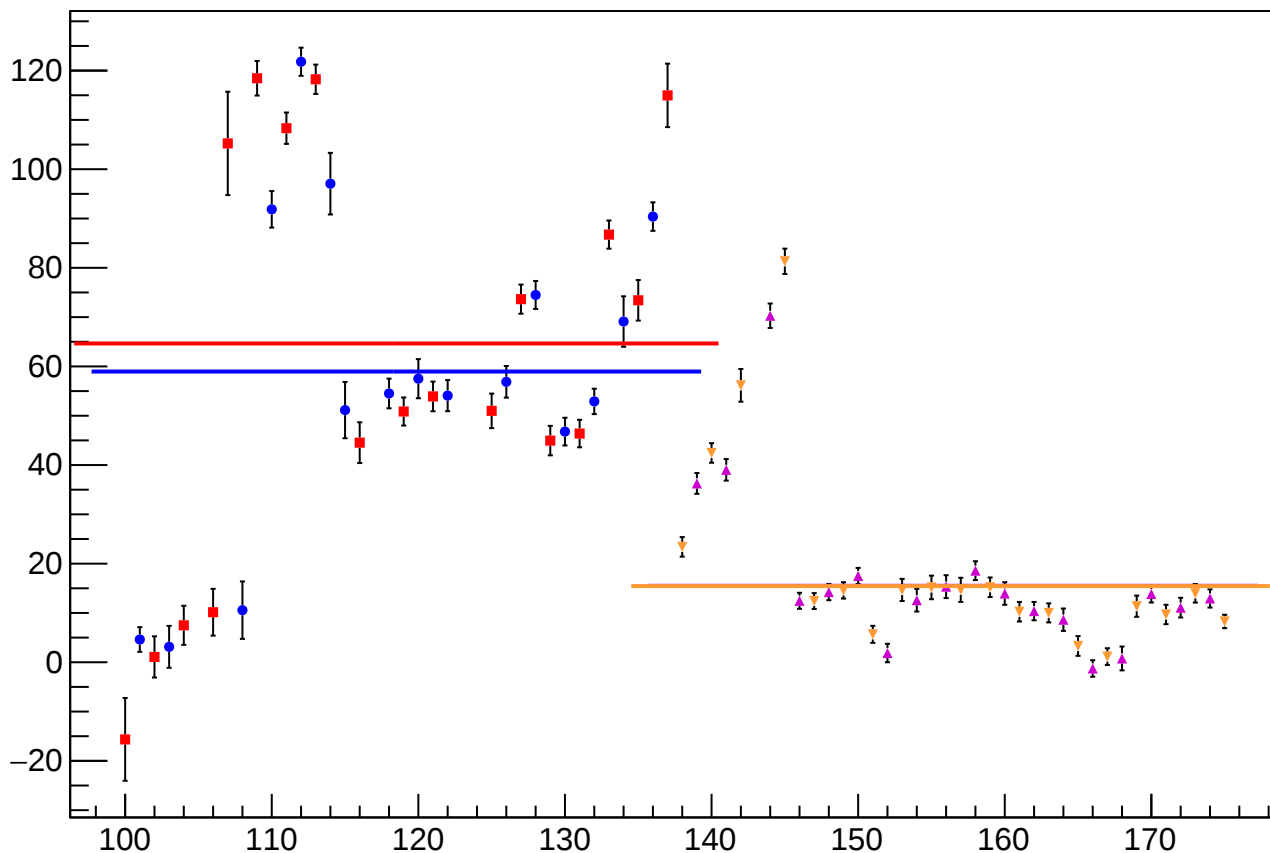
Left In: 2.636 ± 0.335 χ^2/NDF : 139.7/17

+ sign 4.301 ± 0.261 χ^2/NDF : 647.7/34

All: 4.570 ± 0.187 χ^2/NDF : 1261.0/70

- sign 4.856 ± 0.269 χ^2/NDF : 611.1/35

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 15.449 $\pm$ 0.445 χ^2 /NDF:1208.1/18

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

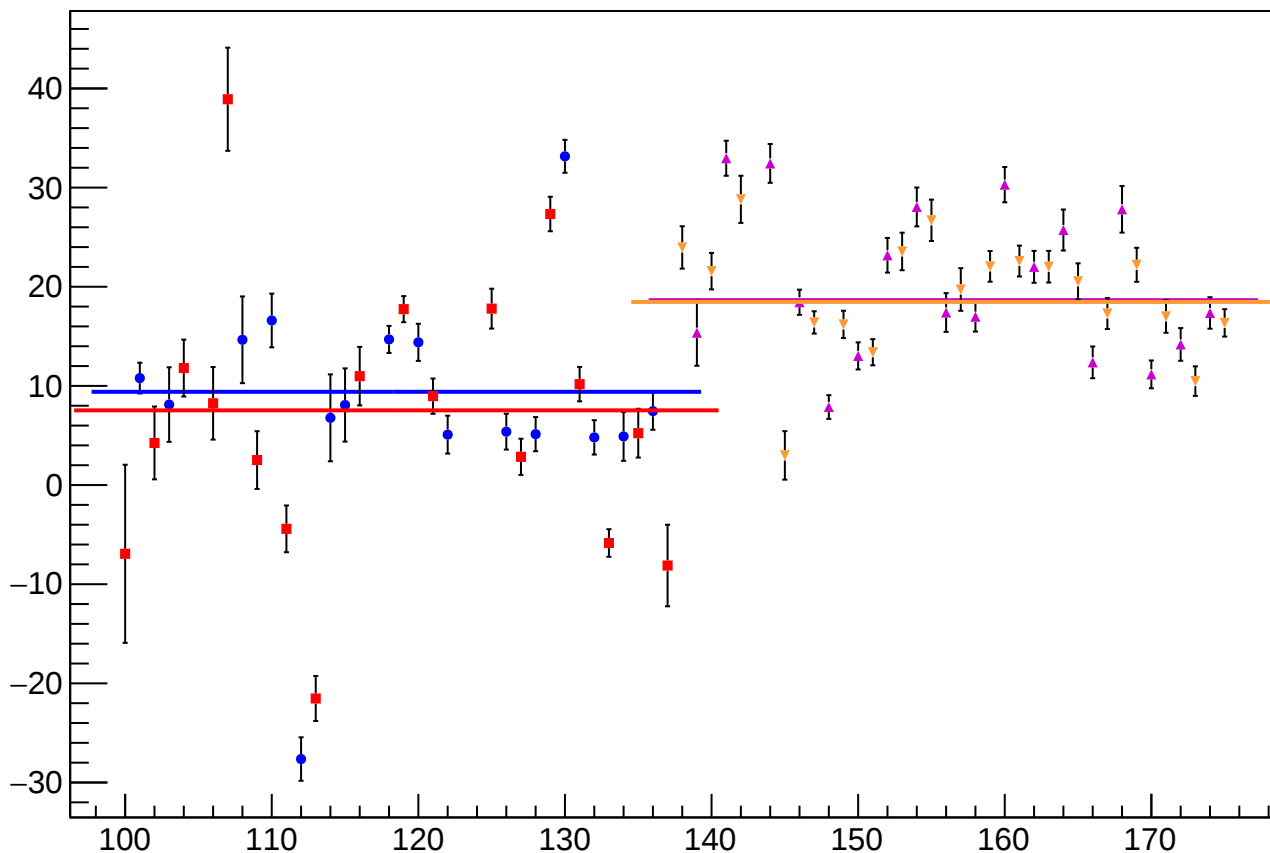
Left In: 15.510 $\pm$ 0.460 χ^2 /NDF:925.5/17

+ sign 25.051 $\pm$ 0.393 χ^2 /NDF: 4811.2/34

All: 25.927 $\pm$ 0.282 χ^2 /NDF: 10101.6/70

- sign 26.850 $\pm$ 0.404 χ^2 /NDF: 5280.2/35

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 18.467 ± 0.375 χ^2/NDF : 168.4/18

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

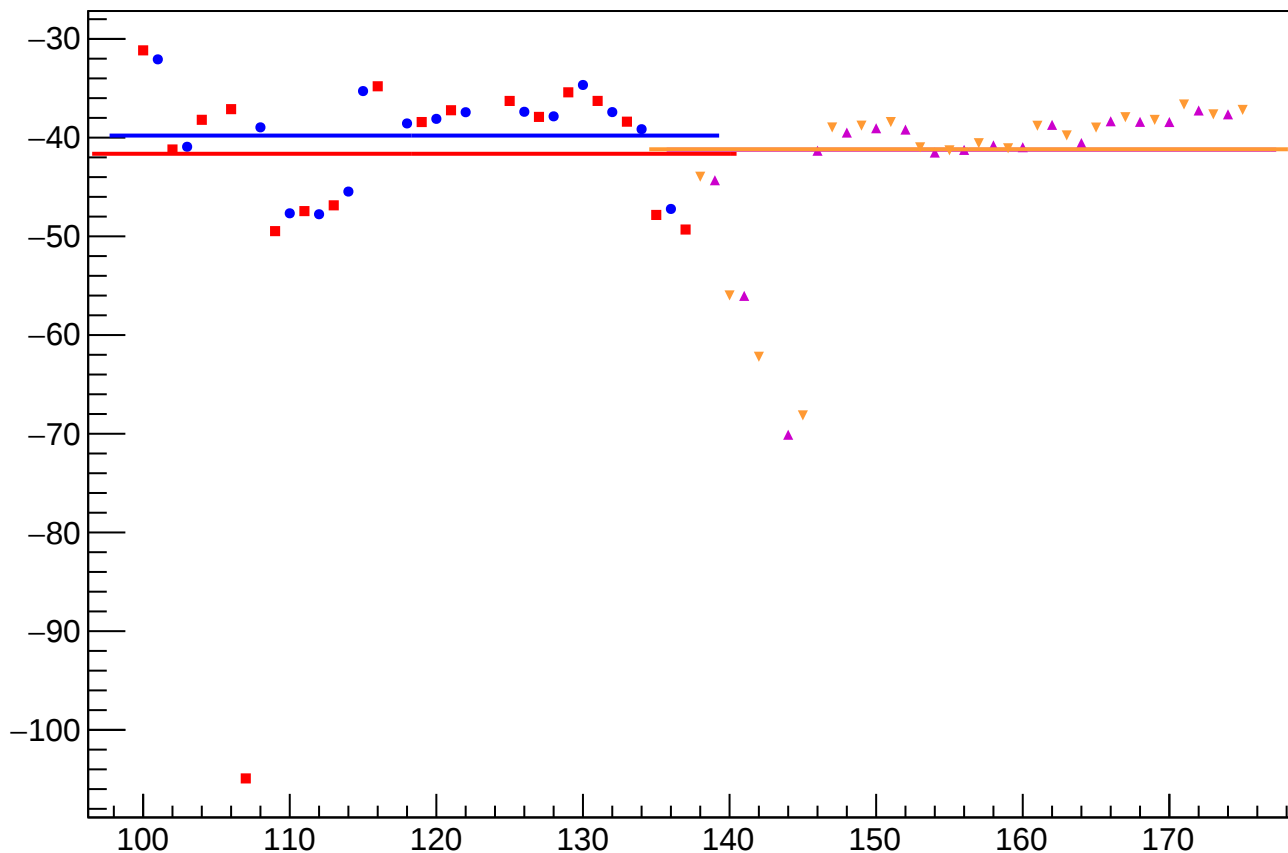
Left In: 18.646 ± 0.389 χ^2/NDF : 371.8/17

+ sign 15.257 ± 0.302 χ^2/NDF : 924.4/34

All: 14.940 ± 0.216 χ^2/NDF : 2164.7/70

- sign 14.604 ± 0.310 χ^2/NDF : 1238.1/35

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -41.180 ± 0.018 χ^2/NDF : 145190.4/18

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

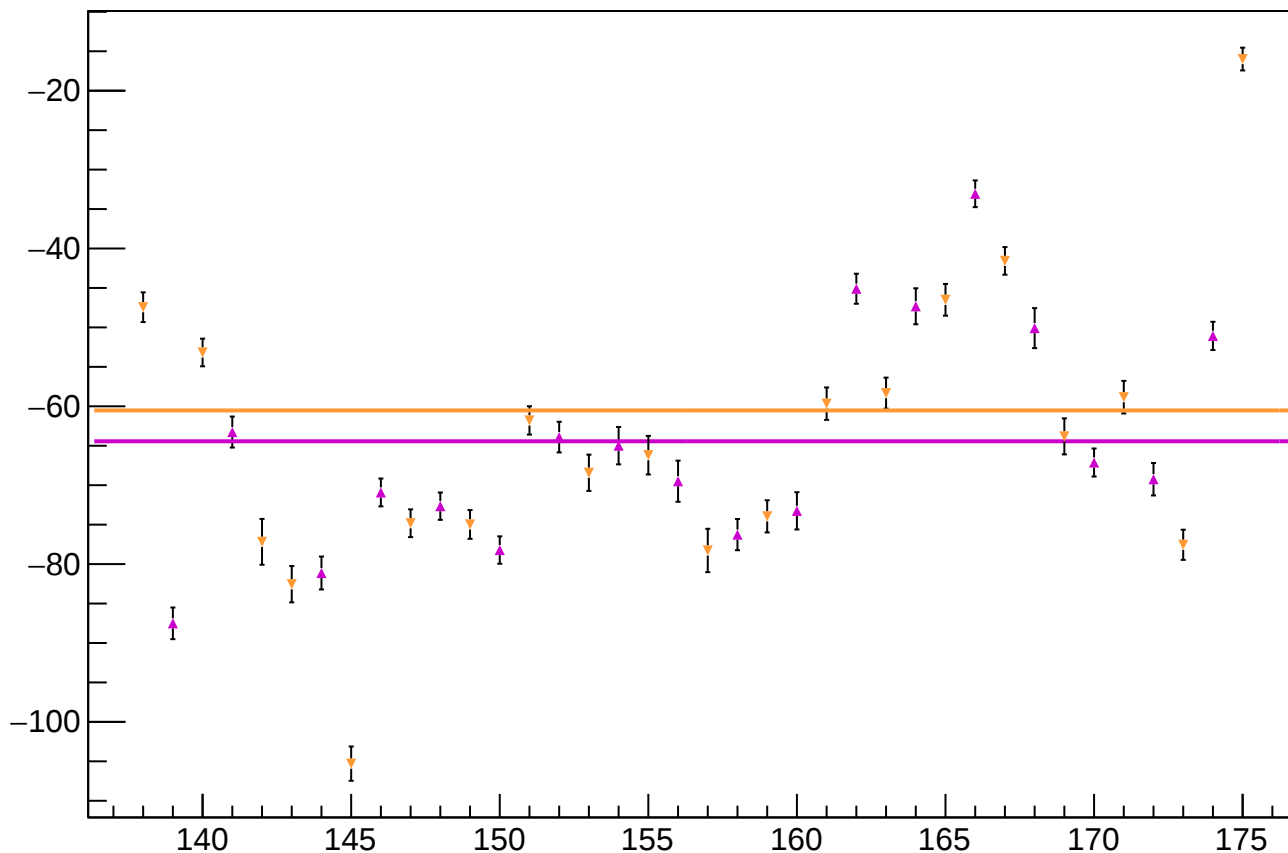
Left In: -41.223 ± 0.018 χ^2/NDF : 114322.6/17

+ sign -40.839 ± 0.015 χ^2/NDF : 172821.6/34

All: -41.081 ± 0.011 χ^2/NDF : 382160.2/70

- sign -41.326 ± 0.016 χ^2/NDF : 208846.8/35

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -60.525+/-0.446 χ^2/NDF : 2047.3/19

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

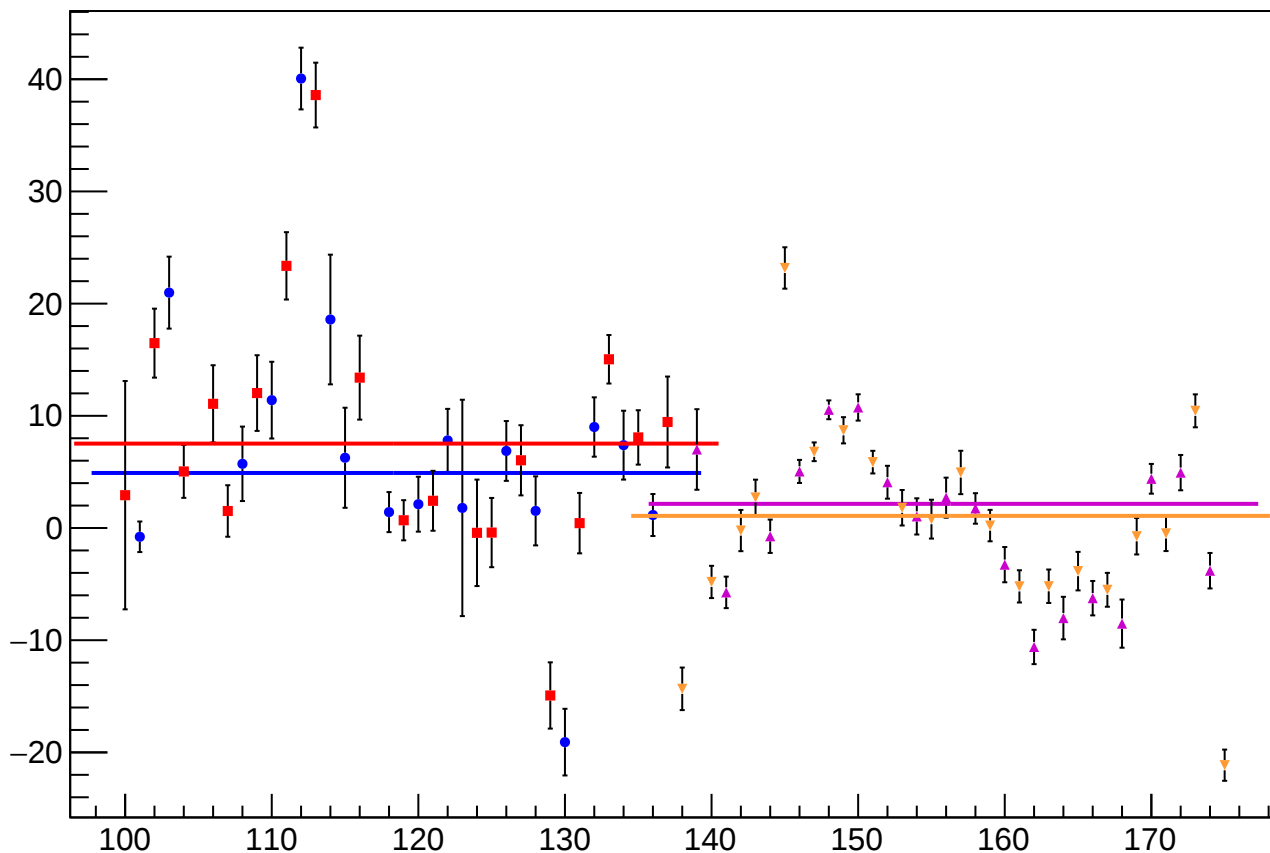
Left In: -64.434+/-0.467 χ^2/NDF : 947.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -62.388+/-0.322 χ^2/NDF : 3031.9/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 1.082 ± 0.318 χ^2/NDF : 707.0/19

Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

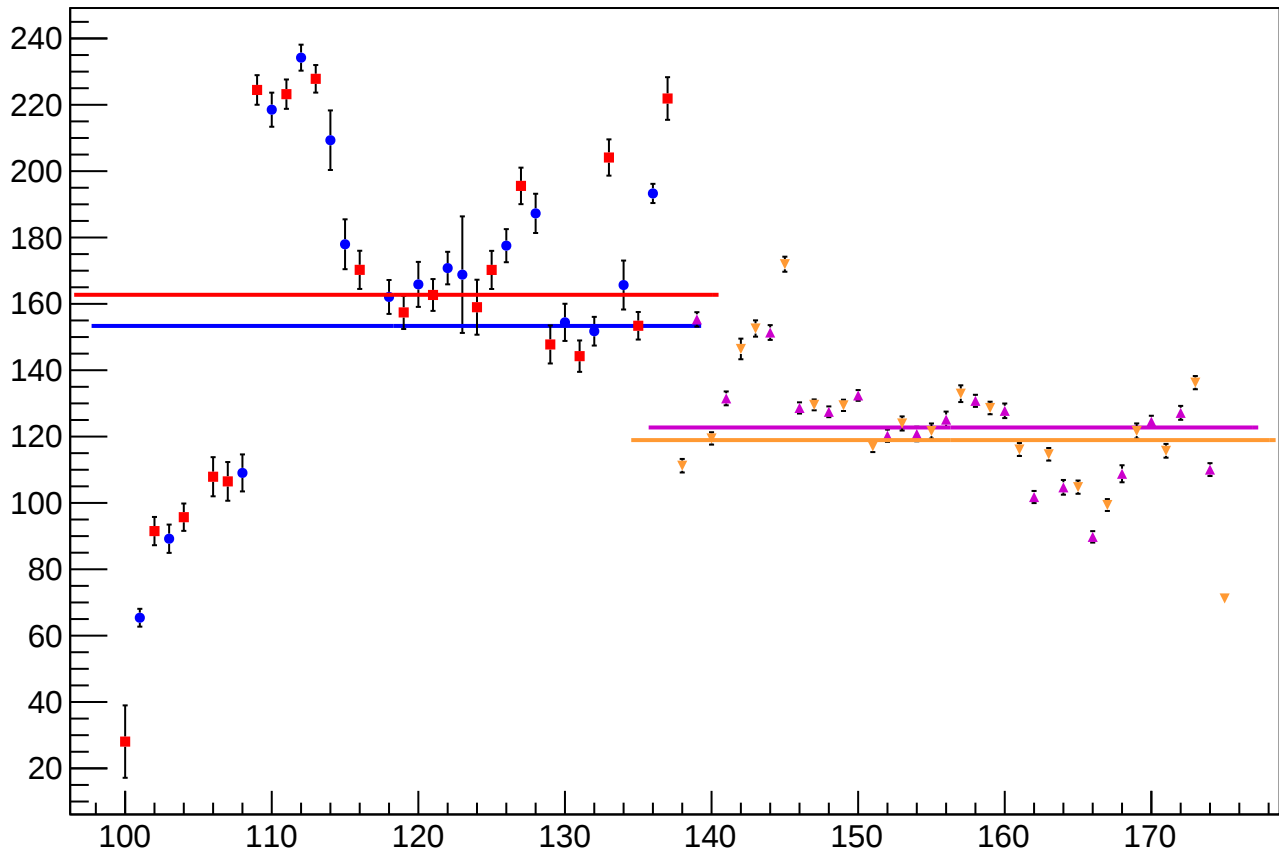
Left In: 2.153 ± 0.334 χ^2/NDF : 386.2/17

+ sign 1.863 ± 0.284 χ^2/NDF : 1032.0/36

All: 2.536 ± 0.205 χ^2/NDF : 1754.5/73

- sign 3.274 ± 0.297 χ^2/NDF : 710.7/36

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 118.938 $\pm$ 0.441 χ^2 /NDF:2323.1/19

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

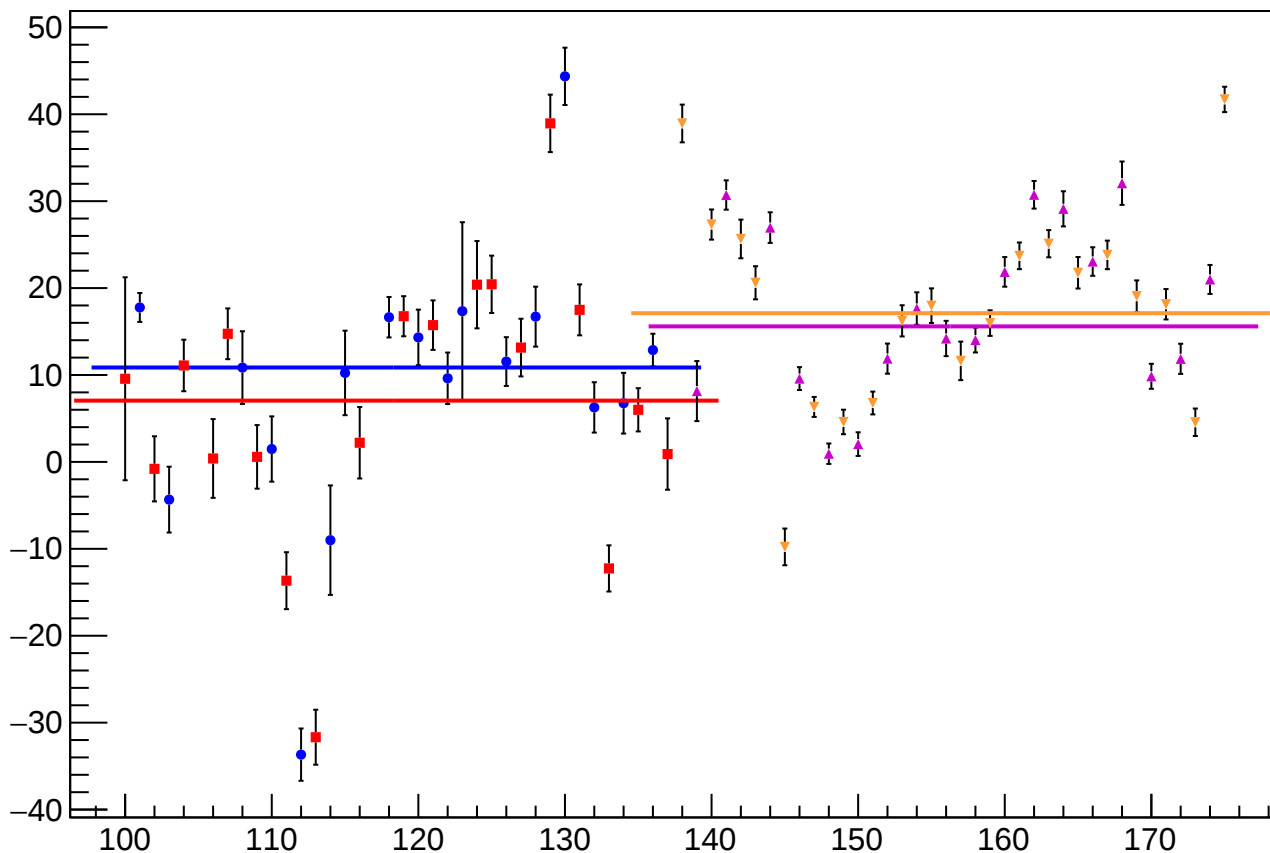
Left In: 122.742 $\pm$ 0.460 χ^2 /NDF:1131.6/17

+ sign 123.343 $\pm$ 0.412 χ^2 /NDF: 5371.9/36

All: 125.599 $\pm$ 0.297 χ^2 /NDF: 9276.6/73

- sign 128.045 $\pm$ 0.429 χ^2 /NDF: 3842.0/36

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 17.111 $\pm$ 0.370 χ^2 /NDF: 968.4/19

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

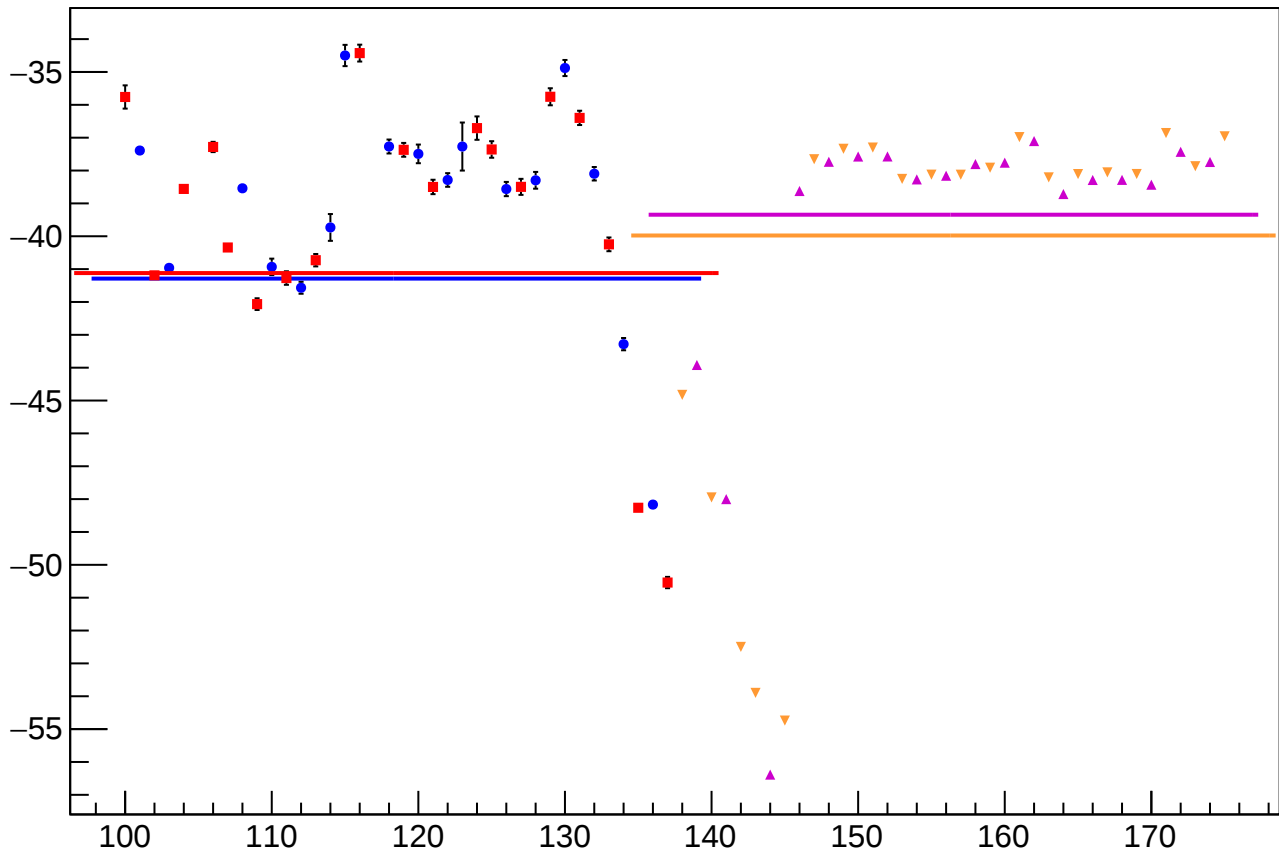
Left In: 15.592 $\pm$ 0.388 χ^2 /NDF: 654.0/17

+ sign 15.807 $\pm$ 0.329 χ^2 /NDF: 1416.0/36

All: 14.840 $\pm$ 0.238 χ^2 /NDF: 2615.7/73

- sign 13.780 $\pm$ 0.344 χ^2 /NDF: 1181.5/36

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -39.977 ± 0.018 $\chi^2/\text{NDF}: 84579.5/19$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

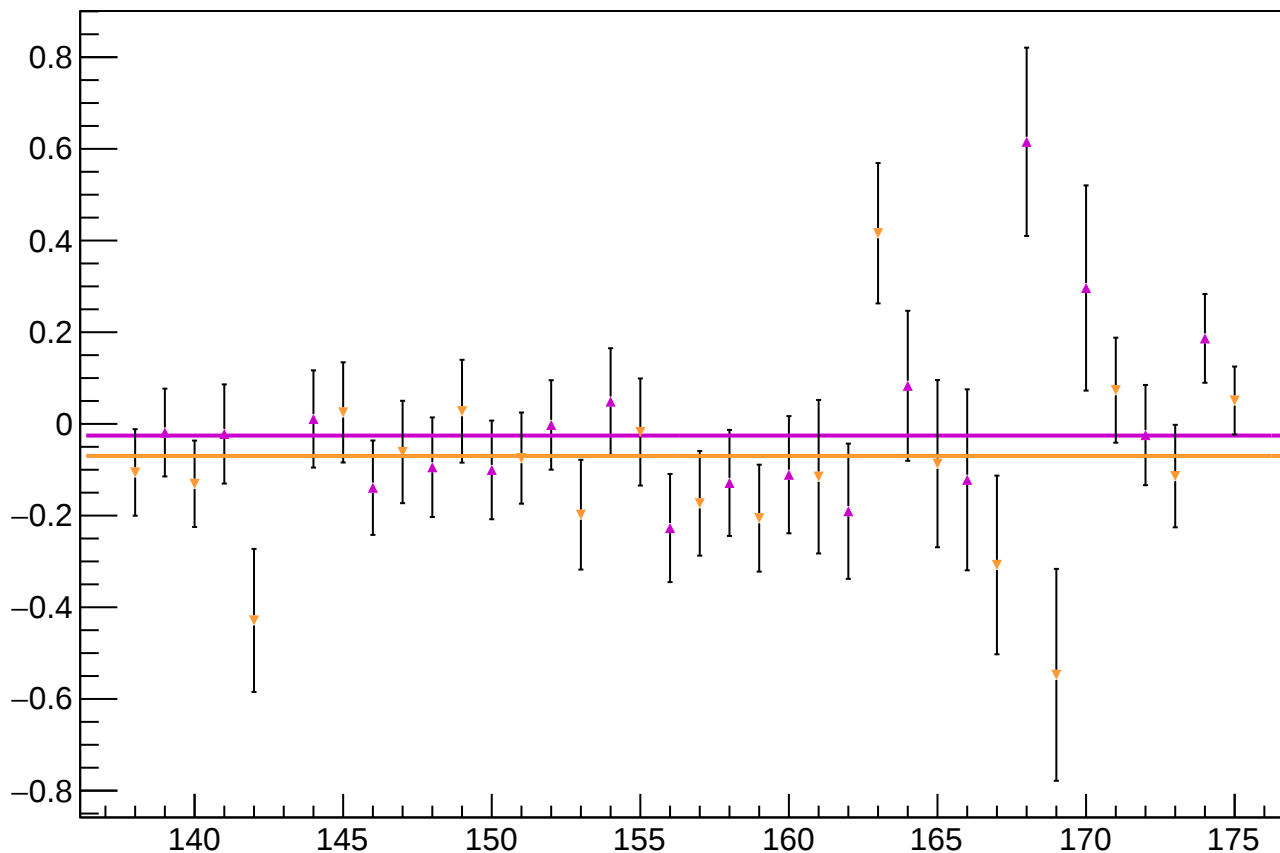
Left In: -39.344 ± 0.018 $\chi^2/\text{NDF}: 50472.7/17$

+ sign -40.202 ± 0.016 $\chi^2/\text{NDF}: 98044.5/36$

All: -39.937 ± 0.011 $\chi^2/\text{NDF}: 162923.1/73$

- sign -39.661 ± 0.016 $\chi^2/\text{NDF}: 64317.1/36$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.070 $\pm$ 0.027 χ^2 /NDF: 31.2/18

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

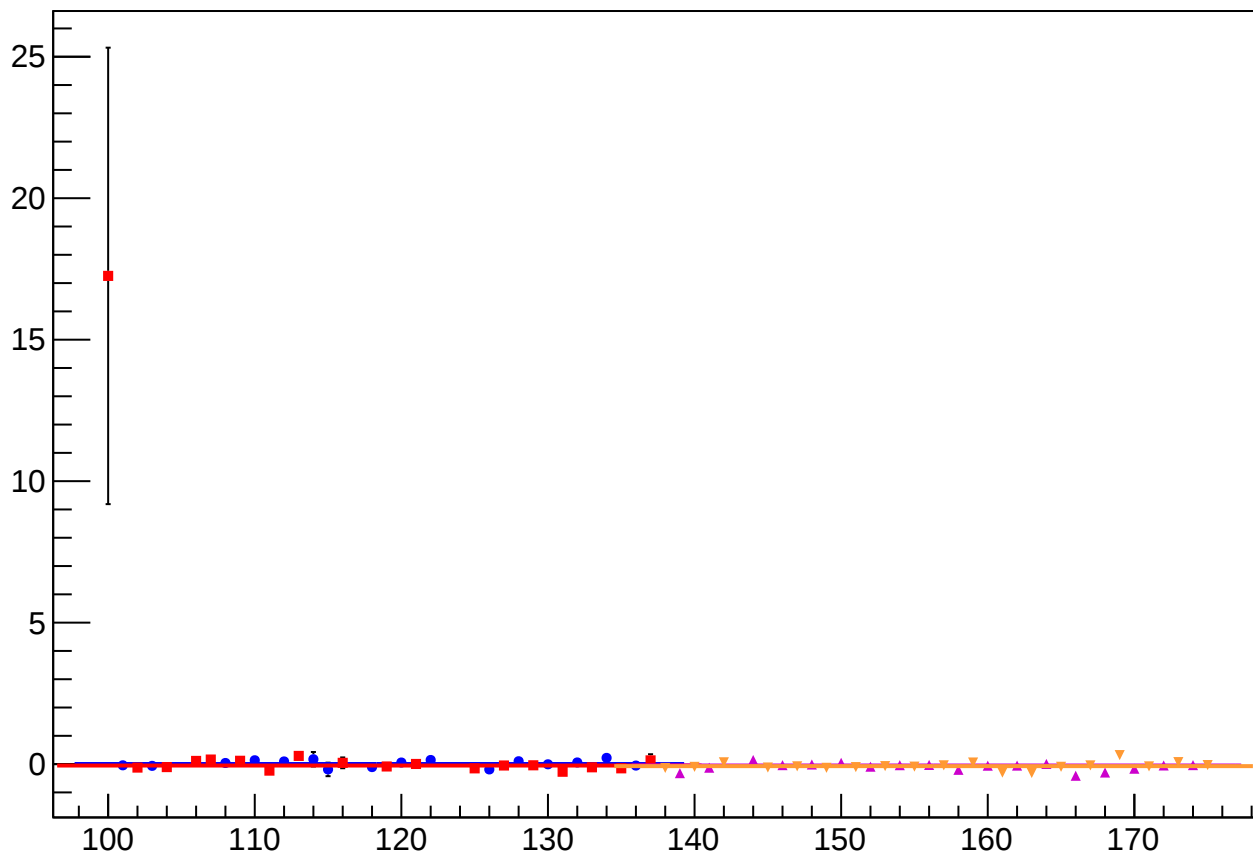
Left In: -0.025 $\pm$ 0.028 χ^2 /NDF: 25.4/17

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

All: -0.049 $\pm$ 0.019 χ^2 /NDF: 57.9/36

- 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: -0.071 ± 0.019 χ^2/NDF : 23.0/18

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.6/17

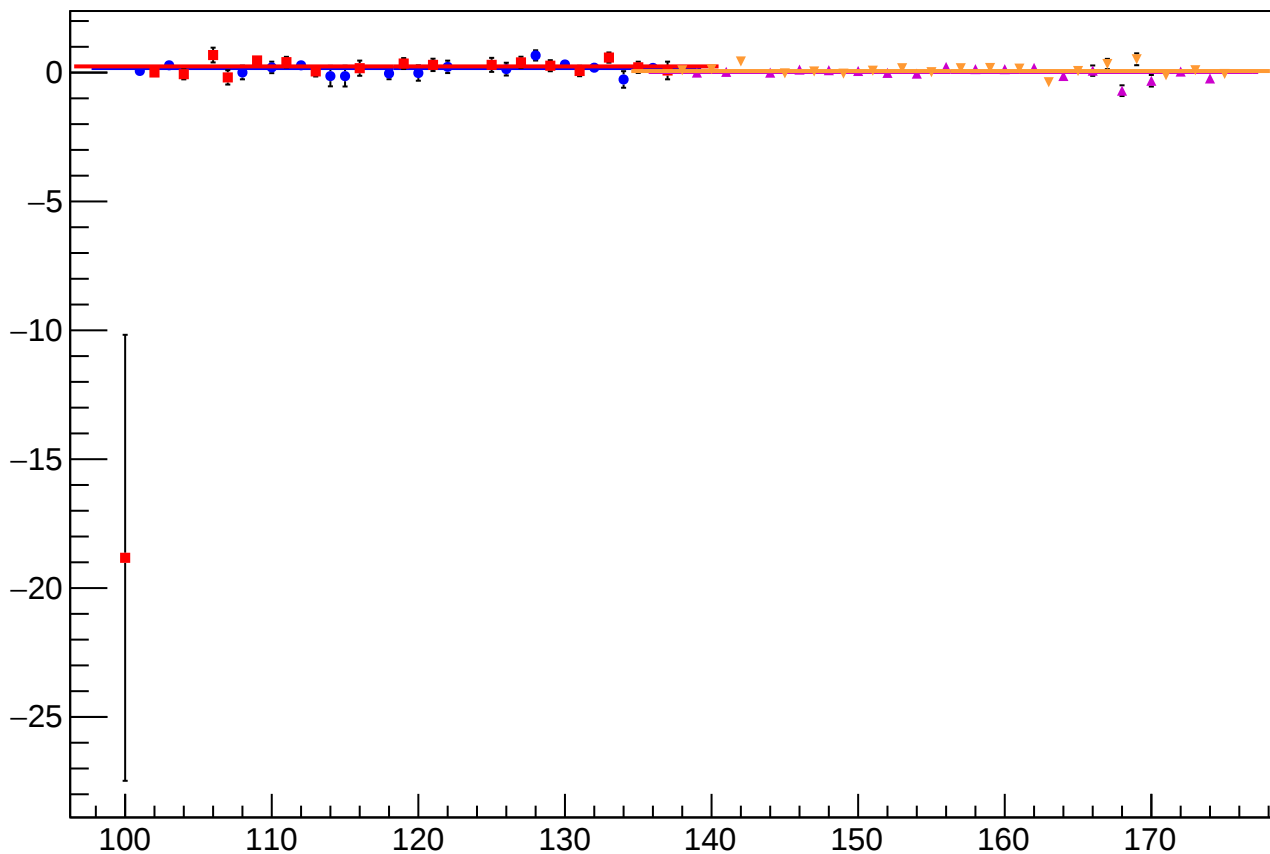
Left In: -0.049 ± 0.020 χ^2/NDF : 23.0/17

+ sign -0.048 ± 0.016 χ^2/NDF : 40.1/34

All: -0.048 ± 0.012 χ^2/NDF : 88.7/70

- sign -0.049 ± 0.017 χ^2/NDF : 48.6/35

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 ± 0.053 χ^2/NDF : 13.0/15

Left Out: 0.060 ± 0.026 χ^2/NDF : 29.7/18

Right Out: 0.240 ± 0.054 χ^2/NDF : 21.6/17

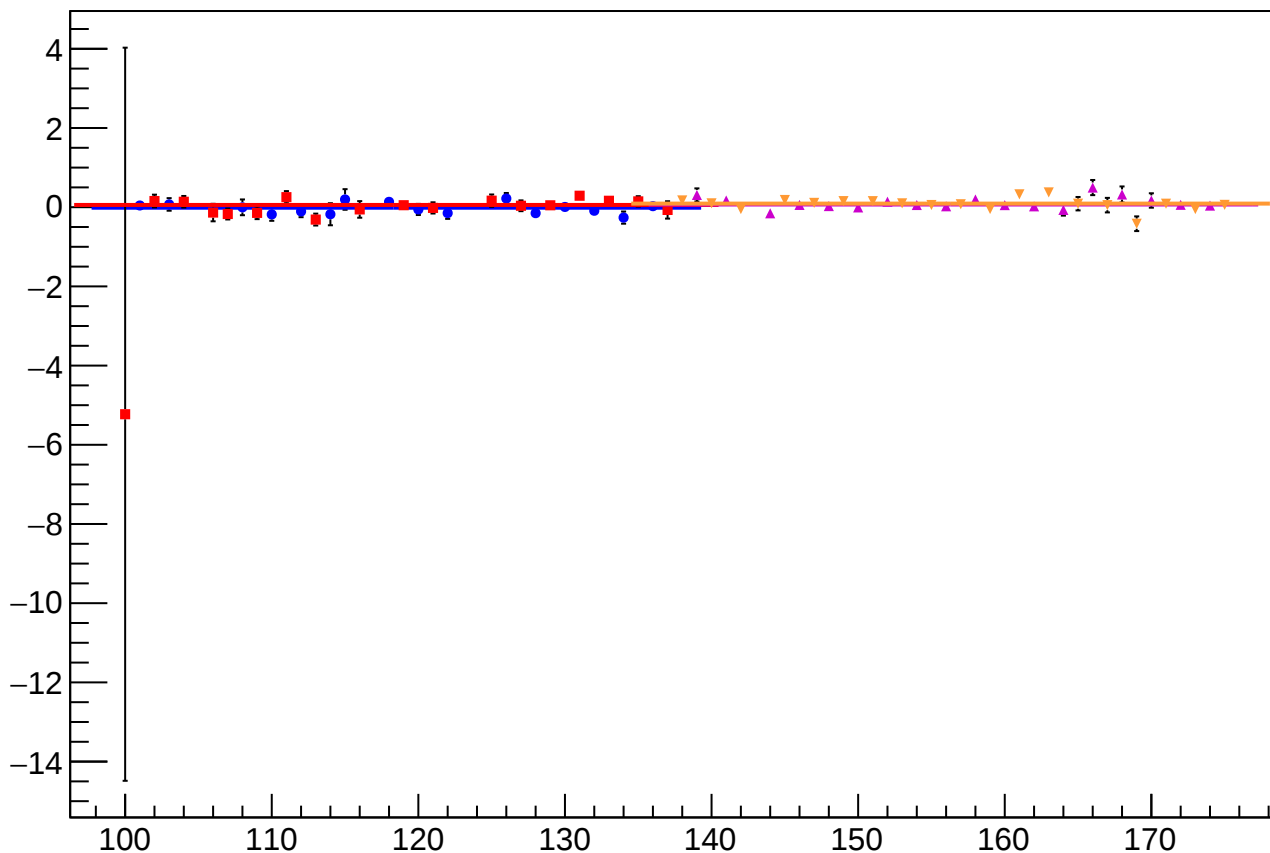
Left In: 0.022 ± 0.028 χ^2/NDF : 29.7/17

+ sign 0.083 ± 0.024 χ^2/NDF : 46.6/34

All: 0.076 ± 0.017 χ^2/NDF : 111.0/70

- sign 0.067 ± 0.025 χ^2/NDF : 64.2/35

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.091 ± 0.023 χ^2/NDF : 25.4/18

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

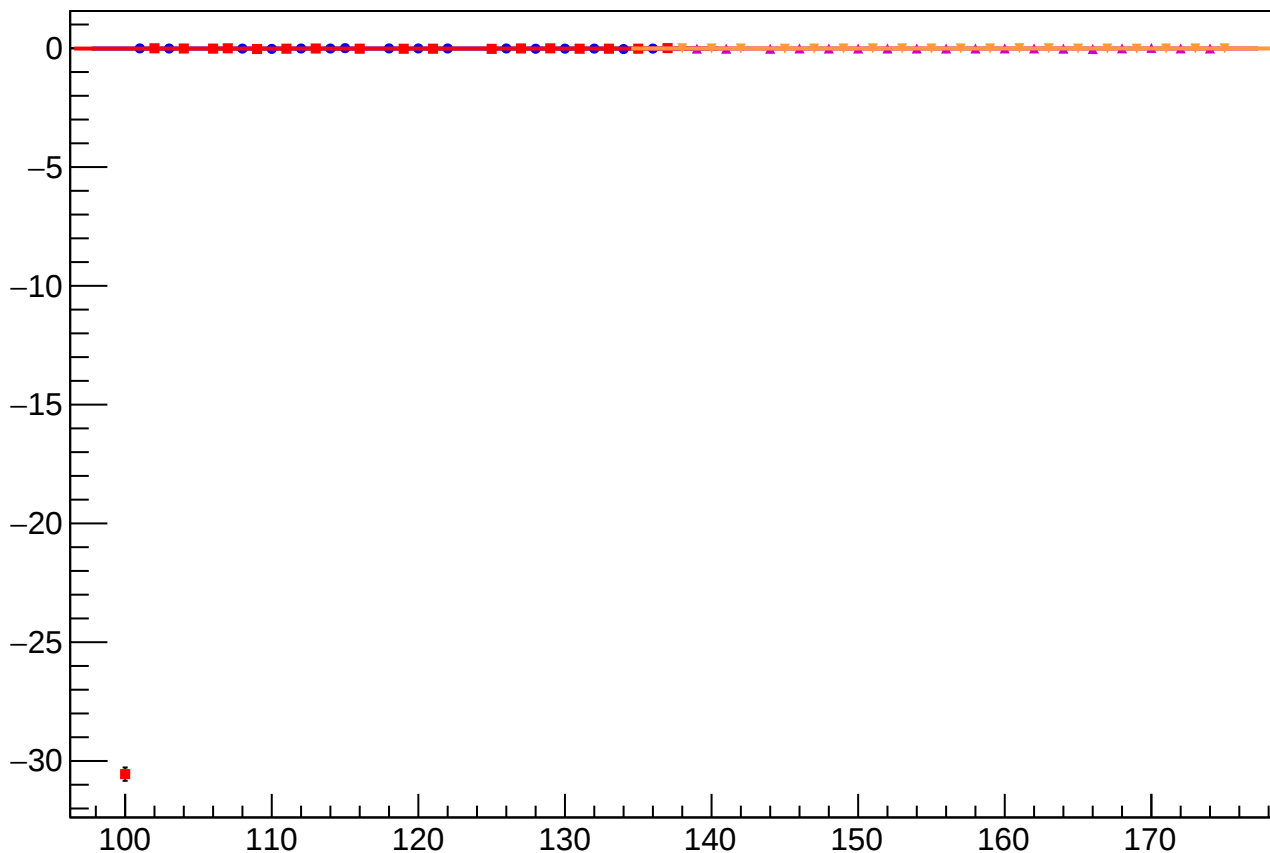
Left In: 0.068 ± 0.023 χ^2/NDF : 21.8/17

+ sign 0.057 ± 0.019 χ^2/NDF : 45.8/34

All: 0.061 ± 0.013 χ^2/NDF : 88.0/70

- sign 0.064 ± 0.019 χ^2/NDF : 42.2/35

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: 15.2/18

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

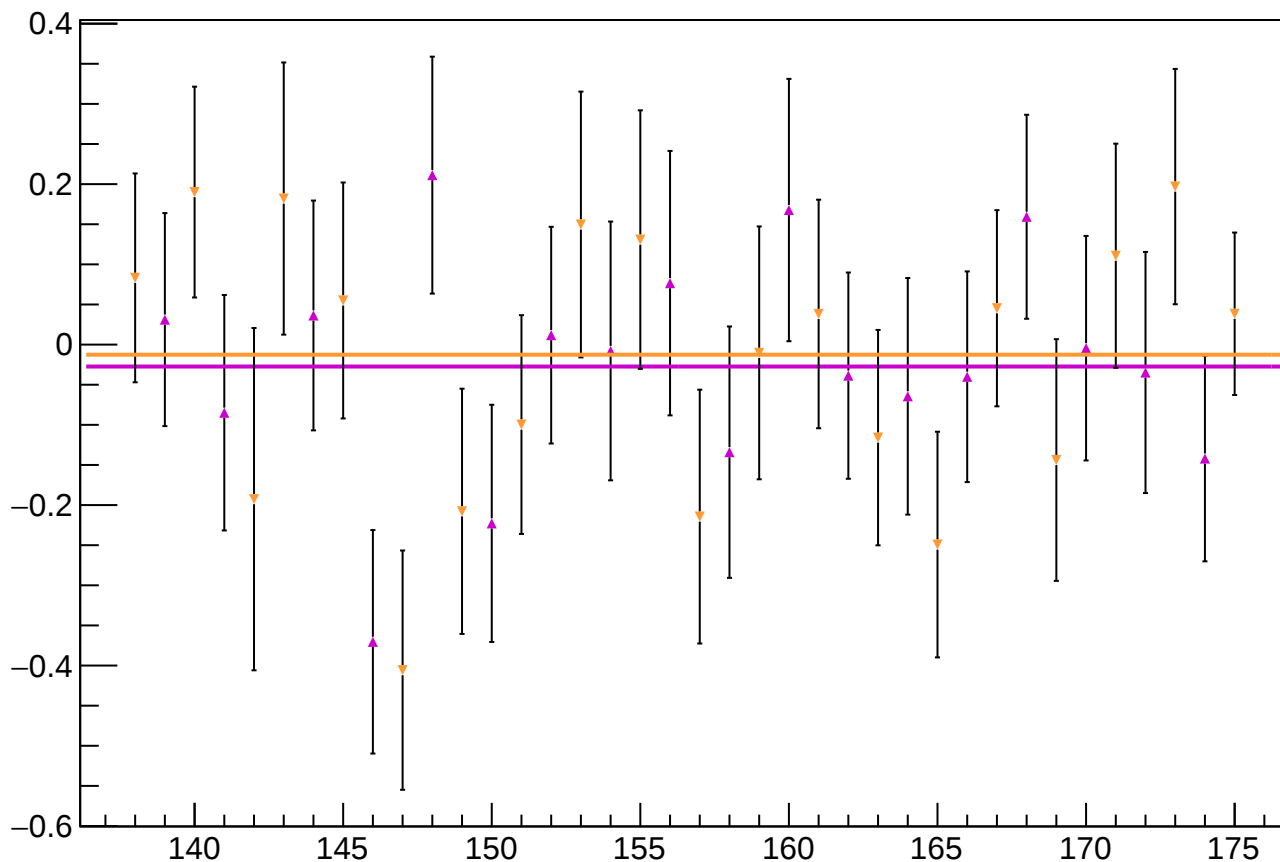
Left In: -0.010 $\pm$ 0.001 χ^2 /NDF: 30.4/17

+ sign -0.009 $\pm$ 0.001 χ^2 /NDF: 31.3/34

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11955.4/70

- sign -0.010 $\pm$ 0.001 χ^2 /NDF: 11923.1/35

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.013 $\pm$ 0.032 χ^2 /NDF: 25.1/19

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

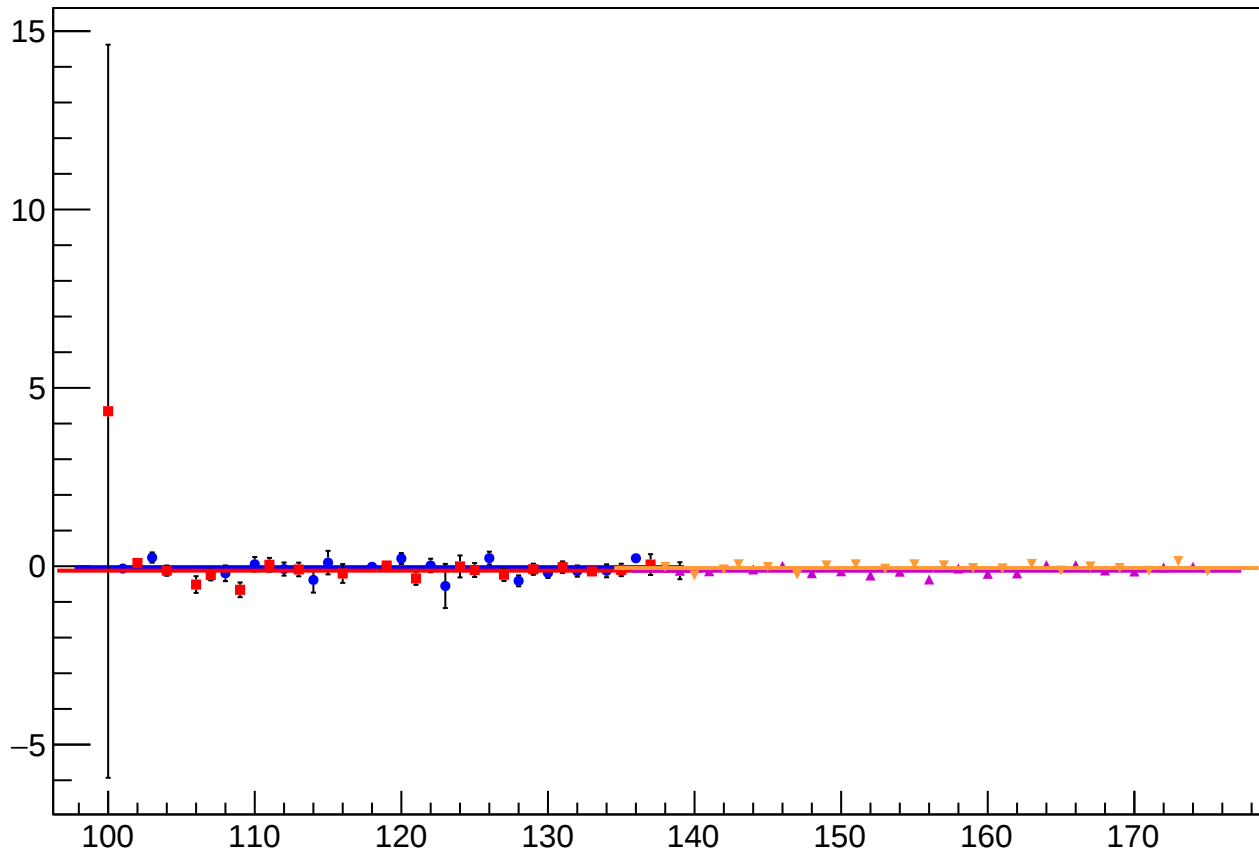
Left In: -0.027 $\pm$ 0.034 χ^2 /NDF: 16.4/17

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

All: -0.020 $\pm$ 0.023 χ^2 /NDF: 41.7/37

- 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: -0.051 ± 0.023 χ^2/NDF : 20.8/19

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

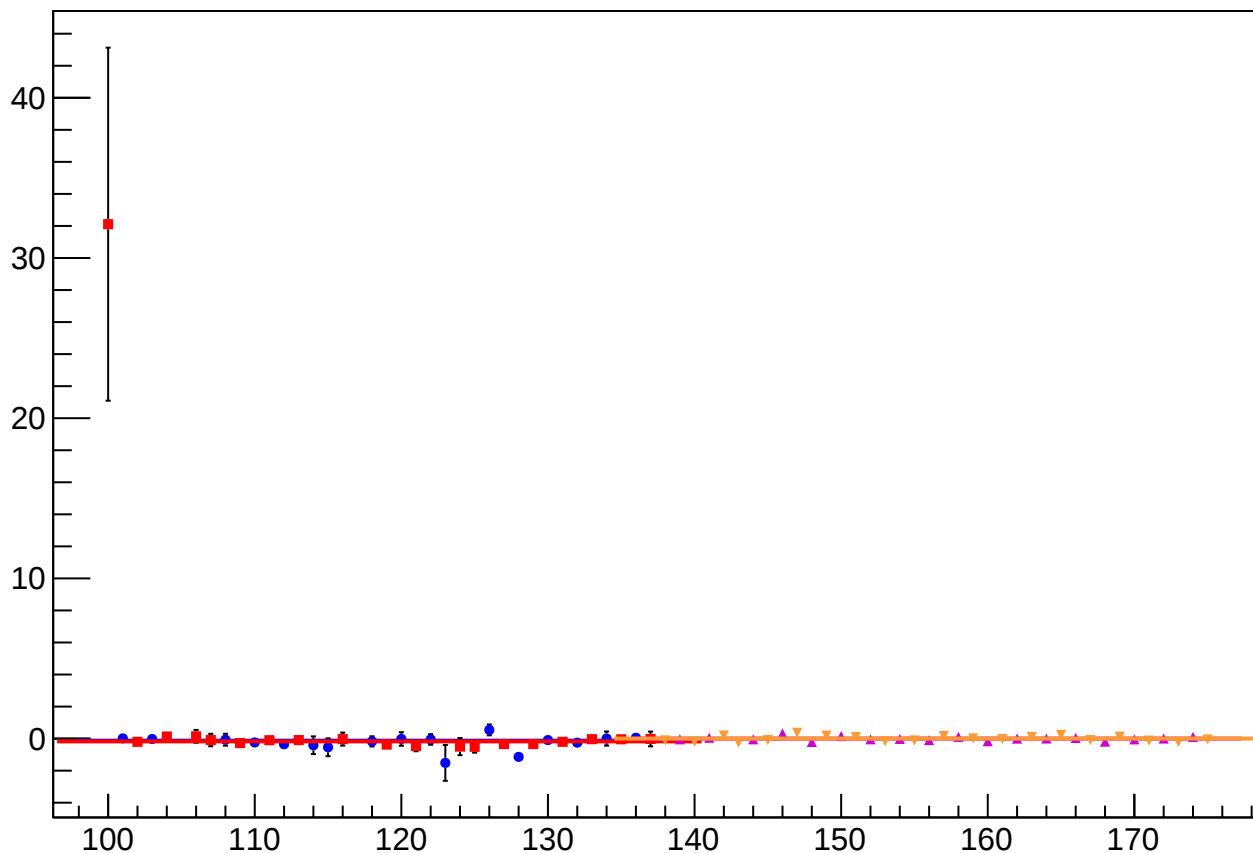
Left In: -0.125 ± 0.025 χ^2/NDF : 16.8/17

+ sign -0.043 ± 0.020 χ^2/NDF : 43.8/36

All: -0.082 ± 0.014 χ^2/NDF : 86.9/73

- sign -0.125 ± 0.021 χ^2/NDF : 35.1/36

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.003 ± 0.032 χ^2/NDF : 24.8/19

Right Out: -0.172 ± 0.071 χ^2/NDF : 14.9/18

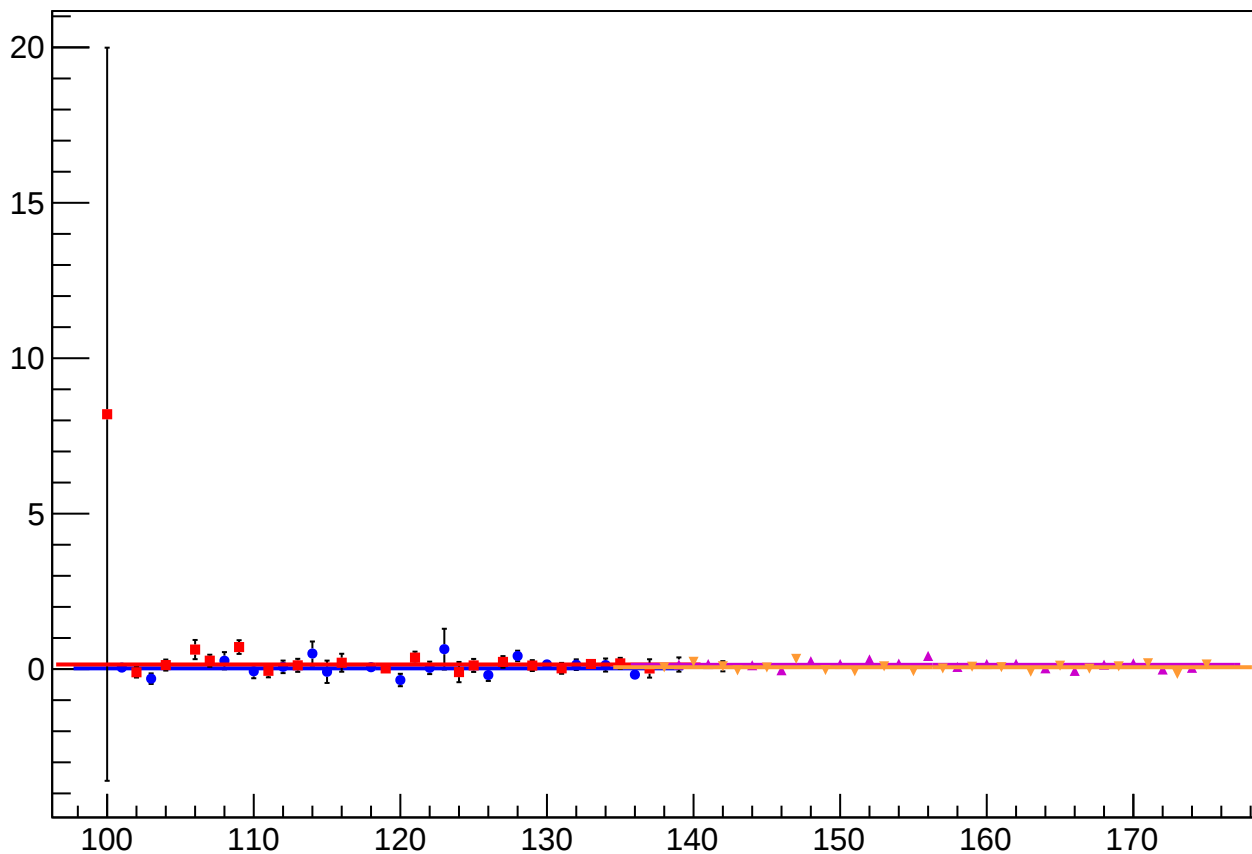
Left In: 0.000 ± 0.033 χ^2/NDF : 14.8/17

+ sign -0.021 ± 0.029 χ^2/NDF : 51.1/36

All: -0.026 ± 0.021 χ^2/NDF : 85.7/73

- sign -0.031 ± 0.030 χ^2/NDF : 34.6/36

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 $\pm$ 0.043 χ^2 /NDF: 21.3/16

Left Out: 0.059 $\pm$ 0.027 χ^2 /NDF:20.5/19

Right Out: 0.148 $\pm$ 0.045 χ^2 /NDF: 16.6/18

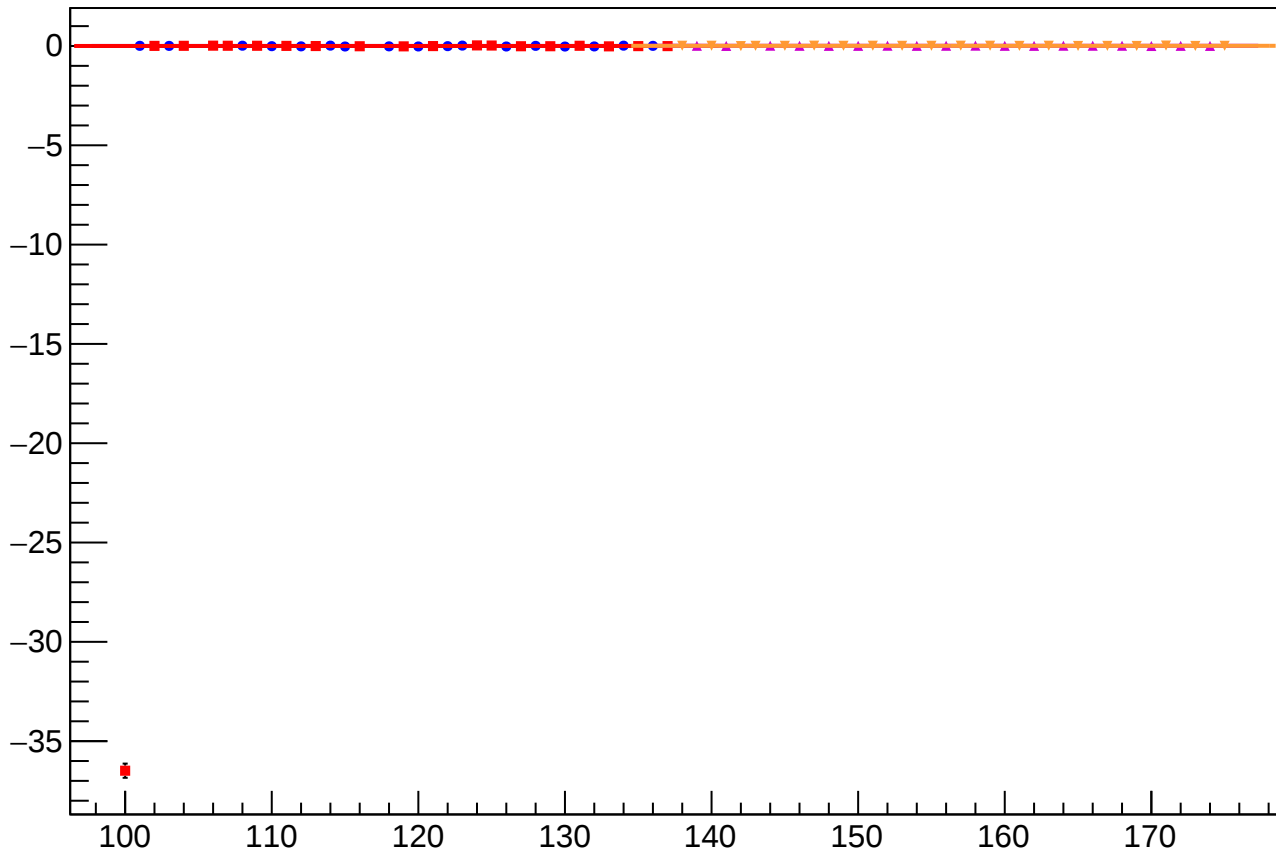
Left In: 0.137 $\pm$ 0.029 χ^2 /NDF:17.1/17

+ sign 0.049 $\pm$ 0.023 χ^2 /NDF: 42.3/36

All: 0.092 $\pm$ 0.017 χ^2 /NDF: 83.6/73

- sign 0.140 $\pm$ 0.024 χ^2 /NDF: 33.7/36

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: 18.7/19

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

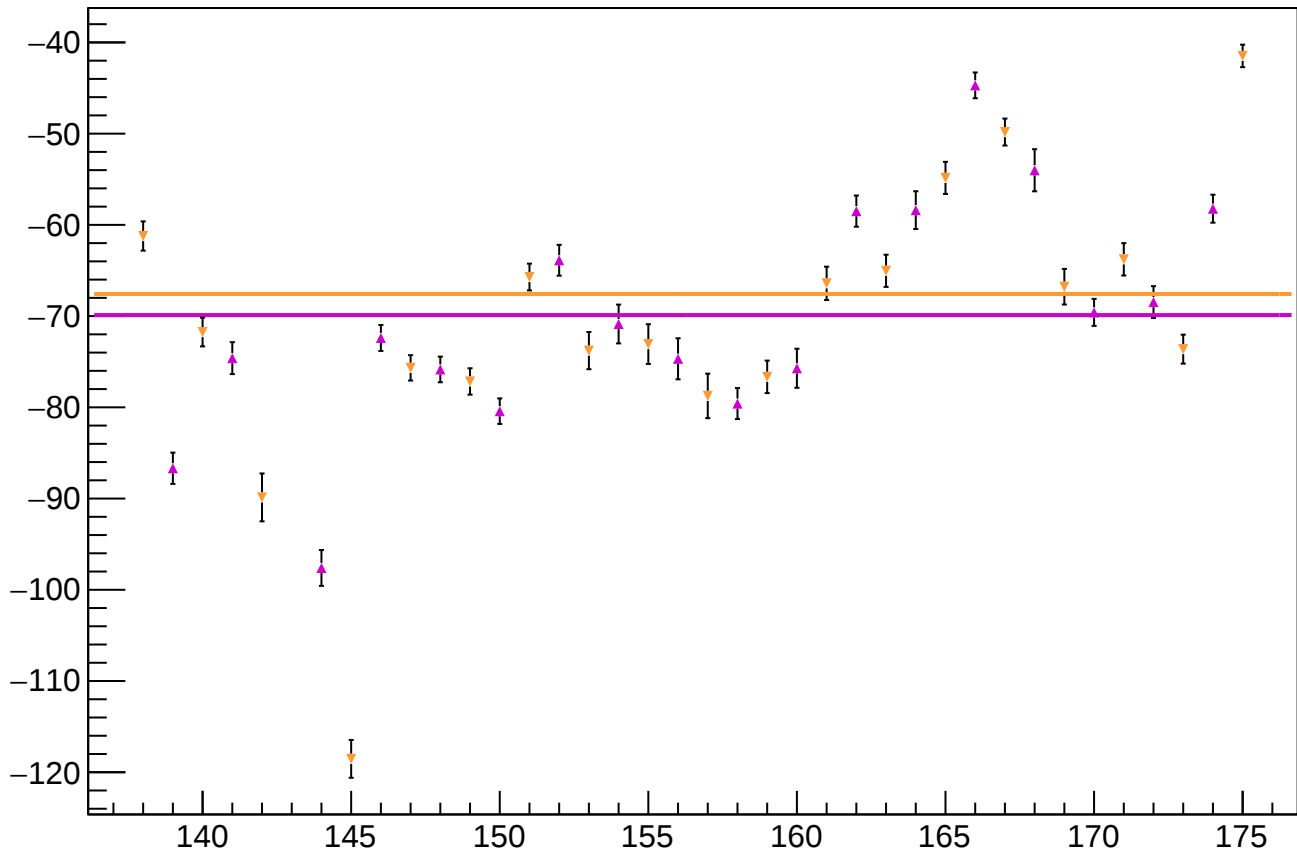
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 10.8/17

+ sign 0.008 $\pm$ 0.001 χ^2 /NDF: 59.2/36

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10531.0/73

- sign 0.008 $\pm$ 0.001 χ^2 /NDF: 10471.8/36

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -67.572+/-0.389 χ^2/NDF :1505.9/18

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

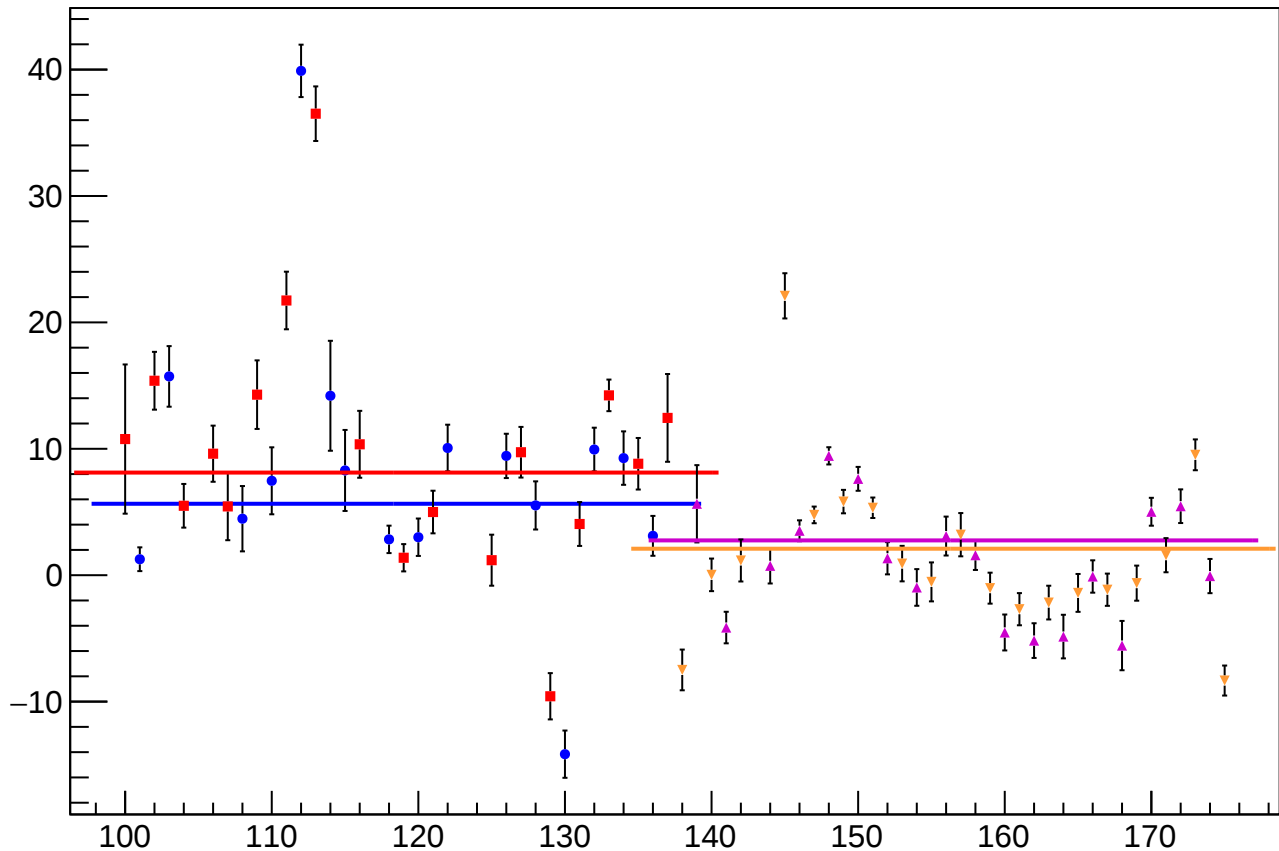
Left In: -69.887+/-0.400 χ^2/NDF :936.5/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -68.698+/-0.279 χ^2/NDF : 2459.5/36

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 2.095 ± 0.274 χ^2/NDF : 377.1/18

Right Out: 8.119 ± 0.453 χ^2/NDF : 407.9/17

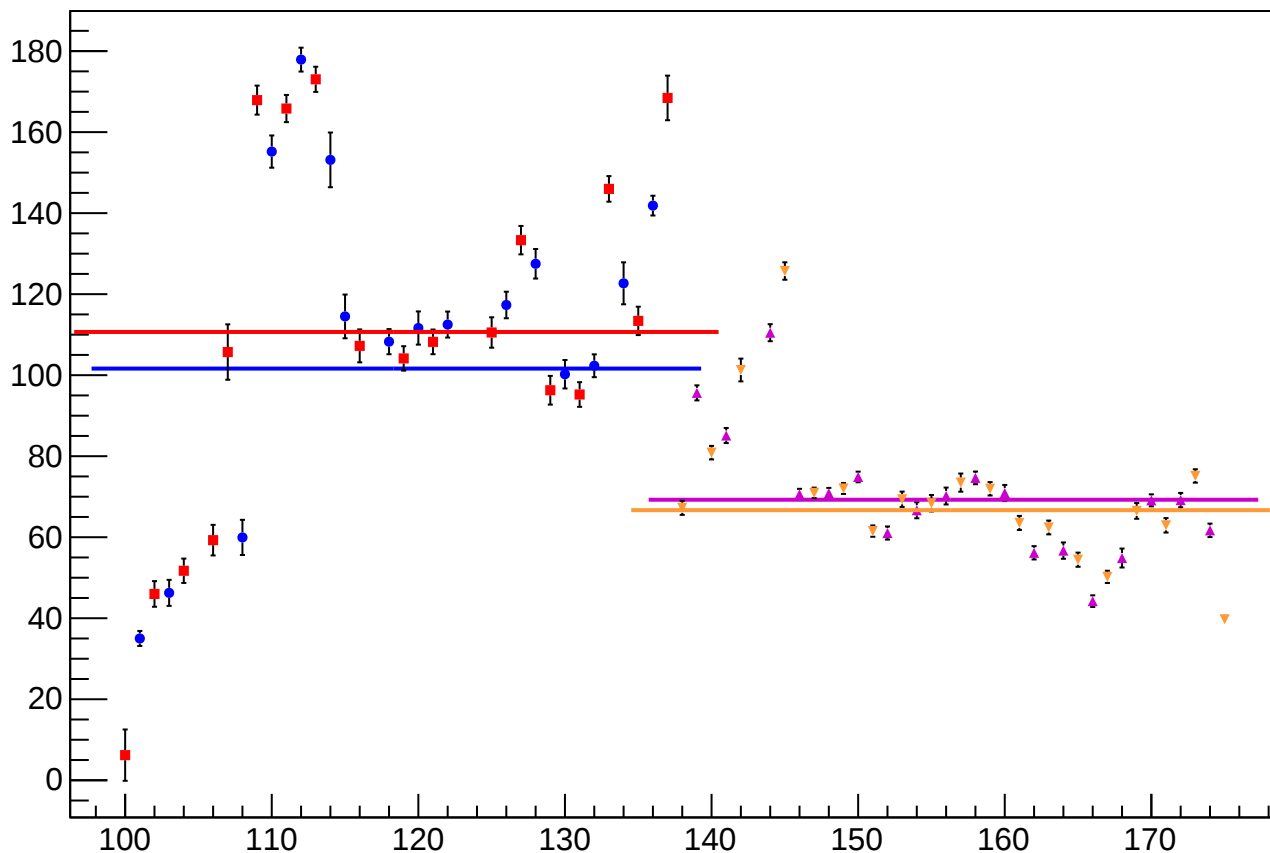
Left In: 2.753 ± 0.284 χ^2/NDF : 280.9/17

+ sign 3.127 ± 0.231 χ^2/NDF : 887.7/34

All: 3.675 ± 0.167 χ^2/NDF : 1689.1/70

- sign 4.268 ± 0.240 χ^2/NDF : 789.7/35

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 66.677 $\pm$ 0.383 χ^2 /NDF:1722.9/18

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

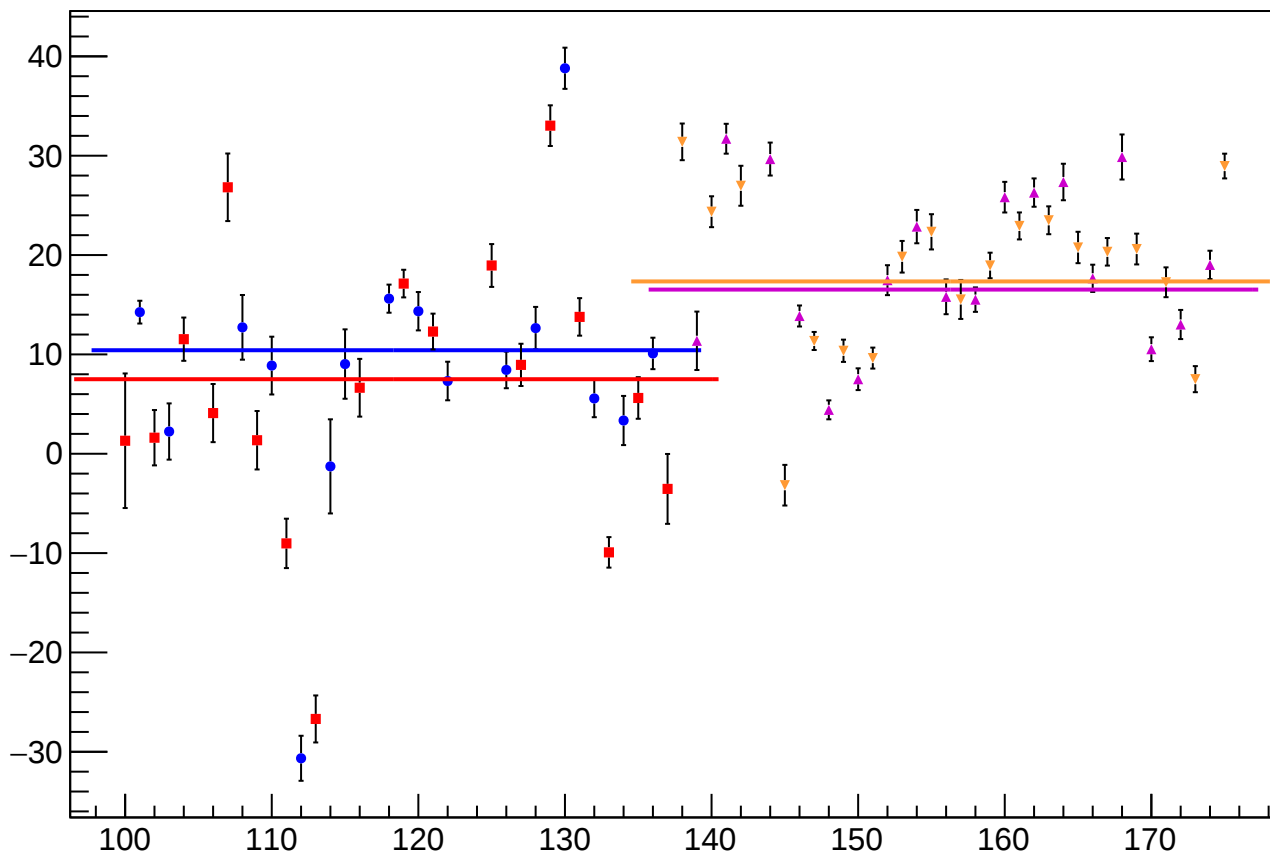
Left In: 69.253 $\pm$ 0.394 χ^2 /NDF:1184.0/17

+ sign 73.044 $\pm$ 0.347 χ^2 /NDF: 6218.2/34

All: 74.857 $\pm$ 0.248 χ^2 /NDF: 11980.8/70

- sign 76.773 $\pm$ 0.356 χ^2 /NDF: 5706.2/35

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 17.345 ± 0.321 $\chi^2/\text{NDF}: 543.2/18$

Right Out: 7.502 ± 0.523 $\chi^2/\text{NDF}: 689.4/17$

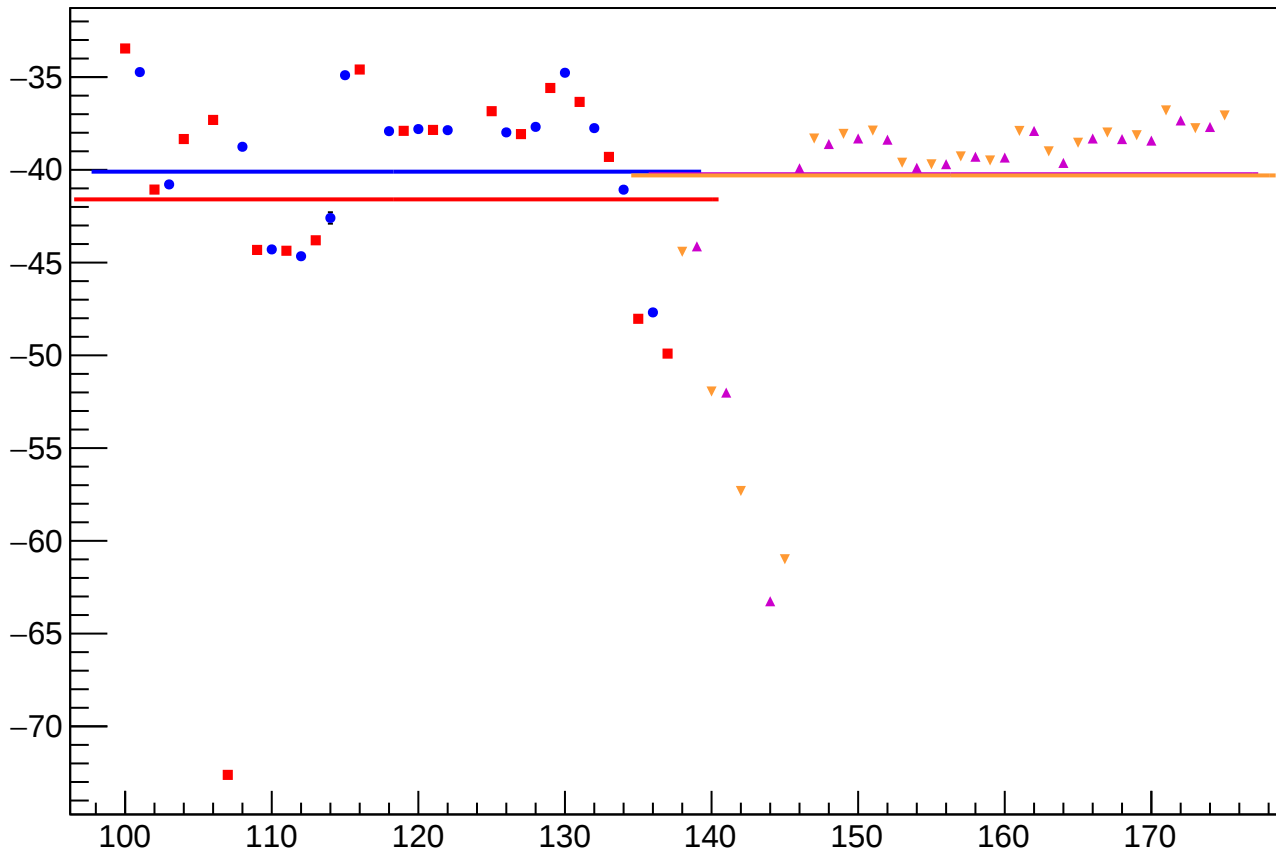
Left In: 16.524 ± 0.331 $\chi^2/\text{NDF}: 605.9/17$

+ sign 15.312 ± 0.269 $\chi^2/\text{NDF}: 1259.9/34$

All: 14.654 ± 0.194 $\chi^2/\text{NDF}: 2779.9/70$

- sign 13.944 ± 0.280 $\chi^2/\text{NDF}: 1507.6/35$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -40.301 ± 0.015 χ^2/NDF : 127384.8/18

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

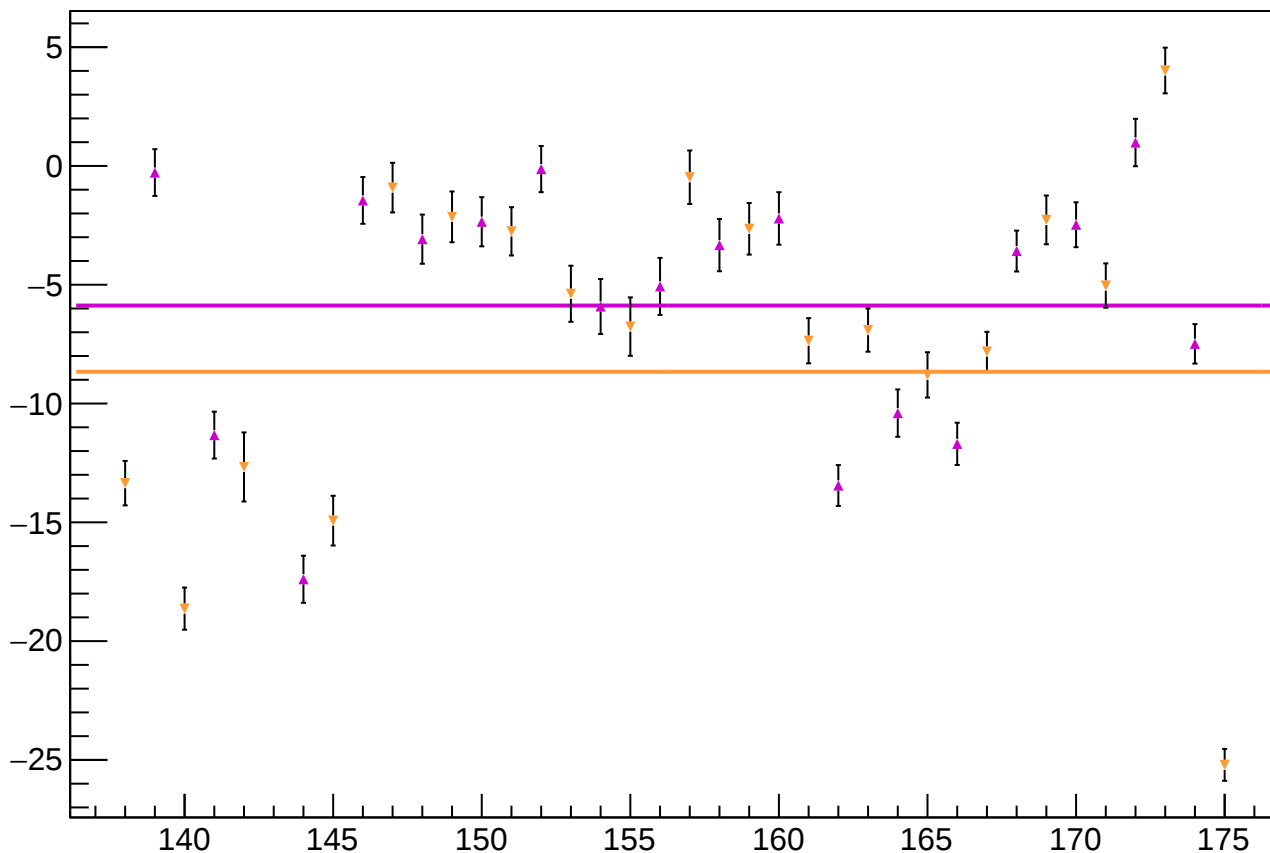
Left In: -40.236 ± 0.015 χ^2/NDF : 101472.3/17

+ sign -40.255 ± 0.014 χ^2/NDF : 152497.7/34

All: -40.397 ± 0.010 χ^2/NDF : 317615.0/70

- sign -40.542 ± 0.014 χ^2/NDF : 164892.5/35

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -8.664 $\pm$ 0.224 χ^2/NDF :1257.3/18

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

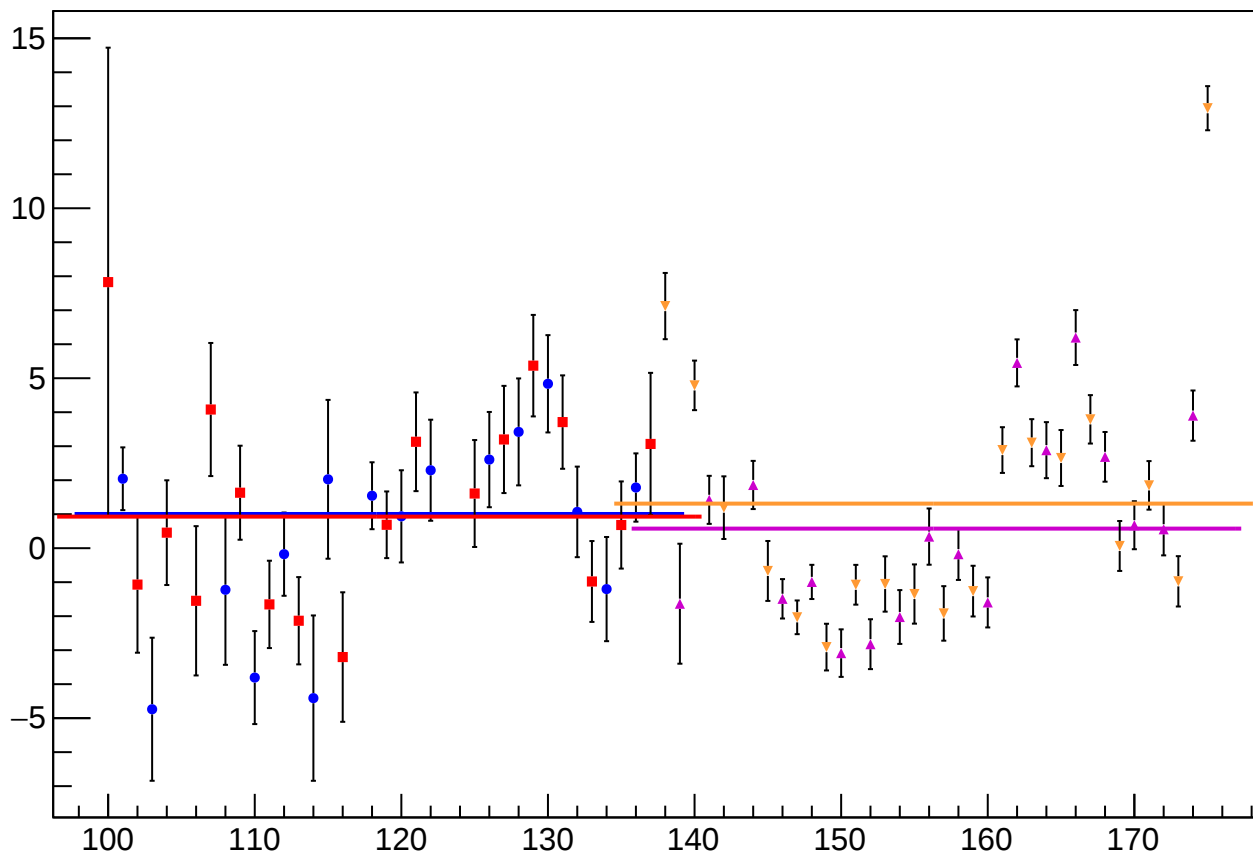
Left In: -5.877 $\pm$ 0.231 χ^2/NDF :500.8/17

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

All: -7.313 $\pm$ 0.161 χ^2/NDF : 1832.8/36

- 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 $\pm$ 0.342 χ^2/NDF : 42.7/15

Left Out: 1.311 $\pm$ 0.166 χ^2/NDF : 570.4/18

Right Out: 0.929 $\pm$ 0.353 χ^2/NDF : 41.9/17

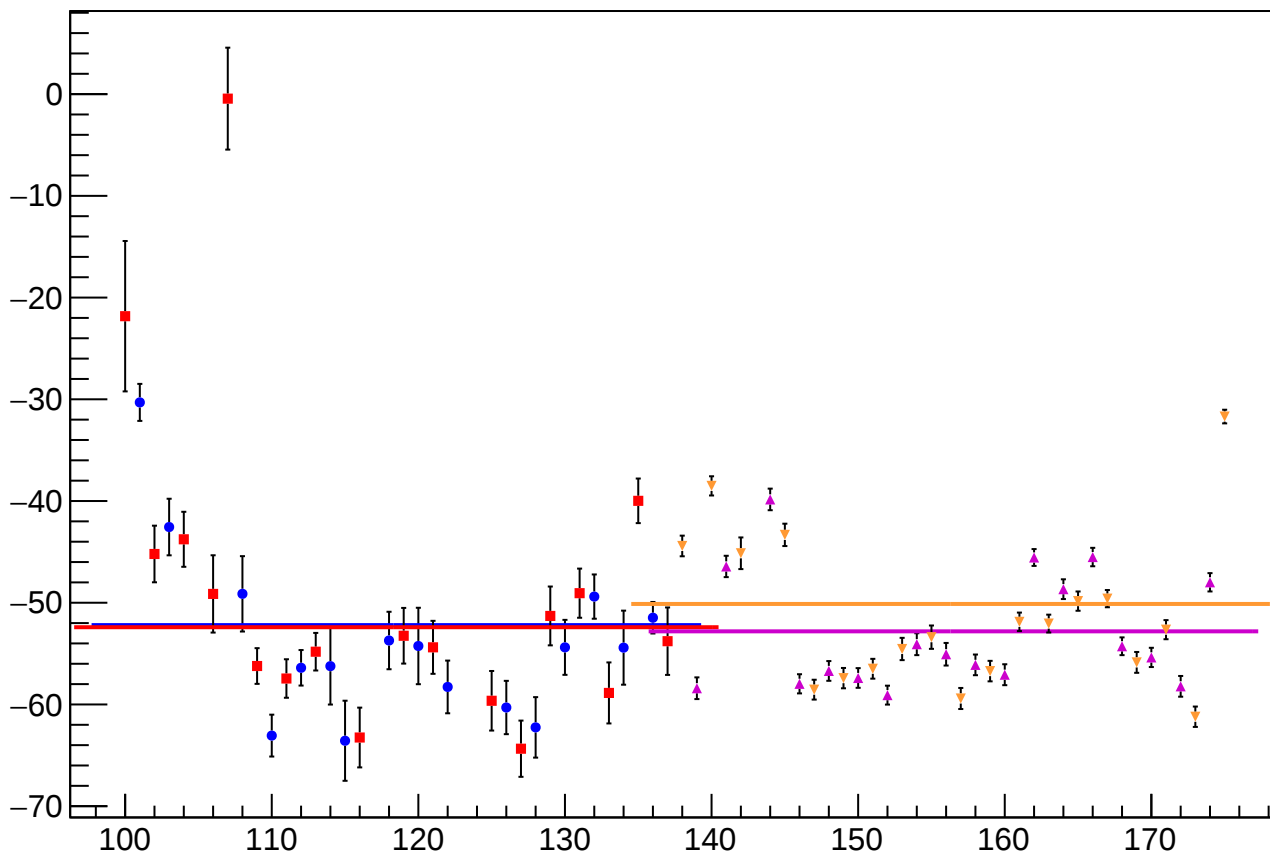
Left In: 0.576 $\pm$ 0.171 χ^2/NDF : 232.8/17

+ sign 1.253 $\pm$ 0.149 χ^2/NDF : 613.8/34

All: 0.957 $\pm$ 0.107 χ^2/NDF : 897.4/70

- sign 0.643 $\pm$ 0.154 χ^2/NDF : 275.4/35

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -50.120 ± 0.222 χ^2/NDF : 1474.7/18

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

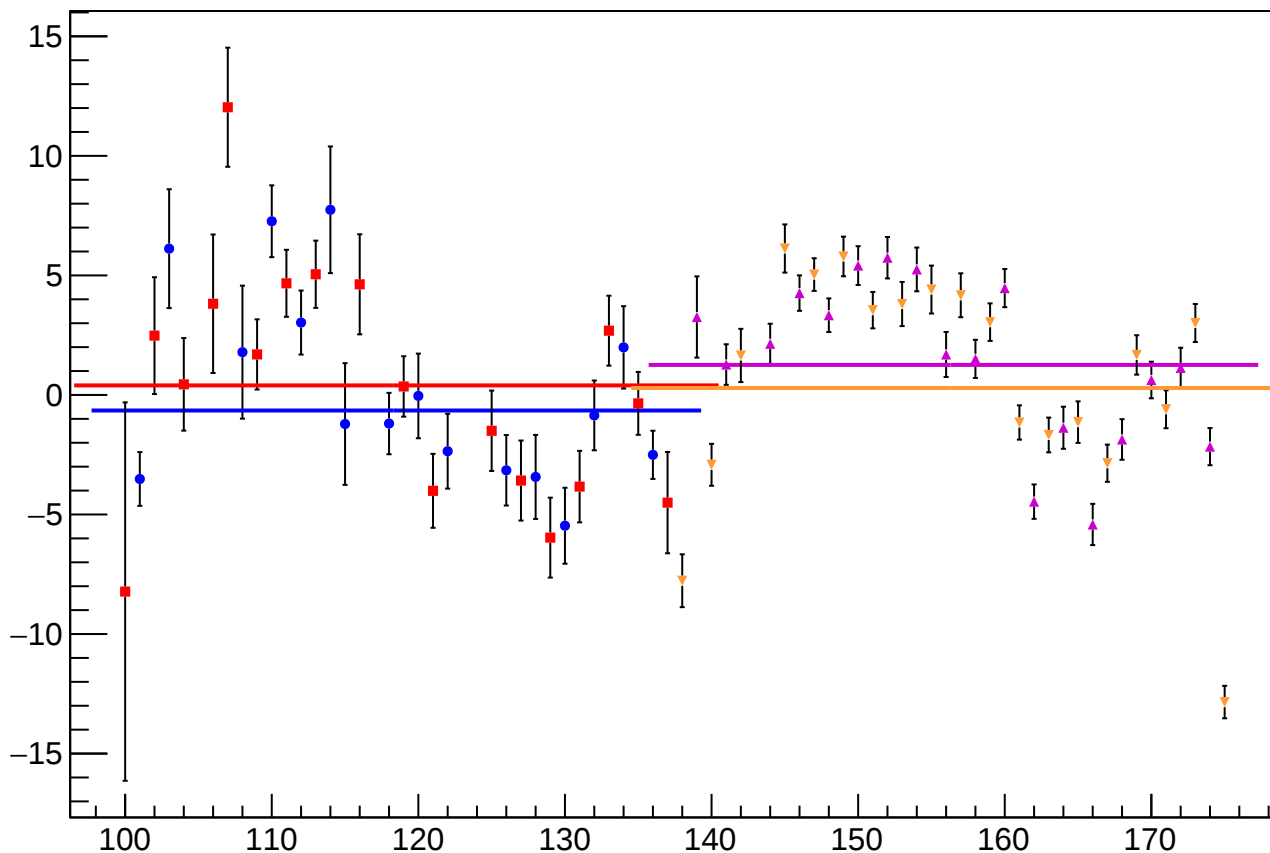
Left In: -52.812 ± 0.229 χ^2/NDF : 588.2/17

+ sign -50.360 ± 0.209 χ^2/NDF : 1715.5/34

All: -51.528 ± 0.150 χ^2/NDF : 2602.3/70

- sign -52.763 ± 0.215 χ^2/NDF : 822.5/35

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 0.291 ± 0.190 χ^2/NDF : 694.0/18

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

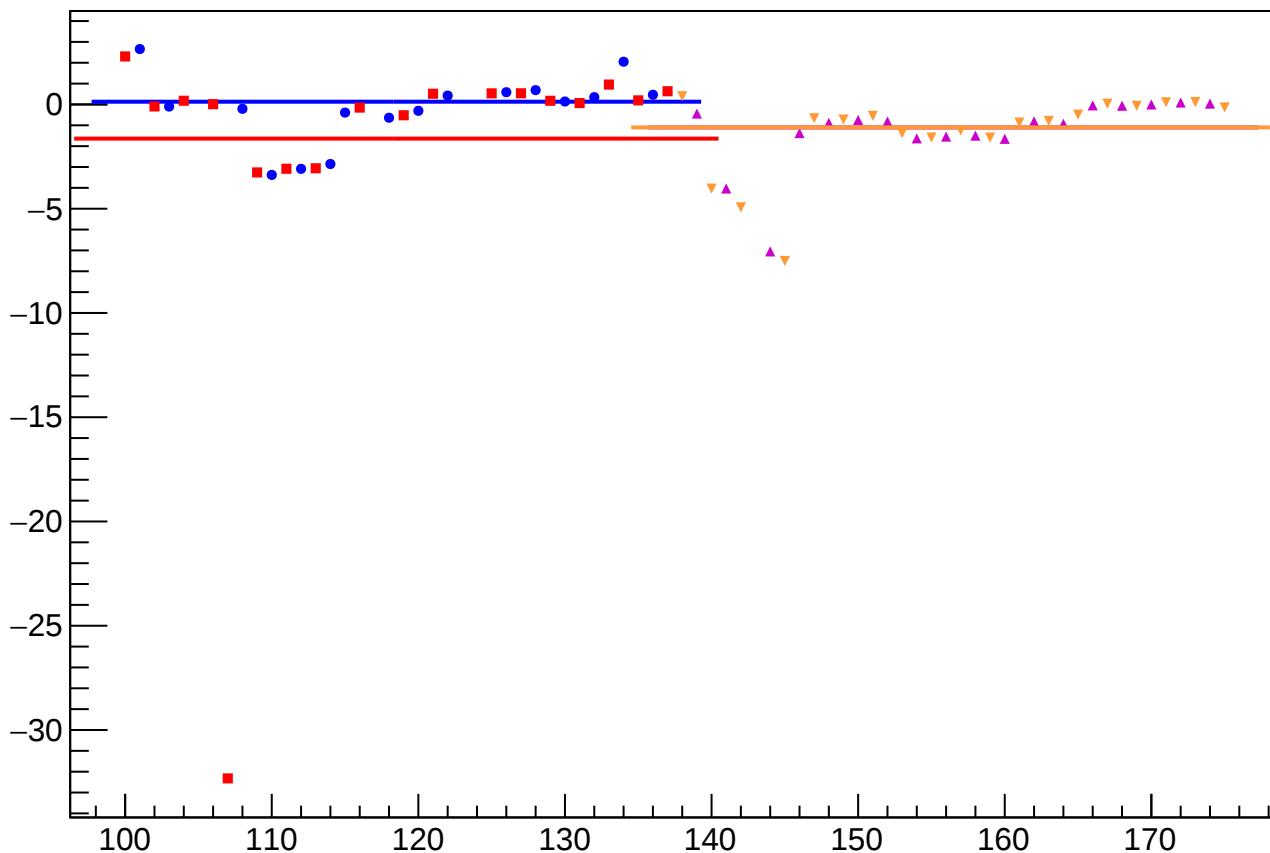
Left In: 1.256 ± 0.196 χ^2/NDF : 281.8/17

+ sign 0.109 ± 0.170 χ^2/NDF : 780.6/34

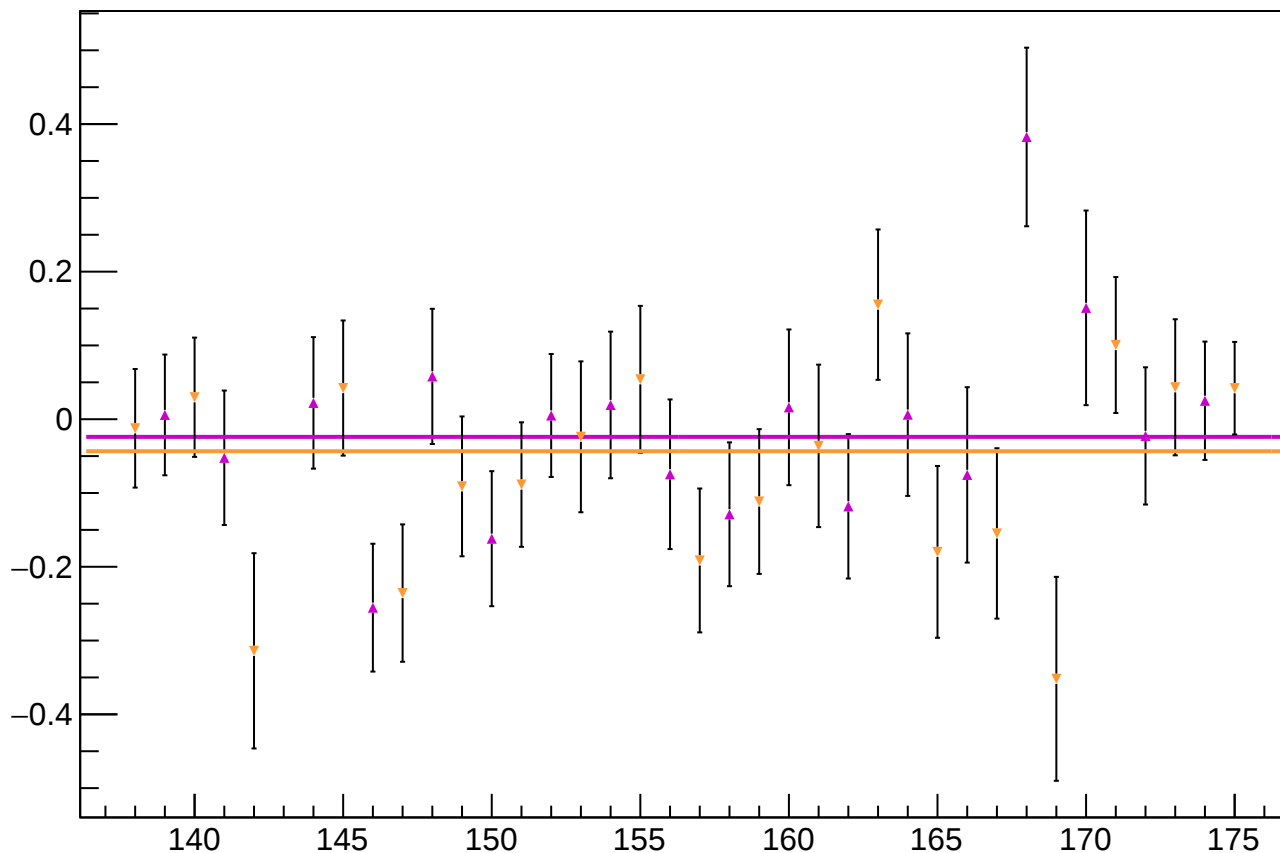
All: 0.583 ± 0.122 χ^2/NDF : 1178.1/70

- sign 1.090 ± 0.176 χ^2/NDF : 381.4/35

reg_asym_us_dd_diff_bpm12X_slope vs Slug



reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.043 $\pm$ 0.022 χ^2 /NDF: 30.9/18

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

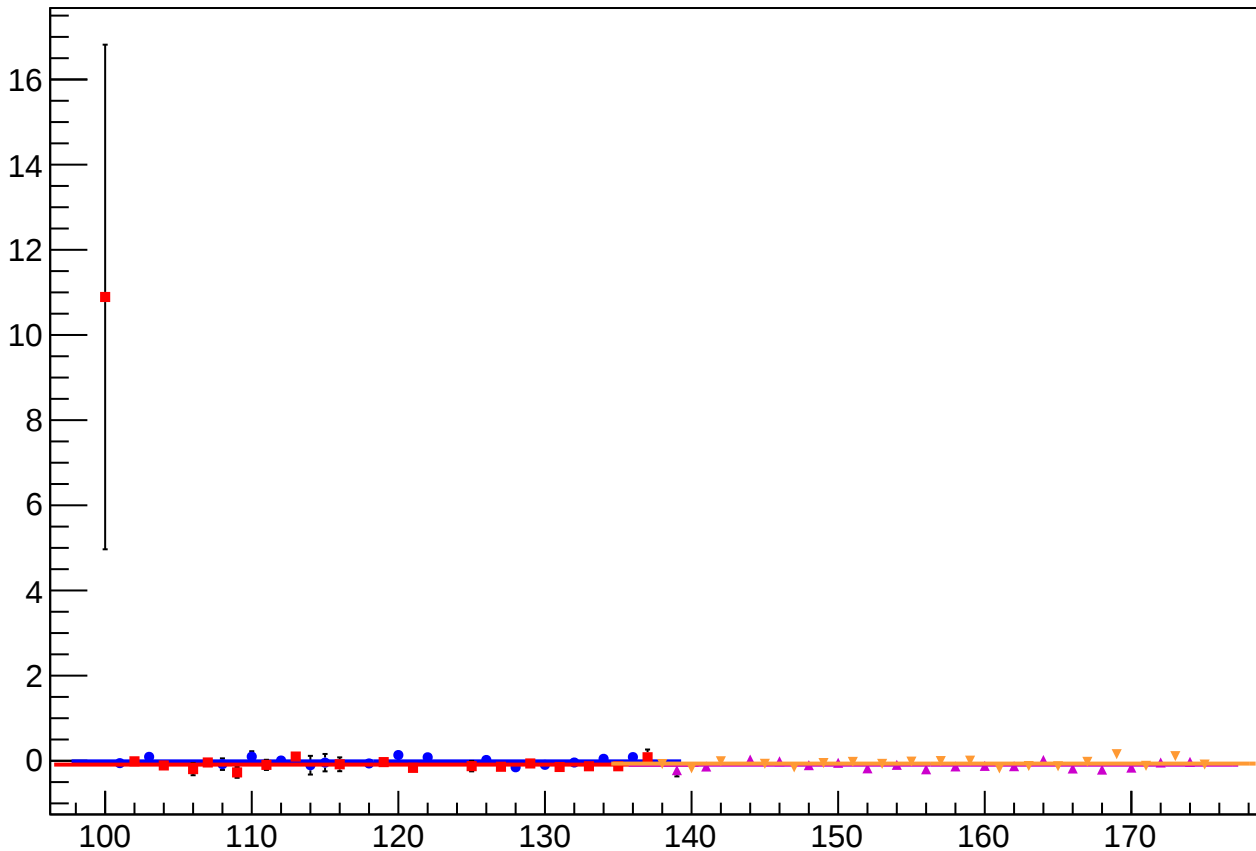
Left In: -0.024 $\pm$ 0.023 χ^2 /NDF: 27.2/17

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

All: -0.034 $\pm$ 0.016 χ^2 /NDF: 58.4/36

- 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: -0.066 ± 0.016 χ^2/NDF : 25.1/18

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

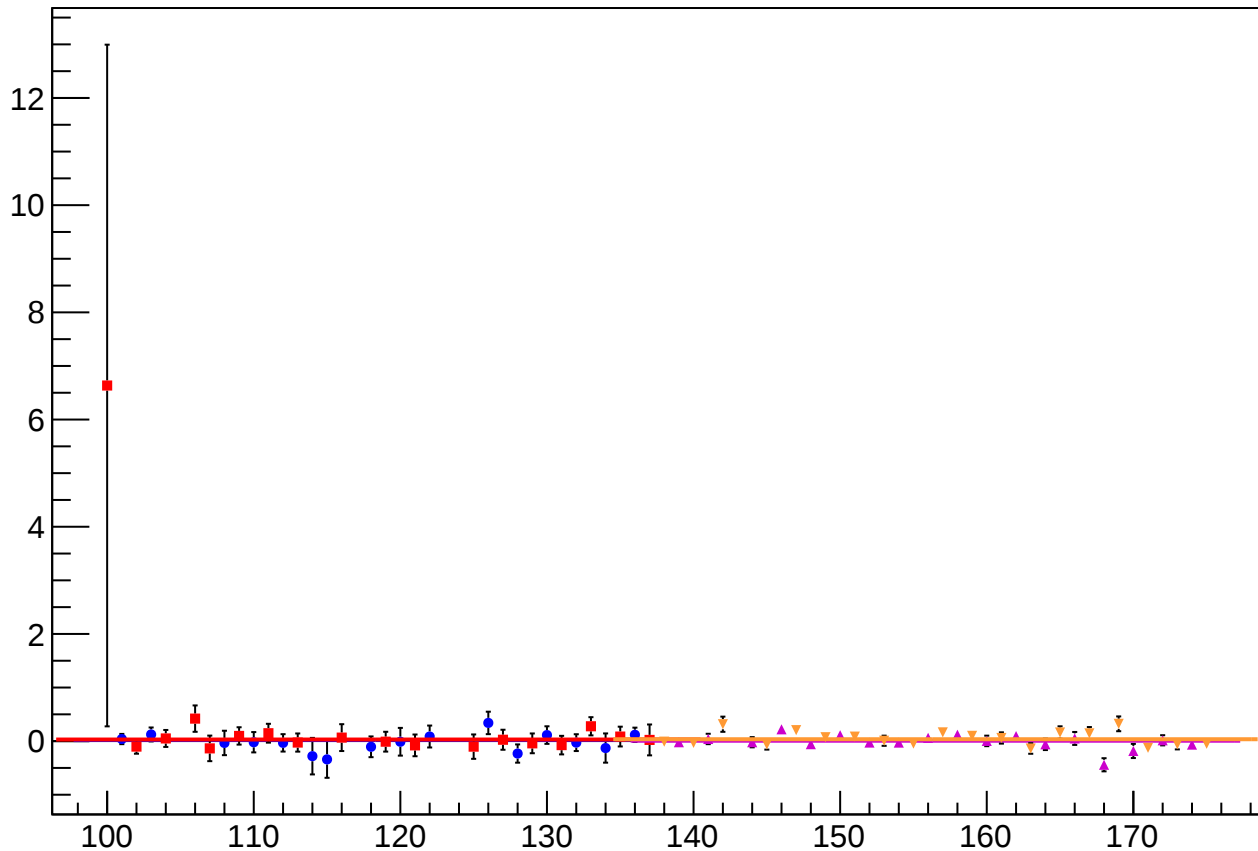
Left In: -0.092 ± 0.016 χ^2/NDF : 17.9/17

+ sign -0.049 ± 0.013 χ^2/NDF : 40.2/34

All: -0.069 ± 0.009 χ^2/NDF : 76.0/70

- sign -0.091 ± 0.014 χ^2/NDF : 30.9/35

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 ± 0.043 χ^2/NDF : 9.1/15

Left Out: 0.035 ± 0.021 χ^2/NDF : 28.8/18

Right Out: 0.030 ± 0.045 χ^2/NDF : 9.2/17

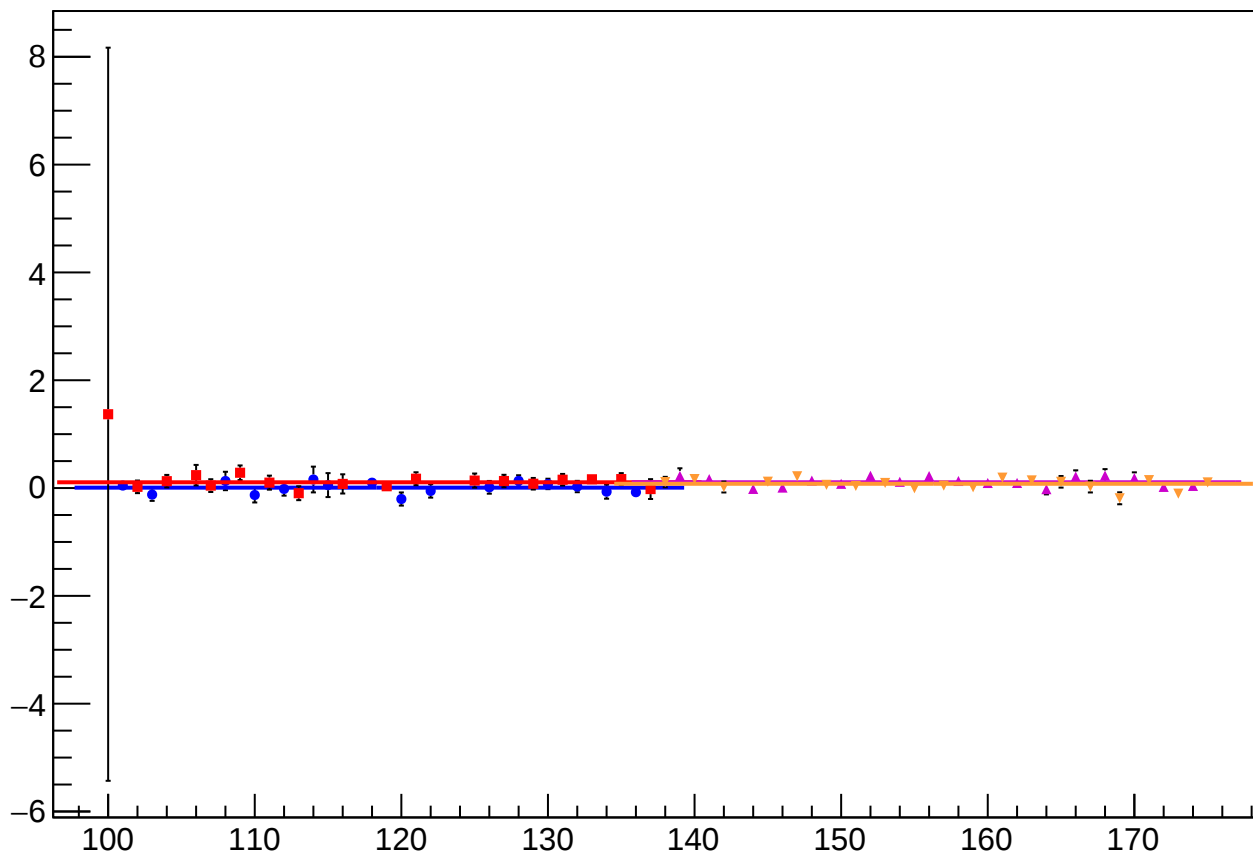
Left In: 0.008 ± 0.022 χ^2/NDF : 28.7/17

+ sign 0.032 ± 0.019 χ^2/NDF : 38.0/34

All: 0.023 ± 0.014 χ^2/NDF : 76.6/70

- sign 0.012 ± 0.020 χ^2/NDF : 38.1/35

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.079 $\pm$ 0.018 χ^2 /NDF: 25.0/18

Right Out: 0.107 $\pm$ 0.029 χ^2 /NDF: 8.2/17

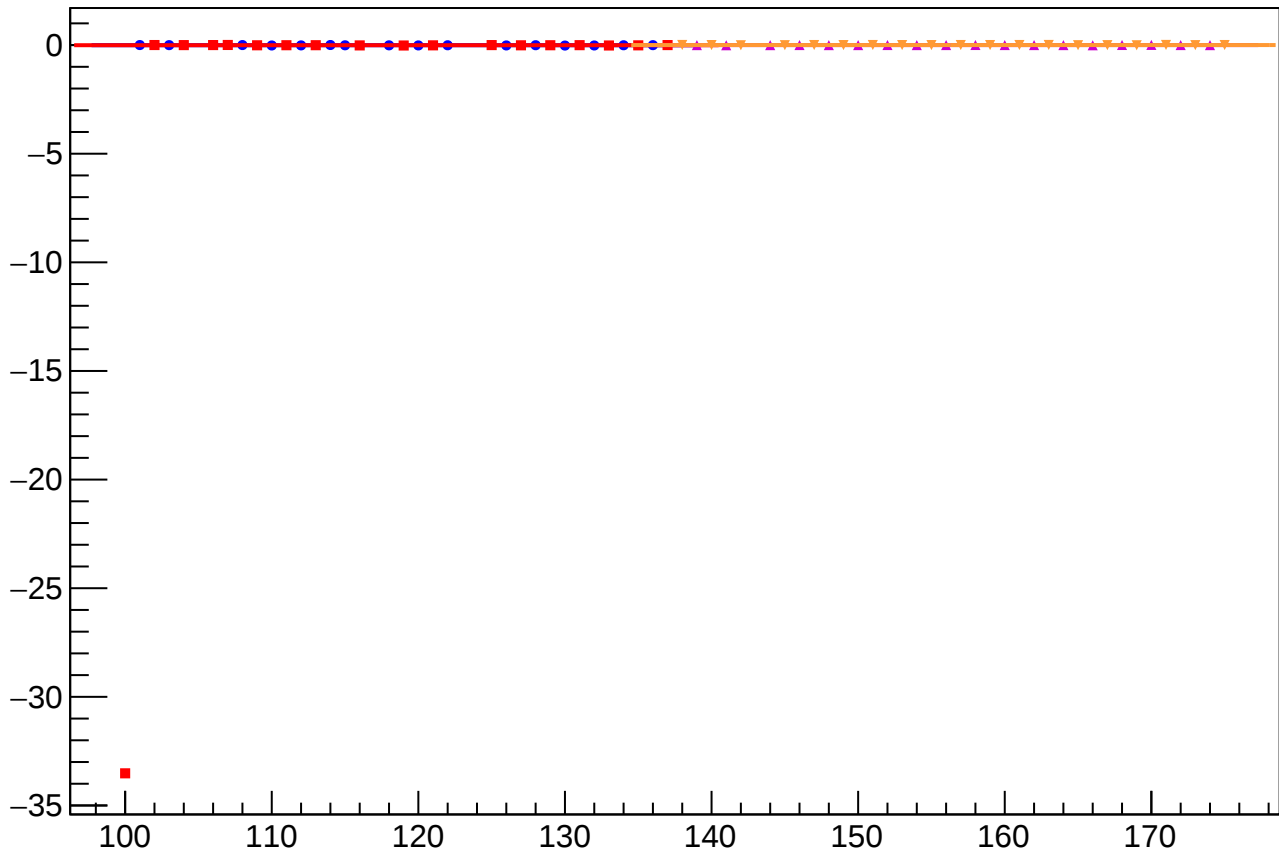
Left In: 0.107 $\pm$ 0.019 χ^2 /NDF: 17.7/17

+ sign 0.057 $\pm$ 0.015 χ^2 /NDF: 41.1/34

All: 0.081 $\pm$ 0.011 χ^2 /NDF: 72.2/70

- sign 0.107 $\pm$ 0.016 χ^2 /NDF: 25.8/35

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 : 18.6/18

Right Out: -0.006 +/- 0.001 χ^2/NDF : 26508.7/17

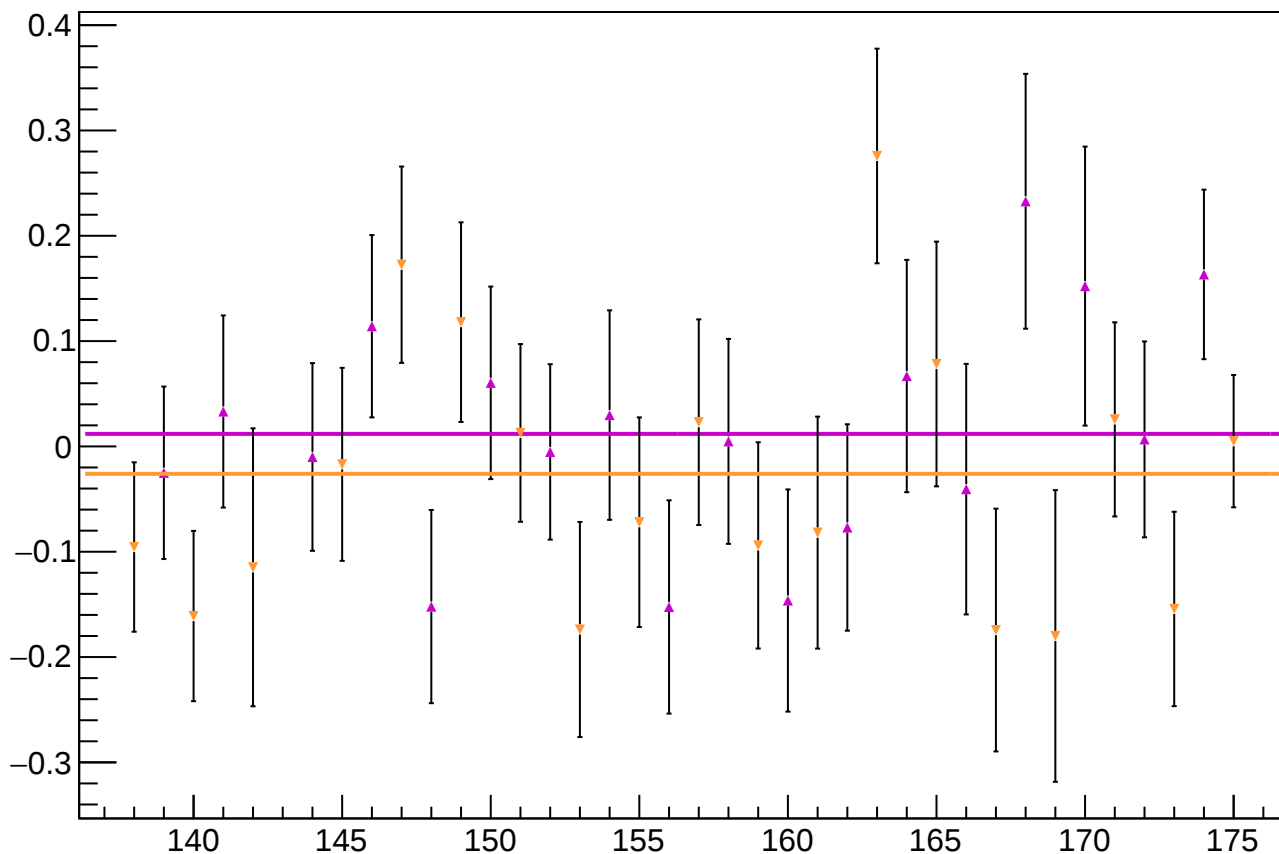
Left In: 0.000 +/- 0.001 χ^2/NDF : 15.5/17

+ sign -0.001 +/- 0.001 χ^2/NDF : 54.8/34

All: -0.001 +/- 0.001 χ^2/NDF : 26592.7/70

- sign -0.001 +/- 0.001 χ^2/NDF : 26537.6/35

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.026 $\pm$ 0.022 χ^2 /NDF: 29.3/18

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

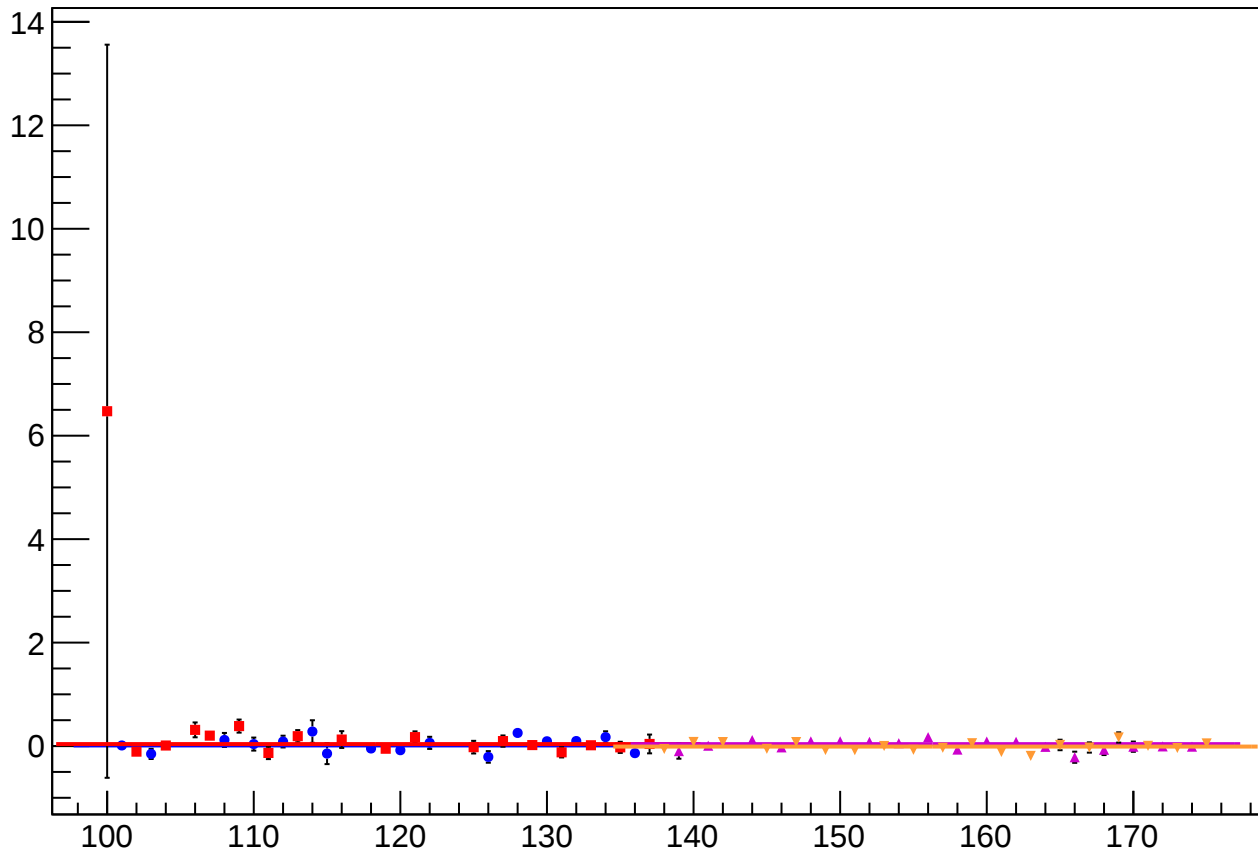
Left In: 0.012 $\pm$ 0.023 χ^2 /NDF: 19.4/17

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

All: -0.008 $\pm$ 0.016 χ^2 /NDF: 50.2/36

- 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 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: -0.010 $\pm$ 0.016 χ^2 /NDF: 24.2/18

Right Out: 0.038 $\pm$ 0.025 χ^2 /NDF: 28.4/17

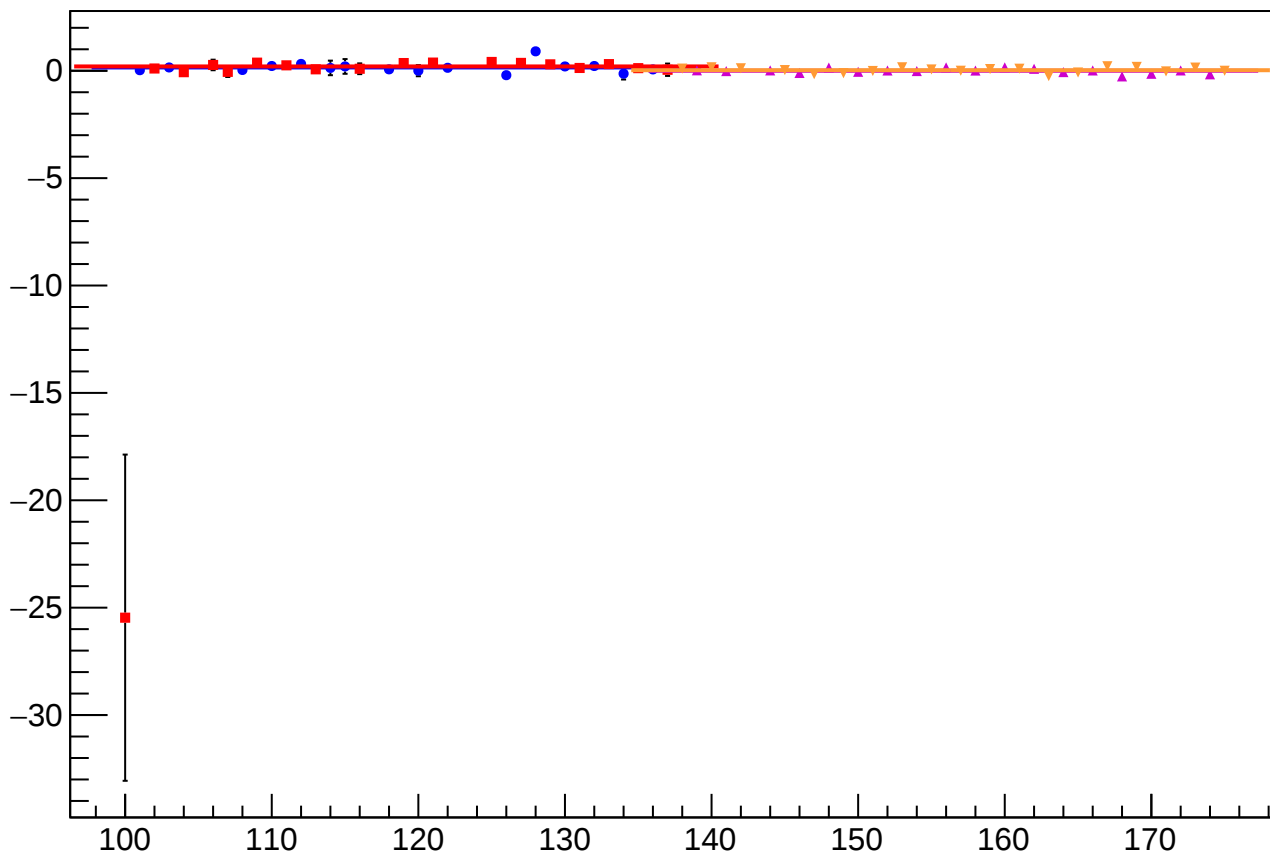
Left In: 0.037 $\pm$ 0.016 χ^2 /NDF: 21.9/17

+ sign -0.003 $\pm$ 0.013 χ^2 /NDF: 49.8/34

All: 0.016 $\pm$ 0.009 χ^2 /NDF: 104.8/70

- sign 0.037 $\pm$ 0.014 χ^2 /NDF: 50.4/35

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.025 $\pm$ 0.021 χ^2 /NDF: 28.4/18

Right Out: 0.201 $\pm$ 0.045 χ^2 /NDF: 22.6/17

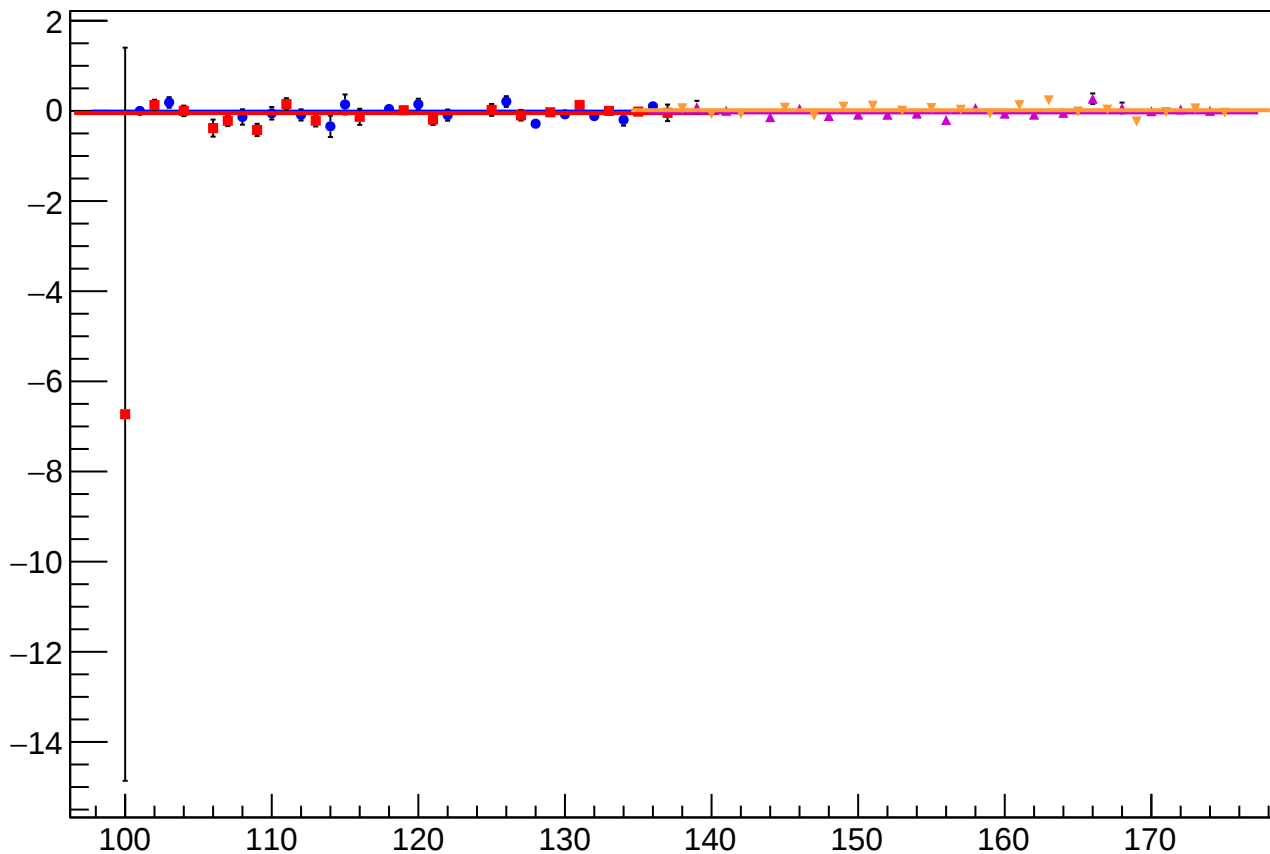
Left In: -0.001 $\pm$ 0.022 χ^2 /NDF: 21.0/17

+ sign 0.051 $\pm$ 0.019 χ^2 /NDF: 63.5/34

All: 0.045 $\pm$ 0.014 χ^2 /NDF: 123.5/70

- sign 0.039 $\pm$ 0.020 χ^2 /NDF: 59.7/35

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.016 ± 0.018 χ^2/NDF : 27.1/18

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

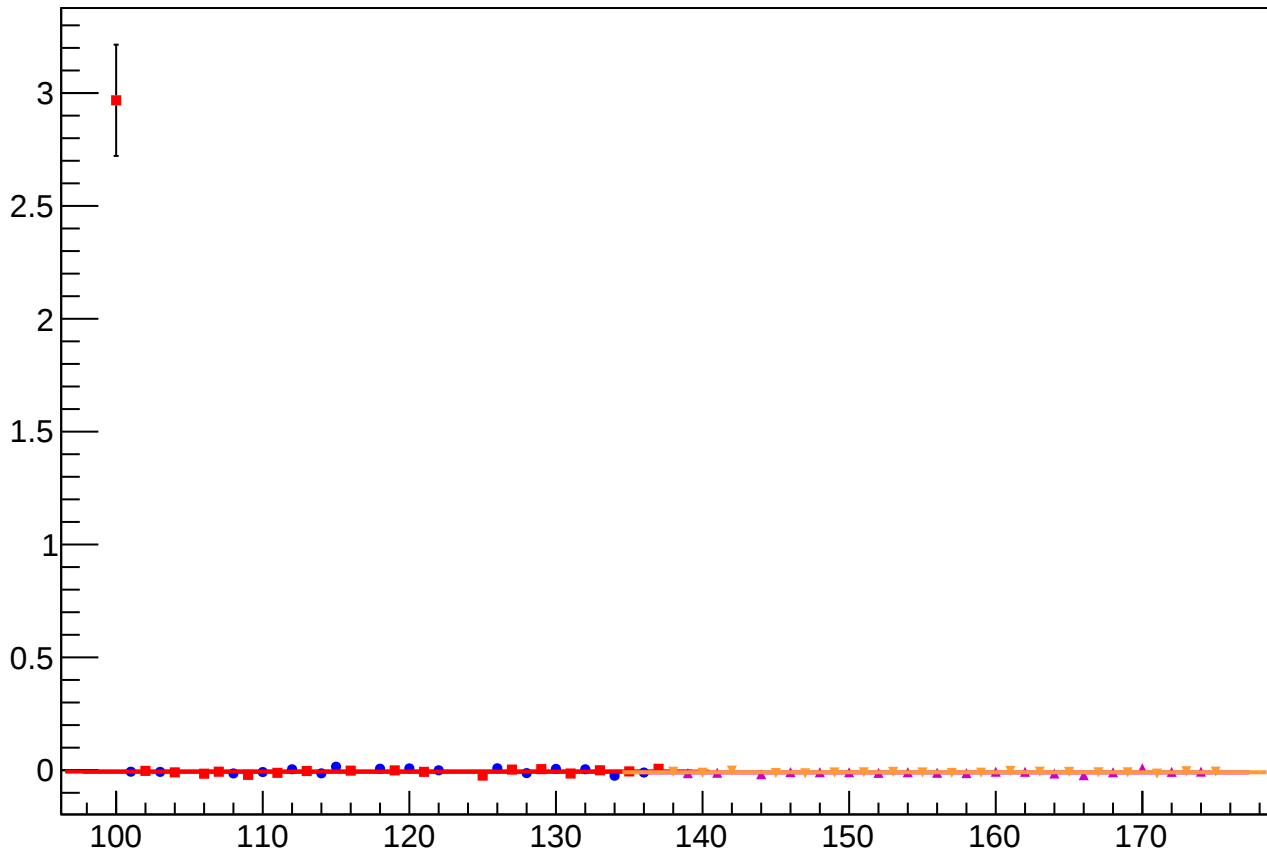
Left In: -0.034 ± 0.019 χ^2/NDF : 22.5/17

+ sign 0.006 ± 0.015 χ^2/NDF : 52.3/34

All: -0.015 ± 0.011 χ^2/NDF : 105.0/70

- sign -0.038 ± 0.016 χ^2/NDF : 48.6/35

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 : 15.1/18

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

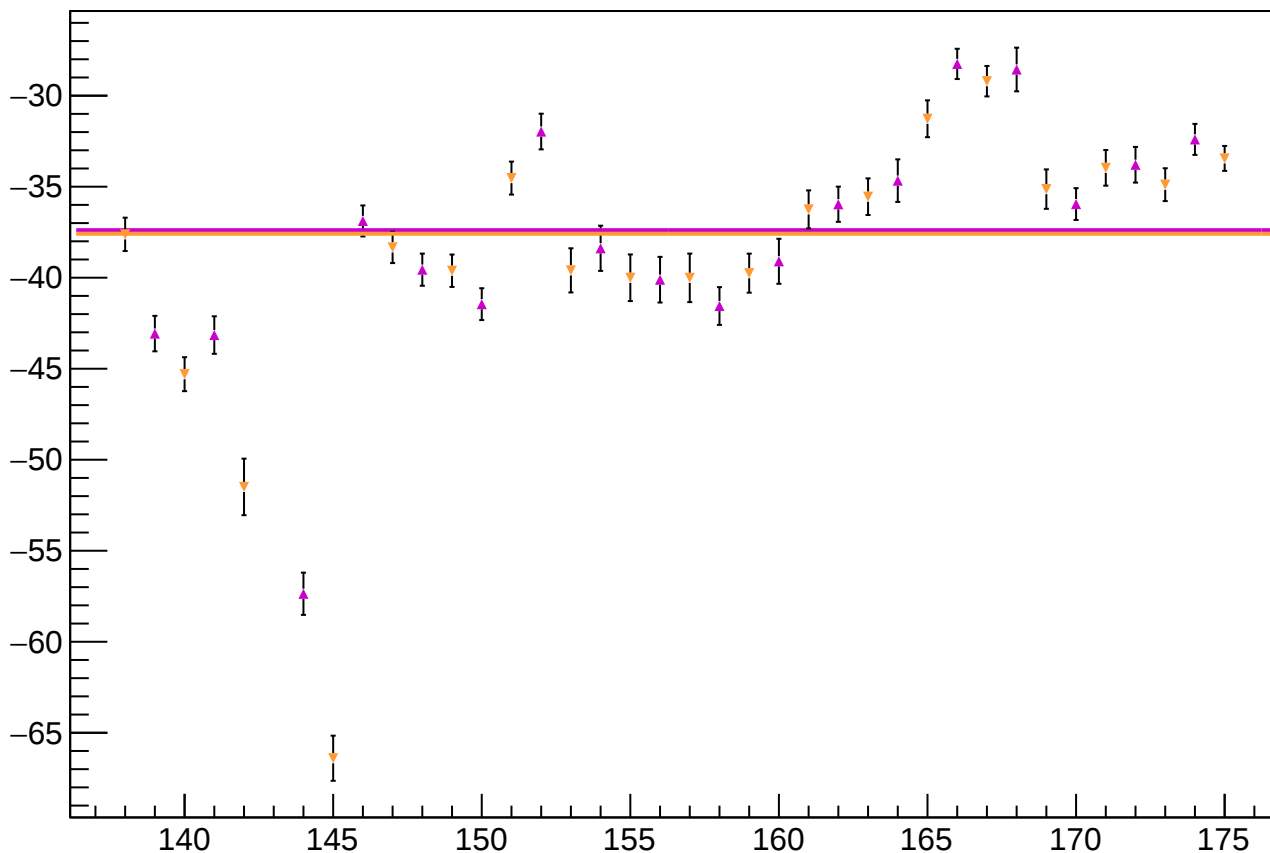
Left In: -0.010 ± 0.001 χ^2/NDF : 30.6/17

+ sign -0.008 ± 0.001 χ^2/NDF : 45.3/34

All: -0.009 ± 0.001 χ^2/NDF : 246.7/70

- sign -0.009 ± 0.001 χ^2/NDF : 201.2/35

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -37.584 $\pm$ 0.226 χ^2/NDF : 929.2/18

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

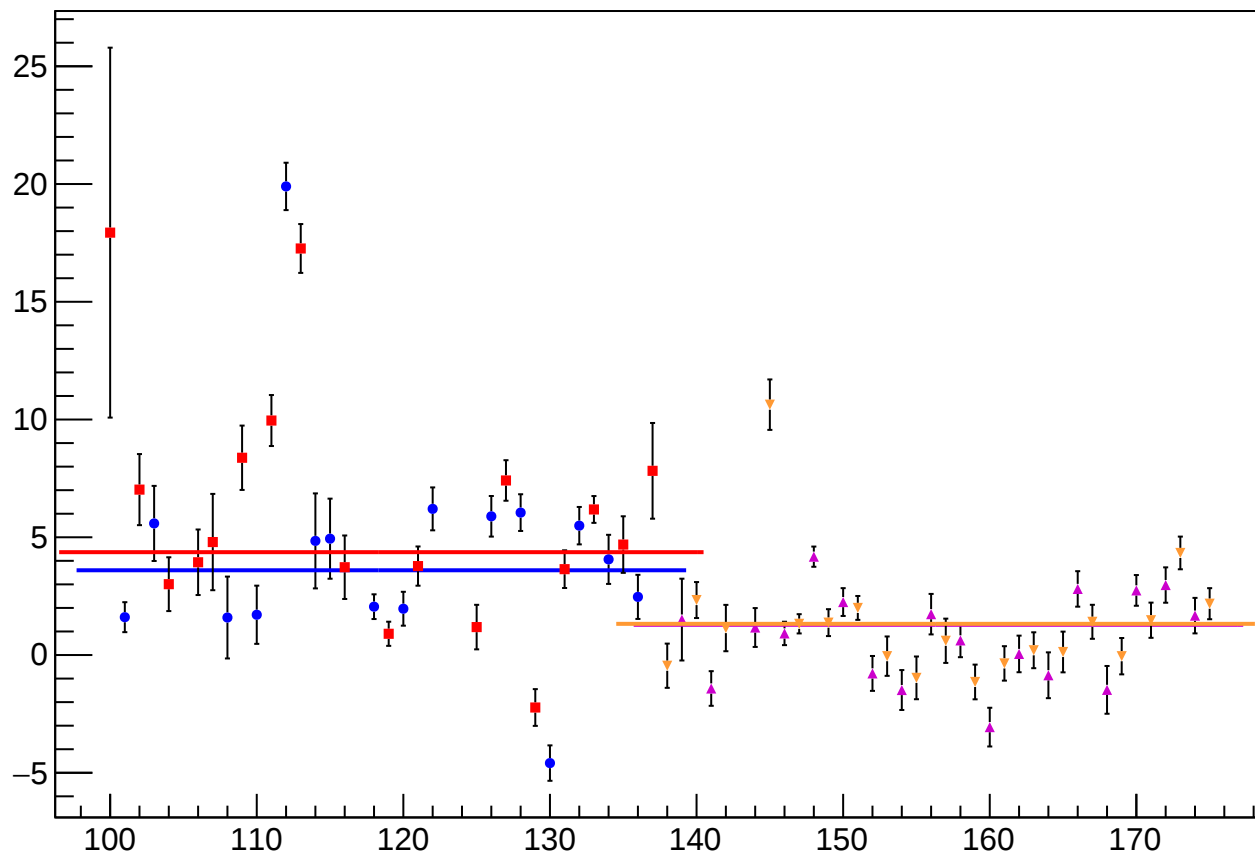
Left In: -37.389 $\pm$ 0.234 χ^2/NDF : 676.4/17

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

All: -37.490 $\pm$ 0.163 χ^2/NDF : 1605.9/36

- 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 $\chi^2/\text{NDF}: 443.4/15$

Left Out: 1.324 ± 0.162 $\chi^2/\text{NDF}: 136.6/18$

Right Out: 4.367 ± 0.225 $\chi^2/\text{NDF}: 353.1/17$

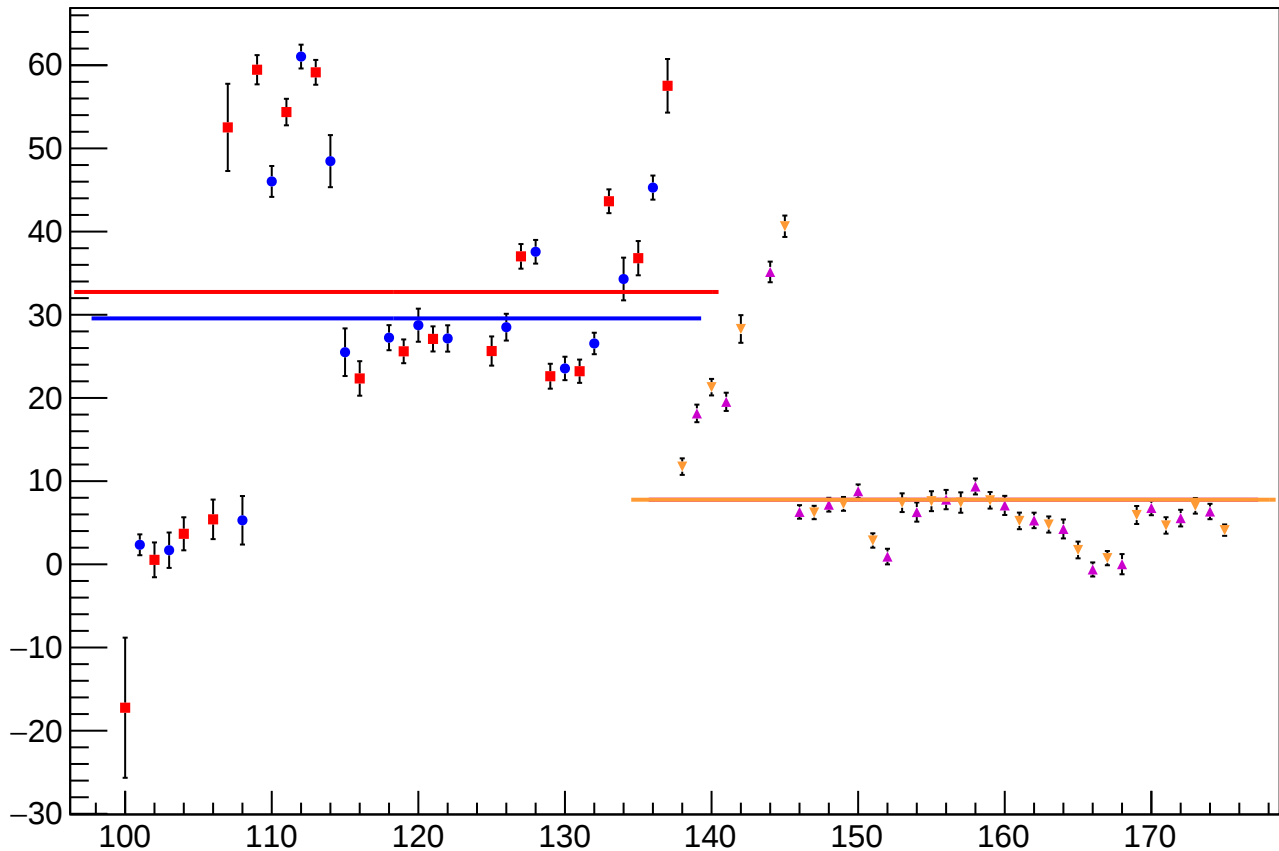
Left In: 1.283 ± 0.168 $\chi^2/\text{NDF}: 139.0/17$

