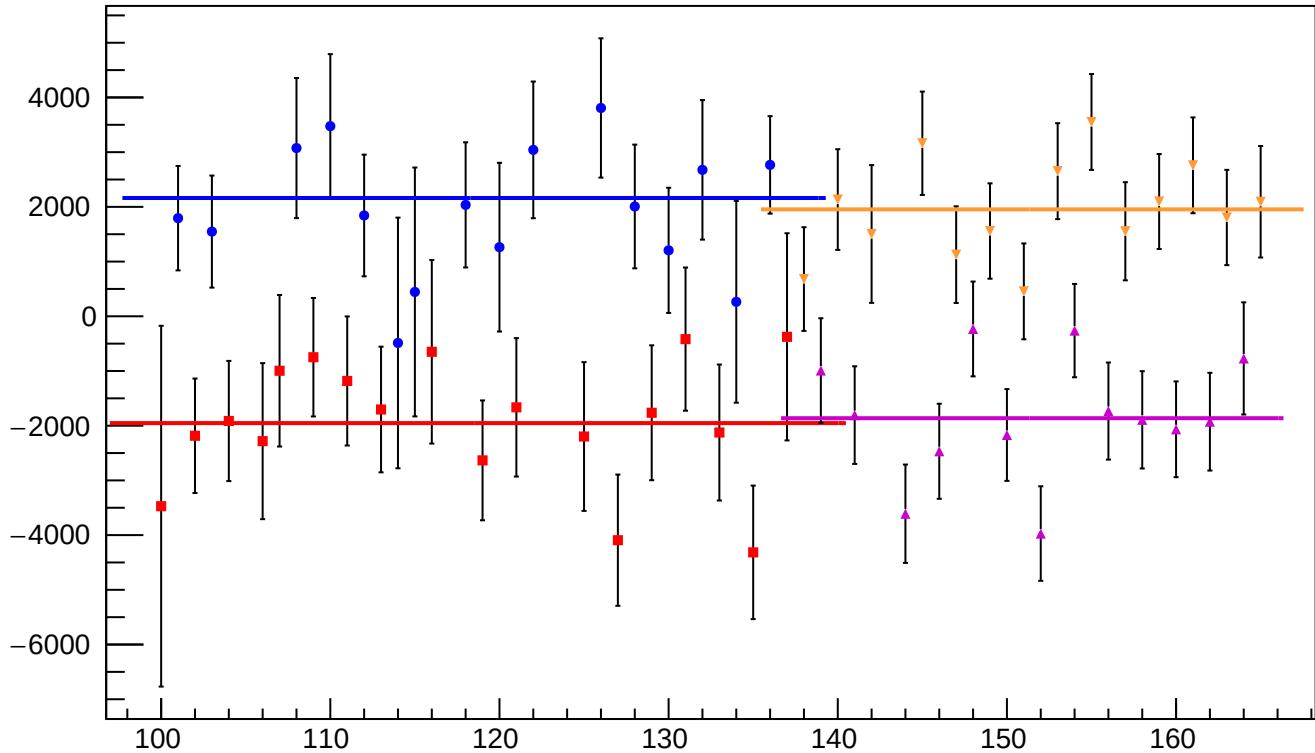


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1954.486+/-244.673

χ^2/NDF : 12.7/13

Right Out: -1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: -1863.000+/-246.781

χ^2/NDF : 19.5/12

+ sign 2035.114+/-191.415

χ^2/NDF : 21.9/29

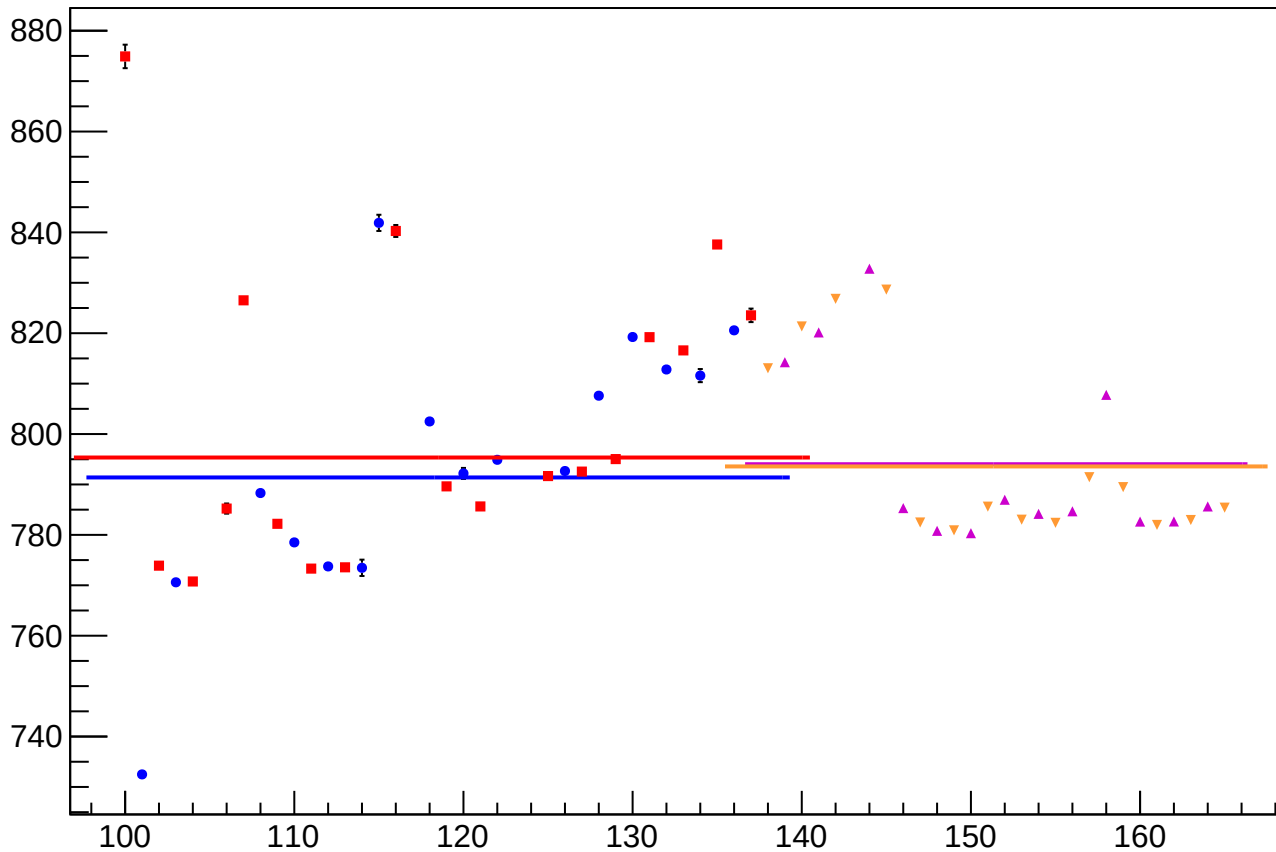
All: 61.094+/-135.109

χ^2/NDF : 266.0/60

- sign -1898.896+/-190.733

χ^2/NDF : 32.1/30

reg_asym_us_avg_rms vs Slug



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

Left Out: 793.574+/-0.173 χ^2/NDF : 9170.8/13

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

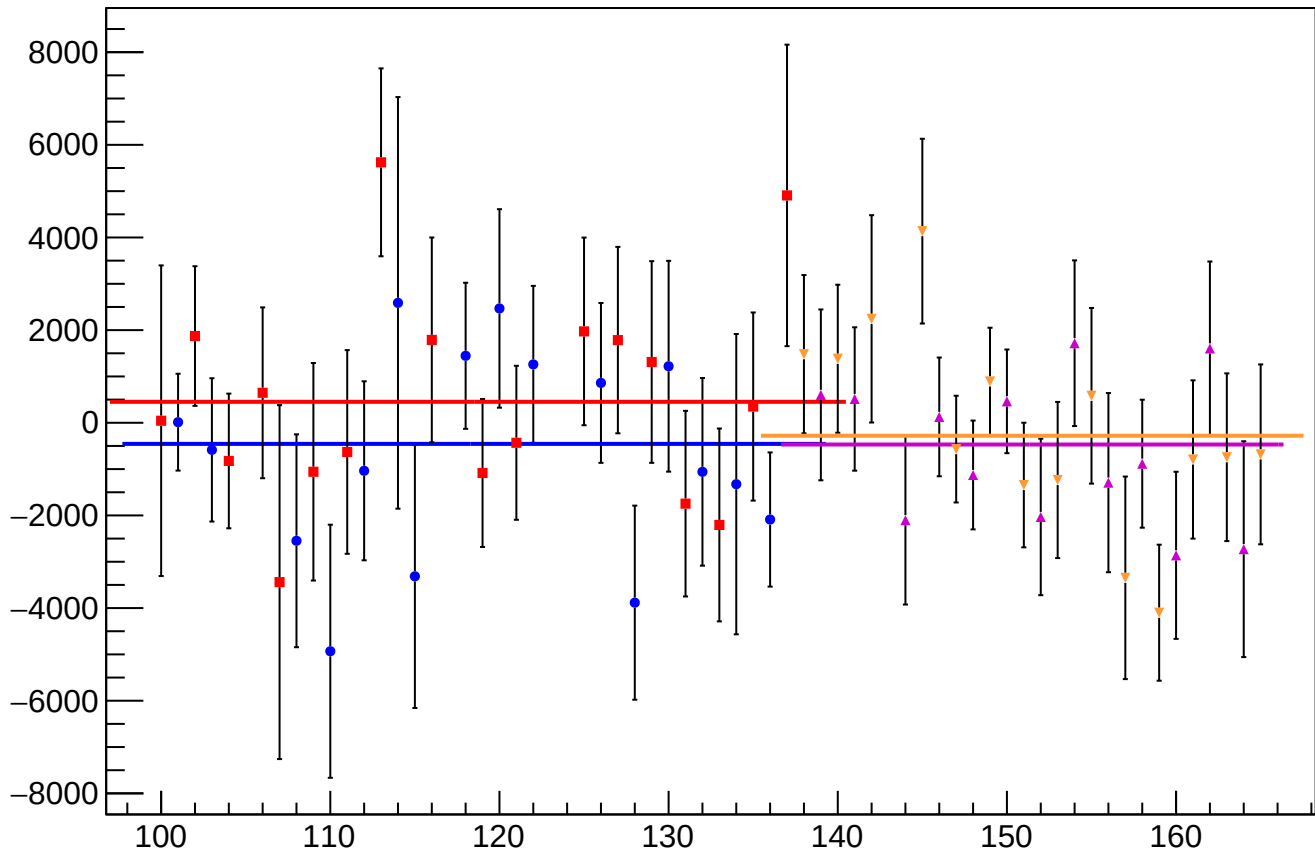
Left In: 794.014+/-0.175 χ^2/NDF : 9426.4/12

+ sign 792.727+/-0.135 χ^2/NDF : 24240.9/29

All: 793.642+/-0.096 χ^2/NDF : 45341.6/60

- sign 794.550+/-0.135 χ^2/NDF : 21009.6/30

asym_us_avg_correction_mean vs Slug



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

Left Out: -279.516 ± 428.273 χ^2/NDF : 19.5/13

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

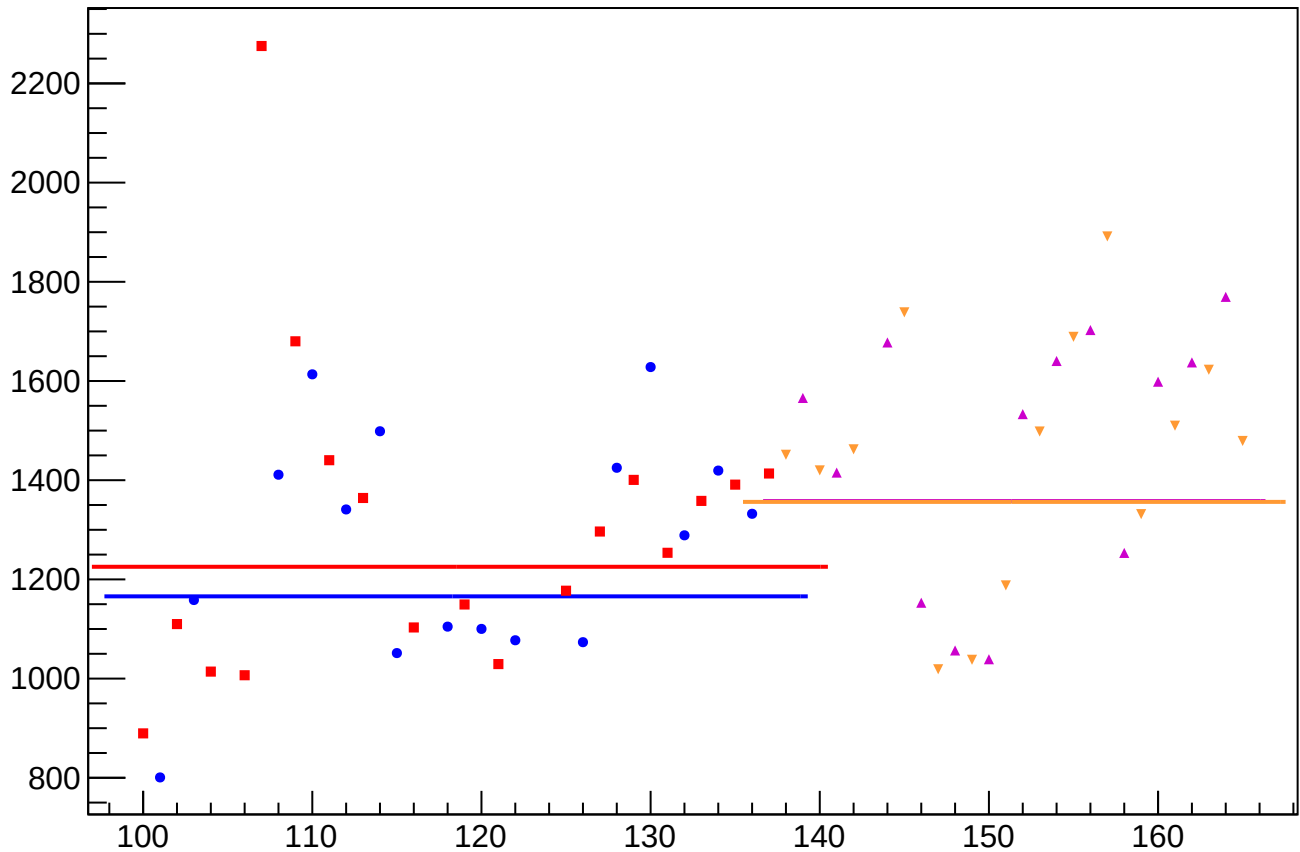
Left In: -469.272 ± 431.313 χ^2/NDF : 9.3/12

+ sign -360.509 ± 314.781 χ^2/NDF : 34.4/29

All: -207.385 ± 223.933 χ^2/NDF : 63.6/60

- sign -50.491 ± 318.632 χ^2/NDF : 28.7/30

asym_us_avg_correction_rms vs Slug



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

Left Out: 1356.292 $\pm$ 0.303 χ^2 /NDF: 704768.1/13

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

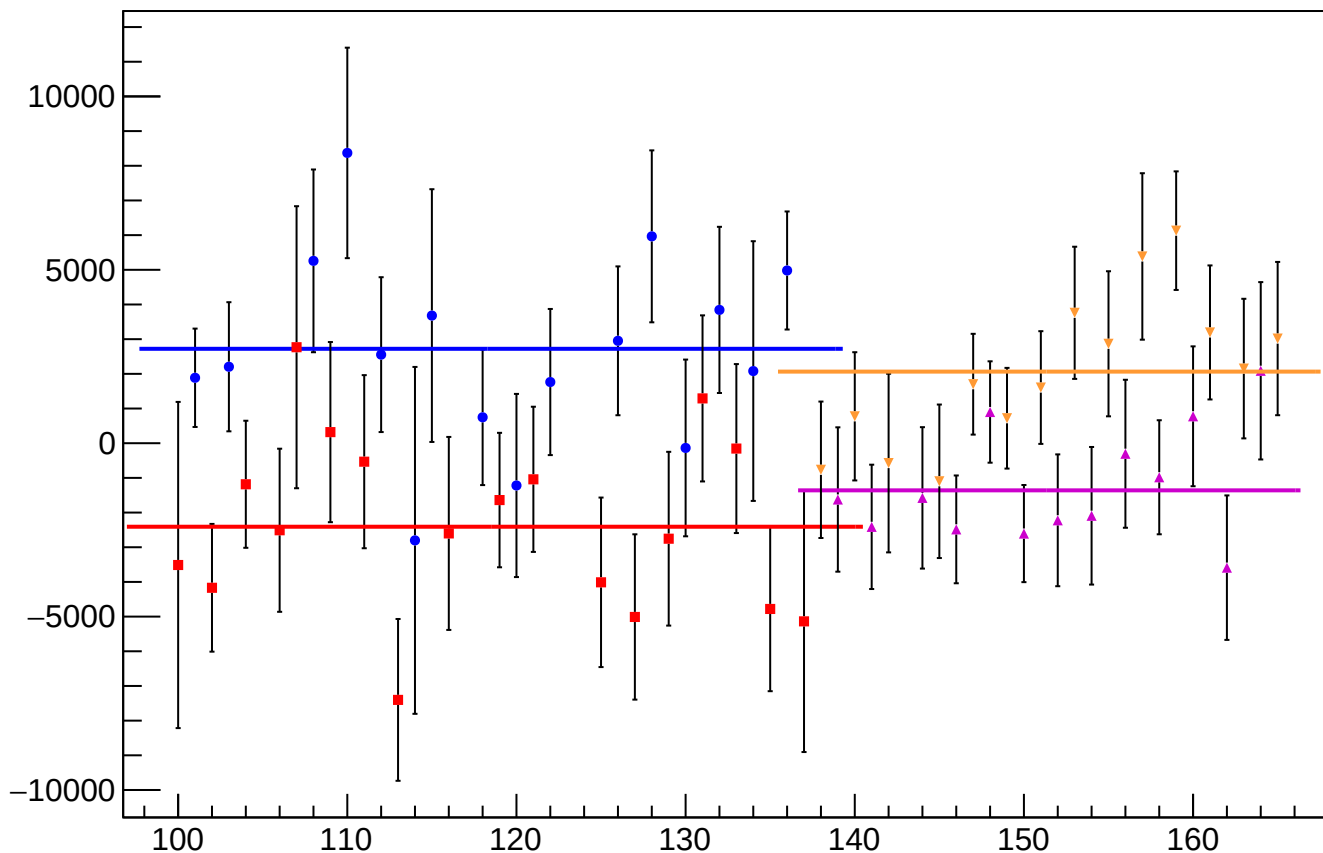
Left In: 1357.948 $\pm$ 0.305 χ^2 /NDF: 723845.6/12

+ sign 1268.714 $\pm$ 0.223 χ^2 /NDF: 1413468.7/29

All: 1283.060 $\pm$ 0.158 χ^2 /NDF: 2671884.3/60

- sign 1297.760 $\pm$ 0.225 χ^2 /NDF: 1250004.3/30

asym_us_avg_mean vs Slug



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

Left Out: 2064.700 $\pm$ 501.788 χ^2 /NDF: 15.7/13

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

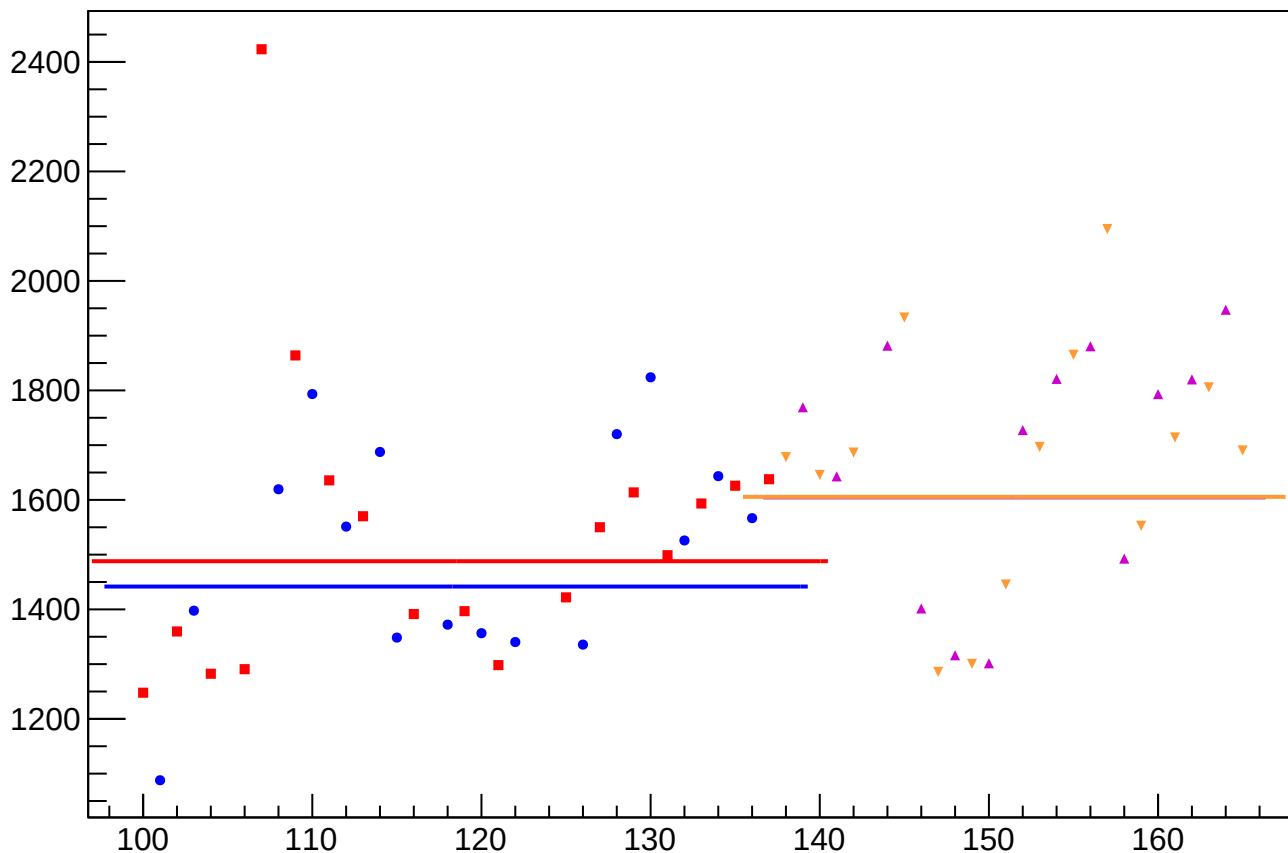
Left In: -1359.362 $\pm$ 504.814 χ^2 /NDF: 8.8/12

+ sign 2353.441 $\pm$ 375.813 χ^2 /NDF: 31.0/29

All: 275.978 $\pm$ 266.374 χ^2 /NDF: 119.4/60

- sign -1821.440 $\pm$ 377.613 χ^2 /NDF: 27.0/30

asym_us_avg_rms vs Slug



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

Left Out: 1605.567+/-0.355 χ^2/NDF : 403333.8/13

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

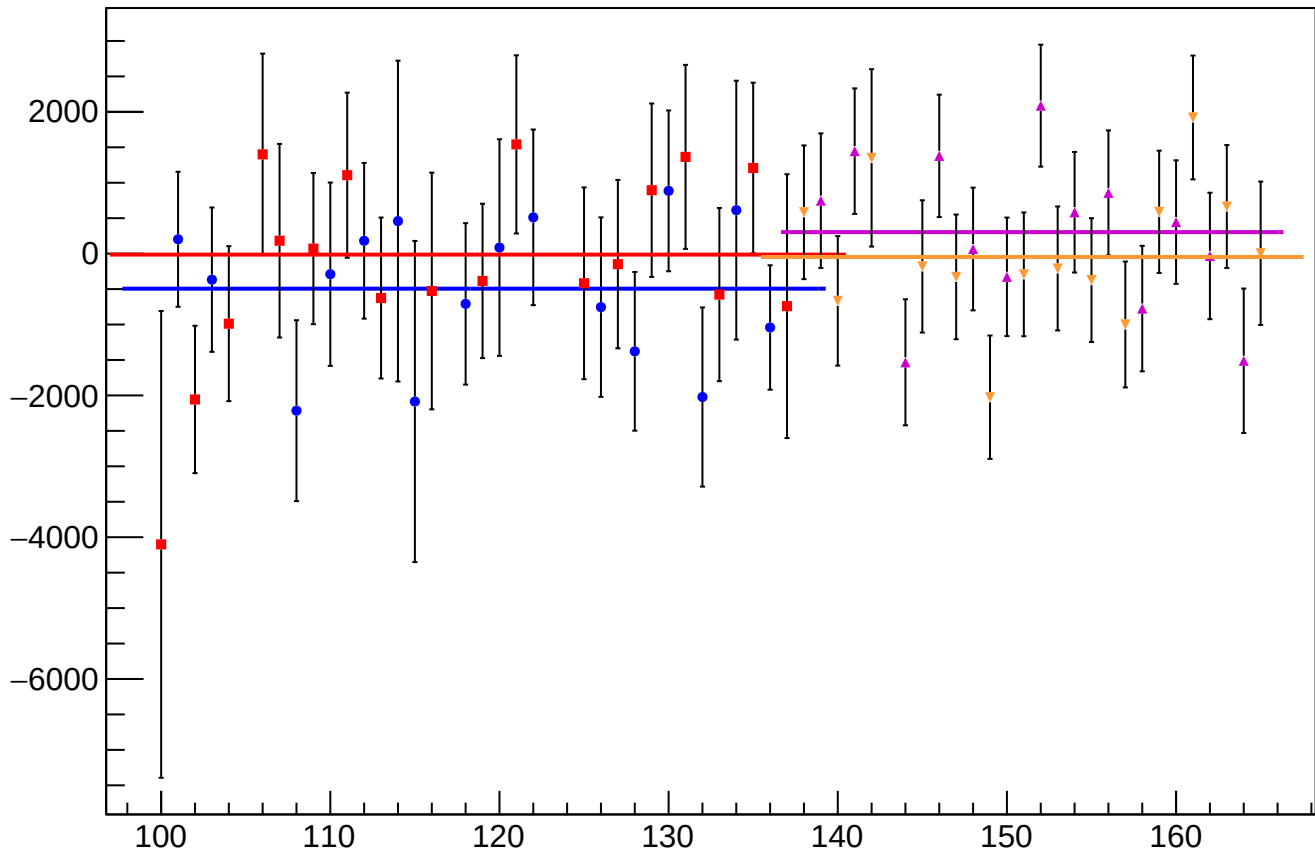
Left In: 1604.572+/-0.357 χ^2/NDF : 405711.1/12

+ sign 1533.625+/-0.266 χ^2/NDF : 772864.4/29

All: 1543.385+/-0.188 χ^2/NDF : 1484379.9/60

- sign 1553.238+/-0.267 χ^2/NDF : 708805.1/30

reg_asym_us_dd_mean vs Slug



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

Left Out: -47.236 ± 243.313 χ^2/NDF : 15.2/13

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

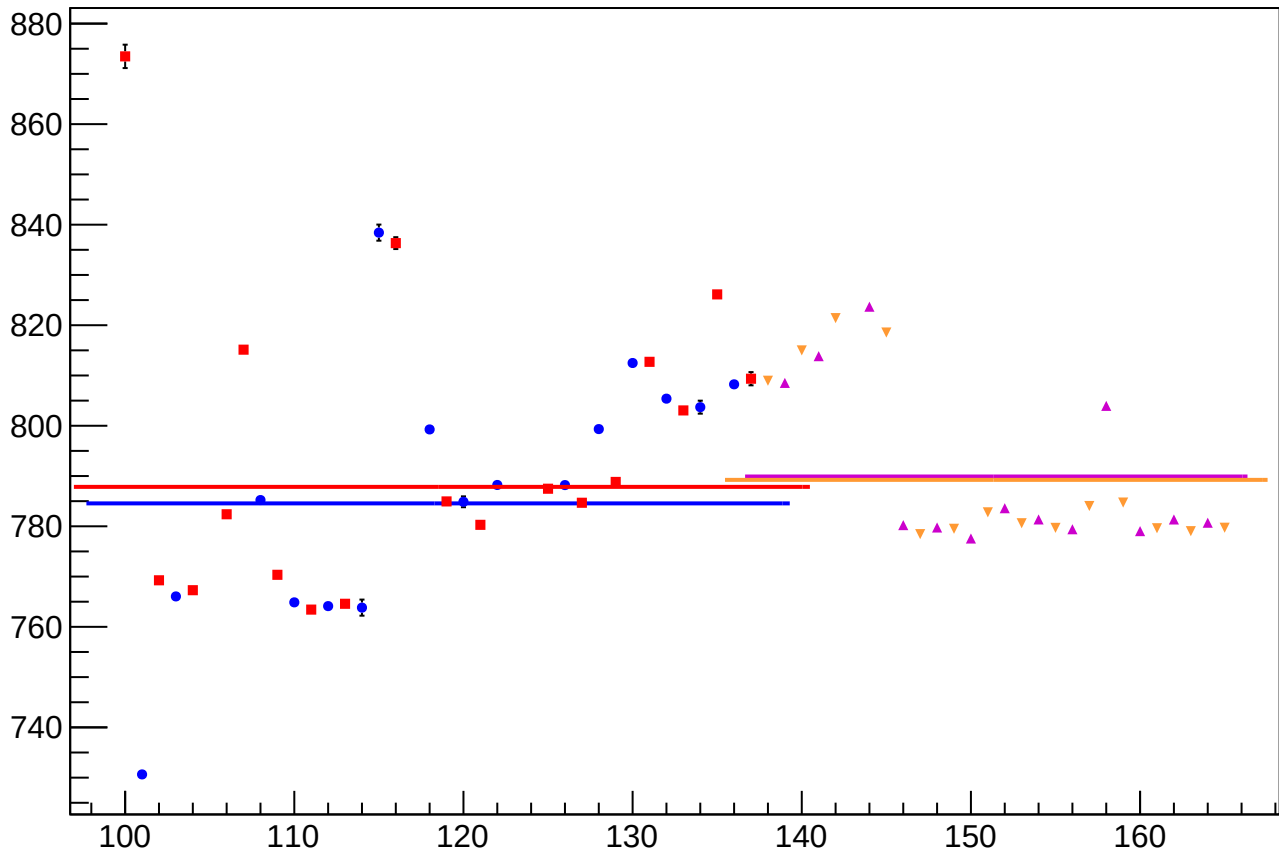
Left In: 303.325 ± 245.490 χ^2/NDF : 18.0/12

+ sign -221.319 ± 190.118 χ^2/NDF : 25.1/29

All: -22.369 ± 134.182 χ^2/NDF : 59.3/60

- sign 175.100 ± 189.409 χ^2/NDF : 32.0/30

reg_asym_us_dd_rms vs Slug



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

Left Out: 789.236 $\pm$ 0.172 χ^2 /NDF: 7678.3/13

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

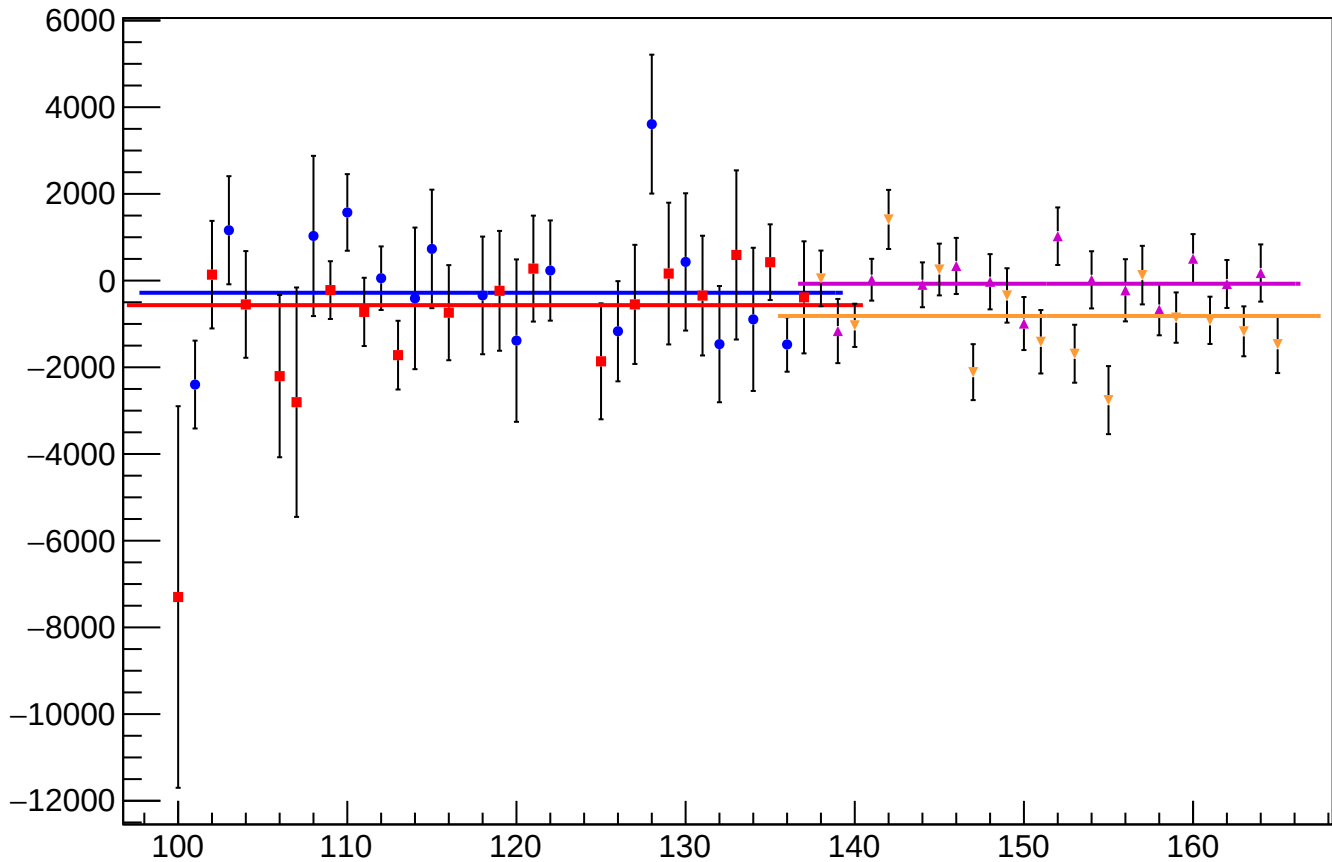
Left In: 789.906 $\pm$ 0.174 χ^2 /NDF: 7834.2/12

+ sign 787.414 $\pm$ 0.134 χ^2 /NDF: 21644.0/29

All: 788.246 $\pm$ 0.095 χ^2 /NDF: 40520.5/60

- sign 789.071 $\pm$ 0.134 χ^2 /NDF: 18800.3/30

asym_us_dd_correction_mean vs Slug



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

Left Out: -816.225 ± 166.962 χ^2/NDF : 32.3/13

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

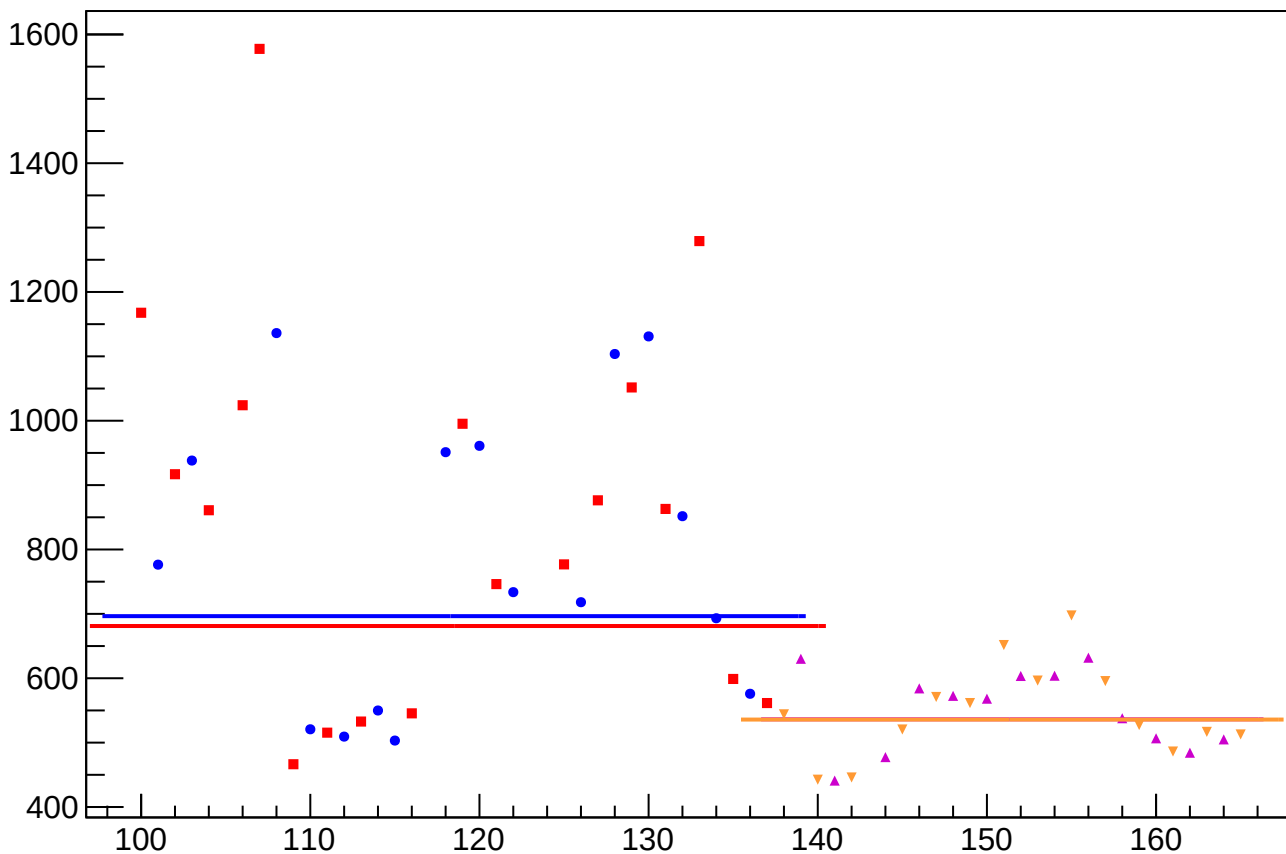
Left In: -72.557 ± 168.060 χ^2/NDF : 9.9/12

+ sign -677.574 ± 143.735 χ^2/NDF : 58.1/29

All: -441.901 ± 101.411 χ^2/NDF : 85.6/60

- sign -208.311 ± 143.099 χ^2/NDF : 22.2/30

asym_us_dd_correction_rms vs Slug



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

Left Out: 535.819+/-0.118 χ^2/NDF : 304618.6/13

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

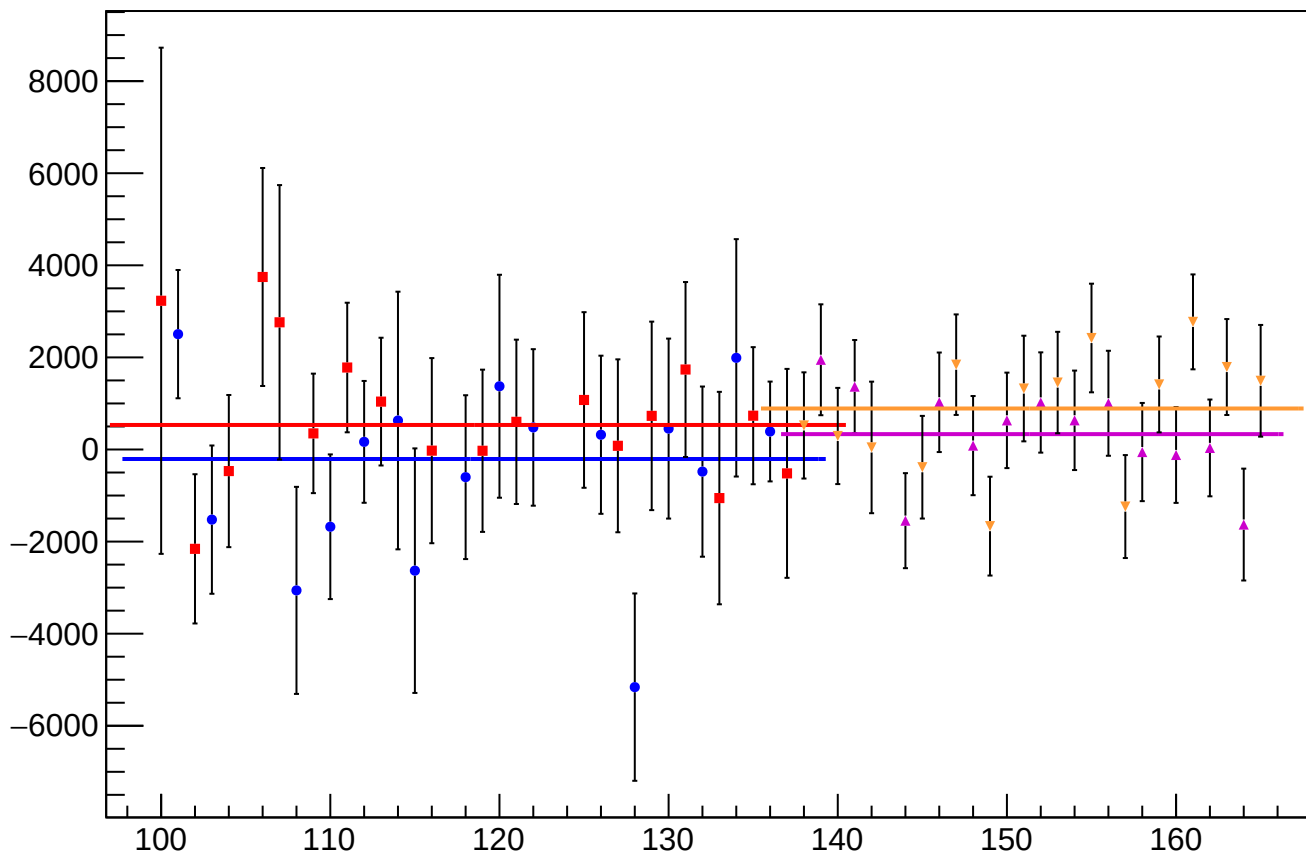
Left In: 536.220+/-0.119 χ^2/NDF : 263693.0/12

+ sign 577.405+/-0.102 χ^2/NDF : 1743406.1/29

All: 576.734+/-0.072 χ^2/NDF : 3768623.5/60

- sign 576.068+/-0.101 χ^2/NDF : 2025130.4/30

asym_us_dd_mean vs Slug



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

Left Out: 890.342 ± 298.293 χ^2/NDF : 18.8/13

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

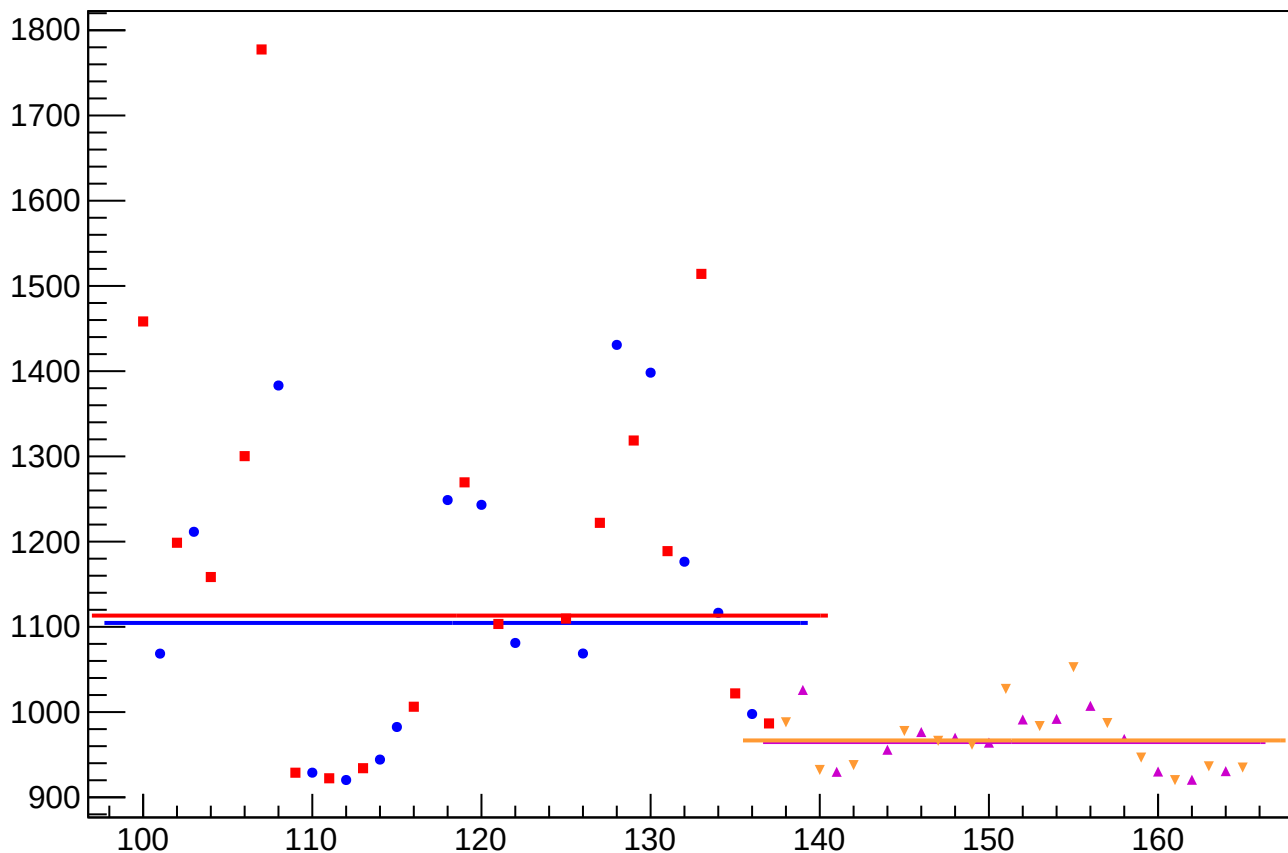
Left In: 333.759 ± 300.021 χ^2/NDF : 10.5/12

+ sign 538.225 ± 245.786 χ^2/NDF : 38.9/29

All: 468.799 ± 173.699 χ^2/NDF : 57.9/60

- sign 399.531 ± 245.508 χ^2/NDF : 18.8/30

asym_us_dd_rms vs Slug



Right In: 1104.596+/-0.307 χ^2/NDF : 255488.3/15

Left Out: 966.723+/-0.211 χ^2/NDF : 29145.8/13

Right Out: 1113.215+/-0.302 χ^2/NDF : 362982.2/17

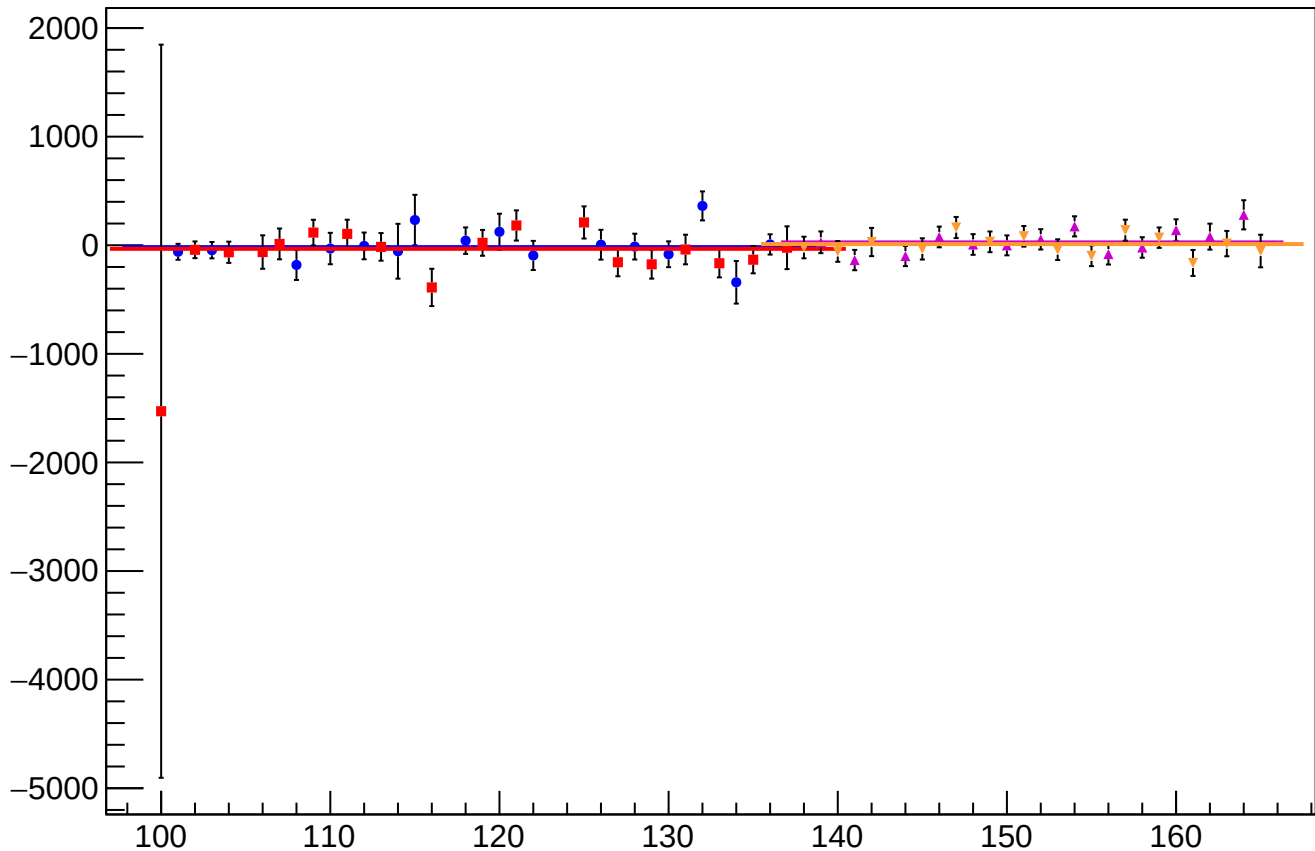
Left In: 964.835+/-0.212 χ^2/NDF : 20557.7/12

+ sign 1010.989+/-0.174 χ^2/NDF : 421815.4/29

All: 1012.425+/-0.123 χ^2/NDF : 967110.5/60

- sign 1013.857+/-0.174 χ^2/NDF : 545158.7/30

reg_asym_ds_avg_mean vs Slug



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

Left Out: 10.984 ± 27.444 χ^2/NDF : 9.9/13

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

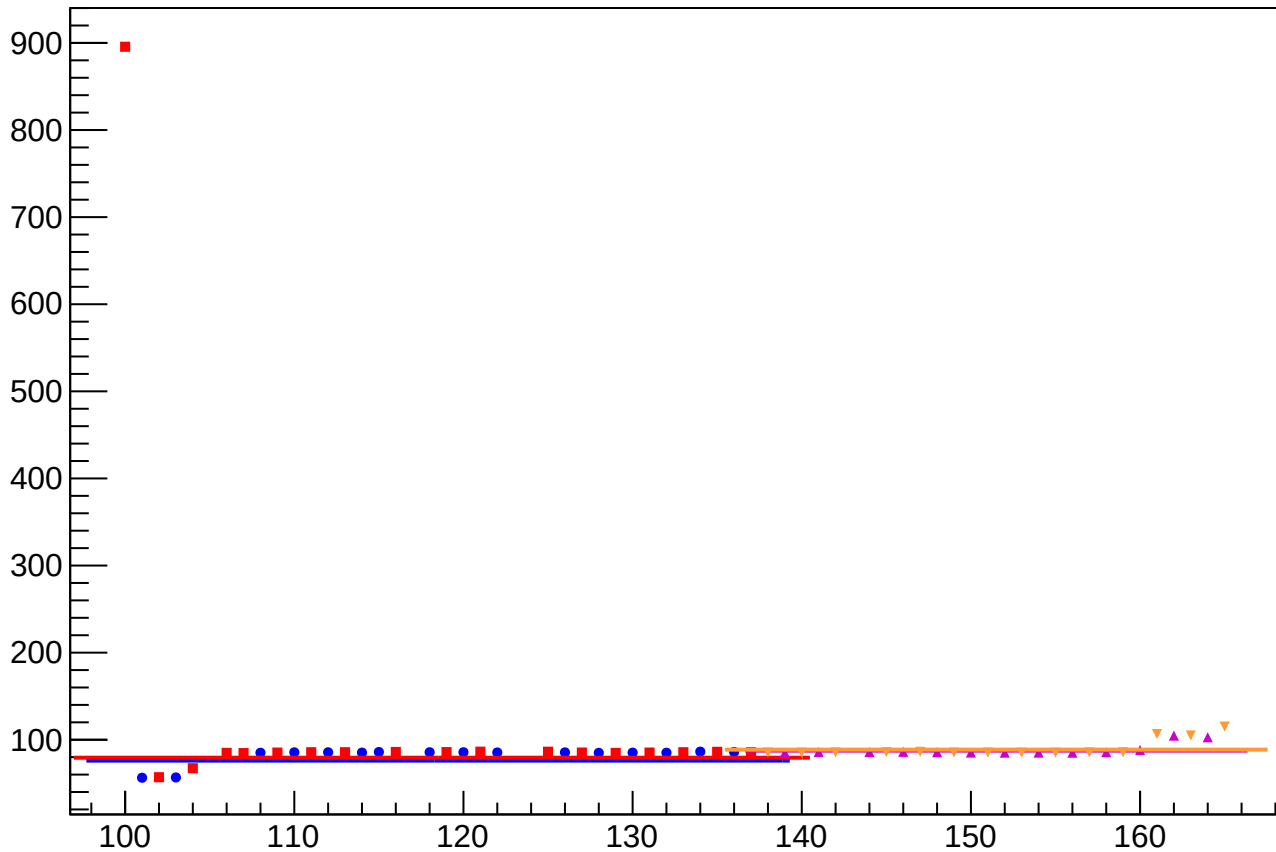
Left In: 26.234 ± 27.251 χ^2/NDF : 14.5/12

+ sign -1.879 ± 20.246 χ^2/NDF : 26.0/29

All: -0.974 ± 14.337 χ^2/NDF : 59.1/60

- sign -0.065 ± 20.306 χ^2/NDF : 33.1/30

reg_asym_ds_avg_rms vs Slug



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

Left Out: 88.649 $\pm$ 0.019 χ^2 /NDF: 169118.3/13

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

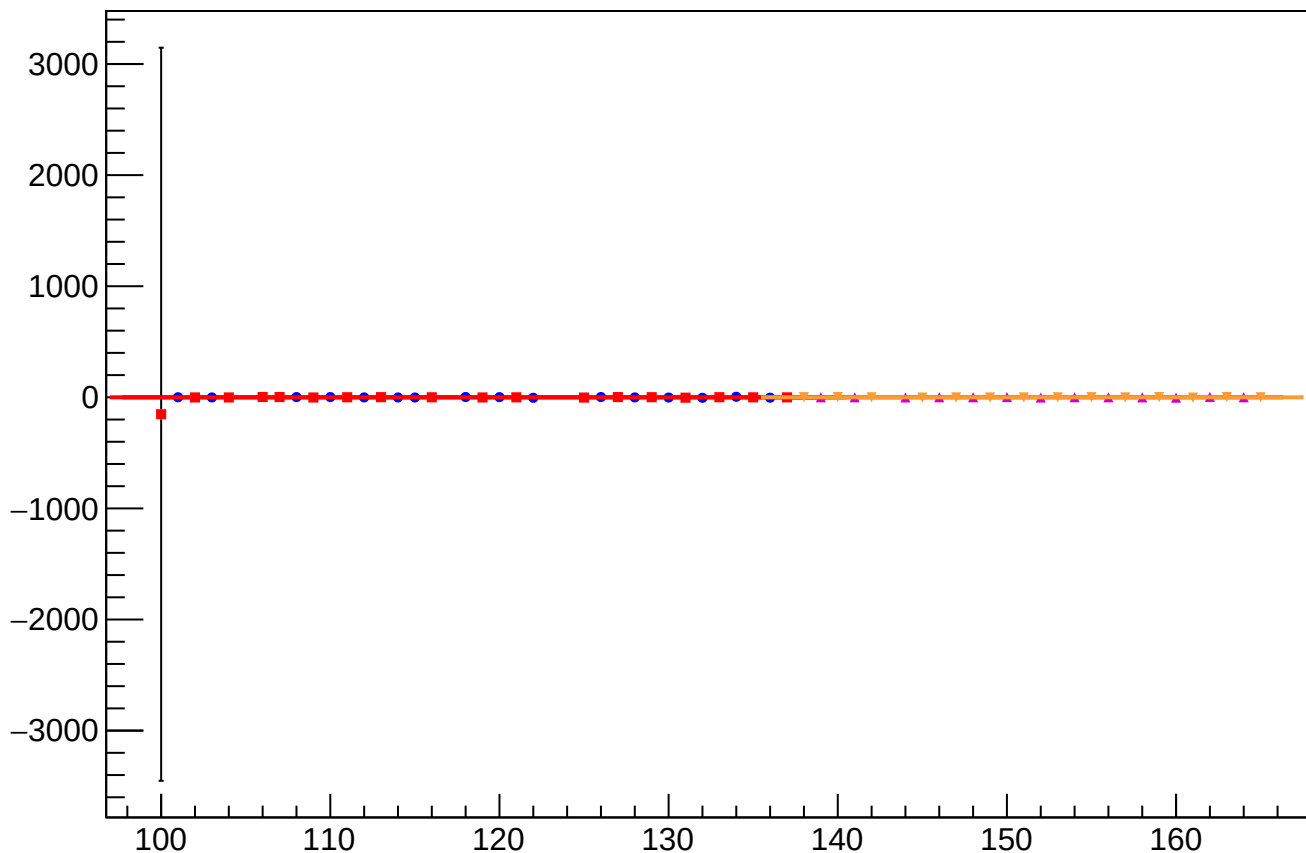
Left In: 87.506 $\pm$ 0.019 χ^2 /NDF: 76171.6/12

+ sign 82.920 $\pm$ 0.014 χ^2 /NDF: 769520.6/29

All: 83.406 $\pm$ 0.010 χ^2 /NDF: 1305446.1/60

- sign 83.896 $\pm$ 0.014 χ^2 /NDF: 533606.9/30

asym_ds_avg_correction_mean vs Slug



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

Left Out: -0.114 ± 0.463 χ^2/NDF : 10.0/13

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

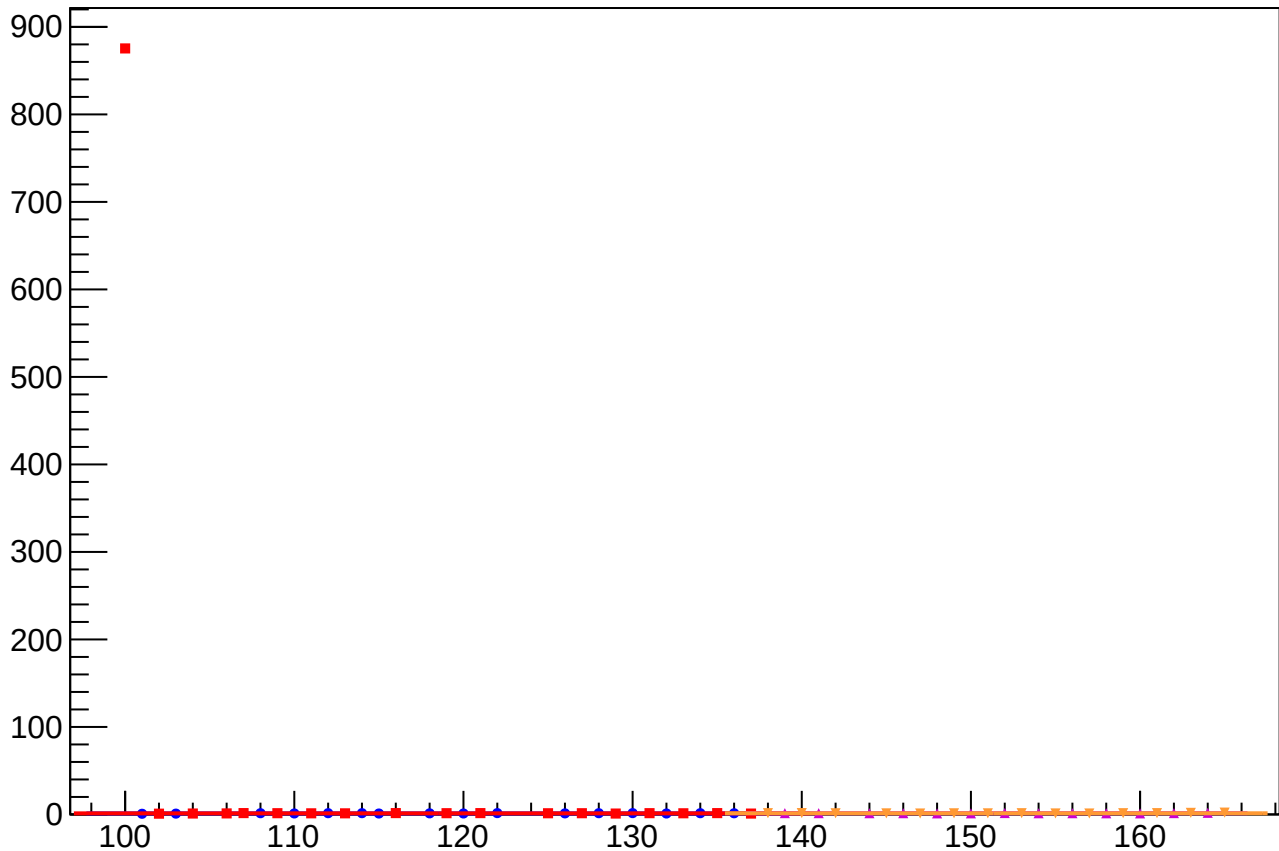
Left In: 0.172 ± 0.480 χ^2/NDF : 13.3/12

+ sign -0.191 ± 0.340 χ^2/NDF : 31.3/29

All: -0.071 ± 0.245 χ^2/NDF : 53.9/60

- sign 0.057 ± 0.353 χ^2/NDF : 22.4/30

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.338 $\pm$ 0.000 χ^2 /NDF:443840.5/13

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

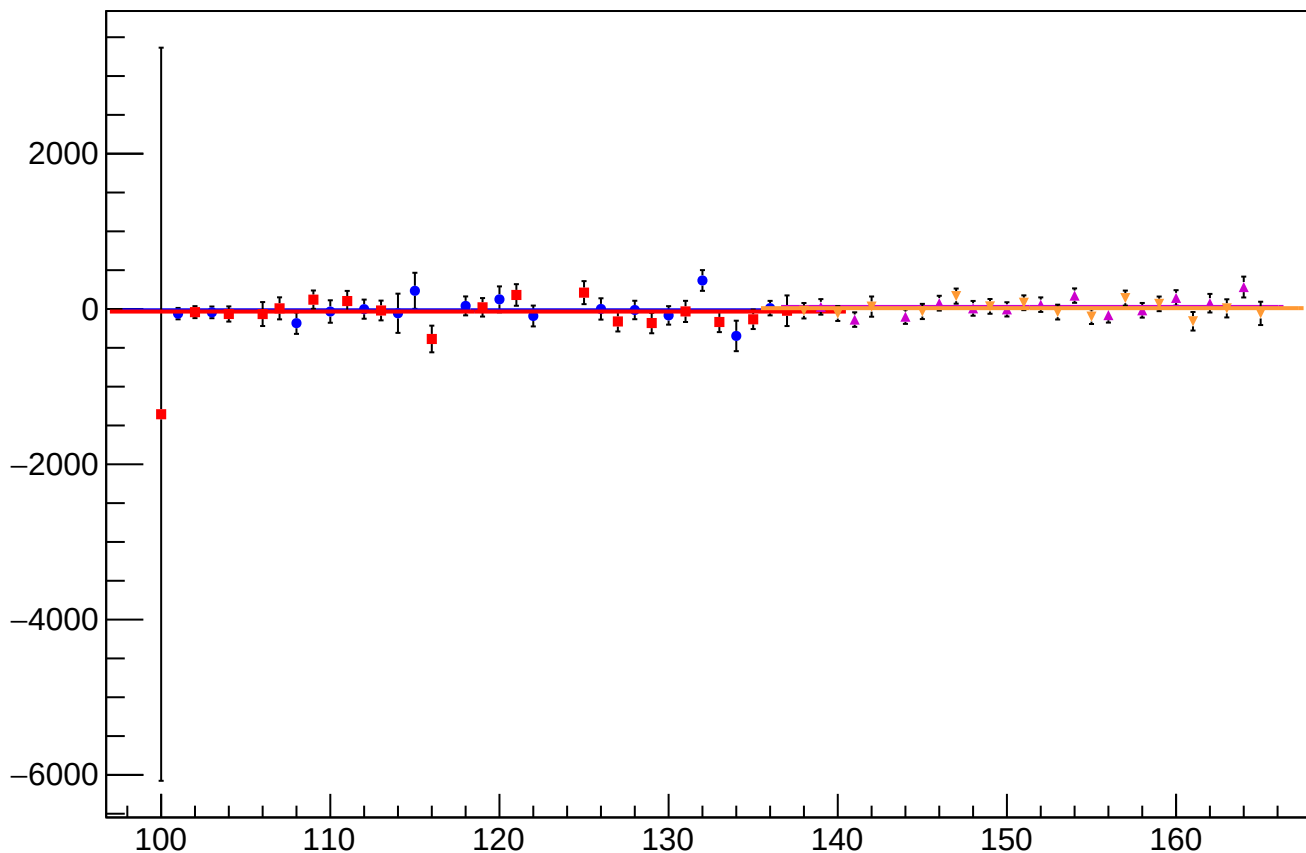
Left In: 1.415 $\pm$ 0.000 χ^2 /NDF:171619.7/12

+ sign 1.253 $\pm$ 0.000 χ^2 /NDF: 1106070.6/29

All: 1.294 $\pm$ 0.000 χ^2 /NDF: 1968446.5/60

- sign 1.338 $\pm$ 0.000 χ^2 /NDF: 801513.9/30

asym_ds_avg_mean vs Slug



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

Left Out: 10.756 ± 27.452 χ^2/NDF : 9.9/13

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

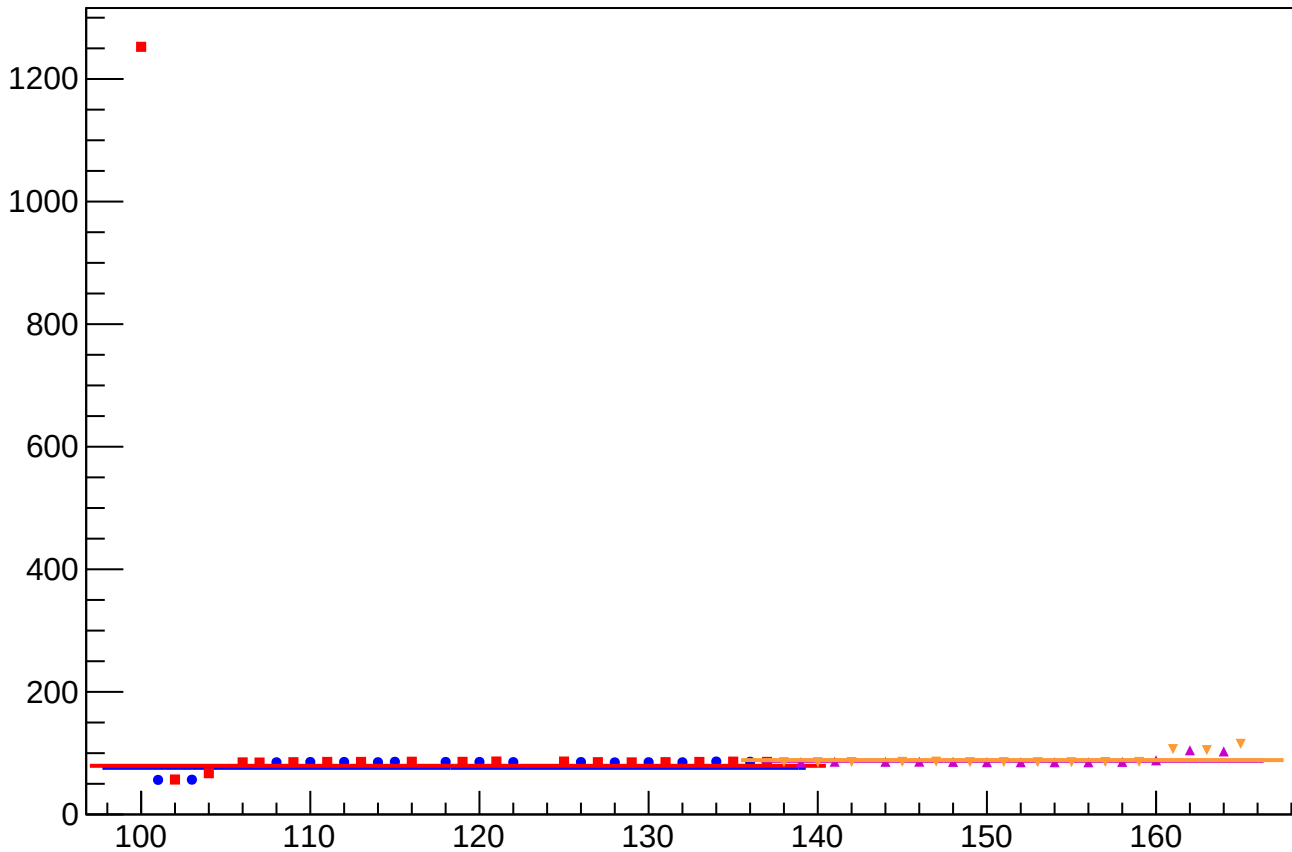
Left In: 26.595 ± 27.259 χ^2/NDF : 14.4/12

+ sign -1.581 ± 20.251 χ^2/NDF : 26.2/29

All: -0.775 ± 14.341 χ^2/NDF : 59.3/60

- sign 0.037 ± 20.311 χ^2/NDF : 33.1/30

asym_ds_avg_rms vs Slug



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

Left Out: 88.673+/-0.019 χ^2/NDF : 169292.0/13

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

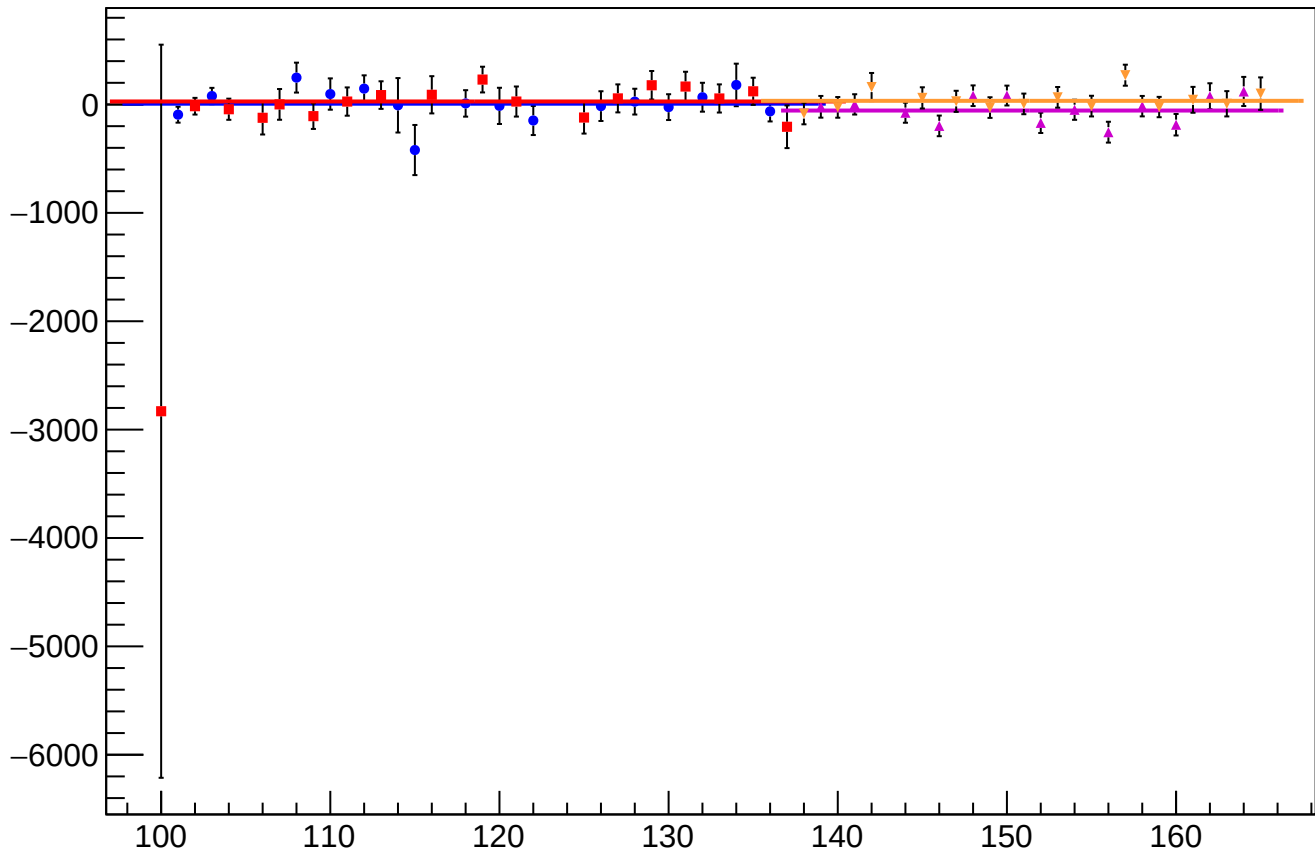
Left In: 87.530+/-0.019 χ^2/NDF : 76195.5/12

+ sign 82.942+/-0.014 χ^2/NDF : 769756.9/29

All: 83.425+/-0.010 χ^2/NDF : 1312553.2/60

- sign 83.911+/-0.014 χ^2/NDF : 540513.3/30

reg_asym_ds_dd_mean vs Slug



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

Left Out: 33.754 ± 27.442 χ^2/NDF : 10.3/13

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

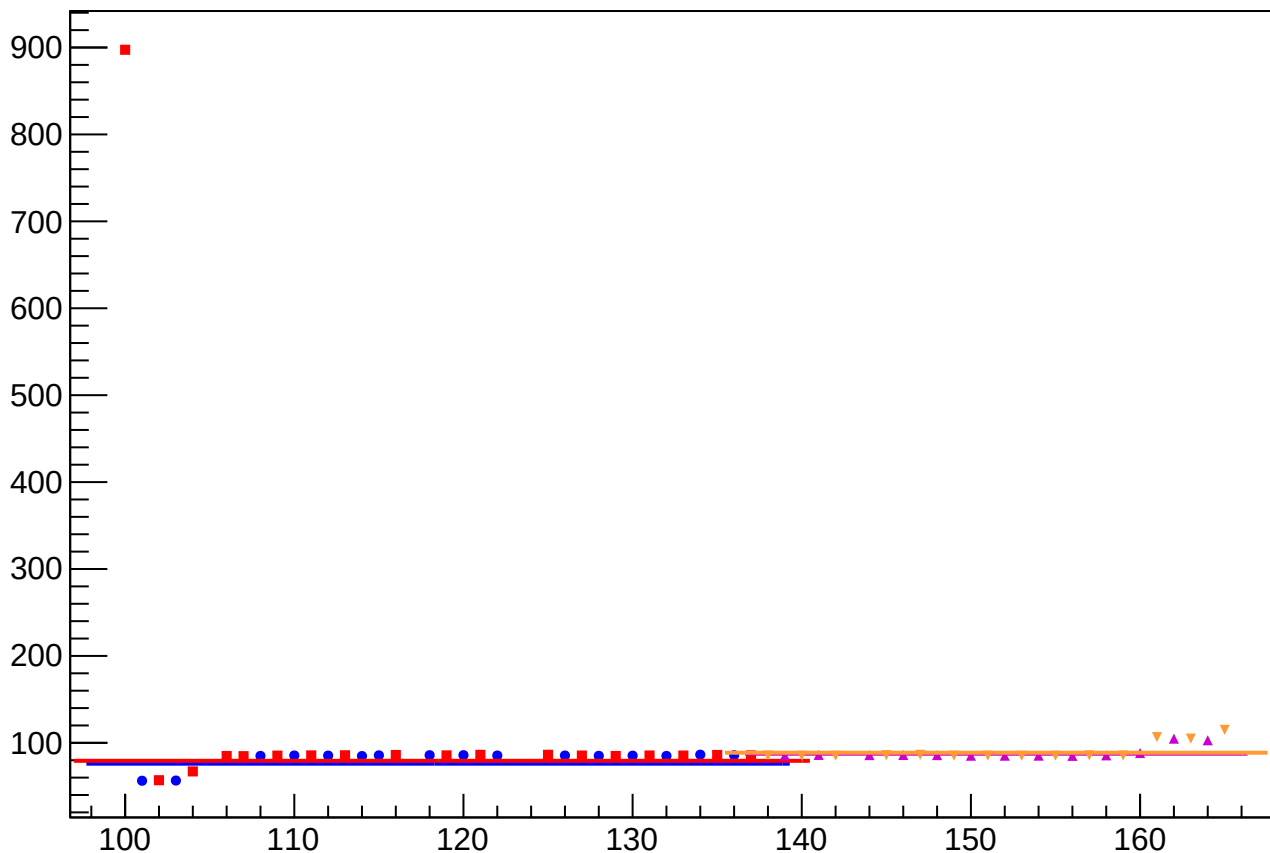
Left In: -55.820 ± 27.250 χ^2/NDF : 17.7/12

+ sign 21.762 ± 20.239 χ^2/NDF : 24.6/29

All: 1.666 ± 14.333 χ^2/NDF : 61.0/60

- sign -18.550 ± 20.299 χ^2/NDF : 34.4/30

reg_asym_ds_dd_rms vs Slug



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

Left Out: 88.644 $\pm$ 0.019 χ^2 /NDF: 168479.7/13

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

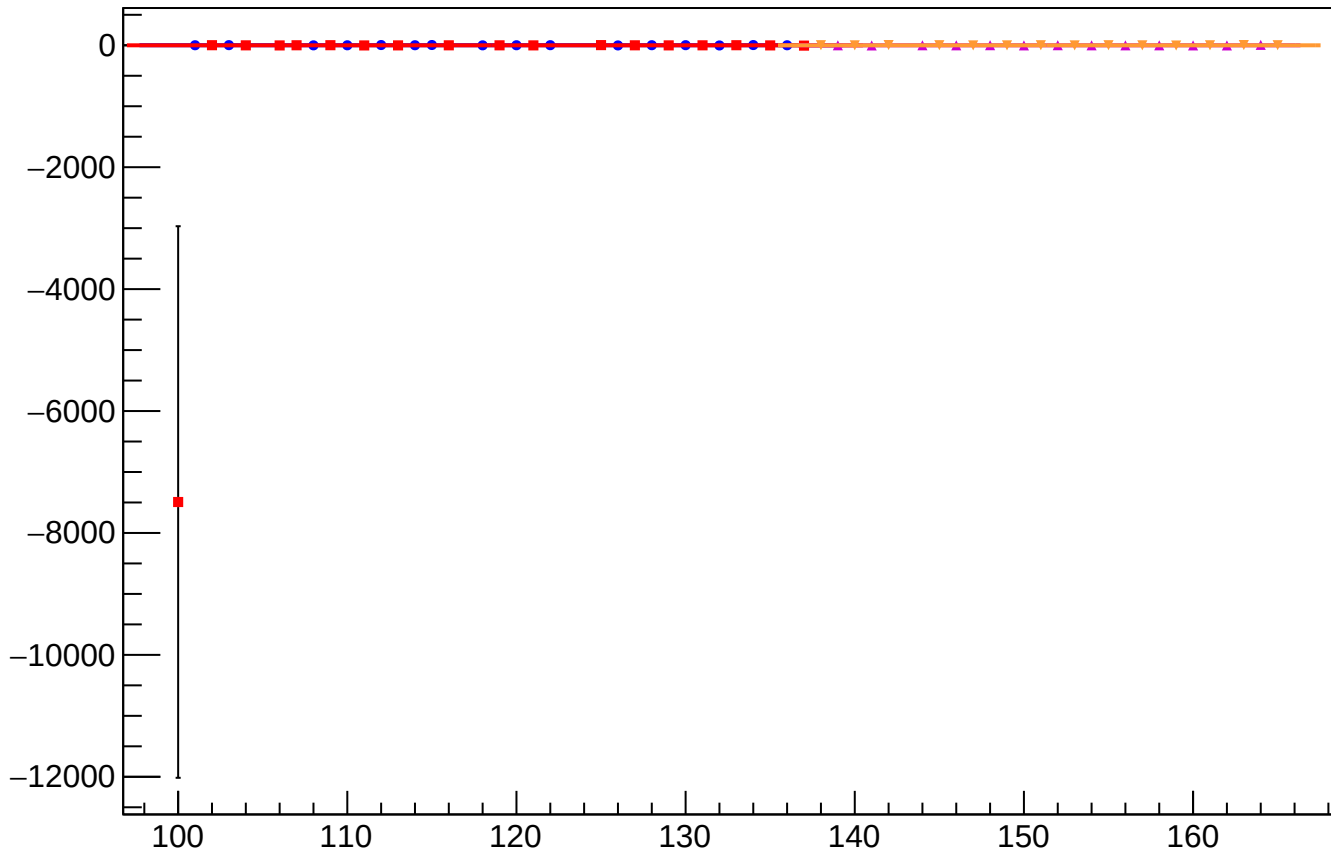
Left In: 87.499 $\pm$ 0.019 χ^2 /NDF: 77102.8/12

+ sign 82.892 $\pm$ 0.014 χ^2 /NDF: 770055.9/29

All: 83.378 $\pm$ 0.010 χ^2 /NDF: 1307610.3/60

- sign 83.868 $\pm$ 0.014 χ^2 /NDF: 535233.1/30

asym_ds_dd_correction_mean vs Slug



Right In: 0.911 $\pm$ 0.532 χ^2/NDF : 12.0/15

Left Out: -0.417 $\pm$ 0.478 χ^2/NDF : 15.5/13

Right Out: -0.314 $\pm$ 0.548 χ^2/NDF : 12.6/17

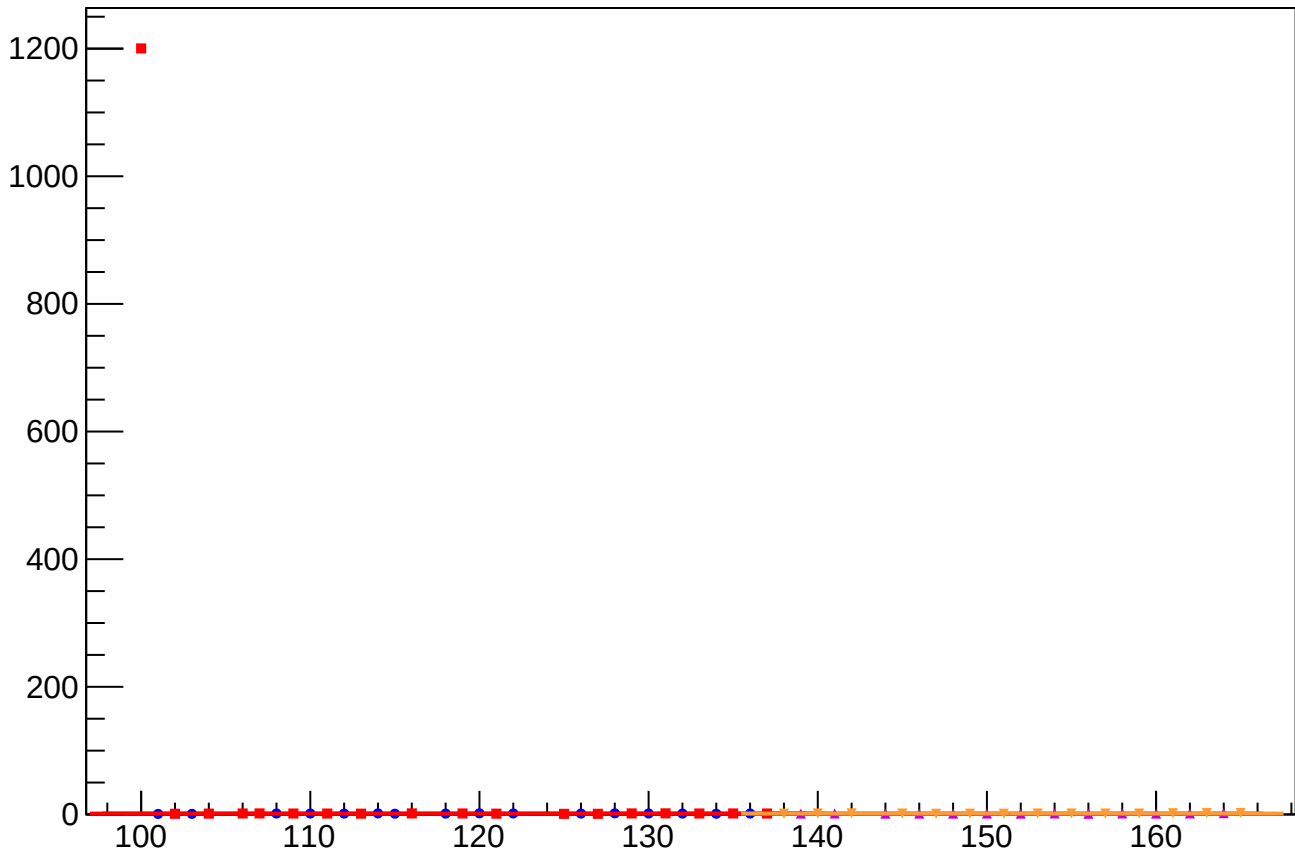
Left In: -0.159 $\pm$ 0.478 χ^2/NDF : 13.0/12

+ sign 0.175 $\pm$ 0.355 χ^2/NDF : 31.0/29

All: -0.022 $\pm$ 0.253 χ^2/NDF : 57.2/60

- sign -0.226 $\pm$ 0.360 χ^2/NDF : 25.6/30

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.398 $\pm$ 0.000 χ^2/NDF : 639194.5/13

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

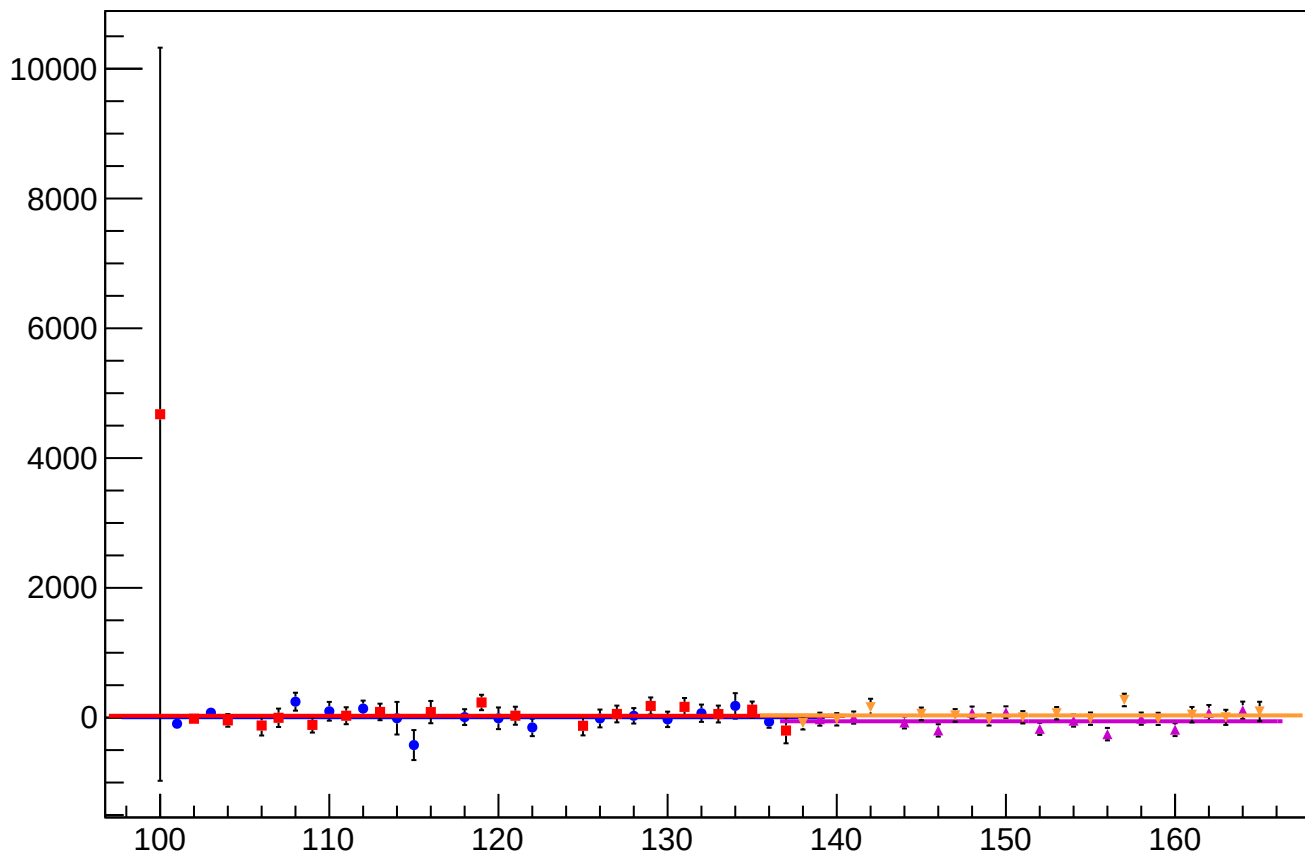
Left In: 1.397 $\pm$ 0.000 χ^2/NDF : 331112.4/12

+ sign 1.326 $\pm$ 0.000 χ^2/NDF : 1397294.5/29

All: 1.344 $\pm$ 0.000 χ^2/NDF : 2284321.5/60

- sign 1.363 $\pm$ 0.000 χ^2/NDF : 876712.7/30

asym_ds_dd_mean vs Slug



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

Left Out: 34.611+/-27.450 χ^2 /NDF:10.3/13

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

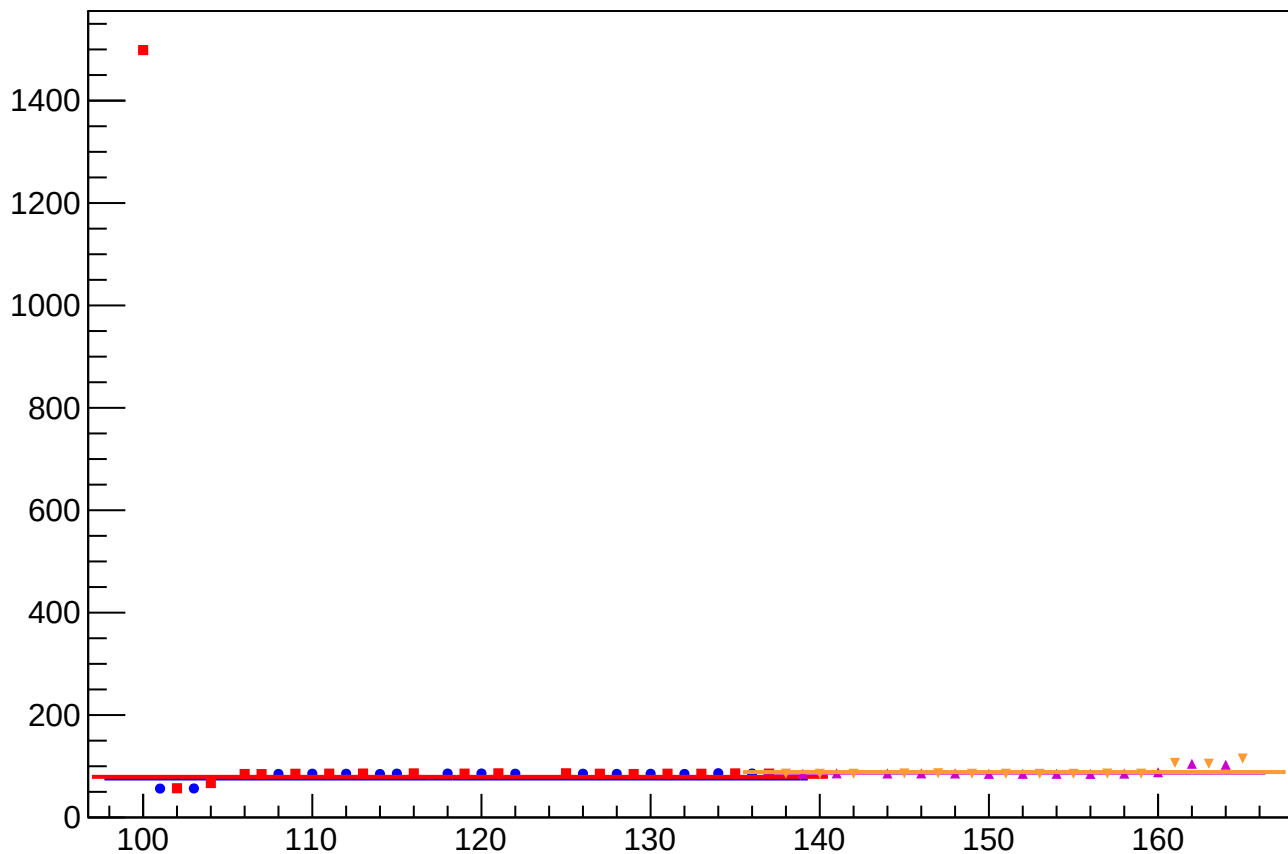
Left In: -56.170+/-27.258 χ^2 /NDF:17.3/12

+ sign 21.918+/-20.245 χ^2 /NDF: 24.6/29

All: 1.787+/-14.337 χ^2 /NDF: 60.9/60

- sign -18.464+/-20.305 χ^2 /NDF: 34.3/30

asym_ds_dd_rms vs Slug



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

Left Out: 88.668 $\pm$ 0.019 χ^2 /NDF: 168657.8/13

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

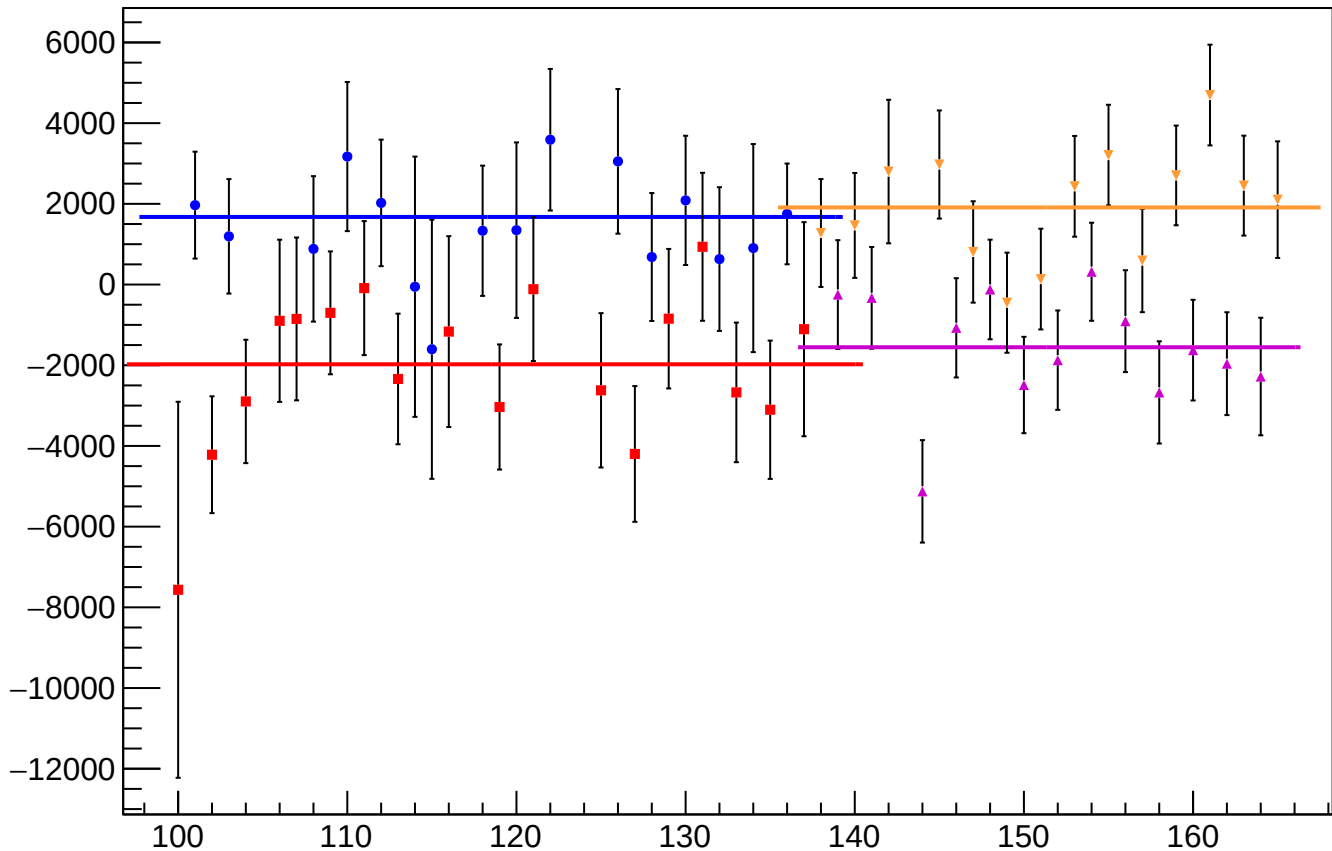
Left In: 87.523 $\pm$ 0.019 χ^2 /NDF: 77154.8/12

+ sign 82.914 $\pm$ 0.014 χ^2 /NDF: 770288.7/29

All: 83.396 $\pm$ 0.010 χ^2 /NDF: 1317598.8/60

- sign 83.880 $\pm$ 0.014 χ^2 /NDF: 545039.8/30

reg_asym_usl_mean vs Slug



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

Left Out: 1910.907 $\pm$ 347.690 χ^2 /NDF:15.6/13

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

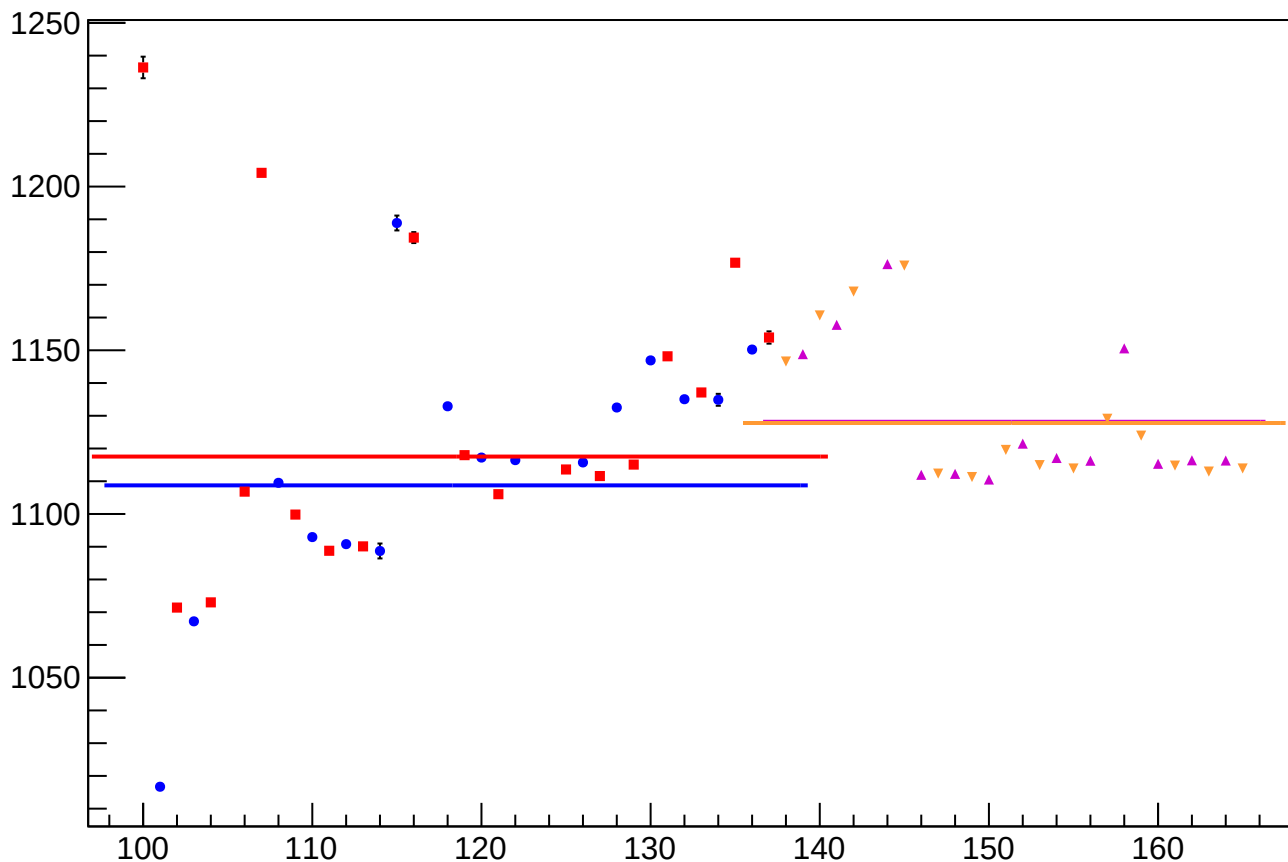
Left In: -1554.038 $\pm$ 350.611 χ^2 /NDF:15.7/12

+ sign 1817.799 $\pm$ 270.513 χ^2 /NDF: 20.9/29

All: 40.975 $\pm$ 191.023 χ^2 /NDF: 137.3/60

- sign -1726.285 $\pm$ 269.784 χ^2 /NDF: 30.4/30

reg_asym_usl_rms vs Slug



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

Left Out: 1127.790 $\pm$ 0.246 χ^2 /NDF: 7177.6/13

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

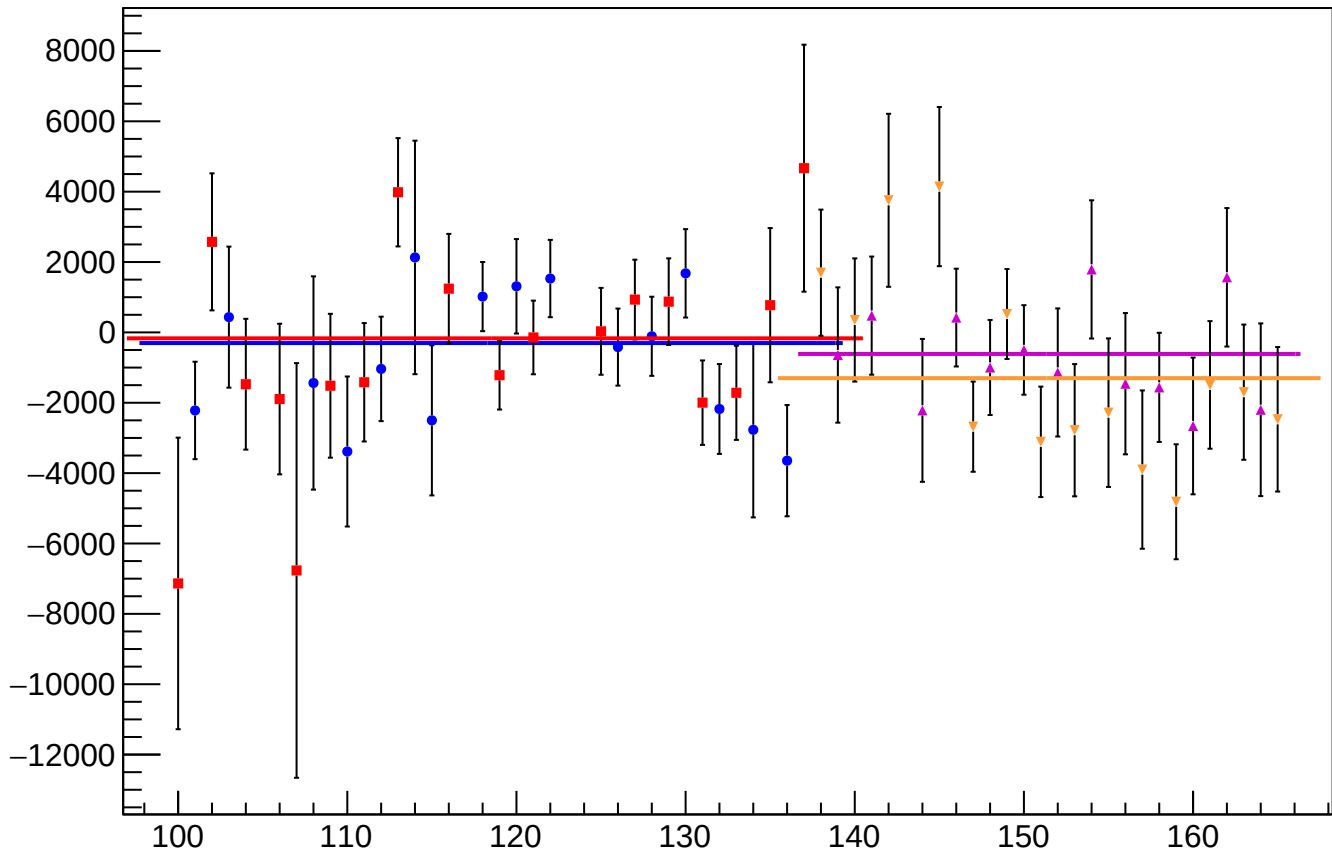
Left In: 1128.160 $\pm$ 0.248 χ^2 /NDF: 7109.9/12

+ sign 1120.271 $\pm$ 0.191 χ^2 /NDF: 27628.1/29

All: 1122.054 $\pm$ 0.135 χ^2 /NDF: 51175.2/60

- sign 1123.828 $\pm$ 0.191 χ^2 /NDF: 23373.8/30

asym_usl_correction_mean vs Slug



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

Left Out: -1300.399 ± 470.556 χ^2/NDF : 25.4/13

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

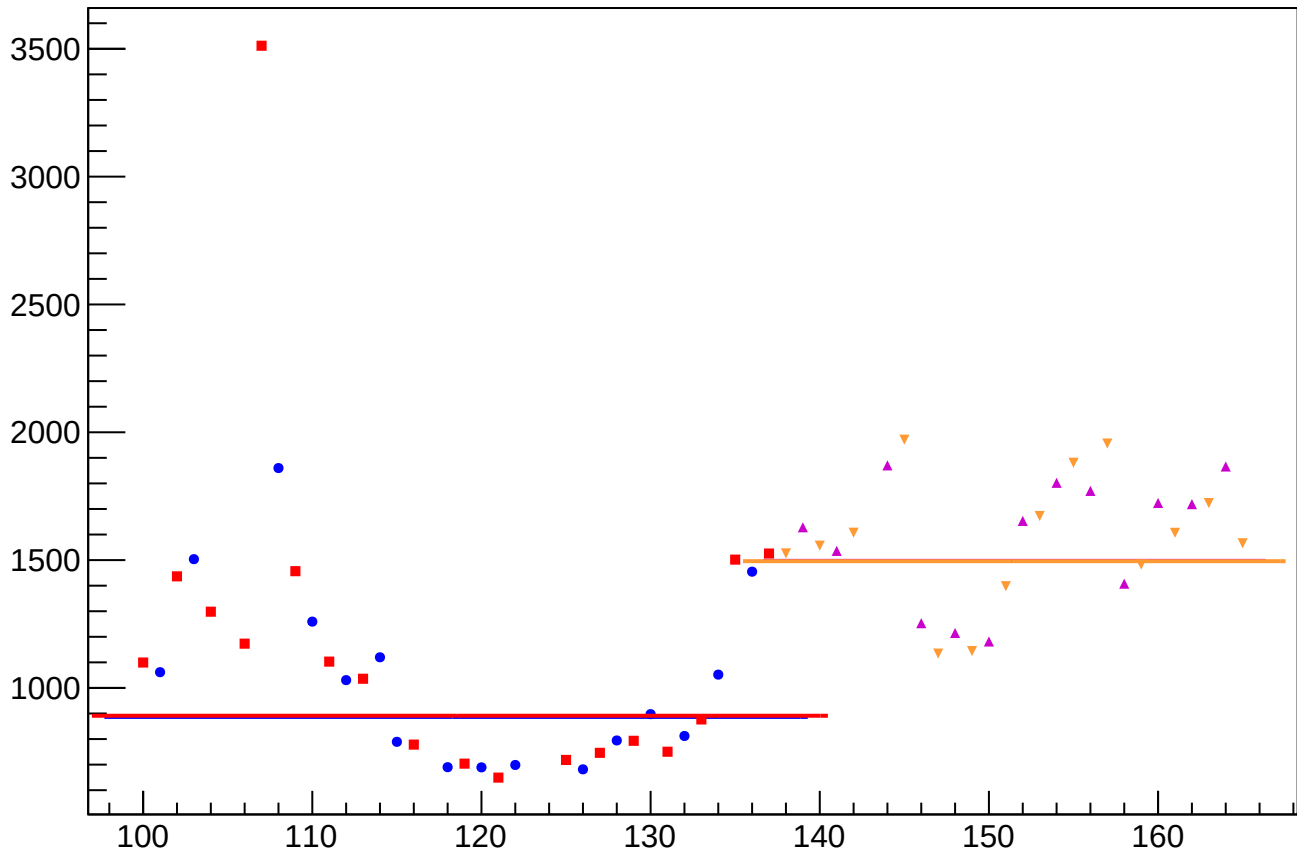
Left In: -612.526 ± 473.290 χ^2/NDF : 6.6/12

+ sign -671.546 ± 285.955 χ^2/NDF : 50.5/29

All: -499.625 ± 201.728 χ^2/NDF : 83.2/60

- sign -329.303 ± 284.623 χ^2/NDF : 32.0/30

asym_usl_correction_rms vs Slug



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

Left Out: 1495.794+/-0.333 χ^2/NDF : 619248.7/13

+ sign 1111.630+/-0.202 χ^2/NDF : 3793675.1/29

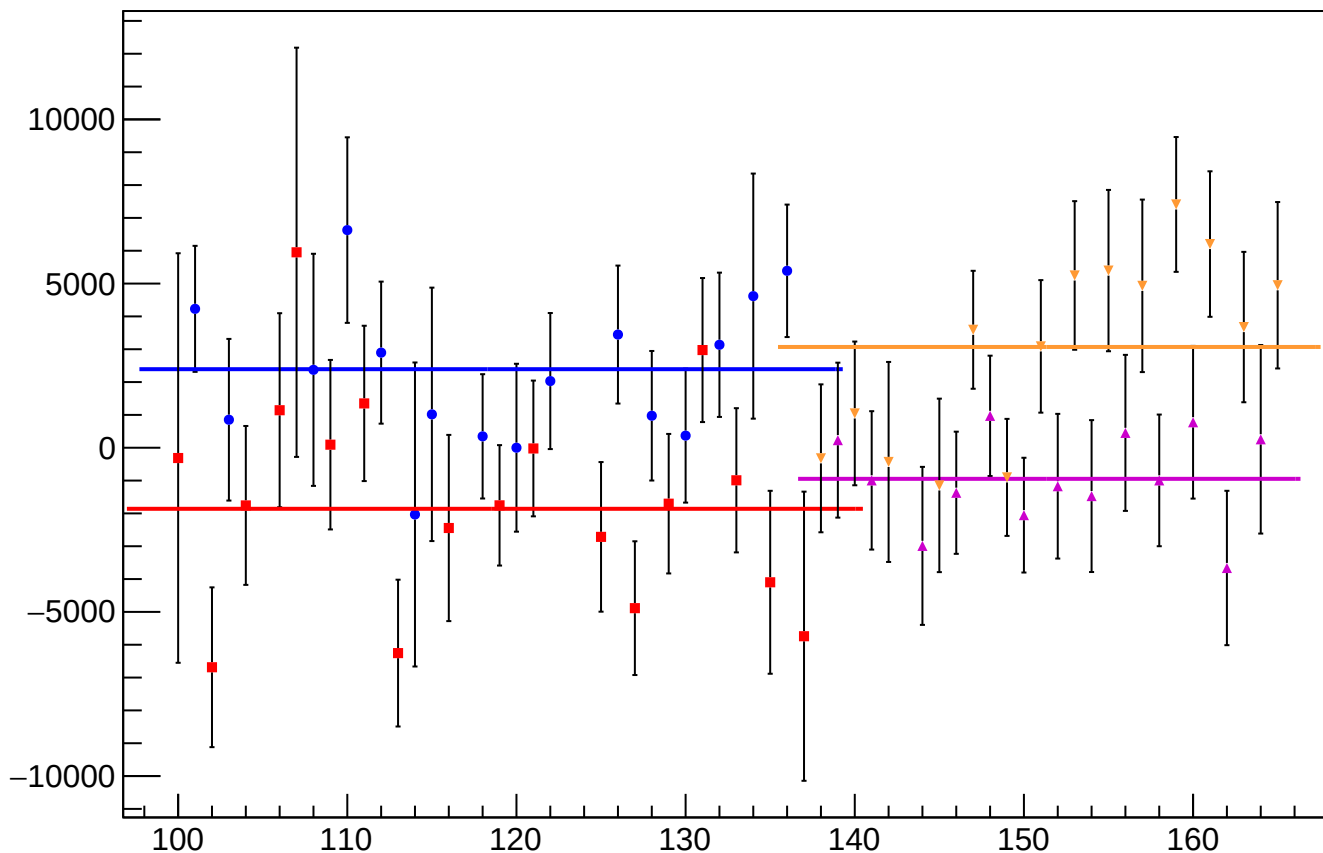
Right Out: 891.197+/-0.252 χ^2/NDF : 1414187.9/17

All: 1110.956+/-0.143 χ^2/NDF : 7854027.7/60

- sign 1110.288+/-0.201 χ^2/NDF : 4060330.5/30

Left In: 1497.012+/-0.335 χ^2/NDF : 554355.6/12

asym_usl_mean vs Slug



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

Left Out: 3069.229 $\pm$ 595.470 χ^2 /NDF:21.5/13

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

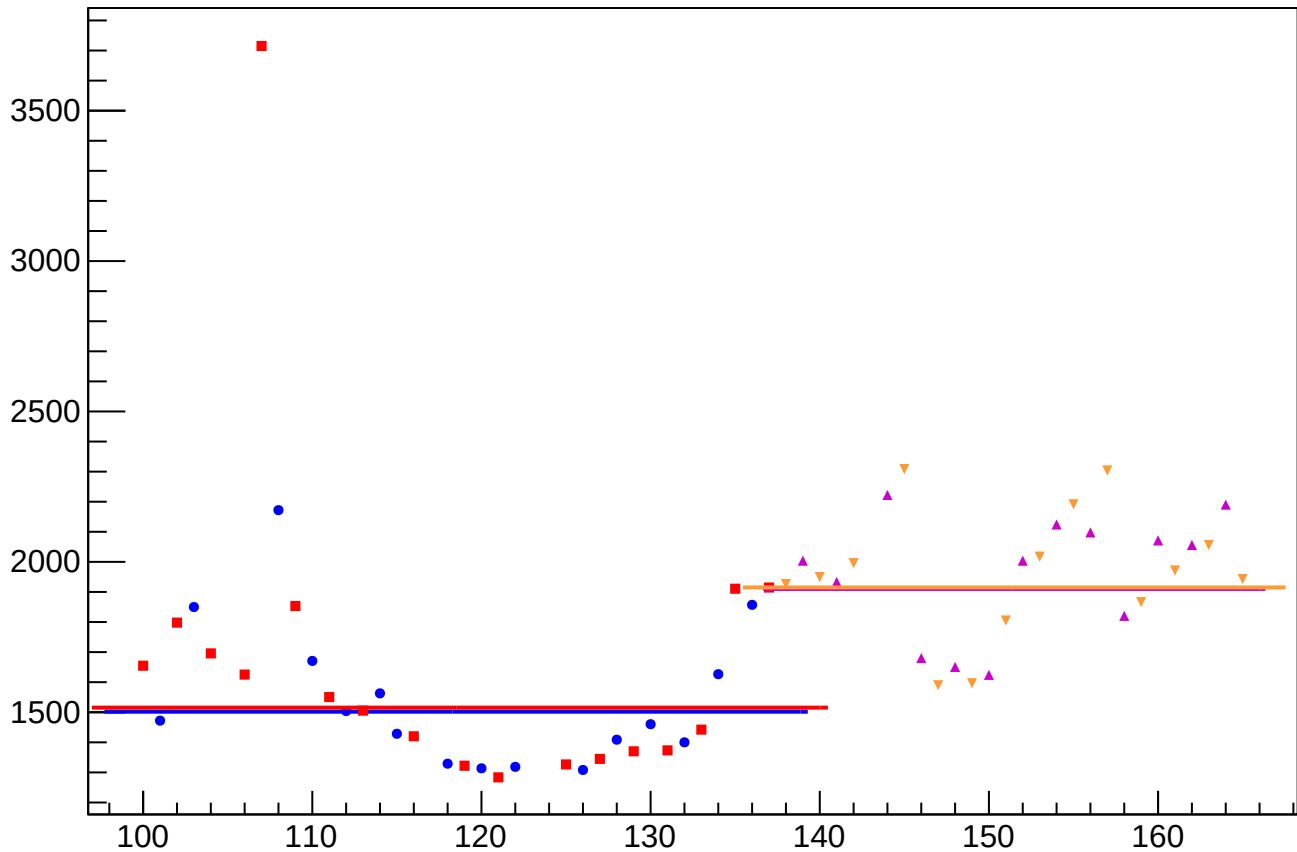
Left In: -947.270 $\pm$ 597.899 χ^2 /NDF:5.0/12

+ sign 2727.105 $\pm$ 418.751 χ^2 /NDF: 33.3/29

All: 649.638 $\pm$ 295.643 χ^2 /NDF: 111.0/60

- sign -1414.988 $\pm$ 417.455 χ^2 /NDF: 28.7/30

asym_usl_rms vs Slug



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

Left Out: 1914.923+/-0.421 χ^2/NDF : 265164.6/13

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

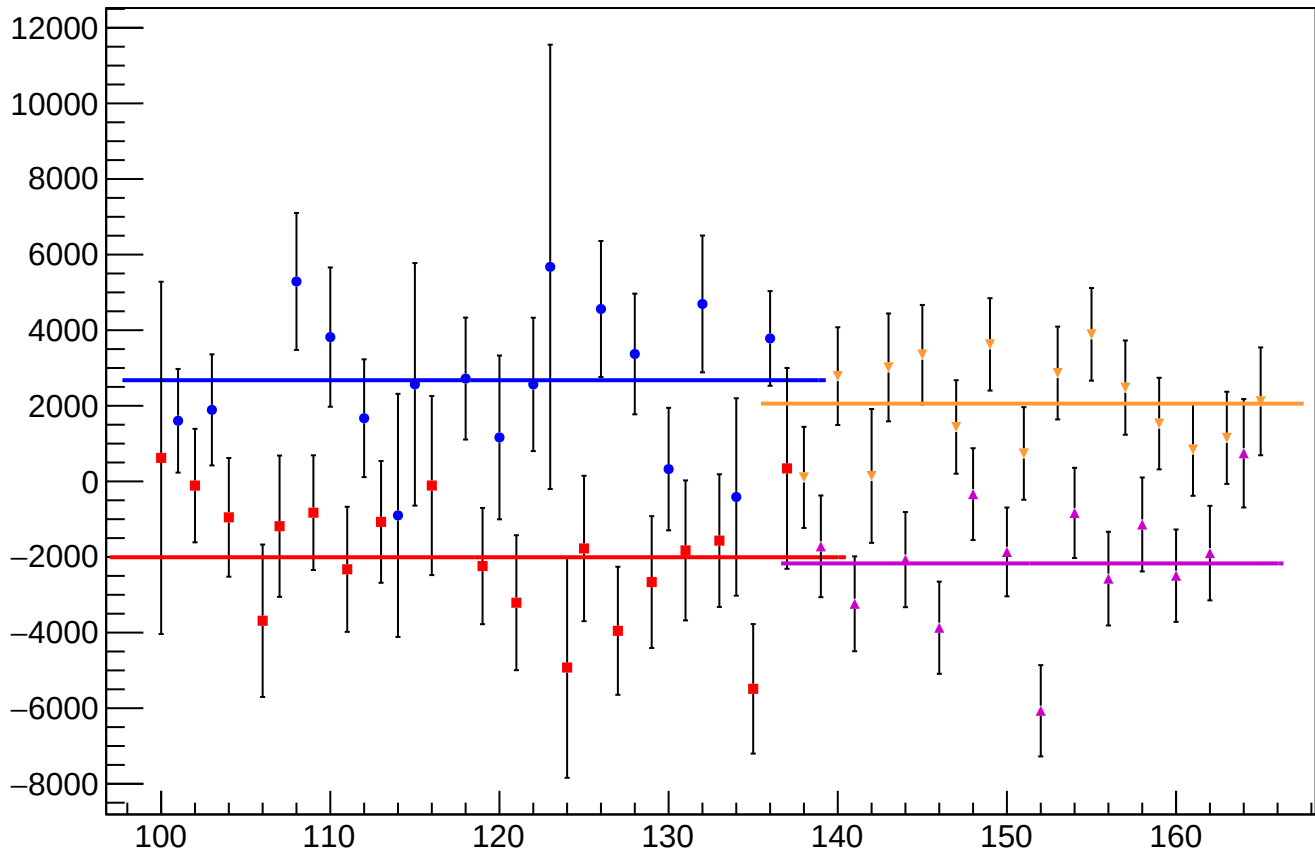
Left In: 1909.895+/-0.423 χ^2/NDF : 234807.6/12

+ sign 1706.171+/-0.296 χ^2/NDF : 1005983.9/29

All: 1706.945+/-0.209 χ^2/NDF : 2166784.2/60

- sign 1707.714+/-0.295 χ^2/NDF : 1160786.7/30

reg_asym_usr_mean vs Slug



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

Left Out: 2058.082 $\pm$ 332.962 χ^2 /NDF:12.6/14

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

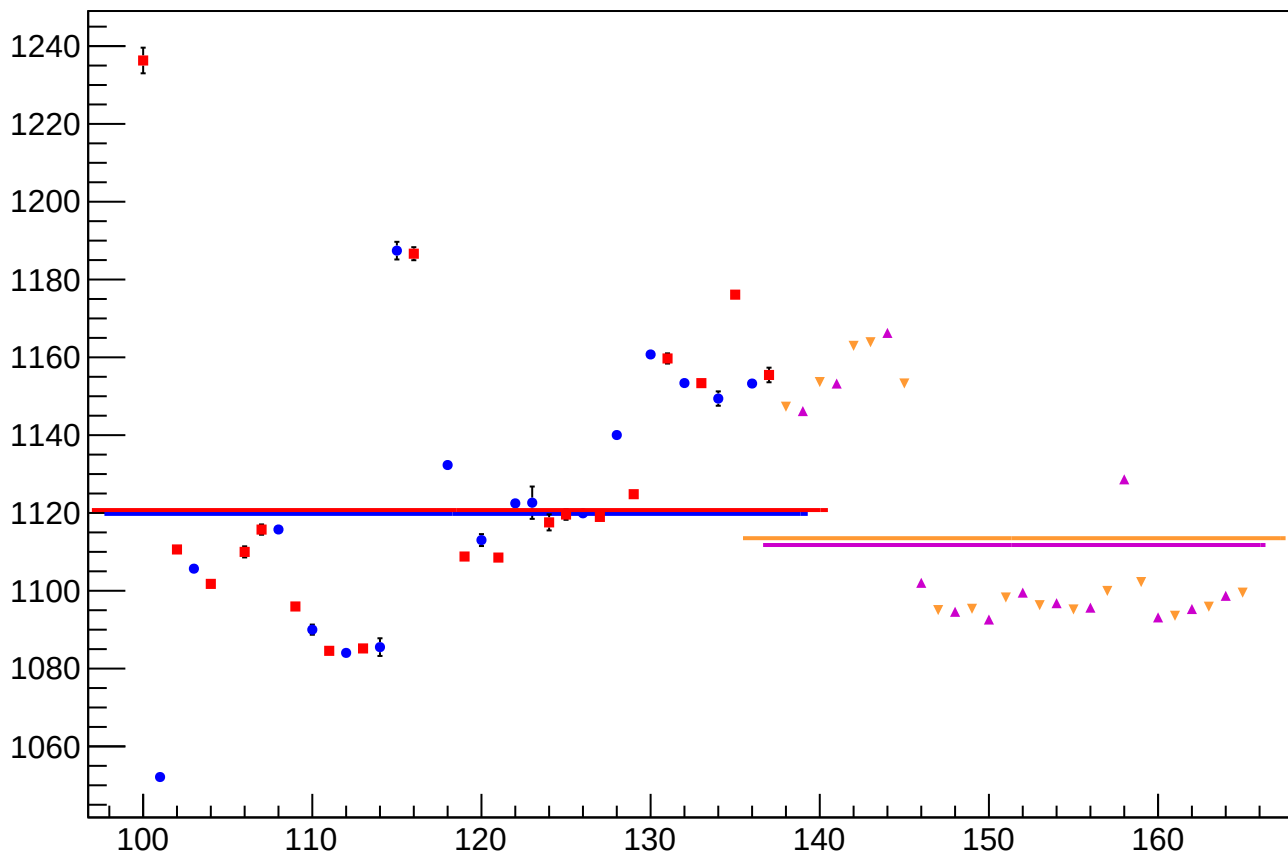
Left In: -2170.058 $\pm$ 345.544 χ^2 /NDF:21.9/12

+ sign 2287.558 $\pm$ 264.079 χ^2 /NDF: 26.5/31

All: 112.904 $\pm$ 187.626 χ^2 /NDF: 198.1/63

- sign -2103.911 $\pm$ 266.627 χ^2 /NDF: 34.7/31

reg_asym_usr_rms vs Slug



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

Left Out: 1113.514 $\pm$ 0.235 χ^2 /NDF:12672.6/14

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

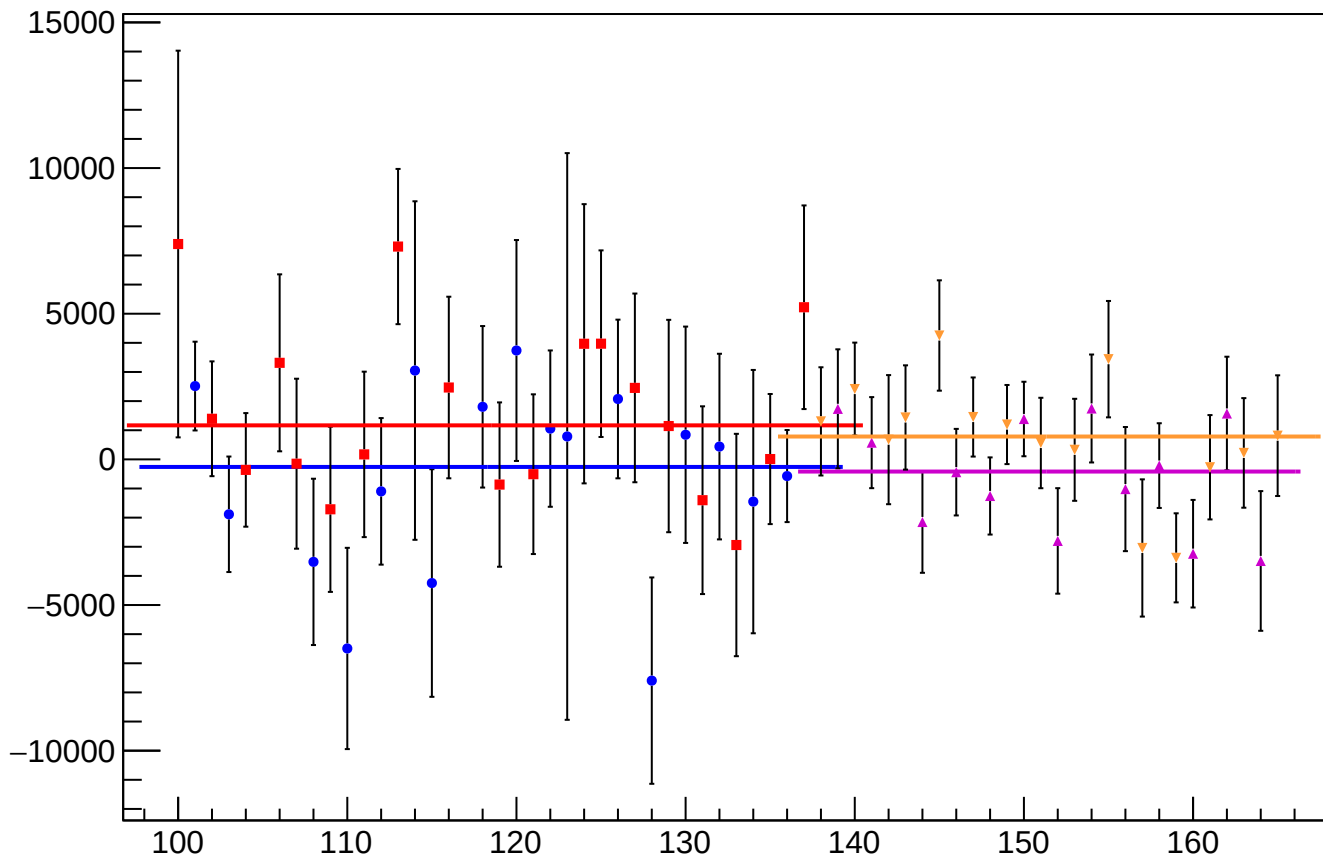
Left In: 1111.764 $\pm$ 0.244 χ^2 /NDF:10508.3/12

+ sign 1115.832 $\pm$ 0.187 χ^2 /NDF: 24810.7/31

All: 1115.617 $\pm$ 0.133 χ^2 /NDF: 45802.6/63

- sign 1115.398 $\pm$ 0.189 χ^2 /NDF: 20989.3/31

asym_usr_correction_mean vs Slug



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

Left Out: 784.177+/-447.672 χ^2/NDF : 17.3/14

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

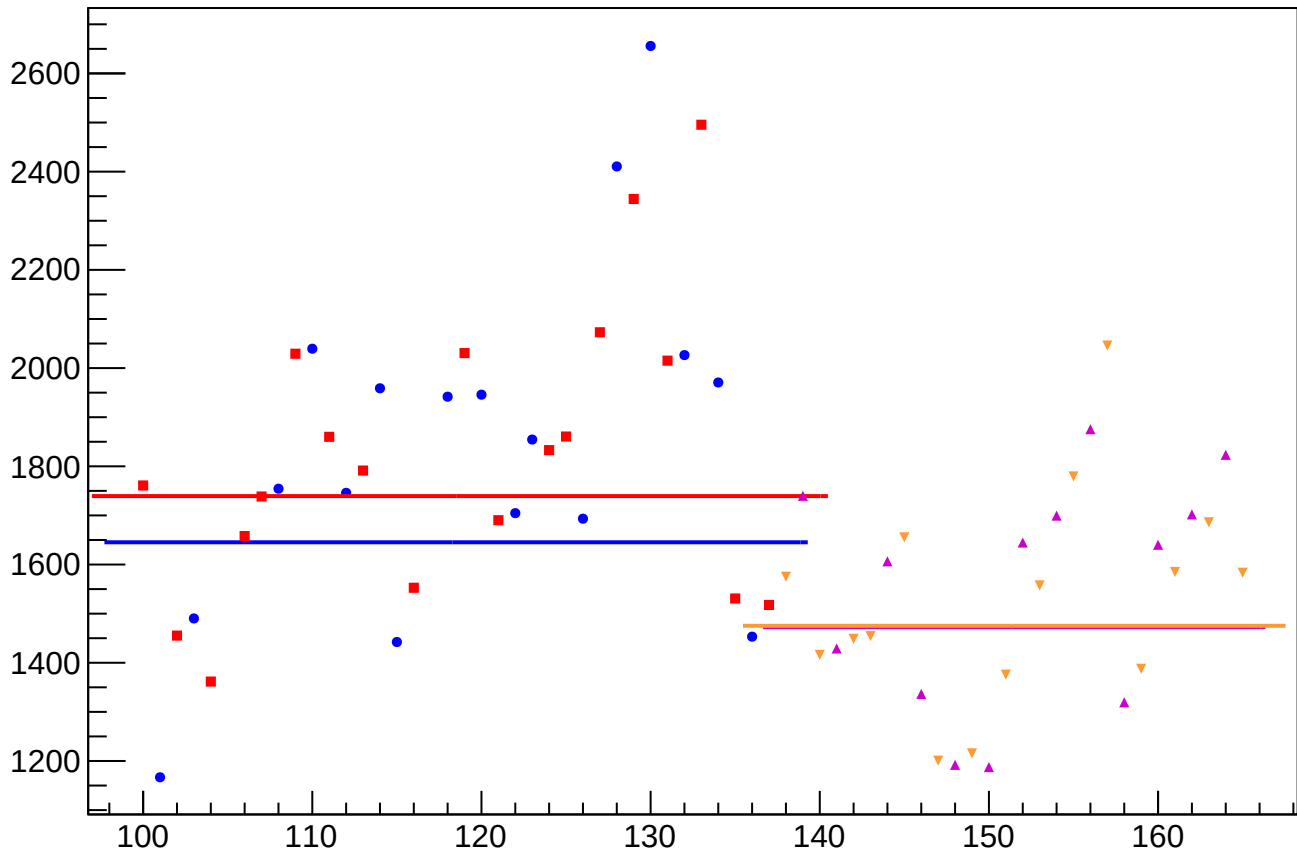
Left In: -418.224+/-464.633 χ^2/NDF : 13.1/12

+ sign 451.962+/-369.644 χ^2/NDF : 36.2/31

All: 283.304+/-265.096 χ^2/NDF : 68.0/63

- sign 104.697+/-380.390 χ^2/NDF : 31.4/31

asym_usr_correction_rms vs Slug



Right In: 1645.307 $\pm$ 0.463 χ^2 /NDF: 600915.2/16

Left Out: 1475.319 $\pm$ 0.317 χ^2 /NDF: 403143.7/14

Right Out: 1739.382 $\pm$ 0.468 χ^2 /NDF: 371012.9/18

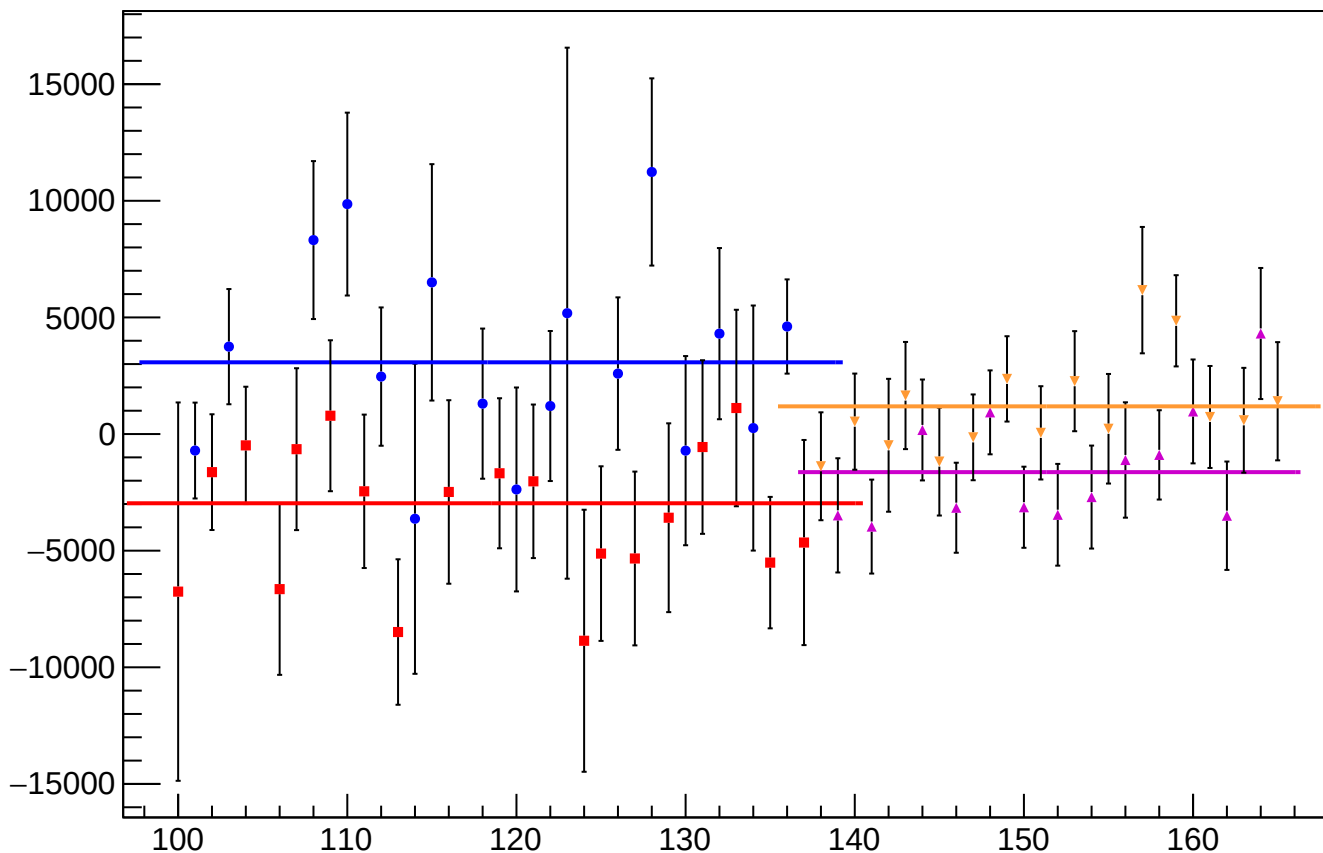
Left In: 1472.594 $\pm$ 0.329 χ^2 /NDF: 482206.0/12

+ sign 1529.412 $\pm$ 0.261 χ^2 /NDF: 1095821.0/31

All: 1544.543 $\pm$ 0.187 χ^2 /NDF: 2173372.0/63

- sign 1560.566 $\pm$ 0.269 χ^2 /NDF: 1070650.9/31

asym_usr_mean vs Slug



Right In: 3075.401+/-802.249 χ^2/NDF : 18.6/16

Left Out: 1187.101+/-565.607 χ^2/NDF : 11.5/14

Right Out: -2967.536+/-795.639 χ^2/NDF : 11.9/18

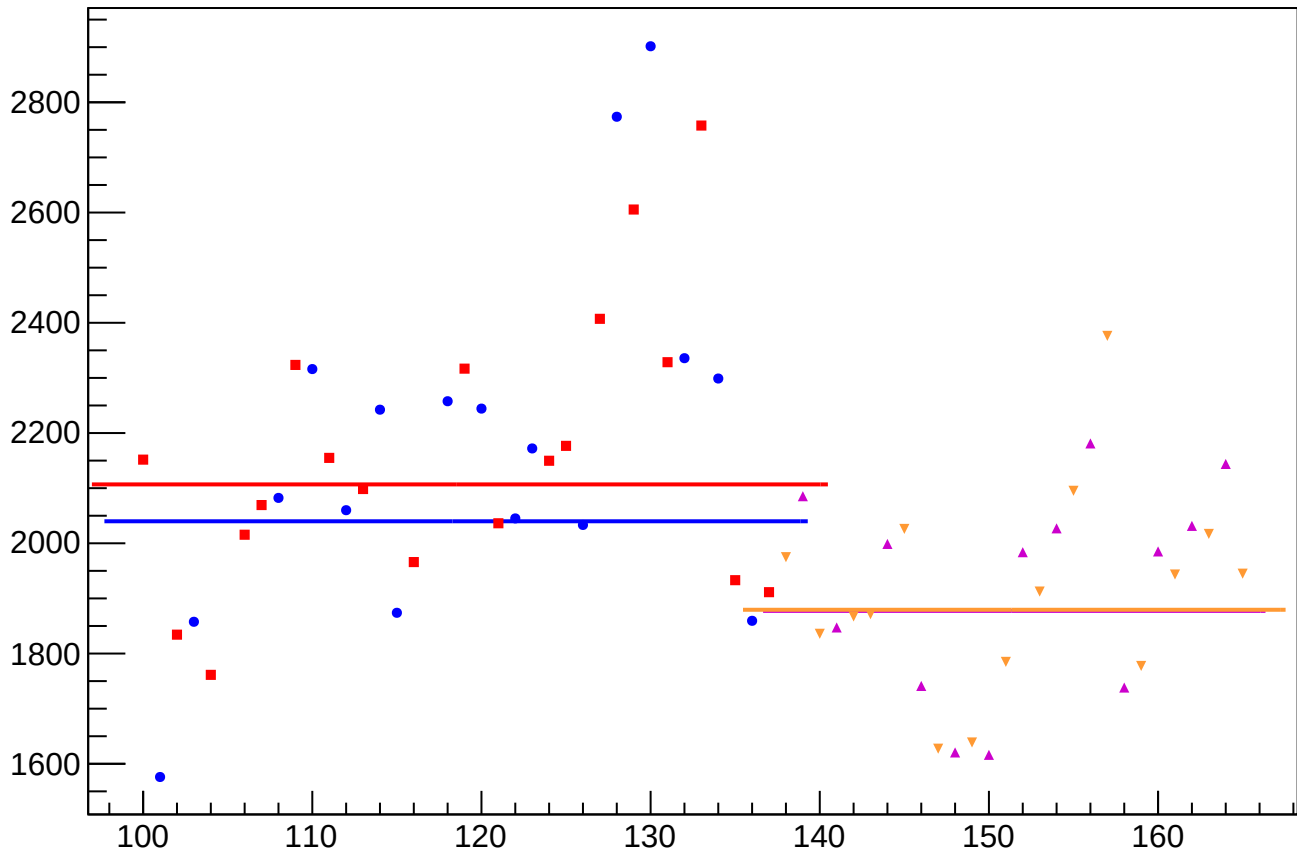
Left In: -1632.794+/-587.149 χ^2/NDF : 13.6/12

+ sign 1814.063+/-462.269 χ^2/NDF : 33.8/31

All: -102.060+/-330.409 χ^2/NDF : 96.2/63

- sign -2103.392+/-472.436 χ^2/NDF : 27.3/31

asym_usr_rms vs Slug



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

Left Out: 1879.412 $\pm$ 0.400 χ^2 /NDF:189667.2/14

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

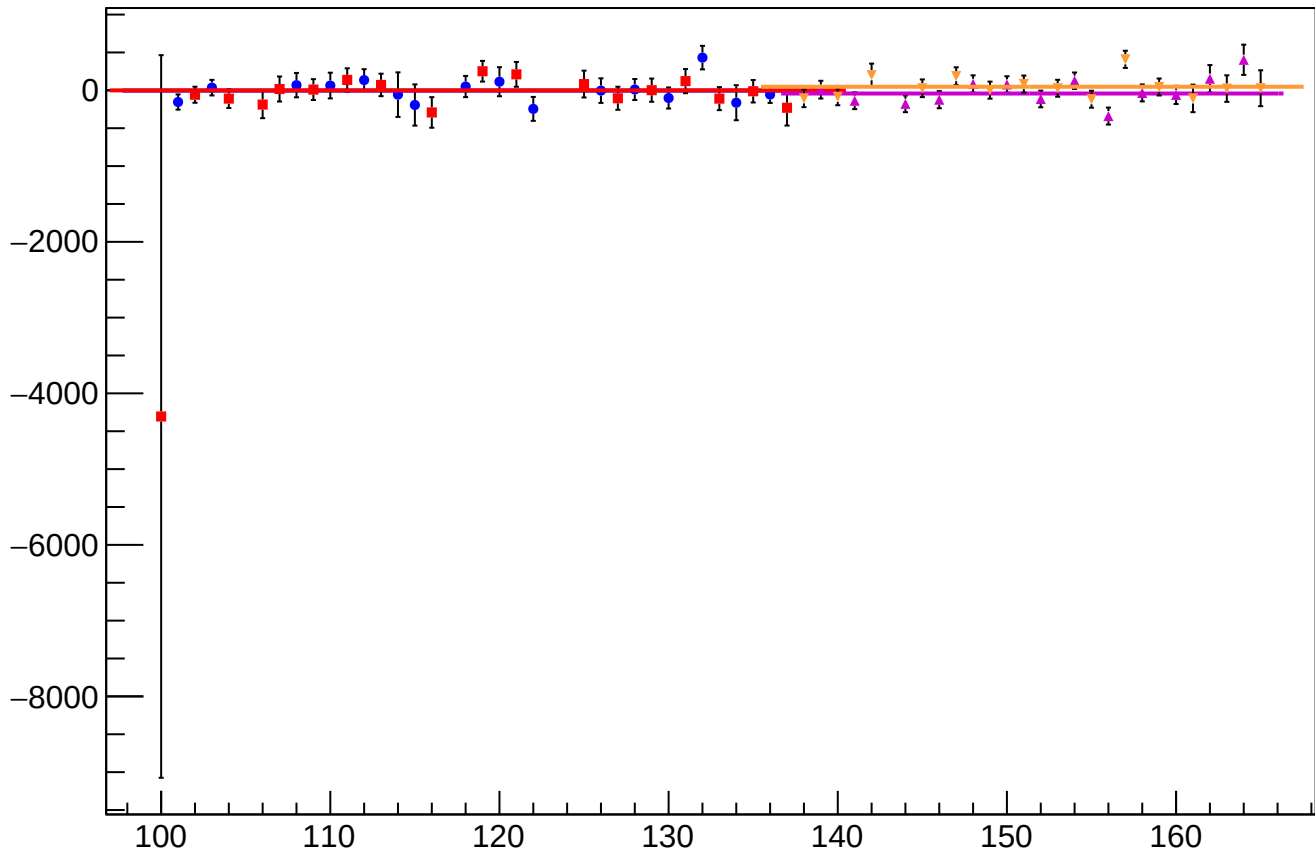
Left In: 1877.356 $\pm$ 0.415 χ^2 /NDF:203193.2/12

+ sign 1932.712 $\pm$ 0.327 χ^2 /NDF: 575142.7/31

All: 1945.210 $\pm$ 0.234 χ^2 /NDF: 1084485.3/63

- sign 1958.264 $\pm$ 0.334 χ^2 /NDF: 506353.6/31

reg_asym_dsl_mean vs Slug



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

Left Out: 47.323 ± 33.346 χ^2/NDF : 18.9/13

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

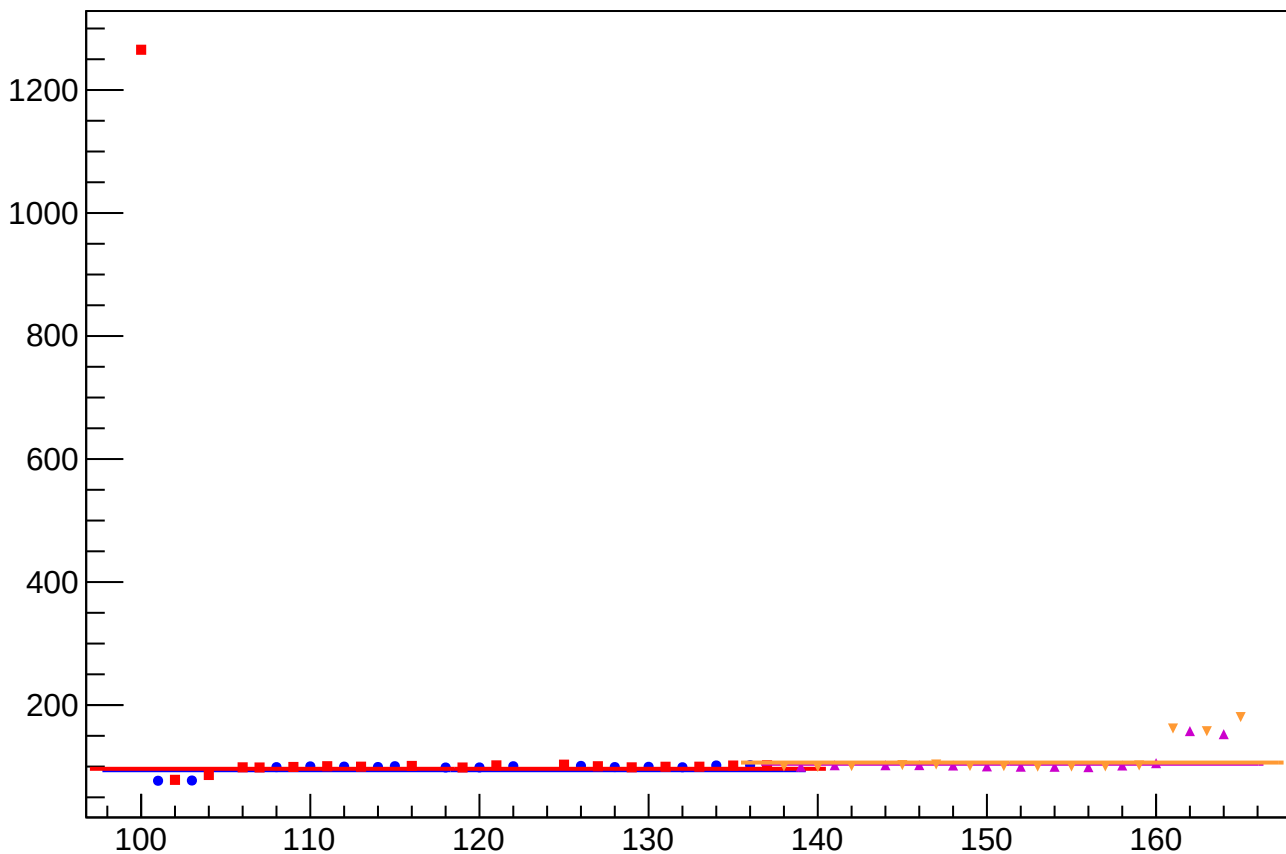
Left In: -41.988 ± 32.781 χ^2/NDF : 21.5/12

+ sign 24.448 ± 24.684 χ^2/NDF : 36.1/29

All: 0.208 ± 17.370 χ^2/NDF : 74.3/60

- sign -23.570 ± 24.448 χ^2/NDF : 36.2/30

reg_asym_dsl_rms vs Slug



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

Left Out: 106.523 $\pm$ 0.024 χ^2 /NDF: 604417.8/13

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

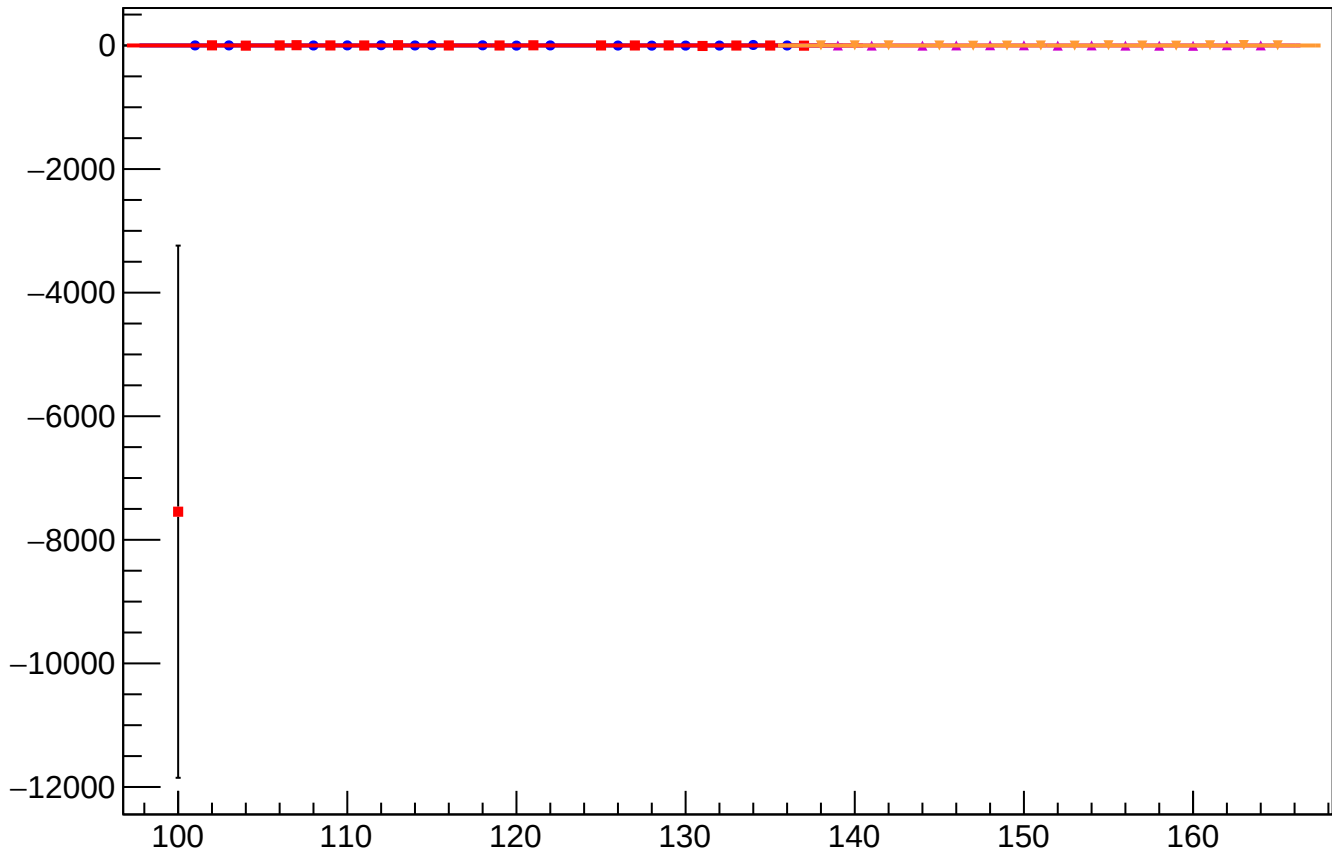
Left In: 104.546 $\pm$ 0.023 χ^2 /NDF: 314248.7/12

+ sign 100.893 $\pm$ 0.017 χ^2 /NDF: 882828.1/29

All: 100.906 $\pm$ 0.012 χ^2 /NDF: 1461496.2/60

- sign 100.919 $\pm$ 0.017 χ^2 /NDF: 578667.1/30

asym_dsl_correction_mean vs Slug



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

Left Out: -0.388 $\pm$ 0.578 χ^2 /NDF: 19.3/13

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

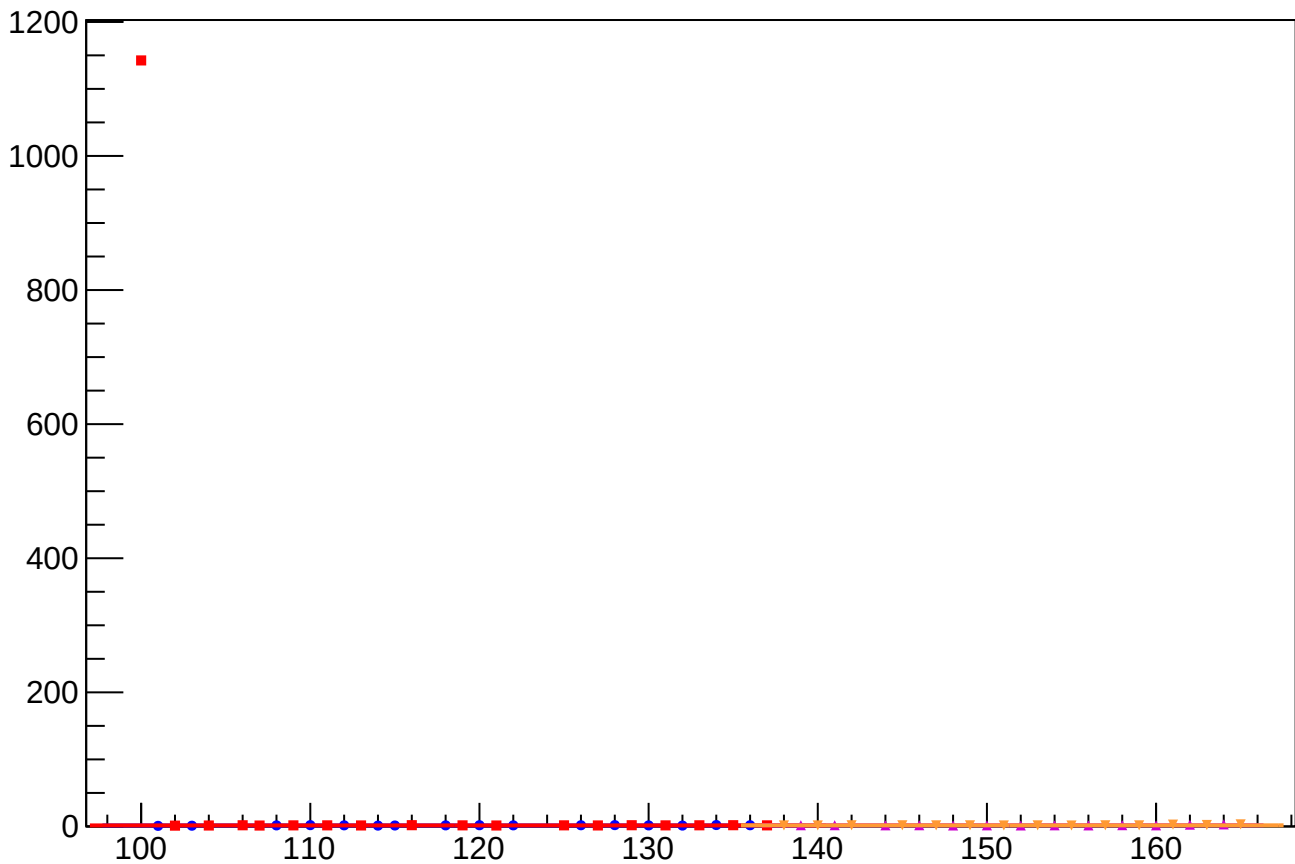
Left In: 0.028 $\pm$ 0.596 χ^2 /NDF: 20.0/12

+ sign -0.006 $\pm$ 0.422 χ^2 /NDF: 29.9/29

All: 0.074 $\pm$ 0.303 χ^2 /NDF: 72.9/60

- sign 0.159 $\pm$ 0.437 χ^2 /NDF: 42.9/30

asym_dsl_correction_rms vs Slug



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

Left Out: 1.678 $\pm$ 0.000 χ^2 /NDF: 536672.5/13

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

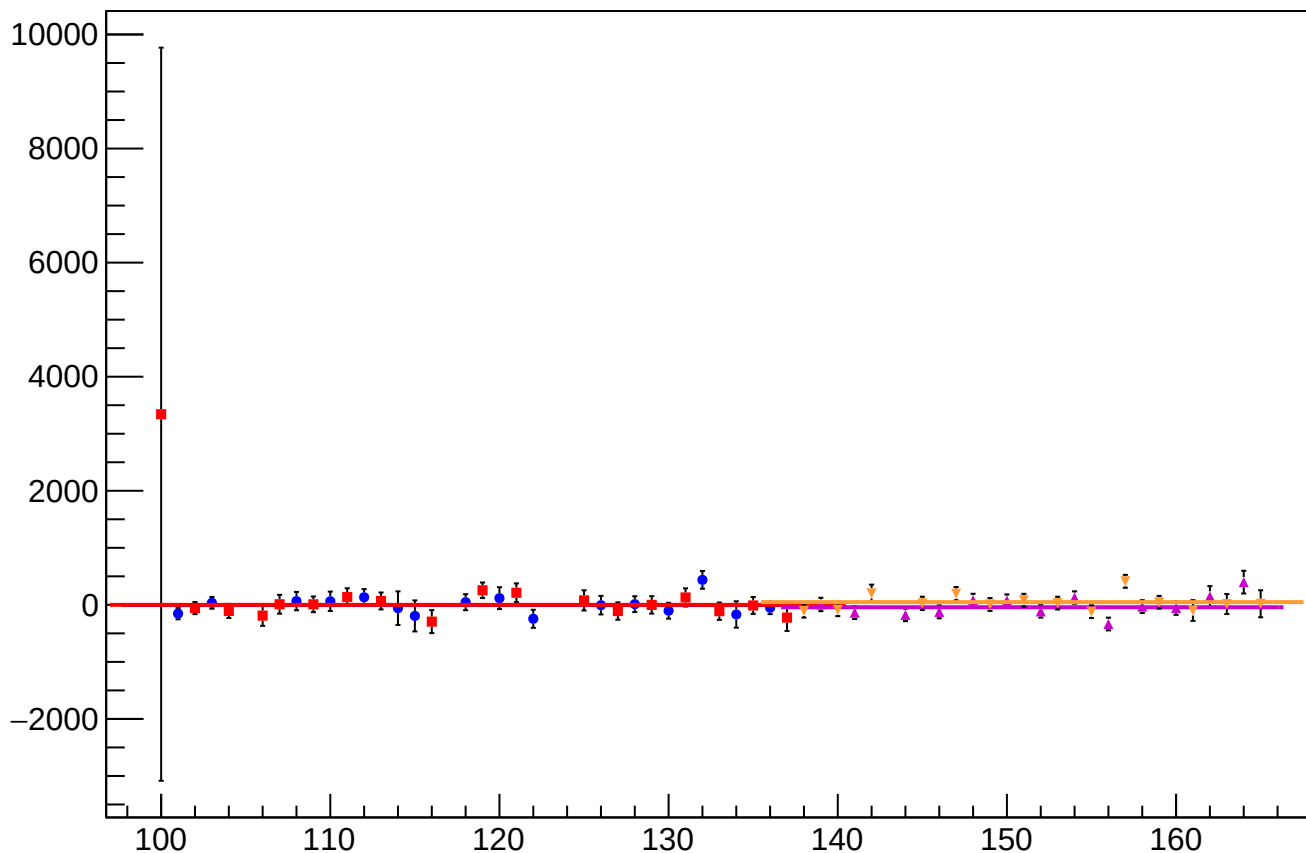
Left In: 1.758 $\pm$ 0.000 χ^2 /NDF: 469520.4/12

+ sign 1.557 $\pm$ 0.000 χ^2 /NDF: 1454545.3/29

All: 1.609 $\pm$ 0.000 χ^2 /NDF: 2408855.4/60

- sign 1.664 $\pm$ 0.000 χ^2 /NDF: 891668.1/30

asym_dsl_mean vs Slug



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

Left Out: 48.160 ± 33.355 χ^2/NDF : 19.3/13

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

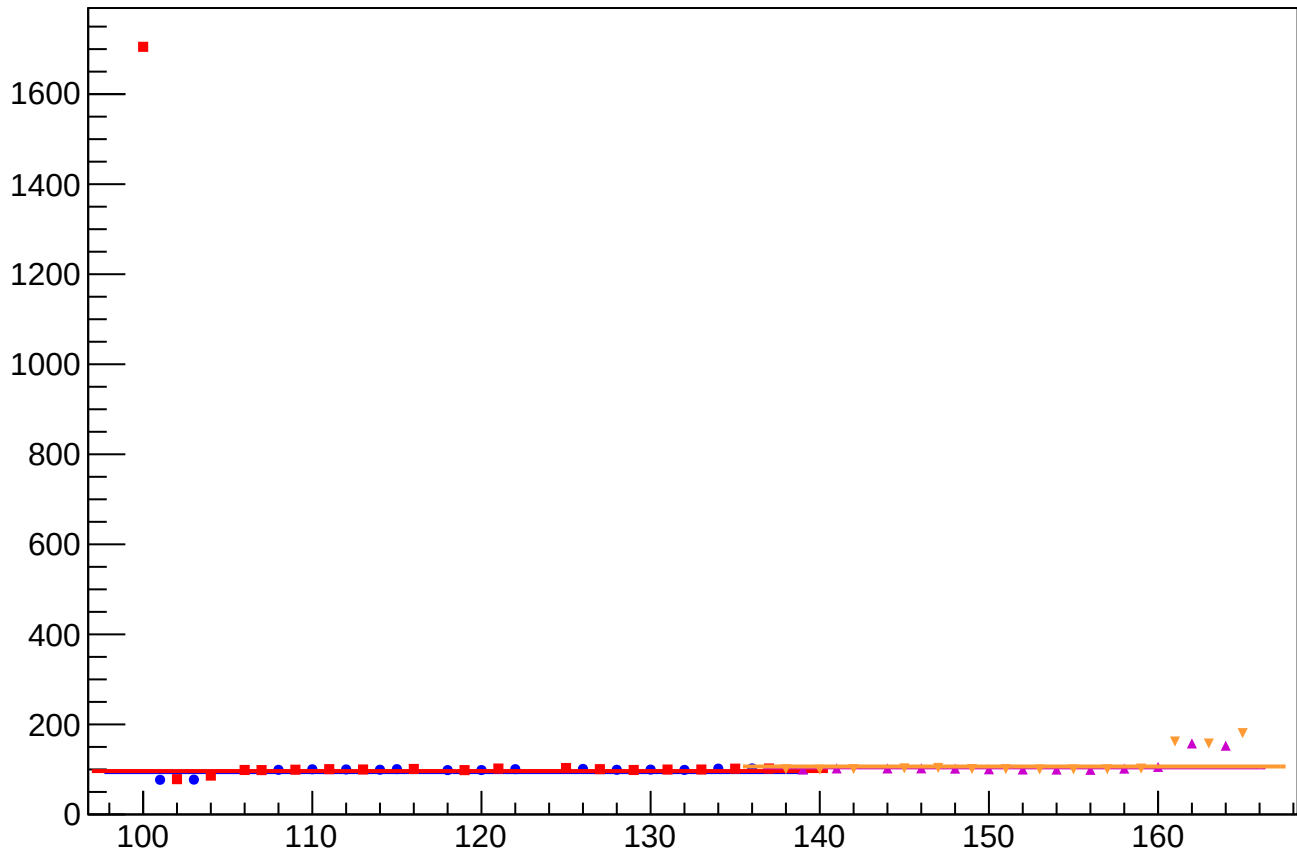
Left In: -41.830 ± 32.790 χ^2/NDF : 21.0/12

+ sign 24.989 ± 24.691 χ^2/NDF : 36.7/29

All: 0.591 ± 17.375 χ^2/NDF : 73.9/60

- sign -23.342 ± 24.455 χ^2/NDF : 35.3/30

asym_dsl_rms vs Slug



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

Left Out: 106.552+/-0.024 χ^2/NDF : 604807.1/13

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

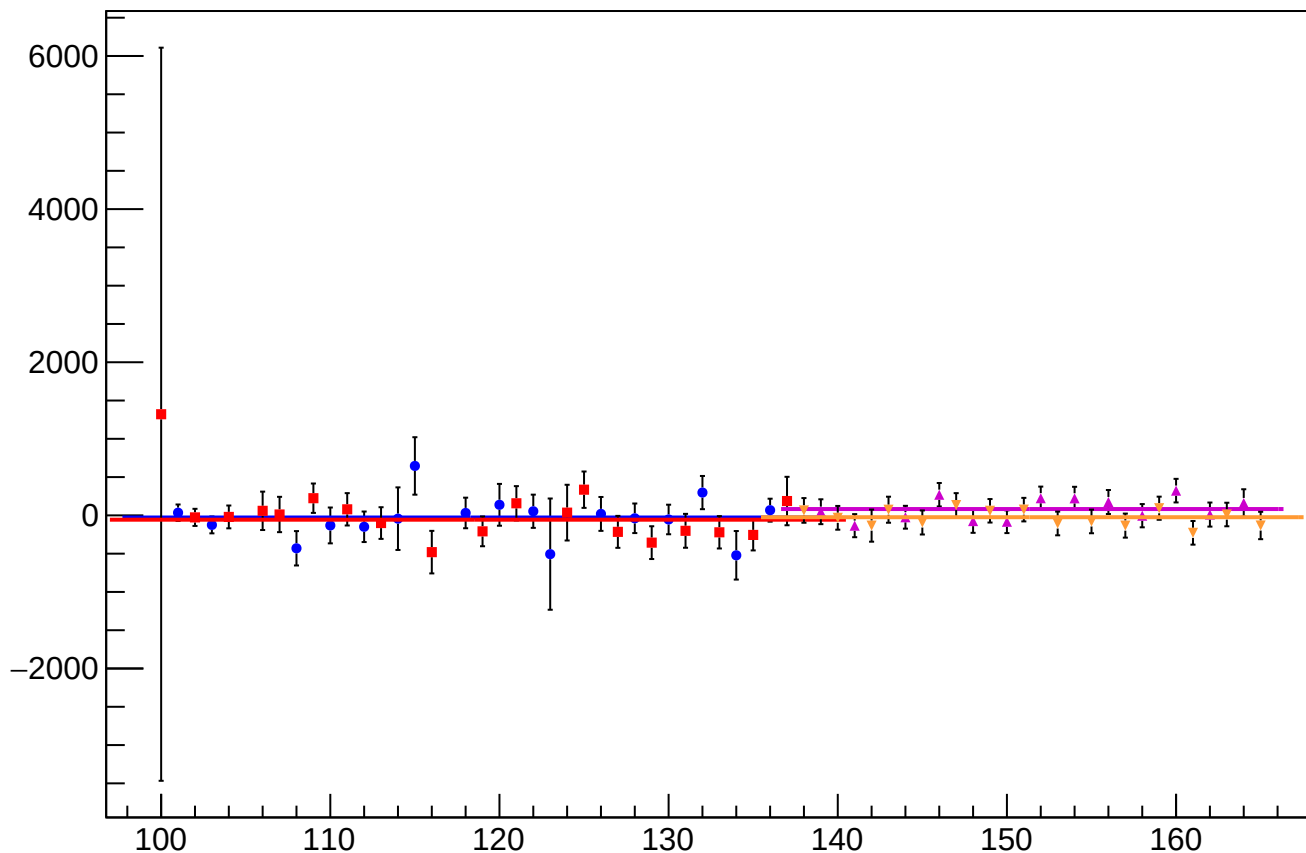
Left In: 104.575+/-0.023 χ^2/NDF : 314319.2/12

+ sign 100.920+/-0.017 χ^2/NDF : 883255.4/29

All: 100.929+/-0.012 χ^2/NDF : 1467366.7/60

- sign 100.939+/-0.017 χ^2/NDF : 584110.8/30

reg_asym_dsr_mean vs Slug



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

Left Out: -24.009 ± 41.258 χ^2/NDF : 6.5/14

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

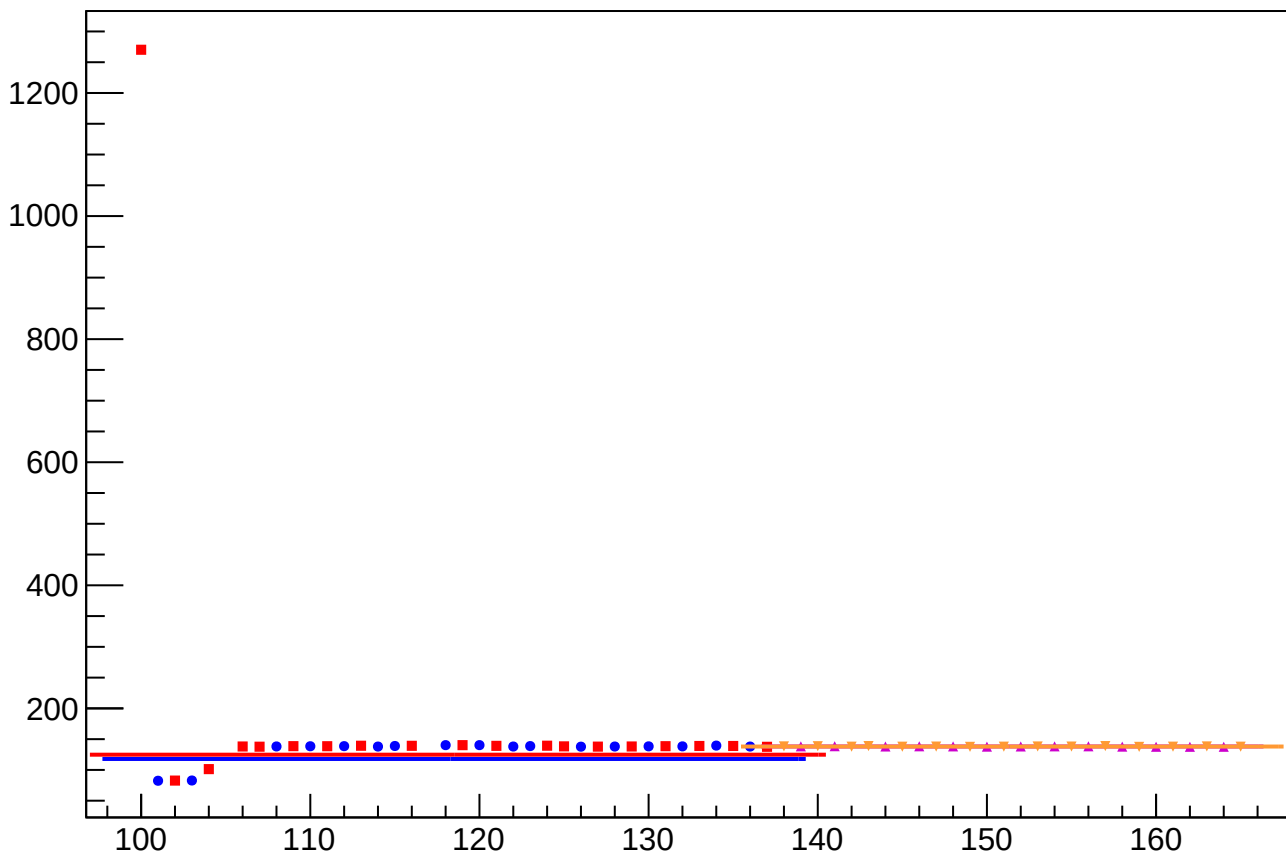
Left In: 82.760 ± 42.914 χ^2/NDF : 11.7/12

+ sign -25.685 ± 30.942 χ^2/NDF : 20.8/31

All: -3.290 ± 22.212 χ^2/NDF : 53.2/63

- sign 20.522 ± 31.905 χ^2/NDF : 31.3/31

reg_asym_dsr_rms vs Slug



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

Left Out: 138.018 $\pm$ 0.029 χ^2 /NDF: 177.2/14

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

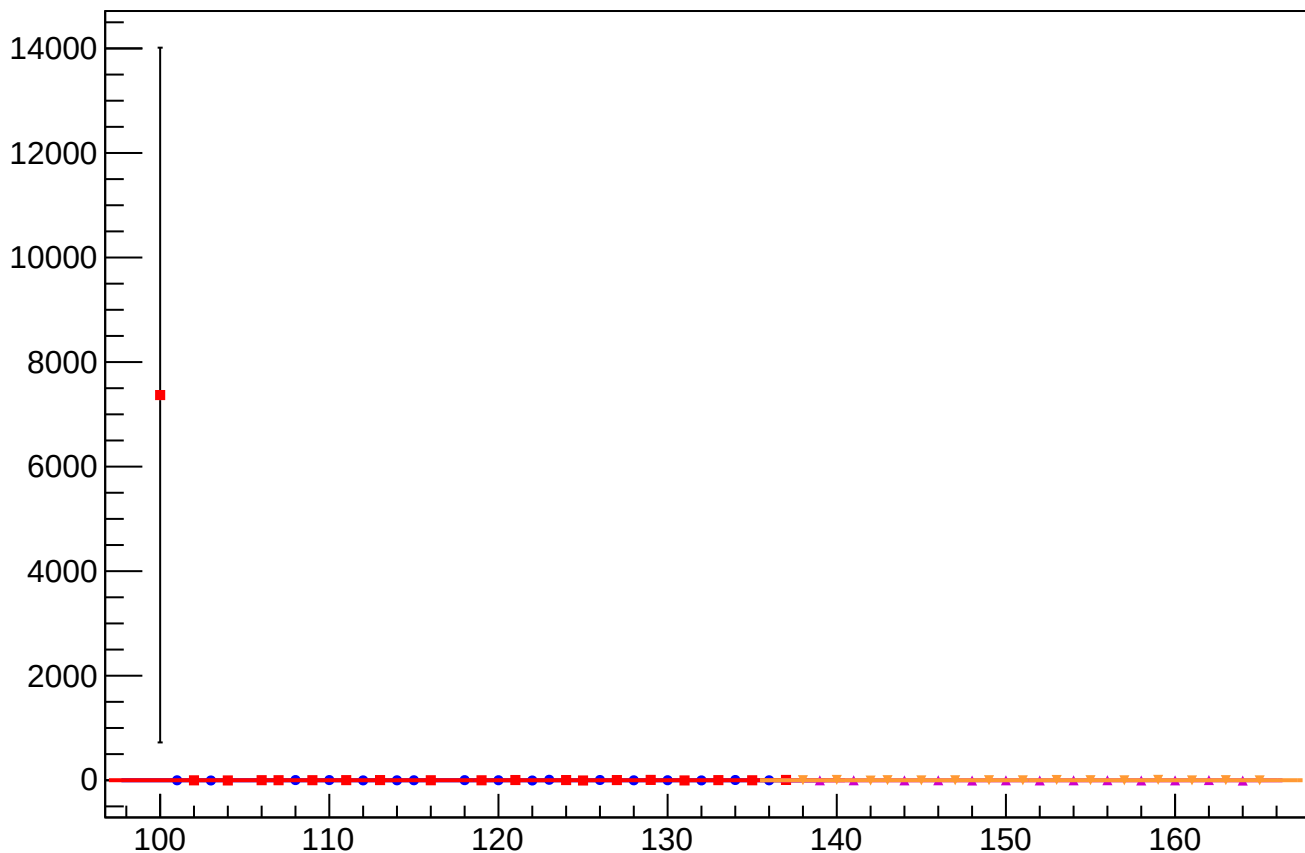
Left In: 138.100 $\pm$ 0.030 χ^2 /NDF: 104.1/12

+ sign 129.178 $\pm$ 0.022 χ^2 /NDF: 876593.3/31

All: 130.611 $\pm$ 0.016 χ^2 /NDF: 1541716.0/63

- sign 132.135 $\pm$ 0.023 χ^2 /NDF: 656266.9/31

asym_dsr_correction_mean vs Slug



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

Left Out: 0.437 ± 0.711 χ^2/NDF : 20.4/14

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

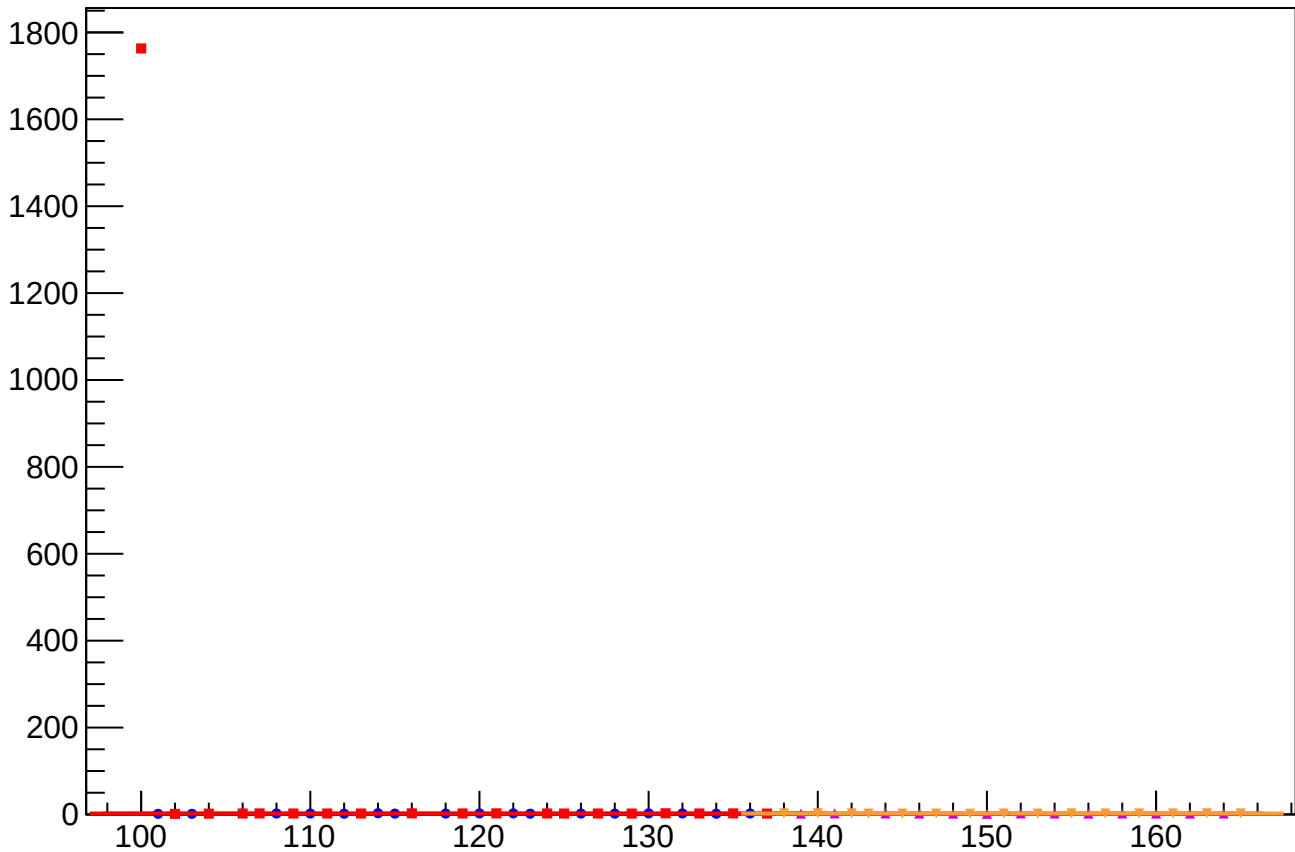
Left In: -1.206 ± 0.724 χ^2/NDF : 10.3/12

+ sign -0.056 ± 0.534 χ^2/NDF : 34.1/31

All: -0.236 ± 0.384 χ^2/NDF : 61.1/63

- sign -0.428 ± 0.551 χ^2/NDF : 26.7/31

asym_dsr_correction_rms vs Slug



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

Left Out: 2.183 $\pm$ 0.001 χ^2 /NDF: 212837.5/14

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

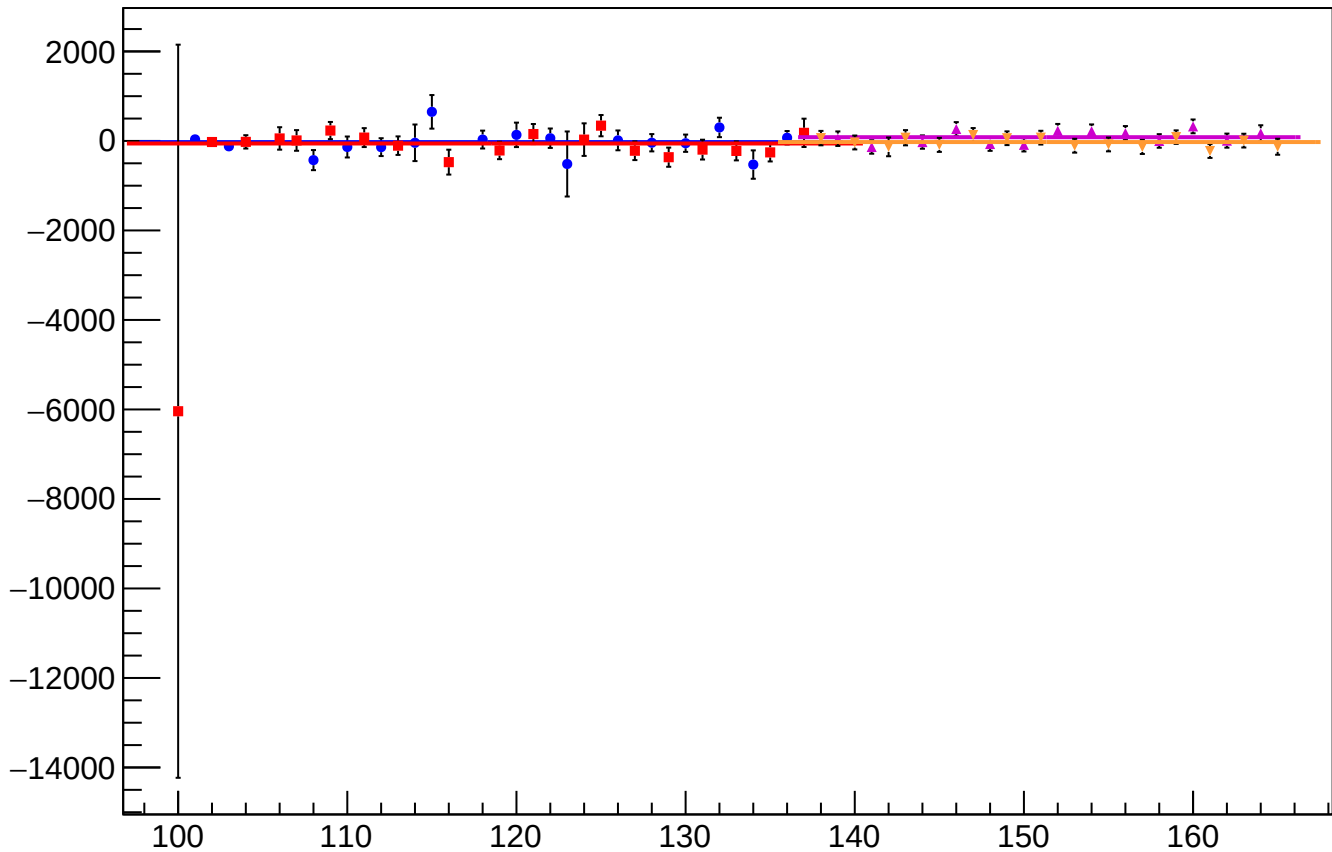
Left In: 2.086 $\pm$ 0.001 χ^2 /NDF: 273182.1/12

+ sign 2.046 $\pm$ 0.000 χ^2 /NDF: 875199.4/31

All: 2.061 $\pm$ 0.000 χ^2 /NDF: 1677798.5/63

- sign 2.077 $\pm$ 0.000 χ^2 /NDF: 799363.5/31

asym_dsr_mean vs Slug



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

Left Out: -25.057 ± 41.269 χ^2/NDF : 6.3/14

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

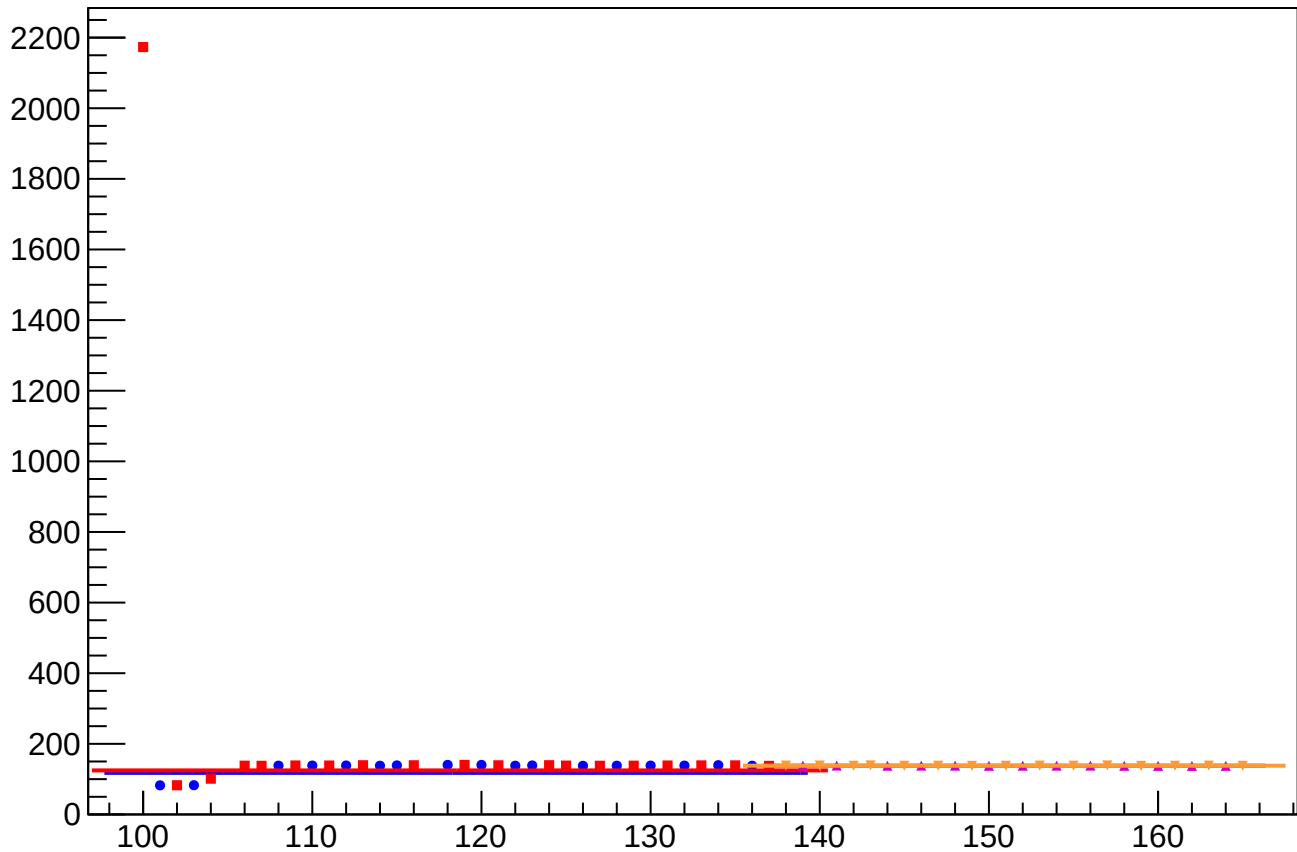
Left In: 83.535 ± 42.926 χ^2/NDF : 11.7/12

+ sign -25.583 ± 30.950 χ^2/NDF : 20.6/31

All: -3.217 ± 22.218 χ^2/NDF : 53.7/63

- sign 20.563 ± 31.914 χ^2/NDF : 32.0/31

asym_dsr_rms vs Slug



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

Left Out: 138.054 $\pm$ 0.029 χ^2 /NDF: 176.9/14

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

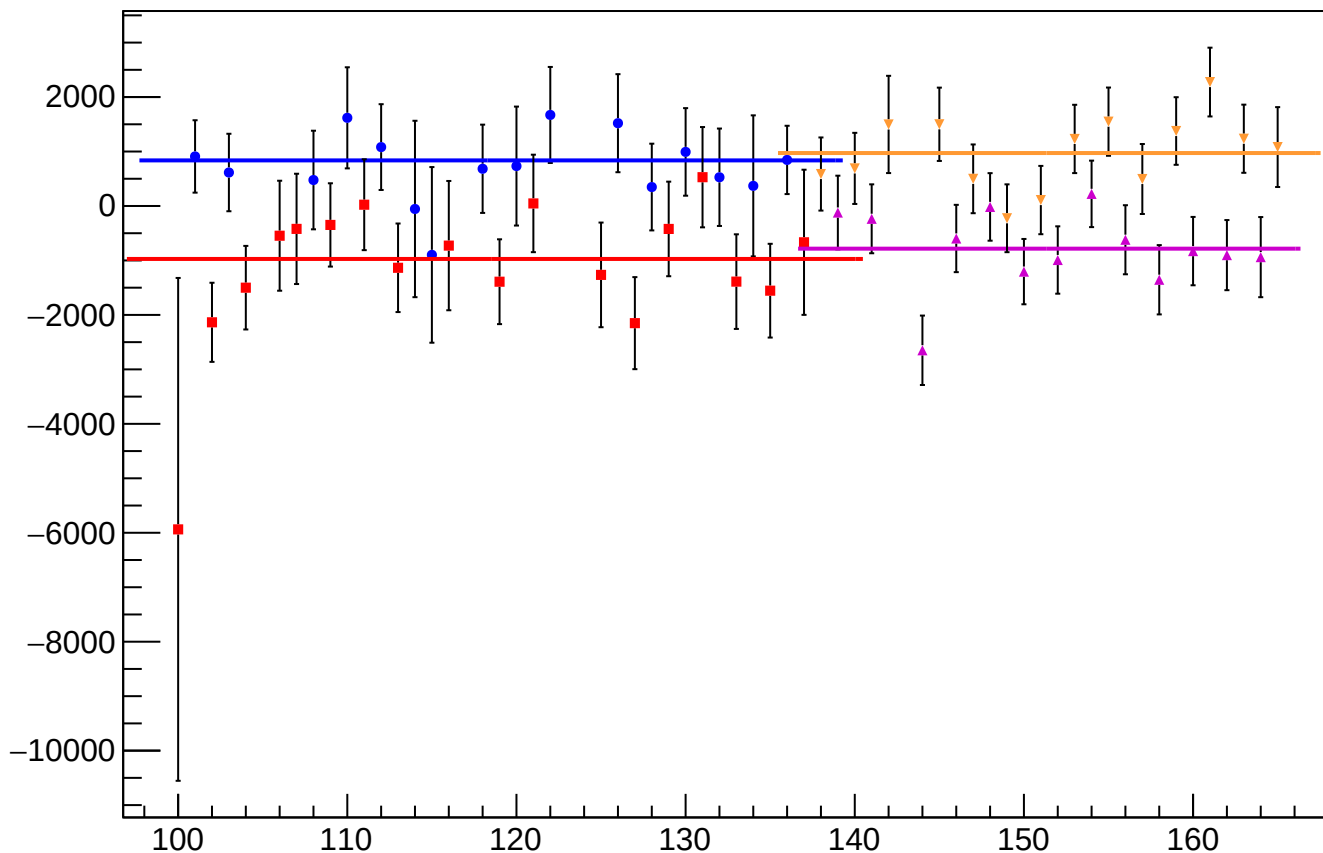
Left In: 138.138 $\pm$ 0.030 χ^2 /NDF: 103.3/12

+ sign 129.212 $\pm$ 0.022 χ^2 /NDF: 876612.6/31

All: 130.637 $\pm$ 0.016 χ^2 /NDF: 1552777.5/63

- sign 132.151 $\pm$ 0.023 χ^2 /NDF: 667423.8/31

reg_asym_left_avg_mean vs Slug



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

Left Out: 972.213 ± 174.893 χ^2/NDF : 14.1/13

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

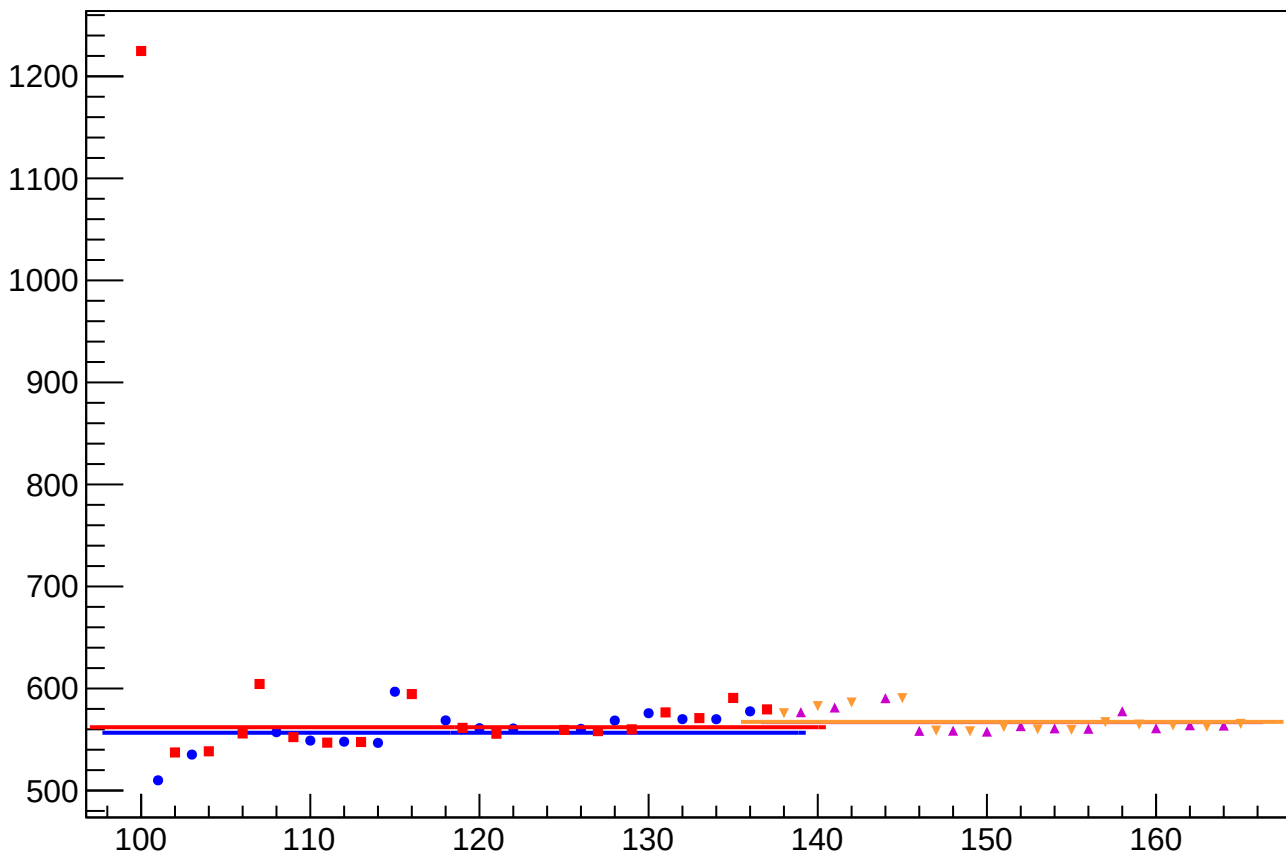
Left In: -783.592 ± 176.228 χ^2/NDF : 16.2/12

+ sign 918.743 ± 135.969 χ^2/NDF : 19.0/29

All: 27.487 ± 96.054 χ^2/NDF : 135.7/60

- sign -860.435 ± 135.714 χ^2/NDF : 30.9/30

reg_asym_left_avg_rms vs Slug



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

Left Out: 567.304 ± 0.124 χ^2/NDF : 6484.4/13

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

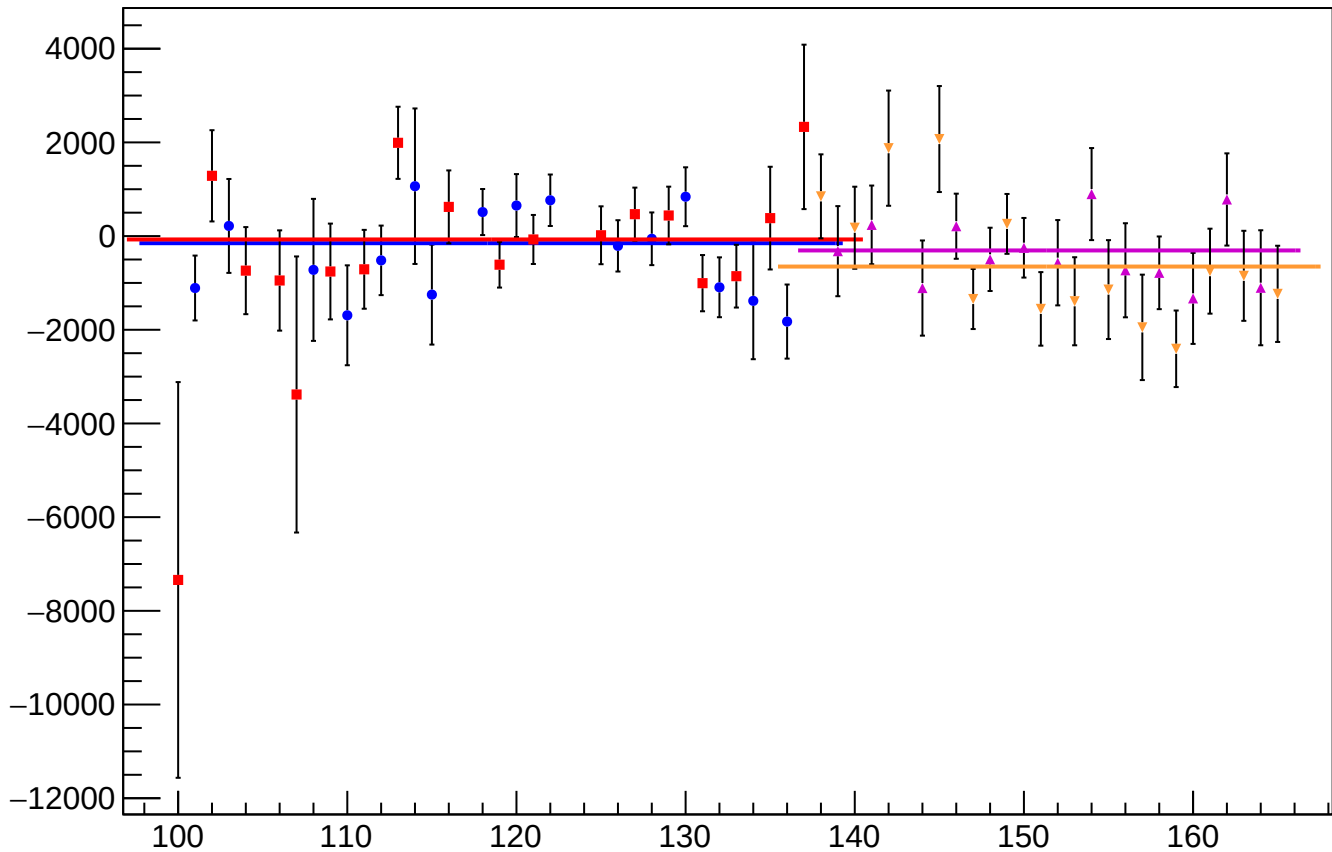
Left In: 567.053 ± 0.125 χ^2/NDF : 6707.7/12

+ sign 563.085 ± 0.096 χ^2/NDF : 27819.3/29

All: 564.052 ± 0.068 χ^2/NDF : 90960.9/60

- sign 565.016 ± 0.096 χ^2/NDF : 62939.4/30

asym_left_avg_correction_mean vs Slug



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

Left Out: -650.491 ± 235.331 χ^2/NDF : 25.4/13

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

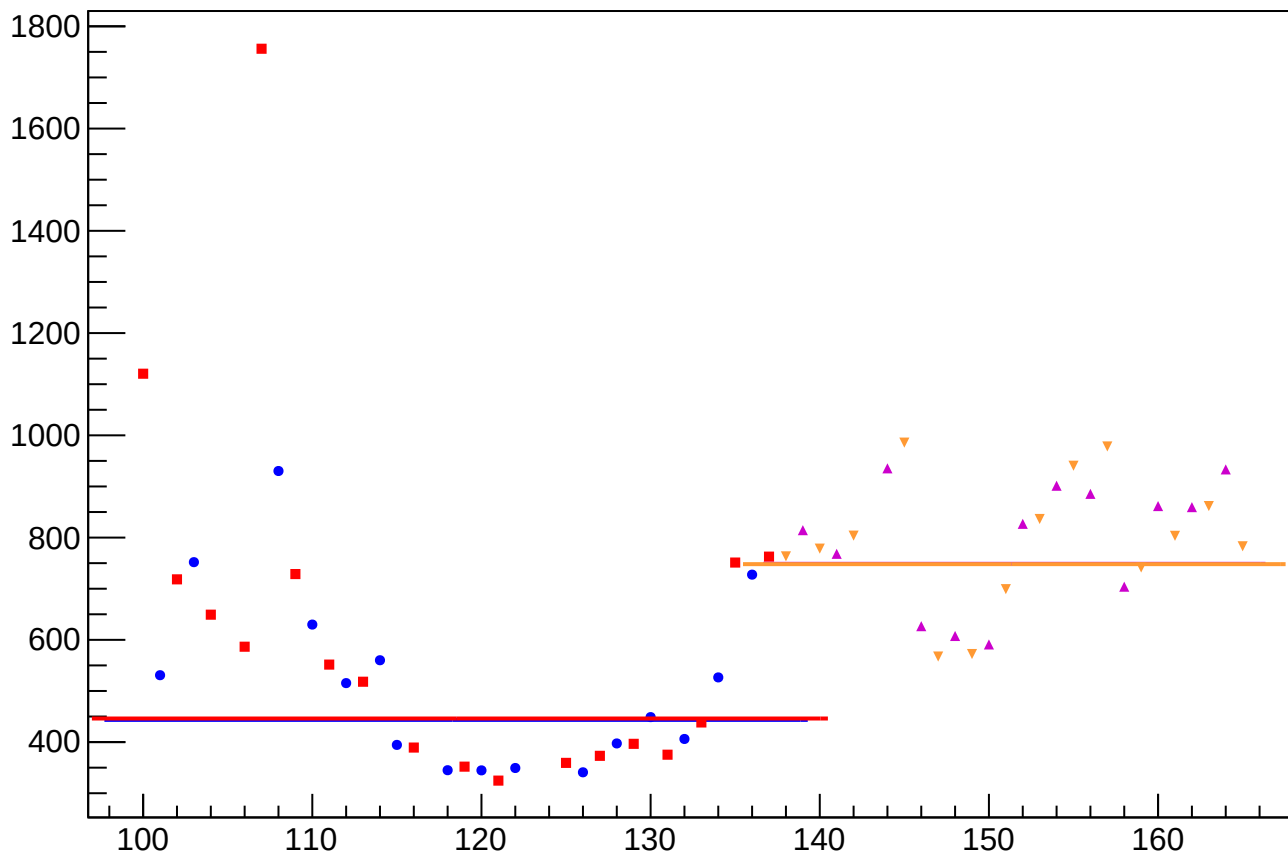
Left In: -306.484 ± 236.702 χ^2/NDF : 6.6/12

+ sign -336.017 ± 143.011 χ^2/NDF : 50.5/29

All: -246.229 ± 100.979 χ^2/NDF : 83.5/60

- sign -156.954 ± 142.602 χ^2/NDF : 32.2/30

asym_left_avg_correction_rms vs Slug



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

Left Out: 748.063 $\pm$ 0.166 χ^2 /NDF: 619023.9/13

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

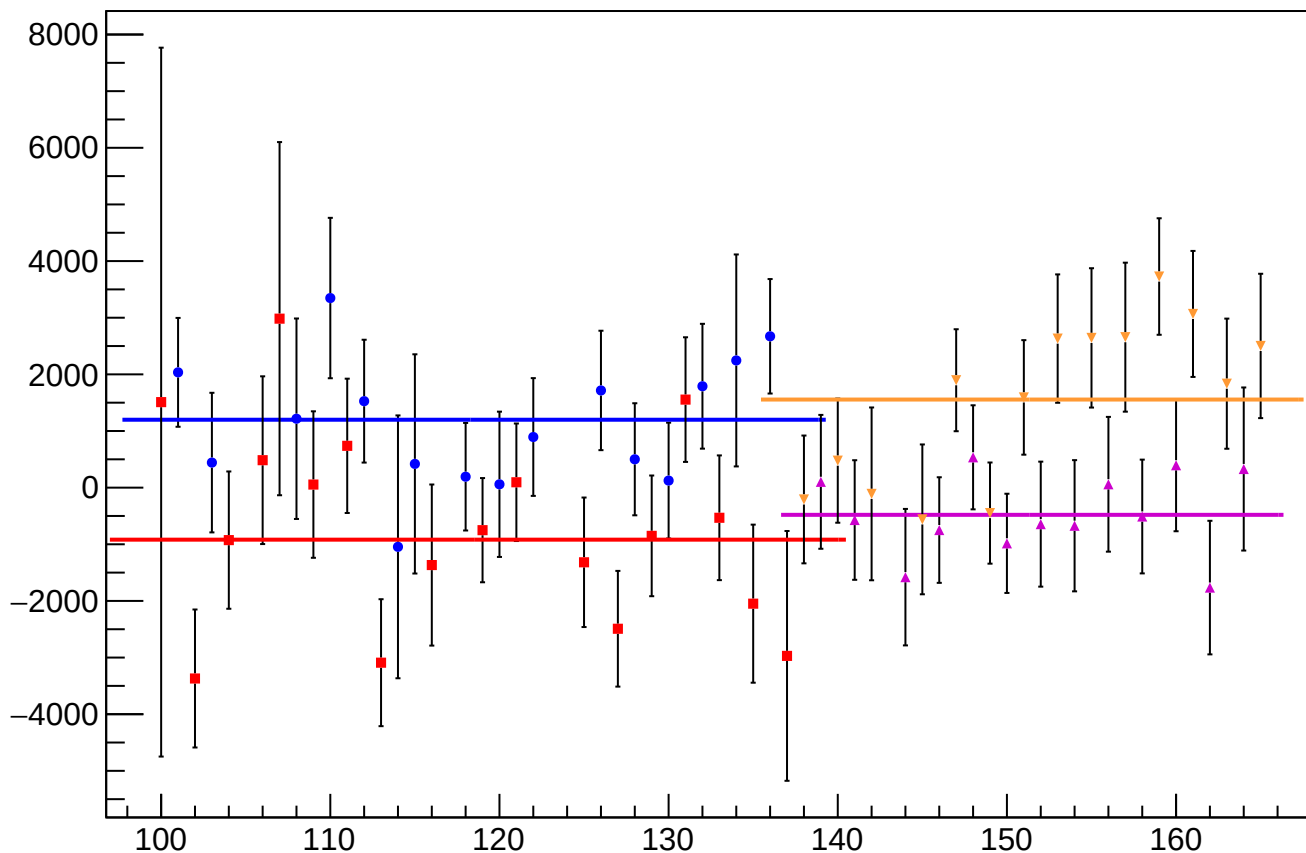
Left In: 748.688 $\pm$ 0.167 χ^2 /NDF: 554248.9/12

+ sign 555.946 $\pm$ 0.101 χ^2 /NDF: 3793396.6/29

All: 555.950 $\pm$ 0.071 χ^2 /NDF: 7889086.7/60

- sign 555.955 $\pm$ 0.101 χ^2 /NDF: 4095690.1/30

asym_left_avg_mean vs Slug



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

Left Out: 1555.337 $\pm$ 298.405 χ^2 /NDF:21.6/13

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

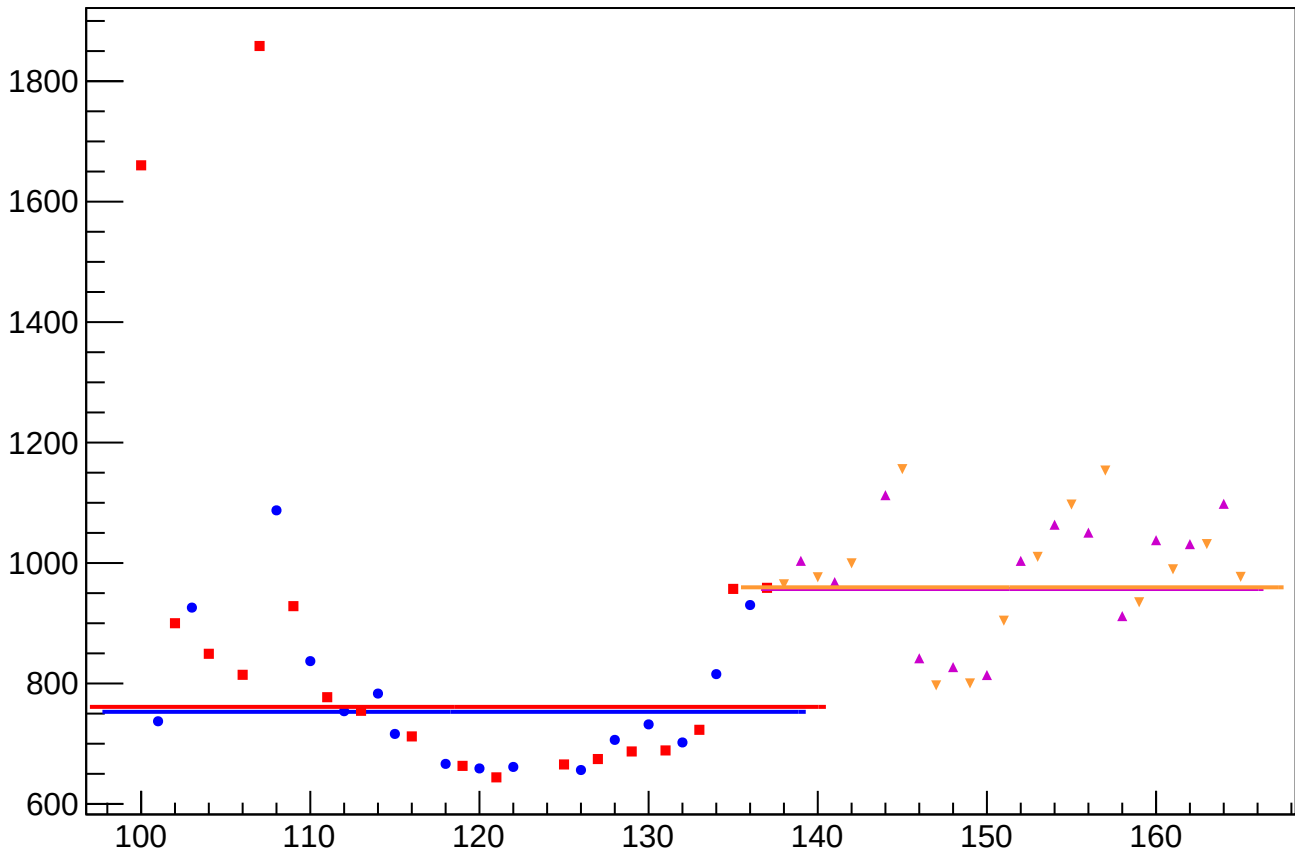
Left In: -480.110 $\pm$ 299.543 χ^2 /NDF:5.0/12

+ sign 1375.256 $\pm$ 209.877 χ^2 /NDF: 33.6/29

All: 334.137 $\pm$ 148.295 χ^2 /NDF: 112.1/60

- sign -703.880 $\pm$ 209.565 χ^2 /NDF: 29.4/30

asym_left_avg_rms vs Slug



Right In: 752.937 $\pm$ 0.209 χ^2 /NDF: 252526.4/15

Left Out: 959.657 $\pm$ 0.211 χ^2 /NDF: 264333.3/13

Right Out: 761.160 $\pm$ 0.207 χ^2 /NDF: 517136.7/17

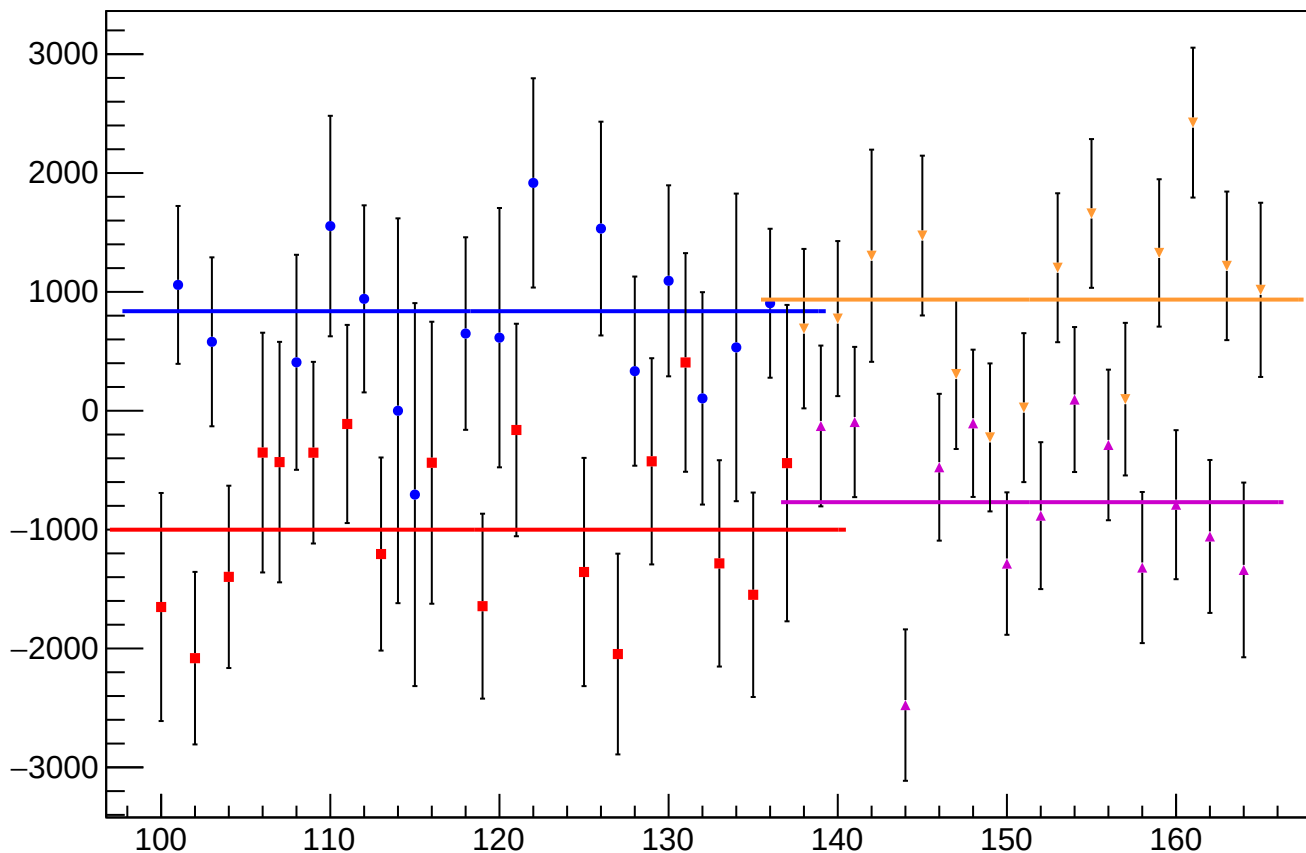
Left In: 956.871 $\pm$ 0.212 χ^2 /NDF: 234273.3/12

+ sign 855.196 $\pm$ 0.148 χ^2 /NDF: 1001870.2/29

All: 856.076 $\pm$ 0.105 χ^2 /NDF: 2189236.1/60

- sign 856.953 $\pm$ 0.148 χ^2 /NDF: 1187295.7/30

reg_asym_left_dd_mean vs Slug



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

Left Out: 935.231 ± 174.737 χ^2/NDF : 17.0/13

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

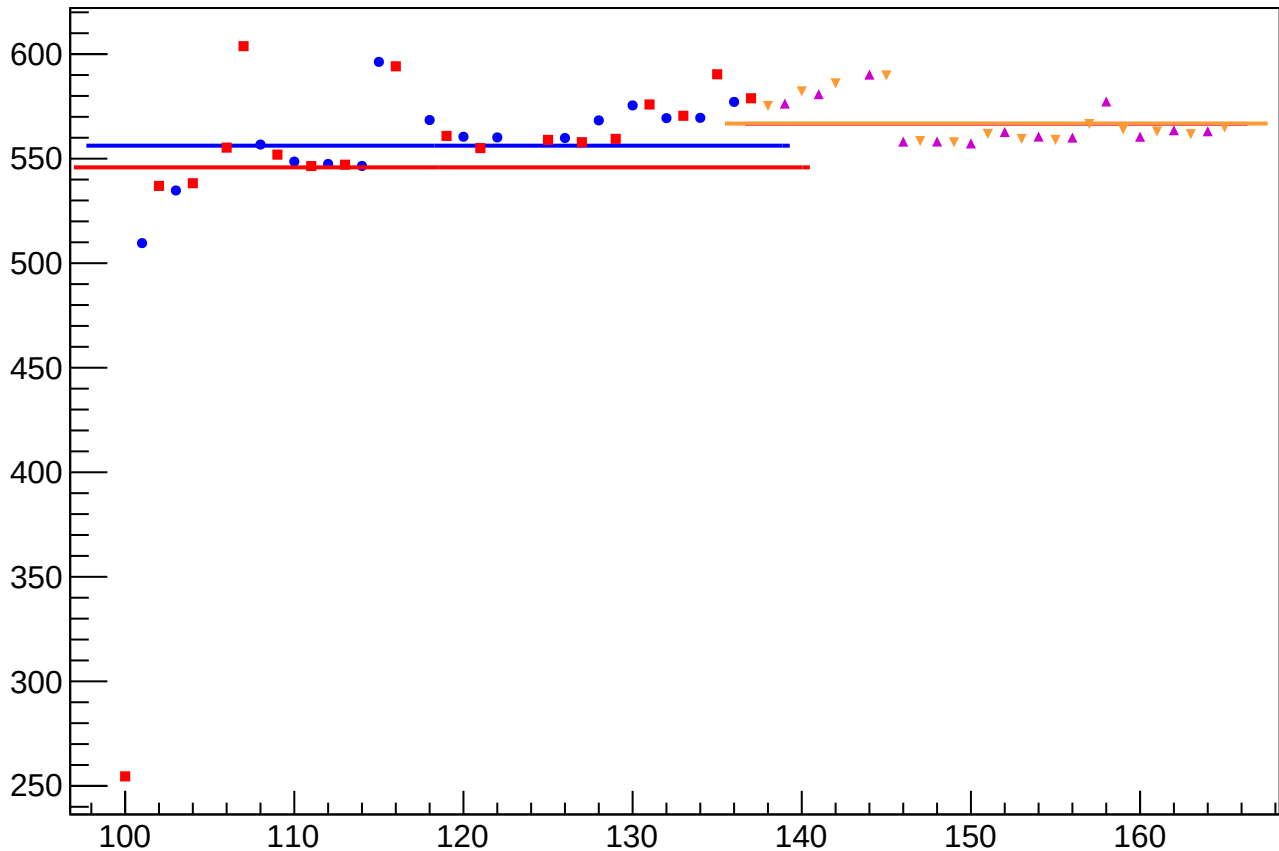
Left In: -769.104 ± 176.089 χ^2/NDF : 15.5/12

+ sign 896.598 ± 135.854 χ^2/NDF : 22.8/29

All: 5.394 ± 95.519 χ^2/NDF : 136.7/60

- sign -865.895 ± 134.328 χ^2/NDF : 28.8/30

reg_asym_left_dd_rms vs Slug



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

Left Out: 566.798 $\pm$ 0.124 χ^2 /NDF: 6441.3/13

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

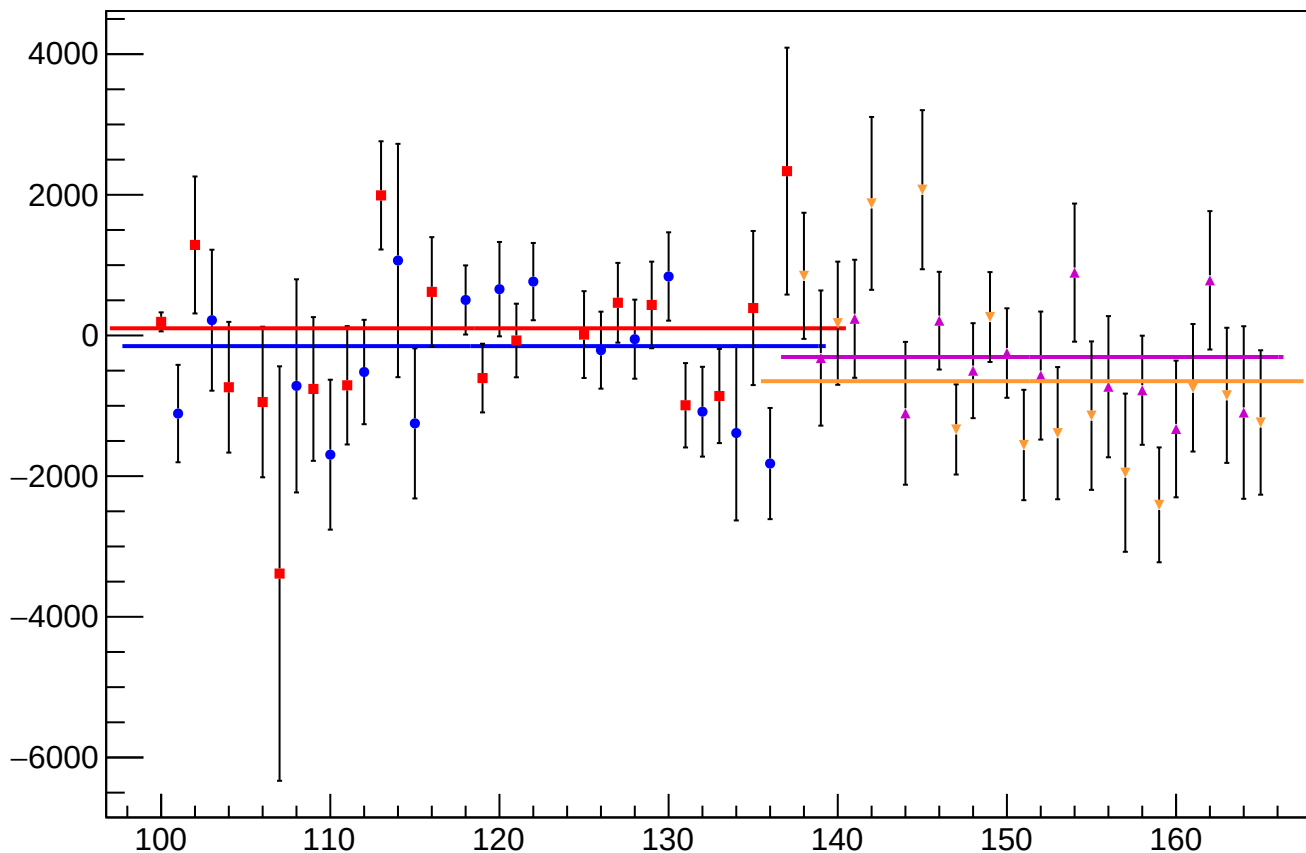
Left In: 566.608 $\pm$ 0.125 χ^2 /NDF: 6740.6/12

+ sign 562.610 $\pm$ 0.096 χ^2 /NDF: 27762.8/29

All: 560.242 $\pm$ 0.068 χ^2 /NDF: 254970.7/60

- sign 557.927 $\pm$ 0.095 χ^2 /NDF: 226006.2/30

asym_left_dd_correction_mean vs Slug



Right In: -151.459 ± 179.991 $\chi^2/\text{NDF}: 22.3/15$

Left Out: -649.906 ± 235.225 $\chi^2/\text{NDF}: 25.4/13$

Right Out: 102.079 ± 107.707 $\chi^2/\text{NDF}: 23.2/17$

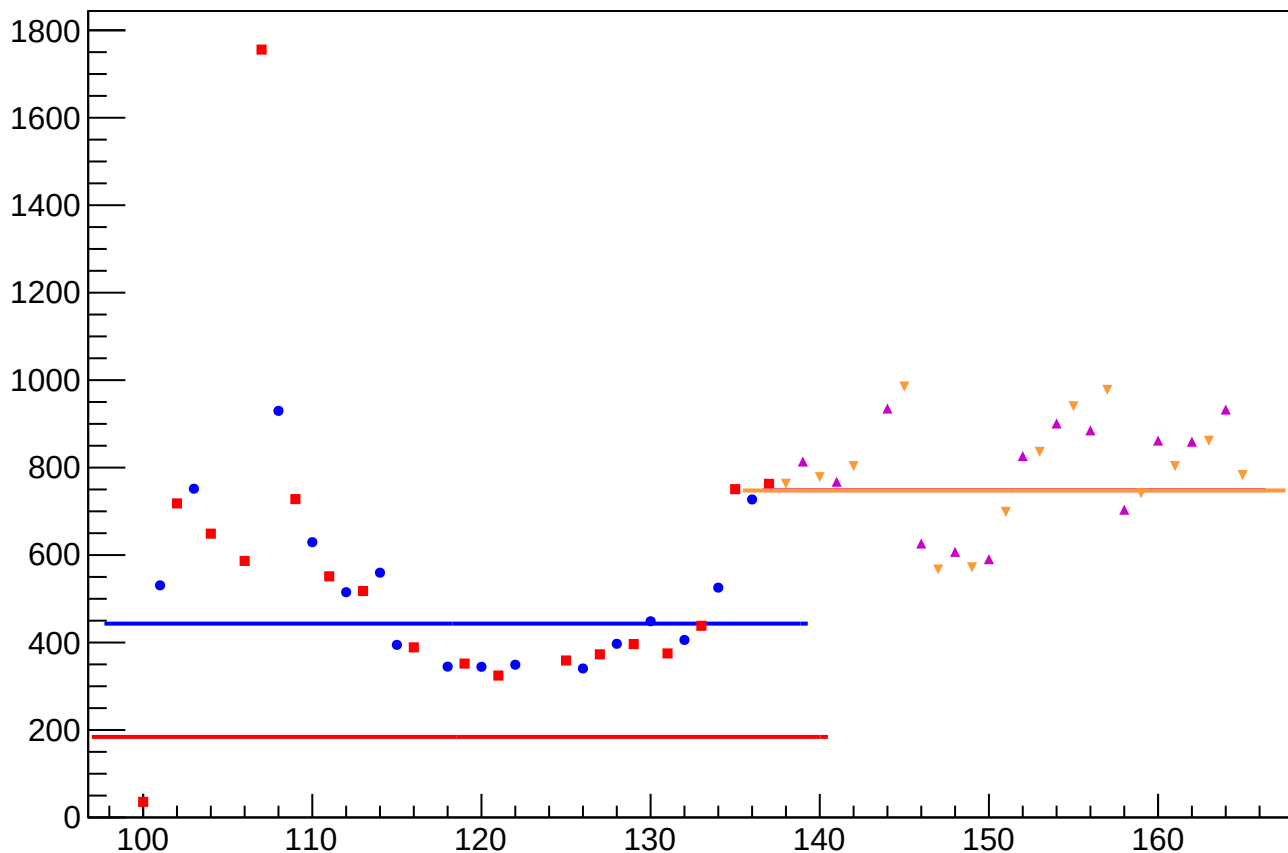
Left In: -306.045 ± 236.588 $\chi^2/\text{NDF}: 6.6/12$

+ sign -335.529 ± 142.944 $\chi^2/\text{NDF}: 50.5/29$

All: -85.547 ± 80.843 $\chi^2/\text{NDF}: 87.3/60$

- sign 32.015 ± 98.027 $\chi^2/\text{NDF}: 32.3/30$

asym_left_dd_correction_rms vs Slug



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

Left Out: 747.730+/-0.166 χ^2/NDF : 619471.7/13

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

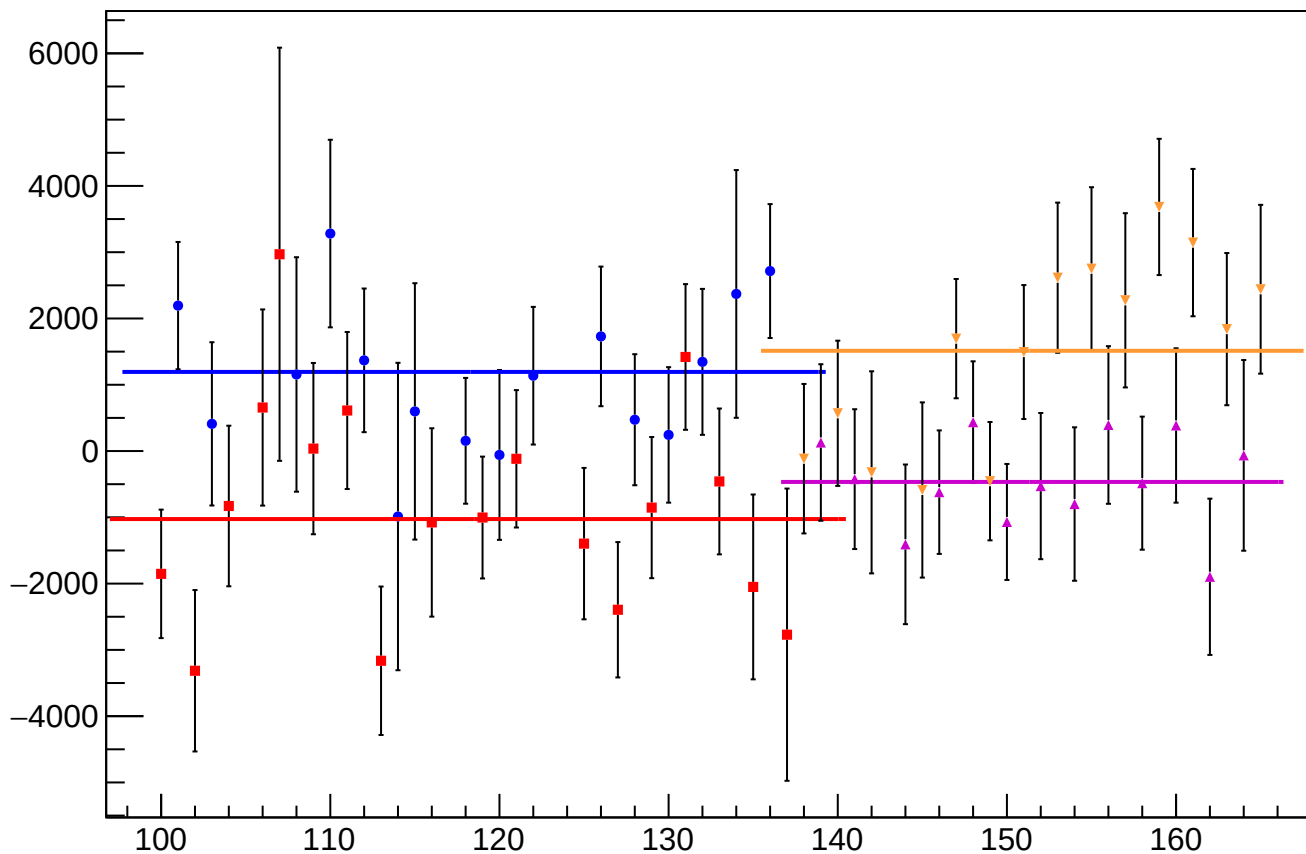
Left In: 748.324+/-0.167 χ^2/NDF : 554459.5/12

+ sign 555.684+/-0.101 χ^2/NDF : 3793938.0/29

All: 368.900+/-0.057 χ^2/NDF : 26867354.6/60

- sign 281.058+/-0.069 χ^2/NDF : 18052513.8/30

asym_left_dd_mean vs Slug



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

Left Out: 1512.393 $\pm$ 298.228 χ^2 /NDF:21.2/13

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

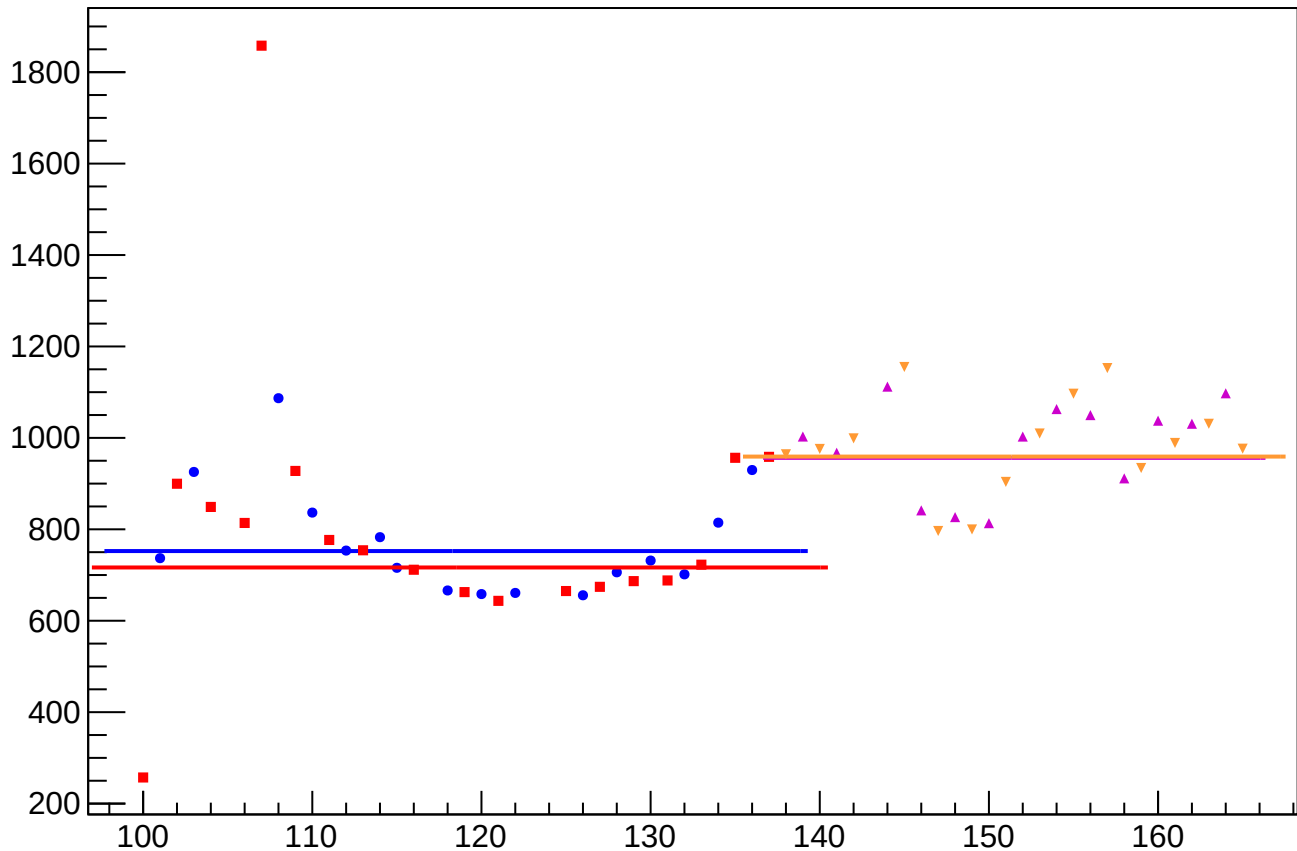
Left In: -466.069 $\pm$ 299.366 χ^2 /NDF:5.0/12

+ sign 1351.412 $\pm$ 209.745 χ^2 /NDF: 33.0/29

All: 268.553 $\pm$ 146.537 χ^2 /NDF: 114.5/60

- sign -763.982 $\pm$ 204.813 χ^2 /NDF: 29.4/30

asym_left_dd_rms vs Slug



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

Left Out: 959.092+/-0.211 χ^2/NDF : 264269.6/13

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

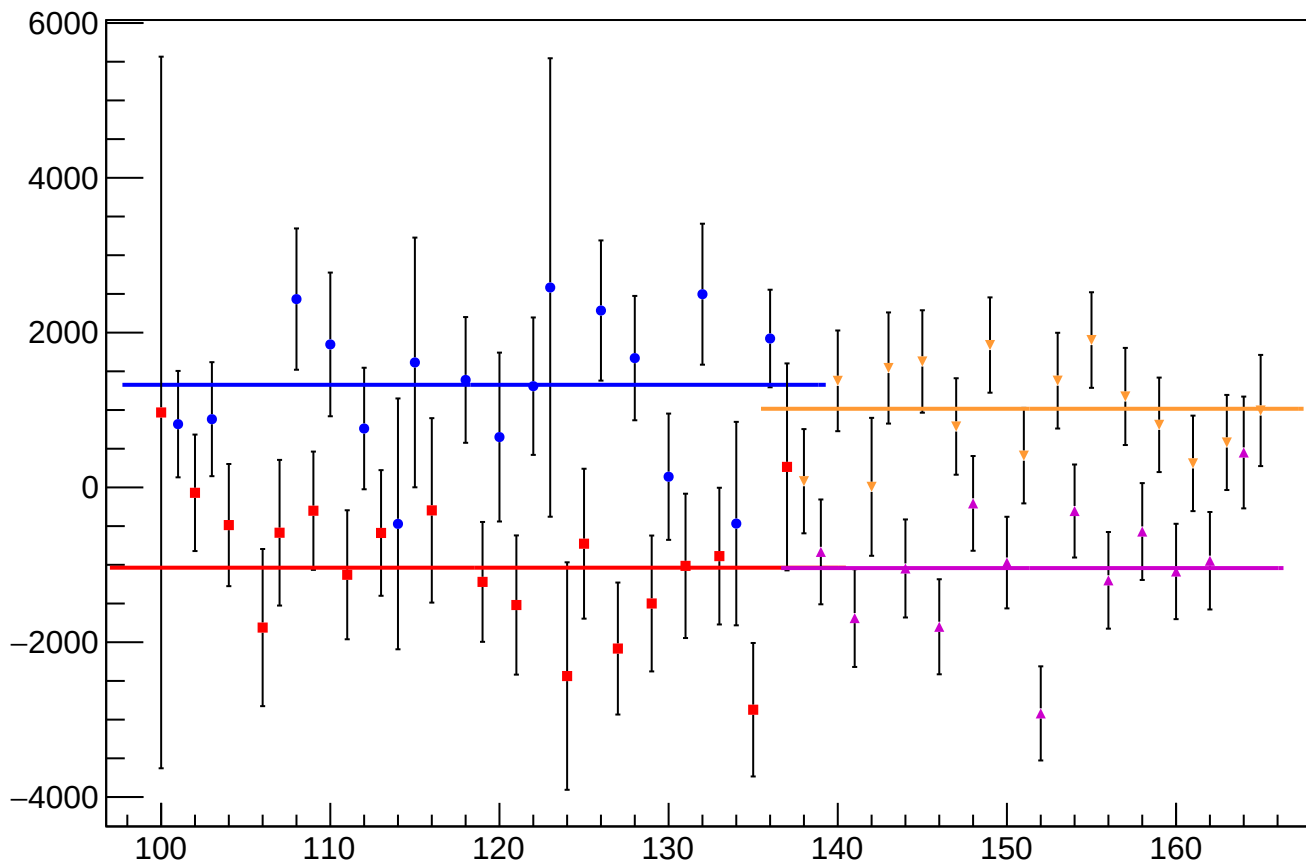
Left In: 956.302+/-0.212 χ^2/NDF : 234387.7/12

+ sign 854.652+/-0.148 χ^2/NDF : 1002336.7/29

All: 841.396+/-0.104 χ^2/NDF : 2901770.1/60

- sign 828.756+/-0.145 χ^2/NDF : 1883827.7/30

reg_asym_right_avg_mean vs Slug



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

Left Out: 1016.150 $\pm$ 167.671 χ^2 /NDF:12.2/14

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

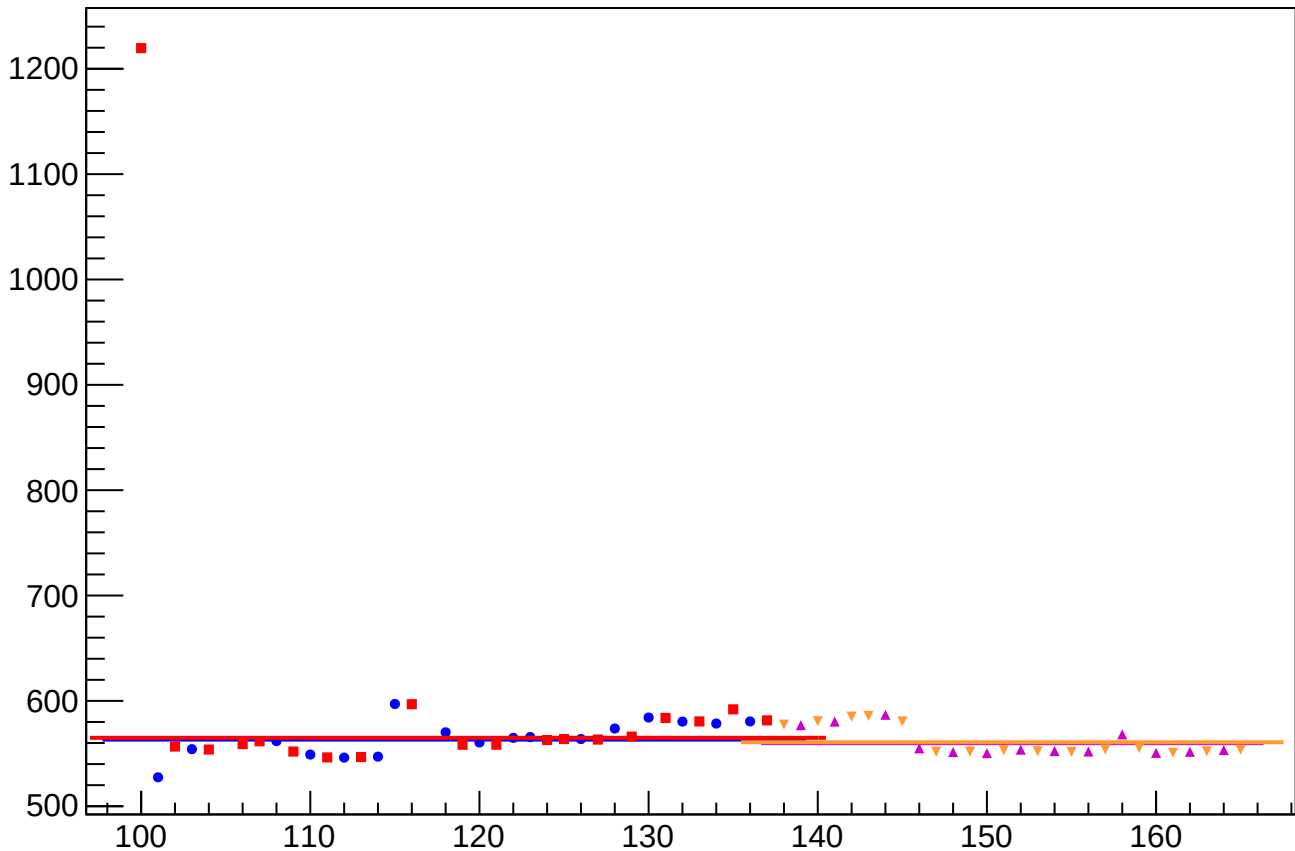
Left In: -1042.138 $\pm$ 174.010 χ^2 /NDF:20.5/12

+ sign 1131.164 $\pm$ 132.930 χ^2 /NDF: 26.4/31

All: 57.451 $\pm$ 94.510 χ^2 /NDF: 192.2/63

- sign -1040.077 $\pm$ 134.397 χ^2 /NDF: 33.9/31

reg_asym_right_avg_rms vs Slug



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

Left Out: 560.745 $\pm$ 0.119 χ^2 /NDF:12306.0/14

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

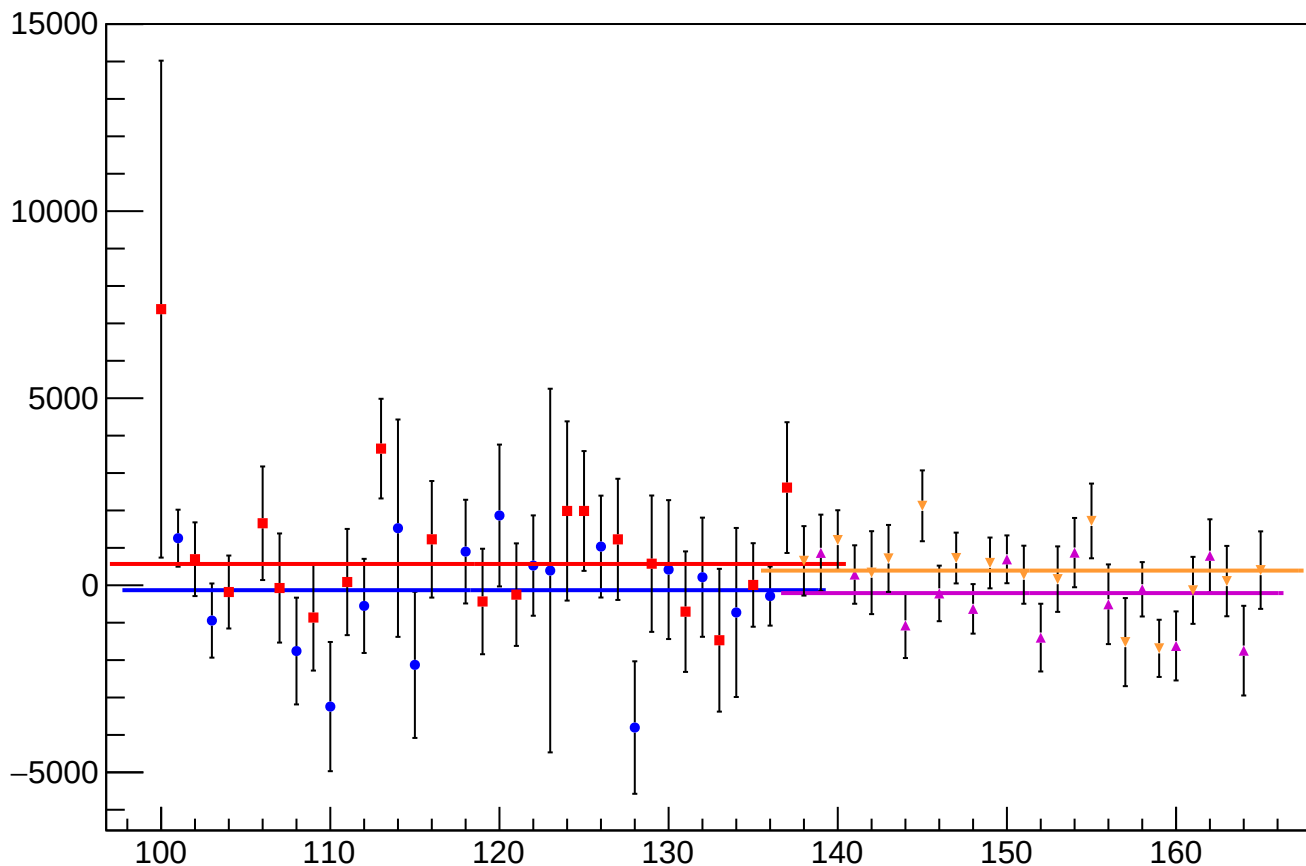
Left In: 559.869 $\pm$ 0.123 χ^2 /NDF:10165.2/12

+ sign 561.681 $\pm$ 0.094 χ^2 /NDF: 24994.2/31

All: 561.798 $\pm$ 0.067 χ^2 /NDF: 85144.8/63

- sign 561.917 $\pm$ 0.095 χ^2 /NDF: 60147.5/31

asym_right_avg_correction_mean vs Slug



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

Left Out: 392.666 ± 223.797 χ^2/NDF : 17.3/14

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

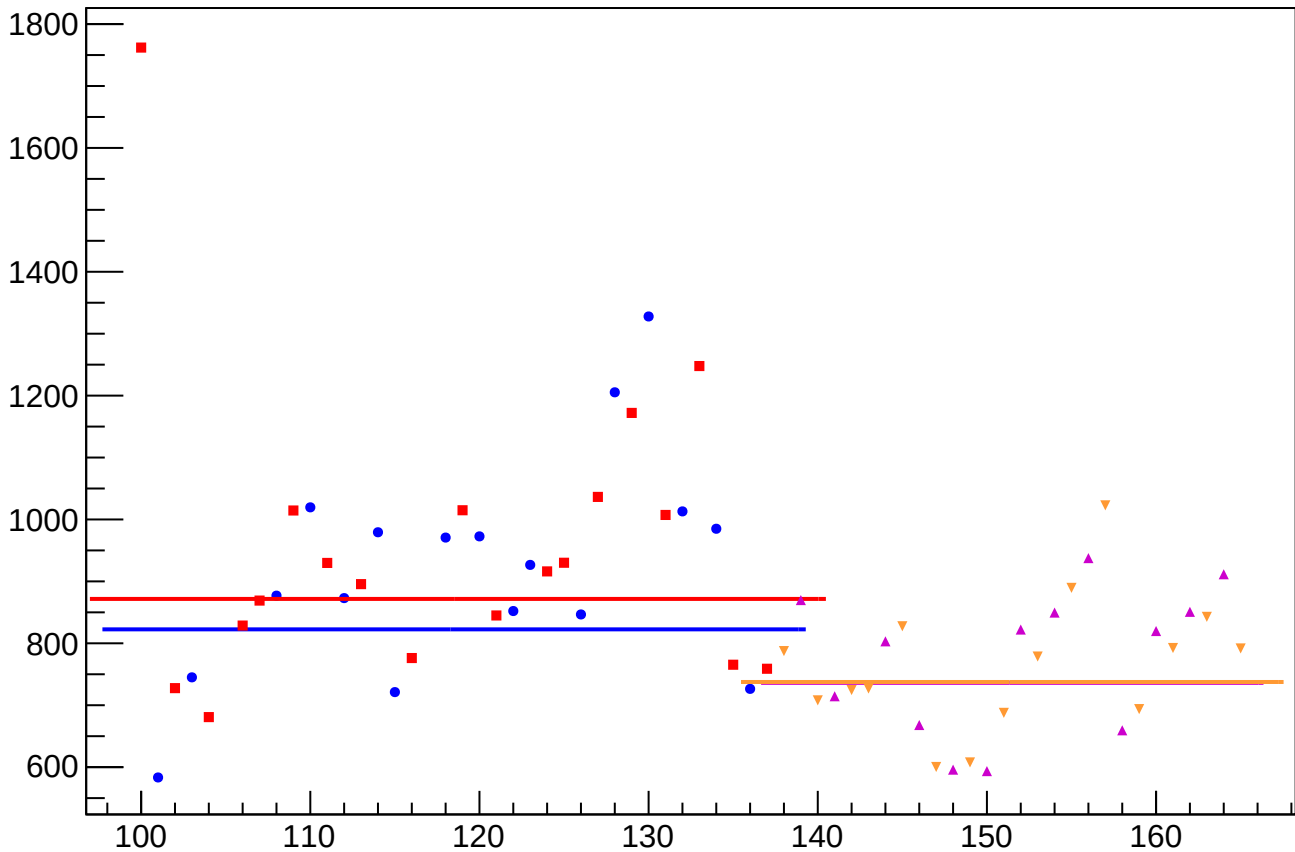
Left In: -208.919 ± 232.261 χ^2/NDF : 13.1/12

+ sign 226.002 ± 184.791 χ^2/NDF : 36.2/31

All: 138.958 ± 132.602 χ^2/NDF : 68.1/63

- sign 46.561 ± 190.389 χ^2/NDF : 31.4/31

asym_right_avg_correction_rms vs Slug



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

Left Out: 737.536 ± 0.158 χ^2/NDF : 403103.8/14

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

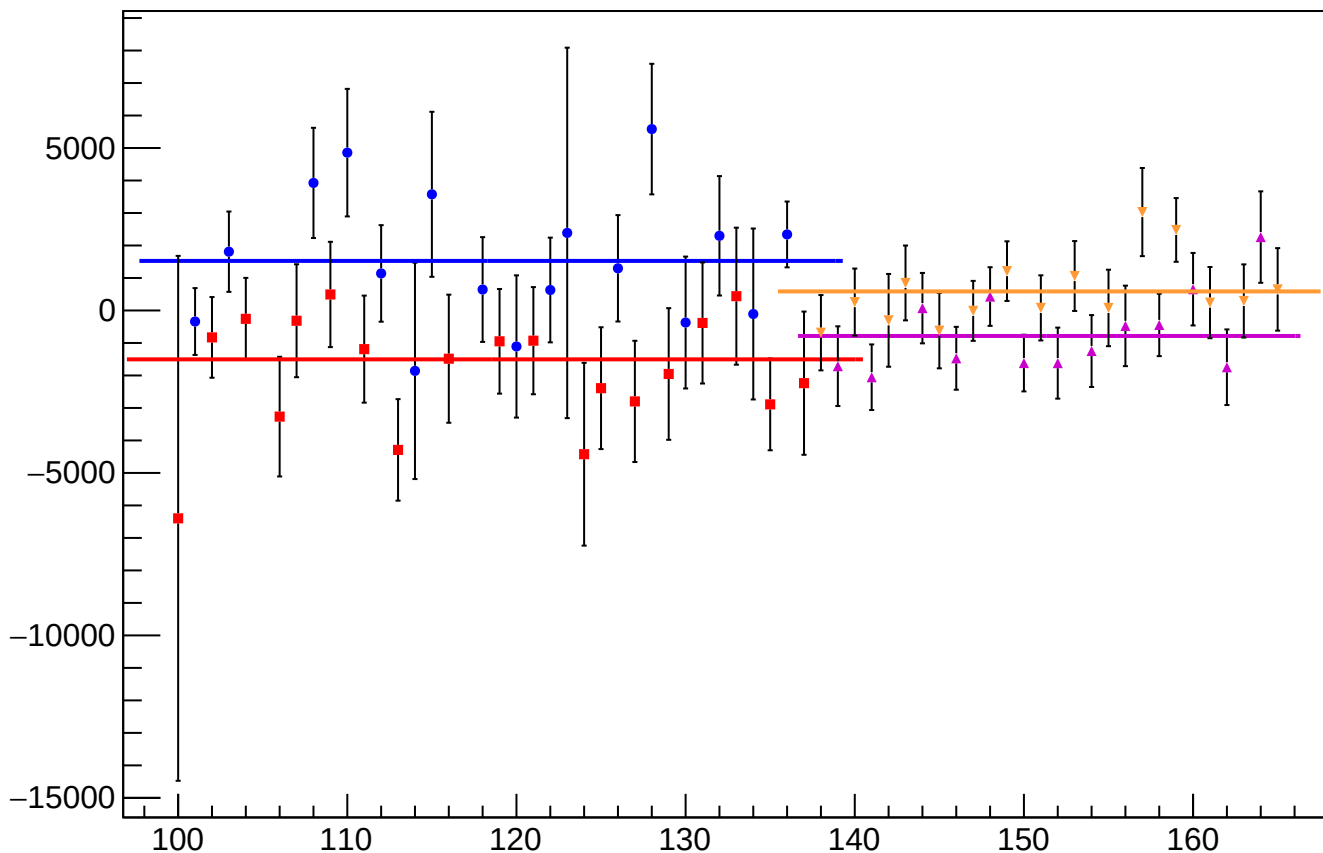
Left In: 736.117 ± 0.164 χ^2/NDF : 482352.0/12

+ sign 764.580 ± 0.131 χ^2/NDF : 1095845.2/31

All: 772.346 ± 0.094 χ^2/NDF : 2215850.0/63

- sign 780.589 ± 0.135 χ^2/NDF : 1112723.6/31

asym_right_avg_mean vs Slug



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

Left Out: 586.385 $\pm$ 283.512 χ^2 /NDF:11.5/14

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

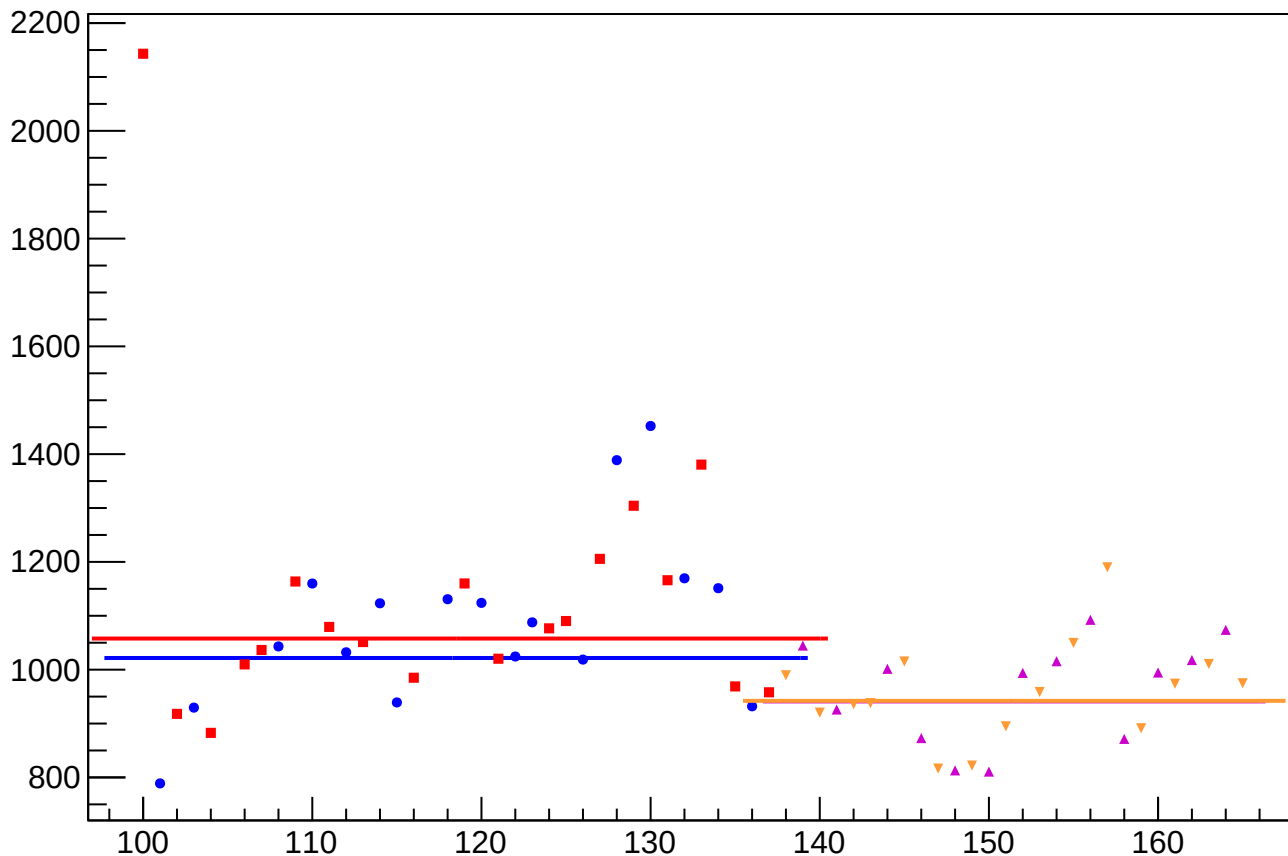
Left In: -784.512 $\pm$ 294.299 χ^2 /NDF:14.0/12

+ sign 898.544 $\pm$ 231.648 χ^2 /NDF: 33.4/31

All: -47.143 $\pm$ 165.674 χ^2 /NDF: 95.7/63

- sign -1037.383 $\pm$ 237.041 χ^2 /NDF: 28.2/31

asym_right_avg_rms vs Slug



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

Left Out: 942.129+/-0.200 χ^2/NDF : 187758.1/14

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

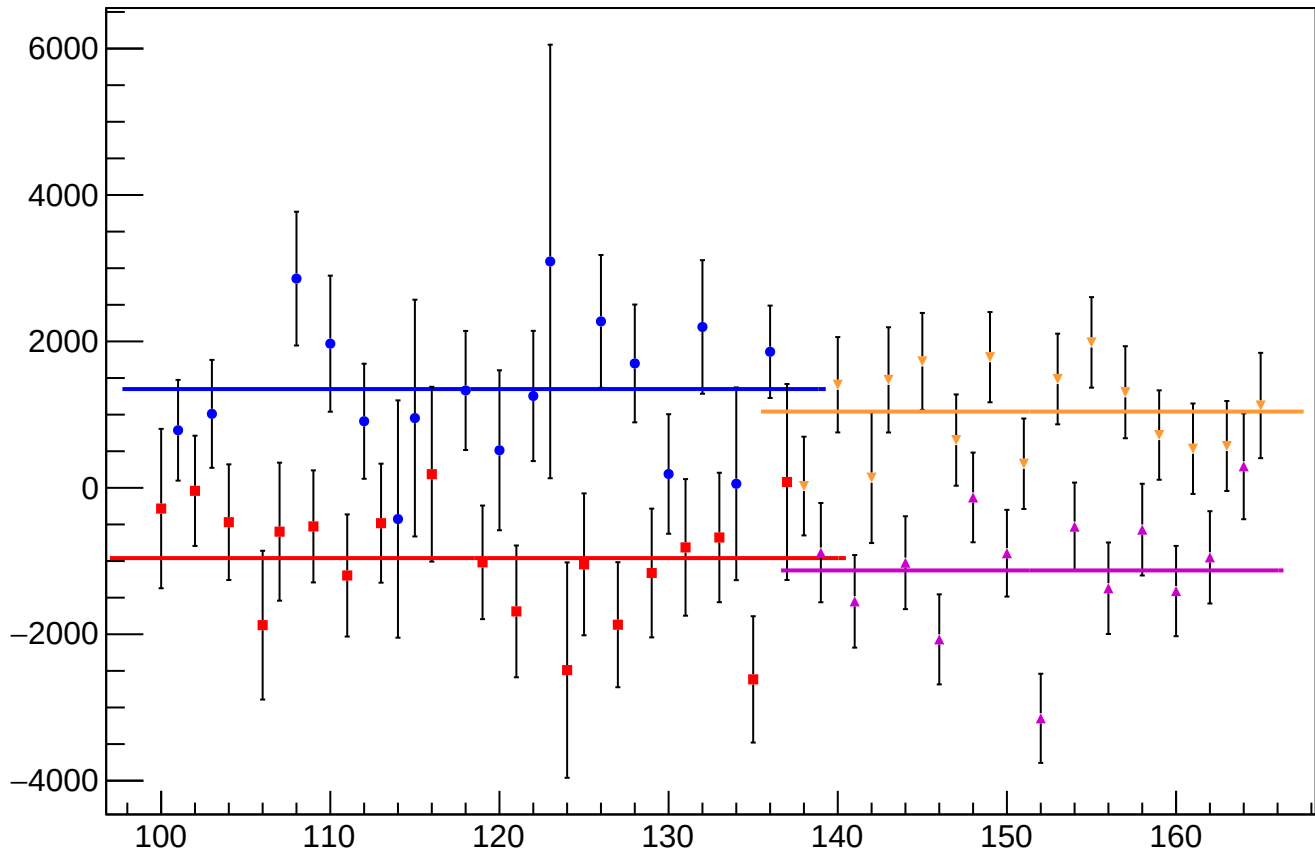
Left In: 941.059+/-0.208 χ^2/NDF : 201024.8/12

+ sign 968.567+/-0.164 χ^2/NDF : 572028.9/31

All: 975.152+/-0.117 χ^2/NDF : 1117749.8/63

- sign 982.047+/-0.168 χ^2/NDF : 542412.8/31

reg_asym_right_dd_mean vs Slug



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

Left Out: 1041.843 $\pm$ 167.844 χ^2 /NDF:12.8/14

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

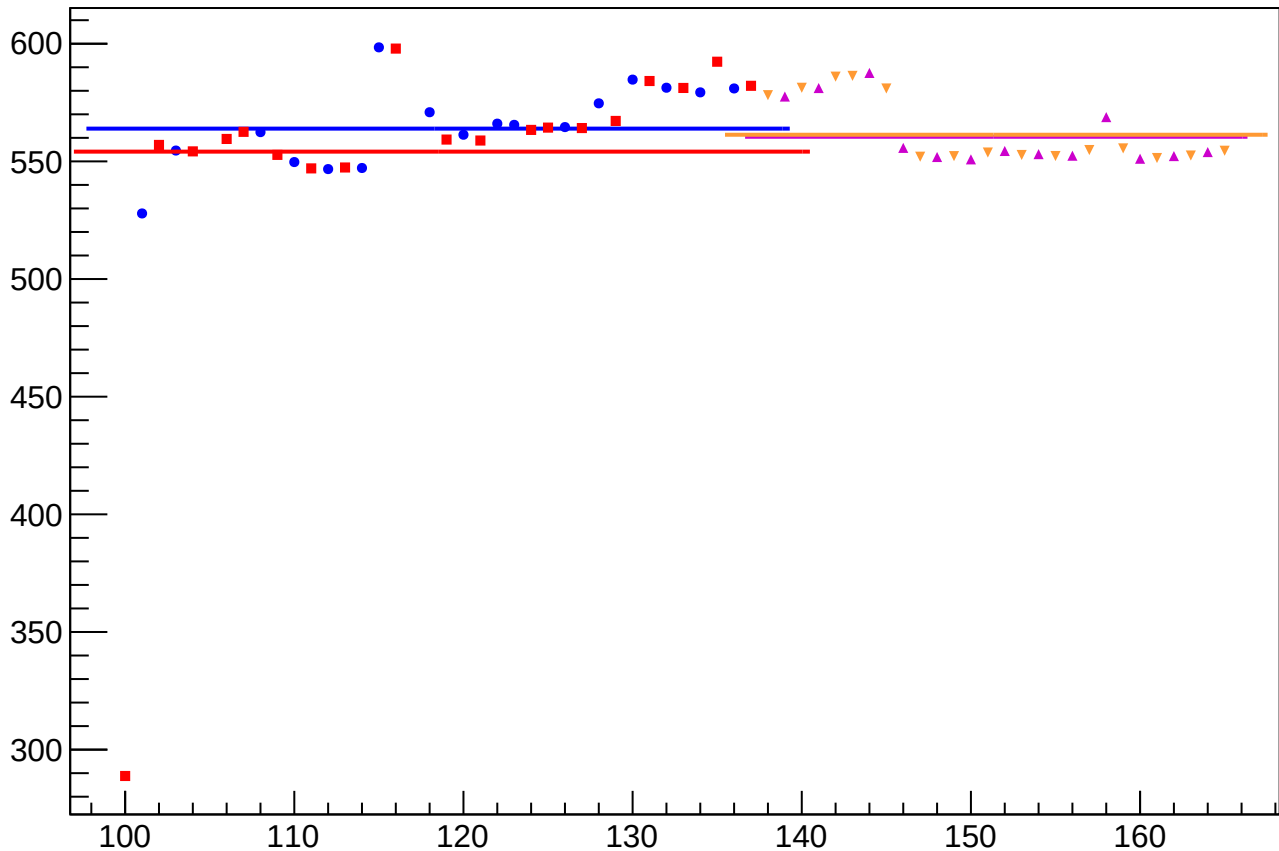
Left In: -1127.988 $\pm$ 174.195 χ^2 /NDF:22.9/12

+ sign 1155.978 $\pm$ 133.075 χ^2 /NDF: 26.3/31

All: 52.941 $\pm$ 94.278 χ^2 /NDF: 199.8/63

- sign -1058.586 $\pm$ 133.586 χ^2 /NDF: 35.5/31

reg_asym_right_dd_rms vs Slug



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

Left Out: 561.322 $\pm$ 0.119 χ^2 /NDF:12335.3/14

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

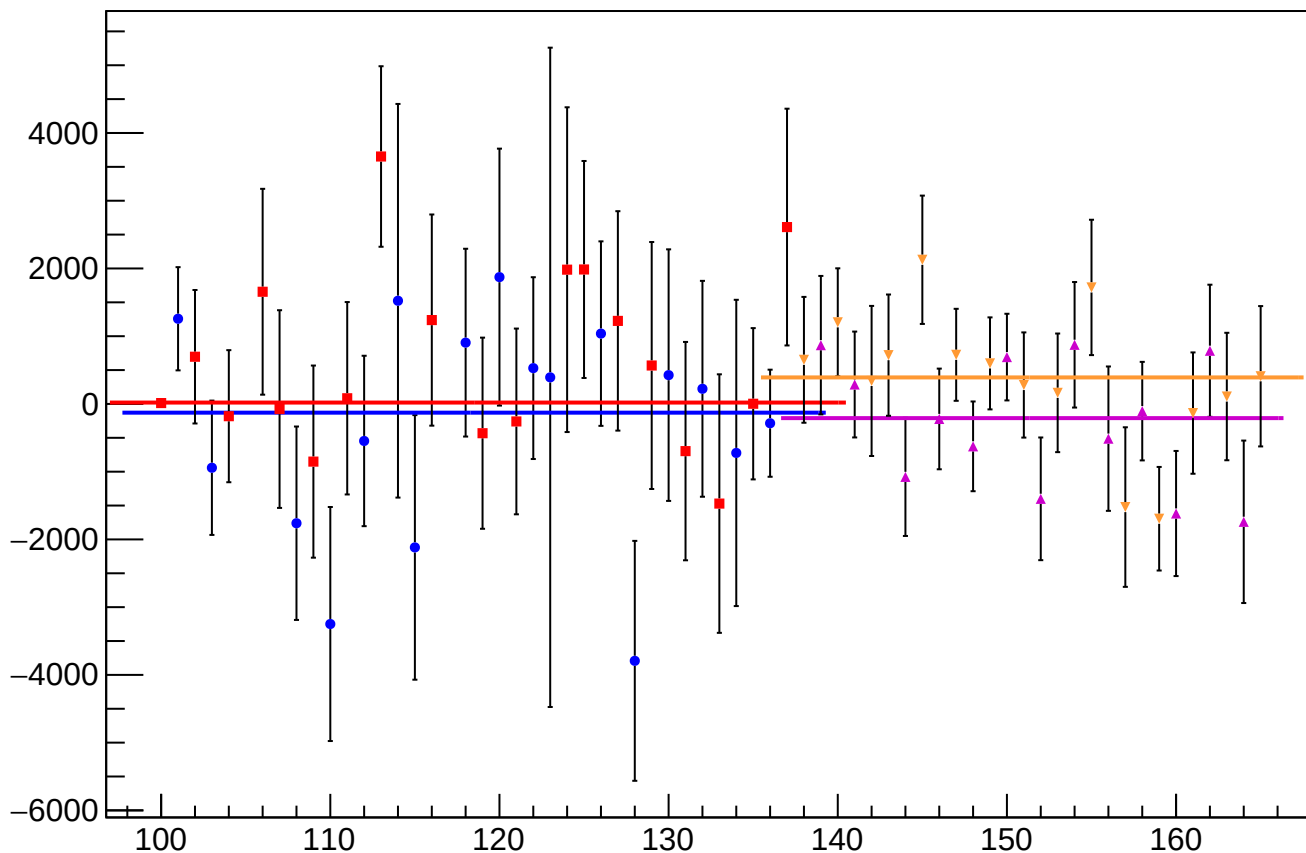
Left In: 560.464 $\pm$ 0.123 χ^2 /NDF:10259.8/12

+ sign 562.288 $\pm$ 0.094 χ^2 /NDF: 25176.7/31

All: 560.083 $\pm$ 0.067 χ^2 /NDF: 169588.1/63

- sign 557.861 $\pm$ 0.094 χ^2 /NDF: 143309.2/31

asym_right_dd_correction_mean vs Slug



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

Left Out: 391.504 ± 223.875 χ^2/NDF : 17.3/14

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

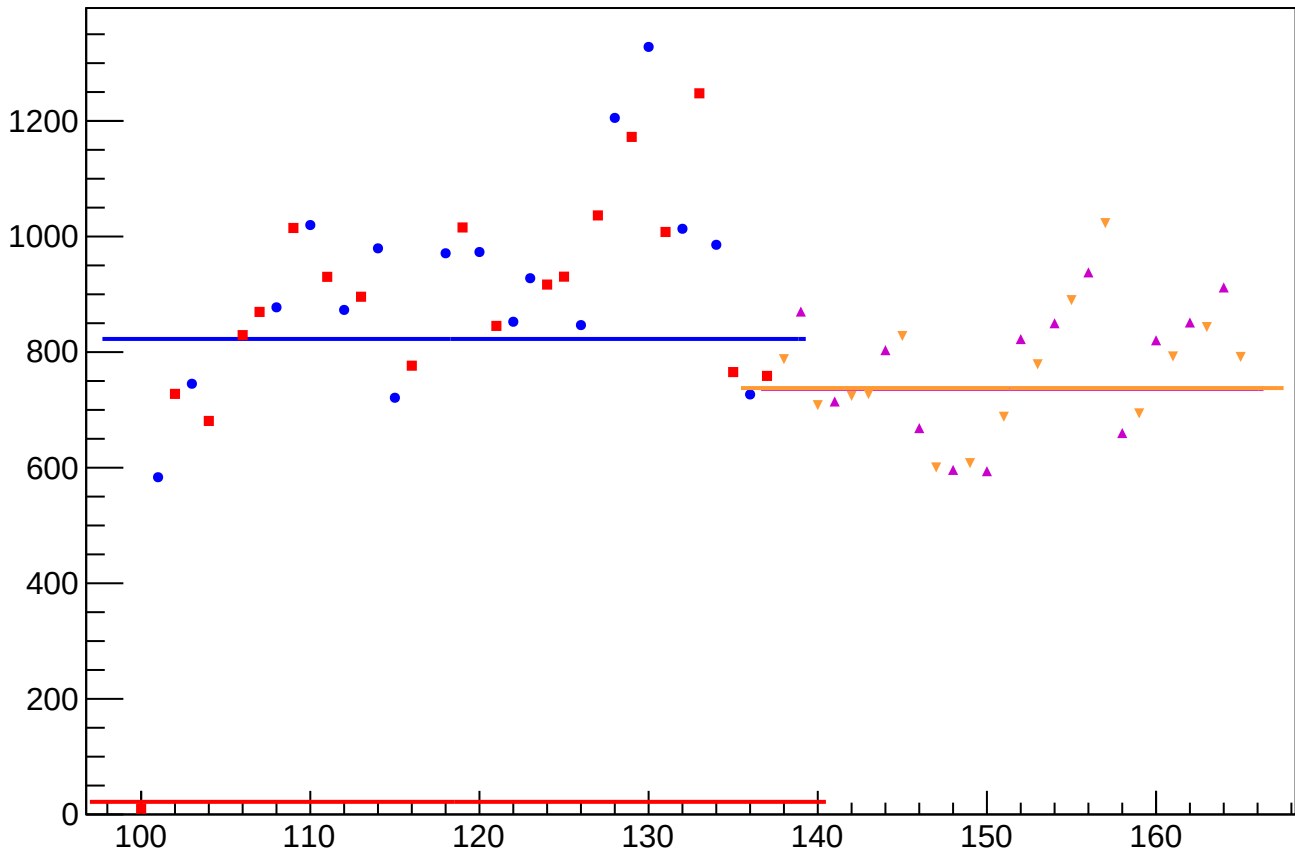
Left In: -209.304 ± 232.372 χ^2/NDF : 13.1/12

+ sign 225.955 ± 184.853 χ^2/NDF : 36.3/31

All: 22.877 ± 37.614 χ^2/NDF : 67.6/63

- sign 14.106 ± 38.418 χ^2/NDF : 30.1/31

asym_right_dd_correction_rms vs Slug



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

Left Out: 737.783 $\pm$ 0.158 χ^2 /NDF: 403183.4/14

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

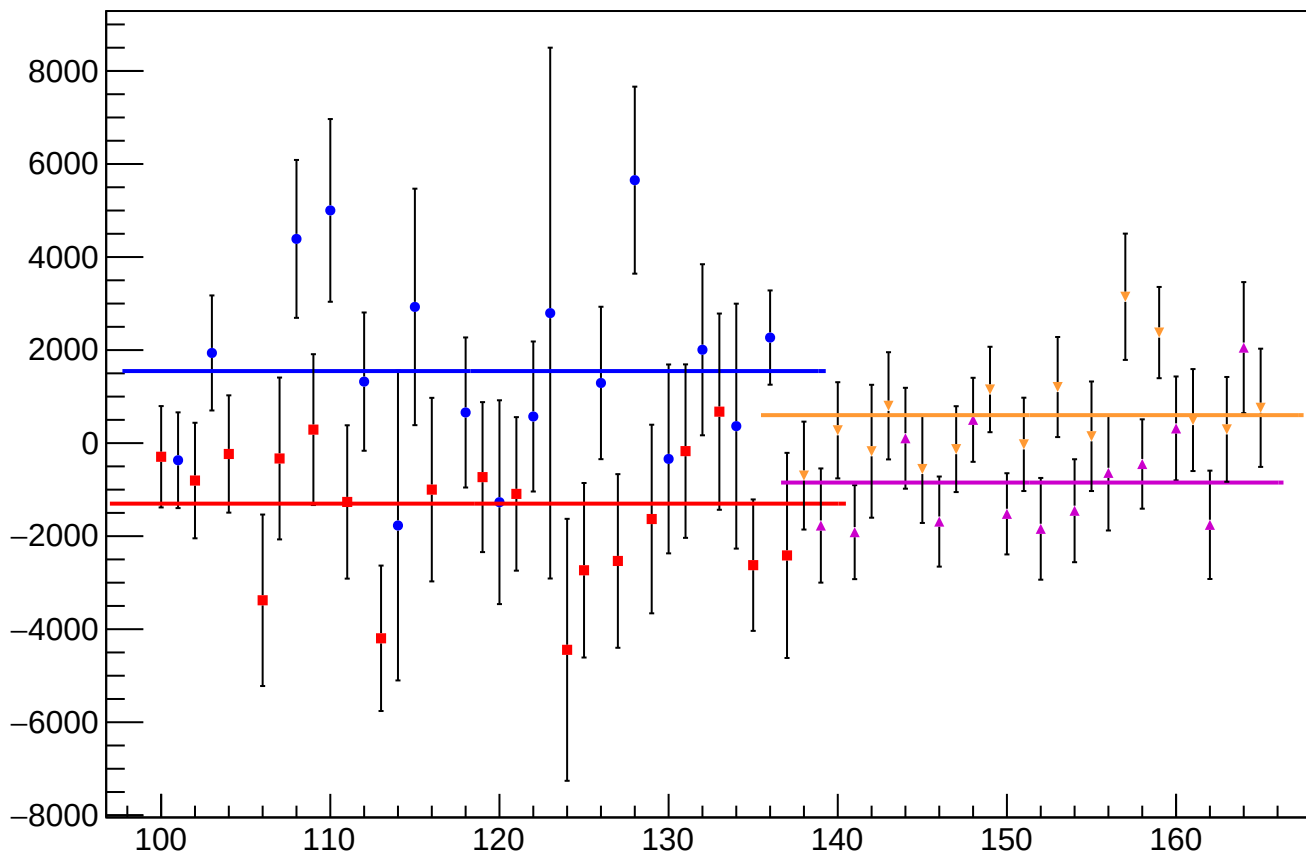
Left In: 736.477 $\pm$ 0.164 χ^2 /NDF: 482058.3/12

+ sign 764.831 $\pm$ 0.131 χ^2 /NDF: 1095795.7/31

All: 71.303 $\pm$ 0.027 χ^2 /NDF: 62869682.2/63

- sign 41.347 $\pm$ 0.027 χ^2 /NDF: 32406158.0/31

asym_right_dd_mean vs Slug



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

Left Out: 601.482 $\pm$ 283.675 χ^2 /NDF: 11.4/14

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

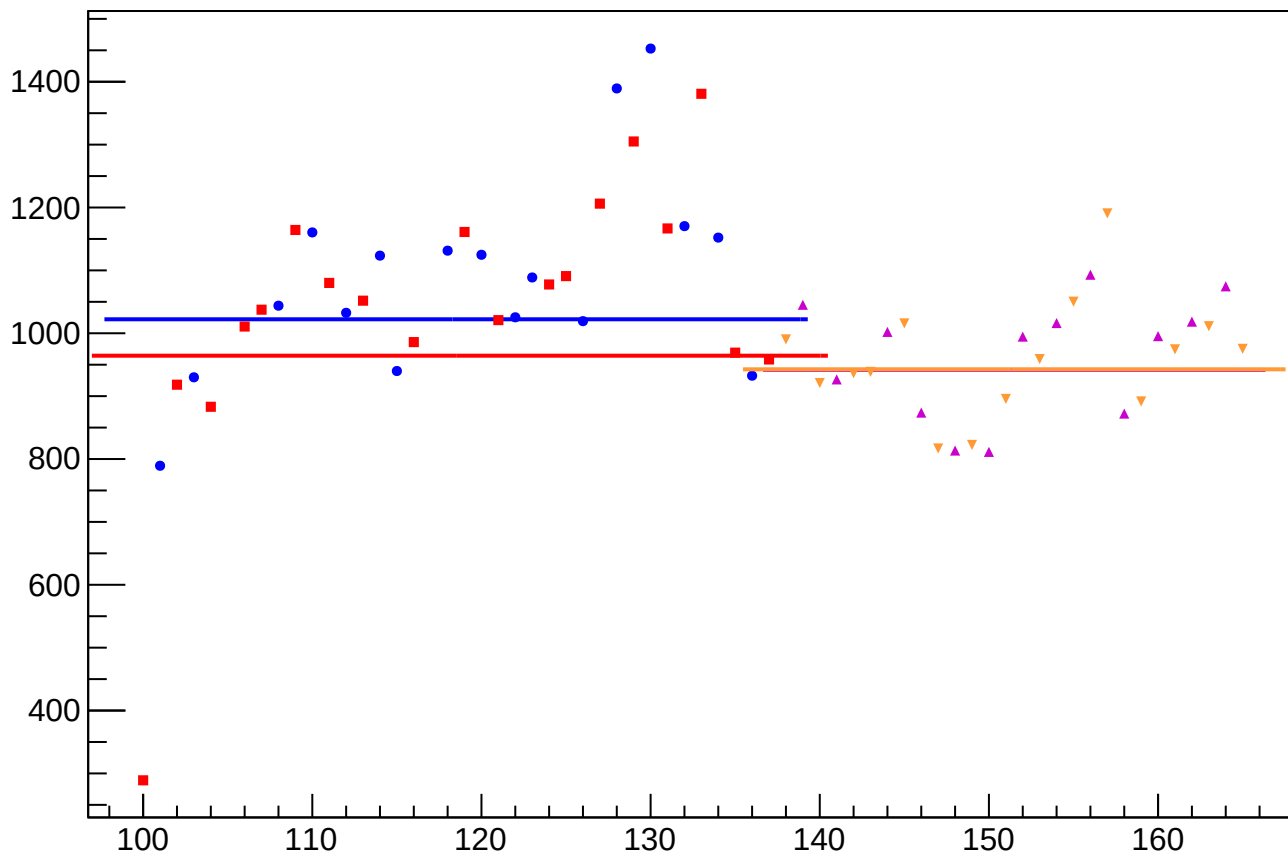
Left In: -847.942 $\pm$ 294.499 χ^2 /NDF: 13.3/12

+ sign 916.408 $\pm$ 231.779 χ^2 /NDF: 34.1/31

All: -51.544 $\pm$ 163.921 χ^2 /NDF: 95.7/63

- sign -1020.157 $\pm$ 231.858 χ^2 /NDF: 26.7/31

asym_right_dd_rms vs Slug



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

Left Out: 942.660+/-0.201 χ^2/NDF :187897.0/14

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

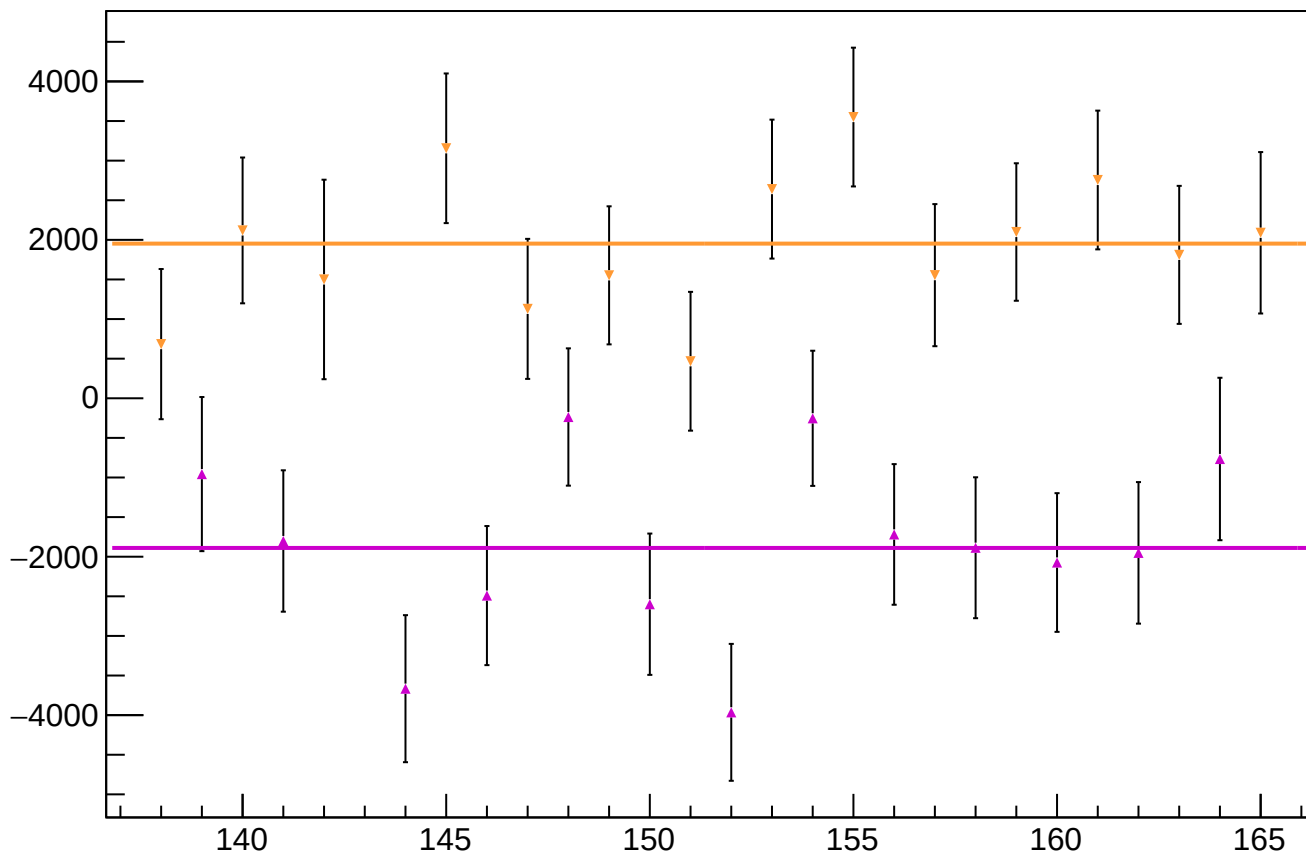
Left In: 941.702+/-0.208 χ^2/NDF :200886.4/12