+ sign 2.124 ± 0.131 $\chi^2/\text{NDF}: 649.1/34$

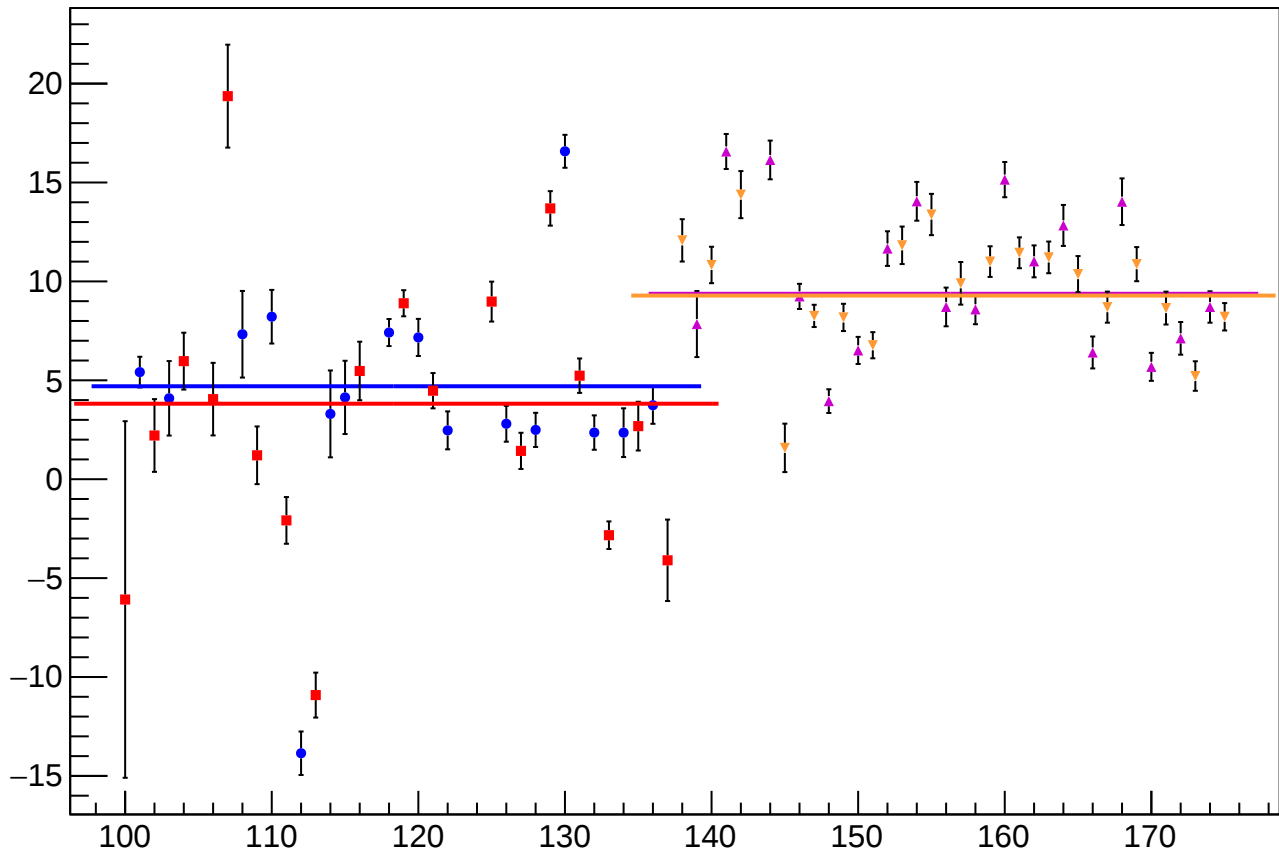
All: 2.253 ± 0.094 $\chi^2/\text{NDF}: 1263.9/70$

- sign 2.390 ± 0.135 $\chi^2/\text{NDF}: 612.8/35$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.284 ± 0.188 χ^2/NDF : 167.2/18

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

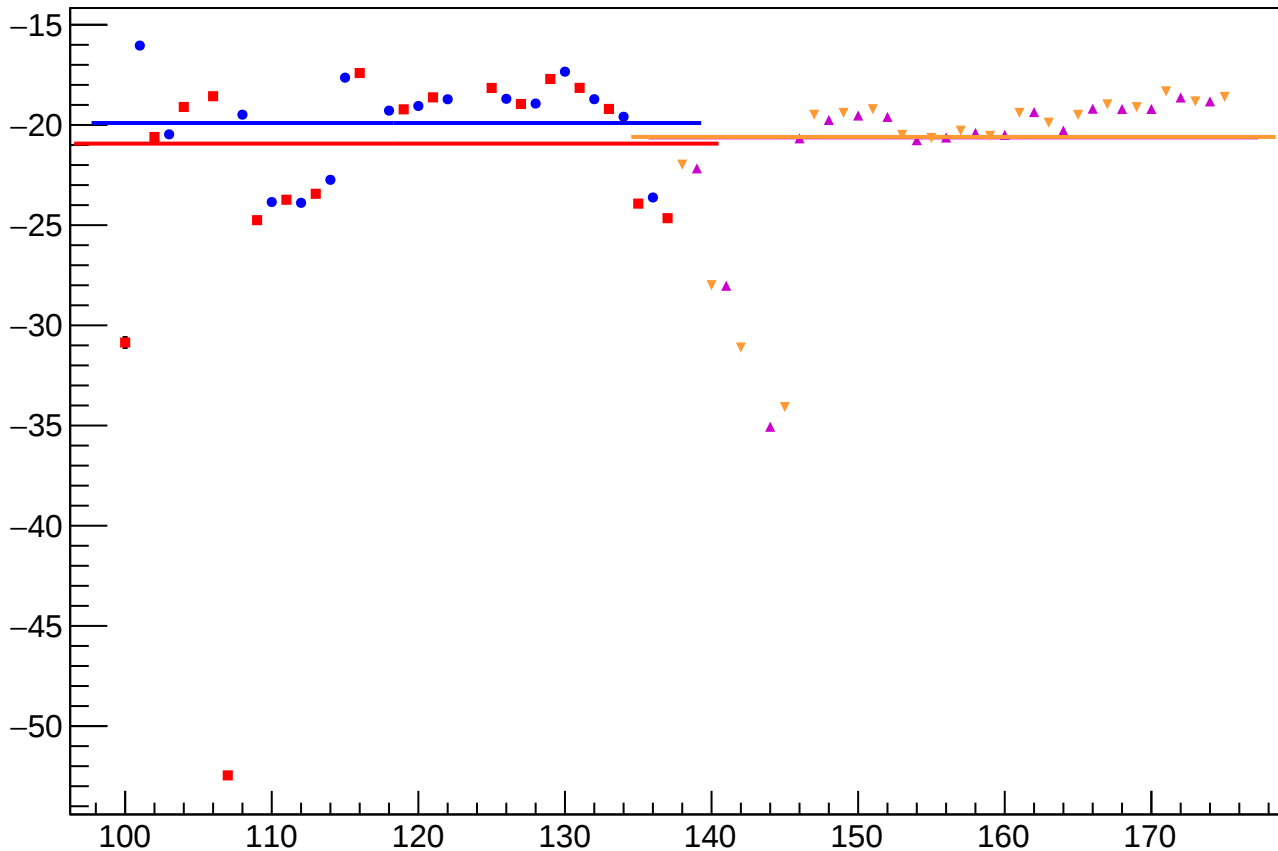
Left In: 9.374 ± 0.195 χ^2/NDF : 366.9/17

+ sign 7.659 ± 0.151 χ^2/NDF : 926.5/34

All: 7.512 ± 0.109 χ^2/NDF : 2157.3/70

- sign 7.355 ± 0.156 χ^2/NDF : 1228.8/35

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -20.598 ± 0.009 $\chi^2/\text{NDF}: 144778.4/18$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

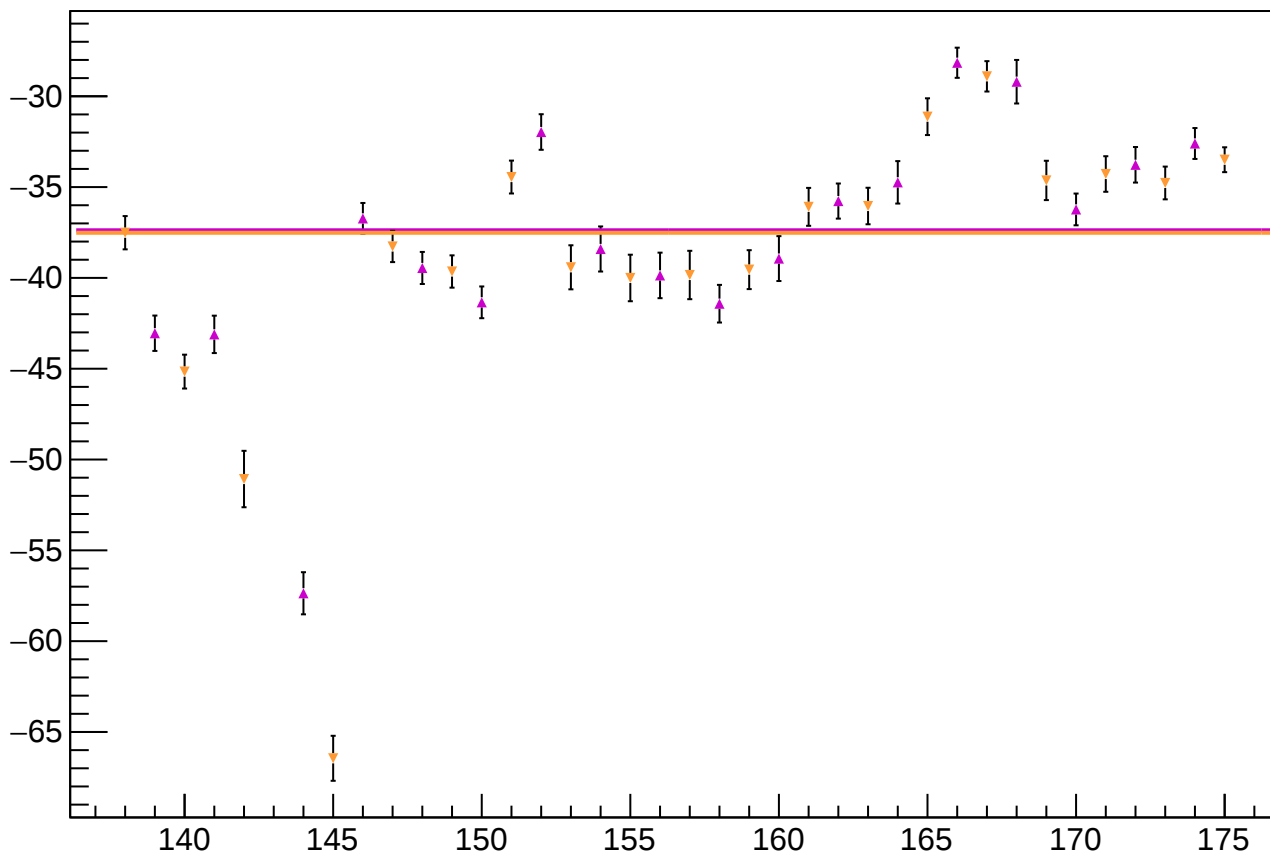
Left In: -20.620 ± 0.009 $\chi^2/\text{NDF}: 114054.2/17$

+ sign -20.427 ± 0.008 $\chi^2/\text{NDF}: 172321.8/34$

All: -20.561 ± 0.006 $\chi^2/\text{NDF}: 381279.3/70$

- sign -20.696 ± 0.008 $\chi^2/\text{NDF}: 208357.7/35$

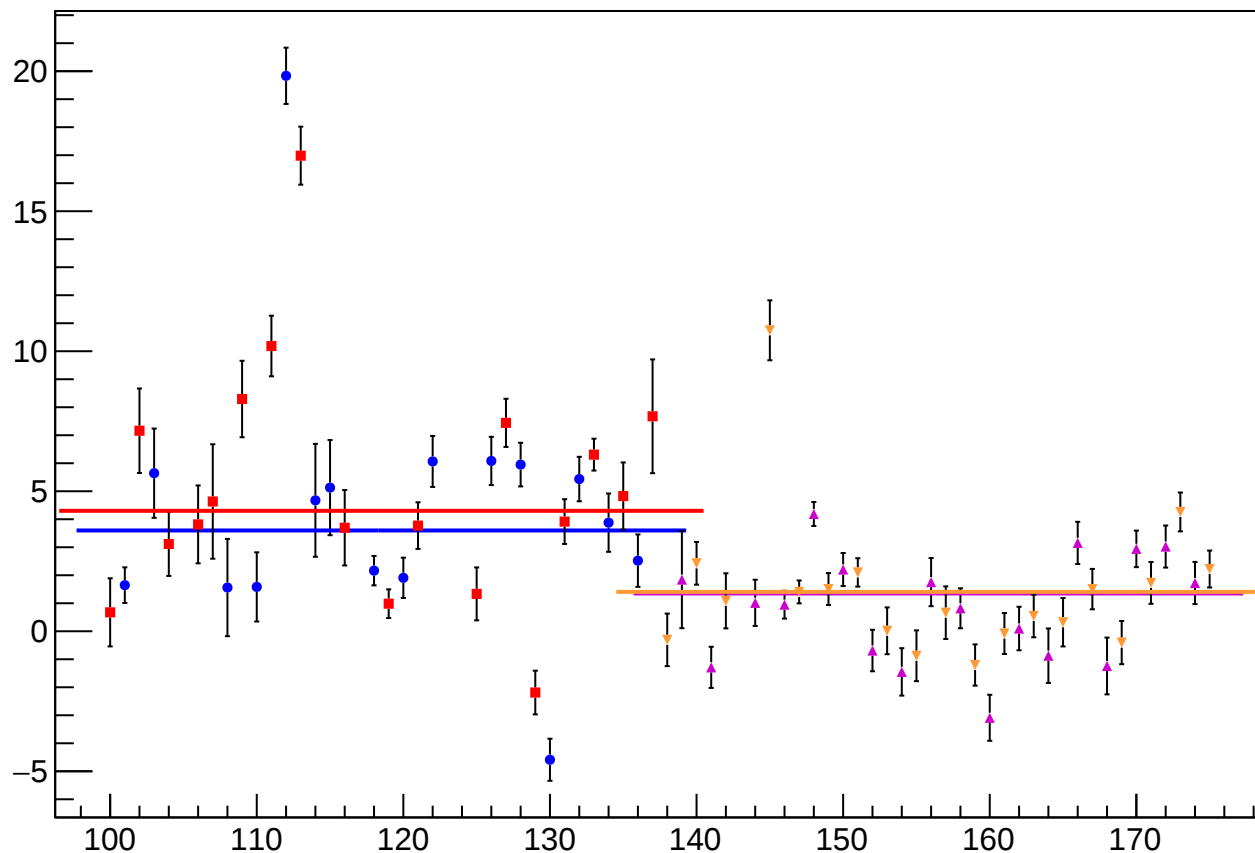
reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -37.516+/-0.226 χ^2/NDF : 931.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -37.378+/-0.234 χ^2/NDF : 665.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -37.449+/-0.163 χ^2/NDF : 1596.9/36
 - 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: 1.407 ± 0.162 χ^2/NDF : 136.7/18

Right Out: 4.301 ± 0.221 χ^2/NDF : 352.1/17

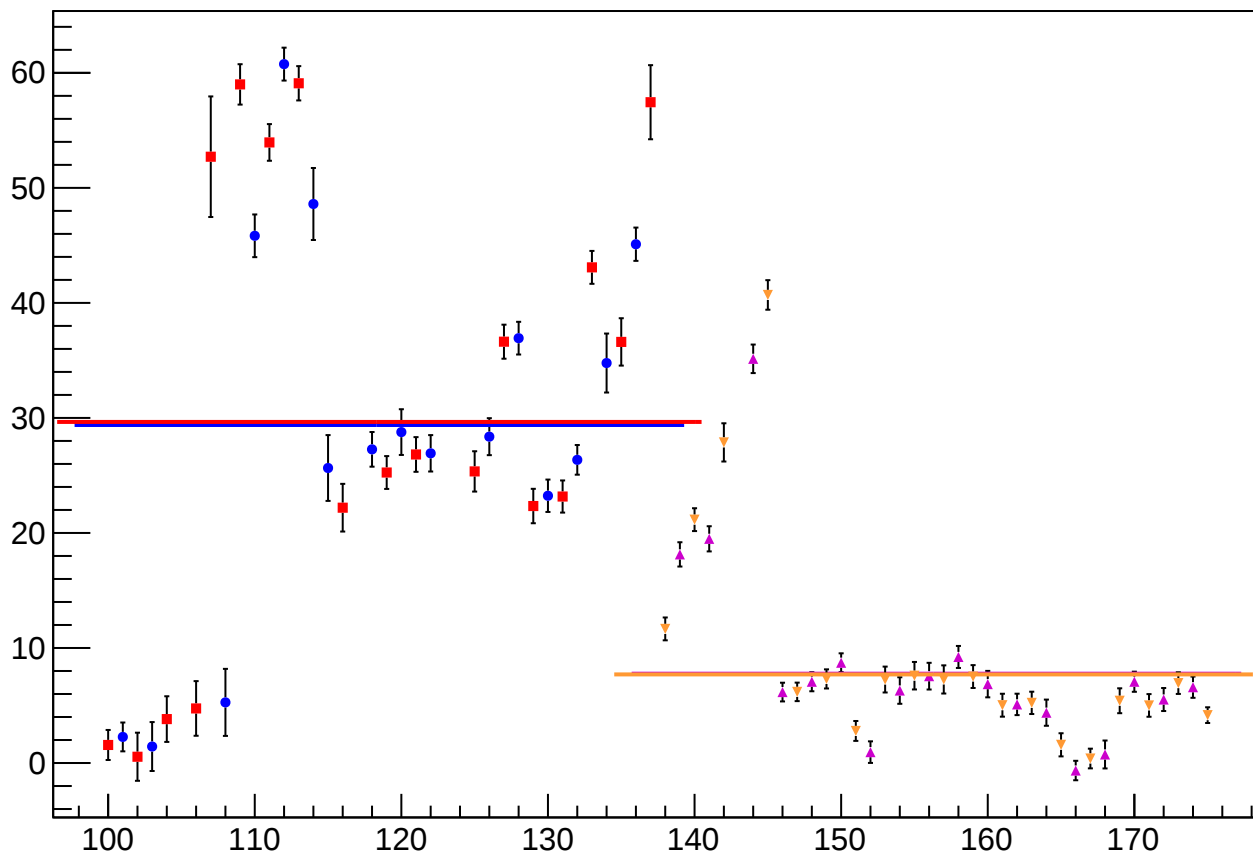
Left In: 1.349 ± 0.168 χ^2/NDF : 139.5/17

+ sign 2.177 ± 0.131 χ^2/NDF : 641.3/34

All: 2.301 ± 0.093 χ^2/NDF : 1247.7/70

- sign 2.431 ± 0.134 χ^2/NDF : 604.6/35

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 7.702 $\pm$ 0.223 χ^2 /NDF:1205.0/18

Right Out: 29.652 $\pm$ 0.402 χ^2 /NDF: 2131.0/17

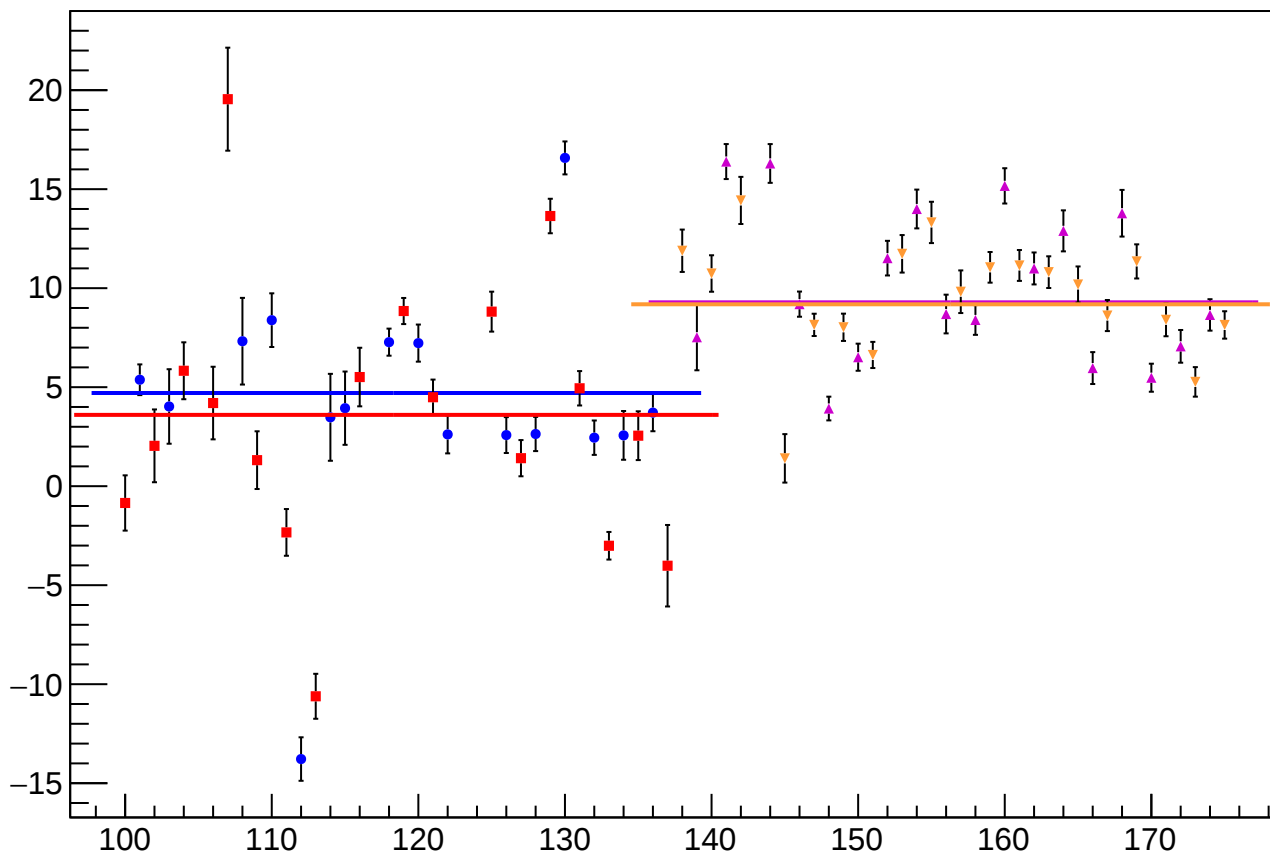
Left In: 7.765 $\pm$ 0.231 χ^2 /NDF:918.8/17

+ sign 12.490 $\pm$ 0.197 χ^2 /NDF: 4778.1/34

All: 12.828 $\pm$ 0.140 χ^2 /NDF: 10061.5/70

- sign 13.176 $\pm$ 0.200 χ^2 /NDF: 5277.4/35

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.186 ± 0.188 χ^2/NDF : 168.7/18

Right Out: 3.601 ± 0.254 χ^2/NDF : 573.4/17

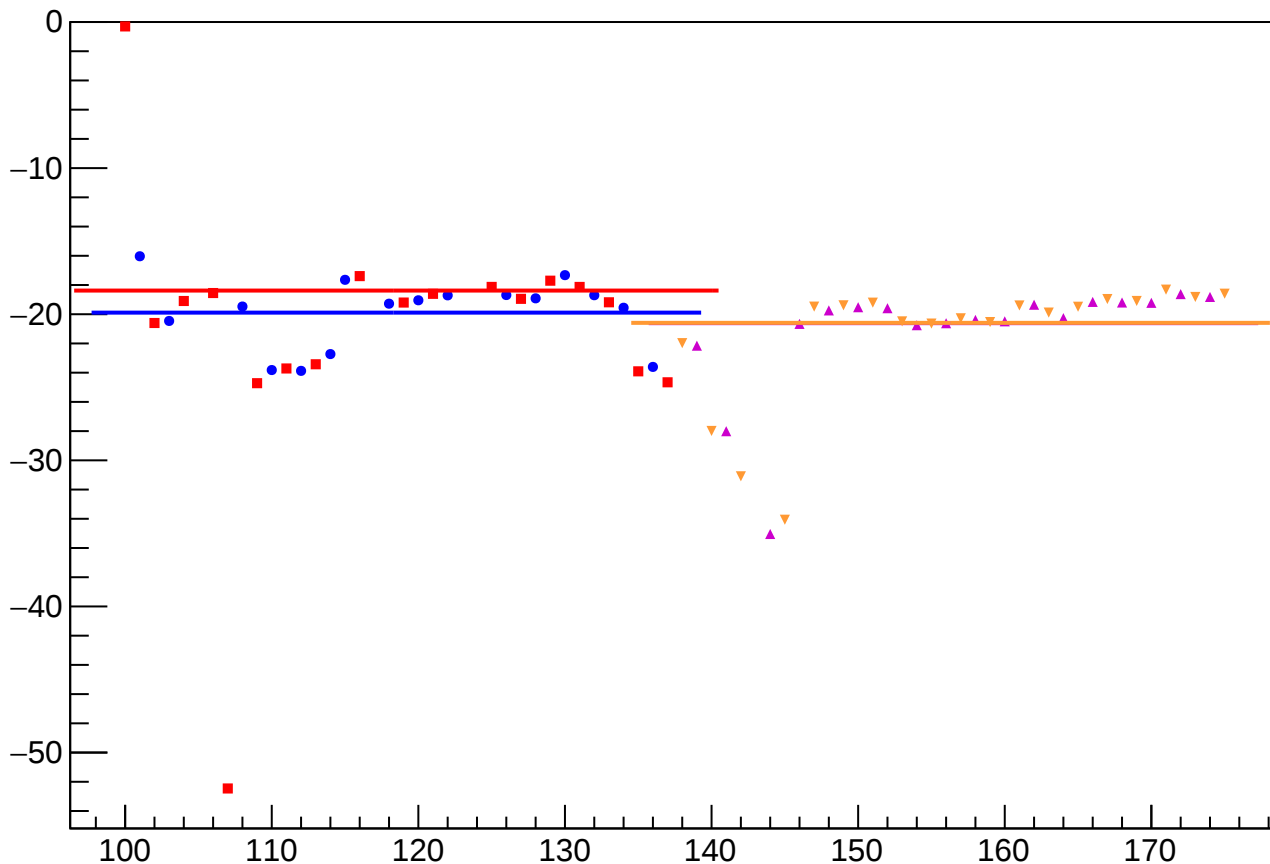
Left In: 9.285 ± 0.195 χ^2/NDF : 373.7/17

+ sign 7.598 ± 0.151 χ^2/NDF : 914.9/34

All: 7.392 ± 0.108 χ^2/NDF : 2180.7/70

- sign 7.177 ± 0.155 χ^2/NDF : 1262.0/35

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -20.590 ± 0.009 $\chi^2/\text{NDF}: 144857.1/18$

Right Out: -18.380 ± 0.015 $\chi^2/\text{NDF}: 300999.4/17$

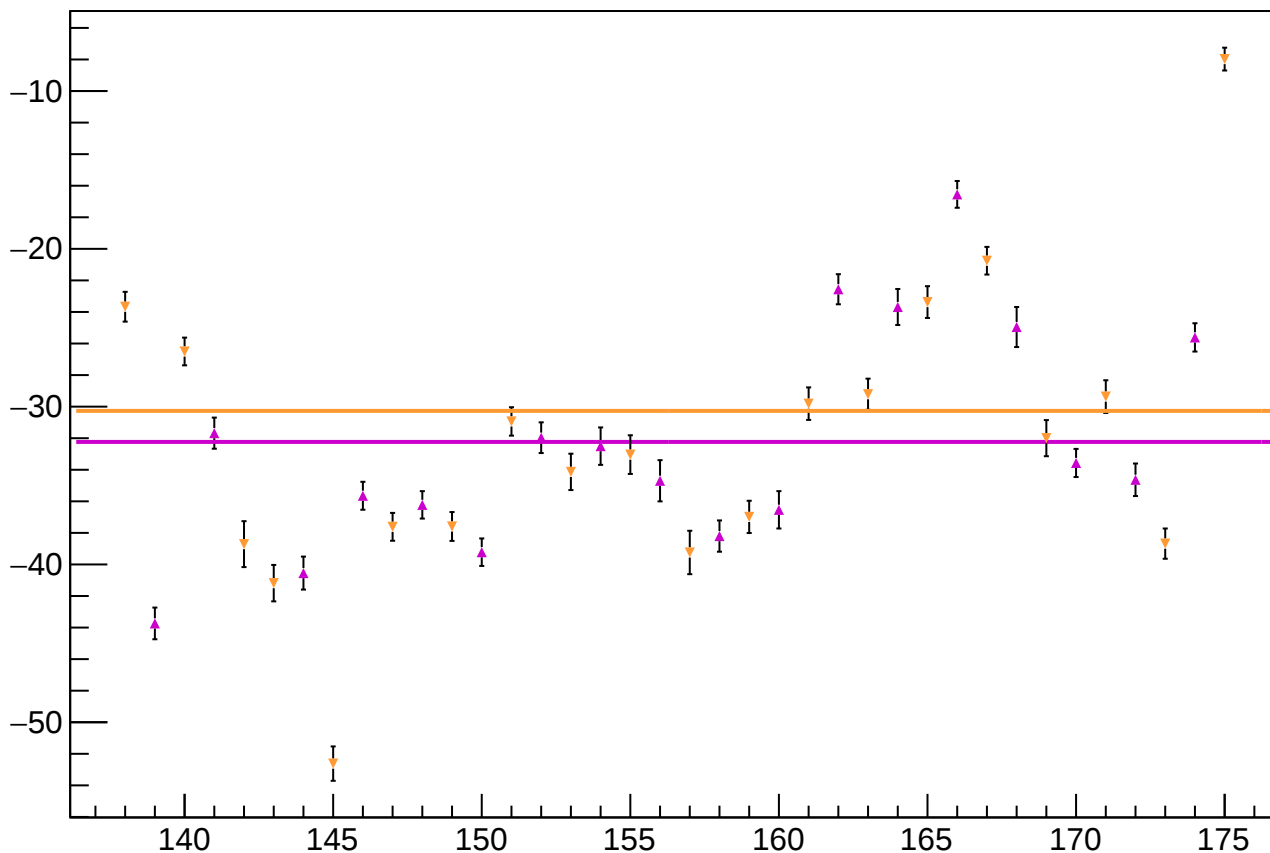
Left In: -20.611 ± 0.009 $\chi^2/\text{NDF}: 113948.3/17$

+ sign -20.418 ± 0.008 $\chi^2/\text{NDF}: 172411.7/34$

All: -20.210 ± 0.005 $\chi^2/\text{NDF}: 605463.4/70$

- sign -20.005 ± 0.008 $\chi^2/\text{NDF}: 431620.7/35$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -30.269 ± 0.223 χ^2/NDF : 2043.4/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

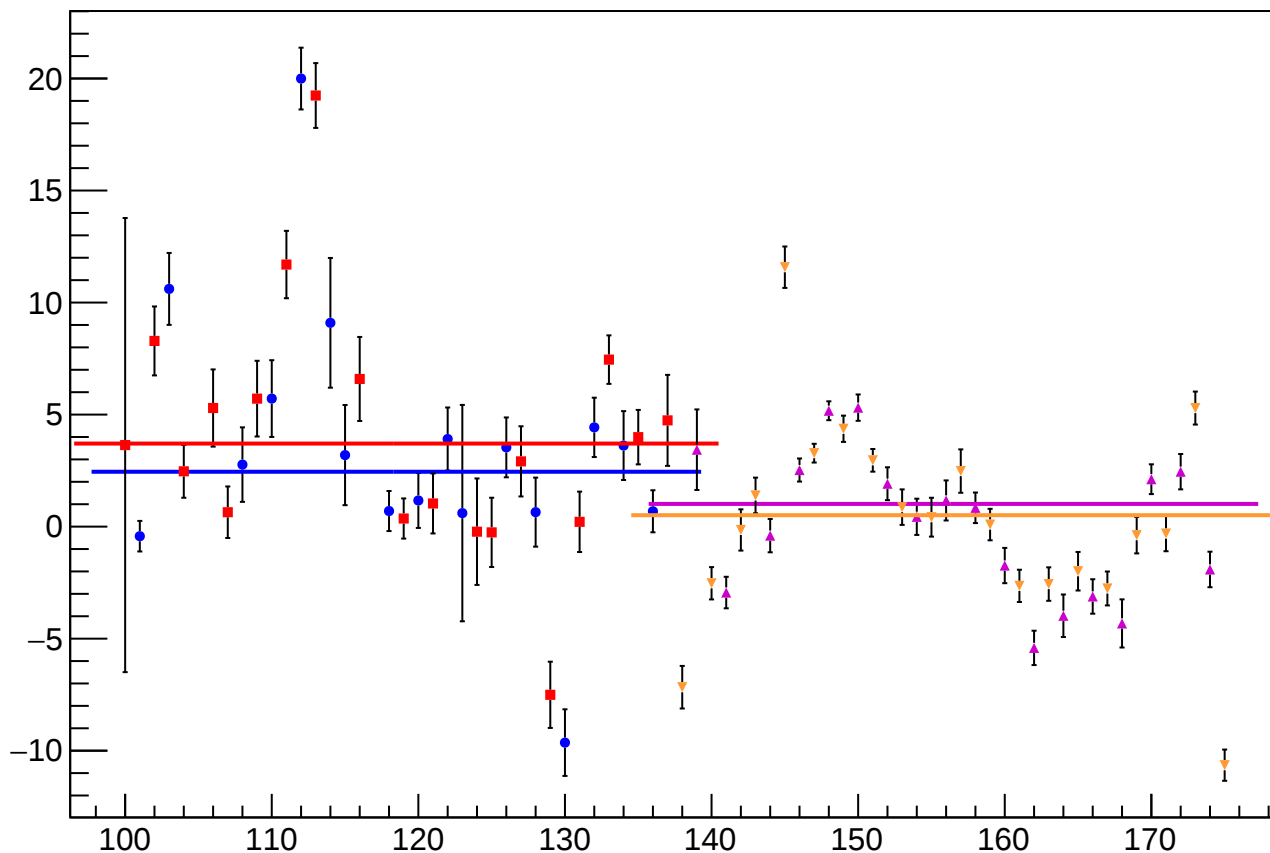
Left In: -32.235 ± 0.234 χ^2/NDF : 944.0/17

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -31.206 ± 0.162 χ^2/NDF : 3024.3/37

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 $\chi^2/\text{NDF}: 295.3/16$

Left Out: 0.510 ± 0.159 $\chi^2/\text{NDF}: 707.4/19$

Right Out: 3.707 ± 0.326 $\chi^2/\text{NDF}: 269.4/18$

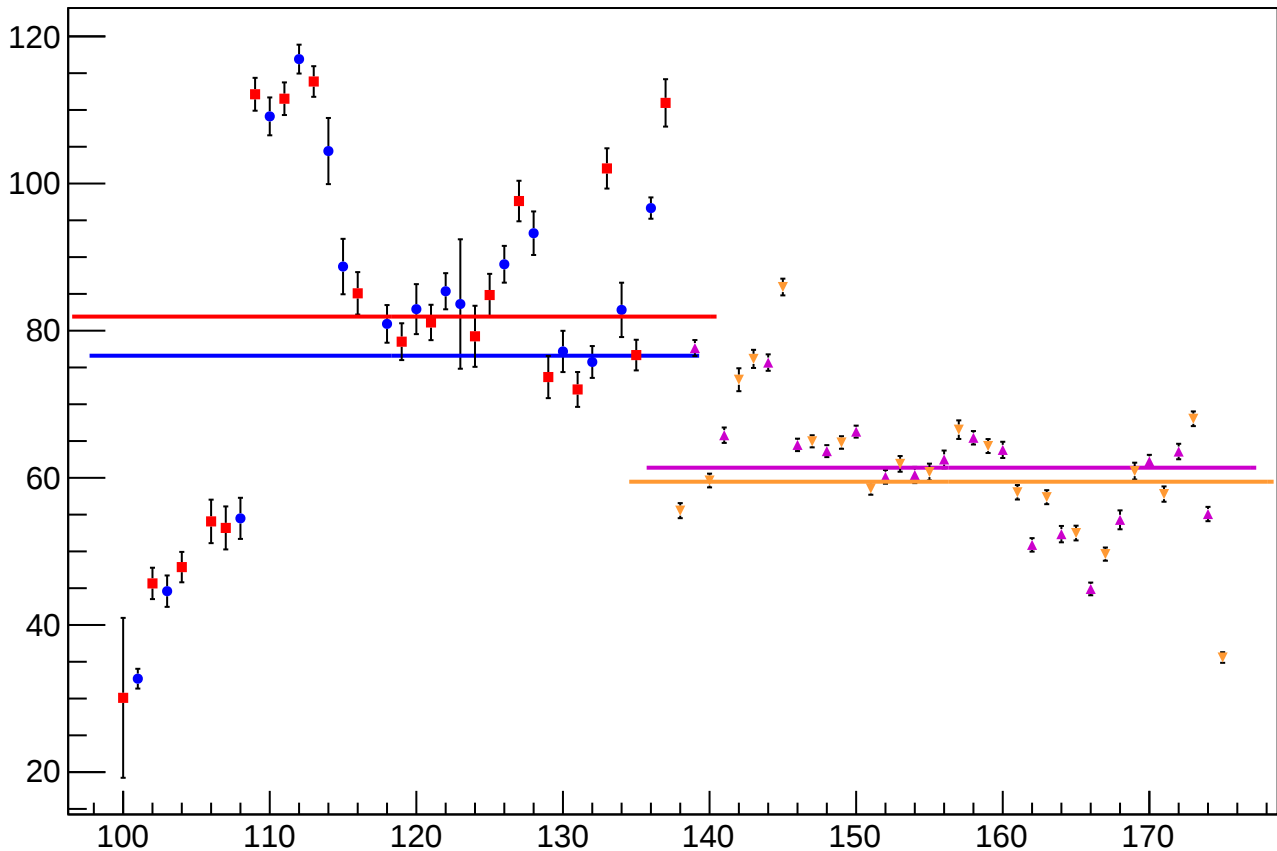
Left In: 1.013 ± 0.167 $\chi^2/\text{NDF}: 382.0/17$

+ sign 0.907 ± 0.142 $\chi^2/\text{NDF}: 1033.0/36$

All: 1.225 ± 0.103 $\chi^2/\text{NDF}: 1748.8/73$

- sign 1.575 ± 0.149 $\chi^2/\text{NDF}: 705.3/36$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 59.473 $\pm$ 0.221 χ^2 /NDF: 2314.9/19

Right Out: 81.916 $\pm$ 0.592 χ^2 /NDF: 1570.7/18

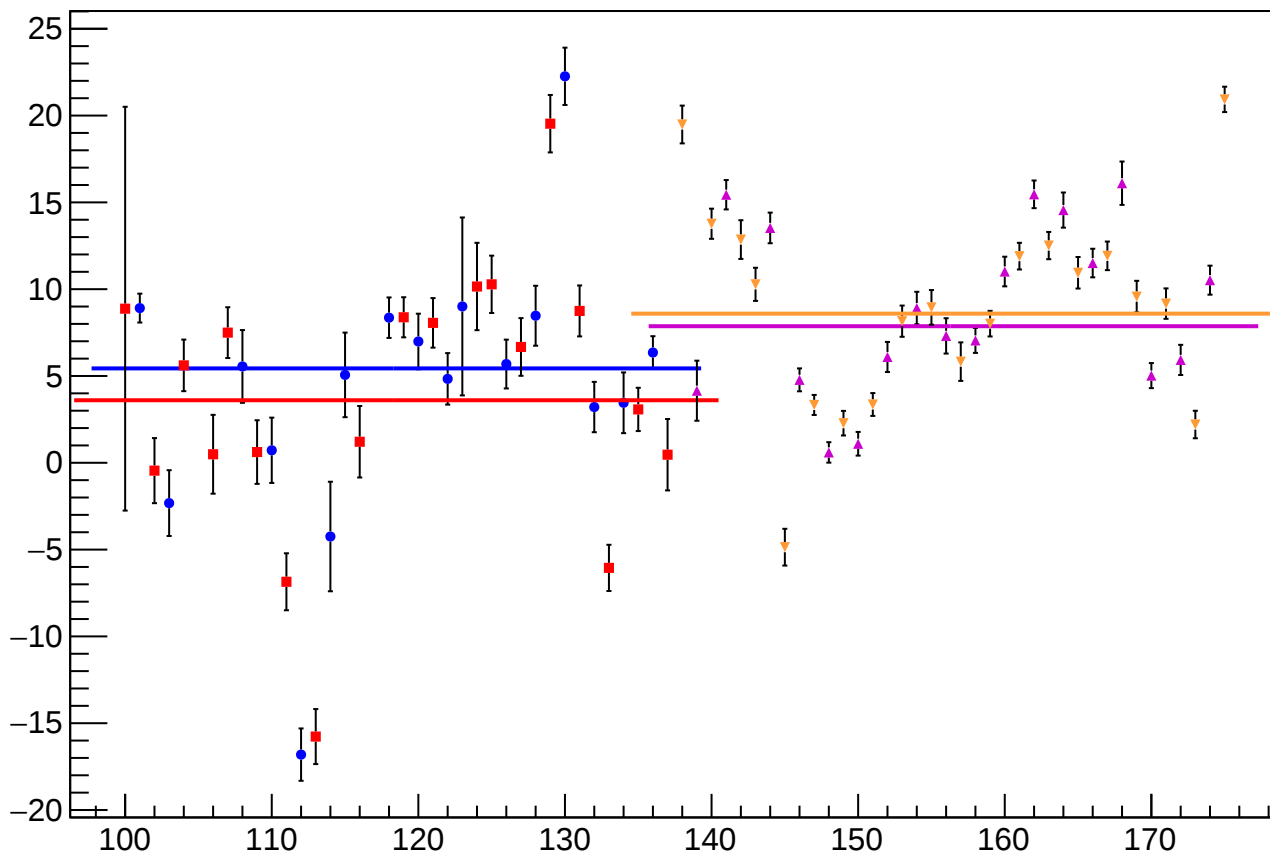
Left In: 61.376 $\pm$ 0.231 χ^2 /NDF: 1127.5/17

+ sign 61.668 $\pm$ 0.206 χ^2 /NDF: 5340.5/36

All: 62.826 $\pm$ 0.149 χ^2 /NDF: 9149.4/73

- sign 64.083 $\pm$ 0.215 χ^2 /NDF: 3743.2/36

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 8.591 ± 0.185 $\chi^2/\text{NDF}: 966.4/19$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

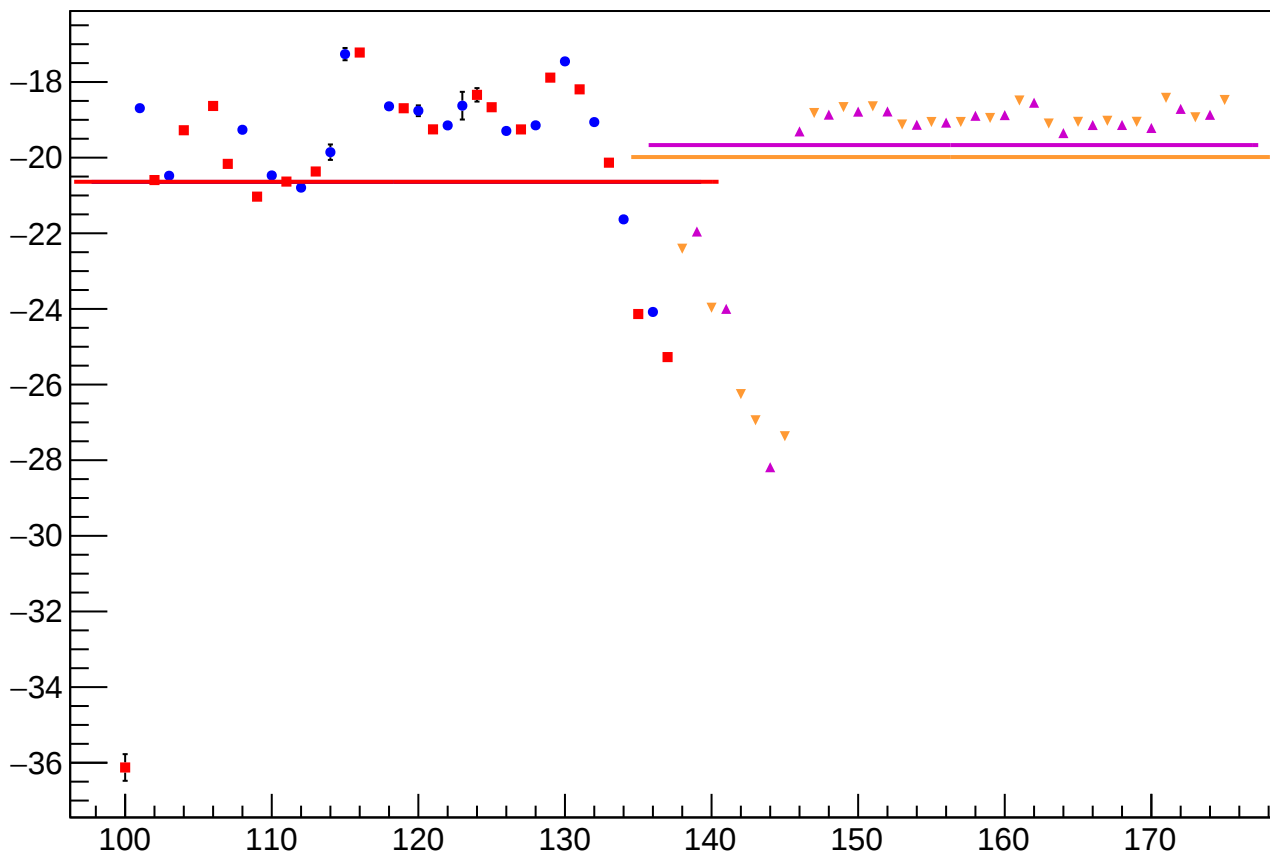
Left In: 7.867 ± 0.194 $\chi^2/\text{NDF}: 647.6/17$

+ sign 7.932 ± 0.165 $\chi^2/\text{NDF}: 1414.2/36$

All: 7.470 ± 0.119 $\chi^2/\text{NDF}: 2603.5/73$

- sign 6.963 ± 0.173 $\chi^2/\text{NDF}: 1172.8/36$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -19.984 ± 0.009 χ^2/NDF : 84228.0/19

Right Out: -20.638 ± 0.019 χ^2/NDF : 13783.4/18

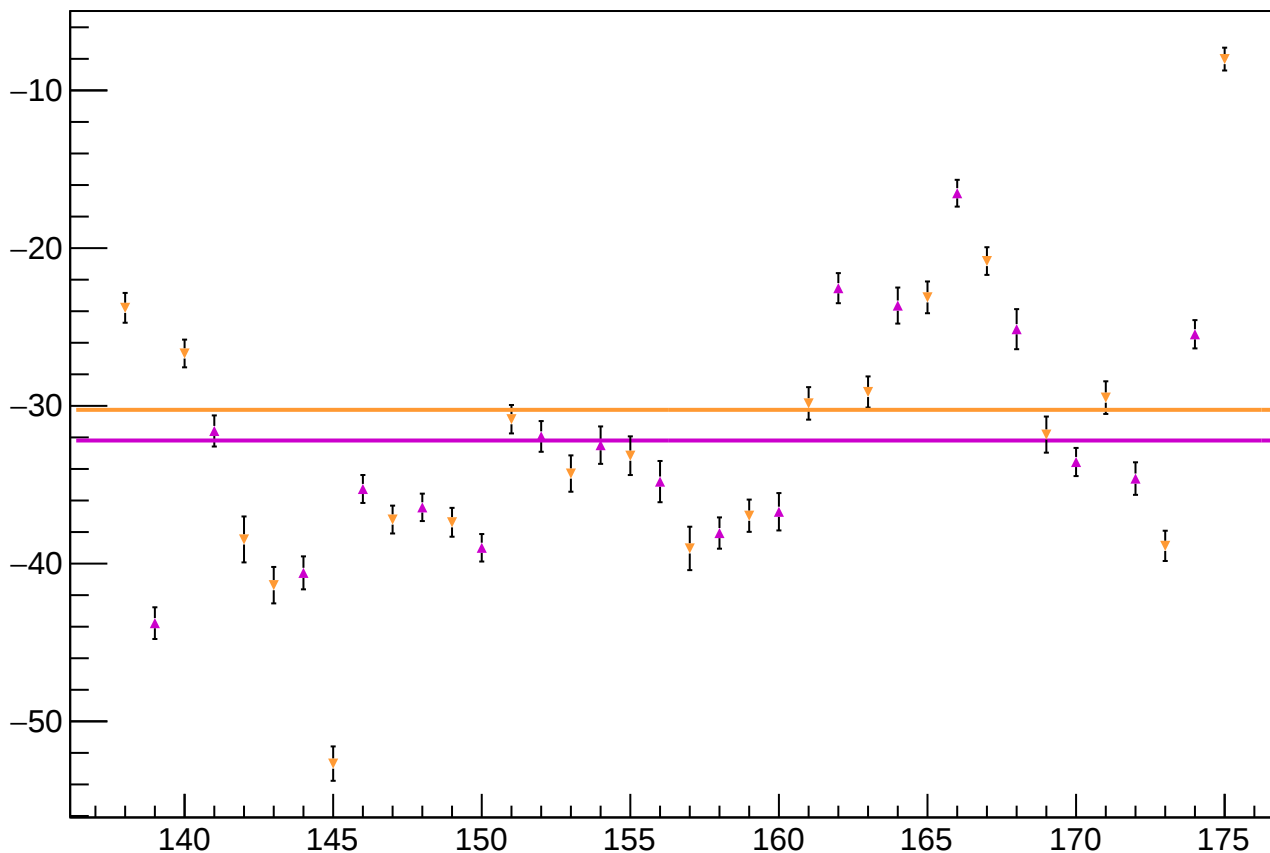
Left In: -19.668 ± 0.009 χ^2/NDF : 50251.0/17

+ sign -20.097 ± 0.008 χ^2/NDF : 97617.6/36

All: -19.971 ± 0.006 χ^2/NDF : 164206.6/73

- sign -19.839 ± 0.008 χ^2/NDF : 66082.2/36

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -30.252+/-0.223 χ^2/NDF : 2030.8/19

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

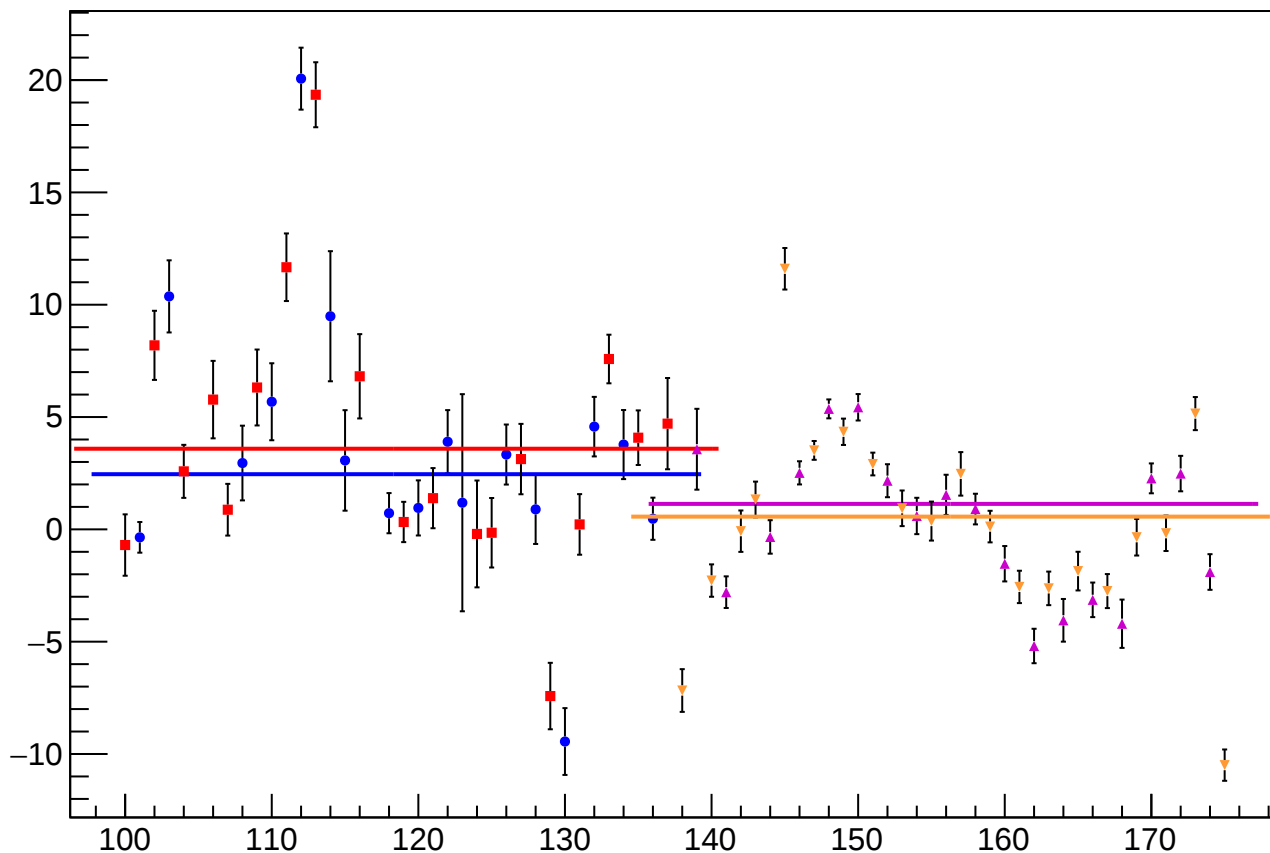
Left In: -32.196+/-0.234 χ^2/NDF : 942.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

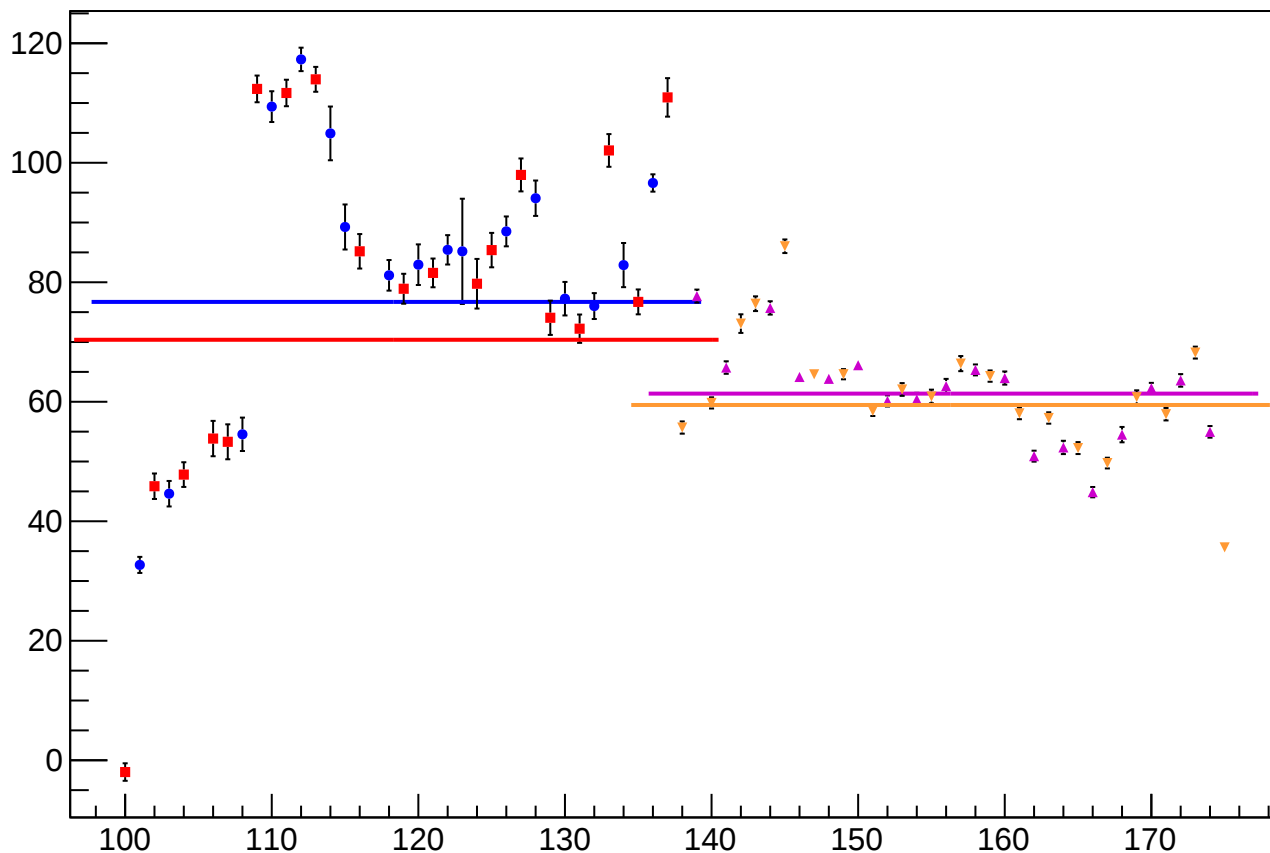
All: -31.178+/-0.162 χ^2/NDF : 3008.9/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 59.462 $\pm$ 0.221 χ^2 /NDF: 2308.5/19

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

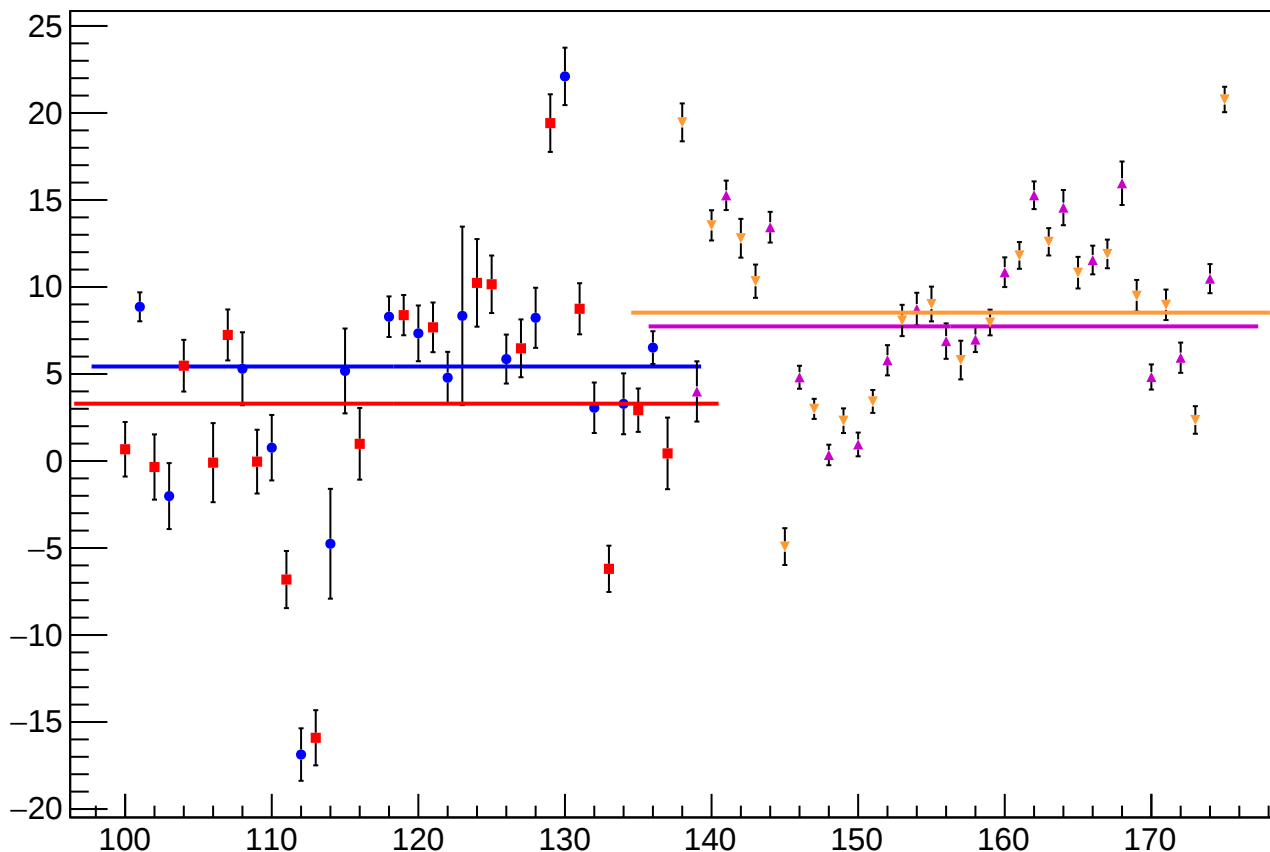
Left In: 61.364 $\pm$ 0.231 χ^2 /NDF: 1124.5/17

+ sign 61.673 $\pm$ 0.206 χ^2 /NDF: 5356.2/36

All: 62.178 $\pm$ 0.148 χ^2 /NDF: 11112.1/73

- sign 62.714 $\pm$ 0.213 χ^2 /NDF: 5743.6/36

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 8.527 ± 0.185 $\chi^2/\text{NDF}: 960.4/19$

Right Out: 3.295 ± 0.365 $\chi^2/\text{NDF}: 426.1/18$

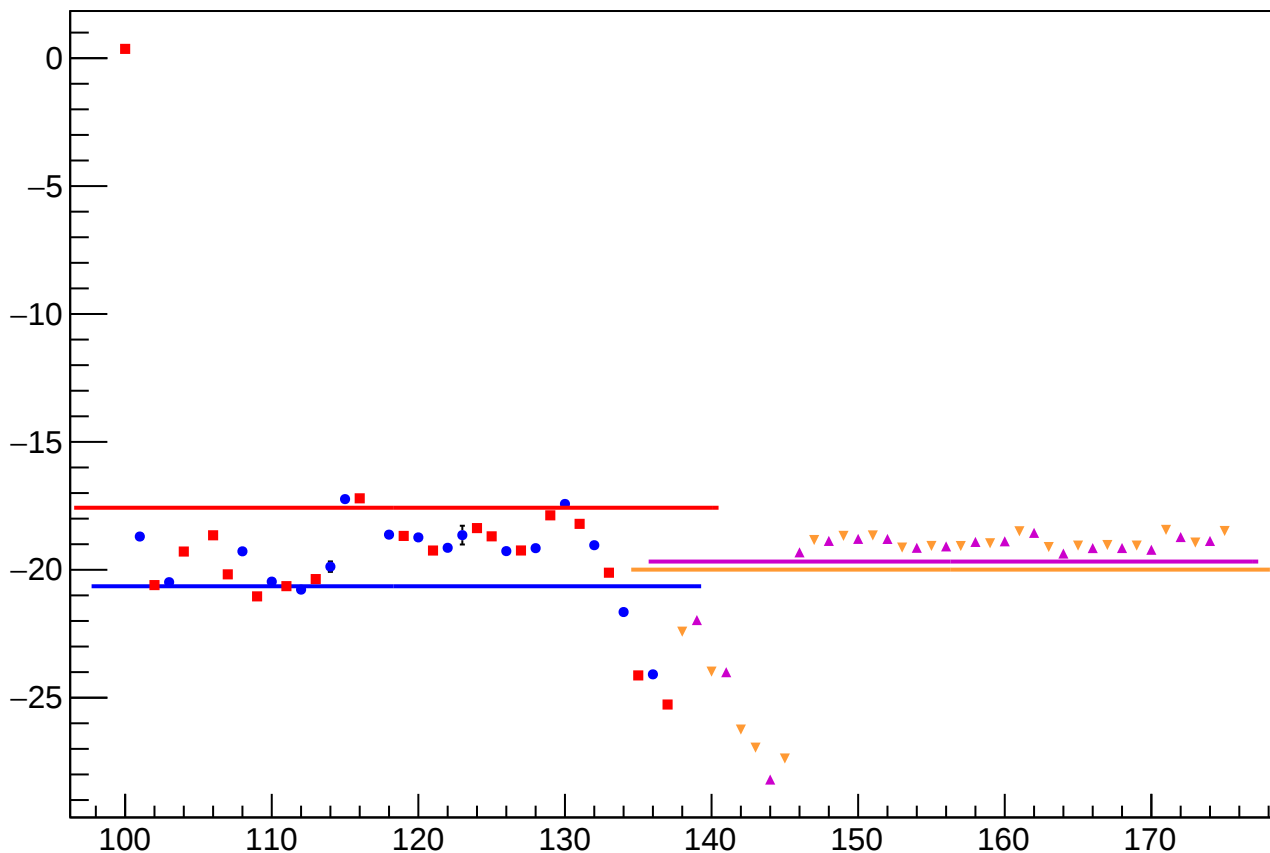
Left In: 7.735 ± 0.195 $\chi^2/\text{NDF}: 653.2/17$

+ sign 7.879 ± 0.165 $\chi^2/\text{NDF}: 1404.6/36$

All: 7.339 ± 0.119 $\chi^2/\text{NDF}: 2621.5/73$

- sign 6.752 ± 0.172 $\chi^2/\text{NDF}: 1194.4/36$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -19.993 ± 0.009 $\chi^2/\text{NDF}: 84080.2/19$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178327.0/18$

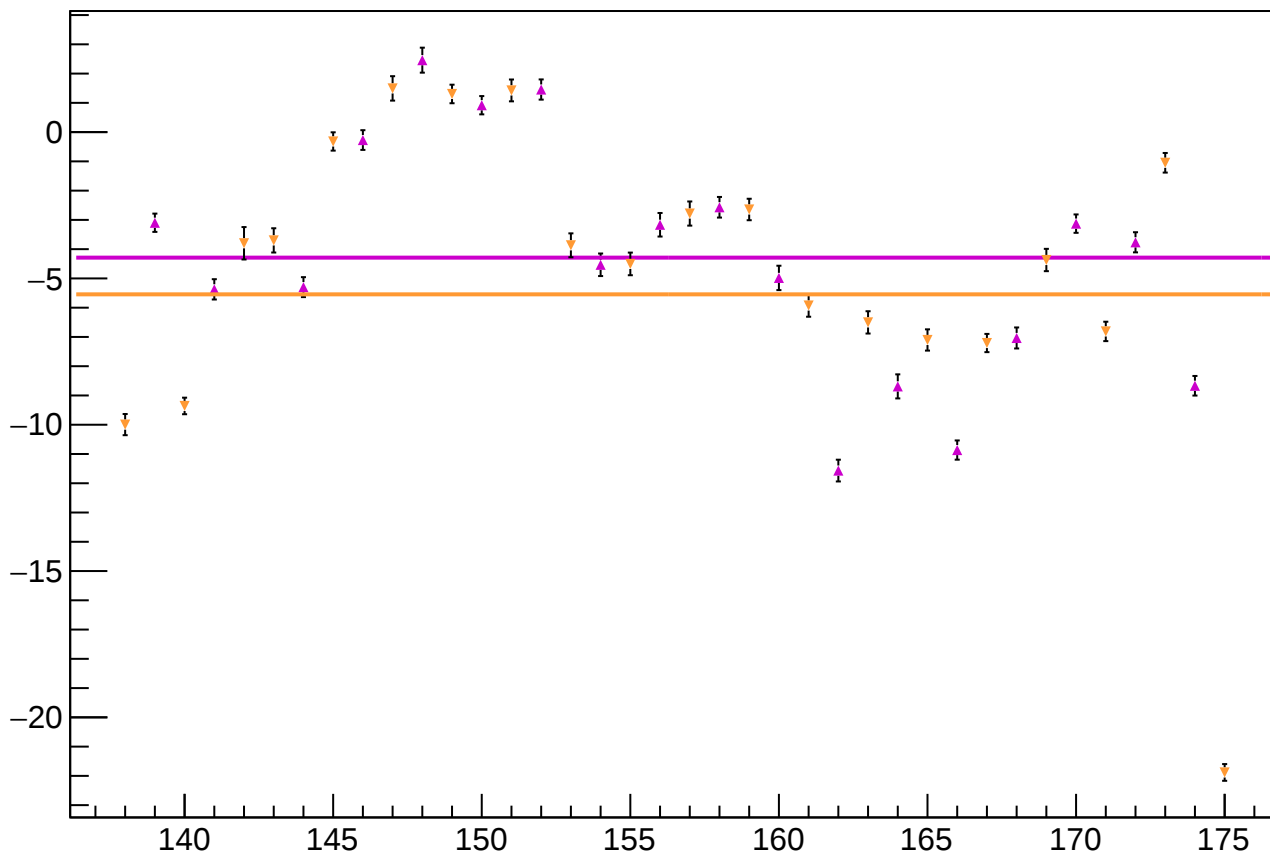
Left In: -19.678 ± 0.009 $\chi^2/\text{NDF}: 50192.5/17$

+ sign -20.105 ± 0.008 $\chi^2/\text{NDF}: 97483.7/36$

All: -19.683 ± 0.006 $\chi^2/\text{NDF}: 342443.7/73$

- sign -19.256 ± 0.008 $\chi^2/\text{NDF}: 239400.0/36$

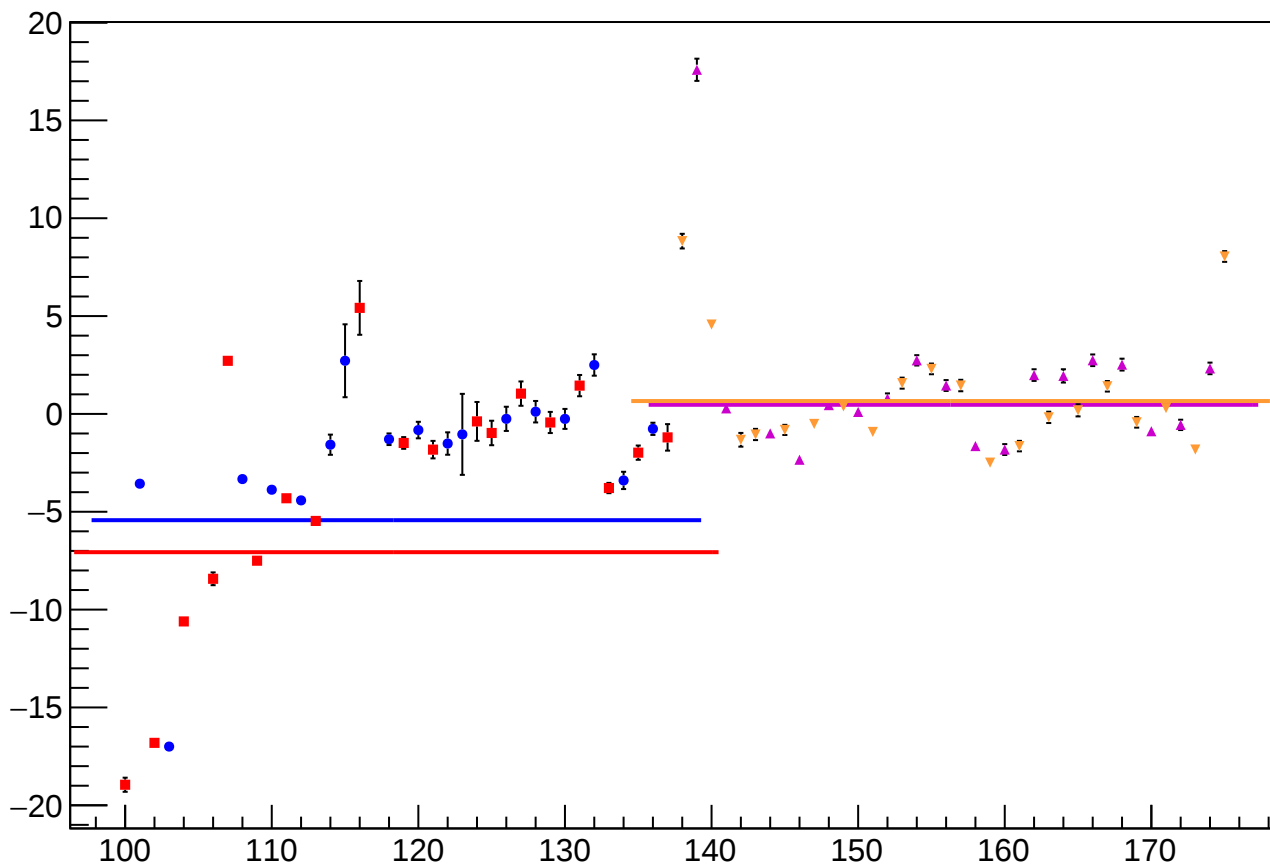
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -5.544 $\pm$ 0.080 χ^2 /NDF:5399.9/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.290 $\pm$ 0.083 χ^2 /NDF:2158.9/17

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -4.943 $\pm$ 0.058 χ^2 /NDF: 7677.1/37
 - 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+/-0.055 χ^2 /NDF: 9233.8/16

Left Out: 0.658+/-0.059 χ^2 /NDF:2072.5/19

Right Out: -7.066+/-0.059 χ^2 /NDF: 12306.6/18

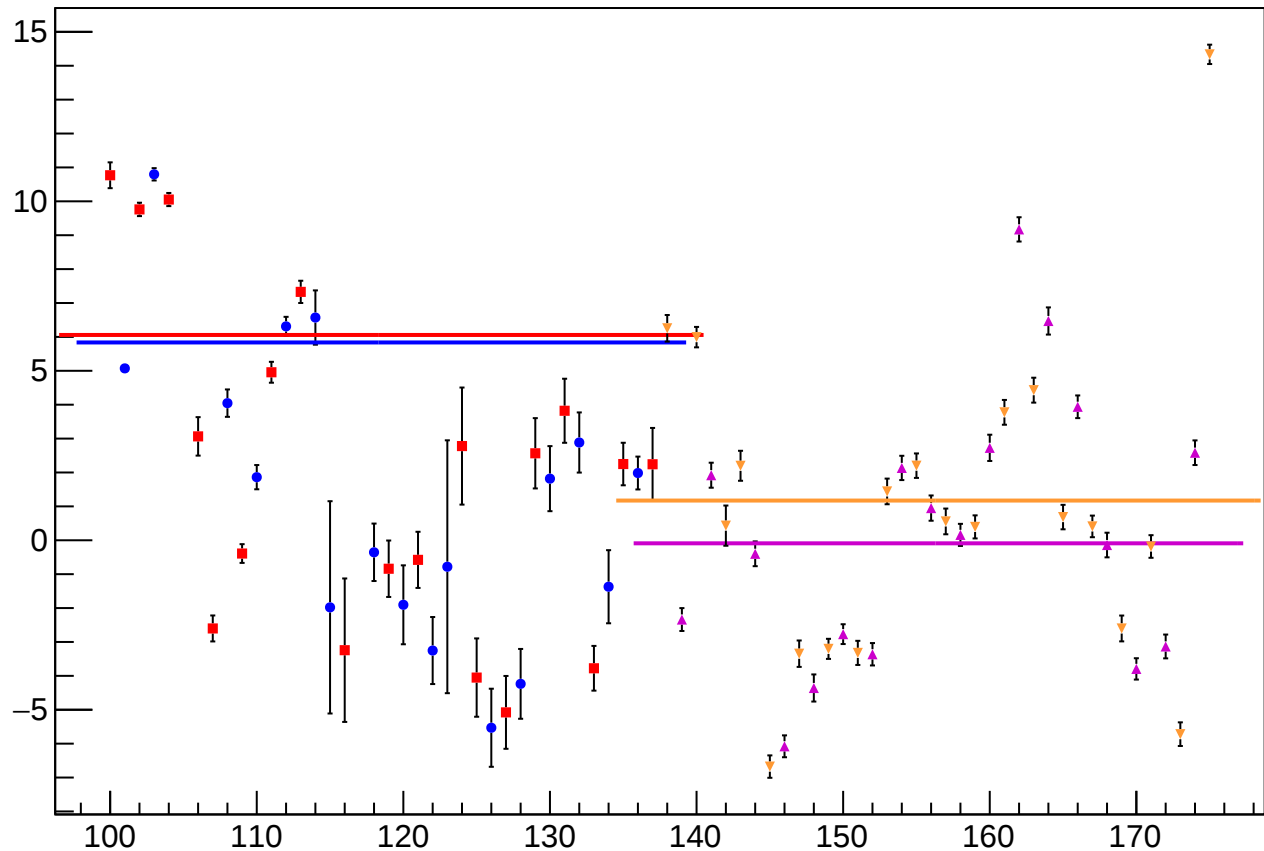
Left In: 0.466+/-0.062 χ^2 /NDF:1591.5/17

+ sign -2.593+/-0.040 χ^2 /NDF: 17045.1/36

All: -3.009+/-0.029 χ^2 /NDF: 38923.2/73

- sign -3.480+/-0.043 χ^2 /NDF: 21648.9/36

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 χ^2/NDF : 1440.9/16

Left Out: 1.172 ± 0.079 χ^2/NDF : 4288.1/19

Right Out: 6.057 ± 0.093 χ^2/NDF : 2668.9/18

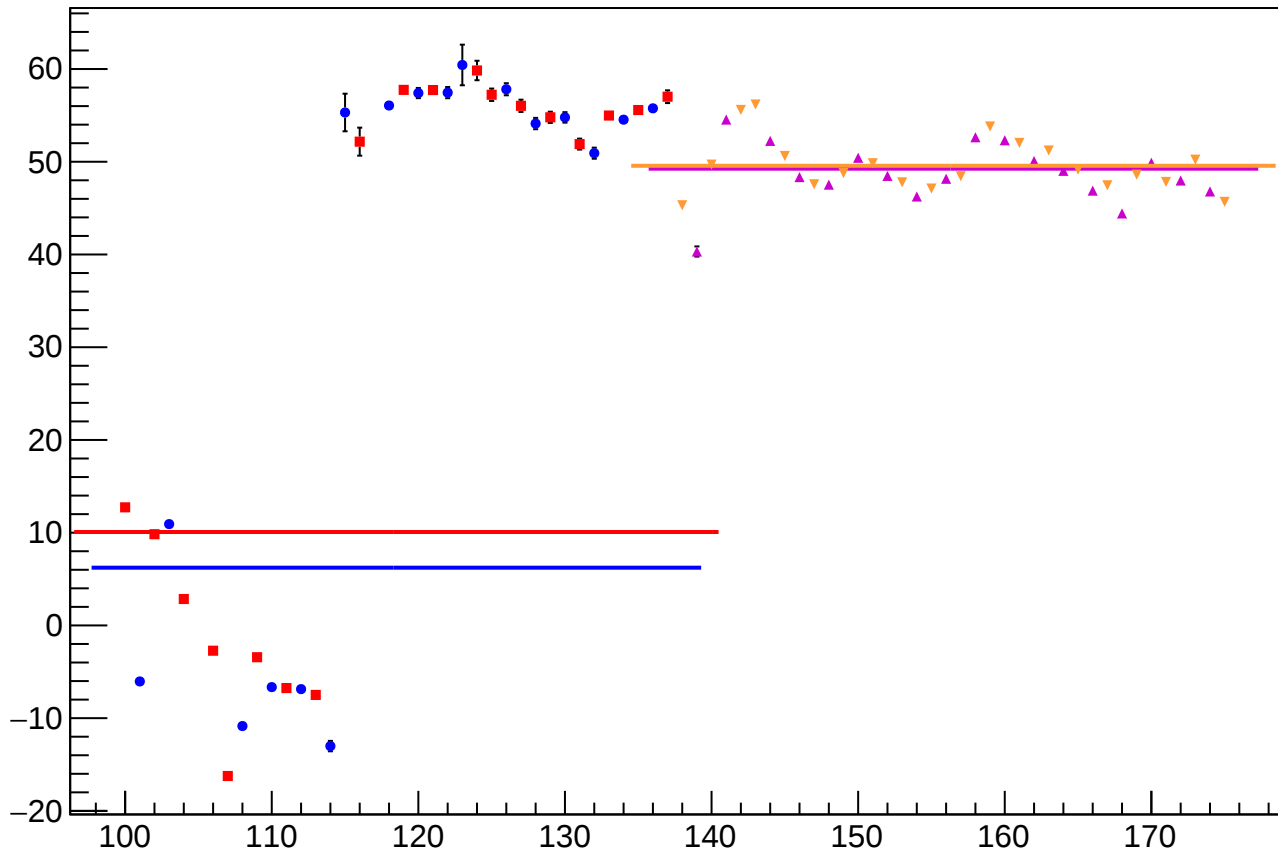
Left In: -0.090 ± 0.082 χ^2/NDF : 2164.2/17

+ sign 3.216 ± 0.059 χ^2/NDF : 7249.2/36

All: 2.919 ± 0.043 χ^2/NDF : 14575.6/73

- sign 2.598 ± 0.062 χ^2/NDF : 7274.3/36

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 49.567 ± 0.067 χ^2/NDF : 1498.2/19

Right Out: 10.075 ± 0.070 χ^2/NDF : 122049.3/18

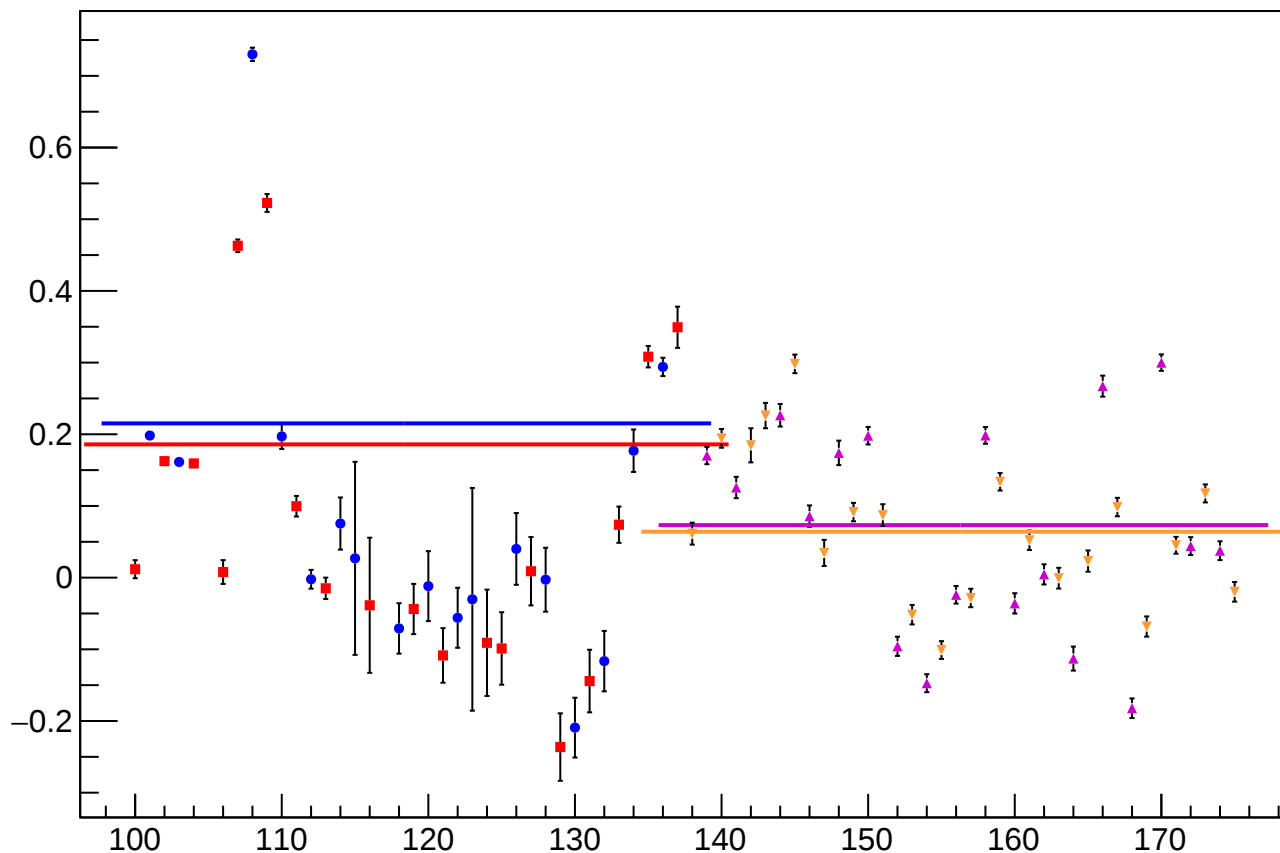
Left In: 49.252 ± 0.071 χ^2/NDF : 1490.7/17

+ sign 27.086 ± 0.047 χ^2/NDF : 337571.0/36

All: 28.177 ± 0.034 χ^2/NDF : 618030.5/73

- sign 29.410 ± 0.050 χ^2/NDF : 279297.0/36

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: 0.064 $\pm$ 0.003 χ^2 /NDF:1061.3/19

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

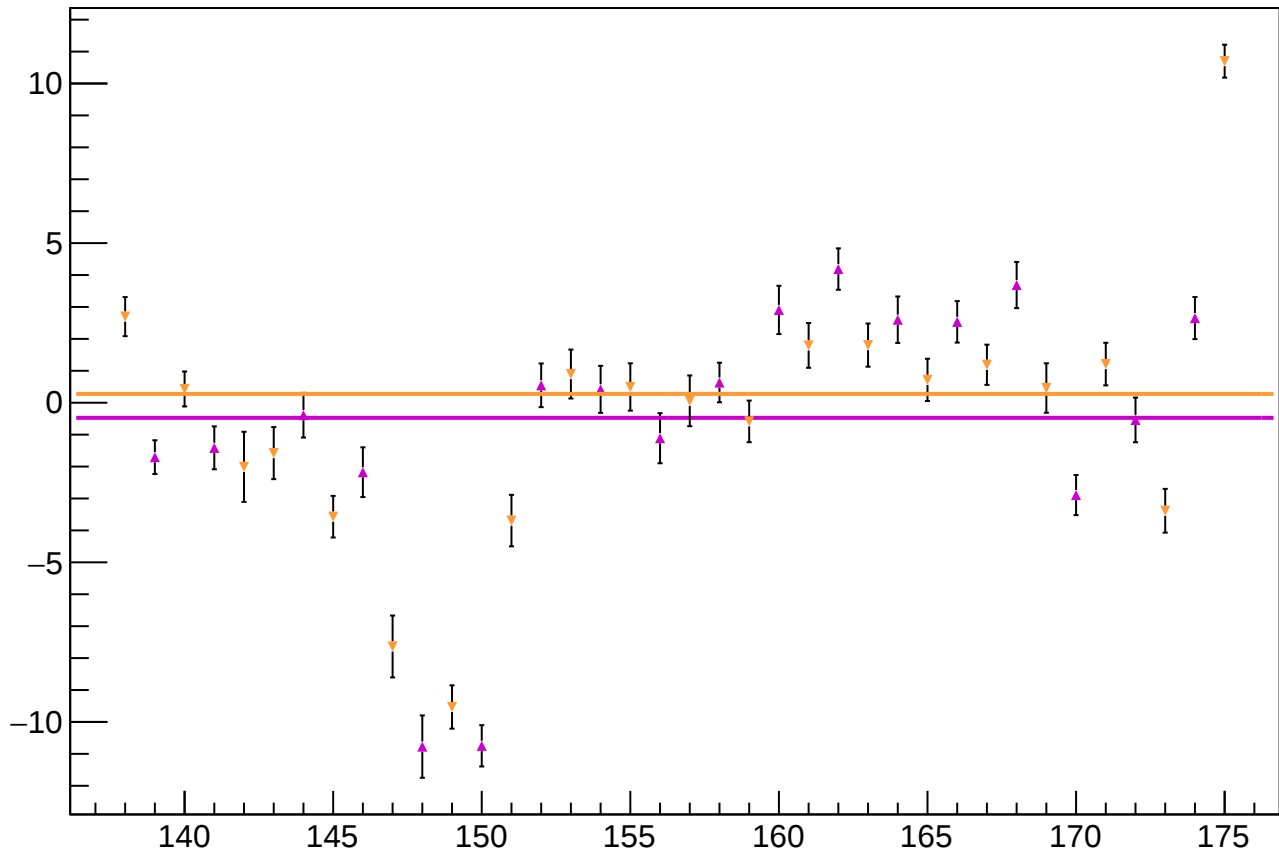
Left In: 0.073 $\pm$ 0.003 χ^2 /NDF:2095.4/17

+ sign 0.148 $\pm$ 0.002 χ^2 /NDF: 6308.0/36

All: 0.143 $\pm$ 0.001 χ^2 /NDF: 11865.8/73

- sign 0.139 $\pm$ 0.002 χ^2 /NDF: 5547.4/36

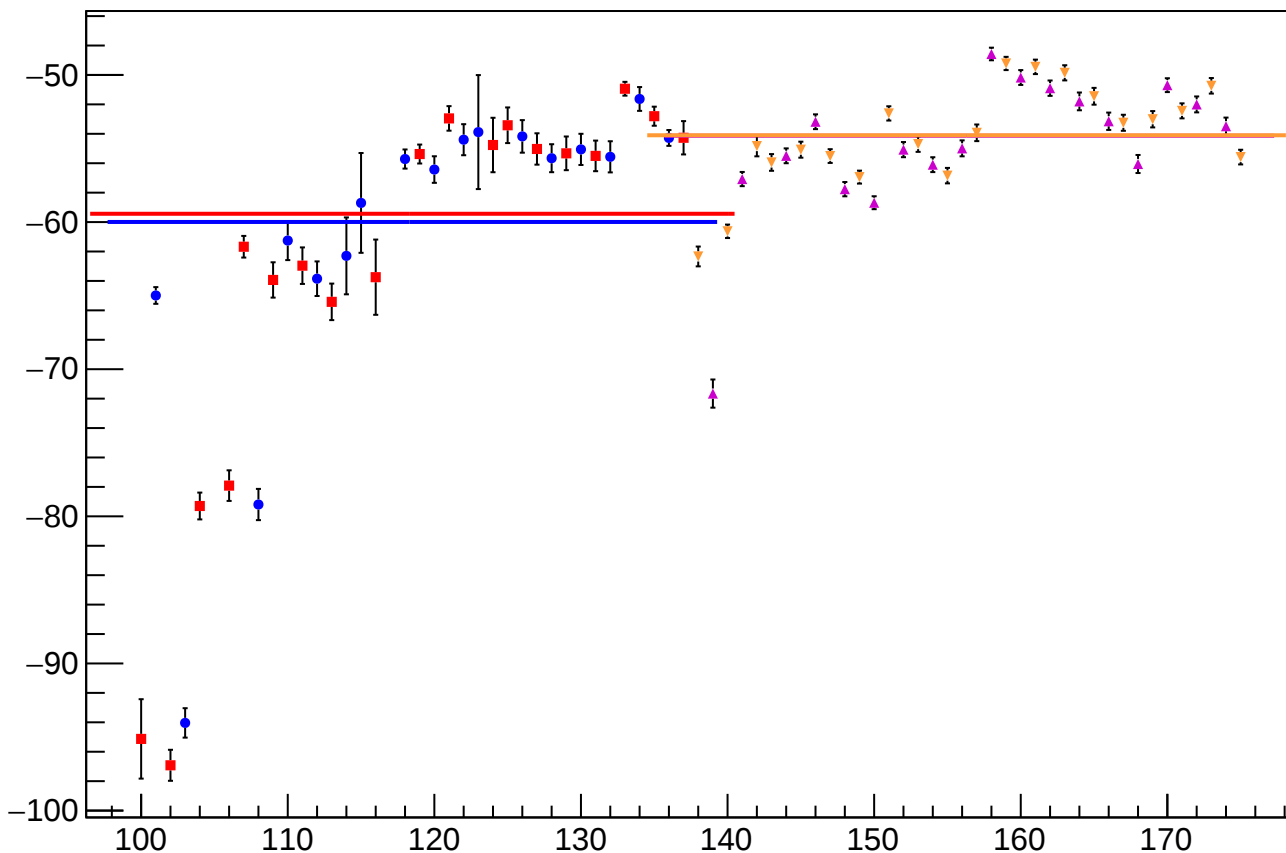
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.276 $\pm$ 0.155 χ^2/NDF :812.7/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -0.473 $\pm$ 0.162 χ^2/NDF :564.7/17

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 All: -0.082 $\pm$ 0.112 χ^2/NDF : 1388.6/37
 - sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 $\chi^2/\text{NDF}: 1972.9/16$

Left Out: -54.100 ± 0.116 $\chi^2/\text{NDF}: 819.9/19$

Right Out: -59.435 ± 0.212 $\chi^2/\text{NDF}: 2917.9/18$

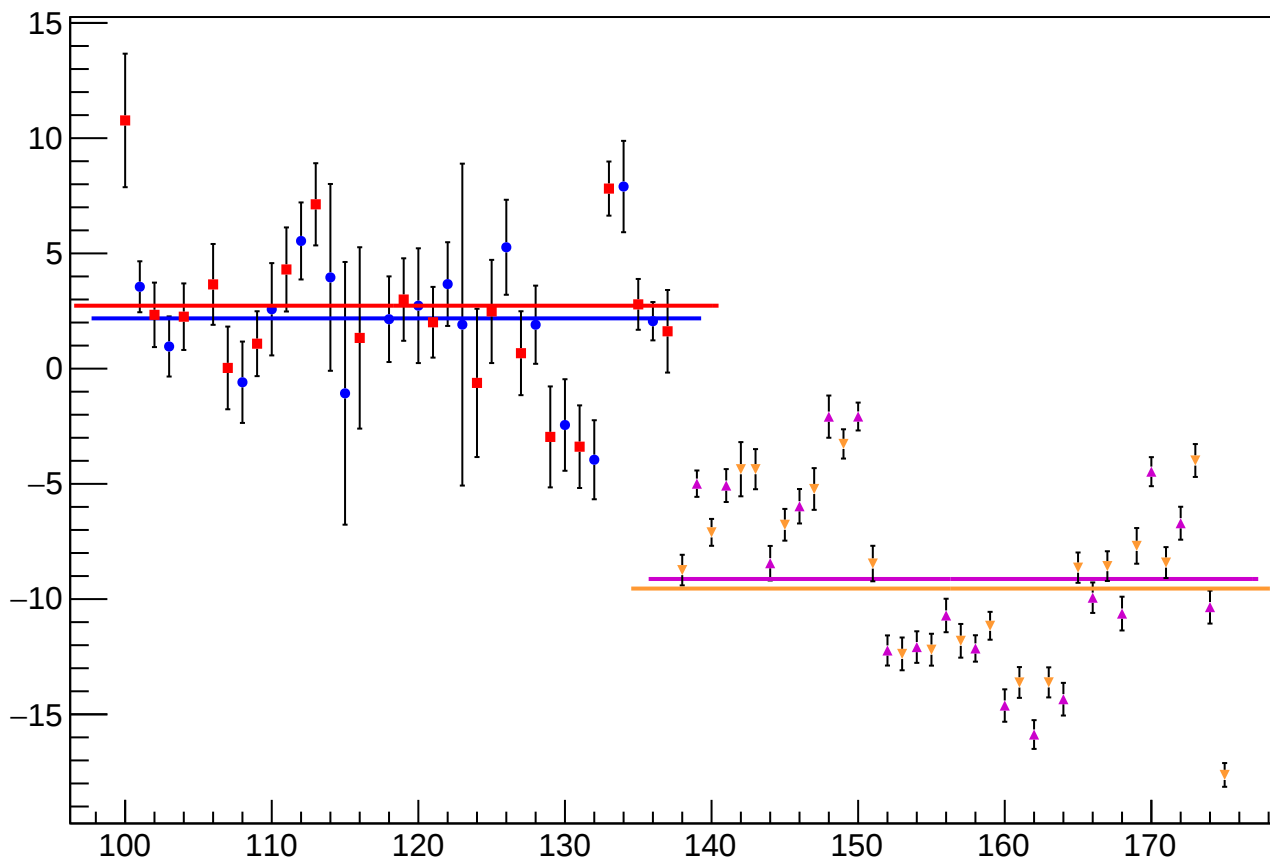
Left In: -54.132 ± 0.123 $\chi^2/\text{NDF}: 932.3/17$

+ sign -55.344 ± 0.103 $\chi^2/\text{NDF}: 3334.0/36$

All: -55.406 ± 0.074 $\chi^2/\text{NDF}: 7652.9/73$

- sign -55.471 ± 0.107 $\chi^2/\text{NDF}: 4318.2/36$

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: -9.543 ± 0.154 $\chi^2/\text{NDF}: 655.6/19$

Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

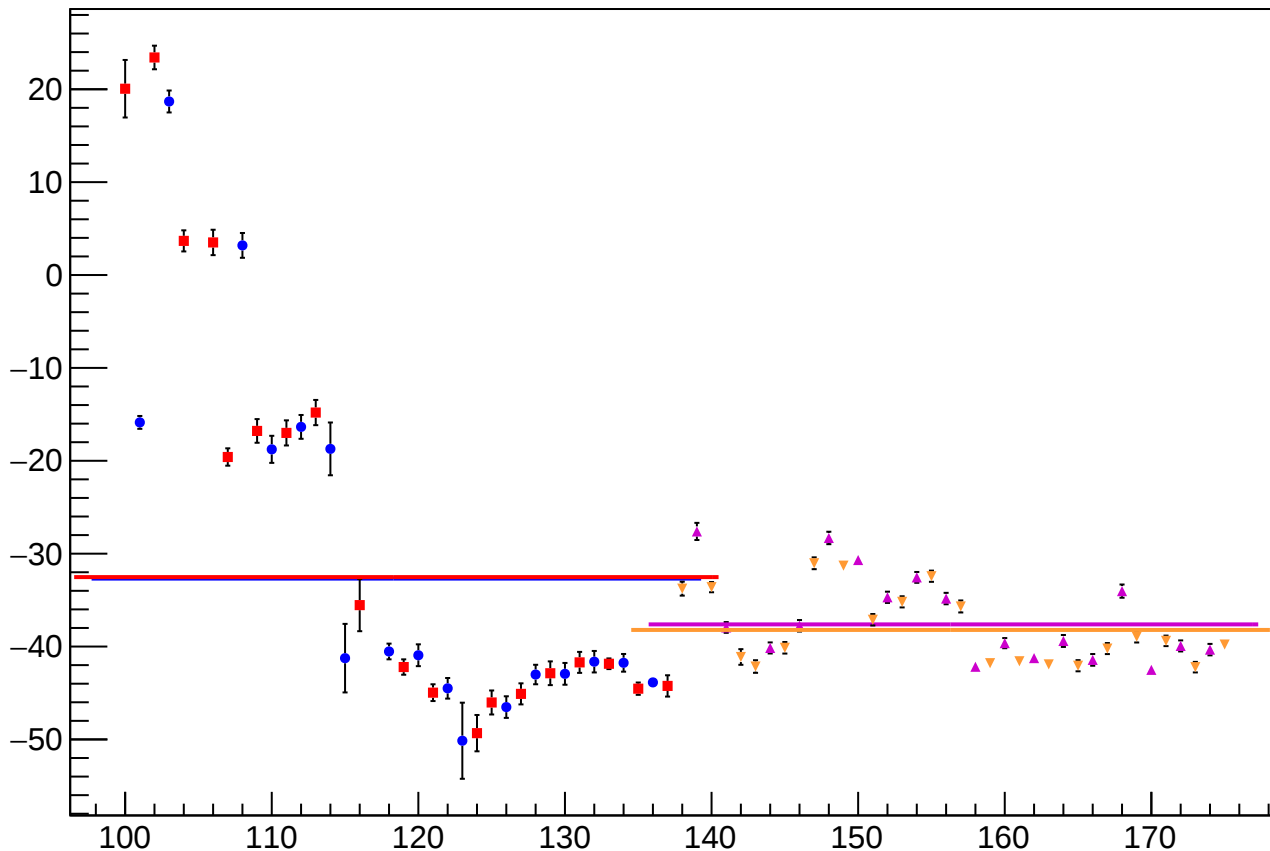
Left In: -9.127 ± 0.160 $\chi^2/\text{NDF}: 678.4/17$

+ sign -8.071 ± 0.144 $\chi^2/\text{NDF}: 1425.1/36$

All: -7.747 ± 0.103 $\chi^2/\text{NDF}: 2971.3/73$

- sign -7.404 ± 0.148 $\chi^2/\text{NDF}: 1535.7/36$

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: -38.212 ± 0.132 $\chi^2/\text{NDF}: 856.2/19$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

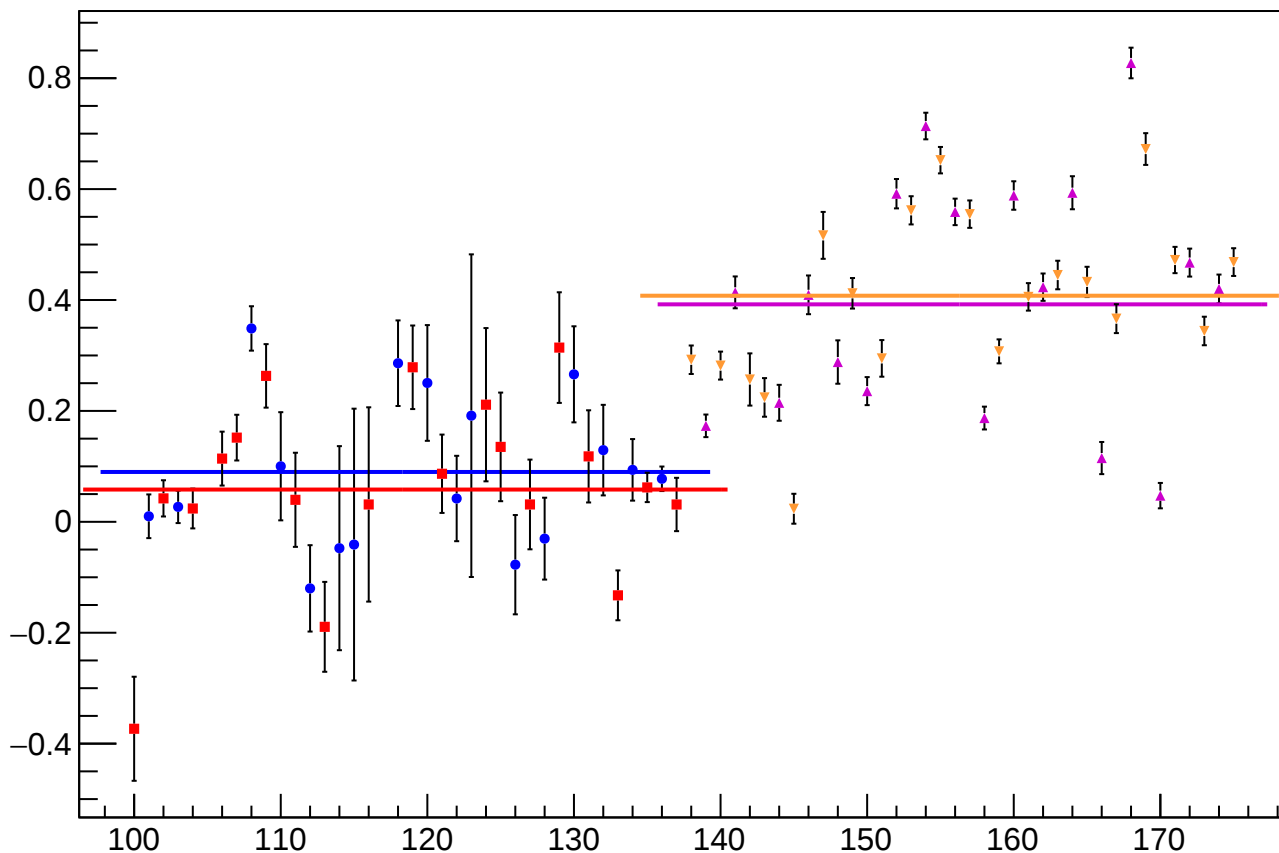
Left In: -37.614 ± 0.139 $\chi^2/\text{NDF}: 989.9/17$

+ sign -37.049 ± 0.117 $\chi^2/\text{NDF}: 5872.2/36$

All: -36.718 ± 0.084 $\chi^2/\text{NDF}: 13252.5/73$

- sign -36.368 ± 0.121 $\chi^2/\text{NDF}: 7364.0/36$

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: 0.408 ± 0.006 $\chi^2/\text{NDF}: 613.3/19$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

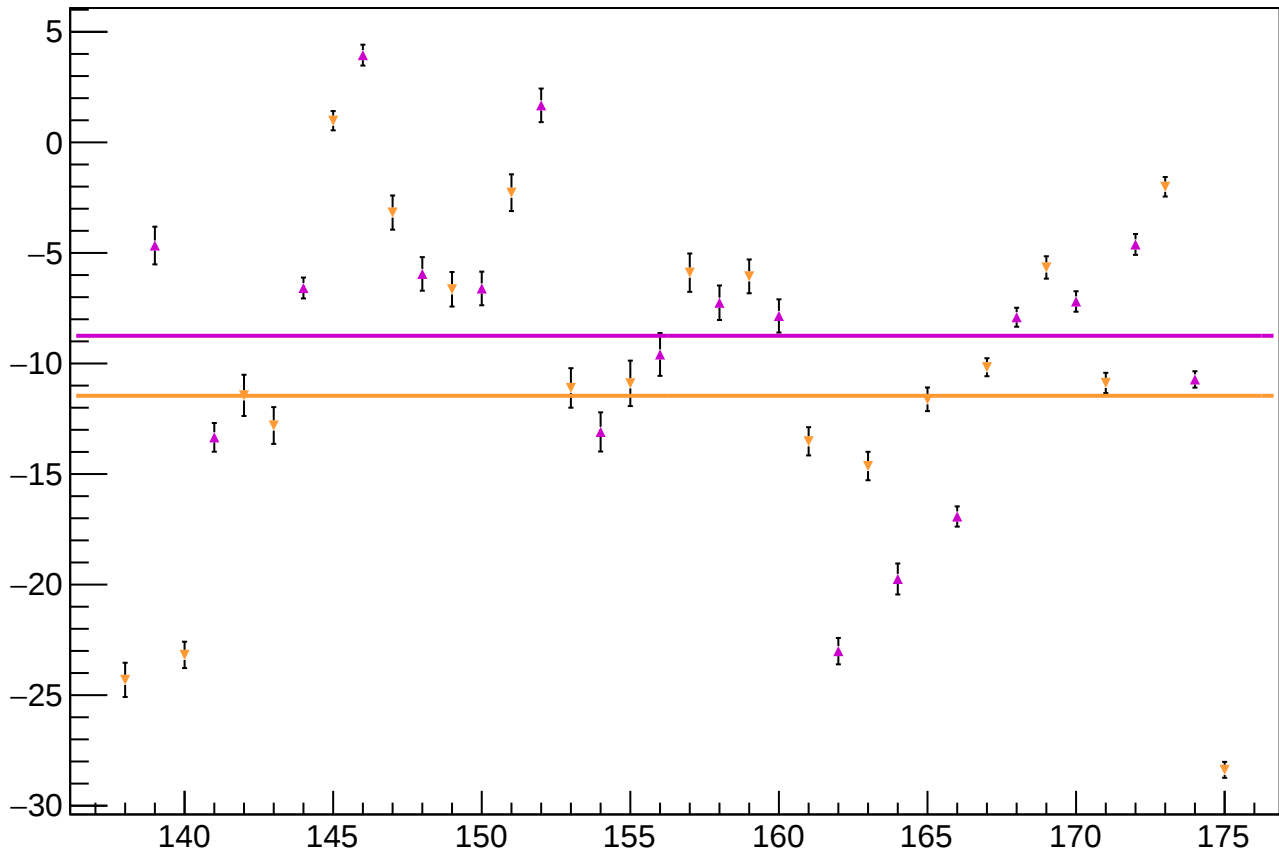
Left In: 0.392 ± 0.006 $\chi^2/\text{NDF}: 1258.8/17$

+ sign 0.350 ± 0.005 $\chi^2/\text{NDF}: 1200.9/36$

All: 0.337 ± 0.004 $\chi^2/\text{NDF}: 3158.2/73$

- sign 0.325 ± 0.005 $\chi^2/\text{NDF}: 1946.6/36$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



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

Left Out: -11.461+/-0.131 χ^2/NDF : 4684.7/19

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

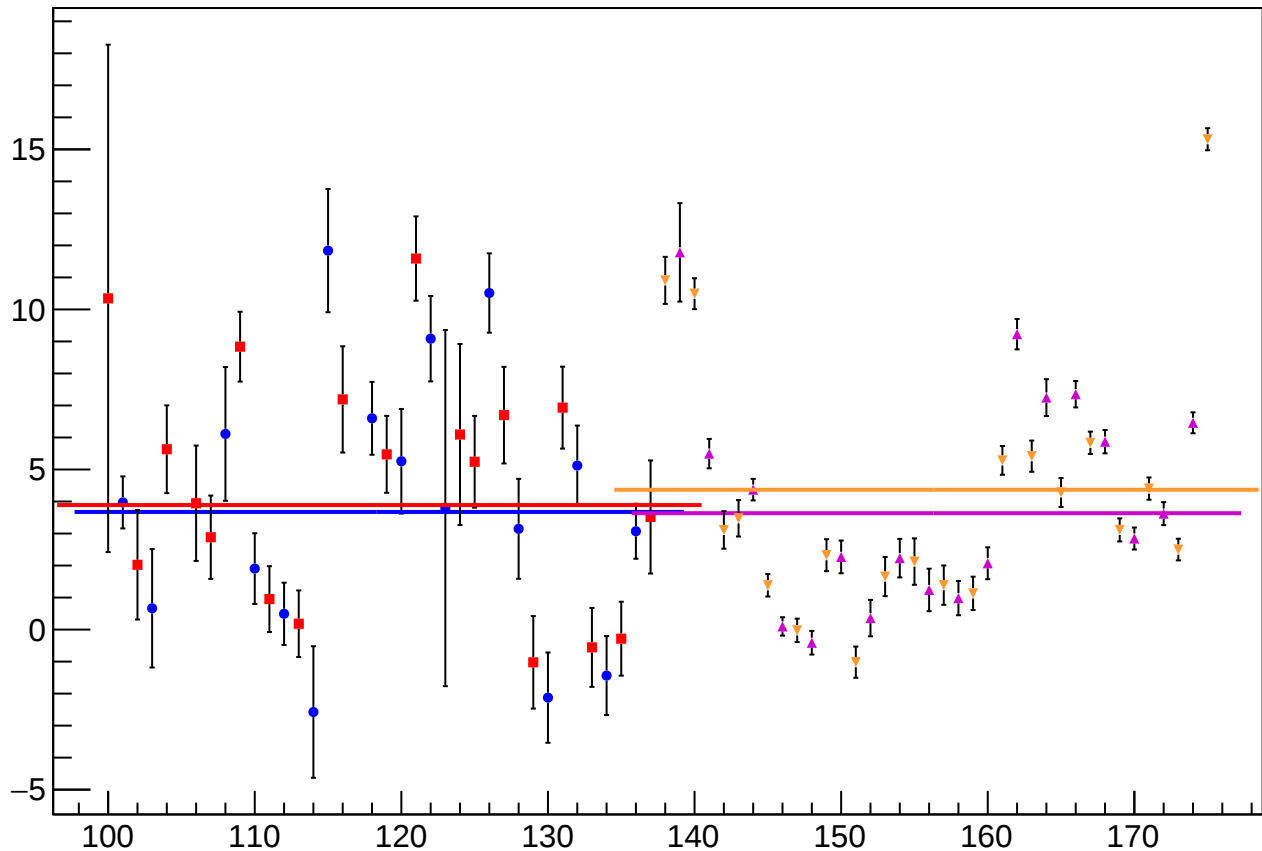
Left In: -8.747+/-0.135 χ^2/NDF : 2311.4/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -10.141+/-0.094 χ^2/NDF : 7204.8/37

- 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: 4.367 ± 0.099 χ^2/NDF : 1772.8/19

Right Out: 3.890 ± 0.316 χ^2/NDF : 133.7/18

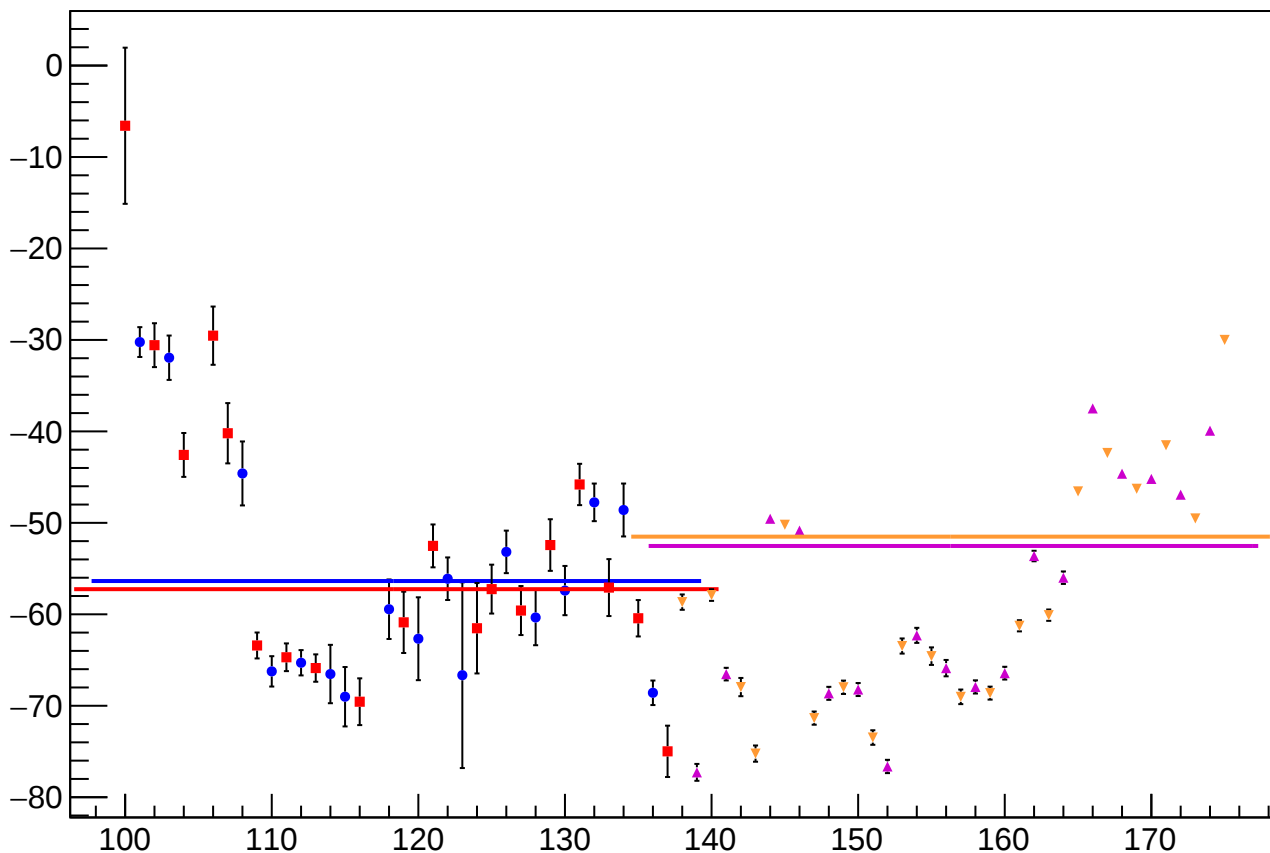
Left In: 3.635 ± 0.100 χ^2/NDF : 791.8/17

+ sign 4.304 ± 0.094 χ^2/NDF : 1912.5/36

All: 3.986 ± 0.067 χ^2/NDF : 2861.8/73

- sign 3.658 ± 0.096 χ^2/NDF : 926.1/36

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -51.508 ± 0.131 χ^2/NDF : 9801.2/19

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

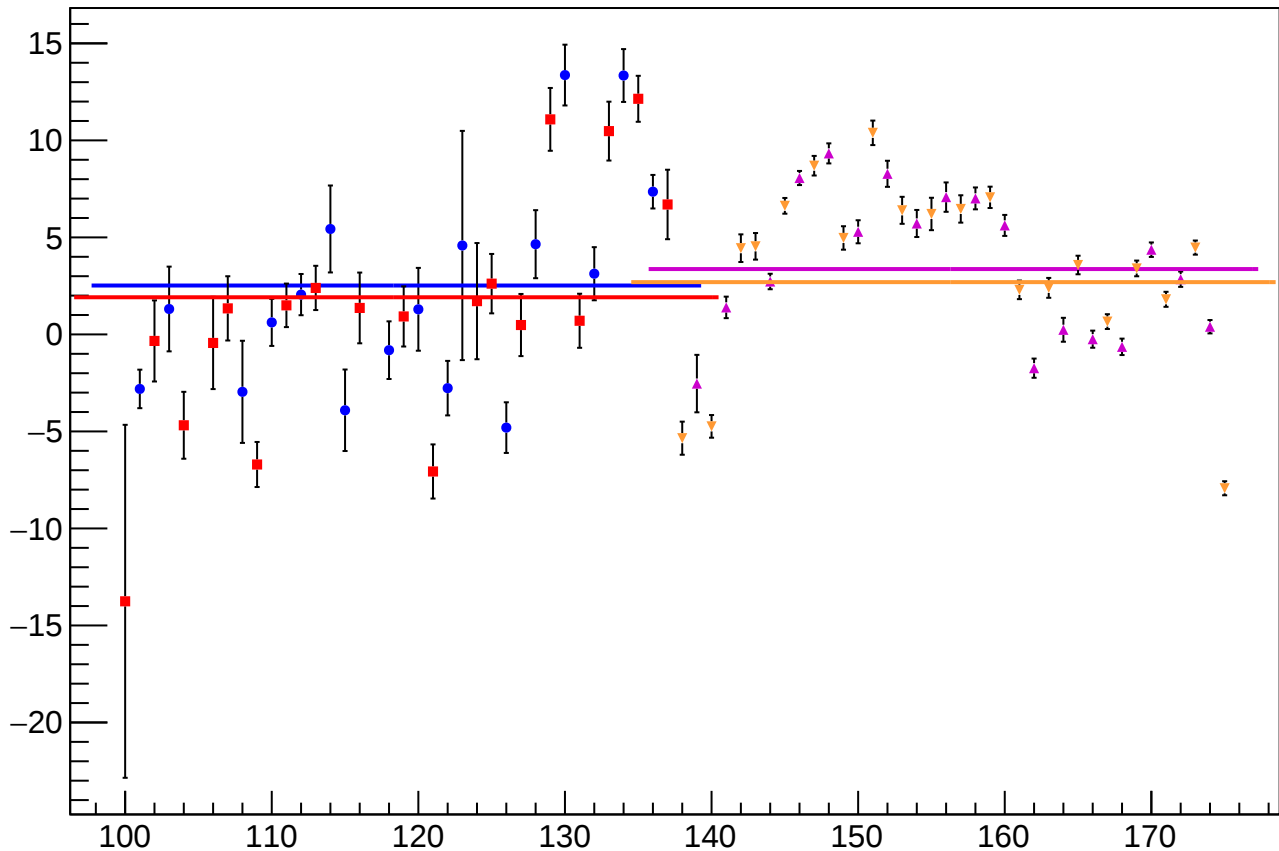
Left In: -52.528 ± 0.135 χ^2/NDF : 7263.9/17

+ sign -51.776 ± 0.128 χ^2/NDF : 10463.8/36

All: -52.280 ± 0.091 χ^2/NDF : 18308.6/73

- sign -52.810 ± 0.131 χ^2/NDF : 7812.9/36

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 2.694 ± 0.112 χ^2/NDF : 1726.7/19

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

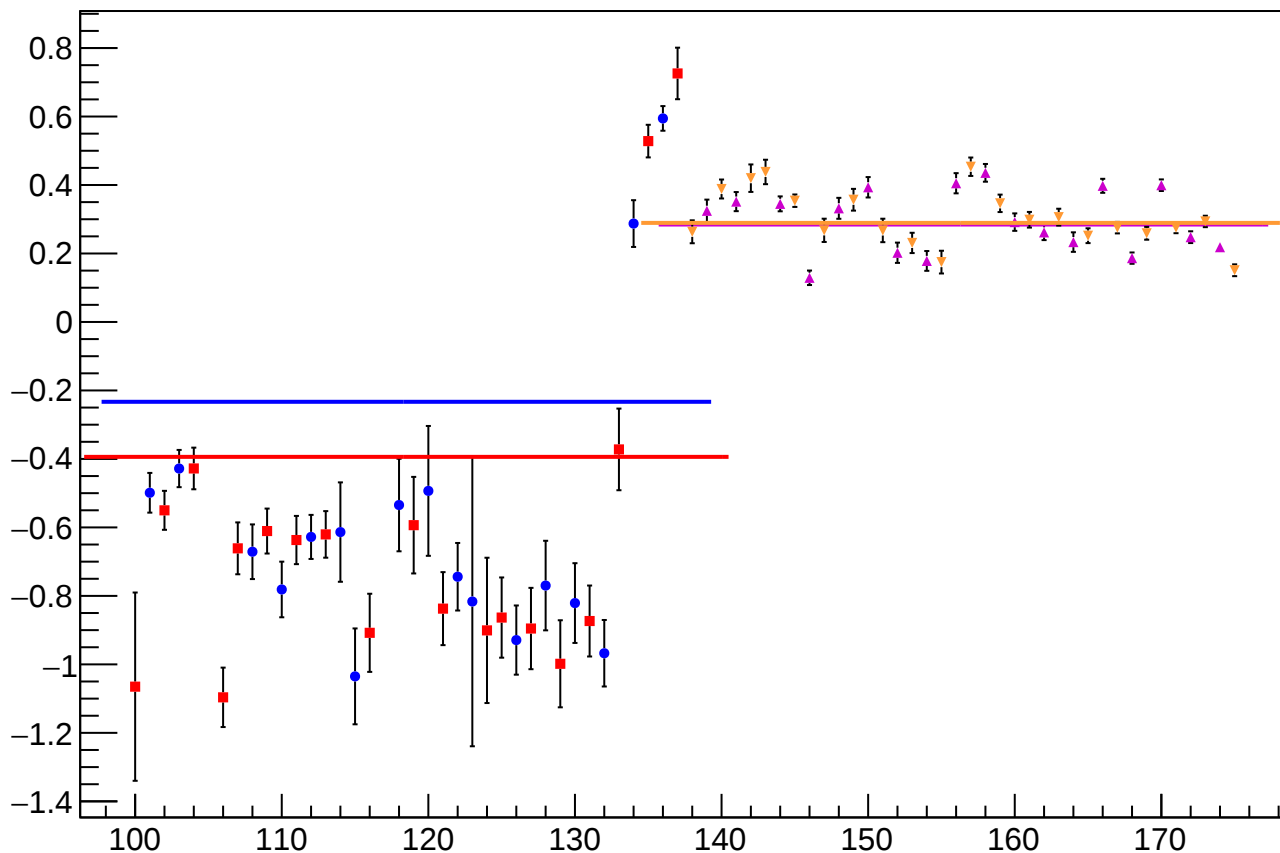
Left In: 3.368 ± 0.115 χ^2/NDF : 860.5/17

+ sign 2.678 ± 0.107 χ^2/NDF : 1969.3/36

All: 2.948 ± 0.076 χ^2/NDF : 3122.7/73

- sign 3.231 ± 0.109 χ^2/NDF : 1140.3/36

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.289 ± 0.005 χ^2/NDF : 189.3/19

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

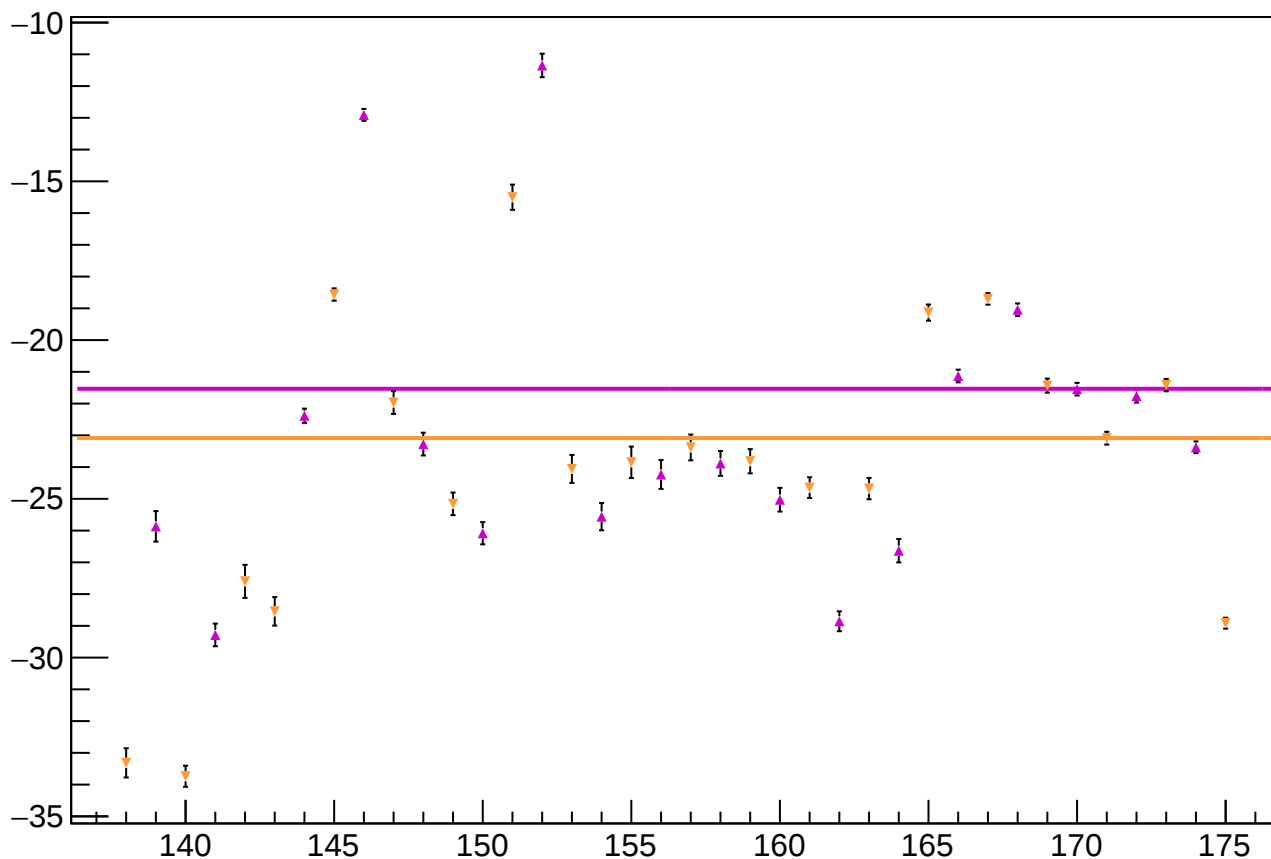
Left In: 0.285 ± 0.005 χ^2/NDF : 298.0/17

+ sign 0.253 ± 0.005 χ^2/NDF : 1856.5/36

All: 0.245 ± 0.004 χ^2/NDF : 4190.8/73

- sign 0.236 ± 0.005 χ^2/NDF : 2328.8/36

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -23.084 $\pm$ 0.062 χ^2/NDF : 4850.1/19

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

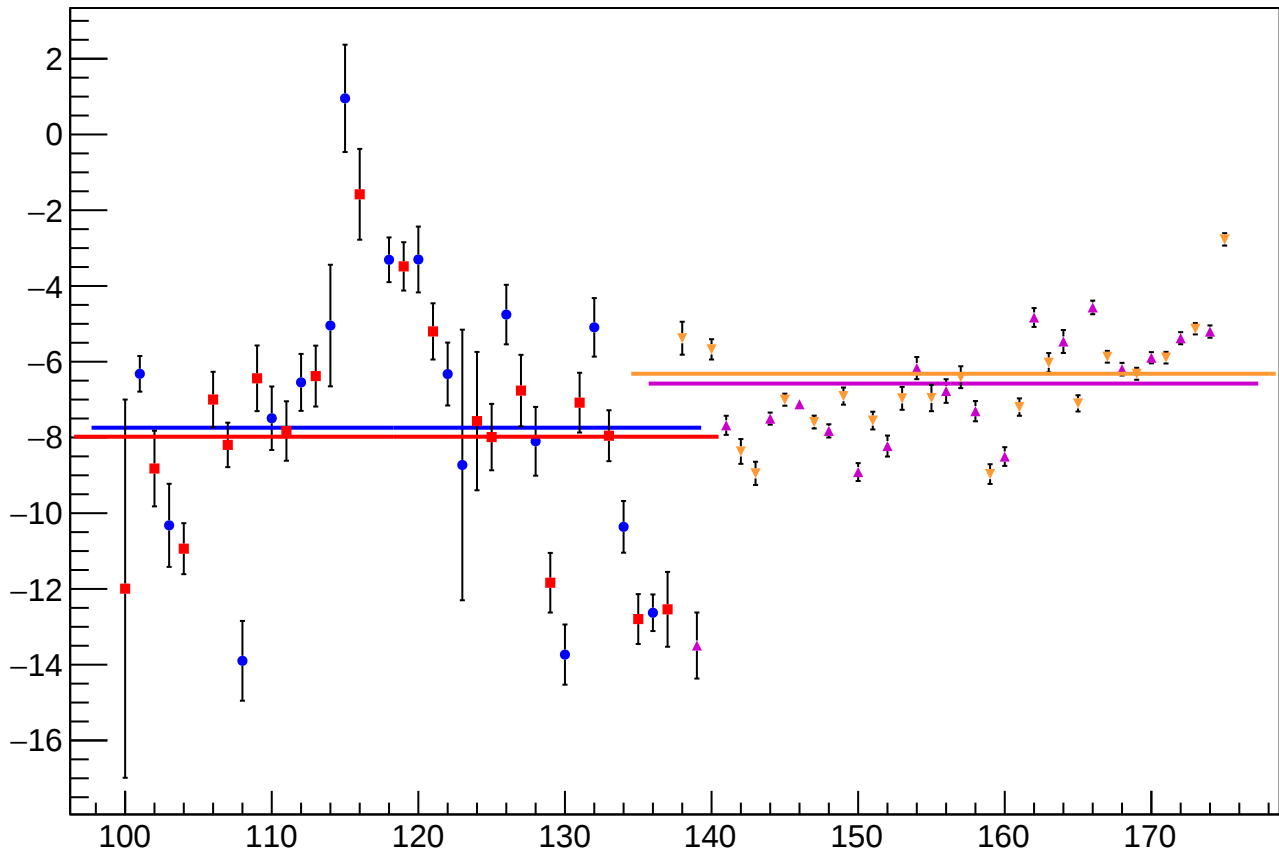
Left In: -21.533 $\pm$ 0.063 χ^2/NDF : 4884.9/17

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

All: -22.321 $\pm$ 0.044 χ^2/NDF : 10044.4/37

- sign 0.000 $\pm$ 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: -6.318 ± 0.047 χ^2/NDF : 918.2/19

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

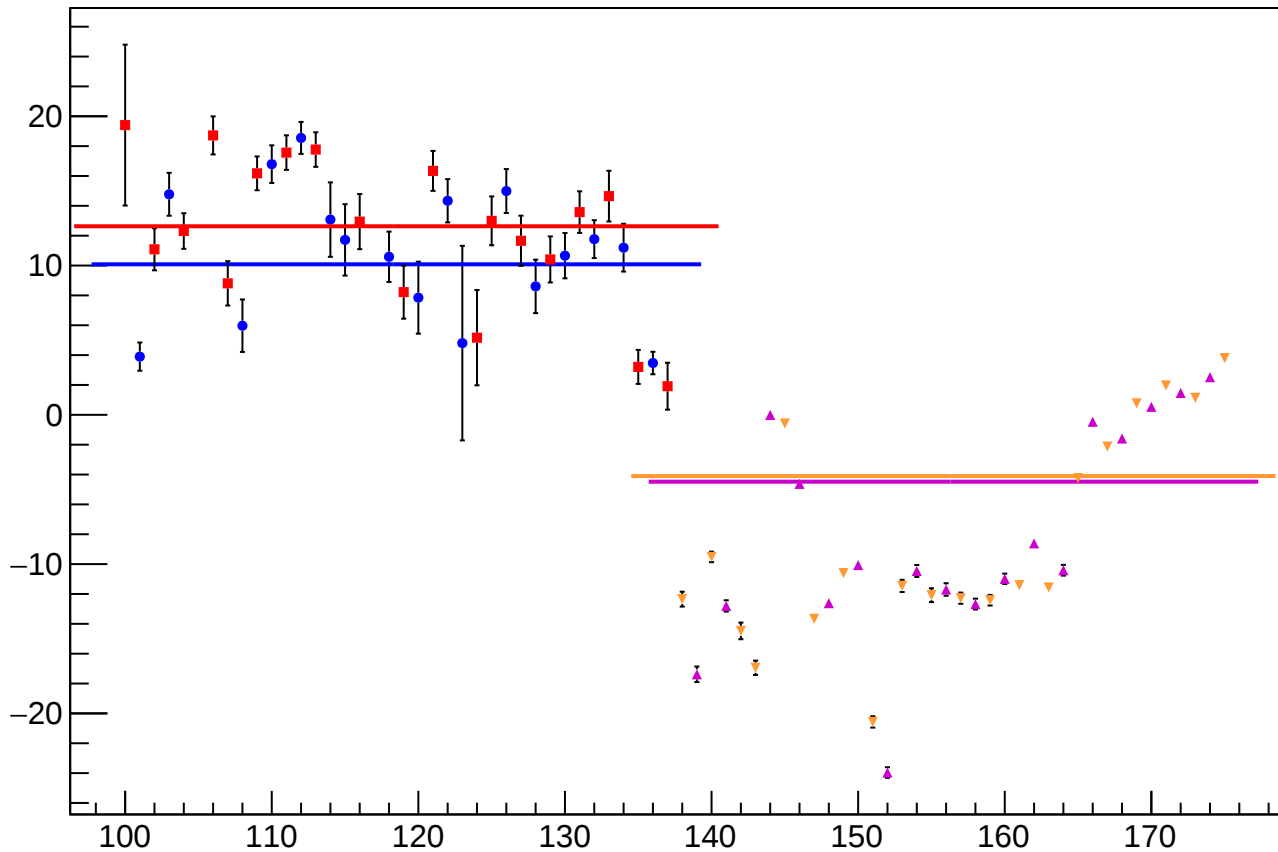
Left In: -6.578 ± 0.047 χ^2/NDF : 734.5/17

+ sign -6.402 ± 0.045 χ^2/NDF : 1350.3/36

All: -6.532 ± 0.032 χ^2/NDF : 2378.4/73

- sign -6.661 ± 0.045 χ^2/NDF : 1011.7/36

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$

Left Out: -4.102 ± 0.062 $\chi^2/\text{NDF}: 11910.9/19$

Right Out: 12.632 ± 0.333 $\chi^2/\text{NDF}: 218.6/18$

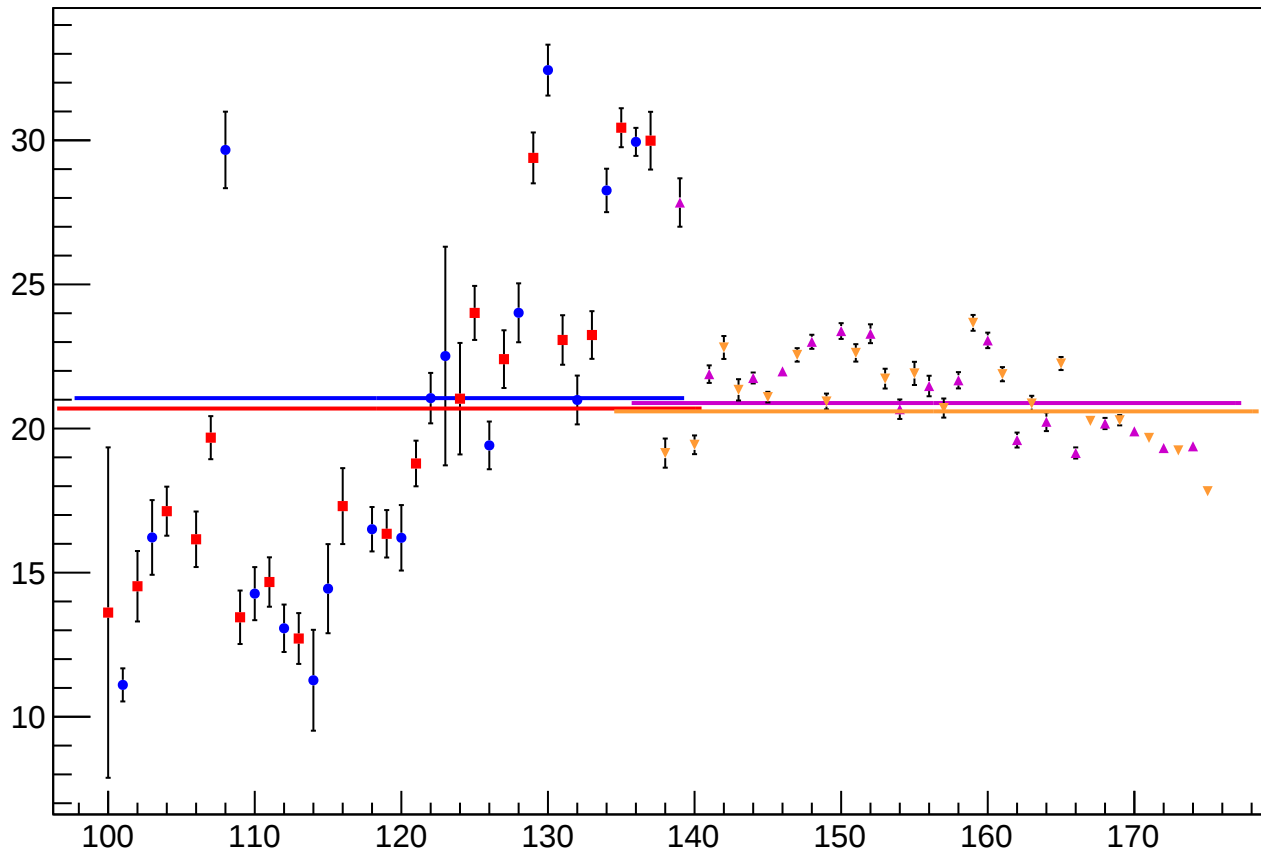
Left In: -4.478 ± 0.063 $\chi^2/\text{NDF}: 10413.7/17$

+ sign -3.640 ± 0.061 $\chi^2/\text{NDF}: 13868.3/36$

All: -3.761 ± 0.043 $\chi^2/\text{NDF}: 27062.5/73$

- sign -3.886 ± 0.062 $\chi^2/\text{NDF}: 13186.2/36$

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: 20.596 $\pm$ 0.053 χ^2 /NDF: 772.0/19

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

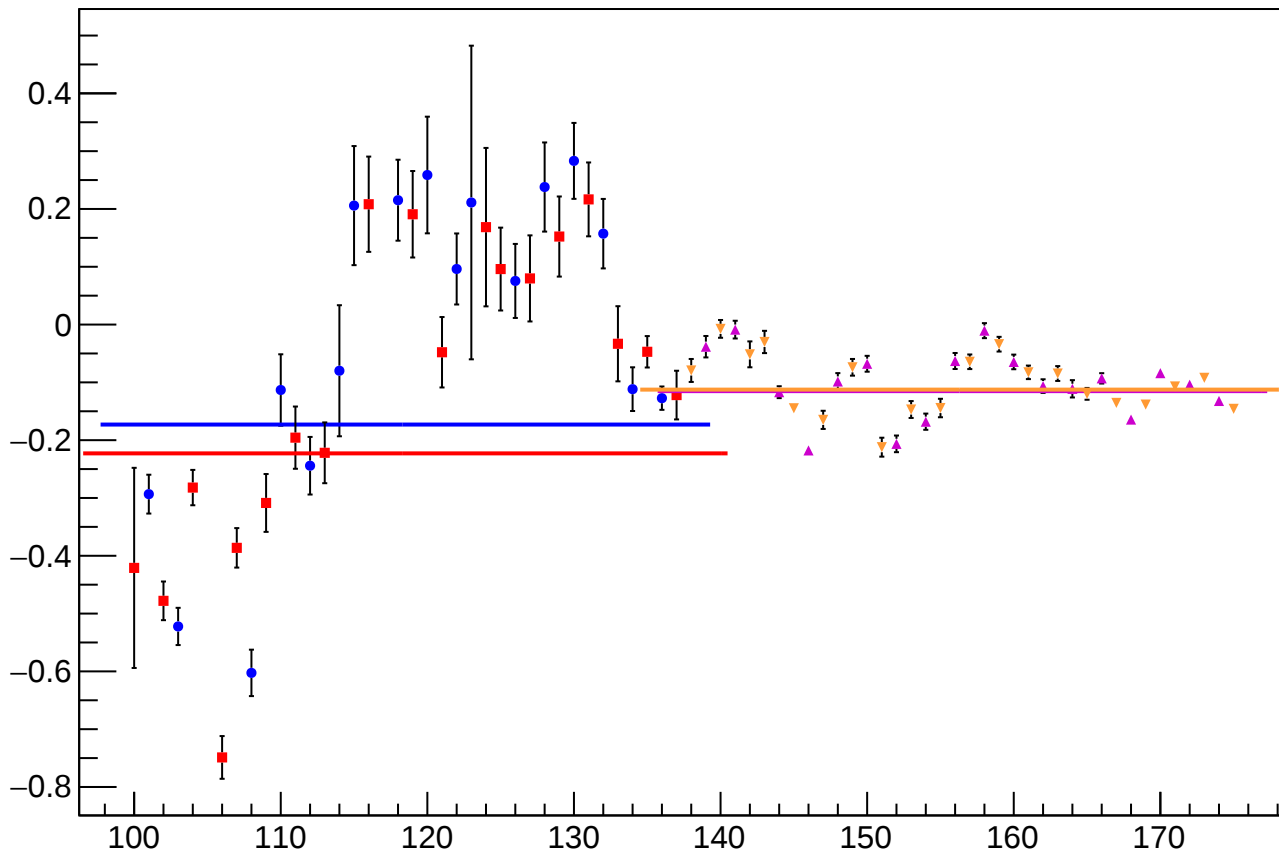
Left In: 20.884 $\pm$ 0.053 χ^2 /NDF: 761.1/17

+ sign 20.623 $\pm$ 0.051 χ^2 /NDF: 1988.2/36

All: 20.747 $\pm$ 0.036 χ^2 /NDF: 3486.0/73

- sign 20.873 $\pm$ 0.052 χ^2 /NDF: 1486.0/36

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.113 ± 0.002 χ^2/NDF : 263.9/19

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

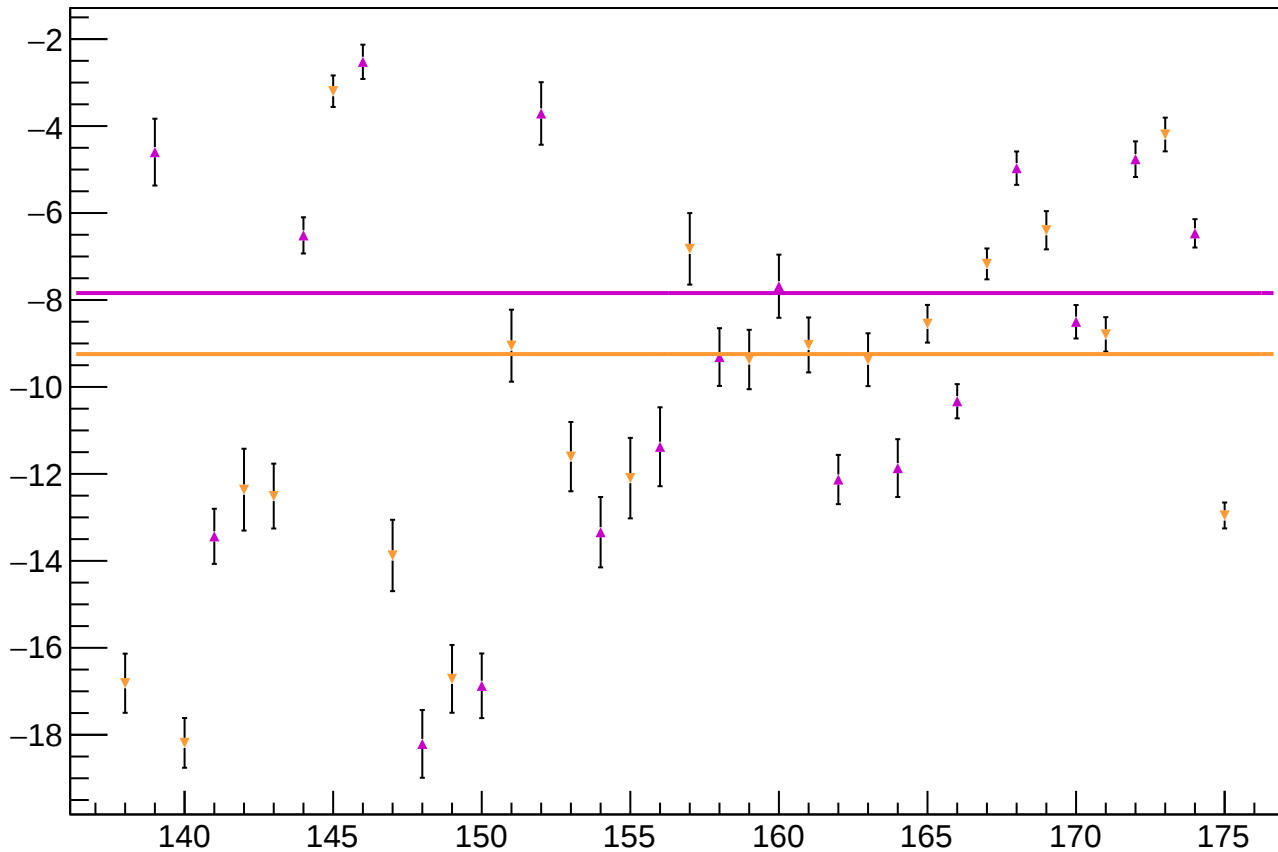
Left In: -0.115 ± 0.002 χ^2/NDF : 450.4/17

+ sign -0.115 ± 0.002 χ^2/NDF : 753.5/36

All: -0.118 ± 0.002 χ^2/NDF : 1833.2/73

- sign -0.120 ± 0.002 χ^2/NDF : 1077.4/36

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.244 $\pm$ 0.116 χ^2 /NDF:1231.8/19

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

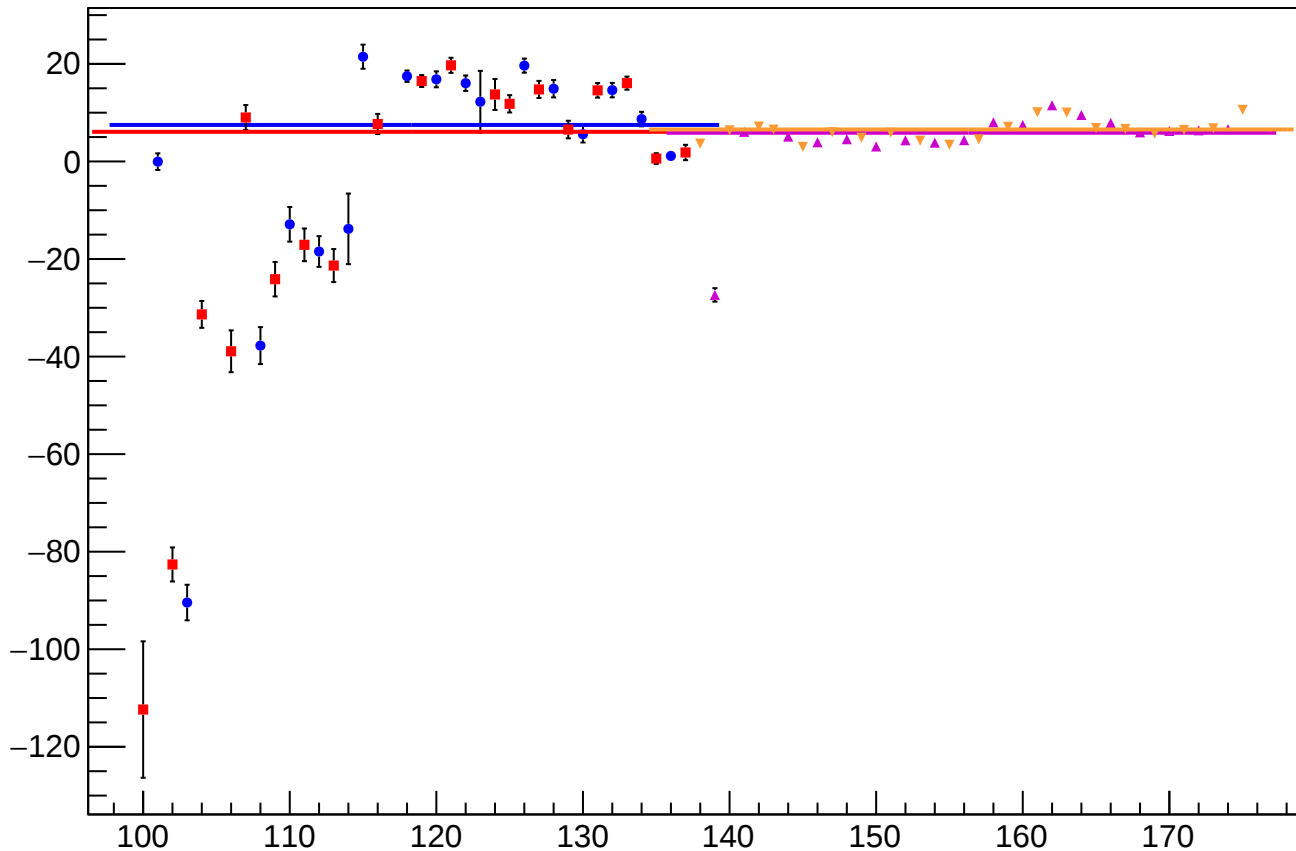
Left In: -7.840 $\pm$ 0.120 χ^2 /NDF:978.7/17

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

All: -8.568 $\pm$ 0.083 χ^2 /NDF: 2281.5/37

- sign 0.000 $\pm$ 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: 6.553 ± 0.089 χ^2/NDF : 572.0/19

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

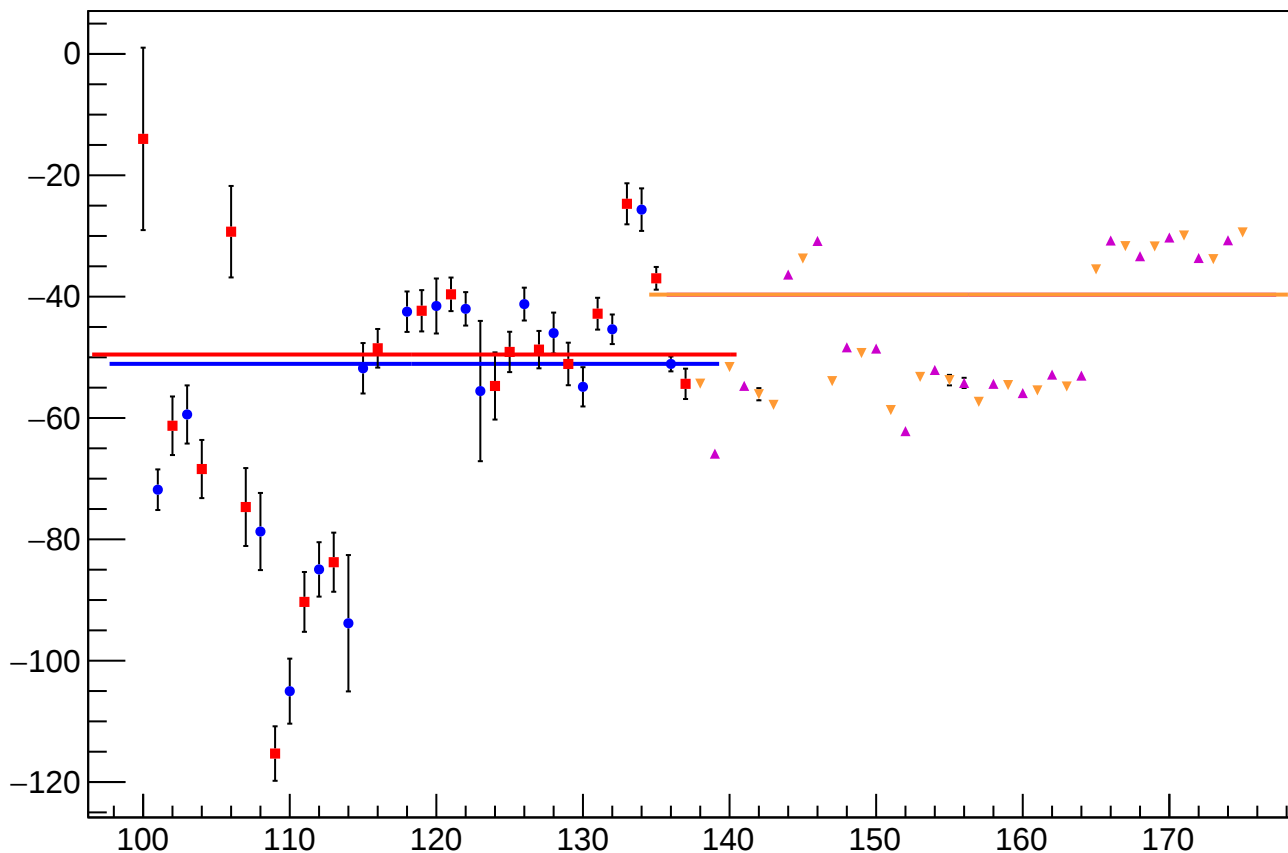
Left In: 5.887 ± 0.090 χ^2/NDF : 994.6/17

+ sign 6.595 ± 0.087 χ^2/NDF : 1917.6/36

All: 6.252 ± 0.062 χ^2/NDF : 4456.5/73

- sign 5.895 ± 0.088 χ^2/NDF : 2506.9/36

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -39.664 ± 0.116 χ^2/NDF : 8839.8/19

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

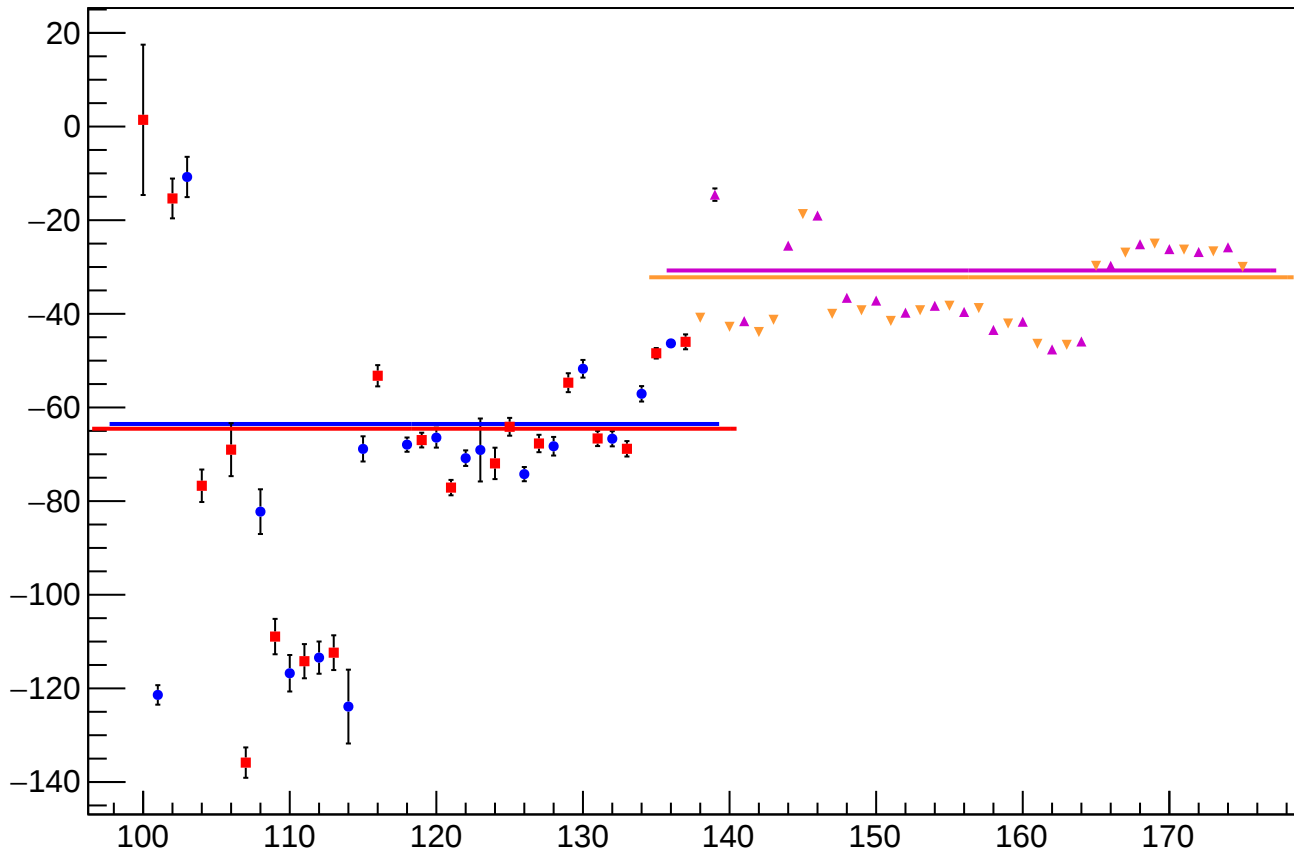
Left In: -39.686 ± 0.121 χ^2/NDF : 8404.9/17

+ sign -39.939 ± 0.115 χ^2/NDF : 9401.6/36

All: -39.923 ± 0.083 χ^2/NDF : 18465.0/73

- sign -39.906 ± 0.119 χ^2/NDF : 9063.3/36

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -32.195 ± 0.100 χ^2/NDF : 7034.1/19

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

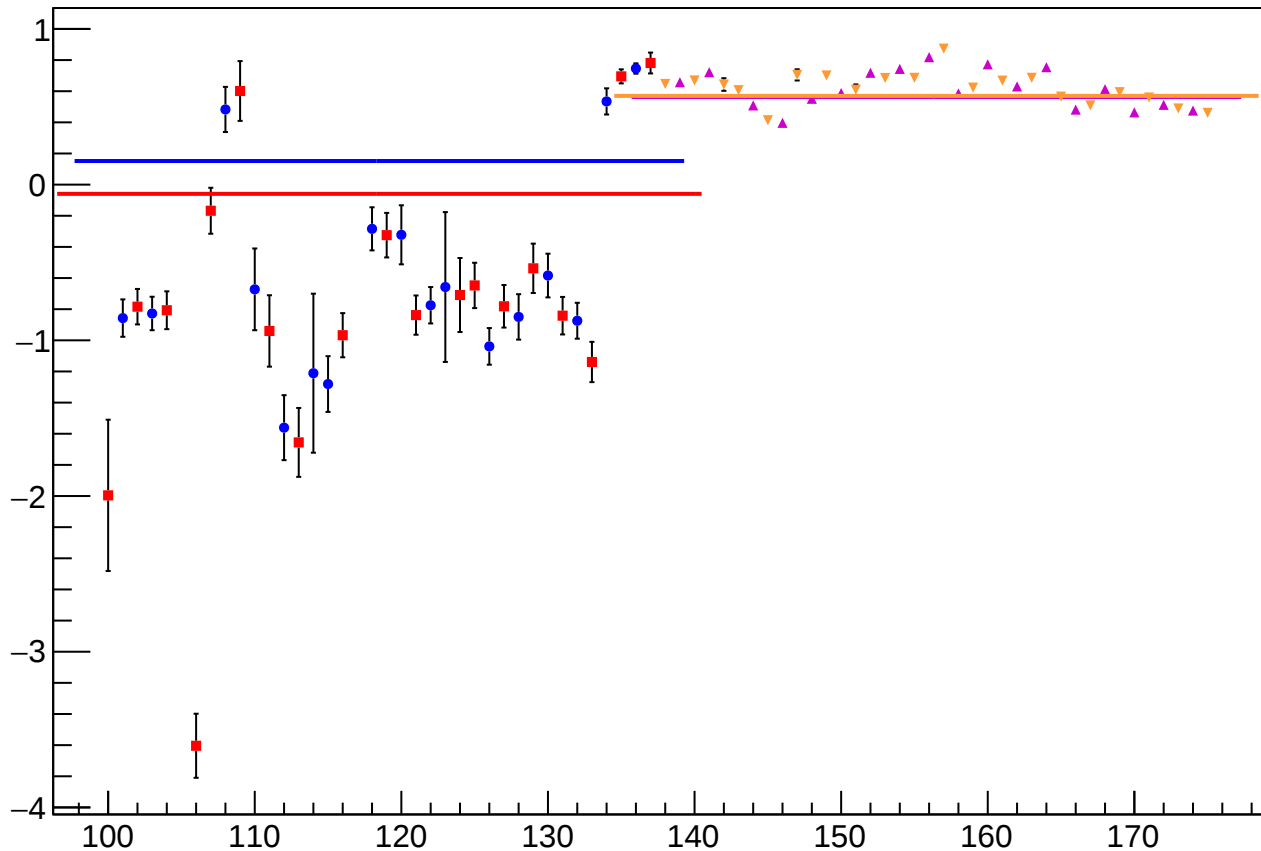
Left In: -30.738 ± 0.103 χ^2/NDF : 6840.6/17

+ sign -33.670 ± 0.097 χ^2/NDF : 13691.7/36

All: -32.960 ± 0.070 χ^2/NDF : 26931.4/73

- sign -32.203 ± 0.101 χ^2/NDF : 13129.9/36

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: 0.570 ± 0.005 $\chi^2/\text{NDF}: 496.2/19$

Right Out: -0.059 ± 0.026 $\chi^2/\text{NDF}: 1161.9/18$

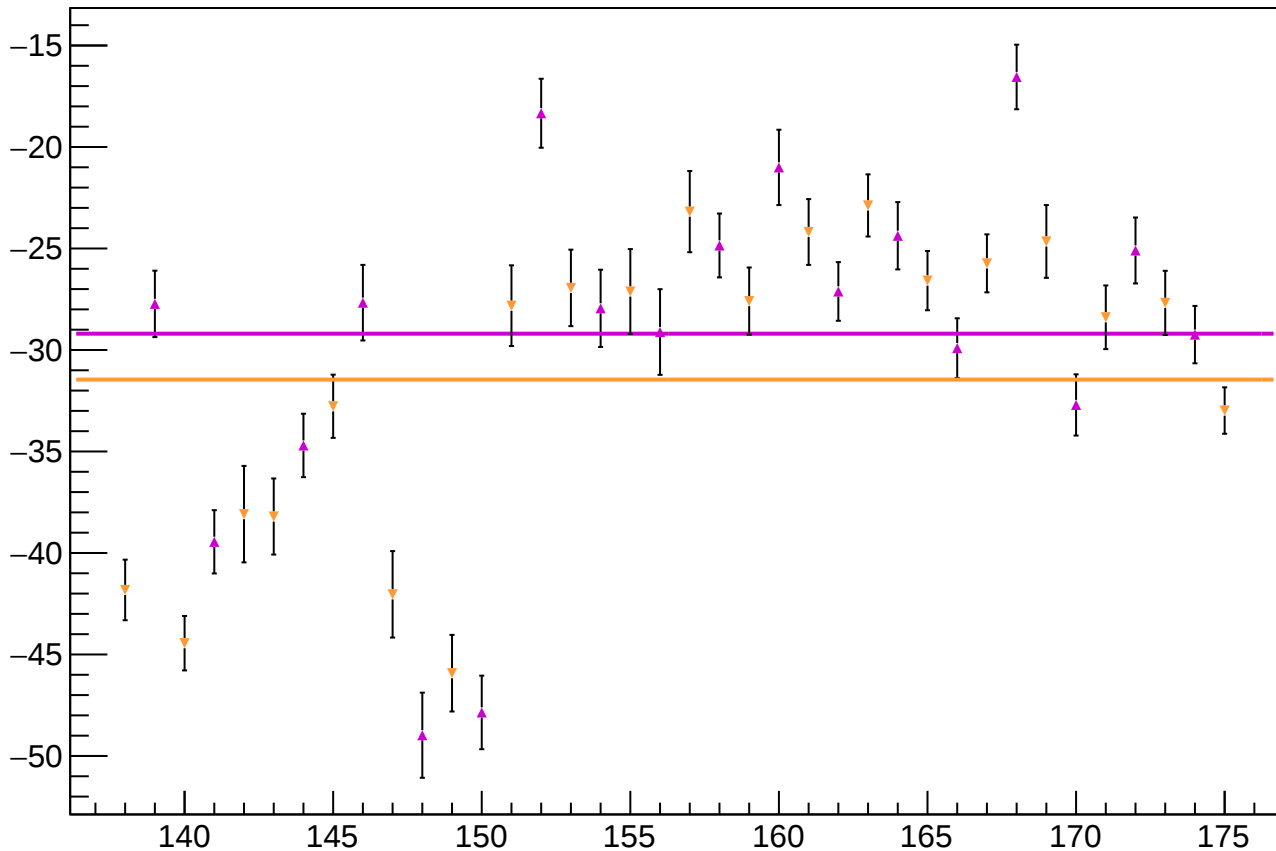
Left In: 0.562 ± 0.005 $\chi^2/\text{NDF}: 575.3/17$

+ sign 0.555 ± 0.005 $\chi^2/\text{NDF}: 1775.9/36$

All: 0.549 ± 0.003 $\chi^2/\text{NDF}: 4058.2/73$

- sign 0.543 ± 0.005 $\chi^2/\text{NDF}: 2278.8/36$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.459 $\pm$ 0.367 χ^2 /NDF:387.2/19

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

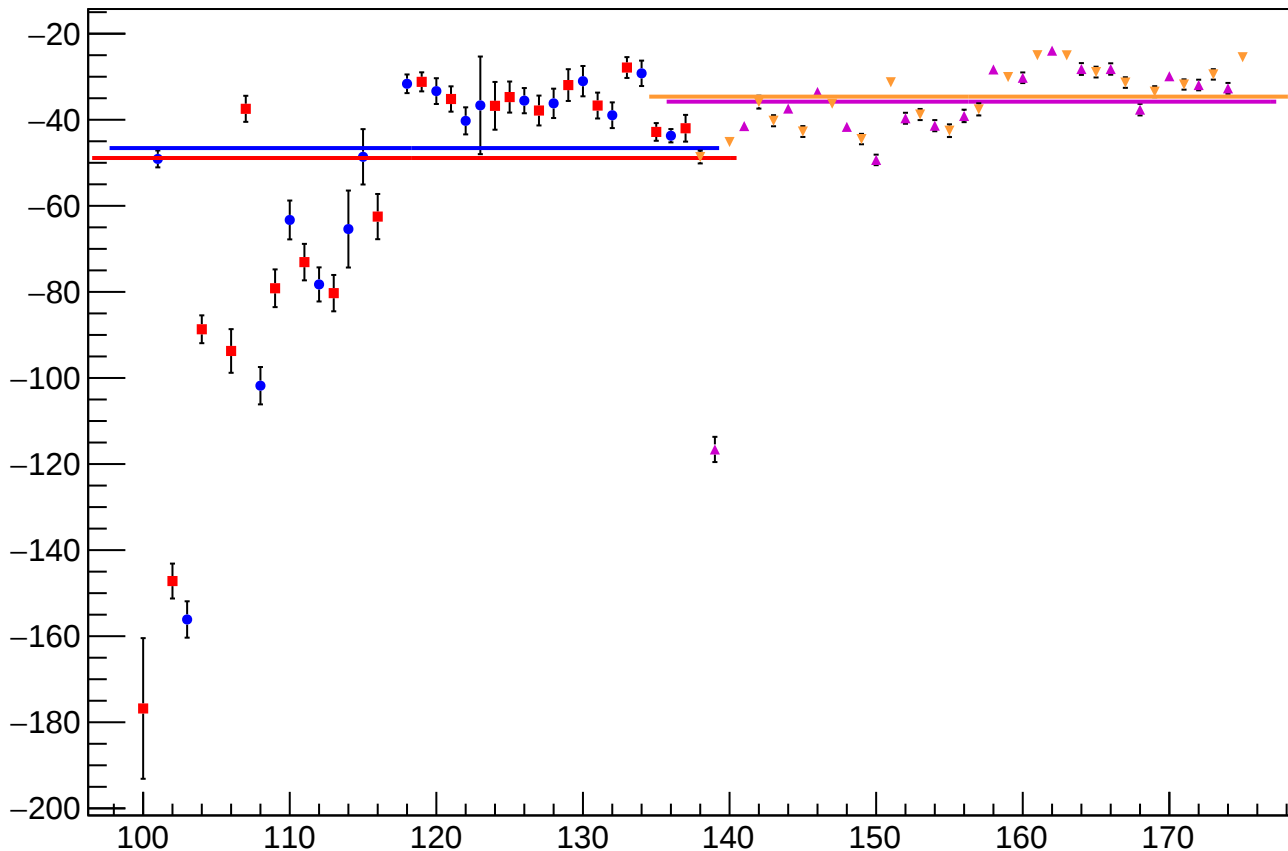
Left In: -29.197 $\pm$ 0.390 χ^2 /NDF:406.3/17

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

All: -30.395 $\pm$ 0.267 χ^2 /NDF: 811.4/37

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

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -34.626 ± 0.274 $\chi^2/\text{NDF}: 640.0/19$

Right Out: -48.888 ± 0.763 $\chi^2/\text{NDF}: 1277.5/18$

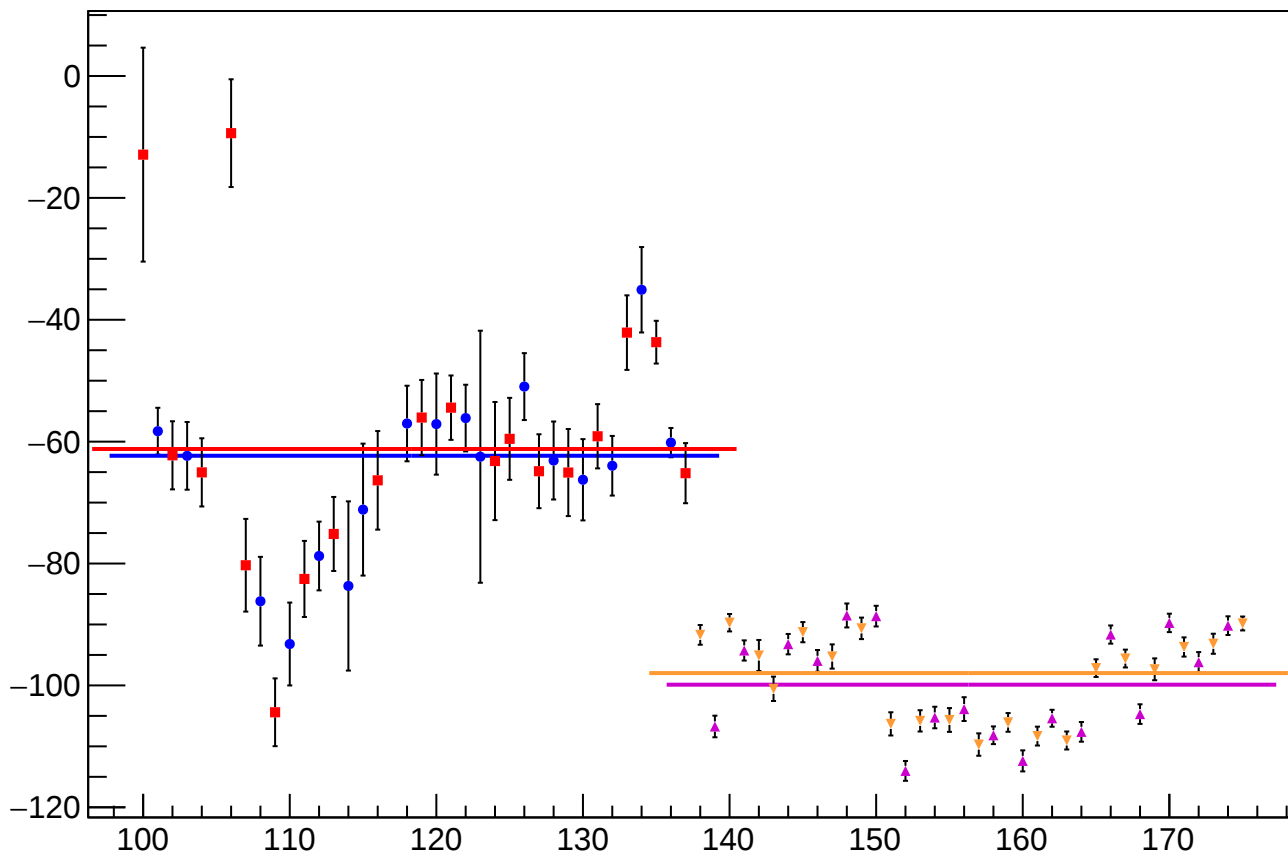
Left In: -35.796 ± 0.291 $\chi^2/\text{NDF}: 1262.2/17$

+ sign -36.105 ± 0.257 $\chi^2/\text{NDF}: 1951.5/36$

All: -36.743 ± 0.187 $\chi^2/\text{NDF}: 4761.1/73$

- sign -37.459 ± 0.272 $\chi^2/\text{NDF}: 2796.4/36$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -97.975 ± 0.366 $\chi^2/\text{NDF}: 380.8/19$

Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$

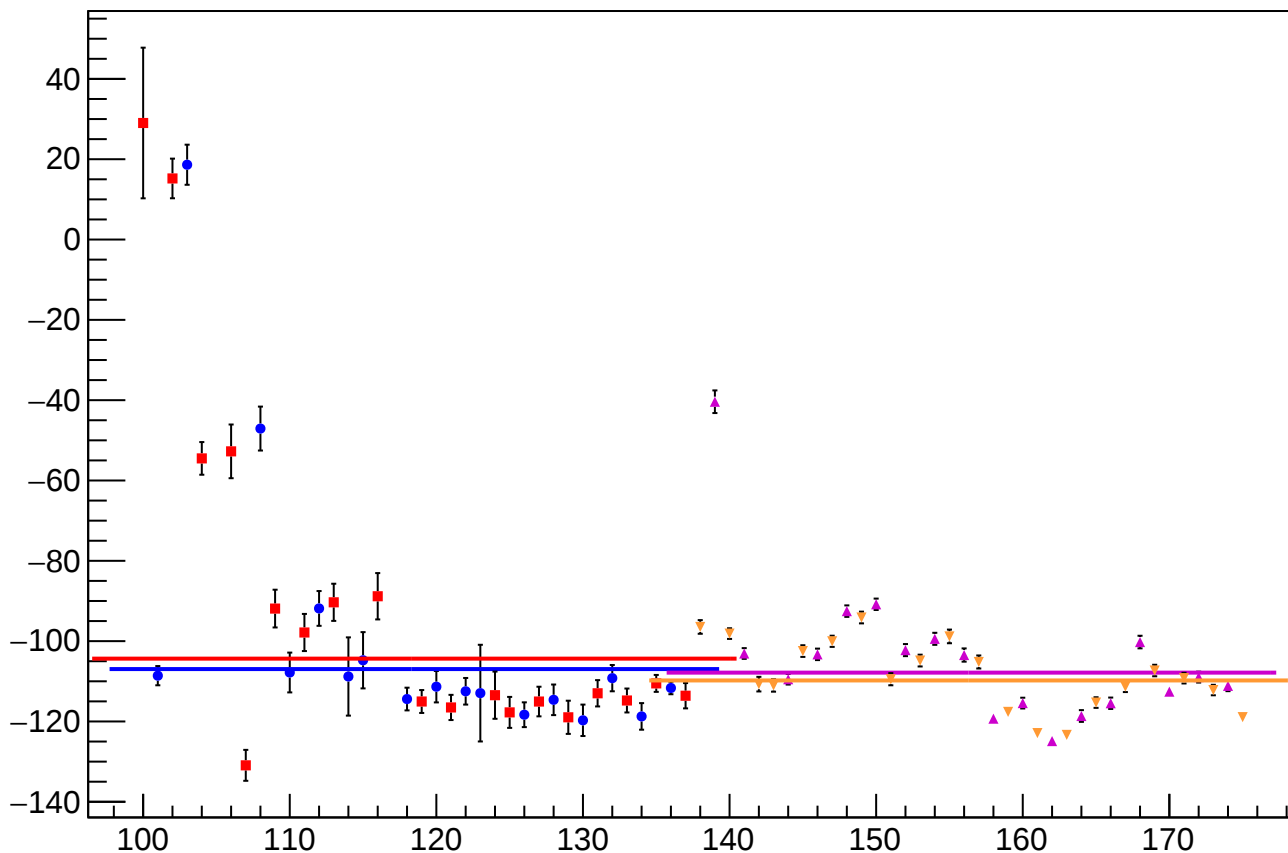
Left In: -99.882 ± 0.387 $\chi^2/\text{NDF}: 466.7/17$

+ sign -95.414 ± 0.353 $\chi^2/\text{NDF}: 1129.9/36$

All: -96.198 ± 0.256 $\chi^2/\text{NDF}: 2499.5/73$

- sign -97.071 ± 0.372 $\chi^2/\text{NDF}: 1359.2/36$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -109.787 ± 0.312 χ^2/NDF : 759.6/19

Right Out: -104.356 ± 0.861 χ^2/NDF : 1021.0/18

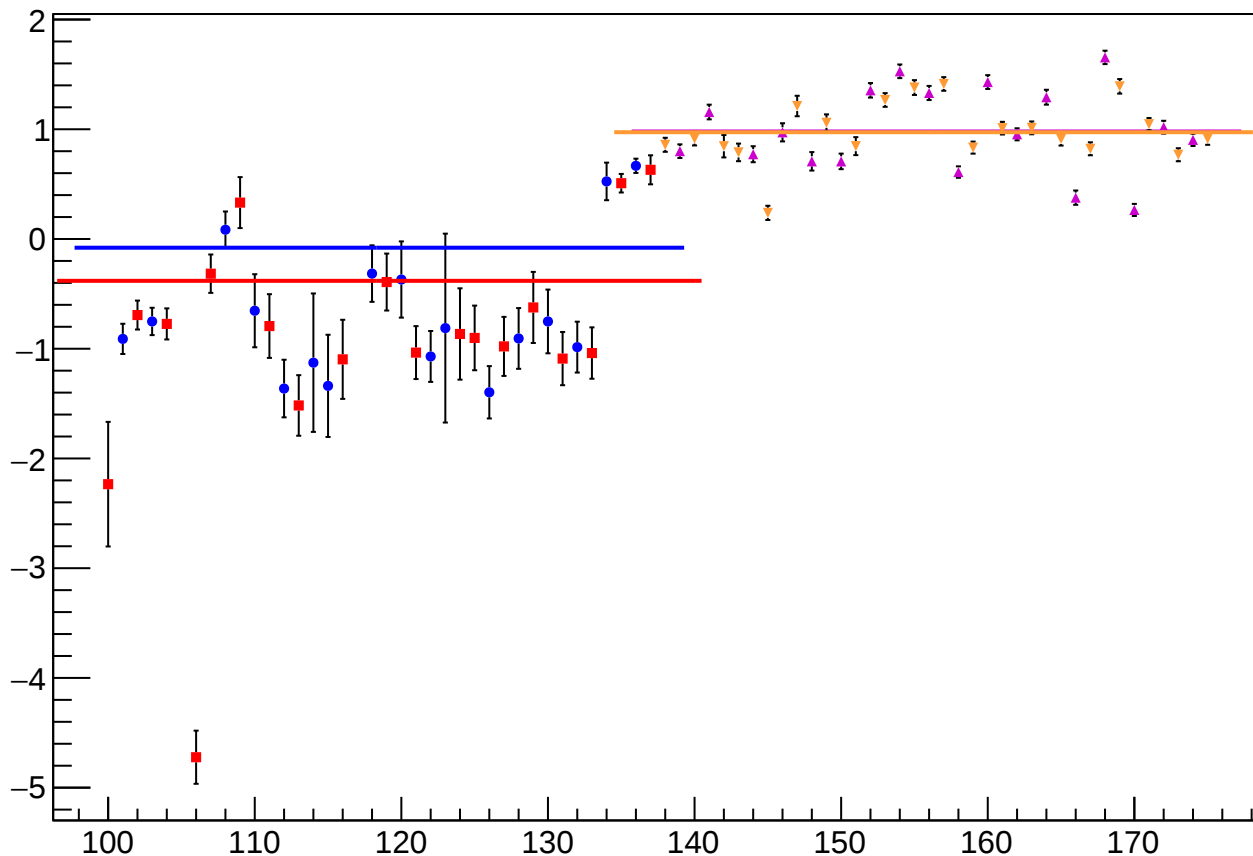
Left In: -107.841 ± 0.331 χ^2/NDF : 1369.9/17

+ sign -109.426 ± 0.291 χ^2/NDF : 1597.3/36

All: -108.468 ± 0.212 χ^2/NDF : 4025.4/73

- sign -107.394 ± 0.309 χ^2/NDF : 2405.1/36

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 $\chi^2/\text{NDF}: 328.5/16$

Left Out: 0.973 ± 0.014 $\chi^2/\text{NDF}: 327.6/19$

Right Out: -0.381 ± 0.044 $\chi^2/\text{NDF}: 580.5/18$

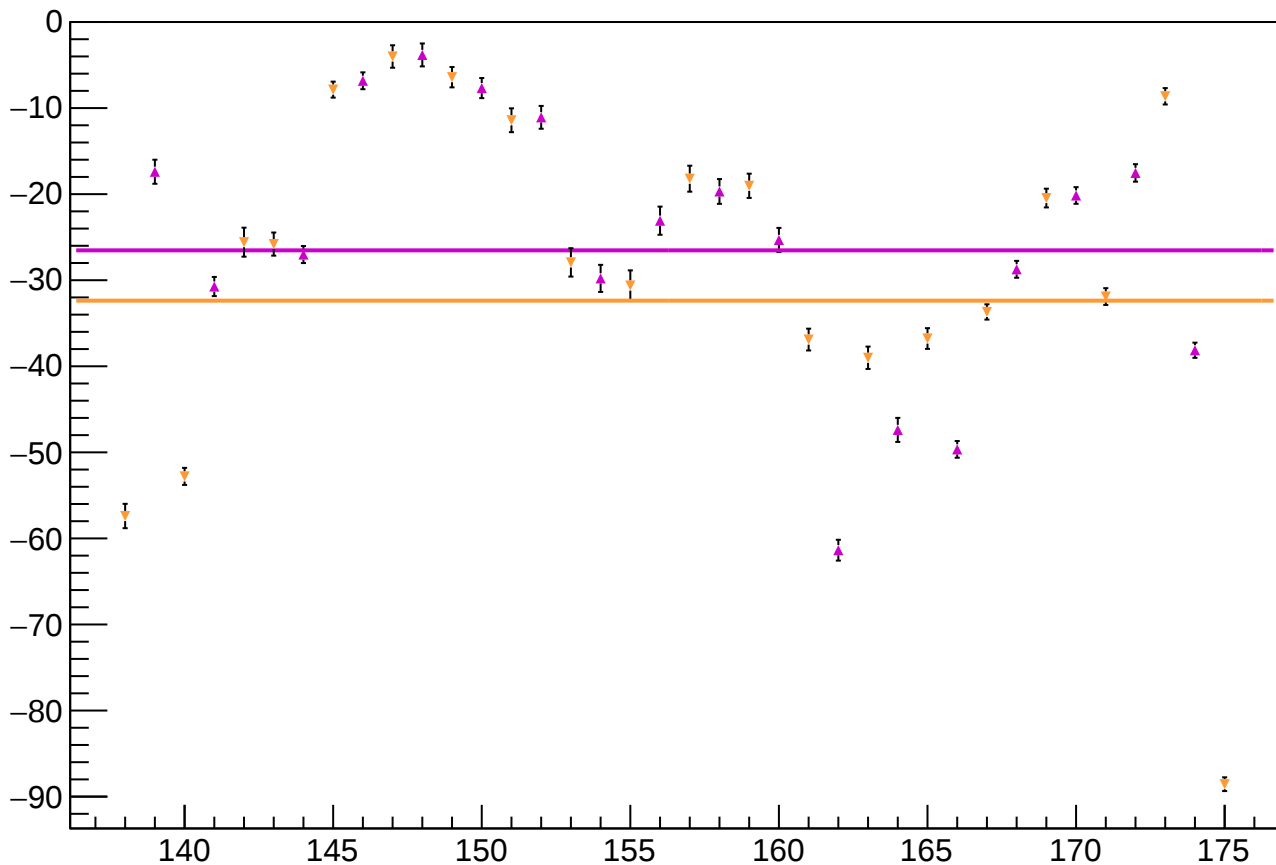
Left In: 0.980 ± 0.015 $\chi^2/\text{NDF}: 689.1/17$

+ sign 0.863 ± 0.014 $\chi^2/\text{NDF}: 1211.4/36$

All: 0.852 ± 0.010 $\chi^2/\text{NDF}: 3340.2/73$

- sign 0.840 ± 0.014 $\chi^2/\text{NDF}: 2127.4/36$

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -32.374+/-0.260 χ^2/NDF : 8574.5/19

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

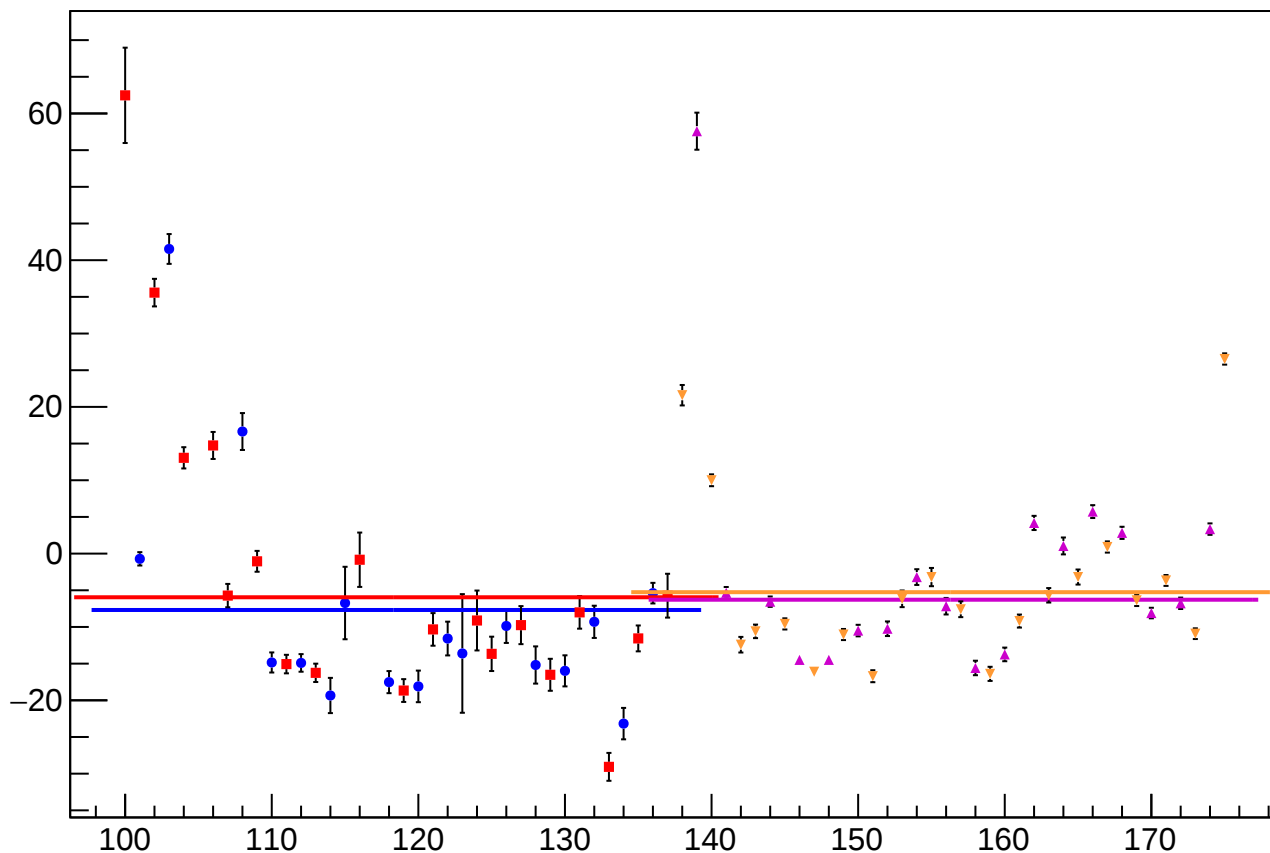
Left In: -26.530+/-0.271 χ^2/NDF : 3100.4/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -29.569+/-0.188 χ^2/NDF : 11917.1/37

- 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: -5.259 ± 0.192 χ^2/NDF : 3405.1/19

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

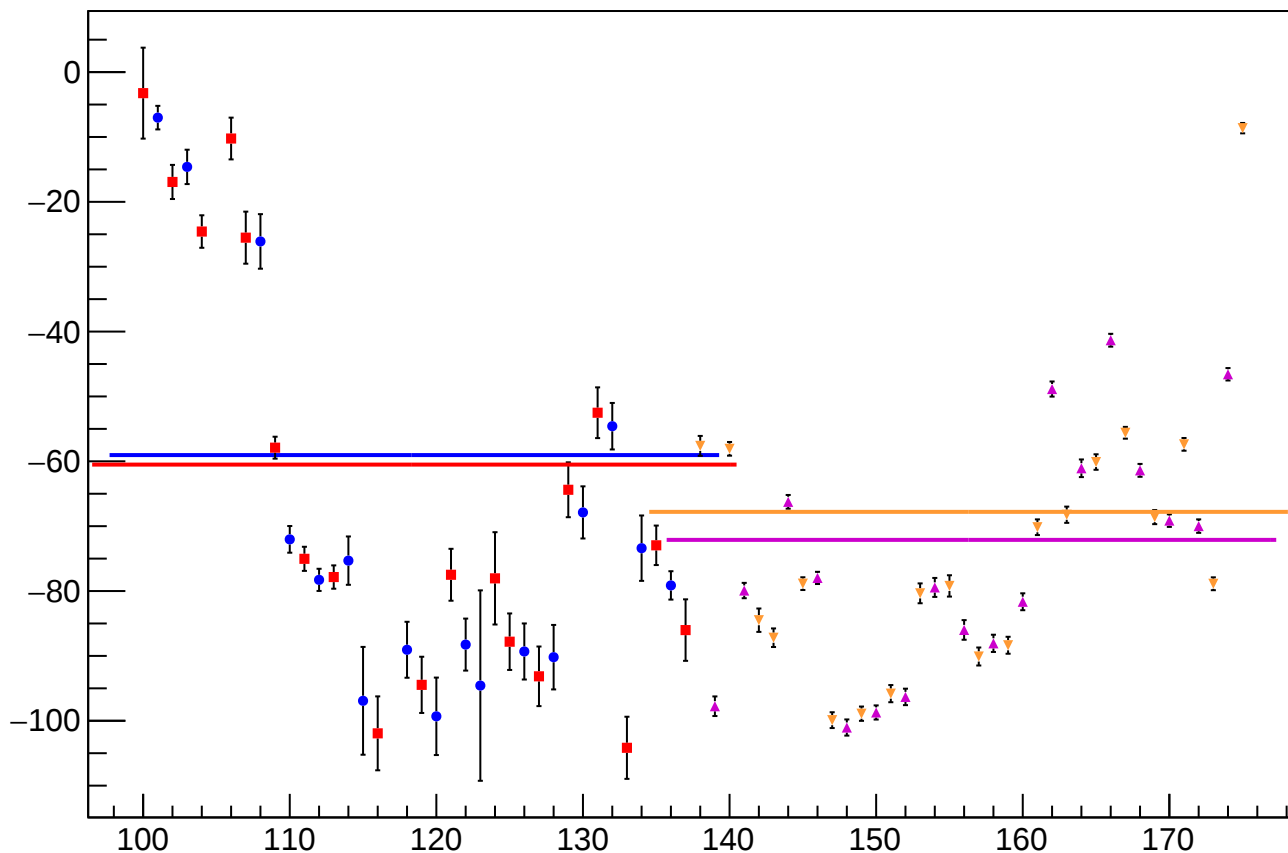
Left In: -6.288 ± 0.200 χ^2/NDF : 1808.6/17

+ sign -5.664 ± 0.176 χ^2/NDF : 4407.6/36

All: -5.937 ± 0.126 χ^2/NDF : 7519.8/73

- sign -6.228 ± 0.181 χ^2/NDF : 3107.2/36

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -67.793 ± 0.260 χ^2/NDF : 9004.7/19

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

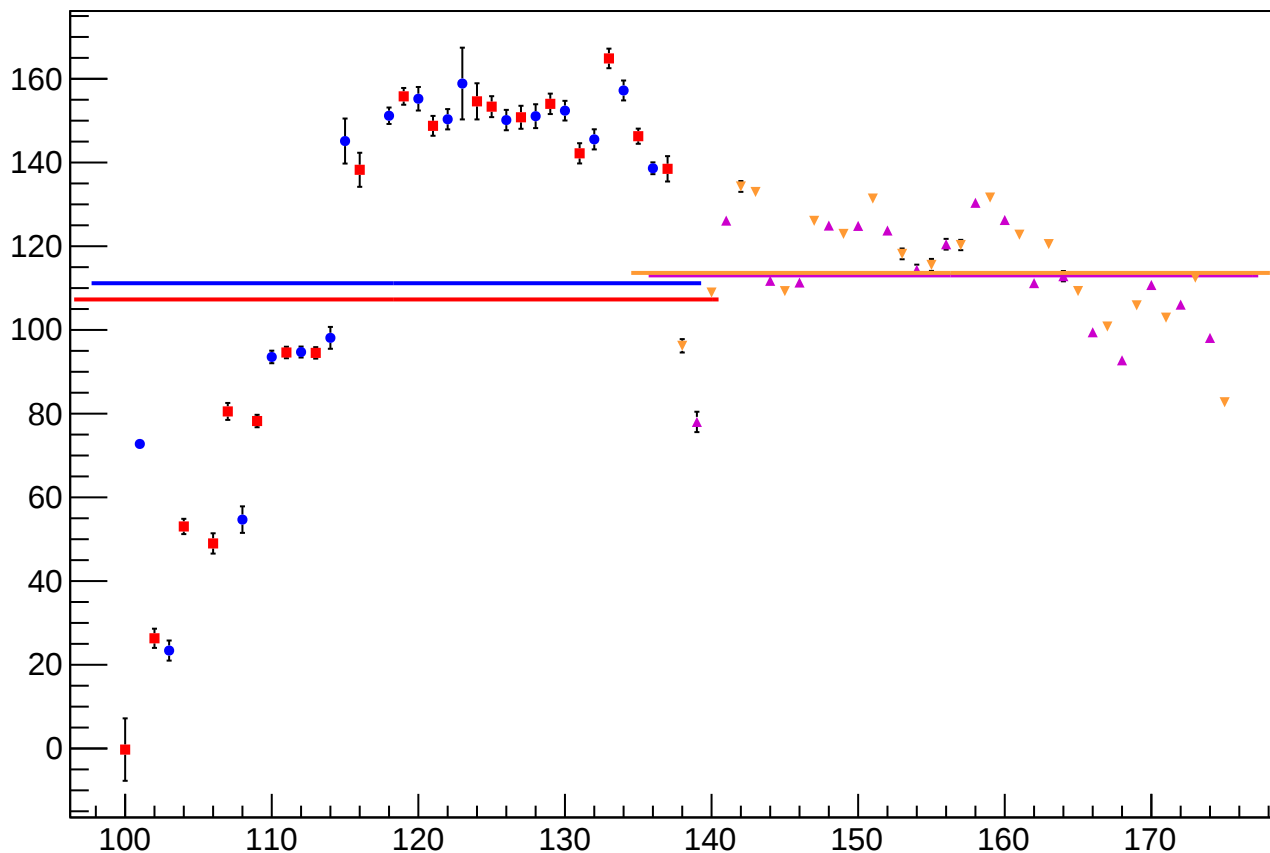
Left In: -72.112 ± 0.270 χ^2/NDF : 4477.6/17

+ sign -66.845 ± 0.245 χ^2/NDF : 10837.1/36

All: -68.685 ± 0.176 χ^2/NDF : 17051.8/73

- sign -70.626 ± 0.252 χ^2/NDF : 6099.1/36

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 113.625 $\pm$ 0.220 χ^2 /NDF: 3787.0/19

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

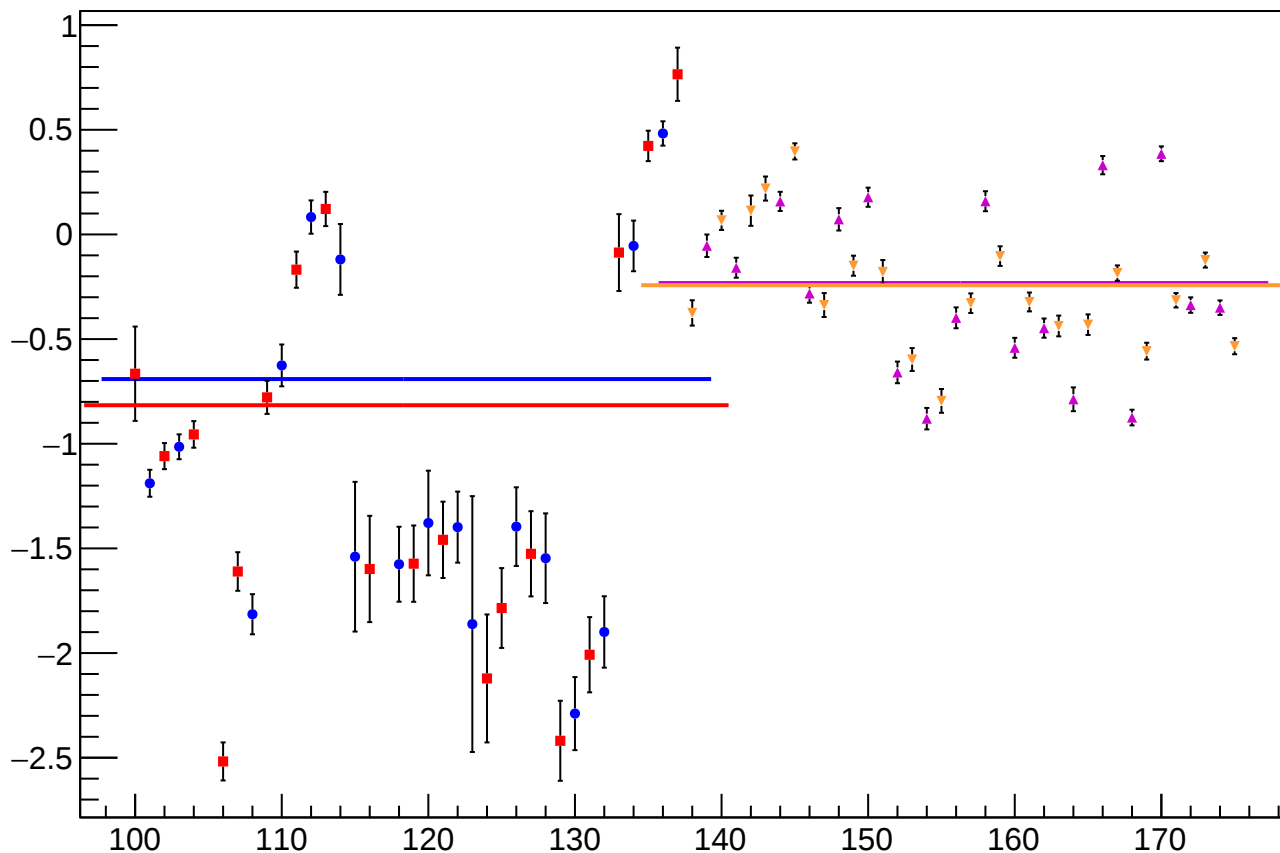
Left In: 113.034 $\pm$ 0.229 χ^2 /NDF: 2369.7/17

+ sign 113.209 $\pm$ 0.201 χ^2 /NDF: 9685.8/36

All: 112.621 $\pm$ 0.144 χ^2 /NDF: 19242.1/73

- sign 111.993 $\pm$ 0.208 χ^2 /NDF: 9538.6/36

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.243 ± 0.010 χ^2/NDF : 740.4/19

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

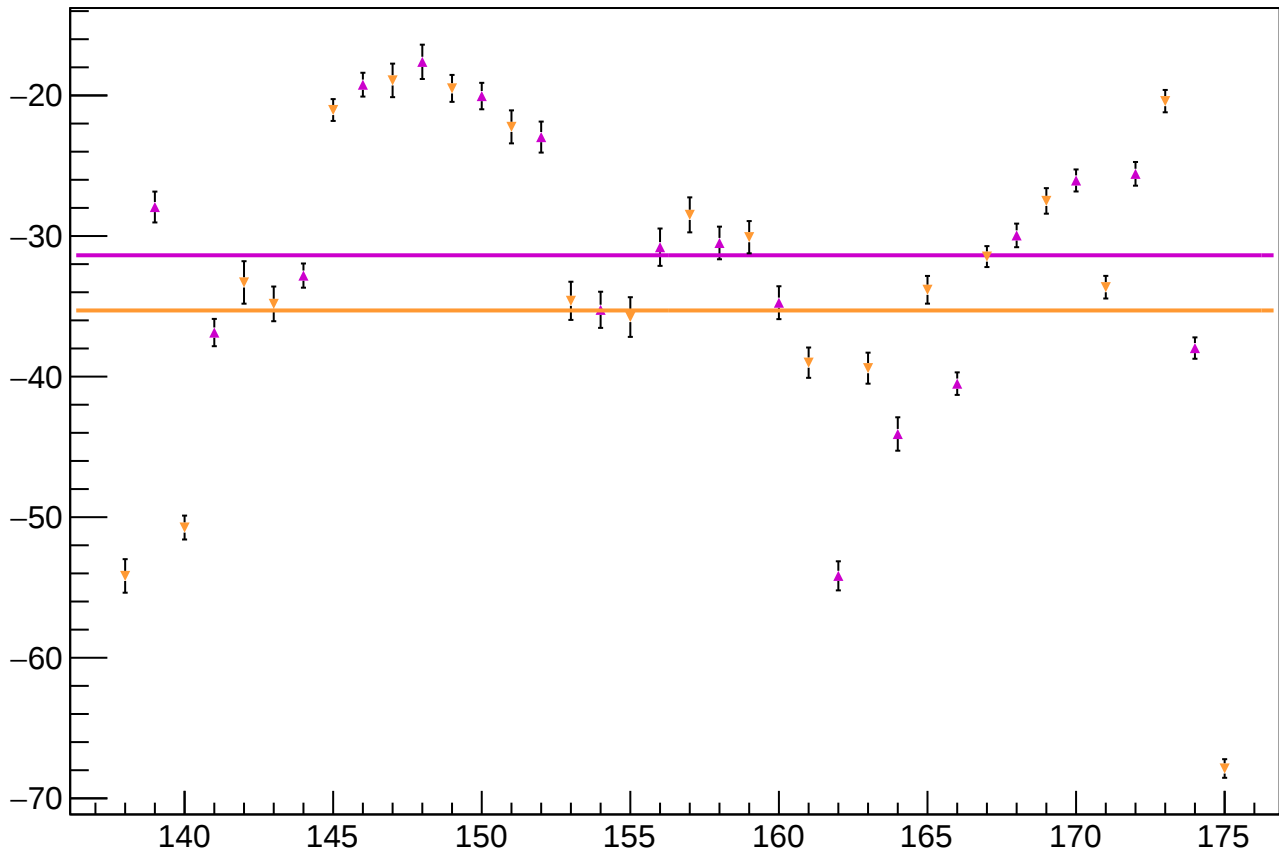
Left In: -0.232 ± 0.011 χ^2/NDF : 1452.8/17

+ sign -0.304 ± 0.010 χ^2/NDF : 1991.7/36

All: -0.314 ± 0.007 χ^2/NDF : 5235.0/73

- sign -0.324 ± 0.010 χ^2/NDF : 3241.1/36

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -35.295+/-0.219 χ^2/NDF : 4456.9/19

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

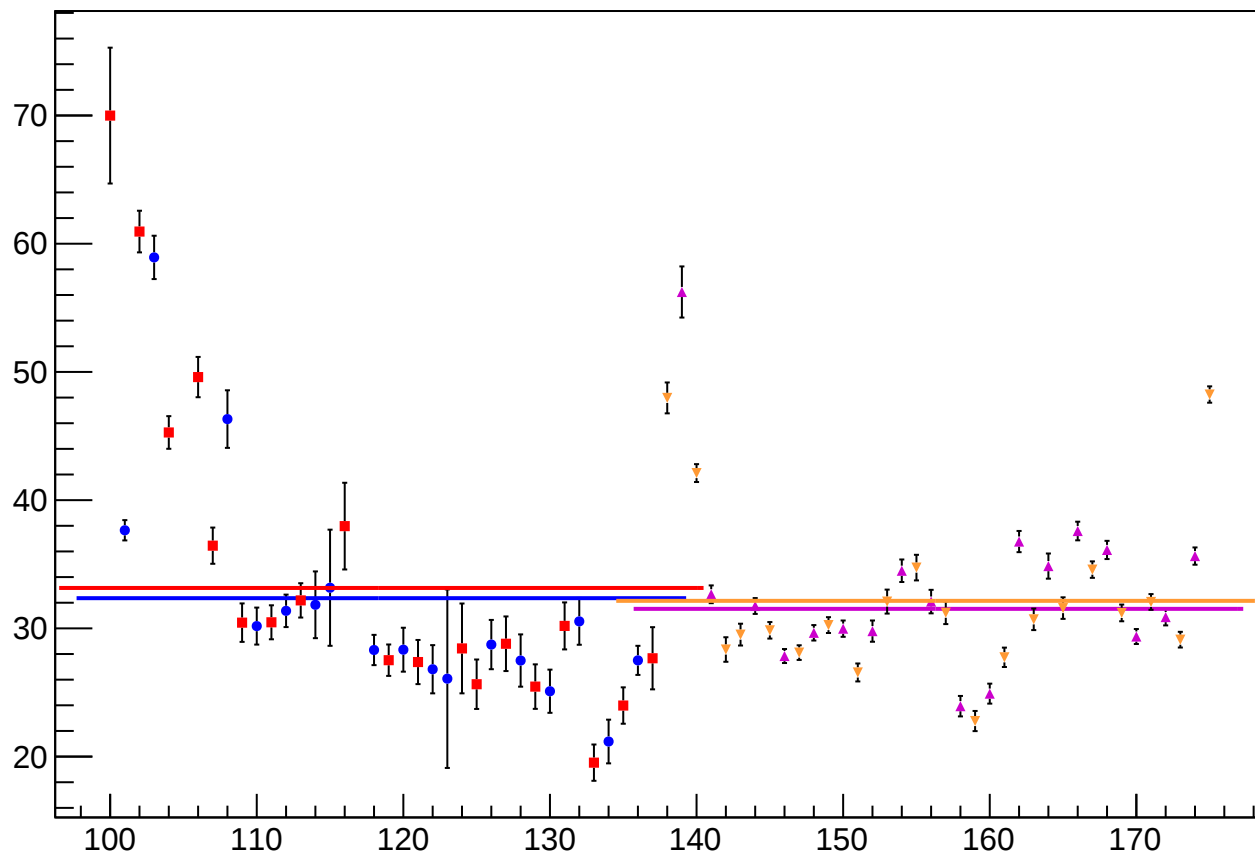
Left In: -31.370+/-0.228 χ^2/NDF : 1499.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -33.413+/-0.158 χ^2/NDF : 6111.1/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 32.147 ± 0.163 $\chi^2/\text{NDF}: 1403.4/19$

Right Out: 33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

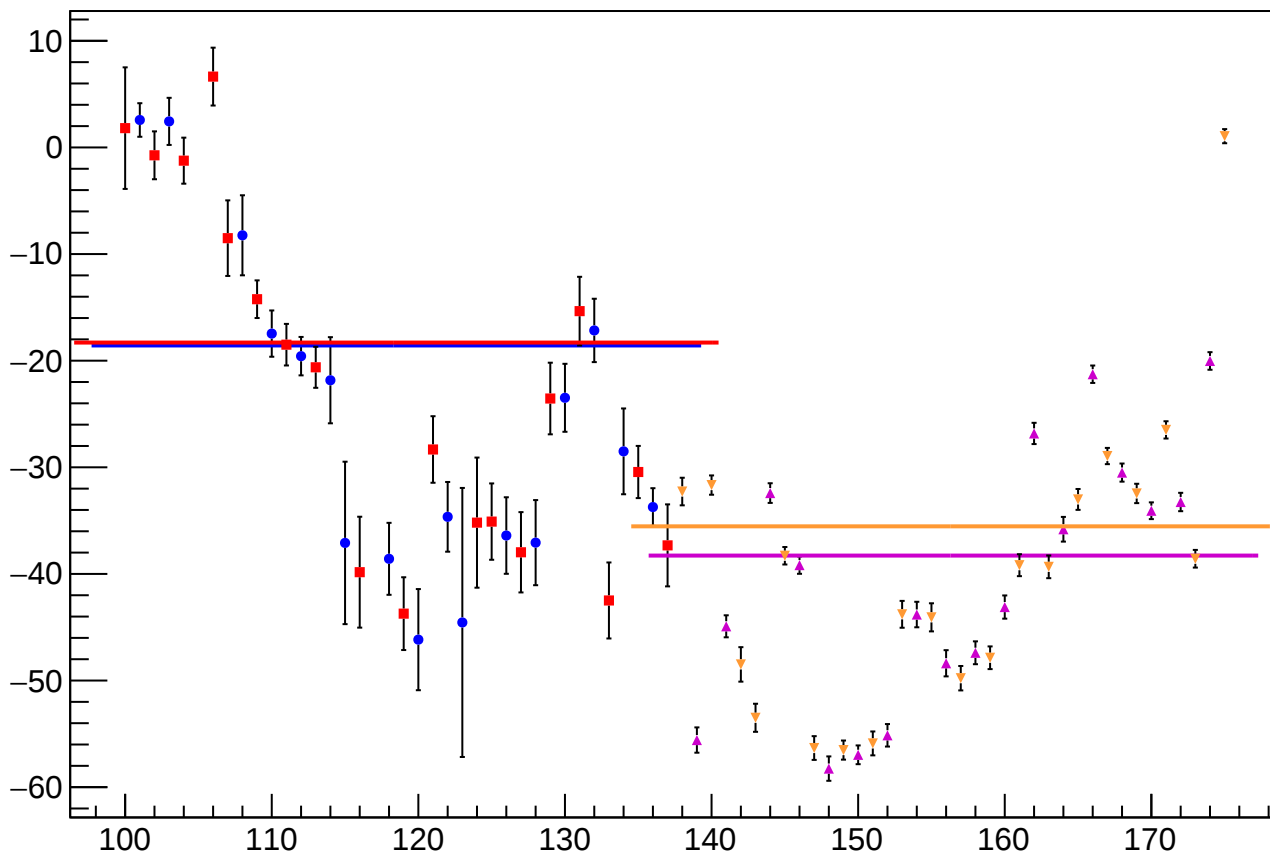
Left In: 31.522 ± 0.170 $\chi^2/\text{NDF}: 611.6/17$

+ sign 32.180 ± 0.150 $\chi^2/\text{NDF}: 1854.2/36$

All: 31.995 ± 0.108 $\chi^2/\text{NDF}: 3256.4/73$

- sign 31.795 ± 0.155 $\chi^2/\text{NDF}: 1399.0/36$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -35.537 ± 0.218 χ^2/NDF : 5196.5/19

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

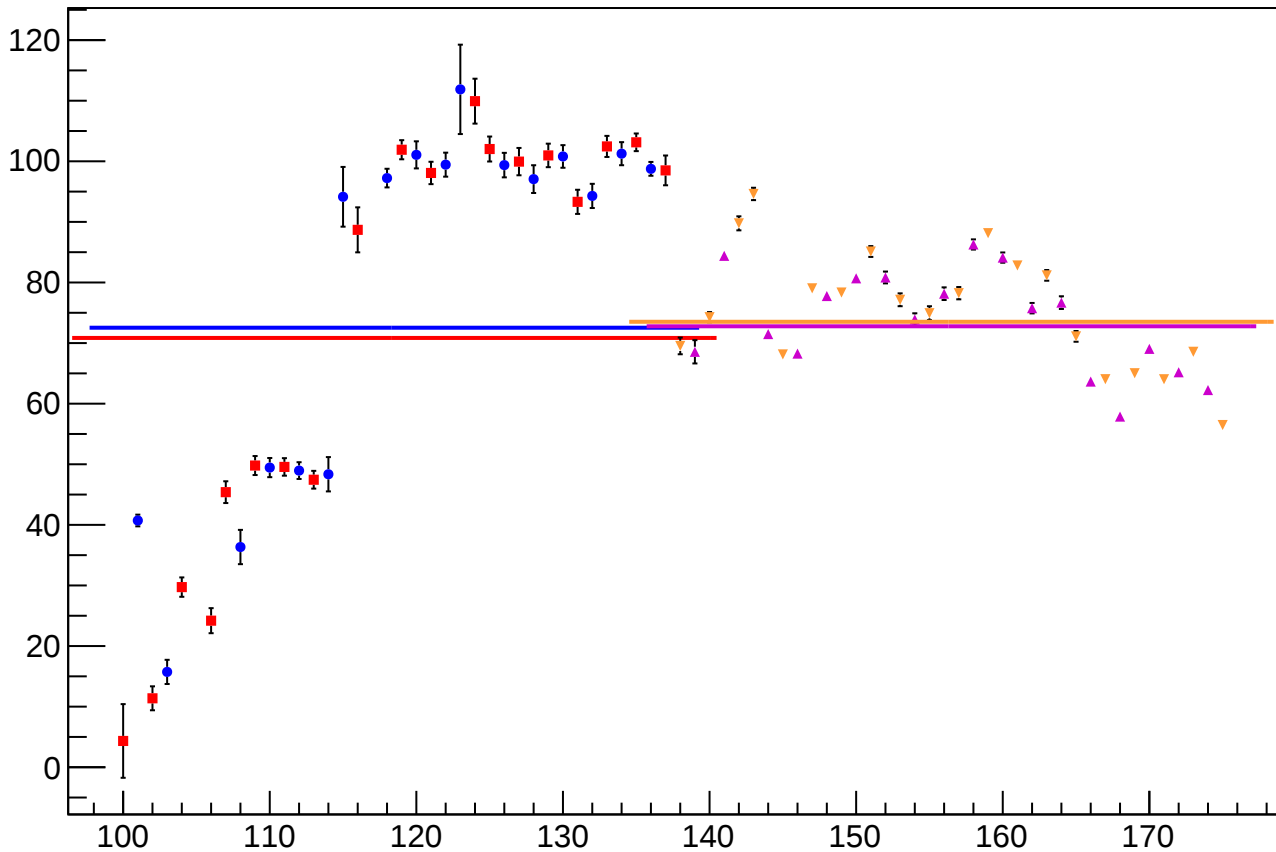
Left In: -38.279 ± 0.227 χ^2/NDF : 2694.4/17

+ sign -33.901 ± 0.207 χ^2/NDF : 6291.7/36

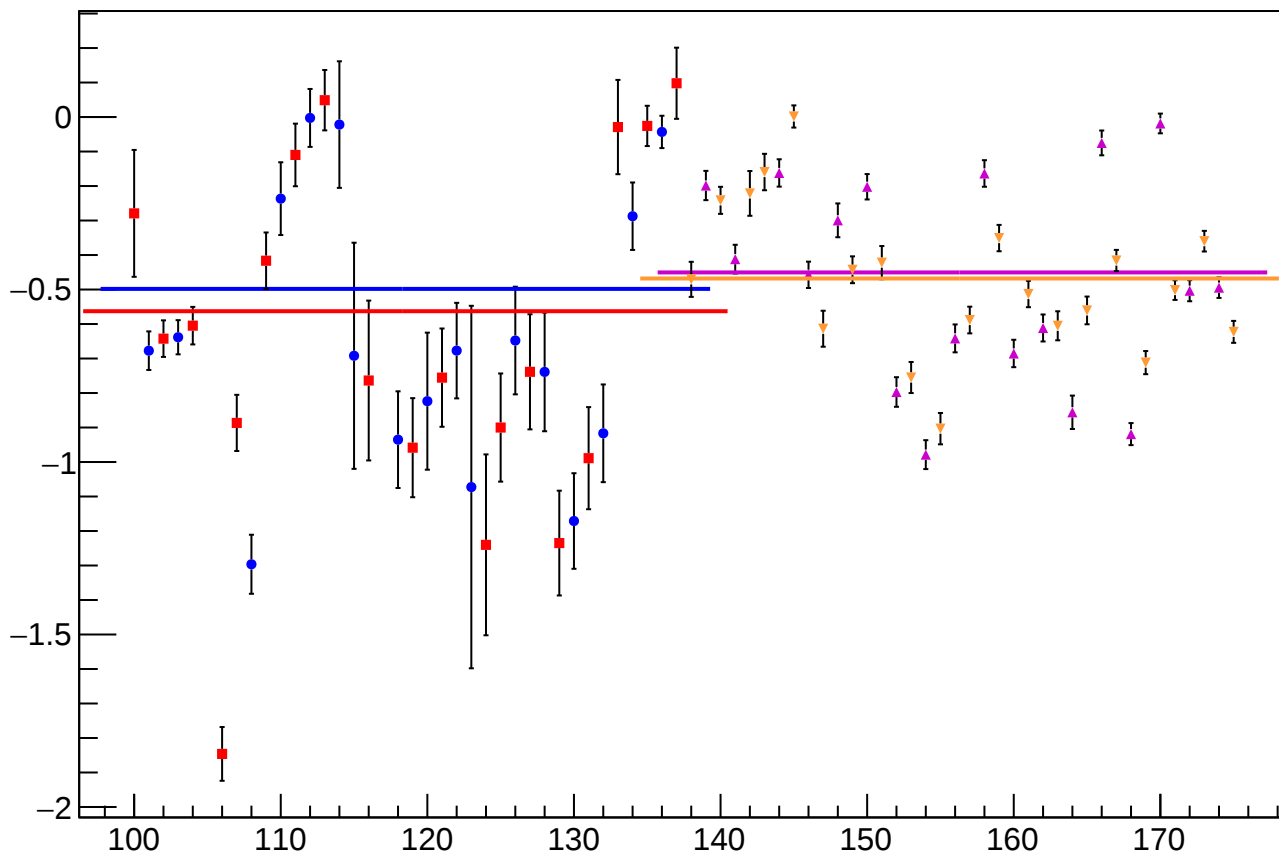
All: -34.953 ± 0.149 χ^2/NDF : 10369.3/73

- sign -36.073 ± 0.214 χ^2/NDF : 4024.4/36

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498±/0.022 χ^2/NDF : 302.8/16

Left Out: -0.468±/0.009 χ^2/NDF : 566.8/19

Right Out: -0.563±/0.021 χ^2/NDF : 560.8/18

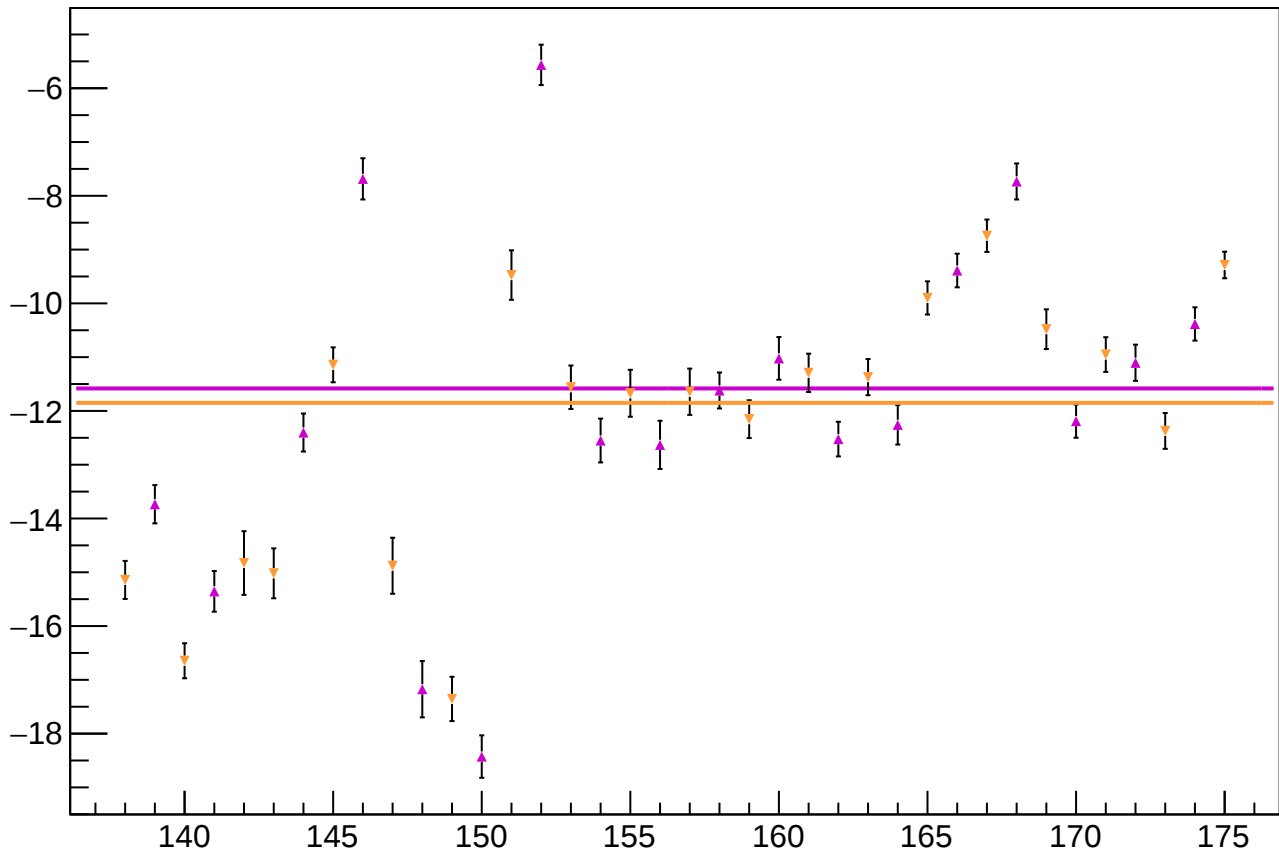
Left In: -0.450±/0.009 χ^2/NDF : 1125.6/17

+ sign -0.472±/0.008 χ^2/NDF : 871.1/36

All: -0.469±/0.006 χ^2/NDF : 2581.2/73

- sign -0.467±/0.008 χ^2/NDF : 1709.9/36

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: -11.850+/-0.081 χ^2/NDF : 903.5/19

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

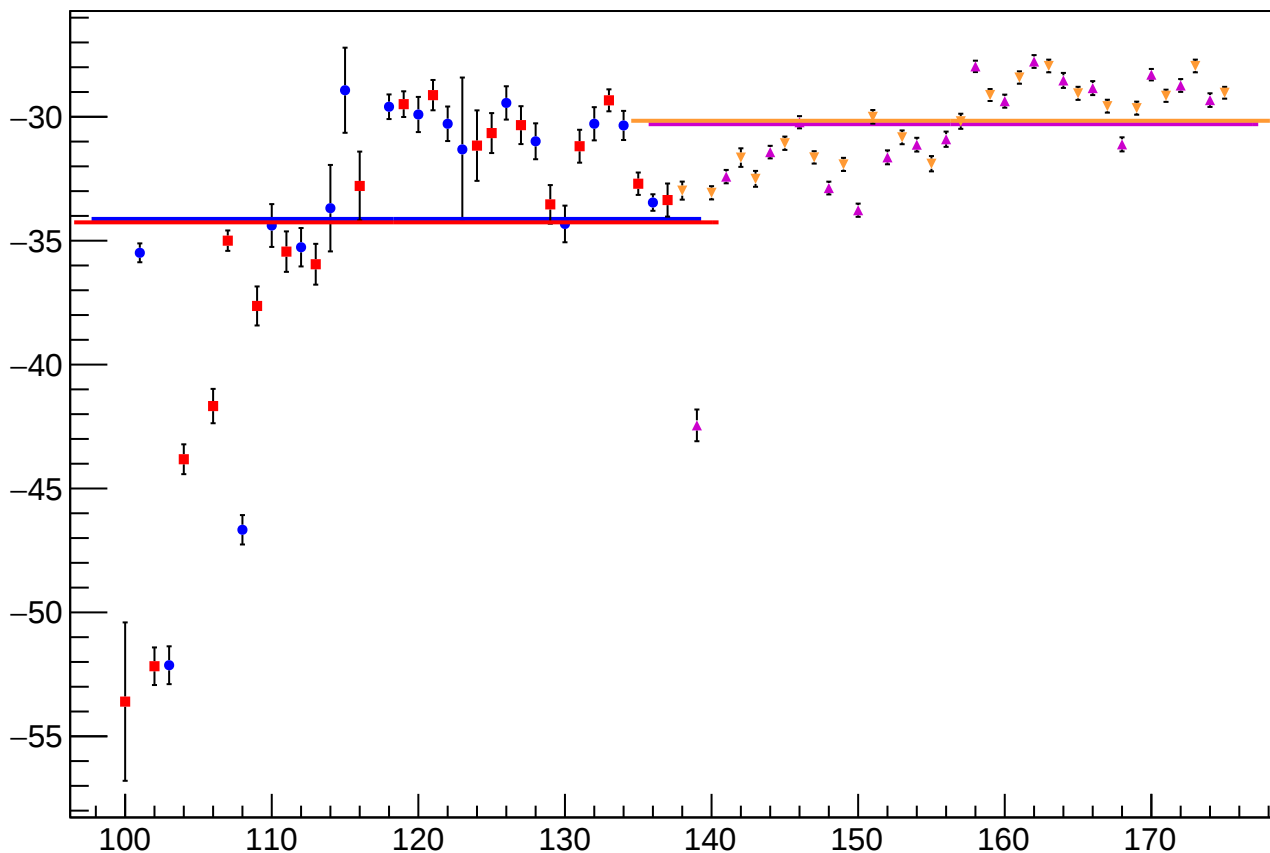
Left In: -11.582+/-0.085 χ^2/NDF : 1144.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.723+/-0.058 χ^2/NDF : 2052.7/37

- 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: -30.160 ± 0.061 χ^2/NDF : 656.8/19

Right Out: -34.260 ± 0.151 χ^2/NDF : 1354.9/18

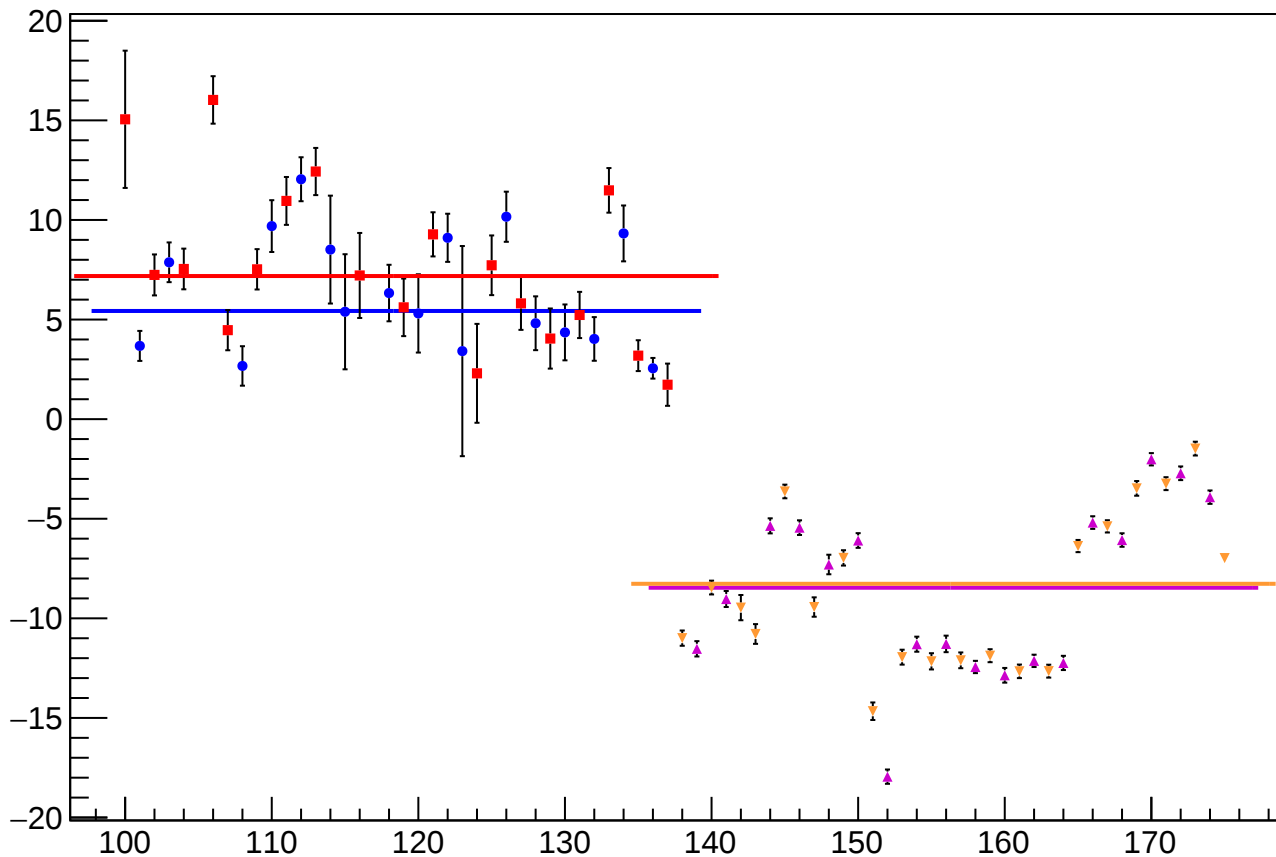
Left In: -30.298 ± 0.064 χ^2/NDF : 1148.5/17

+ sign -30.708 ± 0.056 χ^2/NDF : 2566.2/36

All: -30.801 ± 0.041 χ^2/NDF : 5659.9/73

- sign -30.903 ± 0.059 χ^2/NDF : 3088.0/36

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: -8.266 ± 0.080 χ^2/NDF : 2189.3/19

Right Out: 7.185 ± 0.274 χ^2/NDF : 182.1/18

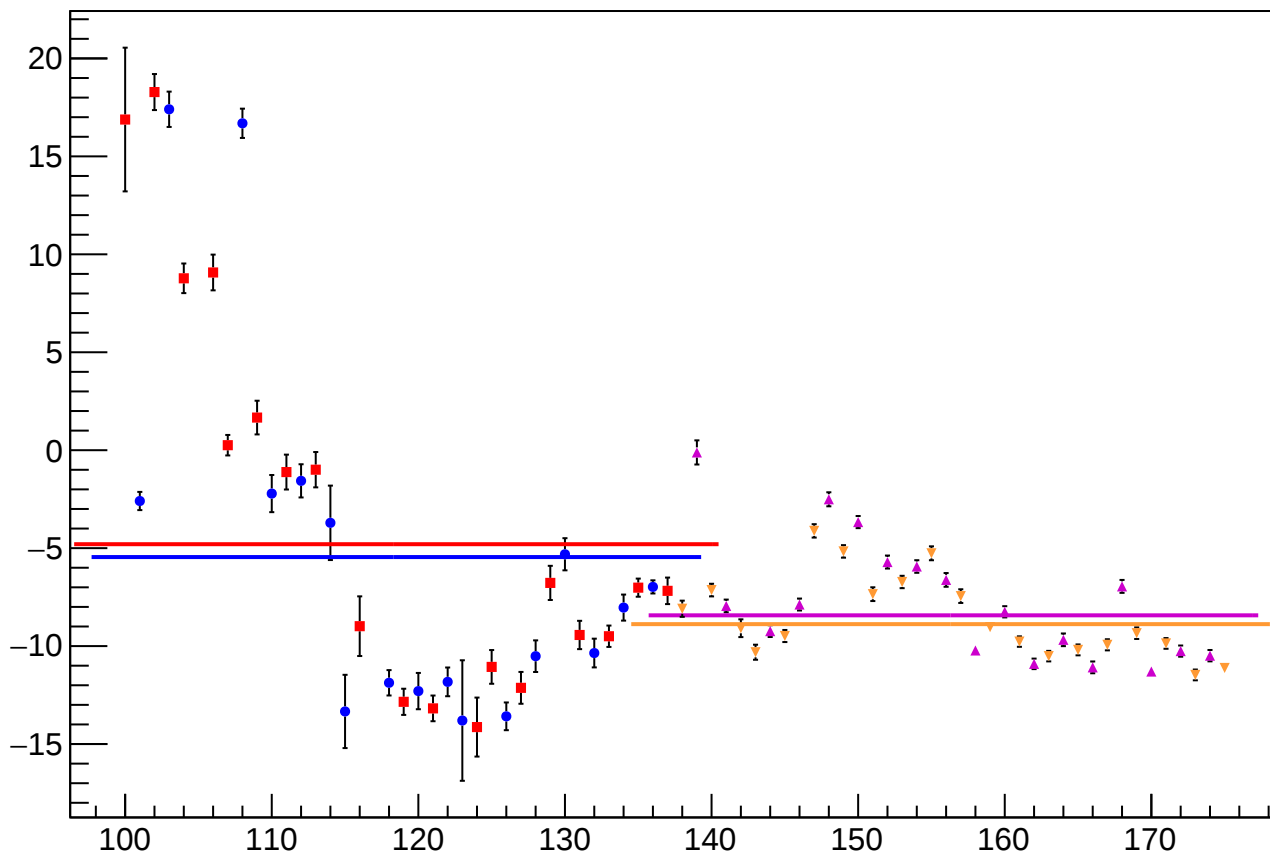
Left In: -8.464 ± 0.084 χ^2/NDF : 2658.9/17

+ sign -7.162 ± 0.077 χ^2/NDF : 4680.5/36

All: -7.144 ± 0.055 χ^2/NDF : 10494.4/73

- sign -7.124 ± 0.080 χ^2/NDF : 5813.8/36

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455 ± 0.171 $\chi^2/\text{NDF}: 2096.5/16$

Left Out: -8.879 ± 0.069 $\chi^2/\text{NDF}: 832.9/19$

Right Out: -4.798 ± 0.173 $\chi^2/\text{NDF}: 2047.4/18$

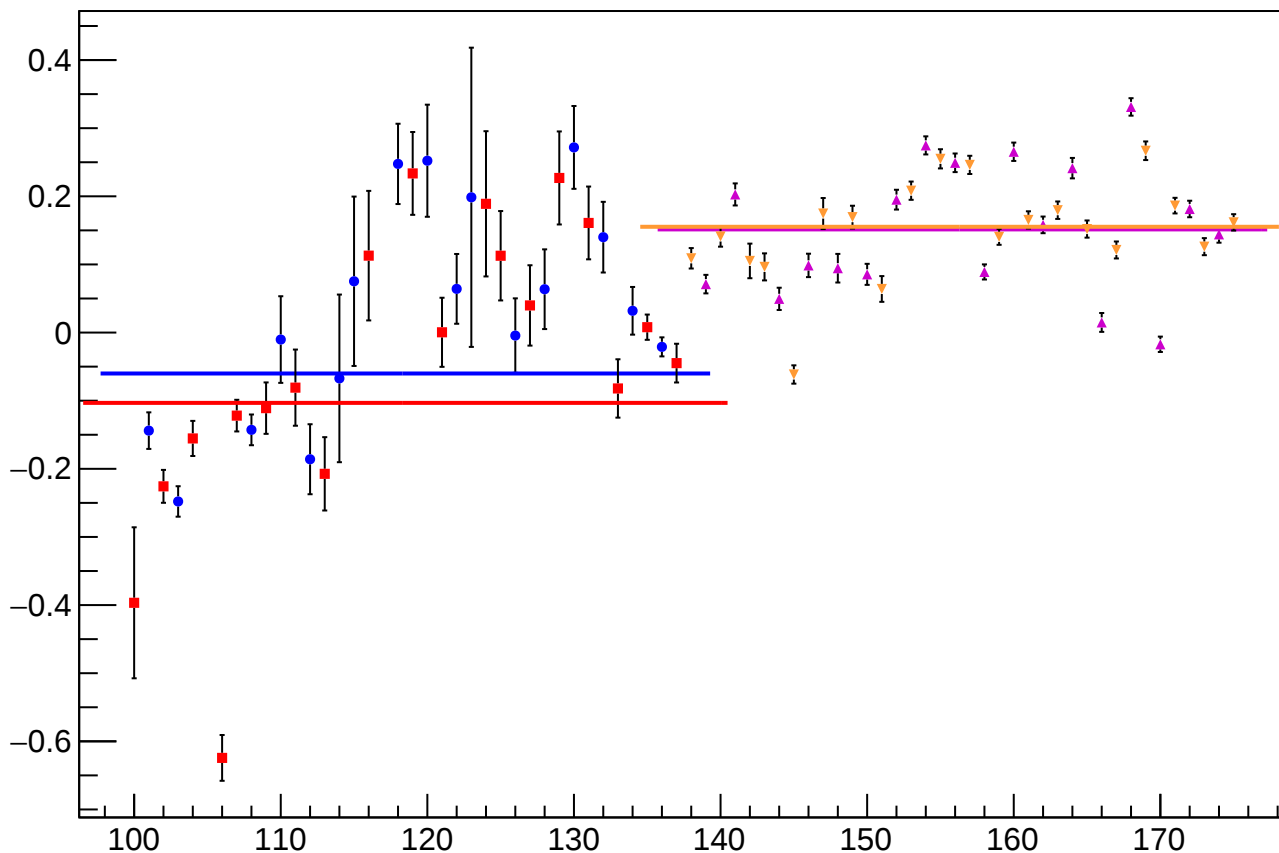
Left In: -8.429 ± 0.072 $\chi^2/\text{NDF}: 1334.0/17$

+ sign -8.404 ± 0.064 $\chi^2/\text{NDF}: 3275.4/36$

All: -8.159 ± 0.046 $\chi^2/\text{NDF}: 7063.5/73$

- sign -7.891 ± 0.067 $\chi^2/\text{NDF}: 3756.9/36$

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: 0.155 ± 0.003 χ^2/NDF : 513.1/19

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

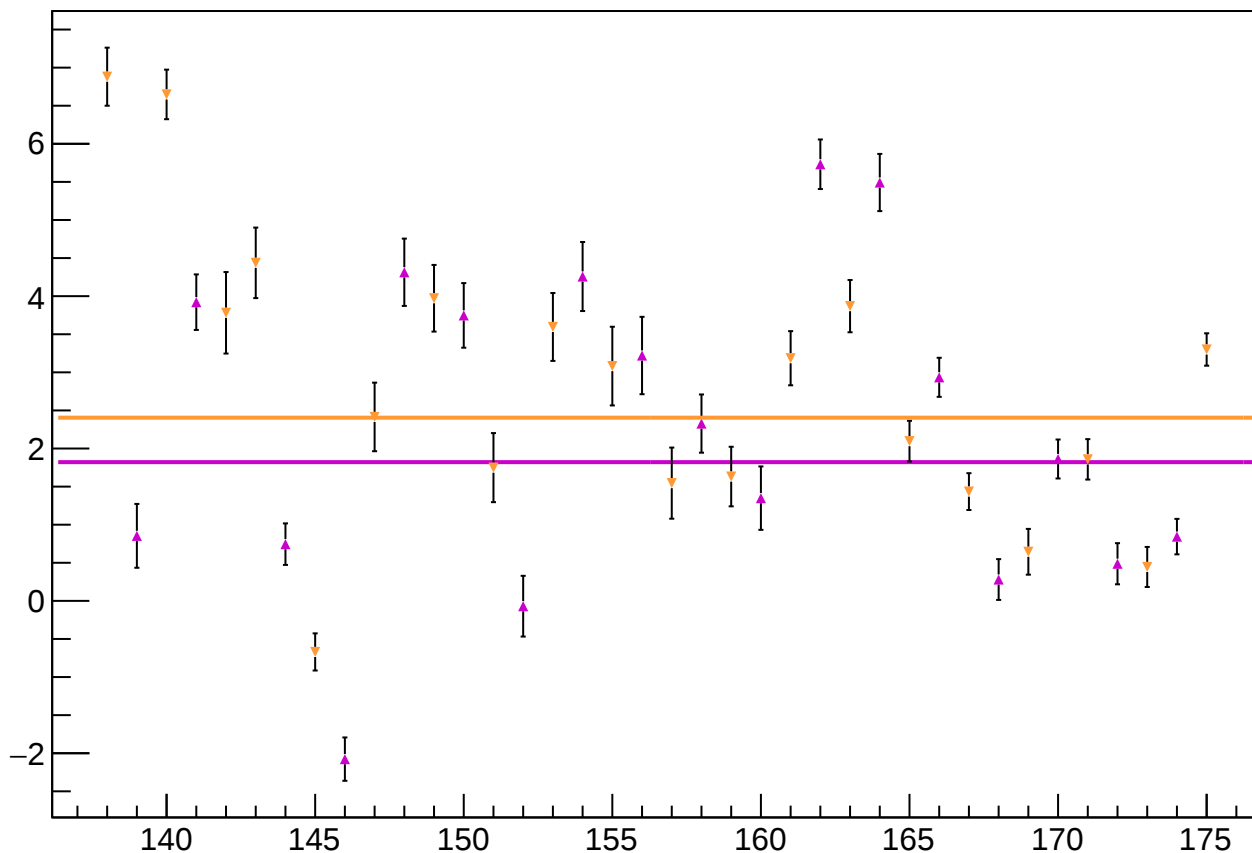
Left In: 0.151 ± 0.003 χ^2/NDF : 929.1/17

+ sign 0.129 ± 0.003 χ^2/NDF : 1305.0/36

All: 0.124 ± 0.002 χ^2/NDF : 3468.5/73

- sign 0.119 ± 0.003 χ^2/NDF : 2157.8/36

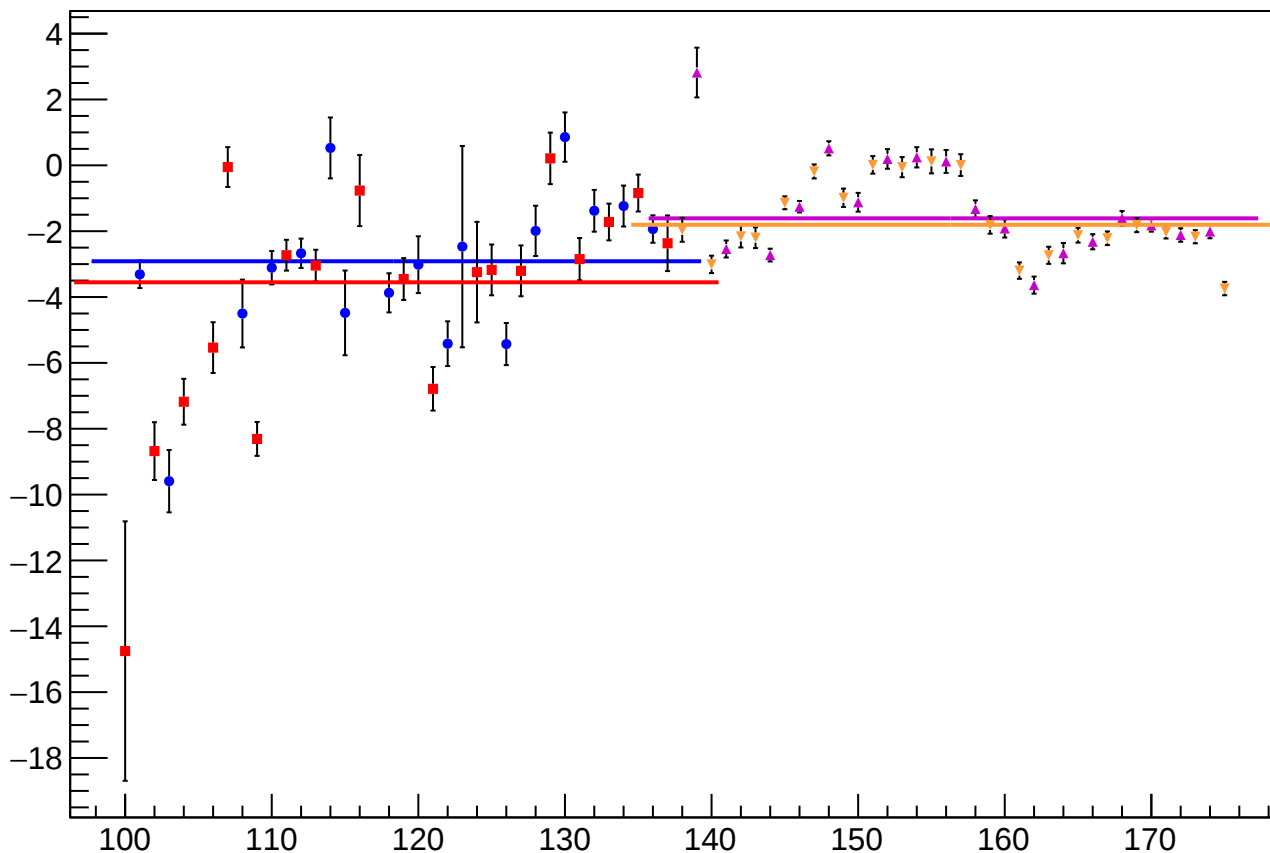
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.405 $\pm$ 0.073 χ^2/NDF : 676.6/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 1.821 $\pm$ 0.077 χ^2/NDF : 690.5/17

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 All: 2.125 $\pm$ 0.053 χ^2/NDF : 1397.4/37
 - 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: -1.805 ± 0.055 χ^2/NDF : 383.7/19

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

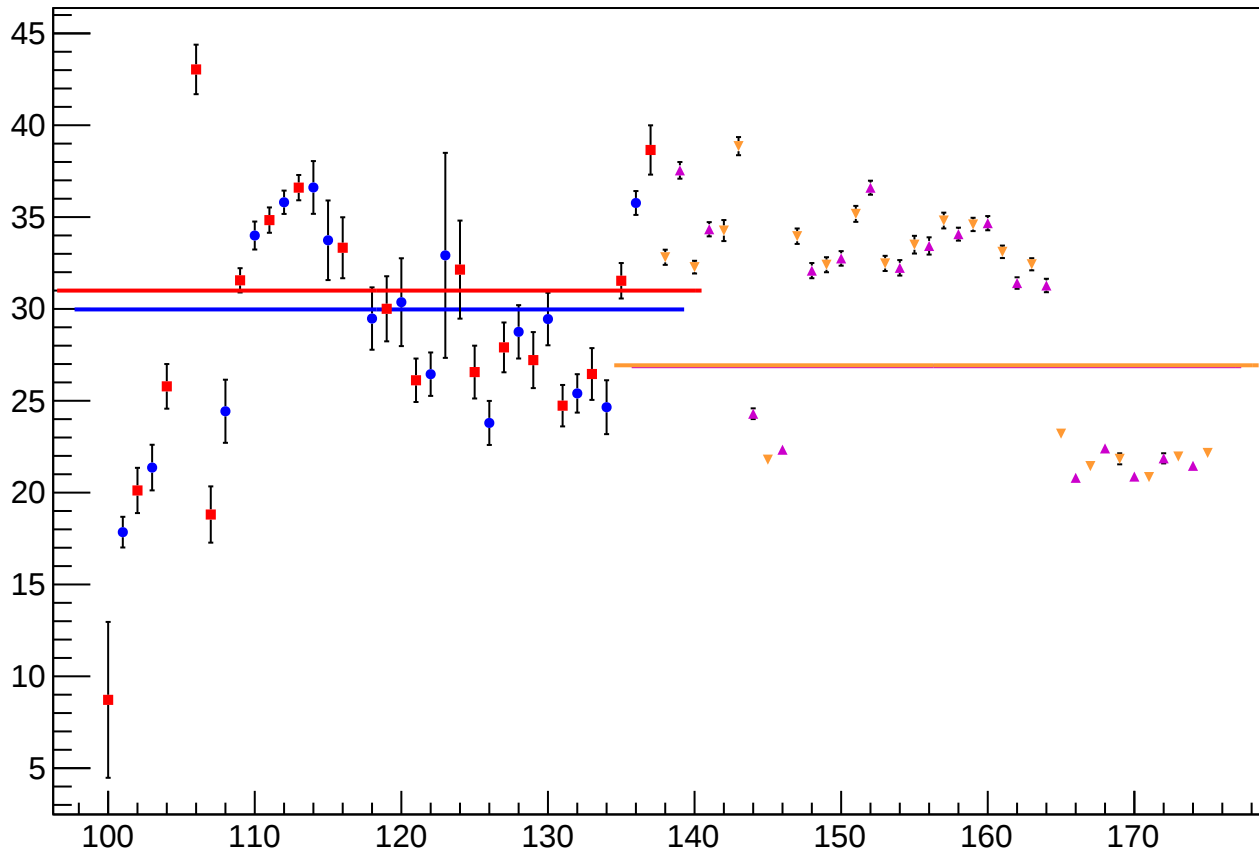
Left In: -1.610 ± 0.057 χ^2/NDF : 378.2/17

+ sign -1.931 ± 0.052 χ^2/NDF : 575.3/36

All: -1.889 ± 0.037 χ^2/NDF : 1384.6/73

- sign -1.844 ± 0.054 χ^2/NDF : 808.0/36

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 ± 0.267 χ^2/NDF : 554.3/16

Left Out: 26.931 ± 0.073 χ^2/NDF : 6480.1/19

Right Out: 30.999 ± 0.260 χ^2/NDF : 479.5/18

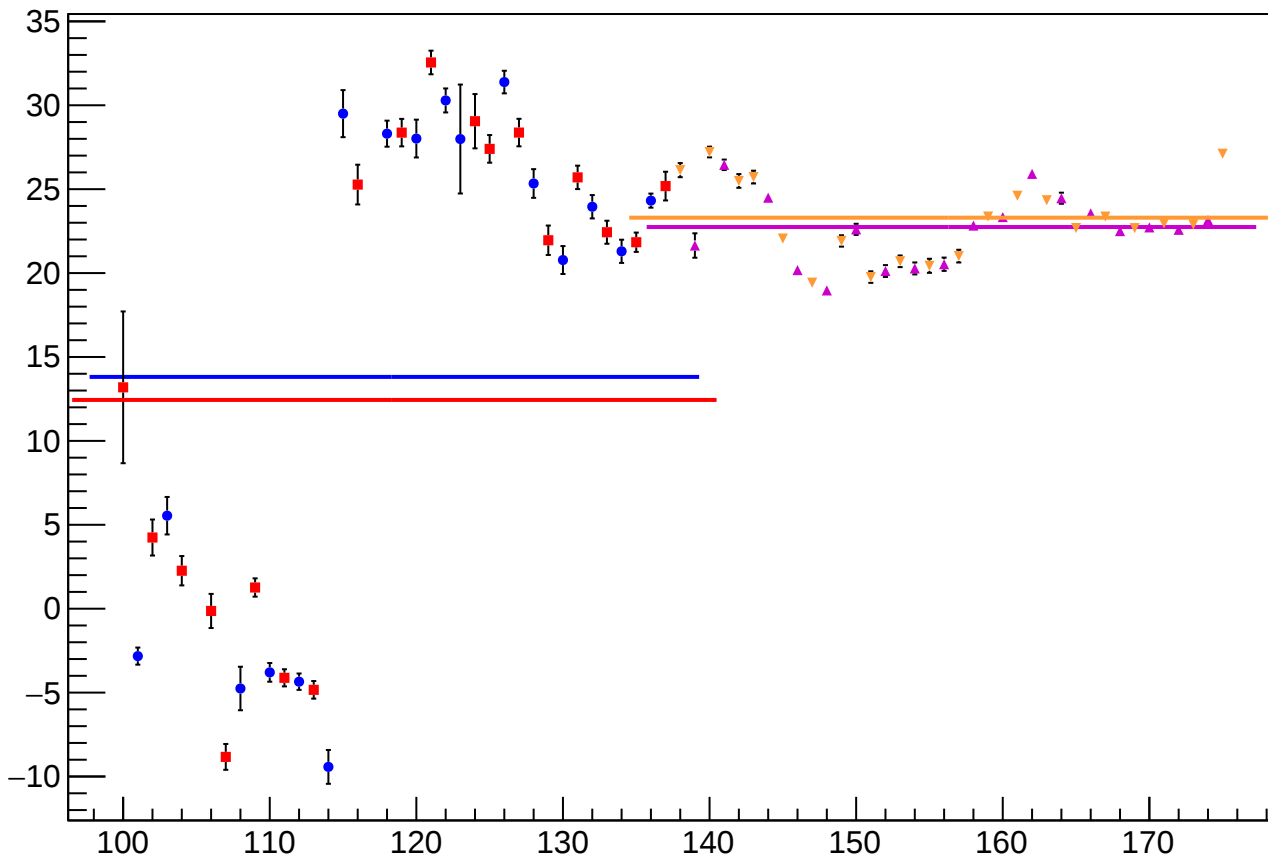
Left In: 26.882 ± 0.077 χ^2/NDF : 5991.1/17

+ sign 27.145 ± 0.071 χ^2/NDF : 7154.8/36

All: 27.177 ± 0.051 χ^2/NDF : 13856.4/73

- sign 27.210 ± 0.073 χ^2/NDF : 6701.1/36

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: 23.301 $\pm$ 0.063 χ^2 /NDF: 1104.0/19

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

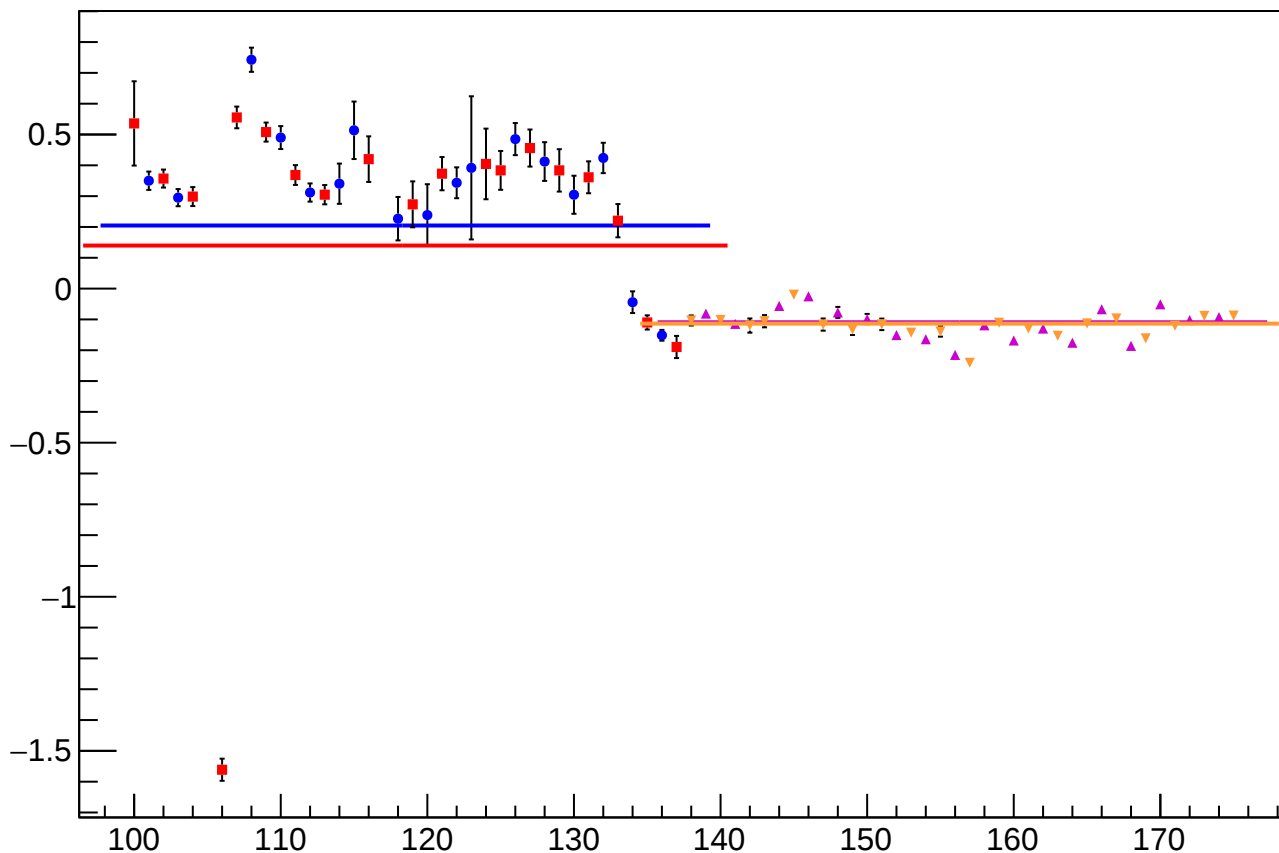
Left In: 22.745 $\pm$ 0.065 χ^2 /NDF: 814.1/17

+ sign 22.198 $\pm$ 0.059 χ^2 /NDF: 11091.1/36

All: 21.850 $\pm$ 0.042 χ^2 /NDF: 22033.5/73

- sign 21.478 $\pm$ 0.061 χ^2 /NDF: 10870.0/36

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: -0.114 ± 0.003 χ^2/NDF : 216.1/19

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

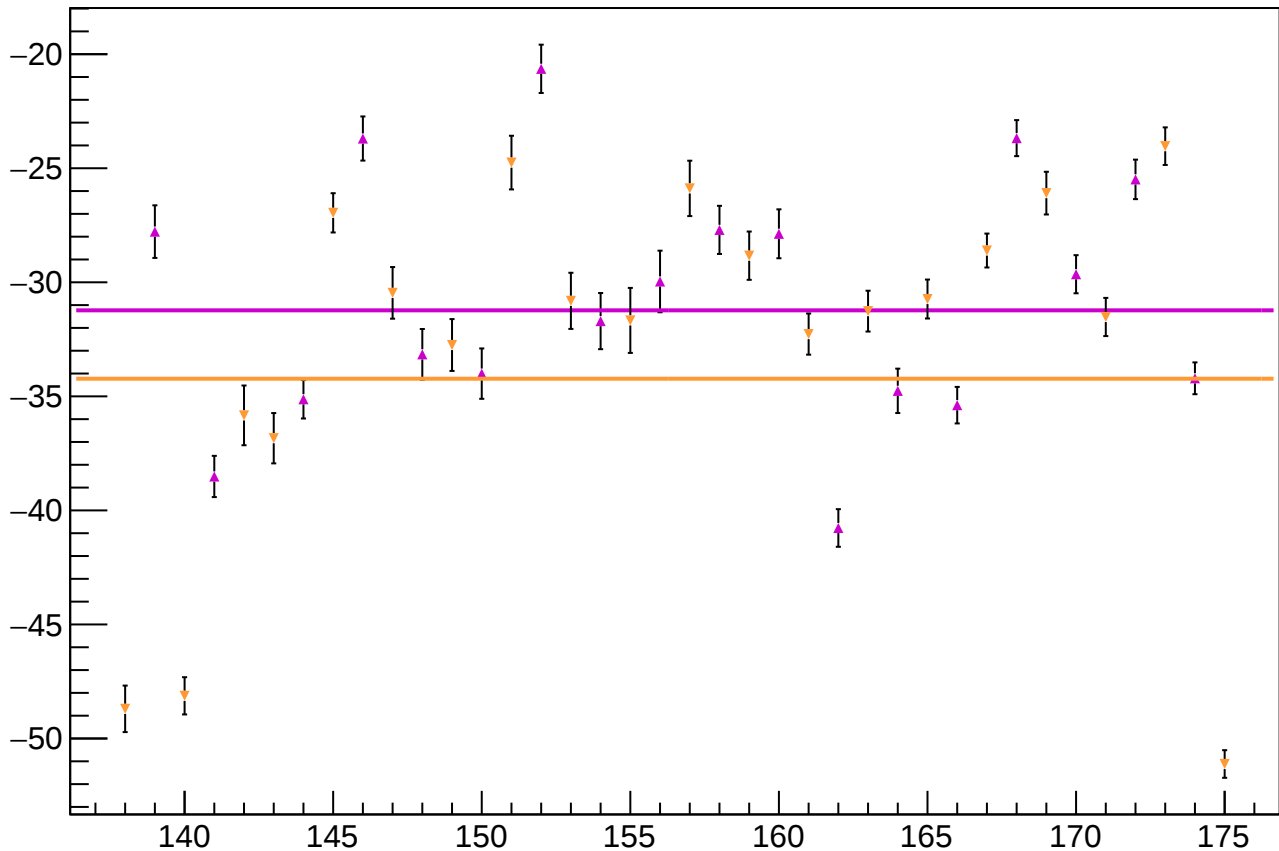
Left In: -0.109 ± 0.003 χ^2/NDF : 288.8/17

+ sign -0.086 ± 0.003 χ^2/NDF : 2114.9/36

All: -0.086 ± 0.002 χ^2/NDF : 6079.9/73

- sign -0.086 ± 0.003 χ^2/NDF : 3965.0/36

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: -34.227 +/- 0.210 χ^2/NDF : 1839.5/19

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

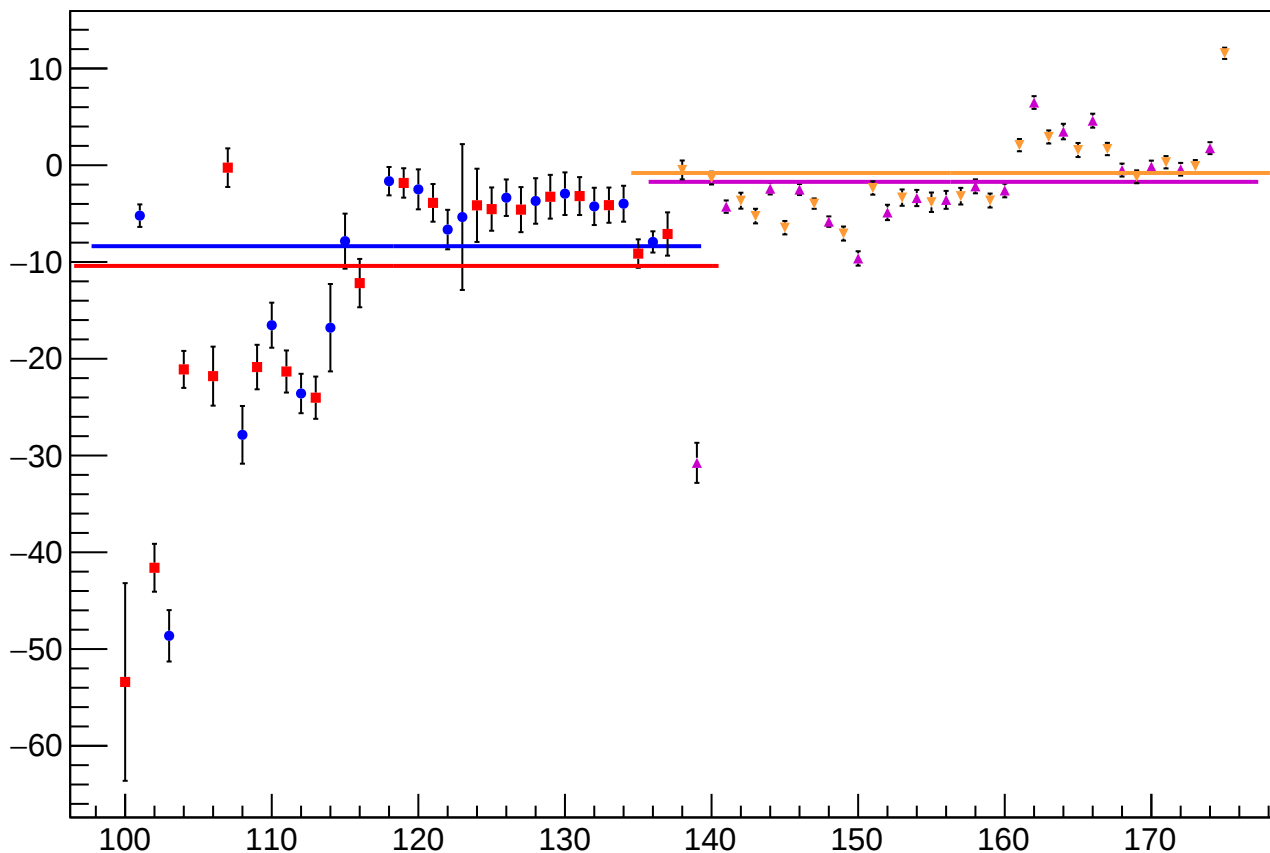
Left In: -31.229 +/- 0.221 χ^2/NDF : 618.1/17

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -32.804 +/- 0.152 χ^2/NDF : 2554.2/37

- 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 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -0.800 ± 0.156 $\chi^2/\text{NDF}: 802.9/19$

Right Out: -10.405 ± 0.491 $\chi^2/\text{NDF}: 430.3/18$

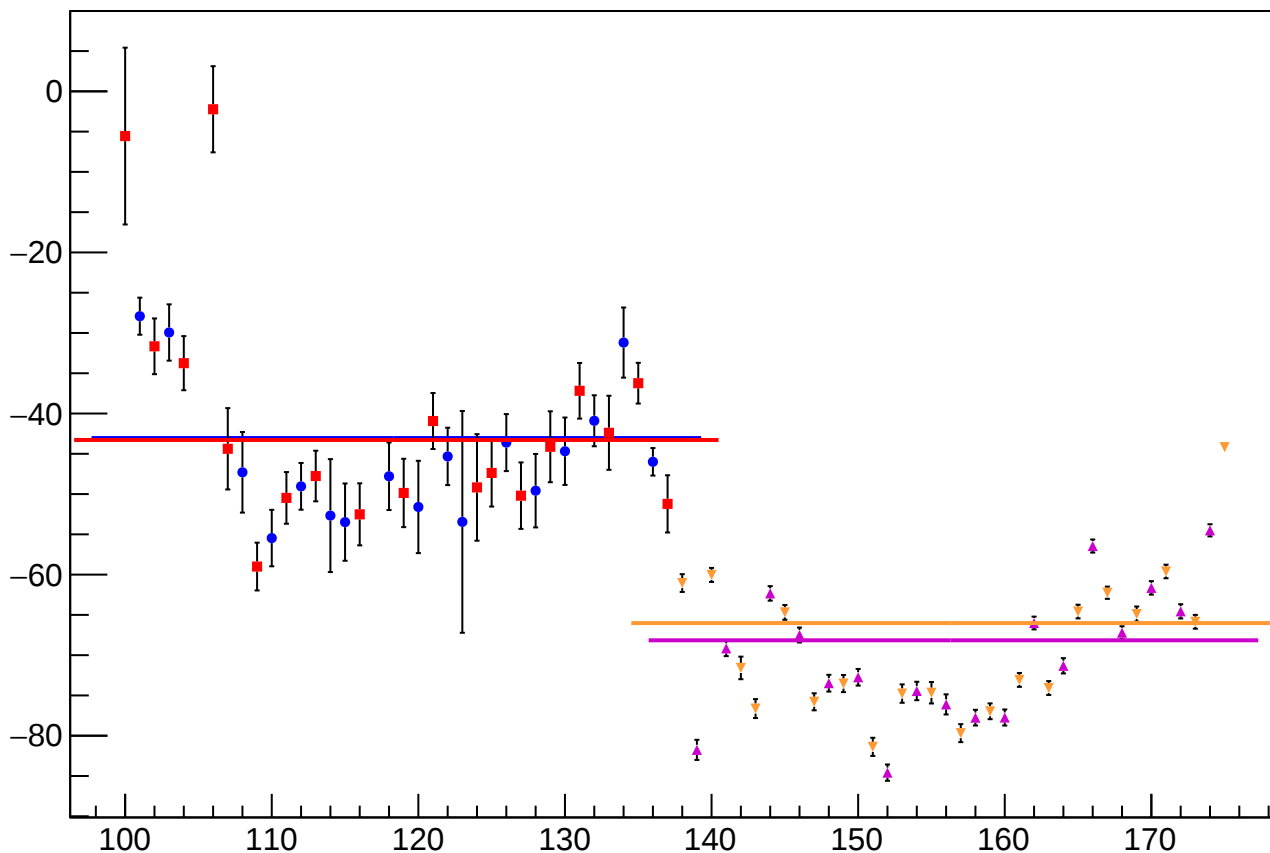
Left In: -1.718 ± 0.164 $\chi^2/\text{NDF}: 732.0/17$

+ sign -1.565 ± 0.148 $\chi^2/\text{NDF}: 1448.8/36$

All: -2.052 ± 0.107 $\chi^2/\text{NDF}: 2915.5/73$

- sign -2.585 ± 0.155 $\chi^2/\text{NDF}: 1444.1/36$

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: -66.016 ± 0.210 $\chi^2/\text{NDF}: 2405.6/19$

Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$

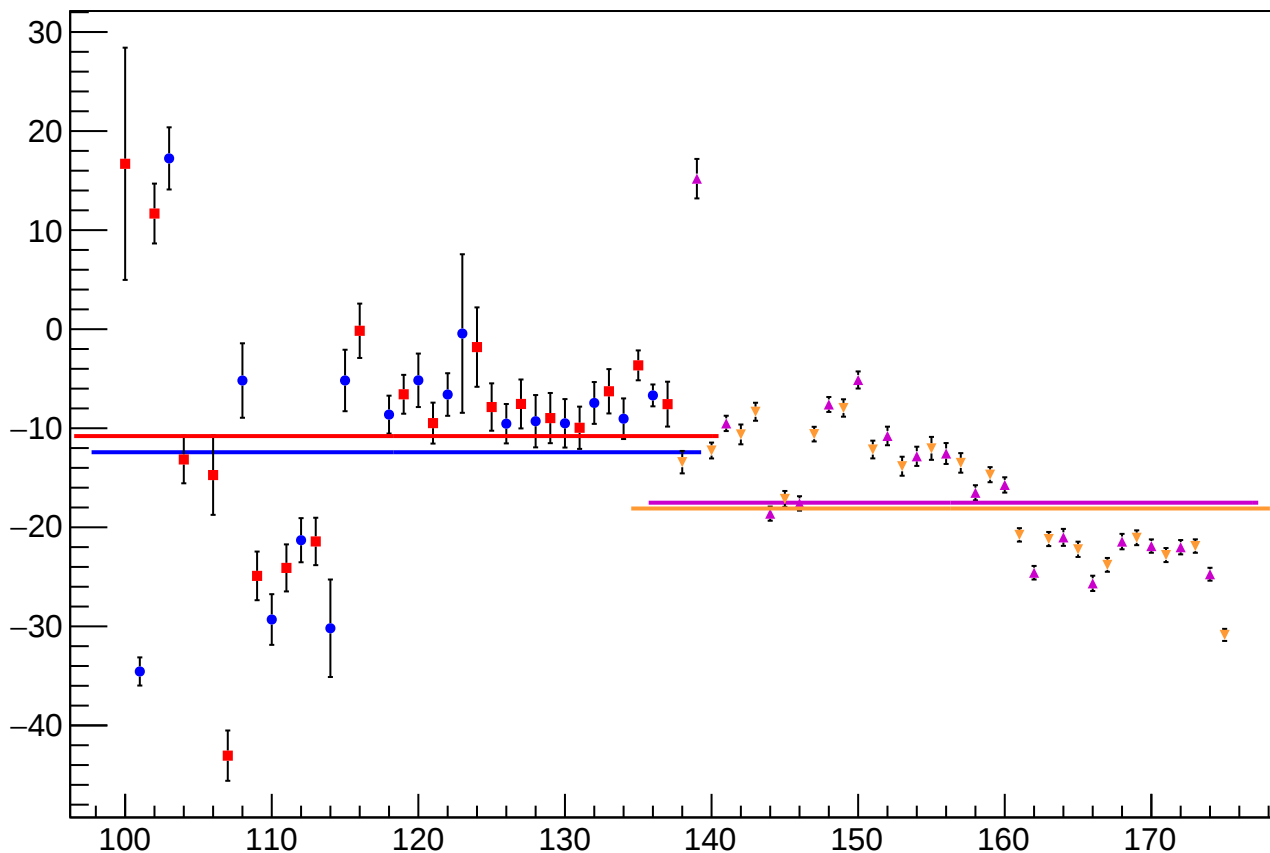
Left In: -68.155 ± 0.220 $\chi^2/\text{NDF}: 1359.9/17$

+ sign -64.661 ± 0.203 $\chi^2/\text{NDF}: 3212.8/36$

All: -65.607 ± 0.147 $\chi^2/\text{NDF}: 5545.4/73$

- sign -66.649 ± 0.213 $\chi^2/\text{NDF}: 2287.1/36$

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: -18.101 ± 0.178 χ^2/NDF : 1270.7/19

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

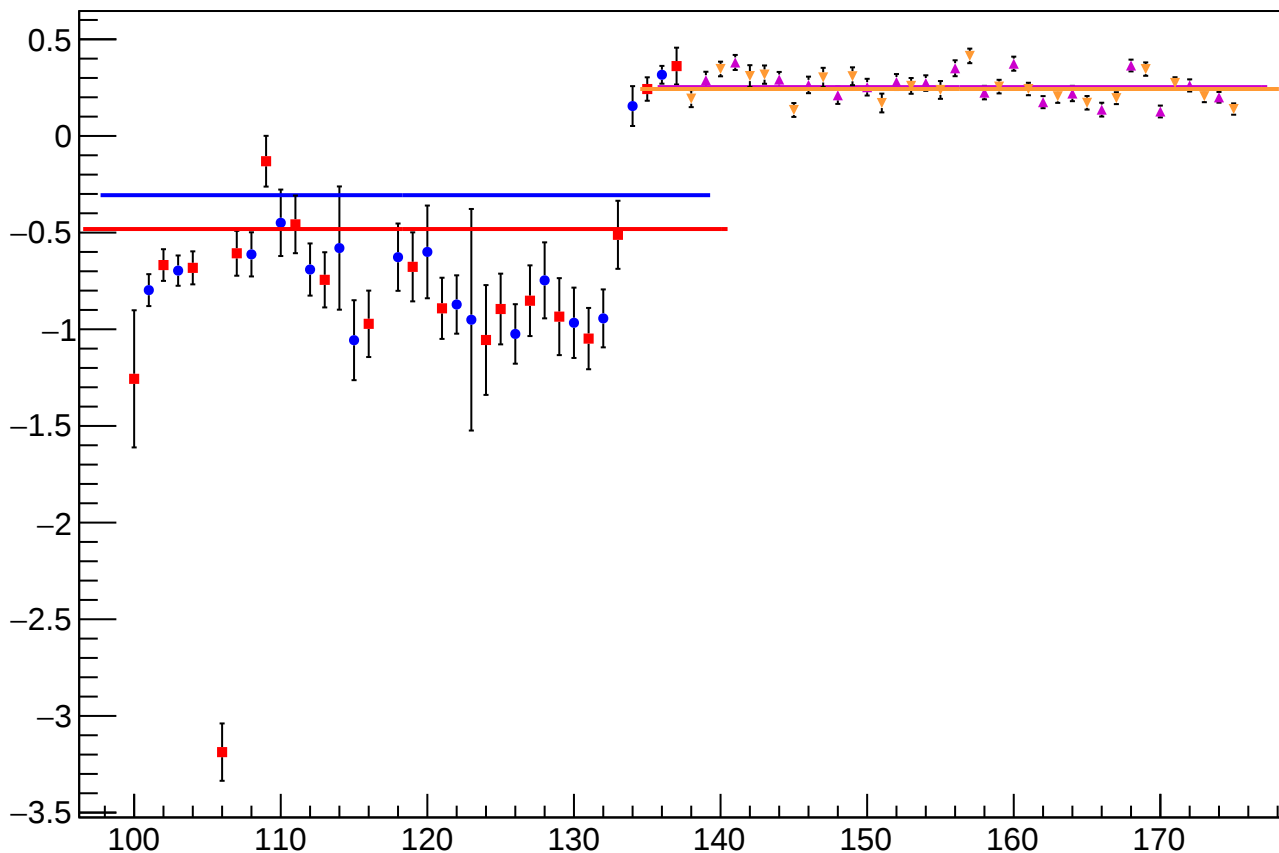
Left In: -17.516 ± 0.187 χ^2/NDF : 1324.2/17

+ sign -17.512 ± 0.169 χ^2/NDF : 1850.8/36

All: -17.187 ± 0.122 χ^2/NDF : 3681.0/73

- sign -16.828 ± 0.177 χ^2/NDF : 1822.4/36

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: 0.243 ± 0.008 χ^2/NDF : 80.0/19

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

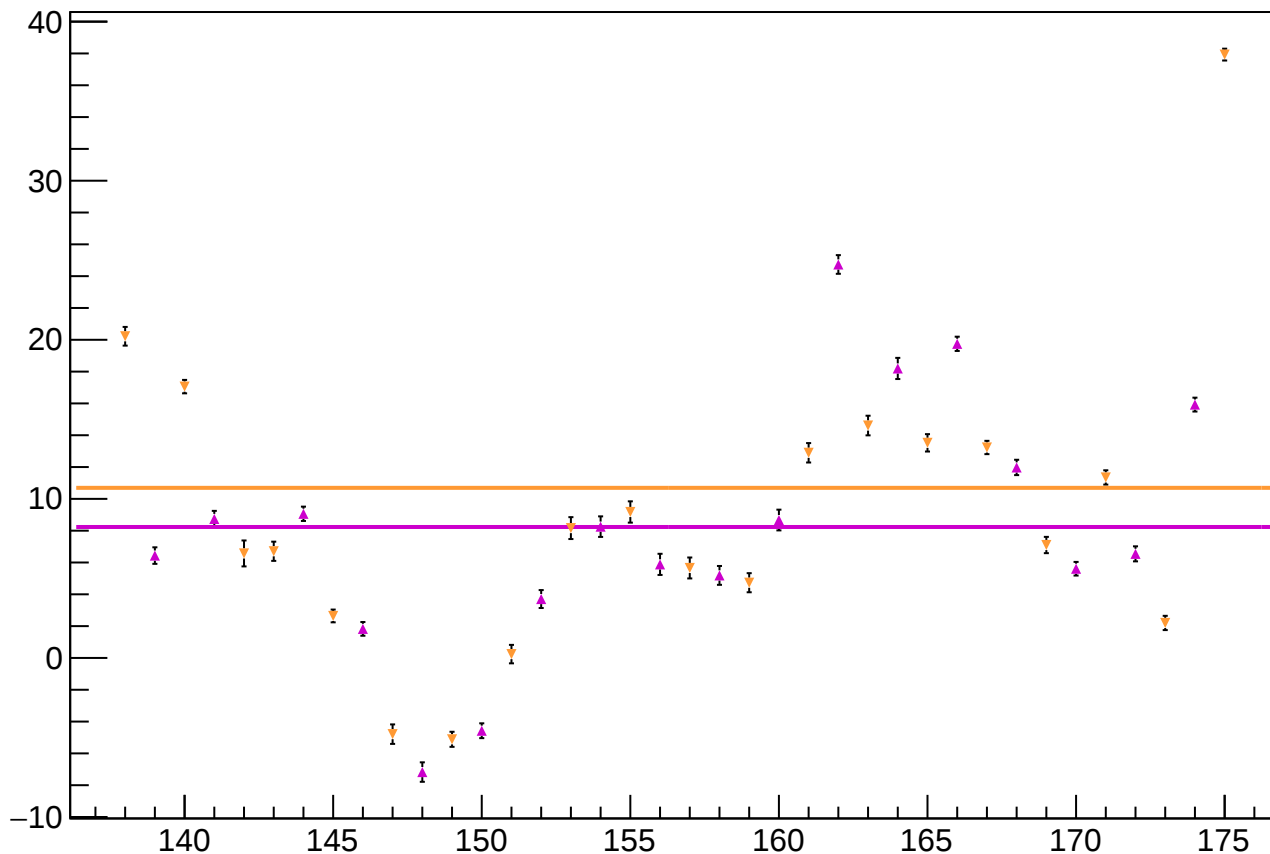
Left In: 0.253 ± 0.009 χ^2/NDF : 83.1/17

+ sign 0.197 ± 0.008 χ^2/NDF : 815.6/36

All: 0.195 ± 0.006 χ^2/NDF : 2132.1/73

- sign 0.192 ± 0.008 χ^2/NDF : 1316.3/36

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 10.693 $\pm$ 0.116 χ^2 /NDF:9085.4/19

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

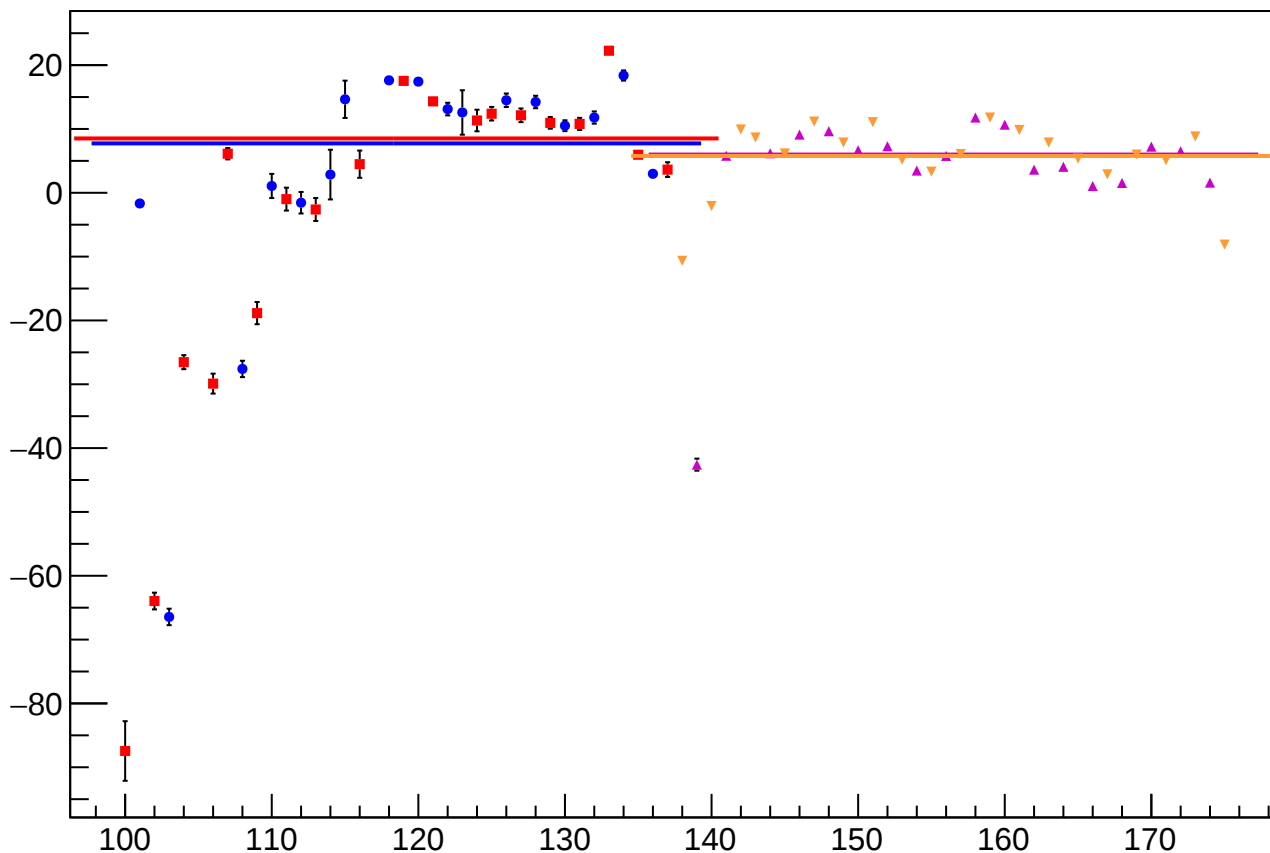
Left In: 8.232 $\pm$ 0.121 χ^2 /NDF:3825.9/17

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

All: 9.515 $\pm$ 0.084 χ^2 /NDF: 13125.2/37

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

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 $\chi^2/\text{NDF}: 5300.6/16$

Left Out: 5.768 ± 0.086 $\chi^2/\text{NDF}: 3999.0/19$

Right Out: 8.514 ± 0.213 $\chi^2/\text{NDF}: 6719.4/18$

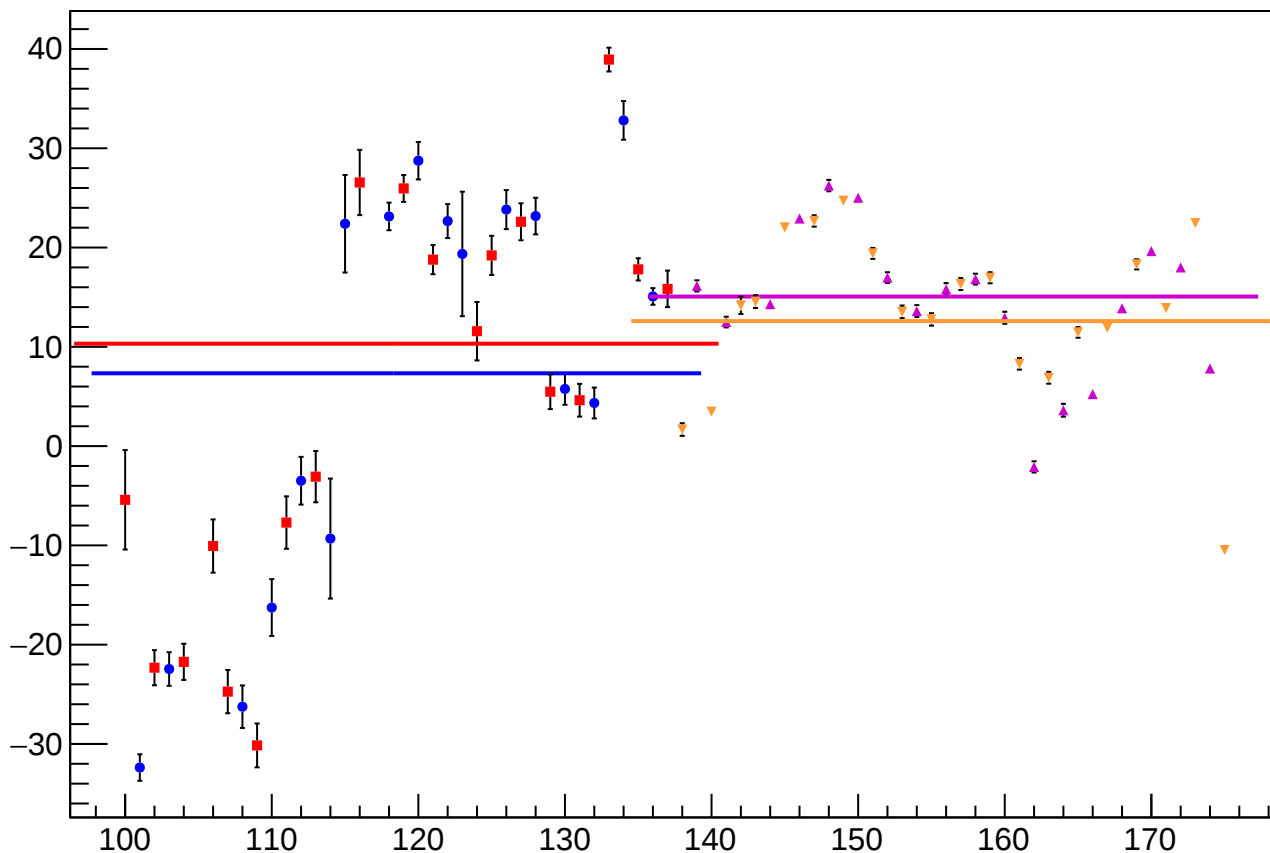
Left In: 5.987 ± 0.090 $\chi^2/\text{NDF}: 3734.7/17$

+ sign 6.034 ± 0.080 $\chi^2/\text{NDF}: 9370.1/36$

All: 6.197 ± 0.058 $\chi^2/\text{NDF}: 19951.8/73$

- sign 6.370 ± 0.083 $\chi^2/\text{NDF}: 10573.2/36$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 12.591 ± 0.116 χ^2/NDF : 7095.9/19

Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18

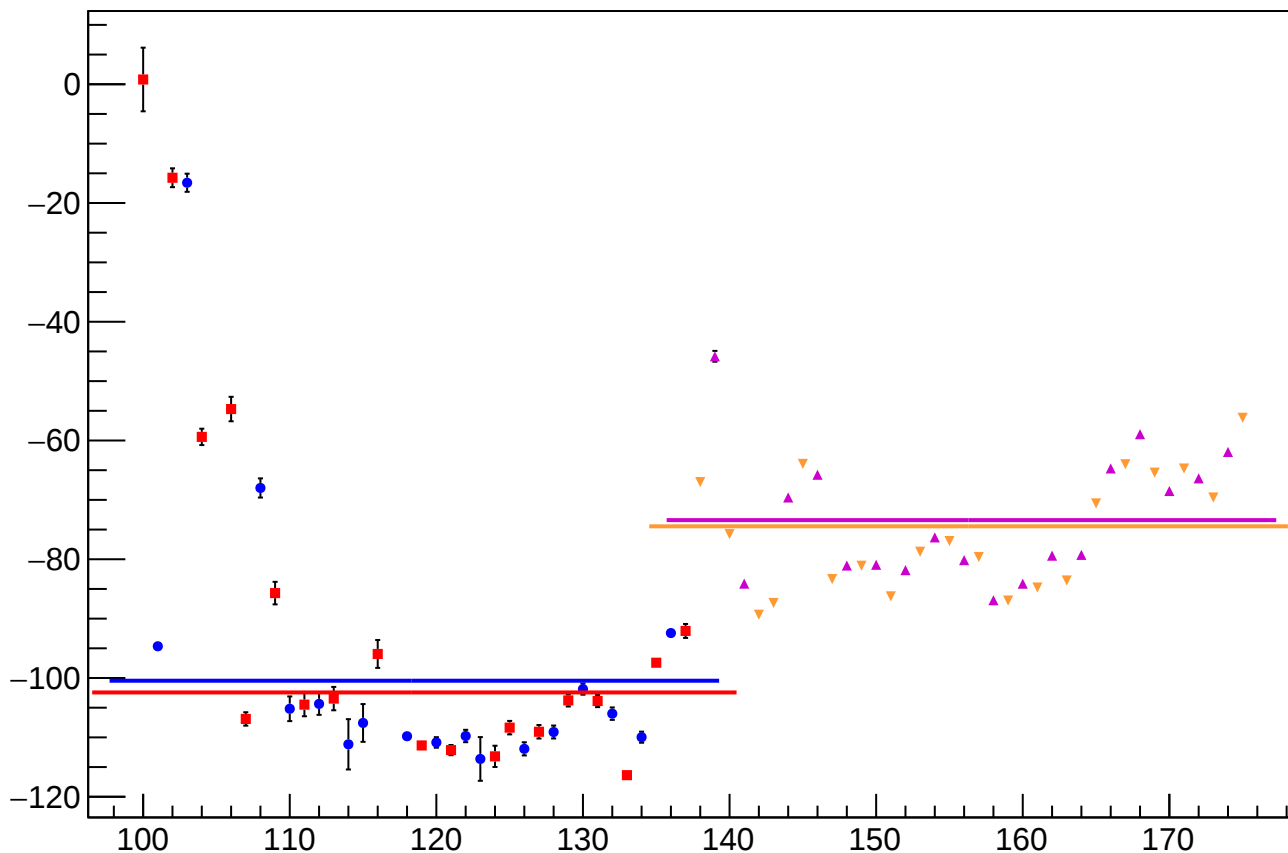
Left In: 15.063 ± 0.121 χ^2/NDF : 3420.2/17

+ sign 12.216 ± 0.112 χ^2/NDF : 9535.6/36

All: 13.411 ± 0.081 χ^2/NDF : 15593.8/73

- sign 14.696 ± 0.116 χ^2/NDF : 5821.3/36

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -74.454 ± 0.099 χ^2/NDF : 9963.4/19

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

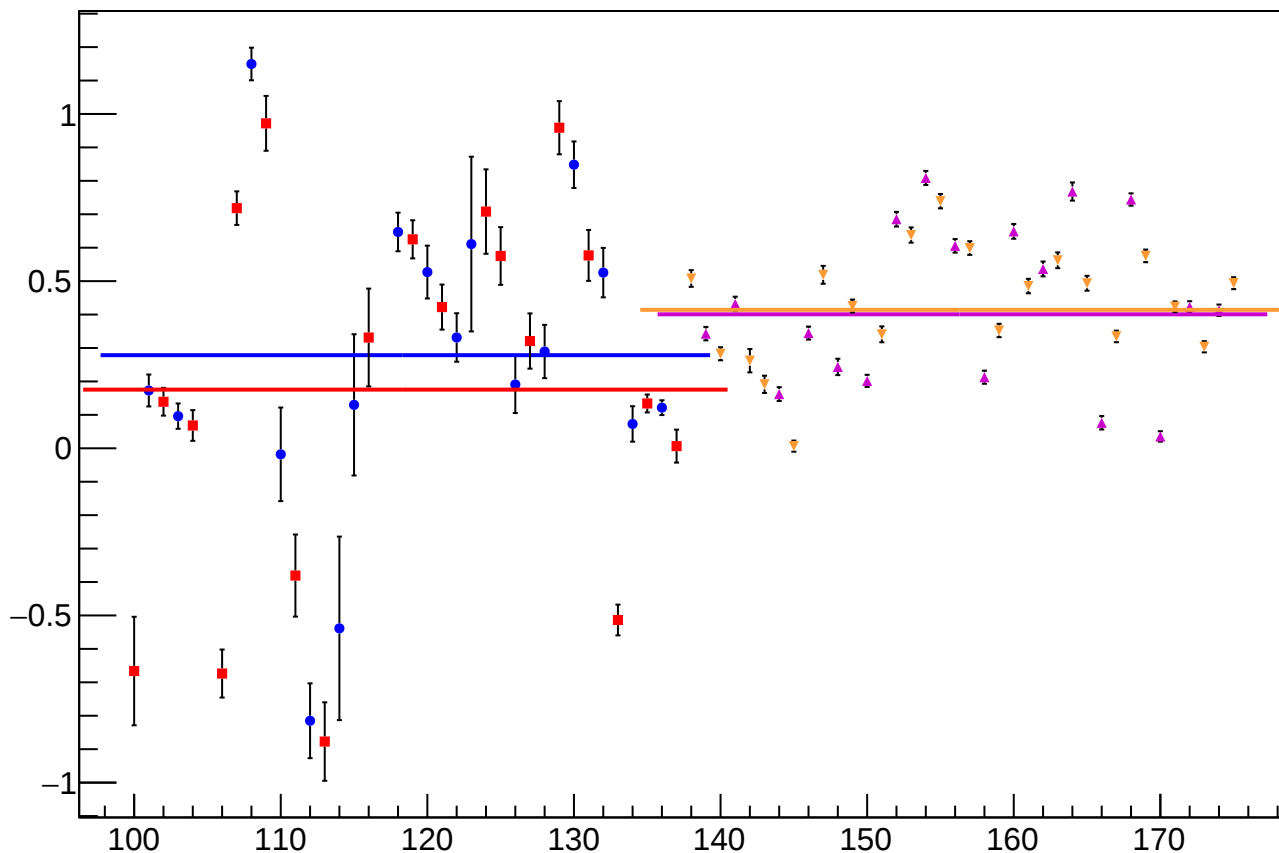
Left In: -73.409 ± 0.103 χ^2/NDF : 7747.2/17

+ sign -77.951 ± 0.092 χ^2/NDF : 23732.7/36

All: -77.852 ± 0.066 χ^2/NDF : 49389.8/73

- sign -77.746 ± 0.095 χ^2/NDF : 25654.7/36

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: 0.414 $\pm$ 0.005 χ^2 /NDF: 1411.7/19

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

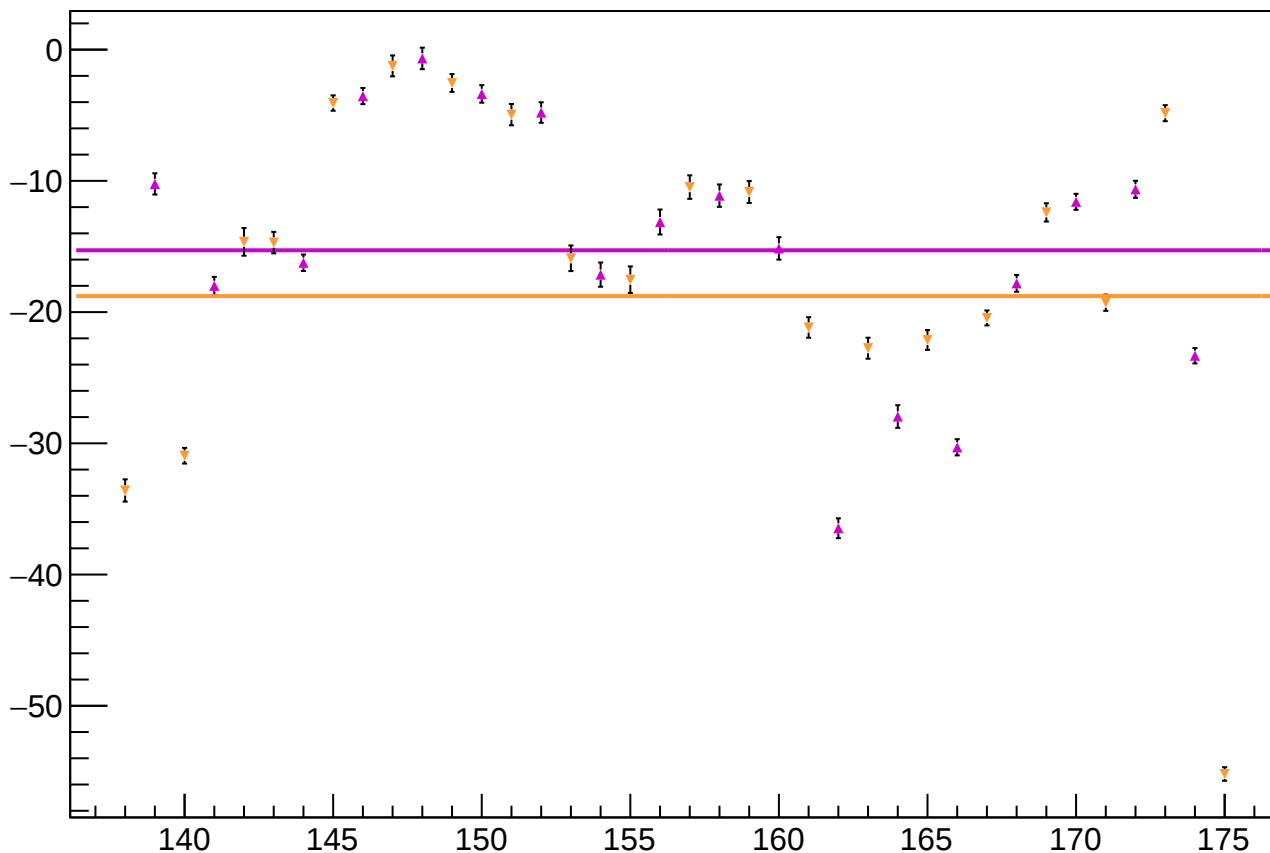
Left In: 0.401 $\pm$ 0.005 χ^2 /NDF: 2552.2/17

+ sign 0.400 $\pm$ 0.004 χ^2 /NDF: 2155.9/36

All: 0.389 $\pm$ 0.003 χ^2 /NDF: 5939.8/73

- sign 0.376 $\pm$ 0.004 χ^2 /NDF: 3769.1/36

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -18.780+/-0.161 χ^2/NDF : 8528.5/19

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

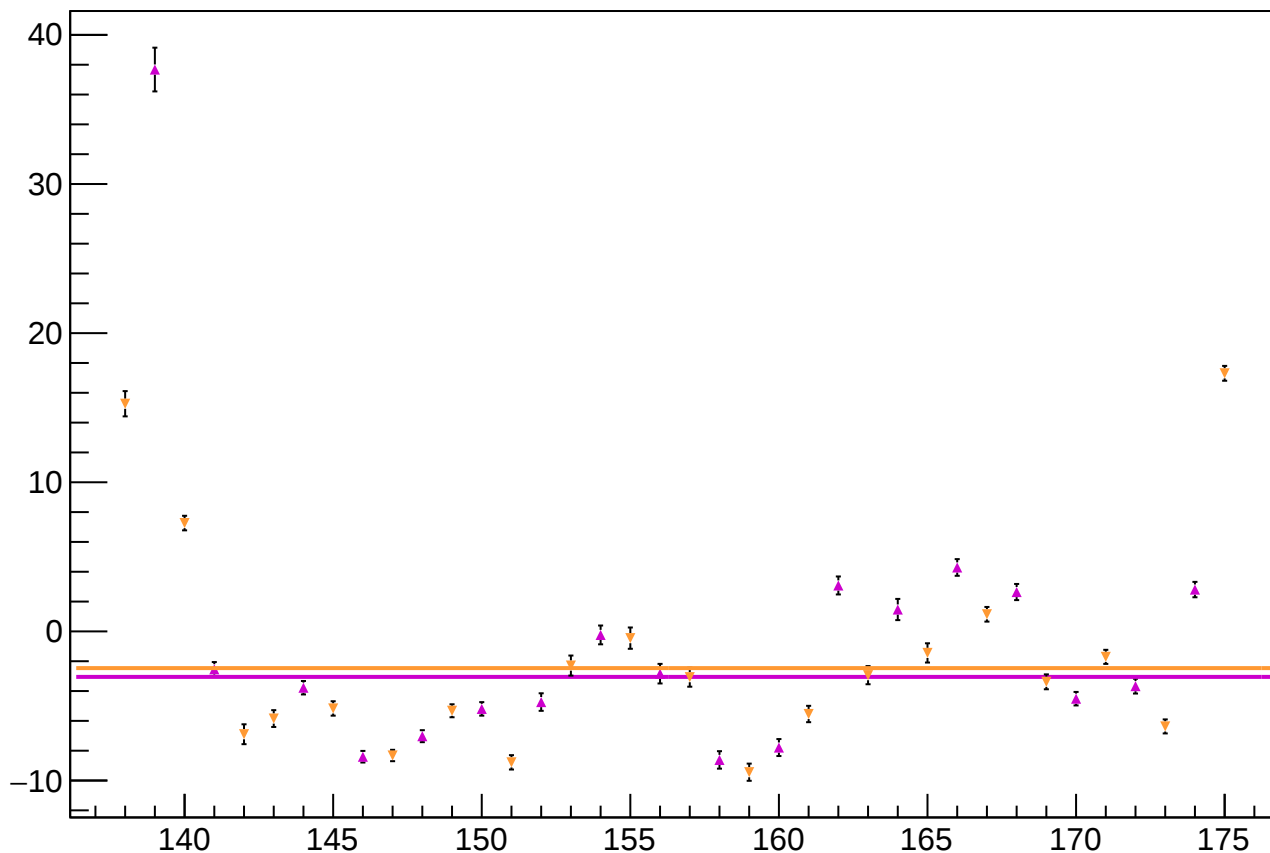
Left In: -15.290+/-0.168 χ^2/NDF : 3158.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.109+/-0.116 χ^2/NDF : 11911.4/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

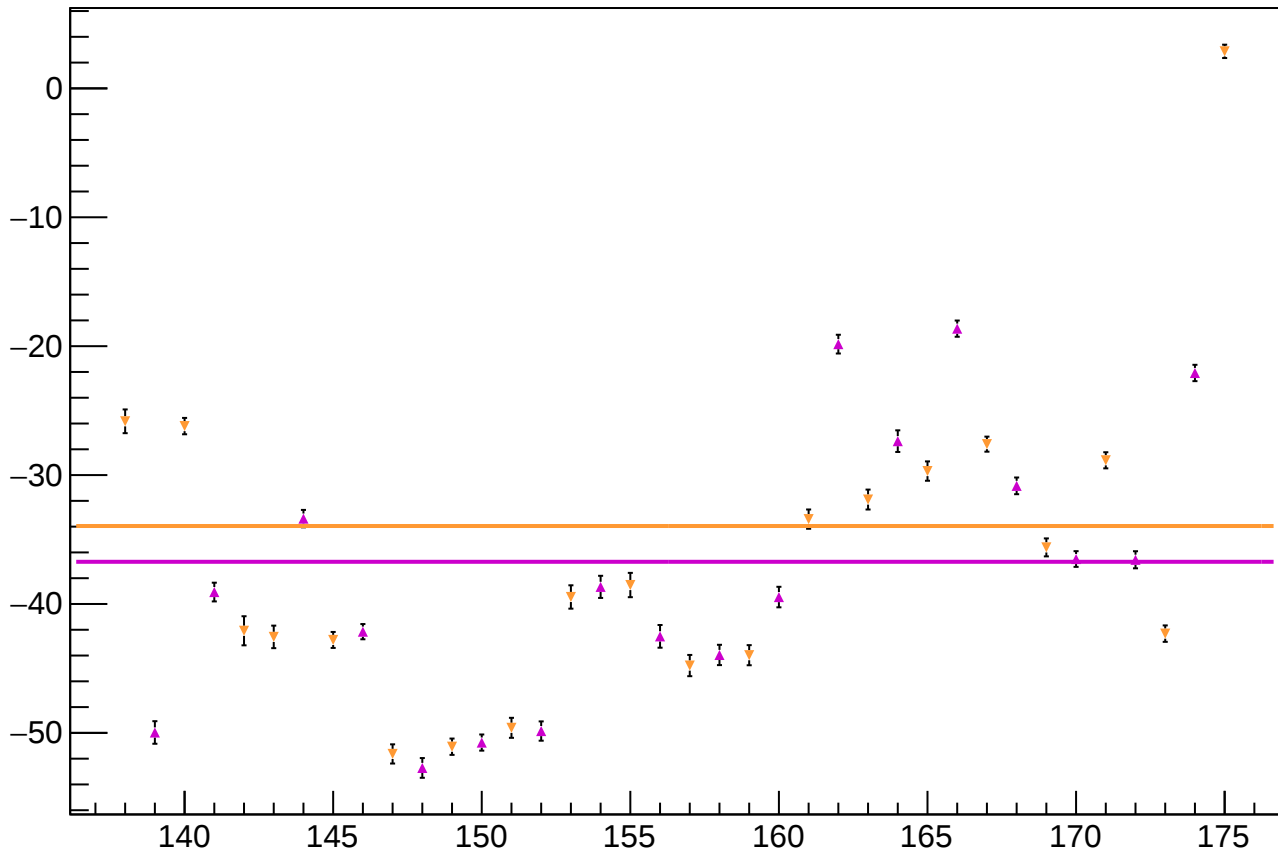
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.461+/-0.119 χ^2/NDF : 3291.9/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.051+/-0.124 χ^2/NDF : 1839.2/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -2.743+/-0.086 χ^2/NDF : 5142.9/37
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -33.951 ± 0.161 χ^2/NDF : 8129.3/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