+ sign 969.114+/-0.164 χ^2/NDF : 572085.8/31

All: 959.712+/-0.116 χ^2/NDF : 1851325.4/63

- sign 950.304+/-0.164 χ^2/NDF : 1272656.1/31

cor_asym_us_avg_mean vs Slug



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

Left Out: 1952.501+/-244.685 χ^2/NDF :12.6/13

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

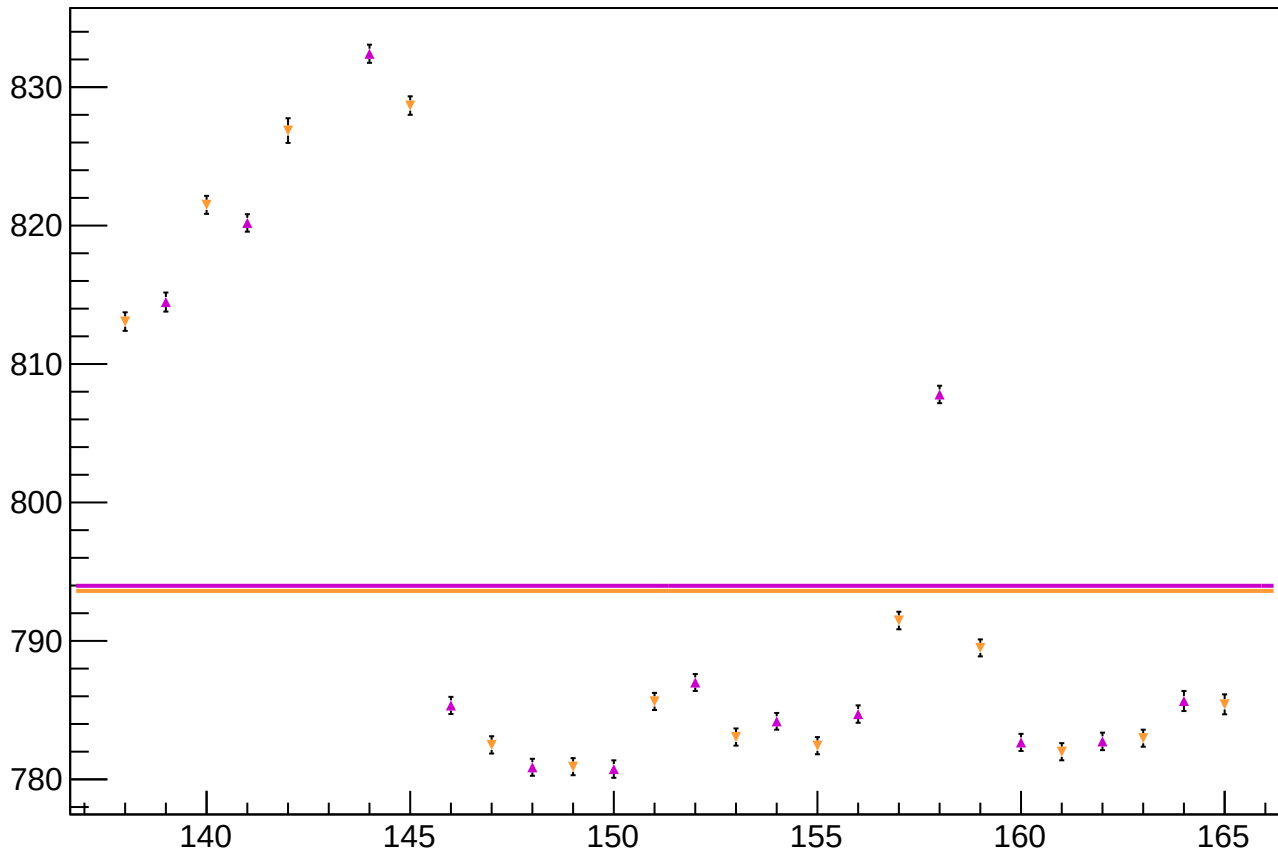
Left In: -1889.325+/-249.123 χ^2/NDF :20.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 66.111+/-174.566 χ^2/NDF : 153.7/26

- 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: 793.611+/-0.173 χ^2/NDF : 9186.3/13

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

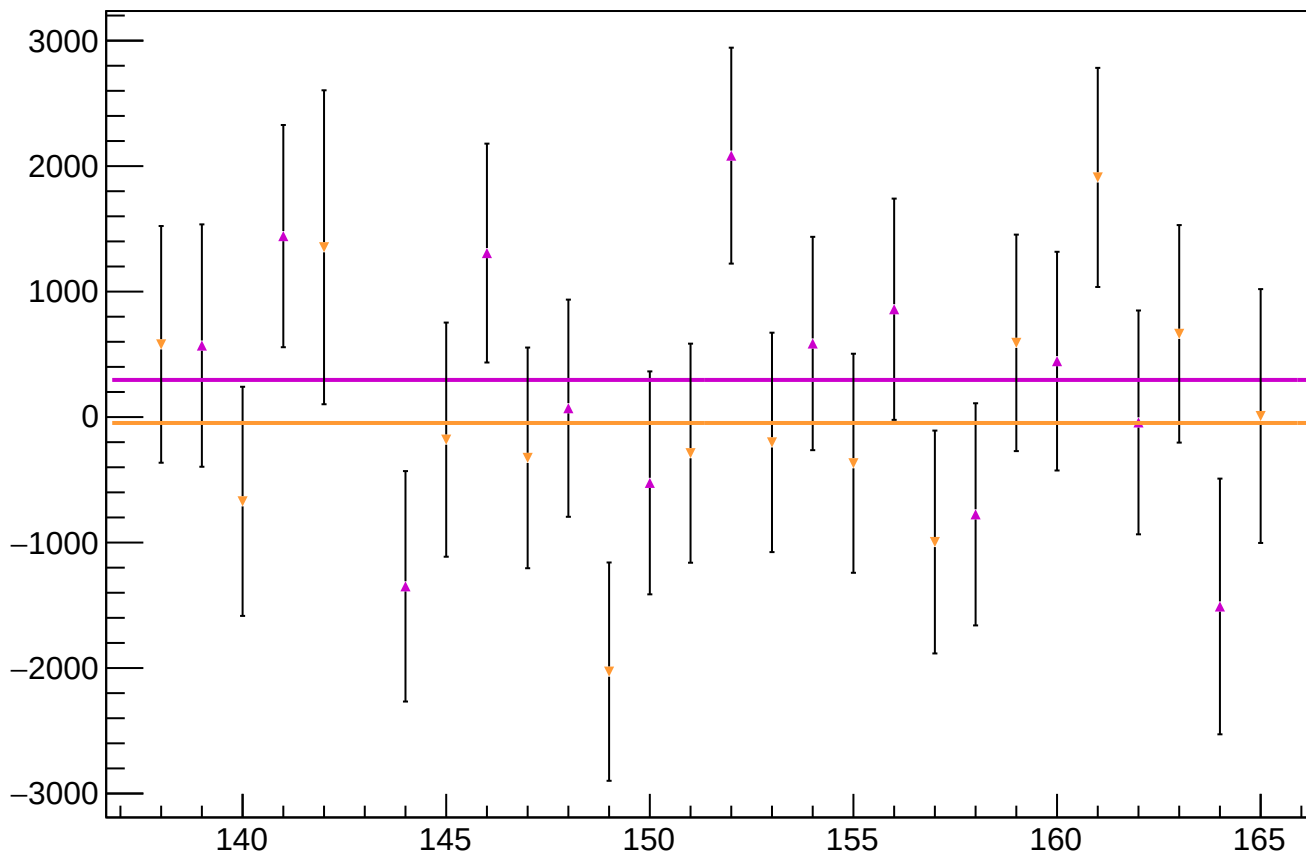
Left In: 793.982+/-0.176 χ^2/NDF : 9010.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 793.793+/-0.123 χ^2/NDF : 18198.7/26

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_mean vs Slug



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

Left Out: -46.981 $\pm$ 243.319 χ^2 /NDF:15.1/13

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

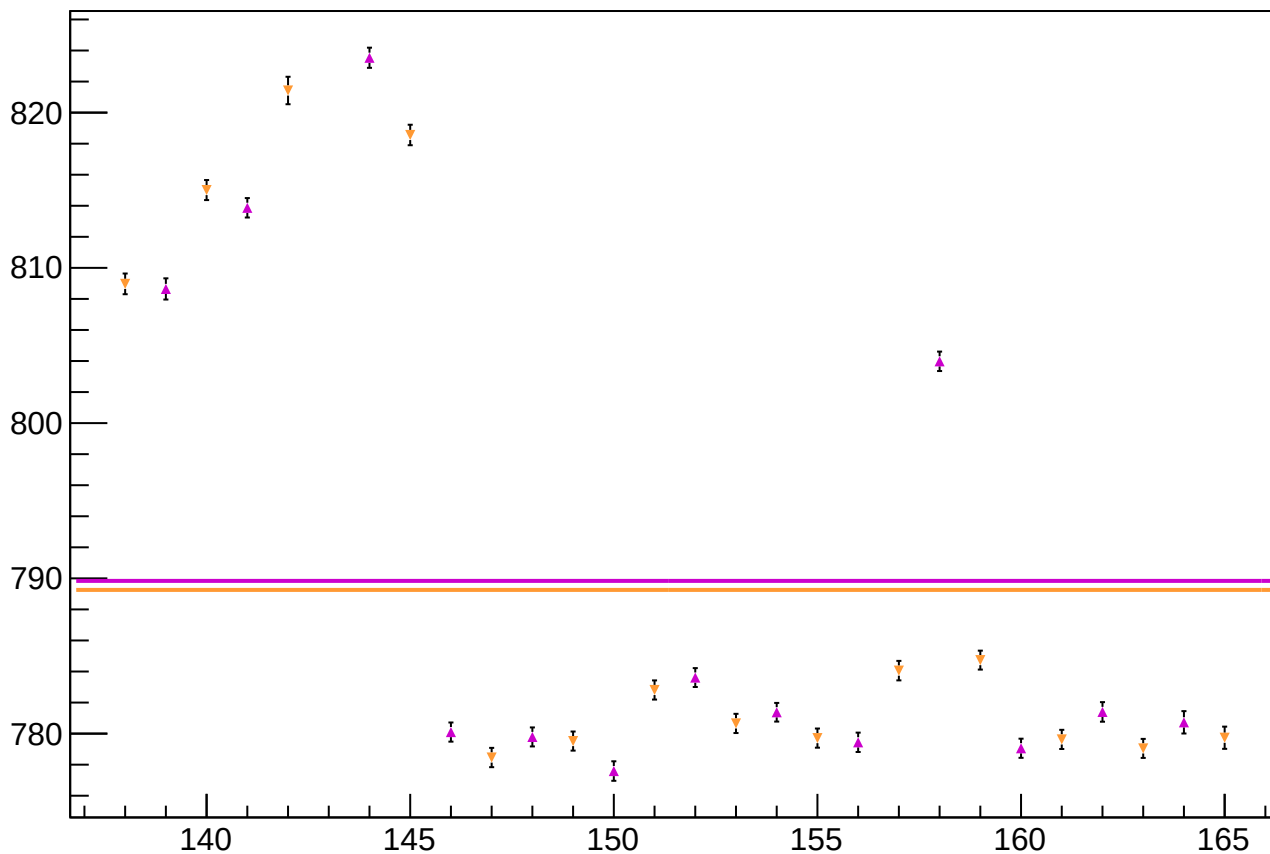
Left In: 296.055 $\pm$ 247.809 χ^2 /NDF:16.8/12

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

All: 121.402 $\pm$ 173.618 χ^2 /NDF: 32.9/26

- sign 0.000 $\pm$ 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: 789.257+/-0.172 χ^2/NDF : 7675.1/13

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

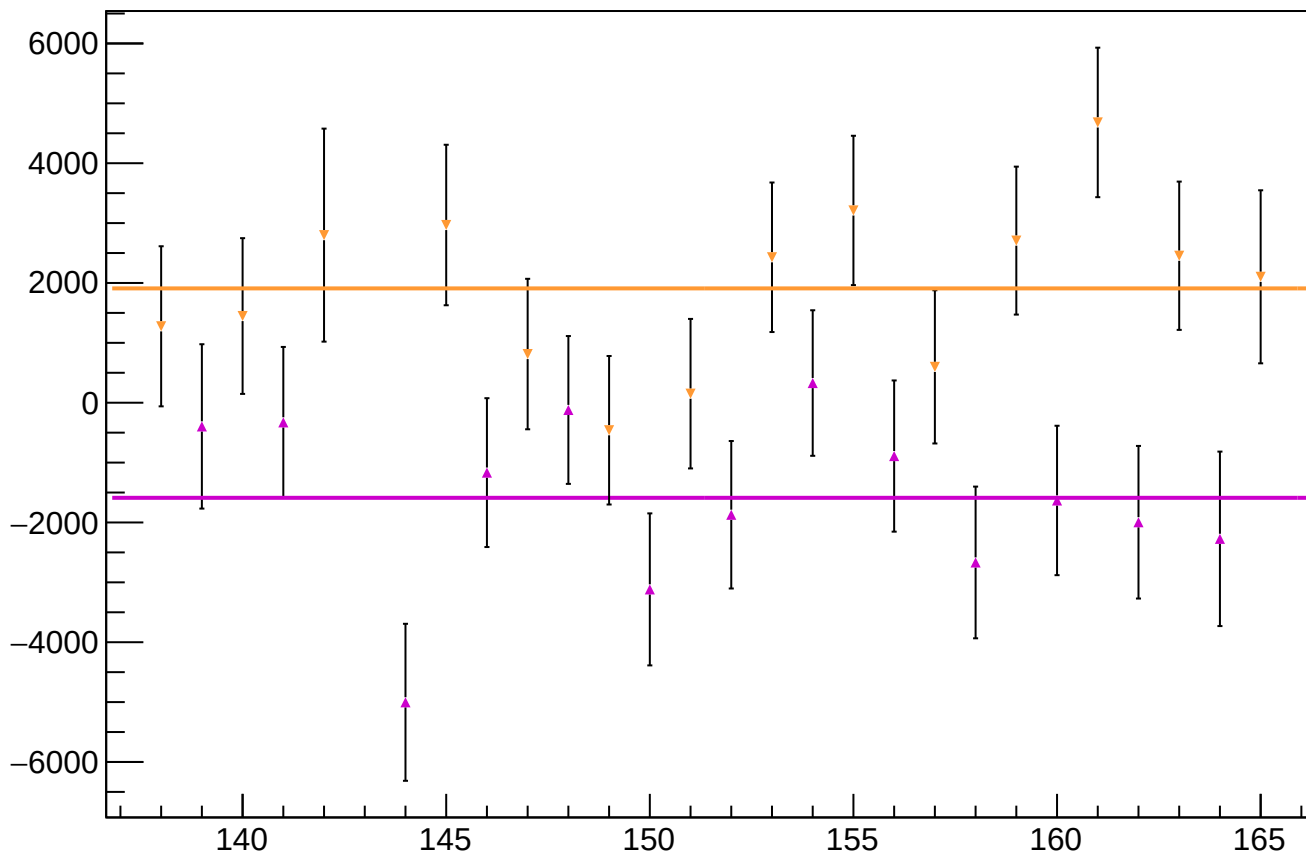
Left In: 789.838+/-0.175 χ^2/NDF : 7560.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 789.542+/-0.123 χ^2/NDF : 15240.8/26

- 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: 1909.267+/-347.703 χ^2/NDF :15.5/13

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

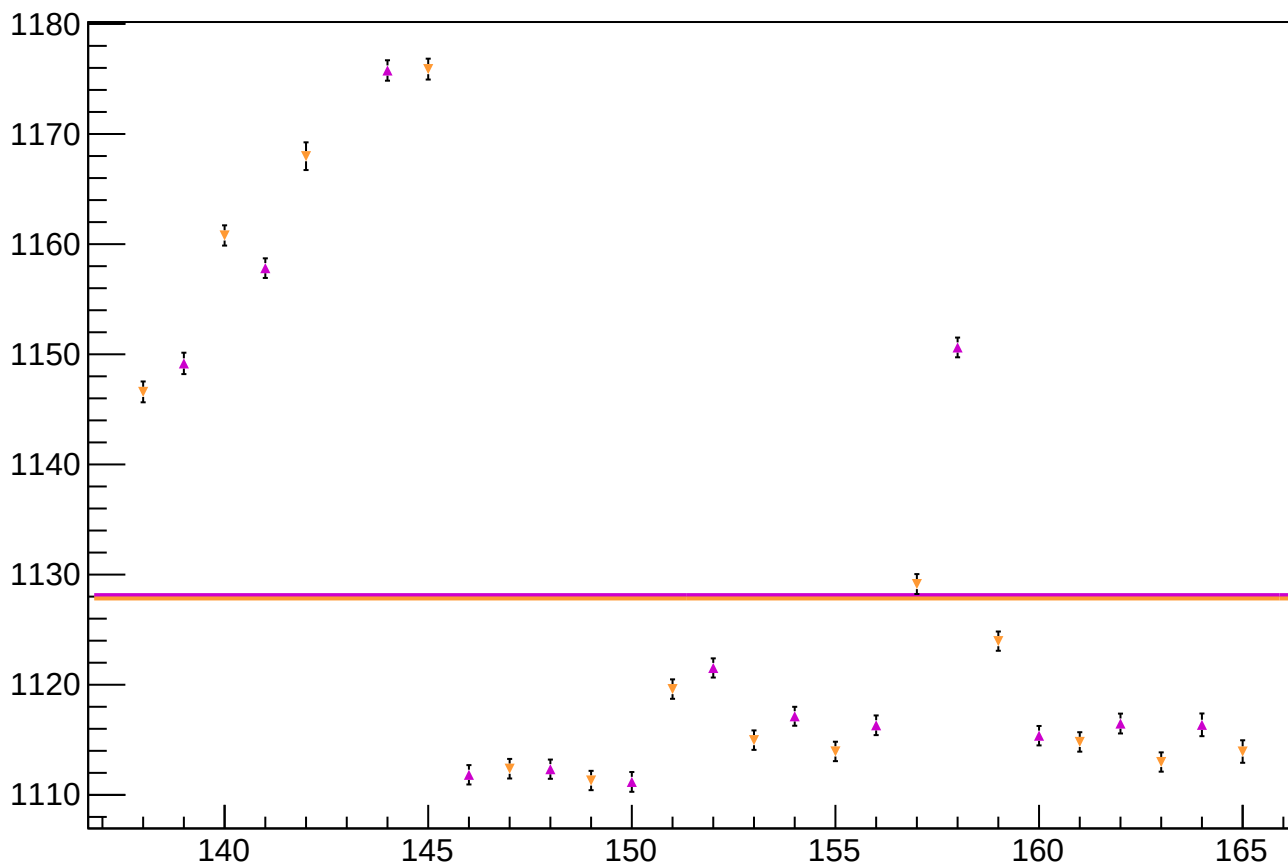
Left In: -1588.284+/-353.945 χ^2/NDF :15.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 191.601+/-248.041 χ^2/NDF : 80.6/26

- 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: 1127.833+/-0.246 χ^2/NDF : 7185.0/13

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

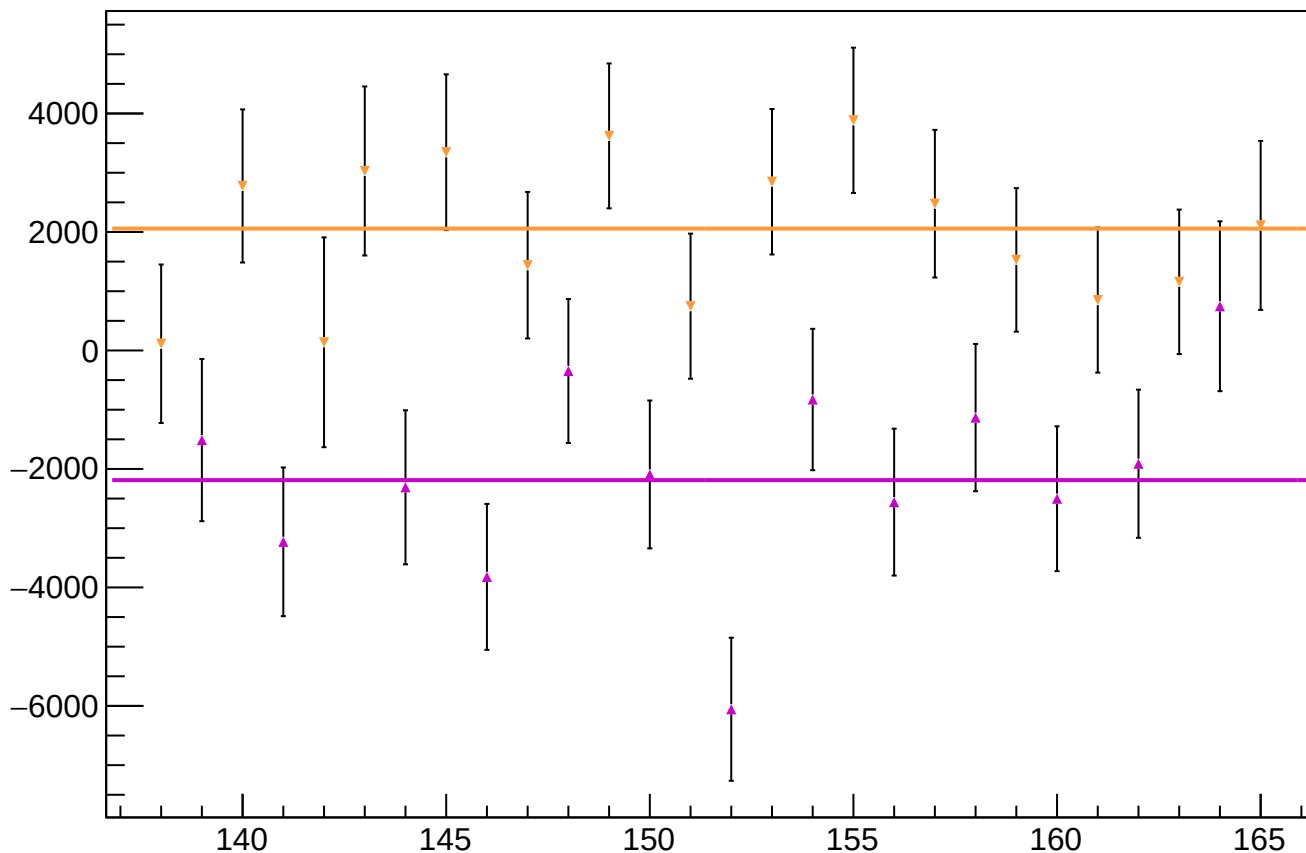
Left In: 1128.137+/-0.250 χ^2/NDF : 6782.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1127.982+/-0.175 χ^2/NDF : 13968.5/26

- 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: 2056.852+/-332.974 χ^2/NDF :12.5/14

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

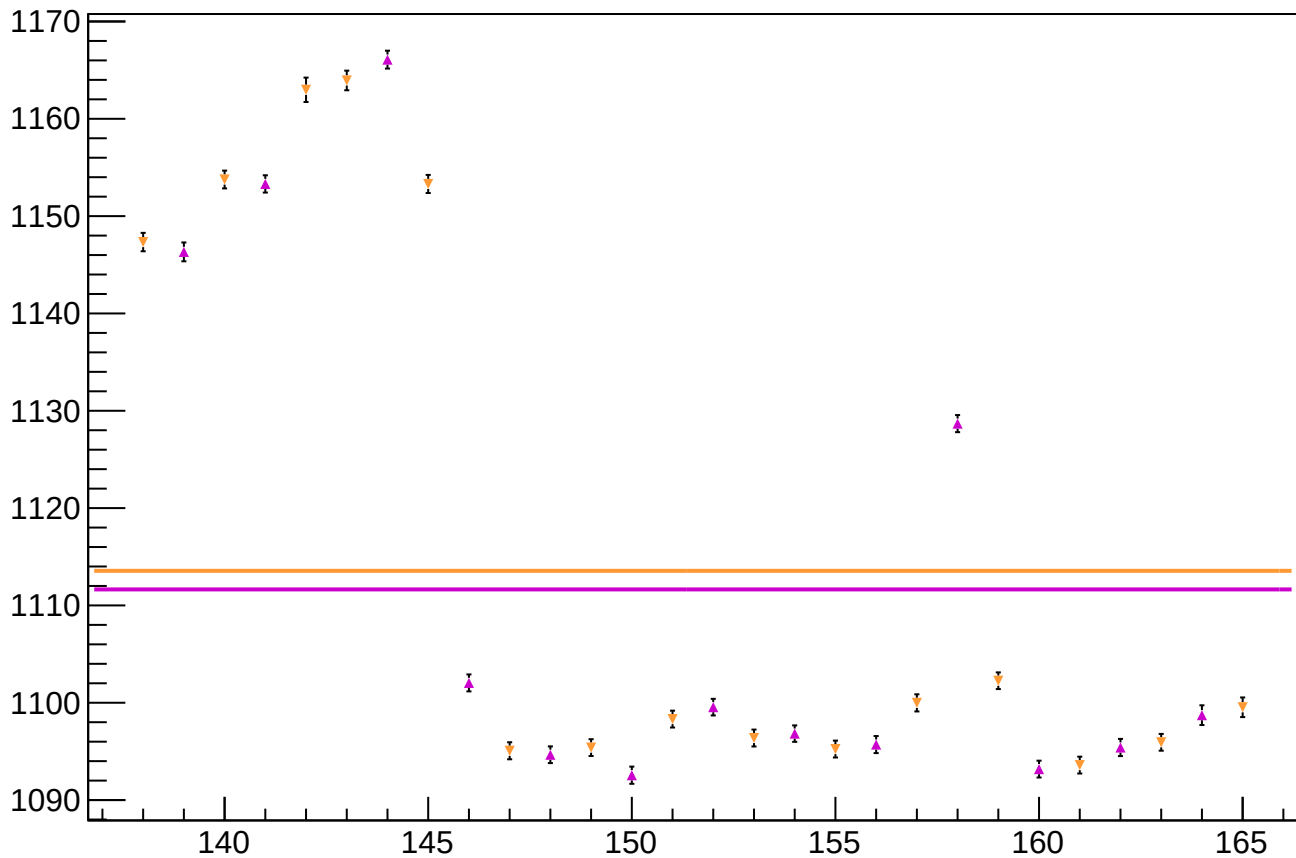
Left In: -2188.612+/-348.799 χ^2/NDF :21.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 32.616+/-240.848 χ^2/NDF : 111.7/27

- 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: 1113.554+/-0.235 χ^2/NDF :12679.2/14

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

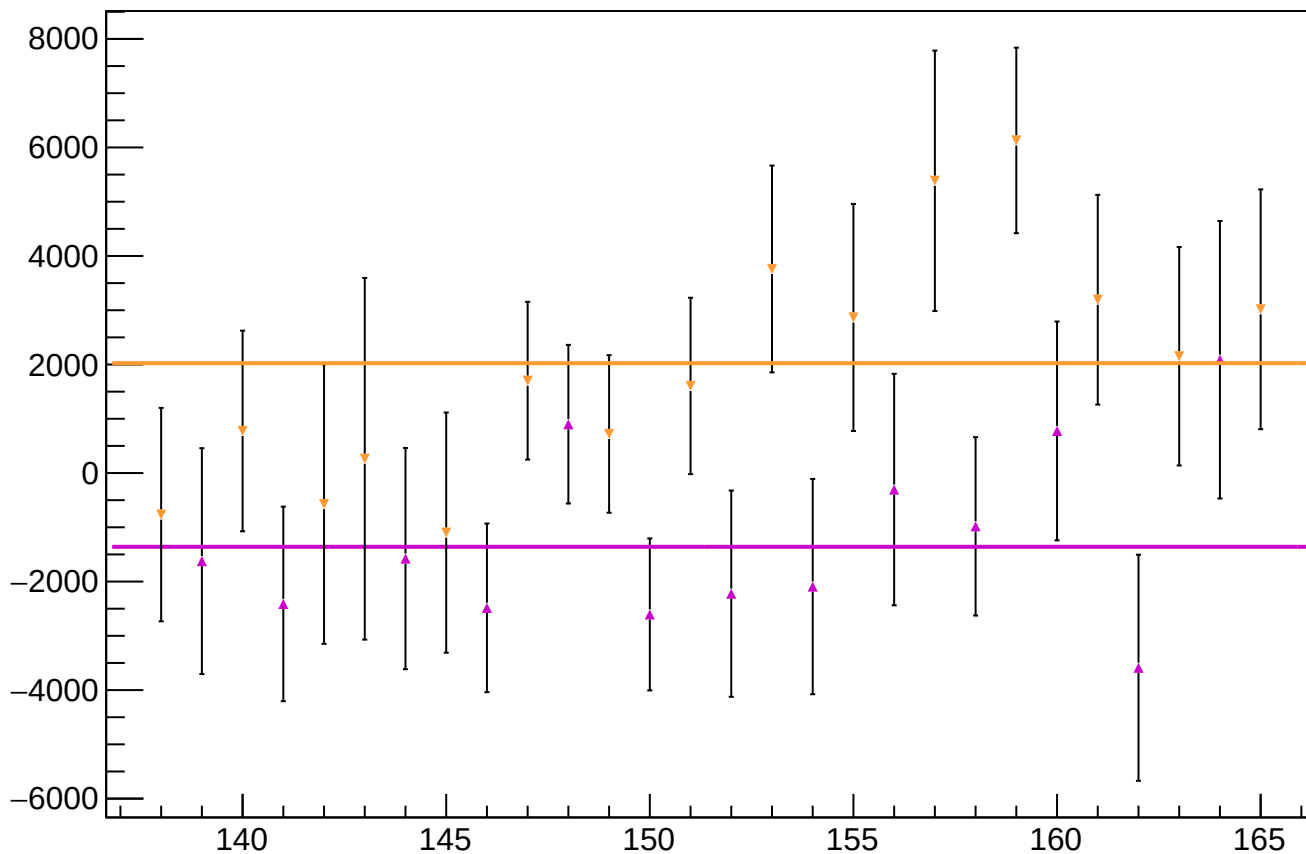
Left In: 1111.644+/-0.247 χ^2/NDF :10145.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1112.644+/-0.170 χ^2/NDF : 22855.9/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_mean vs Slug



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

Left Out: 2024.750+/-496.194 χ^2/NDF : 16.0/14

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

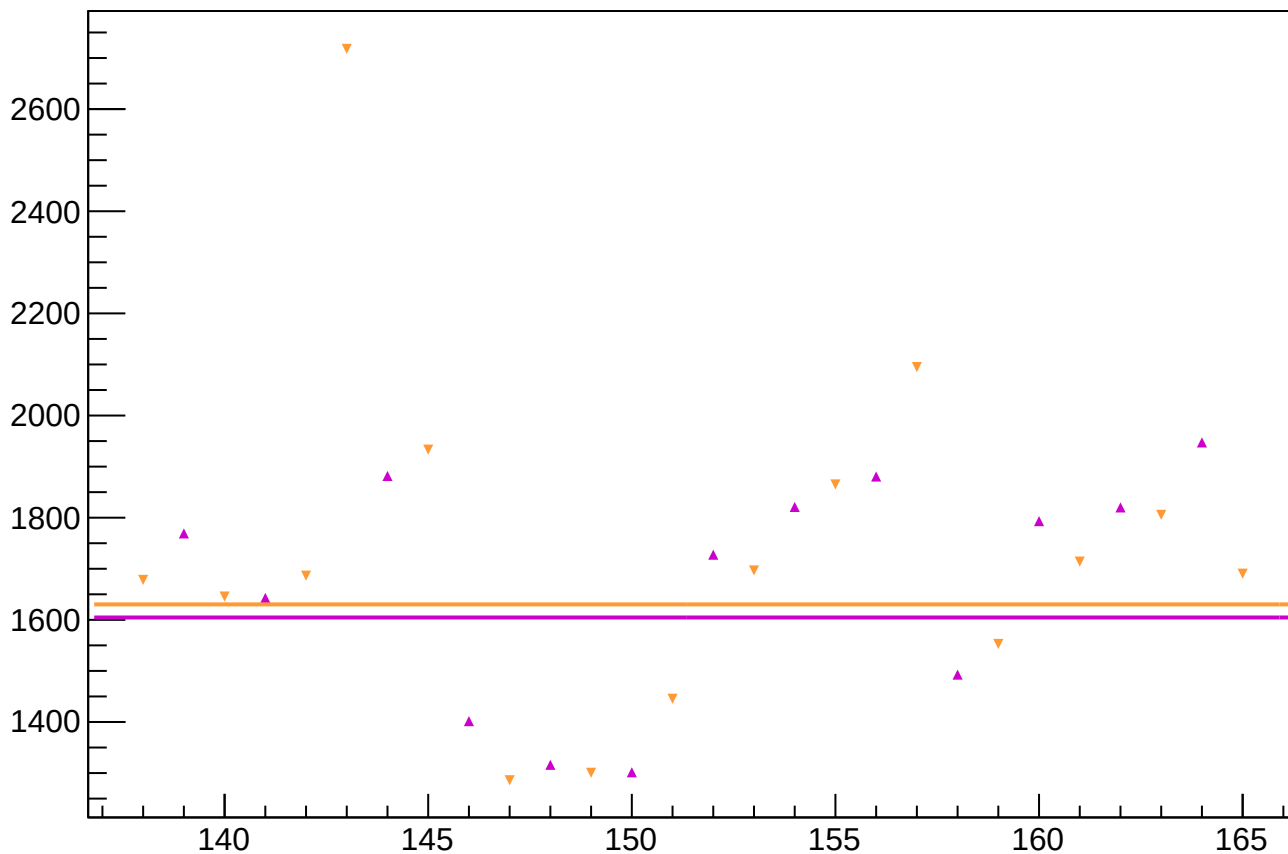
Left In: -1359.362+/-504.814 χ^2/NDF : 8.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 361.832+/-353.870 χ^2/NDF : 47.6/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_rms vs Slug



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

Left Out: 1630.227+/-0.351 χ^2/NDF : 621220.7/14

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

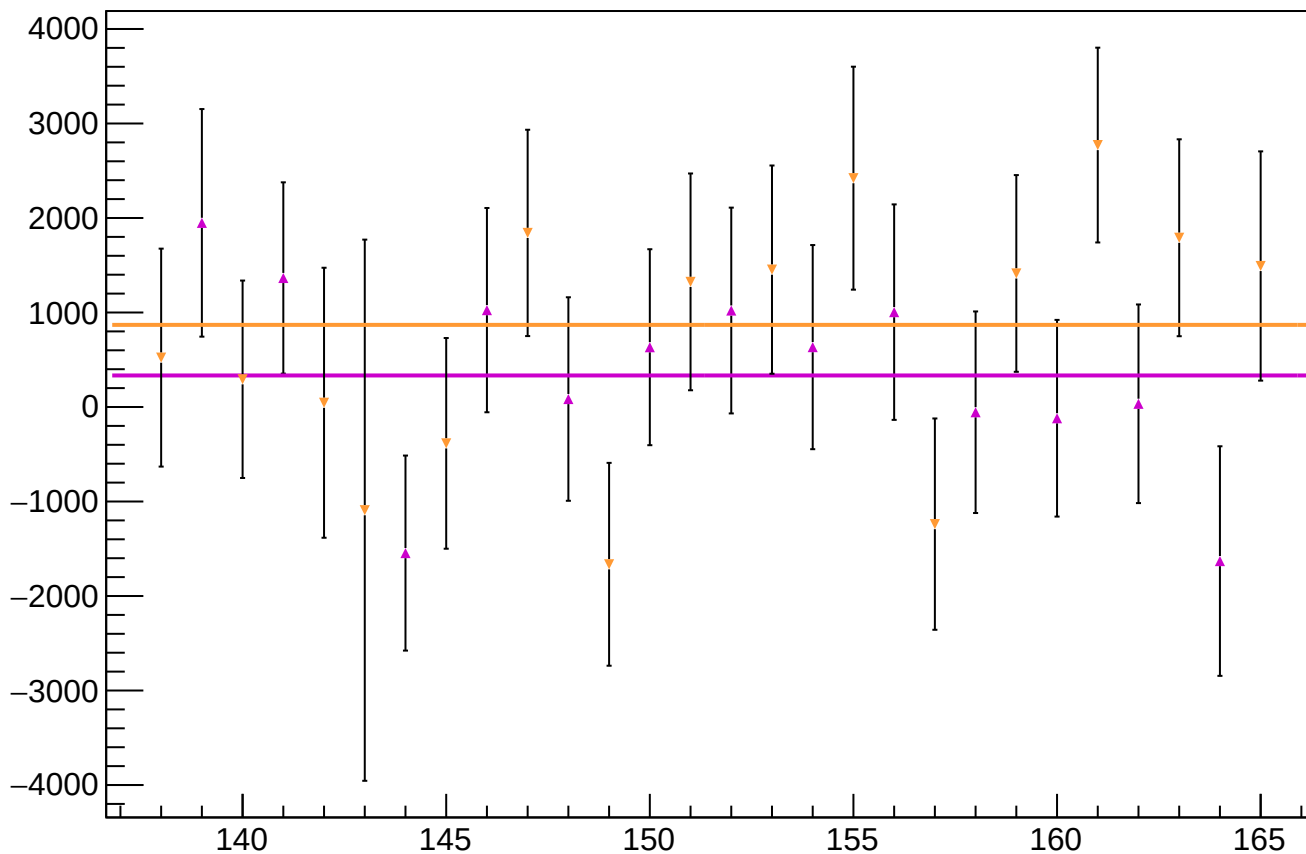
Left In: 1604.572+/-0.357 χ^2/NDF : 405711.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1617.620+/-0.250 χ^2/NDF : 1029559.2/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_mean vs Slug



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

Left Out: 869.056+/-296.687 χ^2/NDF : 19.3/14

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

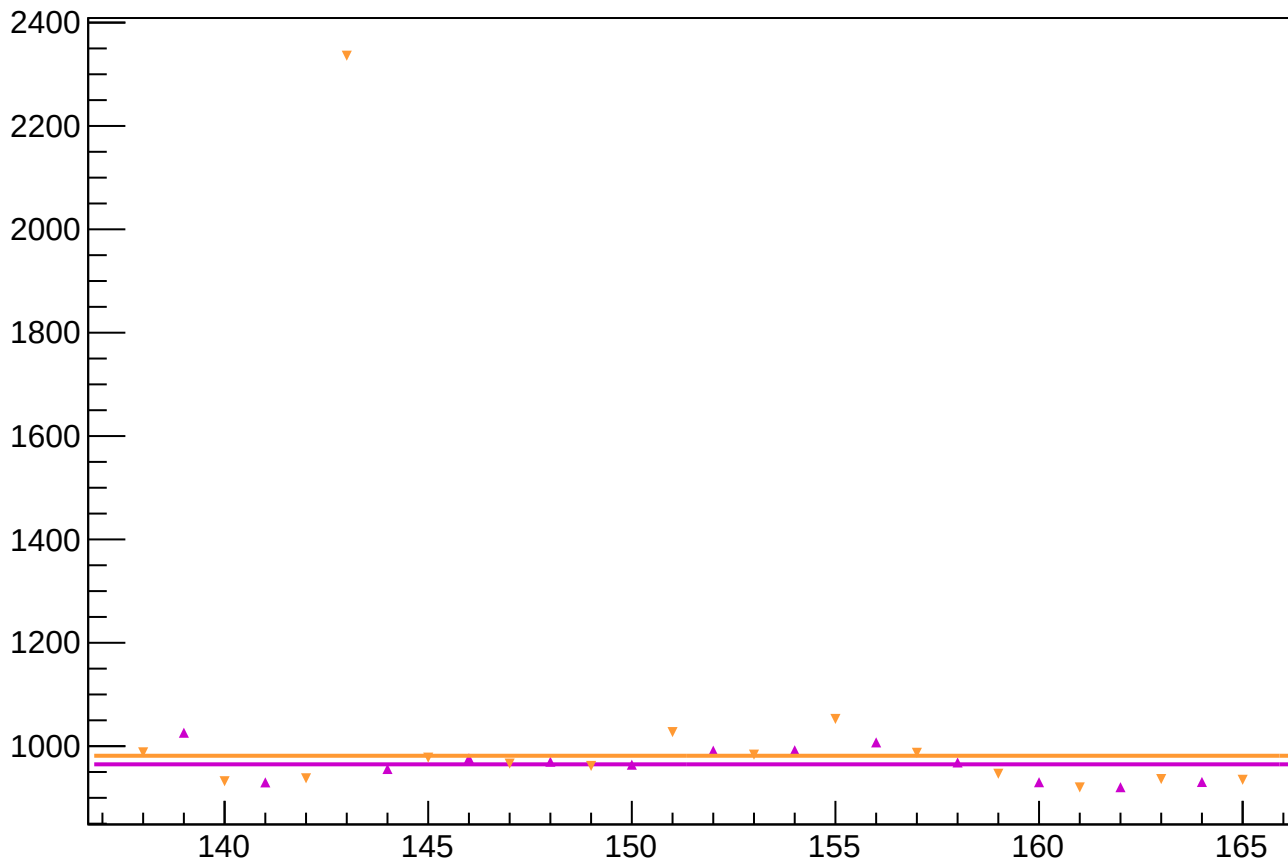
Left In: 333.759+/-300.021 χ^2/NDF : 10.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 604.398+/-210.958 χ^2/NDF : 31.4/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_rms vs Slug



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

Left Out: 981.424+/-0.210 χ^2/NDF : 481576.8/14

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

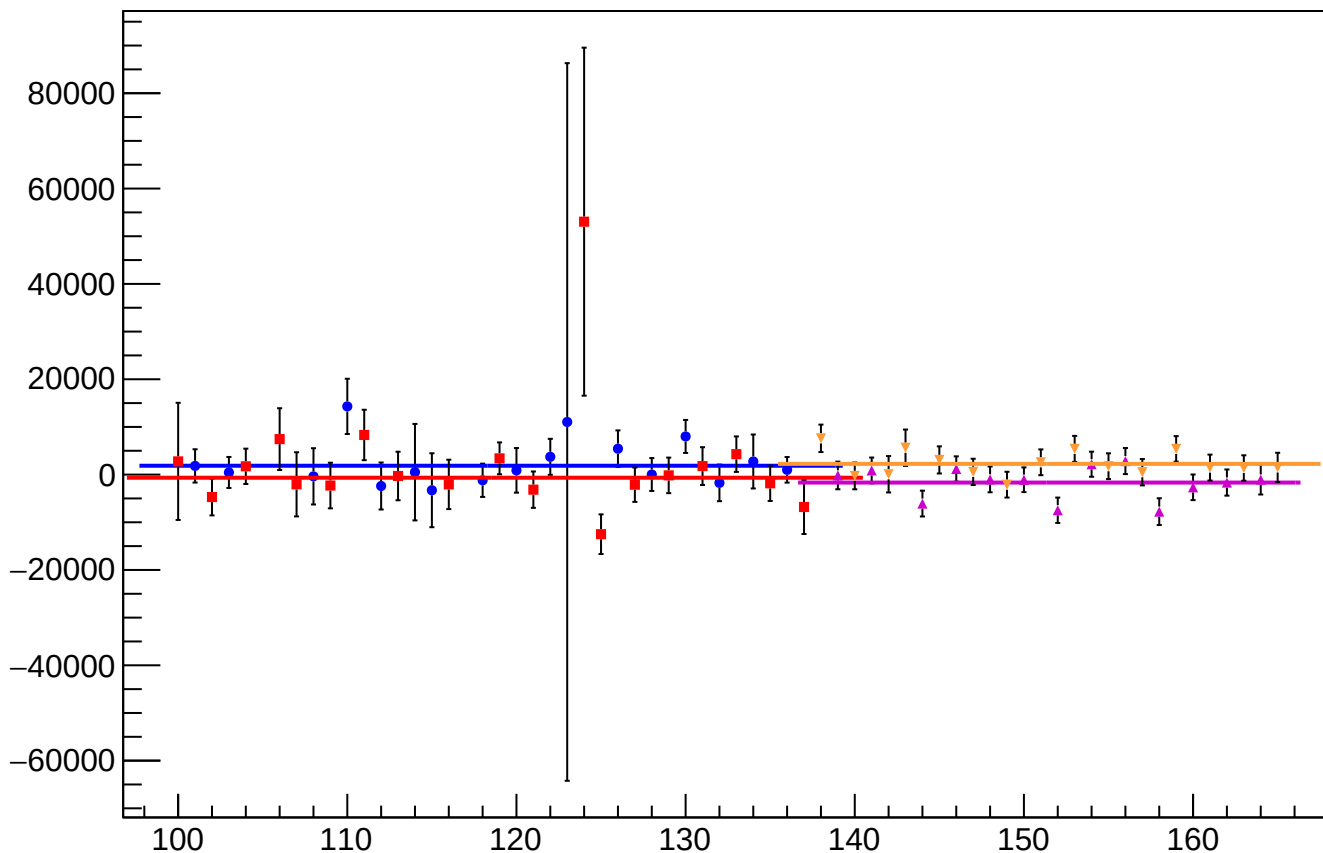
Left In: 964.835+/-0.212 χ^2/NDF : 20557.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 973.222+/-0.149 χ^2/NDF : 505225.7/27

- 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: 2250.935 $\pm$ 737.353 χ^2 /NDF: 11.9/14

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

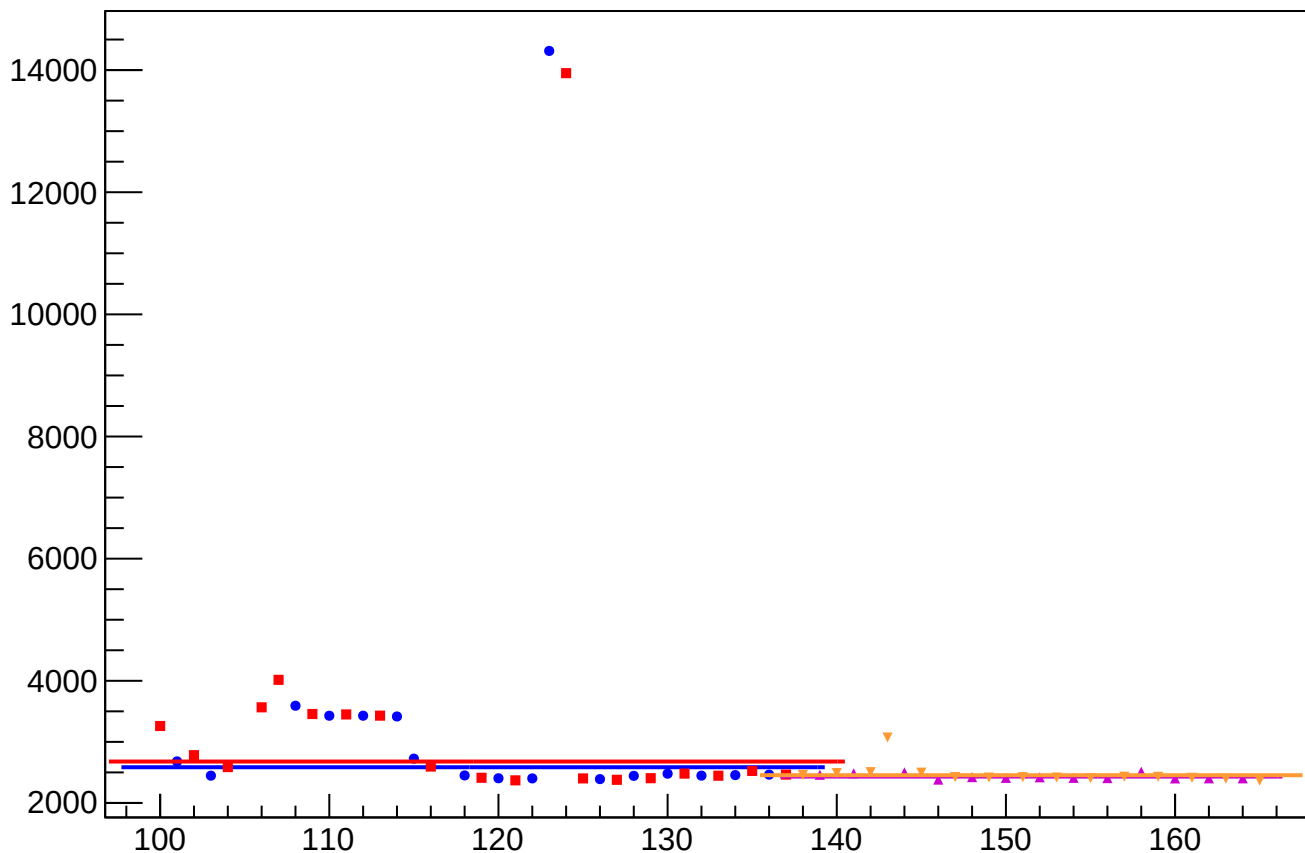
Left In: -1668.800 $\pm$ 758.207 χ^2 /NDF: 19.6/12

+ sign 2115.538 $\pm$ 596.238 χ^2 /NDF: 24.5/31

All: 440.173 $\pm$ 426.148 χ^2 /NDF: 82.9/63

- sign -1309.424 $\pm$ 609.304 χ^2 /NDF: 42.3/31

reg_asym_atl1_rms vs Slug



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

Left Out: 2454.414+/-0.521 χ^2/NDF : 59021.3/14

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

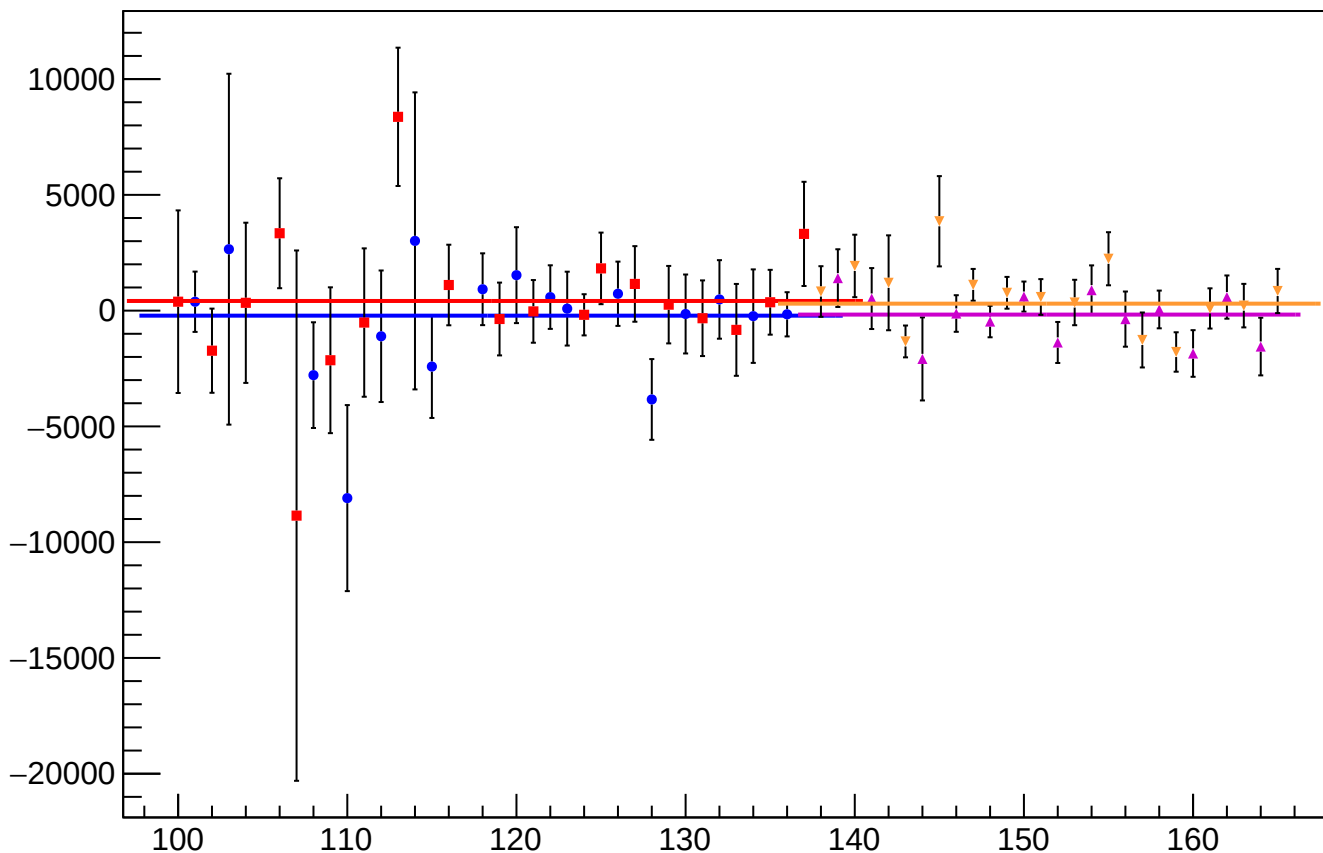
Left In: 2431.918+/-0.536 χ^2/NDF : 5739.6/12

+ sign 2499.552+/-0.422 χ^2/NDF : 336384.3/31

All: 2509.145+/-0.301 χ^2/NDF : 950041.5/63

- sign 2519.164+/-0.431 χ^2/NDF : 612598.8/31

asym_atl1_correction_mean vs Slug



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

Left Out: 301.309 $\pm$ 239.966 χ^2/NDF : 23.9/14

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

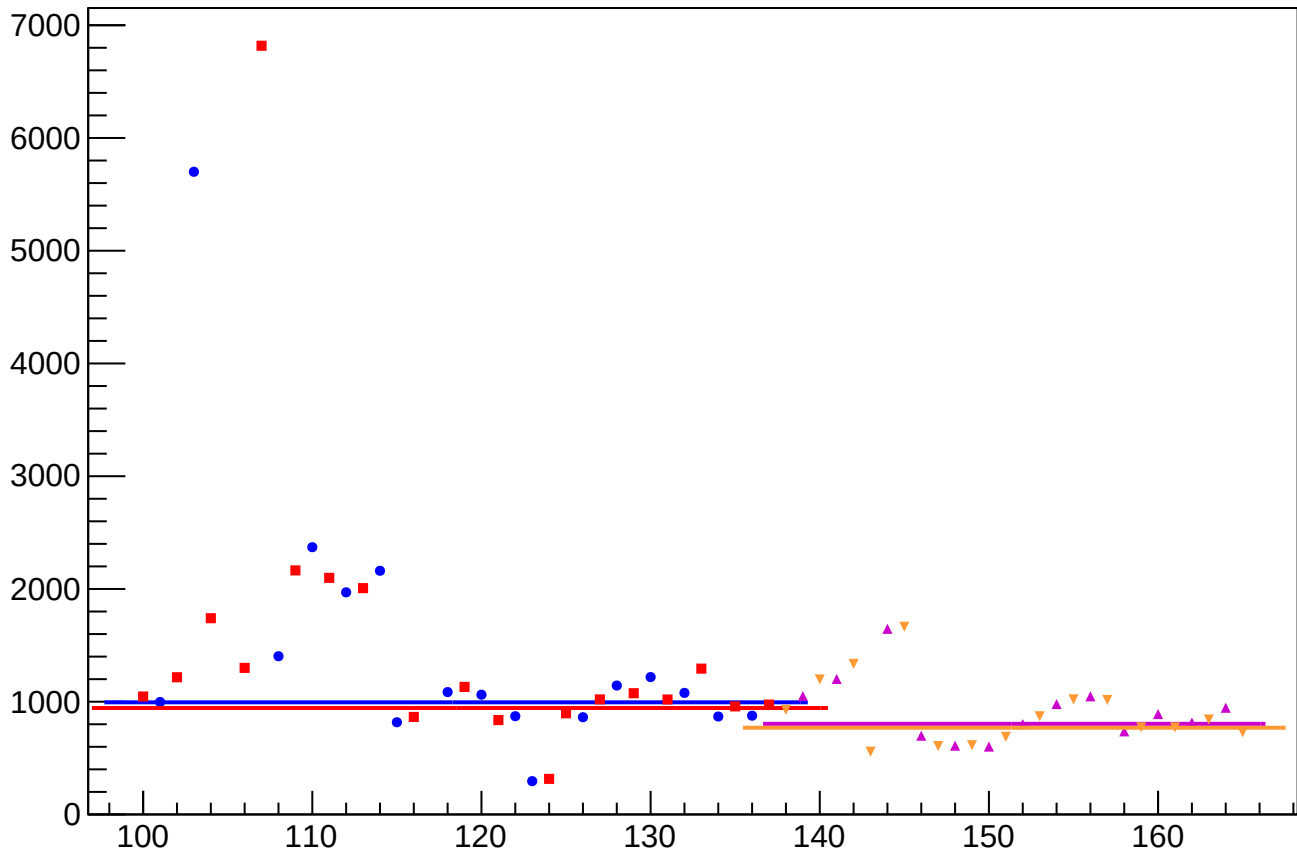
Left In: -171.228 $\pm$ 259.898 χ^2/NDF : 12.2/12

+ sign 173.784 $\pm$ 208.366 χ^2/NDF : 38.4/31

All: 90.425 $\pm$ 151.072 χ^2/NDF : 68.1/63

- sign -1.955 $\pm$ 219.353 χ^2/NDF : 29.4/31

asym_atl1_correction_rms vs Slug



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

Left Out: 769.047 $\pm$ 0.170 χ^2/NDF : 1466536.9/14

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

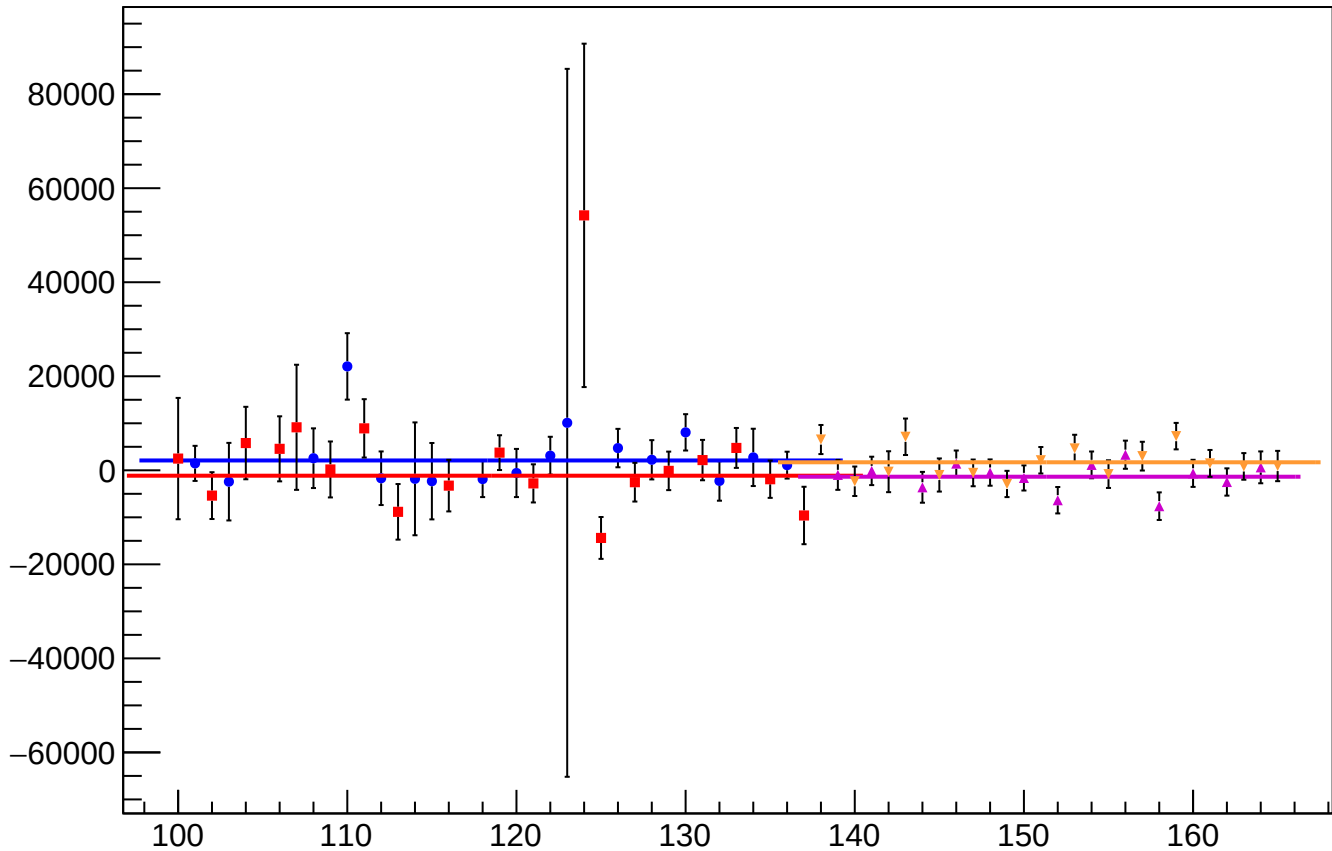
Left In: 803.643 $\pm$ 0.184 χ^2/NDF : 1285628.1/12

+ sign 824.526 $\pm$ 0.147 χ^2/NDF : 3805588.3/31

All: 833.812 $\pm$ 0.107 χ^2/NDF : 7934078.9/63

- sign 844.102 $\pm$ 0.155 χ^2/NDF : 4120117.6/31

asym_atl1_mean vs Slug



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

Left Out: 1706.248 ± 791.720 χ^2/NDF : 16.3/14

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

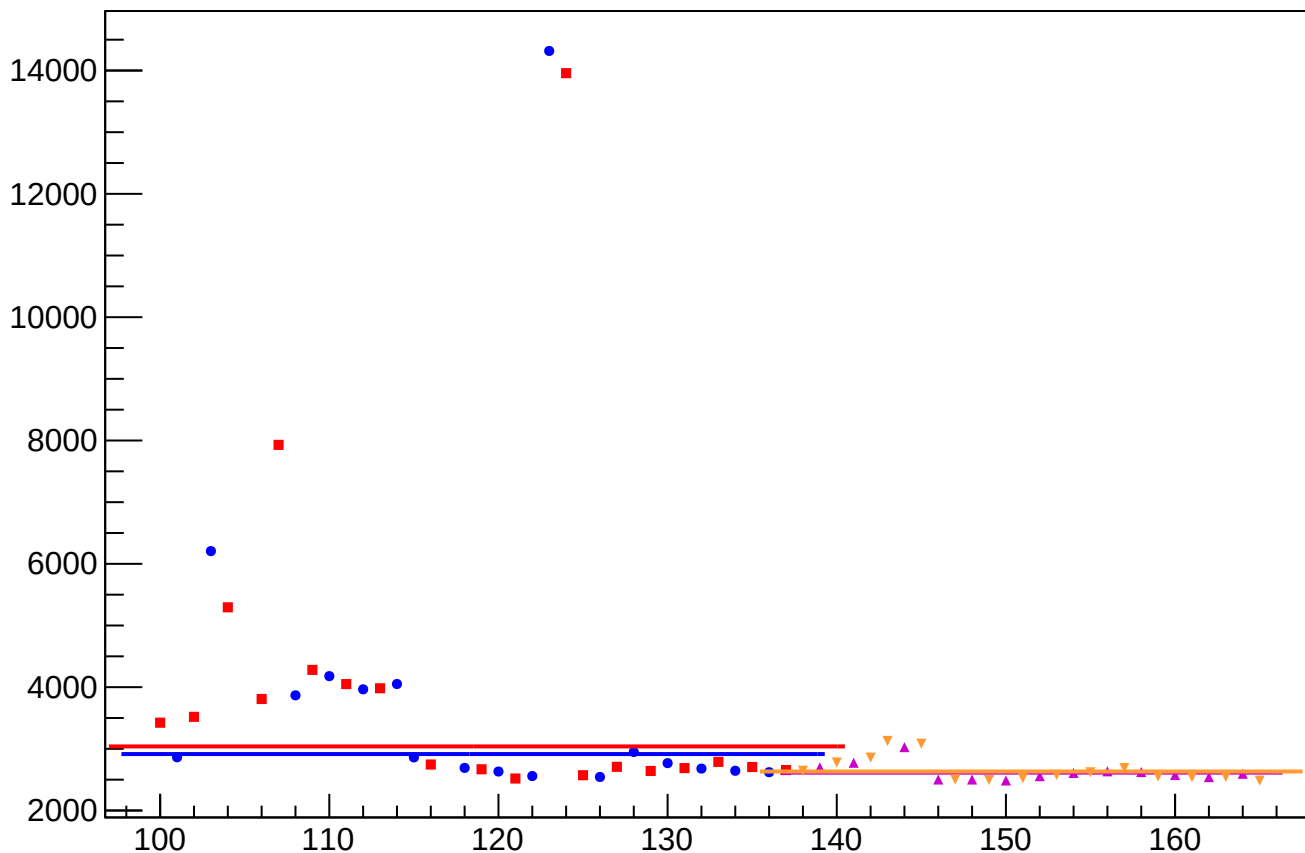
Left In: -1364.242 ± 815.827 χ^2/NDF : 13.3/12

+ sign 1829.427 ± 654.004 χ^2/NDF : 31.0/31

All: 310.496 ± 468.799 χ^2/NDF : 80.5/63

- sign -1294.798 ± 672.339 χ^2/NDF : 38.4/31

asym_atl1_rms vs Slug



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

Left Out: 2632.627+/-0.560 χ^2 /NDF:98597.2/14

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

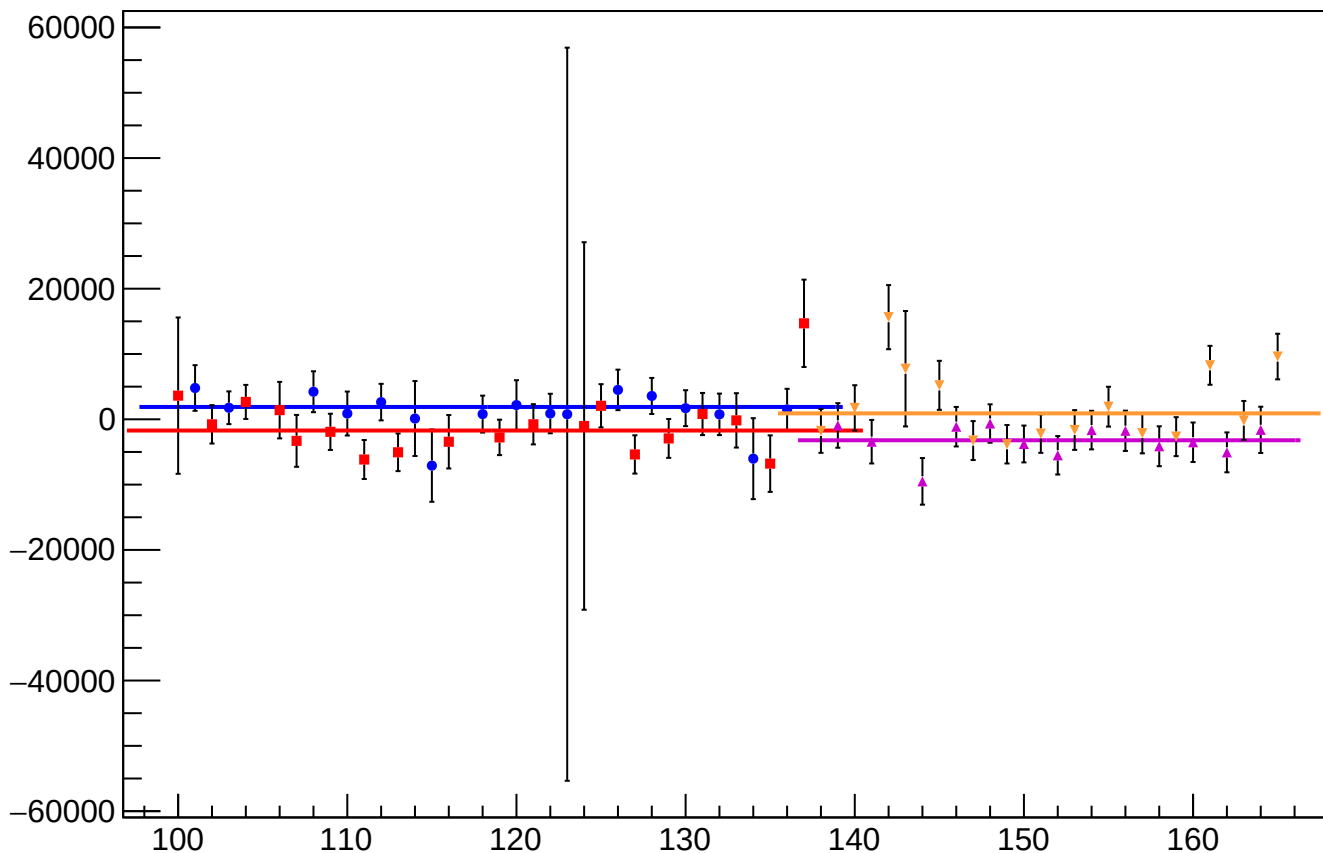
Left In: 2613.523+/-0.577 χ^2 /NDF:52368.9/12

+ sign 2722.382+/-0.462 χ^2 /NDF: 818657.4/31

All: 2735.844+/-0.331 χ^2 /NDF: 2058790.7/63

- sign 2750.072+/-0.475 χ^2 /NDF: 1238390.2/31

reg_asym_atl2_mean vs Slug



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

Left Out: 909.539 $\pm$ 851.312 χ^2 /NDF:32.9/14

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

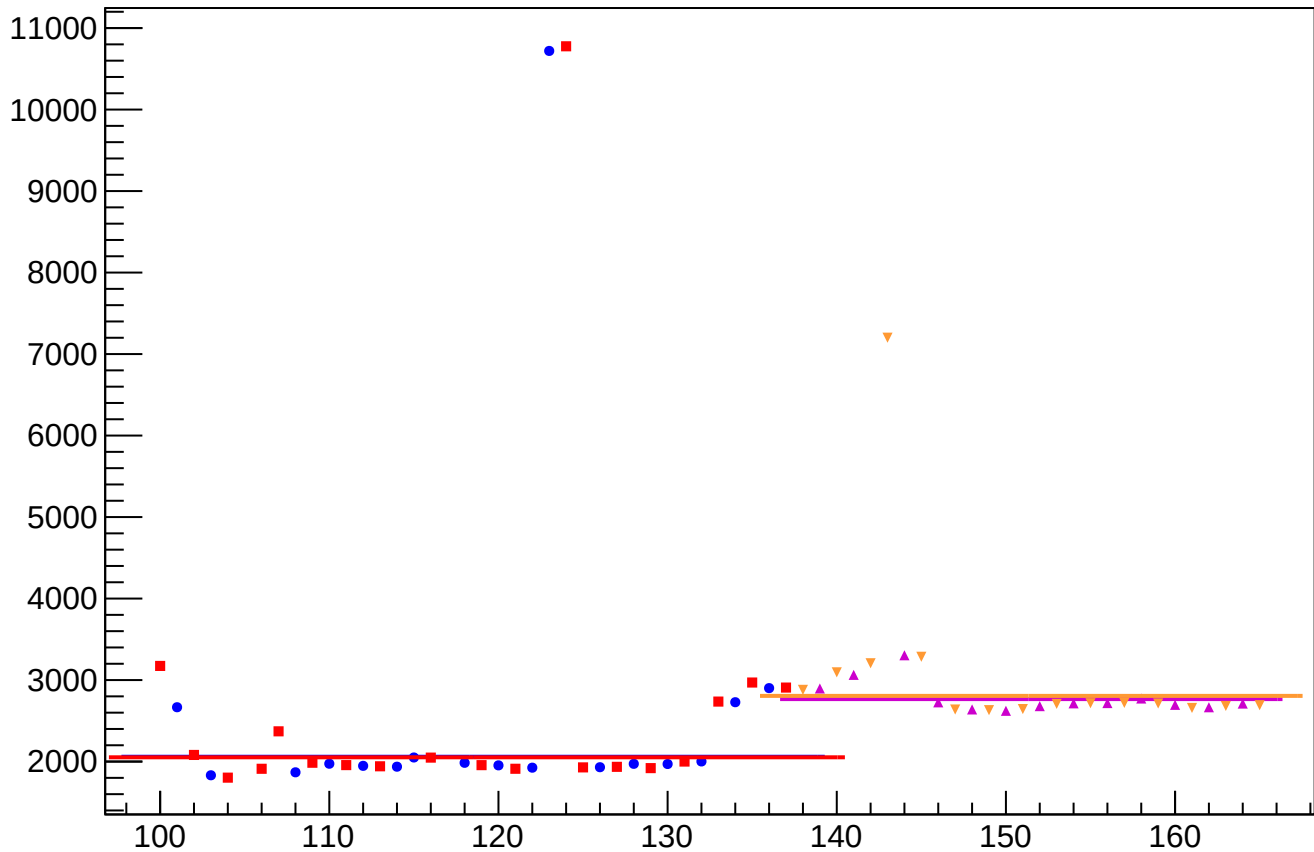
Left In: -3212.606 $\pm$ 862.607 χ^2 /NDF:6.6/12

+ sign 1423.242 $\pm$ 587.361 χ^2 /NDF: 40.9/31

All: -504.053 $\pm$ 413.647 χ^2 /NDF: 89.4/63

- sign -2400.482 $\pm$ 582.639 χ^2 /NDF: 27.2/31

reg_asym_atl2_rms vs Slug



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

Left Out: 2805.898+/-0.602 χ^2/NDF : 592589.0/14

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

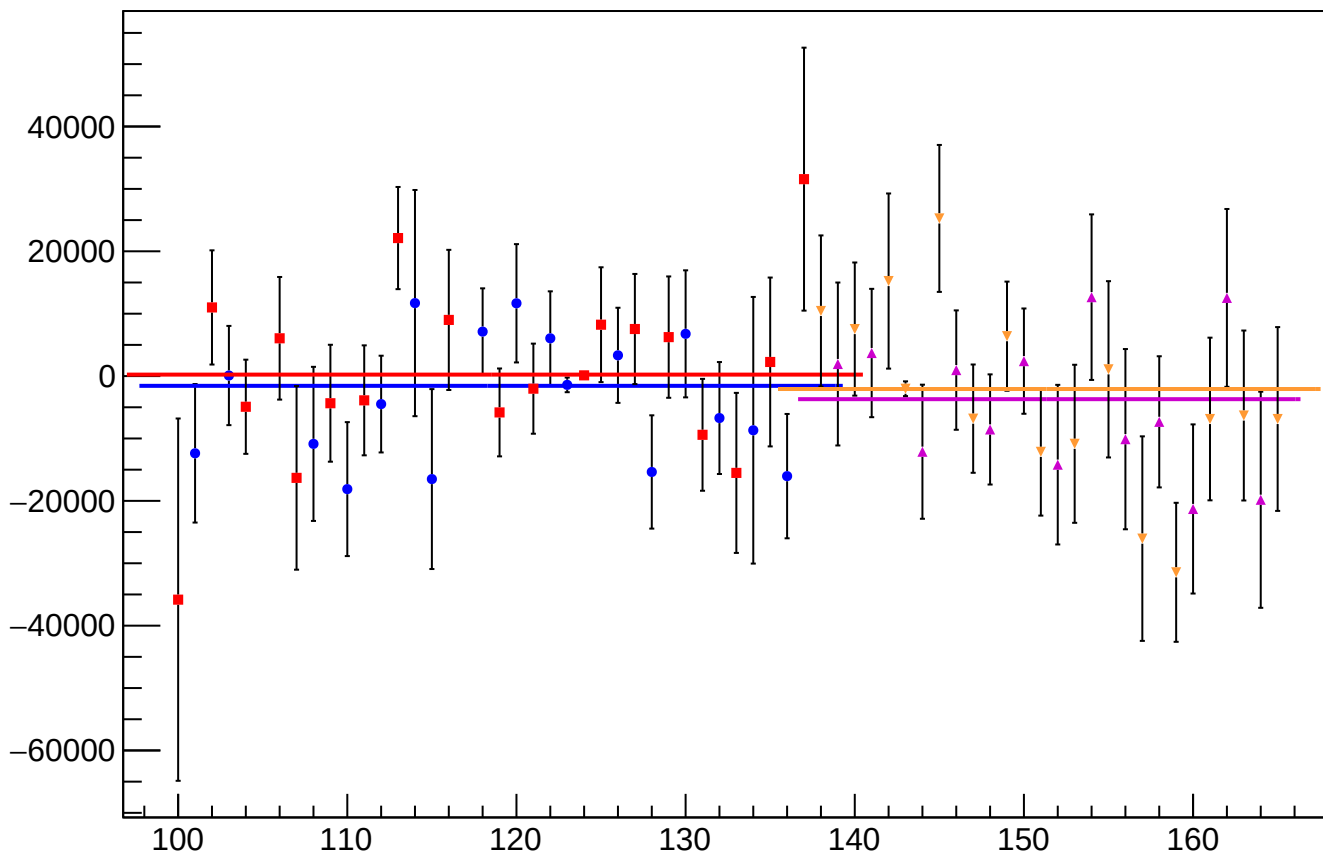
Left In: 2766.509+/-0.610 χ^2/NDF : 80090.9/12

+ sign 2414.525+/-0.415 χ^2/NDF : 1717874.8/31

All: 2396.172+/-0.292 χ^2/NDF : 2990802.1/63

- sign 2378.112+/-0.412 χ^2/NDF : 1269052.9/31

asym_atl2_correction_mean vs Slug



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

Left Out: -2070.733 ± 1105.864 χ^2/NDF : 21.0/14

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

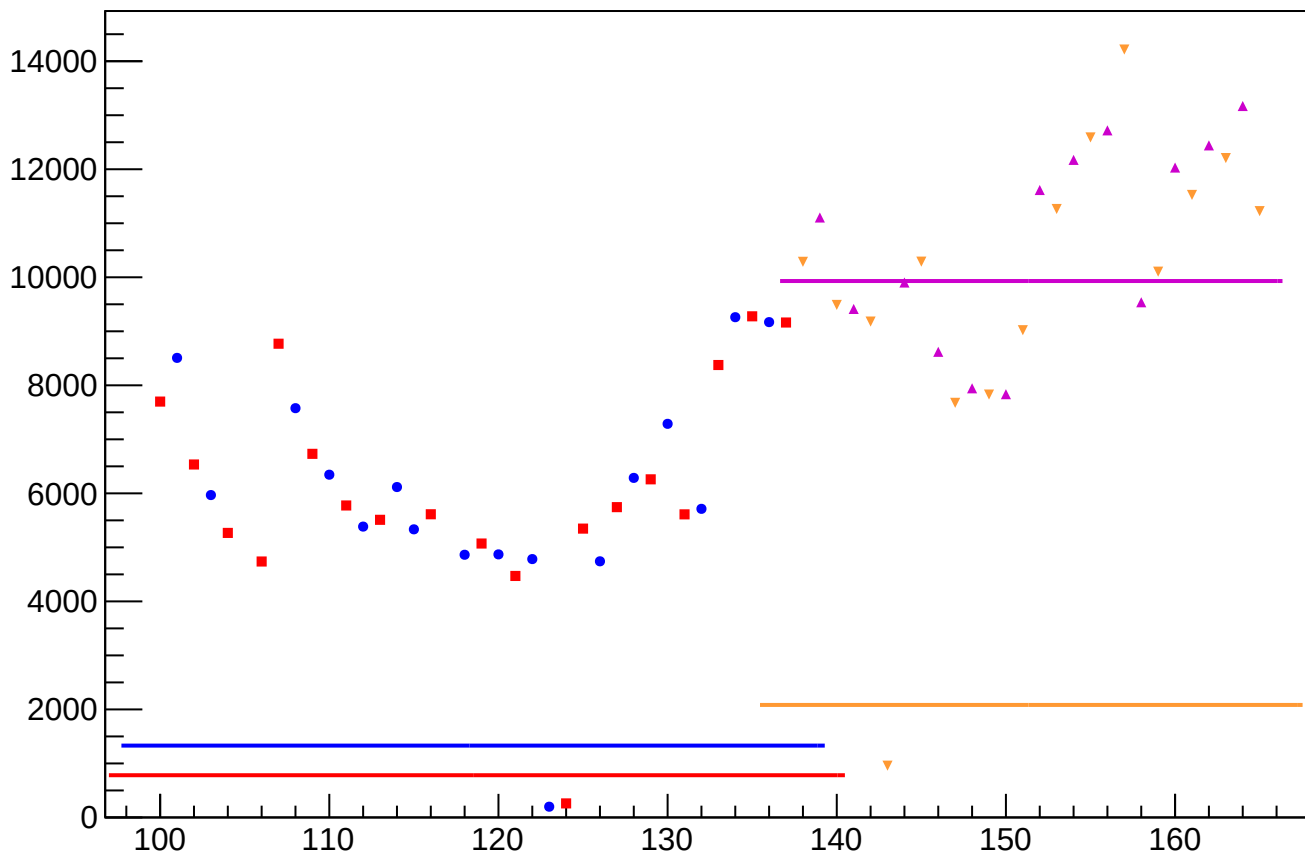
Left In: -3700.708 ± 3144.713 χ^2/NDF : 8.7/12

+ sign -1804.783 ± 762.946 χ^2/NDF : 37.3/31

All: -767.930 ± 507.127 χ^2/NDF : 71.6/63

- sign 52.775 ± 678.780 χ^2/NDF : 31.0/31

asym_atl2_correction_rms vs Slug



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

Left Out: 2083.009+/-0.782 χ^2/NDF : 15001783.0/14

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

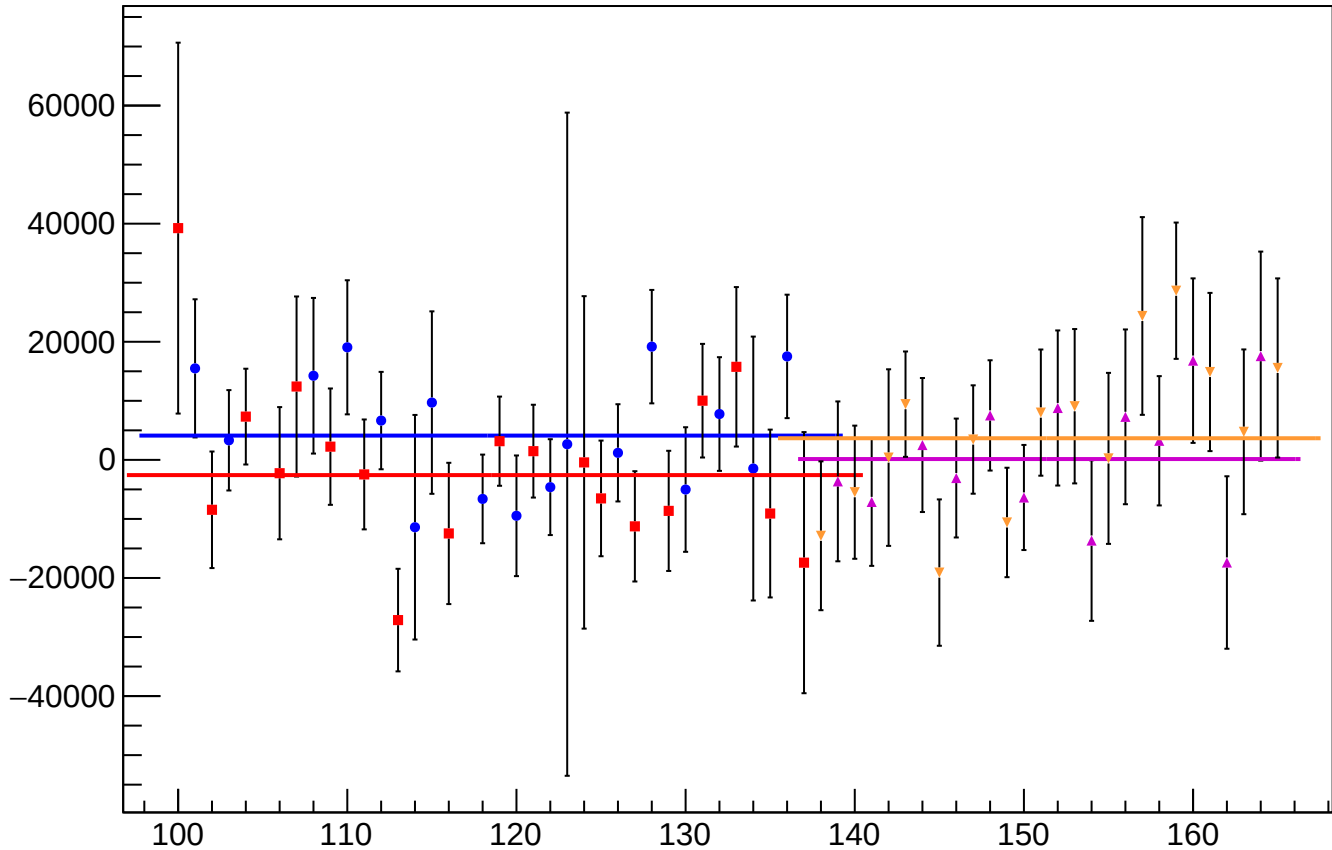
Left In: 9930.744+/-2.224 χ^2/NDF : 632686.4/12

+ sign 1688.545+/-0.539 χ^2/NDF : 25534224.9/31

All: 1420.369+/-0.359 χ^2/NDF : 54188813.1/6

- sign 1208.098+/-0.480 χ^2/NDF : 28211891.1/31

asym_atl2_mean vs Slug



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

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

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

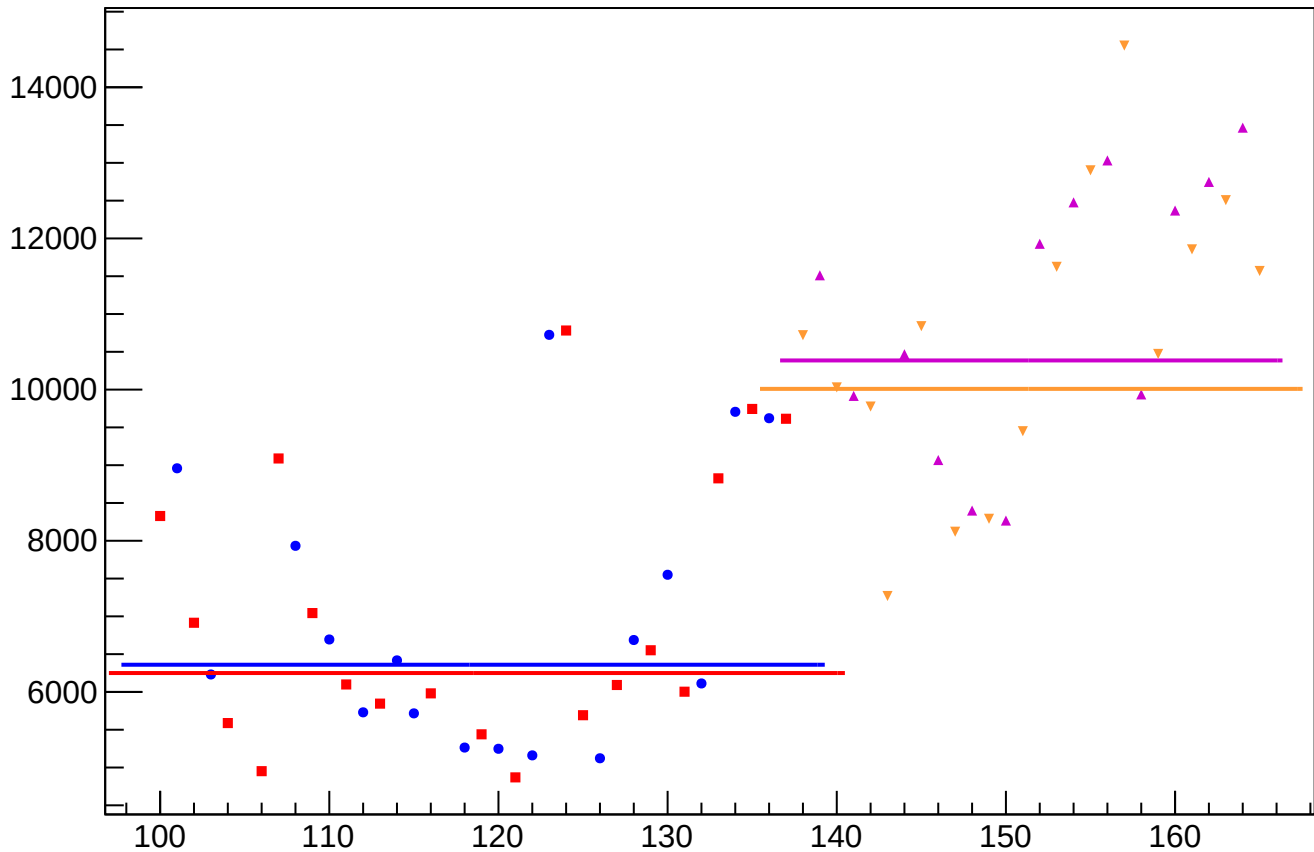
Left In: 140.083 ± 3281.511 $\chi^2/\text{NDF}: 7.5/12$

+ sign 3929.332 ± 1952.082 $\chi^2/\text{NDF}: 30.9/31$

All: 1148.688 ± 1378.852 $\chi^2/\text{NDF}: 62.7/63$

- sign -1620.071 ± 1947.906 $\chi^2/\text{NDF}: 27.8/31$

asym_atl2_rms vs Slug



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

Left Out: 10009.731+/-2.164 χ^2/NDF : 747512.5/14

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

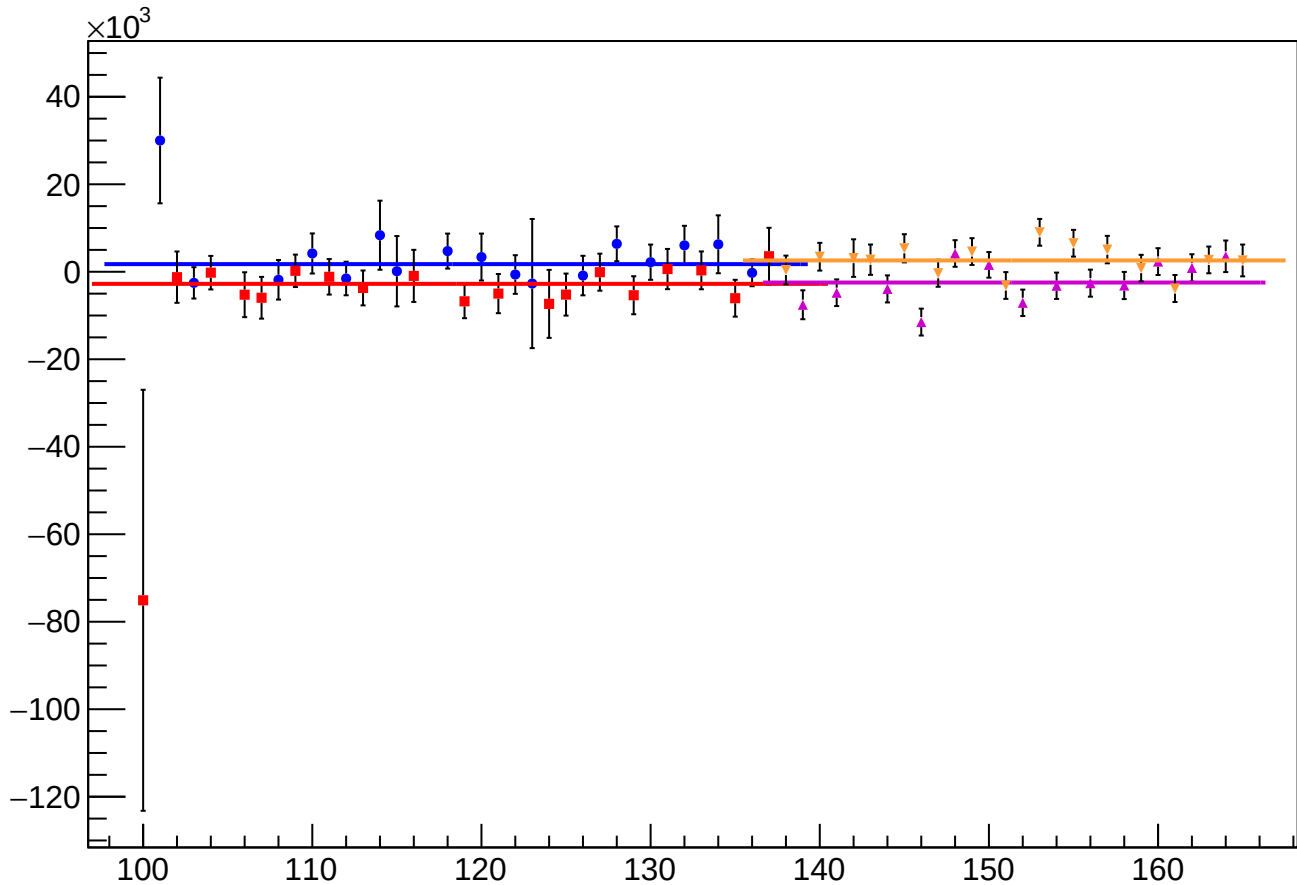
Left In: 10385.809+/-2.320 χ^2/NDF : 551451.8/12

+ sign 7844.512+/-1.380 χ^2/NDF : 3015091.4/31

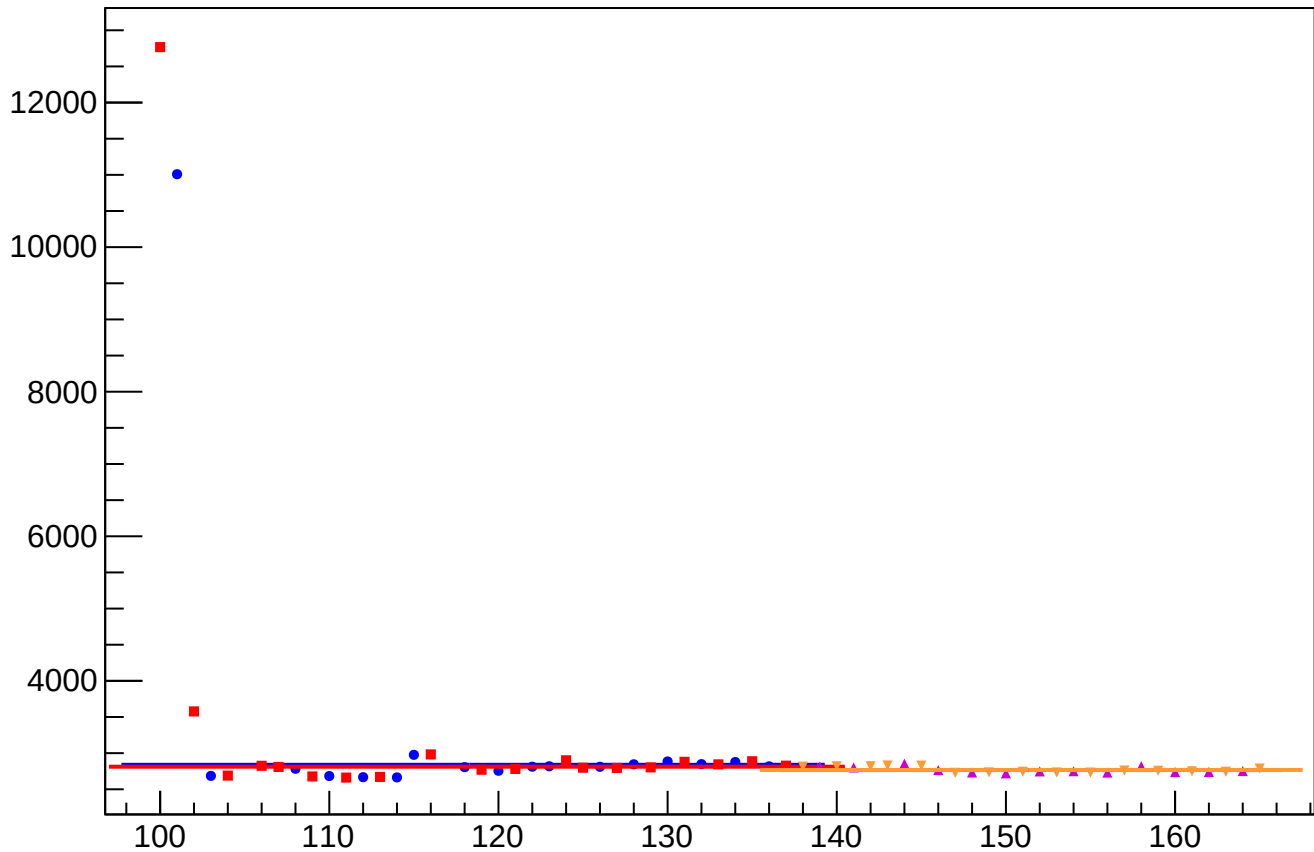
All: 7775.729+/-0.975 χ^2/NDF : 6161964.8/63

- sign 7707.244+/-1.377 χ^2/NDF : 3141917.9/31

reg_asym_atr1_mean vs Slug



reg_asym_atr1_rms vs Slug



Right In: 2838.737+/-0.798 χ^2/NDF : 660209.3/16

Left Out: 2767.347+/-0.586 χ^2/NDF : 4051.4/14

Right Out: 2812.627+/-0.758 χ^2/NDF : 133064.0/18

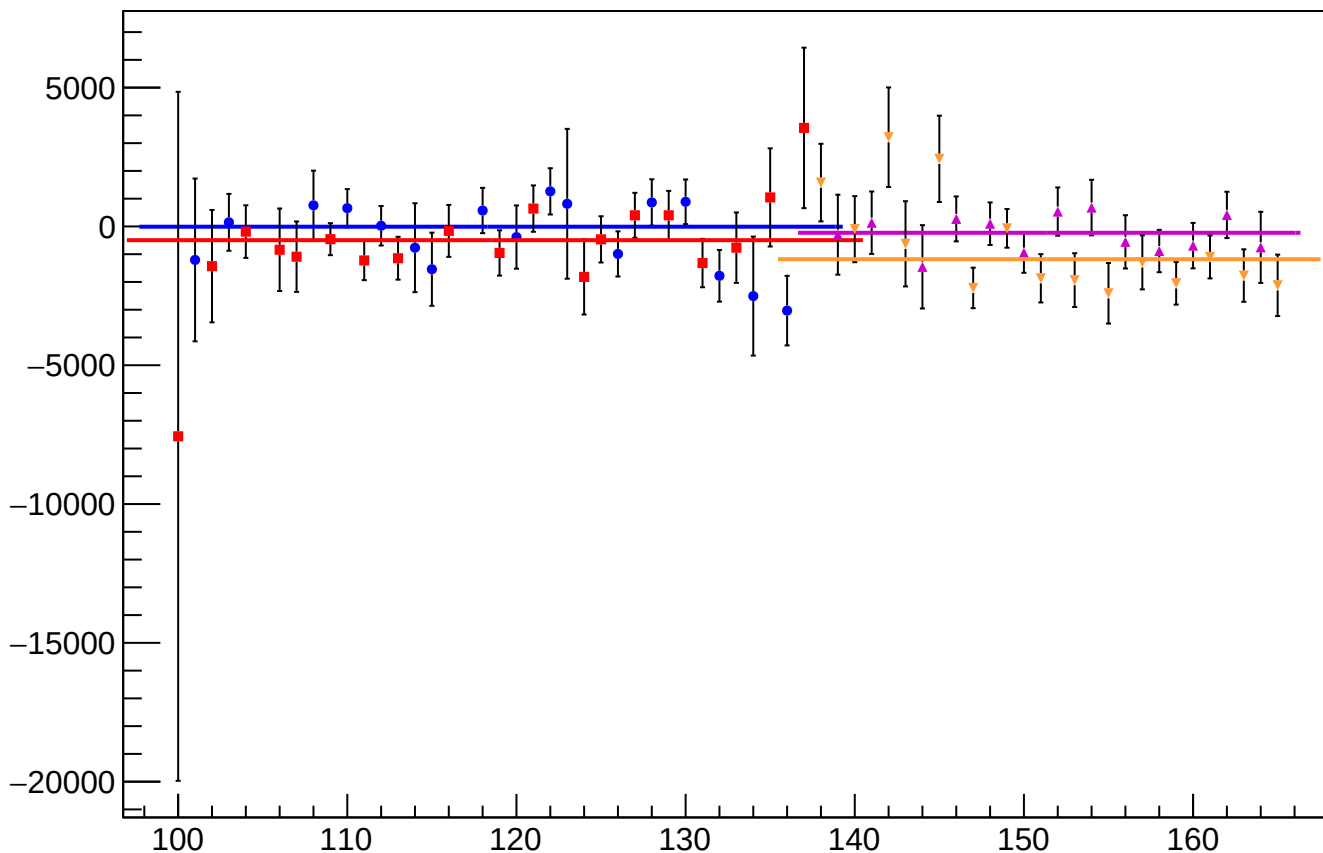
Left In: 2766.268+/-0.609 χ^2/NDF : 4388.2/12

+ sign 2792.351+/-0.472 χ^2/NDF : 669461.2/31

All: 2788.420+/-0.335 χ^2/NDF : 809326.4/63

- sign 2784.449+/-0.475 χ^2/NDF : 139725.9/31

asym_atr1_correction_mean vs Slug



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

Left Out: -1181.176 ± 250.789 χ^2/NDF : 25.7/14

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

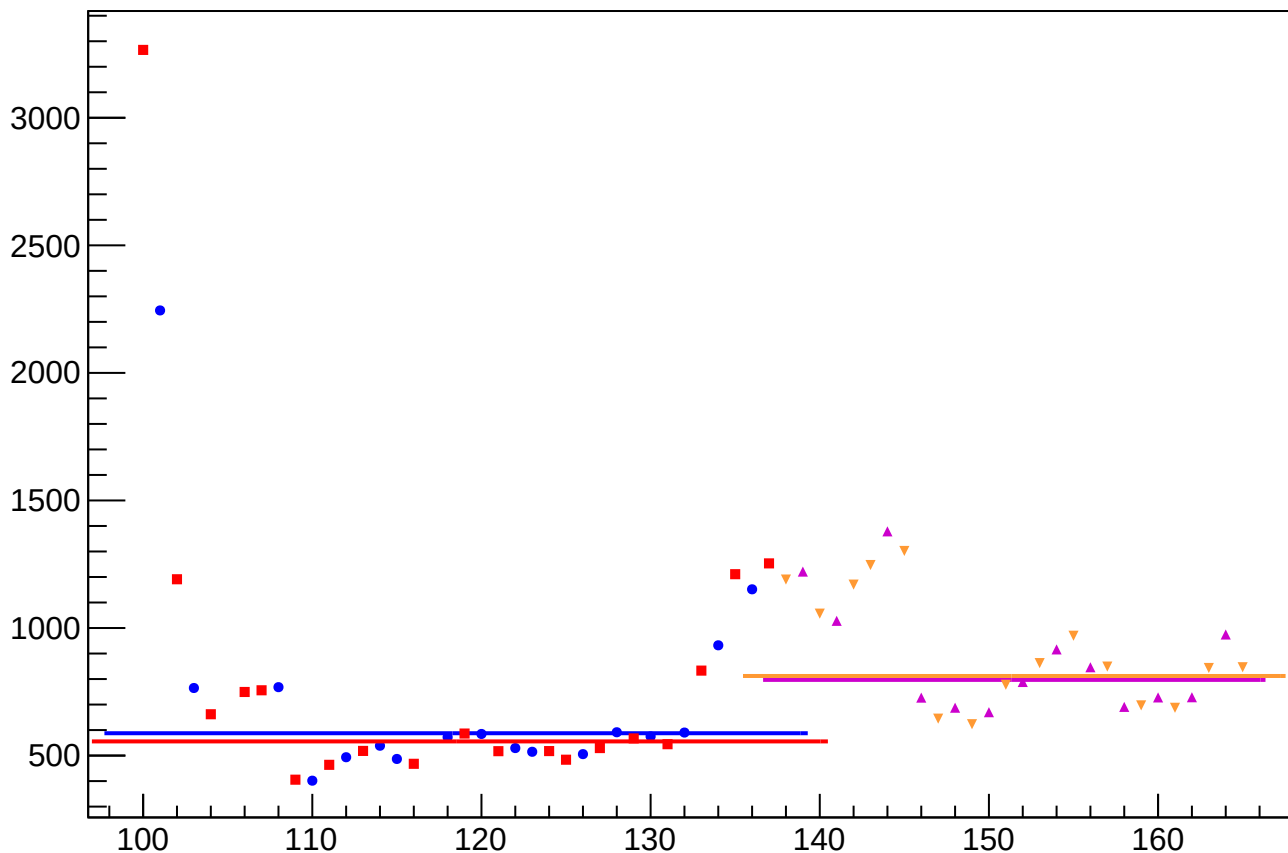
Left In: -228.530 ± 253.694 χ^2/NDF : 5.9/12

+ sign -573.848 ± 174.024 χ^2/NDF : 57.8/31

All: -472.785 ± 120.436 χ^2/NDF : 76.8/63

- sign -379.886 ± 166.847 χ^2/NDF : 18.4/31

asym_atr1_correction_rms vs Slug



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

Left Out: 812.016+/-0.177 χ^2/NDF : 1076872.9/14

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

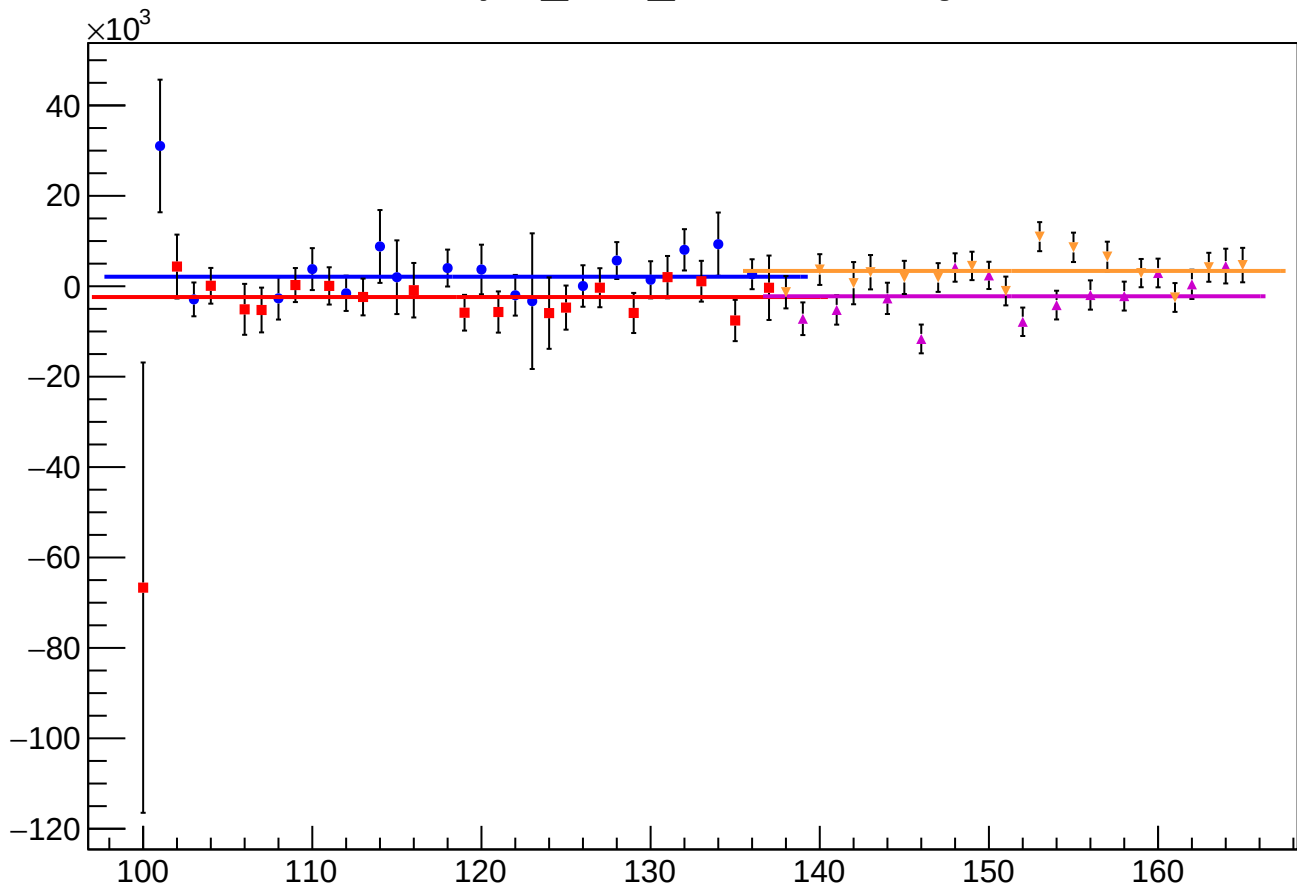
Left In: 796.697+/-0.179 χ^2/NDF : 814756.0/12

+ sign 695.656+/-0.123 χ^2/NDF : 3333027.4/31

All: 676.997+/-0.085 χ^2/NDF : 6324265.3/63

- sign 659.845+/-0.118 χ^2/NDF : 2947109.4/31

asym_atr1_mean vs Slug



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

Left Out: 3389.163 $\pm$ 875.839 χ^2 /NDF:17.2/14

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

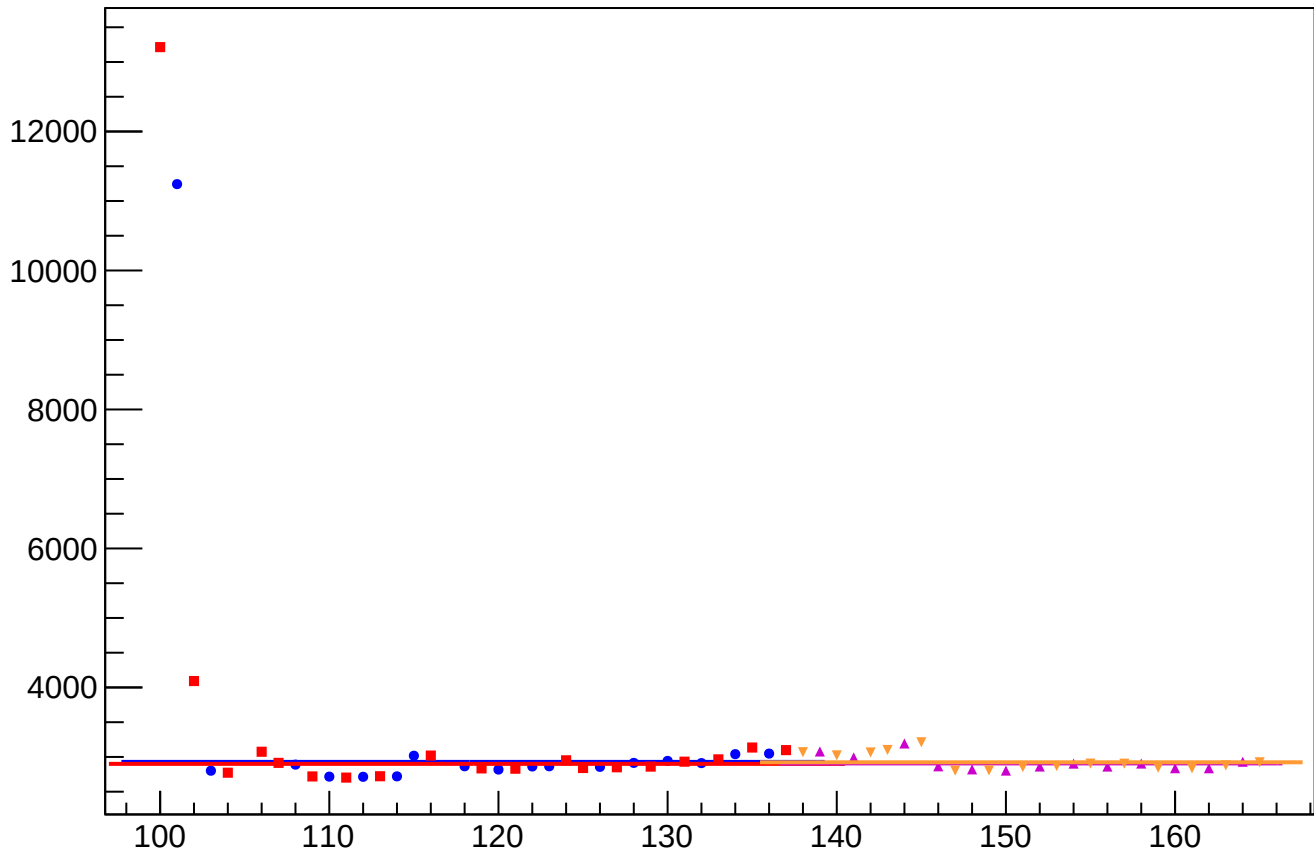
Left In: -2215.794 $\pm$ 905.363 χ^2 /NDF:27.9/12

+ sign 2926.376 $\pm$ 699.924 χ^2 /NDF: 31.4/31

All: 327.736 $\pm$ 495.529 χ^2 /NDF: 96.9/63

- sign -2283.713 $\pm$ 701.647 χ^2 /NDF: 37.9/31

asym_atr1_rms vs Slug



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

Left Out: 2922.911 $\pm$ 0.619 χ^2 /NDF: 33890.5/14

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

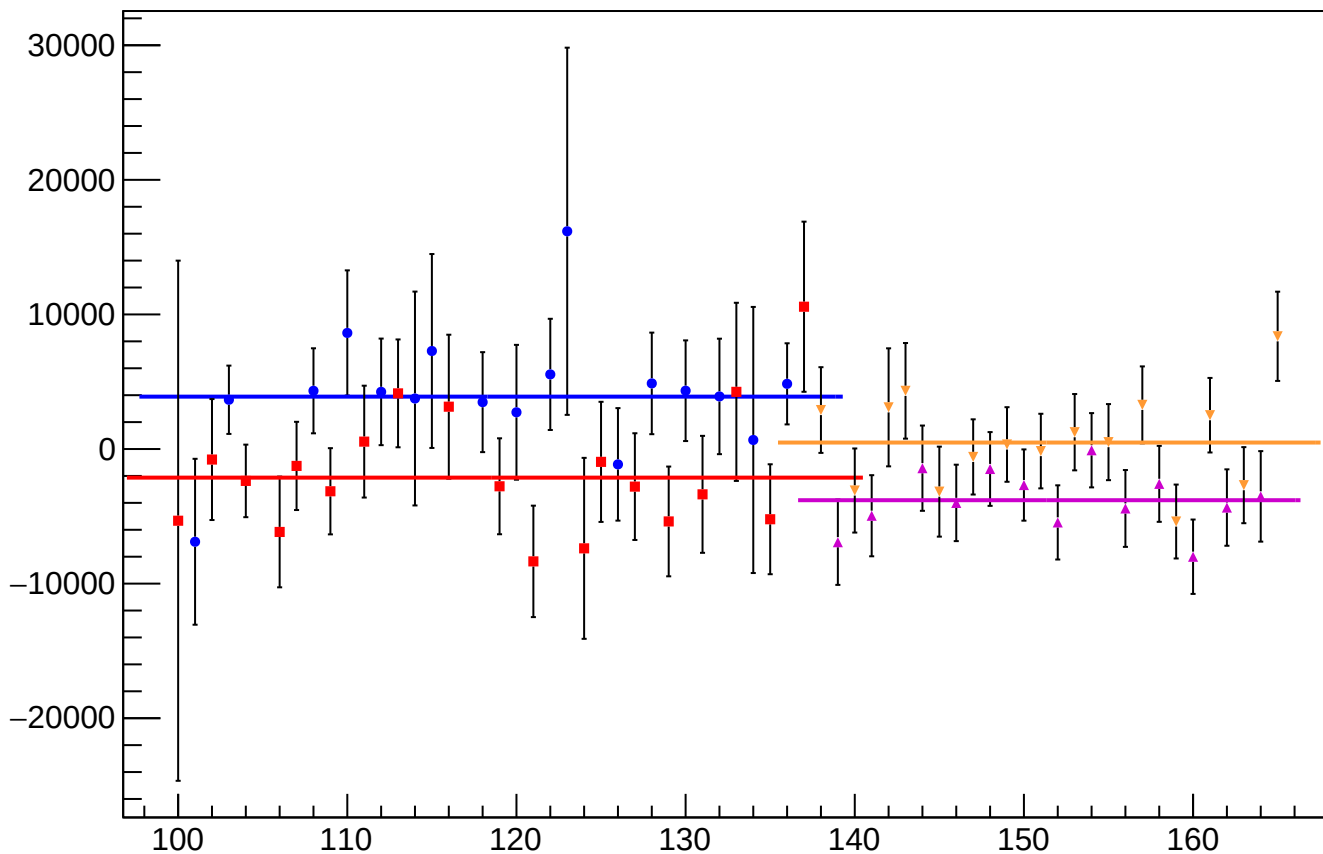
Left In: 2907.015 $\pm$ 0.640 χ^2 /NDF: 26569.5/12

+ sign 2925.003 $\pm$ 0.495 χ^2 /NDF: 696285.0/31

All: 2914.728 $\pm$ 0.350 χ^2 /NDF: 893481.0/63

- sign 2904.402 $\pm$ 0.496 χ^2 /NDF: 196331.9/31

reg_asym_atr2_mean vs Slug



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

Left Out: 481.379+/-775.775 χ^2/NDF : 17.9/14

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

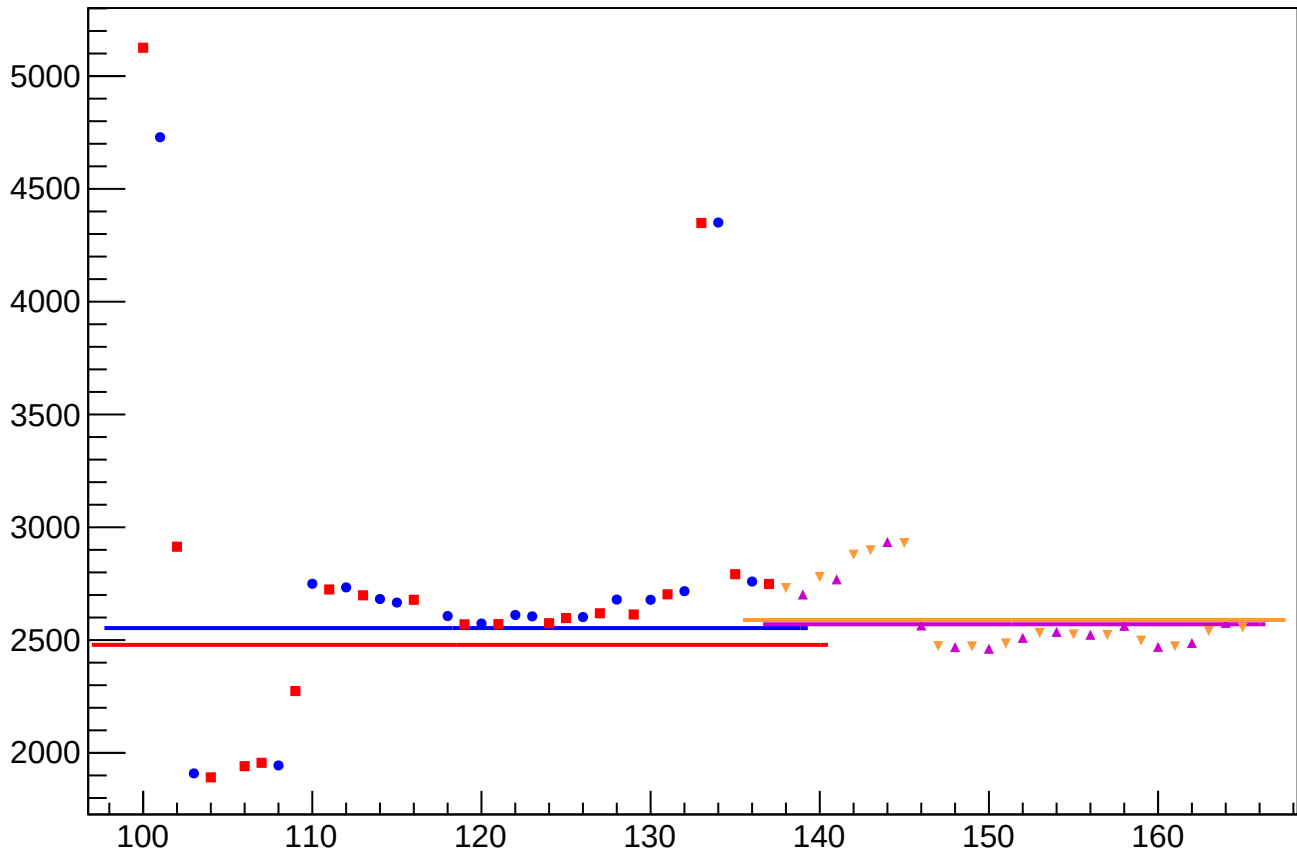
Left In: -3802.712+/-799.667 χ^2/NDF : 7.3/12

+ sign 1744.394+/-615.623 χ^2/NDF : 32.1/31

All: -691.175+/-434.740 χ^2/NDF : 86.9/63

- sign -3114.001+/-614.011 χ^2/NDF : 23.5/31

reg_asym_atr2_rms vs Slug



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

Left Out: 2589.111+/-0.549 χ^2/NDF : 75358.8/14

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

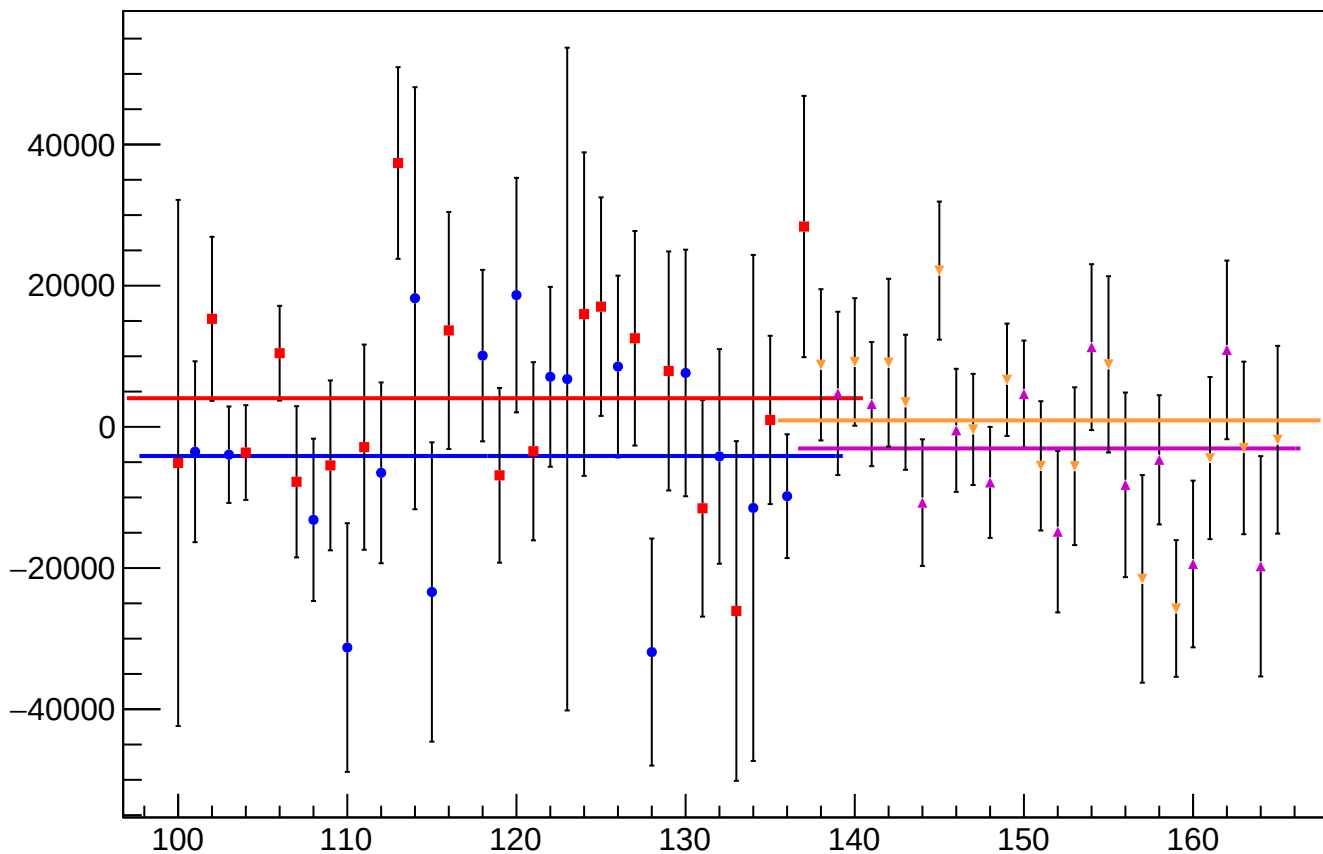
Left In: 2570.212+/-0.565 χ^2/NDF : 50964.4/12

+ sign 2575.844+/-0.435 χ^2/NDF : 622165.4/31

All: 2554.225+/-0.307 χ^2/NDF : 1138265.2/63

- sign 2532.718+/-0.434 χ^2/NDF : 511179.4/31

asym_atr2_correction_mean vs Slug



Right In: -4126.319 ± 3227.044 χ^2/NDF : 13.4/16

Left Out: 918.700 ± 2645.107 χ^2/NDF : 18.7/14

Right Out: 4060.328 ± 2834.326 χ^2/NDF : 18.5/18

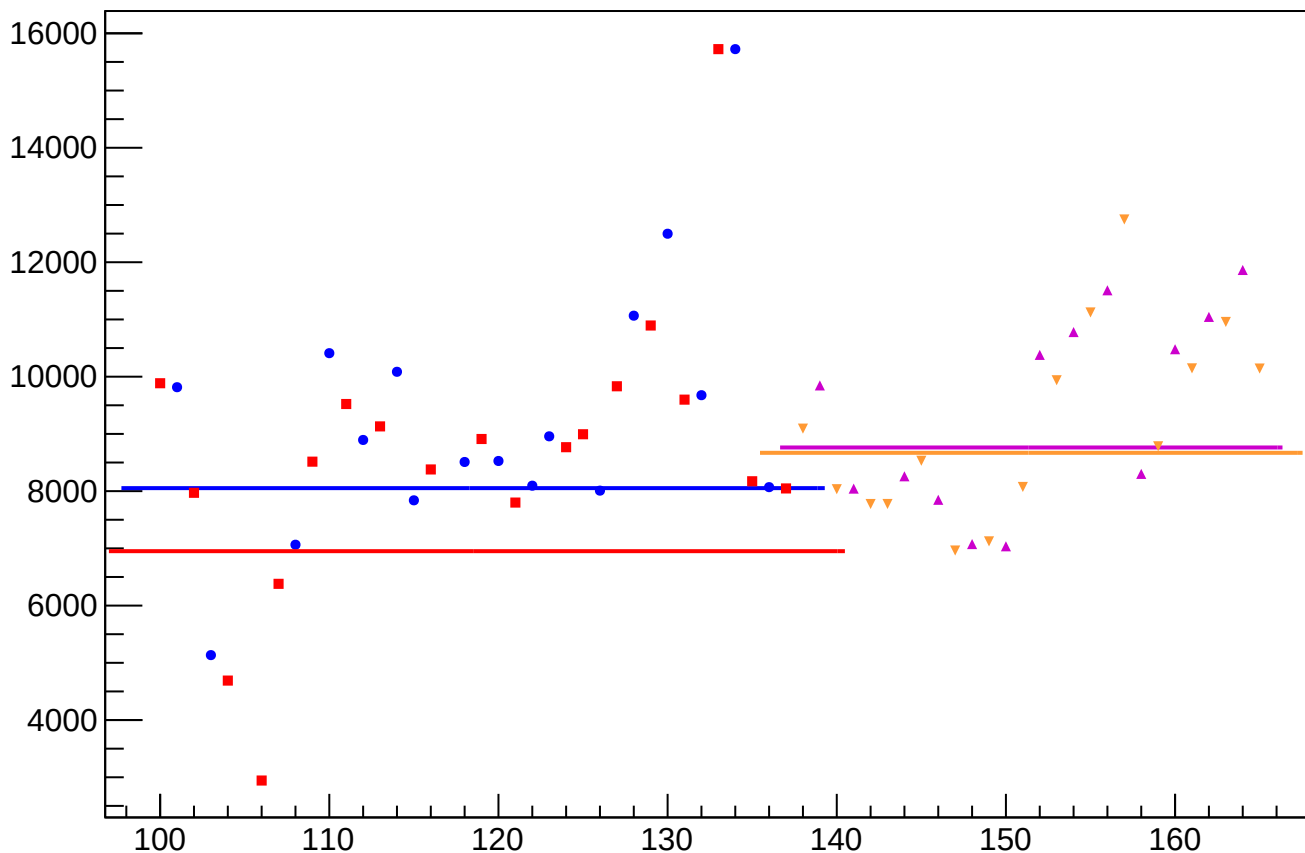
Left In: -3057.802 ± 2775.272 χ^2/NDF : 10.2/12

+ sign -1108.705 ± 2045.708 χ^2/NDF : 33.5/31

All: -317.282 ± 1423.832 χ^2/NDF : 65.7/63

- sign 426.336 ± 1982.963 χ^2/NDF : 31.9/31

asym_atr2_correction_rms vs Slug



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

Left Out: 8669.723+/-1.870 χ^2/NDF : 604955.1/14

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

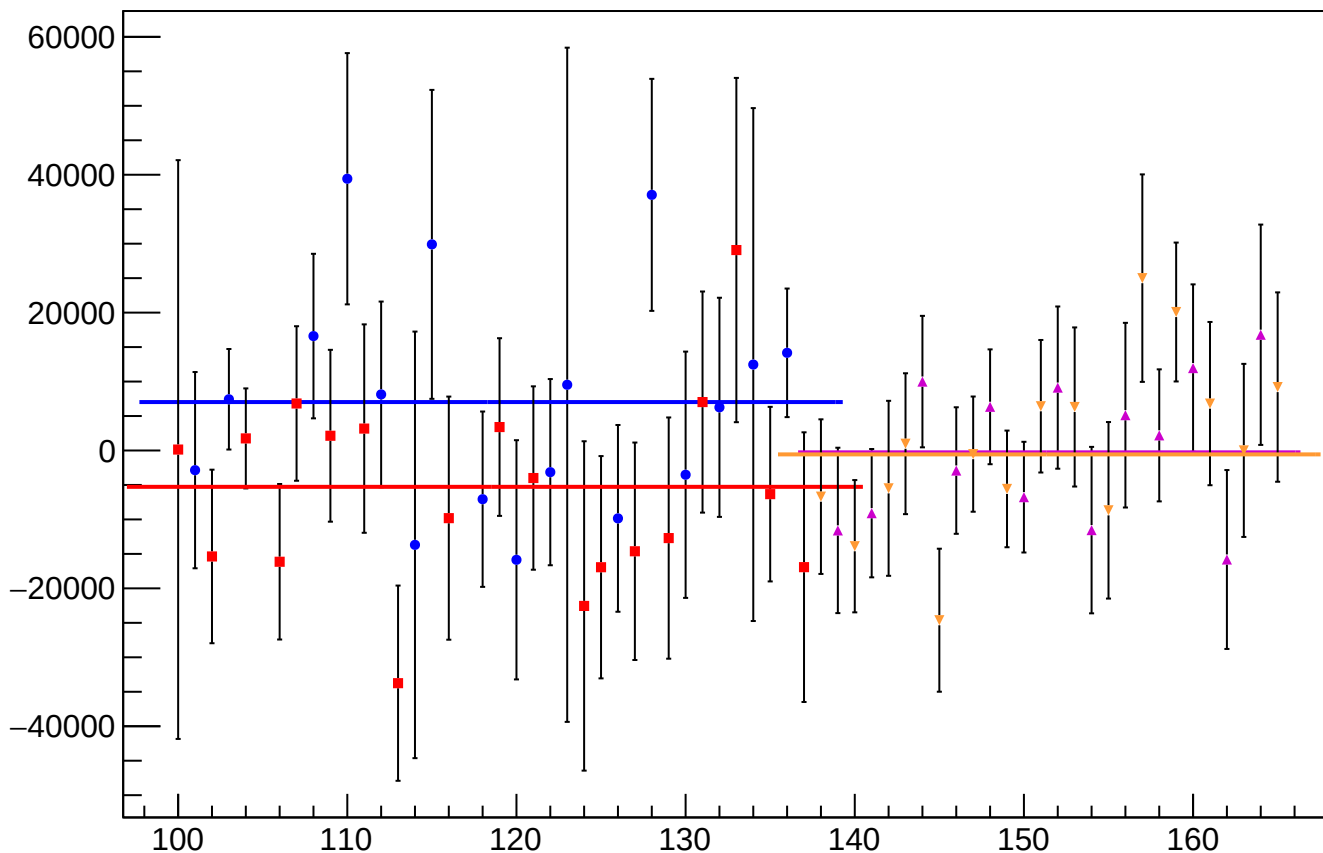
Left In: 8762.870+/-1.962 χ^2/NDF : 634077.4/12

+ sign 8421.705+/-1.447 χ^2/NDF : 1439434.9/31

All: 8140.345+/-1.007 χ^2/NDF : 4340753.7/63

- sign 7875.980+/-1.402 χ^2/NDF : 2827938.5/31

asym_atr2_mean vs Slug



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

Left Out: -565.180+/-2777.104 χ^2/NDF : 17.4/14

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

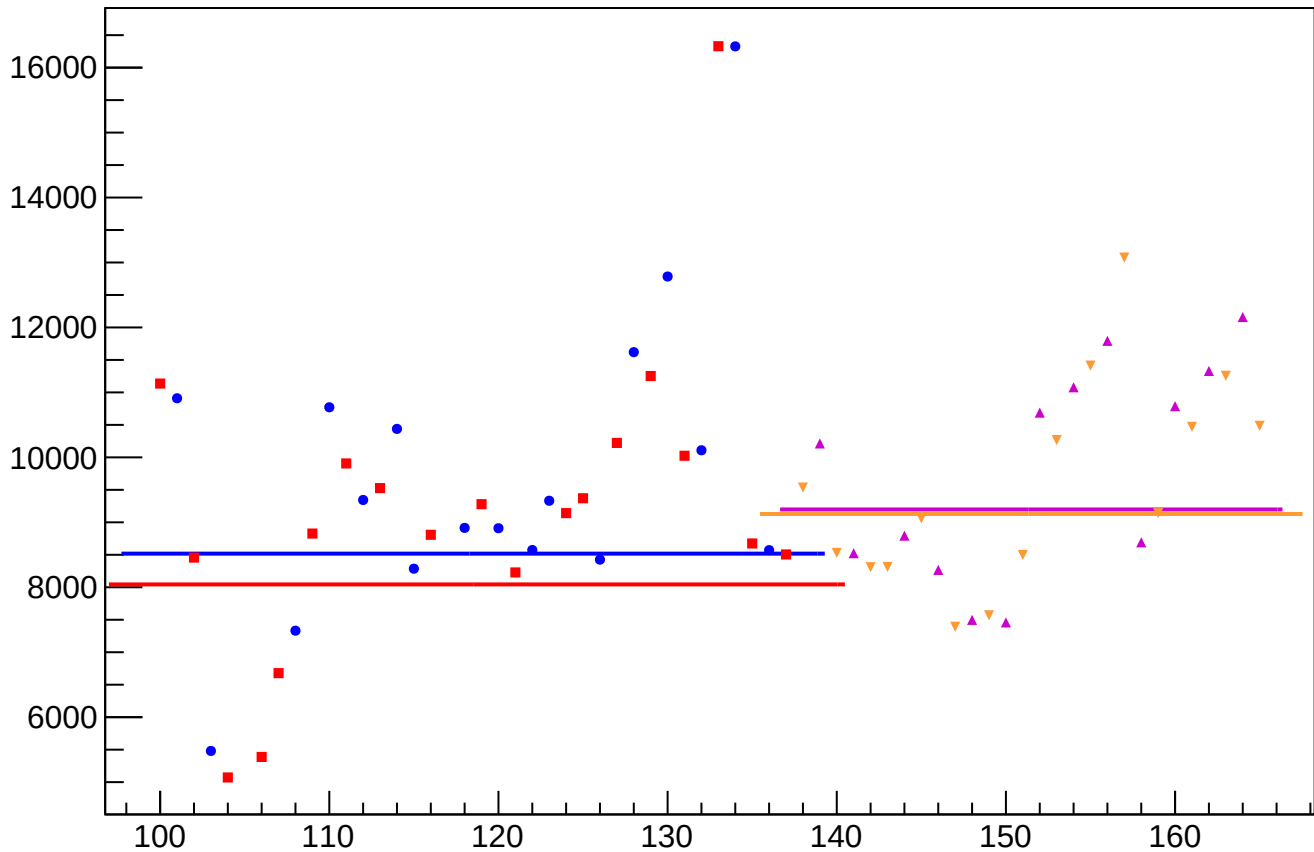
Left In: -268.412+/-2905.143 χ^2/NDF : 9.6/12

+ sign 2462.235+/-2153.217 χ^2/NDF : 35.4/31

All: -59.802+/-1518.293 χ^2/NDF : 62.5/63

- sign -2553.798+/-2141.214 χ^2/NDF : 24.3/31

asym_atr2_rms vs Slug



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

Left Out: 9128.456 $\pm$ 1.964 χ^2 /NDF: 517876.8/14

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

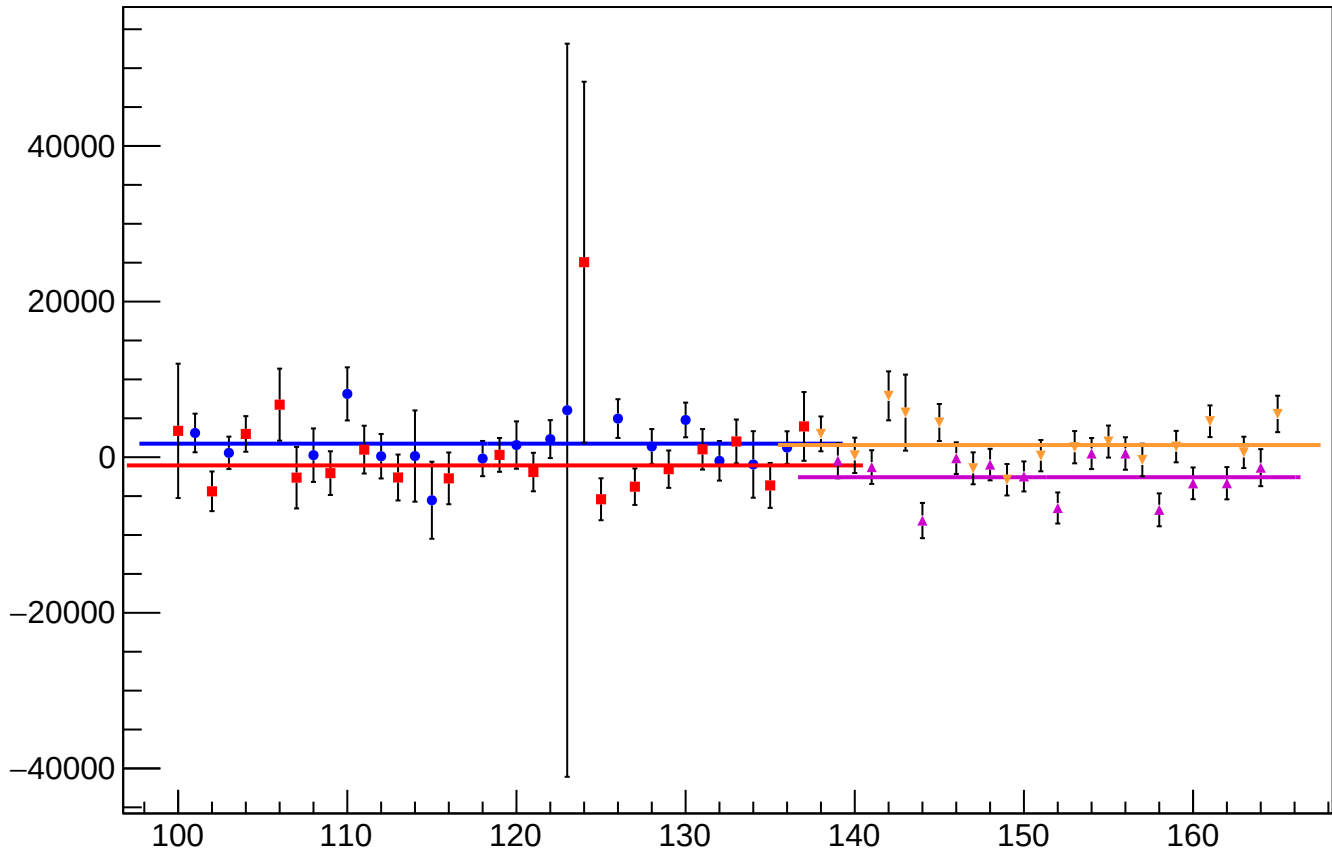
Left In: 9198.003 $\pm$ 2.054 χ^2 /NDF: 544500.8/12

+ sign 8884.937 $\pm$ 1.523 χ^2 /NDF: 1319716.0/31

All: 8777.303 $\pm$ 1.074 χ^2 /NDF: 2970434.7/63

- sign 8670.869 $\pm$ 1.514 χ^2 /NDF: 1640779.4/31

reg_asym_atl_avg_mean vs Slug



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

Left Out: 1563.923 ± 572.443 χ^2/NDF : 20.7/14

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

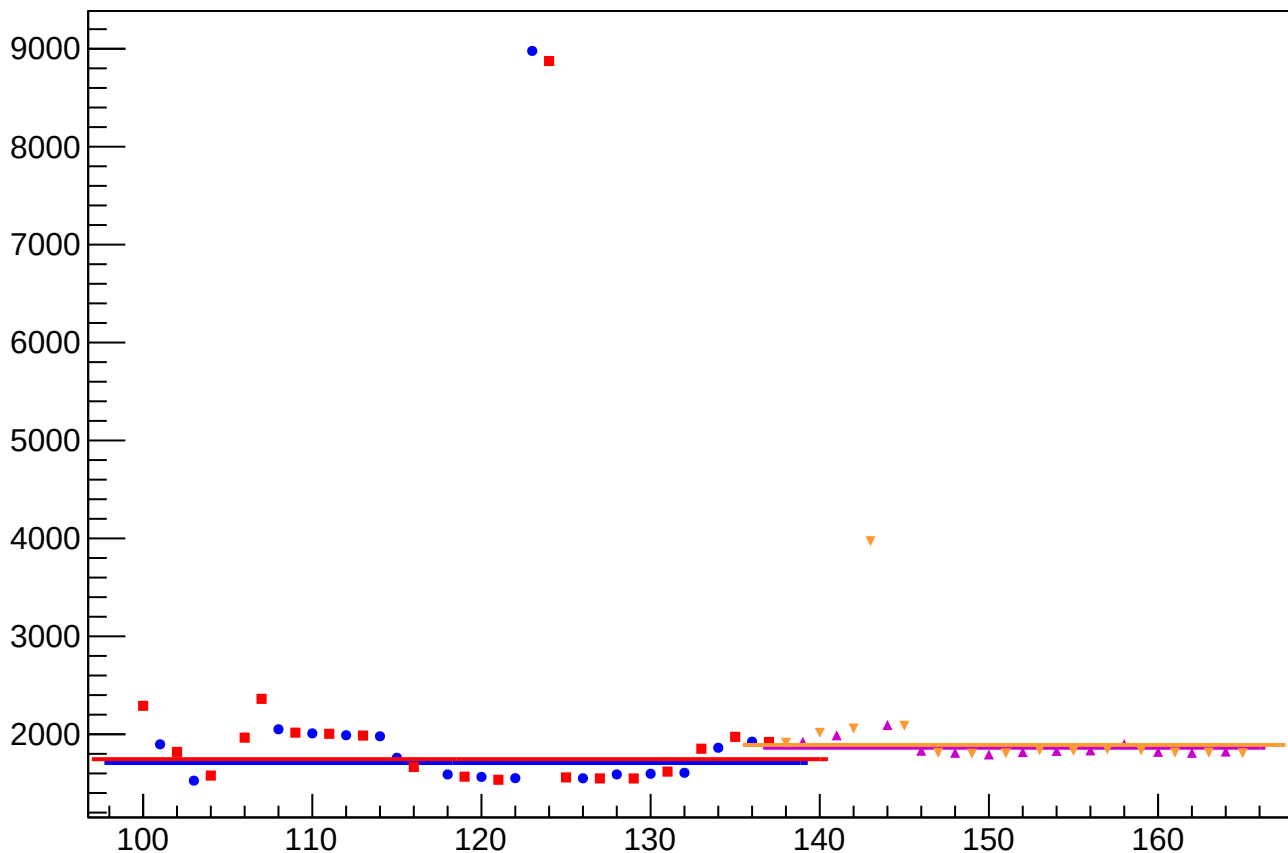
Left In: -2572.385 ± 581.312 χ^2/NDF : 22.2/12

+ sign 1638.018 ± 435.330 χ^2/NDF : 33.2/31

All: -125.618 ± 309.239 χ^2/NDF : 110.3/63

- sign -1922.044 ± 439.358 χ^2/NDF : 44.0/31

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1890.750+/-0.405 χ^2/NDF : 412235.0/14

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

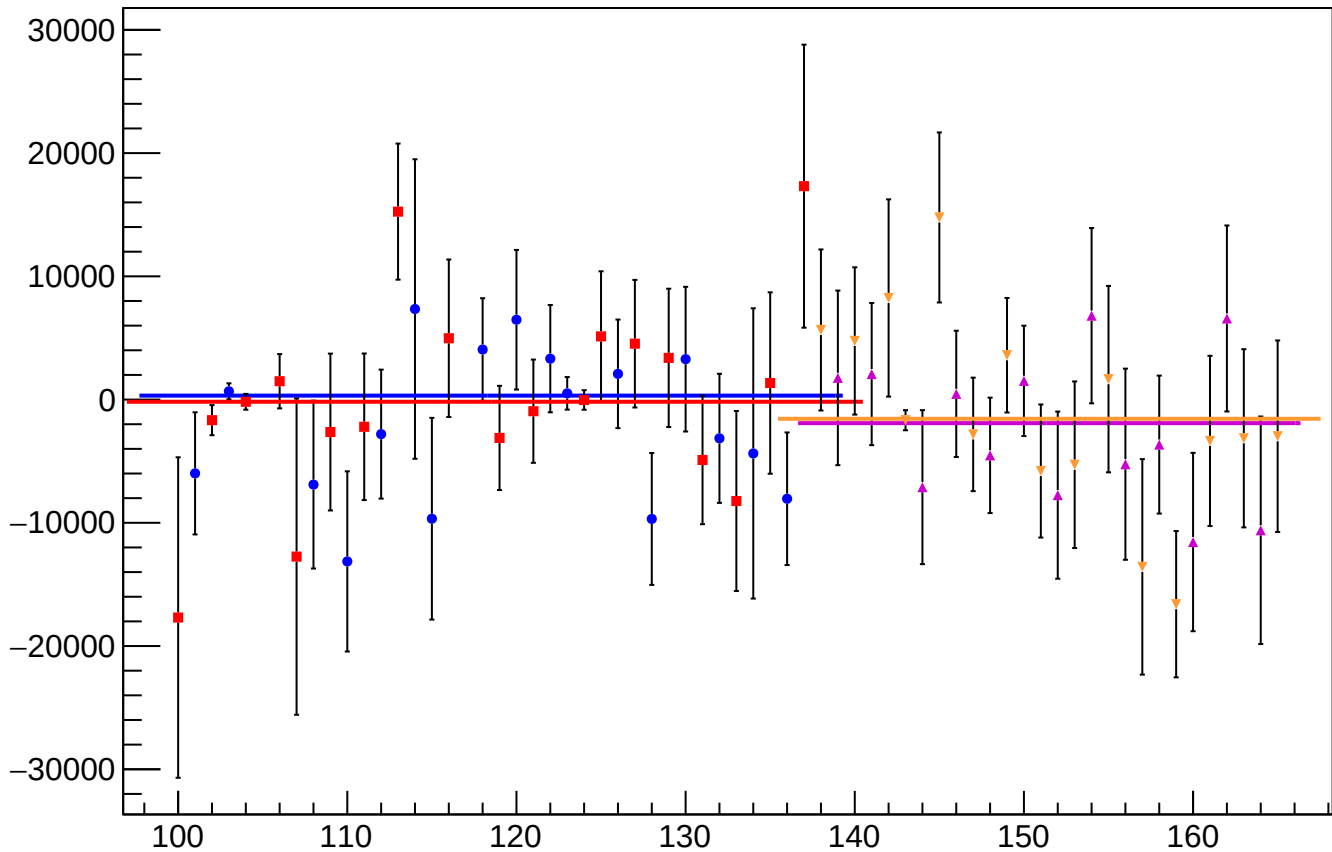
Left In: 1862.549+/-0.411 χ^2/NDF : 38604.9/12

+ sign 1813.211+/-0.308 χ^2/NDF : 696811.6/31

All: 1812.649+/-0.218 χ^2/NDF : 1170218.6/63

- sign 1812.079+/-0.310 χ^2/NDF : 473400.2/31

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1559.239 $\pm$ 733.258 χ^2 /NDF:20.3/14

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

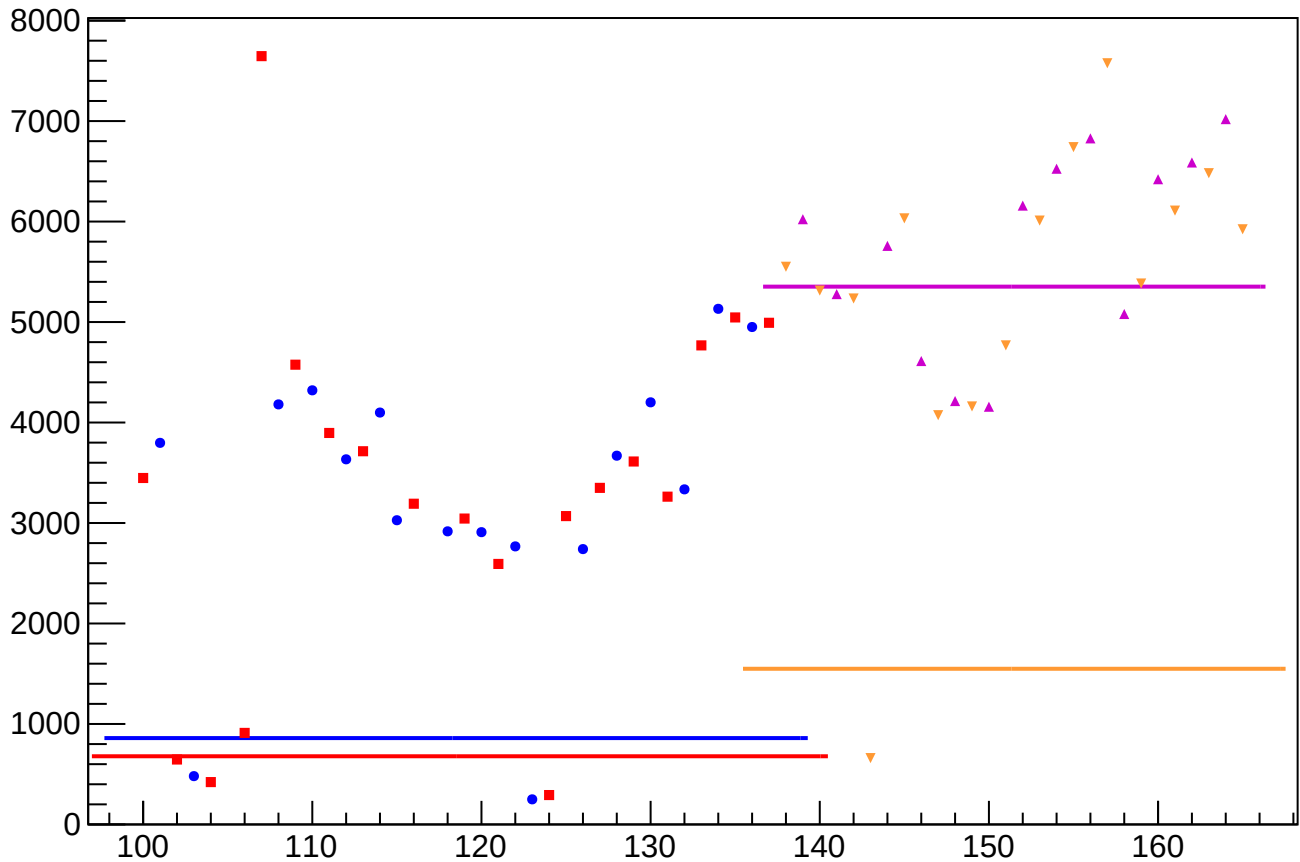
Left In: -1913.807 $\pm$ 1696.037 χ^2 /NDF:9.0/12

+ sign -340.834 $\pm$ 435.014 χ^2 /NDF: 42.6/31

All: -311.004 $\pm$ 302.170 χ^2 /NDF: 73.4/63

- sign -283.192 $\pm$ 420.045 χ^2 /NDF: 30.8/31

asym_atl_avg_correction_rms vs Slug



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

Left Out: 1549.336 $\pm$ 0.518 χ^2 /NDF:13167357.1/14

+ sign 1102.331 $\pm$ 0.308 χ^2 /NDF: 22457553.7/31

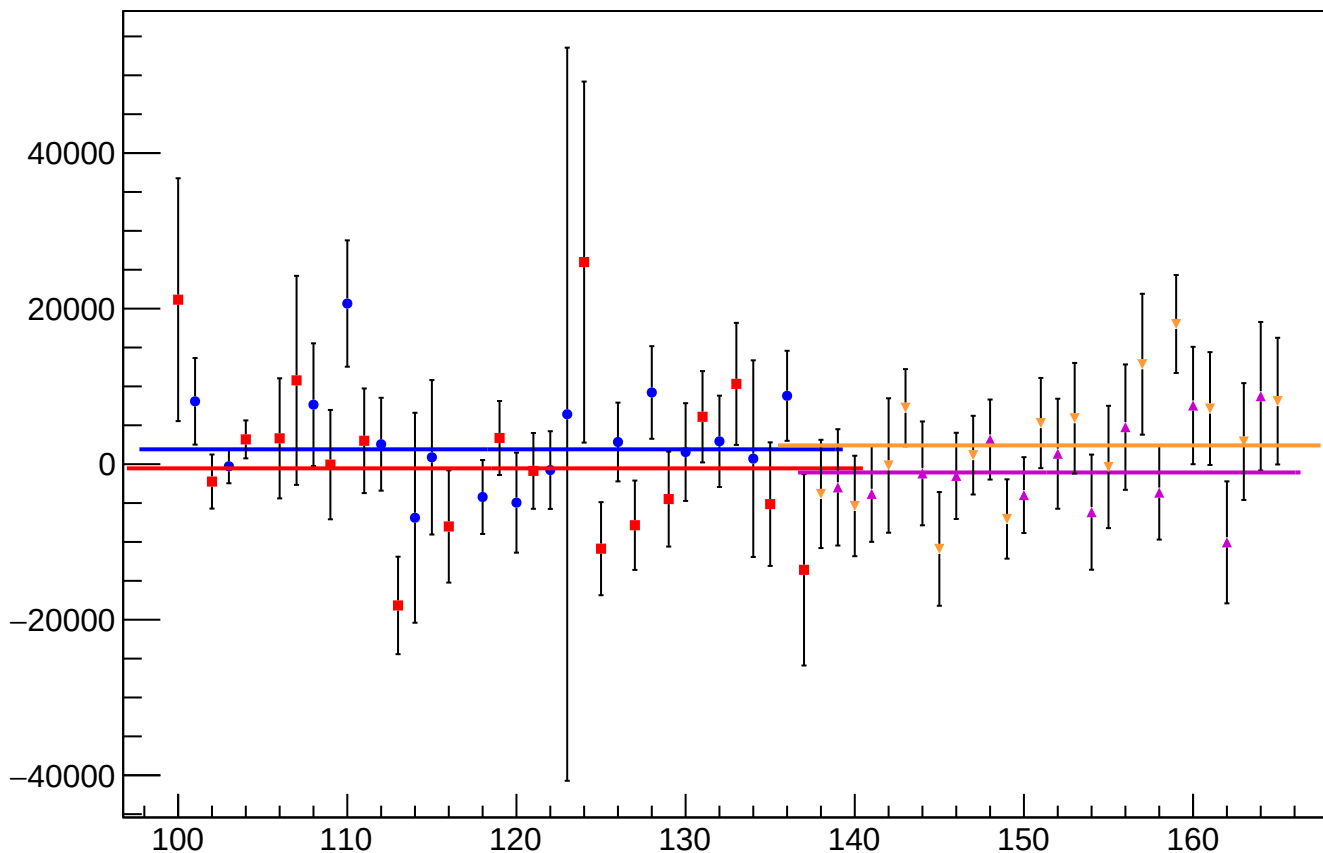
Right Out: 678.603 $\pm$ 0.307 χ^2 /NDF: 8384814.2/18

All: 1031.404 $\pm$ 0.214 χ^2 /NDF: 45852555.9/6

- sign 965.273 $\pm$ 0.297 χ^2 /NDF: 23292261.3/31

Left In: 5352.315 $\pm$ 1.199 χ^2 /NDF:651600.0/12

asym_atl_avg_mean vs Slug



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

Left Out: 2413.749+/-1691.036 χ^2/NDF : 19.1/14

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

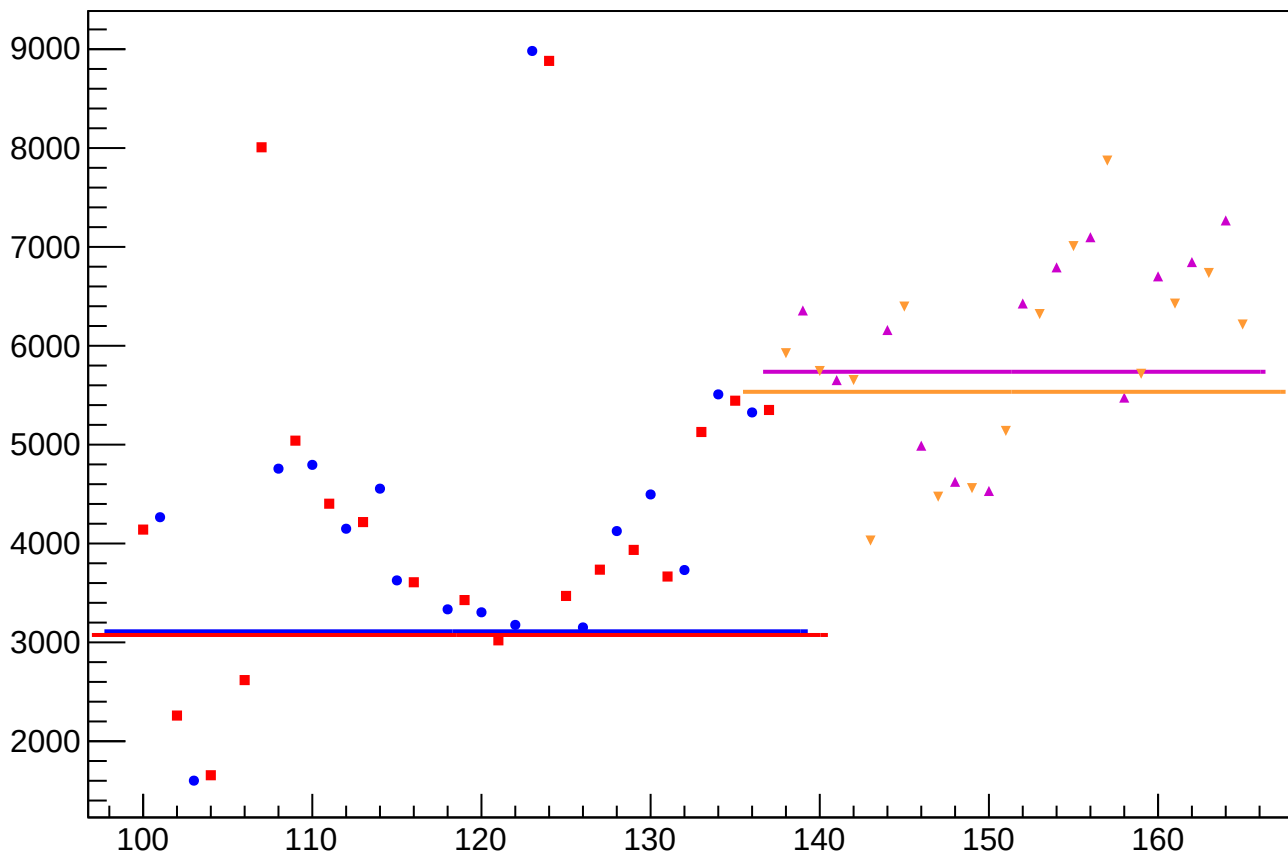
Left In: -1064.994+/-1811.714 χ^2/NDF : 6.3/12

+ sign 2098.561+/-1035.716 χ^2/NDF : 33.8/31

All: 708.855+/-736.864 χ^2/NDF : 70.1/63

- sign -715.561+/-1048.570 χ^2/NDF : 32.7/31

asym_atl_avg_rms vs Slug



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

Left Out: 5534.361+/-1.196 χ^2/NDF : 715875.3/14

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

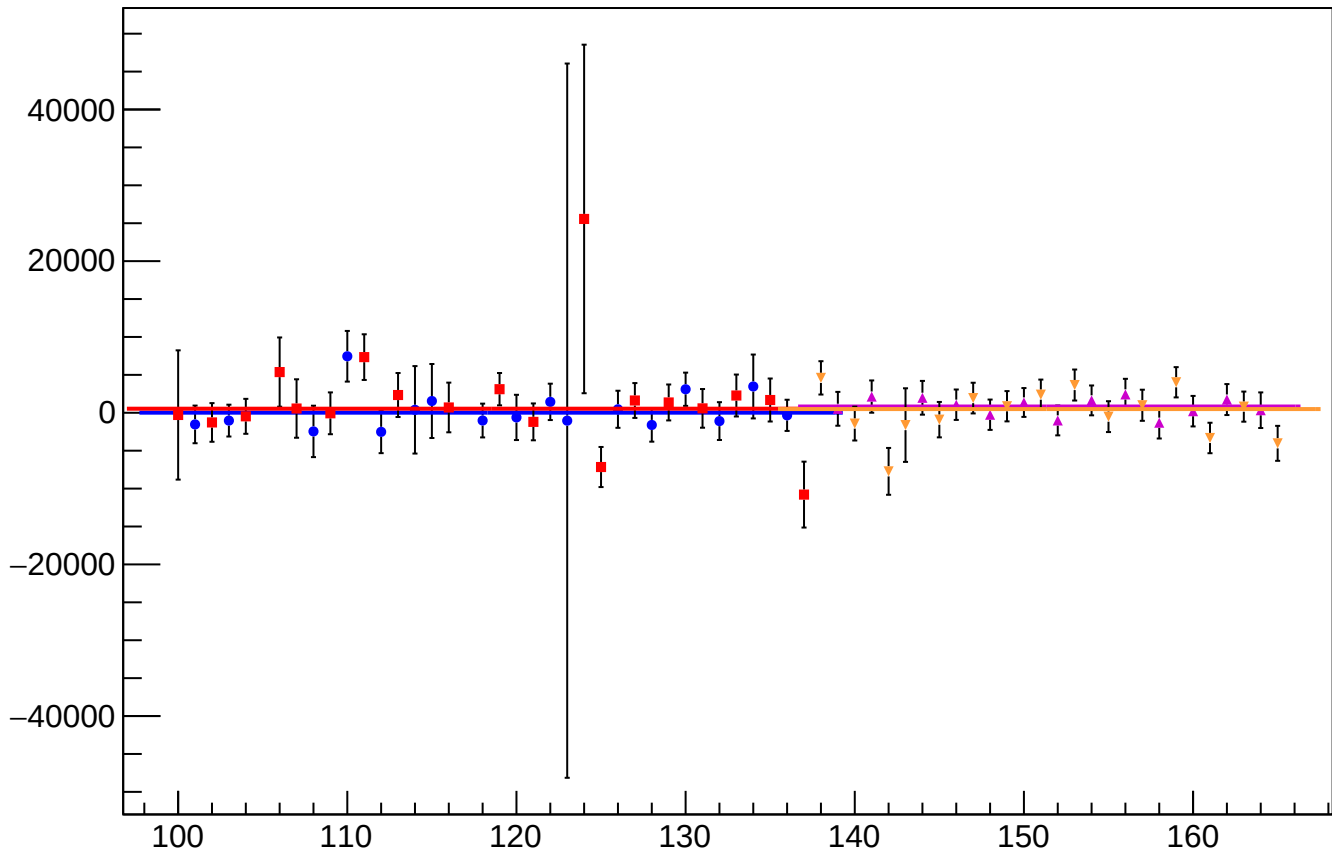
Left In: 5736.986+/-1.281 χ^2/NDF : 518841.7/12

+ sign 4020.572+/-0.732 χ^2/NDF : 5160272.7/31

All: 3985.054+/-0.519 χ^2/NDF : 10589289.3/6

- sign 3949.351+/-0.734 χ^2/NDF : 5424300.2/31

reg_asym_atl_dd_mean vs Slug



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

Left Out: 488.786+/-563.857 χ^2/NDF : 26.6/14

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

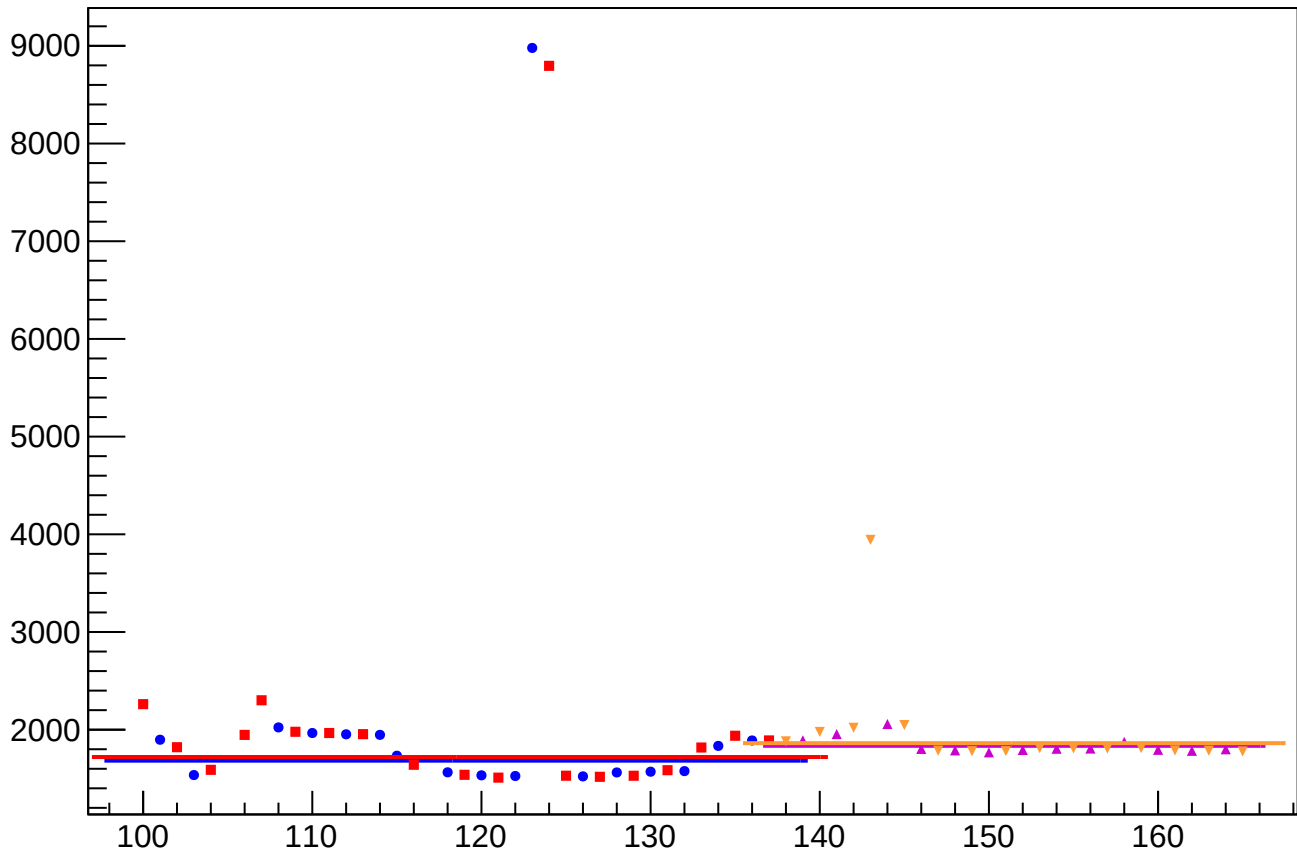
Left In: 825.514+/-572.741 χ^2/NDF : 4.1/12

+ sign 288.898+/-429.009 χ^2/NDF : 38.0/31

All: 493.600+/-304.720 χ^2/NDF : 69.4/63

- sign 702.026+/-432.895 χ^2/NDF : 30.9/31

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1862.304+/-0.399 χ^2/NDF : 414354.7/14

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

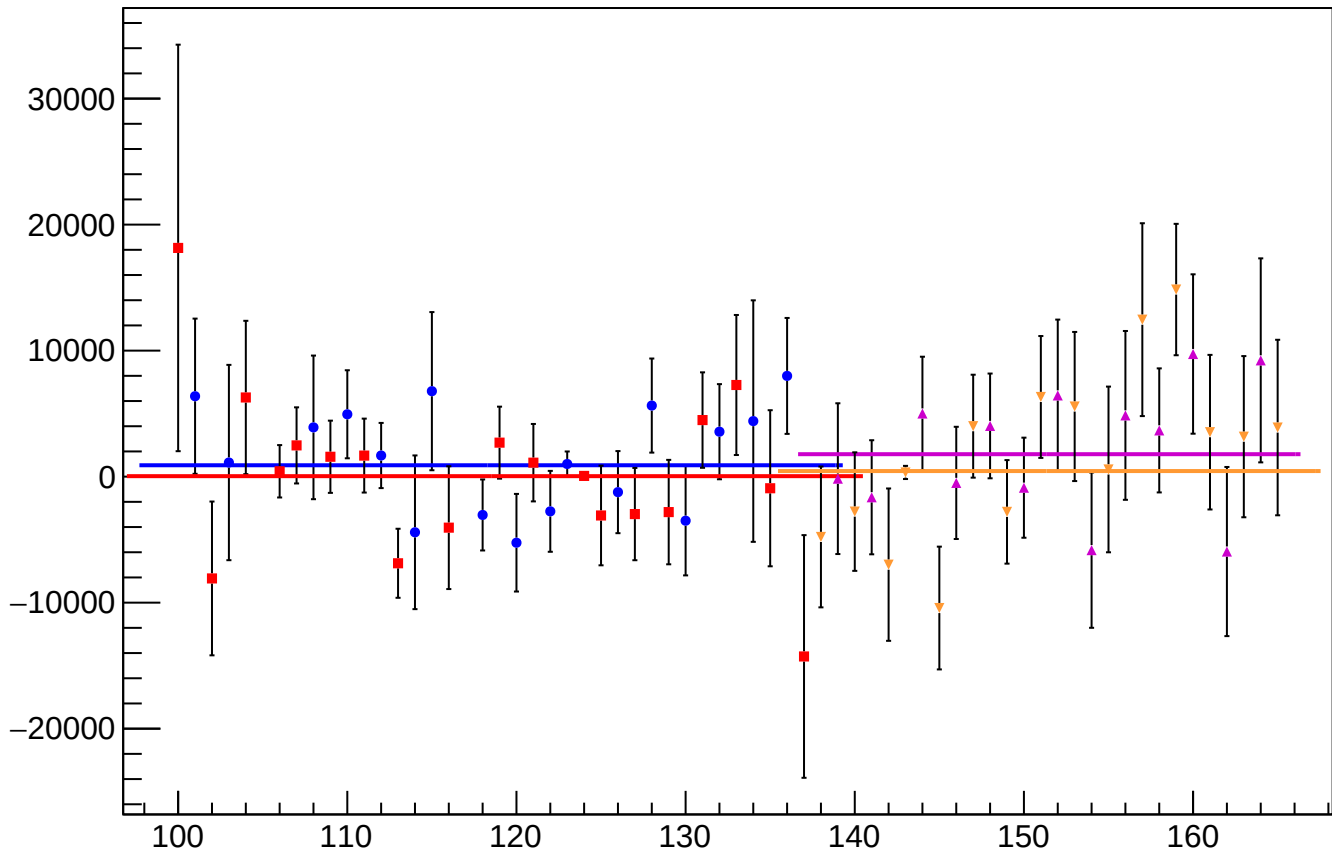
Left In: 1835.125+/-0.405 χ^2/NDF : 36837.7/12

+ sign 1786.906+/-0.303 χ^2/NDF : 695169.3/31

All: 1786.301+/-0.215 χ^2/NDF : 1162701.8/63

- sign 1785.687+/-0.306 χ^2/NDF : 467524.5/31

asym_atl_dd_correction_mean vs Slug



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

Left Out: 442.916+/-490.930 χ^2/NDF : 22.3/14

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

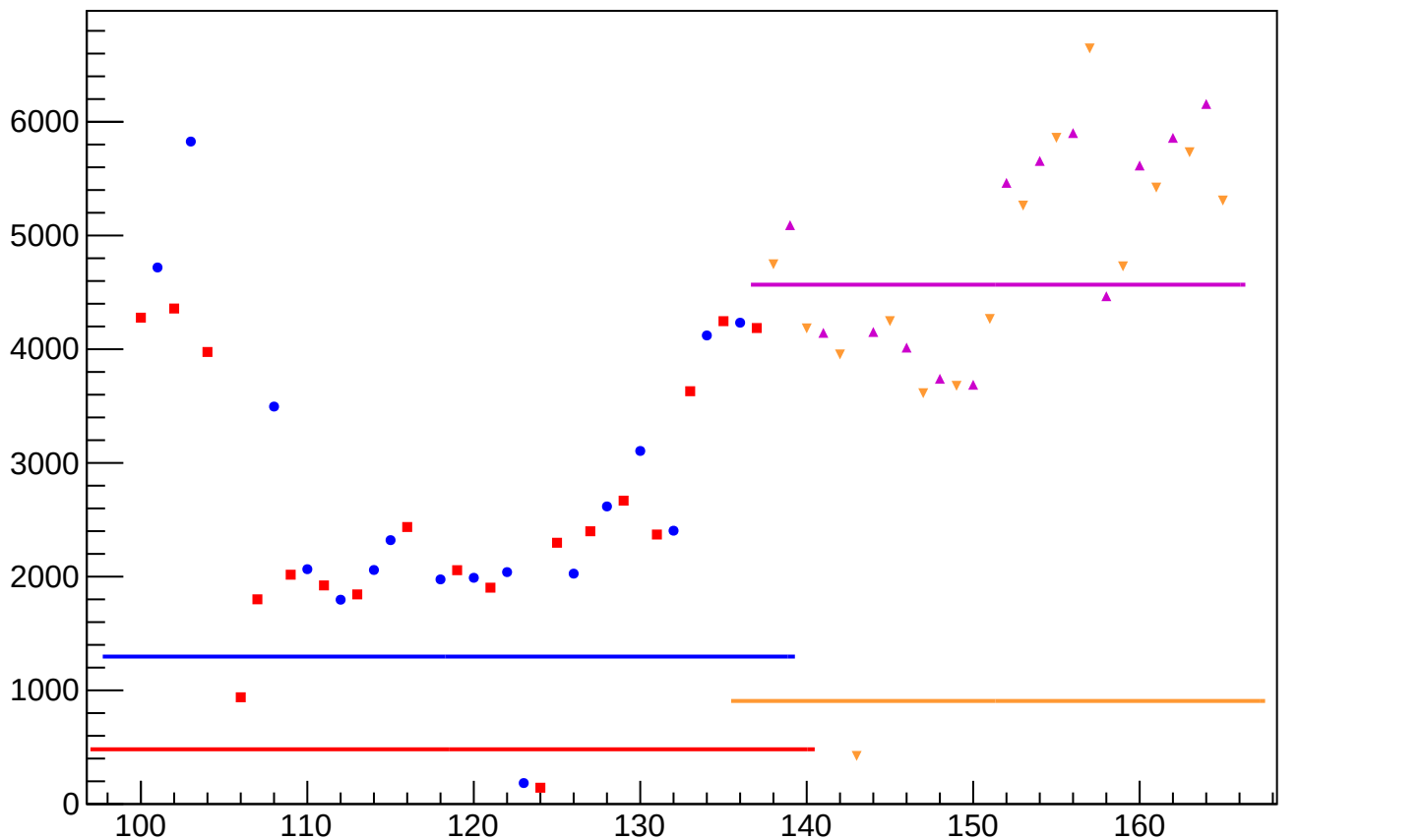
Left In: 1781.458+/-1446.825 χ^2/NDF : 8.4/12

+ sign 593.111+/-402.979 χ^2/NDF : 38.6/31

All: 331.787+/-262.847 χ^2/NDF : 69.6/63

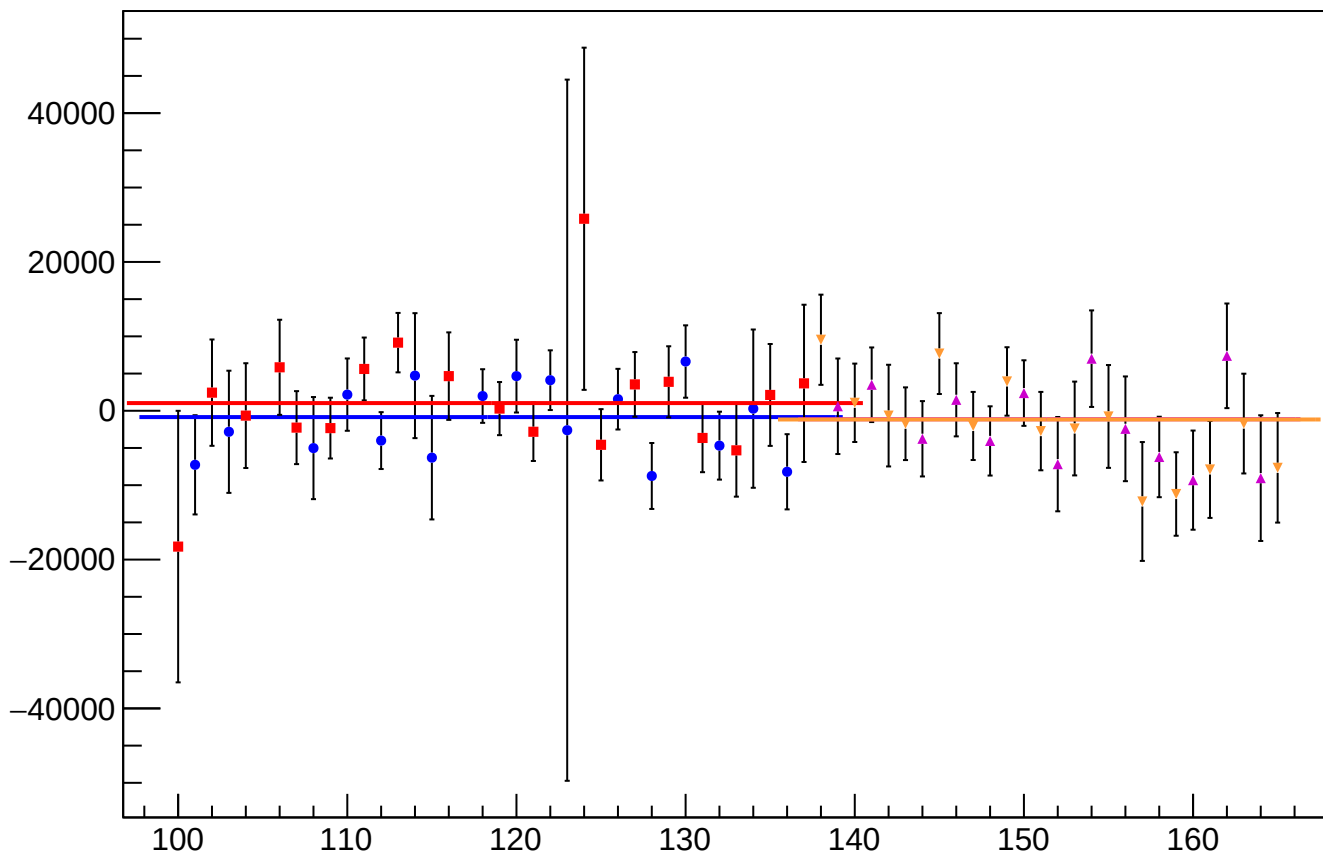
- sign 138.285+/-346.766 χ^2/NDF : 30.3/31

asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499	χ^2/NDF : 6509608.5/16	+ sign 1034.020+/-0.285	χ^2/NDF : 22192286.3/31
Left Out: 906.700+/-0.347	χ^2/NDF : 15270304.6/14	All: 851.467+/-0.186	χ^2/NDF : 48736870.8/63
Right Out: 481.577+/-0.253	χ^2/NDF : 10144170.1/18	- sign 716.291+/-0.245	χ^2/NDF : 25830234.9/31
Left In: 4567.577+/-1.023	χ^2/NDF : 651110.2/12		

asym_atl_dd_mean vs Slug



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

Left Out: -1171.160 ± 1491.713 χ^2/NDF : 14.3/14

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

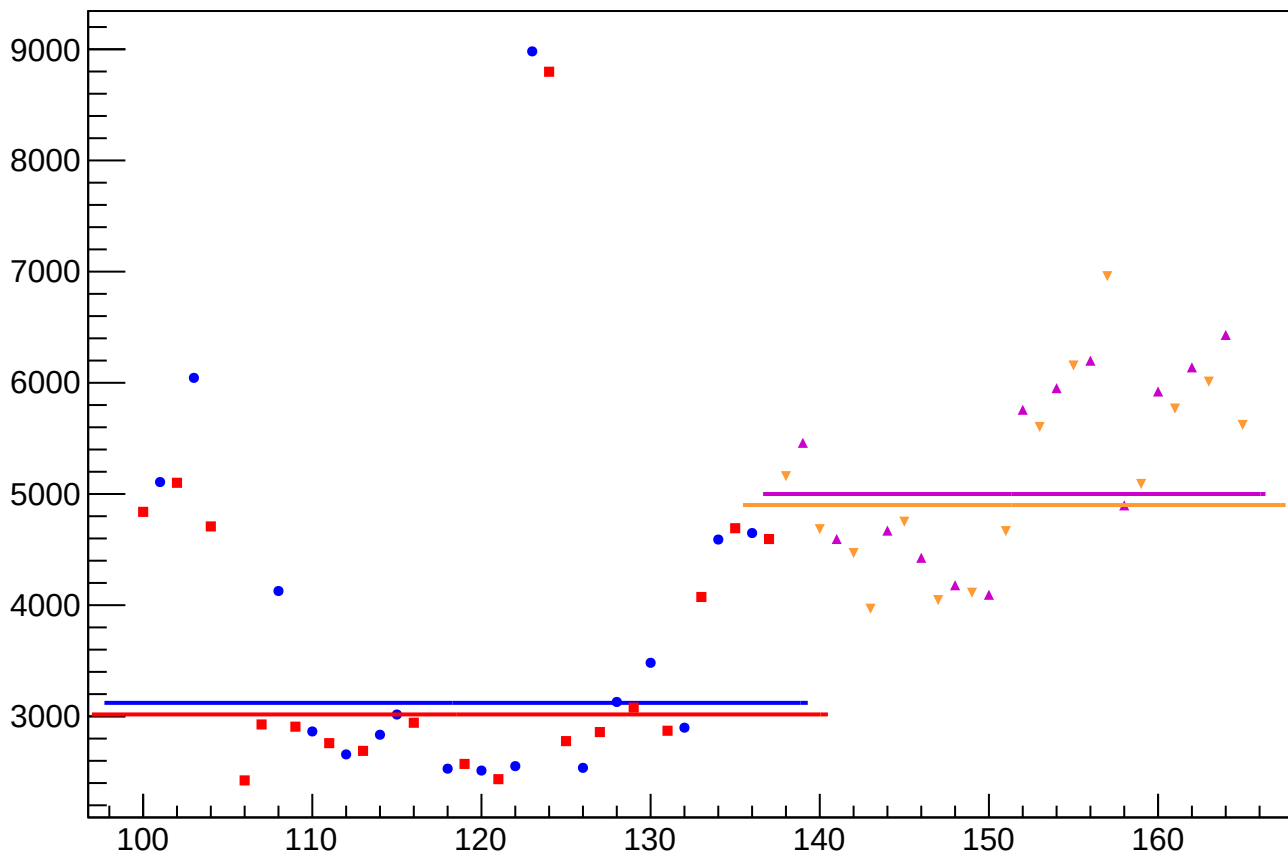
Left In: -1138.833 ± 1577.075 χ^2/NDF : 9.8/12

+ sign -983.487 ± 963.030 χ^2/NDF : 29.8/31

All: -361.265 ± 676.412 χ^2/NDF : 56.6/63

- sign 244.590 ± 950.279 χ^2/NDF : 26.0/31

asym_atl_dd_rms vs Slug



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

Left Out: 4900.569+/-1.055 χ^2/NDF : 557487.0/14

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

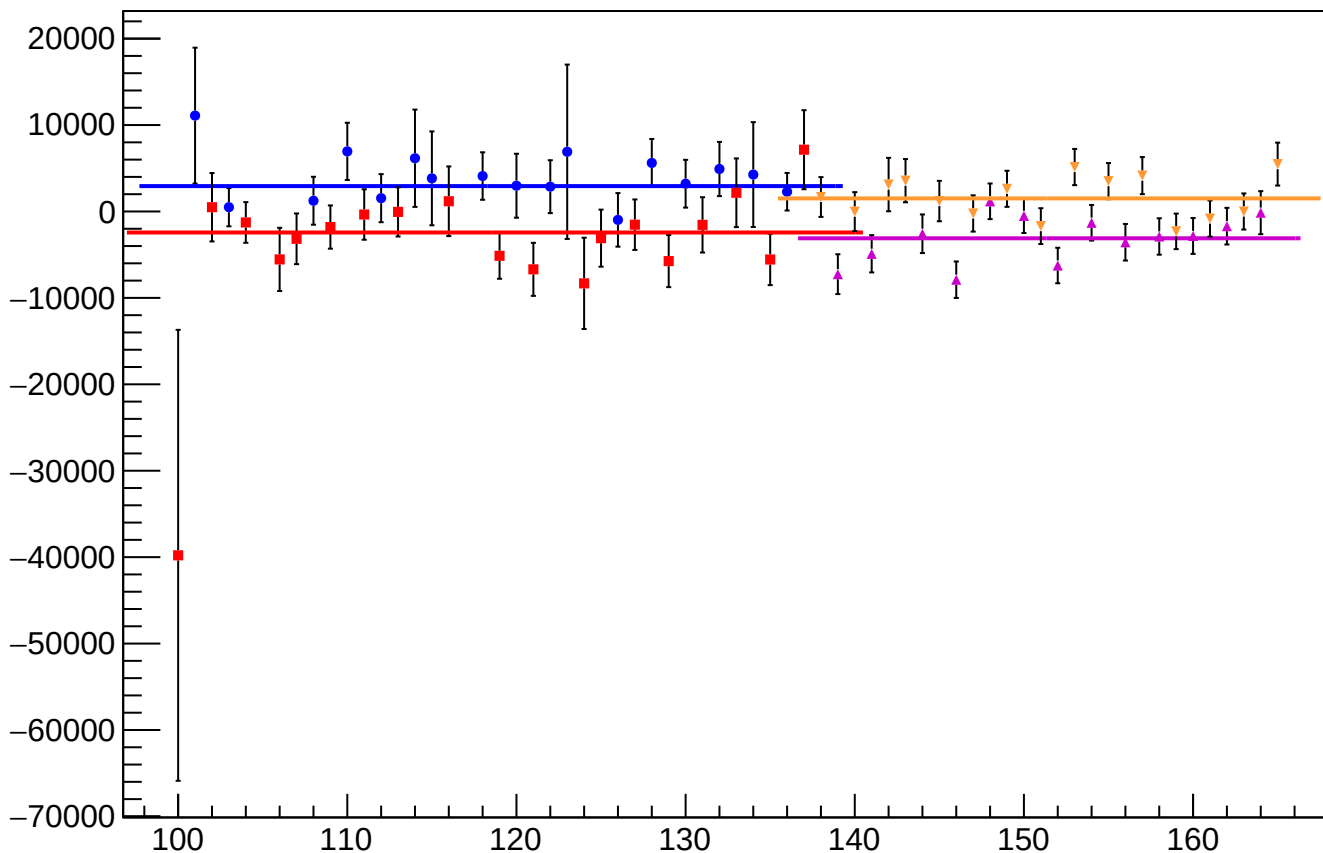
Left In: 4999.764+/-1.115 χ^2/NDF : 484506.1/12

+ sign 3862.930+/-0.681 χ^2/NDF : 3162469.6/31

All: 3792.794+/-0.476 χ^2/NDF : 6491068.6/63

- sign 3725.588+/-0.667 χ^2/NDF : 3307825.9/31

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1512.184 $\pm$ 572.361 χ^2 /NDF:18.0/14

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

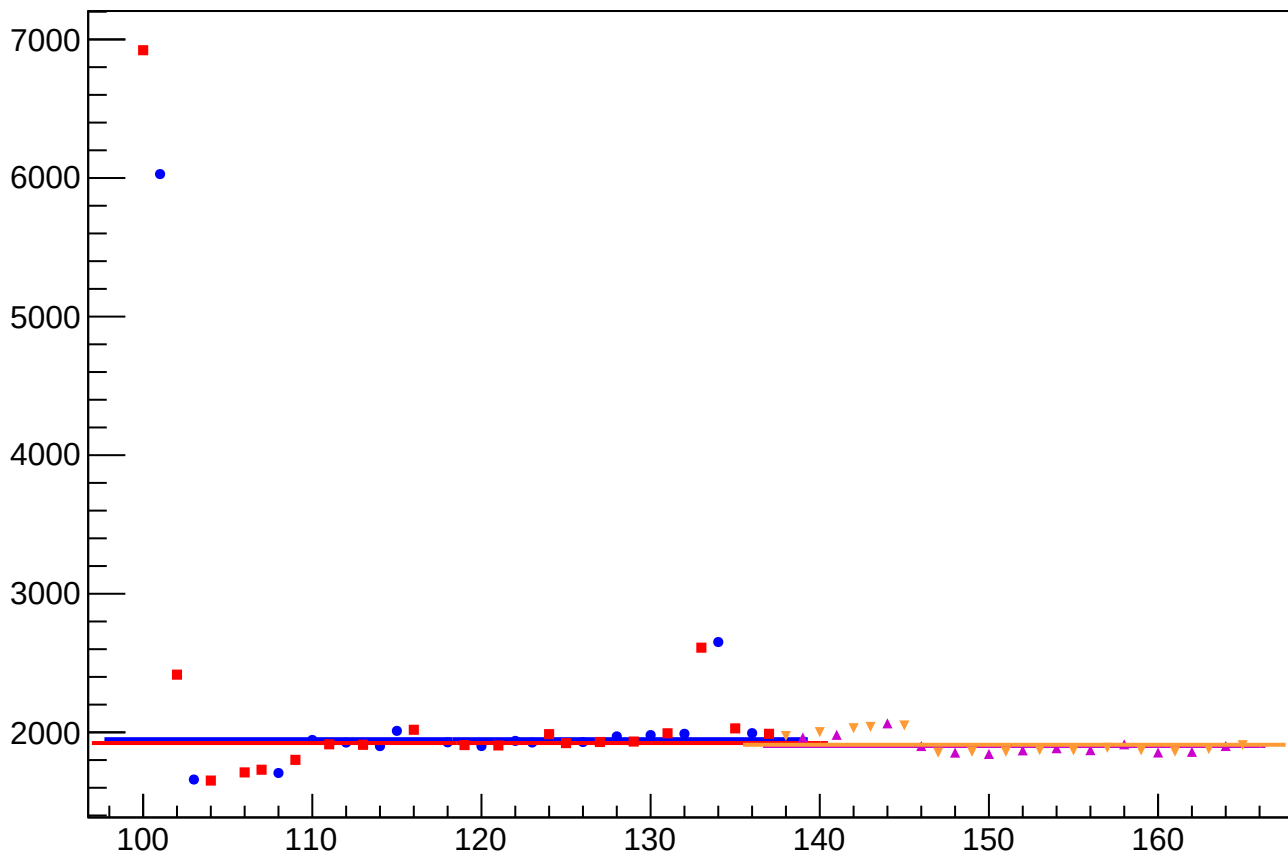
Left In: -3103.765 $\pm$ 591.936 χ^2 /NDF:20.2/12

+ sign 2014.324 $\pm$ 460.488 χ^2 /NDF: 28.3/31

All: -404.123 $\pm$ 326.269 χ^2 /NDF: 122.6/63

- sign -2842.122 $\pm$ 462.345 χ^2 /NDF: 38.9/31

reg_asym_atr_avg_rms vs Slug



Right In: 1950.615 $\pm$ 0.548 χ^2 /NDF: 617332.2/16

Left Out: 1910.482 $\pm$ 0.405 χ^2 /NDF: 27974.9/14

Right Out: 1922.752 $\pm$ 0.522 χ^2 /NDF: 217400.0/18

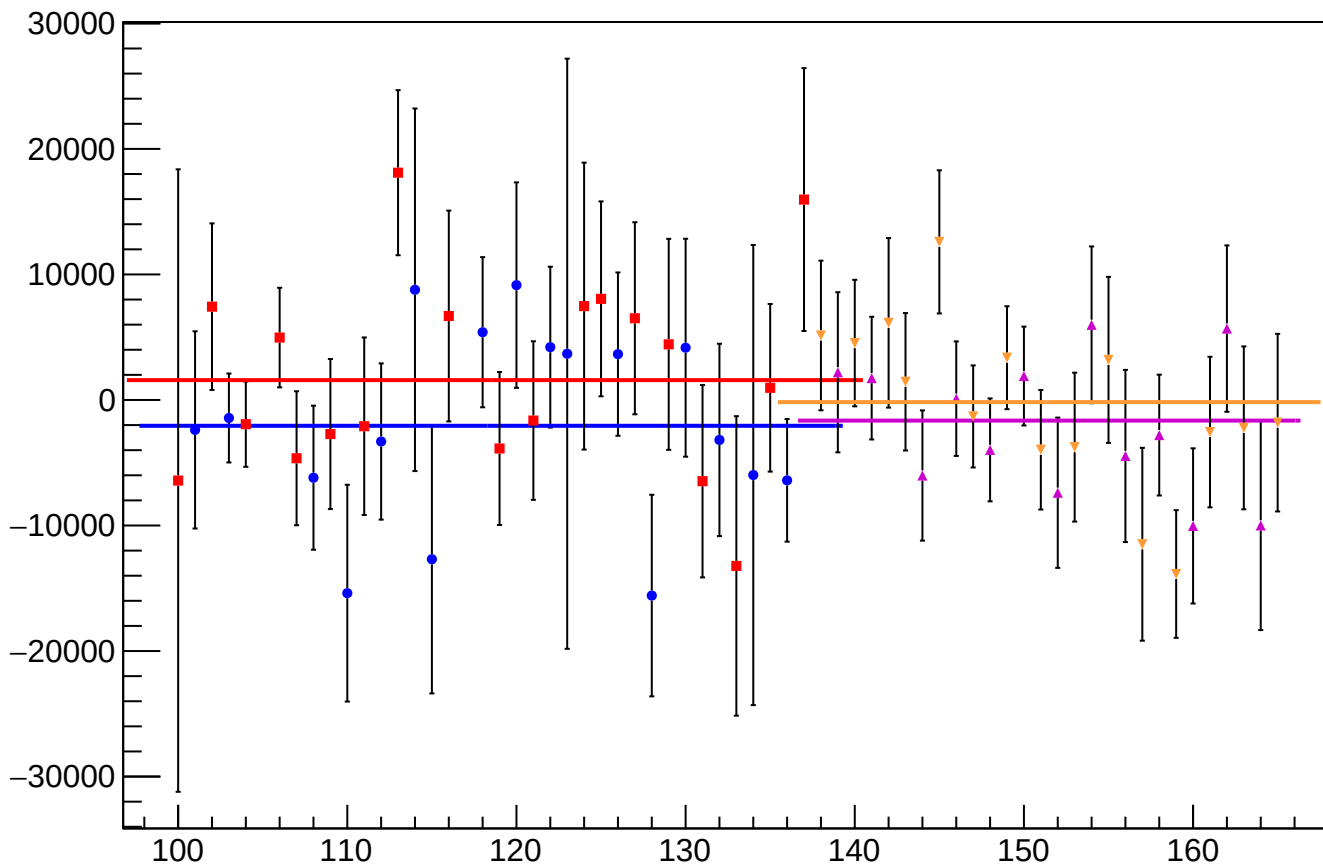
Left In: 1901.658 $\pm$ 0.419 χ^2 /NDF: 20541.1/12

+ sign 1924.637 $\pm$ 0.326 χ^2 /NDF: 648775.4/31

All: 1917.295 $\pm$ 0.231 χ^2 /NDF: 888729.8/63

- sign 1909.906 $\pm$ 0.327 χ^2 /NDF: 238934.2/31

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876 $\pm$ 1661.079 χ^2 /NDF: 14.0/16

Left Out: -170.901 $\pm$ 1419.700 χ^2 /NDF:19.5/14

Right Out: 1580.717 $\pm$ 1477.405 χ^2 /NDF: 18.6/18

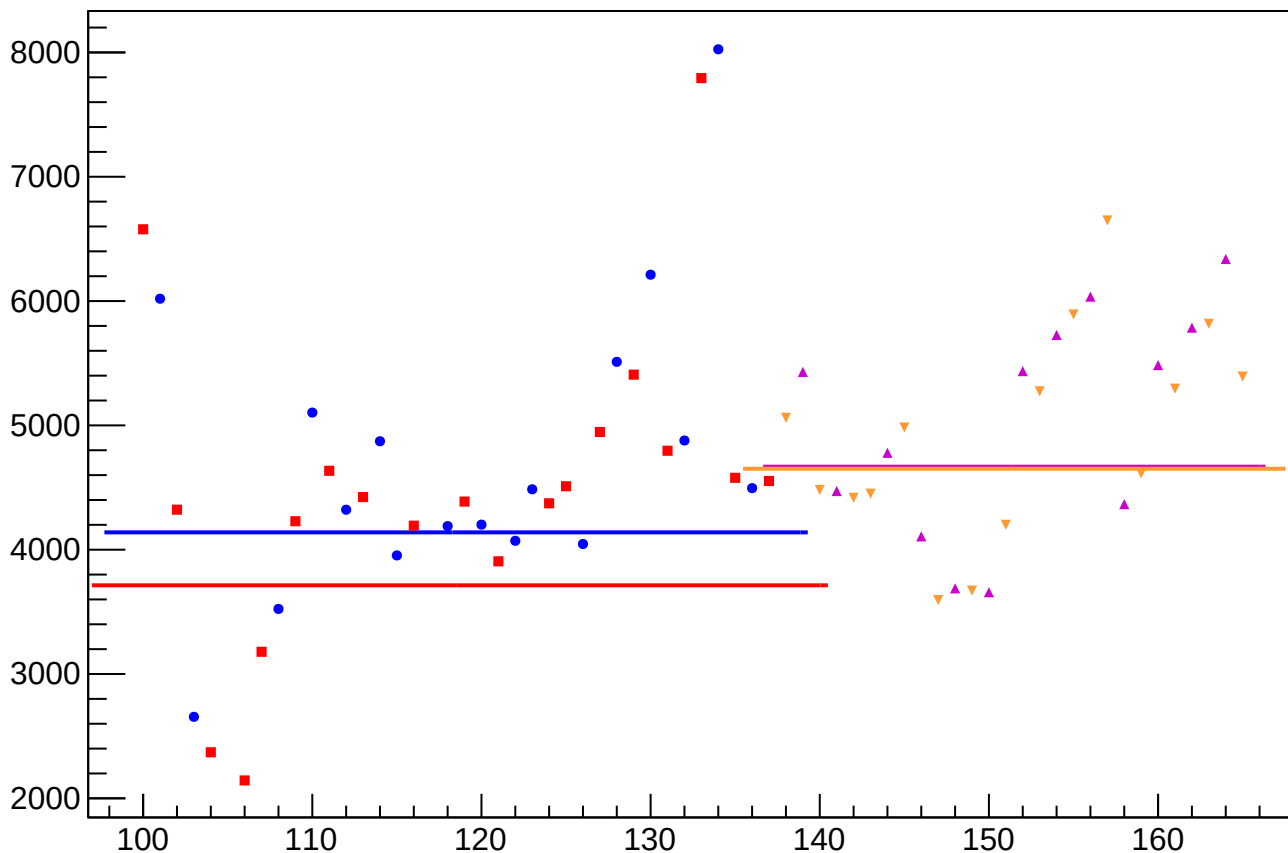
Left In: -1642.675 $\pm$ 1479.365 χ^2 /NDF:9.5/12

+ sign -967.024 $\pm$ 1079.226 χ^2 /NDF: 34.2/31

All: -482.989 $\pm$ 750.874 χ^2 /NDF: 65.1/63

- sign -28.842 $\pm$ 1045.375 χ^2 /NDF: 30.5/31

asym_atr_avg_correction_rms vs Slug



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4651.194+/-1.004 χ^2/NDF : 628535.1/14

Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

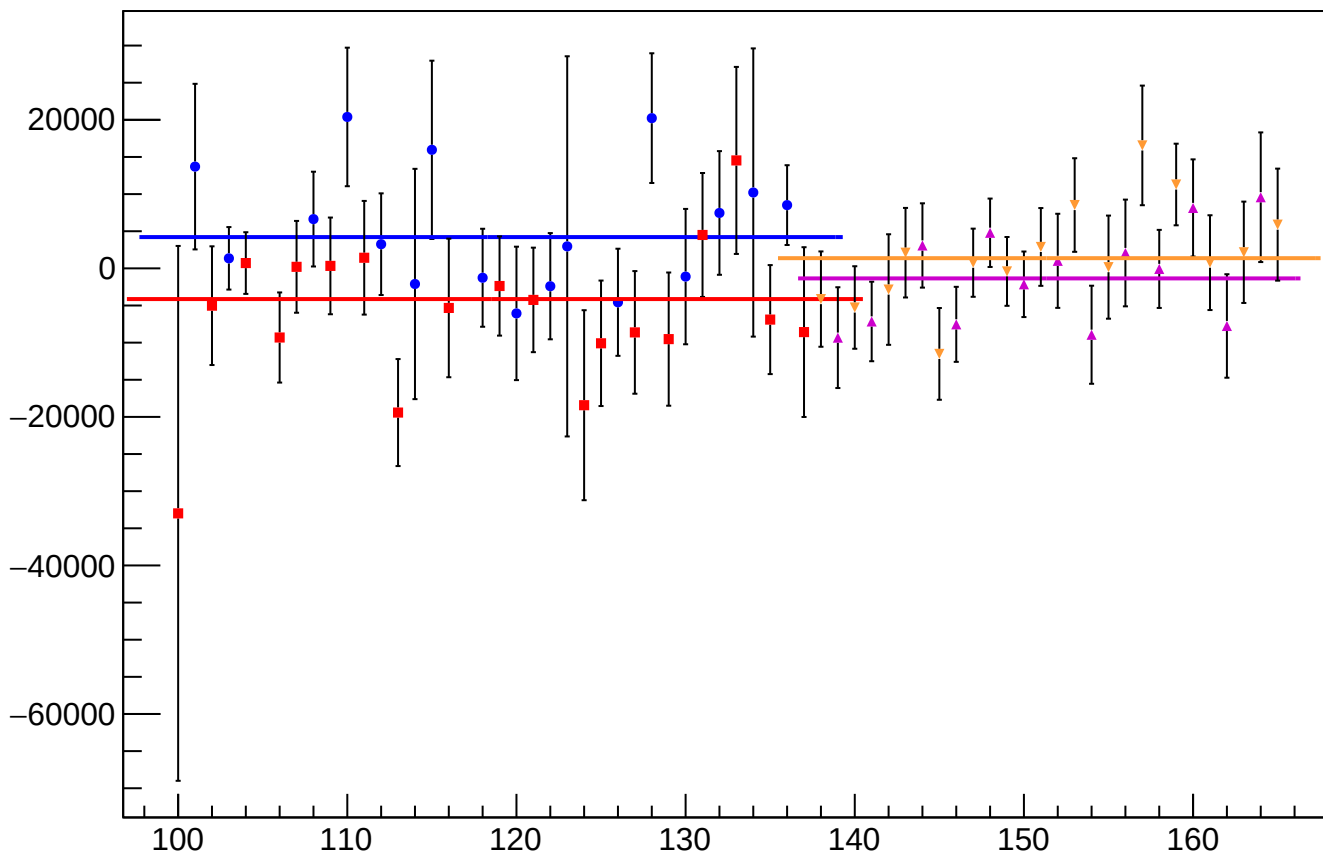
Left In: 4667.807+/-1.046 χ^2/NDF : 658620.6/12

+ sign 4435.149+/-0.763 χ^2/NDF : 1551804.9/31

All: 4308.687+/-0.531 χ^2/NDF : 3956137.2/63

- sign 4190.034+/-0.739 χ^2/NDF : 2351104.9/31

asym_atr_avg_mean vs Slug



Right In: 4211.844+/-1871.304 χ^2/NDF : 14.4/16

Left Out: 1372.510+/-1548.472 χ^2/NDF : 15.6/14

Right Out: -4133.660+/-1725.341 χ^2/NDF : 14.8/18

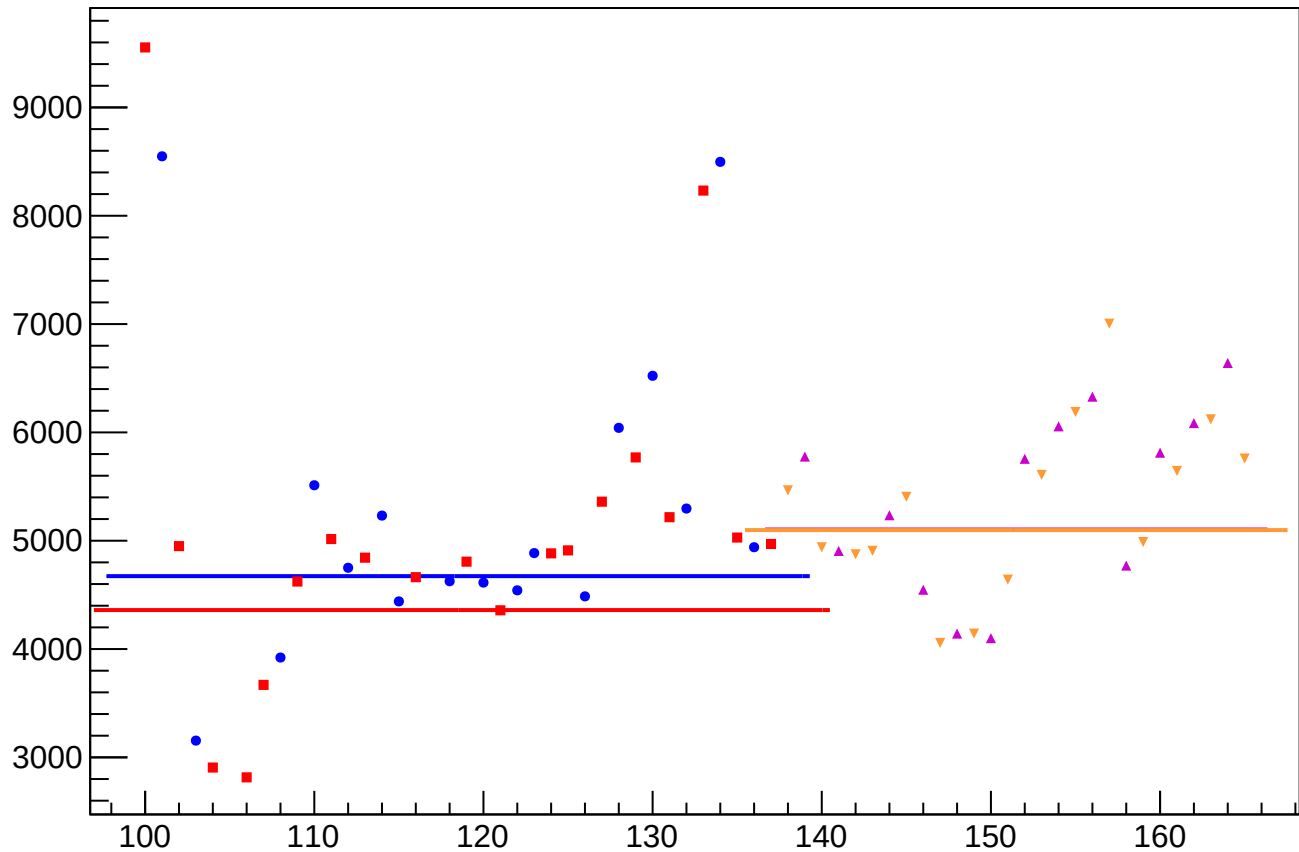
Left In: -1351.970+/-1609.840 χ^2/NDF : 12.7/12

+ sign 2526.507+/-1192.994 χ^2/NDF : 31.4/31

All: -94.857+/-837.879 χ^2/NDF : 69.8/63

- sign -2646.598+/-1177.045 χ^2/NDF : 28.9/31

asym_atr_avg_rms vs Slug



Right In: 4673.046 $\pm$ 1.323 χ^2 /NDF: 777321.1/16

Left Out: 5098.147 $\pm$ 1.095 χ^2 /NDF: 470424.0/14

Right Out: 4359.833 $\pm$ 1.213 χ^2 /NDF: 832191.0/18

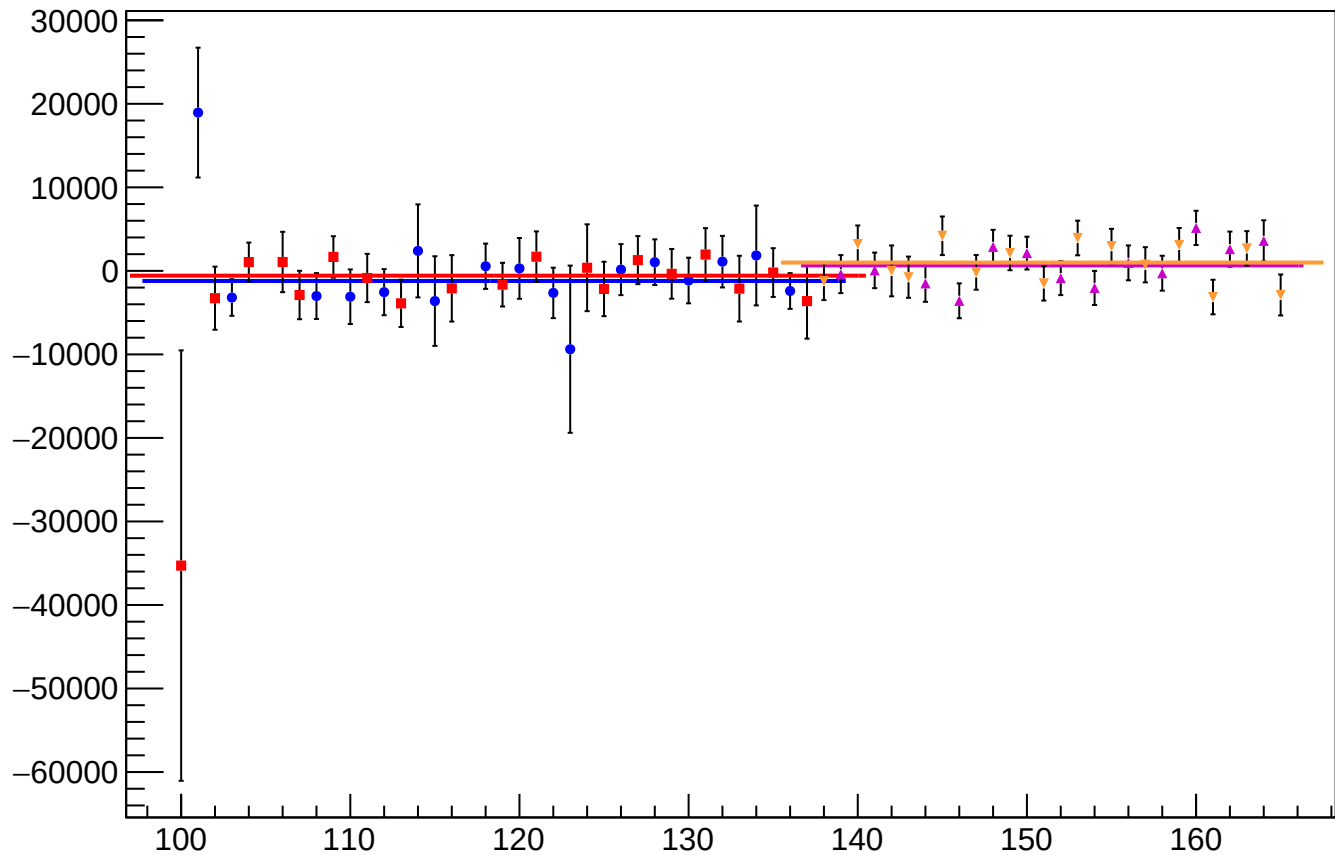
Left In: 5103.664 $\pm$ 1.138 χ^2 /NDF: 492523.5/12

+ sign 4925.372 $\pm$ 0.844 χ^2 /NDF: 1309008.1/31

All: 4838.978 $\pm$ 0.592 χ^2 /NDF: 2854320.5/63

- sign 4755.333 $\pm$ 0.830 χ^2 /NDF: 1524668.8/31

reg_asym_atr_dd_mean vs Slug



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

Left Out: 995.388+/-565.621 χ^2/NDF : 17.7/14

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

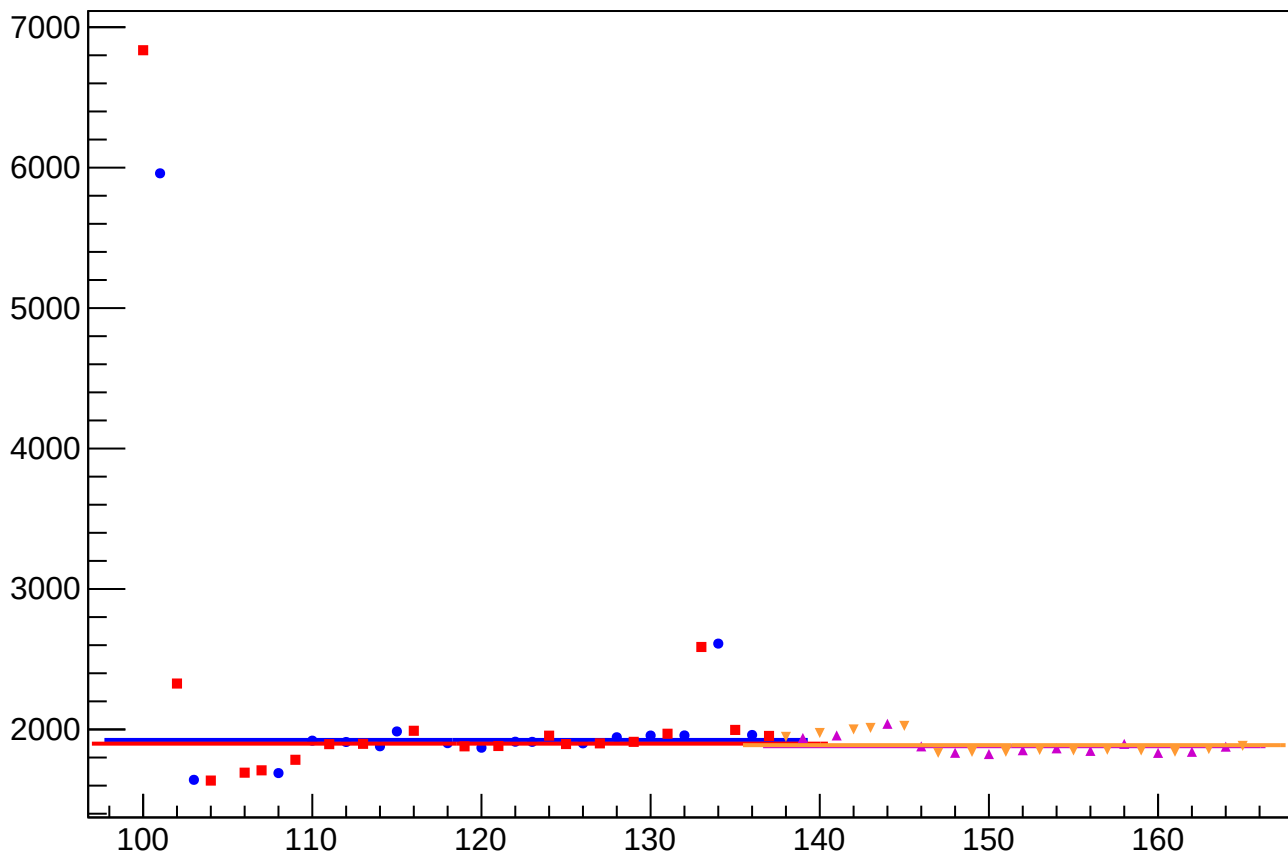
Left In: 655.617+/-585.378 χ^2/NDF : 16.7/12

+ sign 215.863+/-454.868 χ^2/NDF : 35.8/31

All: 195.587+/-322.337 χ^2/NDF : 62.9/63

- sign 175.134+/-456.846 χ^2/NDF : 27.2/31

reg_asym_atr_dd_rms vs Slug



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1888.070+/-0.400 χ^2/NDF : 26467.8/14

Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

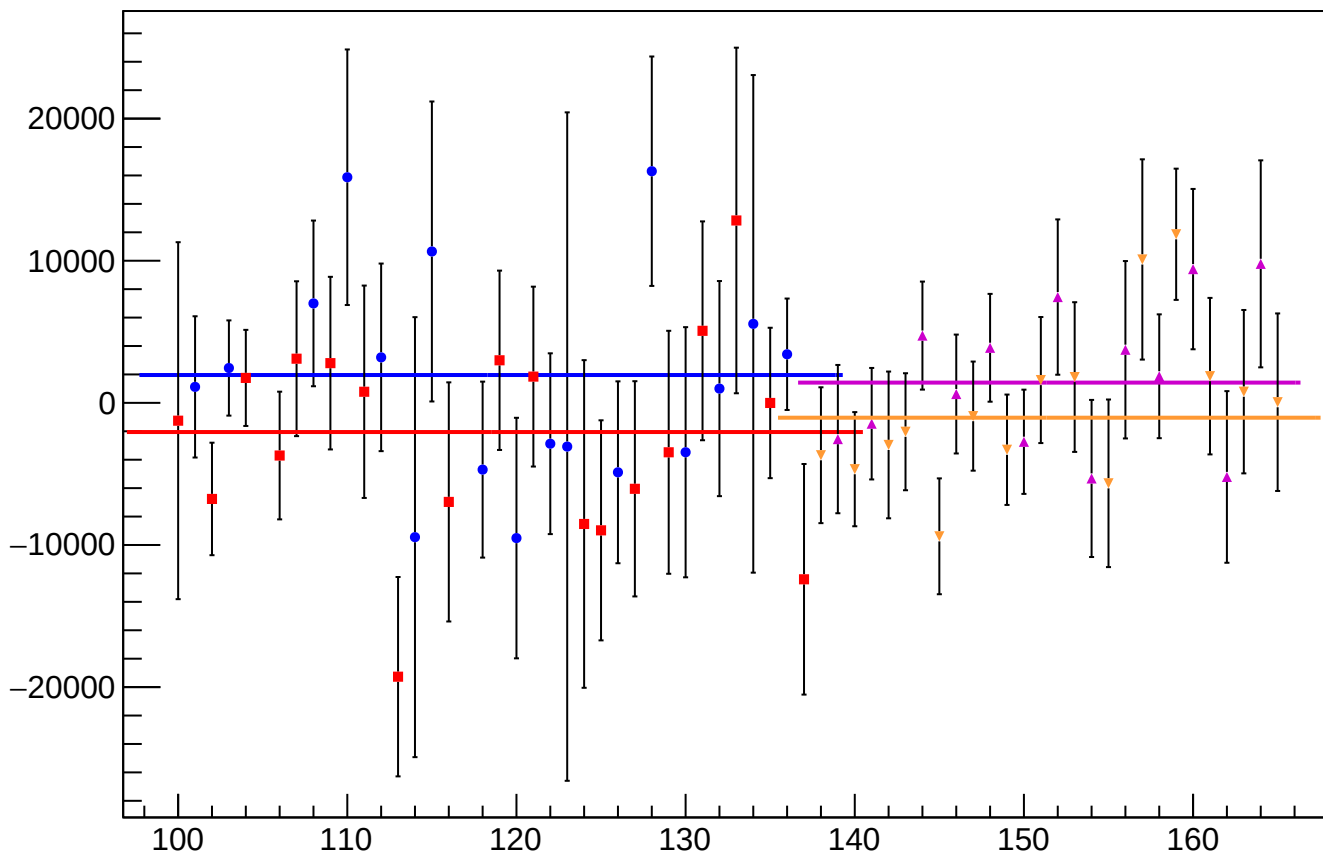
Left In: 1880.618+/-0.414 χ^2/NDF : 19979.3/12

+ sign 1901.230+/-0.322 χ^2/NDF : 645395.8/31

All: 1894.521+/-0.228 χ^2/NDF : 877884.1/63

- sign 1887.767+/-0.323 χ^2/NDF : 231615.3/31

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060 $\pm$ 1556.840 χ^2/NDF : 12.9/16

Left Out: -1044.124 $\pm$ 1223.189 χ^2/NDF : 17.8/14

Right Out: -2052.842 $\pm$ 1413.641 χ^2/NDF : 17.4/18

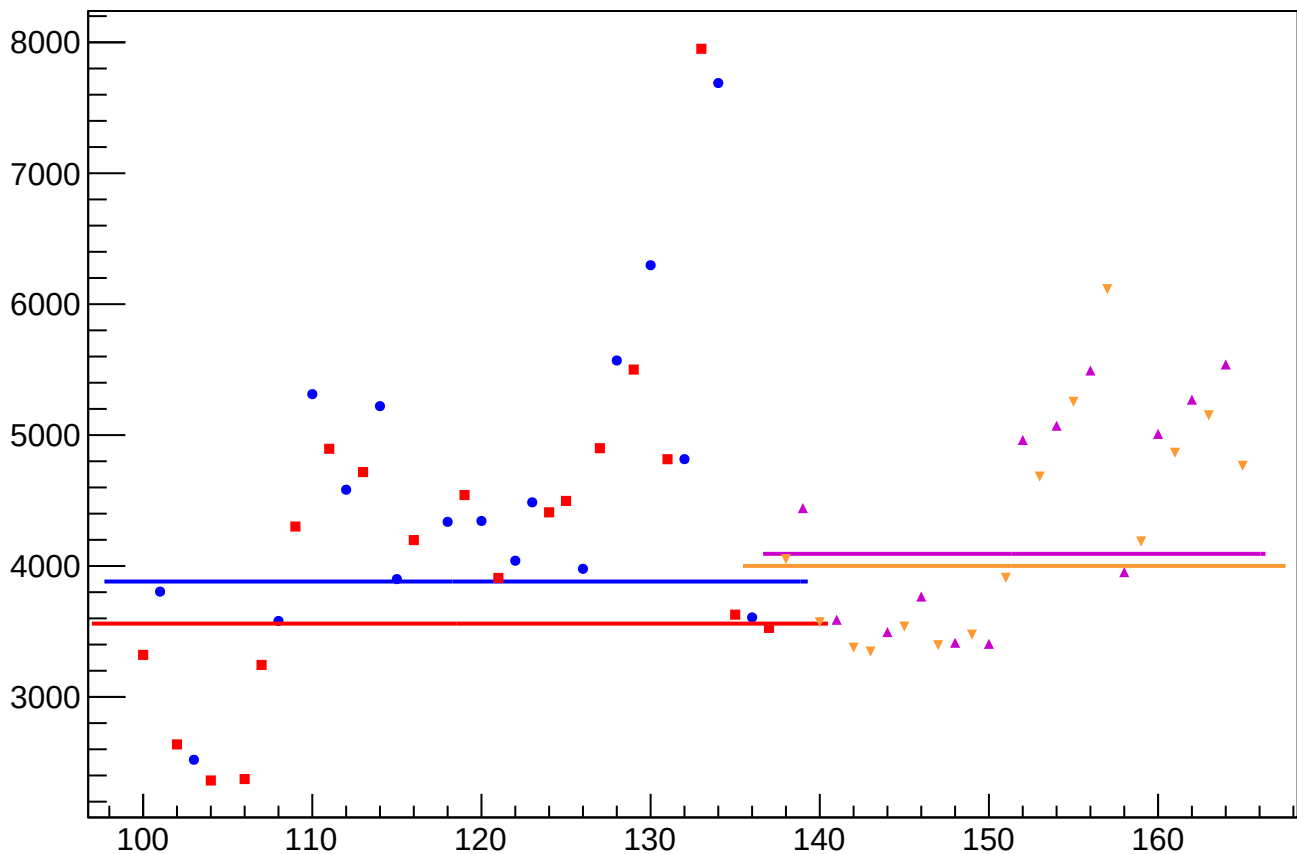
Left In: 1424.971 $\pm$ 1297.124 χ^2/NDF : 11.0/12

+ sign 102.152 $\pm$ 961.829 χ^2/NDF : 33.1/31

All: -32.132 $\pm$ 677.955 χ^2/NDF : 64.9/63

- sign -164.724 $\pm$ 955.747 χ^2/NDF : 31.7/31

asym_atr_dd_correction_rms vs Slug



Right In: 3881.577+/-1.101 χ^2 /NDF: 817466.6/16

Left Out: 4000.773+/-0.865 χ^2 /NDF: 682753.9/14

Right Out: 3560.054+/-1.000 χ^2 /NDF: 1241523.0/18

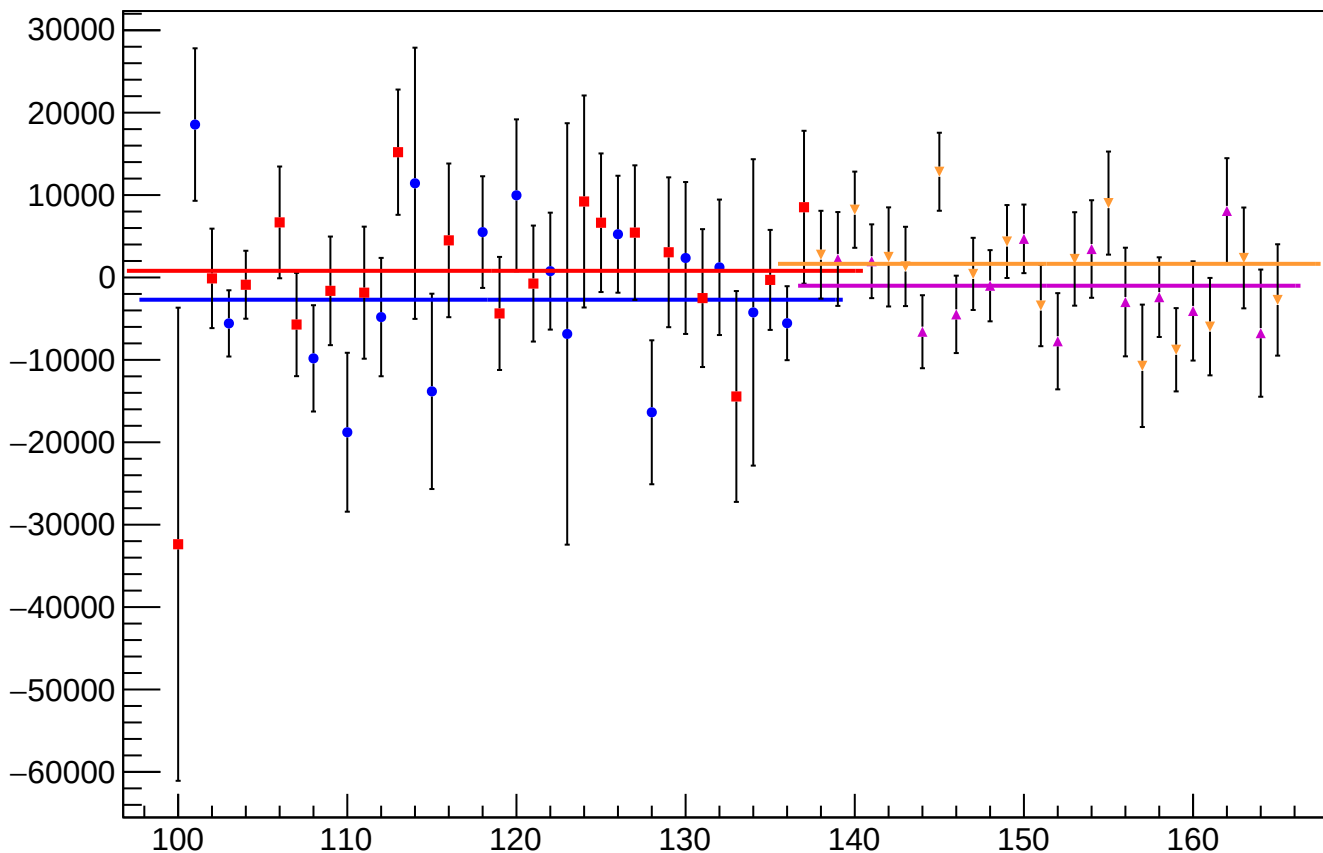
Left In: 4092.893+/-0.917 χ^2 /NDF: 661719.2/12

+ sign 3955.278+/-0.680 χ^2 /NDF: 1507469.4/31

All: 3901.970+/-0.479 χ^2 /NDF: 3577186.1/63

- sign 3849.334+/-0.676 χ^2 /NDF: 2057507.1/31

asym_atr_dd_mean vs Slug



Right In: -2700.702 ± 1809.055 χ^2/NDF : 19.8/16

Left Out: 1654.472 ± 1369.810 χ^2/NDF : 19.7/14

Right Out: 805.951 ± 1690.353 χ^2/NDF : 11.6/18

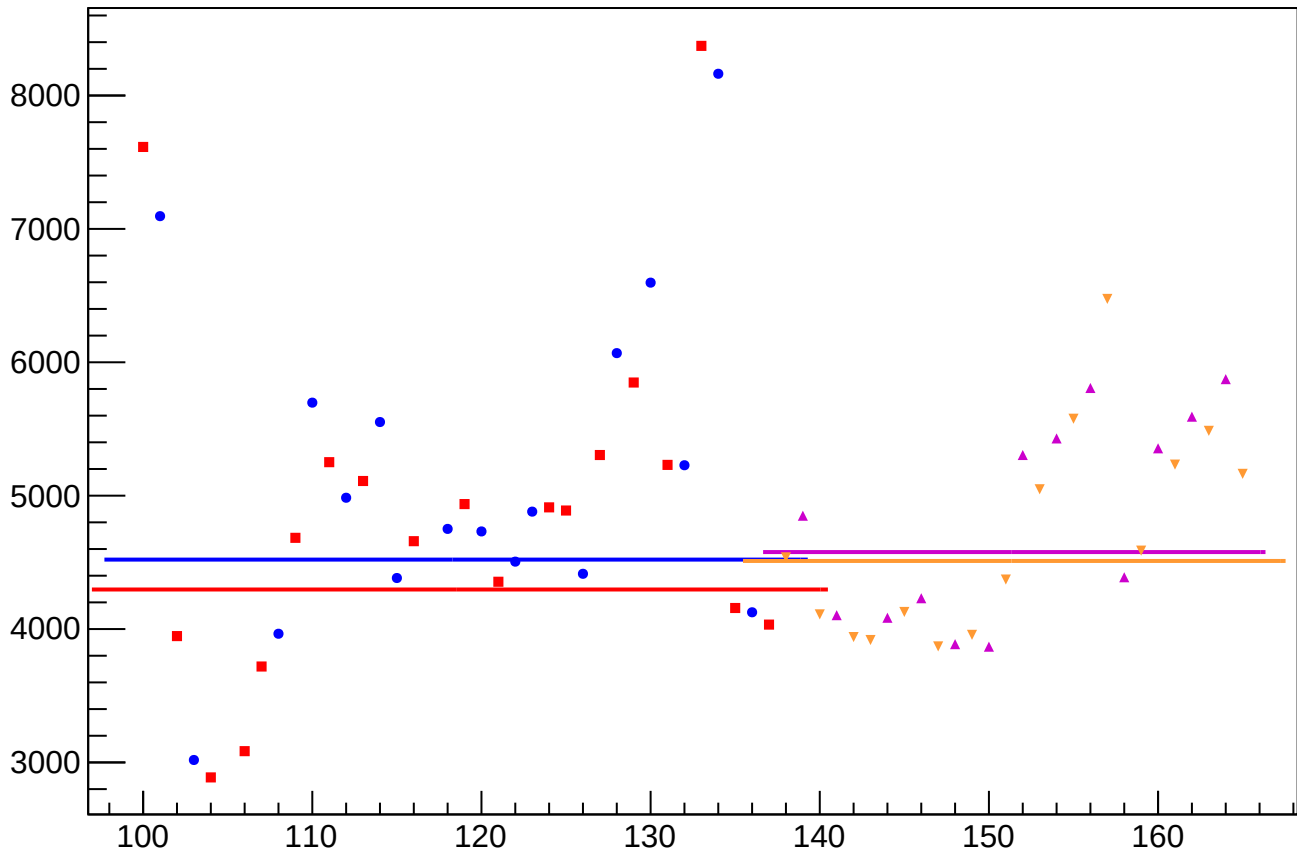
Left In: -1003.298 ± 1442.153 χ^2/NDF : 9.7/12

+ sign 67.395 ± 1092.064 χ^2/NDF : 43.1/31

All: -86.157 ± 773.986 χ^2/NDF : 65.1/63

- sign -241.132 ± 1097.117 χ^2/NDF : 21.9/31

asym_atr_dd_rms vs Slug



Right In: 4520.685+/-1.279 χ^2/NDF : 770887.4/16

Left Out: 4510.520+/-0.969 χ^2/NDF : 468072.7/14

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

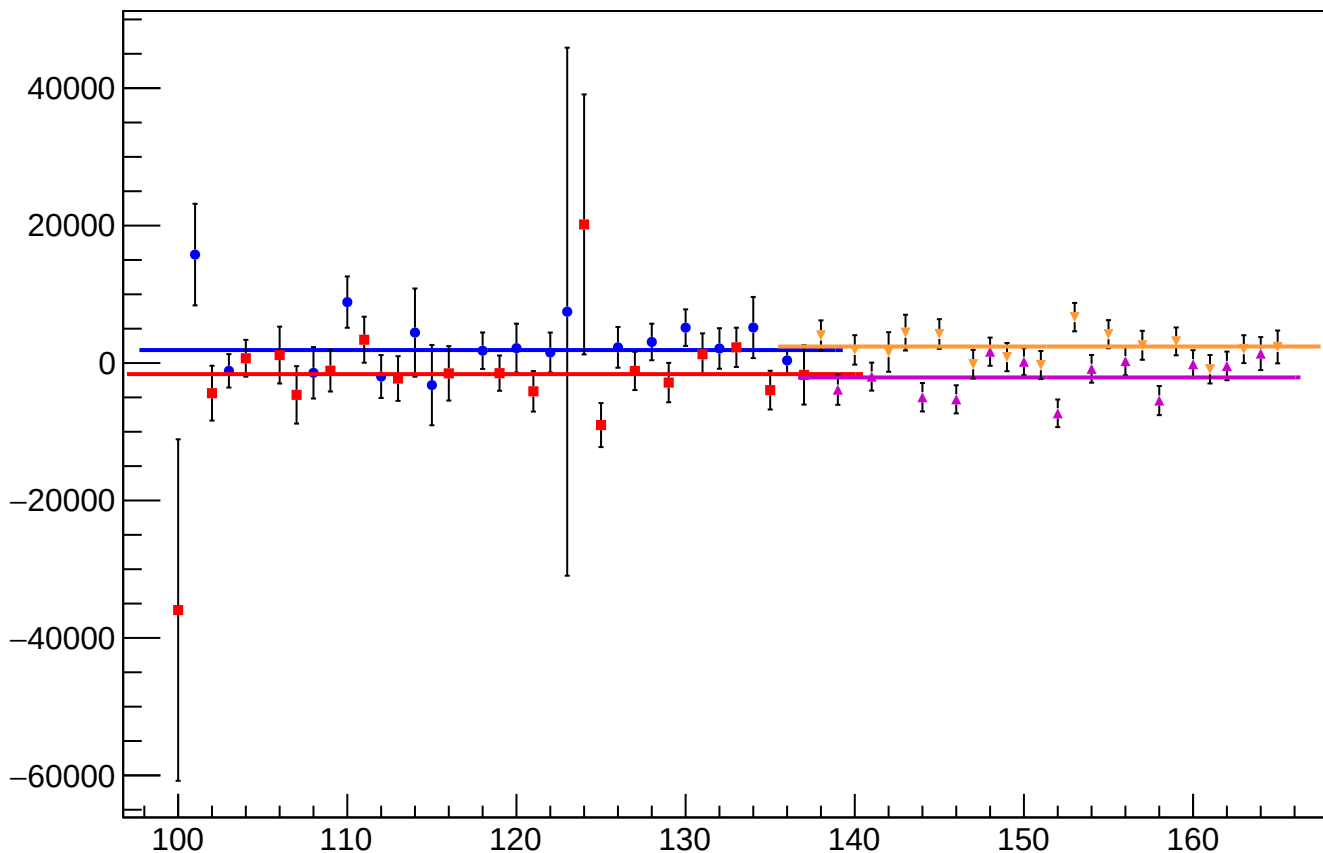
Left In: 4577.172+/-1.020 χ^2/NDF : 457012.0/12

+ sign 4514.224+/-0.772 χ^2/NDF : 1239000.3/31

All: 4486.268+/-0.547 χ^2/NDF : 2502536.4/63

- sign 4458.185+/-0.774 χ^2/NDF : 1260908.9/31

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915 ± 783.827 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 2405.648 ± 557.879 $\chi^2/\text{NDF}: 13.6/14$

Right Out: -1610.310 ± 765.843 $\chi^2/\text{NDF}: 17.5/18$

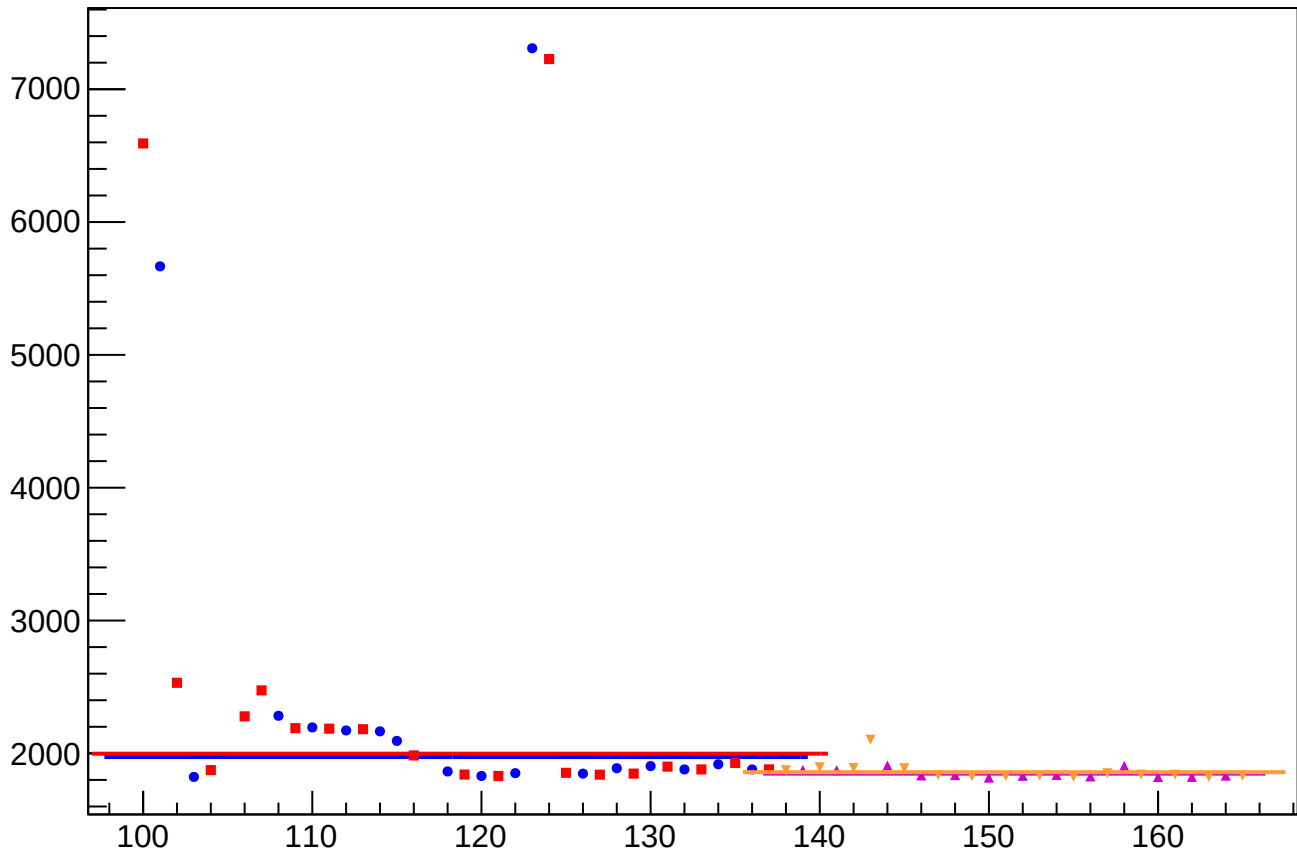
Left In: -2096.531 ± 576.178 $\chi^2/\text{NDF}: 24.3/12$

+ sign 2231.565 ± 454.512 $\chi^2/\text{NDF}: 28.6/31$

All: 182.213 ± 323.458 $\chi^2/\text{NDF}: 111.8/63$

- sign -1920.792 ± 460.423 $\chi^2/\text{NDF}: 42.1/31$

reg_asym_at1_avg_rms vs Slug



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1858.208+/-0.394 χ^2/NDF : 22173.9/14

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

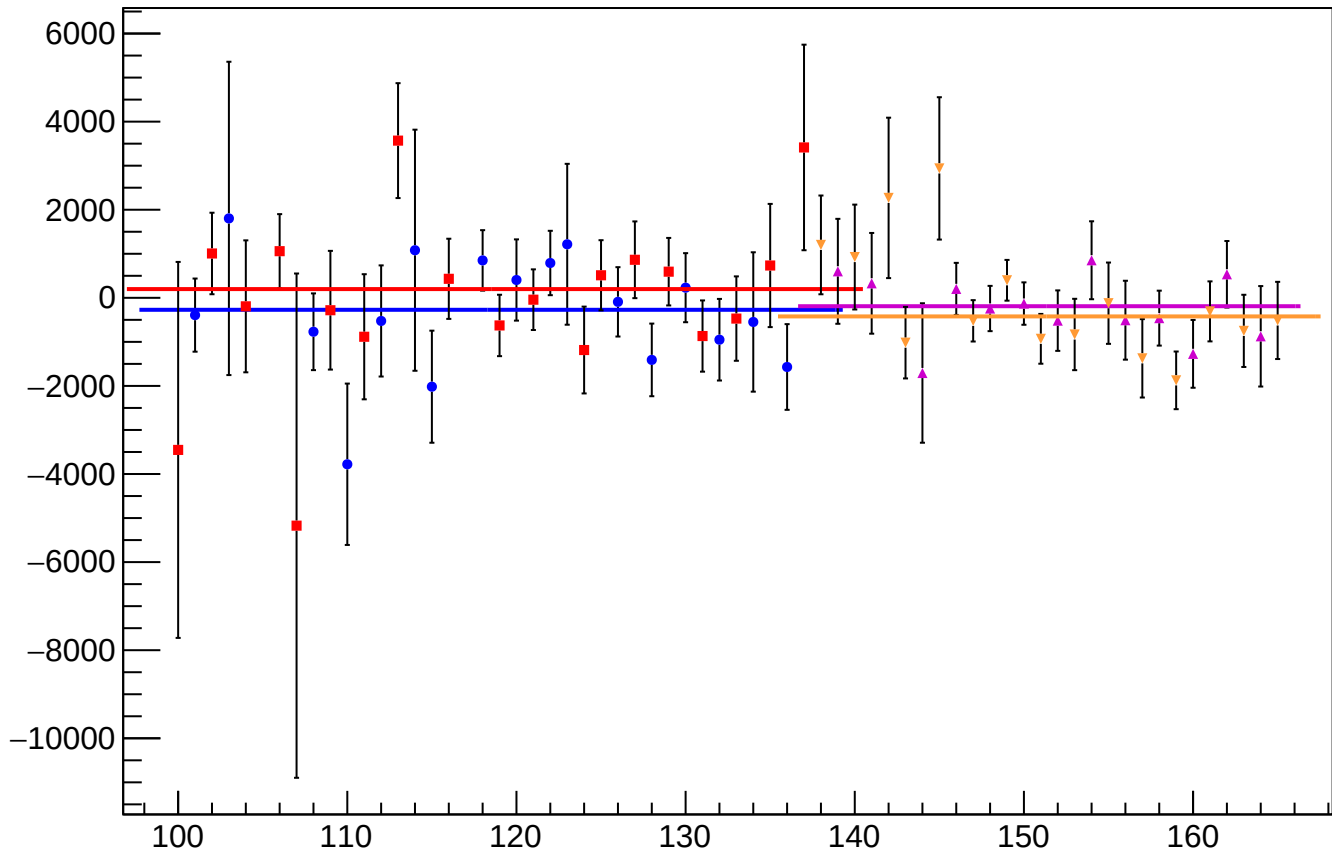
Left In: 1847.365+/-0.407 χ^2/NDF : 5577.8/12

+ sign 1896.632+/-0.321 χ^2/NDF : 651260.6/31

All: 1899.125+/-0.229 χ^2/NDF : 1061710.8/63

- sign 1901.683+/-0.326 χ^2/NDF : 410328.3/31

asym_at1_avg_correction_mean vs Slug



Right In: -271.773+/-240.214 χ^2 /NDF: 17.2/16

Left Out: -422.058+/-191.446 χ^2 /NDF:21.0/14

Right Out: 198.424+/-229.035 χ^2 /NDF: 19.7/18

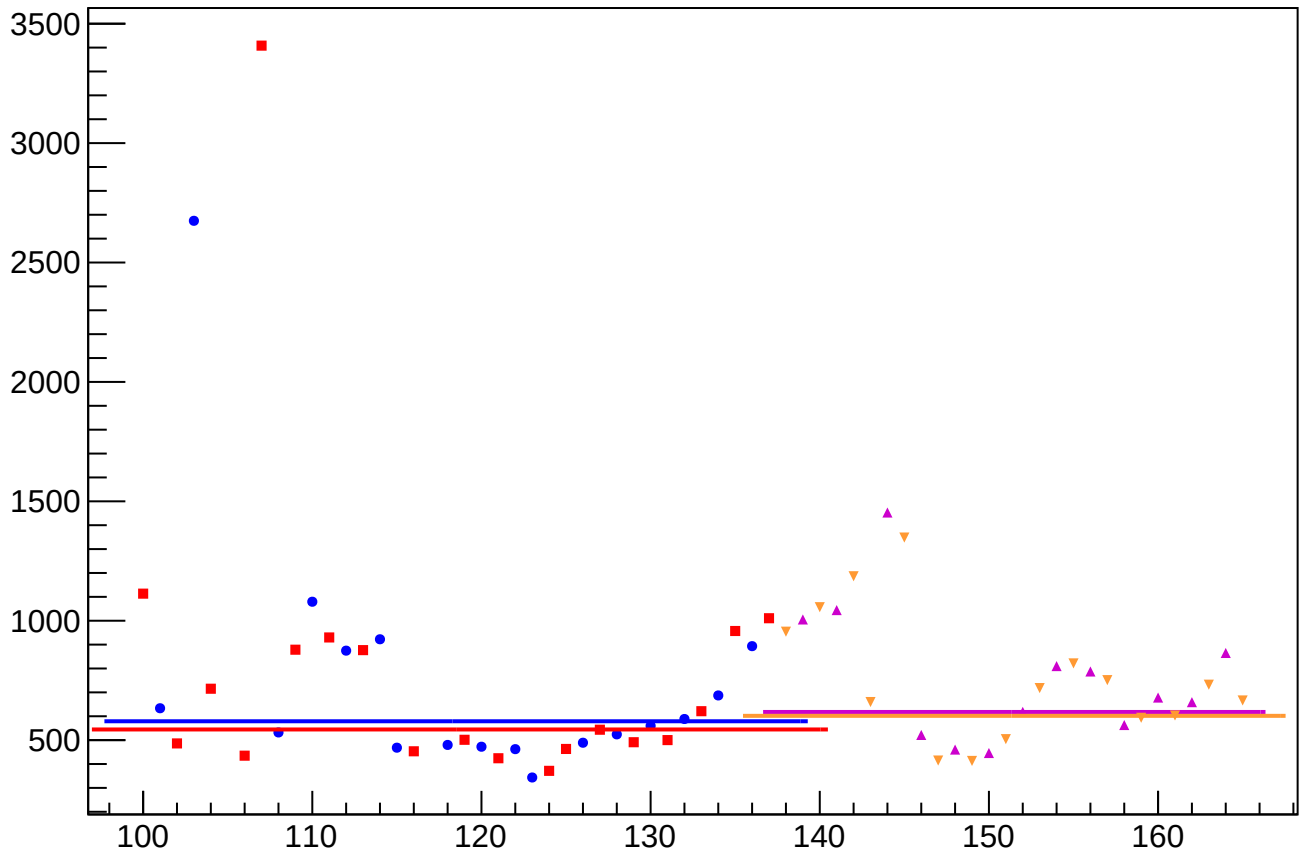
Left In: -190.412+/-203.019 χ^2 /NDF:7.2/12

+ sign -363.680+/-149.715 χ^2 /NDF: 38.5/31

All: -194.025+/-106.637 χ^2 /NDF: 69.7/63

- sign -19.324+/-151.925 χ^2 /NDF: 28.6/31

asym_at1_avg_correction_rms vs Slug



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

Left Out: 601.746+/-0.135 χ^2/NDF : 2116332.1/14

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

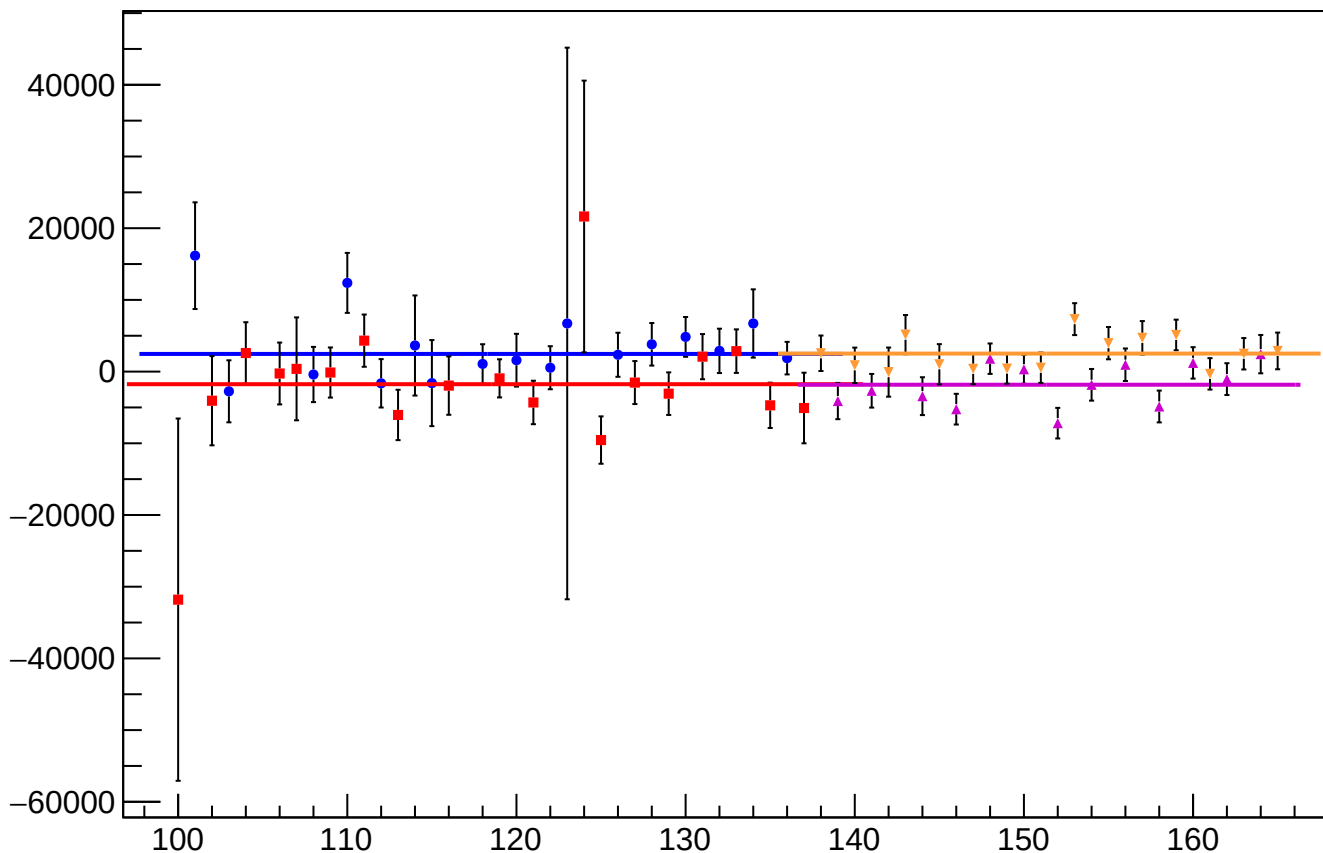
Left In: 617.964+/-0.144 χ^2/NDF : 1835777.9/12

+ sign 592.914+/-0.106 χ^2/NDF : 3549437.3/31

All: 589.368+/-0.075 χ^2/NDF : 6959978.9/63

- sign 585.716+/-0.107 χ^2/NDF : 3408264.1/31

asym_at1_avg_mean vs Slug



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 2512.996 $\pm$ 607.458 χ^2 /NDF:14.2/14

Right Out: -1756.788 $\pm$ 853.292 χ^2 /NDF: 20.5/18

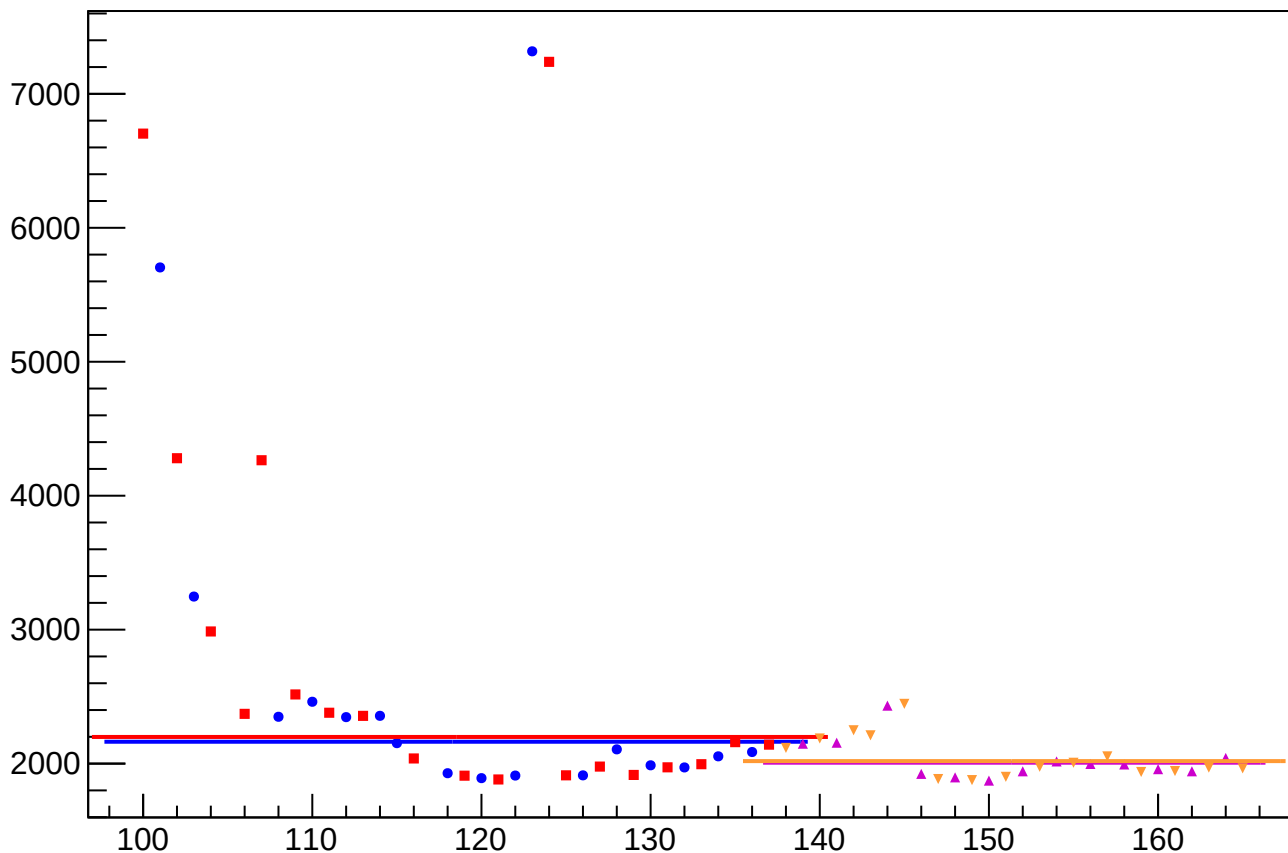
Left In: -1833.670 $\pm$ 627.213 χ^2 /NDF:22.2/12

+ sign 2496.793 $\pm$ 496.777 χ^2 /NDF: 29.7/31

All: 381.960 $\pm$ 354.274 χ^2 /NDF: 109.3/63

- sign -1806.702 $\pm$ 505.373 χ^2 /NDF: 42.7/31

asym_at1_avg_rms vs Slug



Right In: 2163.303 $\pm$ 0.610 χ^2 /NDF: 709584.4/16

Left Out: 2018.686 $\pm$ 0.430 χ^2 /NDF: 109231.4/14

Right Out: 2199.003 $\pm$ 0.603 χ^2 /NDF: 803297.2/18

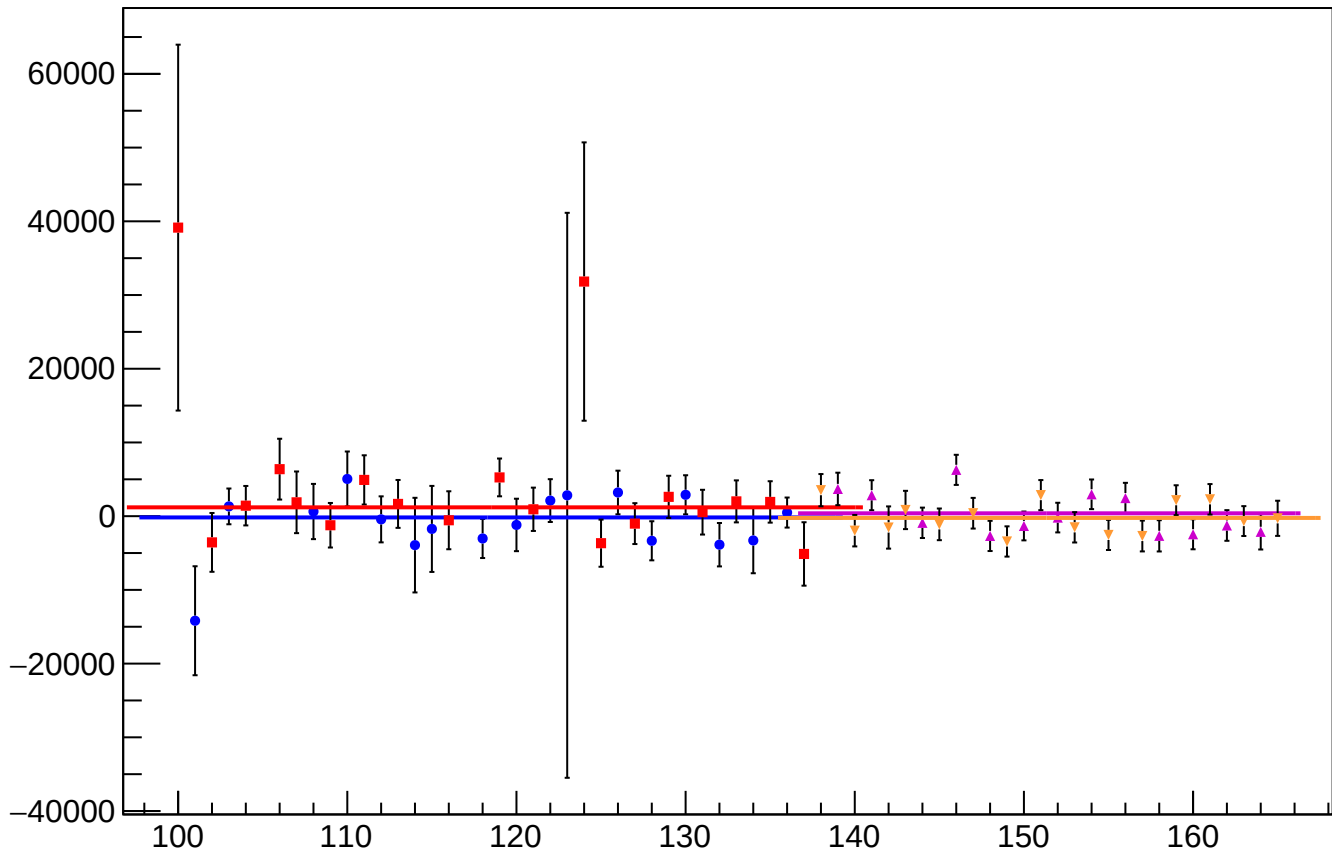
Left In: 2006.898 $\pm$ 0.444 χ^2 /NDF: 88531.0/12

+ sign 2066.584 $\pm$ 0.351 χ^2 /NDF: 856359.6/31

All: 2070.368 $\pm$ 0.251 χ^2 /NDF: 1814236.4/63

- sign 2074.284 $\pm$ 0.357 χ^2 /NDF: 957640.6/31

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 χ^2/NDF : 14.5/16

Left Out: -237.660 ± 556.801 χ^2/NDF : 15.0/14

Right Out: 1197.543 ± 764.254 χ^2/NDF : 18.2/18

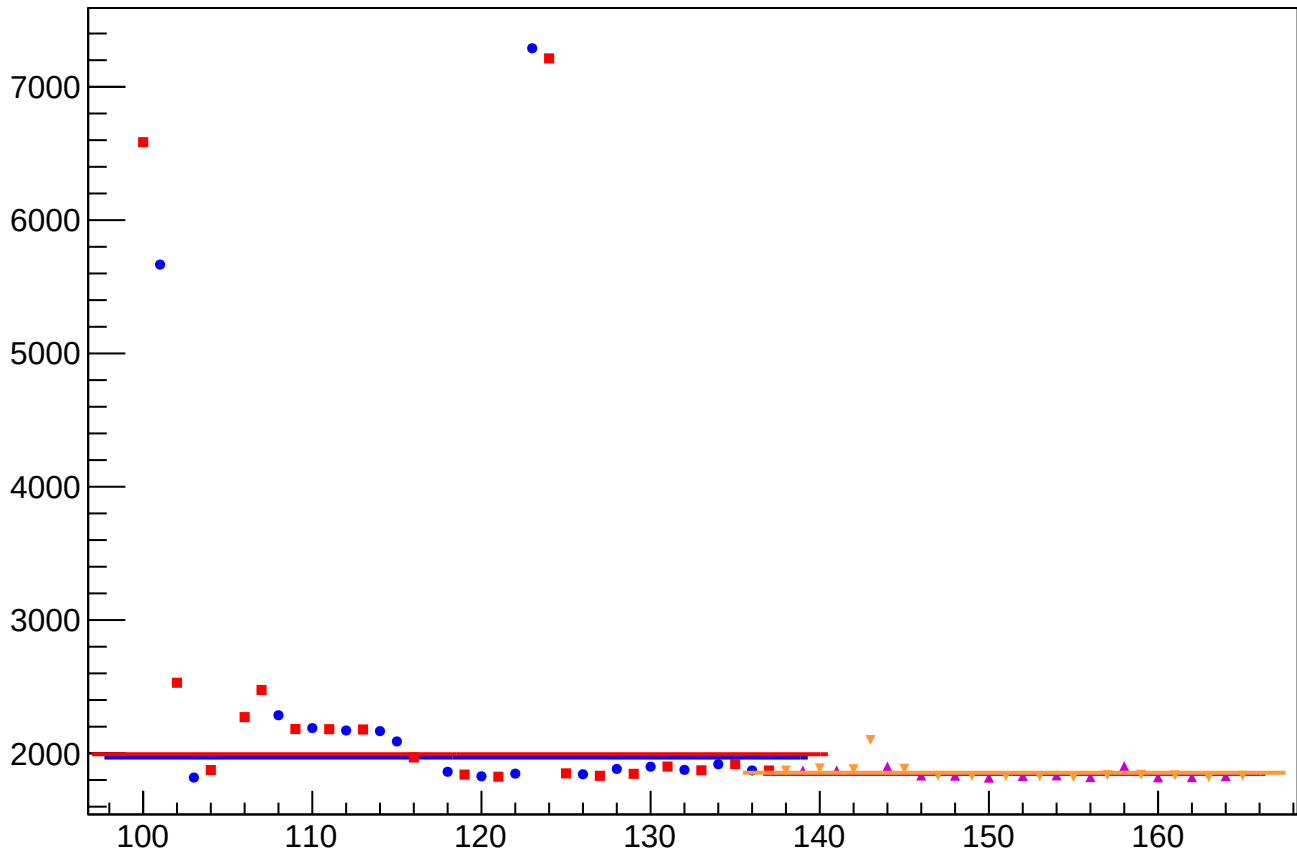
Left In: 387.509 ± 575.431 χ^2/NDF : 23.9/12

+ sign -215.031 ± 453.648 χ^2/NDF : 29.5/31

All: 226.843 ± 322.895 χ^2/NDF : 74.2/63

- sign 680.579 ± 459.697 χ^2/NDF : 42.8/31

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632+/-0.553 χ^2/NDF : 602972.8/16

Left Out: 1854.650+/-0.394 χ^2/NDF : 21850.4/14

Right Out: 1993.422+/-0.540 χ^2/NDF : 356172.4/18

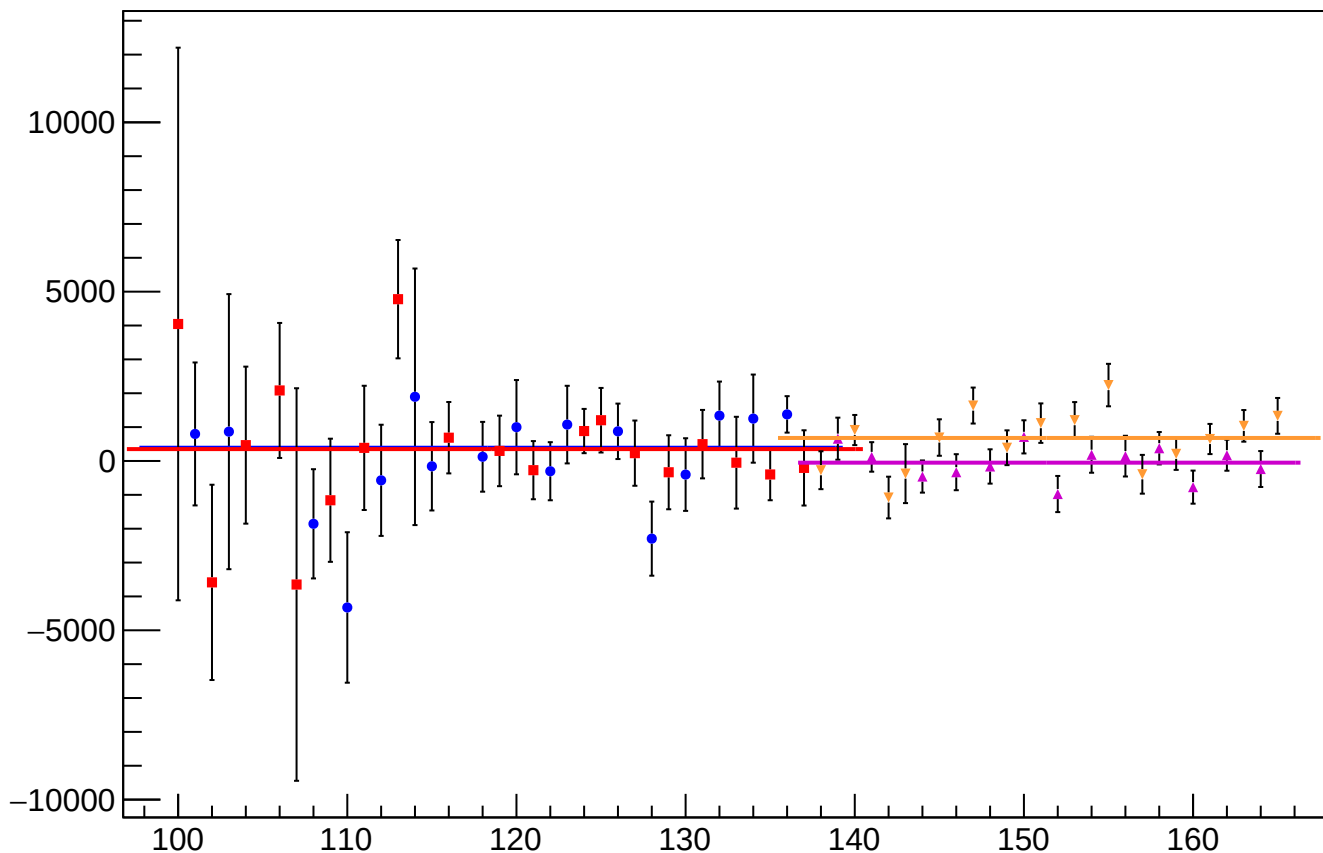
Left In: 1844.982+/-0.407 χ^2/NDF : 5207.9/12

+ sign 1892.971+/-0.321 χ^2/NDF : 653000.8/31

All: 1895.791+/-0.228 χ^2/NDF : 1062689.9/63

- sign 1898.687+/-0.325 χ^2/NDF : 409532.4/31

asym_at1_dd_correction_mean vs Slug



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

Left Out: 679.742+/-137.778 χ^2/NDF :30.7/14

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

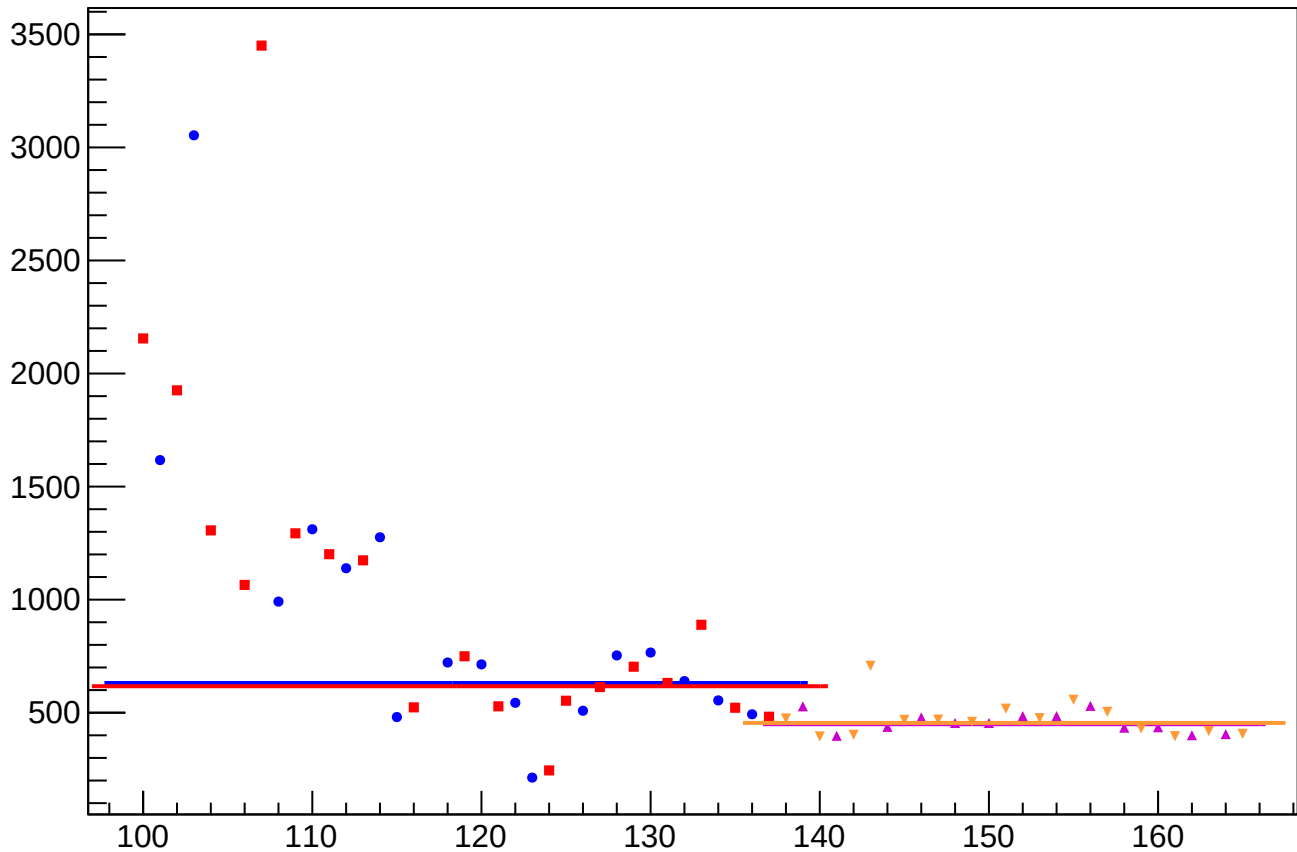
Left In: -50.129+/-140.584 χ^2/NDF :11.6/12

+ sign 620.117+/-122.735 χ^2/NDF : 51.6/31

All: 332.417+/-87.336 χ^2/NDF : 90.4/63

- sign 37.324+/-124.302 χ^2/NDF : 27.6/31

asym_at1_dd_correction_rms vs Slug



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 454.819 $\pm$ 0.097 χ^2 /NDF: 387380.3/14

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

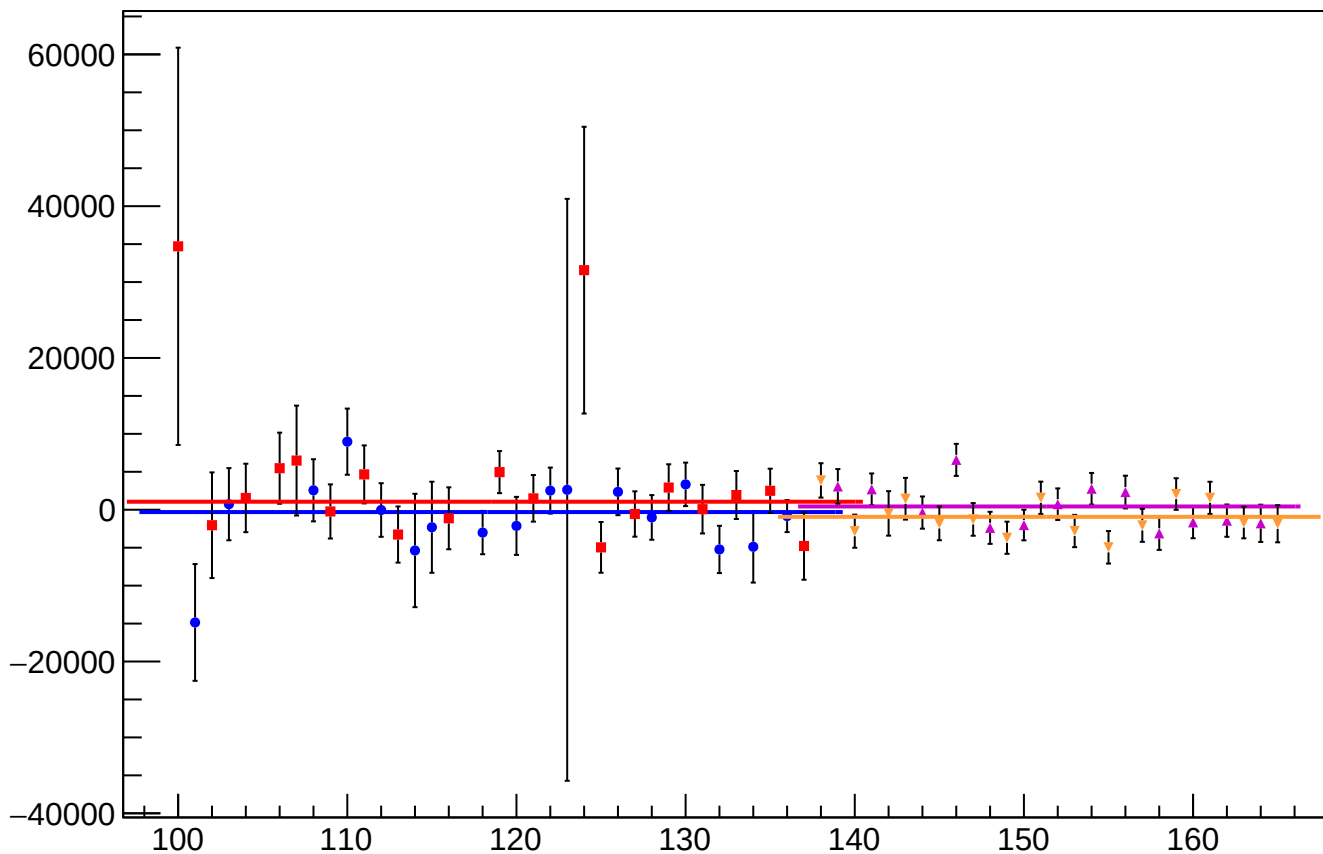
Left In: 449.154 $\pm$ 0.099 χ^2 /NDF: 162671.4/12

+ sign 491.279 $\pm$ 0.087 χ^2 /NDF: 3326500.6/31

All: 488.568 $\pm$ 0.062 χ^2 /NDF: 6915662.2/63

- sign 485.788 $\pm$ 0.088 χ^2 /NDF: 3587185.7/31

asym_at1_dd_mean vs Slug



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -935.513 ± 575.466 χ^2/NDF : 17.6/14

Right Out: 1056.856 ± 867.445 χ^2/NDF : 16.6/18

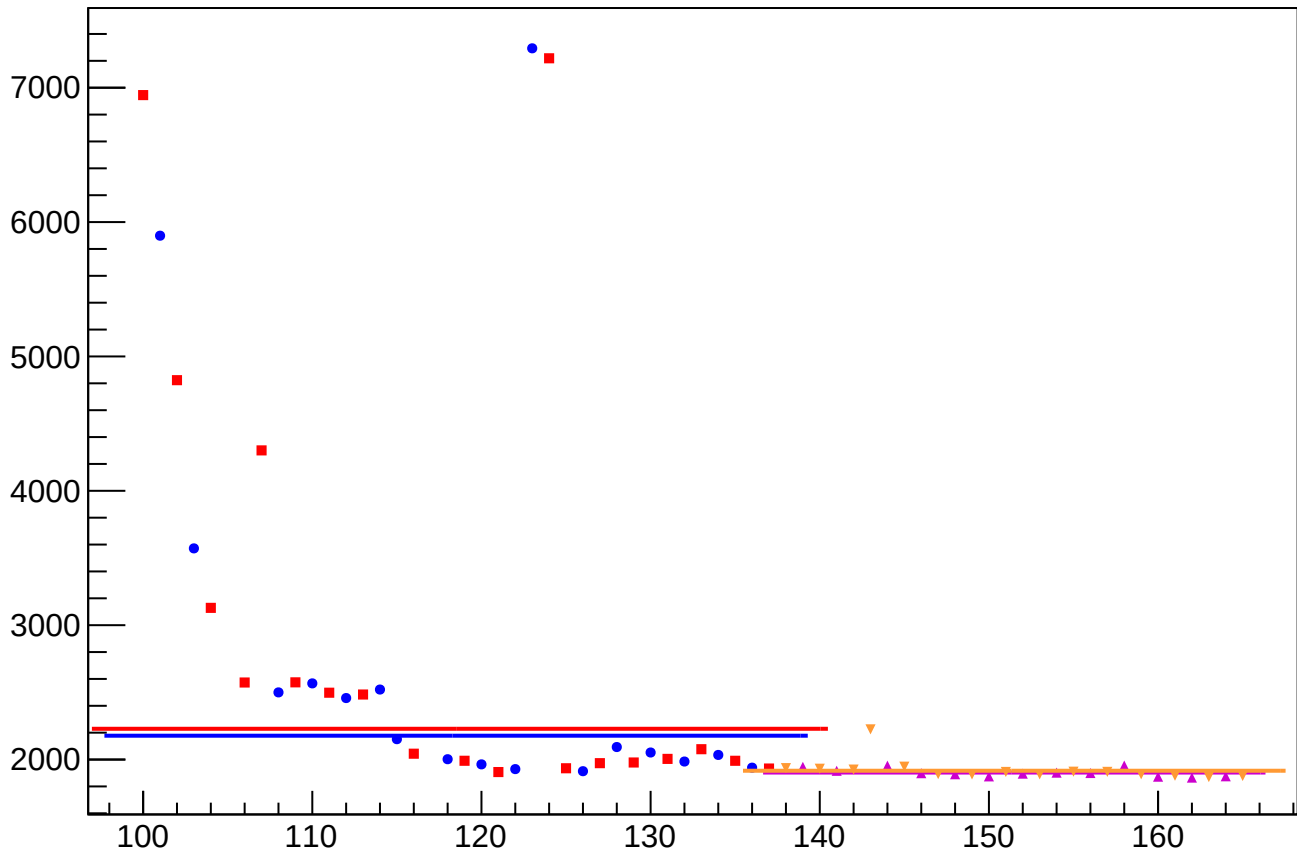
Left In: 430.664 ± 593.546 χ^2/NDF : 21.6/12

+ sign -744.416 ± 480.290 χ^2/NDF : 35.1/31

All: -70.578 ± 342.946 χ^2/NDF : 77.7/63

- sign 630.351 ± 489.850 χ^2/NDF : 38.6/31

asym_at1_dd_rms vs Slug



Right In: 2177.446 $\pm$ 0.617 χ^2 /NDF: 802836.7/16

Left Out: 1916.743 $\pm$ 0.407 χ^2 /NDF: 29236.2/14

Right Out: 2229.014 $\pm$ 0.613 χ^2 /NDF: 895809.1/18

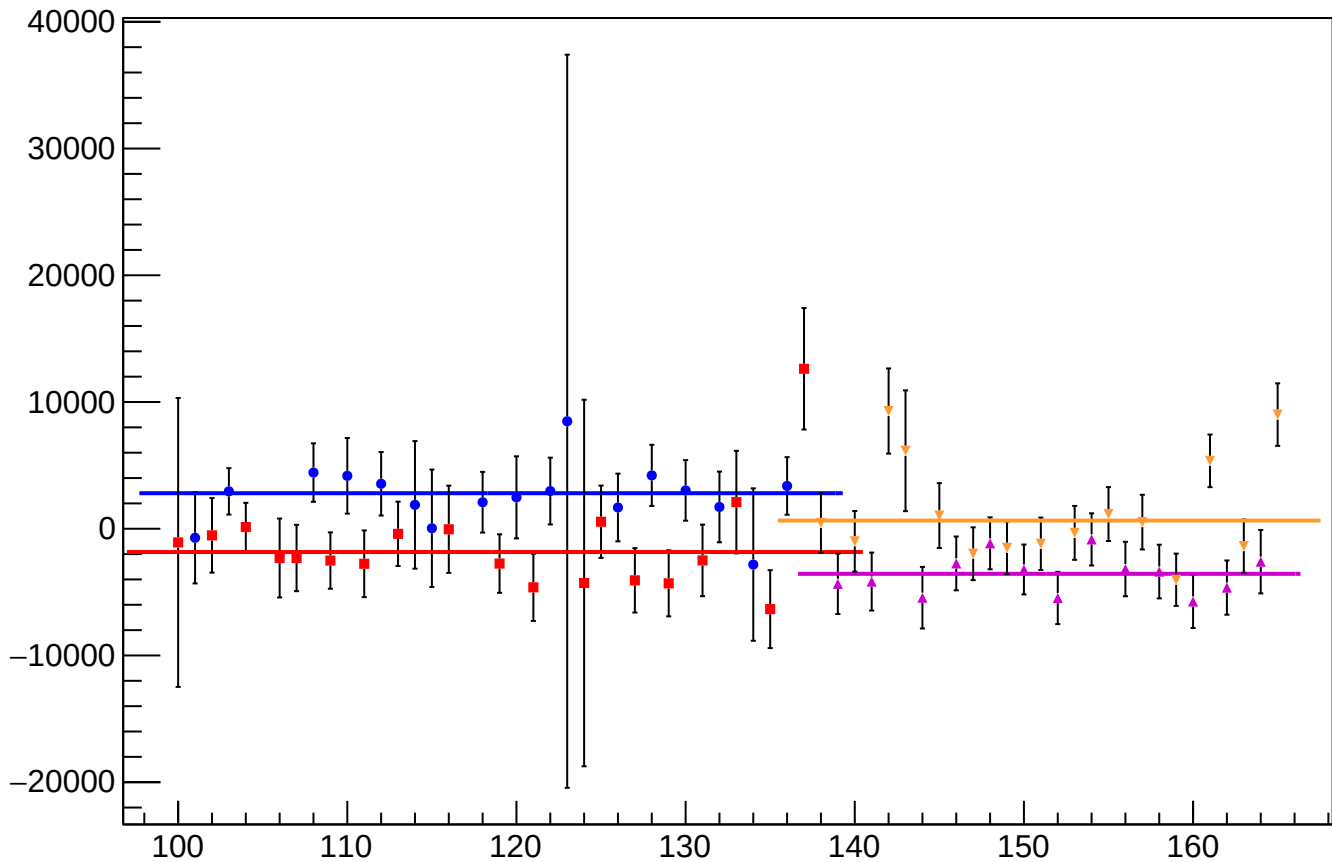
Left In: 1903.275 $\pm$ 0.420 χ^2 /NDF: 4899.3/12

+ sign 1995.847 $\pm$ 0.340 χ^2 /NDF: 956620.3/31

All: 2001.387 $\pm$ 0.242 χ^2 /NDF: 2049961.0/63

- sign 2007.150 $\pm$ 0.346 χ^2 /NDF: 1092797.8/31

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: 646.961 $\pm$ 592.134 χ^2 /NDF:34.9/14

Right Out: -1837.168 $\pm$ 655.307 χ^2 /NDF: 18.0/18

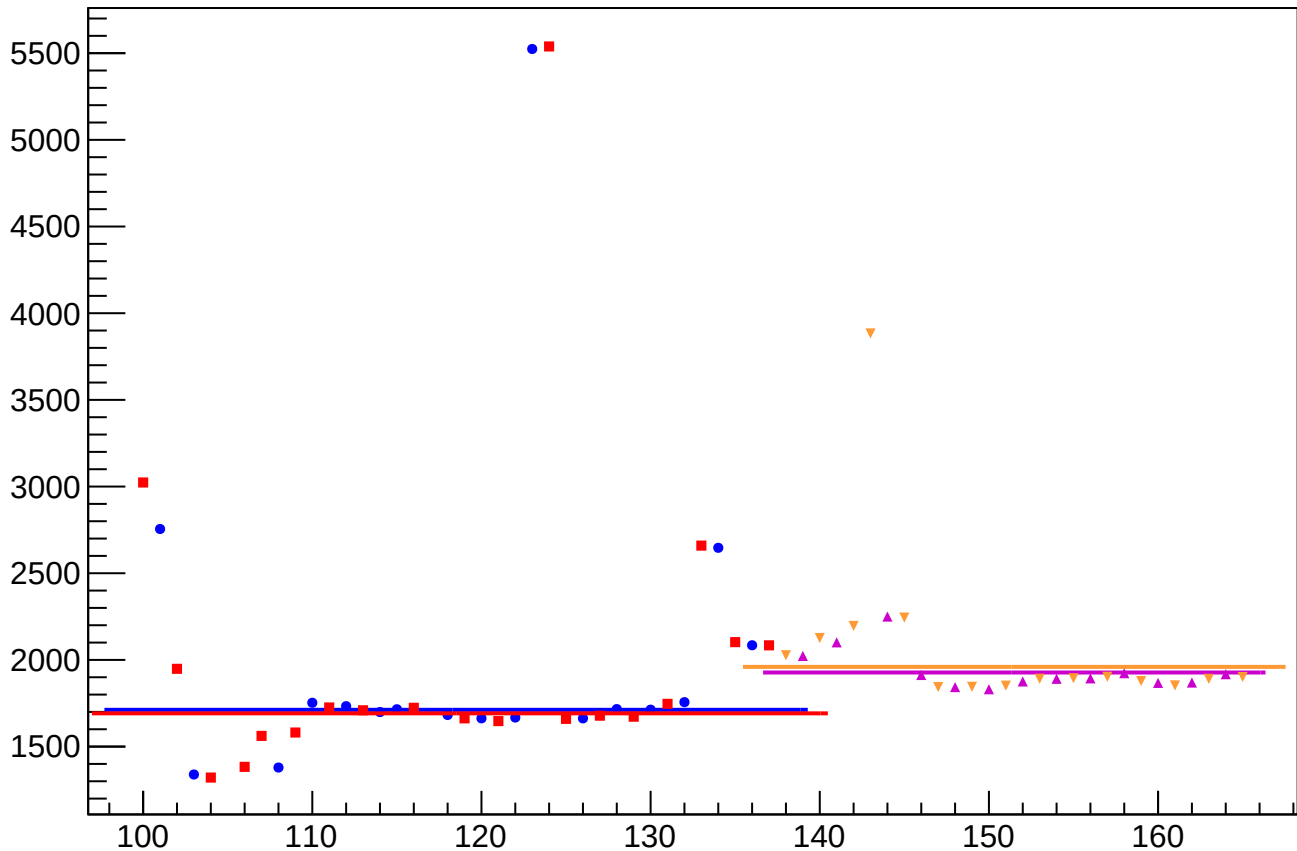
Left In: -3557.252 $\pm$ 600.526 χ^2 /NDF:6.5/12

+ sign 1579.428 $\pm$ 446.146 χ^2 /NDF: 44.5/31

All: -613.020 $\pm$ 314.261 χ^2 /NDF: 120.7/63

- sign -2772.100 $\pm$ 442.738 χ^2 /NDF: 28.3/31

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 1959.800+/-0.419 χ^2/NDF : 406678.7/14

Right Out: 1691.747+/-0.463 χ^2/NDF : 454922.1/18

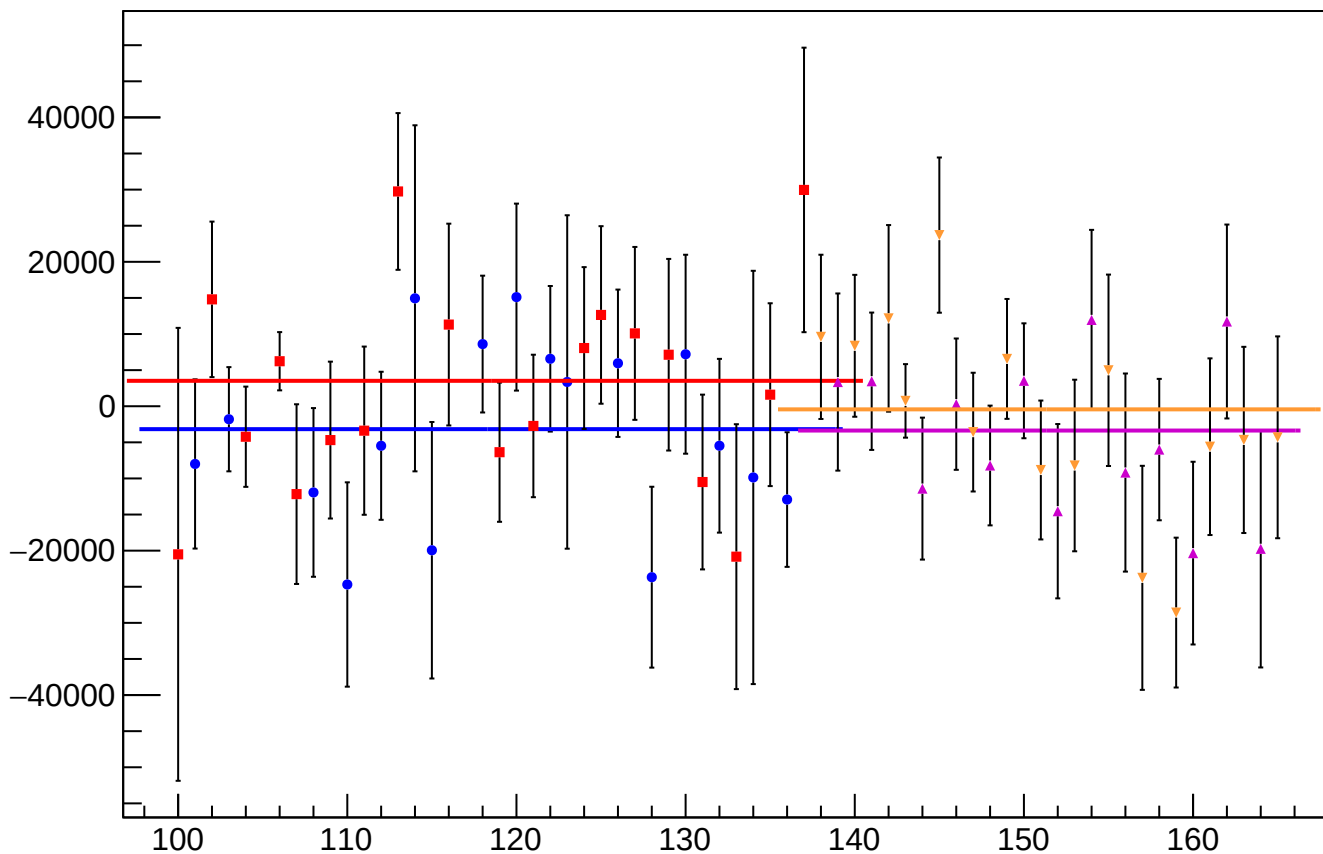
Left In: 1927.340+/-0.425 χ^2/NDF : 63880.8/12

+ sign 1852.741+/-0.315 χ^2/NDF : 990390.2/31

All: 1836.144+/-0.222 χ^2/NDF : 1655194.6/63

- sign 1819.800+/-0.313 χ^2/NDF : 659311.1/31

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: -432.853 $\pm$ 2536.266 χ^2 /NDF:19.8/14

Right Out: 3520.105 $\pm$ 2266.532 χ^2 /NDF: 19.5/18

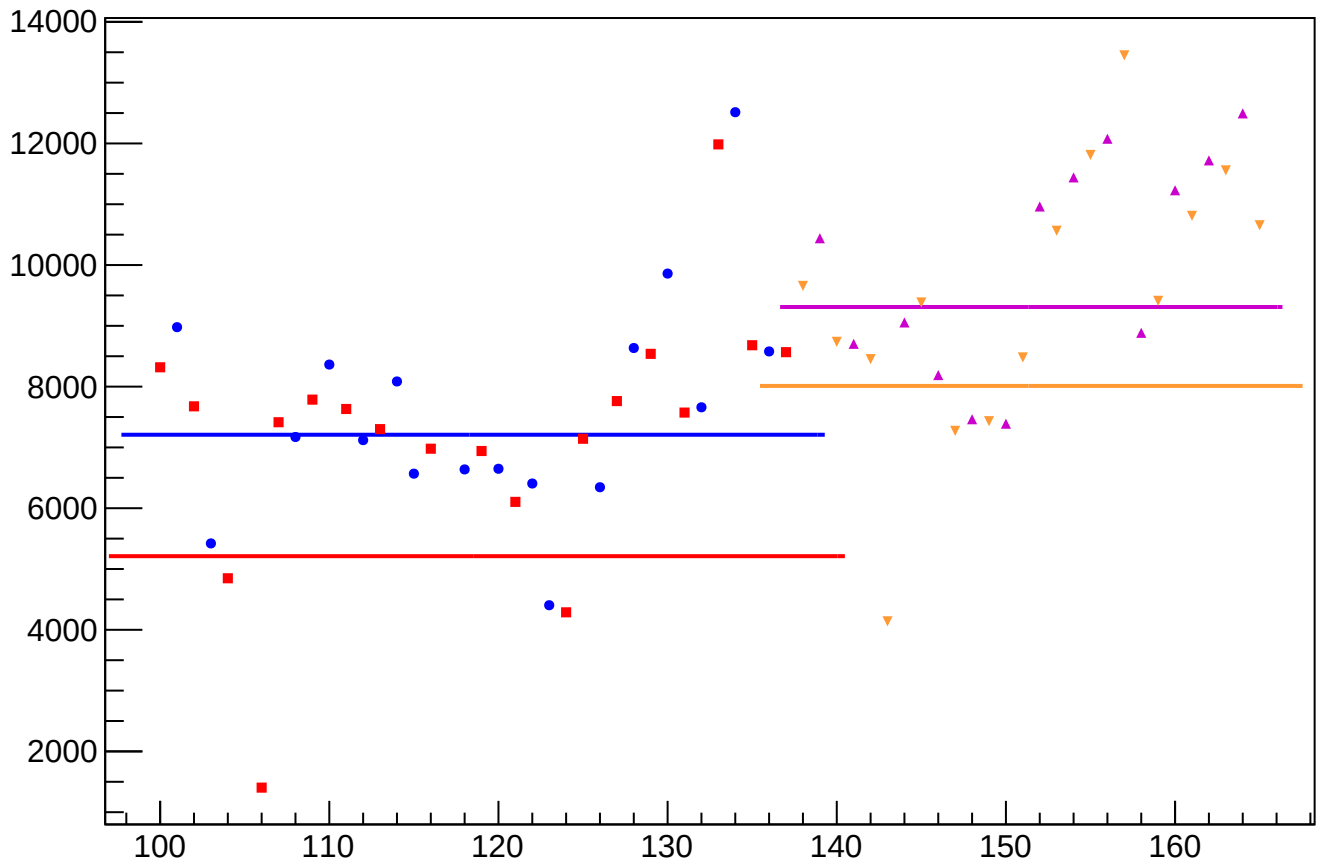
Left In: -3365.918 $\pm$ 2948.740 χ^2 /NDF:9.4/12

+ sign -1643.029 $\pm$ 1895.242 χ^2 /NDF: 34.7/31

All: -270.894 $\pm$ 1304.025 χ^2 /NDF: 68.1/63

- sign 962.698 $\pm$ 1797.017 χ^2 /NDF: 32.4/31

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567 $\pm$ 2.017 χ^2 /NDF: 469302.0/16

Left Out: 8011.448 $\pm$ 1.793 χ^2 /NDF:2141103.3/14

Right Out: 5211.187 $\pm$ 1.603 χ^2 /NDF: 3196870.2/18

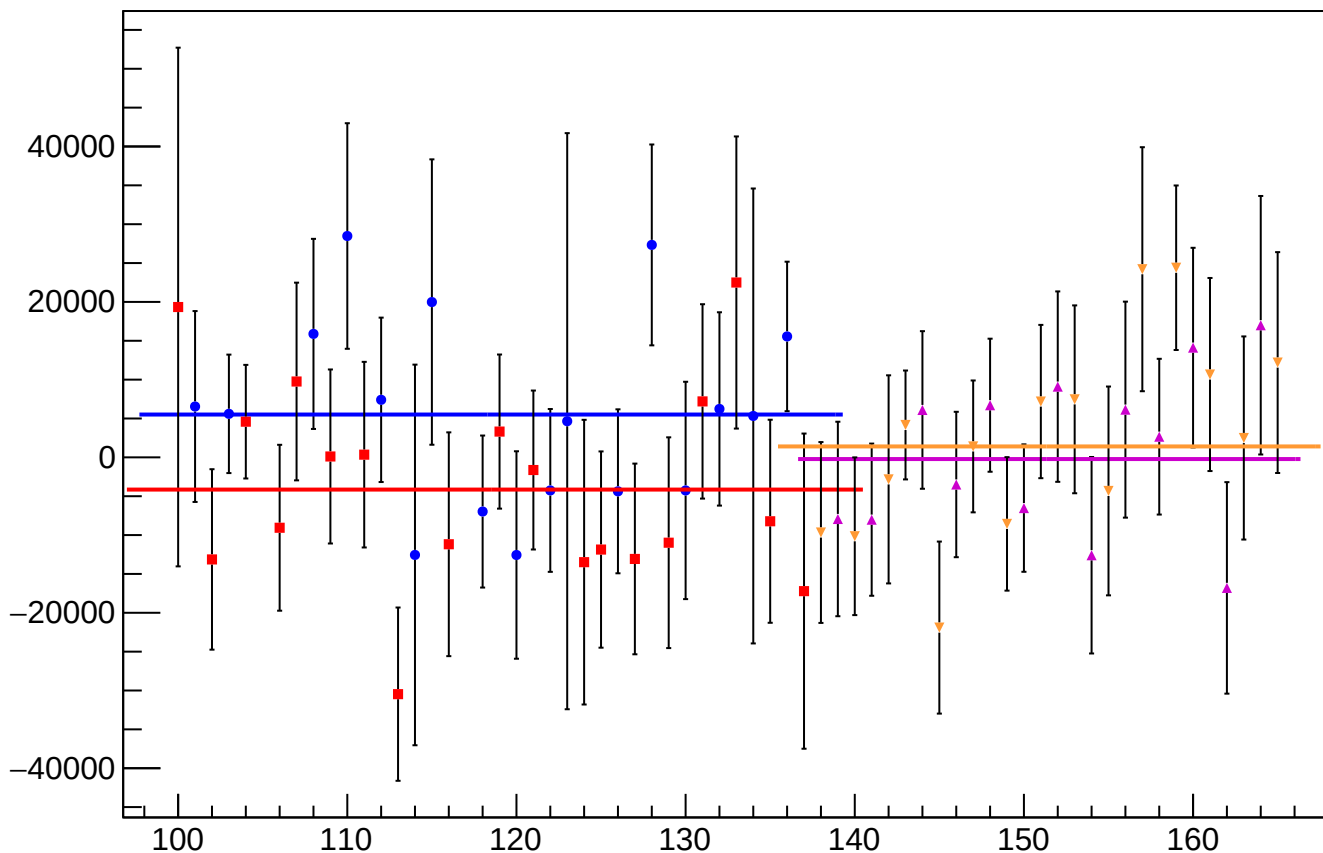
Left In: 9309.804 $\pm$ 2.085 χ^2 /NDF:639092.0/12

+ sign 7656.890 $\pm$ 1.340 χ^2 /NDF: 2698912.5/31

All: 7170.582 $\pm$ 0.922 χ^2 /NDF: 9213857.0/63

- sign 6733.376 $\pm$ 1.271 χ^2 /NDF: 6264878.0/31

asym_at2_avg_mean vs Slug



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: 1404.645 $\pm$ 2756.511 χ^2 /NDF:17.0/14

Right Out: -4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

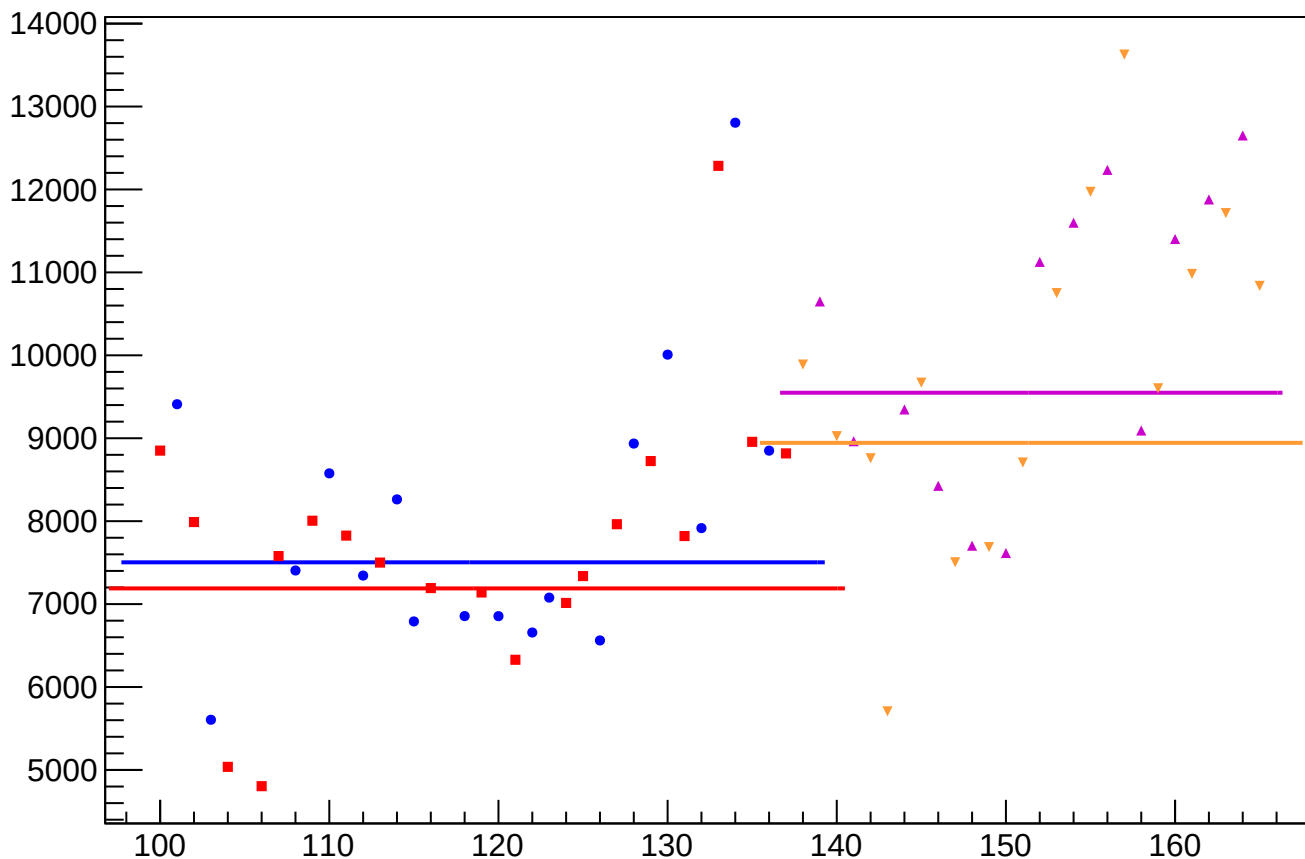
Left In: -218.753 $\pm$ 3020.153 χ^2 /NDF:8.4/12

+ sign 3303.494 $\pm$ 2020.735 χ^2 /NDF: 32.1/31

All: 522.753 $\pm$ 1438.921 χ^2 /NDF: 60.7/63

- sign -2337.587 $\pm$ 2049.453 χ^2 /NDF: 24.7/31

asym_at2_avg_rms vs Slug



Right In: 7503.667+/-2.101 χ^2/NDF : 427313.5/16

Left Out: 8944.452+/-1.949 χ^2/NDF : 1062004.6/14

Right Out: 7189.231+/-1.973 χ^2/NDF : 557703.4/18

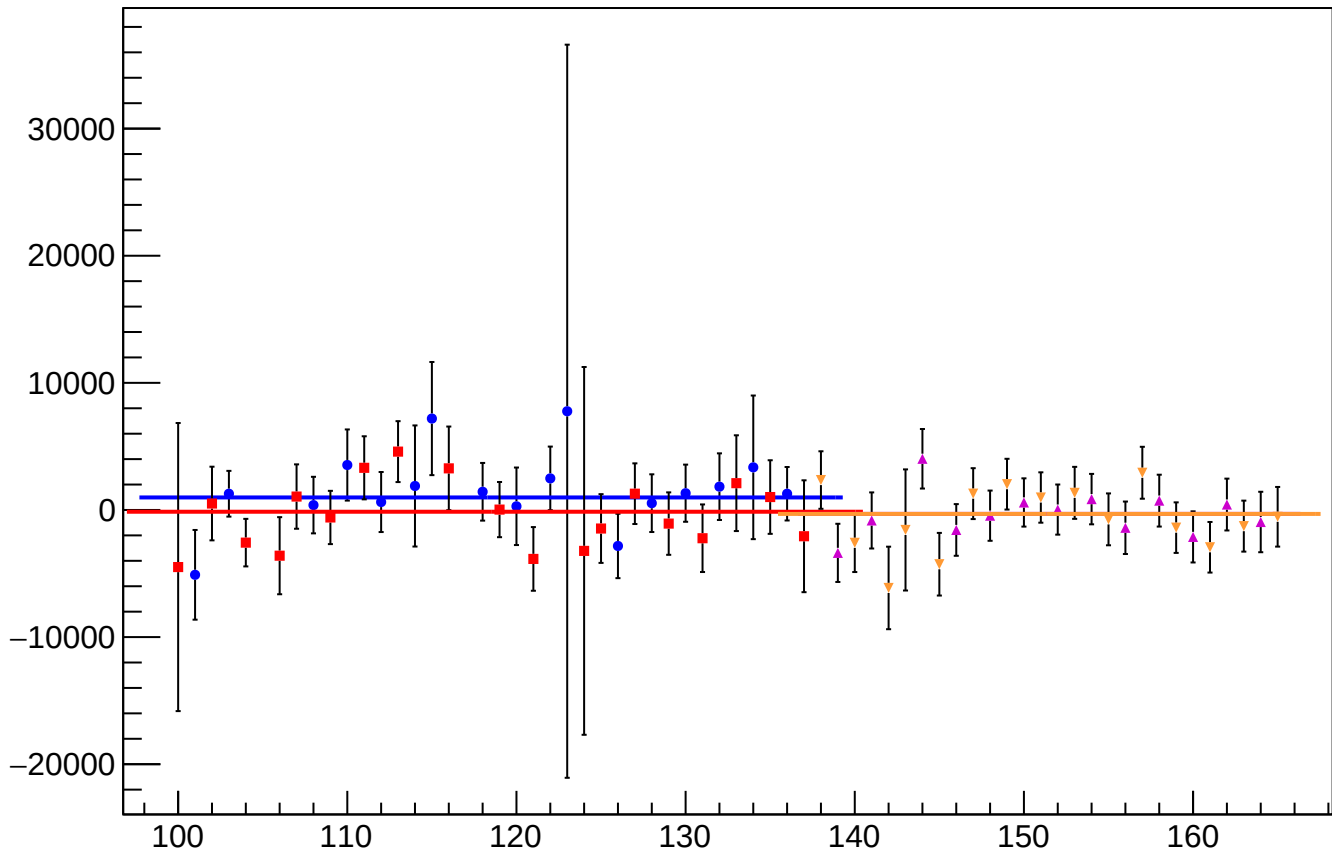
Left In: 9548.737+/-2.136 χ^2/NDF : 590892.0/12

+ sign 8277.929+/-1.429 χ^2/NDF : 1742087.5/31

All: 8276.783+/-1.017 χ^2/NDF : 3549353.1/63

- sign 8275.604+/-1.449 χ^2/NDF : 1807264.2/31

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 ± 644.630 χ^2/NDF : 9.1/16

Left Out: -310.778 ± 568.110 χ^2/NDF : 16.2/14

Right Out: -138.627 ± 623.555 χ^2/NDF : 14.7/18

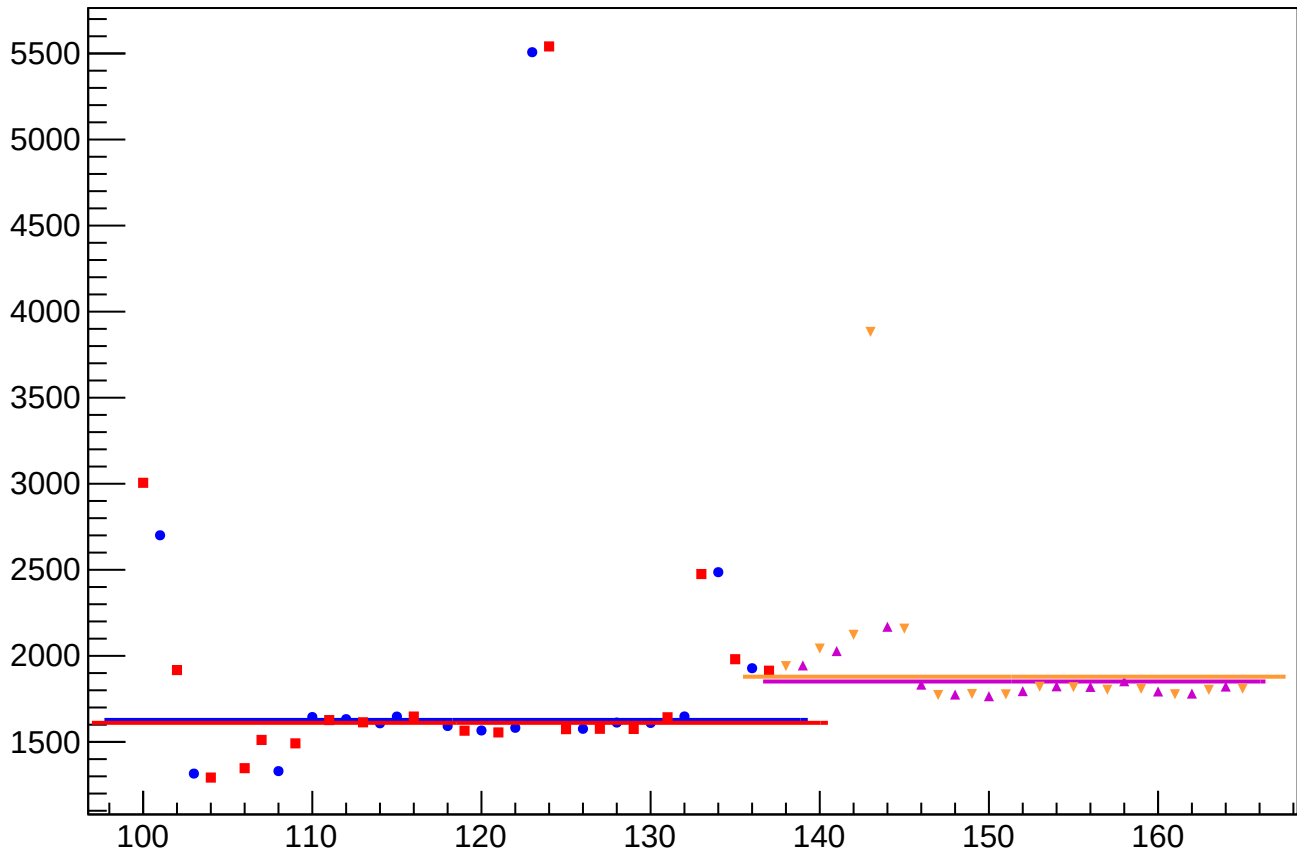
Left In: -308.455 ± 576.791 χ^2/NDF : 7.8/12

+ sign 255.874 ± 426.214 χ^2/NDF : 27.5/31

All: 11.266 ± 300.386 χ^2/NDF : 50.7/63

- sign -230.147 ± 423.421 χ^2/NDF : 22.5/31

reg_asym_at2_dd_rms vs Slug



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

Left Out: 1878.963+/-0.402 χ^2/NDF : 436884.5/14

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

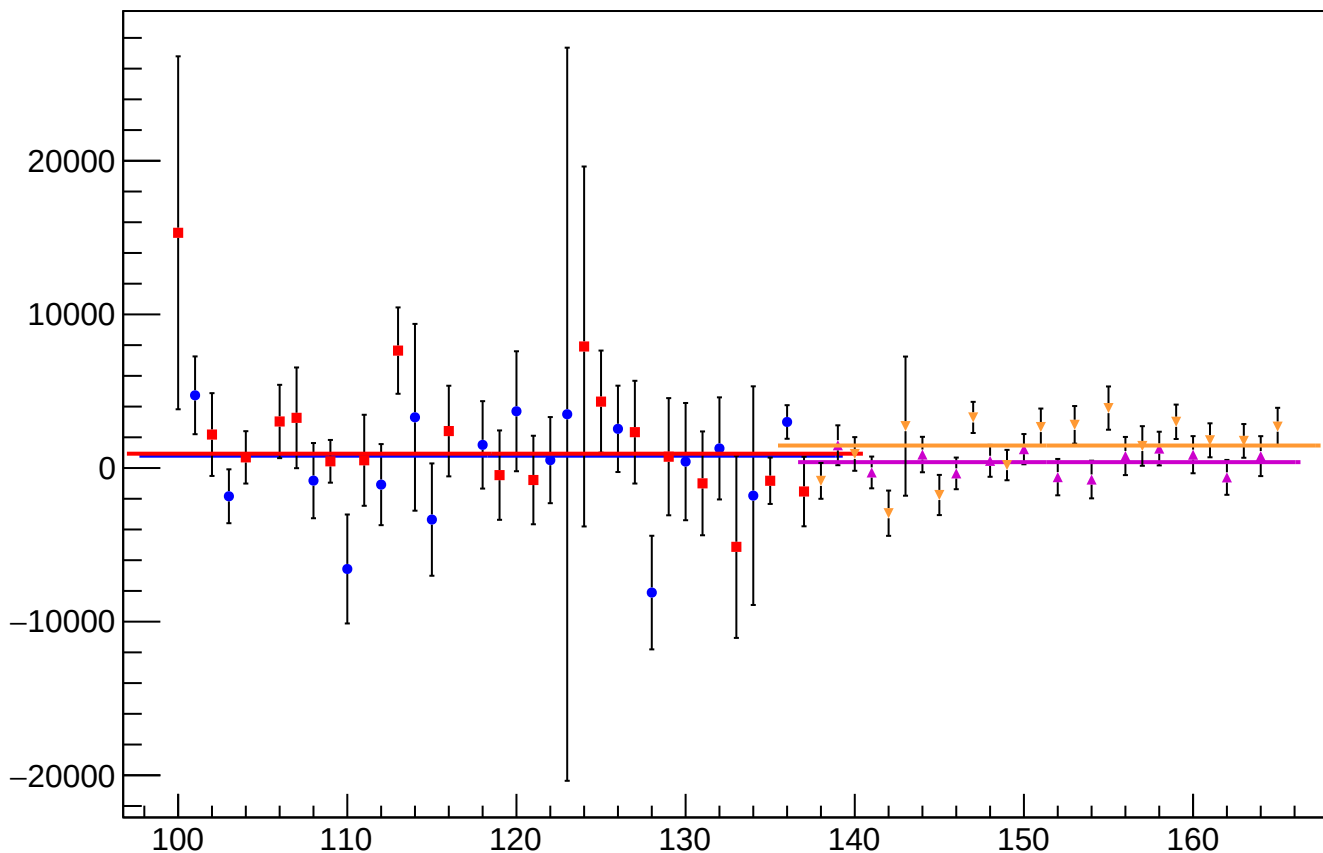
Left In: 1851.017+/-0.408 χ^2/NDF : 67063.5/12

+ sign 1769.182+/-0.301 χ^2/NDF : 1014830.0/31

All: 1754.657+/-0.212 χ^2/NDF : 1680226.9/63

- sign 1740.321+/-0.299 χ^2/NDF : 660781.4/31

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 ± 631.676 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 1465.062 ± 312.649 $\chi^2/\text{NDF}: 32.4/14$

Right Out: 933.645 ± 589.727 $\chi^2/\text{NDF}: 15.3/18$

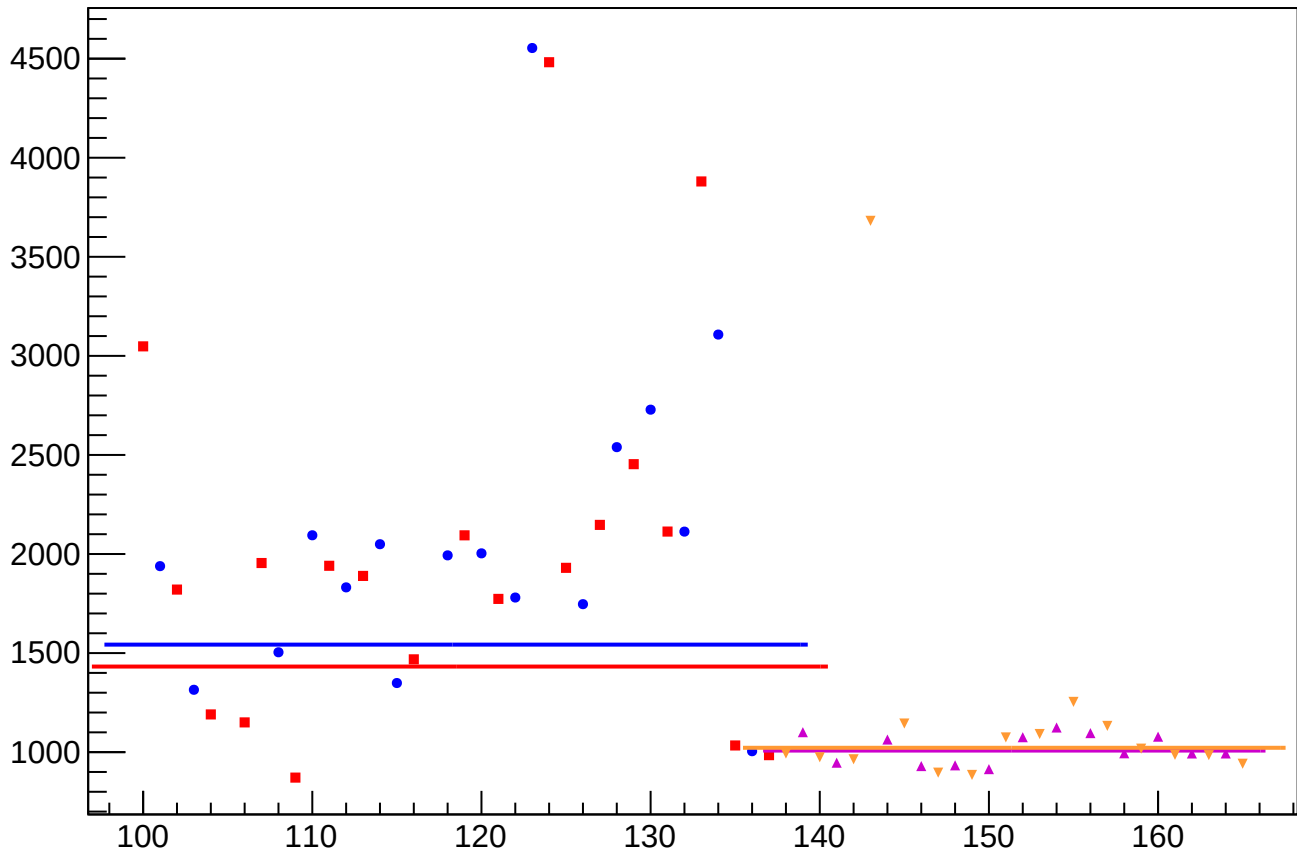
Left In: 383.123 ± 314.760 $\chi^2/\text{NDF}: 5.9/12$

+ sign 1334.796 ± 280.205 $\chi^2/\text{NDF}: 55.7/31$

All: 916.238 ± 197.237 $\chi^2/\text{NDF}: 82.0/63$

- sign 505.183 ± 277.683 $\chi^2/\text{NDF}: 21.8/31$

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705 $\pm$ 0.447 χ^2 /NDF: 1287946.3/16

Left Out: 1022.034 $\pm$ 0.221 χ^2 /NDF: 876343.6/14

+ sign 1124.487 $\pm$ 0.198 χ^2 /NDF: 3255748.7/31

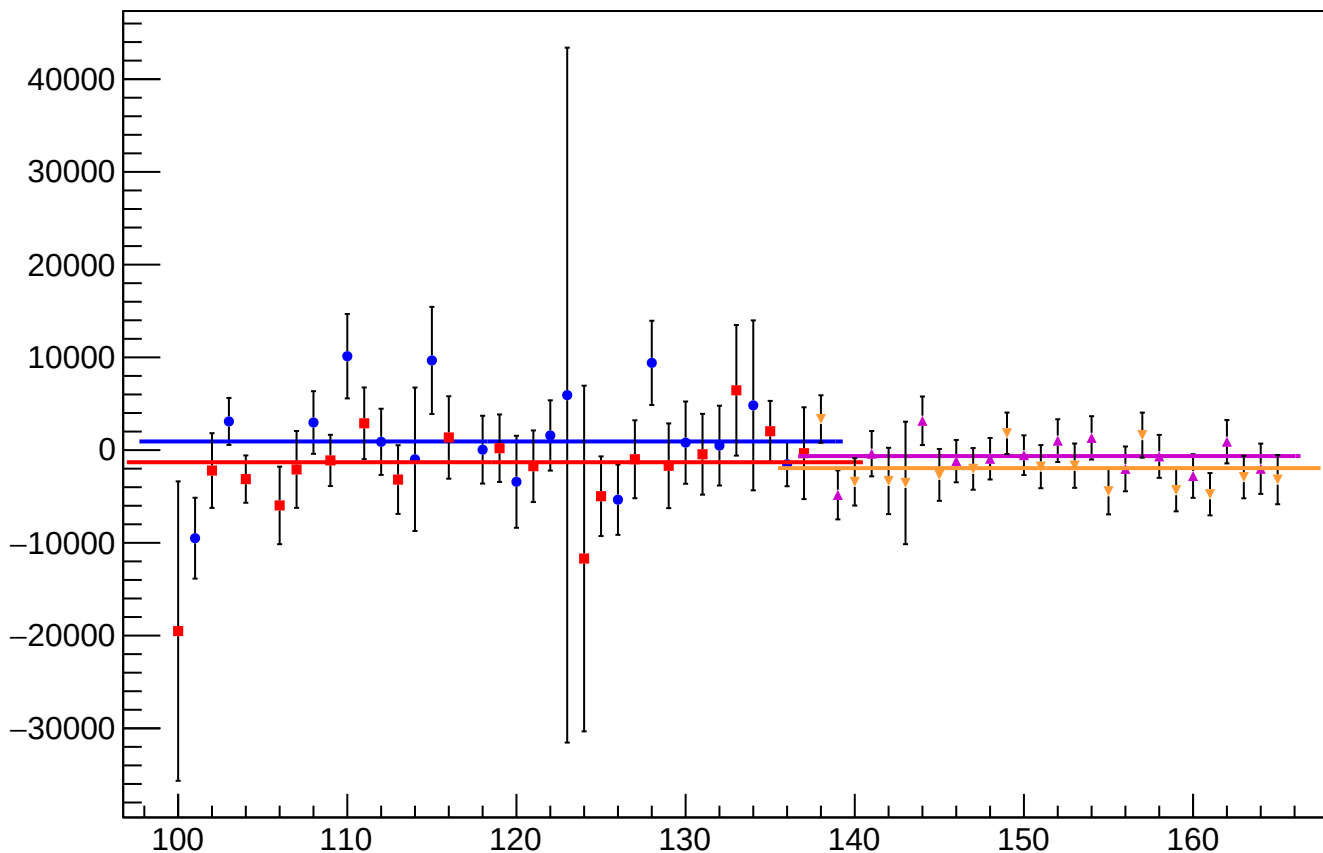
Right Out: 1432.013 $\pm$ 0.417 χ^2 /NDF: 1823809.4/18

All: 1113.138 $\pm$ 0.139 χ^2 /NDF: 5994887.0/63

Left In: 1007.977 $\pm$ 0.223 χ^2 /NDF: 104056.7/12

- sign 1101.993 $\pm$ 0.196 χ^2 /NDF: 2732635.2/31

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1943.202 ± 653.563 χ^2/NDF : 13.9/14

Right Out: -1307.802 ± 925.415 χ^2/NDF : 8.5/18

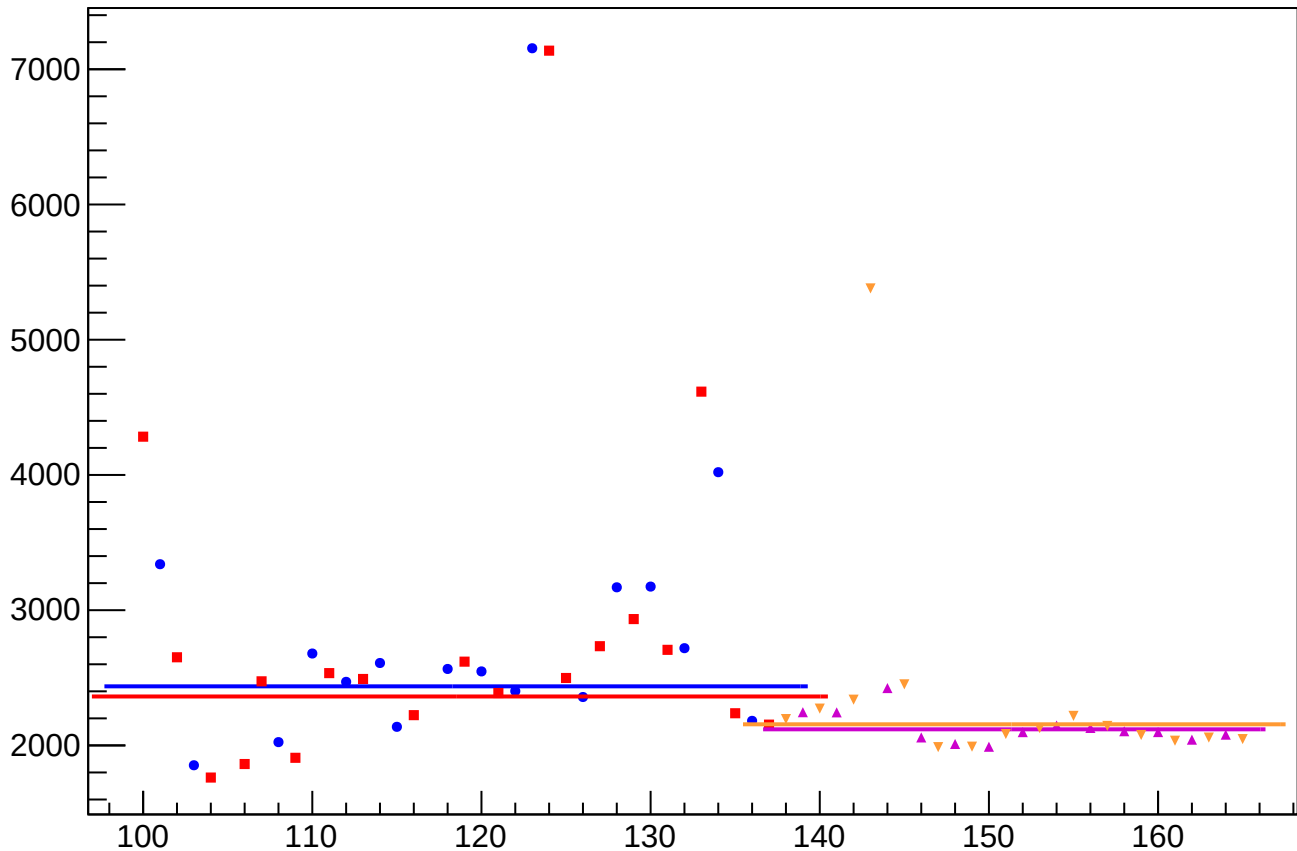
Left In: -643.419 ± 660.069 χ^2/NDF : 7.8/12

+ sign -1042.595 ± 541.652 χ^2/NDF : 41.6/31

All: -954.328 ± 381.486 χ^2/NDF : 58.2/63

- sign -867.449 ± 537.379 χ^2/NDF : 16.6/31

asym_at2_dd_rms vs Slug



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2156.128+/-0.462 χ^2/NDF : 549500.1/14

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

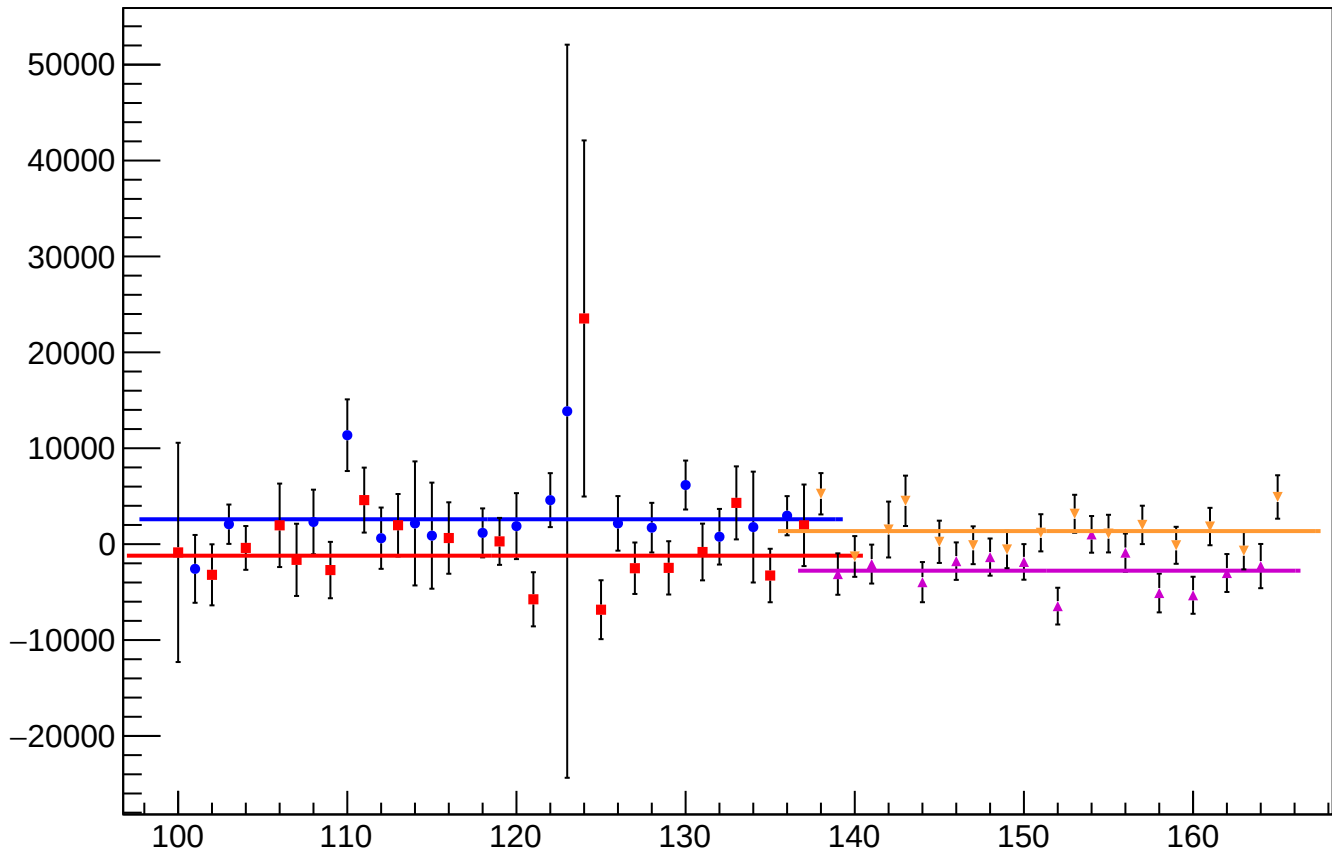
Left In: 2118.979+/-0.467 χ^2/NDF : 53626.6/12

+ sign 2244.036+/-0.383 χ^2/NDF : 1134080.1/31

All: 2222.290+/-0.270 χ^2/NDF : 1941278.3/63

- sign 2200.885+/-0.380 χ^2/NDF : 800801.6/31

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684+/-743.000 χ^2/NDF : 11.7/16

Left Out: 1361.869+/-538.626 χ^2/NDF : 13.2/14

Right Out: -1202.548+/-739.618 χ^2/NDF : 17.2/18

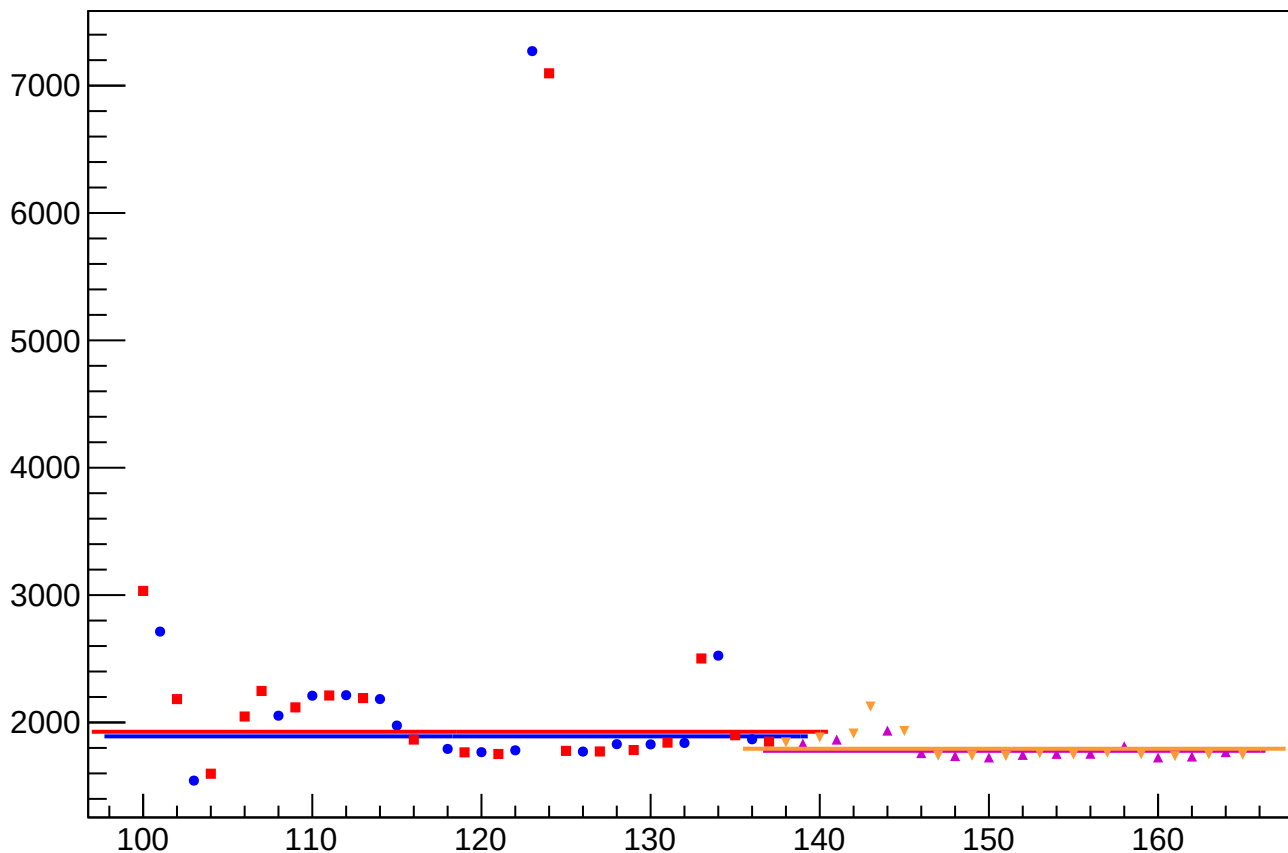
Left In: -2767.920+/-553.939 χ^2/NDF : 13.2/12

+ sign 1786.561+/-436.091 χ^2/NDF : 26.7/31

All: -176.360+/-310.906 χ^2/NDF : 101.2/63

- sign -2205.393+/-443.374 χ^2/NDF : 33.3/31

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1793.690+/-0.381 χ^2/NDF : 59478.8/14

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

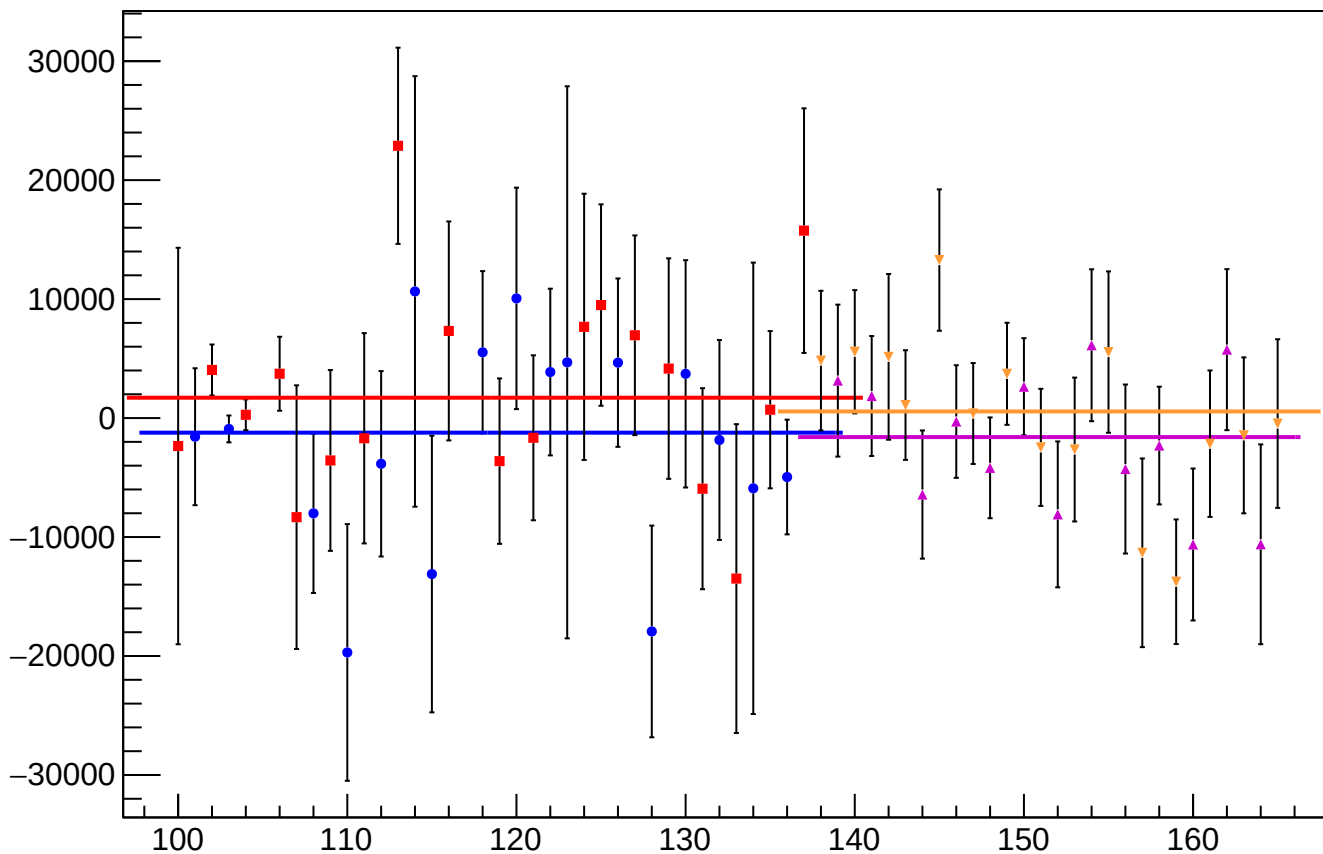
Left In: 1777.386+/-0.392 χ^2/NDF : 23526.7/12

+ sign 1827.116+/-0.308 χ^2/NDF : 370783.0/31

All: 1829.145+/-0.220 χ^2/NDF : 809151.9/63

- sign 1831.241+/-0.313 χ^2/NDF : 438280.8/31

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915 $\pm$ 984.603 χ^2/NDF : 13.8/16

Left Out: 557.409 $\pm$ 1436.608 χ^2/NDF :18.3/14

Right Out: 1711.747 $\pm$ 941.580 χ^2/NDF : 17.8/18

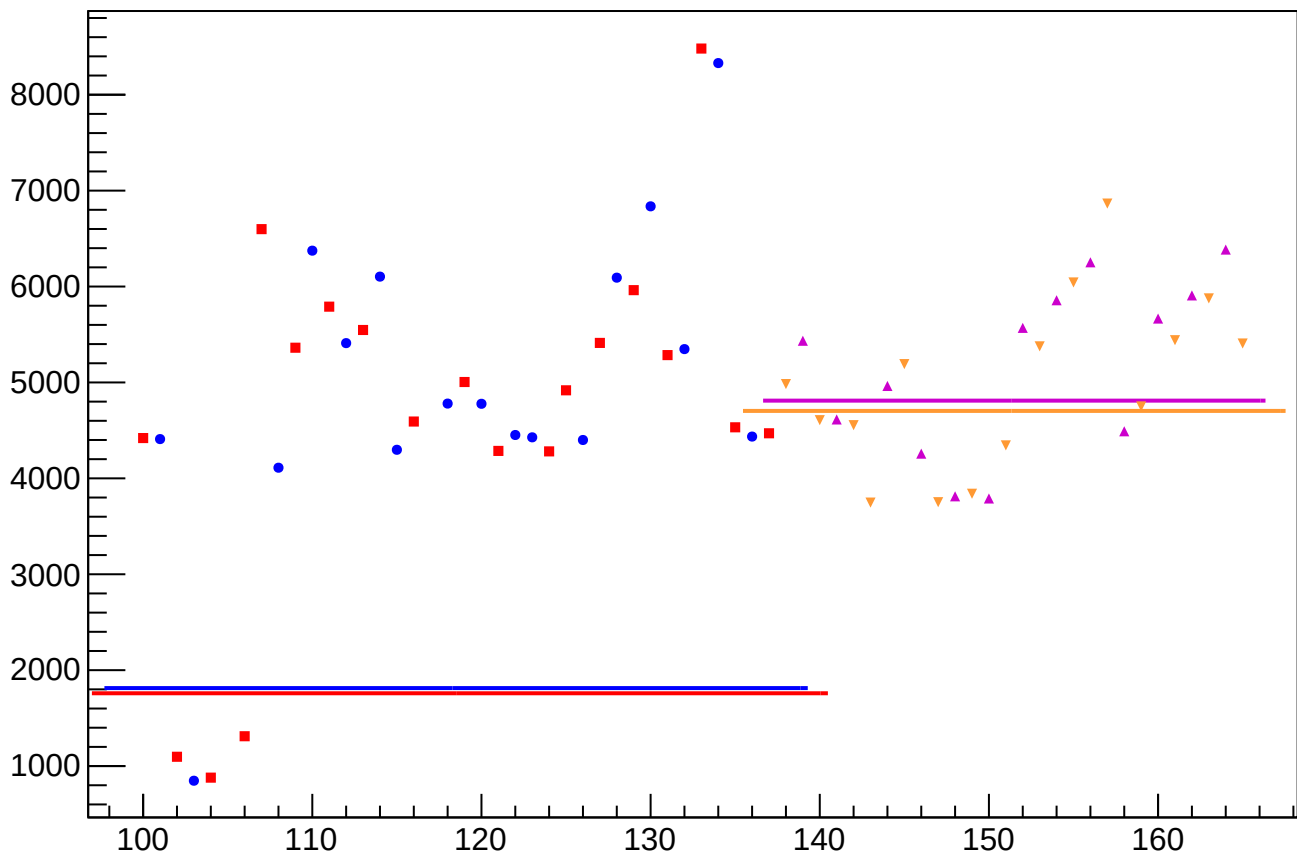
Left In: -1598.425 $\pm$ 1523.204 χ^2/NDF :10.4/12

+ sign -656.642 $\pm$ -812.162 χ^2/NDF : 33.1/31

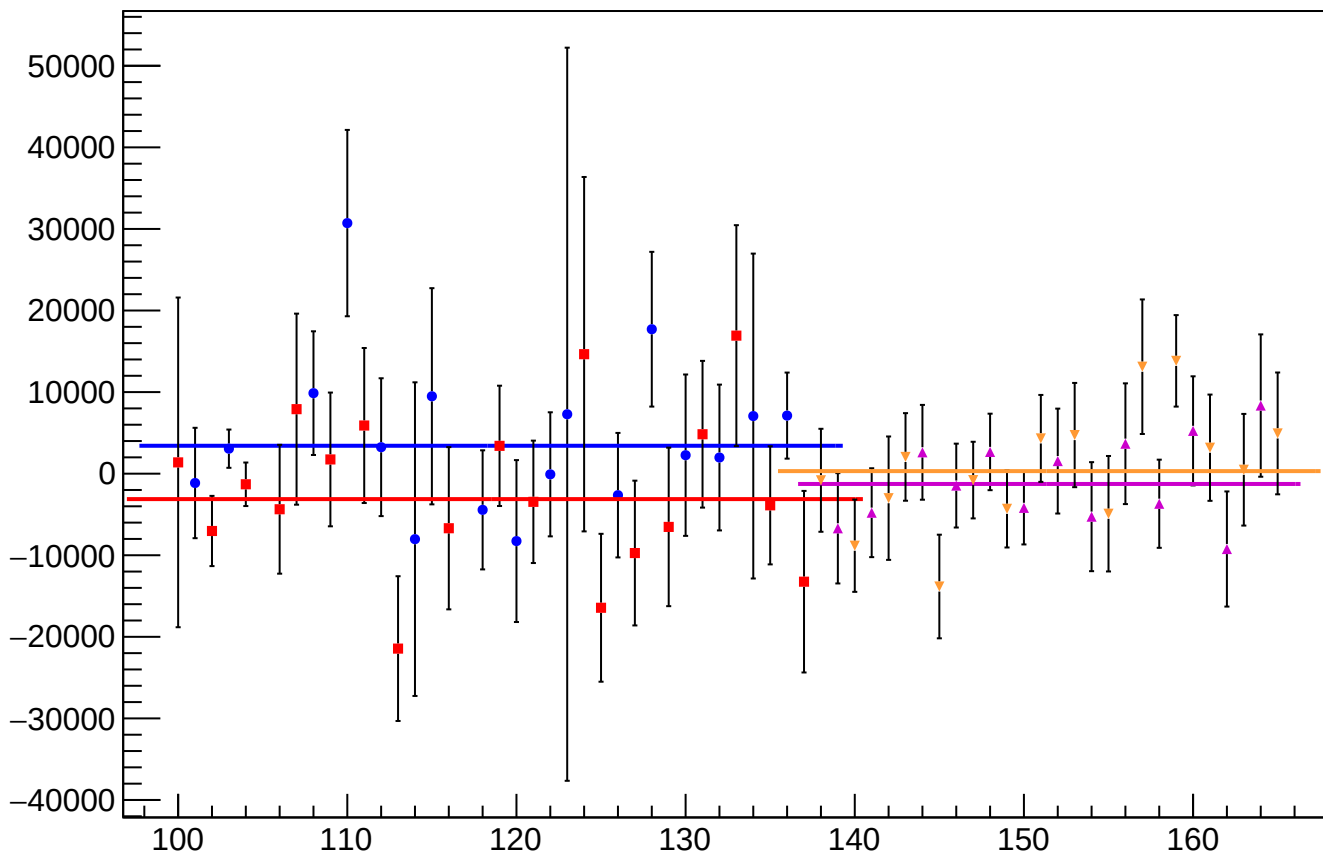
All: 80.100 $\pm$ -570.266 χ^2/NDF : 66.4/63

- sign 796.573 $\pm$ -800.912 χ^2/NDF : 31.7/31

asym_atl1r2_avg_correction_rms vs Slug



asym_atl1r2_avg_mean vs Slug



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: 312.635+/-1557.520 χ^2/NDF :19.3/14

Right Out: -3117.857+/-1605.930 χ^2/NDF : 16.0/18

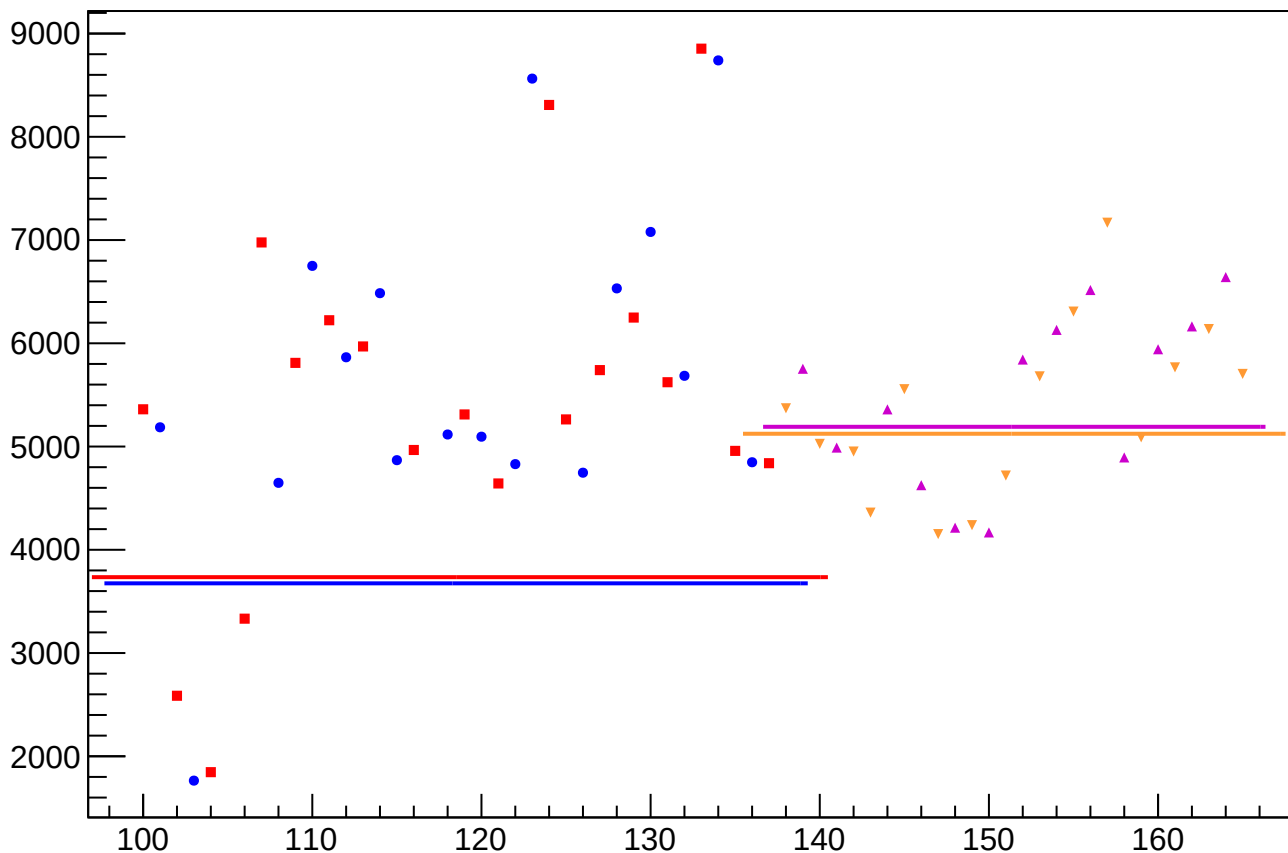
Left In: -1262.250+/-1637.637 χ^2/NDF :7.3/12

+ sign 1818.667+/-1118.308 χ^2/NDF : 34.9/31

All: -144.451+/-800.582 χ^2/NDF : 65.2/63

- sign -2208.191+/-1146.610 χ^2/NDF : 23.9/31

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003 ± 1.136 χ^2/NDF : 2775085.7/16

Left Out: 5123.844 ± 1.101 χ^2/NDF : 490835.4/14

Right Out: 3734.796 ± 1.128 χ^2/NDF : 2693929.0/18

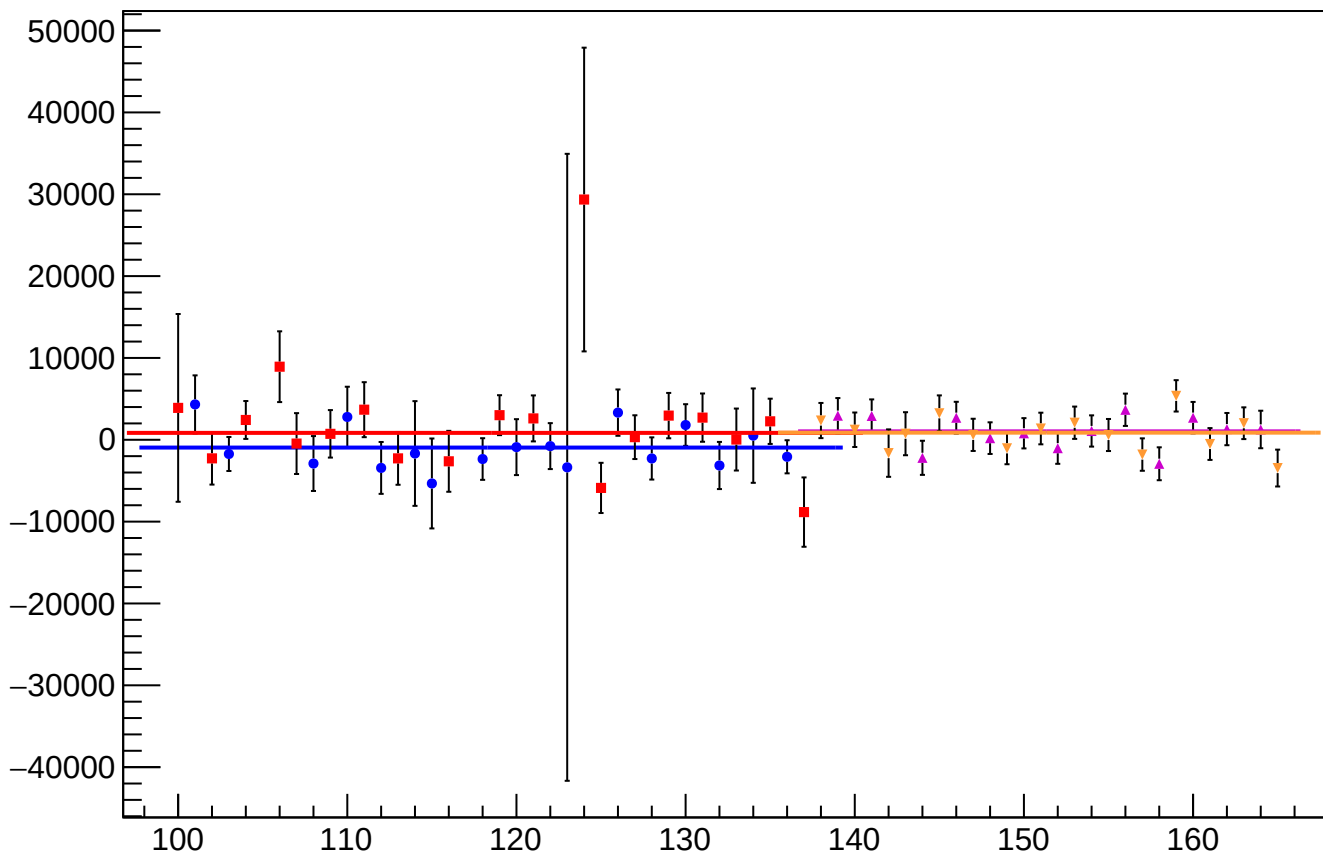
Left In: 5191.204 ± 1.158 χ^2/NDF : 481900.4/12

+ sign 4421.926 ± 0.791 χ^2/NDF : 4104355.6/31

All: 4432.684 ± 0.565 χ^2/NDF : 8092209.3/63

- sign 4443.916 ± 0.808 χ^2/NDF : 3987475.4/31

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 871.549 ± 536.294 χ^2/NDF : 15.8/14

Right Out: 843.515 ± 737.527 χ^2/NDF : 22.5/18

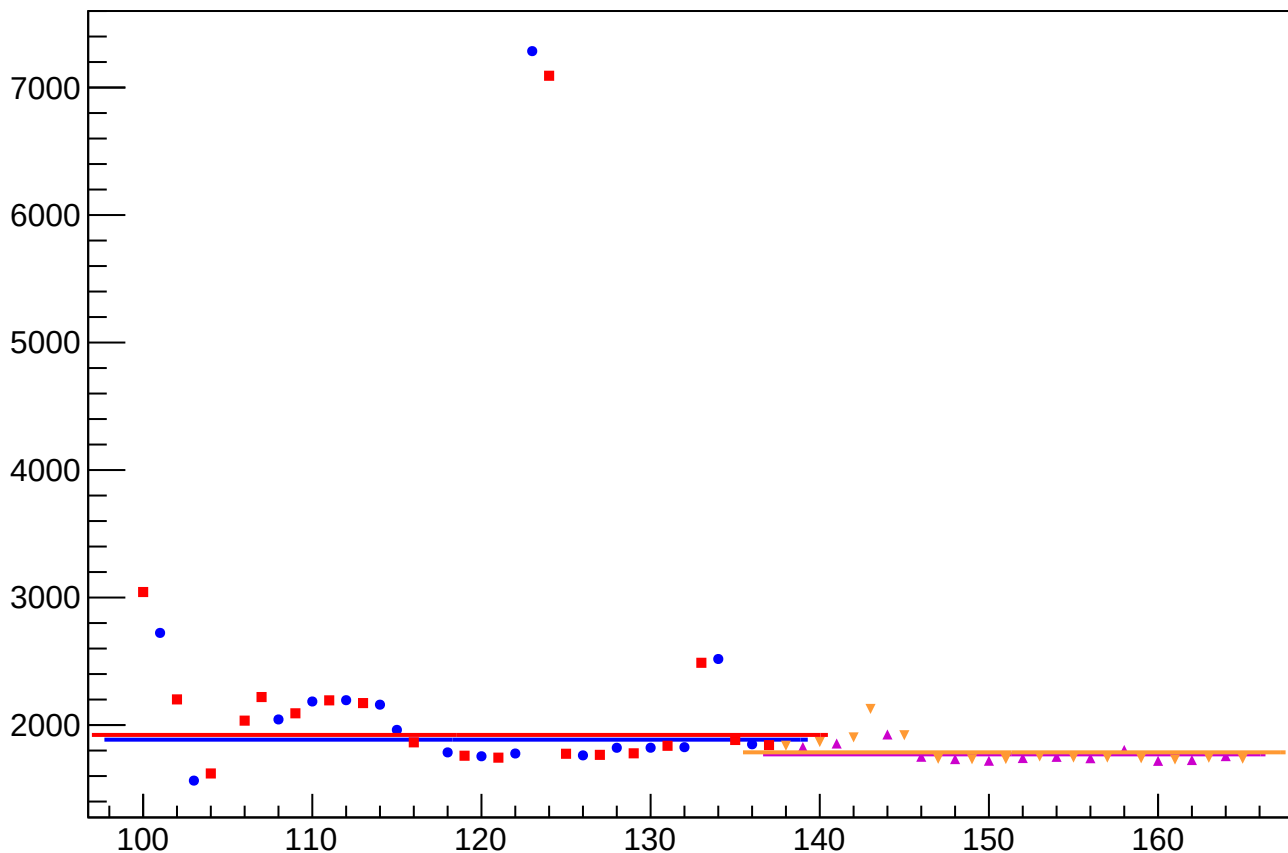
Left In: 1028.905 ± 551.644 χ^2/NDF : 12.6/12

+ sign 244.554 ± 434.381 χ^2/NDF : 29.7/31

All: 597.441 ± 309.725 χ^2/NDF : 66.2/63

- sign 962.397 ± 441.746 χ^2/NDF : 35.2/31

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1785.962+/-0.379 χ^2/NDF : 59955.1/14

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

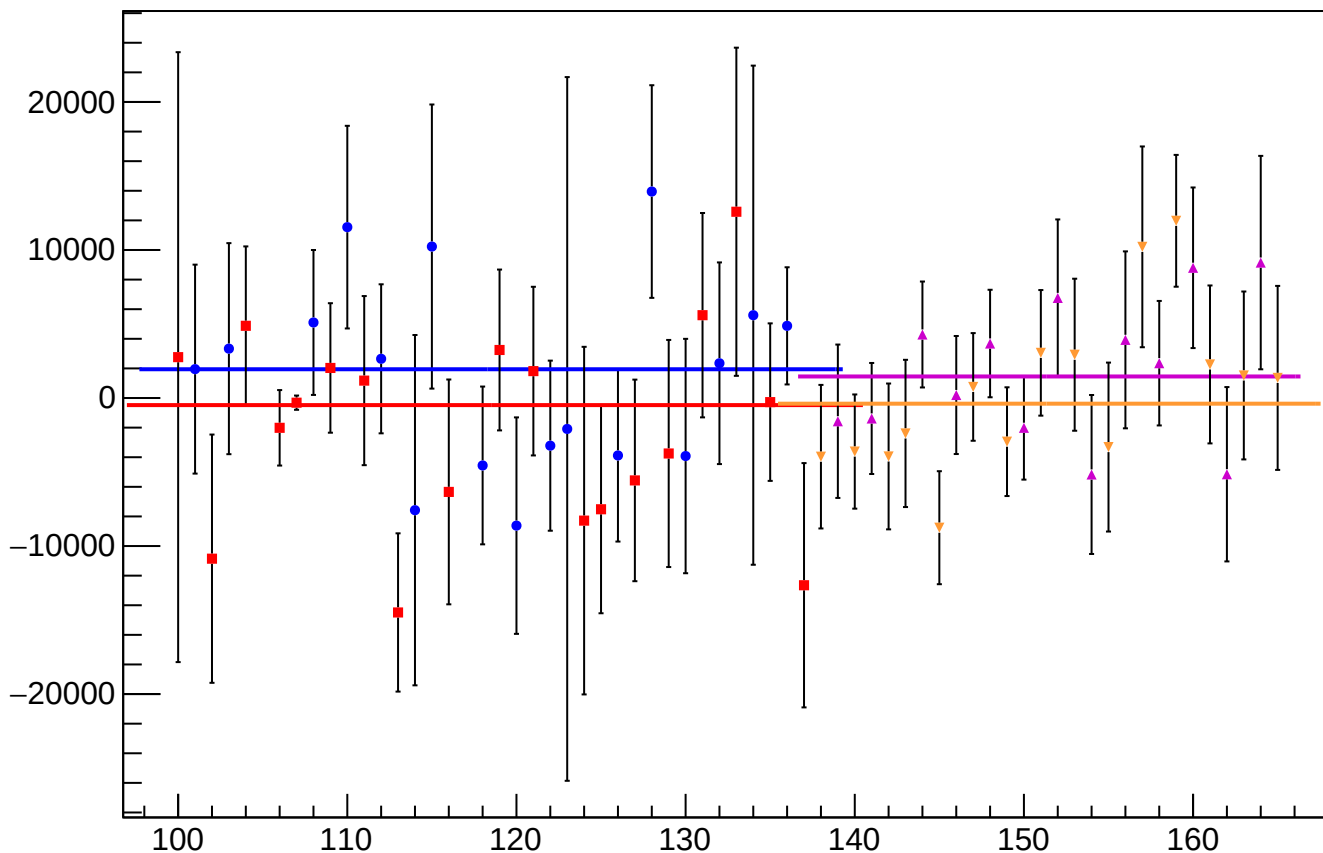
Left In: 1770.054+/-0.390 χ^2/NDF : 22780.5/12

+ sign 1820.150+/-0.307 χ^2/NDF : 364014.9/31

All: 1822.470+/-0.219 χ^2/NDF : 793355.0/63

- sign 1824.867+/-0.312 χ^2/NDF : 429224.0/31

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178 $\pm$ 1581.060 χ^2 /NDF: 13.2/16

Left Out: -383.175 $\pm$ 1196.749 χ^2 /NDF: 19.2/14

Right Out: -478.828 $\pm$ 453.684 χ^2 /NDF: 18.1/18

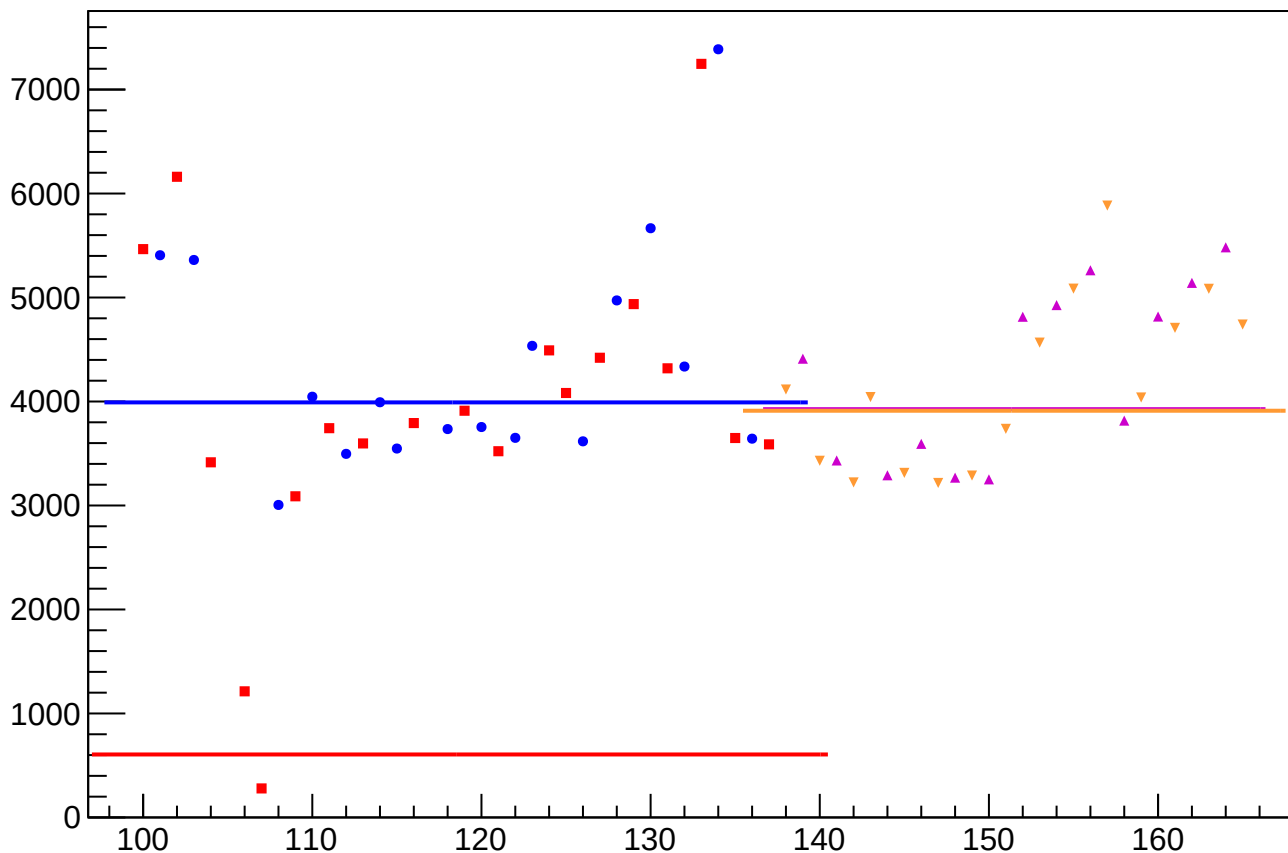
Left In: 1455.817 $\pm$ 1246.470 χ^2 /NDF: 10.0/12

+ sign 464.195 $\pm$ 954.217 χ^2 /NDF: 33.8/31

All: -133.255 $\pm$ 389.241 χ^2 /NDF: 64.4/63

- sign -252.512 $\pm$ 426.323 χ^2 /NDF: 30.2/31

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3911.240+/-0.846 χ^2/NDF : 711990.5/14

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

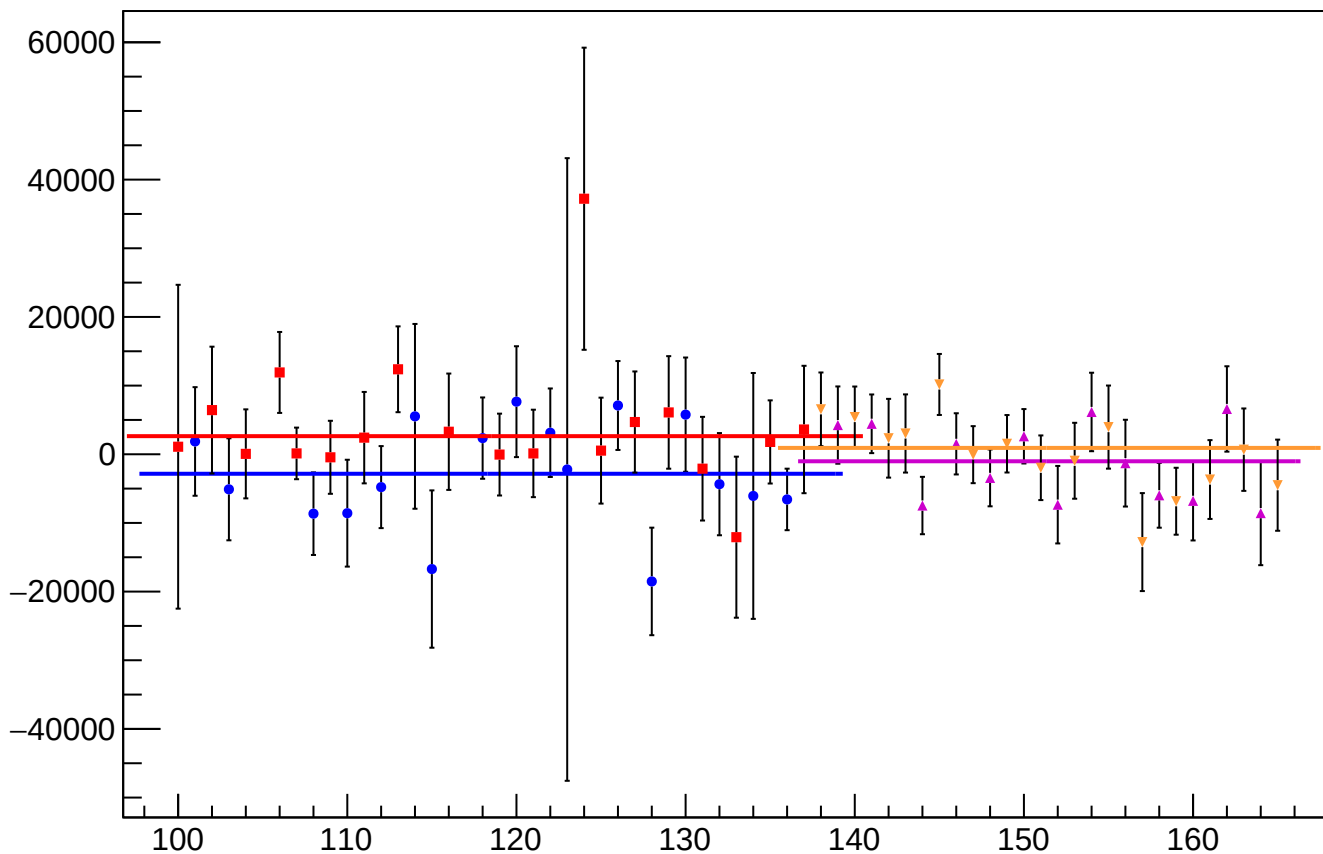
Left In: 3926.465+/-0.881 χ^2/NDF : 728549.6/12

+ sign 3940.444+/-0.675 χ^2/NDF : 1226042.9/31

All: 1484.438+/-0.275 χ^2/NDF : 40629683.5/6

- sign 994.193+/-0.301 χ^2/NDF : 23509561.9/31

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 ± 1786.019 χ^2/NDF : 15.4/16

Left Out: 925.873 ± 1336.212 χ^2/NDF : 15.0/14

Right Out: 2637.071 ± 1575.105 χ^2/NDF : 11.2/18

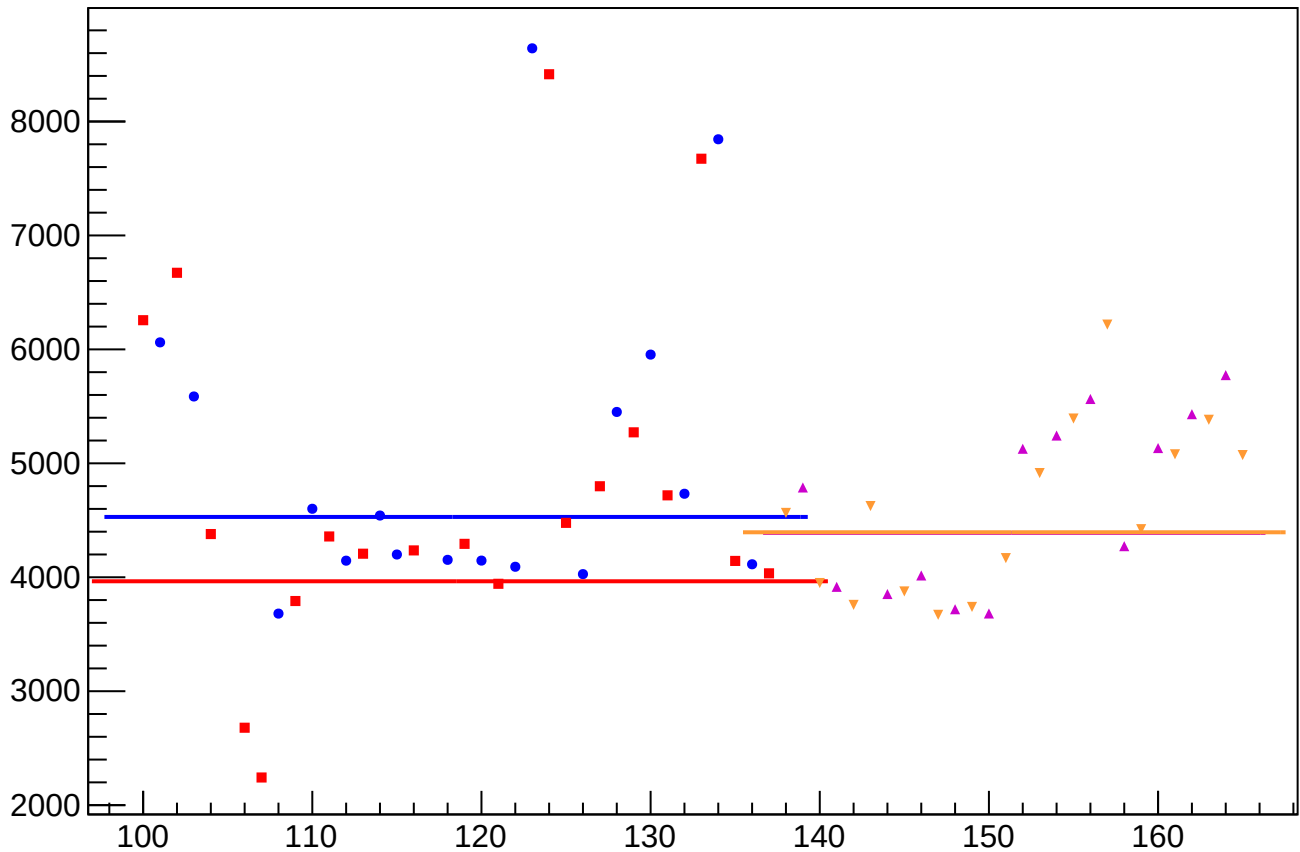
Left In: -1020.910 ± 1385.047 χ^2/NDF : 13.8/12

+ sign -425.417 ± 1069.918 χ^2/NDF : 33.3/31

All: 88.499 ± 745.787 χ^2/NDF : 61.8/63

- sign 574.183 ± 1040.116 χ^2/NDF : 28.1/31

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 ± 1.263 χ^2/NDF : 389326.2/16

Left Out: 4394.747 ± 0.945 χ^2/NDF : 497983.2/14

+ sign 4443.091 ± 0.757 χ^2/NDF : 894604.6/31

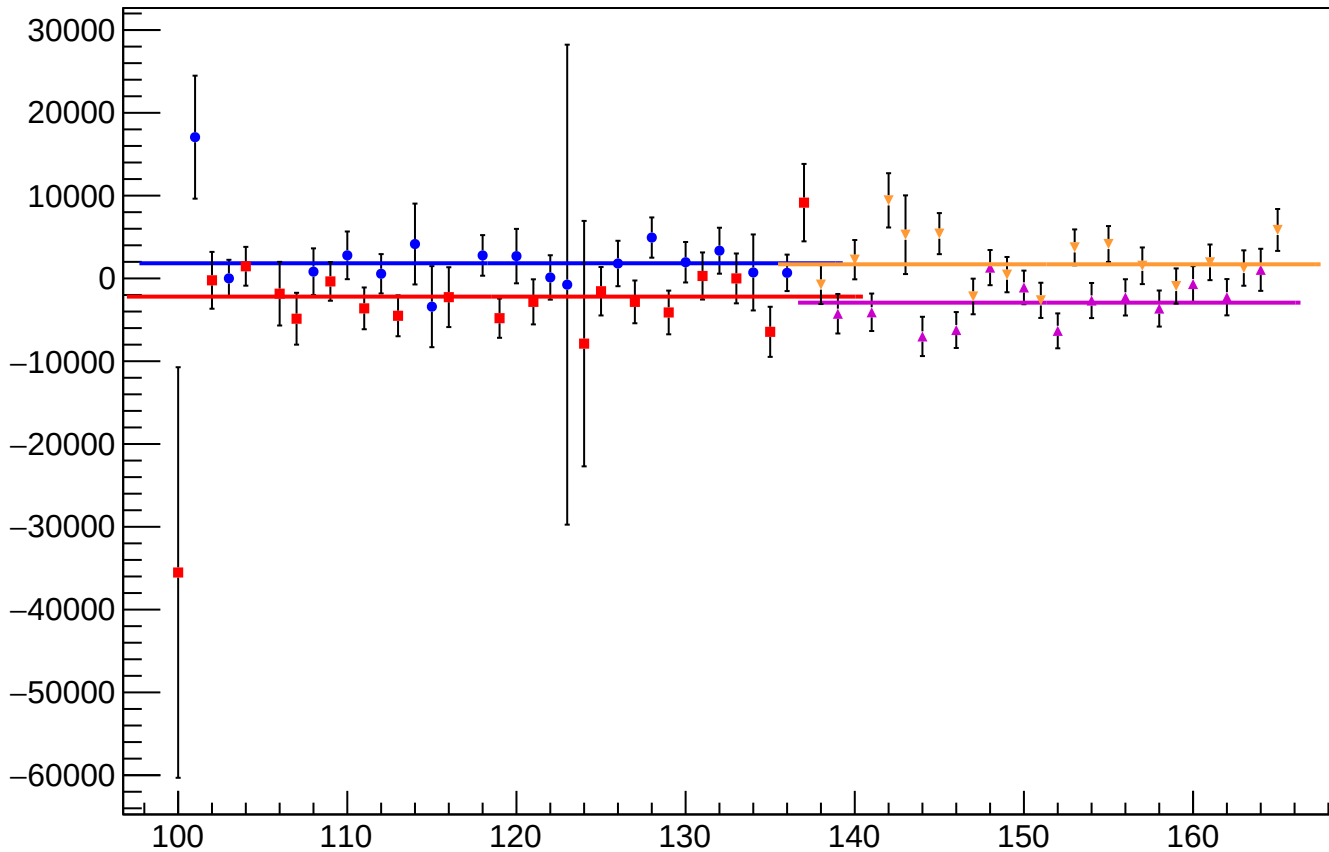
Right Out: 3964.829 ± 1.107 χ^2/NDF : 1140409.6/18

All: 4319.254 ± 0.527 χ^2/NDF : 2672716.8/63

- sign 4202.874 ± 0.733 χ^2/NDF : 1726138.5/31

Left In: 4389.314 ± 0.979 χ^2/NDF : 503220.0/12

reg_asym_atr1l2_avg_mean vs Slug



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

Left Out: 1705.145 $\pm$ 602.181 χ^2 /NDF:23.7/14

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

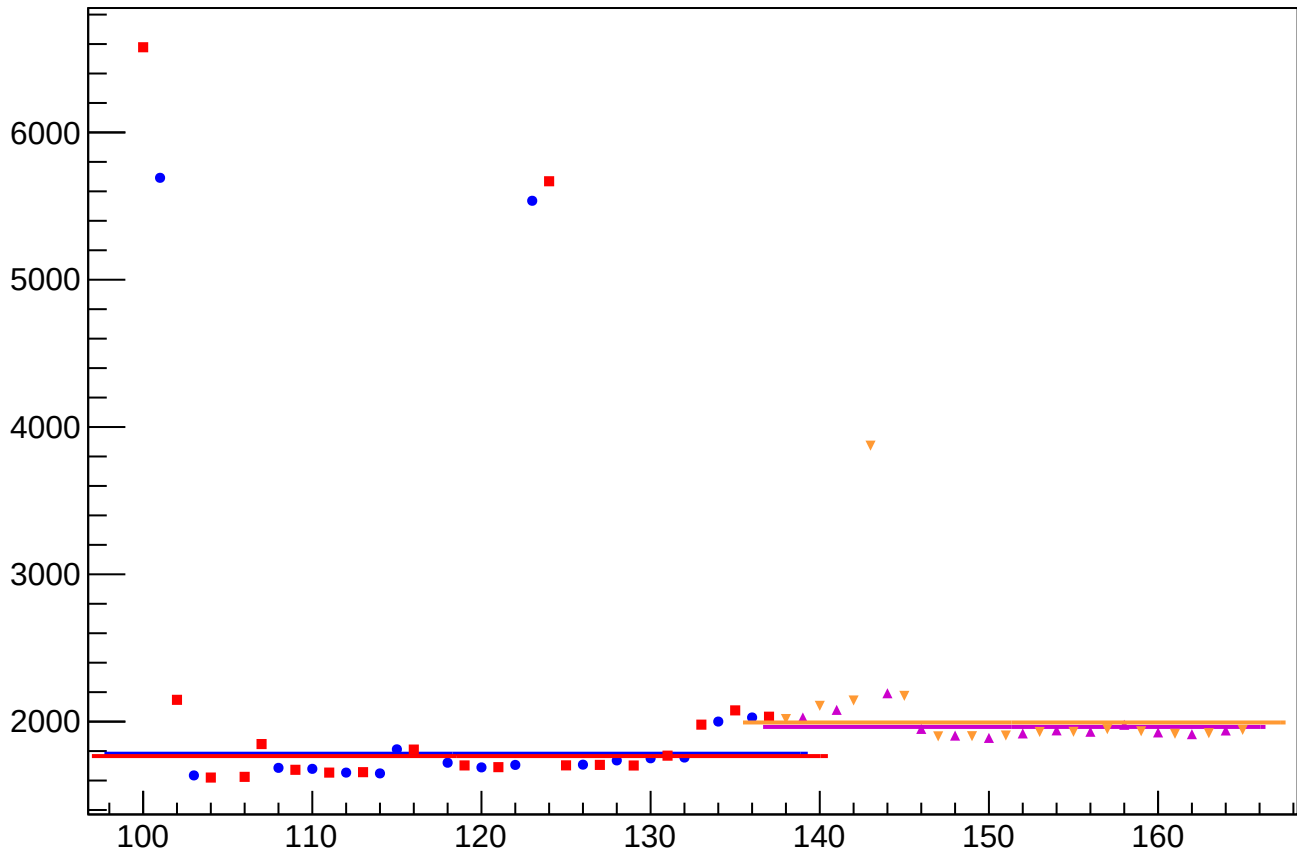
Left In: -2926.666 $\pm$ 612.143 χ^2 /NDF:17.1/12

+ sign 1757.311 $\pm$ 459.607 χ^2 /NDF: 33.4/31

All: -438.898 $\pm$ 323.783 χ^2 /NDF: 114.8/63

- sign -2602.742 $\pm$ 456.208 χ^2 /NDF: 36.0/31

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137 $\pm$ 0.503 χ^2 /NDF: 645188.8/16

Left Out: 1994.123 $\pm$ 0.426 χ^2 /NDF: 354848.4/14

Right Out: 1765.967 $\pm$ 0.480 χ^2 /NDF: 306798.2/18

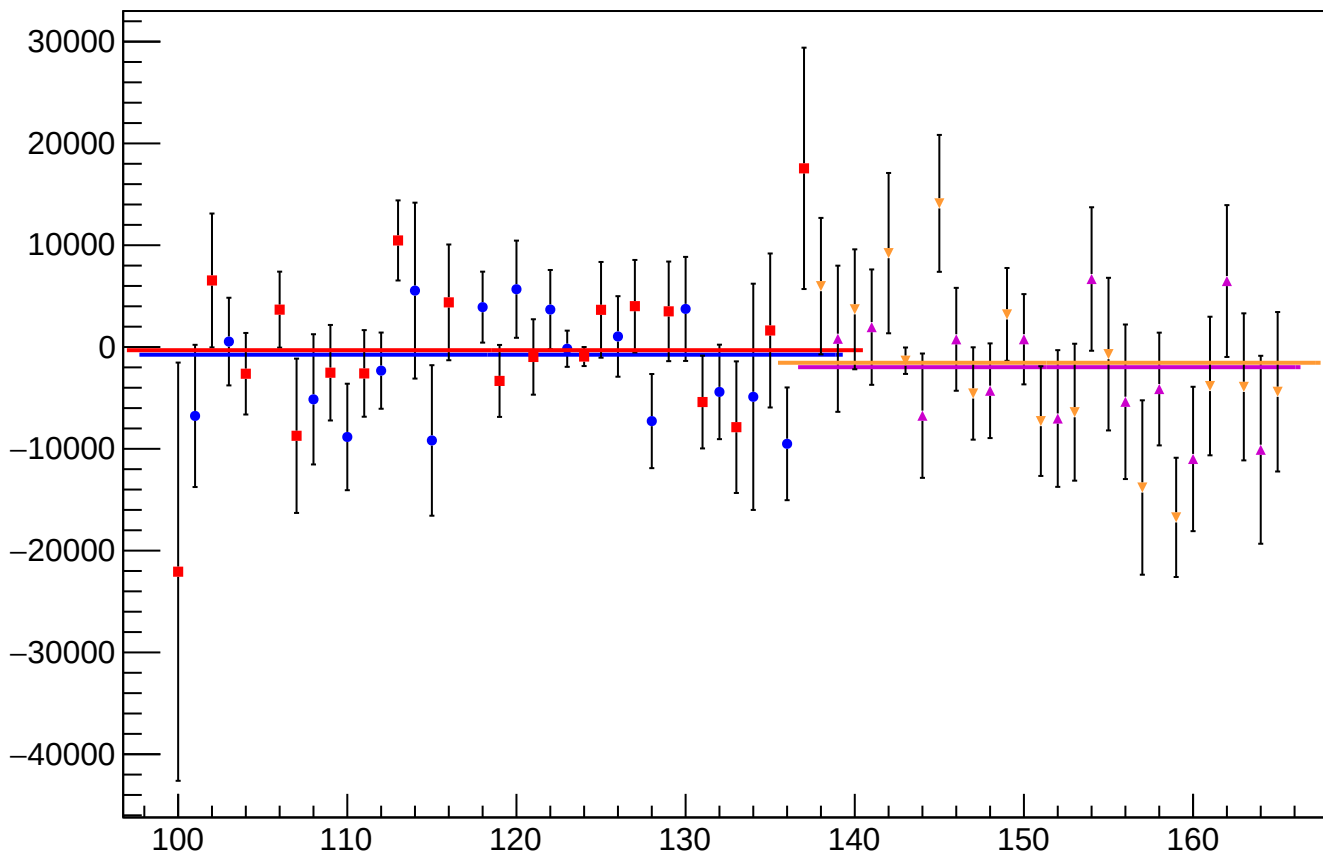
Left In: 1963.896 $\pm$ 0.433 χ^2 /NDF: 32988.8/12

+ sign 1905.625 $\pm$ 0.325 χ^2 /NDF: 1103507.5/31

All: 1890.267 $\pm$ 0.229 χ^2 /NDF: 1541384.3/63

- sign 1875.228 $\pm$ 0.322 χ^2 /NDF: 433456.8/31

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 $\pm$ 1008.523 χ^2 /NDF: 16.9/16

Left Out: -1546.244 $\pm$ 1024.445 χ^2 /NDF: 21.7/14

Right Out: -311.405 $\pm$ 725.132 χ^2 /NDF: 22.0/18

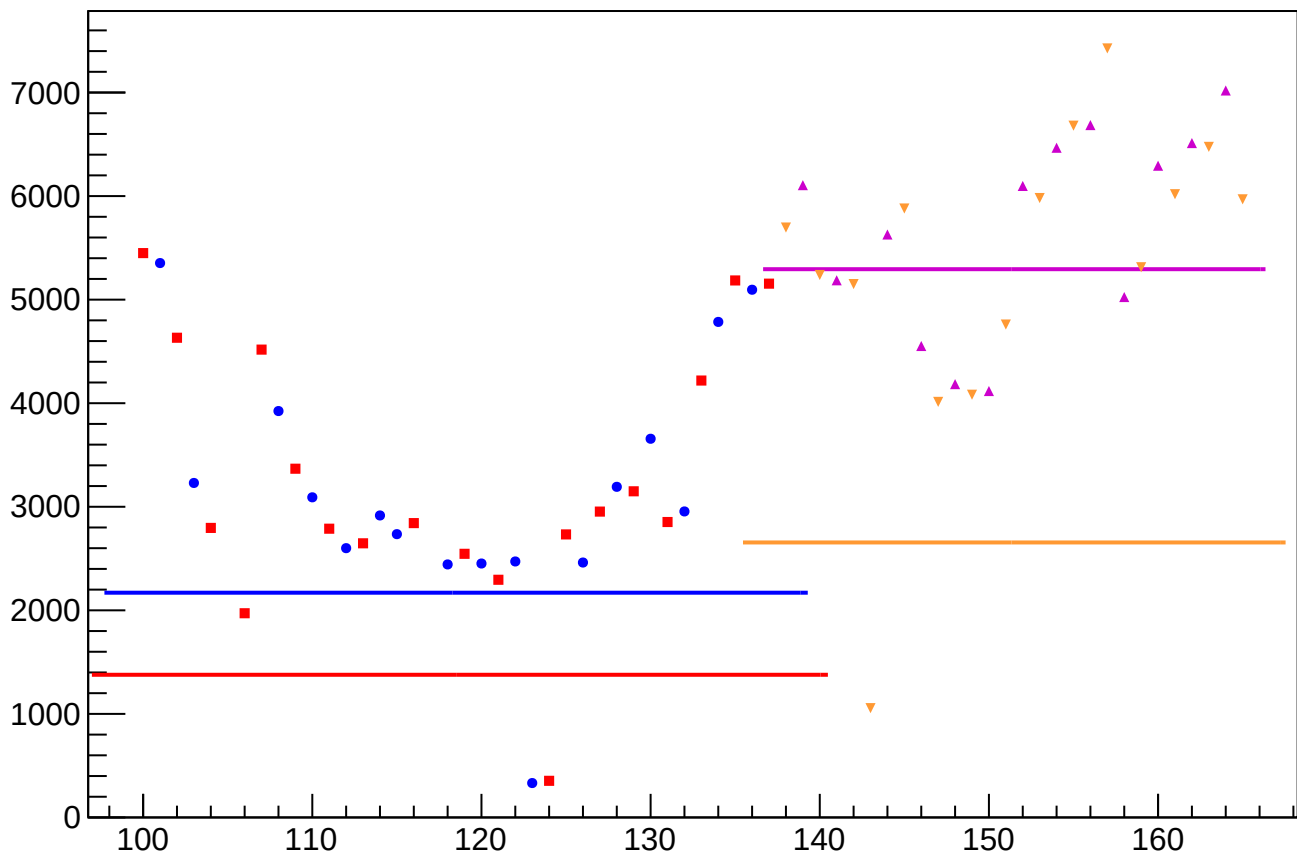
Left In: -1980.004 $\pm$ 1677.214 χ^2 /NDF: 8.3/12

+ sign -1143.627 $\pm$ 718.697 χ^2 /NDF: 38.9/31

All: -837.090 $\pm$ 488.339 χ^2 /NDF: 70.4/63

- sign -574.182 $\pm$ 665.589 χ^2 /NDF: 31.1/31

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2655.430+/-0.724 χ^2/NDF : 8673637.1/14

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

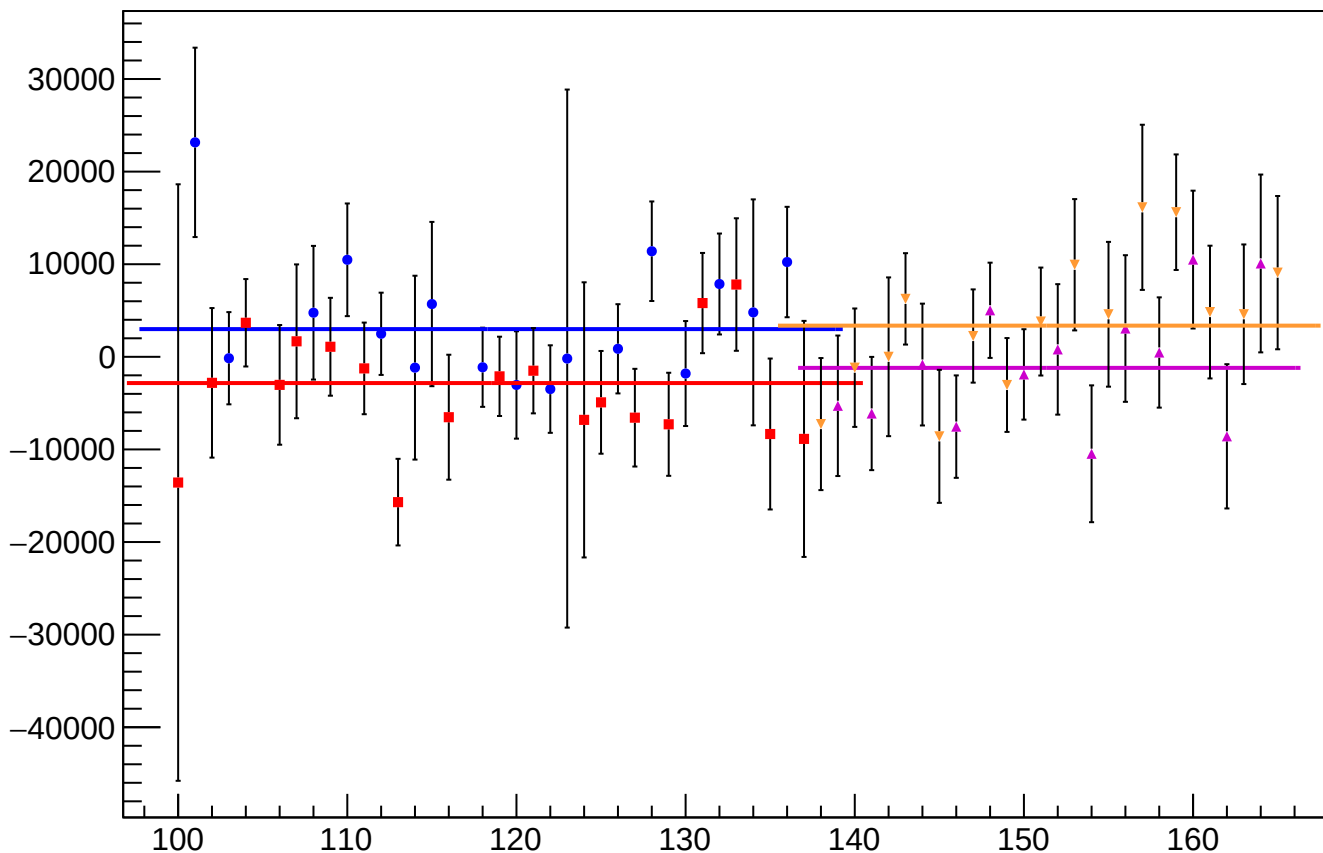
Left In: 5294.089+/-1.186 χ^2/NDF : 648999.3/12

+ sign 2409.036+/-0.508 χ^2/NDF : 12875183.3/31

All: 2185.878+/-0.345 χ^2/NDF : 29917230.0/6

- sign 1994.480+/-0.471 χ^2/NDF : 16683838.0/31

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 3367.522 $\pm$ 1684.987 χ^2 /NDF:15.0/14

Right Out: -2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

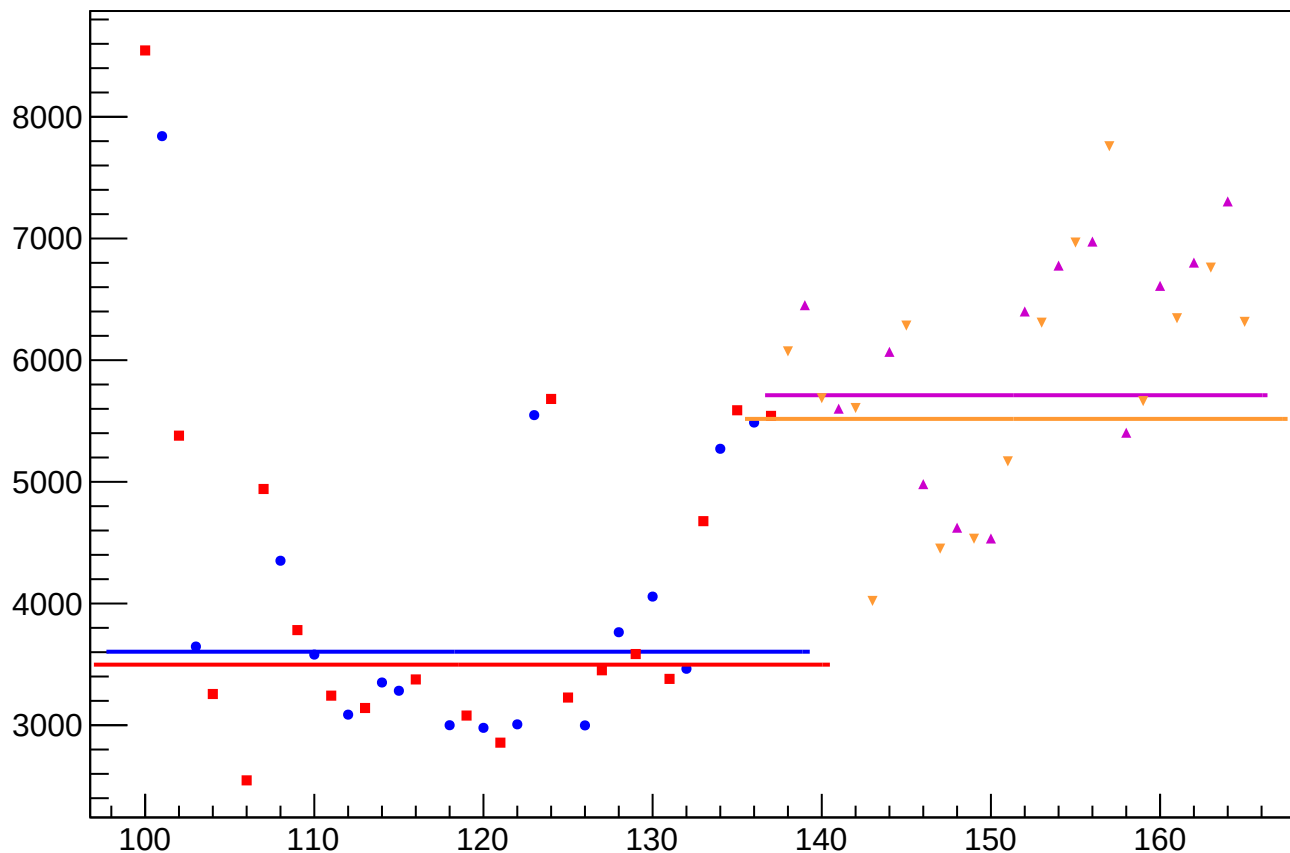
Left In: -1193.666 $\pm$ 1802.627 χ^2 /NDF:10.5/12

+ sign 3151.881 $\pm$ 1097.858 χ^2 /NDF: 30.7/31

All: 455.718 $\pm$ 775.405 χ^2 /NDF: 71.5/63

- sign -2228.001 $\pm$ 1095.322 χ^2 /NDF: 28.8/31

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 5517.423+/-1.191 χ^2/NDF : 713458.4/14

Right Out: 3497.586+/-0.962 χ^2/NDF : 661898.6/18

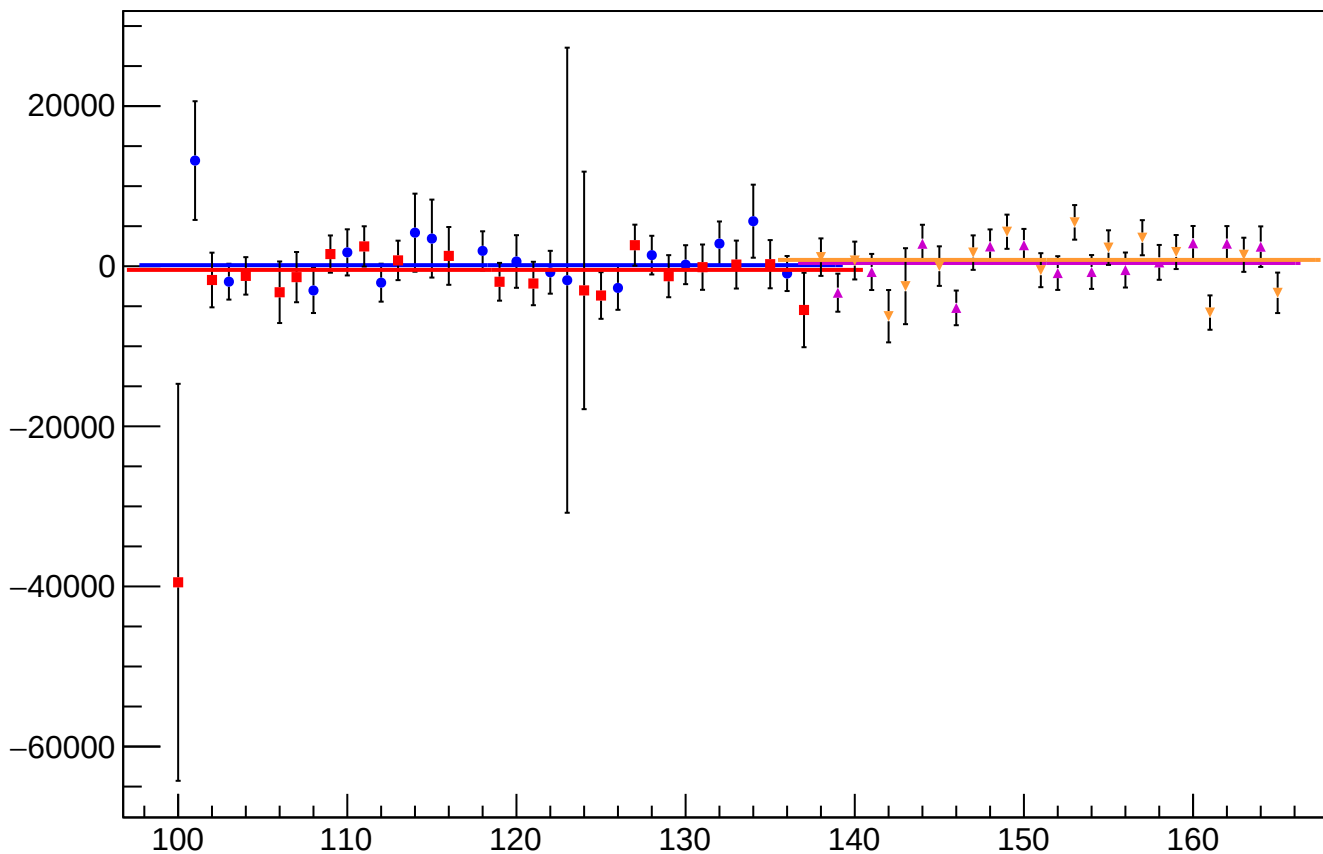
Left In: 5711.945+/-1.275 χ^2/NDF : 506830.0/12

+ sign 4416.243+/-0.776 χ^2/NDF : 2982435.2/31

All: 4357.858+/-0.546 χ^2/NDF : 6085658.8/63

- sign 4300.765+/-0.768 χ^2/NDF : 3092036.0/31

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 787.204 $\pm$ 600.711 χ^2 /NDF: 27.6/14

Right Out: -459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

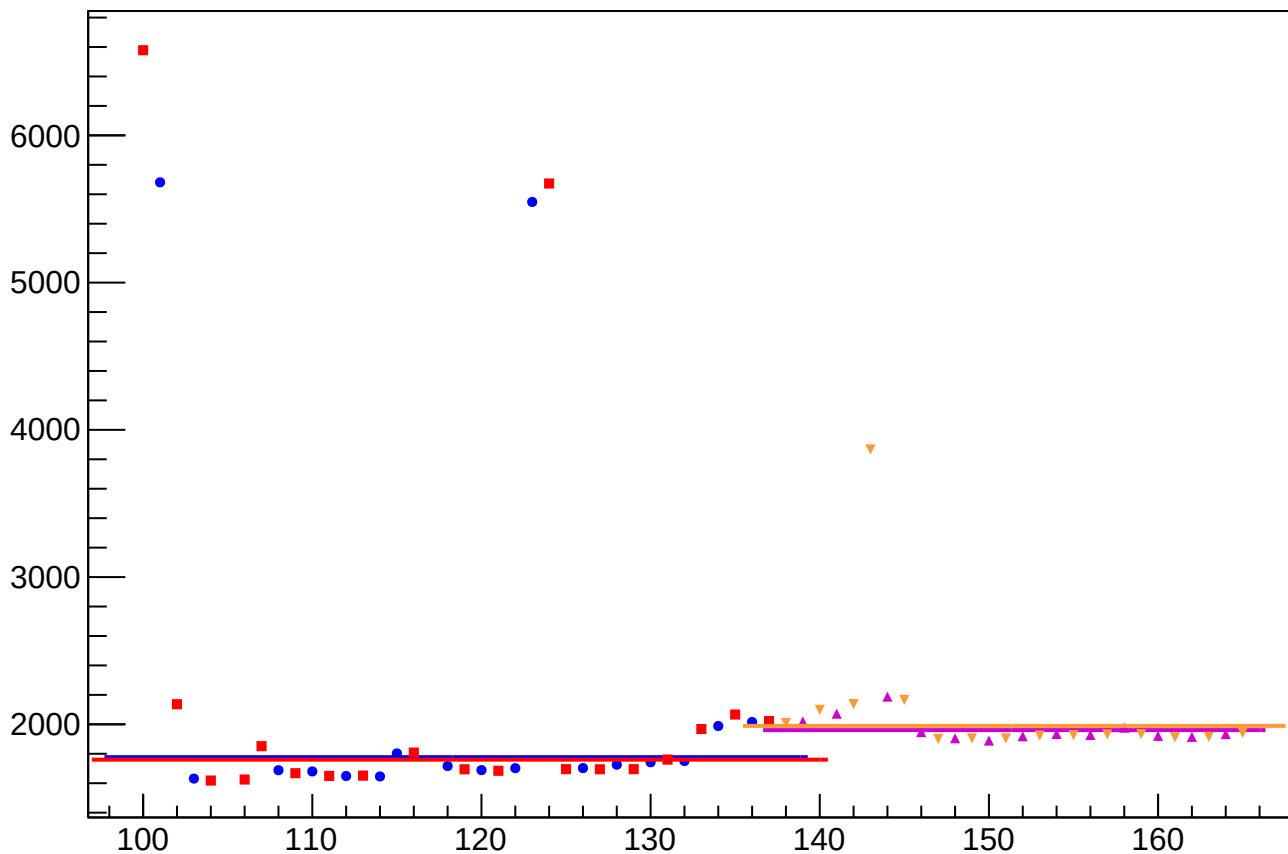
Left In: 404.125 $\pm$ 611.099 χ^2 /NDF: 16.6/12

+ sign 513.047 $\pm$ 458.379 χ^2 /NDF: 40.3/31

All: 264.554 $\pm$ 322.948 χ^2 /NDF: 69.0/63

- sign 19.631 $\pm$ 455.074 χ^2 /NDF: 28.2/31

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2 /NDF: 643576.8/16

Left Out: 1989.393+/-0.425 χ^2 /NDF: 353513.0/14

Right Out: 1759.990+/-0.479 χ^2 /NDF: 306154.6/18

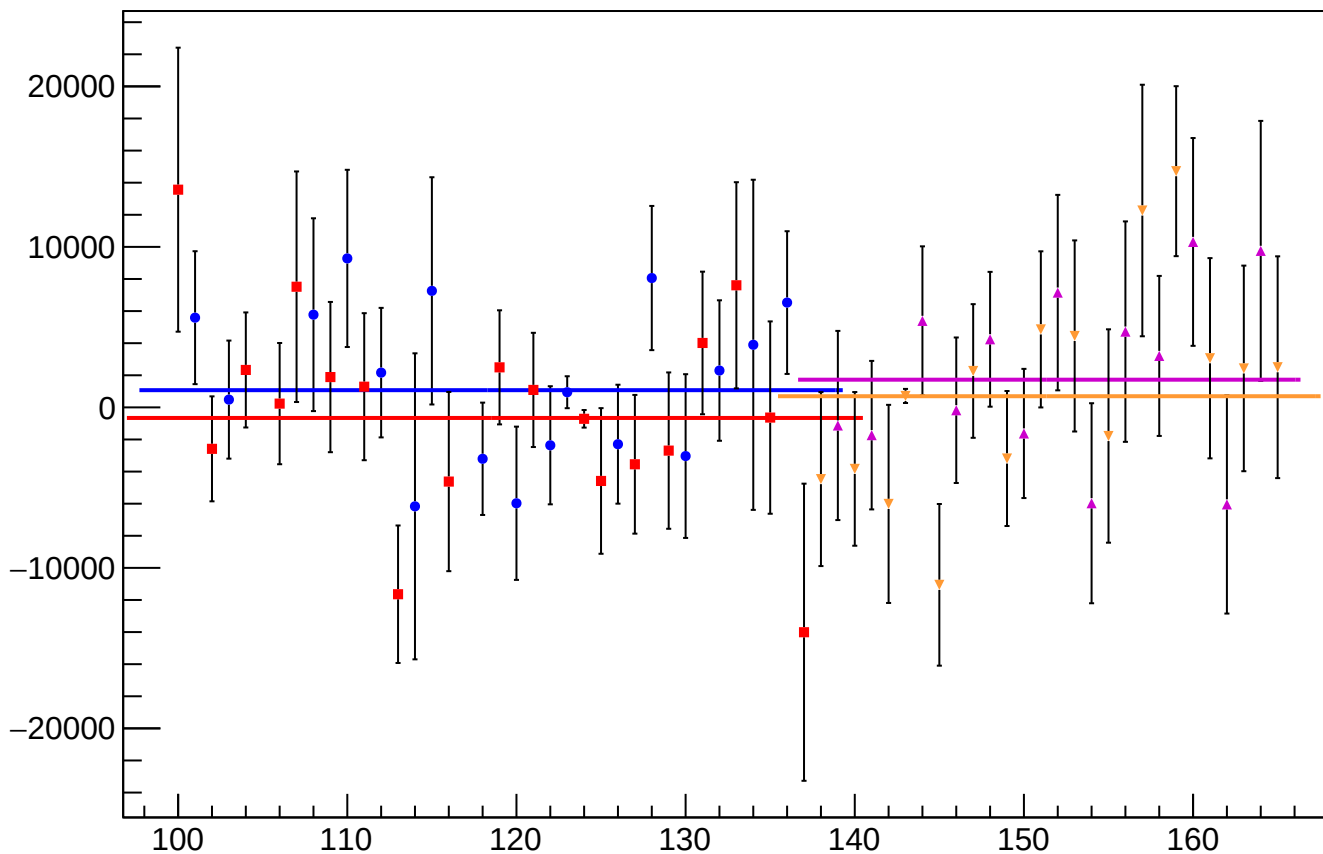
Left In: 1960.633+/-0.432 χ^2 /NDF: 31883.2/12

+ sign 1900.618+/-0.324 χ^2 /NDF: 1101652.5/31

All: 1885.444+/-0.228 χ^2 /NDF: 1540795.8/63

- sign 1870.580+/-0.321 χ^2 /NDF: 434804.9/31

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194 $\pm$ 752.280 χ^2 /NDF: 15.6/16

Left Out: 695.525 $\pm$ 420.156 χ^2 /NDF:20.2/14

Right Out: -658.759 $\pm$ 488.034 χ^2 /NDF: 19.8/18

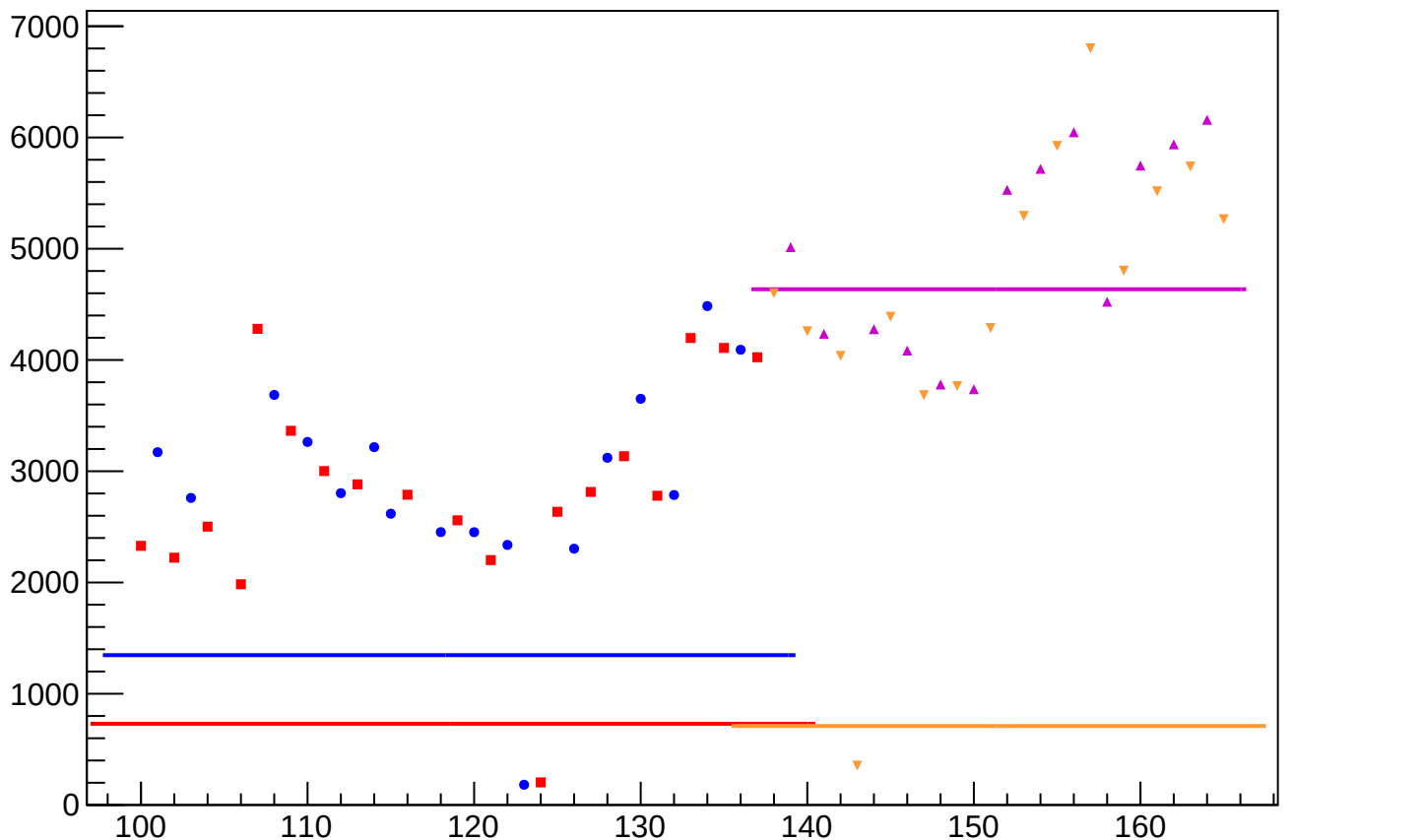
Left In: 1725.363 $\pm$ 1468.285 χ^2 /NDF:9.3/12

+ sign 785.084 $\pm$ 366.821 χ^2 /NDF: 35.9/31

All: 319.908 $\pm$ 287.549 χ^2 /NDF: 71.5/63

- sign -421.568 $\pm$ 463.121 χ^2 /NDF: 31.4/31

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 710.107+/-0.297 χ^2/NDF : 16358860.5/14

Right Out: 730.119+/-0.345 χ^2/NDF : 9503127.2/18

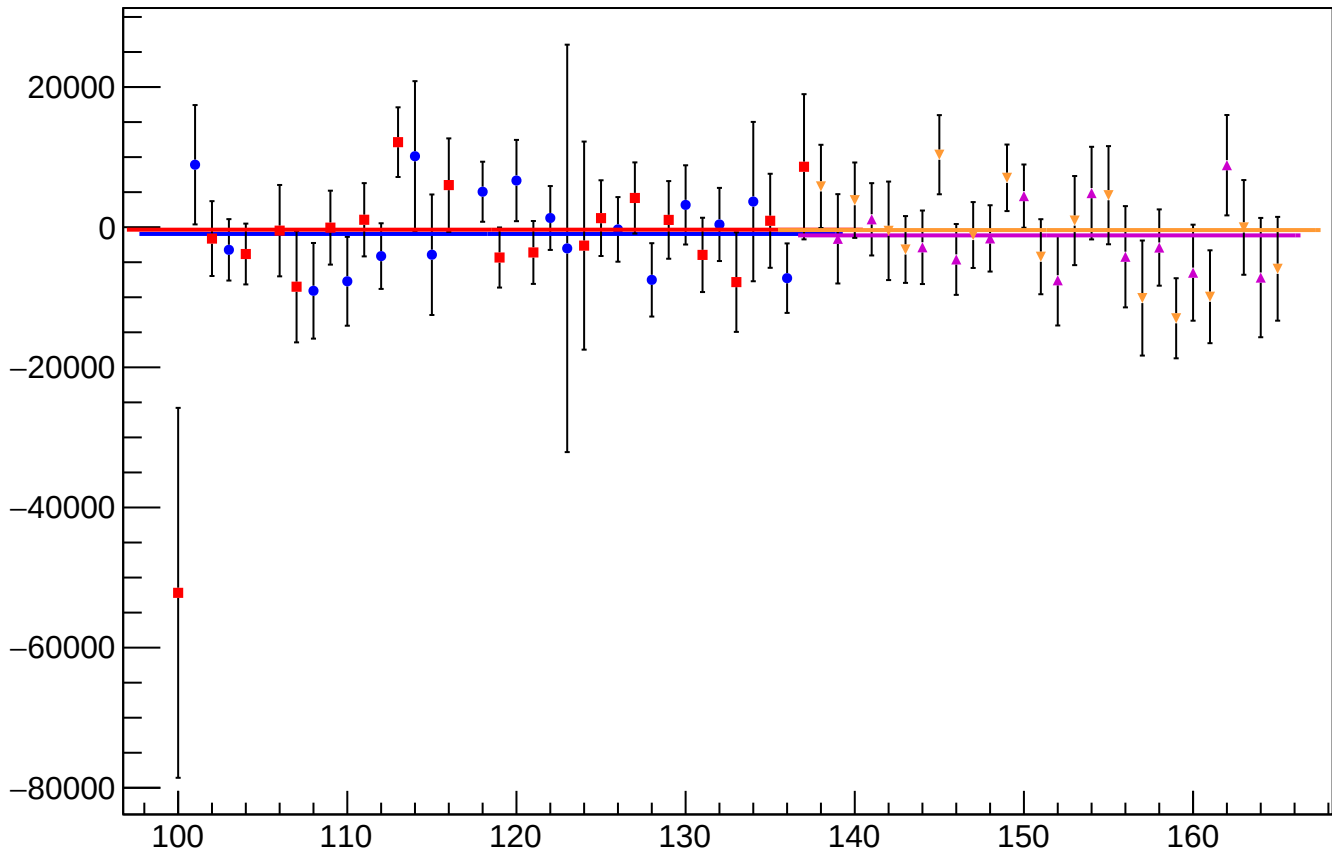
Left In: 4635.992+/-1.038 χ^2/NDF : 639383.9/12

+ sign 861.500+/-0.259 χ^2/NDF : 24290089.1/31

All: 960.655+/-0.203 χ^2/NDF : 47556531.6/63

- sign 1118.705+/-0.327 χ^2/NDF : 22887375.1/31

asym_atr1l2_dd_mean vs Slug



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: -410.888 ± 1513.668 χ^2/NDF : 18.1/14

Right Out: -354.646 ± 1329.760 χ^2/NDF : 17.6/18

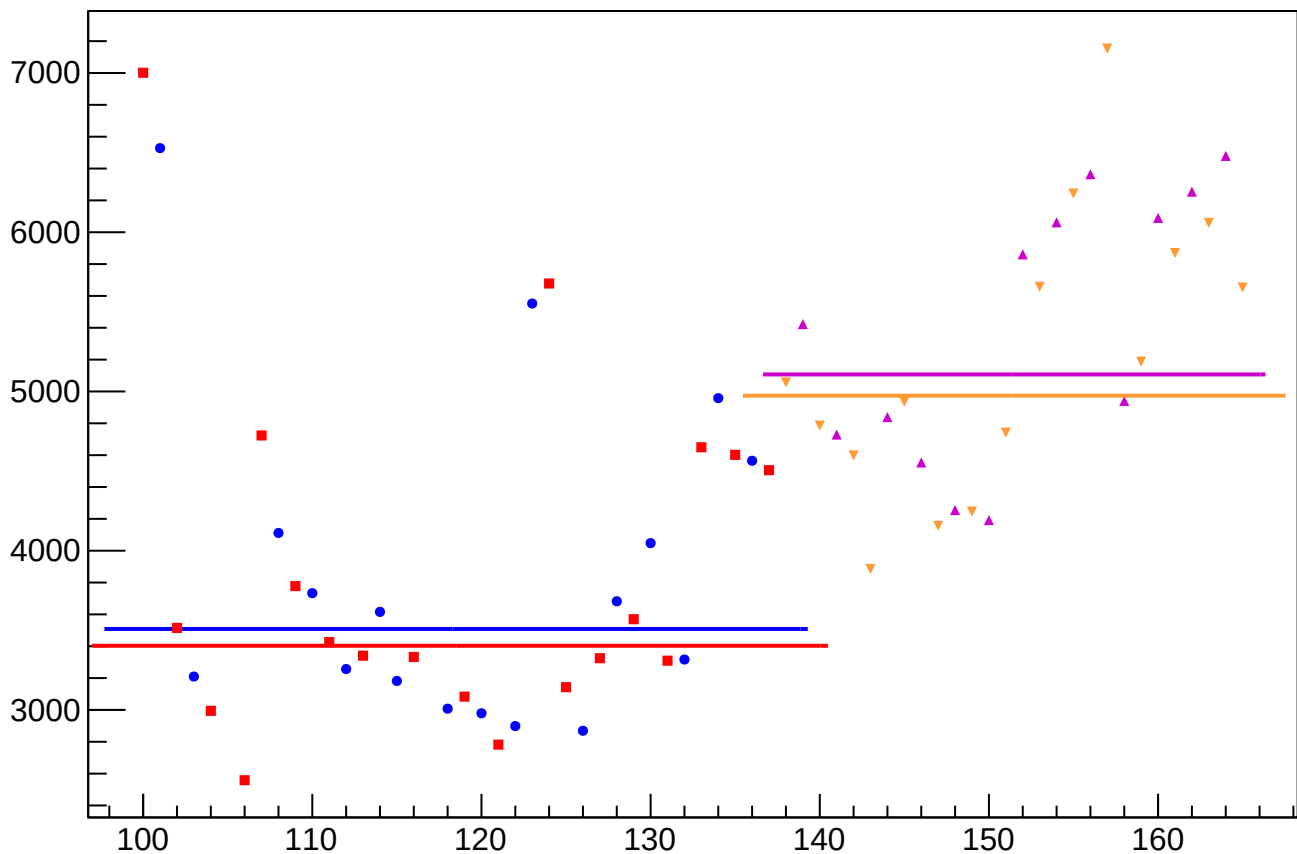
Left In: -1169.026 ± 1609.933 χ^2/NDF : 7.5/12

+ sign -709.931 ± 1026.053 χ^2/NDF : 31.9/31

All: -697.415 ± 725.246 χ^2/NDF : 57.2/63

- sign -684.919 ± 1025.252 χ^2/NDF : 25.2/31

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4973.487+/-1.070 χ^2/NDF : 561724.9/14

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

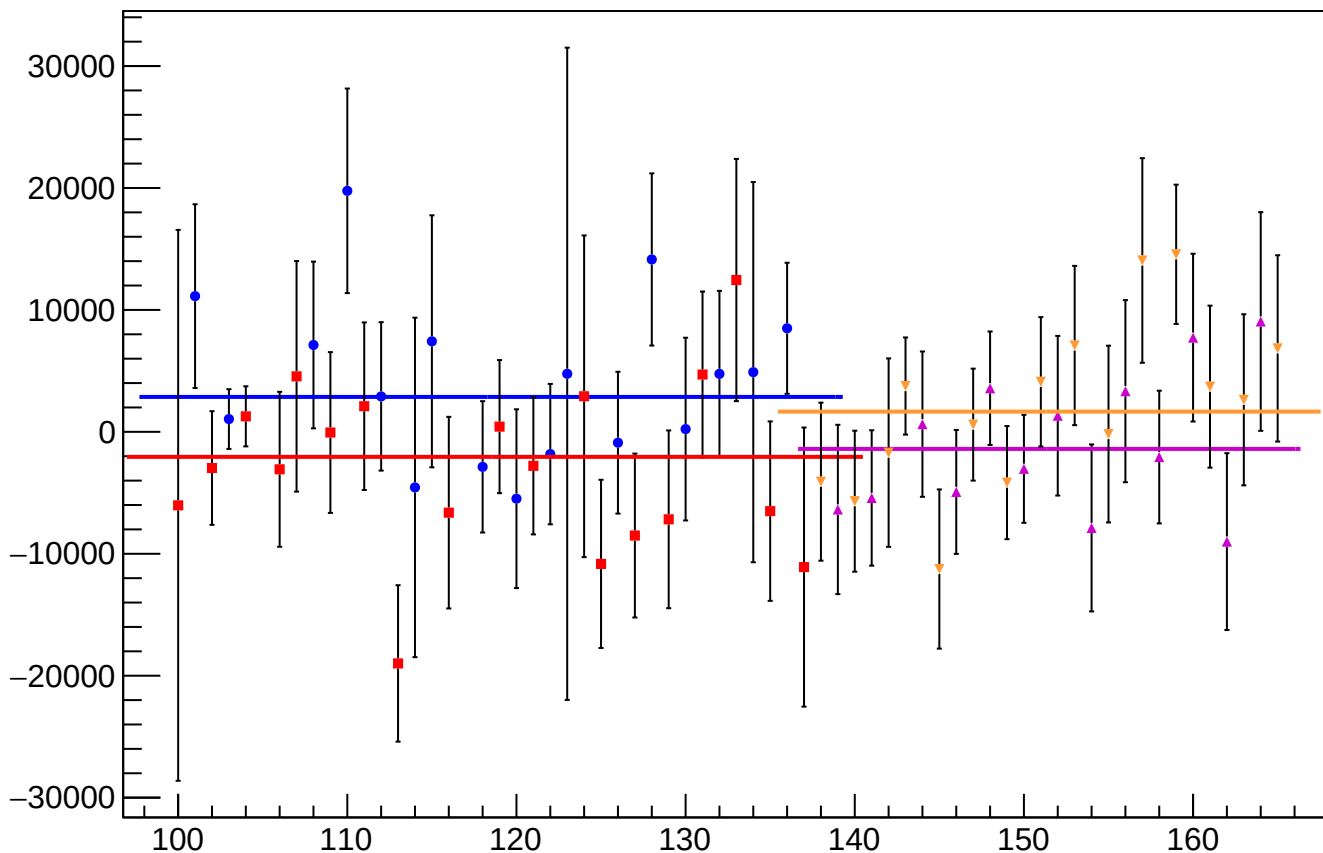
Left In: 5107.028+/-1.138 χ^2/NDF : 467746.0/12

+ sign 4181.637+/-0.726 χ^2/NDF : 2136551.1/31

All: 4132.059+/-0.511 χ^2/NDF : 4388269.1/63

- sign 4083.323+/-0.719 χ^2/NDF : 2242458.2/31

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 1660.712+/-1518.322 χ^2/NDF : 17.2/14

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

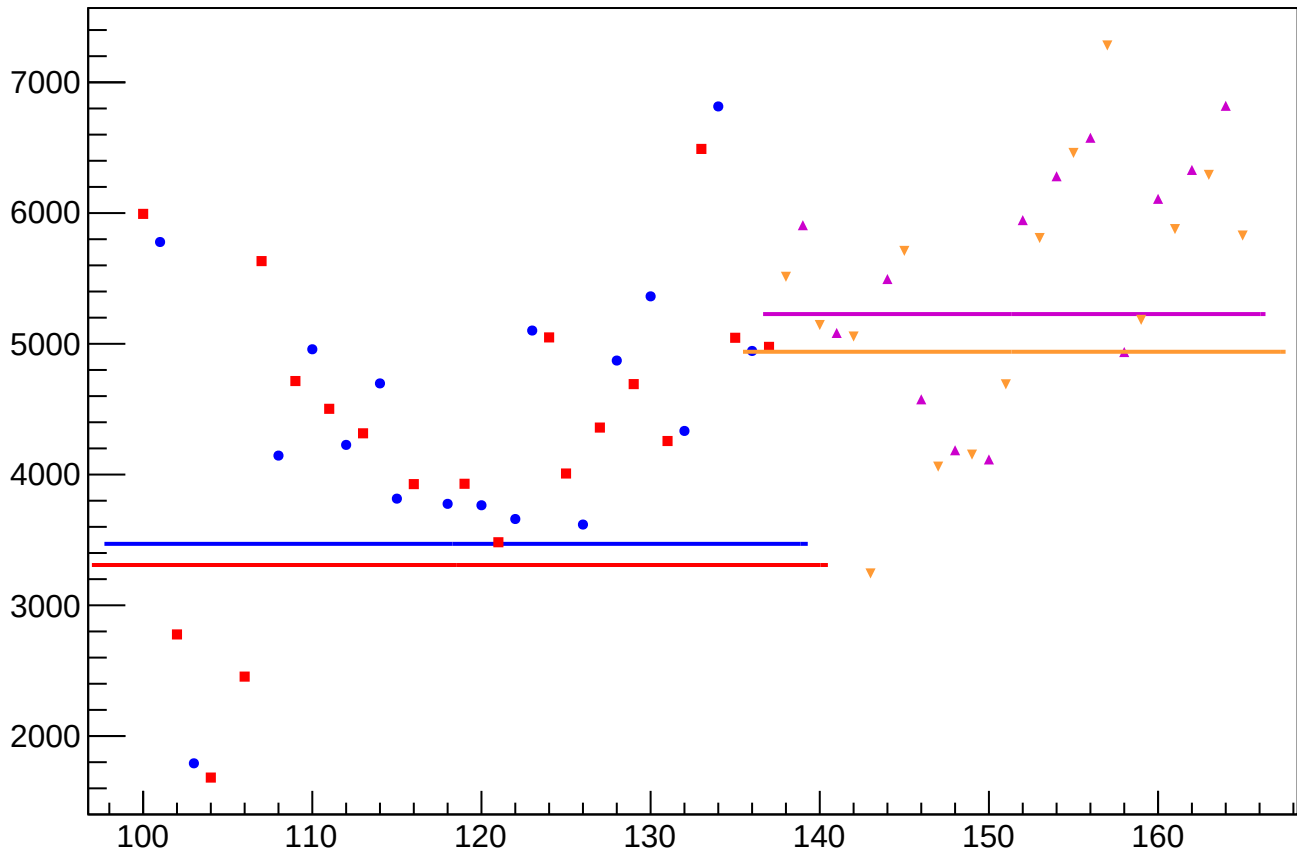
Left In: -1400.098+/-1652.559 χ^2/NDF : 8.6/12

+ sign 2289.341+/-1049.631 χ^2/NDF : 31.6/31

All: 272.925+/-745.824 χ^2/NDF : 65.5/63

- sign -1783.346+/-1059.953 χ^2/NDF : 26.4/31

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 4939.231+/-1.074 χ^2/NDF : 968183.2/14

Right Out: 3308.243+/-0.968 χ^2/NDF : 1910782.0/18

Left In: 5227.553+/-1.169 χ^2/NDF : 568322.7/12

+ sign 4172.163+/-0.742 χ^2/NDF : 3706762.6/31

All: 4130.923+/-0.526 χ^2/NDF : 7791965.4/63

- sign 4089.321+/-0.745 χ^2/NDF : 4079000.8/31

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

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

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

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

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

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

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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



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

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

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

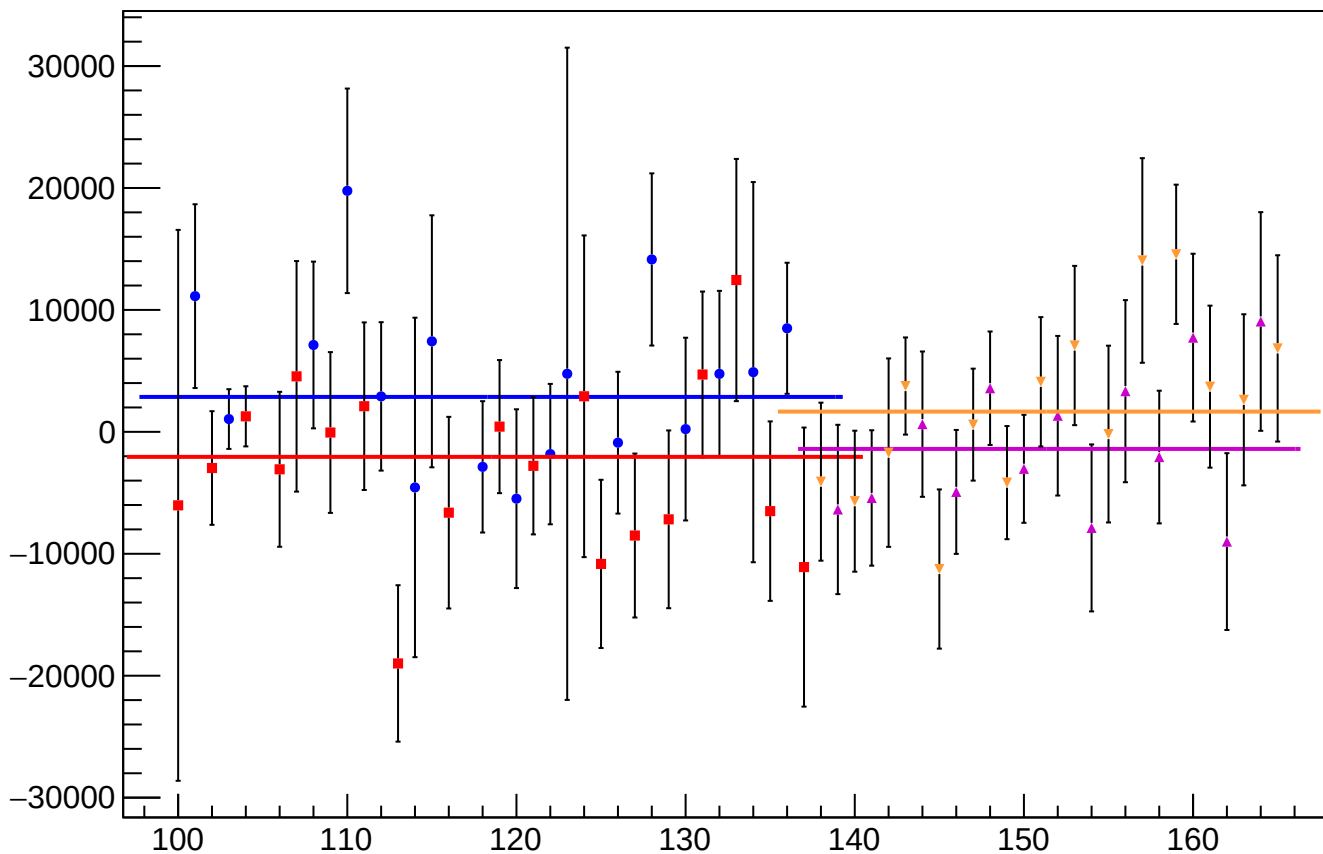
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 1660.712+/-1518.322 χ^2/NDF : 17.2/14

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

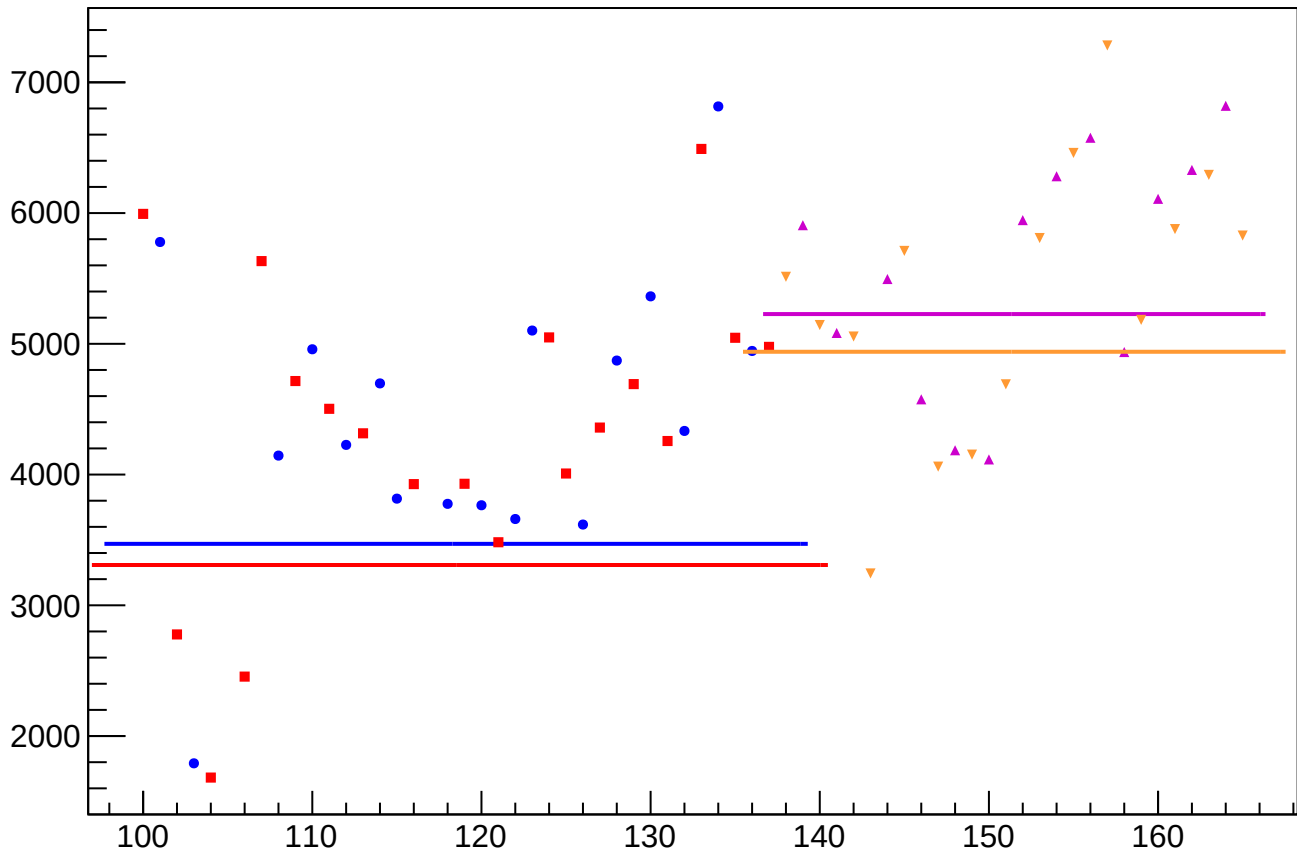
Left In: -1400.098+/-1652.559 χ^2/NDF : 8.6/12

+ sign 2289.341+/-1049.631 χ^2/NDF : 31.6/31

All: 272.925+/-745.824 χ^2/NDF : 65.5/63

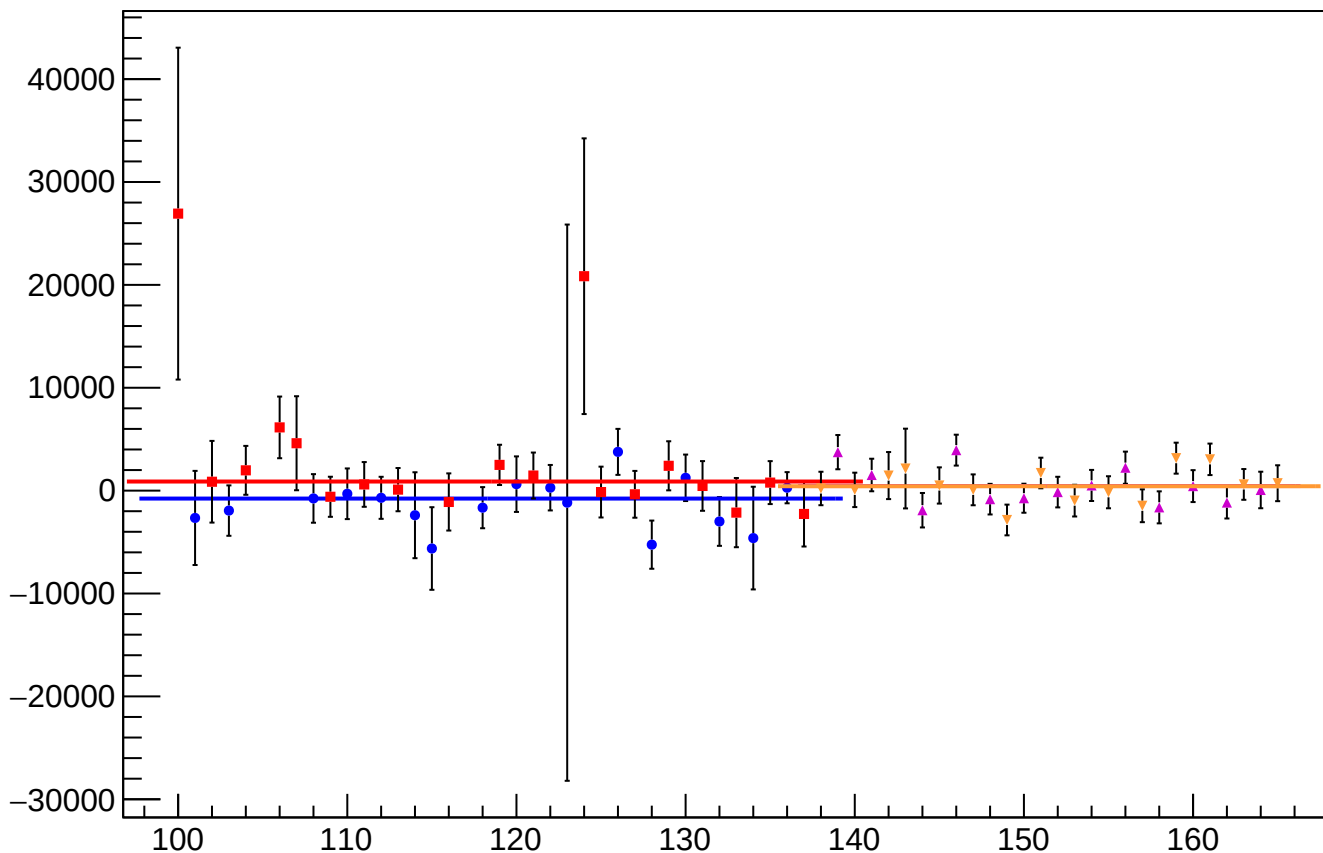
- sign -1783.346+/-1059.953 χ^2/NDF : 26.4/31

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027	χ^2/NDF : 1760860.6/16	+ sign 4172.163+/-0.742	χ^2/NDF : 3706762.6/31
Left Out: 4939.231+/-1.074	χ^2/NDF : 968183.2/14	All: 4130.923+/-0.526	χ^2/NDF : 7791965.4/63
Right Out: 3308.243+/-0.968	χ^2/NDF : 1910782.0/18	- sign 4089.321+/-0.745	χ^2/NDF : 4079000.8/31
Left In: 5227.553+/-1.169	χ^2/NDF : 568322.7/12		

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153 ± 603.689 χ^2/NDF : 13.3/16

Left Out: 427.852 ± 425.228 χ^2/NDF : 14.7/14

Right Out: 885.145 ± 595.053 χ^2/NDF : 13.5/18

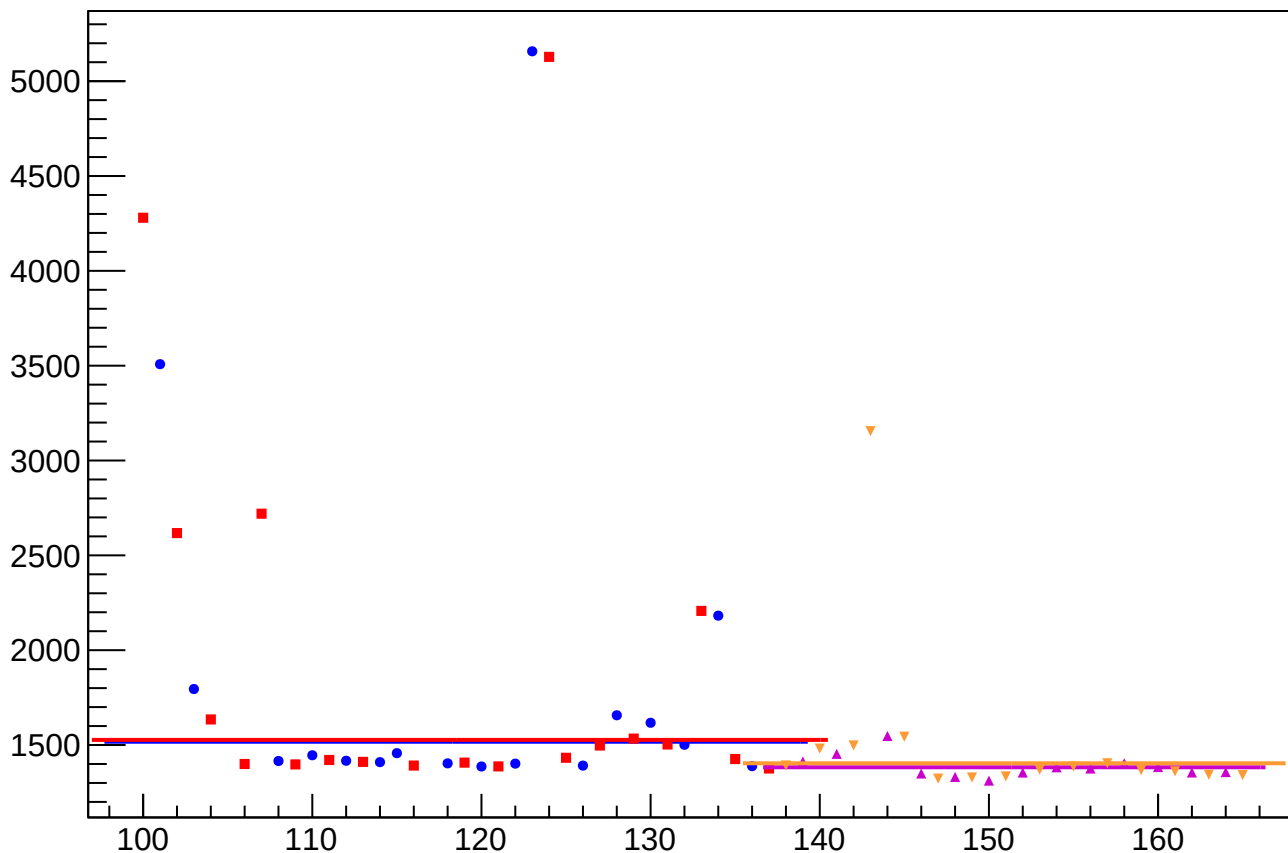
Left In: 446.437 ± 431.283 χ^2/NDF : 17.5/12

+ sign 30.239 ± 347.643 χ^2/NDF : 30.6/31

All: 312.608 ± 246.372 χ^2/NDF : 63.4/63

- sign 597.525 ± 349.208 χ^2/NDF : 31.4/31

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1403.636+/-0.301 χ^2/NDF : 453573.4/14

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1382.654+/-0.305 χ^2/NDF : 34489.1/12

+ sign 1441.341+/-0.246 χ^2/NDF : 1037653.1/31

All: 1436.875+/-0.174 χ^2/NDF : 1781652.4/63

- sign 1432.368+/-0.247 χ^2/NDF : 743336.1/31

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



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

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

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

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

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

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

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

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



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

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

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

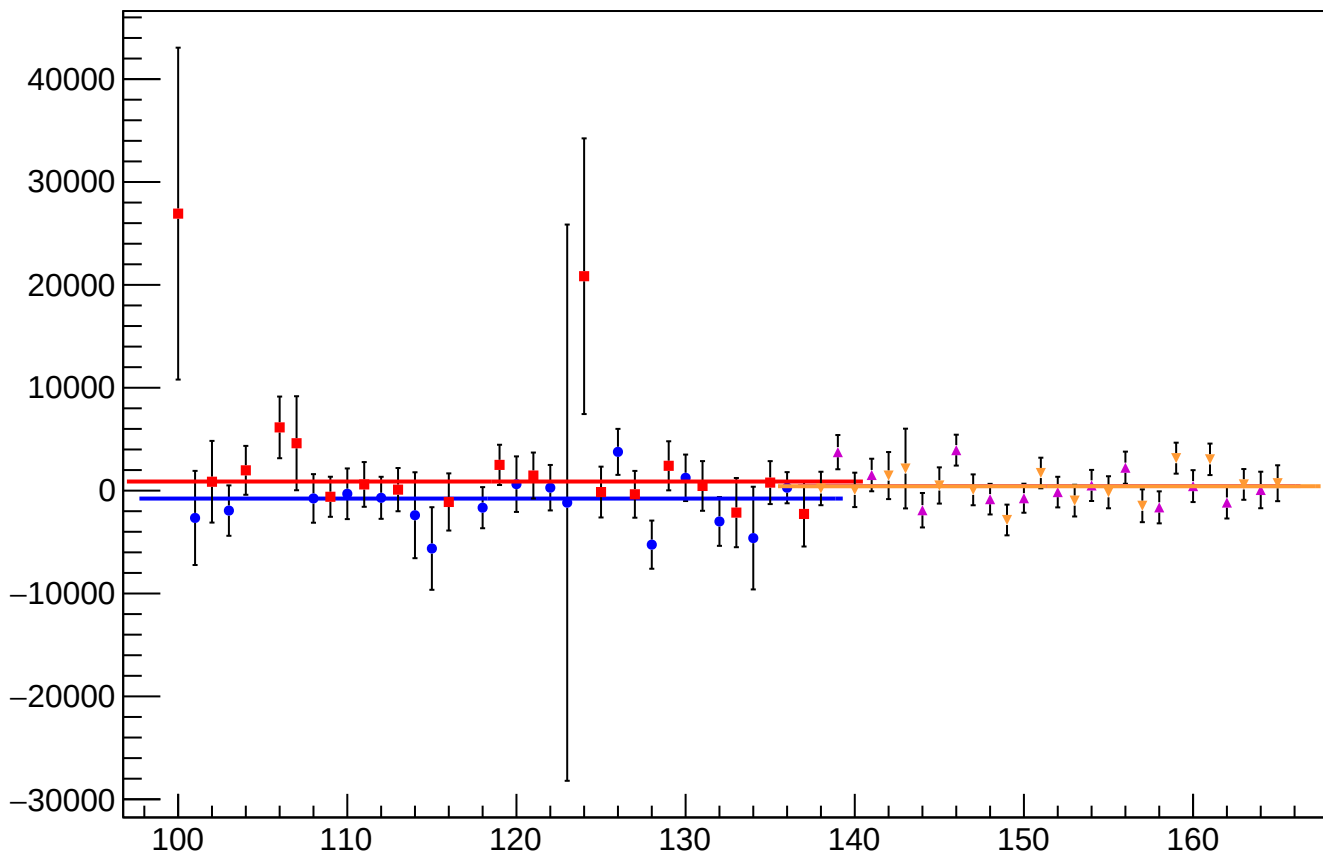
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153 ± 603.689 χ^2/NDF : 13.3/16

Left Out: 427.852 ± 425.228 χ^2/NDF : 14.7/14

Right Out: 885.145 ± 595.053 χ^2/NDF : 13.5/18

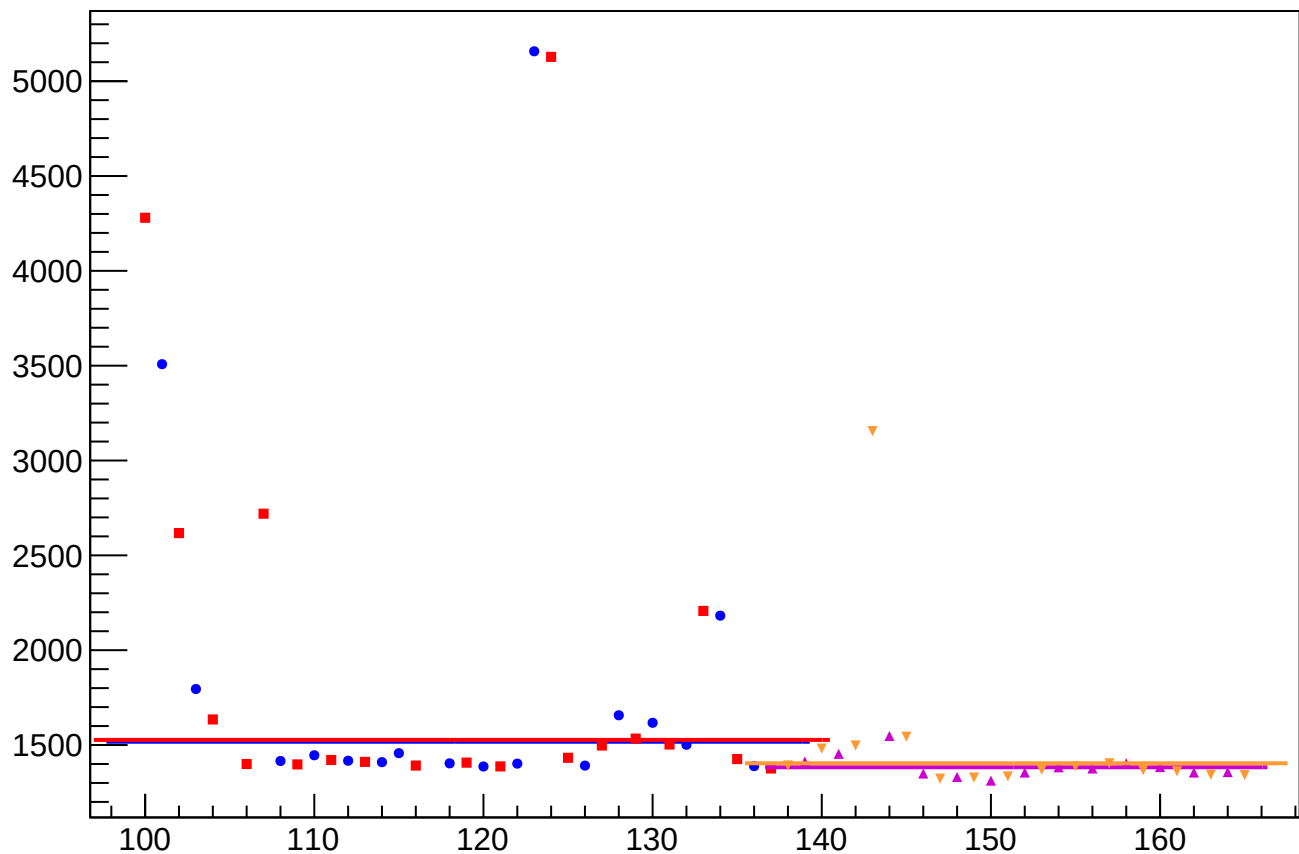
Left In: 446.437 ± 431.283 χ^2/NDF : 17.5/12

+ sign 30.239 ± 347.643 χ^2/NDF : 30.6/31

All: 312.608 ± 246.372 χ^2/NDF : 63.4/63

- sign 597.525 ± 349.208 χ^2/NDF : 31.4/31

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1403.636+/-0.301 χ^2/NDF : 453573.4/14

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

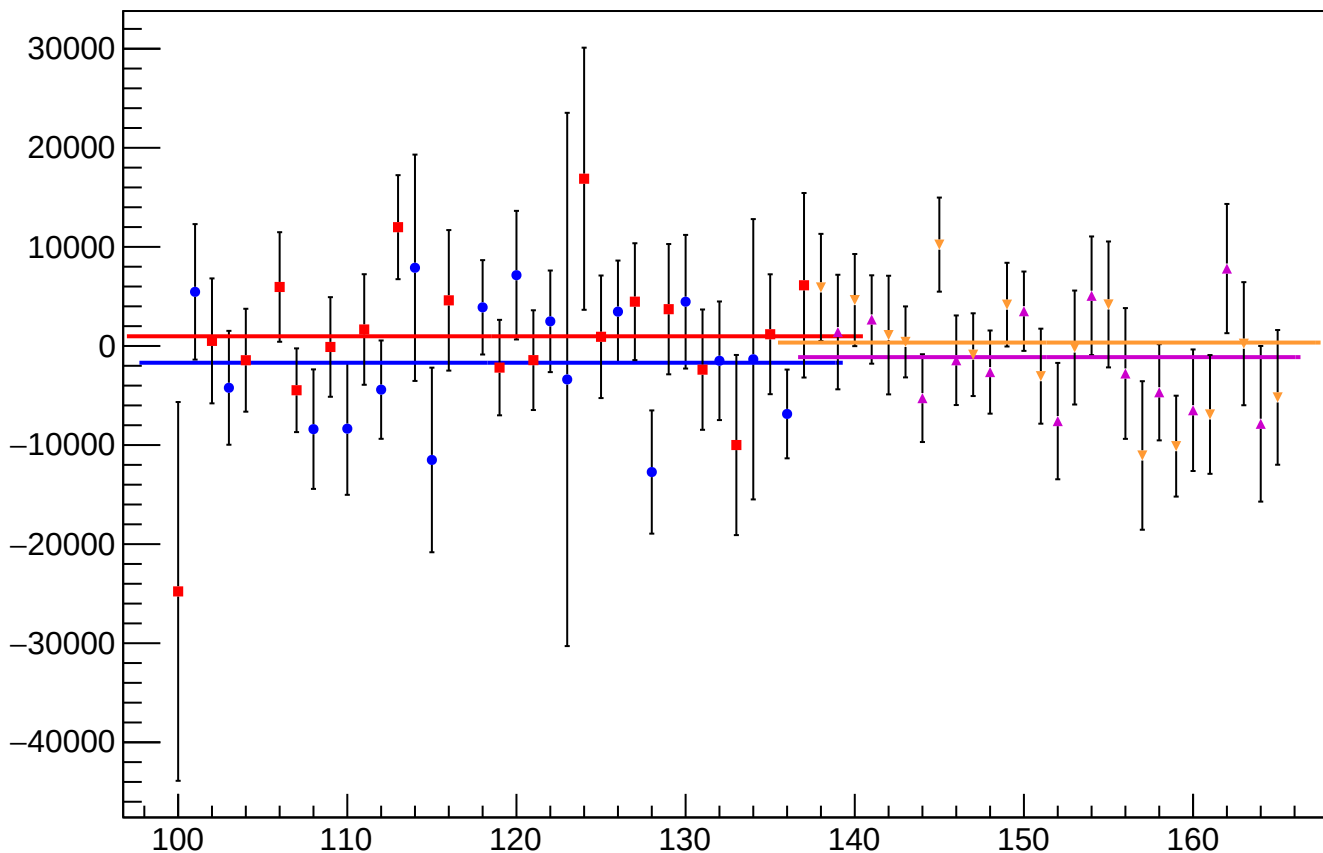
Left In: 1382.654+/-0.305 χ^2/NDF : 34489.1/12

+ sign 1441.341+/-0.246 χ^2/NDF : 1037653.1/31

All: 1436.875+/-0.174 χ^2/NDF : 1781652.4/63

- sign 1432.368+/-0.247 χ^2/NDF : 743336.1/31

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 343.857 ± 1319.543 χ^2/NDF : 16.7/14

Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

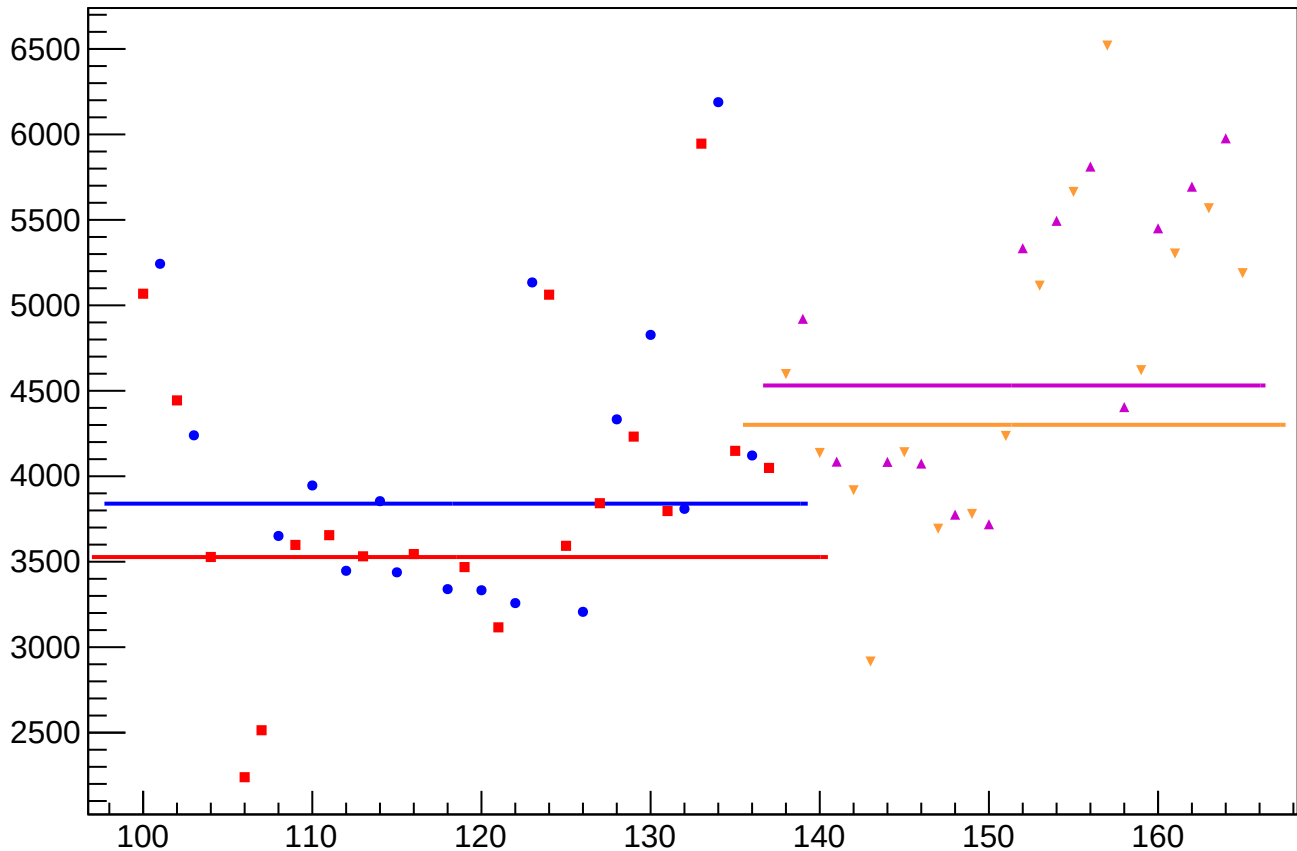
Left In: -1126.259 ± 1431.723 χ^2/NDF : 9.5/12

+ sign -535.976 ± 994.449 χ^2/NDF : 33.6/31

All: -284.980 ± 702.729 χ^2/NDF : 58.3/63

- sign -34.629 ± 993.169 χ^2/NDF : 24.6/31

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4301.041+/-0.933 χ^2/NDF : 879483.5/14

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4531.141+/-1.012 χ^2/NDF : 559191.9/12

+ sign 4101.739+/-0.703 χ^2/NDF : 1311043.5/31

All: 4053.474+/-0.496 χ^2/NDF : 2948928.9/63

- sign 4005.787+/-0.699 χ^2/NDF : 1628519.2/31

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

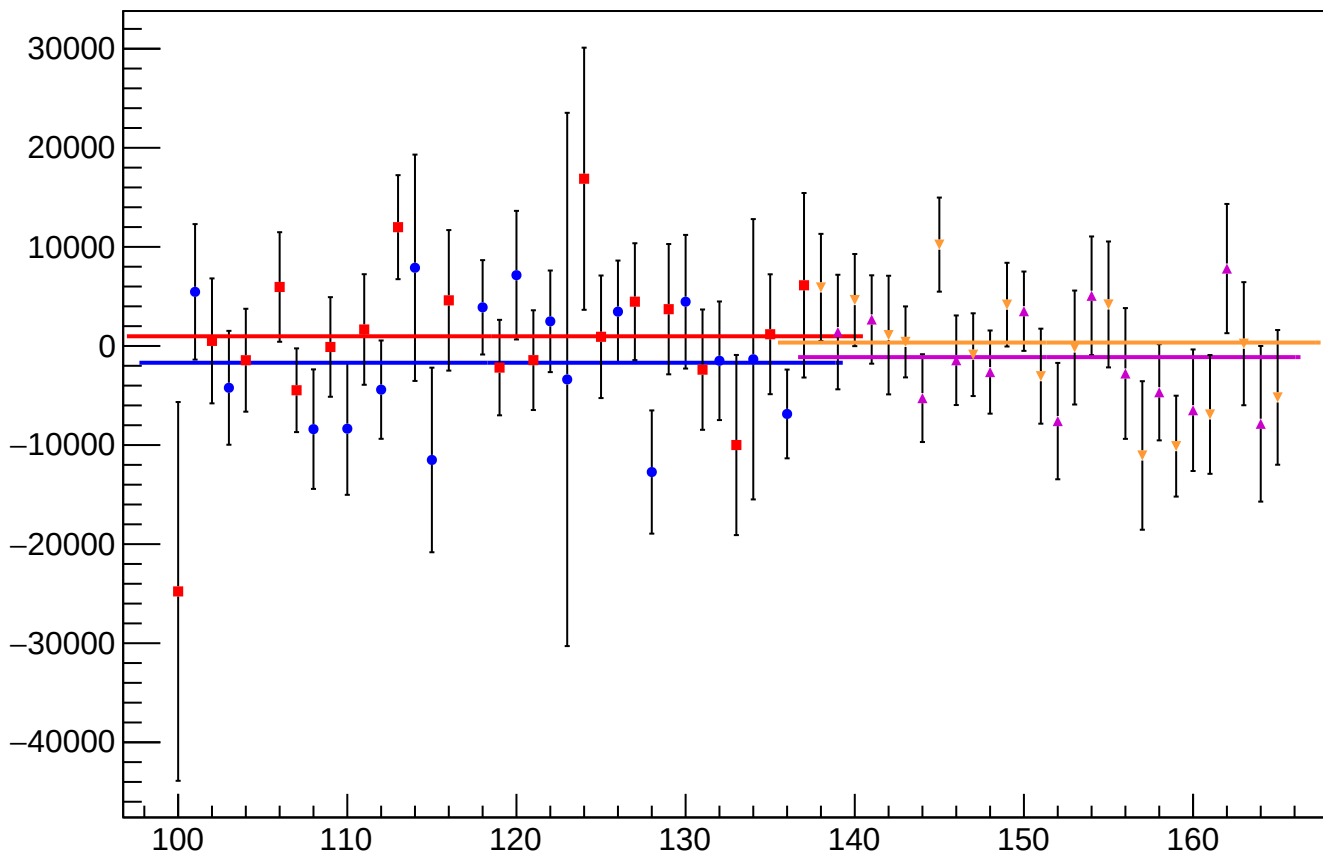
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 343.857 $\pm$ 1319.543 χ^2 /NDF:16.7/14

Right Out: 977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

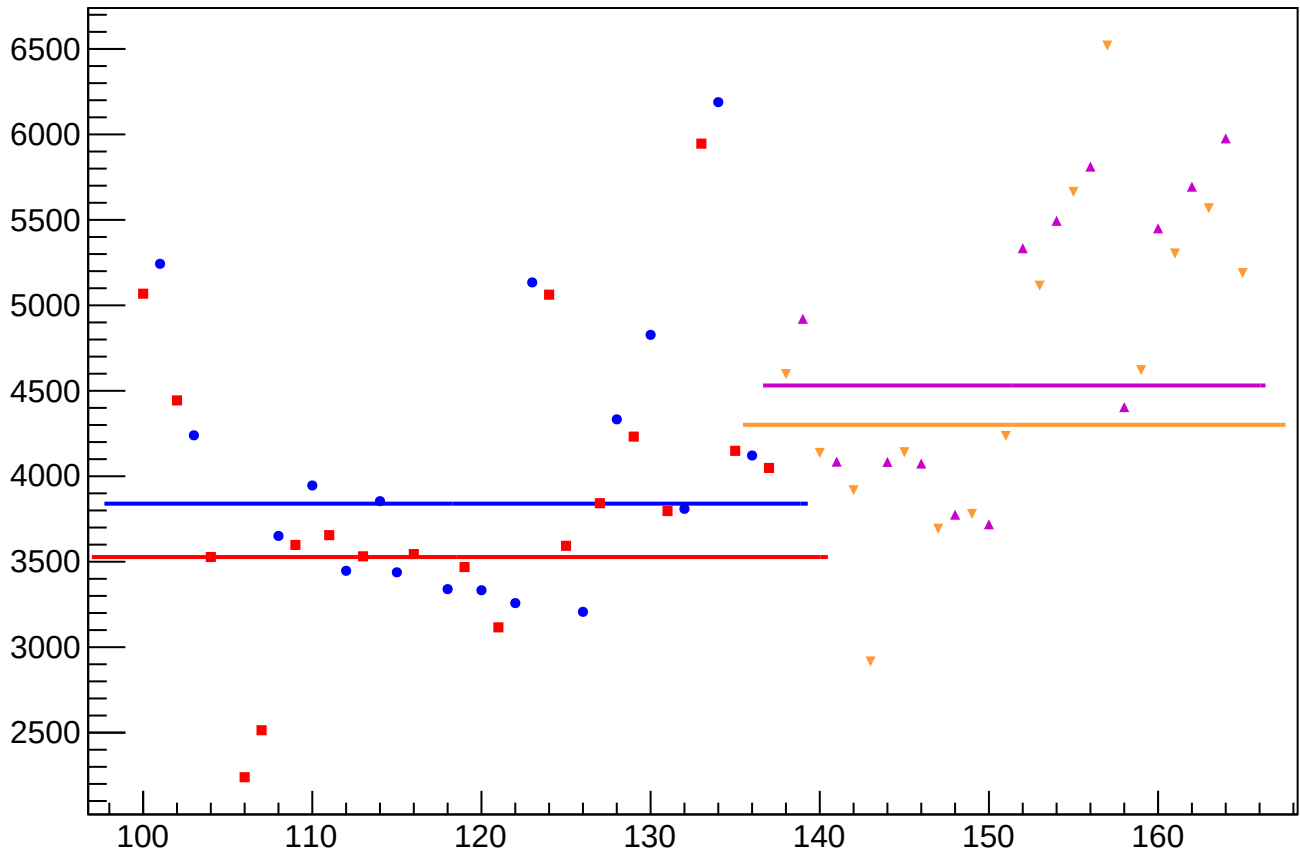
Left In: -1126.259 $\pm$ 1431.723 χ^2 /NDF:9.5/12

+ sign -535.976 $\pm$ 994.449 χ^2 /NDF: 33.6/31

All: -284.980 $\pm$ 702.729 χ^2 /NDF: 58.3/63

- sign -34.629 $\pm$ 993.169 χ^2 /NDF: 24.6/31

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4301.041+/-0.933 χ^2/NDF : 879483.5/14

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

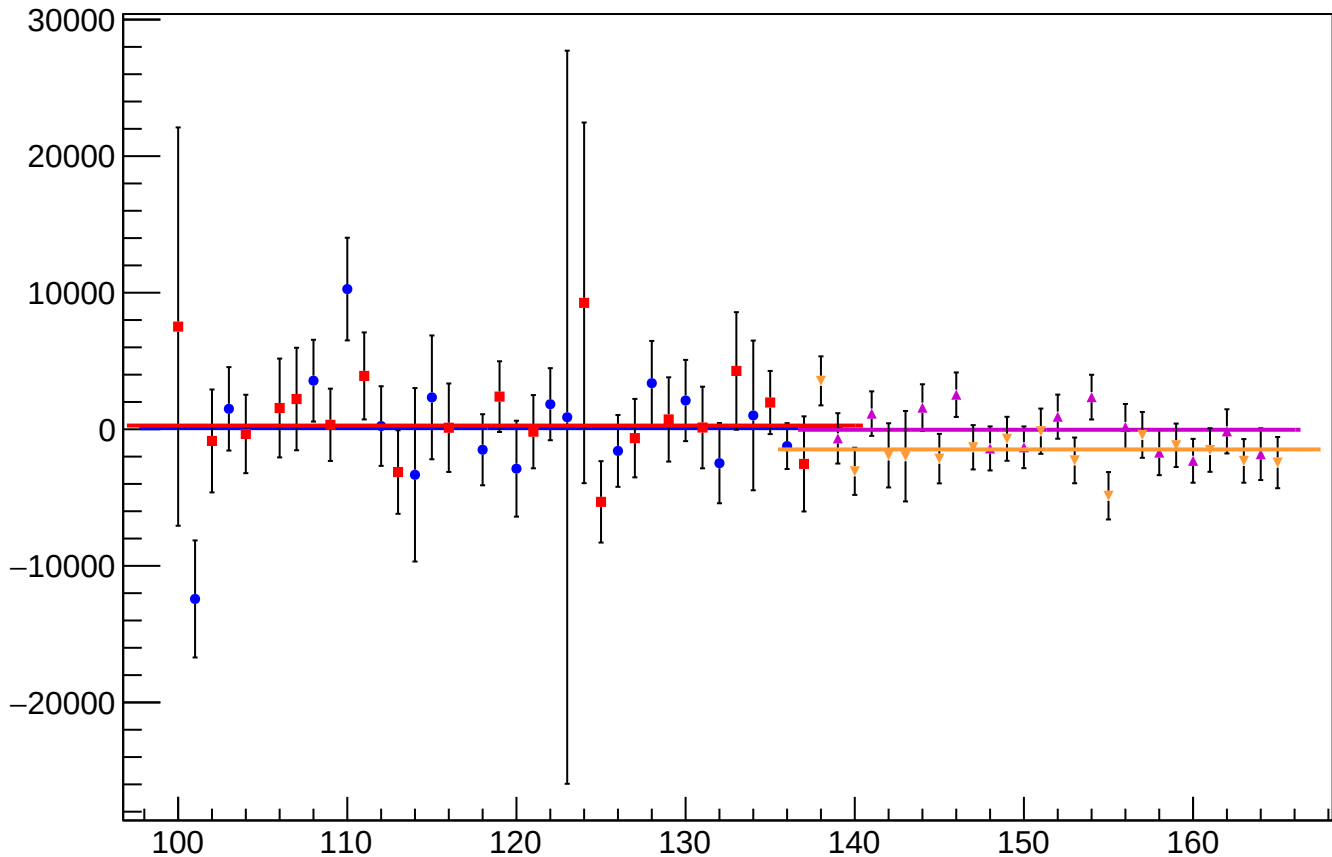
Left In: 4531.141+/-1.012 χ^2/NDF : 559191.9/12

+ sign 4101.739+/-0.703 χ^2/NDF : 1311043.5/31

All: 4053.474+/-0.496 χ^2/NDF : 2948928.9/63

- sign 4005.787+/-0.699 χ^2/NDF : 1628519.2/31

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1474.209 $\pm$ 453.605 χ^2 /NDF:14.8/14

Right Out: 272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

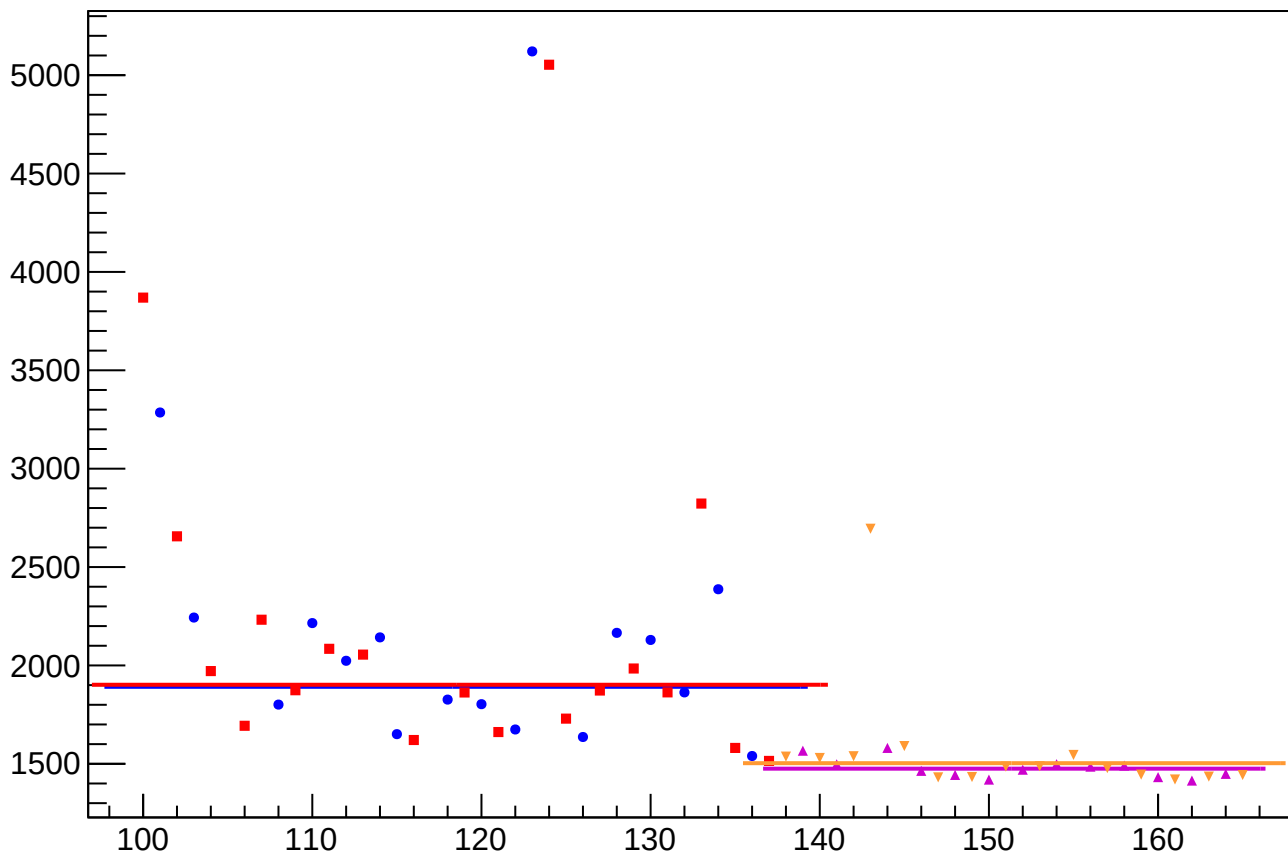
Left In: -34.763 $\pm$ 459.930 χ^2 /NDF:11.9/12

+ sign -1057.369 $\pm$ 388.214 χ^2 /NDF: 40.9/31

All: -504.930 $\pm$ 275.052 χ^2 /NDF: 67.1/63

- sign 51.905 $\pm$ 389.755 χ^2 /NDF: 22.2/31

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1503.218+/-0.321 χ^2/NDF : 288722.1/14

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1475.317+/-0.325 χ^2/NDF : 21695.8/12

+ sign 1607.097+/-0.275 χ^2/NDF : 1145267.4/31

All: 1601.338+/-0.194 χ^2/NDF : 2113273.9/63

- sign 1595.534+/-0.276 χ^2/NDF : 967122.9/31

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



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

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

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

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

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 0.000+/-0.000 χ^2 /NDF: 0.0/0

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



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

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

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

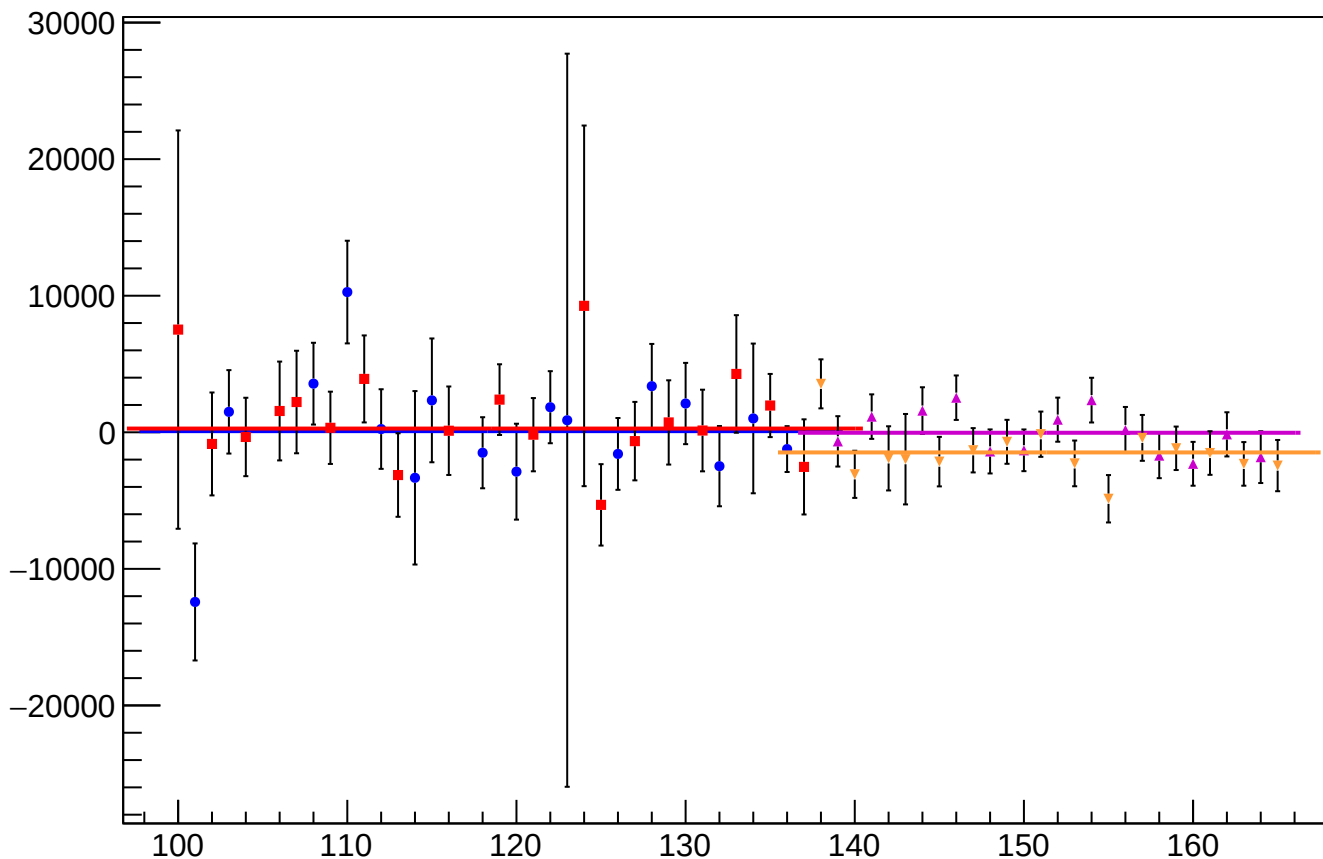
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -1474.209 ± 453.605 $\chi^2/\text{NDF}: 14.8/14$

Right Out: 272.707 ± 734.115 $\chi^2/\text{NDF}: 10.2/18$

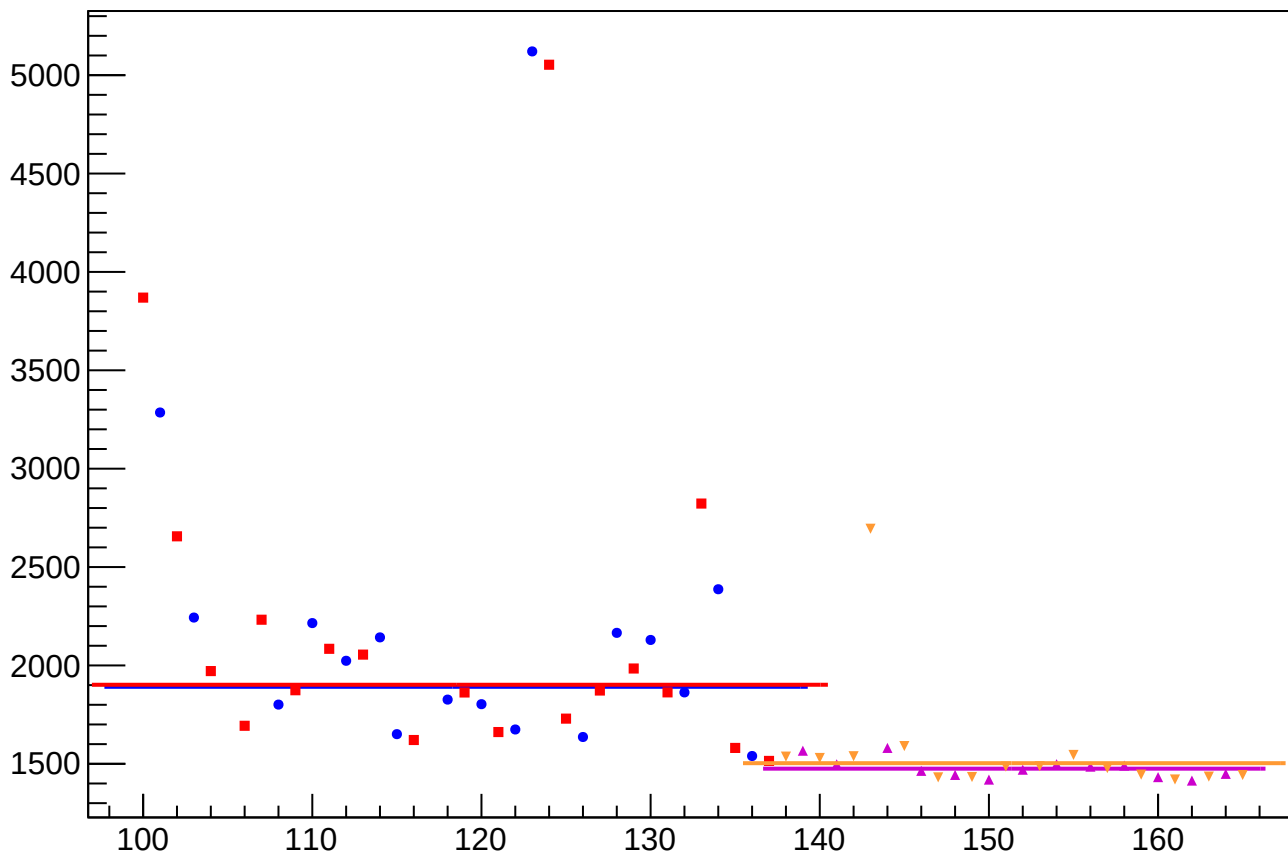
Left In: -34.763 ± 459.930 $\chi^2/\text{NDF}: 11.9/12$

+ sign -1057.369 ± 388.214 $\chi^2/\text{NDF}: 40.9/31$

All: -504.930 ± 275.052 $\chi^2/\text{NDF}: 67.1/63$

- sign 51.905 ± 389.755 $\chi^2/\text{NDF}: 22.2/31$

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1503.218 $\pm$ 0.321 χ^2 /NDF: 288722.1/14

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

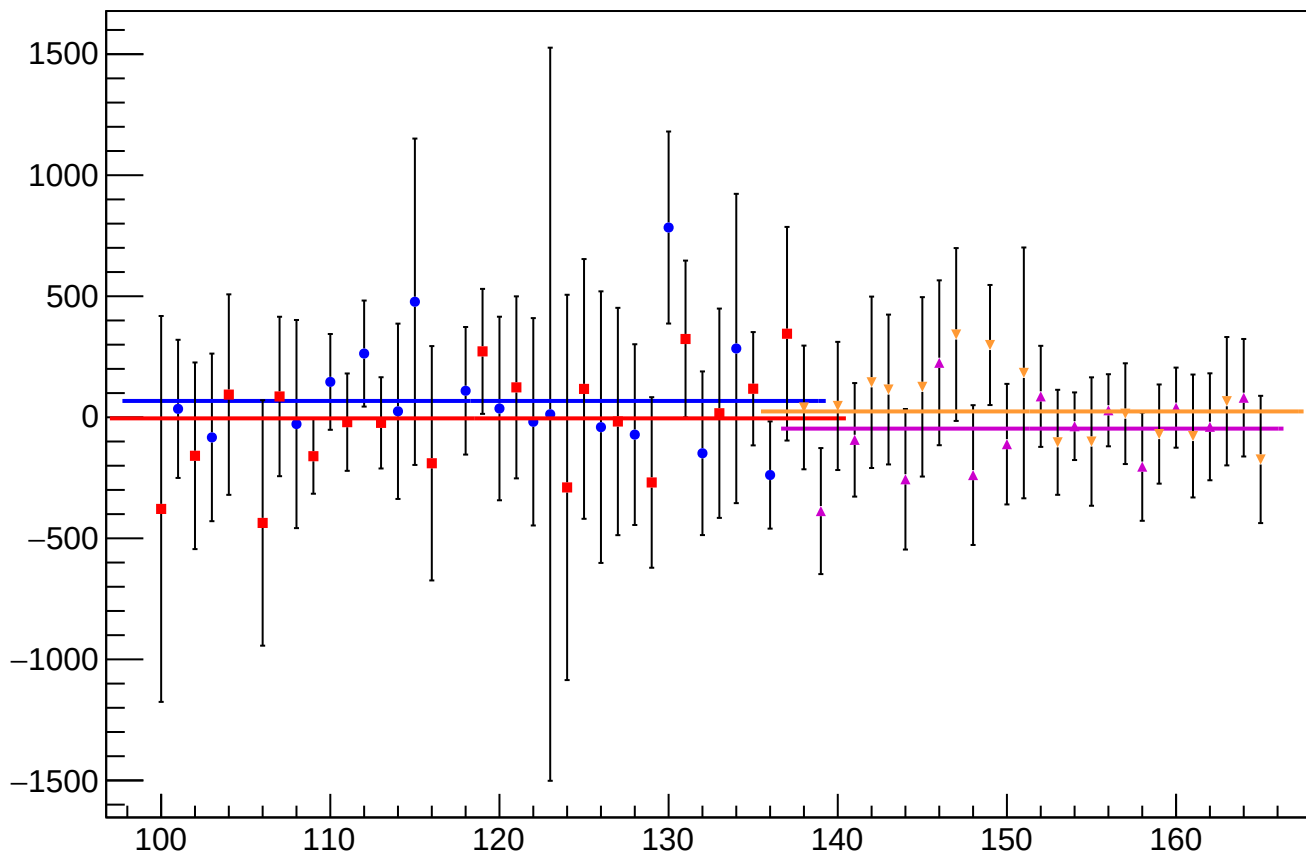
Left In: 1475.317 $\pm$ 0.325 χ^2 /NDF: 21695.8/12

+ sign 1607.097 $\pm$ 0.275 χ^2 /NDF: 1145267.4/31

All: 1601.338 $\pm$ 0.194 χ^2 /NDF: 2113273.9/63

- sign 1595.534 $\pm$ 0.276 χ^2 /NDF: 967122.9/31

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 24.227 $\pm$ 69.052 χ^2 /NDF: 3.9/14

Right Out: -4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

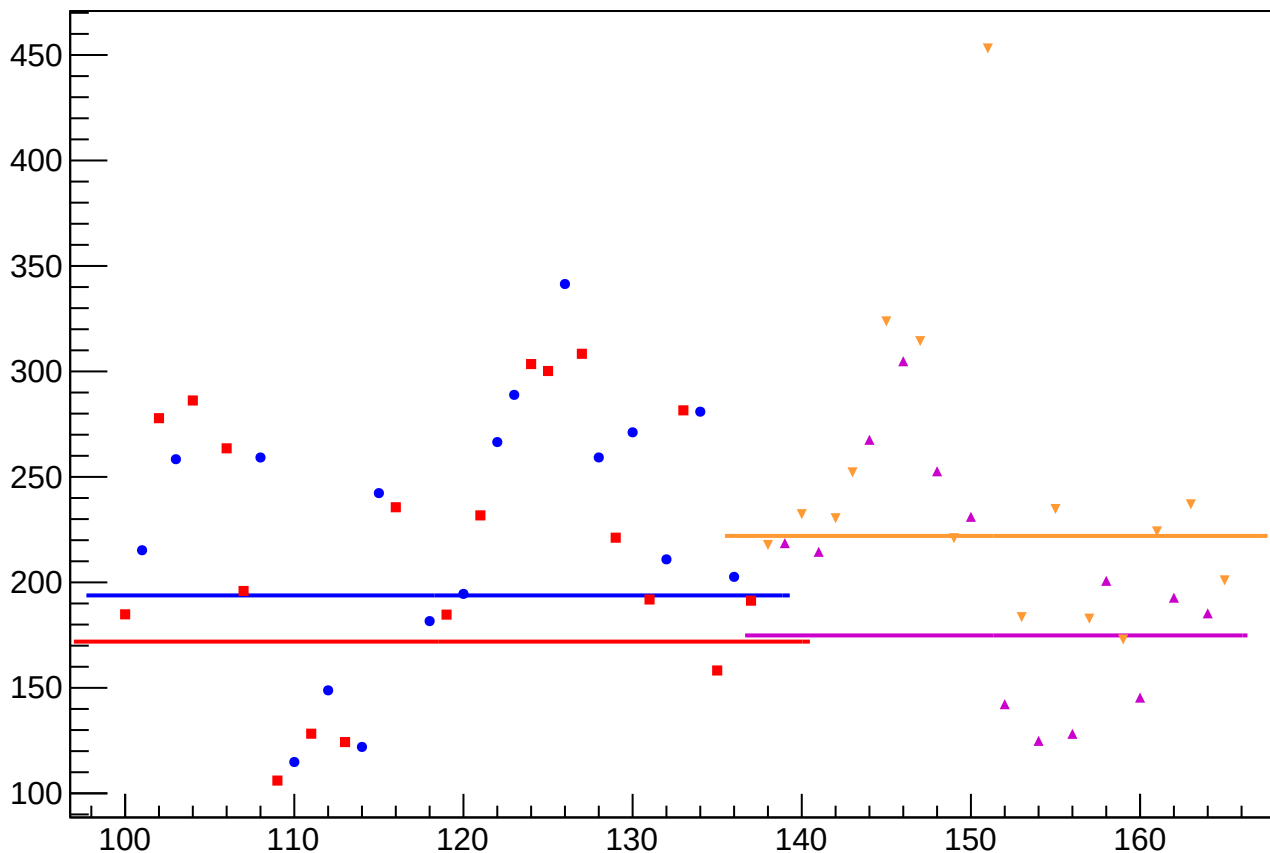
Left In: -46.792 $\pm$ 58.235 χ^2 /NDF: 5.1/12

+ sign 42.824 $\pm$ 52.163 χ^2 /NDF: 11.6/31

All: 1.199 $\pm$ 33.973 χ^2 /NDF: 24.4/63

- sign -29.465 $\pm$ 44.771 χ^2 /NDF: 11.7/31

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: 222.021 $\pm$ 0.049 χ^2 /NDF: 978921.4/14

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

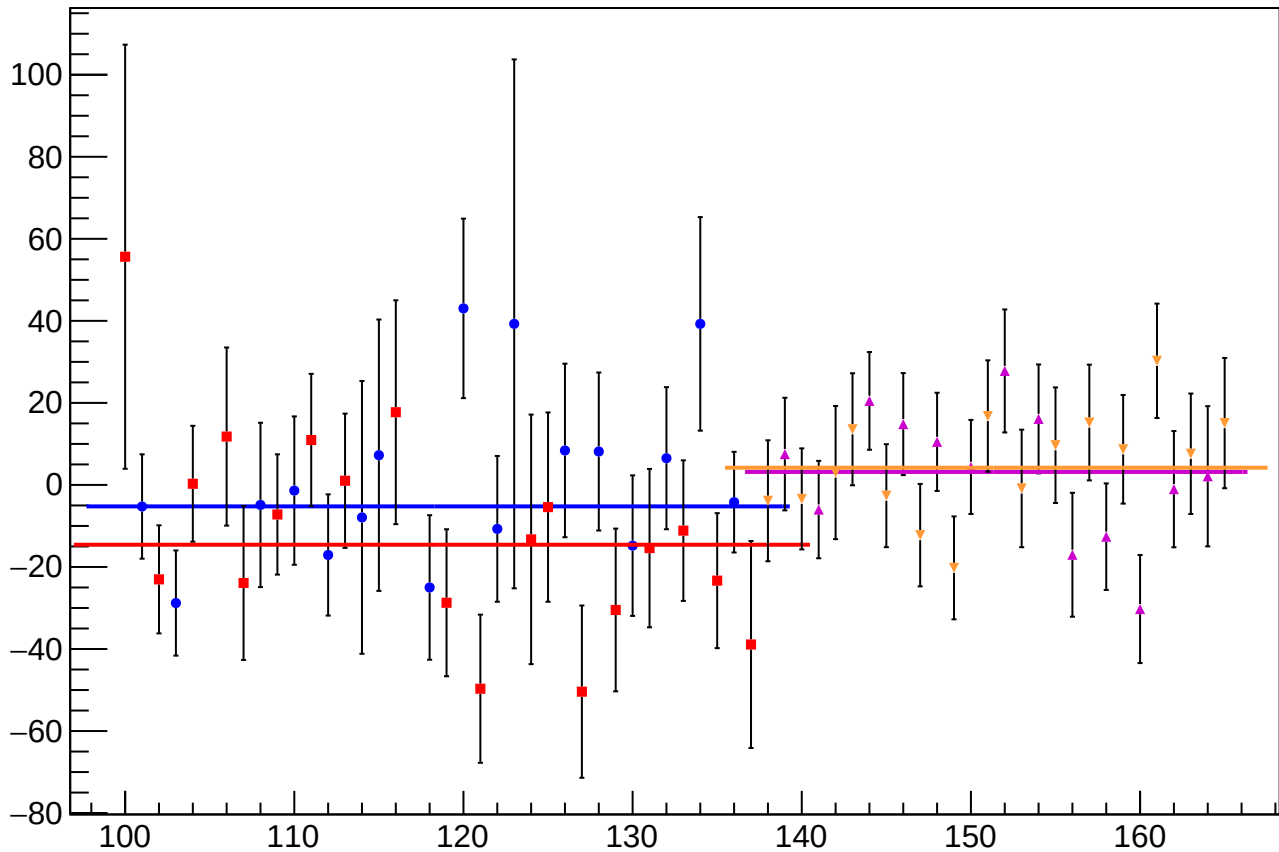
Left In: 174.854 $\pm$ 0.041 χ^2 /NDF: 1464681.0/12

+ sign 209.911 $\pm$ 0.037 χ^2 /NDF: 2132522.7/31

All: 189.033 $\pm$ 0.024 χ^2 /NDF: 5732748.5/63

- sign 173.654 $\pm$ 0.032 χ^2 /NDF: 3043832.7/31

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 $\pm$ 4.356 χ^2 /NDF: 15.5/16

Left Out: 4.197 $\pm$ 3.552 χ^2 /NDF:12.9/14

Right Out: -14.579 $\pm$ 4.265 χ^2 /NDF: 19.5/18

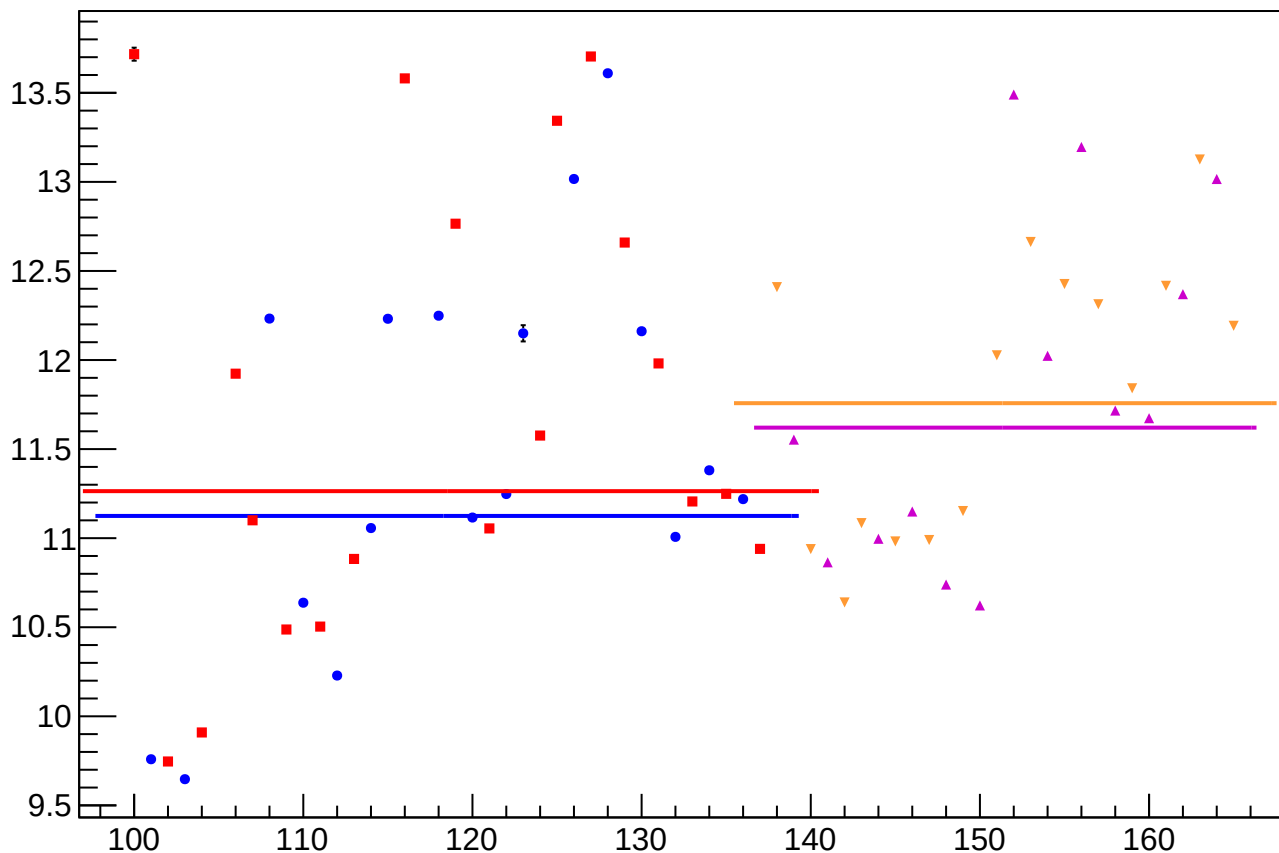
Left In: 3.164 $\pm$ 3.649 χ^2 /NDF:17.5/12

+ sign 0.432 $\pm$ 2.753 χ^2 /NDF: 31.2/31

All: -1.934 $\pm$ 1.953 χ^2 /NDF: 79.7/63

- sign -4.335 $\pm$ 2.773 χ^2 /NDF: 47.0/31

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: 11.758 $\pm$ 0.003 χ^2 /NDF: 86762.2/14

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

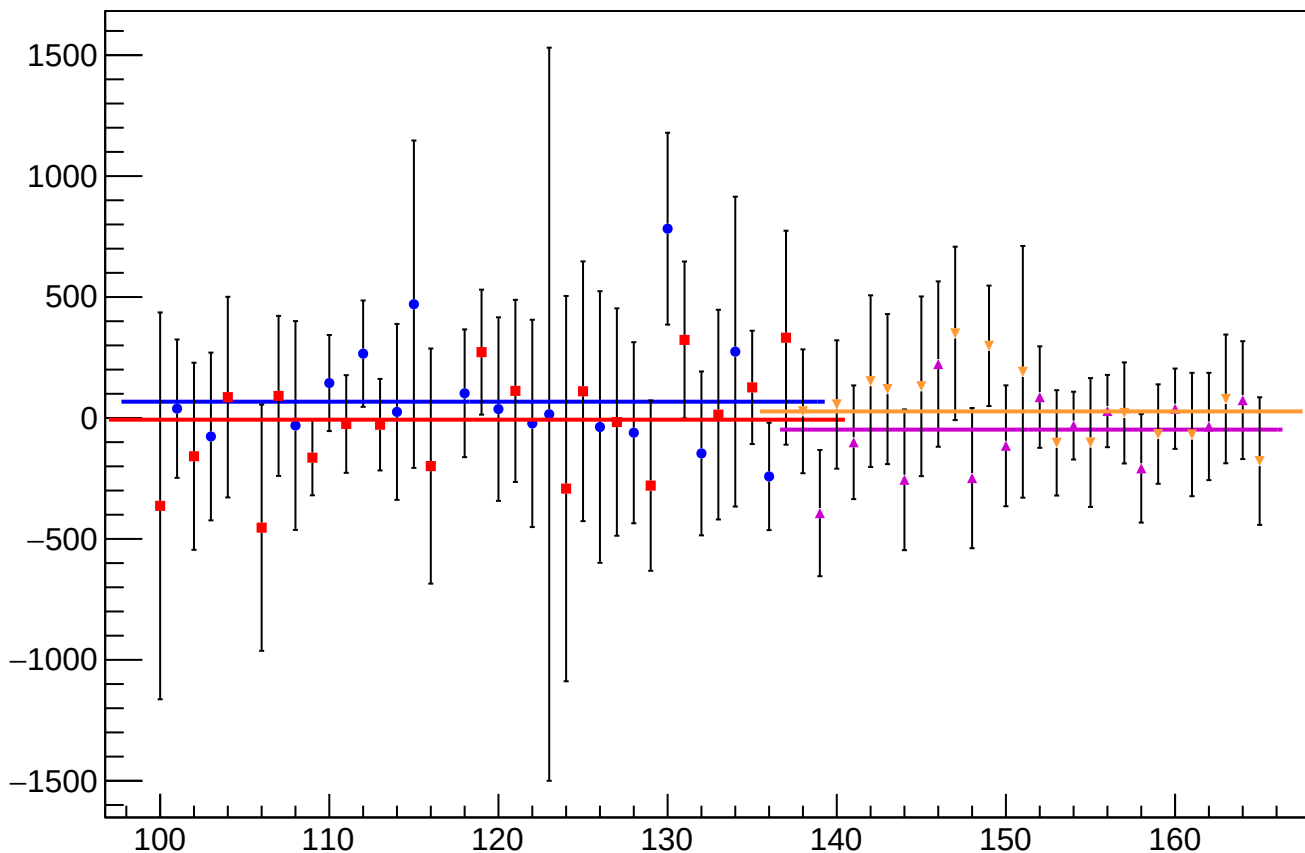
Left In: 11.620 $\pm$ 0.003 χ^2 /NDF: 116298.7/12

+ sign 11.505 $\pm$ 0.002 χ^2 /NDF: 244648.3/31

All: 11.488 $\pm$ 0.001 χ^2 /NDF: 516911.5/63

- sign 11.470 $\pm$ 0.002 χ^2 /NDF: 272100.6/31

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: 27.121+/-69.290 χ^2/NDF : 4.0/14

Right Out: -7.039+/-70.212 χ^2/NDF : 6.4/18

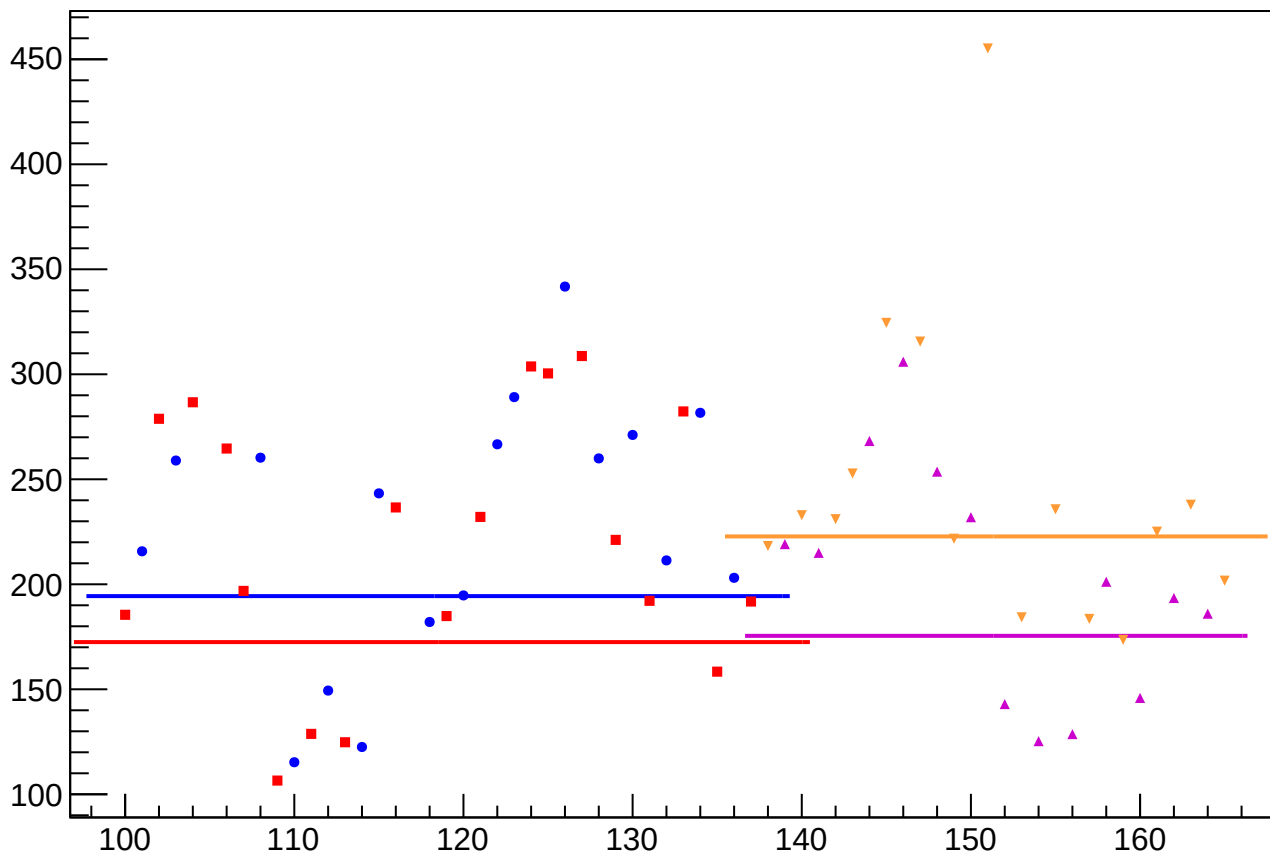
Left In: -48.127+/-58.431 χ^2/NDF : 5.2/12

+ sign 44.390+/-52.324 χ^2/NDF : 11.6/31

All: 0.801+/-34.080 χ^2/NDF : 24.7/63

- sign -31.315+/-44.913 χ^2/NDF : 11.9/31

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 222.789 $\pm$ 0.049 χ^2 /NDF: 978158.0/14

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

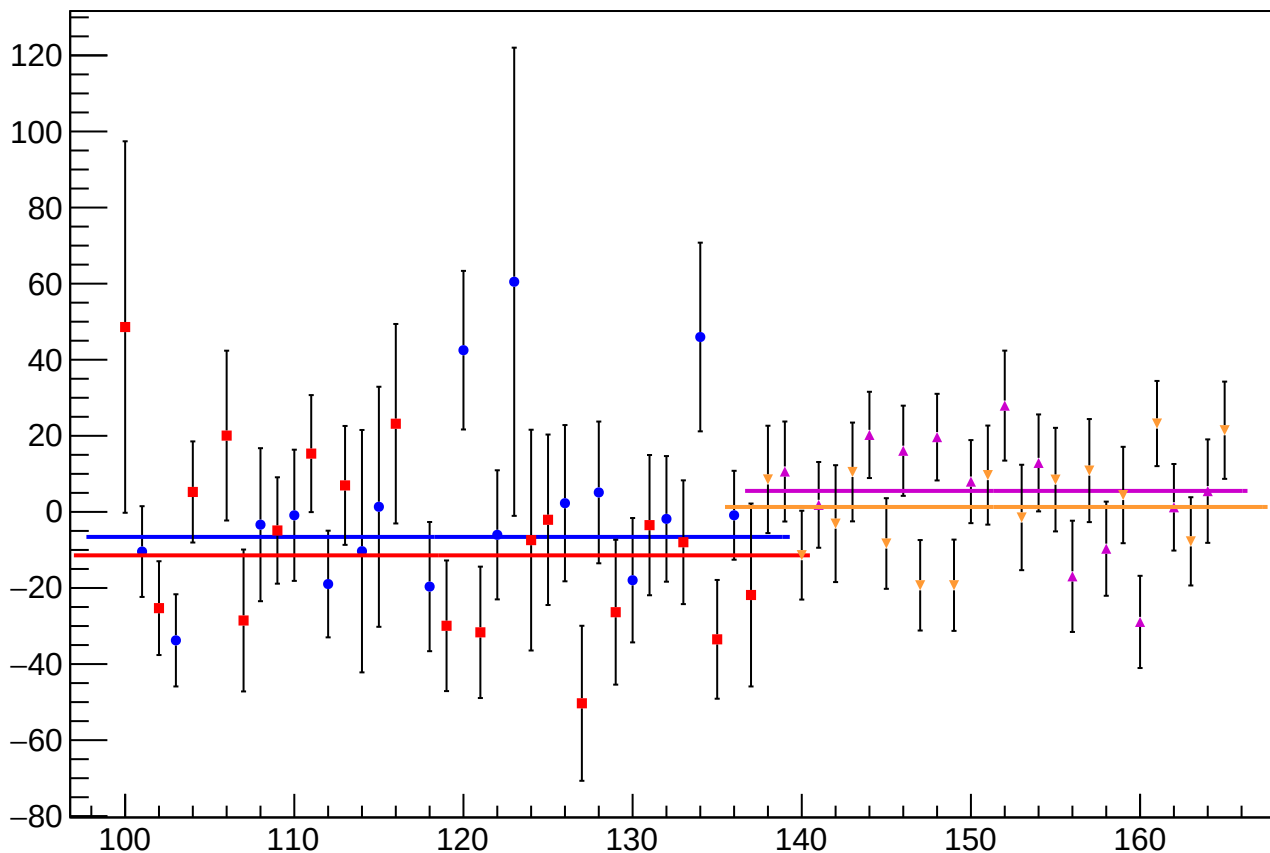
Left In: 175.452 $\pm$ 0.041 χ^2 /NDF: 1462435.6/12

+ sign 210.574 $\pm$ 0.037 χ^2 /NDF: 2128024.6/31

All: 189.649 $\pm$ 0.024 χ^2 /NDF: 5717748.7/63

- sign 174.232 $\pm$ 0.032 χ^2 /NDF: 3034212.8/31

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: 1.297 ± 3.274 χ^2/NDF : 16.8/14

Right Out: -11.423 ± 4.080 χ^2/NDF : 23.0/18

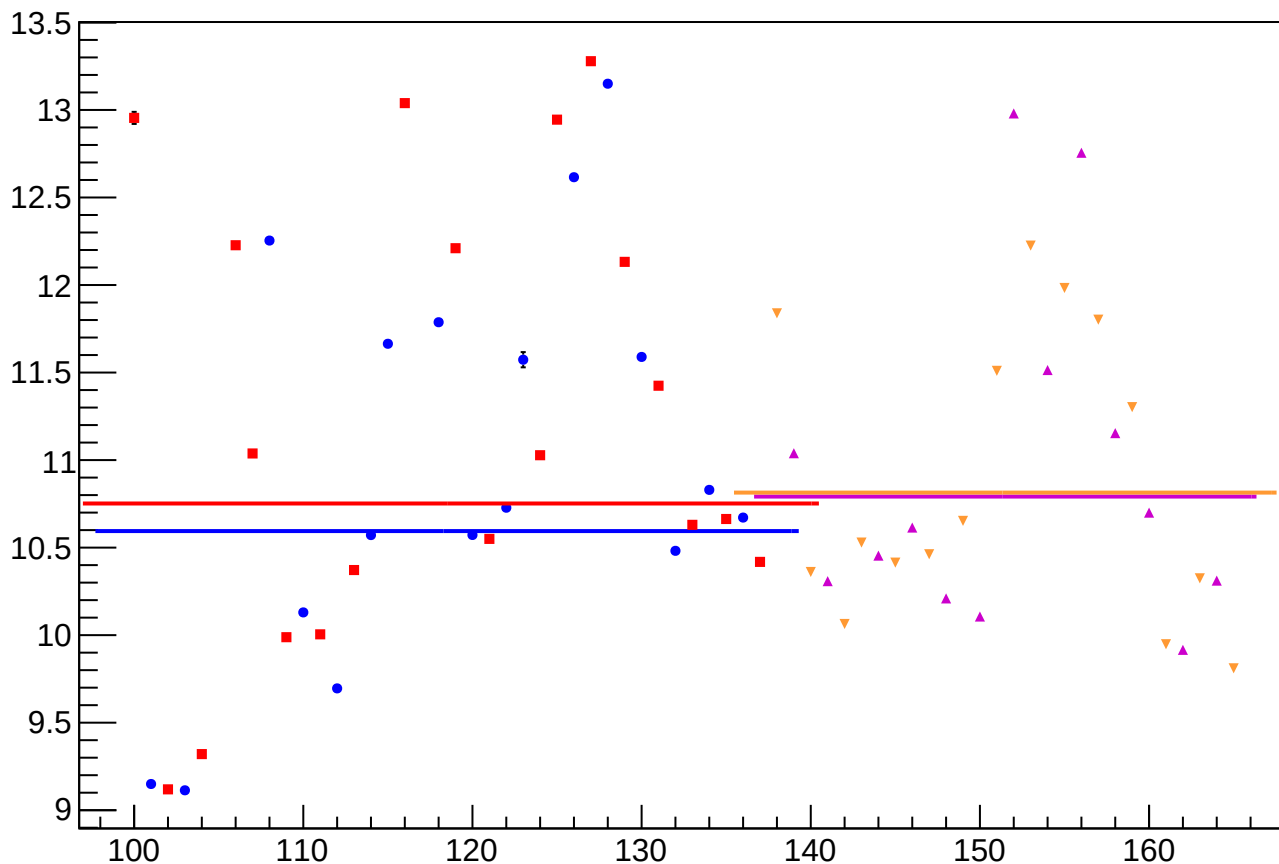
Left In: 5.520 ± 3.395 χ^2/NDF : 19.1/12

+ sign -1.716 ± 2.572 χ^2/NDF : 38.4/31

All: -1.567 ± 1.832 χ^2/NDF : 90.7/63

- sign -1.413 ± 2.610 χ^2/NDF : 52.3/31

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 ± 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.814 ± 0.002 χ^2/NDF : 106321.6/14

Right Out: 10.752 ± 0.003 χ^2/NDF : 177173.0/18

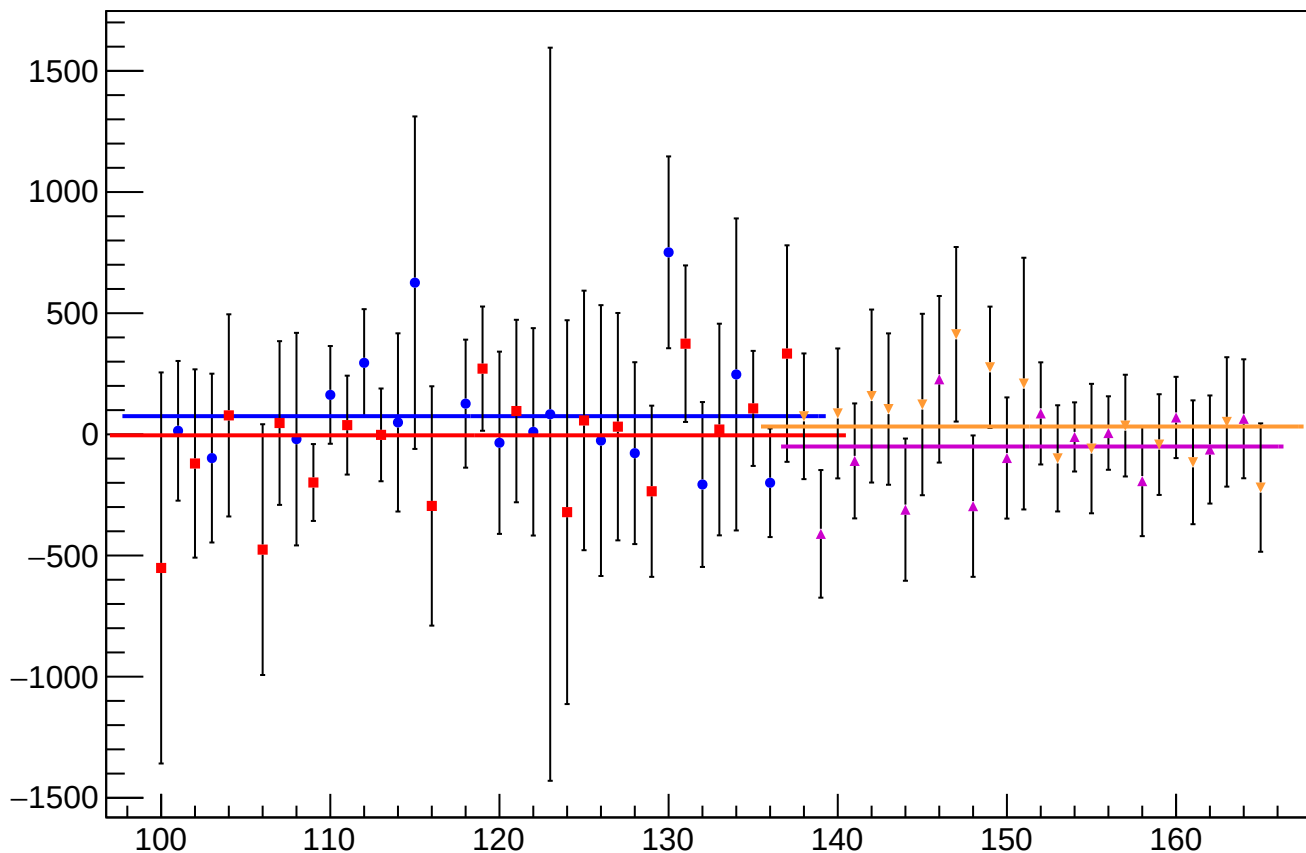
Left In: 10.792 ± 0.002 χ^2/NDF : 124227.1/12

+ sign 10.730 ± 0.002 χ^2/NDF : 269833.4/31

All: 10.752 ± 0.001 χ^2/NDF : 571649.8/63

- sign 10.775 ± 0.002 χ^2/NDF : 301511.4/31

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: 32.344 $\pm$ 69.736 χ^2 /NDF: 4.3/14

Right Out: -3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

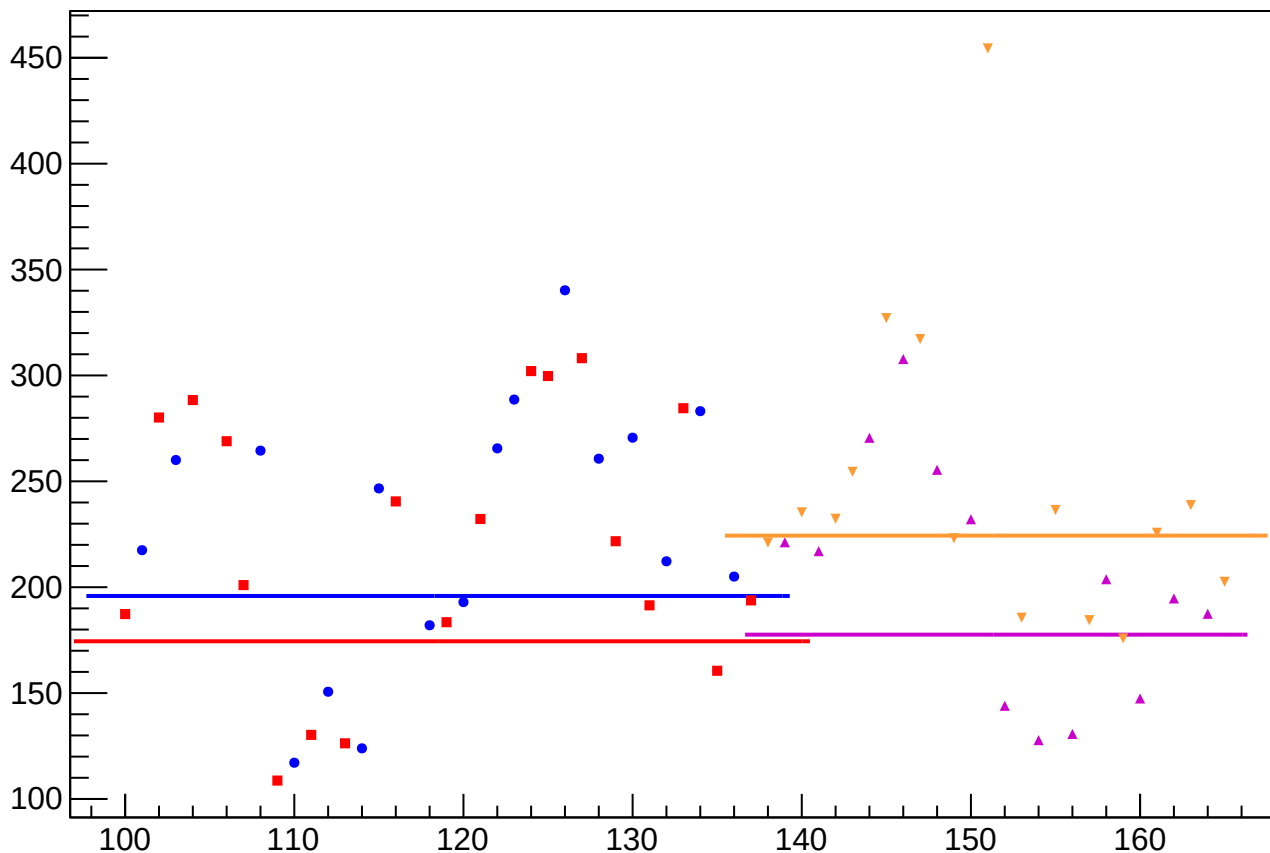
Left In: -50.162 $\pm$ 59.056 χ^2 /NDF: 5.9/12

+ sign 50.707 $\pm$ 52.667 χ^2 /NDF: 12.2/31

All: 3.665 $\pm$ 34.375 χ^2 /NDF: 27.0/63

- sign -31.247 $\pm$ 45.372 χ^2 /NDF: 13.5/31

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: 224.365 $\pm$ 0.049 χ^2 /NDF: 966685.8/14

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

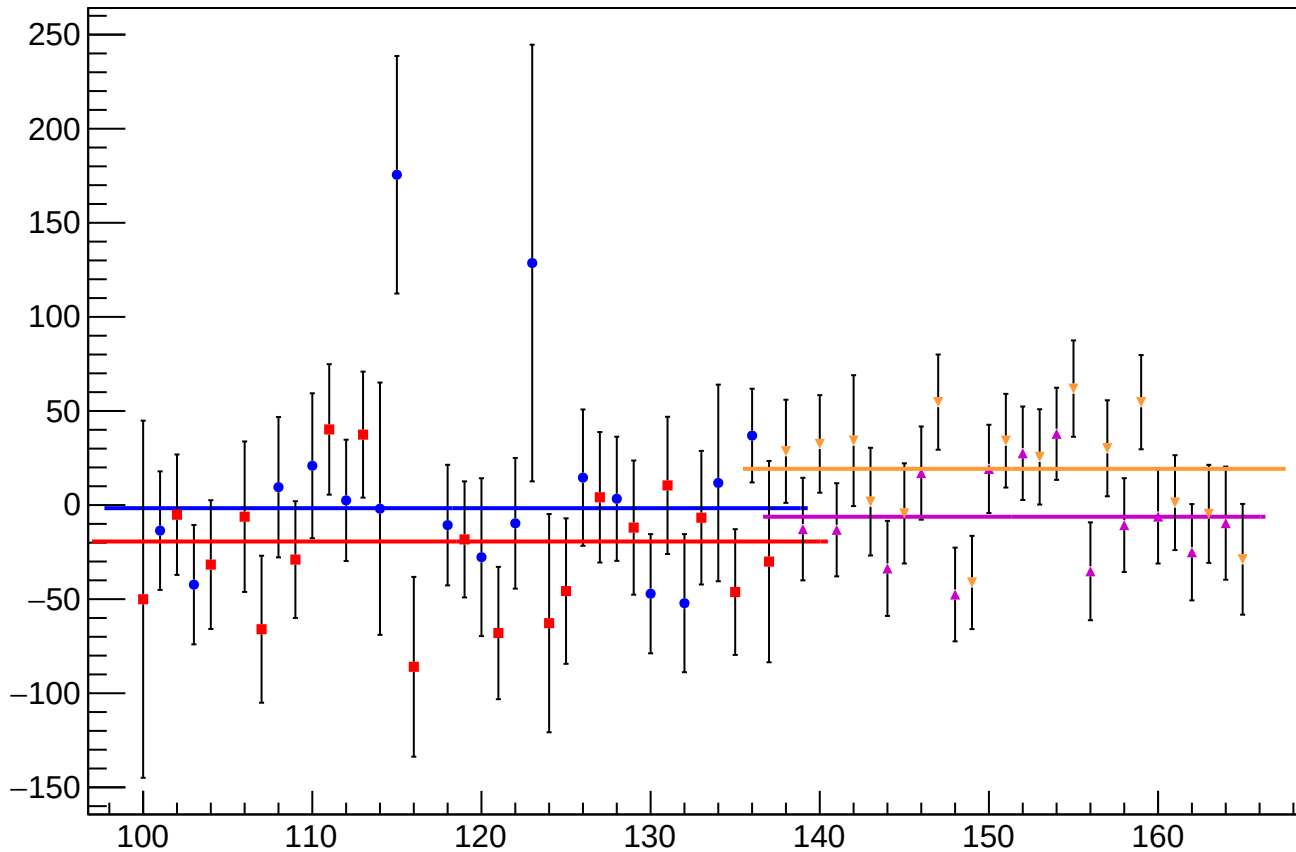
Left In: 177.591 $\pm$ 0.042 χ^2 /NDF: 1426683.9/12

+ sign 212.122 $\pm$ 0.037 χ^2 /NDF: 2089409.5/31

All: 191.567 $\pm$ 0.024 χ^2 /NDF: 5577951.3/63

- sign 176.311 $\pm$ 0.032 χ^2 /NDF: 2957758.5/31

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: 19.259 ± 6.819 χ^2/NDF : 19.0/14

Right Out: -19.357 ± 8.556 χ^2/NDF : 14.8/18

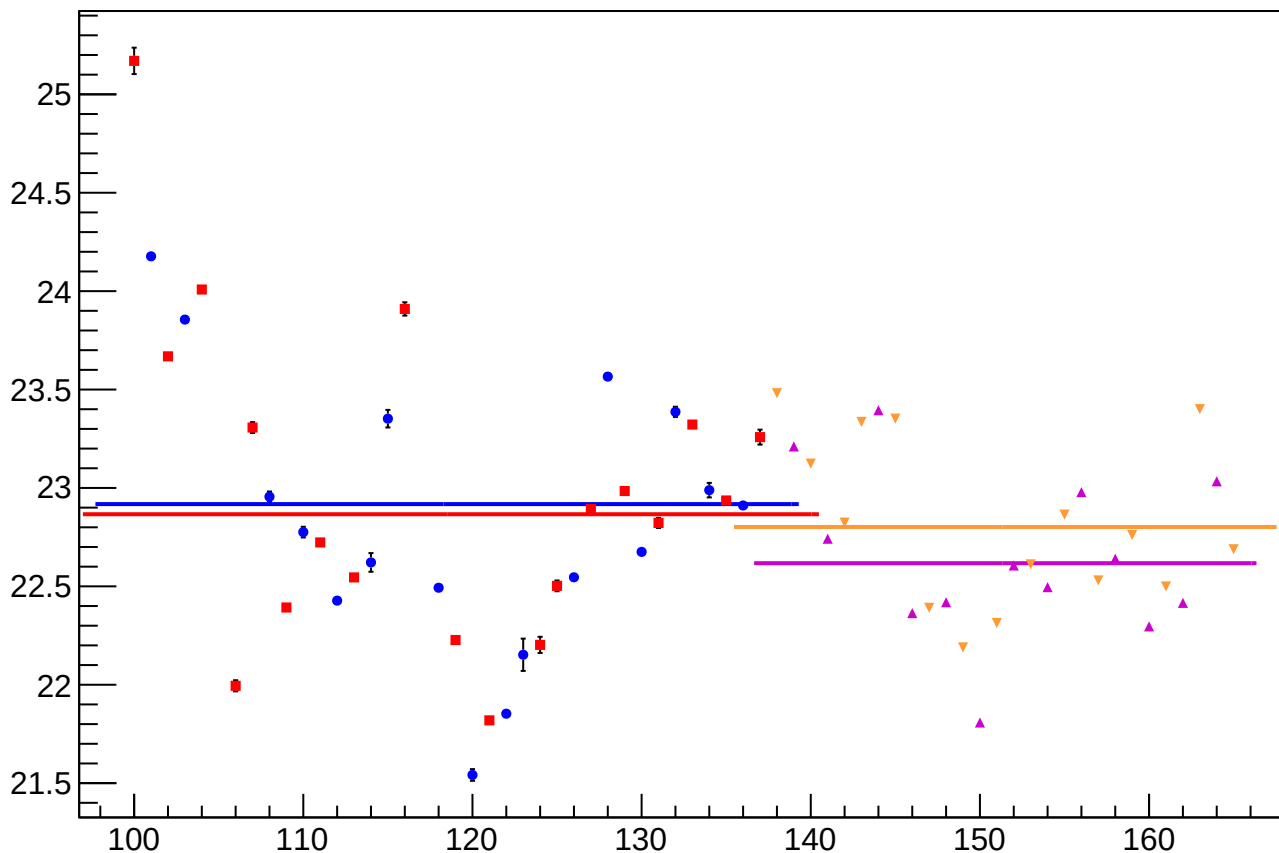
Left In: -6.203 ± 7.031 χ^2/NDF : 13.0/12

+ sign 11.502 ± 5.409 χ^2/NDF : 41.1/31

All: 0.047 ± 3.833 χ^2/NDF : 79.3/63

- sign -11.506 ± 5.432 χ^2/NDF : 29.2/31

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: 22.802 $\pm$ 0.005 χ^2 /NDF: 7338.2/14

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

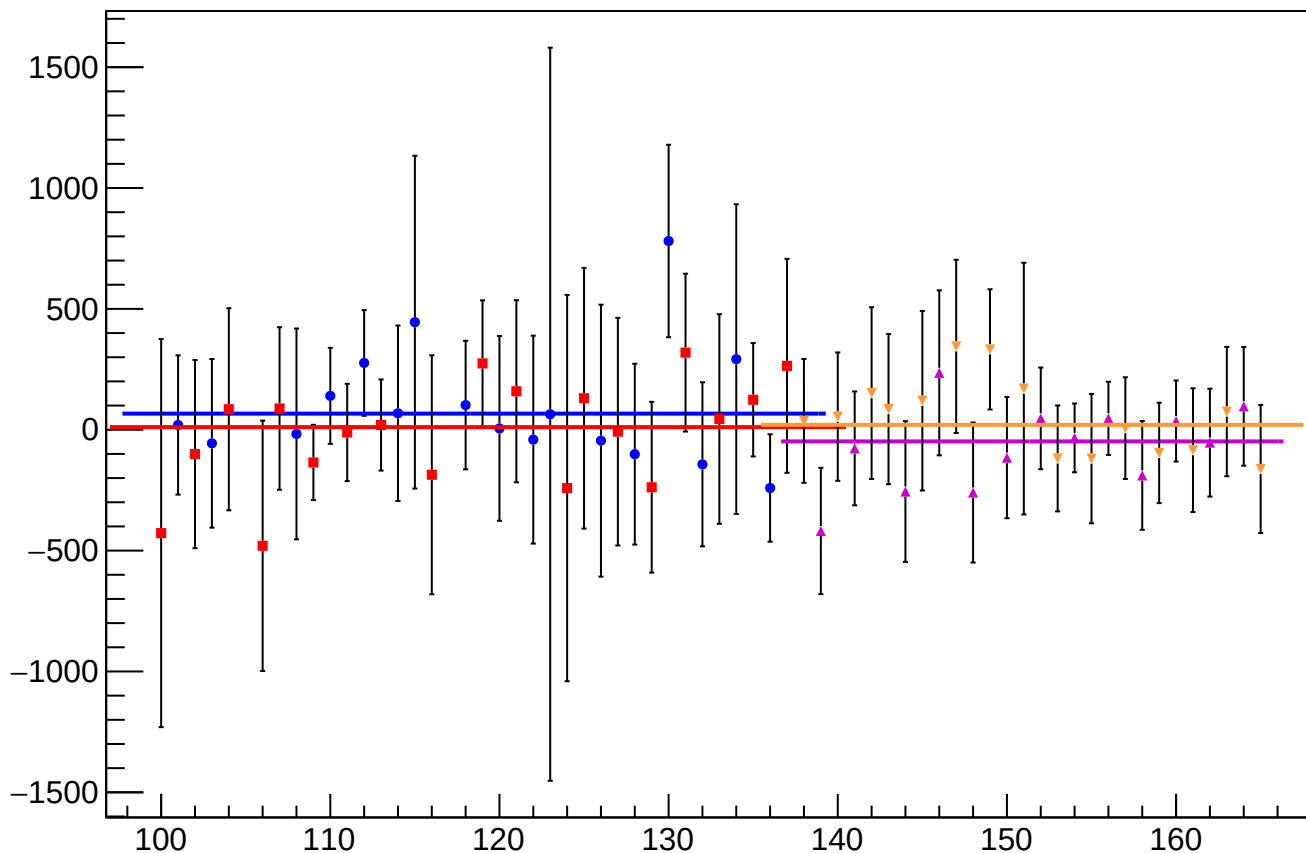
Left In: 22.618 $\pm$ 0.005 χ^2 /NDF: 6886.8/12

+ sign 22.845 $\pm$ 0.004 χ^2 /NDF: 19025.7/31

All: 22.782 $\pm$ 0.003 χ^2 /NDF: 38522.2/63

- sign 22.718 $\pm$ 0.004 χ^2 /NDF: 18948.6/31

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: 20.374 $\pm$ 69.570 χ^2 /NDF: 4.4/14

Right Out: 10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

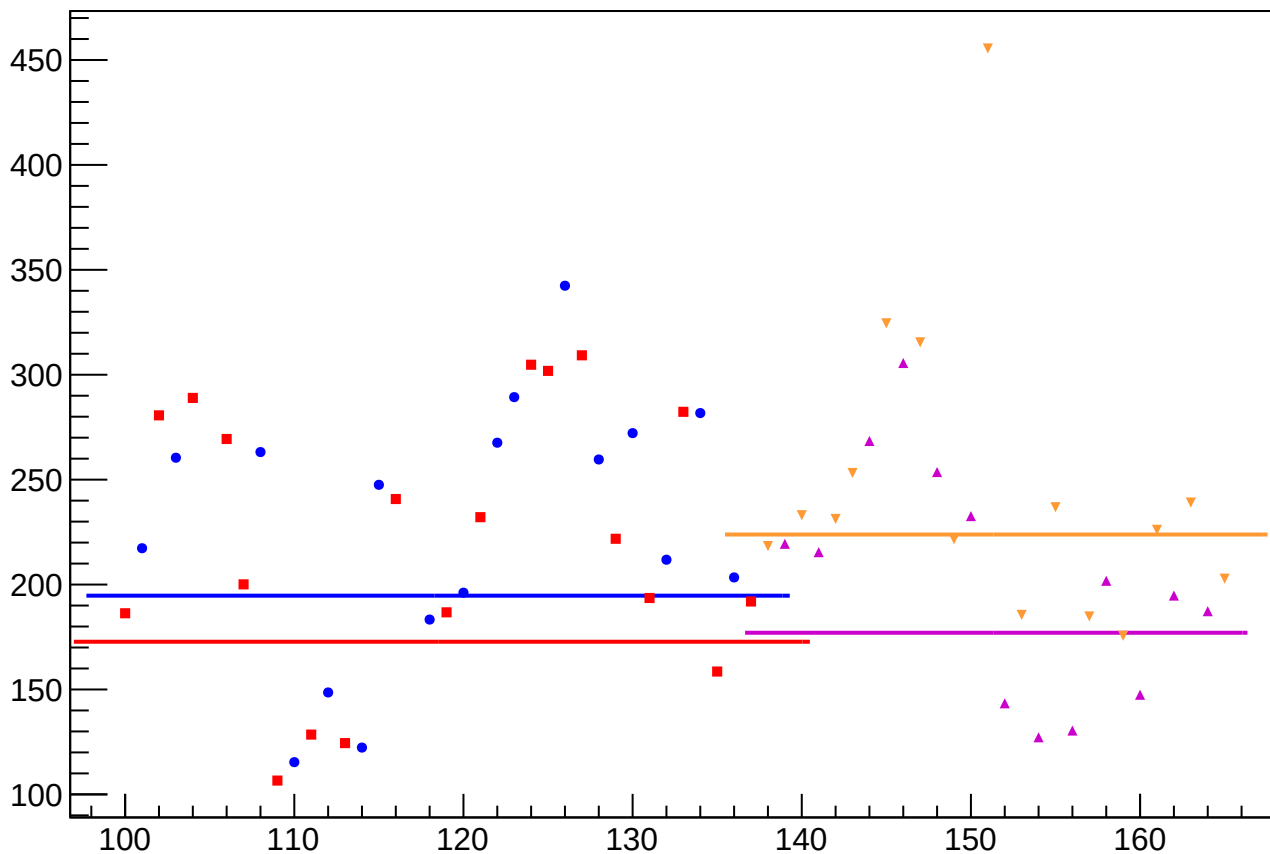
Left In: -48.262 $\pm$ 58.866 χ^2 /NDF: 5.4/12

+ sign 40.324 $\pm$ 52.495 χ^2 /NDF: 12.1/31

All: 3.398 $\pm$ 34.233 χ^2 /NDF: 24.6/63

- sign -23.925 $\pm$ 45.156 χ^2 /NDF: 11.5/31

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: 223.849 $\pm$ 0.049 χ^2 /NDF:957559.9/14

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

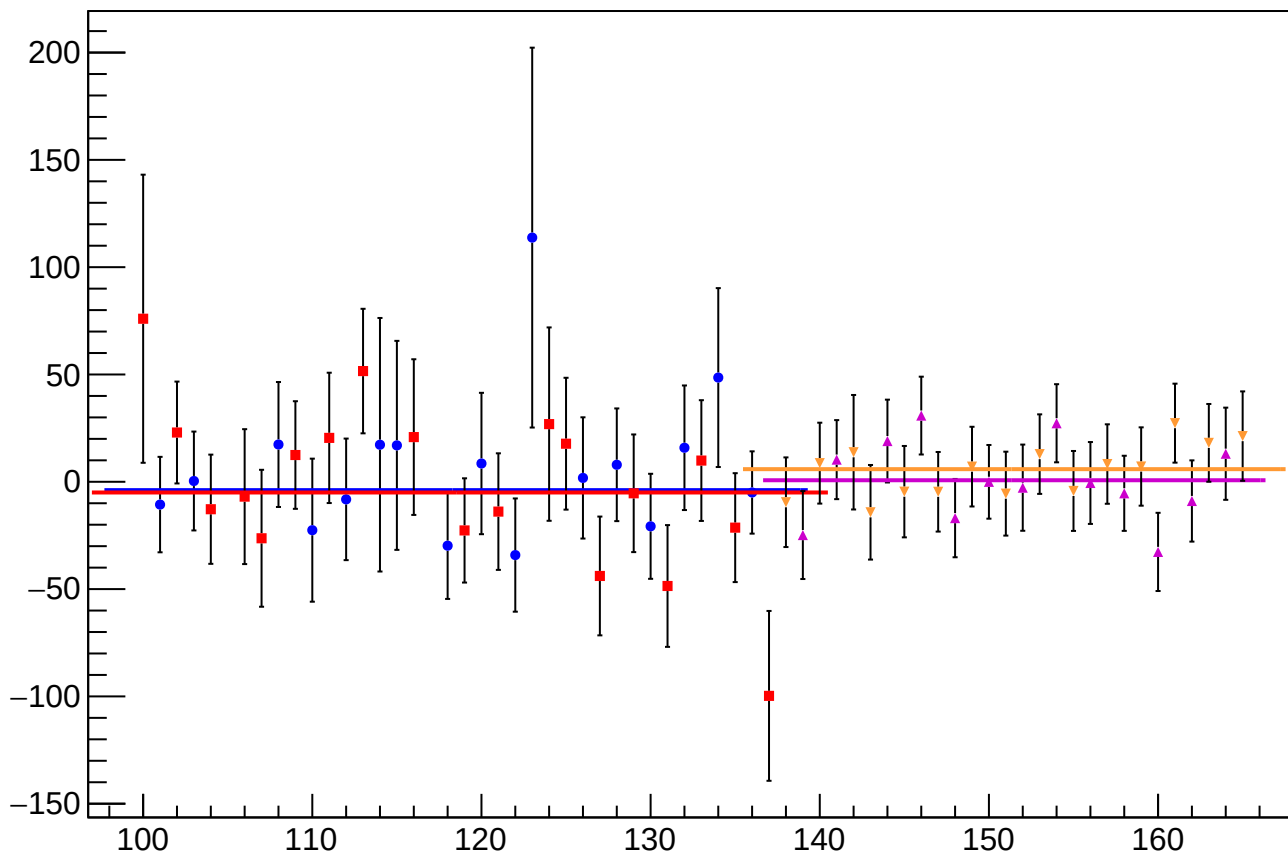
Left In: 177.032 $\pm$ 0.042 χ^2 /NDF:1413271.3/12

+ sign 211.298 $\pm$ 0.037 χ^2 /NDF: 2128598.5/31

All: 190.592 $\pm$ 0.024 χ^2 /NDF: 5684553.1/63

- sign 175.271 $\pm$ 0.032 χ^2 /NDF: 3014564.9/31

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: 5.885 ± 5.049 χ^2/NDF : 5.2/14

Right Out: -4.985 ± 6.727 χ^2/NDF : 21.3/18

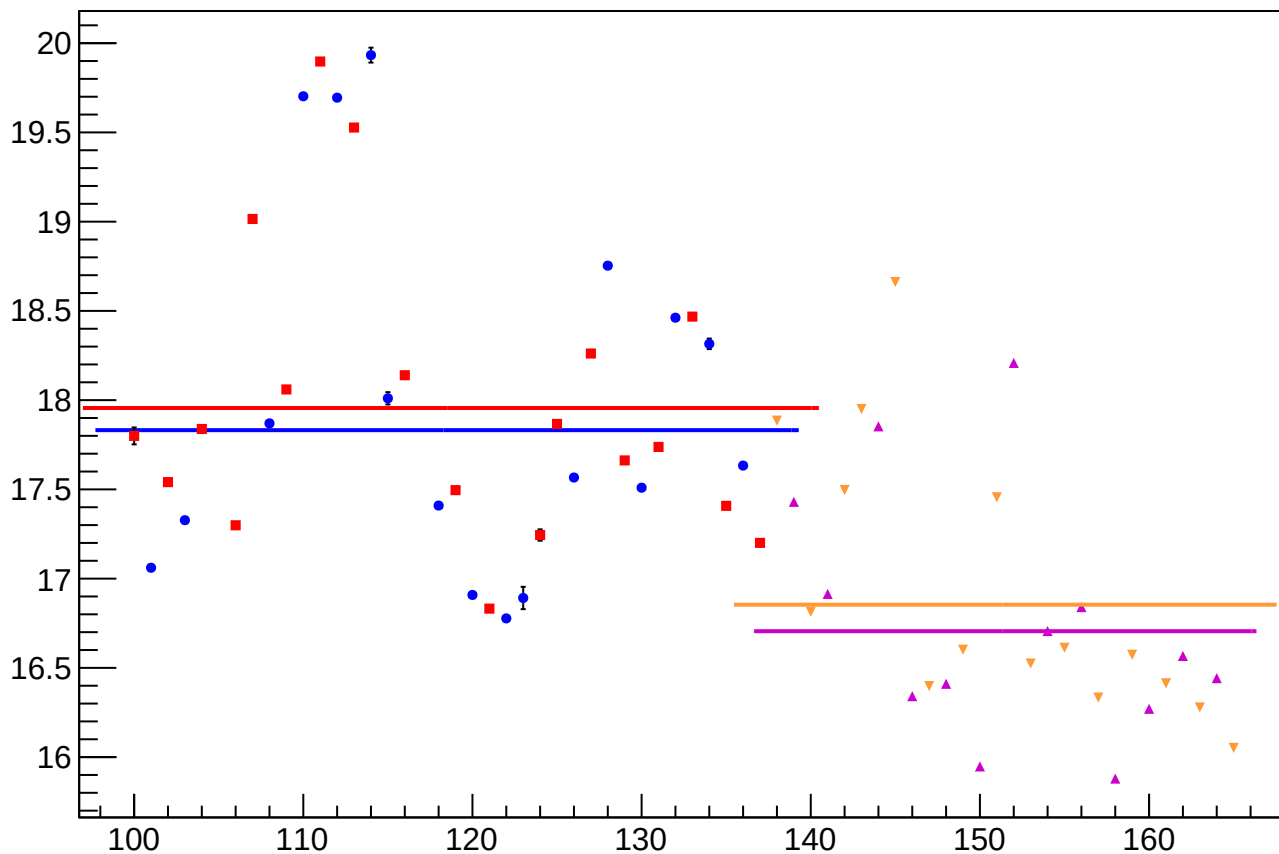
Left In: 0.719 ± 5.203 χ^2/NDF : 12.7/12

+ sign 2.484 ± 4.078 χ^2/NDF : 14.9/31

All: 0.552 ± 2.897 χ^2/NDF : 49.8/63

- sign -1.416 ± 4.115 χ^2/NDF : 34.4/31

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 $\pm$ 0.005 χ^2/NDF : 30863.4/16

Left Out: 16.854 $\pm$ 0.004 χ^2/NDF : 38039.4/14

Right Out: 17.956 $\pm$ 0.005 χ^2/NDF : 25448.9/18

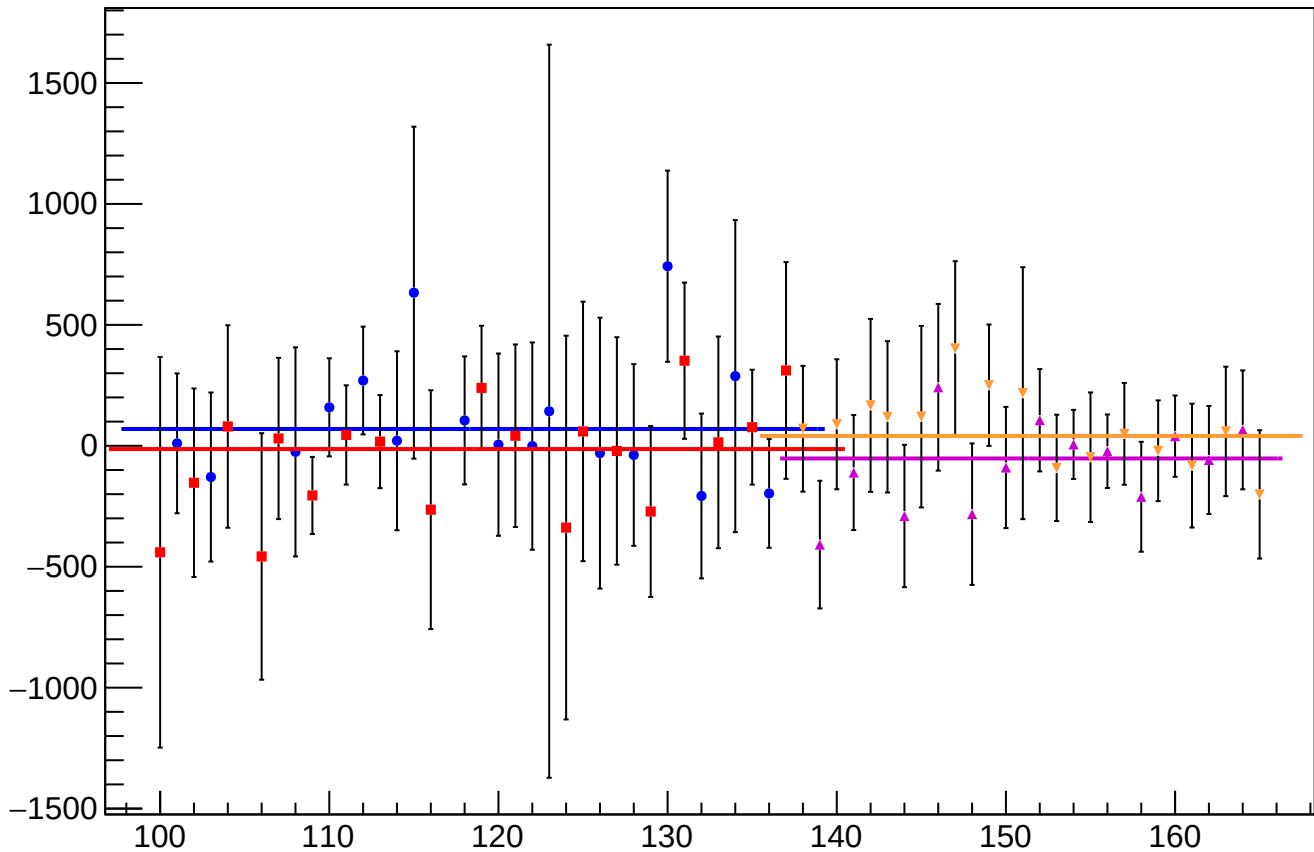
Left In: 16.706 $\pm$ 0.004 χ^2/NDF : 32369.2/12

+ sign 17.194 $\pm$ 0.003 χ^2/NDF : 94984.3/31

All: 17.184 $\pm$ 0.002 χ^2/NDF : 196069.3/63

- sign 17.174 $\pm$ 0.003 χ^2/NDF : 101060.2/31

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: 40.799 $\pm$ 69.892 χ^2 /NDF: 3.7/14

Right Out: -13.410 $\pm$ 71.041 χ^2 /NDF: 6.7/18

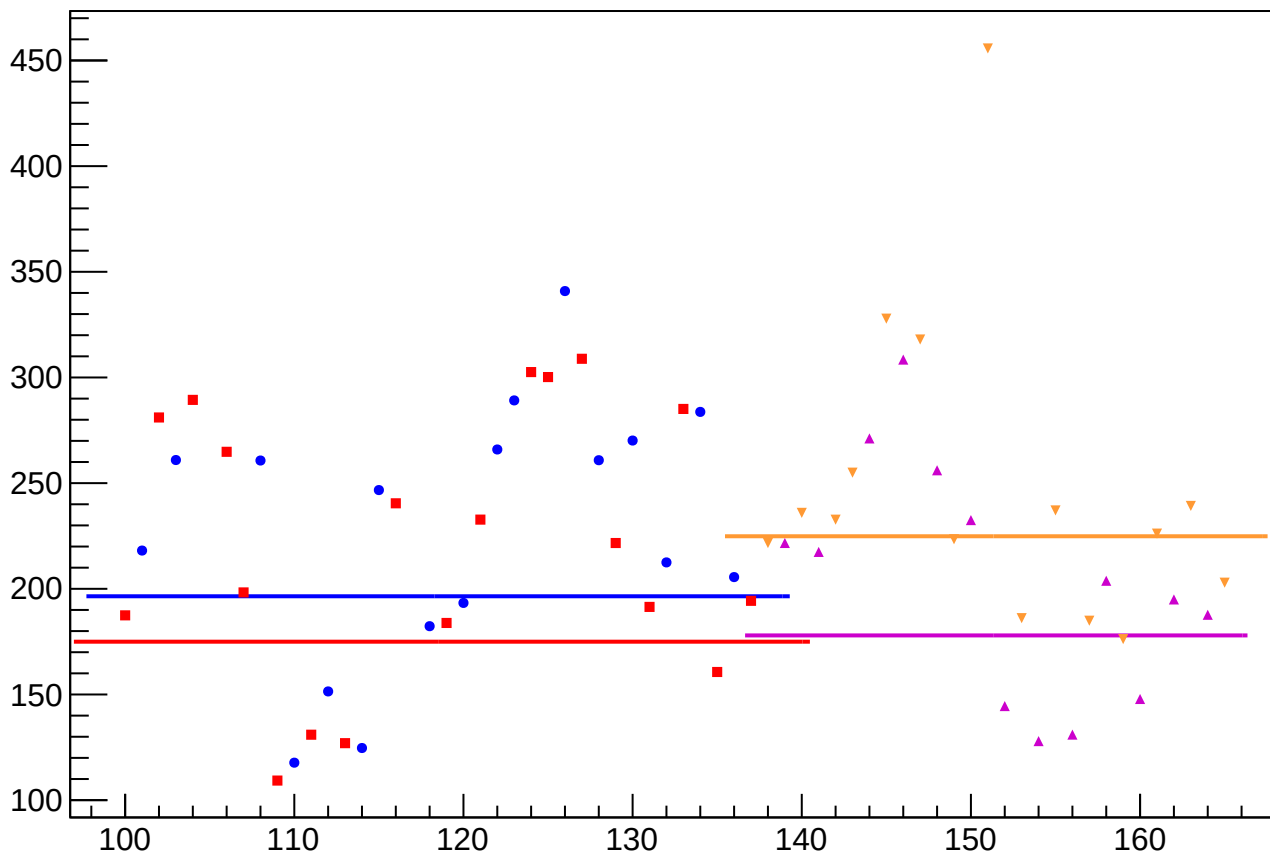
Left In: -52.359 $\pm$ 59.175 χ^2 /NDF: 5.7/12

+ sign 53.131 $\pm$ 52.790 χ^2 /NDF: 11.2/31

All: 1.727 $\pm$ 34.451 χ^2 /NDF: 25.4/63

- sign -36.405 $\pm$ 45.468 χ^2 /NDF: 12.6/31

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: 224.865 $\pm$ 0.049 χ^2 /NDF: 966732.0/14

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

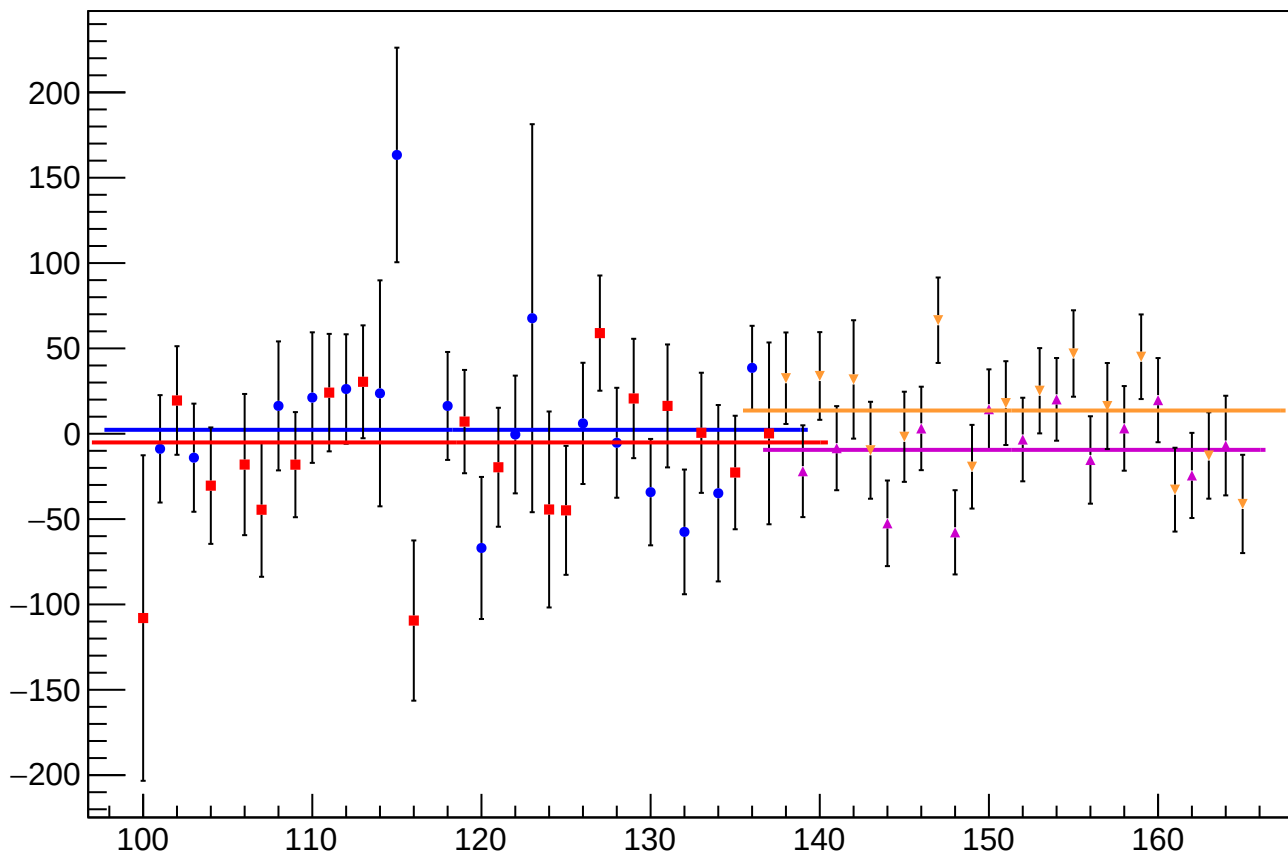
Left In: 177.948 $\pm$ 0.042 χ^2 /NDF: 1425921.8/12

+ sign 212.669 $\pm$ 0.037 χ^2 /NDF: 2072796.1/31

All: 192.038 $\pm$ 0.024 χ^2 /NDF: 5543972.2/63

- sign 176.733 $\pm$ 0.032 χ^2 /NDF: 2939084.2/31

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: 13.614 ± 6.723 $\chi^2/\text{NDF}: 20.6/14$

Right Out: -5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

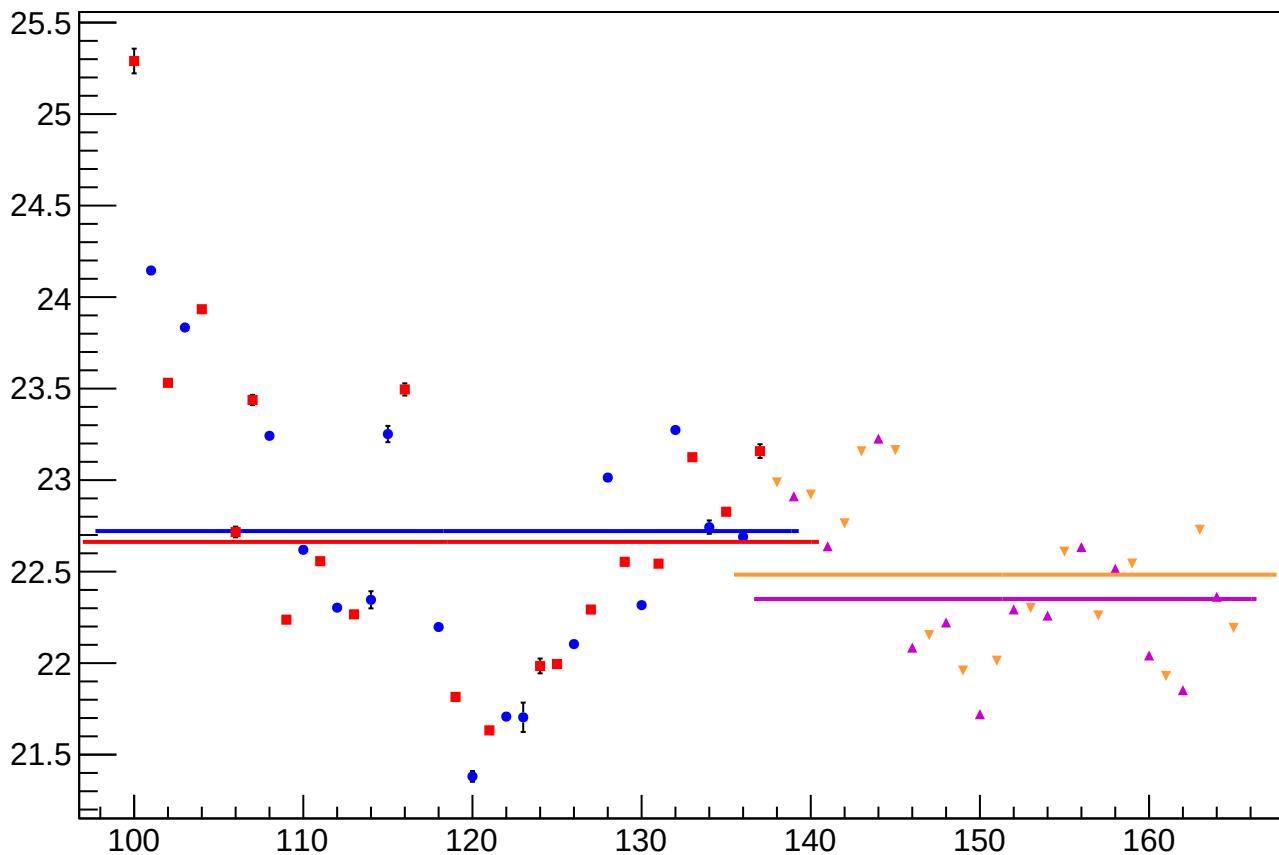
Left In: -9.437 ± 6.947 $\chi^2/\text{NDF}: 11.9/12$

+ sign 9.449 ± 5.344 $\chi^2/\text{NDF}: 39.7/31$

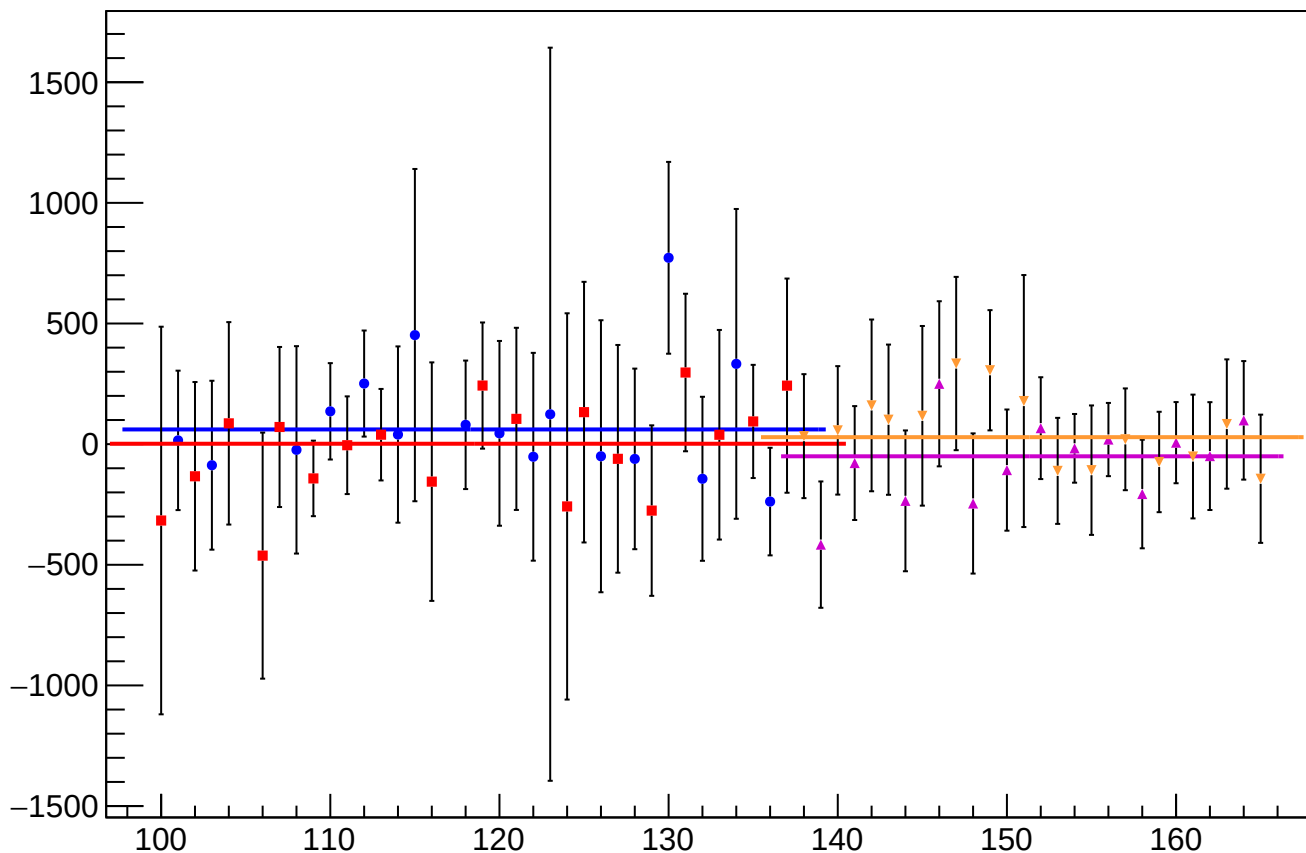
All: 0.928 ± 3.789 $\chi^2/\text{NDF}: 74.0/63$

- sign -7.691 ± 5.374 $\chi^2/\text{NDF}: 29.2/31$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 28.911 $\pm$ 69.725 χ^2 /NDF: 3.8/14