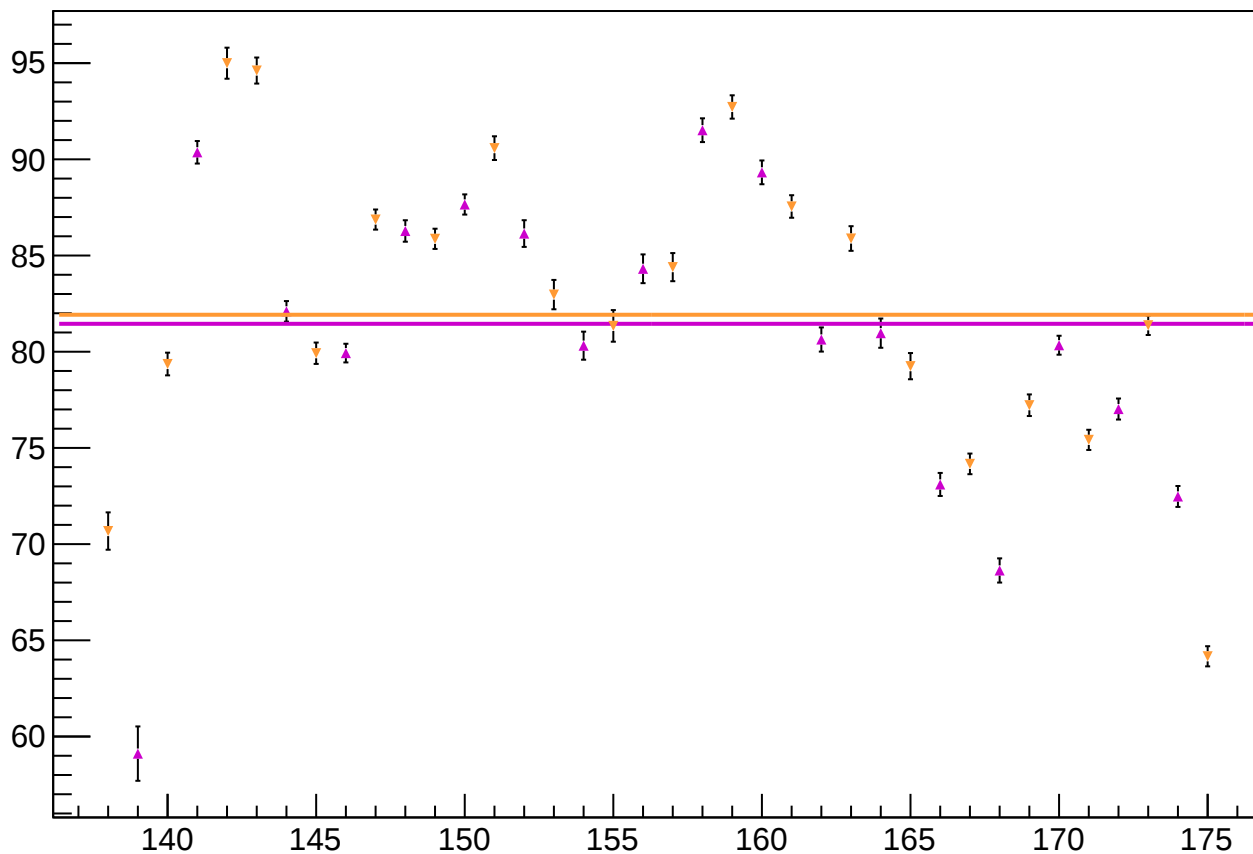
Left In: -36.727 ± 0.167 χ^2/NDF : 3843.6/17

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -35.284 ± 0.116 χ^2/NDF : 12116.2/37

- 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: 81.922+/-0.136 χ^2/NDF :3182.5/19

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

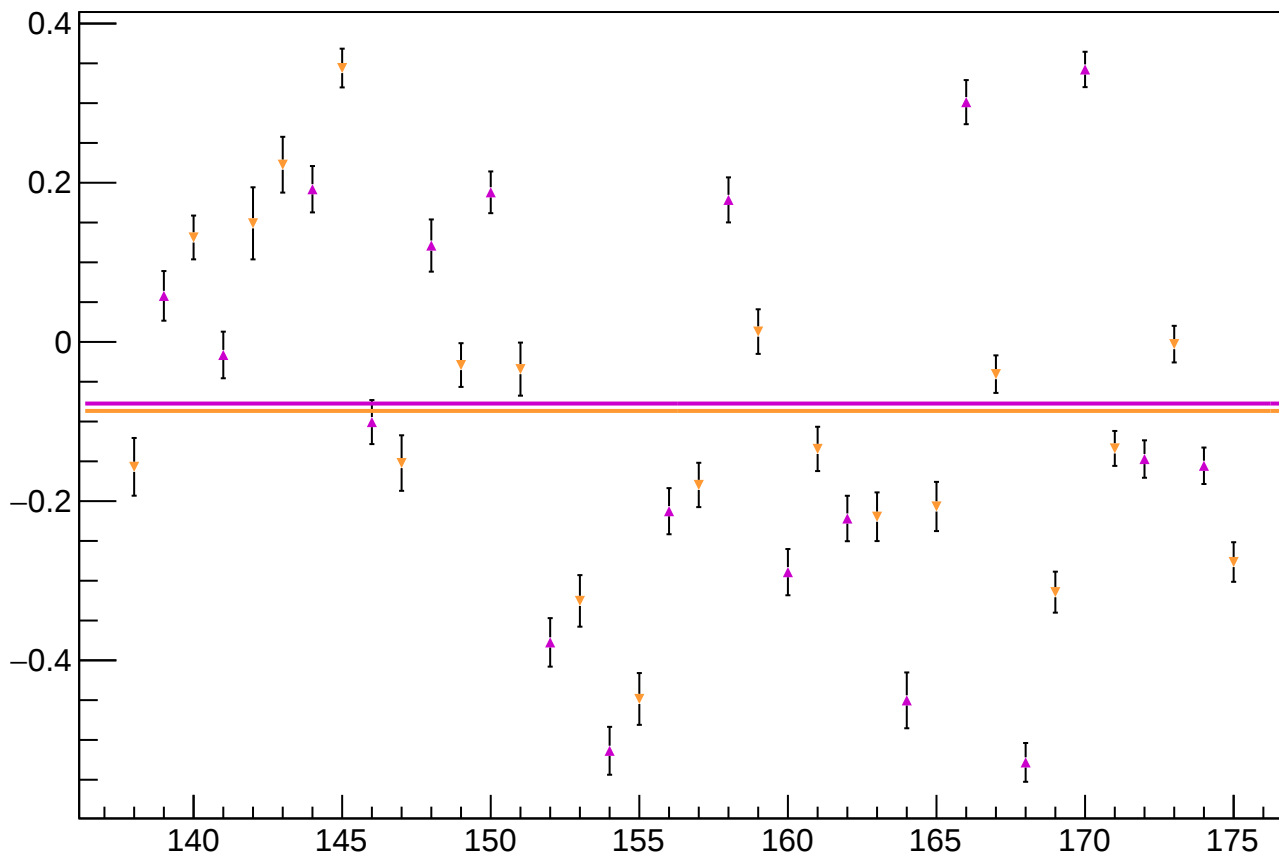
Left In: 81.451+/-0.142 χ^2/NDF :2152.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 81.697+/-0.098 χ^2/NDF : 5341.1/37

- 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: -0.087 $\pm$ 0.006 χ^2 /NDF:891.9/19

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

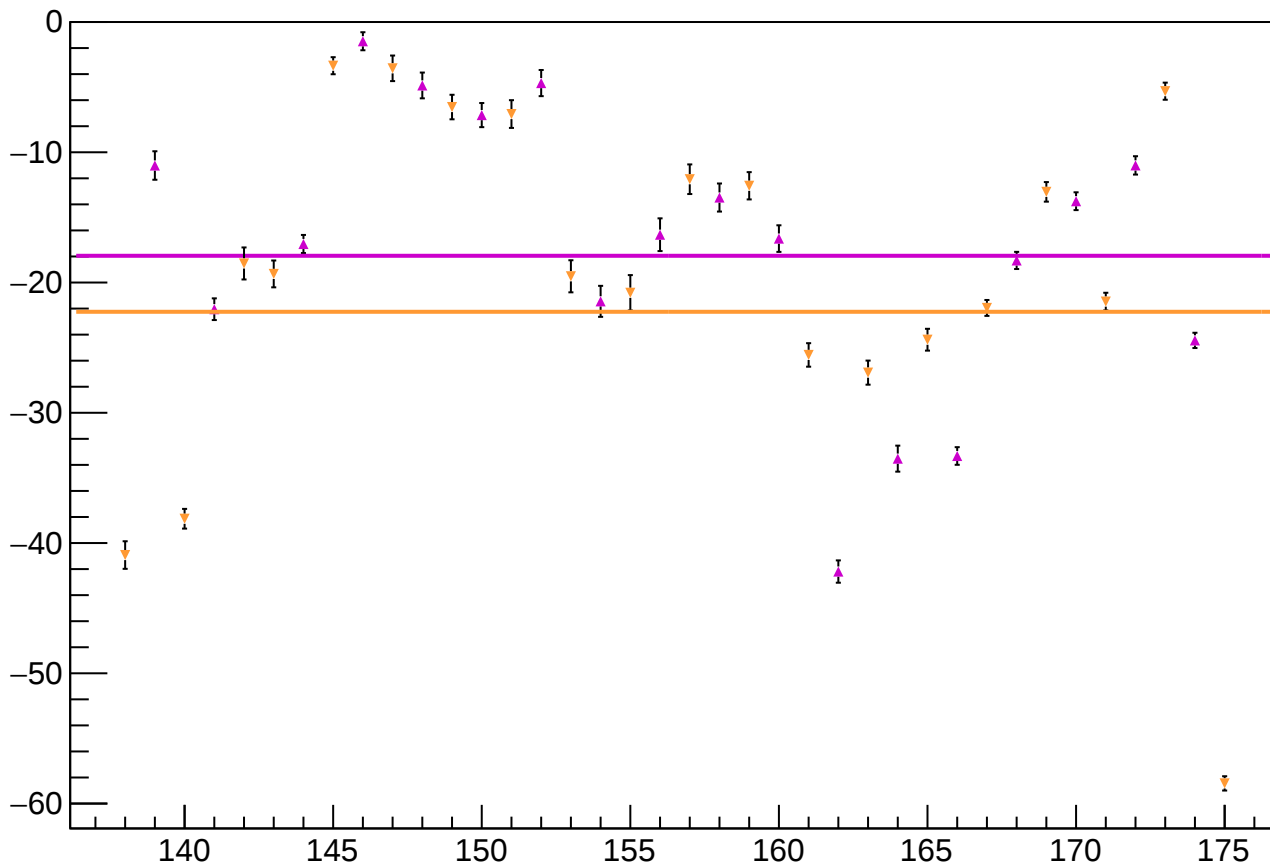
Left In: -0.077 $\pm$ 0.007 χ^2 /NDF:1757.3/17

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

All: -0.082 $\pm$ 0.005 χ^2 /NDF: 2650.3/37

- 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: -22.246+/-0.187 χ^2/NDF : 7828.0/19

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

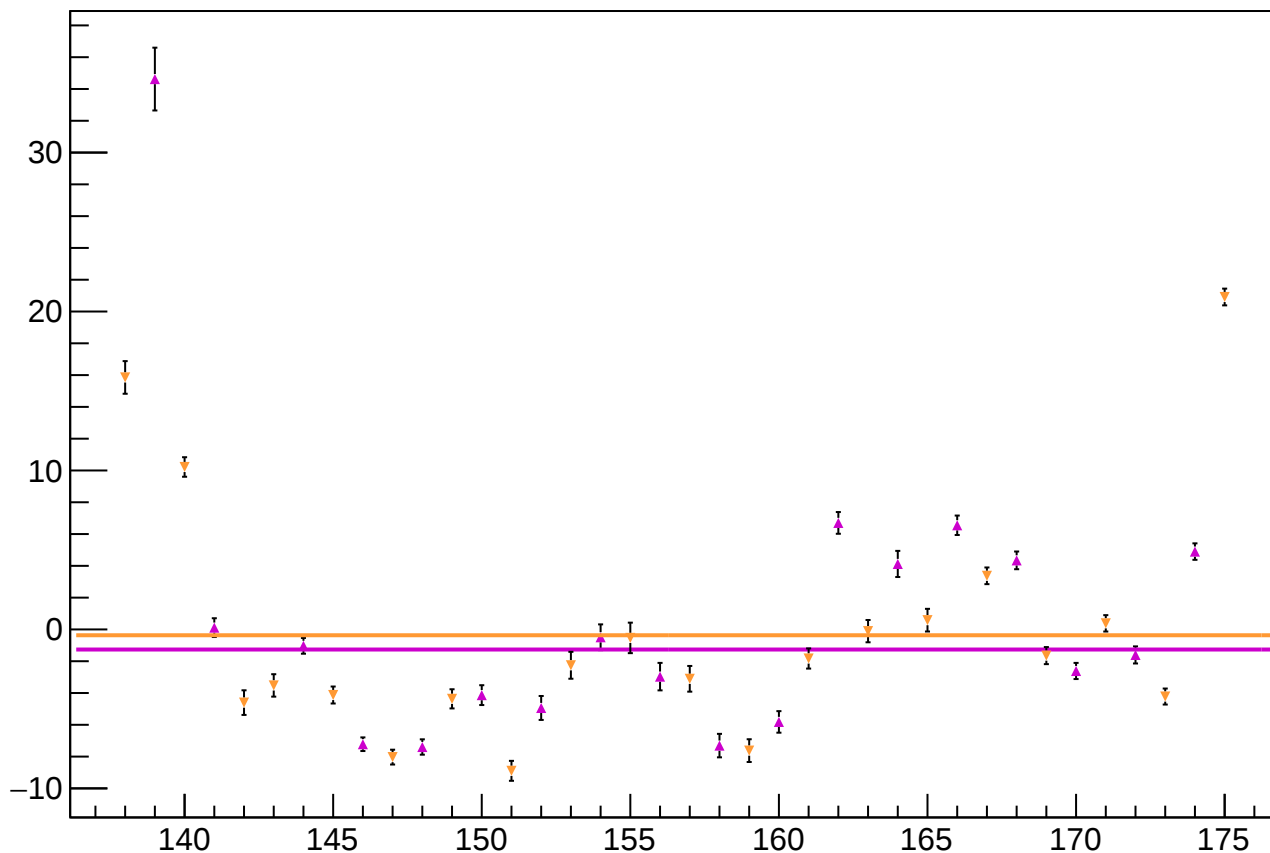
Left In: -17.946+/-0.194 χ^2/NDF : 2962.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.170+/-0.134 χ^2/NDF : 11046.1/37

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -0.366+/-0.139 χ^2/NDF : 3021.2/19

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

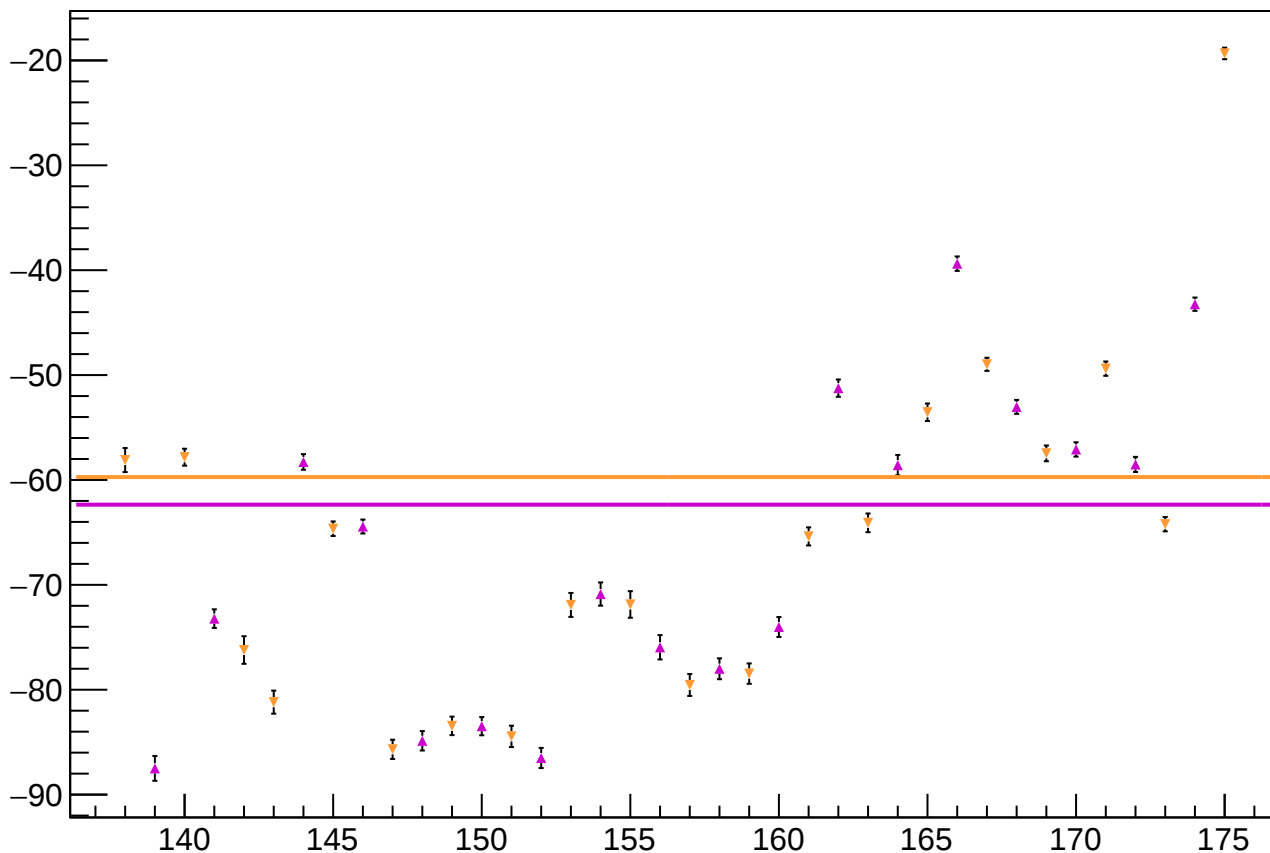
Left In: -1.264+/-0.143 χ^2/NDF : 1444.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.803+/-0.100 χ^2/NDF : 4485.6/37

- sign 0.000+/-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: -59.725+/-0.187 χ^2/NDF : 9742.0/19

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

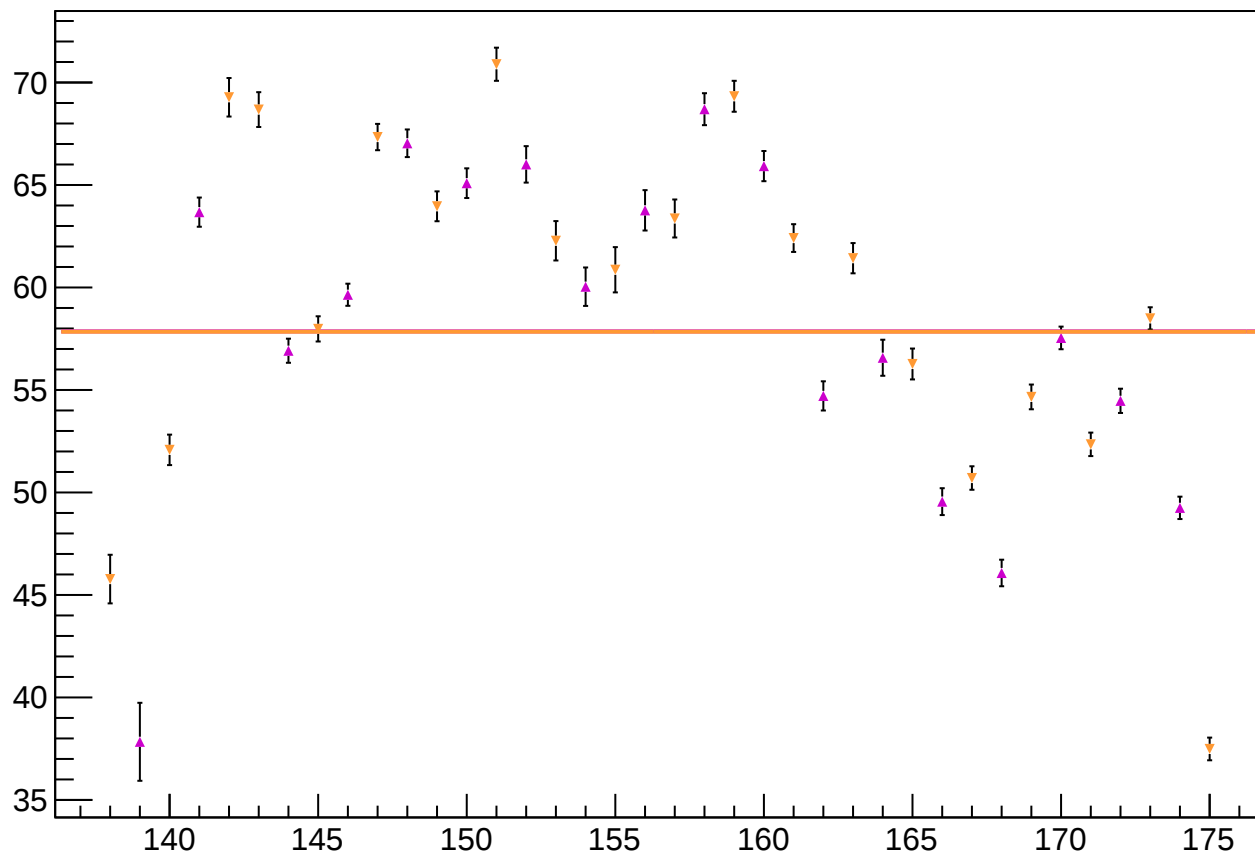
Left In: -62.356+/-0.193 χ^2/NDF : 5543.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -60.997+/-0.135 χ^2/NDF : 15381.4/37

- 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 57.842 $\pm$ 0.159 χ^2 /NDF:3023.1/19

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

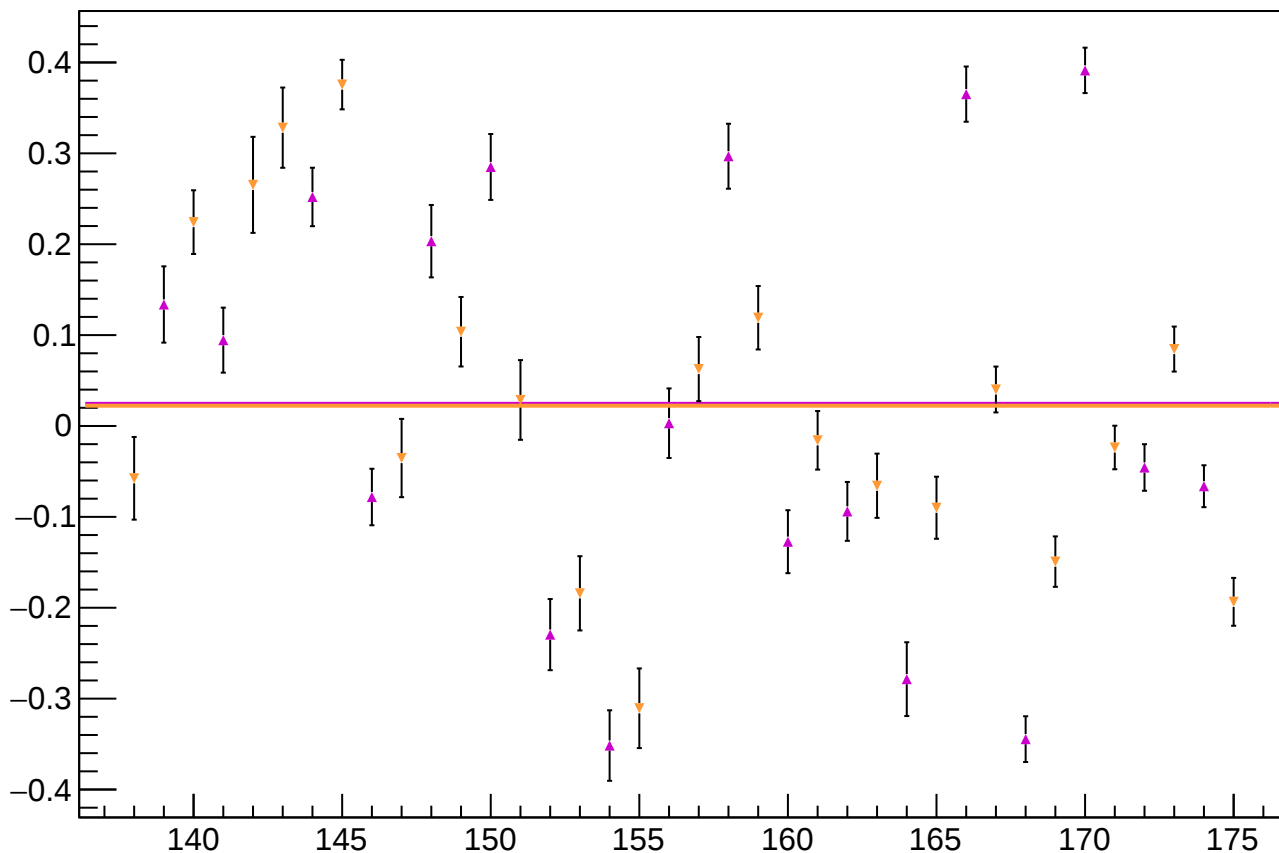
Left In: 57.858 $\pm$ 0.164 χ^2 /NDF:1710.1/17

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

All: 57.850 $\pm$ 0.114 χ^2 /NDF: 4733.2/37

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

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.022 $\pm$ 0.007 χ^2 /NDF:506.4/19

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

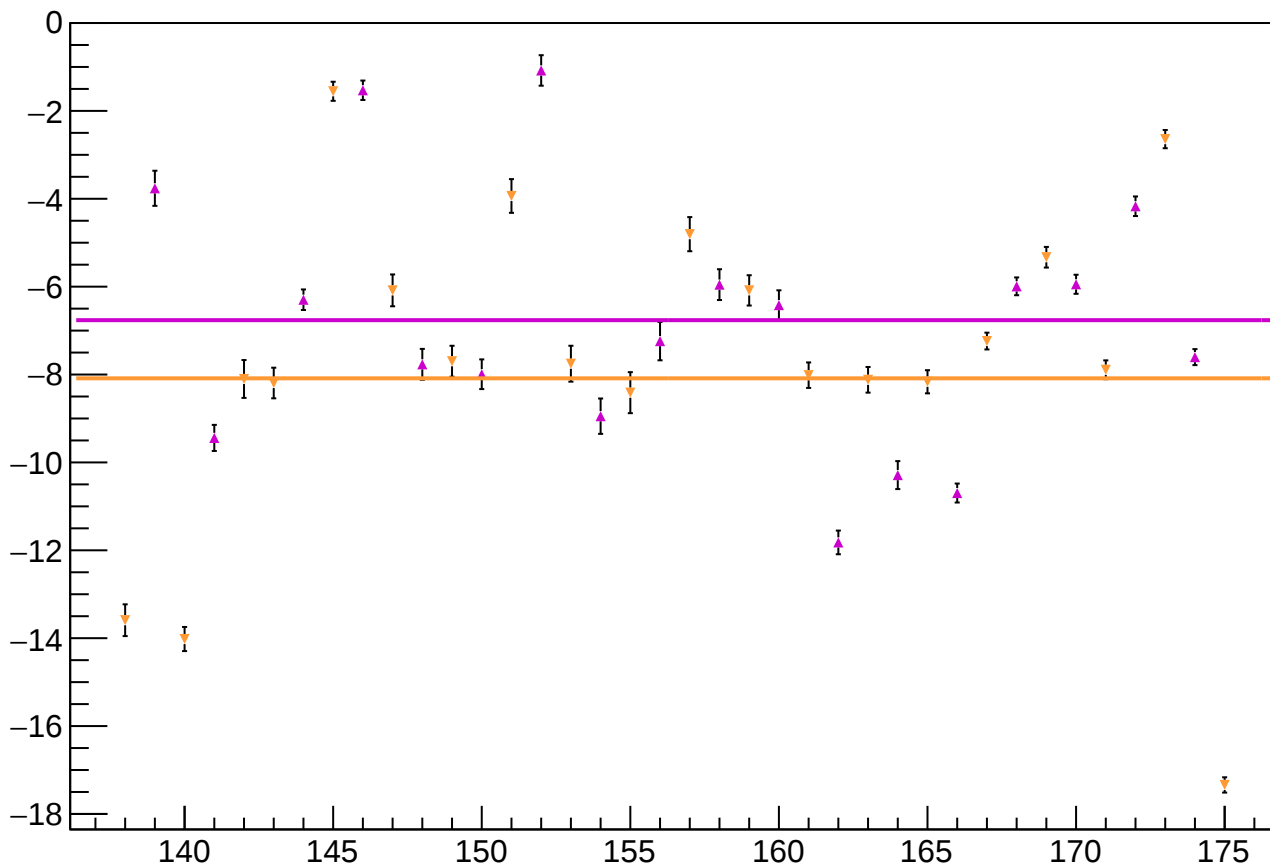
Left In: 0.024 $\pm$ 0.008 χ^2 /NDF:1005.4/17

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

All: 0.023 $\pm$ 0.005 χ^2 /NDF: 1511.8/37

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

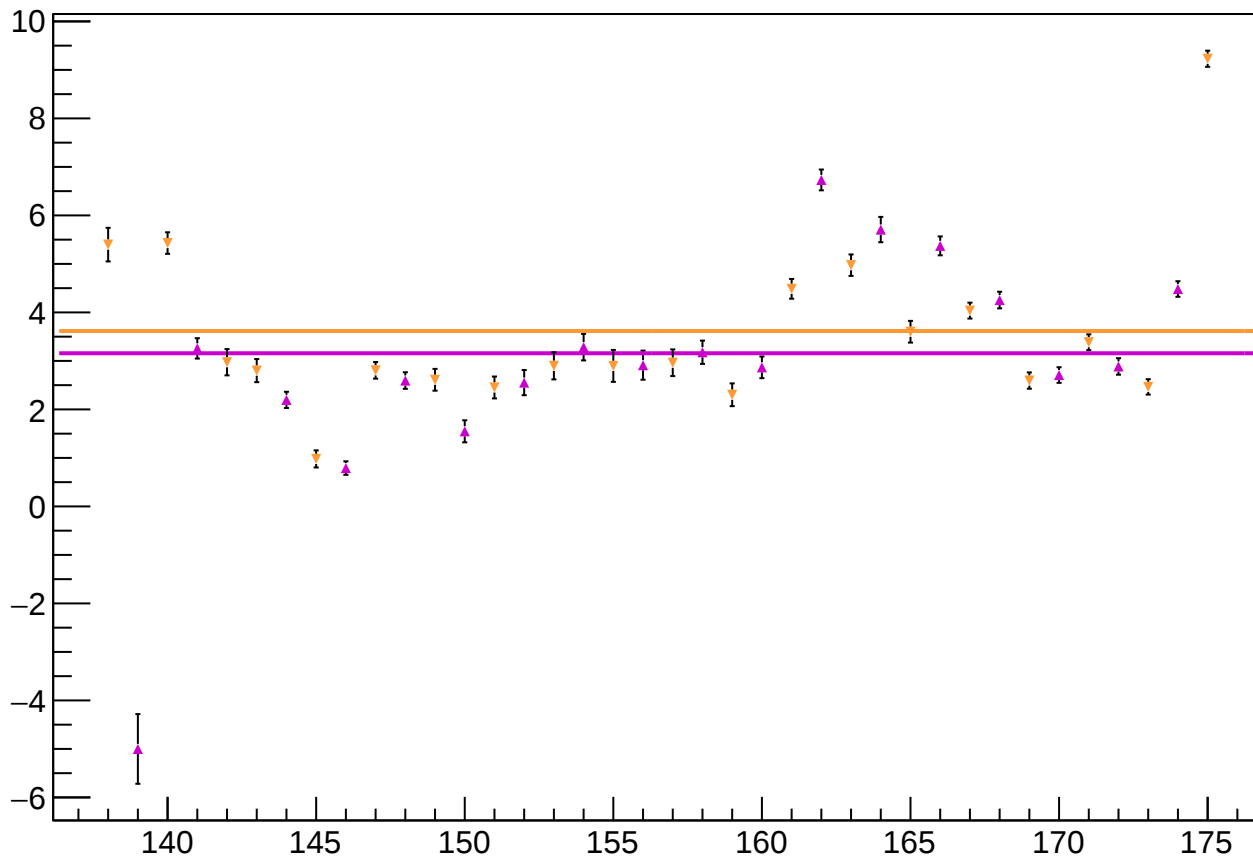
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.086+/-0.061 χ^2/NDF :5534.9/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.763+/-0.063 χ^2/NDF :2022.5/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -7.443+/-0.044 χ^2/NDF : 7783.3/37
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 3.617 ± 0.046 χ^2/NDF : 1738.3/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

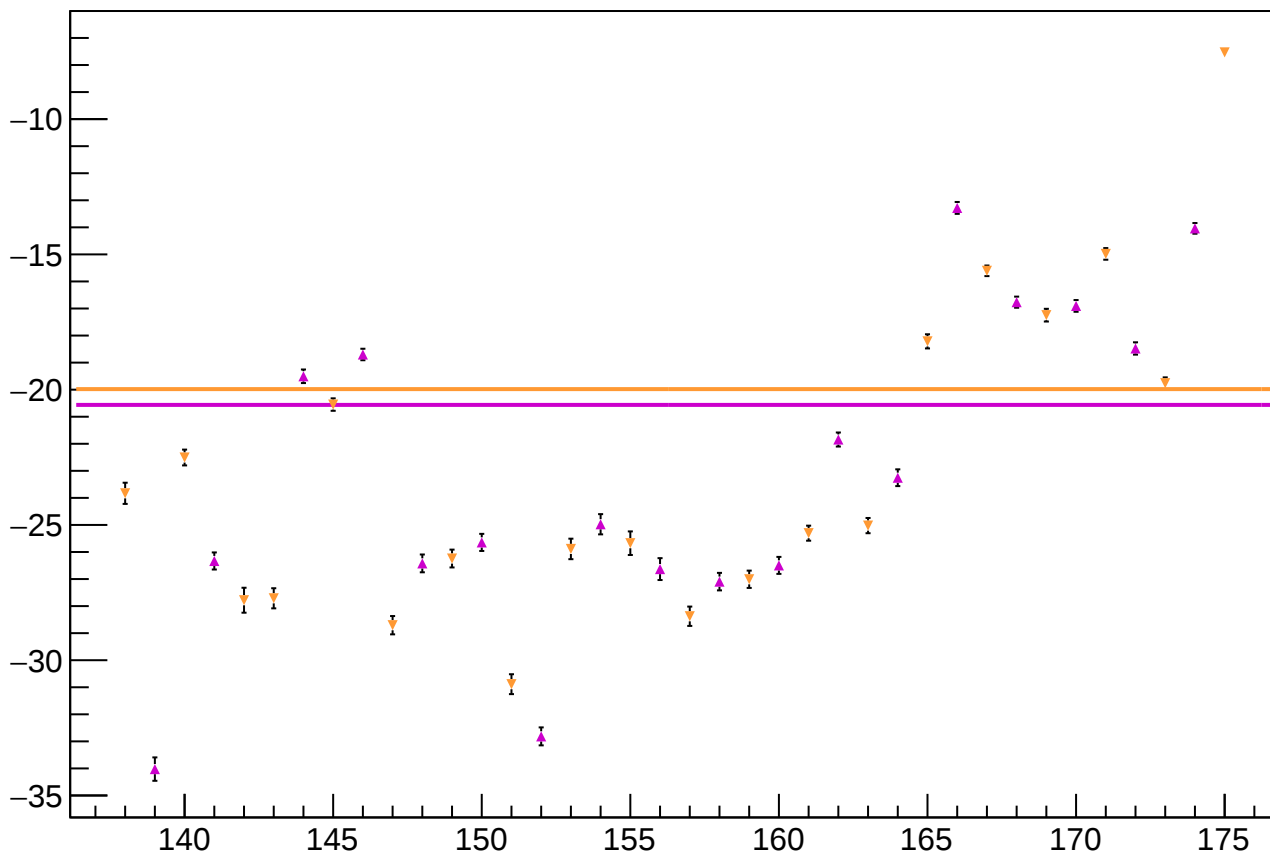
Left In: 3.158 ± 0.047 χ^2/NDF : 1140.1/17

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: 3.392 ± 0.033 χ^2/NDF : 2926.8/37

- sign 0.000 ± 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: -19.979+/-0.061 χ^2/NDF : 11252.7/19

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

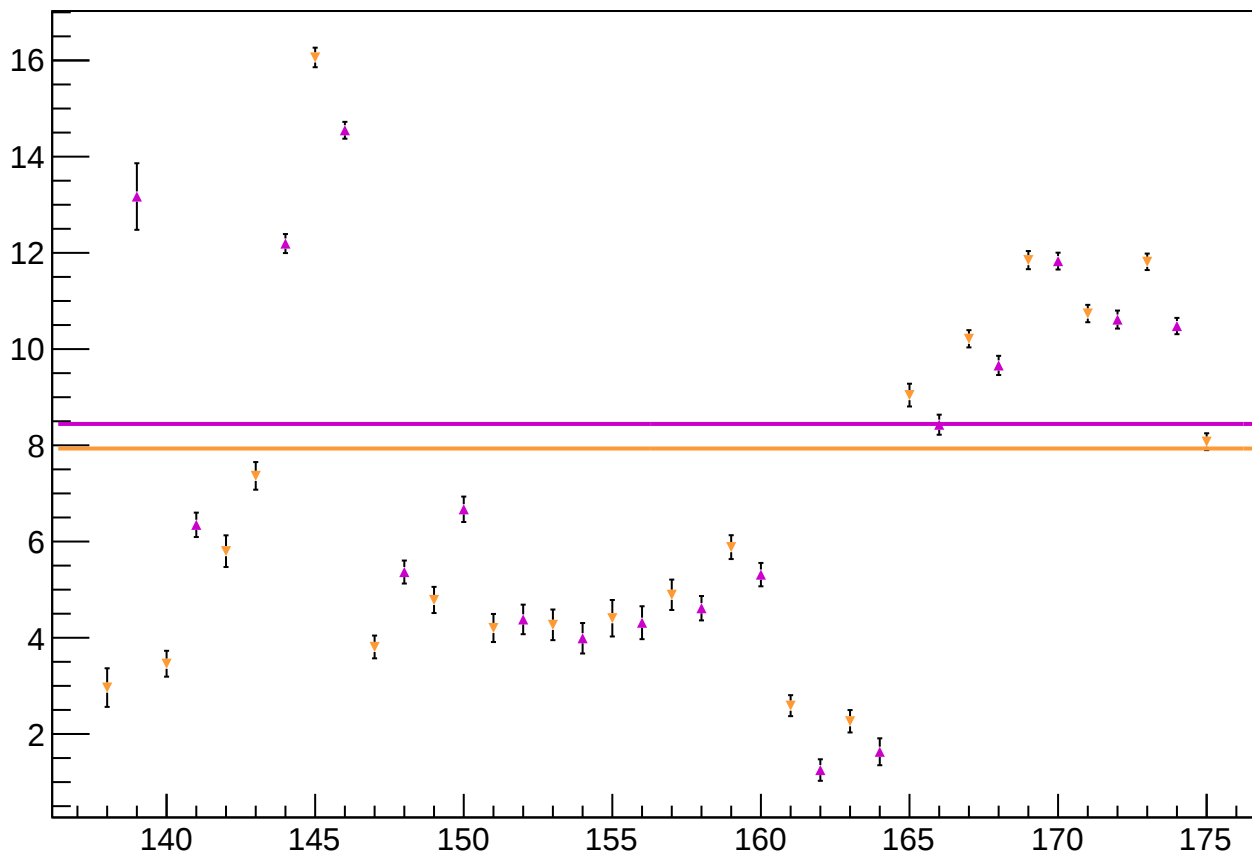
Left In: -20.563+/-0.063 χ^2/NDF : 7464.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.263+/-0.044 χ^2/NDF : 18760.5/37

- 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: 7.933+/-0.052 χ^2/NDF :5622.3/19

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

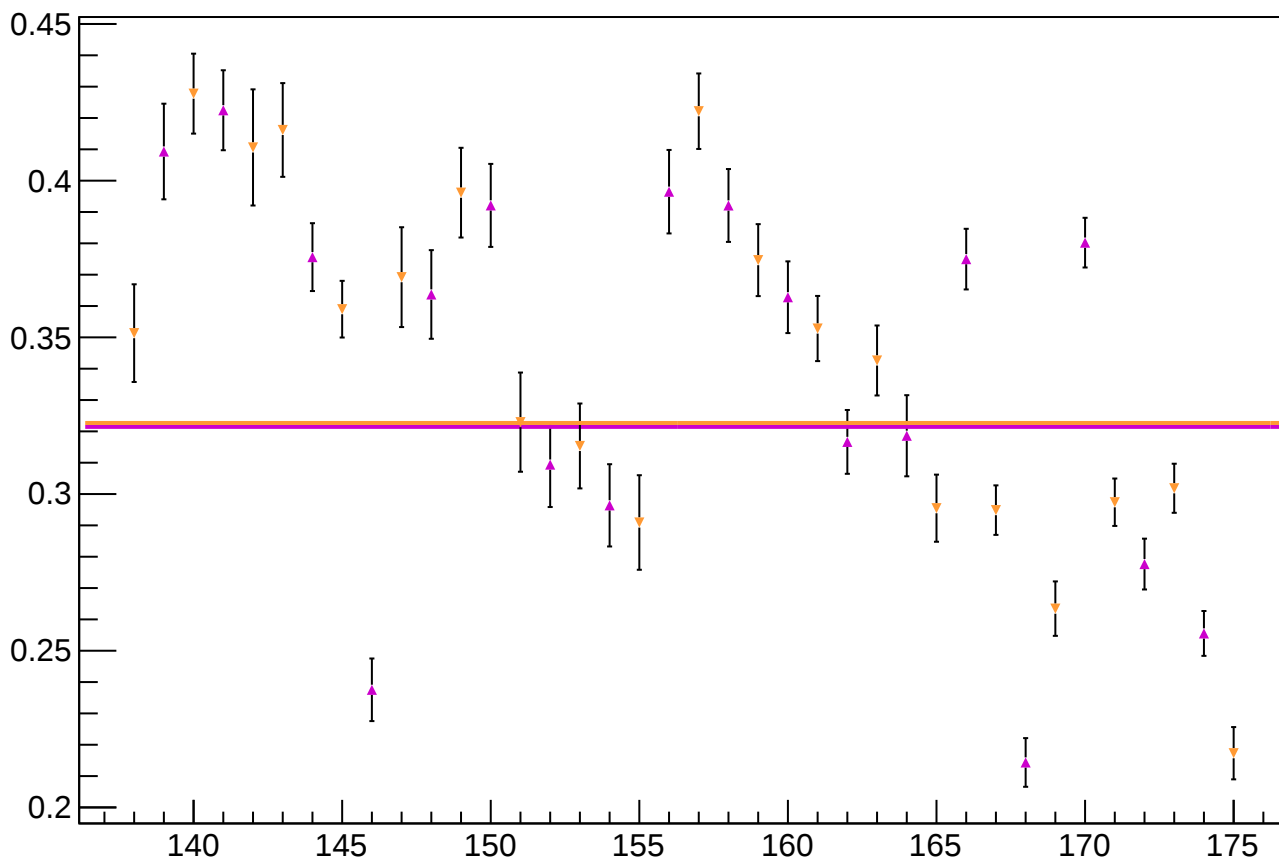
Left In: 8.444+/-0.054 χ^2/NDF :5135.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 8.182+/-0.037 χ^2/NDF : 10804.1/37

- 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: 0.323 $\pm$ 0.002 χ^2 /NDF:532.0/19

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

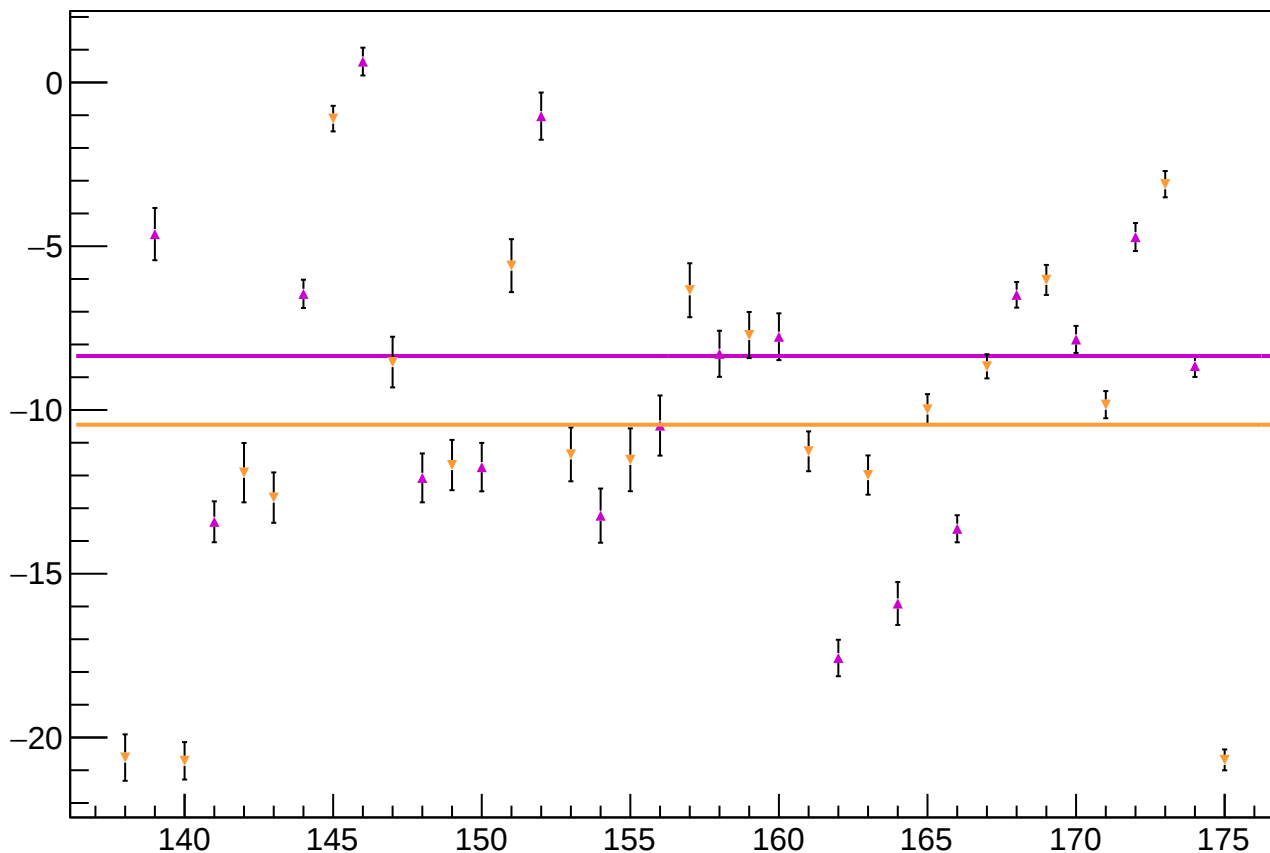
Left In: 0.321 $\pm$ 0.002 χ^2 /NDF:704.9/17

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

All: 0.322 $\pm$ 0.002 χ^2 /NDF: 1237.0/37

- 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -10.450 $\pm$ 0.120 χ^2 /NDF: 2694.3/19

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

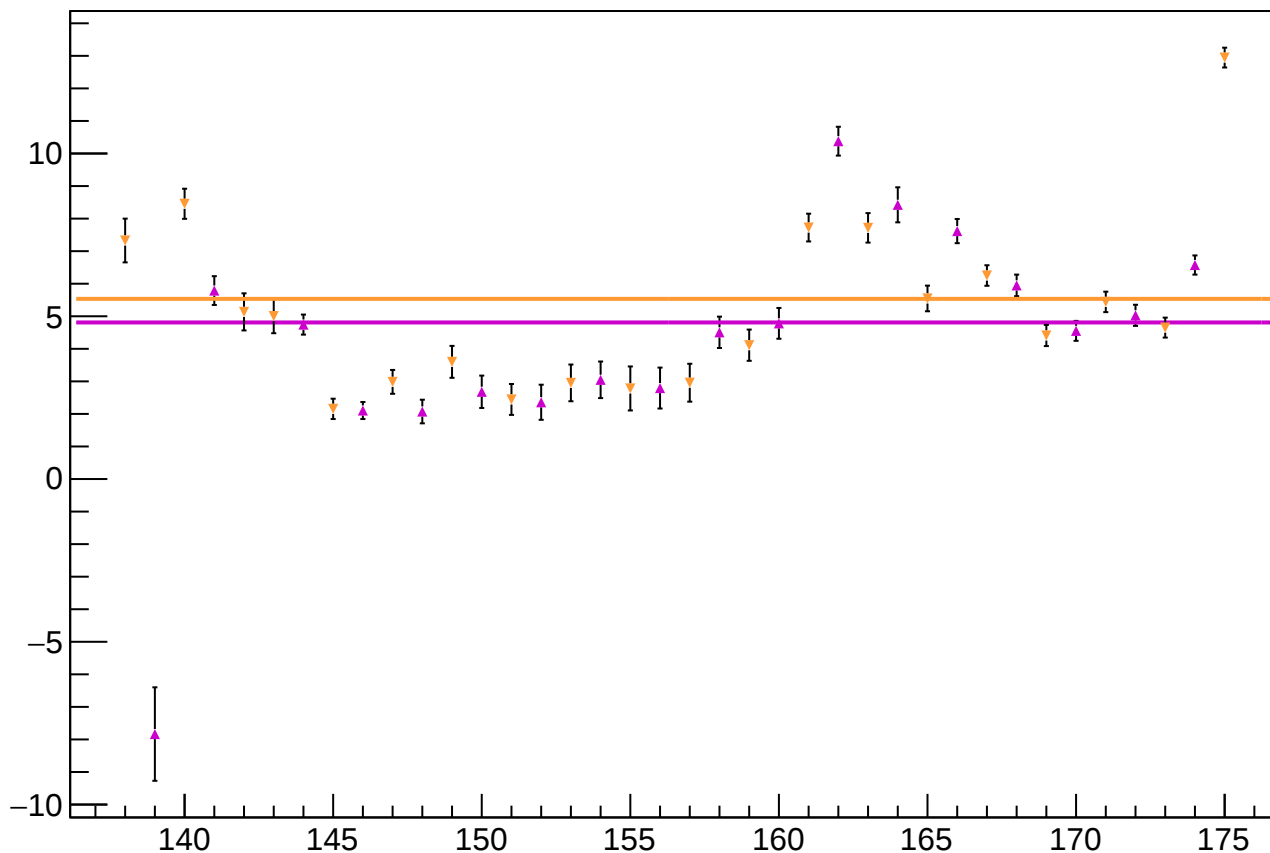
Left In: -8.352 $\pm$ 0.124 χ^2 /NDF: 1413.3/17

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

All: -9.433 $\pm$ 0.086 χ^2 /NDF: 4256.0/37

- sign 0.000 $\pm$ 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: 5.535 $\pm$ 0.091 χ^2 /NDF:1005.5/19

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

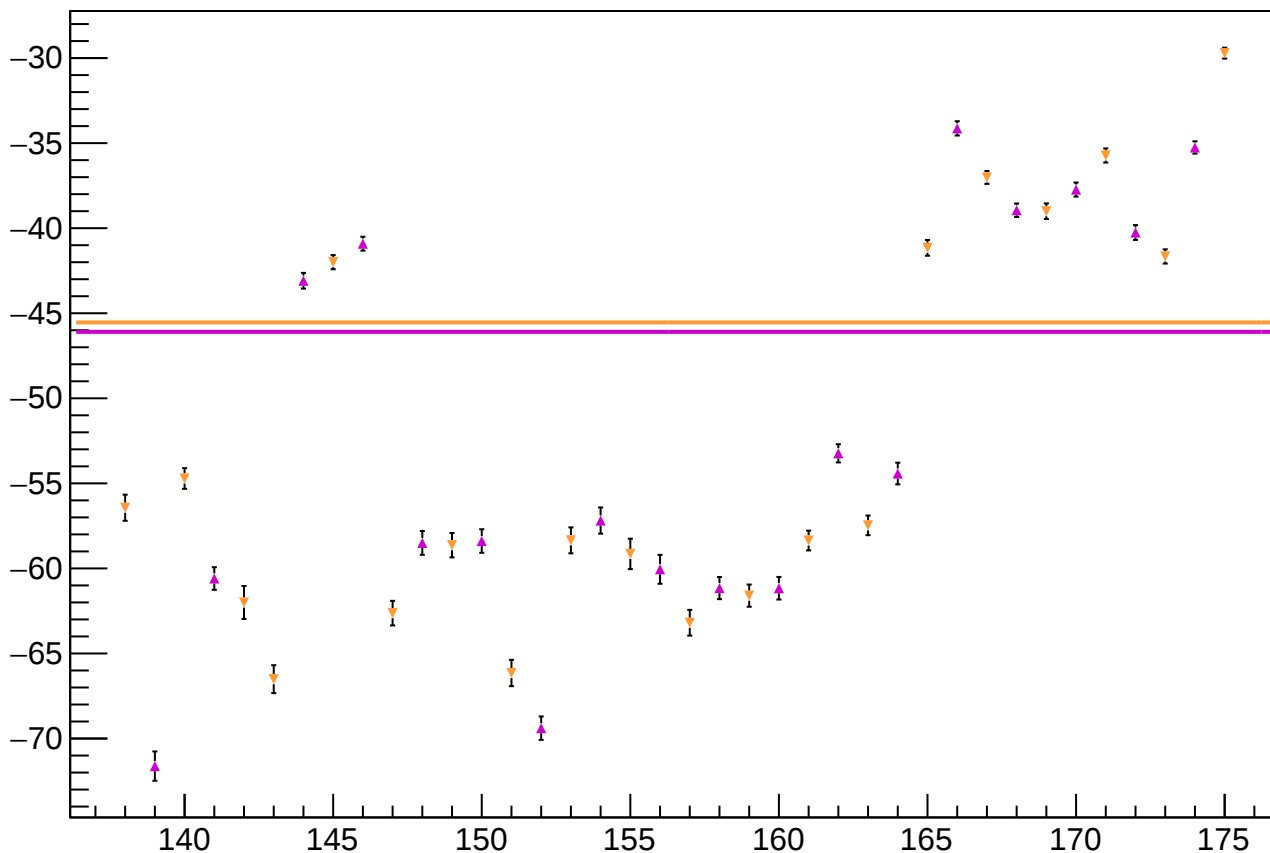
Left In: 4.810 $\pm$ 0.093 χ^2 /NDF:614.3/17

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

All: 5.178 $\pm$ 0.065 χ^2 /NDF: 1651.0/37

- 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: -45.540+/-0.120 χ^2/NDF : 9508.9/19

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

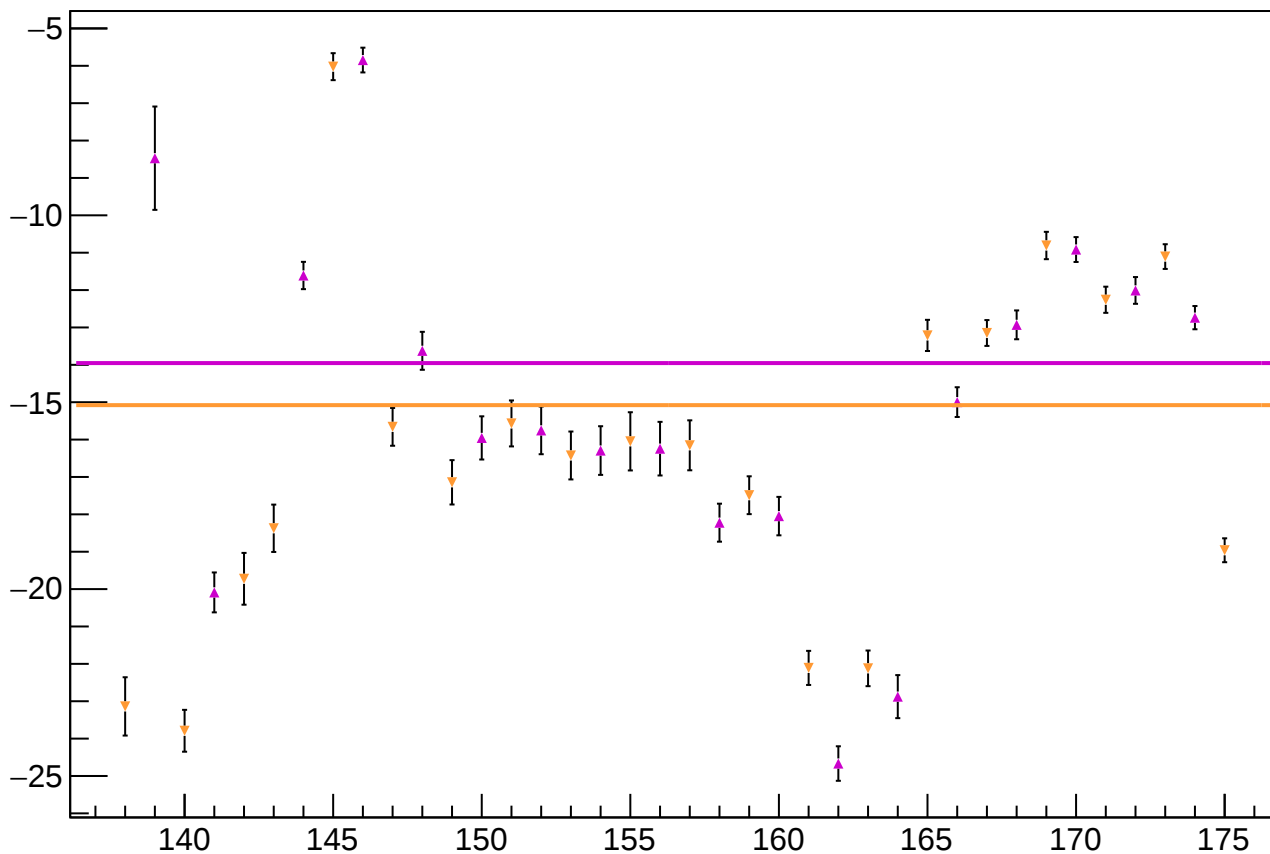
Left In: -46.094+/-0.124 χ^2/NDF : 7819.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -45.808+/-0.086 χ^2/NDF : 17338.5/37

- 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: -15.078+/-0.103 χ^2/NDF : 2095.8/19

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

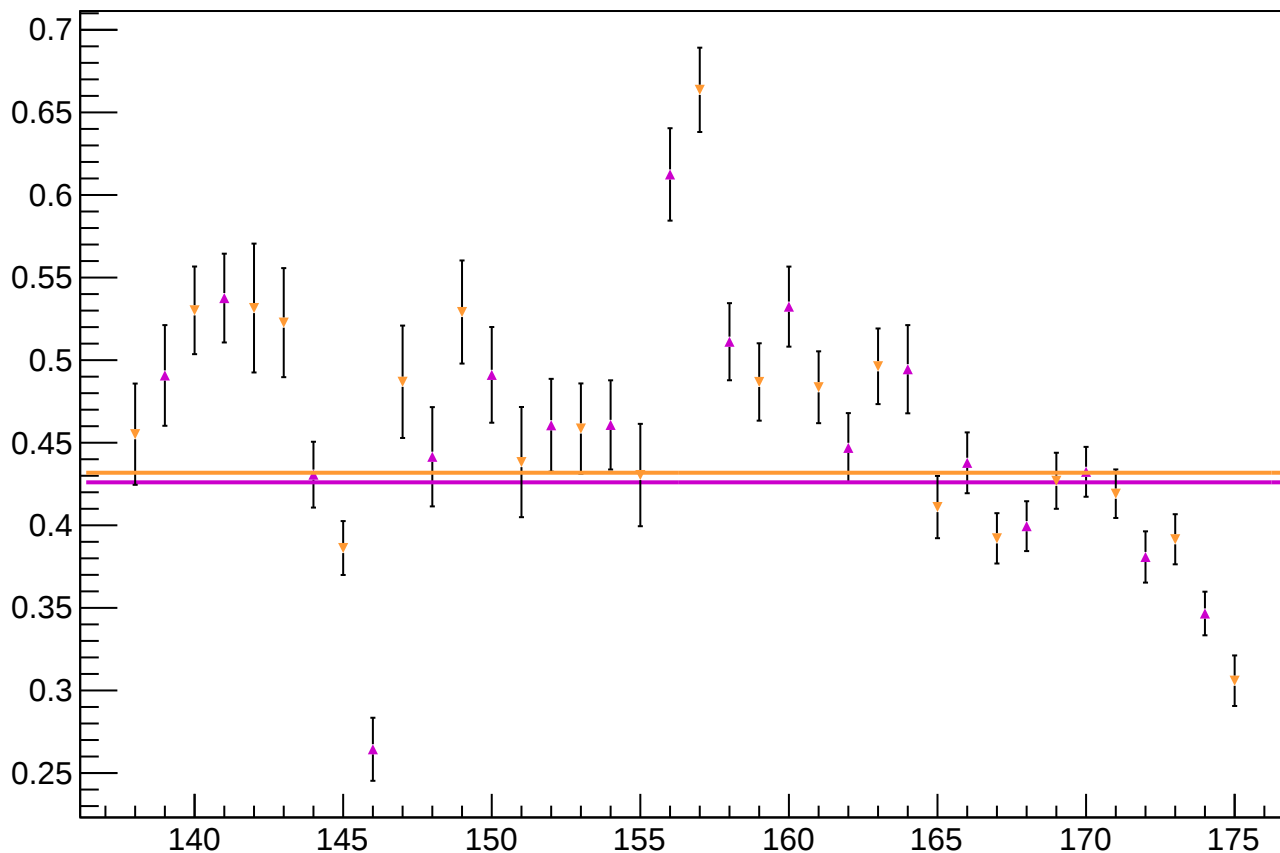
Left In: -13.953+/-0.106 χ^2/NDF : 1886.2/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -14.530+/-0.074 χ^2/NDF : 4040.3/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

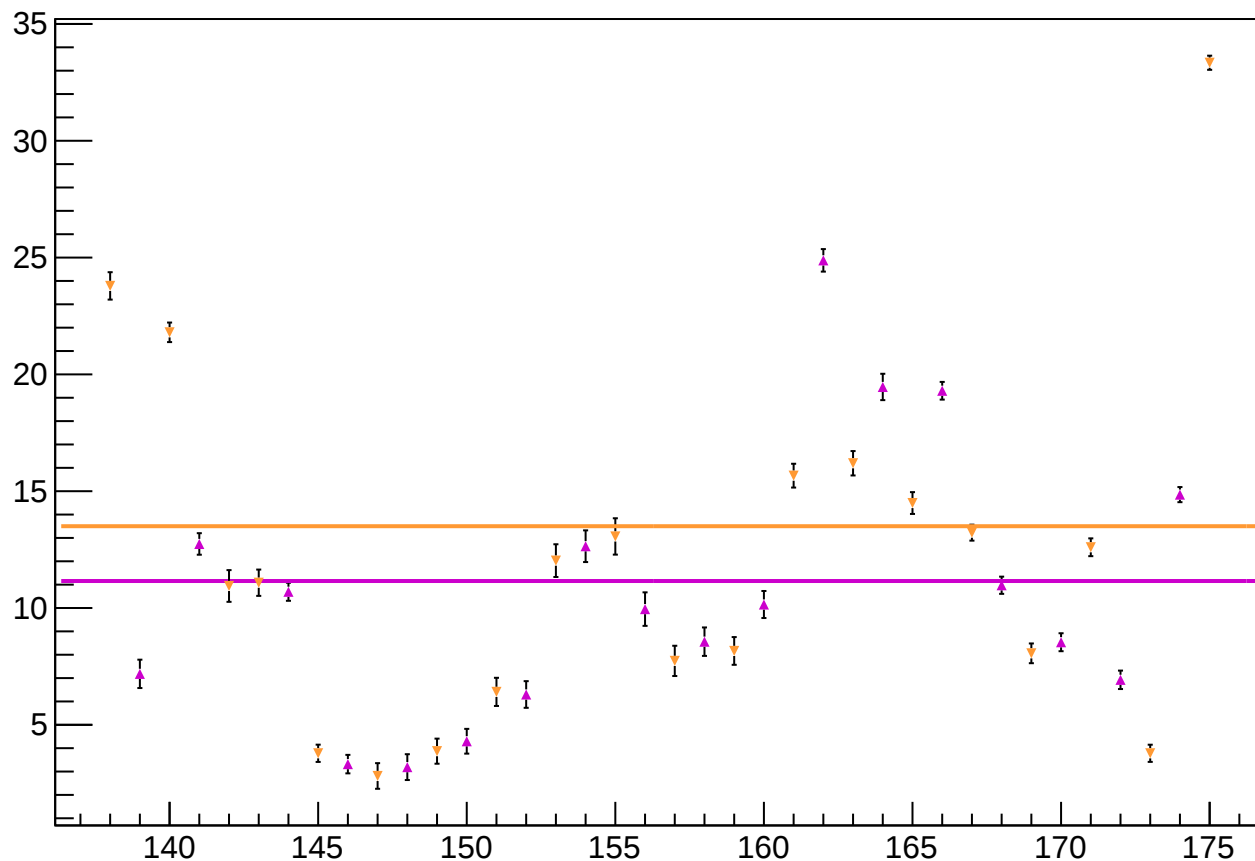
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.432 $\pm$ 0.005 χ^2 /NDF:234.7/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.426 $\pm$ 0.005 χ^2 /NDF:234.8/17

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.429 $\pm$ 0.003 χ^2 /NDF: 470.3/37
 - 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: 13.501+/-0.105 χ^2/NDF : 7641.9/19

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

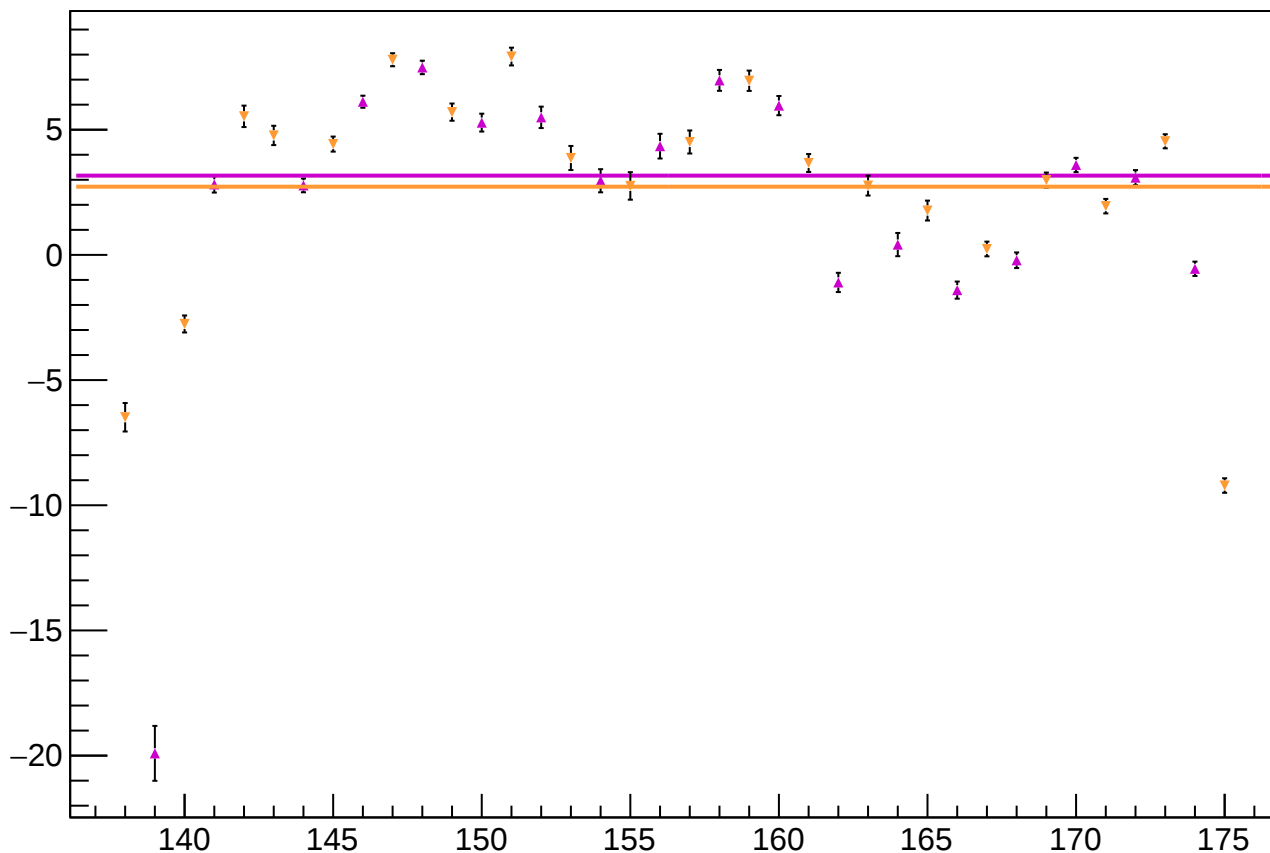
Left In: 11.156+/-0.109 χ^2/NDF : 2706.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 12.372+/-0.075 χ^2/NDF : 10590.3/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 2.724 $\pm$ 0.078 χ^2 /NDF:3245.6/19

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

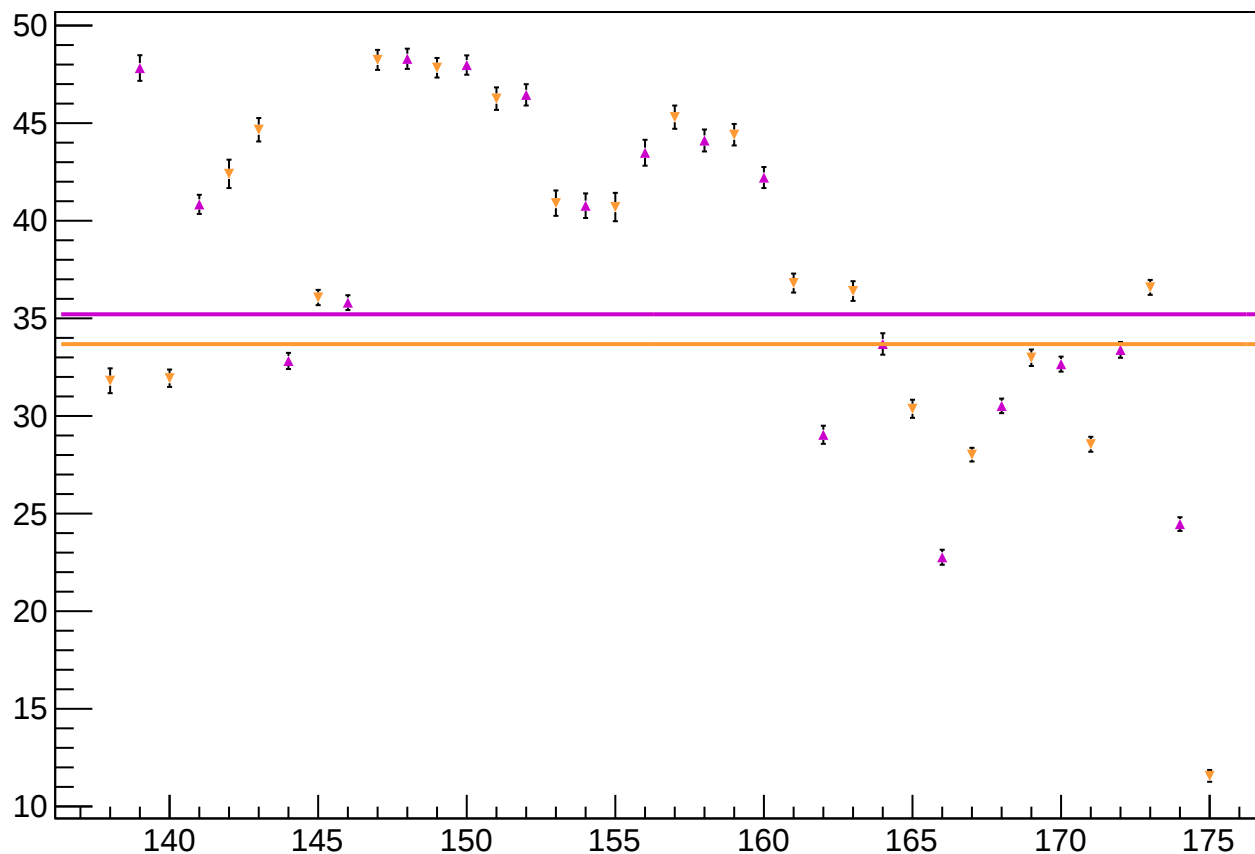
Left In: 3.166 $\pm$ 0.080 χ^2 /NDF:1685.7/17

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

All: 2.938 $\pm$ 0.056 χ^2 /NDF: 4946.9/37

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

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 33.680+/-0.105 χ^2/NDF : 9528.2/19

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

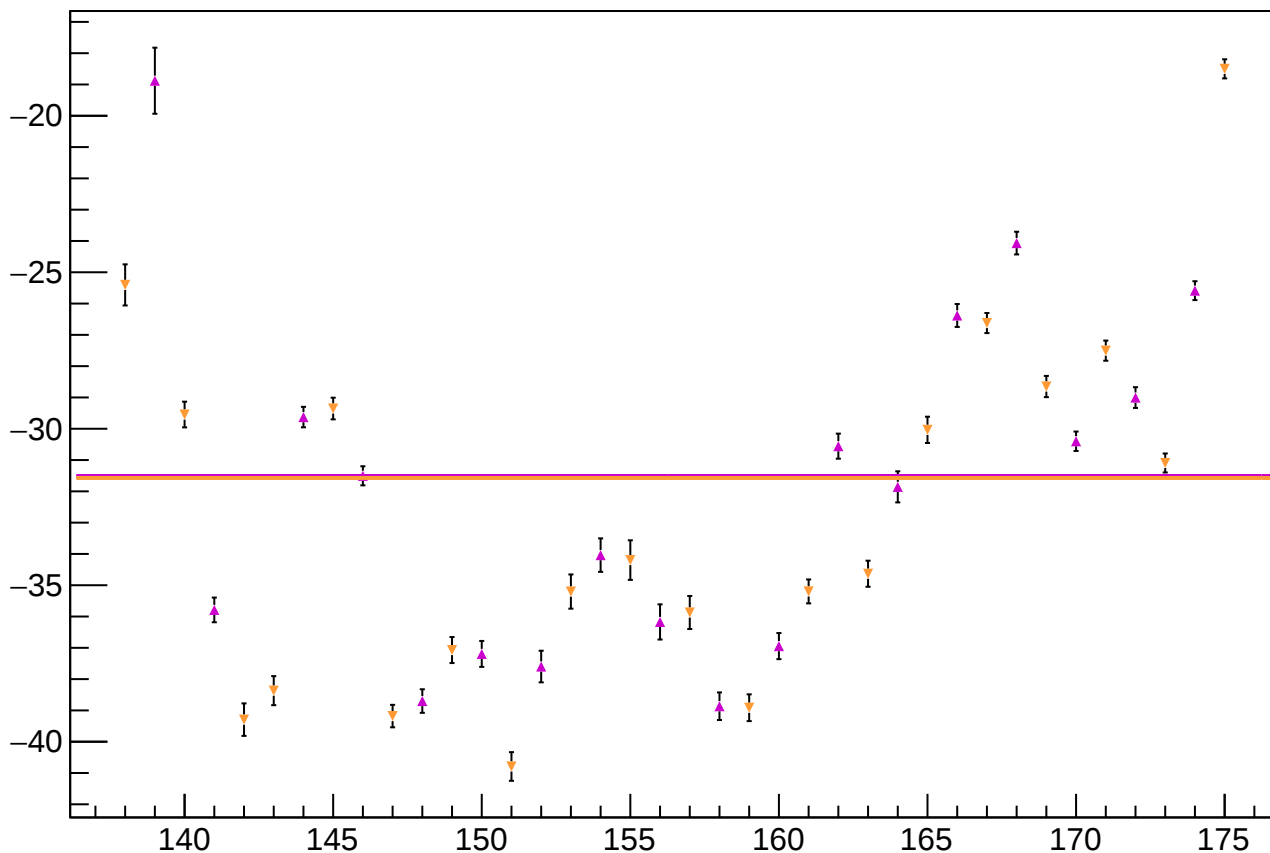
Left In: 35.208+/-0.109 χ^2/NDF : 5298.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 34.417+/-0.075 χ^2/NDF : 14929.1/37

- 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: -31.573+/-0.089 χ^2/NDF : 4507.6/19

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

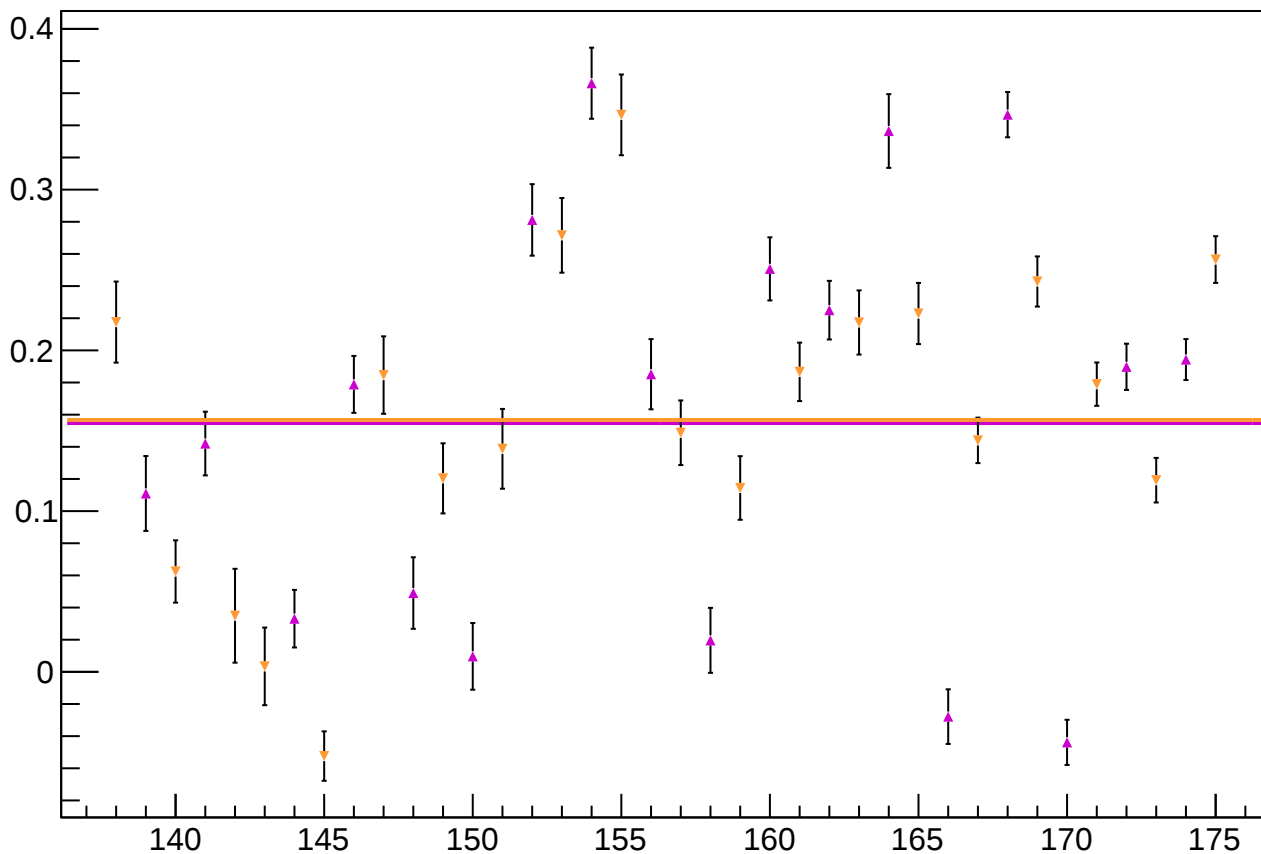
Left In: -31.510+/-0.092 χ^2/NDF : 2612.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.542+/-0.064 χ^2/NDF : 7119.8/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

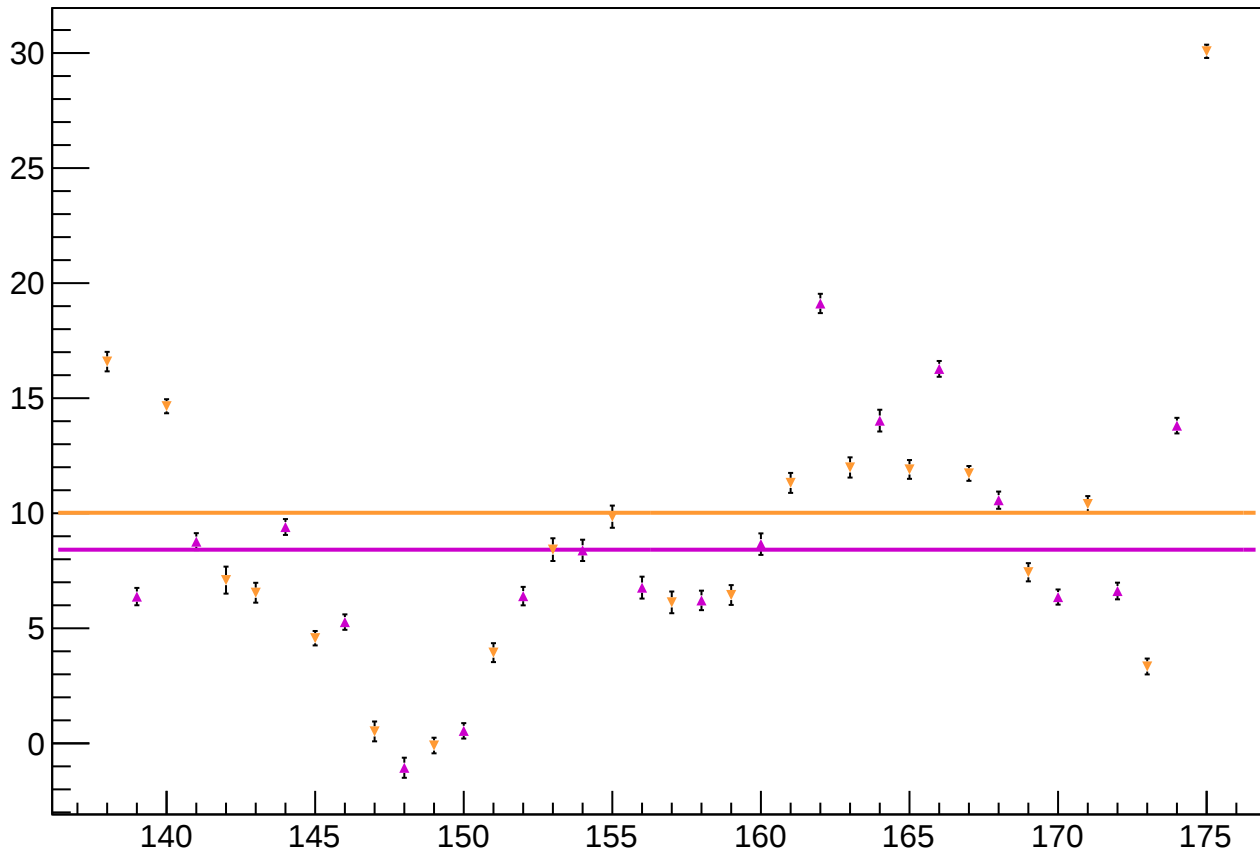
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.157 $\pm$ 0.004 χ^2 /NDF:475.5/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.155 $\pm$ 0.004 χ^2 /NDF:911.5/17

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.156 $\pm$ 0.003 χ^2 /NDF: 1387.1/37
 - 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: 10.021+/-0.086 χ^2/NDF : 7915.5/19

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

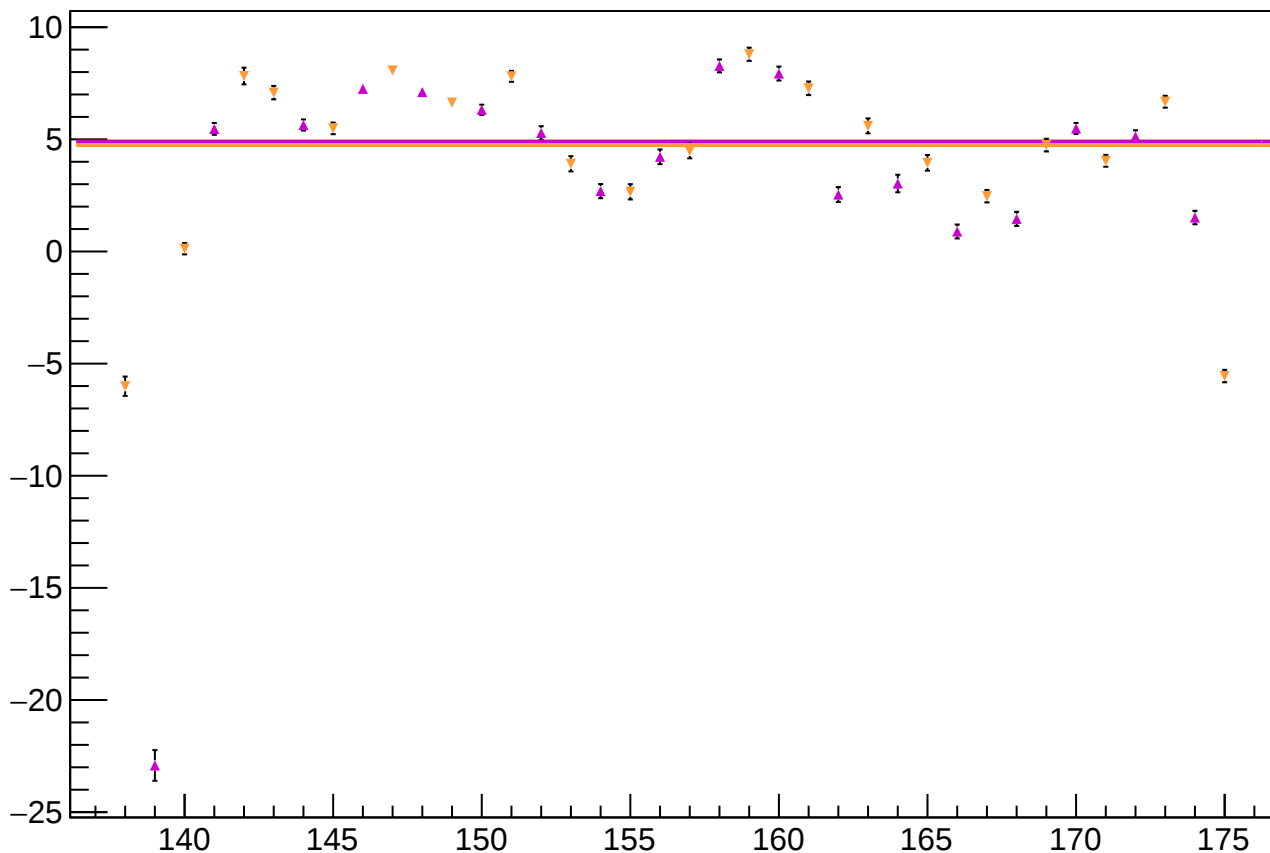
Left In: 8.416+/-0.090 χ^2/NDF : 2879.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 9.255+/-0.062 χ^2/NDF : 10960.2/37

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 4.746+/-0.064 χ^2/NDF : 3398.1/19

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

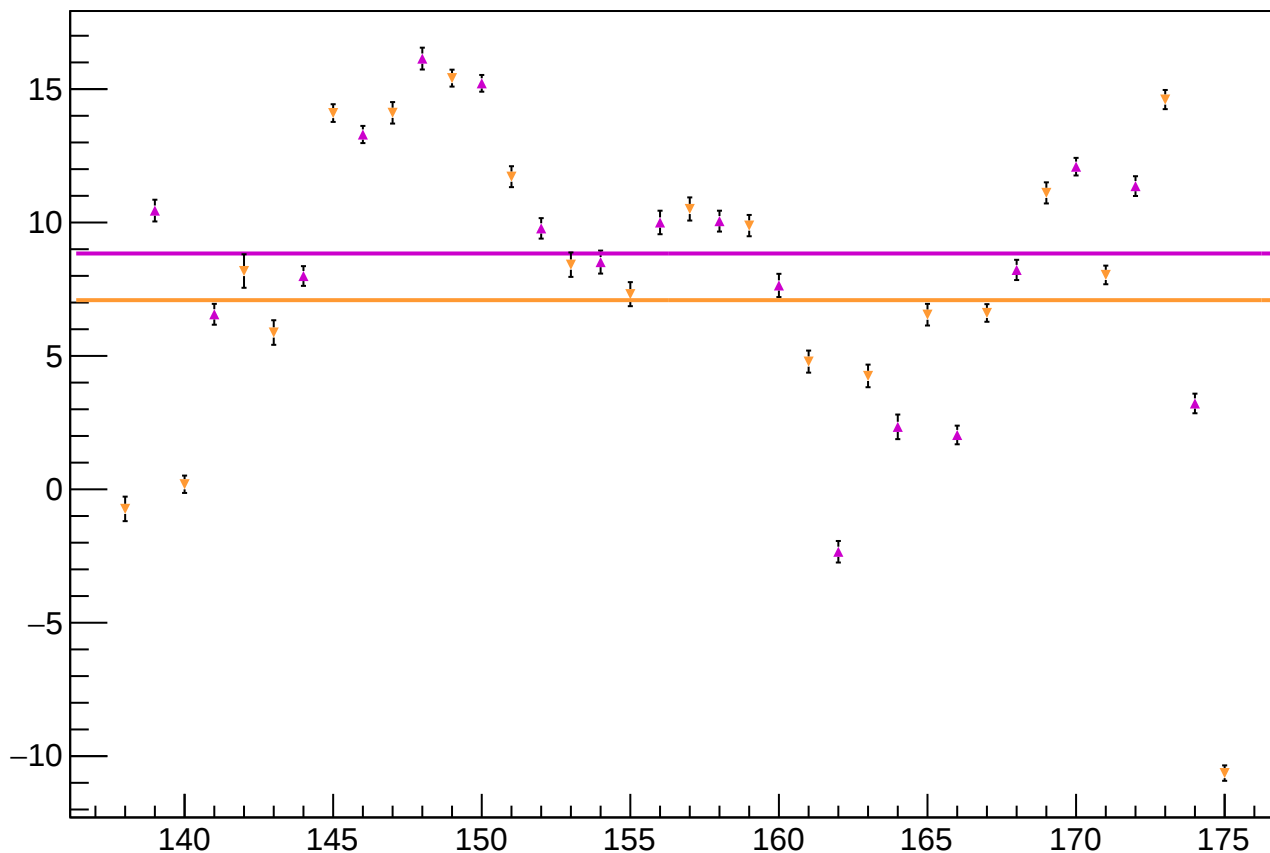
Left In: 4.901+/-0.067 χ^2/NDF : 2706.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4.820+/-0.046 χ^2/NDF : 6107.5/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

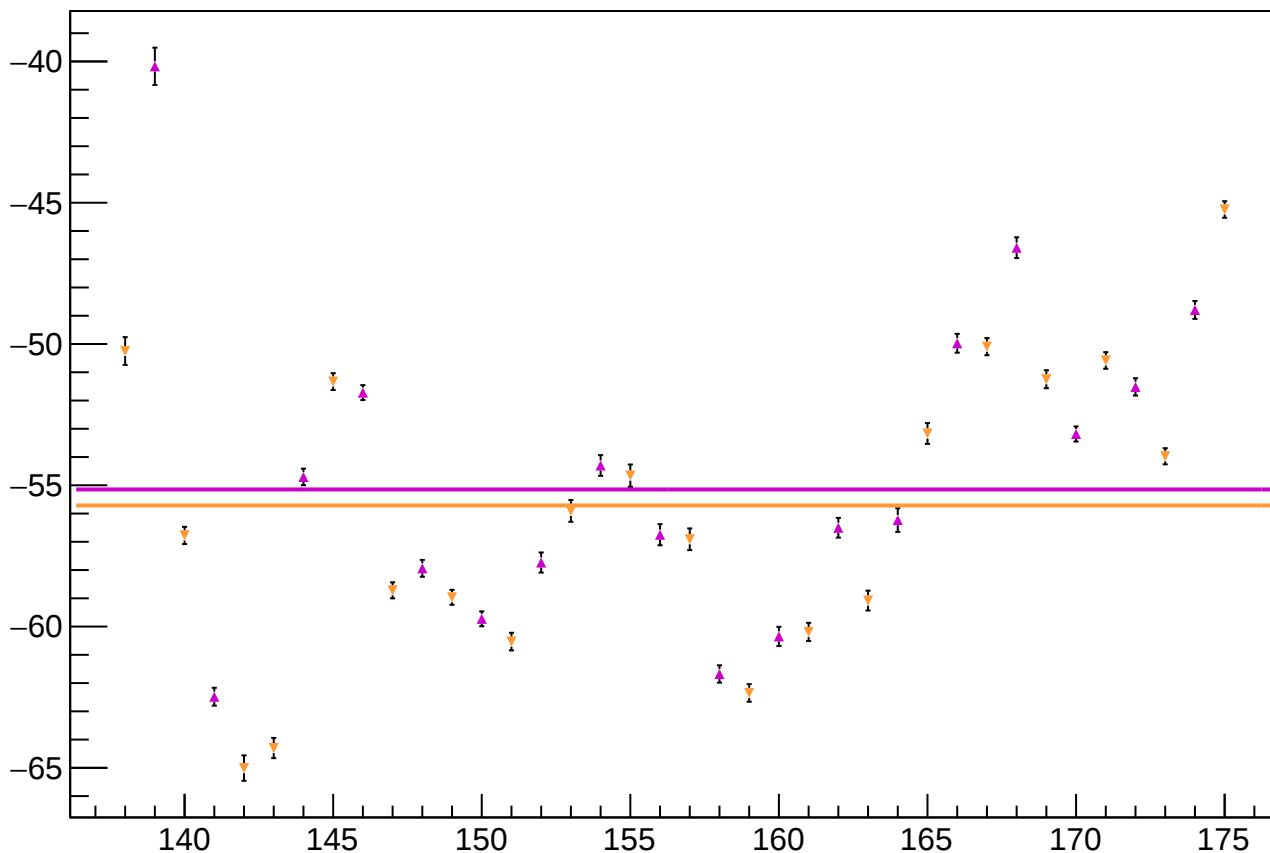
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: 7.090 +/- 0.086 χ^2/NDF : 6843.5/19
 Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left In: 8.839 +/- 0.090 χ^2/NDF : 2733.5/17

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 All: 7.928 +/- 0.062 χ^2/NDF : 9775.5/37
 - sign 0.000 +/- 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: -55.713+/-0.073 χ^2/NDF : 4831.9/19

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

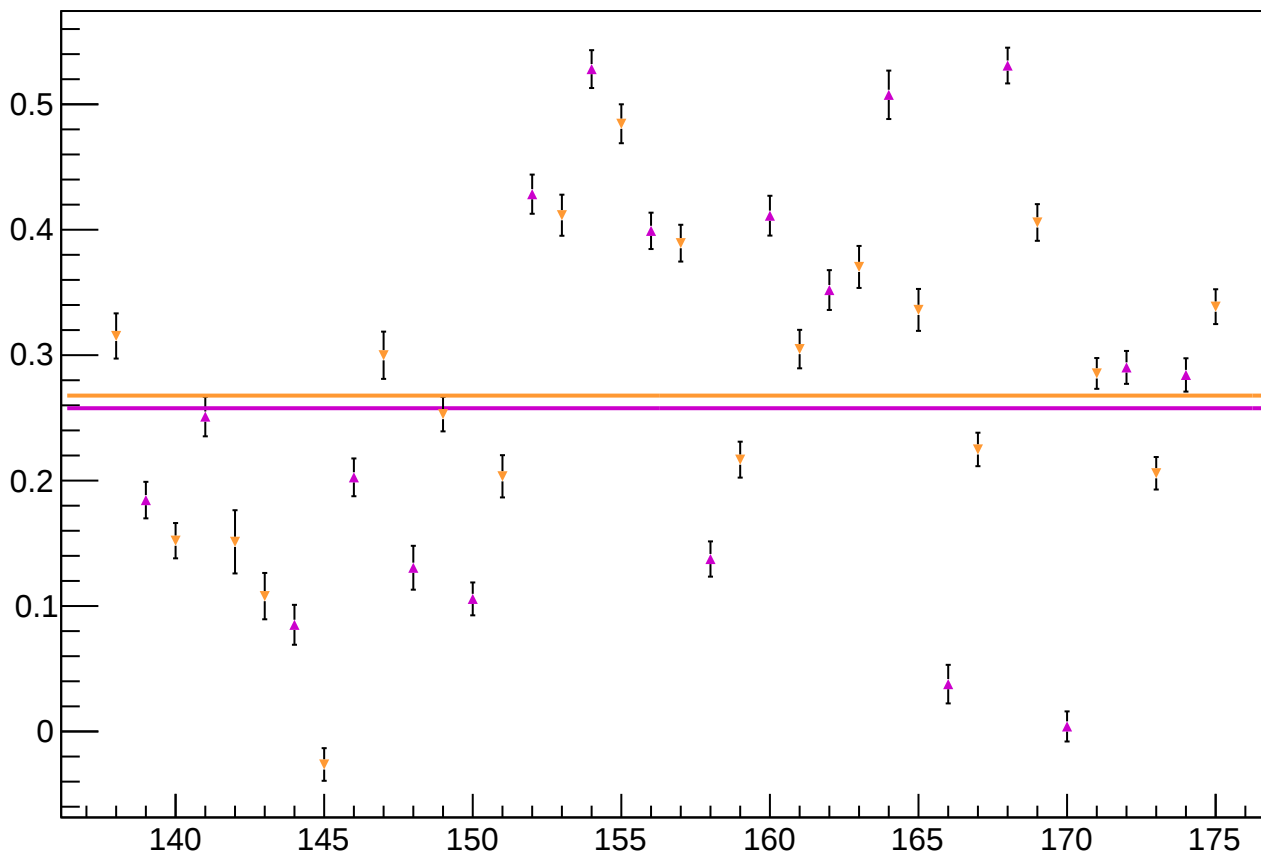
Left In: -55.148+/-0.077 χ^2/NDF : 3784.5/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -55.444+/-0.053 χ^2/NDF : 8645.0/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

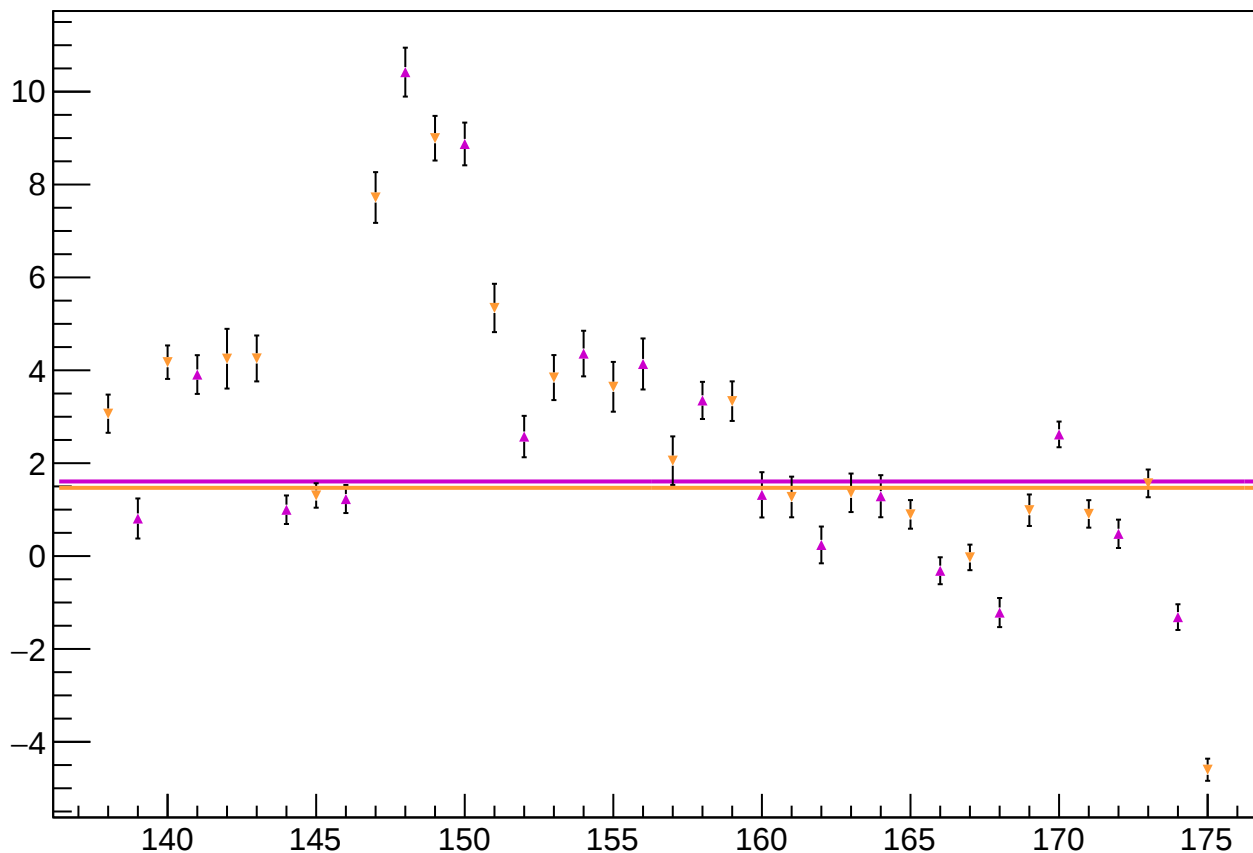
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.268+/-0.003 χ^2/NDF :1264.4/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.258+/-0.003 χ^2/NDF :2278.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.263+/-0.002 χ^2/NDF : 3547.1/37
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

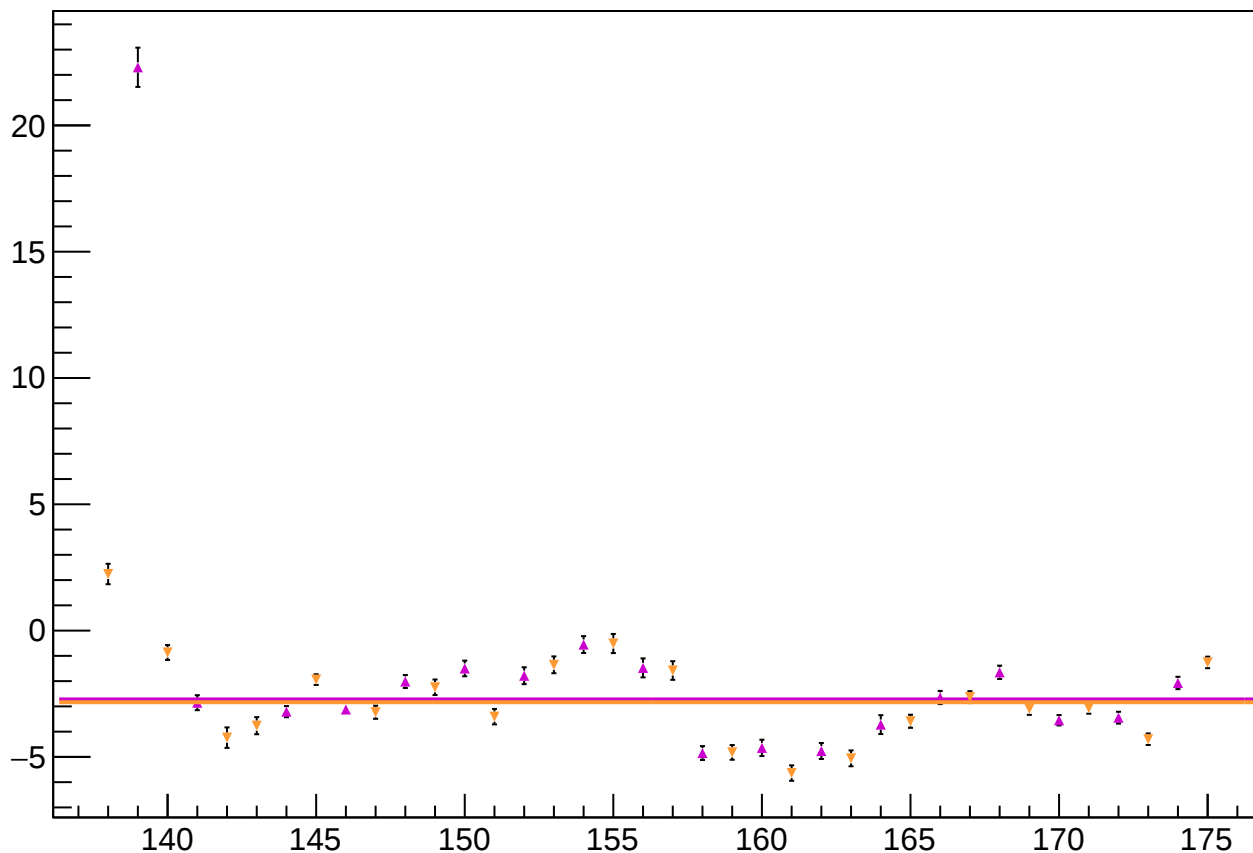
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 1.469 $\pm$ 0.083 χ^2 /NDF:1303.0/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.606 $\pm$ 0.086 χ^2 /NDF:921.8/17

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 1.535 $\pm$ 0.060 χ^2 /NDF: 2226.1/37
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

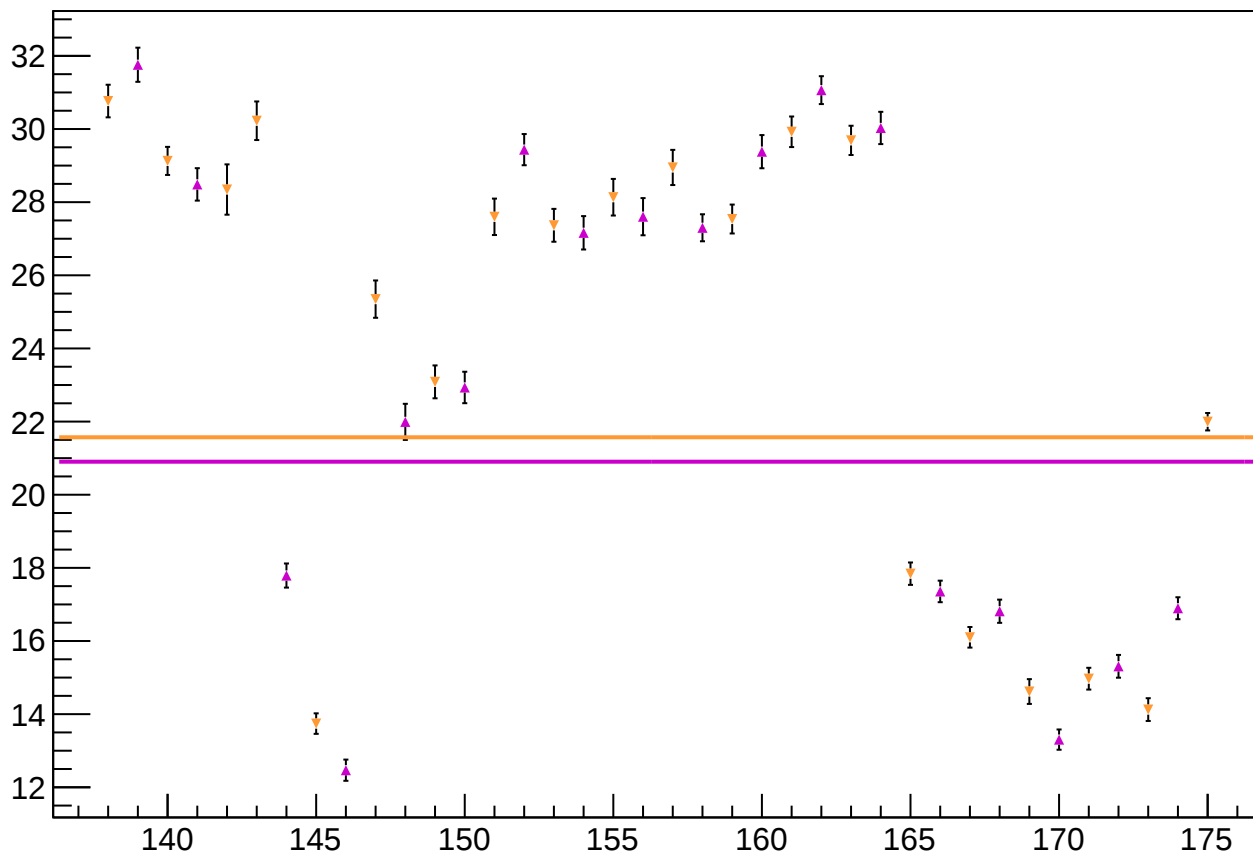
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.835 $\pm$ 0.063 χ^2 /NDF:598.8/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.725 $\pm$ 0.065 χ^2 /NDF:1323.5/17

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -2.782 $\pm$ 0.045 χ^2 /NDF: 1923.8/37
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 21.571+/-0.083 χ^2/NDF :5798.6/19

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

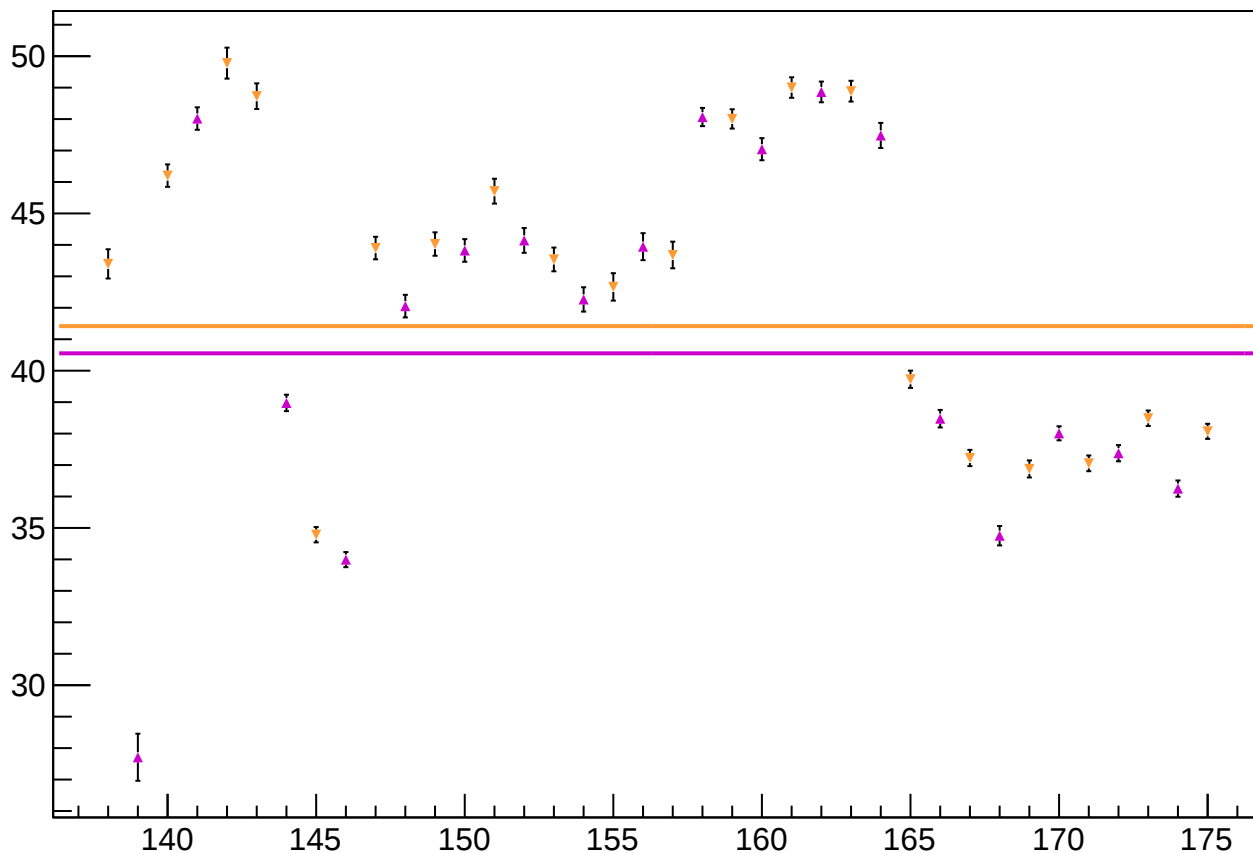
Left In: 20.903+/-0.086 χ^2/NDF :5908.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21.251+/-0.060 χ^2/NDF : 11738.7/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

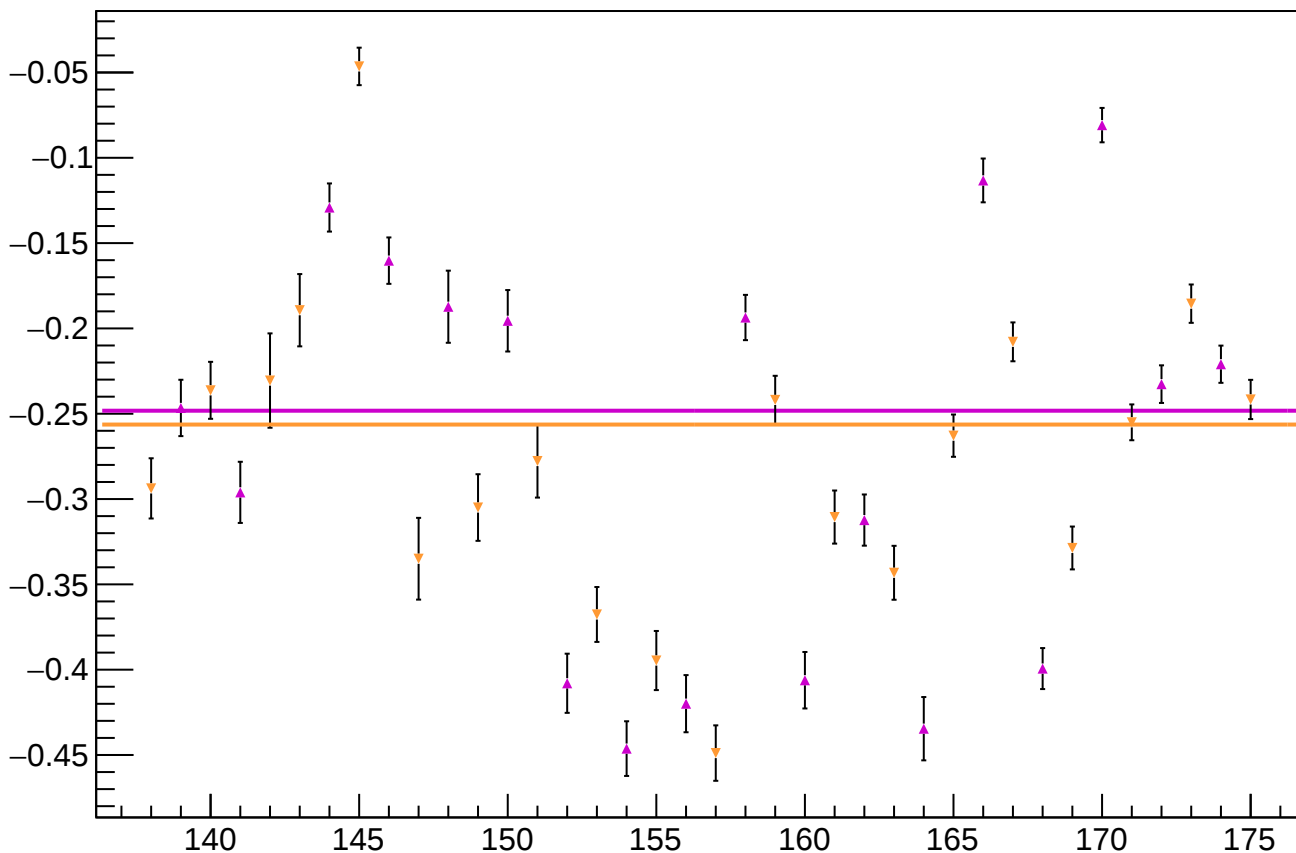
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 41.417+/-0.071 χ^2/NDF : 4562.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 40.552+/-0.074 χ^2/NDF : 4697.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 41.001+/-0.051 χ^2/NDF : 9331.5/37
 - 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: -0.256 $\pm$ 0.003 χ^2/NDF :788.3/19

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

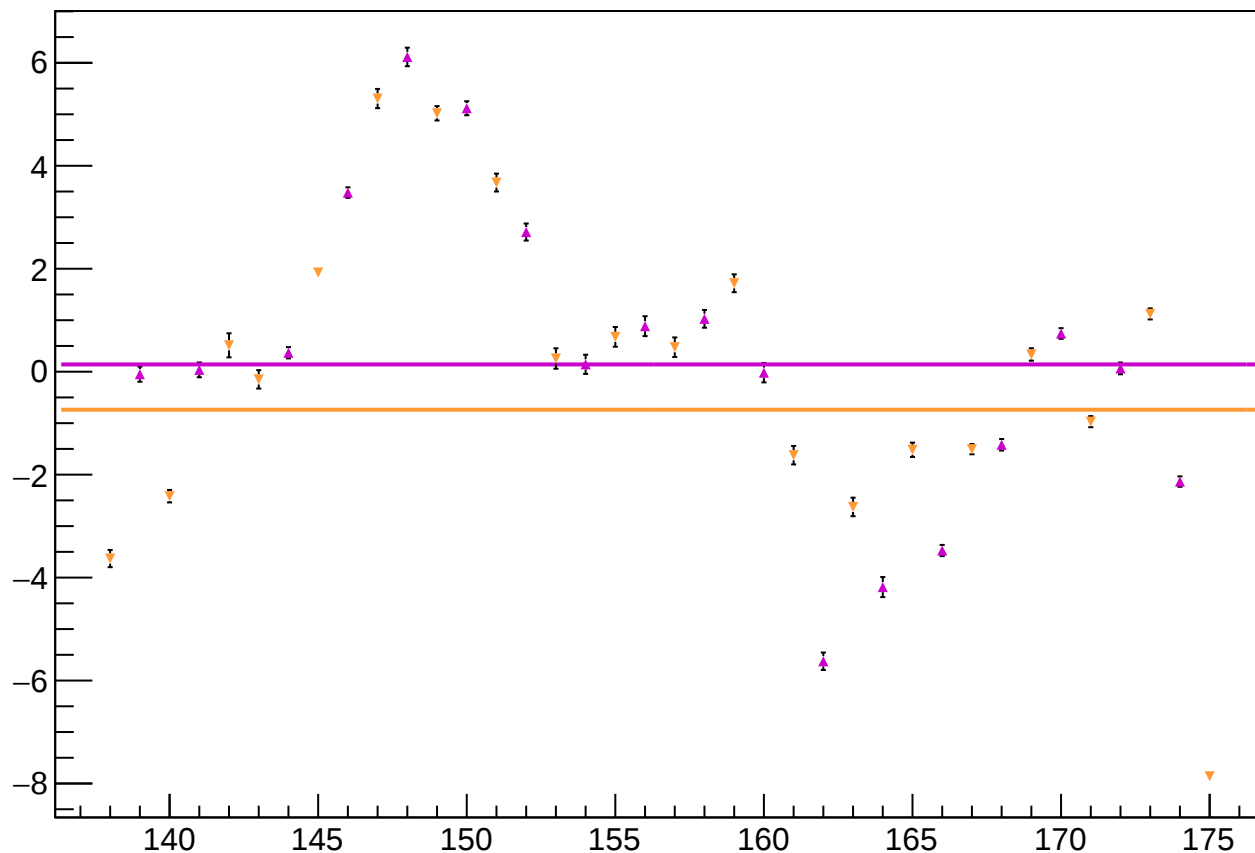
Left In: -0.248 $\pm$ 0.003 χ^2/NDF :1259.9/17

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

All: -0.252 $\pm$ 0.002 χ^2/NDF : 2051.3/37

- 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: -0.739 $\pm$ 0.030 χ^2/NDF :12267.4/19

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

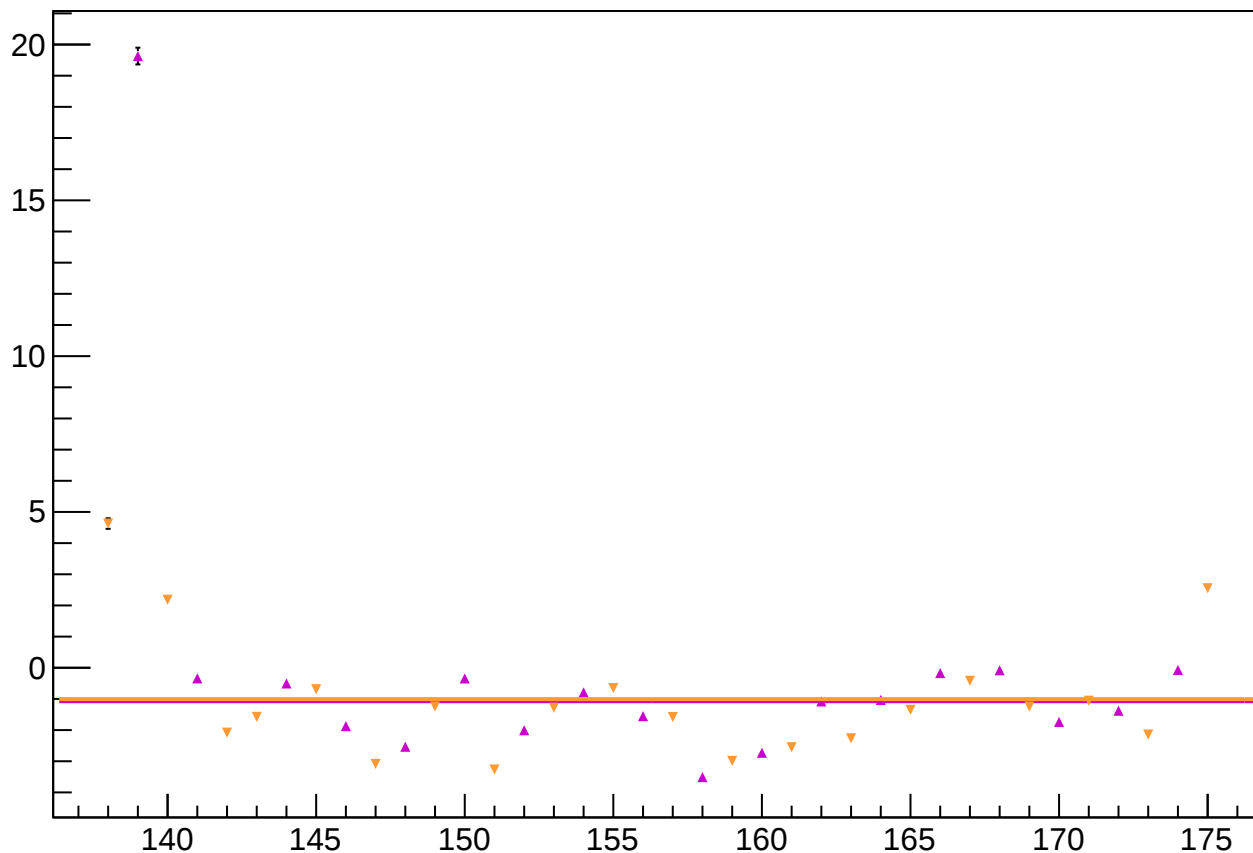
Left In: 0.141 $\pm$ 0.032 χ^2/NDF :7280.0/17

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

All: -0.315 $\pm$ 0.022 χ^2/NDF : 19950.1/37

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

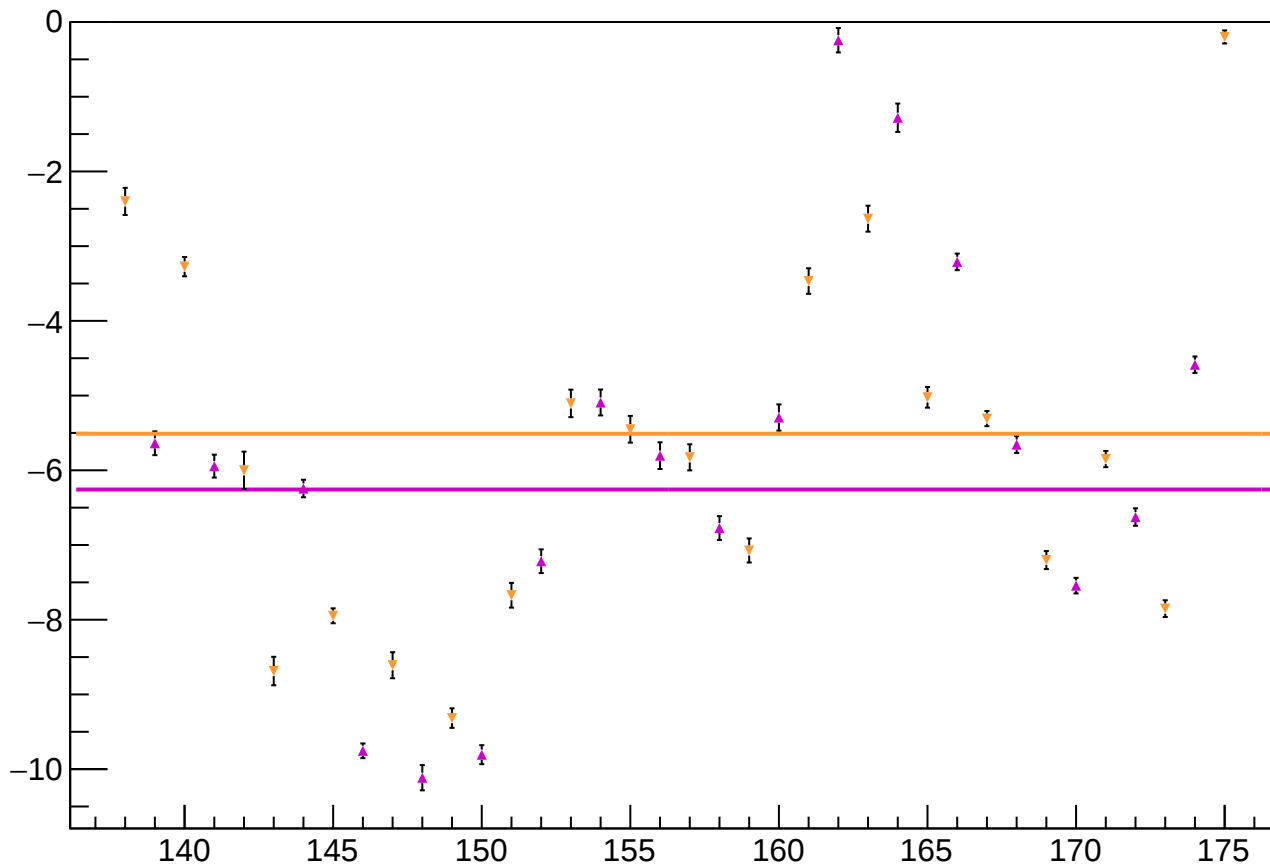
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.007+/-0.023 χ^2/NDF : 5830.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.073+/-0.024 χ^2/NDF : 7578.4/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -1.039+/-0.016 χ^2/NDF : 13413.1/37
 - sign 0.000+/-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: -5.511 $\pm$ 0.031 χ^2 /NDF: 7664.7/19

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

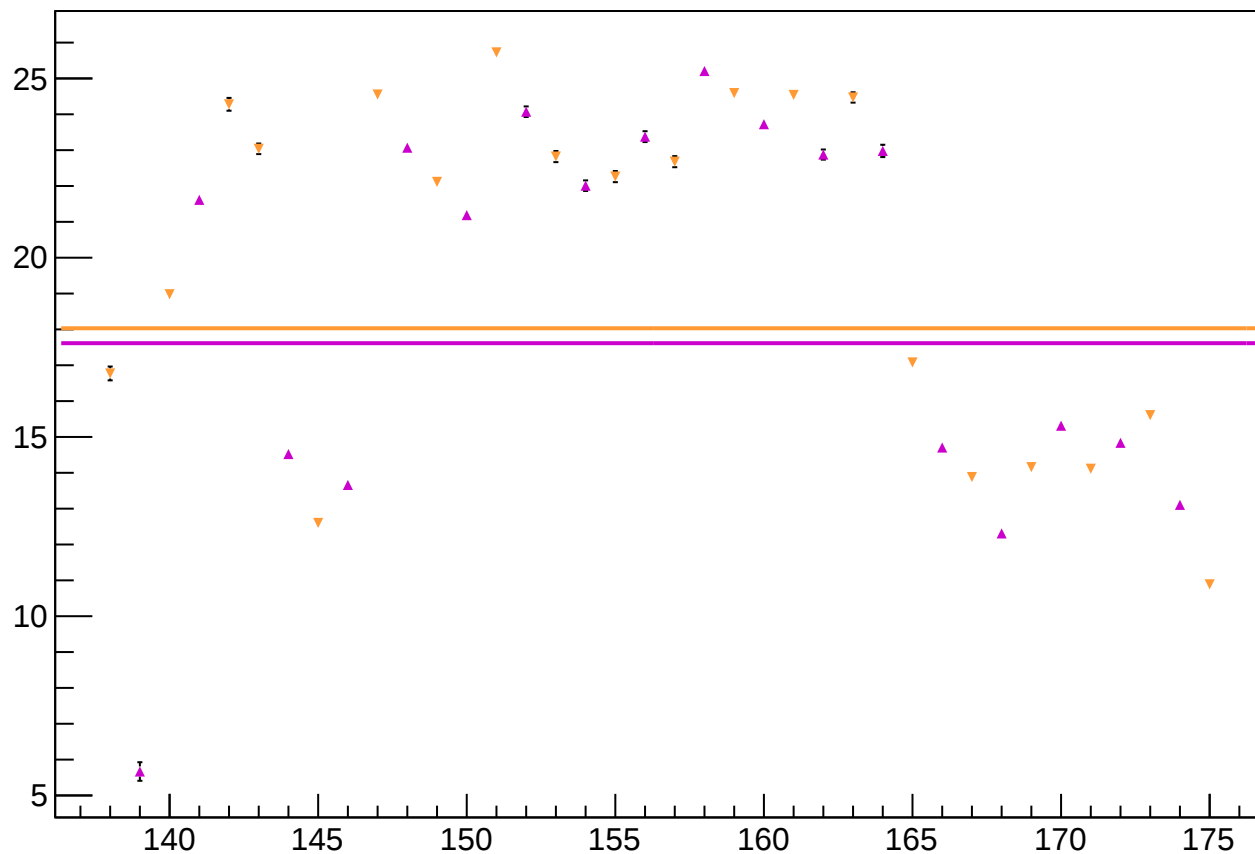
Left In: -6.257 $\pm$ 0.032 χ^2 /NDF: 5930.7/17

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

All: -5.871 $\pm$ 0.022 χ^2 /NDF: 13884.7/37

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

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 18.032+/-0.026 χ^2/NDF : 36363.9/19

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

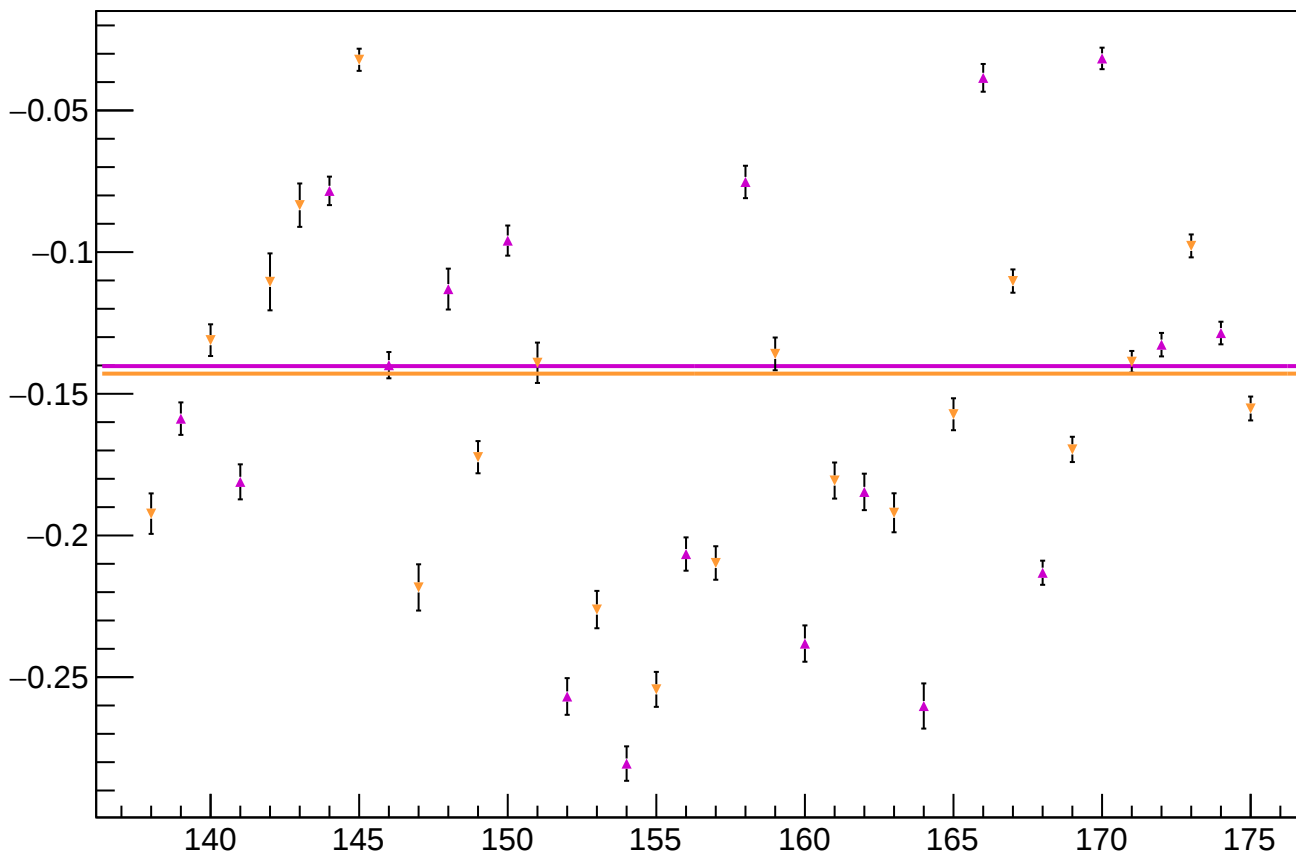
Left In: 17.615+/-0.027 χ^2/NDF : 28918.5/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 17.830+/-0.019 χ^2/NDF : 65404.8/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.143 $\pm$ 0.001 χ^2 /NDF:1979.5/19

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

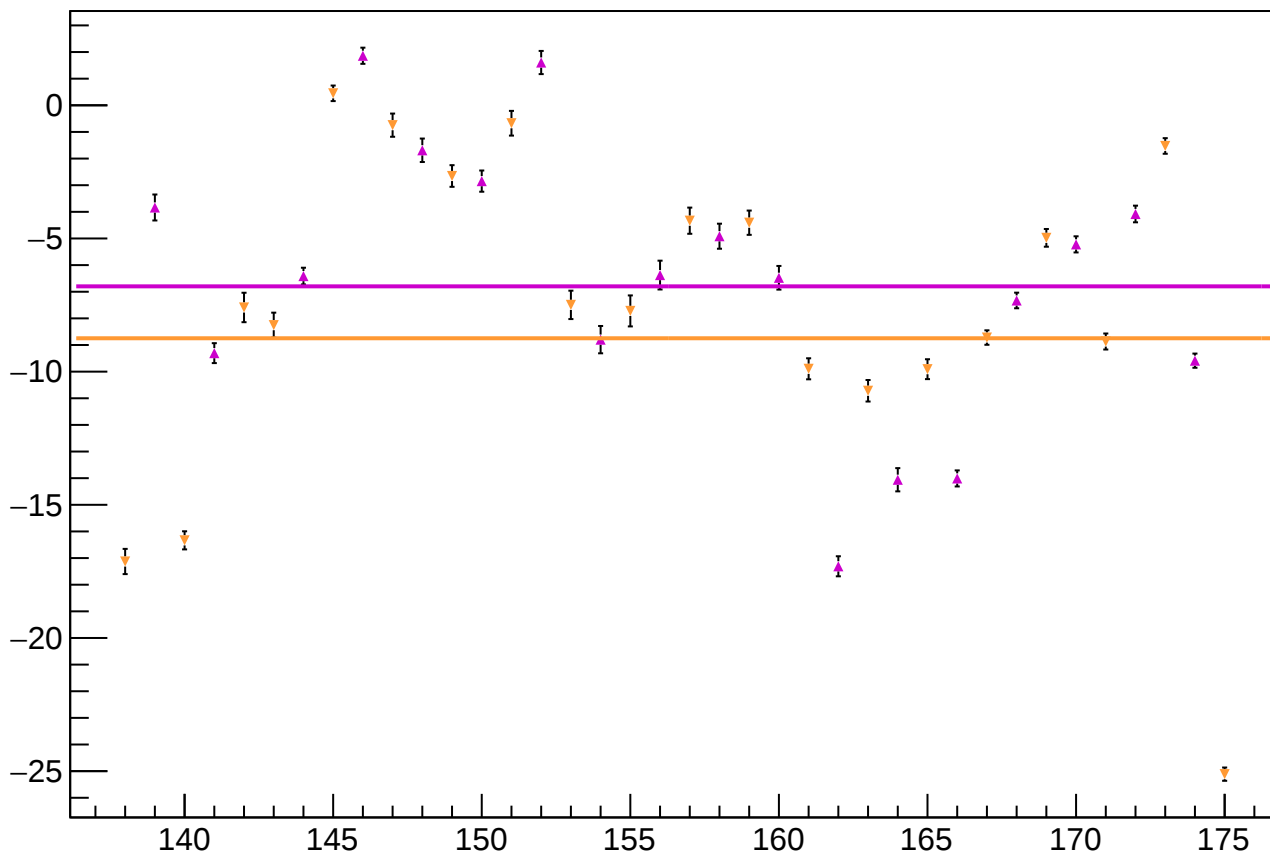
Left In: -0.140 $\pm$ 0.001 χ^2 /NDF:3465.1/17

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

All: -0.142 $\pm$ 0.001 χ^2 /NDF: 5446.9/37

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

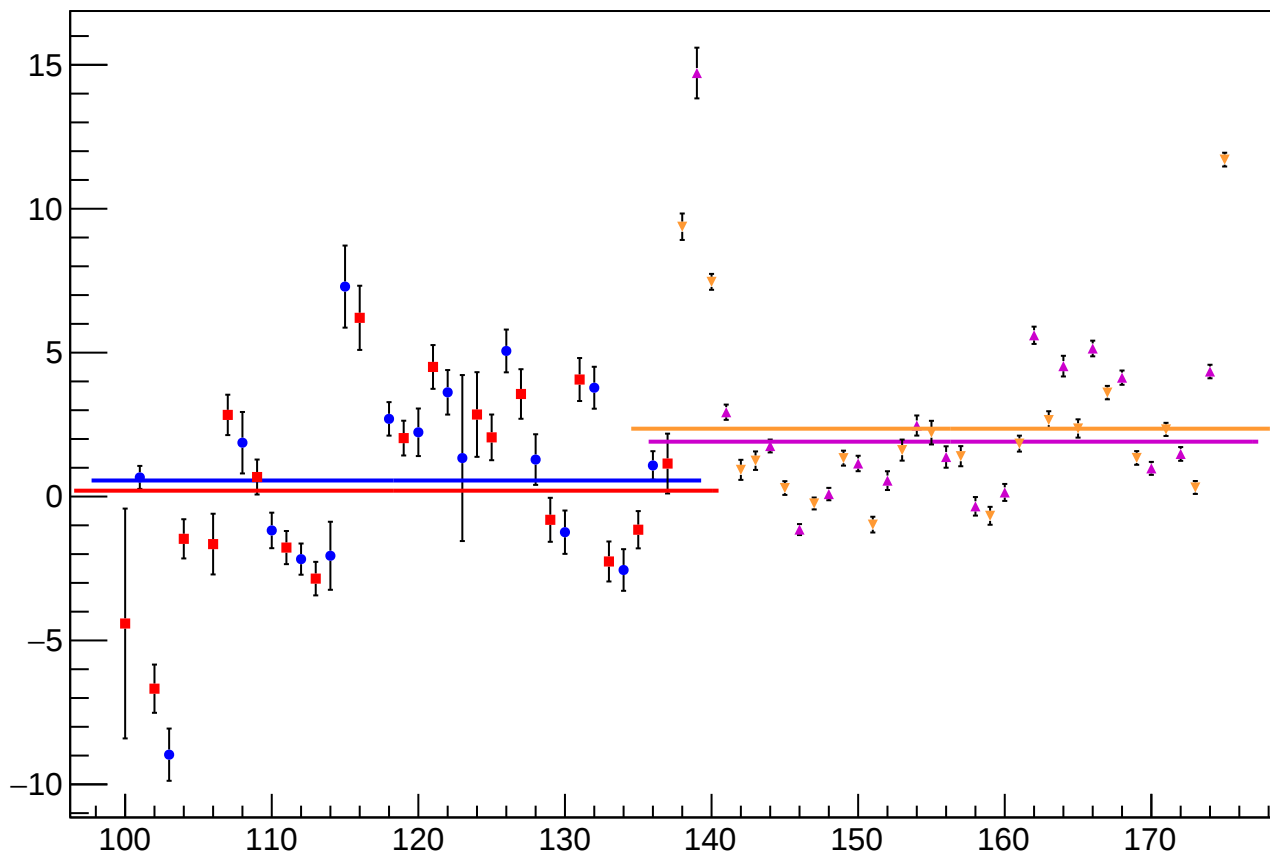
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -8.747 $\pm$ 0.083 χ^2/NDF :7942.6/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -6.798 $\pm$ 0.086 χ^2/NDF :3380.0/17

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 All: -7.804 $\pm$ 0.060 χ^2/NDF : 11589.4/37
 - sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 $\pm$ 0.170 χ^2/NDF : 287.9/16

Left Out: 2.358 $\pm$ 0.062 χ^2/NDF : 2767.3/19

Right Out: 0.204 $\pm$ 0.175 χ^2/NDF : 272.1/18

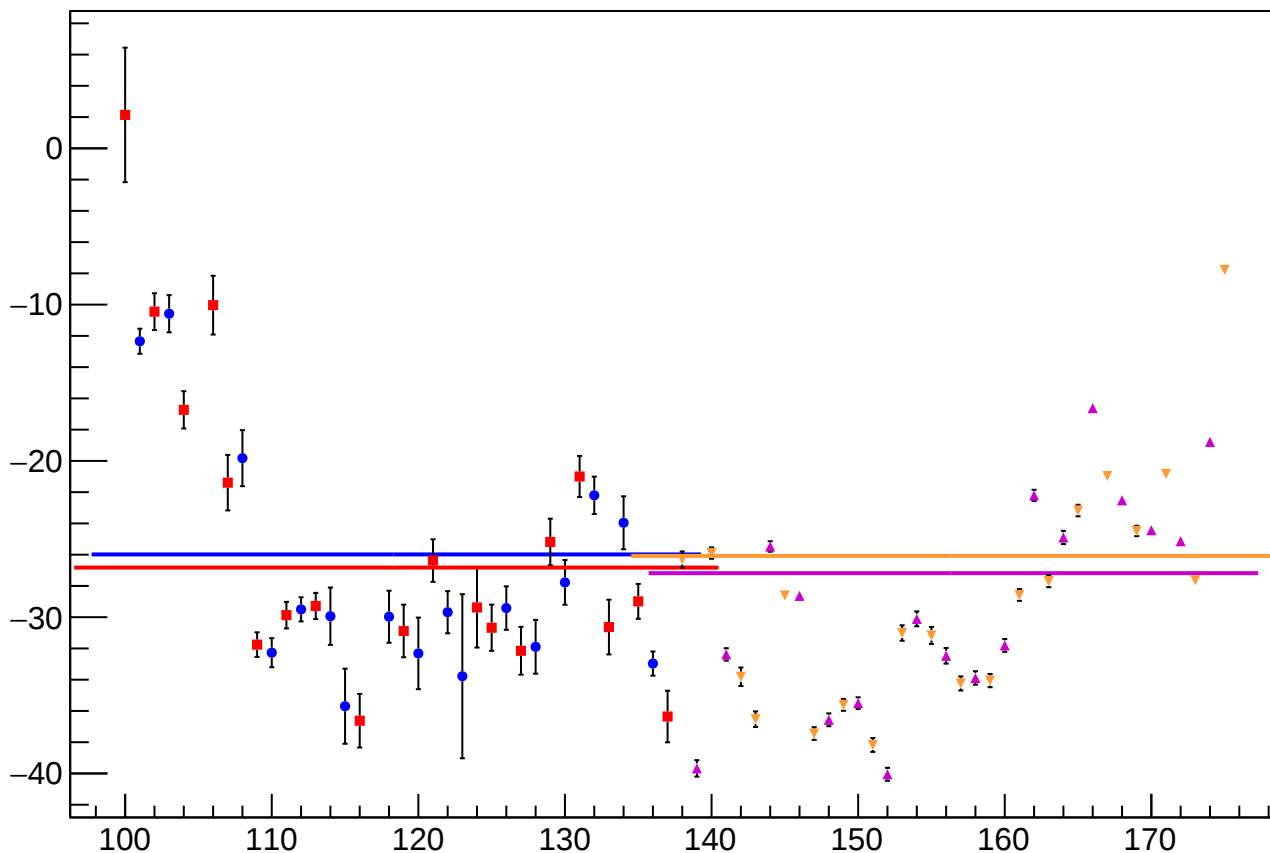
Left In: 1.907 $\pm$ 0.063 χ^2/NDF : 1222.2/17

+ sign 2.149 $\pm$ 0.058 χ^2/NDF : 3154.1/36

All: 1.934 $\pm$ 0.042 χ^2/NDF : 4760.4/73

- sign 1.708 $\pm$ 0.060 χ^2/NDF : 1578.2/36

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -26.079 ± 0.083 χ^2/NDF : 9879.5/19

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

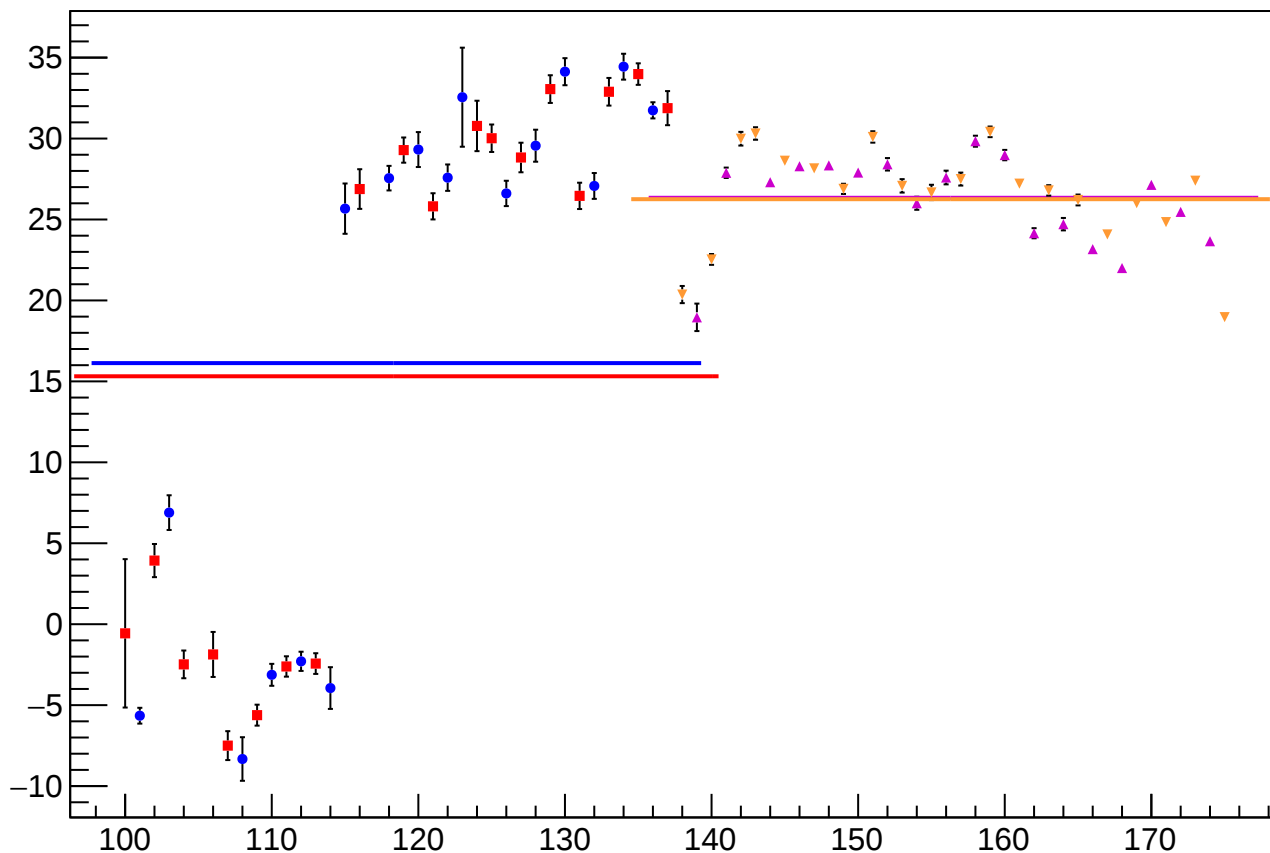
Left In: -27.183 ± 0.086 χ^2/NDF : 5878.2/17

+ sign -26.072 ± 0.080 χ^2/NDF : 10571.1/36

All: -26.599 ± 0.057 χ^2/NDF : 17121.5/73

- sign -27.156 ± 0.082 χ^2/NDF : 6461.2/36

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: 26.254 $\pm$ 0.070 χ^2 /NDF:1834.0/19

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

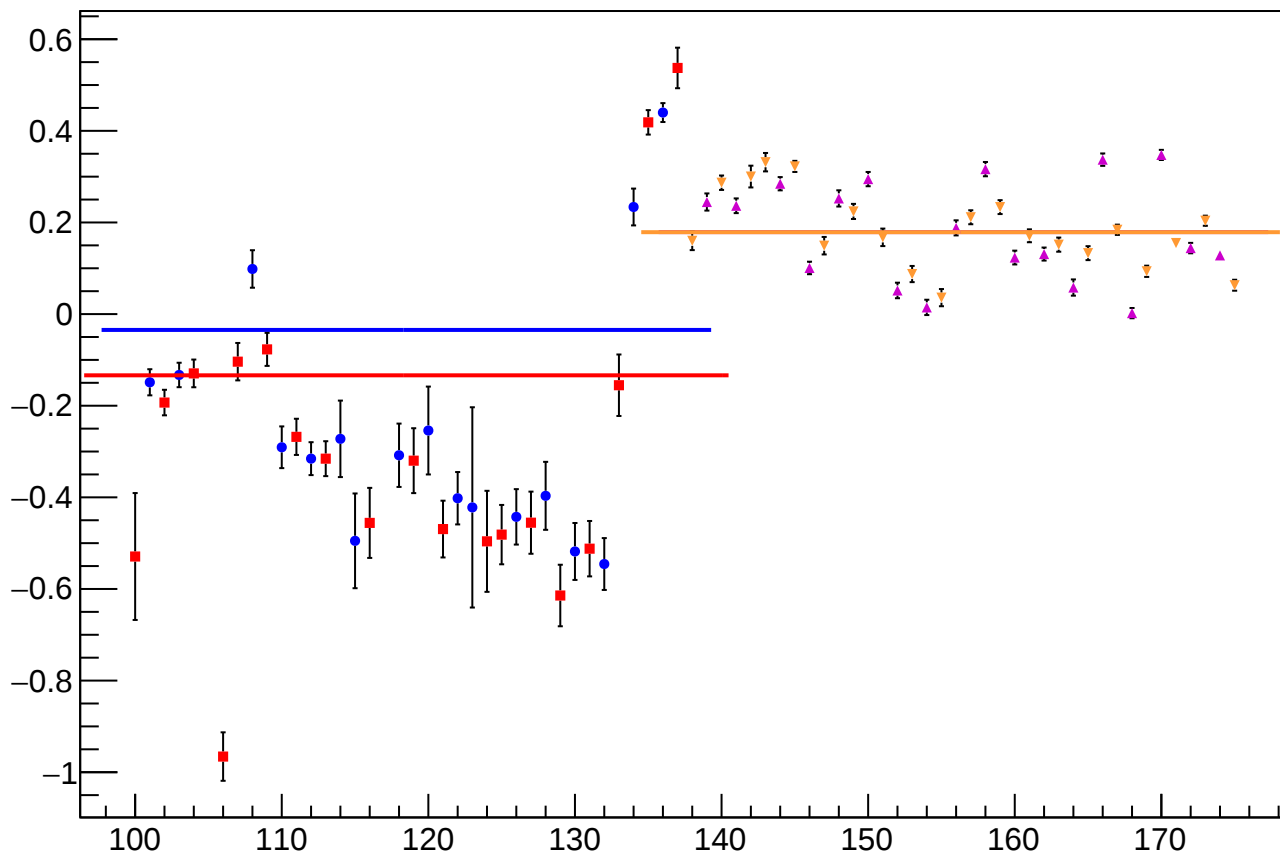
Left In: 26.341 $\pm$ 0.073 χ^2 /NDF:1010.0/17