Right Out: 1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

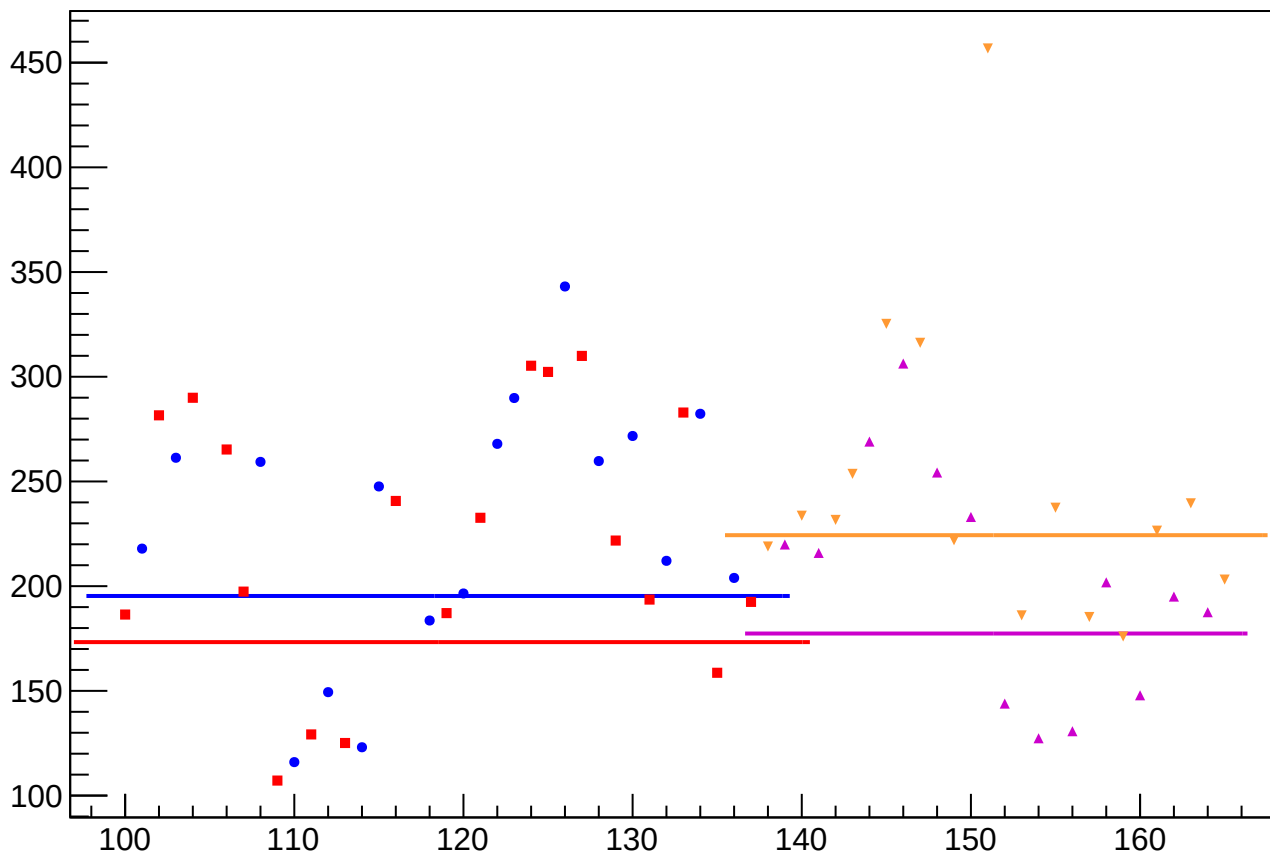
Left In: -50.397 $\pm$ 58.984 χ^2 /NDF: 5.2/12

+ sign 42.708 $\pm$ 52.619 χ^2 /NDF: 11.1/31

All: 1.495 $\pm$ 34.309 χ^2 /NDF: 22.8/63

- sign -28.985 $\pm$ 45.252 χ^2 /NDF: 10.7/31

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: 224.347 $\pm$ 0.049 χ^2 /NDF: 957623.3/14

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

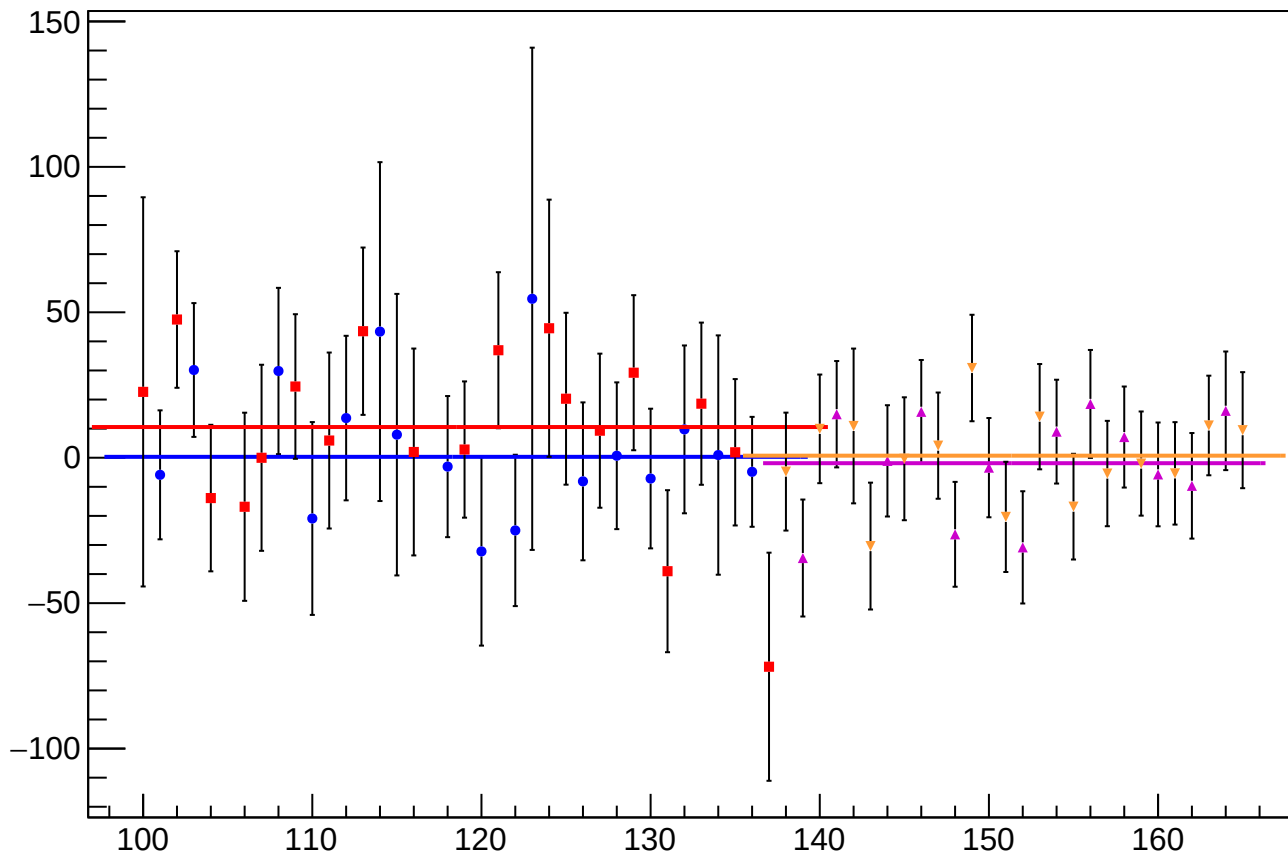
Left In: 177.388 $\pm$ 0.042 χ^2 /NDF: 1412591.2/12

+ sign 211.849 $\pm$ 0.037 χ^2 /NDF: 2111096.8/31

All: 191.069 $\pm$ 0.024 χ^2 /NDF: 5648687.5/63

- sign 175.700 $\pm$ 0.032 χ^2 /NDF: 2994954.6/31

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: 0.706 ± 4.925 χ^2/NDF : 8.8/14

Right Out: 10.553 ± 6.628 χ^2/NDF : 16.0/18

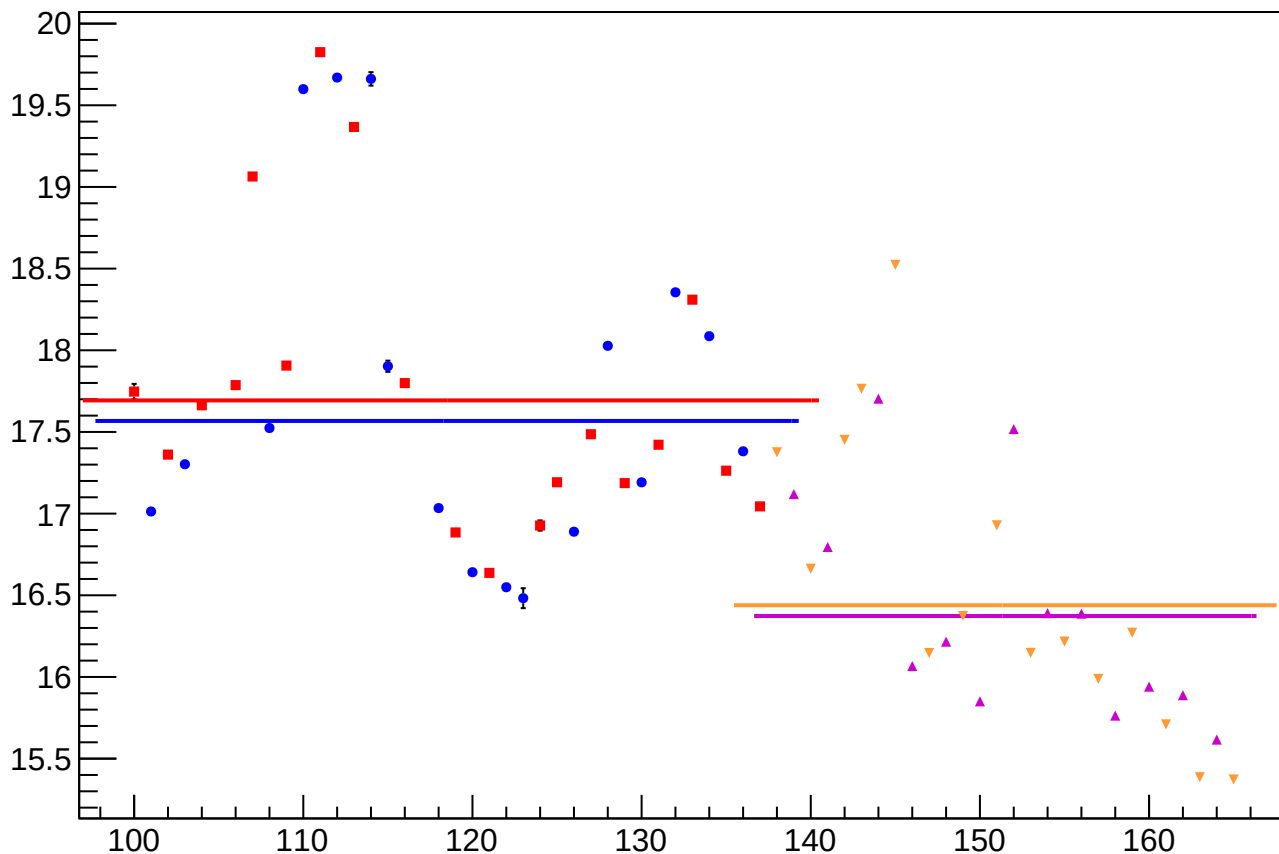
Left In: -1.881 ± 5.097 χ^2/NDF : 11.4/12

+ sign 0.569 ± 3.991 χ^2/NDF : 15.6/31

All: 1.641 ± 2.840 χ^2/NDF : 45.4/63

- sign 2.740 ± 4.041 χ^2/NDF : 29.7/31

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 ± 0.005 $\chi^2/\text{NDF}: 33145.0/16$

Left Out: 16.439 ± 0.003 $\chi^2/\text{NDF}: 55098.7/14$

Right Out: 17.693 ± 0.005 $\chi^2/\text{NDF}: 30767.1/18$

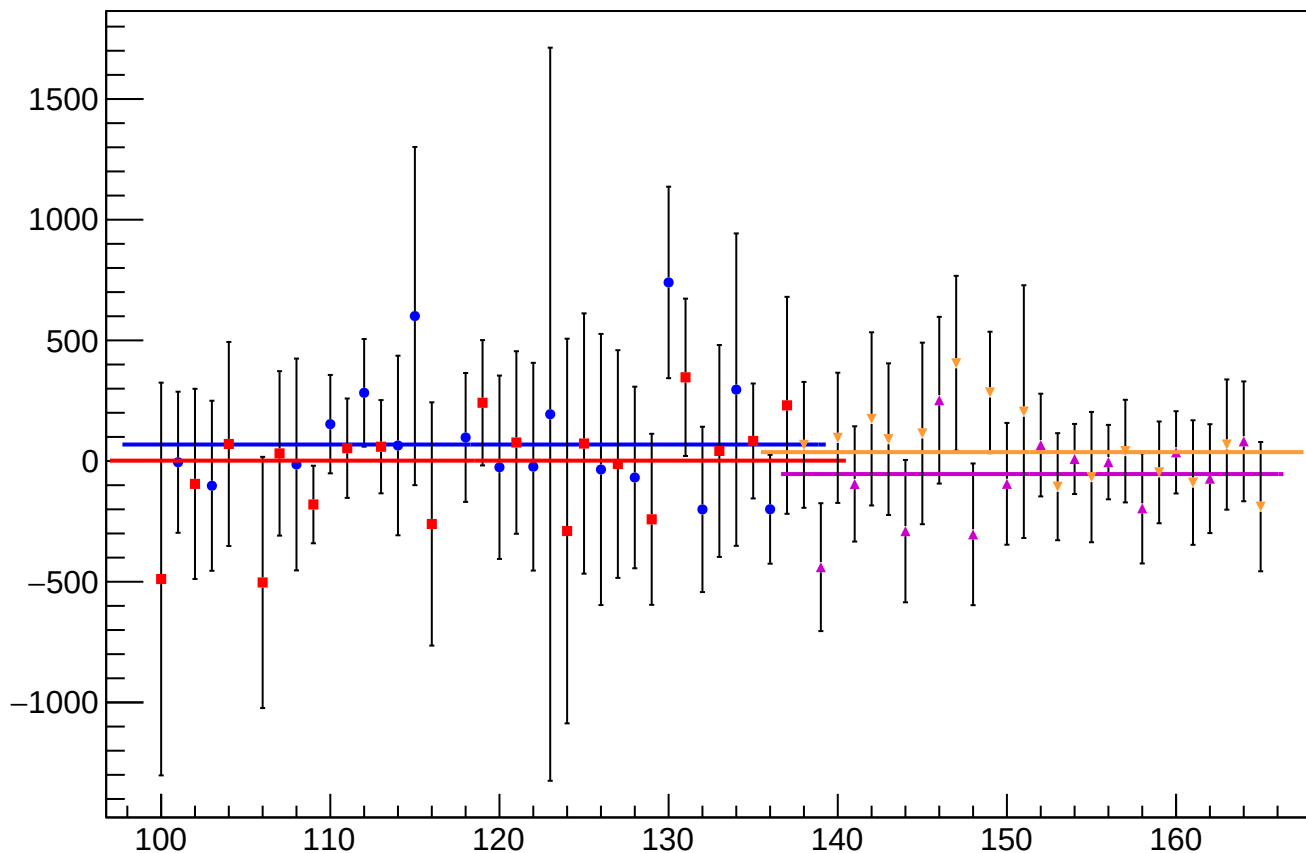
Left In: 16.373 ± 0.004 $\chi^2/\text{NDF}: 30979.0/12$

+ sign 16.826 ± 0.003 $\chi^2/\text{NDF}: 124267.7/31$

All: 16.845 ± 0.002 $\chi^2/\text{NDF}: 235941.6/63$

- sign 16.864 ± 0.003 $\chi^2/\text{NDF}: 111587.5/31$

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: 37.075 $\pm$ 70.385 χ^2 /NDF: 4.1/14

Right Out: 1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

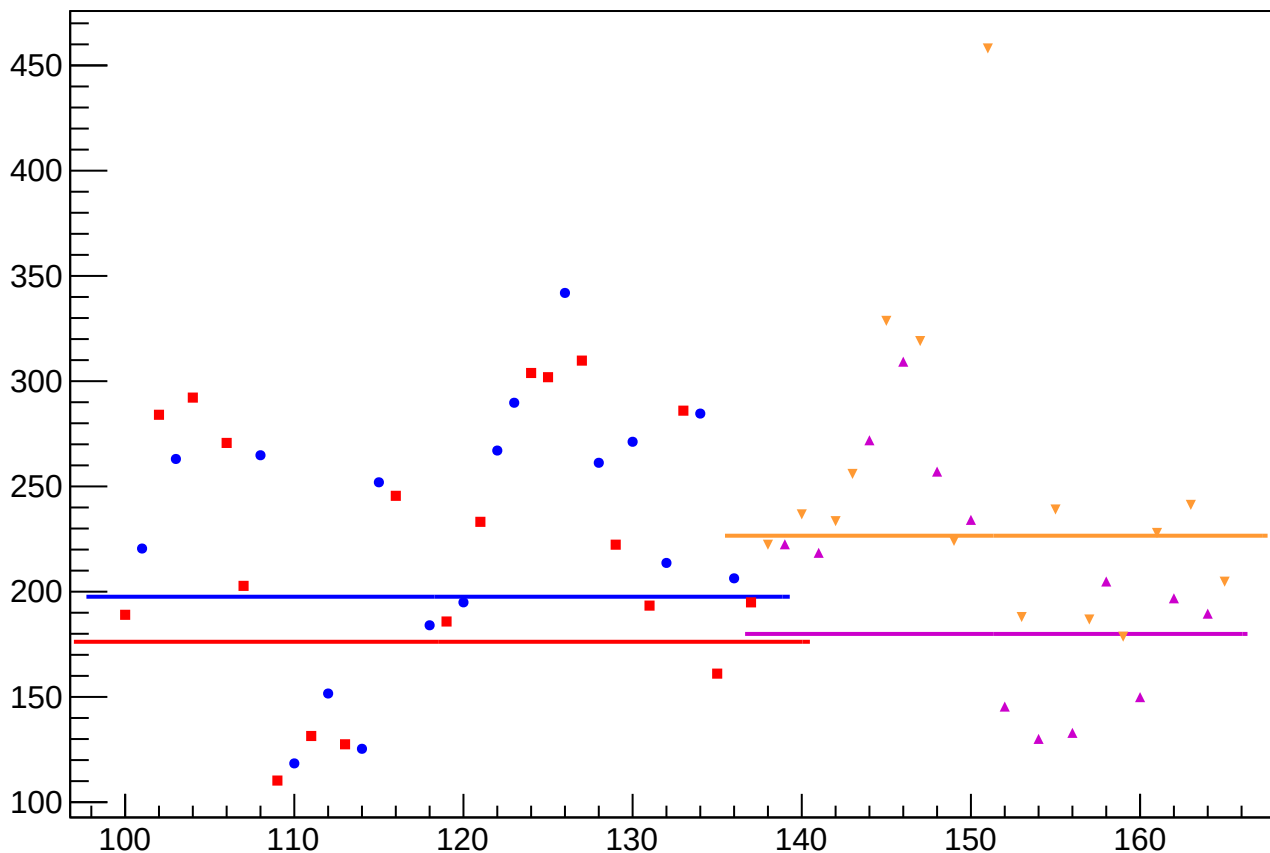
Left In: -53.825 $\pm$ 59.757 χ^2 /NDF: 5.9/12

+ sign 50.614 $\pm$ 53.134 χ^2 /NDF: 11.5/31

All: 3.872 $\pm$ 34.718 χ^2 /NDF: 25.2/63

- sign -30.951 $\pm$ 45.862 χ^2 /NDF: 12.4/31

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: 226.590 $\pm$ 0.050 χ^2 /NDF: 948013.6/14

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

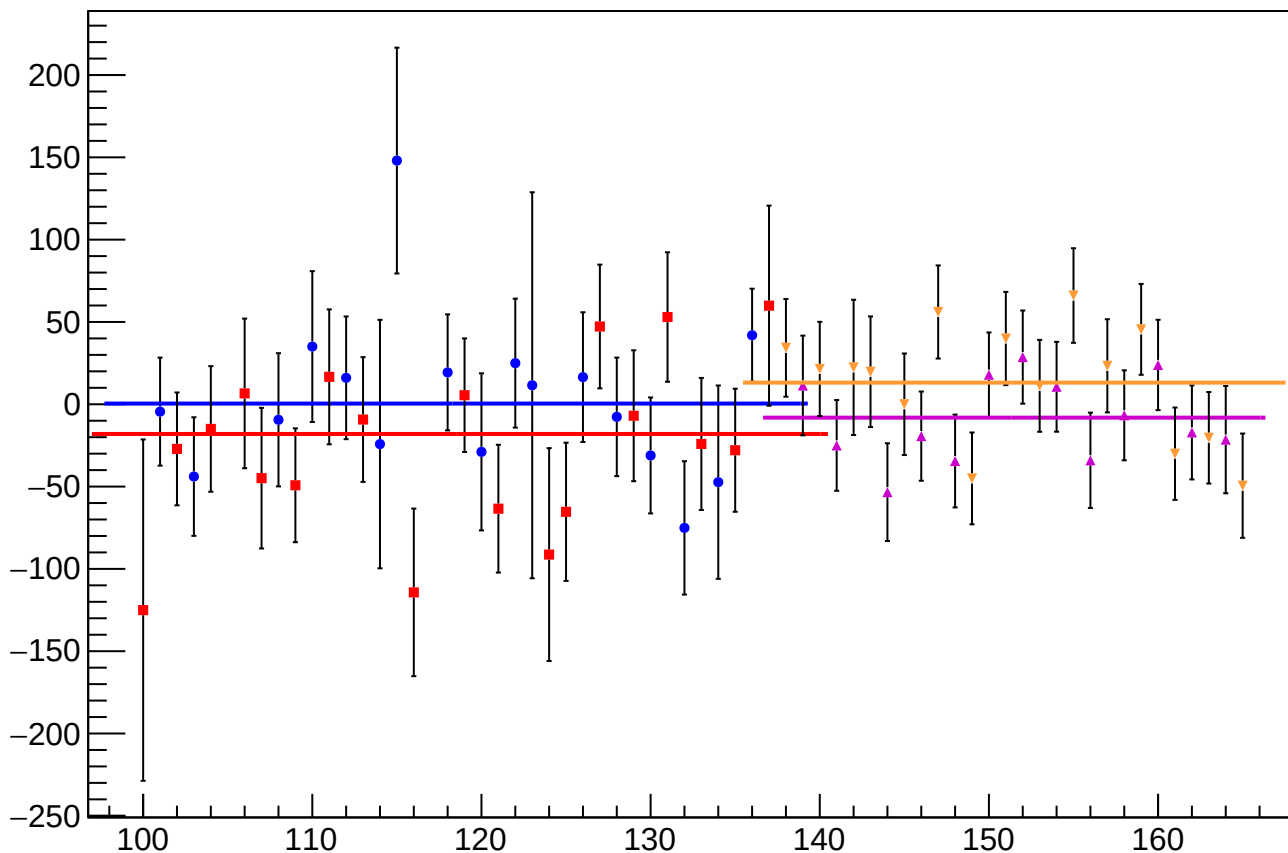
Left In: 179.933 $\pm$ 0.042 χ^2 /NDF: 1383356.1/12

+ sign 214.123 $\pm$ 0.038 χ^2 /NDF: 2062740.0/31

All: 193.651 $\pm$ 0.025 χ^2 /NDF: 5487214.6/63

- sign 178.399 $\pm$ 0.032 χ^2 /NDF: 2906393.8/31

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 $\pm$ 9.884 χ^2/NDF : 15.5/16

Left Out: 13.152 $\pm$ 7.605 χ^2/NDF :21.0/14

Right Out: -18.044 $\pm$ 9.499 χ^2/NDF : 19.5/18

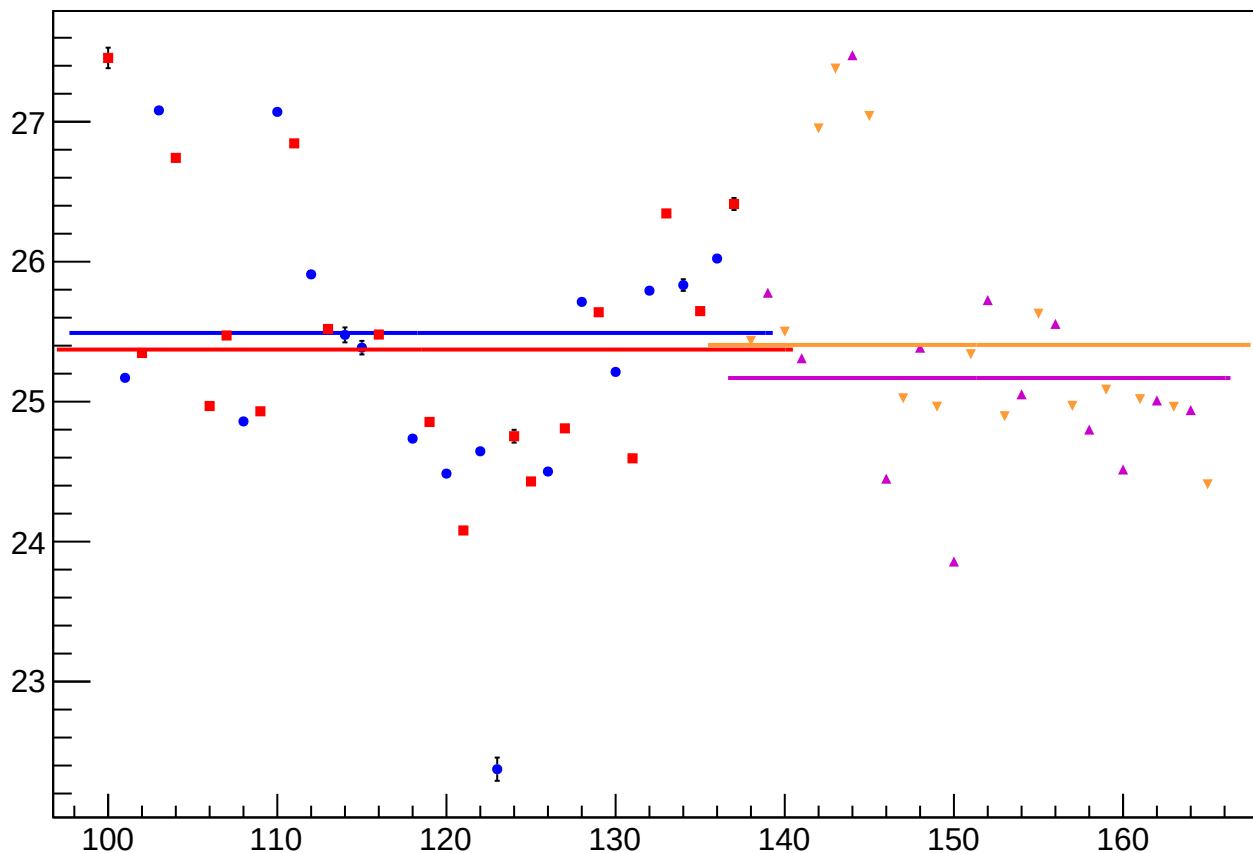
Left In: -8.128 $\pm$ 7.833 χ^2/NDF :9.8/12

+ sign 8.420 $\pm$ 6.028 χ^2/NDF : 37.5/31

All: -1.834 $\pm$ 4.268 χ^2/NDF : 73.2/63

- sign -12.142 $\pm$ 6.043 χ^2/NDF : 29.9/31

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.405 $\pm$ 0.005 χ^2 /NDF: 20656.4/14

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

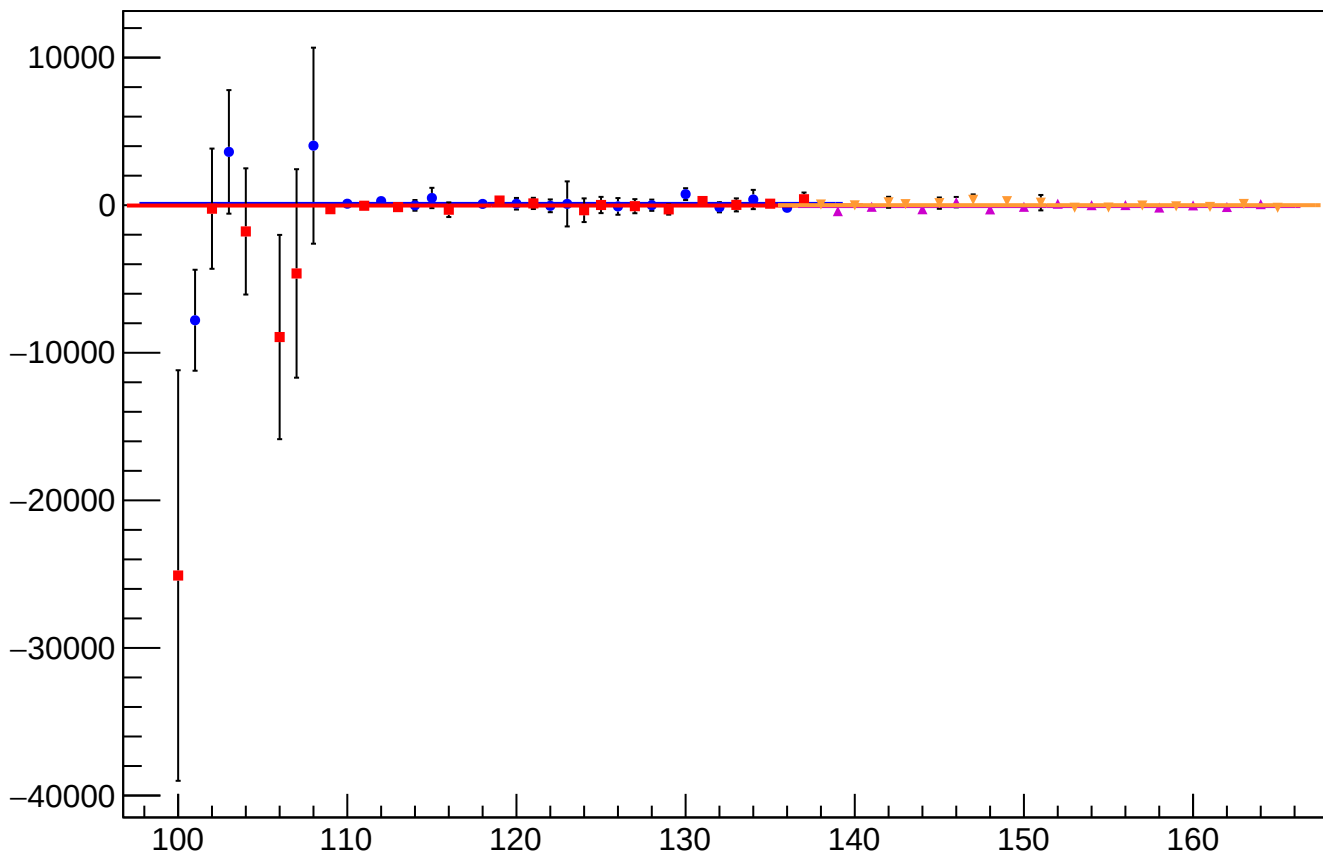
Left In: 25.169 $\pm$ 0.006 χ^2 /NDF: 22501.3/12

+ sign 25.437 $\pm$ 0.004 χ^2 /NDF: 34463.7/31

All: 25.344 $\pm$ 0.003 χ^2 /NDF: 72011.5/63

- sign 25.251 $\pm$ 0.004 χ^2 /NDF: 36598.0/31

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558 $\pm$ 88.423 χ^2 /NDF: 12.5/16

Left Out: 0.470 $\pm$ 71.092 χ^2 /NDF: 4.5/14

Right Out: -23.352 $\pm$ 80.948 χ^2 /NDF: 11.9/18

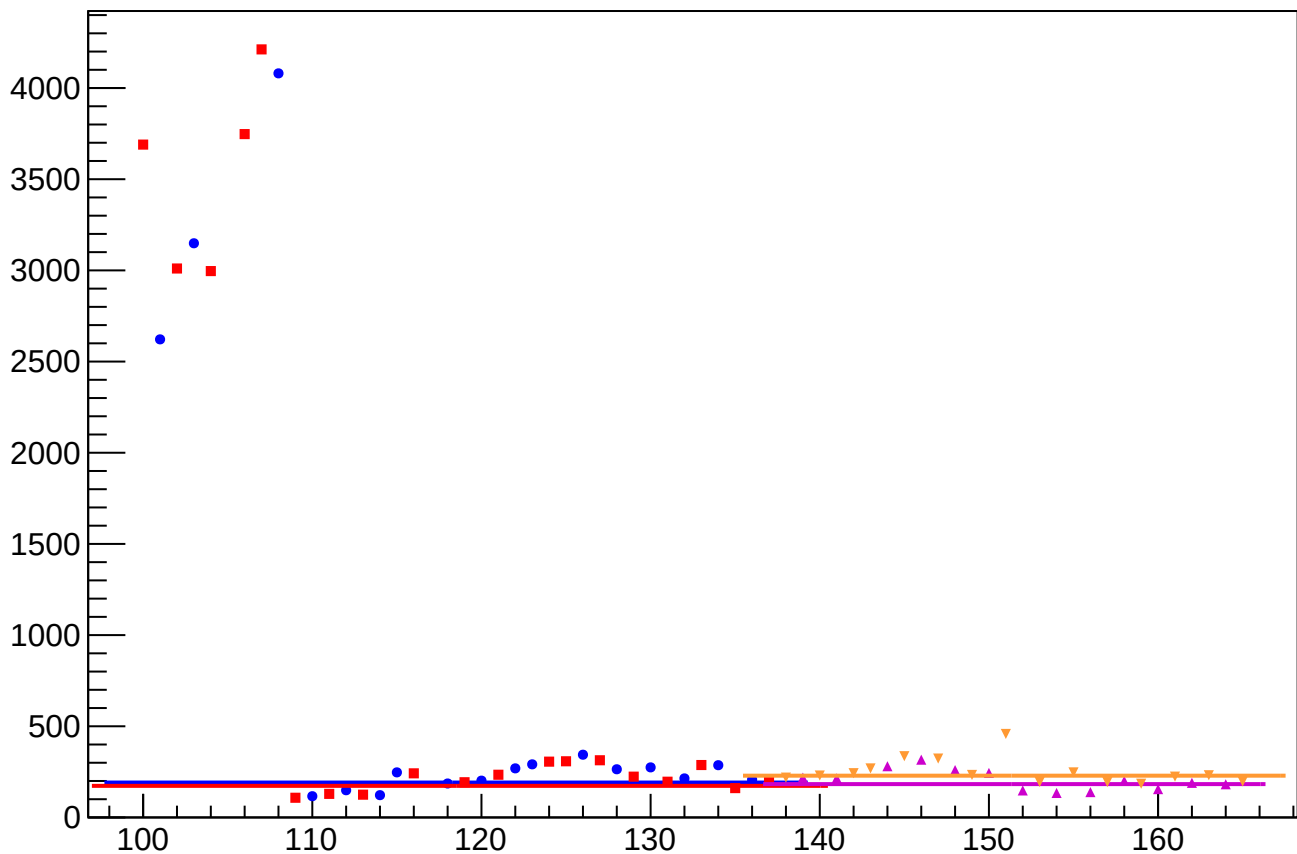
Left In: -59.876 $\pm$ 60.549 χ^2 /NDF: 5.0/12

+ sign 34.269 $\pm$ 55.405 χ^2 /NDF: 17.5/31

All: -11.625 $\pm$ 36.487 χ^2 /NDF: 35.8/63

- sign -46.772 $\pm$ 48.486 χ^2 /NDF: 17.0/31

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: 229.120+/-0.050 χ^2/NDF : 927247.0/14

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

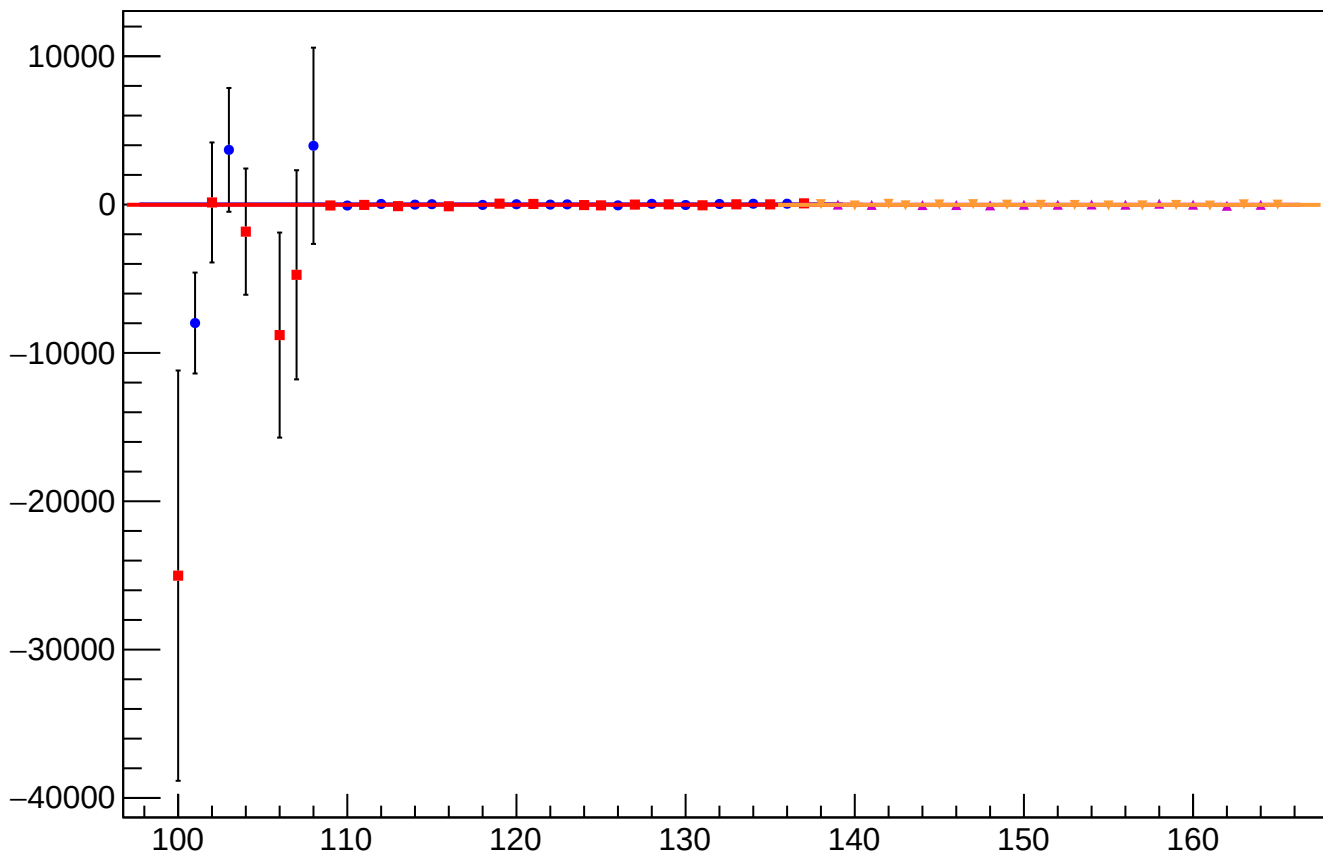
Left In: 182.884+/-0.043 χ^2/NDF : 1283722.5/12

+ sign 214.341+/-0.039 χ^2/NDF : 4720540.1/31

All: 194.579+/-0.026 χ^2/NDF : 10678984.5/63

- sign 179.444+/-0.034 χ^2/NDF : 5509131.9/31

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -19.651+/-8.777 χ^2/NDF : 15.9/14

Right Out: -12.668+/-12.232 χ^2/NDF : 24.8/18

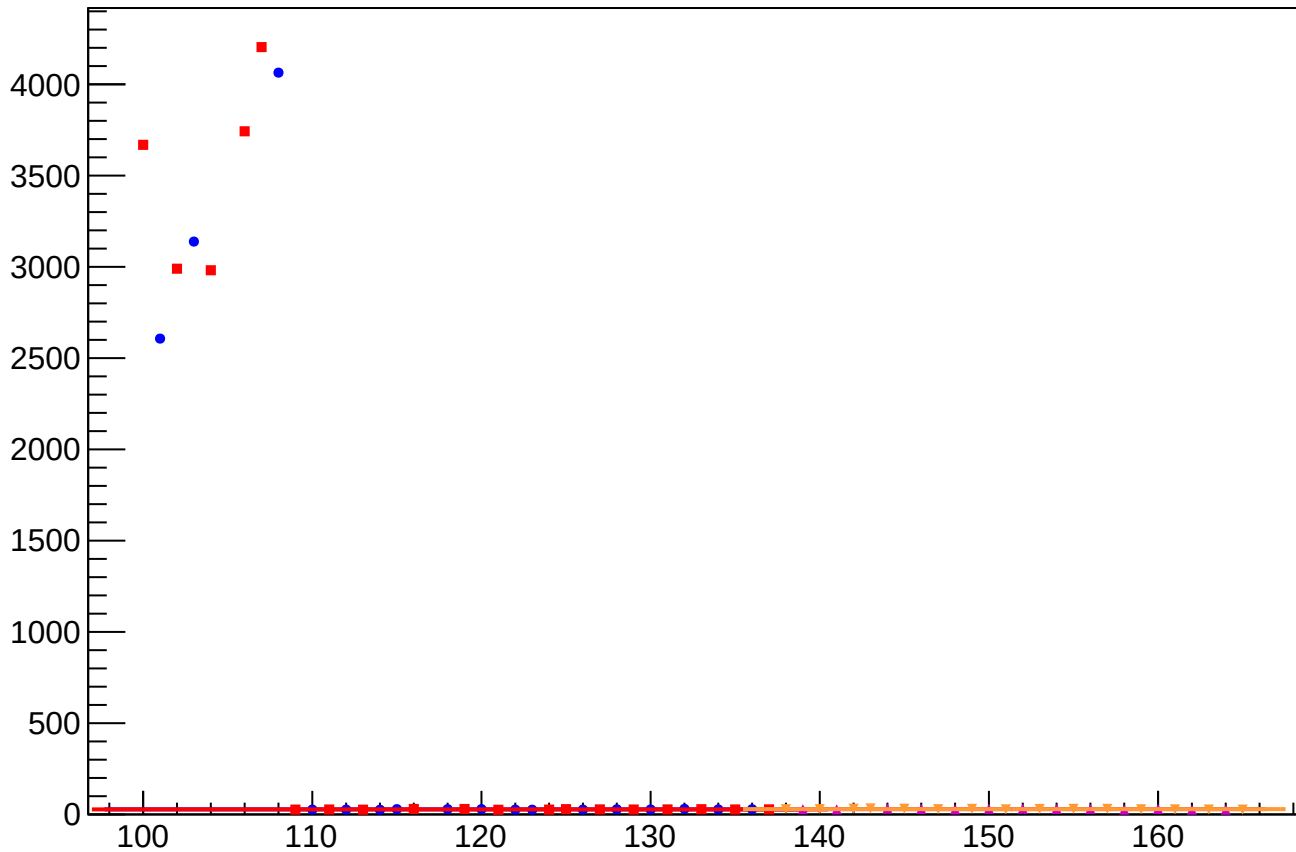
Left In: -13.560+/-9.111 χ^2/NDF : 13.7/12

+ sign -9.531+/-7.141 χ^2/NDF : 38.2/31

All: -11.344+/-5.107 χ^2/NDF : 76.9/63

- sign -13.242+/-7.307 χ^2/NDF : 38.5/31

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: 29.263+/-0.006 χ^2/NDF : 72871.6/14

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

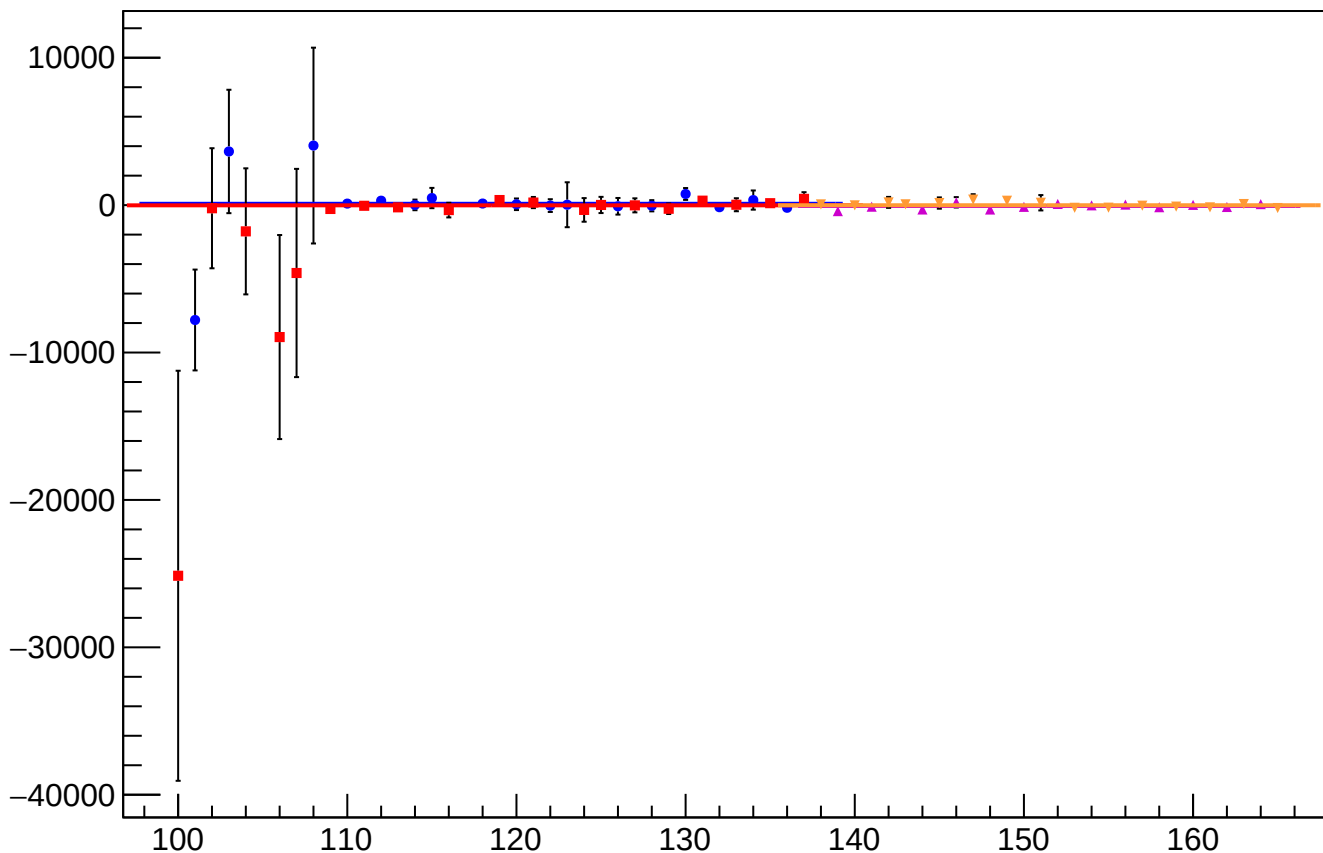
Left In: 29.190+/-0.006 χ^2/NDF : 93652.2/12

+ sign 28.787+/-0.005 χ^2/NDF : 3117942.7/31

All: 28.723+/-0.004 χ^2/NDF : 6708000.4/63

- sign 28.657+/-0.005 χ^2/NDF : 3589732.6/31

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: -8.376+/-70.937 χ^2/NDF : 5.2/14

Right Out: -13.341+/-80.686 χ^2/NDF : 12.7/18

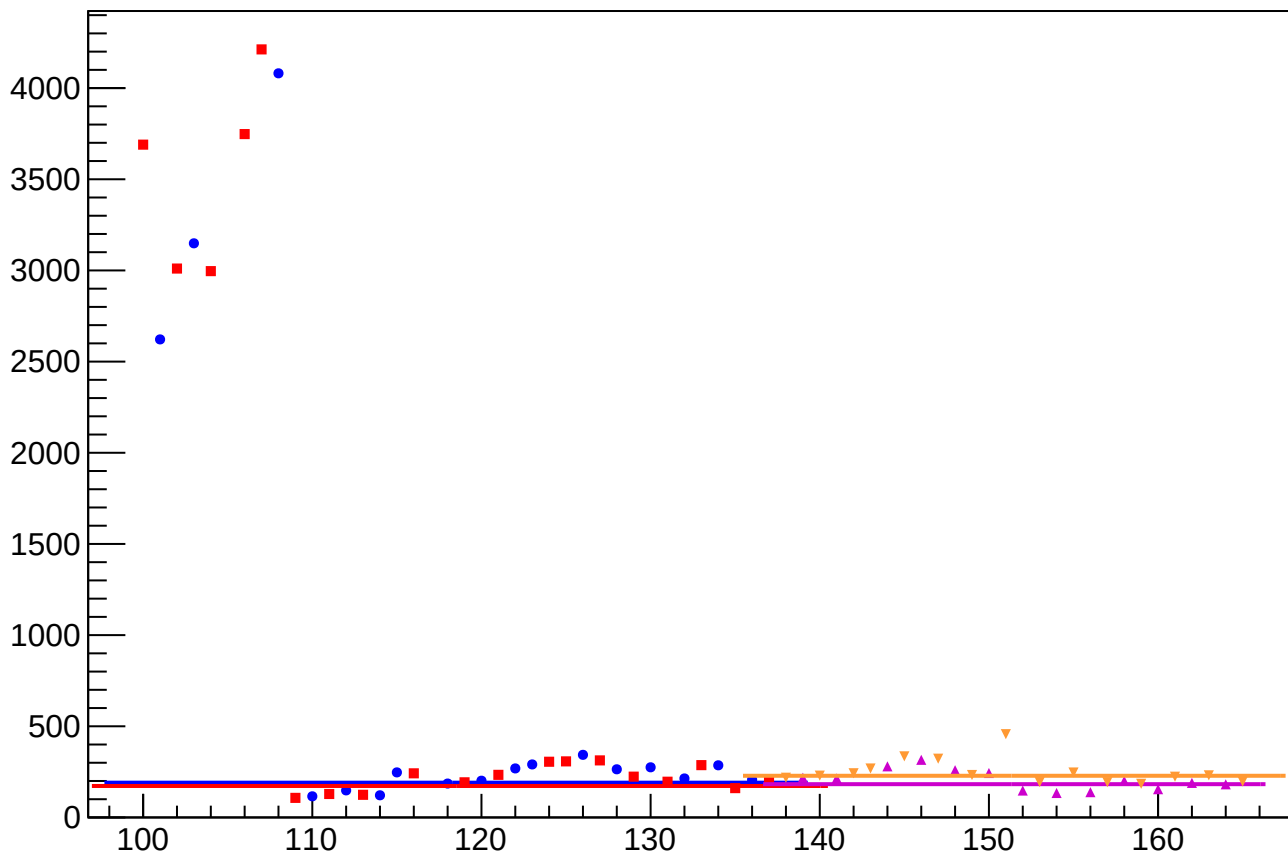
Left In: -58.008+/-60.433 χ^2/NDF : 5.2/12

+ sign 30.596+/-55.265 χ^2/NDF : 18.7/31

All: -10.485+/-36.398 χ^2/NDF : 37.8/63

- sign -41.956+/-48.370 χ^2/NDF : 18.1/31

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: 228.627+/-0.050 χ^2/NDF : 927020.6/14

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

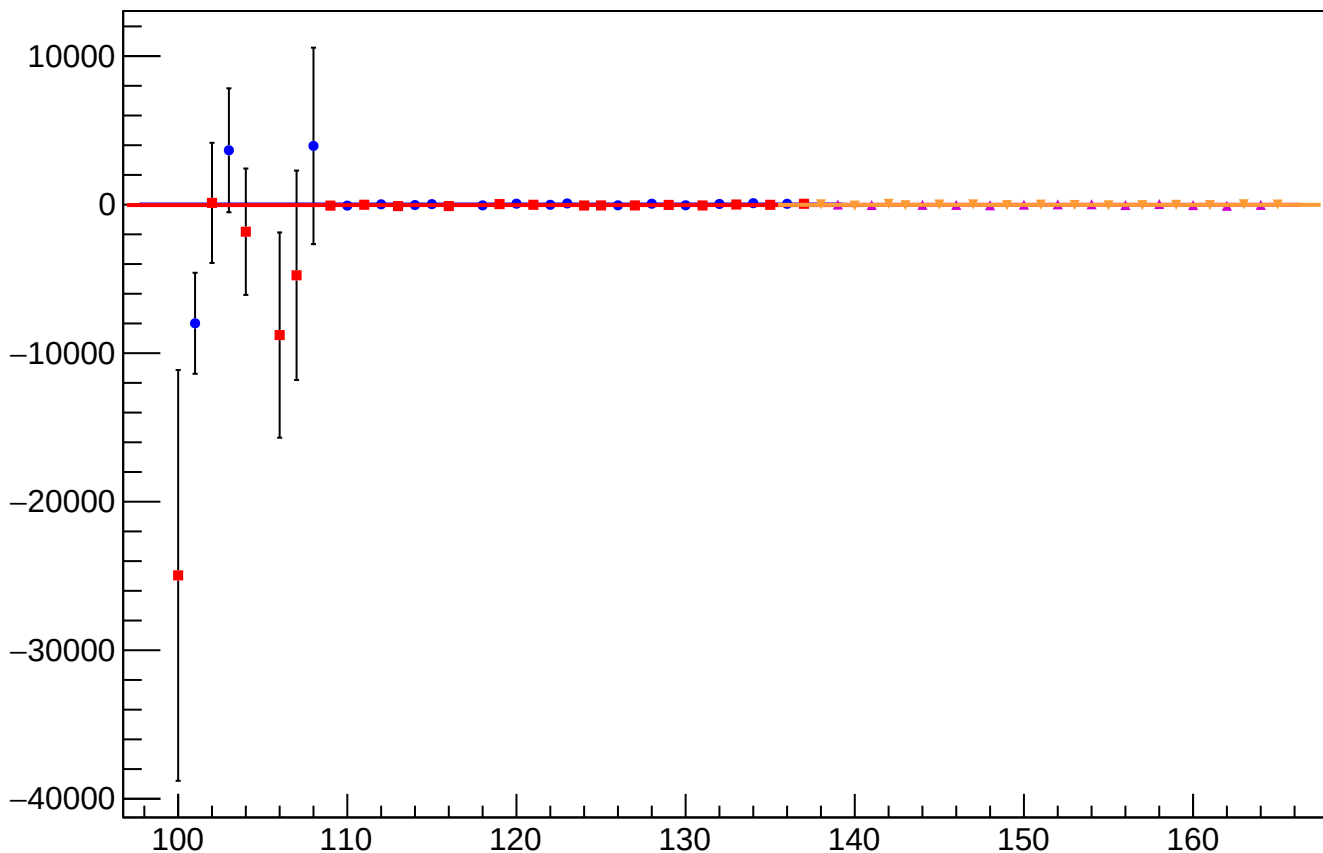
Left In: 182.535+/-0.043 χ^2/NDF : 1283957.3/12

+ sign 213.747+/-0.039 χ^2/NDF : 4735948.5/31

All: 194.058+/-0.026 χ^2/NDF : 10706147.7/63

- sign 178.975+/-0.034 χ^2/NDF : 5521894.5/31

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: -13.677 $\pm$ 8.852 χ^2 /NDF: 11.1/14

Right Out: -29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

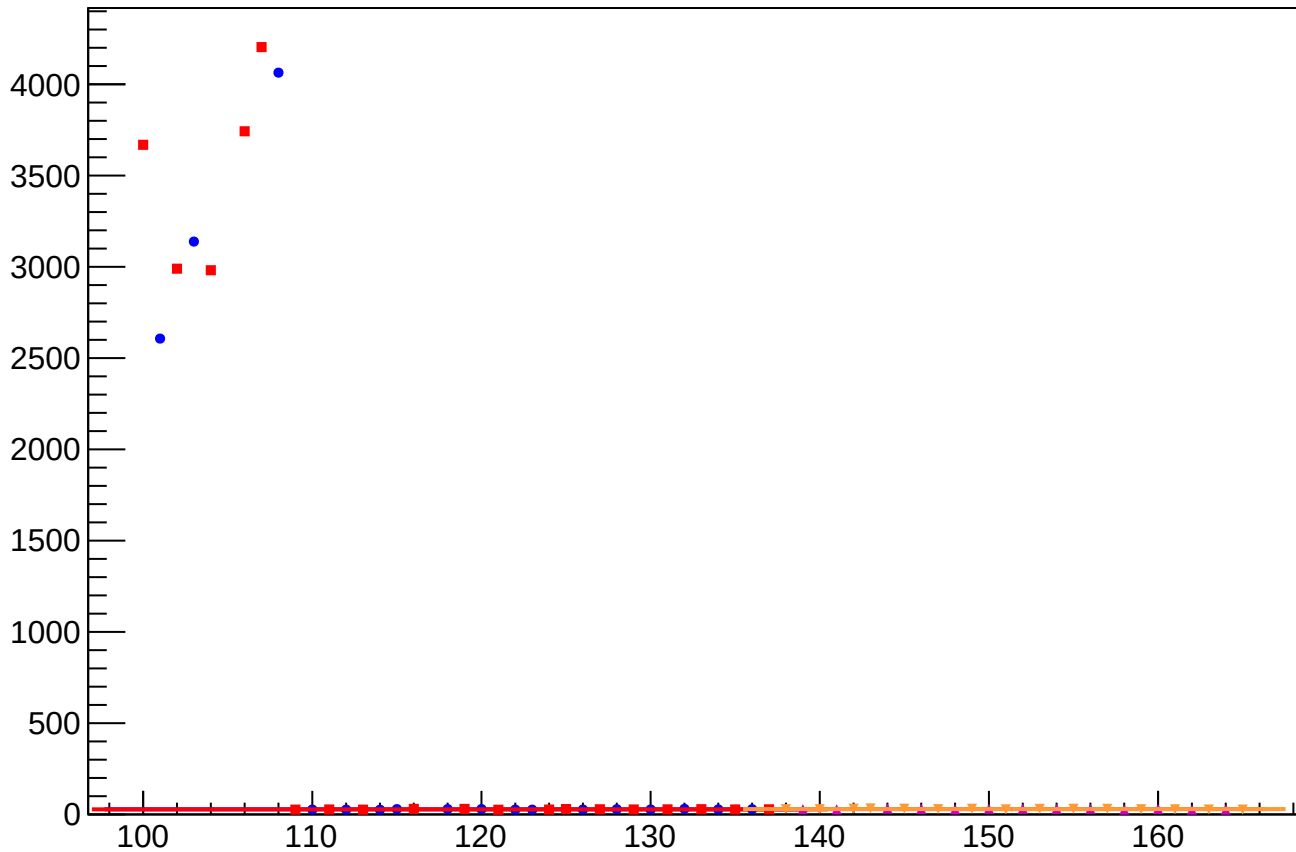
Left In: -11.310 $\pm$ 9.175 χ^2 /NDF: 12.6/12

+ sign -6.130 $\pm$ 7.198 χ^2 /NDF: 36.4/31

All: -11.812 $\pm$ 5.147 χ^2 /NDF: 68.5/63

- sign -17.753 $\pm$ 7.361 χ^2 /NDF: 30.8/31

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 29.512+/-0.006 χ^2/NDF : 72886.2/14

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

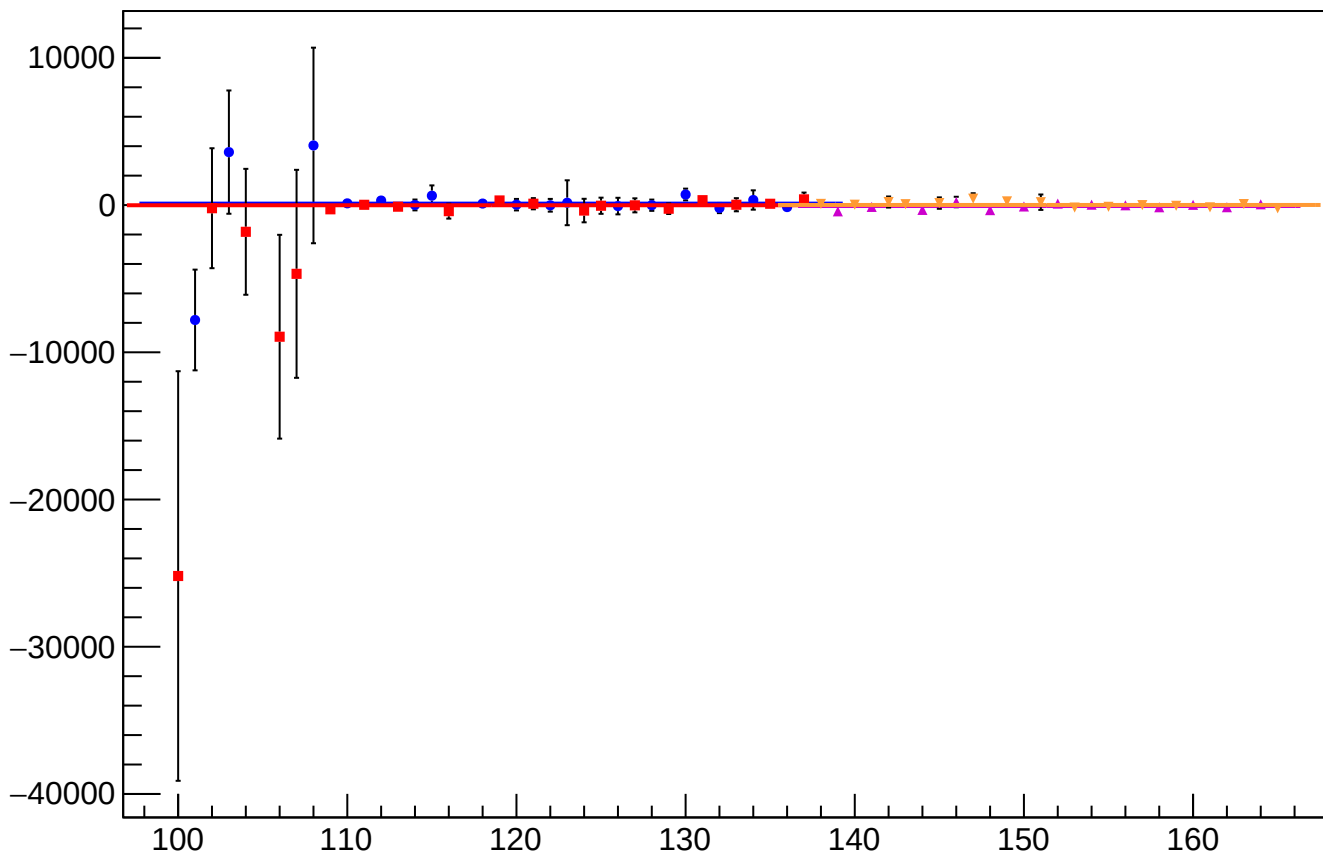
Left In: 29.400+/-0.006 χ^2/NDF : 91679.6/12

+ sign 29.015+/-0.005 χ^2/NDF : 3119421.9/31

All: 28.945+/-0.004 χ^2/NDF : 6709770.7/63

- sign 28.872+/-0.005 χ^2/NDF : 3589964.7/31

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: 7.775 $\pm$ 71.751 χ^2 /NDF: 4.9/14

Right Out: -11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

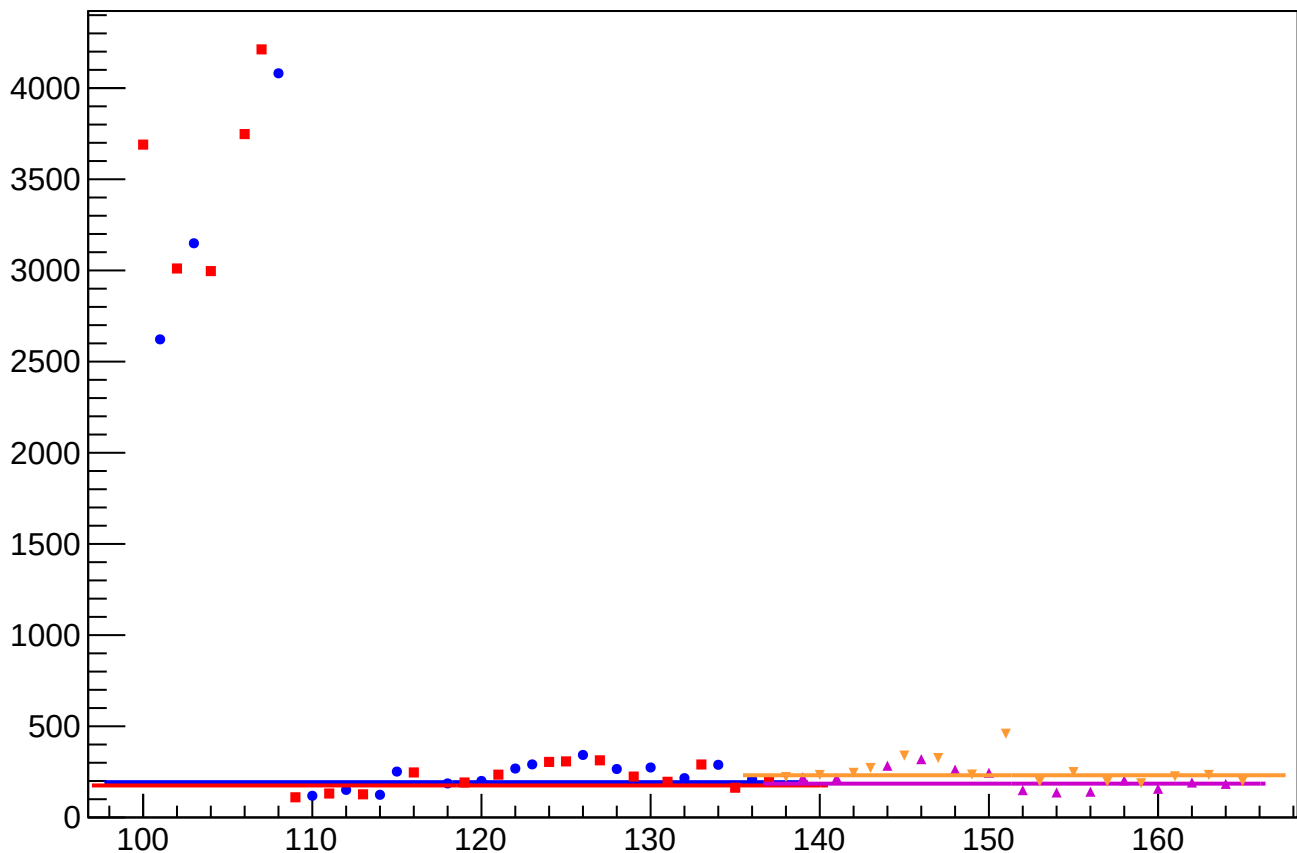
Left In: -63.796 $\pm$ 61.317 χ^2 /NDF: 5.9/12

+ sign 43.274 $\pm$ 55.909 χ^2 /NDF: 18.1/31

All: -6.633 $\pm$ 36.875 χ^2 /NDF: 37.9/63

- sign -45.056 $\pm$ 49.057 χ^2 /NDF: 18.4/31

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516 $\pm$ 0.063 χ^2 /NDF: 3536947.8/16

Left Out: 231.359 $\pm$ 0.051 χ^2 /NDF: 918458.3/14

Right Out: 175.509 $\pm$ 0.058 χ^2 /NDF: 4165575.9/18

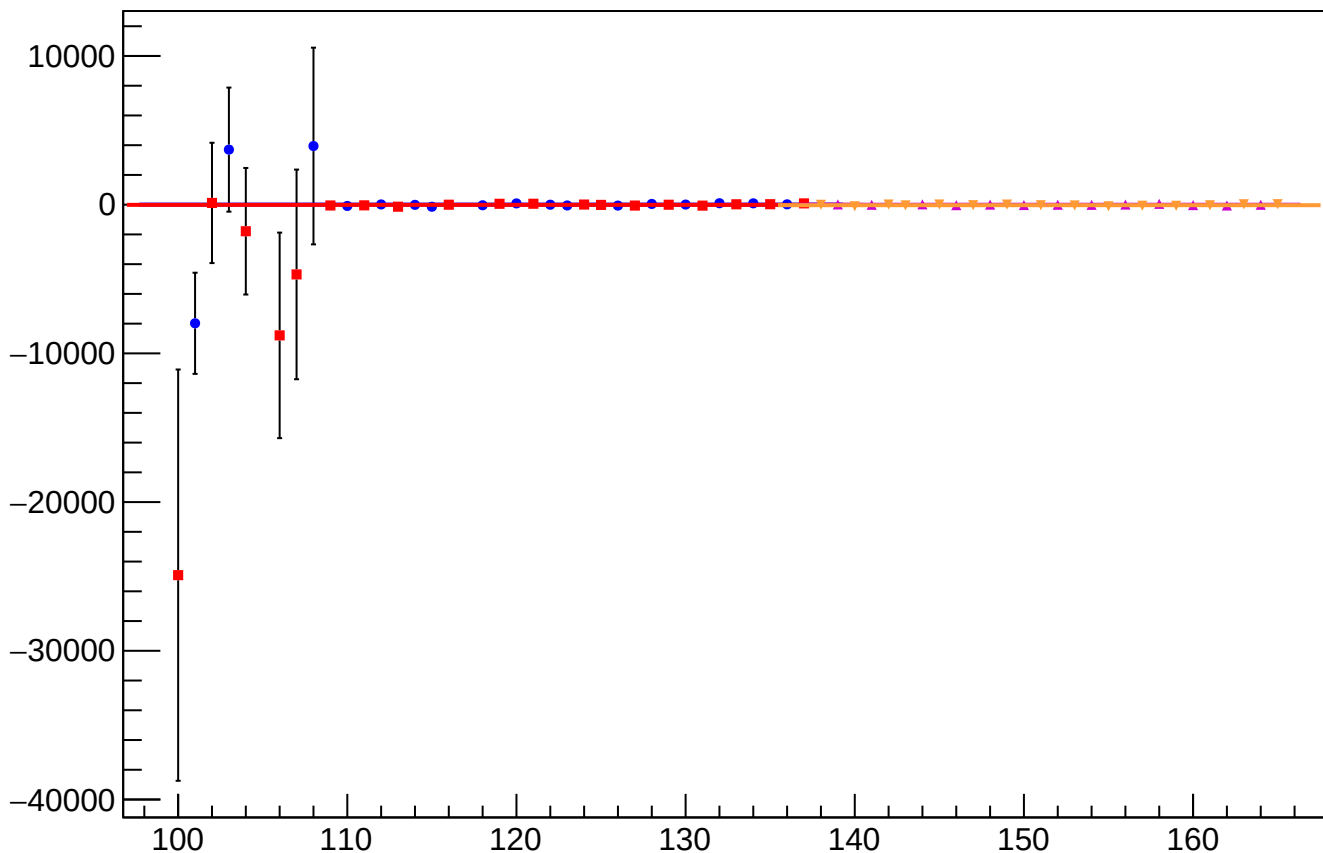
Left In: 185.410 $\pm$ 0.043 χ^2 /NDF: 1258368.4/12

+ sign 216.493 $\pm$ 0.040 χ^2 /NDF: 4673957.7/31

All: 196.918 $\pm$ 0.026 χ^2 /NDF: 10550617.4/63

- sign 181.847 $\pm$ 0.035 χ^2 /NDF: 5442710.7/31

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: -34.740 $\pm$ 10.451 χ^2 /NDF: 17.9/14

Right Out: -12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

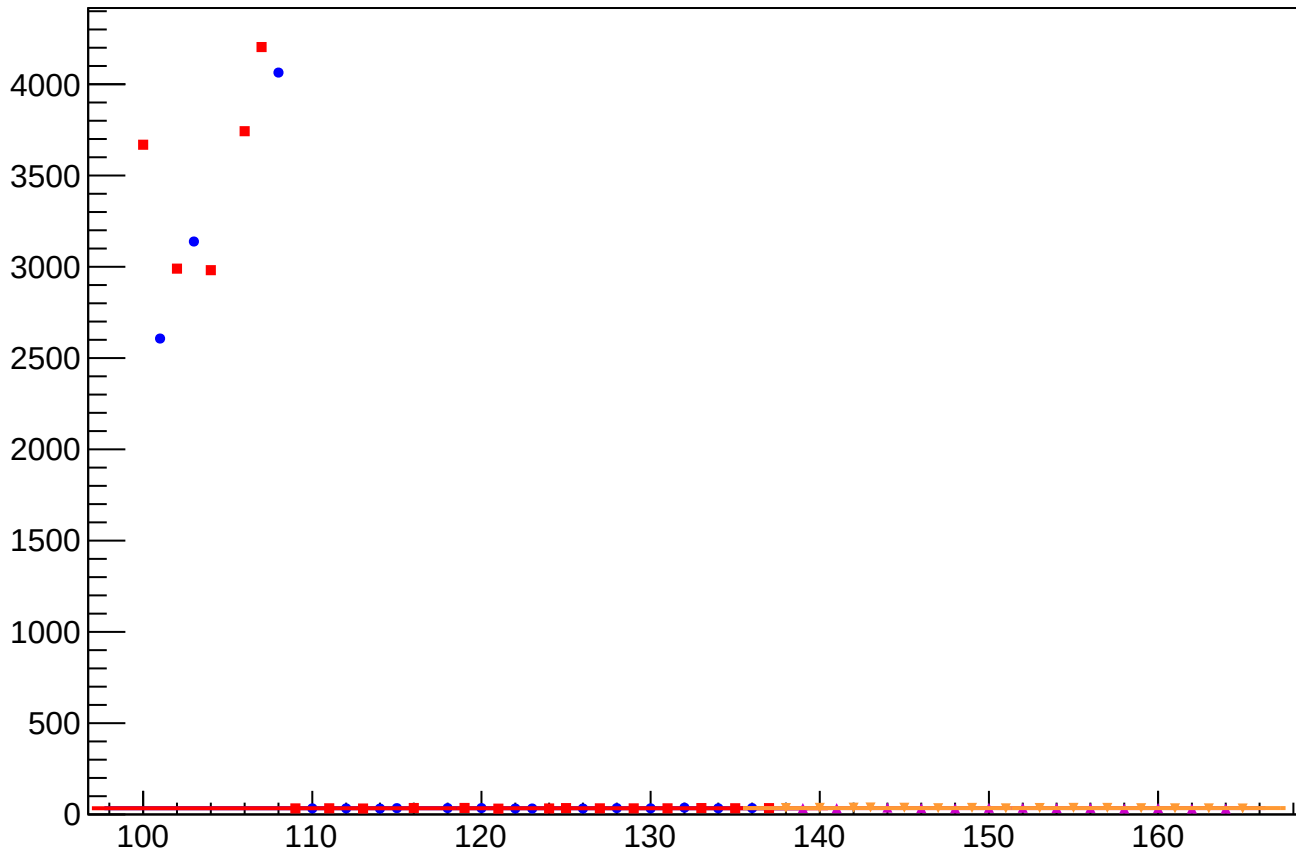
Left In: -3.865 $\pm$ 10.863 χ^2 /NDF: 6.9/12

+ sign -21.629 $\pm$ 8.585 χ^2 /NDF: 43.2/31

All: -14.354 $\pm$ 6.141 χ^2 /NDF: 73.7/63

- sign -6.730 $\pm$ 8.788 χ^2 /NDF: 29.1/31

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: 34.896 $\pm$ 0.007 χ^2 /NDF: 39460.7/14

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

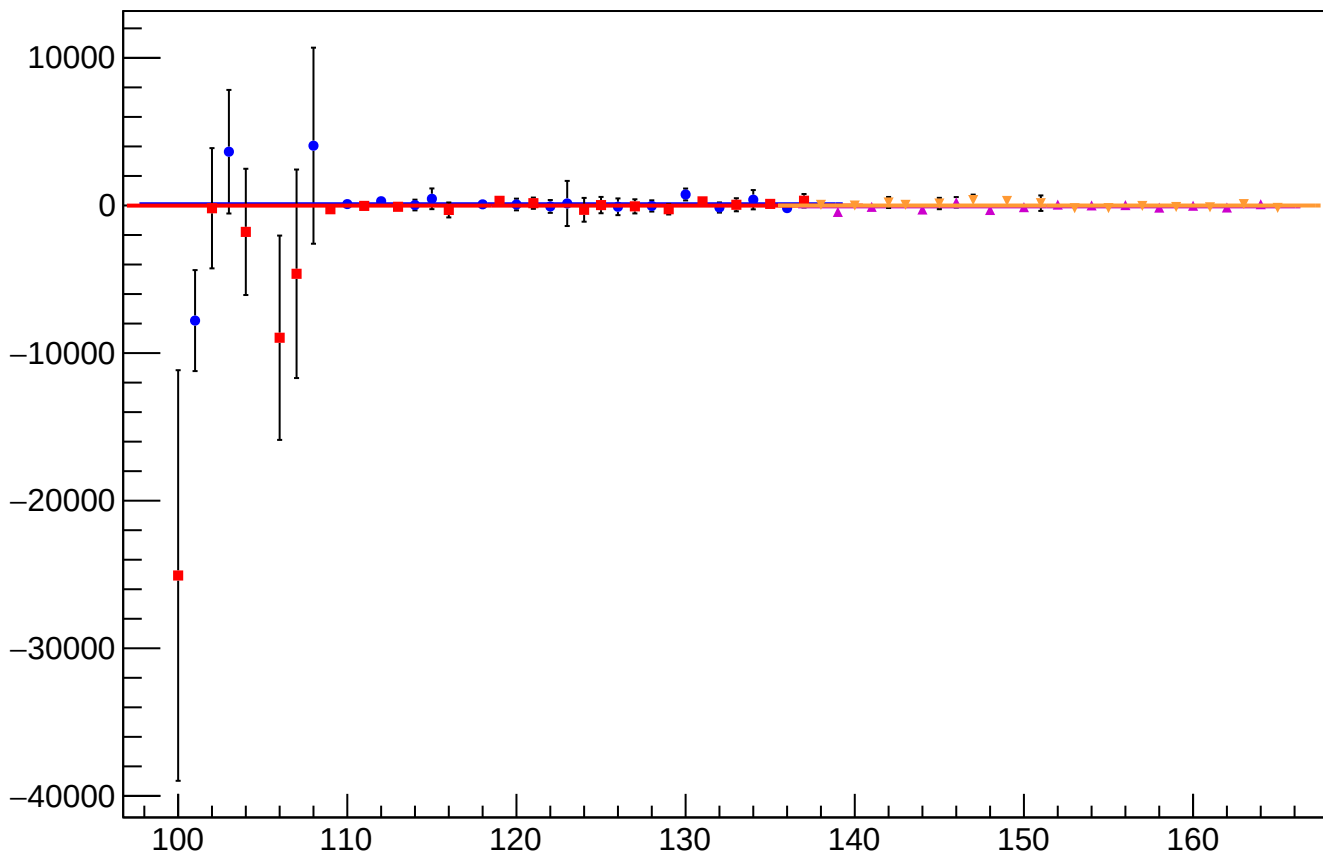
Left In: 34.876 $\pm$ 0.008 χ^2 /NDF: 43561.8/12

+ sign 34.659 $\pm$ 0.006 χ^2 /NDF: 3049138.3/31

All: 34.603 $\pm$ 0.004 χ^2 /NDF: 6550228.9/63

- sign 34.544 $\pm$ 0.006 χ^2 /NDF: 3500912.8/31

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504 $\pm$ 88.746 χ^2 /NDF: 12.5/16

Left Out: -2.733 $\pm$ 71.584 χ^2 /NDF: 5.0/14

Right Out: -8.565 $\pm$ 81.257 χ^2 /NDF: 11.1/18

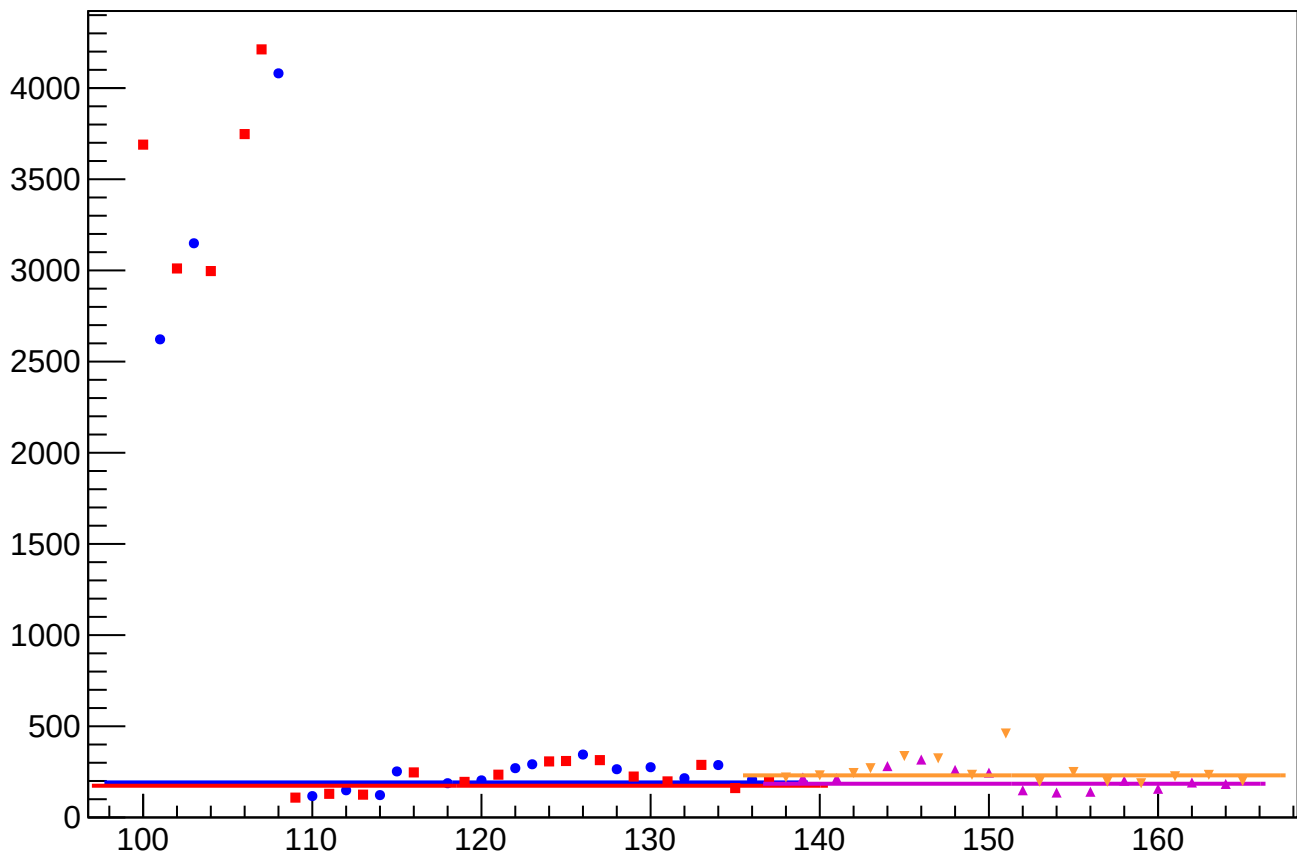
Left In: -61.592 $\pm$ 61.132 χ^2 /NDF: 5.3/12

+ sign 31.653 $\pm$ 55.717 χ^2 /NDF: 18.1/31

All: -10.230 $\pm$ 36.732 χ^2 /NDF: 35.8/63

- sign -42.426 $\pm$ 48.851 χ^2 /NDF: 16.7/31

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: 230.839 ± 0.051 χ^2/NDF : 910077.9/14

Right Out: 173.961 ± 0.057 χ^2/NDF : 4211616.2/18

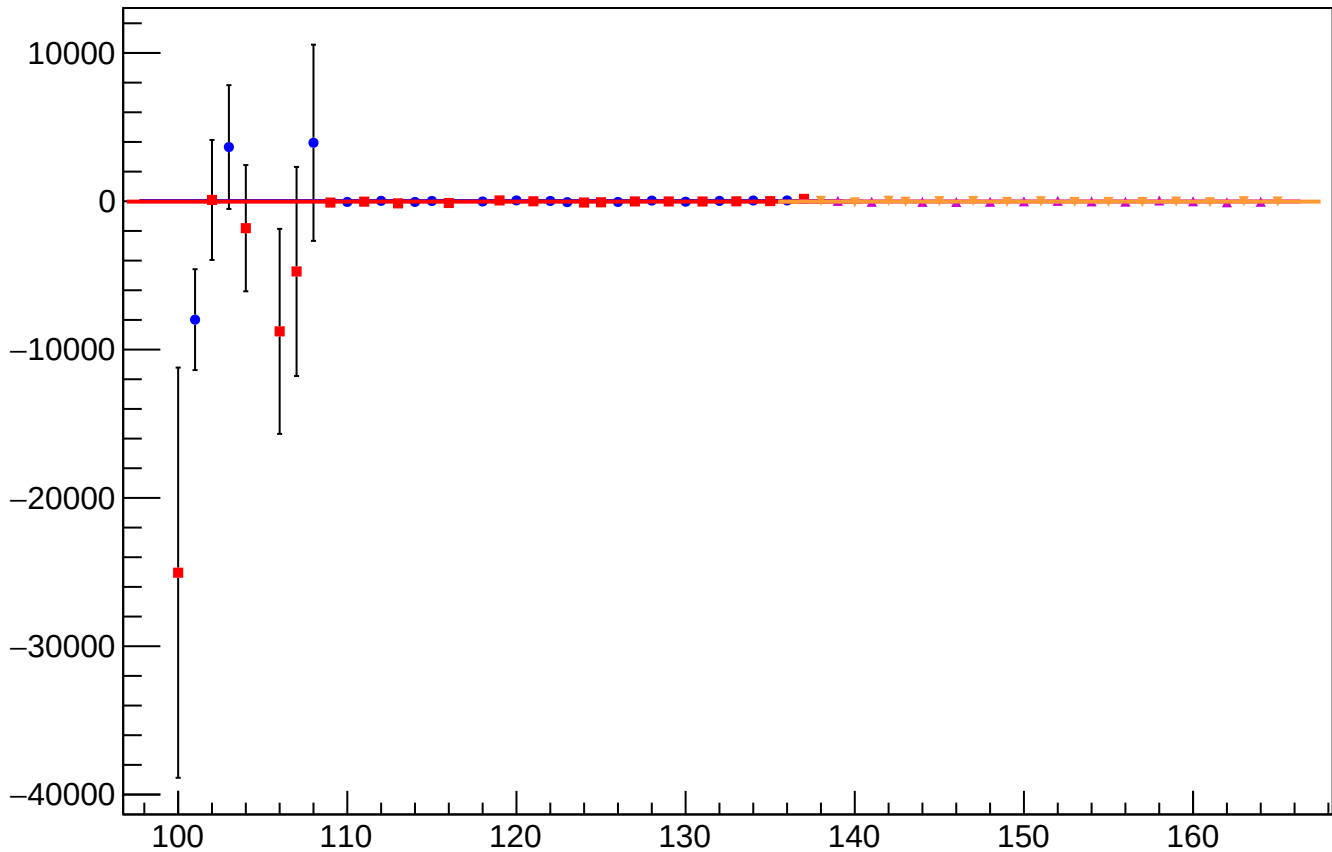
Left In: 184.872 ± 0.043 χ^2/NDF : 1243722.3/12

+ sign 215.599 ± 0.039 χ^2/NDF : 4714652.2/31

All: 195.997 ± 0.026 χ^2/NDF : 10630872.2/63

- sign 180.928 ± 0.035 χ^2/NDF : 5478368.8/31

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: -21.937+/-9.464 χ^2/NDF : 11.2/14

Right Out: -22.618+/-13.660 χ^2/NDF : 28.0/18

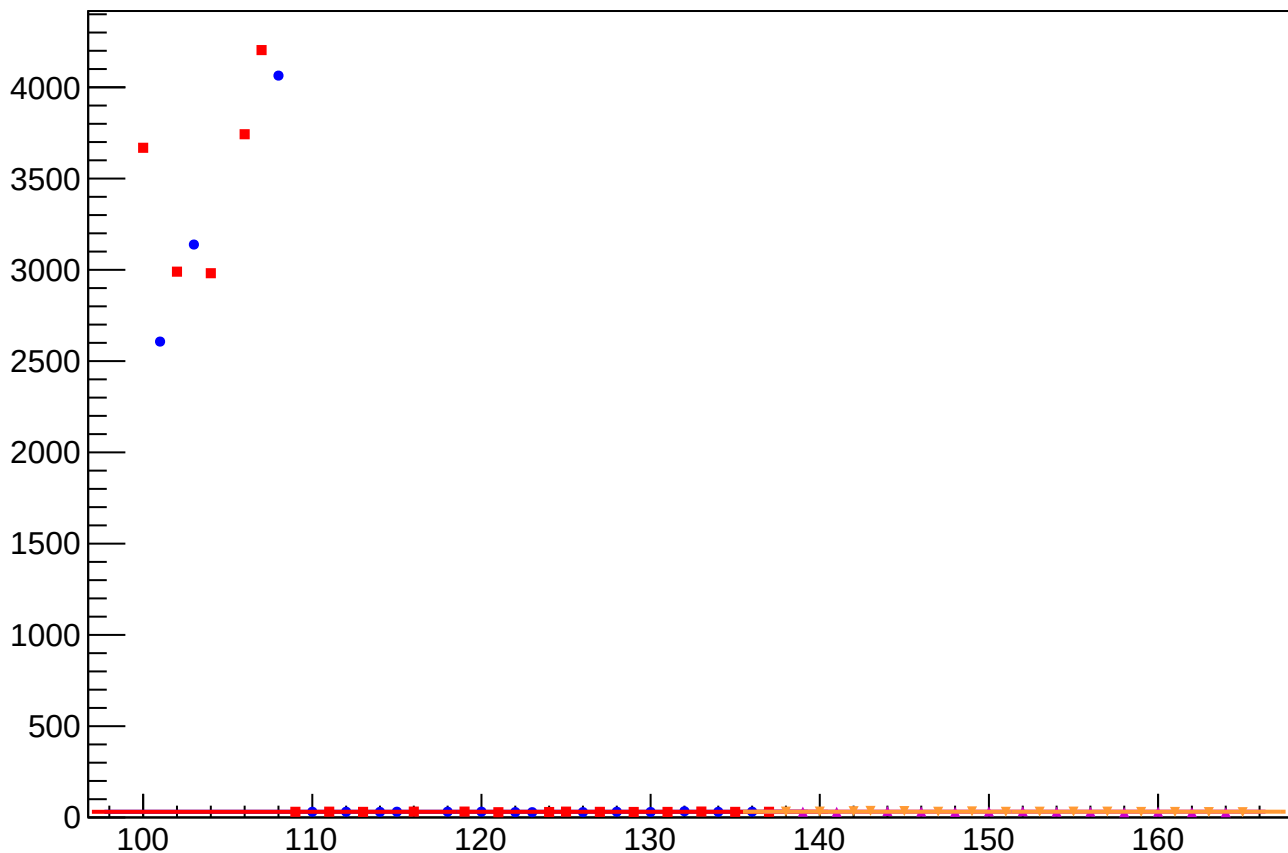
Left In: -12.195+/-9.830 χ^2/NDF : 12.2/12

+ sign -10.757+/-7.791 χ^2/NDF : 30.2/31

All: -13.195+/-5.574 χ^2/NDF : 70.9/63

- sign -15.751+/-7.979 χ^2/NDF : 40.6/31

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: 31.563+/-0.007 χ^2/NDF : 70765.7/14

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

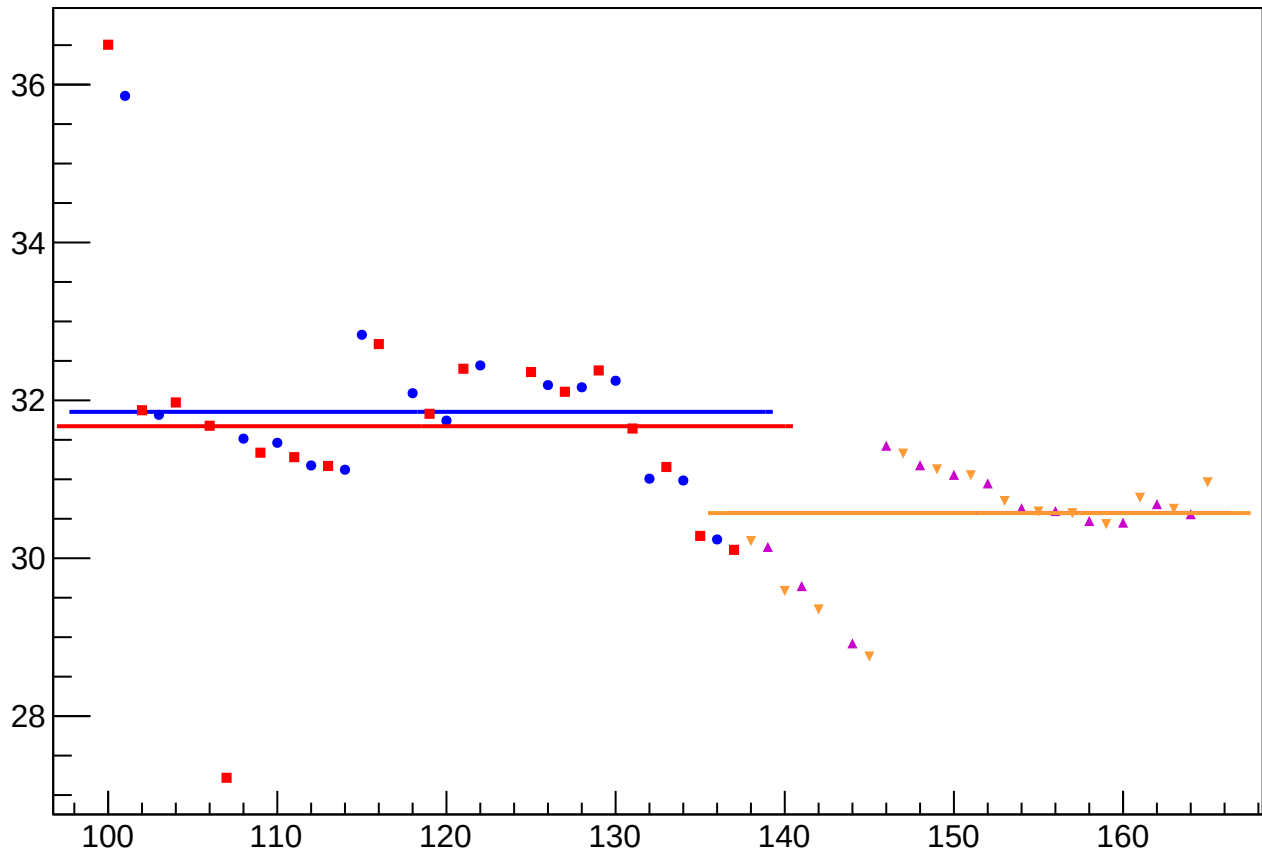
Left In: 31.504+/-0.007 χ^2/NDF : 77600.8/12

+ sign 31.431+/-0.006 χ^2/NDF : 3086490.0/31

All: 31.376+/-0.004 χ^2/NDF : 6625283.5/63

- sign 31.319+/-0.006 χ^2/NDF : 3538592.5/31

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.572+/-0.000 χ^2/NDF : 610580096.3/13

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

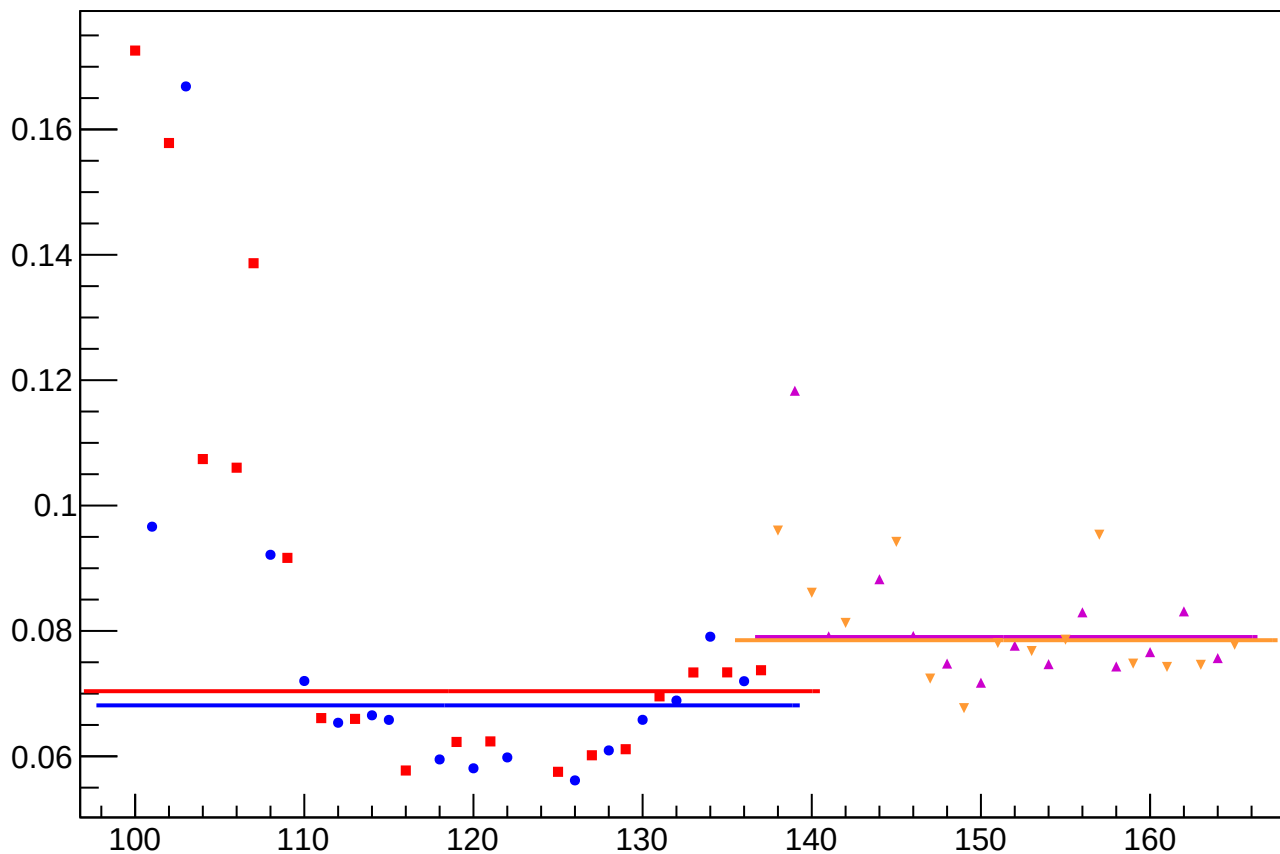
Left In: 30.574+/-0.000 χ^2/NDF : 565966416.7/12

+ sign 31.148+/-0.000 χ^2/NDF : 3307719363.0/29

All: 31.106+/-0.000 χ^2/NDF : 5601245470.8/6

- sign 31.063+/-0.000 χ^2/NDF : 2283551483.4/30

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.079 $\pm$ 0.000 χ^2/NDF : 196727.1/13

Right Out: 0.070 $\pm$ 0.000 χ^2/NDF : 841320.1/17

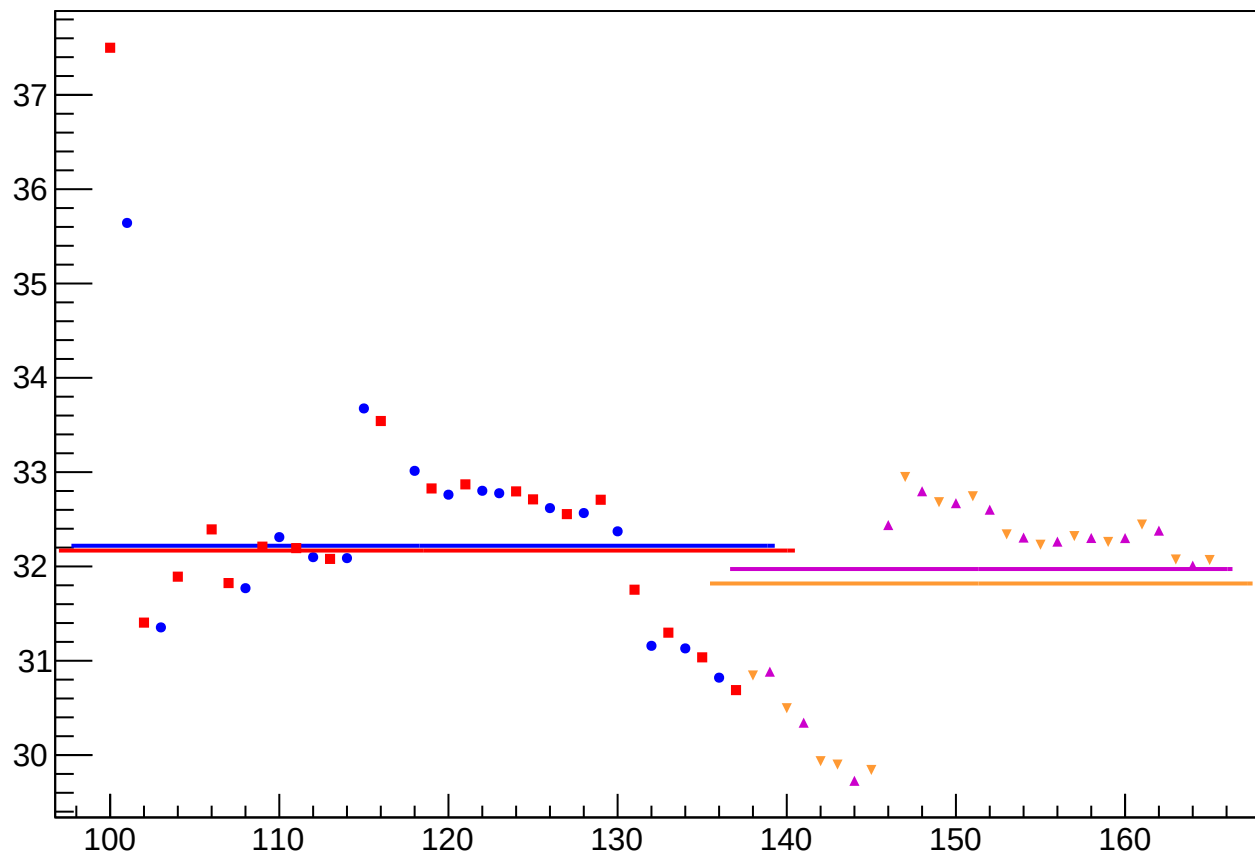
Left In: 0.079 $\pm$ 0.000 χ^2/NDF : 213311.6/12

+ sign 0.074 $\pm$ 0.000 χ^2/NDF : 974559.8/29

All: 0.075 $\pm$ 0.000 χ^2/NDF : 2132999.7/60

- sign 0.075 $\pm$ 0.000 χ^2/NDF : 1153607.7/30

yield_usr_mean vs Slug



Right In: 32.220 $\pm$ 0.000 χ^2 /NDF: 1013864543.3/16

Left Out: 31.819 $\pm$ 0.000 χ^2 /NDF: 1817914439.5/14

Right Out: 32.168 $\pm$ 0.000 χ^2 /NDF: 442298310.3/18

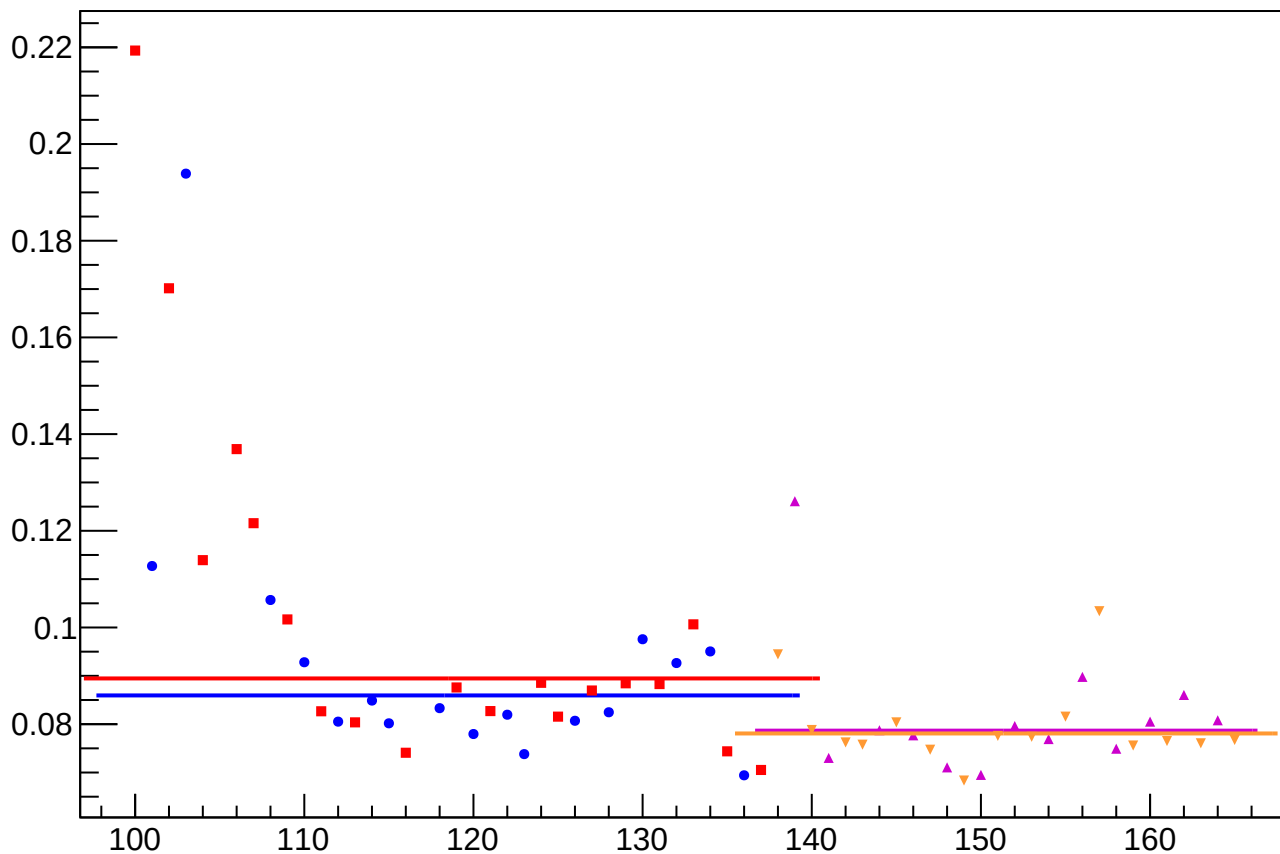
Left In: 31.973 $\pm$ 0.000 χ^2 /NDF: 1393958756.7/12

+ sign 31.948 $\pm$ 0.000 χ^2 /NDF: 2916983726.5/31

All: 31.992 $\pm$ 0.000 χ^2 /NDF: 4782388604.1/6

- sign 32.038 $\pm$ 0.000 χ^2 /NDF: 1855839097.1/31

yield_usr_rms vs Slug



Right In: 0.086 ± 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.078 ± 0.000 χ^2/NDF : 160154.4/14

Right Out: 0.089 ± 0.000 χ^2/NDF : 539869.9/18

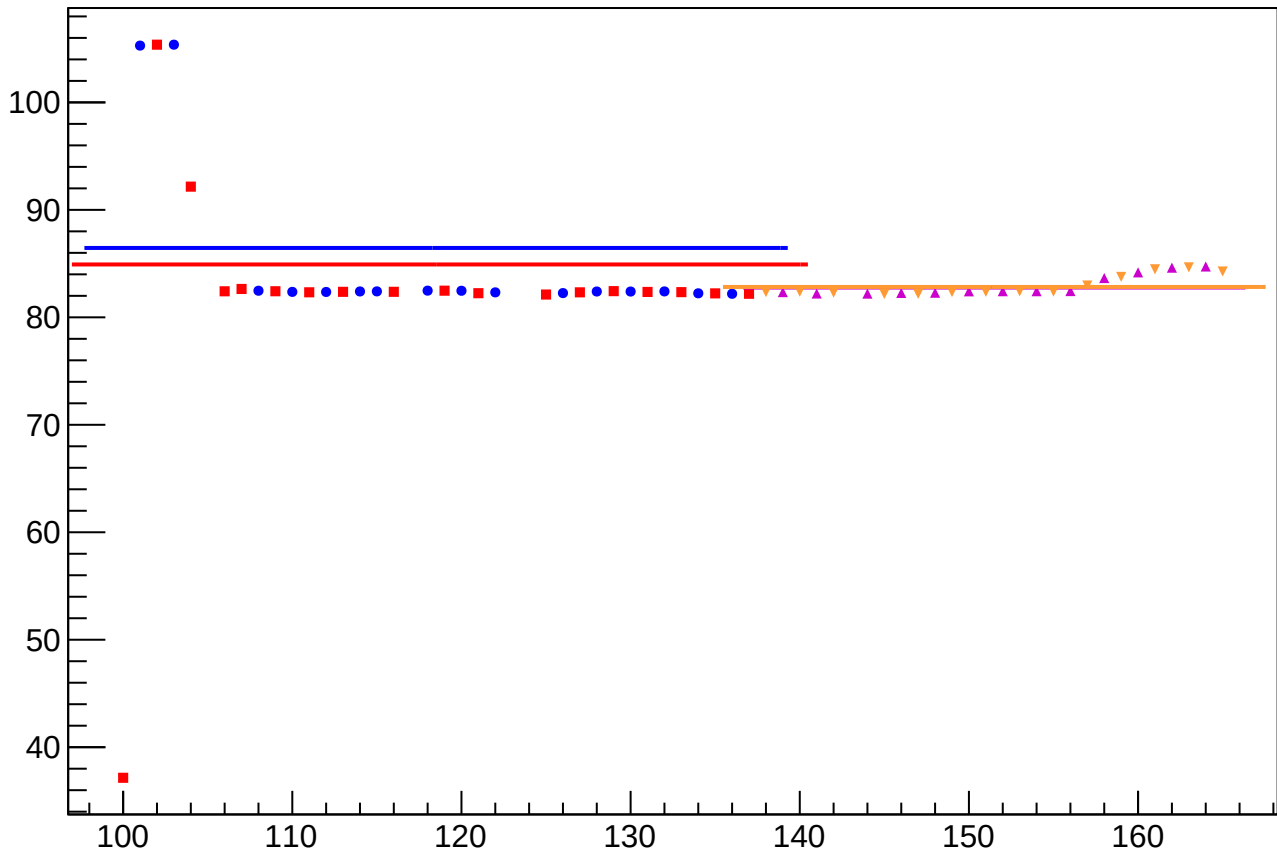
Left In: 0.079 ± 0.000 χ^2/NDF : 292003.4/12

+ sign 0.081 ± 0.000 χ^2/NDF : 779259.9/31

All: 0.081 ± 0.000 χ^2/NDF : 1736730.8/63

- sign 0.082 ± 0.000 χ^2/NDF : 950936.4/31

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.827+/-0.000 χ^2/NDF : 3670974999.2/13

Right Out: 84.920+/-0.000 χ^2/NDF : 172195187677.7/17

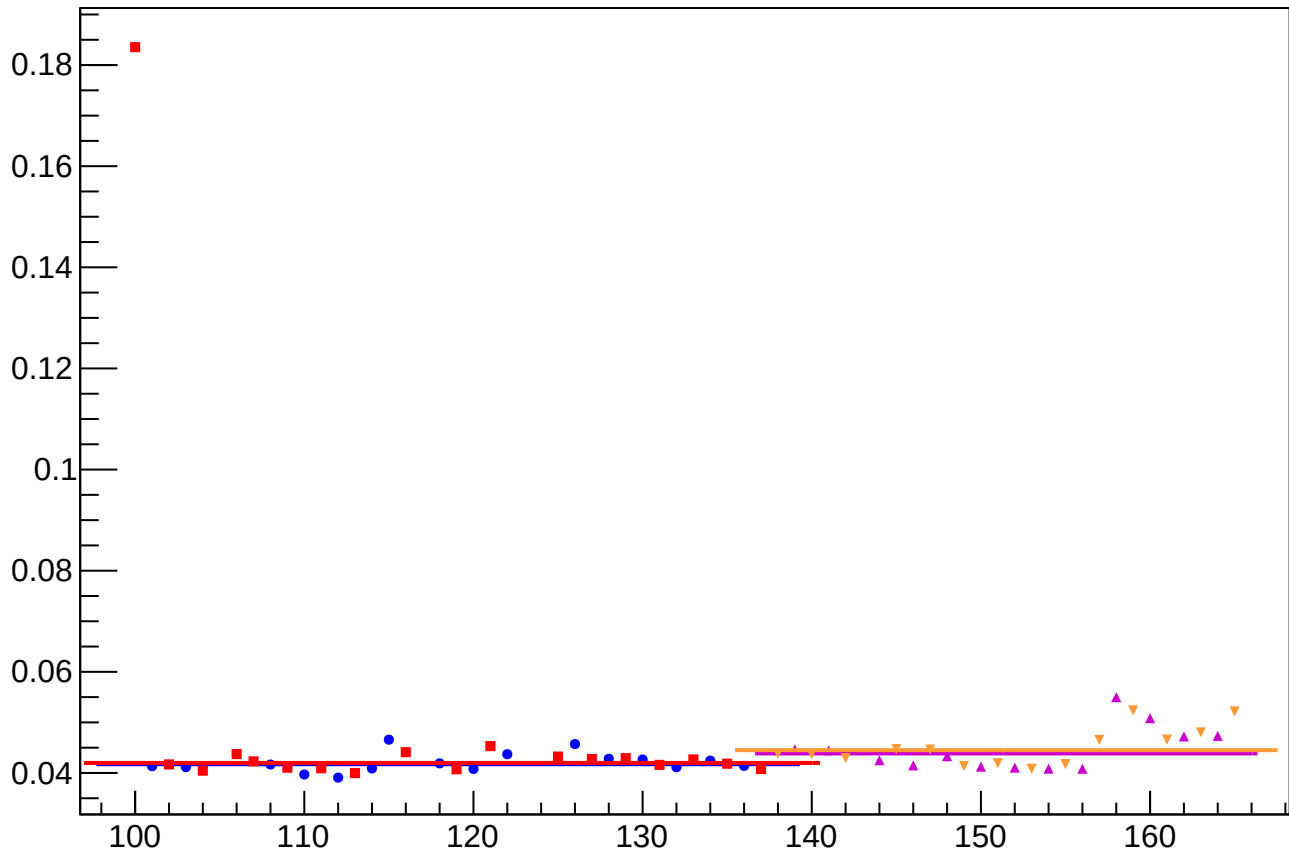
Left In: 82.772+/-0.000 χ^2/NDF : 3679690752.4/12

+ sign 84.361+/-0.000 χ^2/NDF : 323765554991.3/29

All: 84.021+/-0.000 χ^2/NDF : 511994271309.0

- sign 83.689+/-0.000 χ^2/NDF : 186193388392.1/30

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF: 110943.7/13

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96869.3/17

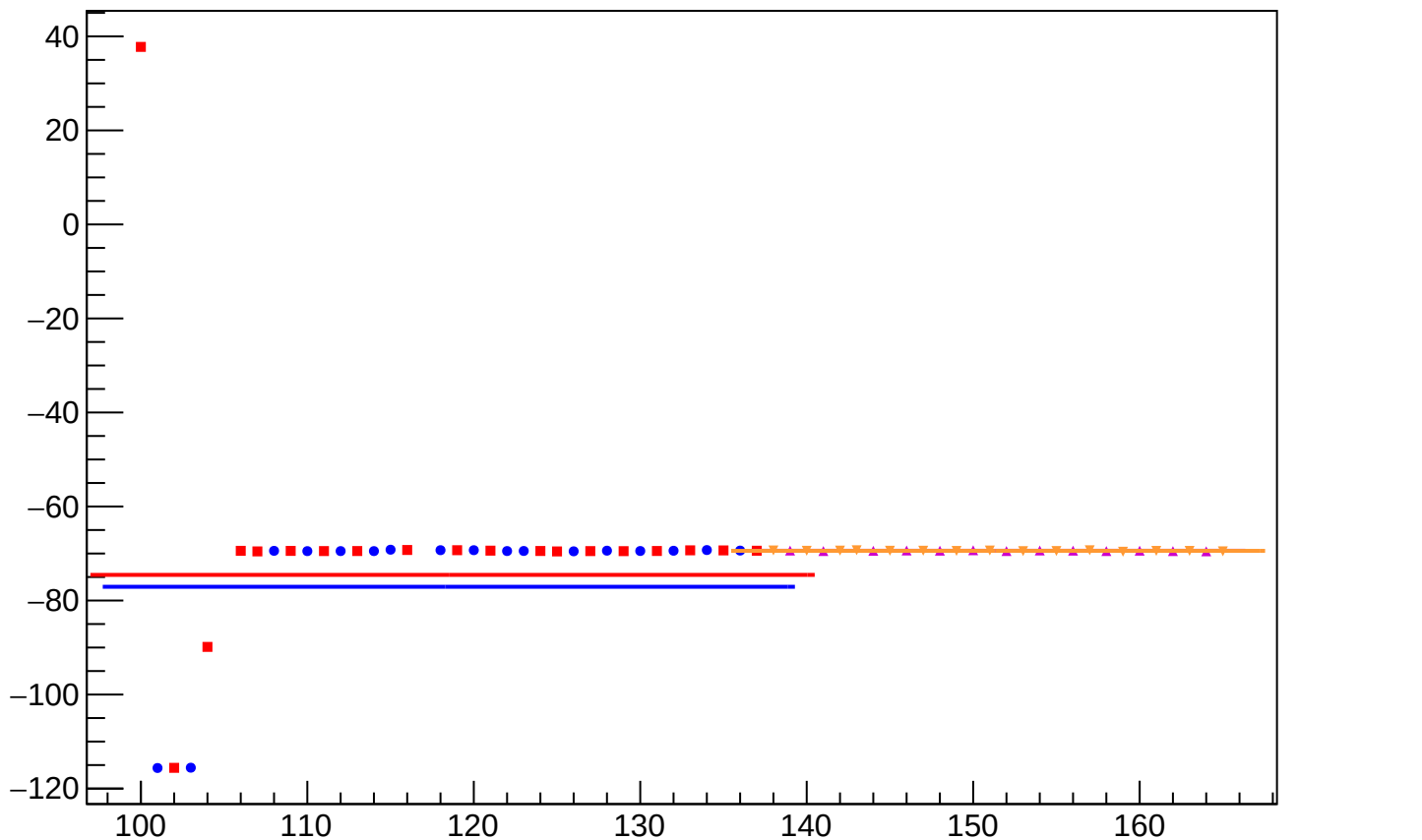
Left In: 0.044 $\pm$ 0.000 χ^2 /NDF: 147338.0/12

+ sign 0.043 $\pm$ 0.000 χ^2 /NDF: 163533.8/29

All: 0.043 $\pm$ 0.000 χ^2 /NDF: 424227.6/60

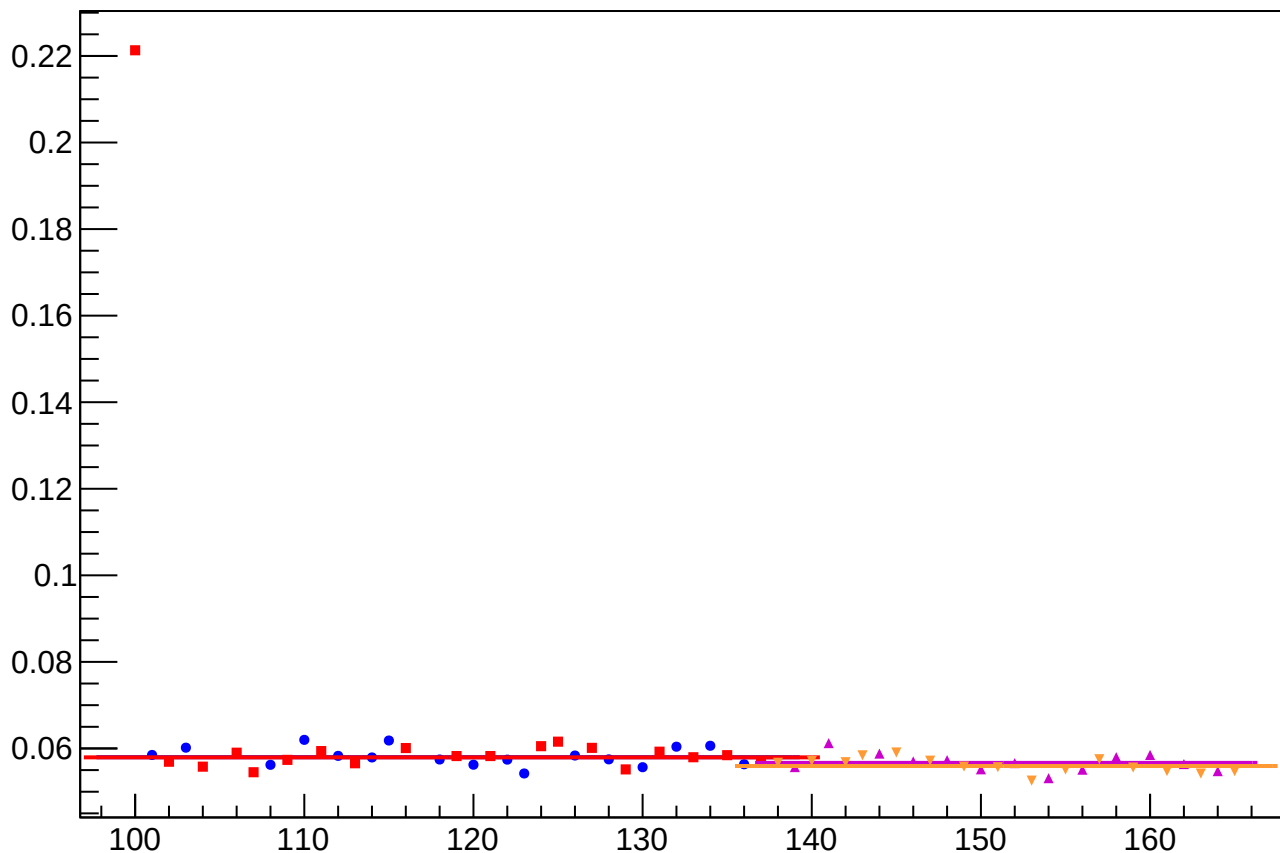
- sign 0.043 $\pm$ 0.000 χ^2 /NDF: 259997.6/30

yield_dsr_mean vs Slug



Right In: -77.074 ± 0.000 $\chi^2/\text{NDF}: 565391865606.1/16$
 Left Out: -69.433 ± 0.000 $\chi^2/\text{NDF}: 22660563.8/14$ + sign -72.166 ± 0.000 $\chi^2/\text{NDF}: 637230936382.9/3$
 Right Out: -74.547 ± 0.000 $\chi^2/\text{NDF}: 371890102737.4/18$ All: -71.814 ± 0.000 $\chi^2/\text{NDF}: 104299778552$
 Left In: -69.411 ± 0.000 $\chi^2/\text{NDF}: 11966171.9/12$ - sign -71.448 ± 0.000 $\chi^2/\text{NDF}: 404412160819.6/31$

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056+/-0.000 χ^2/NDF : 18970.9/14

Right Out: 0.058+/-0.000 χ^2/NDF : 86466.5/18

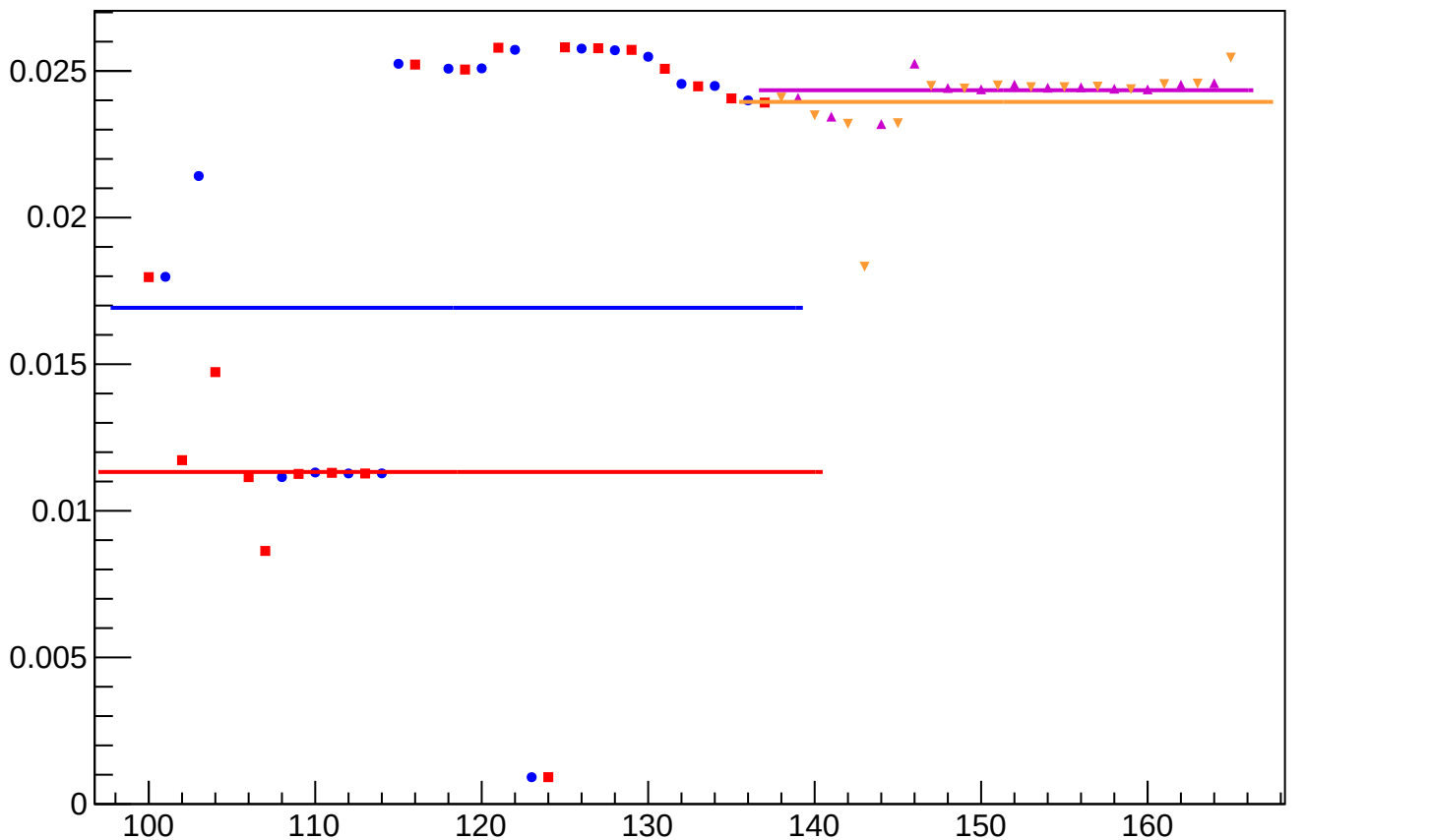
Left In: 0.057+/-0.000 χ^2/NDF : 25327.4/12

+ sign 0.057+/-0.000 χ^2/NDF : 41382.4/31

All: 0.057+/-0.000 χ^2/NDF : 158524.2/63

- sign 0.057+/-0.000 χ^2/NDF : 115812.2/31

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: 5440934137.3/14

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 234754769754.2/18

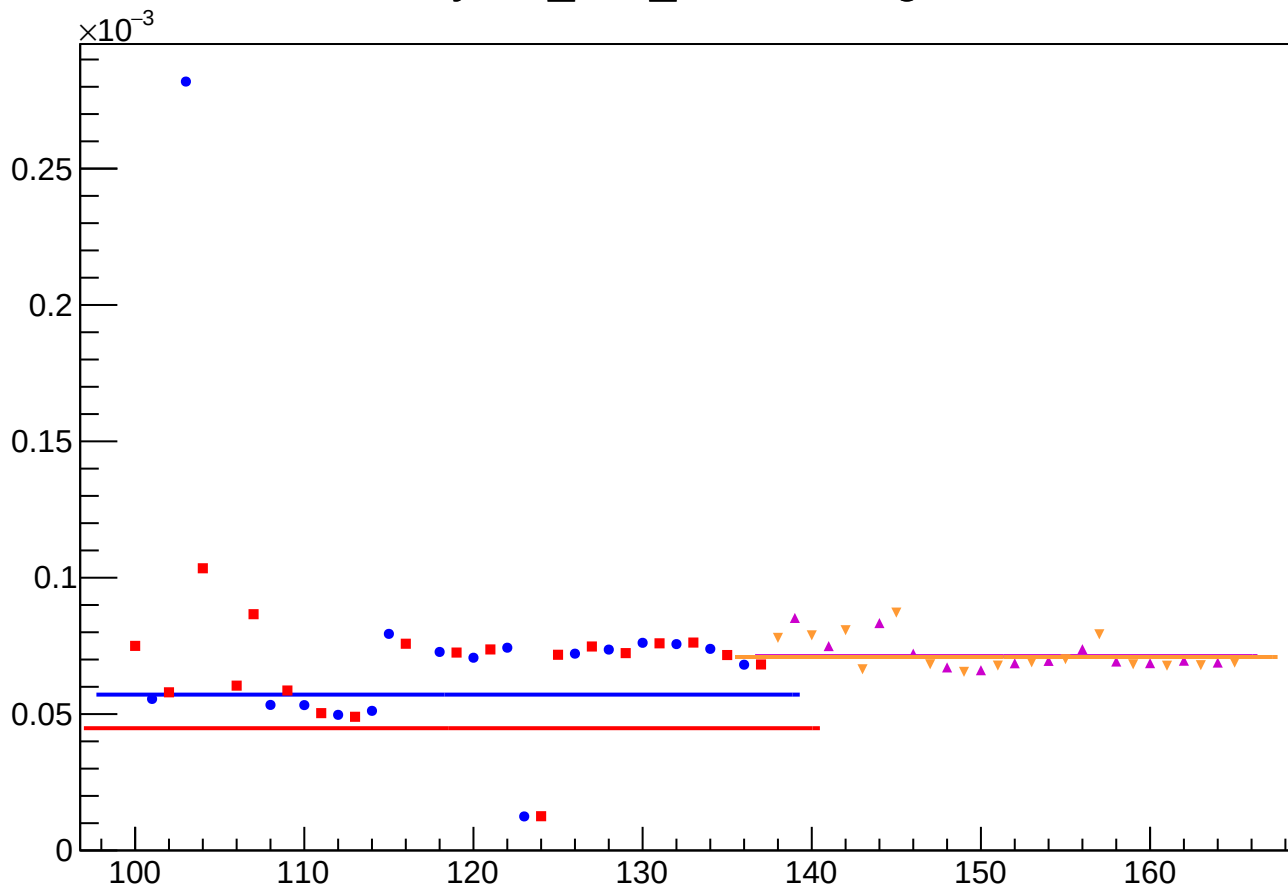
Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 431024896.5/12

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 178385650270.8/31

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 624935513915.1

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 419450271001.1/31

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 :140259.0/14

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

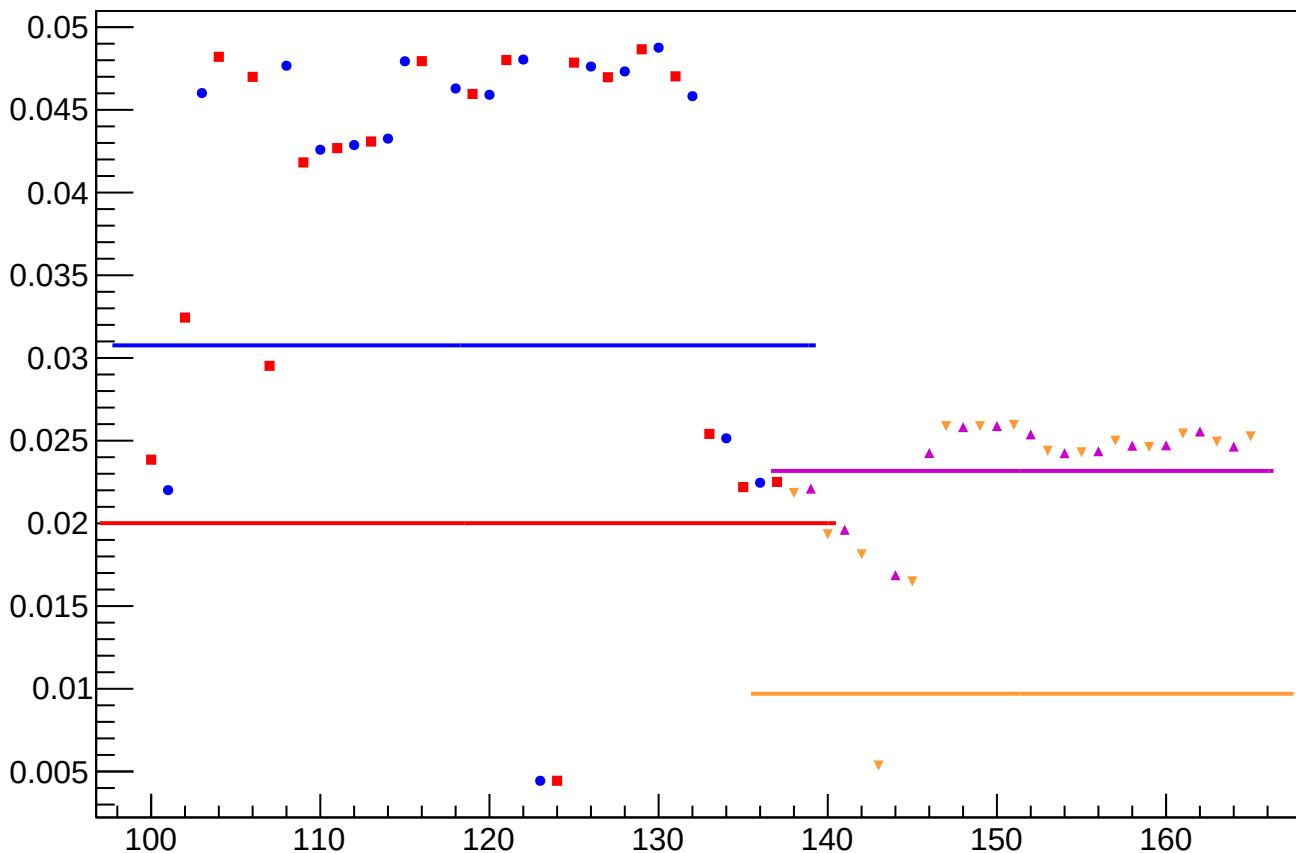
Left In: 0.000+/-0.000 χ^2/NDF :105175.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 2499354.2/31

All: 0.000+/-0.000 χ^2/NDF : 7983118.2/63

- sign 0.000+/-0.000 χ^2/NDF : 5217313.8/31

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 28080934609.6/14

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

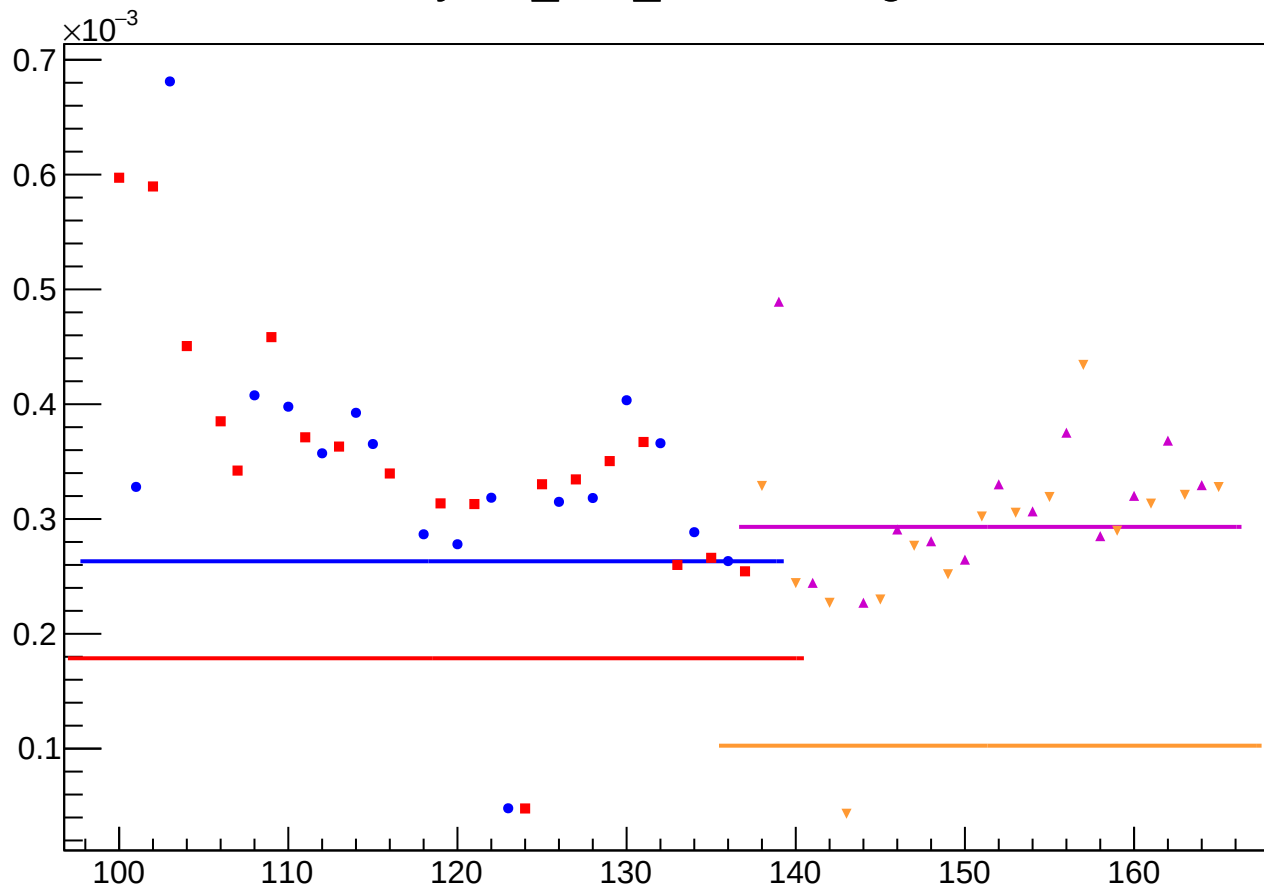
Left In: 0.023+/-0.000 χ^2/NDF : 1047842427.9/12

+ sign 0.013+/-0.000 χ^2/NDF : 76479580657.0/31

All: 0.015+/-0.000 χ^2/NDF : 130930539058.7

- sign 0.022+/-0.000 χ^2/NDF : 41617248220.1/31

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 : 10433633.6/14

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 609740.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 16001944.5/31

All: 0.000+/-0.000 χ^2/NDF : 27194433.8/63

- sign 0.000+/-0.000 χ^2/NDF : 7416447.9/31

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 357537757.5/14

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 119477574468.5/31

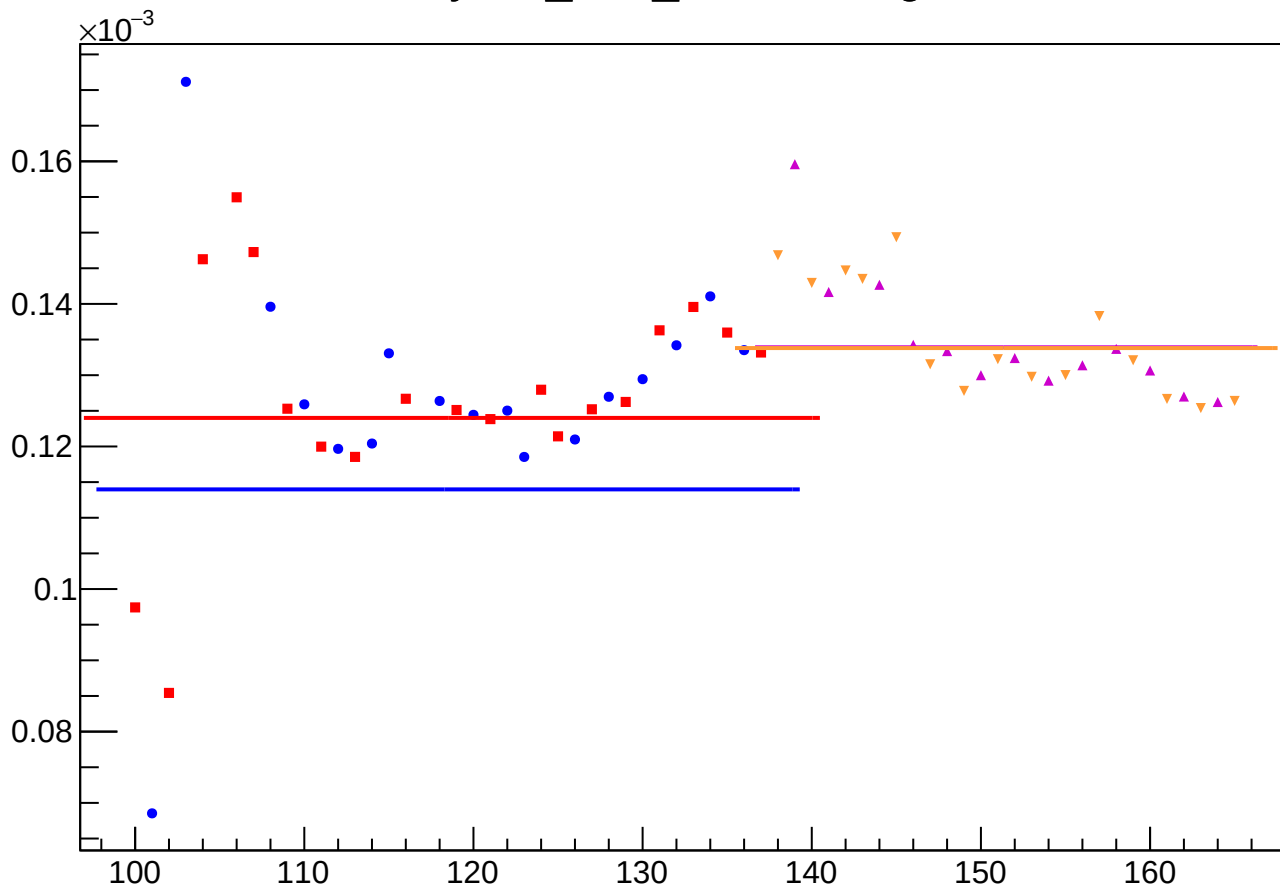
Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43669374279.3/18

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 170607695990.2

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 274735812.5/12

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 48717399869.2/31

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 : 68669.0/14

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

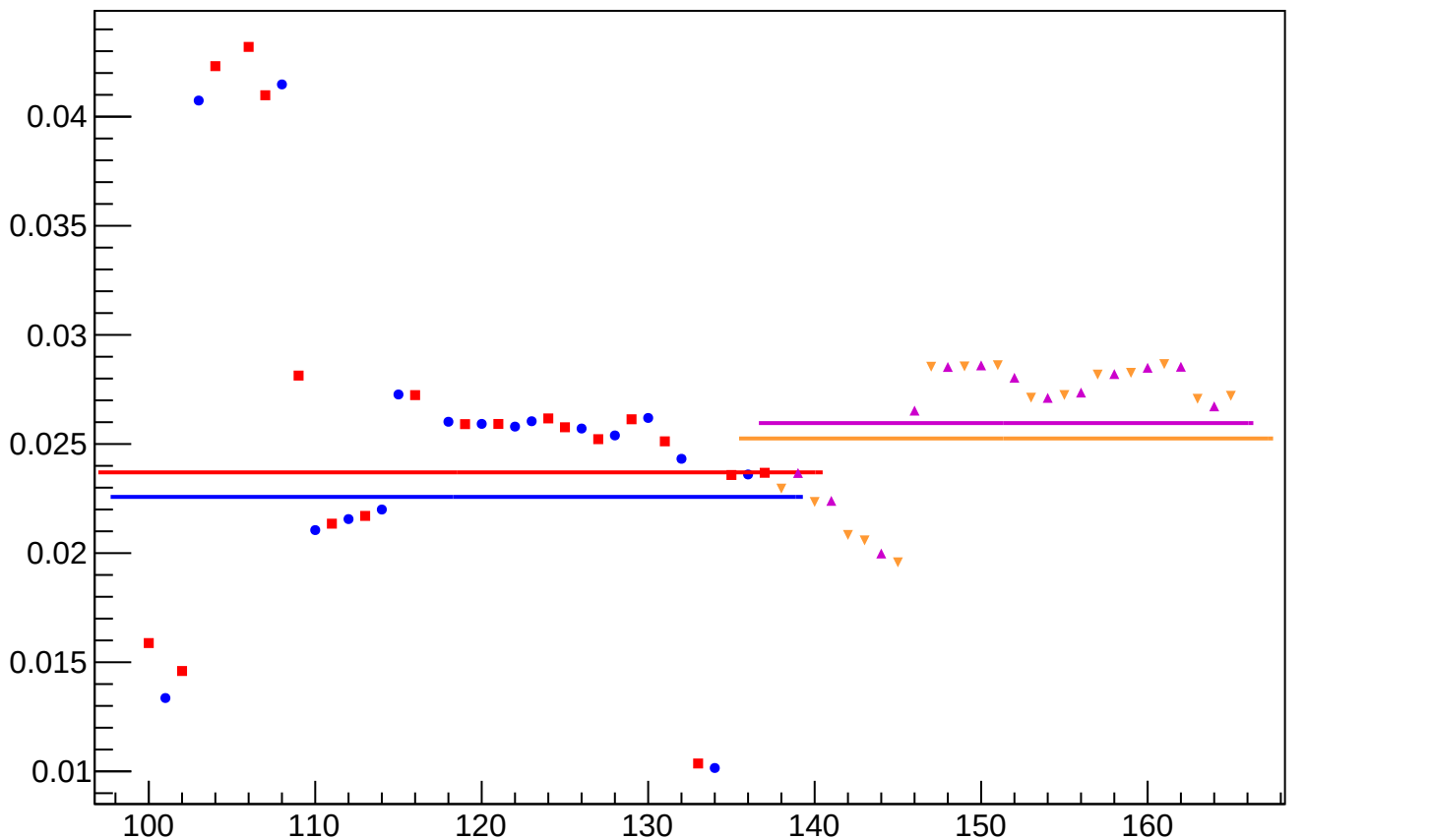
Left In: 0.000+/-0.000 χ^2/NDF : 62320.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 1071791.8/31

All: 0.000+/-0.000 χ^2/NDF : 1448038.4/63

- sign 0.000+/-0.000 χ^2/NDF : 355463.9/31

yield_atr2_mean vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 4247774712.9/16

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 1608335260.8/14

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5651397656.1/18

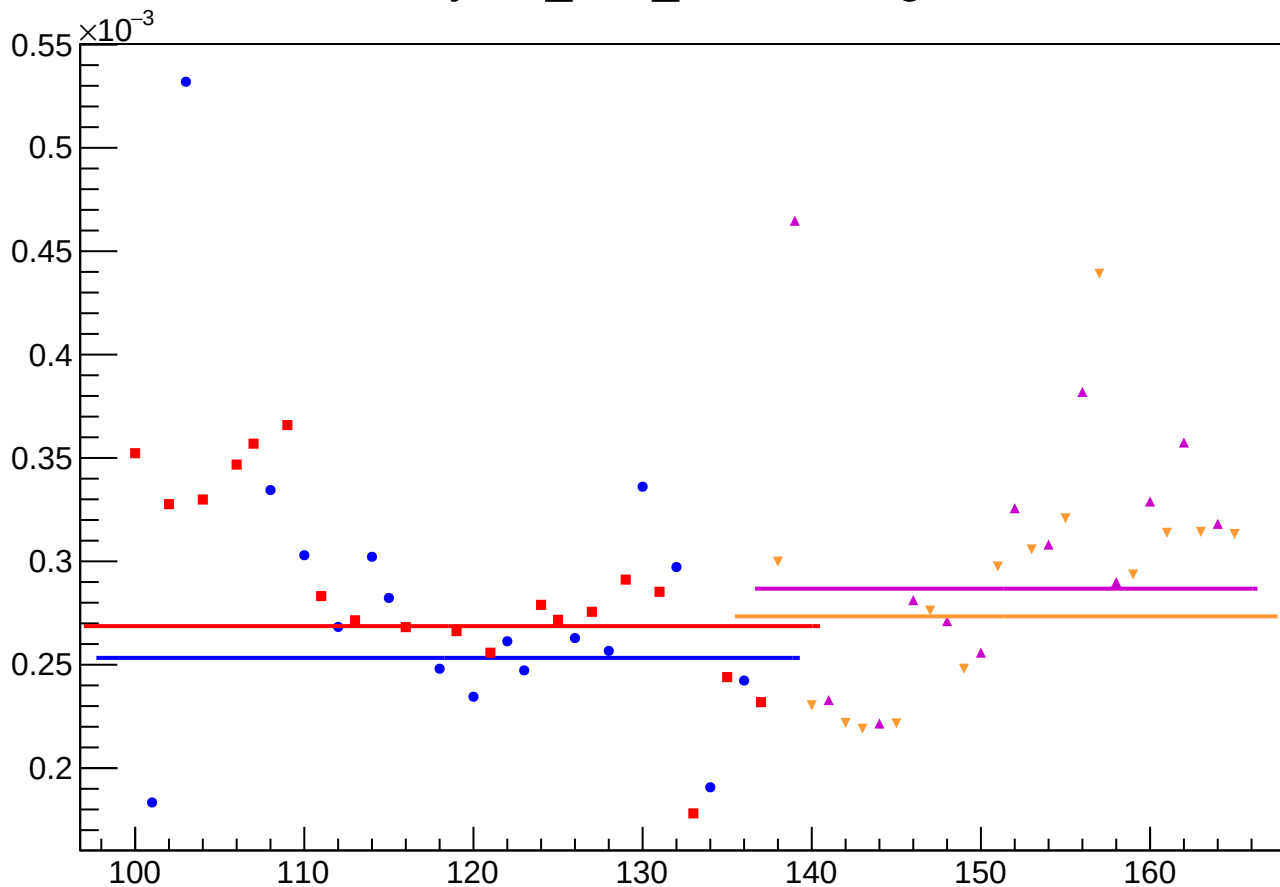
Left In: 0.026 $\pm$ 0.000 χ^2 /NDF: 1101245046.4/12

+ sign 0.024 $\pm$ 0.000 χ^2 /NDF: 6237834548.7/31

All: 0.025 $\pm$ 0.000 χ^2 /NDF: 13308415060.9/6

- sign 0.025 $\pm$ 0.000 χ^2 /NDF: 6999563138.1/31

yield_atr2_rms vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 629159.2/16$

Left Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 558994.0/14$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 428329.0/18$

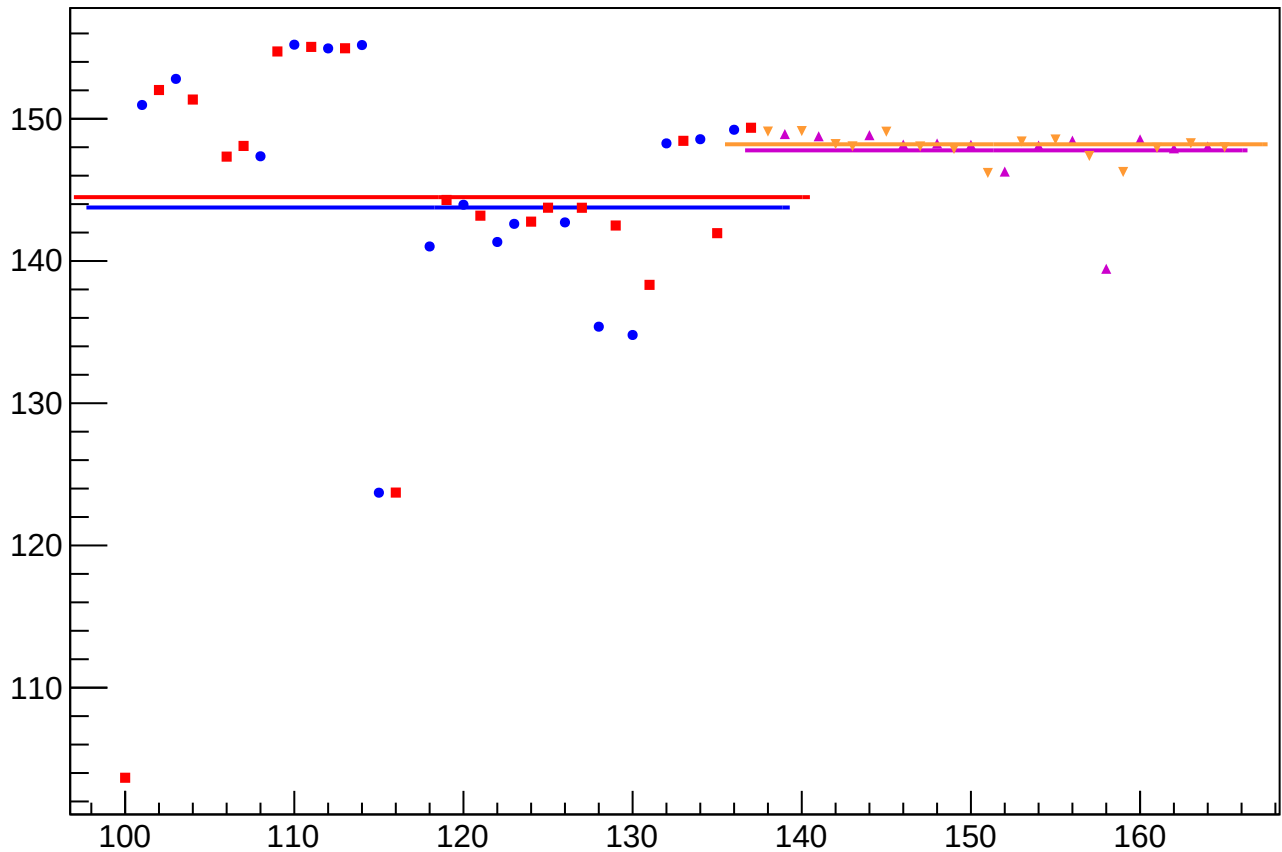
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 656560.7/12$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 1231059.4/31$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 2387291.5/63$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 1116653.7/31$

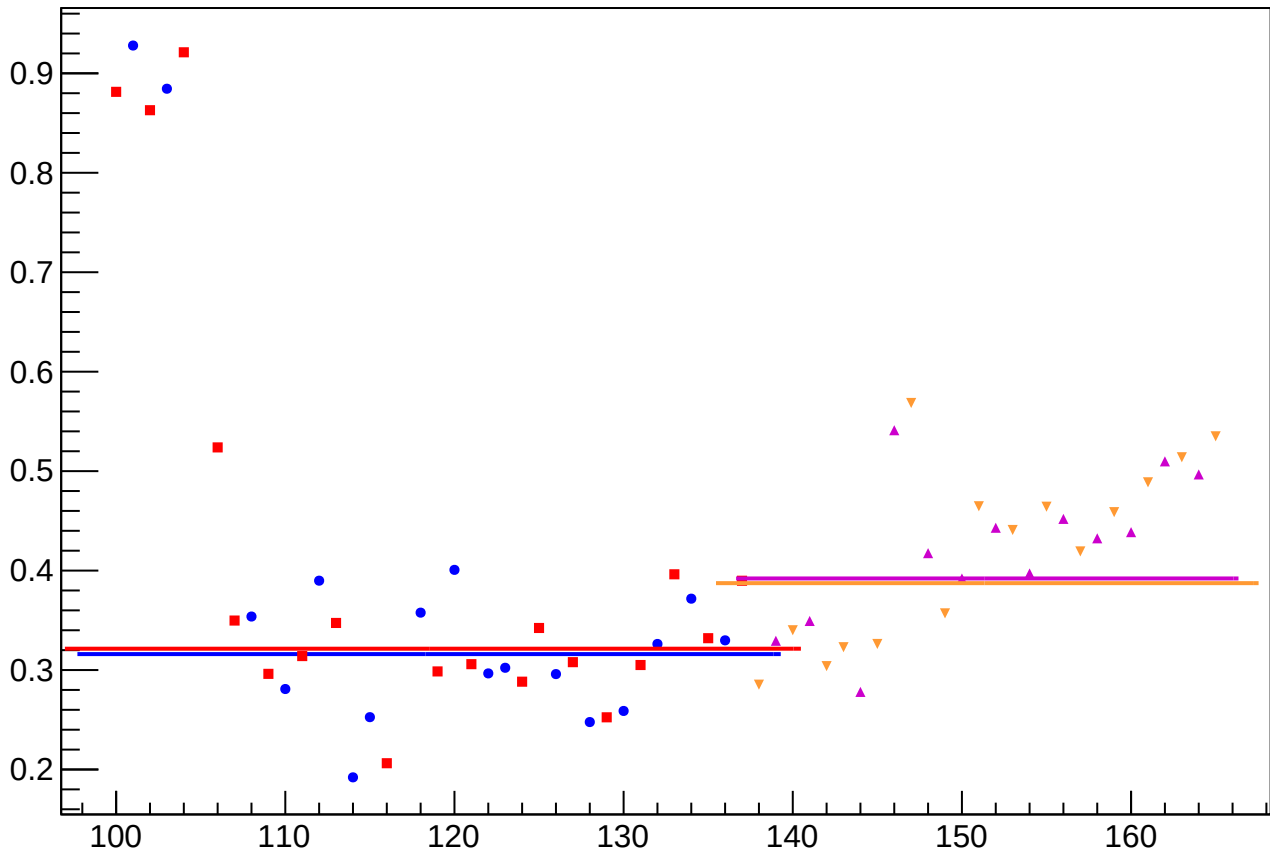
yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16
 Left Out: 148.206 $\pm$ 0.000 χ^2 /NDF: 50706950.7/14
 Right Out: 144.490 $\pm$ 0.000 χ^2 /NDF: 4182548232.5/18
 Left In: 147.779 $\pm$ 0.000 χ^2 /NDF: 321441427.5/12

+ sign 146.212 $\pm$ 0.000 χ^2 /NDF: 4190727092.8/31
 All: 146.214 $\pm$ 0.000 χ^2 /NDF: 9016307539.8
 - sign 146.215 $\pm$ 0.000 χ^2 /NDF: 4825579909.8/31

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 $\pm$ 0.000 χ^2 /NDF: 1265921.5/16

Left Out: 0.387 $\pm$ 0.000 χ^2 /NDF: 940040.0/14

Right Out: 0.321 $\pm$ 0.000 χ^2 /NDF: 1219073.9/18

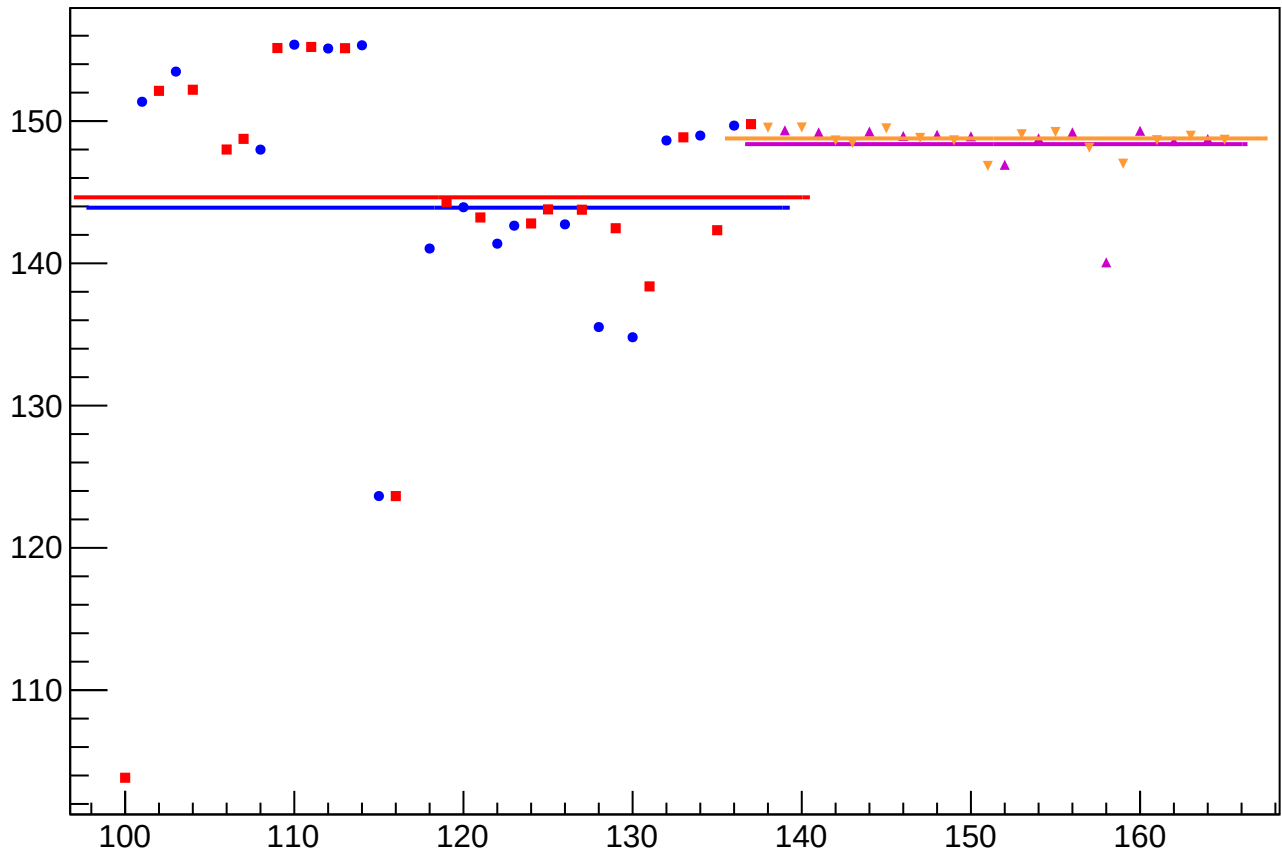
Left In: 0.392 $\pm$ 0.000 χ^2 /NDF: 689853.4/12

+ sign 0.355 $\pm$ 0.000 χ^2 /NDF: 2517962.1/31

All: 0.357 $\pm$ 0.000 χ^2 /NDF: 4724682.4/63

- sign 0.359 $\pm$ 0.000 χ^2 /NDF: 2205517.3/31

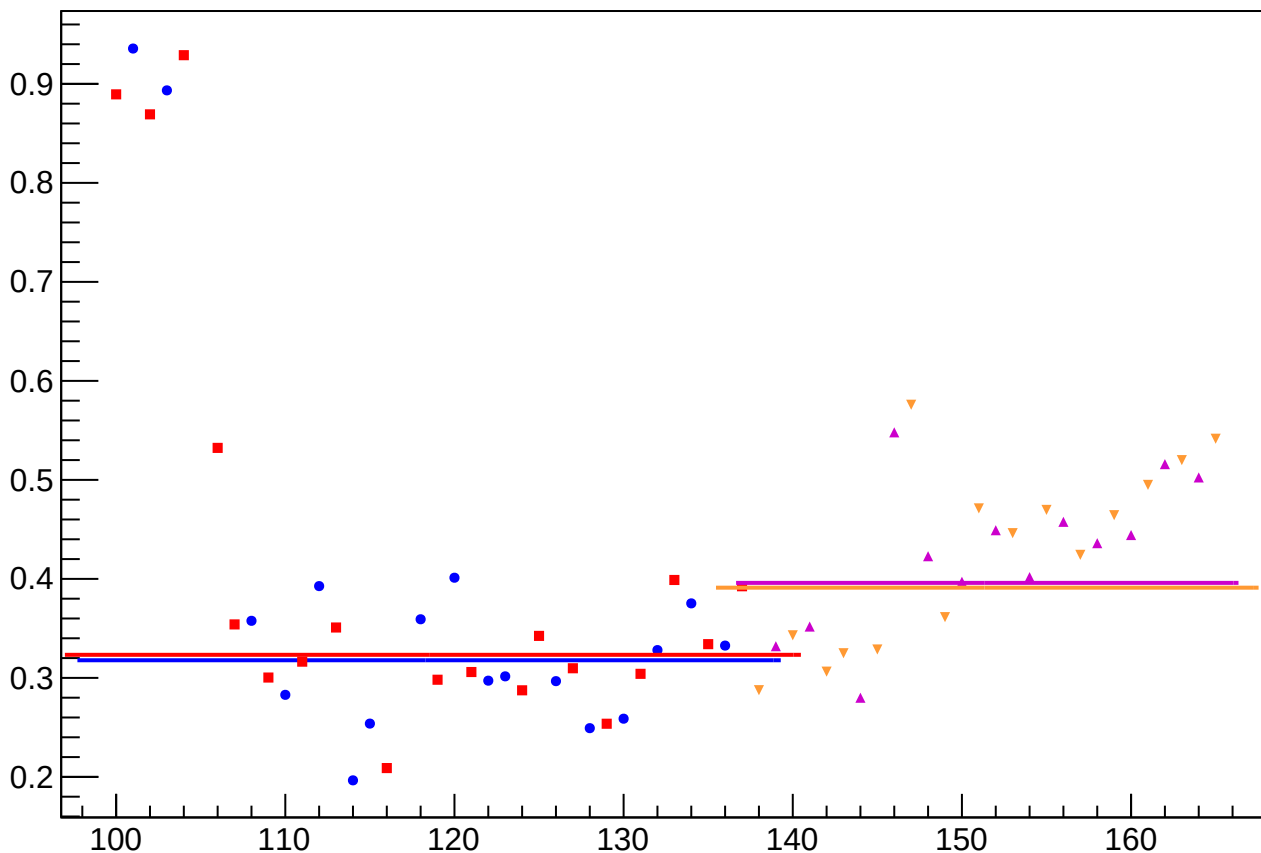
yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16
 Left Out: 148.780 $\pm$ 0.000 χ^2 /NDF: 39824944.1/14
 Right Out: 144.640 $\pm$ 0.000 χ^2 /NDF: 4209610240.4/18
 Left In: 148.380 $\pm$ 0.000 χ^2 /NDF: 310774277.4/12

+ sign 146.585 $\pm$ 0.000 χ^2 /NDF: 4342913138.4/31
 All: 146.589 $\pm$ 0.000 χ^2 /NDF: 9272338077.3
 - sign 146.593 $\pm$ 0.000 χ^2 /NDF: 4929420259.0/31

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.391 ± 0.000 χ^2/NDF : 957496.4/14

Right Out: 0.323 ± 0.000 χ^2/NDF : 1222241.9/18

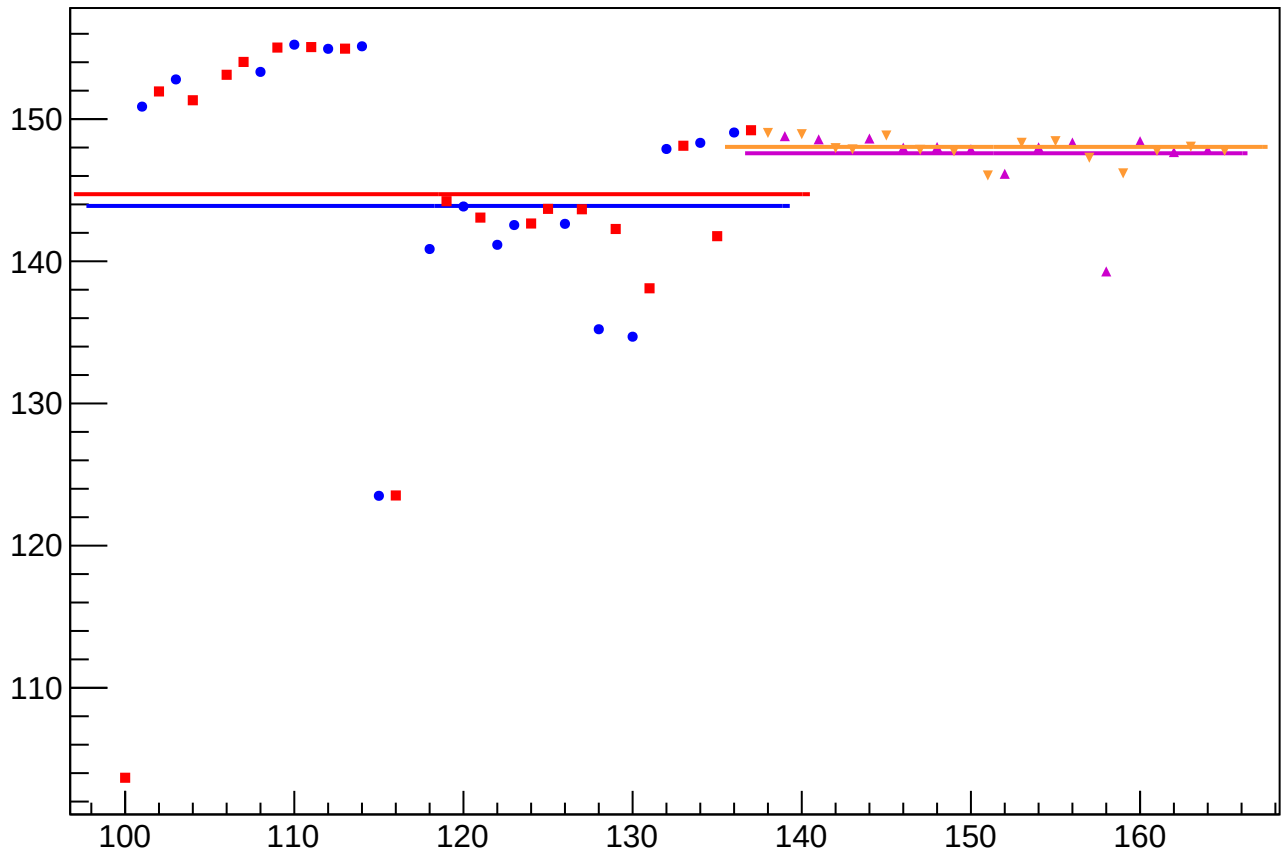
Left In: 0.396 ± 0.000 χ^2/NDF : 704553.0/12

+ sign 0.358 ± 0.000 χ^2/NDF : 2550273.3/31

All: 0.360 ± 0.000 χ^2/NDF : 4787206.5/63

- sign 0.361 ± 0.000 χ^2/NDF : 2235708.3/31

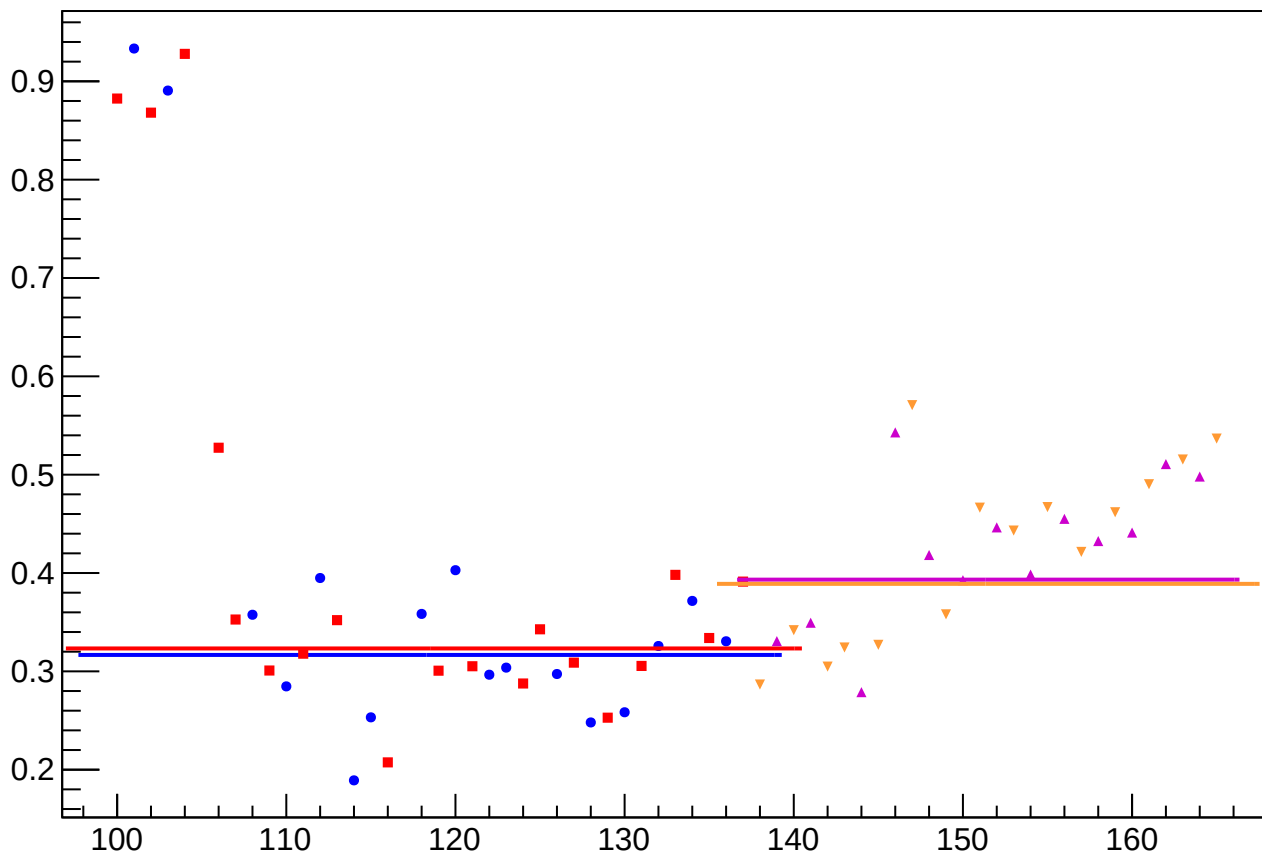
yield_bcm_an_us_mean vs Slug



Right In: 143.893 ± 0.000 χ^2/NDF : 3752655677.2/16
 Left Out: 148.046 ± 0.000 χ^2/NDF : 49100484.6/14
 Right Out: 144.719 ± 0.000 χ^2/NDF : 4473225884.5/18
 Left In: 147.597 ± 0.000 χ^2/NDF : 319997257.4/12

+ sign 146.180 ± 0.000 χ^2/NDF : 4326541870.7/31
 All: 146.205 ± 0.000 χ^2/NDF : 9363952743.8
 - sign 146.232 ± 0.000 χ^2/NDF : 5037245442.1/31

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.389 $\pm$ 0.000 χ^2 /NDF: 941361.9/14

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222784.7/18

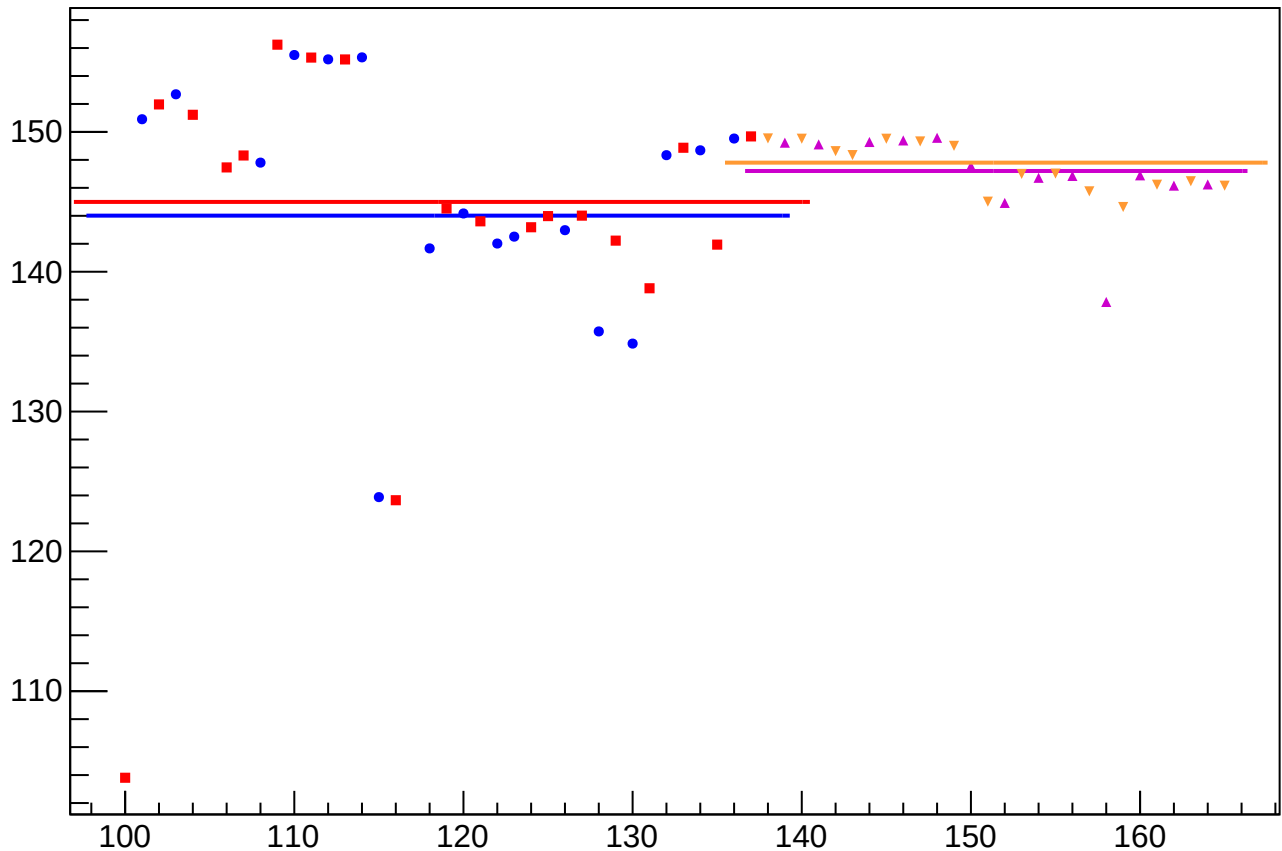
Left In: 0.393 $\pm$ 0.000 χ^2 /NDF: 692927.7/12

+ sign 0.356 $\pm$ 0.000 χ^2 /NDF: 2539639.9/31

All: 0.358 $\pm$ 0.000 χ^2 /NDF: 4745406.4/63

- sign 0.360 $\pm$ 0.000 χ^2 /NDF: 2204215.4/31

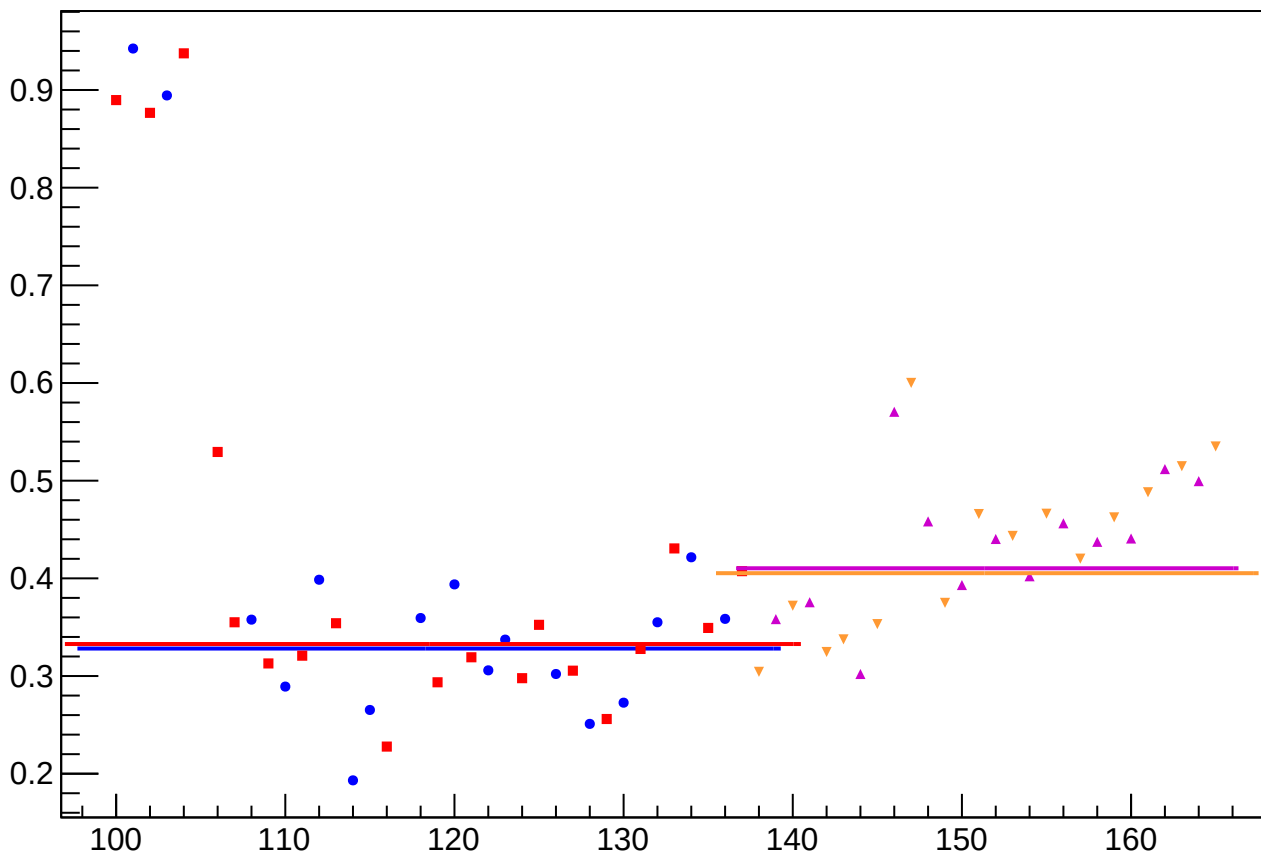
yield_bcm_dg_us_mean vs Slug



Right In: 144.012 ± 0.000 χ^2/NDF : 3241696920.3/16
 Left Out: 147.804 ± 0.000 χ^2/NDF : 177245418.4/14
 Right Out: 144.994 ± 0.000 χ^2/NDF : 3852381452.1/18
 Left In: 147.206 ± 0.000 χ^2/NDF : 486330991.2/12

+ sign 146.098 ± 0.000 χ^2/NDF : 3824703463.9/31
 All: 146.122 ± 0.000 χ^2/NDF : 8298271331.9
 - sign 146.146 ± 0.000 χ^2/NDF : 4473434143.5/31

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 1265892.9/16

Left Out: 0.405 $\pm$ 0.000 χ^2 /NDF: 736398.9/14

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1185129.6/18

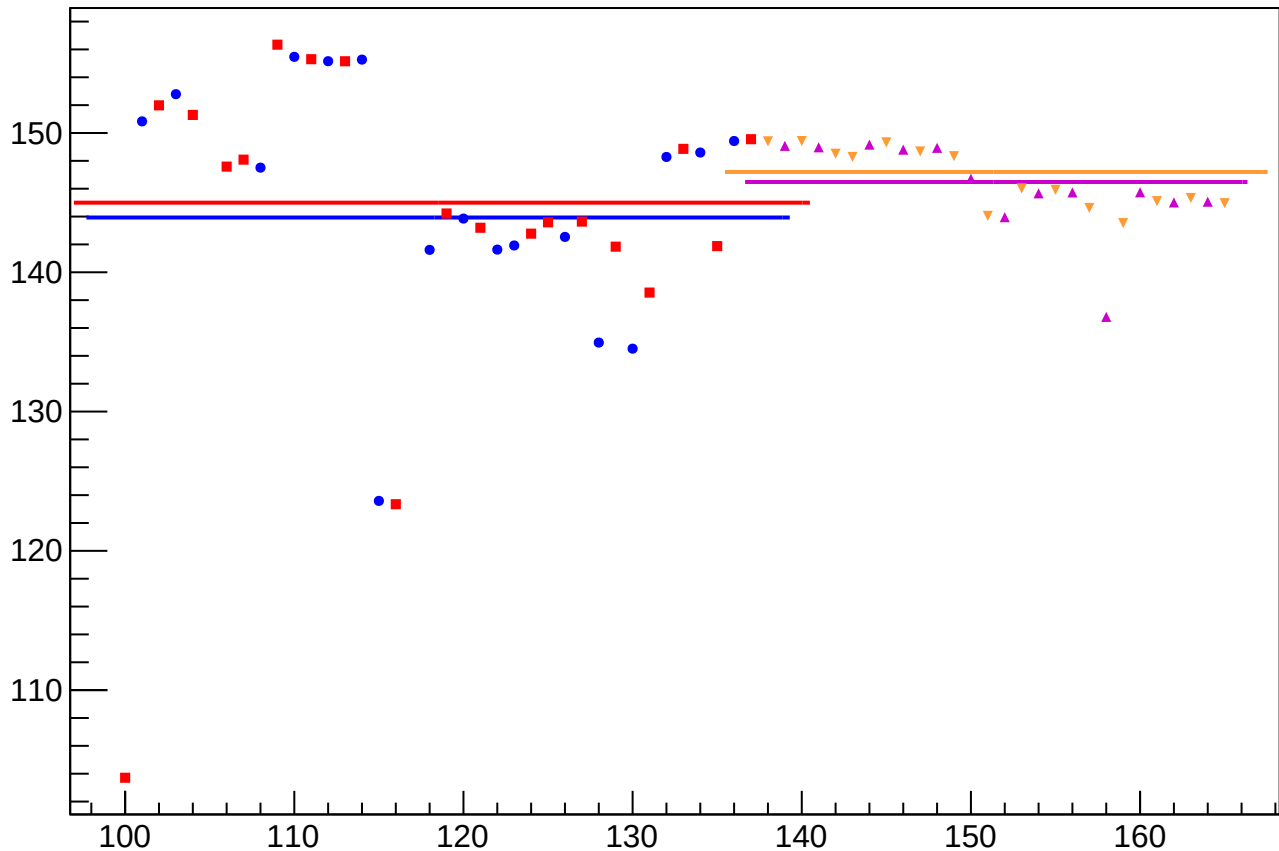
Left In: 0.410 $\pm$ 0.000 χ^2 /NDF: 530145.8/12

+ sign 0.371 $\pm$ 0.000 χ^2 /NDF: 2338465.1/31

All: 0.372 $\pm$ 0.000 χ^2 /NDF: 4385588.2/63

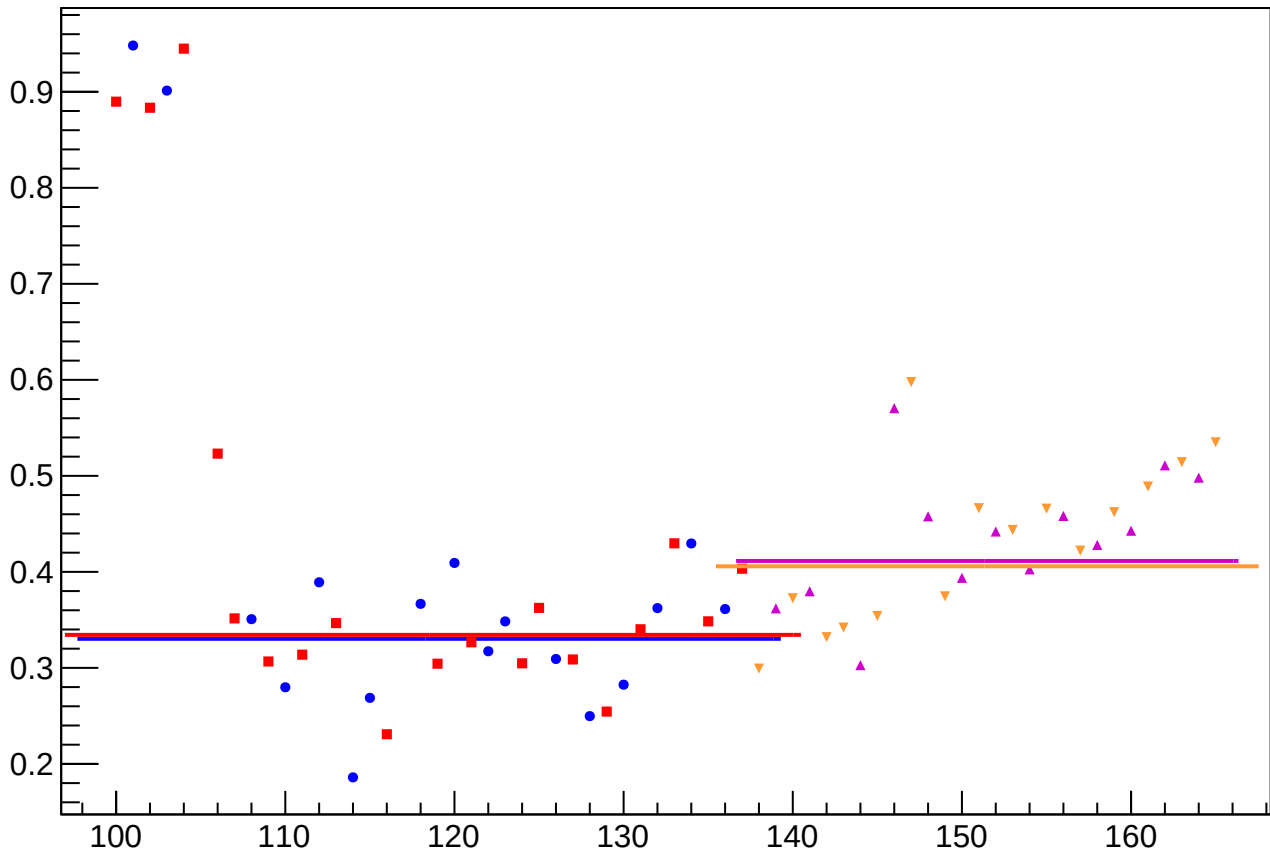
- sign 0.373 $\pm$ 0.000 χ^2 /NDF: 2046361.4/31

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000	χ^2 /NDF: 3383012861.2/16	+ sign 145.742 $\pm$ 0.000	χ^2 /NDF: 3952846769.3/31
Left Out: 147.203 $\pm$ 0.000	χ^2 /NDF: 271206389.1/14	All: 145.757 $\pm$ 0.000	χ^2 /NDF: 8542436431.0
Right Out: 144.998 $\pm$ 0.000	χ^2 /NDF: 3932958476.0/18	- sign 145.773 $\pm$ 0.000	χ^2 /NDF: 4589536793.3/31
Left In: 146.481 $\pm$ 0.000	χ^2 /NDF: 596548803.2/12		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 ± 0.000 $\chi^2/\text{NDF}: 1283955.7/16$

Left Out: 0.406 ± 0.000 $\chi^2/\text{NDF}: 734371.4/14$

Right Out: 0.334 ± 0.000 $\chi^2/\text{NDF}: 1174012.0/18$

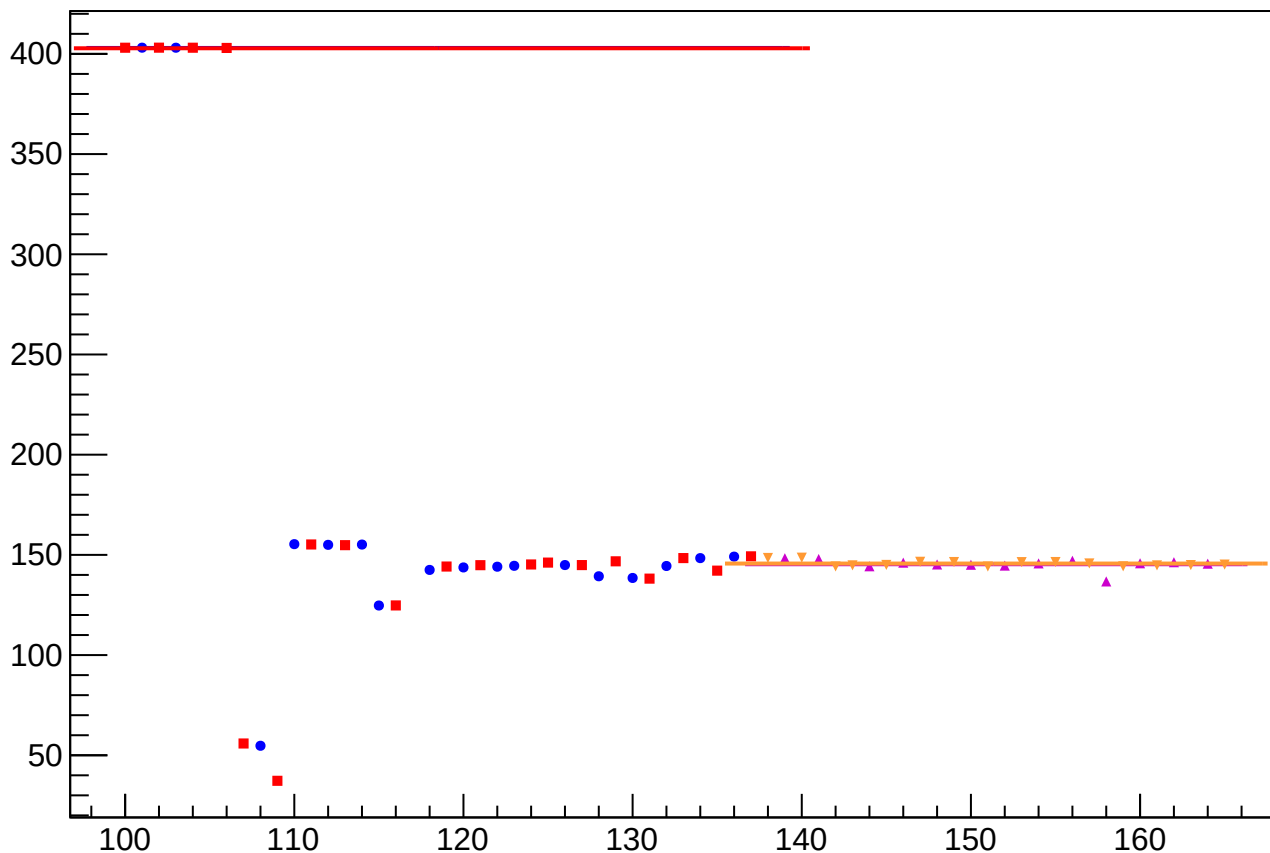
Left In: 0.411 ± 0.000 $\chi^2/\text{NDF}: 513062.9/12$

+ sign 0.372 ± 0.000 $\chi^2/\text{NDF}: 2336537.1/31$

All: 0.373 ± 0.000 $\chi^2/\text{NDF}: 4347698.1/63$

- sign 0.375 ± 0.000 $\chi^2/\text{NDF}: 2010452.4/31$

yield_cav4bQ_mean vs Slug



Right In: 402.958 $\pm$ 0.000 χ^2 /NDF: 1094364588383.4/16

Left Out: 145.669 $\pm$ 0.000 χ^2 /NDF: 40830239.6/14

Right Out: 402.799 $\pm$ 0.000 χ^2 /NDF: 3102036567767.5/18

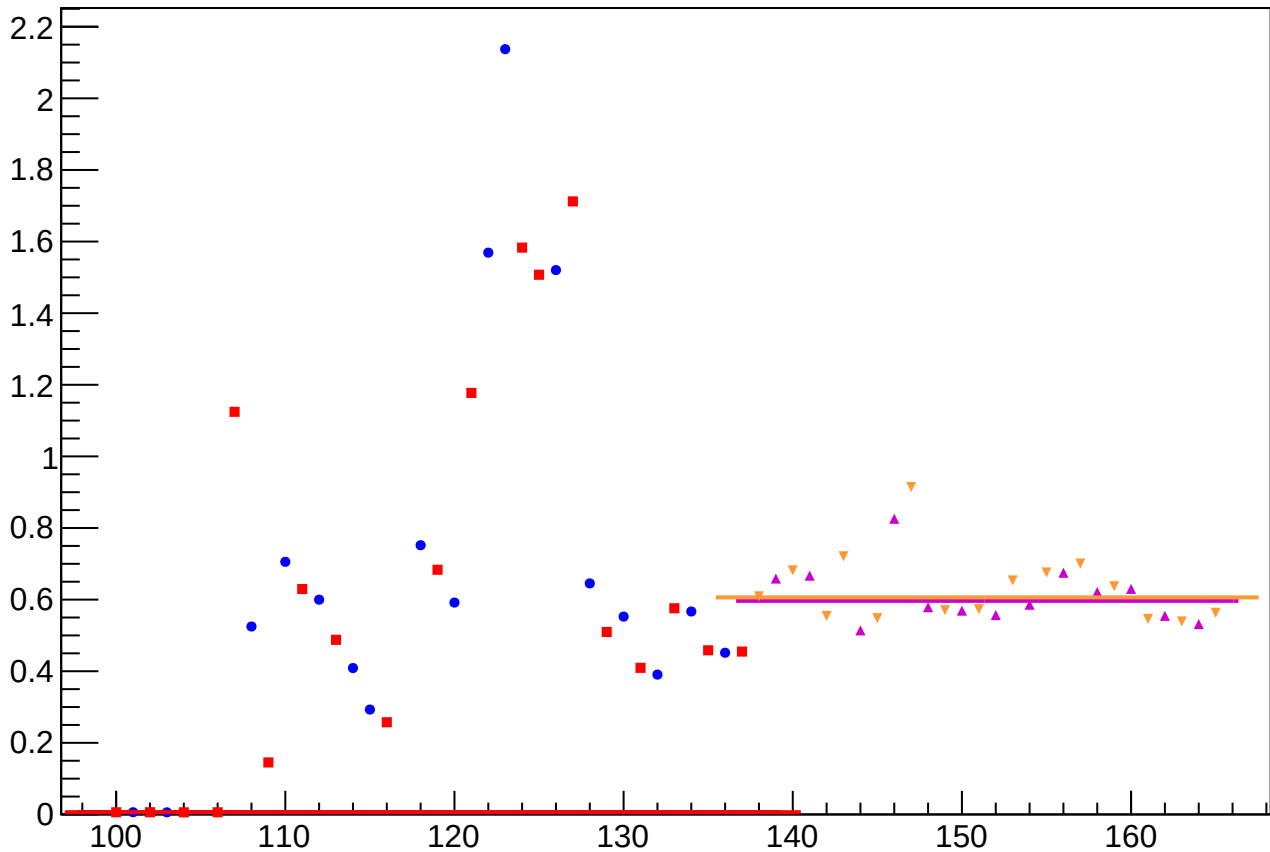
Left In: 145.326 $\pm$ 0.000 χ^2 /NDF: 129722791.8/12

+ sign 402.782 $\pm$ 0.000 χ^2 /NDF: 2503767336654.2

All: 402.713 $\pm$ 0.000 χ^2 /NDF: 694141690400

- sign 402.652 $\pm$ 0.000 χ^2 /NDF: 4437369776047.8

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.606+/-0.000 χ^2/NDF : 254786.9/14

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

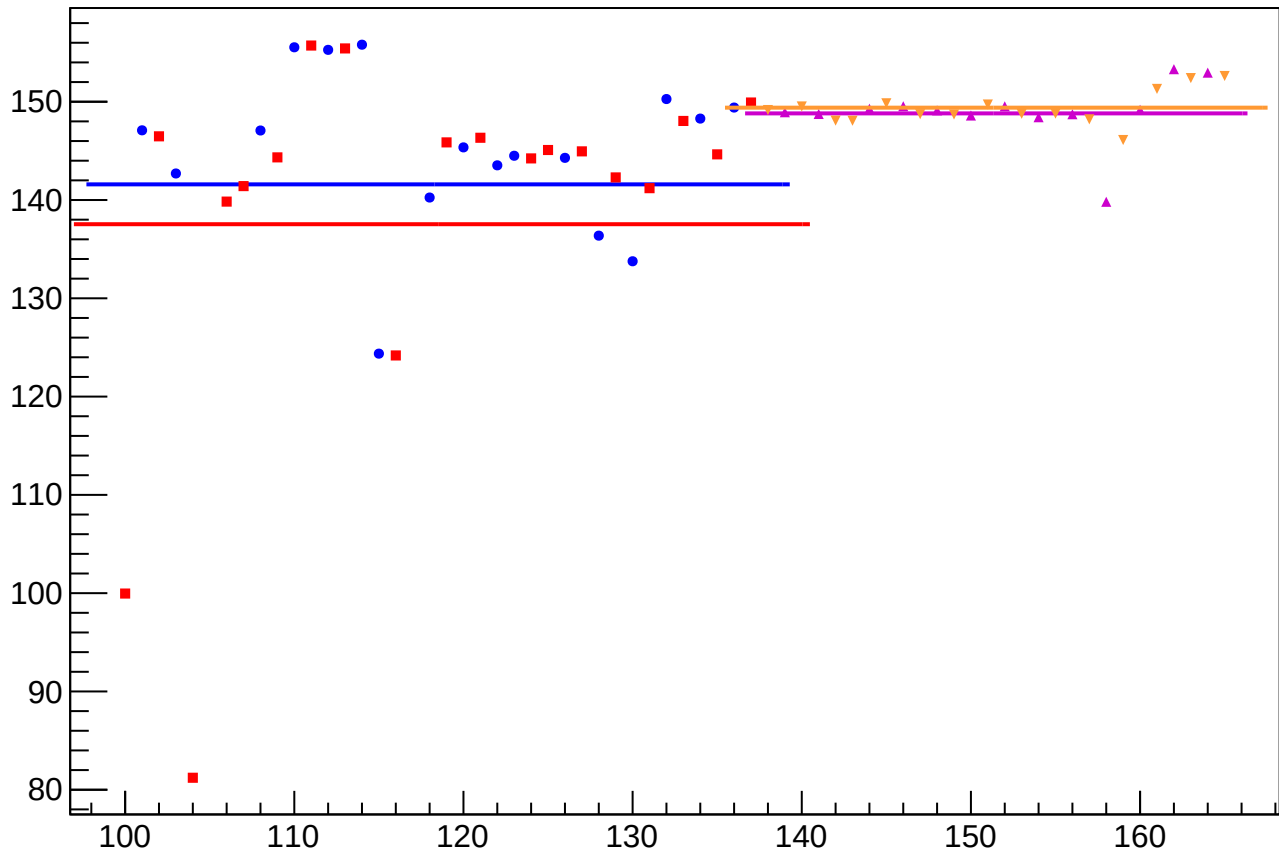
Left In: 0.597+/-0.000 χ^2/NDF : 186958.5/12

+ sign 0.007+/-0.000 χ^2/NDF : 24657026.5/31

All: 0.007+/-0.000 χ^2/NDF : 48069478.5/63

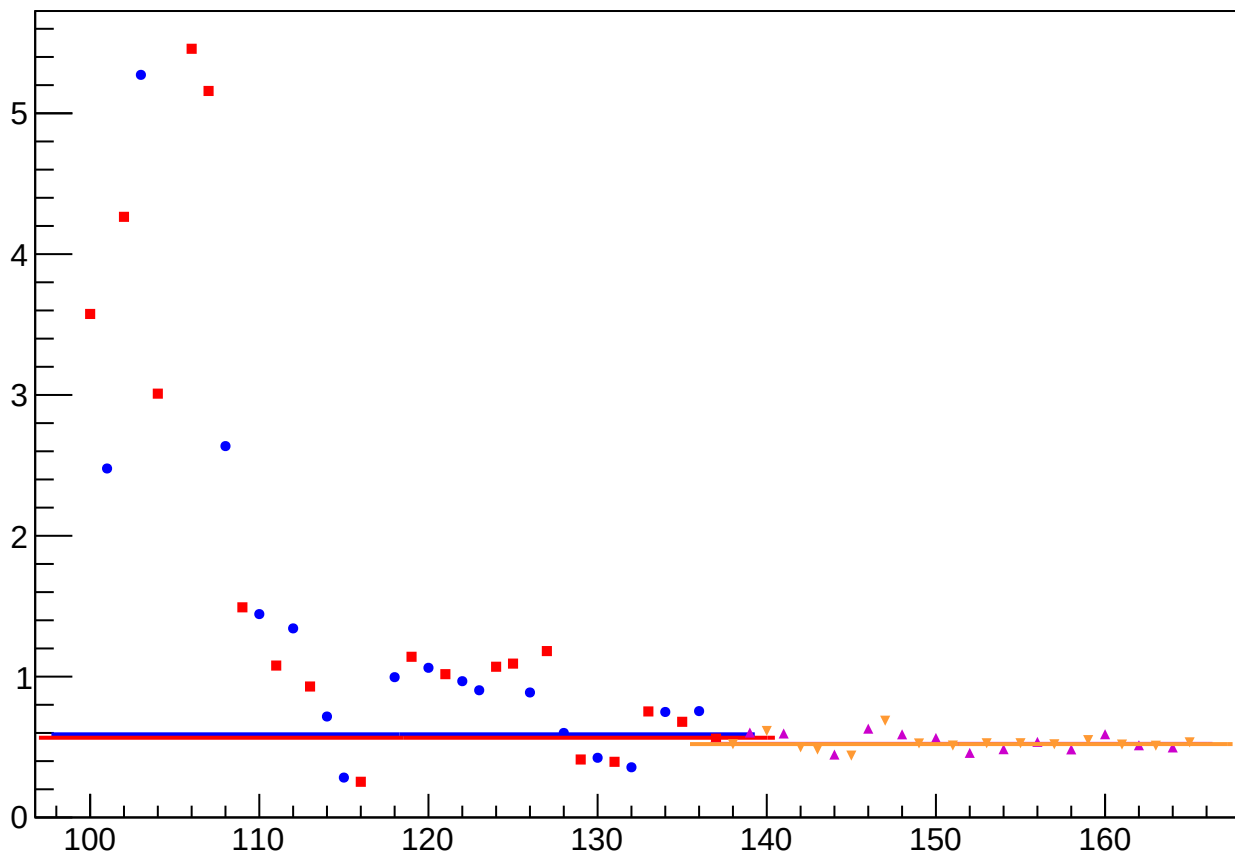
- sign 0.007+/-0.000 χ^2/NDF : 23412222.7/31

yield_cav4cQ_mean vs Slug



Right In: 141.593+/-0.000	χ^2/NDF : 980101868.2/16	+ sign 147.691+/-0.000	χ^2/NDF : 1564033958.6/31
Left Out: 149.396+/-0.000	χ^2/NDF : 103581306.8/14	All: 146.907+/-0.000	χ^2/NDF : 4315139883.6
Right Out: 137.539+/-0.000	χ^2/NDF : 1316096307.7/18	- sign 146.081+/-0.000	χ^2/NDF : 2692752085.1/31
Left In: 148.813+/-0.000	χ^2/NDF : 353701819.3/12		

yield_cav4cQ_rms vs Slug



Right In: 0.590 ± 0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.521 ± 0.000 χ^2/NDF : 169664.5/14

Right Out: 0.566 ± 0.000 χ^2/NDF : 4683596.4/18

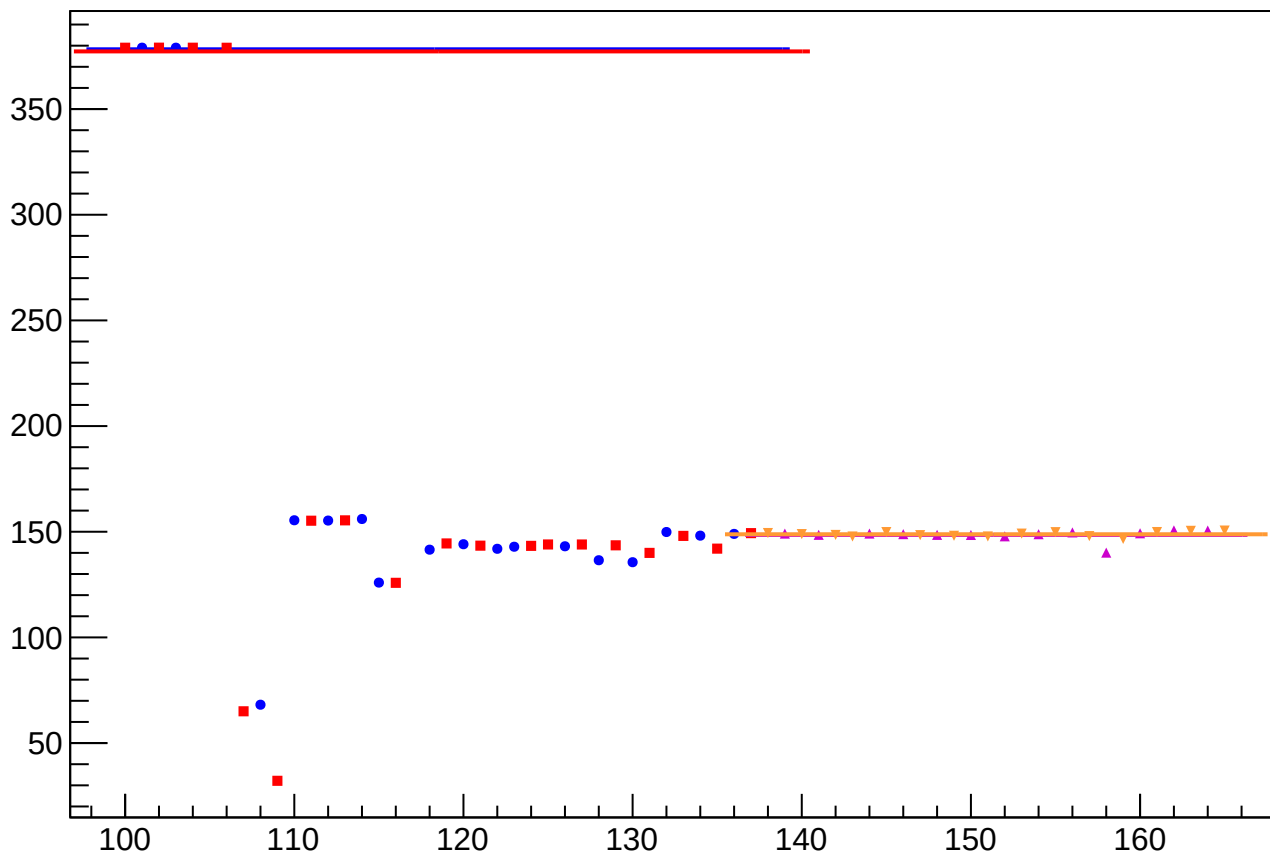
Left In: 0.523 ± 0.000 χ^2/NDF : 222634.4/12

+ sign 0.536 ± 0.000 χ^2/NDF : 3737440.9/31

All: 0.535 ± 0.000 χ^2/NDF : 8674602.0/63

- sign 0.533 ± 0.000 χ^2/NDF : 4936751.7/31

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.795+/-0.000 χ^2/NDF : 57486667.1/14

Right Out: 377.287+/-0.000 χ^2/NDF : 8286303106836.4/18

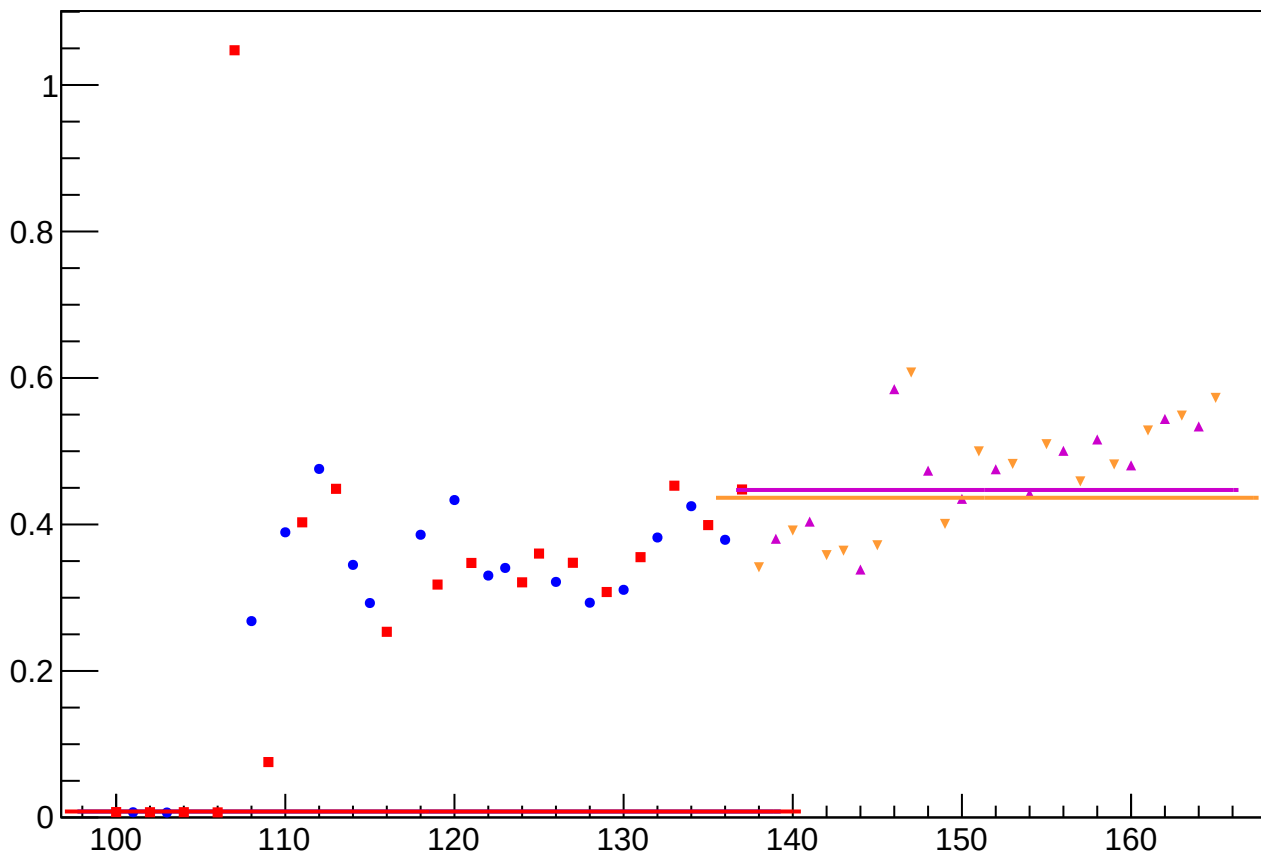
Left In: 148.502+/-0.000 χ^2/NDF : 232920809.0/12

+ sign 377.342+/-0.000 χ^2/NDF : 5381734830287.7

All: 376.922+/-0.000 χ^2/NDF : 162241273978

- sign 376.553+/-0.000 χ^2/NDF : 10837951179383.4

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.436 $\pm$ 0.000 χ^2 /NDF:661339.0/14

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9522827.2/18

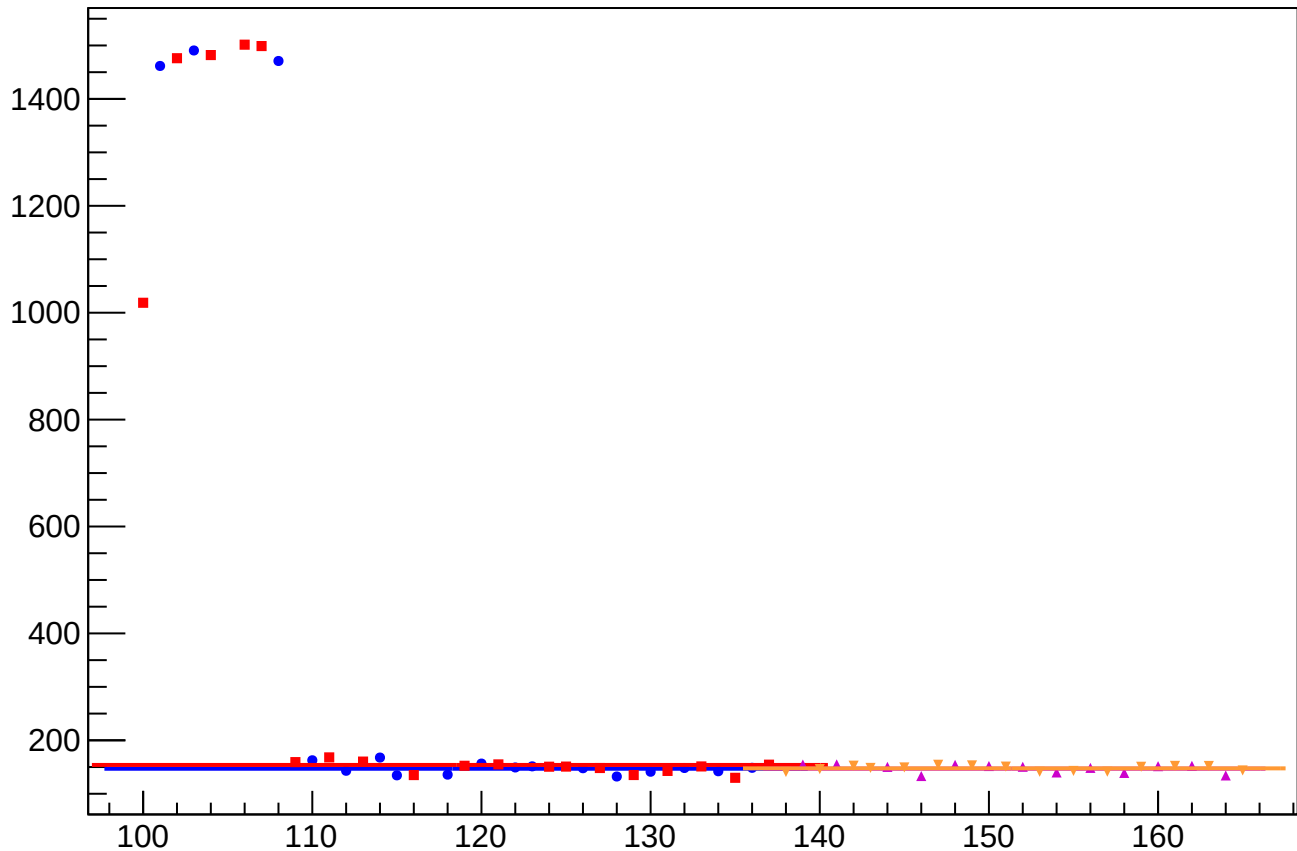
Left In: 0.447 $\pm$ 0.000 χ^2 /NDF:465021.9/12

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 30487264.2/31

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 59260938.8/63

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 28772210.8/31

yield_bcm0l02_mean vs Slug



Right In: 146.819 $\pm$ 0.000 χ^2 /NDF: 24360774977.7/16

Left Out: 147.517 $\pm$ 0.000 χ^2 /NDF: 253909128.5/14

Right Out: 153.901 $\pm$ 0.000 χ^2 /NDF: 33737565970.8/18

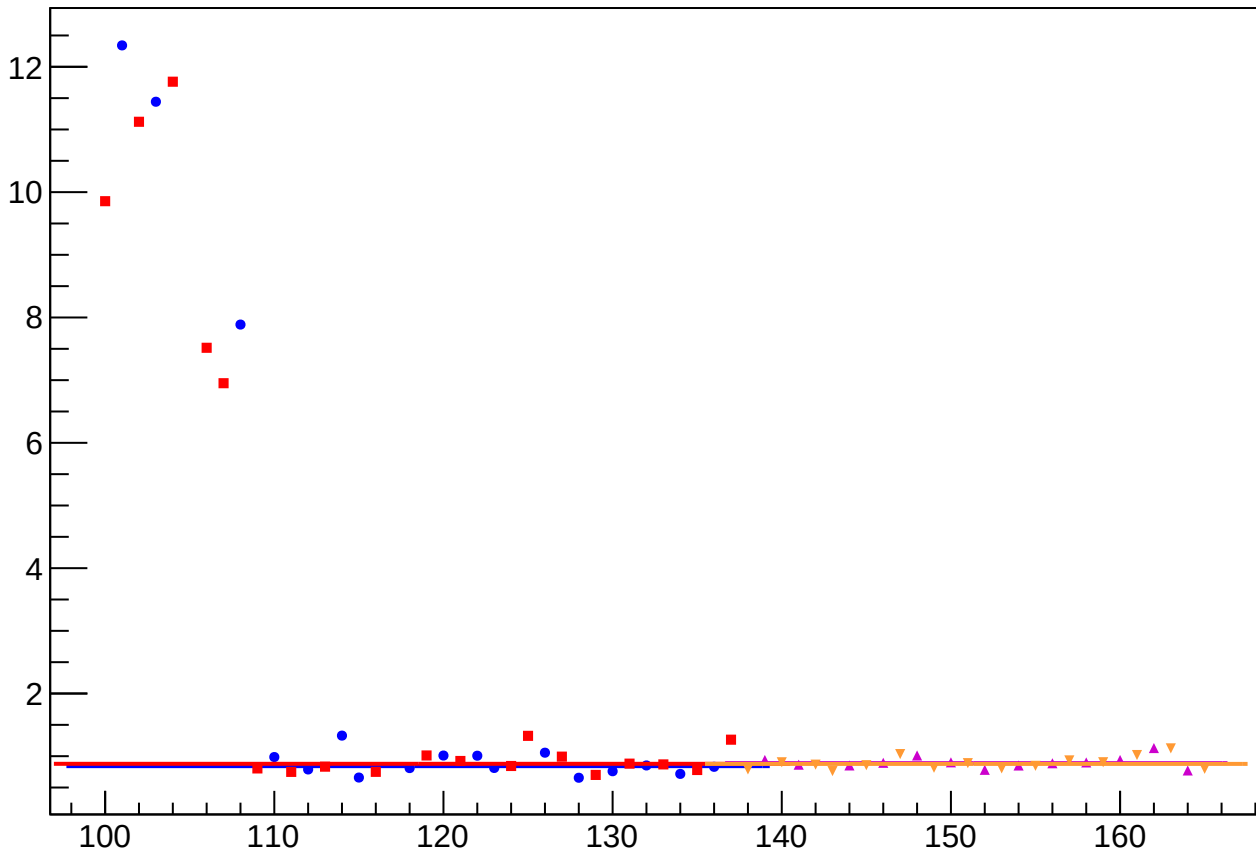
Left In: 146.932 $\pm$ 0.000 χ^2 /NDF: 594356132.7/12

+ sign 147.295 $\pm$ 0.000 χ^2 /NDF: 24616450981.6/31

All: 148.252 $\pm$ 0.000 χ^2 /NDF: 59150703075.

- sign 149.271 $\pm$ 0.000 χ^2 /NDF: 34502550633.7/31

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.877 ± 0.000 χ^2/NDF : 194499.7/14

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

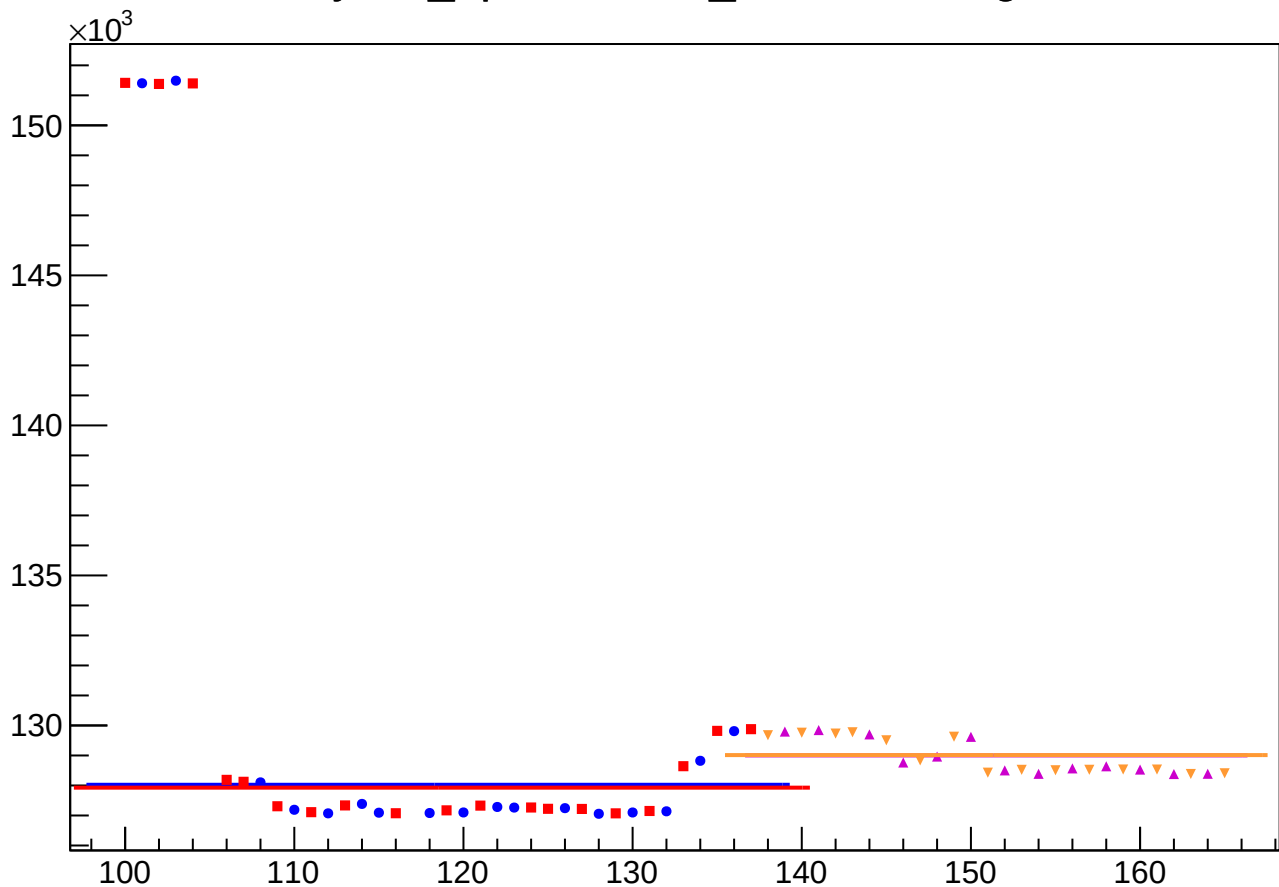
Left In: 0.889 ± 0.000 χ^2/NDF : 140580.1/12

+ sign 0.866 ± 0.000 χ^2/NDF : 2866225.4/31

All: 0.875 ± 0.000 χ^2/NDF : 5828852.3/63

- sign 0.886 ± 0.000 χ^2/NDF : 2956080.7/31

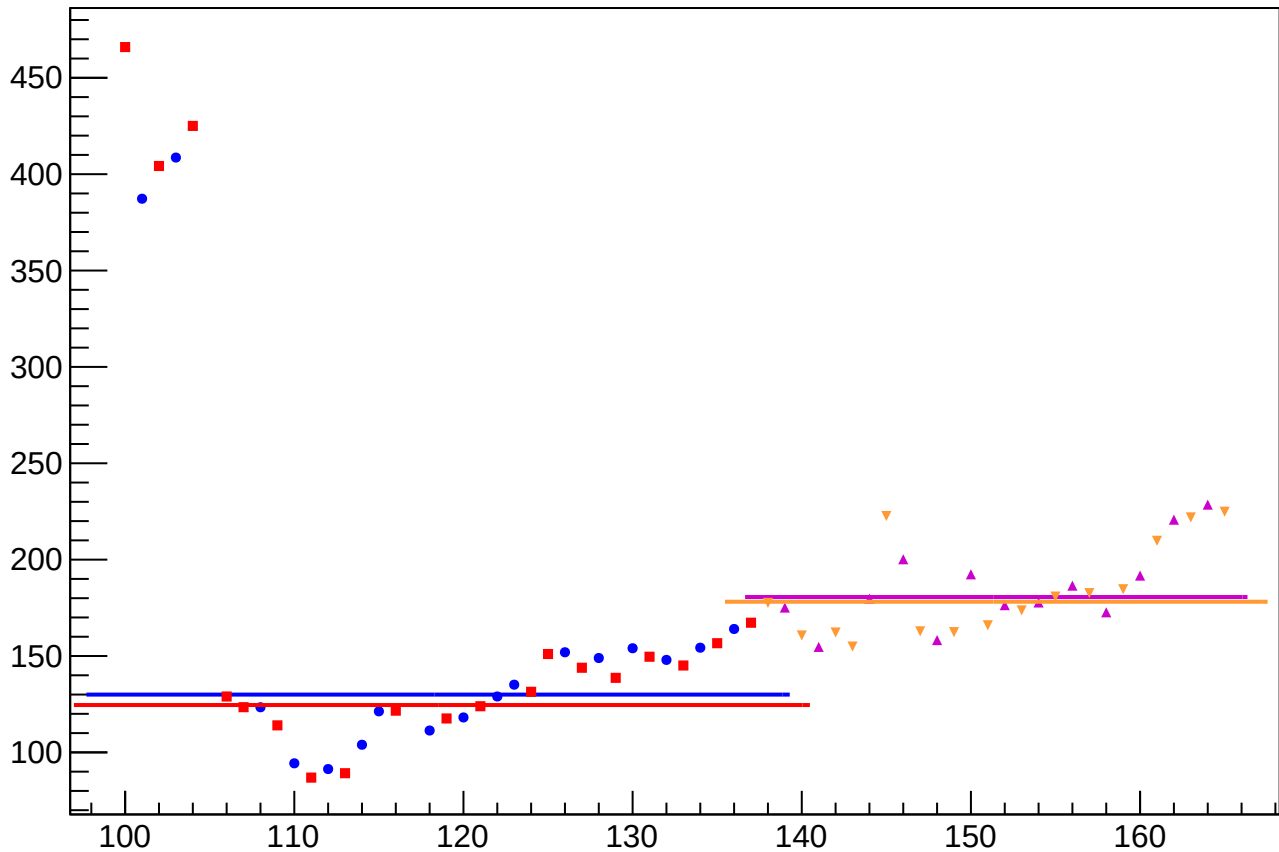
yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 ± 0.055 $\chi^2/\text{NDF}: 4316540586.9/16$
 Left Out: 129012.804 ± 0.054 $\chi^2/\text{NDF}: 114781589.8/14$
 Right Out: 127927.471 ± 0.050 $\chi^2/\text{NDF}: 3767047216.9/18$
 Left In: 129001.719 ± 0.057 $\chi^2/\text{NDF}: 101701188.7/12$

+ sign 128522.681 ± 0.038 $\chi^2/\text{NDF}: 4597337460.3$
 All: 128460.256 ± 0.027 $\chi^2/\text{NDF}: 867135143$
 - sign 128400.052 ± 0.038 $\chi^2/\text{NDF}: 4068819222.4$

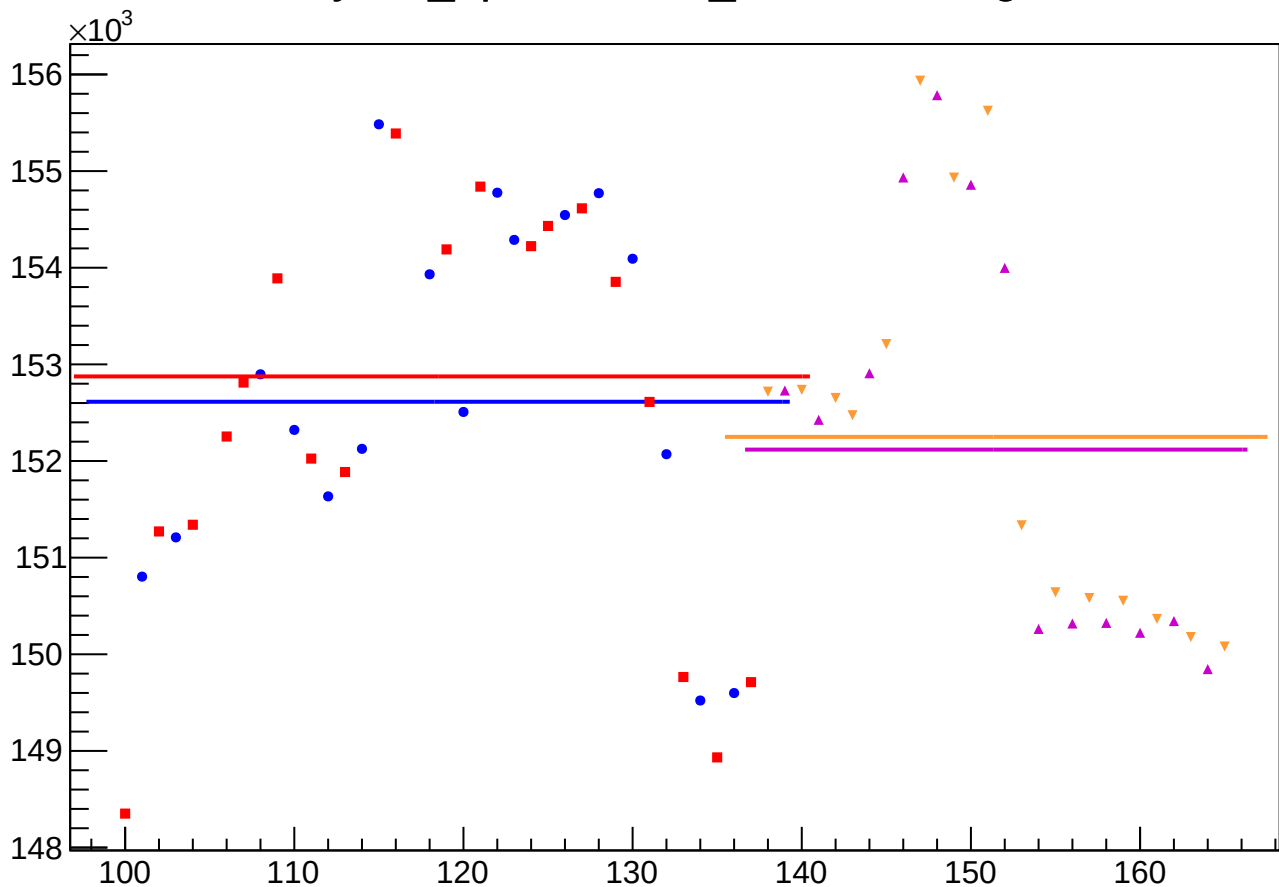
yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2/NDF : 1485519.5/16
 Left Out: 178.160 $\pm$ 0.038 χ^2/NDF : 307328.1/14
 Right Out: 124.566 $\pm$ 0.036 χ^2/NDF : 1531273.9/18
 Left In: 180.609 $\pm$ 0.040 χ^2/NDF : 214436.9/12

+ sign 154.290 $\pm$ 0.027 χ^2/NDF : 2580417.5/31
 All: 151.709 $\pm$ 0.019 χ^2/NDF : 5432940.5/63
 - sign 149.221 $\pm$ 0.027 χ^2/NDF : 2834768.7/31

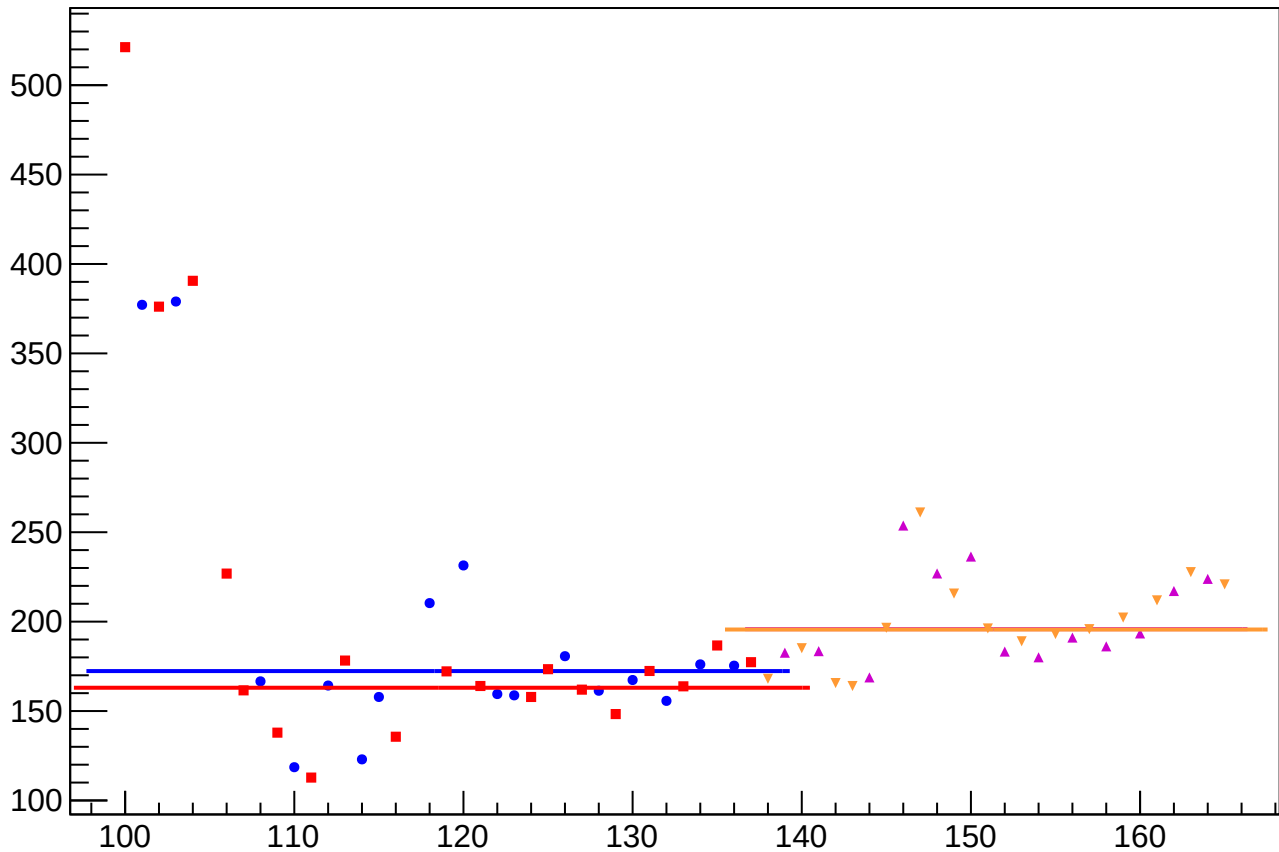
yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16
 Left Out: 152249.818 $\pm$ 0.059 χ^2 /NDF: 913985083.6/14
 Right Out: 152875.313 $\pm$ 0.066 χ^2 /NDF: 716358700.9/18
 Left In: 152118.026 $\pm$ 0.062 χ^2 /NDF: 946370263.6/12

+ sign 152396.598 $\pm$ 0.046 χ^2 /NDF: 1552403951.4
 All: 152434.457 $\pm$ 0.032 χ^2 /NDF: 328632243
 - sign 152471.117 $\pm$ 0.045 χ^2 /NDF: 1732581372.4

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 $\pm$ 0.051 χ^2 /NDF: 921911.1/16

Left Out: 195.592 $\pm$ 0.042 χ^2 /NDF: 290434.5/14

Right Out: 163.029 $\pm$ 0.047 χ^2 /NDF: 1032736.0/18

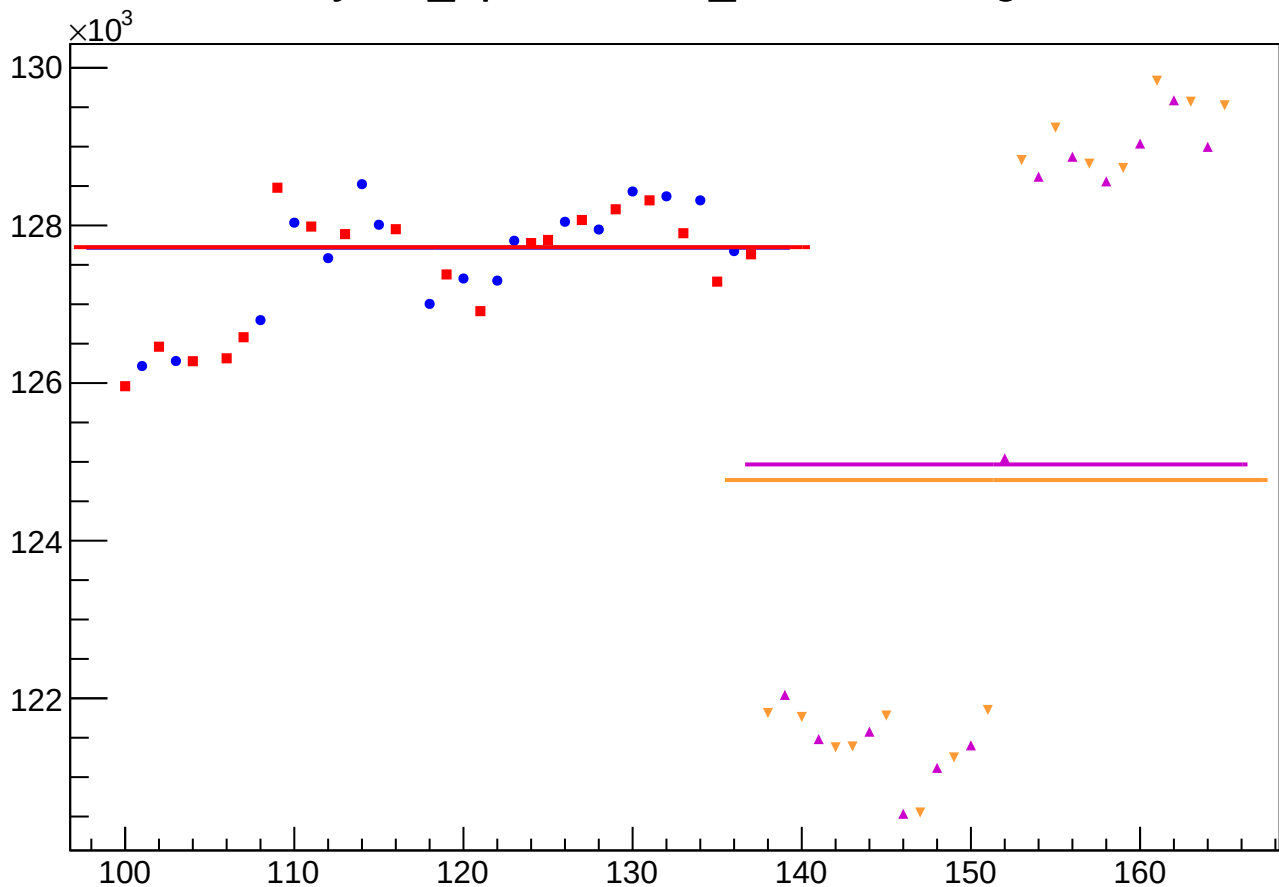
Left In: 195.803 $\pm$ 0.044 χ^2 /NDF: 278536.5/12

+ sign 186.202 $\pm$ 0.032 χ^2 /NDF: 1335625.5/31

All: 183.316 $\pm$ 0.023 χ^2 /NDF: 2924094.9/63

- sign 180.522 $\pm$ 0.032 χ^2 /NDF: 1572932.1/31

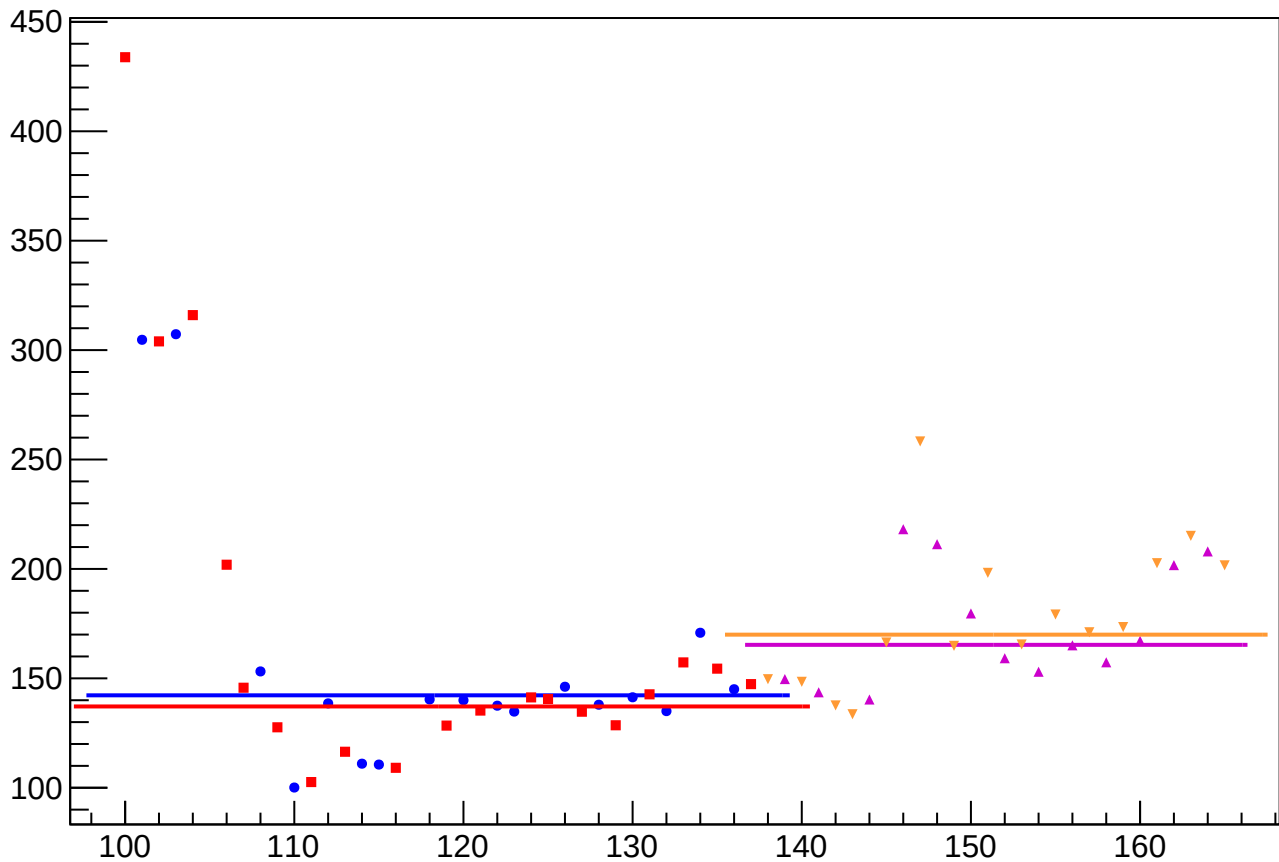
yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16
 Left Out: 124769.732 $\pm$ 0.052 χ^2 /NDF: 5195362902.4/14
 Right Out: 127724.519 $\pm$ 0.055 χ^2 /NDF: 112550604.4/18
 Left In: 124967.734 $\pm$ 0.053 χ^2 /NDF: 4546469106.4/12

+ sign 126085.611 $\pm$ 0.039 χ^2 /NDF: 6707108415.5
 All: 126194.362 $\pm$ 0.027 χ^2 /NDF: 12704996
 - sign 126297.181 $\pm$ 0.038 χ^2 /NDF: 5982713711.3/

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 ± 0.041 χ^2/NDF : 836415.1/16

Left Out: 169.967 ± 0.037 χ^2/NDF : 557700.6/14

Right Out: 137.151 ± 0.039 χ^2/NDF : 957730.8/18

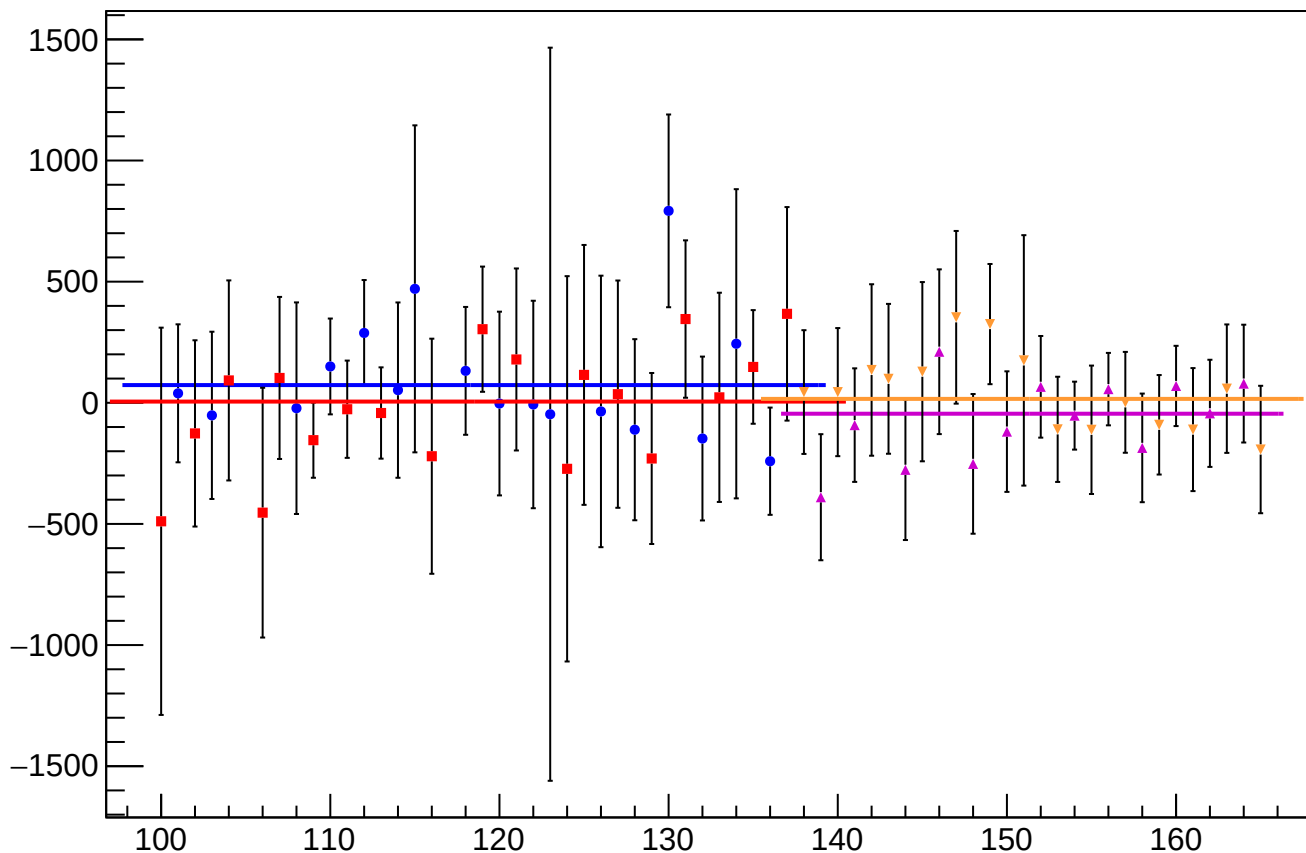
Left In: 165.306 ± 0.037 χ^2/NDF : 396652.5/12

+ sign 157.591 ± 0.028 χ^2/NDF : 1644704.5/31

All: 154.578 ± 0.019 χ^2/NDF : 3298526.3/63

- sign 151.729 ± 0.027 χ^2/NDF : 1630516.3/31

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 16.132+/-69.055 χ^2/NDF : 4.6/14

Right Out: 5.021+/-70.098 χ^2/NDF : 7.1/18

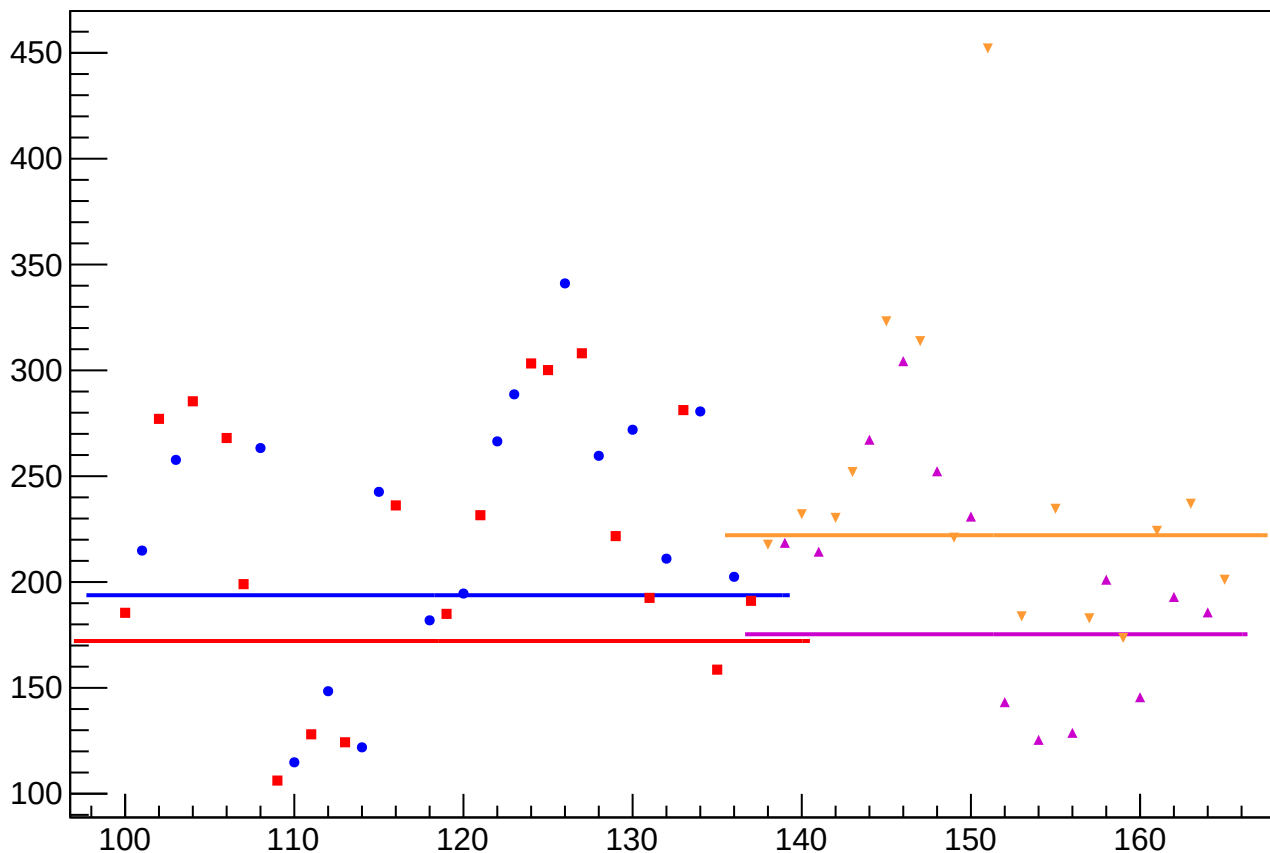
Left In: -45.101+/-58.347 χ^2/NDF : 5.5/12

+ sign 40.598+/-52.163 χ^2/NDF : 12.7/31

All: 3.116+/-34.006 χ^2/NDF : 26.5/63

- sign -24.588+/-44.845 χ^2/NDF : 12.9/31

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 222.119 $\pm$ 0.049 χ^2 /NDF: 969571.8/14

Right Out: 172.142 $\pm$ 0.050 χ^2 /NDF: 1580035.1/18

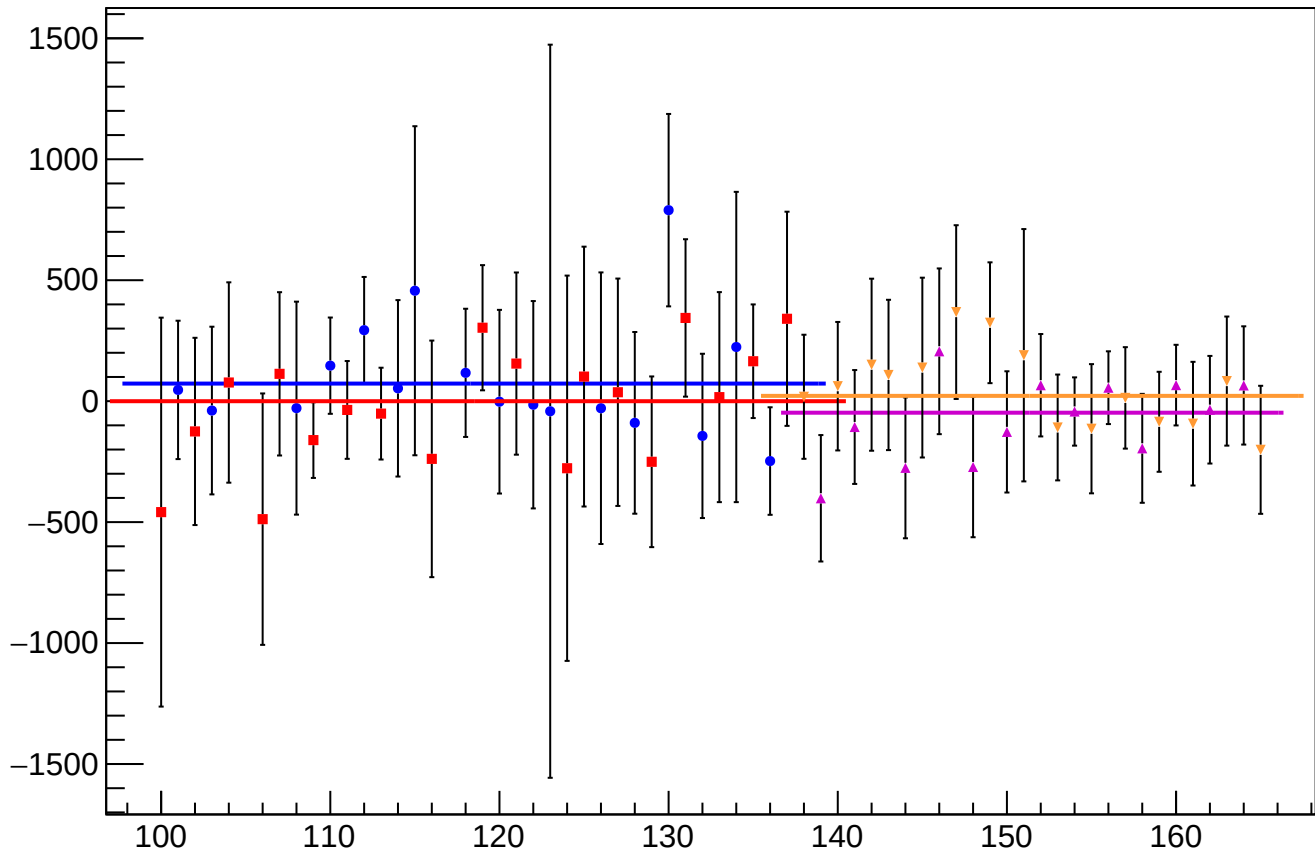
Left In: 175.330 $\pm$ 0.041 χ^2 /NDF: 1443203.9/12

+ sign 209.947 $\pm$ 0.037 χ^2 /NDF: 2131359.0/31

All: 189.292 $\pm$ 0.024 χ^2 /NDF: 5702407.9/63

- sign 174.025 $\pm$ 0.032 χ^2 /NDF: 3025683.3/31

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675 ± 79.992 χ^2/NDF : 7.8/16

Left Out: 21.896 ± 69.498 χ^2/NDF : 4.7/14

Right Out: -0.181 ± 70.467 χ^2/NDF : 7.3/18

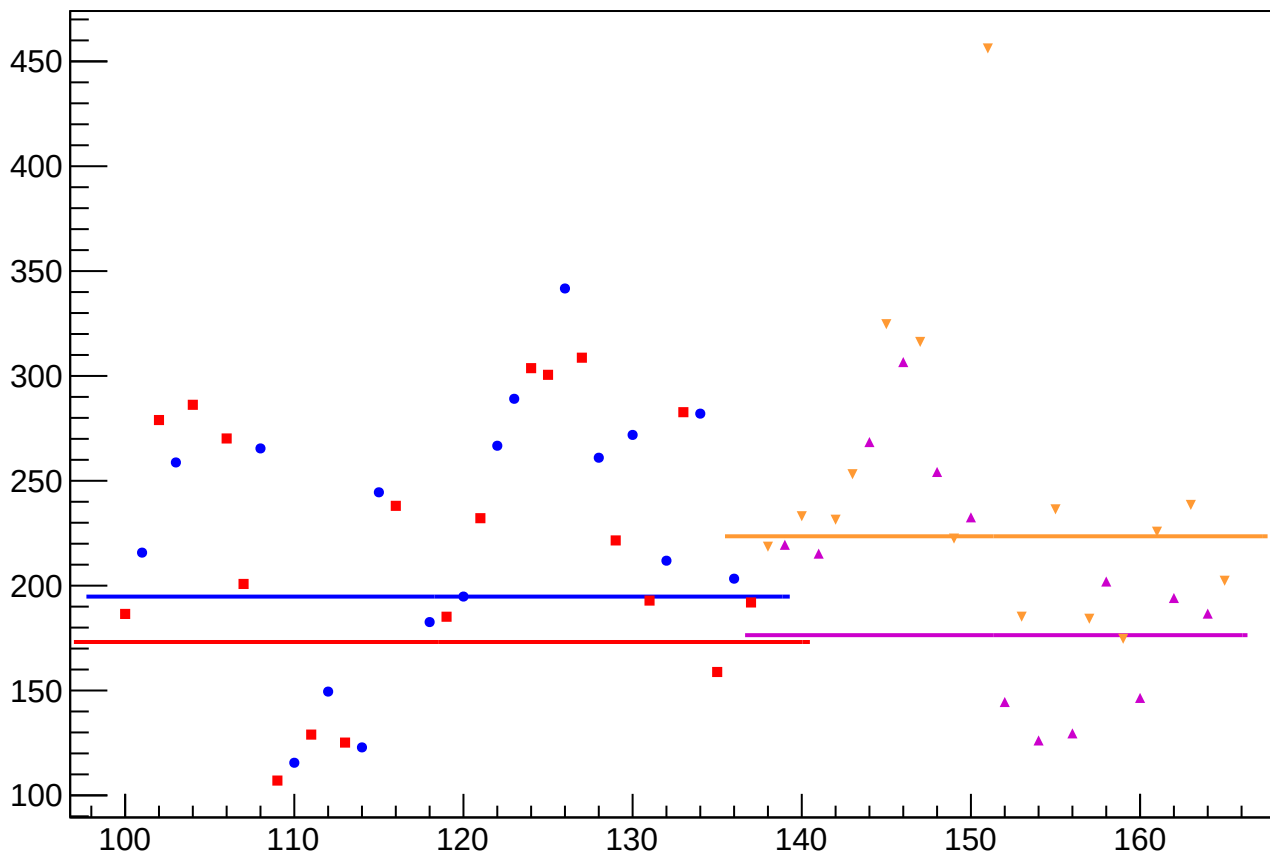
Left In: -47.721 ± 58.699 χ^2/NDF : 5.6/12

+ sign 43.738 ± 52.463 χ^2/NDF : 12.7/31

All: 2.345 ± 34.201 χ^2/NDF : 26.9/63

- sign -28.247 ± 45.101 χ^2/NDF : 13.2/31

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 223.536 $\pm$ 0.049 χ^2 /NDF: 969143.7/14

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

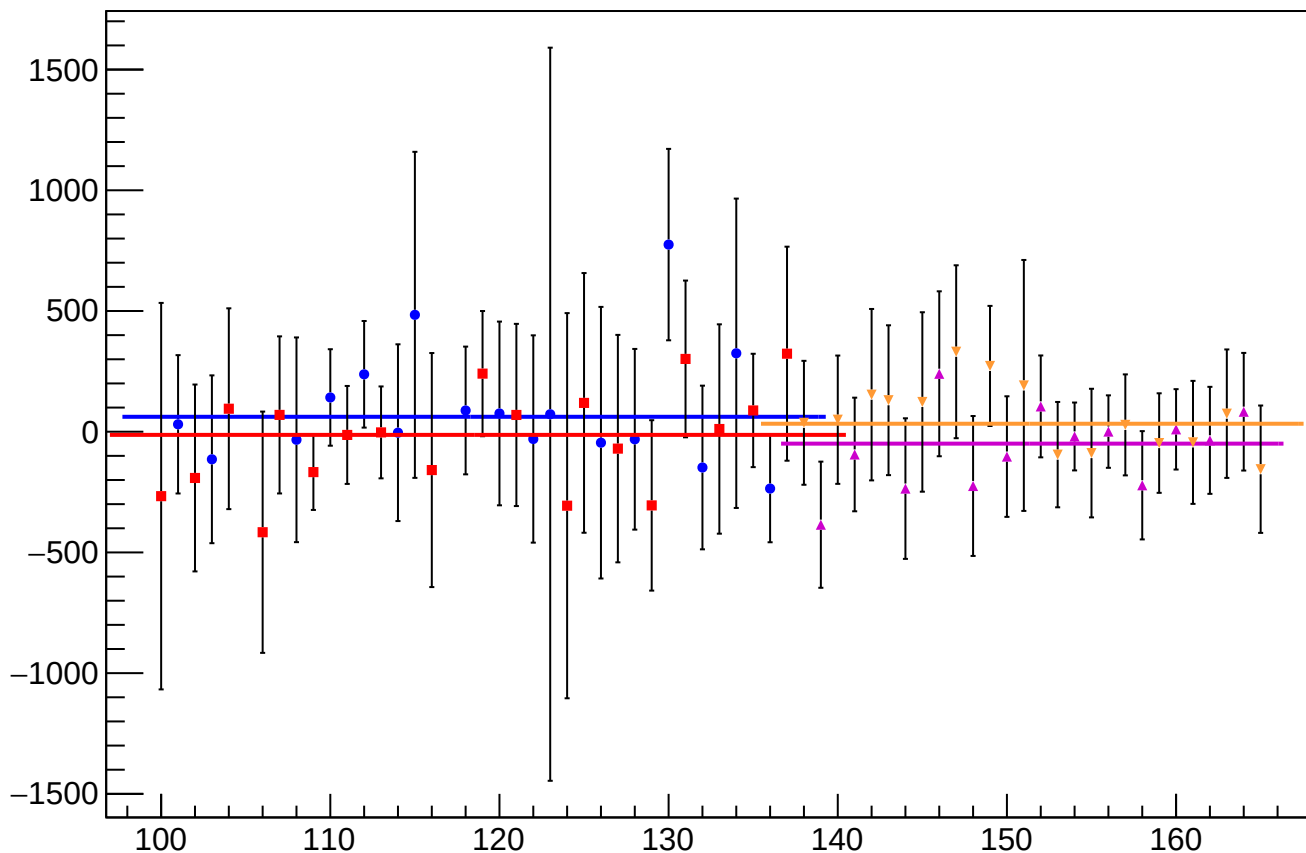
Left In: 176.389 $\pm$ 0.042 χ^2 /NDF: 1441070.9/12

+ sign 211.168 $\pm$ 0.037 χ^2 /NDF: 2124698.1/31

All: 190.402 $\pm$ 0.024 χ^2 /NDF: 5680774.8/63

- sign 175.055 $\pm$ 0.032 χ^2 /NDF: 3011150.8/31

asym_bcm_an_us_mean vs Slug



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 33.028 $\pm$ 69.344 χ^2 /NDF: 3.3/14

Right Out: -13.101 $\pm$ 70.391 χ^2 /NDF: 5.8/18

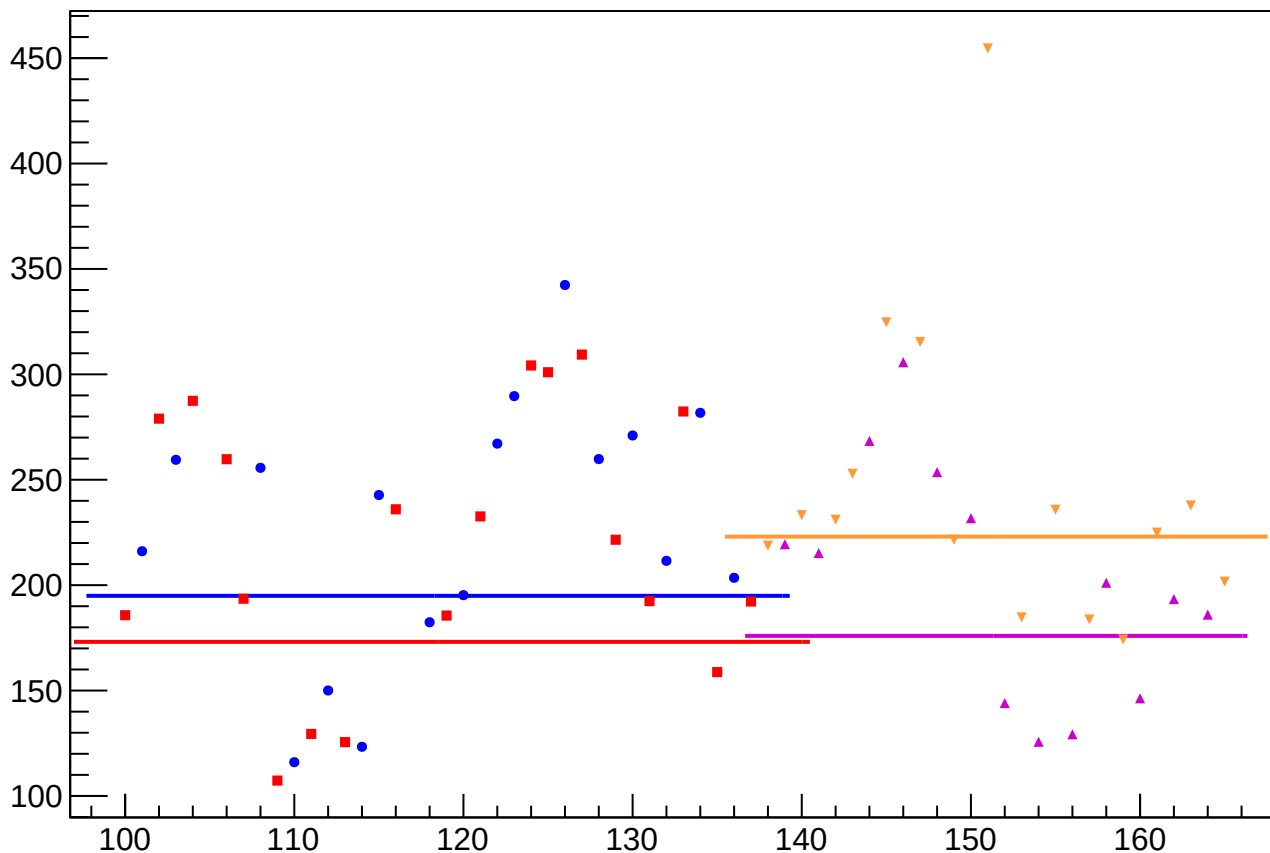
Left In: -49.383 $\pm$ 58.554 χ^2 /NDF: 4.9/12

+ sign 45.380 $\pm$ 52.395 χ^2 /NDF: 10.7/31

All: -0.603 $\pm$ 34.144 χ^2 /NDF: 22.8/63

- sign -34.545 $\pm$ 45.015 χ^2 /NDF: 10.9/31

asym_bcm_an_us_rms vs Slug



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 223.030 $\pm$ 0.049 χ^2 /NDF: 970858.1/14

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

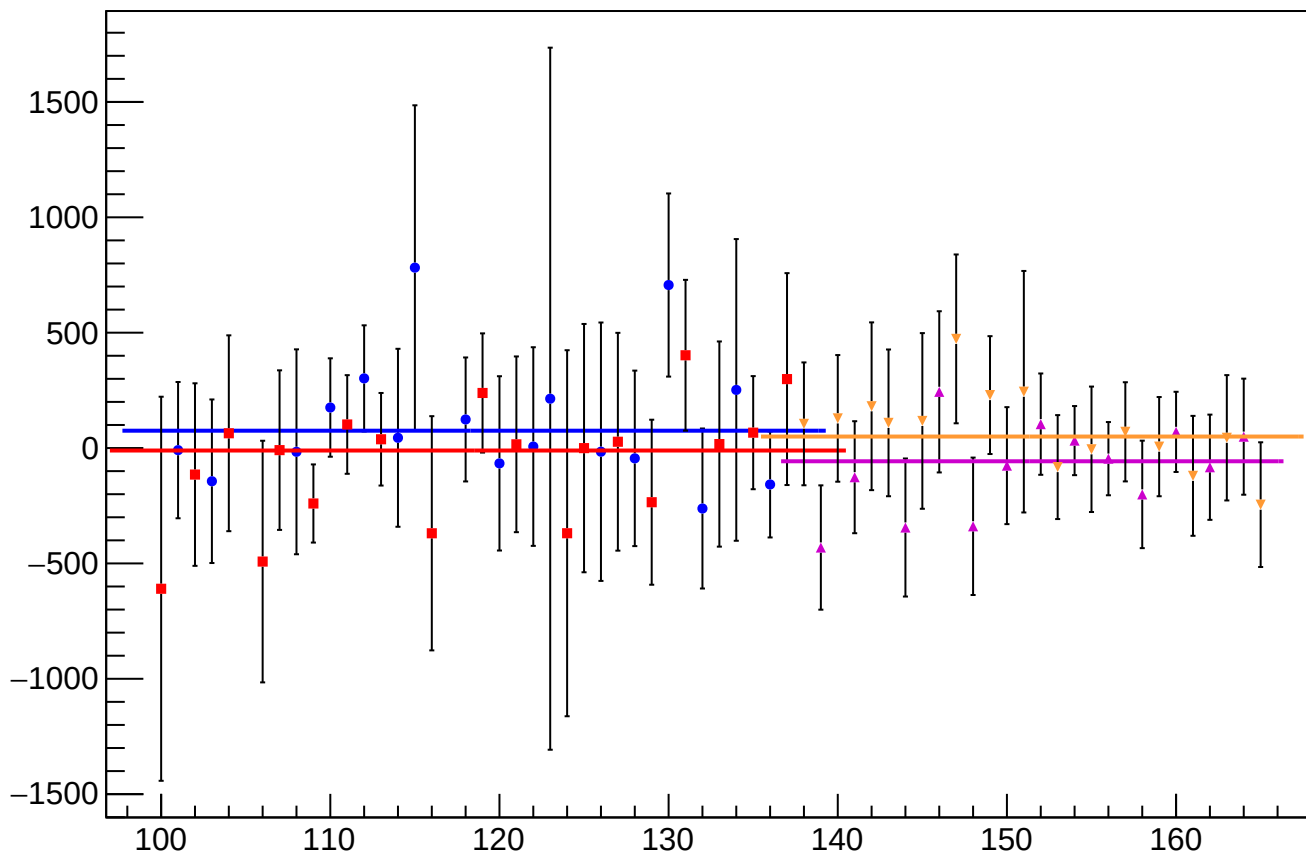
Left In: 175.939 $\pm$ 0.041 χ^2 /NDF: 1444387.9/12

+ sign 210.976 $\pm$ 0.037 χ^2 /NDF: 2098322.9/31

All: 190.153 $\pm$ 0.024 χ^2 /NDF: 5638460.4/63

- sign 174.781 $\pm$ 0.032 χ^2 /NDF: 2991022.2/31

asym_bcm_dg_us_mean vs Slug



Right In: 75.207+/-82.504 χ^2/NDF : 7.6/16

Left Out: 49.874+/-71.285 χ^2/NDF : 4.4/14

Right Out: -10.674+/-73.338 χ^2/NDF : 7.8/18

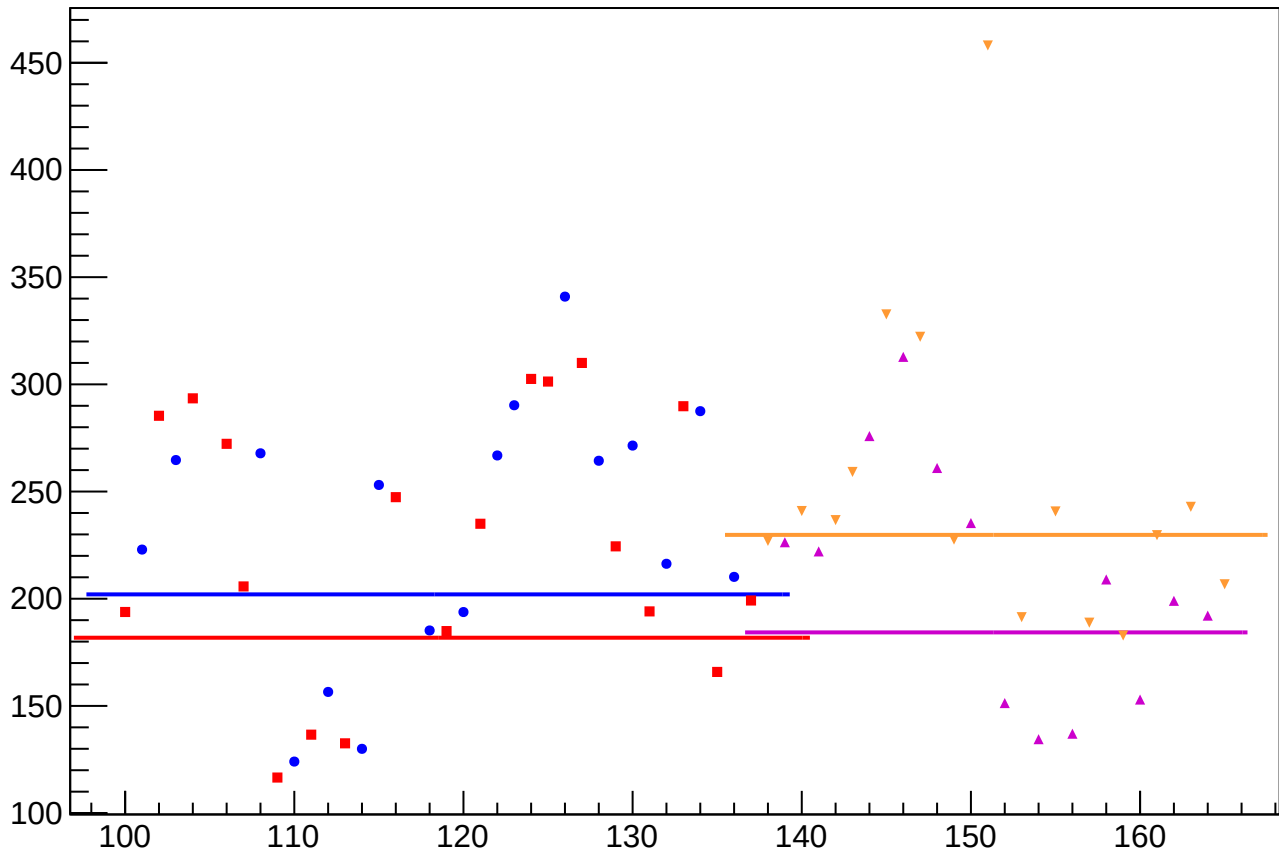
Left In: -57.267+/-61.015 χ^2/NDF : 6.6/12

+ sign 60.702+/-53.940 χ^2/NDF : 12.0/31

All: 4.380+/-35.394 χ^2/NDF : 28.6/63

- sign -38.208+/-46.905 χ^2/NDF : 14.7/31

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 229.781 $\pm$ 0.050 χ^2 /NDF: 924100.7/14

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

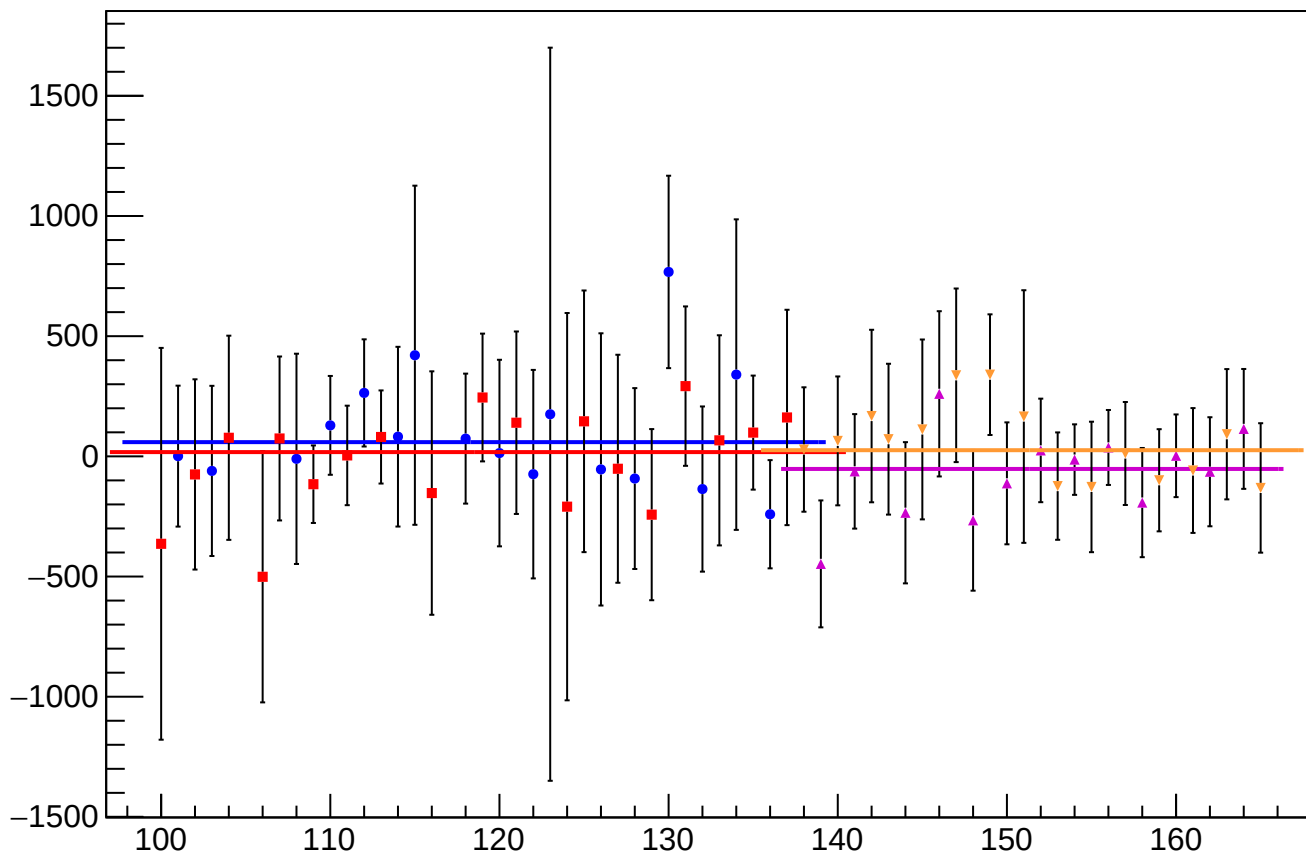
Left In: 184.295 $\pm$ 0.043 χ^2 /NDF: 1310588.5/12

+ sign 217.919 $\pm$ 0.038 χ^2 /NDF: 1935274.4/31

All: 198.194 $\pm$ 0.025 χ^2 /NDF: 5094438.8/63

- sign 183.279 $\pm$ 0.033 χ^2 /NDF: 2689480.9/31

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 25.633 $\pm$ 70.561 χ^2 /NDF: 4.3/14

Right Out: 17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

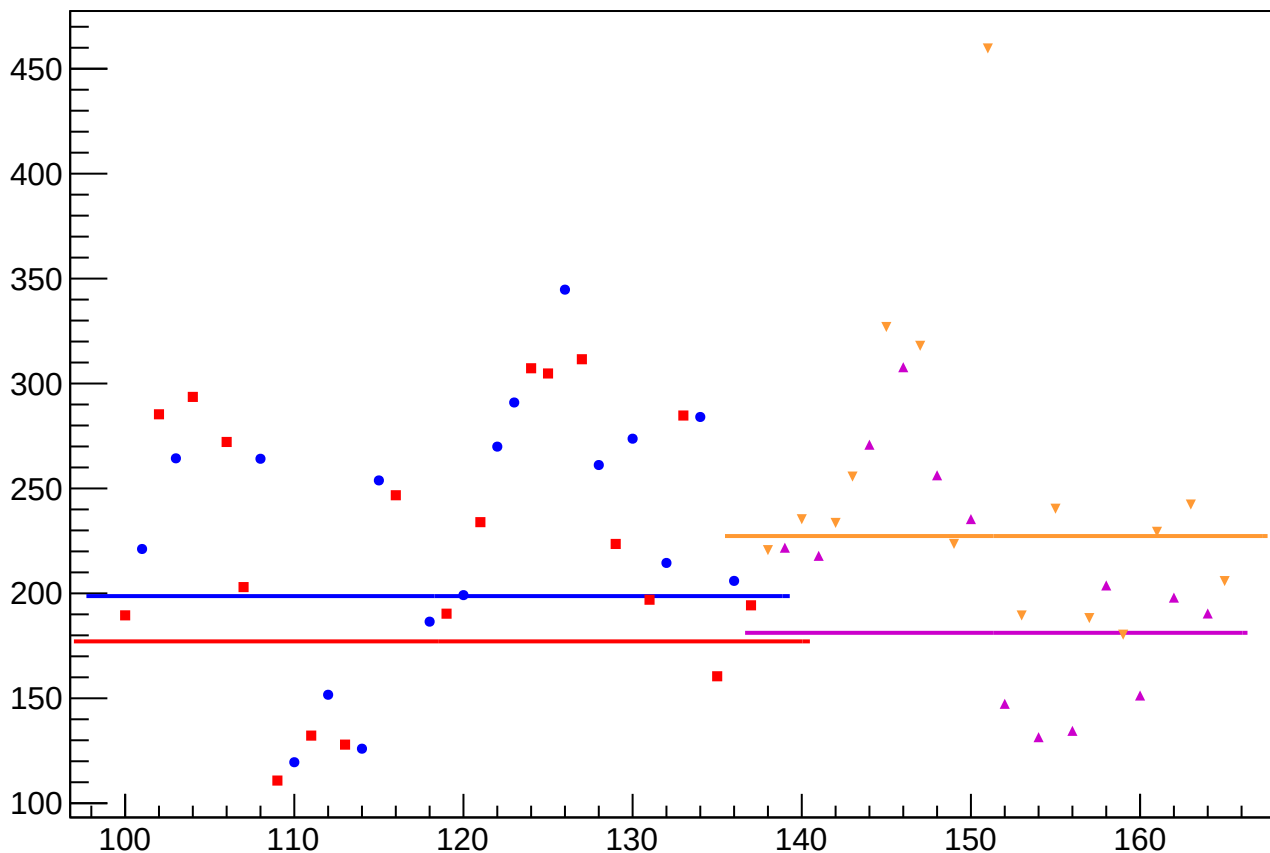
Left In: -52.381 $\pm$ 60.078 χ^2 /NDF: 5.5/12

+ sign 40.020 $\pm$ 53.322 χ^2 /NDF: 11.5/31

All: 3.639 $\pm$ 34.875 χ^2 /NDF: 23.0/63

- sign -23.557 $\pm$ 46.102 χ^2 /NDF: 10.7/31

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 227.319 $\pm$ 0.050 χ^2 /NDF: 924637.4/14

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

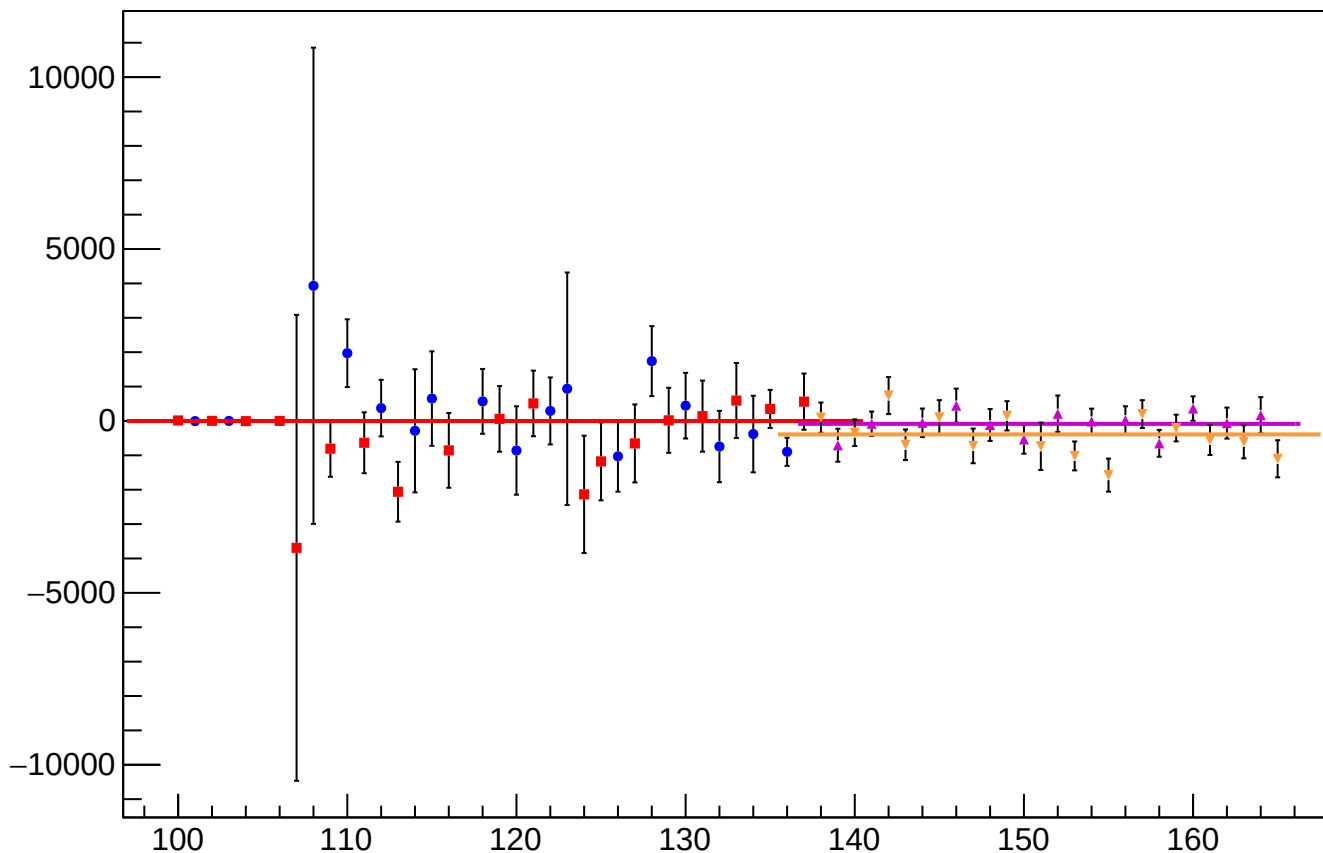
Left In: 181.204 $\pm$ 0.042 χ^2 /NDF: 1327058.2/12

+ sign 215.045 $\pm$ 0.038 χ^2 /NDF: 2029118.6/31

All: 194.720 $\pm$ 0.025 χ^2 /NDF: 5392652.1/63

- sign 179.527 $\pm$ 0.033 χ^2 /NDF: 2855738.6/31

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -390.988 ± 118.196 χ^2/NDF : 22.1/14

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.4/18

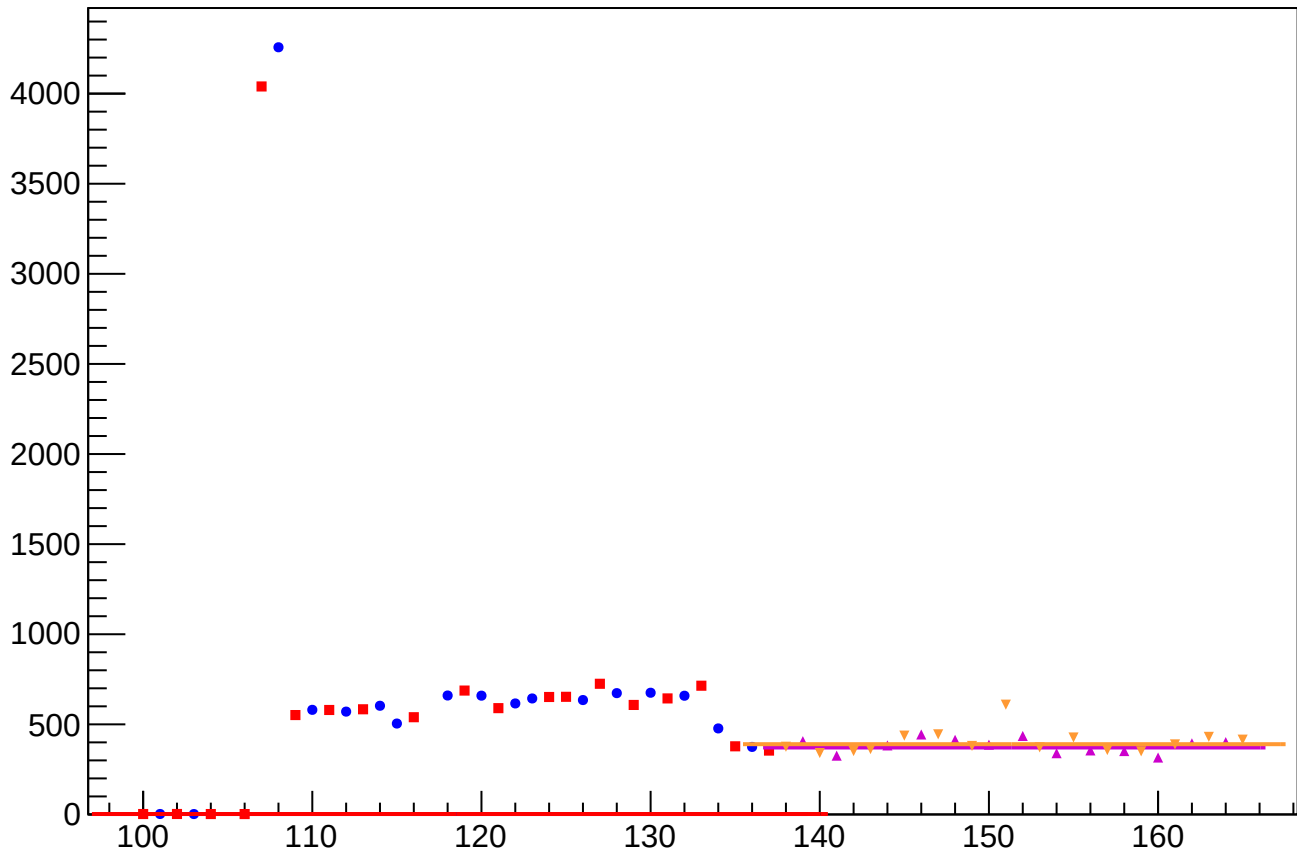
Left In: -85.230 ± 117.488 χ^2/NDF : 8.3/12

+ sign -1.670 ± 2.251 χ^2/NDF : 49.6/31

All: -1.185 ± 1.540 χ^2/NDF : 76.9/63

- sign -0.759 ± 2.111 χ^2/NDF : 27.2/31

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 389.914+/-0.084 χ^2/NDF : 364353.9/14

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

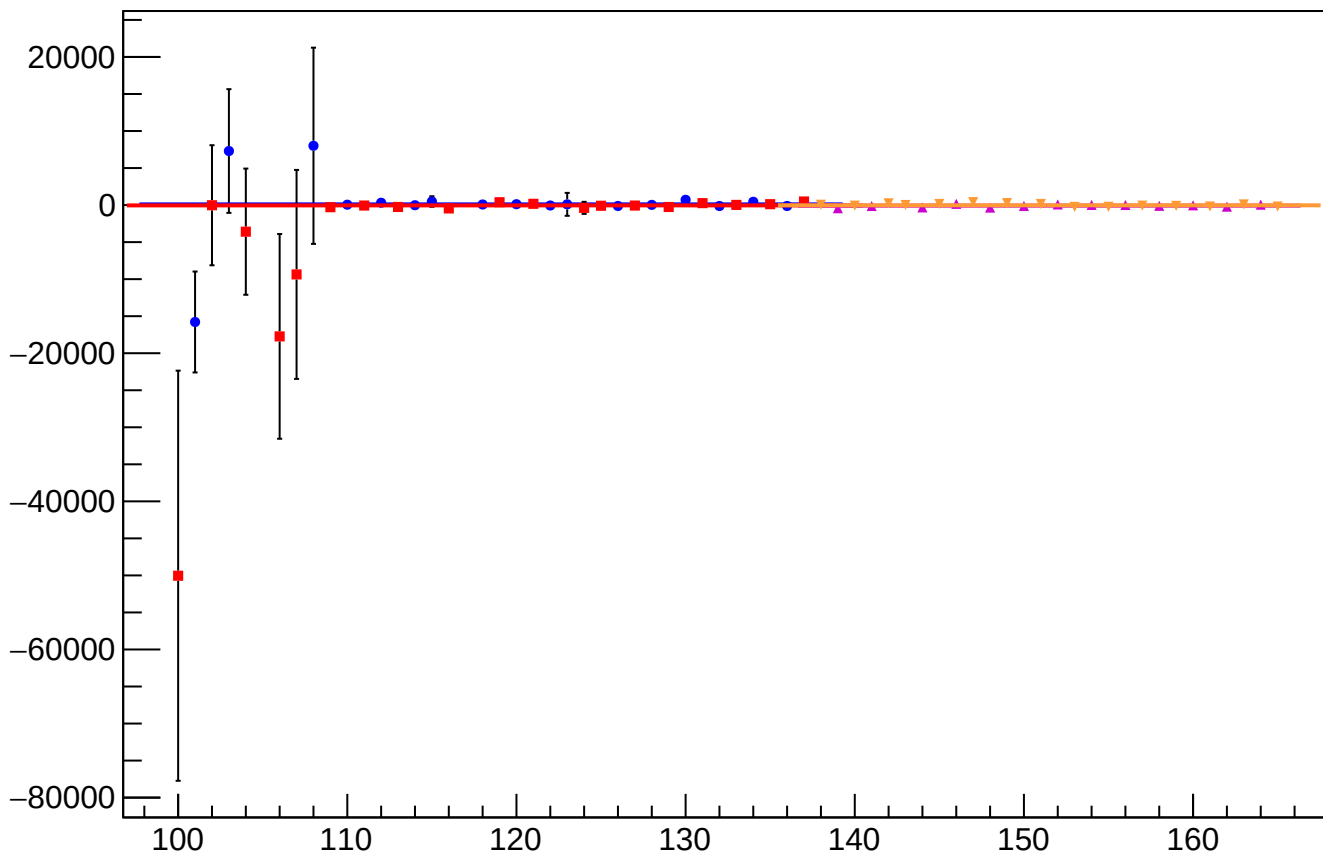
Left In: 371.543+/-0.083 χ^2/NDF : 219804.1/12

+ sign 2.597+/-0.002 χ^2/NDF : 32554943.8/31

All: 2.575+/-0.001 χ^2/NDF : 63648954.2/63

- sign 2.556+/-0.001 χ^2/NDF : 31093659.7/31

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -30.374+/-73.797 χ^2/NDF : 5.8/14

Right Out: -42.617+/-84.547 χ^2/NDF : 14.0/18

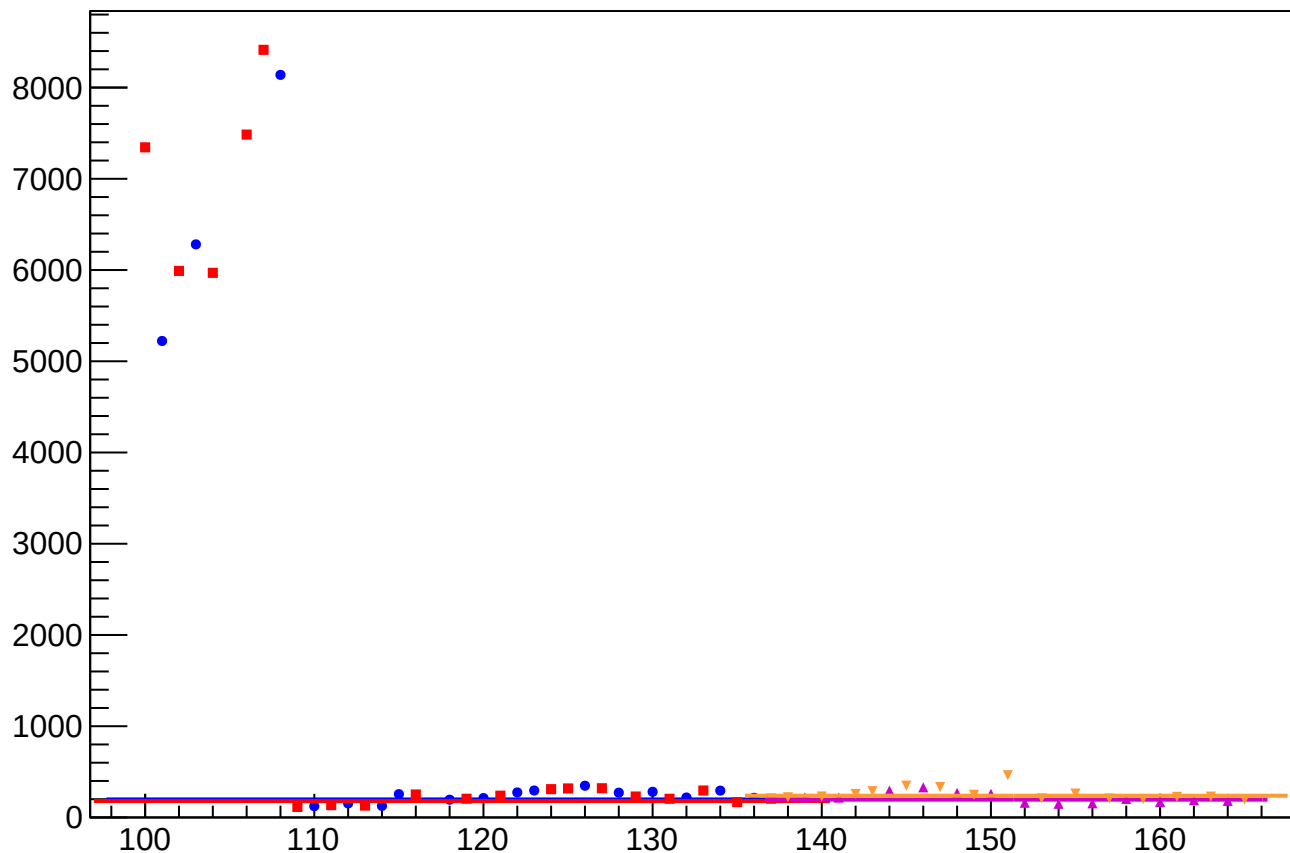
Left In: -74.630+/-64.053 χ^2/NDF : 5.4/12

+ sign 19.040+/-57.494 χ^2/NDF : 18.9/31

All: -26.804+/-38.176 χ^2/NDF : 39.5/63

- sign -62.956+/-51.055 χ^2/NDF : 19.5/31

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 238.425+/-0.052 χ^2/NDF : 884674.8/14

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

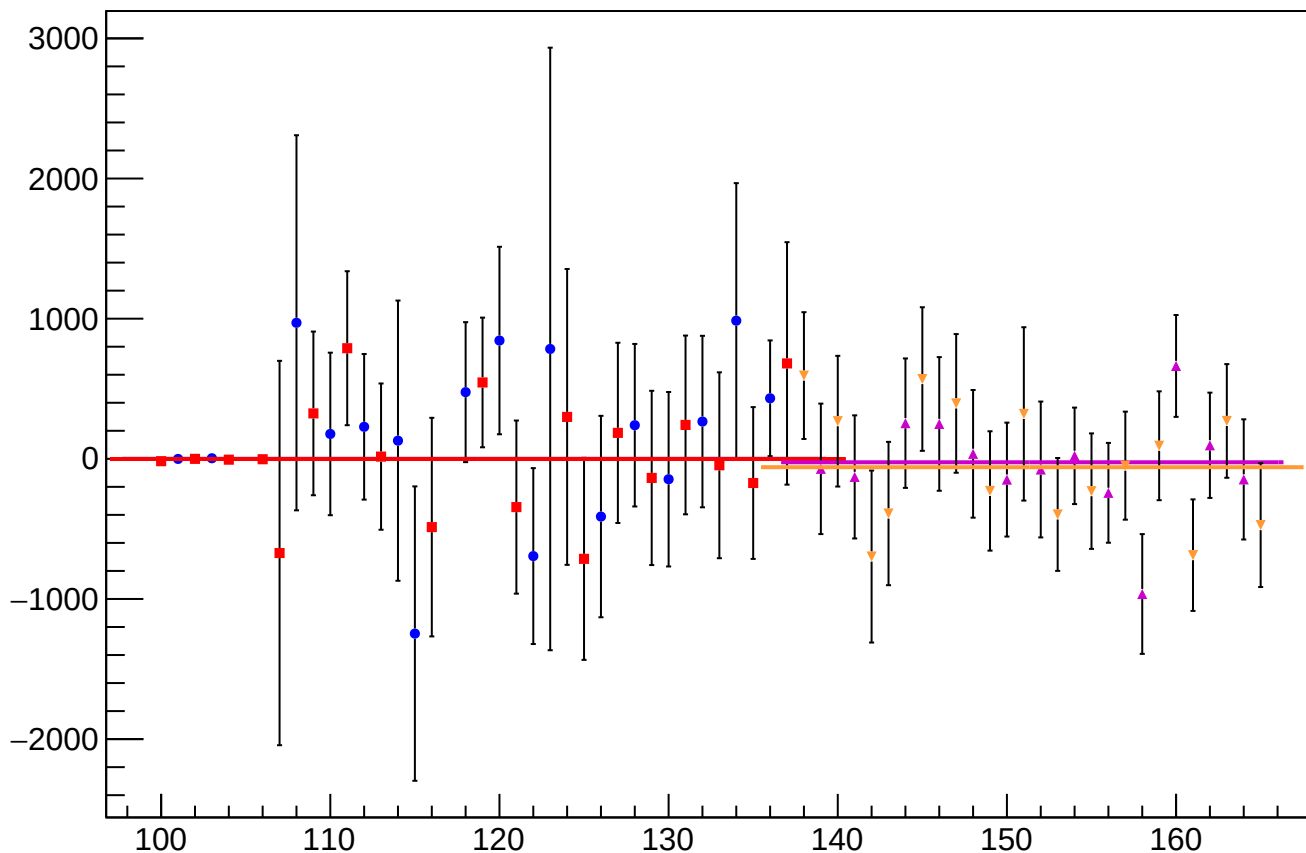
Left In: 194.995+/-0.045 χ^2/NDF : 1060400.6/12

+ sign 222.309+/-0.041 χ^2/NDF : 4823187.0/31

All: 203.977+/-0.027 χ^2/NDF : 10608738.4/63

- sign 189.521+/-0.036 χ^2/NDF : 5421868.0/31

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -59.845 ± 115.526 χ^2/NDF : 12.0/14

Right Out: -1.324 ± 1.623 χ^2/NDF : 9.5/18

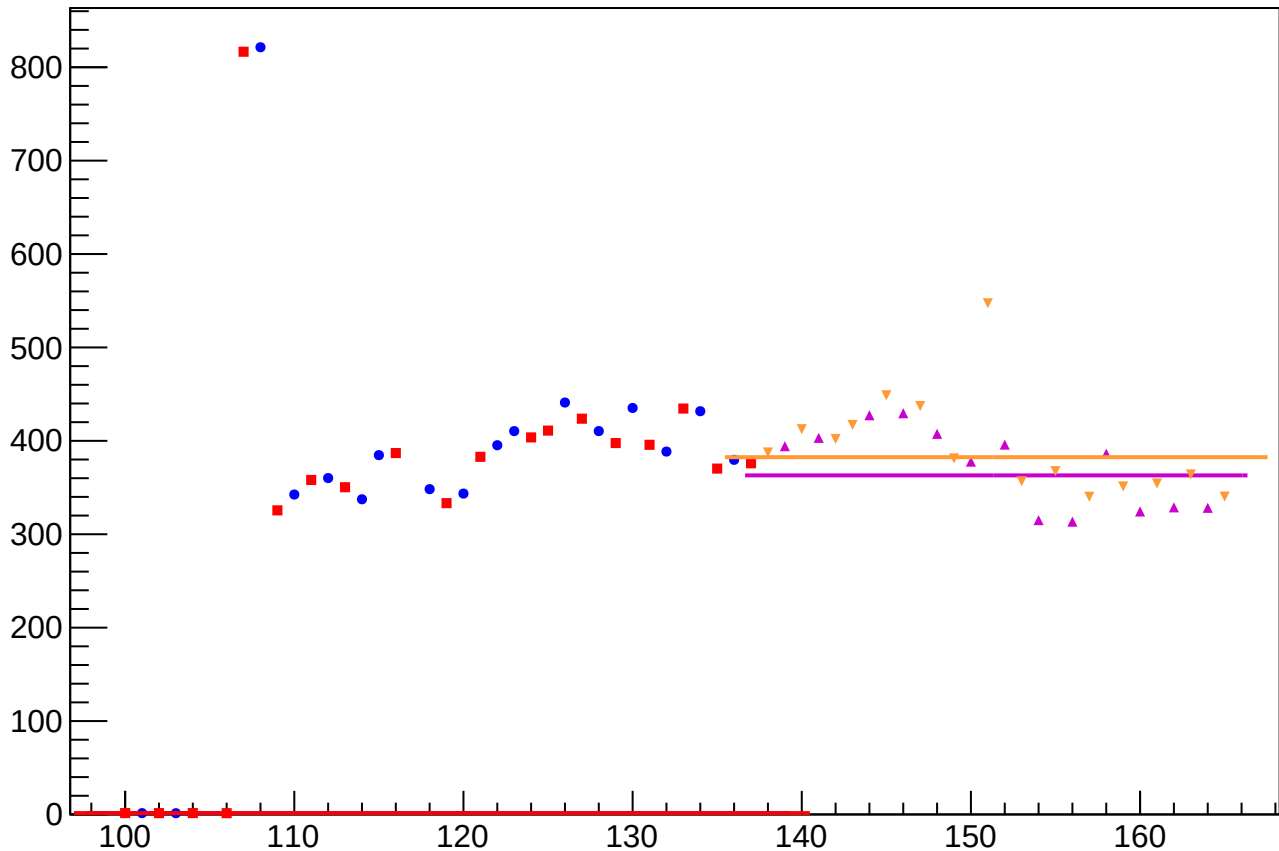
Left In: -24.656 ± 114.769 χ^2/NDF : 9.9/12

+ sign -0.152 ± 1.736 χ^2/NDF : 22.1/31

All: -0.780 ± 1.185 χ^2/NDF : 41.7/63

- sign -1.328 ± 1.622 χ^2/NDF : 19.4/31

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 382.506+/-0.082 χ^2/NDF : 299998.2/14

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

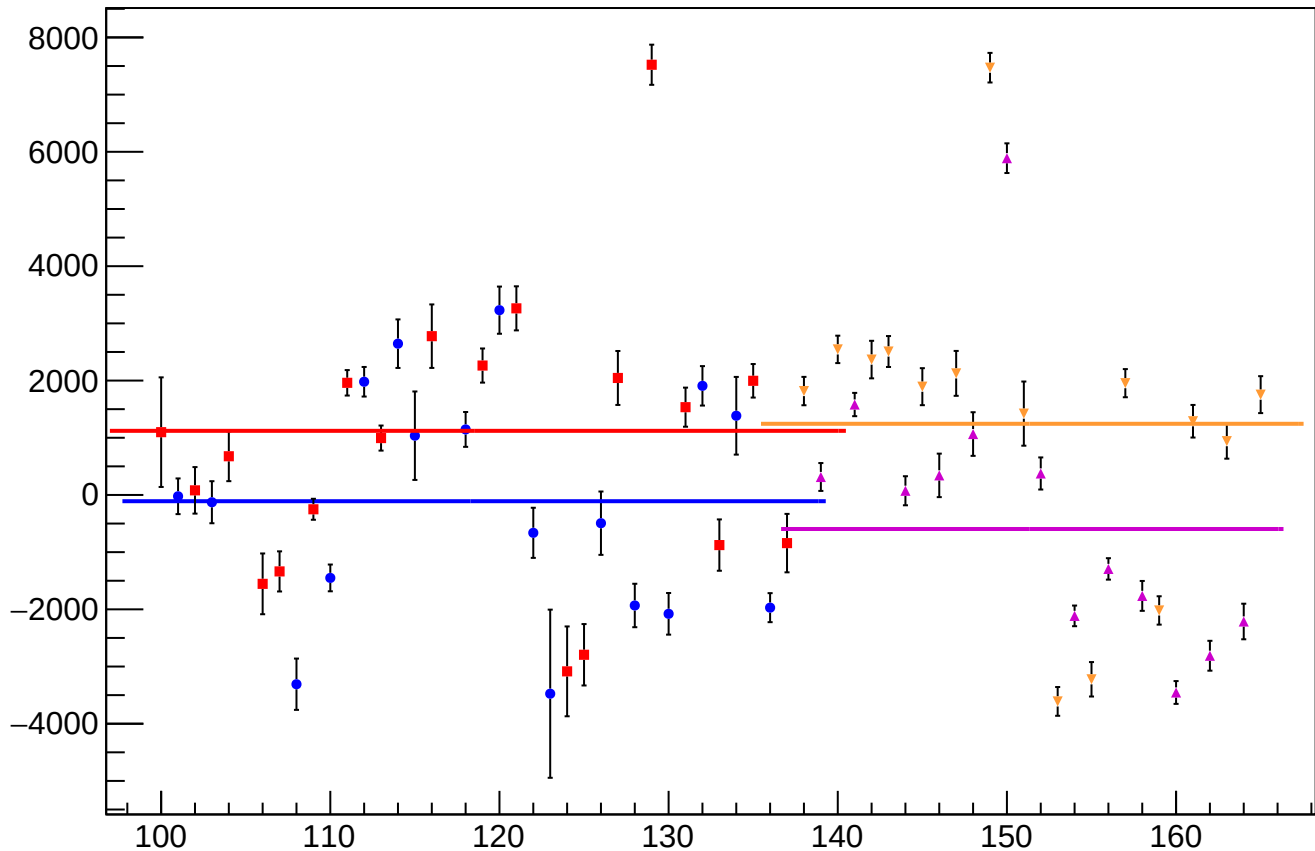
Left In: 363.024+/-0.081 χ^2/NDF : 270202.7/12

+ sign 1.538+/-0.001 χ^2/NDF : 32870205.5/31

All: 1.530+/-0.001 χ^2/NDF : 63860769.0/63

- sign 1.523+/-0.001 χ^2/NDF : 30990483.8/31

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 χ^2/NDF : 428.3/16

Left Out: 1244.338 ± 73.936 χ^2/NDF : 1434.2/14

Right Out: 1121.203 ± 78.396 χ^2/NDF : 670.1/18

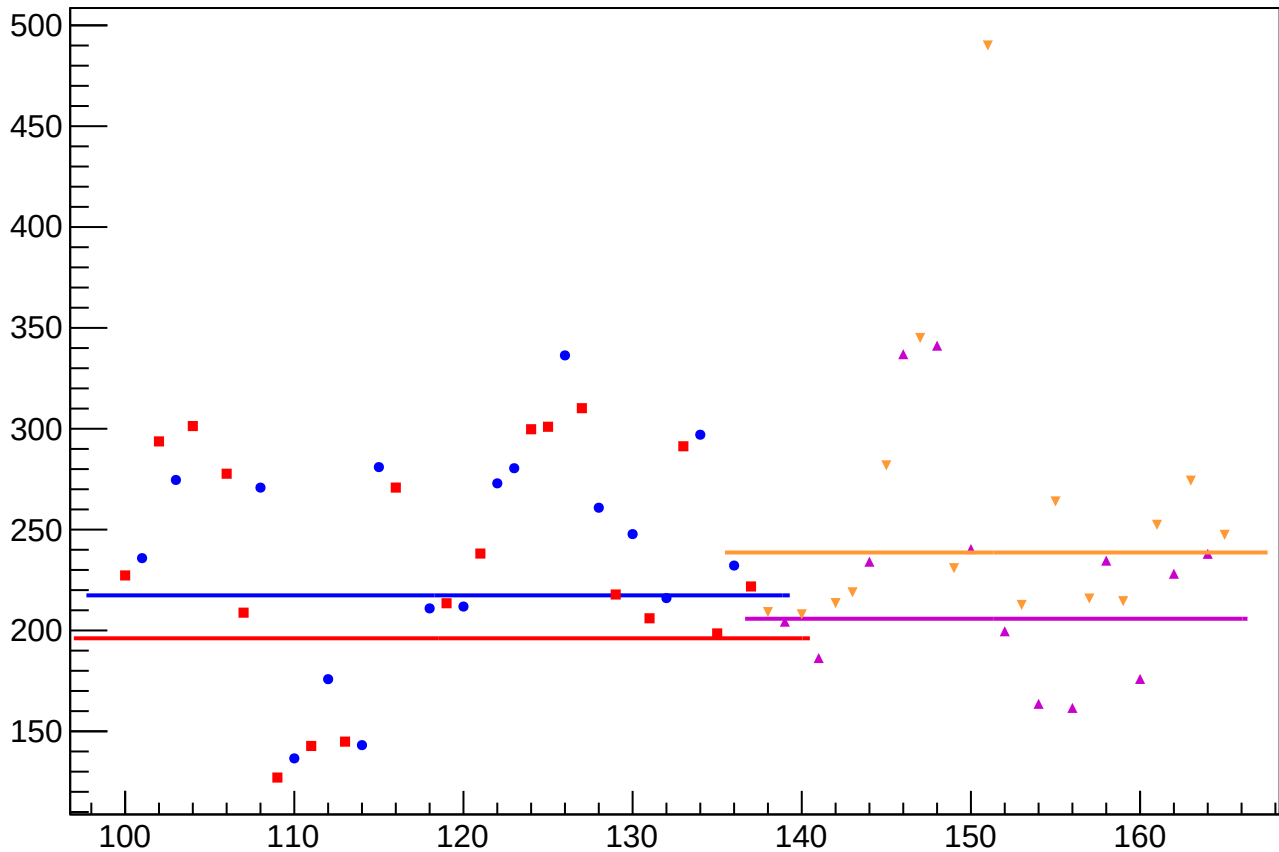
Left In: -595.211 ± 67.163 χ^2/NDF : 1205.7/12

+ sign 683.944 ± 56.598 χ^2/NDF : 2001.3/31

All: 378.987 ± 37.889 χ^2/NDF : 4206.1/63

- sign 131.324 ± 51.005 χ^2/NDF : 2152.2/31

asym_bcm0l02_rms vs Slug



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 238.651 $\pm$ 0.052 χ^2 /NDF: 774095.6/14

Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

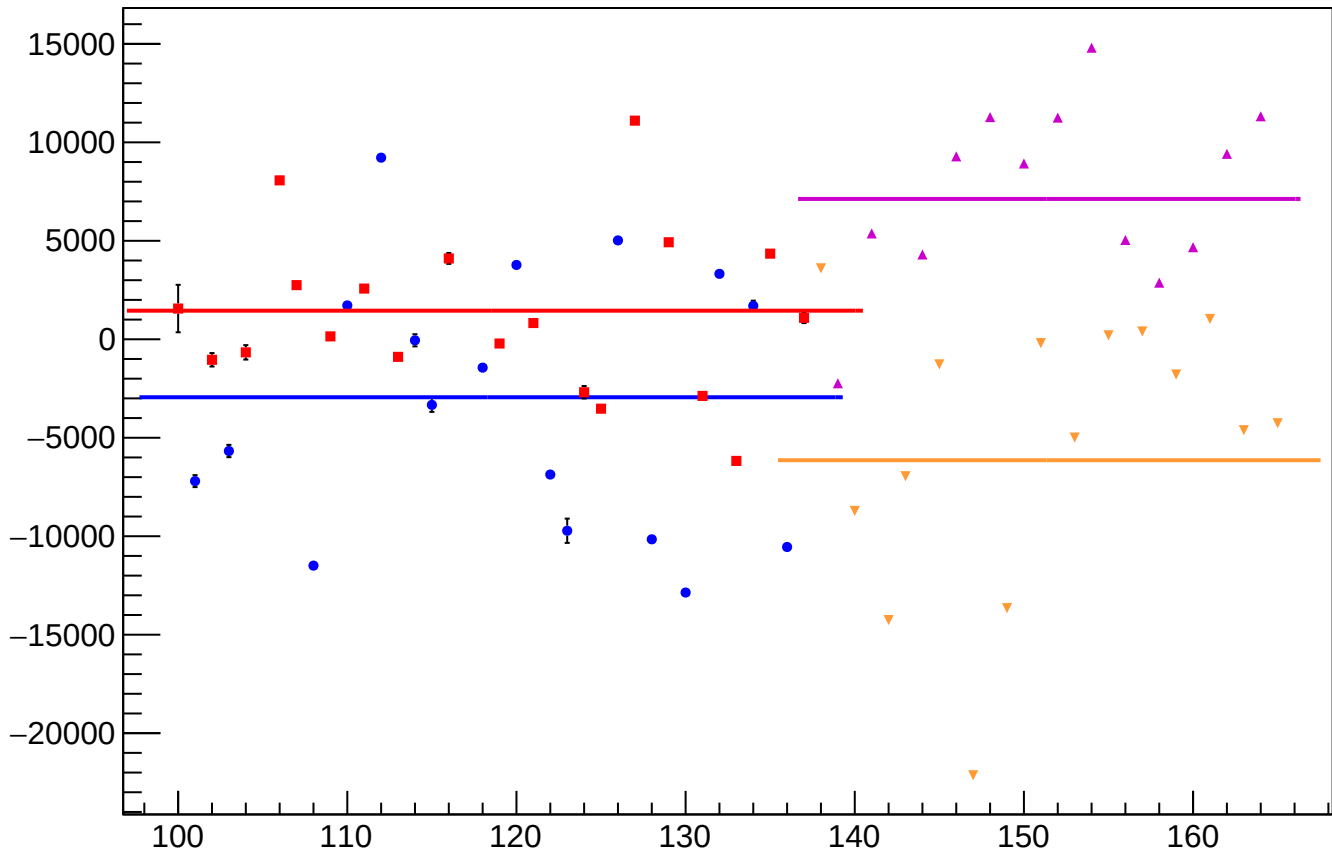
Left In: 205.805 $\pm$ 0.047 χ^2 /NDF: 894869.8/12

+ sign 229.854 $\pm$ 0.040 χ^2 /NDF: 1495118.6/31

All: 214.319 $\pm$ 0.027 χ^2 /NDF: 3871546.5/63

- sign 201.702 $\pm$ 0.036 χ^2 /NDF: 2103363.6/31

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 χ^2/NDF : 20909.8/16

Left Out: -6140.724 ± 40.253 χ^2/NDF : 34079.4/14

Right Out: 1453.116 ± 46.404 χ^2/NDF : 7996.0/18

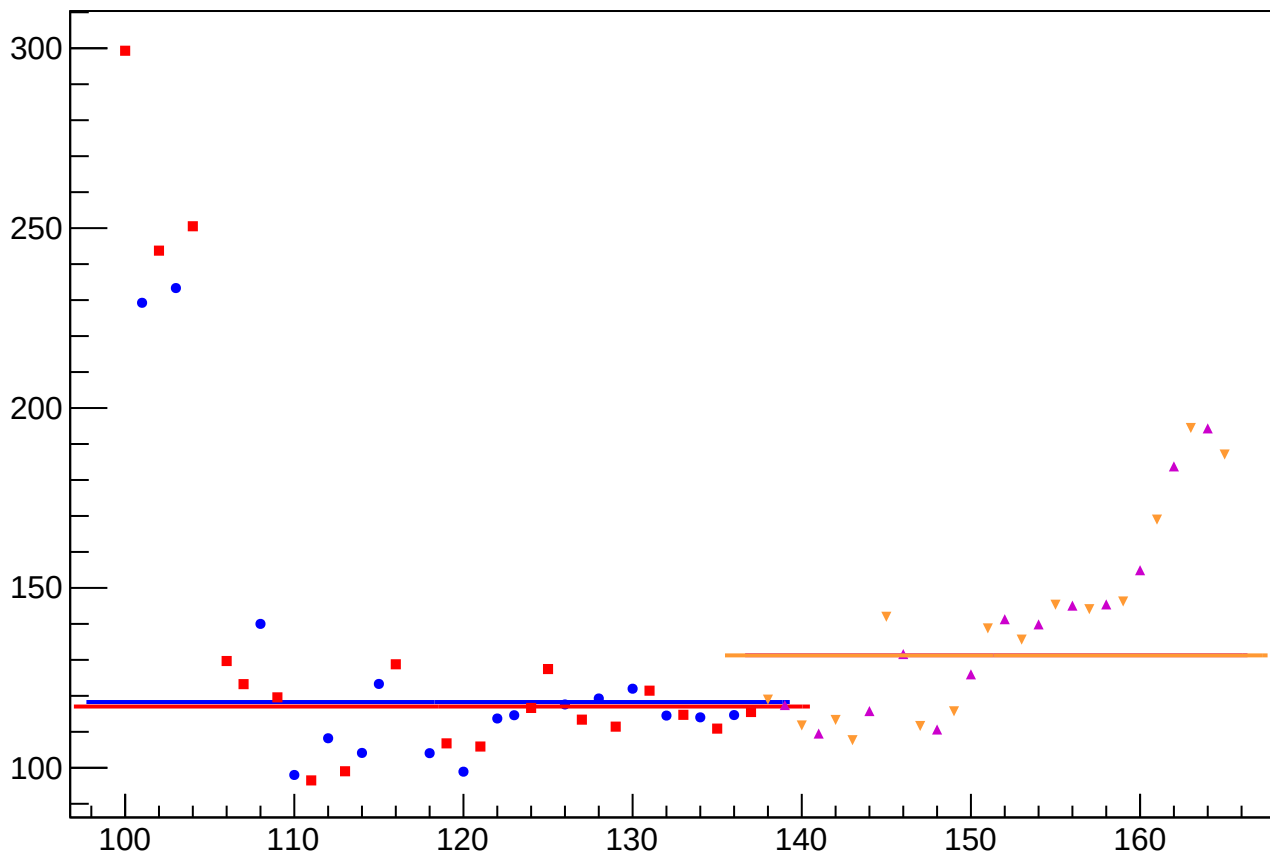
Left In: 7126.330 ± 41.765 χ^2/NDF : 11178.8/12

+ sign -4840.077 ± 31.004 χ^2/NDF : 57556.0/31

All: -132.365 ± 21.937 χ^2/NDF : 131160.4/63

- sign 4587.352 ± 31.043 χ^2/NDF : 27432.5/31

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 131.247+/-0.028 χ^2/NDF : 630503.3/14

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

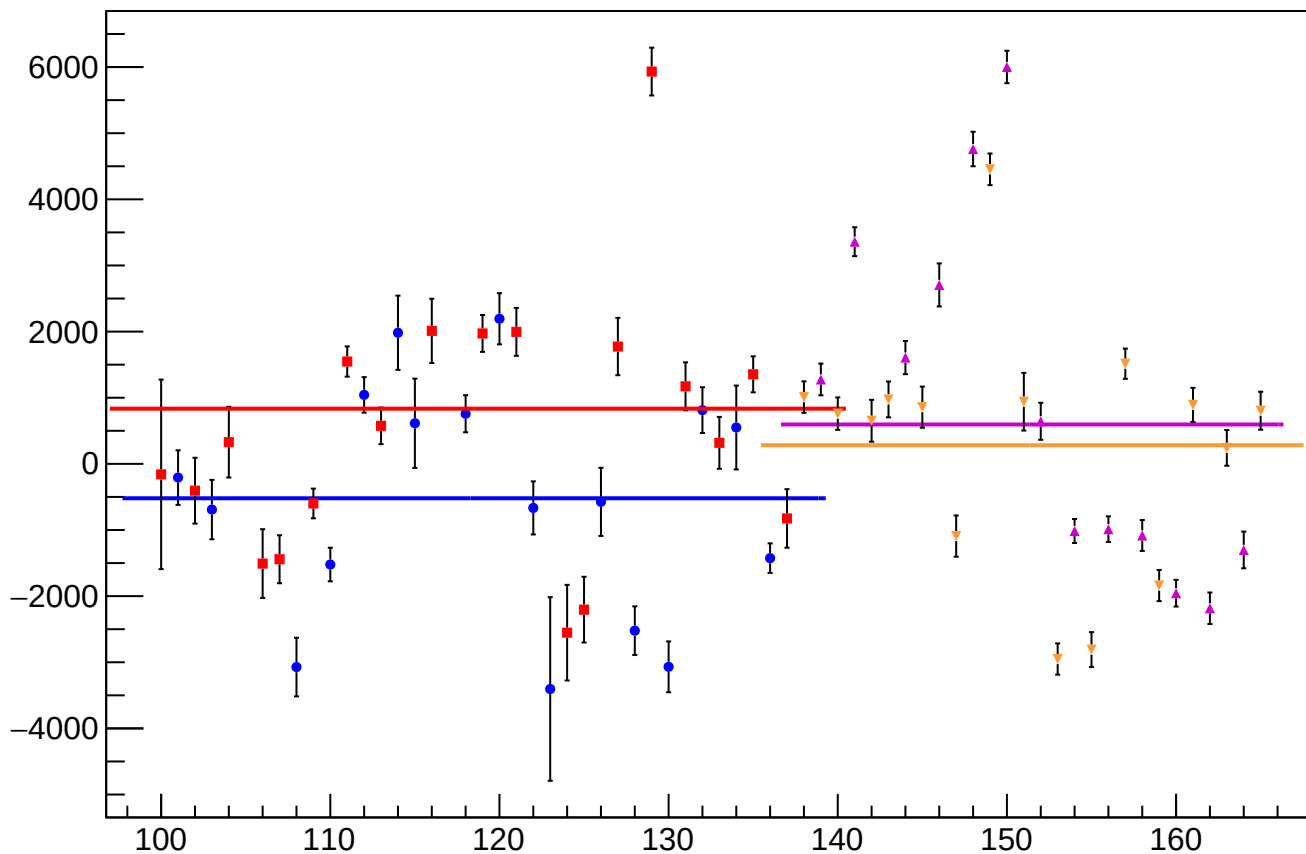
Left In: 131.300+/-0.030 χ^2/NDF : 499445.3/12

+ sign 125.975+/-0.022 χ^2/NDF : 1351766.2/31

All: 125.445+/-0.016 χ^2/NDF : 2647715.5/63

- sign 124.914+/-0.022 χ^2/NDF : 1294781.4/31

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 $\pm$ 89.241 χ^2/NDF : 288.1/16

Left Out: 282.049 $\pm$ 68.771 χ^2/NDF : 793.8/14

Right Out: 834.834 $\pm$ 82.273 χ^2/NDF : 434.7/18

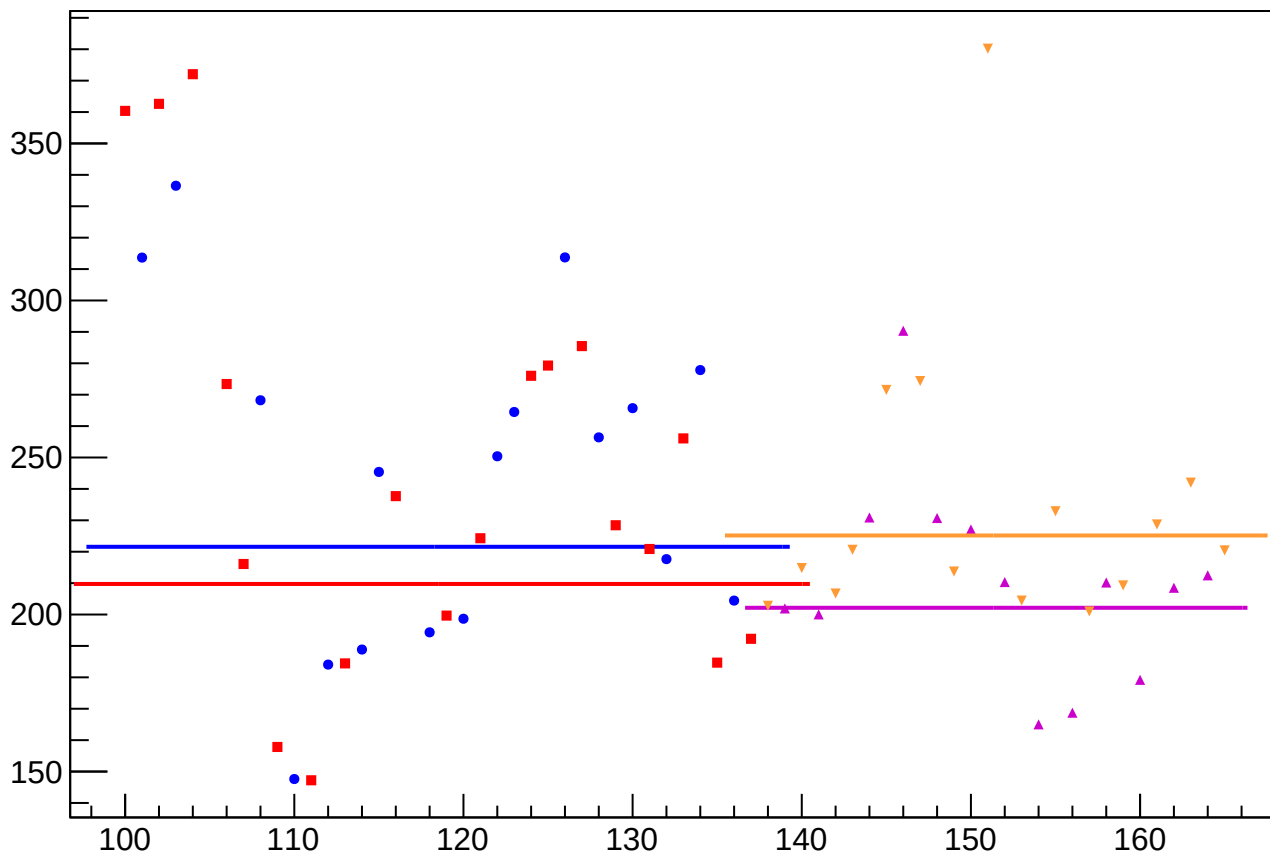
Left In: 595.577 $\pm$ 64.774 χ^2/NDF : 1508.5/12

+ sign -16.889 $\pm$ 54.473 χ^2/NDF : 1132.6/31

All: 359.010 $\pm$ 37.188 χ^2/NDF : 3170.3/63

- sign 687.130 $\pm$ 50.893 χ^2/NDF : 1948.4/31

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 225.172 $\pm$ 0.049 χ^2 /NDF: 437166.7/14

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

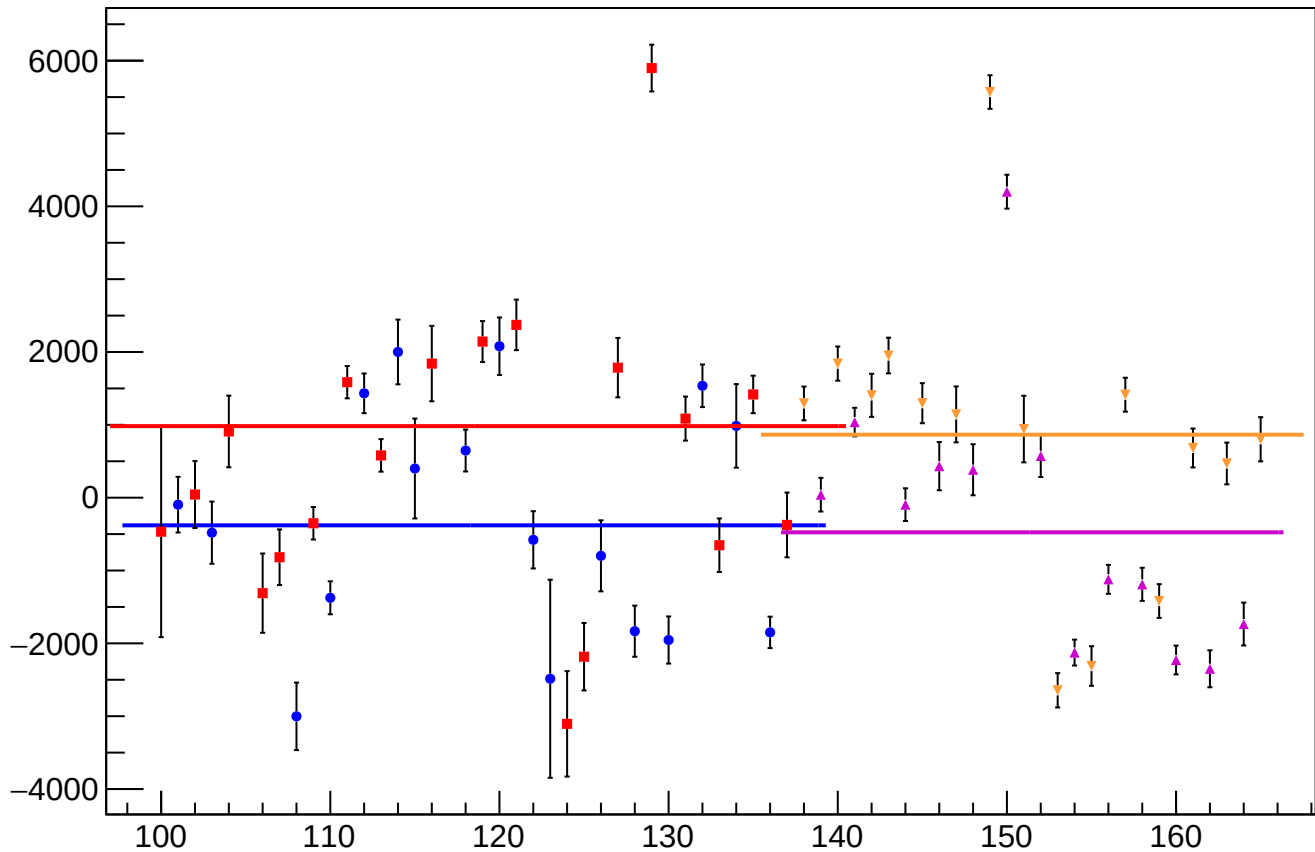
Left In: 202.149 $\pm$ 0.046 χ^2 /NDF: 395527.4/12

+ sign 223.830 $\pm$ 0.039 χ^2 /NDF: 1084153.1/31

All: 213.804 $\pm$ 0.026 χ^2 /NDF: 2501002.2/63

- sign 205.052 $\pm$ 0.036 χ^2 /NDF: 1289950.2/31

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 864.783 ± 68.295 χ^2/NDF : 927.7/14

Right Out: 982.539 ± 77.724 χ^2/NDF : 476.3/18

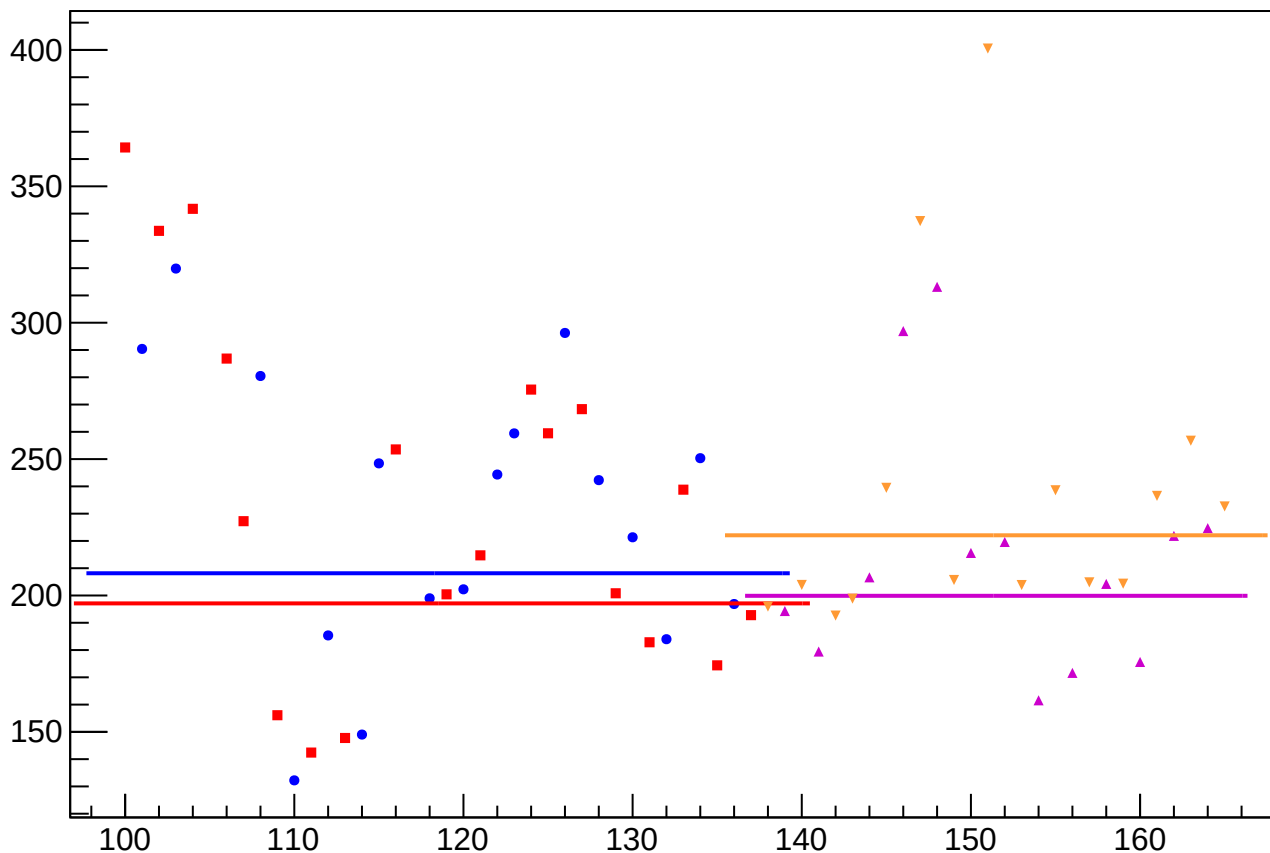
Left In: -475.411 ± 64.376 χ^2/NDF : 756.1/12

+ sign 371.387 ± 53.056 χ^2/NDF : 1376.5/31

All: 236.016 ± 36.224 χ^2/NDF : 2829.8/63

- sign 117.808 ± 49.579 χ^2/NDF : 1441.0/31

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 222.068+/-0.048 χ^2/NDF : 658267.1/14

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

Left In: 199.885+/-0.046 χ^2/NDF : 617397.7/12

+ sign 216.550+/-0.038 χ^2/NDF : 1390282.0/31

All: 207.049+/-0.026 χ^2/NDF : 3055810.5/63

- sign 198.753+/-0.035 χ^2/NDF : 1545385.1/31

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

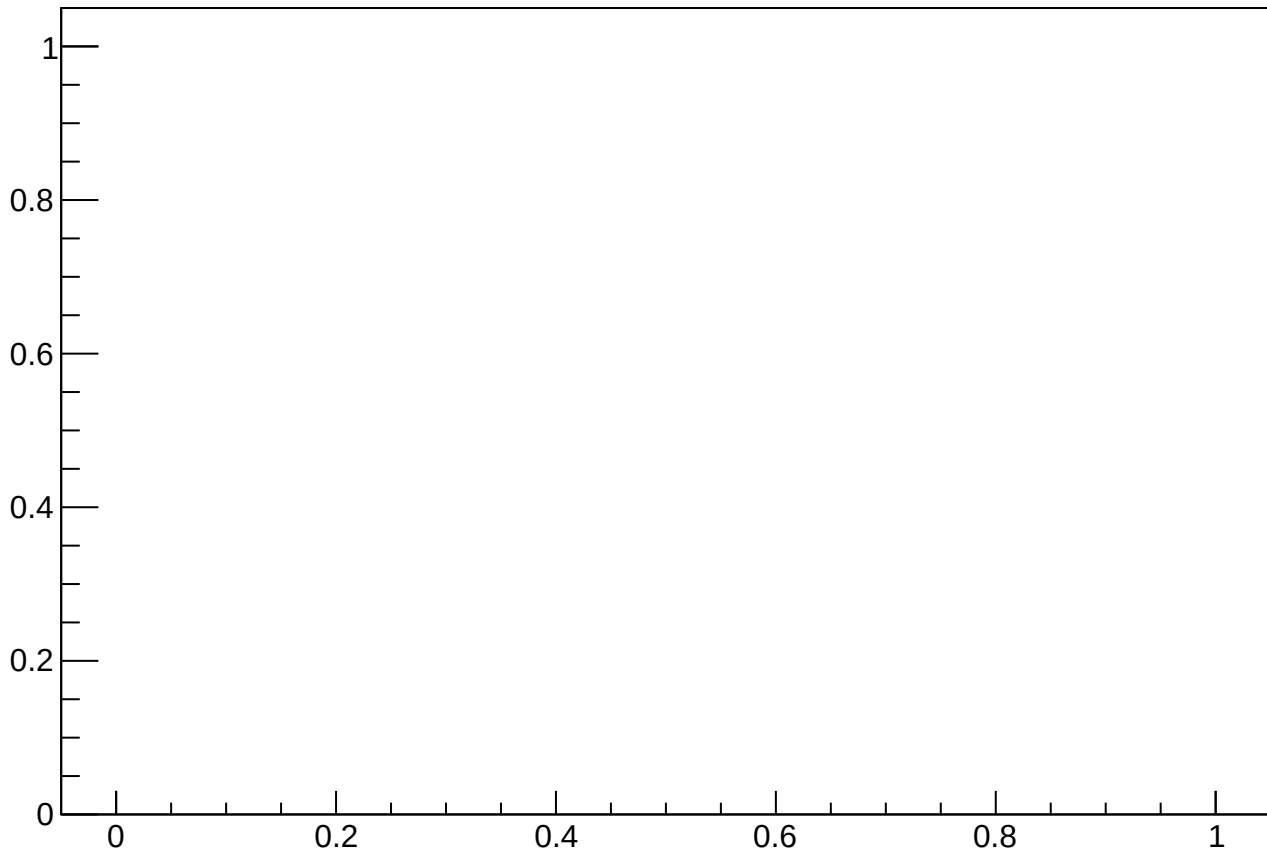
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

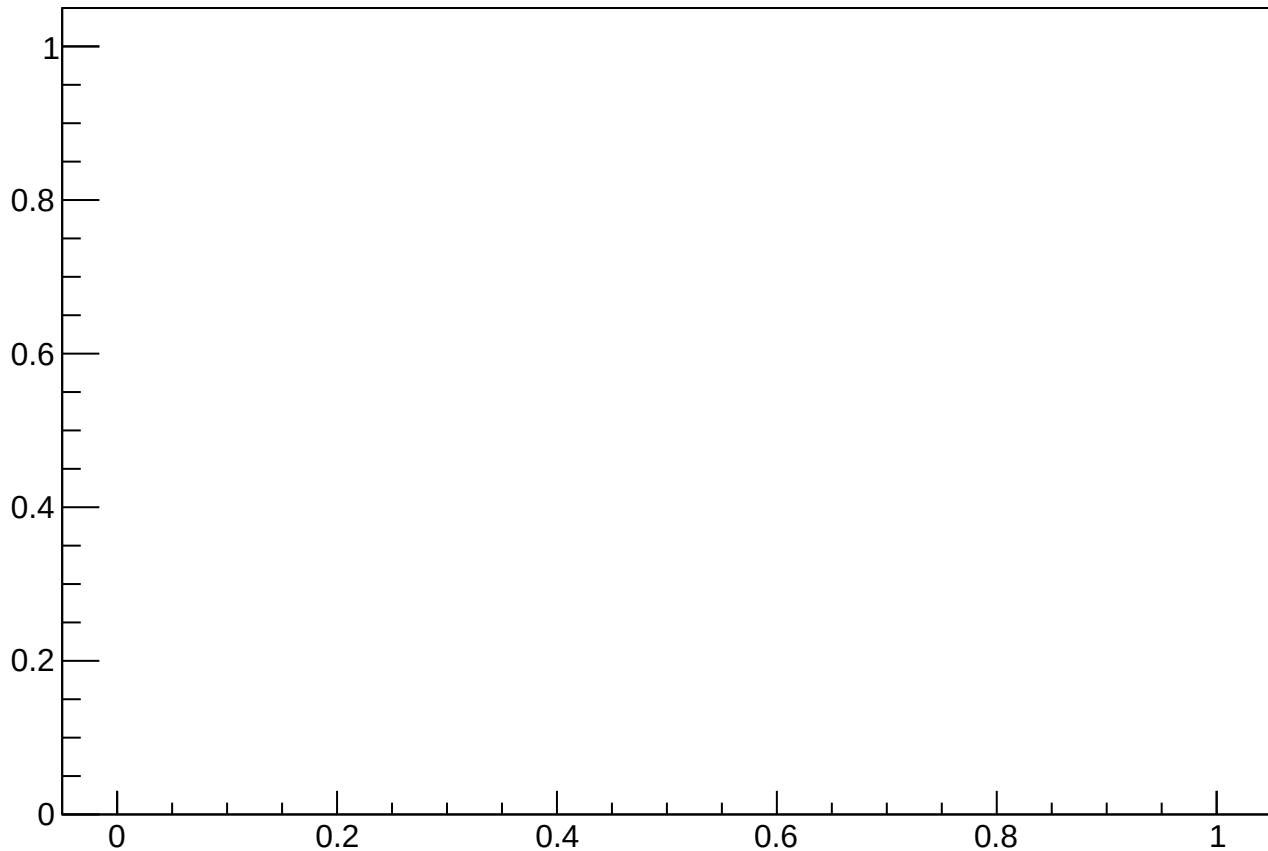
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

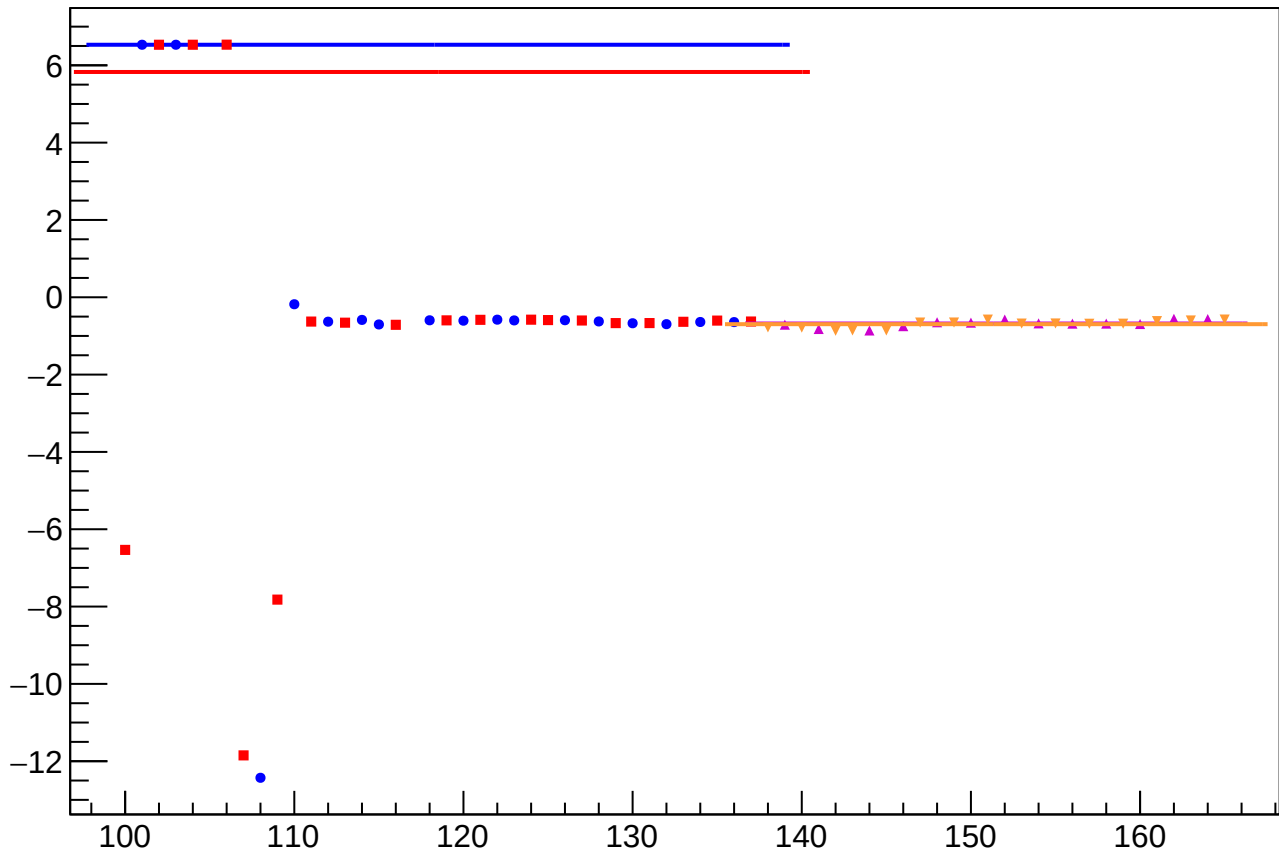
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: -0.696 $\pm$ 0.000 χ^2 /NDF: 105740127.4/14

+ sign 6.531 $\pm$ 0.000 χ^2 /NDF: 667575375510.0/31

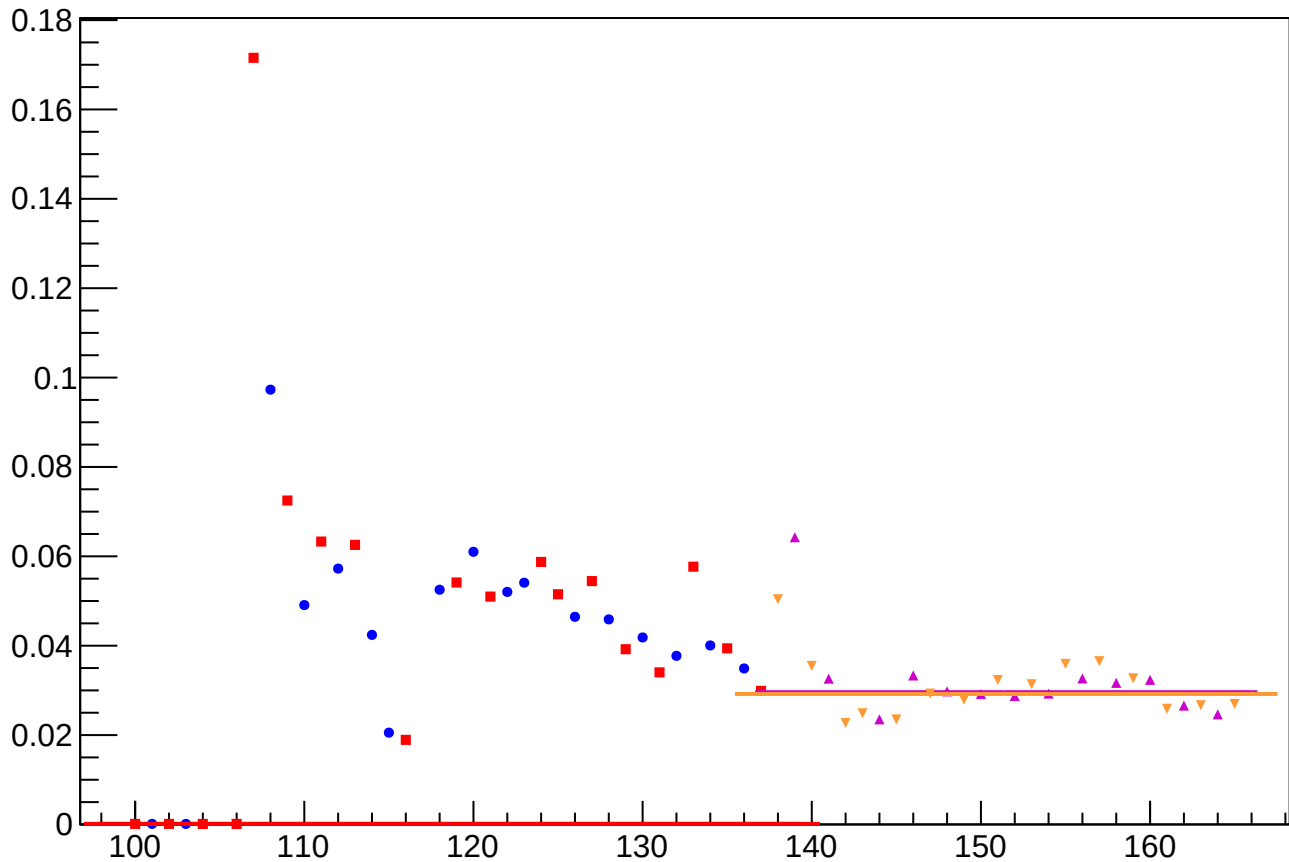
Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755963218053643.4/18

All: 6.154 $\pm$ 0.000 χ^2 /NDF: 77701893717600

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756361062385262.5/18

Left In: -0.679 $\pm$ 0.000 χ^2 /NDF: 84932621.4/12

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.029+/-0.000 χ^2/NDF : 571322.8/14

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

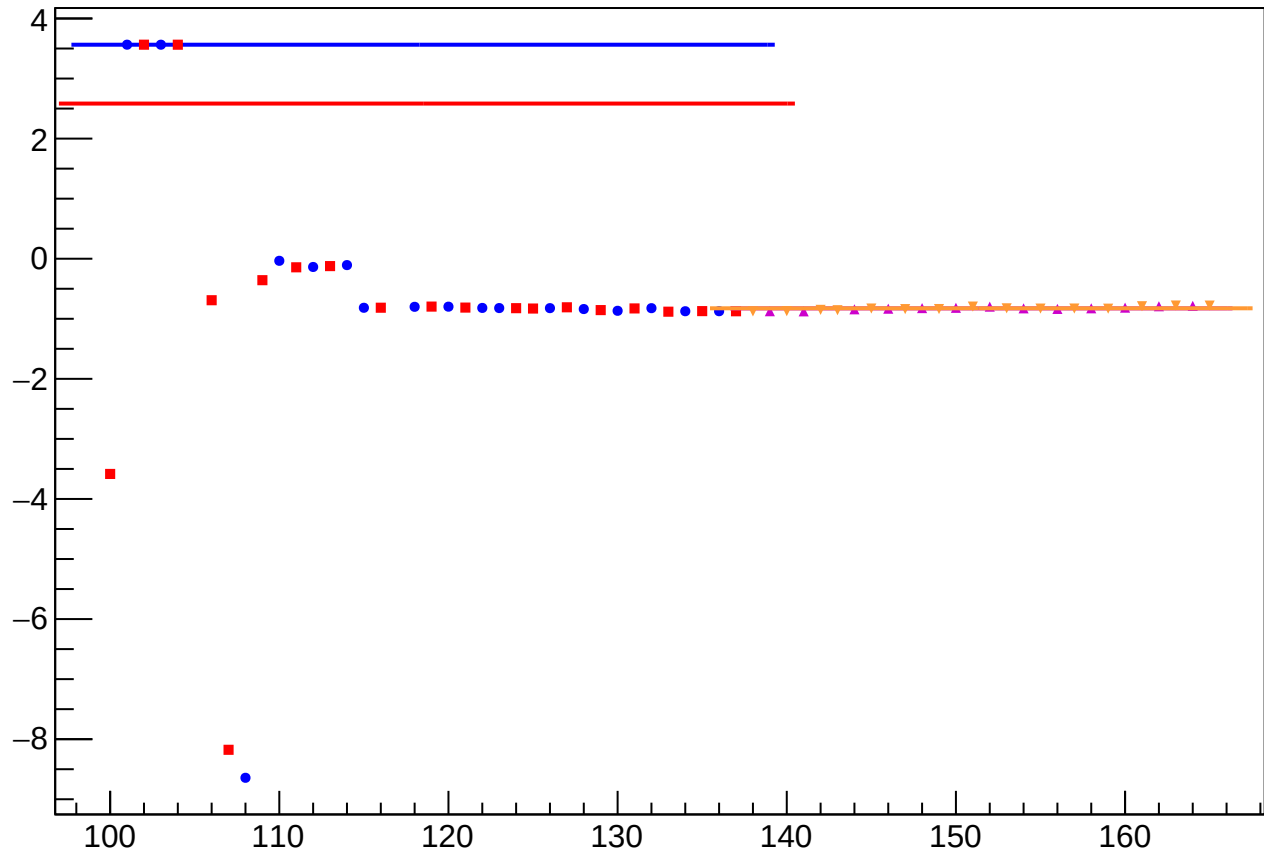
Left In: 0.030+/-0.000 χ^2/NDF : 602541.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 26942839.8/31

All: 0.000+/-0.000 χ^2/NDF : 53220863.9/63

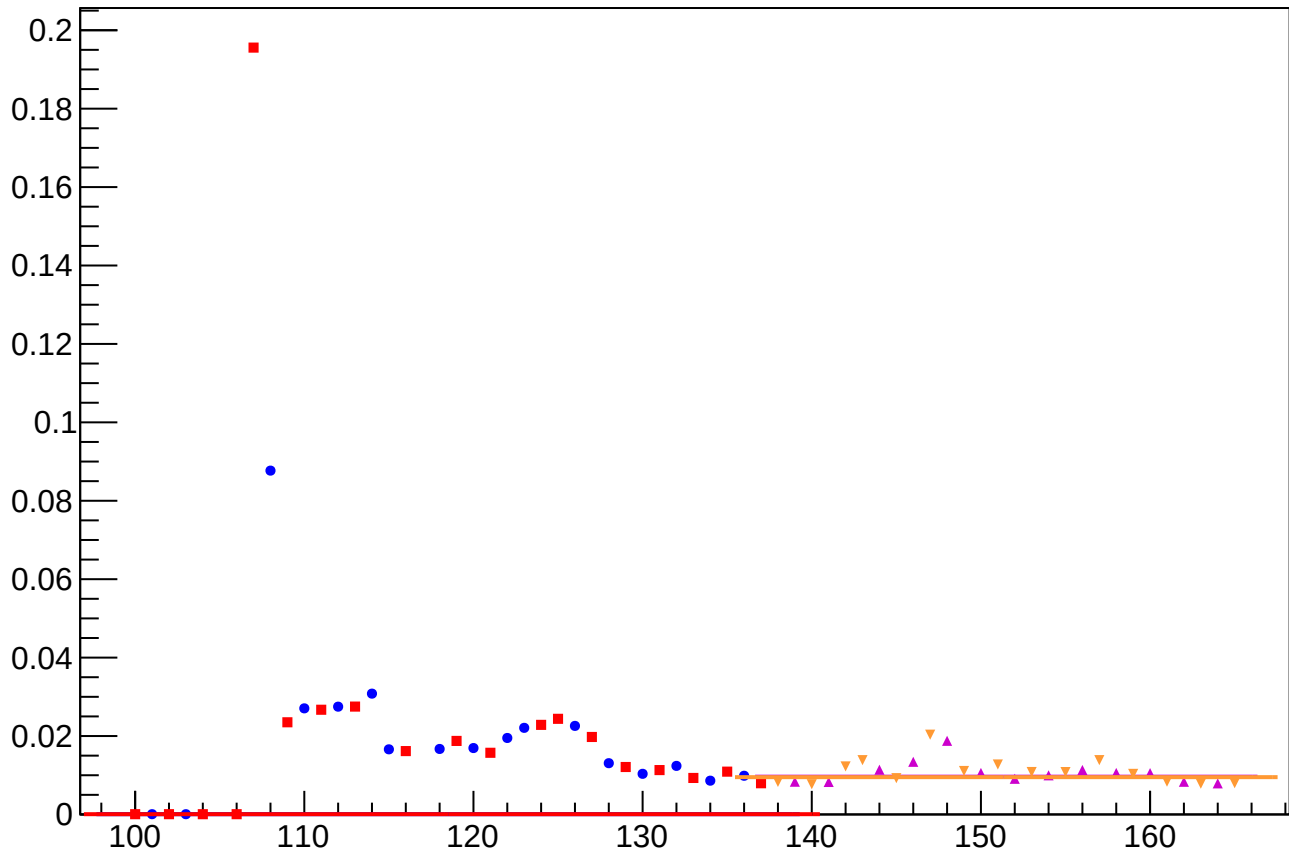
- sign 0.000+/-0.000 χ^2/NDF : 26277502.1/31

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000	χ^2/NDF : 481634392464.0/16	+ sign 3.562+/-0.000	χ^2/NDF : 2316900137299.7/31
Left Out: -0.825+/-0.000	χ^2/NDF : 124469014.8/14	All: 3.039+/-0.000	χ^2/NDF : 13849754493279
Right Out: 2.583+/-0.000	χ^2/NDF : 1253502070019187.0/18	- sign 2.582+/-0.000	χ^2/NDF : 1254510555948822.2
Left In: -0.827+/-0.000	χ^2/NDF : 91453683.3/12		

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF :1018363.5/14

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

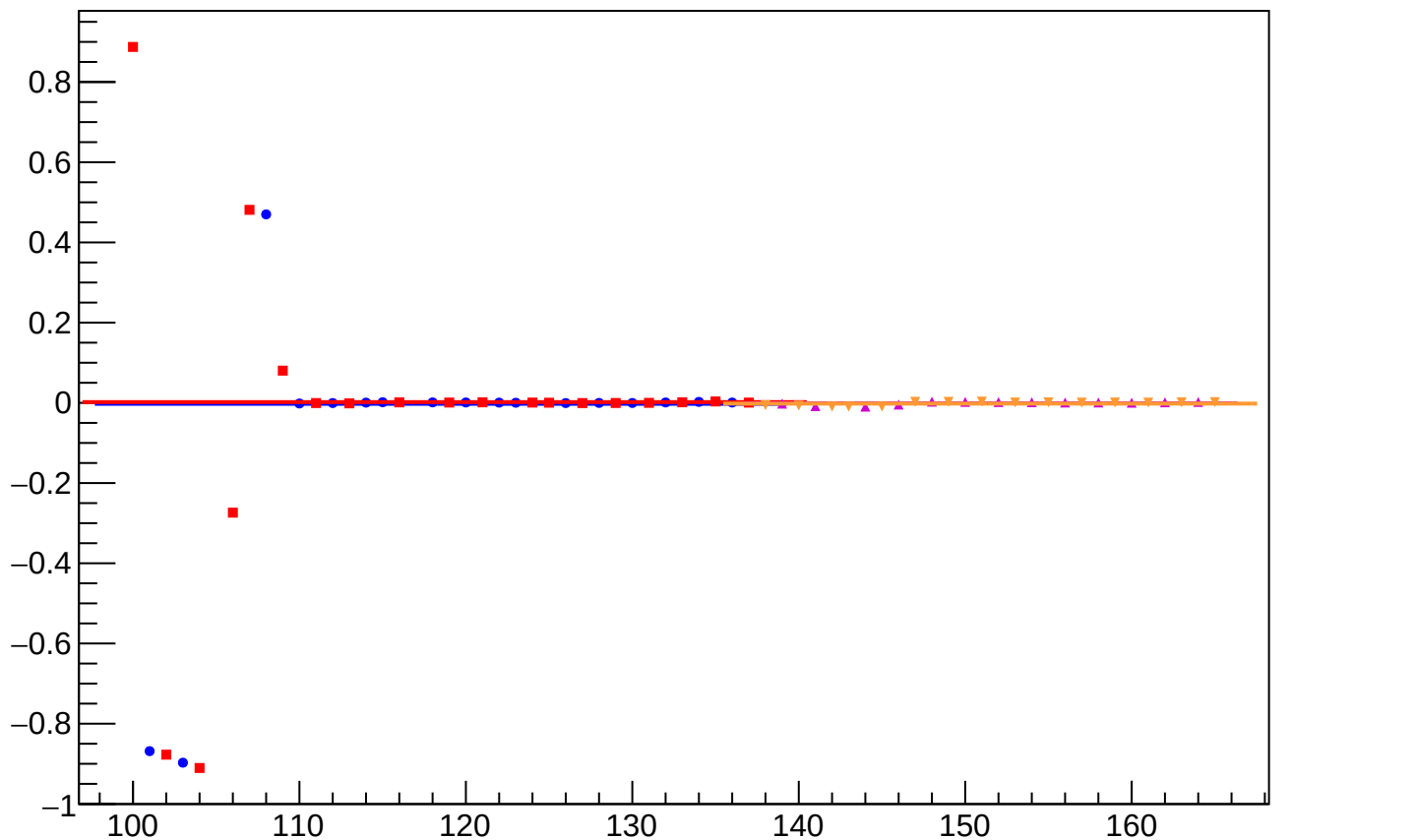
Left In: 0.010+/-0.000 χ^2/NDF :671883.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 27738894.1/31

All: 0.000+/-0.000 χ^2/NDF : 54136928.9/63

- sign 0.000+/-0.000 χ^2/NDF : 26397250.3/31

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.002 ± 0.000 χ^2/NDF : 89341772.8/14

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041319824.4/18

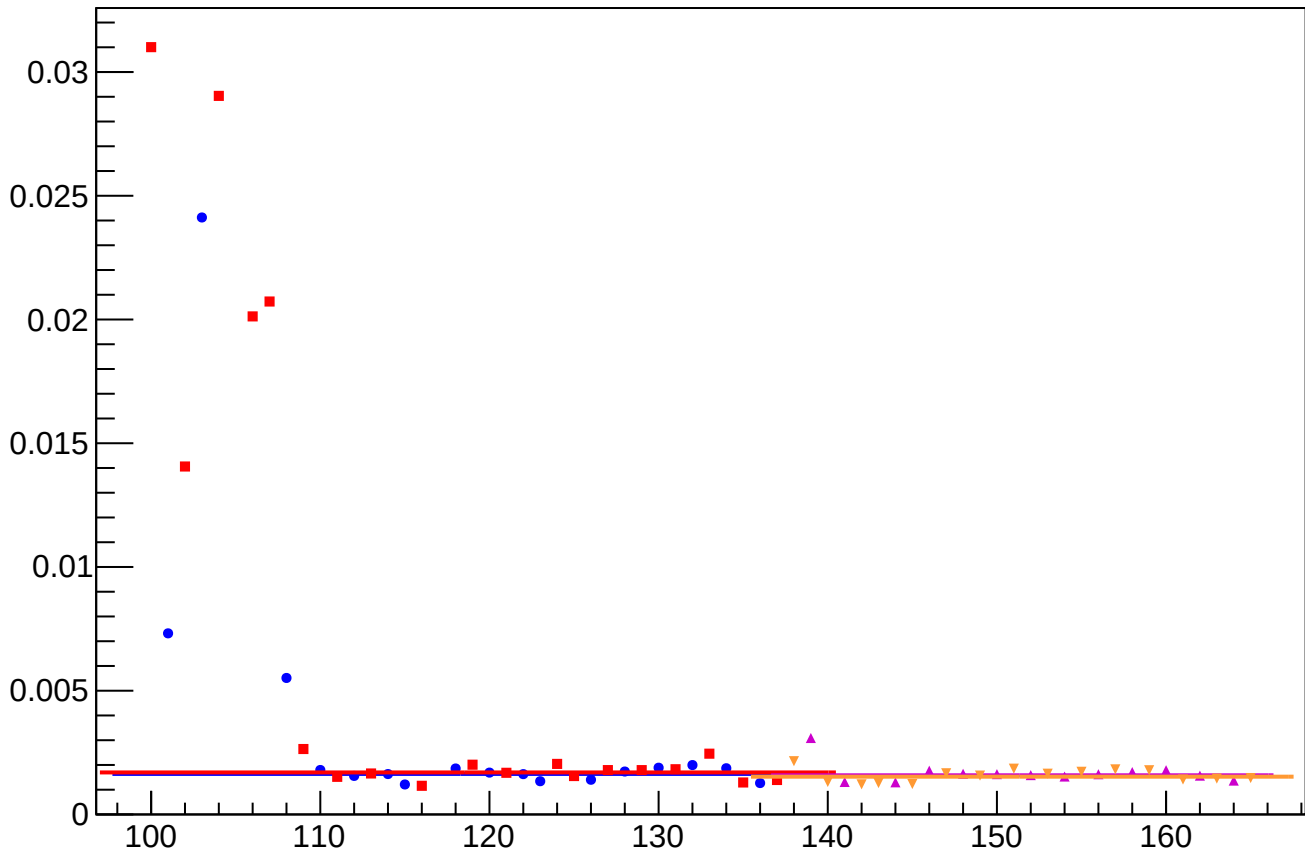
Left In: -0.001 ± 0.000 χ^2/NDF : 63462106.6/12

+ sign -0.002 ± 0.000 χ^2/NDF : 9884440492.2/31

All: -0.001 ± 0.000 χ^2/NDF : 13007449341.1/31

- sign -0.000 ± 0.000 χ^2/NDF : 3113683610.9/31

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: 420415.7/14

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

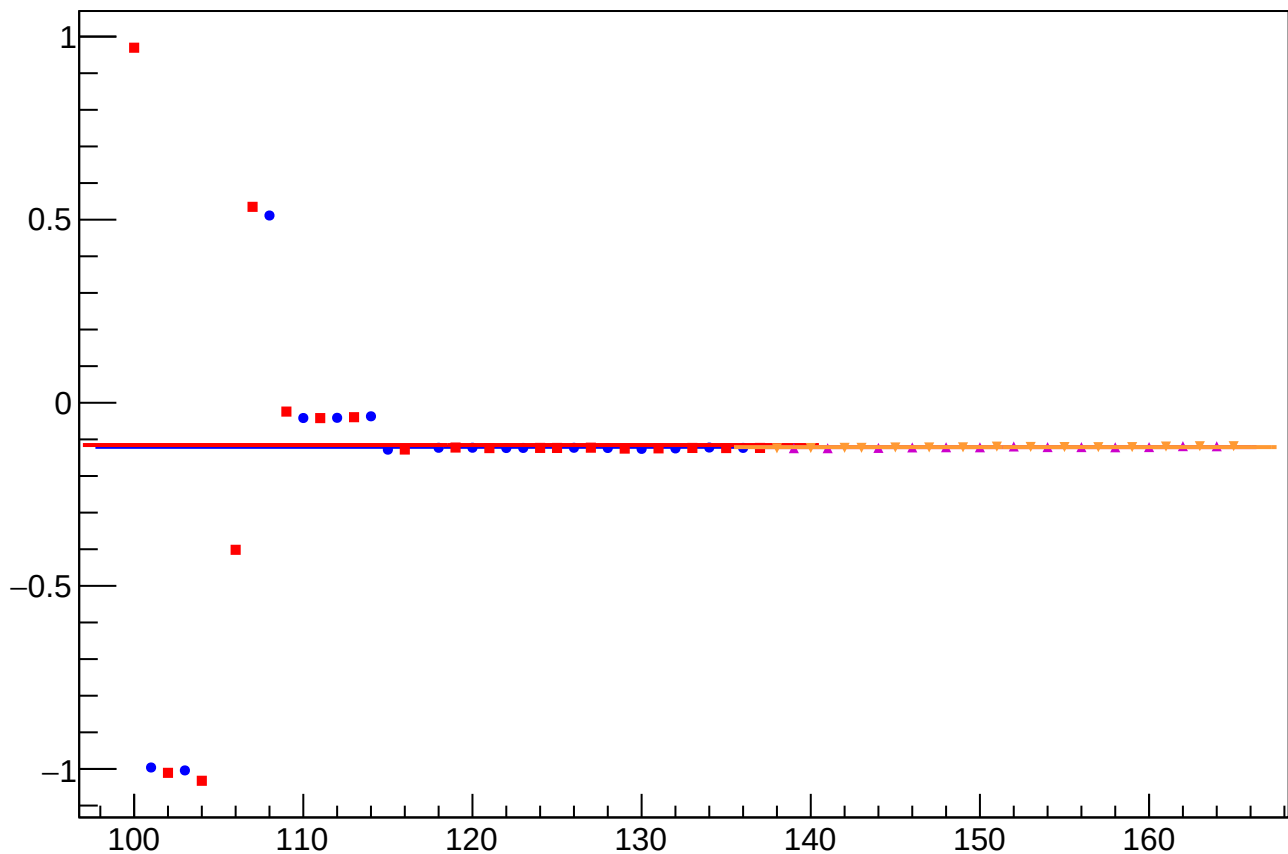
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 520832.8/12

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2365428.2/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5955635.9/63

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3572804.2/31

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 : 25095570.4/14

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

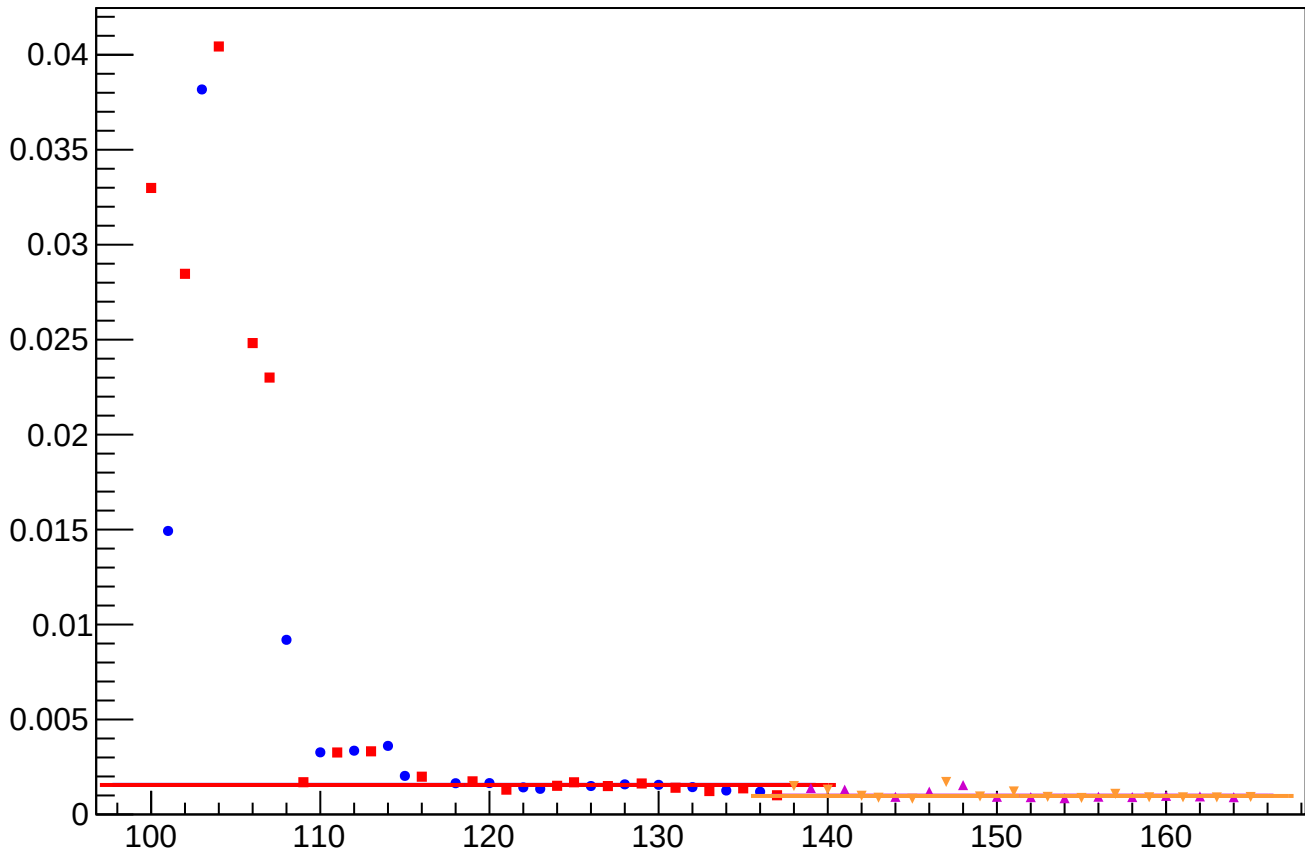
Left In: -0.121+/-0.000 χ^2/NDF : 24221900.9/12

+ sign -0.121+/-0.000 χ^2/NDF : 3958197433.6/31

All: -0.121+/-0.000 χ^2/NDF : 6494089873.4/6

- sign -0.120+/-0.000 χ^2/NDF : 2531755309.3/31

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: 716060.4/14

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

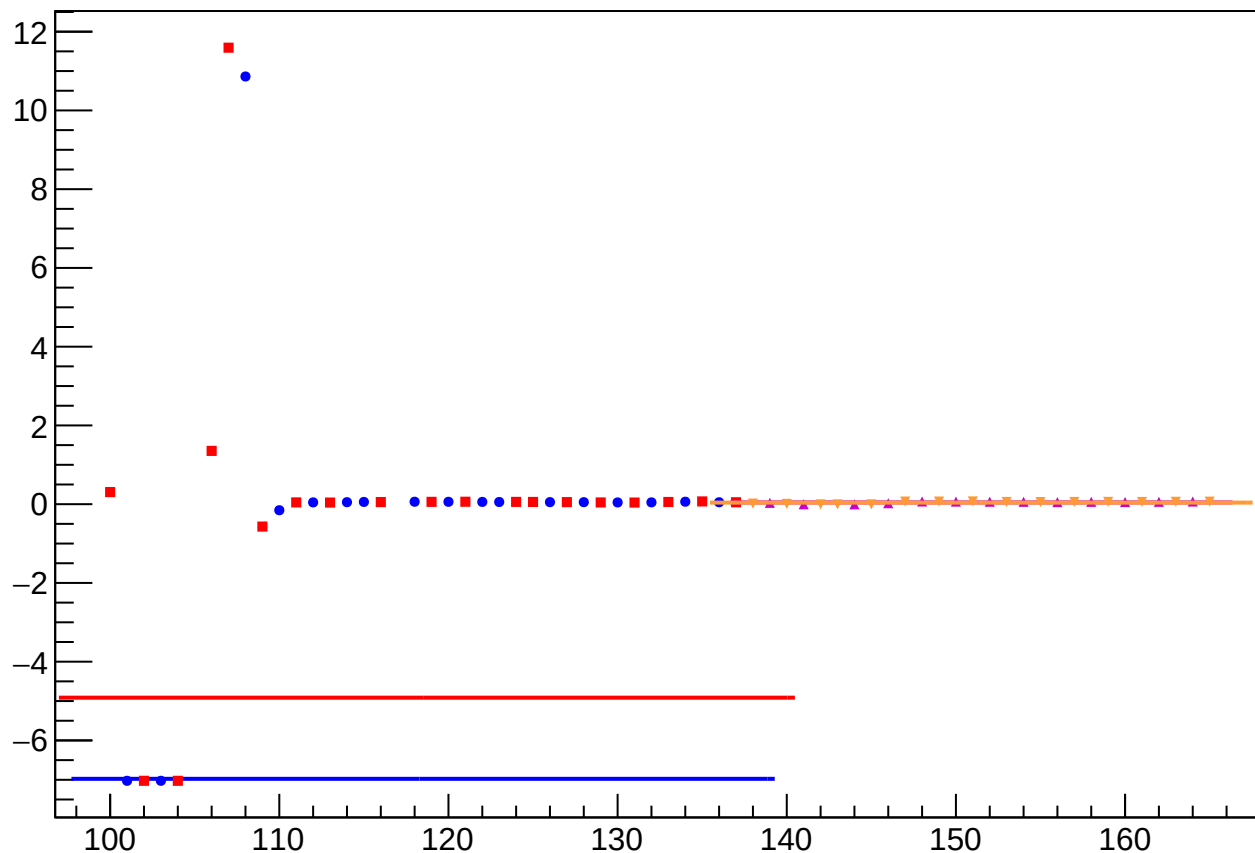
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 528093.1/12

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4705384.2/31

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 9781820.9/63

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5071232.7/31

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8749579700722.8/16

Left Out: 0.040+/-0.000 χ^2 /NDF: 91620477.7/14

Right Out: -4.914+/-0.000 χ^2 /NDF: 365358092730279.9/18

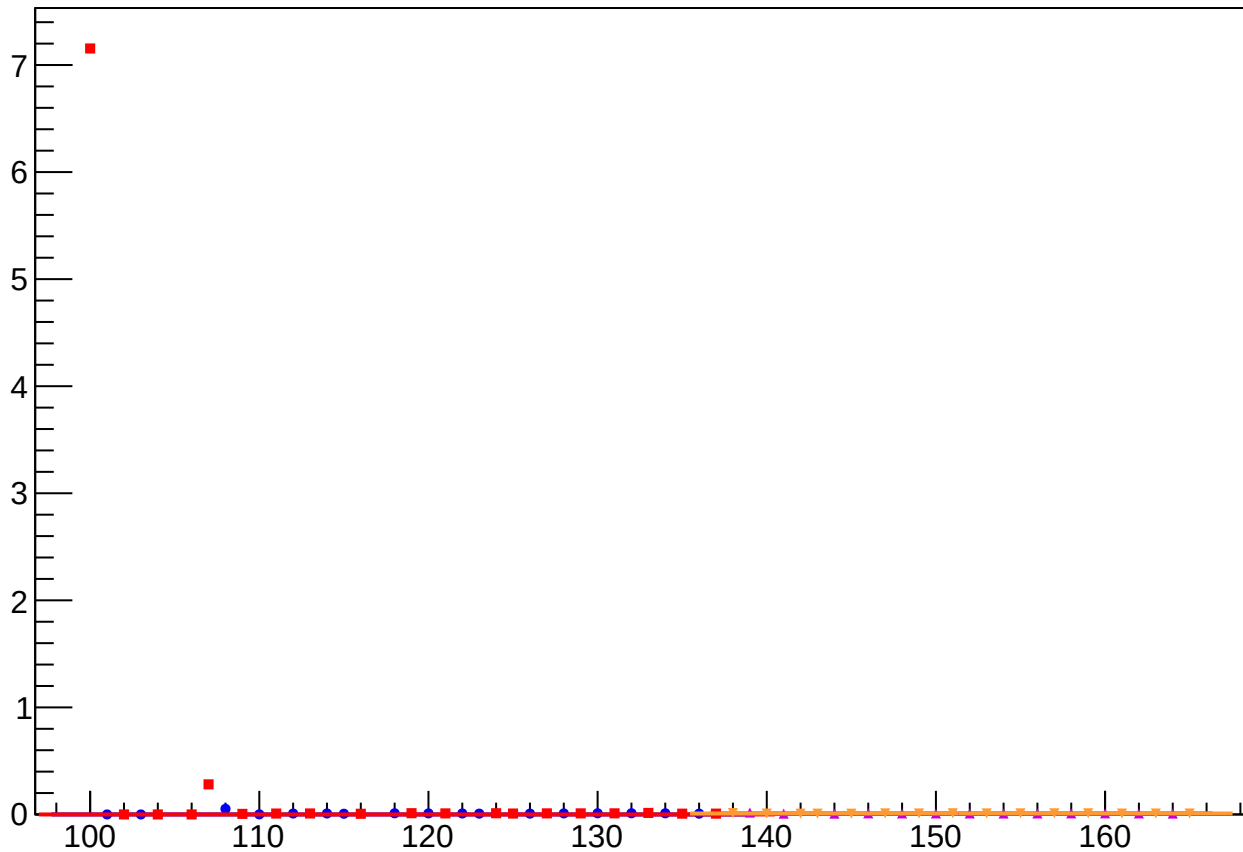
Left In: 0.044+/-0.000 χ^2 /NDF: 70645161.4/12

+ sign -6.945+/-0.000 χ^2 /NDF: 14048045560490.4/16

All: -5.877+/-0.000 χ^2 /NDF: 4374501263200.0/16

- sign -4.897+/-0.000 χ^2 /NDF: 367684343494387.9/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 413262.9/14

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

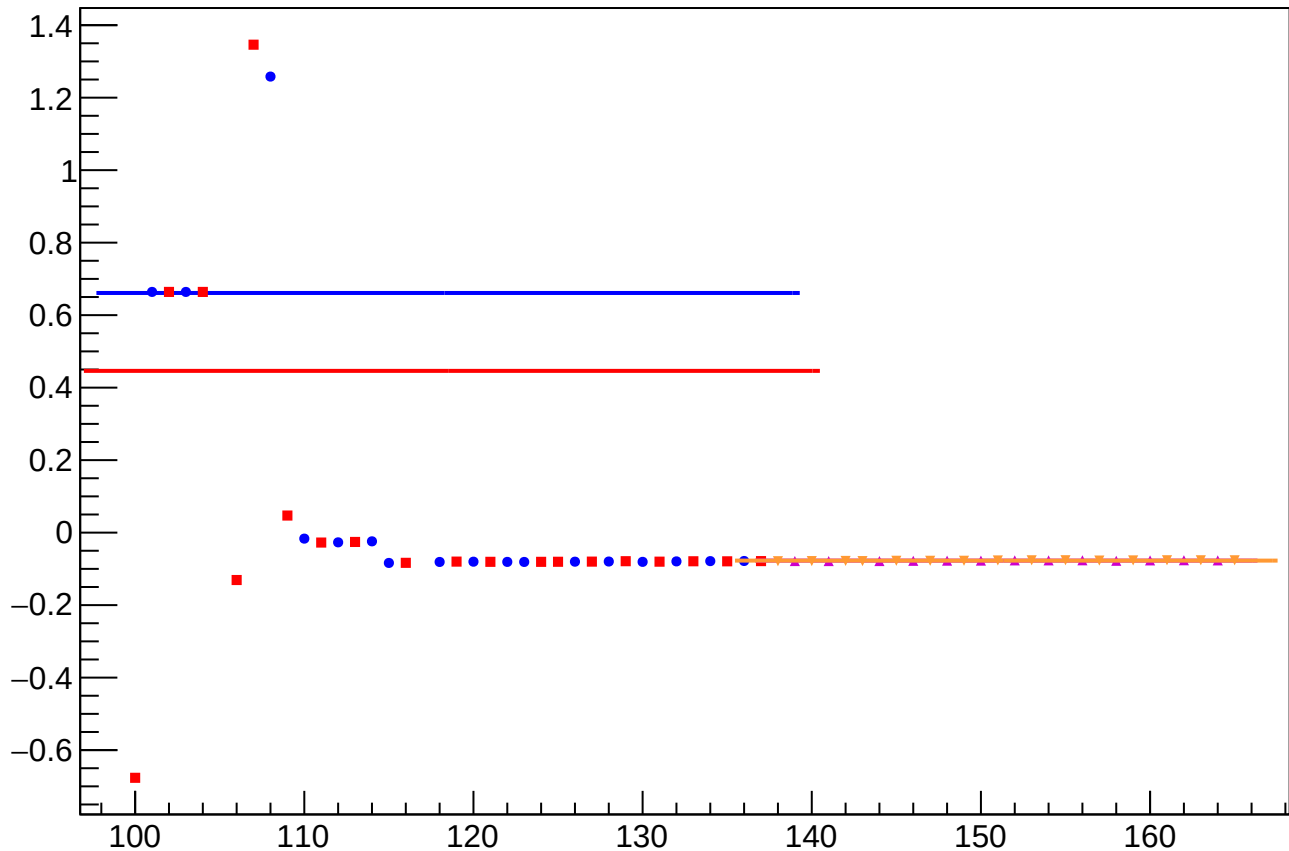
Left In: 0.009+/-0.000 χ^2/NDF : 515080.3/12

+ sign 0.000+/-0.000 χ^2/NDF : 25453603.5/31

All: 0.000+/-0.000 χ^2/NDF : 50574091.0/63

- sign 0.000+/-0.000 χ^2/NDF : 25118086.9/31

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.077+/-0.000 χ^2/NDF : 27416183.0/14

Right Out: 0.446+/-0.000 χ^2/NDF : 405416924315199.0/18

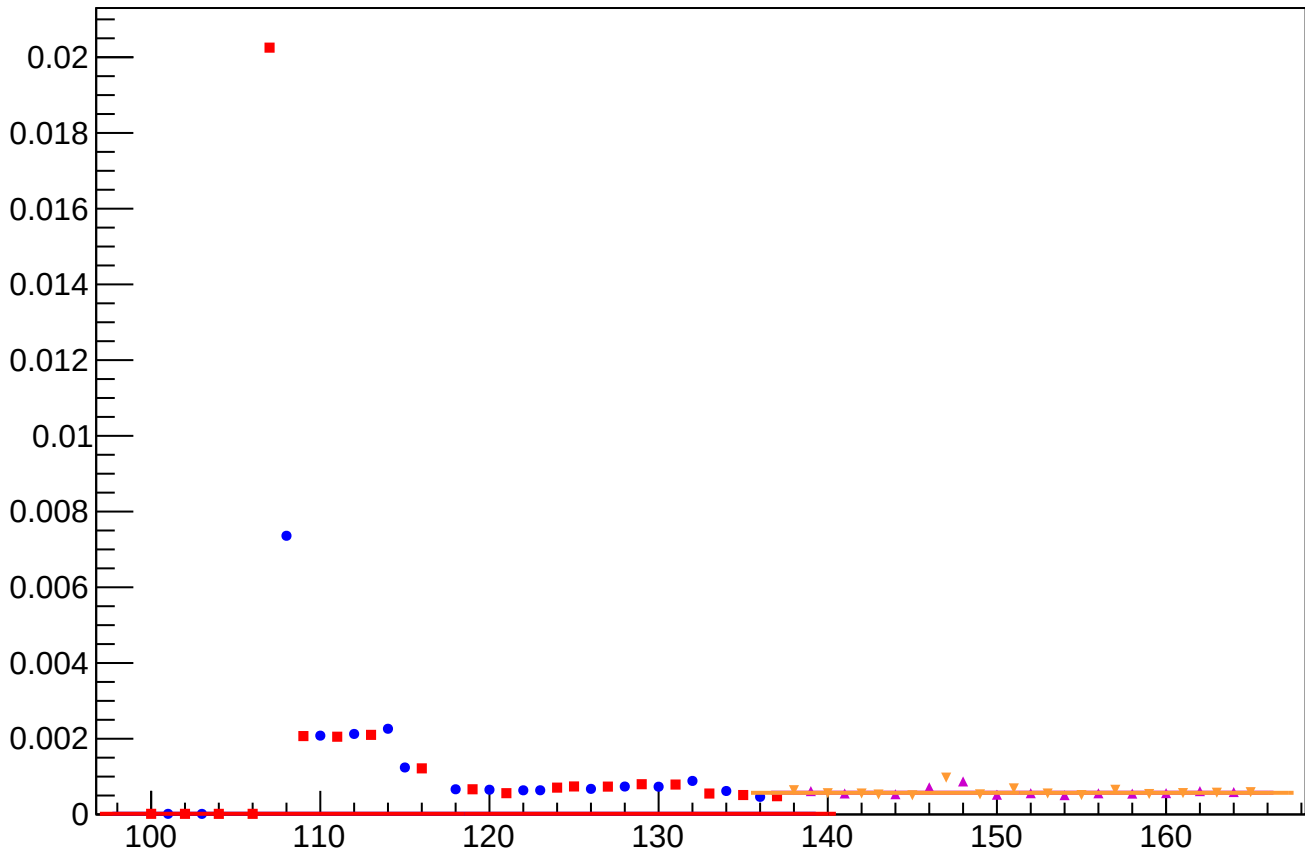
Left In: -0.077+/-0.000 χ^2/NDF : 19563499.4/12

+ sign 0.652+/-0.000 χ^2/NDF : 22900908169016.0/3

All: 0.542+/-0.000 χ^2/NDF : 49793465054002

- sign 0.441+/-0.000 χ^2/NDF : 413493457852390.8/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 407969.9/14

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

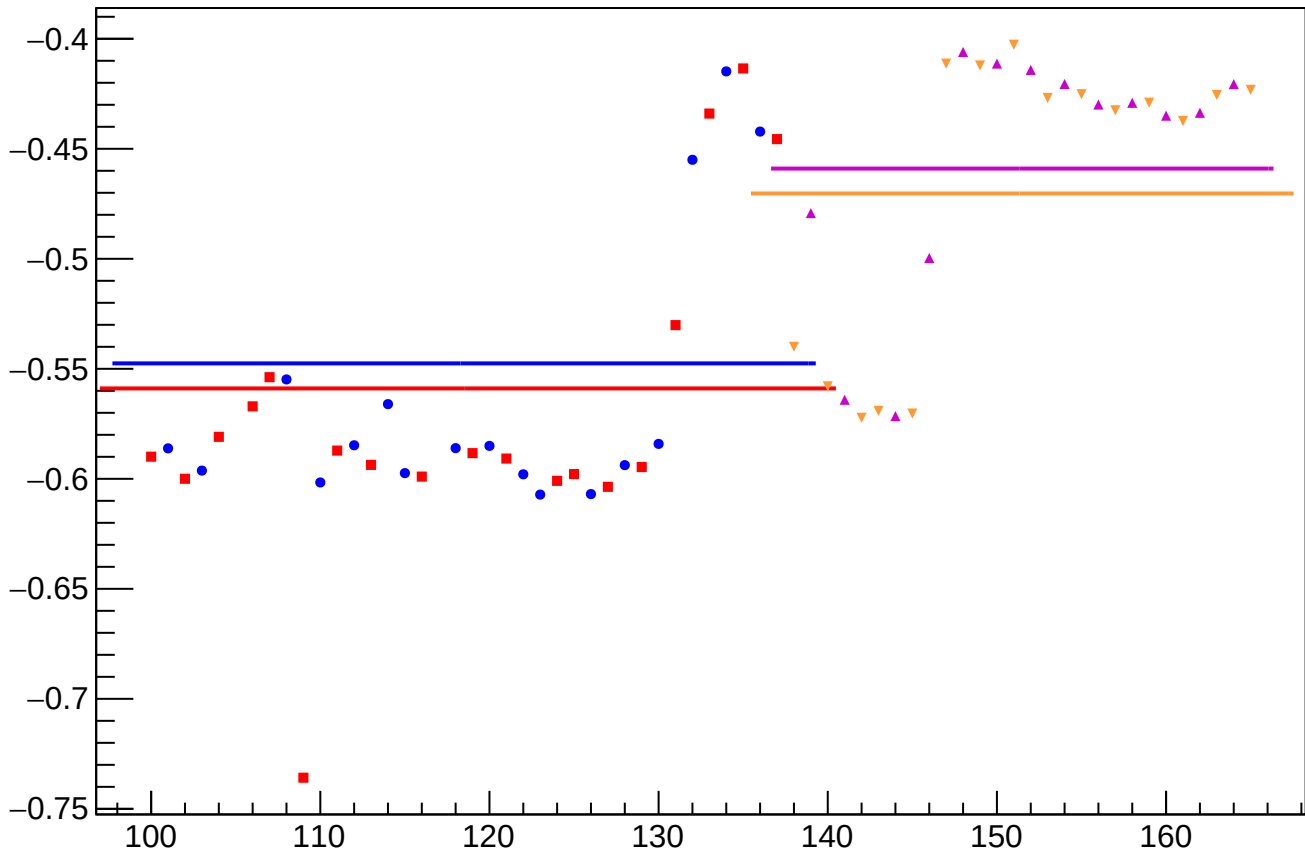
Left In: 0.001+/-0.000 χ^2/NDF : 312625.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 29709031.1/31

All: 0.000+/-0.000 χ^2/NDF : 57730873.2/63

- sign 0.000+/-0.000 χ^2/NDF : 28018839.3/31

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.470+/-0.000 χ^2/NDF : 99782763.0/14

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

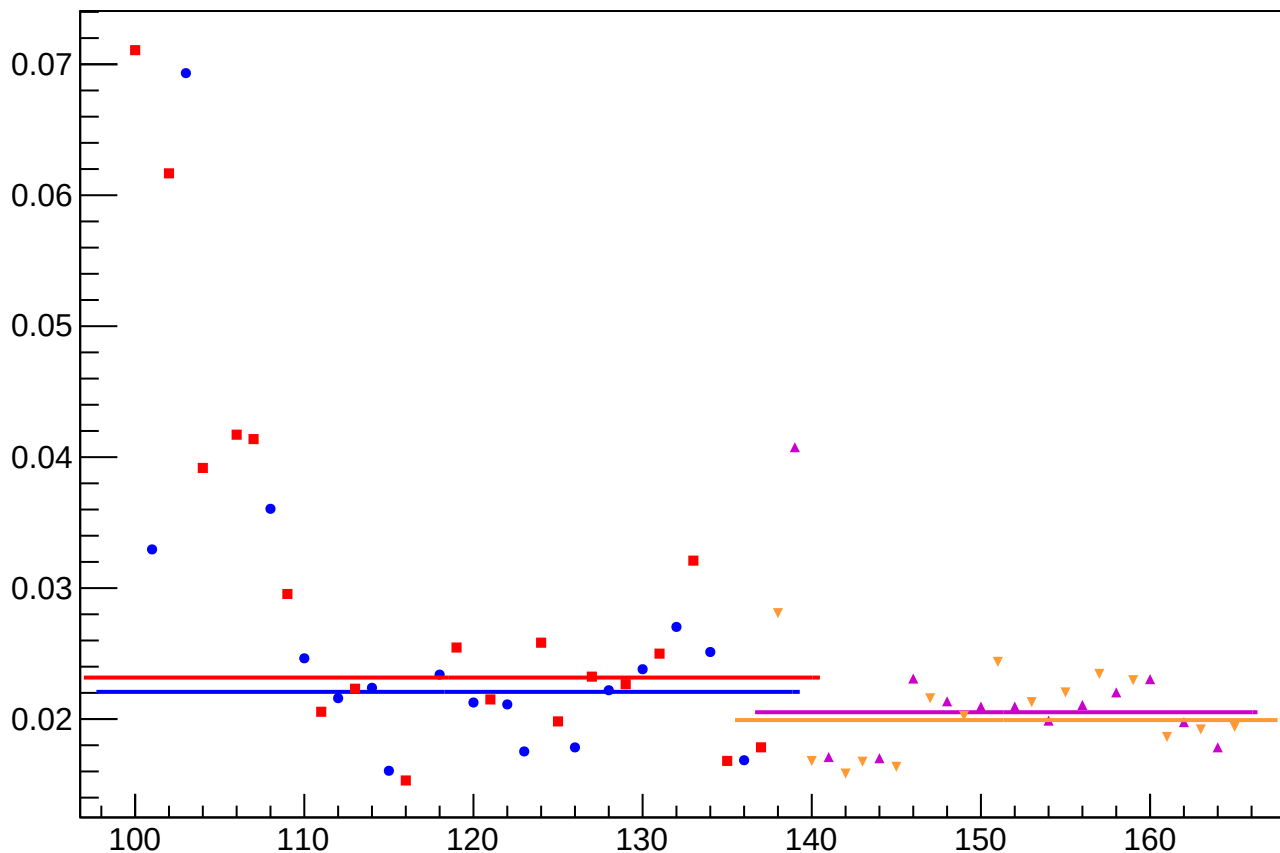
Left In: -0.459+/-0.000 χ^2/NDF : 71256993.0/12

+ sign -0.495+/-0.000 χ^2/NDF : 190326638.4/31

All: -0.494+/-0.000 χ^2/NDF : 392644647.2/63

- sign -0.493+/-0.000 χ^2/NDF : 202234310.5/31

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 : 393105.0/14

Right Out: 0.023 ± 0.000 χ^2/NDF : 1156758.3/18

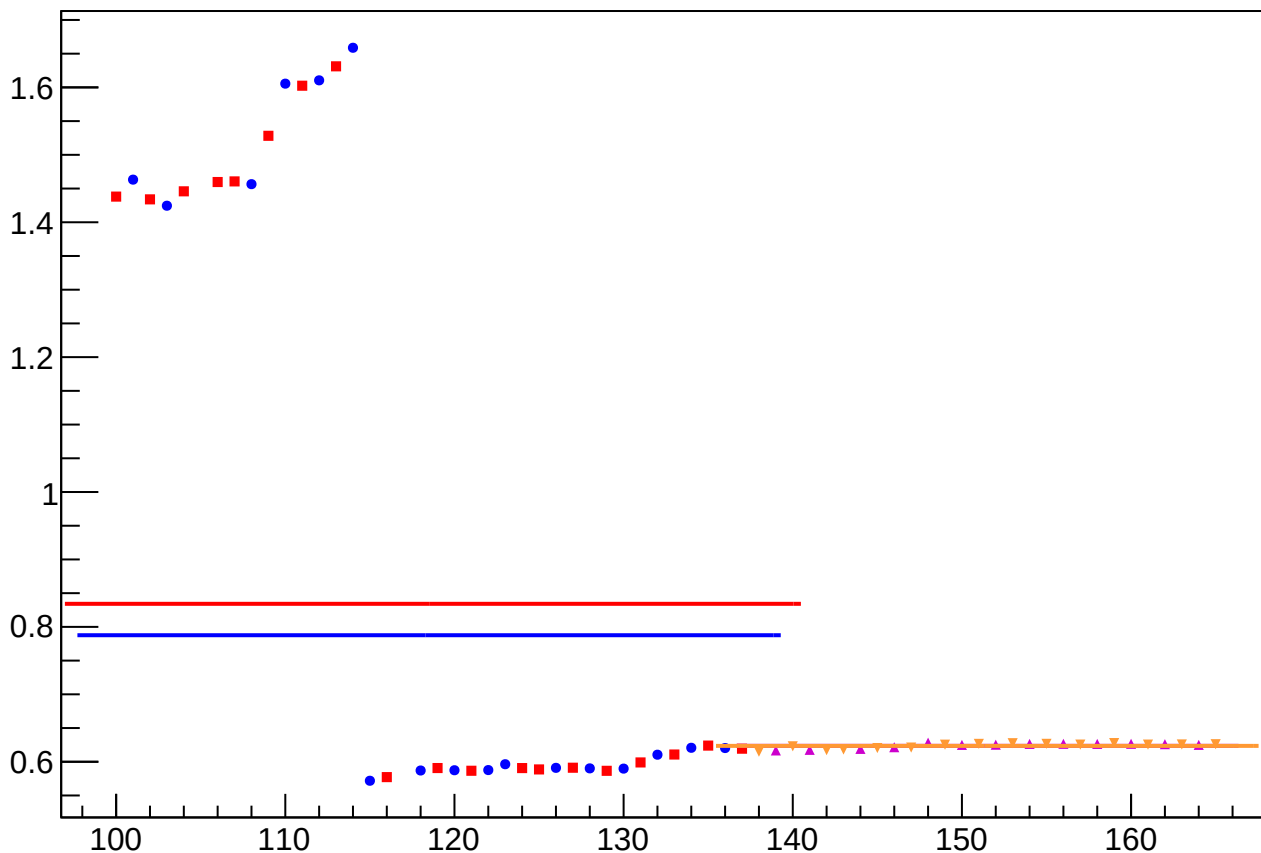
Left In: 0.021 ± 0.000 χ^2/NDF : 523074.5/12

+ sign 0.021 ± 0.000 χ^2/NDF : 1413347.2/31

All: 0.021 ± 0.000 χ^2/NDF : 3205220.4/63

- sign 0.021 ± 0.000 χ^2/NDF : 1771962.0/31

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 : 1039613.3/14

Right Out: 0.834 $\pm$ 0.000 χ^2/NDF : 4152115639.4/18

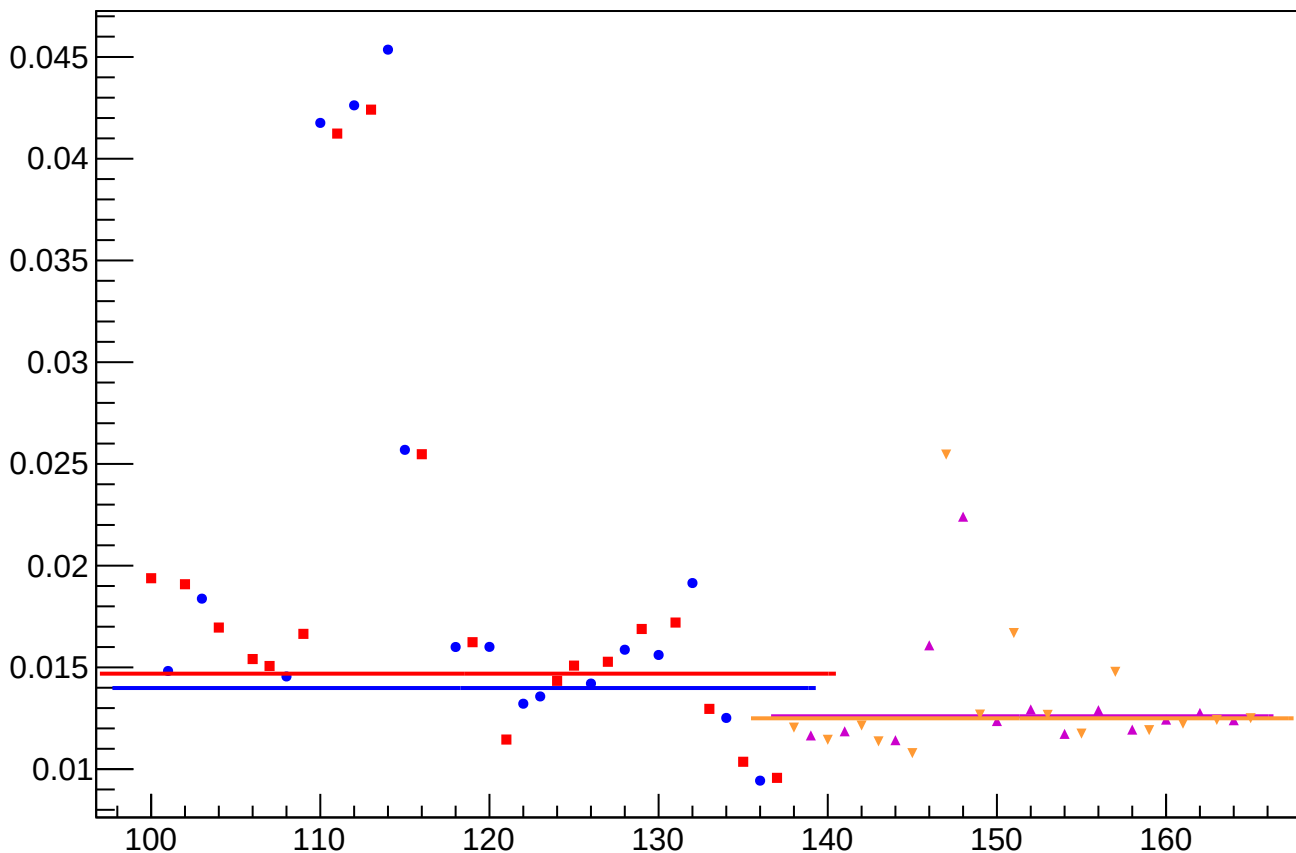
Left In: 0.624 $\pm$ 0.000 χ^2/NDF : 867331.9/12

+ sign 0.673 $\pm$ 0.000 χ^2/NDF : 4124435438.7/31

All: 0.680 $\pm$ 0.000 χ^2/NDF : 9141728358.3/63

- sign 0.689 $\pm$ 0.000 χ^2/NDF : 5005209215.4/31

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:588380.5/14

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1258511.3/18

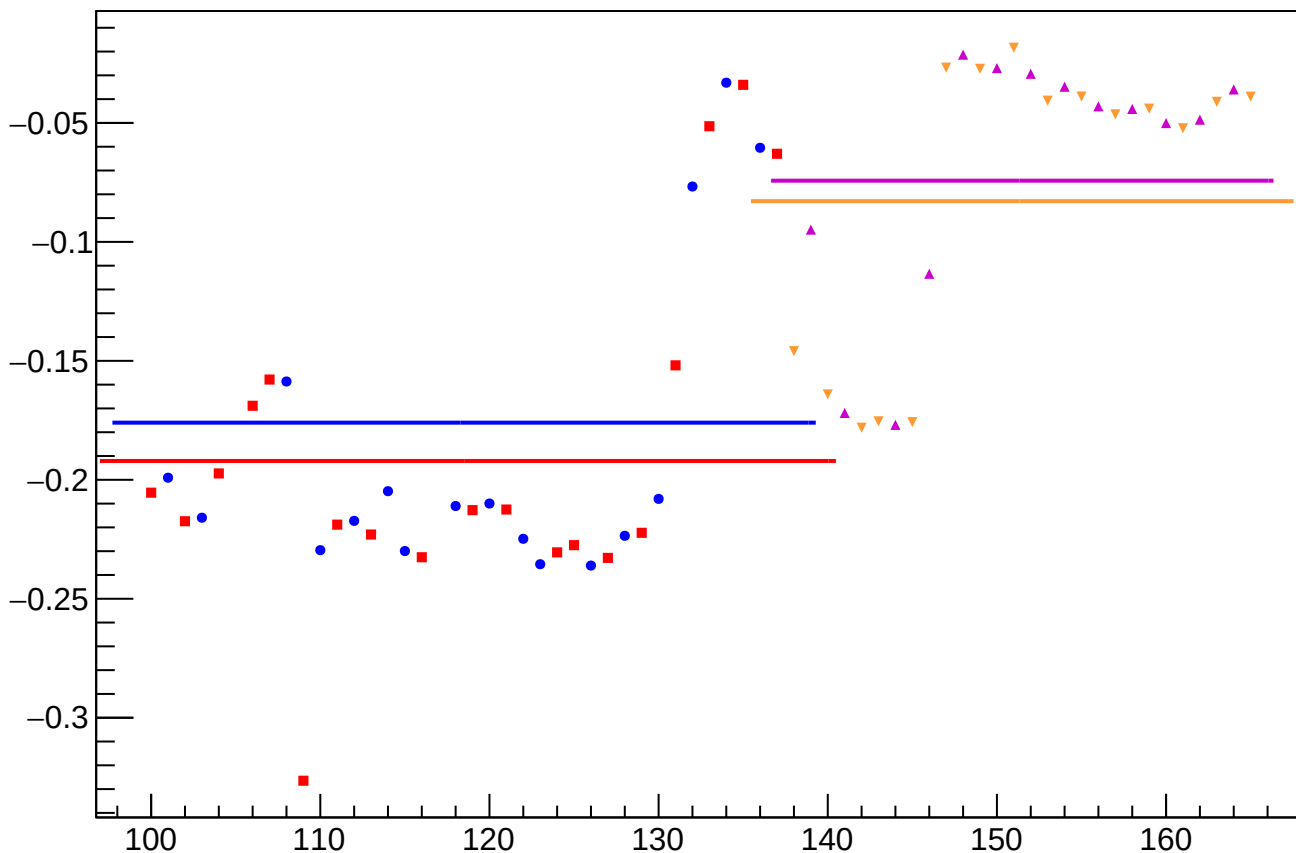
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:409951.4/12

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2076072.6/31

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3921550.4/63

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1836937.2/31

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.083+/-0.000 χ^2/NDF : 95461542.9/14

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

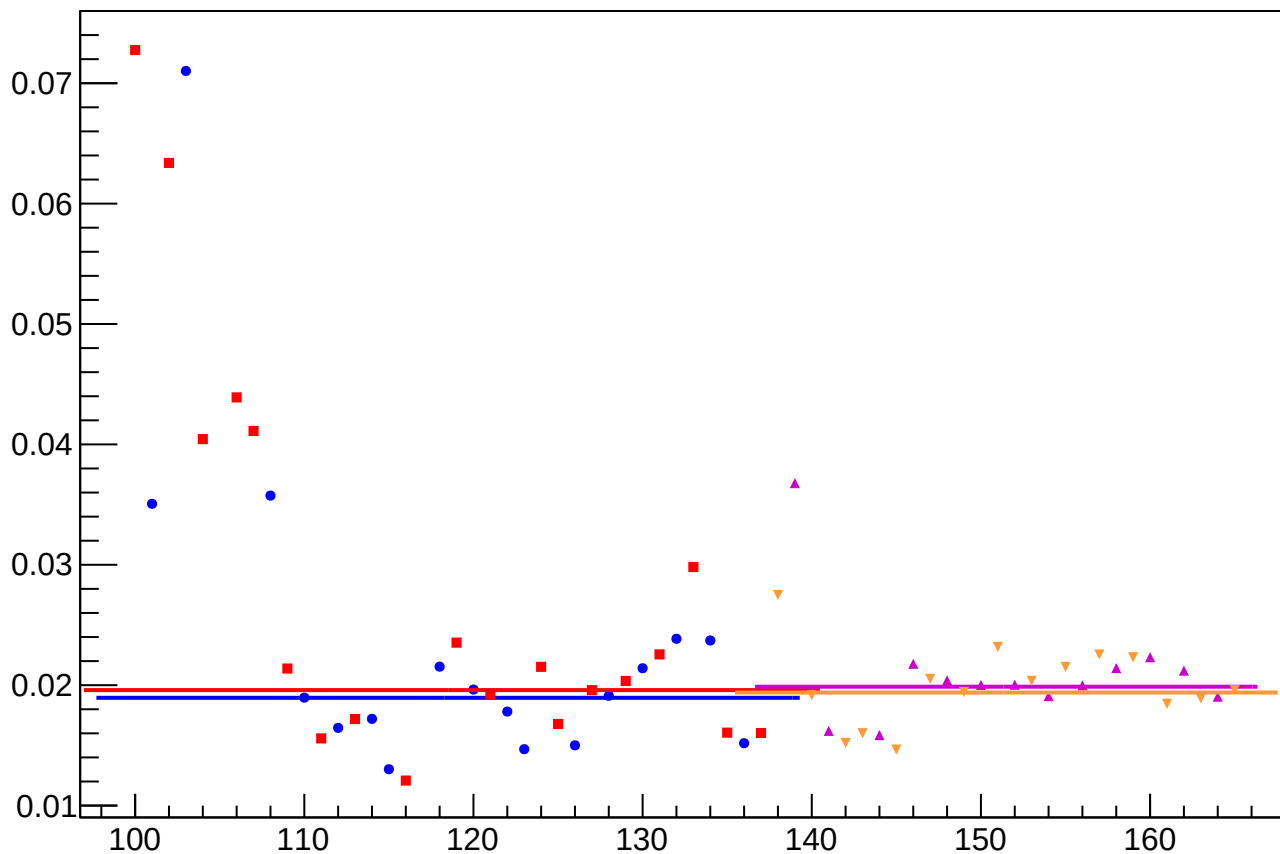
Left In: -0.074+/-0.000 χ^2/NDF : 71795503.9/12

+ sign -0.117+/-0.000 χ^2/NDF : 240955863.5/31

All: -0.119+/-0.000 χ^2/NDF : 510296021.8/63

- sign -0.120+/-0.000 χ^2/NDF : 269163246.8/31

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 : 417052.7/14

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

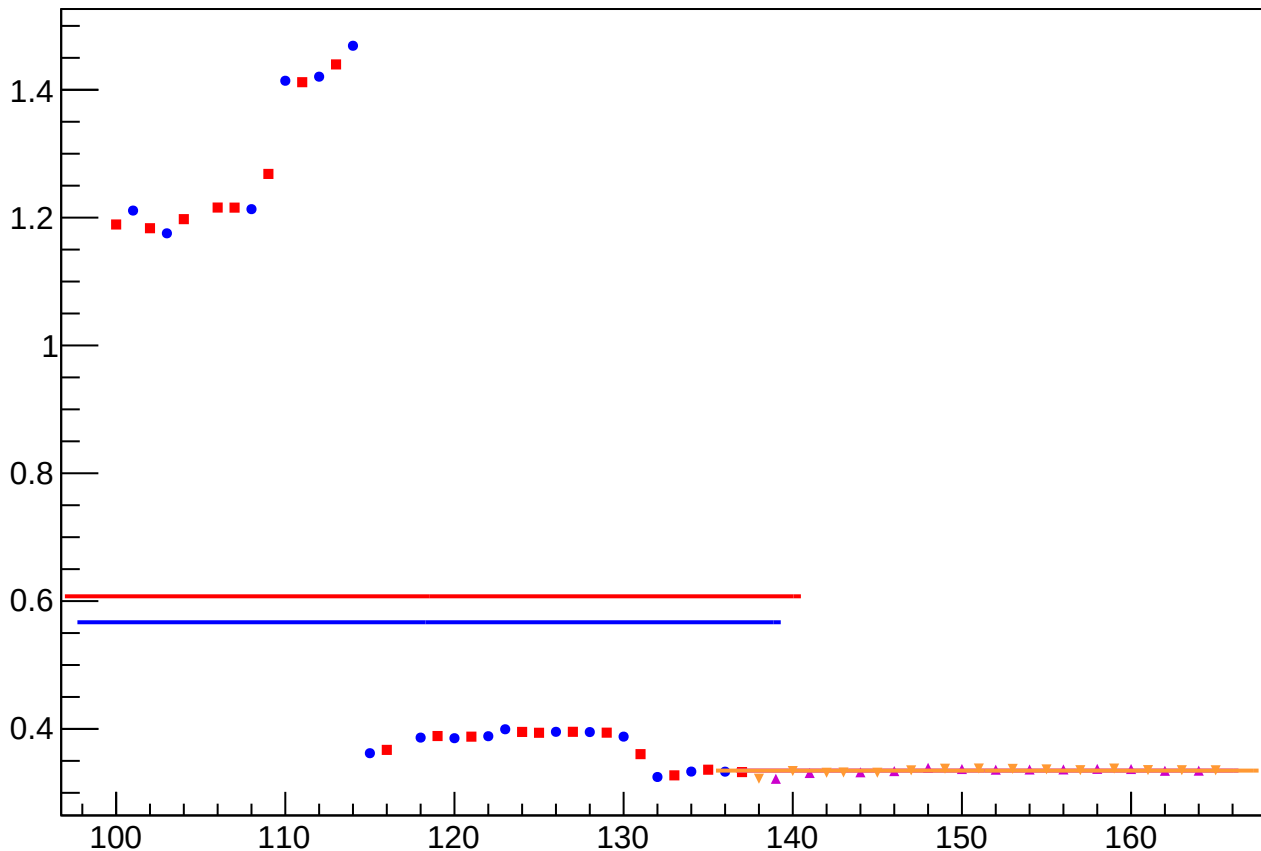
Left In: 0.020+/-0.000 χ^2/NDF : 490291.3/12

+ sign 0.019+/-0.000 χ^2/NDF : 1623646.6/31

All: 0.019+/-0.000 χ^2/NDF : 3580874.5/63

- sign 0.020+/-0.000 χ^2/NDF : 1946924.0/31

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1069035.7/14

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

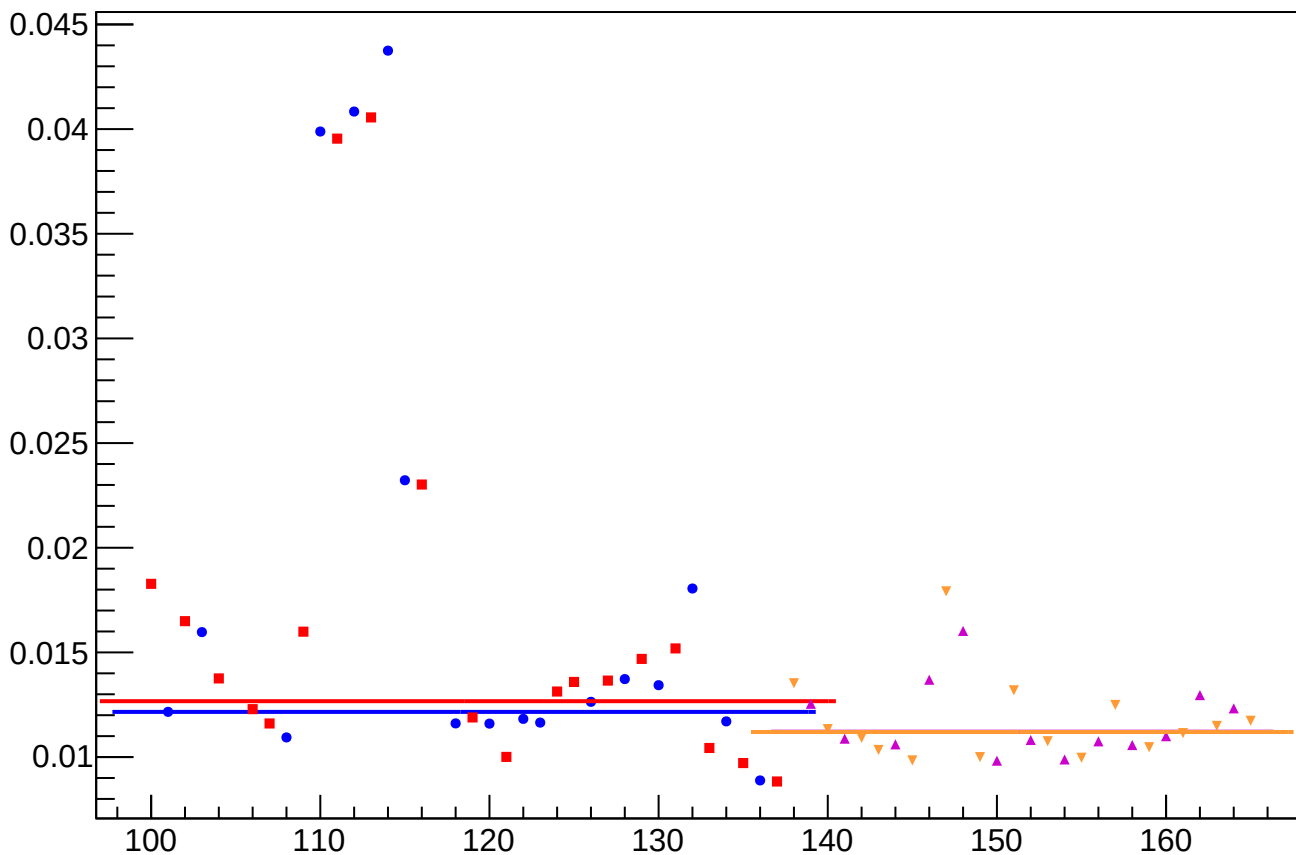
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1150975.0/12

+ sign 0.407 $\pm$ 0.000 χ^2 /NDF: 6423605327.2/31

All: 0.414 $\pm$ 0.000 χ^2 /NDF: 13798204049.9/6

- sign 0.422 $\pm$ 0.000 χ^2 /NDF: 7361656751.6/31

yield_bpm4eY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 398637.0/14

Right Out: 0.013 ± 0.000 χ^2/NDF : 1267219.4/18

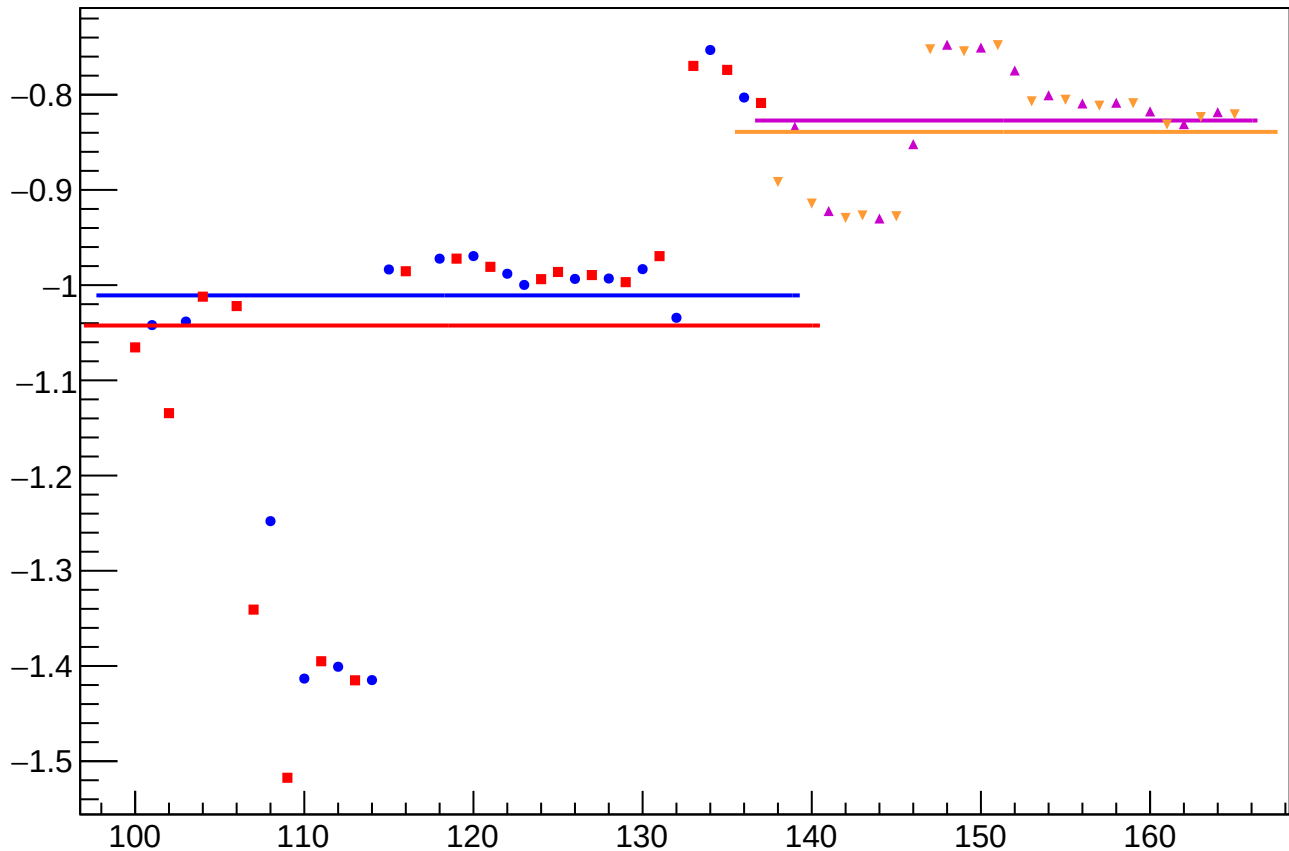
Left In: 0.011 ± 0.000 χ^2/NDF : 321499.1/12

+ sign 0.011 ± 0.000 χ^2/NDF : 1754659.6/31

All: 0.012 ± 0.000 χ^2/NDF : 3453307.3/63

- sign 0.012 ± 0.000 χ^2/NDF : 1694816.4/31

yield_bpm4acX_mean vs Slug



Right In: -1.011 ± 0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.839 ± 0.000 χ^2/NDF : 92753793.8/14

Right Out: -1.042 ± 0.000 χ^2/NDF : 528958824.5/18

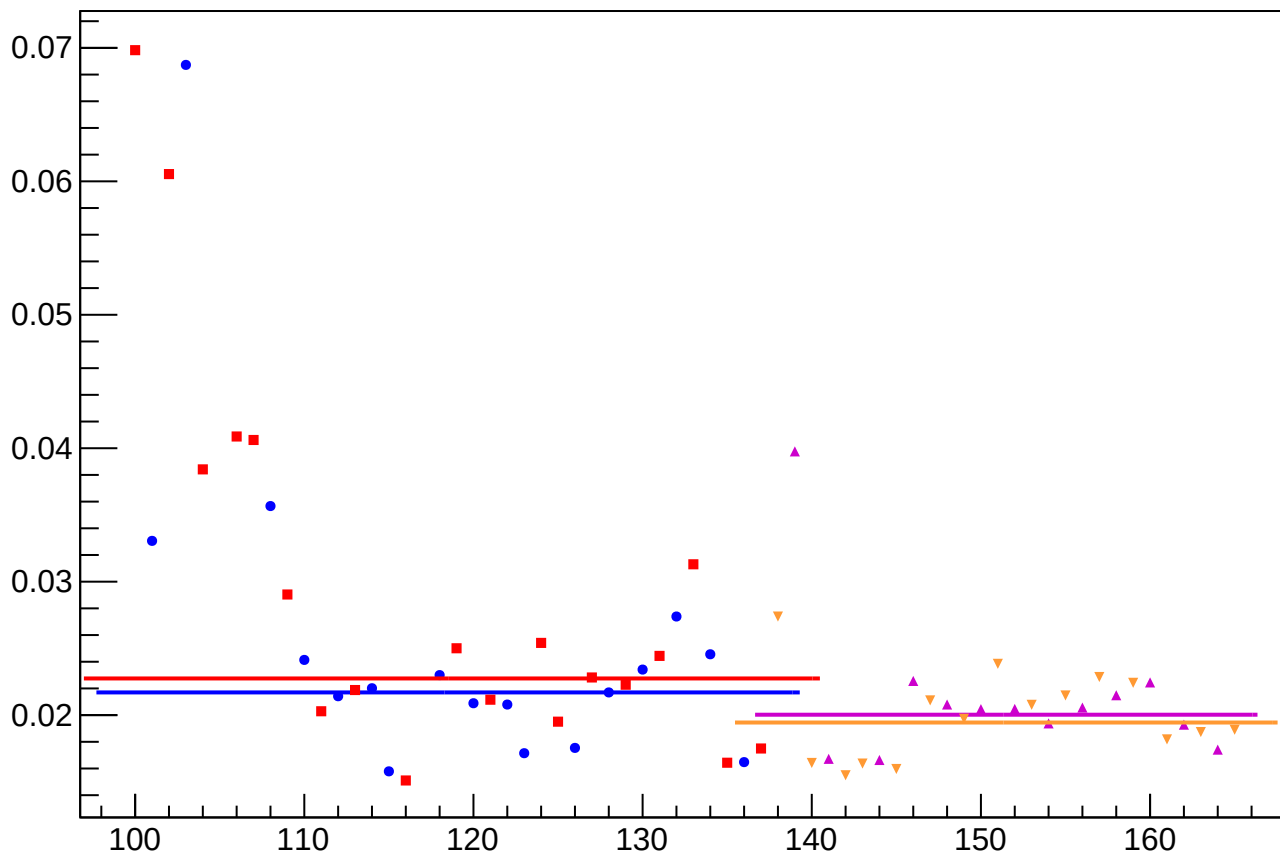
Left In: -0.827 ± 0.000 χ^2/NDF : 70153023.6/12

+ sign -0.893 ± 0.000 χ^2/NDF : 695648685.3/31

All: -0.896 ± 0.000 χ^2/NDF : 1612236285.4/6

- sign -0.899 ± 0.000 χ^2/NDF : 916074269.4/31

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 391373.2/14

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

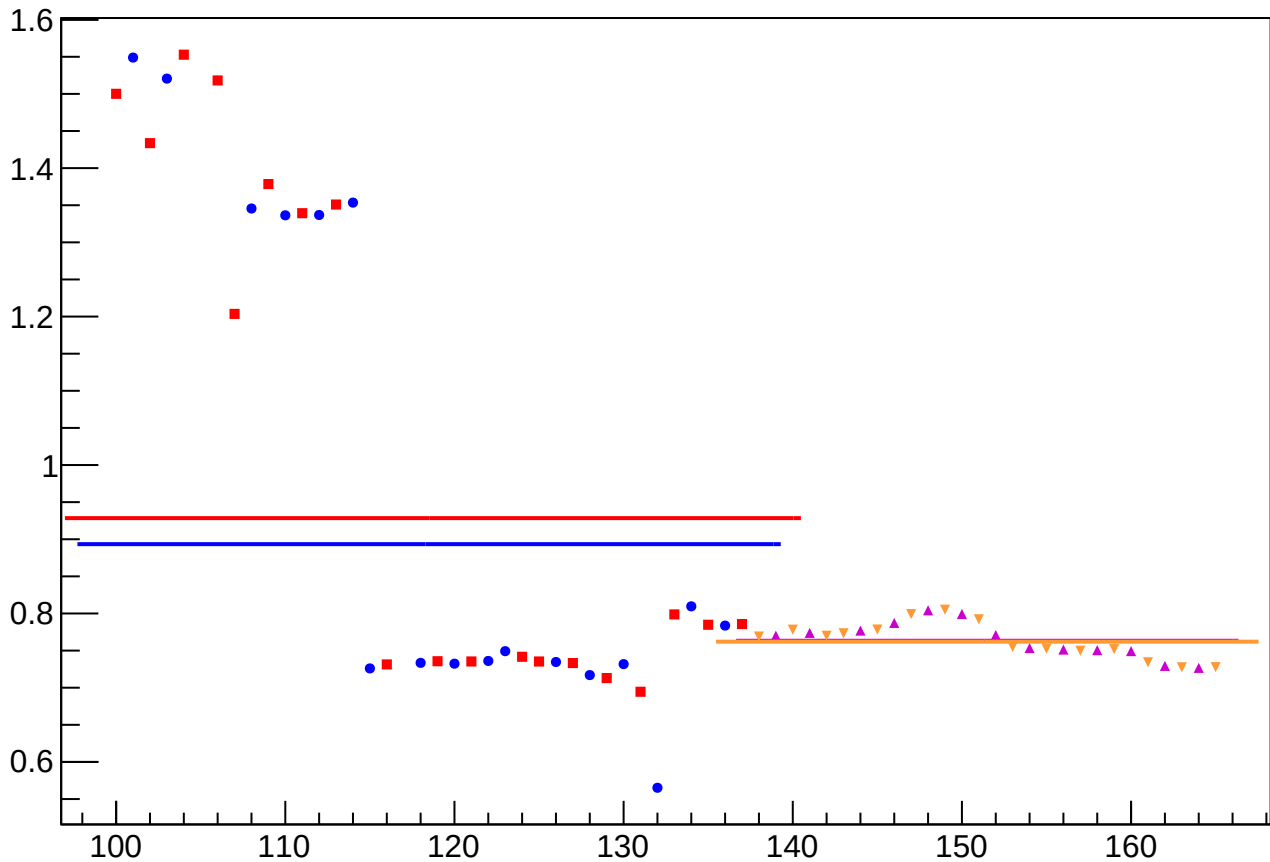
Left In: 0.020+/-0.000 χ^2/NDF : 519990.5/12

+ sign 0.020+/-0.000 χ^2/NDF : 1445084.2/31

All: 0.021+/-0.000 χ^2/NDF : 3237921.9/63

- sign 0.021+/-0.000 χ^2/NDF : 1773297.6/31

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.762+/-0.000 χ^2/NDF : 33555811.9/14

Right Out: 0.928+/-0.000 χ^2/NDF : 2435640156.0/18

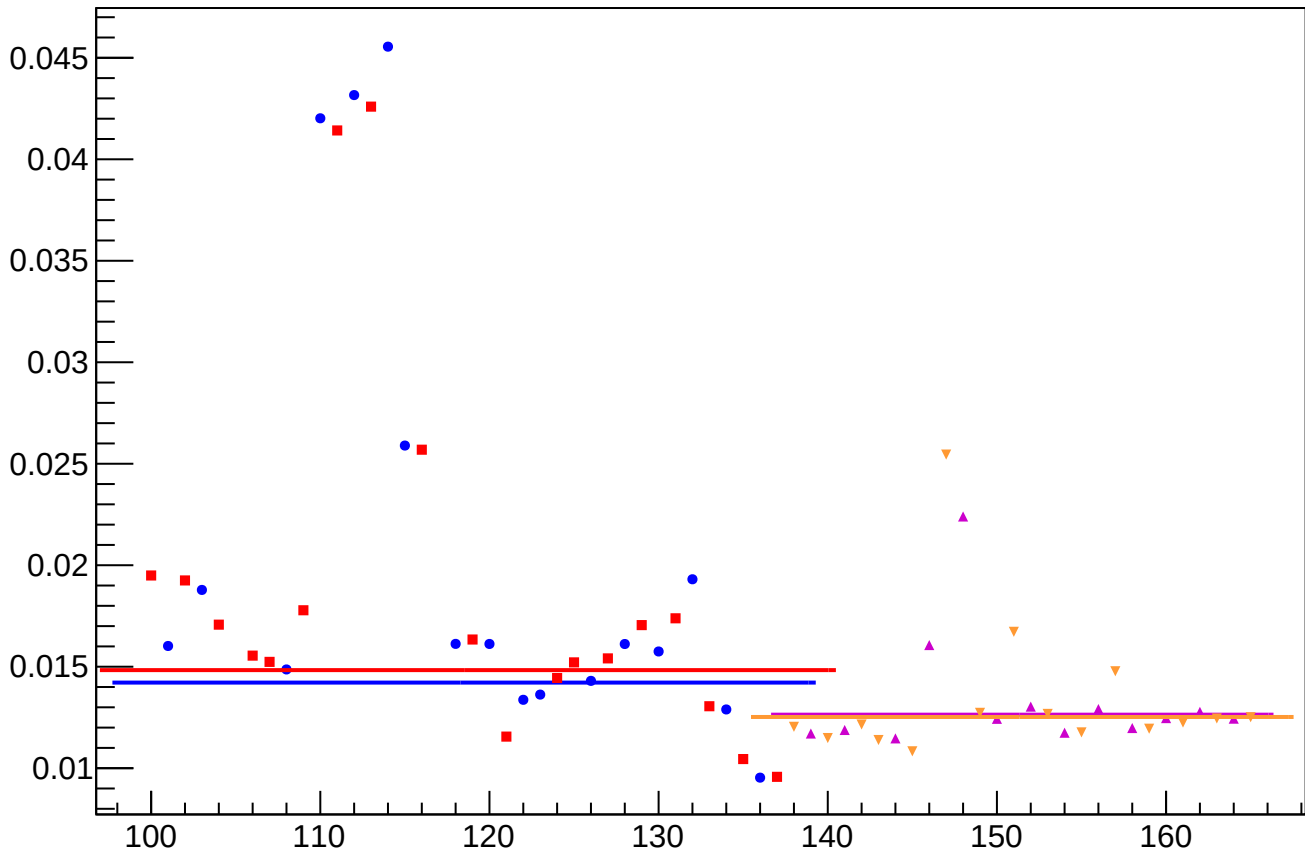
Left In: 0.763+/-0.000 χ^2/NDF : 27144013.4/12

+ sign 0.800+/-0.000 χ^2/NDF : 2779258248.1/31

All: 0.807+/-0.000 χ^2/NDF : 5765446657.6/63

- sign 0.814+/-0.000 χ^2/NDF : 2977966430.8/31

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF :583815.9/14

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1269559.2/18

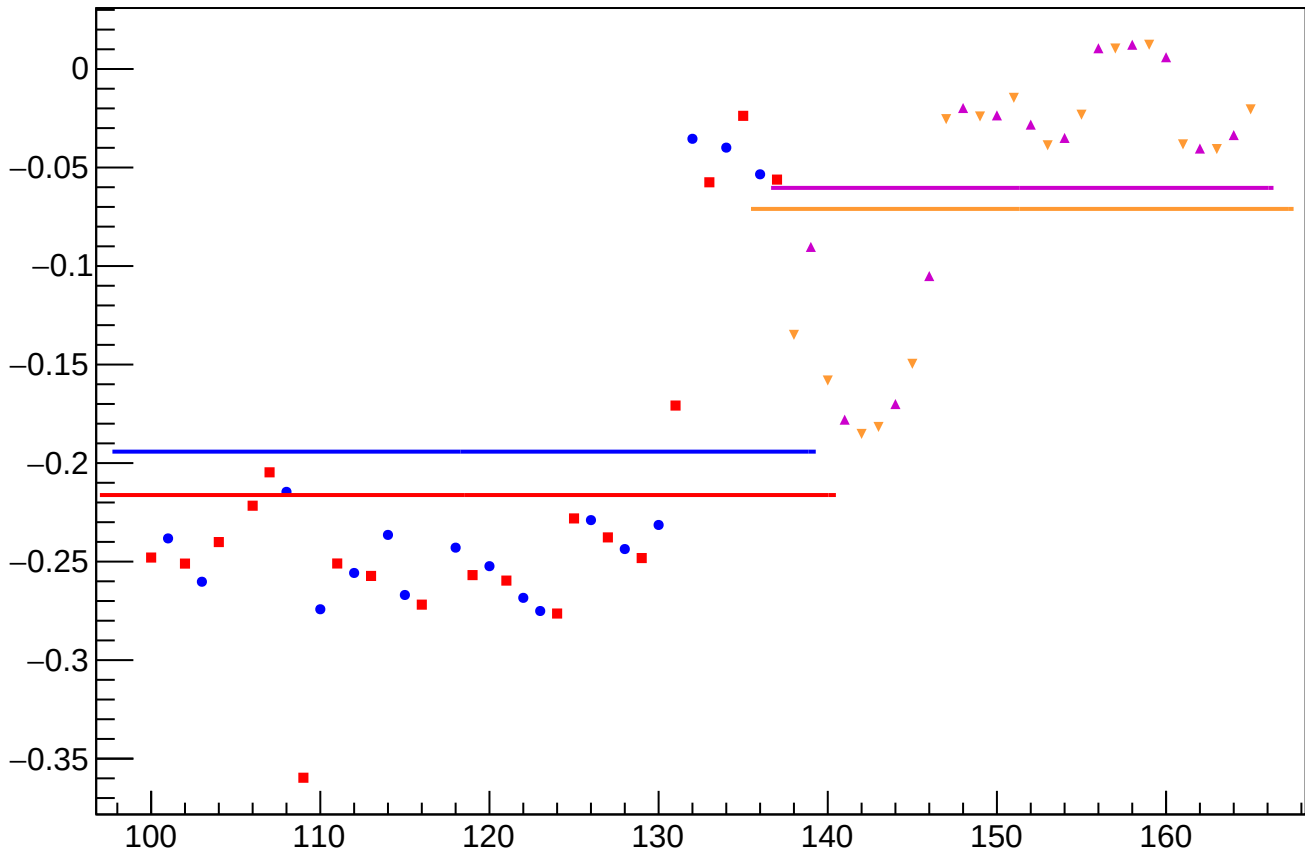
Left In: 0.013 $\pm$ 0.000 χ^2/NDF :405559.6/12

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2105732.9/31

All: 0.013 $\pm$ 0.000 χ^2/NDF : 3970445.1/63

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 1856991.8/31

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.071+/-0.000 χ^2/NDF : 113000728.2/14

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

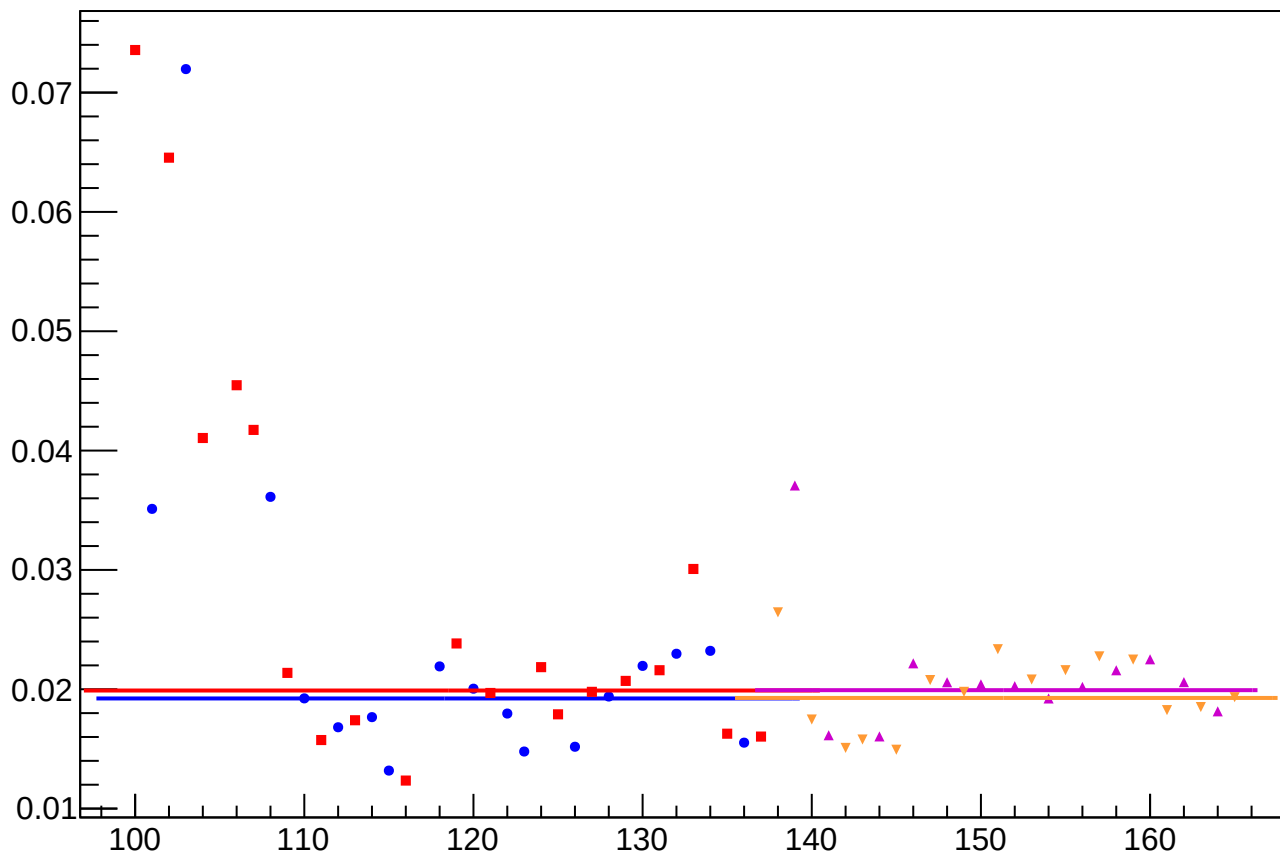
Left In: -0.060+/-0.000 χ^2/NDF : 95299745.9/12

+ sign -0.115+/-0.000 χ^2/NDF : 351374727.9/31

All: -0.118+/-0.000 χ^2/NDF : 753336229.0/63

- sign -0.120+/-0.000 χ^2/NDF : 401527067.7/31

yield_bpm4ecX_rms vs Slug



Right In: 0.019 ± 0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 420442.3/14

Right Out: 0.020 ± 0.000 χ^2/NDF : 1444442.2/18

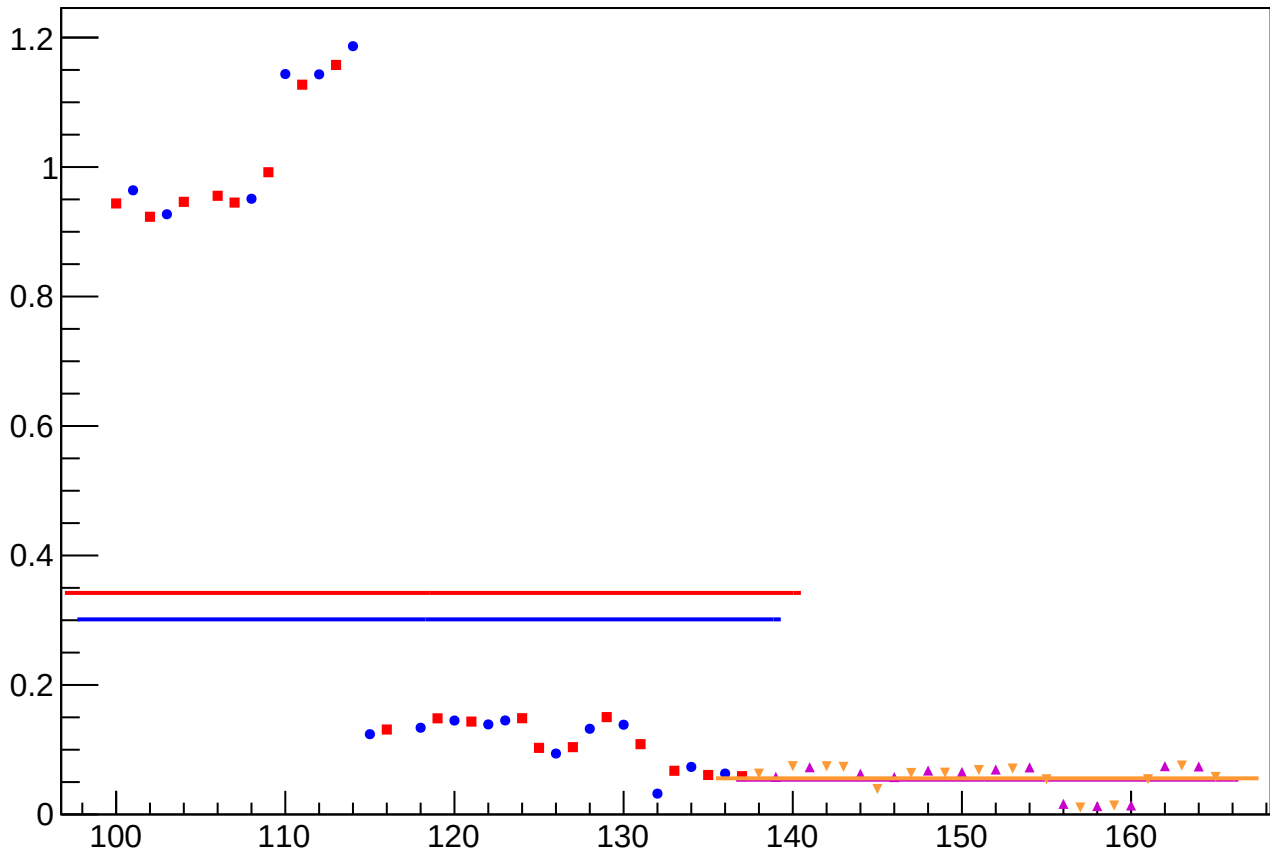
Left In: 0.020 ± 0.000 χ^2/NDF : 501154.6/12

+ sign 0.019 ± 0.000 χ^2/NDF : 1595049.9/31

All: 0.020 ± 0.000 χ^2/NDF : 3555939.9/63

- sign 0.020 ± 0.000 χ^2/NDF : 1945610.3/31

yield_bpm4ecY_mean vs Slug



Right In: 0.301 $\pm$ 0.000 χ^2 /NDF: 5154791073.8/16

Left Out: 0.056 $\pm$ 0.000 χ^2 /NDF: 37231266.1/14

+ sign 0.131 $\pm$ 0.000 χ^2 /NDF: 6800641284.3/31

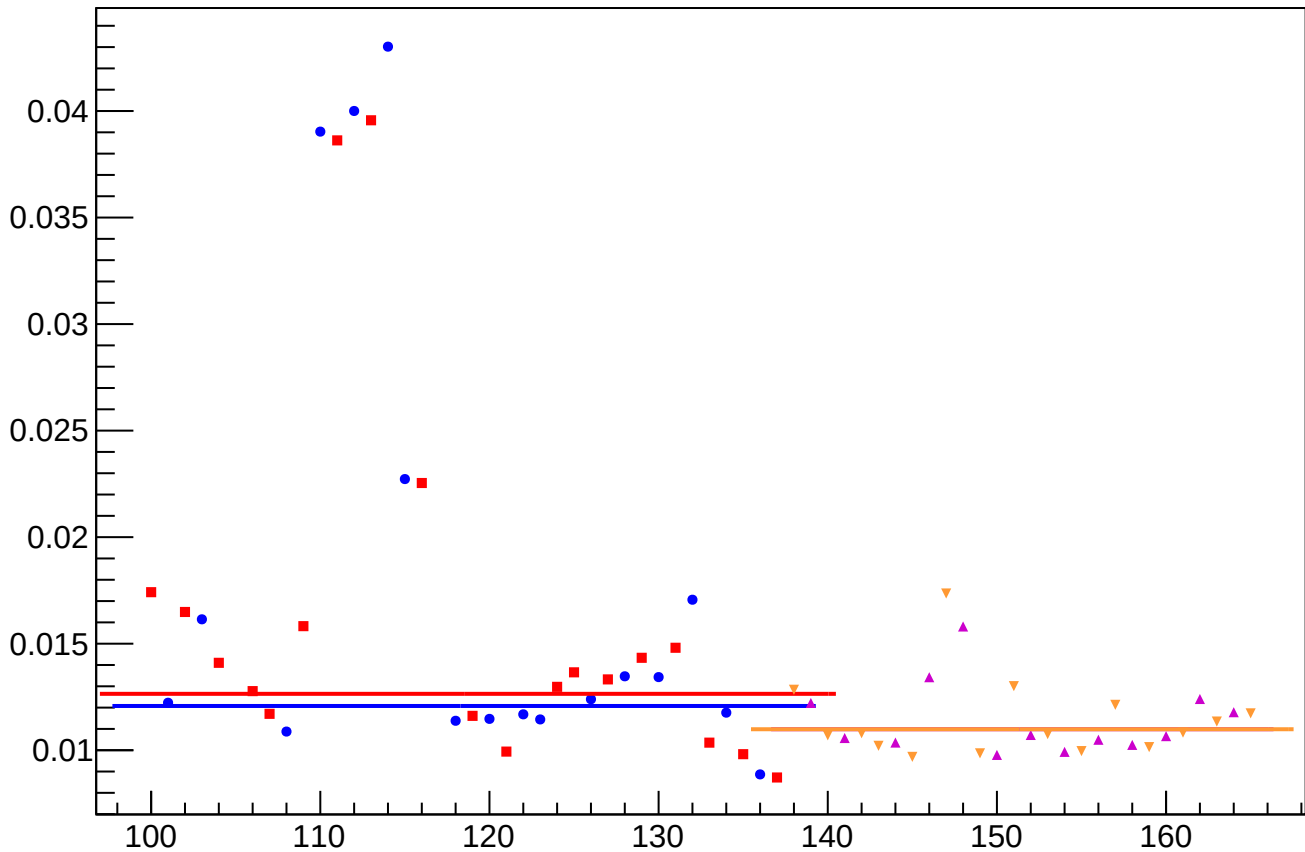
Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 5442717599.3/18

All: 0.137 $\pm$ 0.000 χ^2 /NDF: 14409833111.2/6

Left In: 0.054 $\pm$ 0.000 χ^2 /NDF: 47269748.9/12

- sign 0.143 $\pm$ 0.000 χ^2 /NDF: 7599546989.7/31

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: 370025.8/14

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

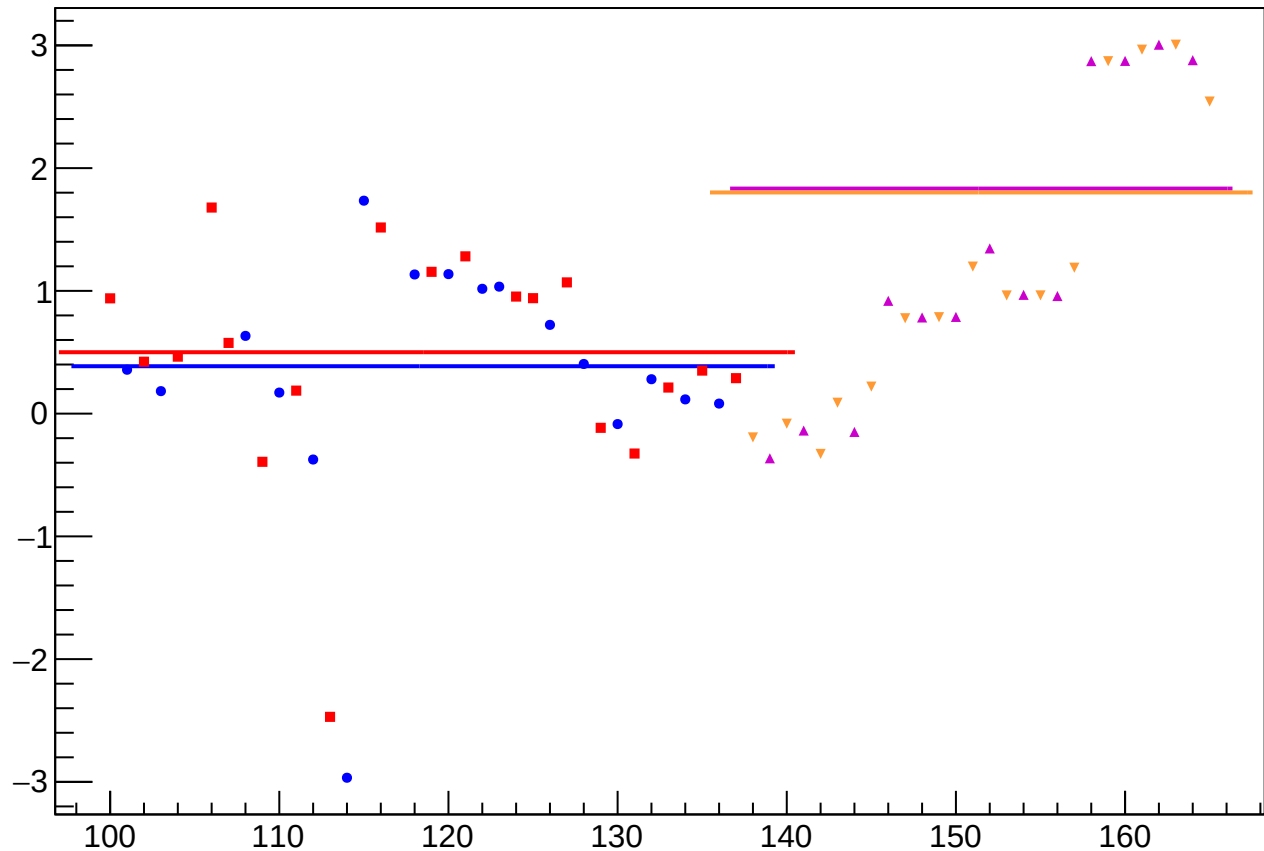
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 298784.0/12

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1713997.6/31

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3392875.3/63

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1674762.5/31

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.802+/-0.000 χ^2/NDF : 25415950511.2/14

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

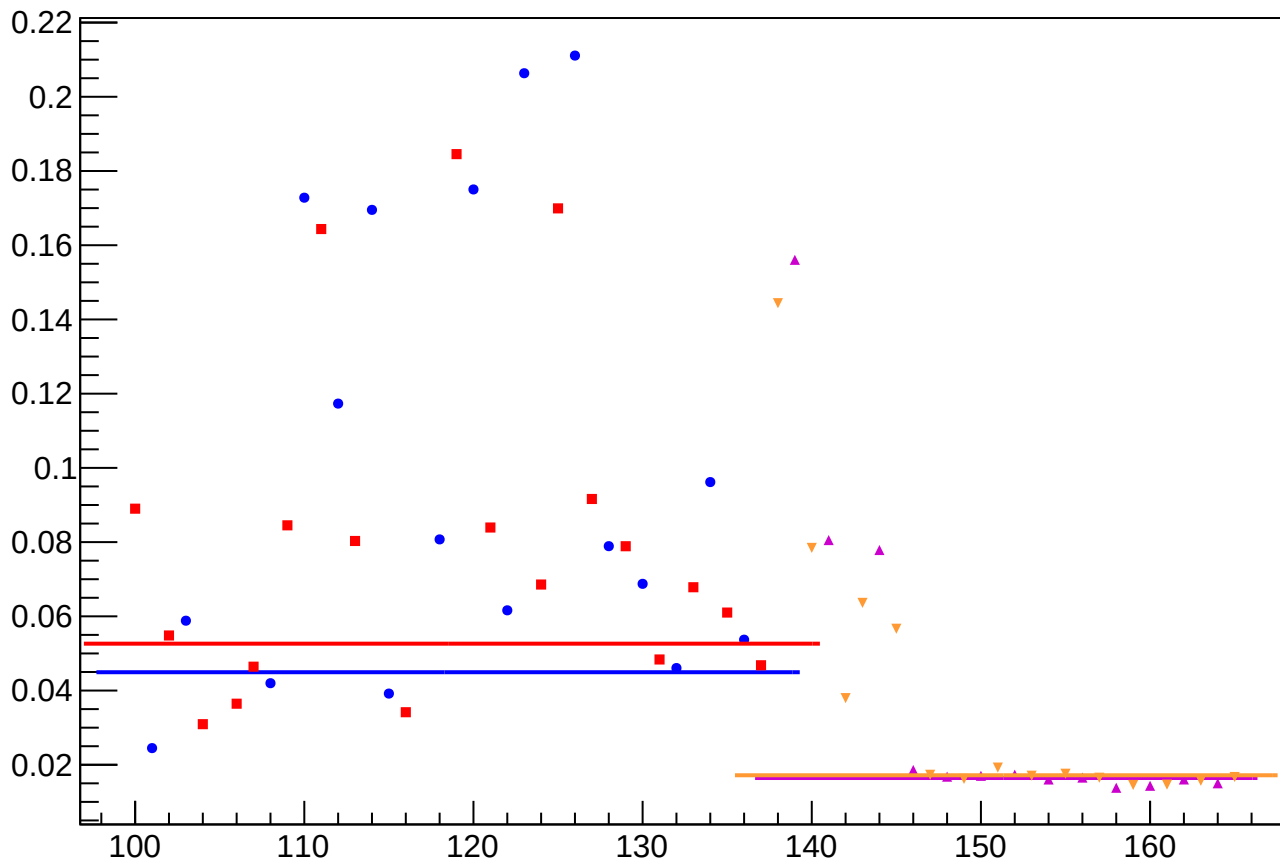
Left In: 1.833+/-0.000 χ^2/NDF : 26393671786.6/12

+ sign 1.713+/-0.000 χ^2/NDF : 28943601929.2/31

All: 1.738+/-0.000 χ^2/NDF : 58864000253.3/6

- sign 1.764+/-0.000 χ^2/NDF : 29884056817.0/31

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 :2733423.9/14

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

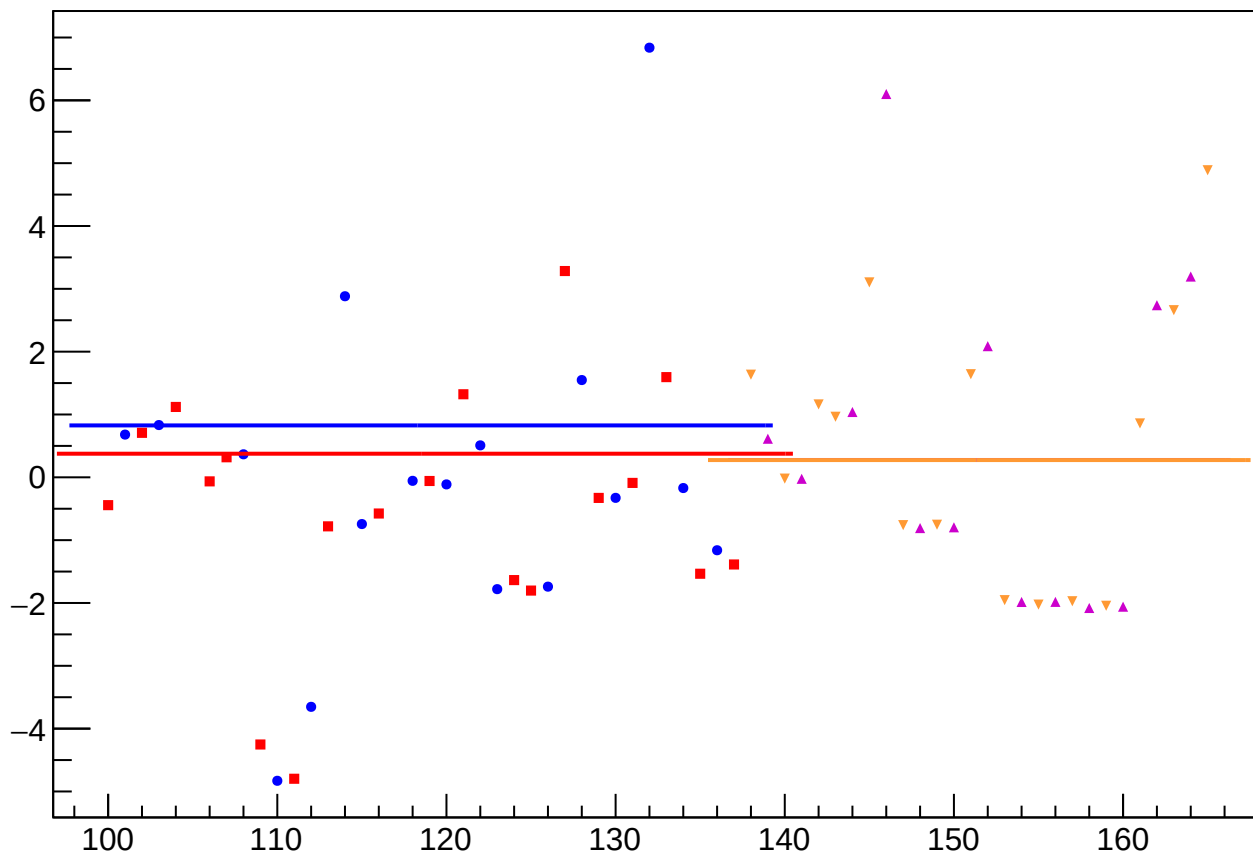
Left In: 0.016+/-0.000 χ^2/NDF :2401714.4/12

+ sign 0.019+/-0.000 χ^2/NDF : 8046352.9/31

All: 0.019+/-0.000 χ^2/NDF : 16345530.9/63

- sign 0.018+/-0.000 χ^2/NDF : 8289445.5/31

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.275+/-0.000 χ^2/NDF : 232521315768.3/14

Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

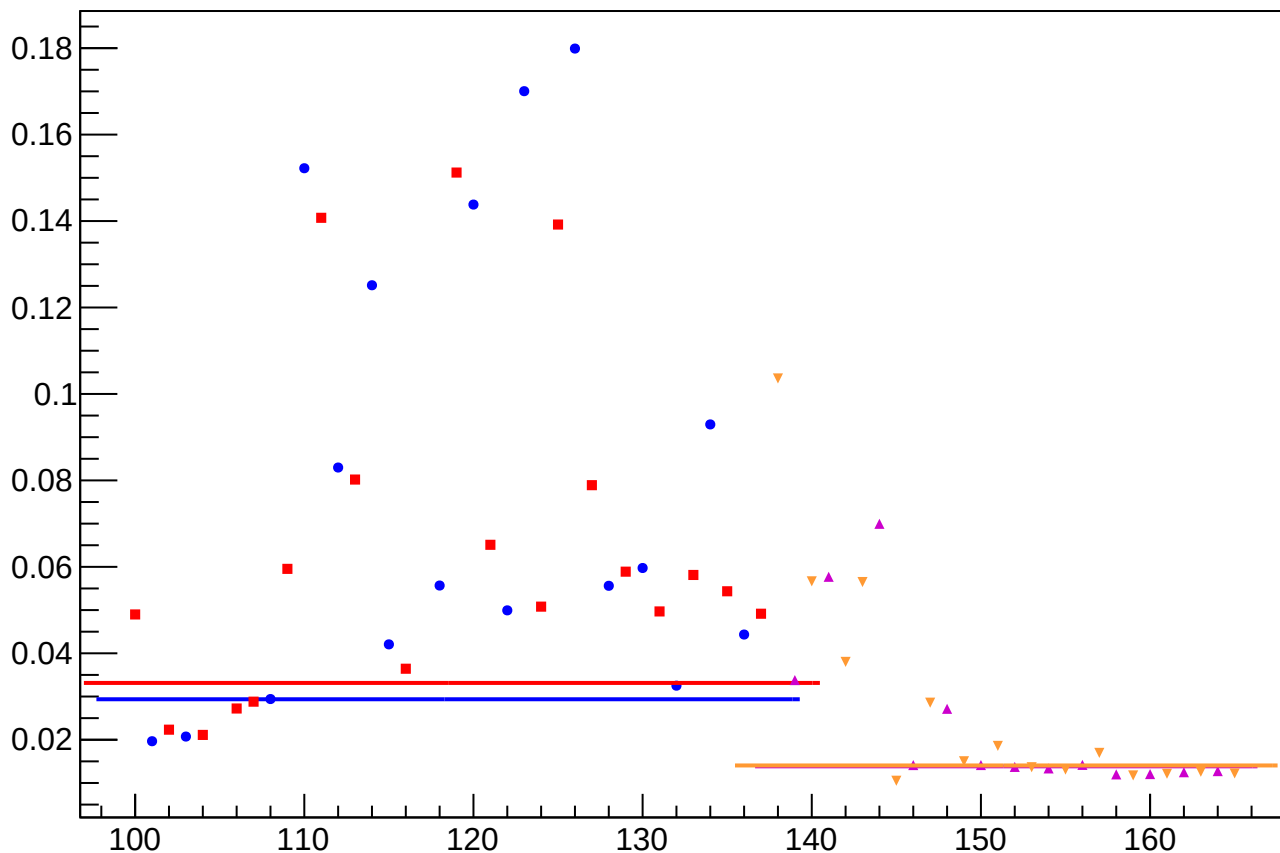
Left In: 0.276+/-0.000 χ^2/NDF : 300321544296.5/12

+ sign 0.323+/-0.000 χ^2/NDF : 244558581047.1/31

All: 0.303+/-0.000 χ^2/NDF : 549893762094.2

- sign 0.284+/-0.000 χ^2/NDF : 305300827905.8/31

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.014+/-0.000 χ^2/NDF :2812325.8/14

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

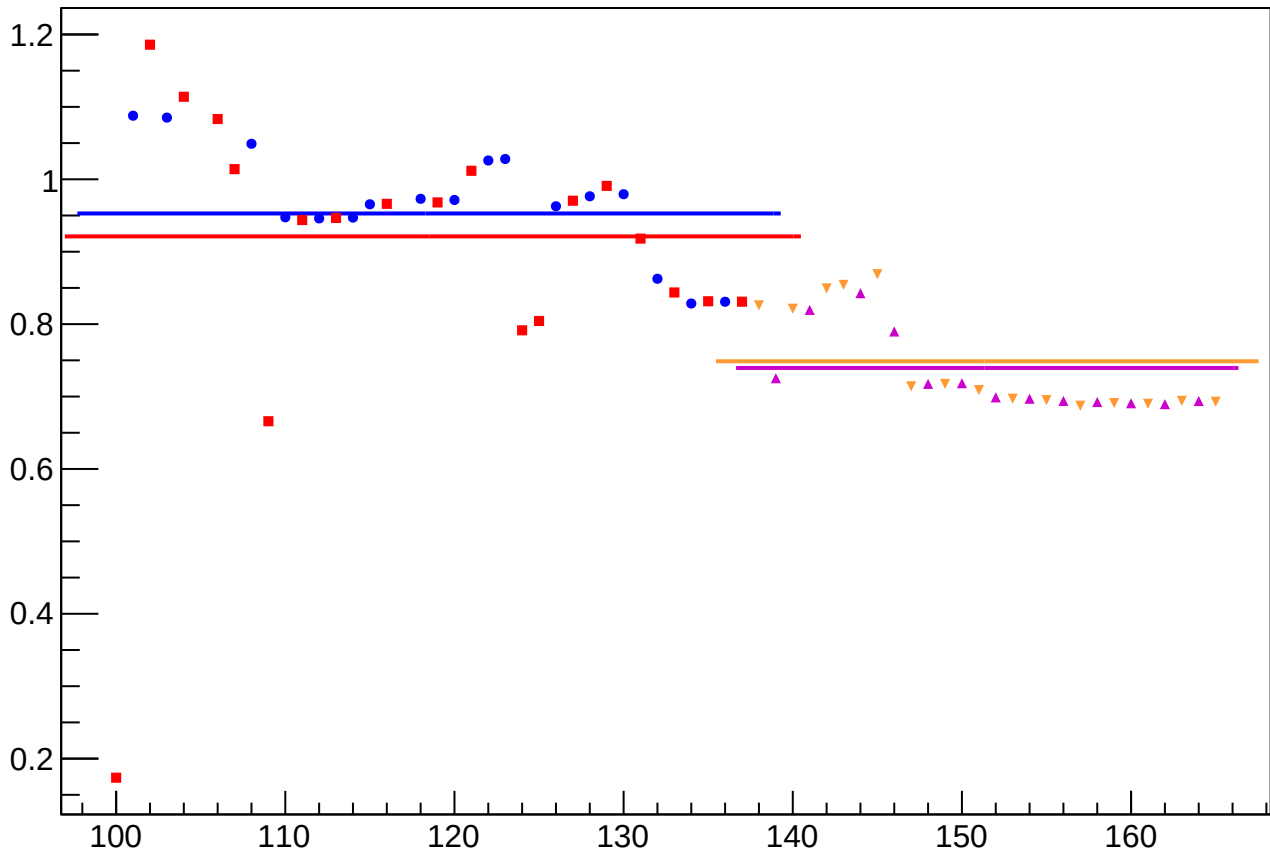
Left In: 0.014+/-0.000 χ^2/NDF :1863942.0/12

+ sign 0.015+/-0.000 χ^2/NDF : 7483093.1/31

All: 0.015+/-0.000 χ^2/NDF : 14843911.7/63

- sign 0.015+/-0.000 χ^2/NDF : 7360765.4/31

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.749 $\pm$ 0.000 χ^2 /NDF:258838497.2/14

+ sign 0.822 $\pm$ 0.000 χ^2 /NDF: 1249586787.6/31

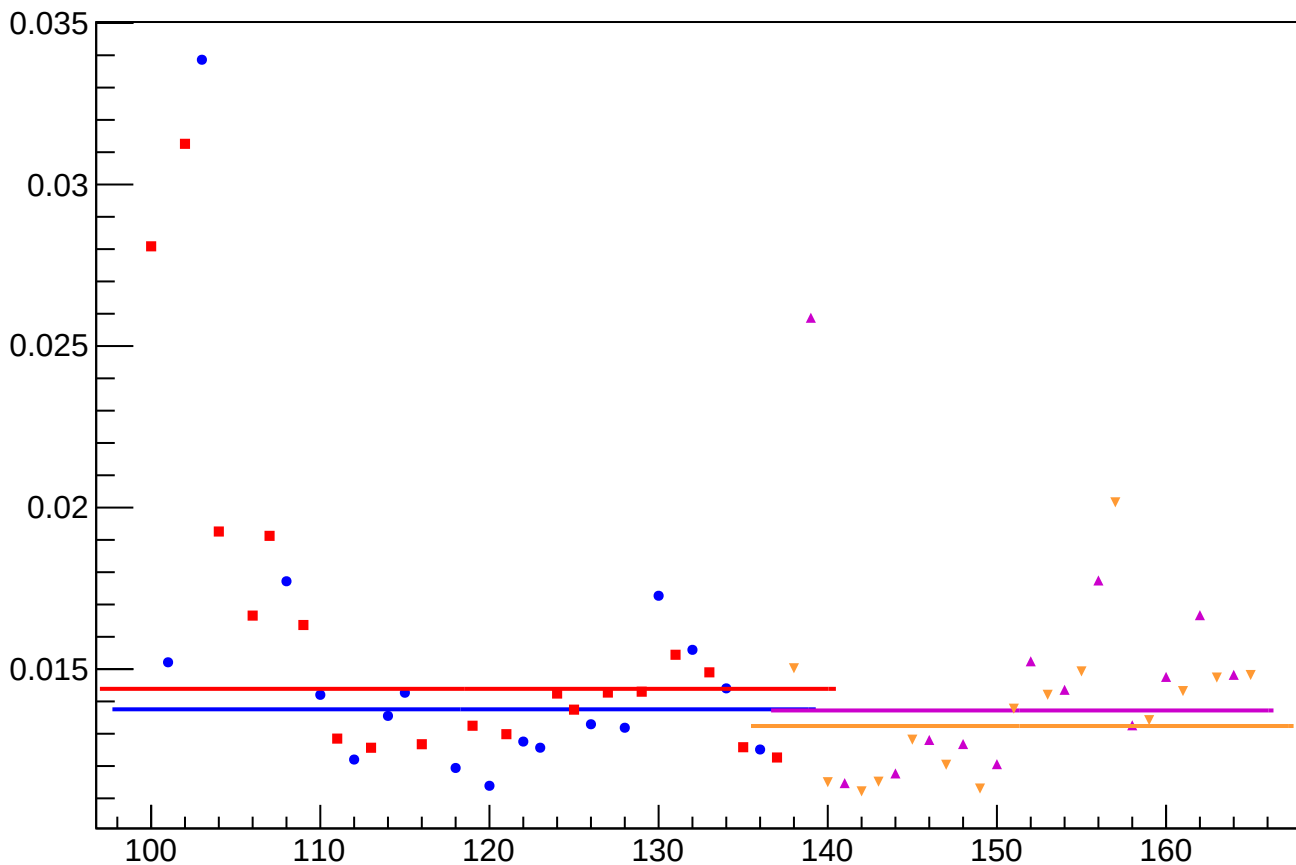
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

All: 0.815 $\pm$ 0.000 χ^2 /NDF: 2387661439.6/63

- sign 0.808 $\pm$ 0.000 χ^2 /NDF: 1130909938.1/31

Left In: 0.739 $\pm$ 0.000 χ^2 /NDF:154929005.8/12

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538469.4/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:356292.3/14

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

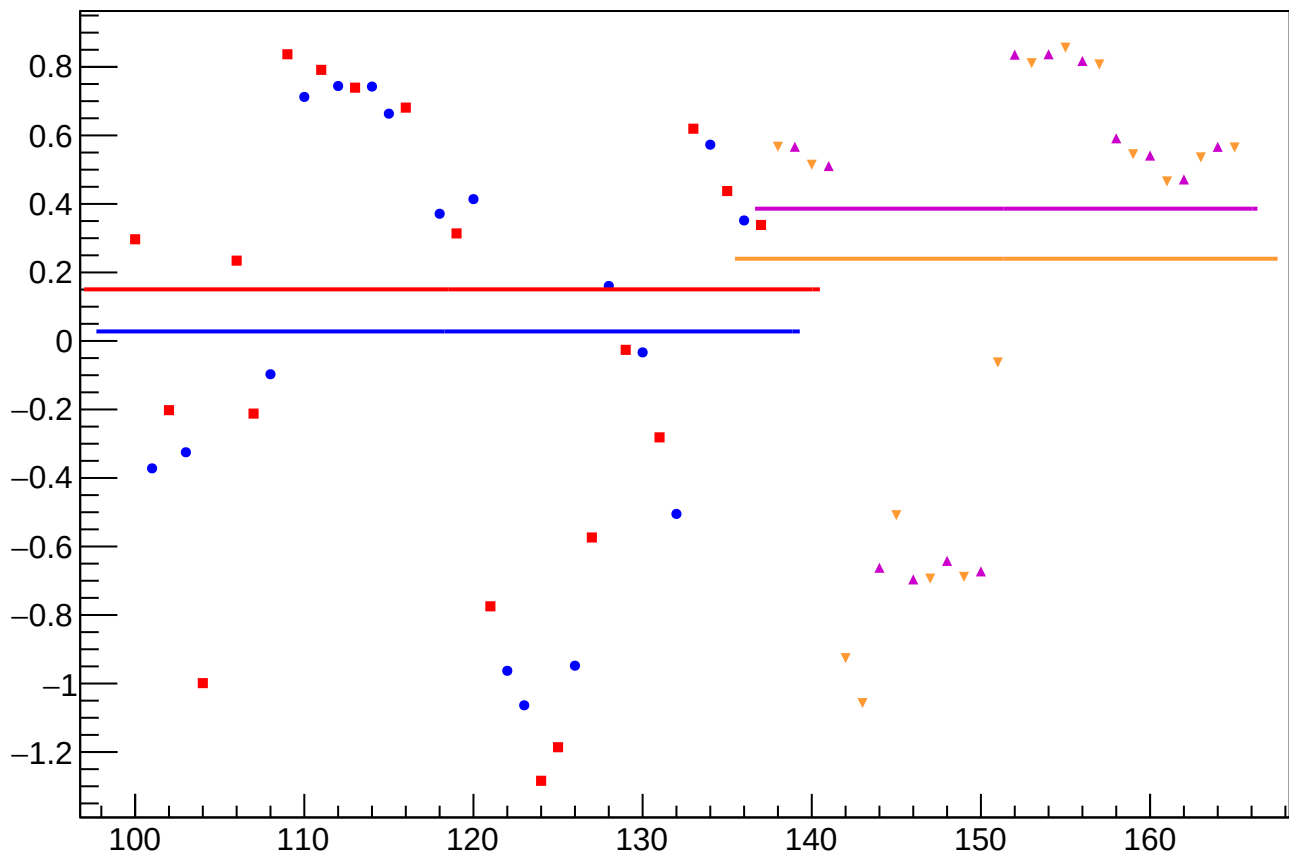
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:599367.5/12

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 905208.4/31

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2049312.2/63

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1119510.5/31

yield_bpm11Y_mean vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.240 $\pm$ 0.000 χ^2 /NDF: 24283965679.7/14

Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 12653743155.9/18

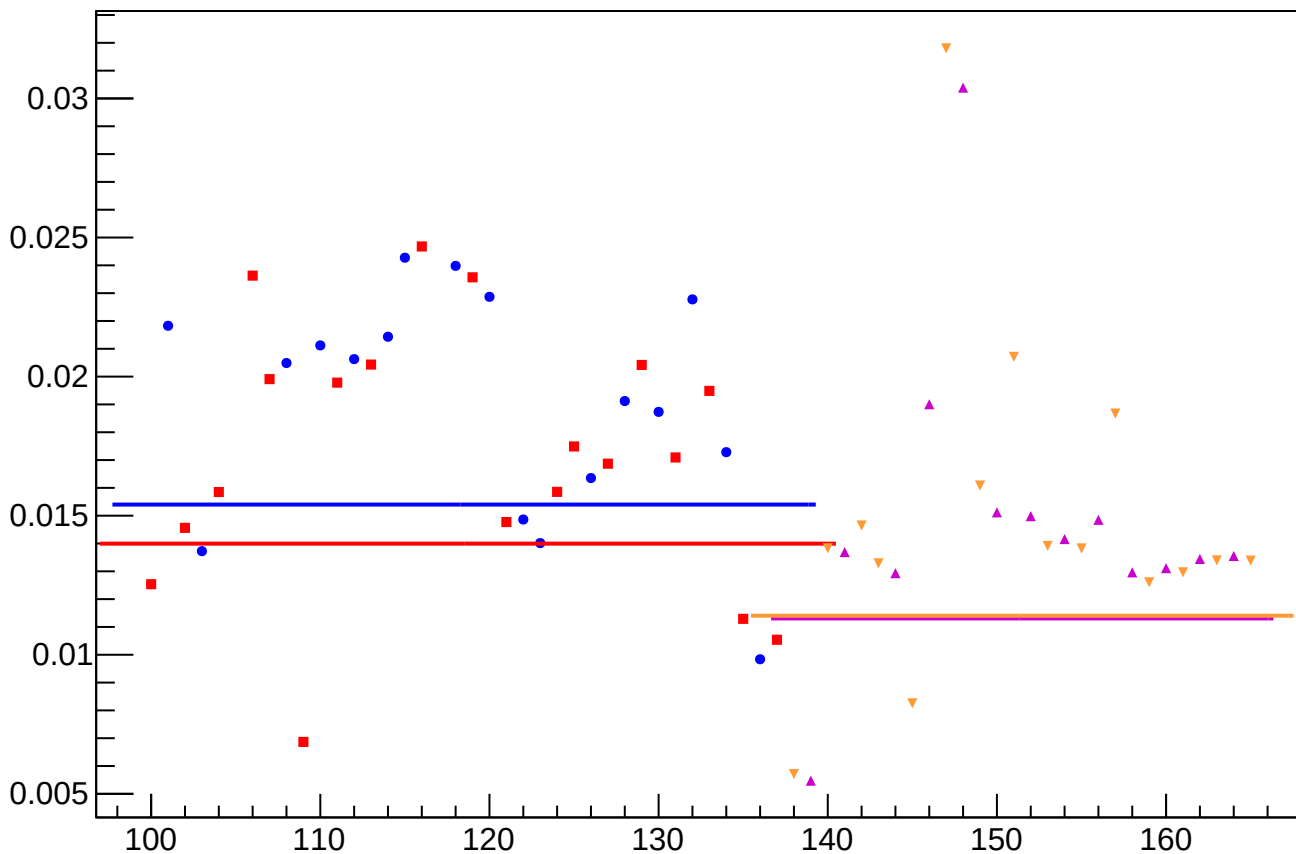
Left In: 0.386 $\pm$ 0.000 χ^2 /NDF: 16172031706.4/12

+ sign 0.186 $\pm$ 0.000 χ^2 /NDF: 31353993970.2/31

All: 0.251 $\pm$ 0.000 χ^2 /NDF: 62060737946.9/6

- sign 0.315 $\pm$ 0.000 χ^2 /NDF: 29930449127.4/31

yield_bpm11Y_rms vs Slug



Right In: 0.015 ± 0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 2906158.9/14

Right Out: 0.014 ± 0.000 χ^2/NDF : 1561550.9/18

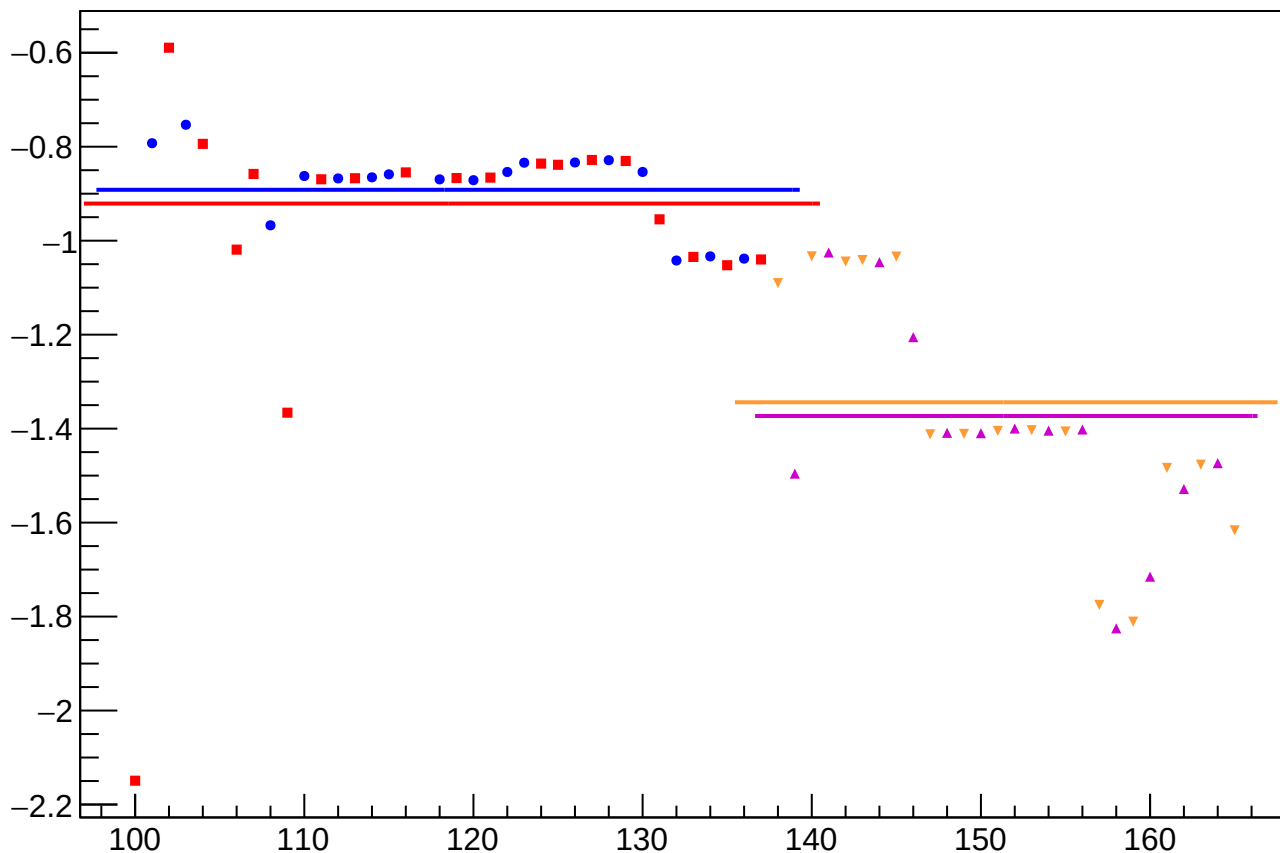
Left In: 0.011 ± 0.000 χ^2/NDF : 2919688.6/12

+ sign 0.012 ± 0.000 χ^2/NDF : 4609889.4/31

All: 0.012 ± 0.000 χ^2/NDF : 9387776.0/63

- sign 0.012 ± 0.000 χ^2/NDF : 4769363.7/31

yield_bpm12X_mean vs Slug



Right In: -0.892 ± 0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.344 ± 0.000 χ^2/NDF : 489509010.2/14

Right Out: -0.921 ± 0.000 χ^2/NDF : 131159330.1/18

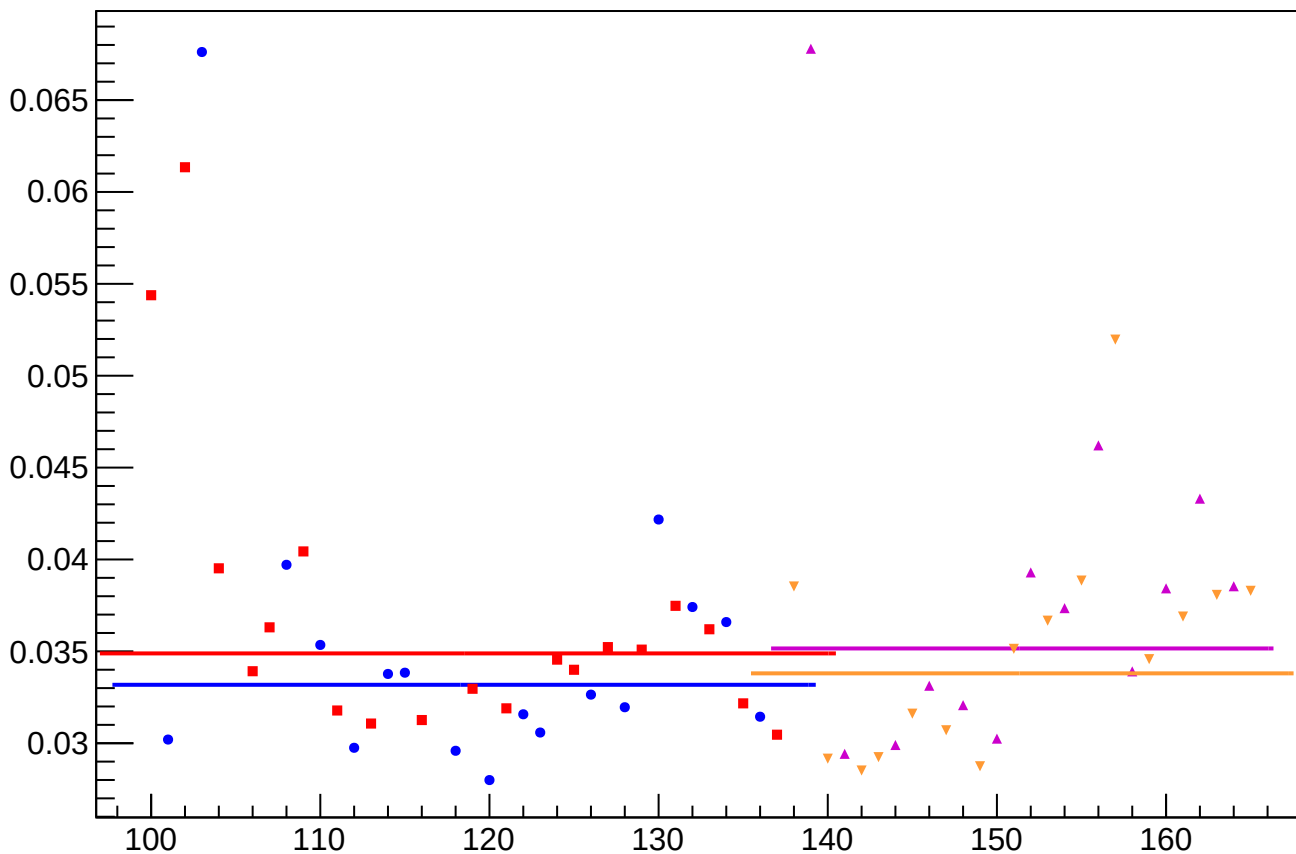
Left In: -1.373 ± 0.000 χ^2/NDF : 414920952.7/12

+ sign -1.168 ± 0.000 χ^2/NDF : 1190260790.7/31

All: -1.178 ± 0.000 χ^2/NDF : 2348489411.9/6

- sign -1.188 ± 0.000 χ^2/NDF : 1155783511.7/31

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2/NDF : 400106.0/16

Left Out: 0.034 $\pm$ 0.000 χ^2/NDF : 389602.6/14

Right Out: 0.035 $\pm$ 0.000 χ^2/NDF : 275013.9/18

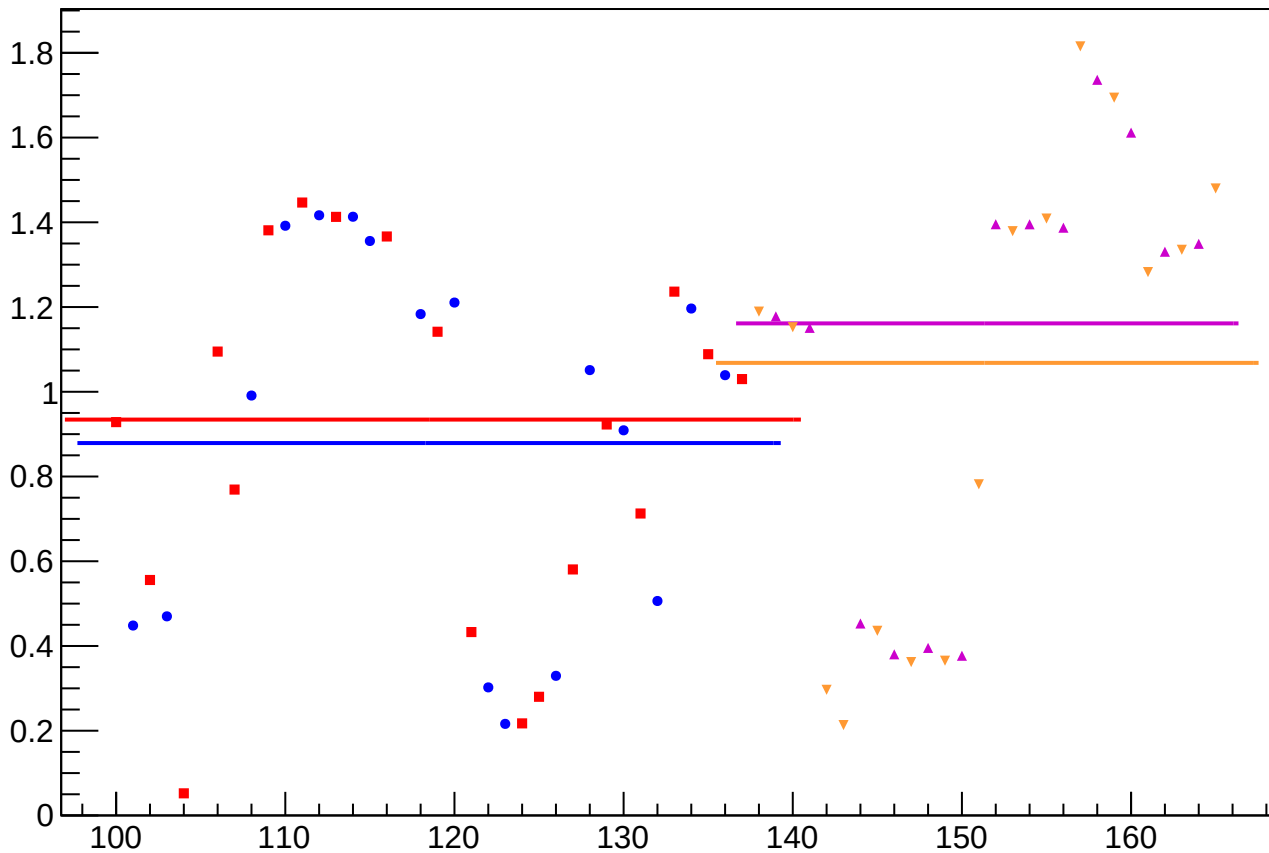
Left In: 0.035 $\pm$ 0.000 χ^2/NDF : 654173.4/12

+ sign 0.034 $\pm$ 0.000 χ^2/NDF : 792212.0/31

All: 0.034 $\pm$ 0.000 χ^2/NDF : 1750419.3/63

- sign 0.035 $\pm$ 0.000 χ^2/NDF : 929620.3/31

yield_bpm12Y_mean vs Slug



Right In: 0.879 $\pm$ 0.000 χ^2 /NDF: 6371602566.2/16

Left Out: 1.068 $\pm$ 0.000 χ^2 /NDF:30700470738.7/14

Right Out: 0.934 $\pm$ 0.000 χ^2 /NDF: 9827120184.9/18

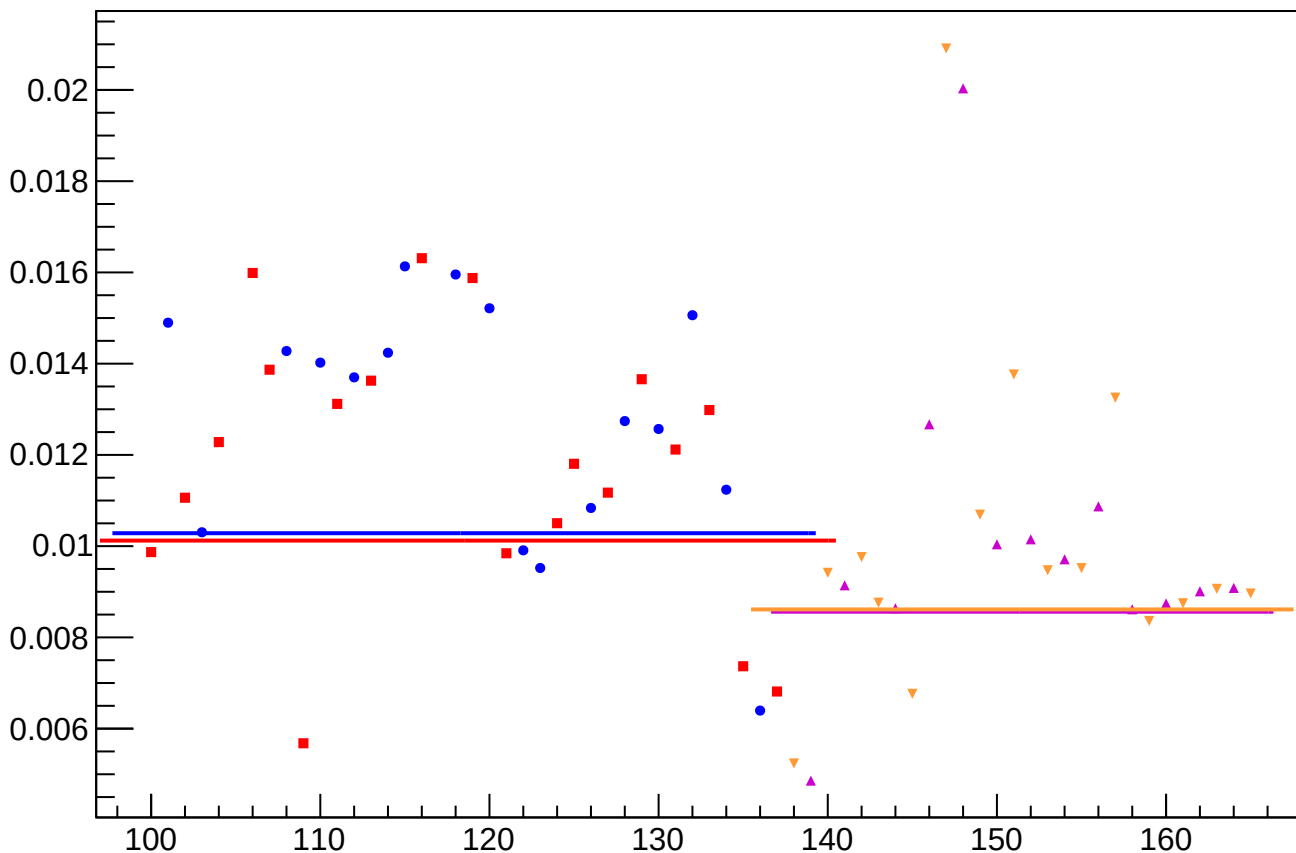
Left In: 1.161 $\pm$ 0.000 χ^2 /NDF:21983022513.2/12

+ sign 1.014 $\pm$ 0.000 χ^2 /NDF: 38417625769.7/31

All: 1.052 $\pm$ 0.000 χ^2 /NDF: 72766481771.1/6

- sign 1.090 $\pm$ 0.000 χ^2 /NDF: 33823306552.6/31

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: 1659633.2/14

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

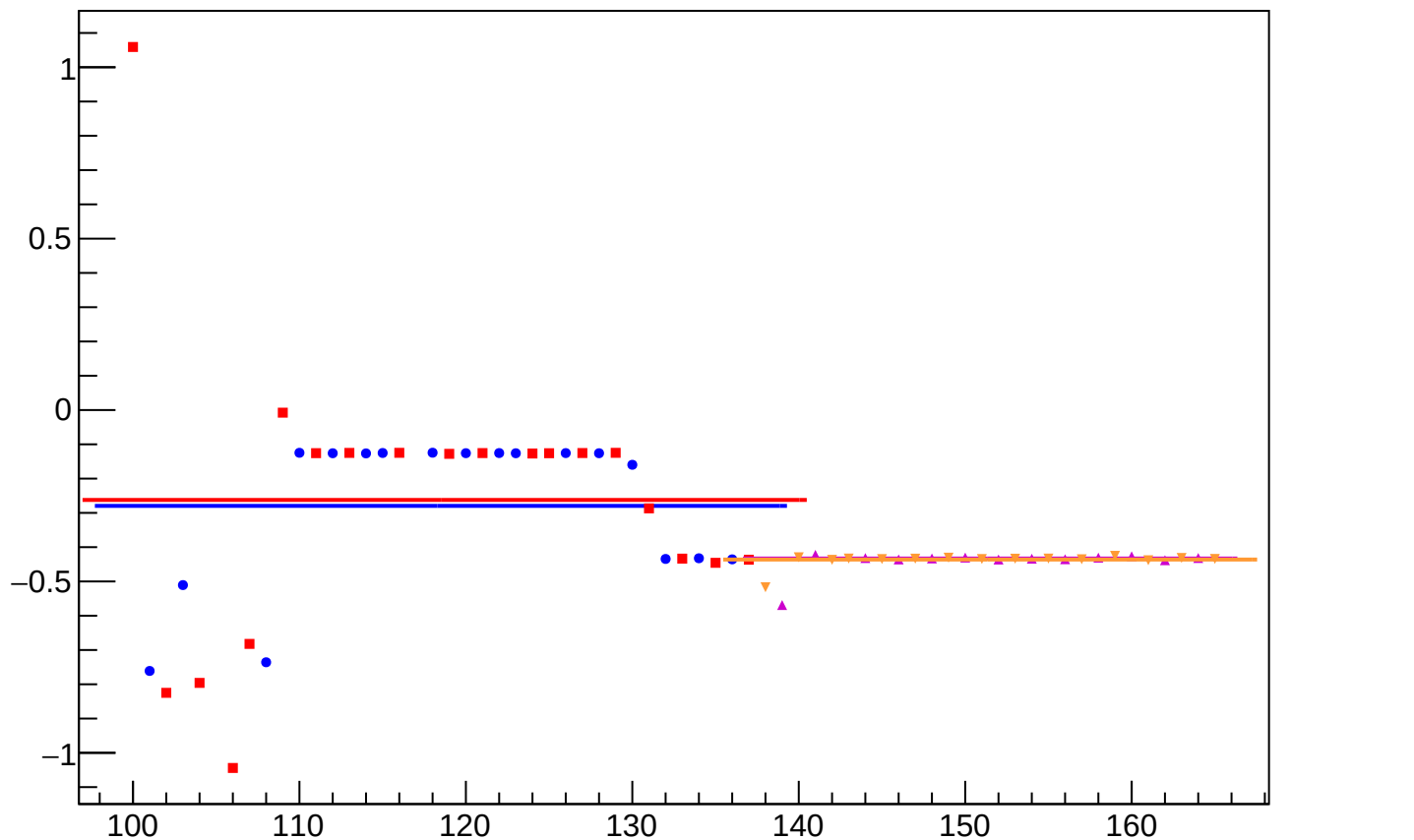
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1617898.2/12

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3076877.2/31

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6061455.2/63

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2984338.4/31

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 : 25635520.9/14

Right Out: -0.262 ± 0.000 χ^2/NDF : 1006263824.6/18

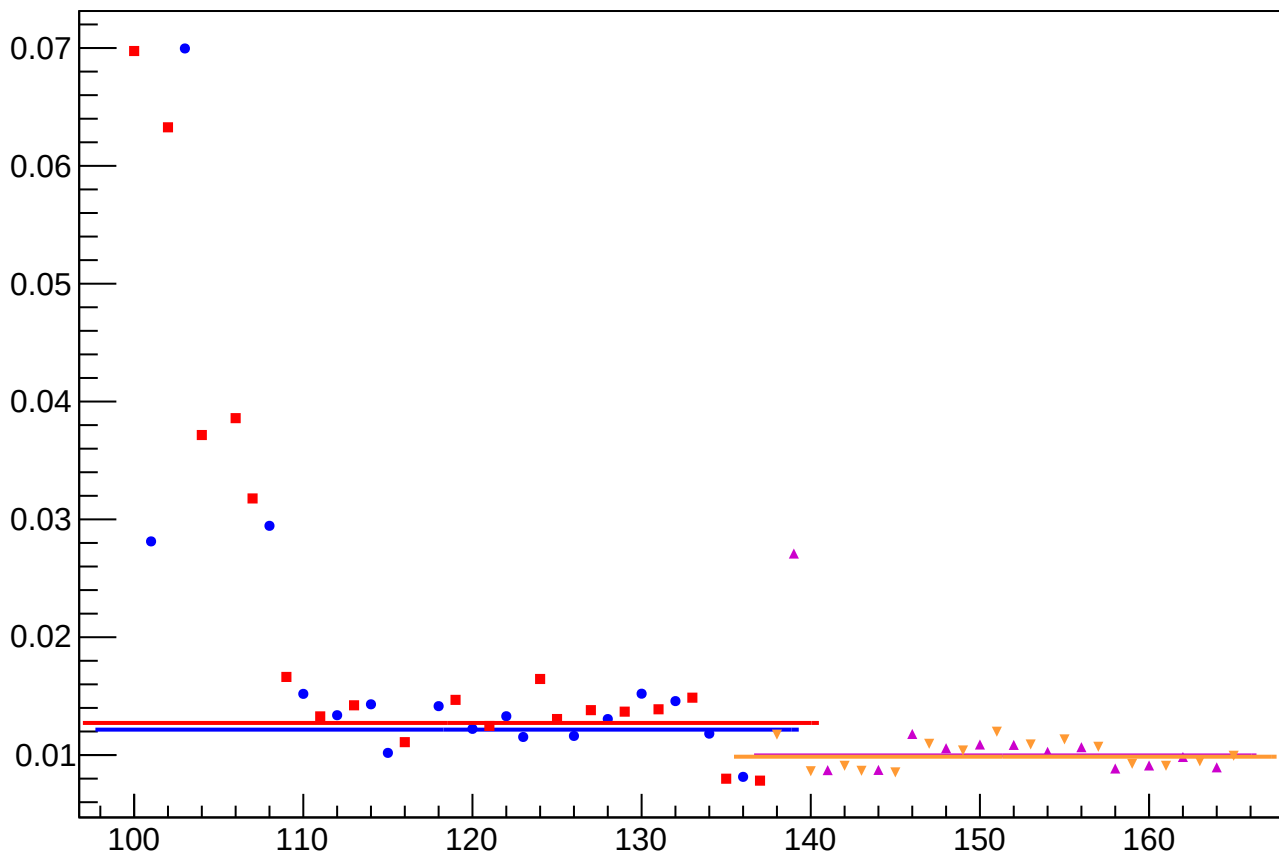
Left In: -0.433 ± 0.000 χ^2/NDF : 19530253.7/12

+ sign -0.397 ± 0.000 χ^2/NDF : 1534002444.0/31

All: -0.393 ± 0.000 χ^2/NDF : 3209706107.4/6

- sign -0.389 ± 0.000 χ^2/NDF : 1671673198.2/31

yield_bpm16X_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010 ± 0.000 χ^2/NDF : 225450.4/14

Right Out: 0.013 ± 0.000 χ^2/NDF : 1967397.9/18

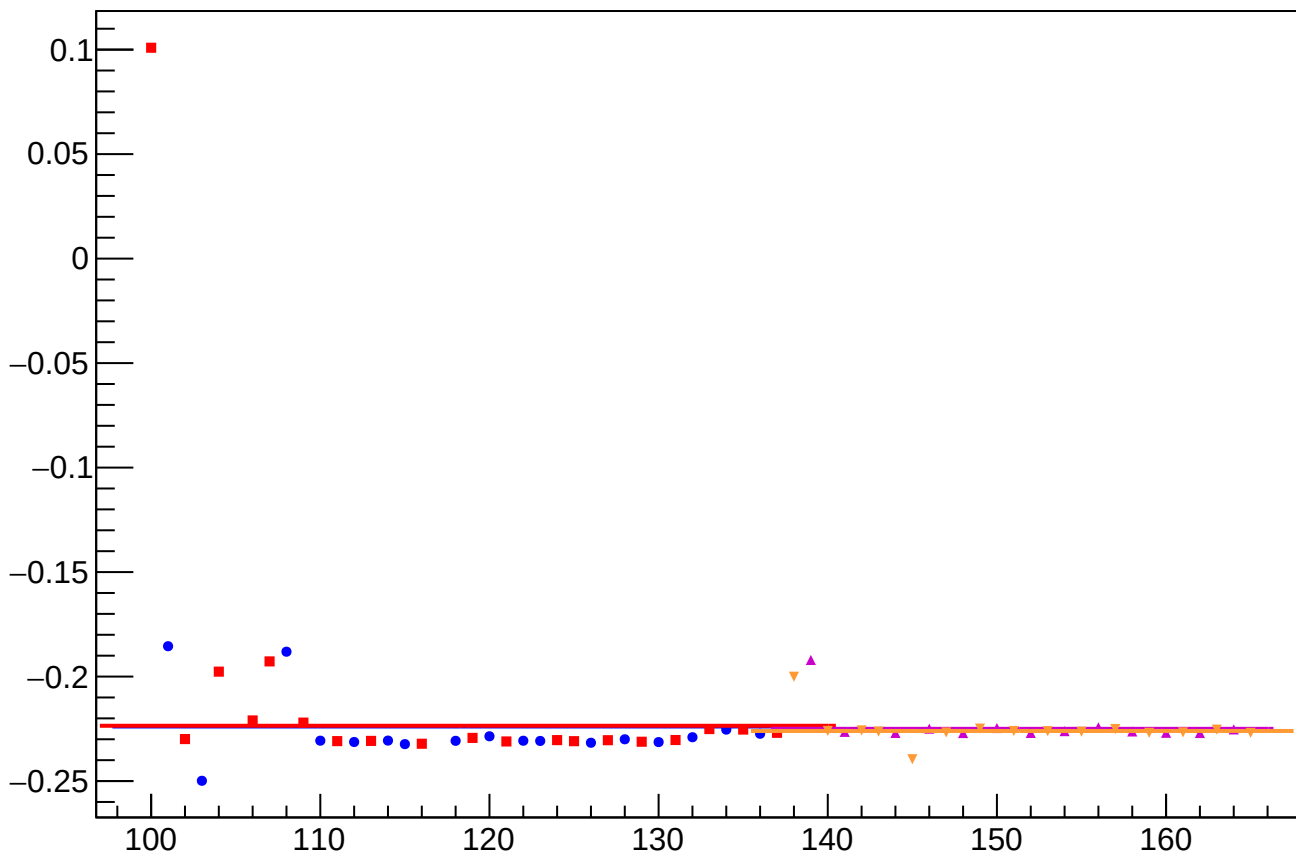
Left In: 0.010 ± 0.000 χ^2/NDF : 731179.9/12

+ sign 0.010 ± 0.000 χ^2/NDF : 2197516.1/31

All: 0.011 ± 0.000 χ^2/NDF : 5239764.9/63

- sign 0.011 ± 0.000 χ^2/NDF : 3034837.4/31

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 : 20602425.0/14

+ sign -0.225+/-0.000 χ^2/NDF : 95949450.1/31

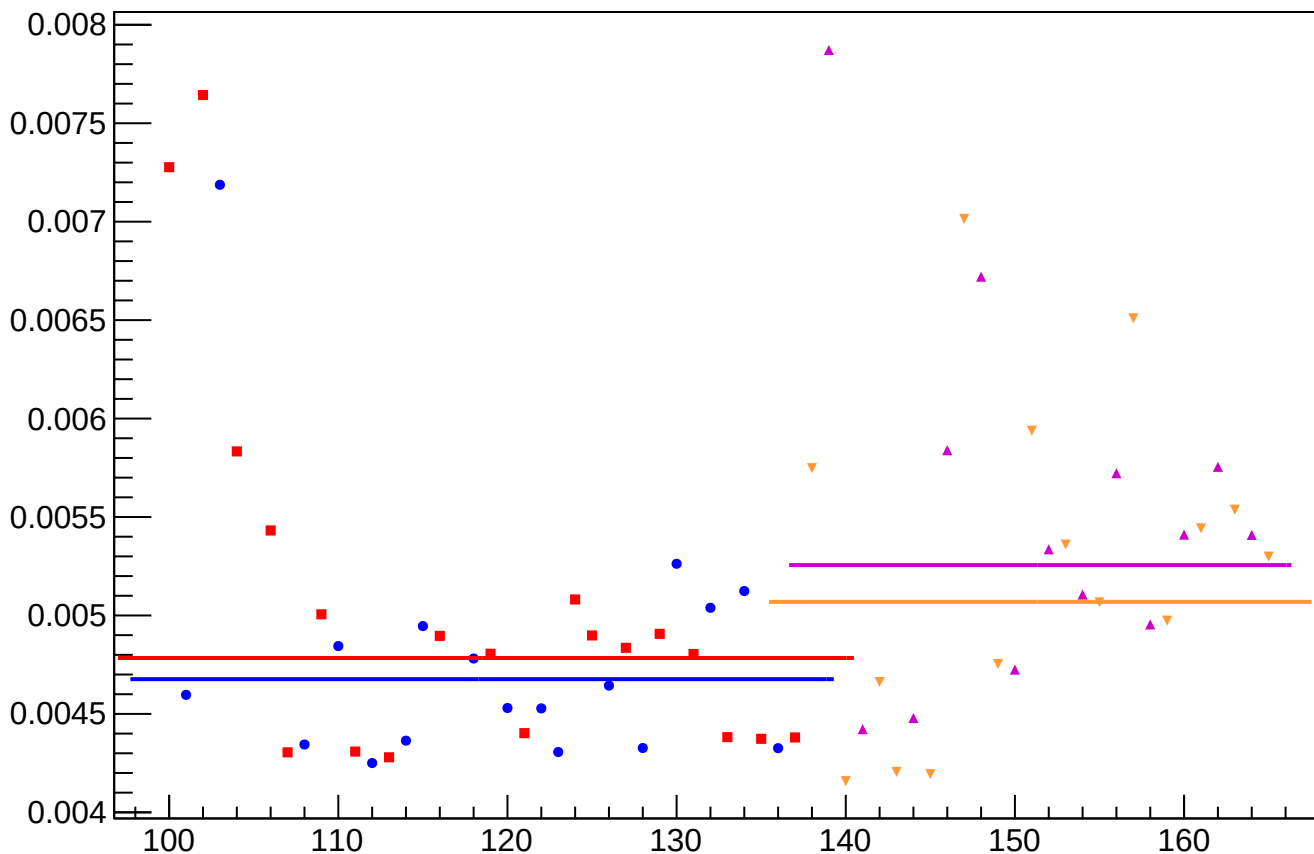
Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

All: -0.225+/-0.000 χ^2/NDF : 277358109.8/63

Left In: -0.225+/-0.000 χ^2/NDF : 12745982.1/12

- sign -0.224+/-0.000 χ^2/NDF : 181200678.8/31

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 : 449006.2/14

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

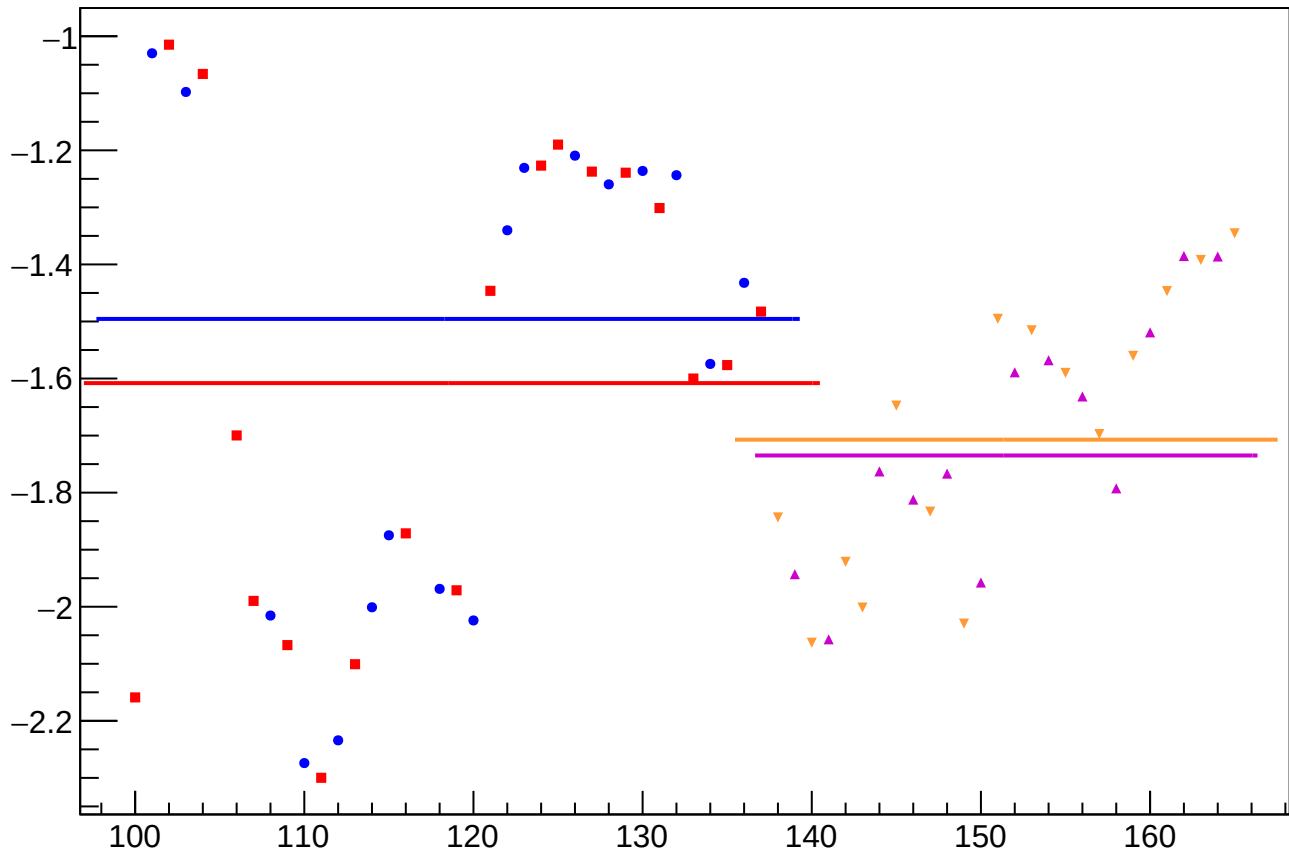
Left In: 0.005+/-0.000 χ^2/NDF : 392515.0/12

+ sign 0.005+/-0.000 χ^2/NDF : 679791.7/31

All: 0.005+/-0.000 χ^2/NDF : 1401674.9/63

- sign 0.005+/-0.000 χ^2/NDF : 709765.5/31

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.608+/-0.000 χ^2/NDF : 15151932045.6/14

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

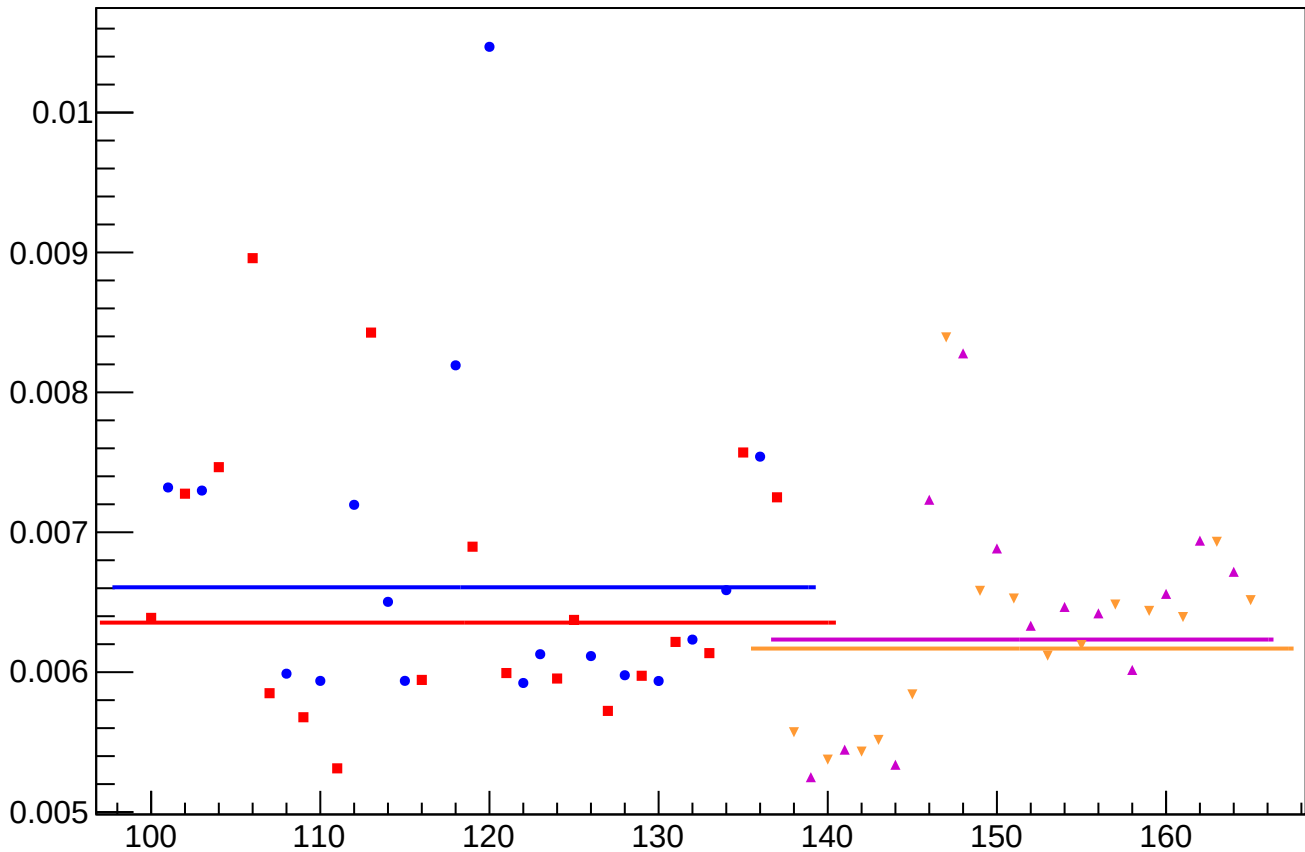
Left In: -1.735+/-0.000 χ^2/NDF : 10391742471.3/12

+ sign -1.636+/-0.000 χ^2/NDF : 41788065368.4/31

All: -1.660+/-0.000 χ^2/NDF : 82092990553.6/31

- sign -1.684+/-0.000 χ^2/NDF : 39824647748.8/31

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 201323.2/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:226223.3/14

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 227287.9/18

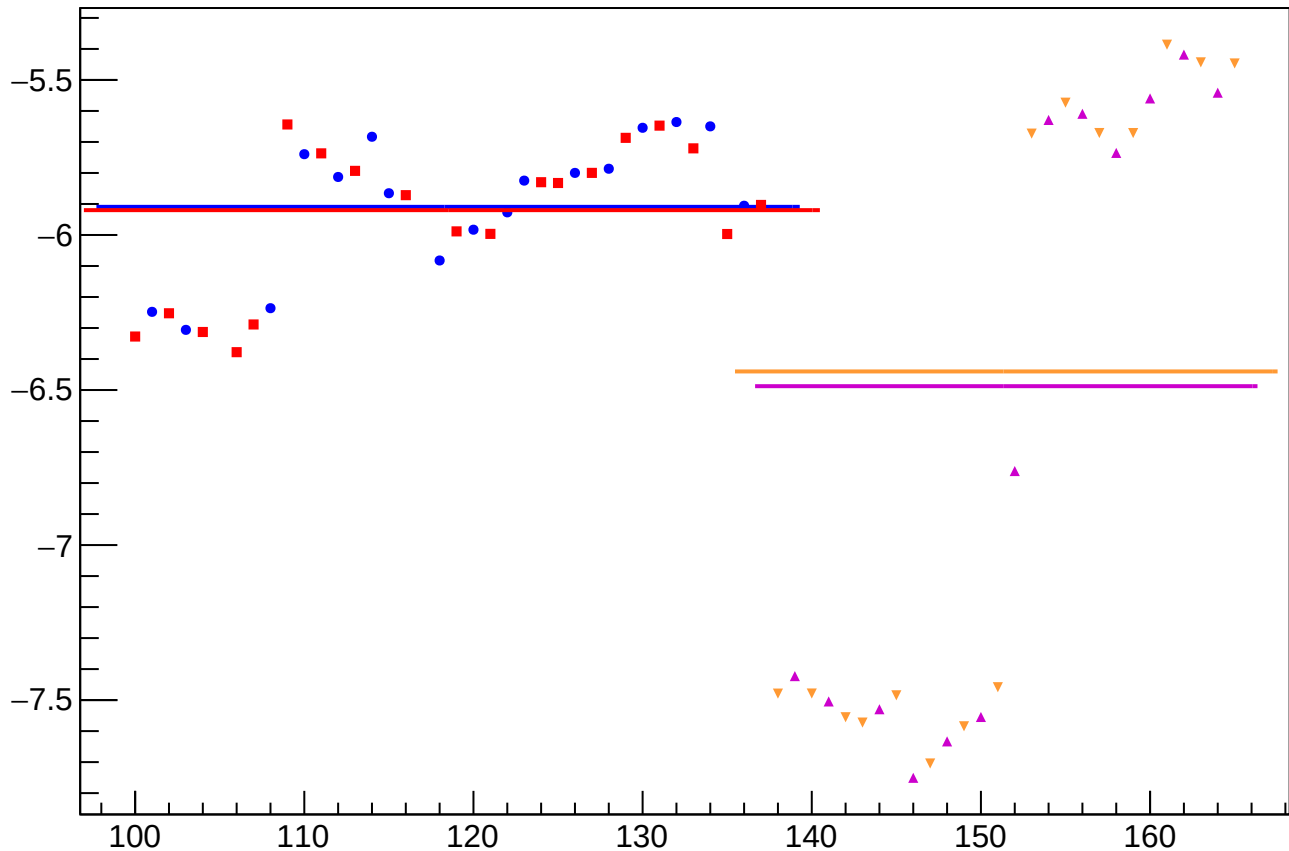
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:289399.1/12

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 462935.1/31

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 982985.4/63

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 519560.7/31

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.440+/-0.000 χ^2/NDF : 148925369467.9/14

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

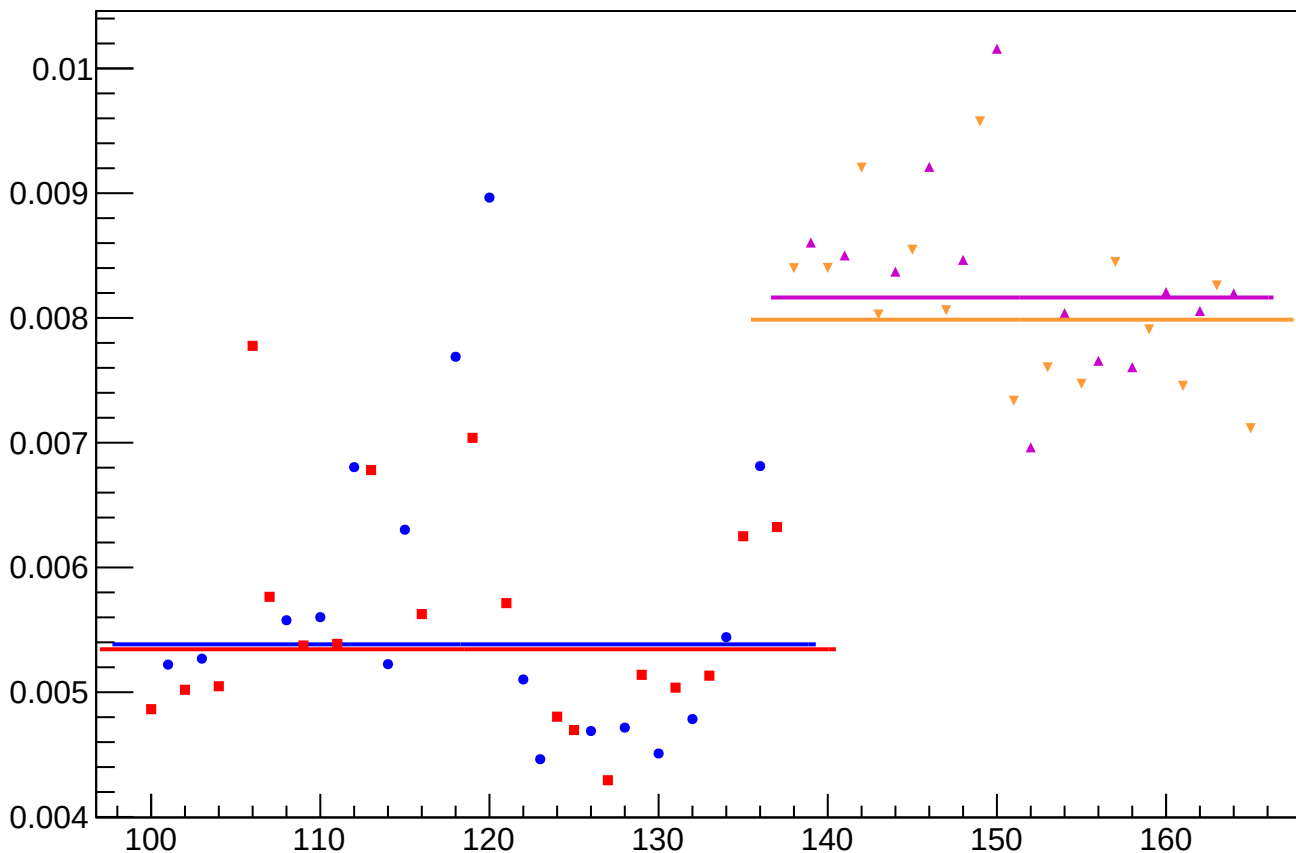
Left In: -6.488+/-0.000 χ^2/NDF : 118485816612.5/12

+ sign -6.136+/-0.000 χ^2/NDF : 184424108570.4/31

All: -6.136+/-0.000 χ^2/NDF : 342983151571.0

- sign -6.136+/-0.000 χ^2/NDF : 158558928722.2/31

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 :112526.8/14

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

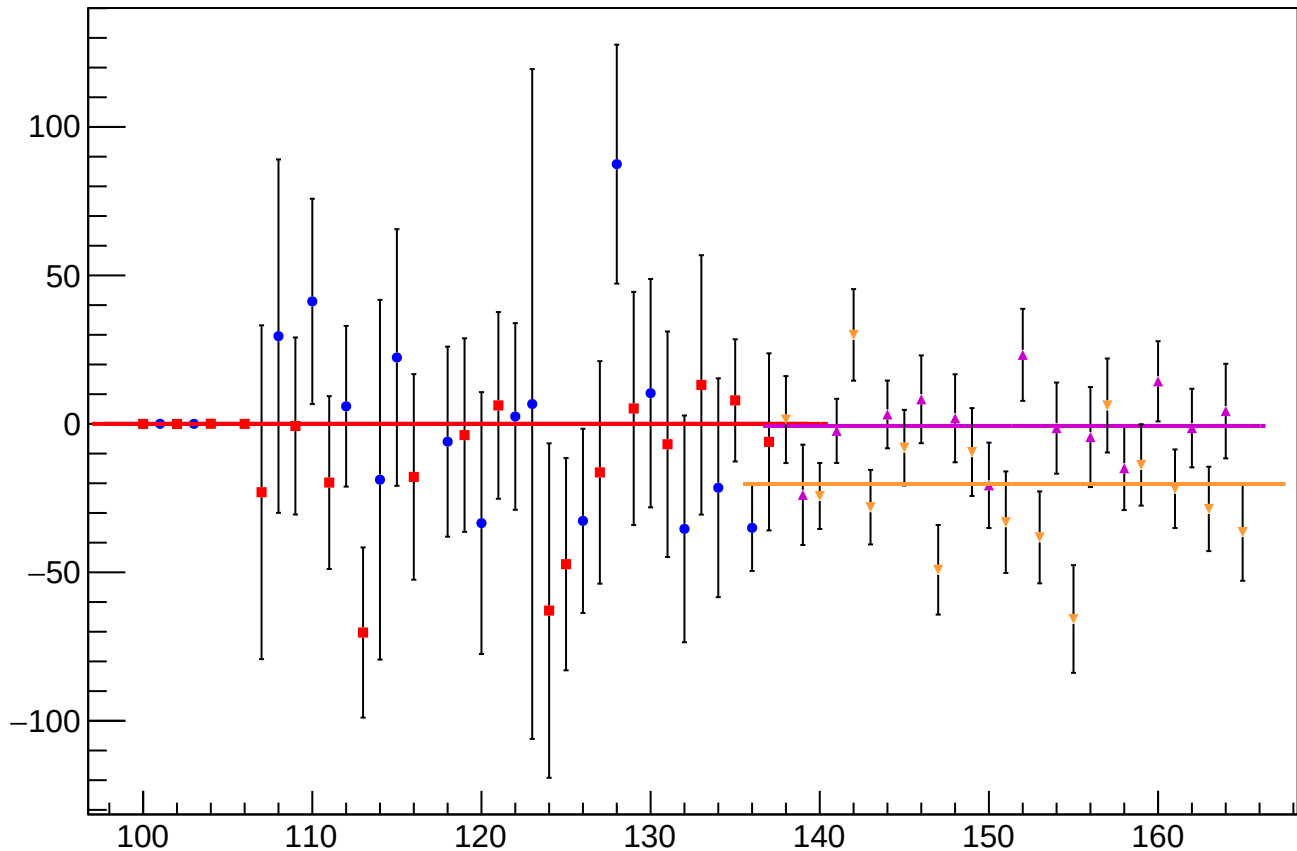
Left In: 0.008+/-0.000 χ^2/NDF :139794.6/12

+ sign 0.006+/-0.000 χ^2/NDF : 1632067.9/31

All: 0.006+/-0.000 χ^2/NDF : 3365165.0/63

- sign 0.006+/-0.000 χ^2/NDF : 1730707.8/31

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 15.8/16$

Left Out: -20.250 ± 3.708 $\chi^2/\text{NDF}: 31.0/14$

Right Out: 0.003 ± 0.016 $\chi^2/\text{NDF}: 15.3/18$

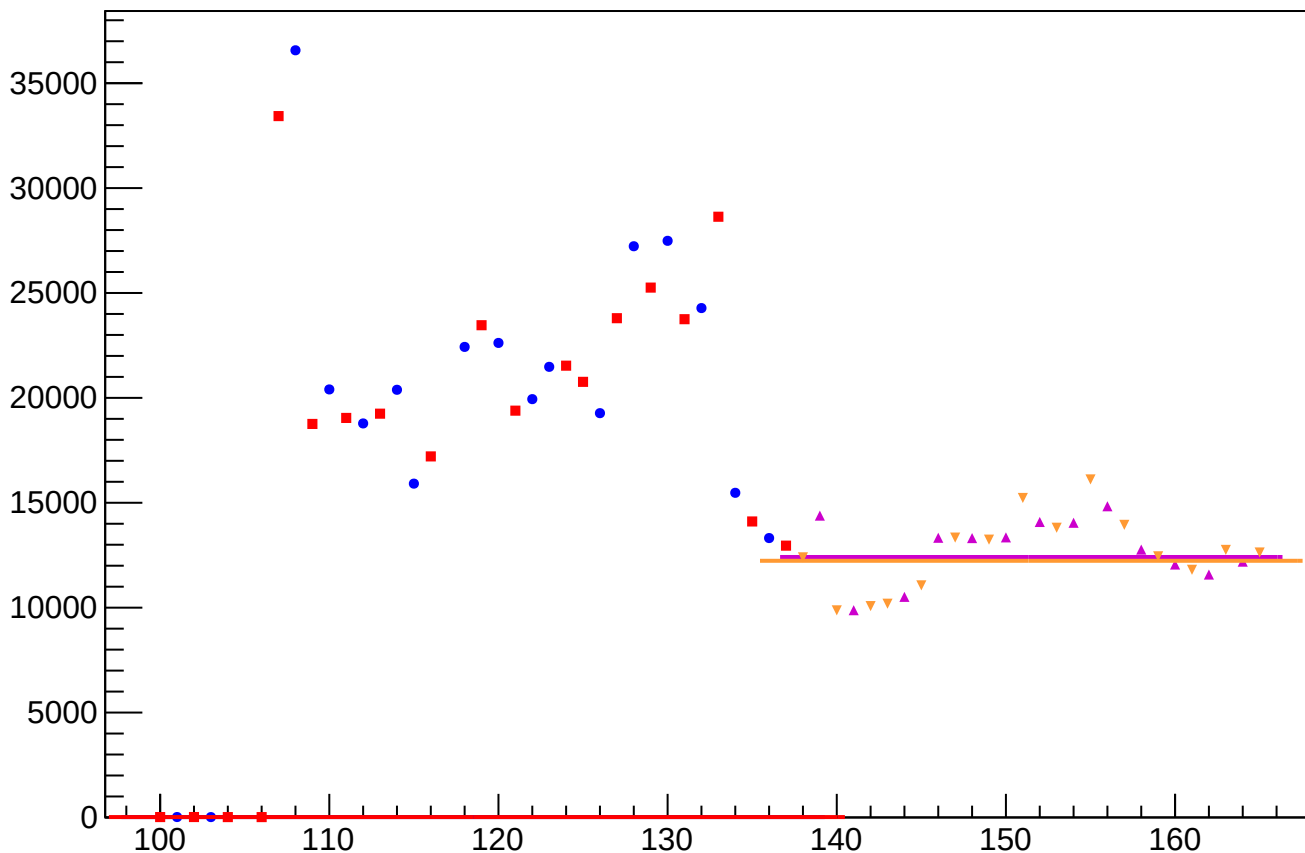
Left In: -0.697 ± 3.897 $\chi^2/\text{NDF}: 9.2/12$

+ sign 0.013 ± 0.017 $\chi^2/\text{NDF}: 76.6/31$

All: 0.008 ± 0.012 $\chi^2/\text{NDF}: 101.3/63$

- sign 0.003 ± 0.016 $\chi^2/\text{NDF}: 24.5/31$

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12234.480+/-2.622 χ^2/NDF : 423128.0/14

Right Out: 18.311+/-0.011 χ^2/NDF : 11103320.8/18

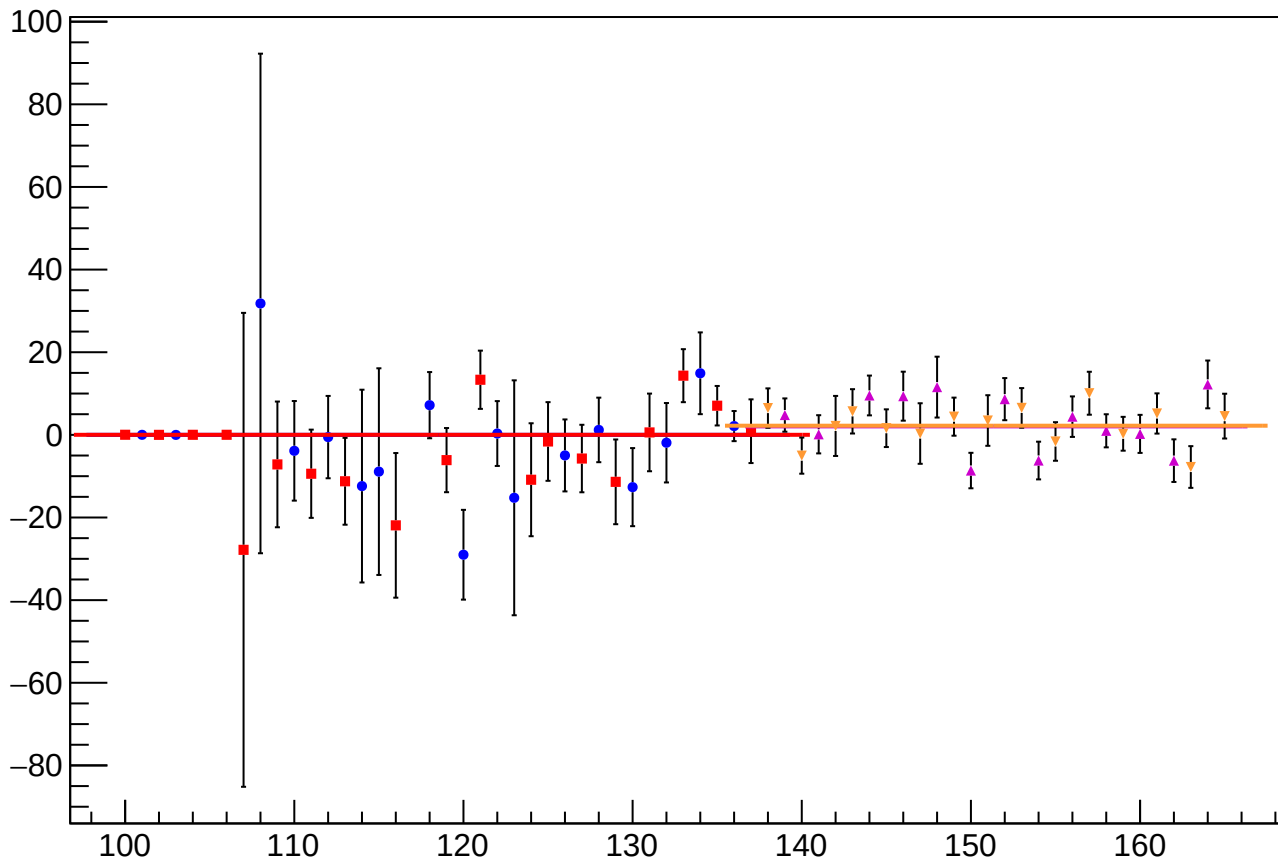
Left In: 12415.160+/-2.756 χ^2/NDF : 314550.2/12

+ sign 18.908+/-0.012 χ^2/NDF : 32973917.9/31

All: 18.700+/-0.008 χ^2/NDF : 64629036.0/63

- sign 18.522+/-0.011 χ^2/NDF : 31654585.9/31

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 2.217 $\pm$ 1.300 χ^2 /NDF:12.8/14

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

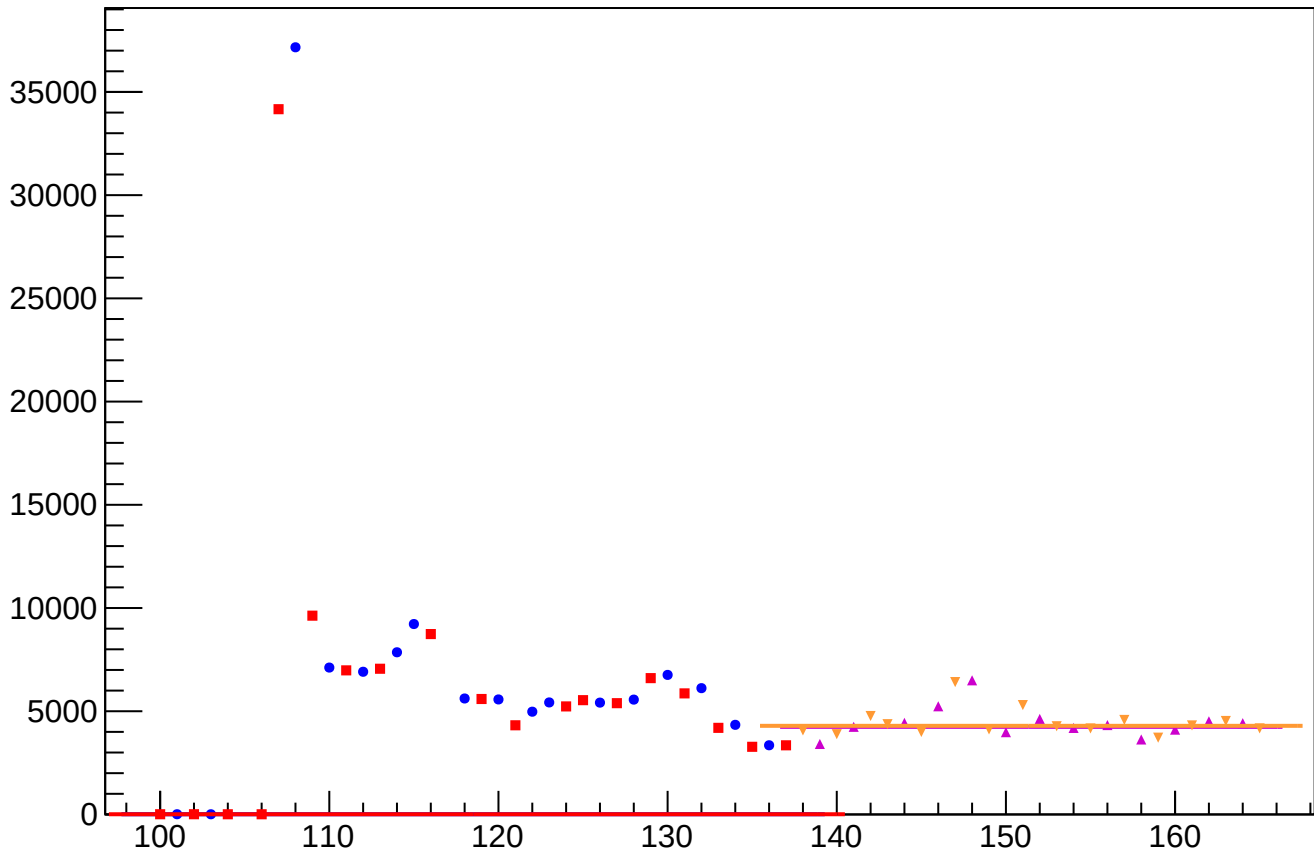
Left In: 2.053 $\pm$ 1.339 χ^2 /NDF:23.5/12

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 30.6/31

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 76.0/63

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 44.2/31

diff_cav4bY_rms vs Slug



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10973577.1/16

Left Out: 4293.413 $\pm$ 0.919 χ^2 /NDF: 315261.6/14

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11152667.7/18

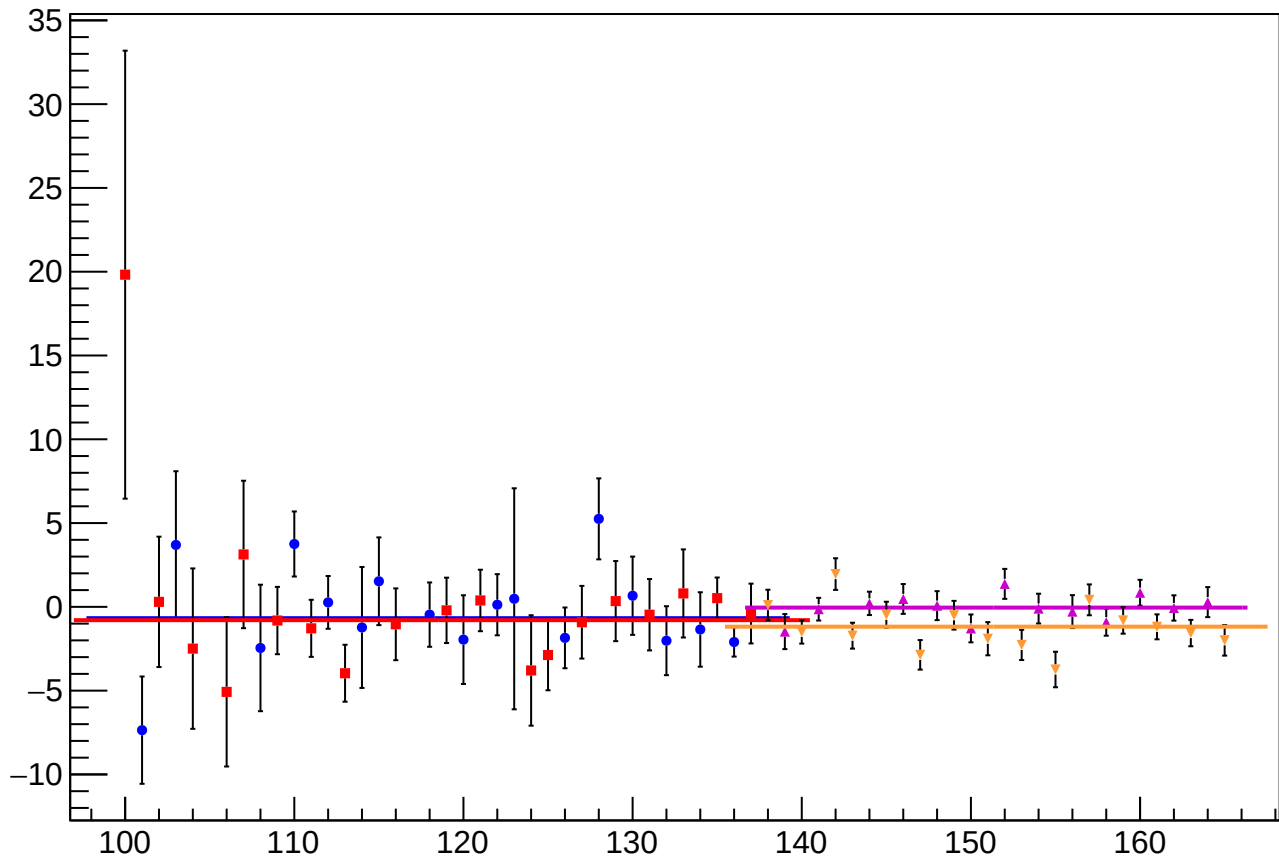
Left In: 4244.028 $\pm$ 0.947 χ^2 /NDF: 407073.4/12

+ sign 10.153 $\pm$ 0.007 χ^2 /NDF: 33018093.3/31

All: 10.088 $\pm$ 0.004 χ^2 /NDF: 64583335.7/63

- sign 10.031 $\pm$ 0.006 χ^2 /NDF: 31565056.6/31

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.182 ± 0.219 χ^2/NDF : 31.0/14

Right Out: -0.795 ± 0.501 χ^2/NDF : 12.0/18

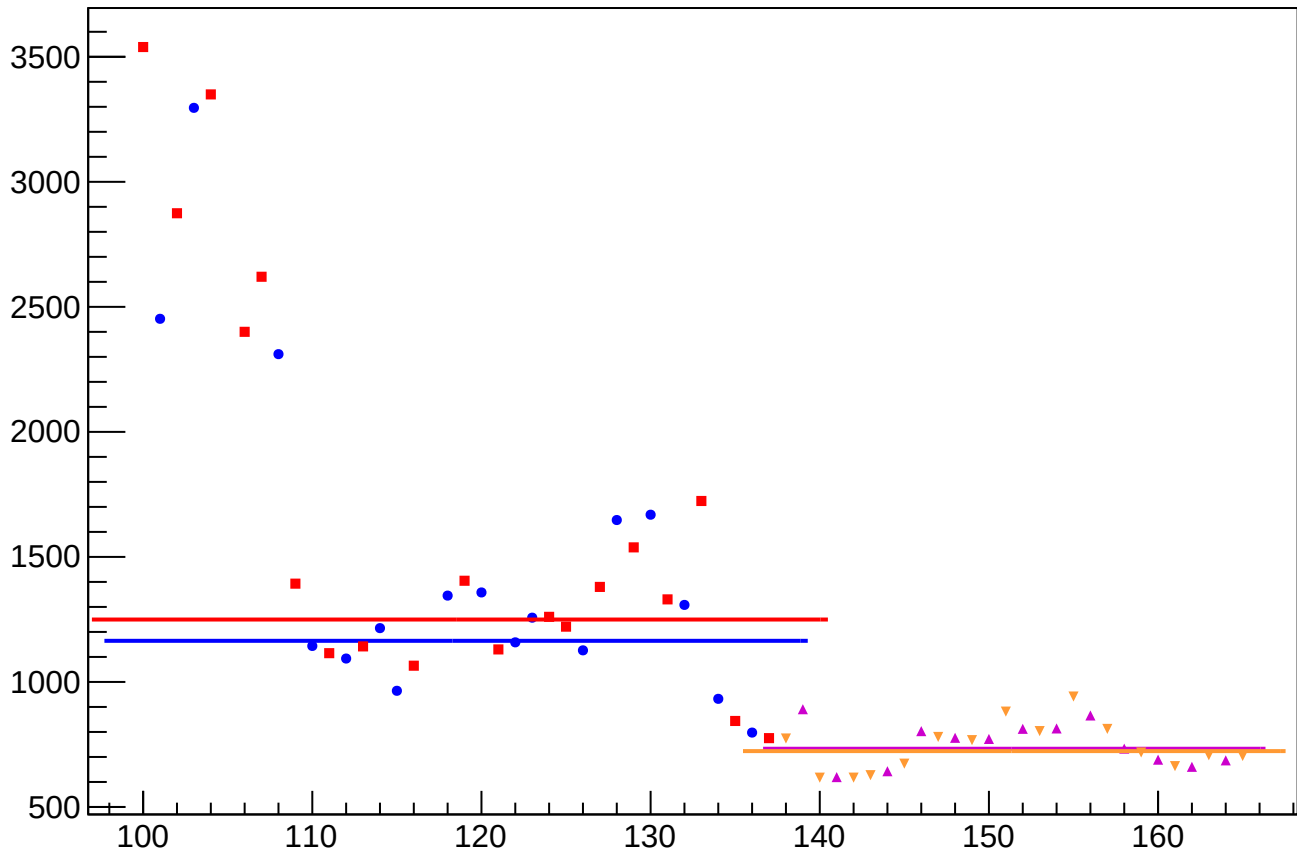
Left In: -0.045 ± 0.230 χ^2/NDF : 9.8/12

+ sign -1.097 ± 0.199 χ^2/NDF : 54.1/31

All: -0.657 ± 0.144 χ^2/NDF : 88.0/63

- sign -0.175 ± 0.209 χ^2/NDF : 23.6/31

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 723.416 $\pm$ 0.155 χ^2 /NDF: 316071.0/14

Right Out: 1249.596 $\pm$ 0.354 χ^2 /NDF: 1650133.1/18

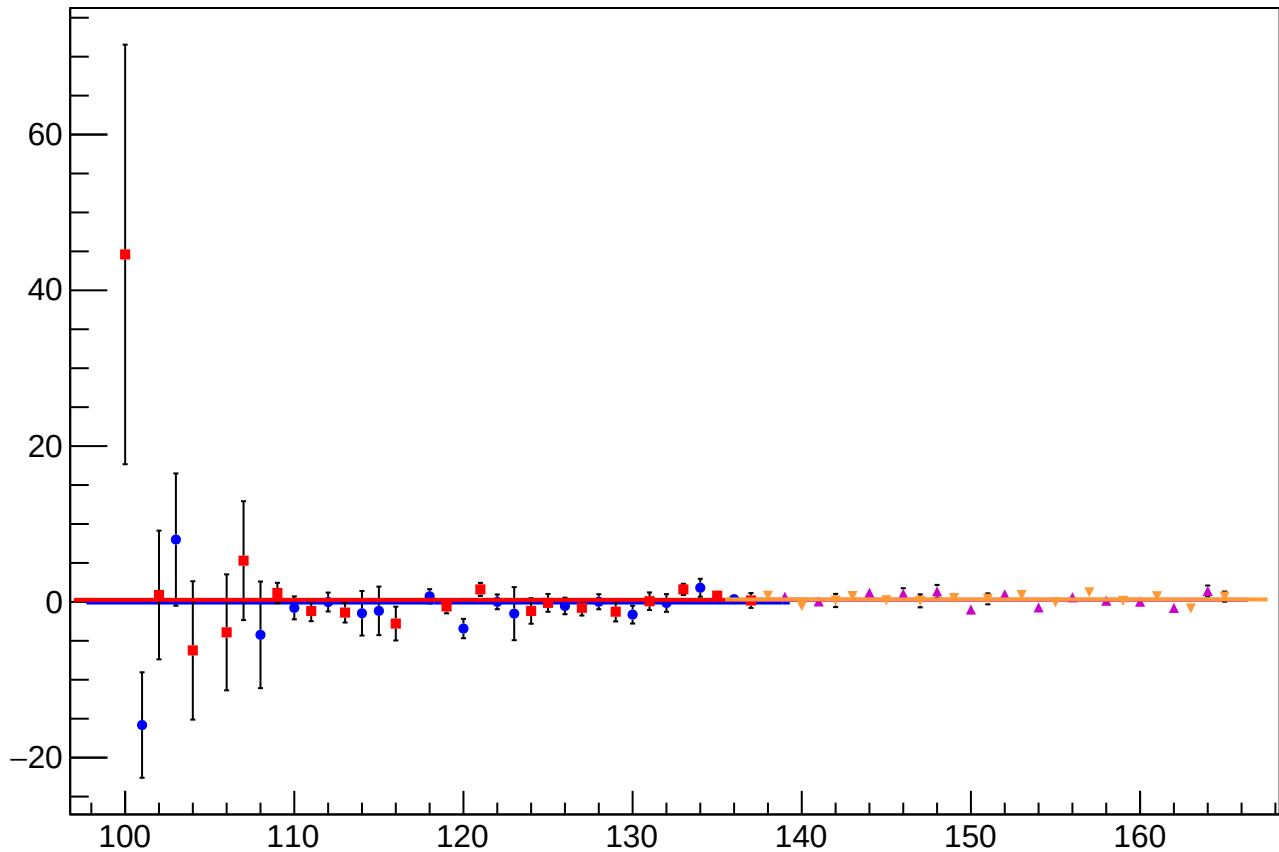
Left In: 732.846 $\pm$ 0.162 χ^2 /NDF: 256462.8/12

+ sign 798.110 $\pm$ 0.141 χ^2 /NDF: 3278978.4/31

All: 809.724 $\pm$ 0.102 χ^2 /NDF: 6956460.9/63

- sign 822.475 $\pm$ 0.148 χ^2 /NDF: 3663226.0/31

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.312 ± 0.156 χ^2/NDF : 12.1/14

Right Out: 0.259 ± 0.264 χ^2/NDF : 20.4/18

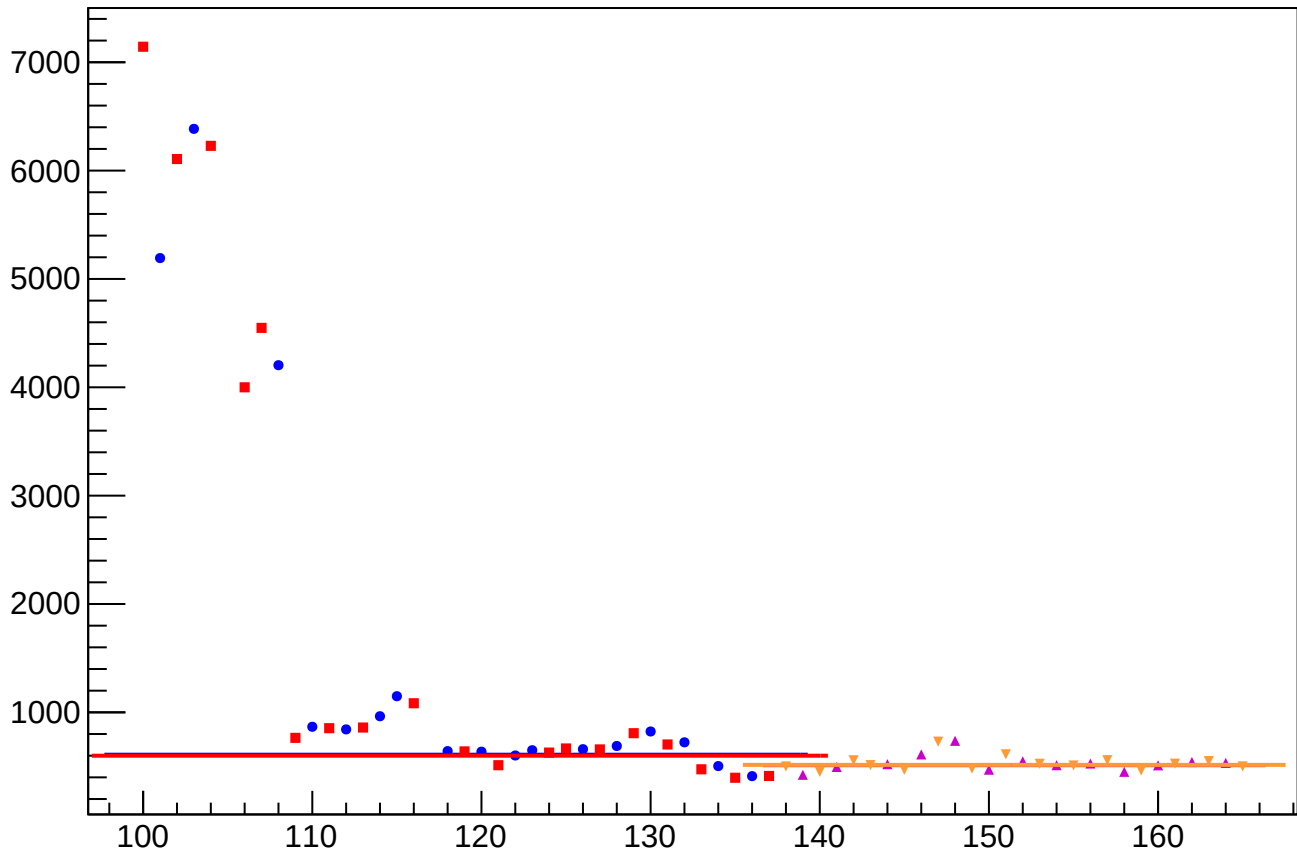
Left In: 0.270 ± 0.161 χ^2/NDF : 23.0/12

+ sign 0.213 ± 0.135 χ^2/NDF : 34.8/31

All: 0.240 ± 0.096 χ^2/NDF : 78.3/63

- sign 0.267 ± 0.138 χ^2/NDF : 43.4/31

diff_cav4cY_rms vs Slug



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 515.225 $\pm$ 0.110 χ^2 /NDF: 270511.2/14

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

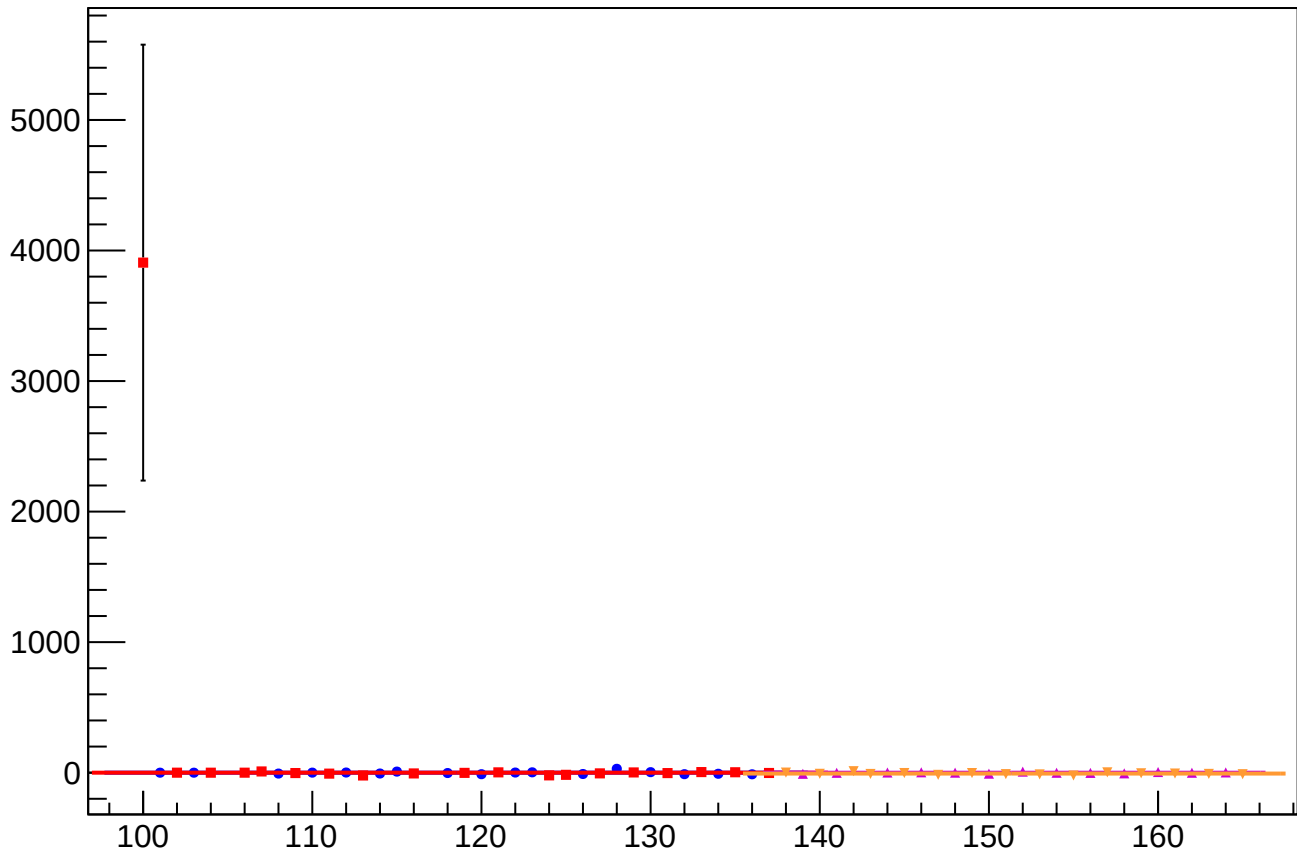
Left In: 512.340 $\pm$ 0.114 χ^2 /NDF: 310330.8/12

+ sign 538.607 $\pm$ 0.095 χ^2 /NDF: 3590709.9/31

All: 537.364 $\pm$ 0.068 χ^2 /NDF: 7609002.2/63

- sign 536.071 $\pm$ 0.097 χ^2 /NDF: 4017945.8/31

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -6.821 ± 1.274 χ^2/NDF : 31.0/14

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.3/18

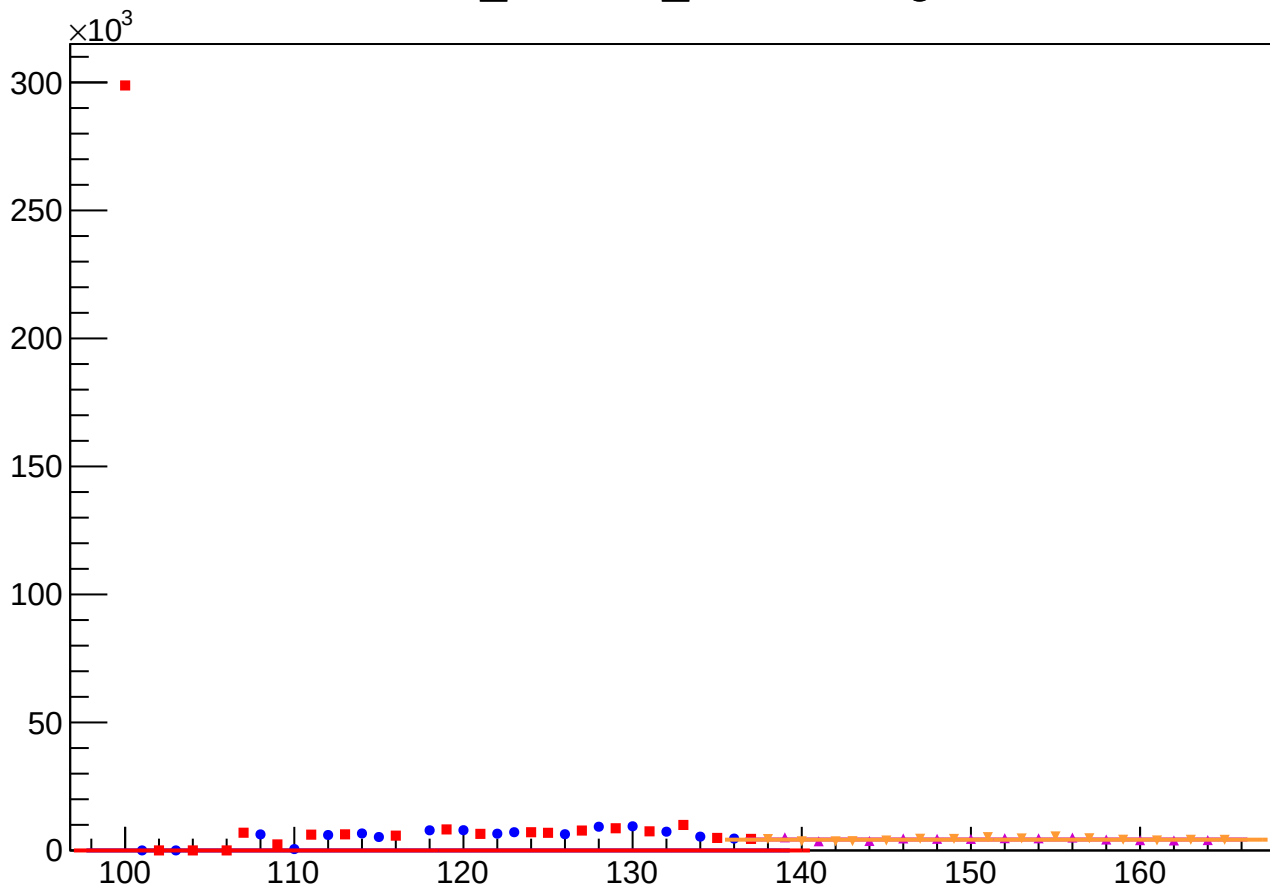
Left In: -0.214 ± 1.341 χ^2/NDF : 9.8/12

+ sign -0.023 ± 0.021 χ^2/NDF : 74.8/31

All: -0.025 ± 0.014 χ^2/NDF : 101.8/63

- sign -0.027 ± 0.020 χ^2/NDF : 27.0/31

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4214.246 $\pm$ 0.901 χ^2 /NDF: 334038.1/14

Right Out: 17.268 $\pm$ 0.014 χ^2 /NDF: 10813350.8/18

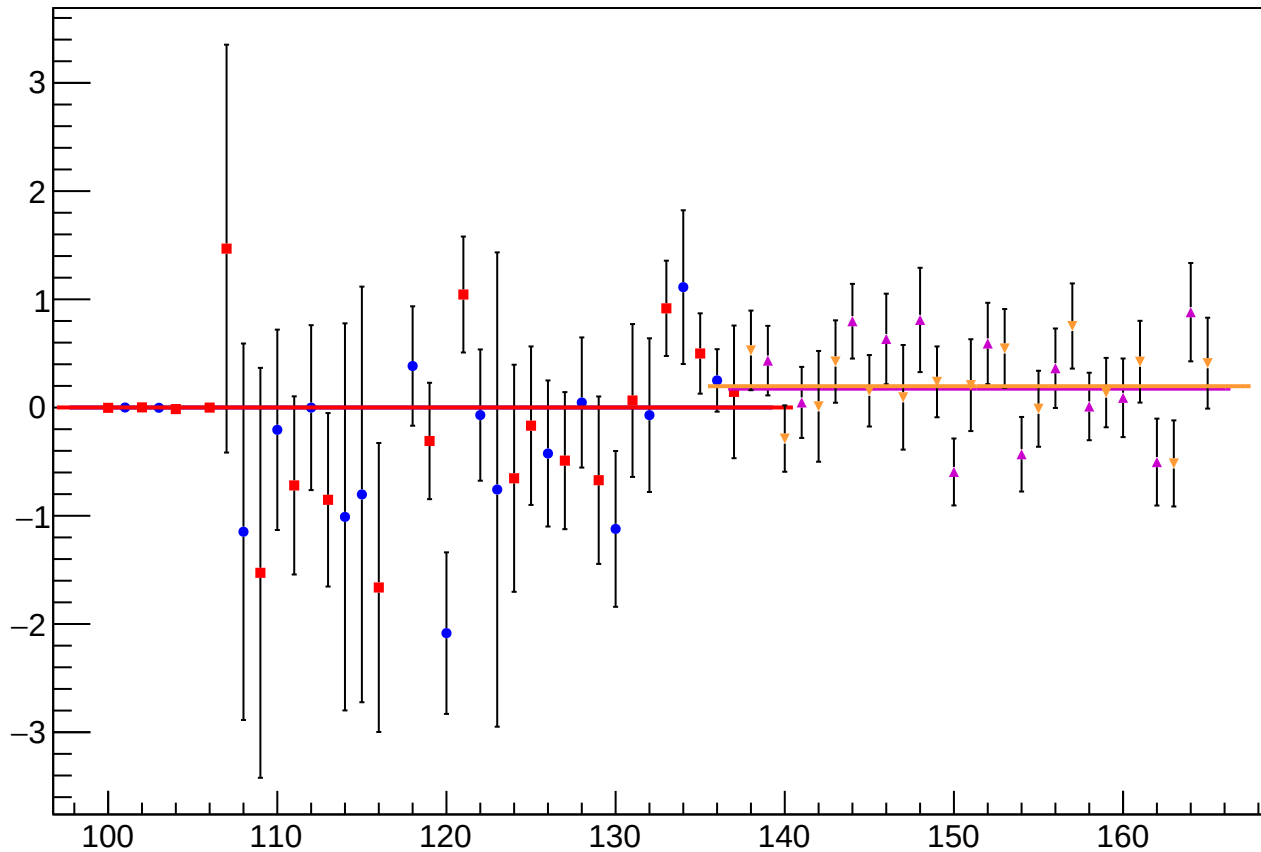
Left In: 4279.457 $\pm$ 0.948 χ^2 /NDF: 260029.7/12