+ sign 25.056 $\pm$ 0.066 χ^2 /NDF: 11857.1/36

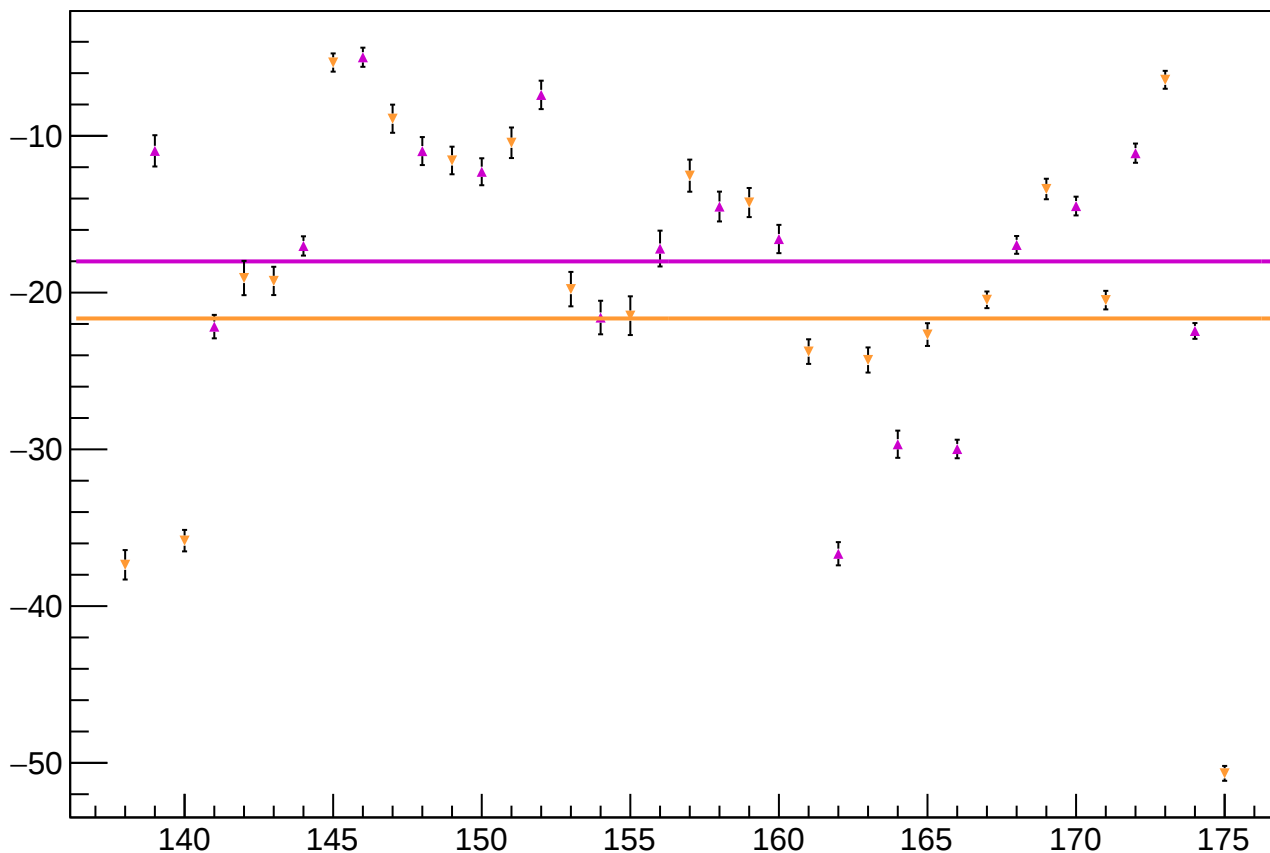
All: 25.039 $\pm$ 0.047 χ^2 /NDF: 22902.1/73

- sign 25.020 $\pm$ 0.068 χ^2 /NDF: 11044.9/36

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -21.650+/-0.165 χ^2/NDF : 6757.7/19

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

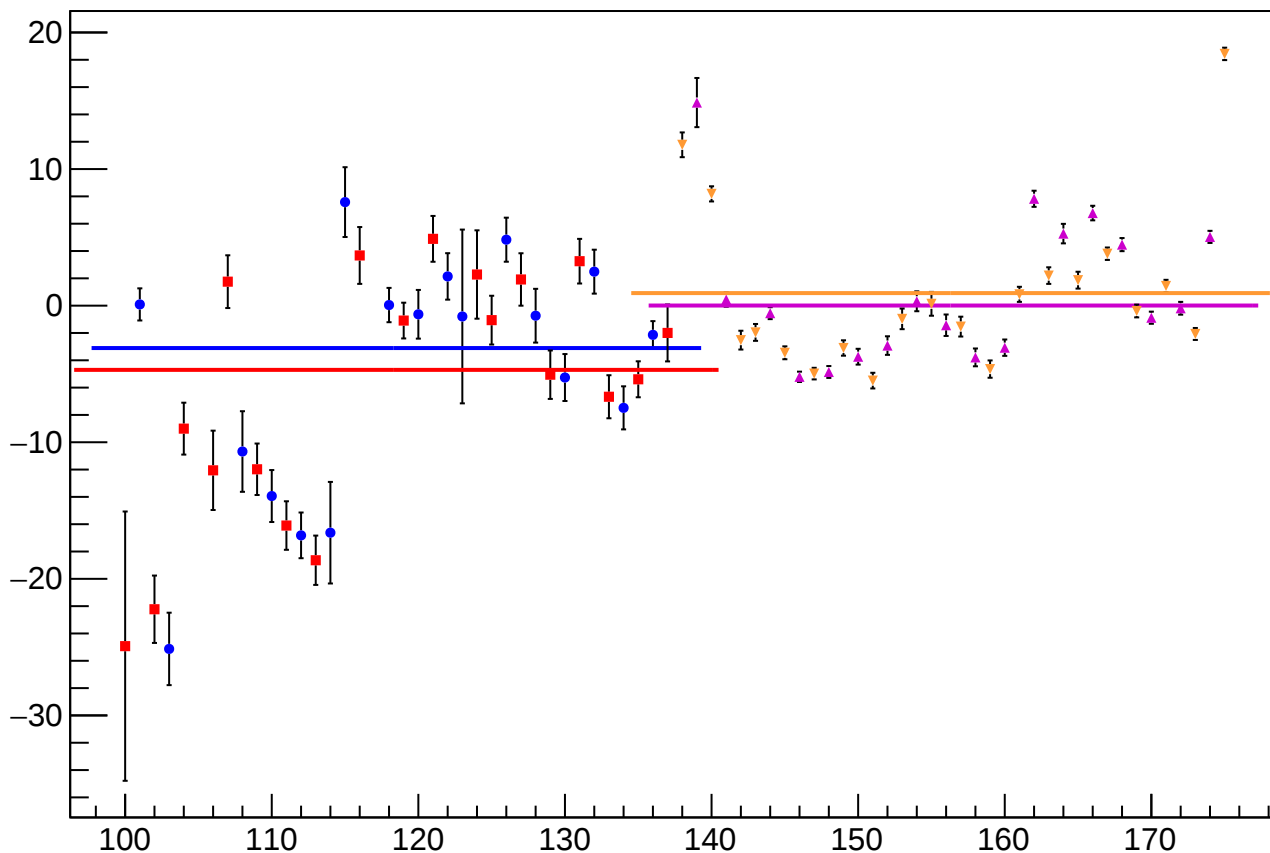
Left In: -18.010+/-0.170 χ^2/NDF : 2276.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -19.890+/-0.118 χ^2/NDF : 9269.9/37

- 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: 0.920 ± 0.123 χ^2/NDF : 2493.9/19

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

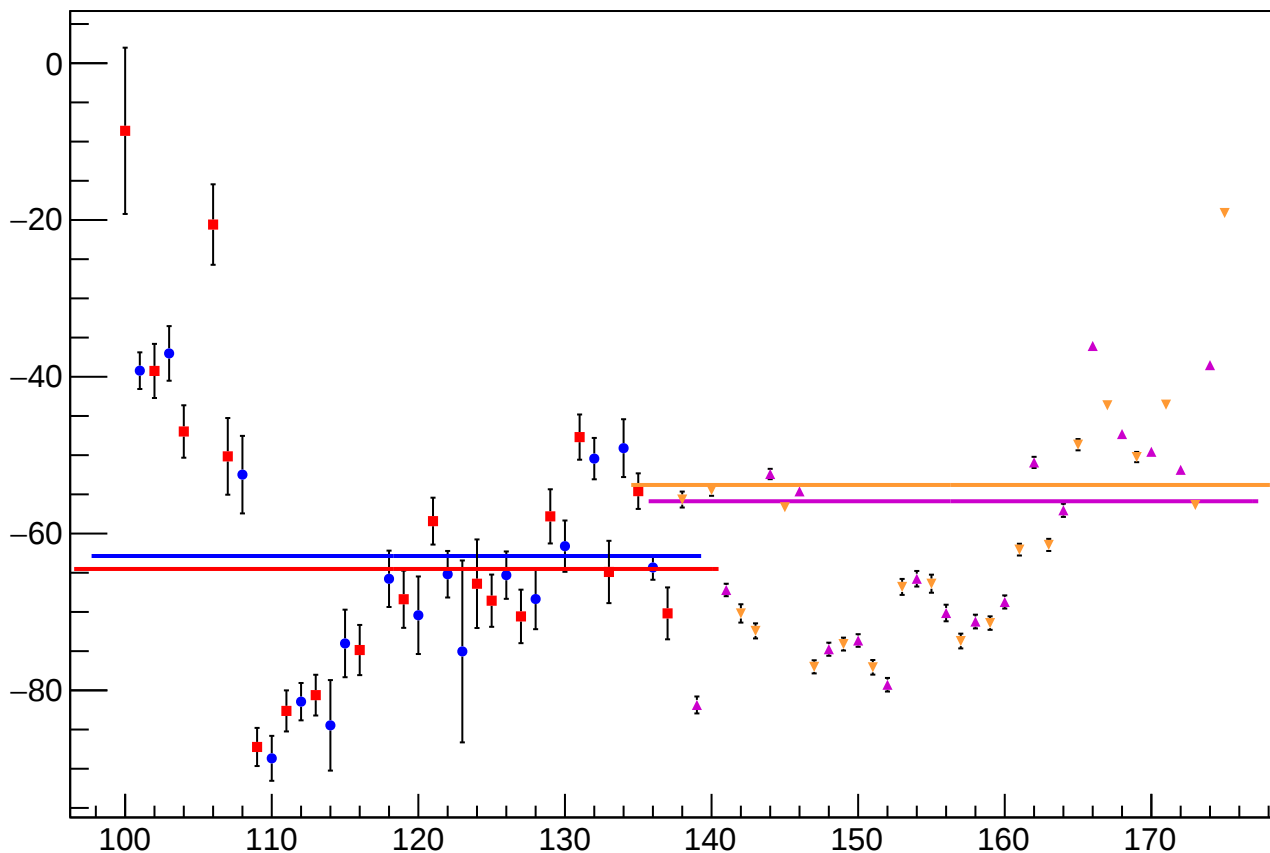
Left In: 0.009 ± 0.126 χ^2/NDF : 1120.3/17

+ sign 0.588 ± 0.118 χ^2/NDF : 2861.0/36

All: 0.121 ± 0.085 χ^2/NDF : 4423.1/73

- sign -0.371 ± 0.121 χ^2/NDF : 1530.0/36

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -53.801 ± 0.165 χ^2/NDF : 10024.4/19

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

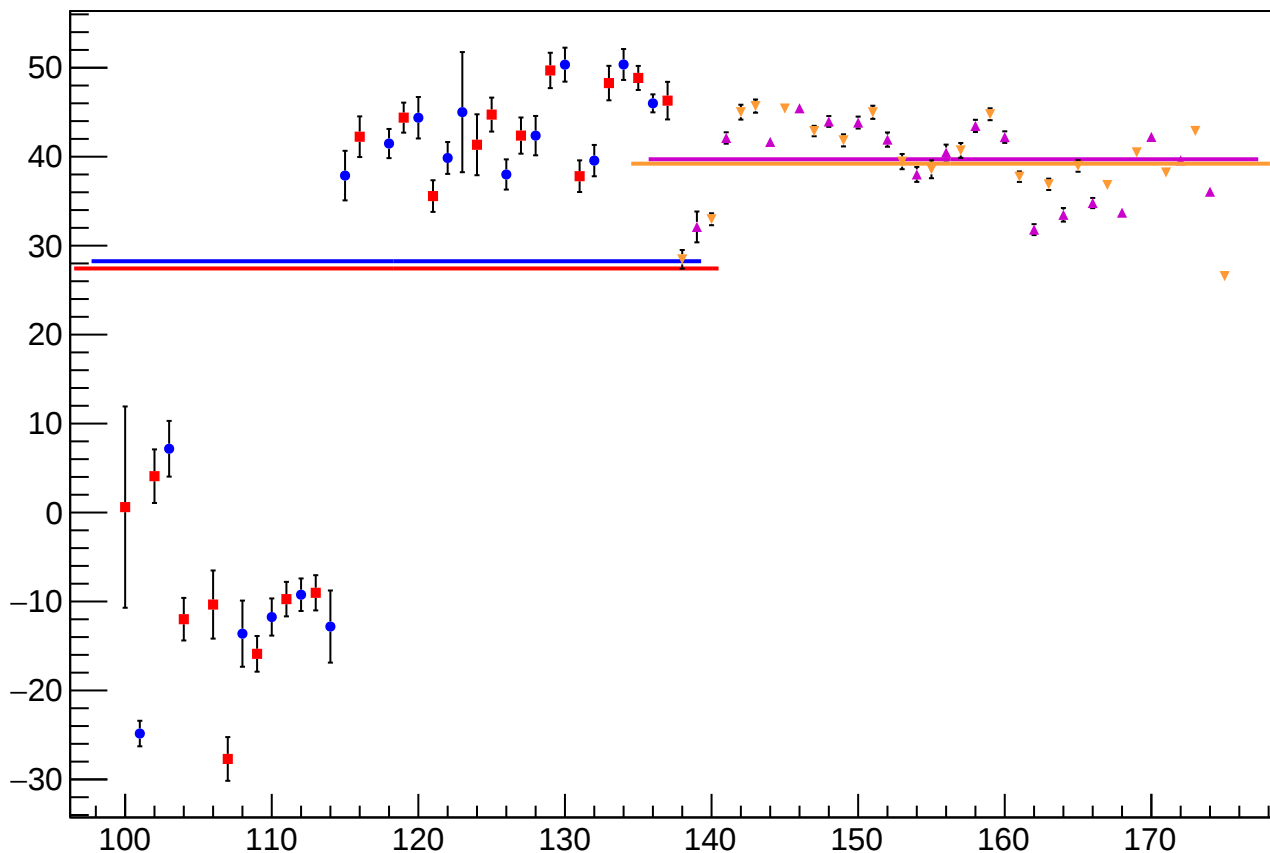
Left In: -55.879 ± 0.171 χ^2/NDF : 5875.2/17

+ sign -54.230 ± 0.161 χ^2/NDF : 10535.7/36

All: -55.233 ± 0.116 χ^2/NDF : 17060.8/73

- sign -56.302 ± 0.166 χ^2/NDF : 6445.0/36

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: 39.216 $\pm$ 0.140 χ^2 /NDF:1444.7/19

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

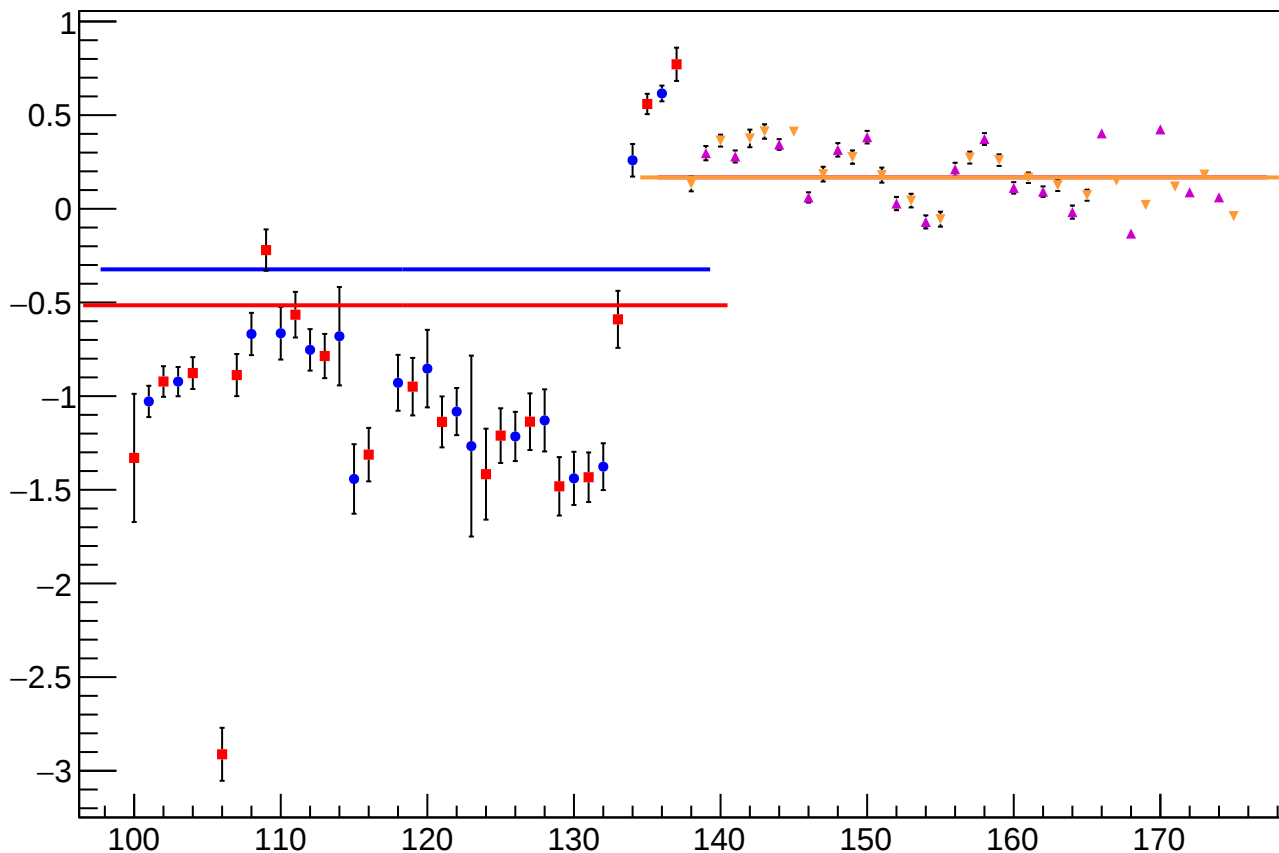
Left In: 39.711 $\pm$ 0.145 χ^2 /NDF:844.9/17

+ sign 38.285 $\pm$ 0.134 χ^2 /NDF: 5284.0/36

All: 38.477 $\pm$ 0.096 χ^2 /NDF: 9767.9/73

- sign 38.683 $\pm$ 0.139 χ^2 /NDF: 4479.7/36

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.167 ± 0.007 χ^2/NDF : 410.8/19

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

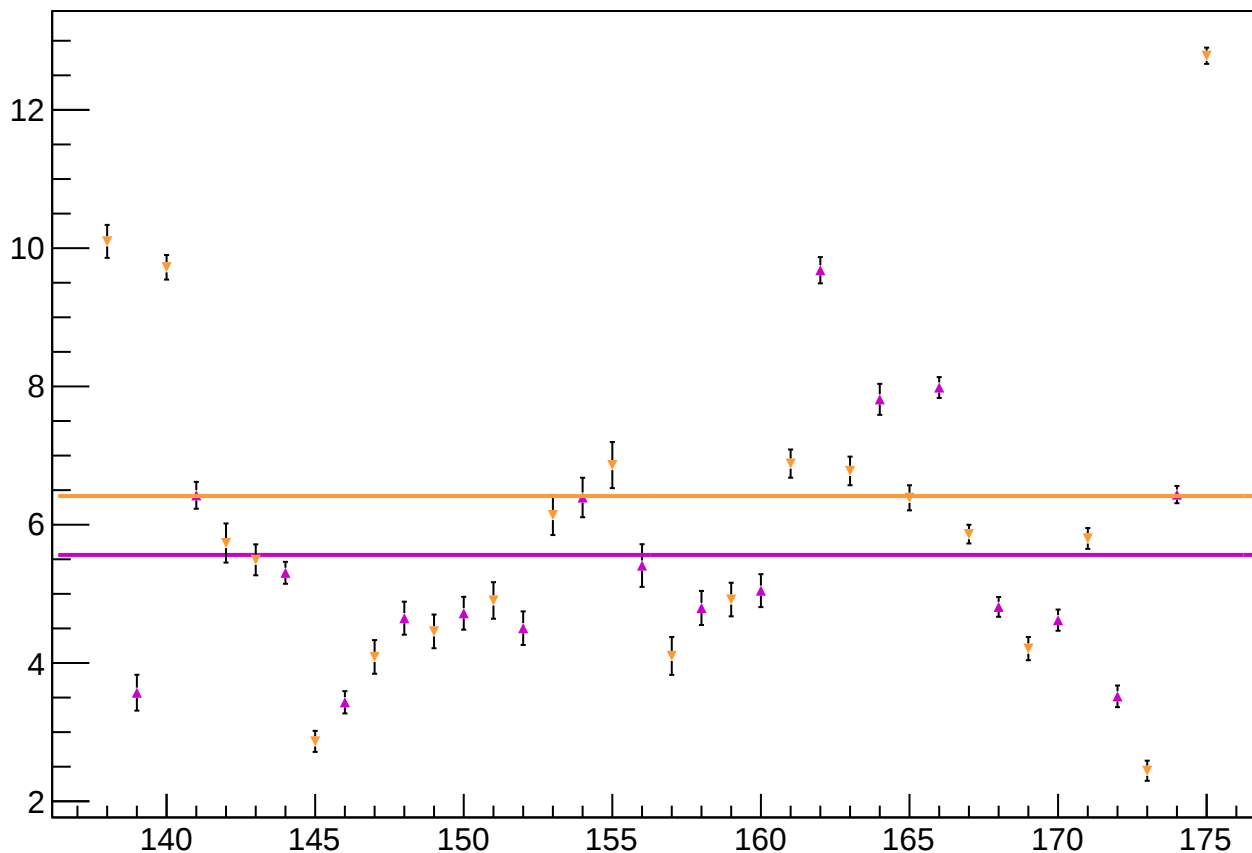
Left In: 0.168 ± 0.007 χ^2/NDF : 725.8/17

+ sign 0.136 ± 0.006 χ^2/NDF : 1783.6/36

All: 0.131 ± 0.005 χ^2/NDF : 4331.0/73

- sign 0.125 ± 0.006 χ^2/NDF : 2546.0/36

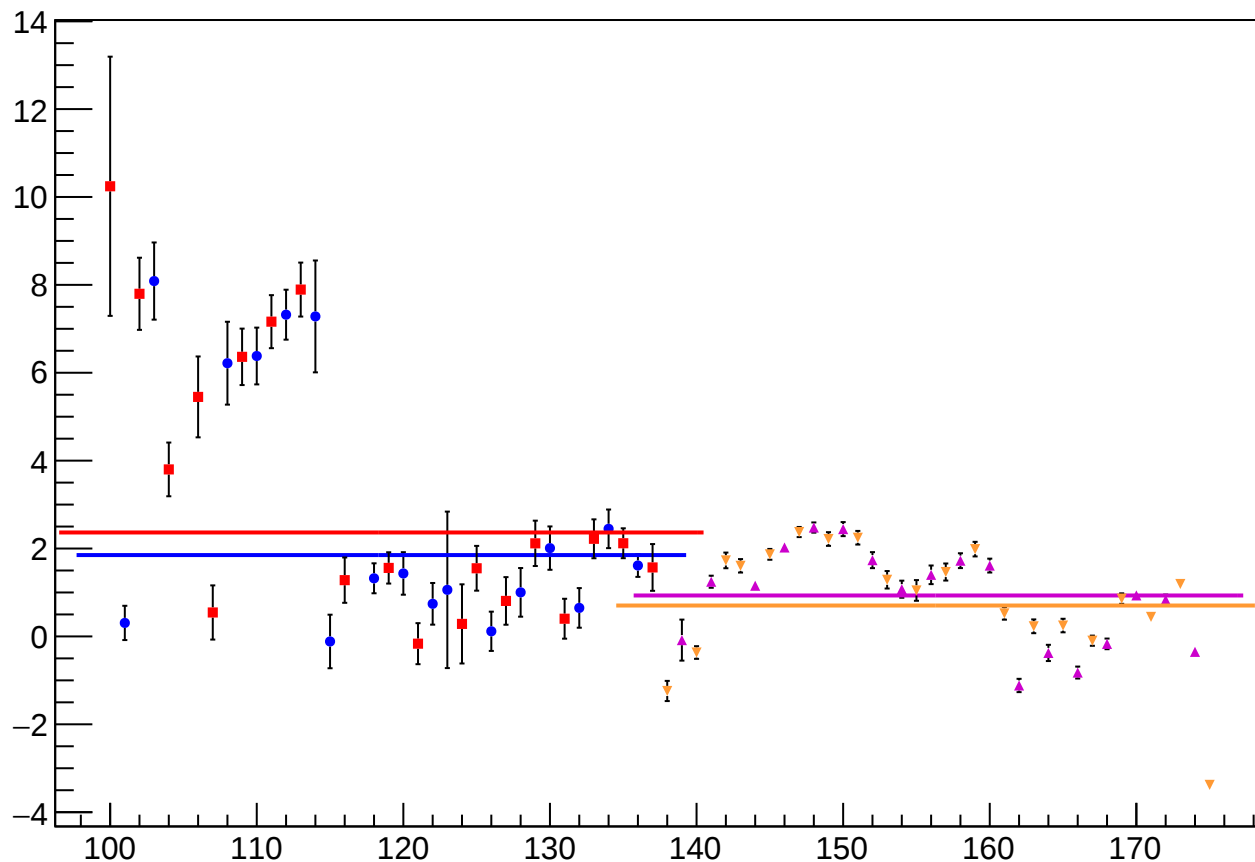
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.415+/-0.042 χ^2/NDF :5366.8/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.563+/-0.044 χ^2/NDF :1439.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 6.004+/-0.031 χ^2/NDF : 7000.6/37
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 0.703 ± 0.032 χ^2/NDF : 2188.2/19

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

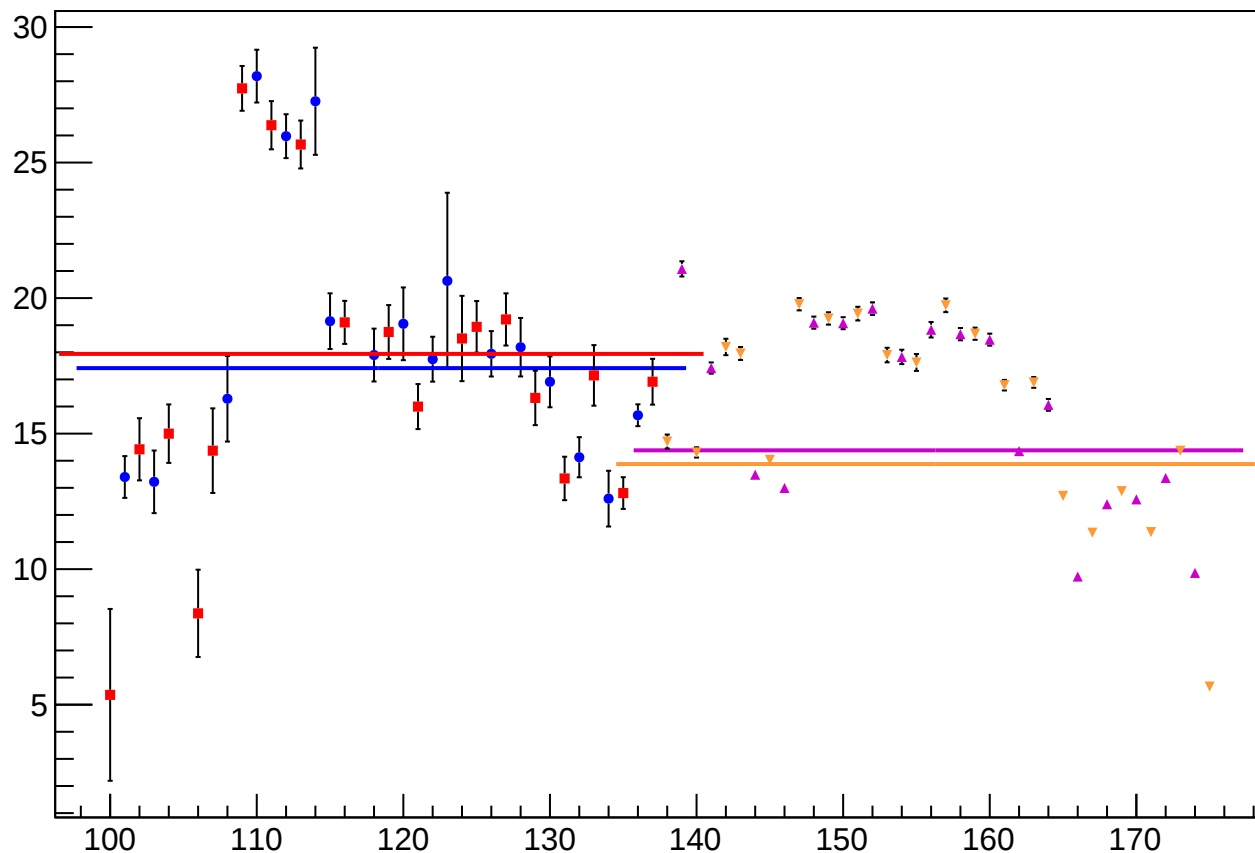
Left In: 0.932 ± 0.033 χ^2/NDF : 1089.4/17

+ sign 0.782 ± 0.031 χ^2/NDF : 2571.8/36

All: 0.901 ± 0.022 χ^2/NDF : 4155.8/73

- sign 1.027 ± 0.032 χ^2/NDF : 1553.3/36

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 ± 0.213 χ^2/NDF : 367.0/16

Left Out: 13.877 ± 0.043 χ^2/NDF : 9618.7/19

Right Out: 17.941 ± 0.219 χ^2/NDF : 505.6/18

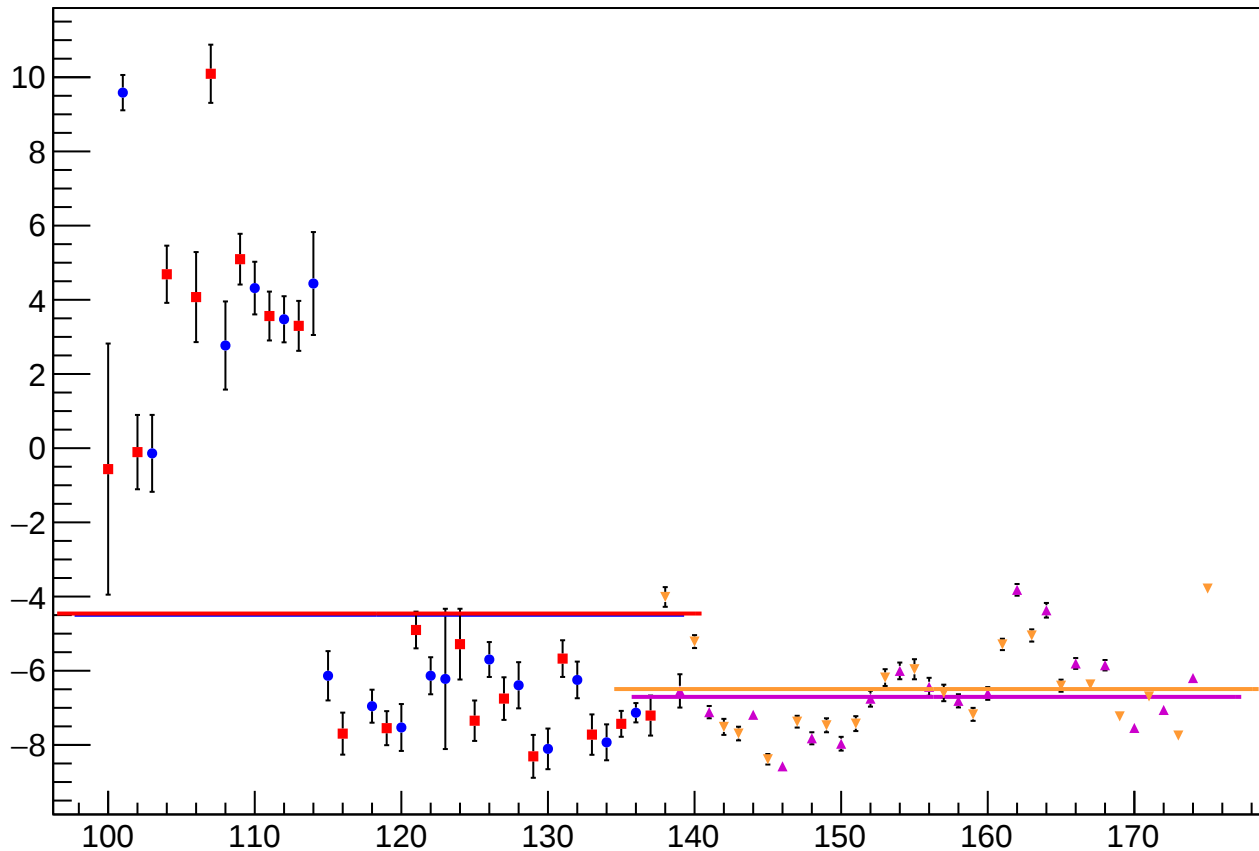
Left In: 14.383 ± 0.044 χ^2/NDF : 5861.7/17

+ sign 14.013 ± 0.042 χ^2/NDF : 10252.2/36

All: 14.258 ± 0.030 χ^2/NDF : 16944.5/73

- sign 14.521 ± 0.043 χ^2/NDF : 6620.7/36

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: -6.494 ± 0.036 χ^2/NDF : 1292.5/19

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

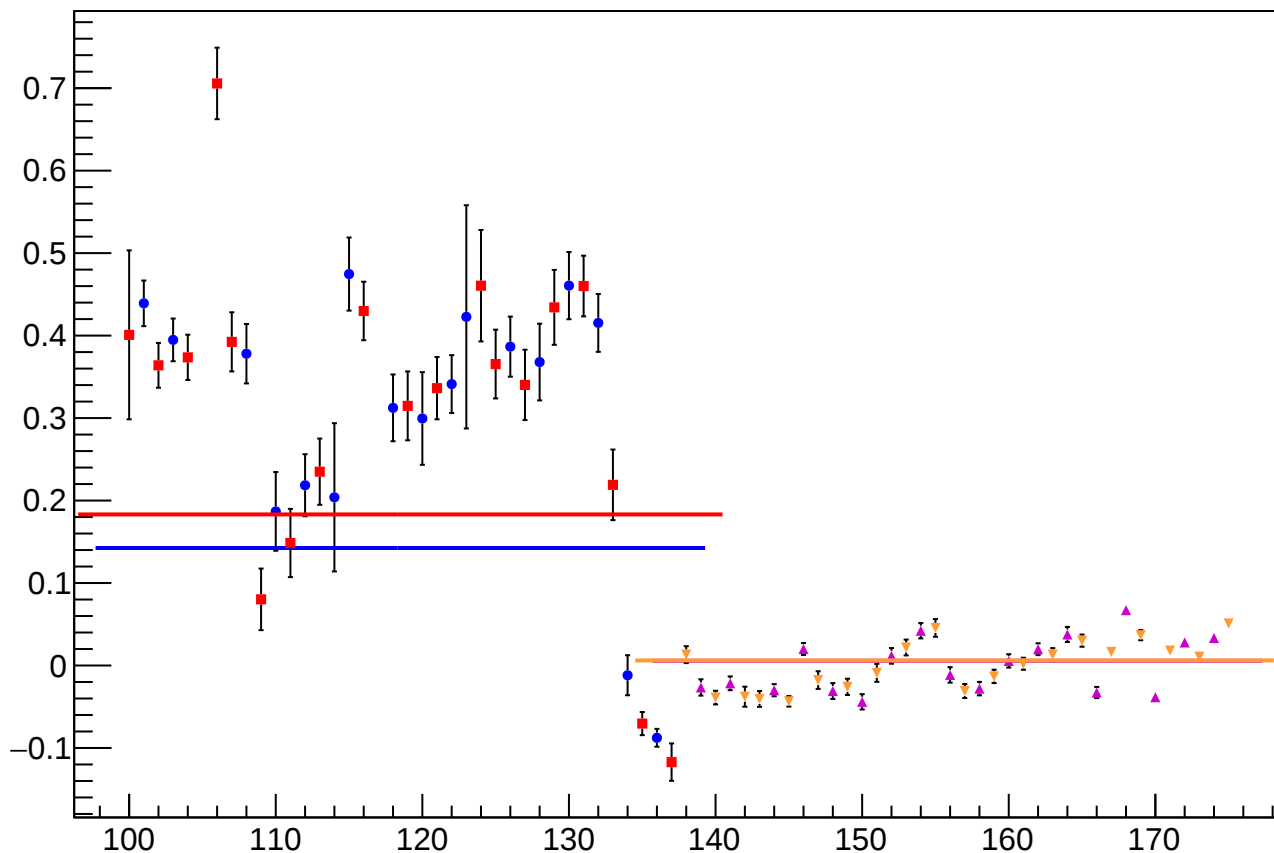
Left In: -6.705 ± 0.037 χ^2/NDF : 973.2/17

+ sign -6.350 ± 0.035 χ^2/NDF : 3096.6/36

All: -6.446 ± 0.025 χ^2/NDF : 5674.5/73

- sign -6.549 ± 0.036 χ^2/NDF : 2562.3/36

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: 0.006 ± 0.002 χ^2/NDF : 294.8/19

Right Out: 0.183 ± 0.007 χ^2/NDF : 1000.9/18

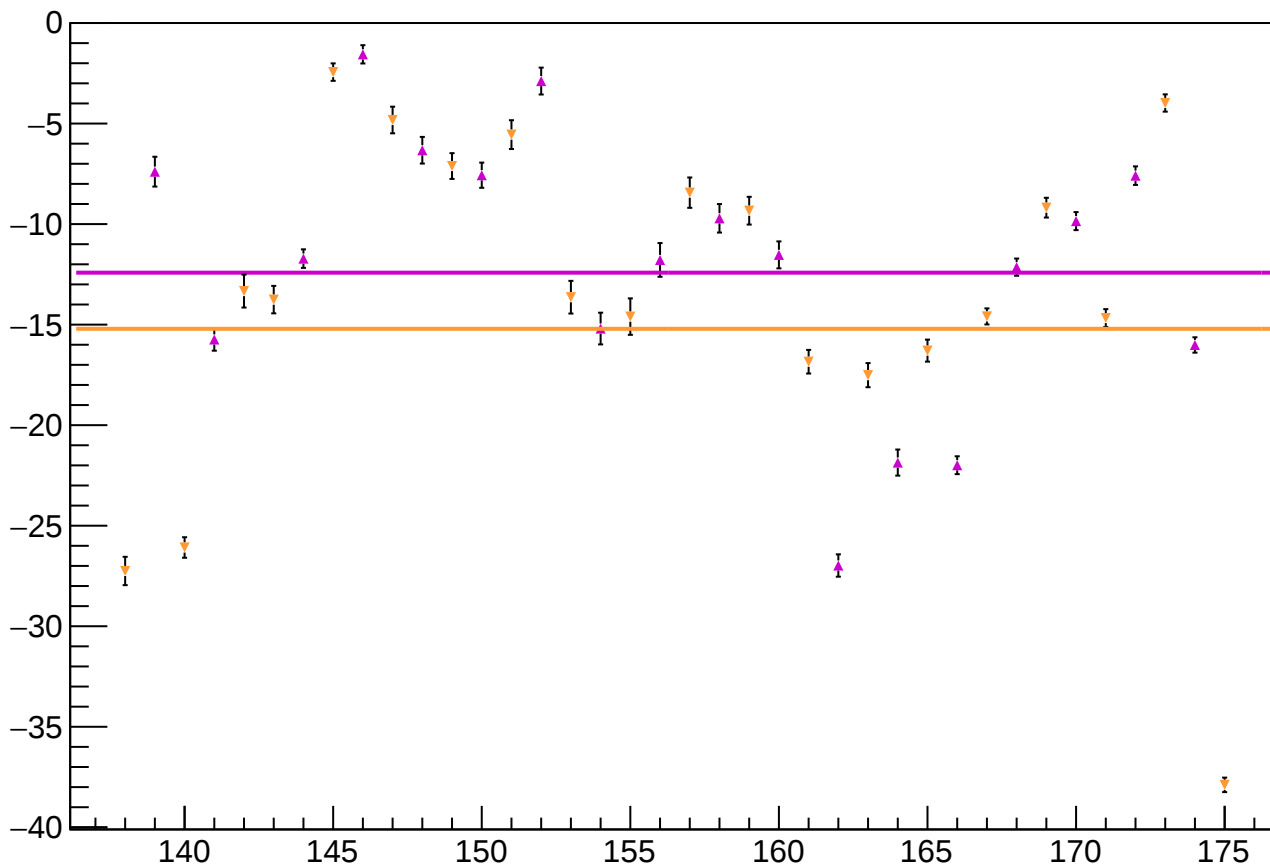
Left In: 0.006 ± 0.002 χ^2/NDF : 410.2/17

+ sign 0.013 ± 0.002 χ^2/NDF : 1705.5/36

All: 0.014 ± 0.001 χ^2/NDF : 3661.6/73

- sign 0.015 ± 0.002 χ^2/NDF : 1955.8/36

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -15.207+/-0.123 χ^2/NDF : 7185.7/19

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

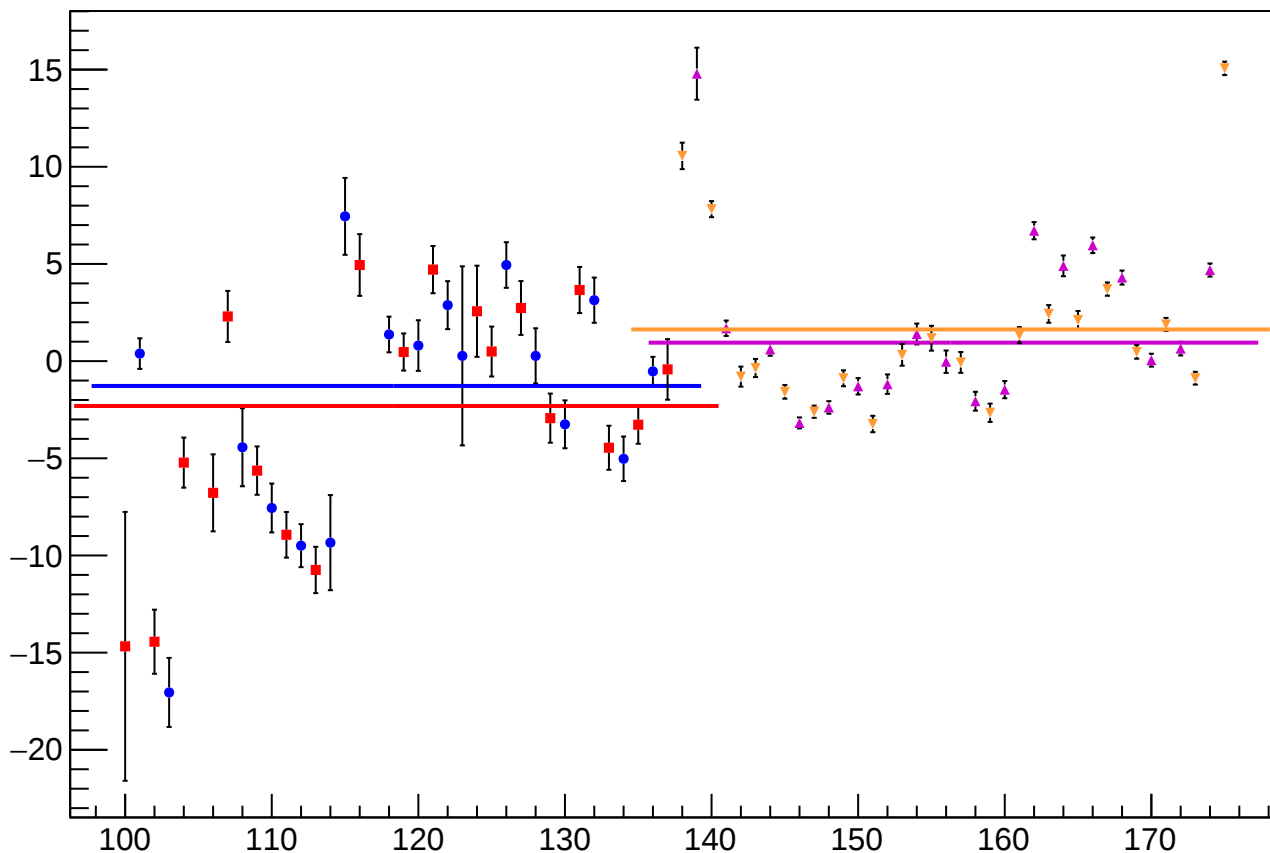
Left In: -12.416+/-0.128 χ^2/NDF : 2624.2/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -13.857+/-0.089 χ^2/NDF : 10057.1/37

- 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: 1.631 ± 0.092 χ^2/NDF : 2589.5/19

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

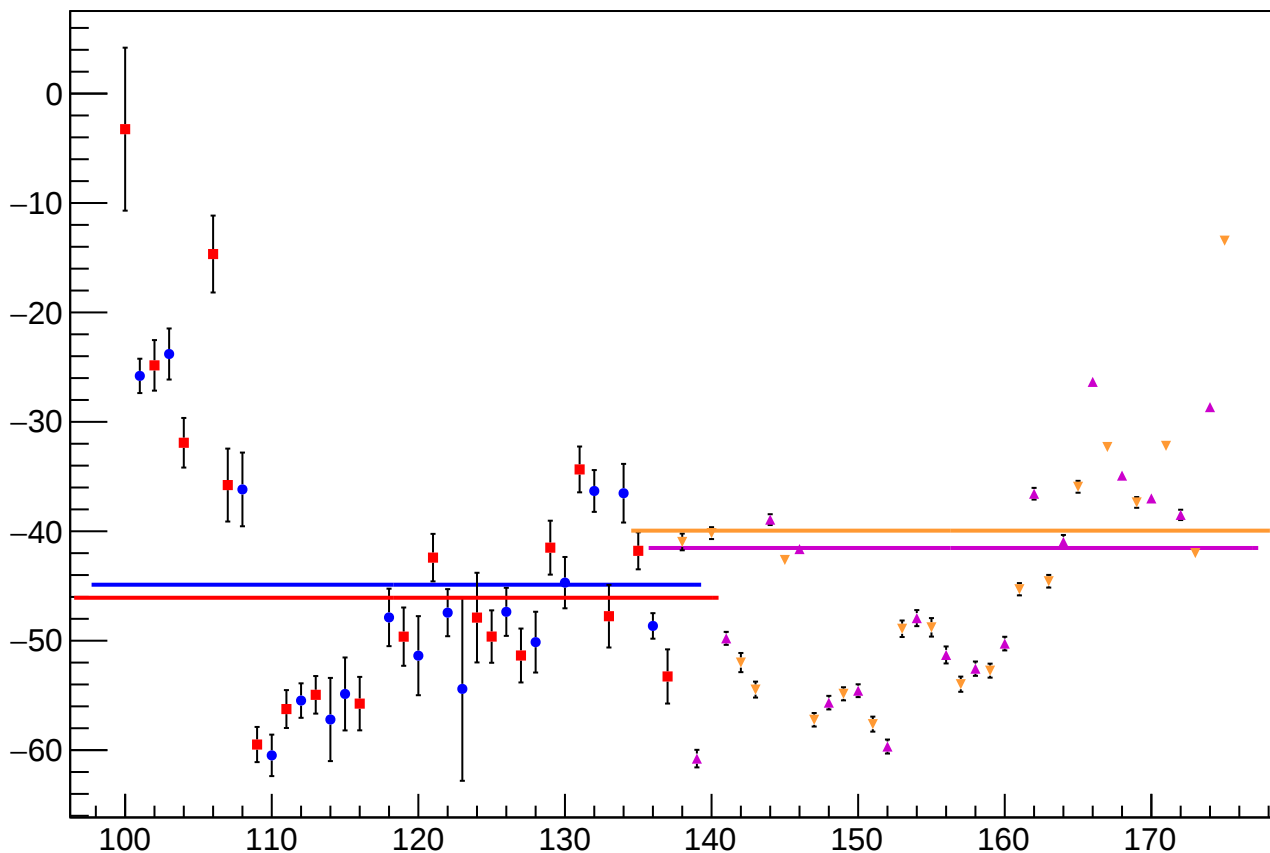
Left In: 0.950 ± 0.095 χ^2/NDF : 1144.8/17

+ sign 1.368 ± 0.088 χ^2/NDF : 2956.1/36

All: 1.024 ± 0.063 χ^2/NDF : 4523.6/73

- sign 0.660 ± 0.090 χ^2/NDF : 1535.9/36

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -39.942 ± 0.124 χ^2/NDF : 10037.1/19

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

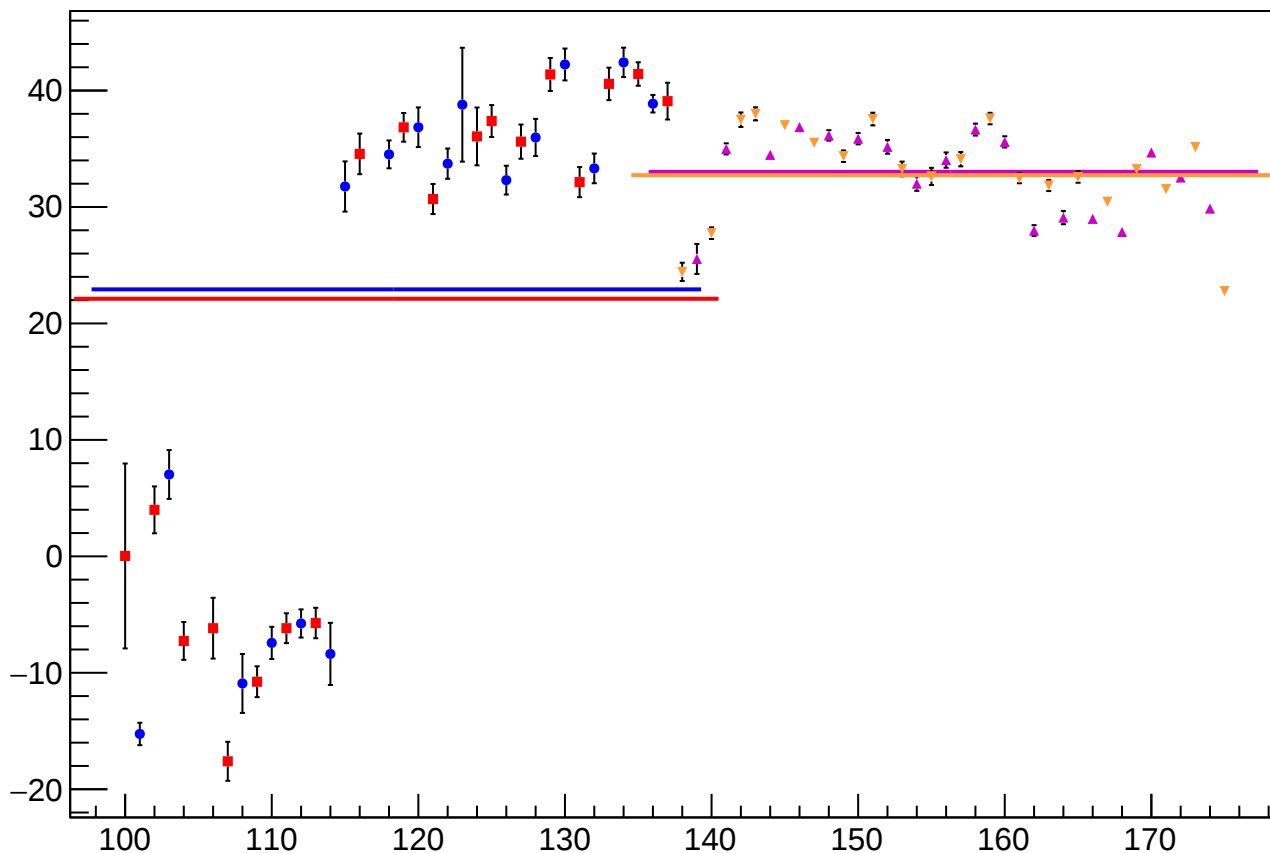
Left In: -41.526 ± 0.128 χ^2/NDF : 5875.8/17

+ sign -40.202 ± 0.120 χ^2/NDF : 10542.2/36

All: -40.965 ± 0.086 χ^2/NDF : 17025.4/73

- sign -41.777 ± 0.124 χ^2/NDF : 6400.0/36

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: 32.732 $\pm$ 0.105 χ^2 /NDF:1548.7/19

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

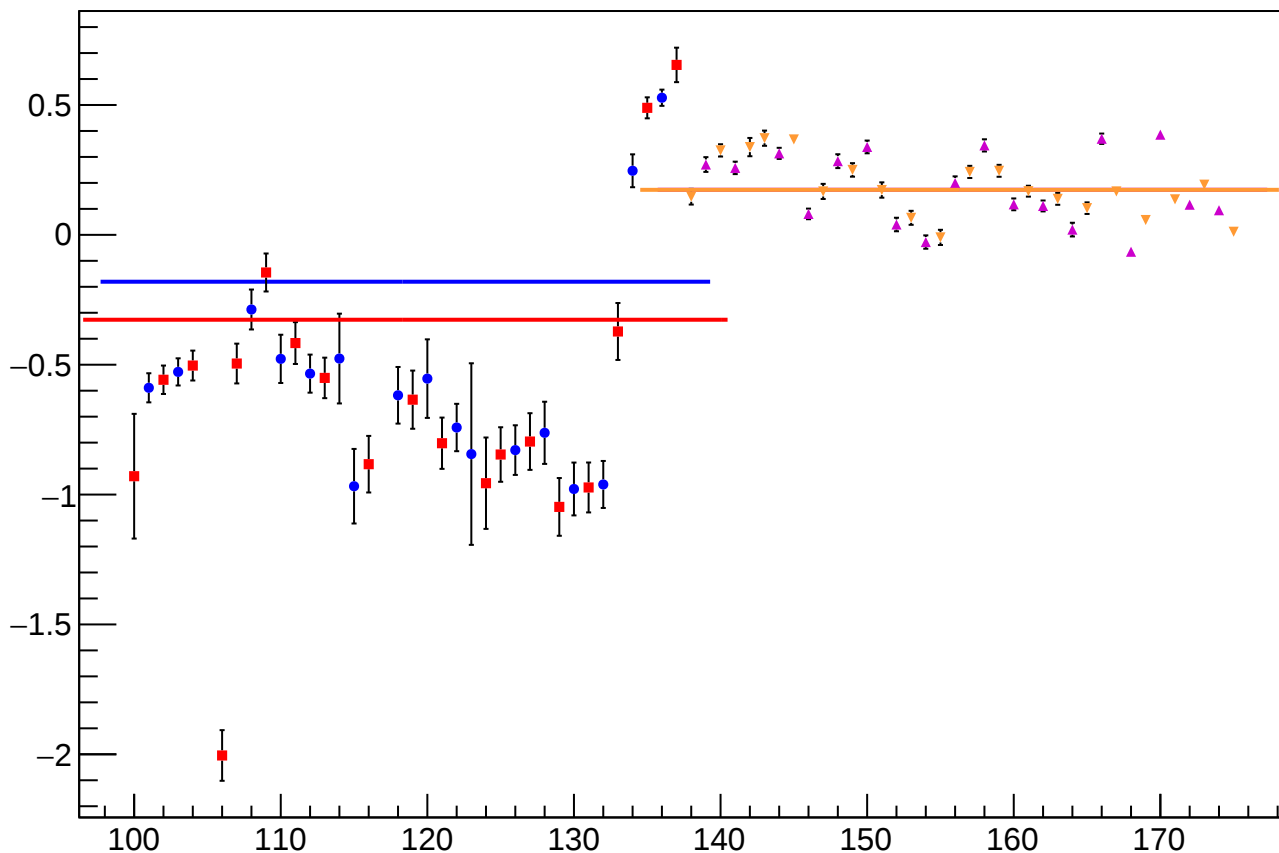
Left In: 33.019 $\pm$ 0.108 χ^2 /NDF:865.6/17

+ sign 31.823 $\pm$ 0.100 χ^2 /NDF: 6689.5/36

All: 31.916 $\pm$ 0.072 χ^2 /NDF: 12524.1/73

- sign 32.016 $\pm$ 0.103 χ^2 /NDF: 5832.8/36

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.173 ± 0.005 χ^2/NDF : 455.4/19

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

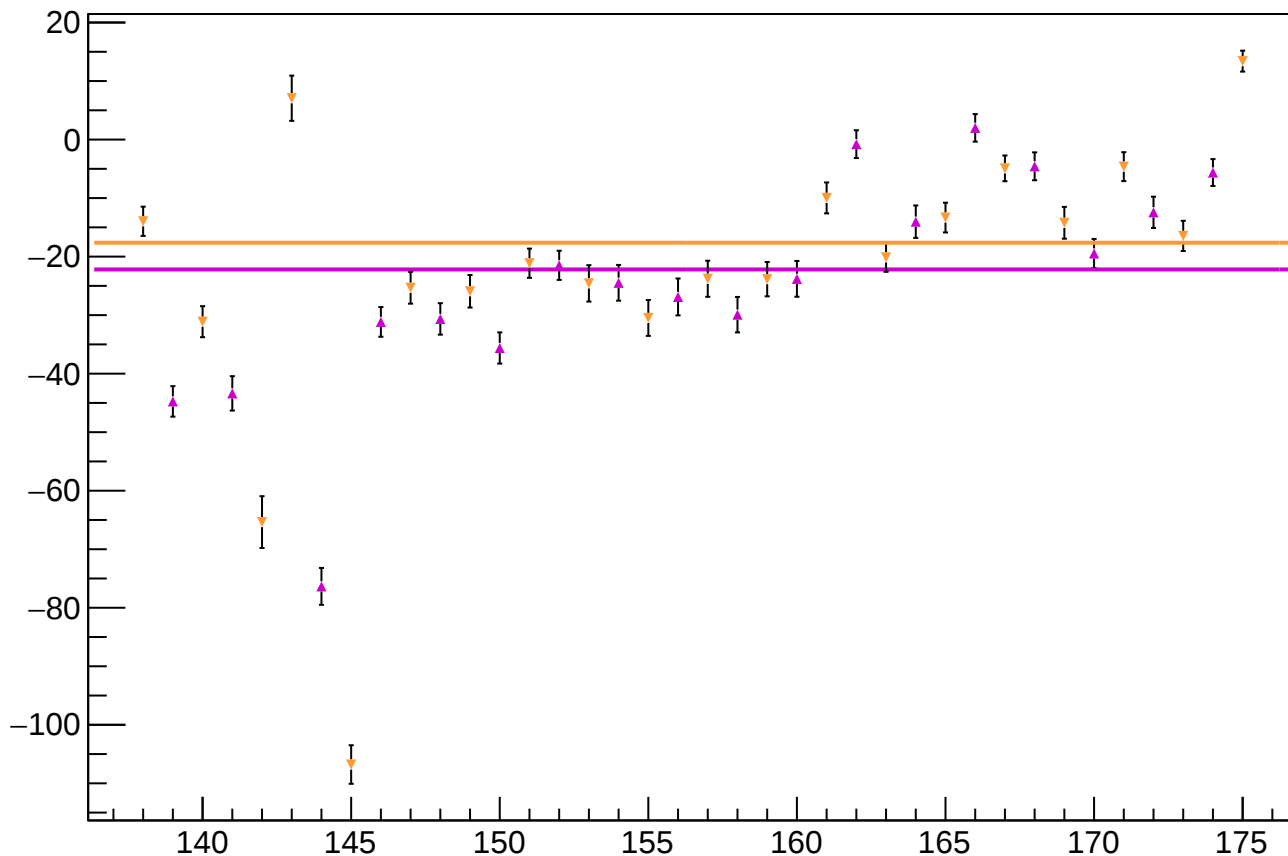
Left In: 0.174 ± 0.005 χ^2/NDF : 855.3/17

+ sign 0.149 ± 0.005 χ^2/NDF : 1819.8/36

All: 0.144 ± 0.003 χ^2/NDF : 4556.4/73

- sign 0.139 ± 0.005 χ^2/NDF : 2734.5/36

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -17.625 ± 0.598 χ^2/NDF : 1342.9/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

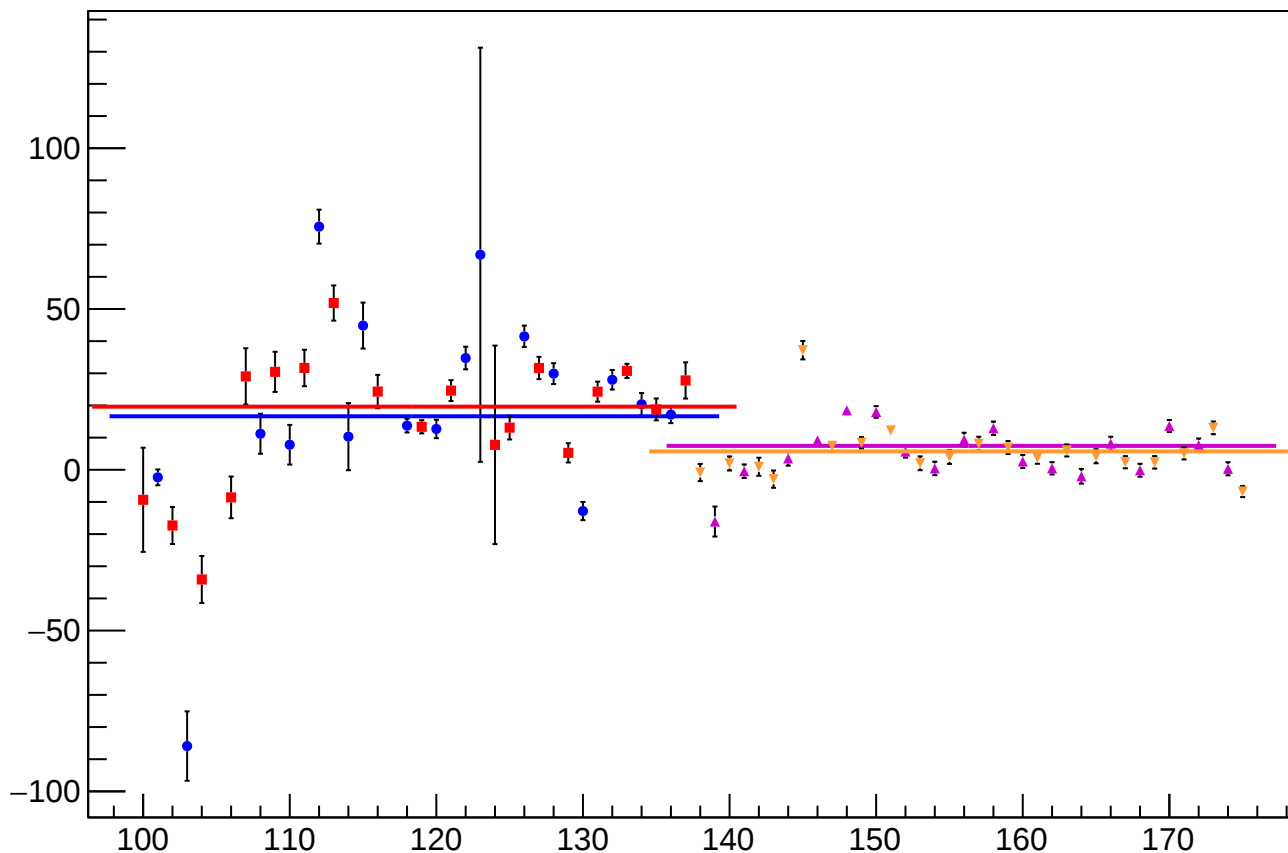
Left In: -22.193 ± 0.628 χ^2/NDF : 795.9/17

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -19.797 ± 0.433 χ^2/NDF : 2166.6/37

- 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 χ^2/NDF : 518.9/16

Left Out: 5.715 ± 0.438 χ^2/NDF : 247.2/19

Right Out: 19.632 ± 0.896 χ^2/NDF : 241.7/18

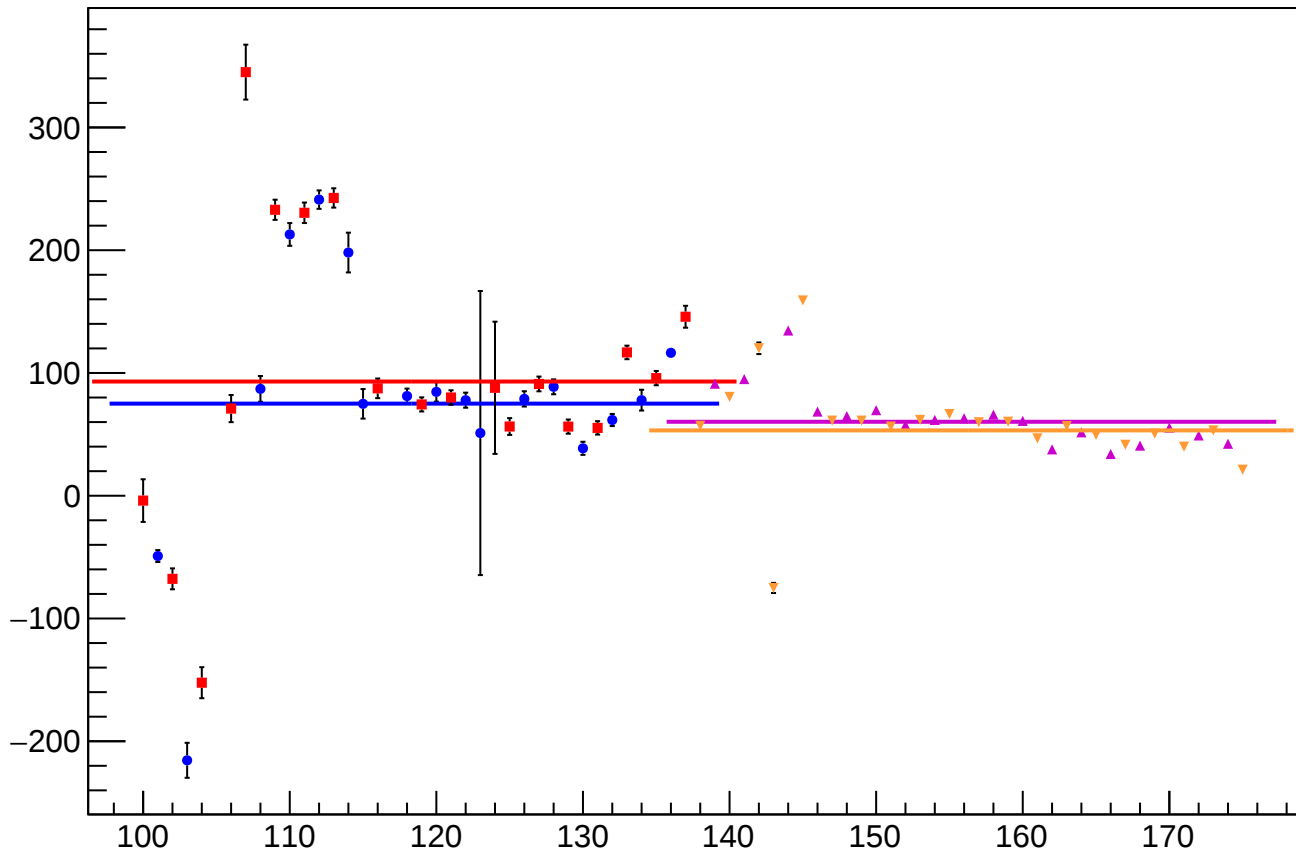
Left In: 7.435 ± 0.461 χ^2/NDF : 242.7/17

+ sign 7.970 ± 0.390 χ^2/NDF : 894.6/36

All: 8.929 ± 0.283 χ^2/NDF : 1538.1/73

- sign 9.989 ± 0.410 χ^2/NDF : 630.8/36

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 53.218 $\pm$ 0.591 χ^2 /NDF: 2671.2/19

Right Out: 93.028 $\pm$ 1.711 χ^2 /NDF: 2003.6/18

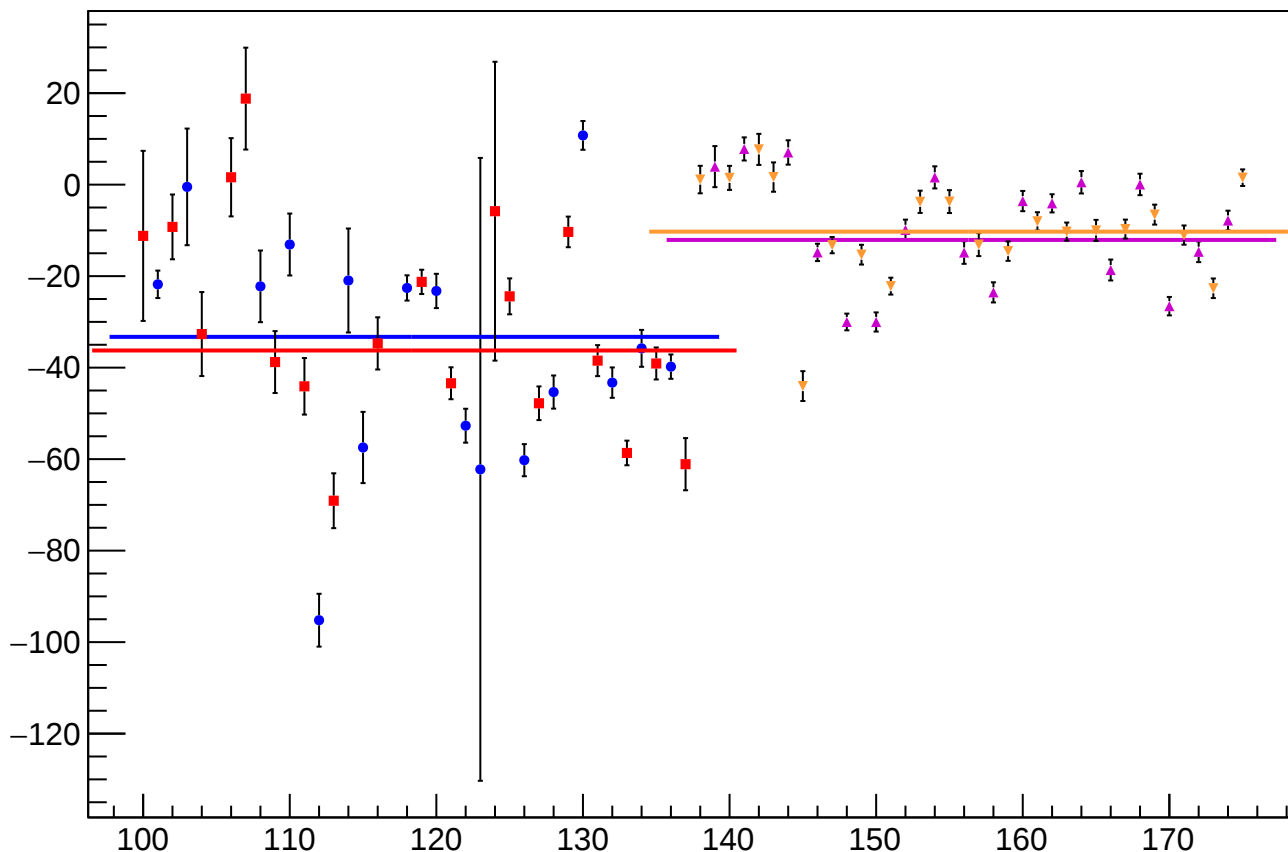
Left In: 60.244 $\pm$ 0.620 χ^2 /NDF: 1130.3/17

+ sign 55.706 $\pm$ 0.556 χ^2 /NDF: 4826.4/36

All: 59.680 $\pm$ 0.402 χ^2 /NDF: 8391.9/73

- sign 64.045 $\pm$ 0.583 χ^2 /NDF: 3458.4/36

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 $\pm$ 0.982 χ^2/NDF : 489.4/16

Left Out: -10.274 $\pm$ 0.503 χ^2/NDF : 333.0/19

Right Out: -36.251 $\pm$ 1.024 χ^2/NDF : 297.6/18

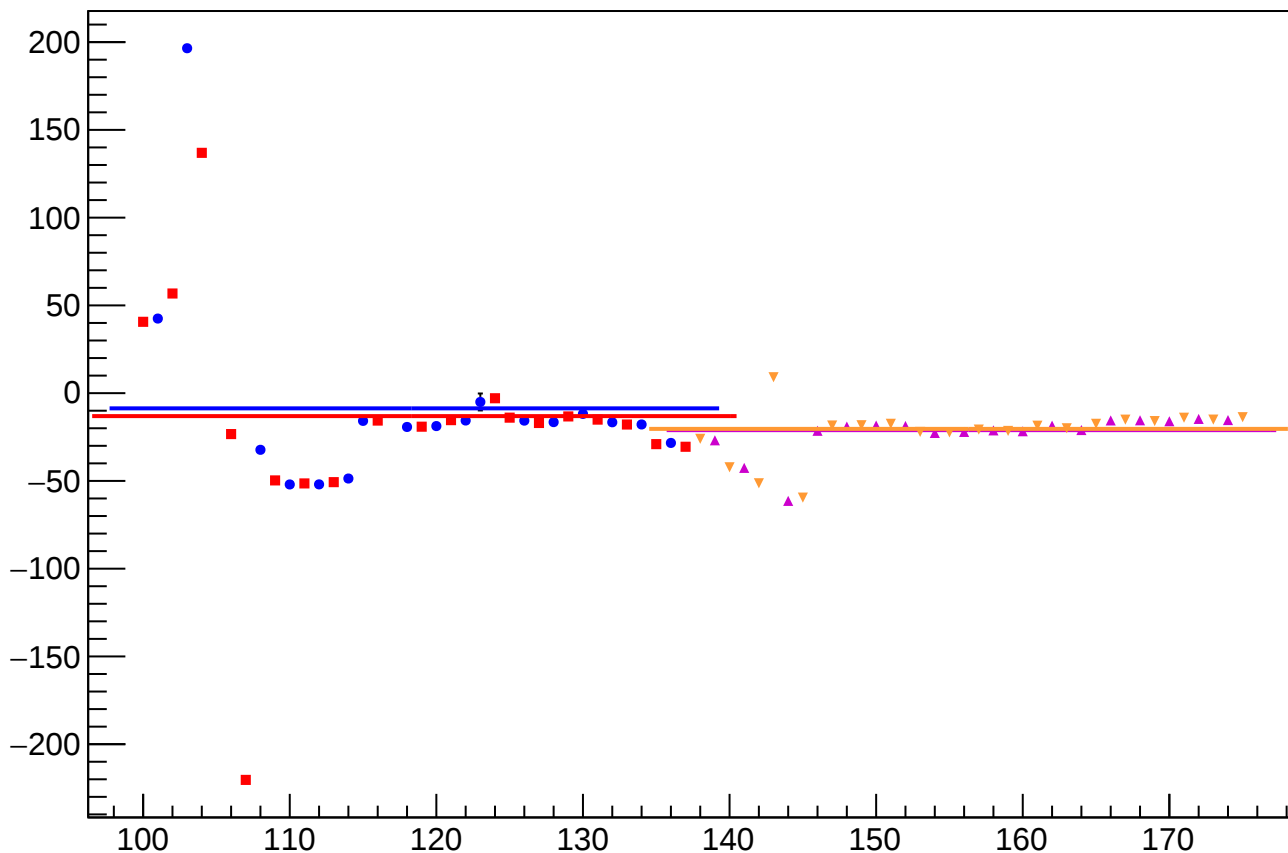
Left In: -12.084 $\pm$ 0.531 χ^2/NDF : 508.7/17

+ sign -15.050 $\pm$ 0.447 χ^2/NDF : 1257.0/36

All: -16.070 $\pm$ 0.324 χ^2/NDF : 2513.4/73

- sign -17.200 $\pm$ 0.471 χ^2/NDF : 1245.4/36

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -20.348 ± 0.023 $\chi^2/\text{NDF}: 199563.2/19$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

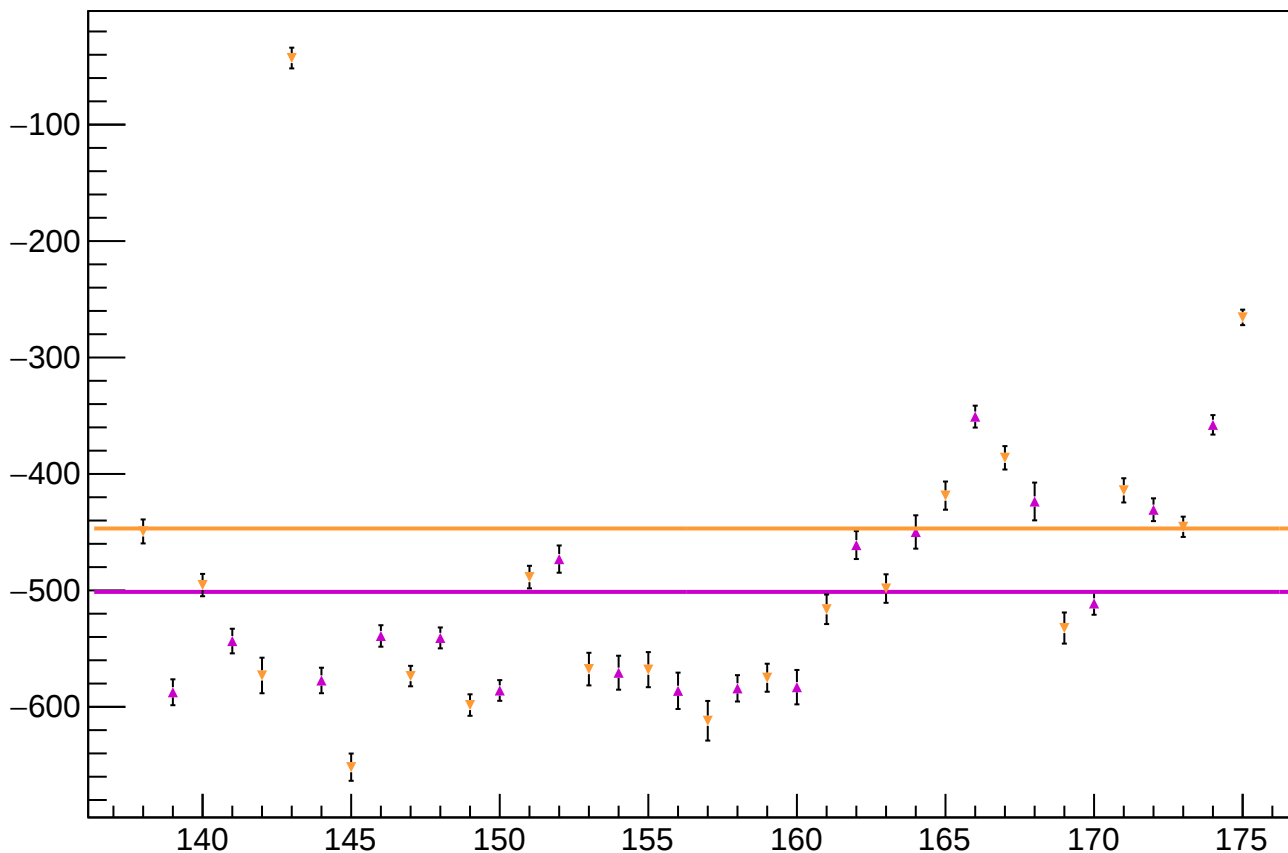
Left In: -21.072 ± 0.024 $\chi^2/\text{NDF}: 127825.2/17$

+ sign -18.768 ± 0.022 $\chi^2/\text{NDF}: 809167.4/36$

All: -19.378 ± 0.016 $\chi^2/\text{NDF}: 1511469.3/73$

- sign -20.025 ± 0.022 $\chi^2/\text{NDF}: 700676.6/36$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -446.834+/-2.357 χ^2/NDF : 4188.5/19

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

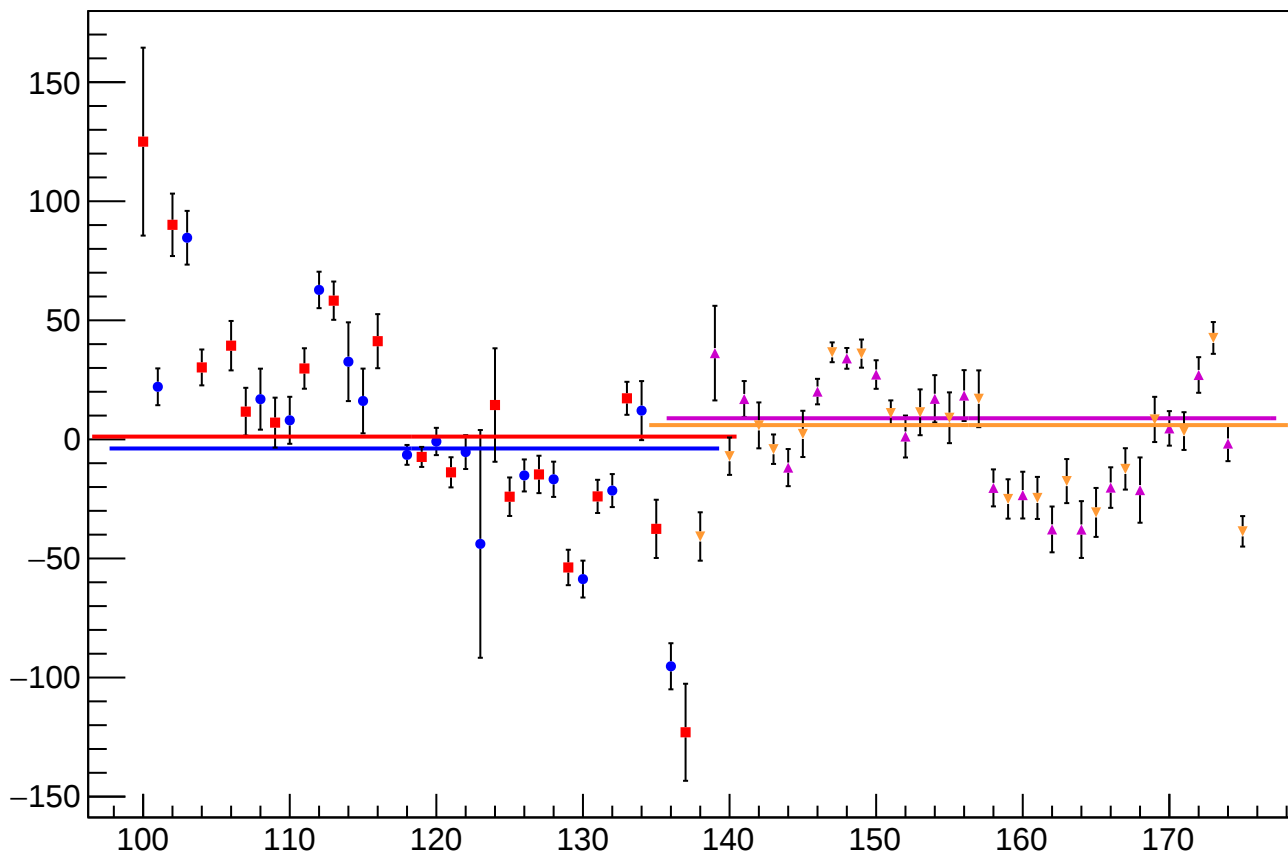
Left In: -501.293+/-2.558 χ^2/NDF : 1042.8/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -471.846+/-1.733 χ^2/NDF : 5476.4/37

- 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: 6.002 ± 1.673 χ^2/NDF : 237.2/19

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

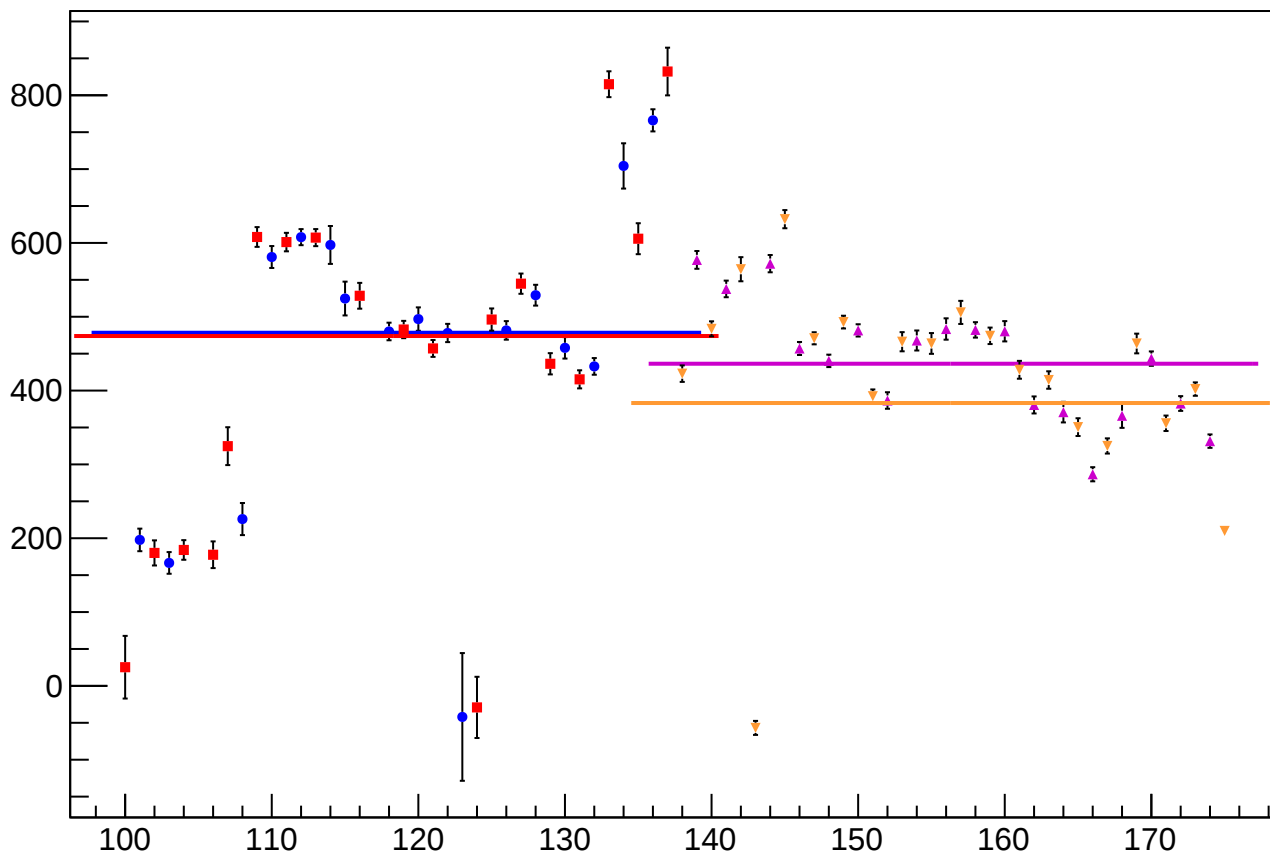
Left In: 8.879 ± 1.817 χ^2/NDF : 148.2/17

+ sign 1.772 ± 1.262 χ^2/NDF : 566.4/36

All: 3.425 ± 0.911 χ^2/NDF : 1030.5/73

- sign 5.227 ± 1.318 χ^2/NDF : 460.5/36

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 ± 3.662 $\chi^2/\text{NDF}: 1628.8/16$

Left Out: 383.160 ± 2.344 $\chi^2/\text{NDF}: 4054.5/19$

Right Out: 473.902 ± 3.531 $\chi^2/\text{NDF}: 2285.0/18$

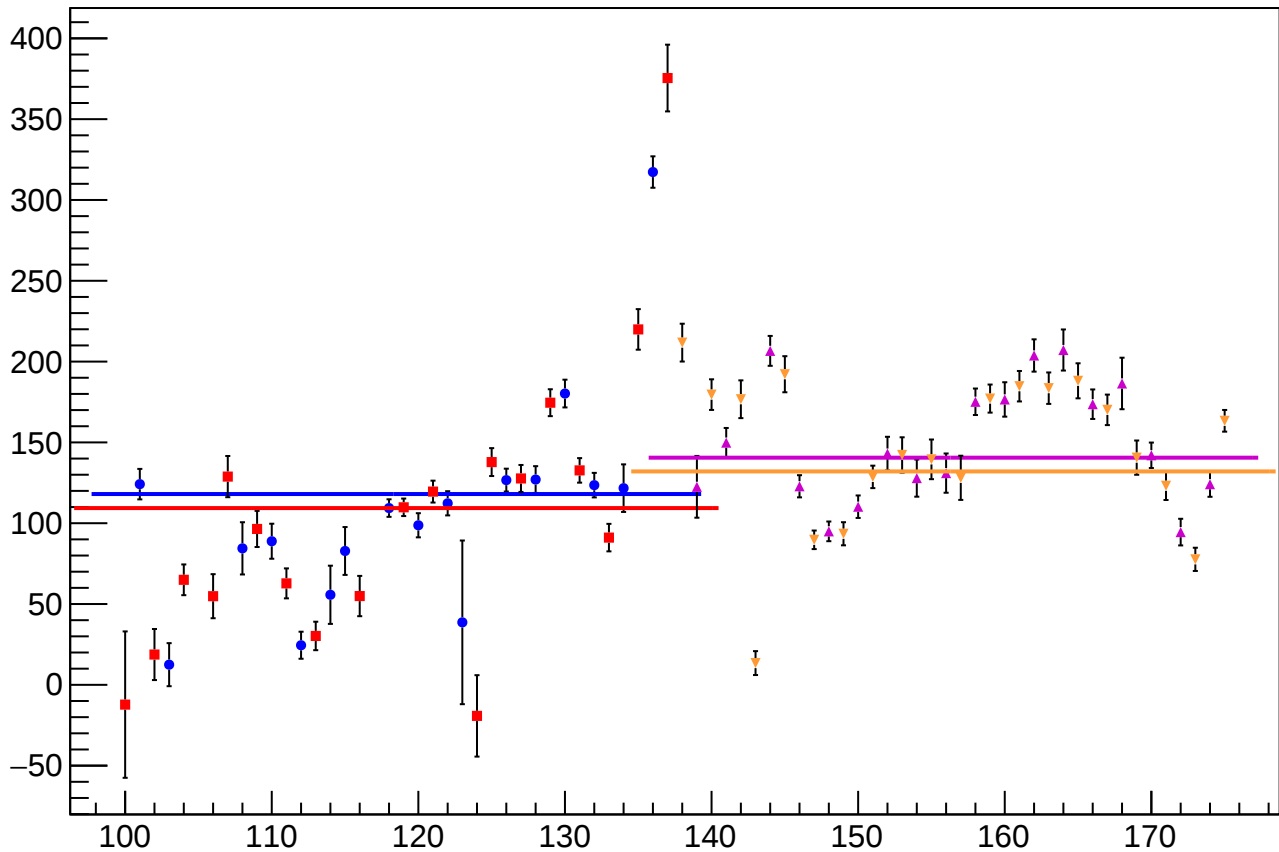
Left In: 436.370 ± 2.531 $\chi^2/\text{NDF}: 922.3/17$

+ sign 410.814 ± 1.974 $\chi^2/\text{NDF}: 6162.5/36$

All: 429.171 ± 1.424 $\chi^2/\text{NDF}: 9624.9/73$

- sign 449.111 ± 2.057 $\chi^2/\text{NDF}: 3281.9/36$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 132.051 ± 1.956 $\chi^2/\text{NDF}: 667.4/19$

Right Out: 109.367 ± 2.205 $\chi^2/\text{NDF}: 569.8/18$

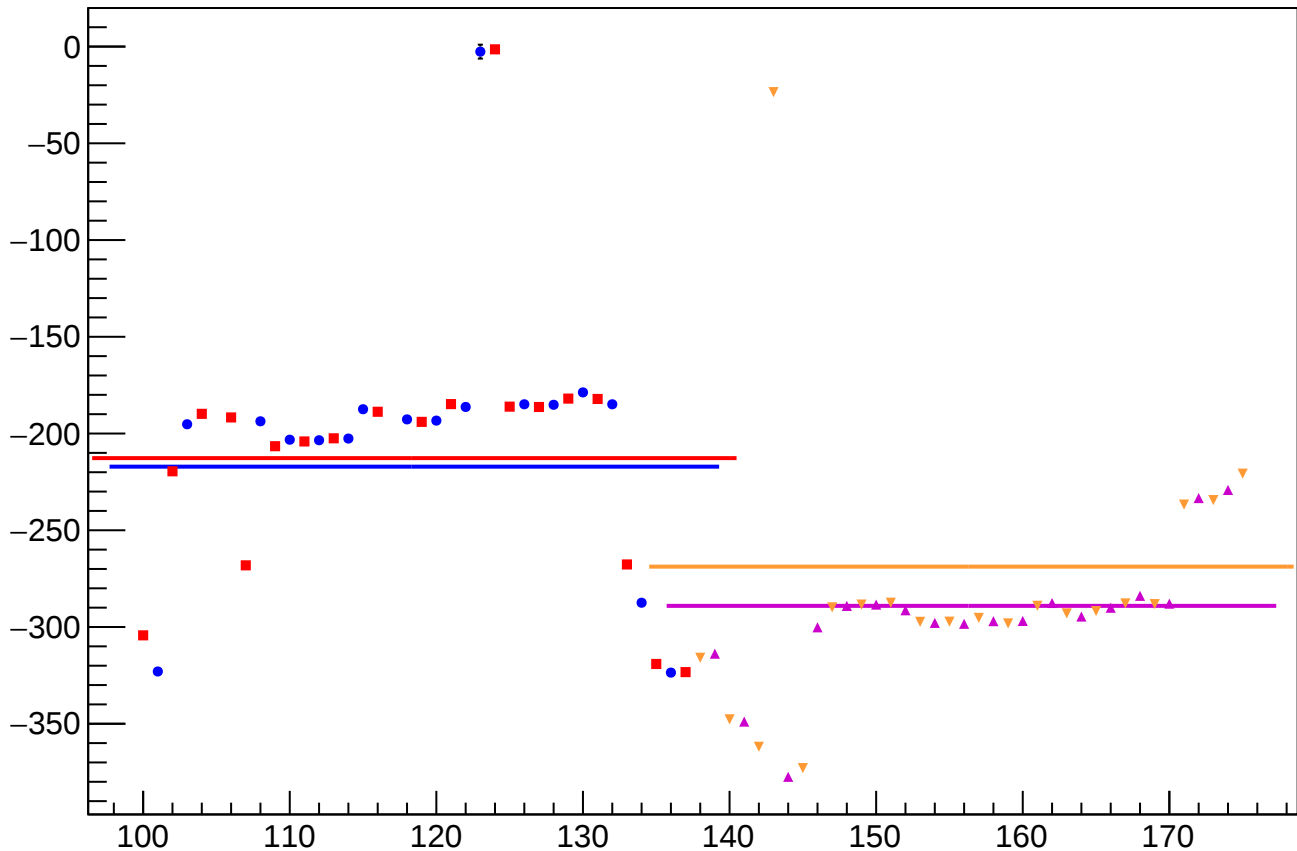
Left In: 140.550 ± 2.122 $\chi^2/\text{NDF}: 290.5/17$

+ sign 125.950 ± 1.469 $\chi^2/\text{NDF}: 1395.0/36$

All: 125.762 ± 1.059 $\chi^2/\text{NDF}: 2359.2/73$

- sign 125.559 ± 1.529 $\chi^2/\text{NDF}: 964.1/36$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -268.797 ± 0.095 $\chi^2/\text{NDF}: 598589.1/19$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

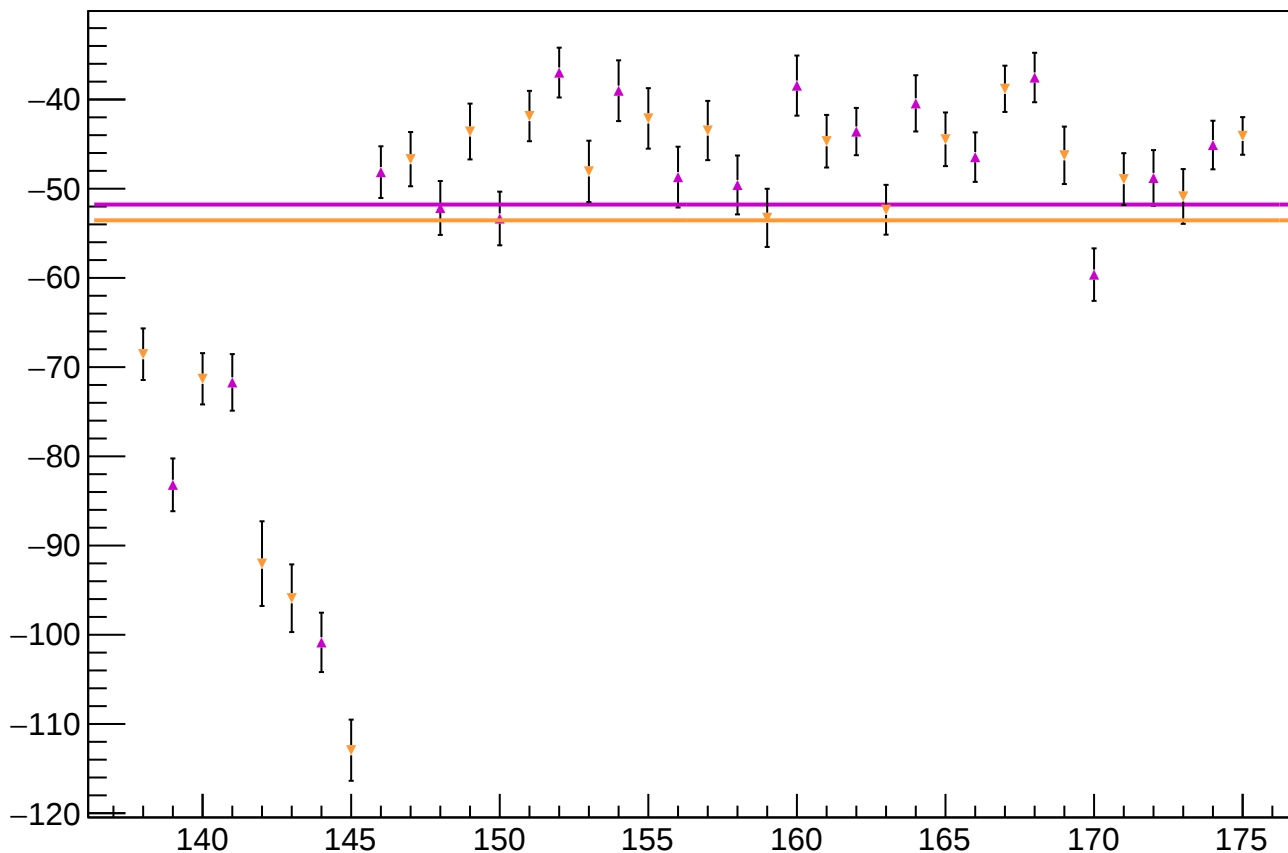
Left In: -289.068 ± 0.099 $\chi^2/\text{NDF}: 110414.6/17$

+ sign -252.032 ± 0.078 $\chi^2/\text{NDF}: 841869.4/36$

All: -256.450 ± 0.055 $\chi^2/\text{NDF}: 1291943.3/73$

- sign -260.998 ± 0.079 $\chi^2/\text{NDF}: 443527.4/36$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -53.546+/-0.677 χ^2/NDF : 690.4/19

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

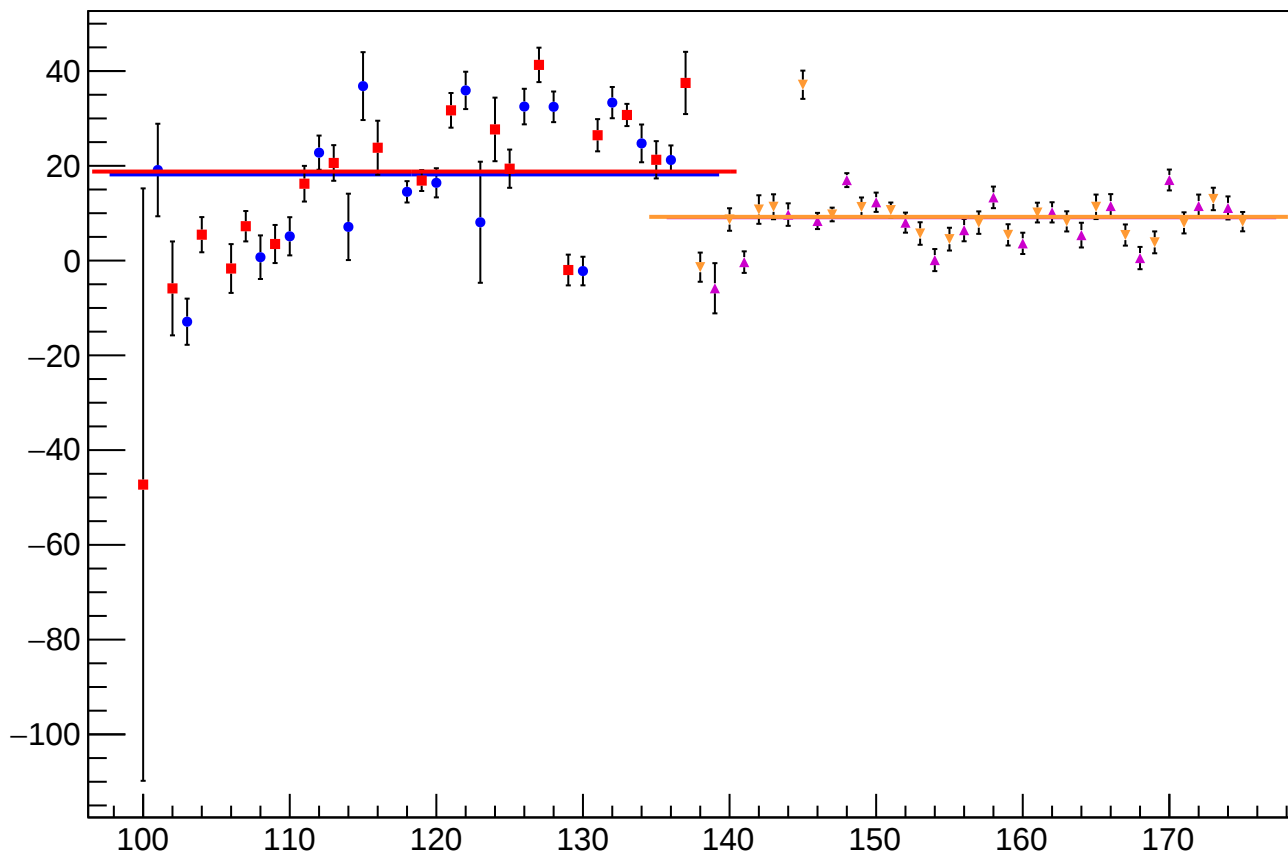
Left In: -51.777+/-0.711 χ^2/NDF : 497.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -52.704+/-0.490 χ^2/NDF : 1190.9/37

- 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: 9.231 ± 0.494 χ^2/NDF : 124.0/19

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

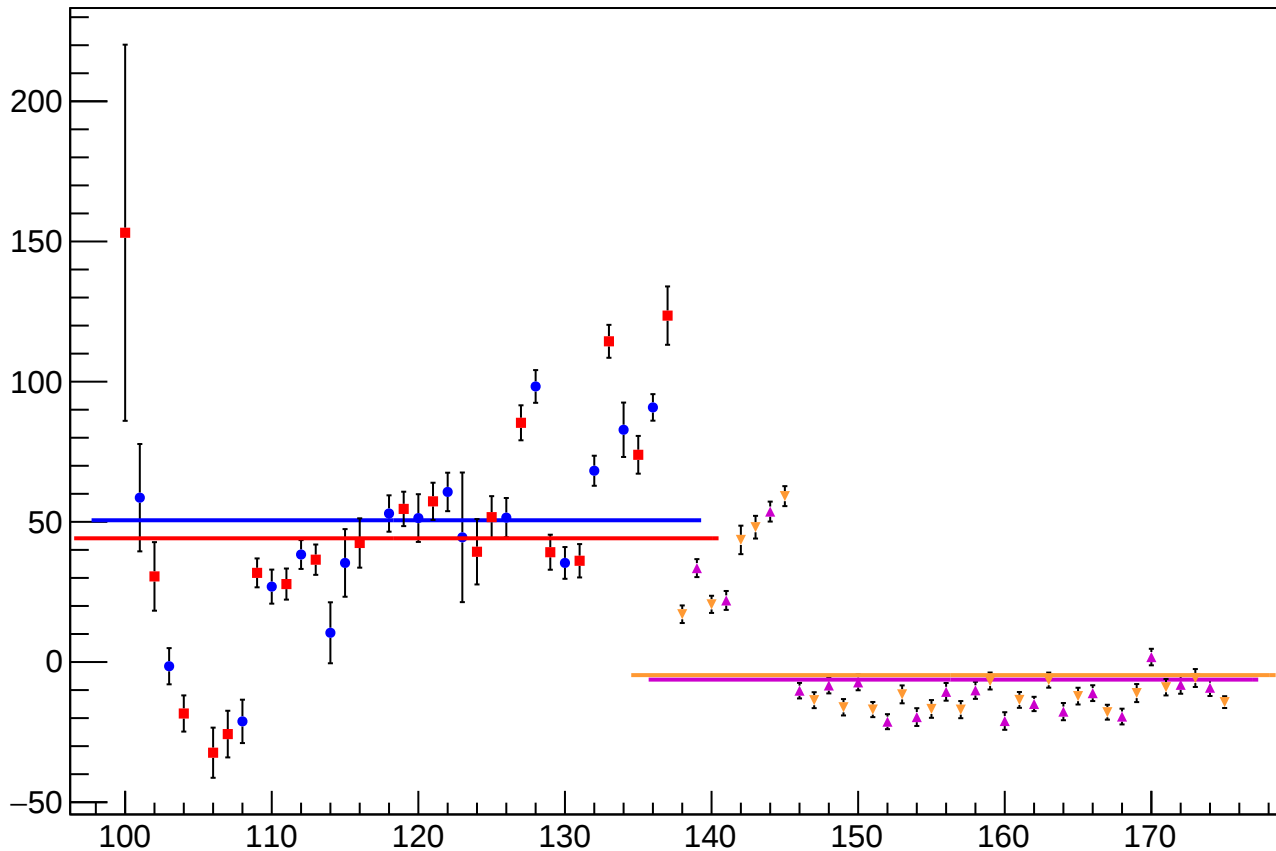
Left In: 9.151 ± 0.521 χ^2/NDF : 113.5/17

+ sign 11.244 ± 0.435 χ^2/NDF : 402.8/36

All: 11.479 ± 0.311 χ^2/NDF : 807.2/73

- sign 11.727 ± 0.446 χ^2/NDF : 403.8/36

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: -4.666 $\pm$ 0.669 χ^2 /NDF: 847.7/19

Right Out: 44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

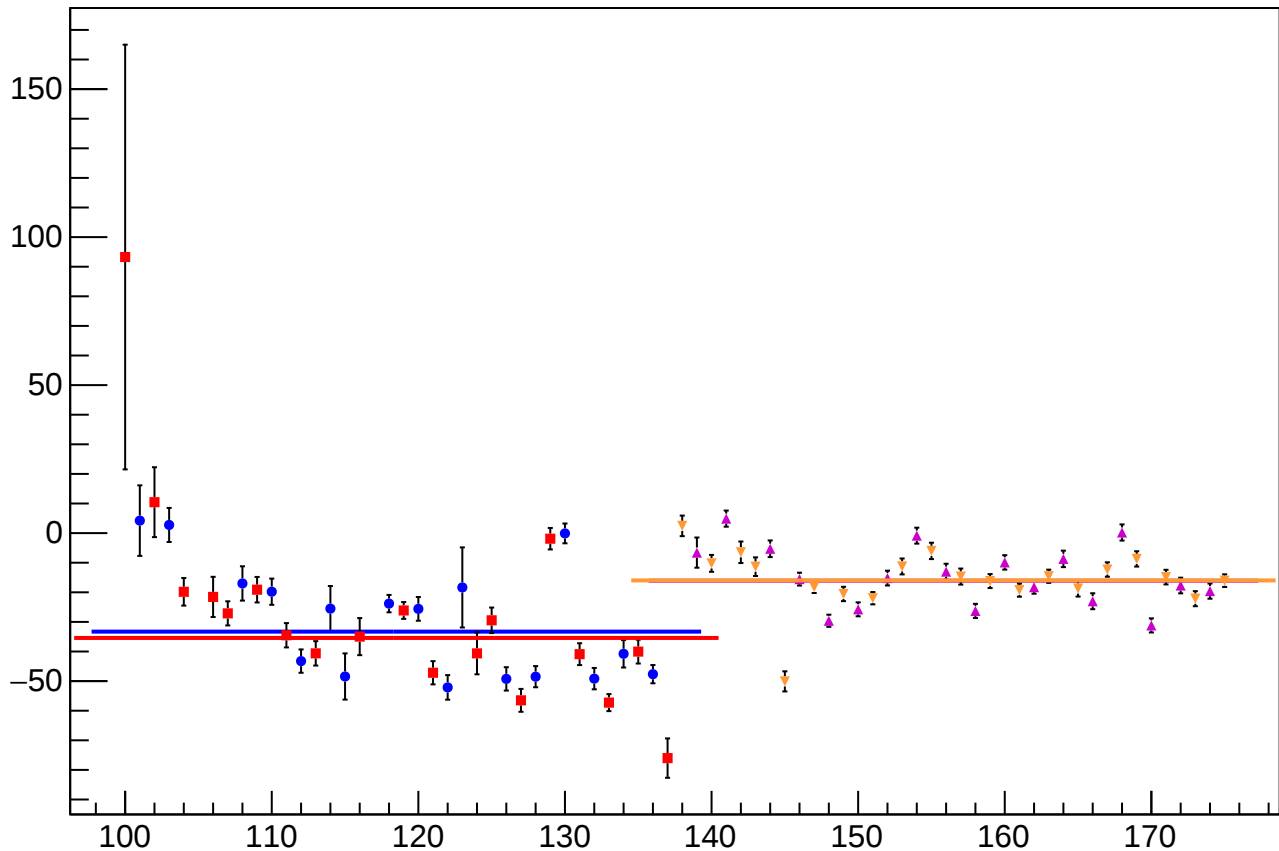
Left In: -6.271 $\pm$ 0.701 χ^2 /NDF: 644.4/17

+ sign 2.917 $\pm$ 0.622 χ^2 /NDF: 2140.8/36

All: 2.388 $\pm$ 0.447 χ^2 /NDF: 4149.6/73

- sign 1.825 $\pm$ 0.642 χ^2 /NDF: 2007.3/36

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -15.984 ± 0.568 χ^2/NDF : 191.3/19

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

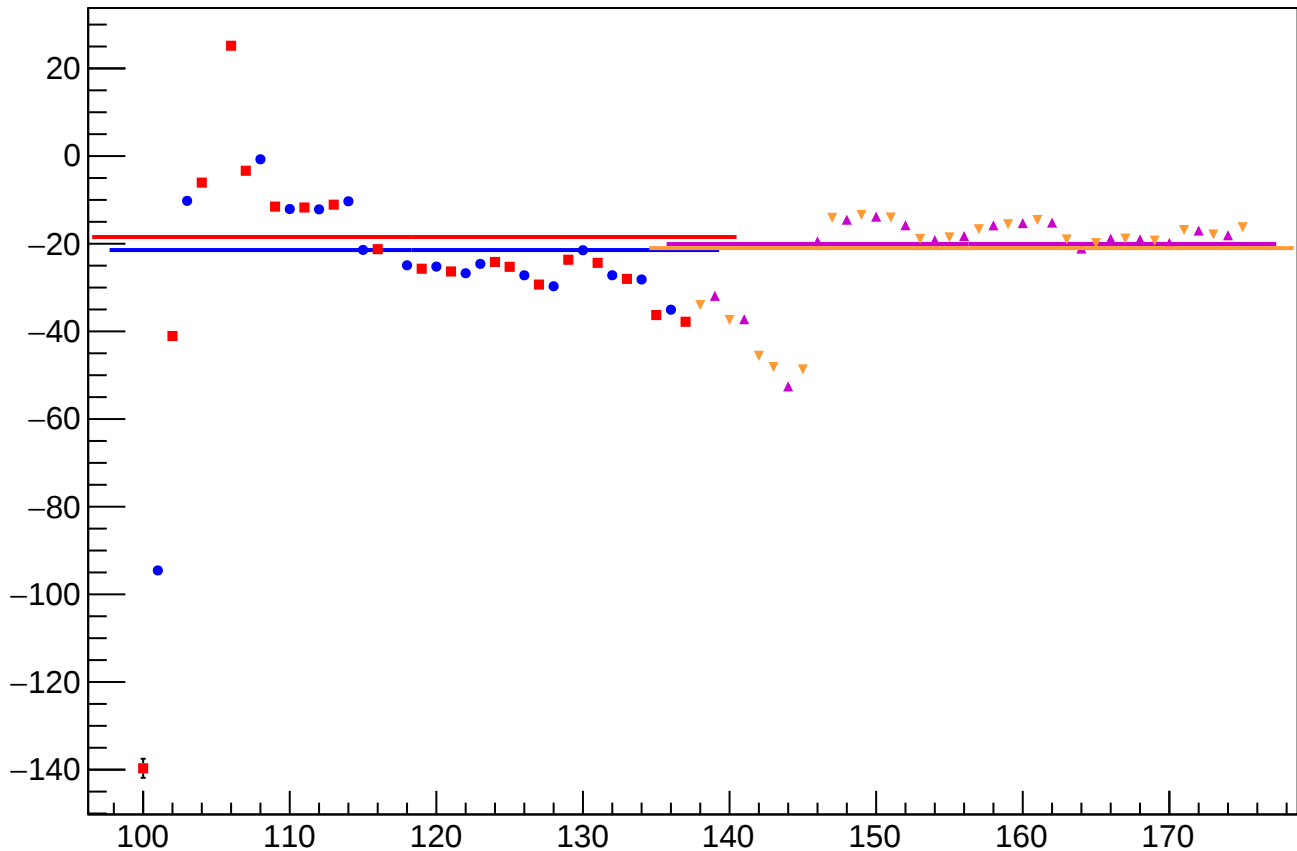
Left In: -16.090 ± 0.600 χ^2/NDF : 287.9/17

+ sign -19.941 ± 0.499 χ^2/NDF : 693.3/36

All: -20.586 ± 0.358 χ^2/NDF : 1552.7/73

- sign -21.267 ± 0.513 χ^2/NDF : 856.0/36

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 χ^2/NDF : 48968.5/16

Left Out: -21.002 ± 0.026 χ^2/NDF : 131978.0/19

Right Out: -18.463 ± 0.057 χ^2/NDF : 80470.6/18

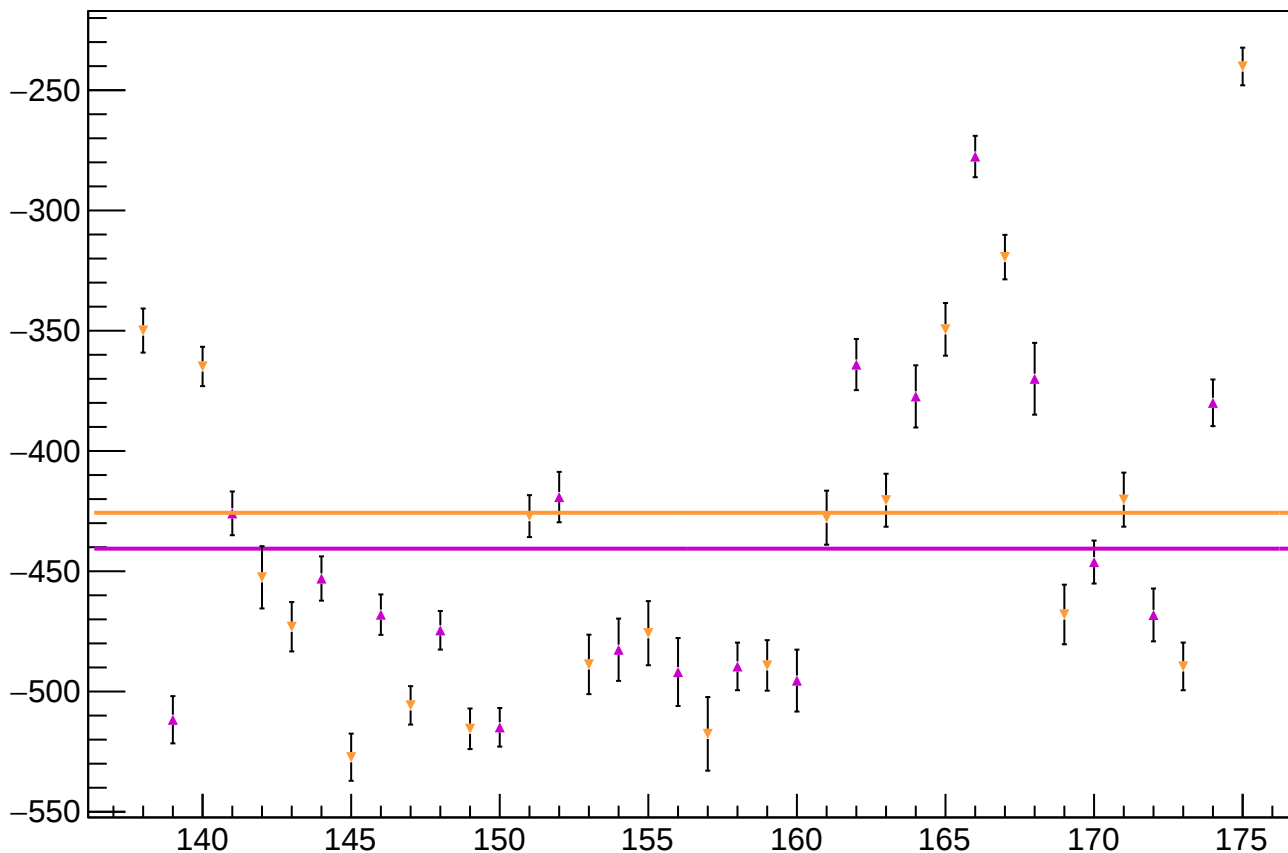
Left In: -20.060 ± 0.027 χ^2/NDF : 84328.7/17

+ sign -21.076 ± 0.024 χ^2/NDF : 180992.9/36

All: -20.434 ± 0.017 χ^2/NDF : 347870.2/73

- sign -19.768 ± 0.025 χ^2/NDF : 165432.1/36

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -425.689+/-2.246 χ^2/NDF :1379.0/19

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

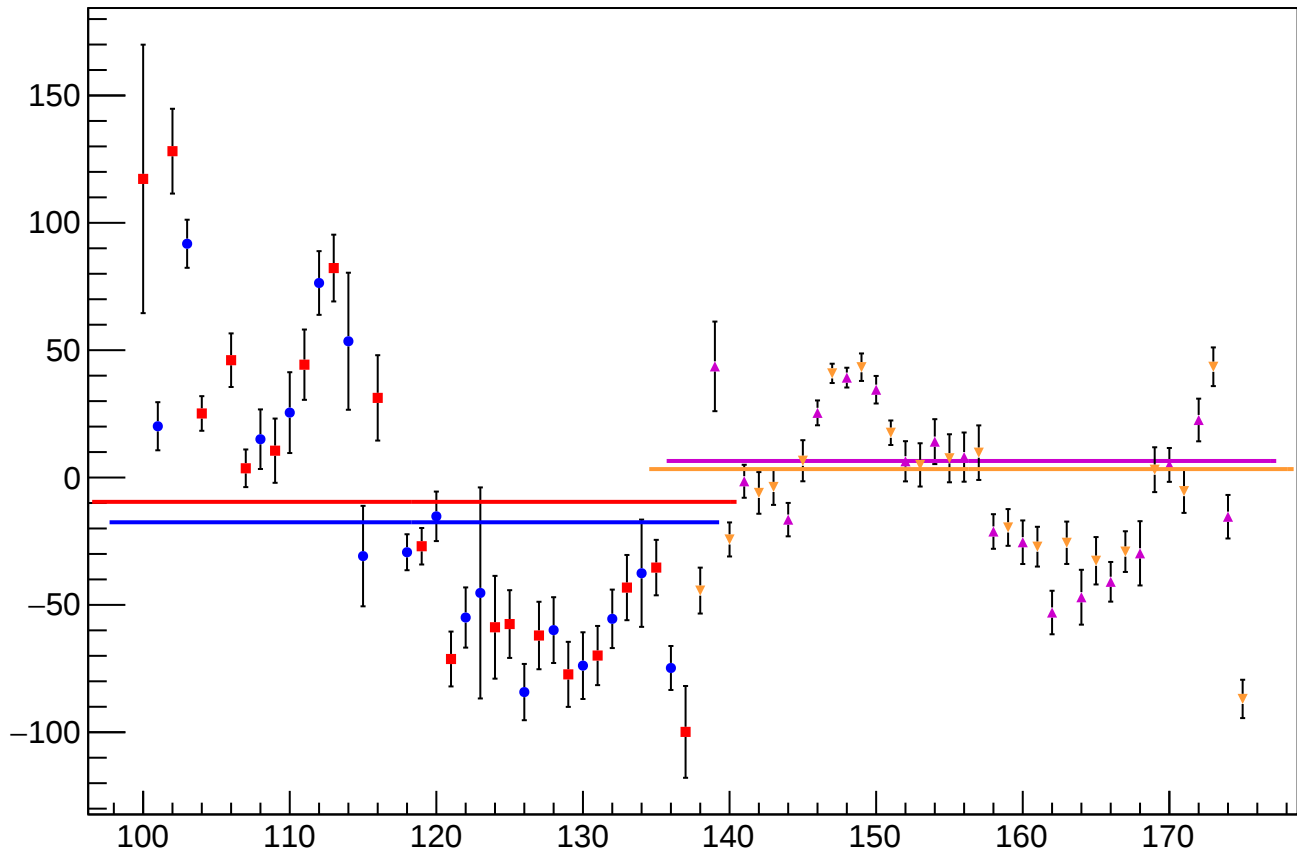
Left In: -440.606+/-2.357 χ^2/NDF :744.4/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -432.790+/-1.626 χ^2/NDF : 2144.4/37

- 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: 3.318 ± 1.571 χ^2/NDF : 451.9/19

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

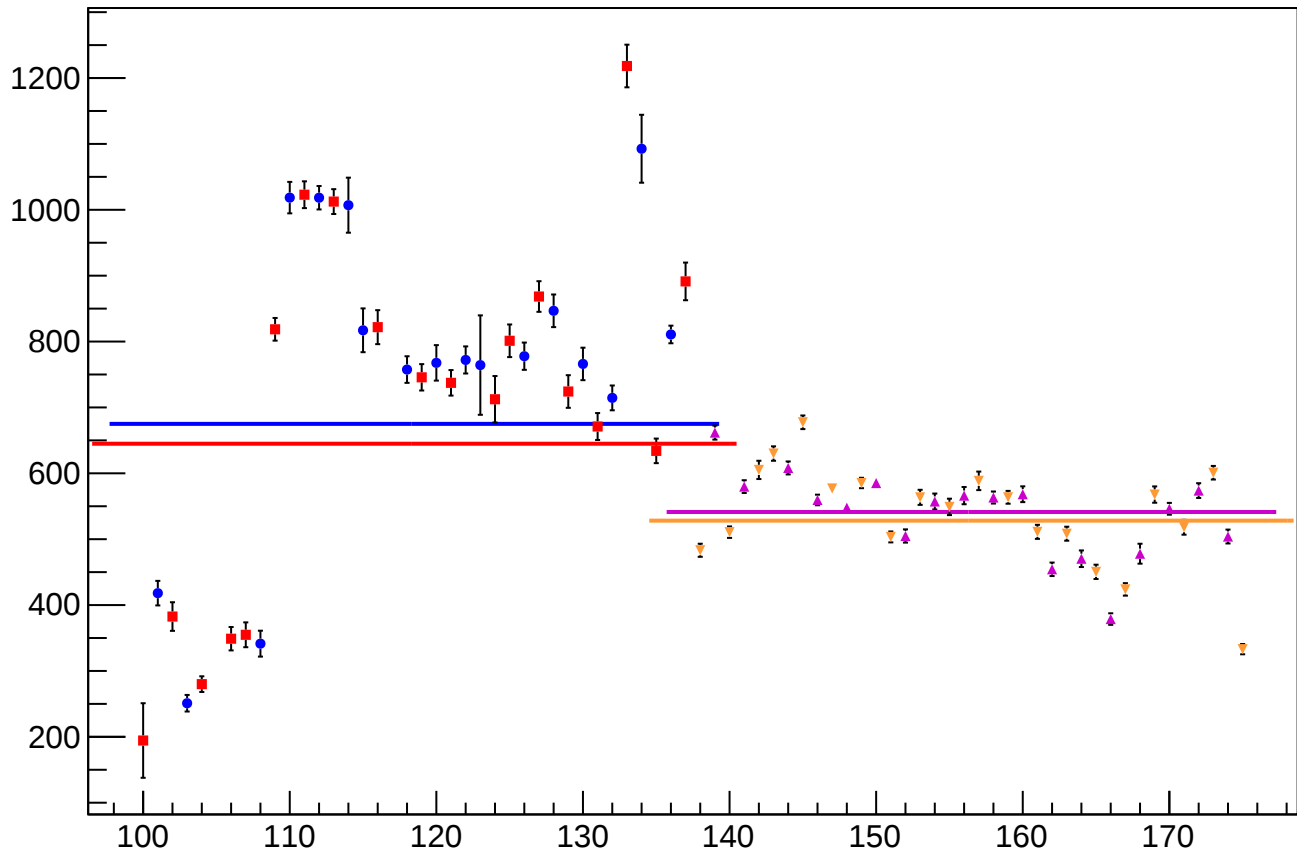
Left In: 6.502 ± 1.659 χ^2/NDF : 291.2/17

+ sign -1.629 ± 1.373 χ^2/NDF : 857.5/36

All: 0.092 ± 0.980 χ^2/NDF : 1549.1/73

- sign 1.881 ± 1.400 χ^2/NDF : 688.4/36

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 ± 5.067 $\chi^2/\text{NDF}: 2584.3/16$

Left Out: 528.172 ± 2.227 $\chi^2/\text{NDF}: 1360.8/19$

Right Out: 644.915 ± 4.761 $\chi^2/\text{NDF}: 3122.2/18$

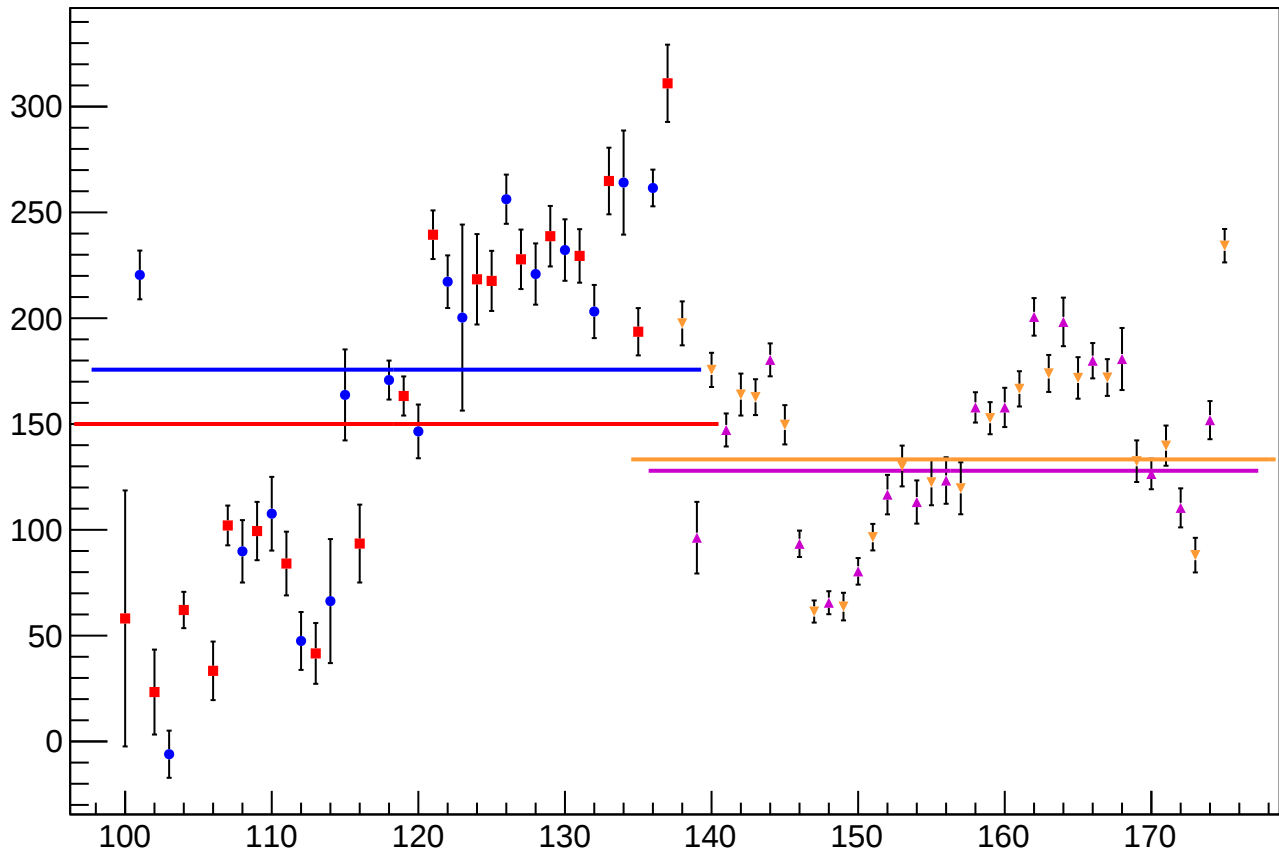
Left In: 541.293 ± 2.324 $\chi^2/\text{NDF}: 746.2/17$

+ sign 551.942 ± 2.039 $\chi^2/\text{NDF}: 4649.2/36$

All: 556.475 ± 1.459 $\chi^2/\text{NDF}: 8910.2/73$

- sign 561.233 ± 2.089 $\chi^2/\text{NDF}: 4250.9/36$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 133.291 $\pm$ 1.848 χ^2 /NDF: 703.9/19

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

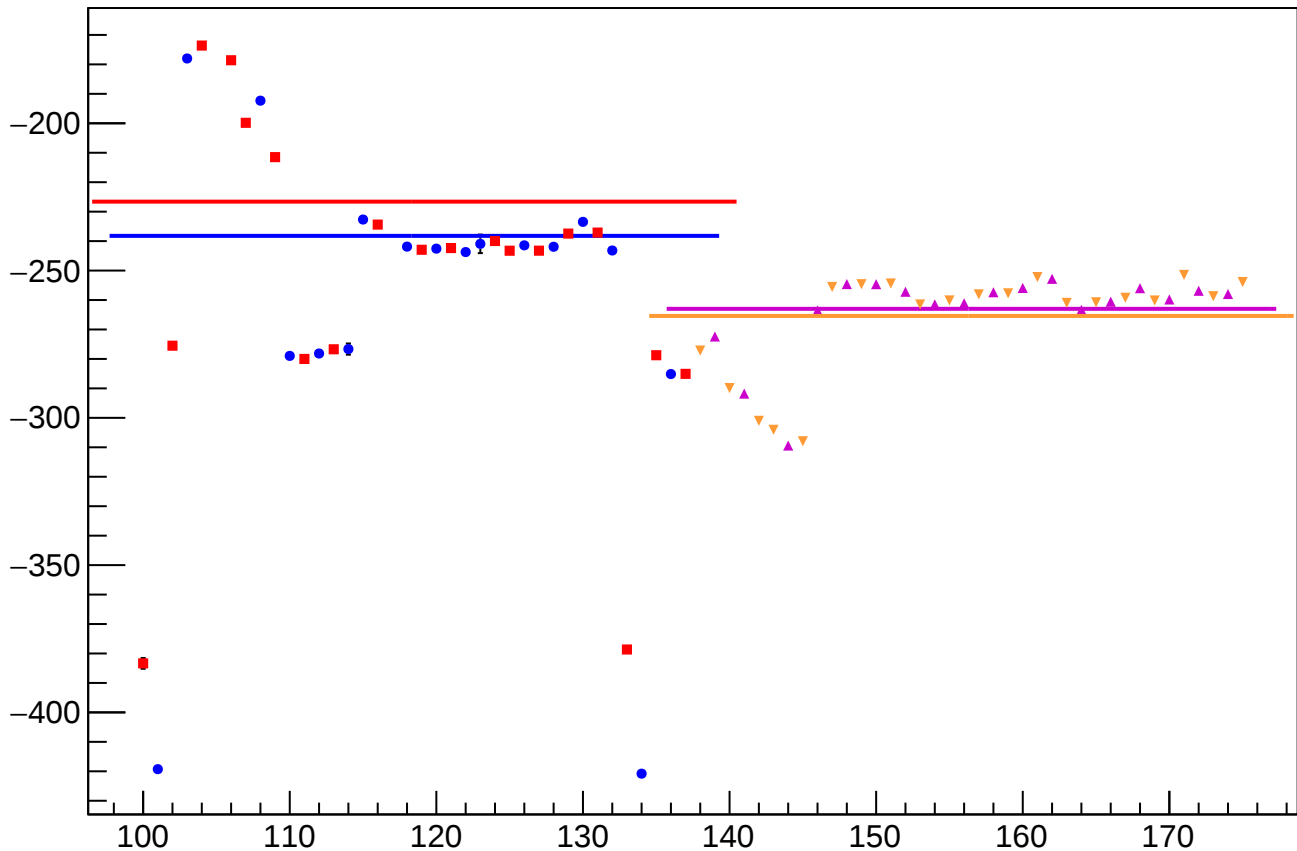
Left In: 127.908 $\pm$ 1.945 χ^2 /NDF: 473.3/17

+ sign 143.707 $\pm$ 1.605 χ^2 /NDF: 1471.1/36

All: 139.113 $\pm$ 1.147 χ^2 /NDF: 2692.4/73

- sign 134.324 $\pm$ 1.639 χ^2 /NDF: 1204.6/36

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 $\chi^2/\text{NDF}: 167120.0/16$

Left Out: -265.399 ± 0.090 $\chi^2/\text{NDF}: 35501.0/19$

Right Out: -226.597 ± 0.151 $\chi^2/\text{NDF}: 102562.3/18$

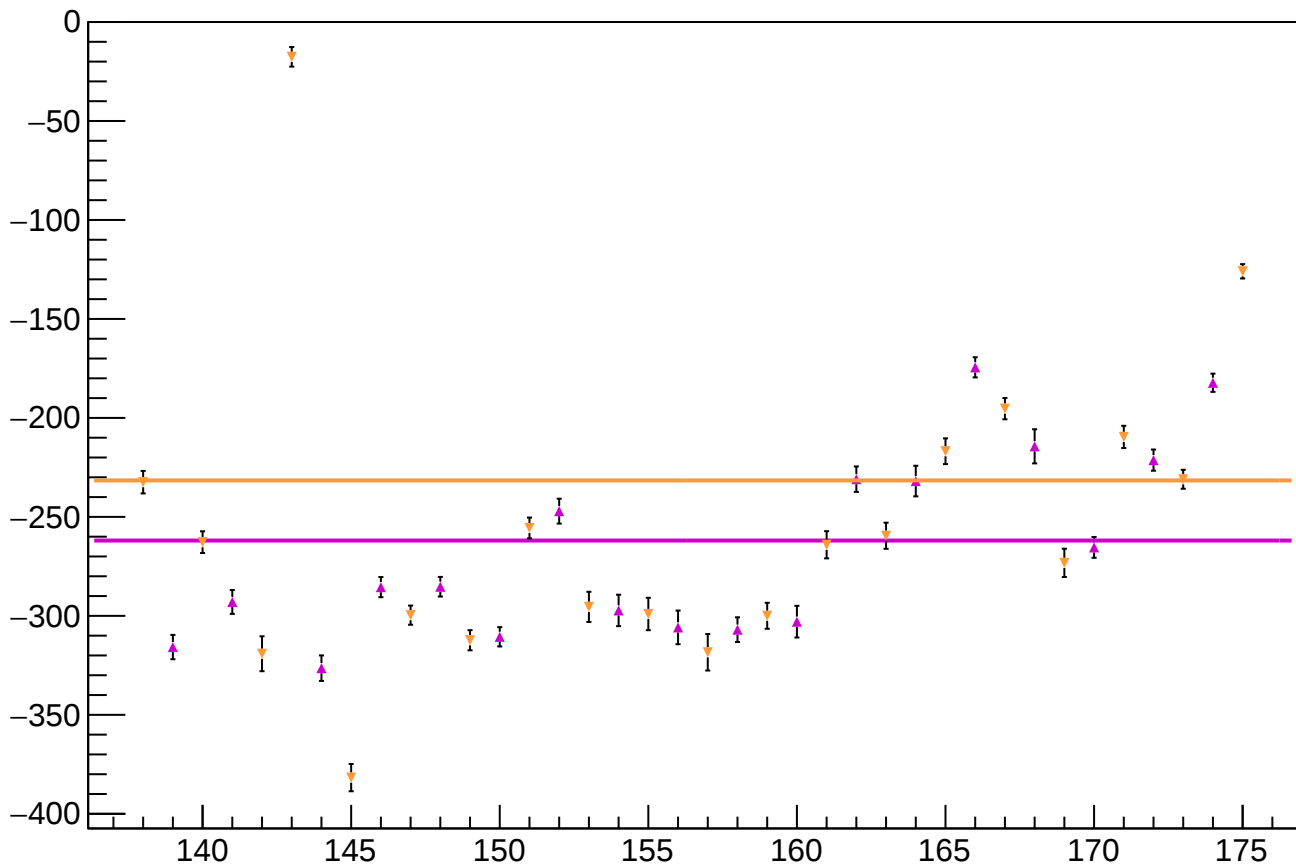
Left In: -262.991 ± 0.092 $\chi^2/\text{NDF}: 21173.6/17$

+ sign -258.935 ± 0.078 $\chi^2/\text{NDF}: 224494.3/36$

All: -256.082 ± 0.055 $\chi^2/\text{NDF}: 393261.7/73$

- sign -253.223 ± 0.078 $\chi^2/\text{NDF}: 166106.3/36$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -231.576+/-1.294 χ^2/NDF : 4274.0/19

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

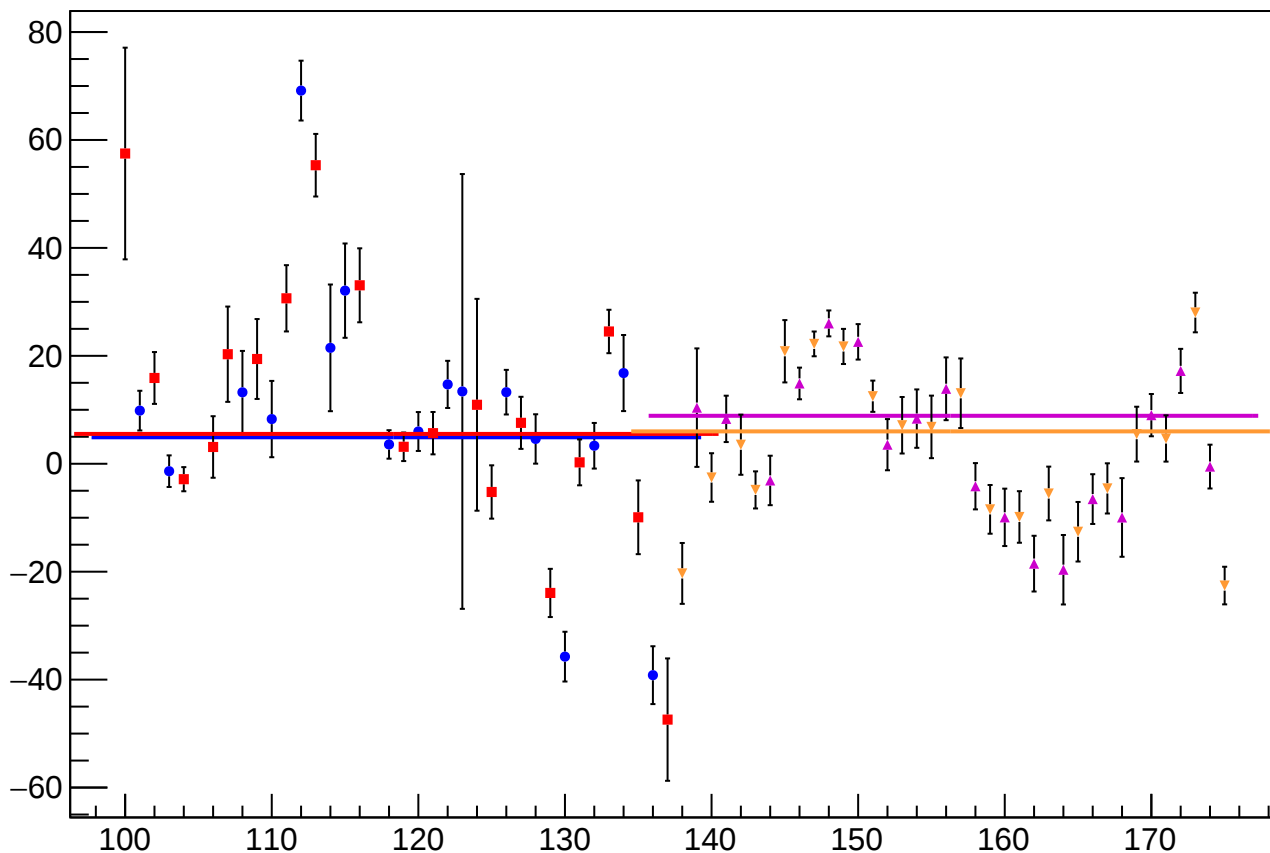
Left In: -261.947+/-1.404 χ^2/NDF : 1199.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -245.522+/-0.952 χ^2/NDF : 5726.0/37

- 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: 6.000 ± 0.919 χ^2/NDF : 268.2/19

Right Out: 5.530 ± 1.069 χ^2/NDF : 238.9/18

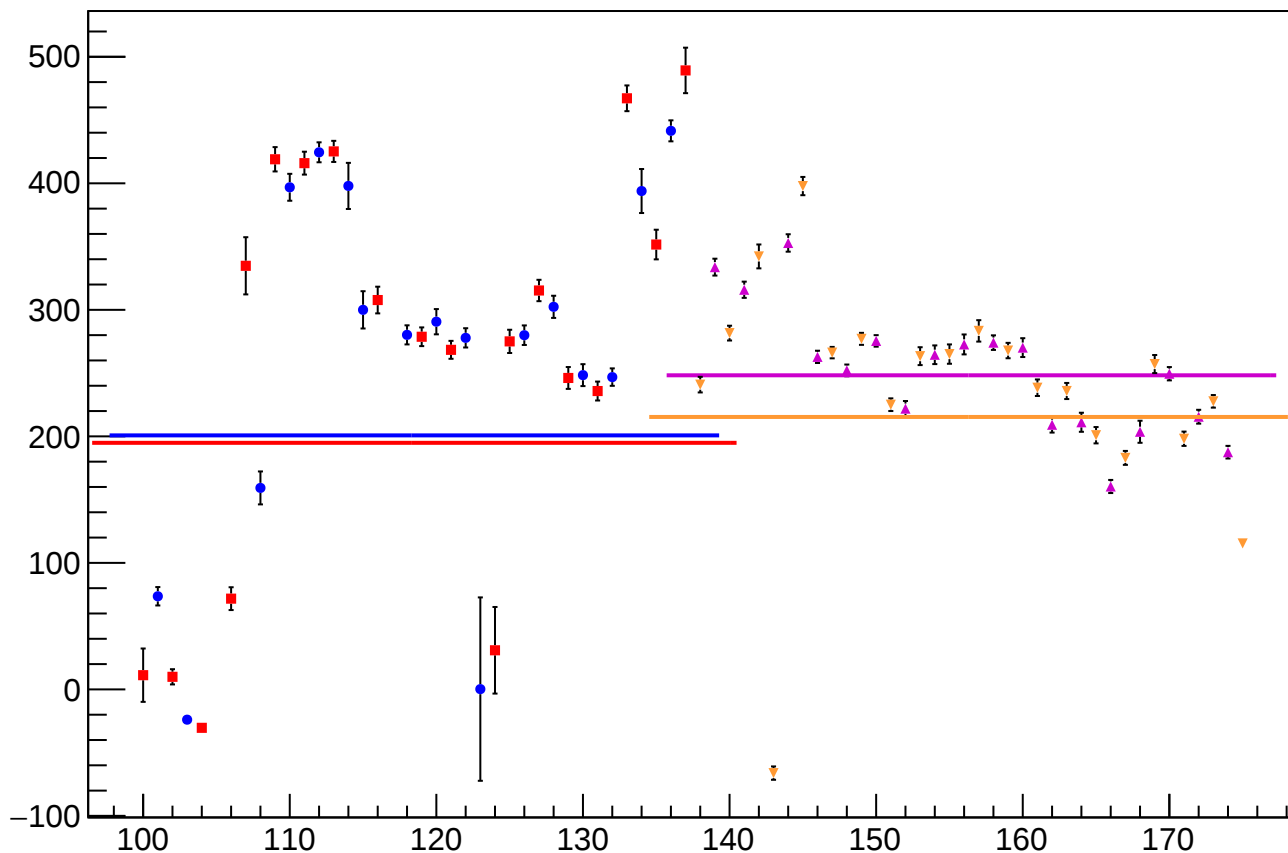
Left In: 8.889 ± 0.998 χ^2/NDF : 178.3/17

+ sign 5.552 ± 0.707 χ^2/NDF : 580.4/36

All: 6.410 ± 0.508 χ^2/NDF : 1006.0/73

- sign 7.324 ± 0.729 χ^2/NDF : 422.5/36

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 215.336 $\pm$ 1.285 χ^2 /NDF: 5209.1/19

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

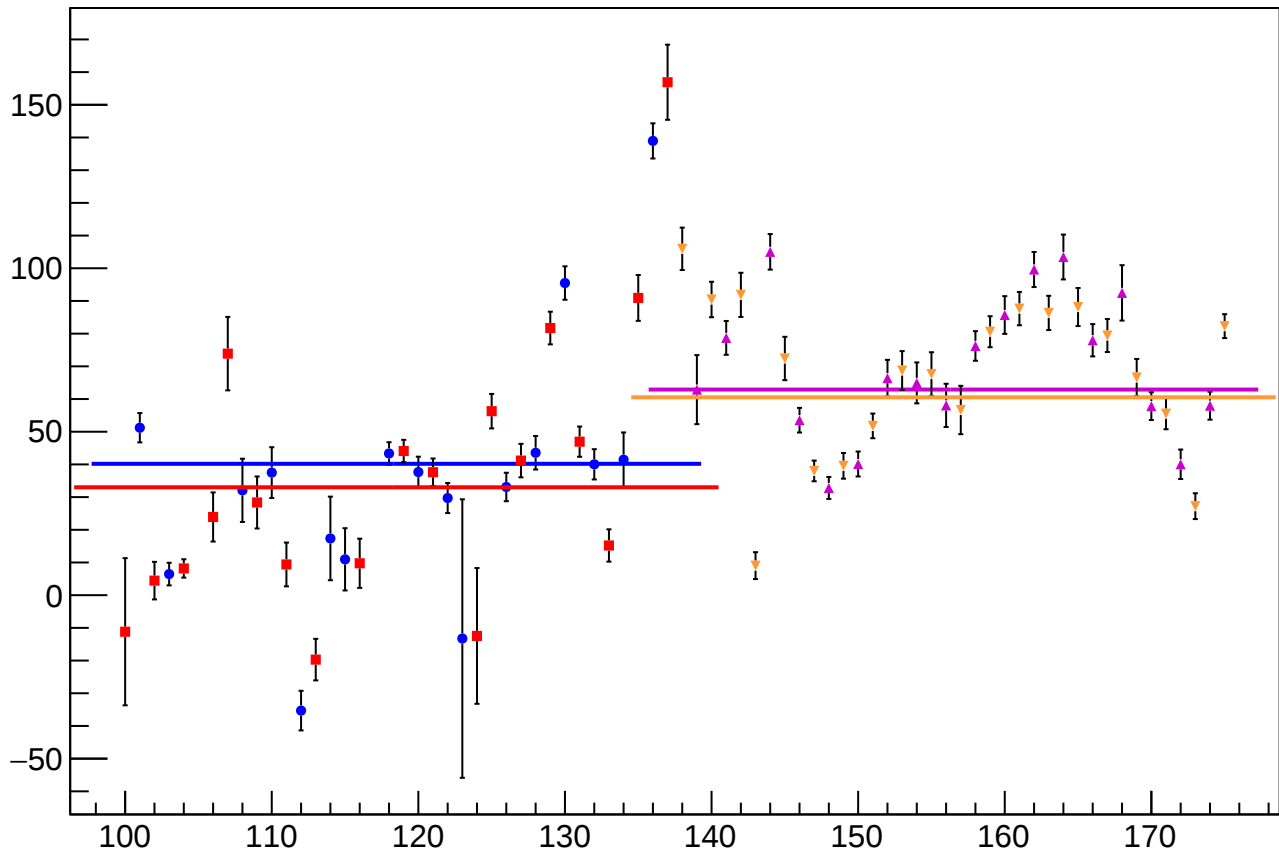
Left In: 248.260 $\pm$ 1.389 χ^2 /NDF: 1175.6/17

+ sign 211.029 $\pm$ 1.078 χ^2 /NDF: 11980.0/36

All: 220.098 $\pm$ 0.779 χ^2 /NDF: 22056.5/73

- sign 229.981 $\pm$ 1.126 χ^2 /NDF: 9928.7/36

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 χ^2/NDF : 734.6/16

Left Out: 60.528 ± 1.074 χ^2/NDF : 564.8/19

Right Out: 33.006 ± 1.250 χ^2/NDF : 552.7/18

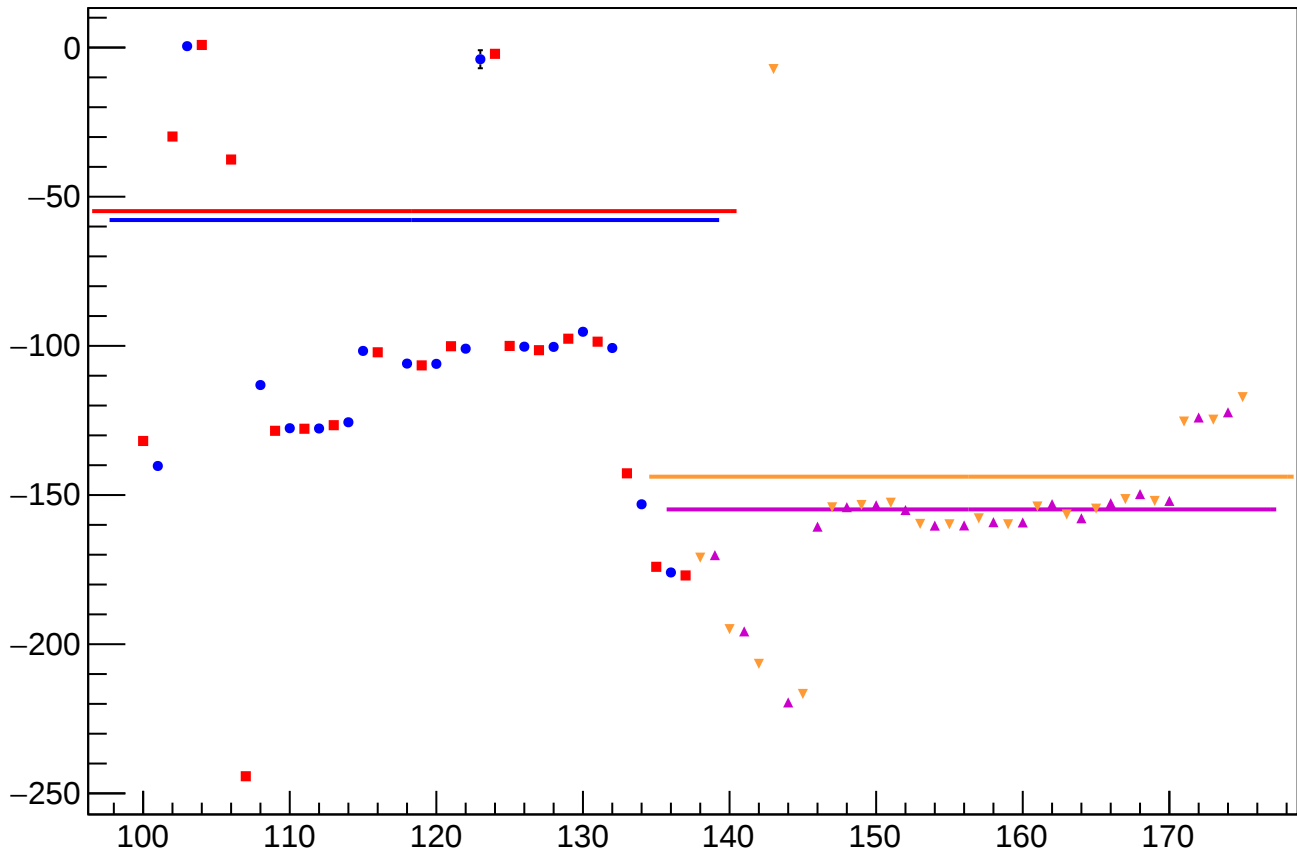
Left In: 62.899 ± 1.165 χ^2/NDF : 348.6/17

+ sign 52.152 ± 0.823 χ^2/NDF : 1447.2/36

All: 50.636 ± 0.592 χ^2/NDF : 2661.6/73

- sign 49.012 ± 0.852 χ^2/NDF : 1207.3/36

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821+/-0.062 χ^2/NDF : 1101296.2/16

Left Out: -143.840+/-0.052 χ^2/NDF : 635140.0/19

Right Out: -54.833+/-0.060 χ^2/NDF : 1000741.7/18

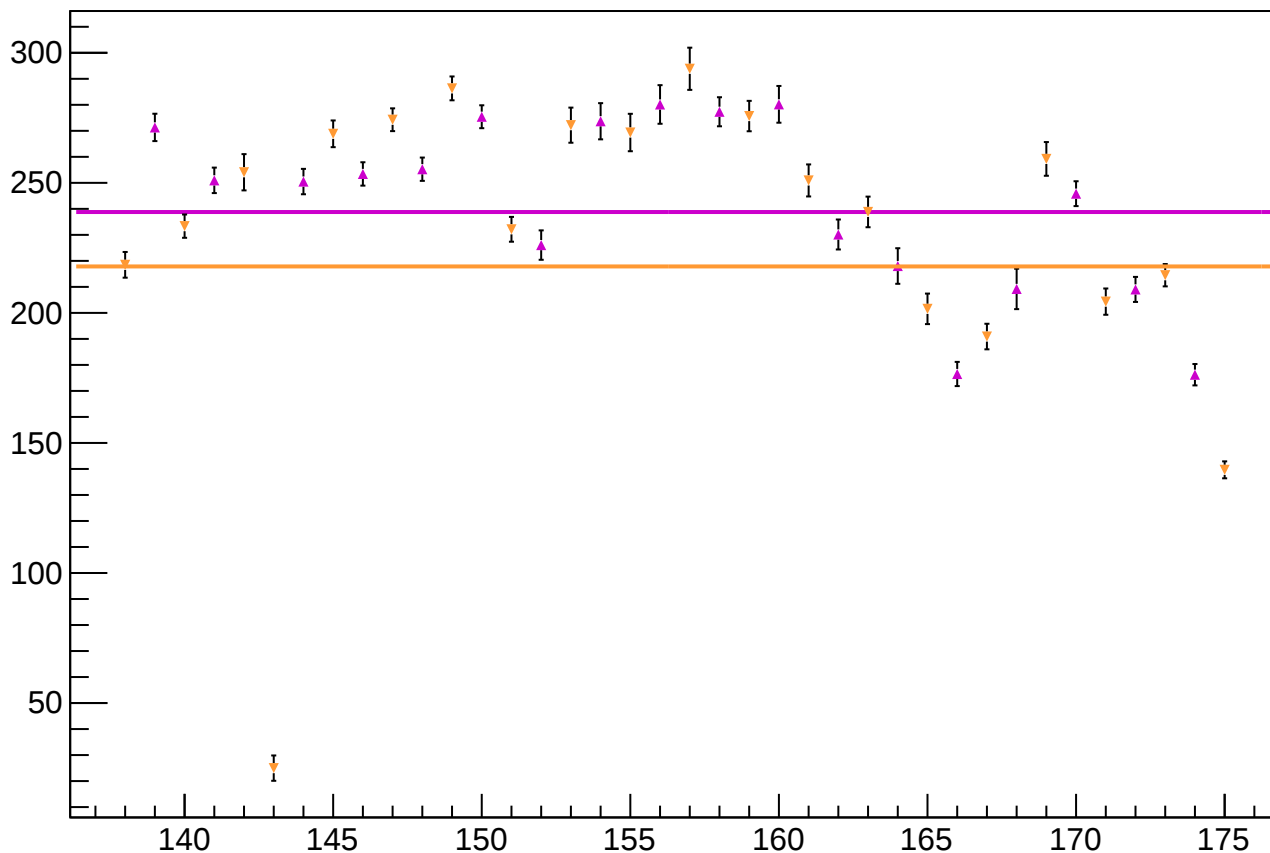
Left In: -154.817+/-0.054 χ^2/NDF : 135612.1/17