+ sign 18.455 $\pm$ 0.015 χ^2 /NDF: 32388758.4/31

All: 18.318 $\pm$ 0.010 χ^2 /NDF: 63659244.7/63

- sign 18.195 $\pm$ 0.014 χ^2 /NDF: 31270322.6/31

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.6/16

Left Out: 0.197 $\pm$ 0.096 χ^2 /NDF:11.0/14

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 17.8/18

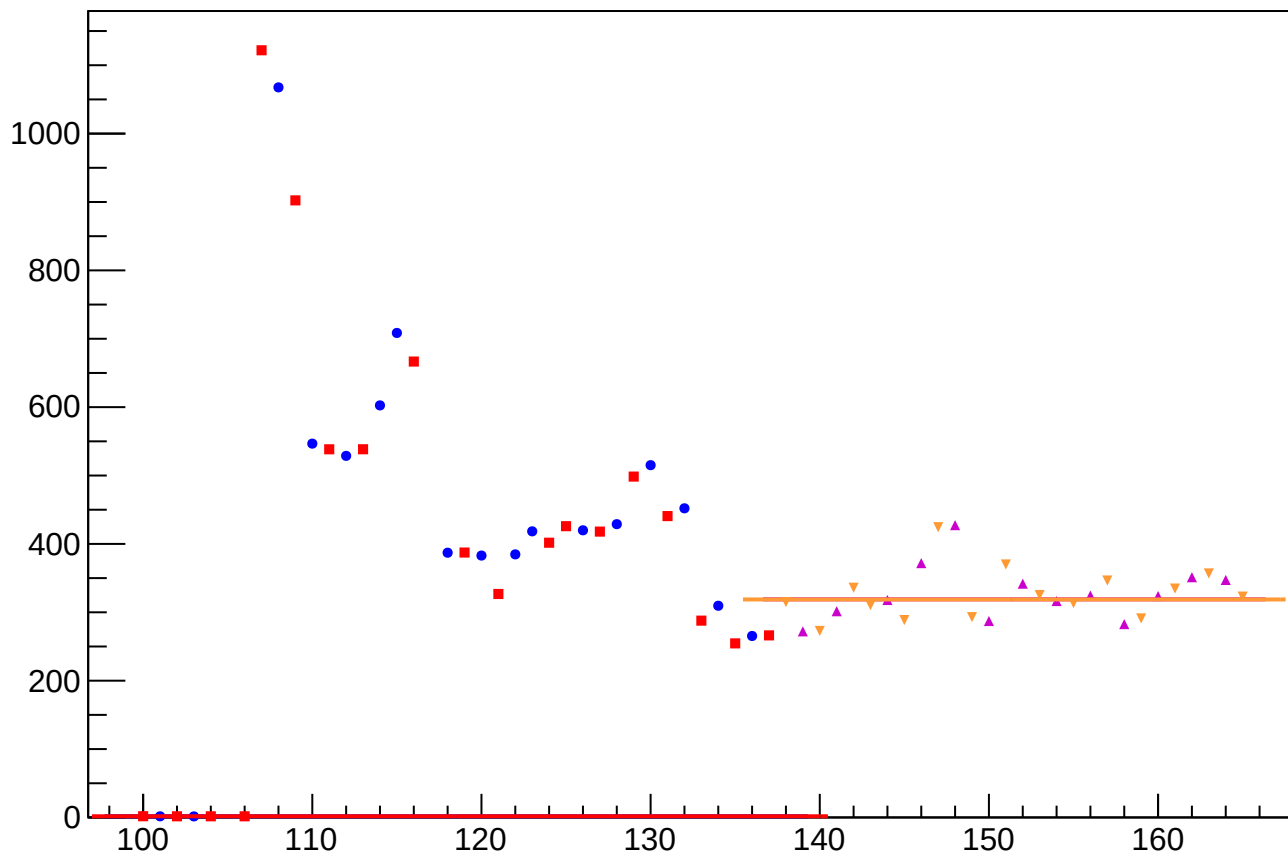
Left In: 0.175 $\pm$ 0.100 χ^2 /NDF:23.4/12

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 30.8/31

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 75.1/63

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 44.2/31

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 318.772+/-0.068 χ^2/NDF : 250322.8/14

Right Out: 1.728+/-0.001 χ^2/NDF : 10736674.8/18

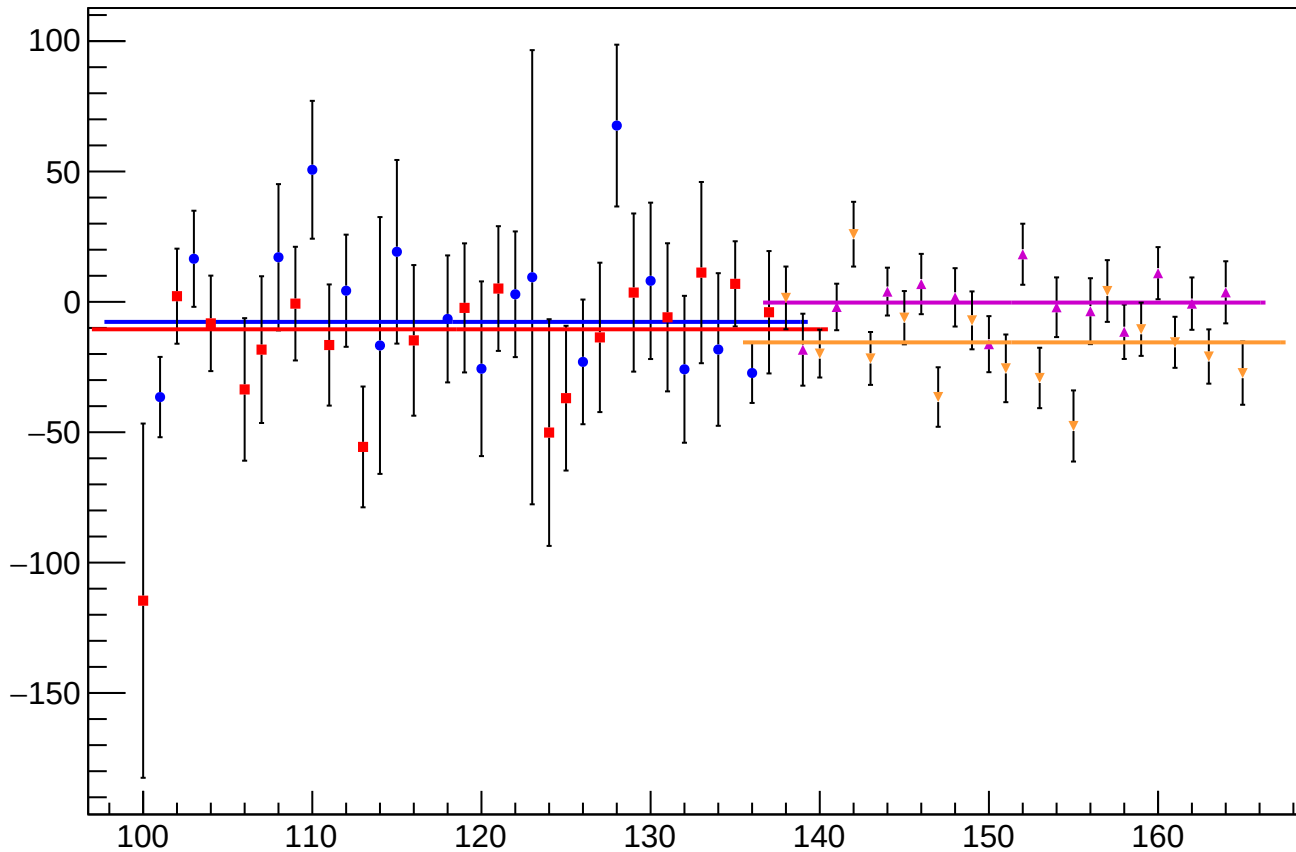
Left In: 318.960+/-0.071 χ^2/NDF : 258538.4/12

+ sign 1.839+/-0.001 χ^2/NDF : 32848957.4/31

All: 1.843+/-0.001 χ^2/NDF : 63895756.0/63

- sign 1.847+/-0.001 χ^2/NDF : 31046780.6/31

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -15.538 ± 2.859 χ^2/NDF : 30.3/14

Right Out: -10.524 ± 5.682 χ^2/NDF : 11.9/18

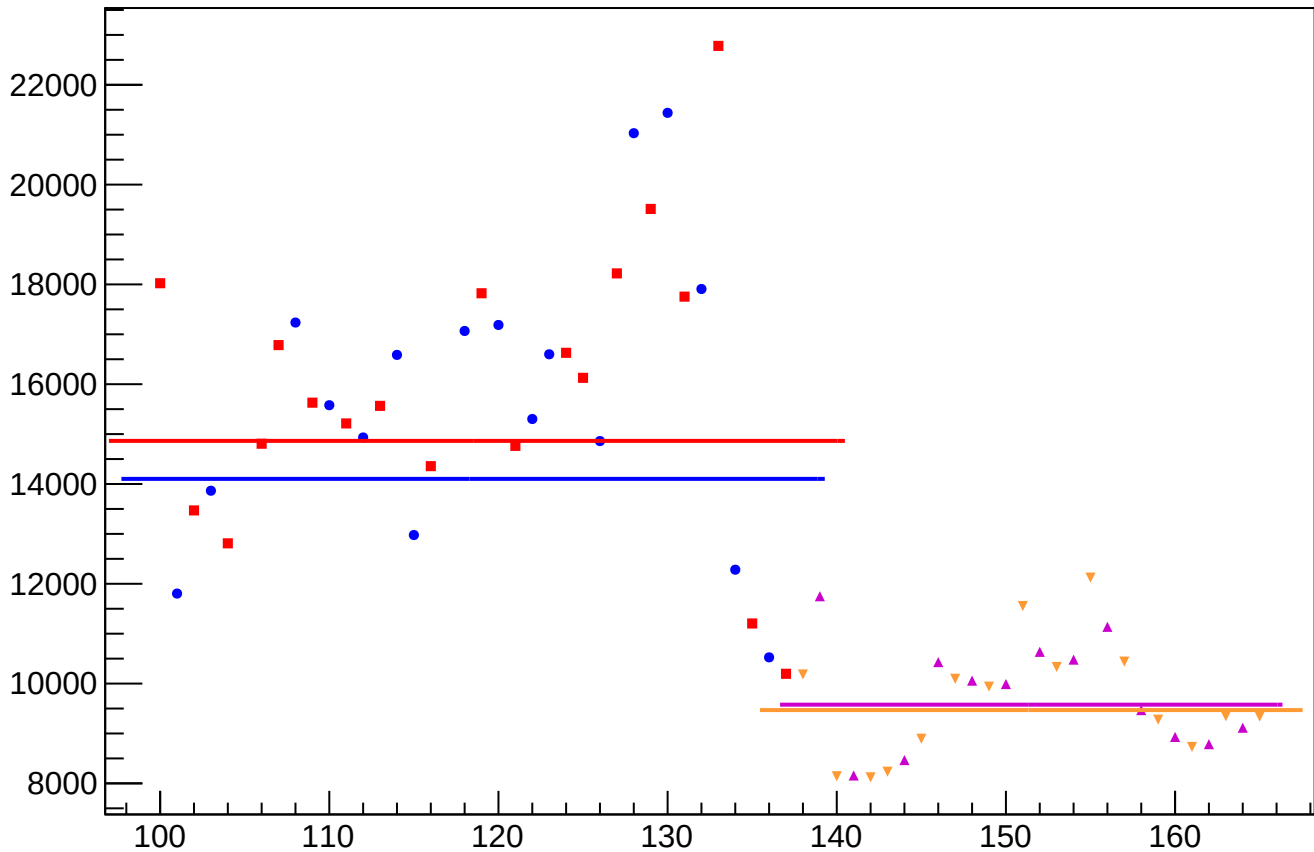
Left In: -0.276 ± 2.999 χ^2/NDF : 9.7/12

+ sign -13.926 ± 2.549 χ^2/NDF : 54.2/31

All: -8.445 ± 1.838 χ^2/NDF : 88.0/63

- sign -2.509 ± 2.652 χ^2/NDF : 24.1/31

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9468.824+/-2.022 χ^2/NDF : 282702.8/14

Right Out: 14864.163+/-4.018 χ^2/NDF : 470280.3/18

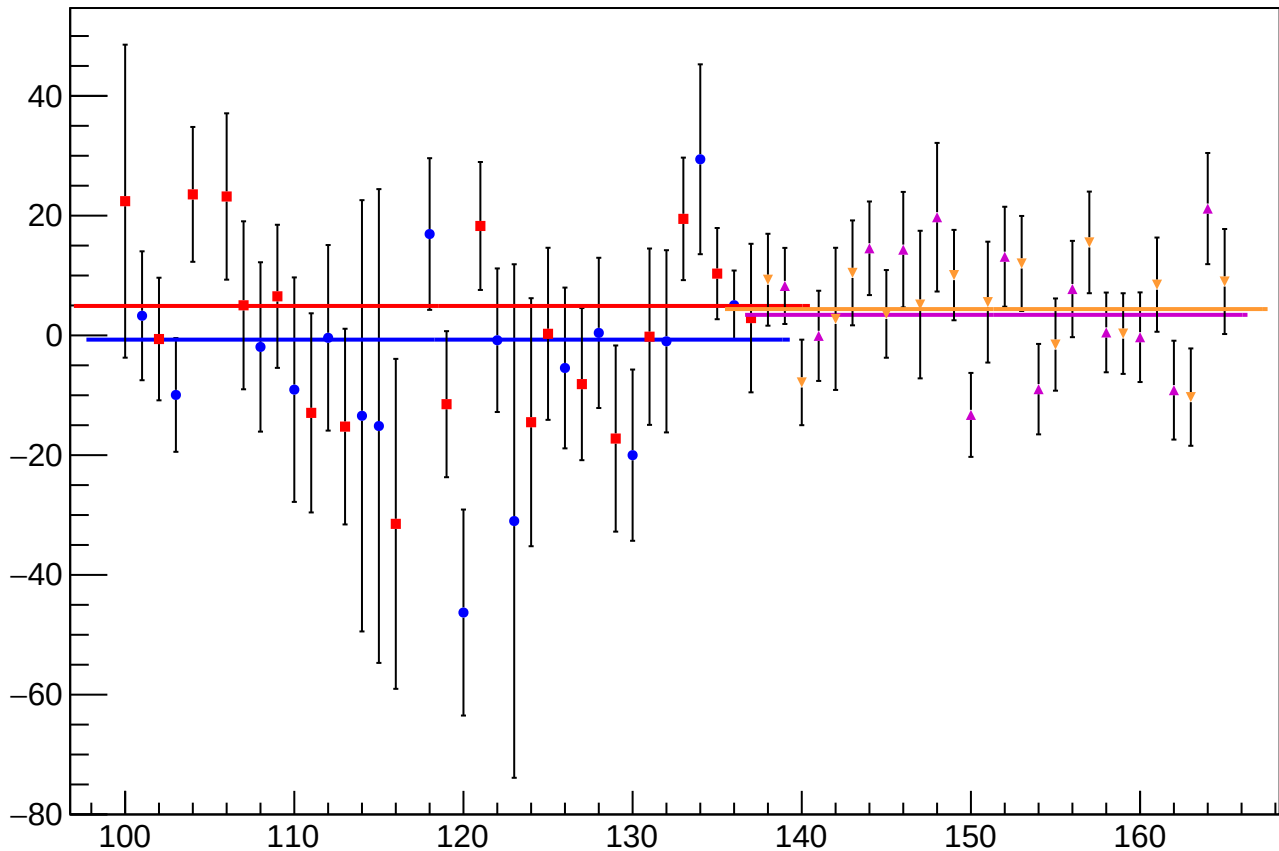
Left In: 9577.462+/-2.121 χ^2/NDF : 230382.5/12

+ sign 10419.586+/-1.802 χ^2/NDF : 1959505.5/31

All: 10568.350+/-1.300 χ^2/NDF : 4028365.0/6

- sign 10729.440+/-1.876 χ^2/NDF : 2054670.4/31

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 4.396 ± 2.121 χ^2/NDF : 11.9/14

Right Out: 4.918 ± 2.940 χ^2/NDF : 19.8/18

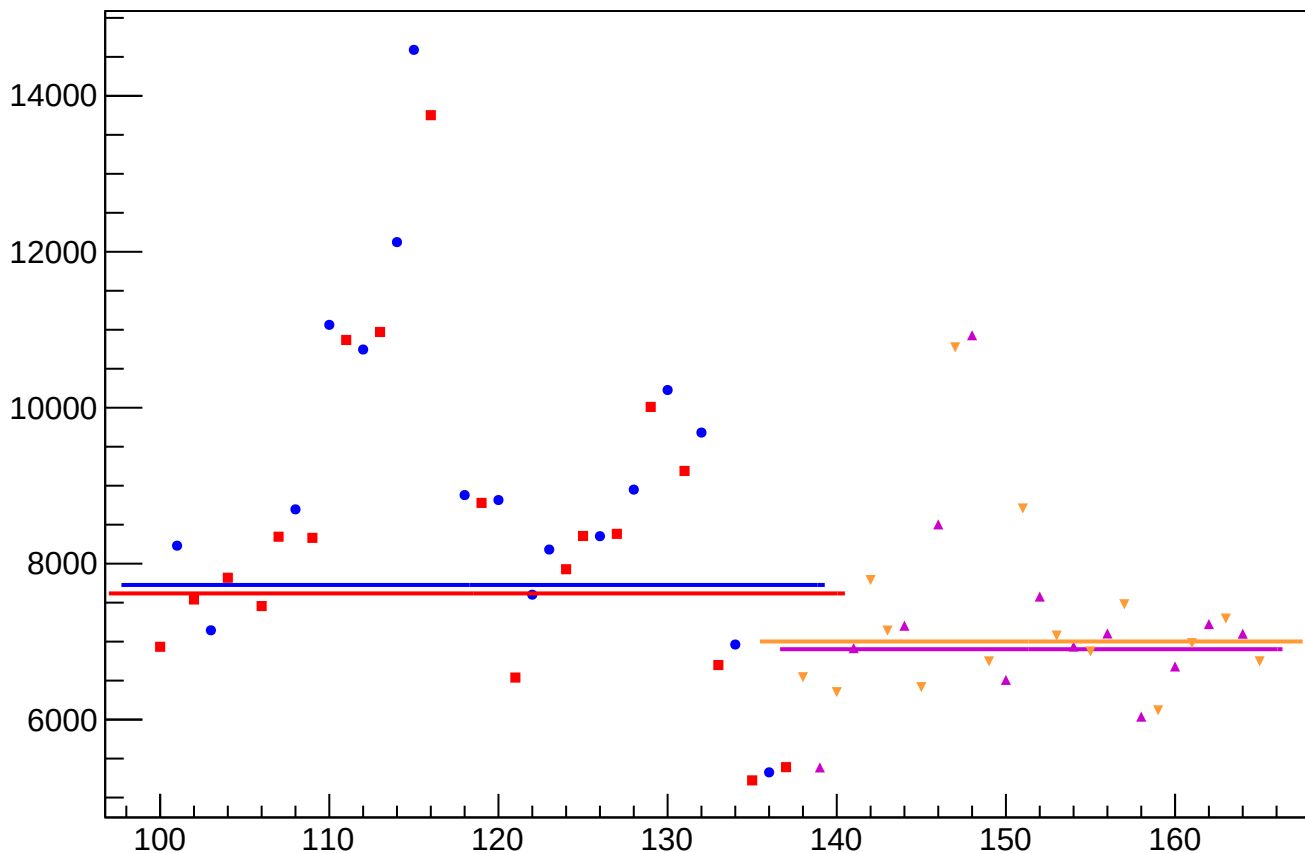
Left In: 3.431 ± 2.180 χ^2/NDF : 22.3/12

+ sign 2.756 ± 1.748 χ^2/NDF : 31.3/31

All: 3.356 ± 1.237 χ^2/NDF : 73.7/63

- sign 3.959 ± 1.751 χ^2/NDF : 42.2/31

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7001.822 $\pm$ 1.500 χ^2 /NDF:338387.7/14

Right Out: 7618.206 $\pm$ 2.079 χ^2 /NDF: 675125.4/18

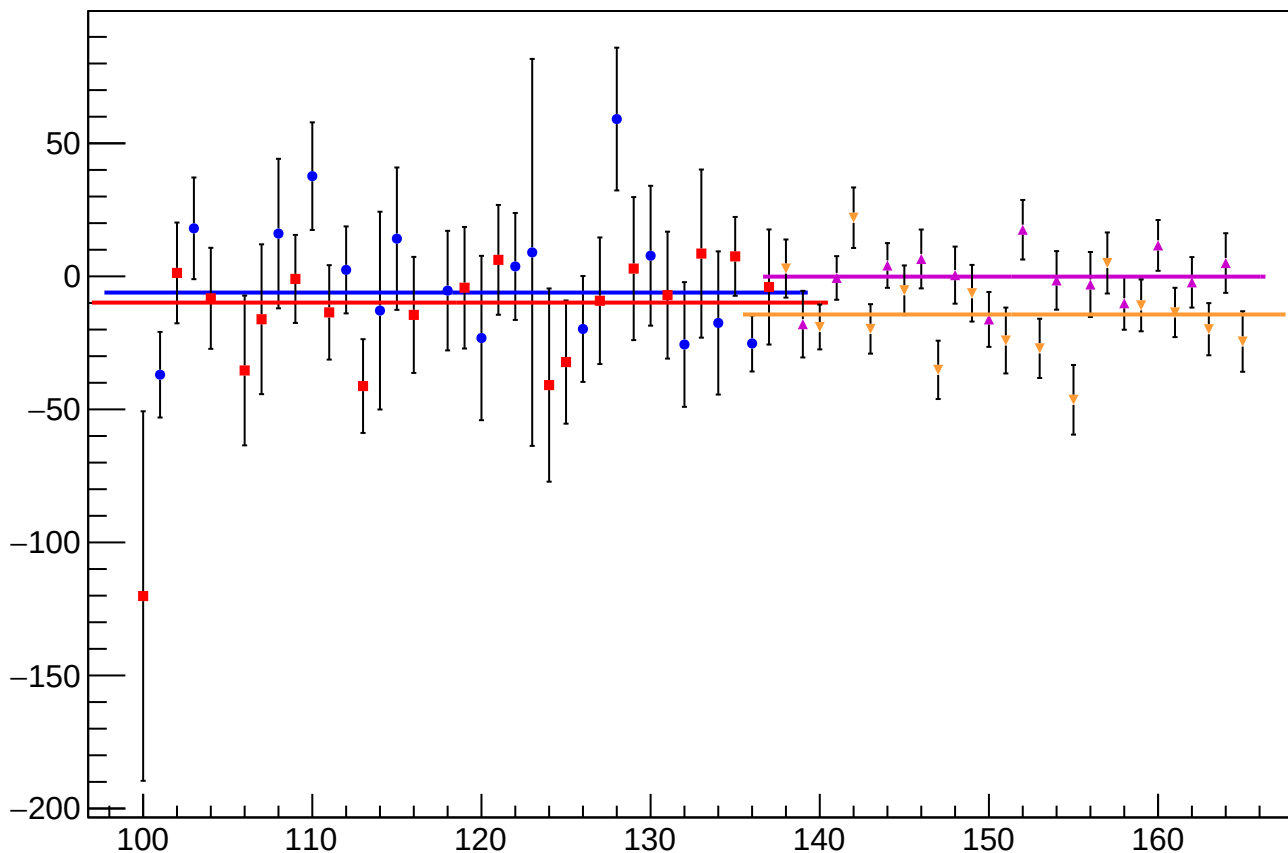
Left In: 6902.615 $\pm$ 1.542 χ^2 /NDF:442702.3/12

+ sign 7234.656 $\pm$ 1.236 χ^2 /NDF: 1155937.3/31

All: 7195.693 $\pm$ 0.875 χ^2 /NDF: 2352218.5/63

- sign 7156.567 $\pm$ 1.238 χ^2 /NDF: 1194288.5/31

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -14.326 ± 2.685 χ^2/NDF : 30.5/14

Right Out: -9.864 ± 5.004 χ^2/NDF : 11.6/18

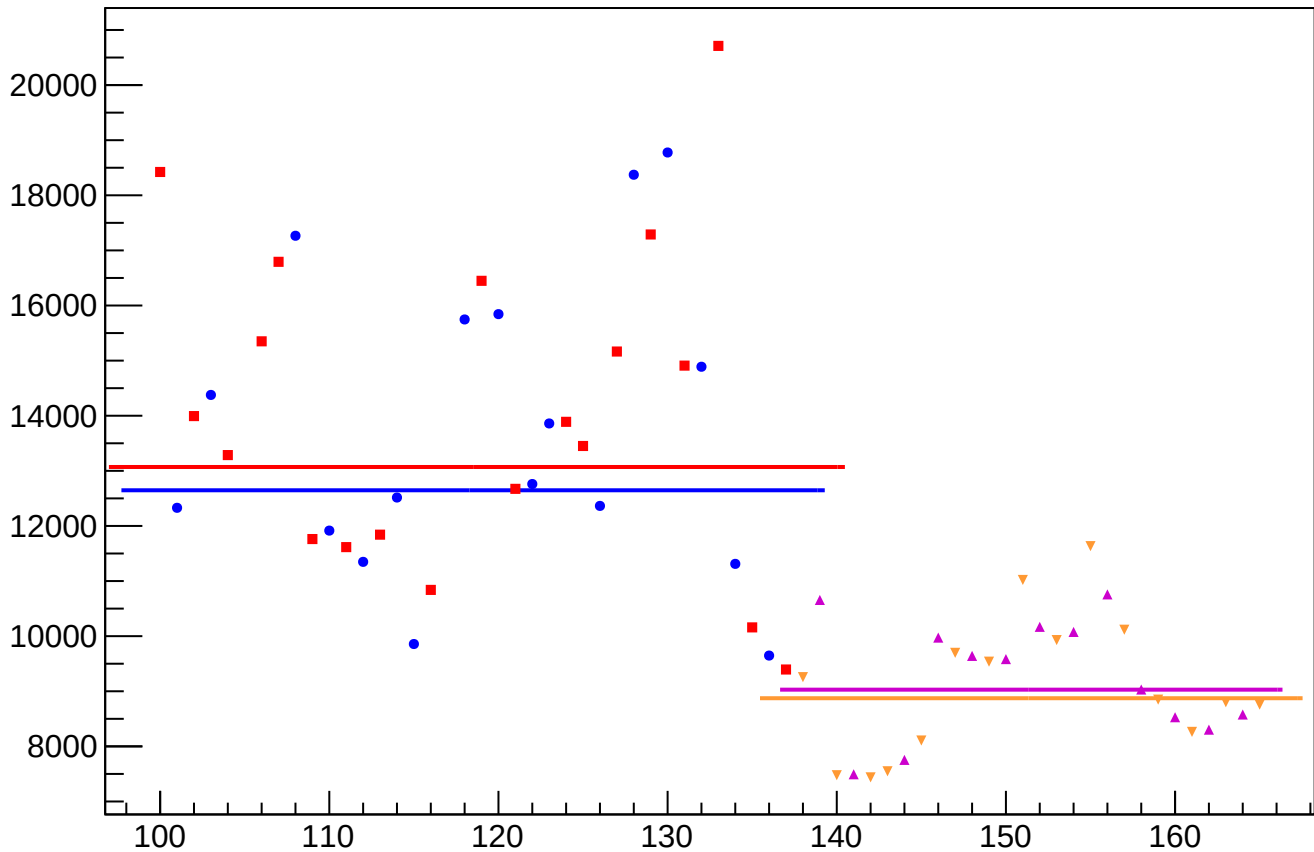
Left In: -0.106 ± 2.831 χ^2/NDF : 10.4/12

+ sign -12.503 ± 2.369 χ^2/NDF : 55.5/31

All: -7.684 ± 1.708 χ^2/NDF : 89.1/63

- sign -2.472 ± 2.464 χ^2/NDF : 25.0/31

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8873.768+/-1.898 χ^2/NDF : 362118.9/14

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

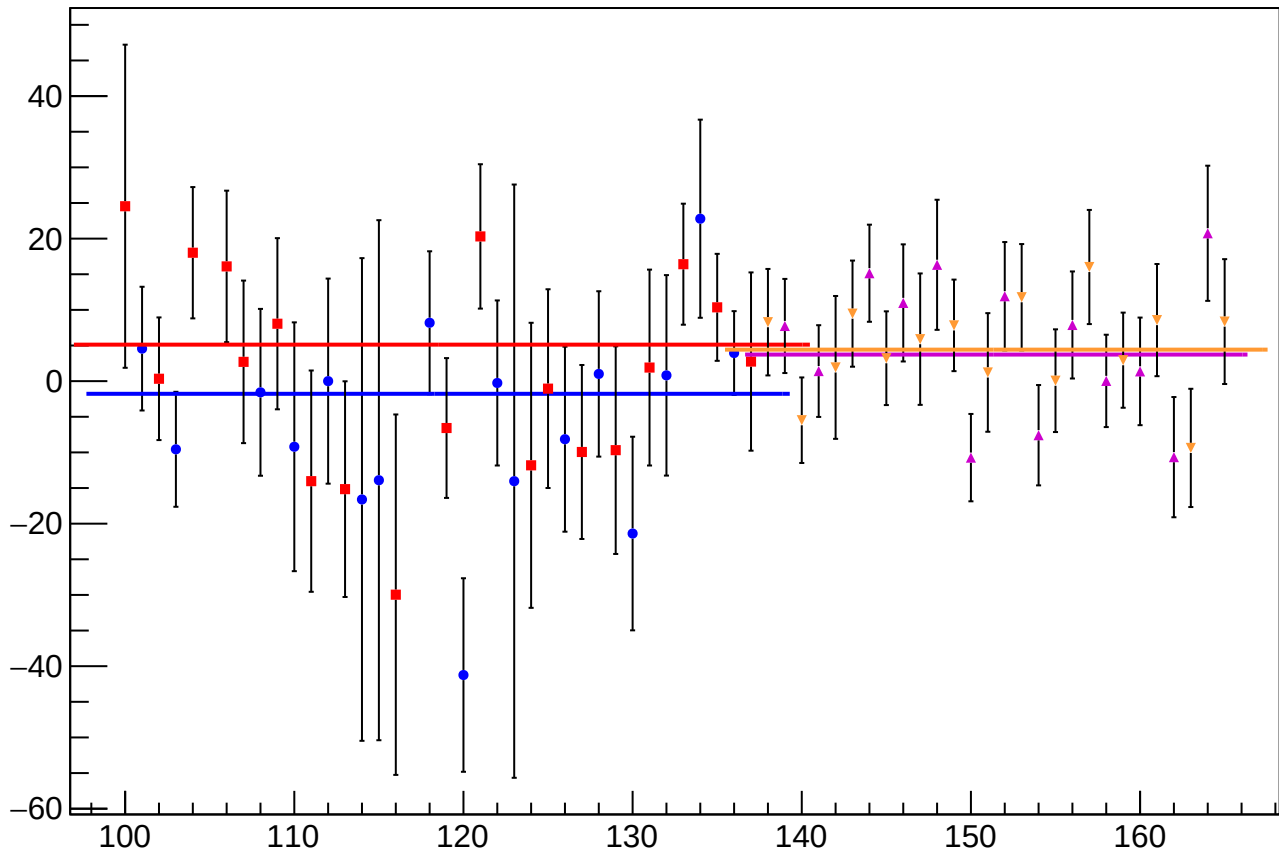
Left In: 9029.202+/-2.002 χ^2/NDF : 276437.2/12

+ sign 9709.414+/-1.675 χ^2/NDF : 1791480.1/31

All: 9853.268+/-1.207 χ^2/NDF : 3567661.2/63

- sign 10008.881+/-1.742 χ^2/NDF : 1760826.1/31

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 4.421 ± 1.938 χ^2/NDF : 10.7/14

Right Out: 5.122 ± 2.642 χ^2/NDF : 18.9/18

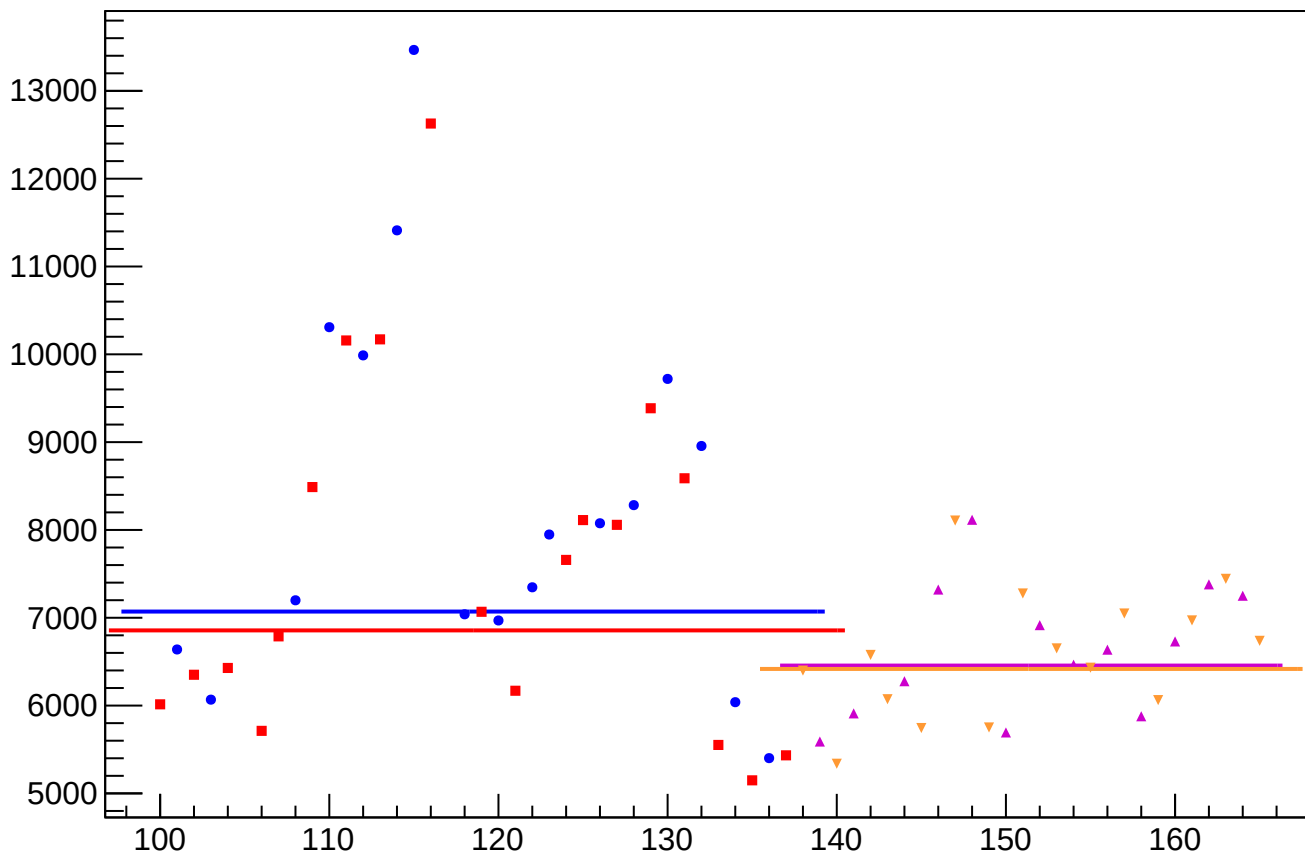
Left In: 3.730 ± 2.025 χ^2/NDF : 22.2/12

+ sign 2.419 ± 1.595 χ^2/NDF : 32.0/31

All: 3.325 ± 1.132 χ^2/NDF : 73.9/63

- sign 4.245 ± 1.607 χ^2/NDF : 41.2/31

diff_bpm4eY_rms vs Slug



Right In: 7070.672+/-1.984 χ^2/NDF : 601692.5/16

Left Out: 6417.306+/-1.371 χ^2/NDF : 263655.7/14

Right Out: 6856.136+/-1.868 χ^2/NDF : 682220.3/18

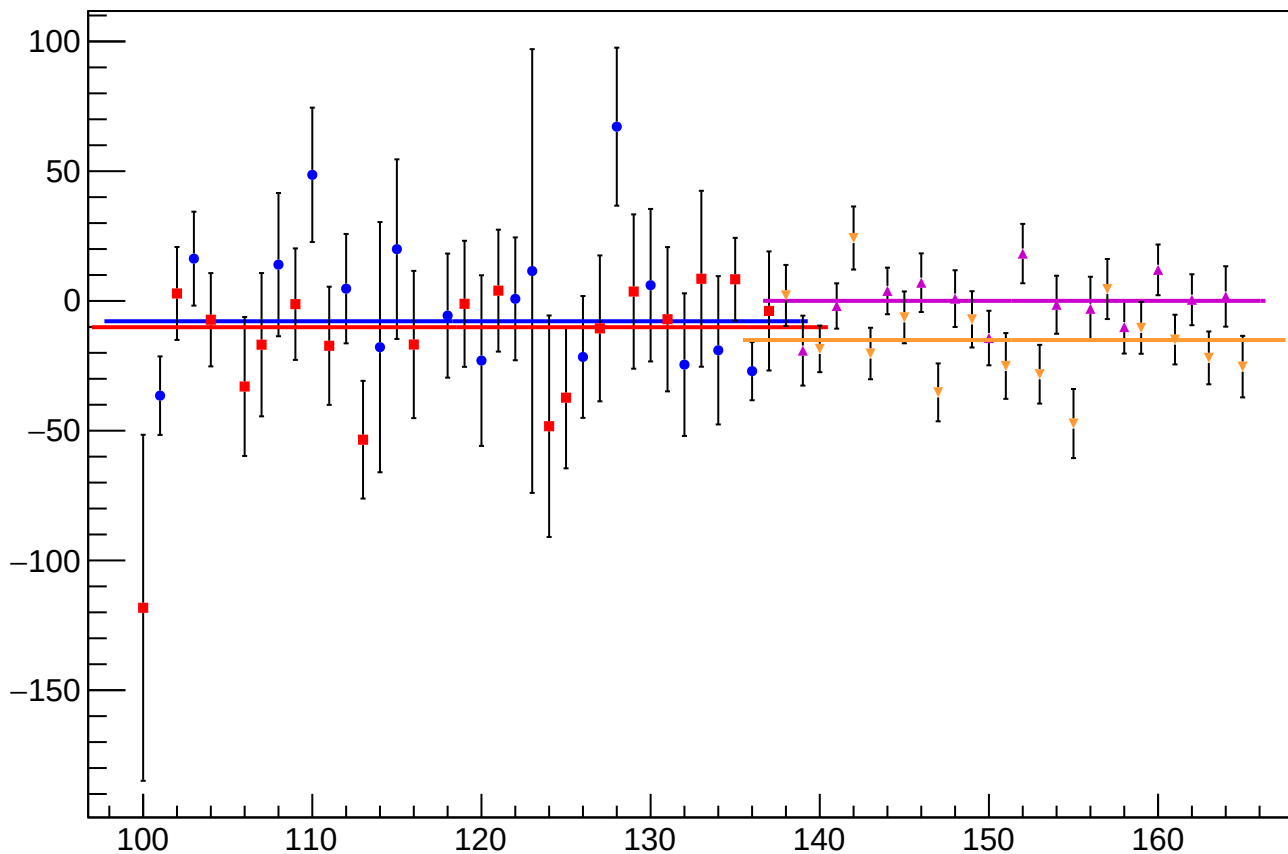
Left In: 6455.518+/-1.432 χ^2/NDF : 234347.7/12

+ sign 6628.368+/-1.128 χ^2/NDF : 938754.6/31

All: 6616.193+/-0.801 χ^2/NDF : 1884522.3/63

- sign 6603.826+/-1.137 χ^2/NDF : 945532.8/31

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -15.072 ± 2.795 χ^2/NDF : 29.7/14

Right Out: -10.117 ± 5.571 χ^2/NDF : 12.2/18

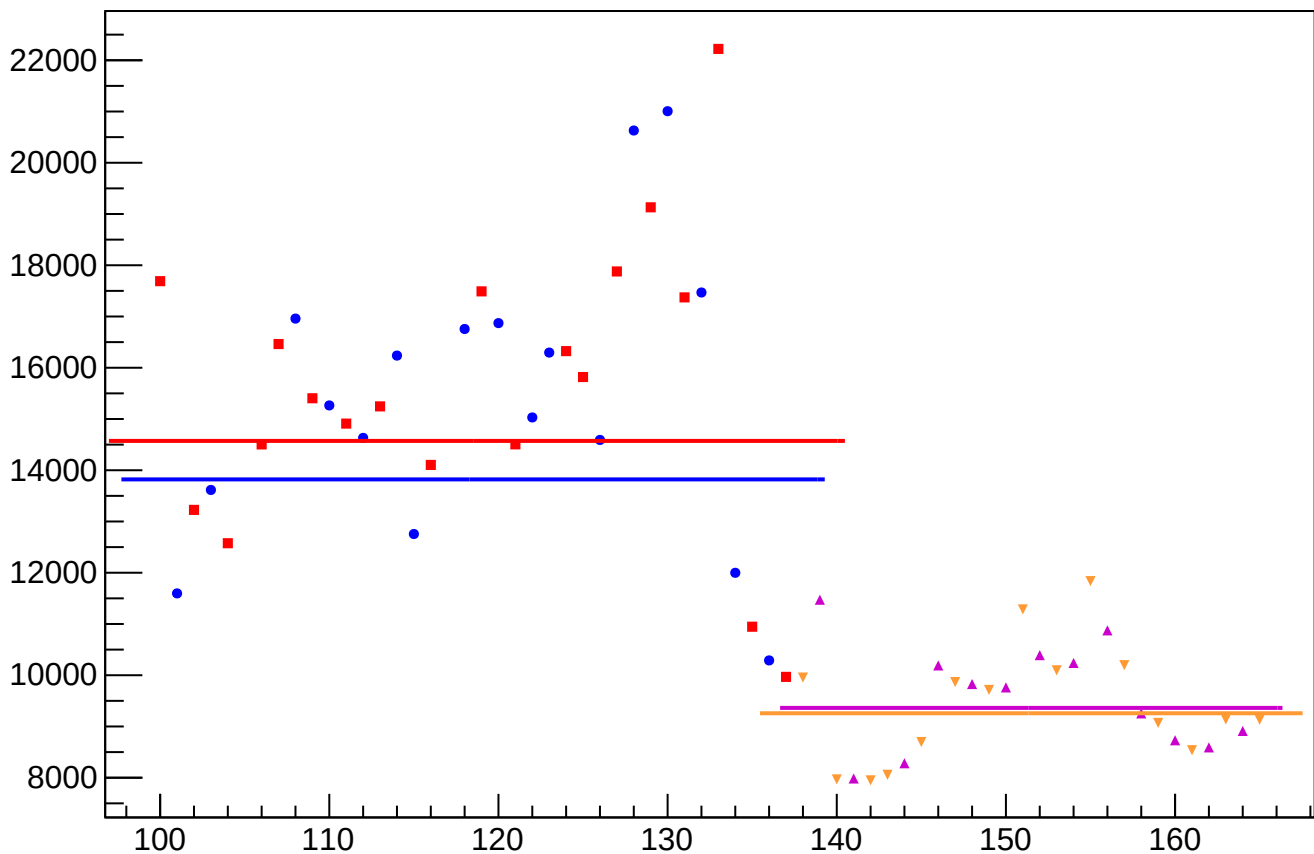
Left In: 0.035 ± 2.932 χ^2/NDF : 9.6/12

+ sign -13.592 ± 2.493 χ^2/NDF : 53.4/31

All: -8.106 ± 1.798 χ^2/NDF : 87.9/63

- sign -2.166 ± 2.594 χ^2/NDF : 24.4/31

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9257.886+/-1.976 χ^2/NDF : 279471.0/14

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

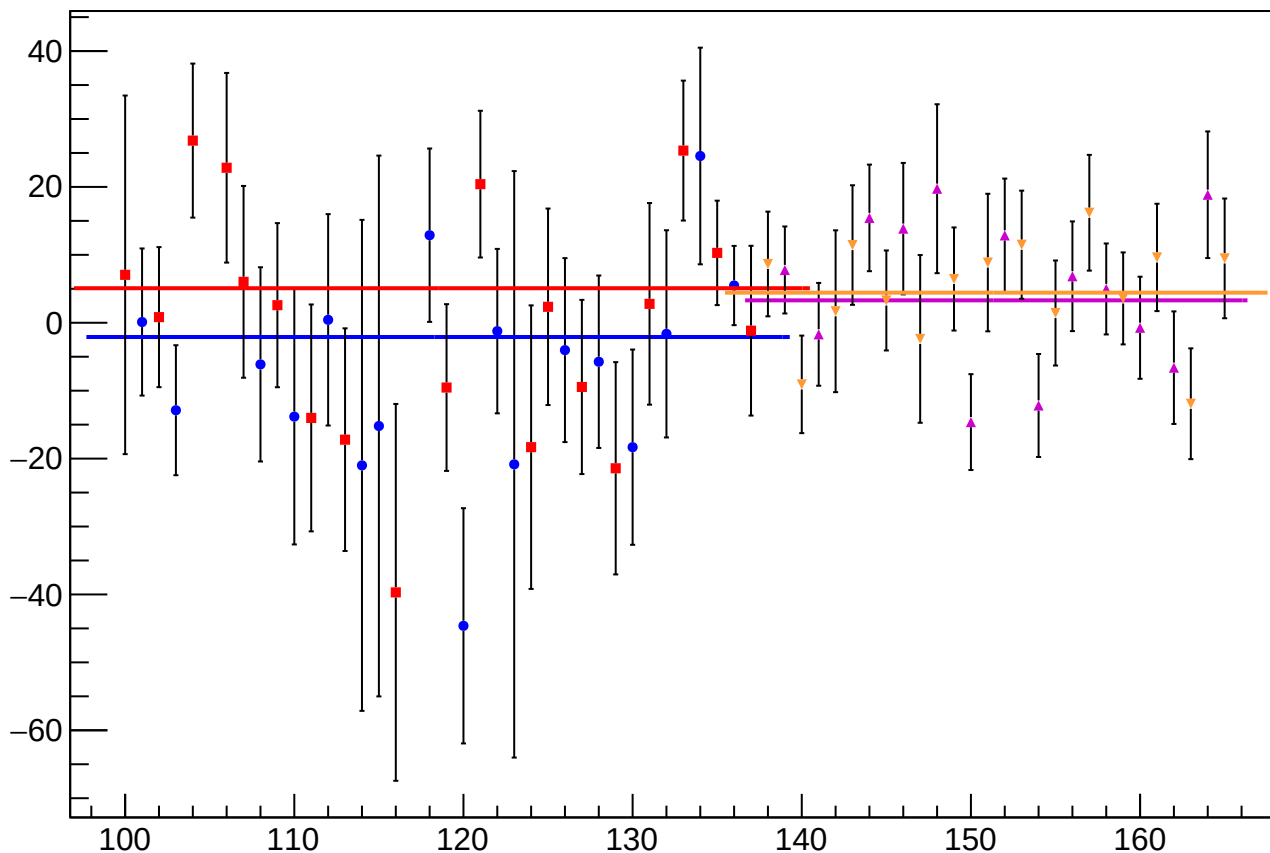
Left In: 9362.696+/-2.073 χ^2/NDF : 227604.5/12

+ sign 10190.273+/-1.763 χ^2/NDF : 1971366.2/31

All: 10335.391+/-1.271 χ^2/NDF : 4055185.3/6

- sign 10492.530+/-1.835 χ^2/NDF : 2069706.7/31

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 4.431 ± 2.130 χ^2/NDF : 12.8/14

Right Out: 5.085 ± 2.962 χ^2/NDF : 24.8/18

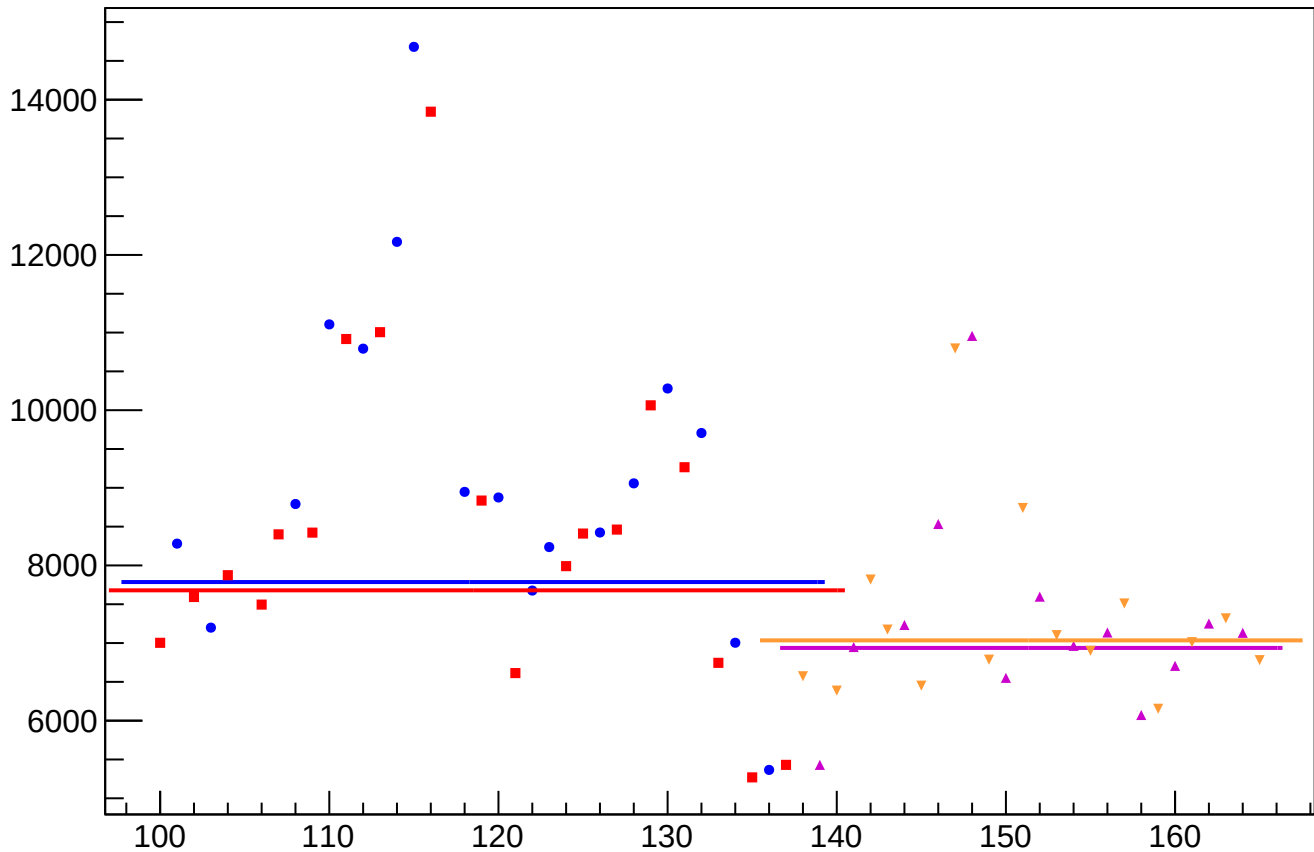
Left In: 3.300 ± 2.191 χ^2/NDF : 22.9/12

+ sign 2.342 ± 1.757 χ^2/NDF : 31.4/31

All: 3.135 ± 1.244 χ^2/NDF : 79.7/63

- sign 3.931 ± 1.761 χ^2/NDF : 47.9/31

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7034.408+/-1.506 χ^2/NDF : 334582.3/14

Right Out: 7679.182+/-2.095 χ^2/NDF : 668736.8/18

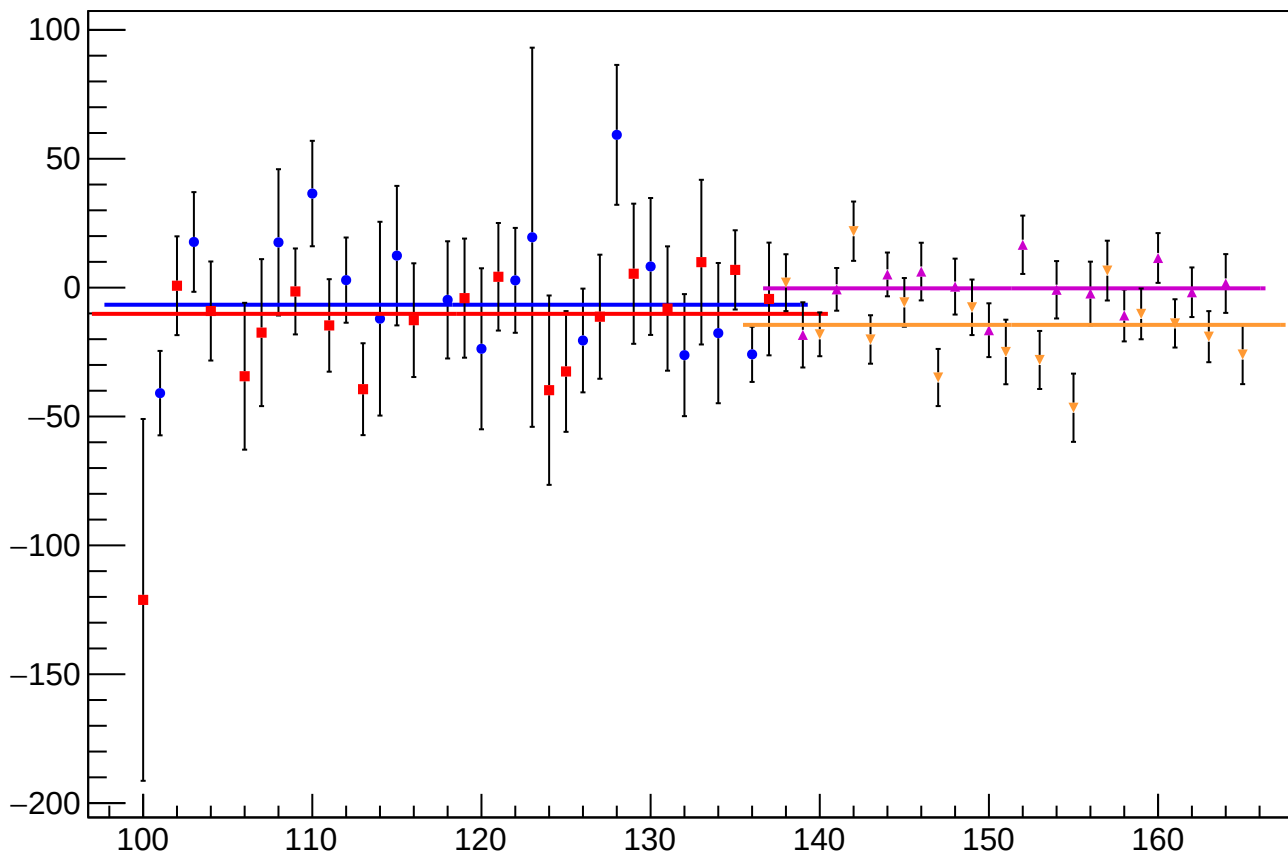
Left In: 6937.182+/-1.549 χ^2/NDF : 435465.5/12

+ sign 7274.814+/-1.242 χ^2/NDF : 1152292.1/31

All: 7237.251+/-0.880 χ^2/NDF : 2339452.1/63

- sign 7199.504+/-1.245 χ^2/NDF : 1185327.2/31

diff_bpm4ecX_mean vs Slug



Right In: -6.634 $\pm$ 5.101 χ^2 /NDF: 23.4/16

Left Out: -14.445 $\pm$ 2.714 χ^2 /NDF: 30.1/14

Right Out: -10.172 $\pm$ 5.075 χ^2 /NDF: 10.8/18

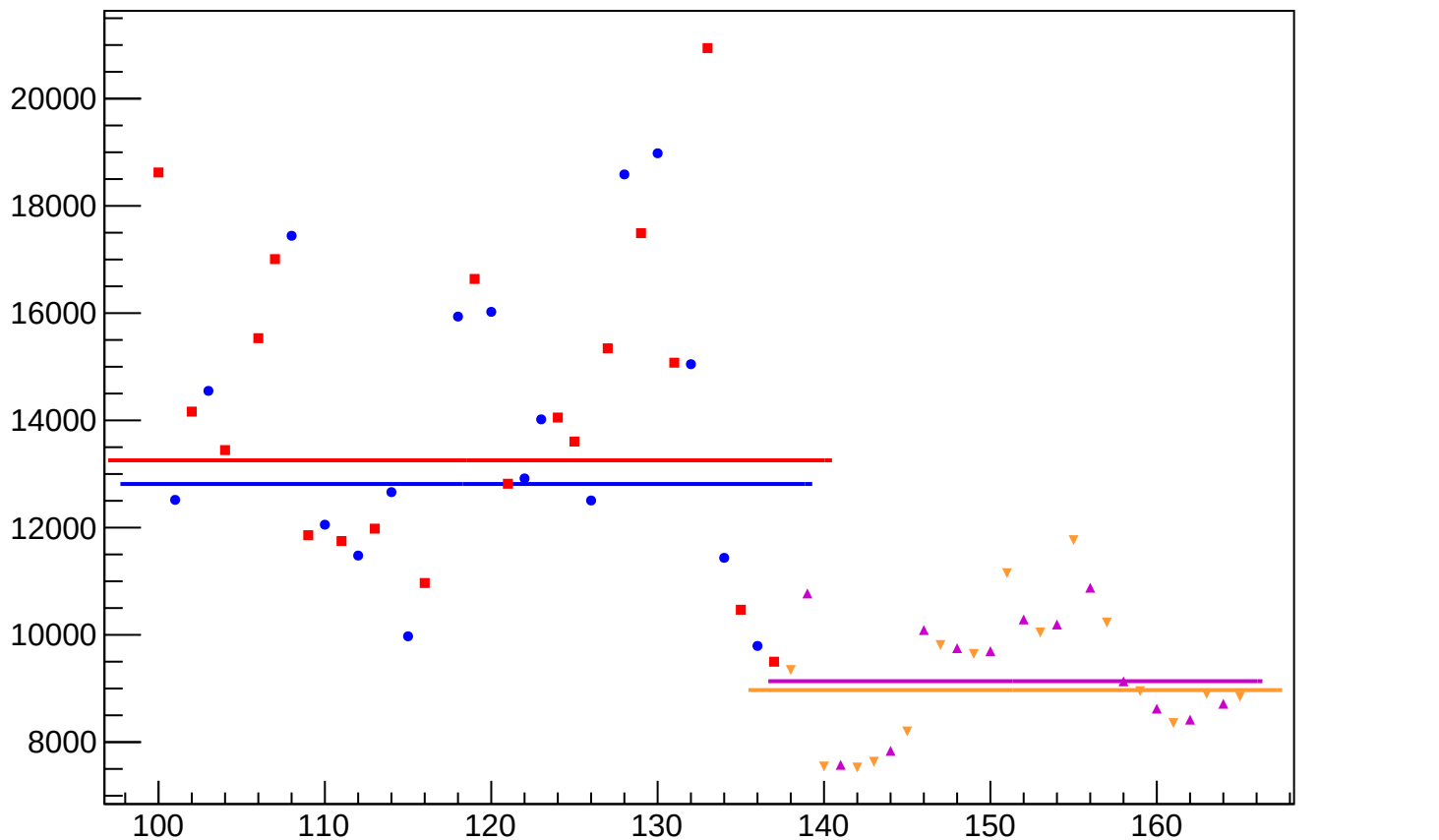
Left In: -0.274 $\pm$ 2.864 χ^2 /NDF: 10.1/12

+ sign -12.722 $\pm$ 2.396 χ^2 /NDF: 55.4/31

All: -7.896 $\pm$ 1.728 χ^2 /NDF: 87.6/63

- sign -2.666 $\pm$ 2.495 χ^2 /NDF: 23.8/31

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8970.537+/-1.919 χ^2/NDF : 363704.6/14

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

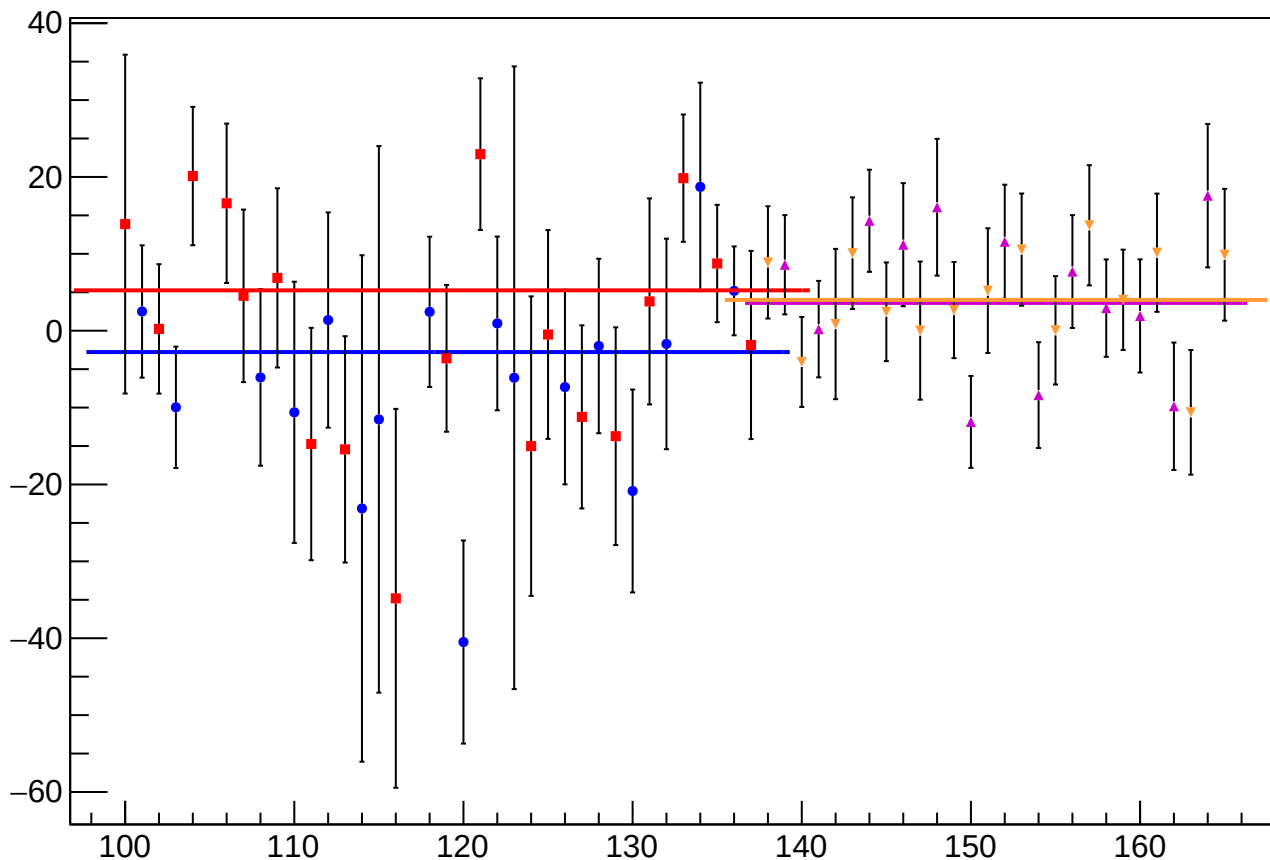
Left In: 9136.075+/-2.025 χ^2/NDF : 276069.1/12

+ sign 9818.359+/-1.694 χ^2/NDF : 1796550.0/31

All: 9968.591+/-1.222 χ^2/NDF : 3572742.4/63

- sign 10131.428+/-1.764 χ^2/NDF : 1759807.2/31

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 4.004 ± 1.892 χ^2/NDF : 10.5/14

Right Out: 5.252 ± 2.590 χ^2/NDF : 23.5/18

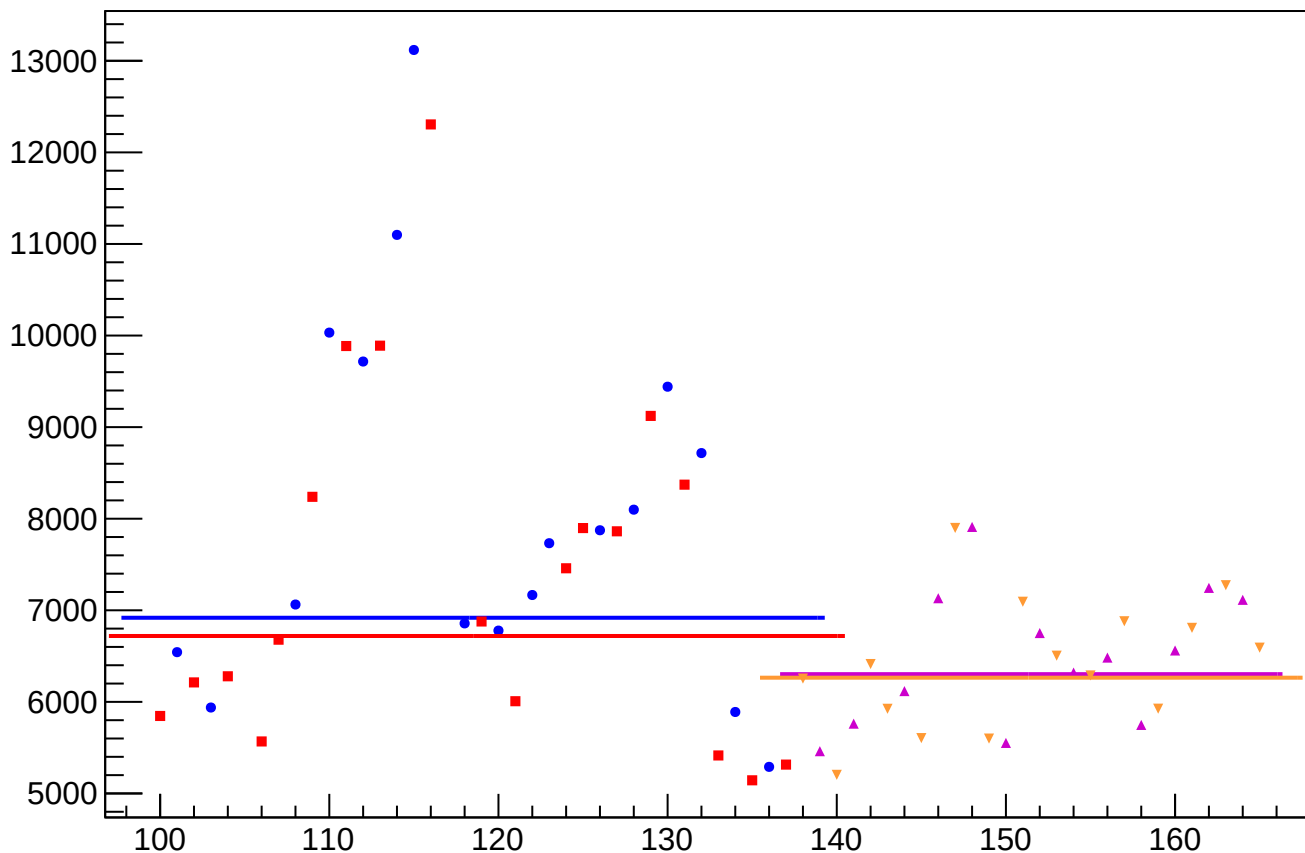
Left In: 3.616 ± 1.978 χ^2/NDF : 22.5/12

+ sign 1.822 ± 1.558 χ^2/NDF : 31.6/31

All: 3.010 ± 1.107 χ^2/NDF : 79.1/63

- sign 4.219 ± 1.572 χ^2/NDF : 46.2/31

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6264.008+/-1.338 χ^2/NDF : 265431.9/14

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

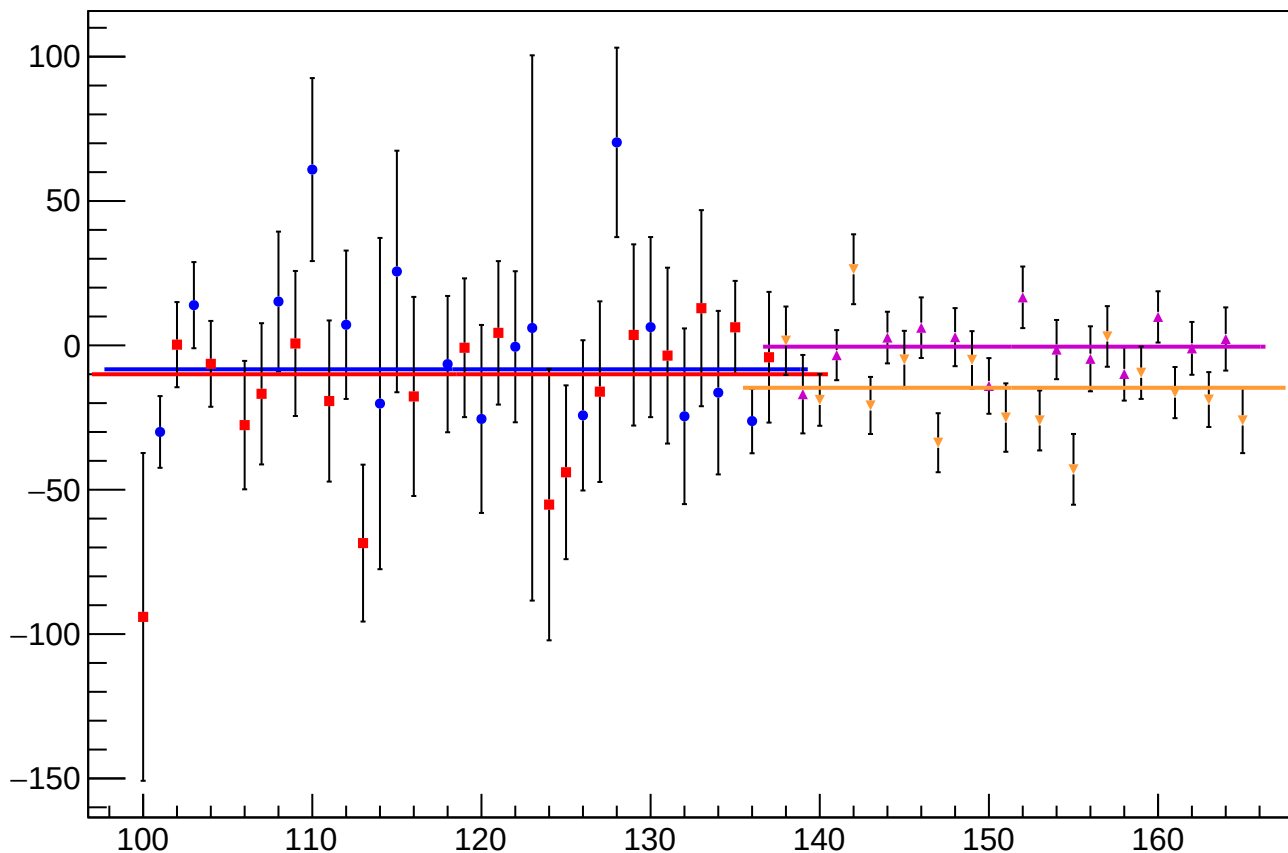
Left In: 6302.730+/-1.399 χ^2/NDF : 235999.2/12

+ sign 6474.610+/-1.102 χ^2/NDF : 930417.1/31

All: 6465.513+/-0.783 χ^2/NDF : 1853085.7/63

- sign 6456.257+/-1.112 χ^2/NDF : 922531.1/31

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -14.688 ± 2.650 $\chi^2/\text{NDF}: 31.1/14$

Right Out: -10.007 ± 5.513 $\chi^2/\text{NDF}: 12.9/18$

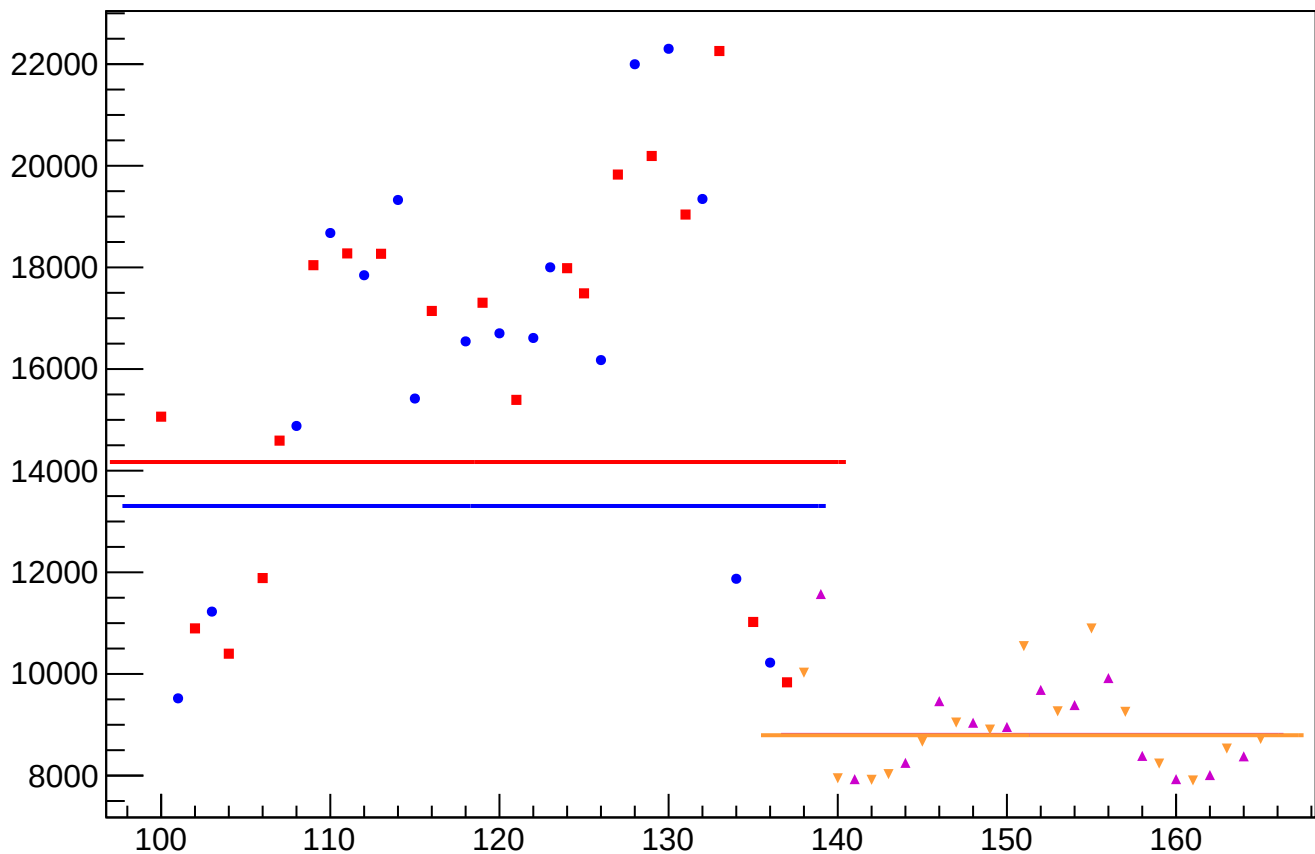
Left In: -0.449 ± 2.755 $\chi^2/\text{NDF}: 9.4/12$

+ sign -13.449 ± 2.380 $\chi^2/\text{NDF}: 53.9/31$

All: -8.096 ± 1.712 $\chi^2/\text{NDF}: 89.1/63$

- sign -2.358 ± 2.464 $\chi^2/\text{NDF}: 24.7/31$

diff_bpm1X_rms vs Slug



Right In: 13305.410 $\pm$ 3.826 χ^2 /NDF: 1044091.1/16

Left Out: 8794.373 $\pm$ 1.874 χ^2 /NDF:203660.1/14

Right Out: 14170.668 $\pm$ 3.898 χ^2 /NDF: 930612.1/18

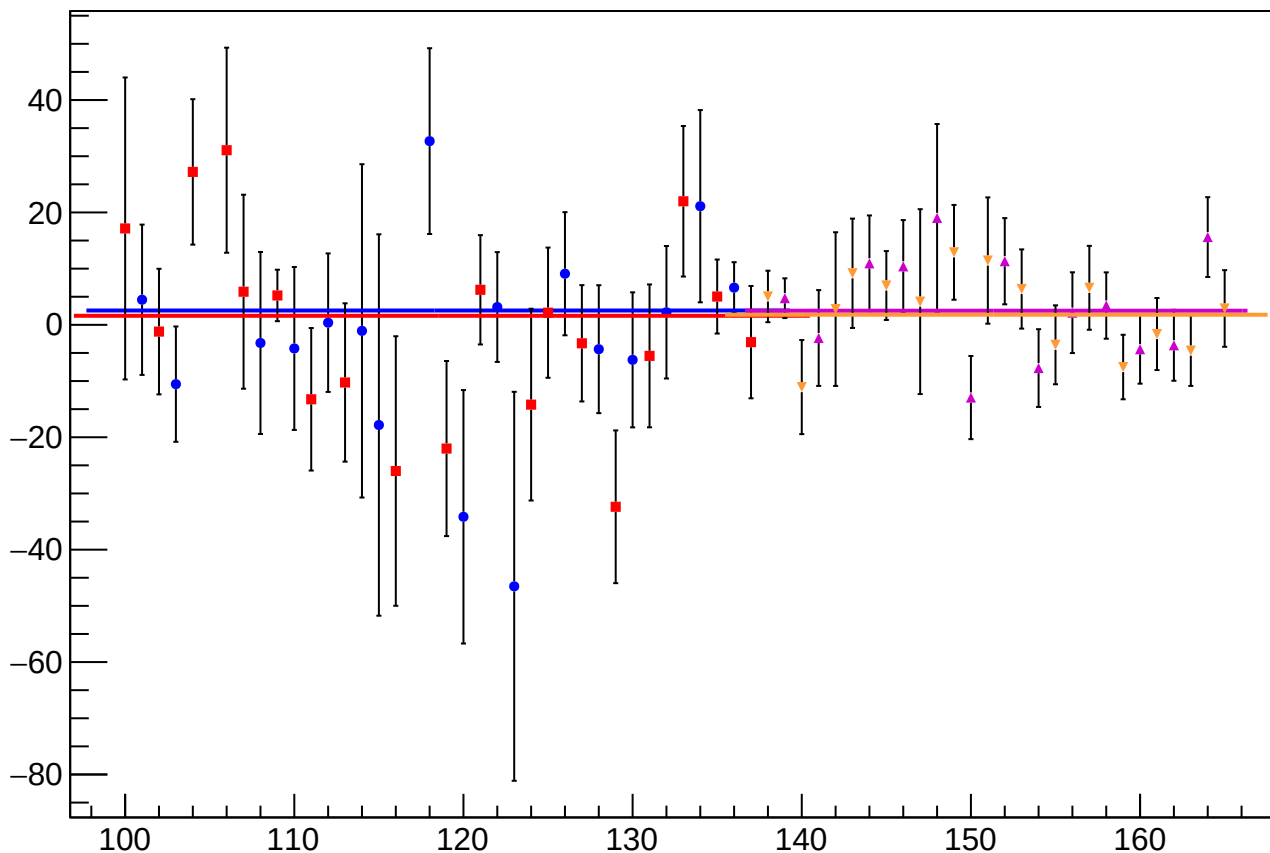
Left In: 8800.979 $\pm$ 1.948 χ^2 /NDF:201790.7/12

+ sign 9667.354 $\pm$ 1.683 χ^2 /NDF: 2369147.9/31

All: 9766.928 $\pm$ 1.210 χ^2 /NDF: 5027093.3/63

- sign 9873.665 $\pm$ 1.742 χ^2 /NDF: 2650691.8/31

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 1.799 ± 1.857 χ^2/NDF : 12.0/14

Right Out: 1.613 ± 2.442 χ^2/NDF : 24.0/18

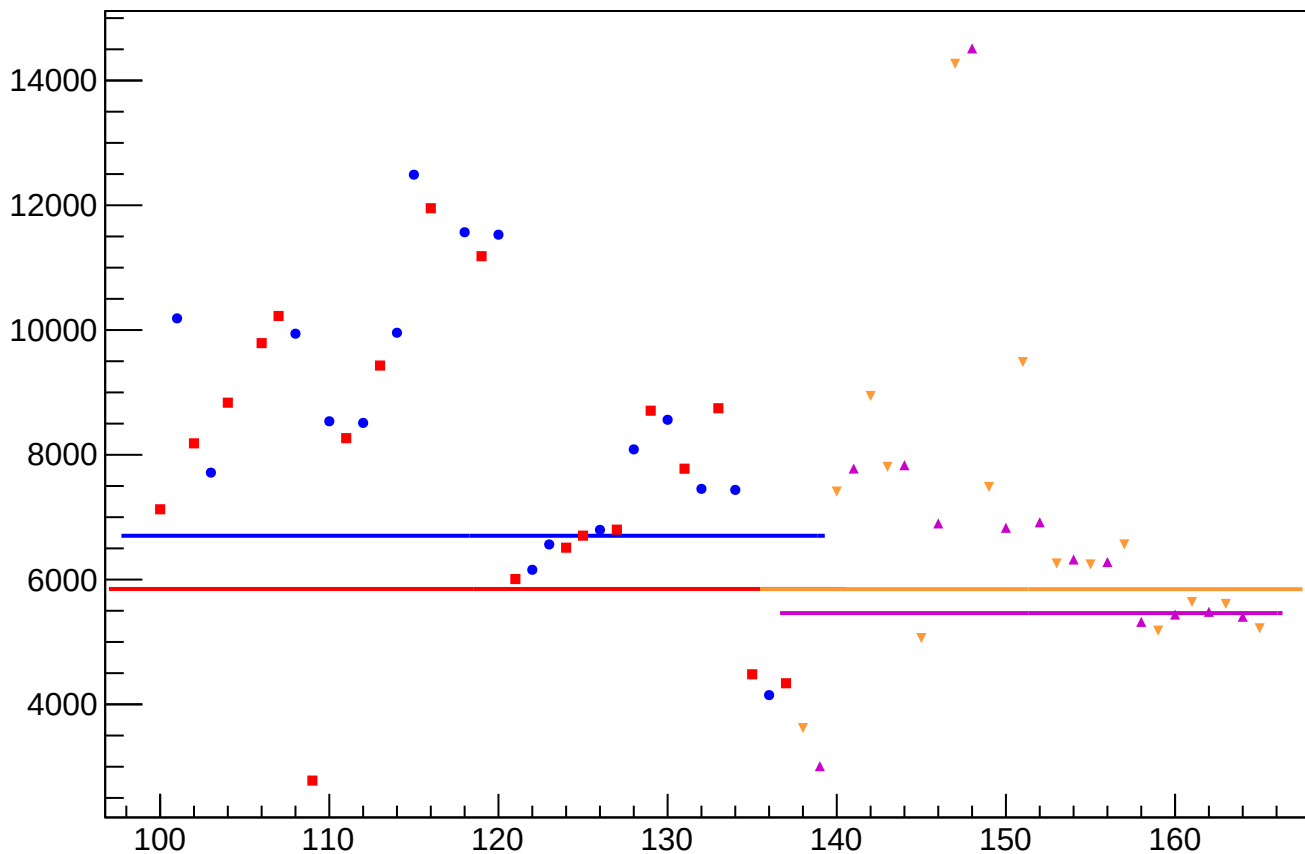
Left In: 2.513 ± 1.820 χ^2/NDF : 17.1/12

+ sign 2.034 ± 1.540 χ^2/NDF : 25.7/31

All: 2.117 ± 1.059 χ^2/NDF : 66.9/63

- sign 2.191 ± 1.460 χ^2/NDF : 41.2/31

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5846.731+/-1.313 χ^2/NDF : 1649518.0/14

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

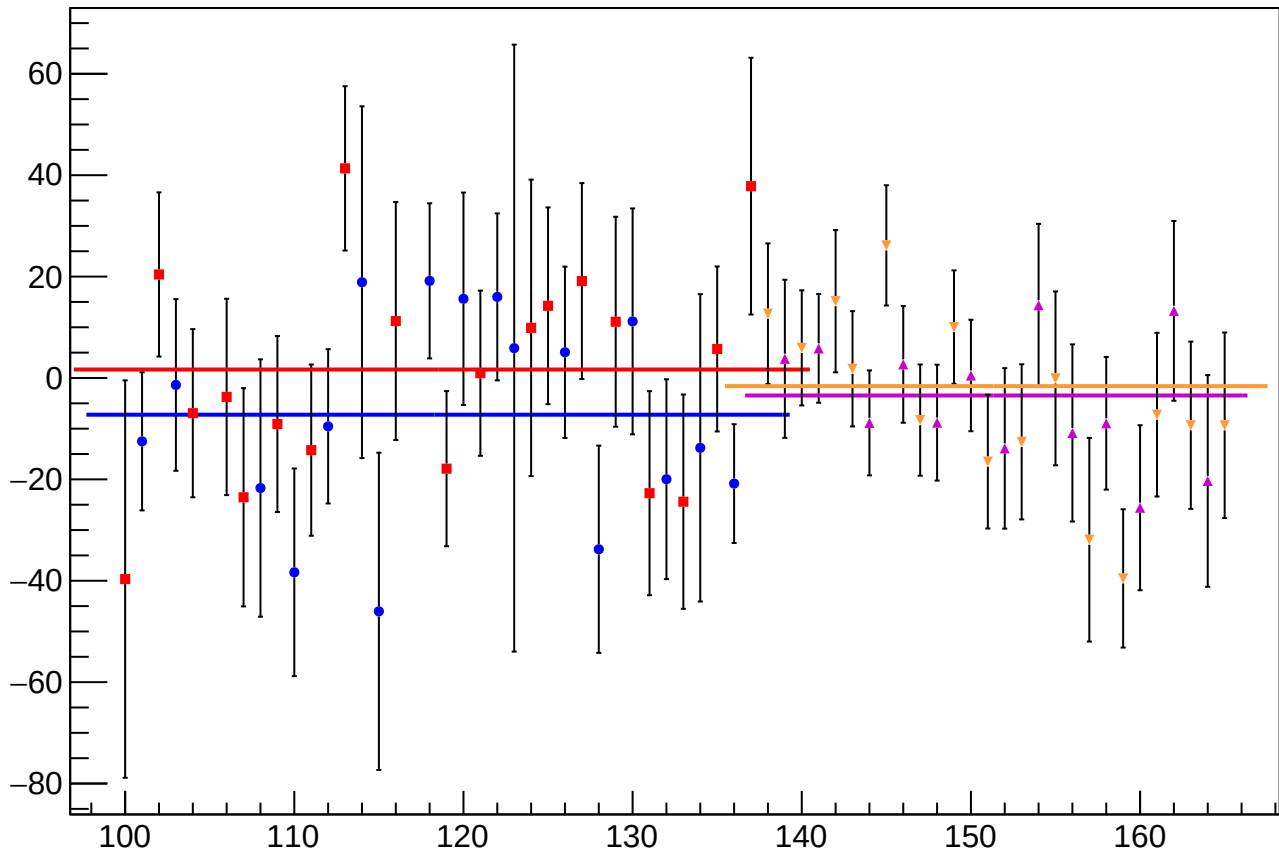
Left In: 5462.729+/-1.287 χ^2/NDF : 2113109.7/12

+ sign 6113.674+/-1.089 χ^2/NDF : 3171984.3/31

All: 5843.569+/-0.749 χ^2/NDF : 7712630.2/63

- sign 5600.907+/-1.032 χ^2/NDF : 4423835.1/31

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: -1.606 ± 3.515 χ^2/NDF : 22.3/14

Right Out: 1.671 ± 4.373 χ^2/NDF : 19.9/18

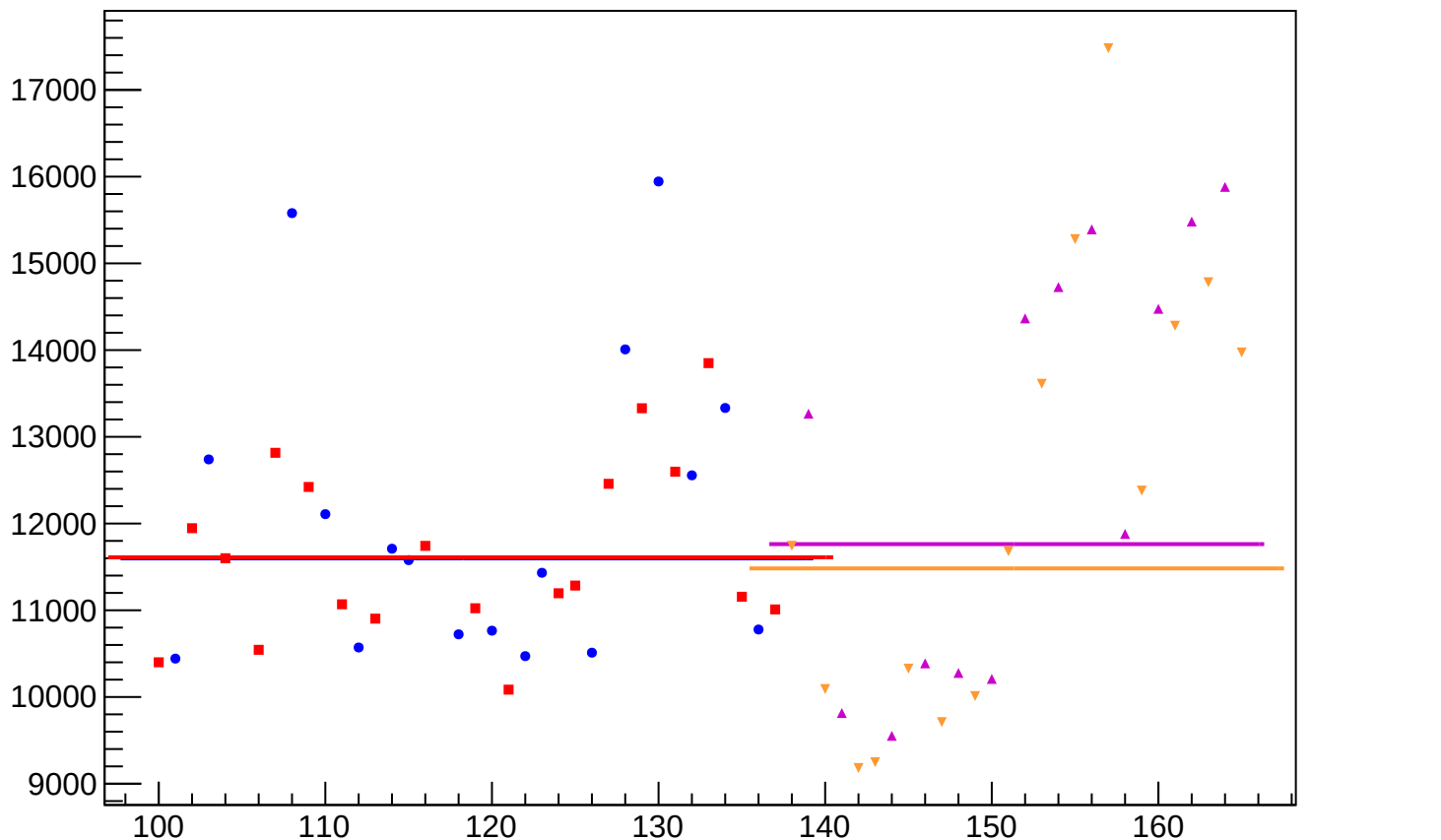
Left In: -3.452 ± 3.730 χ^2/NDF : 7.3/12

+ sign -3.715 ± 2.781 χ^2/NDF : 39.2/31

All: -2.530 ± 1.986 χ^2/NDF : 67.5/63

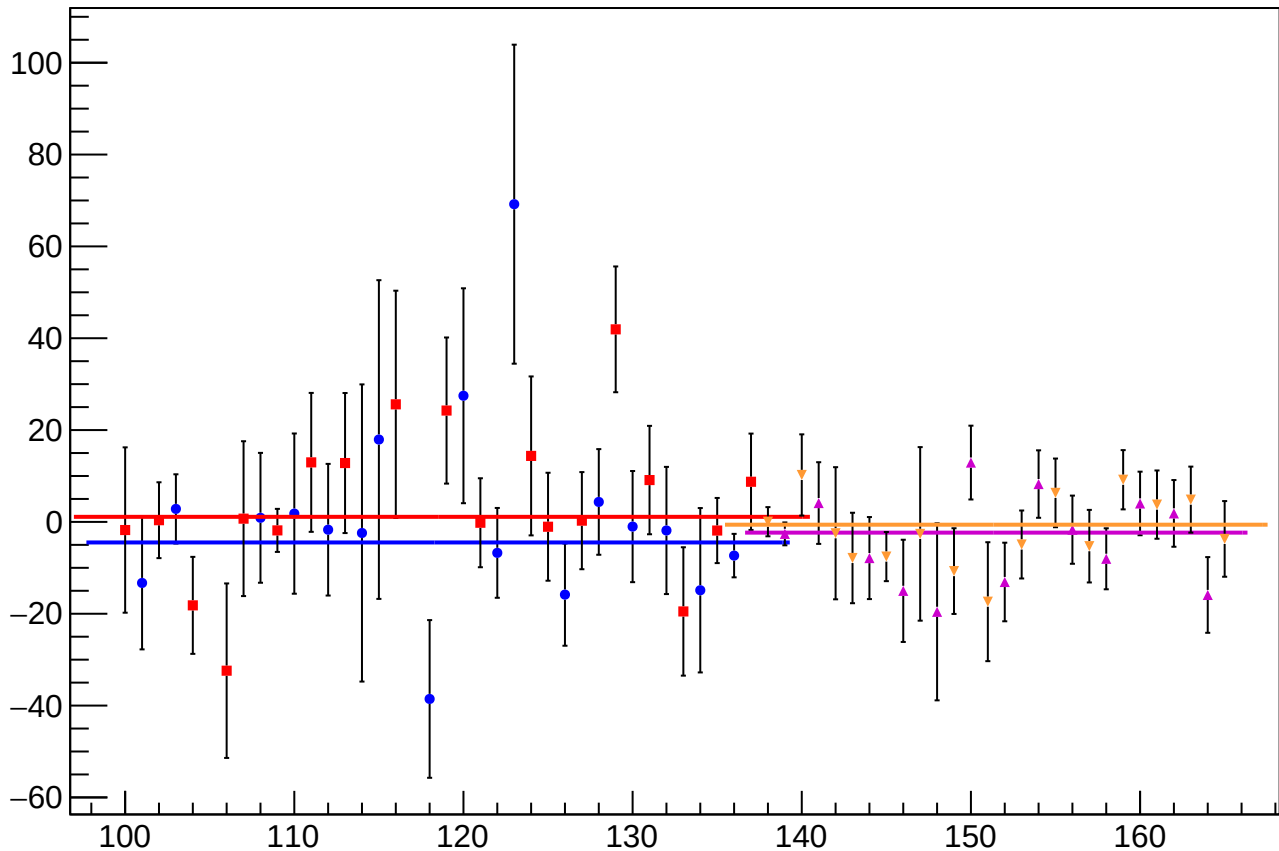
- sign -1.294 ± 2.838 χ^2/NDF : 27.9/31

diff_bpm11X_rms vs Slug



Right In: 11598.751+/-3.215	χ^2/NDF : 235423.8/16	+ sign 11526.155+/-1.966	χ^2/NDF : 1005277.5/31
Left Out: 11482.775+/-2.485	χ^2/NDF : 769039.2/14	All: 11610.768+/-1.404	χ^2/NDF : 1813268.0/6
Right Out: 11610.941+/-3.092	χ^2/NDF : 94447.0/18	- sign 11698.894+/-2.007	χ^2/NDF : 804210.4/31
Left In: 11762.887+/-2.638	χ^2/NDF : 708365.7/12		

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.608 ± 1.795 χ^2/NDF : 11.6/14

Right Out: 1.105 ± 2.429 χ^2/NDF : 24.0/18

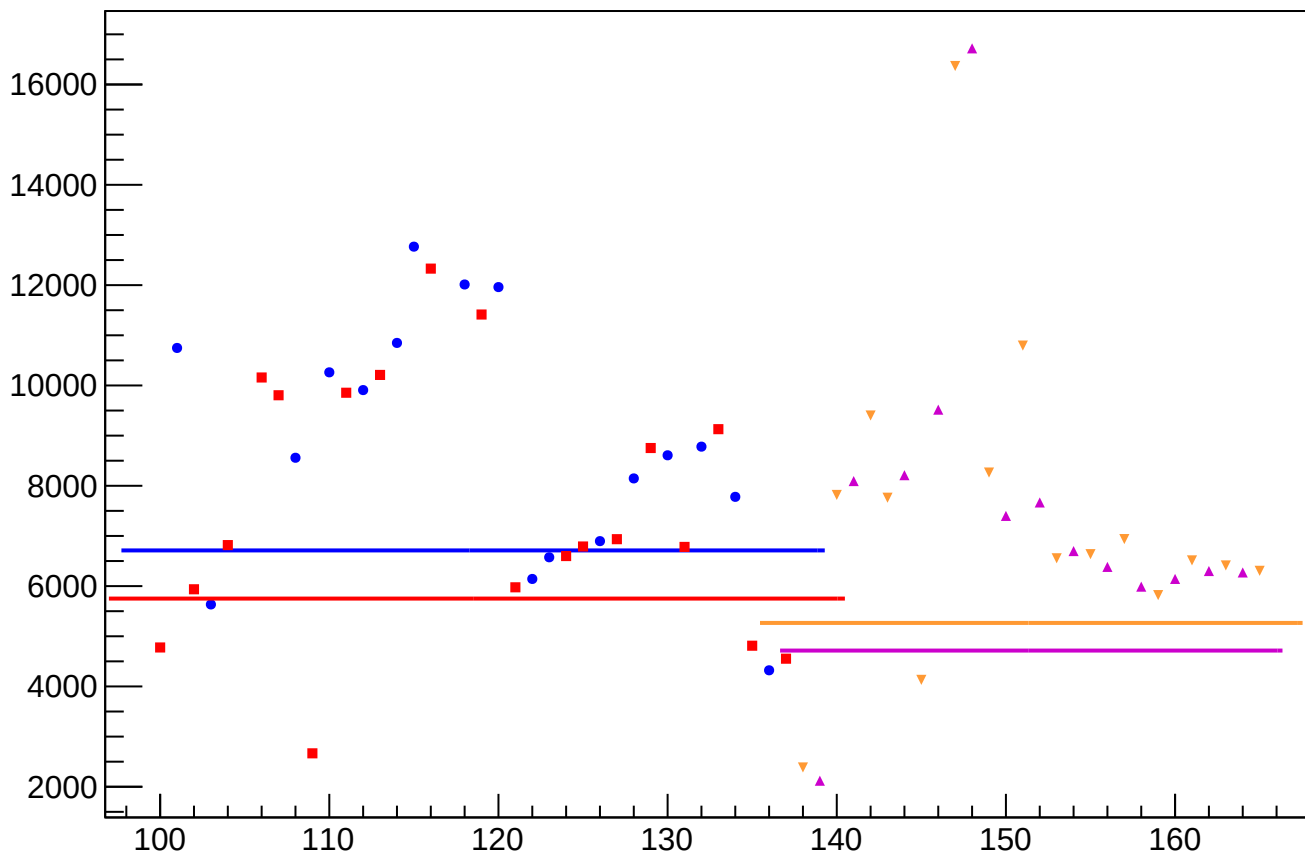
Left In: -2.336 ± 1.715 χ^2/NDF : 14.9/12

+ sign -1.745 ± 1.508 χ^2/NDF : 27.8/31

All: -1.448 ± 1.026 χ^2/NDF : 68.1/63

- sign -1.192 ± 1.401 χ^2/NDF : 40.3/31

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5266.074+/-1.269 χ^2/NDF : 3826628.1/14

Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

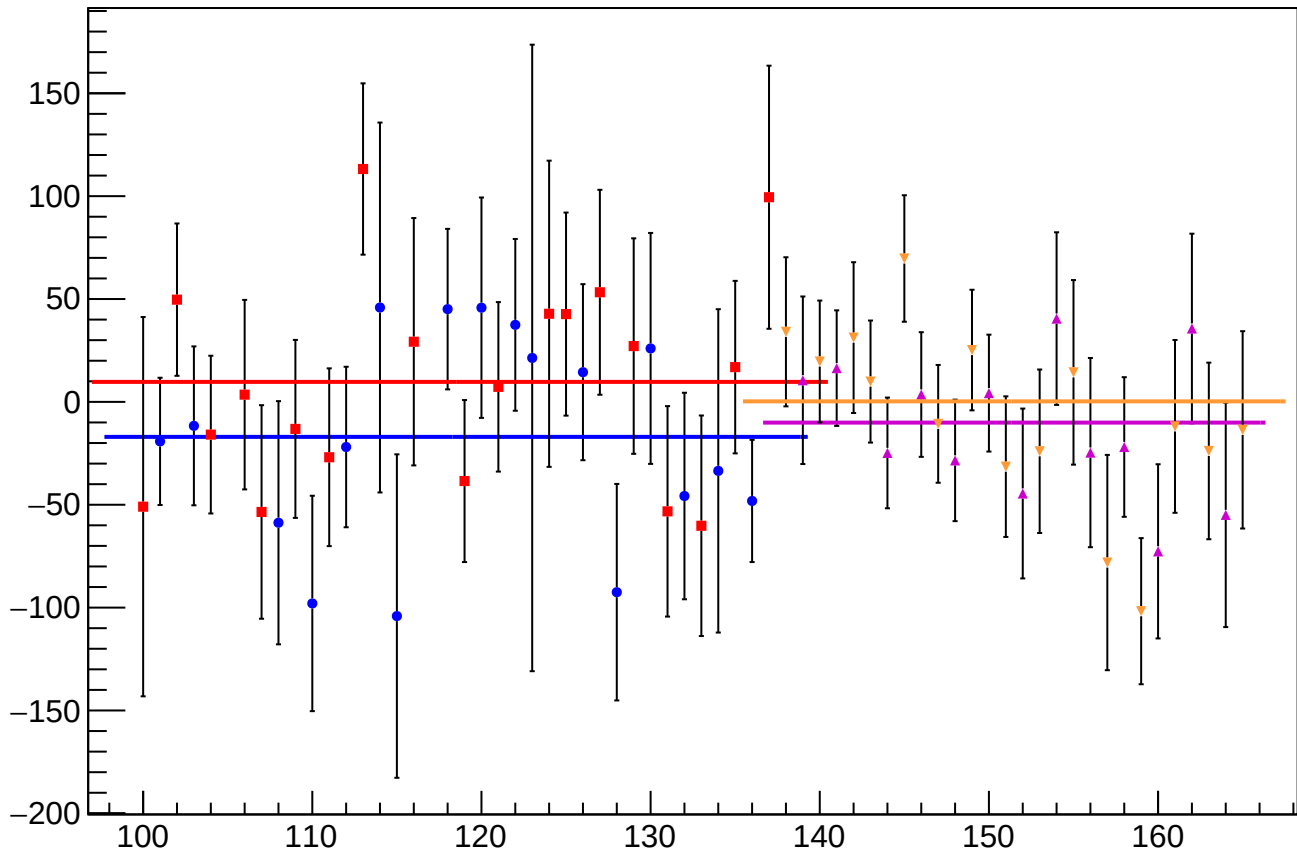
Left In: 4715.146+/-1.213 χ^2/NDF : 4945866.6/12

+ sign 5690.952+/-1.066 χ^2/NDF : 5654909.2/31

All: 5352.158+/-0.726 χ^2/NDF : 13196891.6/6

- sign 5059.849+/-0.991 χ^2/NDF : 7353966.3/31

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 0.253 ± 9.162 χ^2/NDF : 20.4/14

Right Out: 9.719 ± 10.891 χ^2/NDF : 19.1/18

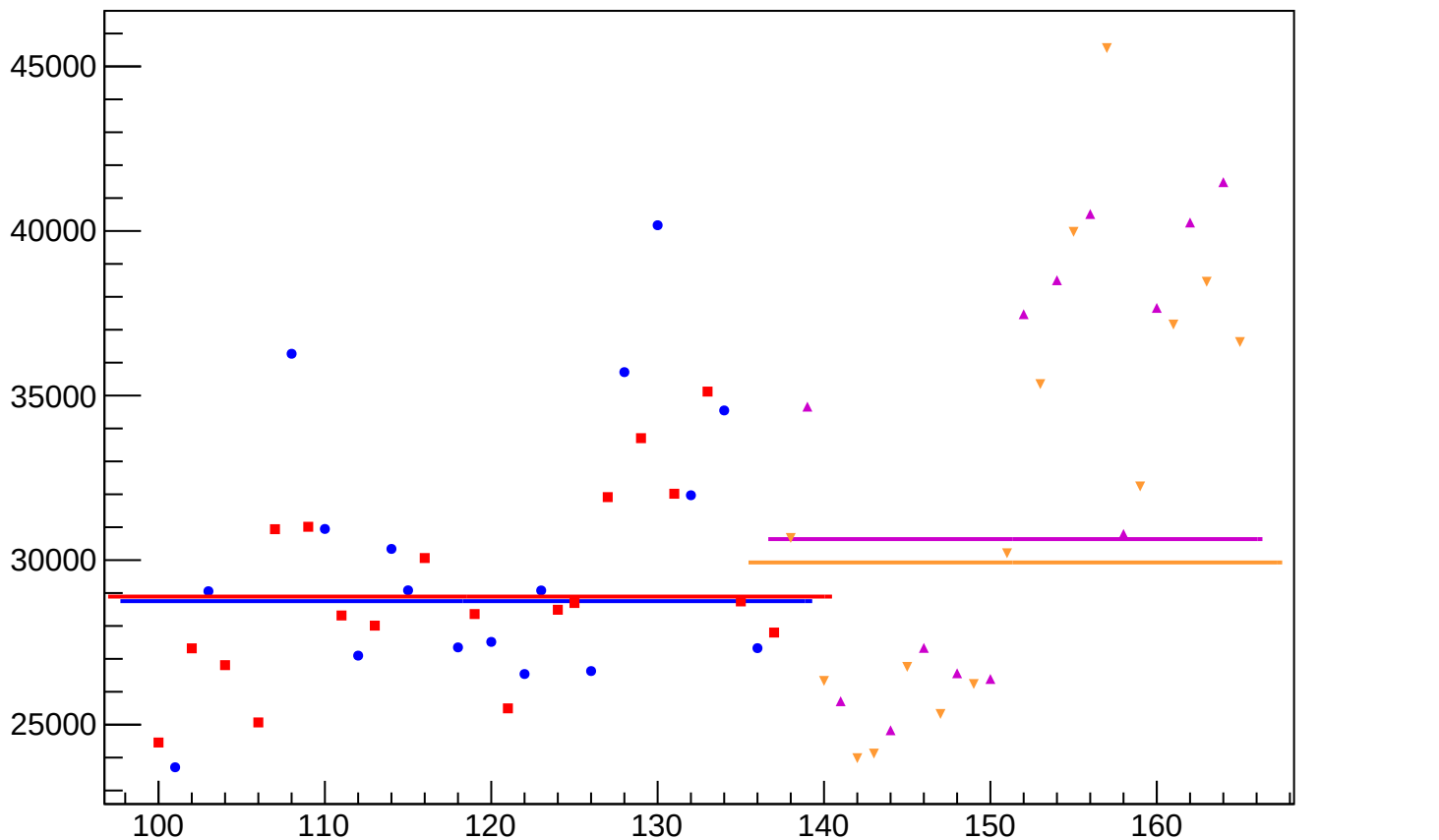
Left In: -10.072 ± 9.719 χ^2/NDF : 8.5/12

+ sign -6.603 ± 7.113 χ^2/NDF : 36.8/31

All: -4.002 ± 5.078 χ^2/NDF : 66.5/63

- sign -1.298 ± 7.251 χ^2/NDF : 29.4/31

diff_bpm12X_rms vs Slug



Right In: 28753.787 $\pm$ 7.981 χ^2 /NDF: 249215.1/16

Left Out: 29928.834 $\pm$ 6.478 χ^2 /NDF: 766167.1/14

Right Out: 28892.154 $\pm$ 7.701 χ^2 /NDF: 111241.2/18

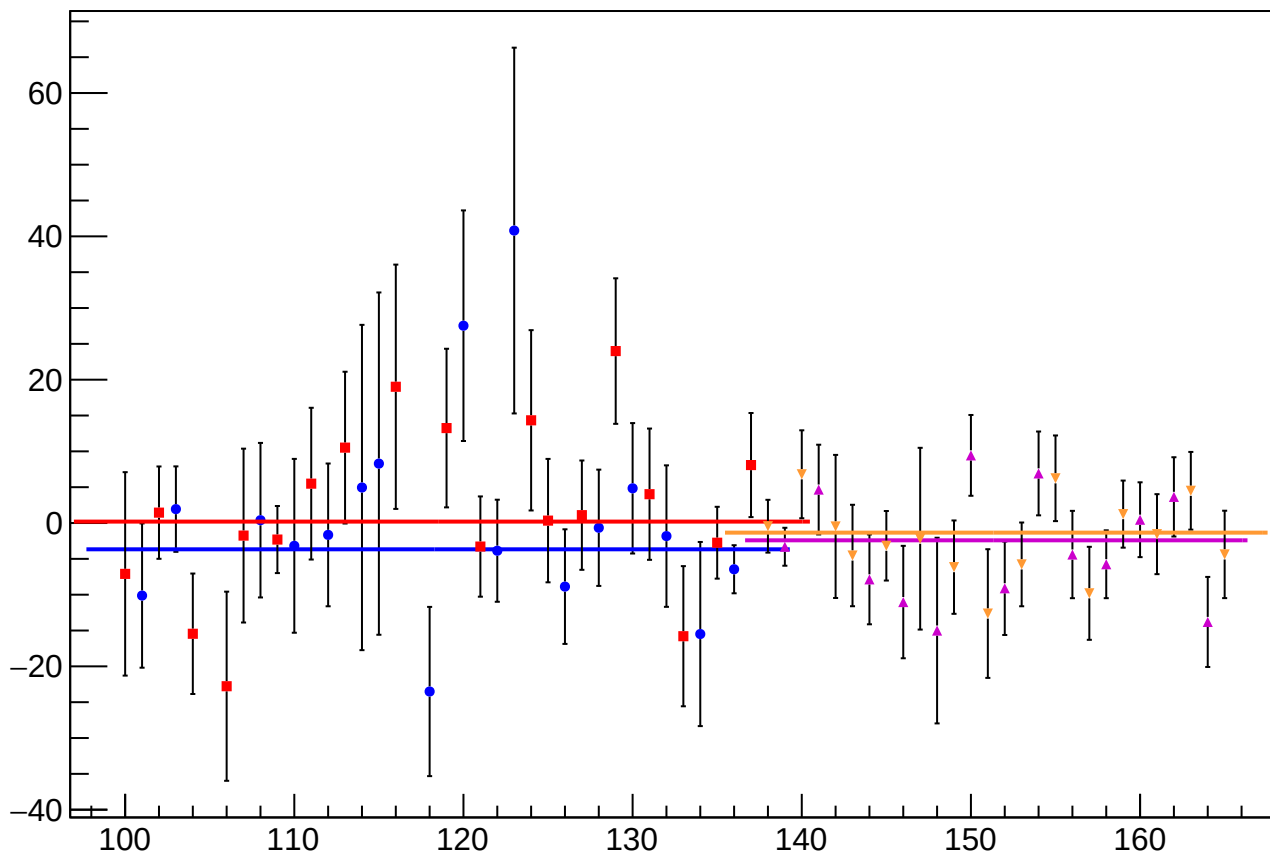
Left In: 30638.806 $\pm$ 6.872 χ^2 /NDF: 719496.6/12

+ sign 29462.141 $\pm$ 5.030 χ^2 /NDF: 1028449.1/31

All: 29659.458 $\pm$ 3.591 χ^2 /NDF: 1890963.2/6

- sign 29864.500 $\pm$ 5.127 χ^2 /NDF: 859375.9/31

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.341 ± 1.517 χ^2/NDF : 9.9/14

Right Out: 0.199 ± 1.893 χ^2/NDF : 22.3/18

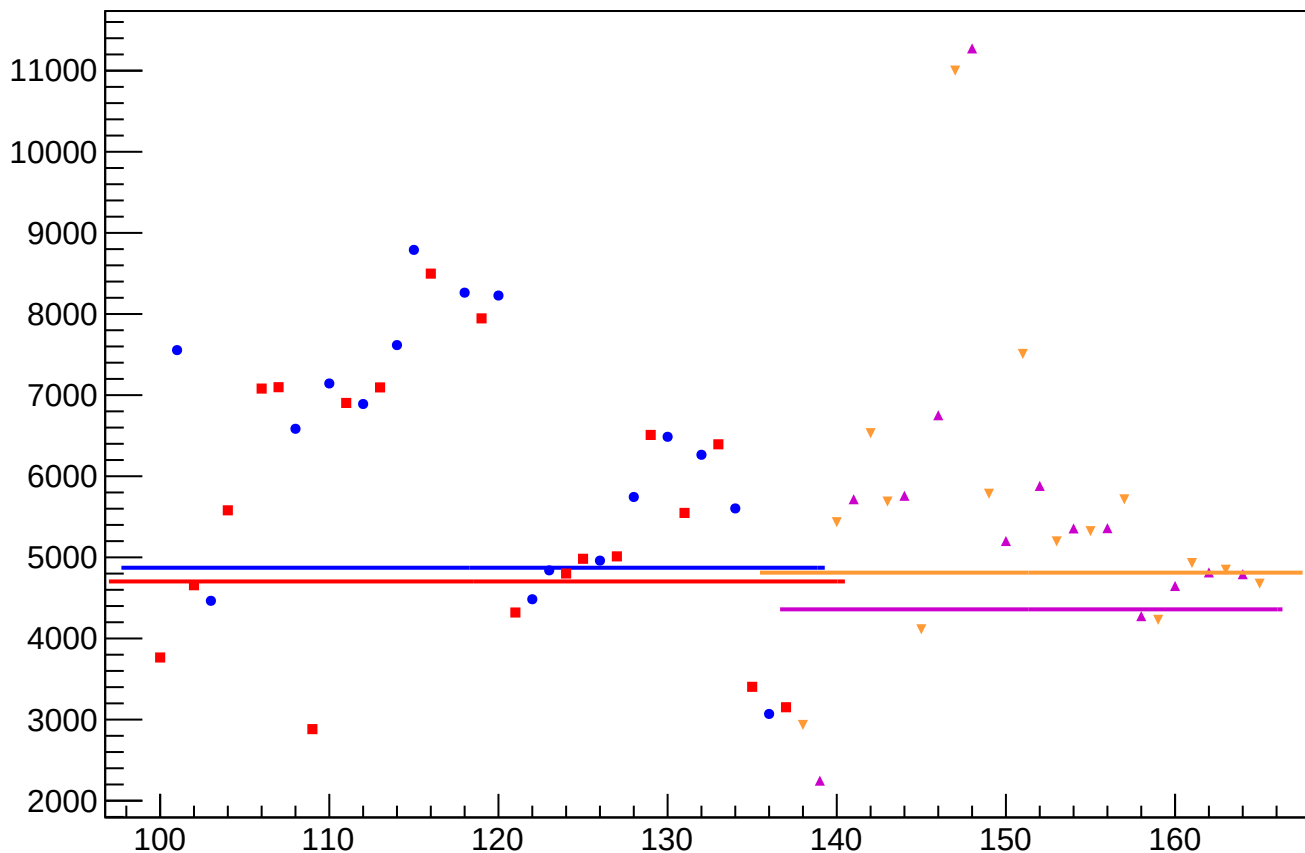
Left In: -2.414 ± 1.464 χ^2/NDF : 17.7/12

+ sign -2.186 ± 1.211 χ^2/NDF : 25.3/31

All: -1.794 ± 0.837 χ^2/NDF : 66.7/63

- sign -1.435 ± 1.158 χ^2/NDF : 41.2/31

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4811.566+/-1.073 χ^2/NDF : 1467753.7/14

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

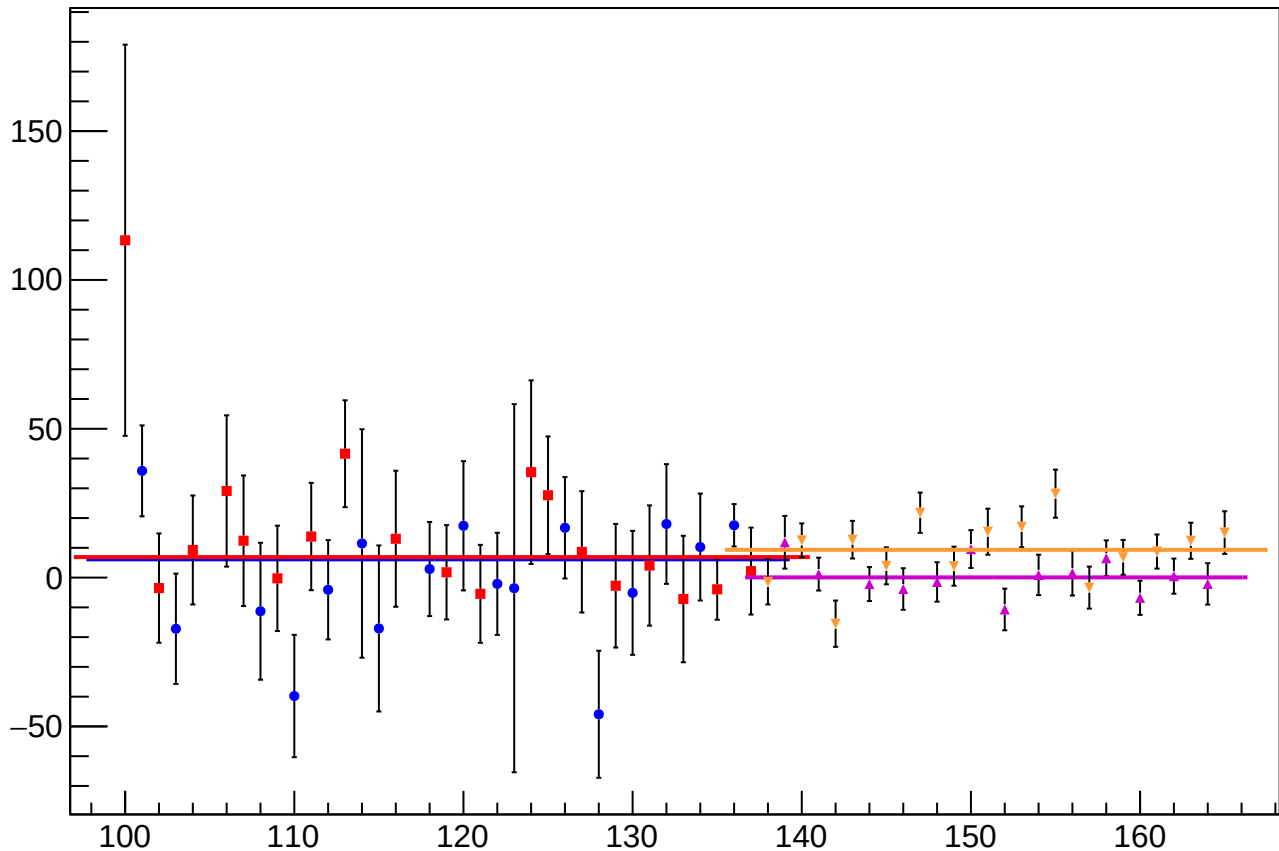
Left In: 4359.081+/-1.035 χ^2/NDF : 2519387.9/12

+ sign 4833.536+/-0.856 χ^2/NDF : 2874163.0/31

All: 4653.015+/-0.592 χ^2/NDF : 6832726.8/63

- sign 4487.845+/-0.819 χ^2/NDF : 3873419.7/31

diff_bpm16X_mean vs Slug



Right In: 6.133 $\pm$ 4.080 χ^2 /NDF: 22.2/16

Left Out: 9.320 $\pm$ 1.715 χ^2 /NDF: 29.3/14

Right Out: 6.892 $\pm$ 4.224 χ^2 /NDF: 12.5/18

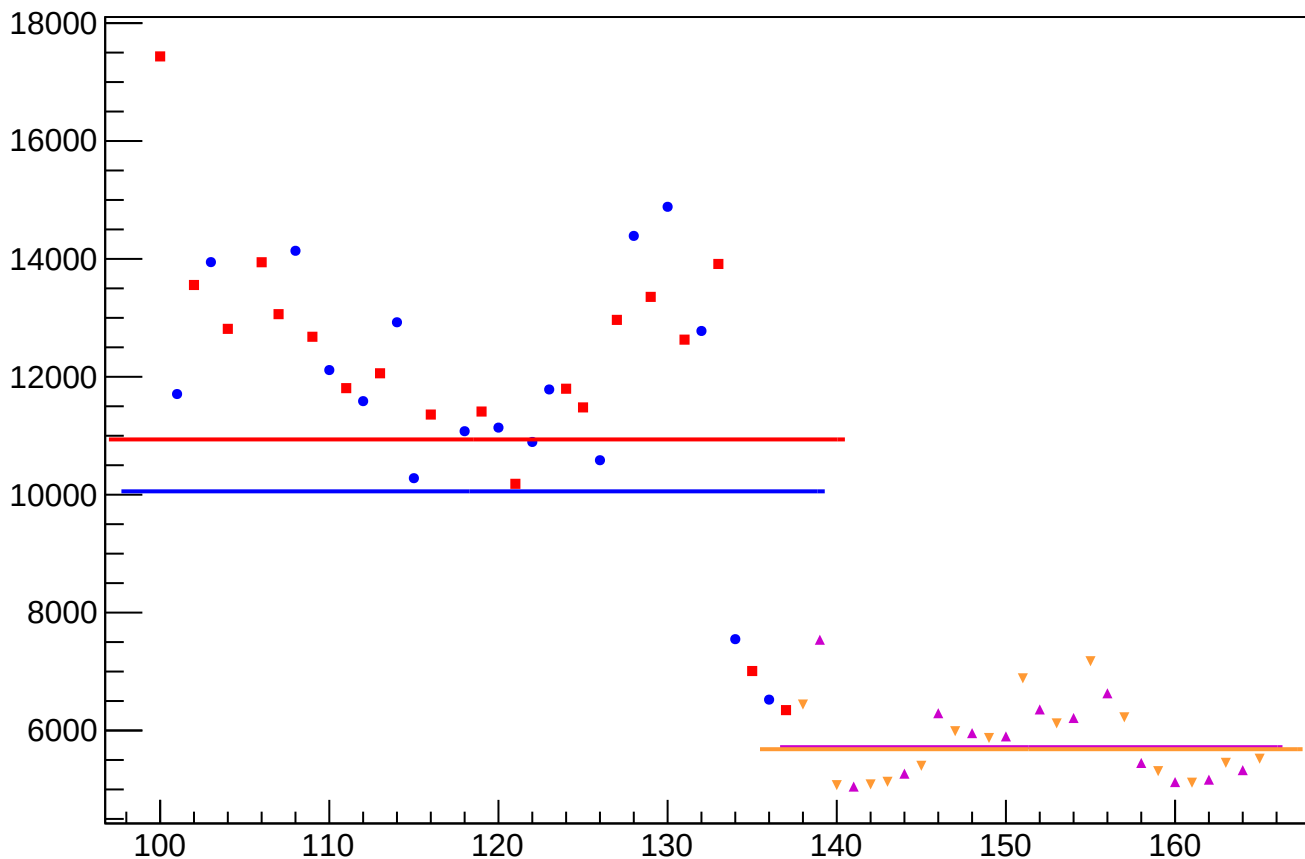
Left In: 0.067 $\pm$ 1.791 χ^2 /NDF: 9.7/12

+ sign 8.842 $\pm$ 1.581 χ^2 /NDF: 52.0/31

All: 5.138 $\pm$ 1.141 χ^2 /NDF: 87.8/63

- sign 1.107 $\pm$ 1.649 χ^2 /NDF: 24.3/31

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5682.659 $\pm$ 1.213 χ^2 /NDF:247774.4/14

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

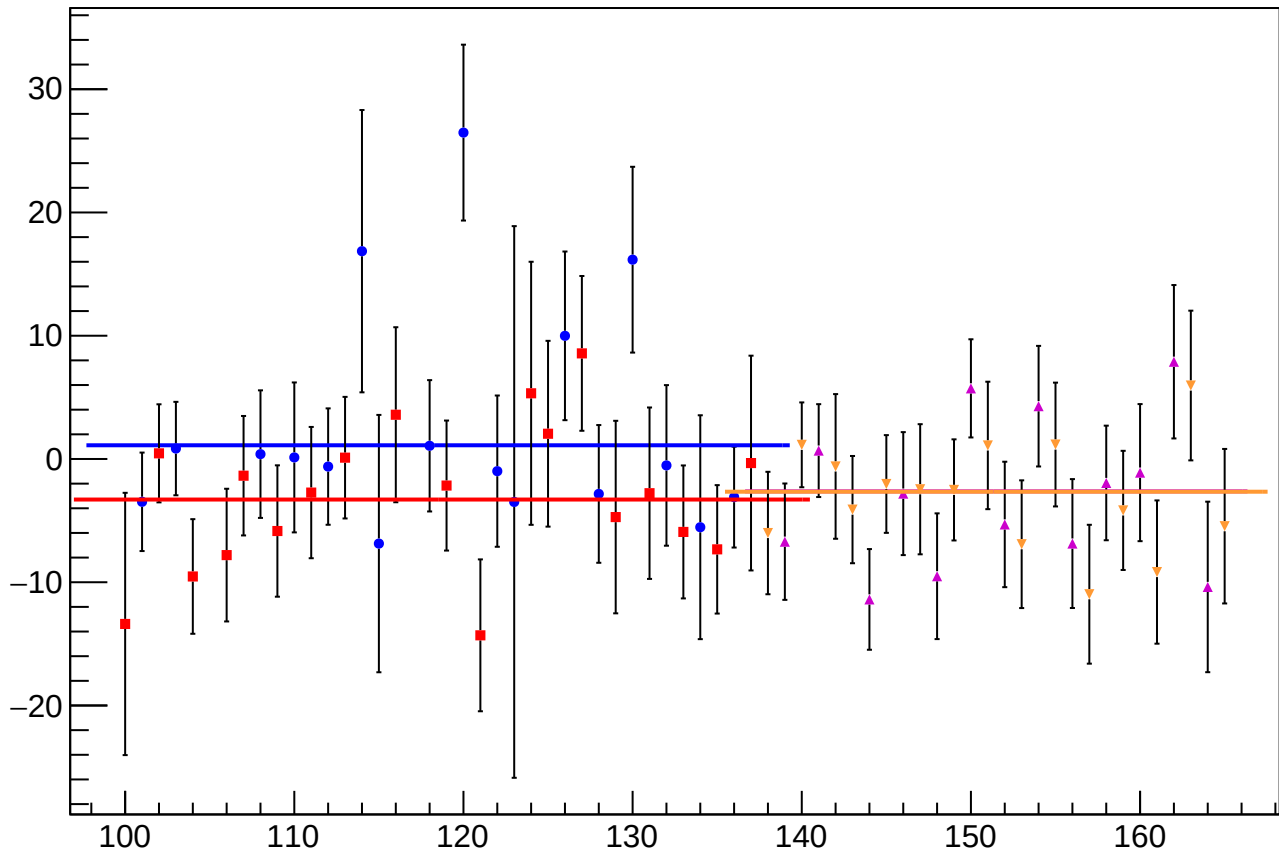
Left In: 5717.318 $\pm$ 1.267 χ^2 /NDF:250192.3/12

+ sign 6339.270 $\pm$ 1.118 χ^2 /NDF: 3204339.0/31

All: 6422.444 $\pm$ 0.807 χ^2 /NDF: 6817603.2/63

- sign 6512.974 $\pm$ 1.166 χ^2 /NDF: 3601701.3/31

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.656 ± 1.253 χ^2/NDF : 9.5/14

Right Out: -3.290 ± 1.334 χ^2/NDF : 15.1/18

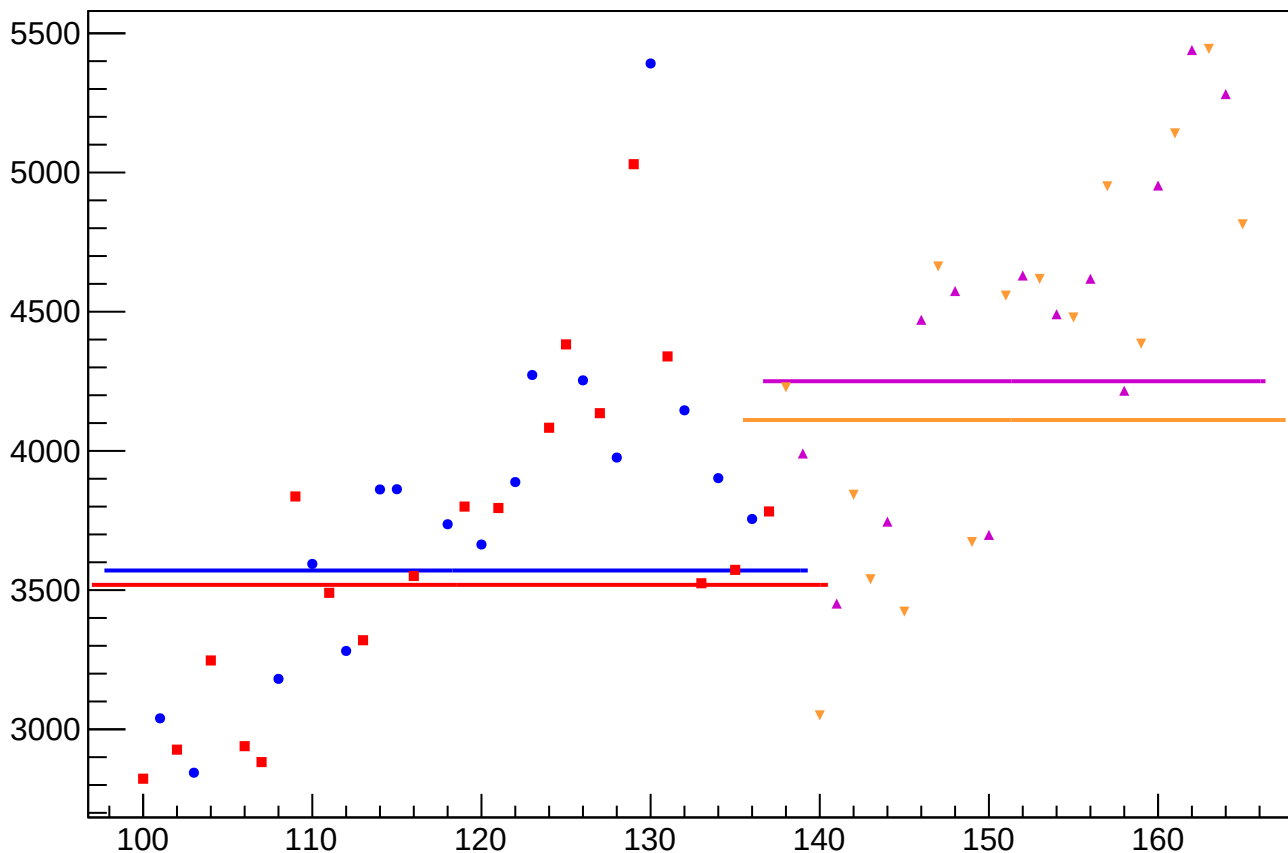
Left In: -2.627 ± 1.337 χ^2/NDF : 19.5/12

+ sign -0.983 ± 0.935 χ^2/NDF : 38.1/31

All: -1.961 ± 0.664 χ^2/NDF : 75.0/63

- sign -2.960 ± 0.944 χ^2/NDF : 34.7/31

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4111.004+/-0.886 χ^2/NDF : 614849.2/14

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

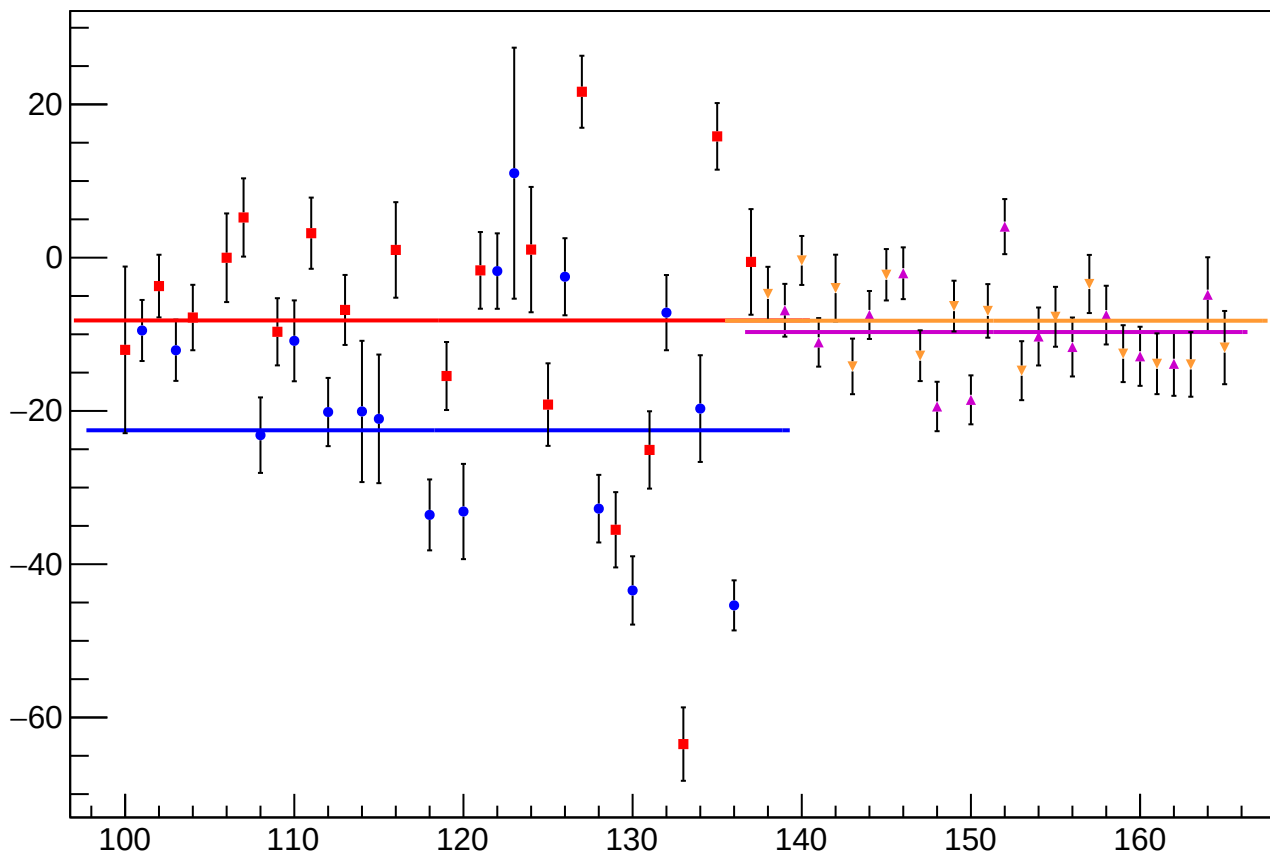
Left In: 4250.318+/-0.946 χ^2/NDF : 352334.7/12

+ sign 3871.064+/-0.661 χ^2/NDF : 1089668.5/31

All: 3877.275+/-0.470 χ^2/NDF : 2035571.4/63

- sign 3883.614+/-0.668 χ^2/NDF : 945724.4/31

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -8.229 ± 0.954 χ^2/NDF : 26.5/14

Right Out: -8.192 ± 1.157 χ^2/NDF : 275.8/18

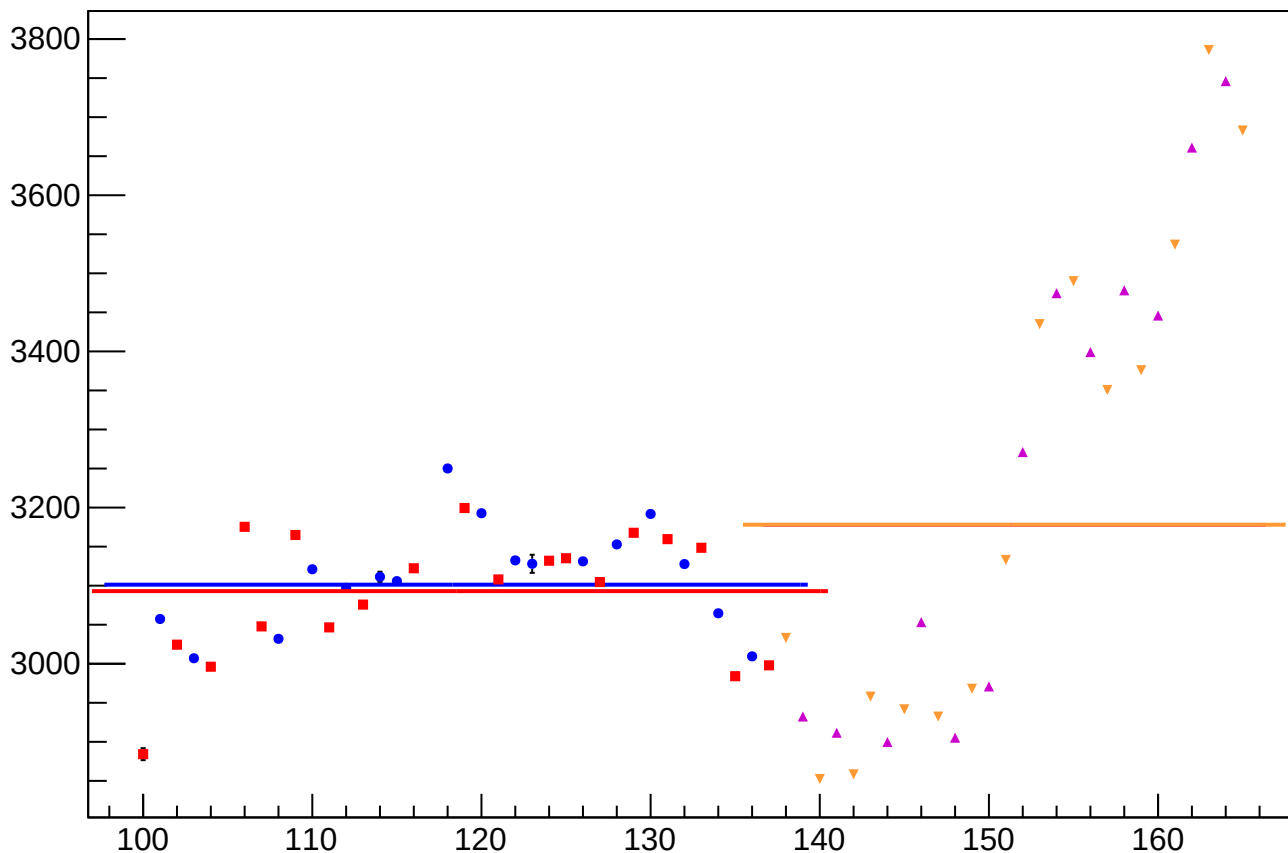
Left In: -9.705 ± 0.992 χ^2/NDF : 41.2/12

+ sign -13.763 ± 0.747 χ^2/NDF : 268.9/31

All: -11.432 ± 0.530 χ^2/NDF : 606.5/63

- sign -9.064 ± 0.753 χ^2/NDF : 318.0/31

diff_bpm0l01X_rms vs Slug



Right In: 3101.270 $\pm$ 0.849 χ^2 /NDF: 7233.8/16

Left Out: 3178.026 $\pm$ 0.675 χ^2 /NDF: 183393.8/14

Right Out: 3092.993 $\pm$ 0.818 χ^2 /NDF: 7766.0/18

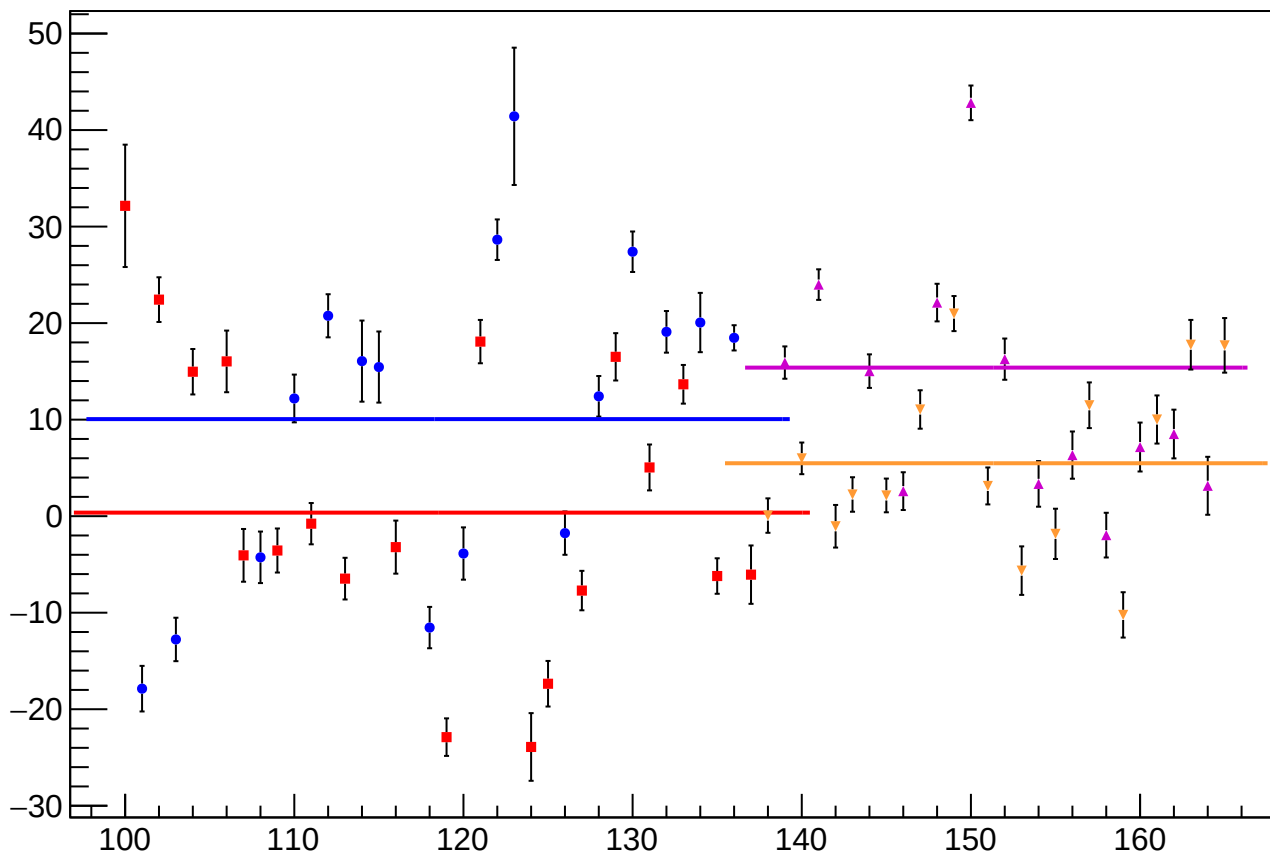
Left In: 3177.748 $\pm$ 0.701 χ^2 /NDF: 161439.0/12

+ sign 3148.314 $\pm$ 0.528 χ^2 /NDF: 195638.2/31

All: 3145.111 $\pm$ 0.375 χ^2 /NDF: 371106.0/63

- sign 3141.857 $\pm$ 0.532 χ^2 /NDF: 175393.7/31

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 5.483 $\pm$ 0.537 χ^2 /NDF: 230.6/14

Right Out: 0.367 $\pm$ 0.547 χ^2 /NDF: 629.8/18

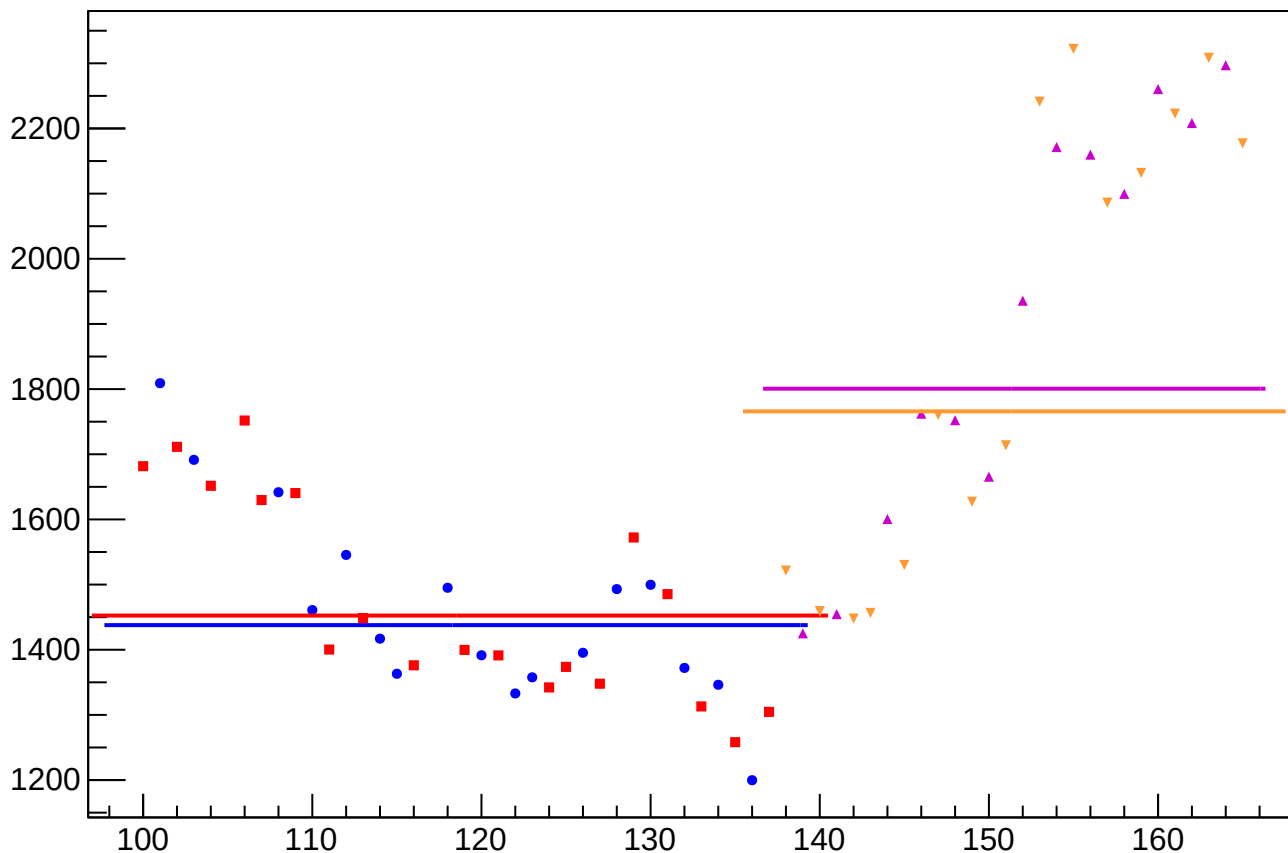
Left In: 15.390 $\pm$ 0.568 χ^2 /NDF: 448.4/12

+ sign 7.668 $\pm$ 0.388 χ^2 /NDF: 957.5/31

All: 7.630 $\pm$ 0.277 χ^2 /NDF: 2398.4/63

- sign 7.592 $\pm$ 0.394 χ^2 /NDF: 1441.0/31

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1765.832 $\pm$ 0.380 χ^2 /NDF: 705099.1/14

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

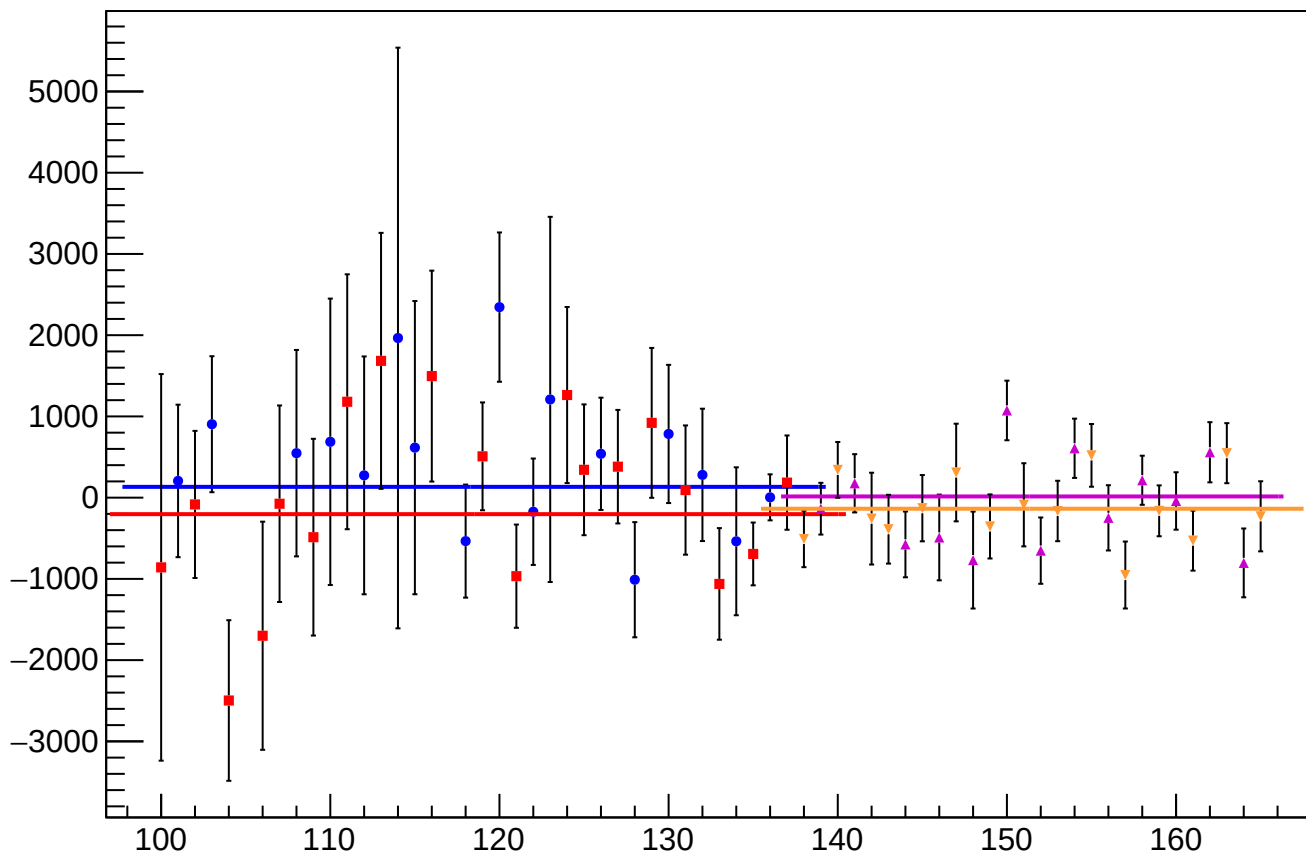
Left In: 1800.629 $\pm$ 0.402 χ^2 /NDF: 542078.7/12

+ sign 1609.068 $\pm$ 0.275 χ^2 /NDF: 1234593.4/31

All: 1614.409 $\pm$ 0.196 χ^2 /NDF: 2305683.3/63

- sign 1619.912 $\pm$ 0.279 χ^2 /NDF: 1070321.6/31

asym_sam1_mean vs Slug



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -136.331 $\pm$ 102.816 χ^2 /NDF:15.8/14

Right Out: -203.062 $\pm$ 184.353 χ^2 /NDF: 21.4/18

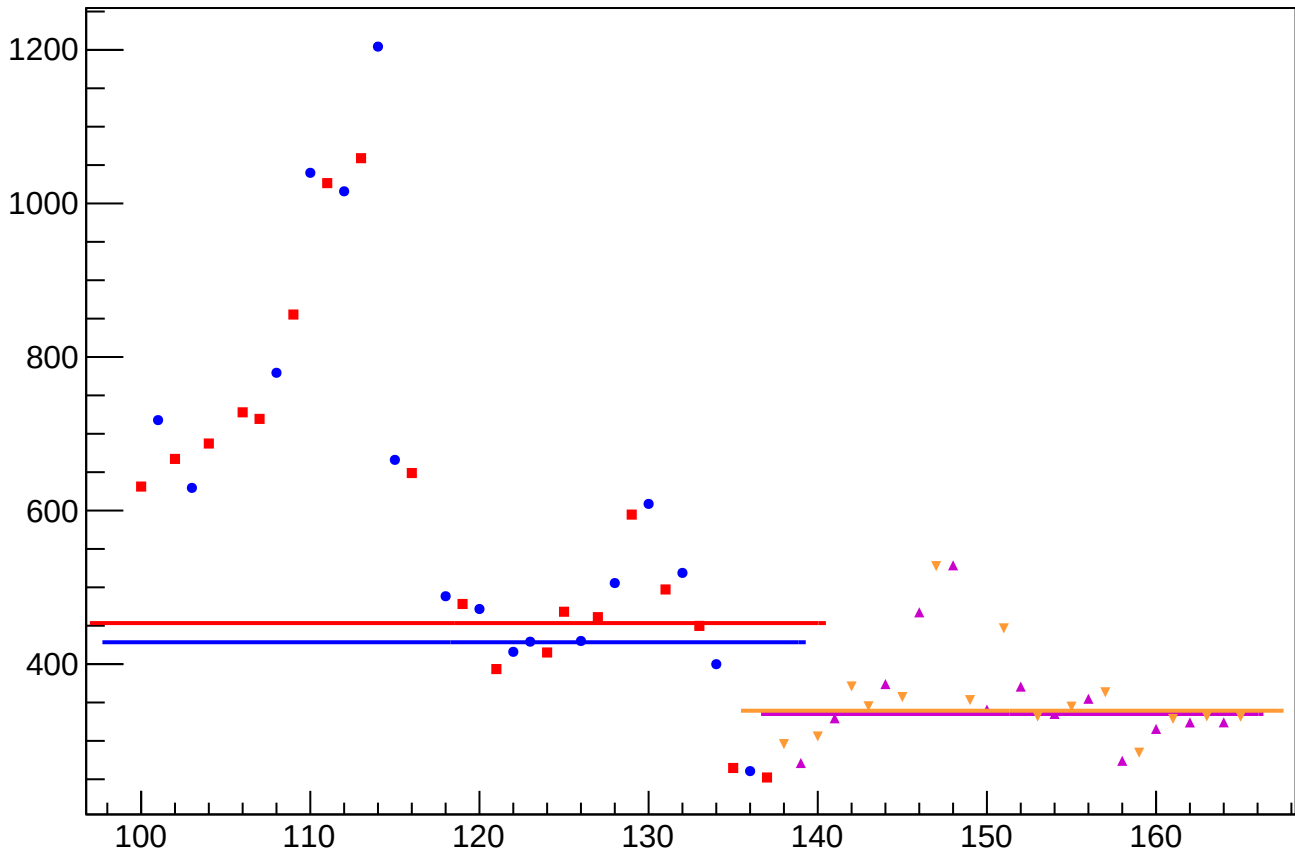
Left In: 14.761 $\pm$ 105.937 χ^2 /NDF:25.6/12

+ sign -70.243 $\pm$ 89.311 χ^2 /NDF: 30.4/31

All: -55.211 $\pm$ 64.032 χ^2 /NDF: 78.5/63

- sign -39.312 $\pm$ 91.852 χ^2 /NDF: 48.1/31

asym_sam1_rms vs Slug



Right In: 428.460 ± 0.127 χ^2/NDF : 2011453.8/16

Left Out: 339.295 ± 0.073 χ^2/NDF : 419801.6/14

Right Out: 453.435 ± 0.130 χ^2/NDF : 2029813.8/18

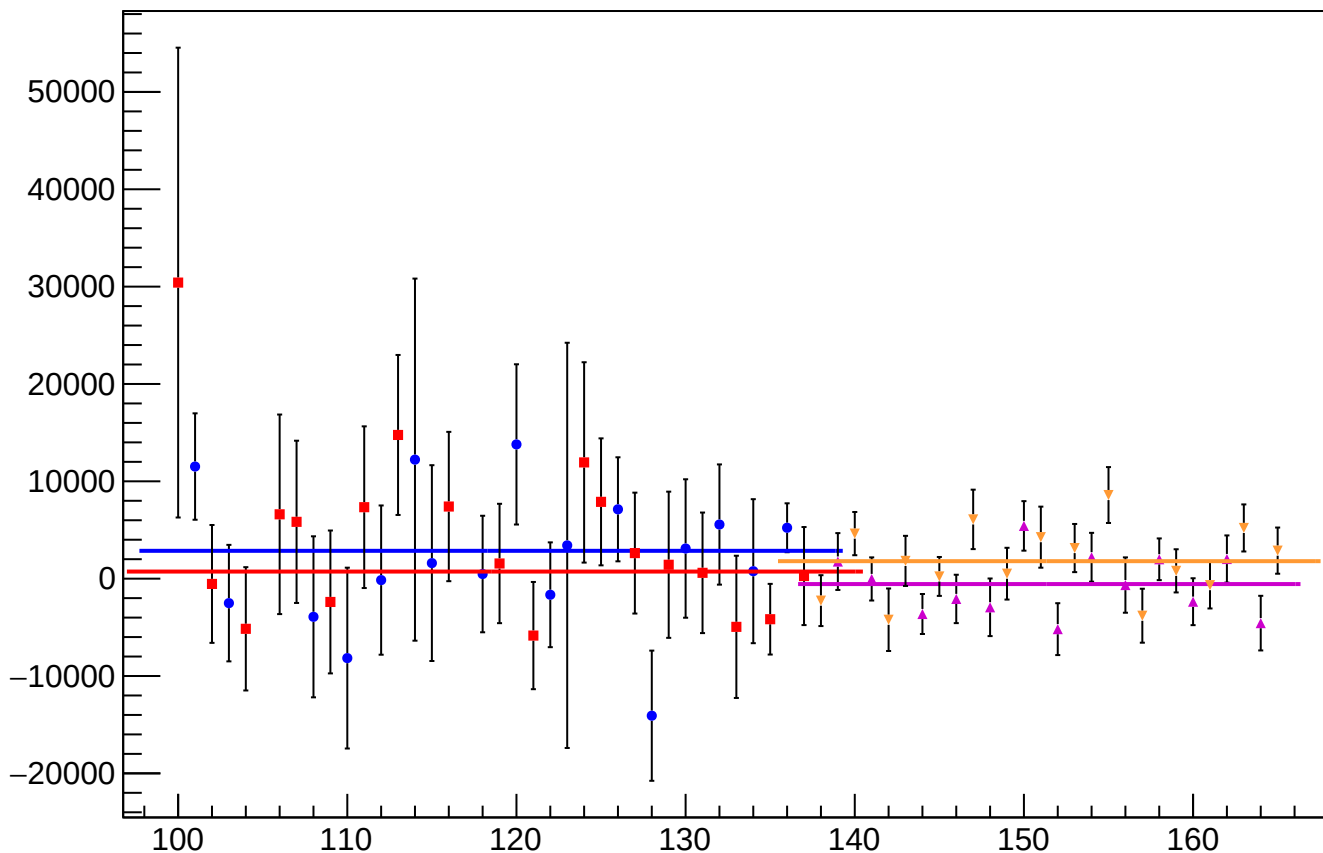
Left In: 335.031 ± 0.075 χ^2/NDF : 547225.3/12

+ sign 361.181 ± 0.063 χ^2/NDF : 2800450.3/31

All: 362.757 ± 0.045 χ^2/NDF : 5998980.3/63

- sign 364.424 ± 0.065 χ^2/NDF : 3197248.0/31

asym_sam2_mean vs Slug



Right In: 2859.622 ± 1447.884 χ^2/NDF : 16.7/16

Left Out: 1796.437 ± 653.824 χ^2/NDF : 24.4/14

Right Out: 729.571 ± 1509.224 χ^2/NDF : 14.0/18

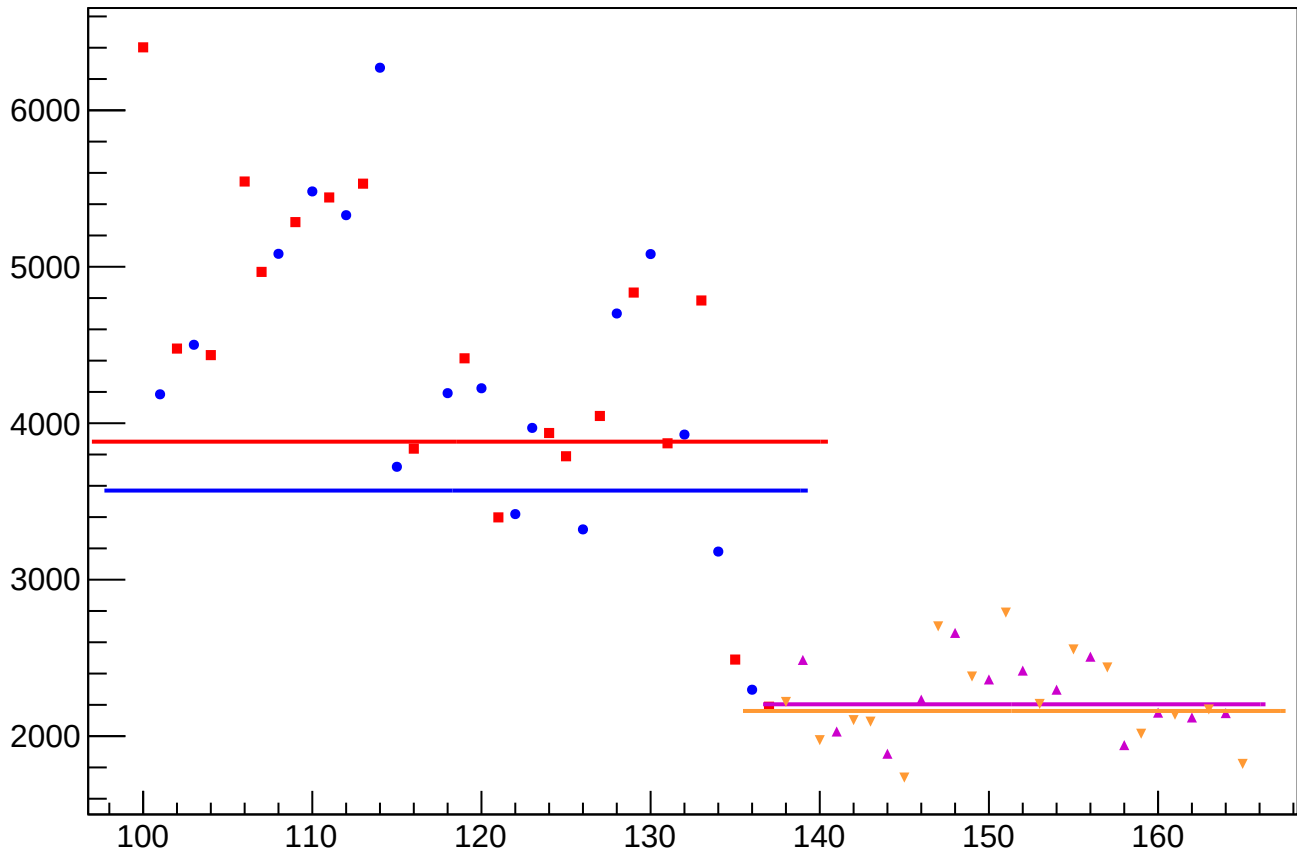
Left In: -555.249 ± 690.002 χ^2/NDF : 18.9/12

+ sign 1976.517 ± 595.885 χ^2/NDF : 41.5/31

All: 881.396 ± 432.108 χ^2/NDF : 82.1/63

- sign -333.122 ± 627.528 χ^2/NDF : 33.4/31

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2160.931+/-0.462 χ^2/NDF : 372641.2/14

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

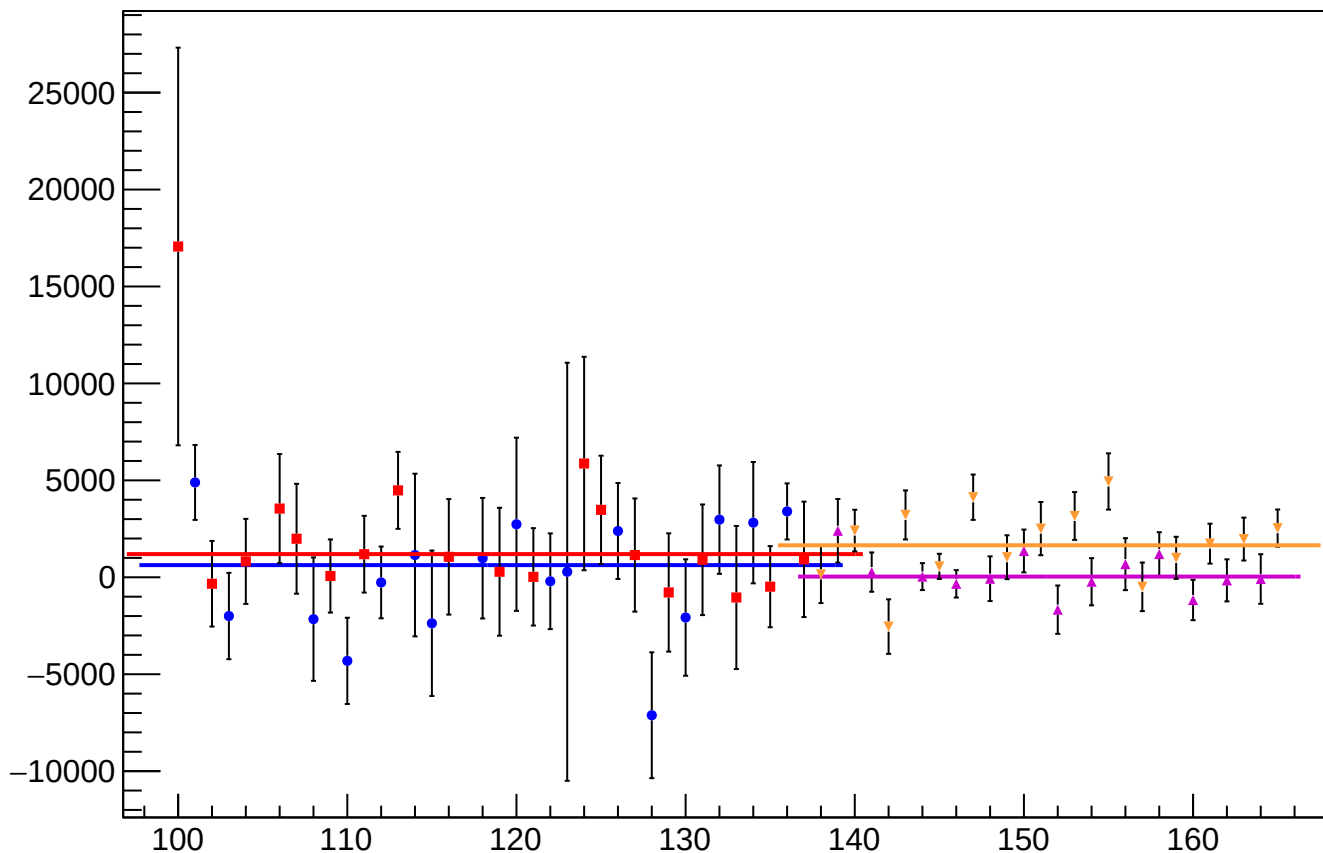
Left In: 2203.542+/-0.488 χ^2/NDF : 206770.3/12

+ sign 2399.534+/-0.421 χ^2/NDF : 3033121.4/31

All: 2444.208+/-0.306 χ^2/NDF : 6293114.7/63

- sign 2493.752+/-0.444 χ^2/NDF : 3236285.5/31

asym_sam3_mean vs Slug



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1650.664+/-284.781 χ^2/NDF : 30.8/14

Right Out: 1195.385+/-603.058 χ^2/NDF : 9.9/18

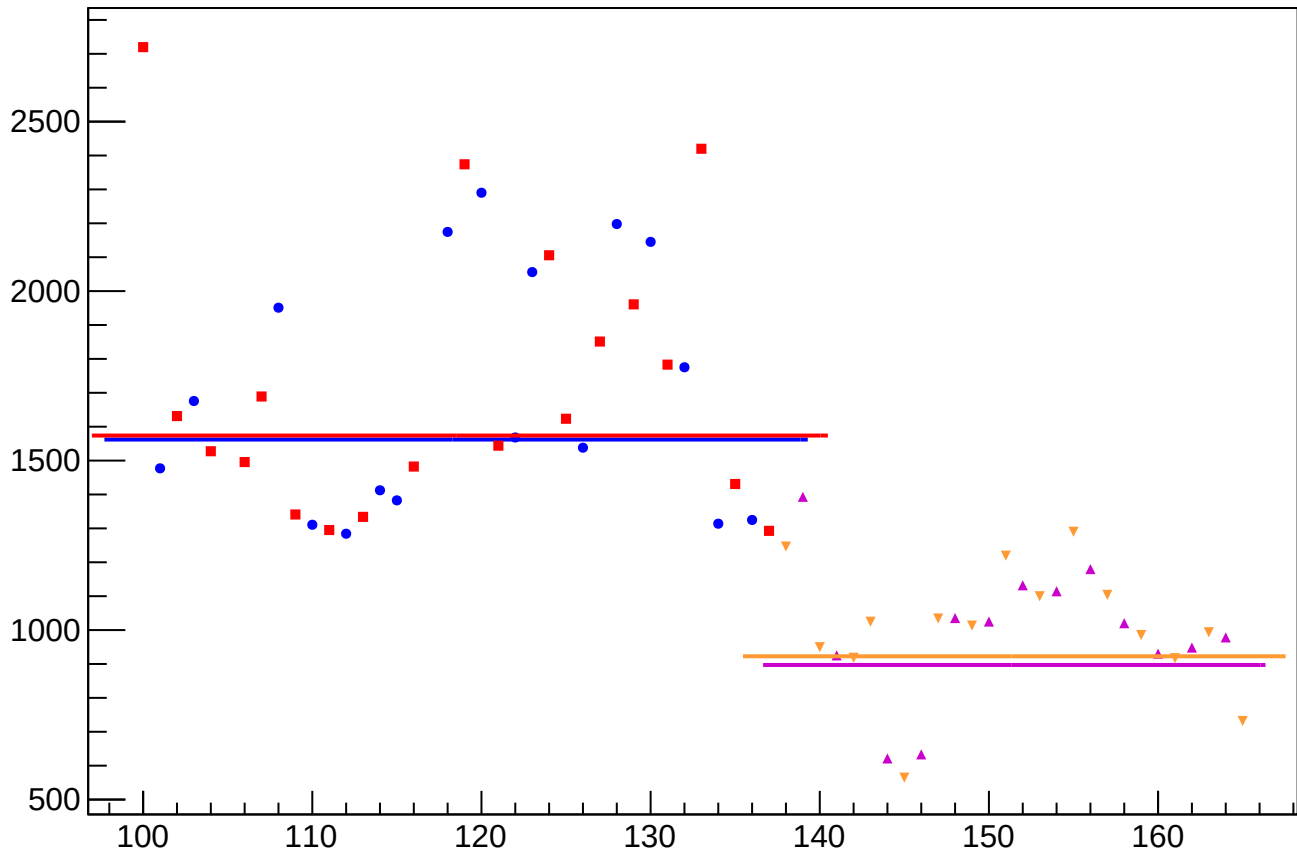
Left In: 36.471+/-288.308 χ^2/NDF : 8.5/12

+ sign 1472.874+/-258.855 χ^2/NDF : 58.1/31

All: 865.429+/-183.480 χ^2/NDF : 90.6/63

- sign 252.072+/-260.111 χ^2/NDF : 21.4/31

asym_sam3_rms vs Slug



Right In: 1562.101+/-0.439 χ^2/NDF : 482088.3/16

Left Out: 922.706+/-0.201 χ^2/NDF : 1146499.4/14

Right Out: 1573.906+/-0.426 χ^2/NDF : 463991.4/18

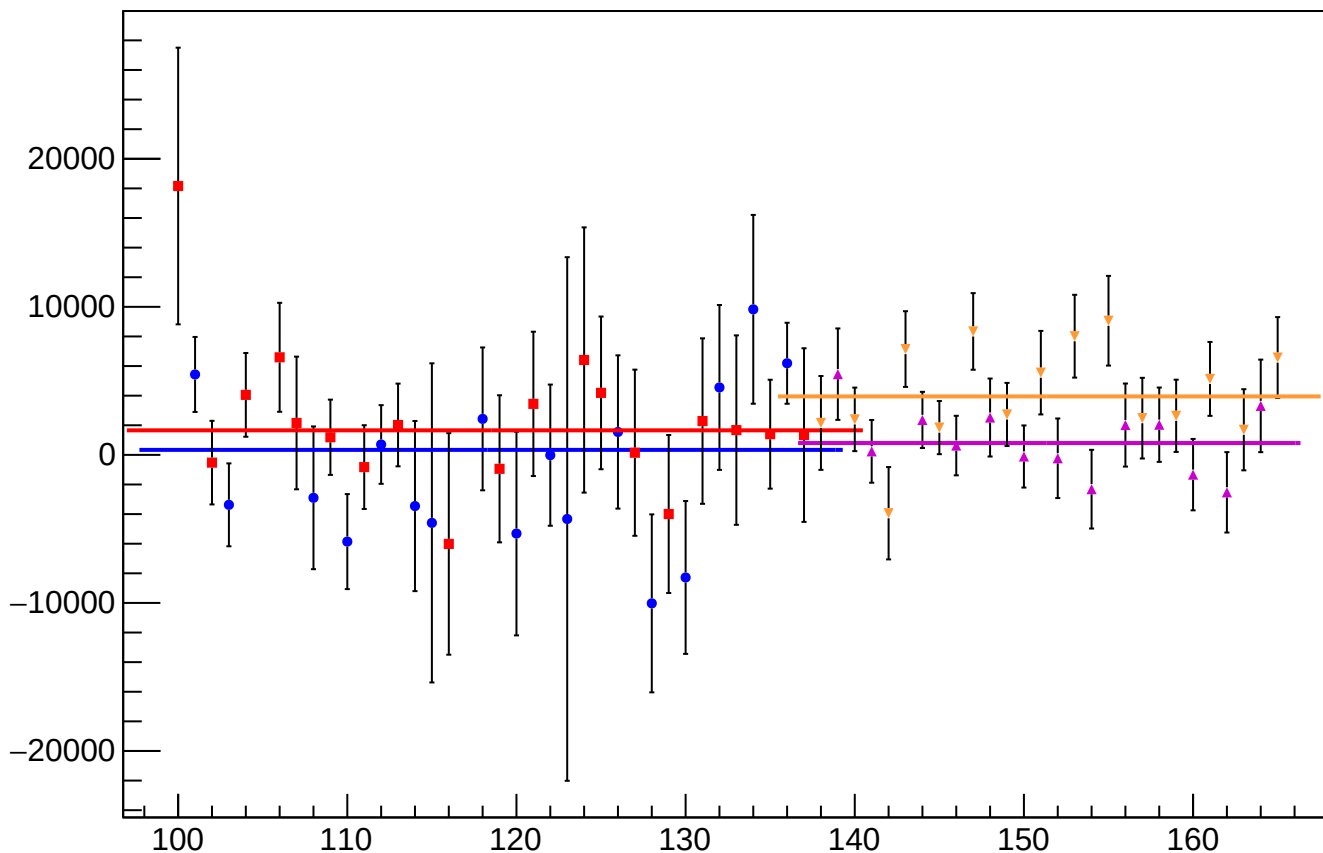
Left In: 897.048+/-0.204 χ^2/NDF : 1095578.8/12

+ sign 1033.827+/-0.183 χ^2/NDF : 3380753.5/31

All: 1028.424+/-0.130 χ^2/NDF : 6992822.1/63

- sign 1022.969+/-0.184 χ^2/NDF : 3610317.7/31

asym_sam4_mean vs Slug



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 3948.867 $\pm$ 653.075 χ^2 /NDF:21.1/14

Right Out: 1658.069 $\pm$ 924.453 χ^2 /NDF: 10.3/18

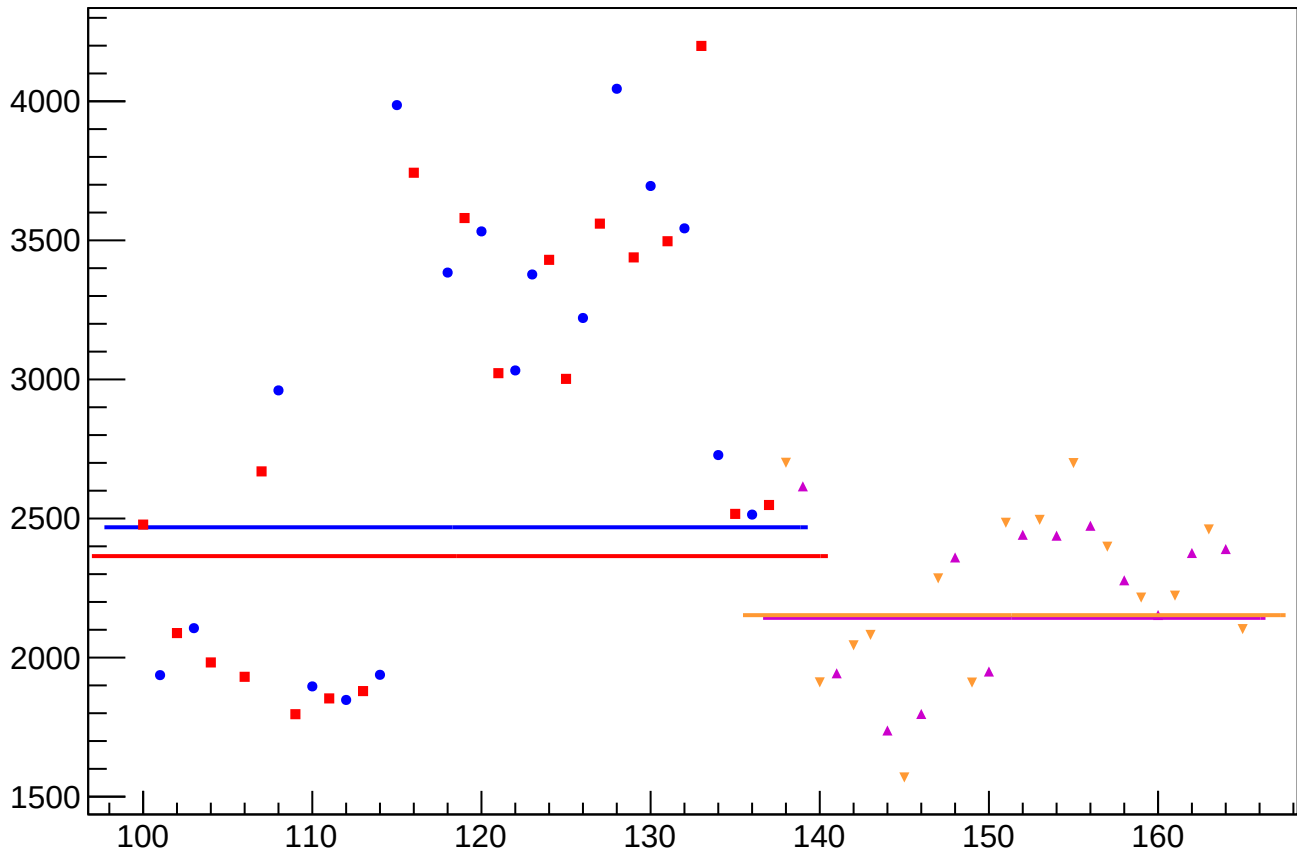
Left In: 800.949 $\pm$ 674.242 χ^2 /NDF:8.5/12

+ sign 2862.984 $\pm$ 546.114 χ^2 /NDF: 55.0/31

All: 1978.565 $\pm$ 385.677 χ^2 /NDF: 79.6/63

- sign 1098.569 $\pm$ 544.747 χ^2 /NDF: 19.3/31

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2152.528+/-0.462 χ^2/NDF : 499456.9/14

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

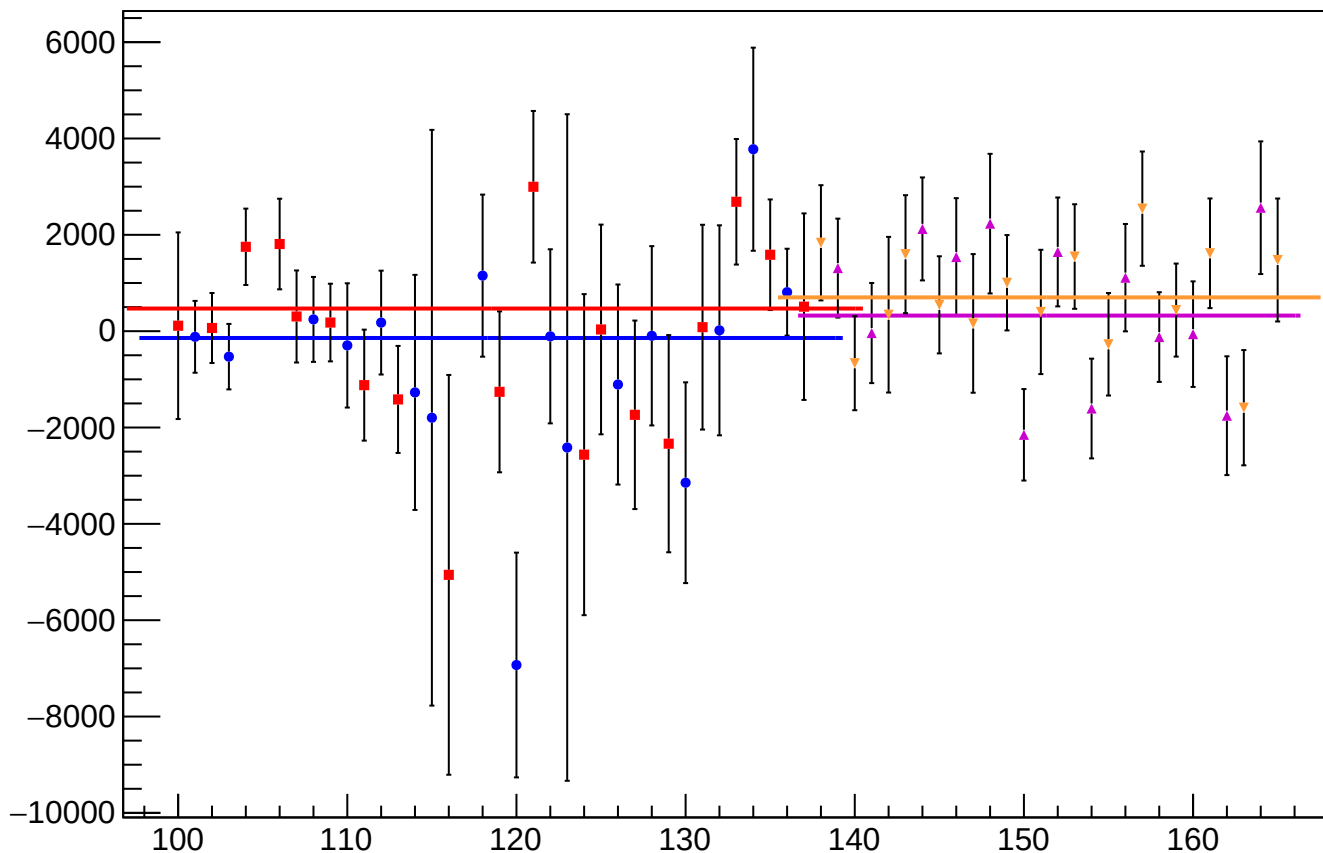
Left In: 2142.902+/-0.477 χ^2/NDF : 355626.7/12

+ sign 2247.549+/-0.386 χ^2/NDF : 1536395.7/31

All: 2233.722+/-0.273 χ^2/NDF : 2994982.5/63

- sign 2219.964+/-0.385 χ^2/NDF : 1456029.0/31

asym_sam5_mean vs Slug



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 701.571 ± 295.047 $\chi^2/\text{NDF}: 12.4/14$

Right Out: 470.143 ± 282.892 $\chi^2/\text{NDF}: 22.9/18$

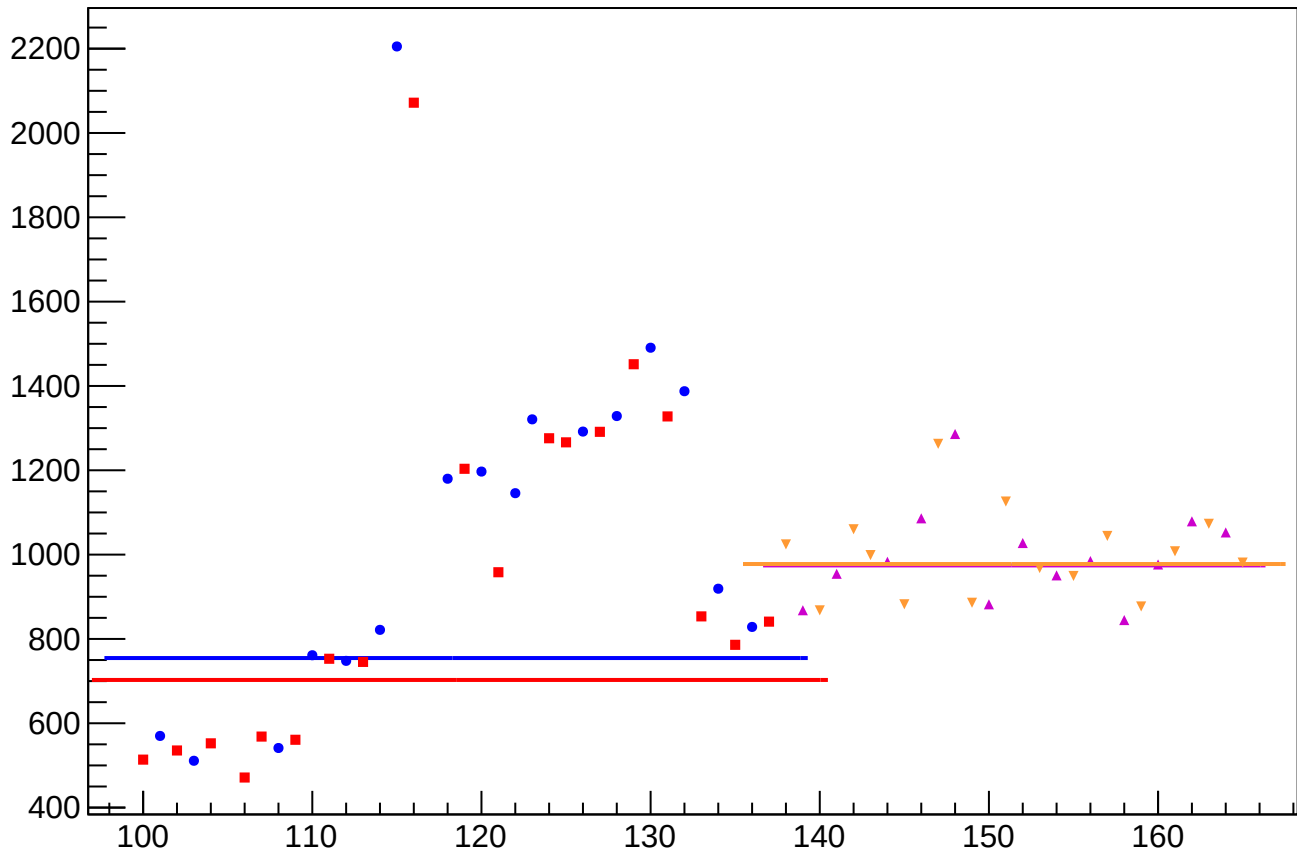
Left In: 323.700 ± 305.759 $\chi^2/\text{NDF}: 24.6/12$

+ sign 305.468 ± 214.799 $\chi^2/\text{NDF}: 33.2/31$

All: 355.678 ± 149.294 $\chi^2/\text{NDF}: 80.9/63$

- sign 402.602 ± 207.649 $\chi^2/\text{NDF}: 47.6/31$

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 977.691+/-0.209 χ^2/NDF : 218018.2/14

+ sign 872.879+/-0.152 χ^2/NDF : 2445640.8/31

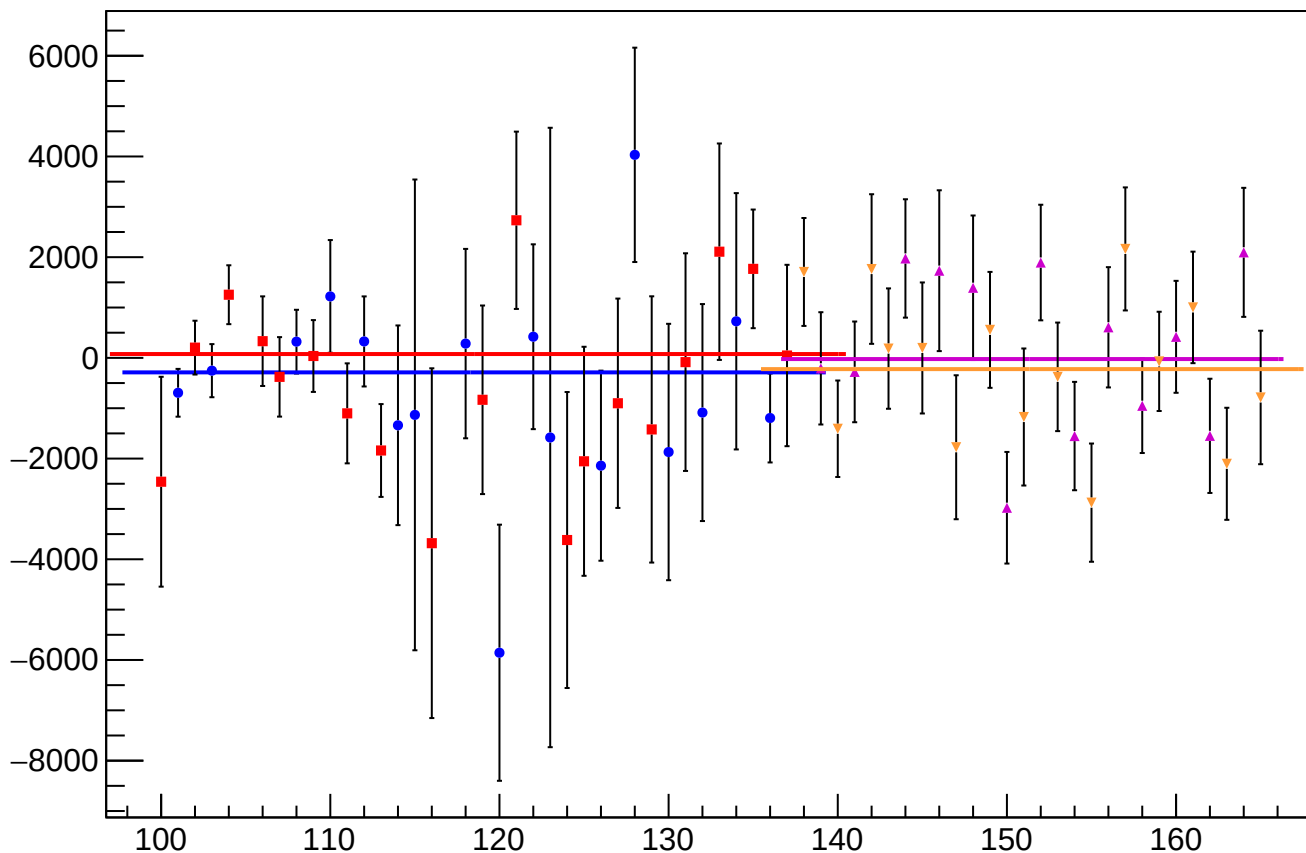
Right Out: 702.721+/-0.200 χ^2/NDF : 1691602.9/18

All: 849.680+/-0.106 χ^2/NDF : 5248446.5/63

- sign 828.001+/-0.147 χ^2/NDF : 2757675.9/31

Left In: 974.352+/-0.216 χ^2/NDF : 215630.2/12

asym_sam6_mean vs Slug



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -223.225+/-302.005 χ^2/NDF : 22.1/14

Right Out: 76.119+/-246.083 χ^2/NDF : 21.4/18

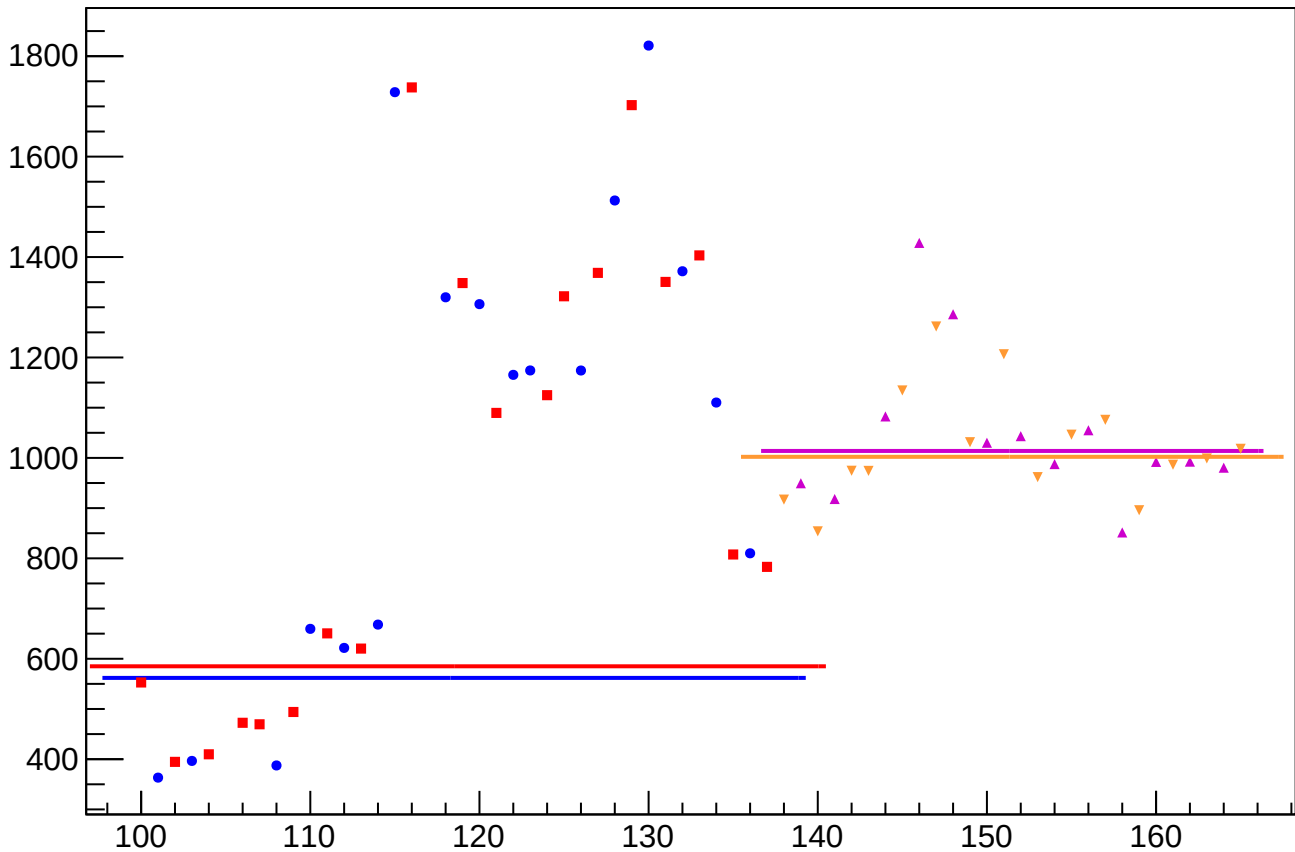
Left In: -23.509+/-318.234 χ^2/NDF : 23.0/12

+ sign -261.629+/-192.777 χ^2/NDF : 38.3/31

All: -112.864+/-136.978 χ^2/NDF : 84.0/63

- sign 38.838+/-194.670 χ^2/NDF : 44.5/31

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 1002.158+/-0.214 χ^2/NDF : 232256.3/14

Right Out: 584.993+/-0.174 χ^2/NDF : 2824449.5/18

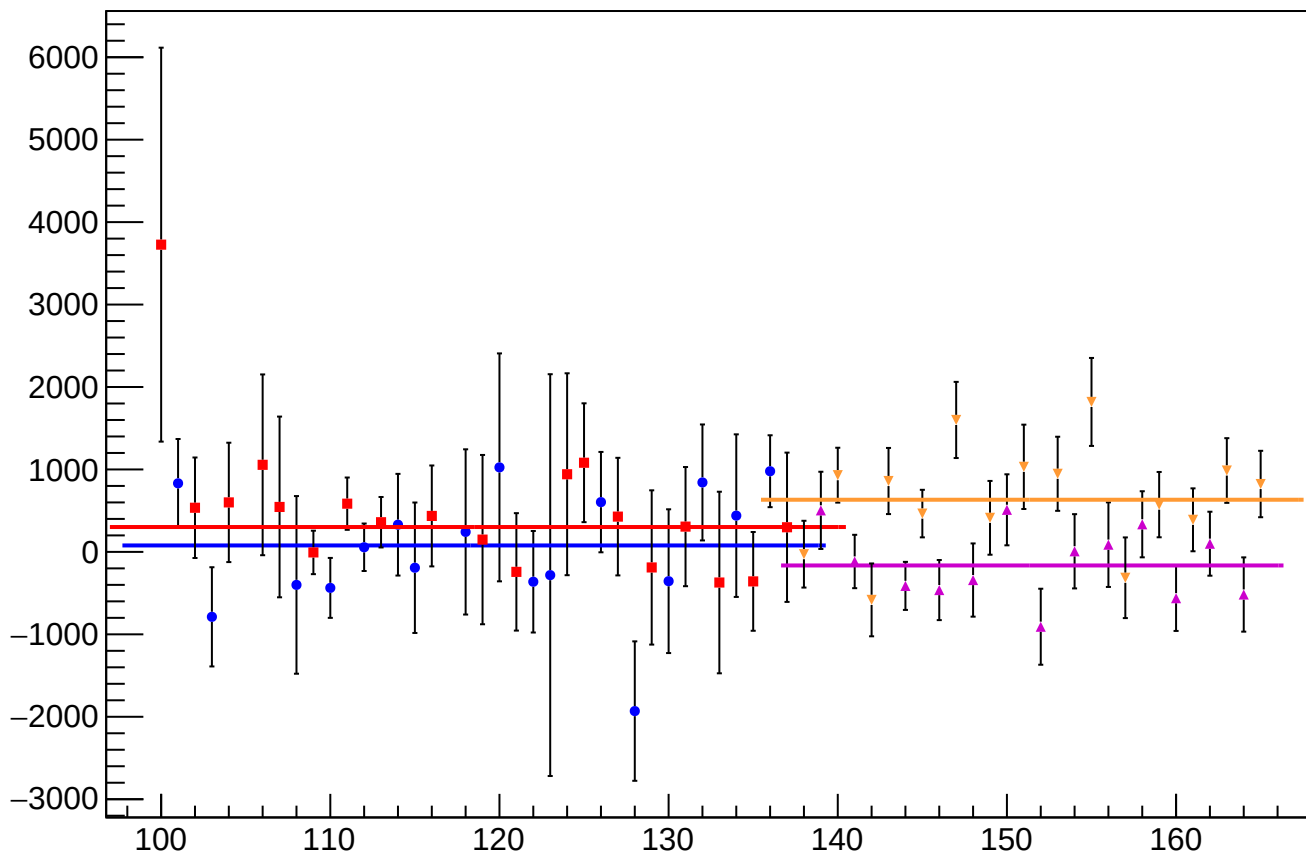
Left In: 1013.861+/-0.225 χ^2/NDF : 306383.7/12

+ sign 741.283+/-0.136 χ^2/NDF : 5967441.4/31

All: 743.359+/-0.097 χ^2/NDF : 11371845.2/63

- sign 745.476+/-0.138 χ^2/NDF : 5403935.4/31

asym_sam7_mean vs Slug



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 632.596 ± 105.094 χ^2/NDF : 27.6/14

Right Out: 301.651 ± 129.650 χ^2/NDF : 9.1/18

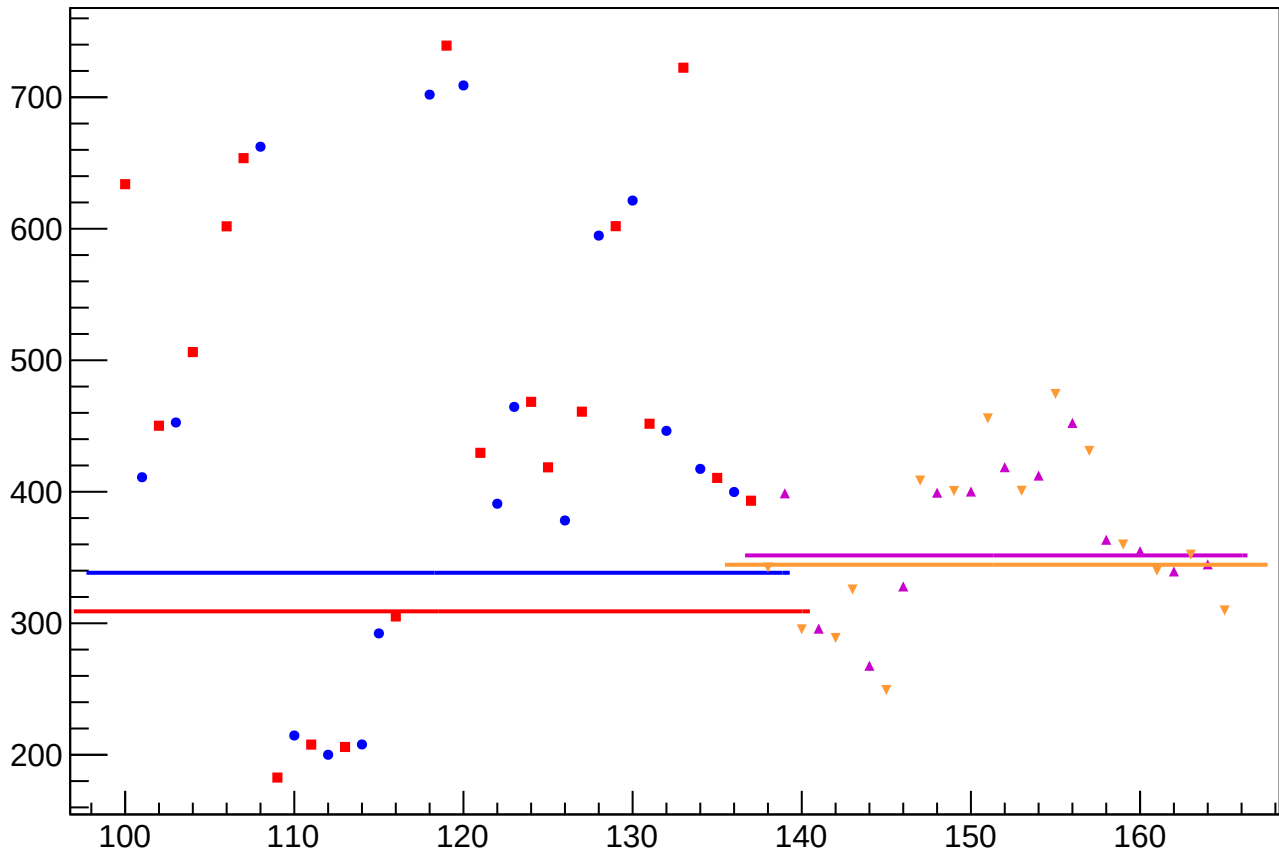
Left In: -164.564 ± 110.810 χ^2/NDF : 12.7/12

+ sign 437.934 ± 84.657 χ^2/NDF : 57.1/31

All: 234.073 ± 59.712 χ^2/NDF : 97.9/63

- sign 32.238 ± 84.235 χ^2/NDF : 29.2/31

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 344.509 $\pm$ 0.074 χ^2 /NDF: 694070.0/14

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

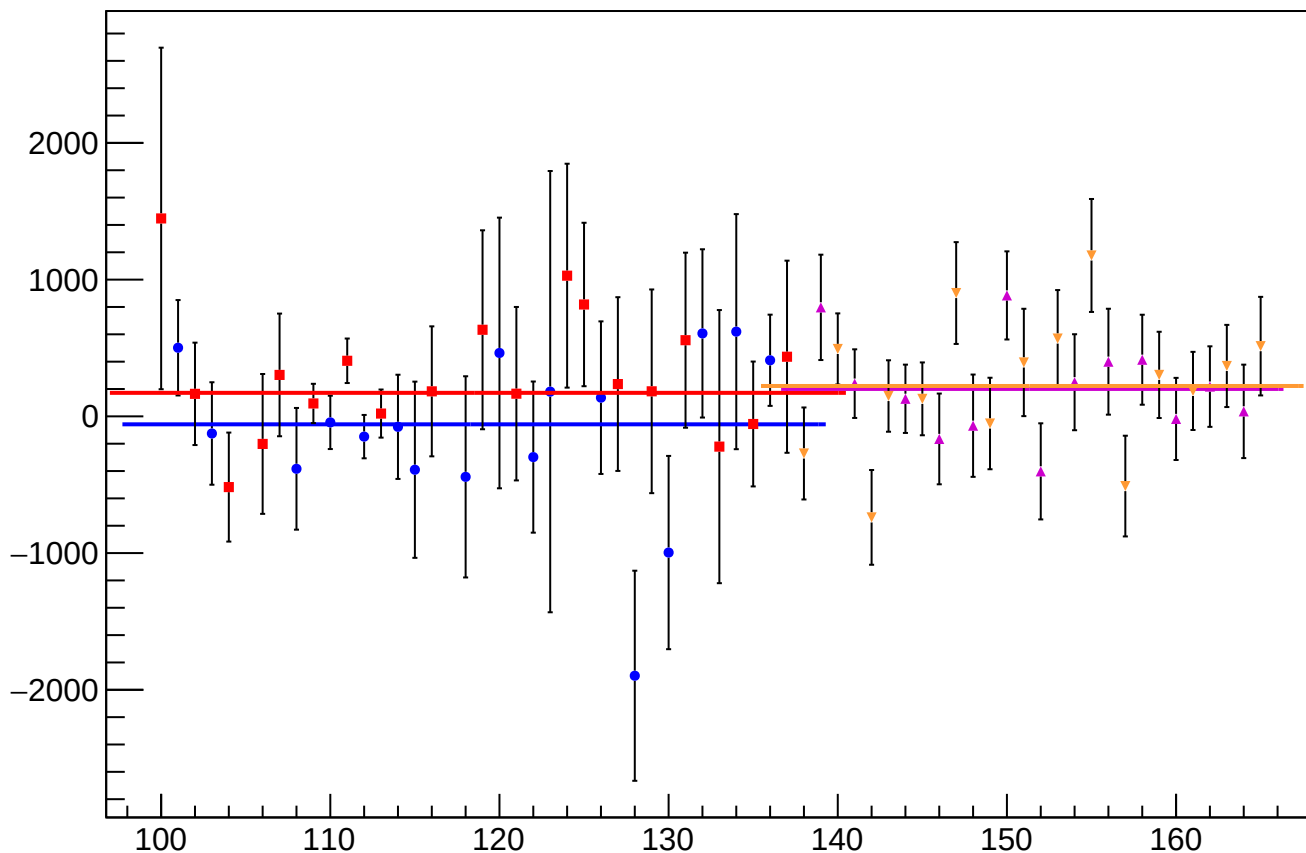
Left In: 351.612 $\pm$ 0.078 χ^2 /NDF: 462385.2/12

+ sign 342.366 $\pm$ 0.060 χ^2 /NDF: 2705723.5/31

All: 337.991 $\pm$ 0.042 χ^2 /NDF: 6036579.3/63

- sign 333.658 $\pm$ 0.060 χ^2 /NDF: 3320221.8/31

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 222.139 ± 82.880 $\chi^2/\text{NDF}: 26.6/14$

Right Out: 171.954 ± 76.920 $\chi^2/\text{NDF}: 11.3/18$

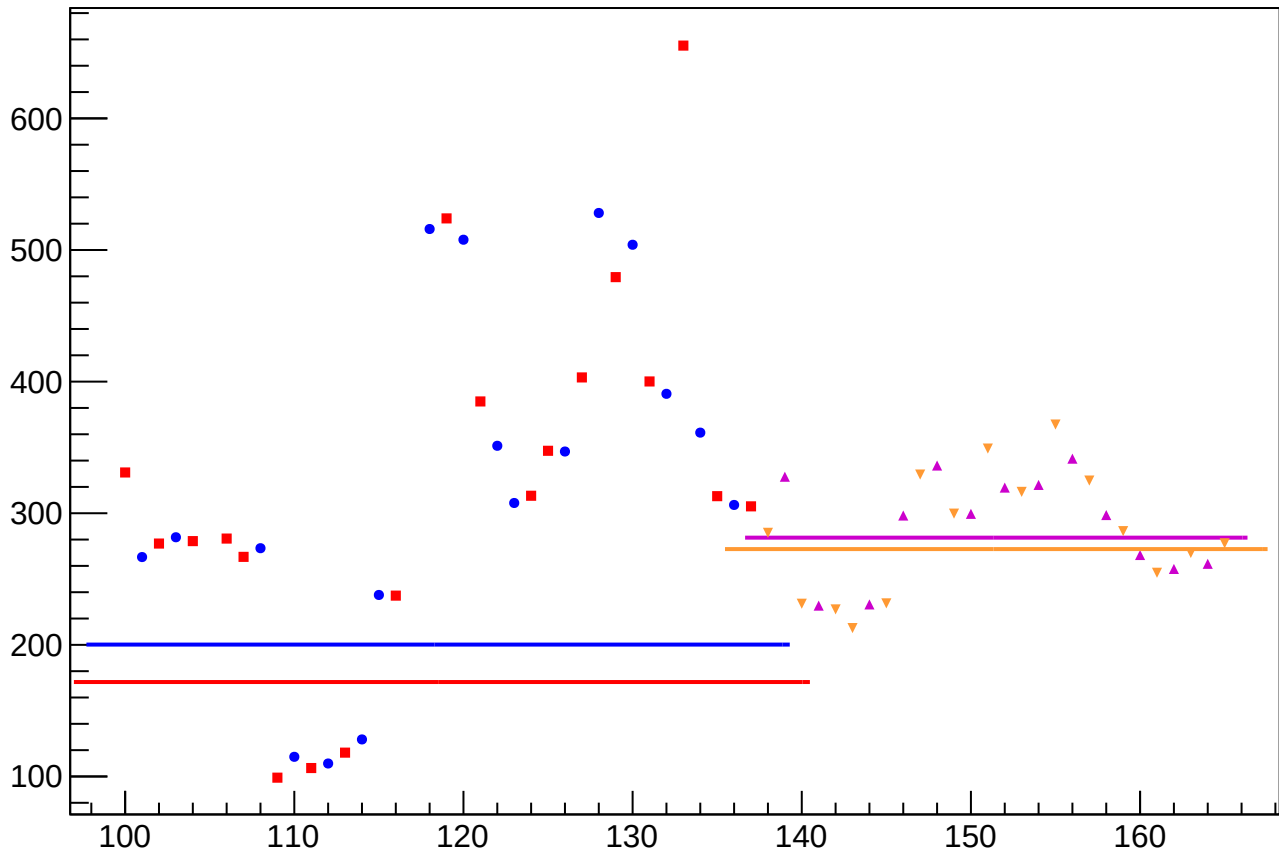
Left In: 200.552 ± 88.465 $\chi^2/\text{NDF}: 13.2/12$

+ sign 94.197 ± 61.117 $\chi^2/\text{NDF}: 47.6/31$

All: 141.551 ± 42.089 $\chi^2/\text{NDF}: 73.4/63$

- sign 184.267 ± 58.046 $\chi^2/\text{NDF}: 24.6/31$

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 272.767+/-0.059 χ^2/NDF :564127.6/14

Right Out: 171.757+/-0.054 χ^2/NDF : 4093922.6/18

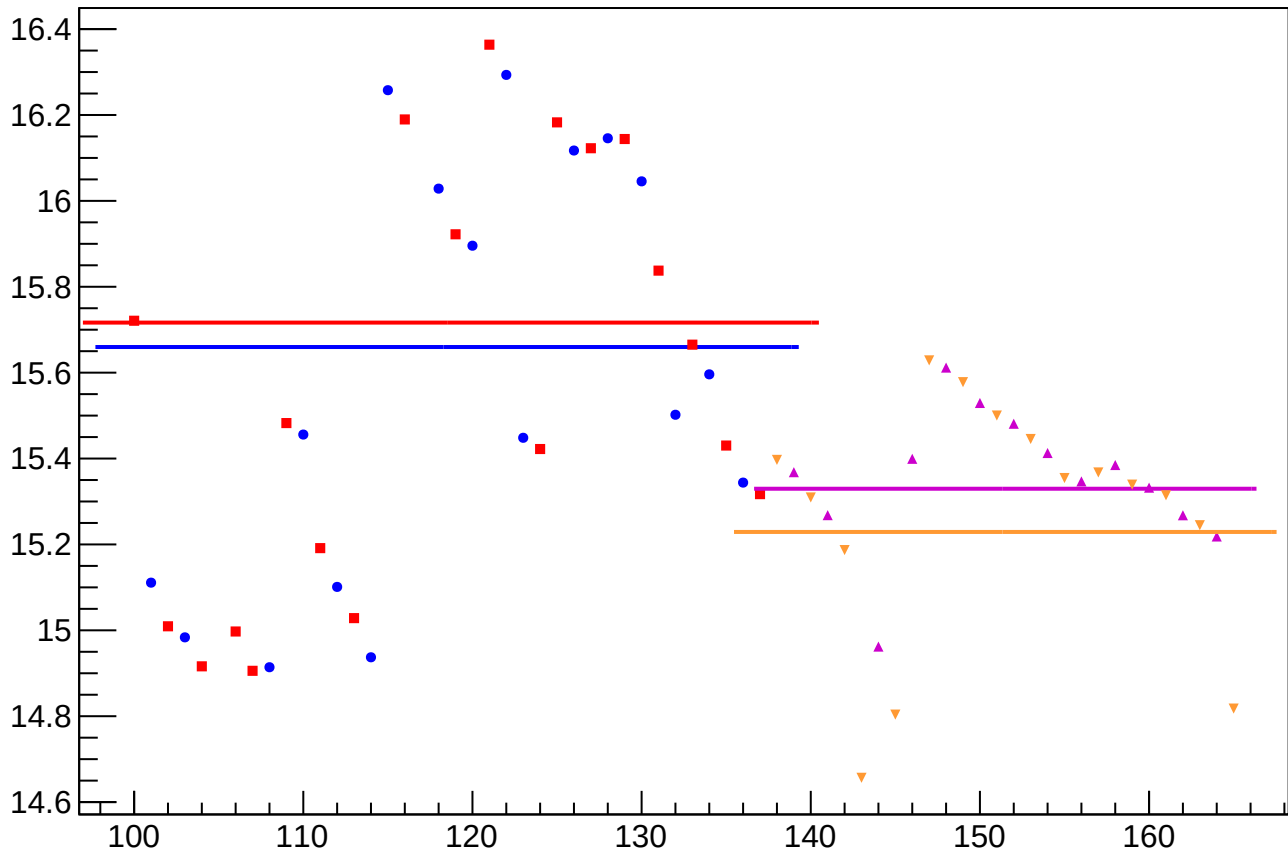
Left In: 281.449+/-0.063 χ^2/NDF :376960.0/12

+ sign 239.664+/-0.043 χ^2/NDF : 4650643.0/31

All: 228.791+/-0.030 χ^2/NDF : 10993012.2/63

- sign 218.983+/-0.041 χ^2/NDF : 6221964.8/31

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.229 $\pm$ 0.000 χ^2 /NDF: 7129325995.7/14

+ sign 15.344 $\pm$ 0.000 χ^2 /NDF: 17409628670.2/31

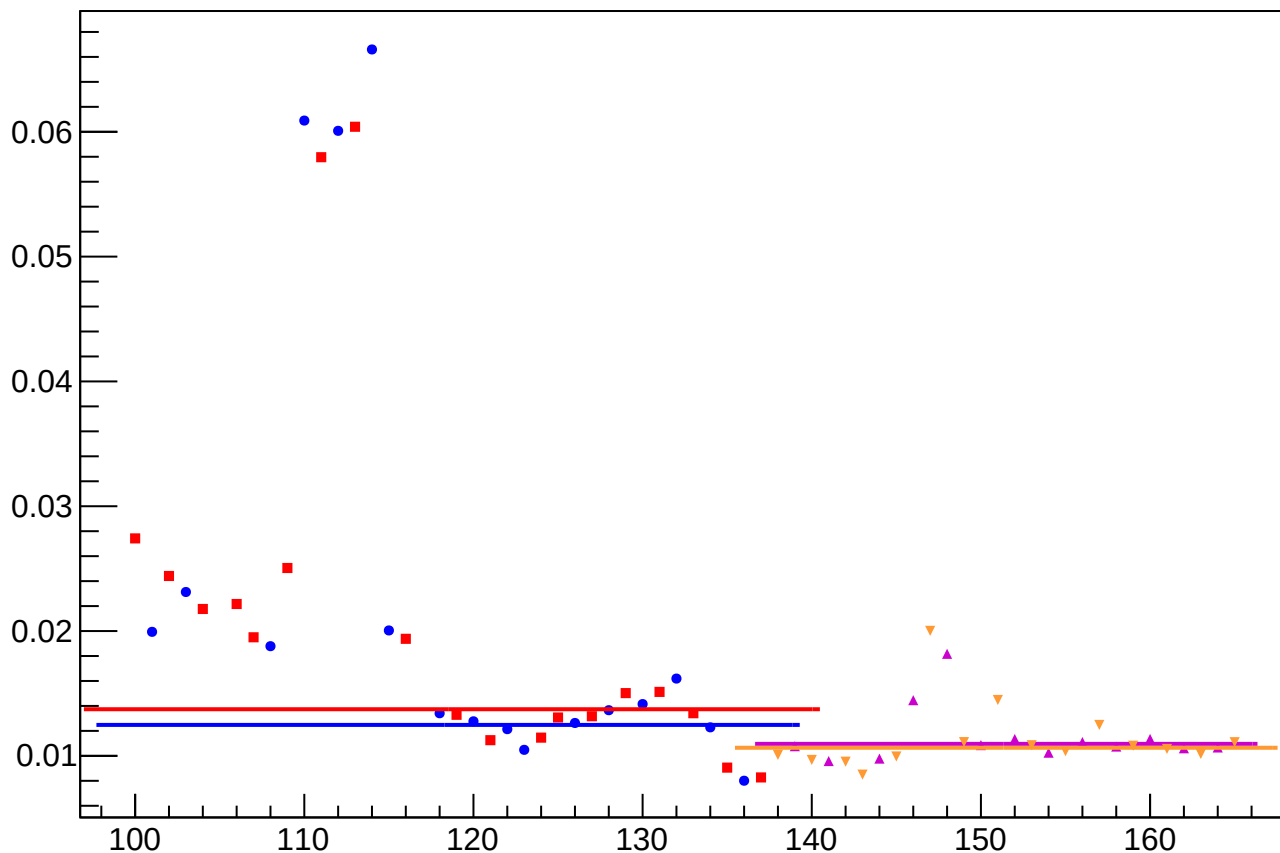
Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

All: 15.385 $\pm$ 0.000 χ^2 /NDF: 28476960311.8

Left In: 15.330 $\pm$ 0.000 χ^2 /NDF: 1979756030.9/12

- sign 15.432 $\pm$ 0.000 χ^2 /NDF: 10619937997.3/31

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 2152911.4/16

Left Out: 0.011+/-0.000 χ^2/NDF :588764.5/14

Right Out: 0.014+/-0.000 χ^2/NDF : 2077569.4/18

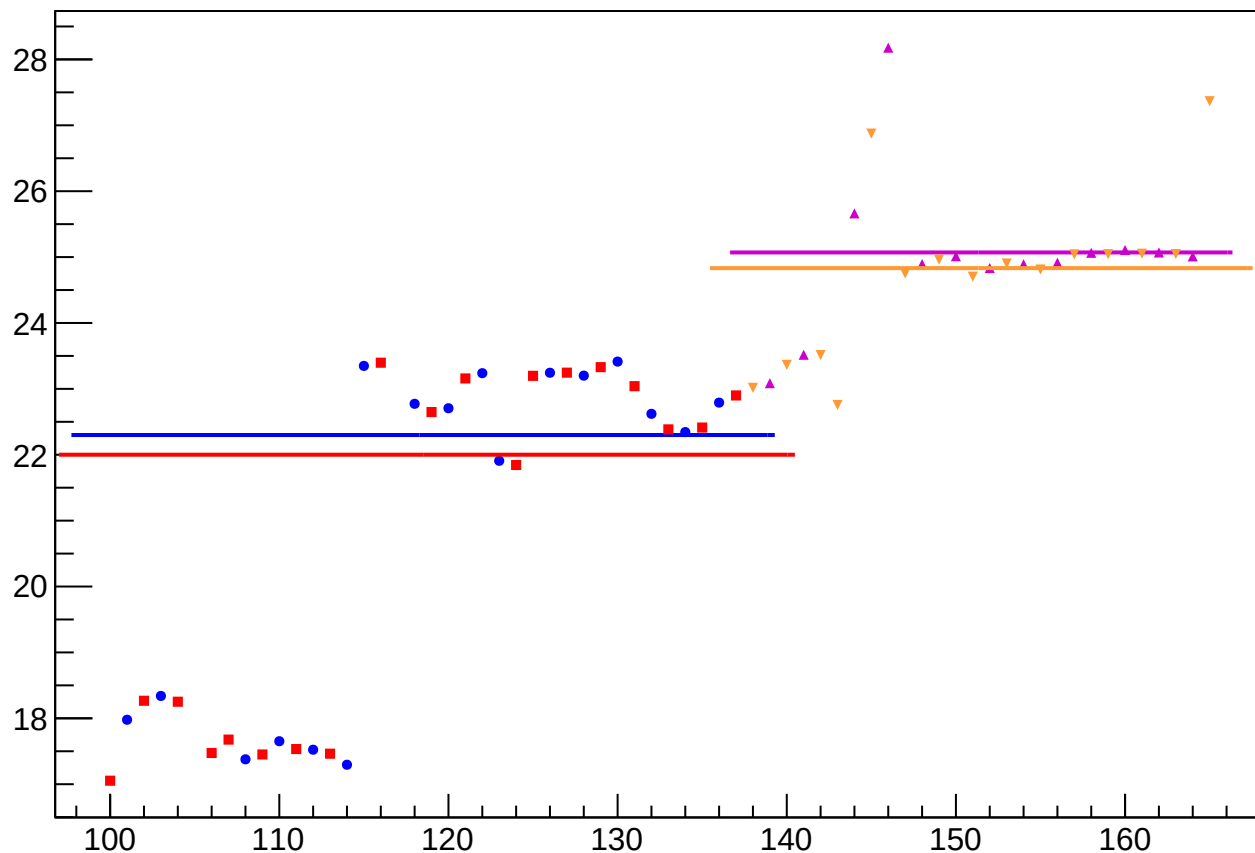
Left In: 0.011+/-0.000 χ^2/NDF :397893.1/12

+ sign 0.011+/-0.000 χ^2/NDF : 2904468.4/31

All: 0.011+/-0.000 χ^2/NDF : 5742923.5/63

- sign 0.012+/-0.000 χ^2/NDF : 2802498.4/31

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.833+/-0.000 χ^2/NDF : 1171405559.0/14

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

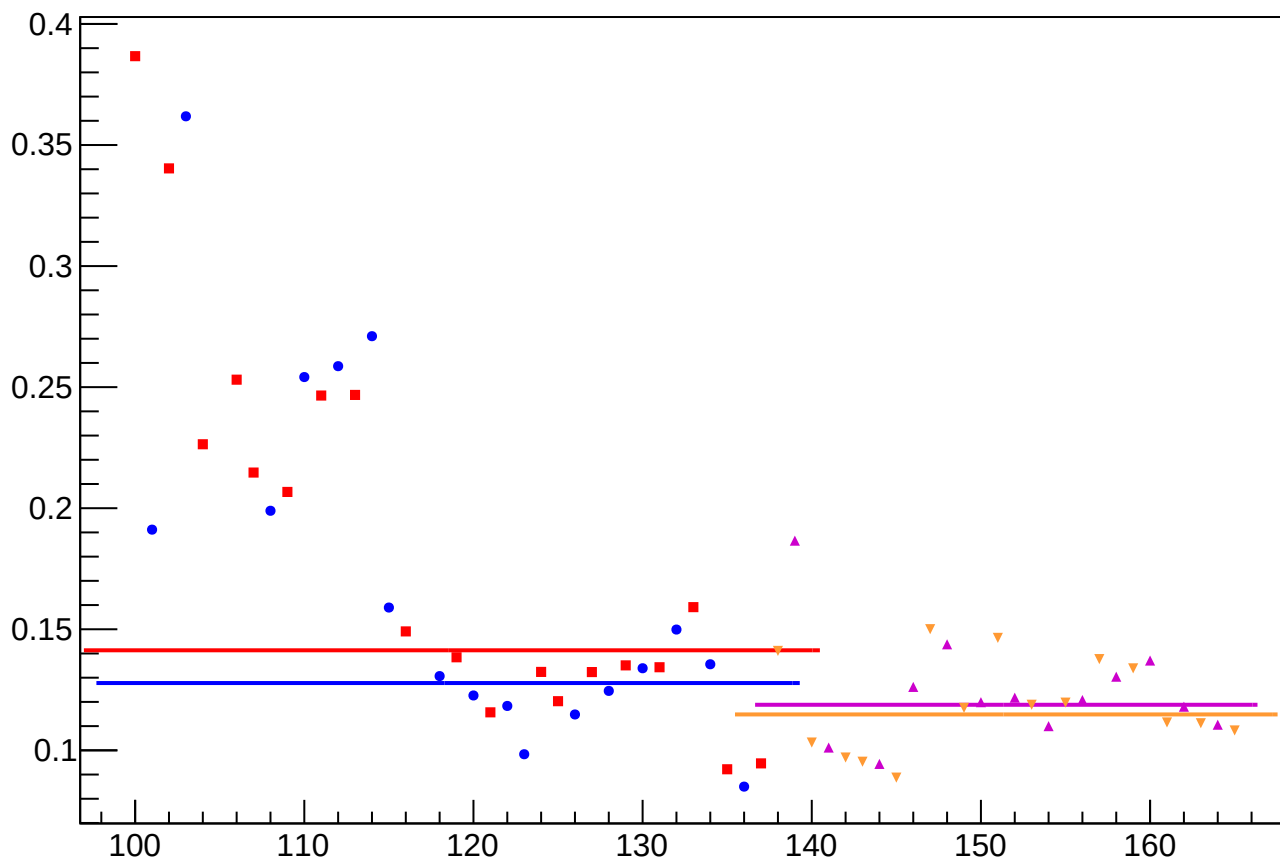
Left In: 25.070+/-0.000 χ^2/NDF : 698255965.5/12

+ sign 24.066+/-0.000 χ^2/NDF : 3495340007.8/31

All: 24.097+/-0.000 χ^2/NDF : 7065962492.2/6

- sign 24.132+/-0.000 χ^2/NDF : 3568520982.4/31

yield_sam2_rms vs Slug



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.115 $\pm$ 0.000 χ^2 /NDF:457908.1/14

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1449275.1/18

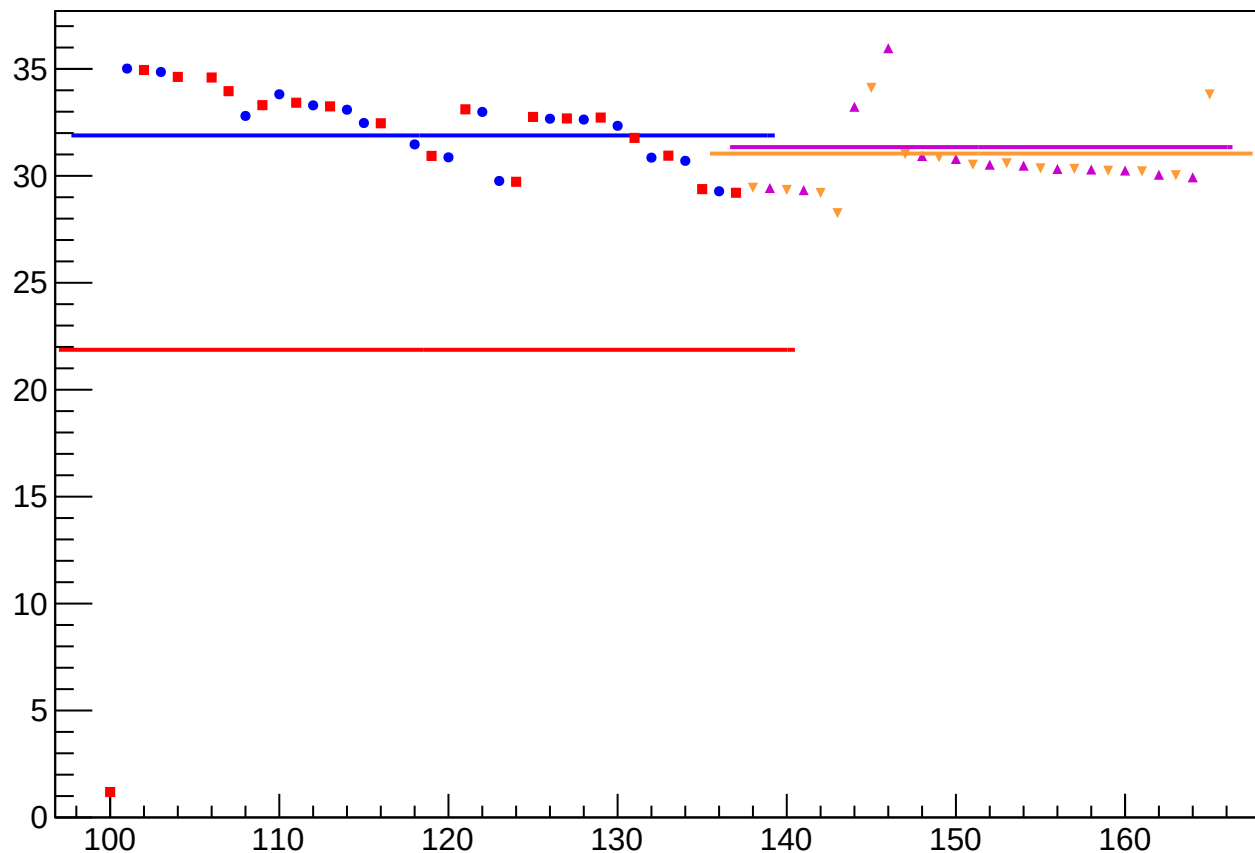
Left In: 0.119 $\pm$ 0.000 χ^2 /NDF:429971.4/12

+ sign 0.119 $\pm$ 0.000 χ^2 /NDF: 2022613.5/31

All: 0.122 $\pm$ 0.000 χ^2 /NDF: 4141901.3/63

- sign 0.126 $\pm$ 0.000 χ^2 /NDF: 2073103.6/31

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.043+/-0.000 χ^2/NDF : 5904487691.1/14

Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18

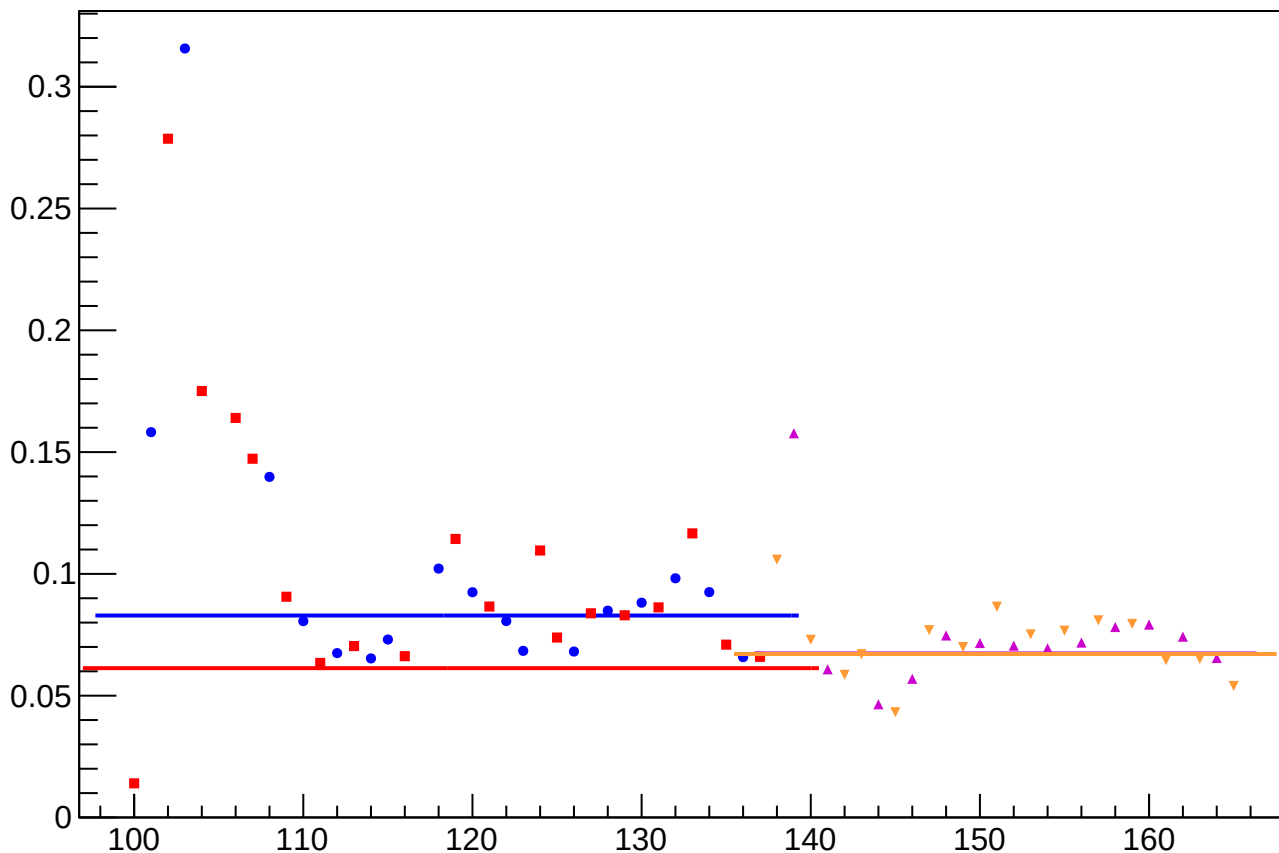
Left In: 31.344+/-0.000 χ^2/NDF : 6727089386.7/12

+ sign 31.277+/-0.000 χ^2/NDF : 8204165452.8/31

All: 29.431+/-0.000 χ^2/NDF : 320981615187.

- sign 27.726+/-0.000 χ^2/NDF : 295892769765.6/31

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.067 $\pm$ 0.000 χ^2 /NDF: 753457.6/14

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

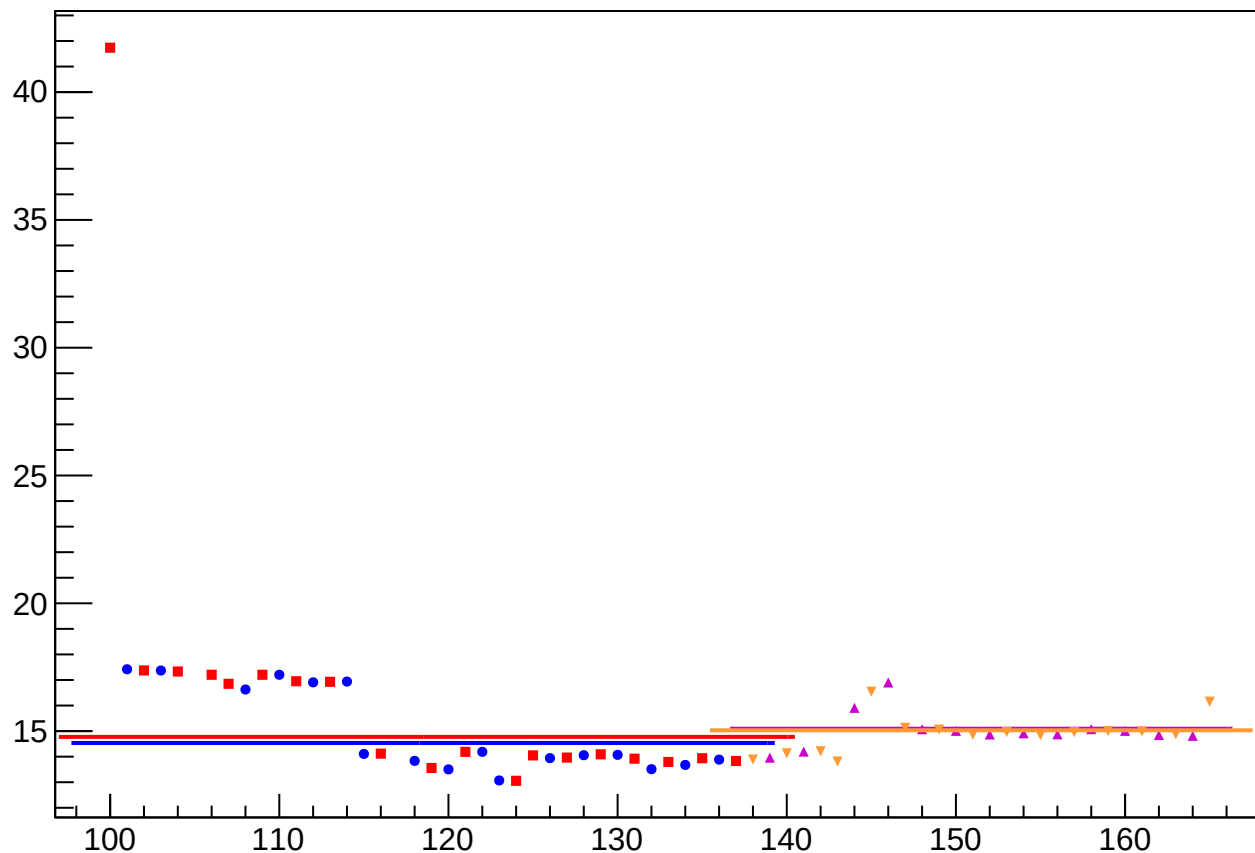
Left In: 0.067 $\pm$ 0.000 χ^2 /NDF: 849034.3/12

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 2175398.4/31

All: 0.068 $\pm$ 0.000 χ^2 /NDF: 6787644.7/63

- sign 0.065 $\pm$ 0.000 χ^2 /NDF: 4501015.8/31

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.032+/-0.000 χ^2/NDF : 1115619849.5/14

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

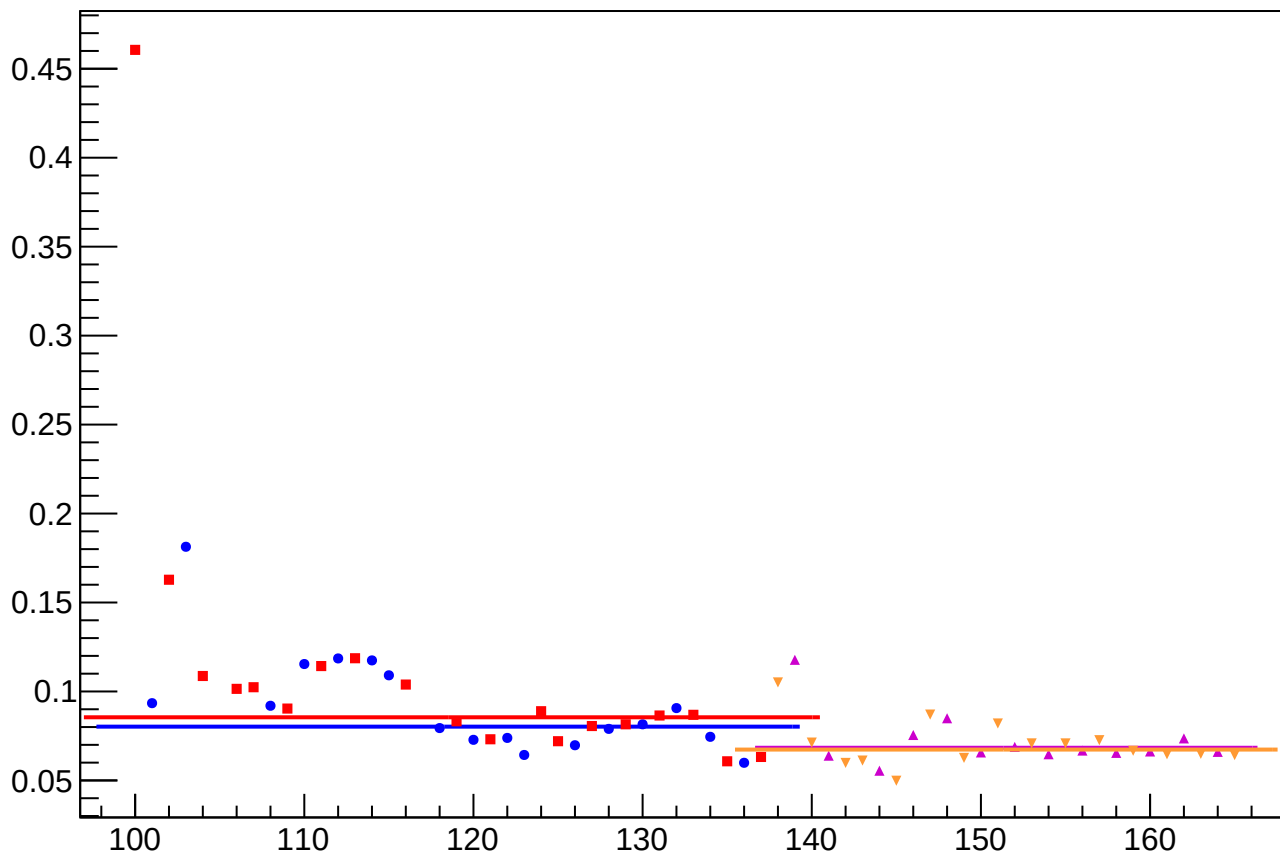
Left In: 15.094+/-0.000 χ^2/NDF : 756457738.8/12

+ sign 14.885+/-0.000 χ^2/NDF : 2734881252.3/31

All: 14.939+/-0.000 χ^2/NDF : 5452985280.2/6

- sign 14.997+/-0.000 χ^2/NDF : 2700680064.6/31

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.067+/-0.000 χ^2/NDF : 477108.4/14

Right Out: 0.085+/-0.000 χ^2/NDF : 738043.0/18

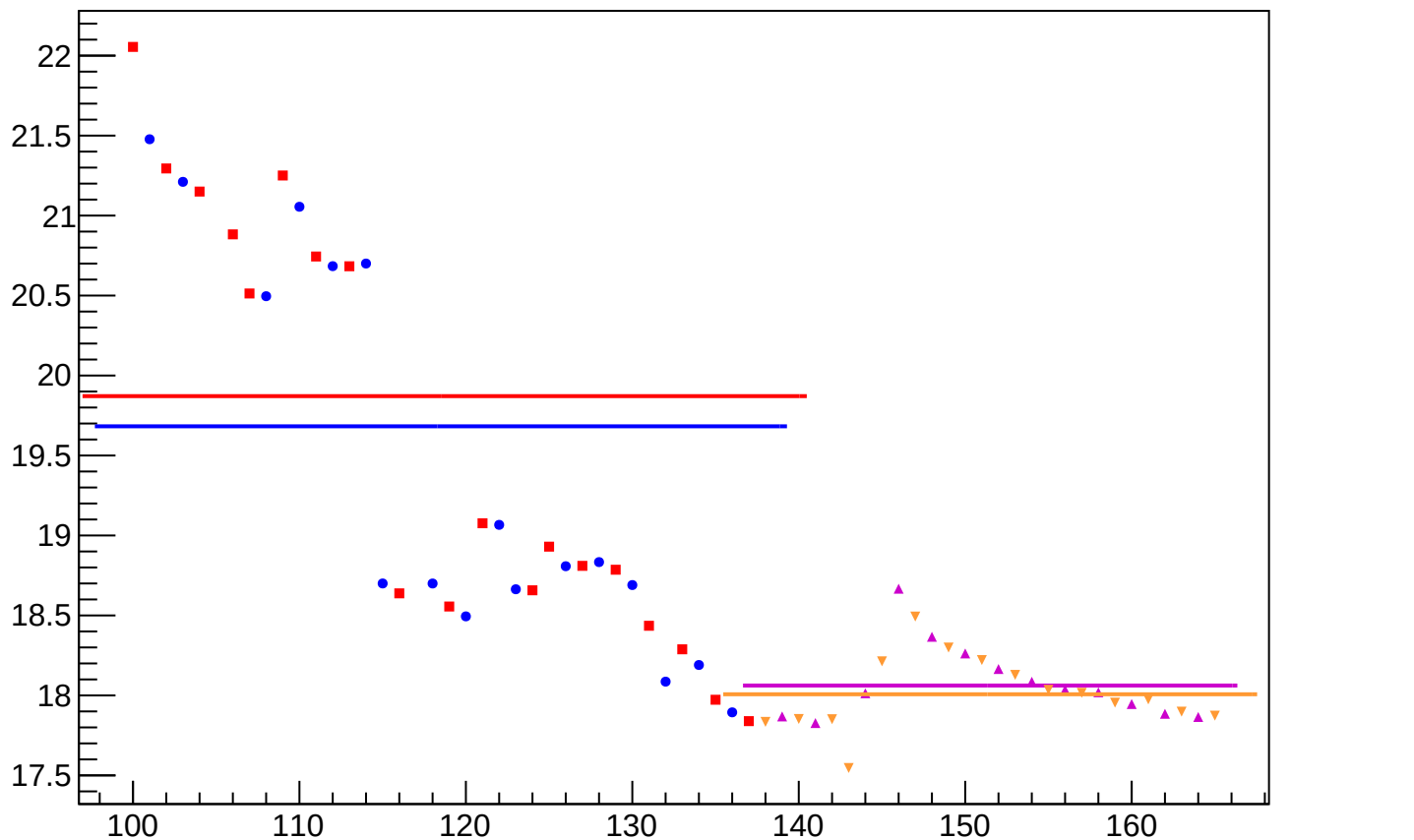
Left In: 0.068+/-0.000 χ^2/NDF : 411978.7/12

+ sign 0.071+/-0.000 χ^2/NDF : 1456364.2/31

All: 0.072+/-0.000 χ^2/NDF : 2951240.8/63

- sign 0.074+/-0.000 χ^2/NDF : 1479220.3/31

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.007+/-0.000 χ^2/NDF : 427444076.6/14

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

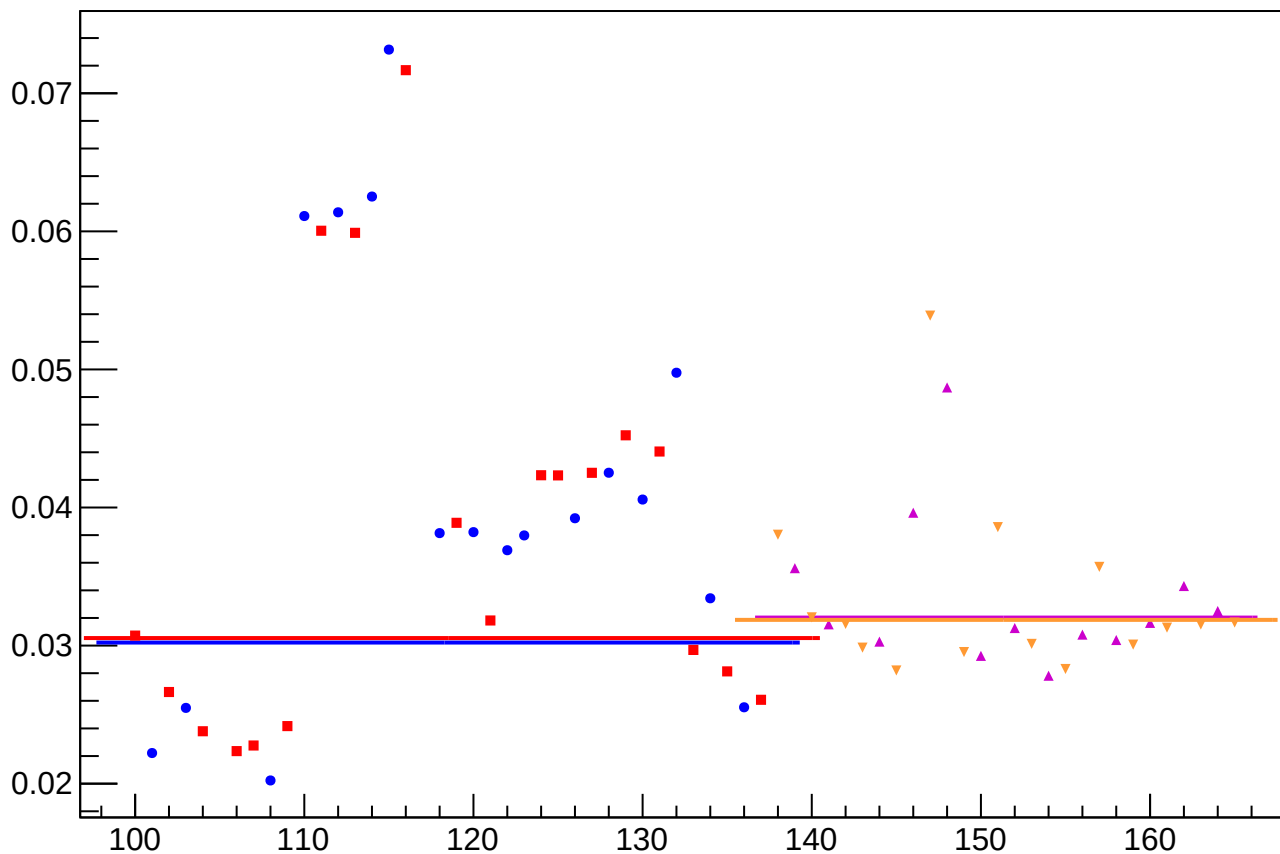
Left In: 18.062+/-0.000 χ^2/NDF : 373668337.5/12

+ sign 18.631+/-0.000 χ^2/NDF : 23475078404.6/31

All: 18.706+/-0.000 χ^2/NDF : 47812207287.2

- sign 18.783+/-0.000 χ^2/NDF : 24151470753.9/31

yield_sam5_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 1324518.2/16

Left Out: 0.032 $\pm$ 0.000 χ^2 /NDF:424702.4/14

Right Out: 0.031 $\pm$ 0.000 χ^2 /NDF: 1189734.1/18

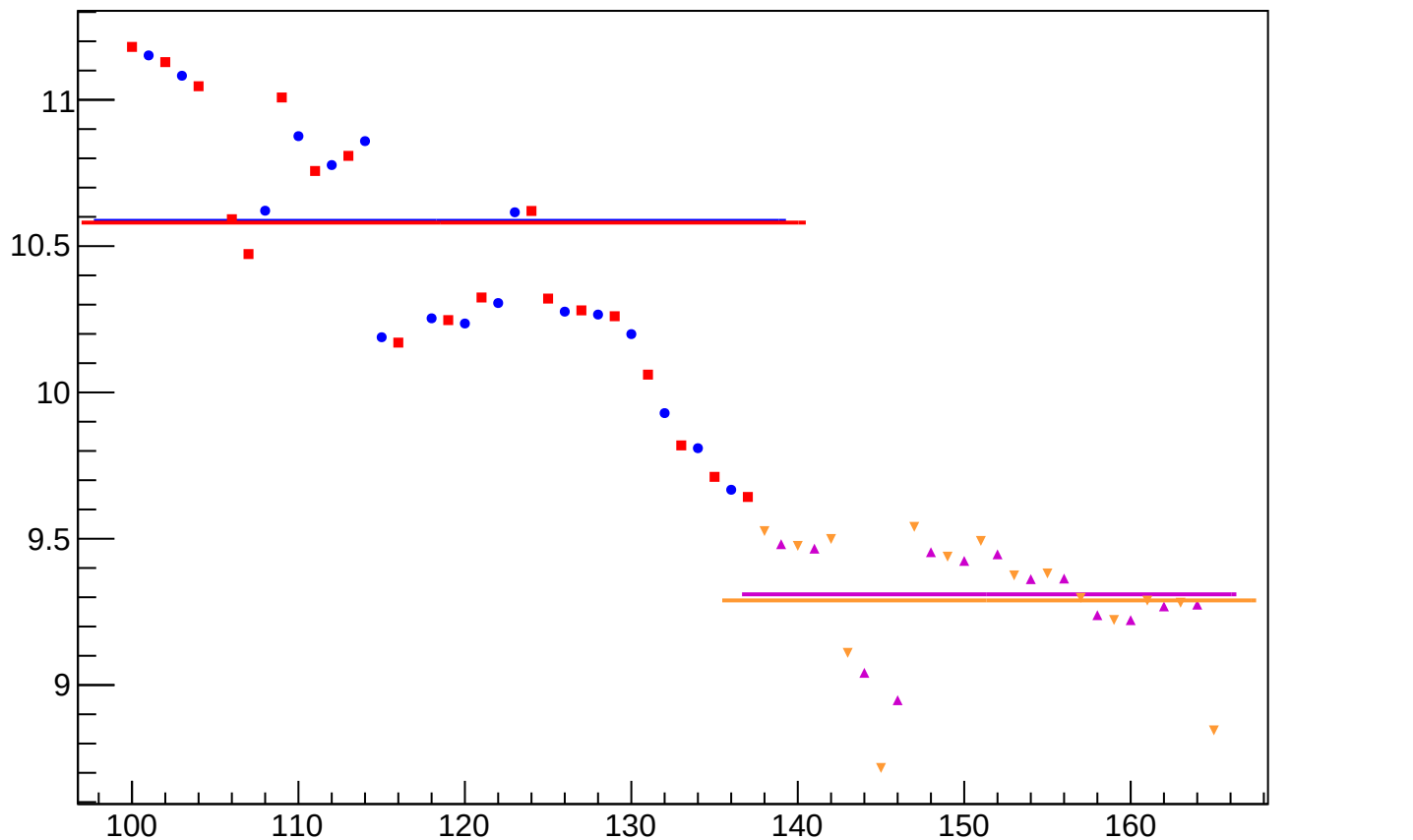
Left In: 0.032 $\pm$ 0.000 χ^2 /NDF:321969.6/12

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 1769923.8/31

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 3298927.9/63

- sign 0.031 $\pm$ 0.000 χ^2 /NDF: 1528442.1/31

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.289 $\pm$ 0.000 χ^2 /NDF: 1355798824.6/14

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5763852721.2/18

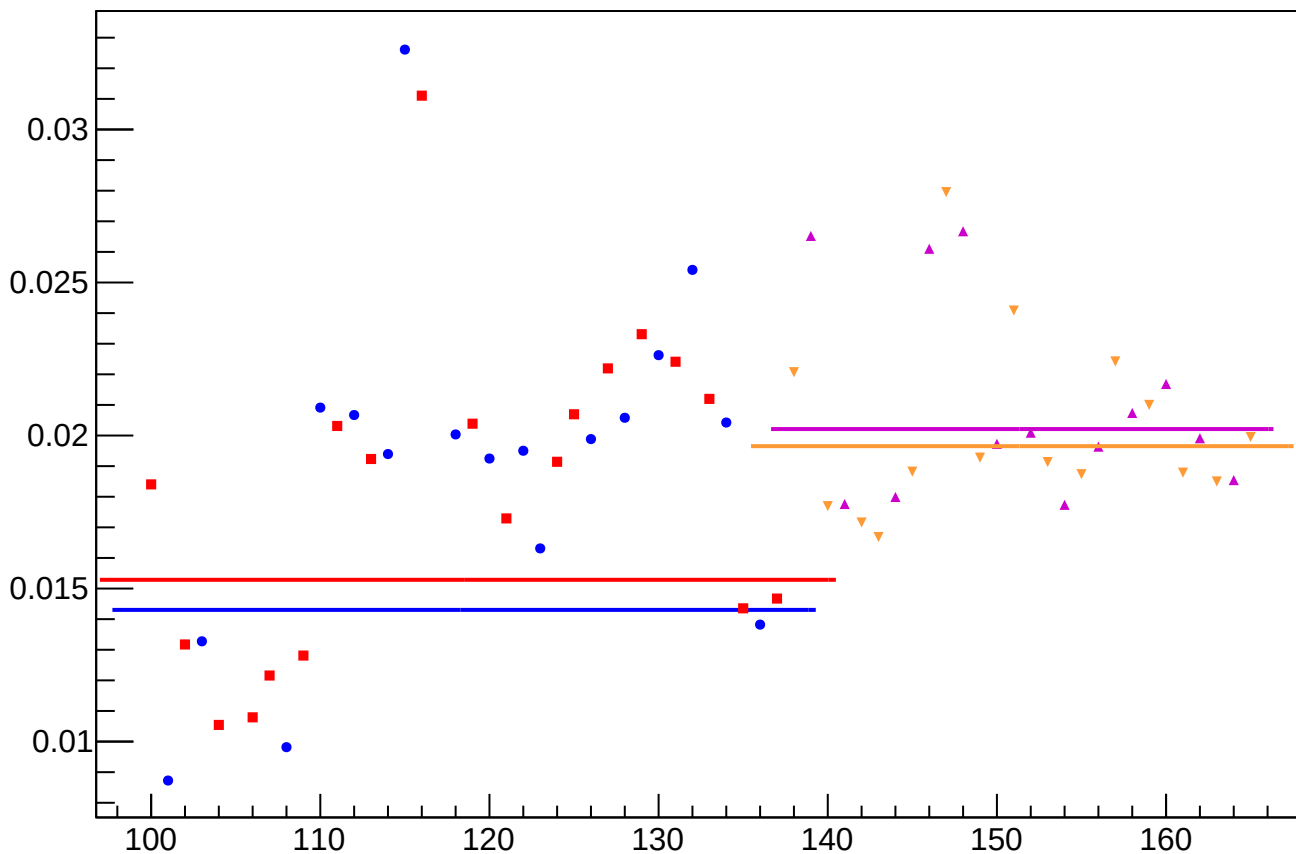
Left In: 9.310 $\pm$ 0.000 χ^2 /NDF: 522913264.9/12

+ sign 9.938 $\pm$ 0.000 χ^2 /NDF: 30675361543.5/31

All: 9.956 $\pm$ 0.000 χ^2 /NDF: 56396525307.9/6

- sign 9.976 $\pm$ 0.000 χ^2 /NDF: 25684694924.5/31

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:314136.9/14

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

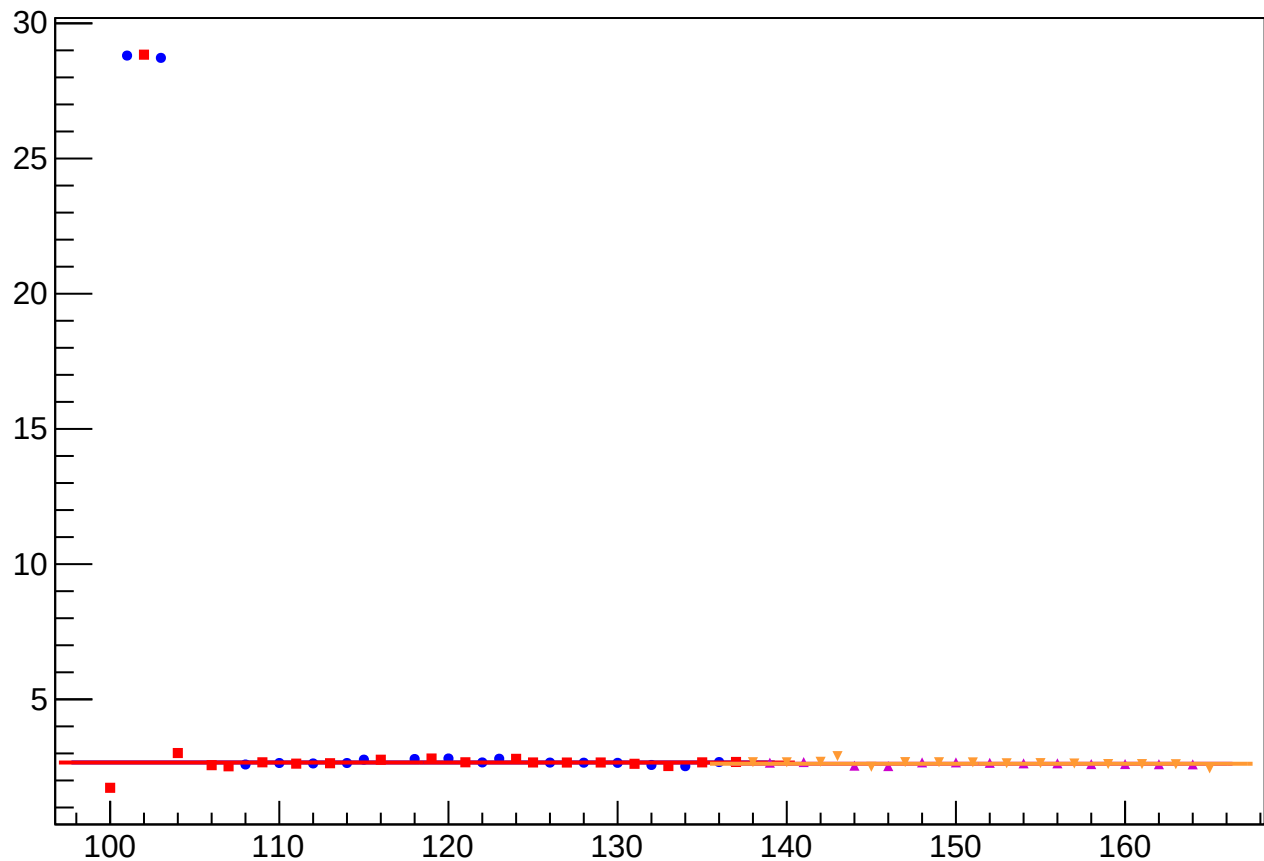
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:346032.9/12

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2467314.4/31

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4406880.9/63

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 1918291.6/31

yield_sam7_mean vs Slug



Right In: 2.666 $\pm$ 0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.618 $\pm$ 0.000 χ^2/NDF : 16034149676.5/14

Right Out: 2.664 $\pm$ 0.000 χ^2/NDF : 70398125461.7/18

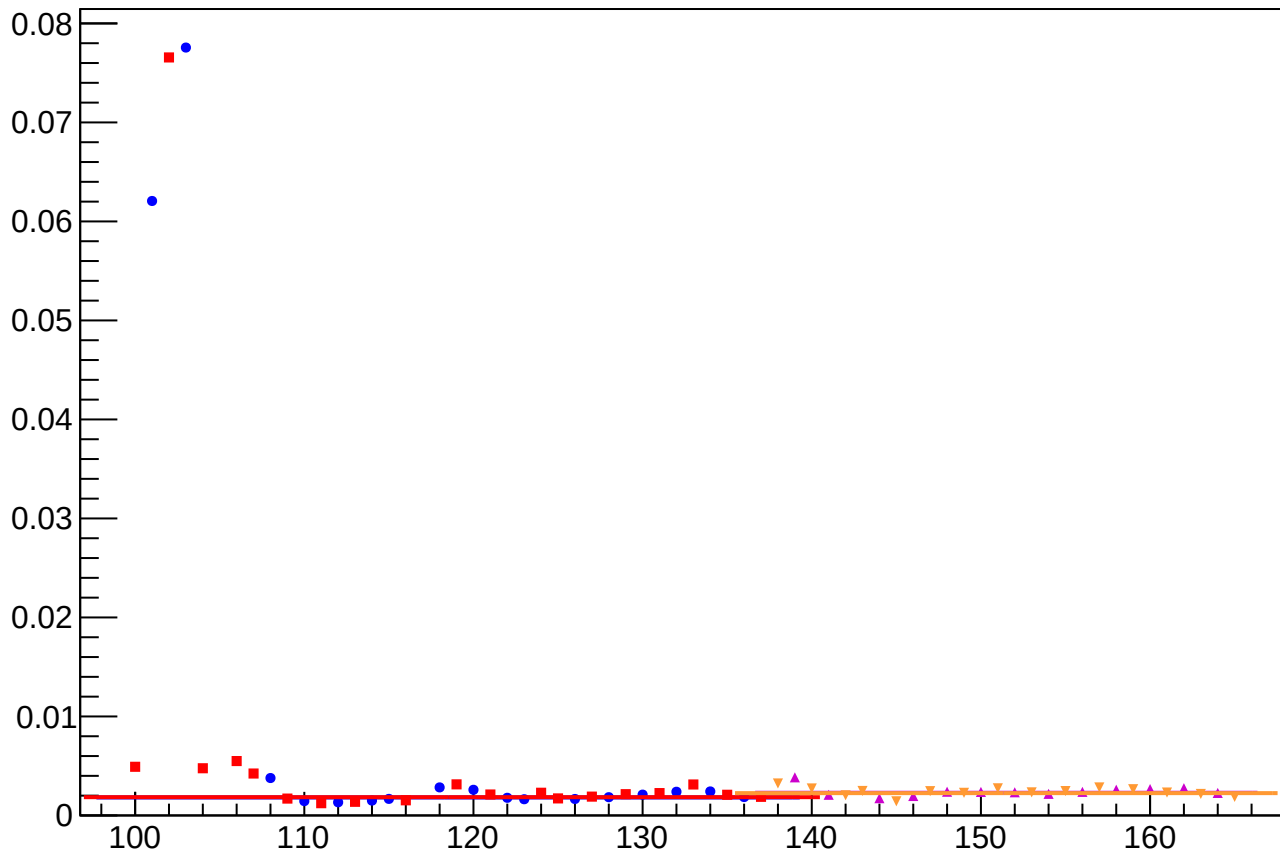
Left In: 2.616 $\pm$ 0.000 χ^2/NDF : 3941107410.6/12

+ sign 2.639 $\pm$ 0.000 χ^2/NDF : 180953317655.5/31

All: 2.639 $\pm$ 0.000 χ^2/NDF : 256972068233.3

- sign 2.638 $\pm$ 0.000 χ^2/NDF : 76018320666.8/31

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: 739988.5/14

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2331228.4/18

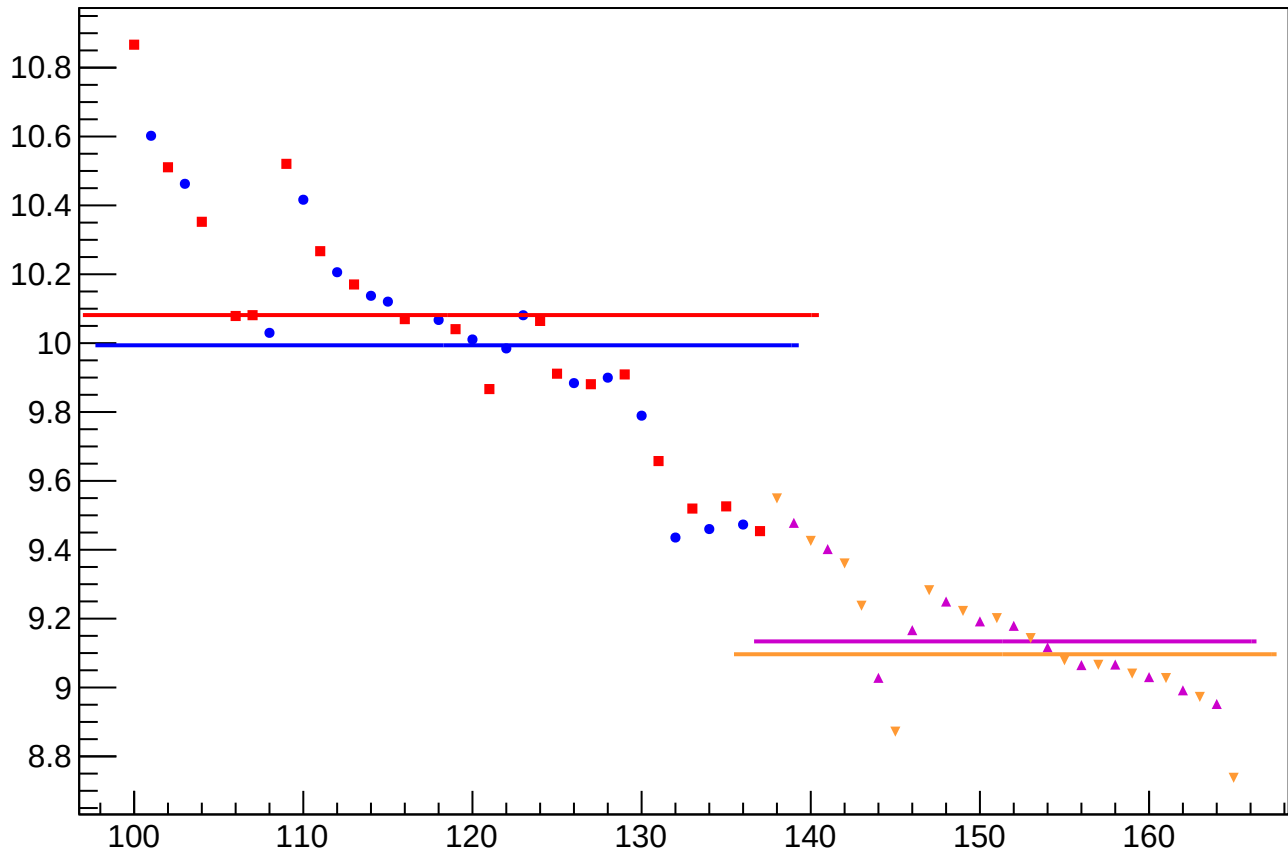
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 502704.3/12

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3692617.4/31

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6826279.9/63

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3132635.1/31

yield_sam8_mean vs Slug



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 9.097 $\pm$ 0.000 χ^2 /NDF: 7626659008.0/14

+ sign 9.492 $\pm$ 0.000 χ^2 /NDF: 107816981058.5/31

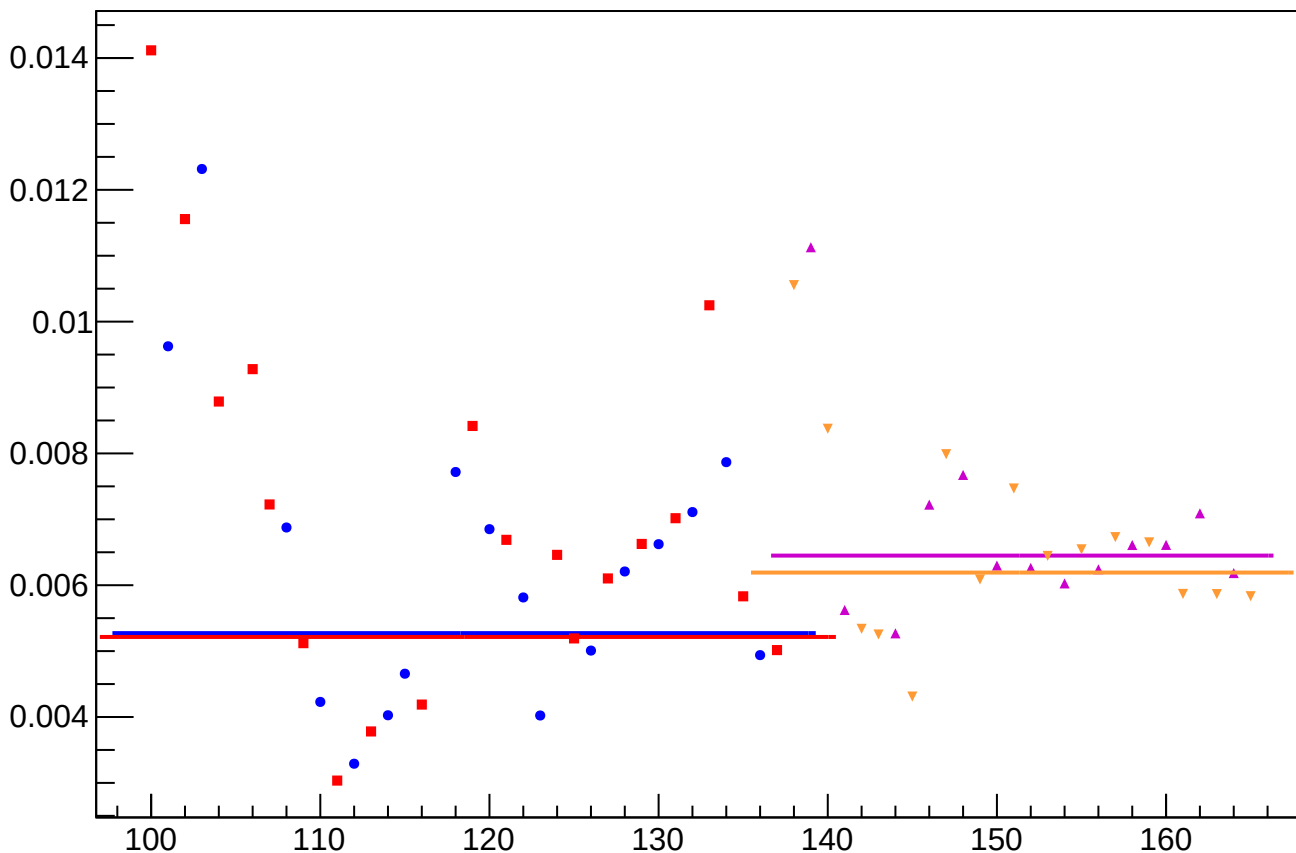
Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

All: 9.544 $\pm$ 0.000 χ^2 /NDF: 217176835924.3

- sign 9.597 $\pm$ 0.000 χ^2 /NDF: 107134934535.9/31

Left In: 9.134 $\pm$ 0.000 χ^2 /NDF: 3466979103.3/12

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 682360.5/14

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

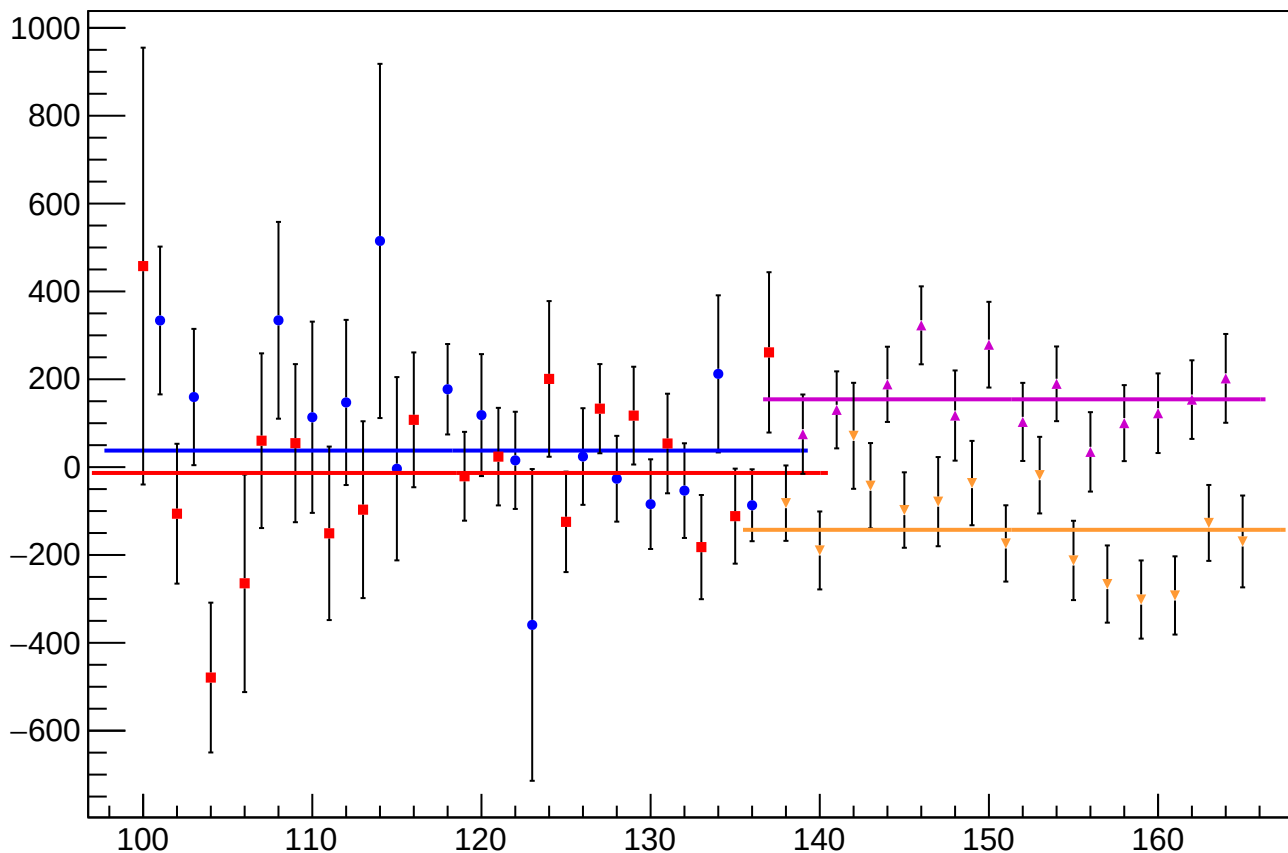
Left In: 0.006+/-0.000 χ^2/NDF : 403638.9/12

+ sign 0.006+/-0.000 χ^2/NDF : 2098723.5/31

All: 0.006+/-0.000 χ^2/NDF : 4460984.4/63

- sign 0.006+/-0.000 χ^2/NDF : 2360878.9/31

reg_asym_sam1_mean vs Slug



Right In: 37.694 ± 32.253 χ^2/NDF : 16.7/16

Left Out: -142.714 ± 23.753 χ^2/NDF : 17.7/14

Right Out: -13.278 ± 32.066 χ^2/NDF : 22.7/18

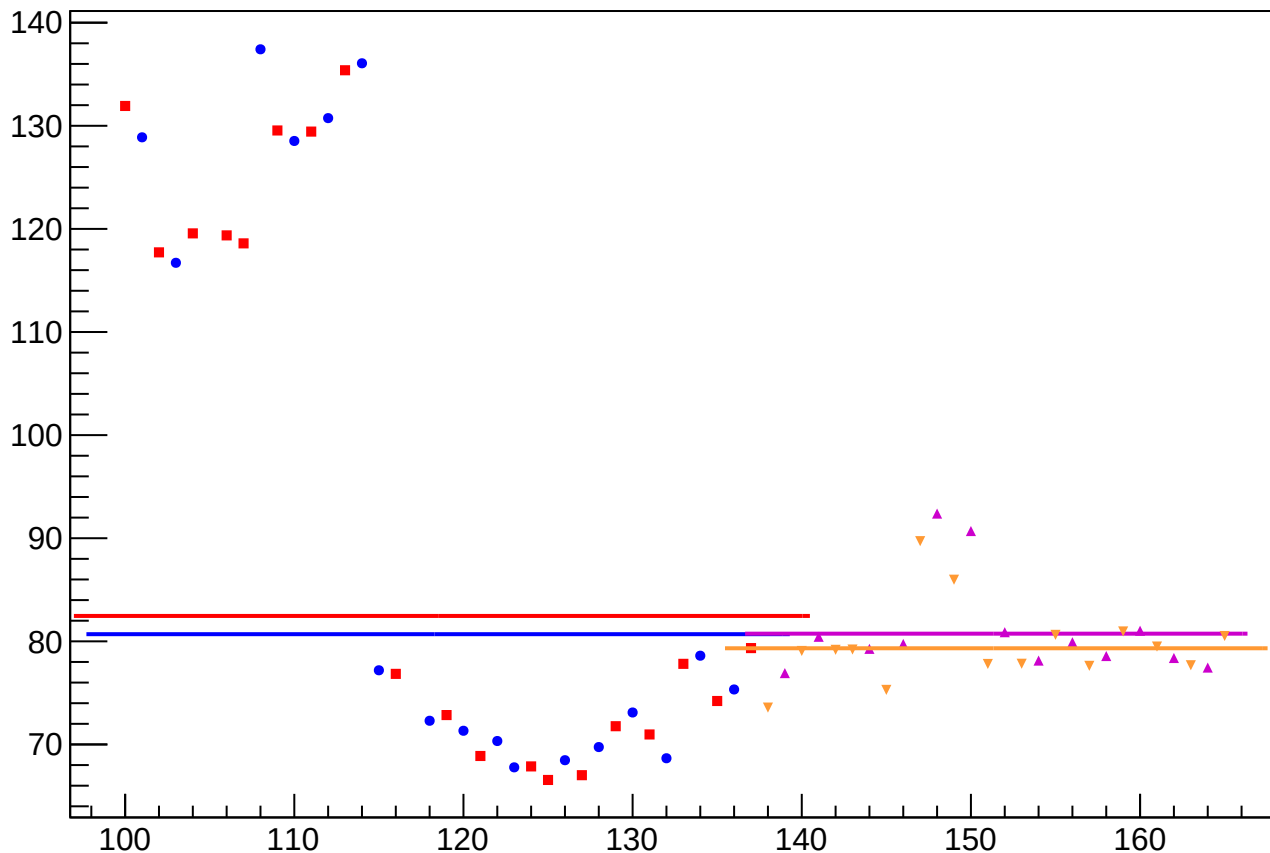
Left In: 154.356 ± 25.148 χ^2/NDF : 9.4/12

+ sign -79.274 ± 19.126 χ^2/NDF : 54.7/31

All: 2.732 ± 13.753 χ^2/NDF : 141.8/63

- sign 90.515 ± 19.789 χ^2/NDF : 49.0/31

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.328 $\pm$ 0.017 χ^2 /NDF: 47990.4/14

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

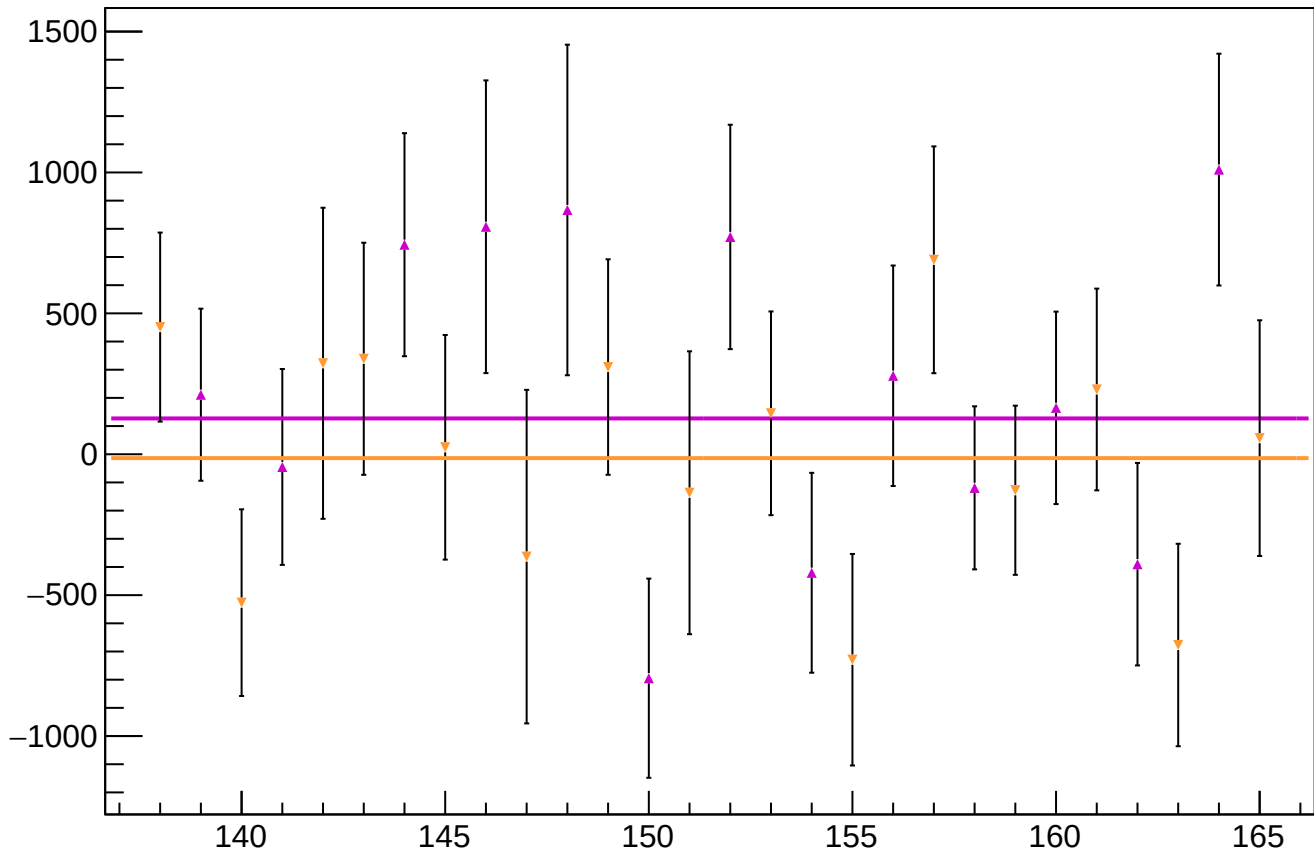
Left In: 80.744 $\pm$ 0.018 χ^2 /NDF: 57846.9/12

+ sign 79.808 $\pm$ 0.014 χ^2 /NDF: 864345.2/31

All: 80.576 $\pm$ 0.010 χ^2 /NDF: 1847313.4/63

- sign 81.399 $\pm$ 0.014 χ^2 /NDF: 976286.5/31

asym_sam1_correction_mean vs Slug



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

Left Out: -13.765 $\pm$ 99.780 χ^2 /NDF:17.5/14

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

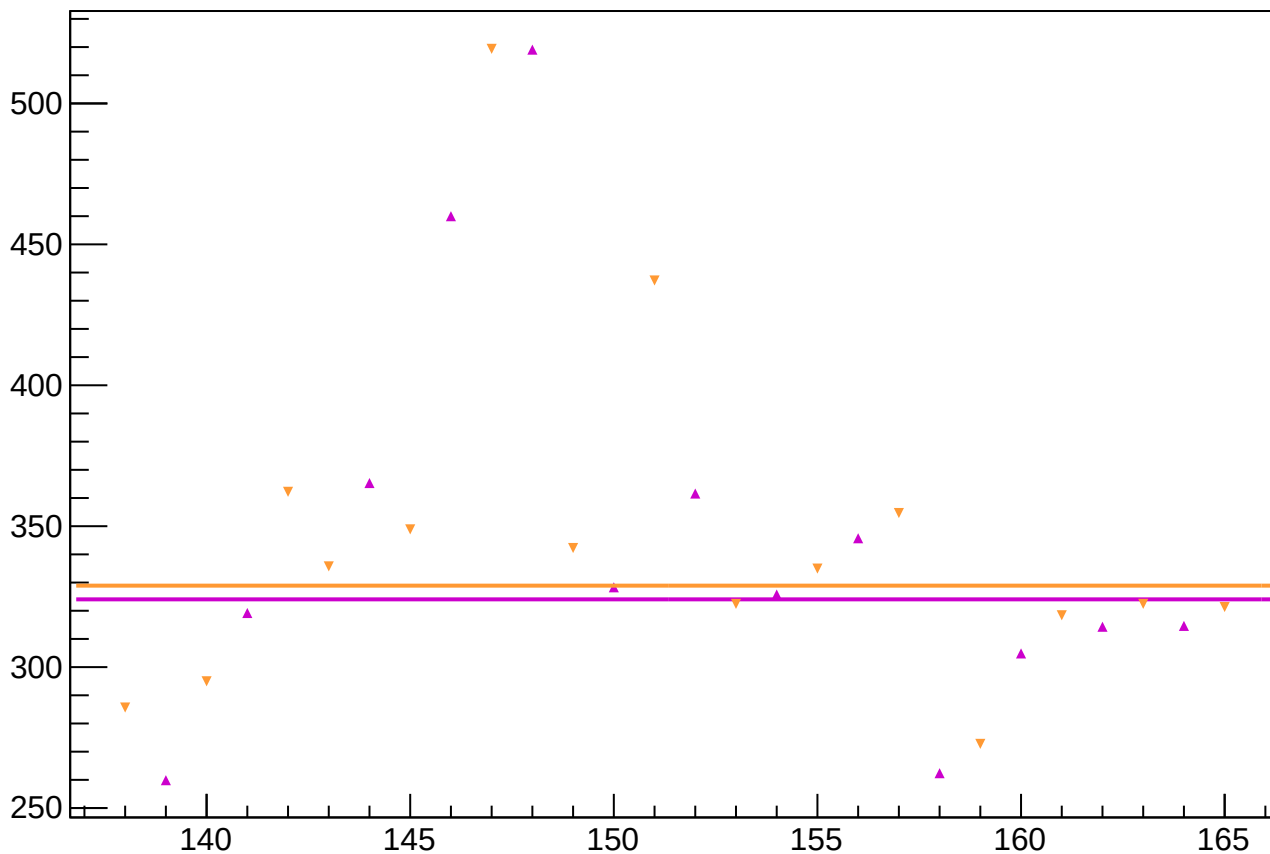
Left In: 127.086 $\pm$ 102.605 χ^2 /NDF:25.4/12