+ sign -108.294+/-0.040 χ^2/NDF : 2873636.0/36

All: -109.089+/-0.028 χ^2/NDF : 5528725.8/73

- sign -109.911+/-0.040 χ^2/NDF : 2654273.9/36

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 217.861+/-1.149 χ^2/NDF : 3109.3/19

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

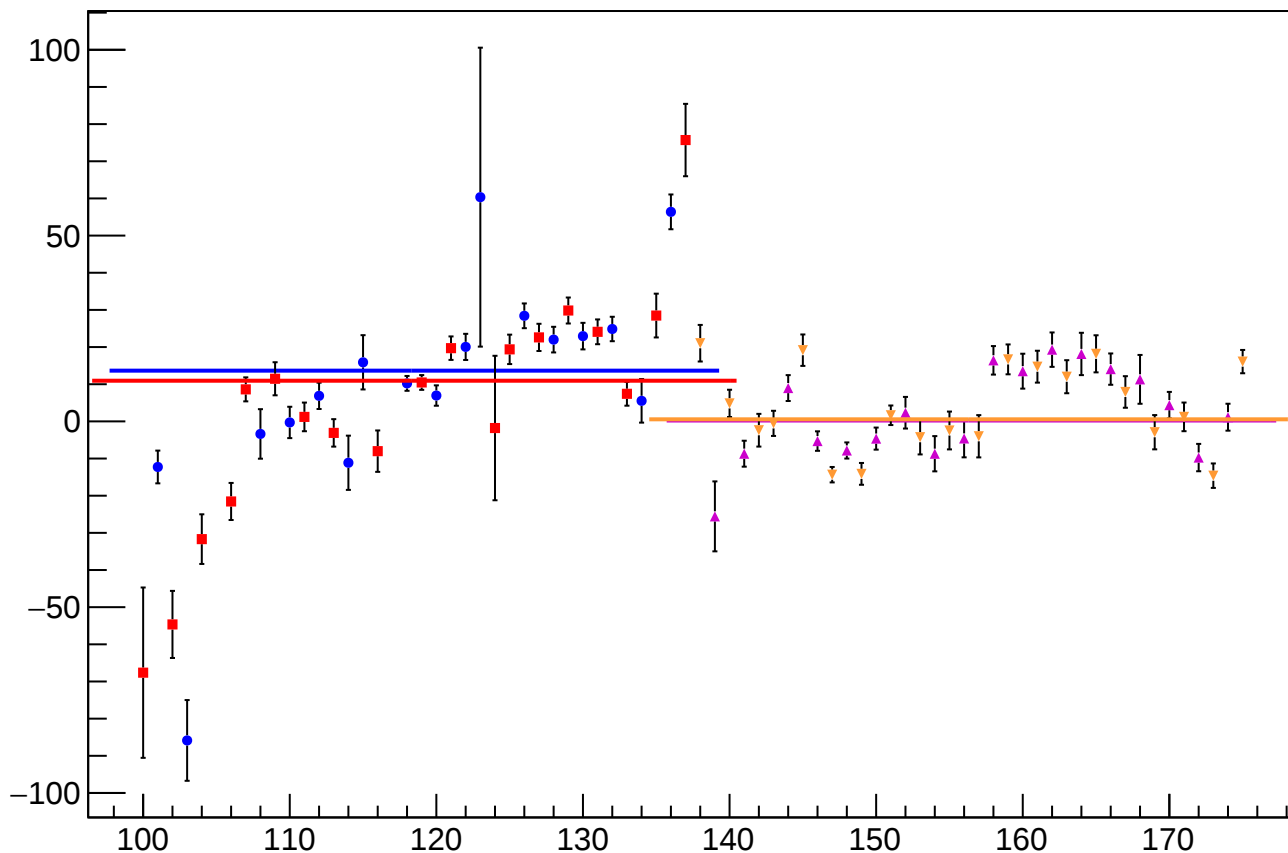
Left In: 238.783+/-1.237 χ^2/NDF : 764.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 227.547+/-0.842 χ^2/NDF : 4027.0/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 ± 0.936 χ^2/NDF : 294.0/16

Left Out: 0.555 ± 0.819 χ^2/NDF : 212.8/19

Right Out: 10.944 ± 0.913 χ^2/NDF : 302.5/18

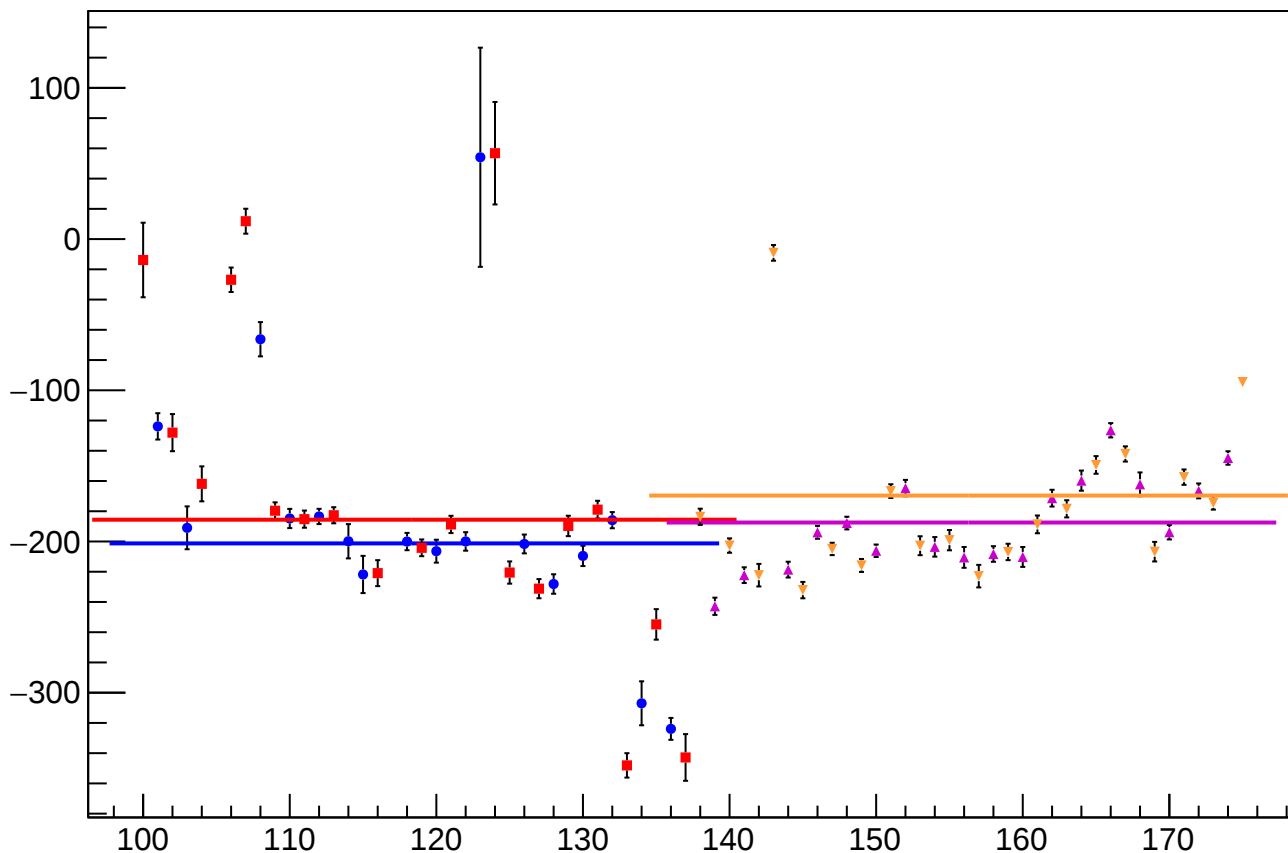
Left In: 0.232 ± 0.882 χ^2/NDF : 121.0/17

+ sign 6.236 ± 0.617 χ^2/NDF : 617.6/36

All: 5.832 ± 0.442 χ^2/NDF : 1113.2/73

- sign 5.404 ± 0.635 χ^2/NDF : 494.7/36

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -169.627 ± 1.143 χ^2/NDF : 2154.5/19

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

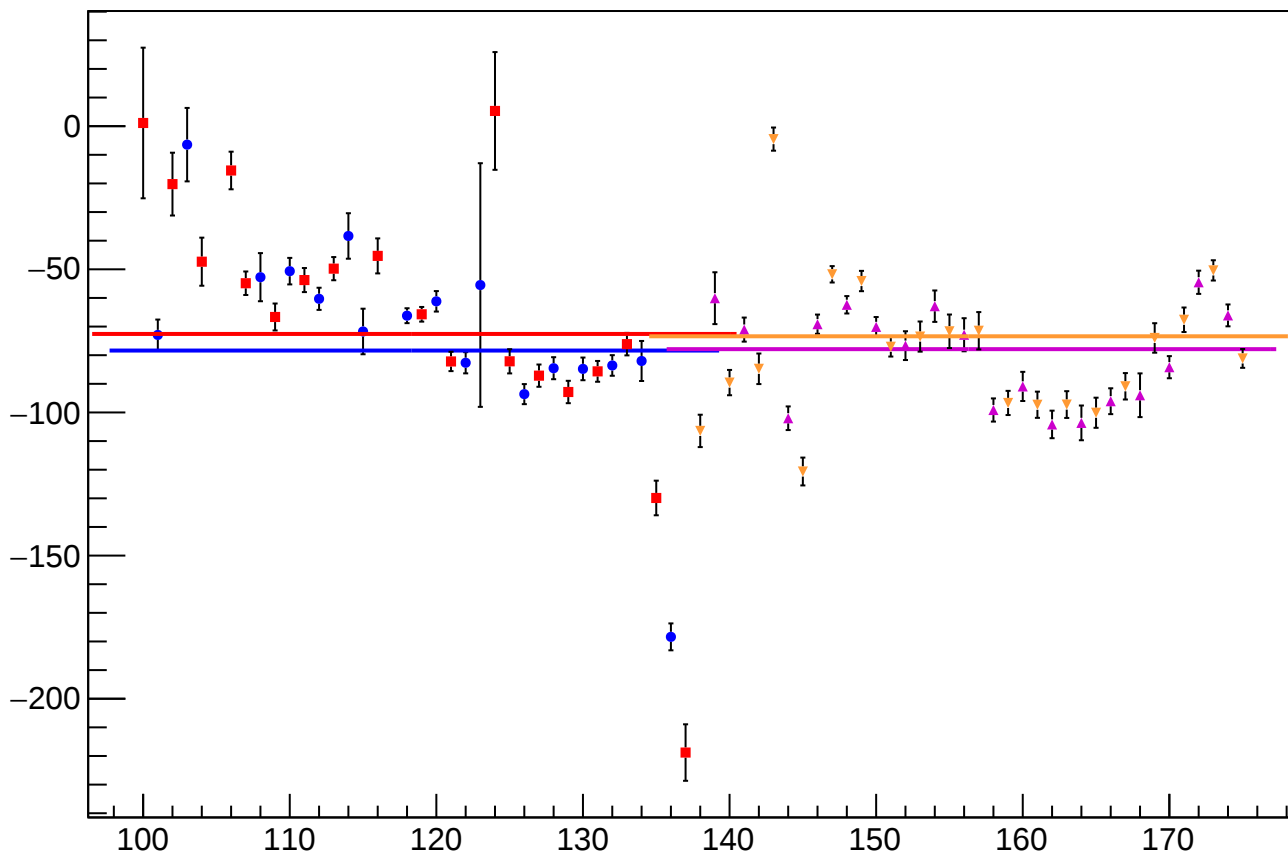
Left In: -187.461 ± 1.226 χ^2/NDF : 574.4/17

+ sign -178.748 ± 0.964 χ^2/NDF : 2999.0/36

All: -182.660 ± 0.692 χ^2/NDF : 5354.2/73

- sign -186.821 ± 0.994 χ^2/NDF : 2321.3/36

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 $\pm$ 1.081 χ^2/NDF : 651.4/16

Left Out: -73.395 $\pm$ 0.956 χ^2/NDF :697.8/19

Right Out: -72.577 $\pm$ 1.052 χ^2/NDF : 605.8/18

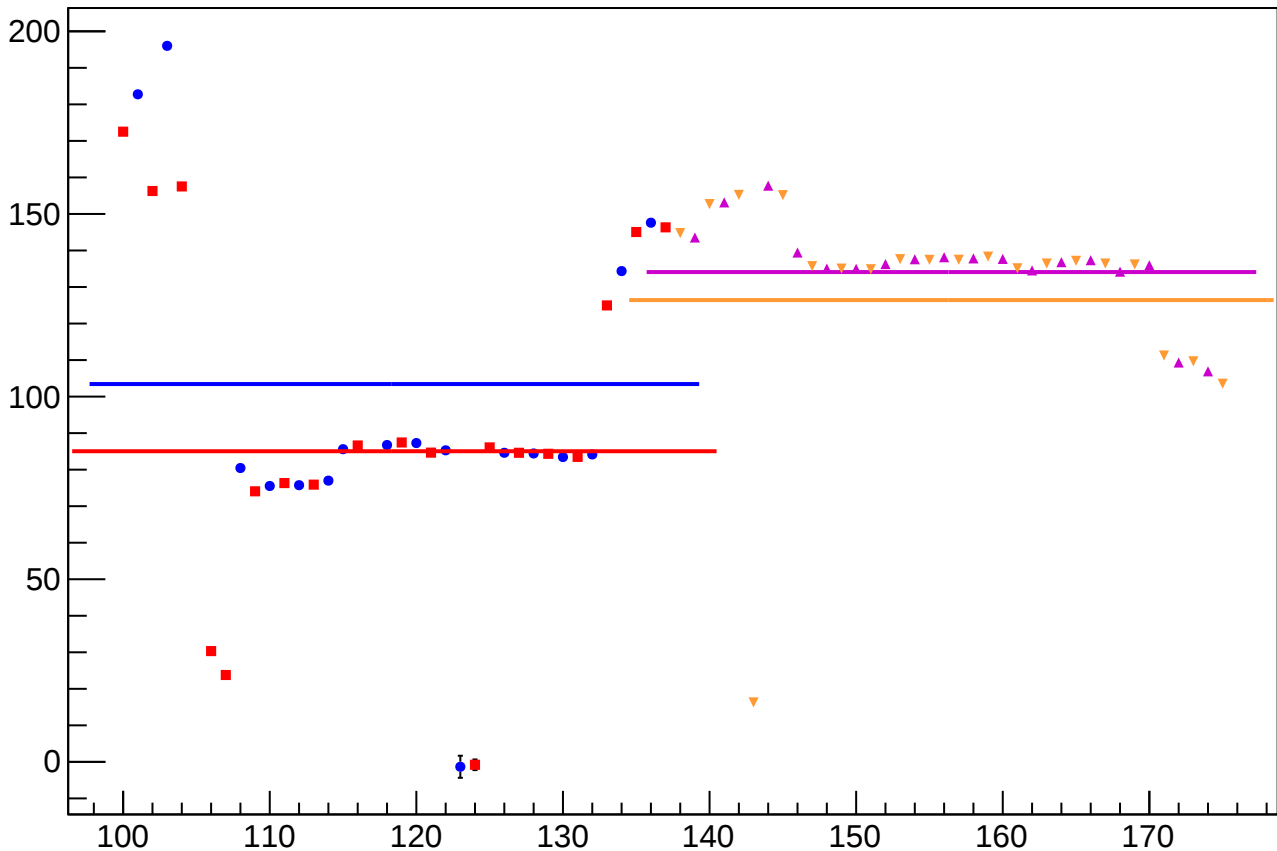
Left In: -77.889 $\pm$ 1.029 χ^2/NDF :234.9/17

+ sign -75.581 $\pm$ 0.716 χ^2/NDF : 1361.1/36

All: -75.440 $\pm$ 0.513 χ^2/NDF : 2215.0/73

- sign -75.290 $\pm$ 0.736 χ^2/NDF : 853.8/36

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 126.422 $\pm$ 0.046 χ^2 /NDF: 396290.9/19

Right Out: 85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

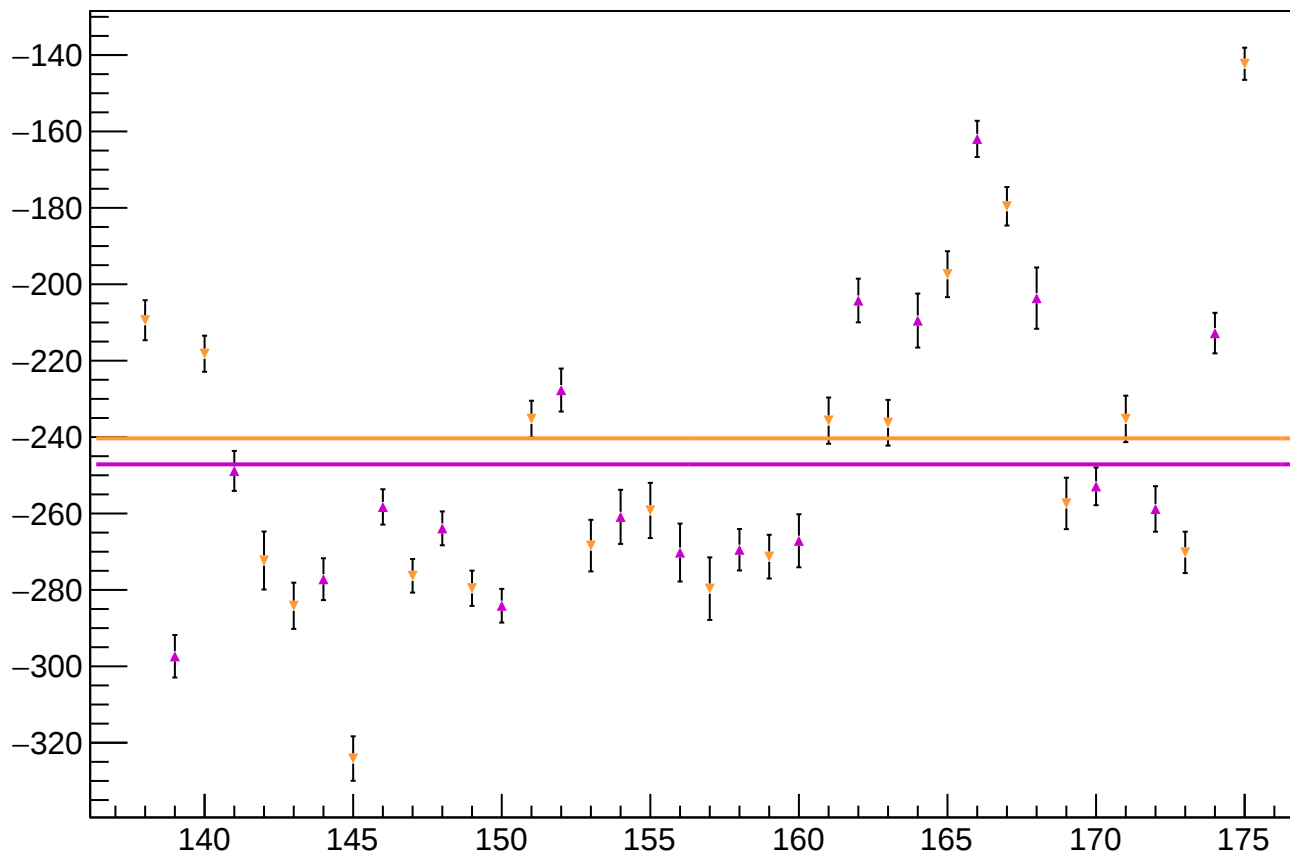
Left In: 134.095 $\pm$ 0.048 χ^2 /NDF: 72148.1/17

+ sign 119.597 $\pm$ 0.039 χ^2 /NDF: 743021.8/36

All: 117.948 $\pm$ 0.027 χ^2 /NDF: 1618755.4/73

- sign 116.320 $\pm$ 0.038 χ^2 /NDF: 872108.8/36

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -240.329+/-1.243 χ^2/NDF :1328.0/19

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

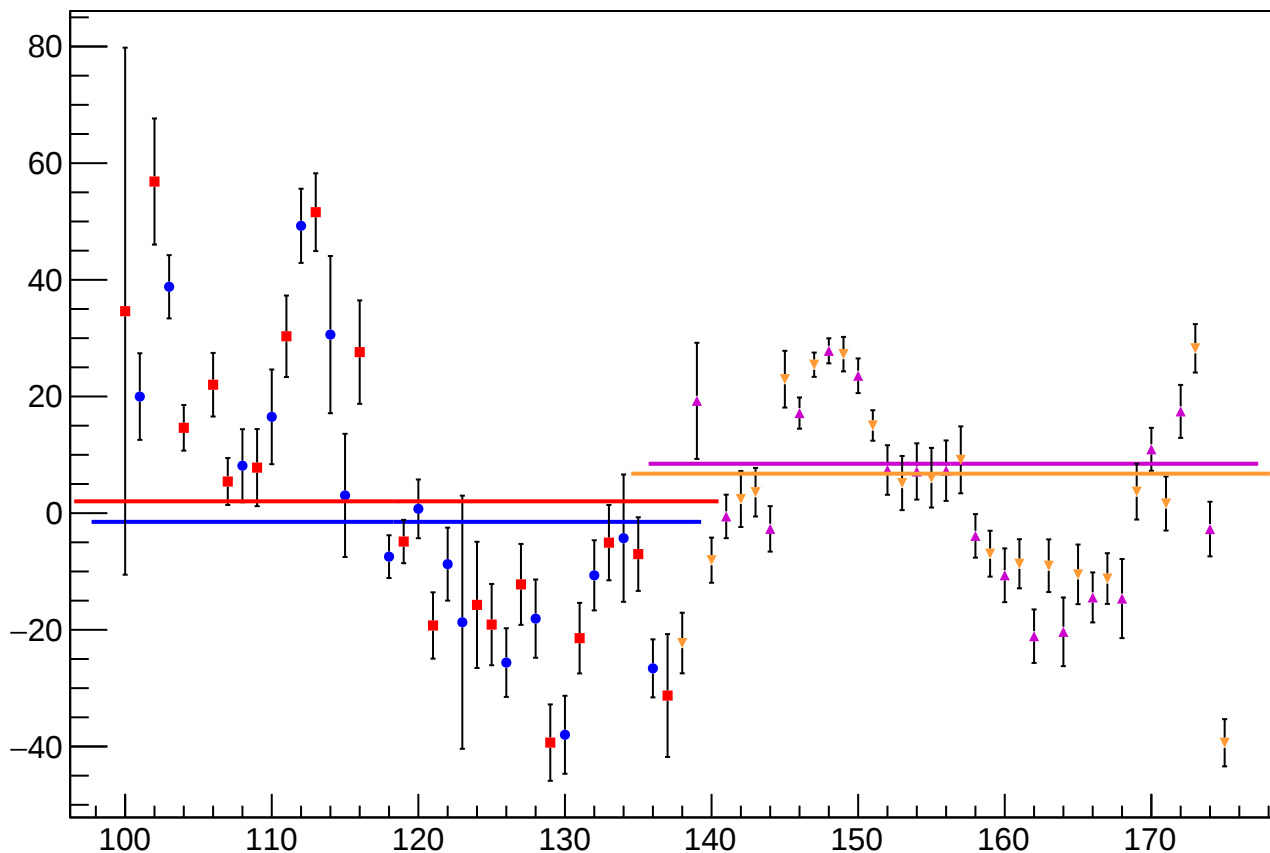
Left In: -247.136+/-1.302 χ^2/NDF :737.6/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -243.577+/-0.899 χ^2/NDF : 2080.0/37

- 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 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 6.772 ± 0.869 $\chi^2/\text{NDF}: 421.8/19$

Right Out: 2.028 ± 1.400 $\chi^2/\text{NDF}: 233.3/18$

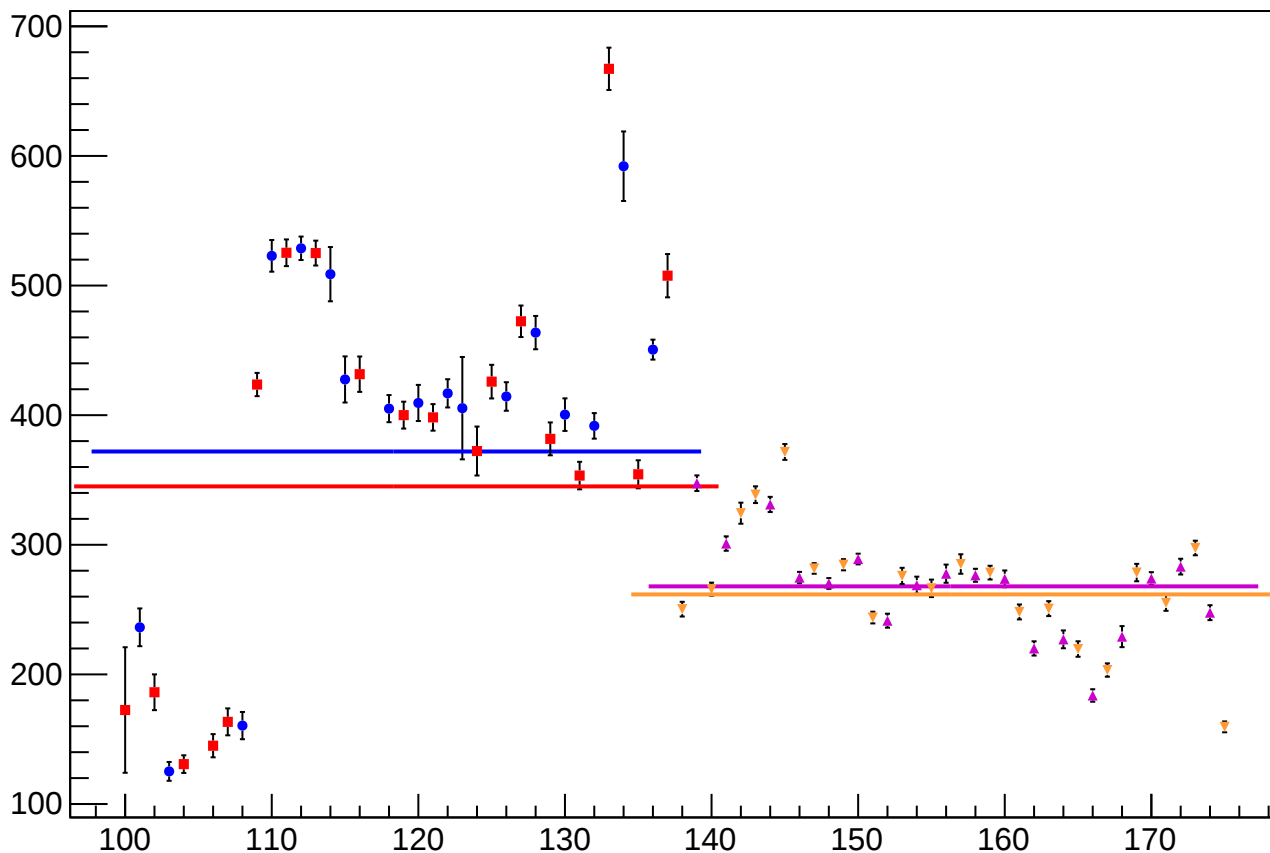
Left In: 8.472 ± 0.916 $\chi^2/\text{NDF}: 276.7/17$

+ sign 4.769 ± 0.756 $\chi^2/\text{NDF}: 669.6/36$

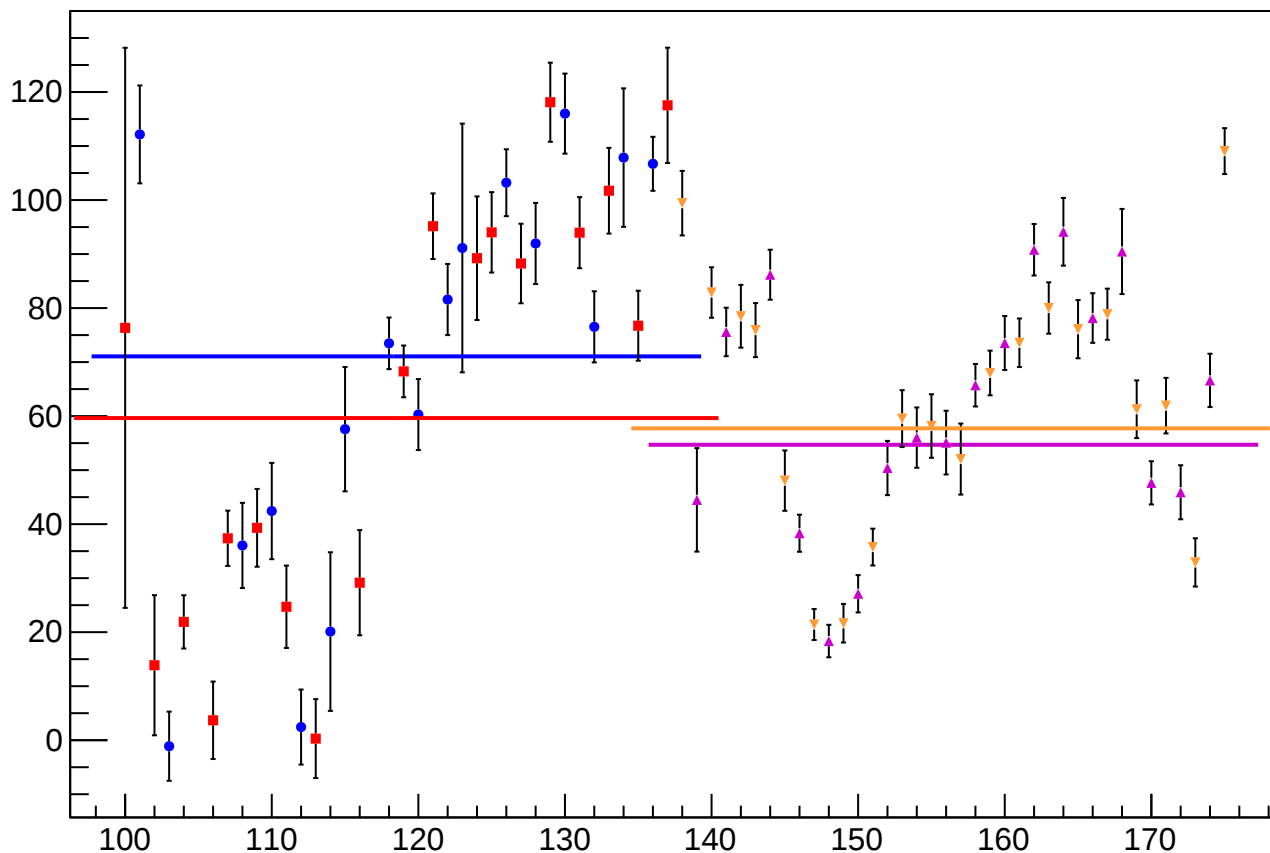
All: 5.642 ± 0.538 $\chi^2/\text{NDF}: 1197.1/73$

- sign 6.539 ± 0.766 $\chi^2/\text{NDF}: 524.8/36$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 57.730 $\pm$ 1.021 χ^2 /NDF: 661.0/19

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

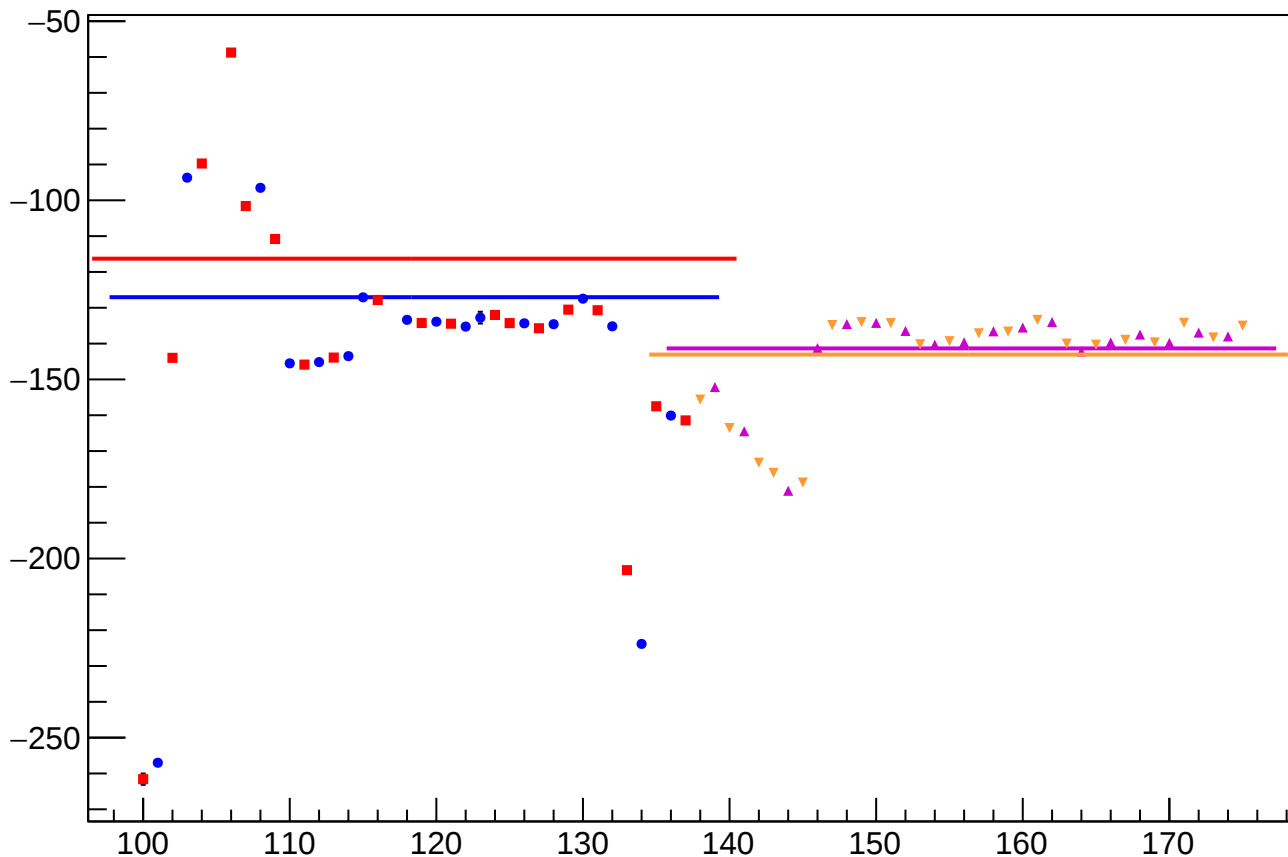
Left In: 54.692 $\pm$ 1.073 χ^2 /NDF: 480.4/17

+ sign 61.074 $\pm$ 0.884 χ^2 /NDF: 1130.0/36

All: 58.665 $\pm$ 0.629 χ^2 /NDF: 2123.5/73

- sign 56.186 $\pm$ 0.896 χ^2 /NDF: 978.4/36

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 $\pm$ 0.090 χ^2 /NDF: 167014.4/16

Left Out: -143.058 $\pm$ 0.049 χ^2 /NDF: 73367.2/19

Right Out: -116.295 $\pm$ 0.083 χ^2 /NDF: 167109.1/18

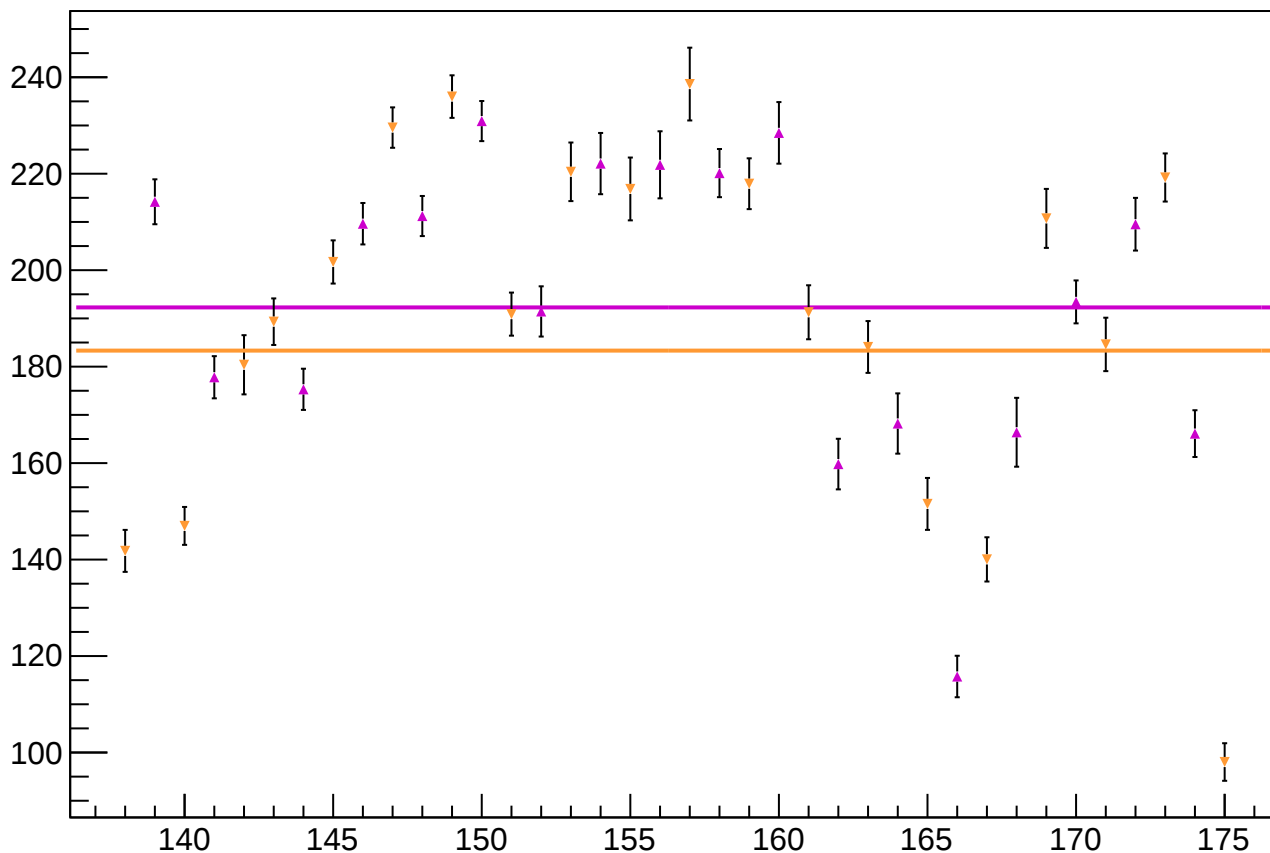
Left In: -141.347 $\pm$ 0.050 χ^2 /NDF: 44336.9/17

+ sign -139.332 $\pm$ 0.043 χ^2 /NDF: 264779.6/36

All: -136.949 $\pm$ 0.031 χ^2 /NDF: 548801.9/73

- sign -134.588 $\pm$ 0.043 χ^2 /NDF: 277993.5/36

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 183.326 $\pm$ 1.109 χ^2/NDF :1300.3/19

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

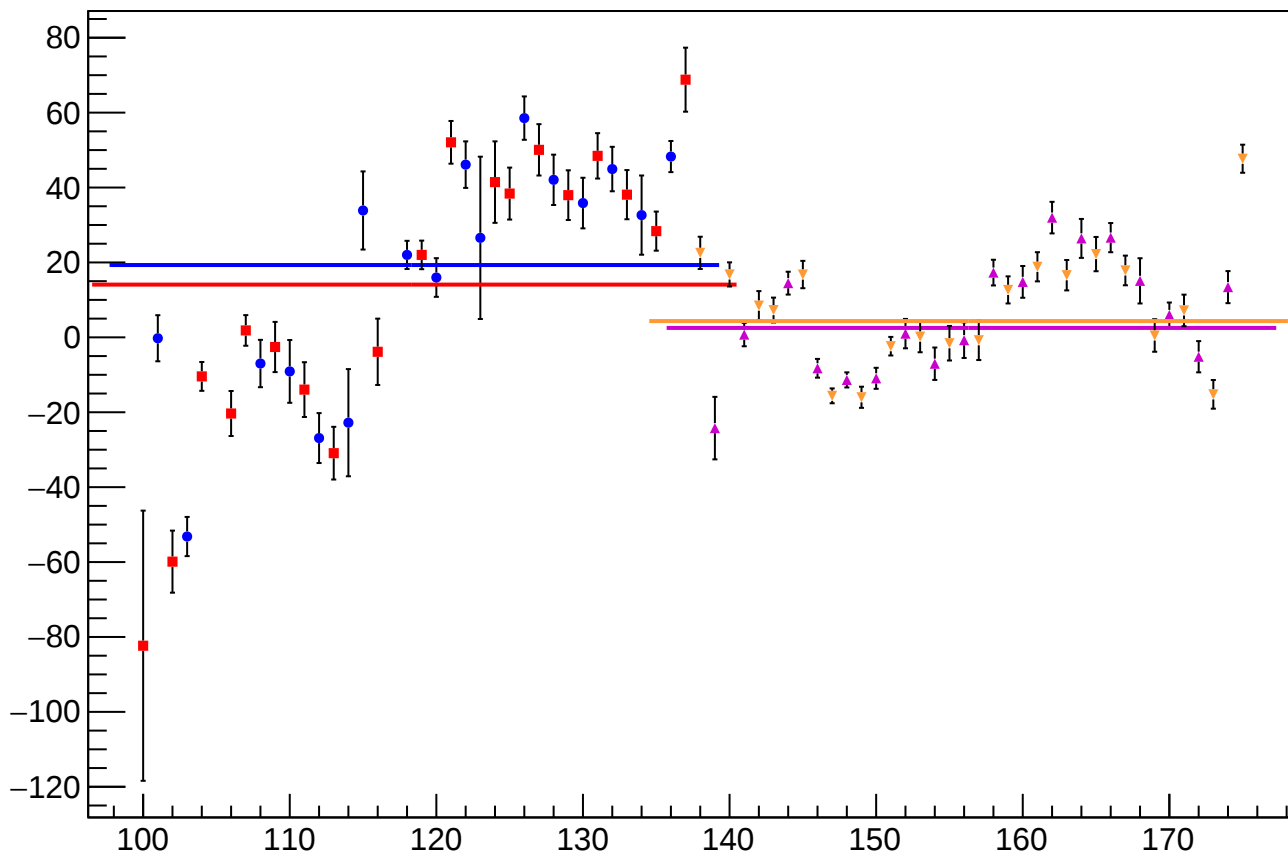
Left In: 192.279 $\pm$ 1.169 χ^2/NDF :697.6/17

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

All: 187.567 $\pm$ 0.804 χ^2/NDF : 2028.8/37

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

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 4.348 ± 0.784 χ^2/NDF : 426.6/19

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

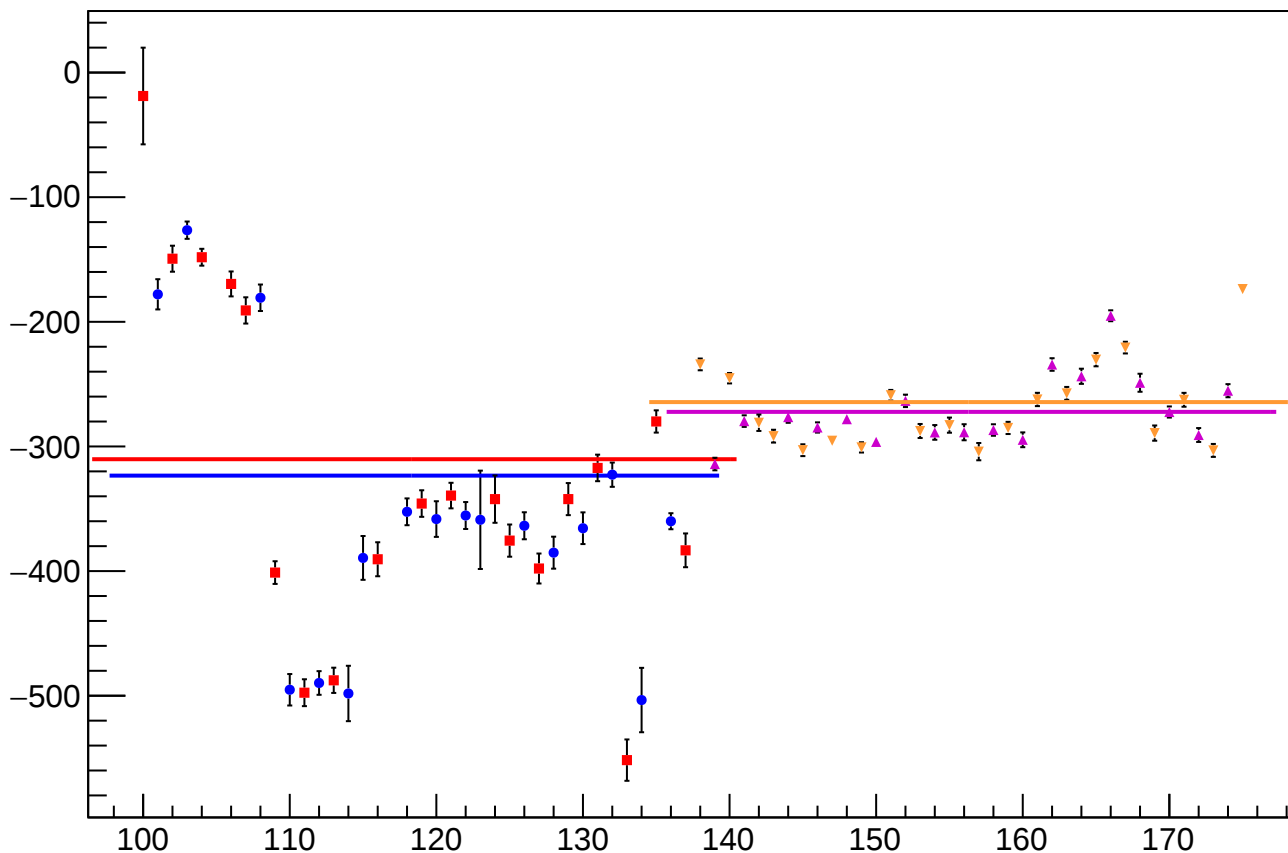
Left In: 2.517 ± 0.830 χ^2/NDF : 270.9/17

+ sign 7.555 ± 0.695 χ^2/NDF : 946.0/36

All: 6.583 ± 0.498 χ^2/NDF : 1708.8/73

- sign 5.560 ± 0.713 χ^2/NDF : 758.8/36

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -264.400 ± 1.103 $\chi^2/\text{NDF}: 1127.4/19$

Right Out: -310.236 ± 2.523 $\chi^2/\text{NDF}: 2298.8/18$

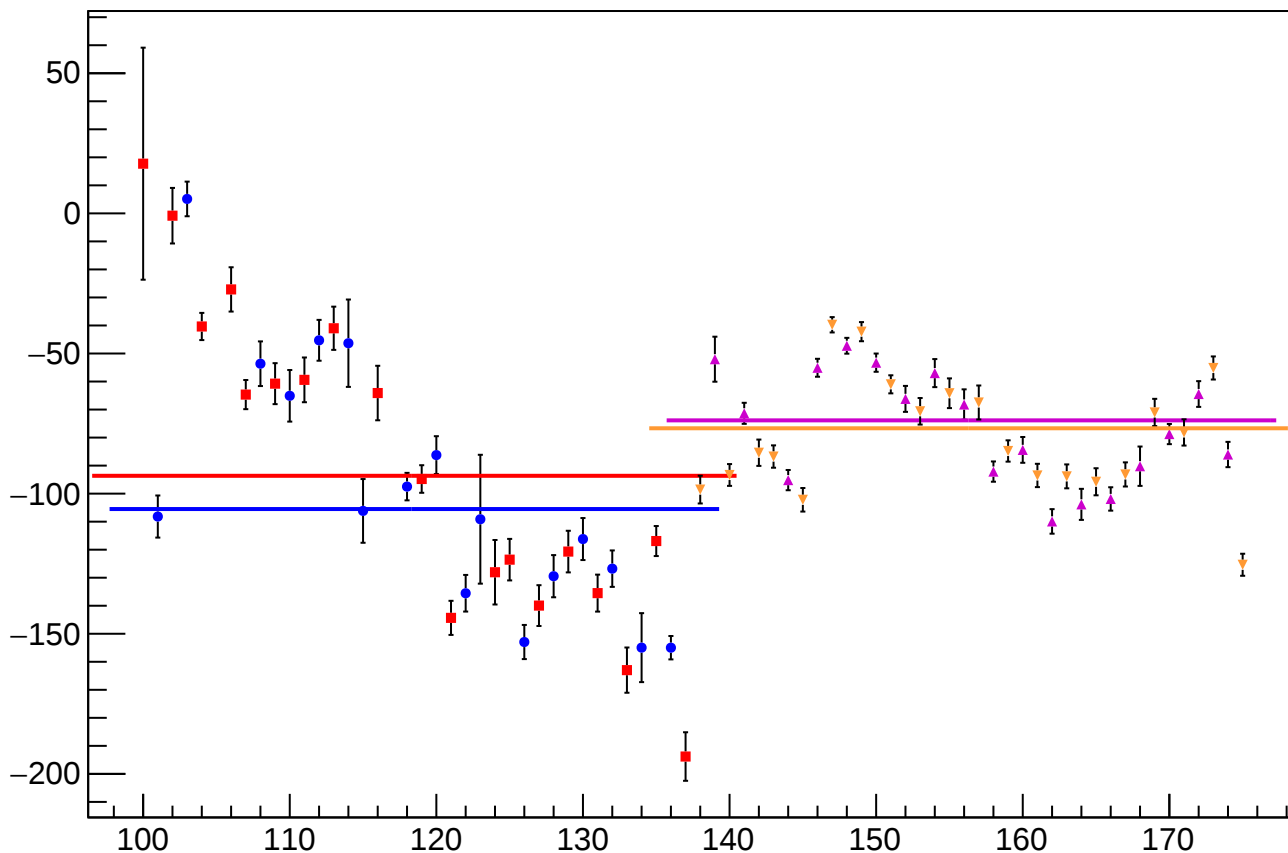
Left In: -272.256 ± 1.155 $\chi^2/\text{NDF}: 584.2/17$

+ sign -272.919 ± 1.020 $\chi^2/\text{NDF}: 3390.5/36$

All: -275.791 ± 0.732 $\chi^2/\text{NDF}: 6477.1/73$

- sign -278.838 ± 1.050 $\chi^2/\text{NDF}: 3070.3/36$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -76.681 ± 0.919 χ^2/NDF : 651.2/19

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

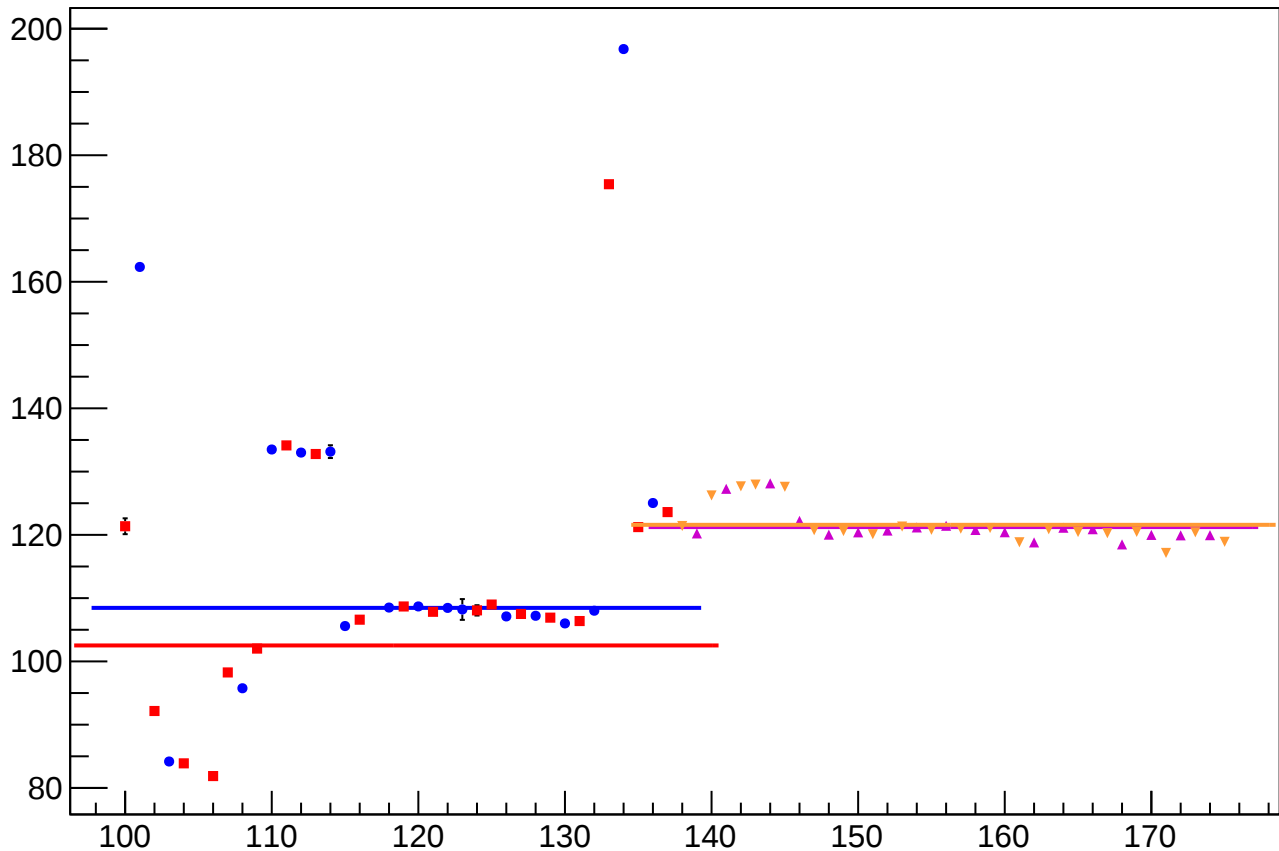
Left In: -73.855 ± 0.971 χ^2/NDF : 412.9/17

+ sign -83.123 ± 0.810 χ^2/NDF : 1608.5/36

All: -81.180 ± 0.580 χ^2/NDF : 2971.1/73

- sign -79.129 ± 0.831 χ^2/NDF : 1350.7/36

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 ± 0.085 $\chi^2/\text{NDF}: 73301.9/16$

Left Out: 121.586 ± 0.044 $\chi^2/\text{NDF}: 4351.9/19$

Right Out: 102.521 ± 0.080 $\chi^2/\text{NDF}: 52992.1/18$

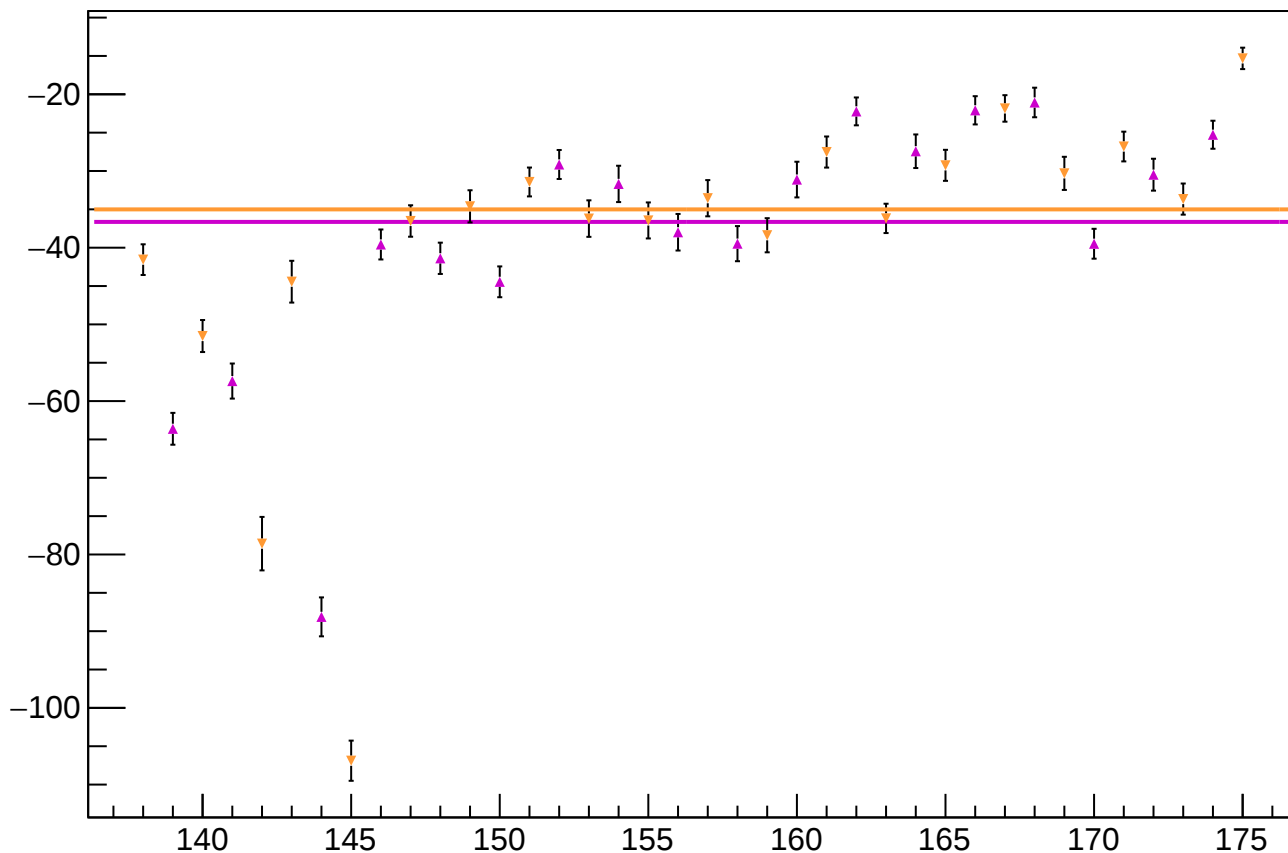
Left In: 121.231 ± 0.045 $\chi^2/\text{NDF}: 2796.1/17$

+ sign 118.787 ± 0.039 $\chi^2/\text{NDF}: 96416.5/36$

All: 117.712 ± 0.028 $\chi^2/\text{NDF}: 195413.4/73$

- sign 116.626 ± 0.039 $\chi^2/\text{NDF}: 97489.2/36$

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -35.006 ± 0.463 χ^2/NDF : 1304.1/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

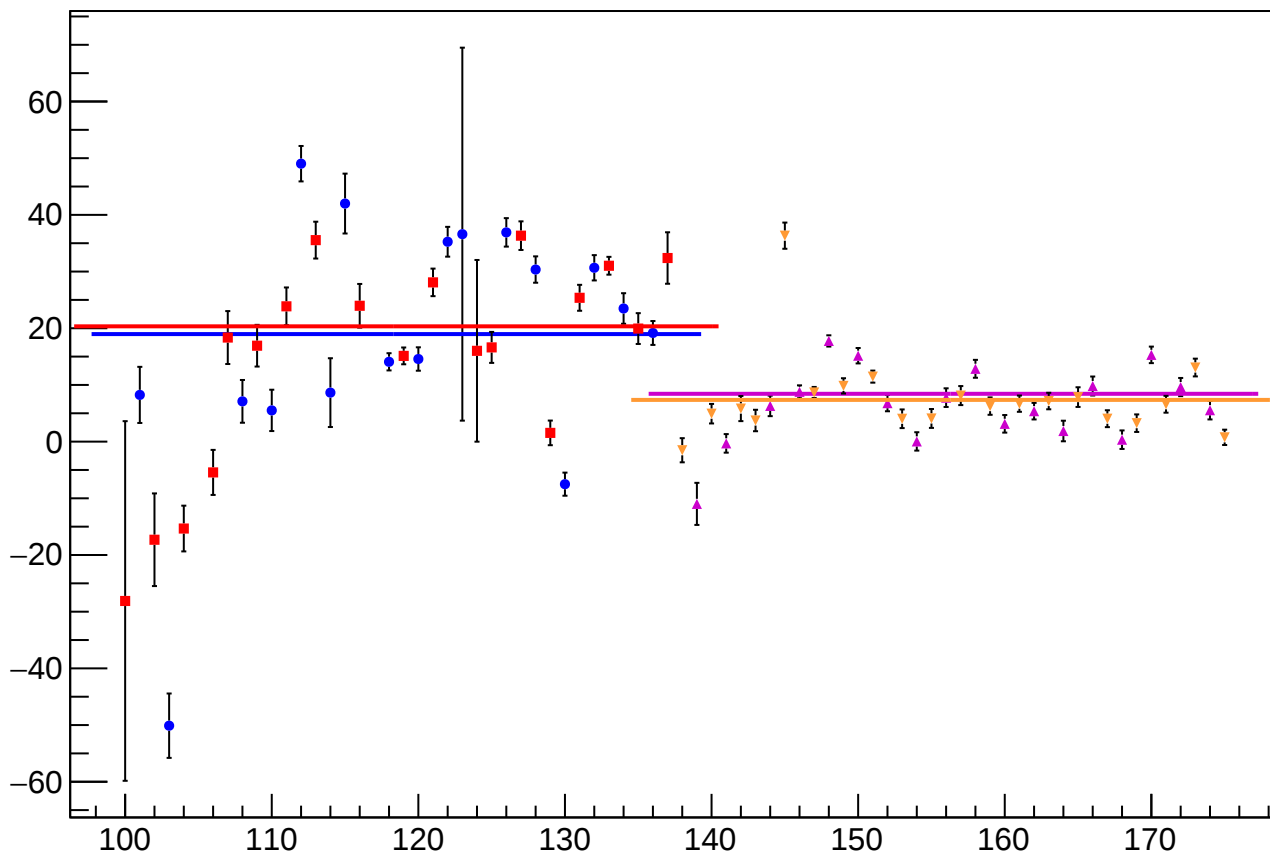
Left In: -36.638 ± 0.487 χ^2/NDF : 971.0/17

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -35.780 ± 0.336 χ^2/NDF : 2281.0/37

- 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: 7.359 ± 0.337 χ^2/NDF : 259.2/19

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

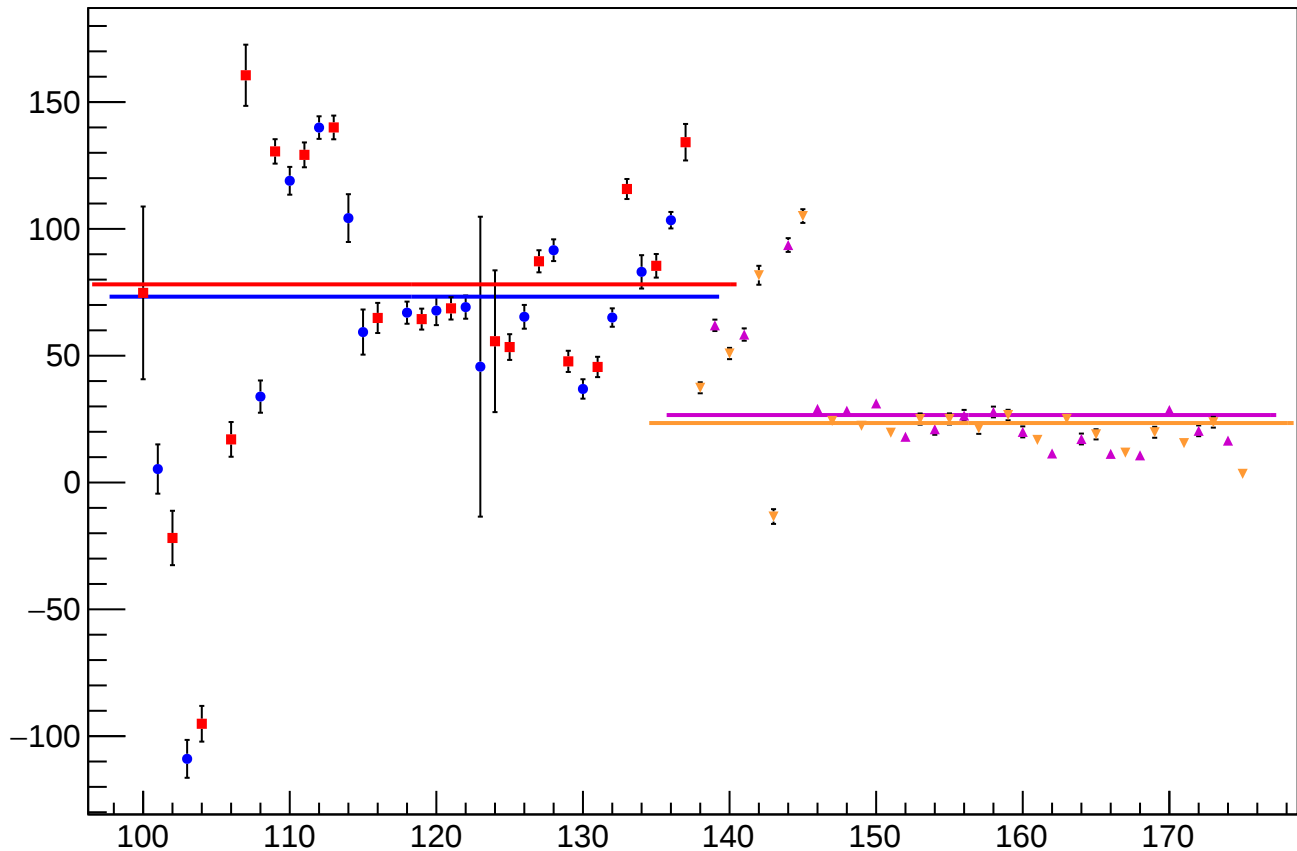
Left In: 8.436 ± 0.356 χ^2/NDF : 286.5/17

+ sign 9.804 ± 0.300 χ^2/NDF : 1127.2/36

All: 10.493 ± 0.216 χ^2/NDF : 2053.7/73

- sign 11.239 ± 0.312 χ^2/NDF : 915.5/36

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 23.453 $\pm$ 0.457 χ^2 /NDF:1804.7/19

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

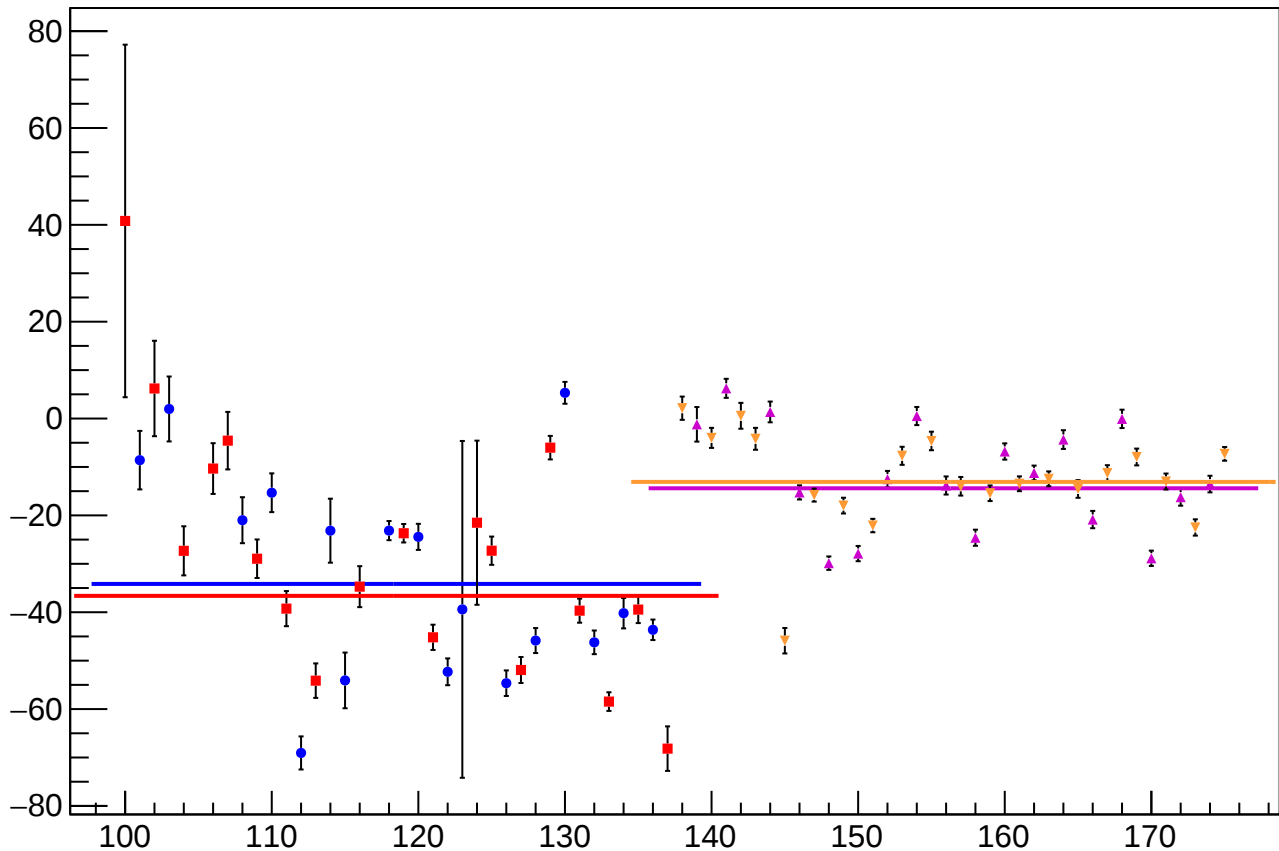
Left In: 26.604 $\pm$ 0.480 χ^2 /NDF:1337.5/17

+ sign 29.445 $\pm$ 0.429 χ^2 /NDF: 4431.8/36

All: 31.387 $\pm$ 0.309 χ^2 /NDF: 8894.1/73

- sign 33.498 $\pm$ 0.447 χ^2 /NDF: 4419.5/36

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.084 ± 0.388 χ^2/NDF : 401.0/19

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

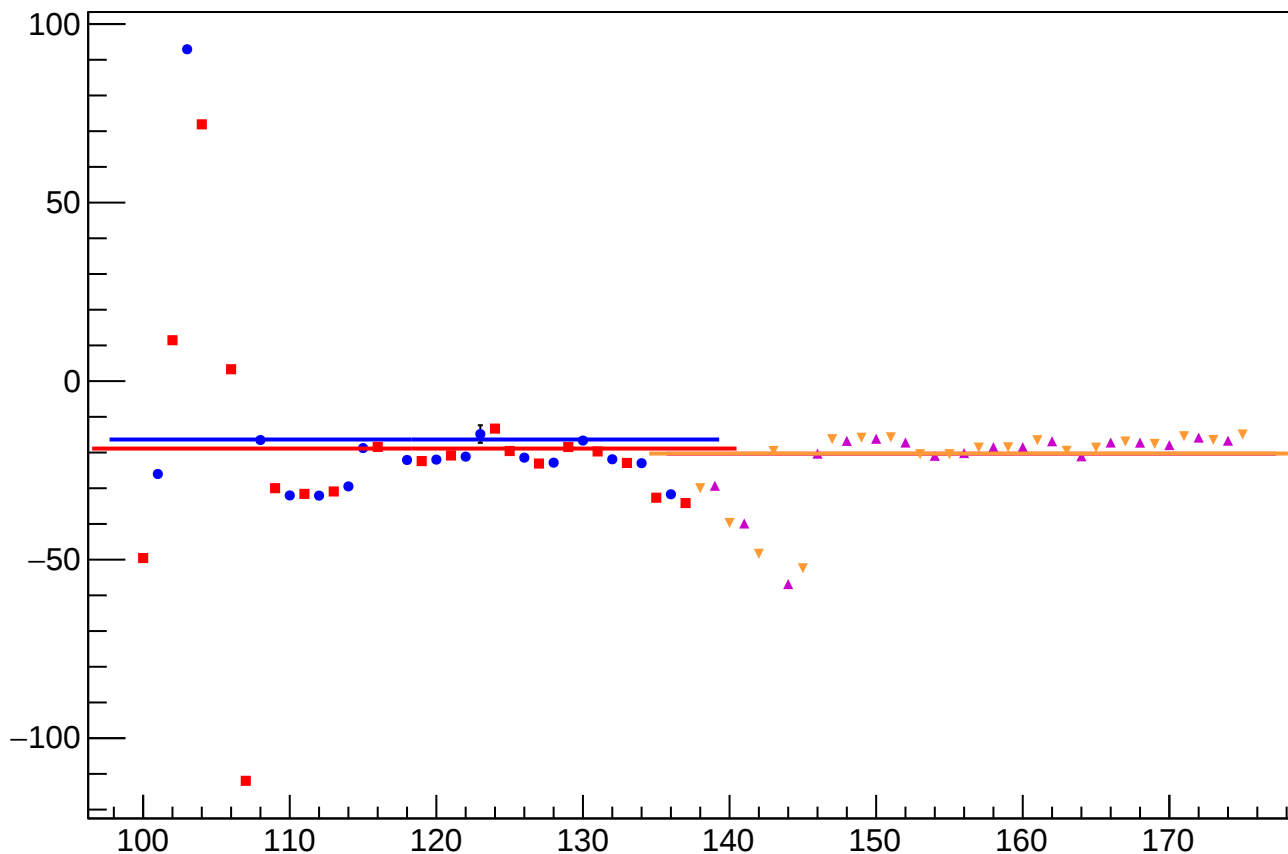
Left In: -14.407 ± 0.410 χ^2/NDF : 685.1/17

+ sign -17.581 ± 0.344 χ^2/NDF : 1747.8/36

All: -18.587 ± 0.248 χ^2/NDF : 3692.7/73

- sign -19.679 ± 0.358 χ^2/NDF : 1927.1/36

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -20.282 ± 0.018 $\chi^2/\text{NDF}: 208054.8/19$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

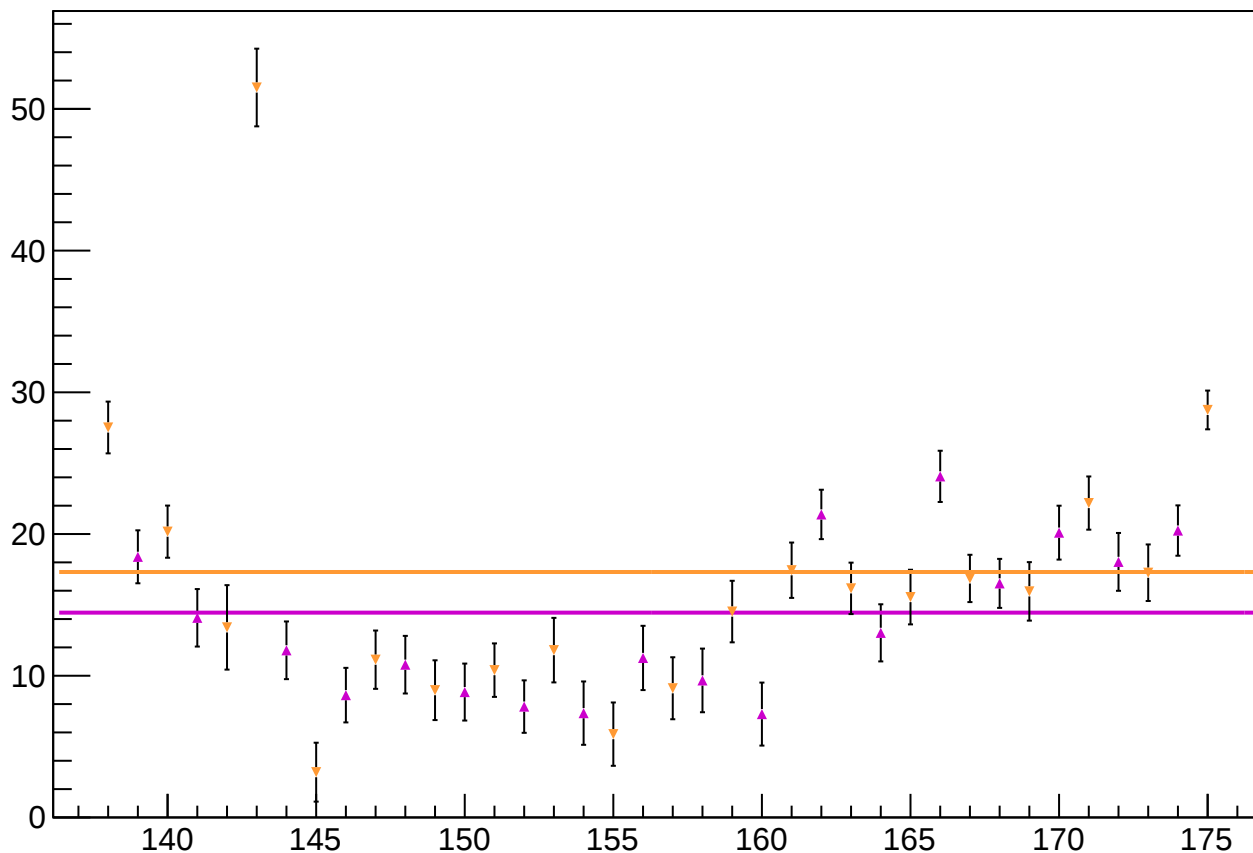
Left In: -20.351 ± 0.019 $\chi^2/\text{NDF}: 167624.9/17$

+ sign -19.728 ± 0.017 $\chi^2/\text{NDF}: 688915.0/36$

All: -19.928 ± 0.012 $\chi^2/\text{NDF}: 1291522.2/73$

- sign -20.139 ± 0.017 $\chi^2/\text{NDF}: 602313.3/36$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 17.321+/-0.442 χ^2/NDF : 401.4/19

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

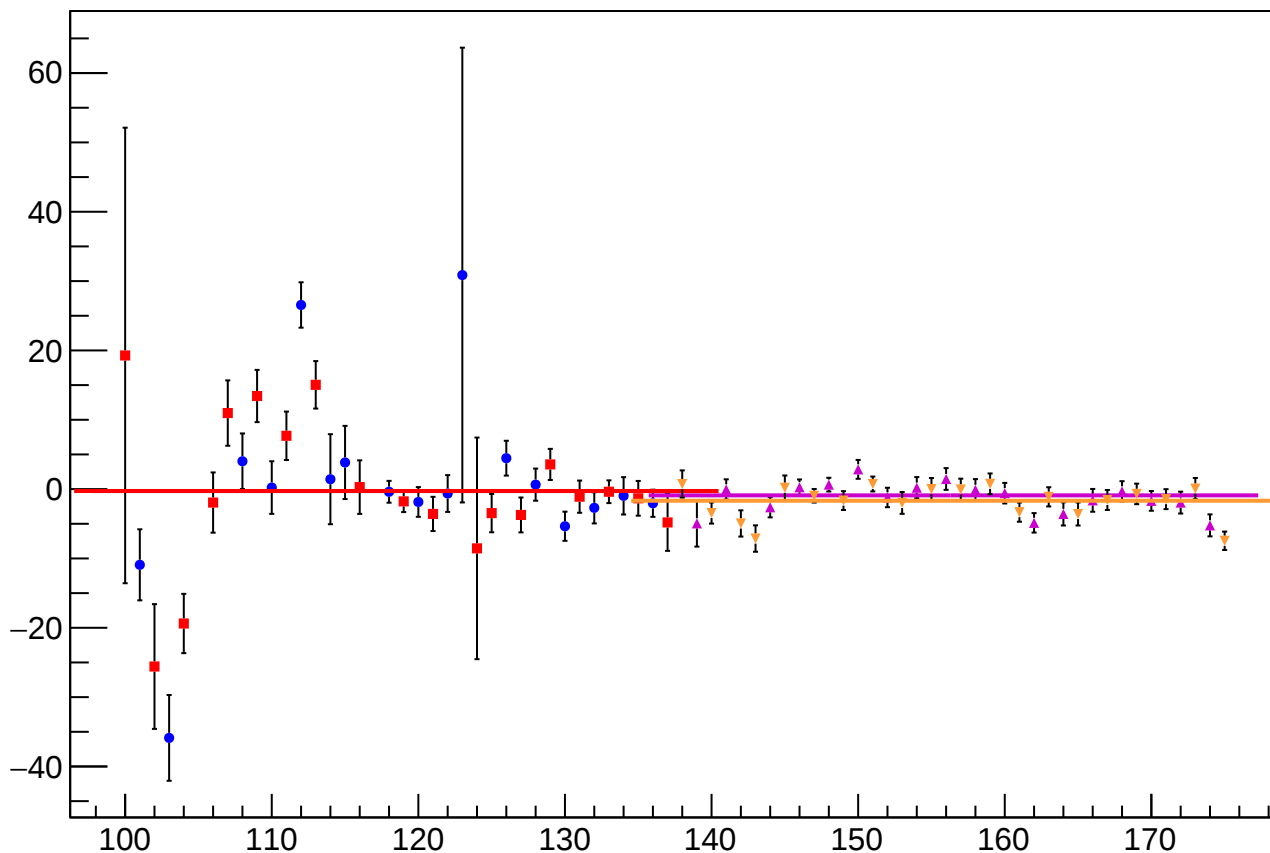
Left In: 14.453+/-0.463 χ^2/NDF : 134.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 15.954+/-0.320 χ^2/NDF : 556.2/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.677 ± 0.324 χ^2/NDF : 49.4/19

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

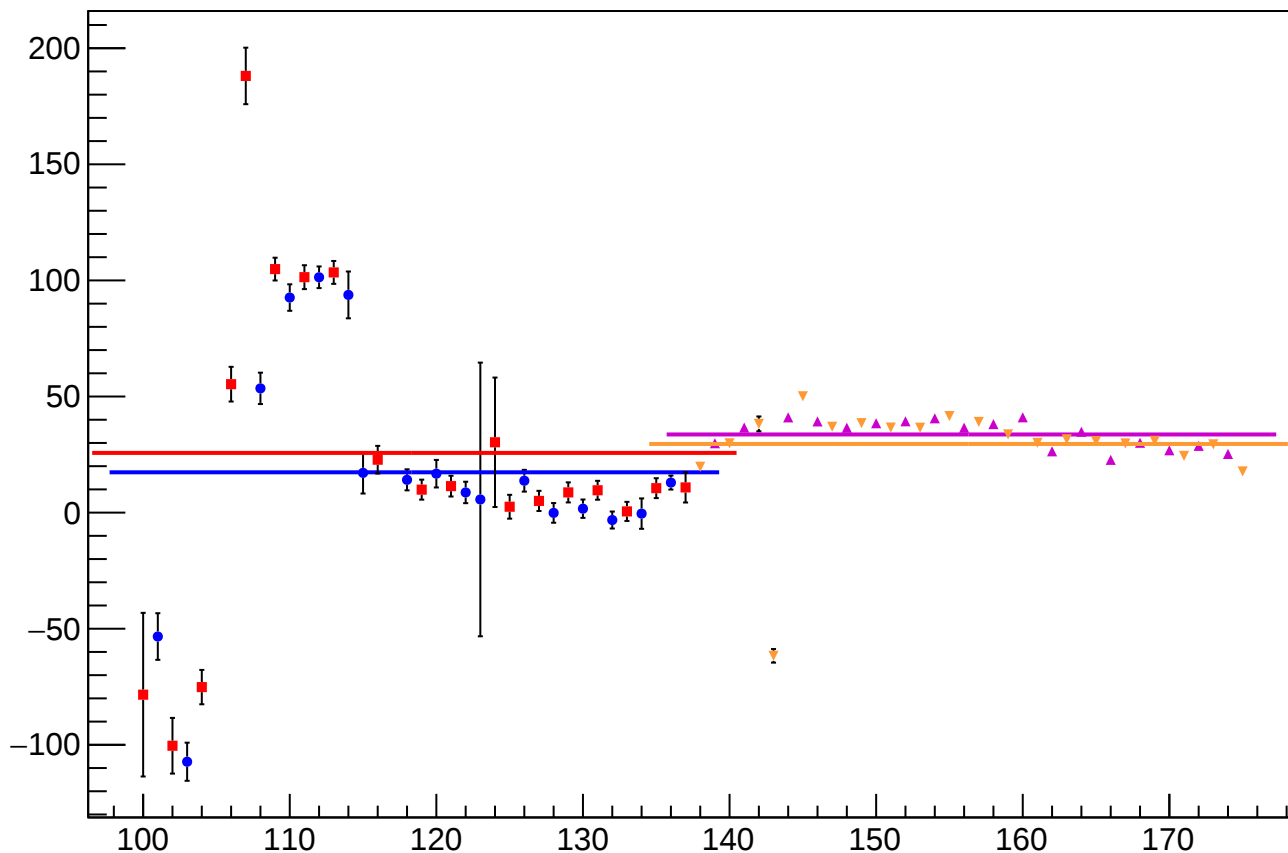
Left In: -0.902 ± 0.341 χ^2/NDF : 36.6/17

+ sign -1.407 ± 0.291 χ^2/NDF : 172.5/36

All: -1.099 ± 0.210 χ^2/NDF : 295.3/73

- sign -0.767 ± 0.303 χ^2/NDF : 120.5/36

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 29.565+/-0.437 χ^2/NDF :1299.0/19

Right Out: 25.717+/-1.243 χ^2/NDF : 1378.8/18

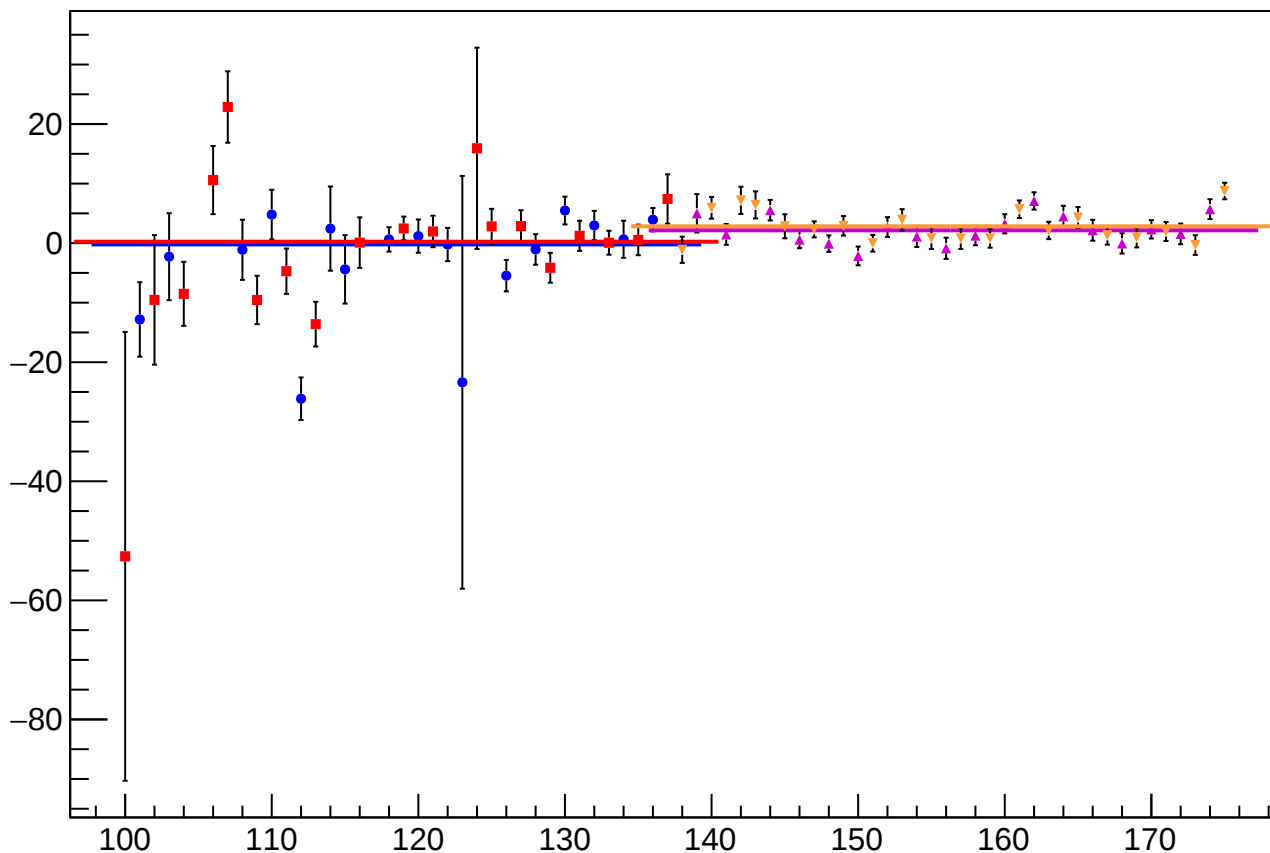
Left In: 33.659+/-0.458 χ^2/NDF :171.8/17

+ sign 28.229+/-0.413 χ^2/NDF : 2327.3/36

All: 30.380+/-0.297 χ^2/NDF : 3970.5/73

- sign 32.711+/-0.429 χ^2/NDF : 1586.5/36

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.828 ± 0.372 χ^2/NDF : 50.2/19

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

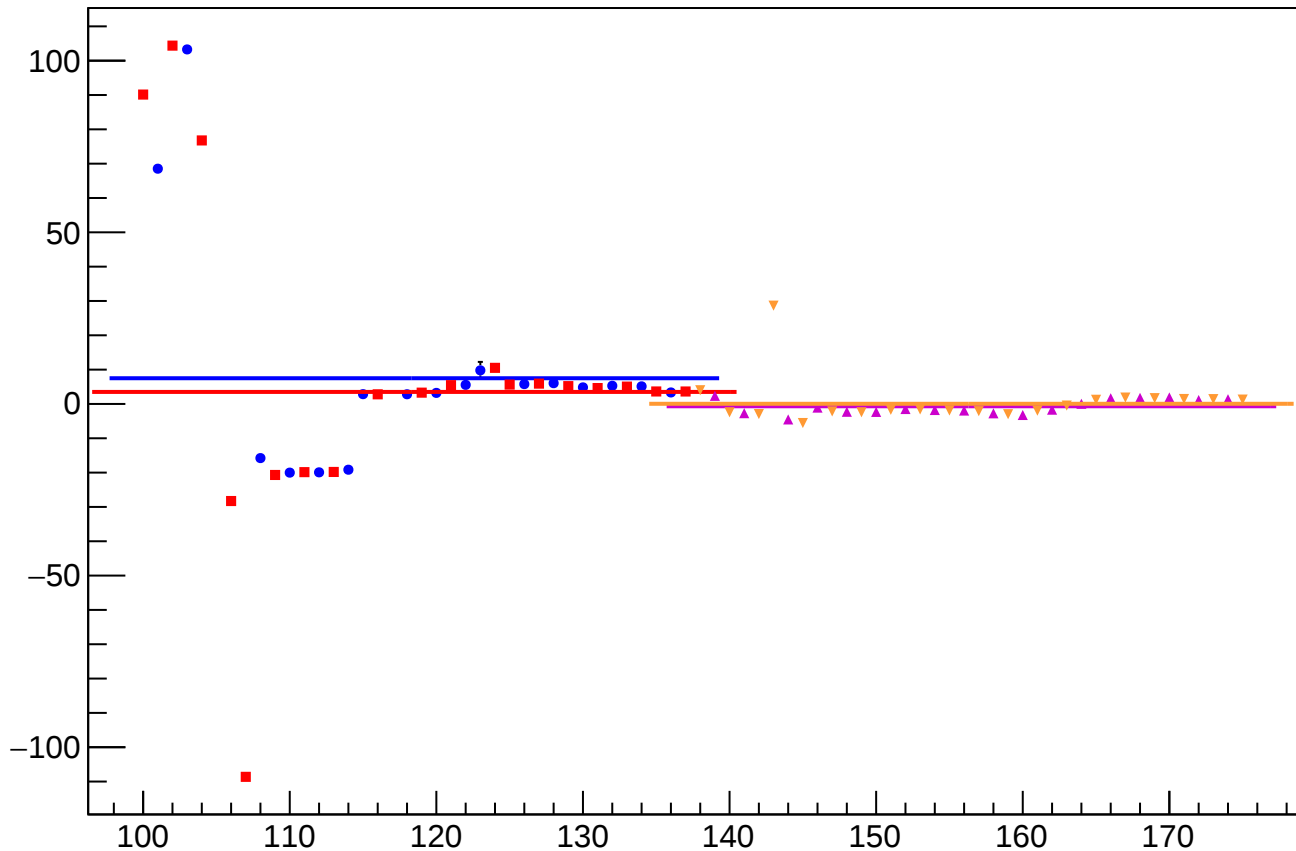
Left In: 2.154 ± 0.392 χ^2/NDF : 39.6/17

+ sign 2.229 ± 0.334 χ^2/NDF : 139.2/36

All: 1.995 ± 0.241 χ^2/NDF : 239.5/73

- sign 1.741 ± 0.348 χ^2/NDF : 99.3/36

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: 0.048 ± 0.017 $\chi^2/\text{NDF}: 77220.0/19$

Right Out: 3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.4/18$

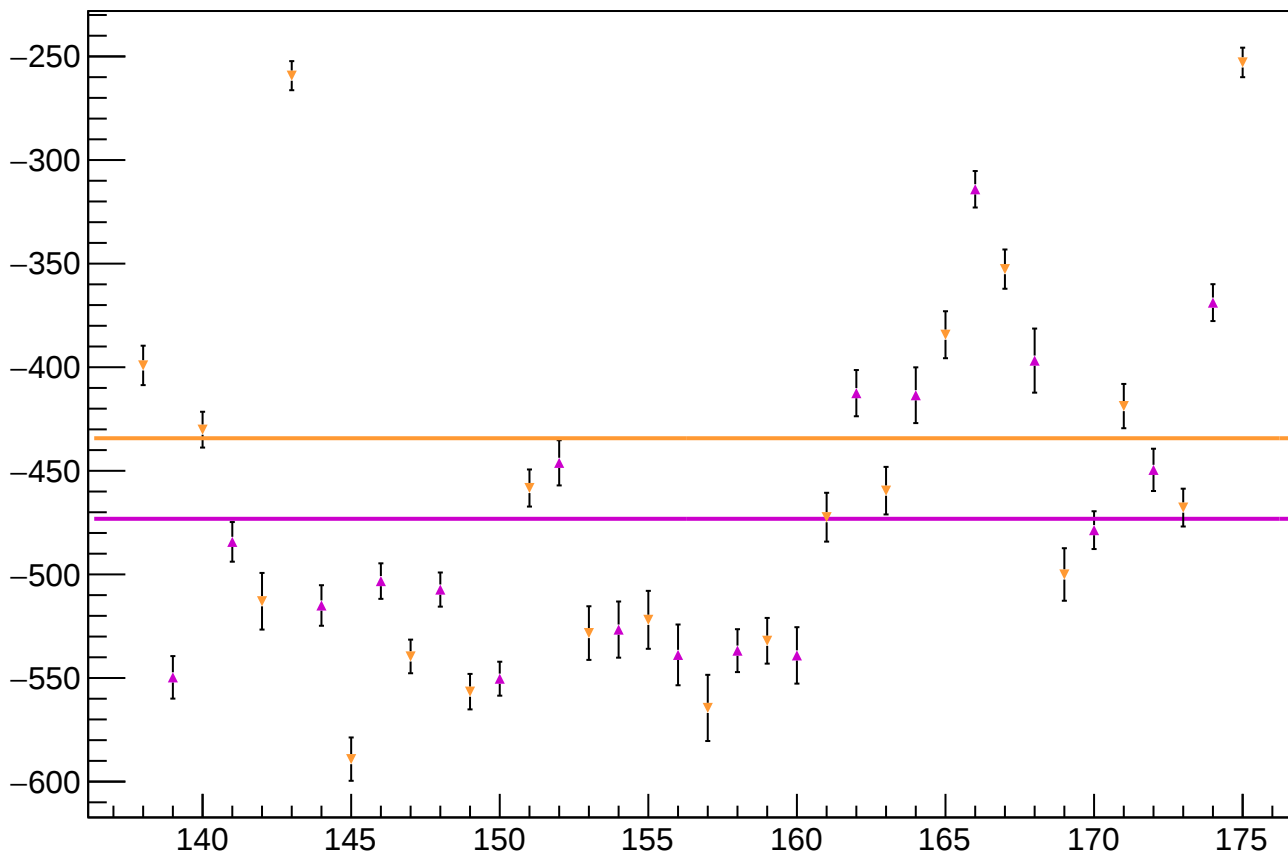
Left In: -0.675 ± 0.018 $\chi^2/\text{NDF}: 12733.9/17$

+ sign 1.015 ± 0.016 $\chi^2/\text{NDF}: 457399.6/36$

All: 0.459 ± 0.012 $\chi^2/\text{NDF}: 990457.9/73$

- sign -0.127 ± 0.017 $\chi^2/\text{NDF}: 530602.3/36$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -434.274+/-2.213 χ^2/NDF : 2304.2/19

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

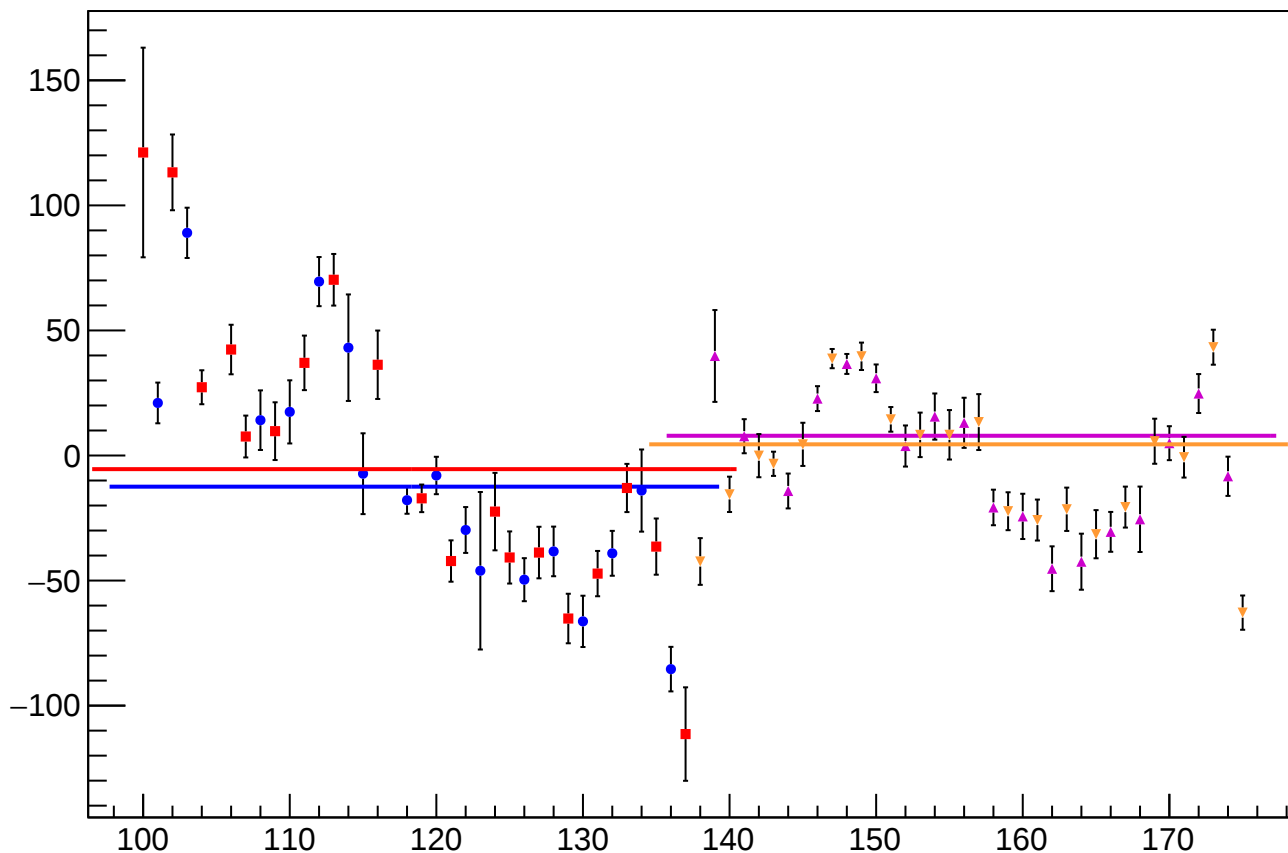
Left In: -473.160+/-2.410 χ^2/NDF : 839.4/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -452.066+/-1.630 χ^2/NDF : 3284.8/37

- 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: 4.472 ± 1.553 χ^2/NDF : 348.0/19

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

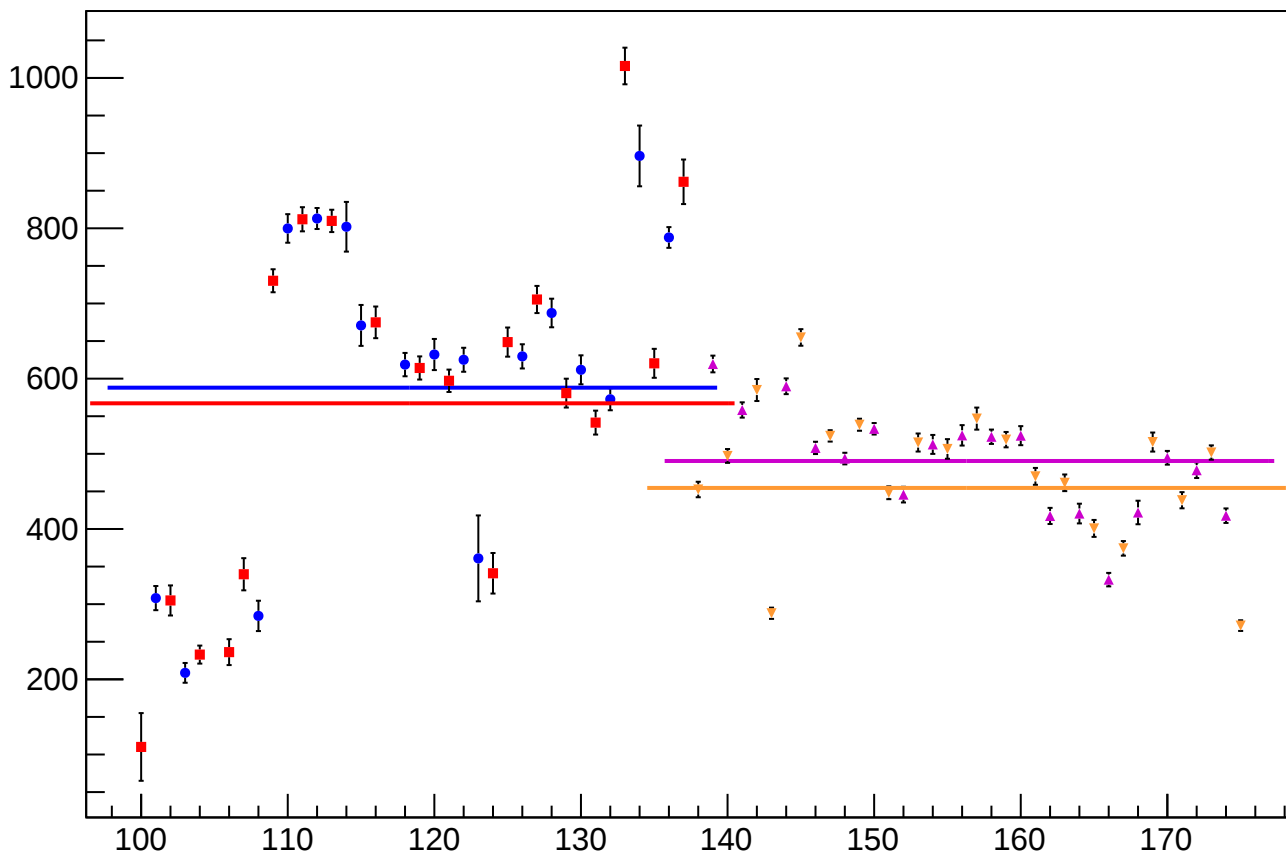
Left In: 7.893 ± 1.700 χ^2/NDF : 215.5/17

+ sign -0.679 ± 1.295 χ^2/NDF : 725.2/36

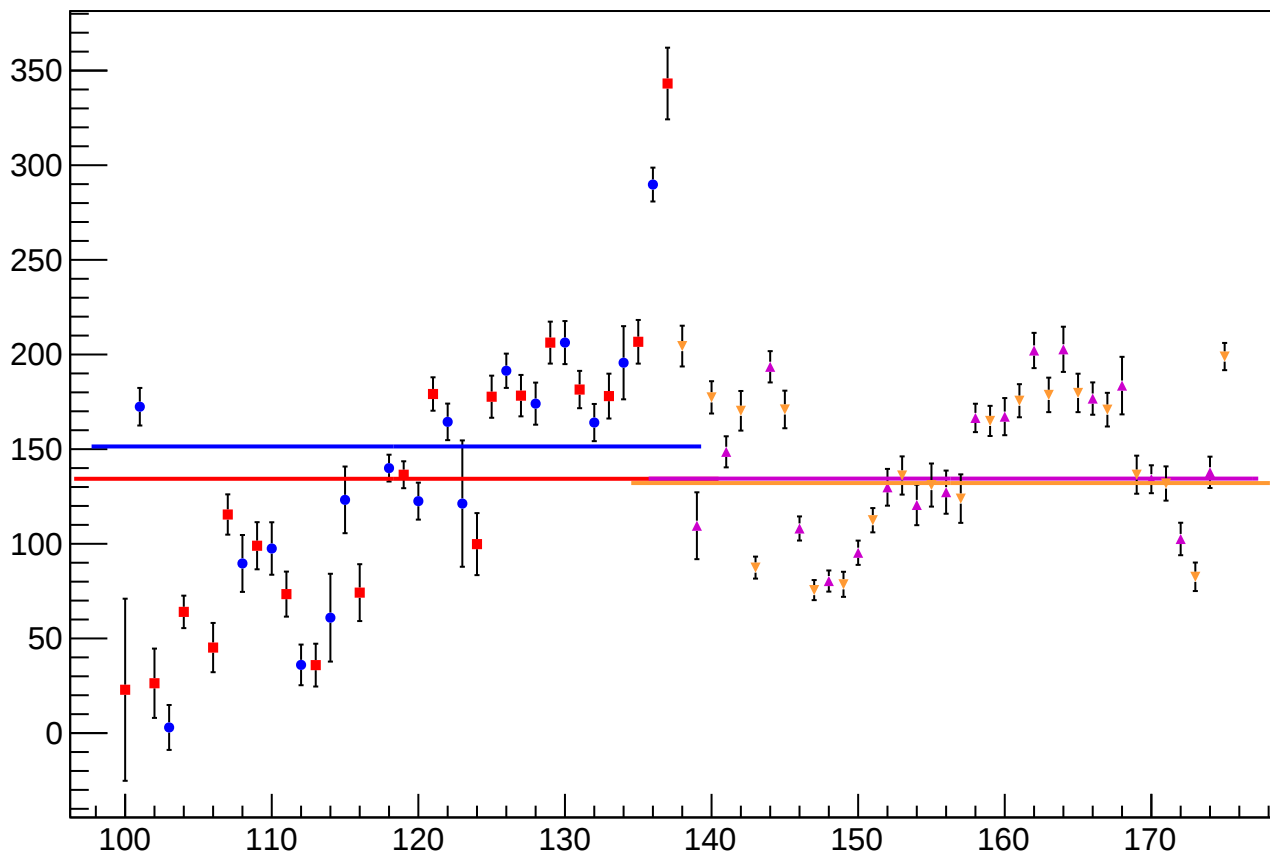
All: 1.105 ± 0.937 χ^2/NDF : 1312.0/73

- sign 3.067 ± 1.358 χ^2/NDF : 582.8/36

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: 132.088 $\pm$ 1.826 χ^2 /NDF: 588.6/19

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

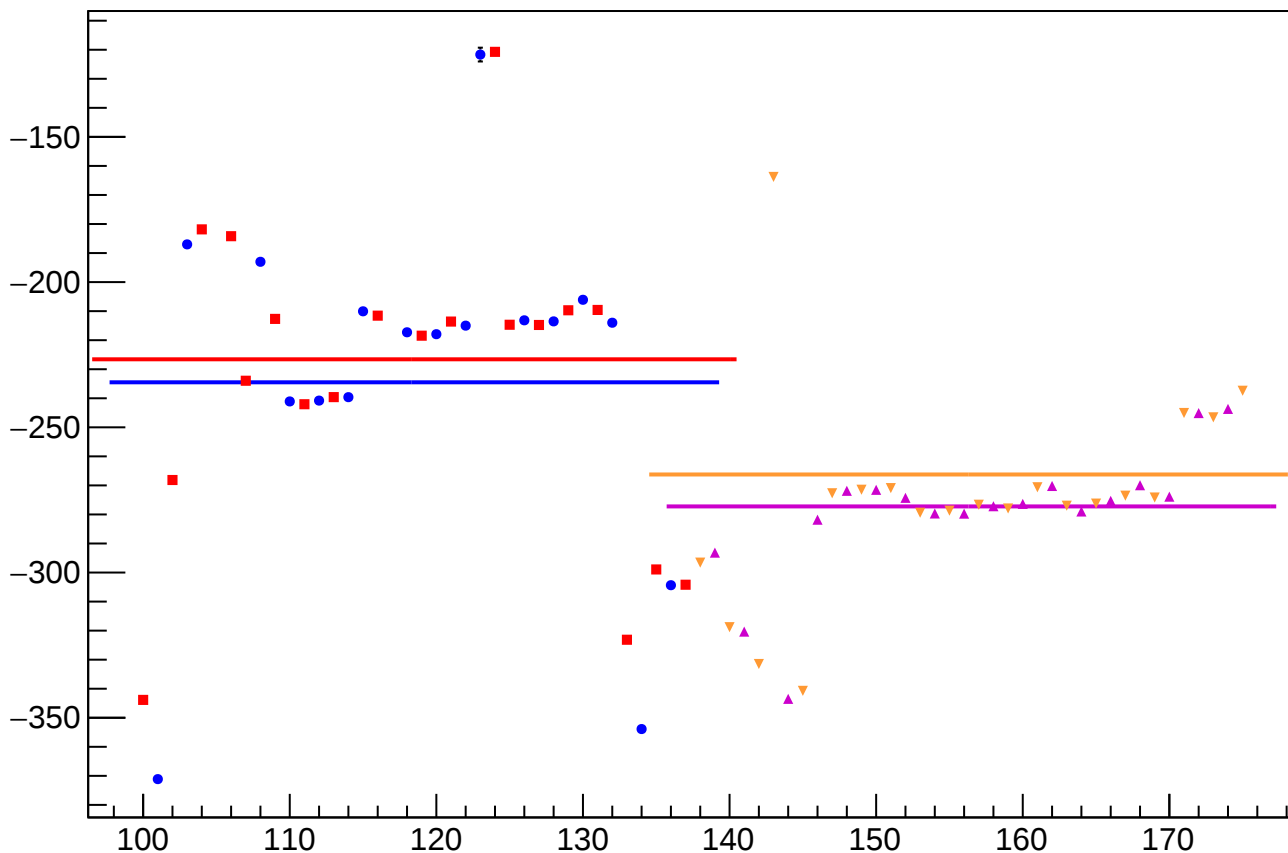
Left In: 134.449 $\pm$ 1.992 χ^2 /NDF: 370.6/17

+ sign 138.128 $\pm$ 1.514 χ^2 /NDF: 1256.9/36

All: 136.354 $\pm$ 1.095 χ^2 /NDF: 2215.2/73

- sign 134.411 $\pm$ 1.584 χ^2 /NDF: 955.5/36

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -266.237 ± 0.089 $\chi^2/\text{NDF}: 199259.9/19$

Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

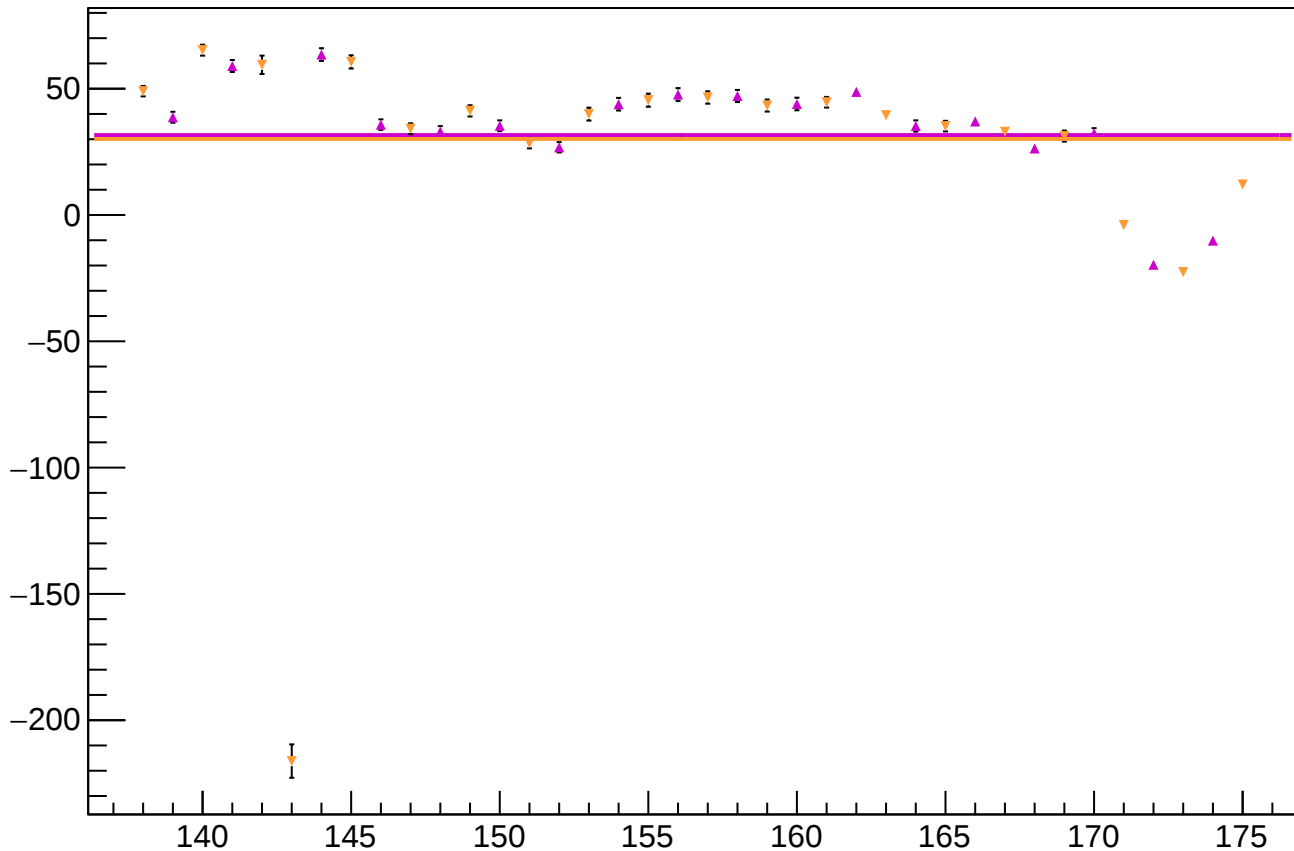
Left In: -277.233 ± 0.094 $\chi^2/\text{NDF}: 51687.8/17$

+ sign -257.911 ± 0.076 $\chi^2/\text{NDF}: 377757.9/36$

All: -259.805 ± 0.055 $\chi^2/\text{NDF}: 618854.5/73$

- sign -261.787 ± 0.078 $\chi^2/\text{NDF}: 239836.6/36$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 30.108+/-0.485 χ^2/NDF :3389.7/19

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

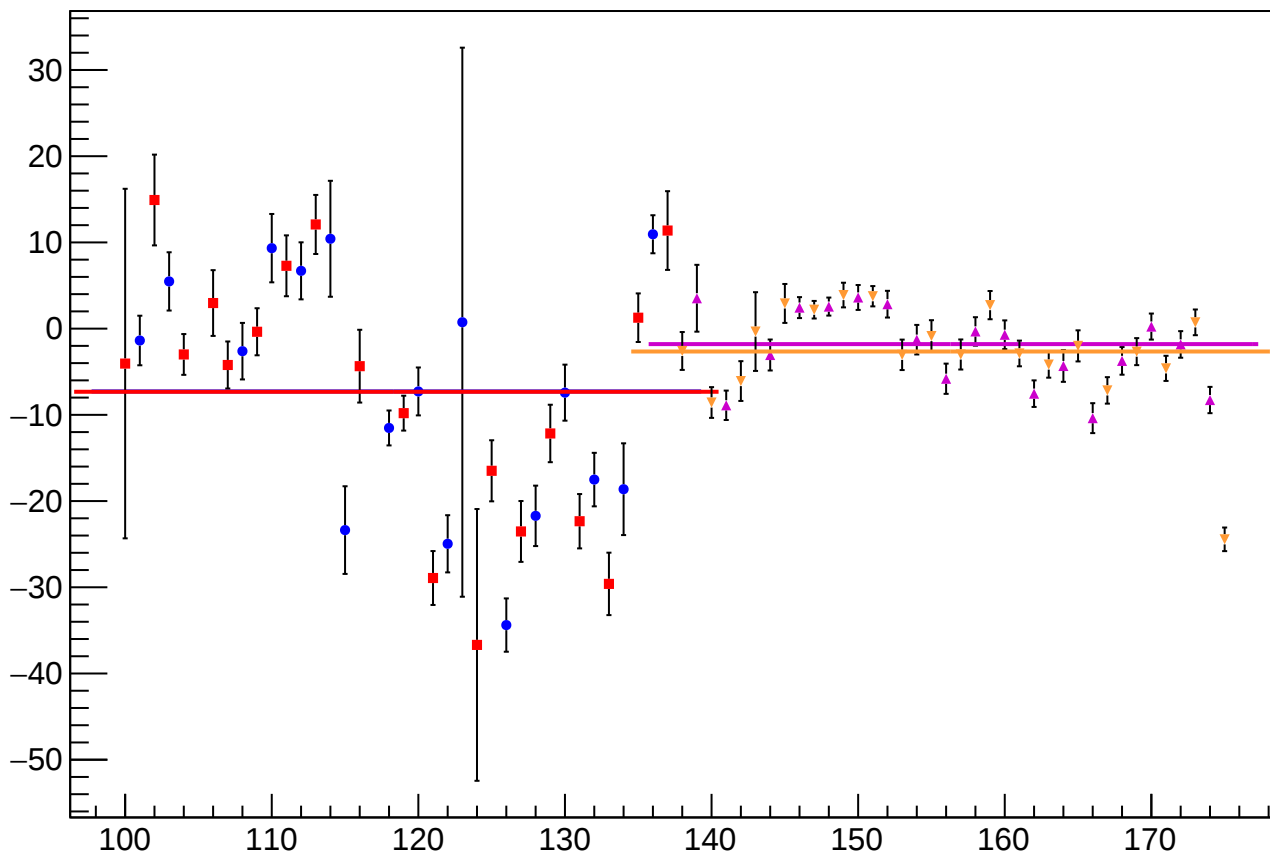
Left In: 31.629+/-0.502 χ^2/NDF :1795.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 30.841+/-0.349 χ^2/NDF : 5189.7/37

- sign 0.000+/-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: -2.652 ± 0.355 χ^2/NDF : 374.6/19

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

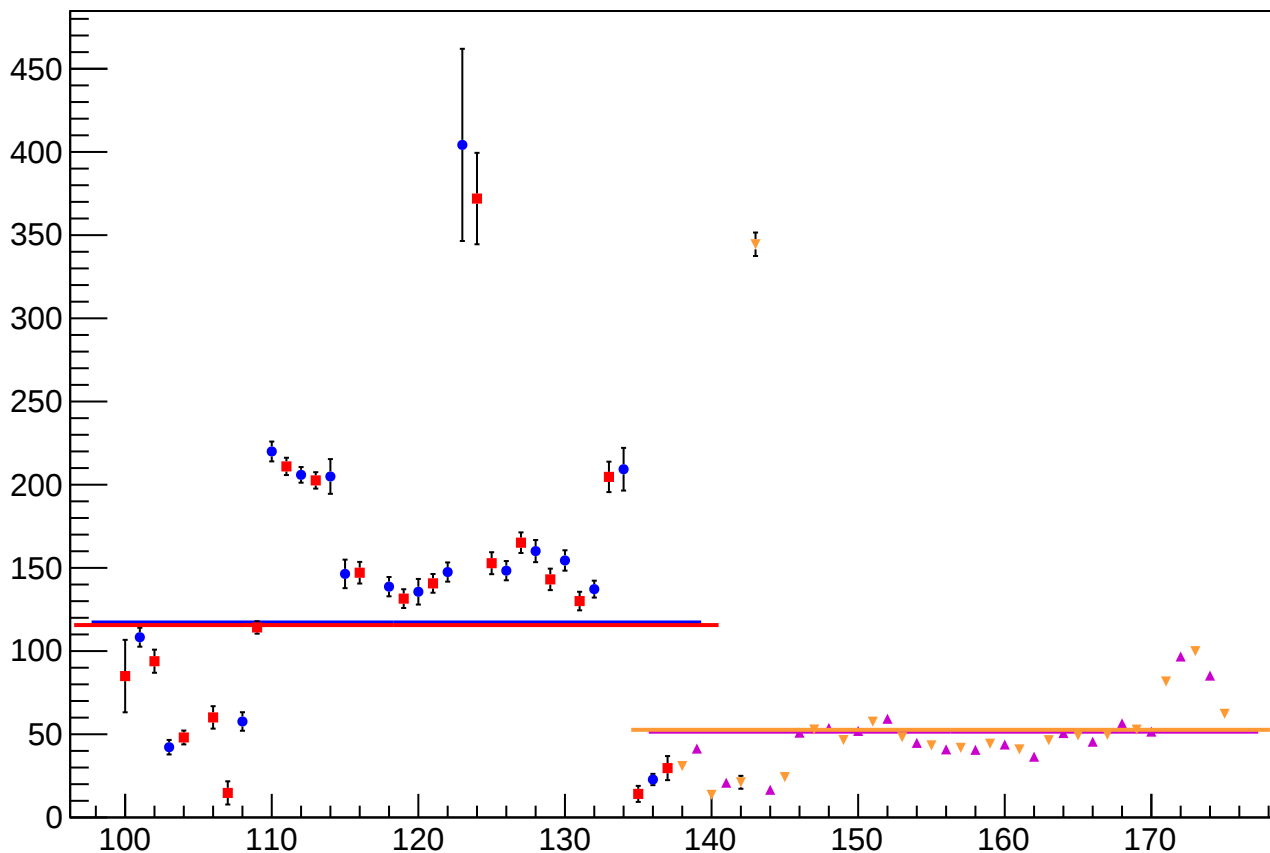
Left In: -1.795 ± 0.369 χ^2/NDF : 140.3/17

+ sign -3.434 ± 0.324 χ^2/NDF : 686.4/36

All: -3.149 ± 0.232 χ^2/NDF : 1126.4/73

- sign -2.850 ± 0.332 χ^2/NDF : 438.4/36

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 $\pm$ 1.416 χ^2 /NDF: 2161.0/16

Left Out: 52.679 $\pm$ 0.479 χ^2 /NDF:3209.5/19

Right Out: 115.632 $\pm$ 1.361 χ^2 /NDF: 2137.6/18

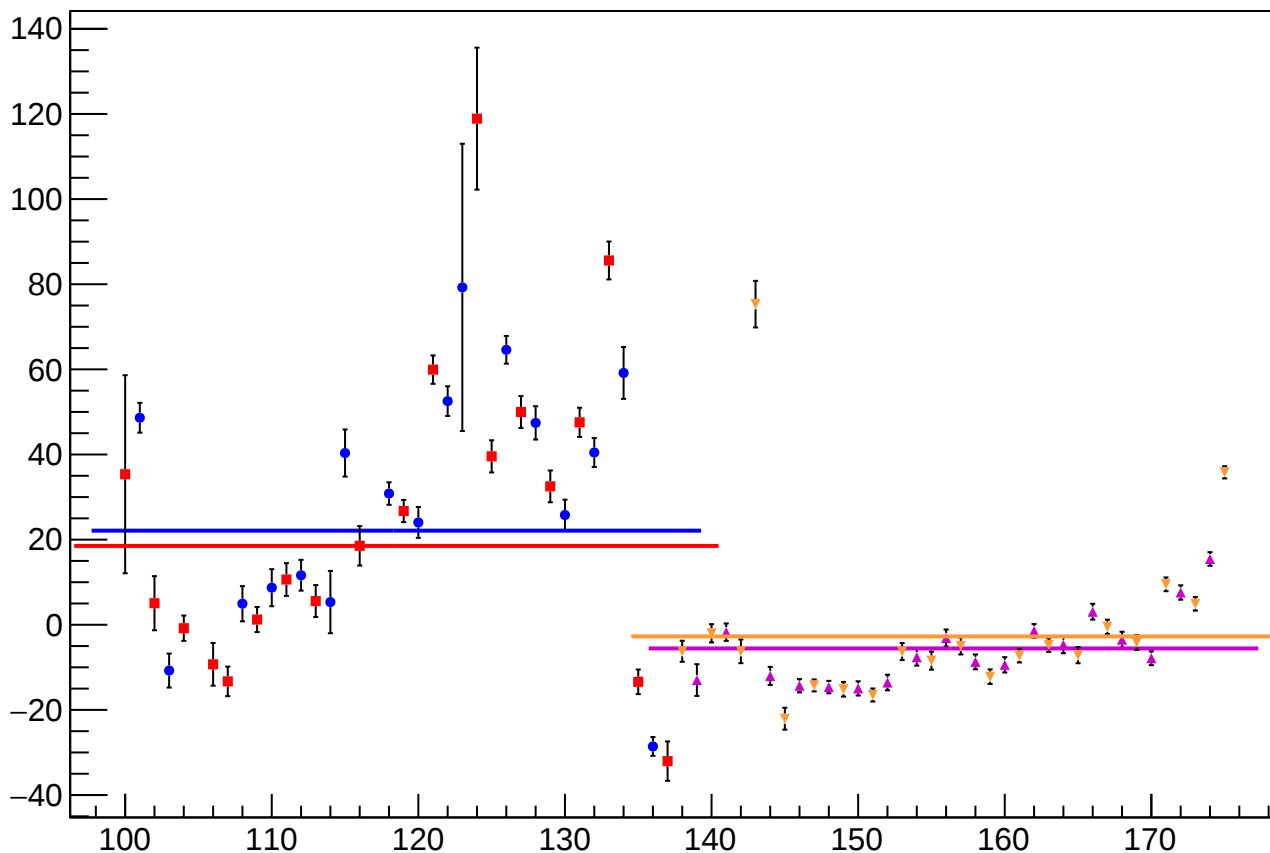
Left In: 51.559 $\pm$ 0.497 χ^2 /NDF:1314.9/17

+ sign 59.291 $\pm$ 0.453 χ^2 /NDF: 7232.3/36

All: 59.192 $\pm$ 0.325 χ^2 /NDF: 12640.7/73

- sign 59.087 $\pm$ 0.467 χ^2 /NDF: 5408.4/36

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 ± 0.898 $\chi^2/\text{NDF}: 1070.3/16$

Left Out: -2.738 ± 0.407 $\chi^2/\text{NDF}: 1325.3/19$

Right Out: 18.521 ± 0.871 $\chi^2/\text{NDF}: 1068.6/18$

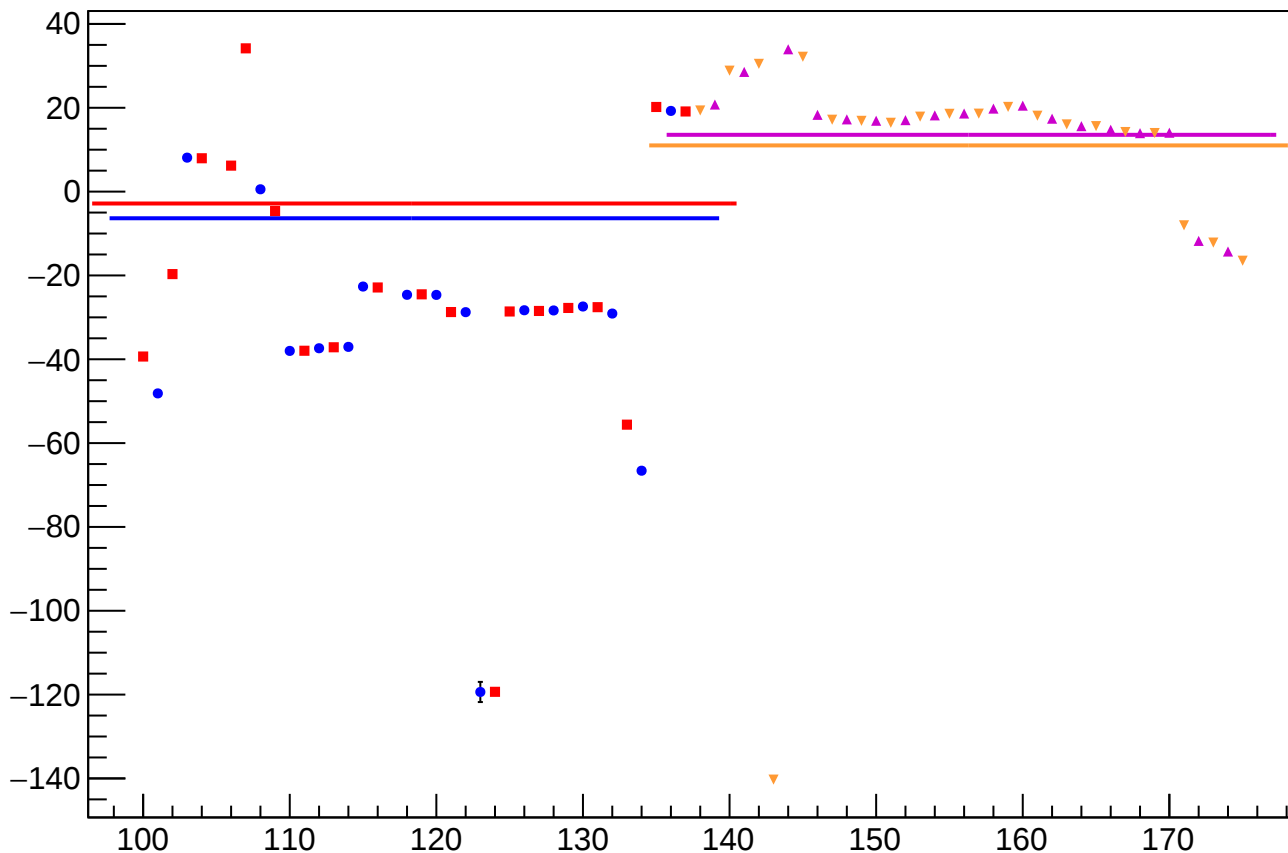
Left In: -5.562 ± 0.425 $\chi^2/\text{NDF}: 410.6/17$

+ sign 1.502 ± 0.371 $\chi^2/\text{NDF}: 3030.4/36$

All: 0.316 ± 0.266 $\chi^2/\text{NDF}: 5148.0/73$

- sign -0.939 ± 0.382 $\chi^2/\text{NDF}: 2096.6/36$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 11.022 ± 0.019 $\chi^2/\text{NDF}: 790946.6/19$

Right Out: -2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

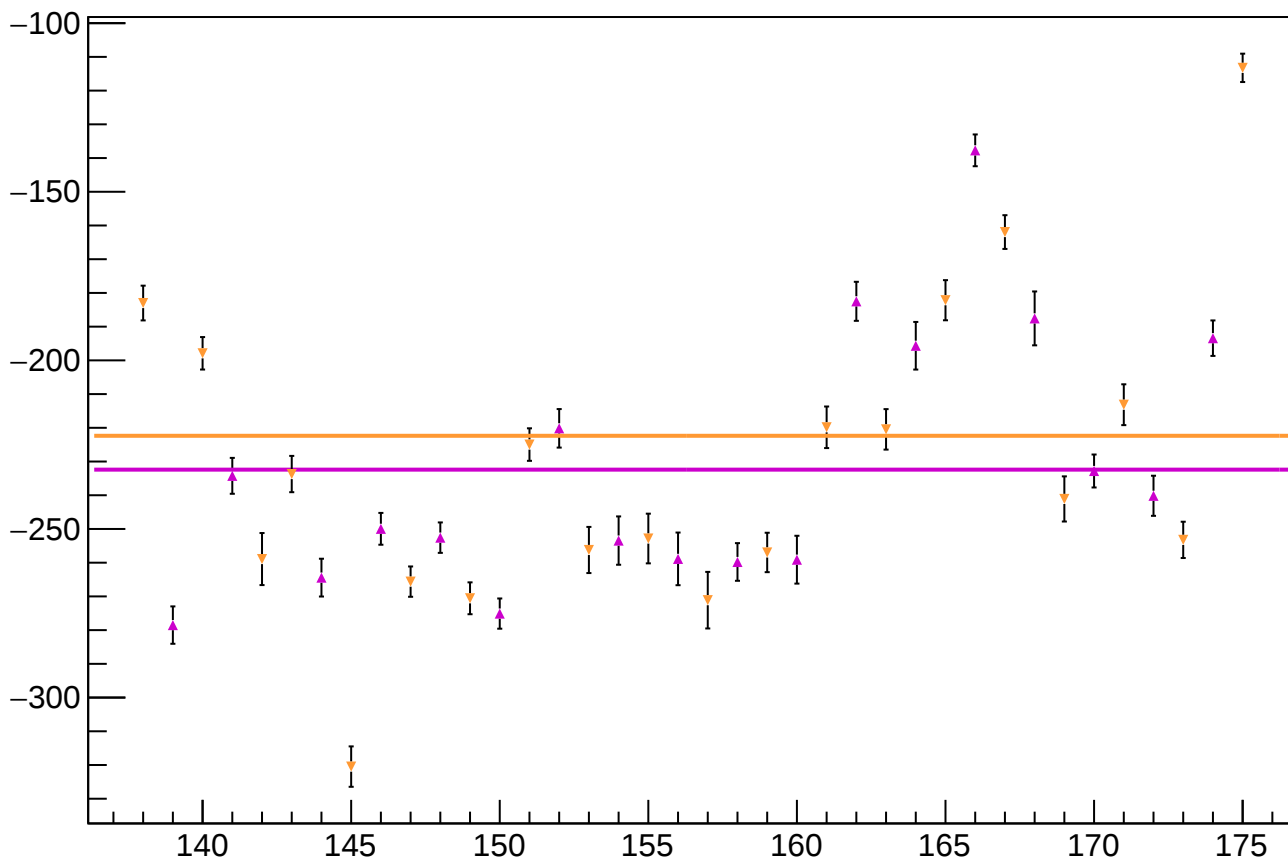
Left In: 13.548 ± 0.019 $\chi^2/\text{NDF}: 382594.4/17$

+ sign 8.537 ± 0.018 $\chi^2/\text{NDF}: 1176418.5/36$

All: 9.800 ± 0.012 $\chi^2/\text{NDF}: 1944161.7/73$

- sign 11.091 ± 0.018 $\chi^2/\text{NDF}: 757227.7/36$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -222.367 $\pm$ 1.247 χ^2 /NDF:1594.2/19

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

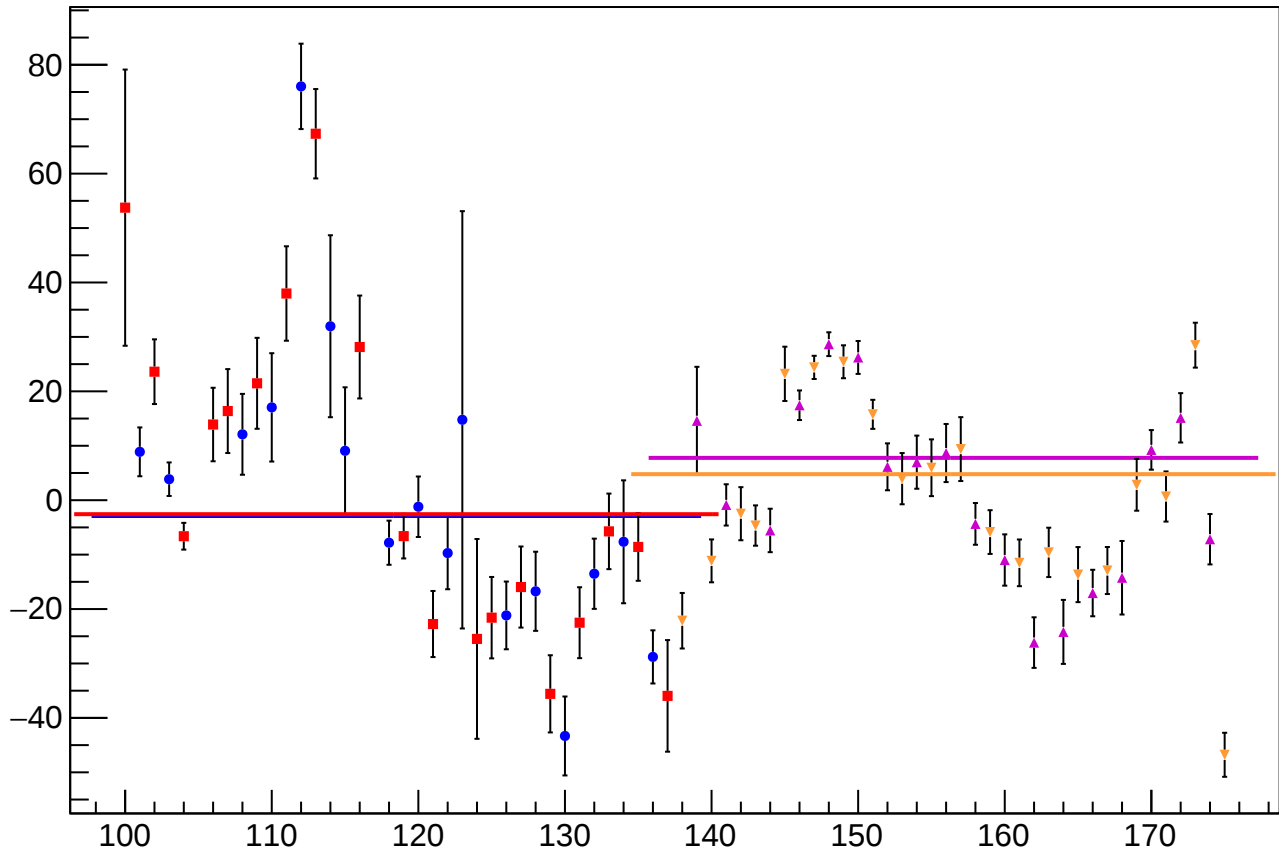
Left In: -232.406 $\pm$ 1.314 χ^2 /NDF:882.6/17

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

All: -227.121 $\pm$ 0.905 χ^2 /NDF: 2507.5/37

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

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 $\chi^2/\text{NDF}: 203.6/16$

Left Out: 4.783 ± 0.874 $\chi^2/\text{NDF}: 473.7/19$

Right Out: -2.570 ± 1.396 $\chi^2/\text{NDF}: 218.2/18$

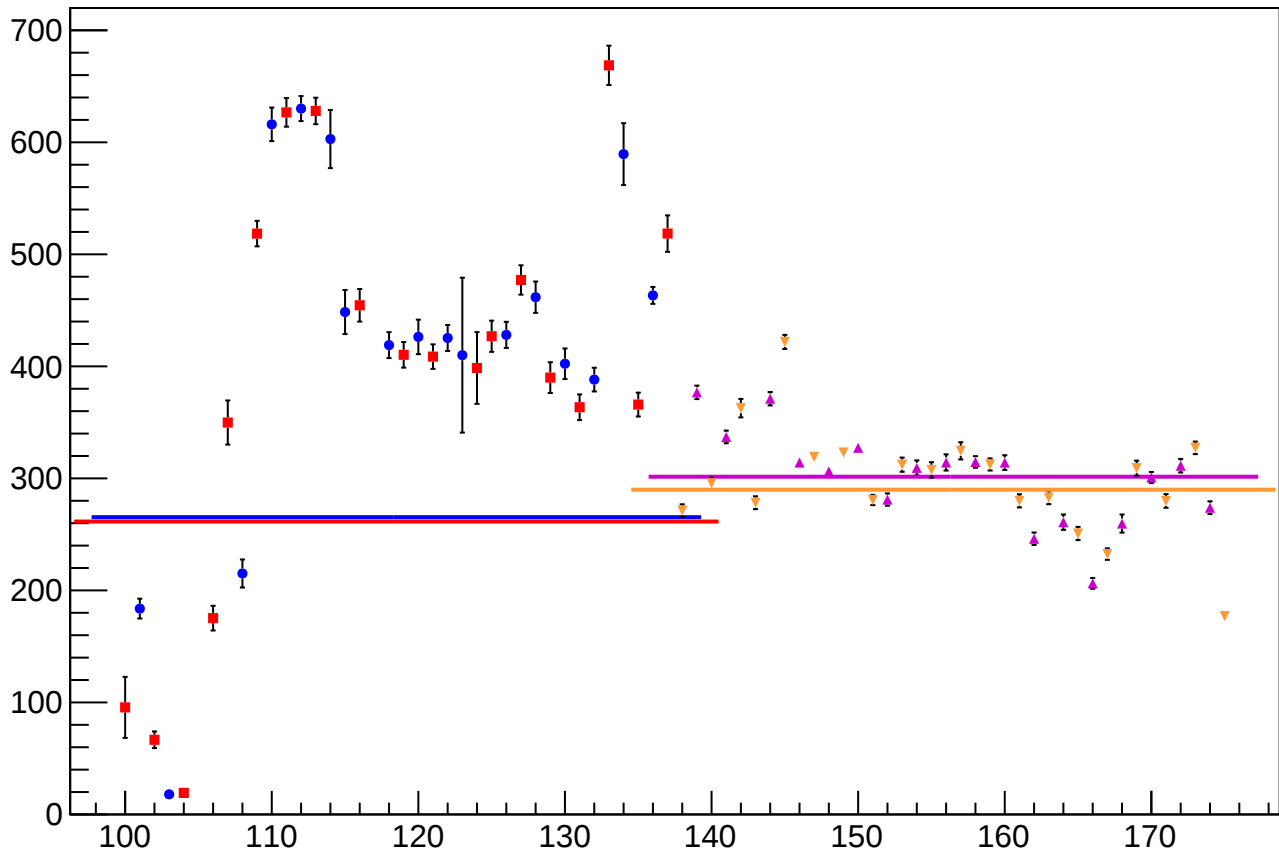
Left In: 7.776 ± 0.927 $\chi^2/\text{NDF}: 324.6/17$

+ sign 2.769 ± 0.751 $\chi^2/\text{NDF}: 697.5/36$

All: 3.664 ± 0.538 $\chi^2/\text{NDF}: 1281.4/73$

- sign 4.610 ± 0.772 $\chi^2/\text{NDF}: 581.0/36$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 289.910 $\pm$ 1.235 χ^2 /NDF:1651.8/19

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

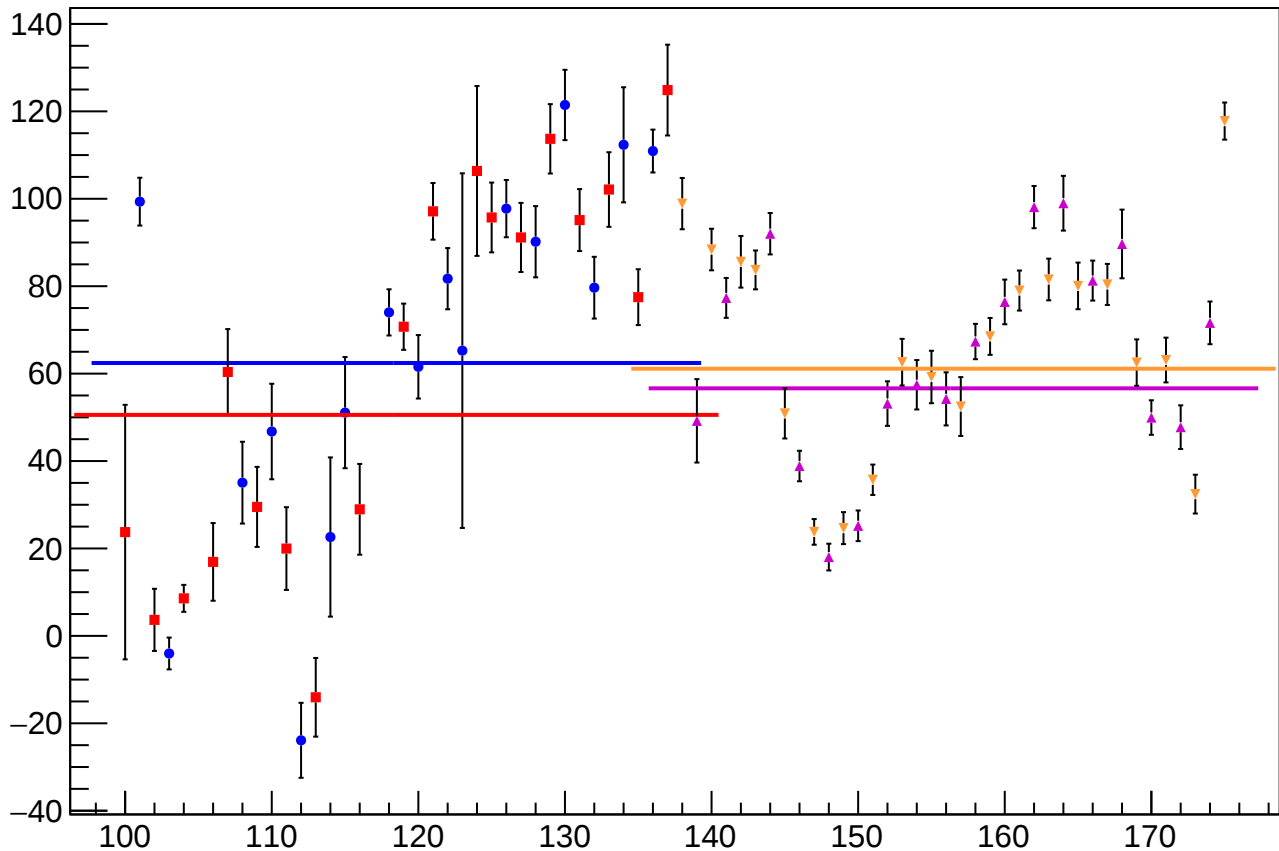
Left In: 301.484 $\pm$ 1.295 χ^2 /NDF:986.9/17

+ sign 285.060 $\pm$ 1.106 χ^2 /NDF: 9363.6/36

All: 288.787 $\pm$ 0.796 χ^2 /NDF: 18785.8/73

- sign 292.786 $\pm$ 1.146 χ^2 /NDF: 9398.7/36

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 ± 1.694 $\chi^2/\text{NDF}: 721.8/16$

Left Out: 61.124 ± 1.026 $\chi^2/\text{NDF}: 722.9/19$

Right Out: 50.560 ± 1.642 $\chi^2/\text{NDF}: 657.4/18$

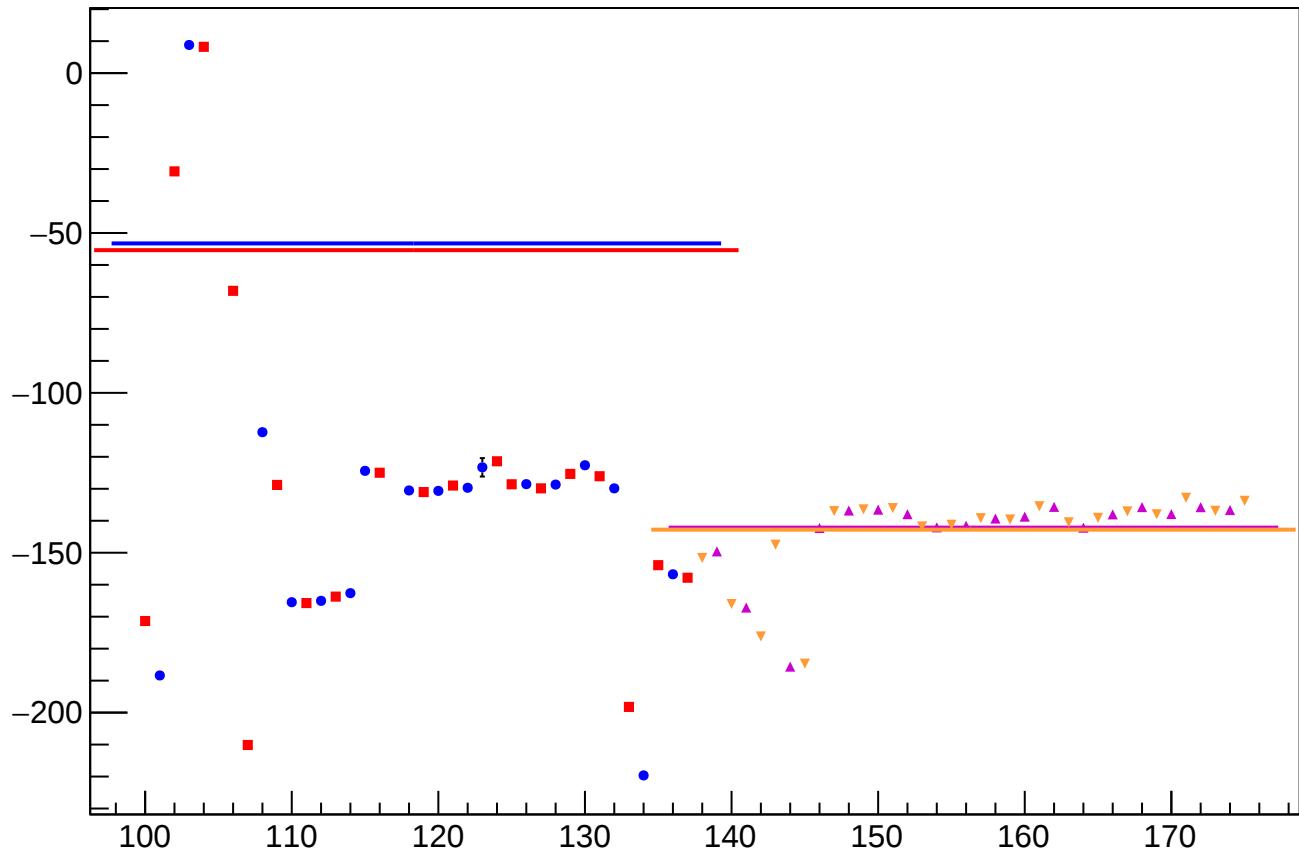
Left In: 56.633 ± 1.086 $\chi^2/\text{NDF}: 546.7/17$

+ sign 61.476 ± 0.878 $\chi^2/\text{NDF}: 1445.1/36$

All: 58.235 ± 0.630 $\chi^2/\text{NDF}: 2686.8/73$

- sign 54.786 ± 0.906 $\chi^2/\text{NDF}: 1213.6/36$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 ± 0.070 χ^2/NDF : 1225492.9/16

Left Out: -142.783 ± 0.050 χ^2/NDF : 62422.5/19

Right Out: -55.373 ± 0.072 χ^2/NDF : 967027.2/18

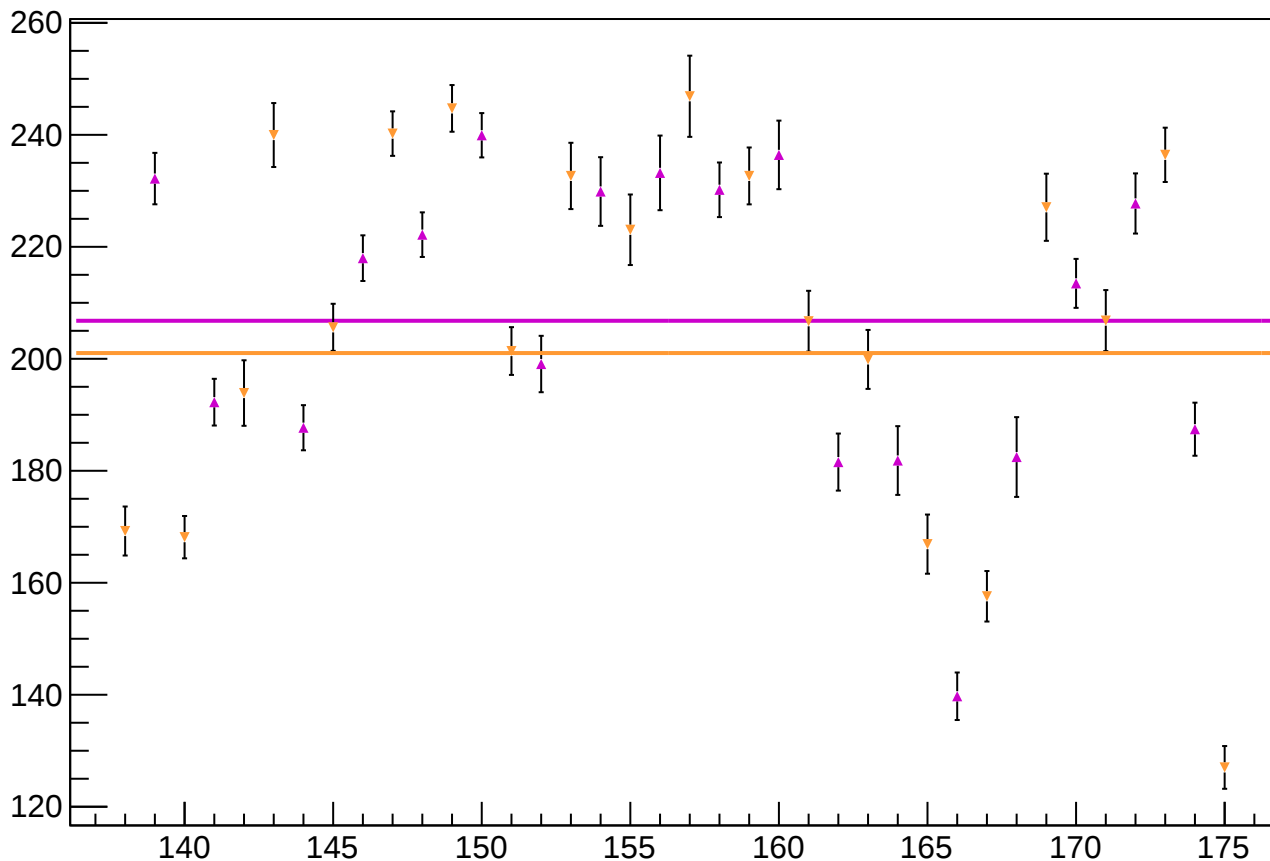
Left In: -142.149 ± 0.051 χ^2/NDF : 47088.4/17