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

All: 54.695 $\pm$ 71.533 χ^2 /NDF: 43.9/27

- 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: 328.909+/-0.071 χ^2/NDF : 452086.1/14

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

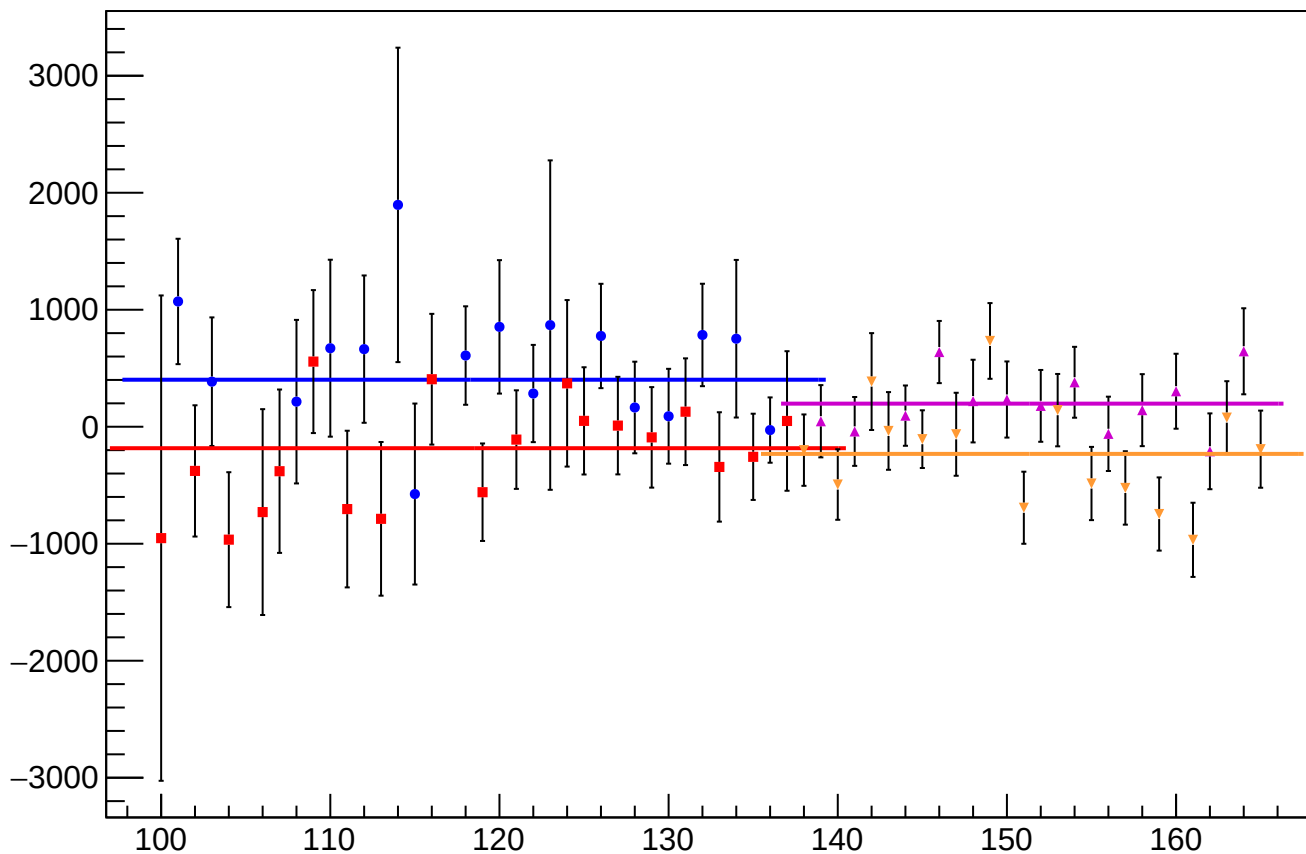
Left In: 324.044+/-0.073 χ^2/NDF : 592616.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 326.545+/-0.051 χ^2/NDF : 1047013.8/27

- 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: -232.105 $\pm$ 81.208 χ^2 /NDF:27.0/14

Right Out: -183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

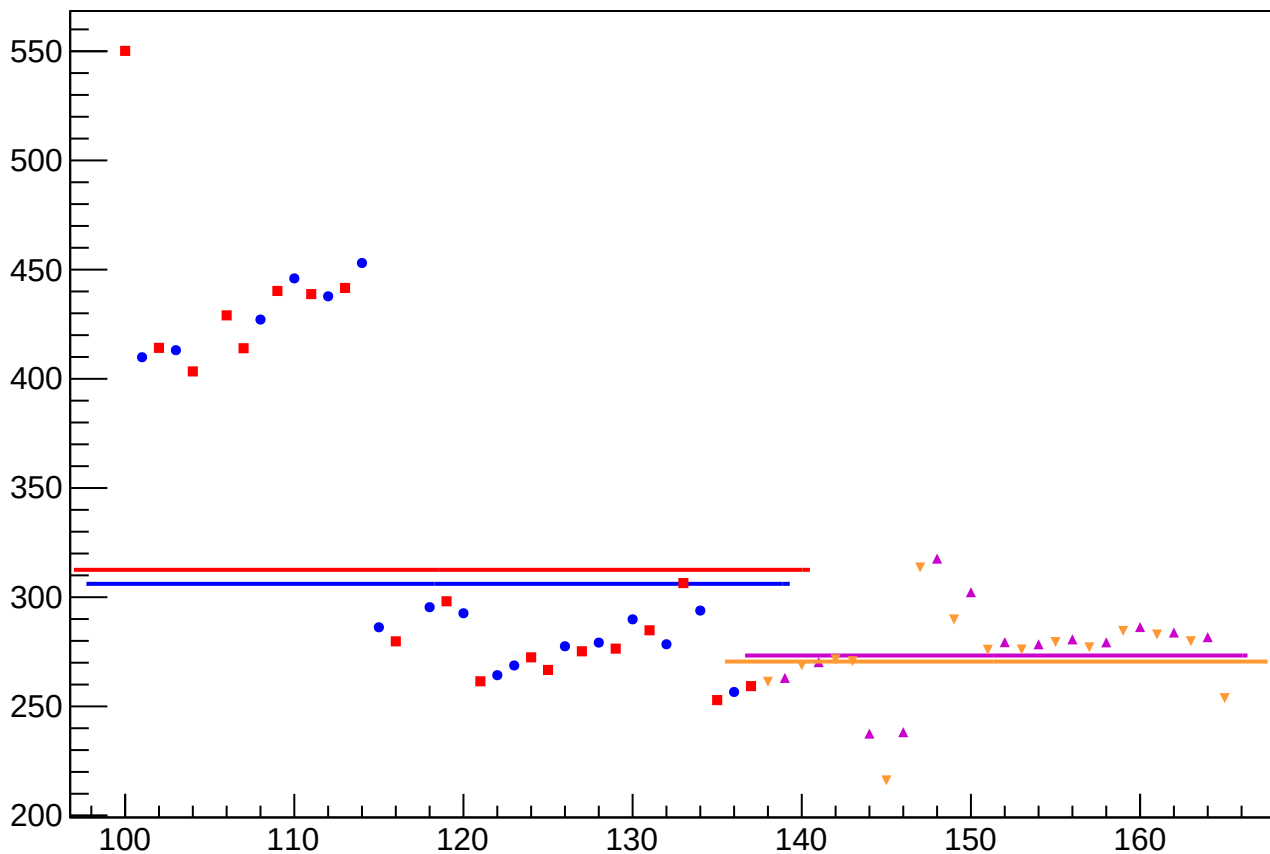
Left In: 197.383 $\pm$ 85.328 χ^2 /NDF:8.0/12

+ sign -35.331 $\pm$ 67.438 χ^2 /NDF: 56.8/31

All: 15.649 $\pm$ 48.434 χ^2 /NDF: 82.1/63

- sign 69.959 $\pm$ 69.605 χ^2 /NDF: 24.1/31

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 270.534+/-0.057 χ^2/NDF :153609.3/14

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

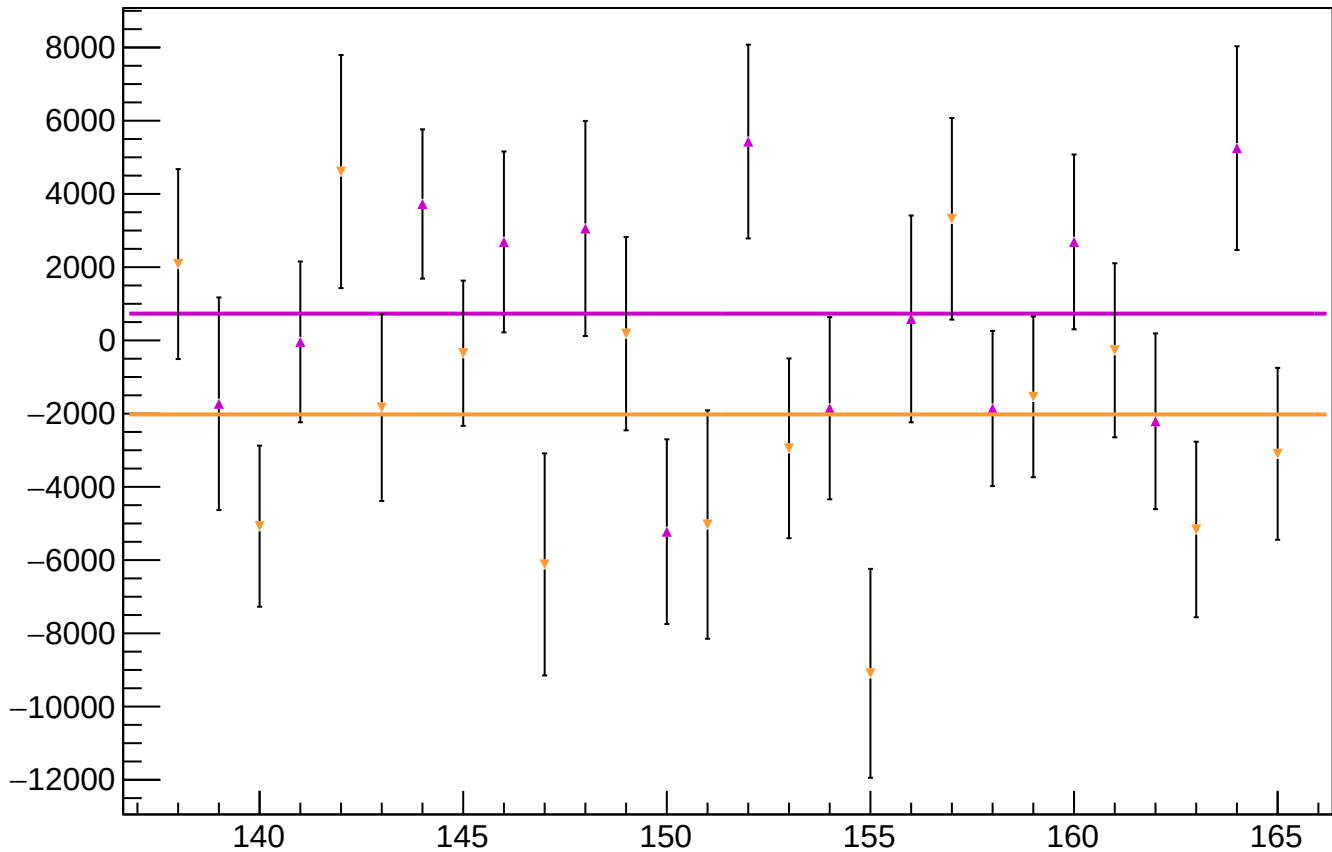
Left In: 273.298+/-0.060 χ^2/NDF :132962.6/12

+ sign 281.580+/-0.048 χ^2/NDF : 781272.8/31

All: 283.927+/-0.034 χ^2/NDF : 1686552.8/63

- sign 286.428+/-0.049 χ^2/NDF : 900276.2/31

asym_sam2_correction_mean vs Slug



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

Left Out: -2021.521+/-648.503 χ^2/NDF : 25.5/14

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

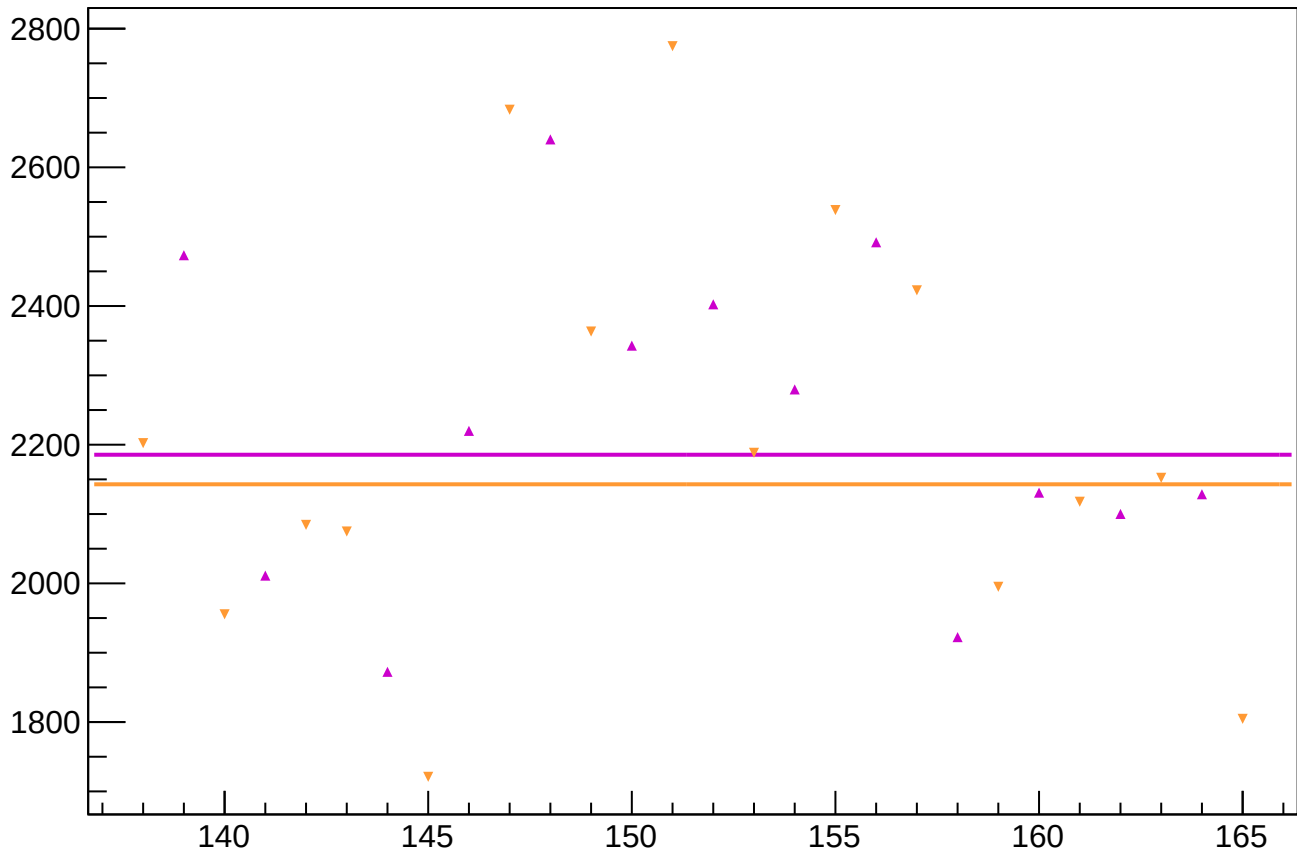
Left In: 731.168+/-684.454 χ^2/NDF : 20.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -719.365+/-470.757 χ^2/NDF : 54.4/27

- 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: 2142.899+/-0.459 χ^2/NDF : 378263.8/14

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

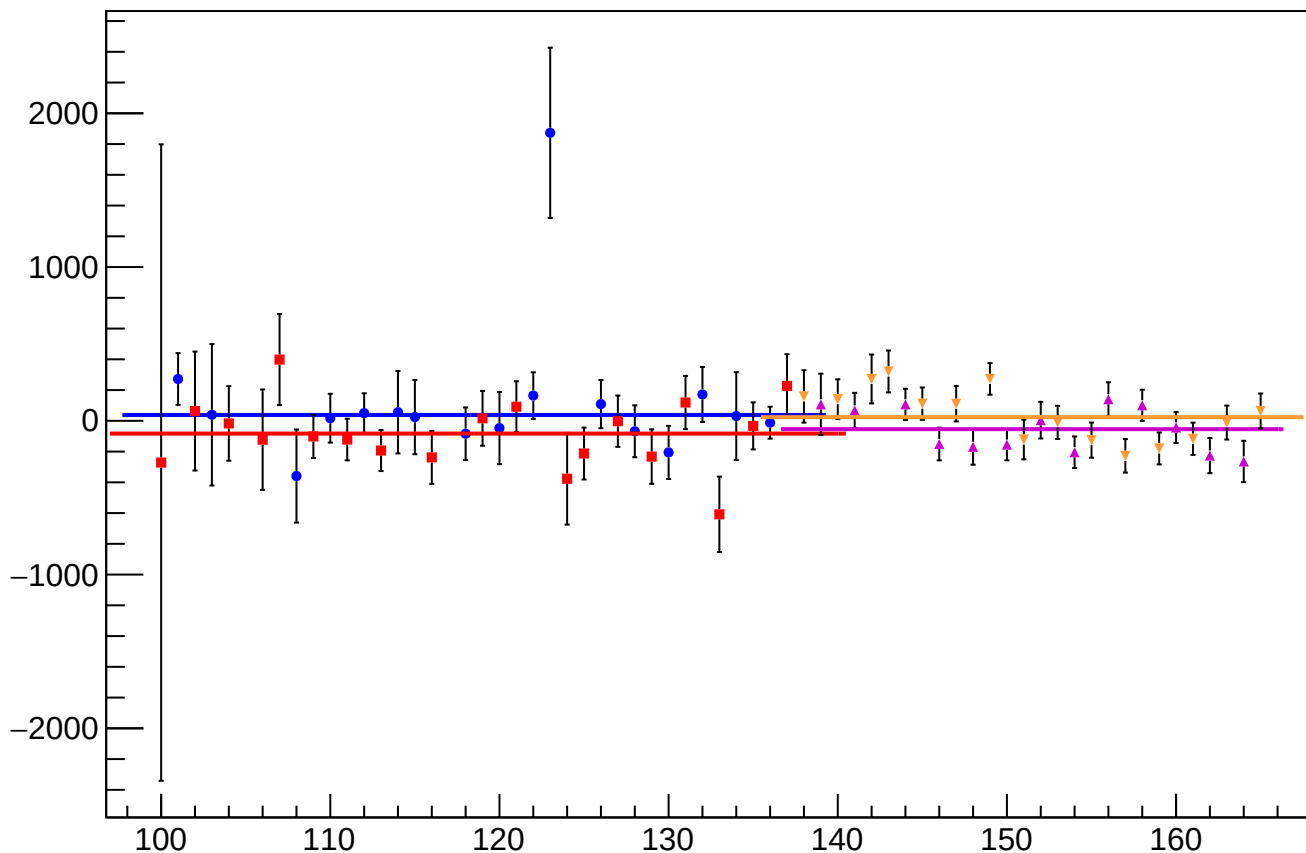
Left In: 2185.517+/-0.484 χ^2/NDF : 210642.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2163.059+/-0.333 χ^2/NDF : 592992.5/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_mean vs Slug



Right In: 38.126 ± 43.548 χ^2/NDF : 19.4/16

Left Out: 23.712 ± 30.167 χ^2/NDF : 30.0/14

Right Out: -83.101 ± 43.098 χ^2/NDF : 16.7/18

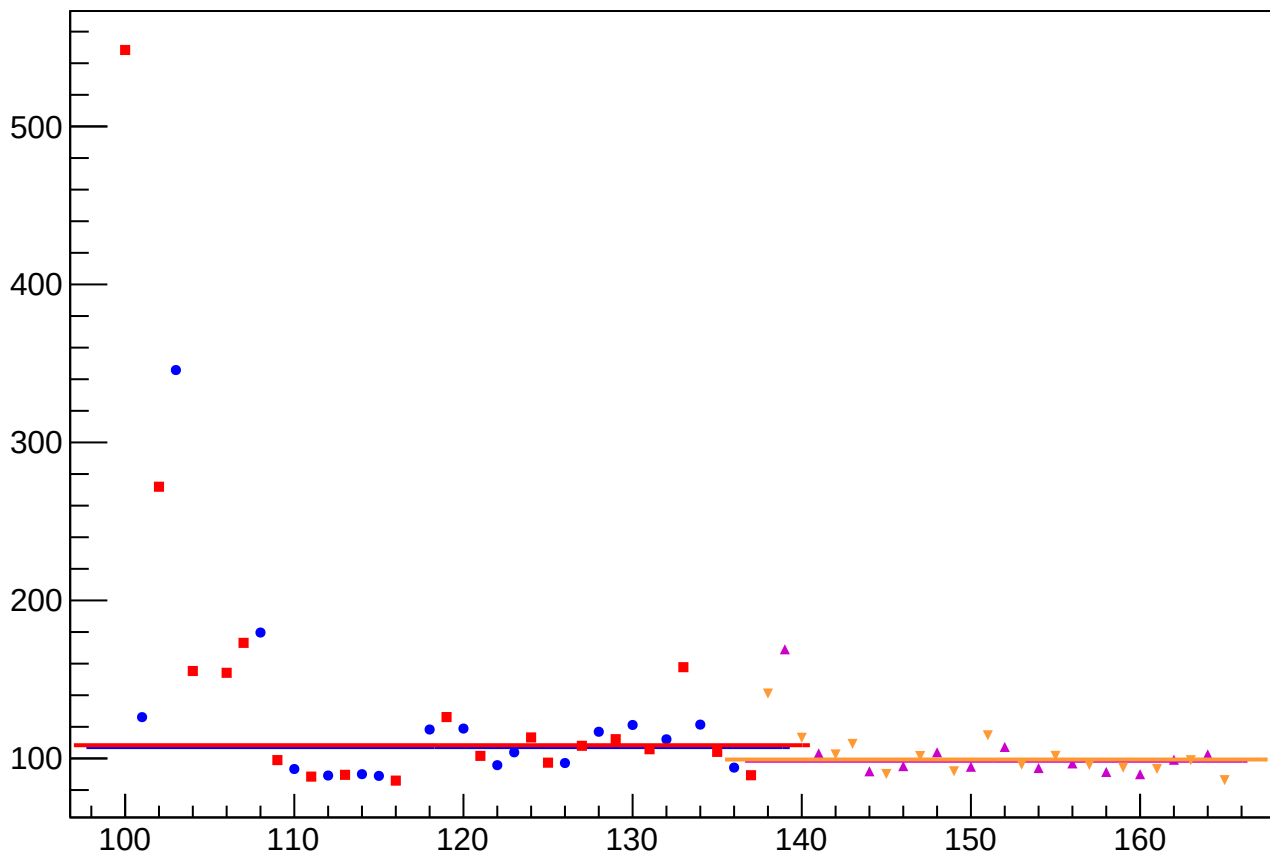
Left In: -54.327 ± 31.109 χ^2/NDF : 19.7/12

+ sign 28.386 ± 24.798 χ^2/NDF : 49.5/31

All: -17.110 ± 17.684 χ^2/NDF : 93.1/63

- sign -64.184 ± 25.224 χ^2/NDF : 36.7/31

reg_asym_sam3_rms vs Slug



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 99.318+/-0.021 χ^2/NDF : 251370.8/14

Right Out: 108.359+/-0.030 χ^2/NDF : 917287.7/18

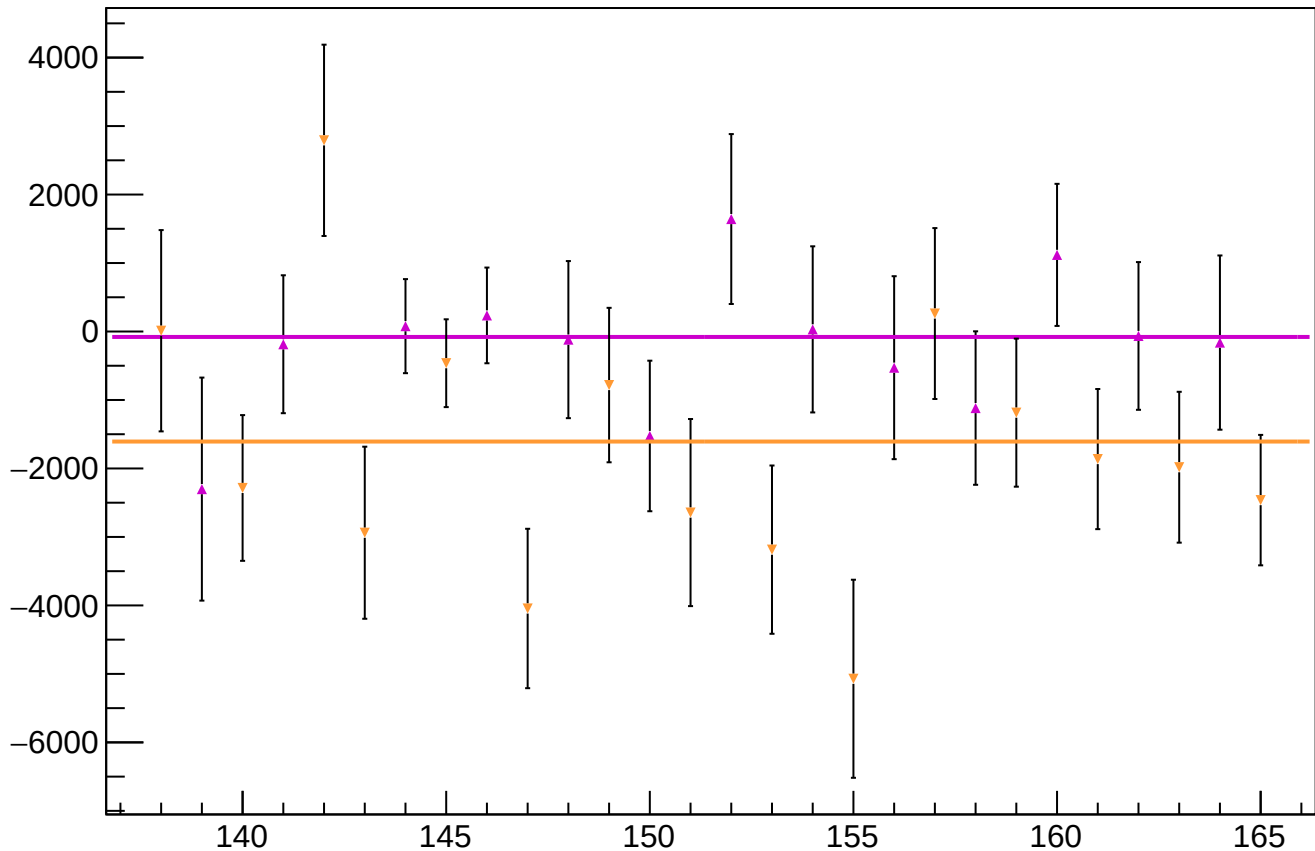
Left In: 98.537+/-0.022 χ^2/NDF : 312740.3/12

+ sign 101.871+/-0.018 χ^2/NDF : 1138631.6/31

All: 101.886+/-0.013 χ^2/NDF : 2436950.8/63

- sign 101.902+/-0.018 χ^2/NDF : 1298317.6/31

asym_sam3_correction_mean vs Slug



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

Left Out: -1606.889 $\pm$ 282.781 χ^2 /NDF:32.1/14

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

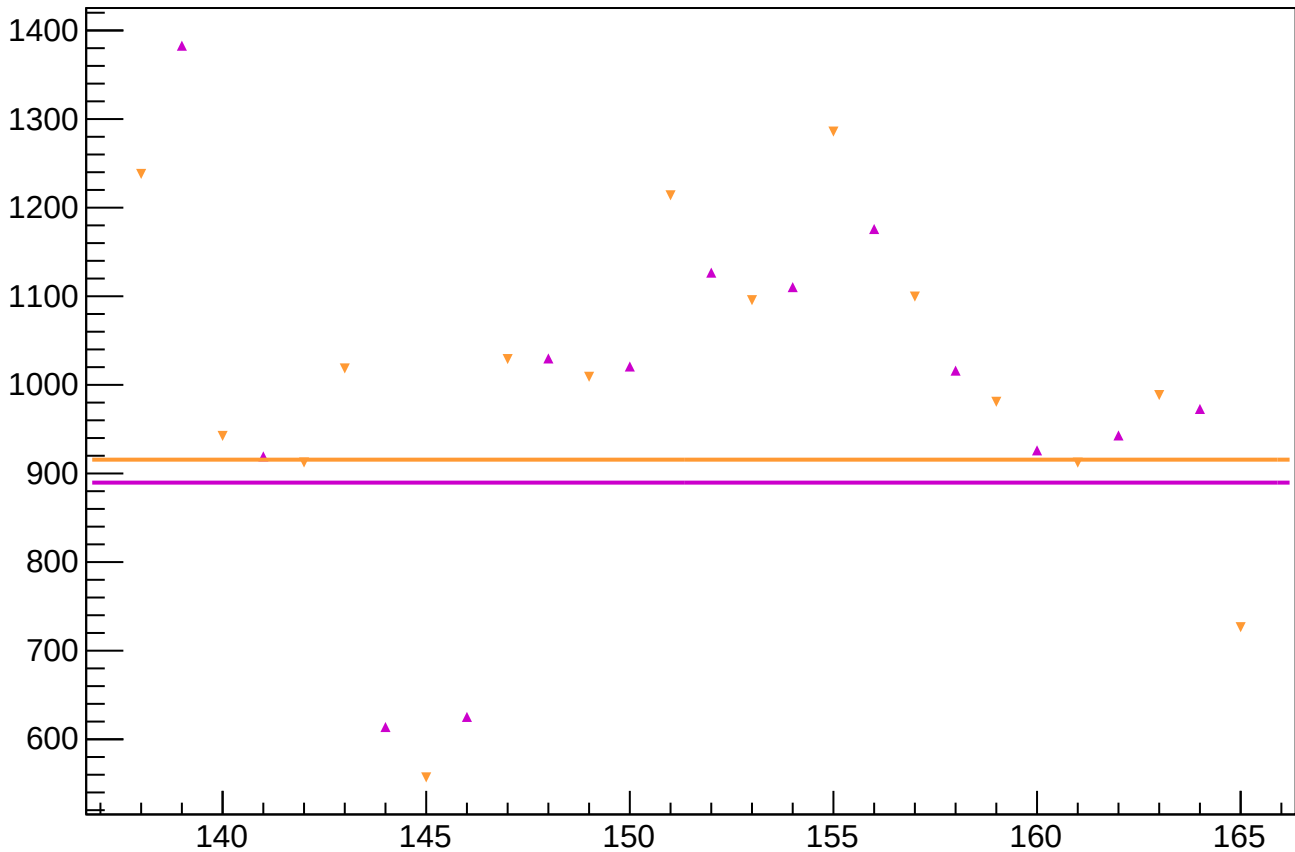
Left In: -79.447 $\pm$ 286.165 χ^2 /NDF:8.1/12

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

All: -852.253 $\pm$ 201.142 χ^2 /NDF: 54.6/27

- sign 0.000 $\pm$ 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: 915.595+/-0.200 χ^2/NDF : 1177241.4/14

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

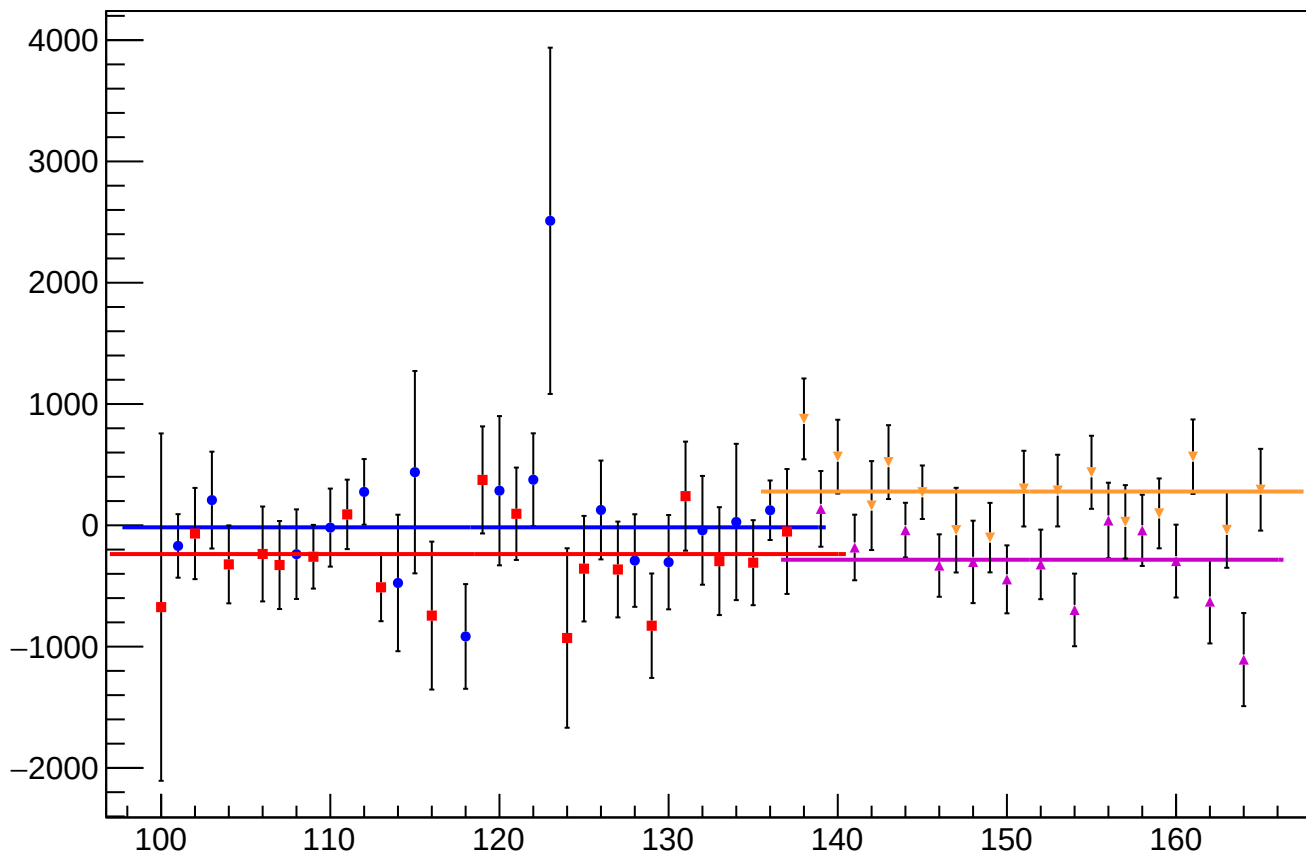
Left In: 889.676+/-0.202 χ^2/NDF : 1124674.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 902.790+/-0.142 χ^2/NDF : 2310216.3/27

- 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: 278.682 ± 78.012 χ^2/NDF : 10.7/14

Right Out: -236.984 ± 88.937 χ^2/NDF : 10.3/18

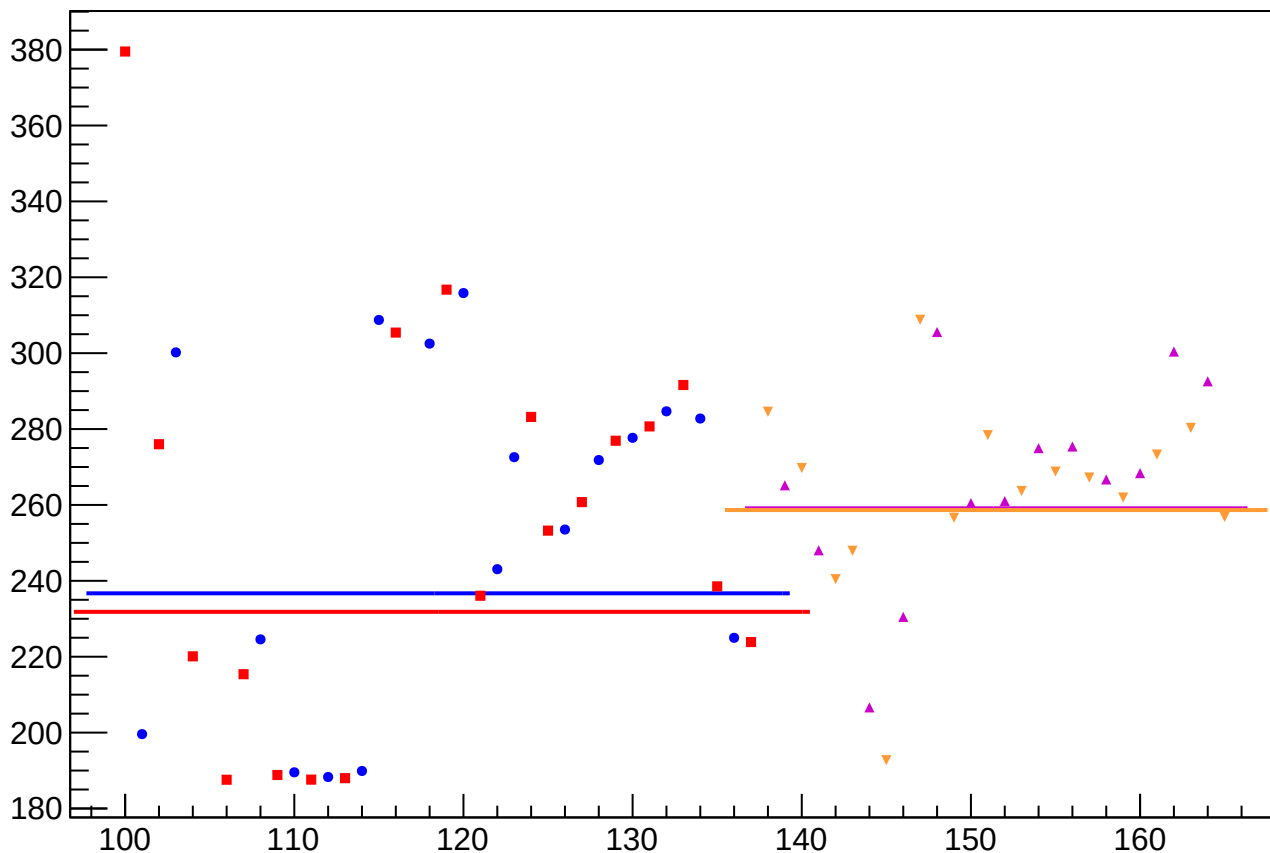
Left In: -283.734 ± 81.218 χ^2/NDF : 12.8/12

+ sign 157.218 ± 59.844 χ^2/NDF : 30.0/31

All: -52.173 ± 42.362 χ^2/NDF : 77.8/63

- sign -262.475 ± 59.974 χ^2/NDF : 23.3/31

reg_asym_sam4_rms vs Slug



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 258.655 $\pm$ 0.055 χ^2 /NDF: 269078.5/14

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

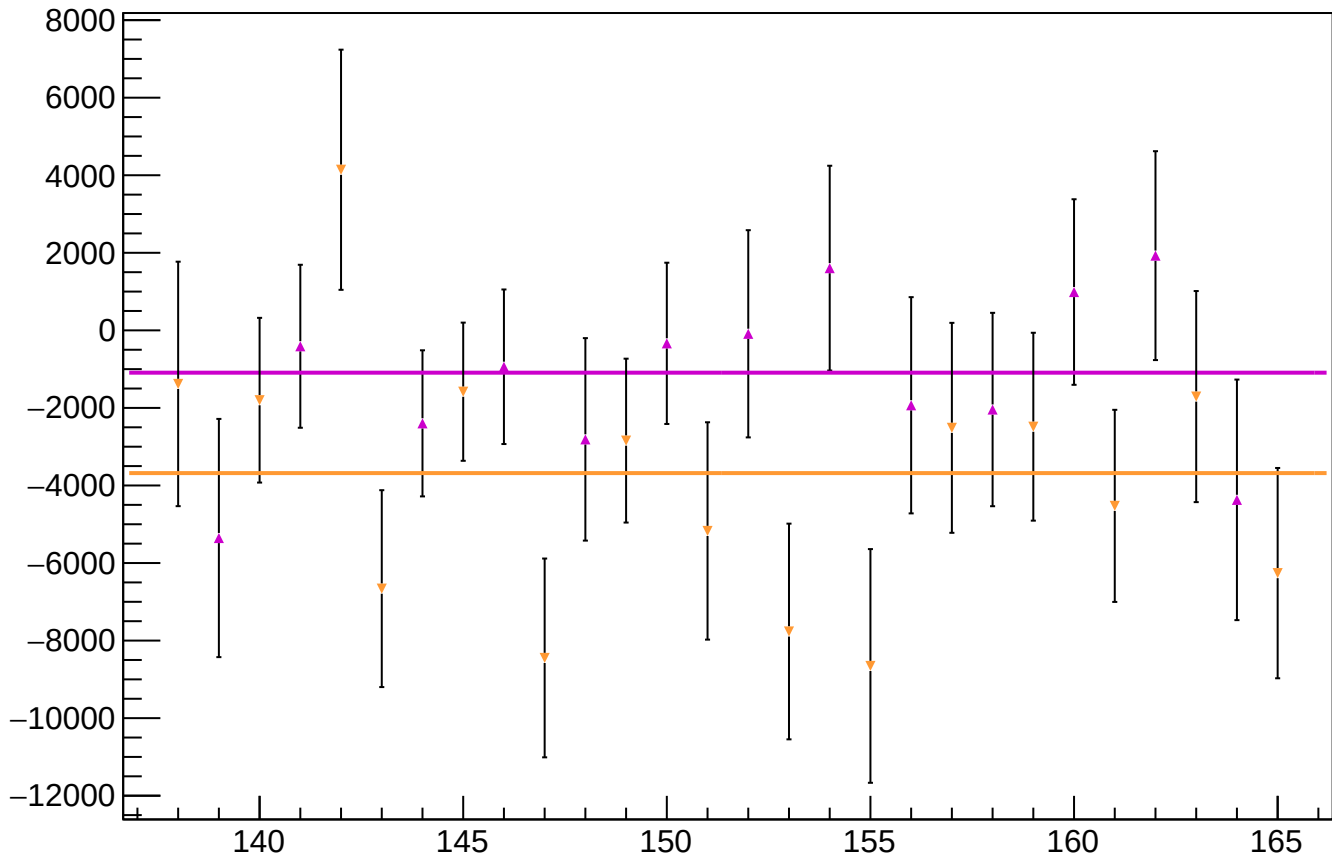
Left In: 259.113 $\pm$ 0.057 χ^2 /NDF: 232866.5/12

+ sign 249.622 $\pm$ 0.042 χ^2 /NDF: 724580.2/31

All: 248.167 $\pm$ 0.030 χ^2 /NDF: 1505729.2/63

- sign 246.706 $\pm$ 0.042 χ^2 /NDF: 778778.6/31

asym_sam4_correction_mean vs Slug



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

Left Out: -3680.764+/-648.121 χ^2/NDF : 21.2/14

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

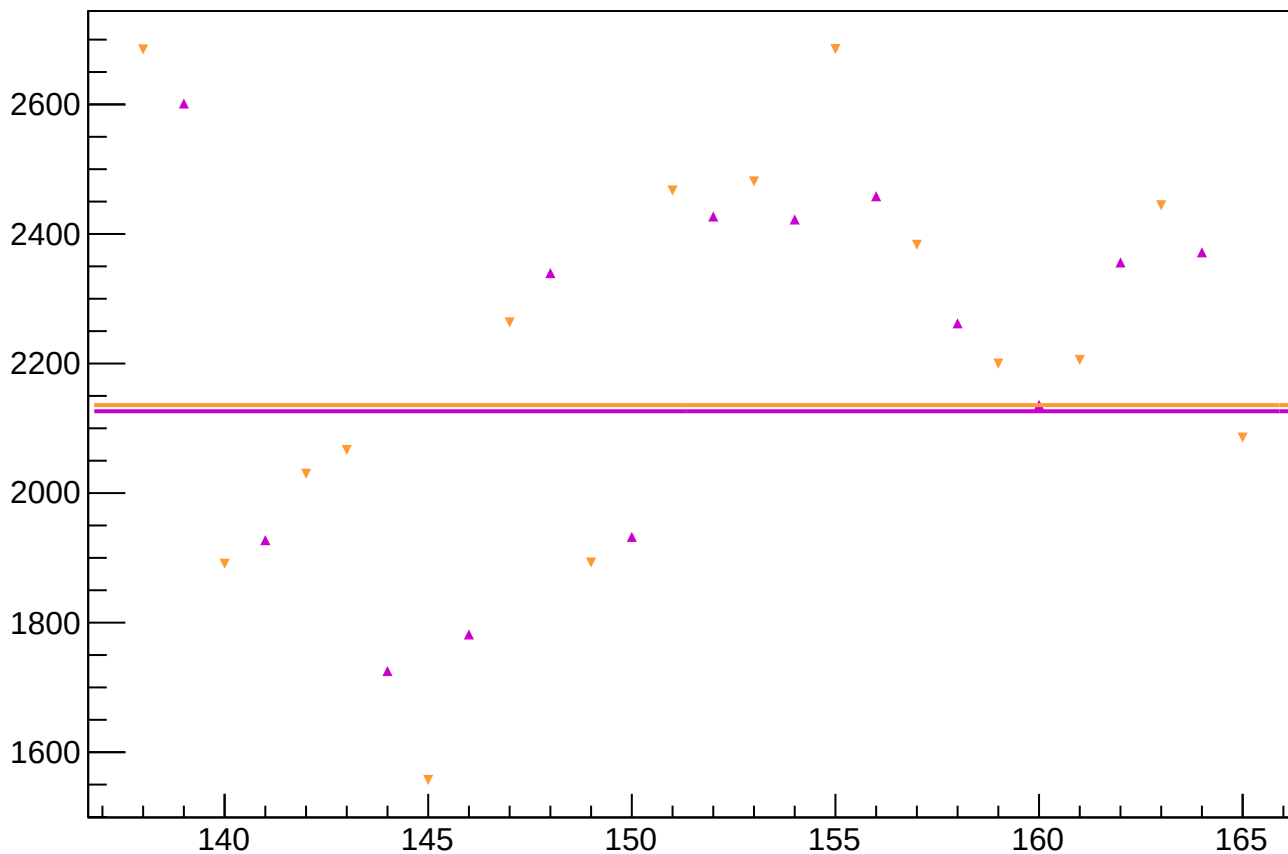
Left In: -1091.395+/-669.116 χ^2/NDF : 7.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2427.338+/-465.536 χ^2/NDF : 36.6/27

- 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: 2135.835+/-0.458 χ^2 /NDF:504884.6/14

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

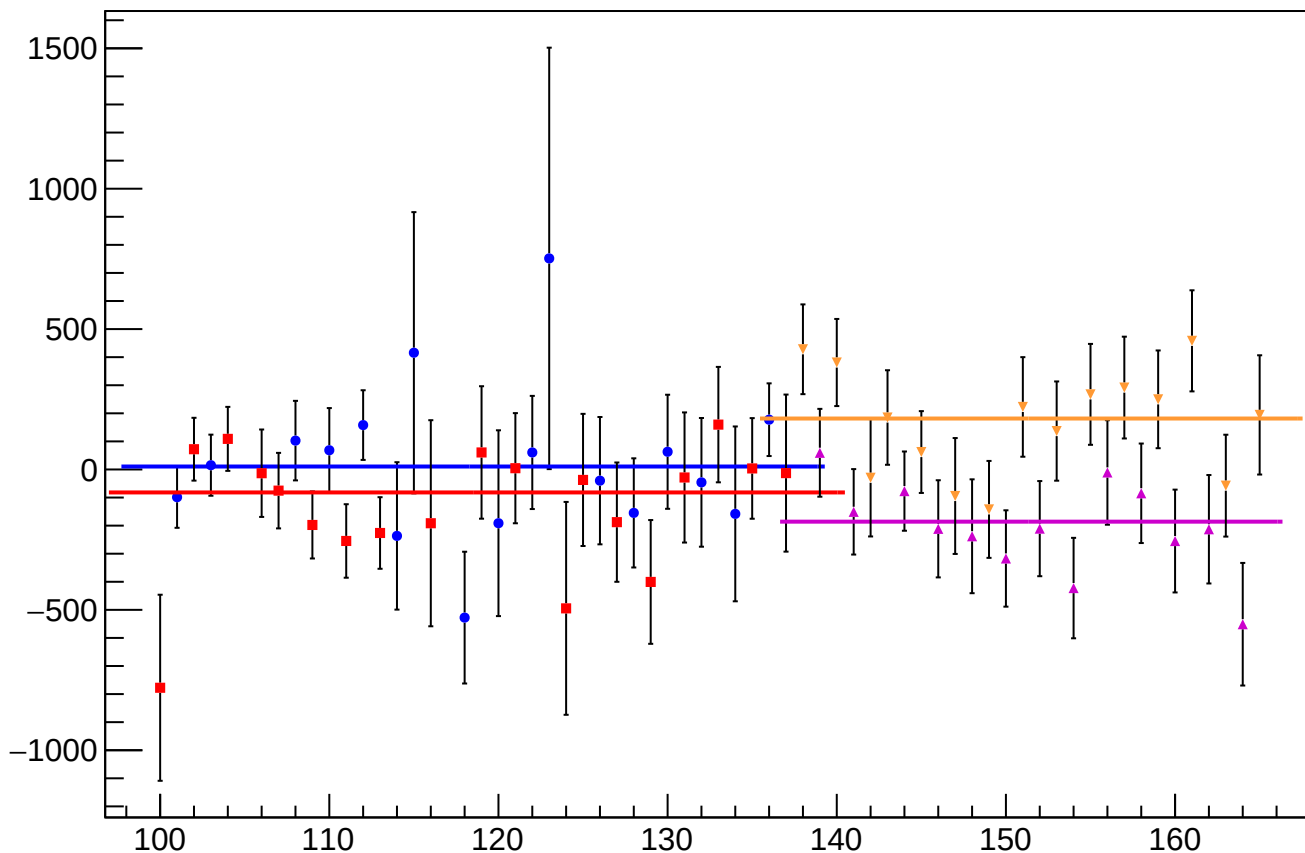
Left In: 2126.348+/-0.473 χ^2 /NDF:358779.7/12

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 2131.243+/-0.329 χ^2 /NDF: 863871.7/27

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 χ^2/NDF : 14.1/16

Left Out: 181.447 ± 45.427 χ^2/NDF : 16.0/14

Right Out: -81.802 ± 38.985 χ^2/NDF : 19.2/18

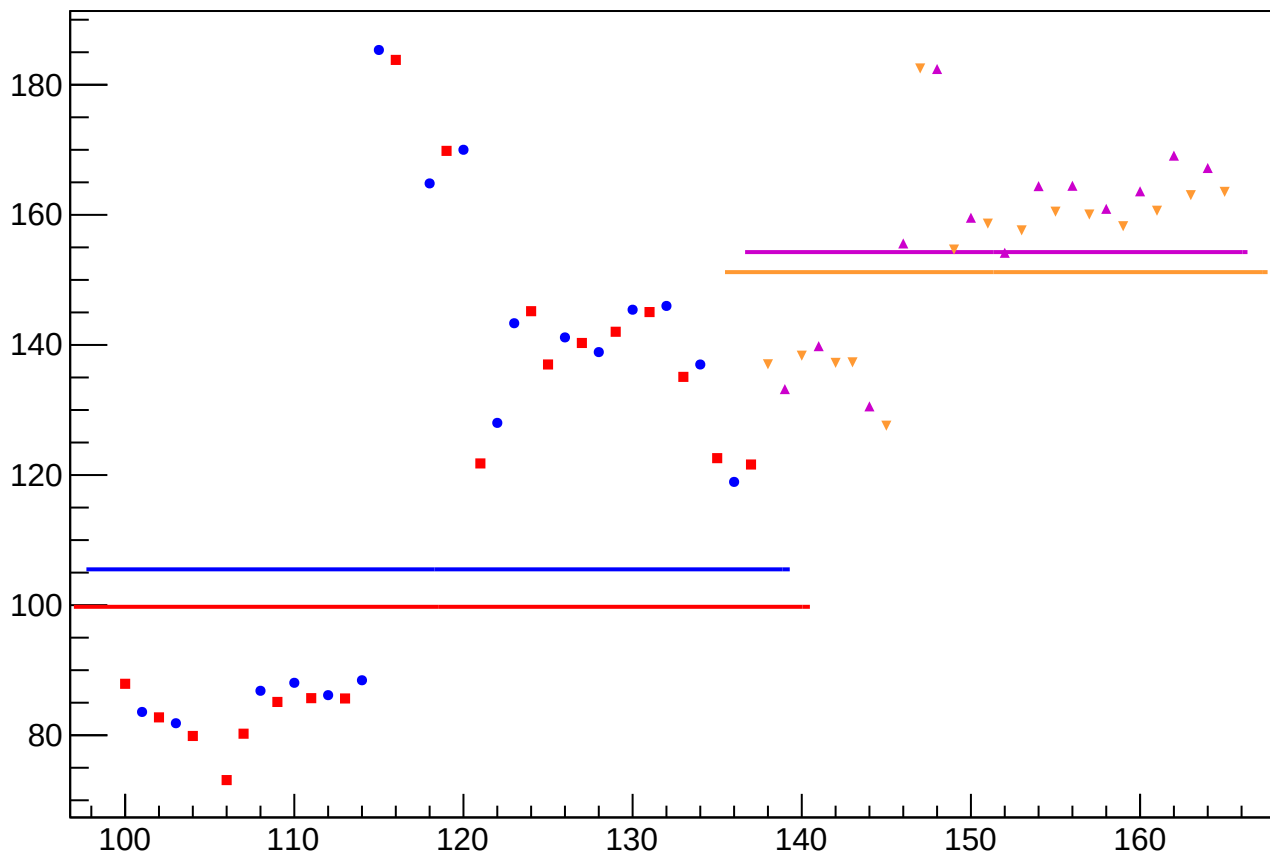
Left In: -185.877 ± 48.205 χ^2/NDF : 9.7/12

+ sign 89.893 ± 30.955 χ^2/NDF : 37.6/31

All: -18.762 ± 21.658 χ^2/NDF : 93.5/63

- sign -122.955 ± 30.313 χ^2/NDF : 31.7/31

reg_asym_sam5_rms vs Slug



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 151.197 $\pm$ 0.032 χ^2 /NDF: 191581.5/14

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

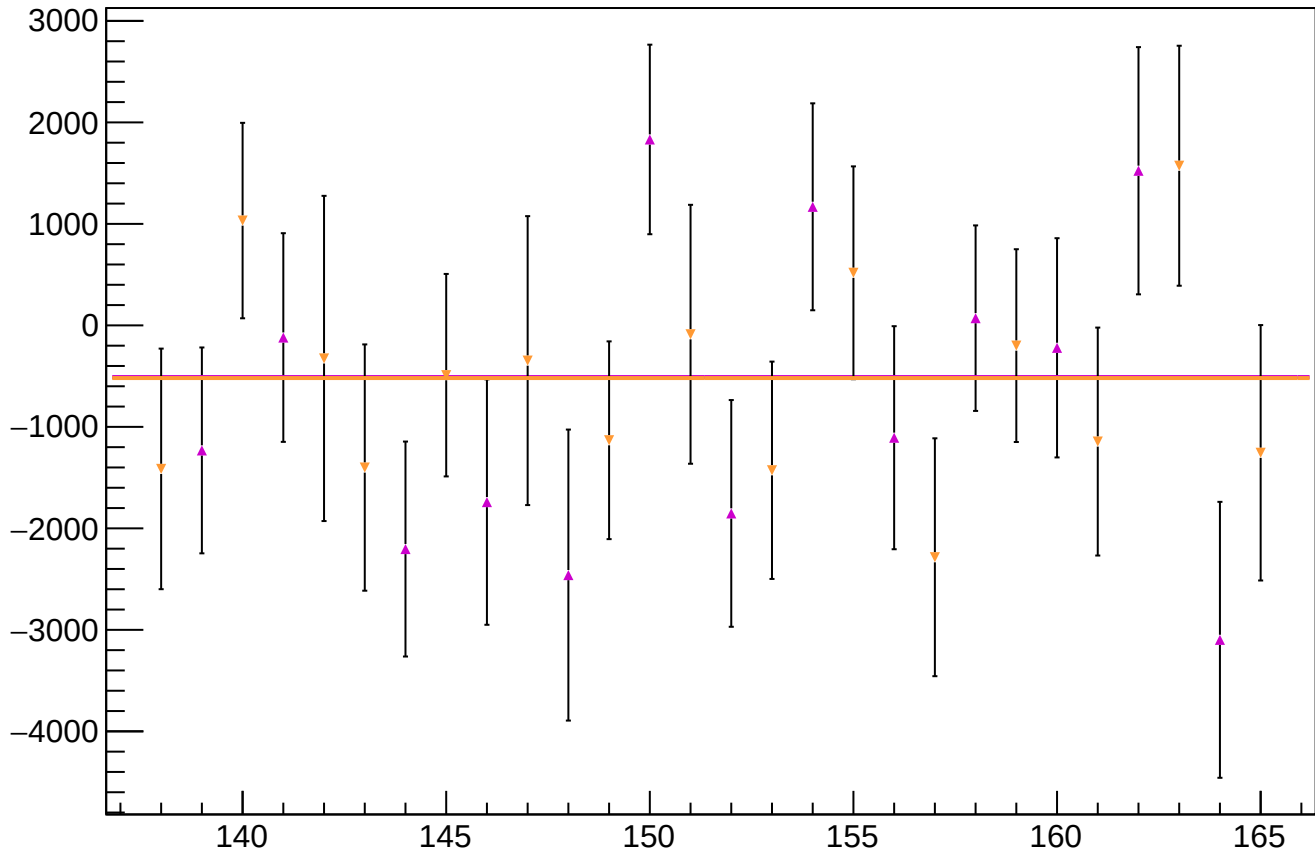
Left In: 154.276 $\pm$ 0.034 χ^2 /NDF: 190624.4/12

+ sign 126.720 $\pm$ 0.022 χ^2 /NDF: 2144579.4/31

All: 123.957 $\pm$ 0.015 χ^2 /NDF: 4913918.5/63

- sign 121.307 $\pm$ 0.021 χ^2 /NDF: 2738119.9/31

asym_sam5_correction_mean vs Slug



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

Left Out: -518.994+/-291.308 χ^2/NDF :12.1/14

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

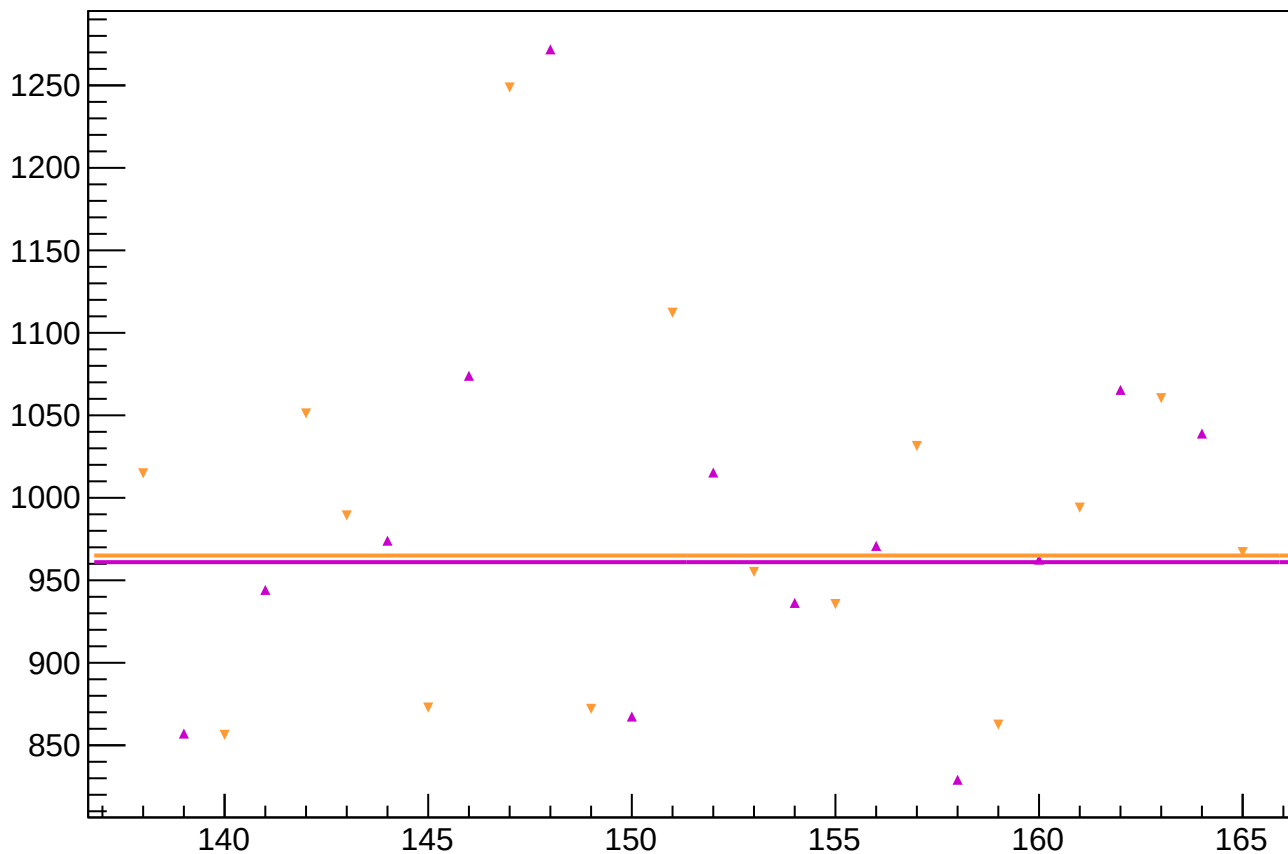
Left In: -509.068+/-301.665 χ^2/NDF :23.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -514.204+/-209.552 χ^2/NDF : 35.8/27

- sign 0.000+/-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: 965.026+/-0.206 χ^2/NDF : 222769.3/14

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

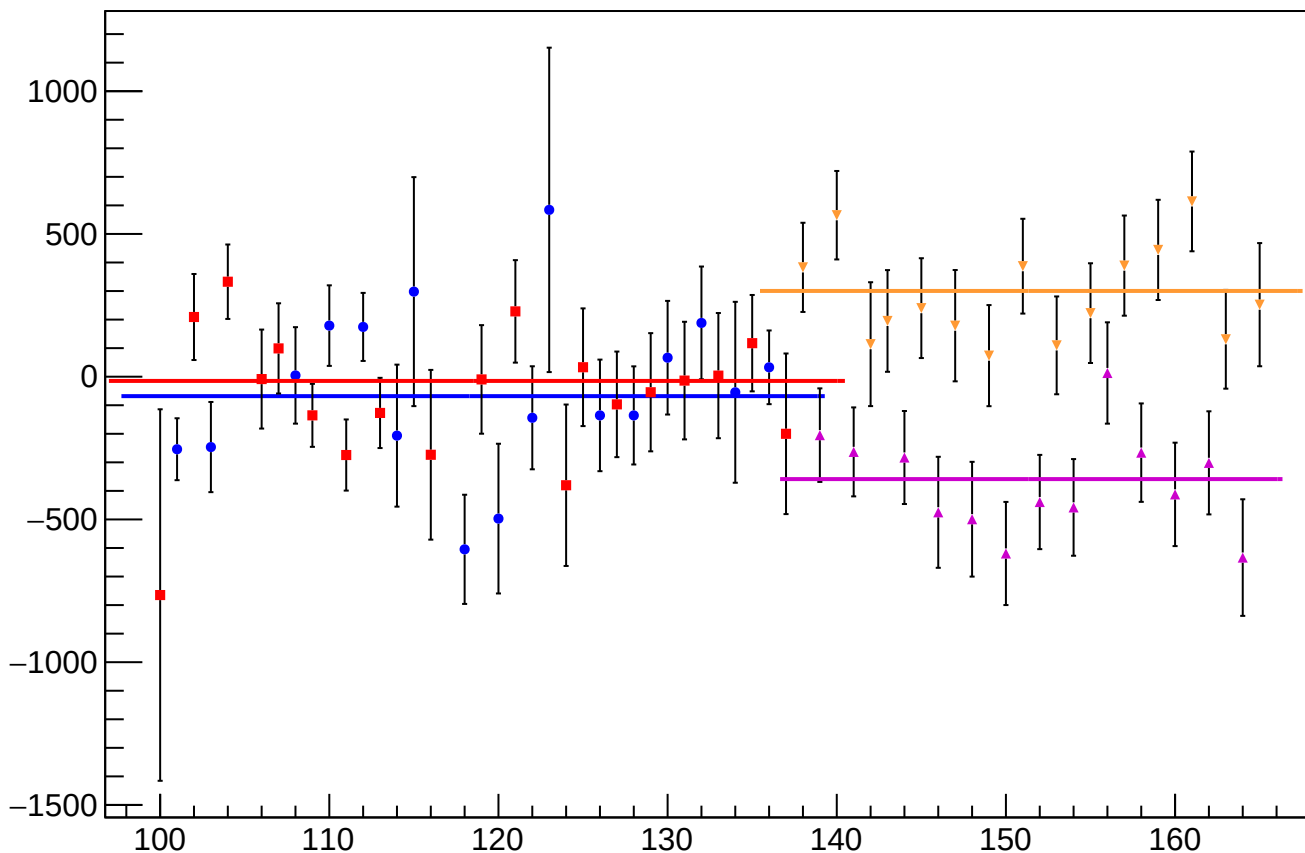
Left In: 961.000+/-0.213 χ^2/NDF : 222387.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 963.083+/-0.148 χ^2/NDF : 445341.4/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 300.362 ± 45.541 χ^2/NDF : 13.3/14

Right Out: -14.800 ± 39.467 χ^2/NDF : 23.1/18

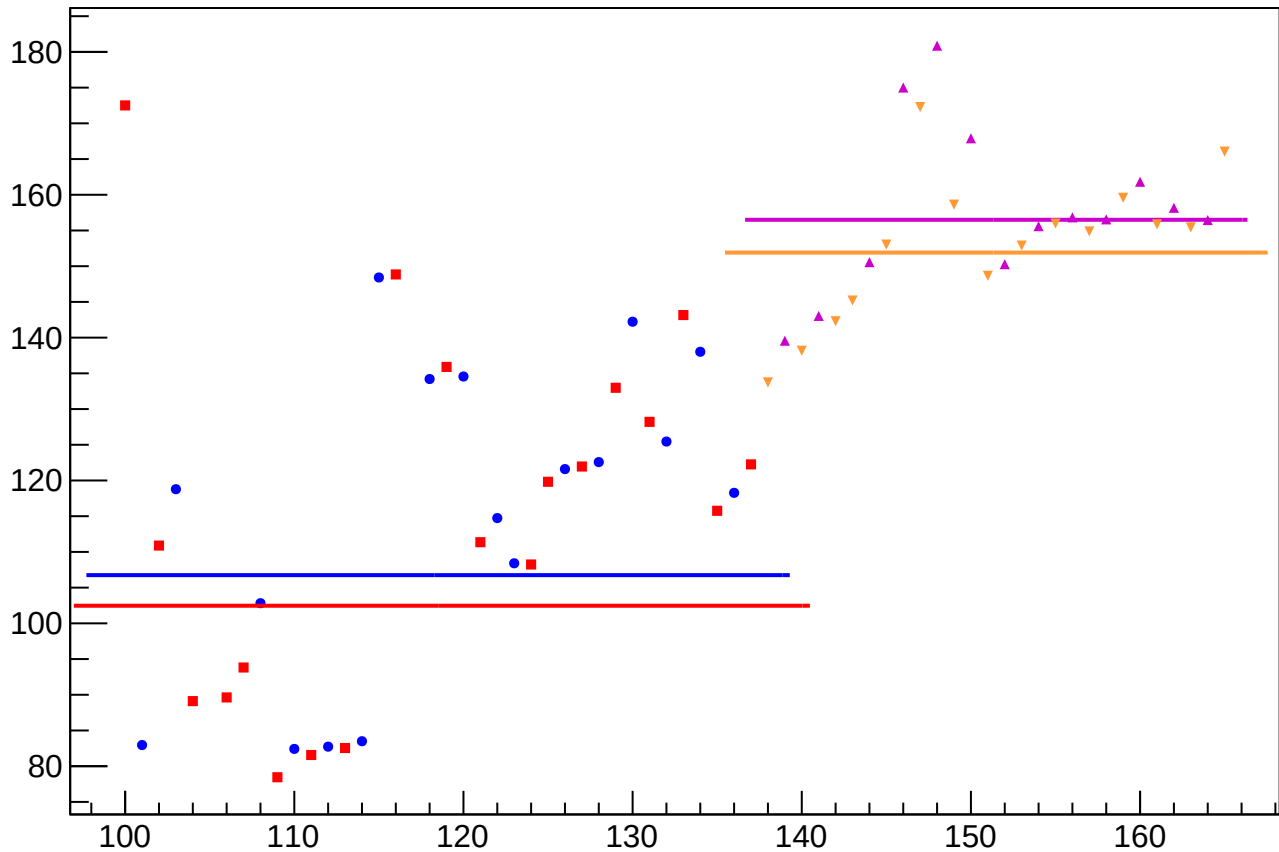
Left In: -358.670 ± 48.788 χ^2/NDF : 11.7/12

+ sign 102.397 ± 30.980 χ^2/NDF : 76.3/31

All: -25.423 ± 21.801 χ^2/NDF : 174.8/63

- sign -150.815 ± 30.684 χ^2/NDF : 64.8/31

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 151.906 $\pm$ 0.032 χ^2 /NDF: 91133.7/14

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

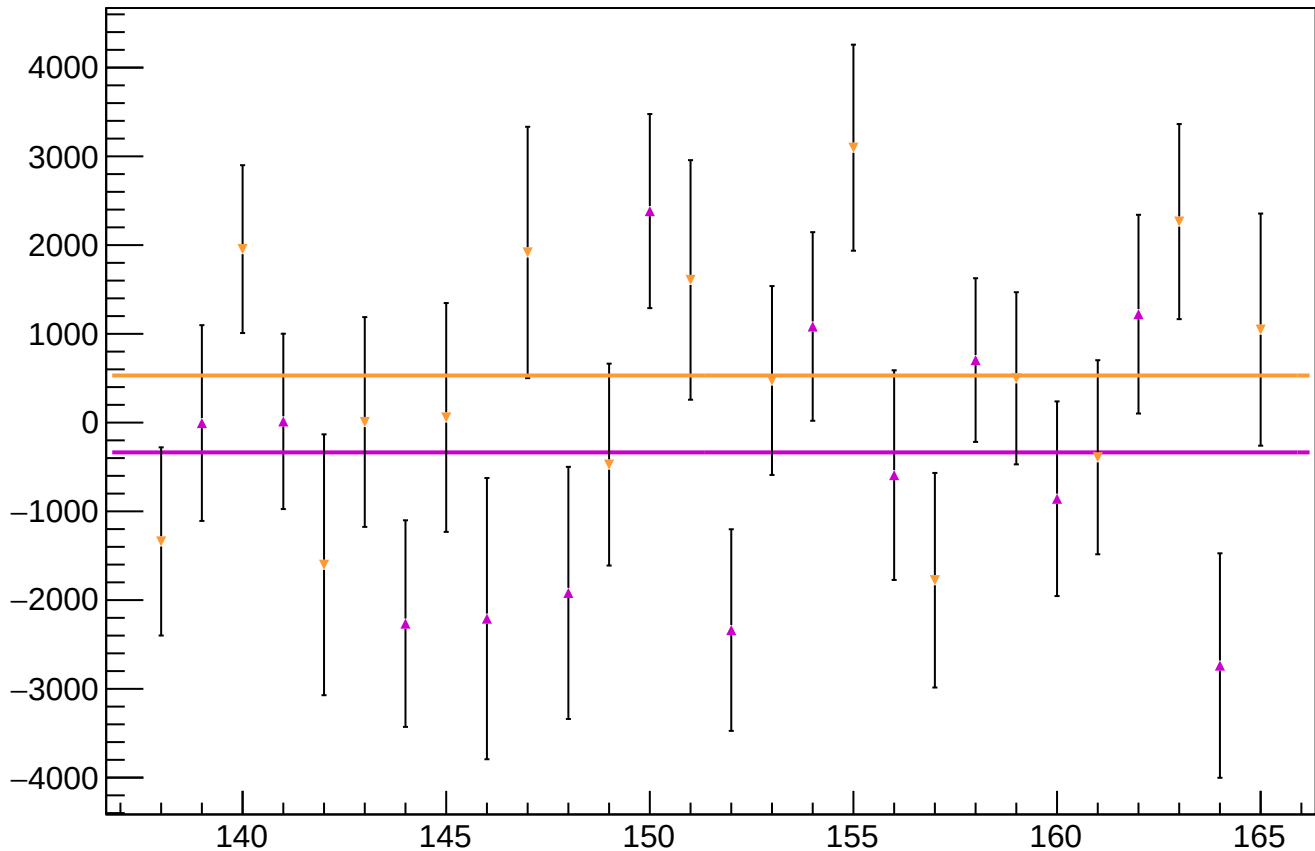
Left In: 156.499 $\pm$ 0.034 χ^2 /NDF: 99244.3/12

+ sign 127.646 $\pm$ 0.022 χ^2 /NDF: 1649331.4/31

All: 125.724 $\pm$ 0.015 χ^2 /NDF: 3835898.9/63

- sign 123.839 $\pm$ 0.022 χ^2 /NDF: 2171324.7/31

asym_sam6_correction_mean vs Slug



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

Left Out: 530.687+/-298.393 χ^2/NDF : 22.1/14

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

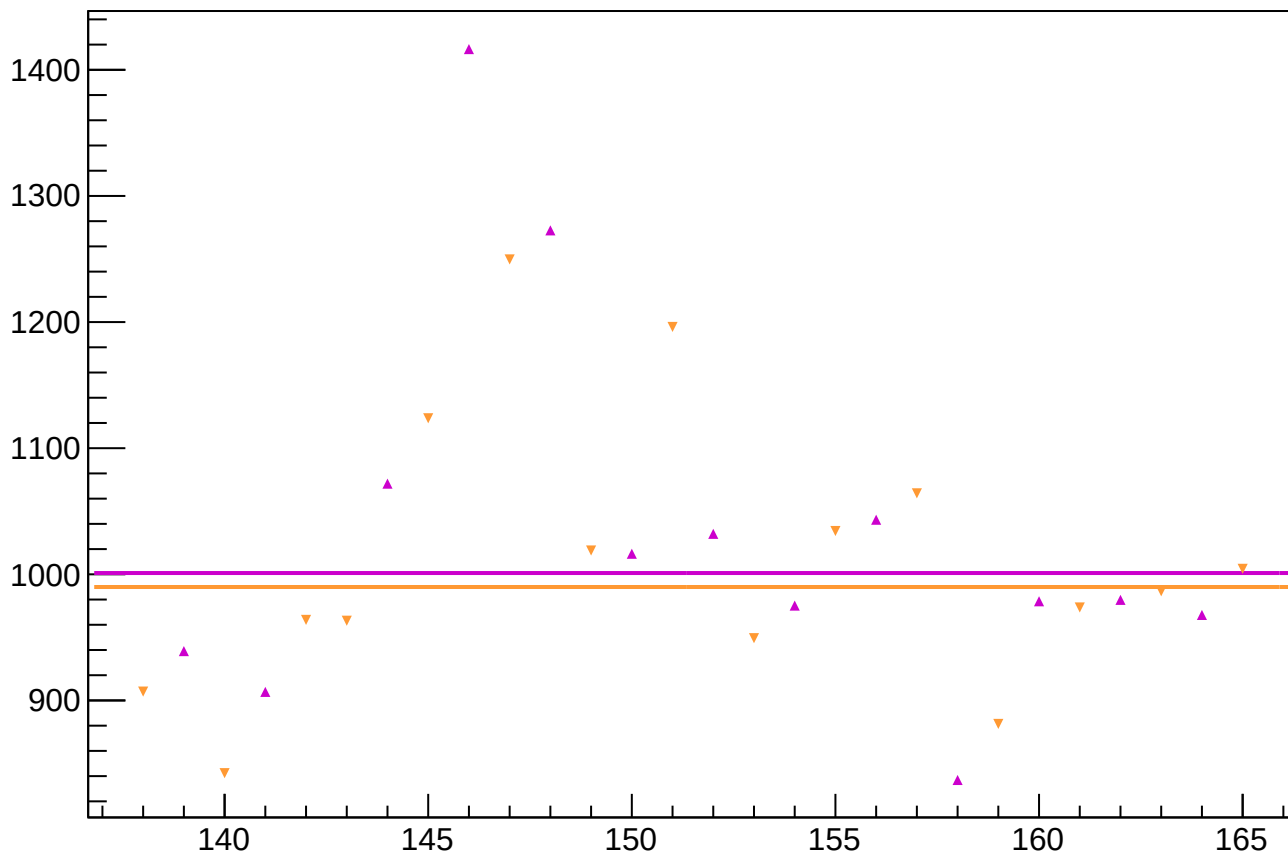
Left In: -335.643+/-314.293 χ^2/NDF : 23.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 119.988+/-216.399 χ^2/NDF : 49.8/27

- 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: 989.944+/-0.211 χ^2/NDF : 238576.1/14

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

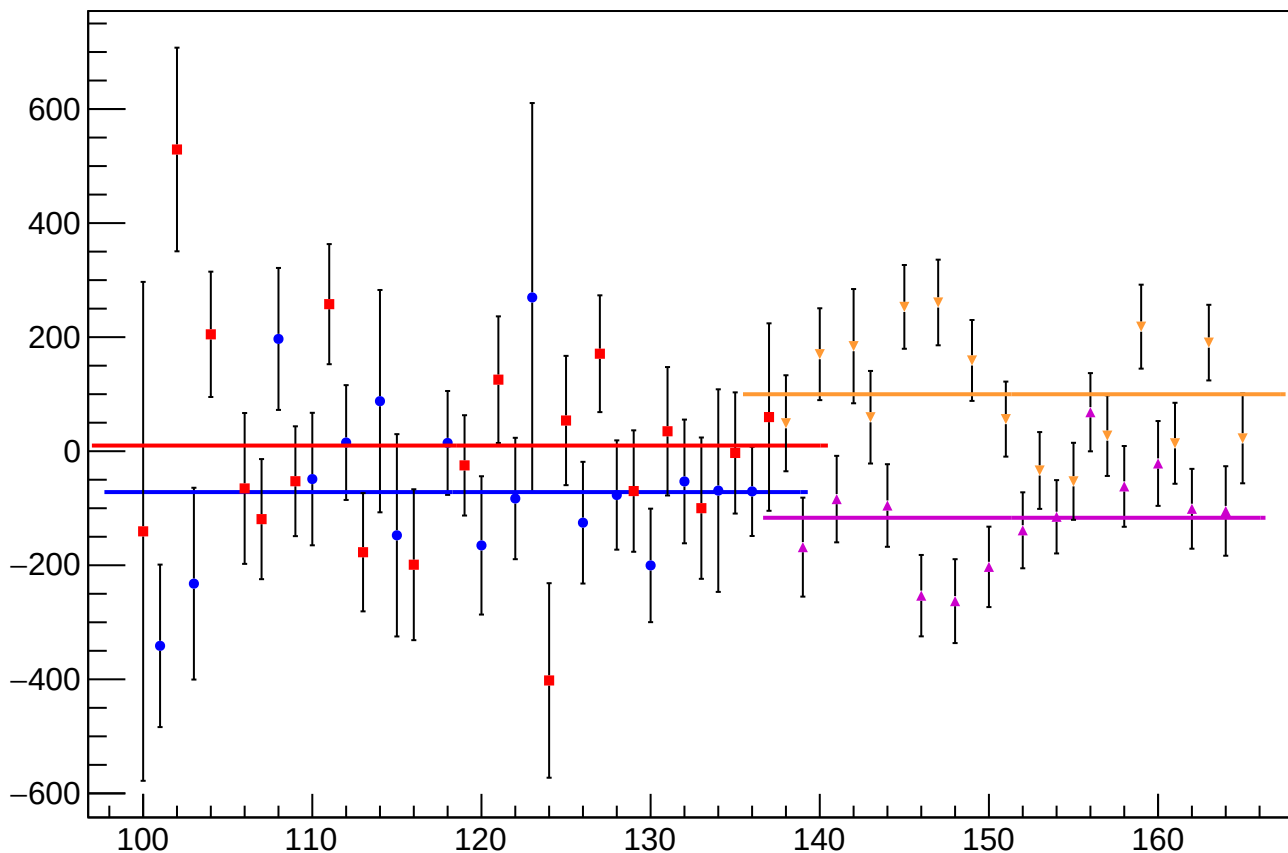
Left In: 1001.025+/-0.222 χ^2/NDF : 314485.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 995.197+/-0.153 χ^2/NDF : 554369.0/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 99.899 ± 19.068 $\chi^2/\text{NDF}: 29.2/14$

Right Out: 9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

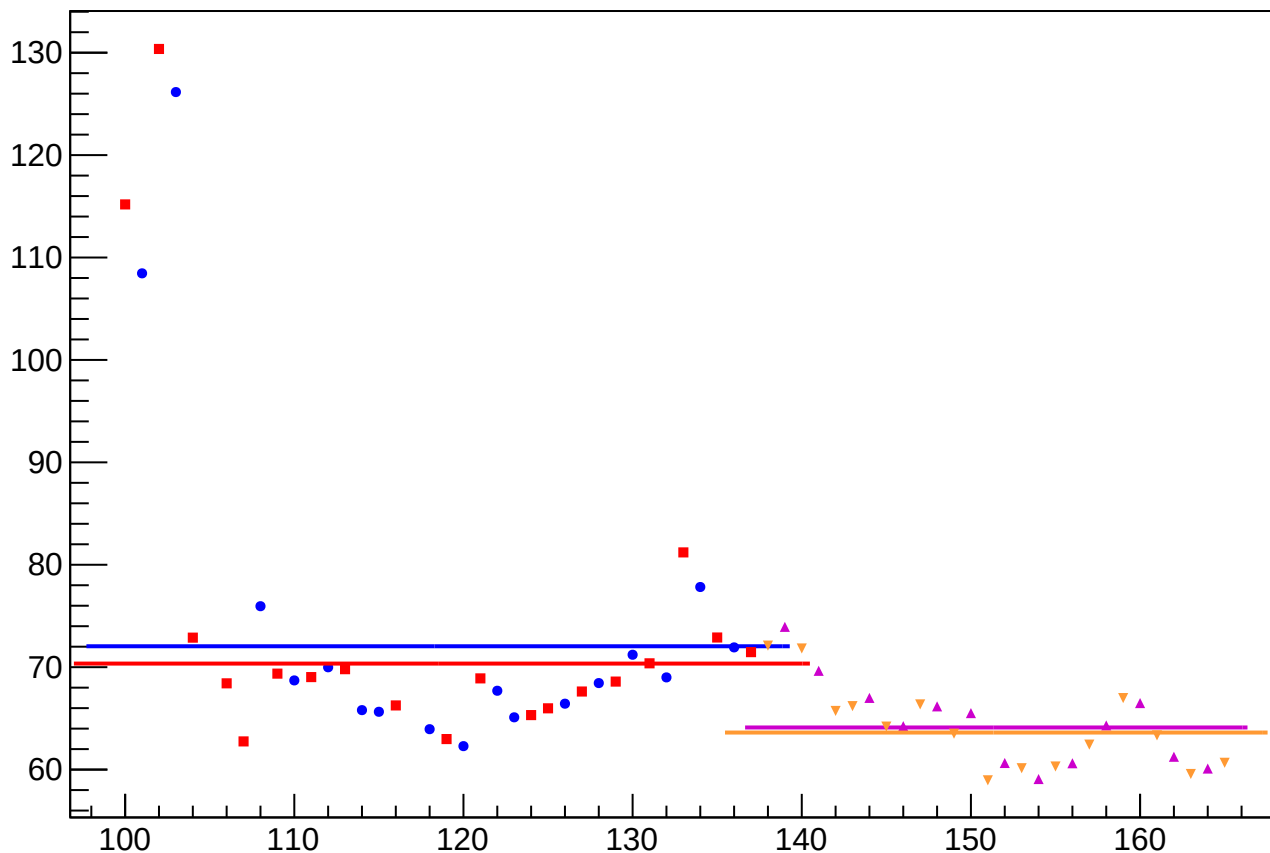
Left In: -116.731 ± 19.975 $\chi^2/\text{NDF}: 19.4/12$

+ sign 46.482 ± 15.823 $\chi^2/\text{NDF}: 69.6/31$

All: -11.799 ± 11.257 $\chi^2/\text{NDF}: 167.3/63$

- sign -71.535 ± 16.019 $\chi^2/\text{NDF}: 70.2/31$

reg_asym_sam7_rms vs Slug



Right In: 72.042+/-0.020 χ^2 /NDF: 391971.7/16

Left Out: 63.617+/-0.013 χ^2 /NDF: 82083.7/14

Right Out: 70.351+/-0.019 χ^2 /NDF: 299005.5/18

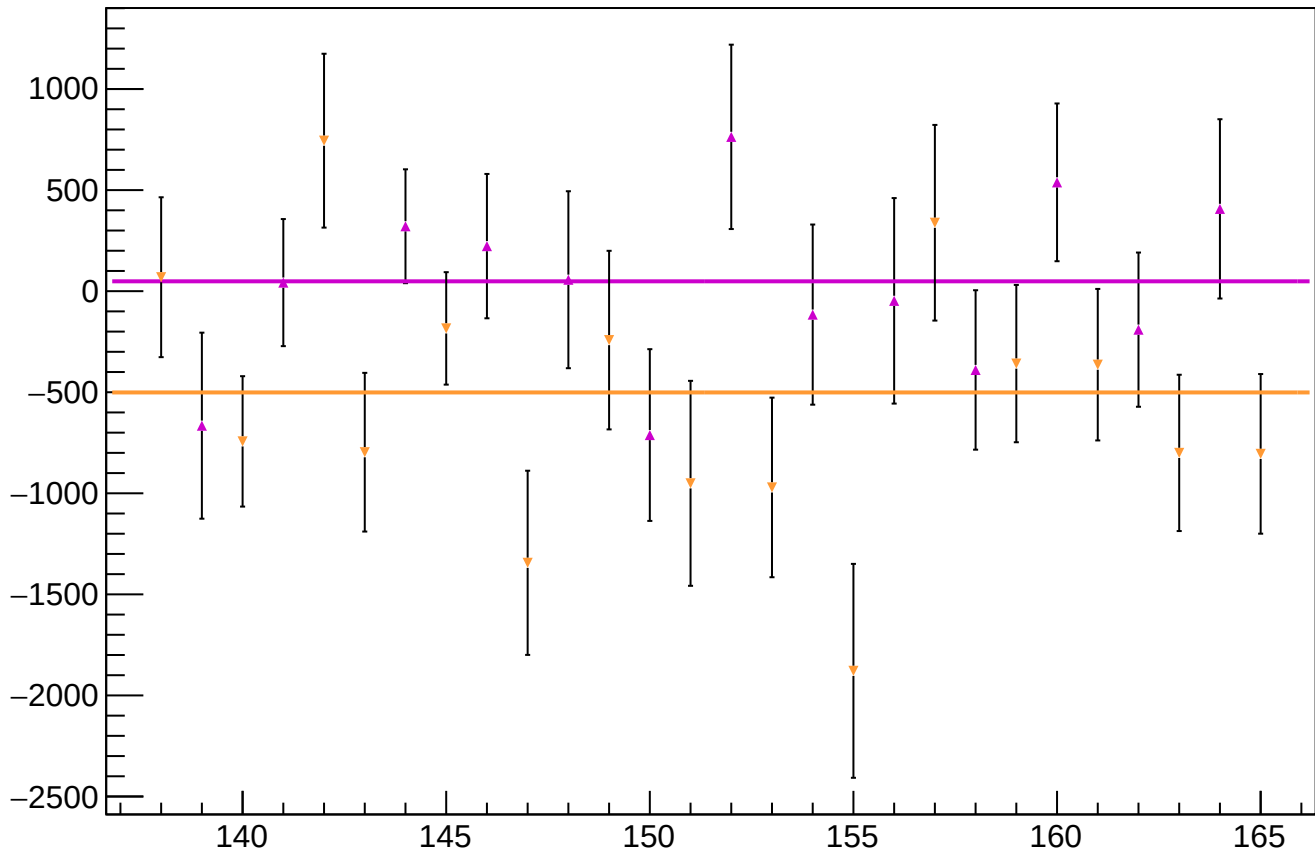
Left In: 64.112+/-0.014 χ^2 /NDF: 75330.2/12

+ sign 66.240+/-0.011 χ^2 /NDF: 595620.6/31

All: 66.289+/-0.008 χ^2 /NDF: 1039612.3/63

- sign 66.339+/-0.011 χ^2 /NDF: 443953.7/31

asym_sam7_correction_mean vs Slug



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

Left Out: -501.047 $\pm$ 102.932 χ^2 /NDF:29.8/14

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

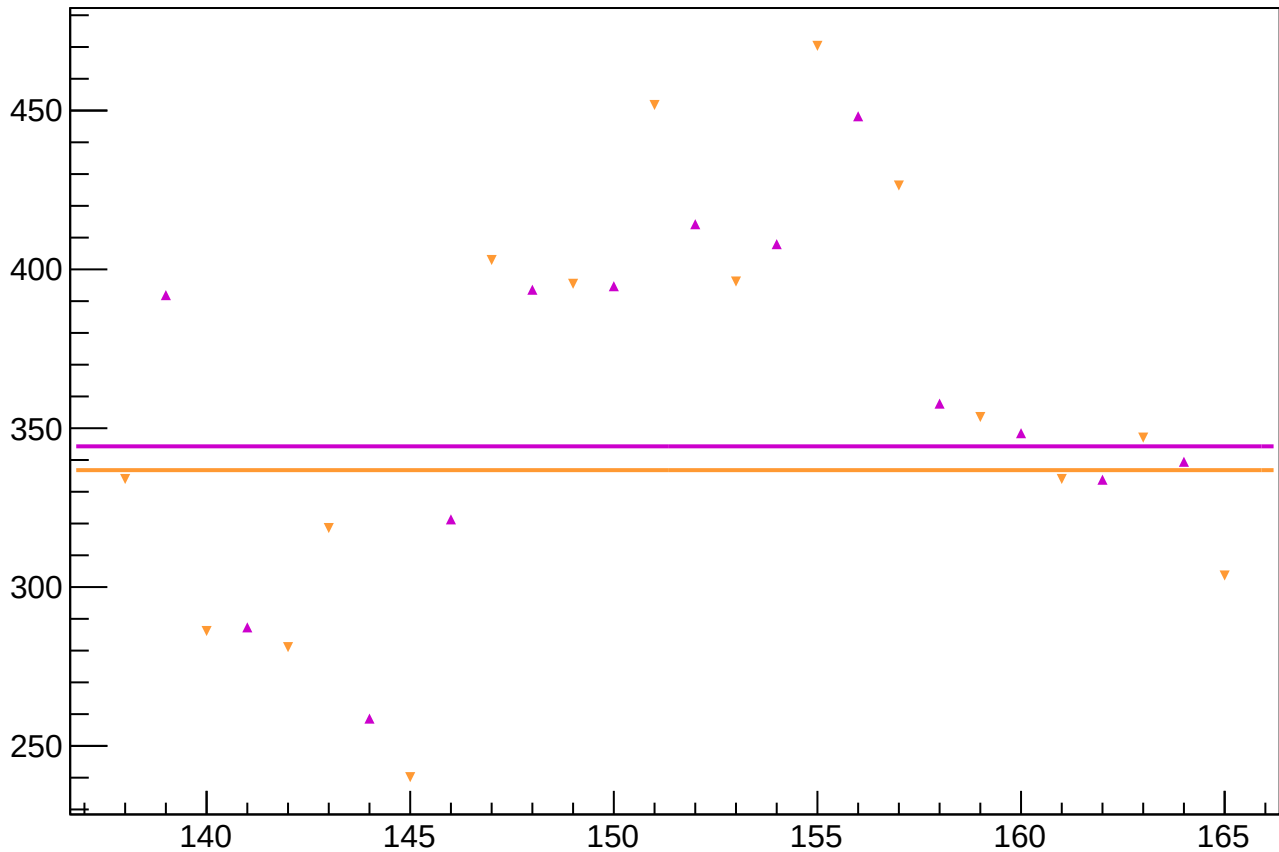
Left In: 48.727 $\pm$ 108.654 χ^2 /NDF:13.3/12

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

All: -241.015 $\pm$ 74.725 χ^2 /NDF: 56.6/27

- 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: 336.803+/-0.073 χ^2/NDF : 759851.8/14

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

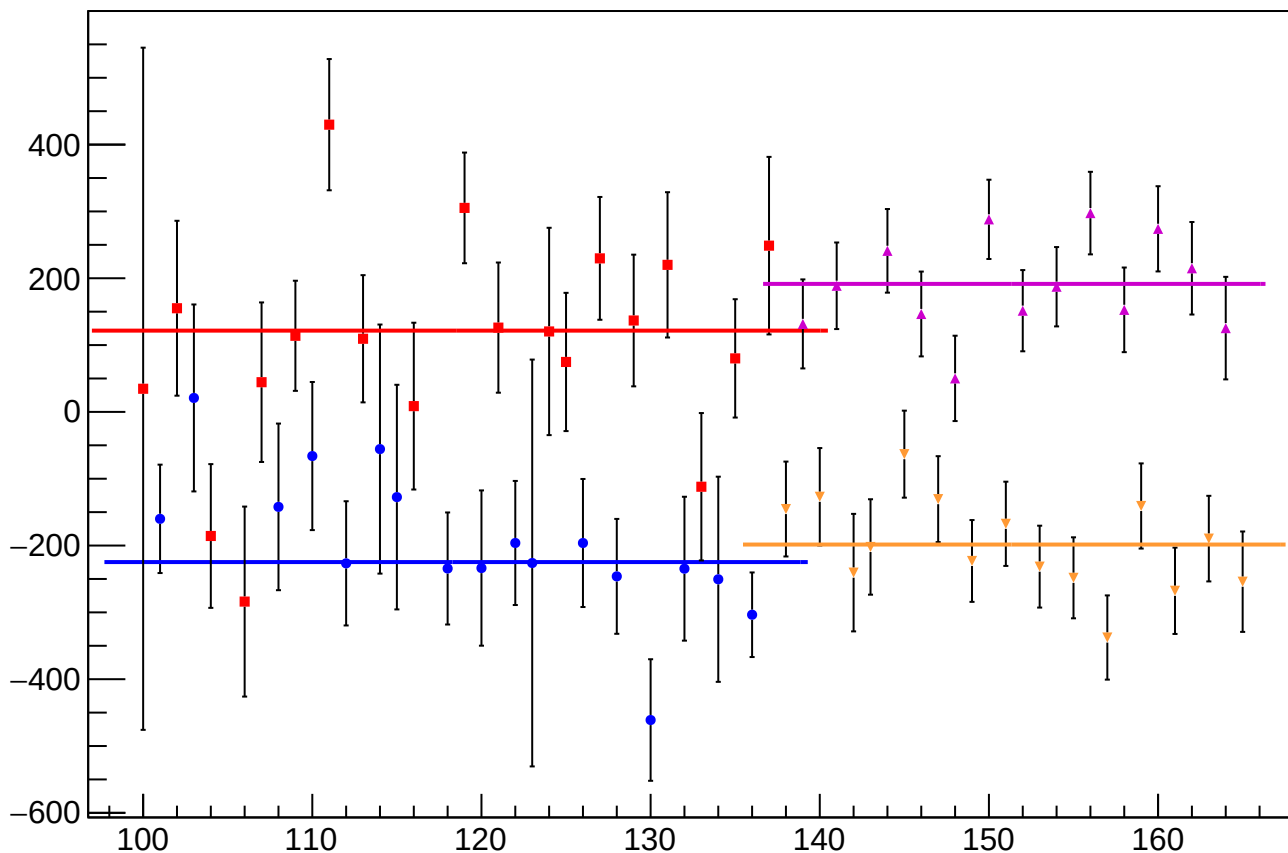
Left In: 344.299+/-0.077 χ^2/NDF : 509646.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 340.349+/-0.053 χ^2/NDF : 1274514.6/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_mean vs Slug



Right In: -224.727 $\pm$ 24.880 χ^2 /NDF: 16.0/16

Left Out: -198.493 $\pm$ 17.135 χ^2 /NDF:16.0/14

Right Out: 121.633 $\pm$ 24.599 χ^2 /NDF: 40.5/18

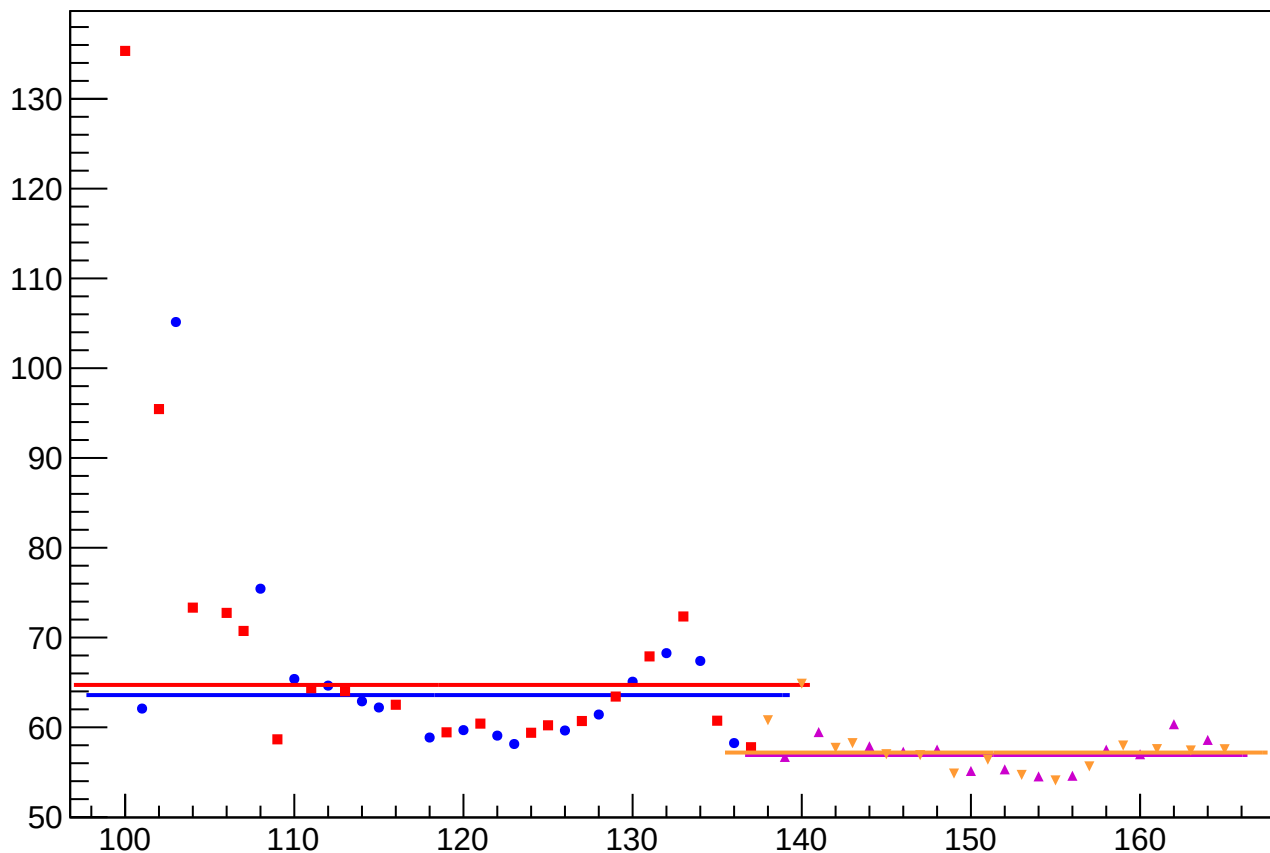
Left In: 191.560 $\pm$ 17.713 χ^2 /NDF:15.8/12

+ sign -206.932 $\pm$ 14.112 χ^2 /NDF: 32.7/31

All: -23.074 $\pm$ 10.070 χ^2 /NDF: 440.1/63

- sign 167.683 $\pm$ 14.374 χ^2 /NDF: 61.6/31

reg_asym_sam8_rms vs Slug



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 57.188 $\pm$ 0.012 χ^2 /NDF: 41246.8/14

Right Out: 64.720 $\pm$ 0.017 χ^2 /NDF: 227506.4/18

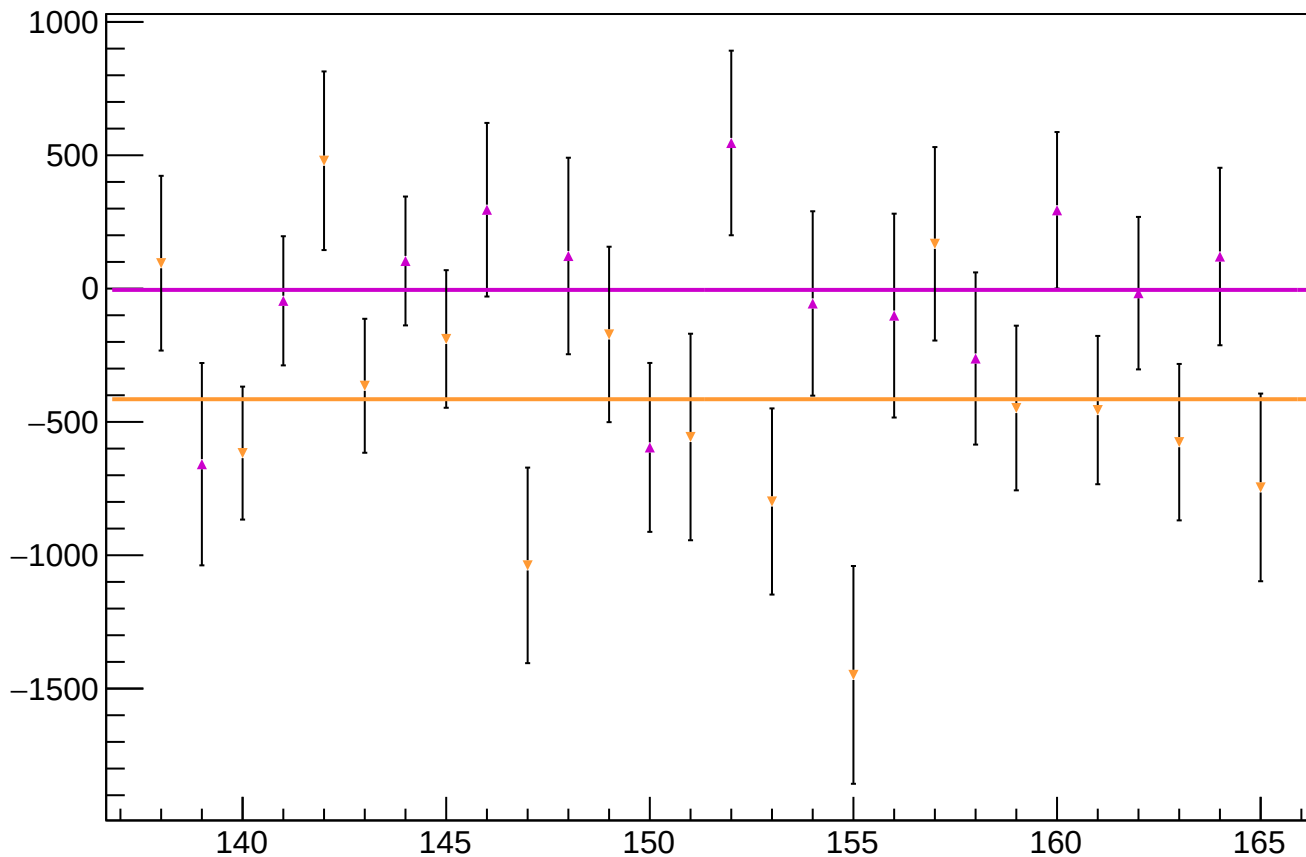
Left In: 56.916 $\pm$ 0.013 χ^2 /NDF: 19107.6/12

+ sign 59.247 $\pm$ 0.010 χ^2 /NDF: 365635.5/31

All: 59.411 $\pm$ 0.007 χ^2 /NDF: 745344.2/63

- sign 59.581 $\pm$ 0.010 χ^2 /NDF: 379160.0/31

asym_sam8_correction_mean vs Slug



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

Left Out: -414.876+/-80.730 χ^2/NDF : 26.0/14

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

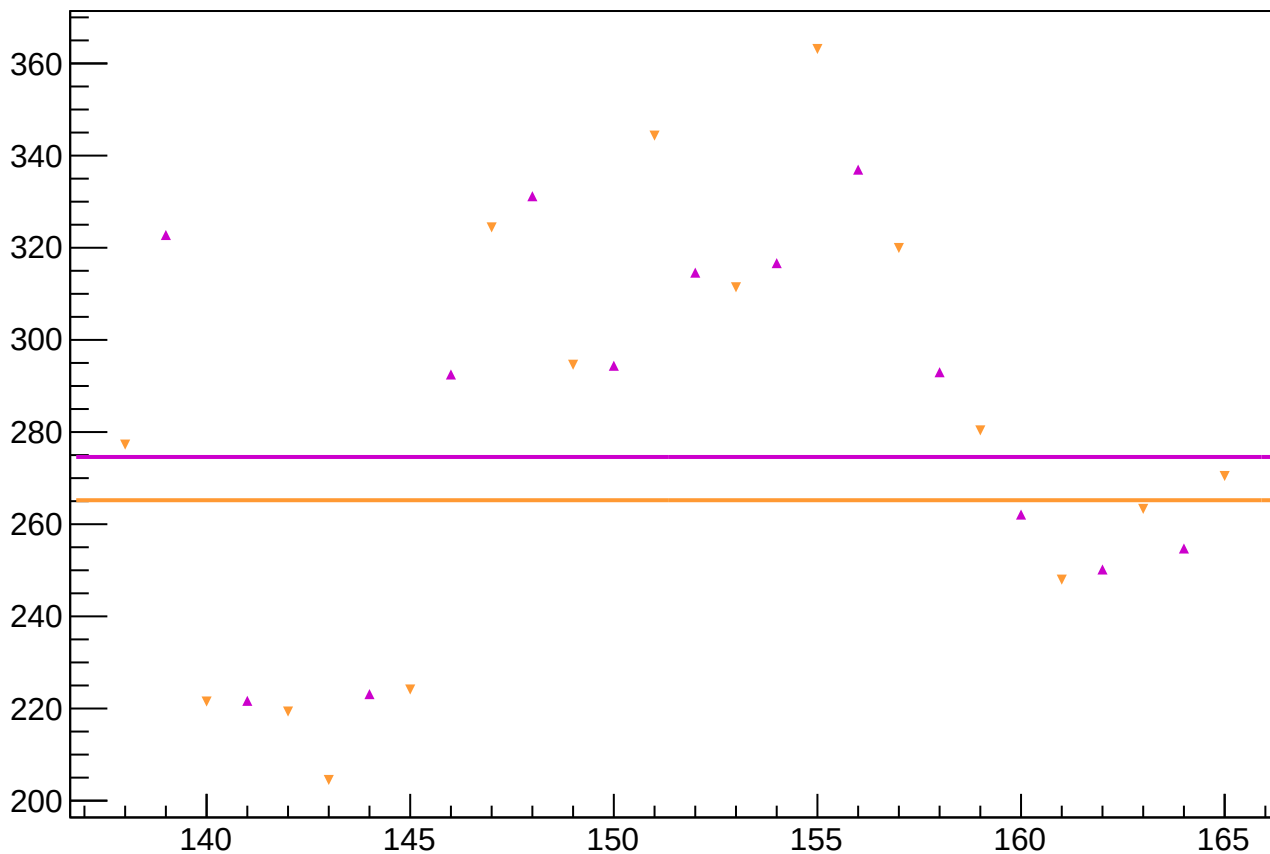
Left In: -4.865+/-86.417 χ^2/NDF : 12.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -223.806+/-58.993 χ^2/NDF : 50.1/27

- sign 0.000+/-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: 265.206+/-0.057 χ^2/NDF : 629367.6/14

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

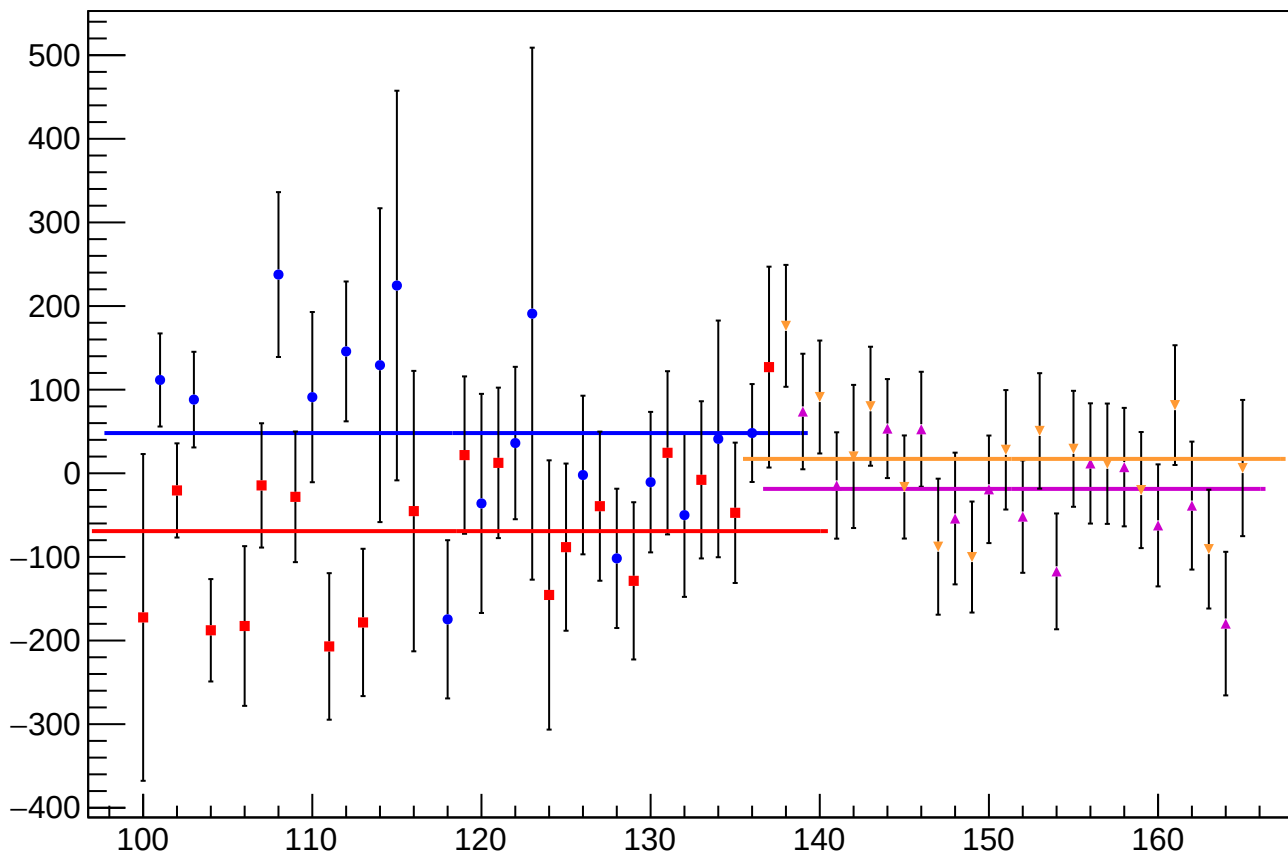
Left In: 274.594+/-0.061 χ^2/NDF : 420866.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 269.581+/-0.042 χ^2/NDF : 1062837.9/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109 ± 21.510 $\chi^2/\text{NDF}: 19.0/16$

Left Out: 17.219 ± 18.439 $\chi^2/\text{NDF}: 15.6/14$

Right Out: -69.156 ± 20.407 $\chi^2/\text{NDF}: 17.7/18$

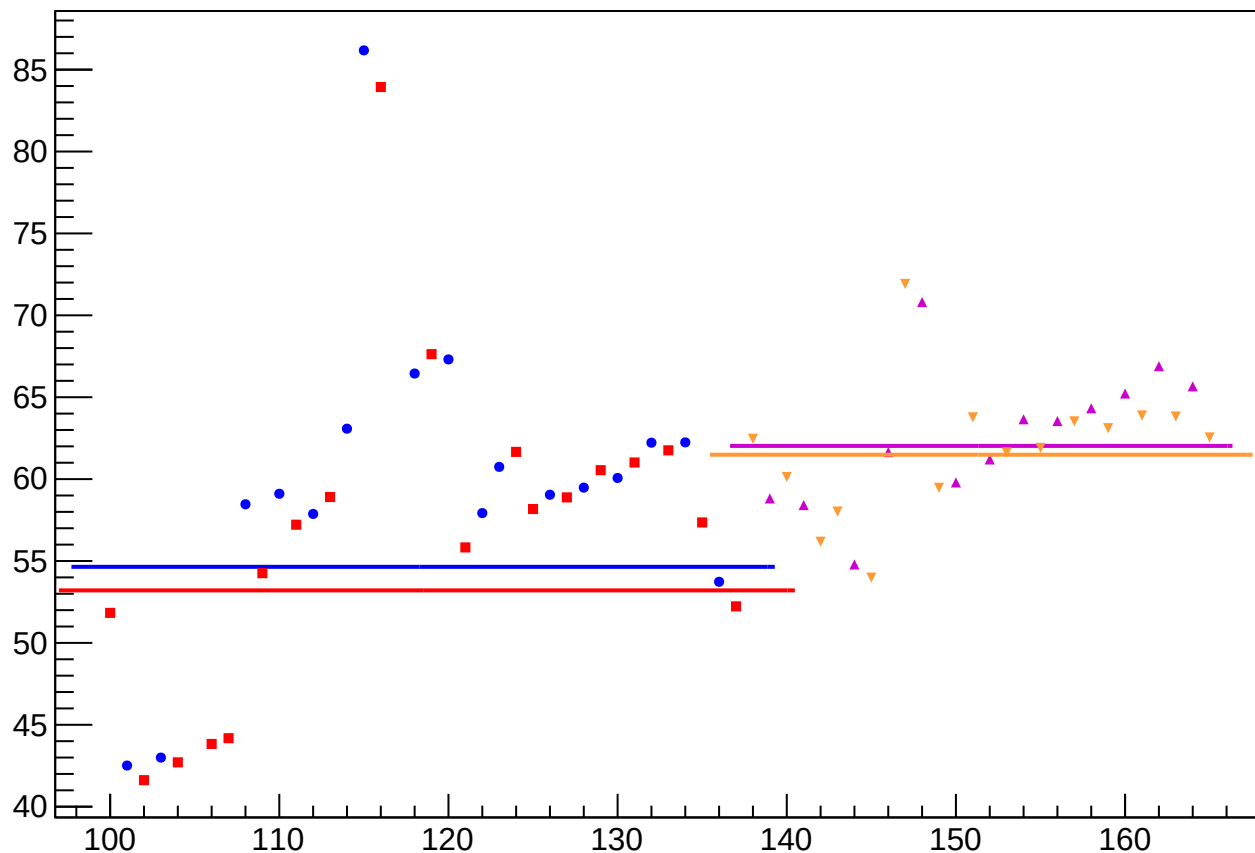
Left In: -18.658 ± 19.340 $\chi^2/\text{NDF}: 11.1/12$

+ sign 30.303 ± 13.999 $\chi^2/\text{NDF}: 35.7/31$

All: -6.026 ± 9.913 $\chi^2/\text{NDF}: 81.2/63$

- sign -42.552 ± 14.037 $\chi^2/\text{NDF}: 32.0/31$

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 61.489+/-0.013 χ^2/NDF : 87542.4/14

Right Out: 53.207+/-0.014 χ^2/NDF : 386295.2/18

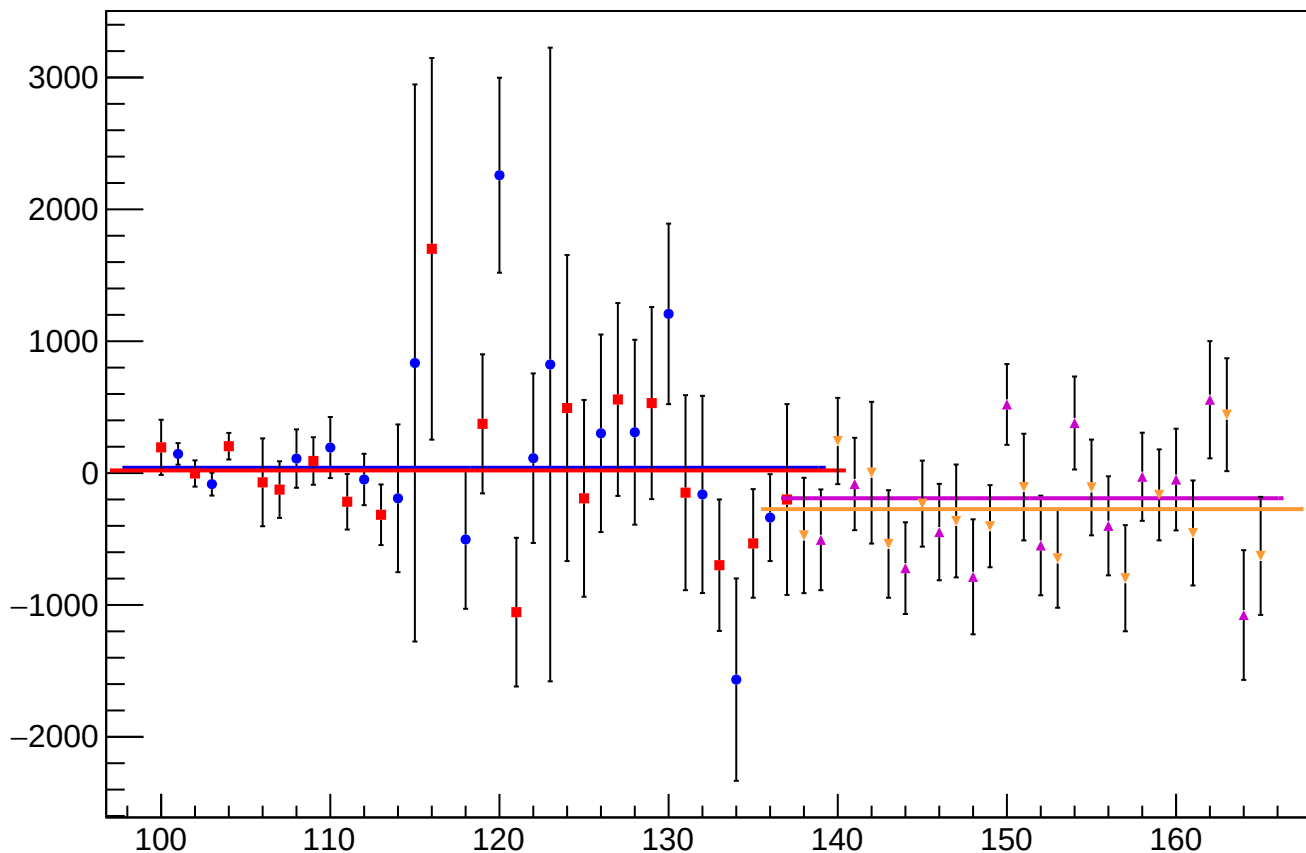
Left In: 62.027+/-0.014 χ^2/NDF : 87929.2/12

+ sign 58.590+/-0.010 χ^2/NDF : 523570.3/31

All: 58.223+/-0.007 χ^2/NDF : 1197400.1/63

- sign 57.854+/-0.010 χ^2/NDF : 671070.2/31

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 ± 51.542 χ^2/NDF : 23.9/16

Left Out: -273.156 ± 99.311 χ^2/NDF : 10.4/14

Right Out: 20.232 ± 53.274 χ^2/NDF : 18.9/18

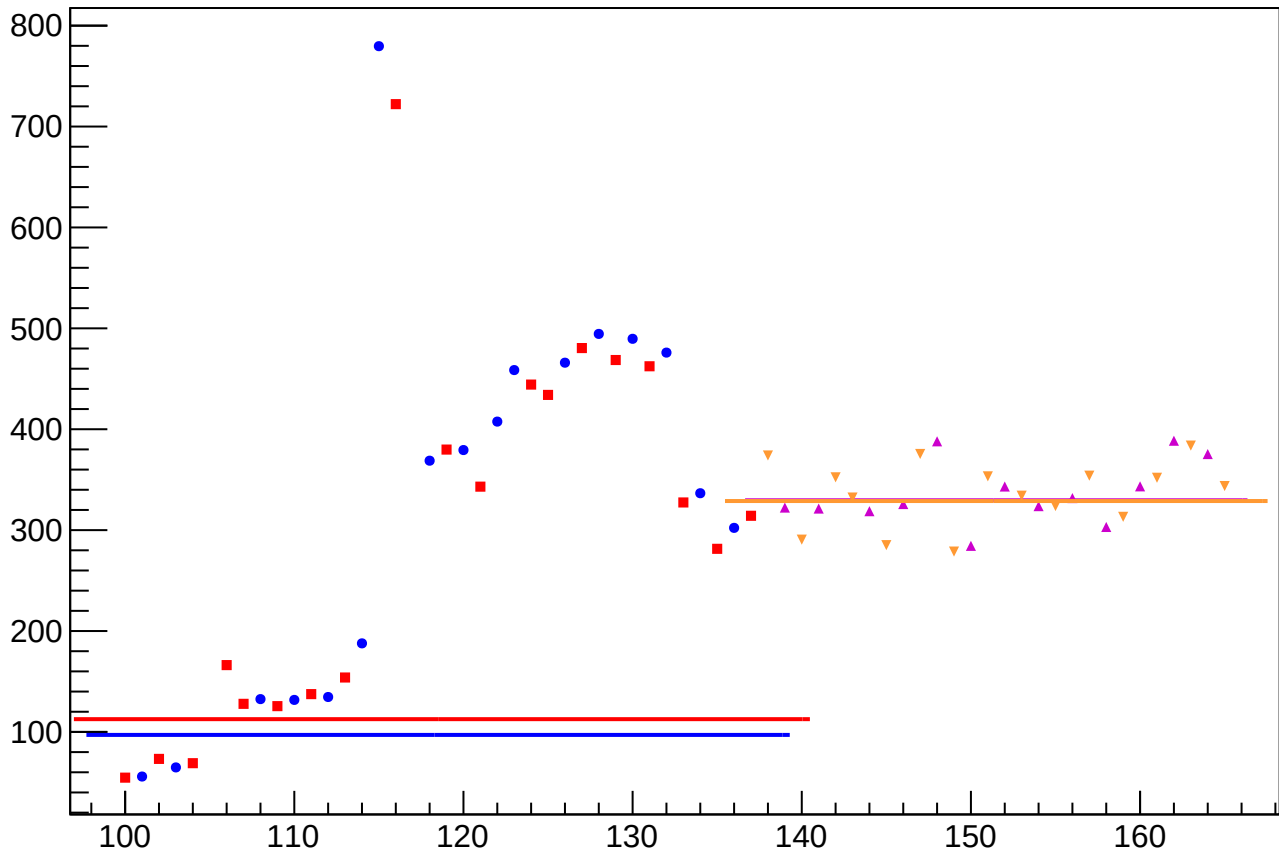
Left In: -190.705 ± 103.300 χ^2/NDF : 21.1/12

+ sign -26.289 ± 45.748 χ^2/NDF : 42.1/31

All: -25.224 ± 32.900 χ^2/NDF : 85.4/63

- sign -24.084 ± 47.348 χ^2/NDF : 43.3/31

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 328.845+/-0.070 χ^2/NDF : 226036.0/14

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

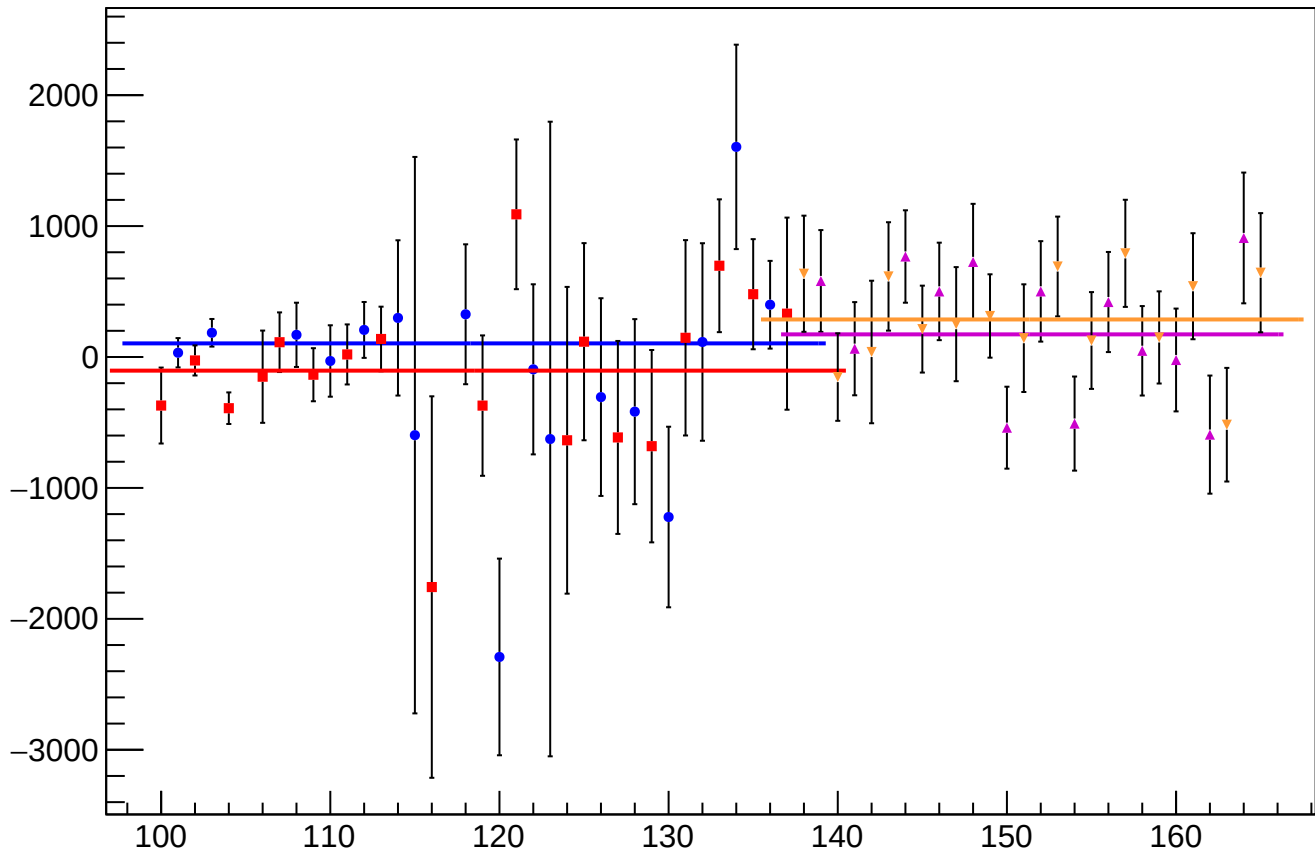
Left In: 329.598+/-0.073 χ^2/NDF : 154307.9/12

+ sign 146.228+/-0.032 χ^2/NDF : 14629924.1/31

All: 152.024+/-0.023 χ^2/NDF : 26854923.1/63

- sign 158.231+/-0.033 χ^2/NDF : 12158523.3/31

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 286.742 $\pm$ 101.093 χ^2 /NDF:10.8/14

Right Out: -104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

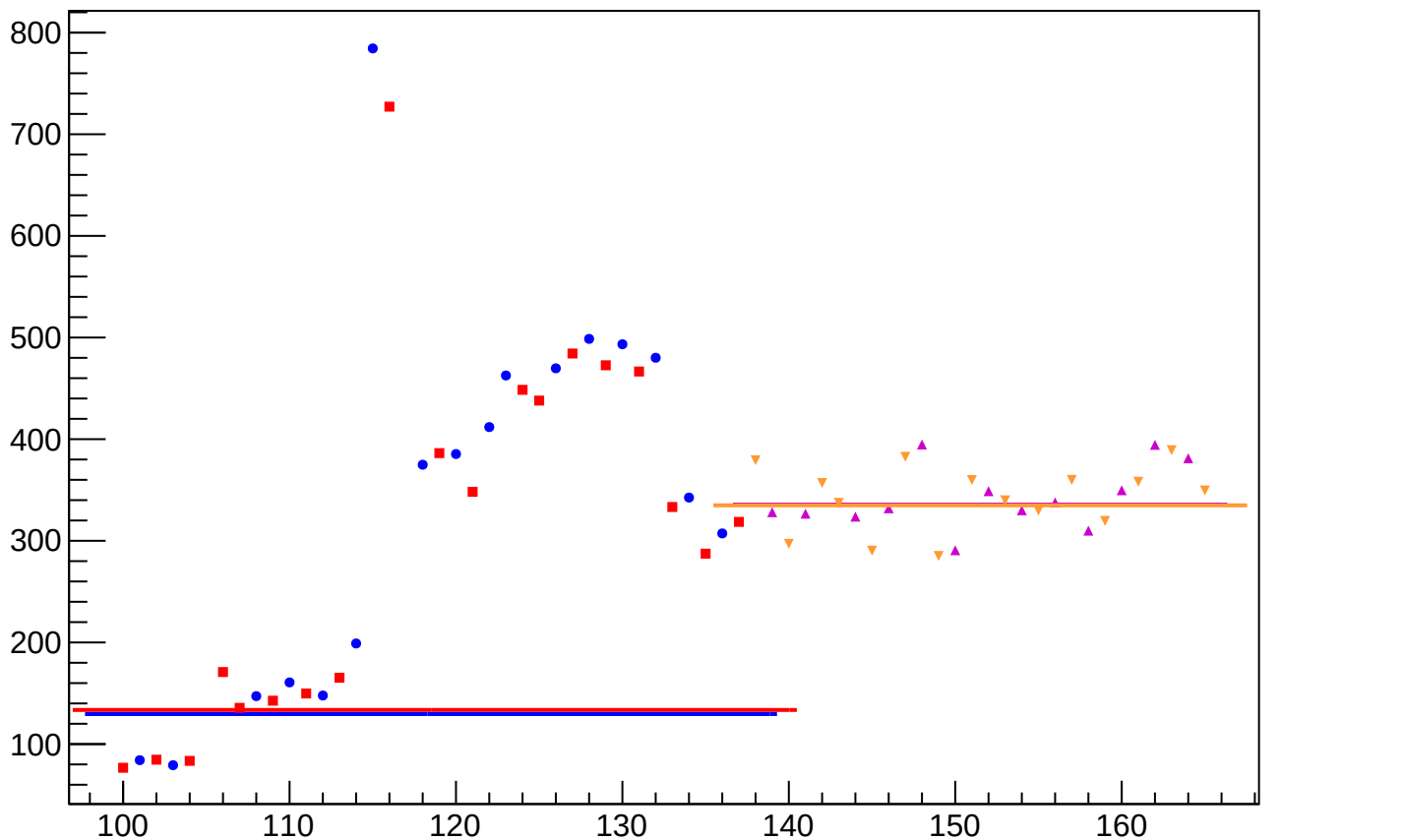
Left In: 172.892 $\pm$ 105.174 χ^2 /NDF:21.7/12

+ sign 155.301 $\pm$ 53.563 χ^2 /NDF: 34.5/31

All: 58.737 $\pm$ 37.557 χ^2 /NDF: 89.1/63

- sign -34.651 $\pm$ 52.675 χ^2 /NDF: 48.3/31

asym_sam_15_avg_rms vs Slug



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 334.893 $\pm$ 0.071 χ^2 /NDF: 217365.5/14

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

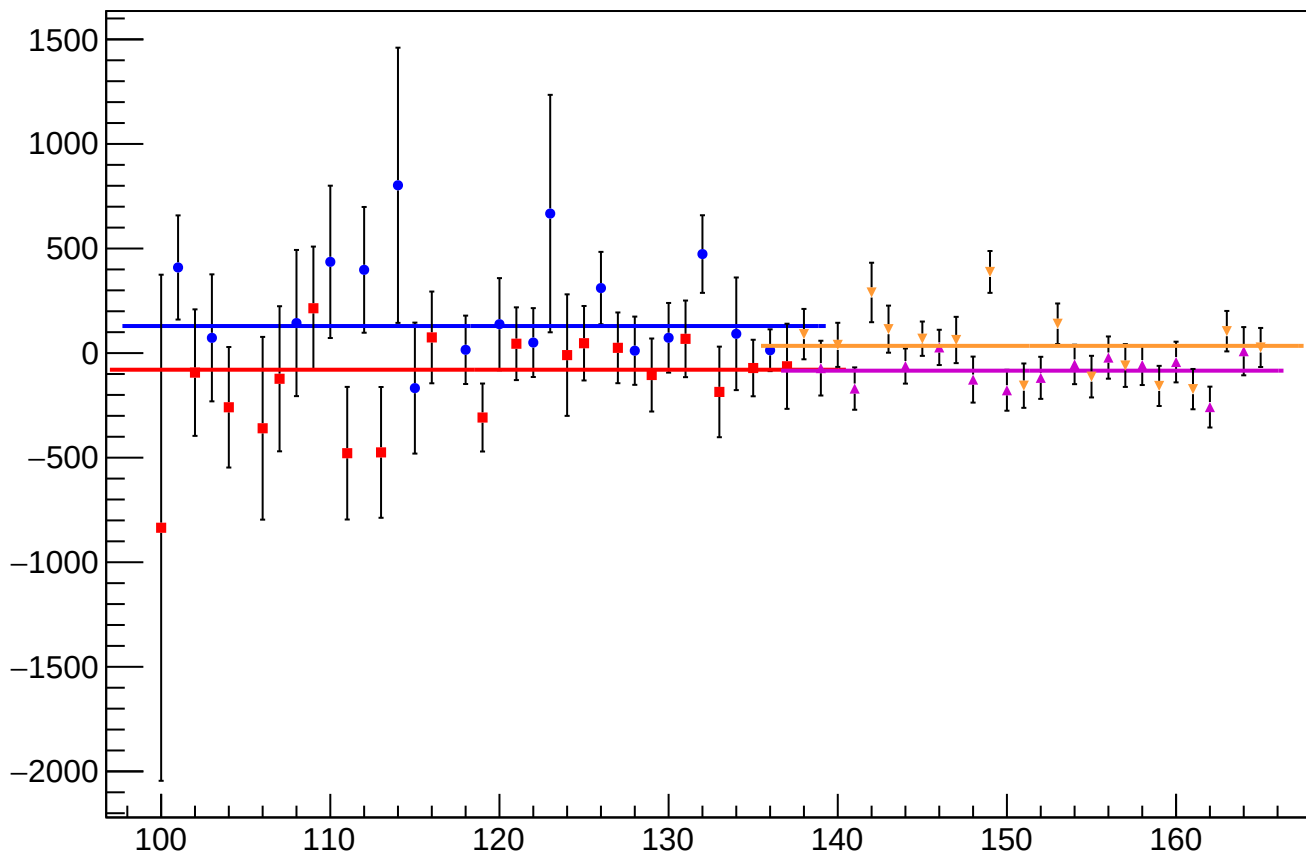
Left In: 335.699 $\pm$ 0.074 χ^2 /NDF: 148681.3/12

+ sign 187.197 $\pm$ 0.038 χ^2 /NDF: 10925008.3/31

All: 185.718 $\pm$ 0.027 χ^2 /NDF: 20975820.2/63

- sign 184.287 $\pm$ 0.037 χ^2 /NDF: 10047811.9/31

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 ± 49.122 $\chi^2/\text{NDF}: 12.9/16$

Left Out: 34.588 ± 26.289 $\chi^2/\text{NDF}: 33.2/14$

Right Out: -79.483 ± 49.886 $\chi^2/\text{NDF}: 10.2/18$

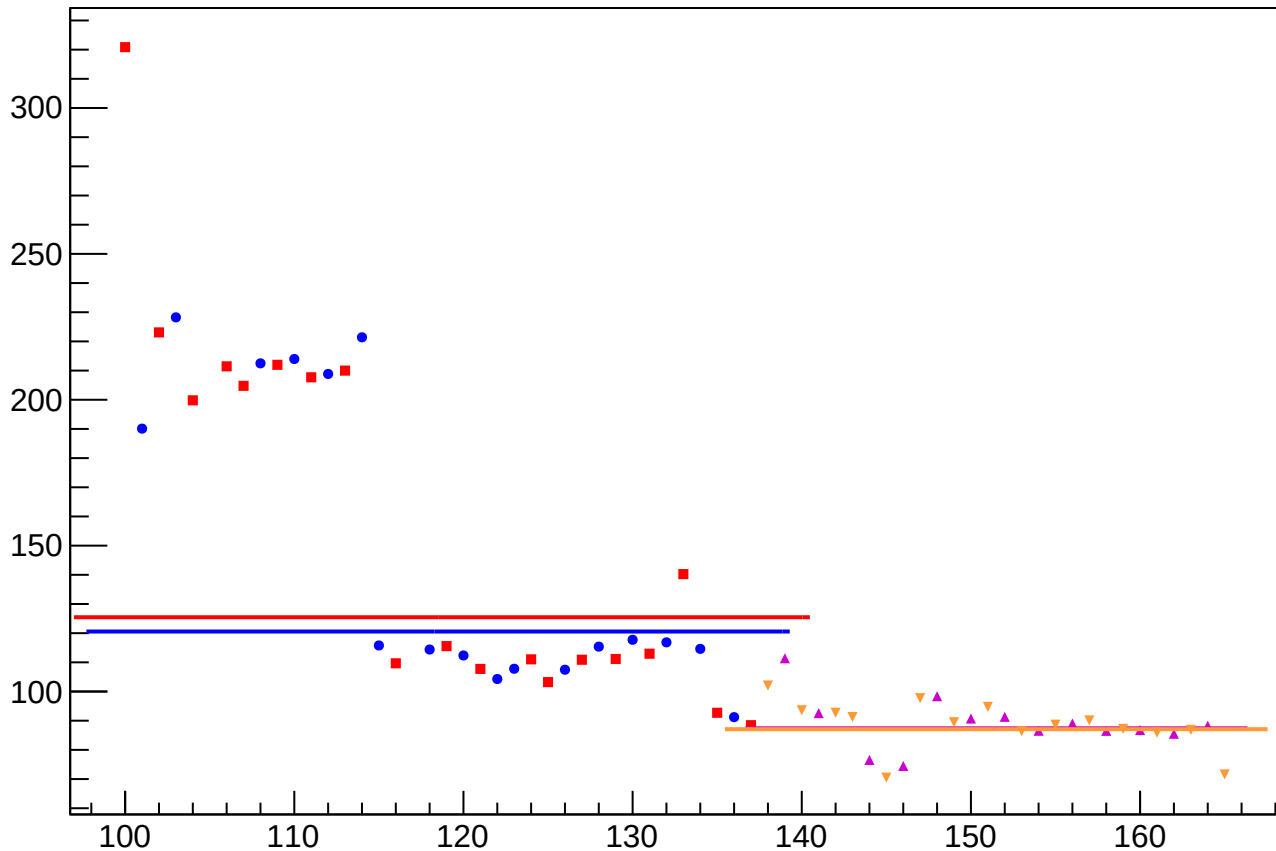
Left In: -84.035 ± 27.419 $\chi^2/\text{NDF}: 8.3/12$

+ sign 55.697 ± 23.178 $\chi^2/\text{NDF}: 49.0/31$

All: -11.145 ± 16.682 $\chi^2/\text{NDF}: 84.8/63$

- sign -82.979 ± 24.028 $\chi^2/\text{NDF}: 18.5/31$

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 87.086 $\pm$ 0.019 χ^2 /NDF:214019.1/14

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

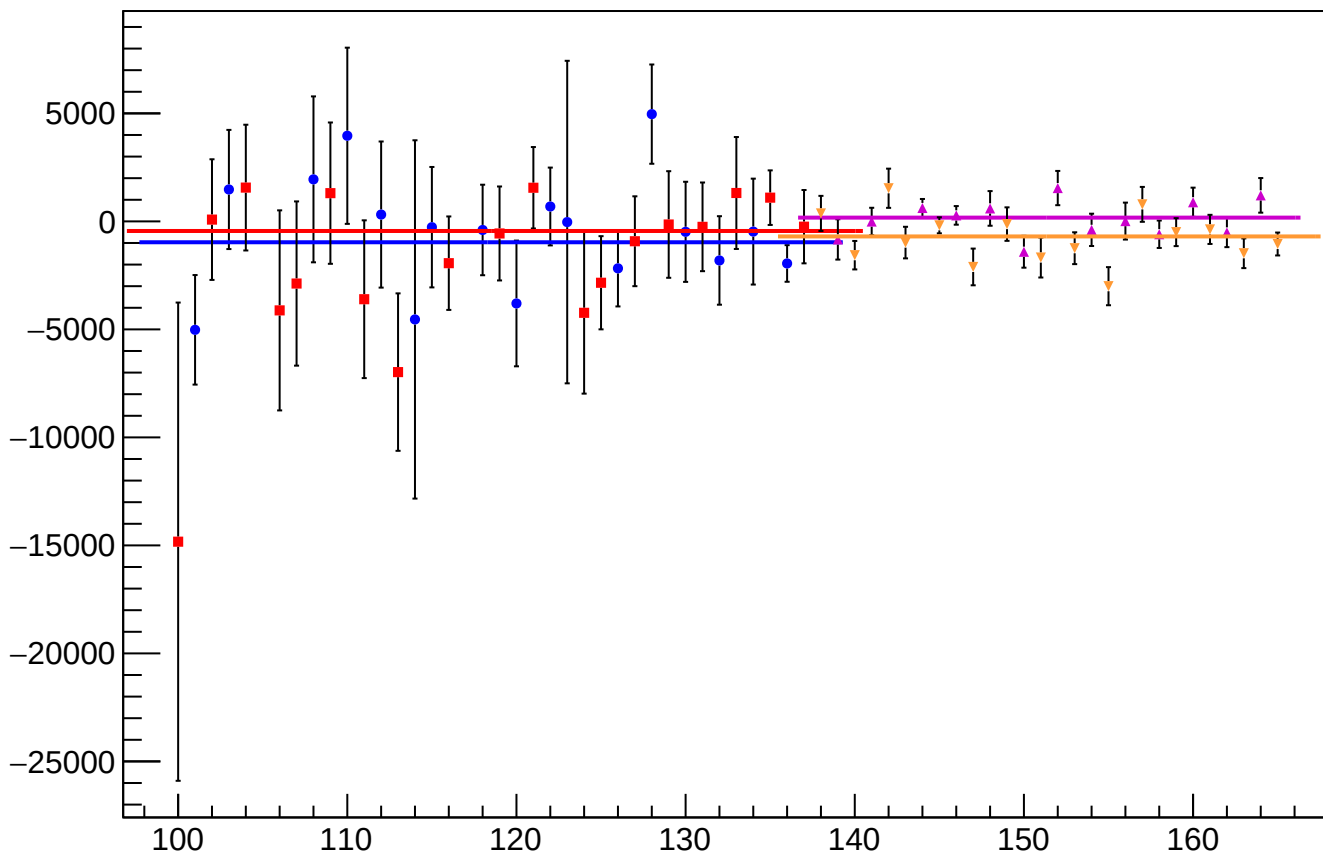
Left In: 87.386 $\pm$ 0.019 χ^2 /NDF:179679.6/12

+ sign 94.540 $\pm$ 0.016 χ^2 /NDF: 2048268.0/31

All: 95.349 $\pm$ 0.012 χ^2 /NDF: 4461423.9/63

- sign 96.219 $\pm$ 0.017 χ^2 /NDF: 2408100.4/31

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587+/-512.340 χ^2 /NDF: 16.4/16

Left Out: -697.020+/-173.273 χ^2 /NDF: 28.8/14

Right Out: -444.406+/-545.370 χ^2 /NDF: 13.4/18

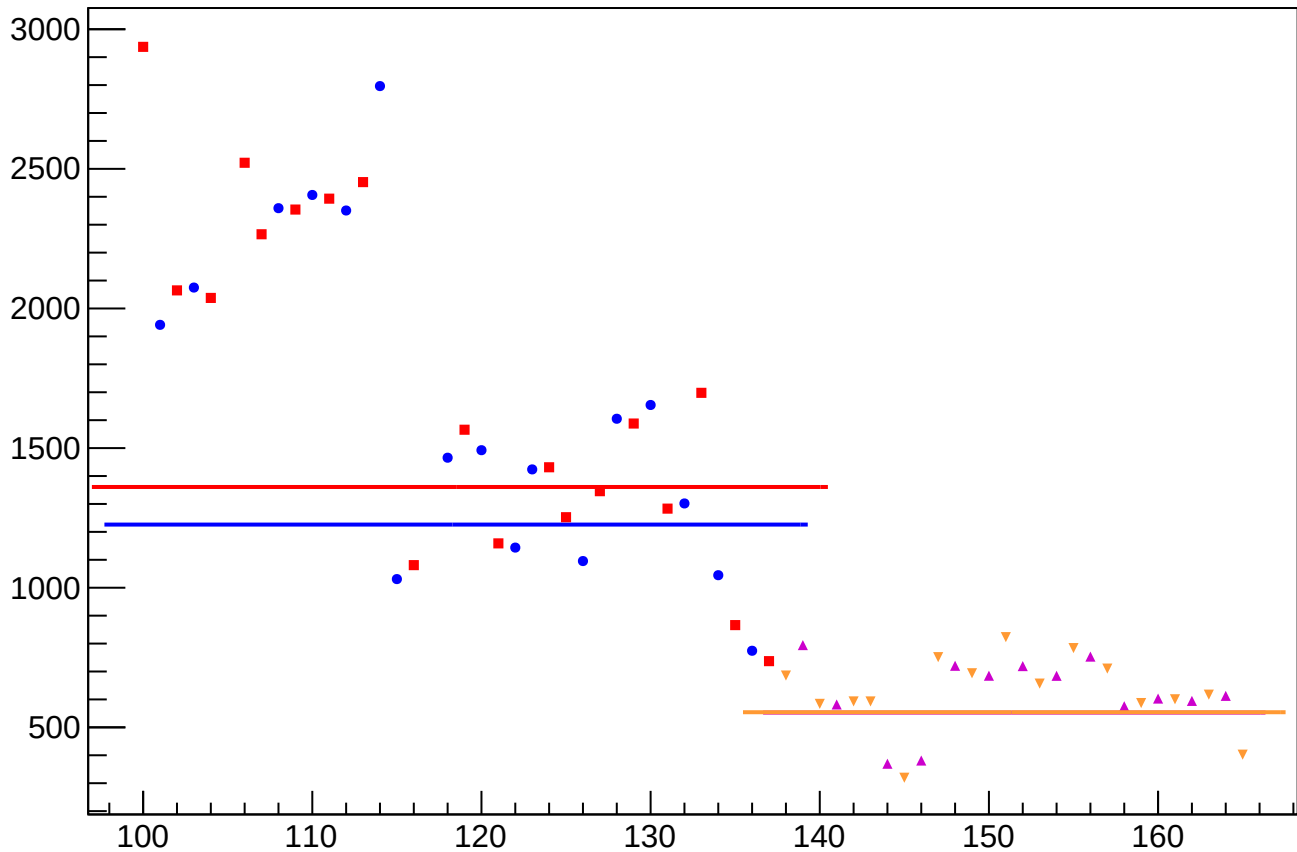
Left In: 174.004+/-178.814 χ^2 /NDF: 16.2/12

+ sign -724.688+/-164.140 χ^2 /NDF: 45.4/31

All: -319.847+/-118.053 χ^2 /NDF: 88.7/63

- sign 113.976+/-169.914 χ^2 /NDF: 30.7/31

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 554.162+/-0.123 χ^2/NDF : 1651104.1/14

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

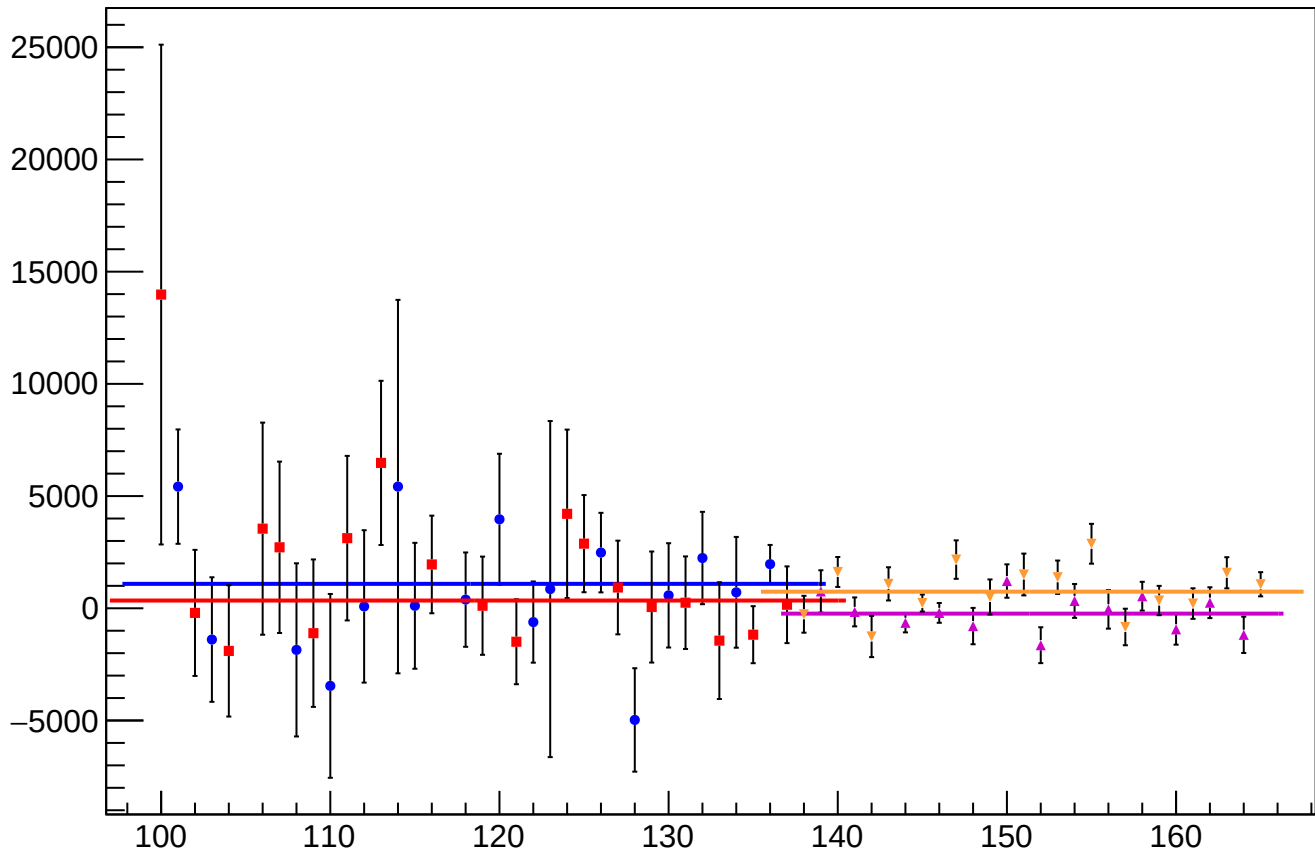
Left In: 552.832+/-0.126 χ^2/NDF : 1285480.9/12

+ sign 623.132+/-0.116 χ^2/NDF : 6494768.1/31

All: 627.054+/-0.083 χ^2/NDF : 13495005.1/63

- sign 631.256+/-0.120 χ^2/NDF : 6997871.8/31

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 740.636 $\pm$ 175.715 χ^2 /NDF:26.6/14

Right Out: 345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

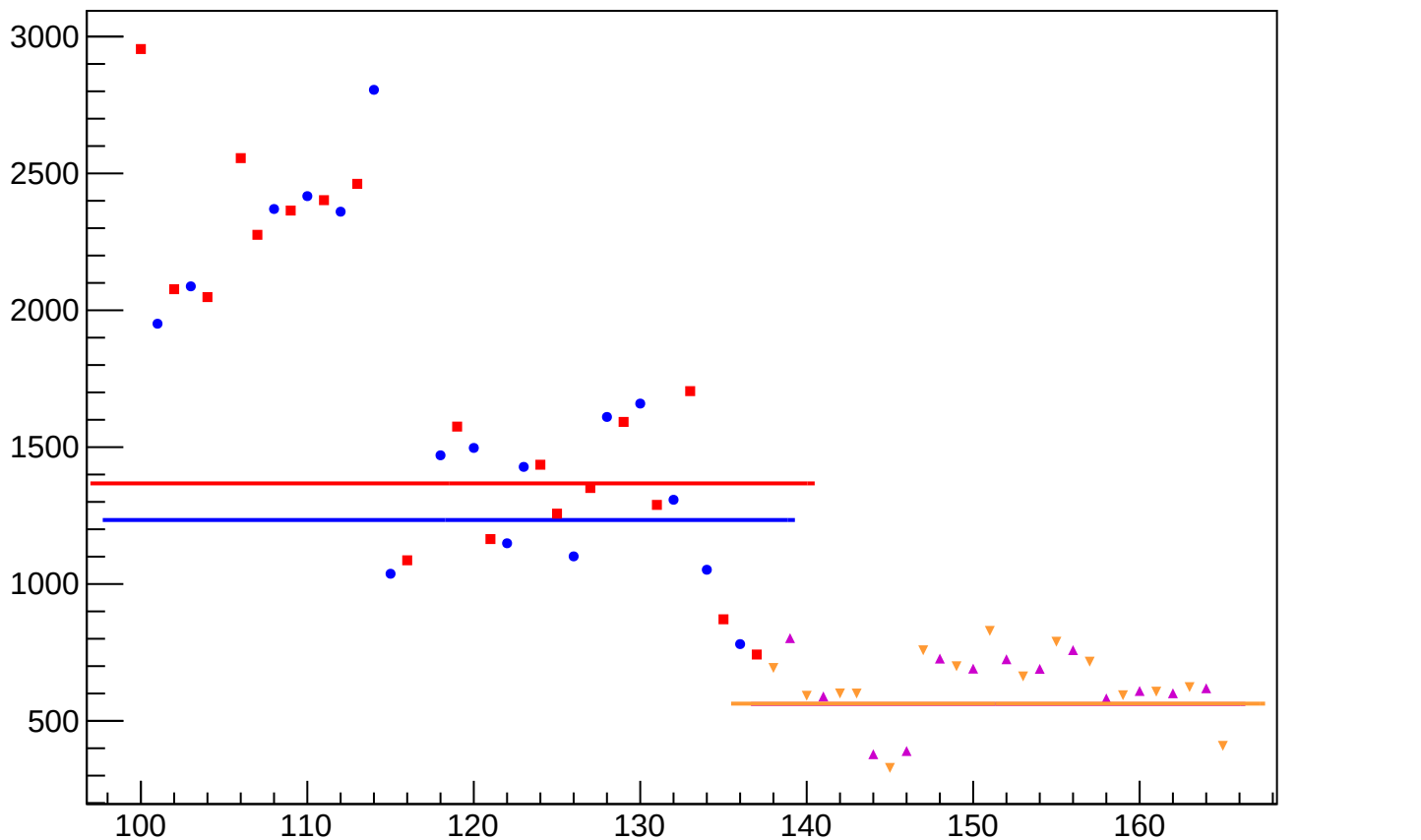
Left In: -237.998 $\pm$ 181.375 χ^2 /NDF:14.4/12

+ sign 776.933 $\pm$ 166.310 χ^2 /NDF: 43.9/31

All: 314.898 $\pm$ 119.625 χ^2 /NDF: 87.8/63

- sign -180.411 $\pm$ 172.195 χ^2 /NDF: 27.9/31

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 563.023+/-0.124 χ^2/NDF : 1577875.7/14

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

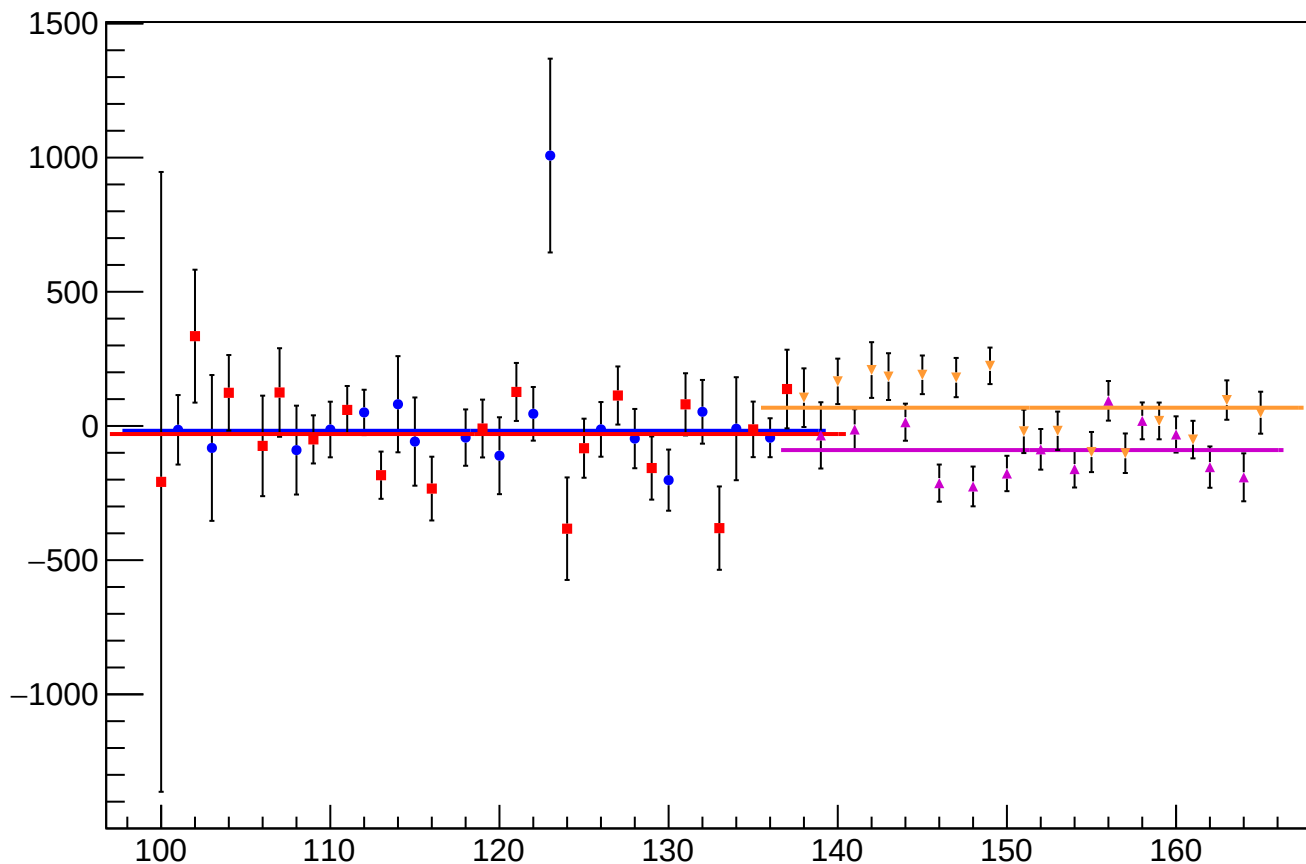
Left In: 561.683+/-0.128 χ^2/NDF : 1226928.9/12

+ sign 632.908+/-0.118 χ^2/NDF : 6358733.6/31

All: 636.911+/-0.085 χ^2/NDF : 13228860.2/63

- sign 641.202+/-0.122 χ^2/NDF : 6867726.0/31

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 67.983 ± 19.916 χ^2/NDF : 32.0/14

Right Out: -30.070 ± 27.976 χ^2/NDF : 27.4/18

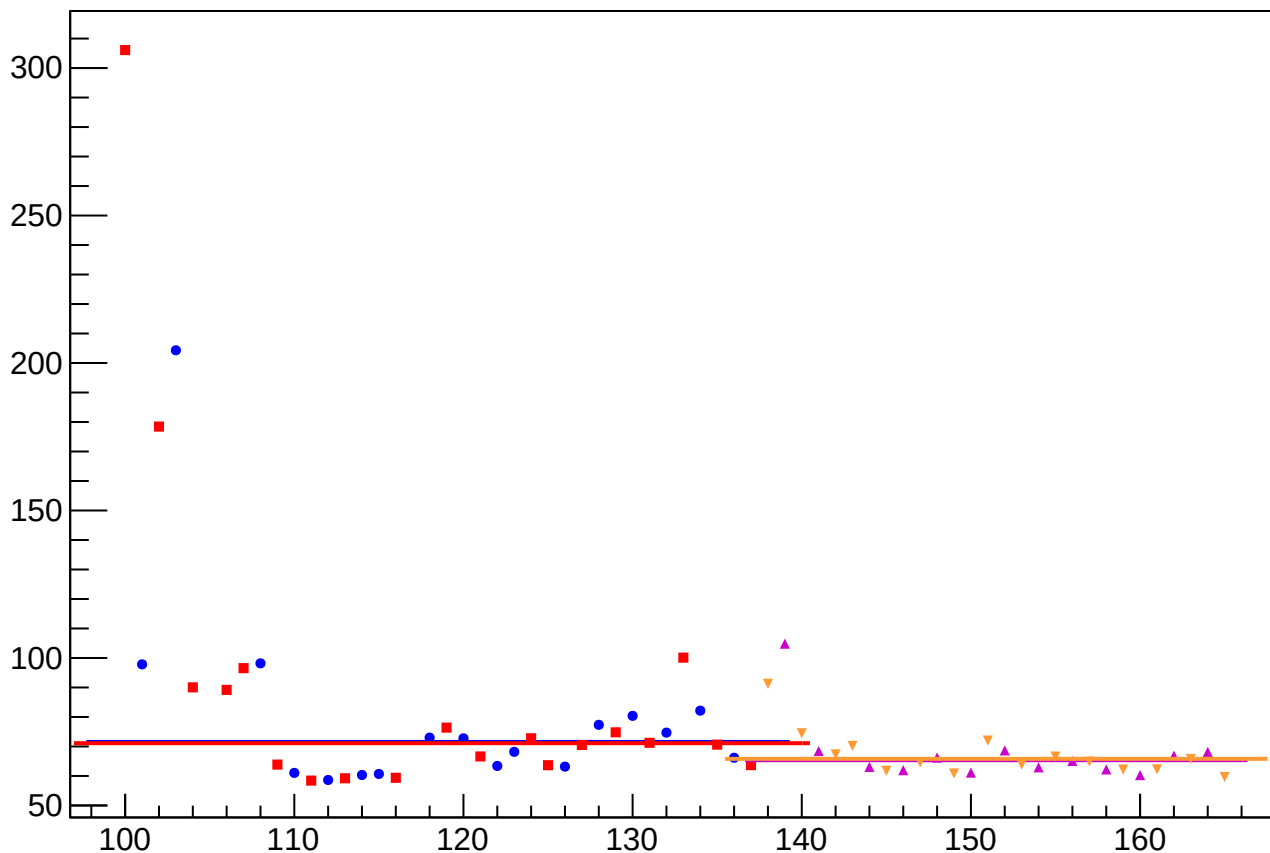
Left In: -89.846 ± 20.554 χ^2/NDF : 24.2/12

+ sign 40.238 ± 16.390 χ^2/NDF : 51.4/31

All: -13.748 ± 11.651 χ^2/NDF : 127.9/63

- sign -68.891 ± 16.564 χ^2/NDF : 54.6/31

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 65.809 $\pm$ 0.014 χ^2 /NDF: 189064.5/14

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

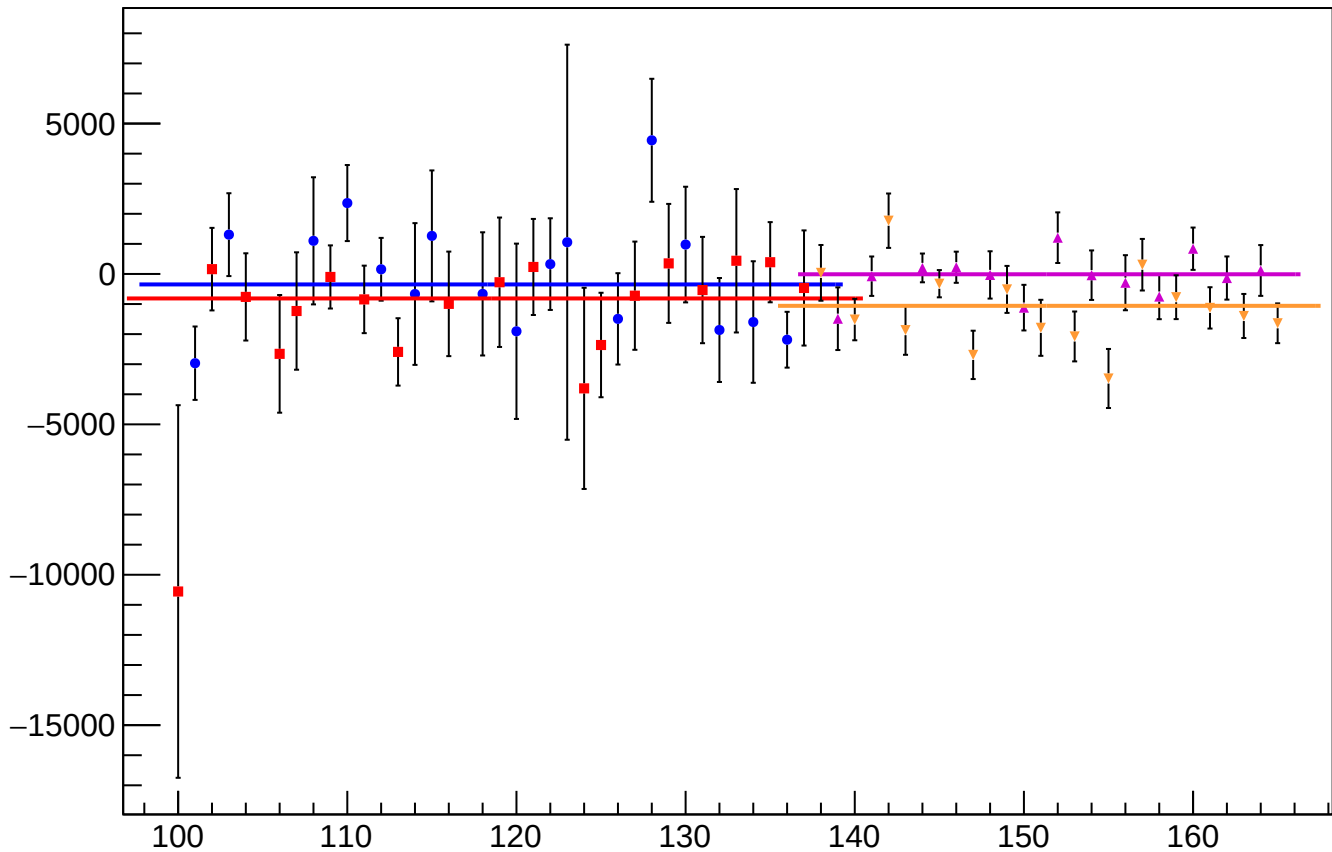
Left In: 65.348 $\pm$ 0.015 χ^2 /NDF: 248004.6/12

+ sign 67.658 $\pm$ 0.012 χ^2 /NDF: 1001404.4/31

All: 67.515 $\pm$ 0.008 χ^2 /NDF: 2070065.2/63

- sign 67.370 $\pm$ 0.012 χ^2 /NDF: 1068355.7/31

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 $\pm$ 381.994 χ^2/NDF : 24.1/16

Left Out: -1059.383 $\pm$ 191.714 χ^2/NDF : 31.7/14

Right Out: -814.154 $\pm$ 369.807 χ^2/NDF : 10.5/18

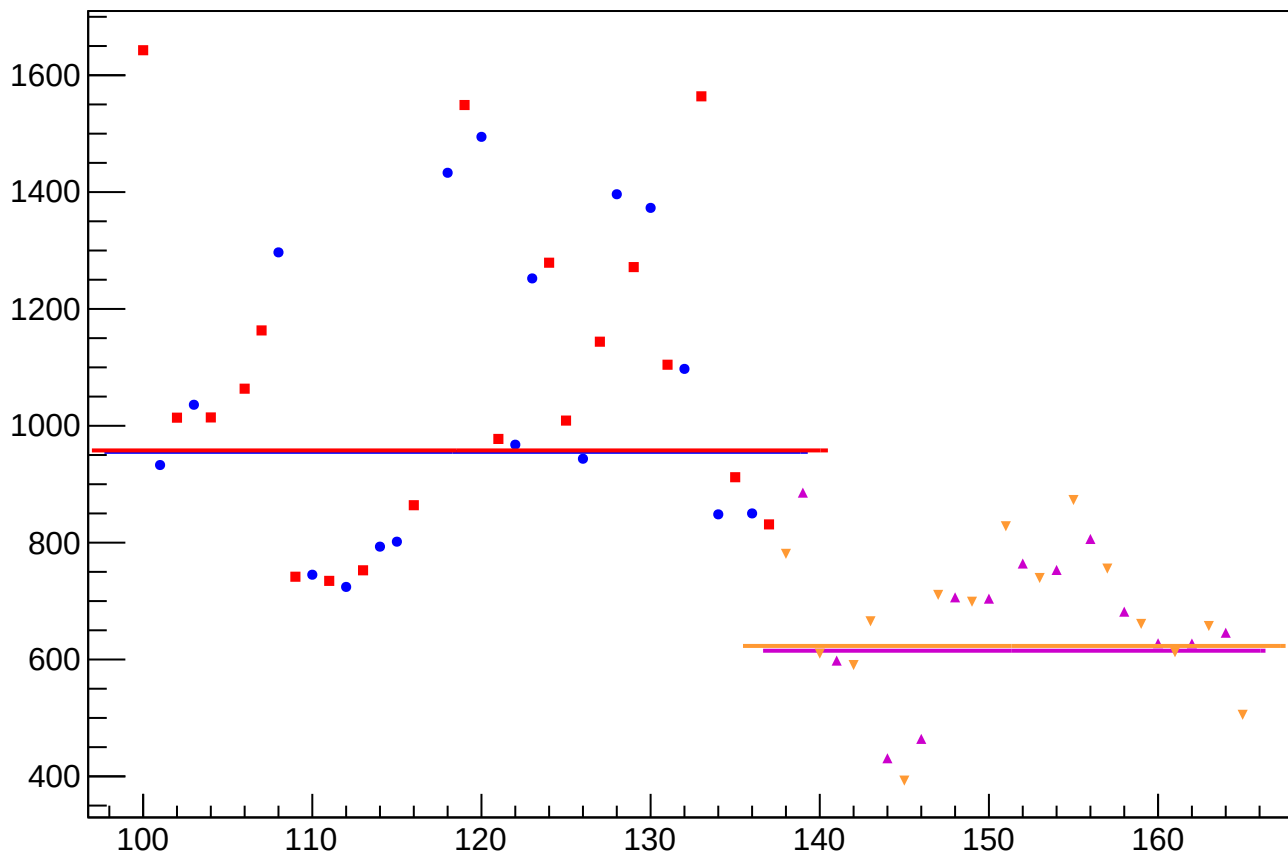
Left In: -10.350 $\pm$ 196.393 χ^2/NDF : 9.2/12

+ sign -916.239 $\pm$ 171.346 χ^2/NDF : 58.6/31

All: -556.160 $\pm$ 121.897 χ^2/NDF : 90.9/63

- sign -187.178 $\pm$ 173.451 χ^2/NDF : 23.4/31

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 623.236 $\pm$ 0.136 χ^2 /NDF: 1013842.0/14

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

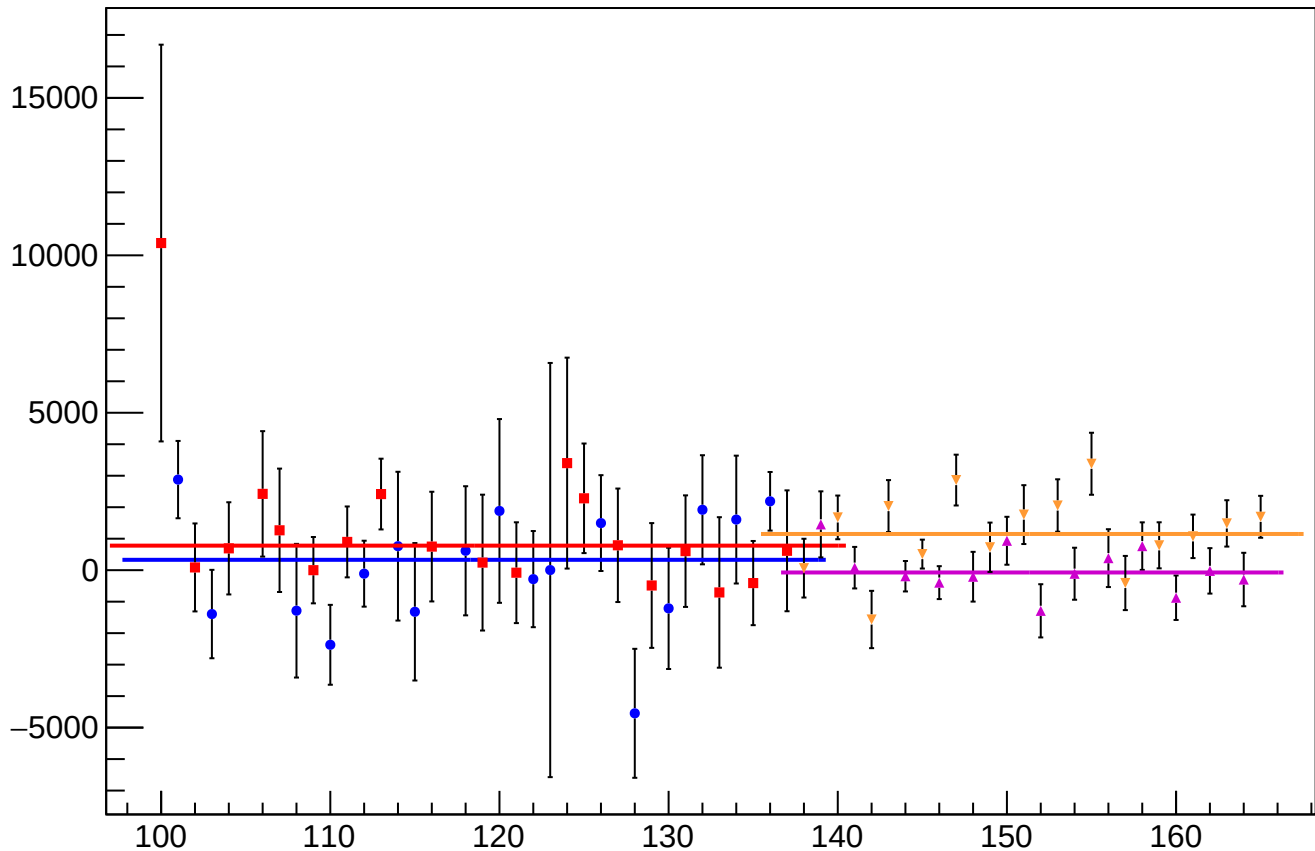
Left In: 615.029 $\pm$ 0.139 χ^2 /NDF: 883260.7/12

+ sign 690.073 $\pm$ 0.121 χ^2 /NDF: 2868518.2/31

All: 690.257 $\pm$ 0.086 χ^2 /NDF: 5785501.2/63

- sign 690.446 $\pm$ 0.123 χ^2 /NDF: 2916978.3/31

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 1149.911 ± 192.993 χ^2/NDF : 29.9/14

Right Out: 779.623 ± 371.673 χ^2/NDF : 9.3/18

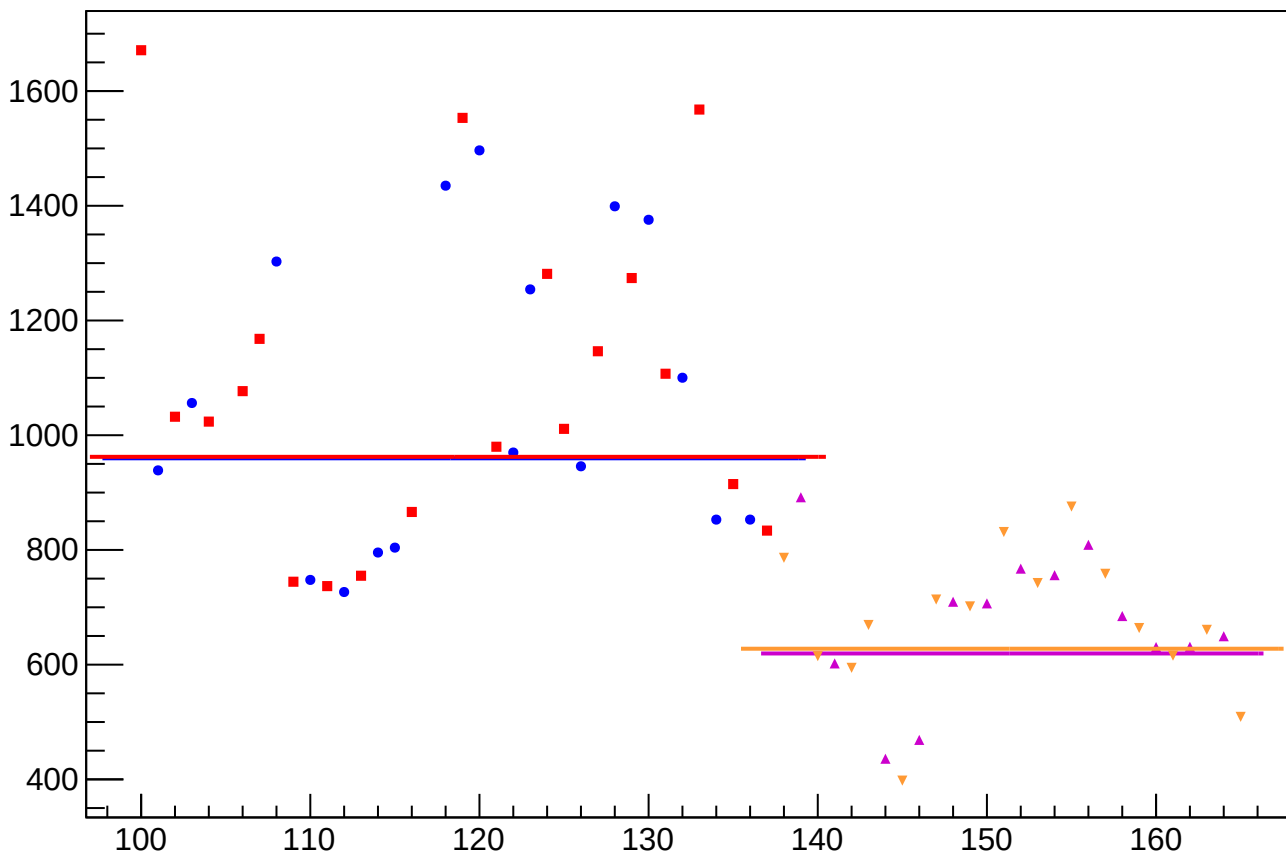
Left In: -73.083 ± 197.708 χ^2/NDF : 9.3/12

+ sign 984.216 ± 172.415 χ^2/NDF : 57.8/31

All: 554.946 ± 122.663 χ^2/NDF : 93.1/63

- sign 114.983 ± 174.549 χ^2/NDF : 22.7/31

asym_sam_37_avg_rms vs Slug



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 627.773 $\pm$ 0.136 χ^2 /NDF:987165.3/14

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

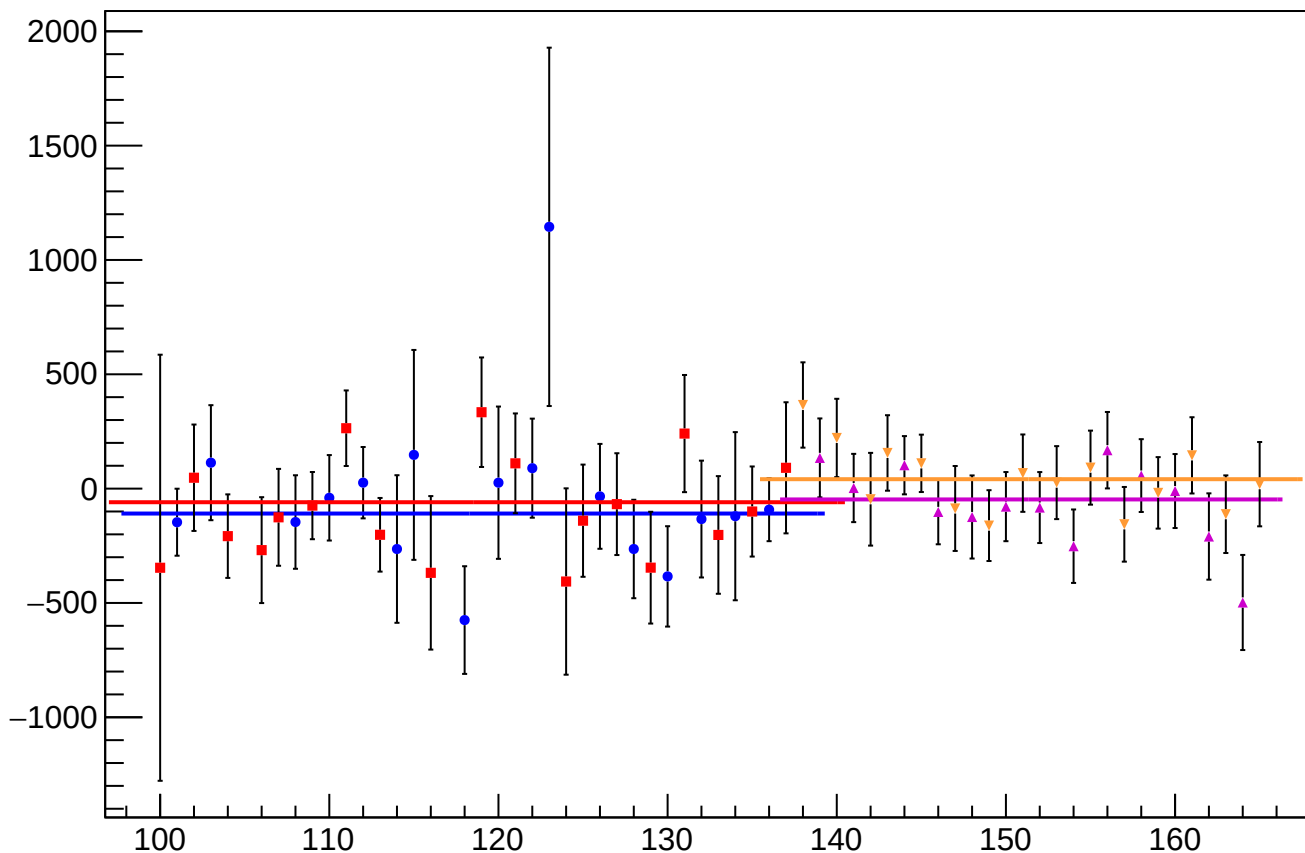
Left In: 619.503 $\pm$ 0.140 χ^2 /NDF:862062.4/12

+ sign 694.798 $\pm$ 0.122 χ^2 /NDF: 2828757.6/31

All: 694.952 $\pm$ 0.087 χ^2 /NDF: 5712768.3/63

- sign 695.110 $\pm$ 0.123 χ^2 /NDF: 2884007.5/31

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 41.236 ± 42.680 χ^2/NDF : 10.3/14

Right Out: -59.475 ± 50.822 χ^2/NDF : 14.9/18

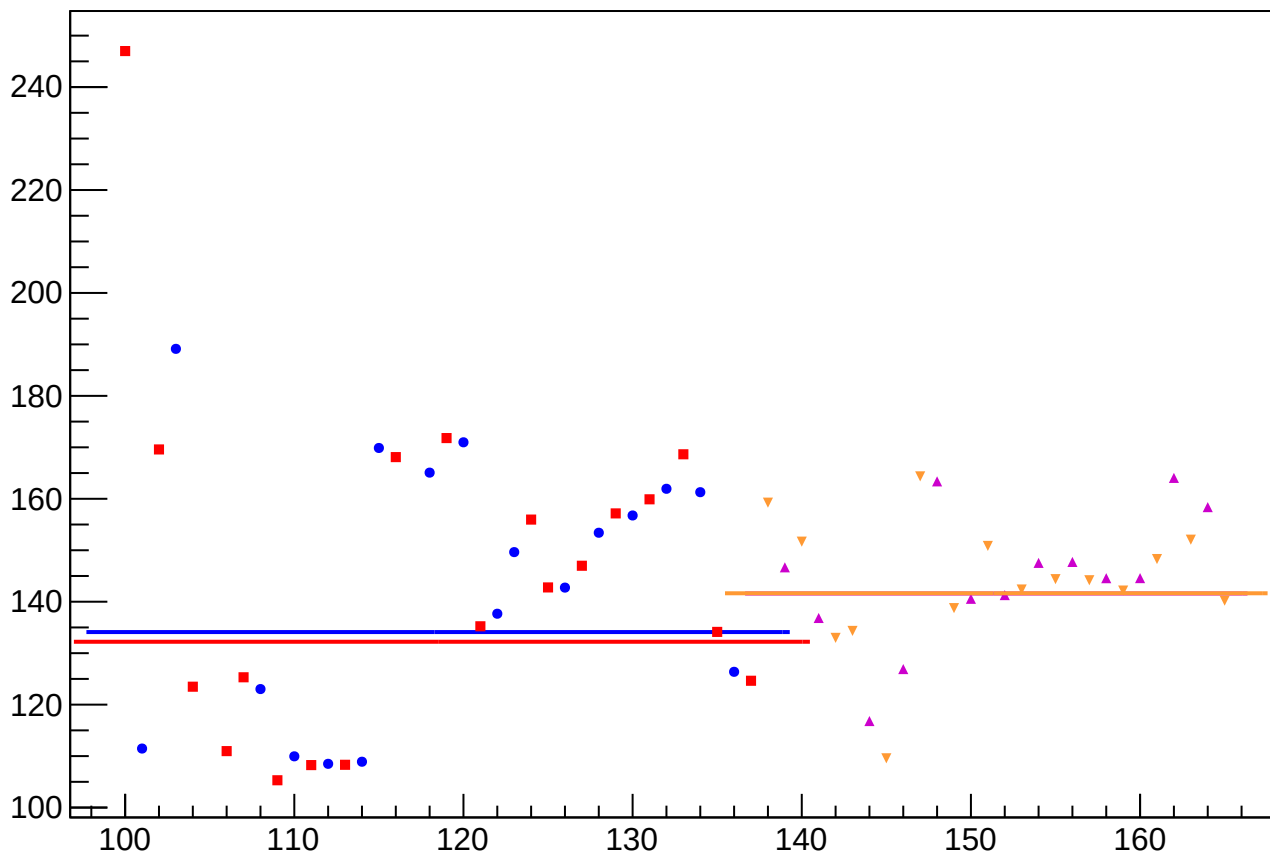
Left In: -47.296 ± 44.328 χ^2/NDF : 12.2/12

+ sign -17.959 ± 33.223 χ^2/NDF : 27.1/31

All: -35.163 ± 23.557 χ^2/NDF : 54.8/63

- sign -52.558 ± 33.406 χ^2/NDF : 27.1/31

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 141.640 $\pm$ 0.030 χ^2 /NDF: 211386.3/14

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

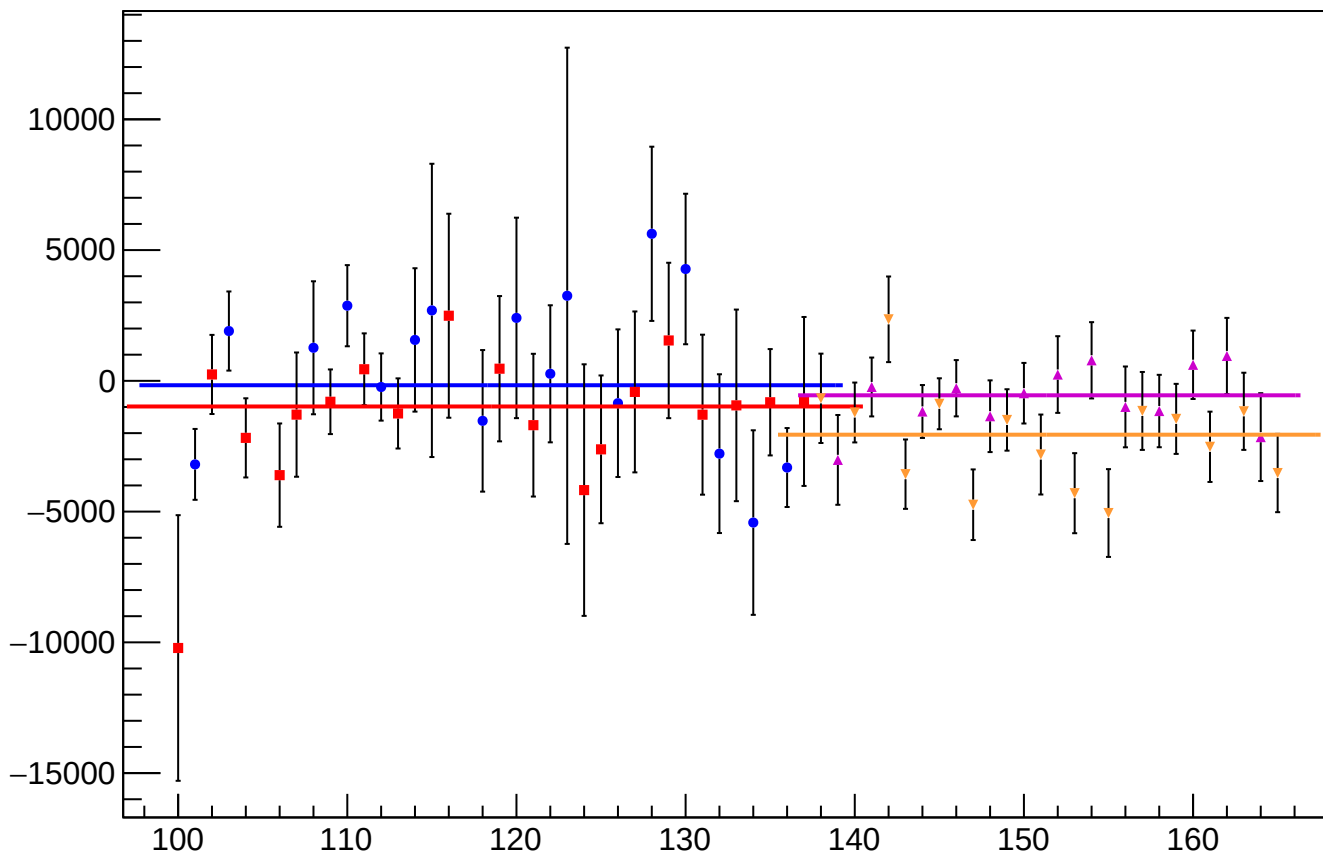
Left In: 141.595 $\pm$ 0.031 χ^2 /NDF: 178051.3/12

+ sign 138.670 $\pm$ 0.023 χ^2 /NDF: 638542.4/31

All: 138.110 $\pm$ 0.017 χ^2 /NDF: 1298136.6/63

- sign 137.544 $\pm$ 0.024 χ^2 /NDF: 658452.2/31

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -2059.290 ± 352.447 χ^2/NDF : 23.0/14

Right Out: -980.517 ± 480.968 χ^2/NDF : 10.2/18

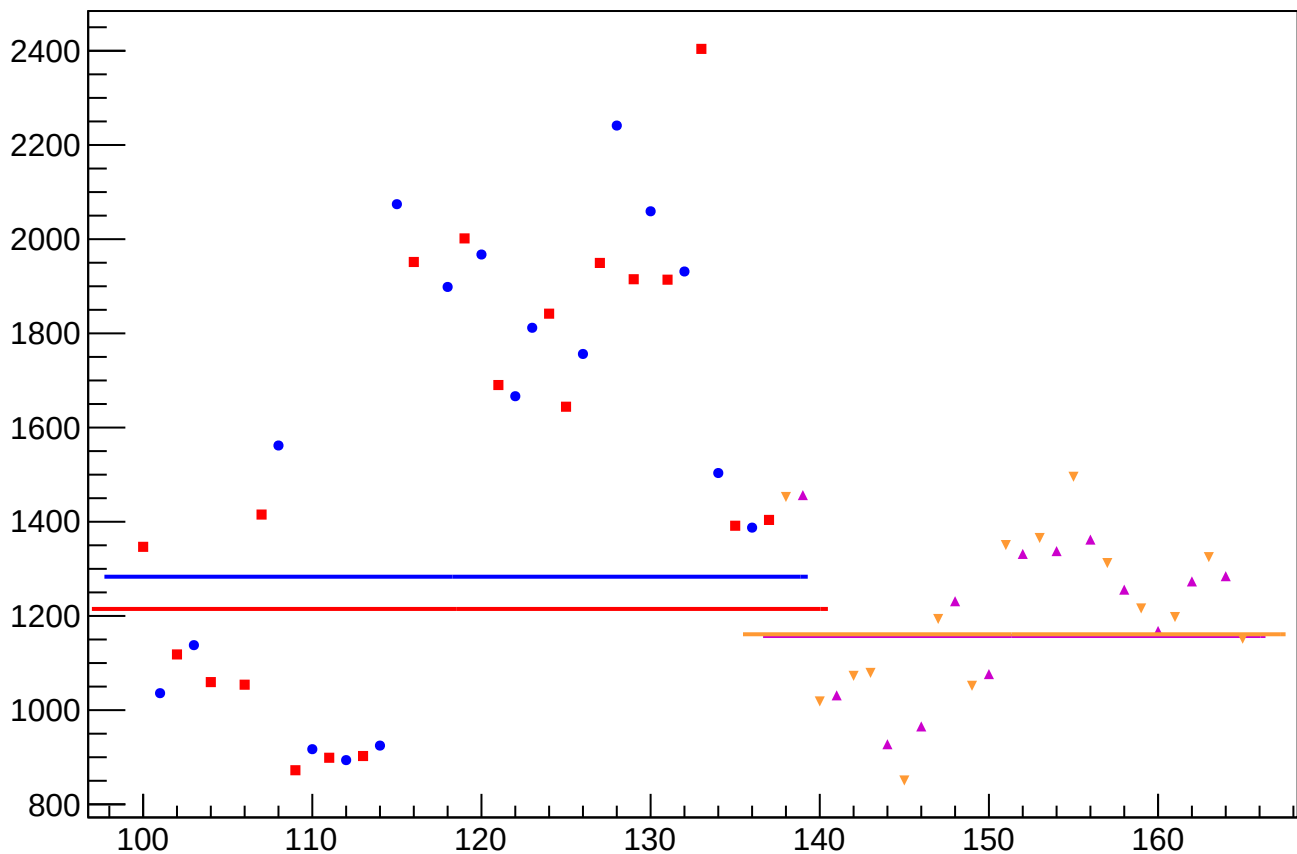
Left In: -553.120 ± 364.366 χ^2/NDF : 7.1/12

+ sign -1469.747 ± 292.392 χ^2/NDF : 57.3/31

All: -1086.800 ± 206.057 χ^2/NDF : 78.5/63

- sign -708.966 ± 290.434 χ^2/NDF : 17.8/31

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1161.096+/-0.249 χ^2/NDF : 520031.0/14

Right Out: 1214.883+/-0.340 χ^2/NDF : 1360860.3/18

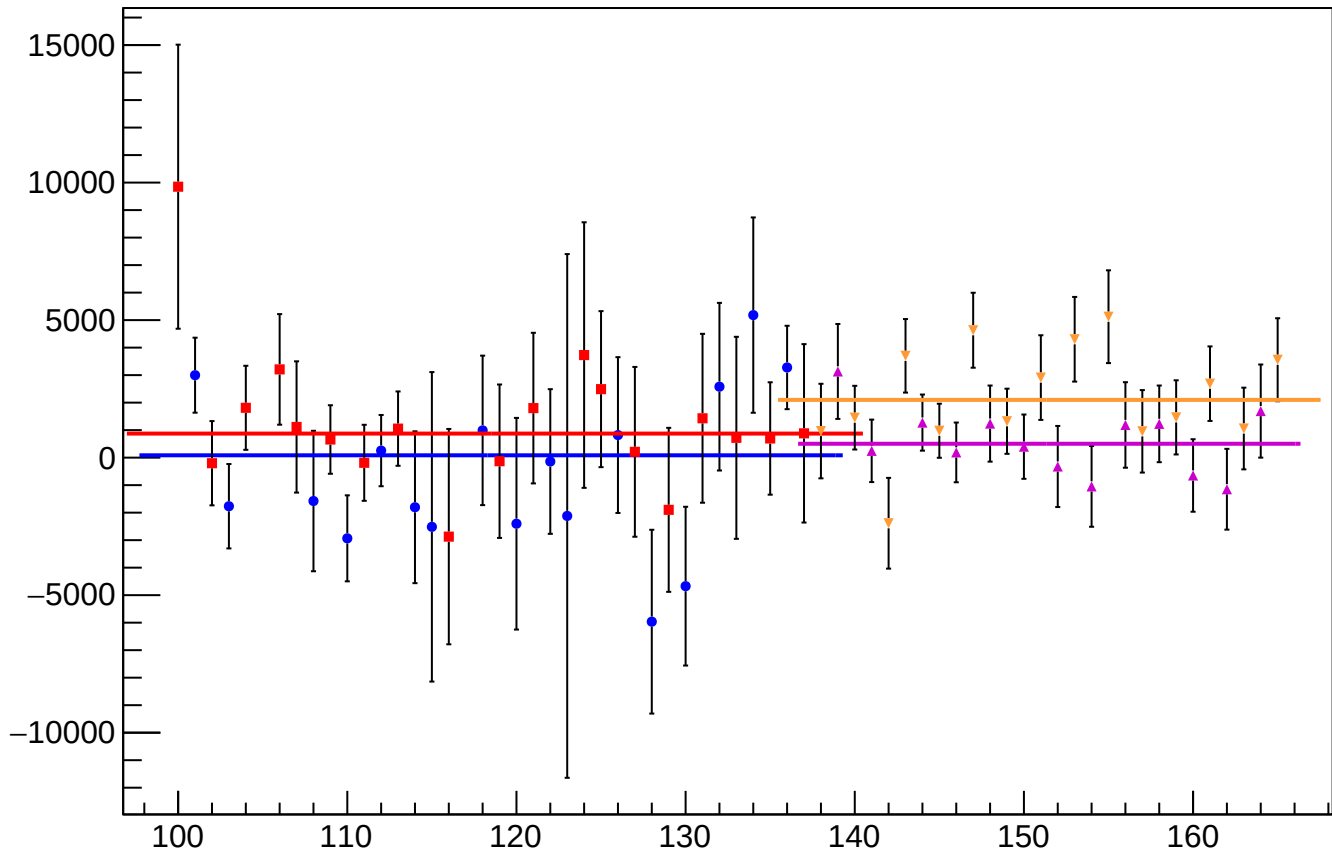
Left In: 1157.390+/-0.258 χ^2/NDF : 396425.0/12

+ sign 1199.199+/-0.207 χ^2/NDF : 1764443.2/31

All: 1188.707+/-0.146 χ^2/NDF : 3545002.6/63

- sign 1178.354+/-0.205 χ^2/NDF : 1775442.6/31

asym_sam_48_avg_mean vs Slug



Right In: 85.077 $\pm$ 527.082 χ^2 /NDF: 24.7/16

Left Out: 2099.547 $\pm$ 355.206 χ^2 /NDF:22.7/14

Right Out: 874.592 $\pm$ 484.647 χ^2 /NDF: 8.7/18

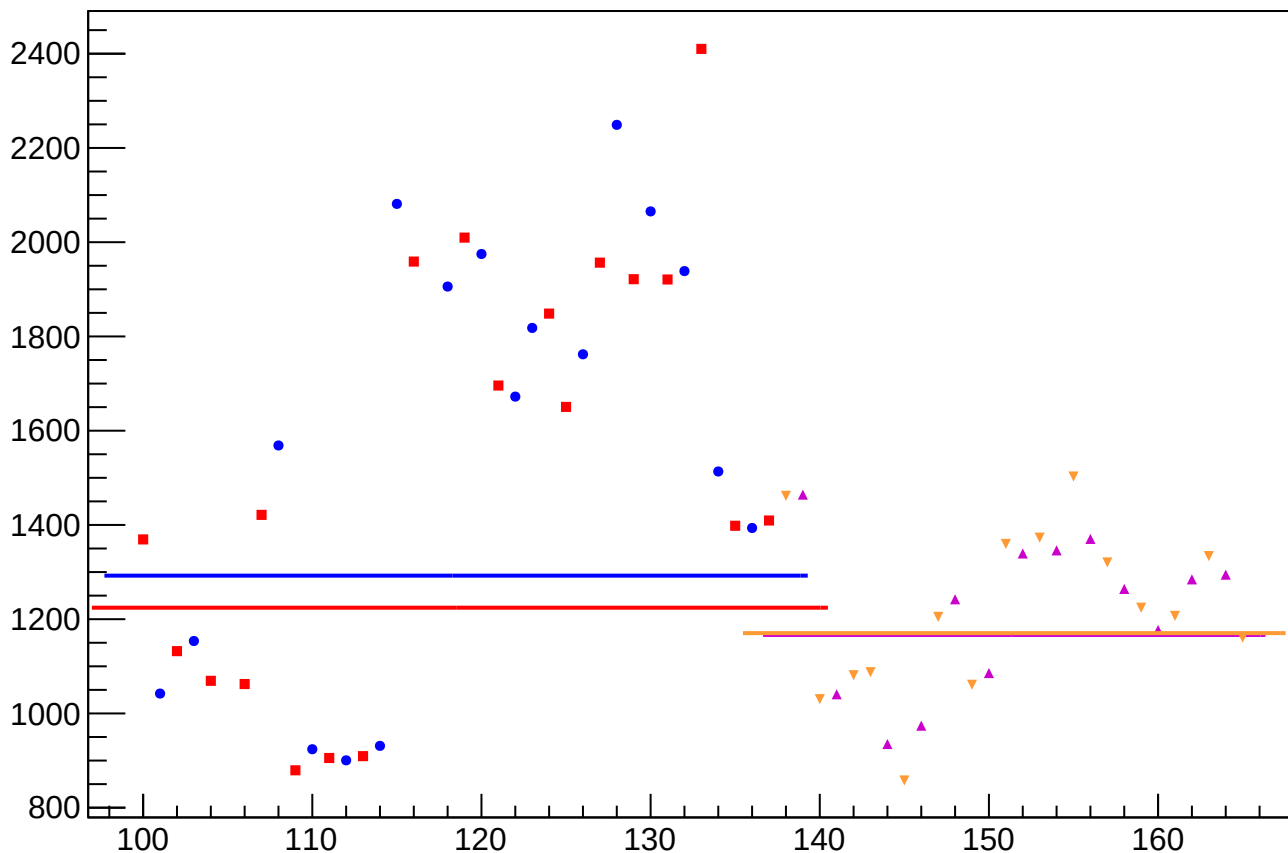
Left In: 504.590 $\pm$ 367.189 χ^2 /NDF:7.7/12

+ sign 1470.398 $\pm$ 294.561 χ^2 /NDF: 57.5/31

All: 1052.291 $\pm$ 207.616 χ^2 /NDF: 78.2/63

- sign 639.524 $\pm$ 292.674 χ^2 /NDF: 16.8/31

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1170.434+/-0.251 χ^2/NDF : 512647.0/14

Right Out: 1224.429+/-0.343 χ^2/NDF : 1345748.2/18

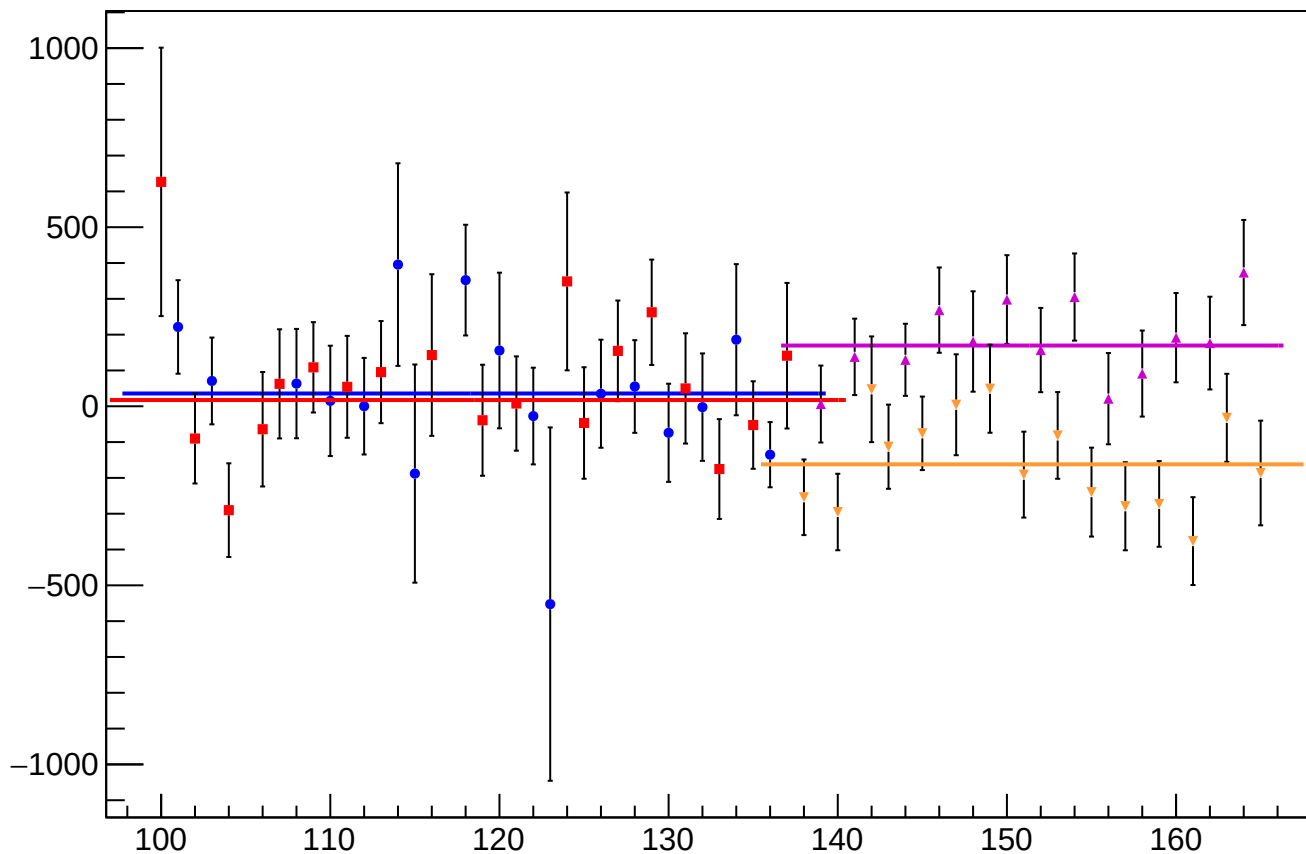
Left In: 1166.540+/-0.260 χ^2/NDF : 391574.1/12

+ sign 1208.534+/-0.208 χ^2/NDF : 1742898.5/31

All: 1198.026+/-0.147 χ^2/NDF : 3503407.4/63

- sign 1187.651+/-0.207 χ^2/NDF : 1755450.7/31

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -162.105+/-31.229 χ^2/NDF : 16.4/14

Right Out: 17.418+/-34.691 χ^2/NDF : 18.9/18

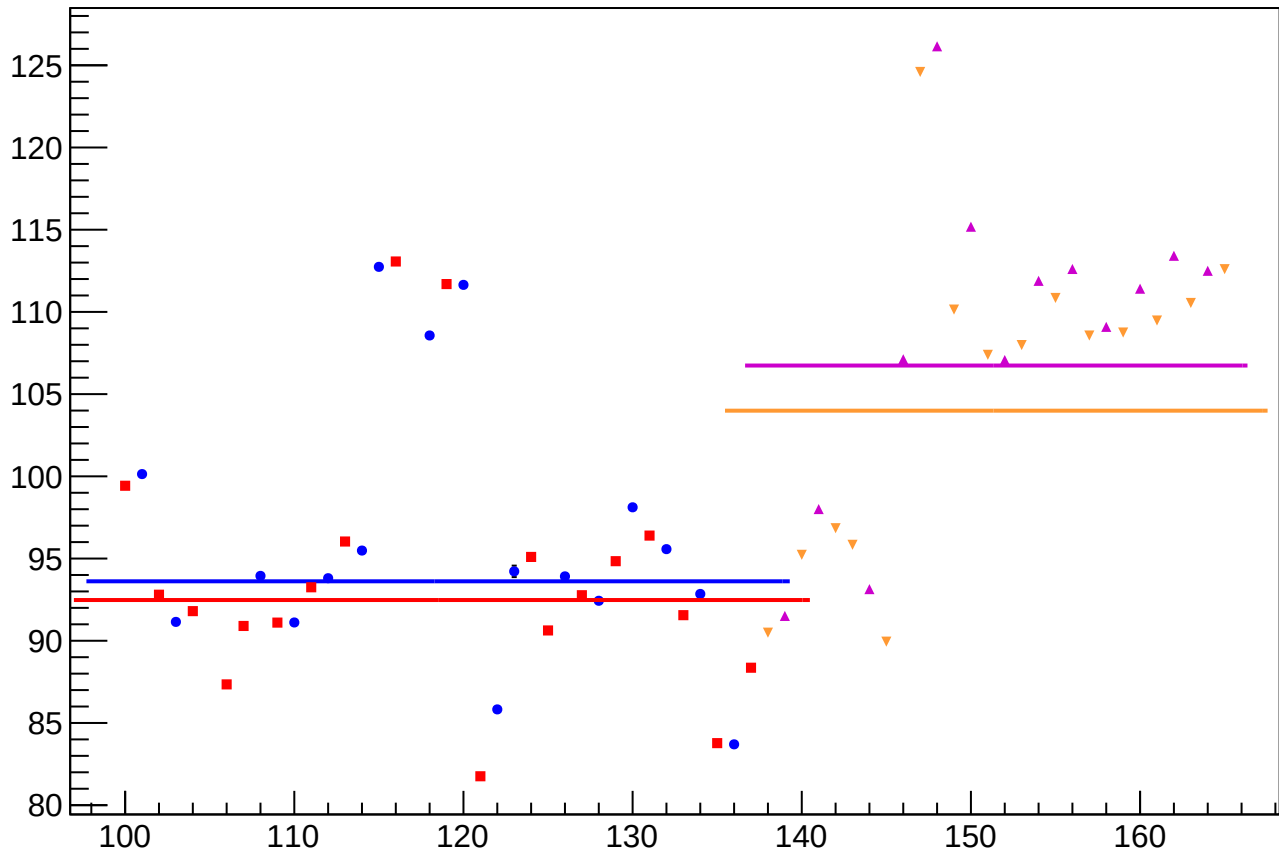
Left In: 169.579+/-33.319 χ^2/NDF : 9.3/12

+ sign -78.117+/-23.688 χ^2/NDF : 48.7/31

All: 7.971+/-16.870 χ^2/NDF : 113.8/63

- sign 96.567+/-24.030 χ^2/NDF : 38.2/31

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 103.994+/-0.022 χ^2/NDF : 178154.5/14

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

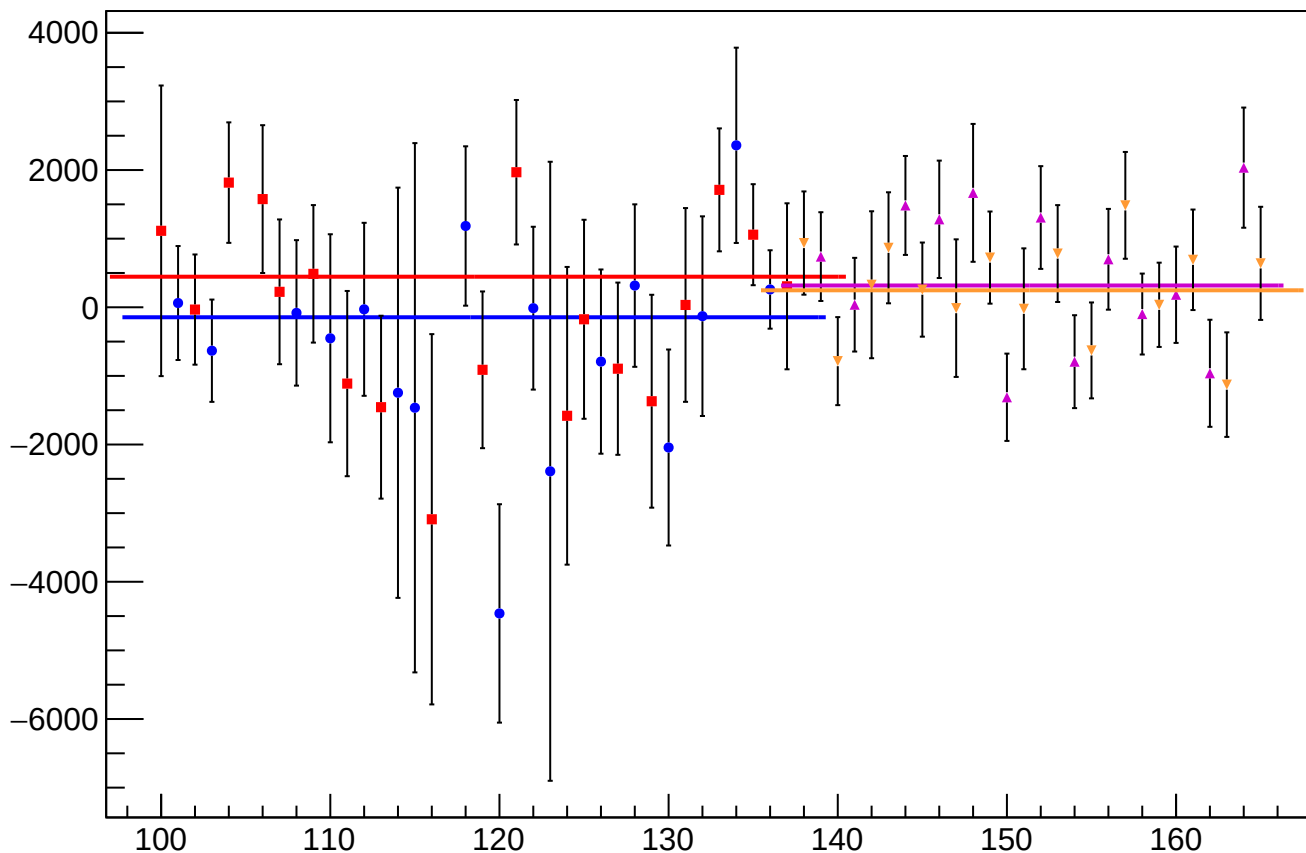
Left In: 106.739+/-0.024 χ^2/NDF : 157575.0/12

+ sign 99.587+/-0.017 χ^2/NDF : 351872.8/31

All: 99.739+/-0.012 χ^2/NDF : 764035.5/63

- sign 99.896+/-0.017 χ^2/NDF : 411995.1/31

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 247.466 ± 193.738 χ^2/NDF : 13.3/14

Right Out: 445.575 ± 260.276 χ^2/NDF : 19.0/18

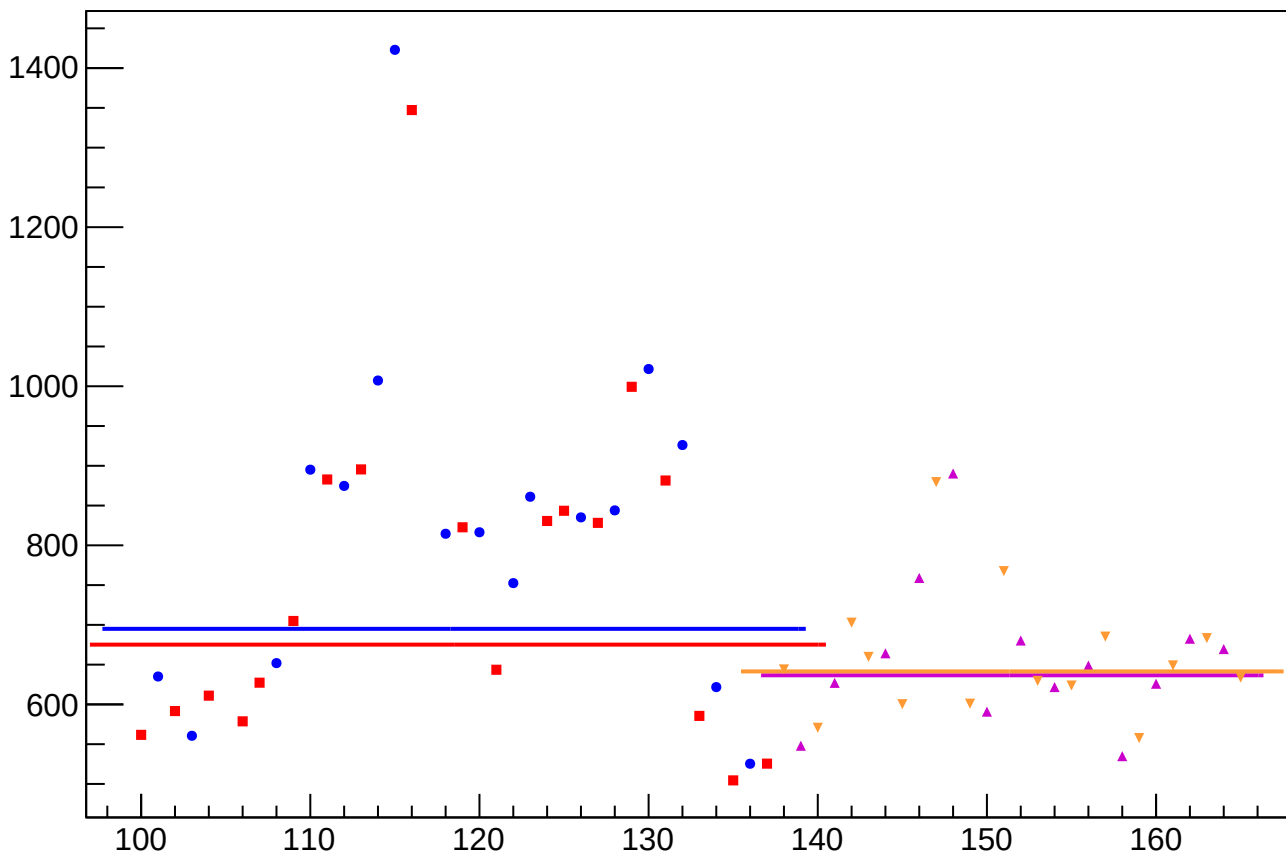
Left In: 317.597 ± 200.161 χ^2/NDF : 24.6/12

+ sign 118.160 ± 158.690 χ^2/NDF : 30.2/31

All: 241.676 ± 112.203 χ^2/NDF : 75.1/63

- sign 365.157 ± 158.667 χ^2/NDF : 43.8/31

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 641.470 $\pm$ 0.137 χ^2 /NDF: 252019.8/14

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

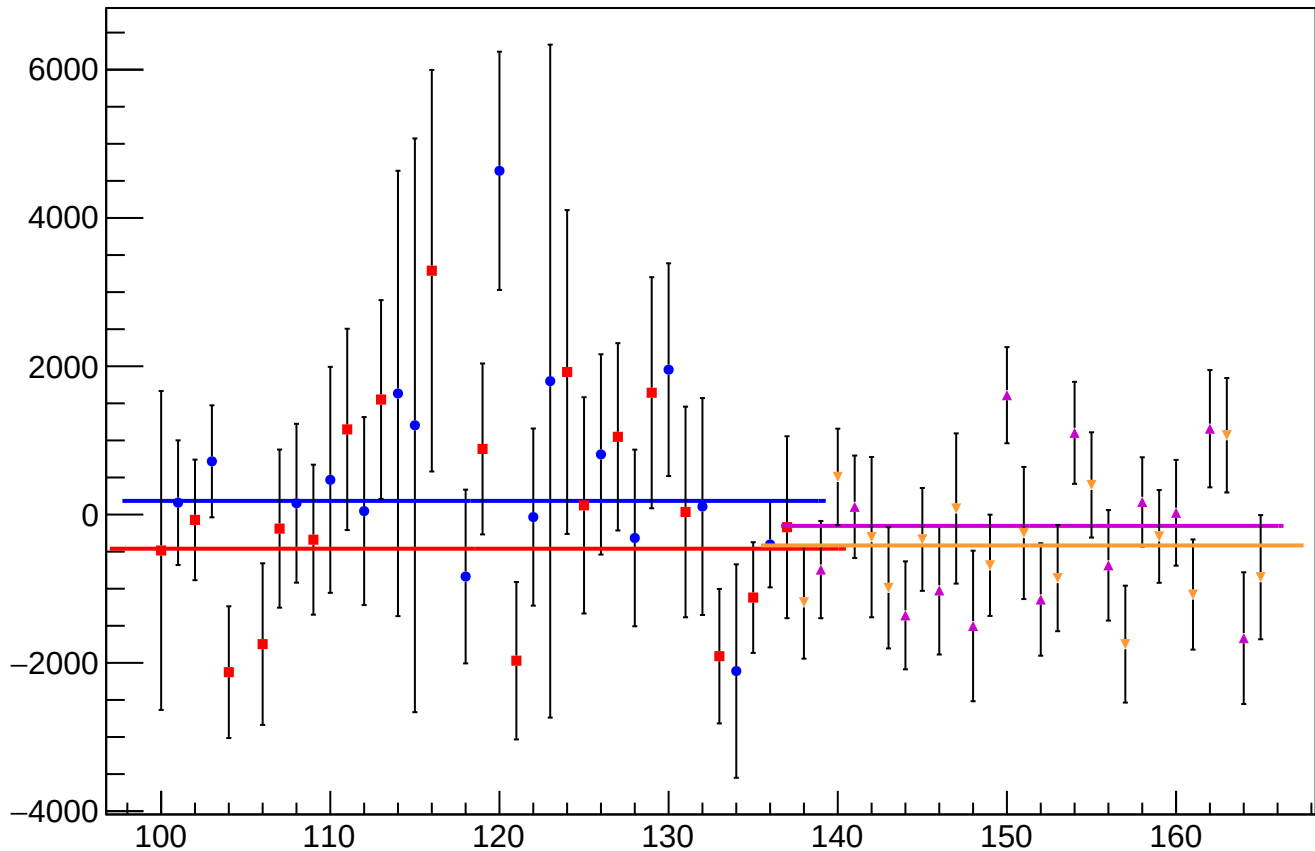
Left In: 636.609 $\pm$ 0.142 χ^2 /NDF: 297664.5/12

+ sign 659.090 $\pm$ 0.112 χ^2 /NDF: 980004.9/31

All: 655.011 $\pm$ 0.079 χ^2 /NDF: 1984264.0/63

- sign 650.932 $\pm$ 0.112 χ^2 /NDF: 1001616.0/31

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -416.219 ± 196.417 χ^2/NDF : 13.3/14

Right Out: -460.174 ± 262.960 χ^2/NDF : 22.3/18

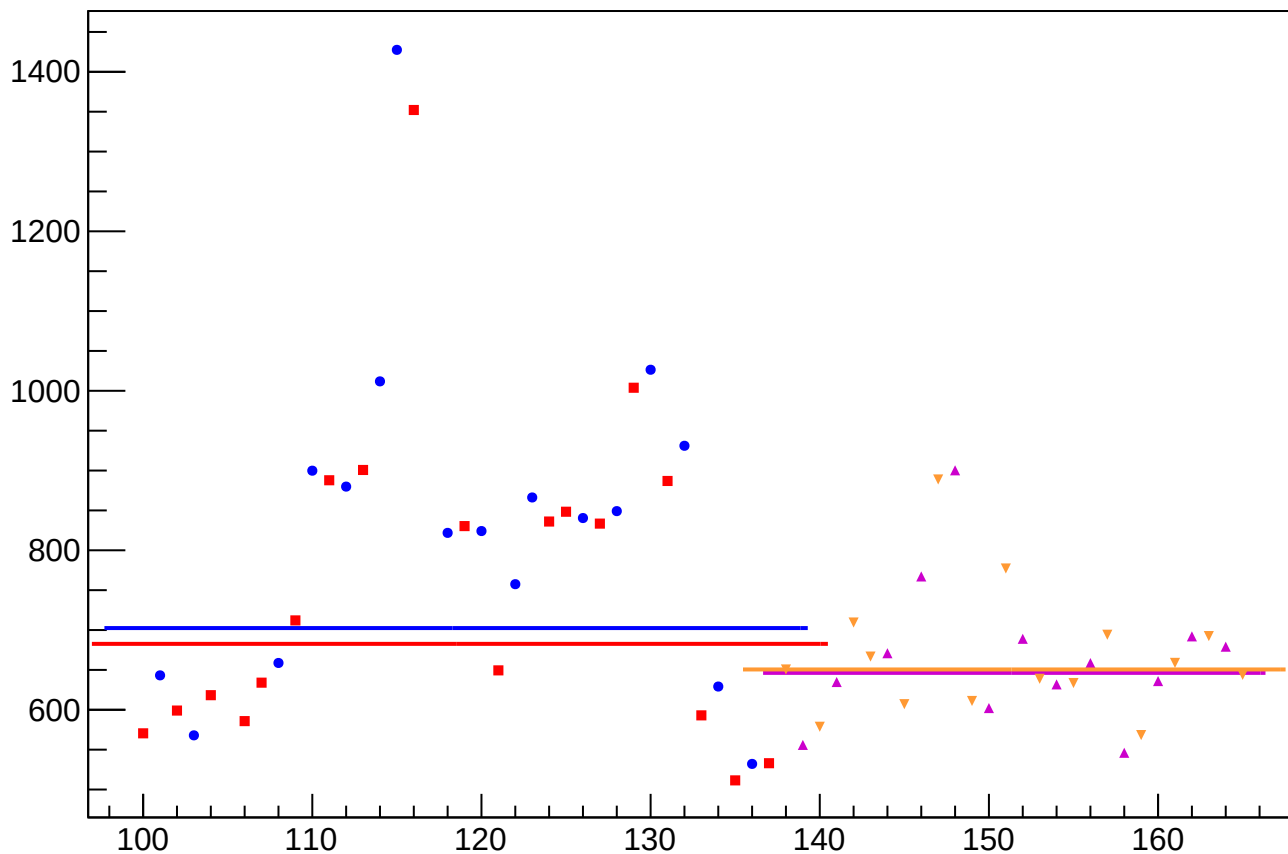
Left In: -152.762 ± 203.120 χ^2/NDF : 25.4/12

+ sign -217.518 ± 160.683 χ^2/NDF : 31.4/31

All: -242.568 ± 113.643 χ^2/NDF : 80.0/63

- sign -267.639 ± 160.748 χ^2/NDF : 48.6/31

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 650.563+/-0.139 χ^2/NDF : 245367.8/14

Right Out: 682.662+/-0.186 χ^2/NDF : 659521.7/18

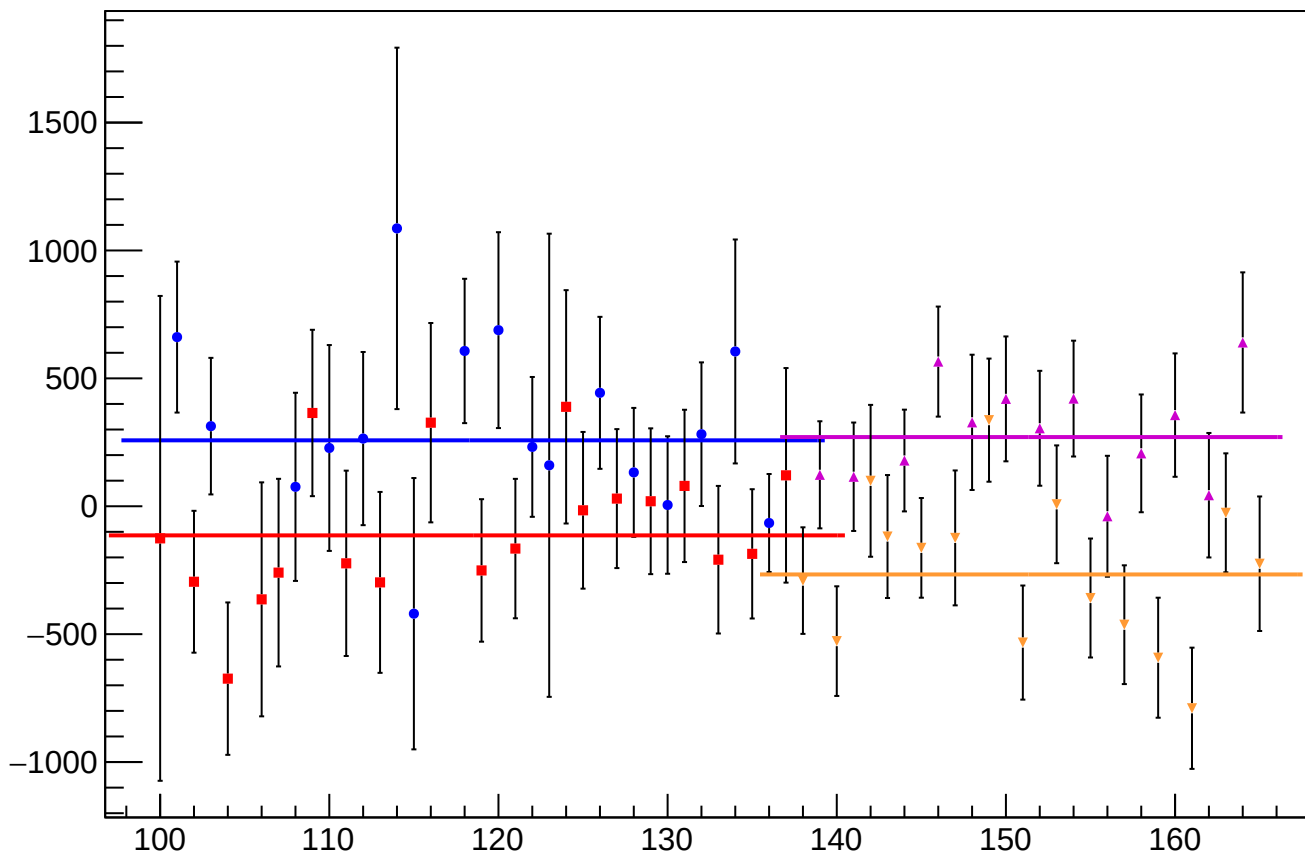
Left In: 646.284+/-0.144 χ^2/NDF : 287382.2/12

+ sign 667.731+/-0.114 χ^2/NDF : 952091.5/31

All: 663.806+/-0.080 χ^2/NDF : 1925354.6/63

- sign 659.878+/-0.114 χ^2/NDF : 970875.5/31

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -266.574 ± 60.151 $\chi^2/\text{NDF}: 21.9/14$

Right Out: -113.851 ± 74.211 $\chi^2/\text{NDF}: 11.2/18$

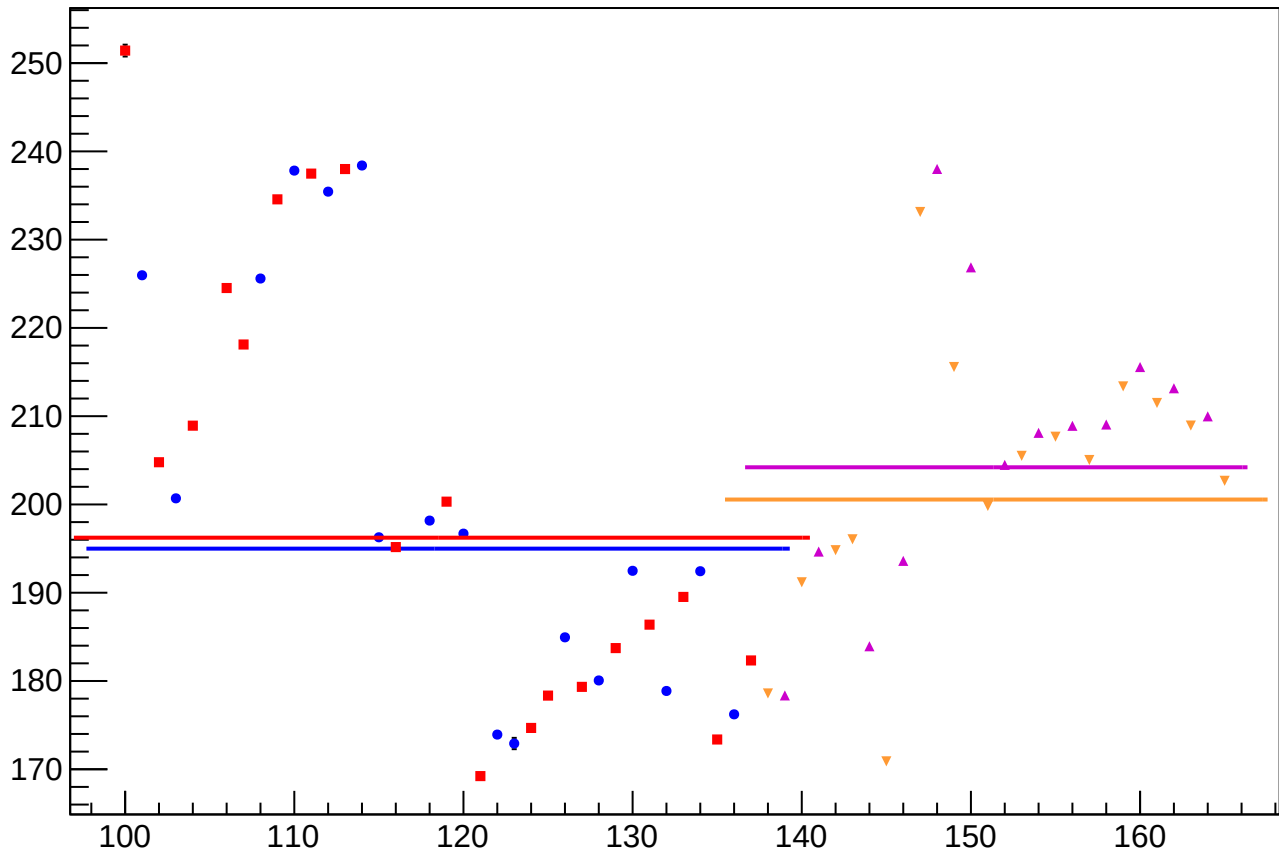
Left In: 270.498 ± 63.689 $\chi^2/\text{NDF}: 8.6/12$

+ sign -64.416 ± 47.150 $\chi^2/\text{NDF}: 64.2/31$

All: 19.406 ± 33.750 $\chi^2/\text{NDF}: 106.0/63$

- sign 107.480 ± 48.331 $\chi^2/\text{NDF}: 35.3/31$

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 ± 0.054 $\chi^2/\text{NDF}: 144271.1/16$

Left Out: 200.557 ± 0.043 $\chi^2/\text{NDF}: 128686.9/14$

Right Out: 196.235 ± 0.052 $\chi^2/\text{NDF}: 173491.6/18$

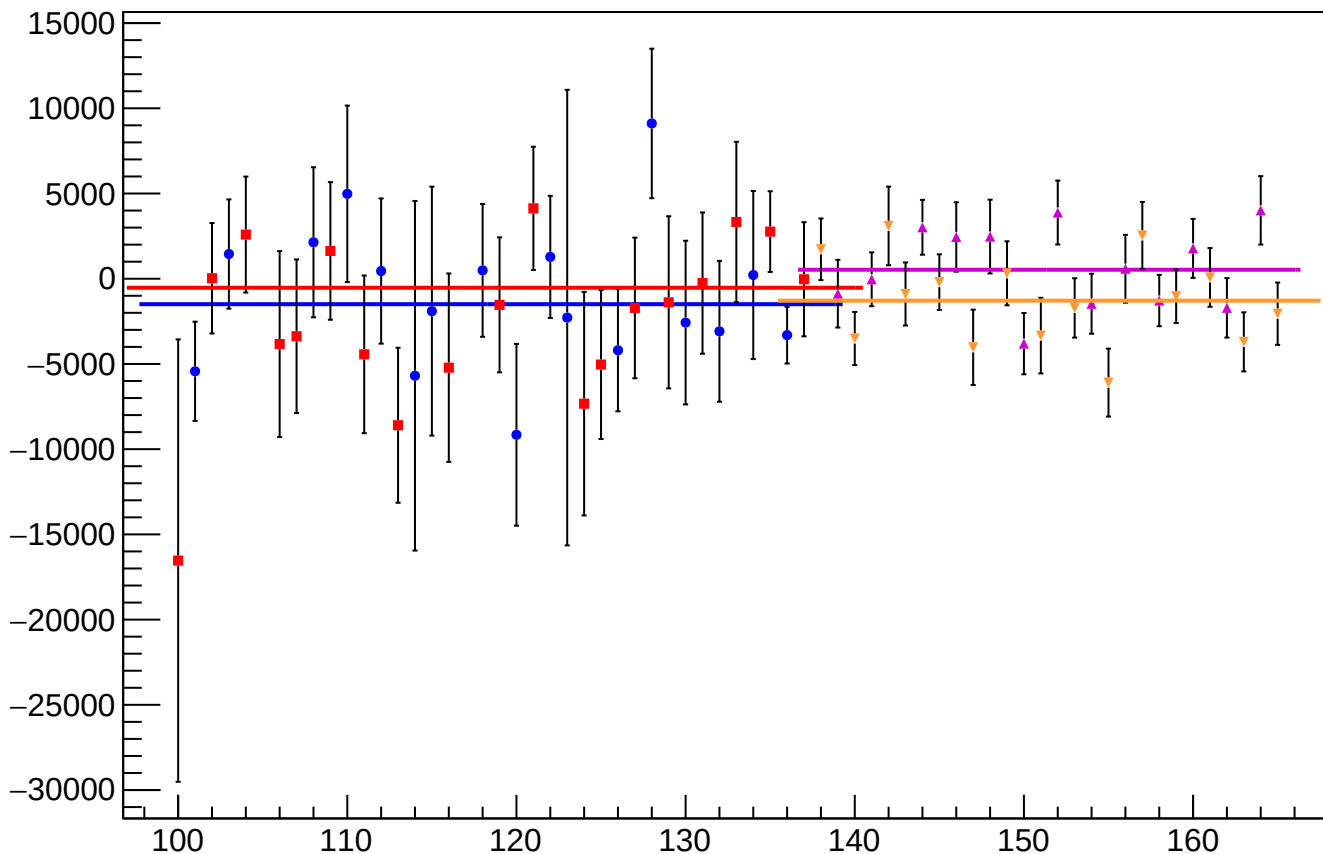
Left In: 204.211 ± 0.045 $\chi^2/\text{NDF}: 120389.2/12$

+ sign 198.412 ± 0.033 $\chi^2/\text{NDF}: 279553.9/31$

All: 199.590 ± 0.024 $\chi^2/\text{NDF}: 589298.0/63$

- sign 200.828 ± 0.034 $\chi^2/\text{NDF}: 307184.3/31$

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -1286.841 ± 472.476 χ^2/NDF : 24.5/14

Right Out: -528.758 ± 934.718 χ^2/NDF : 14.6/18

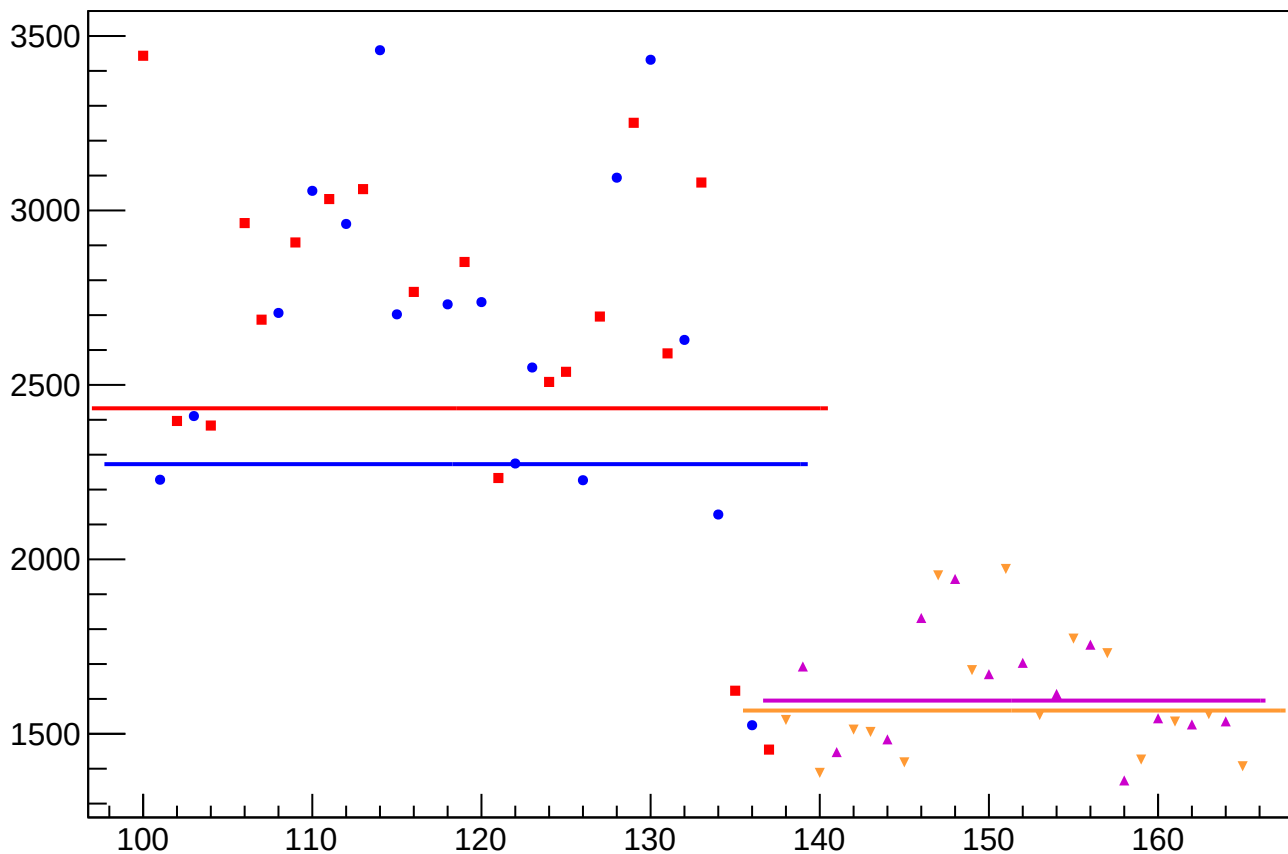
Left In: 527.657 ± 499.001 χ^2/NDF : 21.6/12

+ sign -1330.612 ± 419.407 χ^2/NDF : 40.7/31

All: -557.887 ± 303.650 χ^2/NDF : 85.1/63

- sign 293.356 ± 440.200 χ^2/NDF : 37.3/31

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1566.705+/-0.334 χ^2/NDF : 250148.9/14

Right Out: 2432.950+/-0.661 χ^2/NDF : 680783.9/18

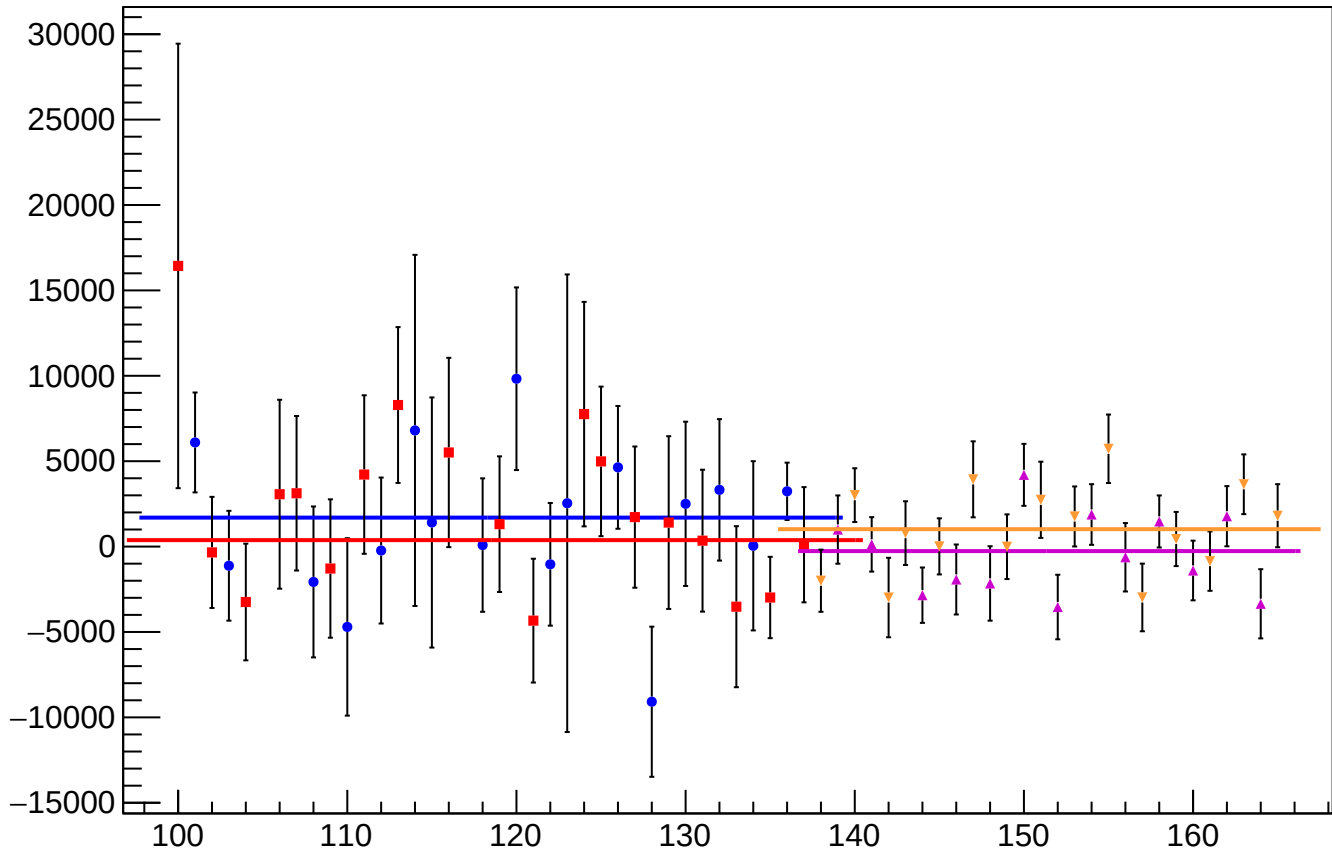
Left In: 1595.226+/-0.353 χ^2/NDF : 187000.8/12

+ sign 1716.434+/-0.297 χ^2/NDF : 2003109.0/31

All: 1747.167+/-0.215 χ^2/NDF : 4143631.6/63

- sign 1781.024+/-0.311 χ^2/NDF : 2117952.7/31

asym_sam_26_dd_mean vs Slug



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 1019.040+/-476.509 χ^2/NDF : 23.8/14

Right Out: 377.629+/-938.528 χ^2/NDF : 15.0/18

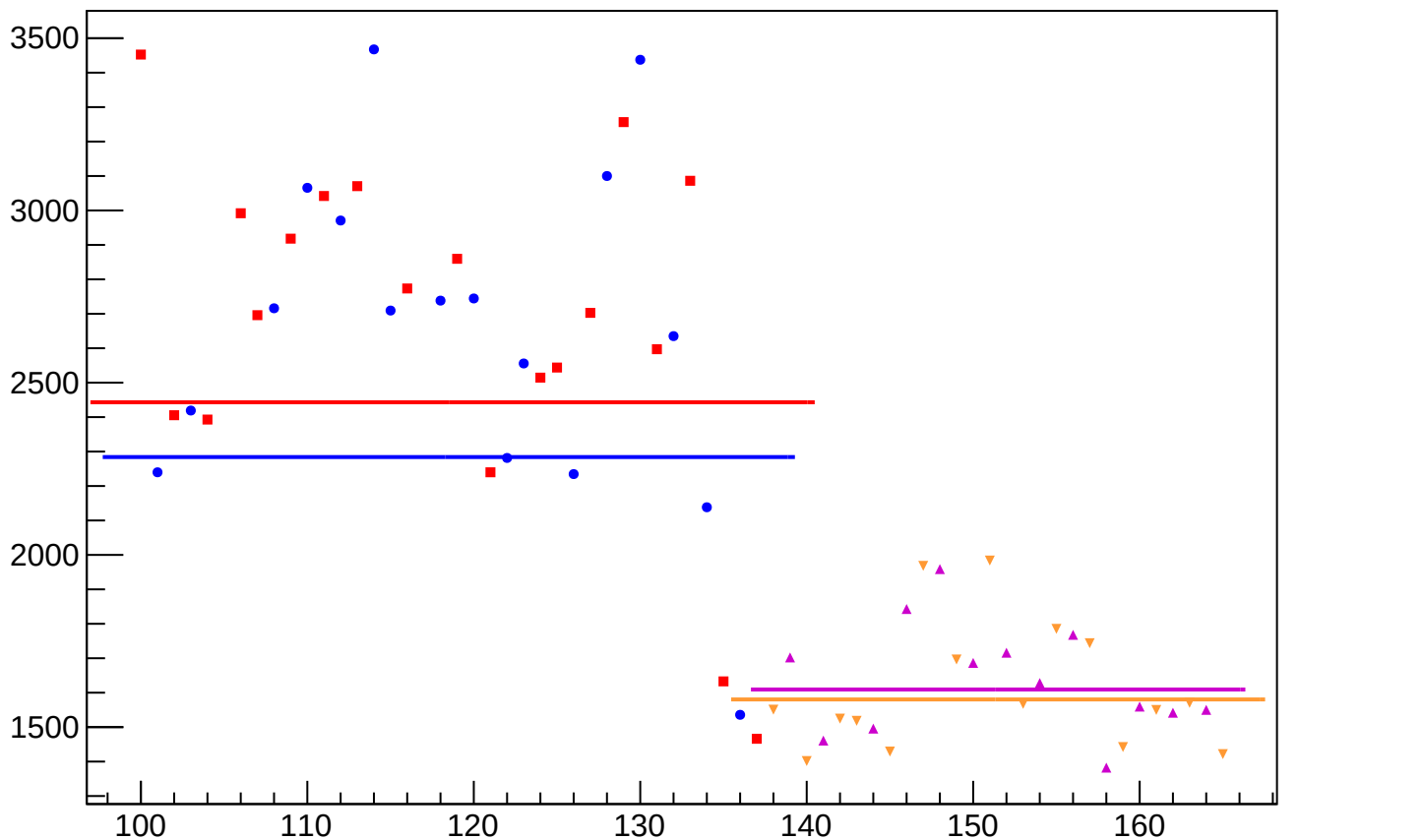
Left In: -263.969+/-503.287 χ^2/NDF : 20.3/12

+ sign 1163.493+/-422.618 χ^2/NDF : 40.8/31

All: 552.407+/-305.965 χ^2/NDF : 80.9/63

- sign -120.674+/-443.538 χ^2/NDF : 35.7/31

asym_sam_26_dd_rms vs Slug



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1580.375 $\pm$ 0.337 χ^2 /NDF: 245456.8/14

Right Out: 2443.124 $\pm$ 0.664 χ^2 /NDF: 672899.9/18

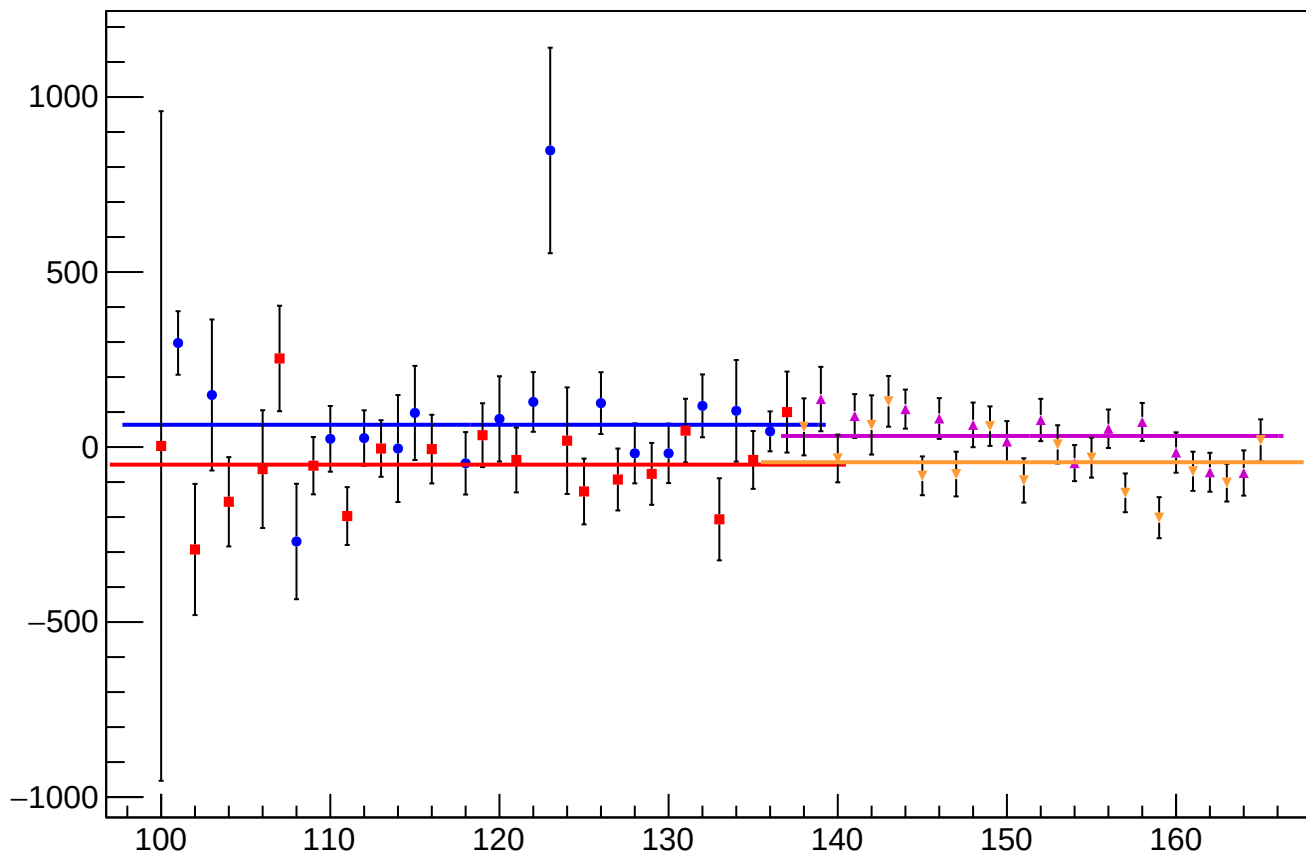
Left In: 1609.200 $\pm$ 0.356 χ^2 /NDF: 182304.4/12

+ sign 1730.550 $\pm$ 0.299 χ^2 /NDF: 1970323.6/31

All: 1761.433 $\pm$ 0.216 χ^2 /NDF: 4074333.7/63

- sign 1795.449 $\pm$ 0.314 χ^2 /NDF: 2081566.1/31

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -43.305 ± 15.737 χ^2/NDF : 26.9/14

Right Out: -50.278 ± 23.661 χ^2/NDF : 16.8/18

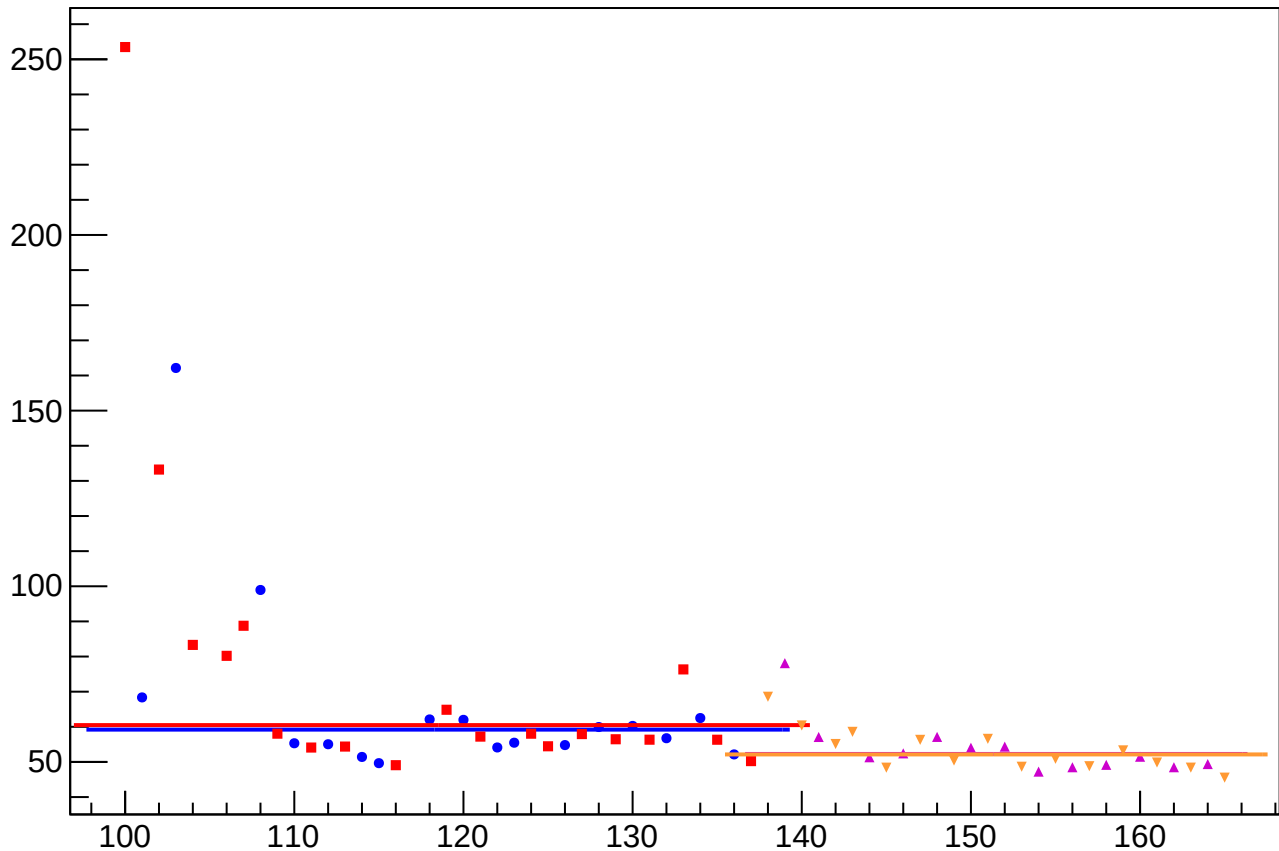
Left In: 31.725 ± 16.402 χ^2/NDF : 15.5/12

+ sign -10.655 ± 13.117 χ^2/NDF : 64.7/31

All: -2.988 ± 9.401 χ^2/NDF : 105.8/63

- sign 5.109 ± 13.480 χ^2/NDF : 40.4/31

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 52.137 $\pm$ 0.011 χ^2 /NDF: 213384.3/14

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

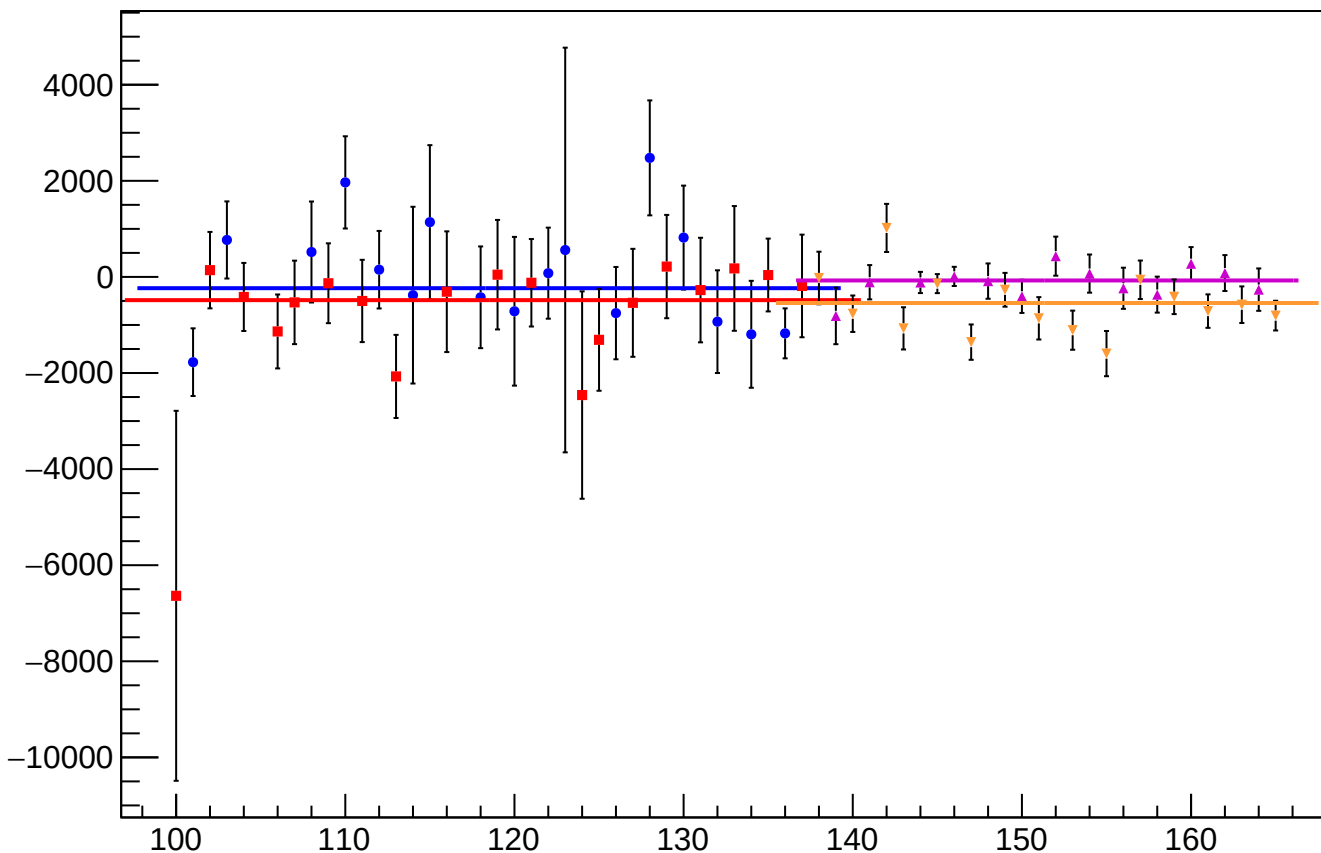
Left In: 52.269 $\pm$ 0.012 χ^2 /NDF: 235059.5/12

+ sign 54.293 $\pm$ 0.009 χ^2 /NDF: 1001832.5/31

All: 54.605 $\pm$ 0.007 χ^2 /NDF: 2082095.7/63

- sign 54.935 $\pm$ 0.010 χ^2 /NDF: 1077934.7/31

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -542.789 ± 92.979 χ^2/NDF : 32.1/14

Right Out: -483.305 ± 222.314 χ^2/NDF : 10.6/18

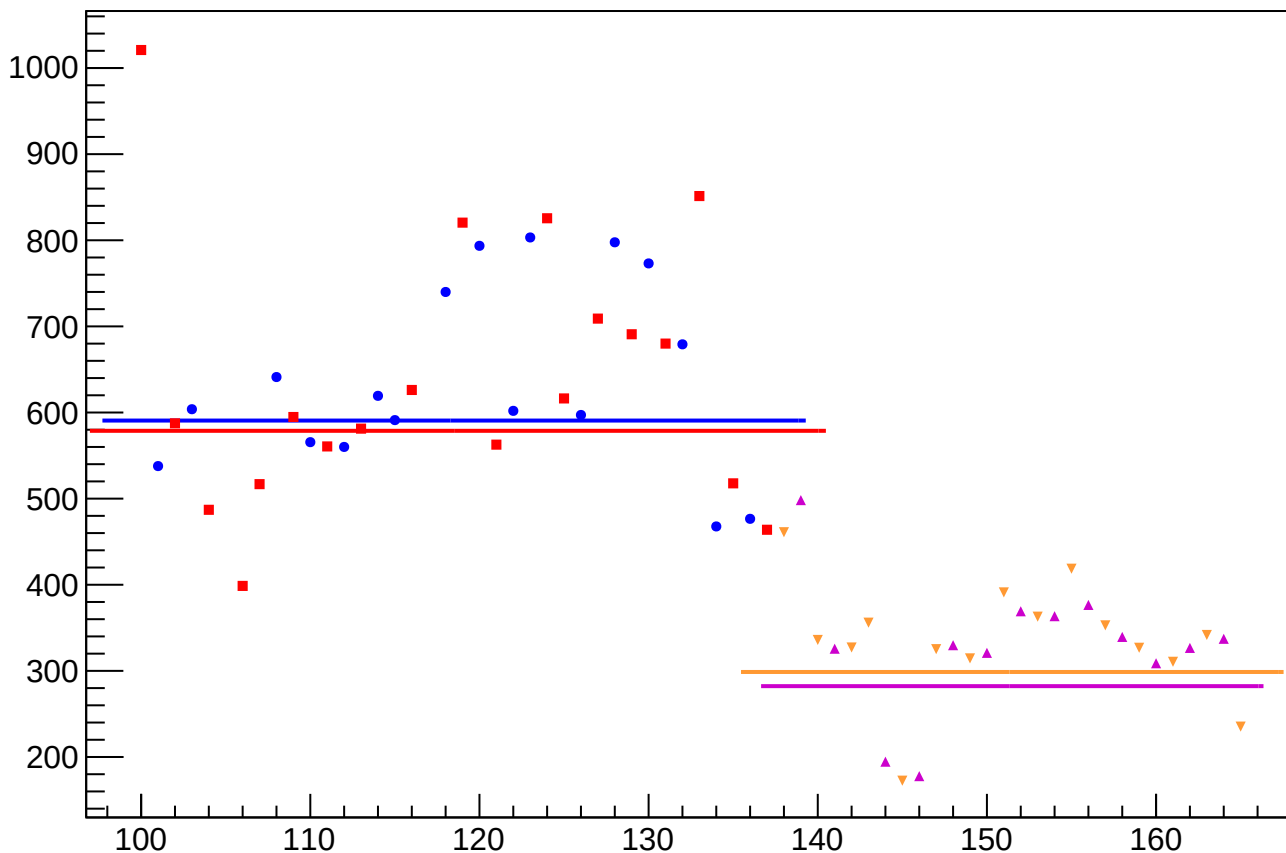
Left In: -73.822 ± 92.135 χ^2/NDF : 6.5/12

+ sign -500.714 ± 86.401 χ^2/NDF : 57.8/31

All: -314.527 ± 60.635 χ^2/NDF : 86.9/63

- sign -133.844 ± 85.115 χ^2/NDF : 20.0/31

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 298.725 $\pm$ 0.066 χ^2 /NDF: 1491257.6/14

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

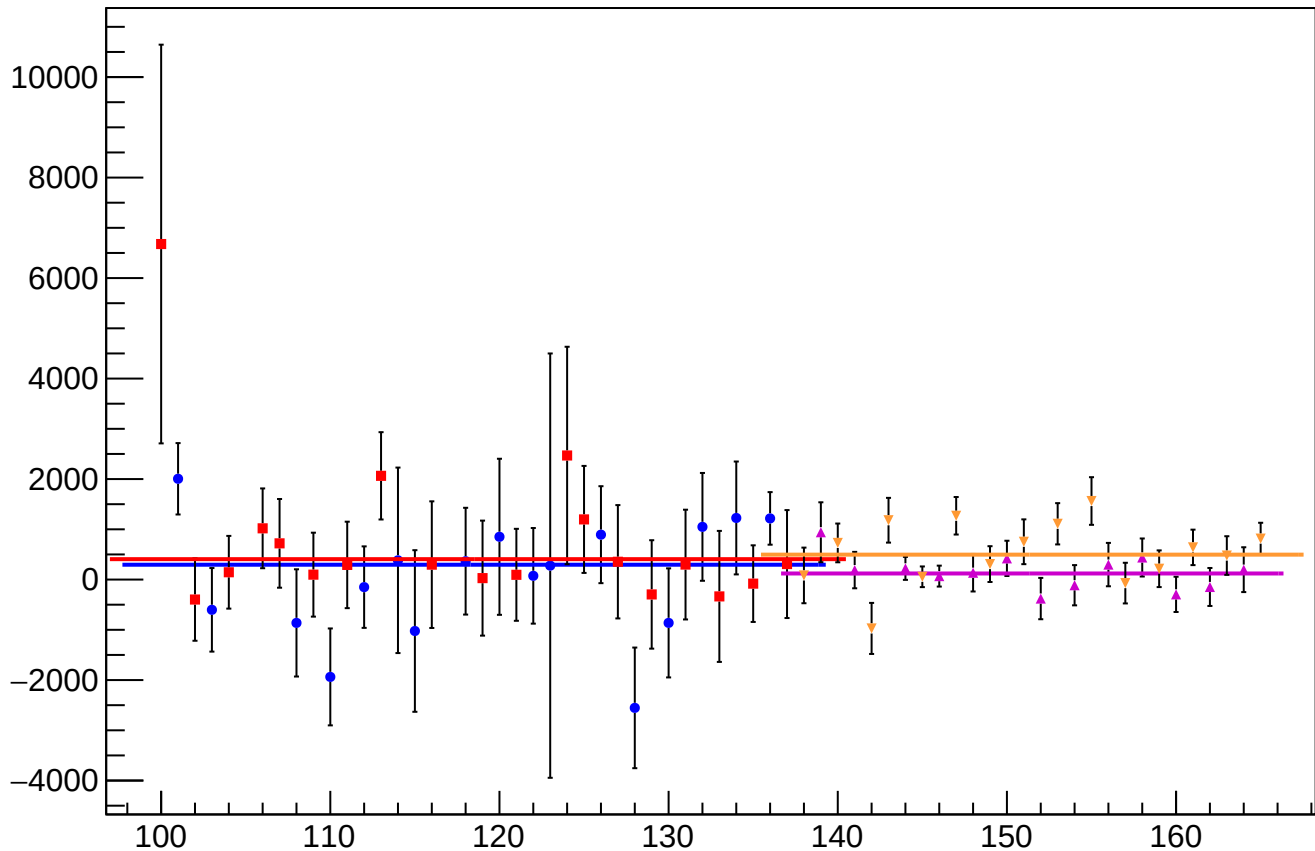
Left In: 282.265 $\pm$ 0.065 χ^2 /NDF: 1612219.2/12

+ sign 338.567 $\pm$ 0.061 χ^2 /NDF: 4534187.6/31

All: 332.049 $\pm$ 0.043 χ^2 /NDF: 9698587.7/63

- sign 325.725 $\pm$ 0.060 χ^2 /NDF: 5141977.3/31

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 495.885 $\pm$ 94.713 χ^2 /NDF:32.2/14

Right Out: 406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

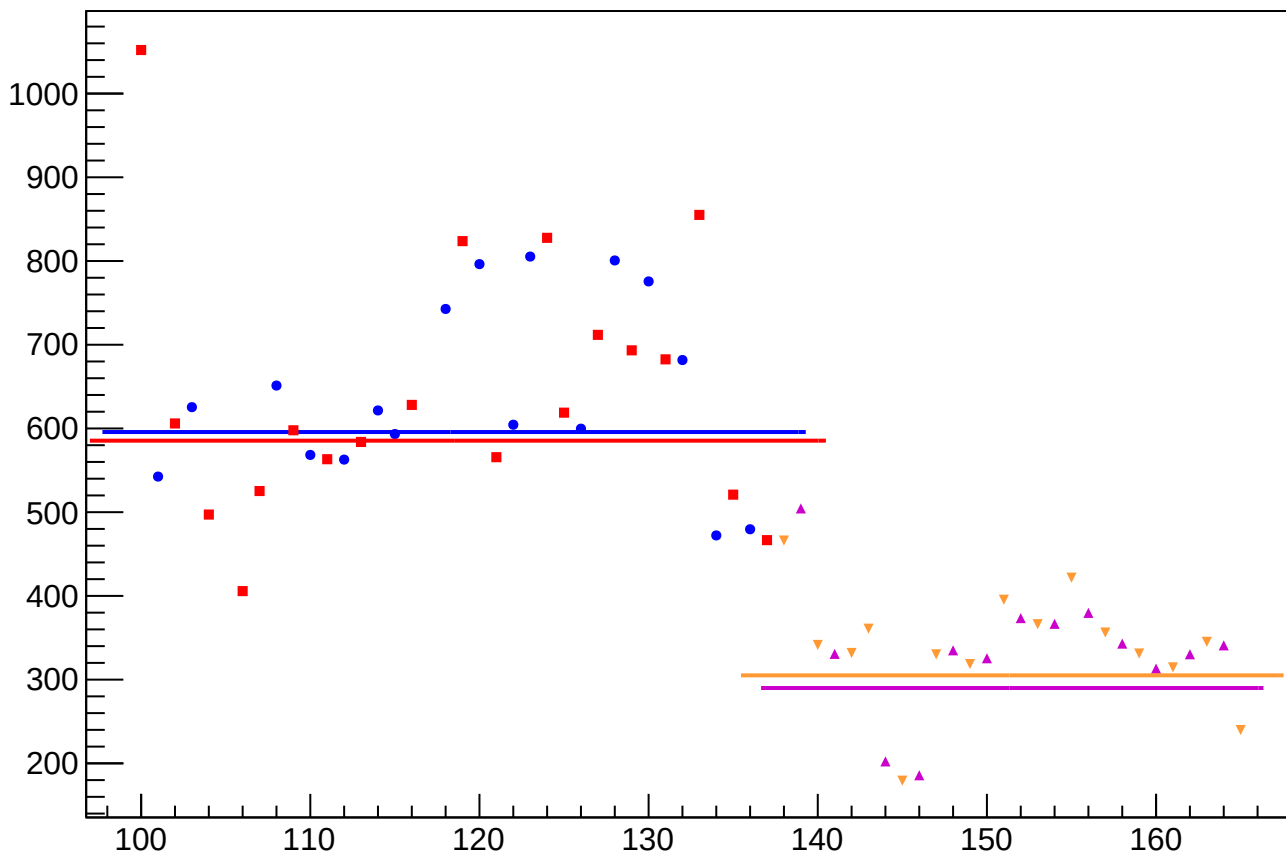
Left In: 121.141 $\pm$ 94.258 χ^2 /NDF:7.6/12

+ sign 468.045 $\pm$ 87.892 χ^2 /NDF: 58.9/31

All: 314.218 $\pm$ 61.806 χ^2 /NDF: 84.9/63

- sign 163.740 $\pm$ 86.929 χ^2 /NDF: 19.9/31

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 305.122 $\pm$ 0.067 χ^2 /NDF:1382612.5/14

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

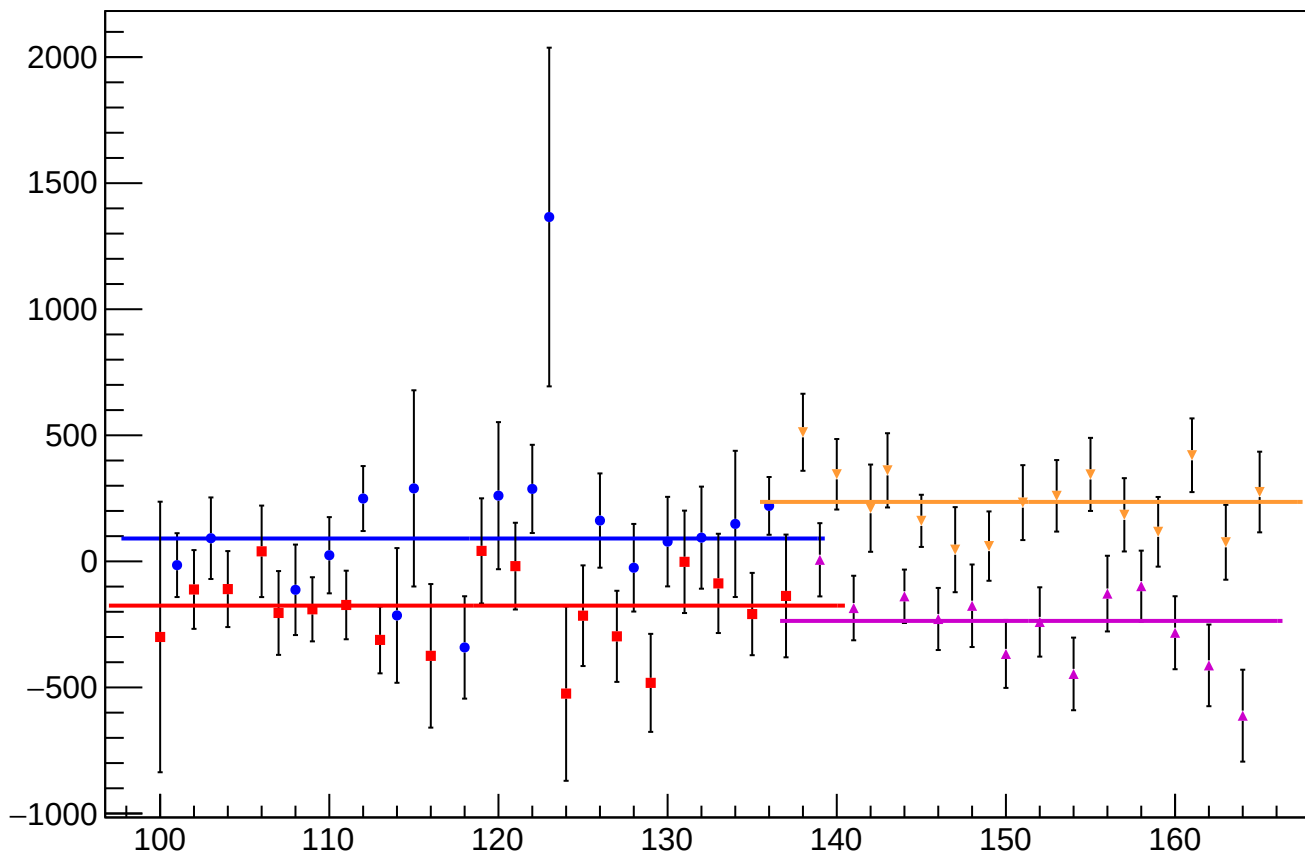
Left In: 289.992 $\pm$ 0.067 χ^2 /NDF:1467413.5/12

+ sign 345.477 $\pm$ 0.062 χ^2 /NDF: 4347351.5/31

All: 339.750 $\pm$ 0.044 χ^2 /NDF: 9242513.0/63

- sign 334.147 $\pm$ 0.061 χ^2 /NDF: 4878362.3/31

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 χ^2/NDF : 16.9/16

Left Out: 235.846 ± 37.051 χ^2/NDF : 12.3/14

Right Out: -175.485 ± 41.101 χ^2/NDF : 10.3/18

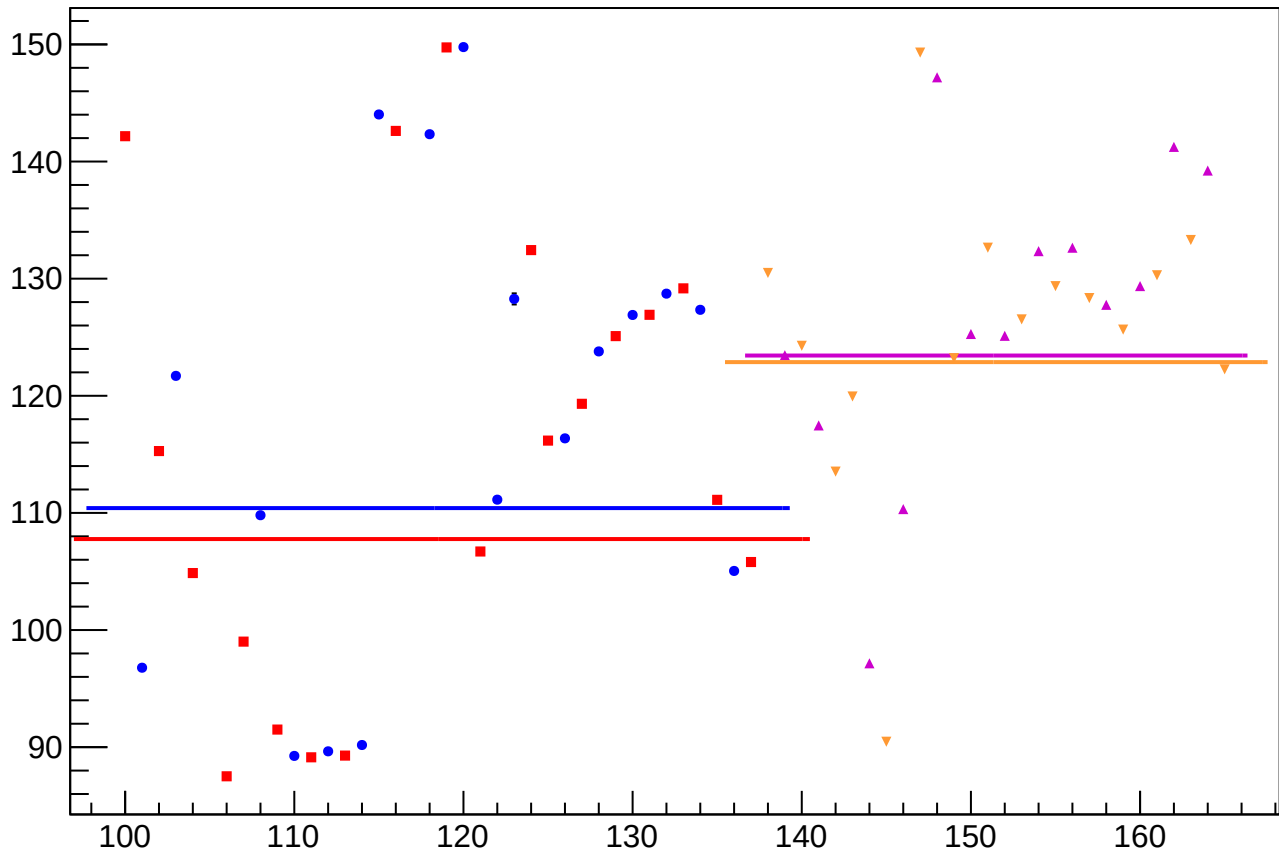
Left In: -236.136 ± 38.691 χ^2/NDF : 14.0/12

+ sign 174.518 ± 28.155 χ^2/NDF : 35.7/31

All: -16.444 ± 19.915 χ^2/NDF : 153.3/63

- sign -207.640 ± 28.172 χ^2/NDF : 25.5/31

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411+/-0.031 χ^2/NDF : 296425.4/16

Left Out: 122.875+/-0.026 χ^2/NDF : 289814.3/14

Right Out: 107.768+/-0.029 χ^2/NDF : 344441.4/18

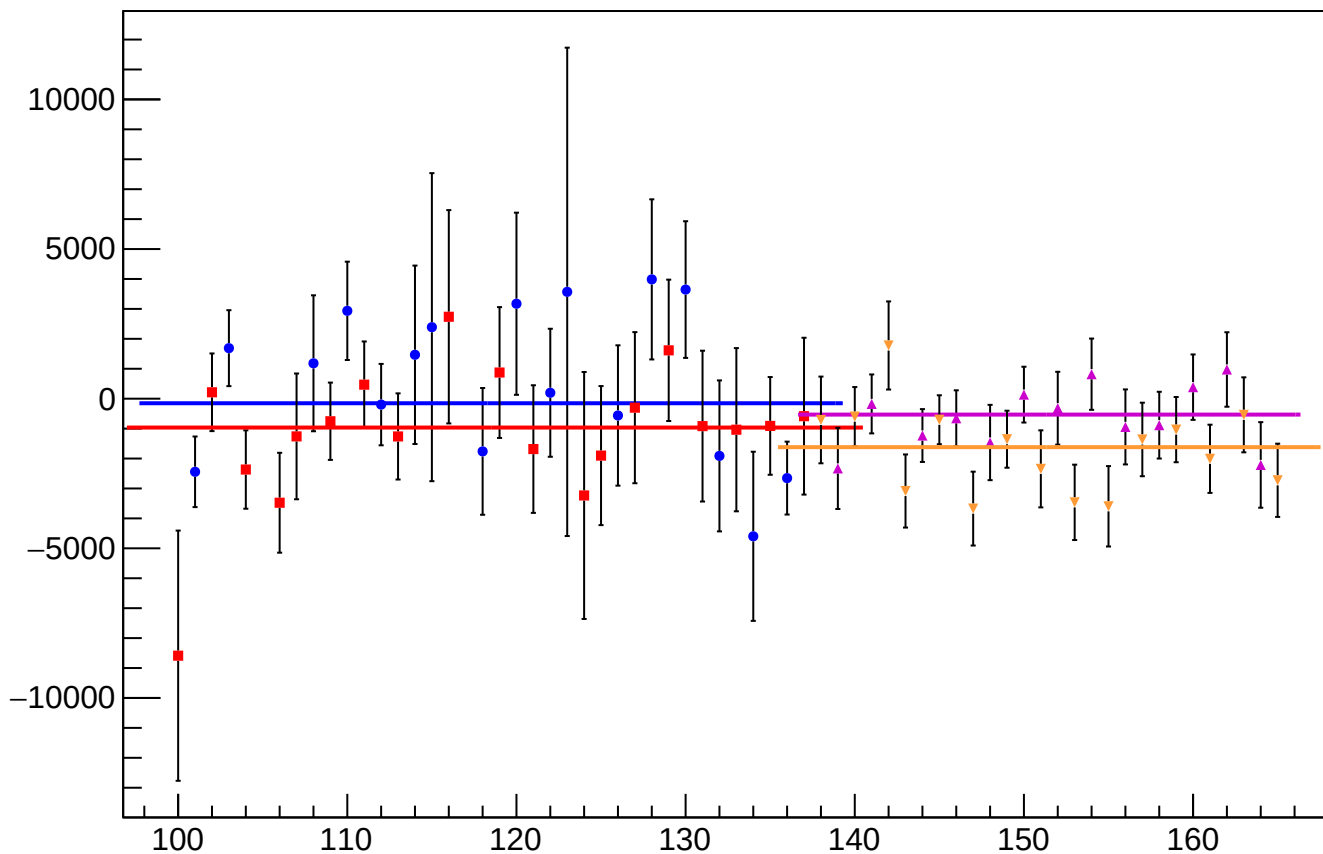
Left In: 123.437+/-0.027 χ^2/NDF : 252692.5/12