+ sign -113.052 ± 0.041 χ^2/NDF : 2367466.0/36

All: -113.108 ± 0.029 χ^2/NDF : 4350339.5/73

- sign -113.166 ± 0.042 χ^2/NDF : 1982869.6/36

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 201.028+/-1.082 χ^2/NDF :1088.6/19

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

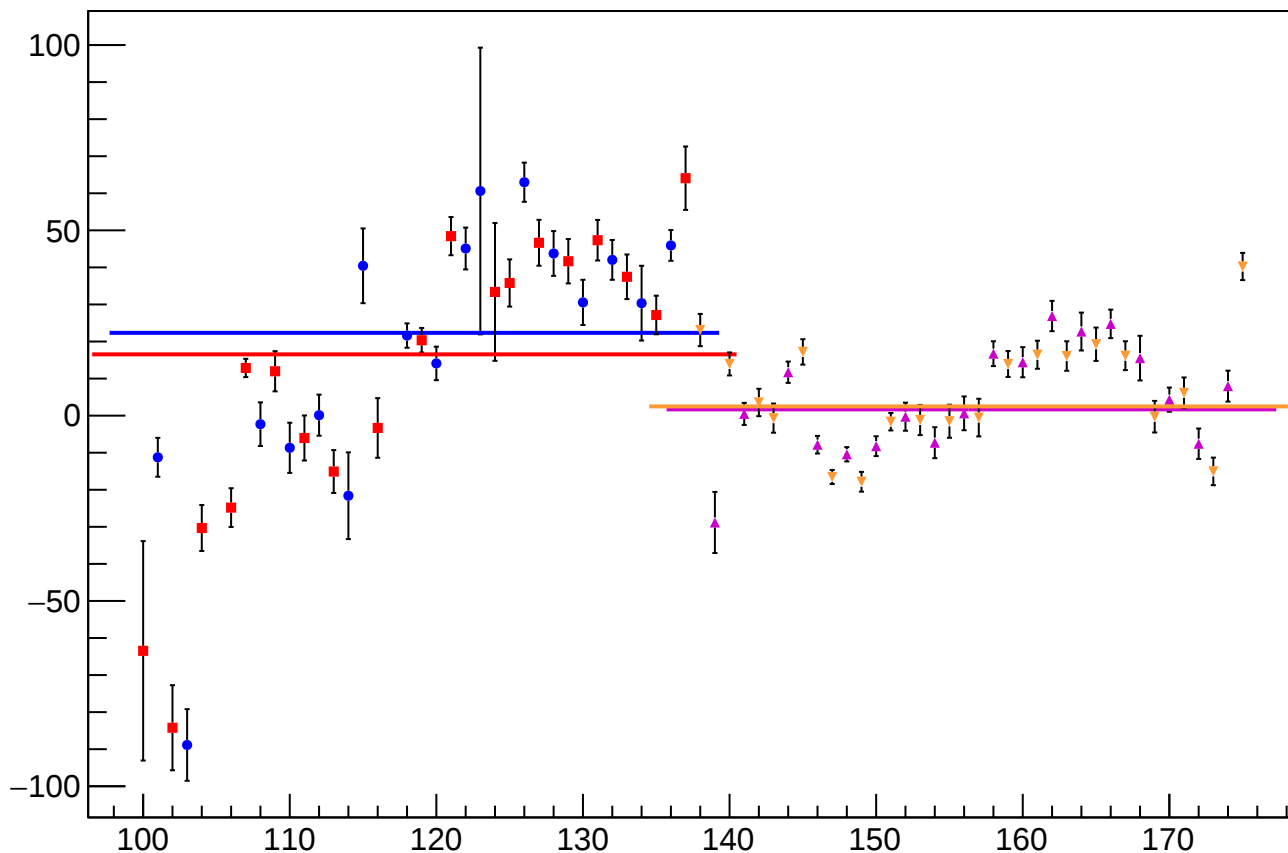
Left In: 206.792+/-1.130 χ^2/NDF :573.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 203.785+/-0.782 χ^2/NDF : 1675.3/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 ± 1.395 χ^2/NDF : 385.8/16

Left Out: 2.494 ± 0.762 χ^2/NDF : 411.7/19

Right Out: 16.537 ± 1.227 χ^2/NDF : 426.6/18

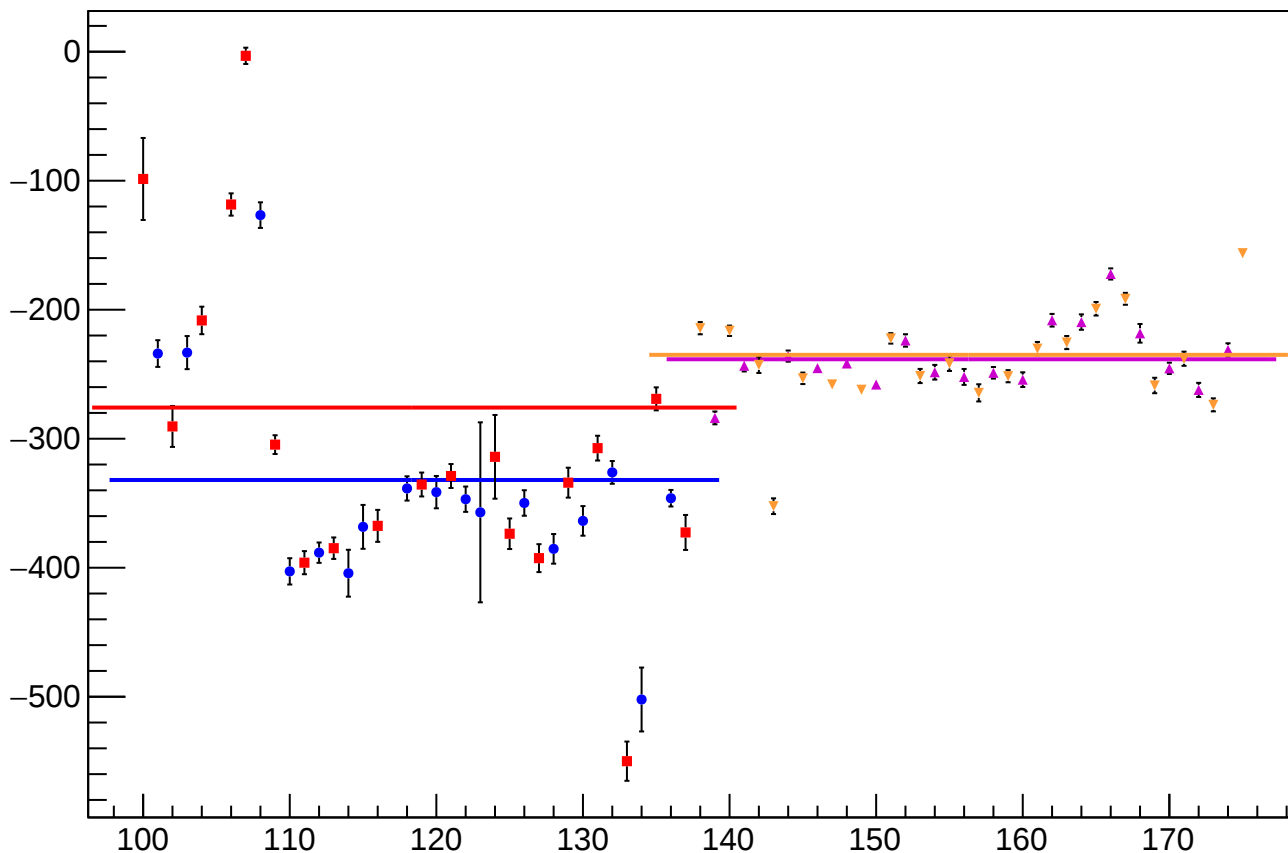
Left In: 1.694 ± 0.800 χ^2/NDF : 234.2/17

+ sign 7.056 ± 0.669 χ^2/NDF : 953.4/36

All: 6.589 ± 0.473 χ^2/NDF : 1717.8/73

- sign 6.120 ± 0.670 χ^2/NDF : 763.4/36

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 χ^2/NDF : 785.0/16

Left Out: -234.980 ± 1.075 χ^2/NDF : 1208.4/19

Right Out: -275.842 ± 2.325 χ^2/NDF : 3362.2/18

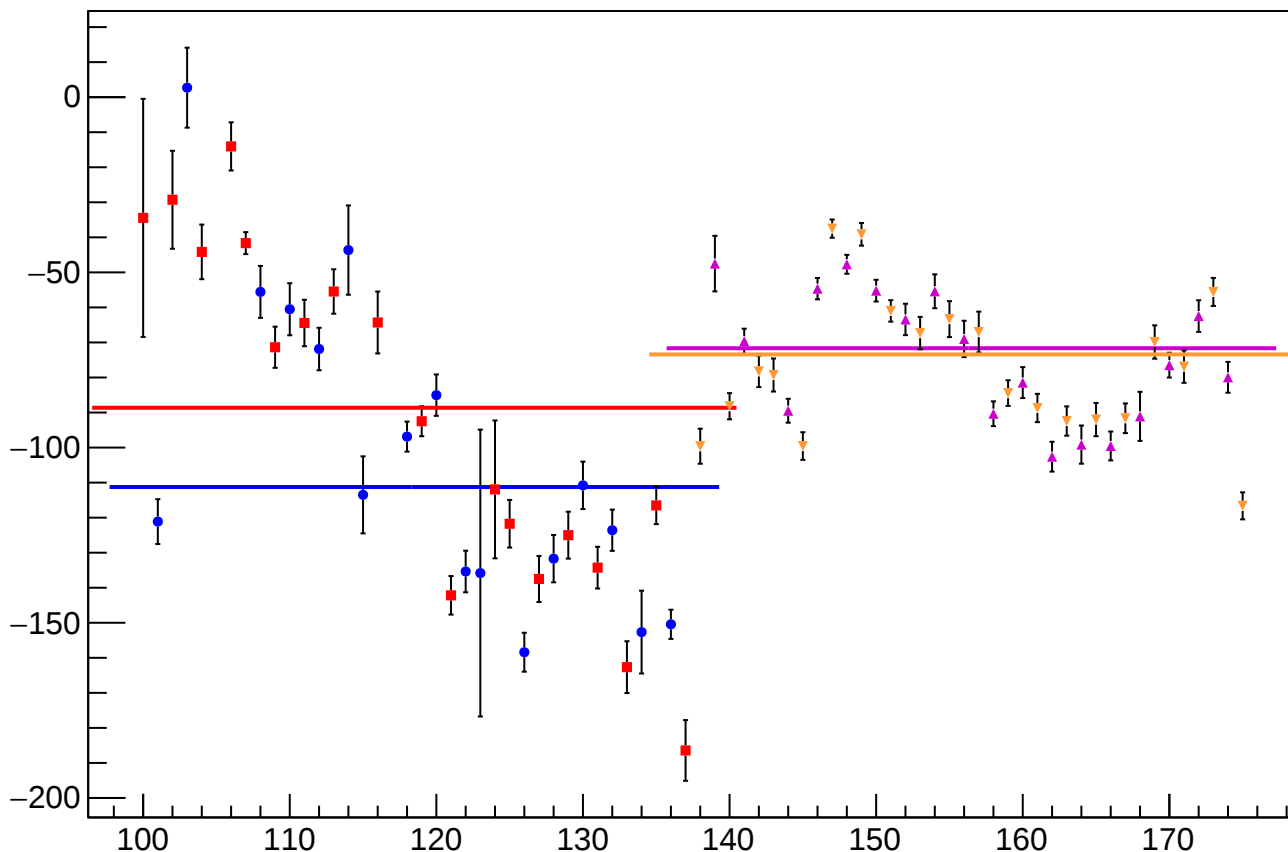
Left In: -238.419 ± 1.117 χ^2/NDF : 473.9/17

+ sign -249.322 ± 0.992 χ^2/NDF : 3198.0/36

All: -247.410 ± 0.707 χ^2/NDF : 7252.2/73

- sign -245.441 ± 1.007 χ^2/NDF : 4046.6/36

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -73.412 ± 0.895 χ^2/NDF : 641.3/19

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

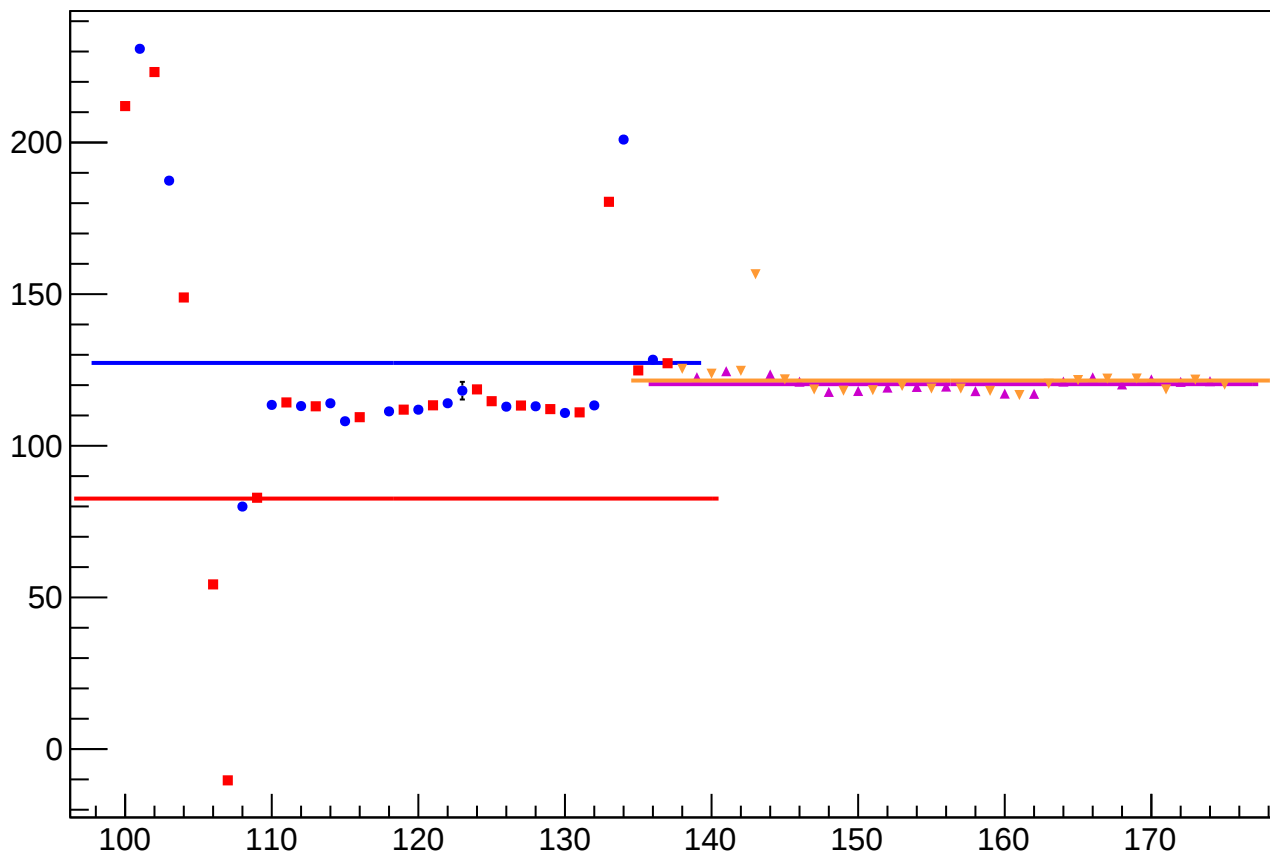
Left In: -71.654 ± 0.937 χ^2/NDF : 364.4/17

+ sign -82.451 ± 0.781 χ^2/NDF : 1578.2/36

All: -79.607 ± 0.553 χ^2/NDF : 3038.5/73

- sign -76.738 ± 0.784 χ^2/NDF : 1433.7/36

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 121.520 $\pm$ 0.043 χ^2 /NDF: 23993.1/19

Right Out: 82.595 $\pm$ 0.075 χ^2 /NDF: 765022.5/18

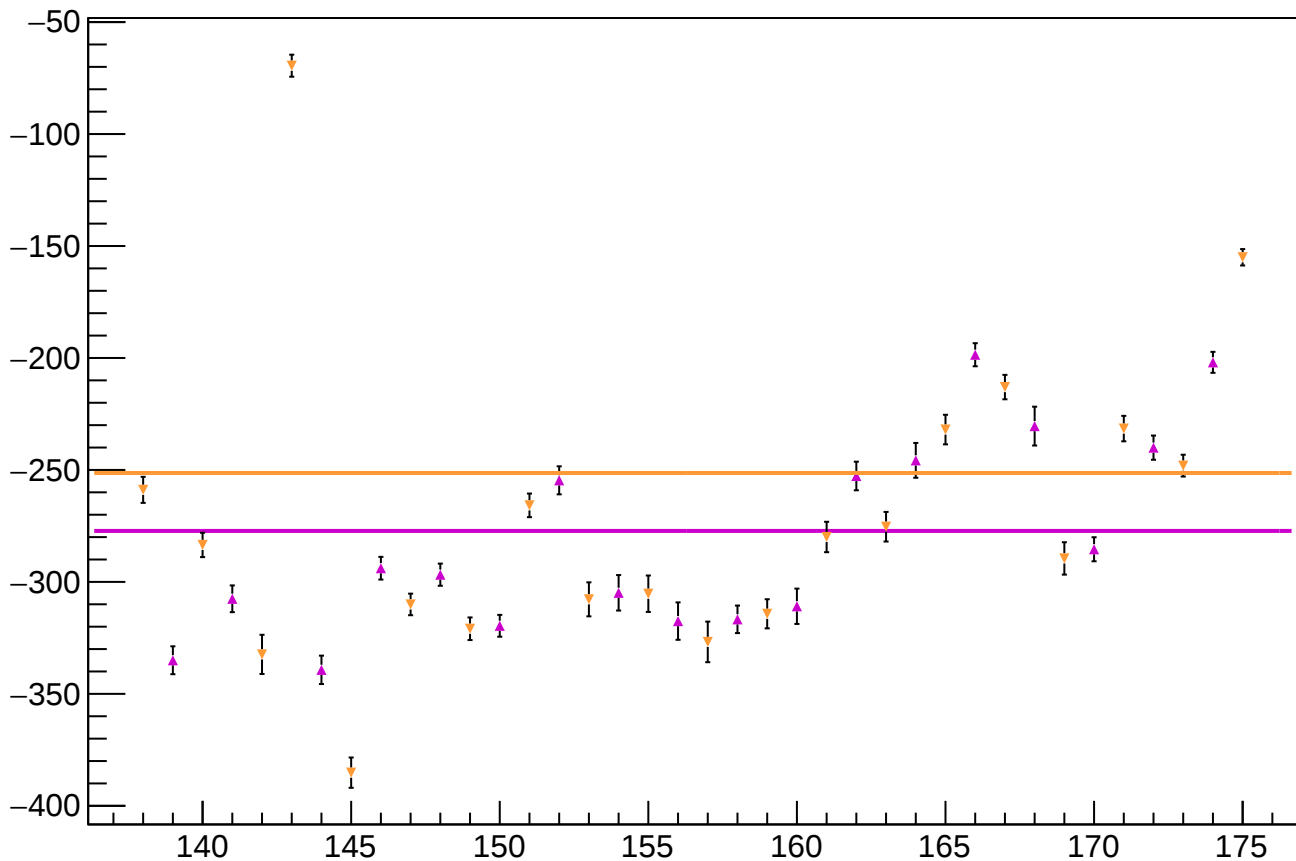
Left In: 120.322 $\pm$ 0.044 χ^2 /NDF: 2562.5/17

+ sign 122.616 $\pm$ 0.039 χ^2 /NDF: 215183.8/36

All: 116.539 $\pm$ 0.027 χ^2 /NDF: 1217401.2/73

- sign 110.731 $\pm$ 0.038 χ^2 /NDF: 954423.4/36

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -251.358+/-1.298 χ^2/NDF : 3307.2/19

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

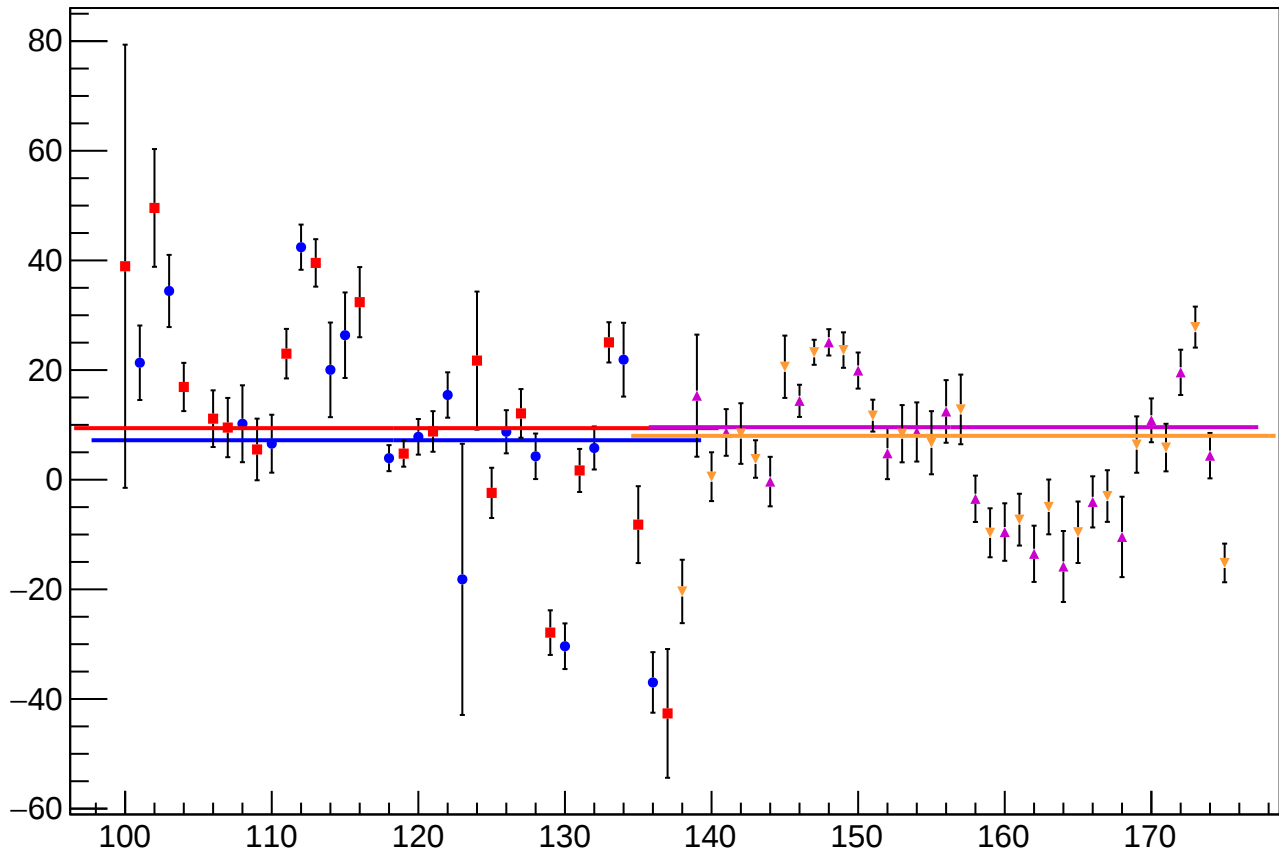
Left In: -277.233+/-1.407 χ^2/NDF : 1018.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -263.252+/-0.954 χ^2/NDF : 4508.6/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 $\pm$ 1.103 χ^2 /NDF: 260.9/16

Left Out: 8.003 $\pm$ 0.920 χ^2 /NDF:223.4/19

Right Out: 9.403 $\pm$ 1.071 χ^2 /NDF: 232.2/18

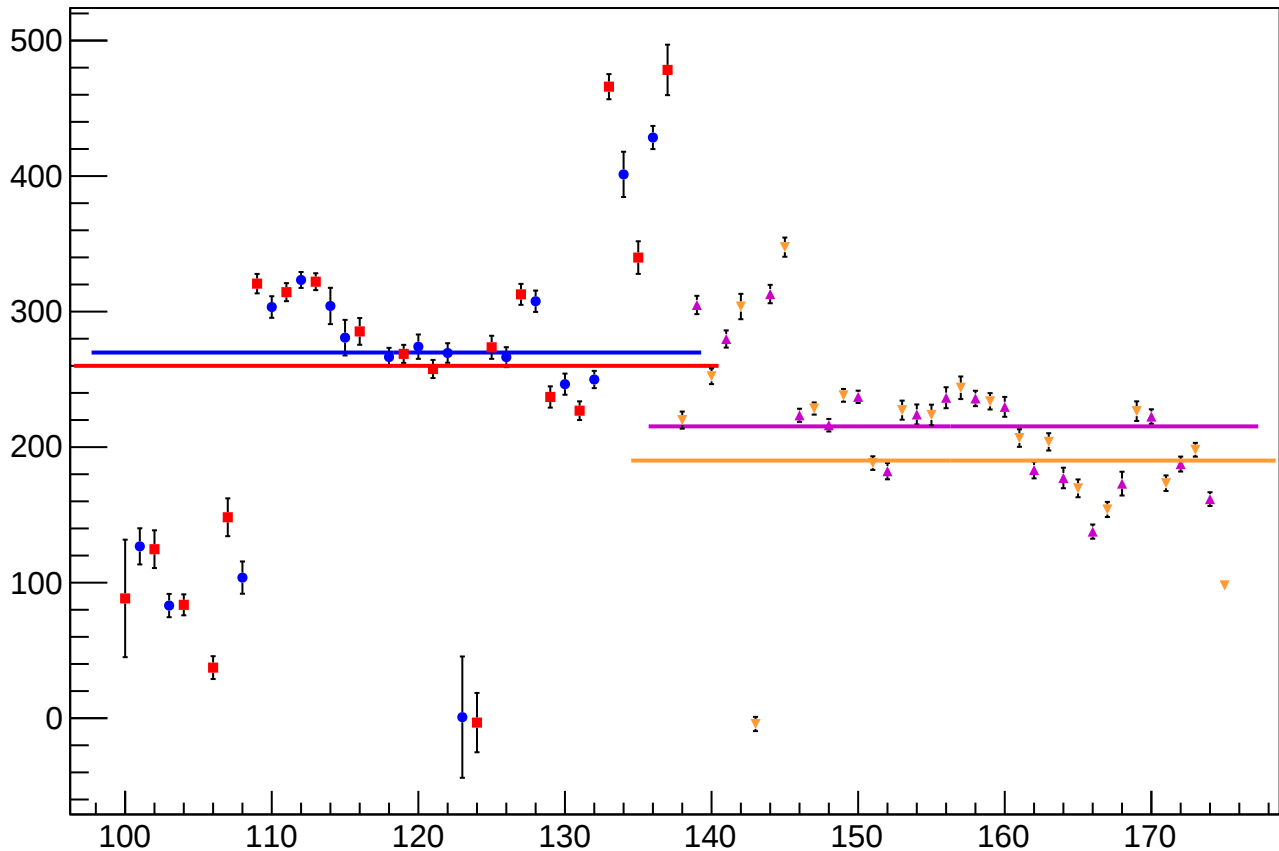
Left In: 9.582 $\pm$ 0.999 χ^2 /NDF:142.6/17

+ sign 7.673 $\pm$ 0.706 χ^2 /NDF: 484.6/36

All: 8.556 $\pm$ 0.508 χ^2 /NDF: 862.6/73

- sign 9.499 $\pm$ 0.730 χ^2 /NDF: 374.8/36

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 190.105 $\pm$ 1.288 χ^2 /NDF:3199.2/19

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

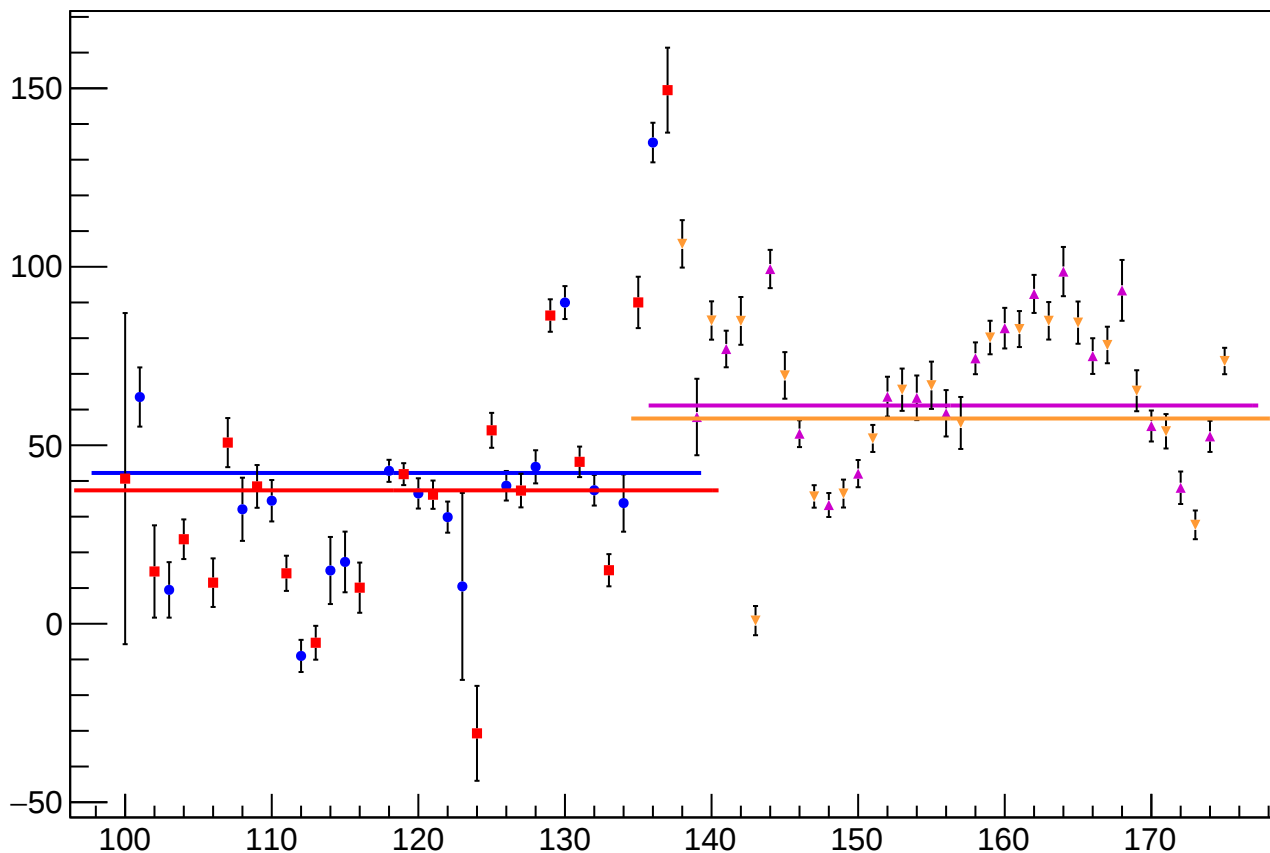
Left In: 215.312 $\pm$ 1.390 χ^2 /NDF:1001.2/17

+ sign 212.057 $\pm$ 1.096 χ^2 /NDF: 5627.9/36

All: 220.746 $\pm$ 0.789 χ^2 /NDF: 9639.7/73

- sign 230.092 $\pm$ 1.137 χ^2 /NDF: 3881.4/36

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 57.496 $\pm$ 1.075 χ^2 /NDF: 563.2/19

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

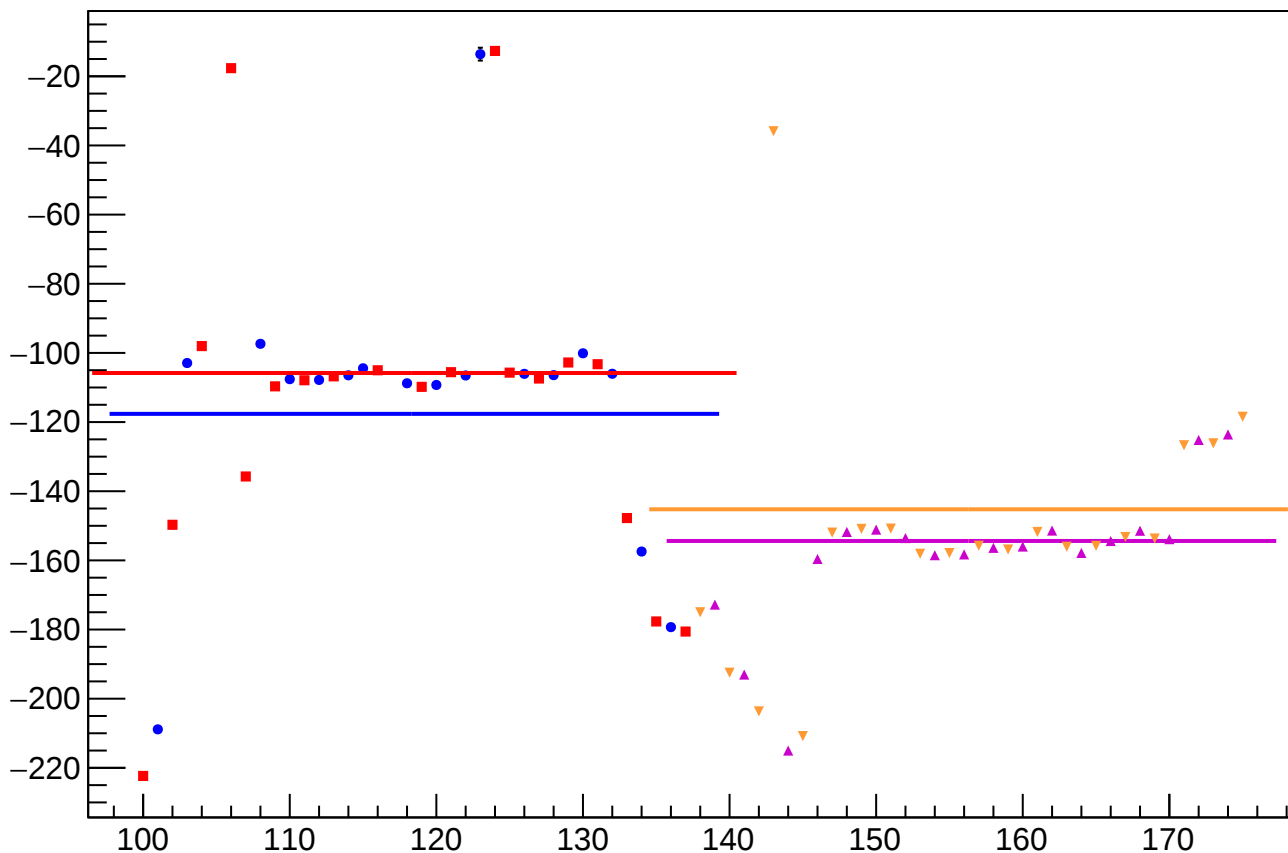
Left In: 61.138 $\pm$ 1.166 χ^2 /NDF: 299.9/17

+ sign 51.148 $\pm$ 0.822 χ^2 /NDF: 1221.4/36

All: 50.560 $\pm$ 0.590 χ^2 /NDF: 2190.7/73

- sign 49.935 $\pm$ 0.848 χ^2 /NDF: 968.3/36

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -145.225+/-0.052 χ^2/NDF : 457736.4/19

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

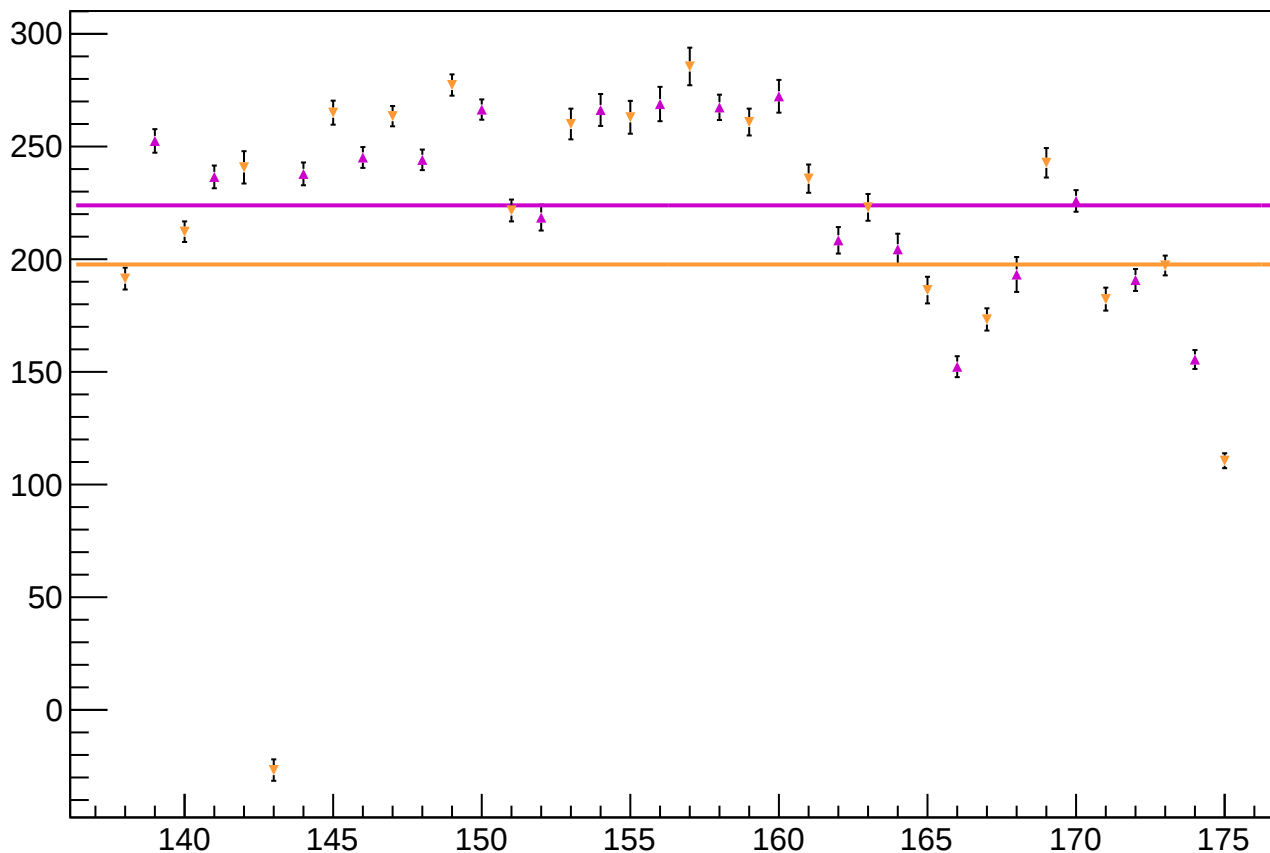
Left In: -154.386+/-0.054 χ^2/NDF : 122335.6/17

+ sign -136.819+/-0.043 χ^2/NDF : 685518.4/36

All: -136.885+/-0.031 χ^2/NDF : 1416327.1/73

- sign -136.951+/-0.044 χ^2/NDF : 730804.1/36

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 197.668+/-1.165 χ^2/NDF :4175.4/19

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

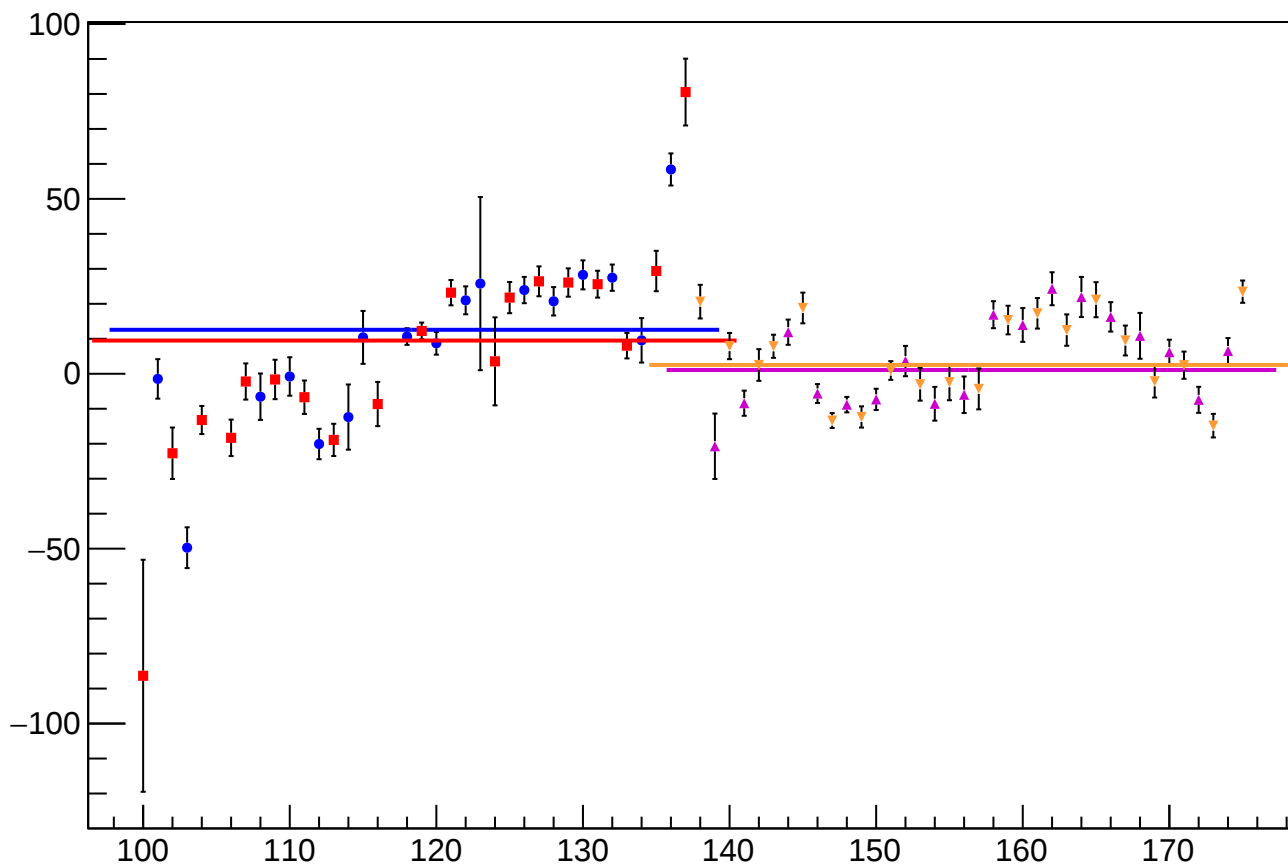
Left In: 223.893+/-1.257 χ^2/NDF :930.1/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 209.784+/-0.854 χ^2/NDF : 5339.7/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 2.519 $\pm$ 0.833 χ^2 /NDF:229.8/19

Right Out: 9.493 $\pm$ 1.047 χ^2 /NDF: 295.8/18

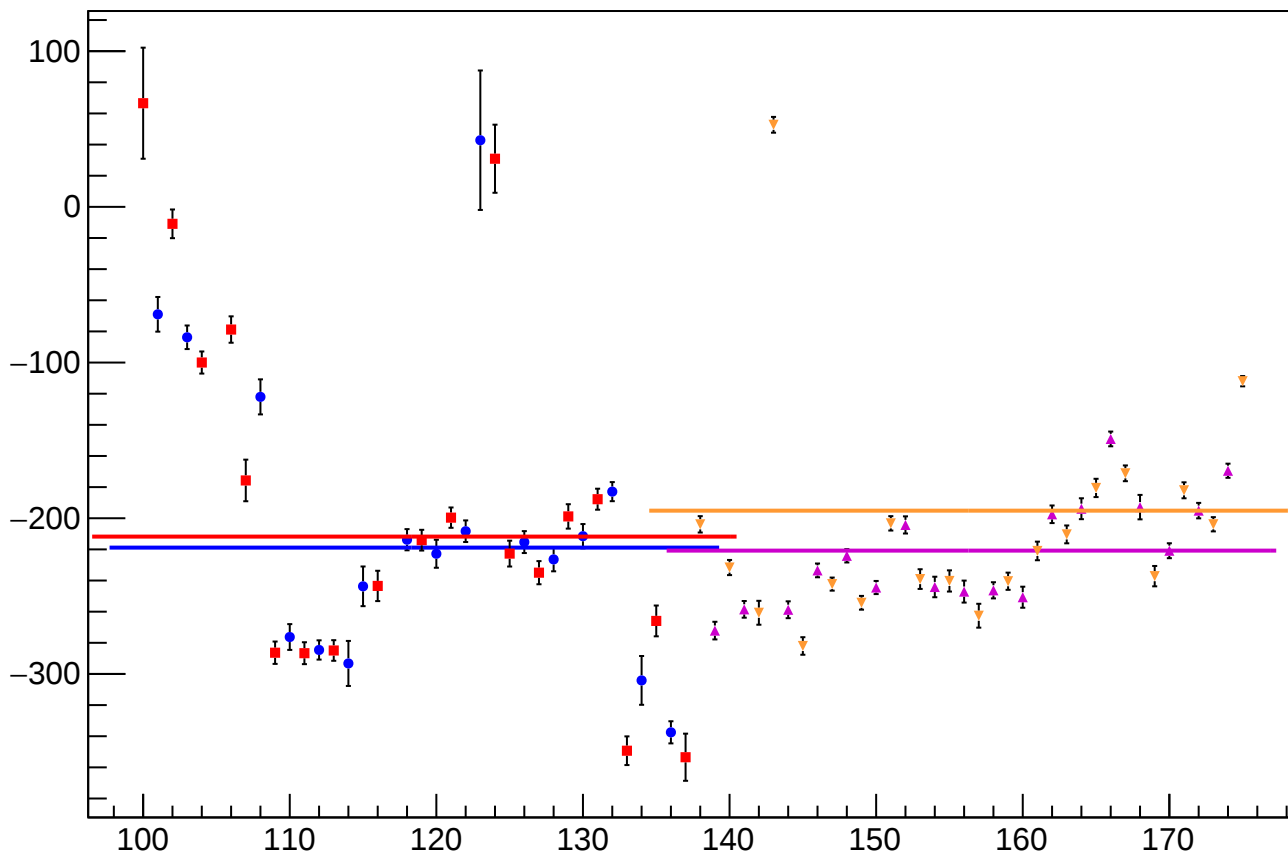
Left In: 1.077 $\pm$ 0.899 χ^2 /NDF:147.5/17

+ sign 6.293 $\pm$ 0.658 χ^2 /NDF: 632.6/36

All: 5.500 $\pm$ 0.474 χ^2 /NDF: 1116.1/73

- sign 4.647 $\pm$ 0.682 χ^2 /NDF: 480.5/36

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -195.122 ± 1.159 $\chi^2/\text{NDF}: 4038.0/19$

Right Out: -211.780 ± 1.924 $\chi^2/\text{NDF}: 1885.2/18$

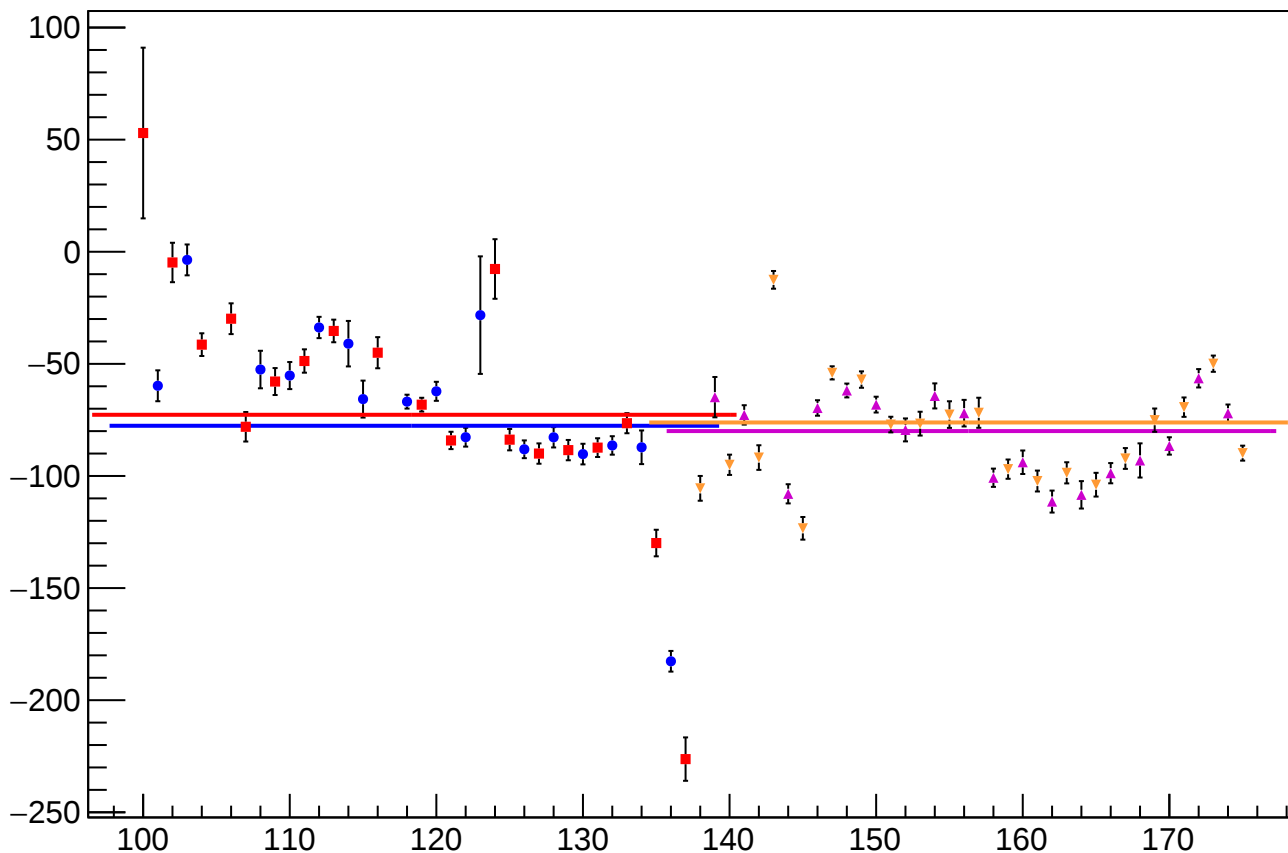
Left In: -220.784 ± 1.246 $\chi^2/\text{NDF}: 730.0/17$

+ sign -200.992 ± 1.006 $\chi^2/\text{NDF}: 5288.2/36$

All: -209.225 ± 0.725 $\chi^2/\text{NDF}: 8058.1/73$

- sign -218.123 ± 1.046 $\chi^2/\text{NDF}: 2630.6/36$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 $\chi^2/\text{NDF}: 815.9/16$

Left Out: -76.137 ± 0.971 $\chi^2/\text{NDF}: 673.7/19$

Right Out: -72.710 ± 1.206 $\chi^2/\text{NDF}: 671.4/18$

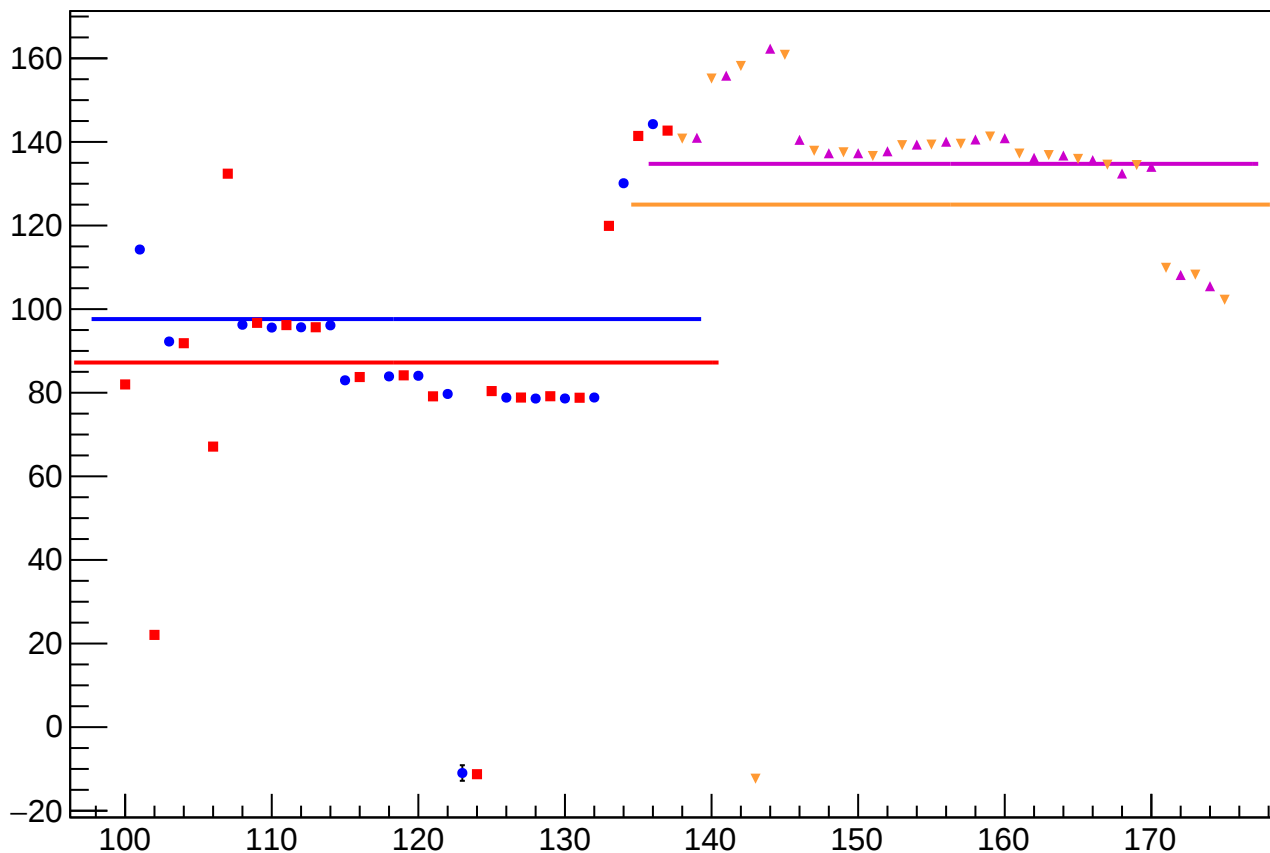
Left In: -79.975 ± 1.048 $\chi^2/\text{NDF}: 268.8/17$

+ sign -76.700 ± 0.764 $\chi^2/\text{NDF}: 1490.4/36$

All: -76.773 ± 0.549 $\chi^2/\text{NDF}: 2451.4/73$

- sign -76.851 ± 0.791 $\chi^2/\text{NDF}: 960.9/36$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 125.009 $\pm$ 0.047 χ^2 /NDF: 598744.9/19

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

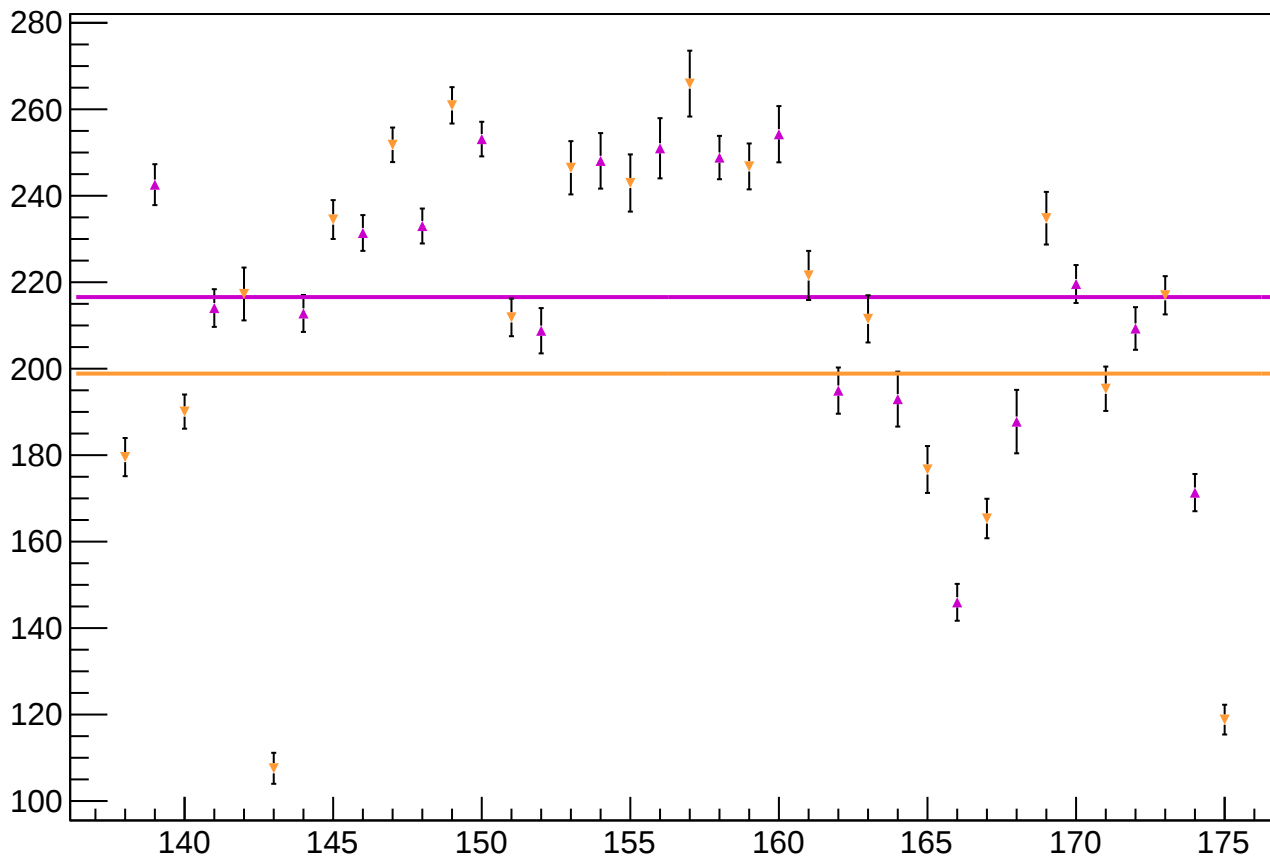
Left In: 134.757 $\pm$ 0.049 χ^2 /NDF: 82306.4/17

+ sign 117.158 $\pm$ 0.039 χ^2 /NDF: 791279.0/36

All: 117.913 $\pm$ 0.028 χ^2 /NDF: 1415930.9/73

- sign 118.678 $\pm$ 0.040 χ^2 /NDF: 623914.6/36

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: 198.863+/-1.060 χ^2/NDF : 2093.7/19

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

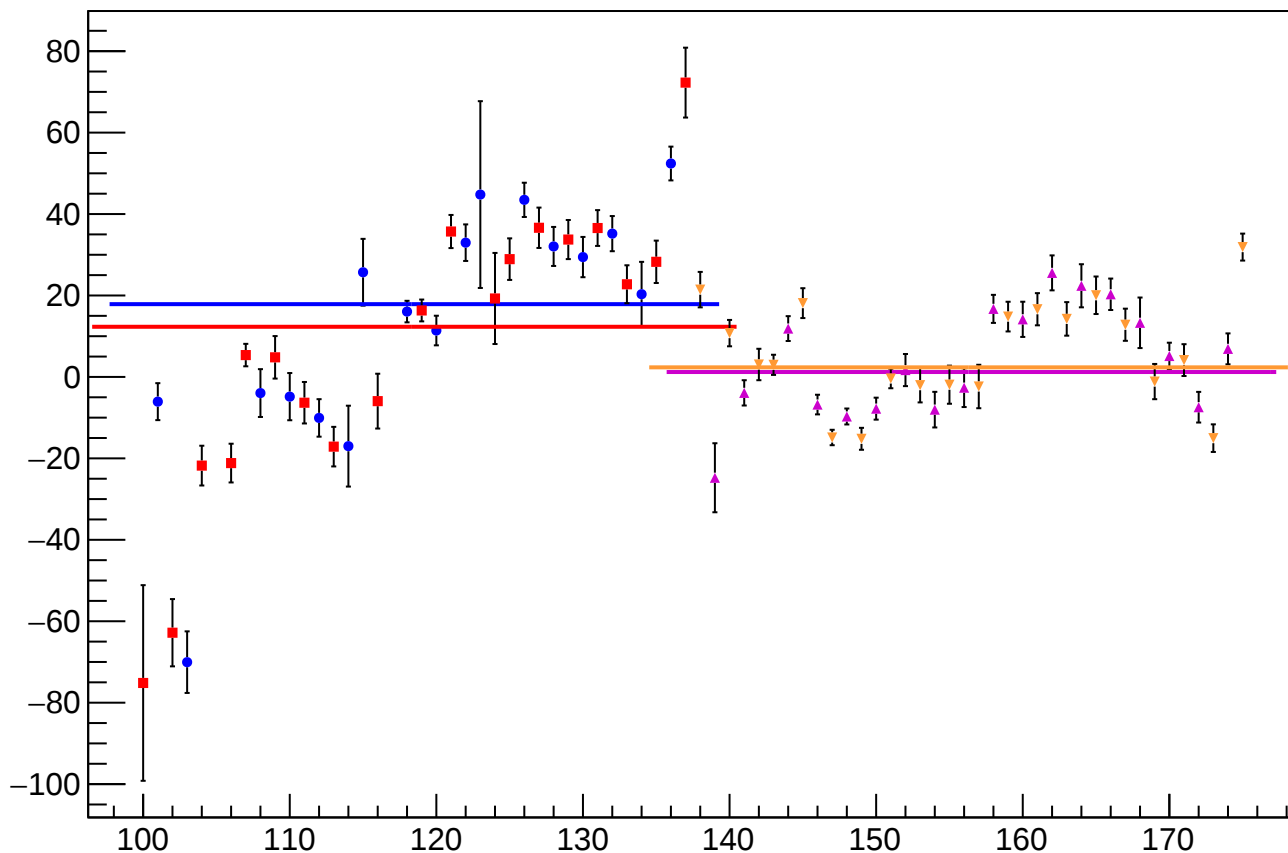
Left In: 216.565+/-1.148 χ^2/NDF : 702.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 207.012+/-0.779 χ^2/NDF : 2924.8/37

- 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: 2.352 $\pm$ 0.748 χ^2 /NDF: 335.2/19

Right Out: 12.317 $\pm$ 1.083 χ^2 /NDF: 444.0/18

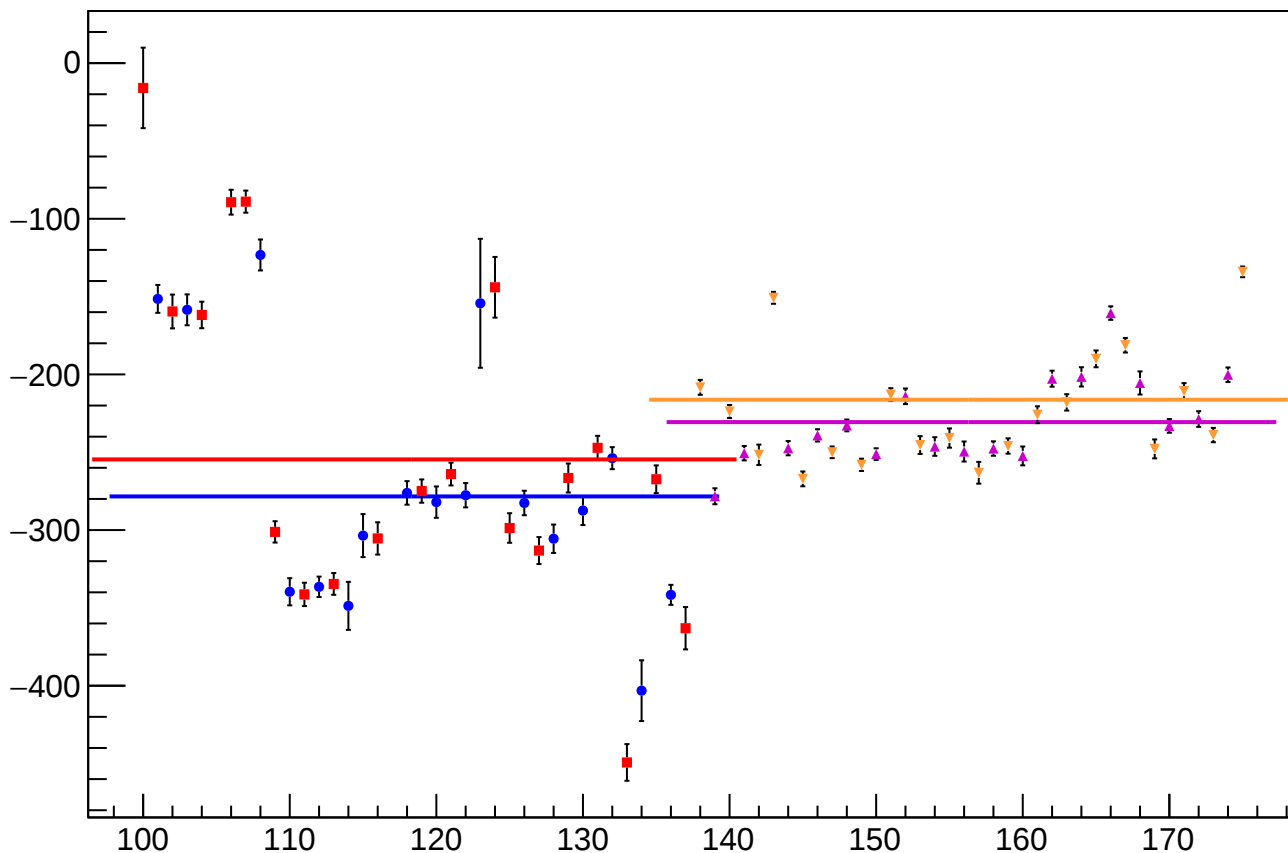
Left In: 1.205 $\pm$ 0.814 χ^2 /NDF: 197.3/17

+ sign 6.880 $\pm$ 0.630 χ^2 /NDF: 856.1/36

All: 6.073 $\pm$ 0.452 χ^2 /NDF: 1568.1/73

- sign 5.213 $\pm$ 0.651 χ^2 /NDF: 708.6/36

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: -216.241 ± 1.057 χ^2/NDF : 1467.8/19

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

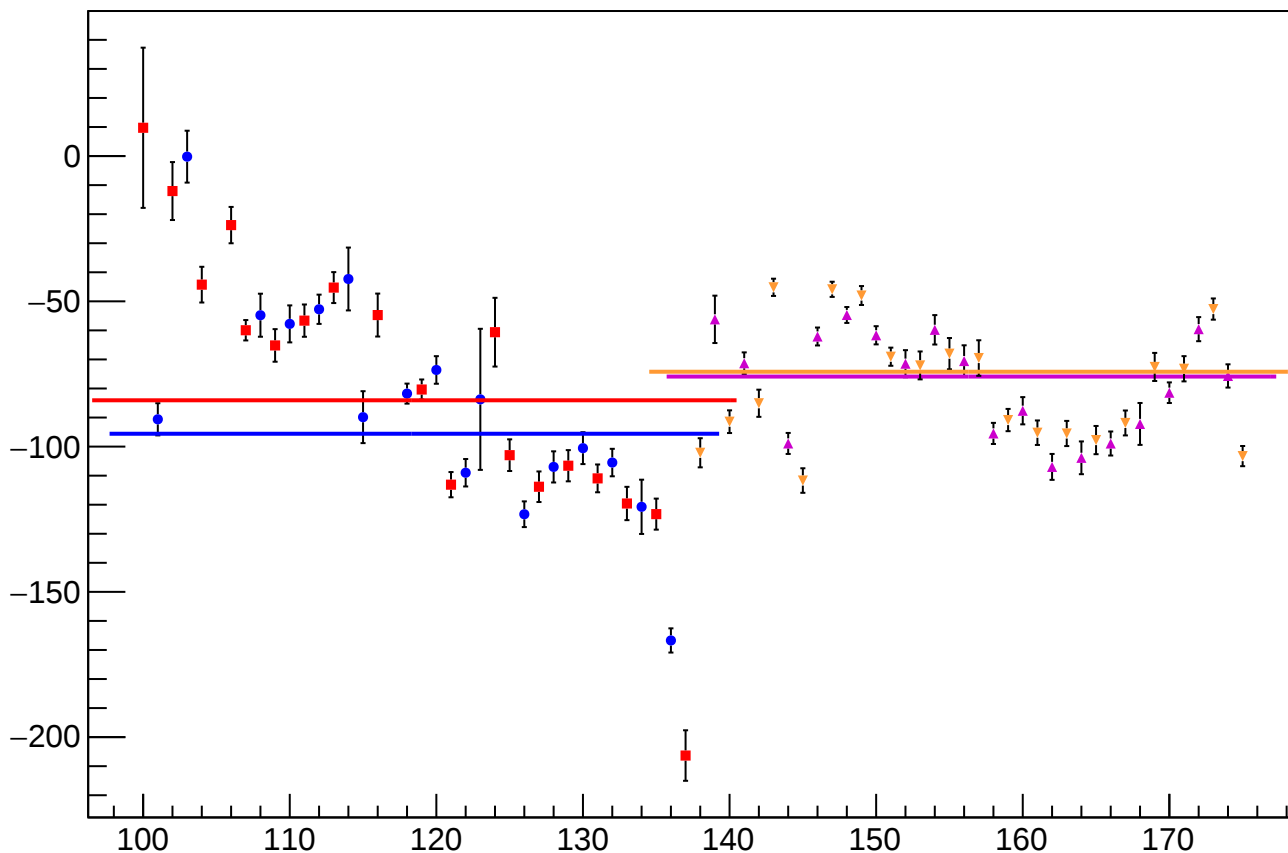
Left In: -230.636 ± 1.136 χ^2/NDF : 572.1/17

+ sign -228.021 ± 0.951 χ^2/NDF : 3034.0/36

All: -232.041 ± 0.686 χ^2/NDF : 5787.7/73

- sign -236.393 ± 0.990 χ^2/NDF : 2716.6/36

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: -74.231 ± 0.878 χ^2/NDF : 630.9/19

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

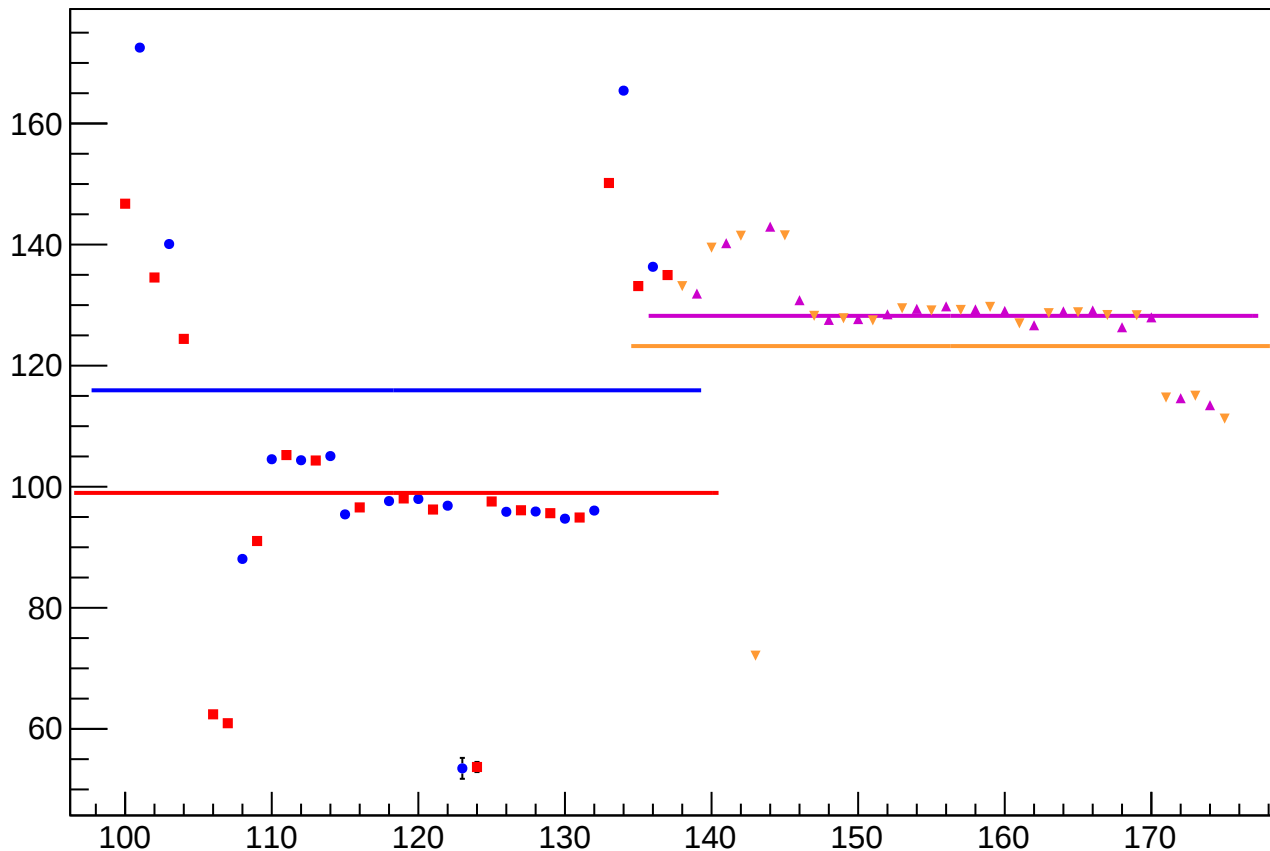
Left In: -75.893 ± 0.952 χ^2/NDF : 322.9/17

+ sign -80.640 ± 0.735 χ^2/NDF : 1479.6/36

All: -79.785 ± 0.528 χ^2/NDF : 2615.3/73

- sign -78.872 ± 0.759 χ^2/NDF : 1132.9/36

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: 123.233 $\pm$ 0.043 χ^2 /NDF:154291.4/19

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

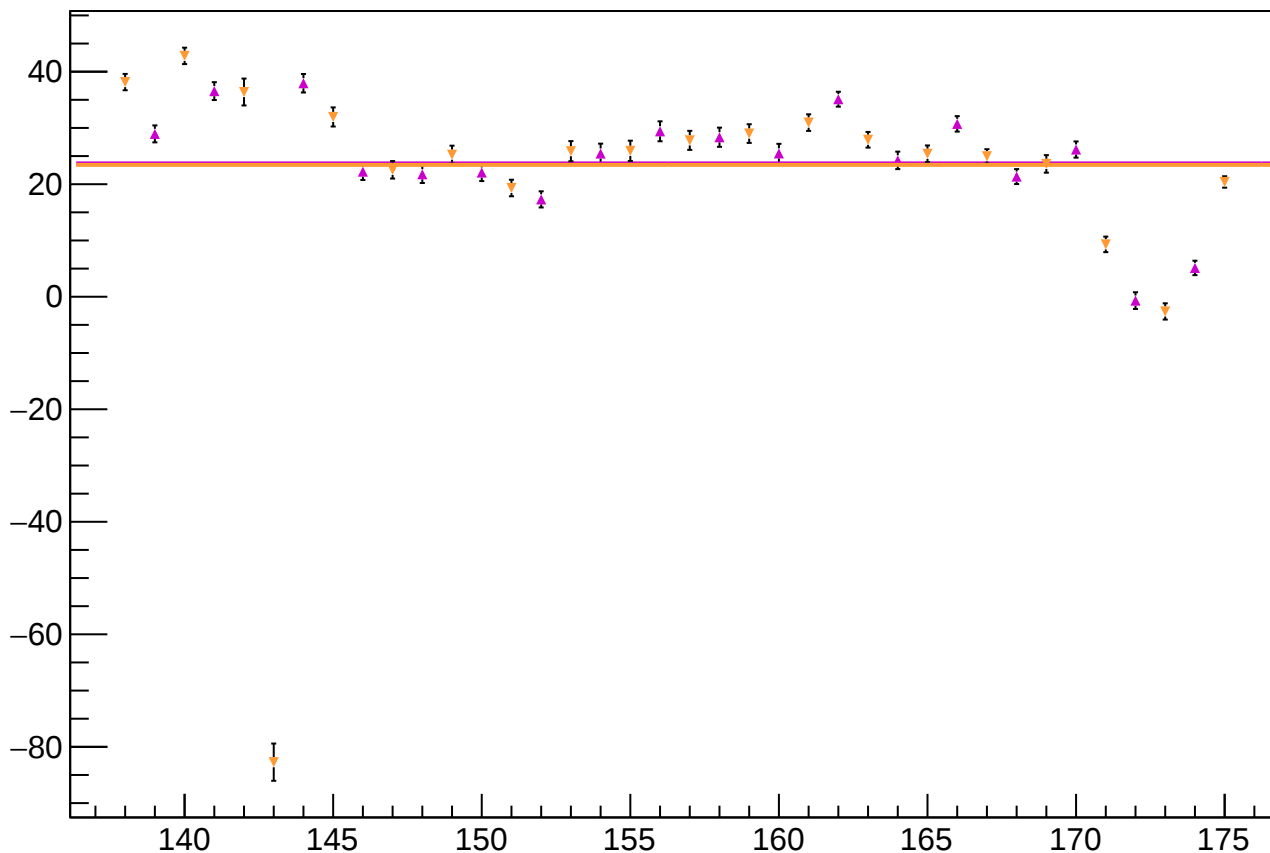
Left In: 128.227 $\pm$ 0.045 χ^2 /NDF:23853.2/17

+ sign 121.571 $\pm$ 0.037 χ^2 /NDF: 266788.0/36

All: 120.540 $\pm$ 0.026 χ^2 /NDF: 592879.2/73

- sign 119.507 $\pm$ 0.037 χ^2 /NDF: 324569.5/36

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



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

Left Out: 23.438 $\pm$ 0.341 χ^2 /NDF:1870.2/19

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

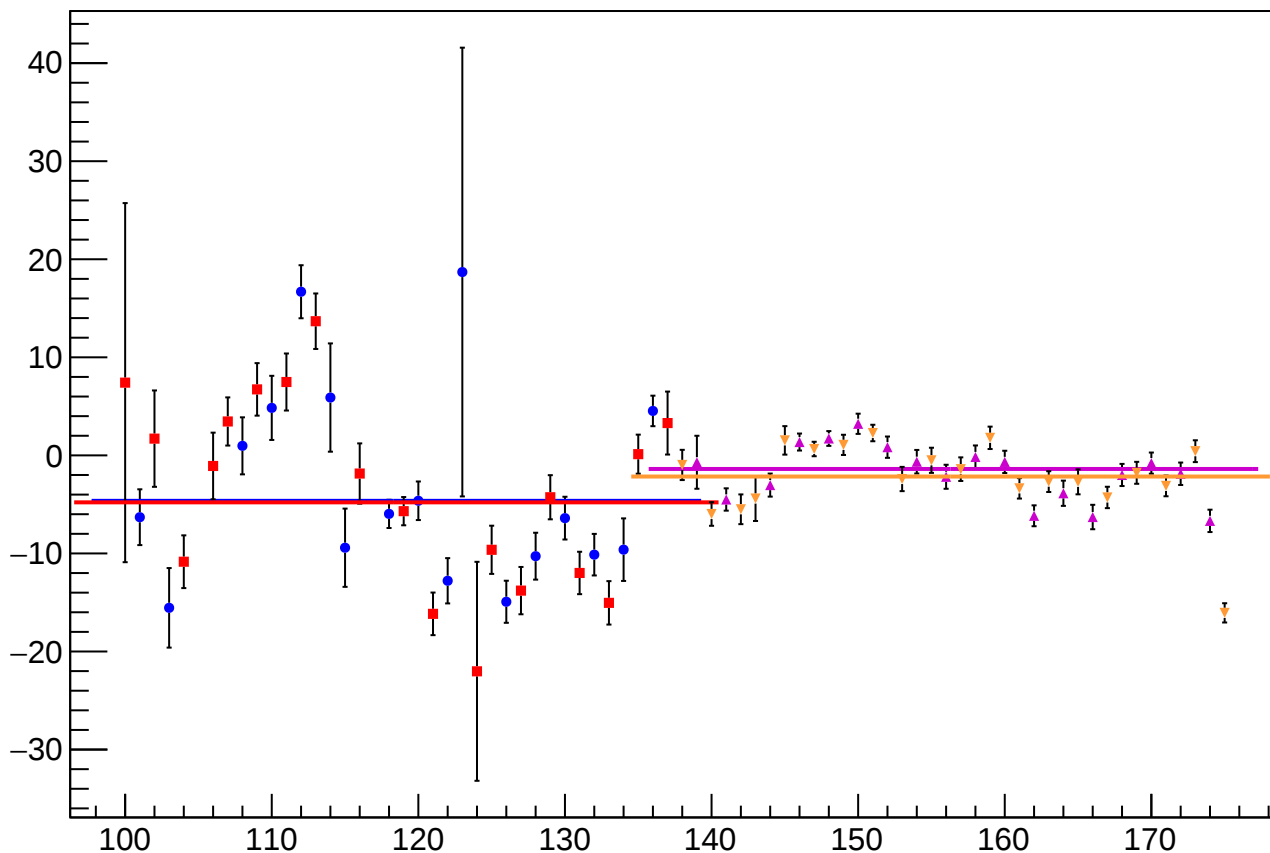
Left In: 23.697 $\pm$ 0.355 χ^2 /NDF:782.2/17

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

All: 23.562 $\pm$ 0.246 χ^2 /NDF: 2652.7/37

- sign 0.000 $\pm$ 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: -2.157 ± 0.251 χ^2/NDF : 301.7/19

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

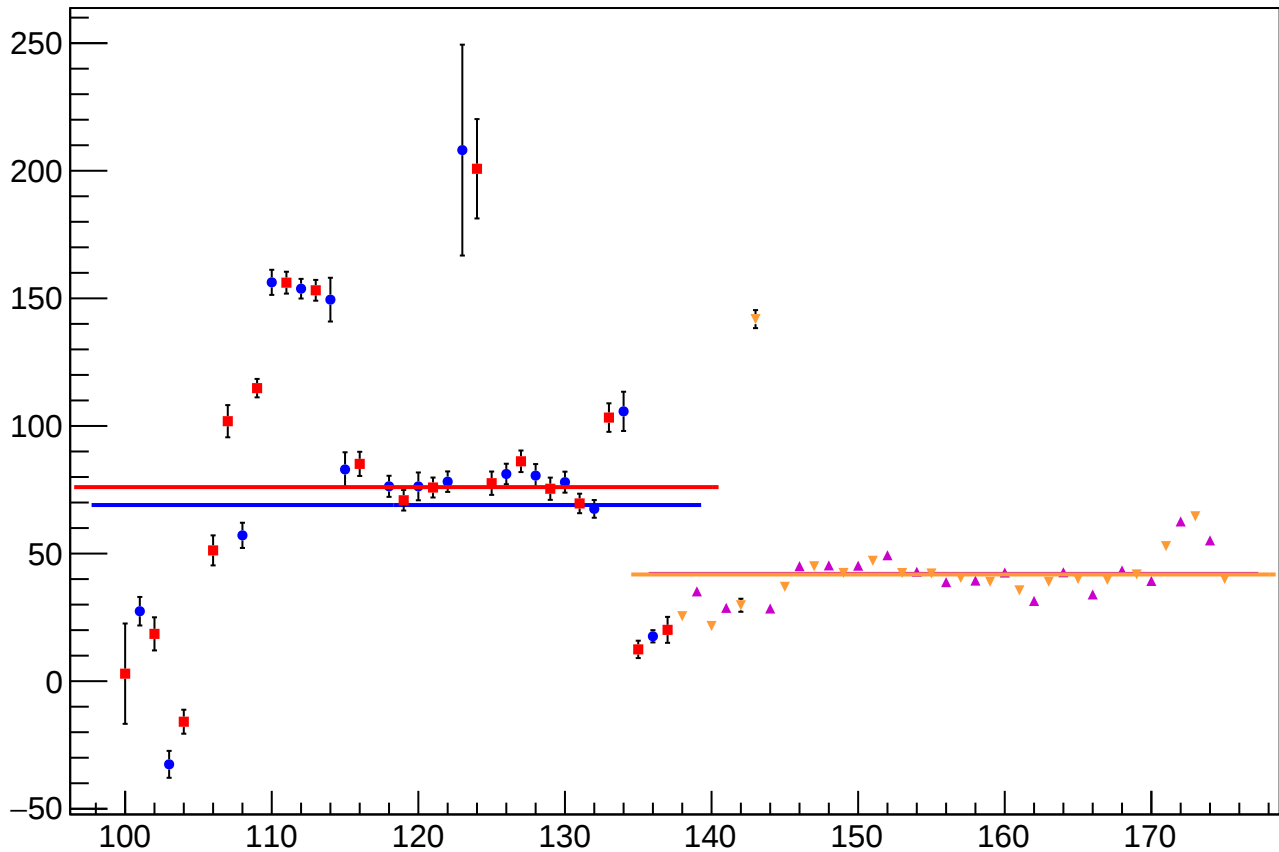
Left In: -1.386 ± 0.261 χ^2/NDF : 124.6/17

+ sign -2.539 ± 0.231 χ^2/NDF : 491.2/36

All: -2.255 ± 0.166 χ^2/NDF : 839.8/73

- sign -1.952 ± 0.238 χ^2/NDF : 345.4/36

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019+/-1.083 χ^2 /NDF: 1848.0/16

Left Out: 41.810+/-0.337 χ^2 /NDF: 1455.4/19

Right Out: 76.041+/-1.070 χ^2 /NDF: 1881.9/18

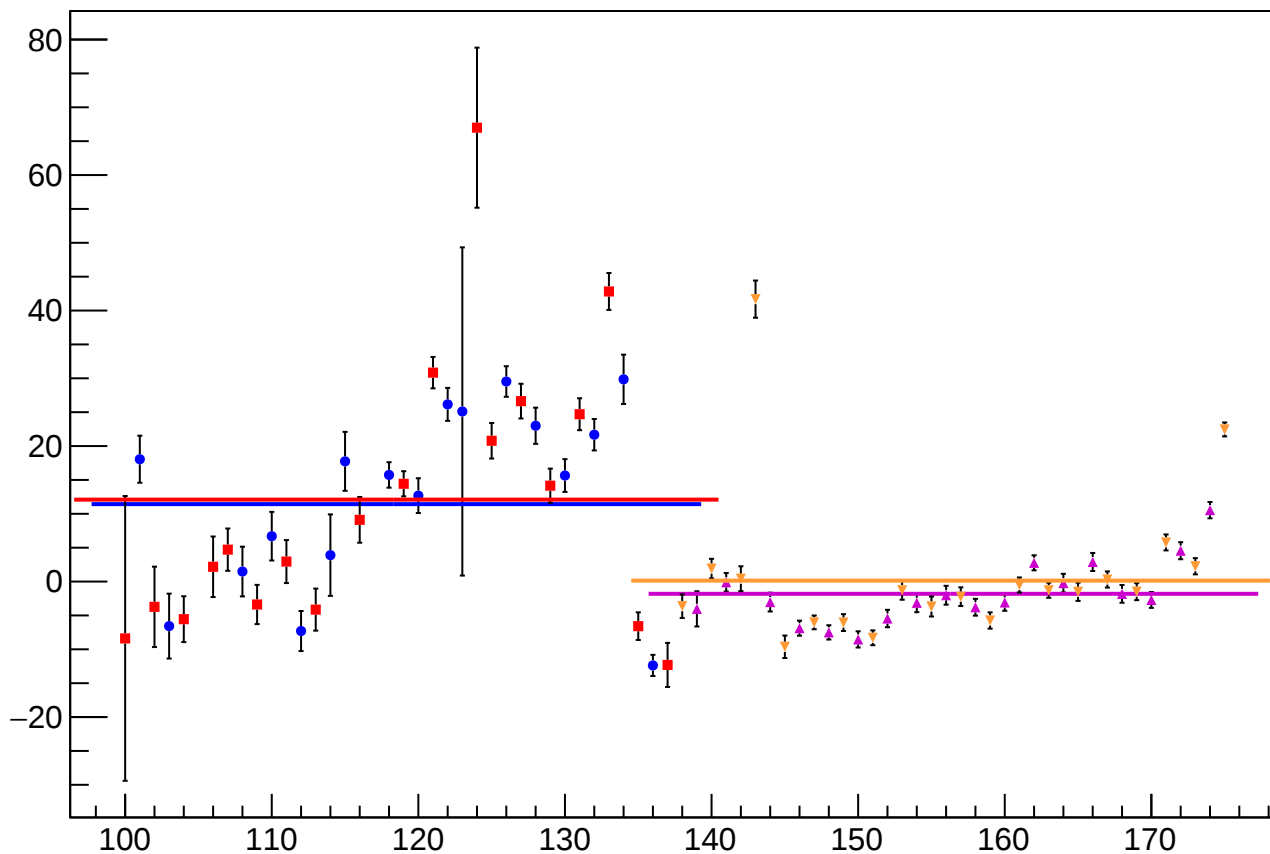
Left In: 42.034+/-0.351 χ^2 /NDF: 569.3/17

+ sign 44.212+/-0.322 χ^2 /NDF: 3878.5/36

All: 44.753+/-0.232 χ^2 /NDF: 7247.8/73

- sign 45.333+/-0.333 χ^2 /NDF: 3363.5/36

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428+/-0.665 χ^2/NDF : 476.8/16

Left Out: 0.140+/-0.287 χ^2/NDF : 929.3/19

Right Out: 12.095+/-0.664 χ^2/NDF : 539.1/18

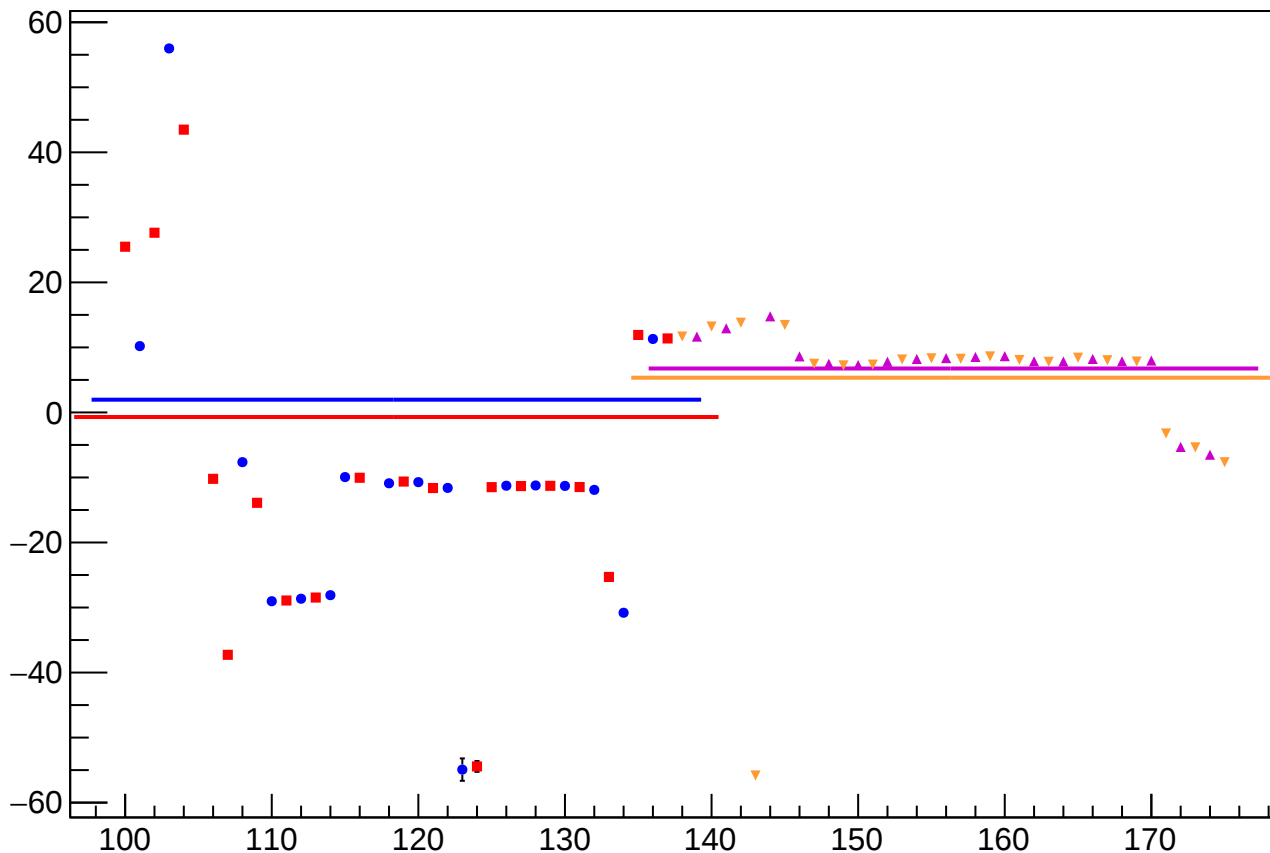
Left In: -1.809+/-0.300 χ^2/NDF : 260.1/17

+ sign 1.912+/-0.264 χ^2/NDF : 1648.7/36

All: 1.255+/-0.190 χ^2/NDF : 2825.0/73

- sign 0.548+/-0.273 χ^2/NDF : 1163.5/36

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 ± 0.037 $\chi^2/\text{NDF}: 358457.0/16$

Left Out: 5.340 ± 0.013 $\chi^2/\text{NDF}: 396024.4/19$

Right Out: -0.704 ± 0.037 $\chi^2/\text{NDF}: 361168.6/18$

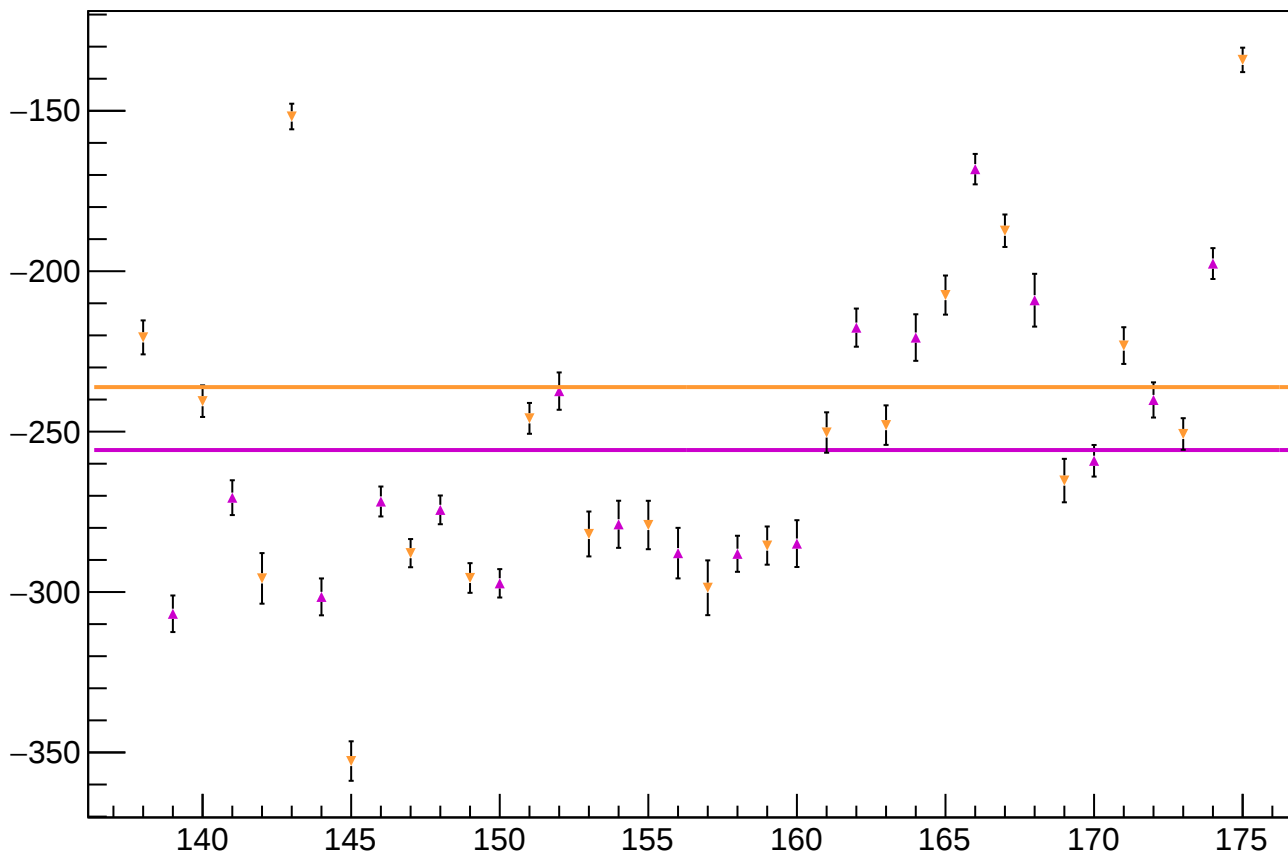
Left In: 6.757 ± 0.014 $\chi^2/\text{NDF}: 152782.8/17$

+ sign 4.955 ± 0.013 $\chi^2/\text{NDF}: 761819.1/36$

All: 5.408 ± 0.009 $\chi^2/\text{NDF}: 1314060.9/73$

- sign 5.877 ± 0.013 $\chi^2/\text{NDF}: 549584.2/36$

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: -236.121+/-1.209 χ^2/NDF : 2250.9/19

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

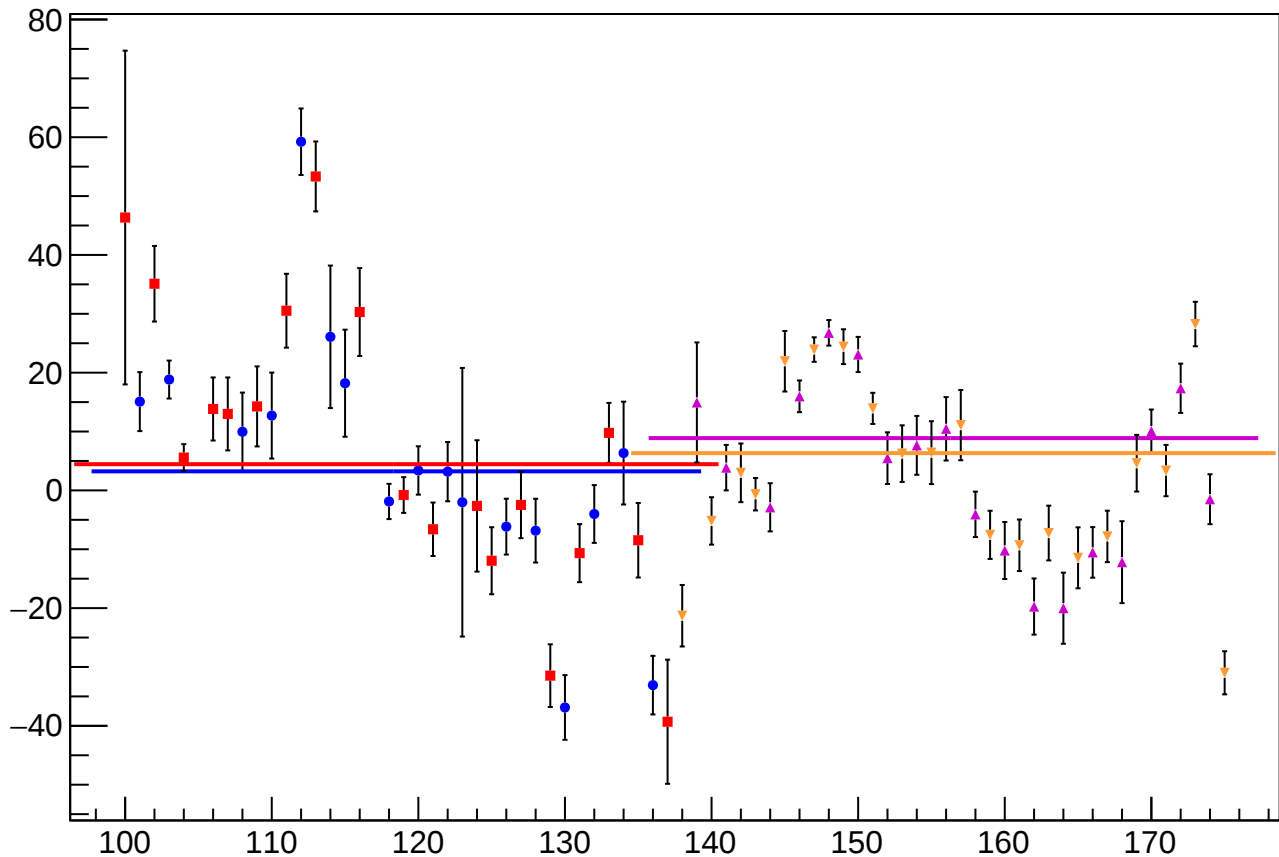
Left In: -255.740+/-1.312 χ^2/NDF : 946.0/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -245.129+/-0.889 χ^2/NDF : 3317.8/37

- 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: 6.333 ± 0.848 χ^2/NDF : 363.1/19

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

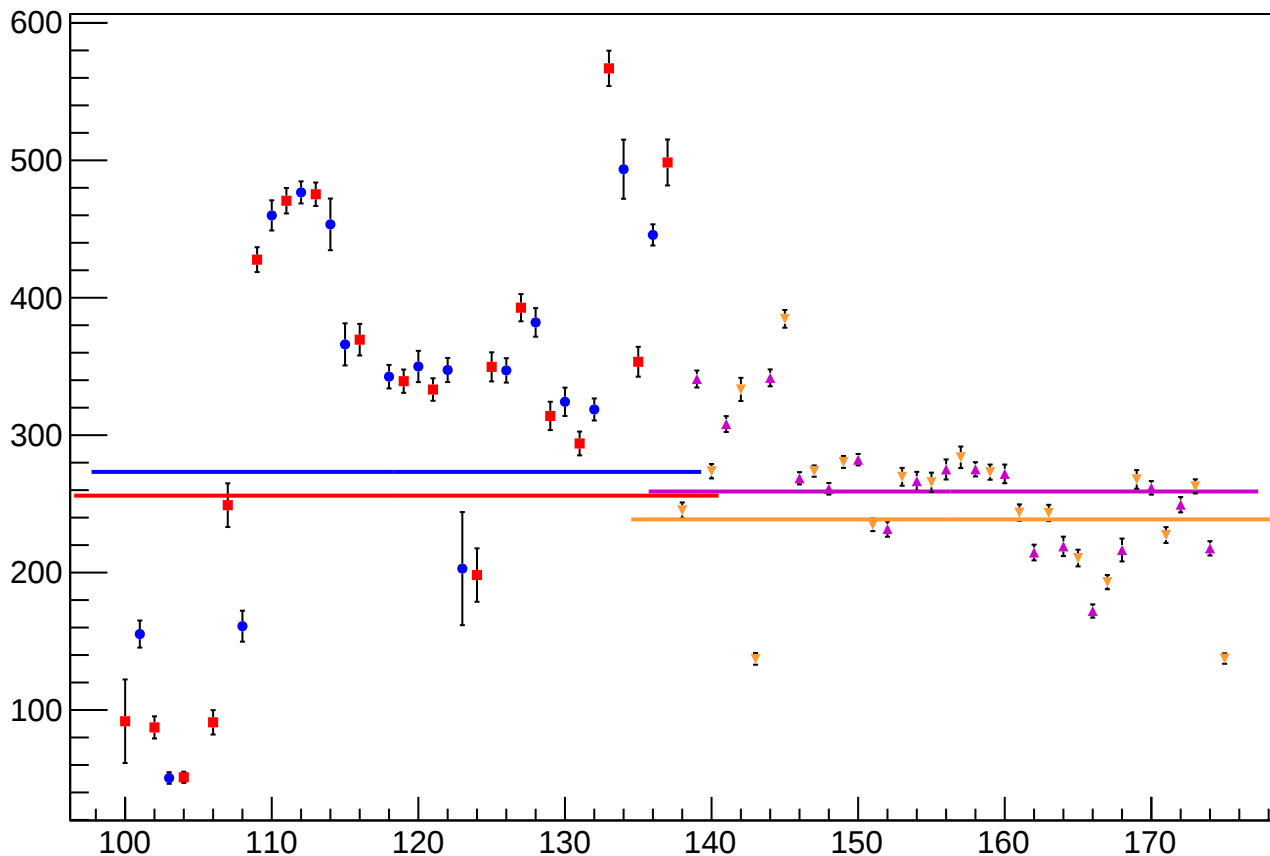
Left In: 8.882 ± 0.925 χ^2/NDF : 234.0/17

+ sign 5.350 ± 0.701 χ^2/NDF : 622.6/36

All: 6.224 ± 0.503 χ^2/NDF : 1094.4/73

- sign 7.153 ± 0.723 χ^2/NDF : 468.7/36

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 ± 2.205 χ^2/NDF : 5101.5/16

Left Out: 238.696 ± 1.201 χ^2/NDF : 2381.6/19

Right Out: 255.985 ± 2.080 χ^2/NDF : 6438.4/18

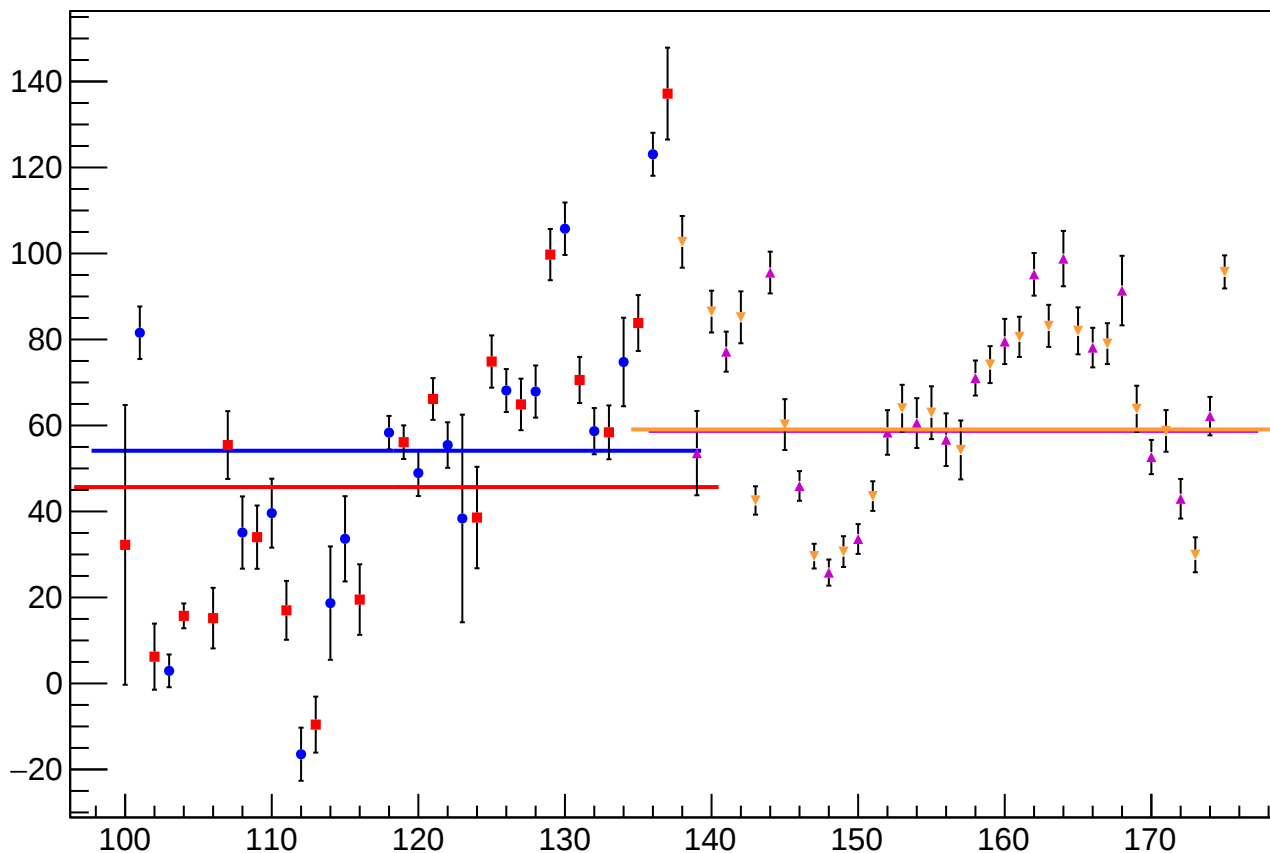
Left In: 259.008 ± 1.294 χ^2/NDF : 1016.5/17

+ sign 246.611 ± 1.055 χ^2/NDF : 7672.8/36

All: 252.151 ± 0.761 χ^2/NDF : 15186.8/73

- sign 258.164 ± 1.099 χ^2/NDF : 7456.5/36

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: 59.070 $\pm$ 0.996 χ^2 /NDF: 554.5/19

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

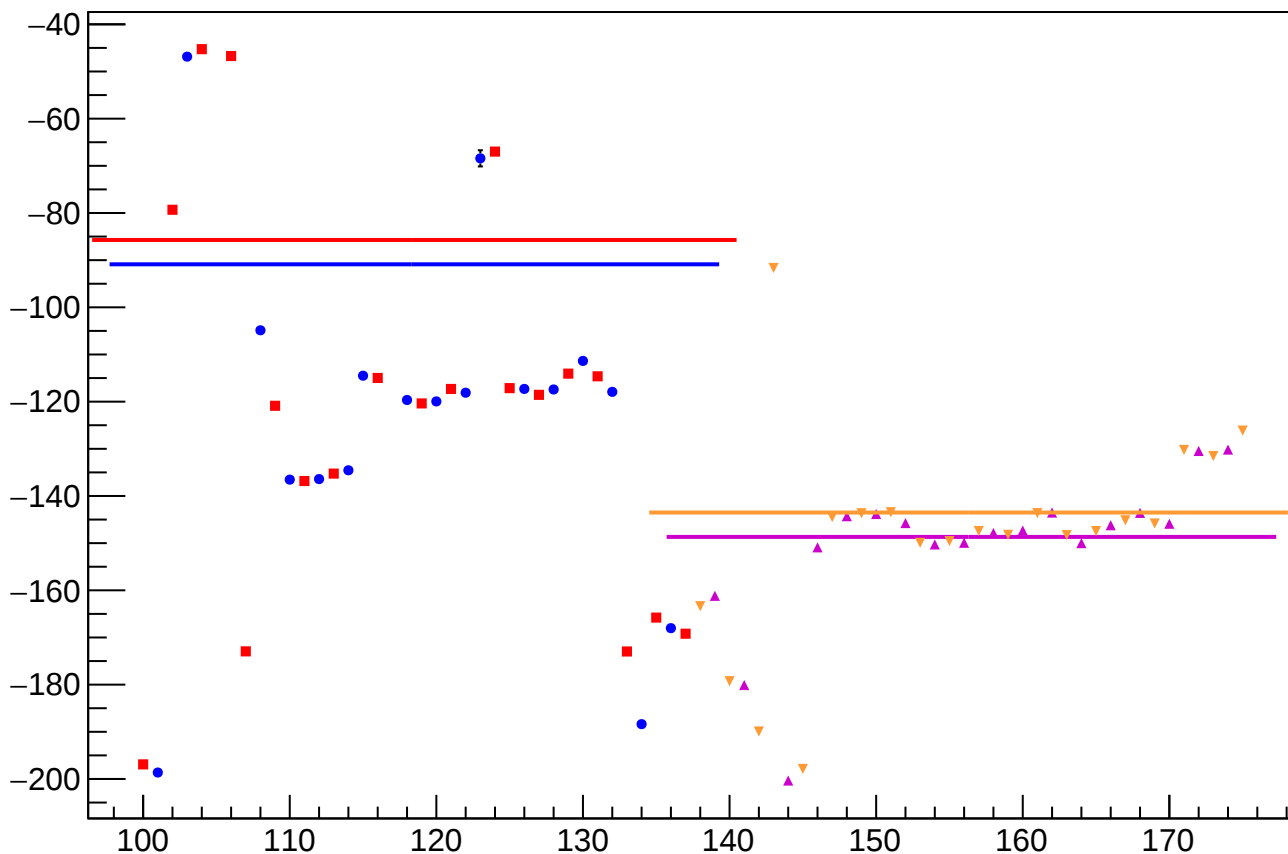
Left In: 58.738 $\pm$ 1.083 χ^2 /NDF: 424.0/17

+ sign 57.464 $\pm$ 0.819 χ^2 /NDF: 1196.4/36

All: 55.623 $\pm$ 0.589 χ^2 /NDF: 2218.5/73

- sign 53.654 $\pm$ 0.847 χ^2 /NDF: 1011.6/36

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: -143.508 ± 0.048 χ^2/NDF : 208317.6/19

Right Out: -85.722 ± 0.065 χ^2/NDF : 494183.1/18

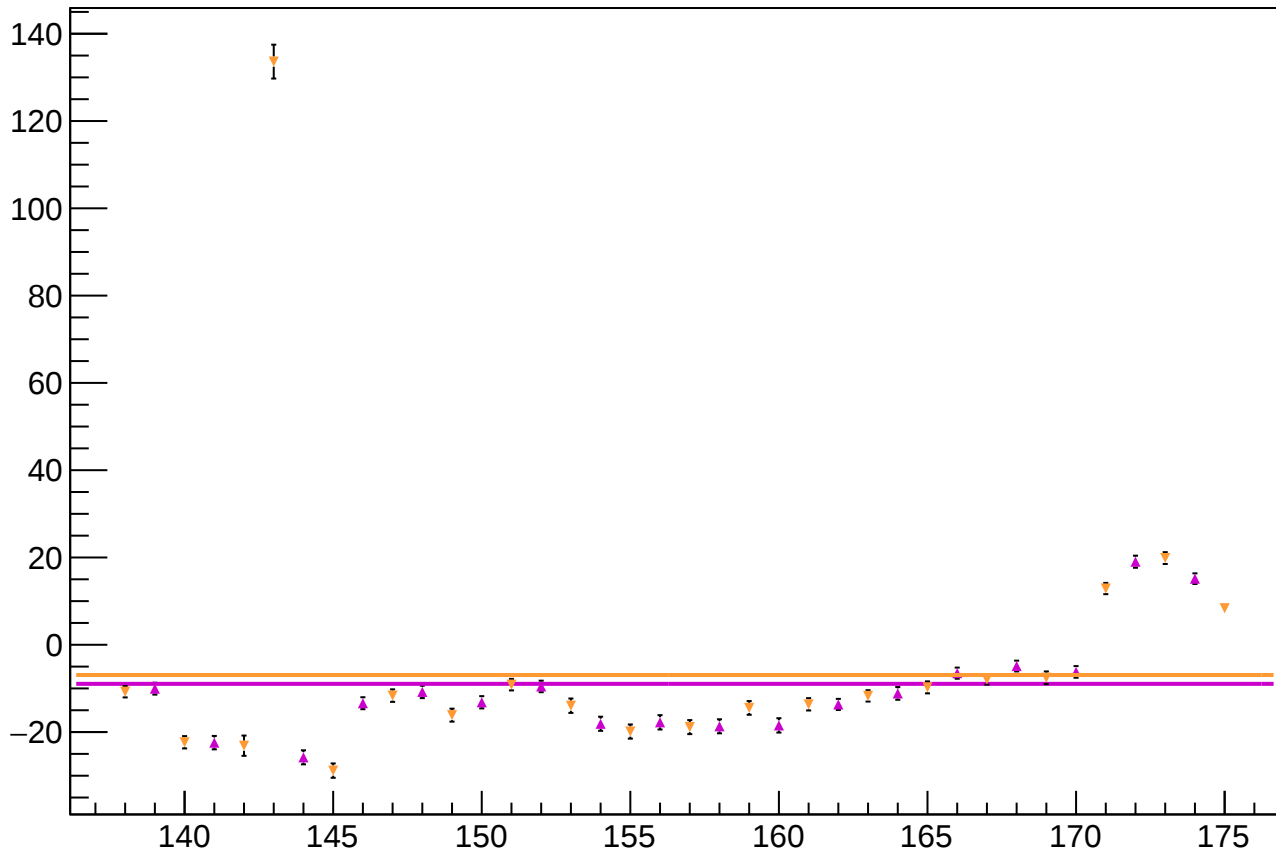
Left In: -148.676 ± 0.051 χ^2/NDF : 79092.8/17

+ sign -125.710 ± 0.039 χ^2/NDF : 1141022.0/36

All: -125.255 ± 0.028 χ^2/NDF : 2295424.0/73

- sign -124.783 ± 0.040 χ^2/NDF : 1154130.5/36

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: -6.925+/-0.319 χ^2/NDF : 2801.4/19

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

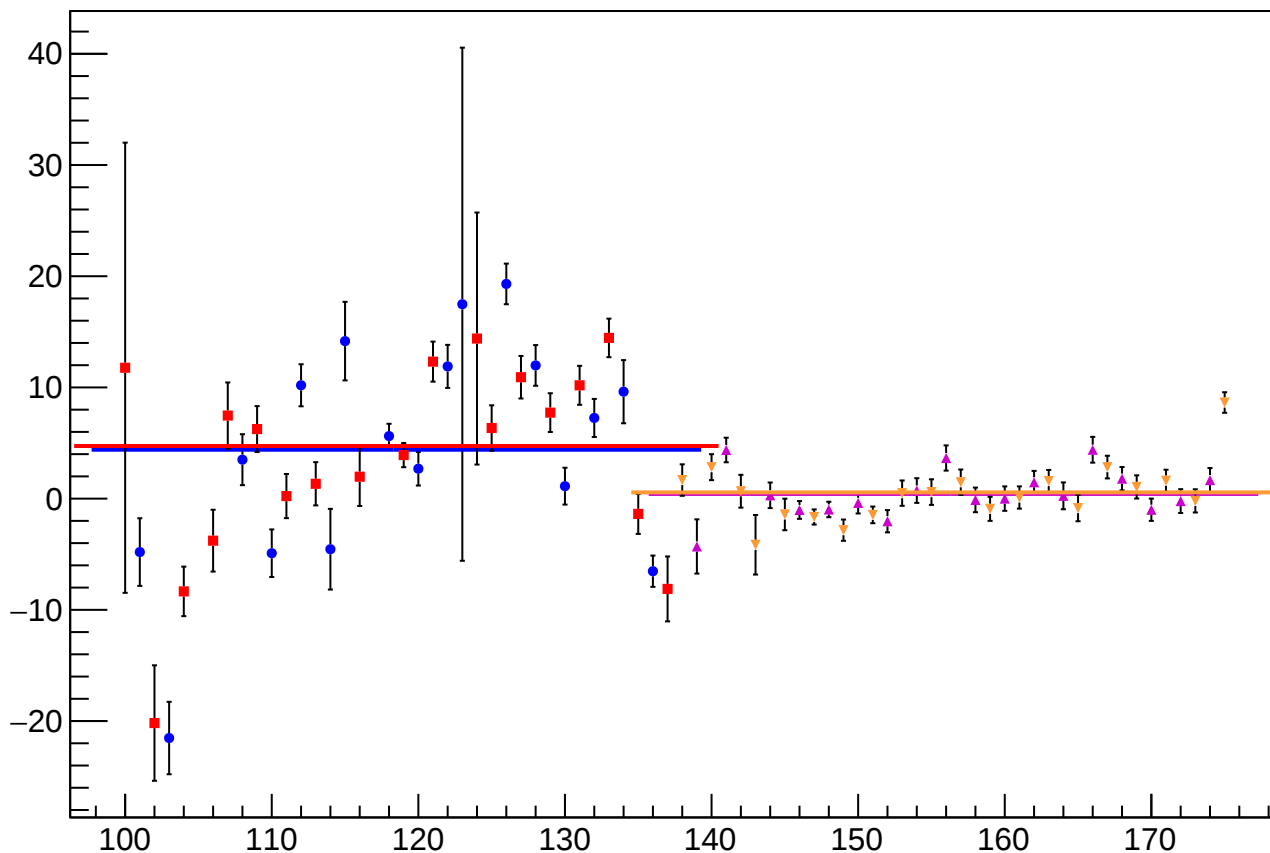
Left In: -8.952+/-0.332 χ^2/NDF : 1173.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -7.899+/-0.230 χ^2/NDF : 3994.0/37

- 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: 0.561 ± 0.234 χ^2/NDF : 128.4/19

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

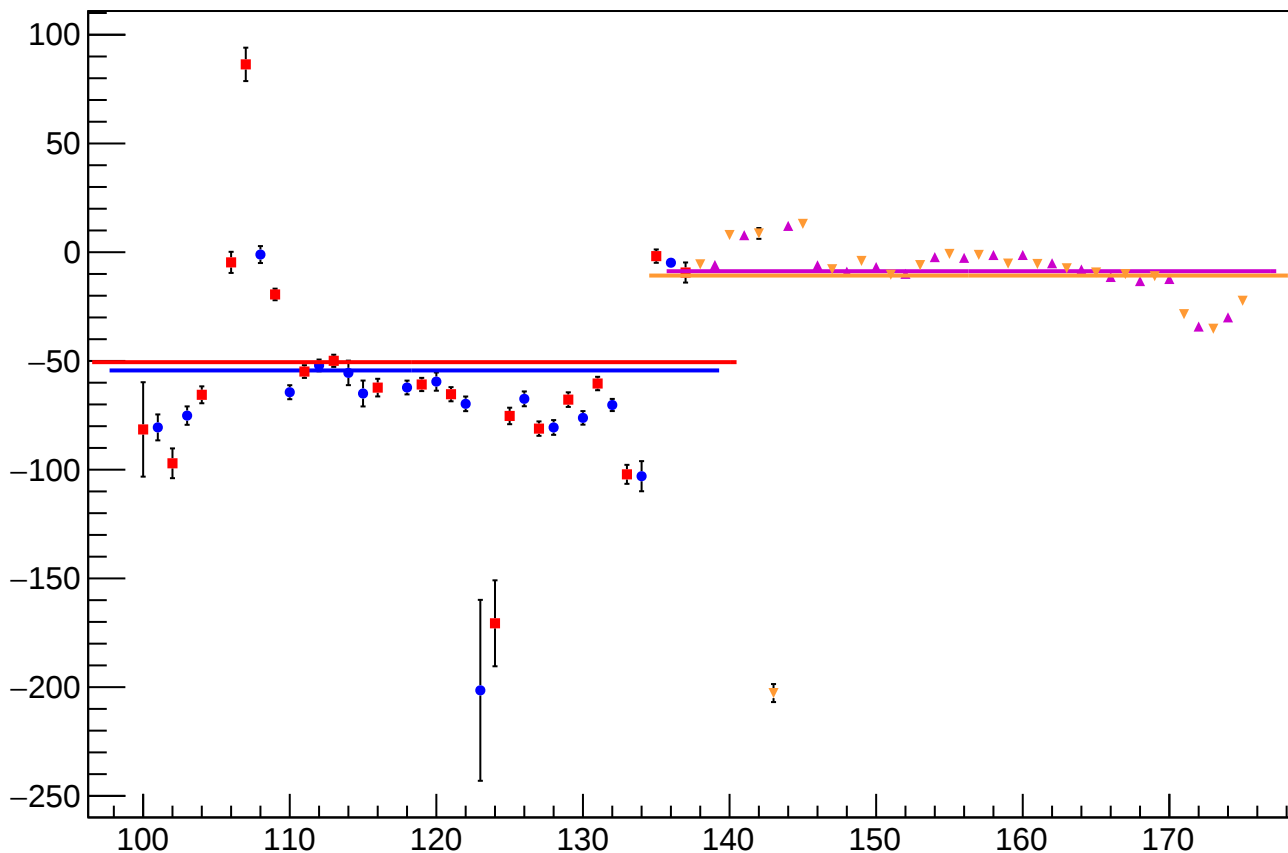
Left In: 0.424 ± 0.245 χ^2/NDF : 57.4/17

+ sign 1.322 ± 0.210 χ^2/NDF : 468.5/36

All: 1.327 ± 0.151 χ^2/NDF : 774.1/73

- sign 1.332 ± 0.217 χ^2/NDF : 305.7/36

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: -10.734 ± 0.315 χ^2/NDF : 3362.8/19

Right Out: -50.554 ± 0.858 χ^2/NDF : 1321.3/18

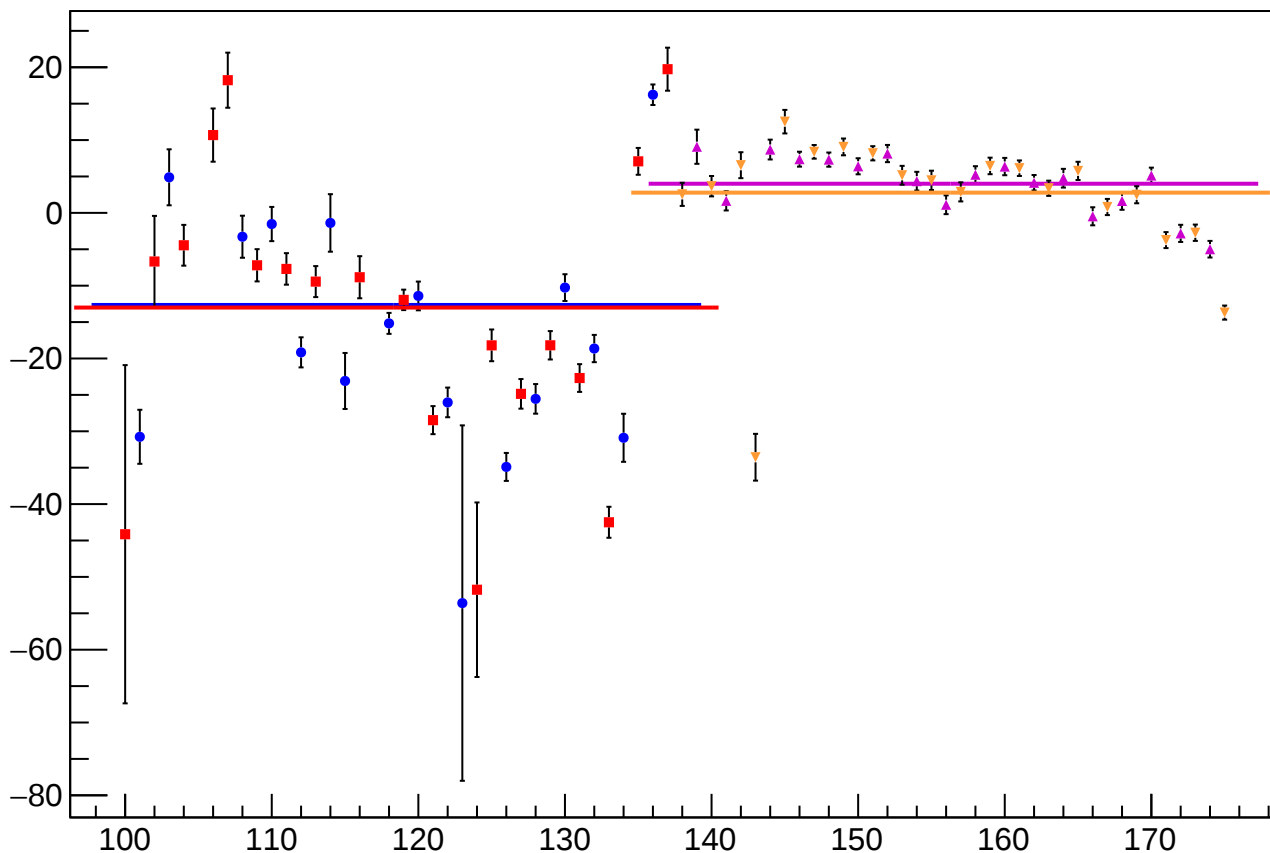
Left In: -8.734 ± 0.328 χ^2/NDF : 959.4/17

+ sign -15.823 ± 0.297 χ^2/NDF : 6607.0/36

All: -14.977 ± 0.213 χ^2/NDF : 10979.3/73

- sign -14.074 ± 0.306 χ^2/NDF : 4355.4/36

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 $\pm$ 0.536 χ^2 /NDF: 788.4/16

Left Out: 2.781 $\pm$ 0.269 χ^2 /NDF: 649.5/19

Right Out: -13.005 $\pm$ 0.538 χ^2 /NDF: 721.4/18

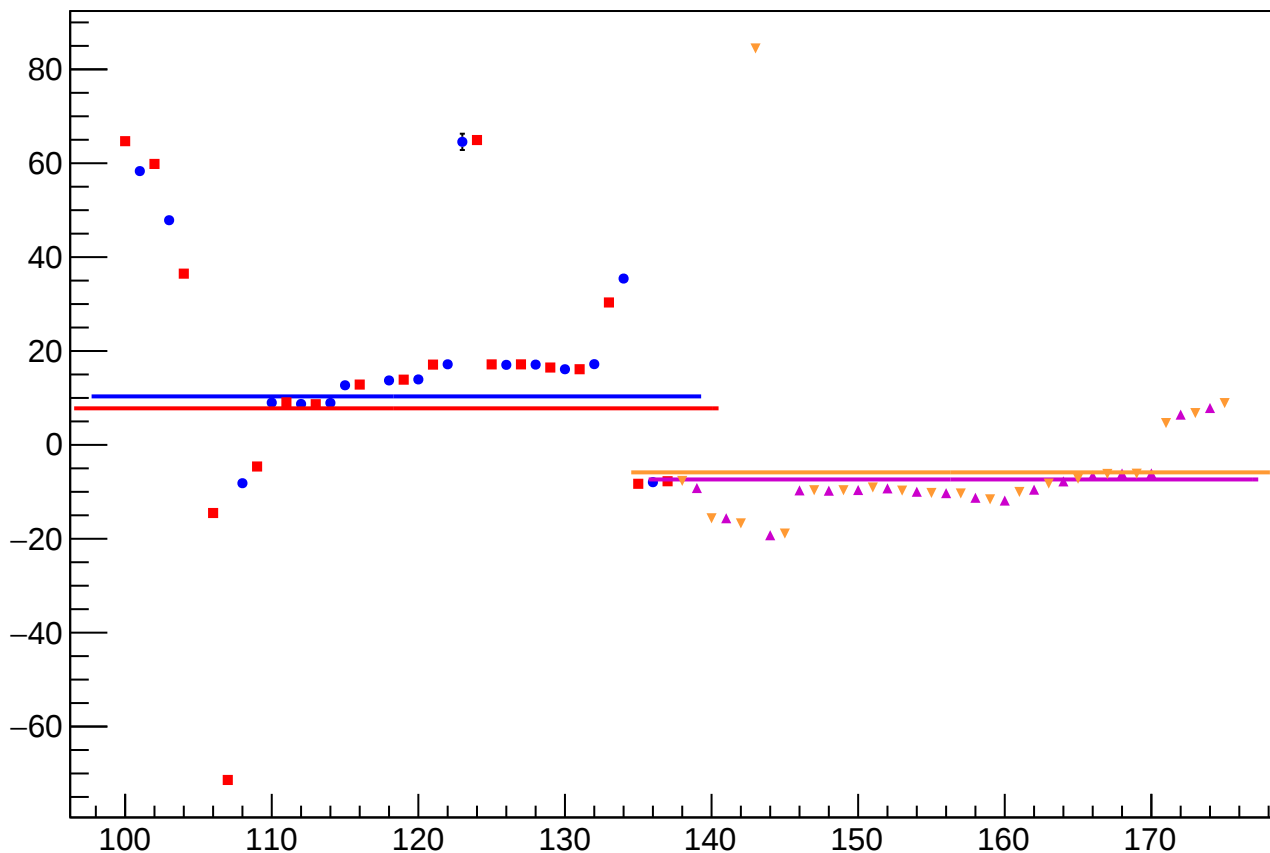
Left In: 4.004 $\pm$ 0.281 χ^2 /NDF: 183.2/17

+ sign -0.318 $\pm$ 0.240 χ^2 /NDF: 2099.4/36

All: 0.003 $\pm$ 0.173 χ^2 /NDF: 3793.8/73

- sign 0.348 $\pm$ 0.249 χ^2 /NDF: 1690.7/36

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330 $\pm$ 0.031 χ^2 /NDF: 380857.1/16

Left Out: -5.855 $\pm$ 0.012 χ^2 /NDF: 636445.6/19

Right Out: 7.786 $\pm$ 0.031 χ^2 /NDF: 544119.7/18

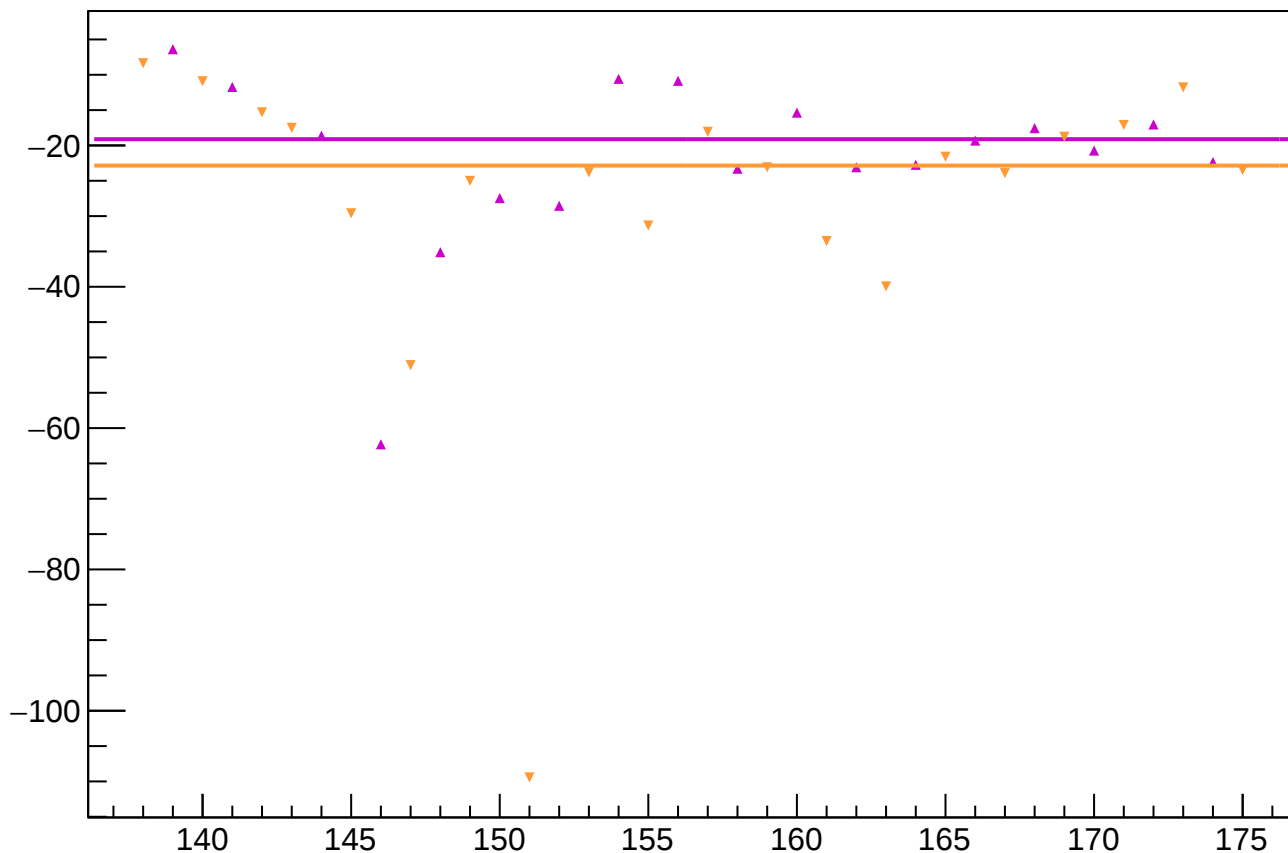
Left In: -7.365 $\pm$ 0.013 χ^2 /NDF: 245998.7/17

+ sign -3.565 $\pm$ 0.012 χ^2 /NDF: 1256294.9/36

All: -4.379 $\pm$ 0.008 χ^2 /NDF: 2257741.2/73

- sign -5.226 $\pm$ 0.012 χ^2 /NDF: 991290.6/36

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -22.851+/-0.051 χ^2/NDF : 62492.1/19

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

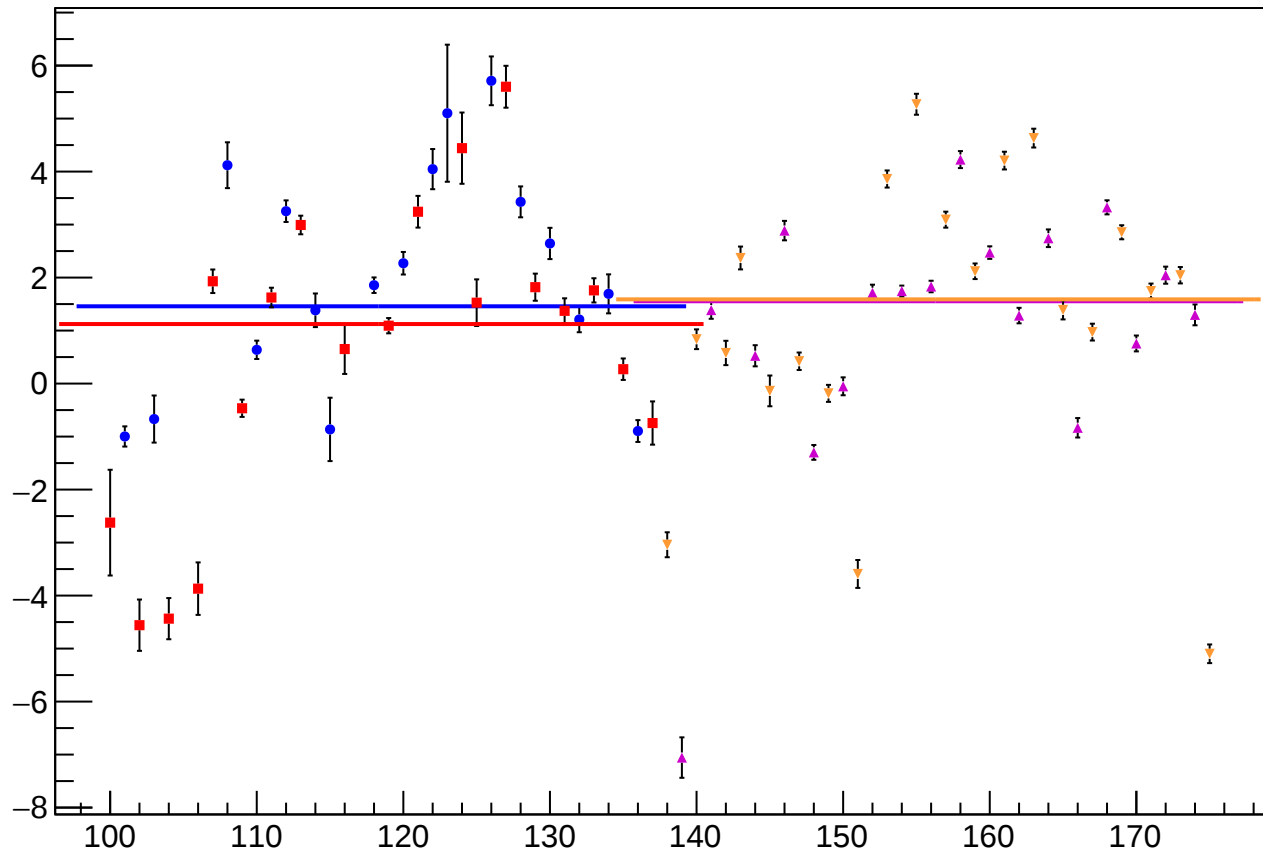
Left In: -19.115+/-0.048 χ^2/NDF : 37514.7/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.856+/-0.035 χ^2/NDF : 102827.0/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 1.589 ± 0.039 χ^2/NDF : 3786.4/19

Right Out: 1.123 ± 0.058 χ^2/NDF : 947.4/18

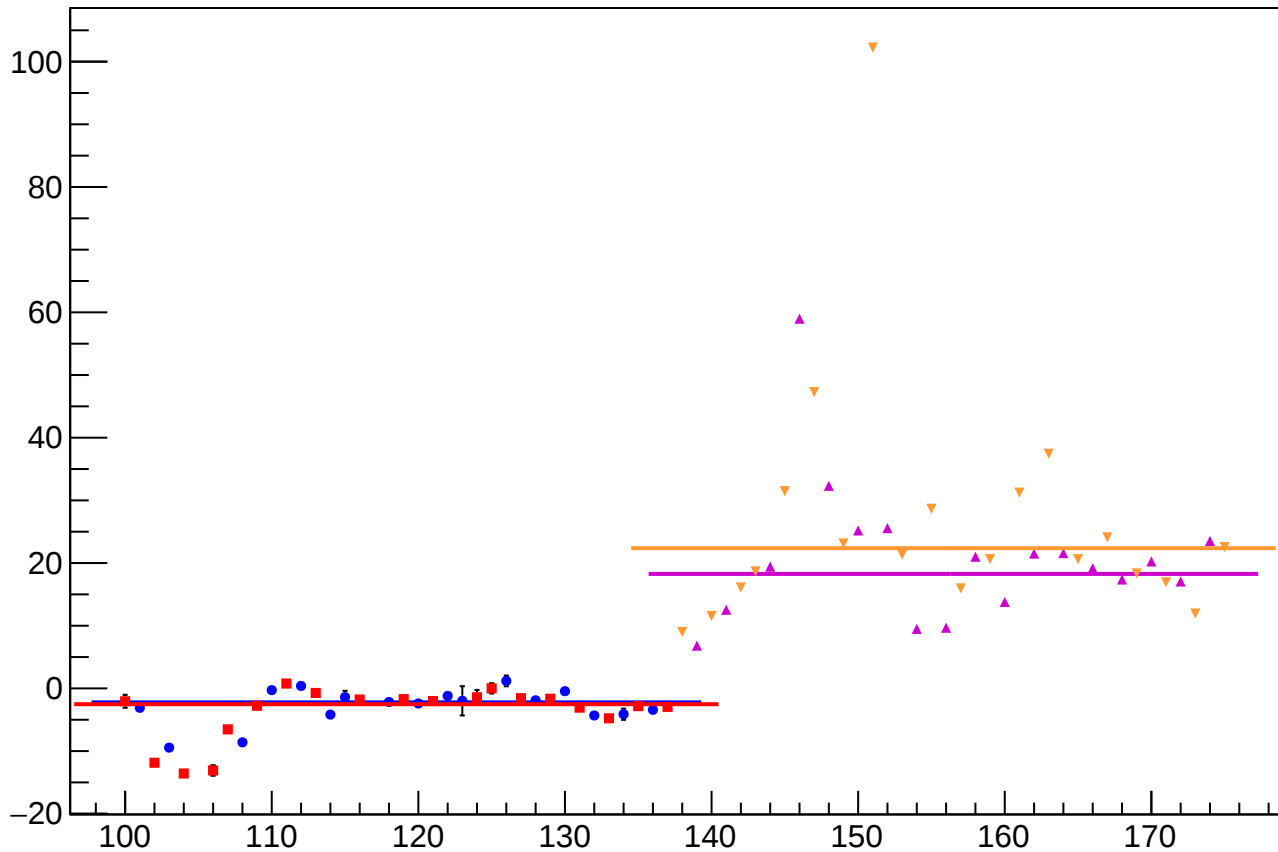
Left In: 1.553 ± 0.036 χ^2/NDF : 1886.1/17

+ sign 1.552 ± 0.033 χ^2/NDF : 4487.8/36

All: 1.489 ± 0.022 χ^2/NDF : 7367.9/73

- sign 1.436 ± 0.030 χ^2/NDF : 2873.4/36

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 22.370 ± 0.051 χ^2/NDF : 55677.9/19

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

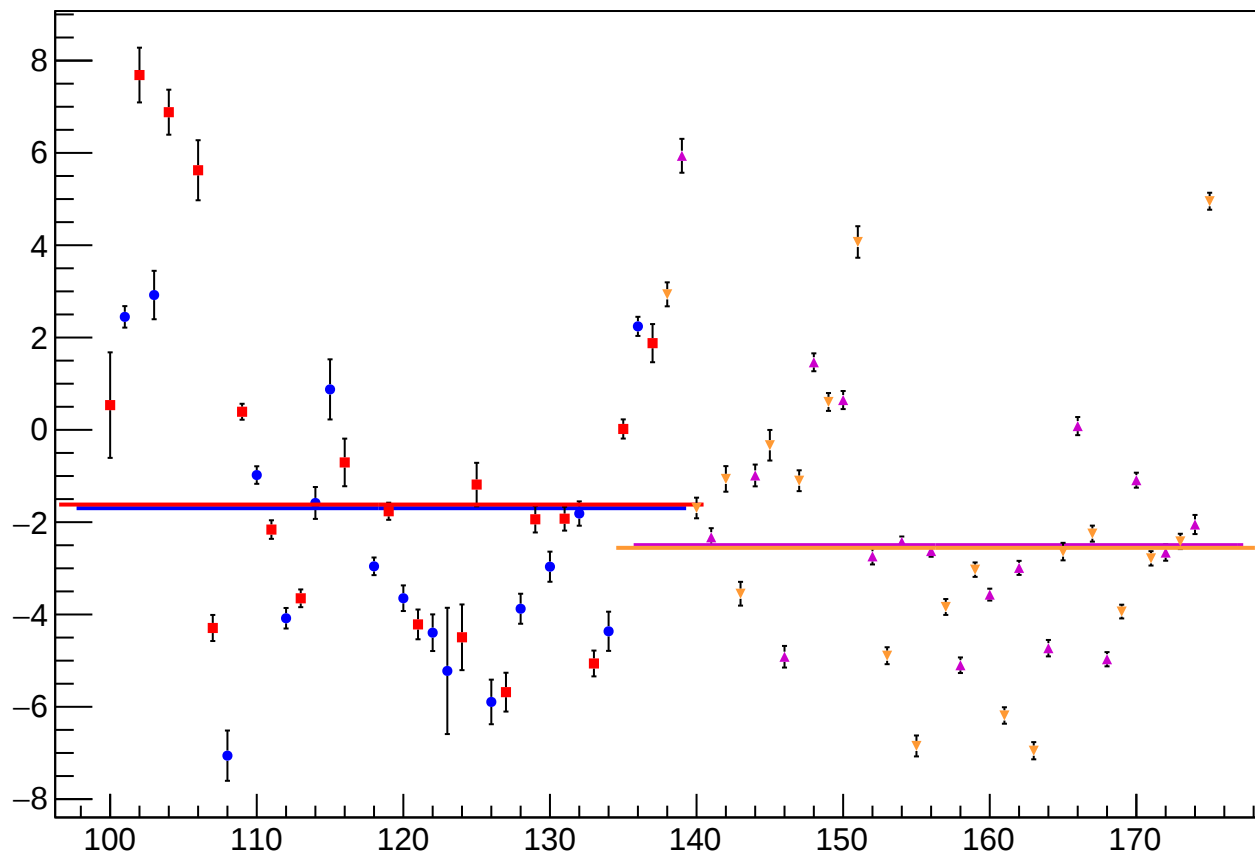
Left In: 18.266 ± 0.047 χ^2/NDF : 35804.3/17

+ sign 18.106 ± 0.046 χ^2/NDF : 96539.2/36

All: 16.117 ± 0.031 χ^2/NDF : 172641.9/73

- sign 14.449 ± 0.042 χ^2/NDF : 72712.8/36

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -2.556 ± 0.044 χ^2/NDF : 4550.2/19

Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18

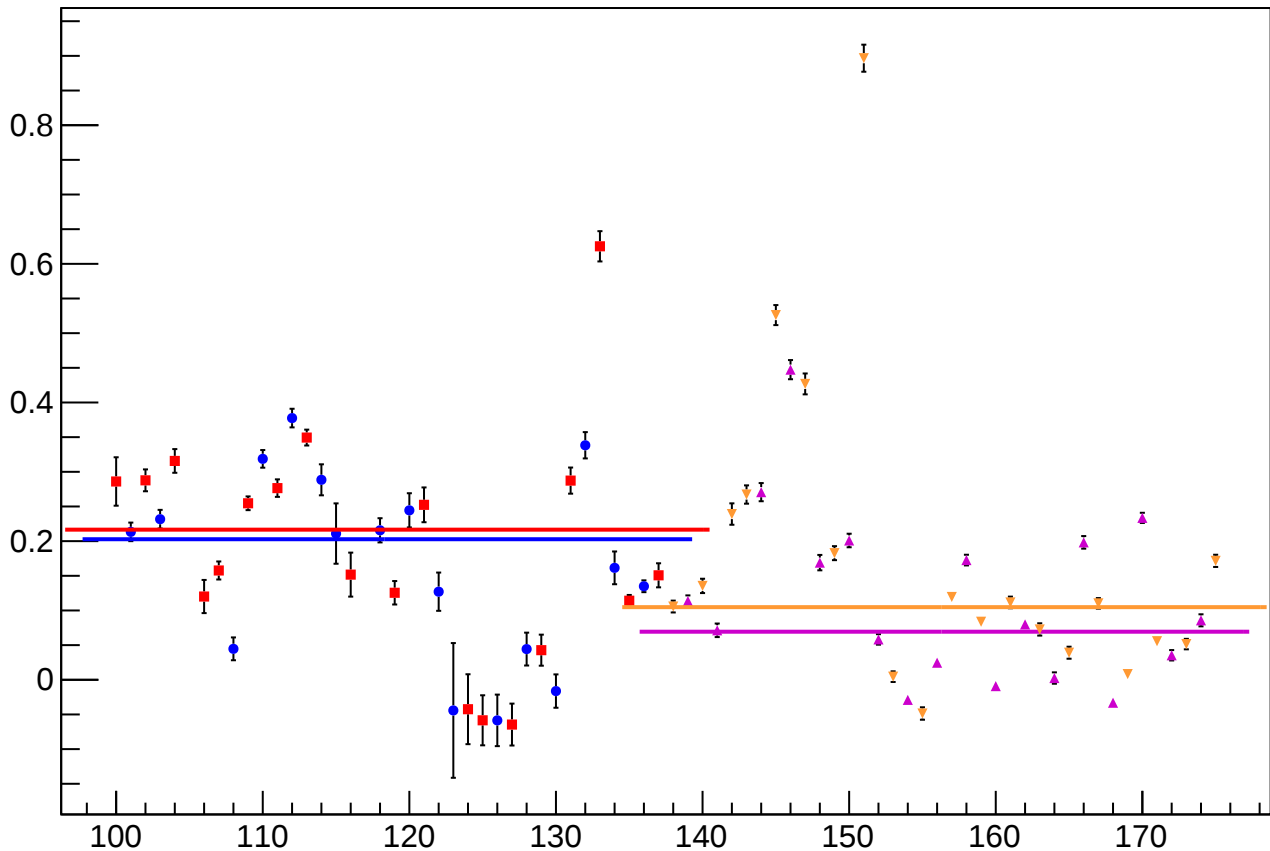
Left In: -2.498 ± 0.040 χ^2/NDF : 2339.0/17

+ sign -2.321 ± 0.037 χ^2/NDF : 5975.6/36

All: -2.287 ± 0.025 χ^2/NDF : 9935.9/73

- sign -2.259 ± 0.034 χ^2/NDF : 3958.8/36

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.105 ± 0.002 χ^2/NDF : 4161.3/19

Right Out: 0.217 ± 0.004 χ^2/NDF : 1064.4/18

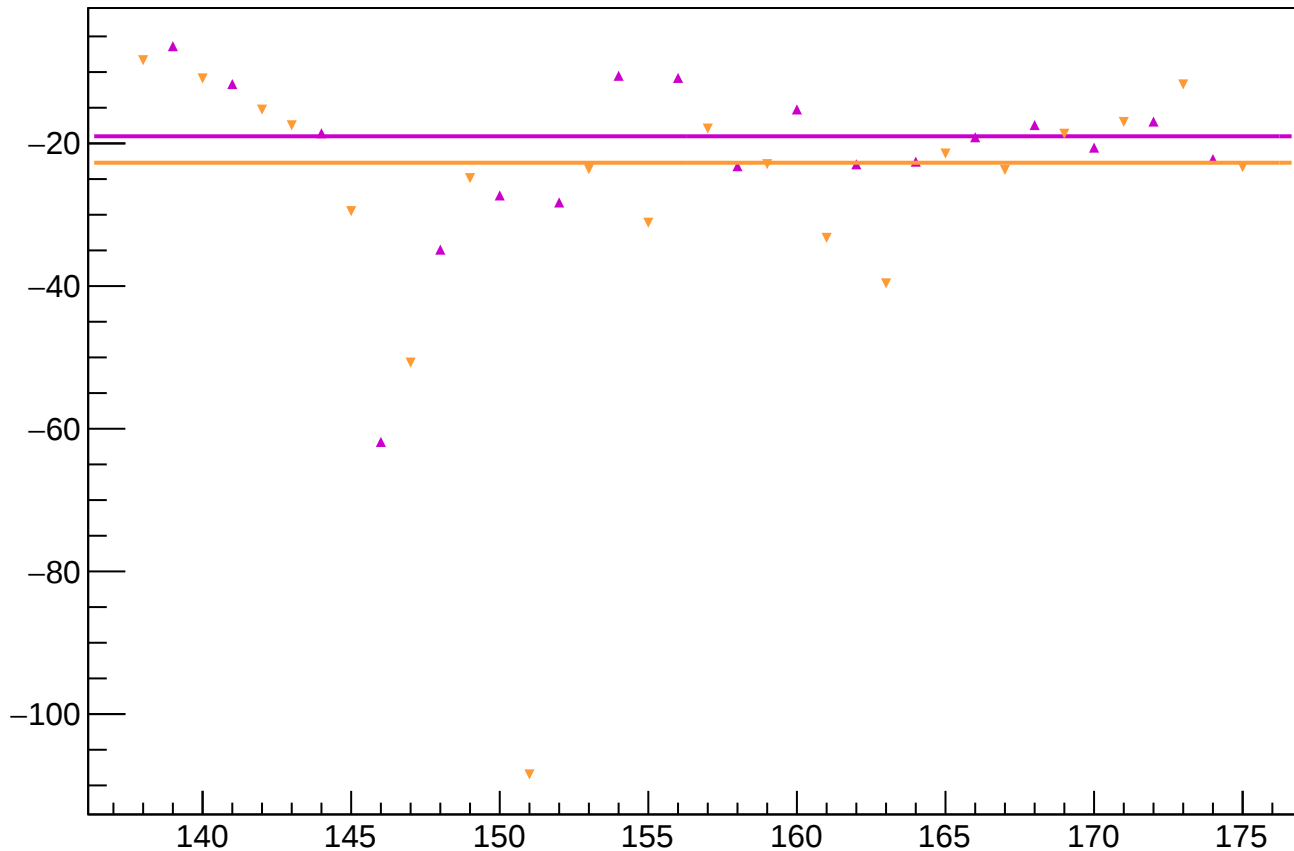
Left In: 0.069 ± 0.002 χ^2/NDF : 3203.4/17

+ sign 0.123 ± 0.002 χ^2/NDF : 5292.9/36

All: 0.108 ± 0.001 χ^2/NDF : 10979.9/73

- sign 0.096 ± 0.002 χ^2/NDF : 5562.9/36

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -22.708+/-0.051 χ^2/NDF : 62305.1/19

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

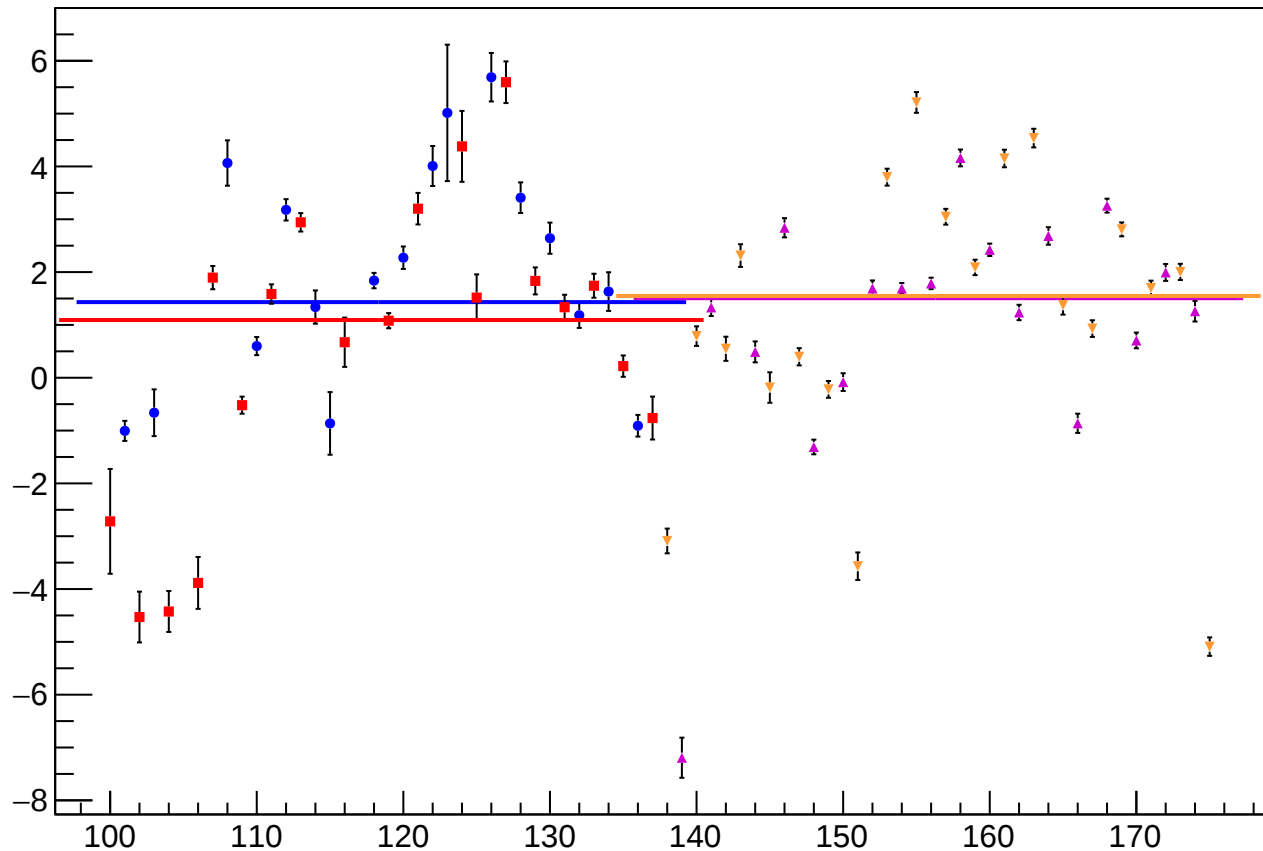
Left In: -19.002+/-0.048 χ^2/NDF : 37422.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.729+/-0.035 χ^2/NDF : 102539.1/37

- 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: 1.548 $\pm$ 0.039 χ^2/NDF : 3785.3/19

Right Out: 1.092 $\pm$ 0.058 χ^2/NDF : 953.2/18

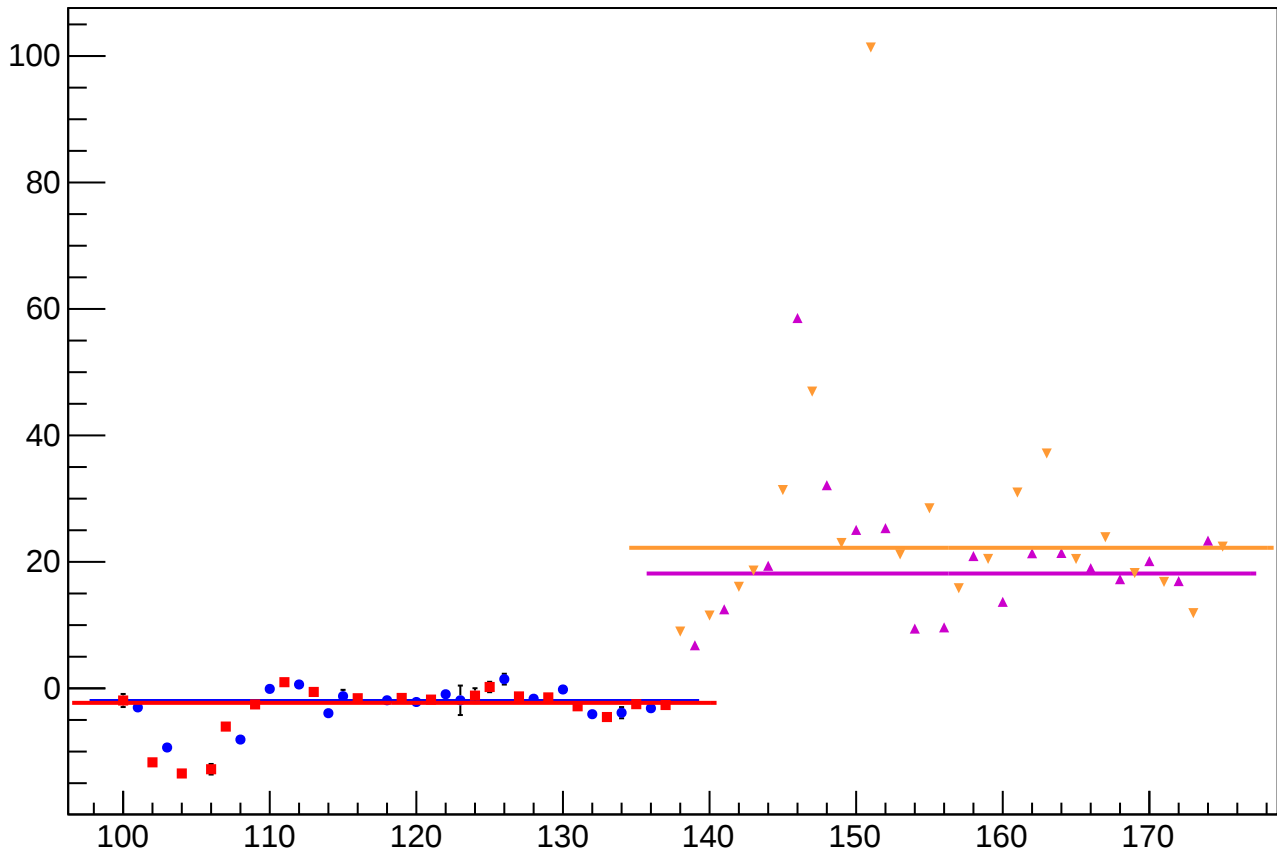
Left In: 1.506 $\pm$ 0.035 χ^2/NDF : 1895.6/17

+ sign 1.515 $\pm$ 0.033 χ^2/NDF : 4484.4/36

All: 1.449 $\pm$ 0.022 χ^2/NDF : 7377.9/73

- sign 1.394 $\pm$ 0.030 χ^2/NDF : 2885.9/36

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 22.227 ± 0.051 χ^2/NDF : 55530.9/19

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

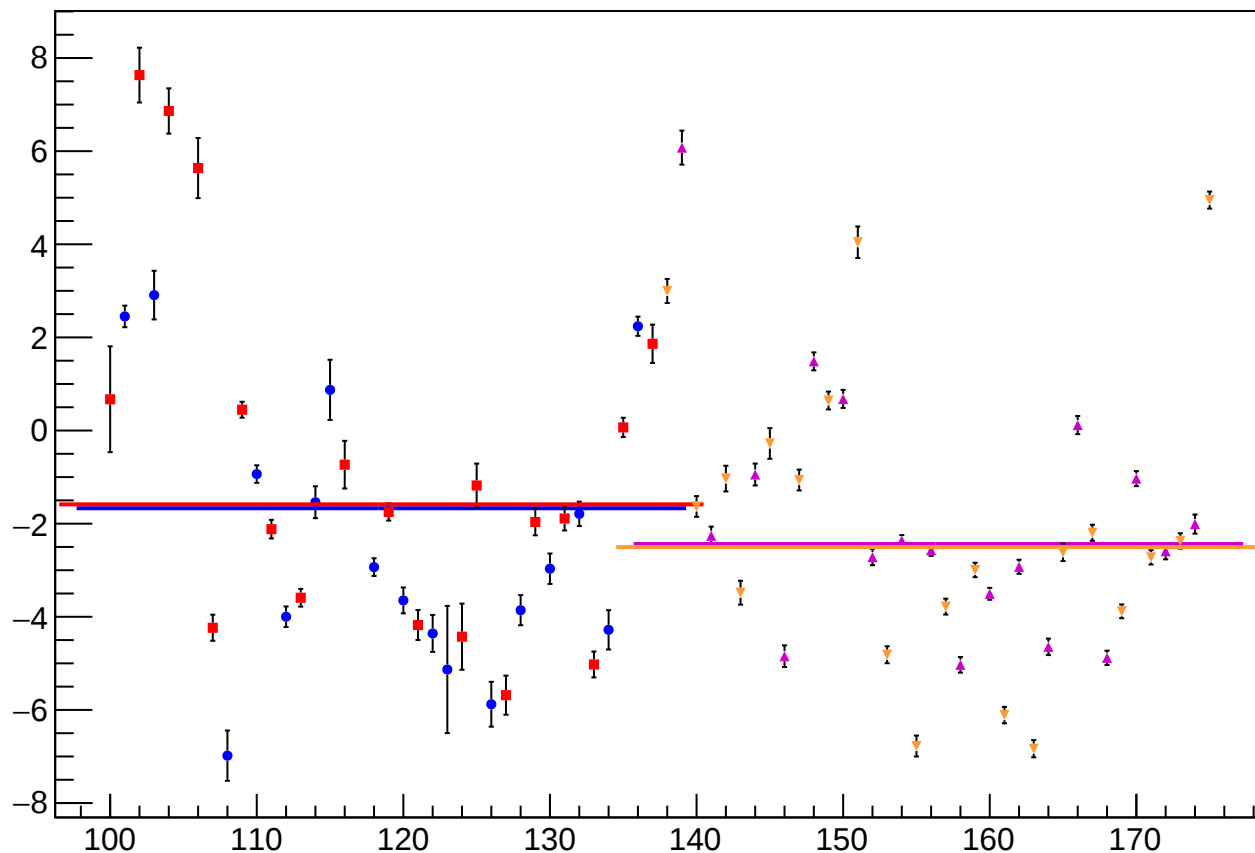
Left In: 18.159 ± 0.047 χ^2/NDF : 35723.8/17

+ sign 18.039 ± 0.046 χ^2/NDF : 95616.2/36

All: 16.065 ± 0.031 χ^2/NDF : 170873.2/73

- sign 14.409 ± 0.042 χ^2/NDF : 71875.8/36

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.504 ± 0.043 χ^2/NDF : 4547.4/19

Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18

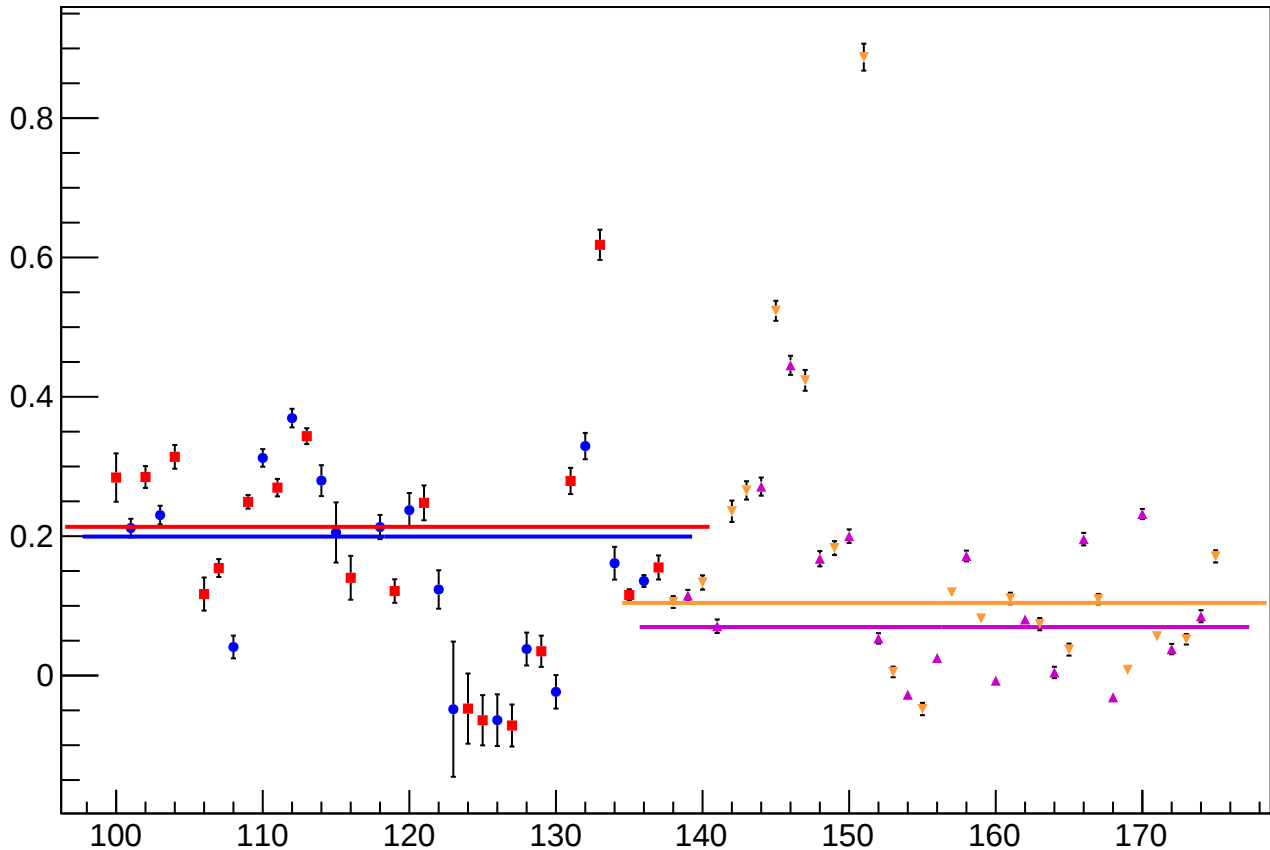
Left In: -2.438 ± 0.040 χ^2/NDF : 2349.2/17

+ sign -2.276 ± 0.037 χ^2/NDF : 5963.6/36

All: -2.239 ± 0.025 χ^2/NDF : 9933.3/73

- sign -2.207 ± 0.034 χ^2/NDF : 3967.8/36

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.104 ± 0.002 χ^2/NDF : 4153.2/19

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

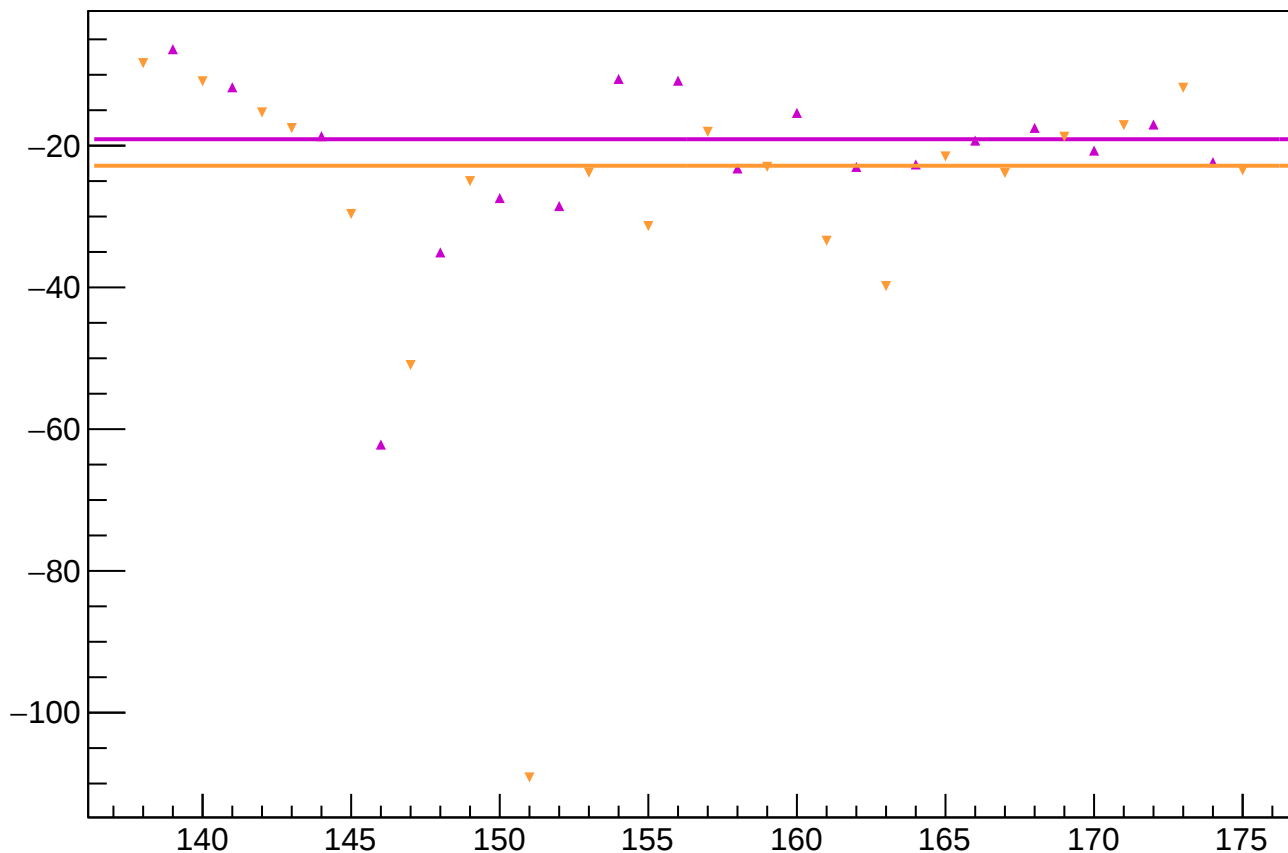
Left In: 0.070 ± 0.002 χ^2/NDF : 3177.2/17

+ sign 0.122 ± 0.002 χ^2/NDF : 5249.3/36

All: 0.107 ± 0.001 χ^2/NDF : 10843.2/73

- sign 0.096 ± 0.002 χ^2/NDF : 5474.6/36

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -22.833 ± 0.051 χ^2/NDF : 62418.8/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

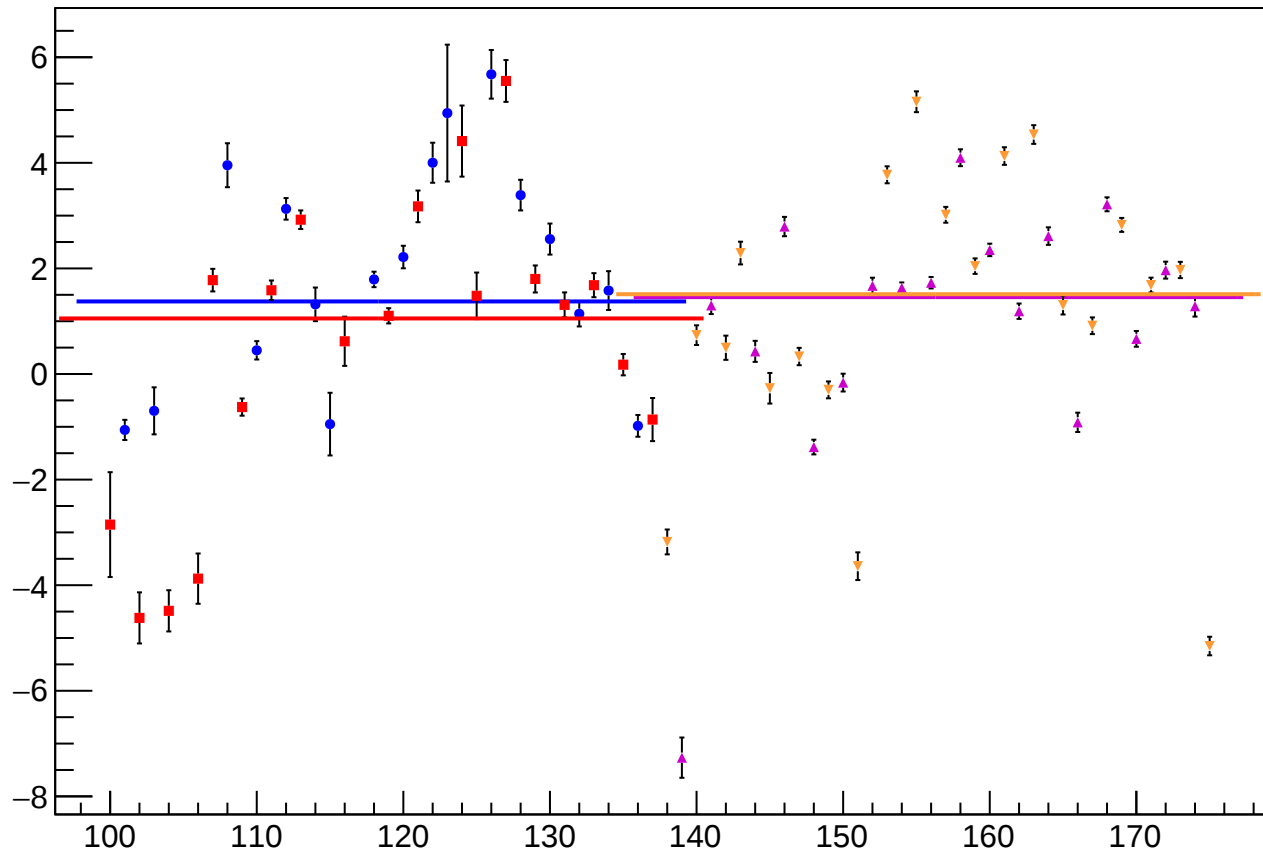
Left In: -19.095 ± 0.048 χ^2/NDF : 37495.8/17

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -20.836 ± 0.035 χ^2/NDF : 102752.2/37

- 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 ± 0.062 χ^2/NDF : 702.4/16

Left Out: 1.511 ± 0.039 χ^2/NDF : 3805.0/19

Right Out: 1.052 ± 0.058 χ^2/NDF : 964.0/18

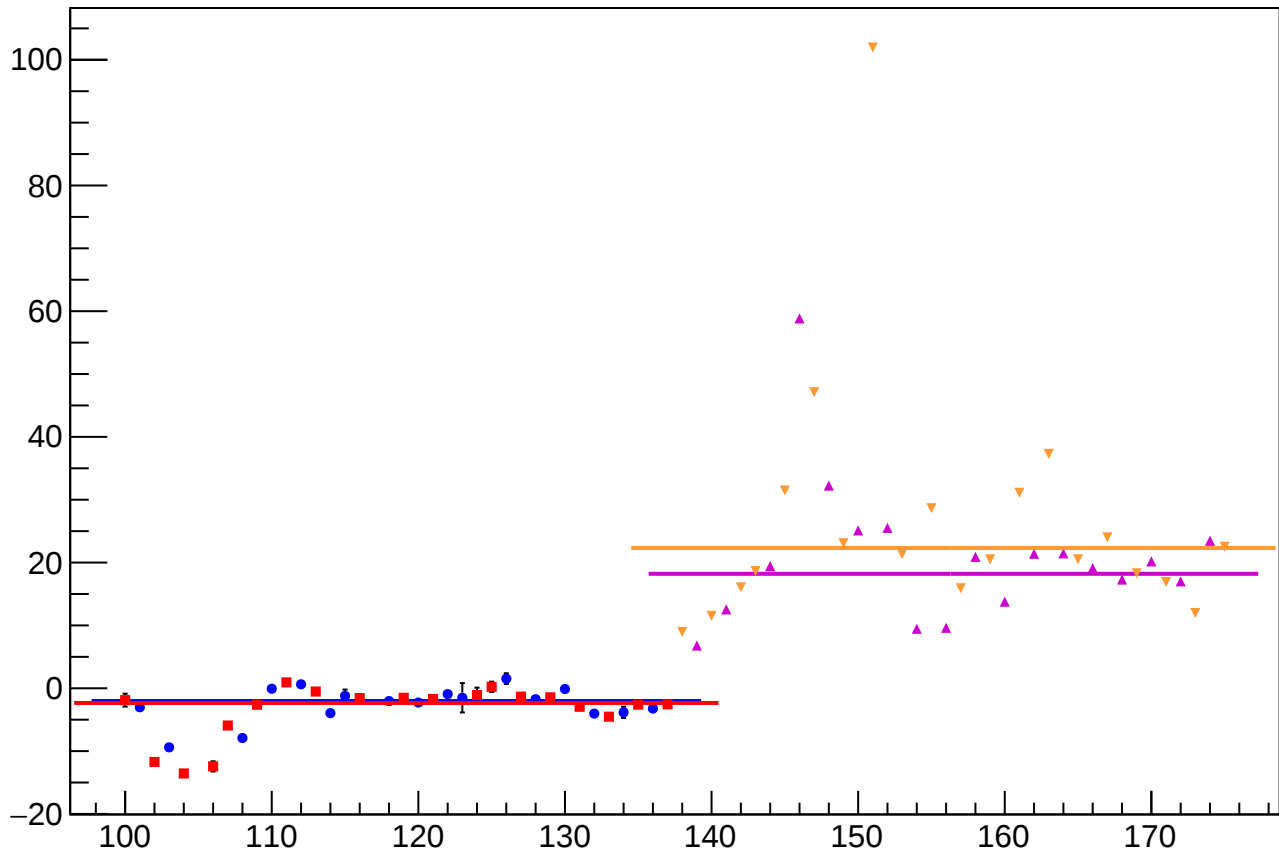
Left In: 1.456 ± 0.035 χ^2/NDF : 1887.5/17

+ sign 1.473 ± 0.033 χ^2/NDF : 4510.9/36

All: 1.405 ± 0.022 χ^2/NDF : 7405.9/73

- sign 1.347 ± 0.030 χ^2/NDF : 2886.9/36

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 22.318 ± 0.051 χ^2/NDF : 55628.6/19

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

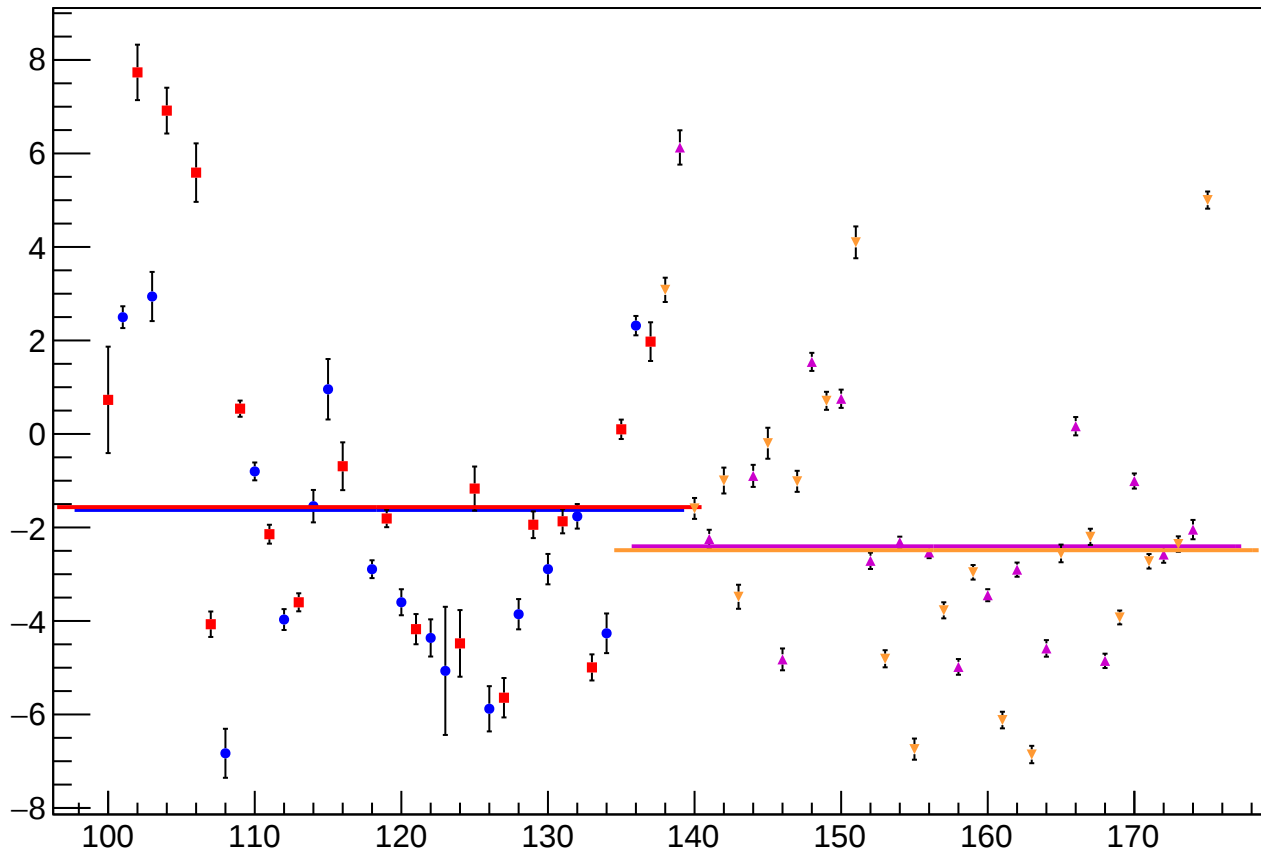
Left In: 18.213 ± 0.047 χ^2/NDF : 35808.3/17

+ sign 18.116 ± 0.046 χ^2/NDF : 95689.3/36

All: 16.123 ± 0.031 χ^2/NDF : 171057.9/73

- sign 14.453 ± 0.042 χ^2/NDF : 71952.5/36

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.487 ± 0.044 χ^2/NDF : 4576.0/19

Right Out: -1.565 ± 0.066 χ^2/NDF : 1505.8/18

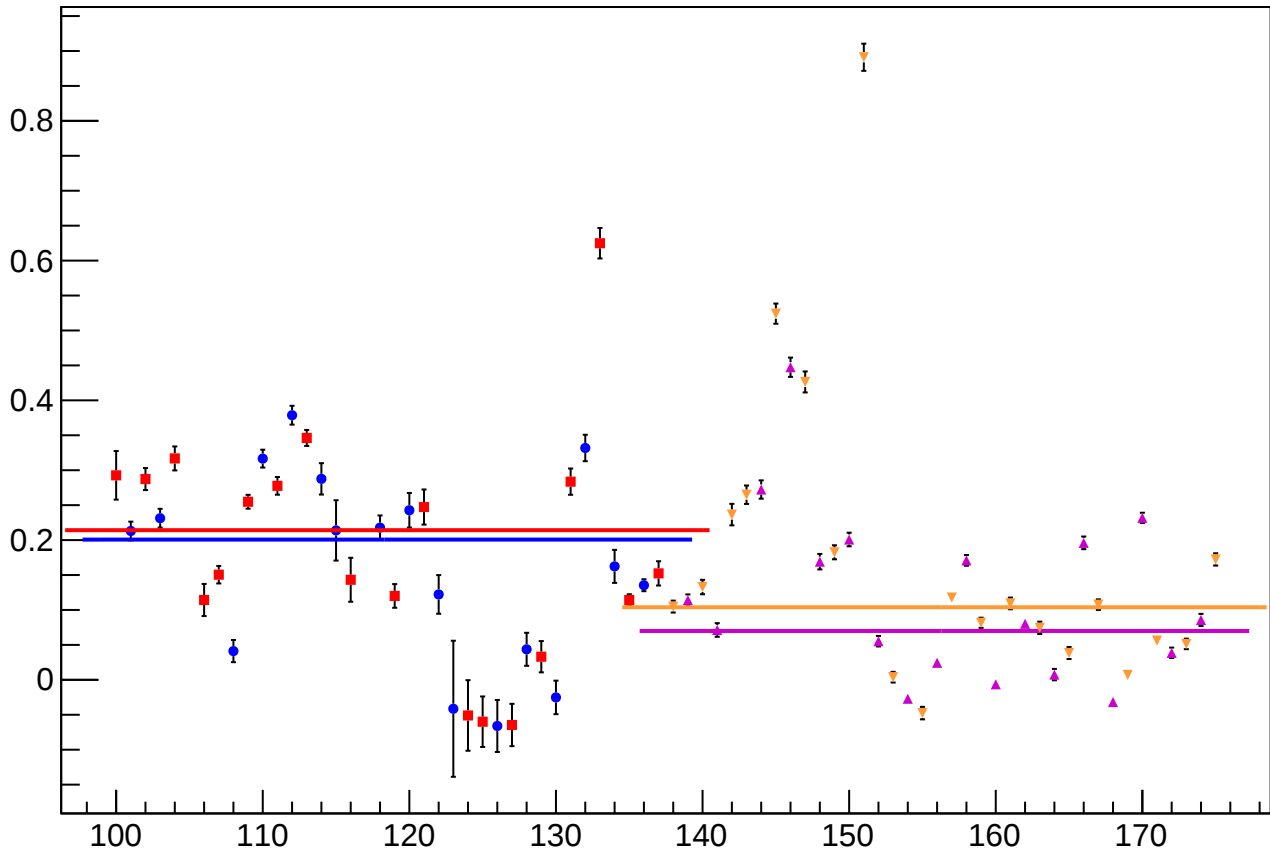
Left In: -2.404 ± 0.040 χ^2/NDF : 2339.4/17

+ sign -2.251 ± 0.037 χ^2/NDF : 6003.6/36

All: -2.211 ± 0.025 χ^2/NDF : 9970.2/73

- sign -2.176 ± 0.034 χ^2/NDF : 3964.4/36

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 $\chi^2/\text{NDF}: 690.6/16$

Left Out: 0.104 ± 0.002 $\chi^2/\text{NDF}: 4143.3/19$

Right Out: 0.214 ± 0.004 $\chi^2/\text{NDF}: 1080.4/18$

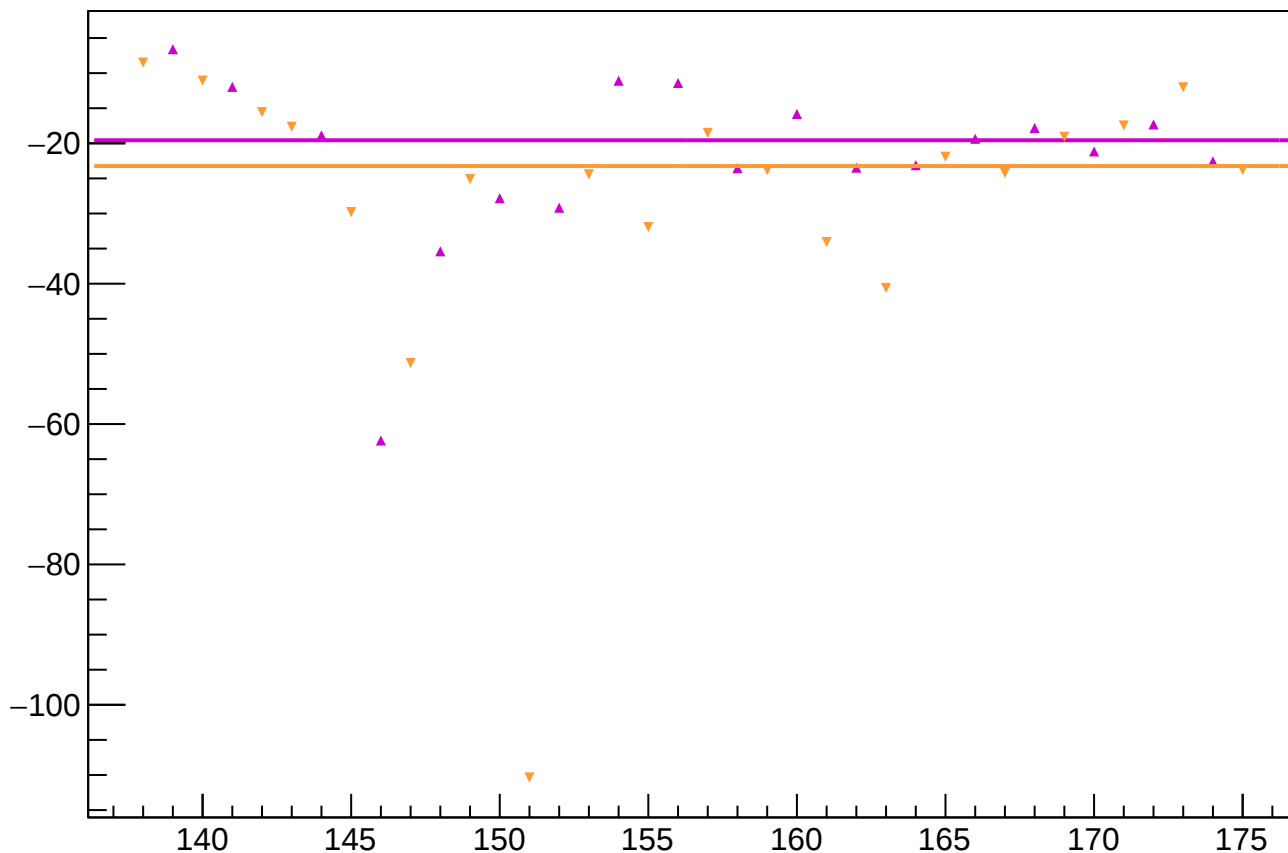
Left In: 0.070 ± 0.002 $\chi^2/\text{NDF}: 3155.7/17$

+ sign 0.122 ± 0.002 $\chi^2/\text{NDF}: 5280.1/36$

All: 0.107 ± 0.001 $\chi^2/\text{NDF}: 10881.0/73$

- sign 0.096 ± 0.002 $\chi^2/\text{NDF}: 5487.3/36$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -23.239+/-0.052 χ^2/NDF : 62270.9/19

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

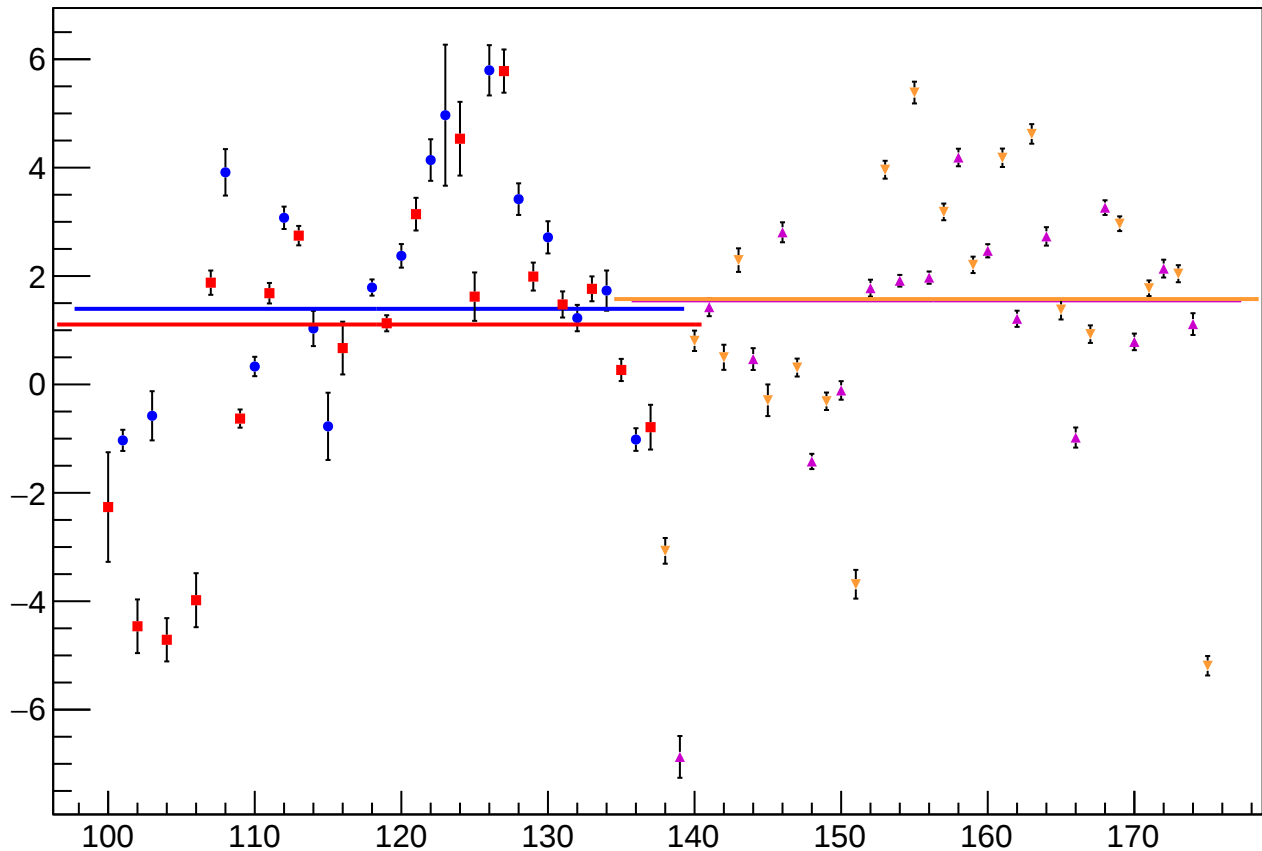
Left In: -19.566+/-0.049 χ^2/NDF : 36329.9/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.284+/-0.036 χ^2/NDF : 101226.5/37

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 ± 0.063 χ^2/NDF : 701.4/16

Left Out: 1.575 ± 0.039 χ^2/NDF : 3835.4/19

Right Out: 1.106 ± 0.059 χ^2/NDF : 937.0/18

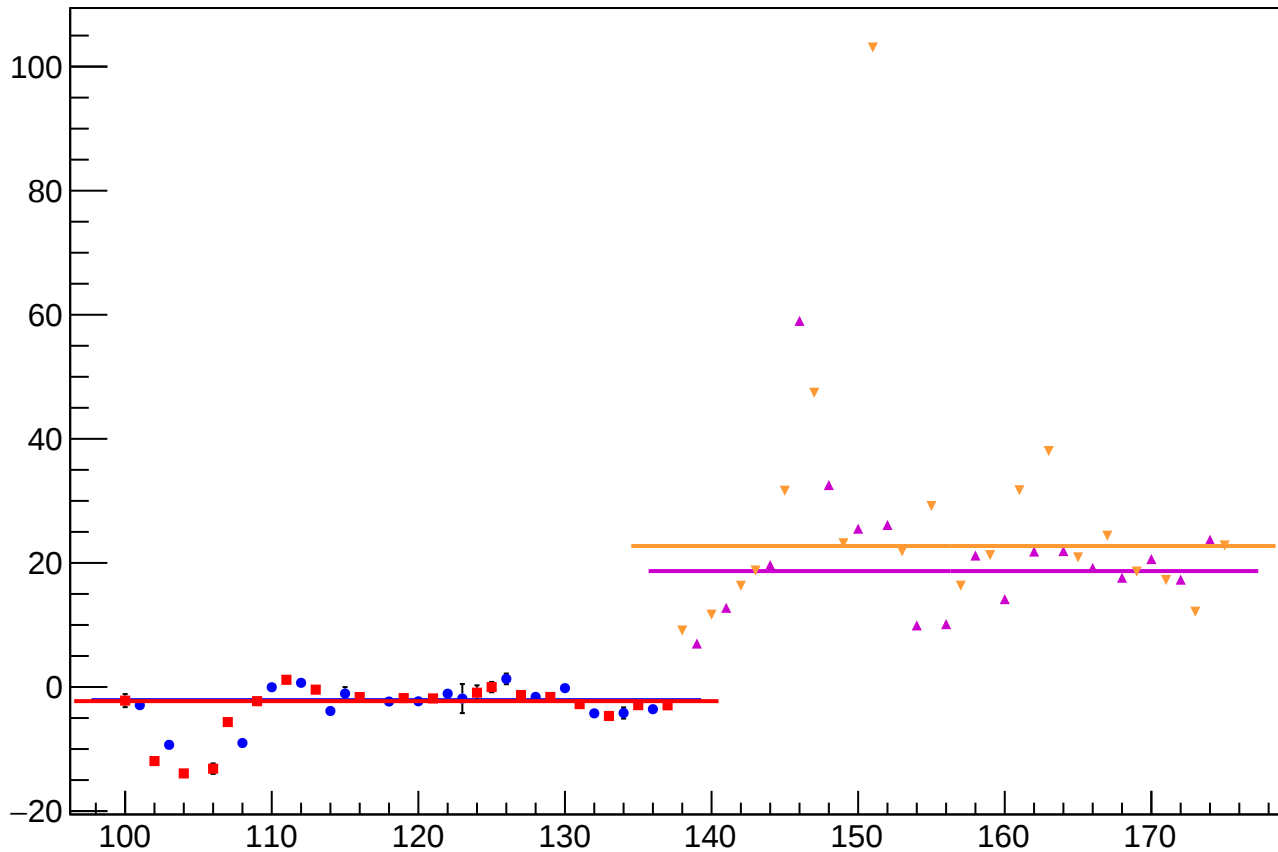
Left In: 1.551 ± 0.036 χ^2/NDF : 1882.7/17

+ sign 1.524 ± 0.033 χ^2/NDF : 4542.7/36

All: 1.473 ± 0.023 χ^2/NDF : 7407.9/73

- sign 1.430 ± 0.031 χ^2/NDF : 2860.8/36

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 22.729 ± 0.052 χ^2/NDF : 55374.0/19

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

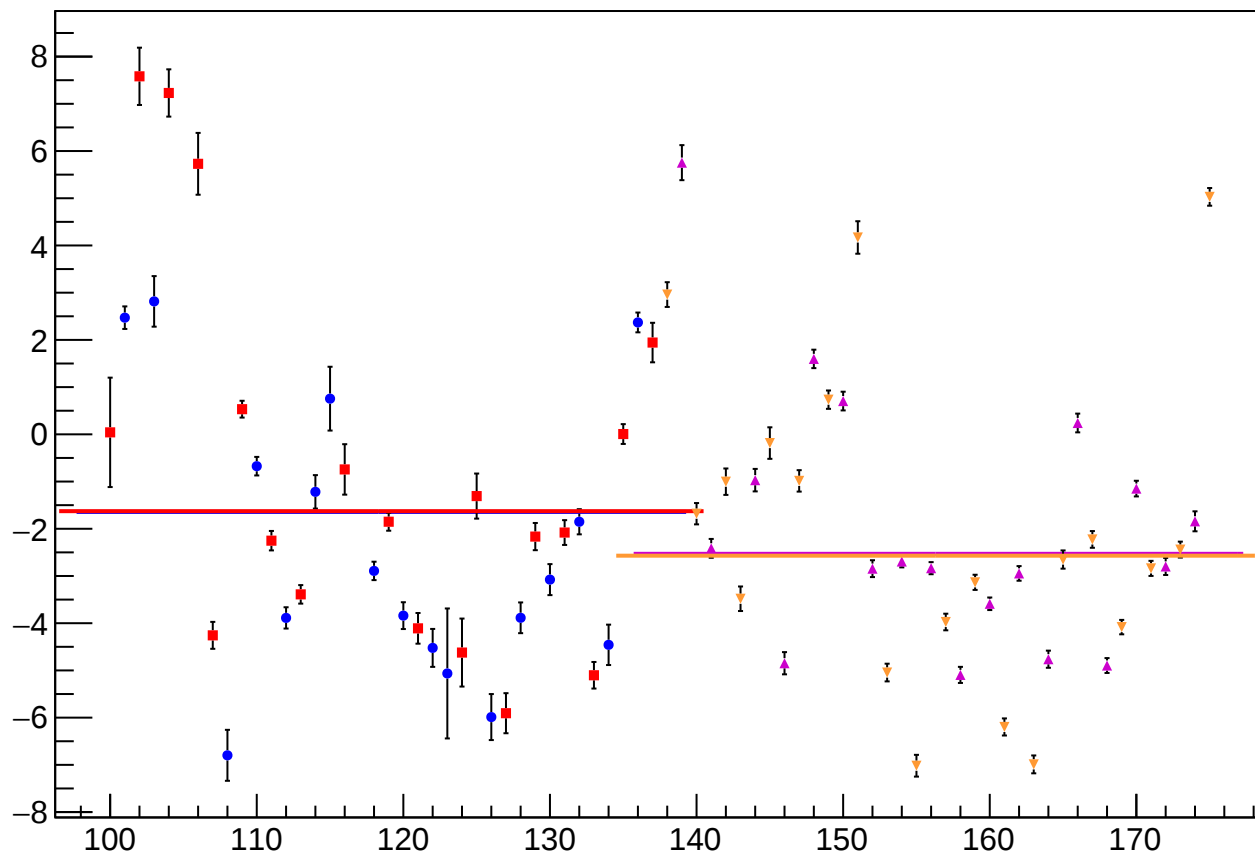
Left In: 18.686 ± 0.048 χ^2/NDF : 34490.5/17

+ sign 18.427 ± 0.047 χ^2/NDF : 95630.1/36

All: 16.477 ± 0.032 χ^2/NDF : 169323.1/73

- sign 14.830 ± 0.043 χ^2/NDF : 70538.0/36

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: -2.570 ± 0.044 χ^2/NDF : 4599.0/19

Right Out: -1.627 ± 0.067 χ^2/NDF : 1468.1/18

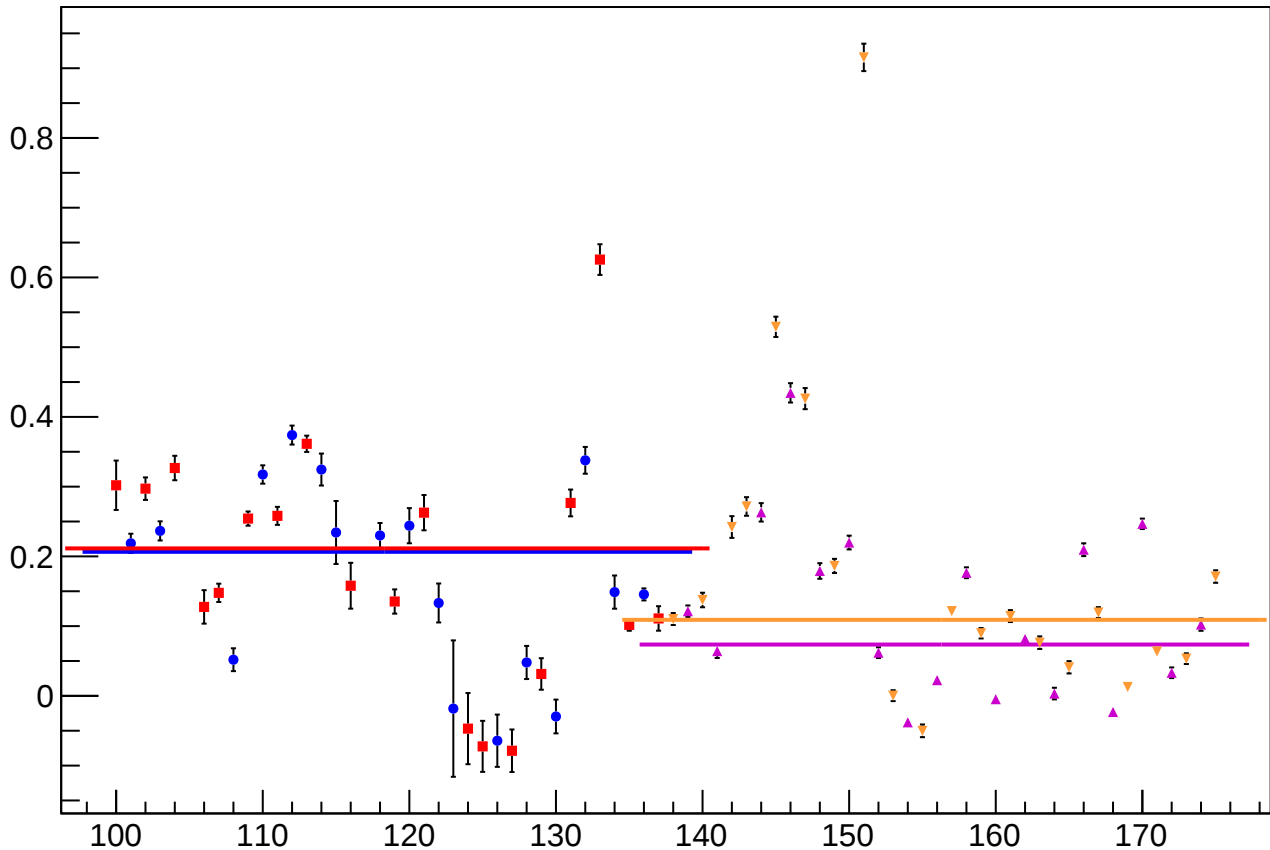
Left In: -2.531 ± 0.041 χ^2/NDF : 2312.6/17

+ sign -2.316 ± 0.038 χ^2/NDF : 6028.2/36

All: -2.299 ± 0.026 χ^2/NDF : 9941.7/73

- sign -2.284 ± 0.035 χ^2/NDF : 3913.1/36

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16

Left Out: 0.109 $\pm$ 0.002 χ^2/NDF : 4159.9/19

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

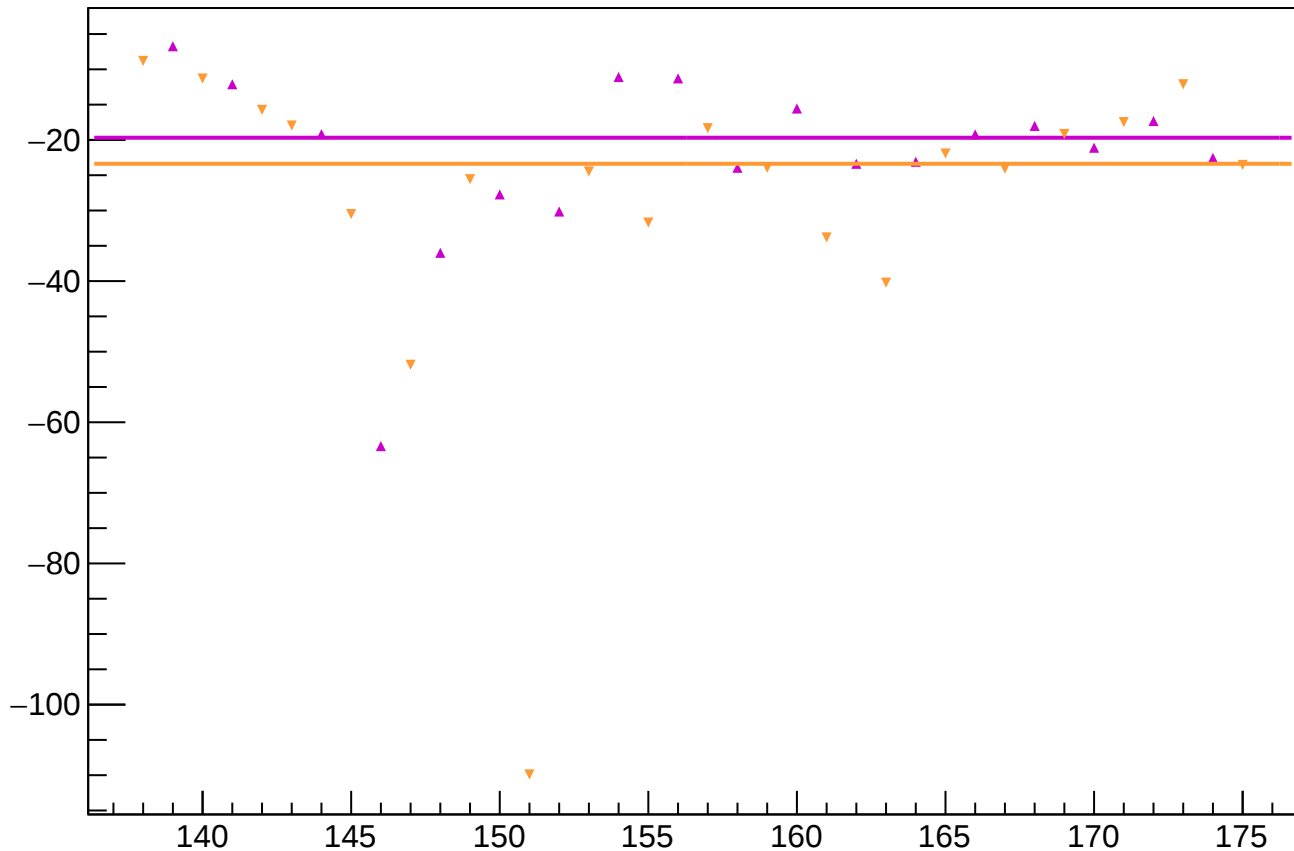
Left In: 0.074 $\pm$ 0.002 χ^2/NDF : 3255.7/17

+ sign 0.127 $\pm$ 0.002 χ^2/NDF : 5251.4/36

All: 0.111 $\pm$ 0.001 χ^2/NDF : 10880.0/73

- sign 0.099 $\pm$ 0.002 χ^2/NDF : 5495.8/36

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -23.379 $\pm$ 0.053 χ^2/NDF : 61034.7/19

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

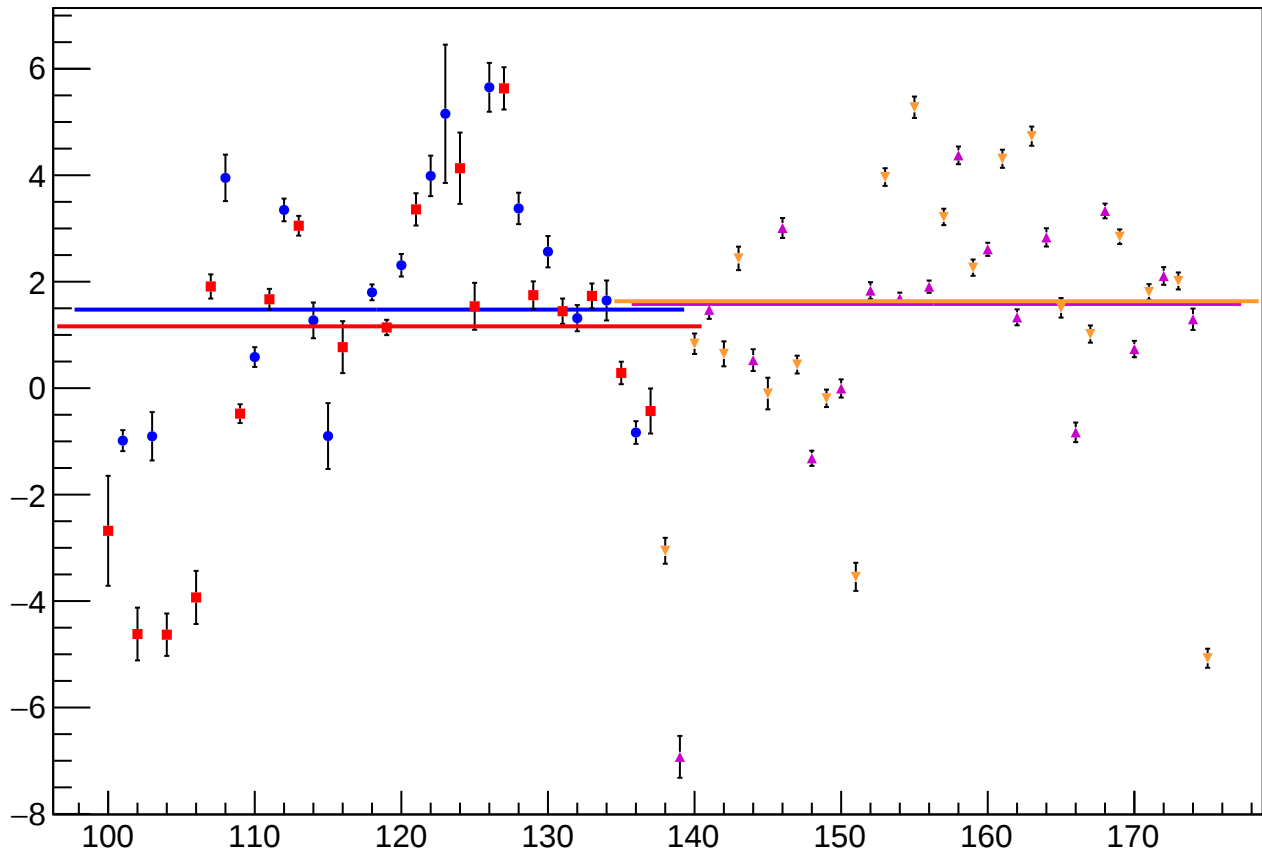
Left In: -19.690 $\pm$ 0.050 χ^2/NDF : 36613.8/17

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

All: -21.422 $\pm$ 0.036 χ^2/NDF : 100240.2/37

- sign 0.000 $\pm$ 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: 1.633 $\pm$ 0.040 χ^2 /NDF: 3701.8/19

Right Out: 1.161 $\pm$ 0.060 χ^2 /NDF: 917.9/18

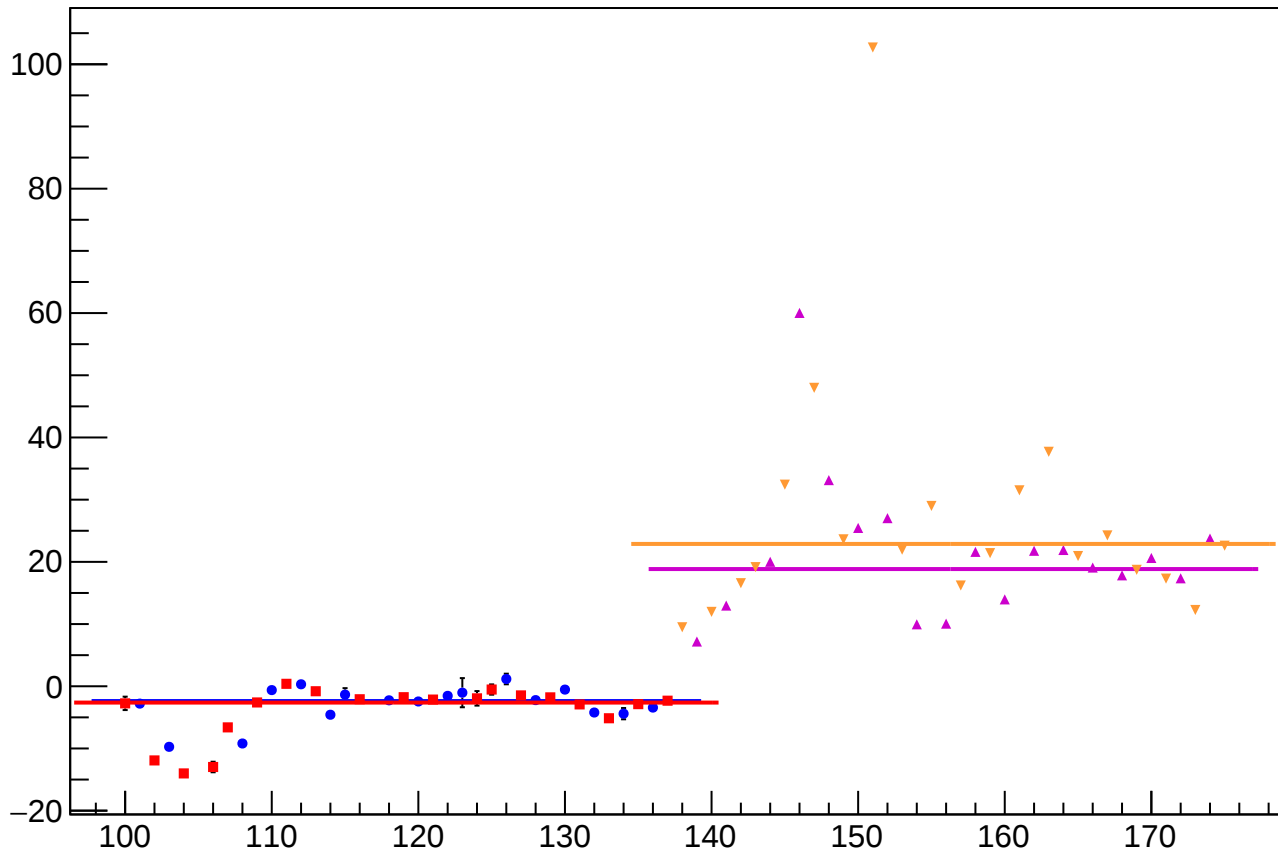
Left In: 1.582 $\pm$ 0.037 χ^2 /NDF: 1843.2/17

+ sign 1.589 $\pm$ 0.034 χ^2 /NDF: 4365.9/36

All: 1.523 $\pm$ 0.023 χ^2 /NDF: 7169.7/73

- sign 1.467 $\pm$ 0.031 χ^2 /NDF: 2796.9/36

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 22.884 ± 0.052 $\chi^2/\text{NDF}: 54387.6/19$

Right Out: -2.623 ± 0.103 $\chi^2/\text{NDF}: 841.3/18$

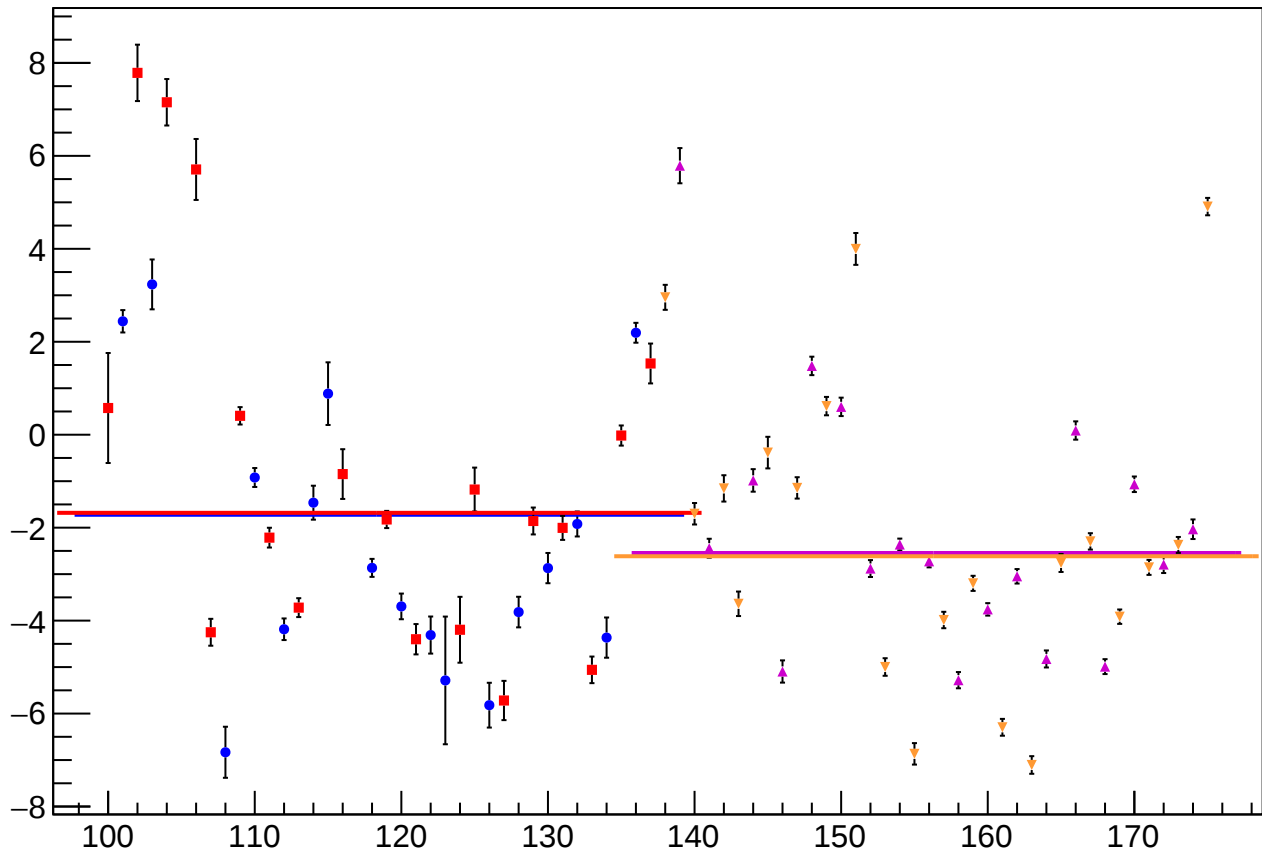
Left In: 18.845 ± 0.049 $\chi^2/\text{NDF}: 34783.2/17$

+ sign 18.555 ± 0.048 $\chi^2/\text{NDF}: 94799.2/36$

All: 16.611 ± 0.032 $\chi^2/\text{NDF}: 168903.1/73$

- sign 14.955 ± 0.044 $\chi^2/\text{NDF}: 71016.2/36$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -2.615 ± 0.045 χ^2/NDF : 4448.6/19

Right Out: -1.681 ± 0.068 χ^2/NDF : 1431.0/18

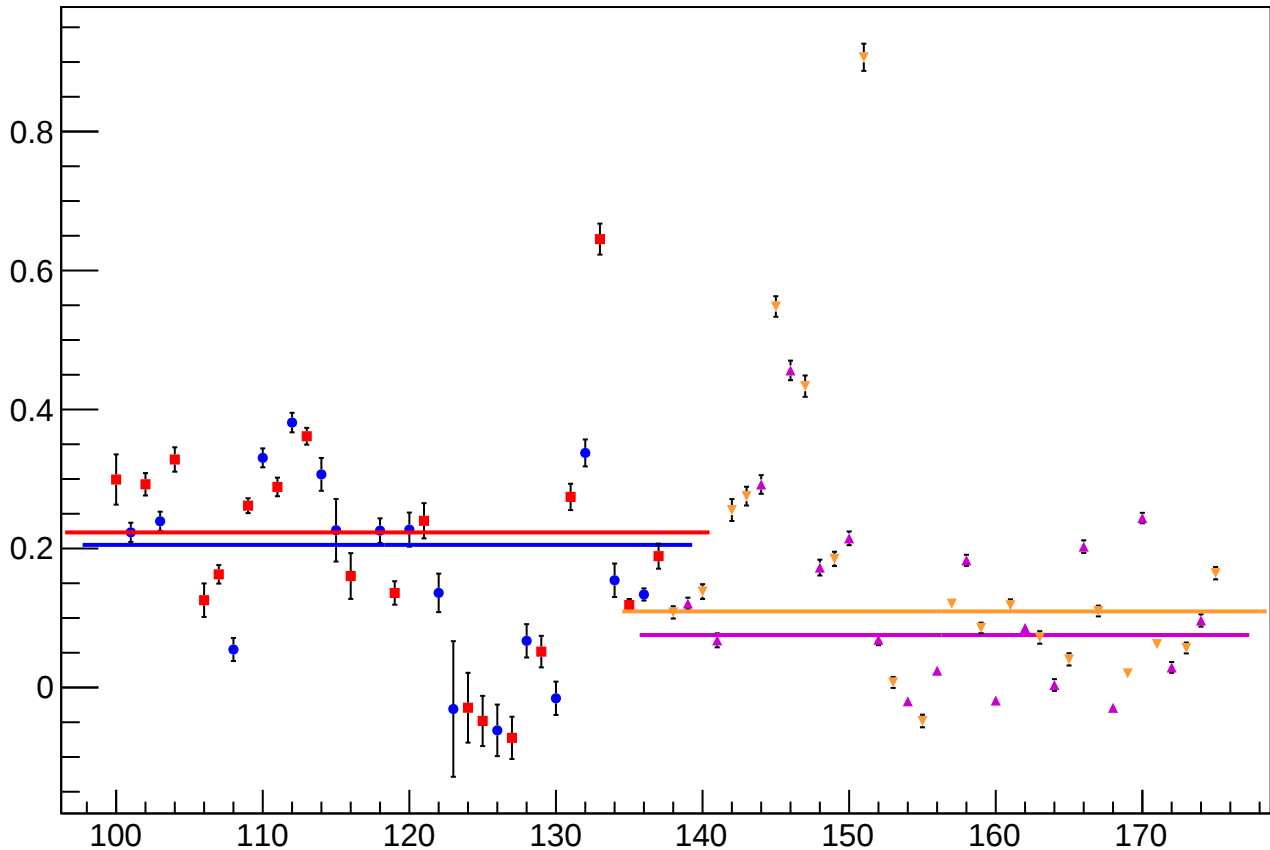
Left In: -2.545 ± 0.042 χ^2/NDF : 2299.5/17

+ sign -2.371 ± 0.038 χ^2/NDF : 5804.5/36

All: -2.338 ± 0.026 χ^2/NDF : 9654.2/73

- sign -2.310 ± 0.035 χ^2/NDF : 3848.3/36

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.109 ± 0.002 χ^2/NDF : 4127.8/19

Right Out: 0.223 ± 0.004 χ^2/NDF : 1040.5/18

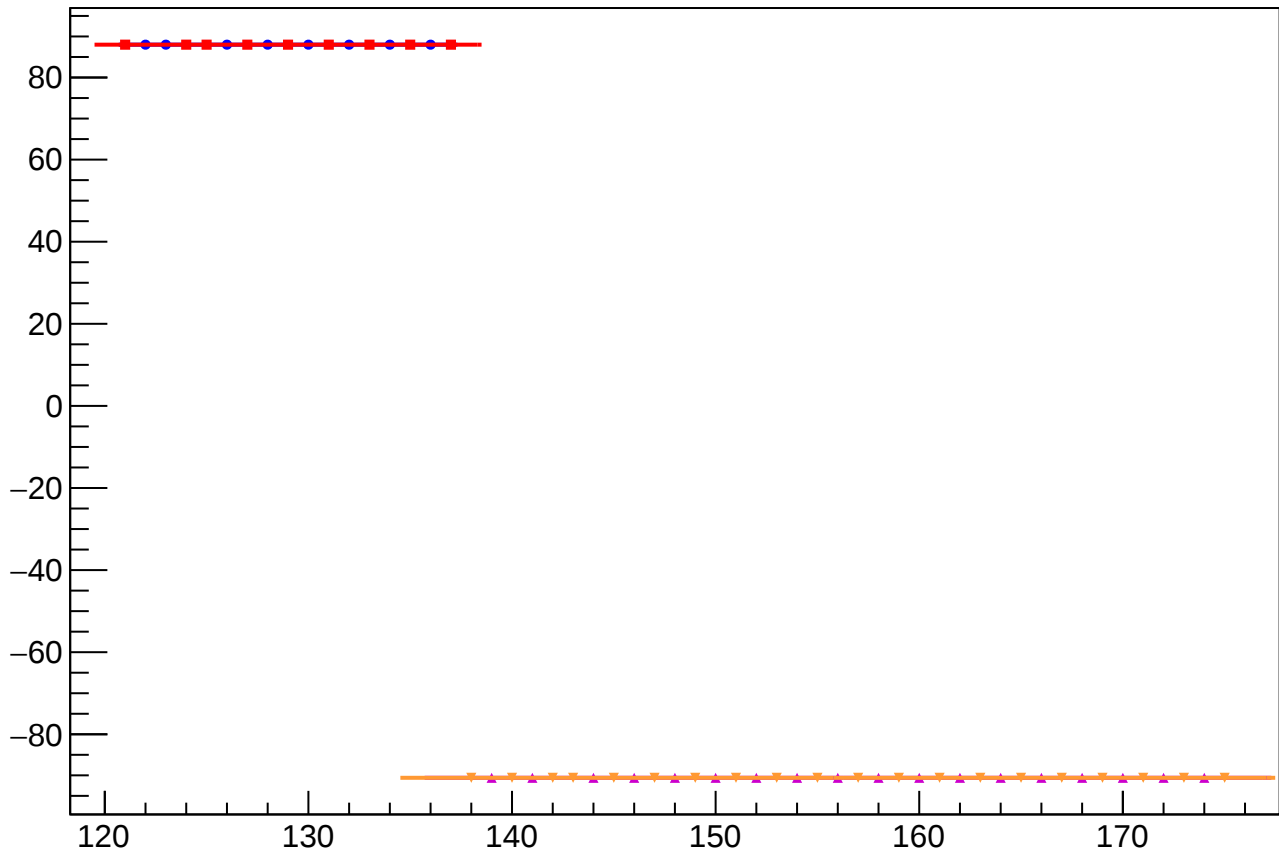
Left In: 0.076 ± 0.002 χ^2/NDF : 3225.6/17

+ sign 0.127 ± 0.002 χ^2/NDF : 5188.3/36

All: 0.113 ± 0.001 χ^2/NDF : 10762.1/73

- sign 0.102 ± 0.002 χ^2/NDF : 5474.0/36

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5508748.2/19

Right Out: 88.001 $\pm$ 0.000 χ^2 /NDF: 109456.0/8

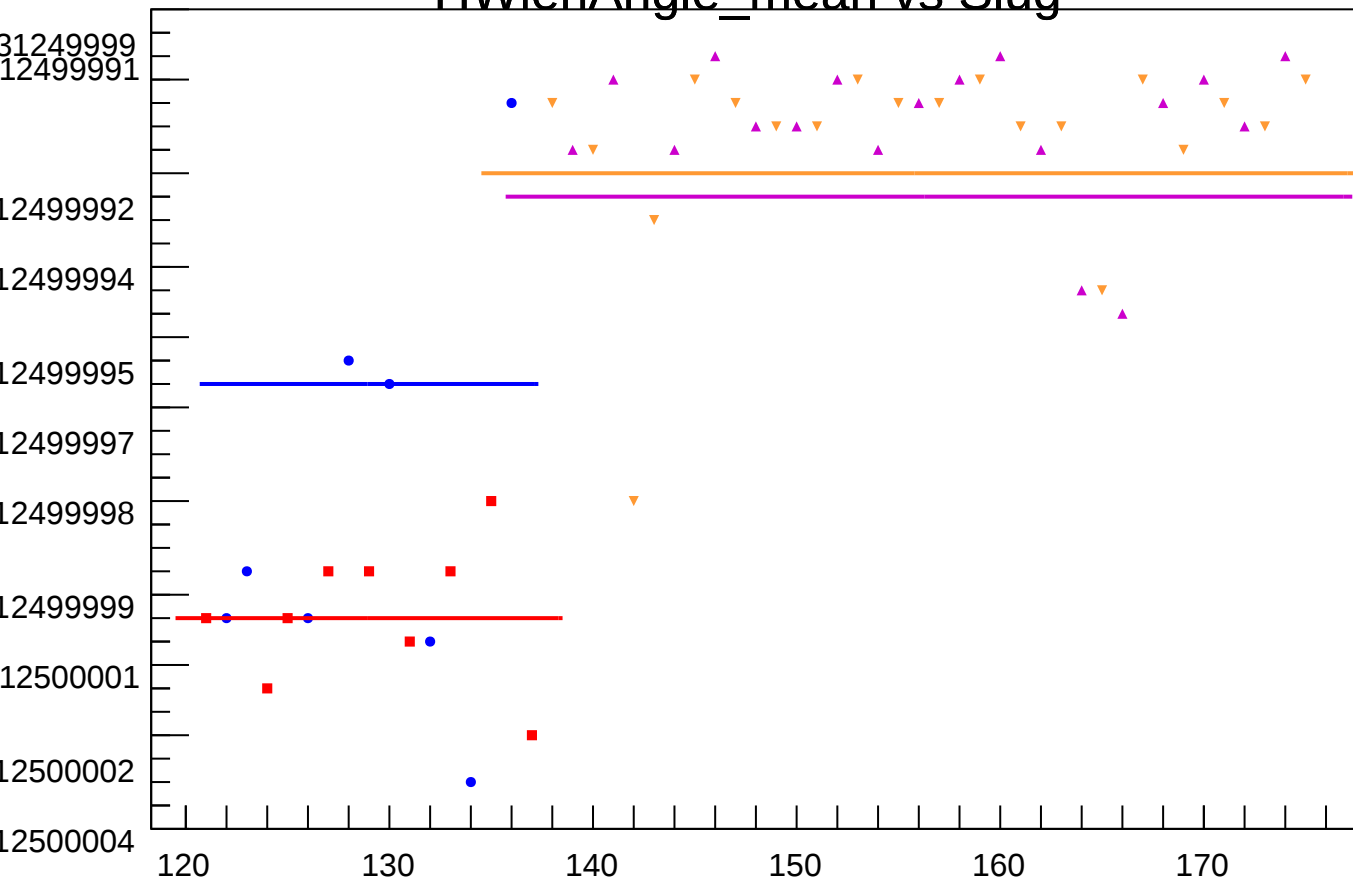
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5159781.4/17

+ sign -58.417 $\pm$ 0.000 χ^2 /NDF: 894339473652263

All: -58.414 $\pm$ 0.000 χ^2 /NDF: 172849636152

- sign -58.411 $\pm$ 0.000 χ^2 /NDF: 8341568840248573

HWienAngle_mean vs Slug



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 288584.3/19

Right Out: -29.641+/-0.000 χ^2/NDF : 29358.2/8

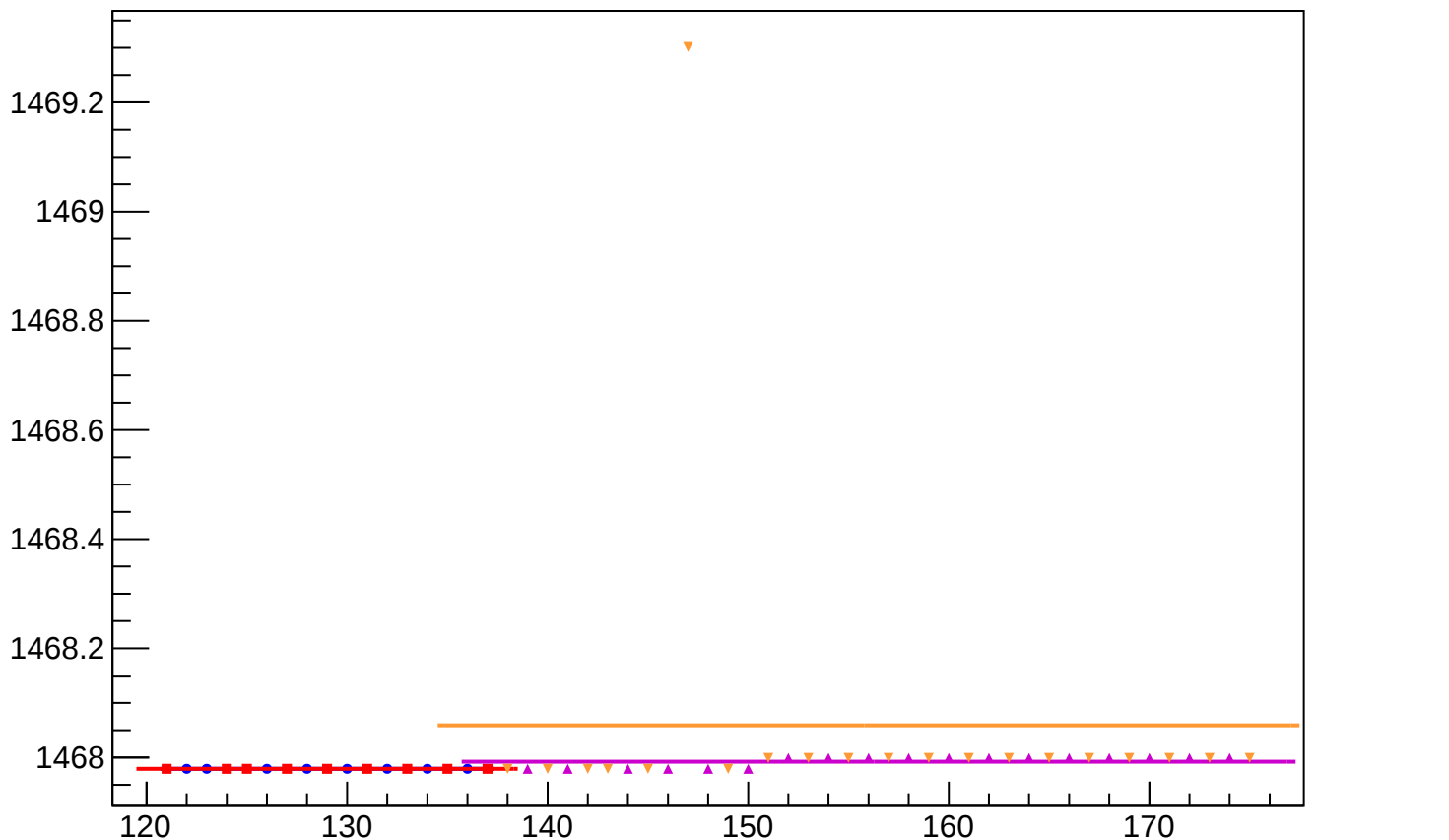
Left In: -29.641+/-0.000 χ^2/NDF : 329226.4/17

+ sign -29.641+/-0.000 χ^2/NDF : 1165734.5/27

All: -29.641+/-0.000 χ^2/NDF : 2725482.9/54

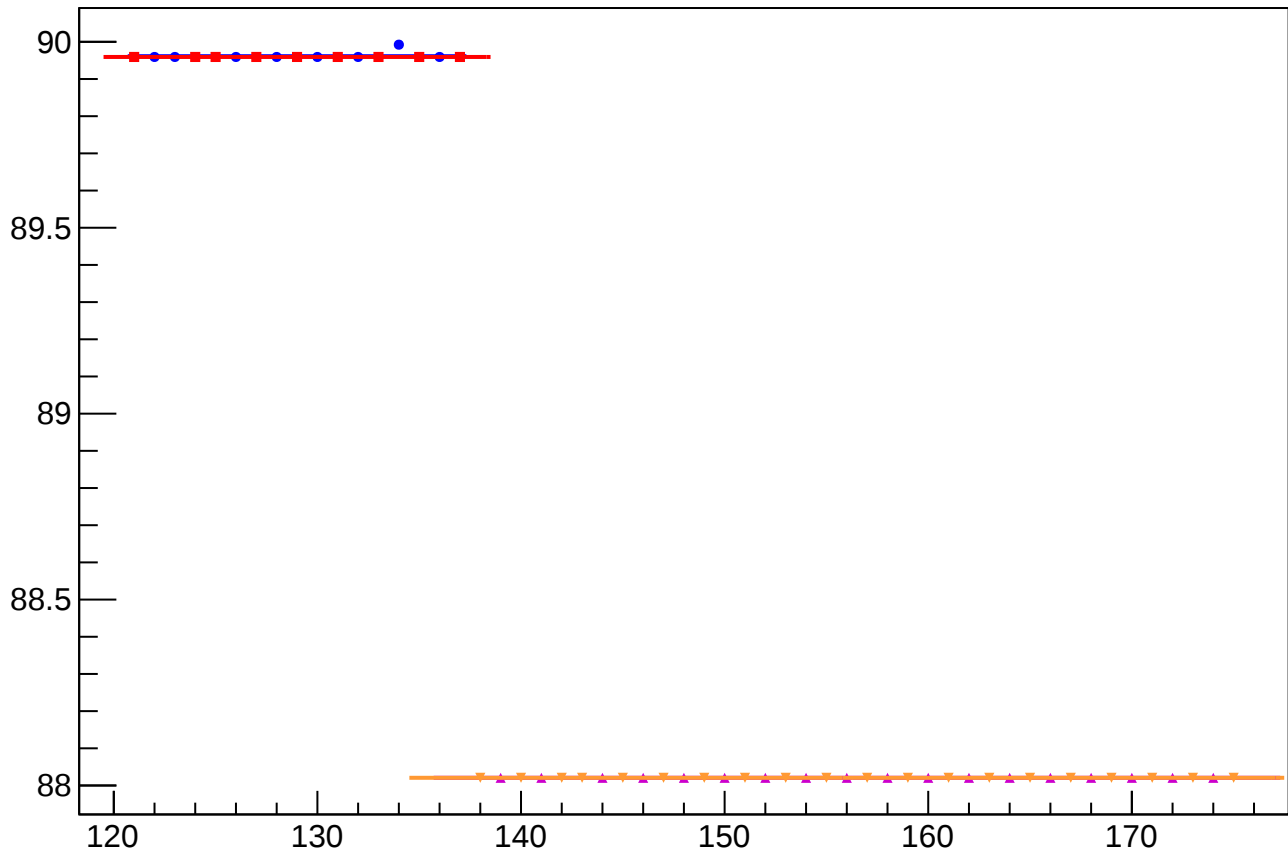
- sign -29.641+/-0.000 χ^2/NDF : 1519535.4/26

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7
 Left Out: 1468.059+/-0.000 χ^2/NDF : 126909153750954161884650968973312.0/19
 Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8
 Left In: 1467.992+/-0.000 χ^2/NDF : 131818056482371582149213028352.0/17
 + sign 1468.045+/-0.000 χ^2/NDF : 12868781814595
 All: 1468.018+/-0.000 χ^2/NDF : 13159626442
 - sign 1467.990+/-0.000 χ^2/NDF : 17618644062312

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: 5015994.2/19

Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 331397.3/8

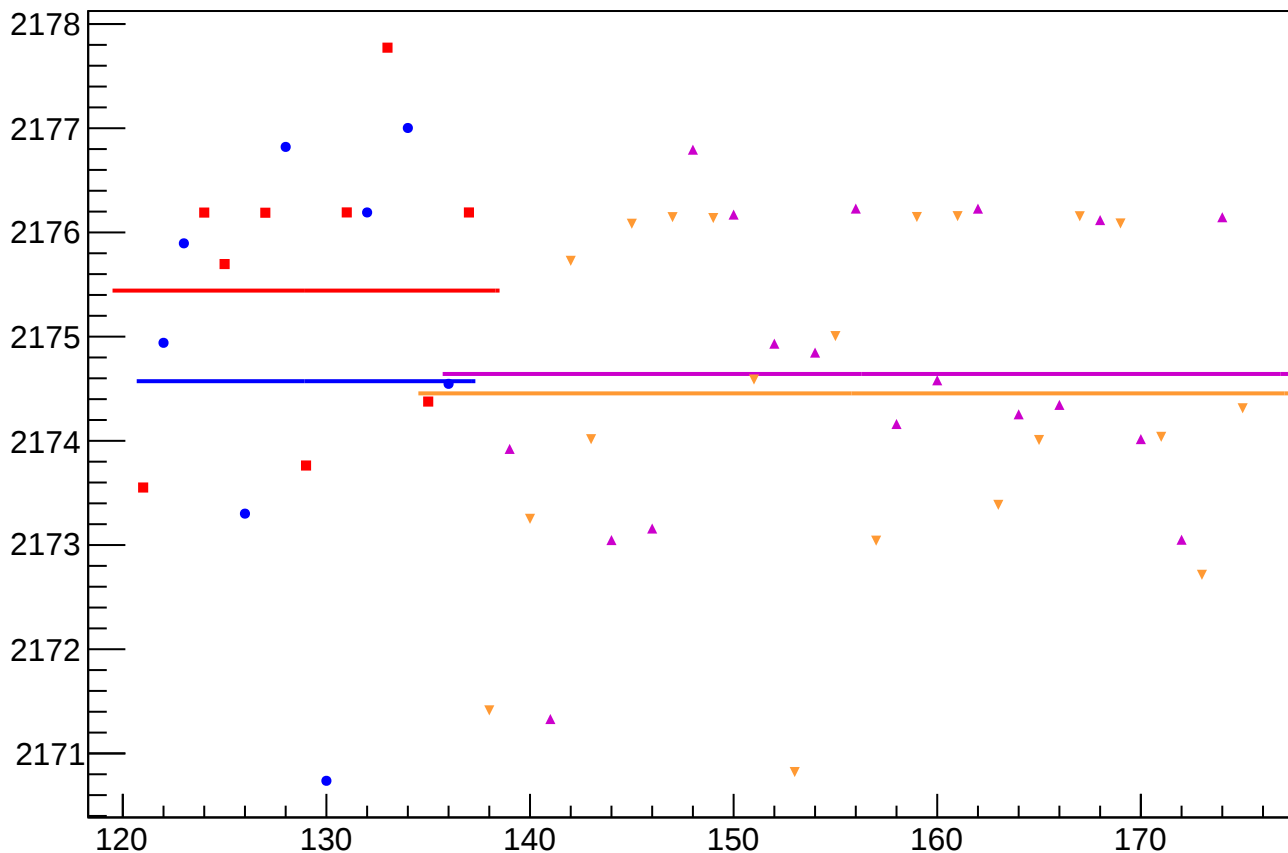
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 4674499.4/17

+ sign 88.370 $\pm$ 0.000 χ^2 /NDF: 1055919302740987

All: 88.370 $\pm$ 0.000 χ^2 /NDF: 2038704215786

- sign 88.370 $\pm$ 0.000 χ^2 /NDF: 9827848331979943

HALLA_p_mean vs Slug



Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.455+/-0.000 χ^2/NDF : 4205317873437321569058236640788480.0/19

Right Out: 2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

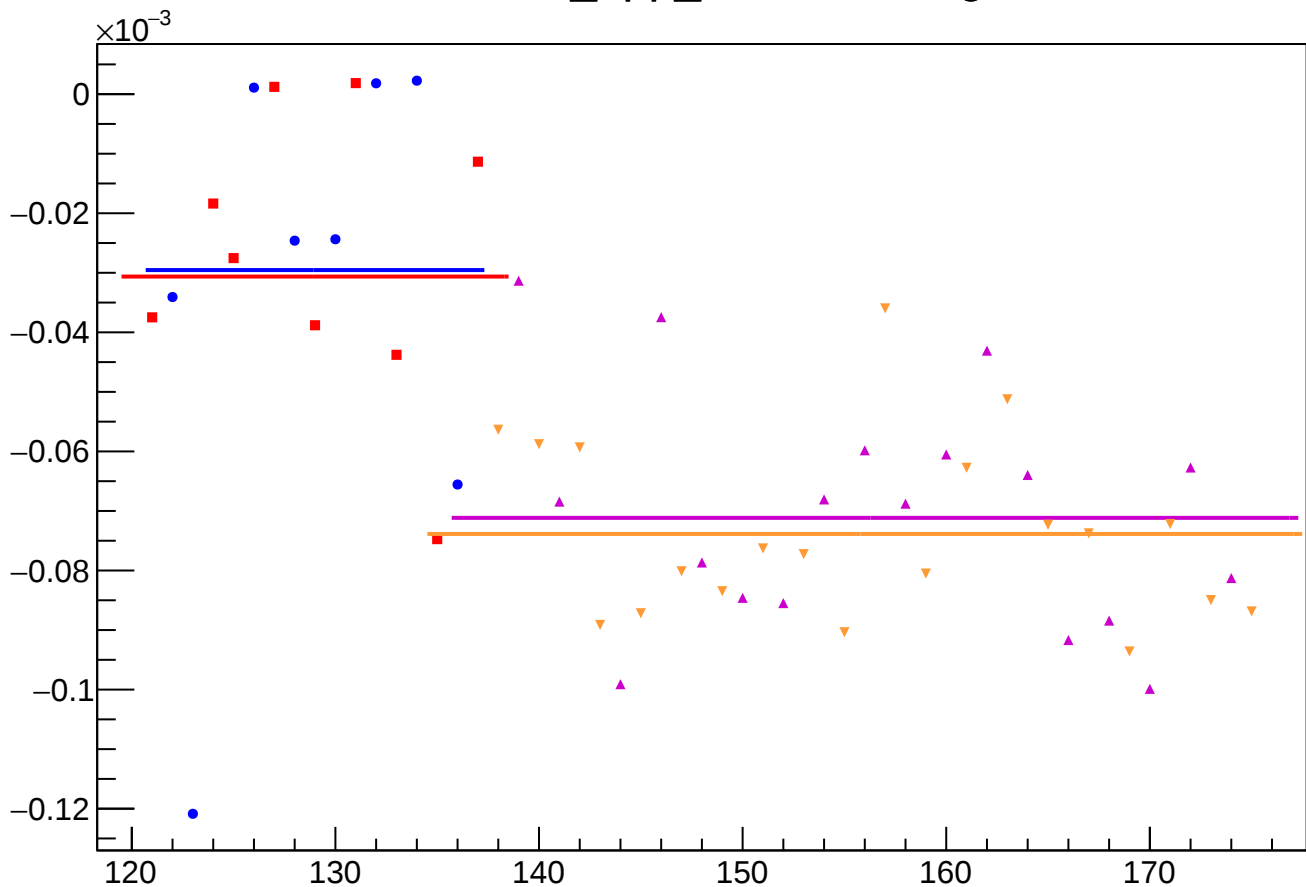
Left In: 2174.642+/-0.000 χ^2/NDF : 3016376771325964658632098408562688.0/17

+ sign 2174.477+/-0.000 χ^2/NDF : 55694205984654

All: 2174.626+/-0.000 χ^2/NDF : 94517111926

- sign 2174.786+/-0.000 χ^2/NDF : 37945699762400

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 : 342850263732356487577600.0/19

Right Out: -0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

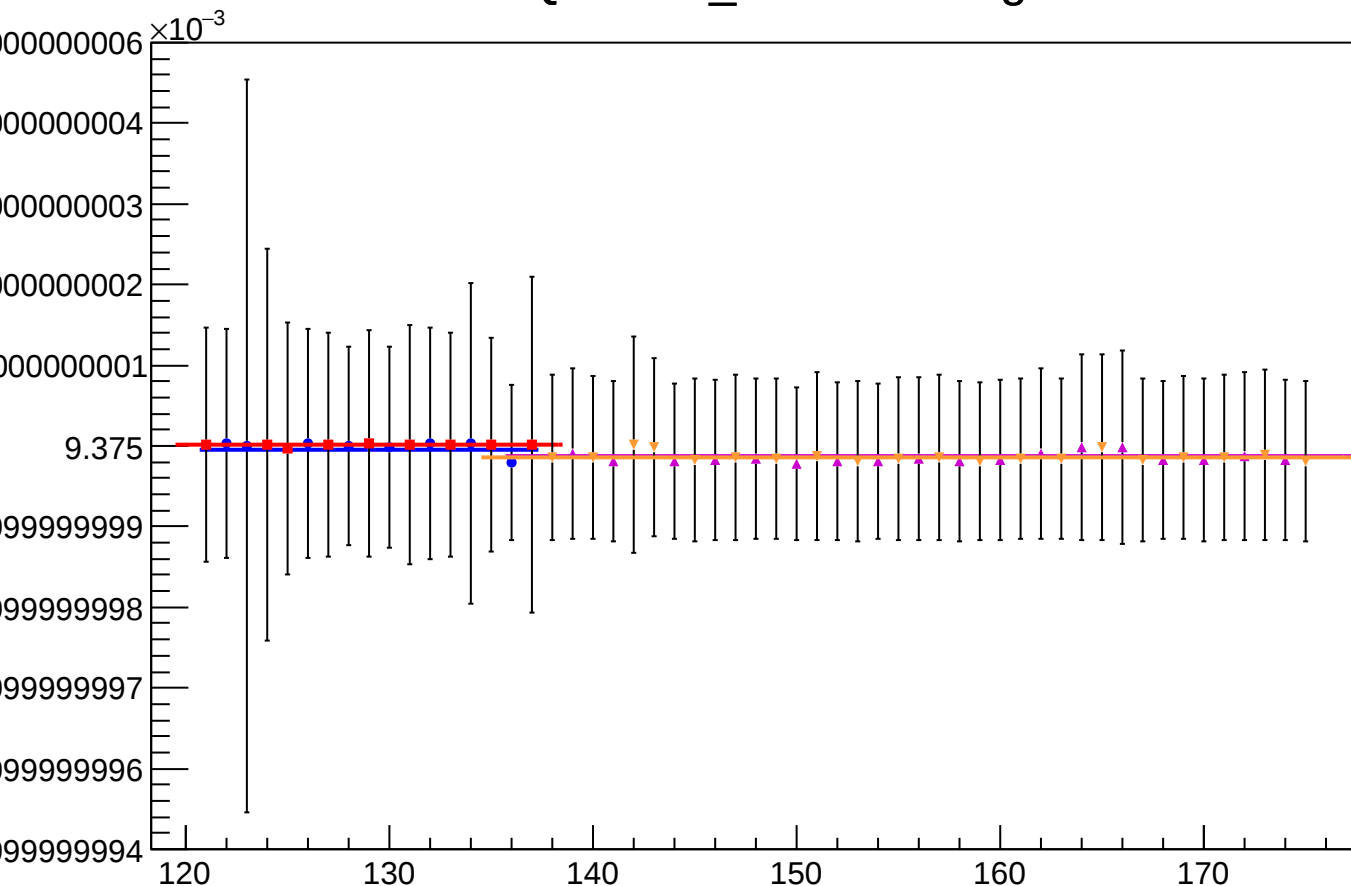
Left In: -0.000+/-0.000 χ^2/NDF : 534116823621160631533568.0/17

+ sign -0.000+/-0.000 χ^2/NDF : 1143672222001018

All: -0.000+/-0.000 χ^2/NDF : 2307692606165

- sign -0.000+/-0.000 χ^2/NDF : 11602717001860492

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: 0.0/19

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

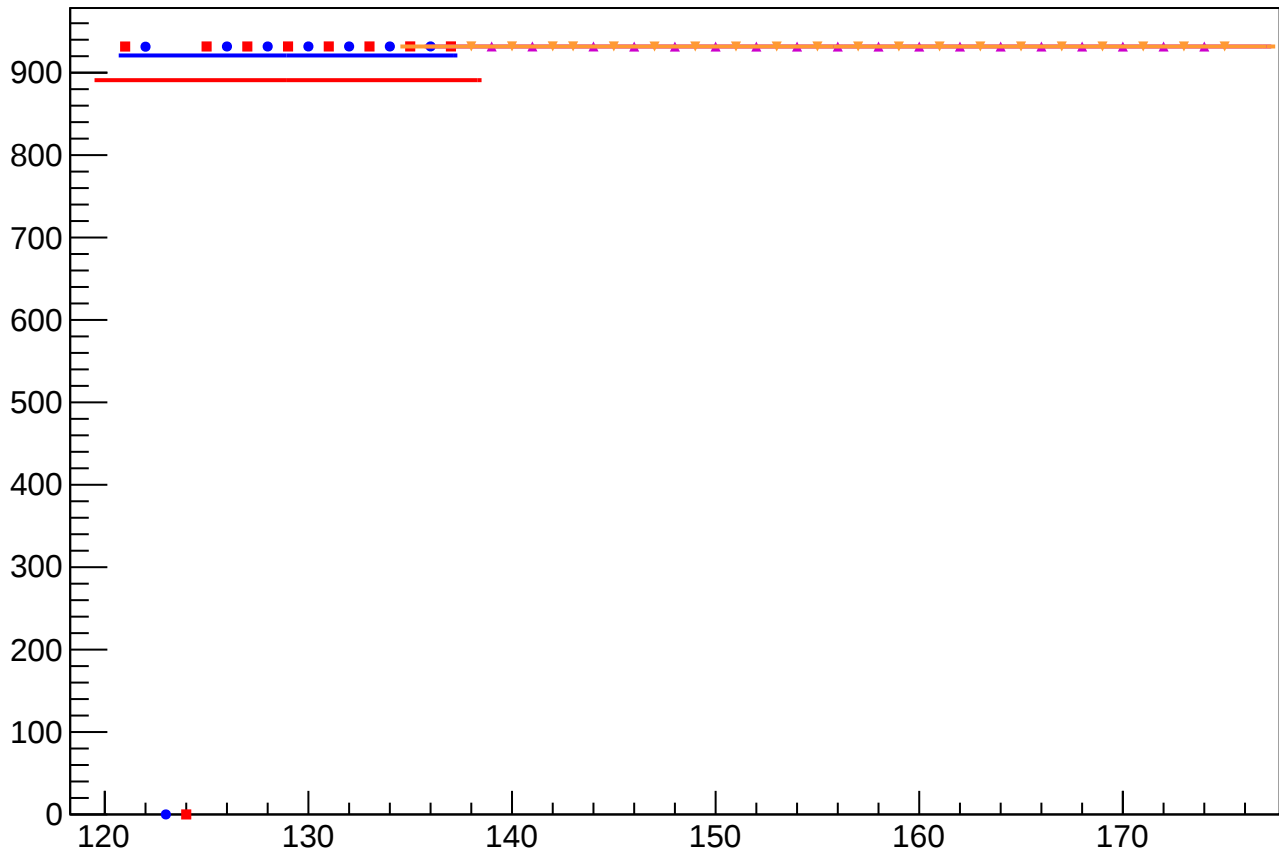
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/27

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/54

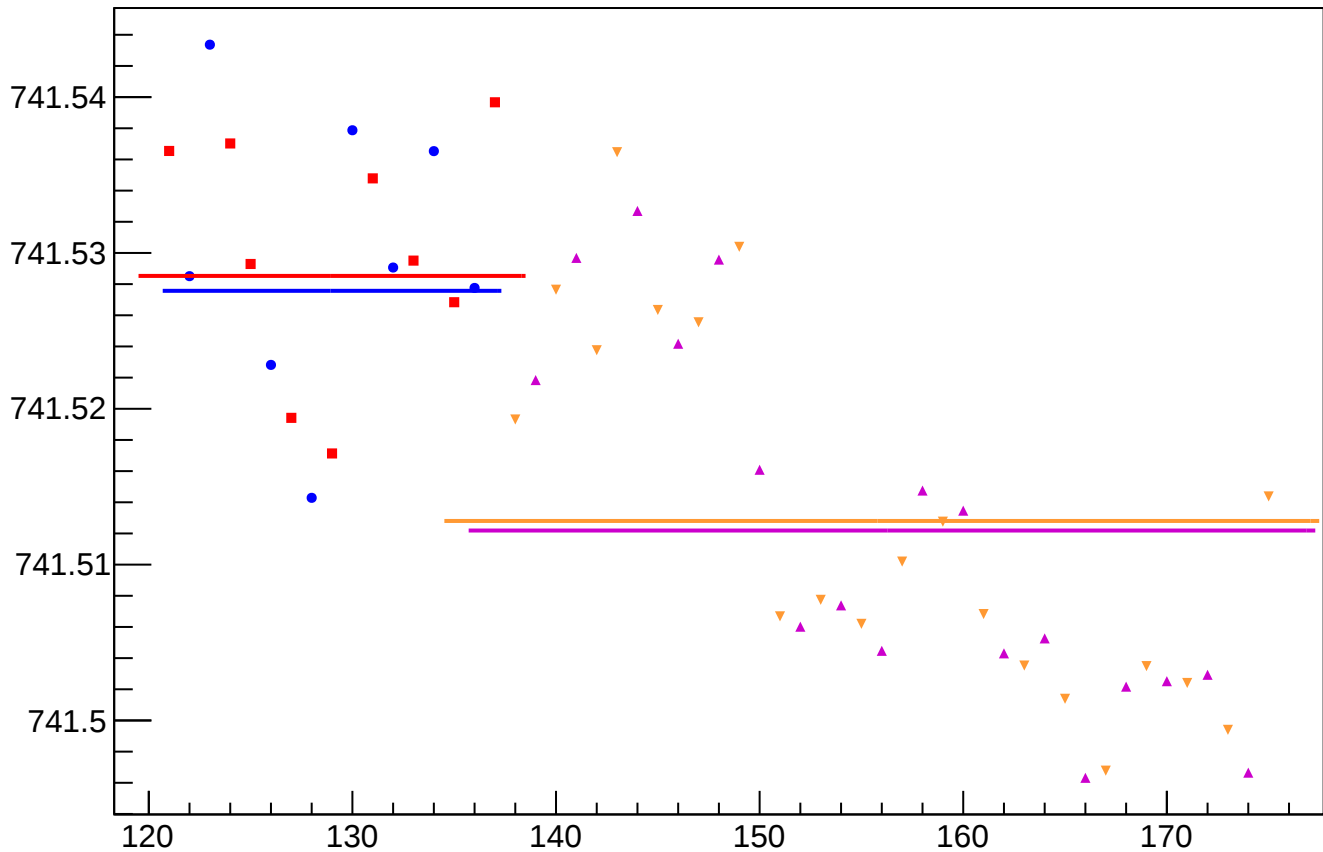
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/26

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 +/- 0.000 χ^2/NDF : 34321288419518999861299566212080992256.0/7
 Left Out: 931.785 +/- 0.000 χ^2/NDF : 3858411934443050735664017440768.0/19
 Right Out: 890.923 +/- 0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
 Left In: 931.775 +/- 0.000 χ^2/NDF : 3440922734059157174090953916416.0/17

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.513+/-0.000 χ^2/NDF : 195442786739944327869030727680.0/19

Right Out: 741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

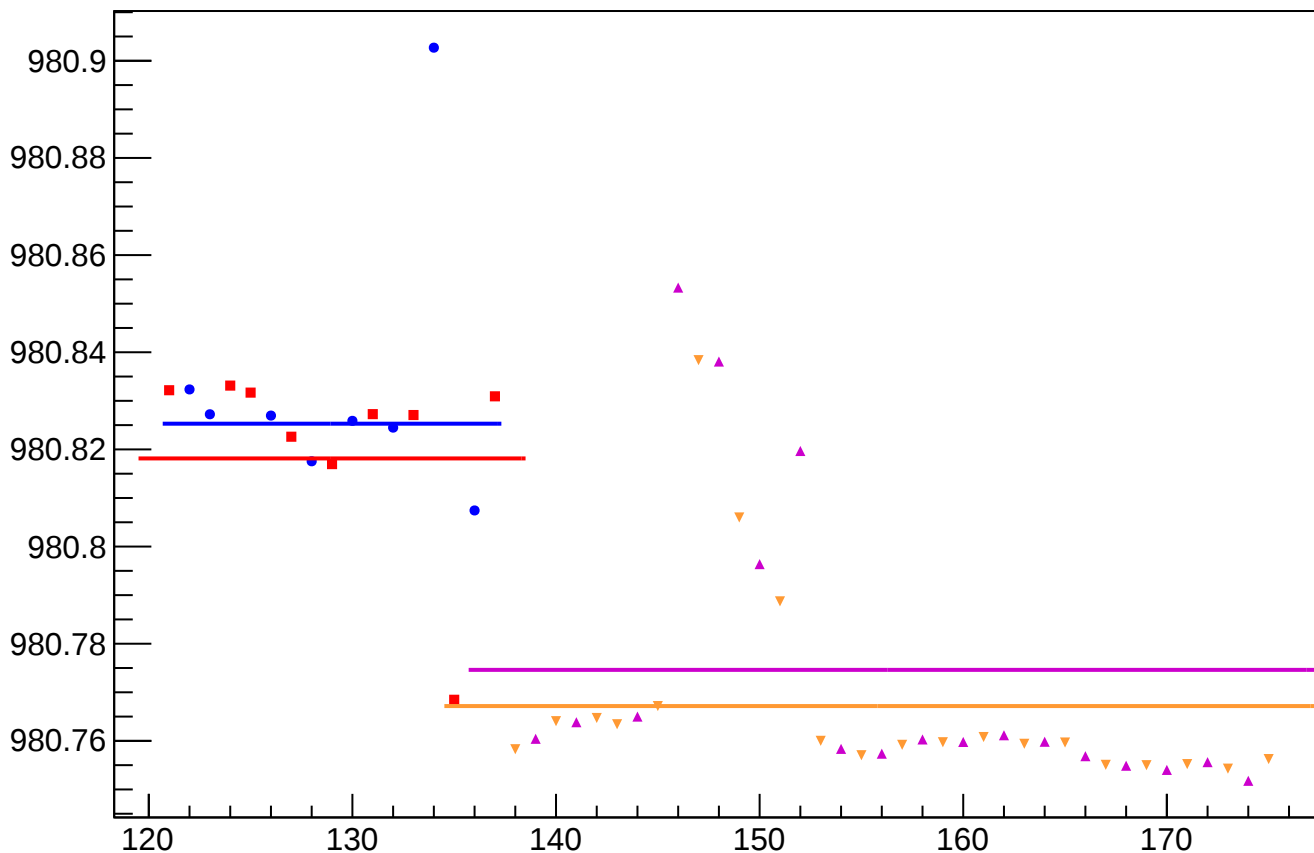
Left In: 741.512+/-0.000 χ^2/NDF : 184885971689019012423247462400.0/17

+ sign 741.515+/-0.000 χ^2/NDF : 275486166878226

All: 741.515+/-0.000 χ^2/NDF : 546862860290

- sign 741.515+/-0.000 χ^2/NDF : 271276731530037

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825 $\pm$ 0.000 χ^2 /NDF: 159345321268745350954763681792.0/7

Left Out: 980.767 $\pm$ 0.000 χ^2 /NDF: 658287090231265625928401682432.0/19

Right Out: 980.818 $\pm$ 0.000 χ^2 /NDF: 143689912167528137563261894656.0/8

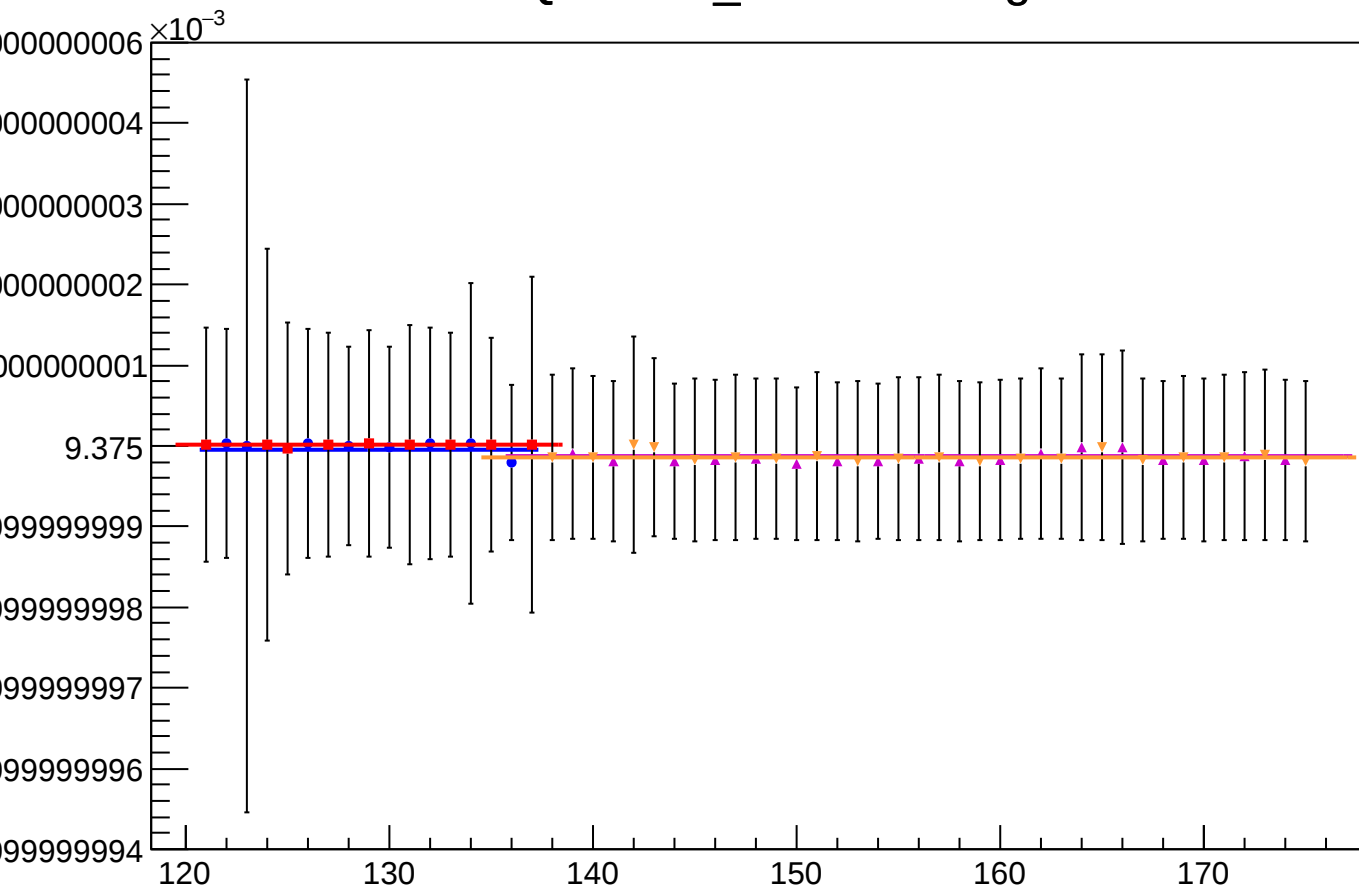
Left In: 980.775 $\pm$ 0.000 χ^2 /NDF: 1372437756069350011037884088320.0/17

+ sign 980.778 $\pm$ 0.000 χ^2 /NDF: 176502306130850

All: 980.780 $\pm$ 0.000 χ^2 /NDF: 379786687048

- sign 980.782 $\pm$ 0.000 χ^2 /NDF: 201154670181740

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:0.0/19

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

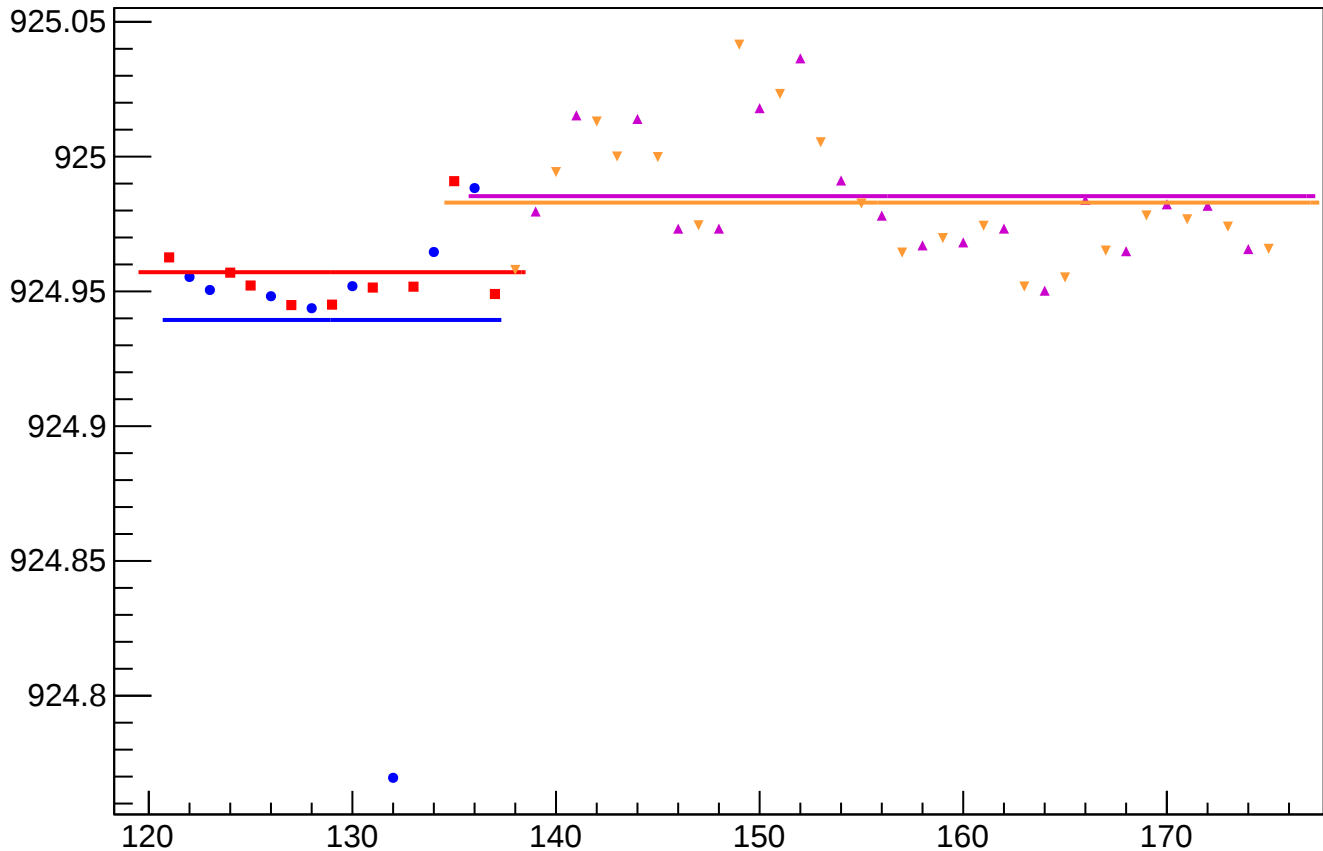
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/17

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/27

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/54

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/26

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 $\pm$ 0.000

χ^2 /NDF: 1401458495809517406218388242432.0/7

Left Out: 924.983 $\pm$ 0.000

χ^2 /NDF: 844259595256691386369475346432.0/19

Right Out: 924.957 $\pm$ 0.000

χ^2 /NDF: 71808709366506786060310151168.0/8

Left In: 924.985 $\pm$ 0.000

χ^2 /NDF: 716896244509161762519850680320.0/17

+ sign 924.975 $\pm$ 0.000

χ^2 /NDF: 277716258504202

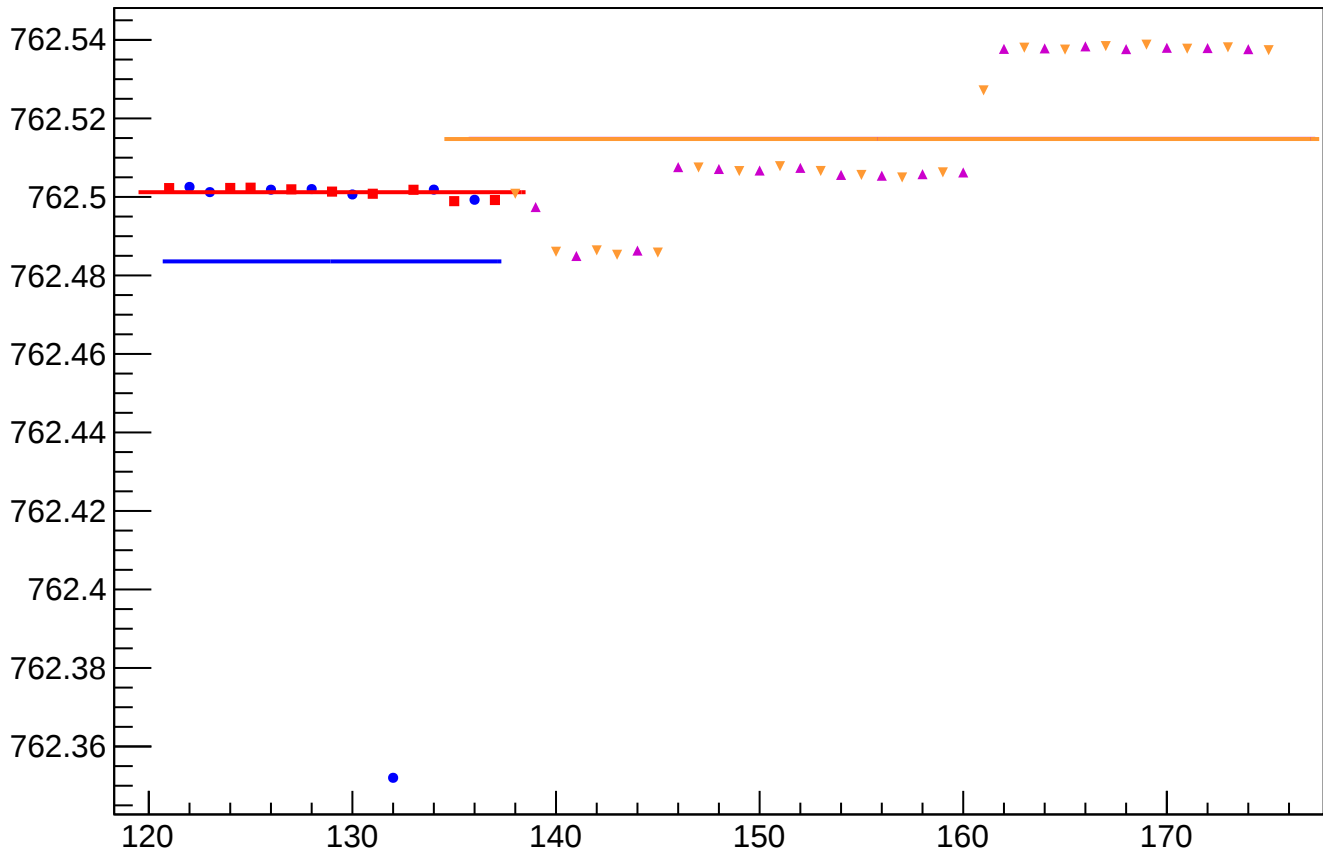
All: 924.978 $\pm$ 0.000

χ^2 /NDF: 379829535473

- sign 924.980 $\pm$ 0.000

χ^2 /NDF: 996816113900277

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484+/-0.000

χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.515+/-0.000

χ^2/NDF : 594978733737028996429212811264.0/19

Right Out: 762.501+/-0.000

χ^2/NDF : 469794702848036819563446272.0/8

Left In: 762.515+/-0.000

χ^2/NDF : 494698734051504235416947523584.0/17

+ sign 762.509+/-0.000

χ^2/NDF : 165191139130062

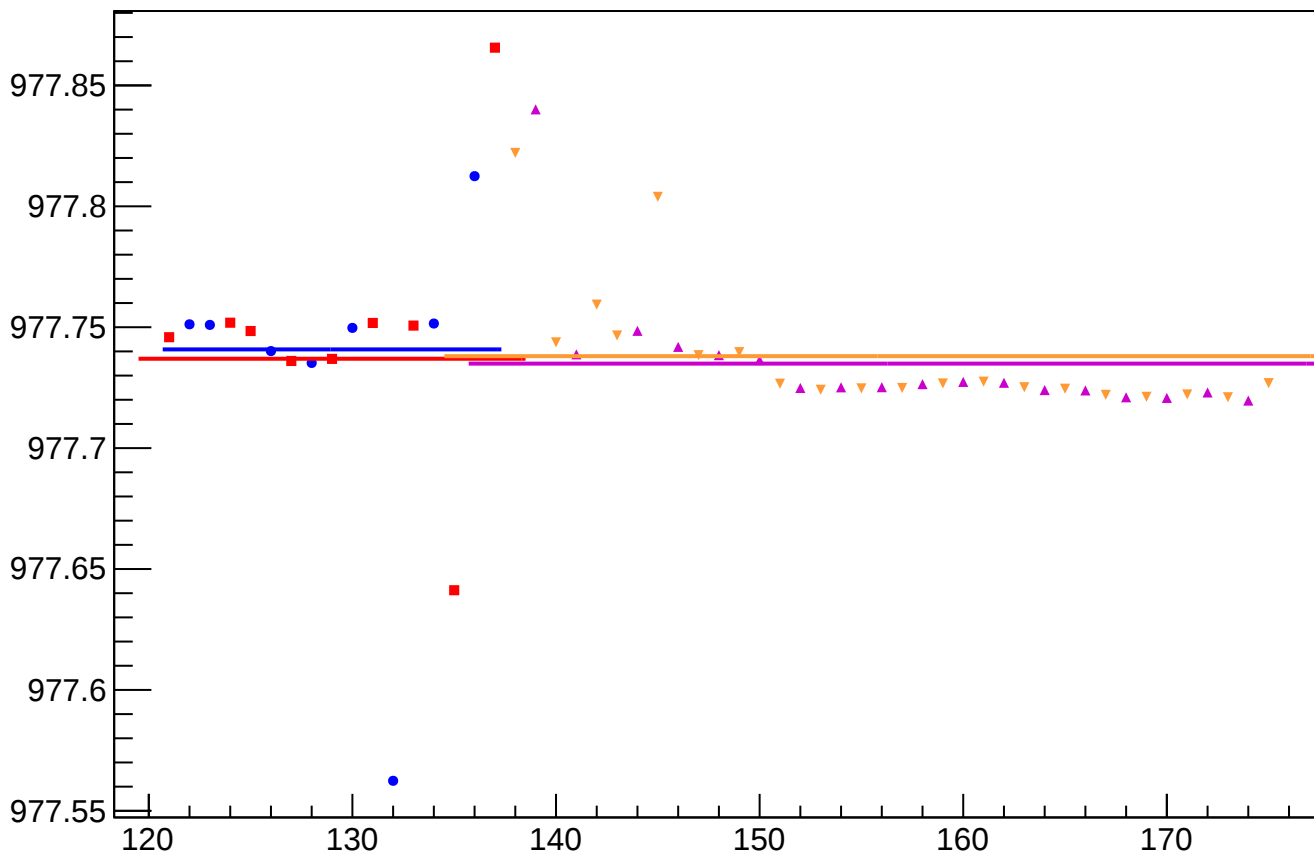
All: 762.511+/-0.000

χ^2/NDF : 220483503168

- sign 762.512+/-0.000

χ^2/NDF : 543476866940977

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741 $\pm$ 0.000 χ^2 /NDF: 1738104571804792841781326643200.0/7

Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1127215311523322847280037363712.0/19

Right Out: 977.737 $\pm$ 0.000 χ^2 /NDF: 772313054358211830610902646784.0/8

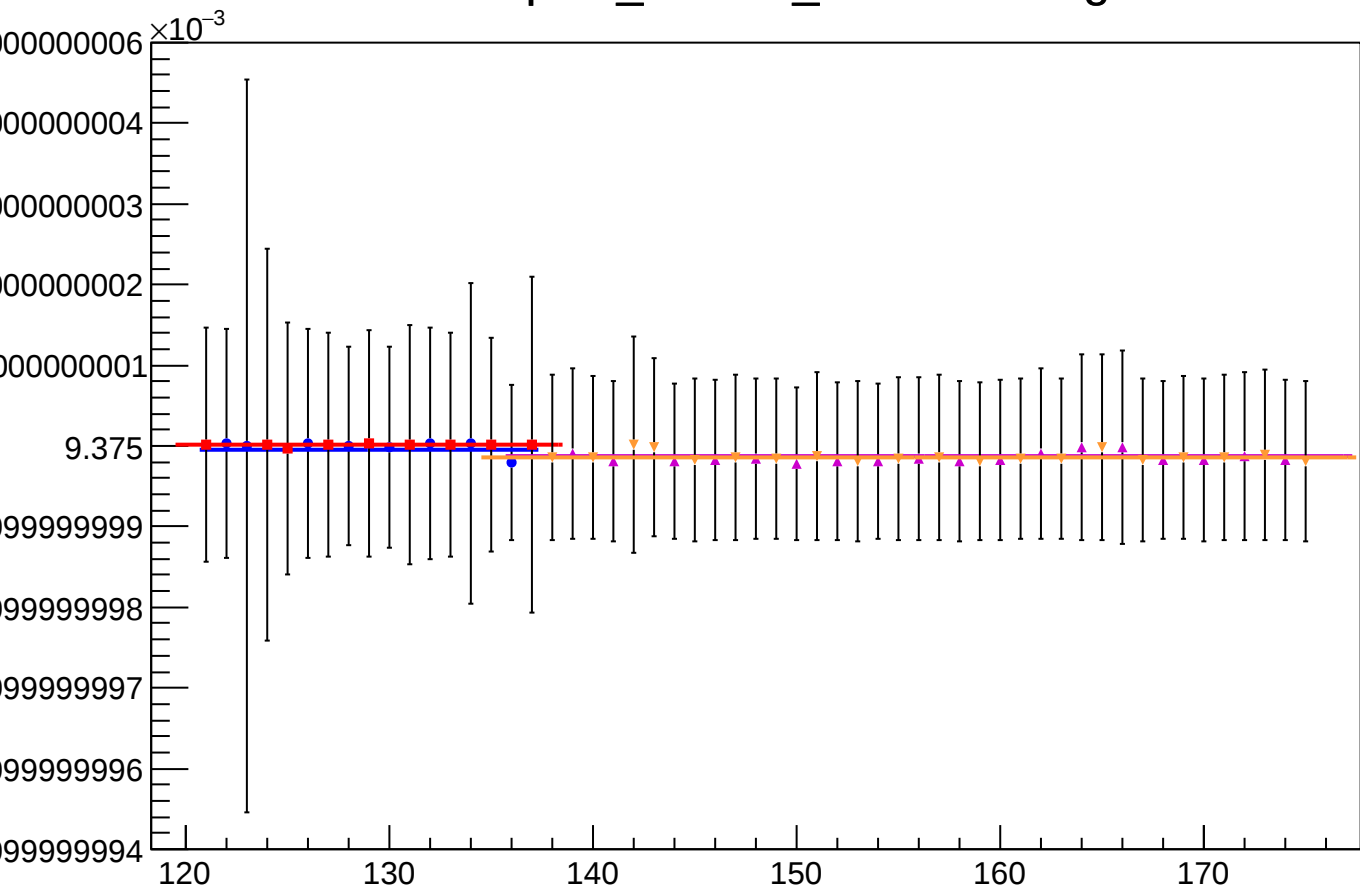
Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 959347616001683134177848852480.0/17

+ sign 977.739 $\pm$ 0.000 χ^2 /NDF: 286751644516057

All: 977.737 $\pm$ 0.000 χ^2 /NDF: 46097449589

- sign 977.735 $\pm$ 0.000 χ^2 /NDF: 173272246741230

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:0.0/19

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

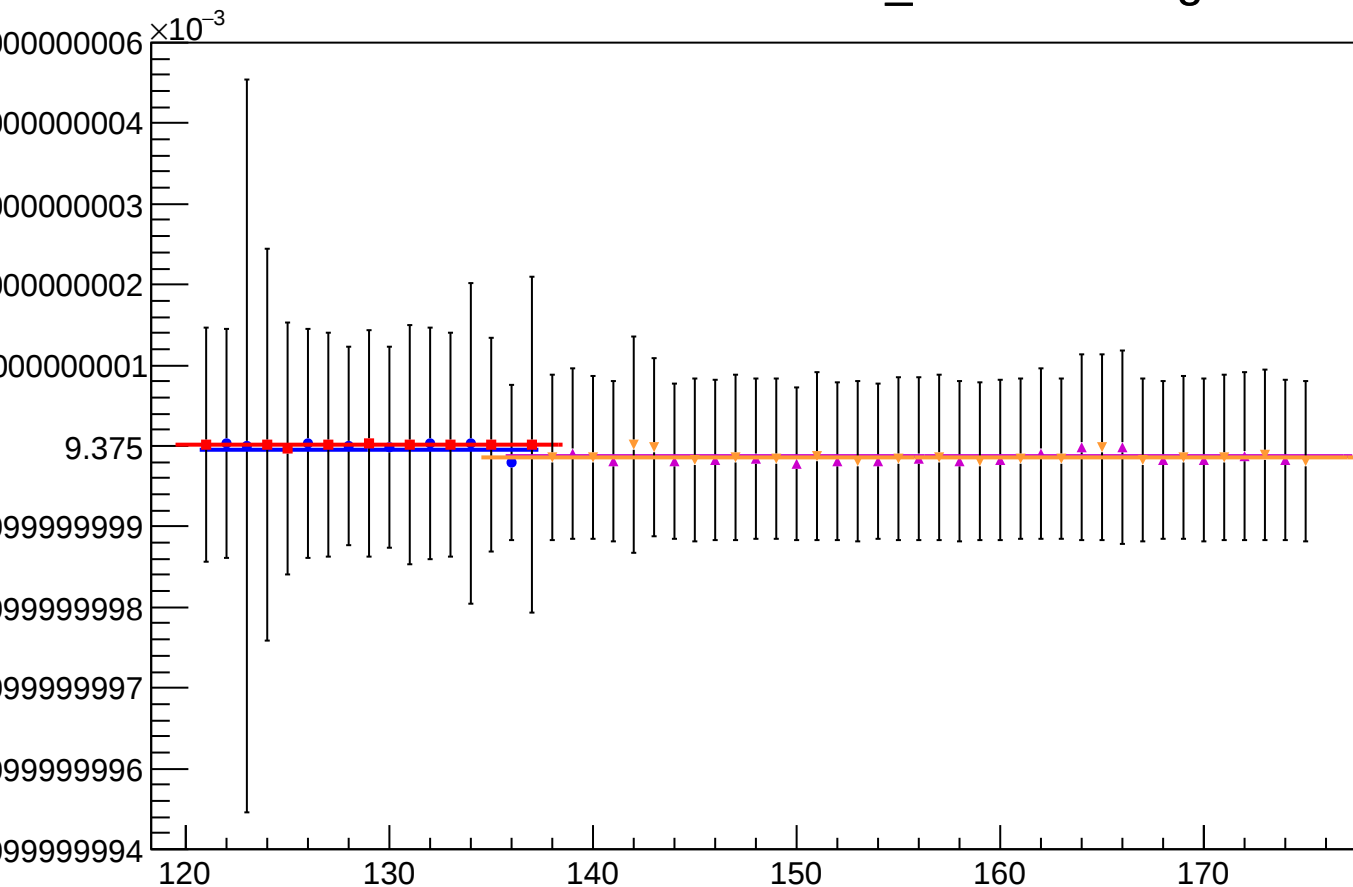
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/17

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/27

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/54

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/26

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: 0.0/19

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

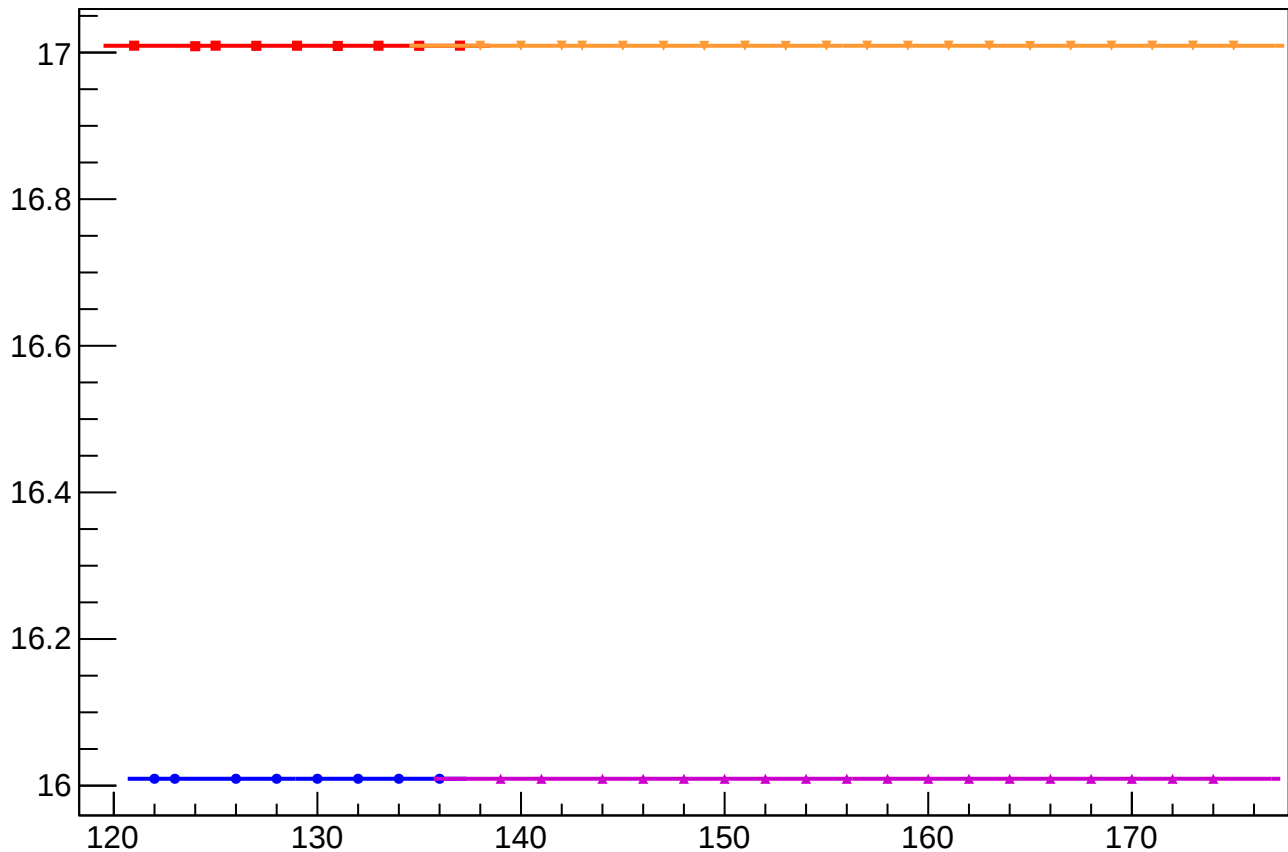
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/17

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/27

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/54

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/26

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: 23166597556081921970143232.0/19

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

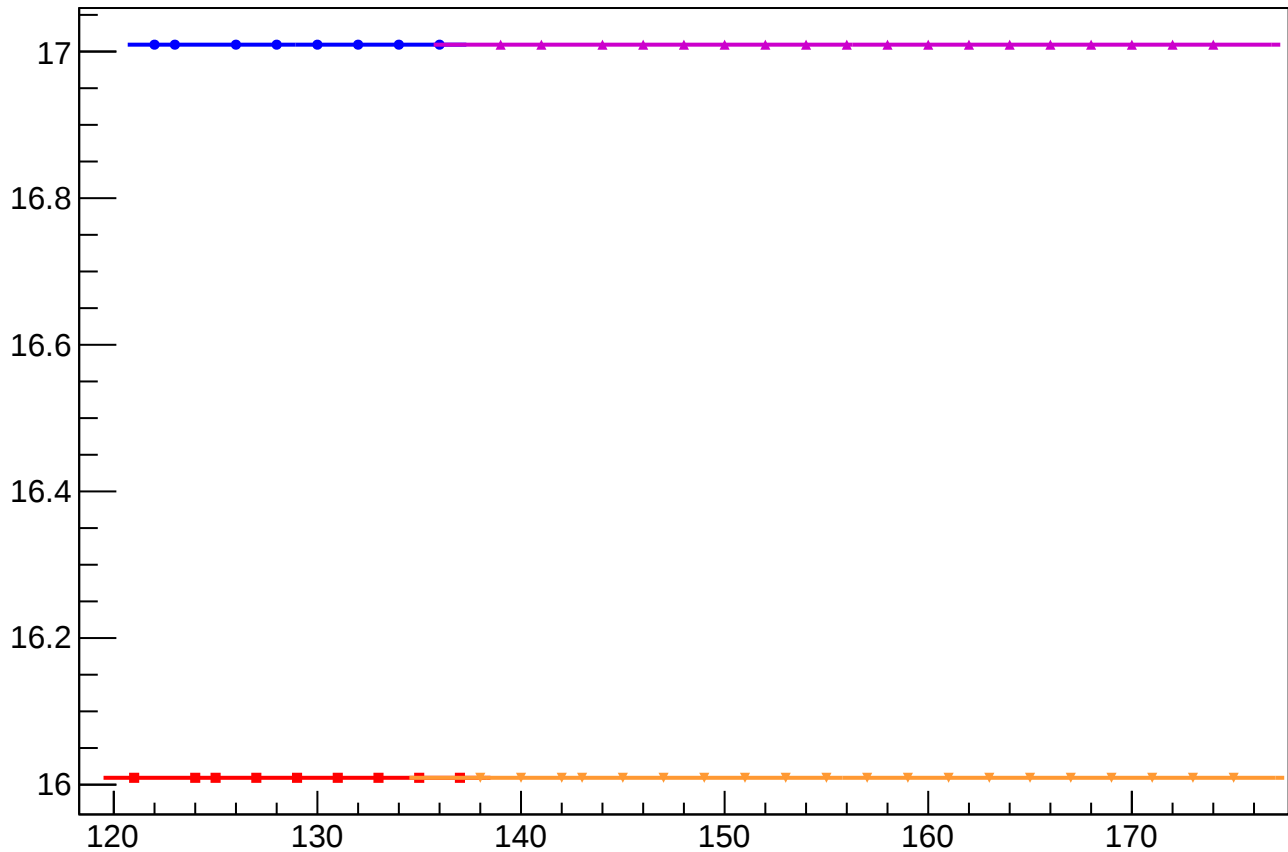
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 126536526272078544896000.0/17

+ sign 16.829 $\pm$ 0.000 χ^2 /NDF: 2590093410926707

All: 16.520 $\pm$ 0.000 χ^2 /NDF: 8506370065749

- sign 16.192 $\pm$ 0.000 χ^2 /NDF: 2466930965100190

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 : 55371.7/19

Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

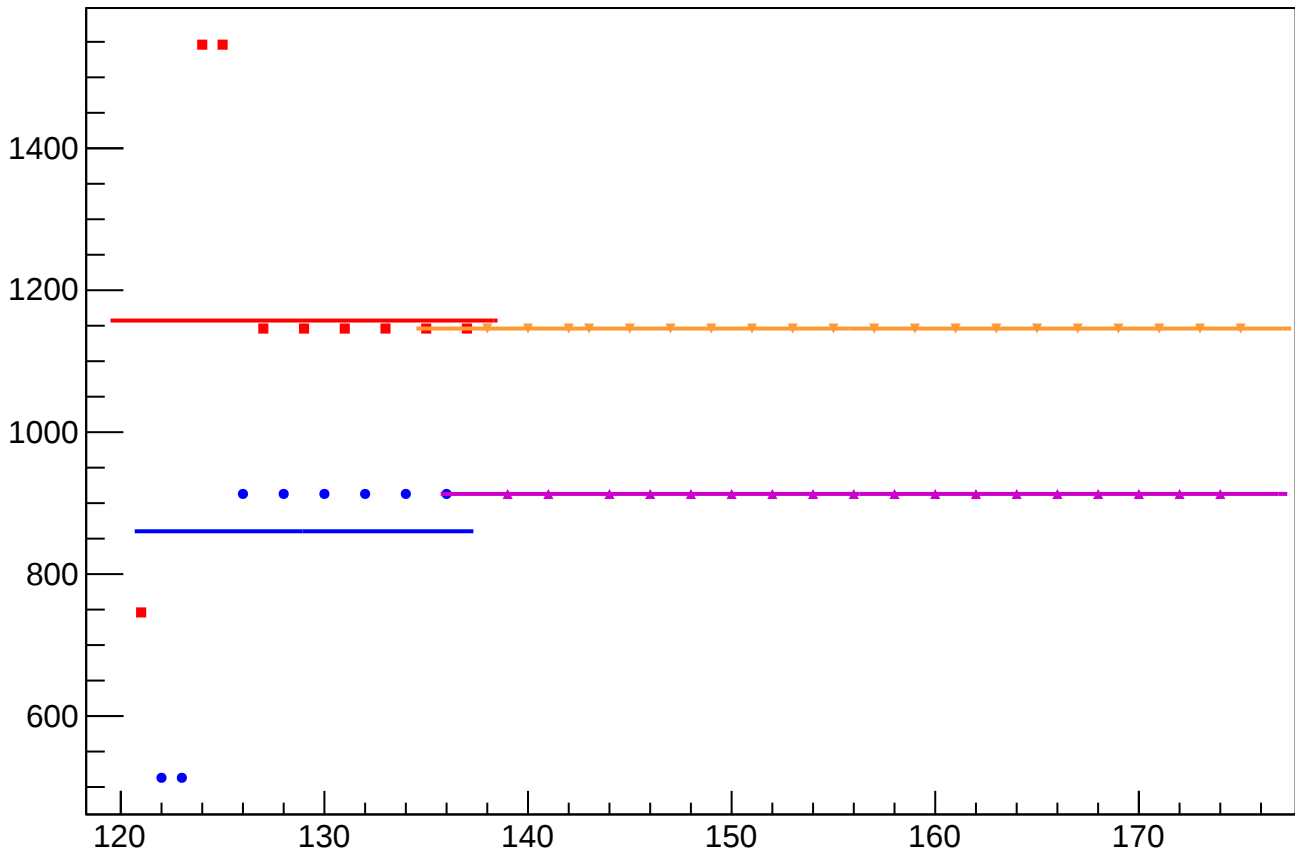
Left In: 17.009+/-0.000 χ^2/NDF : 113661769845788630843392.0/17

+ sign 16.192+/-0.000 χ^2/NDF : 2795859124866546

All: 16.496+/-0.000 χ^2/NDF : 9013845431471

- sign 16.825+/-0.000 χ^2/NDF : 2603131525082184

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 : 4709544628538996258408235008.0/19

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

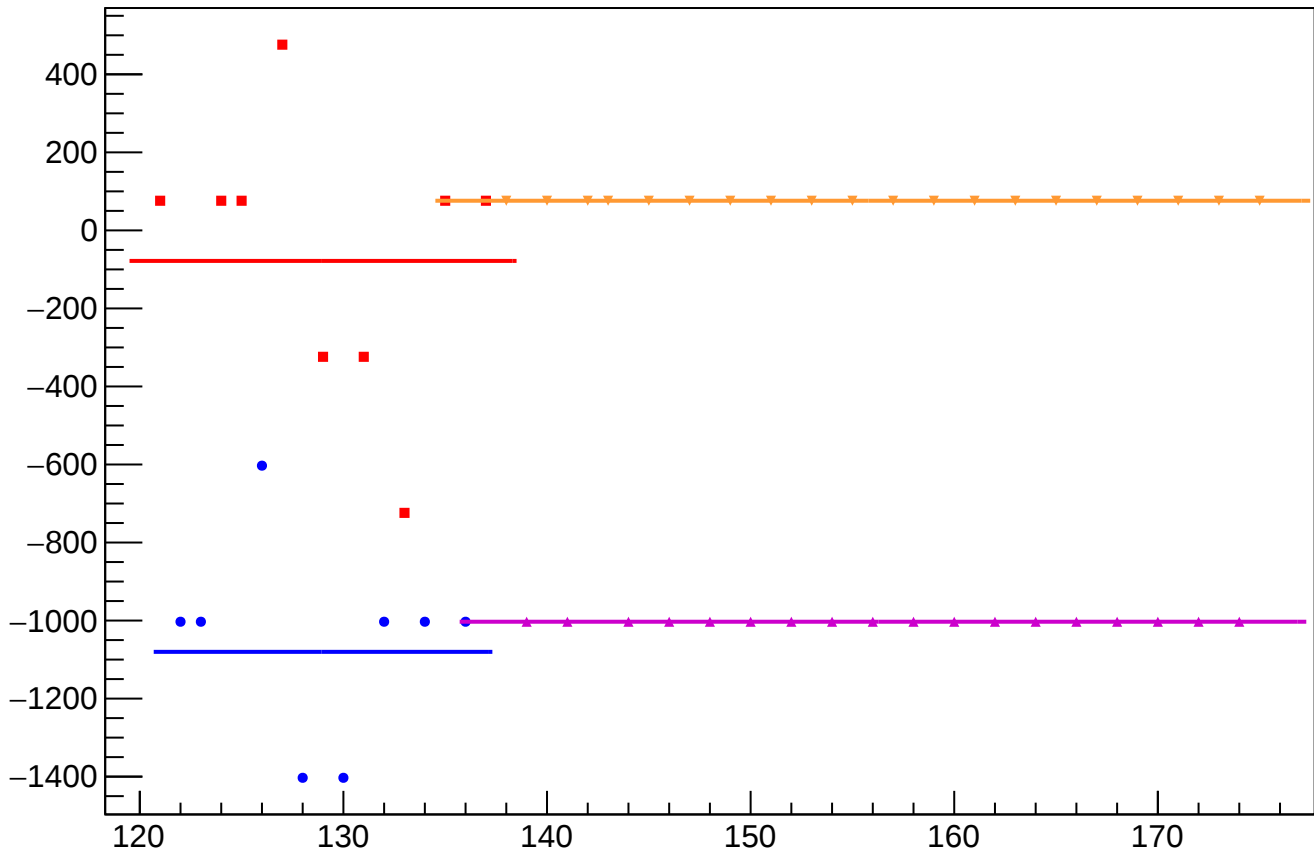
Left In: 912.995+/-0.000 χ^2/NDF : 22824128529436191353682788352.0/17

All: 1028.181+/-0.000 χ^2/NDF : 75937563497

+ sign 1094.540+/-0.000 χ^2/NDF : 29130212426341

- sign 957.024+/-0.000 χ^2/NDF : 294874871980934

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 : 10067013089678785617825103872.0/19
 Right Out: -78.224 ± 0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: -1002.990 ± 0.000 χ^2/NDF : 2192616263018197865675620352.0/17
 All: -472.039 ± 0.000 χ^2/NDF : 11136192843
 + sign -132.323 ± 0.000 χ^2/NDF : 39644234040762
 - sign -836.323 ± 0.000 χ^2/NDF : 263250492401528