+ sign 117.608+/-0.020 χ^2/NDF : 681872.8/31

All: 116.842+/-0.014 χ^2/NDF : 1436080.4/63

- sign 116.075+/-0.020 χ^2/NDF : 751243.4/31

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 $\pm$ 464.753 χ^2/NDF : 24.7/16

Left Out: -1619.785 $\pm$ 298.056 χ^2/NDF : 19.0/14

Right Out: -964.716 $\pm$ 435.111 χ^2/NDF : 12.3/18

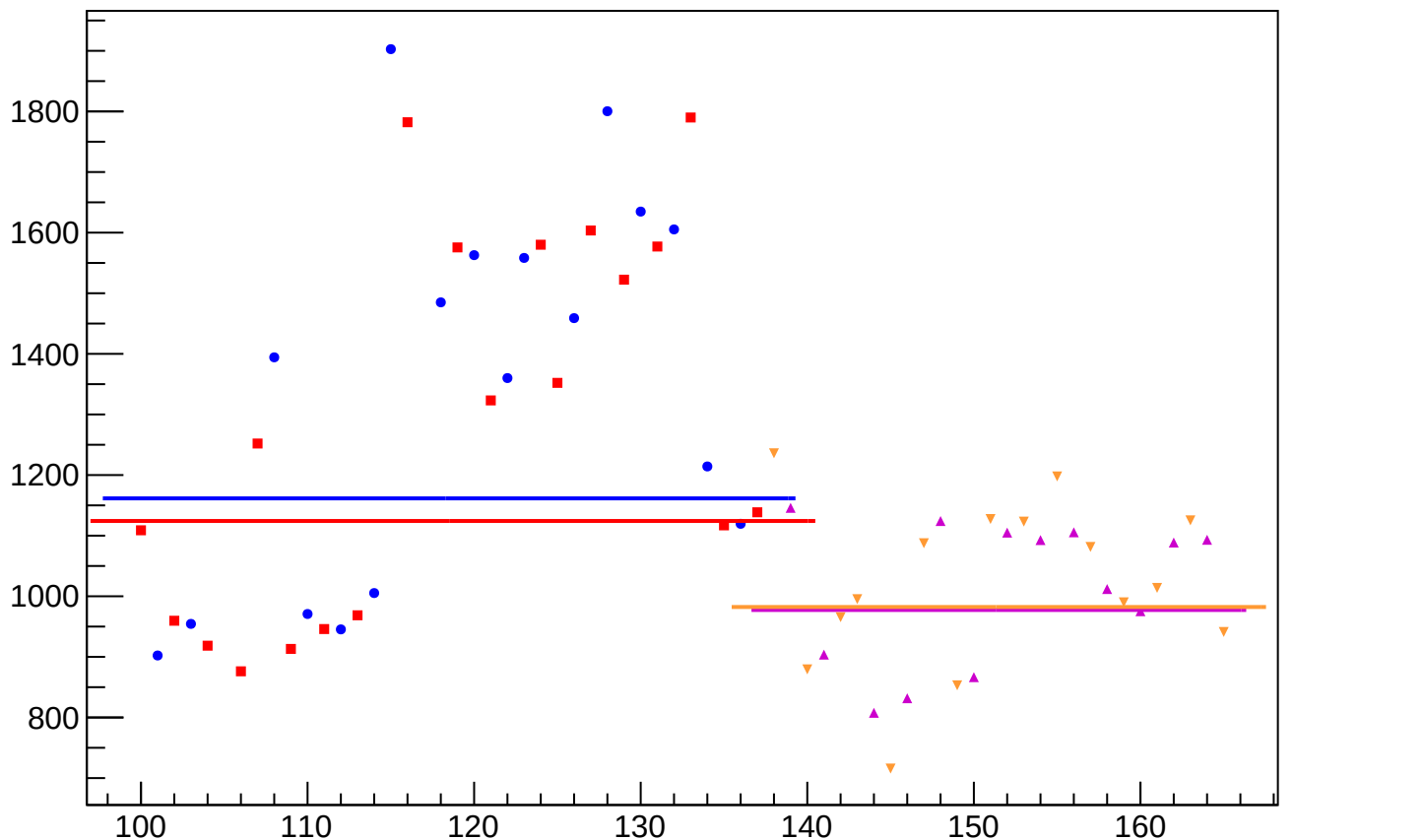
Left In: -531.610 $\pm$ 307.436 χ^2/NDF : 8.7/12

+ sign -1192.146 $\pm$ 250.893 χ^2/NDF : 50.7/31

All: -934.186 $\pm$ 177.476 χ^2/NDF : 74.4/63

- sign -675.832 $\pm$ 251.084 χ^2/NDF : 21.6/31

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 982.297+/-0.211 χ^2/NDF : 492269.3/14

Right Out: 1124.235+/-0.308 χ^2/NDF : 767790.0/18

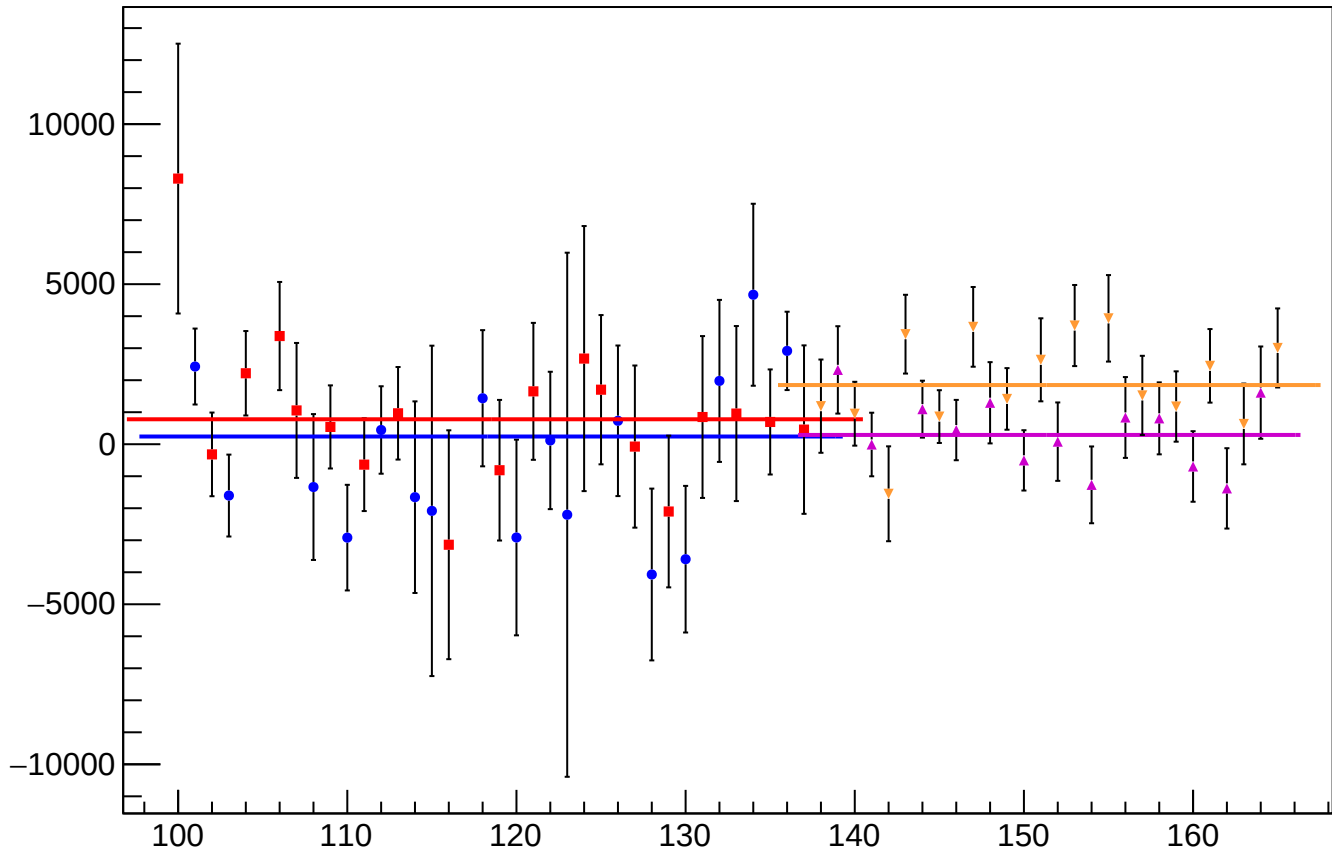
Left In: 977.398+/-0.217 χ^2/NDF : 312773.7/12

+ sign 1034.531+/-0.177 χ^2/NDF : 1398945.7/31

All: 1030.415+/-0.125 χ^2/NDF : 2632510.6/63

- sign 1026.294+/-0.178 χ^2/NDF : 1232487.9/31

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1848.391 $\pm$ 300.469 χ^2 /NDF:19.1/14

Right Out: 779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

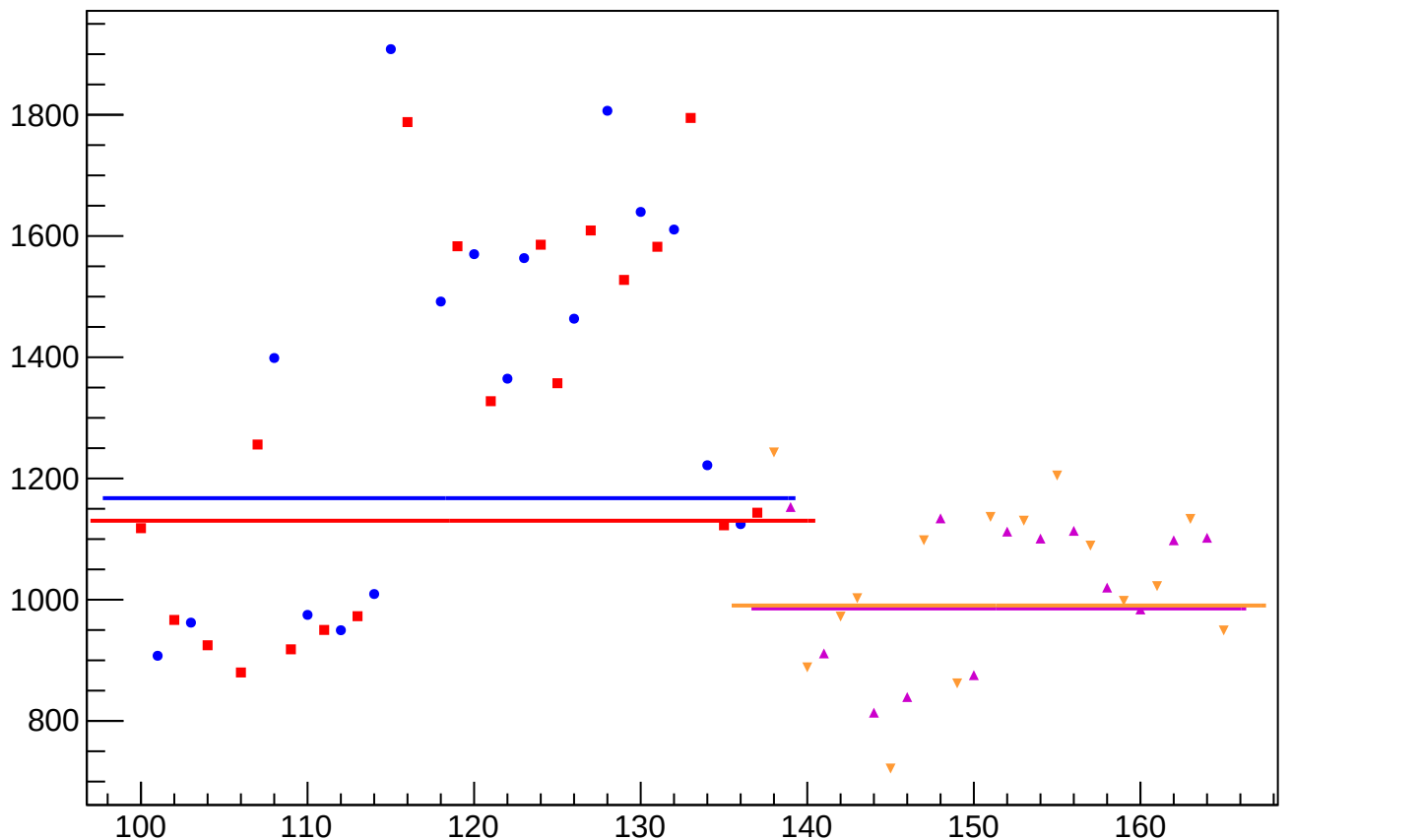
Left In: 289.829 $\pm$ 309.964 χ^2 /NDF:10.0/12

+ sign 1377.767 $\pm$ 252.691 χ^2 /NDF: 52.3/31

All: 915.988 $\pm$ 178.760 χ^2 /NDF: 82.2/63

- sign 453.382 $\pm$ 252.917 χ^2 /NDF: 23.2/31

asym_sam_48_dd_rms vs Slug



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 990.429+/-0.212 χ^2/NDF : 487414.9/14

Right Out: 1130.301+/-0.309 χ^2/NDF : 761503.6/18

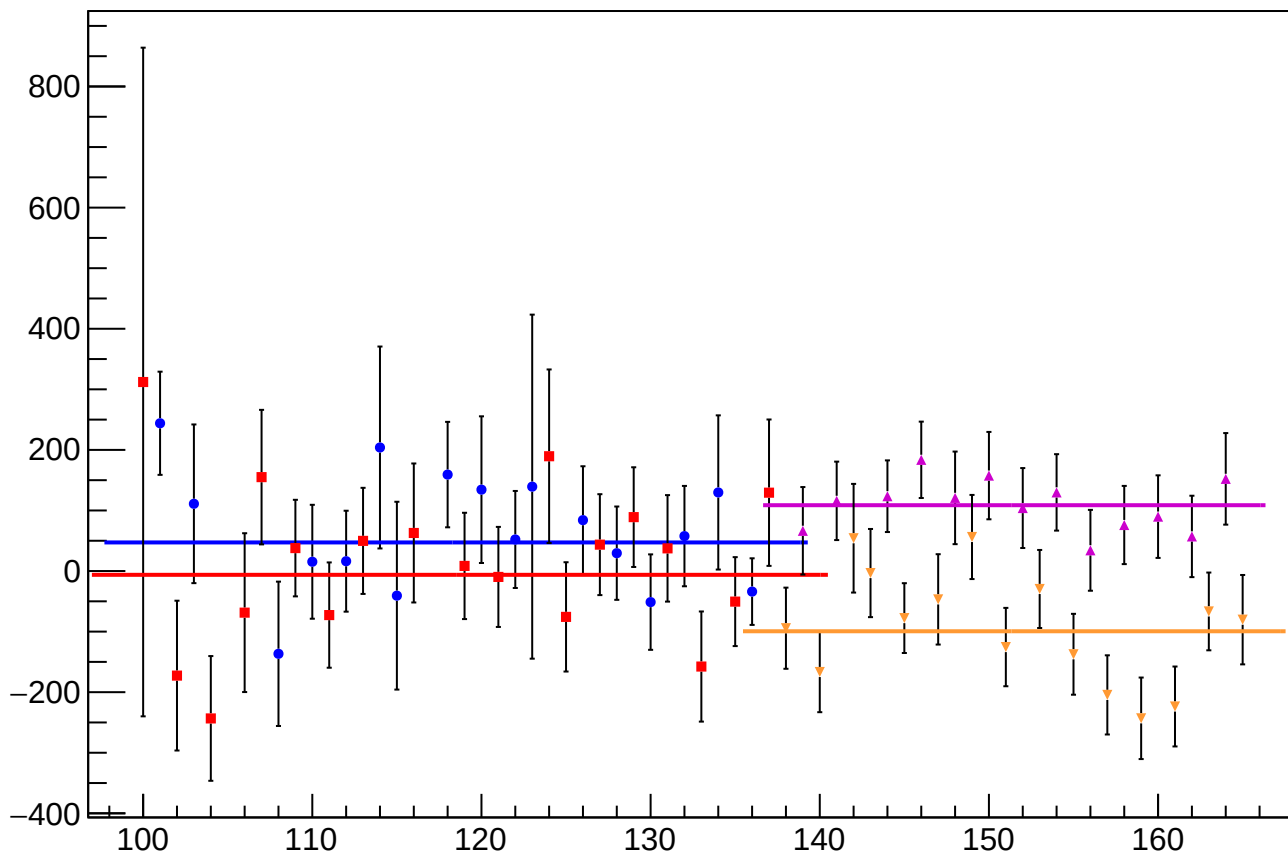
Left In: 985.561+/-0.219 χ^2/NDF : 310280.0/12

+ sign 1042.275+/-0.179 χ^2/NDF : 1381321.4/31

All: 1038.109+/-0.126 χ^2/NDF : 2599943.1/63

- sign 1033.935+/-0.179 χ^2/NDF : 1217533.3/31

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -99.429 $\pm$ 17.497 χ^2 /NDF:24.0/14

Right Out: -6.246 $\pm$ 22.128 χ^2 /NDF: 20.3/18

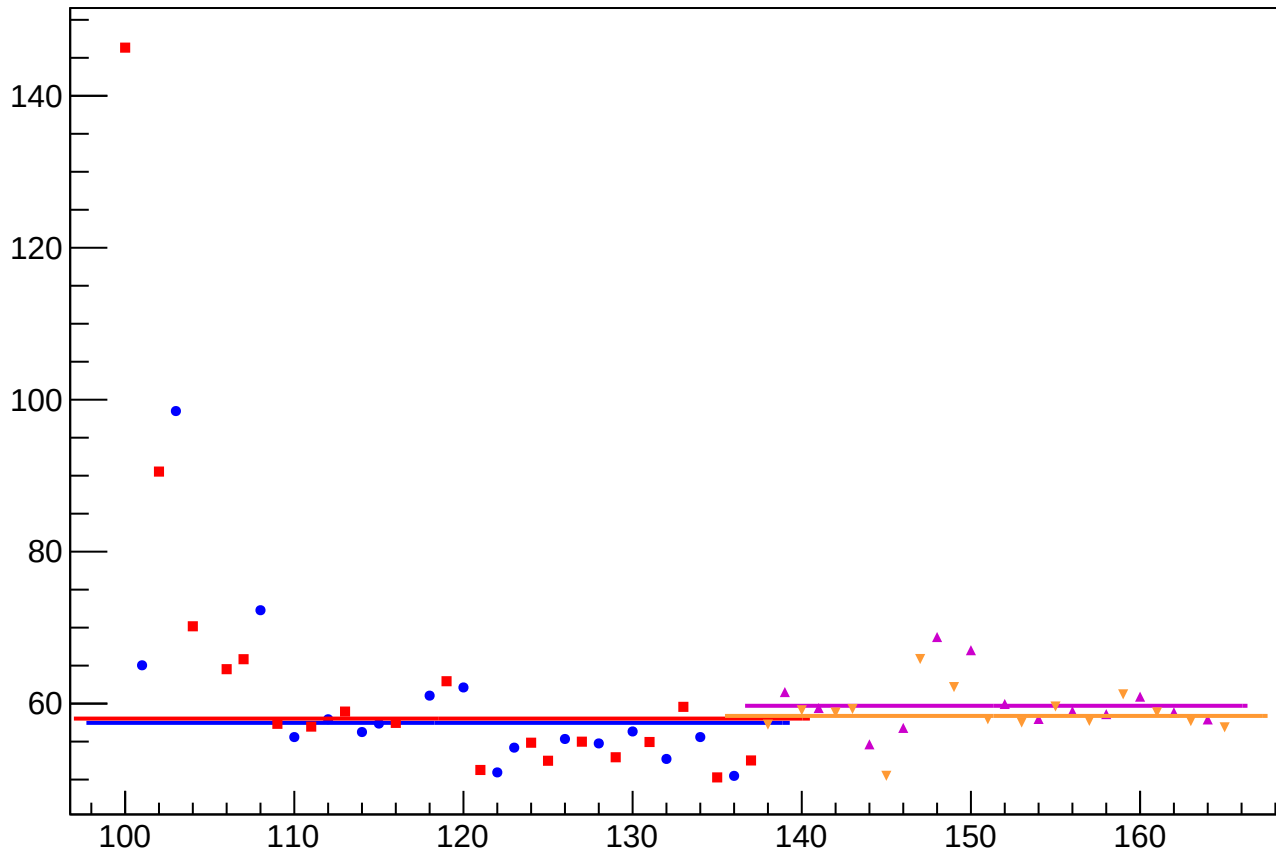
Left In: 108.691 $\pm$ 18.609 χ^2 /NDF:4.9/12

+ sign -44.362 $\pm$ 13.827 χ^2 /NDF: 66.5/31

All: 6.800 $\pm$ 9.921 χ^2 /NDF: 135.7/63

- sign 61.076 $\pm$ 14.242 χ^2 /NDF: 41.0/31

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 ± 0.016 $\chi^2/\text{NDF}: 307156.4/16$

Left Out: 58.378 ± 0.012 $\chi^2/\text{NDF}: 70824.5/14$

Right Out: 58.027 ± 0.016 $\chi^2/\text{NDF}: 300788.2/18$

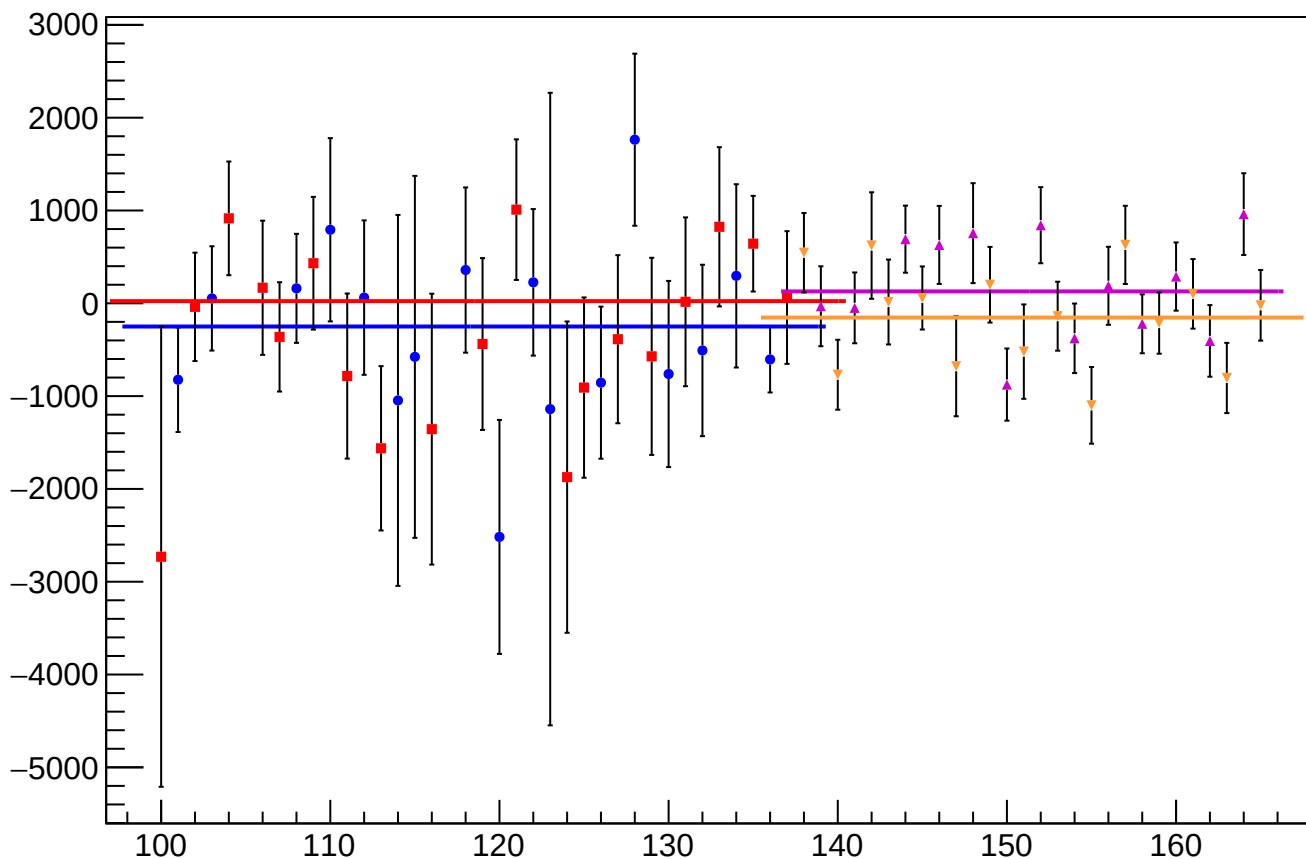
Left In: 59.712 ± 0.013 $\chi^2/\text{NDF}: 73298.1/12$

+ sign 58.035 ± 0.010 $\chi^2/\text{NDF}: 380025.3/31$

All: 58.510 ± 0.007 $\chi^2/\text{NDF}: 765764.9/63$

- sign 59.014 ± 0.010 $\chi^2/\text{NDF}: 380879.3/31$

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2/NDF : 14.3/16

Left Out: -153.831 $\pm$ 104.703 χ^2/NDF :22.2/14

Right Out: 23.314 $\pm$ 181.834 χ^2/NDF : 16.1/18

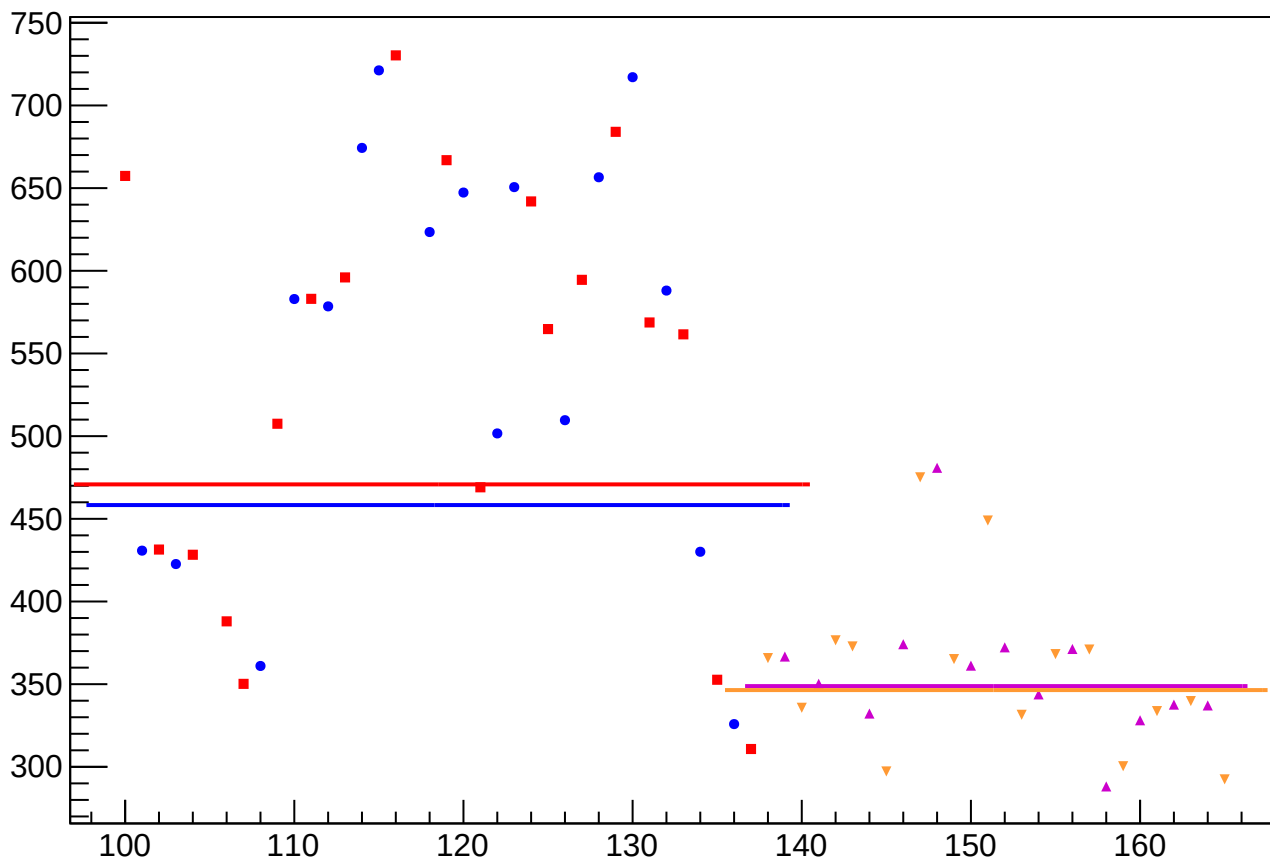
Left In: 128.208 $\pm$ 109.396 χ^2/NDF :24.0/12

+ sign -177.370 $\pm$ 91.012 χ^2/NDF : 36.7/31

All: -42.617 $\pm$ 65.298 χ^2/NDF : 81.5/63

- sign 100.332 $\pm$ 93.739 χ^2/NDF : 40.3/31

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 $\pm$ 0.130 χ^2 /NDF: 877201.7/16

Left Out: 346.429 $\pm$ 0.074 χ^2 /NDF: 356978.3/14

Right Out: 470.827 $\pm$ 0.129 χ^2 /NDF: 778635.2/18

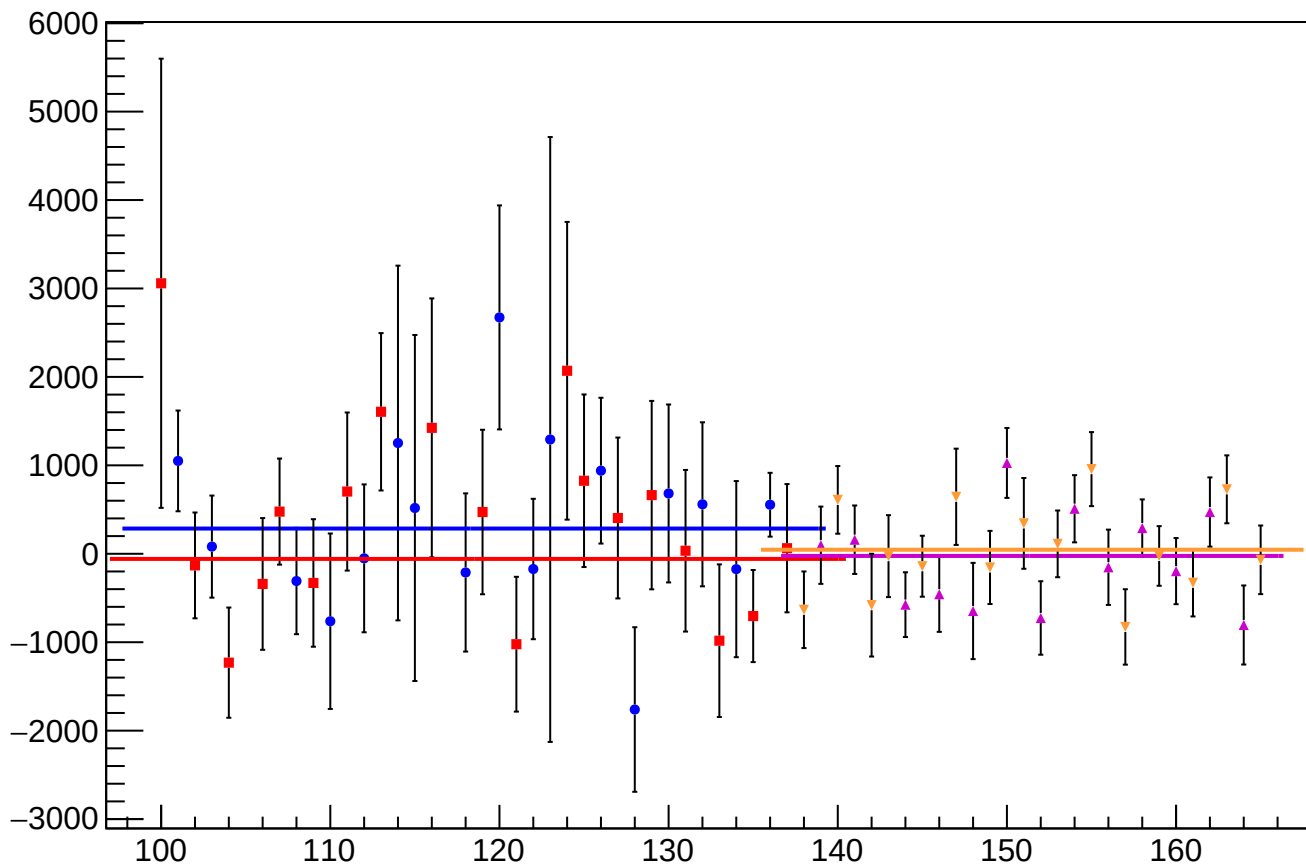
Left In: 348.839 $\pm$ 0.077 χ^2 /NDF: 232277.5/12

+ sign 373.778 $\pm$ 0.064 χ^2 /NDF: 1792481.2/31

All: 377.408 $\pm$ 0.046 χ^2 /NDF: 3470875.3/63

- sign 381.259 $\pm$ 0.066 χ^2 /NDF: 1671836.8/31

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: 45.796 $\pm$ 106.246 χ^2 /NDF:21.1/14

Right Out: -58.001 $\pm$ 184.074 χ^2 /NDF: 19.2/18

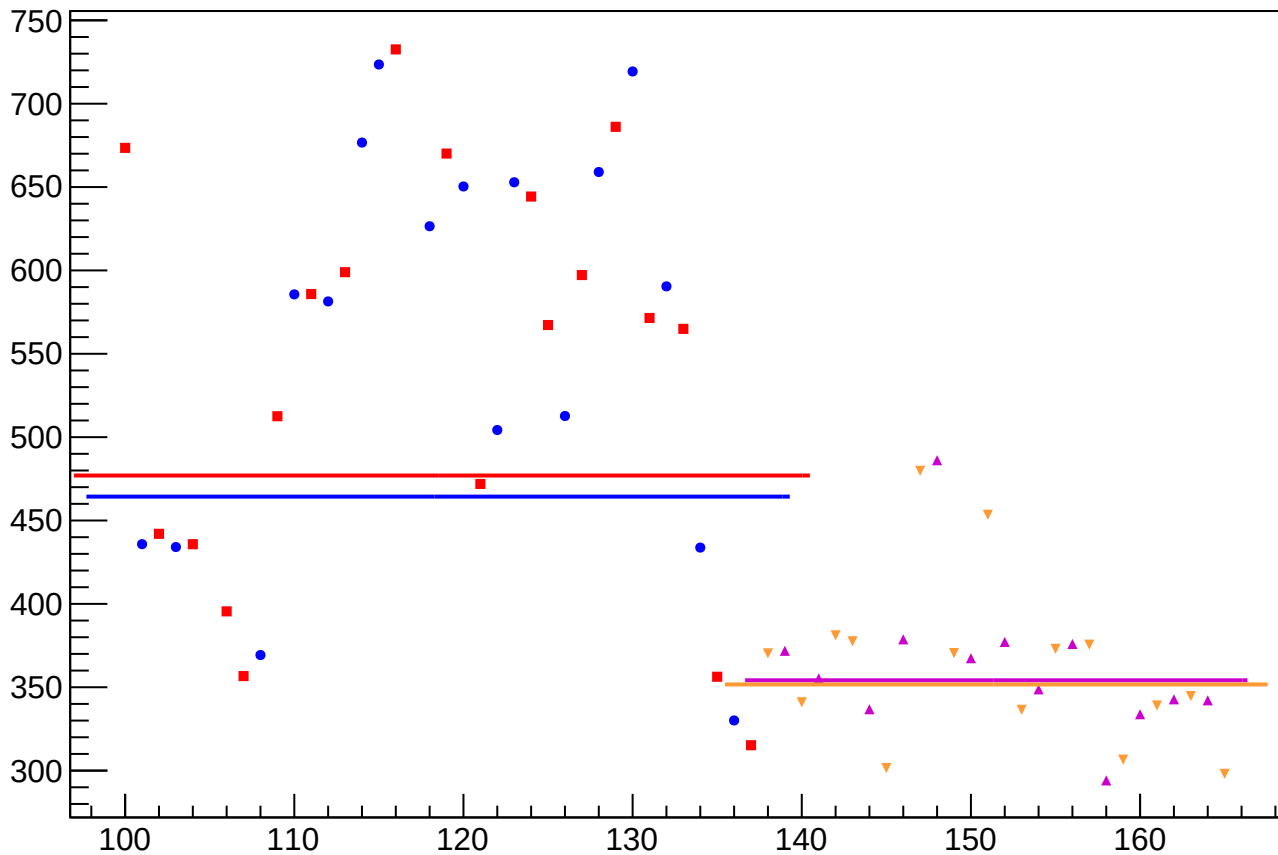
Left In: -24.229 $\pm$ 111.040 χ^2 /NDF:22.7/12

+ sign 104.605 $\pm$ 92.288 χ^2 /NDF: 37.6/31

All: 37.736 $\pm$ 66.222 χ^2 /NDF: 80.6/63

- sign -33.240 $\pm$ 95.080 χ^2 /NDF: 41.9/31

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 351.677 $\pm$ 0.075 χ^2 /NDF: 344189.2/14

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

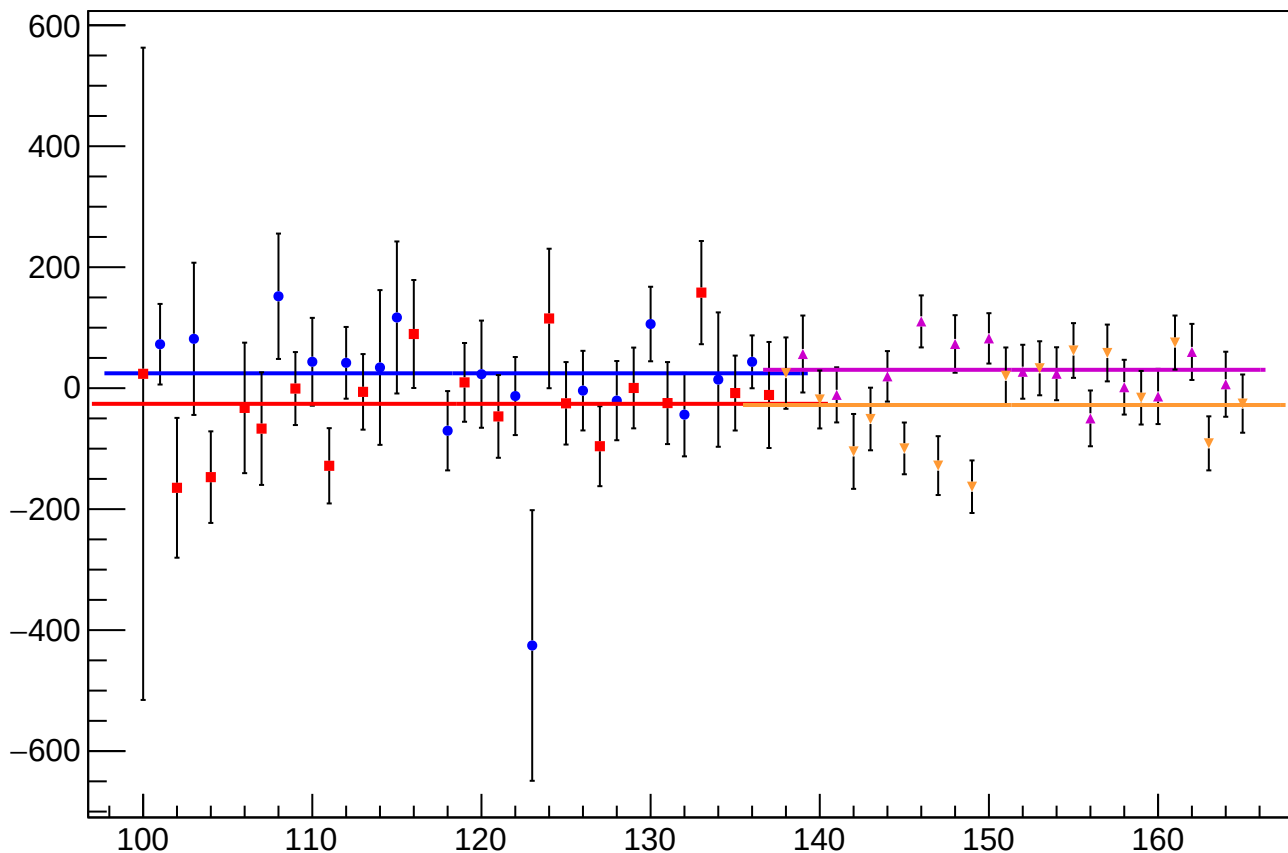
Left In: 354.188 $\pm$ 0.079 χ^2 /NDF: 223881.7/12

+ sign 379.335 $\pm$ 0.065 χ^2 /NDF: 1742186.9/31

All: 383.030 $\pm$ 0.047 χ^2 /NDF: 3374644.9/63

- sign 386.952 $\pm$ 0.067 χ^2 /NDF: 1625849.9/31

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -27.828 ± 12.217 $\chi^2/\text{NDF}: 37.0/14$

Right Out: -25.884 ± 17.386 $\chi^2/\text{NDF}: 16.8/18$

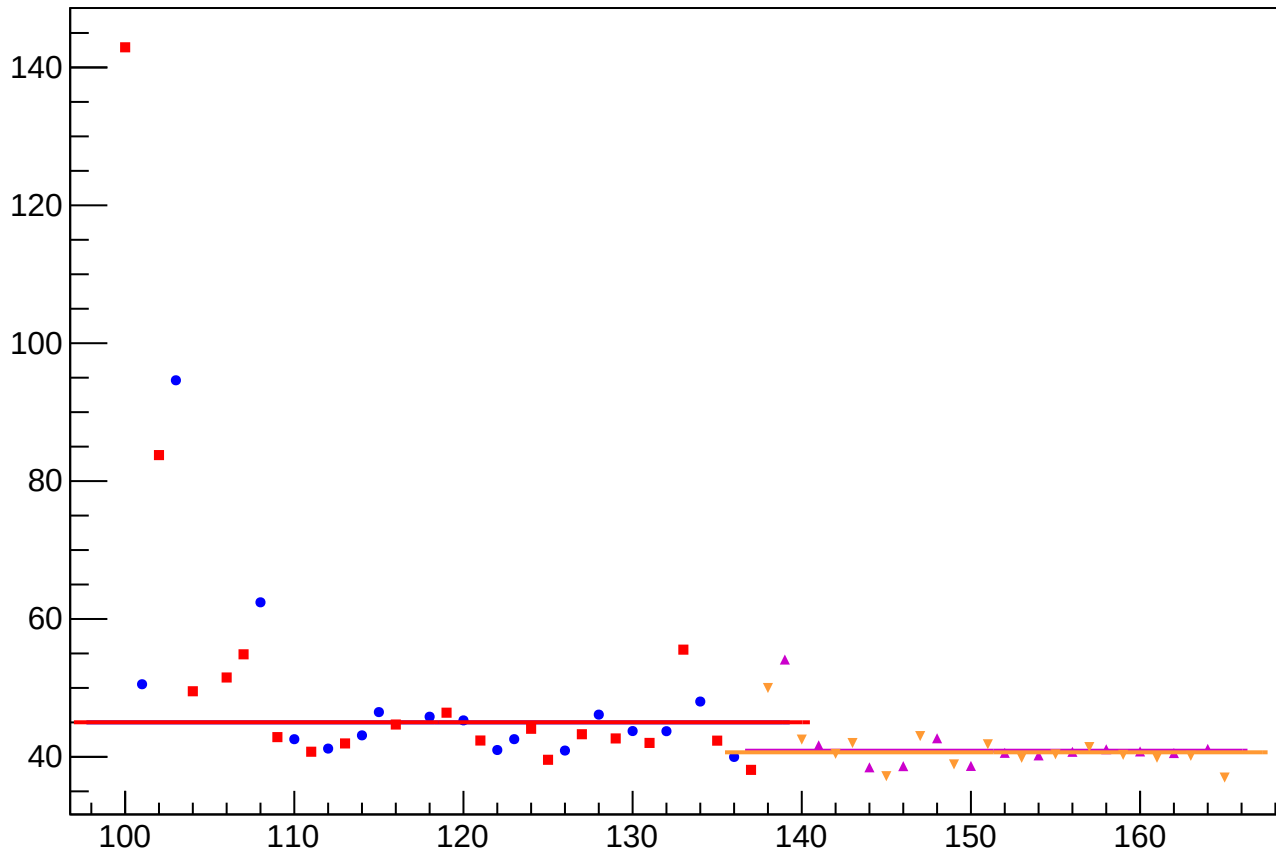
Left In: 30.368 ± 12.767 $\chi^2/\text{NDF}: 11.9/12$

+ sign -11.093 ± 10.080 $\chi^2/\text{NDF}: 55.9/31$

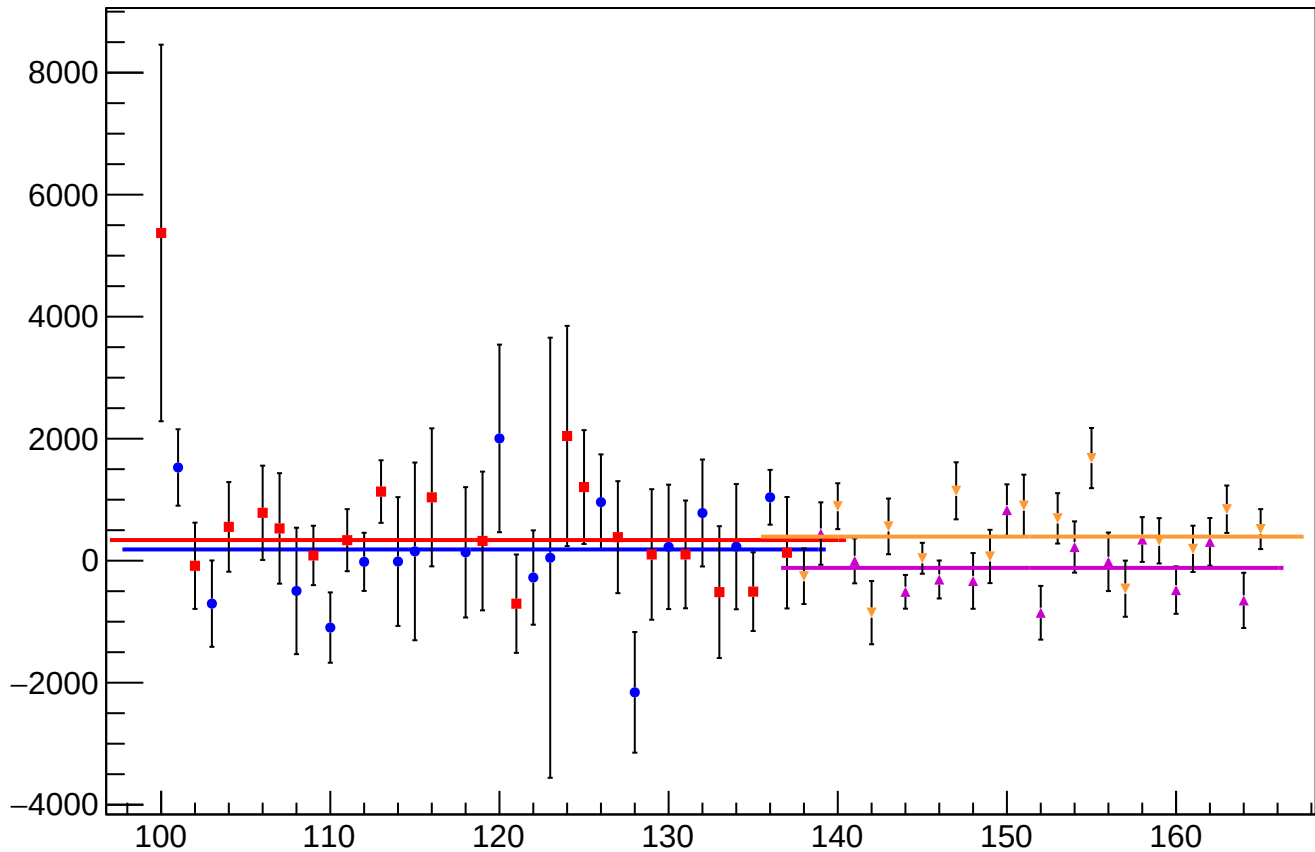
All: -0.440 ± 7.201 $\chi^2/\text{NDF}: 93.6/63$

- sign 10.663 ± 10.290 $\chi^2/\text{NDF}: 35.5/31$

reg_asym_sam_15_37_dd_rms vs Slug



asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 394.593 ± 102.861 χ^2/NDF : 28.4/14

Right Out: 338.329 ± 179.381 χ^2/NDF : 12.5/18

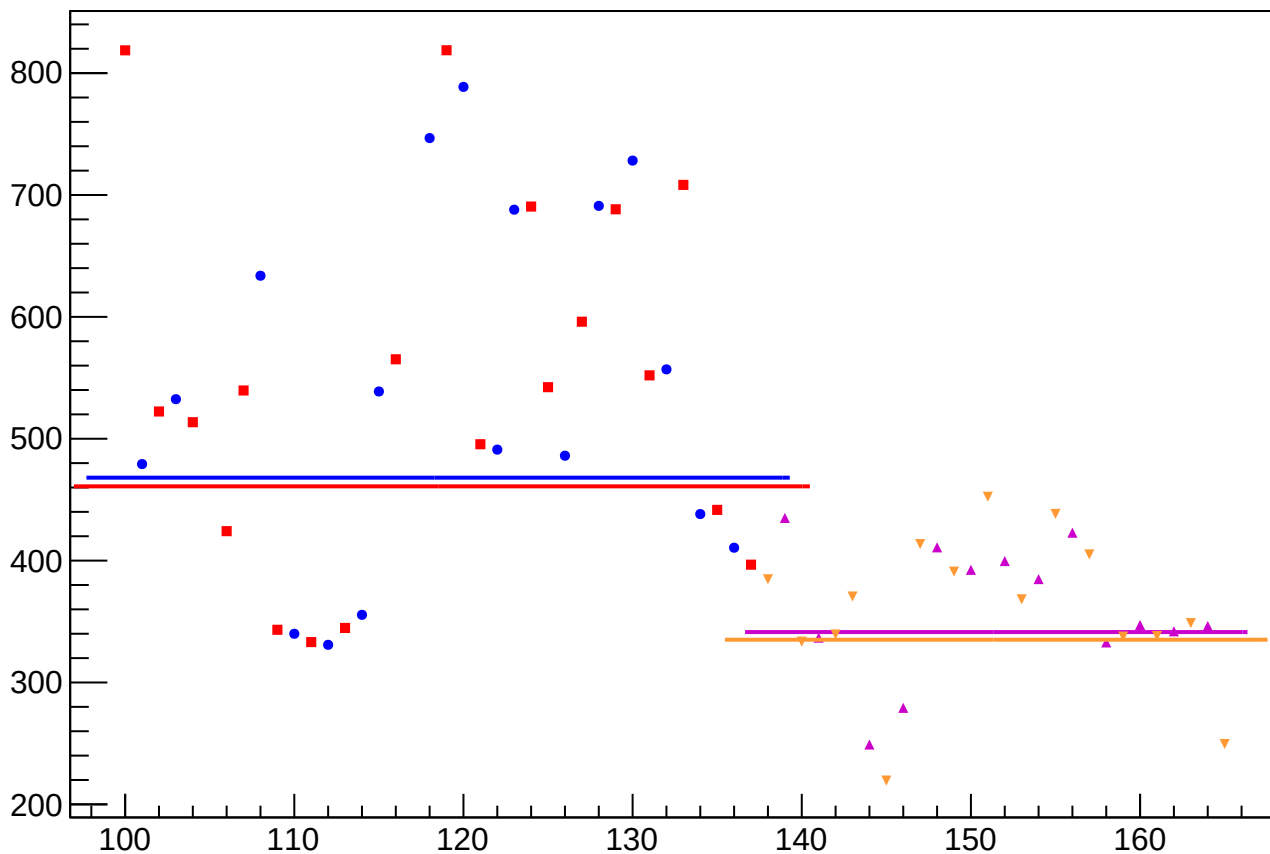
Left In: -117.952 ± 108.076 χ^2/NDF : 17.5/12

+ sign 346.338 ± 90.299 χ^2/NDF : 53.5/31

All: 179.214 ± 64.640 χ^2/NDF : 95.3/63

- sign 3.567 ± 92.573 χ^2/NDF : 34.7/31

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 335.088 $\pm$ 0.073 χ^2 /NDF: 934306.3/14

Right Out: 460.939 $\pm$ 0.127 χ^2 /NDF: 955028.5/18

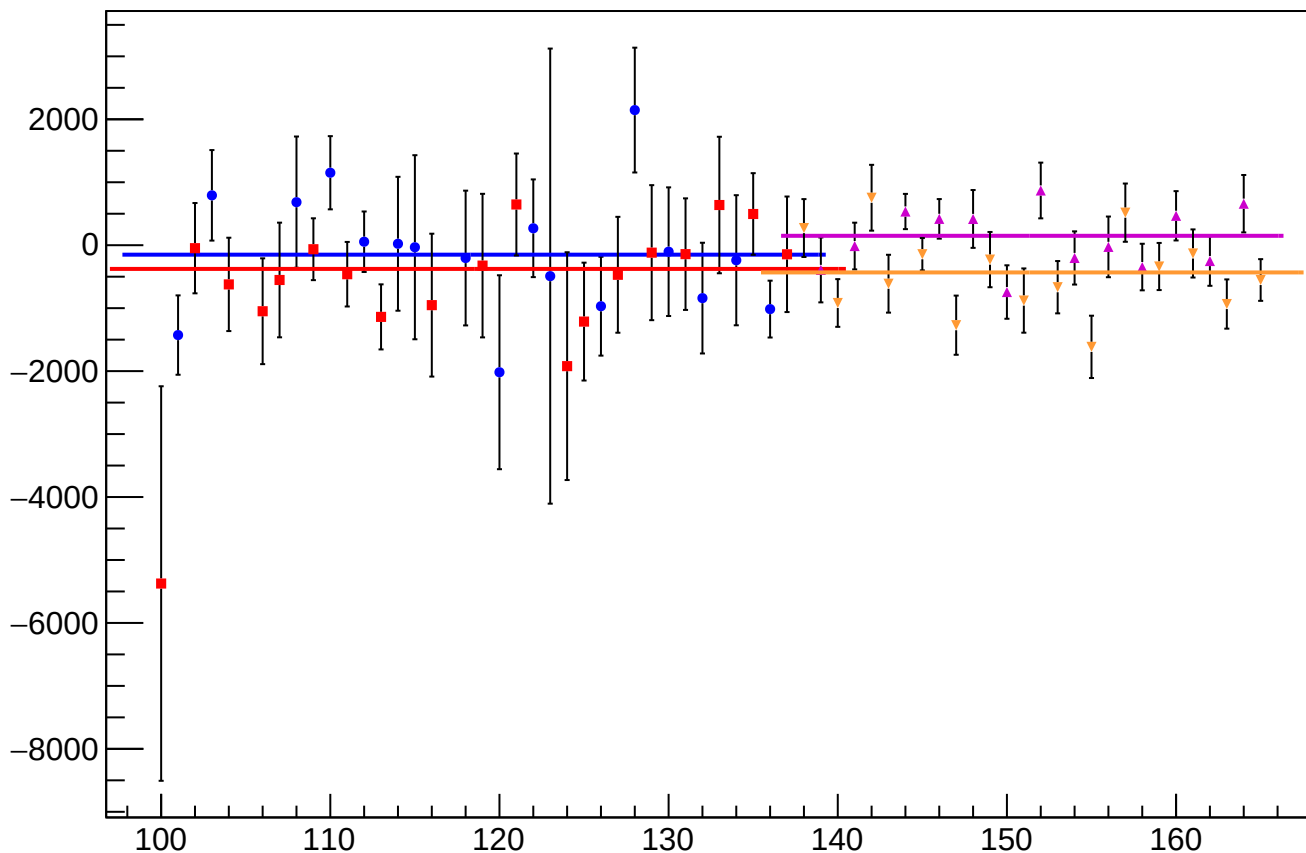
Left In: 341.376 $\pm$ 0.076 χ^2 /NDF: 561508.0/12

+ sign 365.586 $\pm$ 0.064 χ^2 /NDF: 2581281.7/31

All: 369.307 $\pm$ 0.046 χ^2 /NDF: 4756679.0/63

- sign 373.219 $\pm$ 0.065 χ^2 /NDF: 2168430.2/31

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -432.471 ± 103.701 χ^2/NDF : 27.4/14

Right Out: -376.554 ± 181.258 χ^2/NDF : 12.4/18

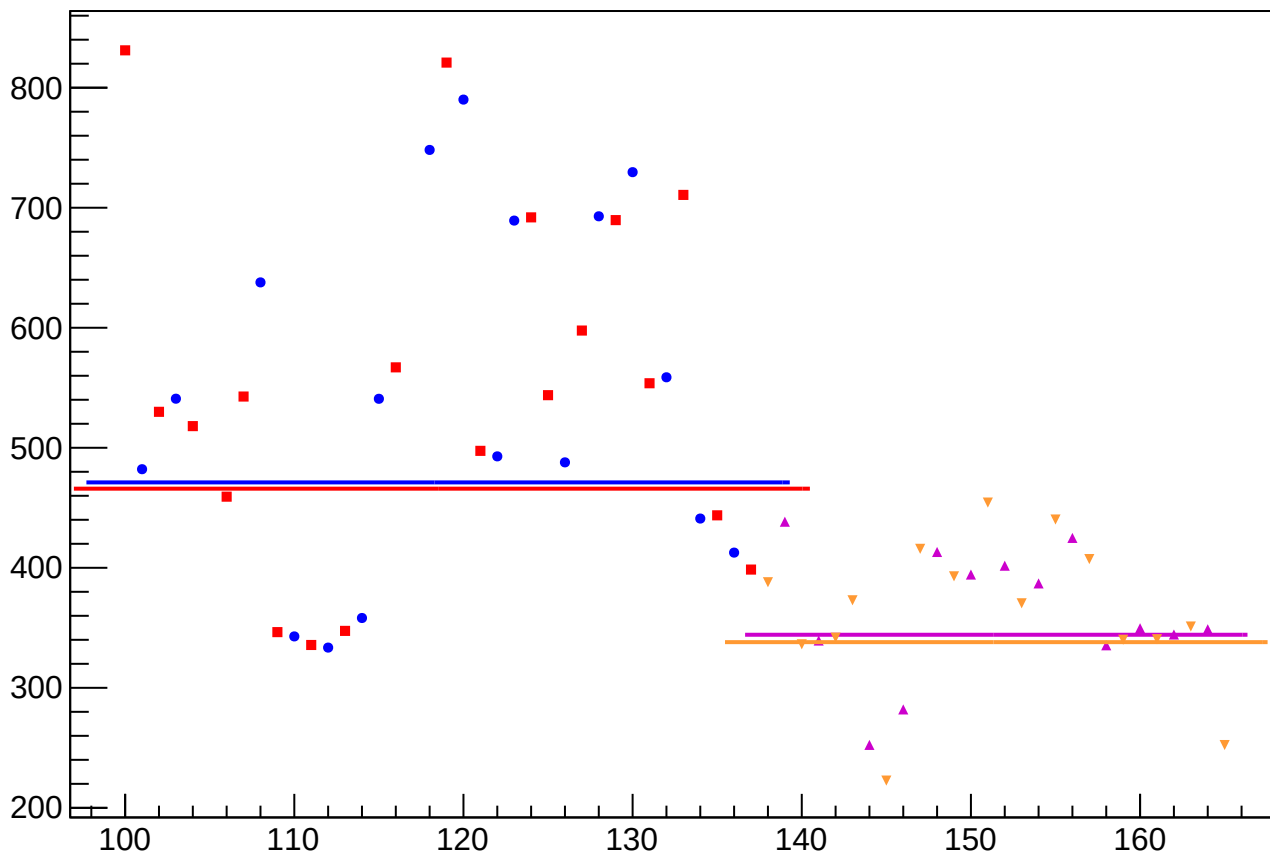
Left In: 149.392 ± 108.921 χ^2/NDF : 16.9/12

+ sign -367.566 ± 90.996 χ^2/NDF : 53.3/31

All: -183.696 ± 65.164 χ^2/NDF : 97.2/63

- sign 9.858 ± 93.361 χ^2/NDF : 35.5/31

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 338.060+/-0.073 χ^2/NDF : 906740.1/14

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

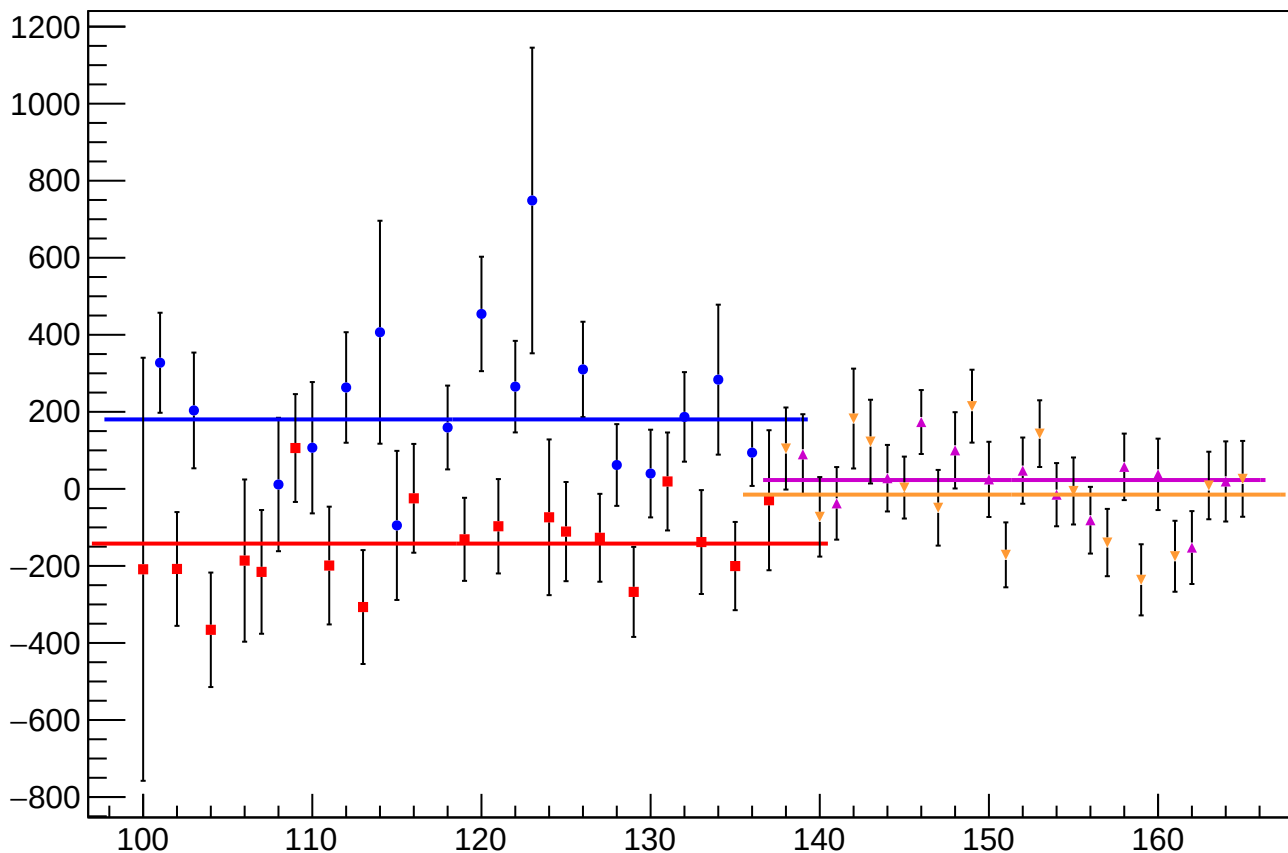
Left In: 344.212+/-0.077 χ^2/NDF : 545406.7/12

+ sign 368.675+/-0.064 χ^2/NDF : 2536397.8/31

All: 372.490+/-0.046 χ^2/NDF : 4692204.7/63

- sign 376.505+/-0.066 χ^2/NDF : 2148592.6/31

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: -14.882 $\pm$ 24.240 χ^2 /NDF:29.4/14

Right Out: -142.040 $\pm$ 32.338 χ^2 /NDF: 11.7/18

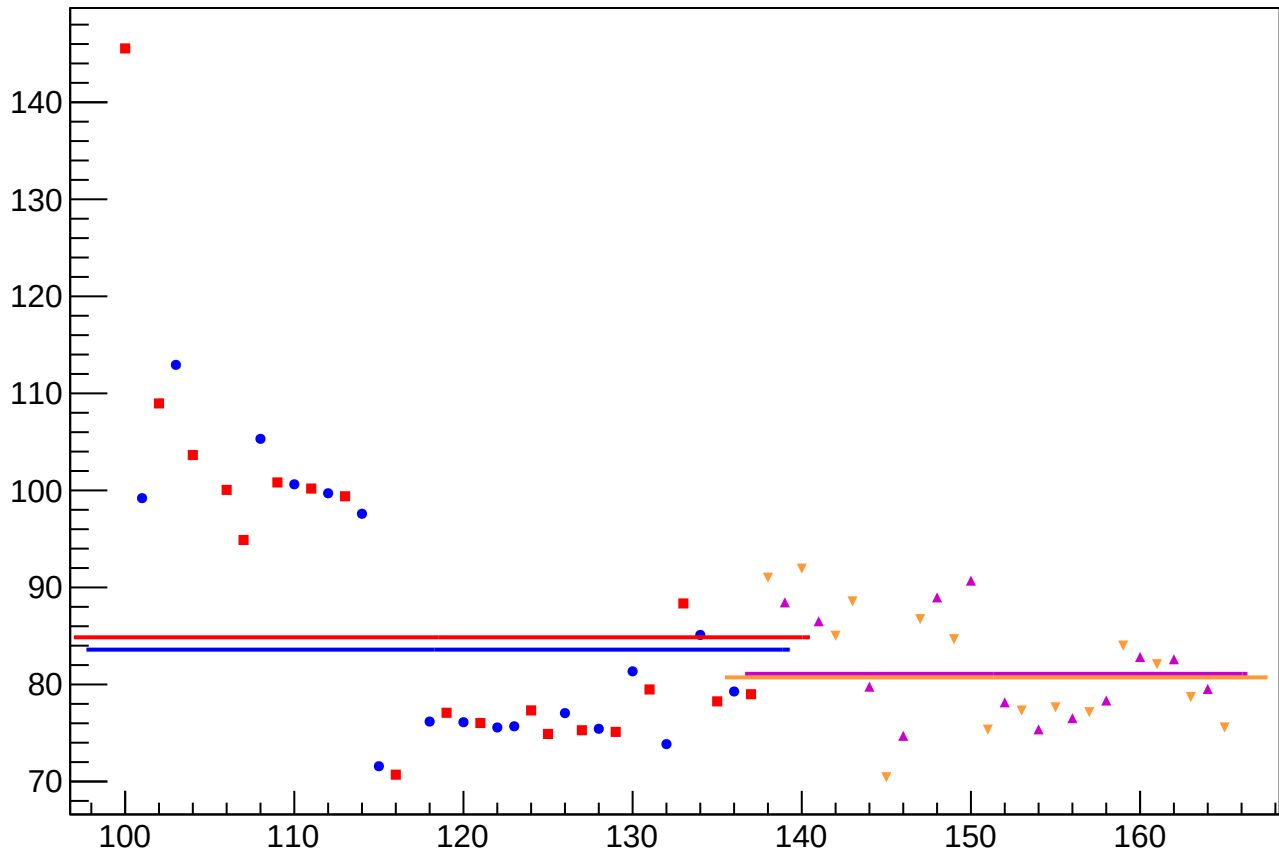
Left In: 22.973 $\pm$ 25.295 χ^2 /NDF:10.1/12

+ sign 54.158 $\pm$ 19.488 χ^2 /NDF: 68.9/31

All: 8.284 $\pm$ 13.931 χ^2 /NDF: 118.1/63

- sign -39.664 $\pm$ 19.924 χ^2 /NDF: 37.9/31

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 80.730 $\pm$ 0.017 χ^2 /NDF:125153.9/14

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

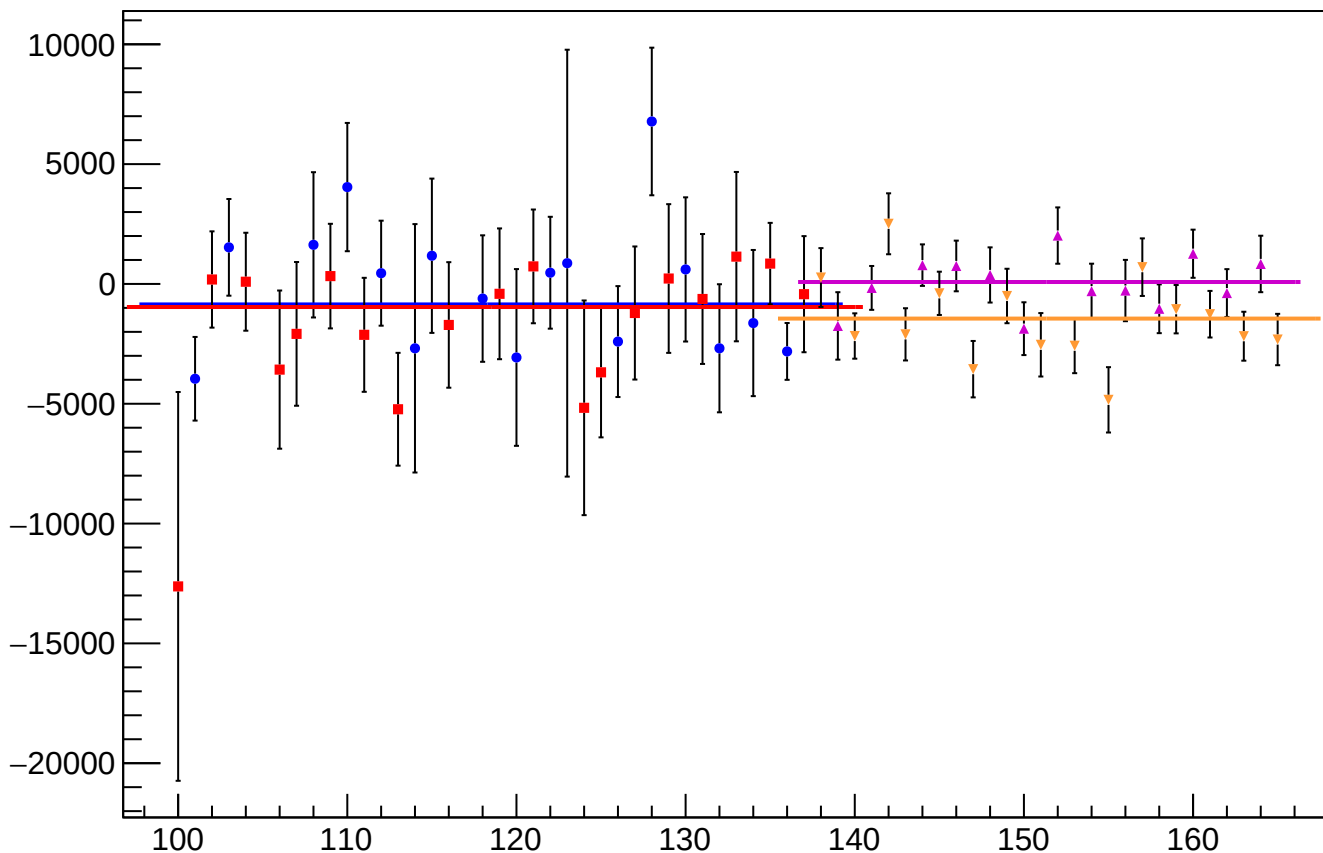
Left In: 81.096 $\pm$ 0.018 χ^2 /NDF:82289.0/12

+ sign 81.742 $\pm$ 0.014 χ^2 /NDF: 390926.1/31

All: 82.125 $\pm$ 0.010 χ^2 /NDF: 782220.2/63

- sign 82.525 $\pm$ 0.014 χ^2 /NDF: 389713.6/31

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 ± 583.290 χ^2/NDF : 20.3/16

Left Out: -1445.945 ± 283.982 χ^2/NDF : 30.3/14

Right Out: -962.932 ± 589.071 χ^2/NDF : 11.5/18

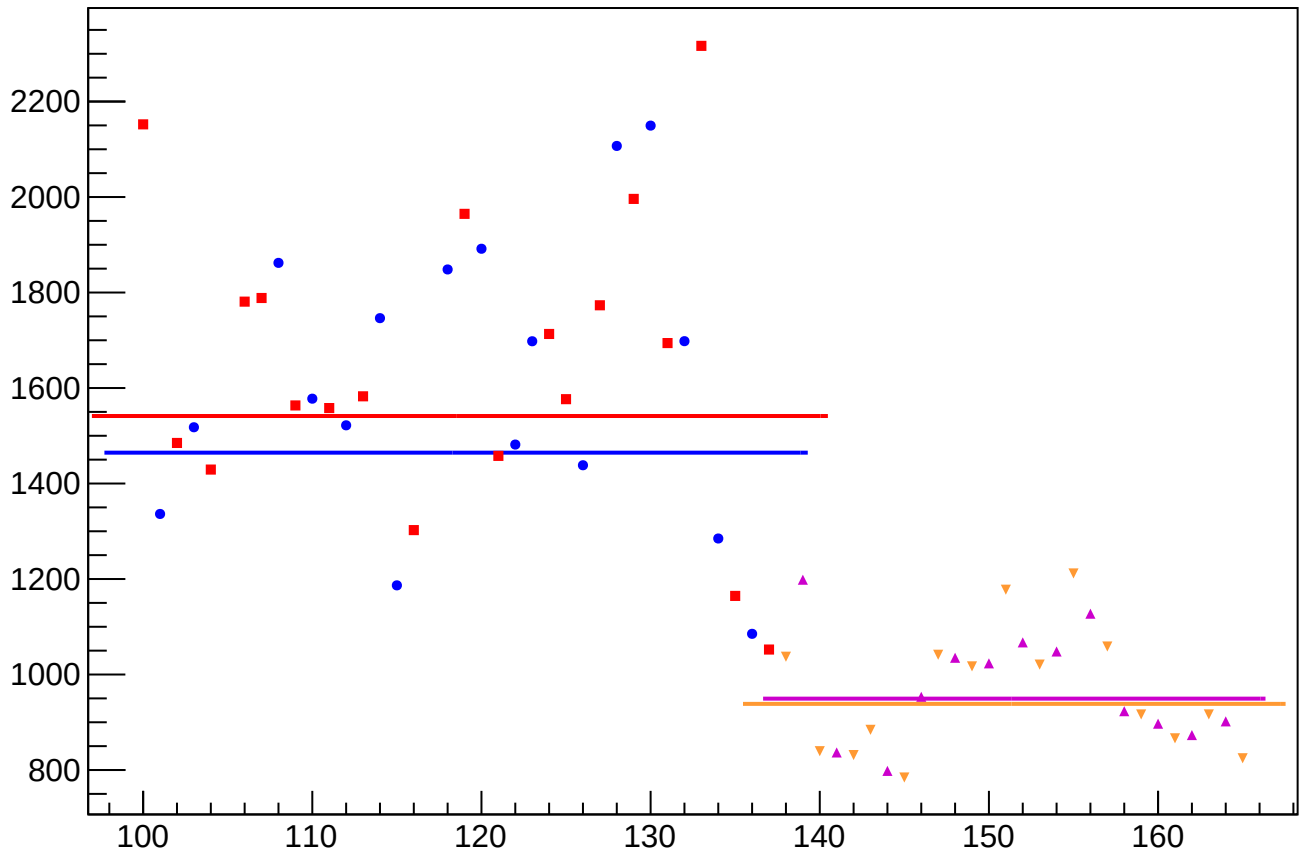
Left In: 80.578 ± 297.713 χ^2/NDF : 12.1/12

+ sign -1332.770 ± 255.329 χ^2/NDF : 51.4/31

All: -756.163 ± 184.104 χ^2/NDF : 88.1/63

- sign -131.730 ± 265.707 χ^2/NDF : 26.2/31

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 ± 0.412 χ^2/NDF : 560863.4/16

Left Out: 938.512 ± 0.201 χ^2/NDF : 348593.8/14

Right Out: 1541.388 ± 0.417 χ^2/NDF : 453710.5/18

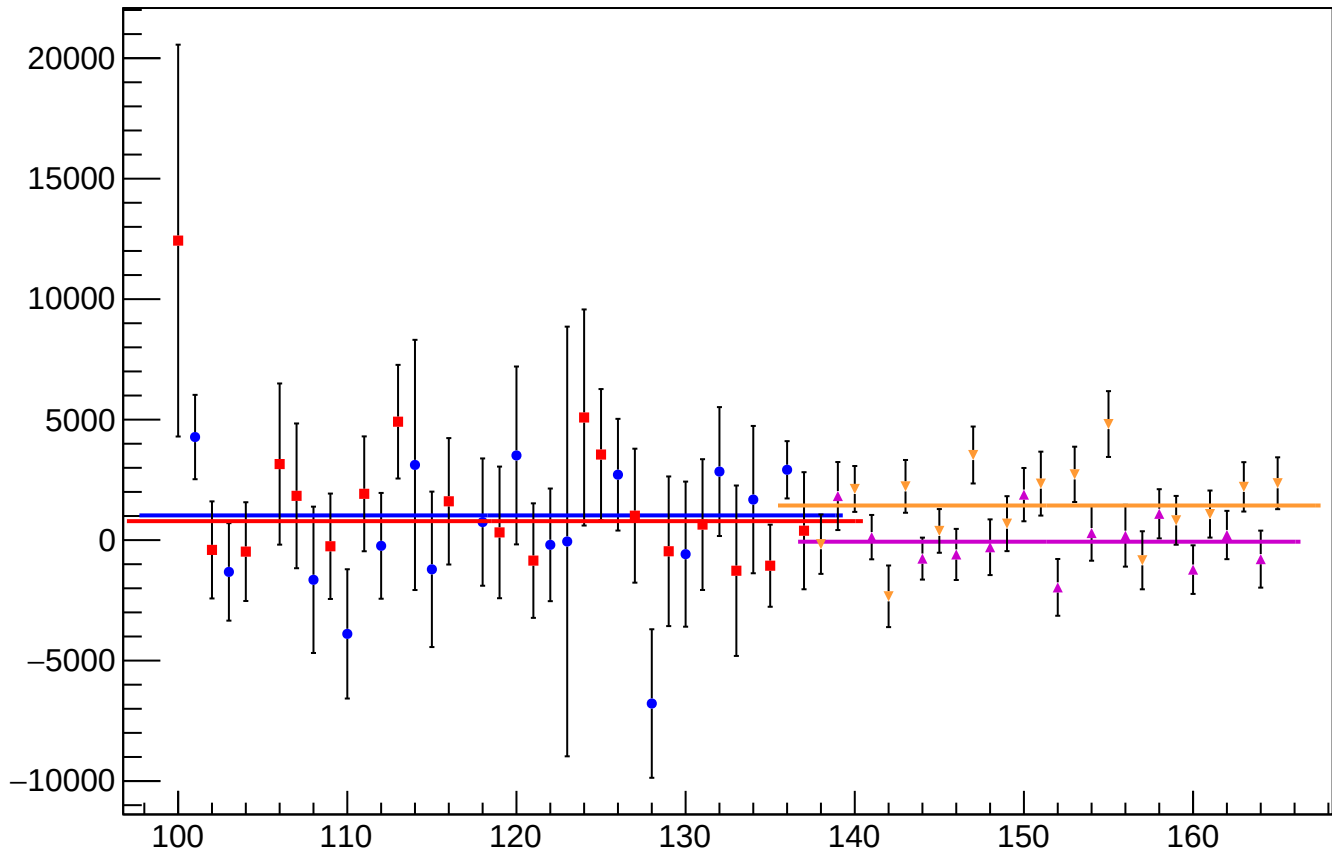
Left In: 949.474 ± 0.211 χ^2/NDF : 269412.7/12

+ sign 1039.326 ± 0.181 χ^2/NDF : 2224845.6/31

All: 1054.005 ± 0.130 χ^2/NDF : 4570244.0/63

- sign 1069.902 ± 0.188 χ^2/NDF : 2331628.5/31

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1436.398 $\pm$ 285.135 χ^2 /NDF:29.6/14

Right Out: 787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

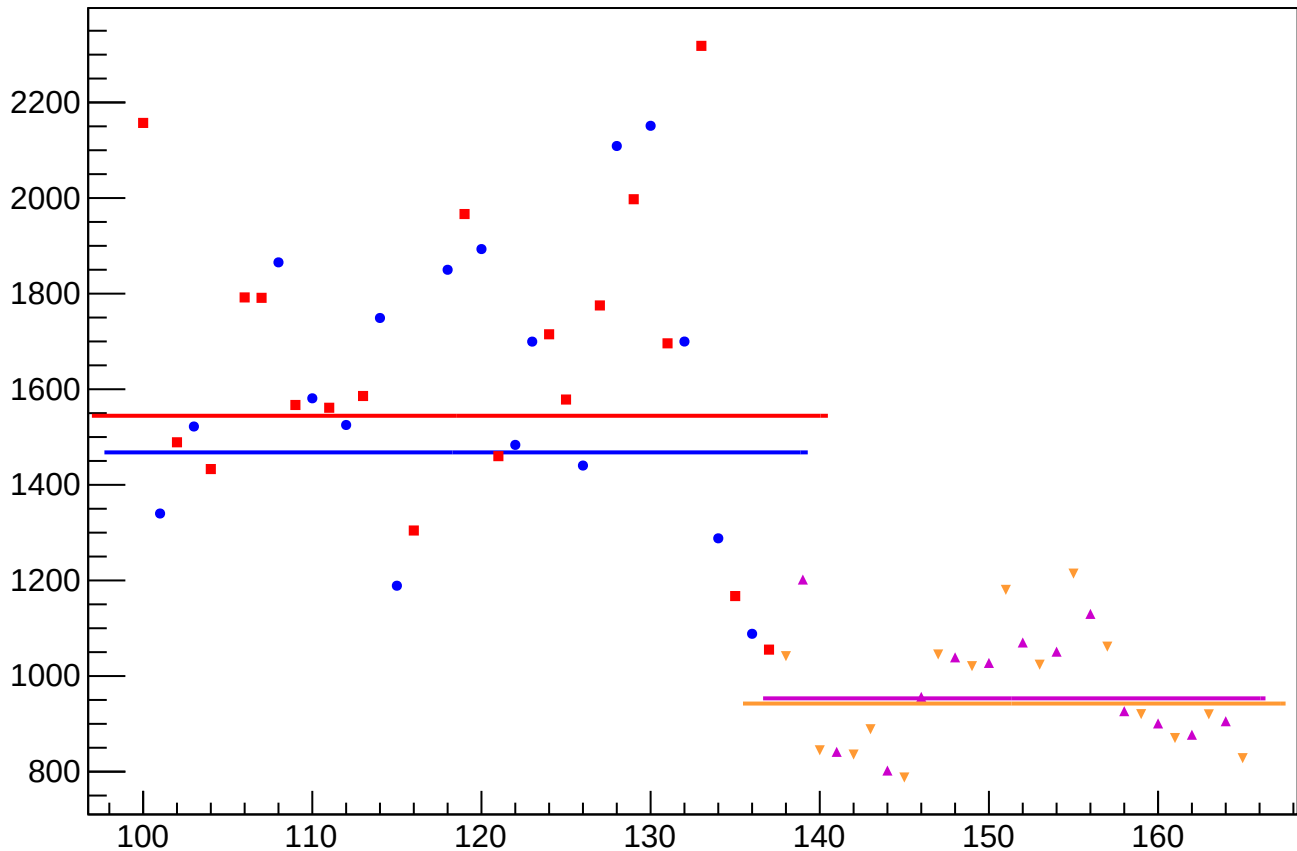
Left In: -66.397 $\pm$ 298.886 χ^2 /NDF:11.7/12

+ sign 1357.417 $\pm$ 256.268 χ^2 /NDF: 50.9/31

All: 757.389 $\pm$ 184.774 χ^2 /NDF: 86.9/63

- sign 107.704 $\pm$ 266.661 χ^2 /NDF: 24.5/31

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905 $\pm$ 0.413 χ^2 /NDF: 557458.9/16

Left Out: 942.468 $\pm$ 0.202 χ^2 /NDF:343897.0/14

Right Out: 1544.513 $\pm$ 0.417 χ^2 /NDF: 451805.9/18

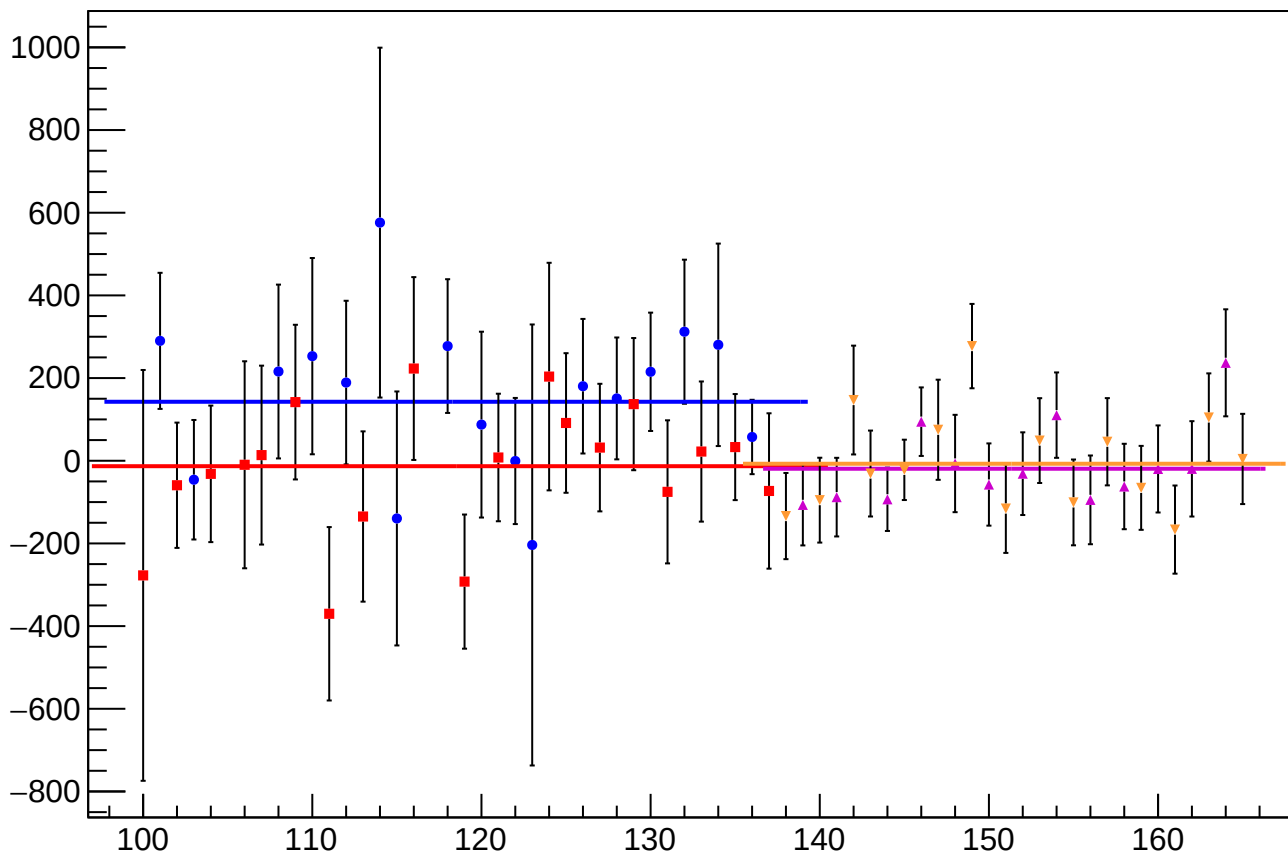
Left In: 953.332 $\pm$ 0.211 χ^2 /NDF:265475.8/12

+ sign 1043.472 $\pm$ 0.181 χ^2 /NDF: 2206901.8/31

All: 1058.099 $\pm$ 0.131 χ^2 /NDF: 4534025.7/63

- sign 1073.937 $\pm$ 0.189 χ^2 /NDF: 2313553.3/31

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -7.247 $\pm$ 26.626 χ^2 /NDF:18.0/14

Right Out: -13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

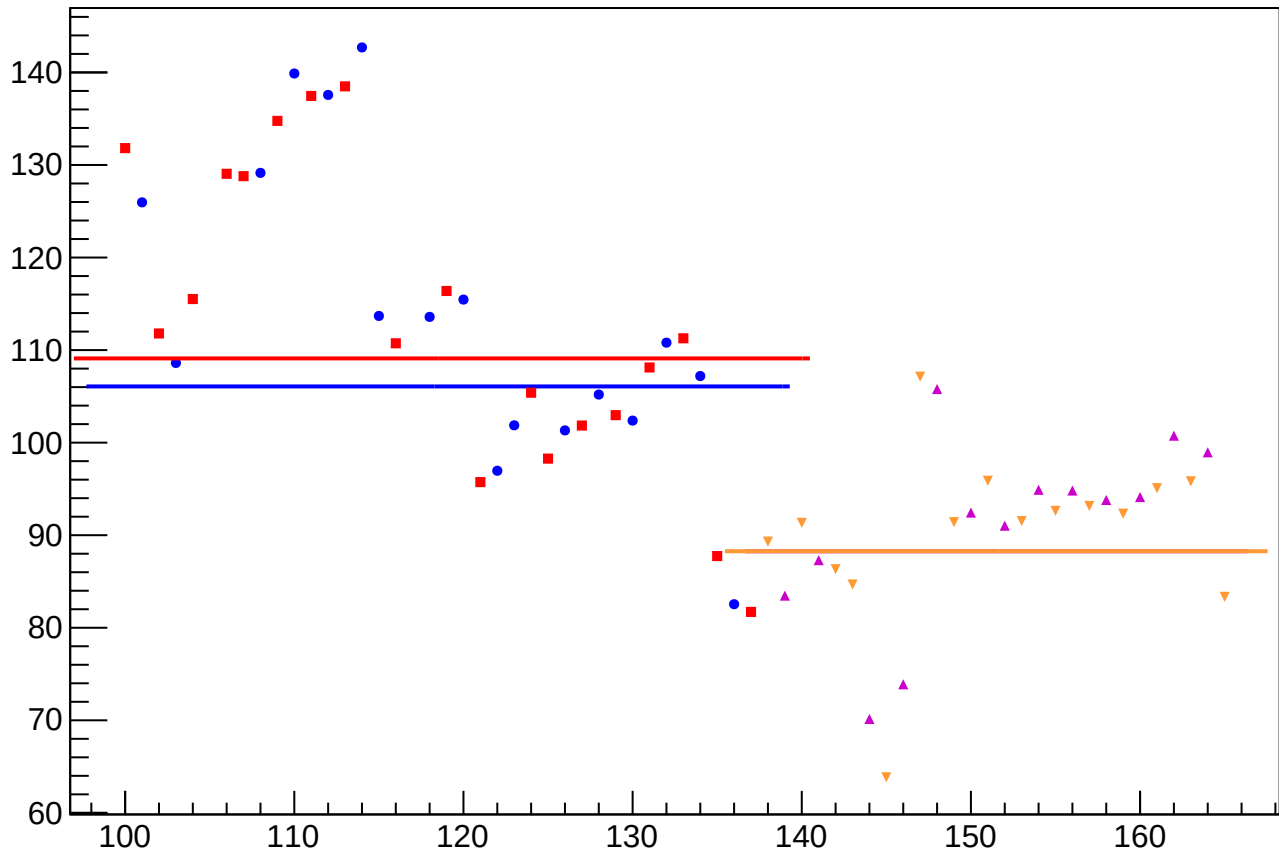
Left In: -19.343 $\pm$ 27.704 χ^2 /NDF:10.5/12

+ sign 36.288 $\pm$ 22.430 χ^2 /NDF: 36.5/31

All: 10.128 $\pm$ 16.066 χ^2 /NDF: 60.6/63

- sign -17.436 $\pm$ 23.024 χ^2 /NDF: 21.3/31

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 88.269 $\pm$ 0.019 χ^2 /NDF:324704.0/14

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

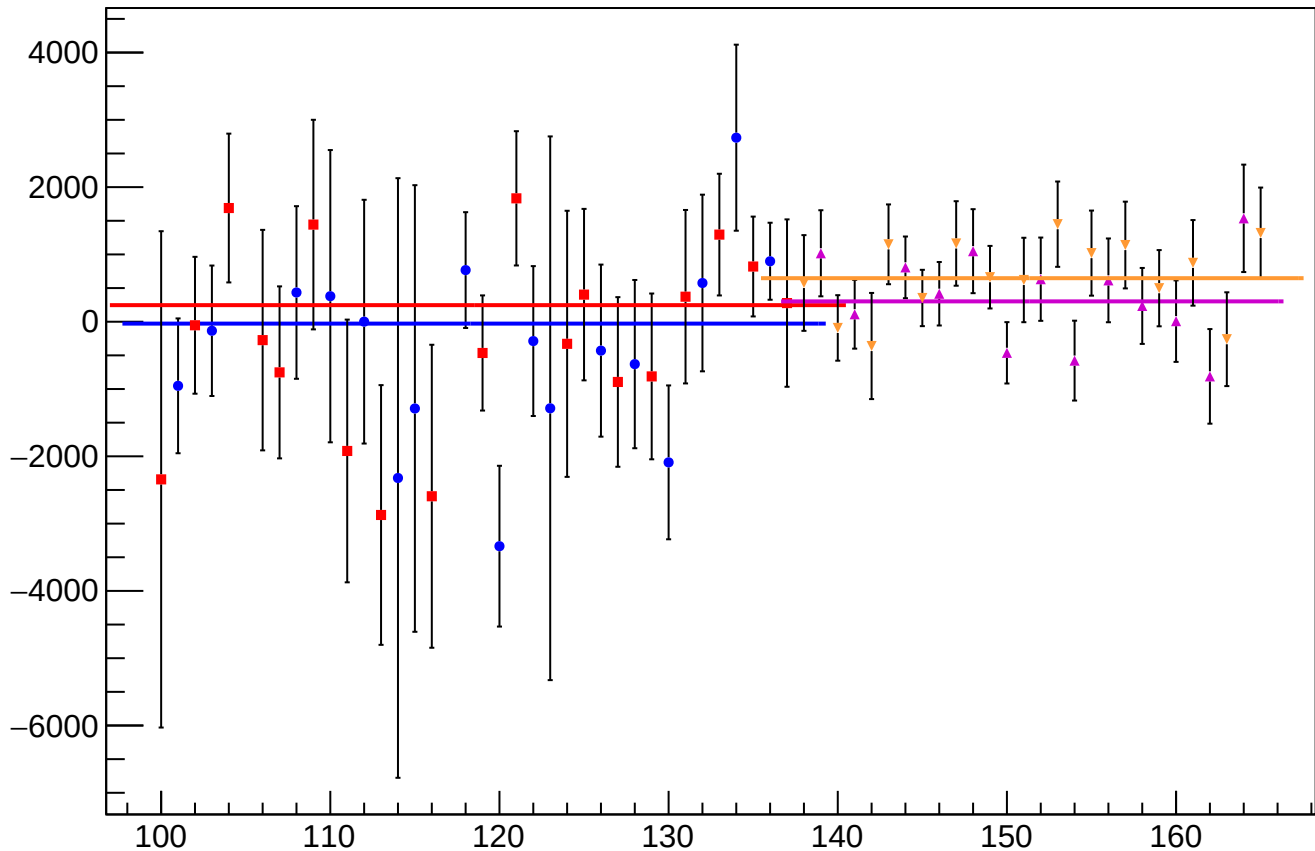
Left In: 88.263 $\pm$ 0.020 χ^2 /NDF:291095.9/12

+ sign 93.439 $\pm$ 0.016 χ^2 /NDF: 902277.0/31

All: 94.057 $\pm$ 0.011 χ^2 /NDF: 1831882.7/63

- sign 94.709 $\pm$ 0.016 χ^2 /NDF: 926483.8/31

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 647.009 ± 151.955 χ^2/NDF : 11.3/14

Right Out: 246.386 ± 279.451 χ^2/NDF : 15.9/18

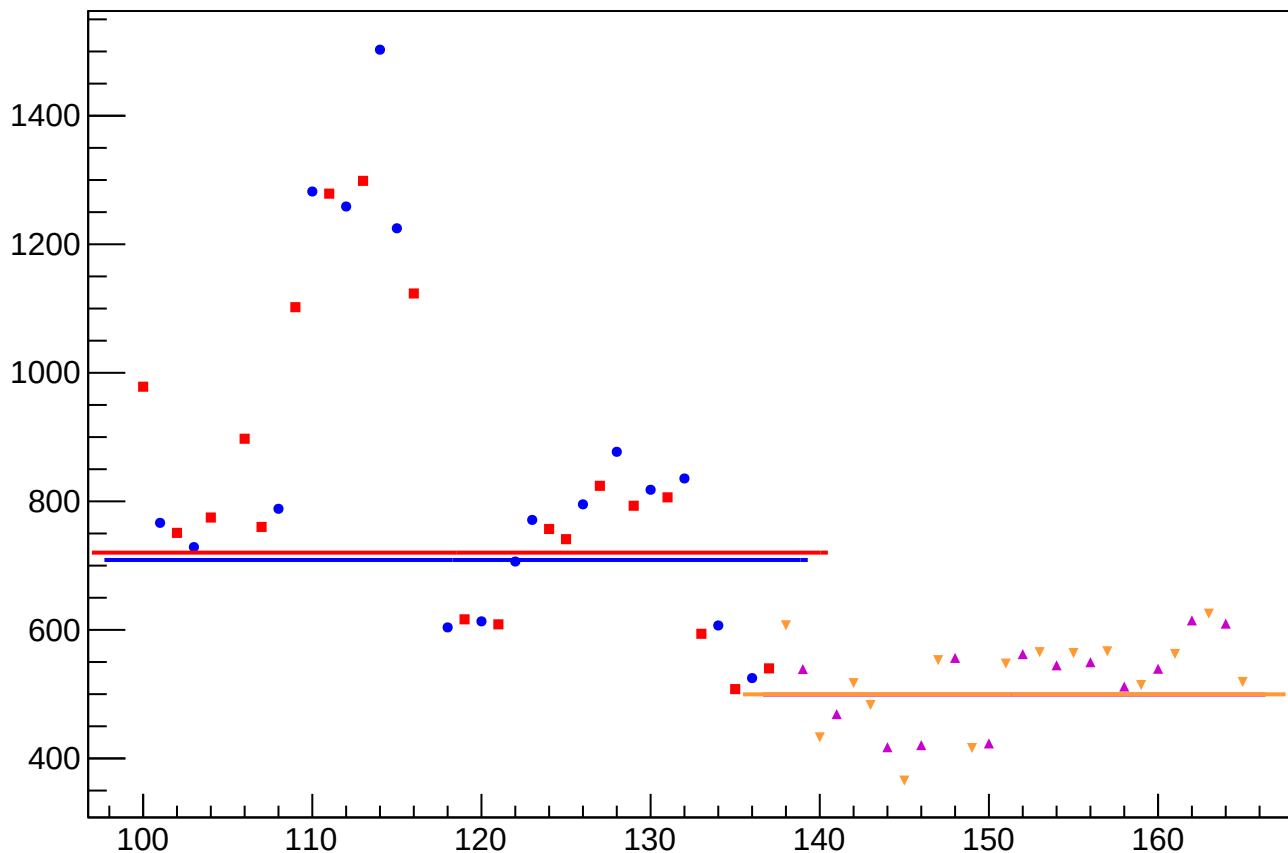
Left In: 302.416 ± 157.329 χ^2/NDF : 14.8/12

+ sign 496.570 ± 133.955 χ^2/NDF : 36.2/31

All: 395.156 ± 95.811 χ^2/NDF : 68.0/63

- sign 288.931 ± 137.095 χ^2/NDF : 30.7/31

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 499.717 $\pm$ 0.107 χ^2 /NDF: 533406.5/14

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

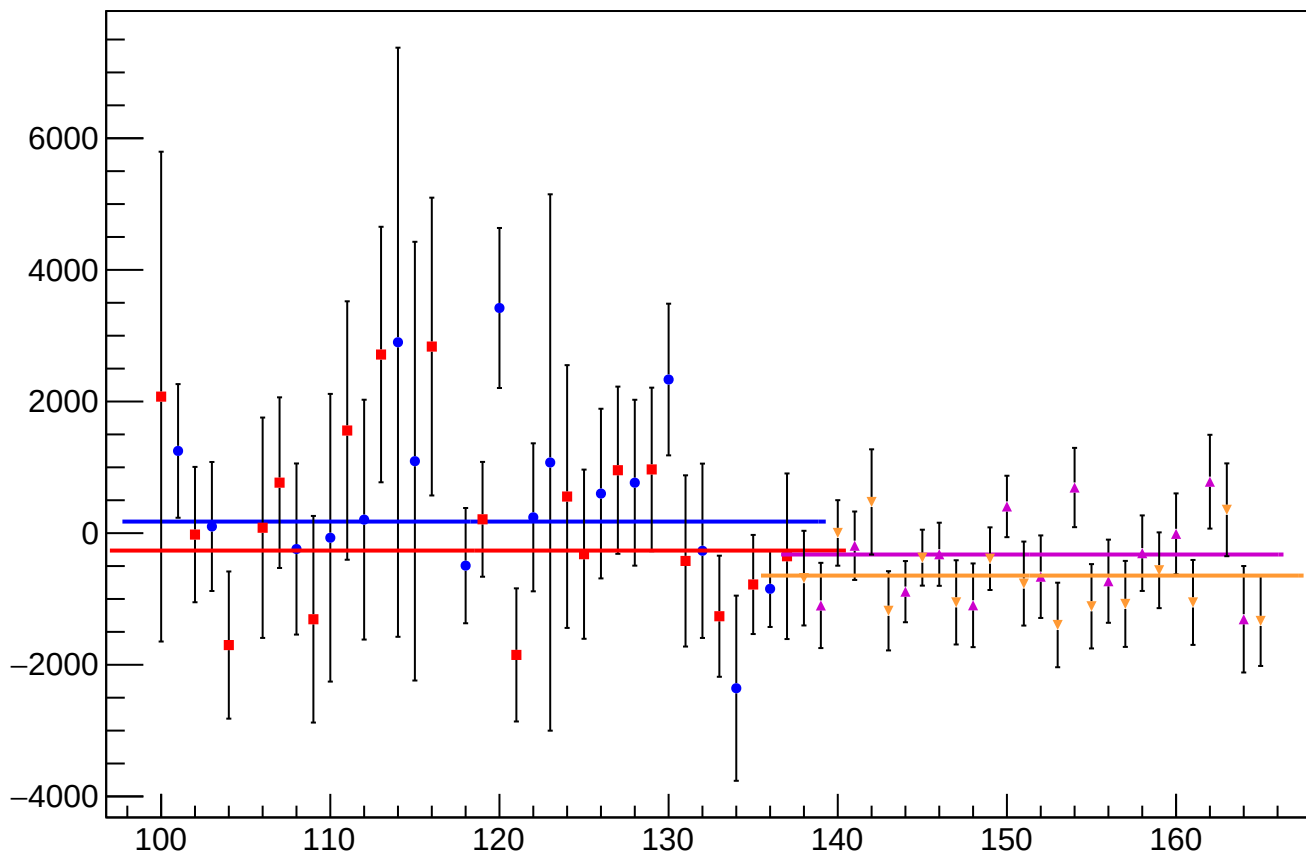
Left In: 499.315 $\pm$ 0.111 χ^2 /NDF: 354110.9/12

+ sign 546.314 $\pm$ 0.095 χ^2 /NDF: 2170756.4/31

All: 549.324 $\pm$ 0.068 χ^2 /NDF: 4375689.5/63

- sign 552.477 $\pm$ 0.097 χ^2 /NDF: 2202865.4/31

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2/NDF : 19.7/16

Left Out: -644.609 $\pm$ 154.458 χ^2/NDF :11.4/14

Right Out: -264.622 $\pm$ 283.074 χ^2/NDF : 14.8/18

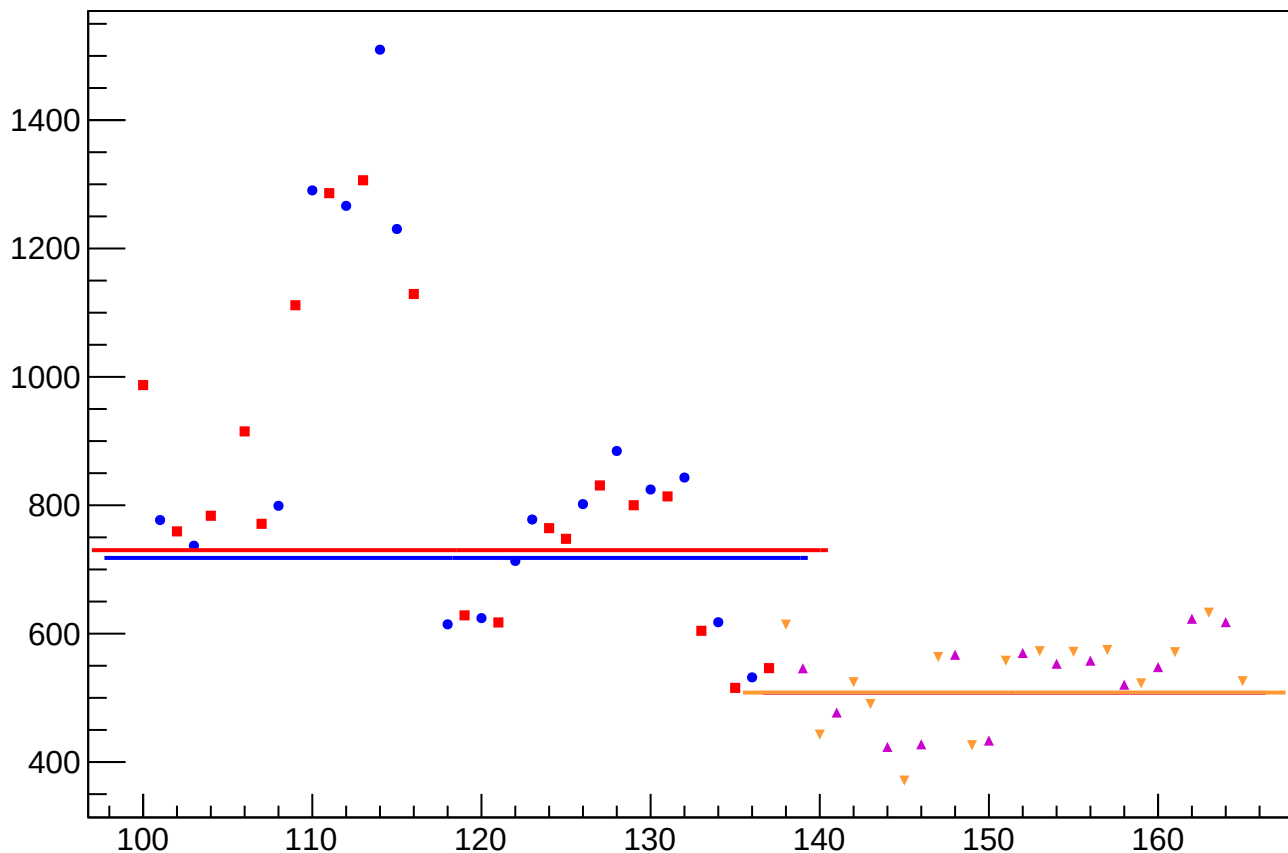
Left In: -324.675 $\pm$ 159.893 χ^2/NDF :14.6/12

+ sign -460.559 $\pm$ 136.035 χ^2/NDF : 37.4/31

All: -387.094 $\pm$ 97.298 χ^2/NDF : 67.5/63

- sign -310.149 $\pm$ 139.219 χ^2/NDF : 29.4/31

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 508.226 $\pm$ 0.109 χ^2 /NDF: 519627.3/14

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

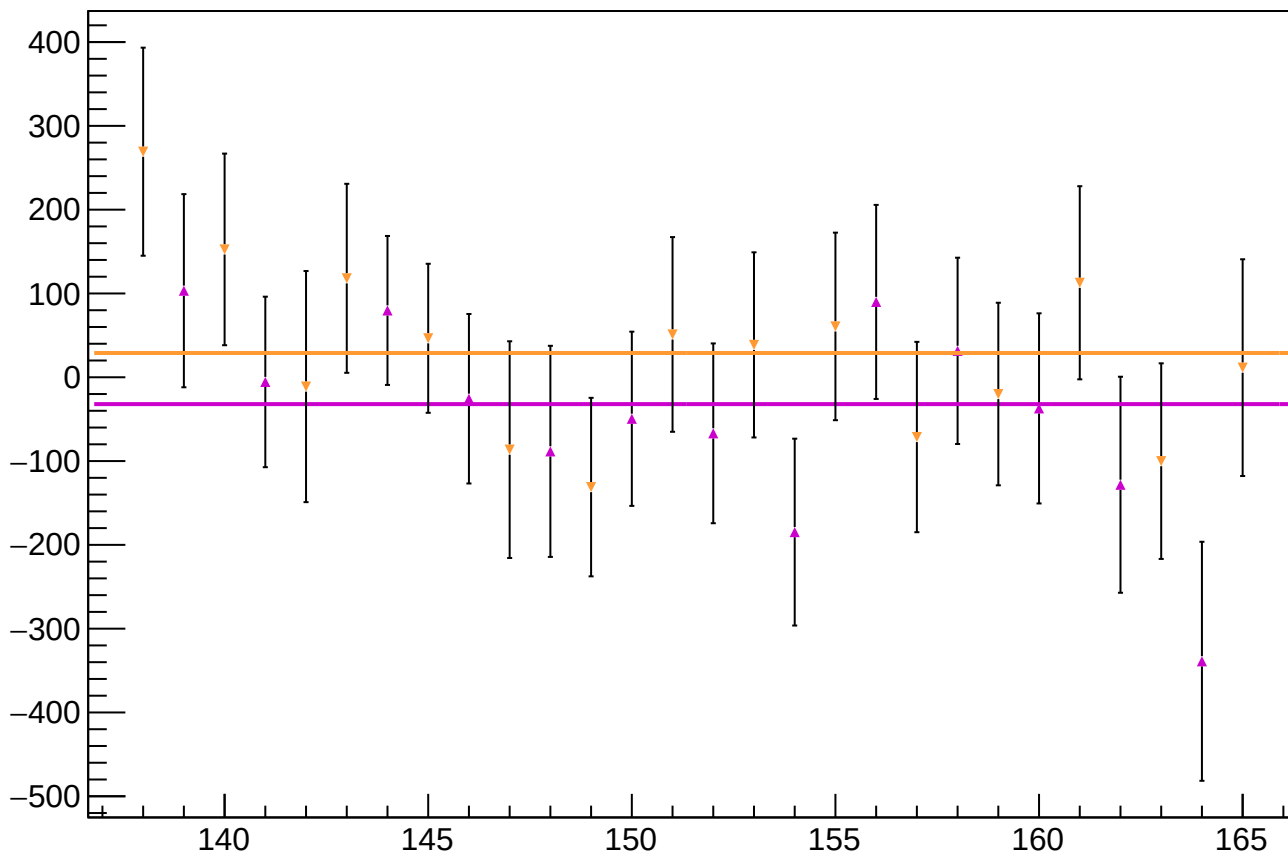
Left In: 507.628 $\pm$ 0.113 χ^2 /NDF: 346448.9/12

+ sign 555.278 $\pm$ 0.096 χ^2 /NDF: 2125535.1/31

All: 558.280 $\pm$ 0.069 χ^2 /NDF: 4291837.6/63

- sign 561.425 $\pm$ 0.098 χ^2 /NDF: 2164307.4/31

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 28.973+/-29.447 χ^2/NDF : 11.6/14

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

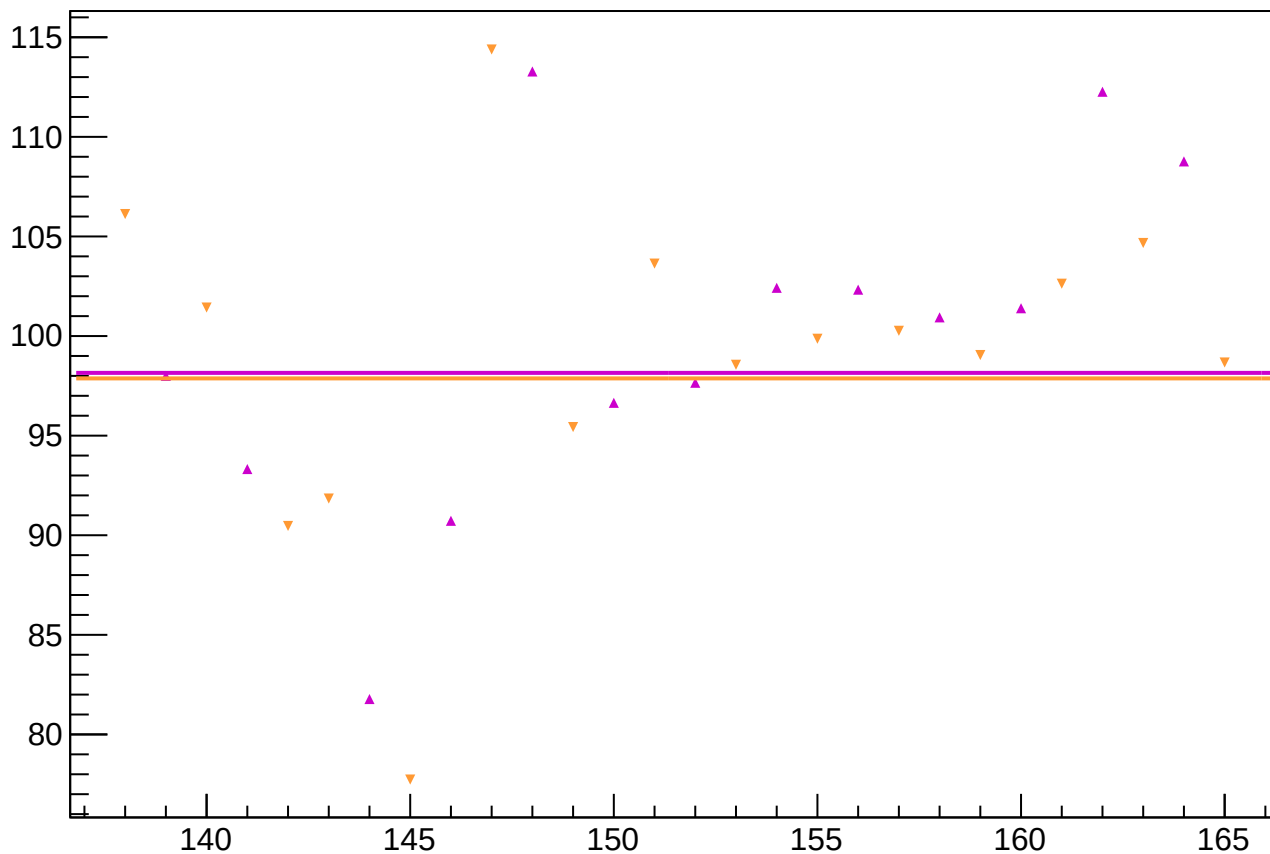
Left In: -32.043+/-30.689 χ^2/NDF : 11.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.275+/-21.248 χ^2/NDF : 25.5/27

- 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: 97.874+/-0.021 χ^2/NDF :175537.9/14

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

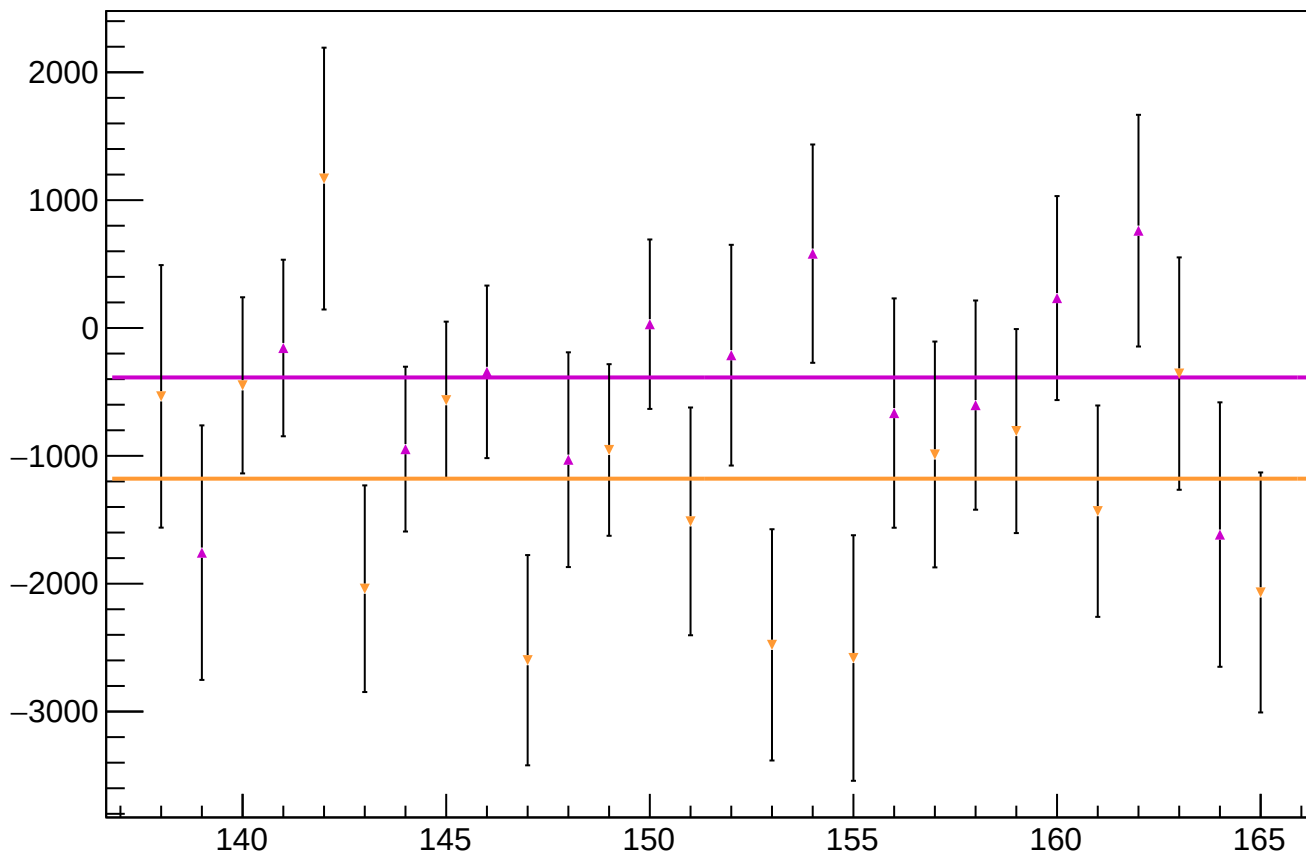
Left In: 98.151+/-0.022 χ^2/NDF :155973.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 98.007+/-0.015 χ^2/NDF : 331596.7/27

- 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: -1178.501+/-212.649 χ^2/NDF :18.4/14

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

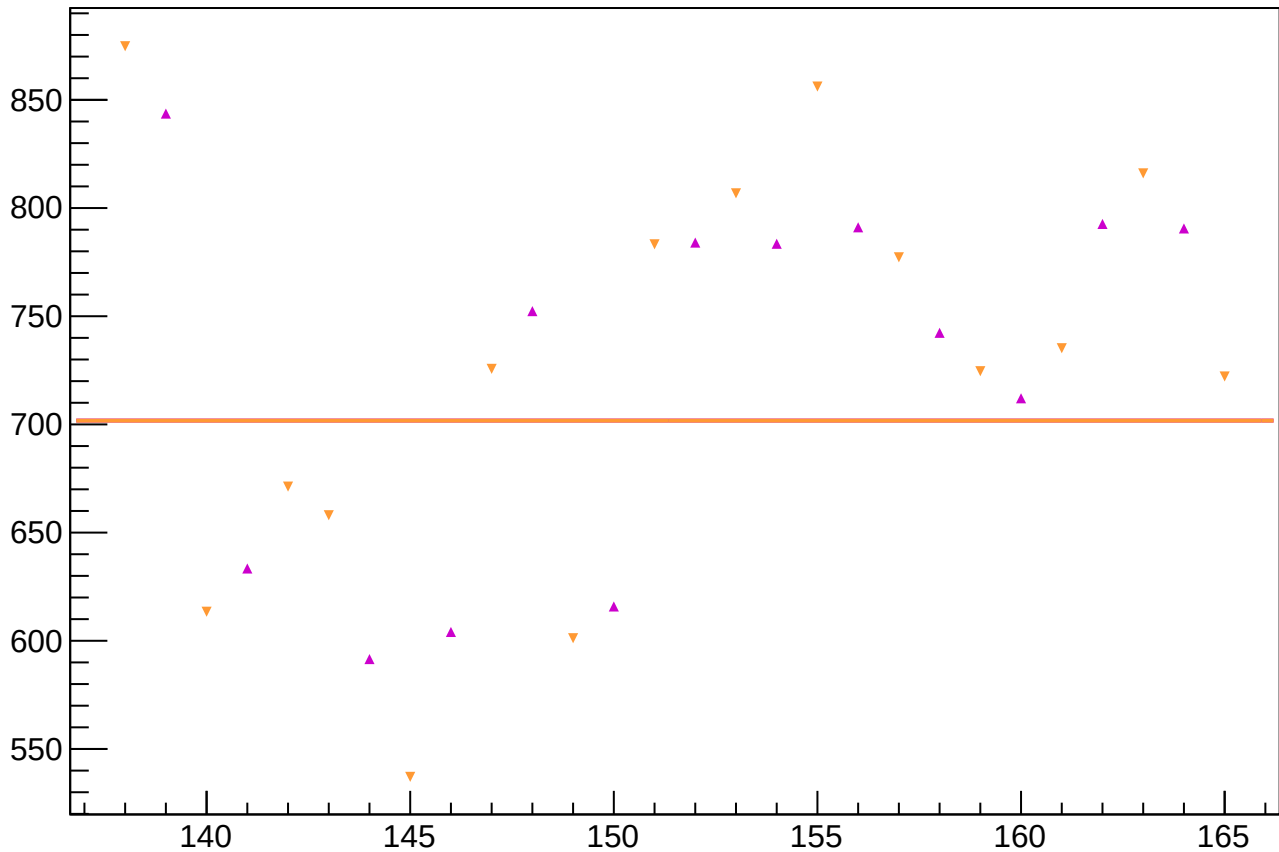
Left In: -386.756+/-220.443 χ^2/NDF :8.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -796.872+/-153.047 χ^2/NDF : 34.0/27

- 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: 701.751+/-0.150 χ^2/NDF : 434885.9/14

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

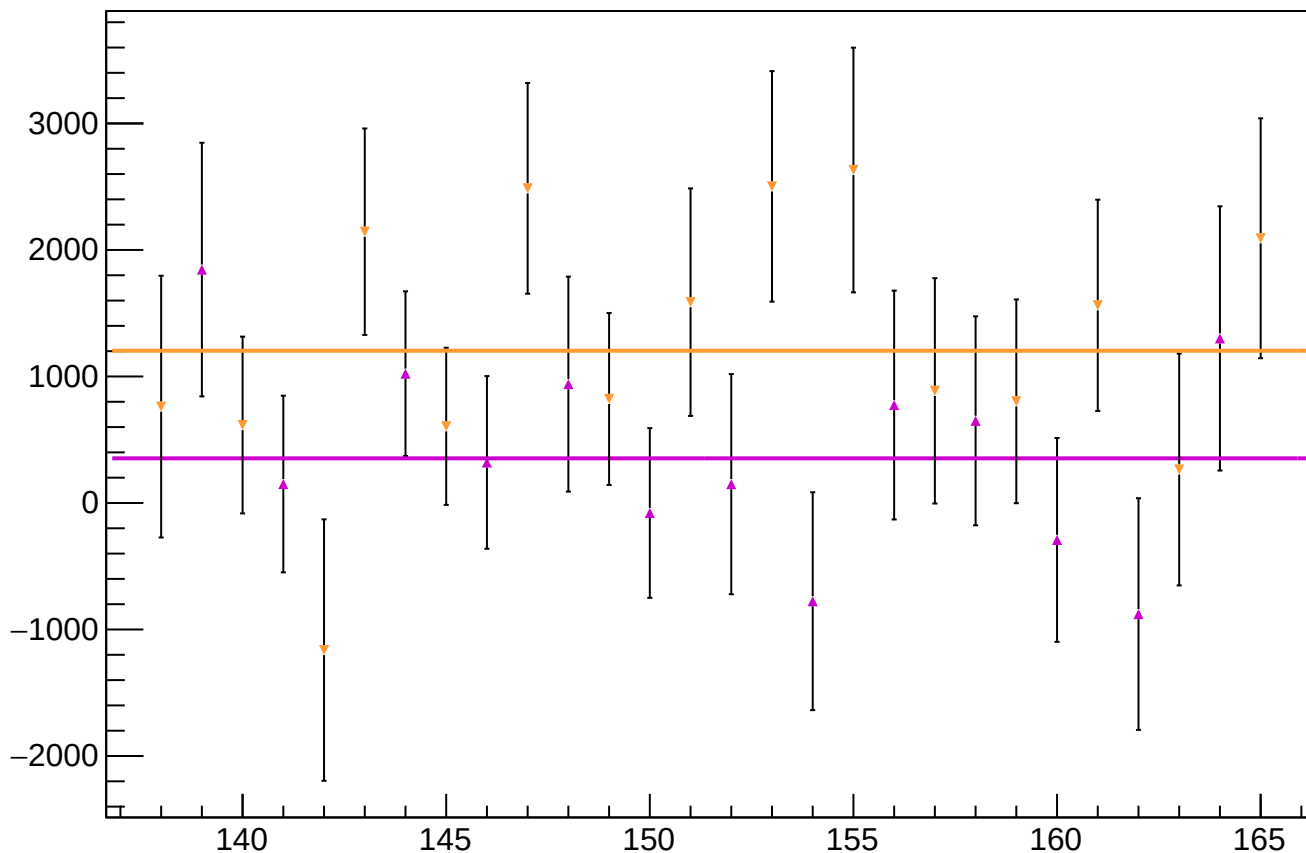
Left In: 701.780+/-0.156 χ^2/NDF : 297939.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 701.765+/-0.108 χ^2/NDF : 732825.3/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_mean vs Slug



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

Left Out: 1203.287+/-214.807 χ^2/NDF :18.0/14

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

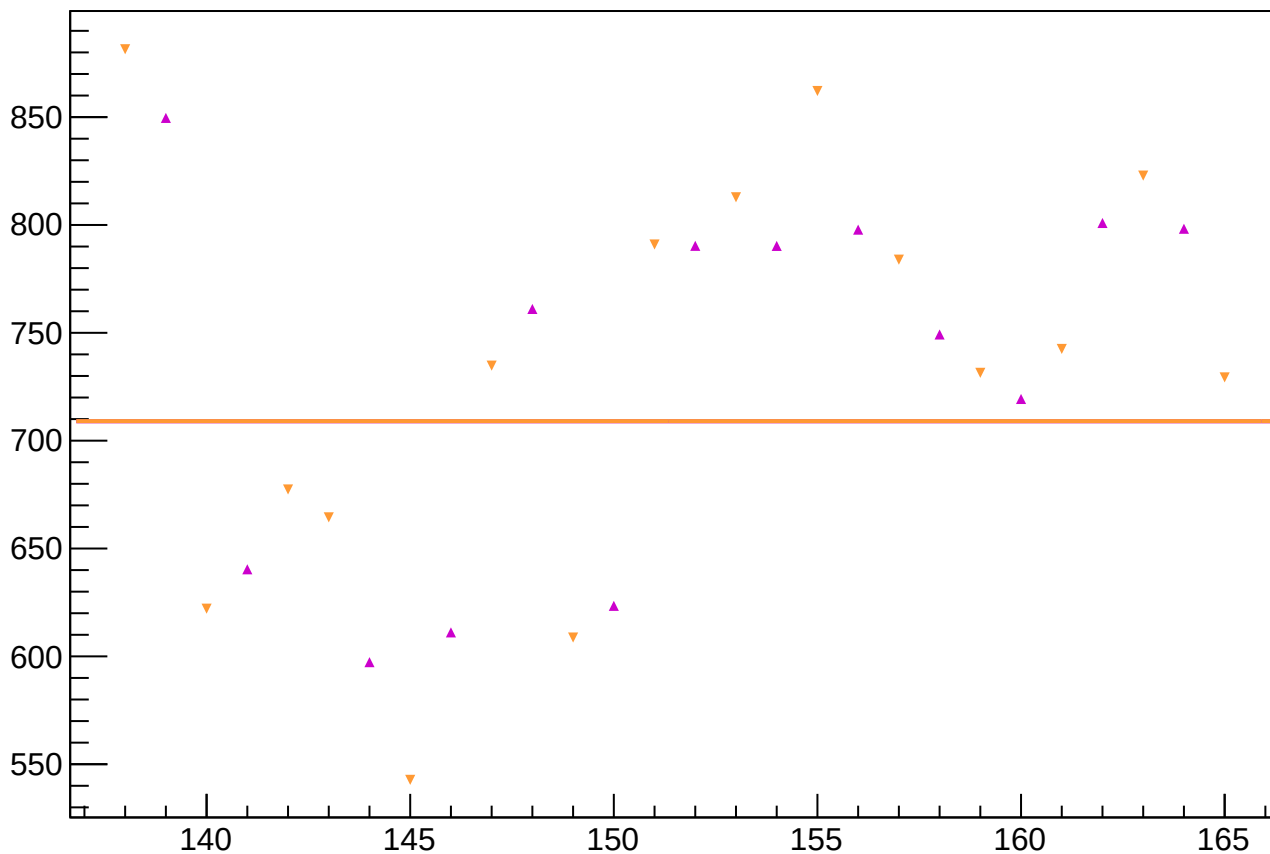
Left In: 352.793+/-222.662 χ^2/NDF :9.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 793.307+/-154.594 χ^2/NDF : 35.2/27

- sign 0.000+/-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: 709.061+/-0.152 χ^2/NDF : 426552.9/14

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

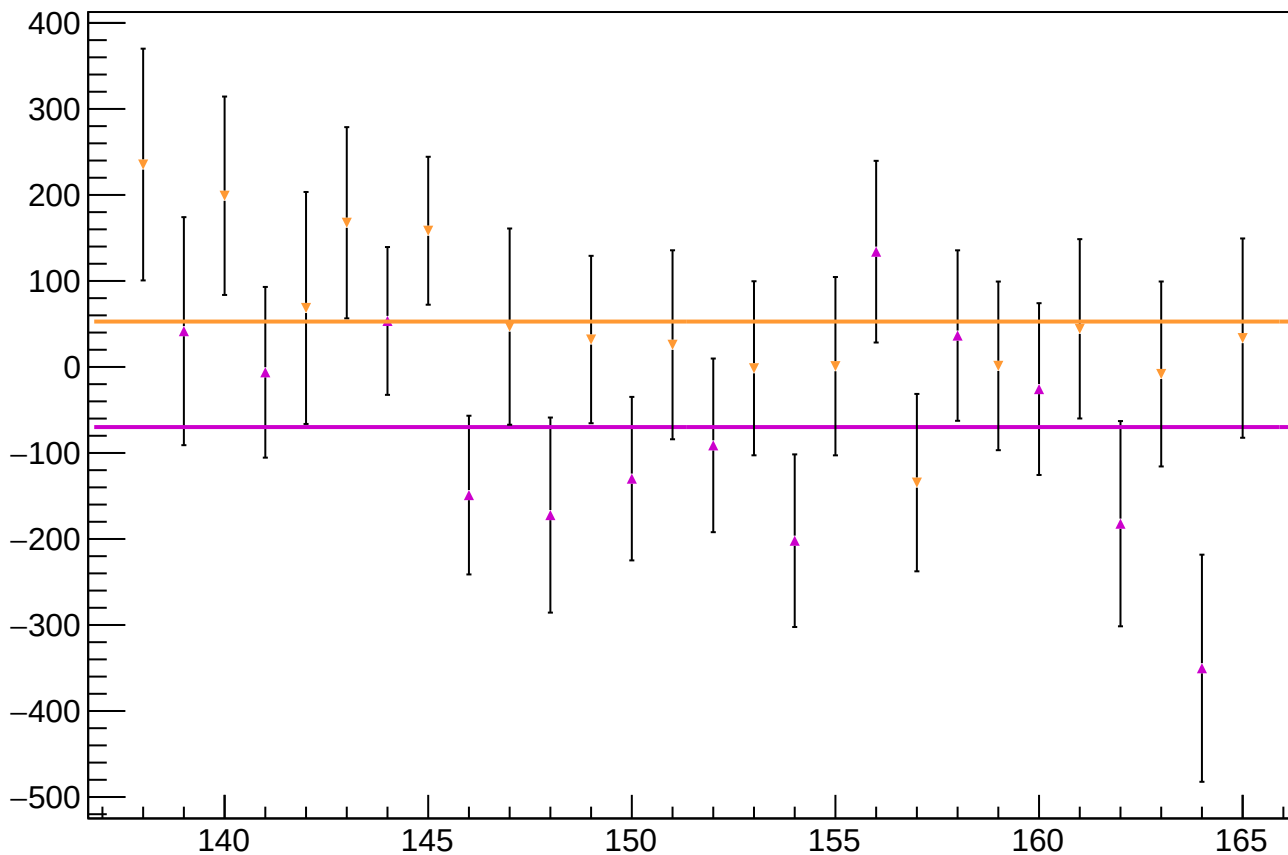
Left In: 708.974+/-0.157 χ^2/NDF : 293218.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 709.019+/-0.109 χ^2/NDF : 719771.7/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 52.799 $\pm$ 27.646 χ^2 /NDF:10.6/14

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

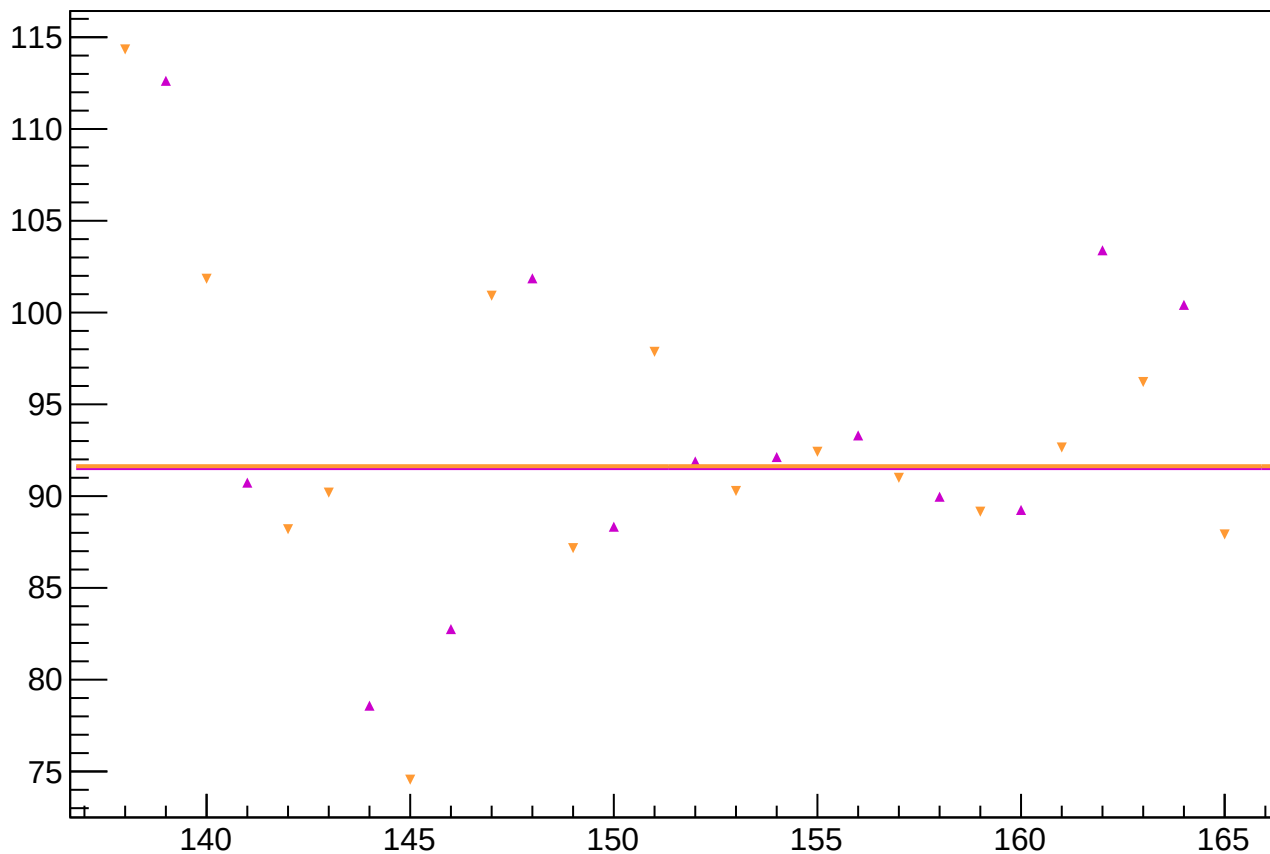
Left In: -69.882 $\pm$ 28.671 χ^2 /NDF:17.4/12

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

All: -6.309 $\pm$ 19.901 χ^2 /NDF: 37.5/27

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

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 91.630+/-0.020 χ^2/NDF :184591.7/14

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

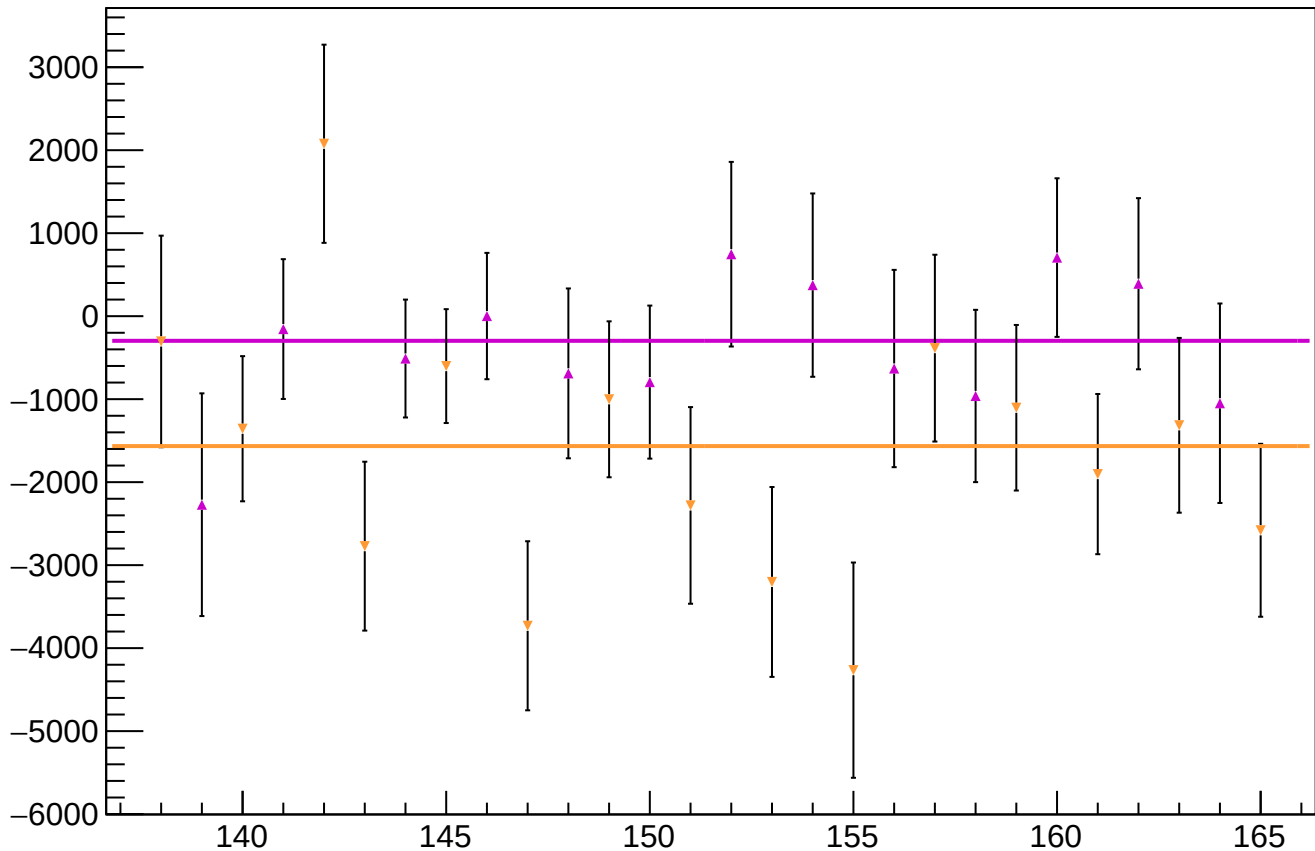
Left In: 91.526+/-0.020 χ^2/NDF :164171.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 91.580+/-0.014 χ^2/NDF : 348776.3/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1565.498 $\pm$ 261.949 χ^2 /NDF:27.8/14

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

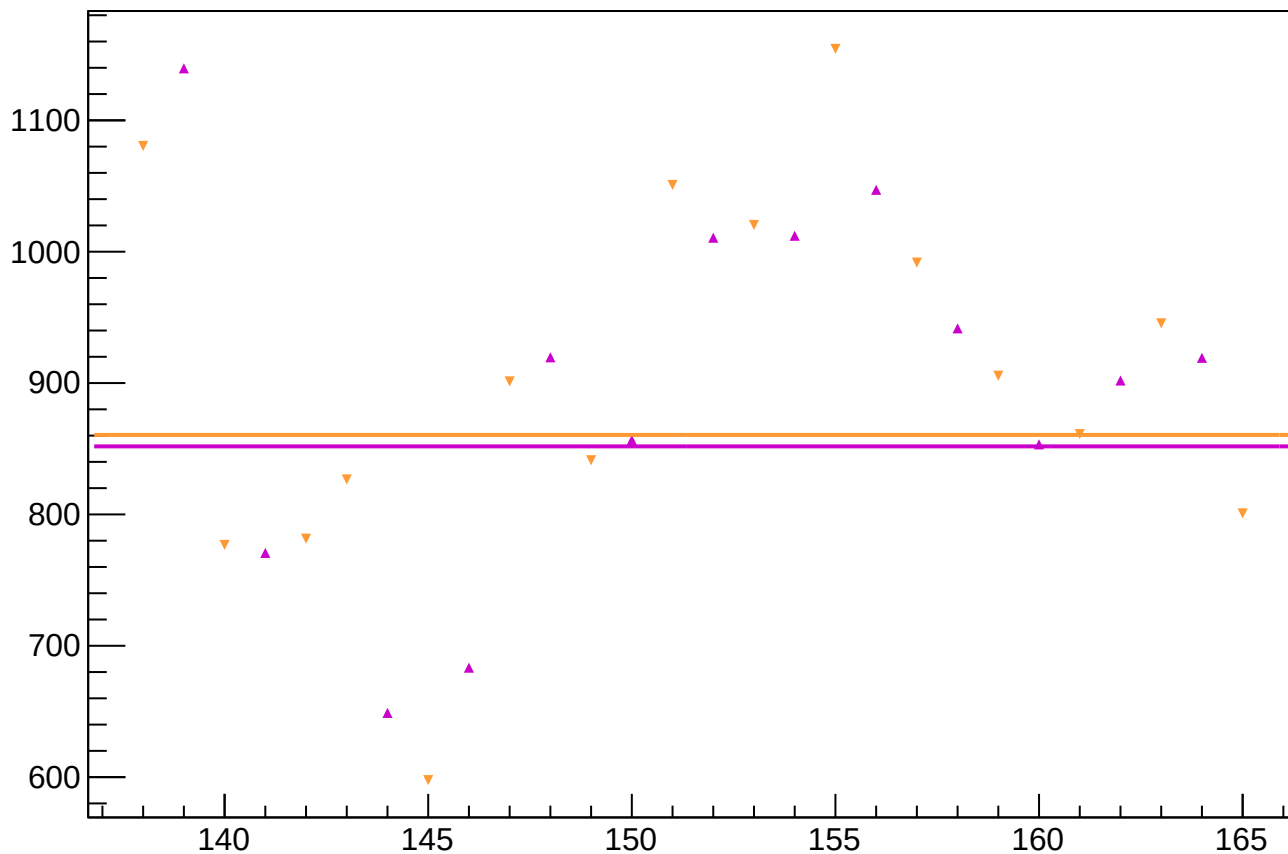
Left In: -296.983 $\pm$ 269.227 χ^2 /NDF:6.6/12

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

All: -948.619 $\pm$ 187.746 χ^2 /NDF: 45.7/27

- 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: 860.527+/-0.185 χ^2/NDF : 630651.6/14

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

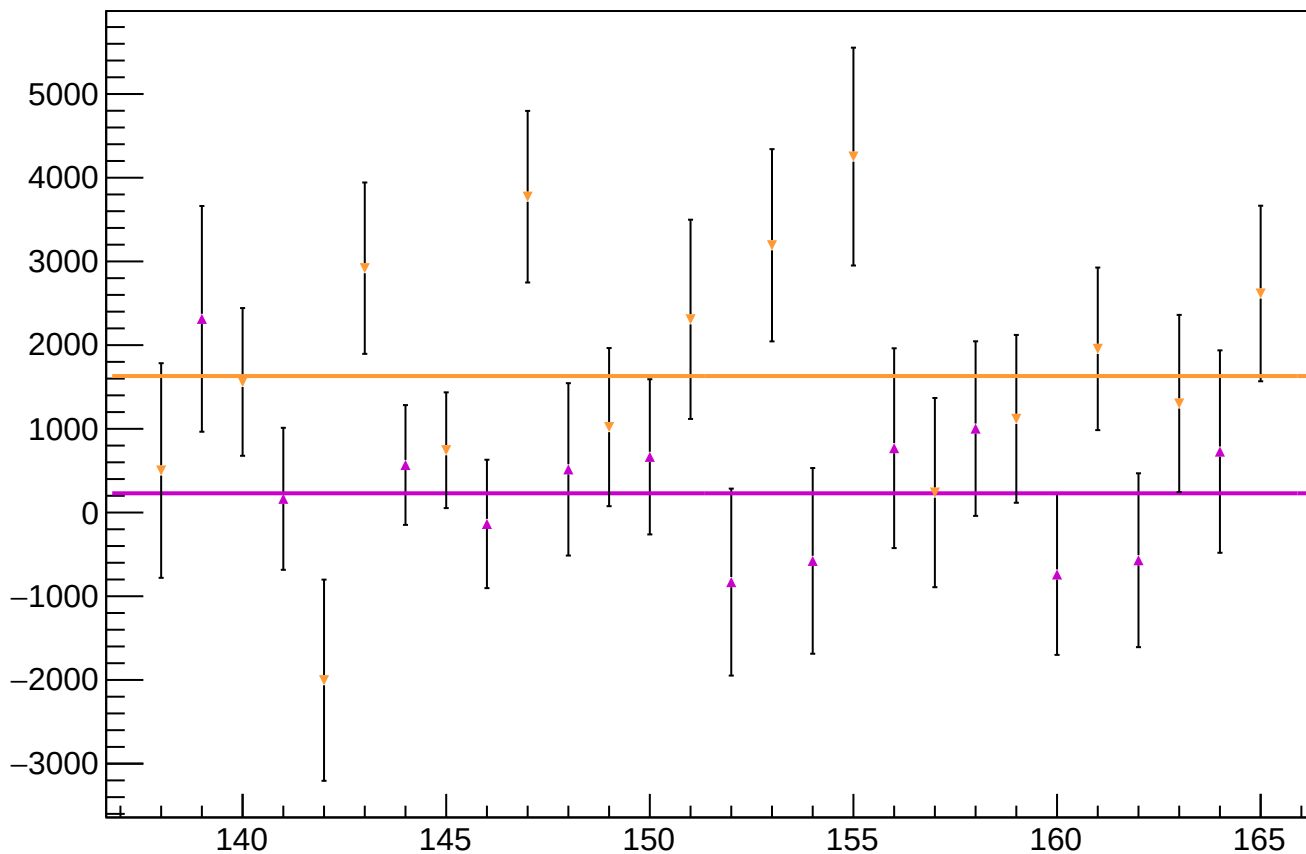
Left In: 851.805+/-0.190 χ^2/NDF : 543509.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 856.286+/-0.133 χ^2/NDF : 1175238.9/27

- 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: 1630.666+/-263.542 χ^2/NDF :27.0/14

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

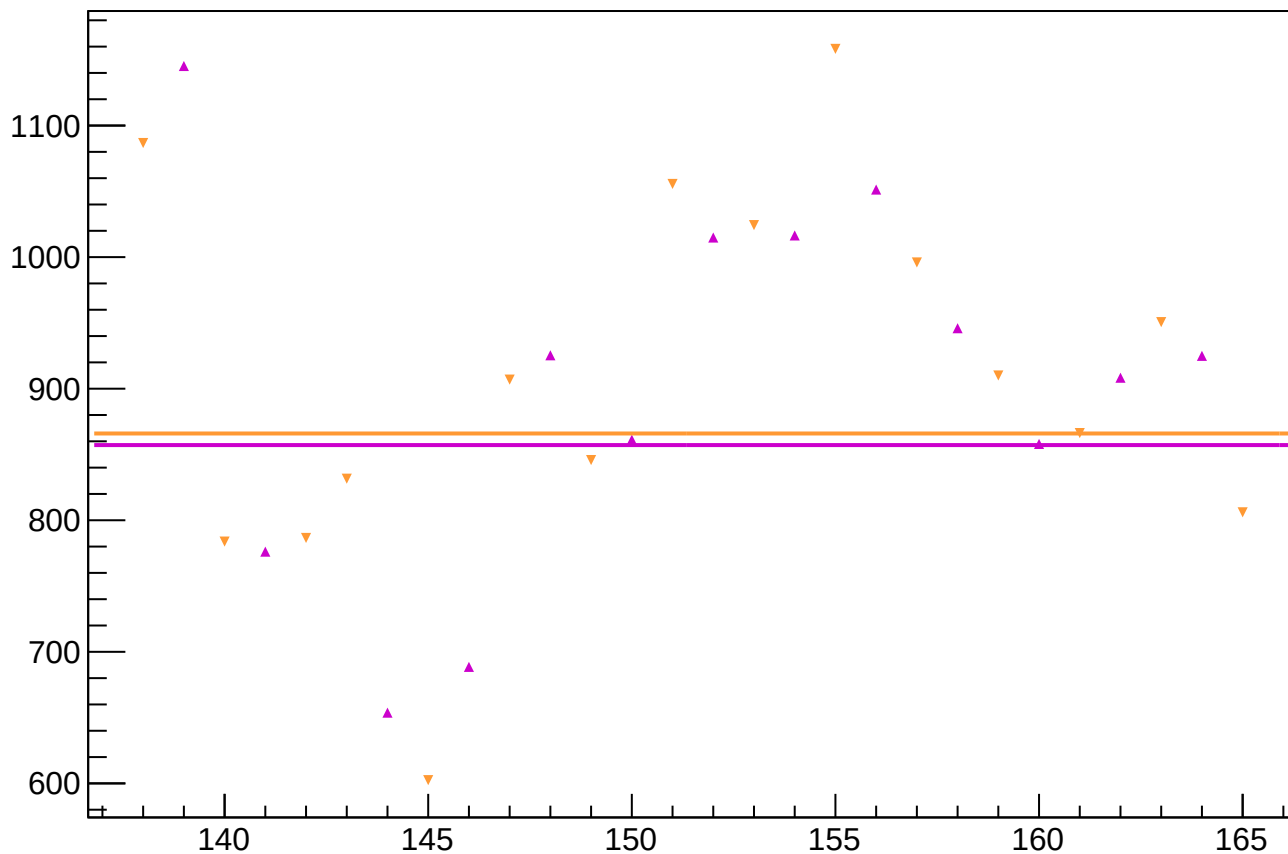
Left In: 229.919+/-270.861 χ^2/NDF :7.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 949.472+/-188.887 χ^2/NDF : 47.9/27

- 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: 865.951+/-0.186 χ^2/NDF : 621555.2/14

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

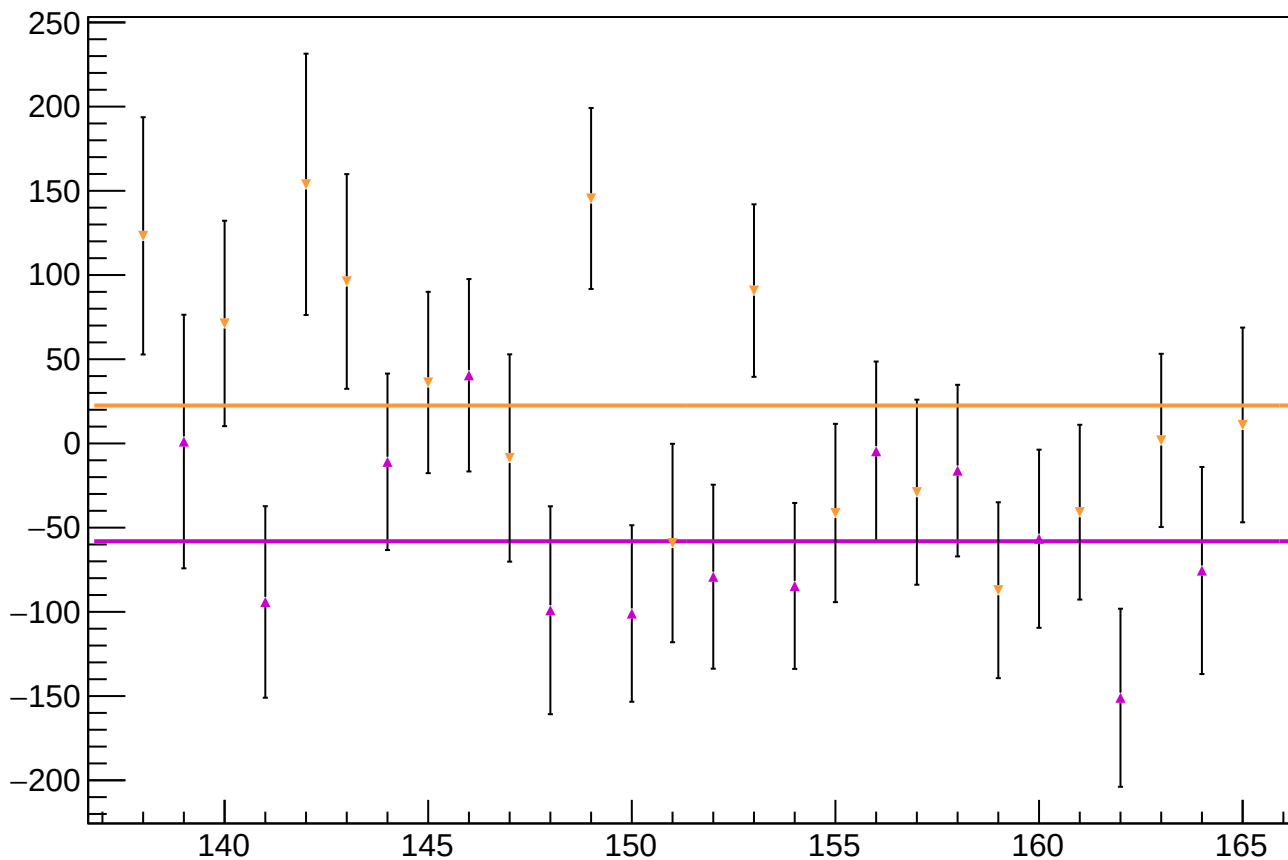
Left In: 857.142+/-0.192 χ^2/NDF : 536357.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 861.667+/-0.134 χ^2/NDF : 1158999.4/27

- 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: 22.526 $\pm$ 14.727 χ^2 /NDF:24.6/14

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

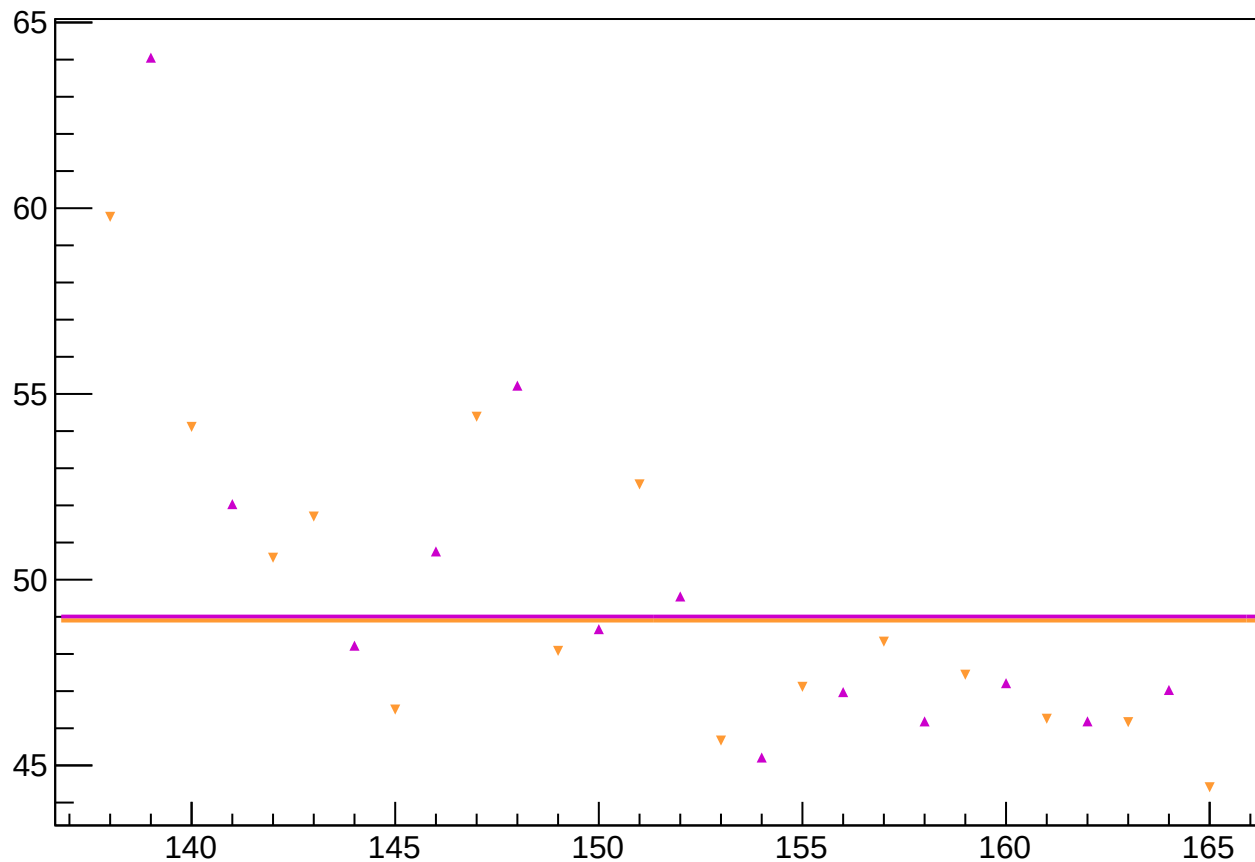
Left In: -58.067 $\pm$ 15.344 χ^2 /NDF:11.2/12

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

All: -16.119 $\pm$ 10.625 χ^2 /NDF: 50.1/27

- 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: 48.901+/-0.010 χ^2 /NDF:129985.8/14

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

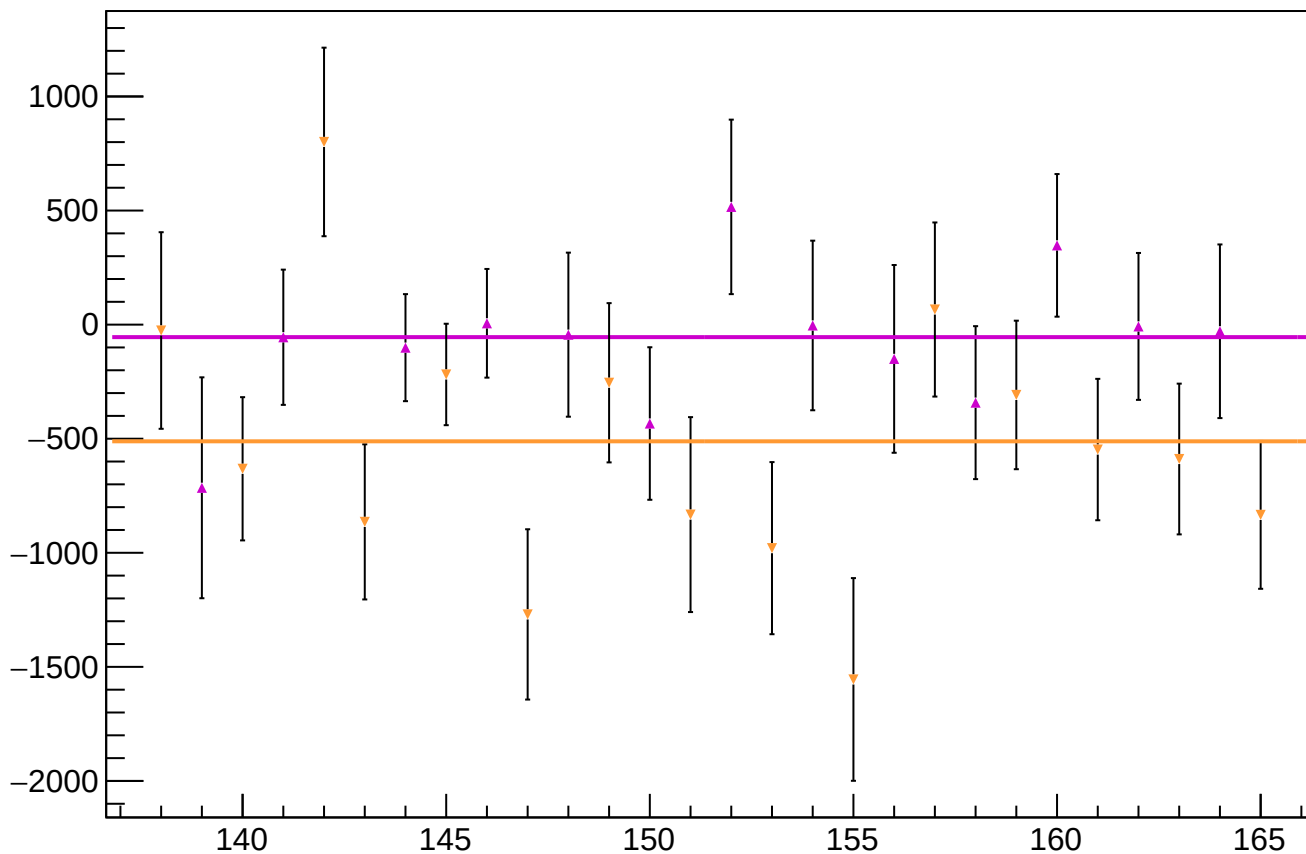
Left In: 49.006+/-0.011 χ^2 /NDF:139389.0/12

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 48.951+/-0.008 χ^2 /NDF: 269423.2/27

- 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: -511.420+/-88.162 χ^2/NDF : 30.4/14

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

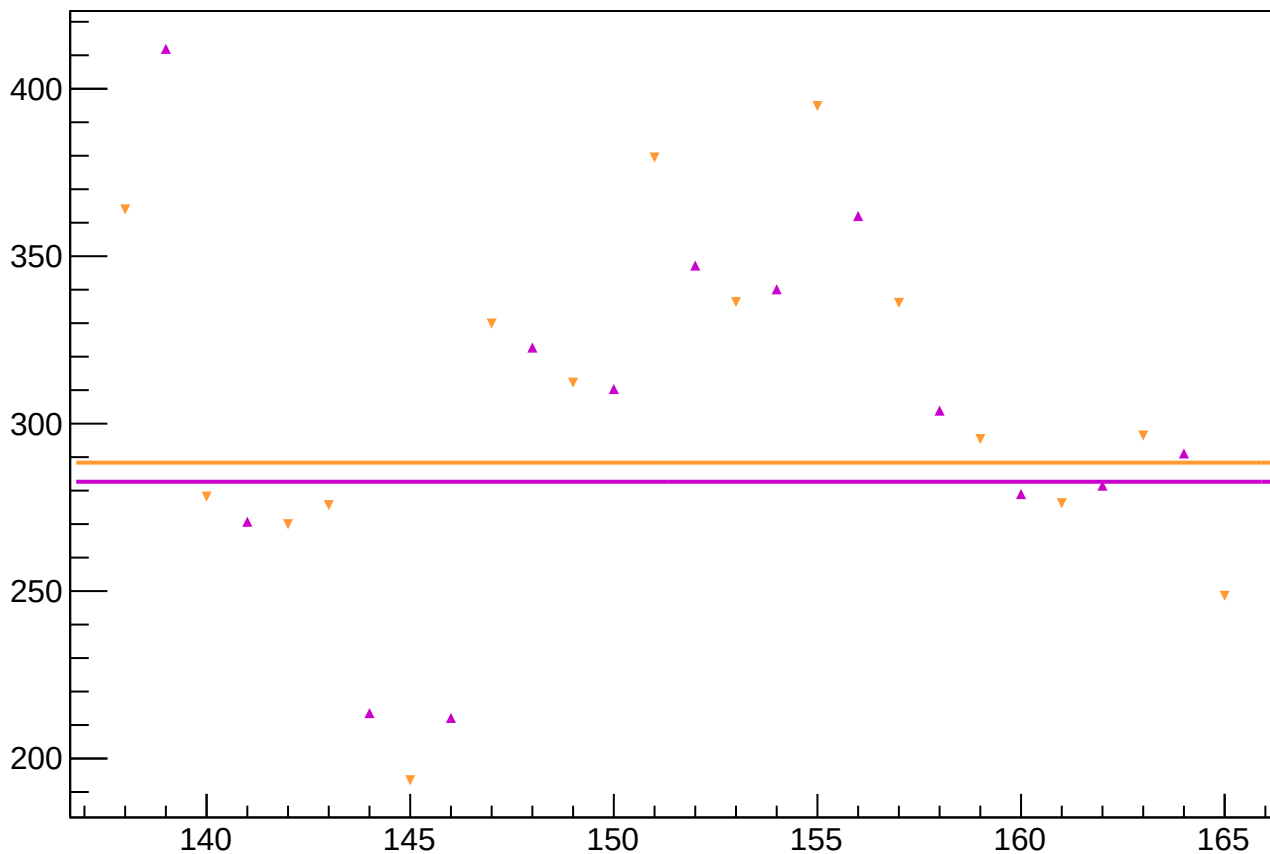
Left In: -54.740+/-89.872 χ^2/NDF : 8.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -287.466+/-62.936 χ^2/NDF : 51.5/27

- 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: 288.359+/-0.062 χ^2/NDF : 773509.5/14

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

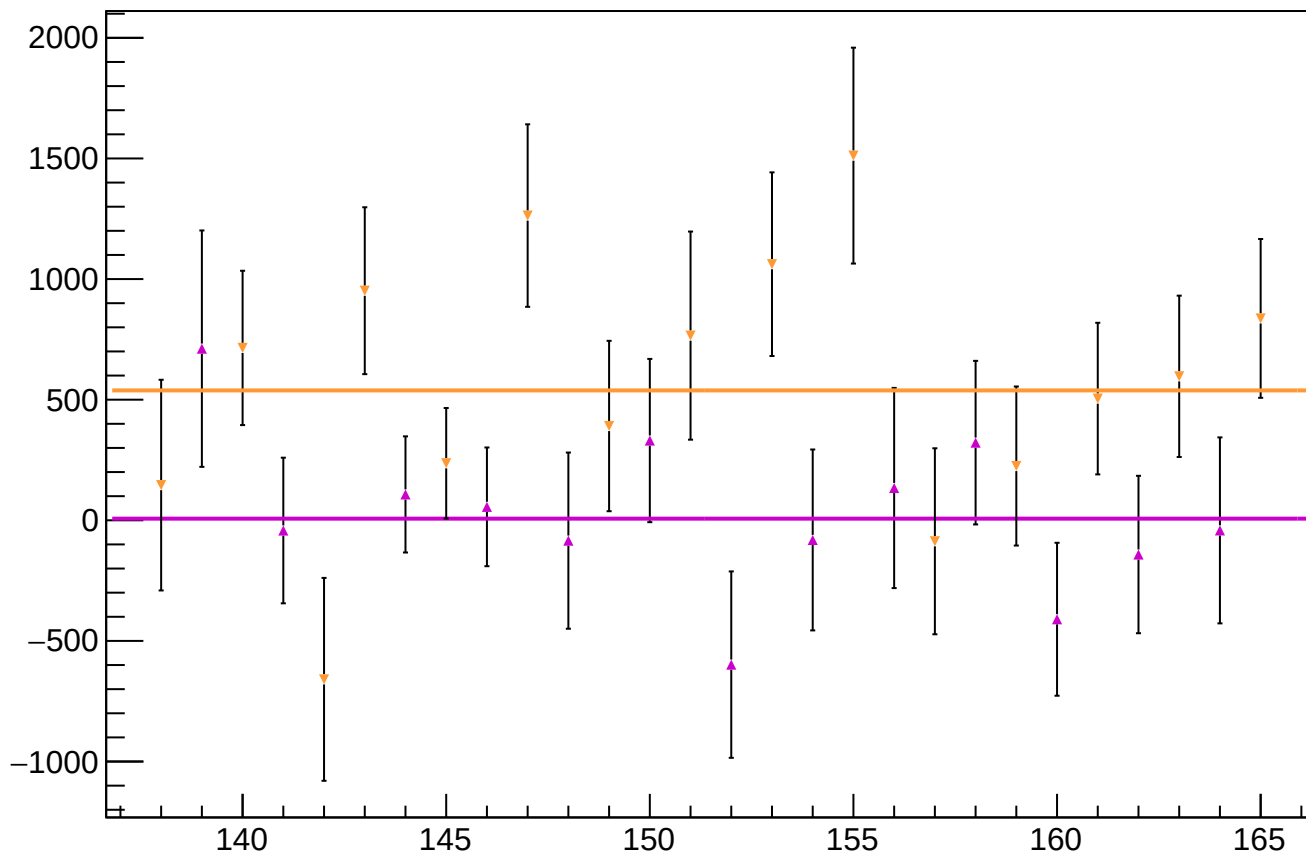
Left In: 282.651+/-0.064 χ^2/NDF : 721814.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 285.560+/-0.045 χ^2/NDF : 1499436.7/27

- 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: 538.473+/-89.593 χ^2/NDF :27.5/14

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

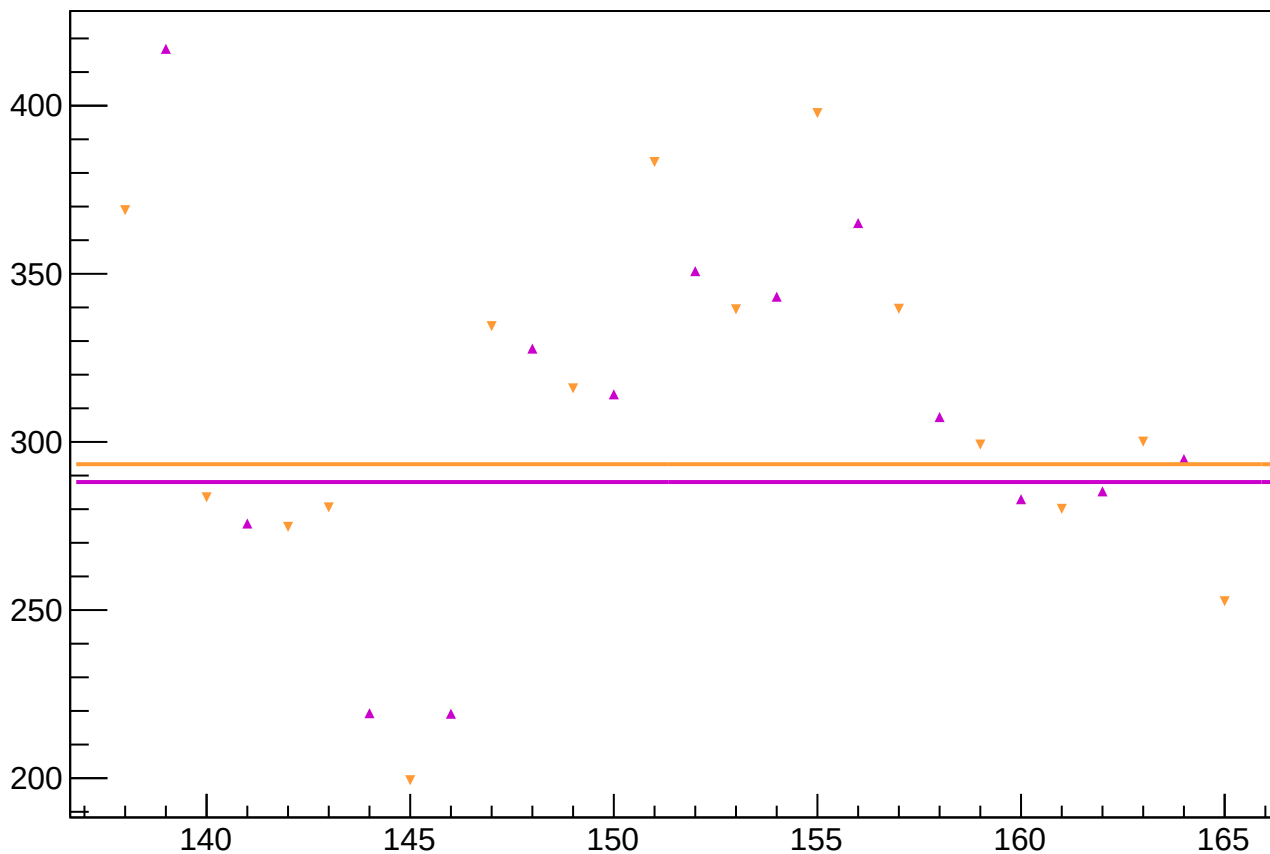
Left In: 6.862+/-91.465 χ^2/NDF :8.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 278.164+/-64.003 χ^2/NDF : 53.5/27

- 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: 293.376+/-0.063 χ^2/NDF : 726184.9/14

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

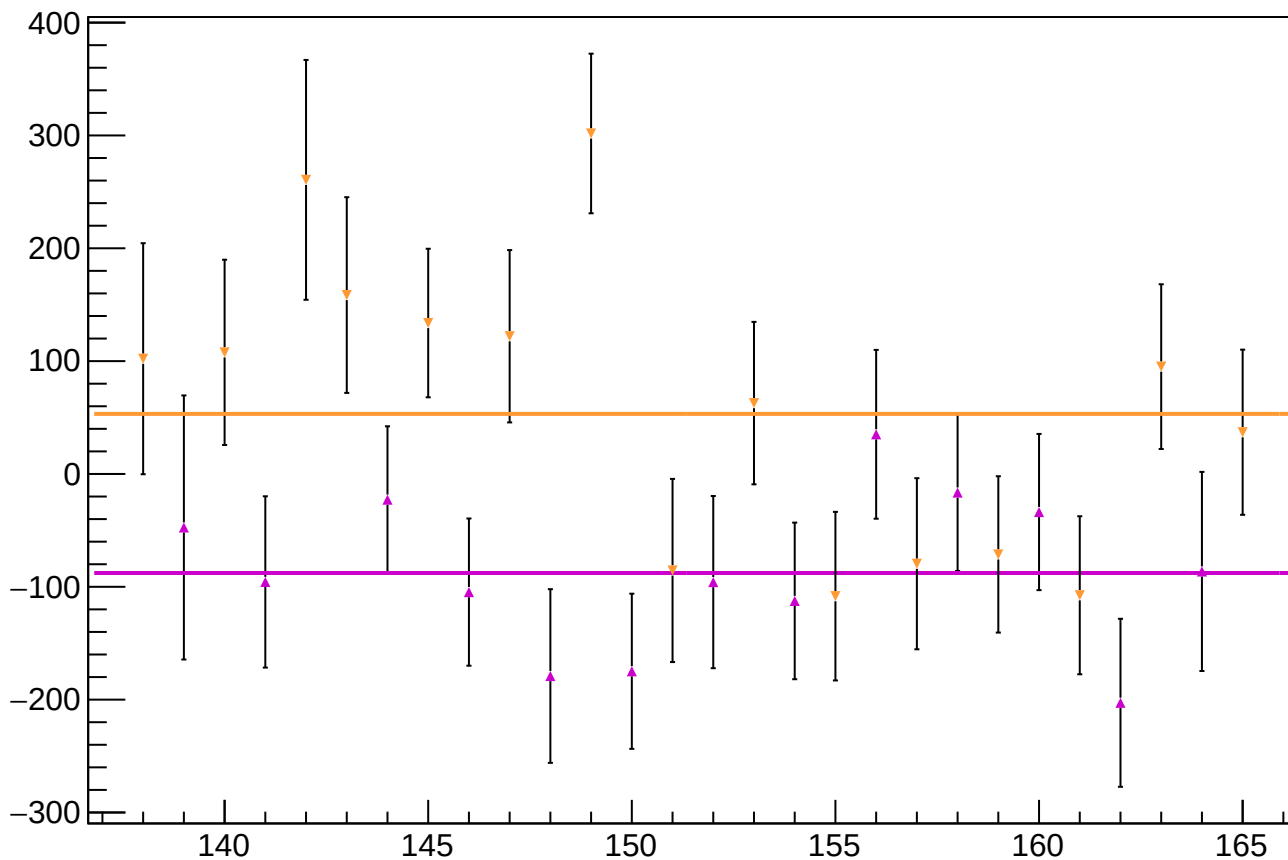
Left In: 288.072+/-0.065 χ^2/NDF : 669684.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 290.779+/-0.045 χ^2/NDF : 1399302.3/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 53.245+/-19.795 χ^2/NDF :40.2/14

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

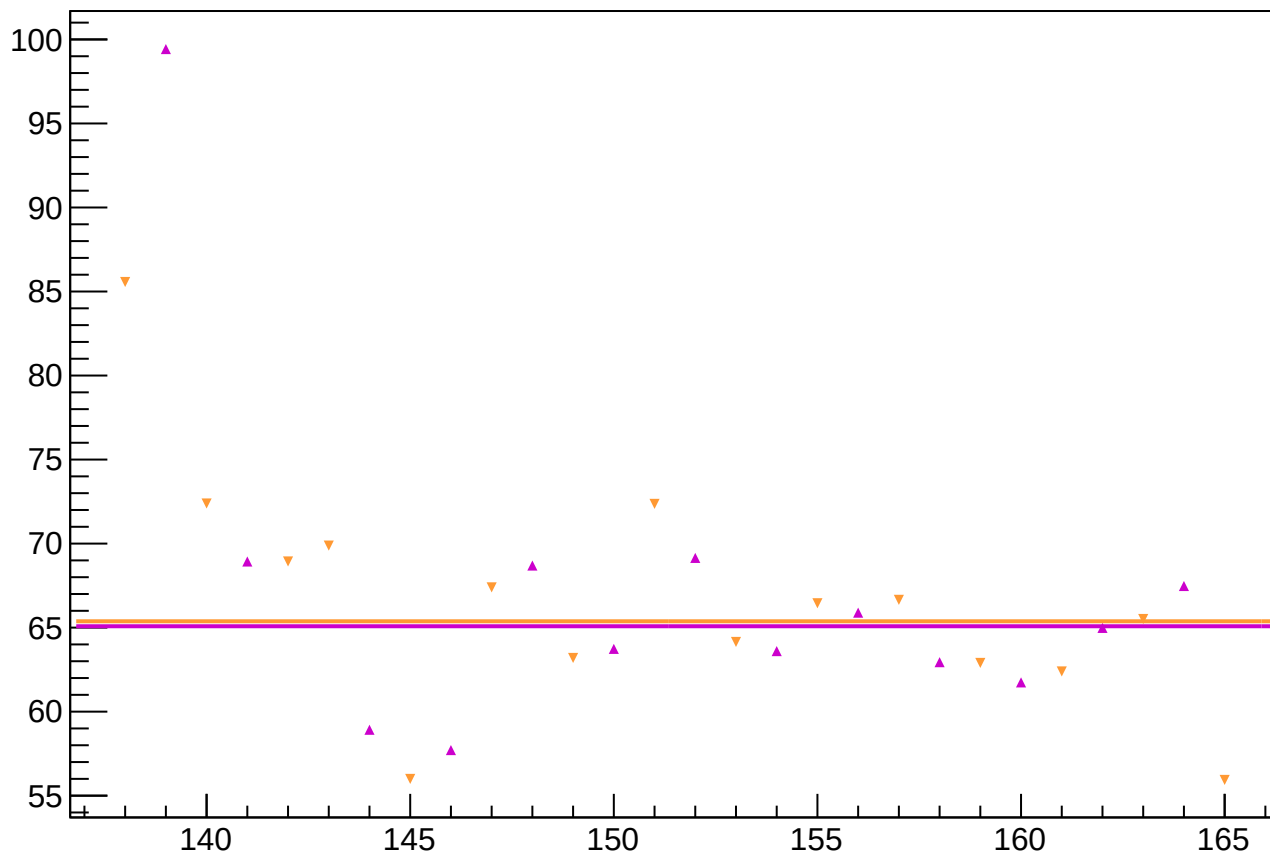
Left In: -87.752+/-20.492 χ^2/NDF :11.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -14.816+/-14.237 χ^2/NDF : 75.8/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 65.377+/-0.014 χ^2/NDF :199759.5/14

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

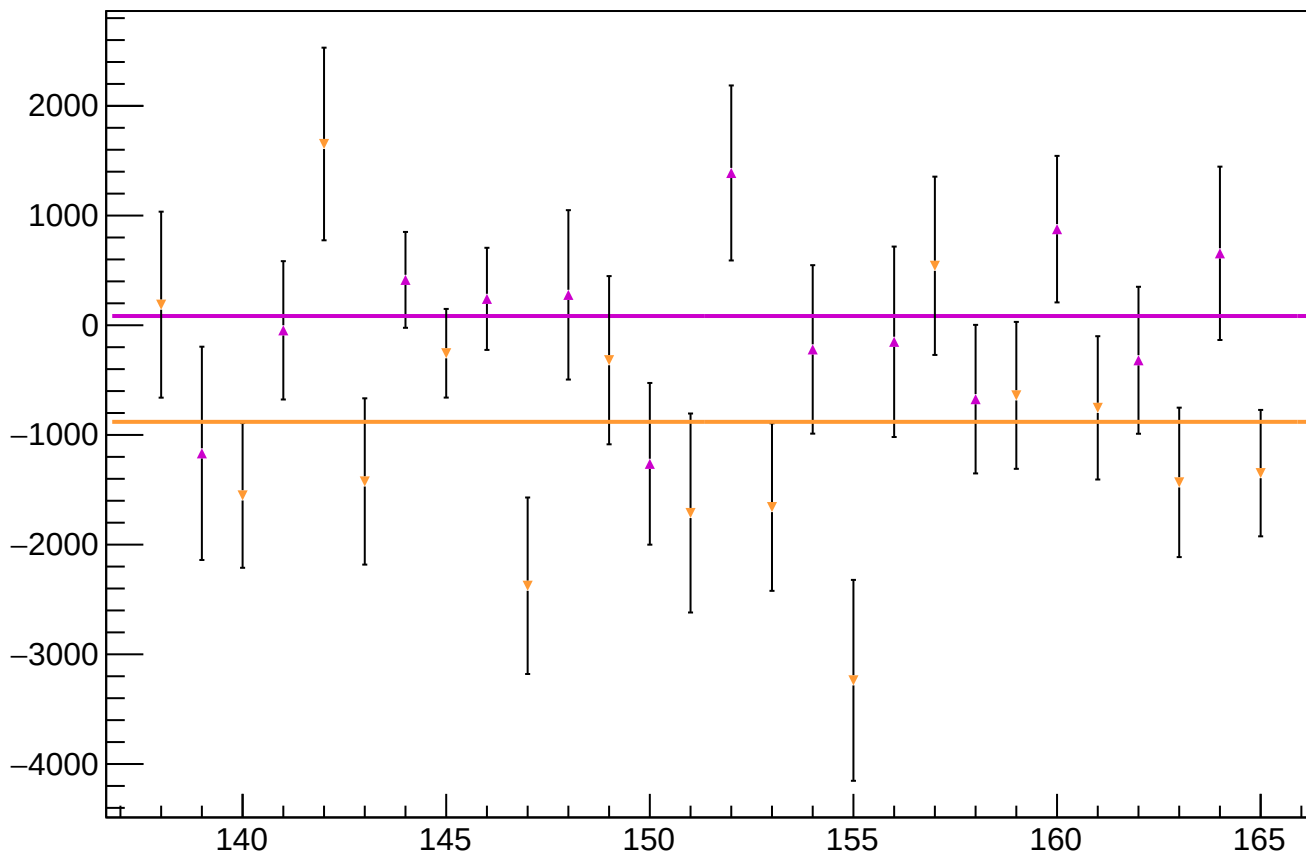
Left In: 65.081+/-0.014 χ^2/NDF :240939.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 65.234+/-0.010 χ^2/NDF : 440914.6/27

- 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: -880.572+/-178.265 χ^2/NDF :30.9/14

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

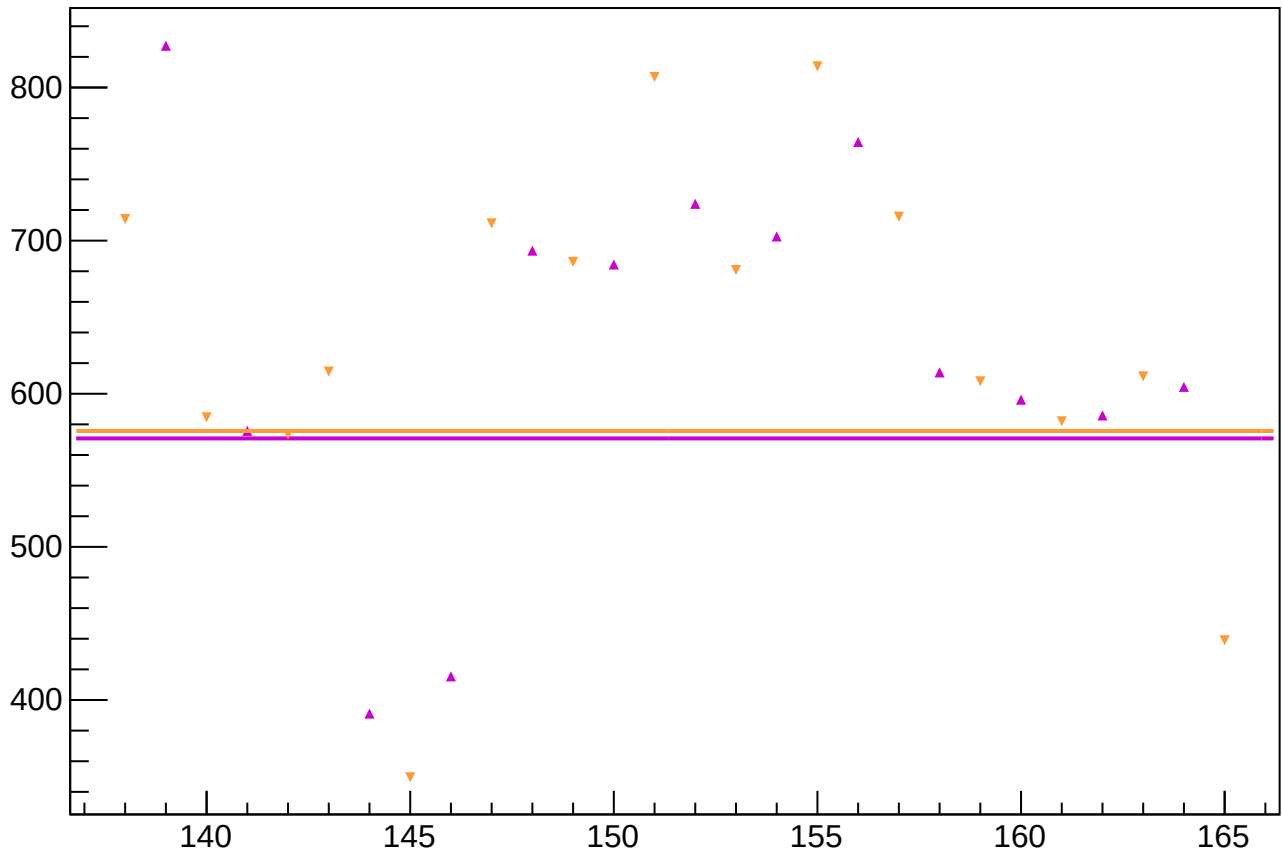
Left In: 84.164+/-183.228 χ^2/NDF :12.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -411.445+/-127.771 χ^2/NDF : 57.4/27

- 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: 575.664+/-0.126 χ^2/NDF :1268855.7/14

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

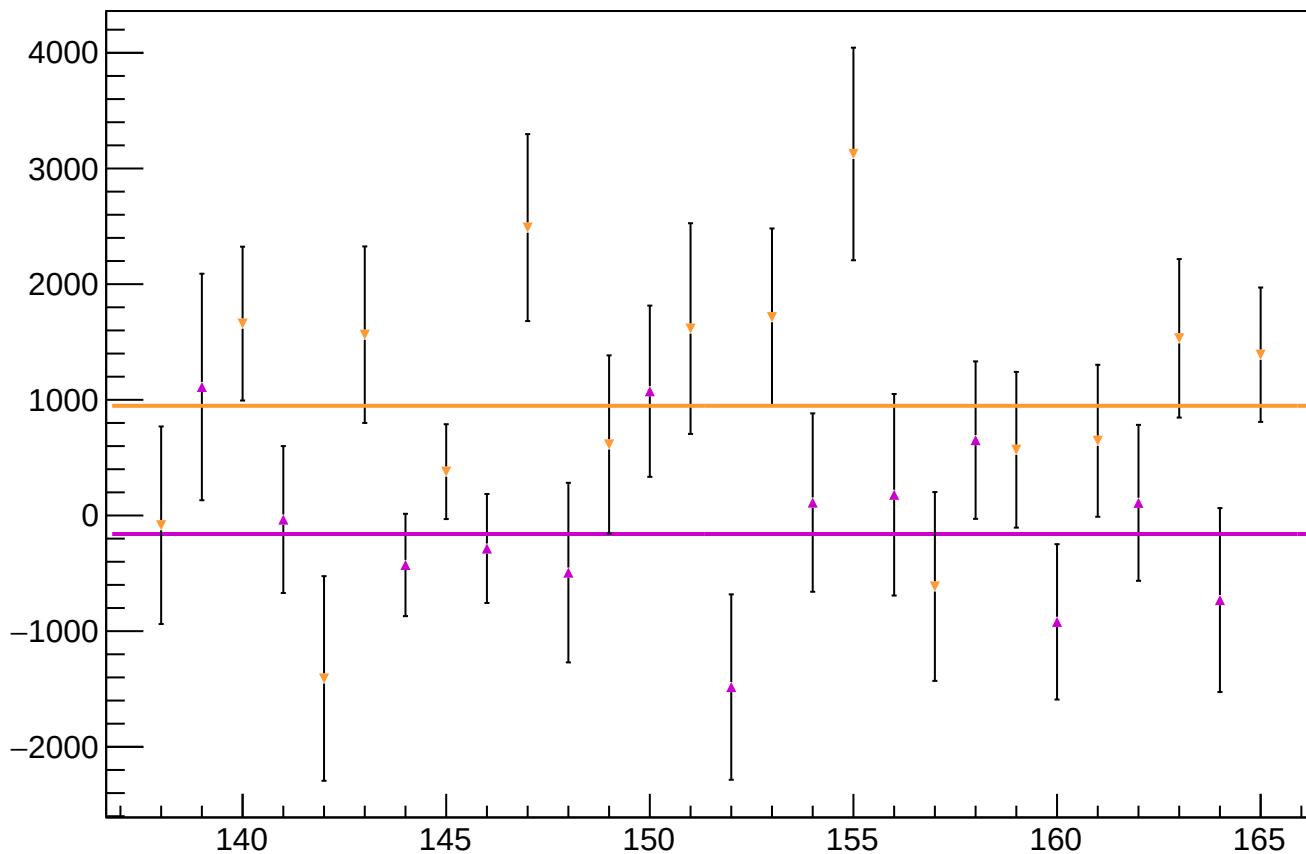
Left In: 570.839+/-0.130 χ^2/NDF :1046075.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 573.318+/-0.090 χ^2/NDF : 2315643.7/27

- 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: 948.276+/-179.611 χ^2/NDF : 28.7/14

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

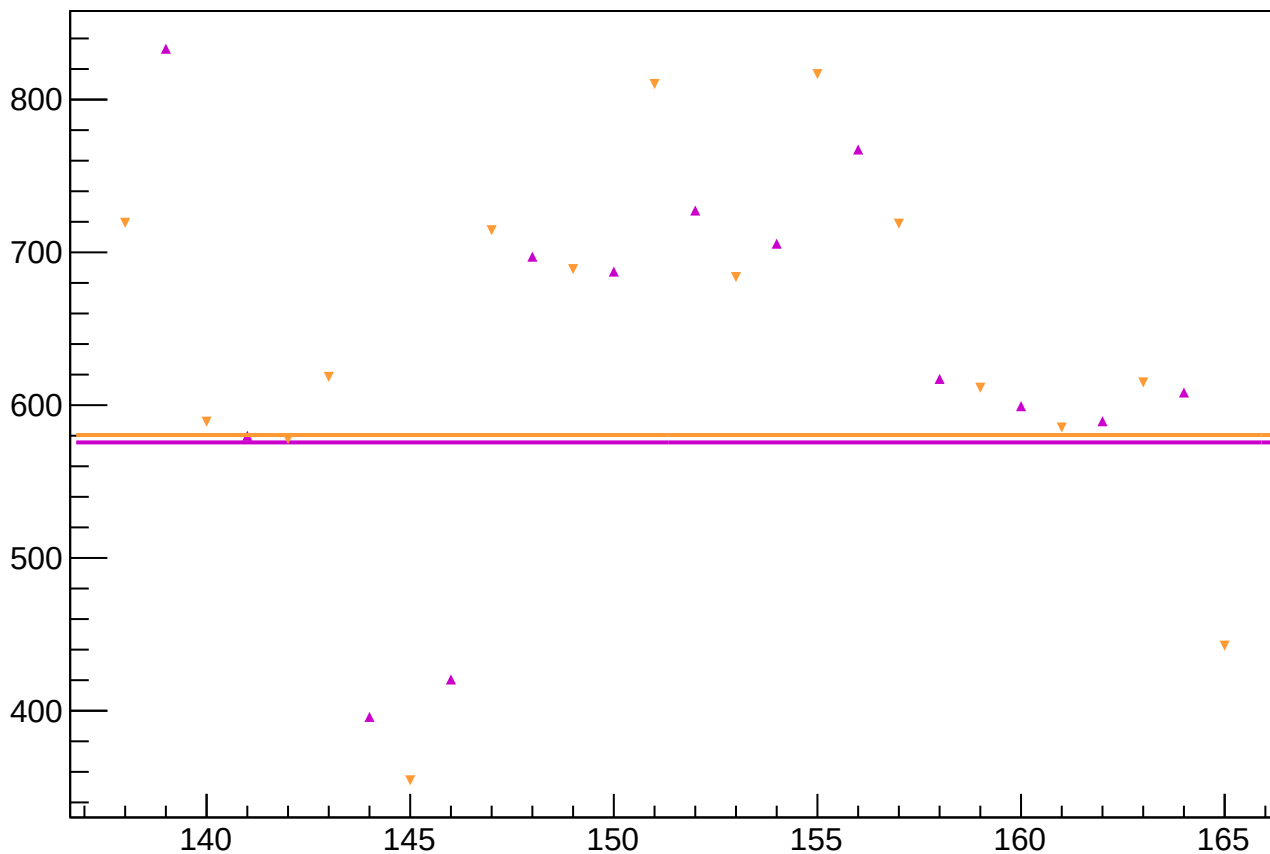
Left In: -160.041+/-184.631 χ^2/NDF : 11.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 409.388+/-128.742 χ^2/NDF : 58.8/27

- 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: 580.459+/-0.127 χ^2/NDF :1235787.2/14

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

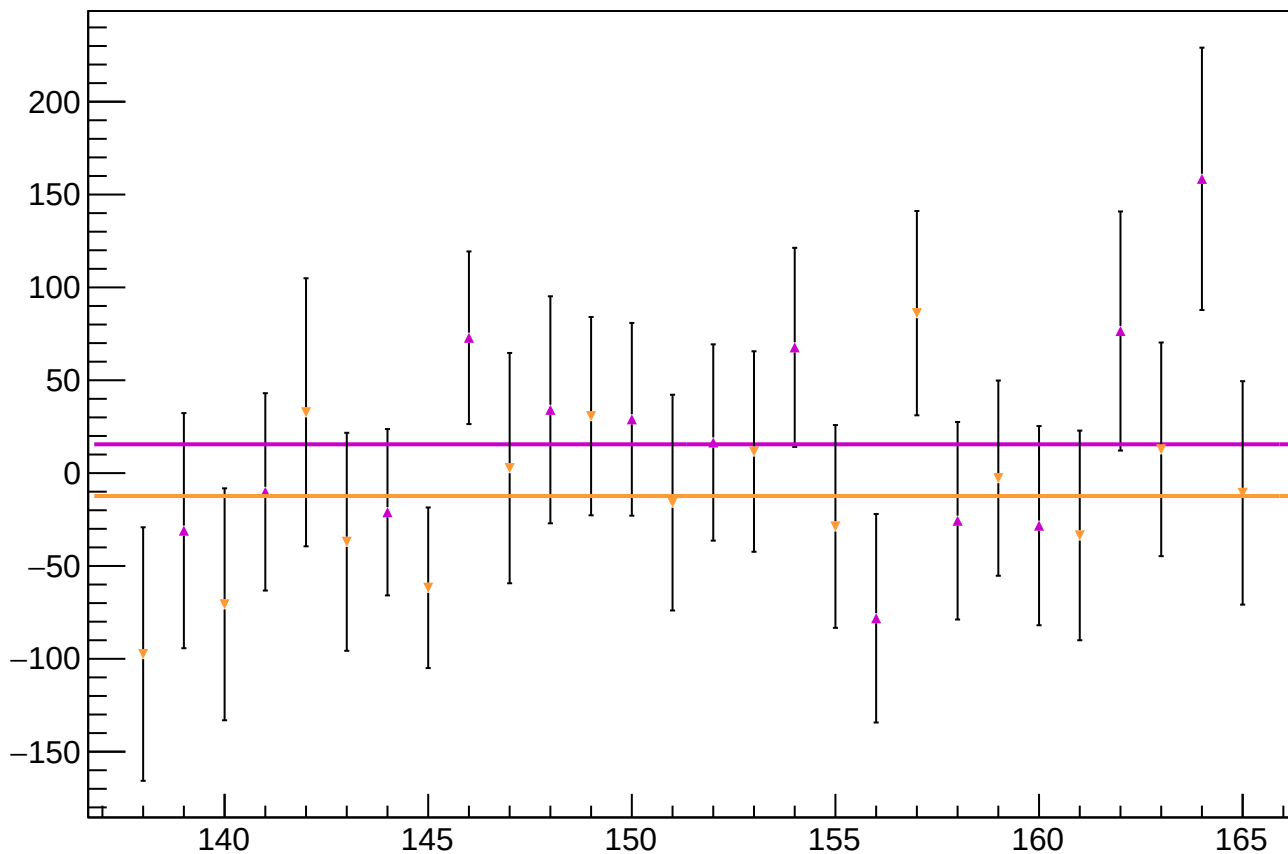
Left In: 575.620+/-0.131 χ^2/NDF :1019635.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 578.106+/-0.091 χ^2/NDF : 2256129.0/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -12.348+/-14.651 χ^2/NDF : 8.9/14

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

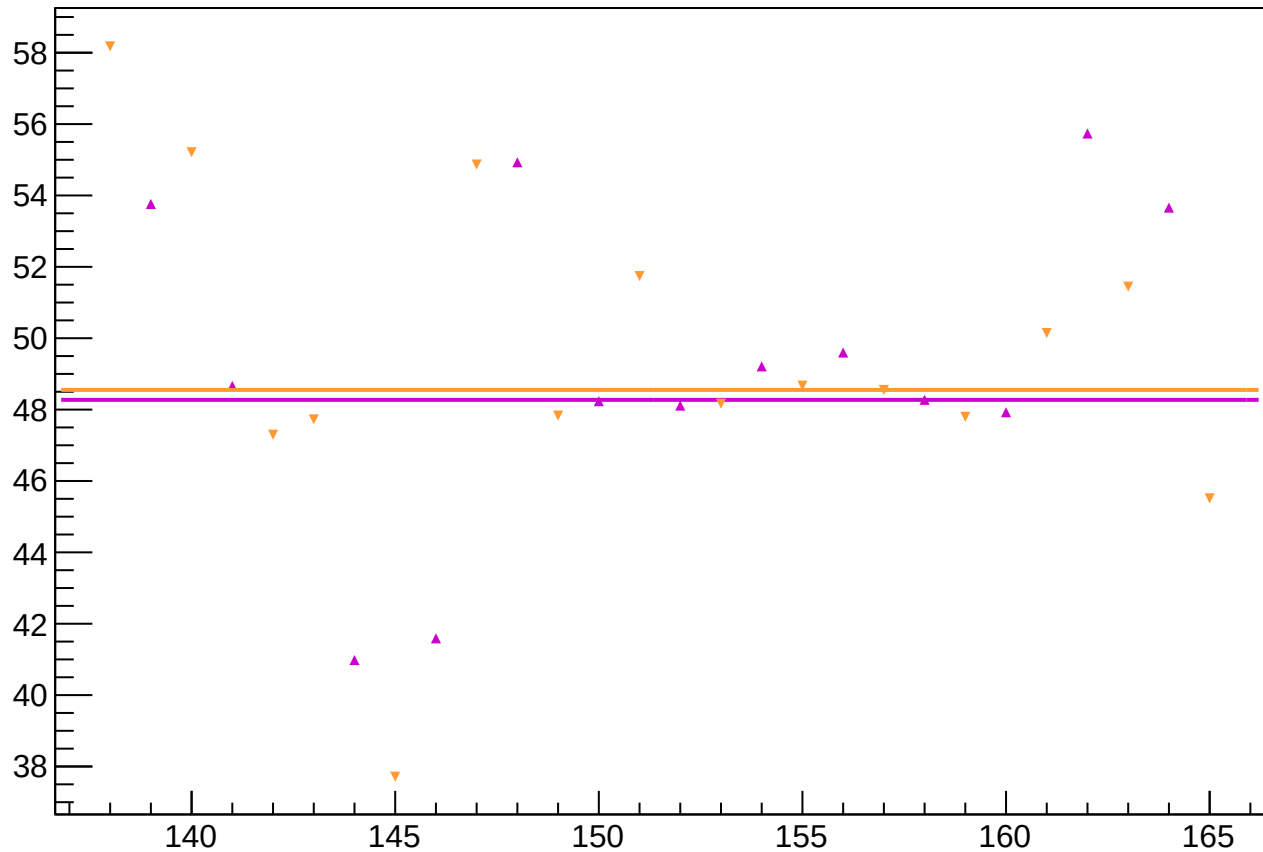
Left In: 15.511+/-15.126 χ^2/NDF : 13.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1.137+/-10.524 χ^2/NDF : 23.7/27

- sign 0.000+/-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: 48.552+/-0.010 χ^2/NDF : 228567.4/14

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

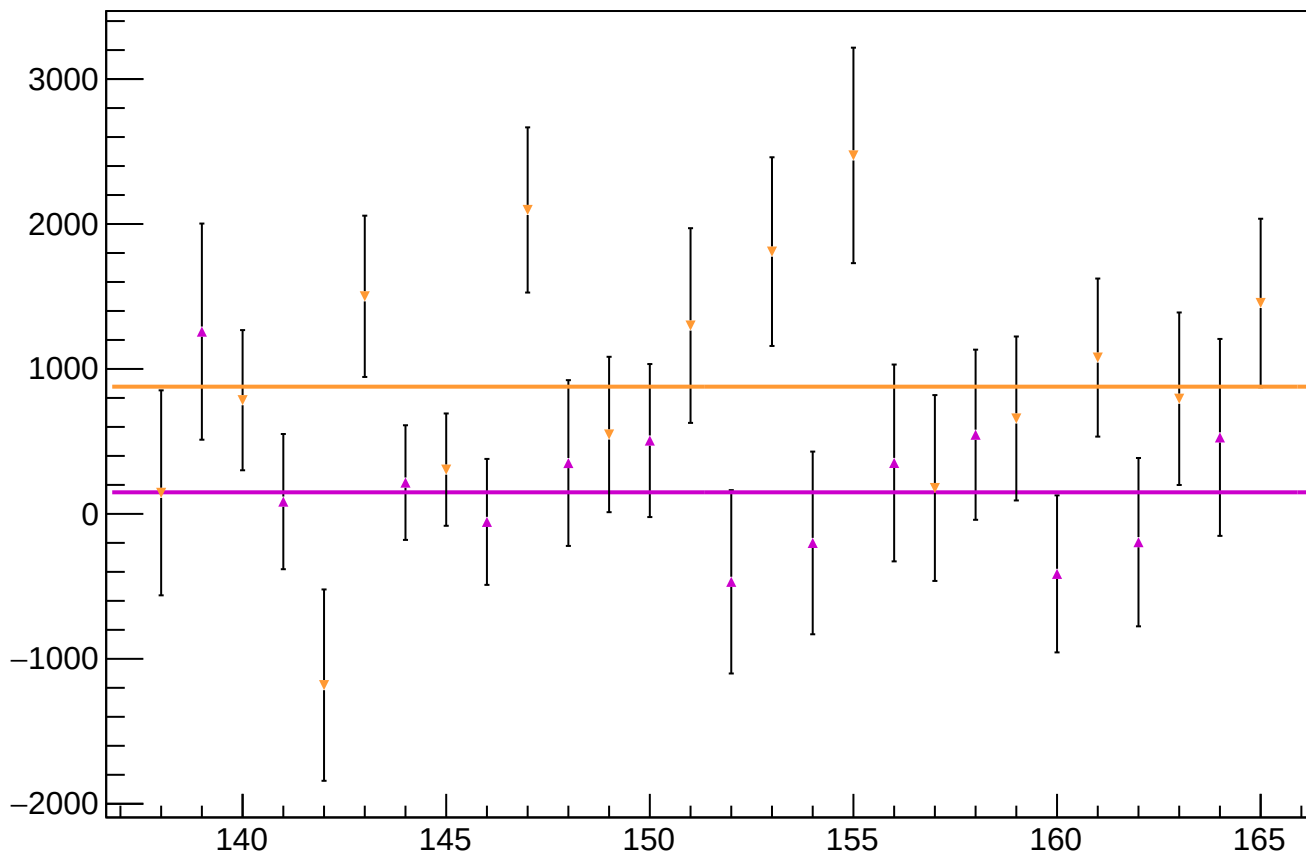
Left In: 48.273+/-0.011 χ^2/NDF : 173536.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 48.417+/-0.007 χ^2/NDF : 402453.7/27

- 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: 877.766+/-147.257 χ^2/NDF : 28.8/14

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

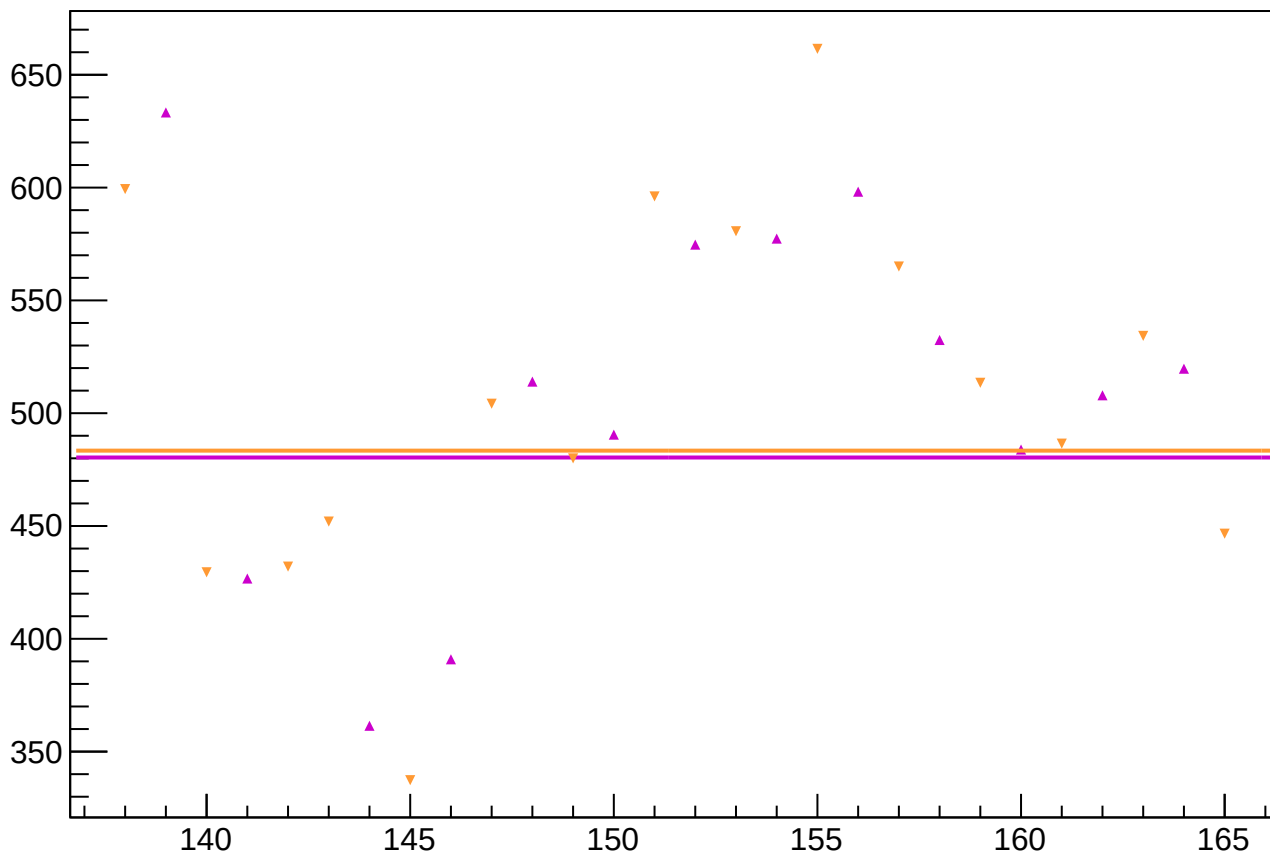
Left In: 148.889+/-151.866 χ^2/NDF : 6.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 524.555+/-105.718 χ^2/NDF : 47.2/27

- 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: 483.407+/-0.104 χ^2/NDF : 660642.0/14

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

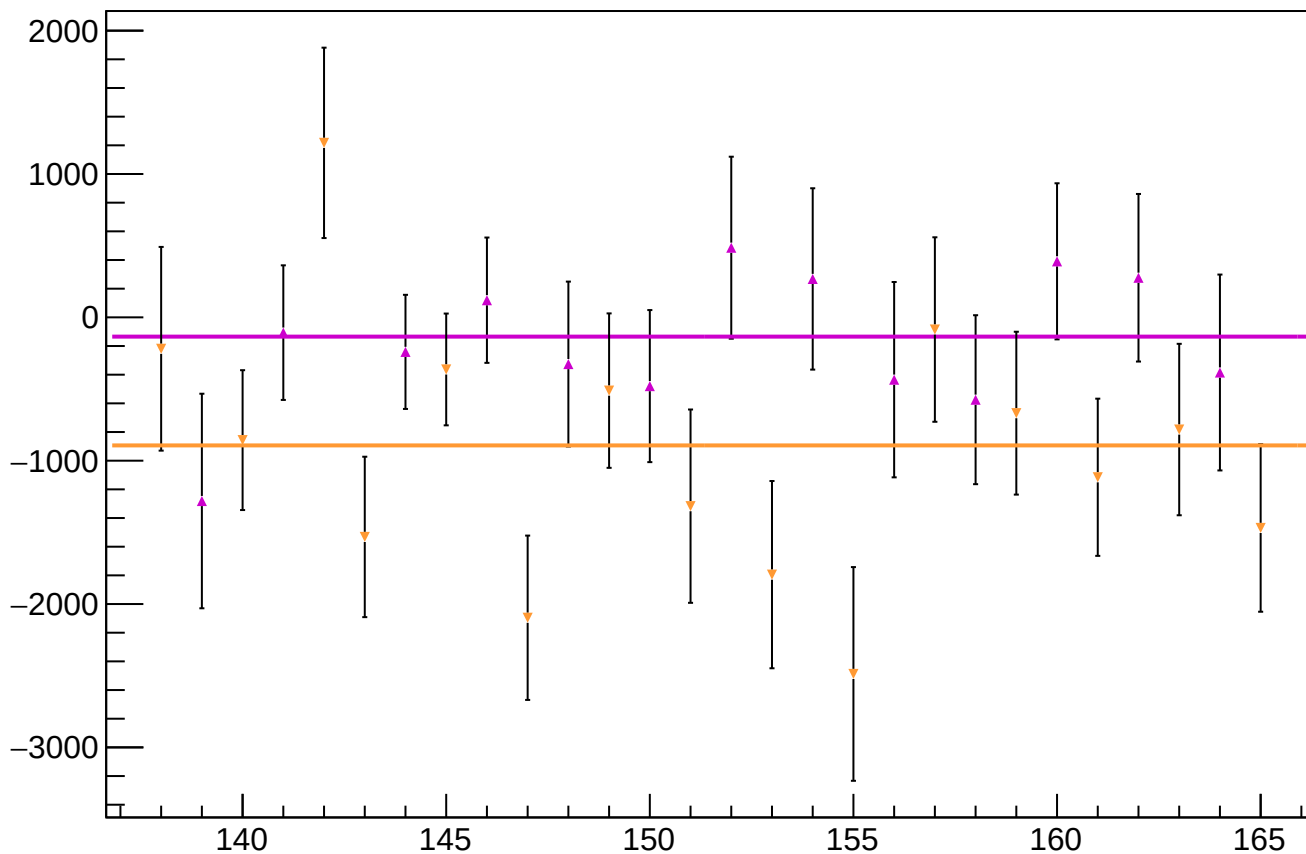
Left In: 480.361+/-0.107 χ^2/NDF : 563033.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 481.931+/-0.075 χ^2/NDF : 1224090.5/27

- 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: -893.396+/-148.059 χ^2/NDF : 28.8/14

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

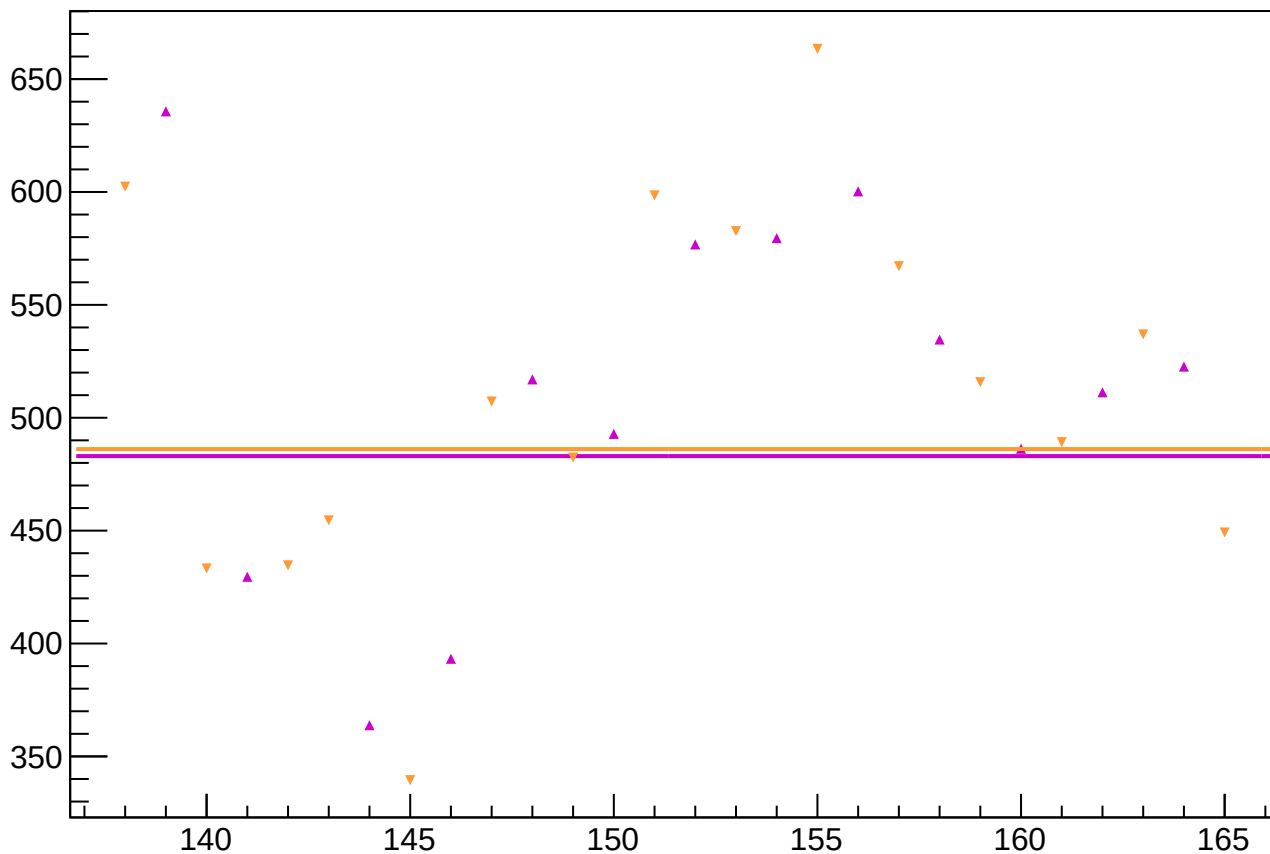
Left In: -134.460+/-152.679 χ^2/NDF : 7.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -525.585+/-106.289 χ^2/NDF : 48.5/27

- 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: 486.137+/-0.105 χ^2/NDF : 653057.8/14

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

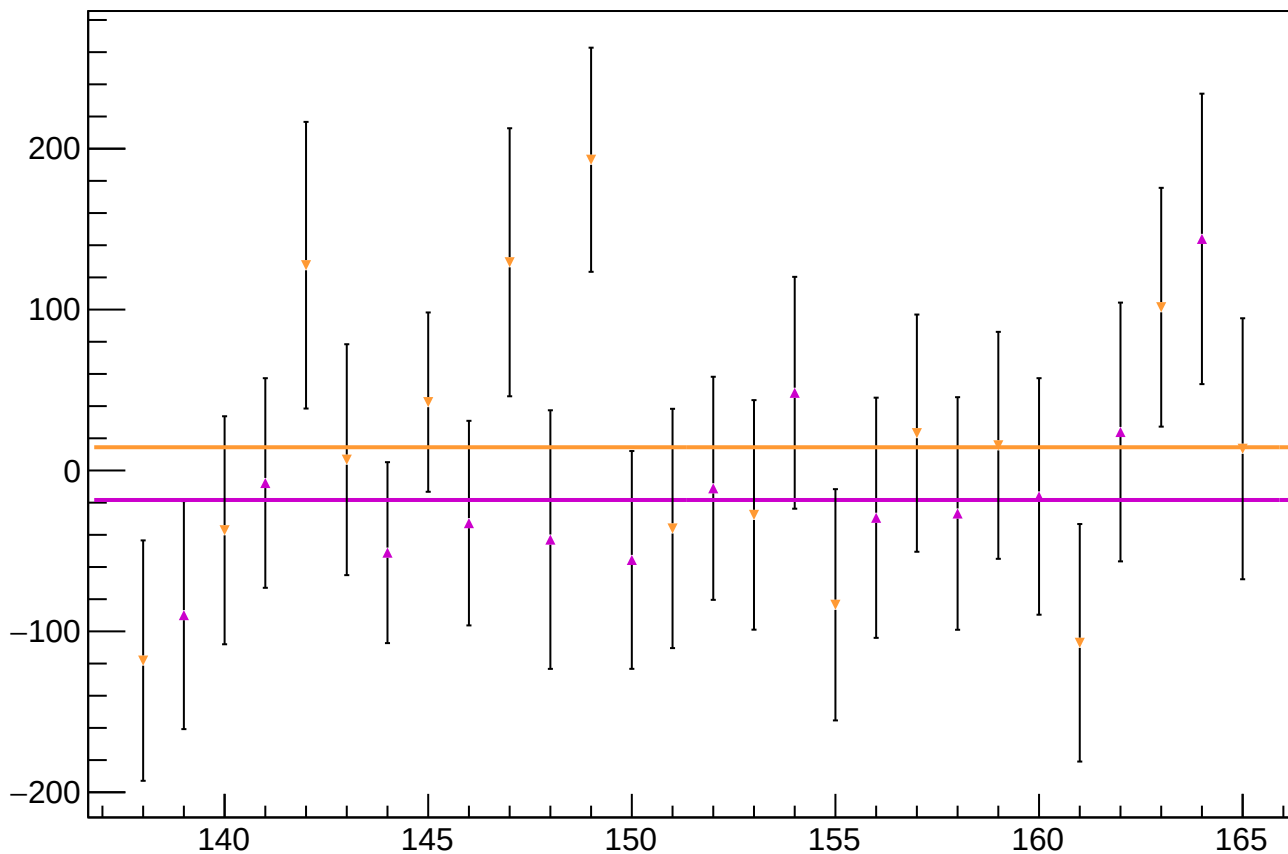
Left In: 483.018+/-0.108 χ^2/NDF : 556773.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 484.625+/-0.075 χ^2/NDF : 1210261.0/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 14.441+/-18.752 χ^2/NDF : 20.8/14

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

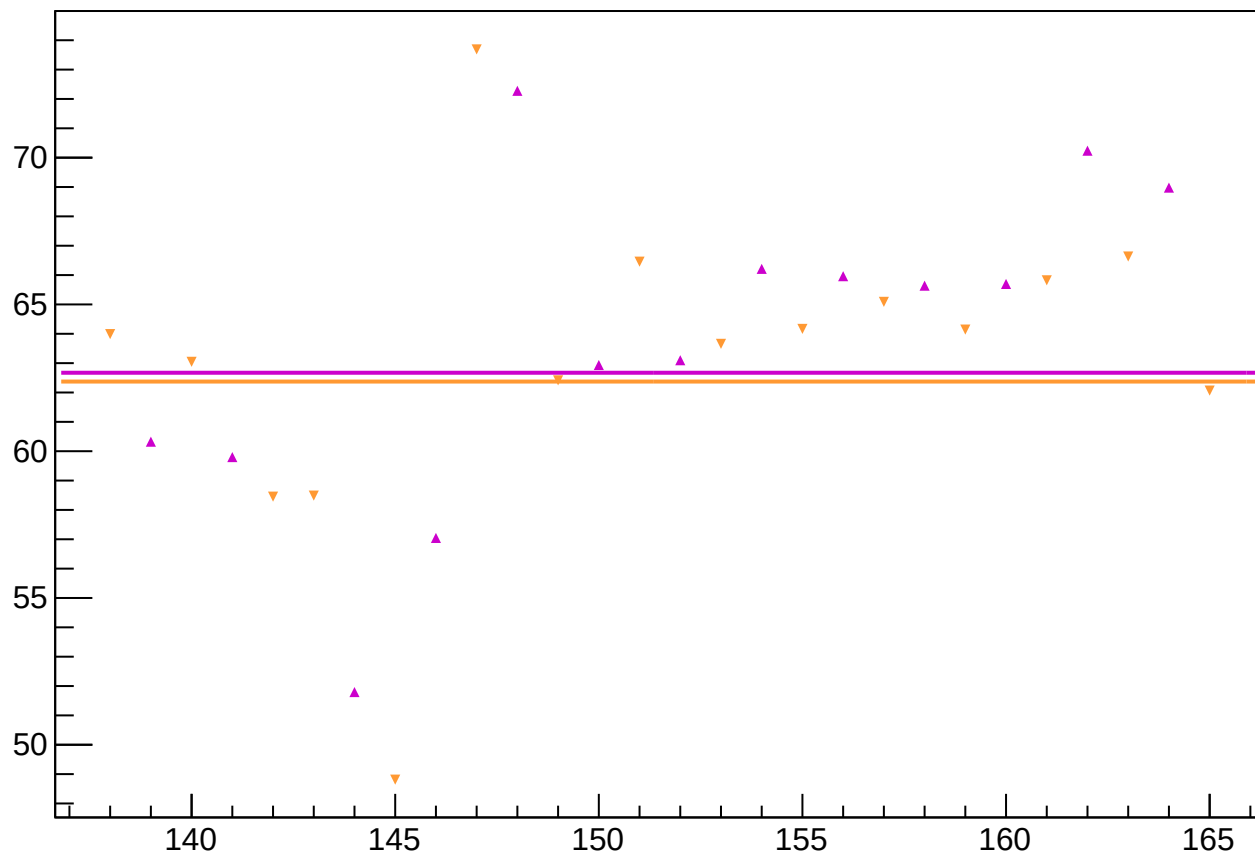
Left In: -18.339+/-19.591 χ^2/NDF : 6.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1.233+/-13.546 χ^2/NDF : 28.5/27

- sign 0.000+/-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: 62.373+/-0.013 χ^2/NDF :189090.4/14

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

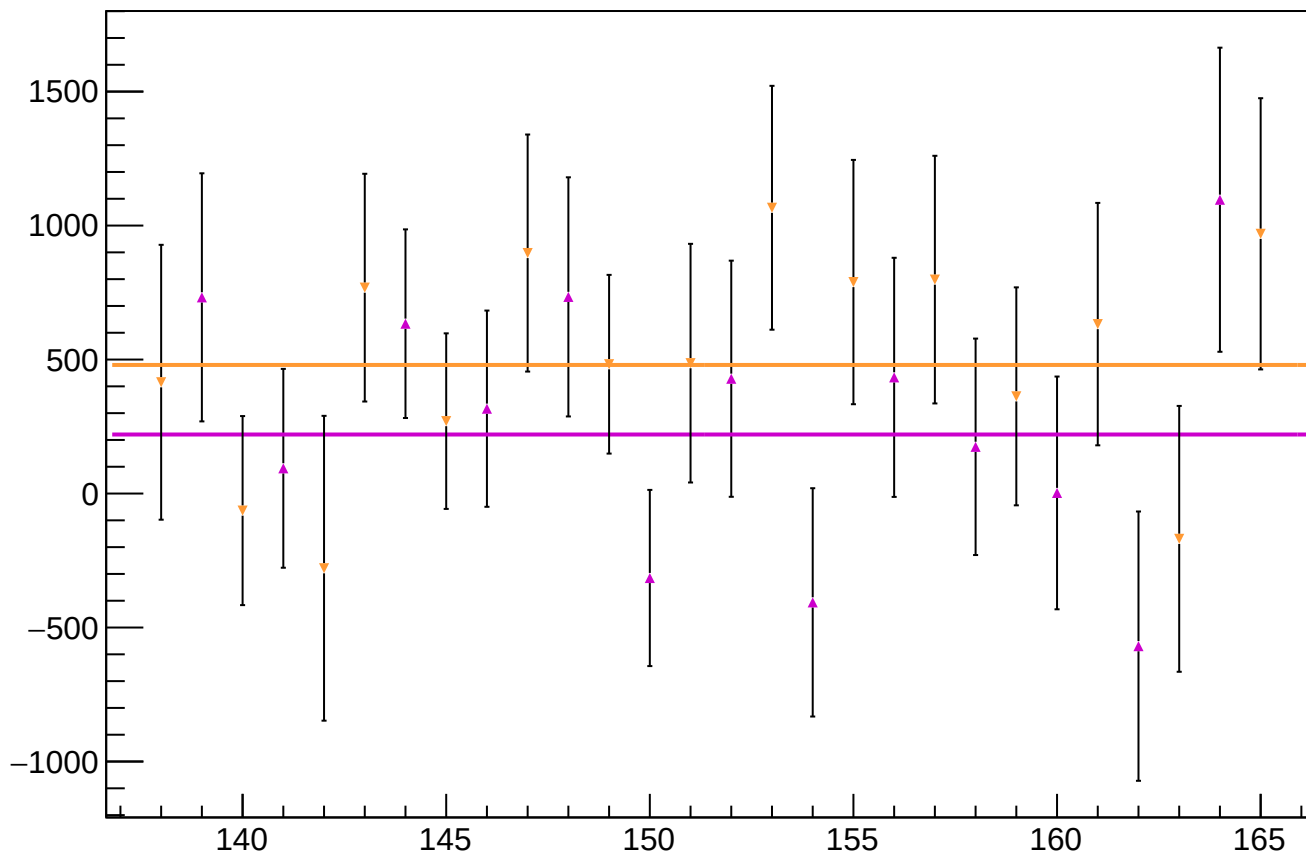
Left In: 62.673+/-0.014 χ^2/NDF :168199.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.516+/-0.010 χ^2/NDF : 357534.4/27

- 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: 479.869+/-110.321 χ^2/NDF : 11.4/14

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

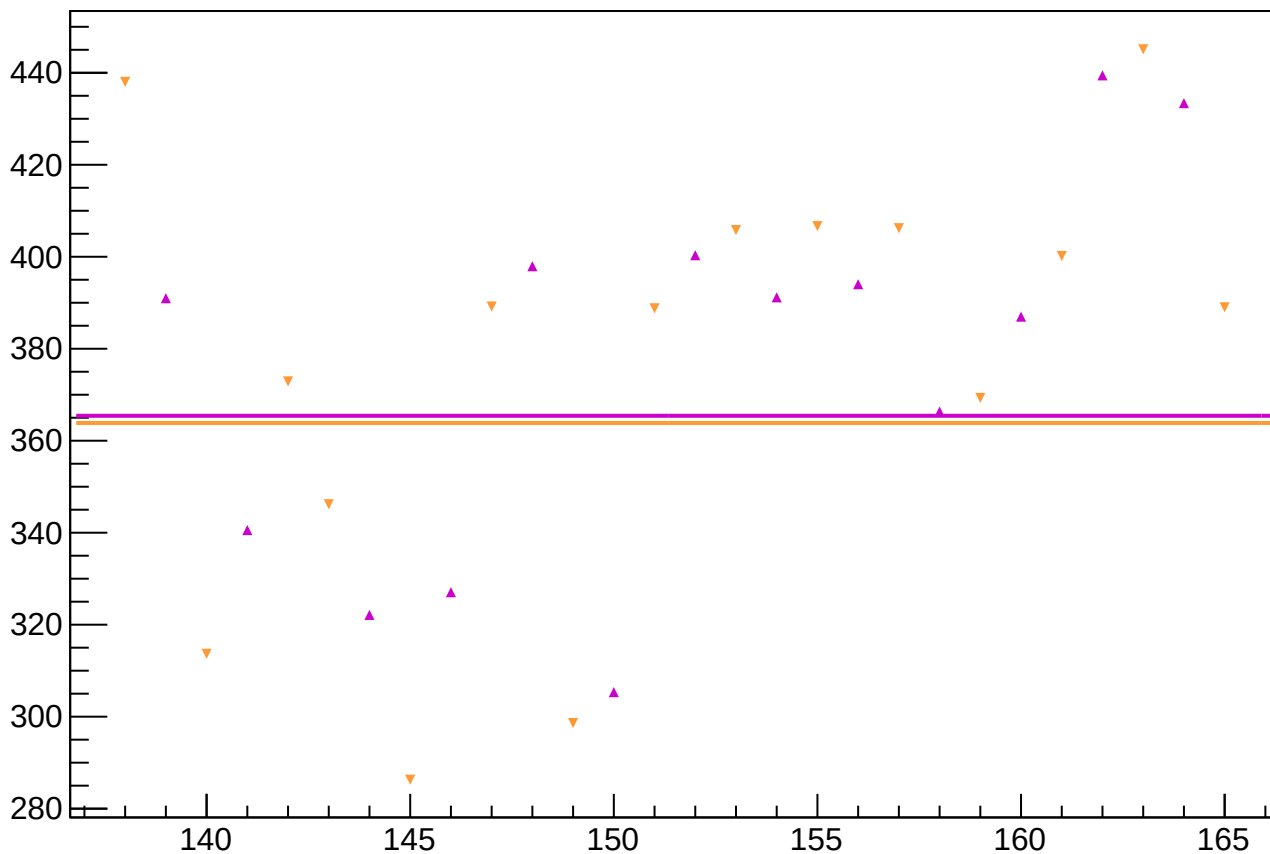
Left In: 220.310+/-114.765 χ^2/NDF : 14.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 355.212+/-79.533 χ^2/NDF : 28.5/27

- 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: 363.861+/-0.078 χ^2/NDF : 411060.0/14

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

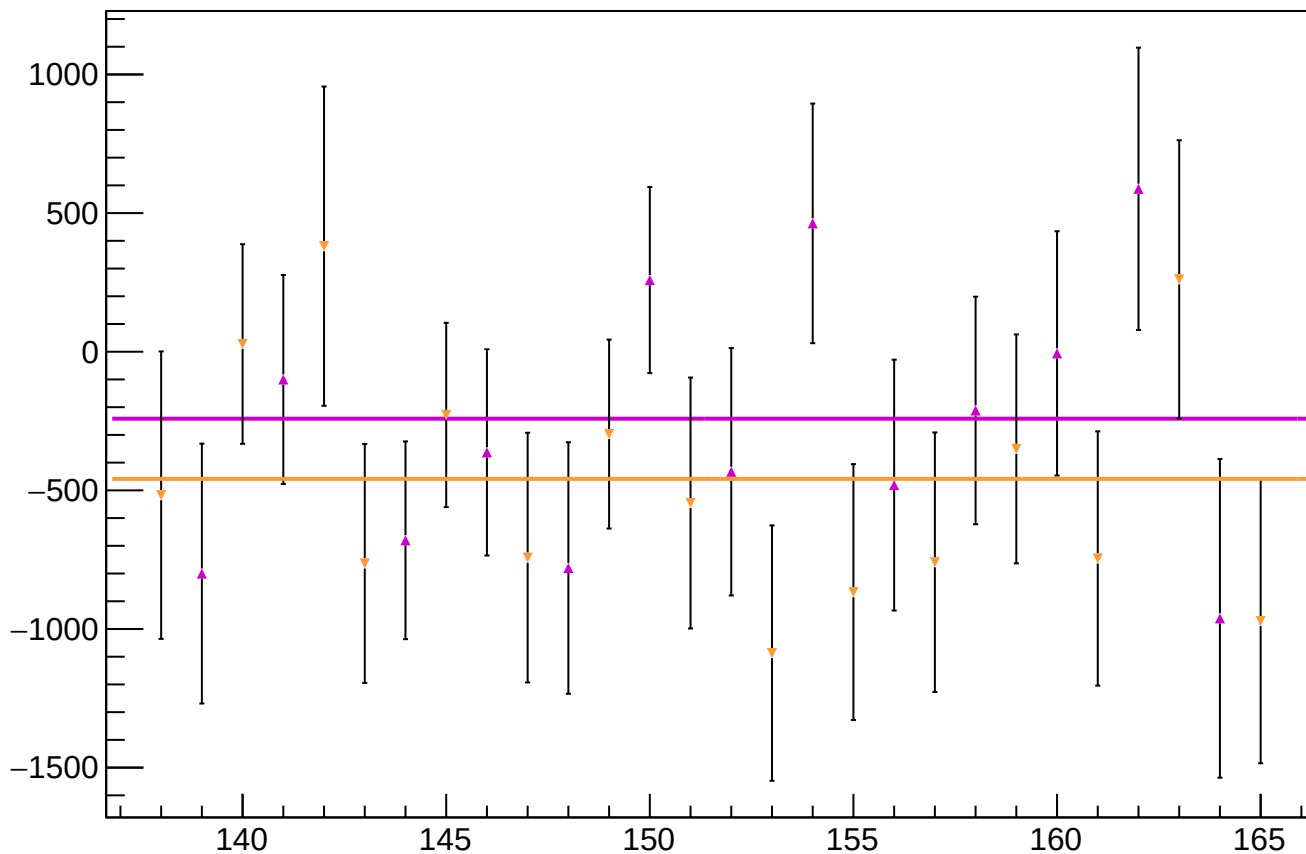
Left In: 365.427+/-0.081 χ^2/NDF : 249871.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 364.613+/-0.056 χ^2/NDF : 661125.3/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -458.536+/-112.020 χ^2/NDF : 12.2/14

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

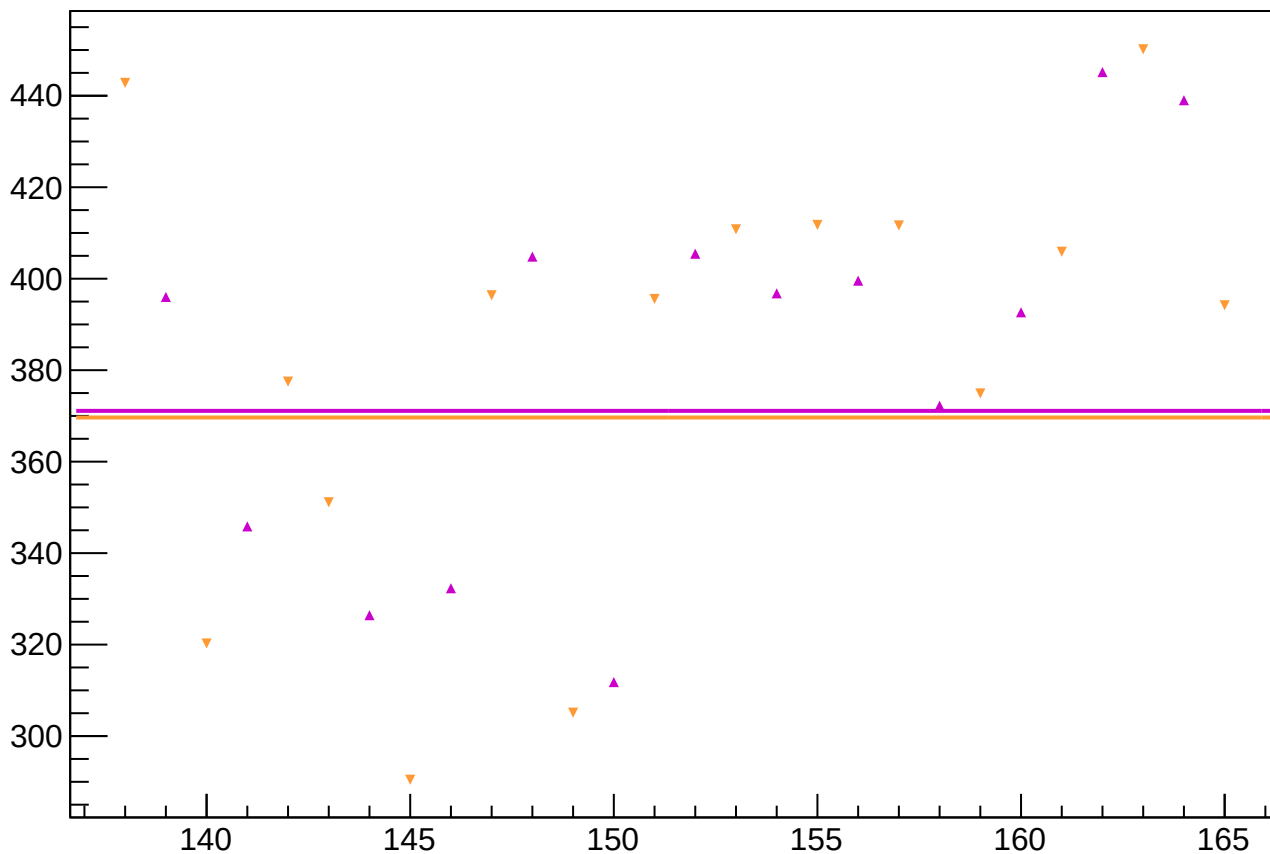
Left In: -241.530+/-116.510 χ^2/NDF : 14.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -354.295+/-80.751 χ^2/NDF : 28.4/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 369.652+/-0.079 χ^2/NDF : 398120.0/14

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

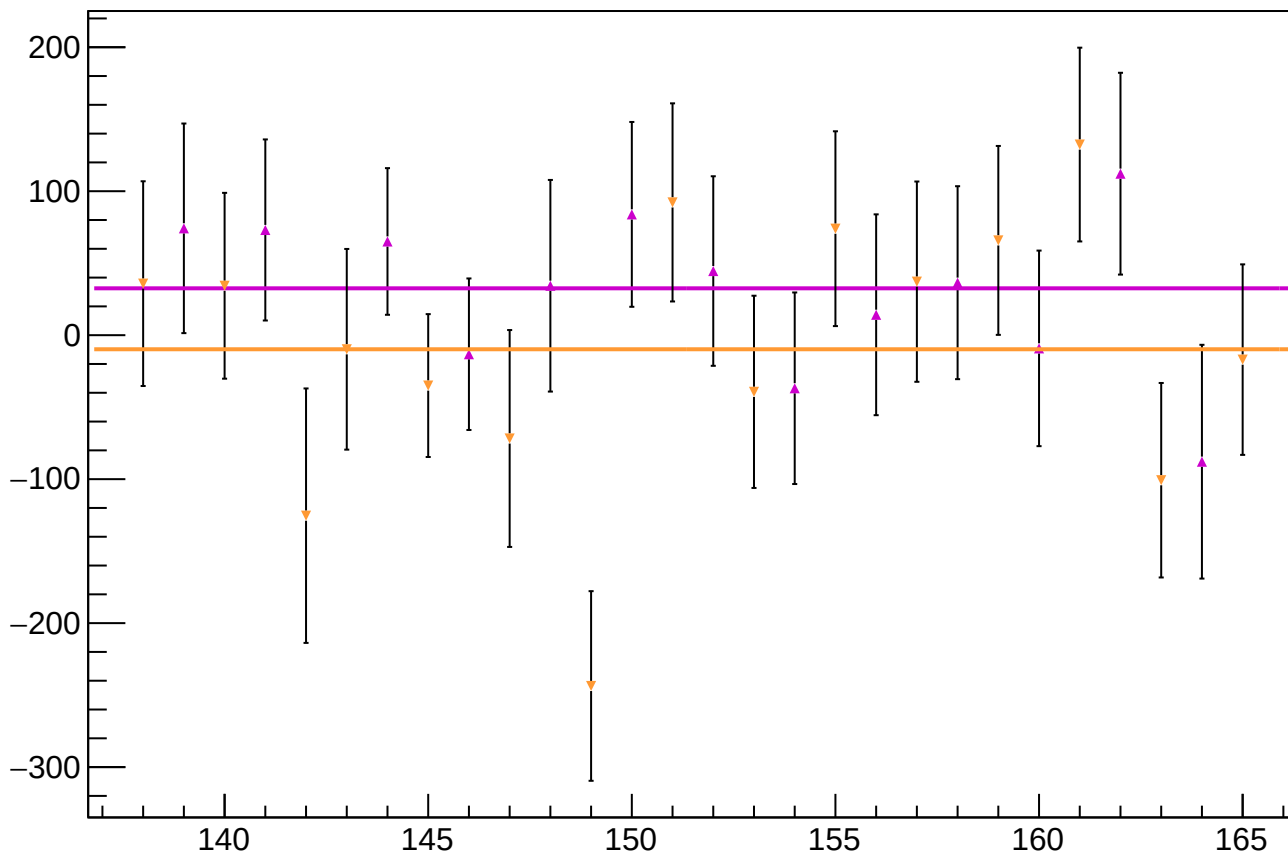
Left In: 371.104+/-0.082 χ^2/NDF : 243177.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 370.349+/-0.057 χ^2/NDF : 641458.3/27

- 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: -9.777+/-17.287 χ^2/NDF : 28.1/14

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

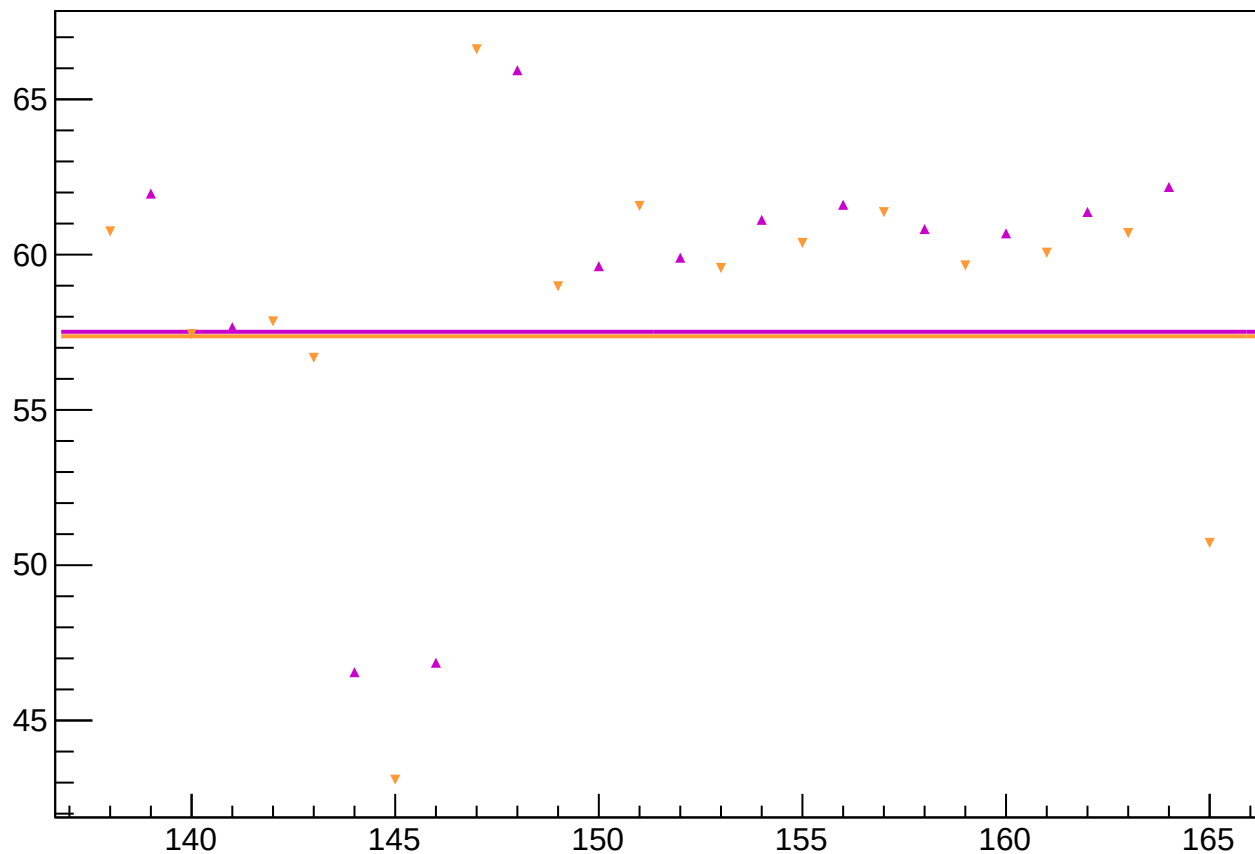
Left In: 32.549+/-18.039 χ^2/NDF : 7.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 10.486+/-12.481 χ^2/NDF : 38.6/27

- 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: 57.370+/-0.012 χ^2/NDF :252474.5/14

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

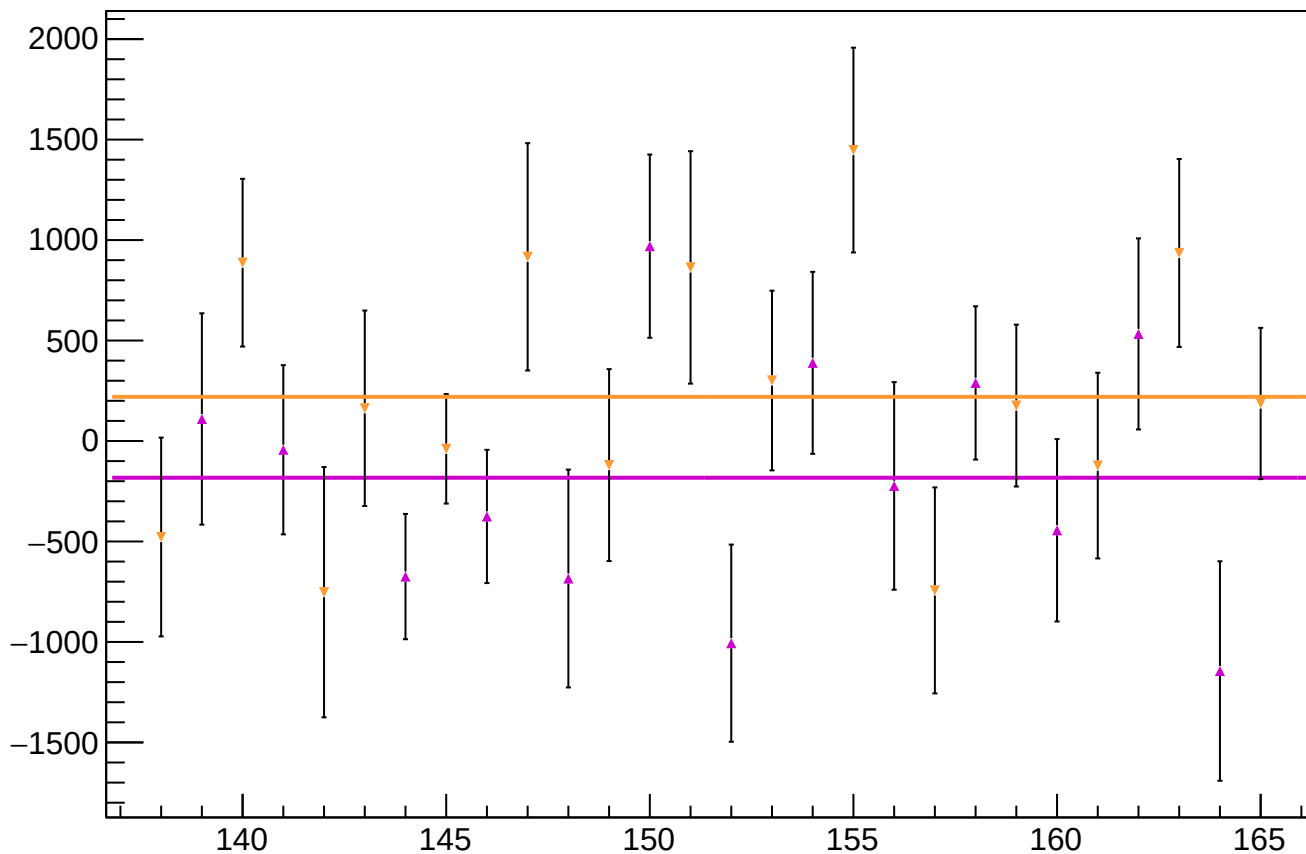
Left In: 57.516+/-0.013 χ^2/NDF :247828.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 57.440+/-0.009 χ^2/NDF : 500370.5/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 219.882+/-114.913 χ^2/NDF : 23.4/14

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

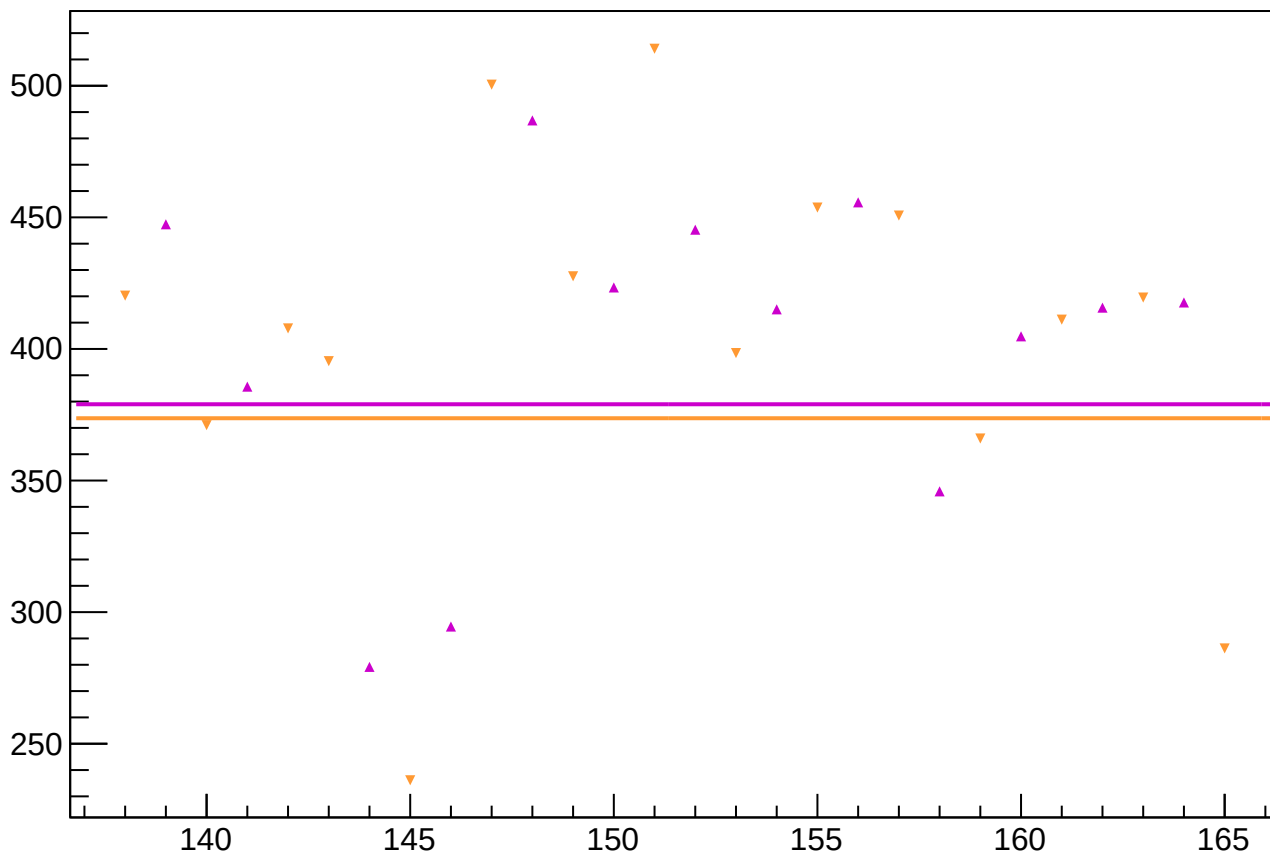
Left In: -182.786+/-120.268 χ^2/NDF : 22.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 27.712+/-83.084 χ^2/NDF : 51.4/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 373.674+/-0.081 χ^2/NDF :1022921.5/14

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

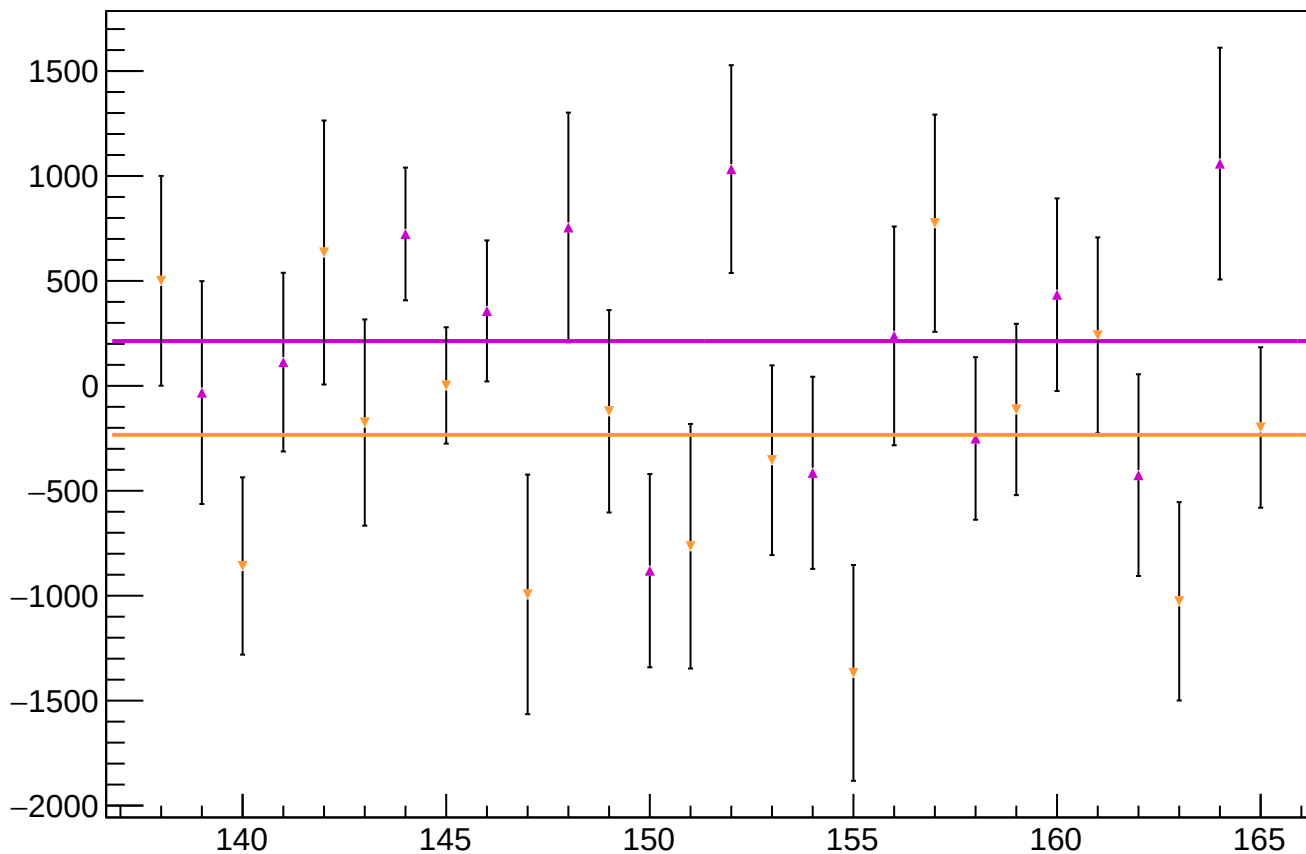
Left In: 378.985+/-0.085 χ^2/NDF :603900.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 376.208+/-0.059 χ^2/NDF : 1628860.7/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -233.573+/-116.303 χ^2/NDF : 22.3/14

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

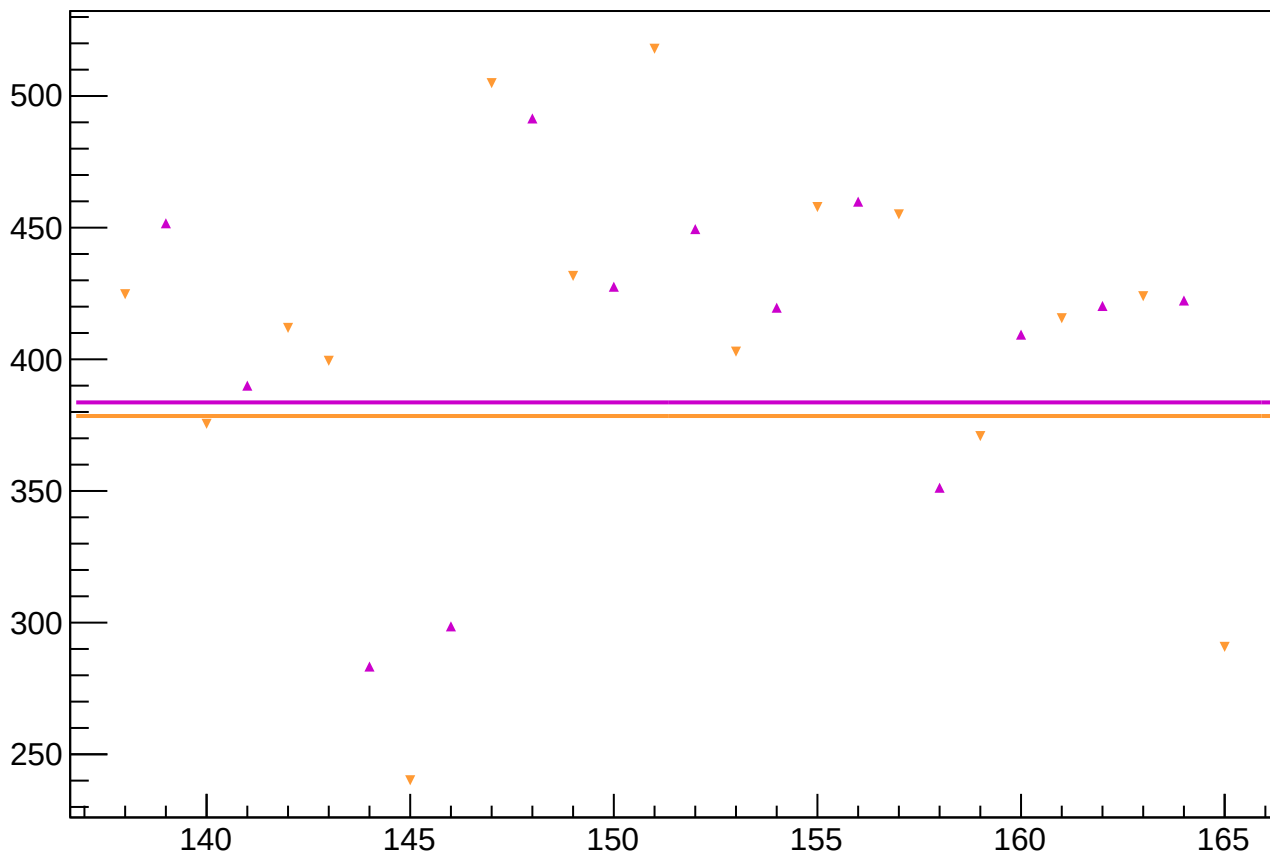
Left In: 213.391+/-121.690 χ^2/NDF : 20.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.203+/-84.079 χ^2/NDF : 49.5/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 378.469+/-0.082 χ^2/NDF : 996358.2/14

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

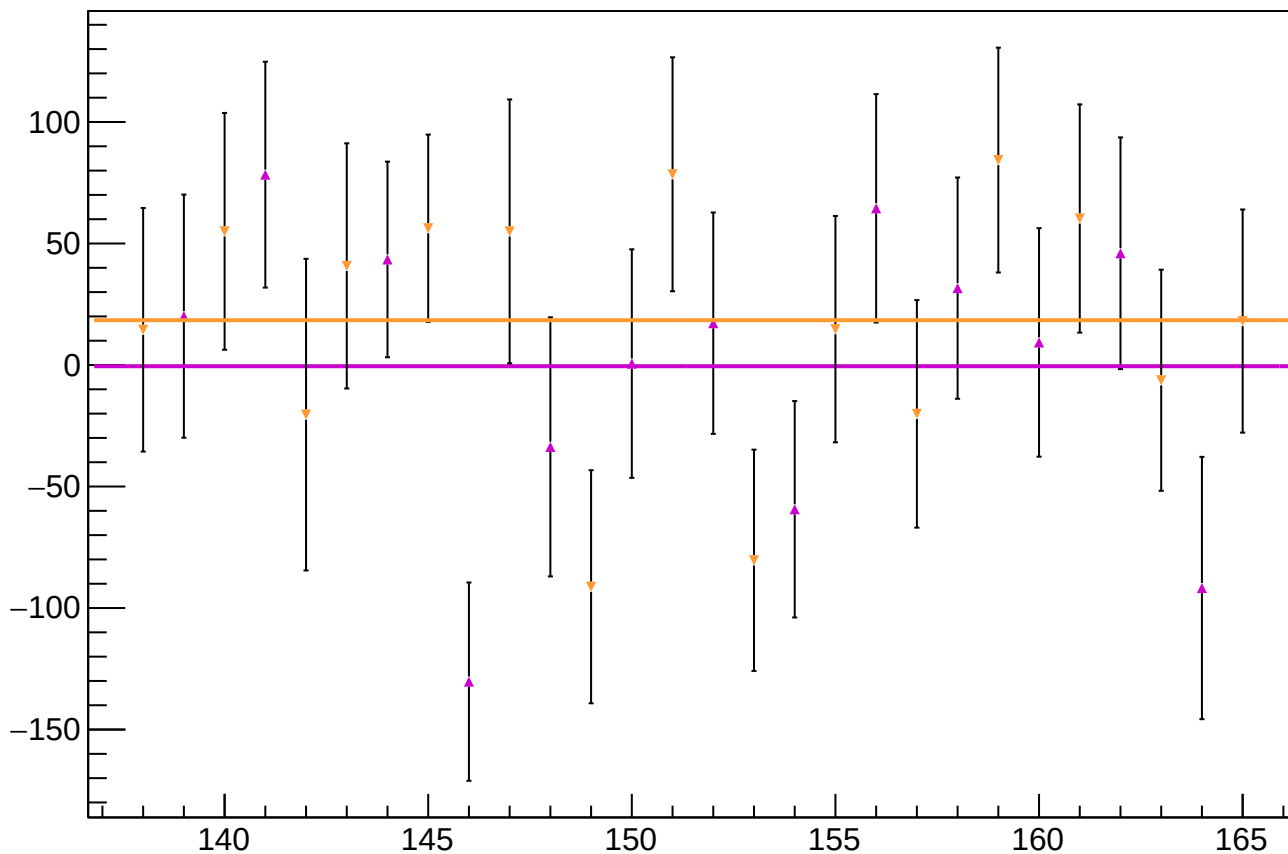
Left In: 383.637+/-0.086 χ^2/NDF : 590735.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 380.936+/-0.059 χ^2/NDF : 1588978.5/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 18.436+/-12.297 χ^2/NDF : 17.8/14

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

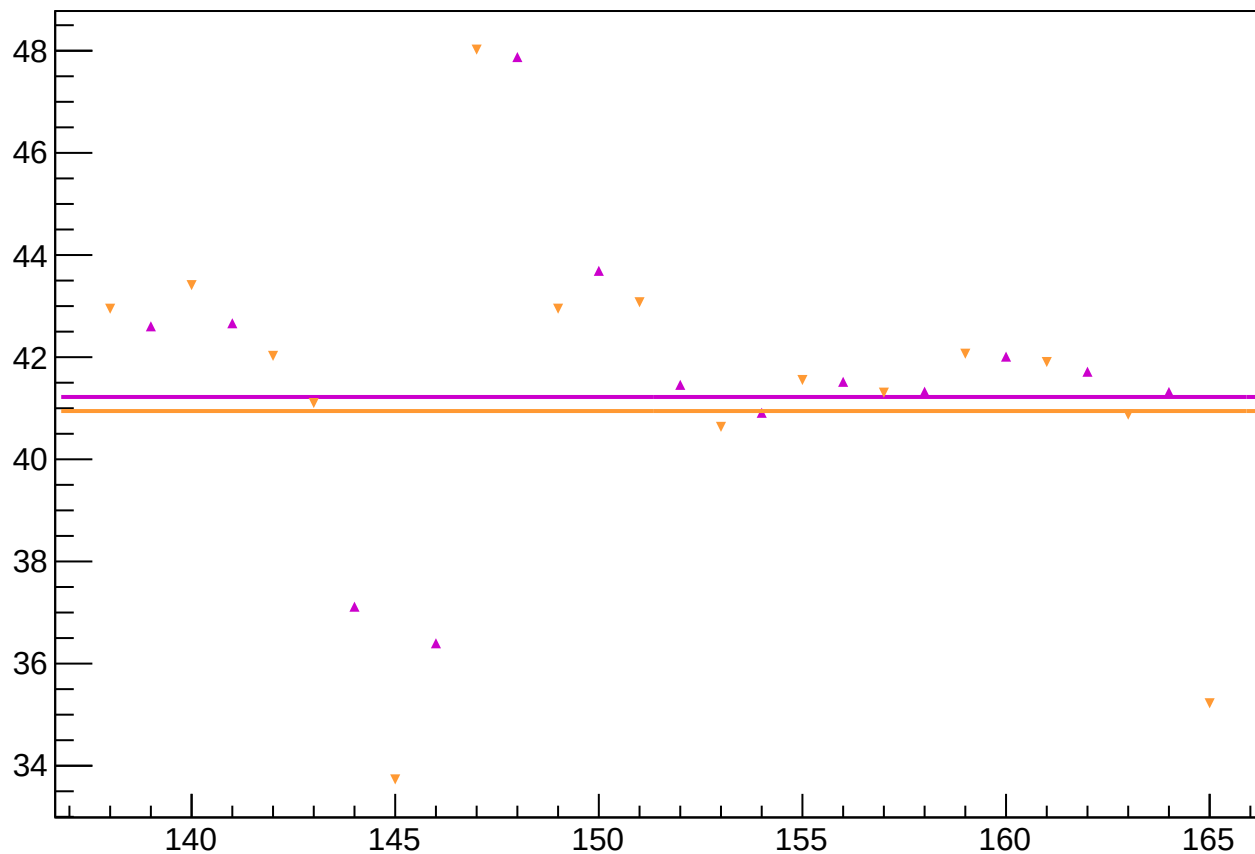
Left In: -0.492+/-12.865 χ^2/NDF : 22.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 9.399+/-8.889 χ^2/NDF : 41.9/27

- sign 0.000+/-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: 40.945+/-0.009 χ^2/NDF :153981.0/14

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

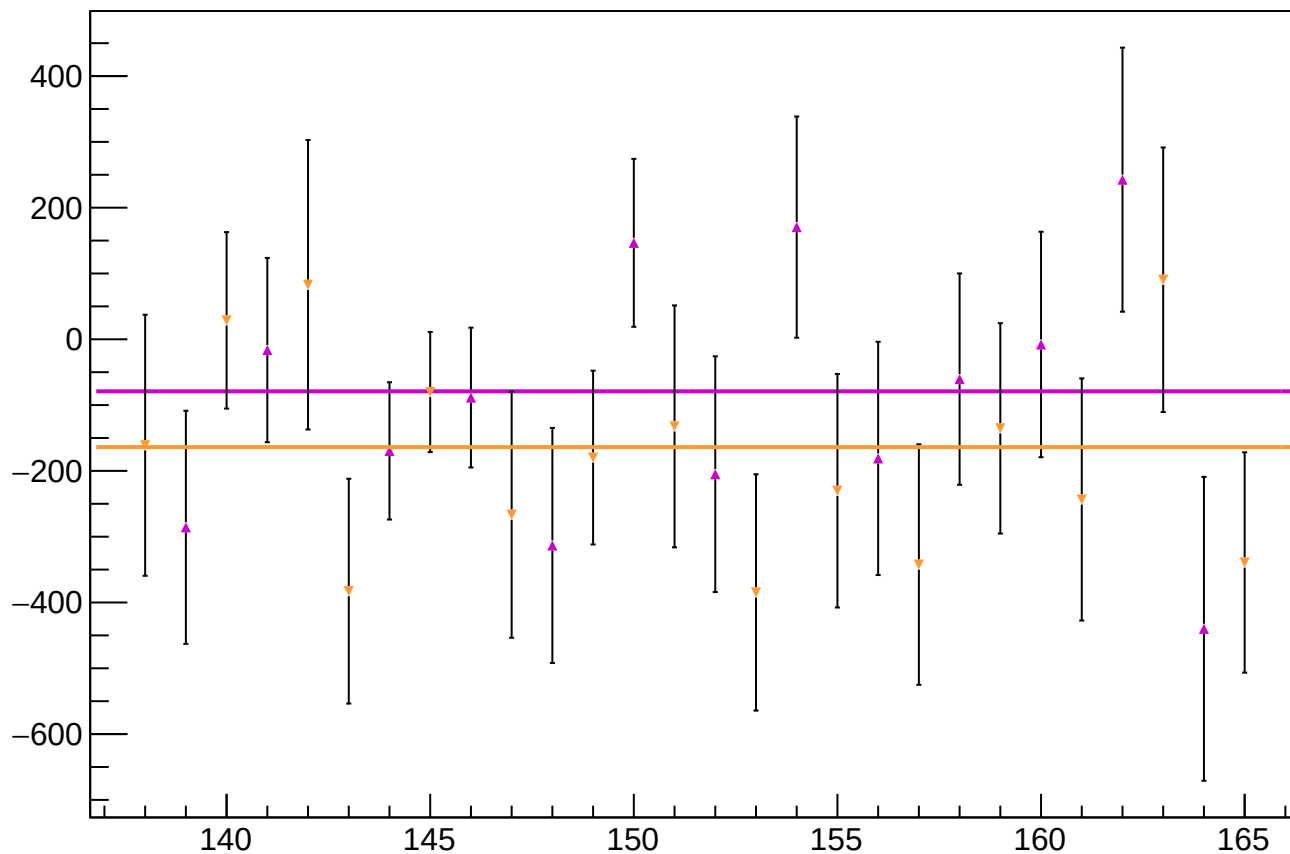
Left In: 41.221+/-0.009 χ^2/NDF :89943.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 41.077+/-0.006 χ^2/NDF : 244404.4/27

- 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: -163.848 $\pm$ 41.057 χ^2 /NDF:11.7/14

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

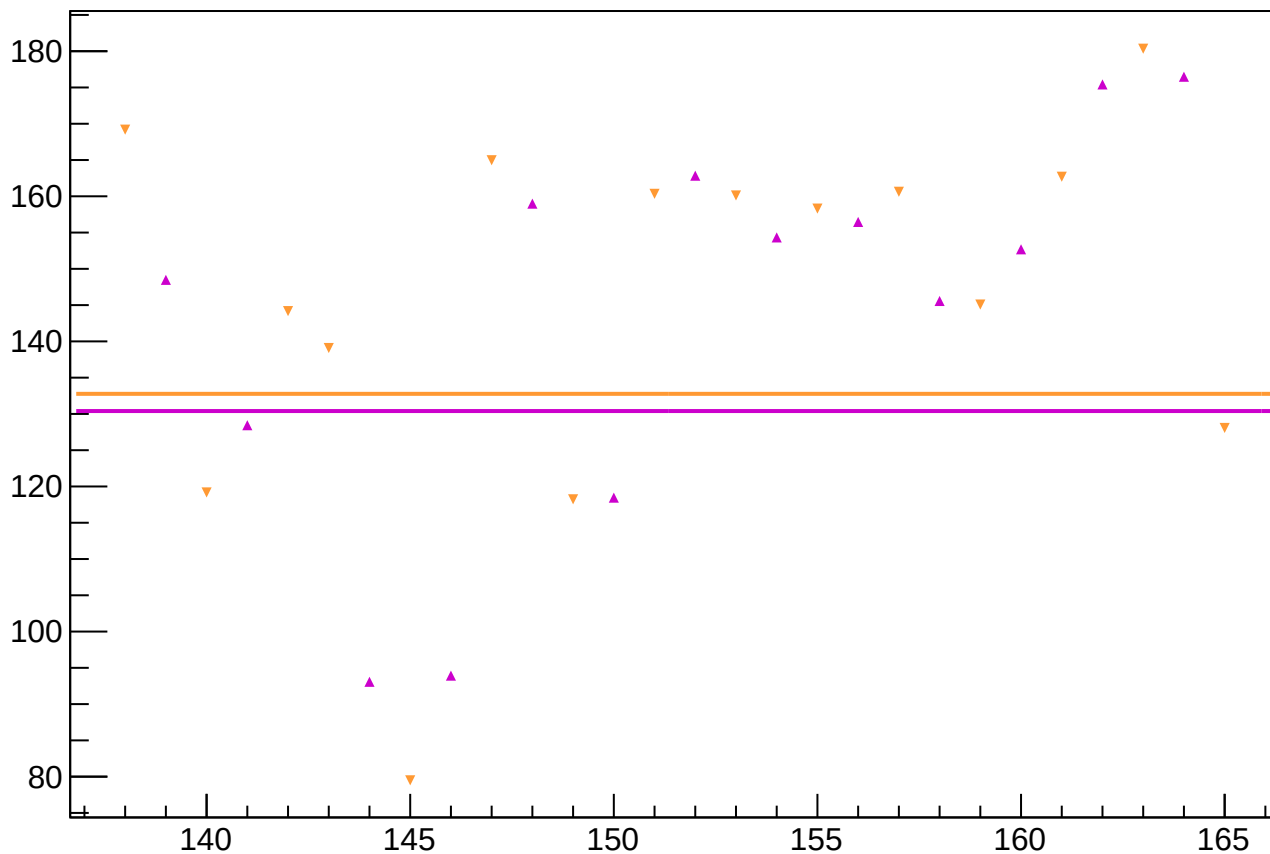
Left In: -79.090 $\pm$ 41.853 χ^2 /NDF:15.4/12

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

All: -122.282 $\pm$ 29.309 χ^2 /NDF: 29.2/27

- 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: 132.770+/-0.029 χ^2/NDF : 1218157.9/14

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

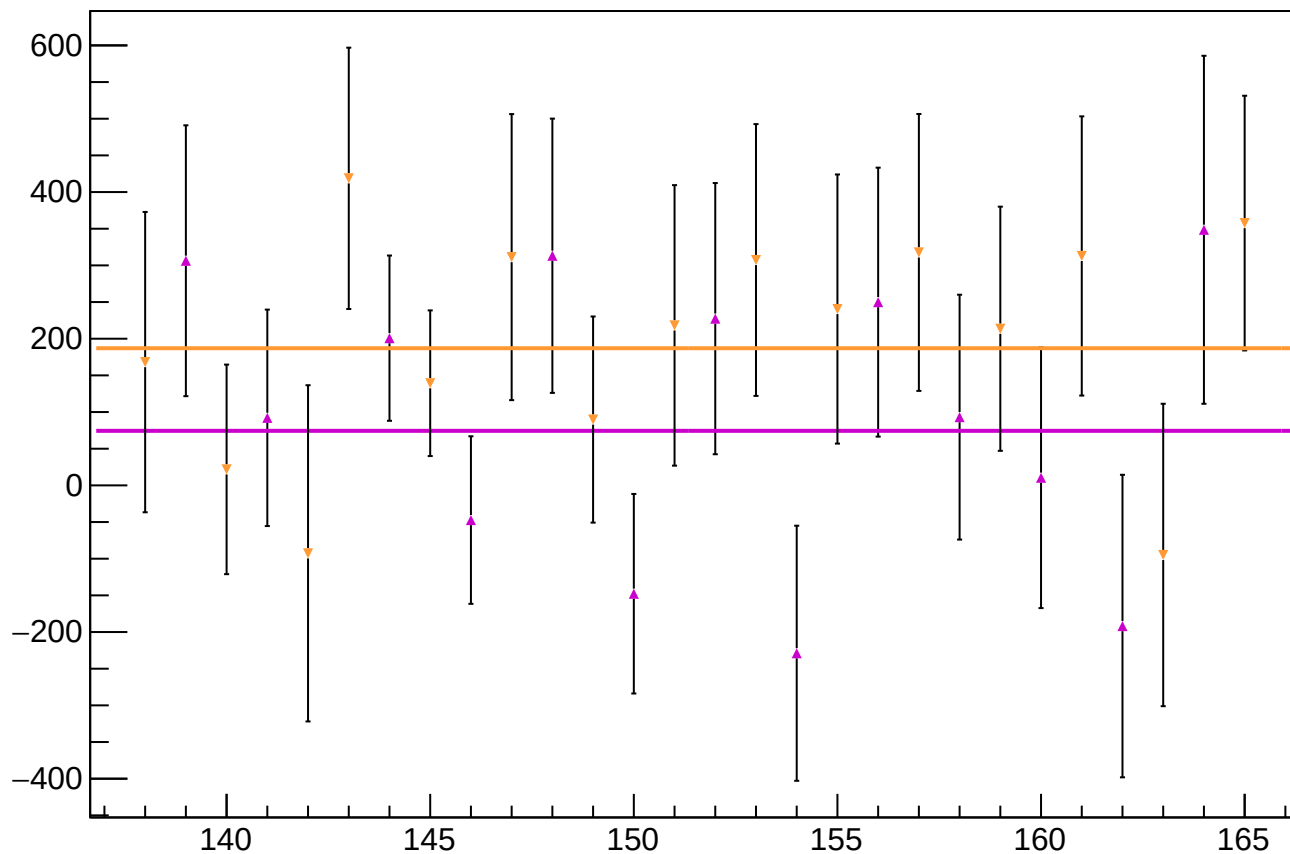
Left In: 130.397+/-0.030 χ^2/NDF : 963031.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 131.606+/-0.021 χ^2/NDF : 2184463.2/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 187.028 $\pm$ 43.188 χ^2 /NDF:9.9/14

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

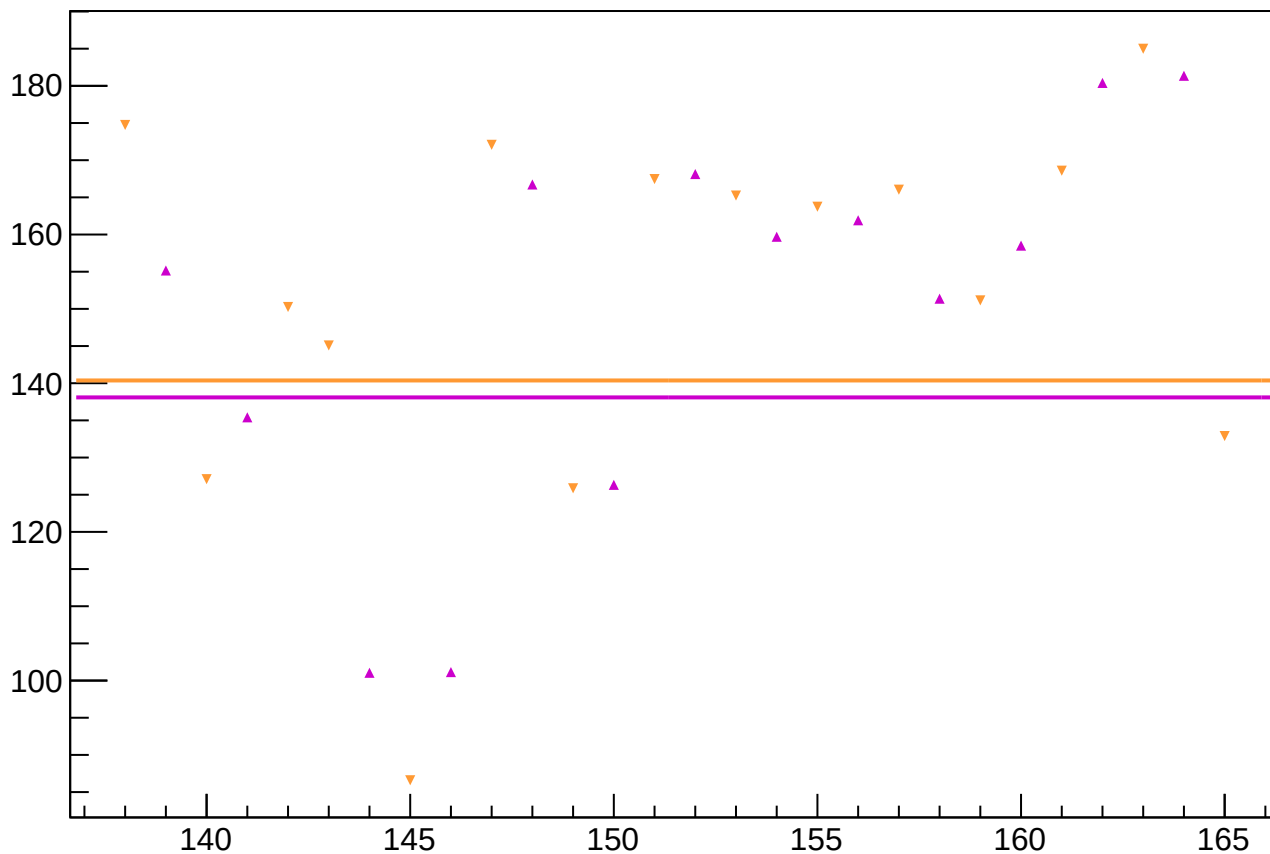
Left In: 74.377 $\pm$ 44.107 χ^2 /NDF:16.1/12

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

All: 131.889 $\pm$ 30.858 χ^2 /NDF: 29.3/27

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

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 140.370+/-0.031 χ^2/NDF :1034416.8/14

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

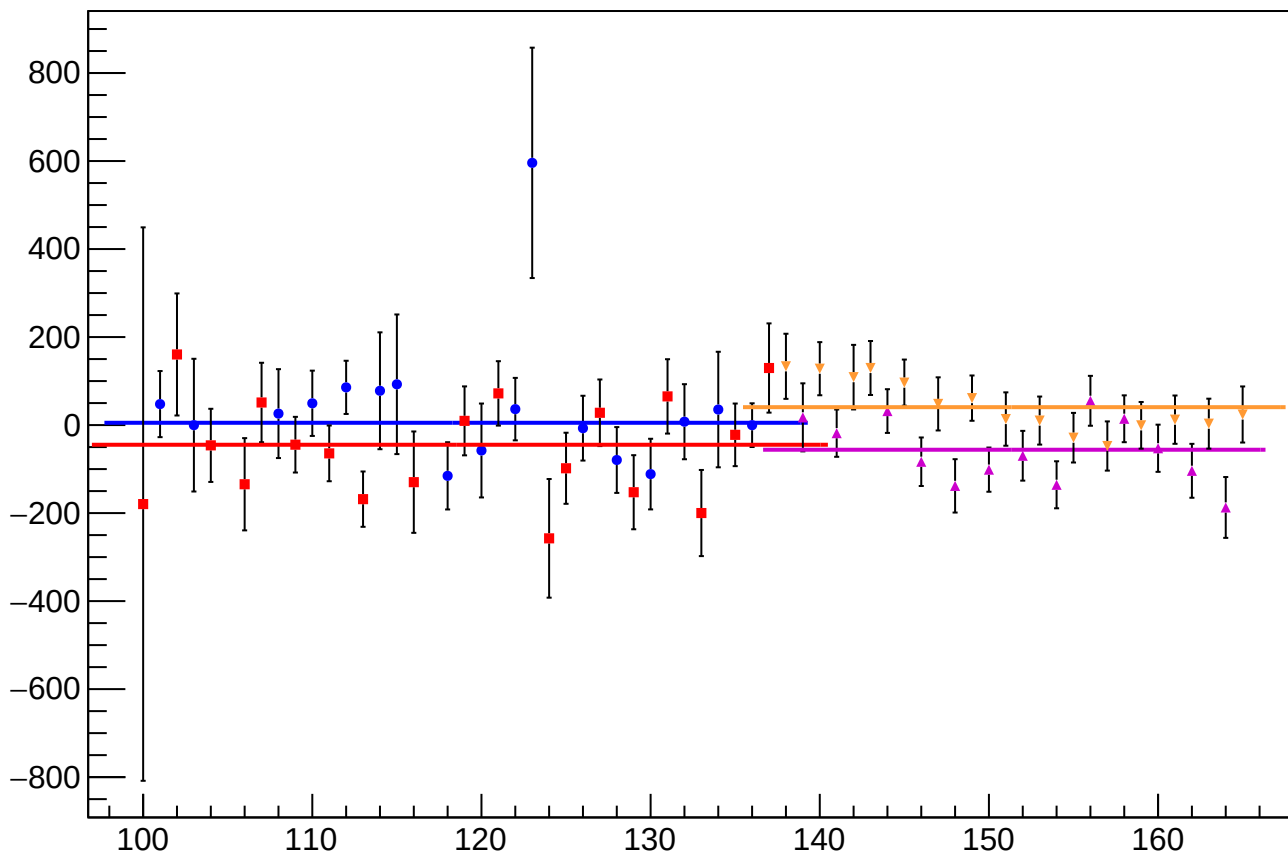
Left In: 138.091+/-0.031 χ^2/NDF :812035.3/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 139.254+/-0.022 χ^2/NDF : 1849179.9/27

- 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: 40.683 ± 15.056 χ^2/NDF : 13.8/14

Right Out: -44.715 ± 19.410 χ^2/NDF : 24.4/18

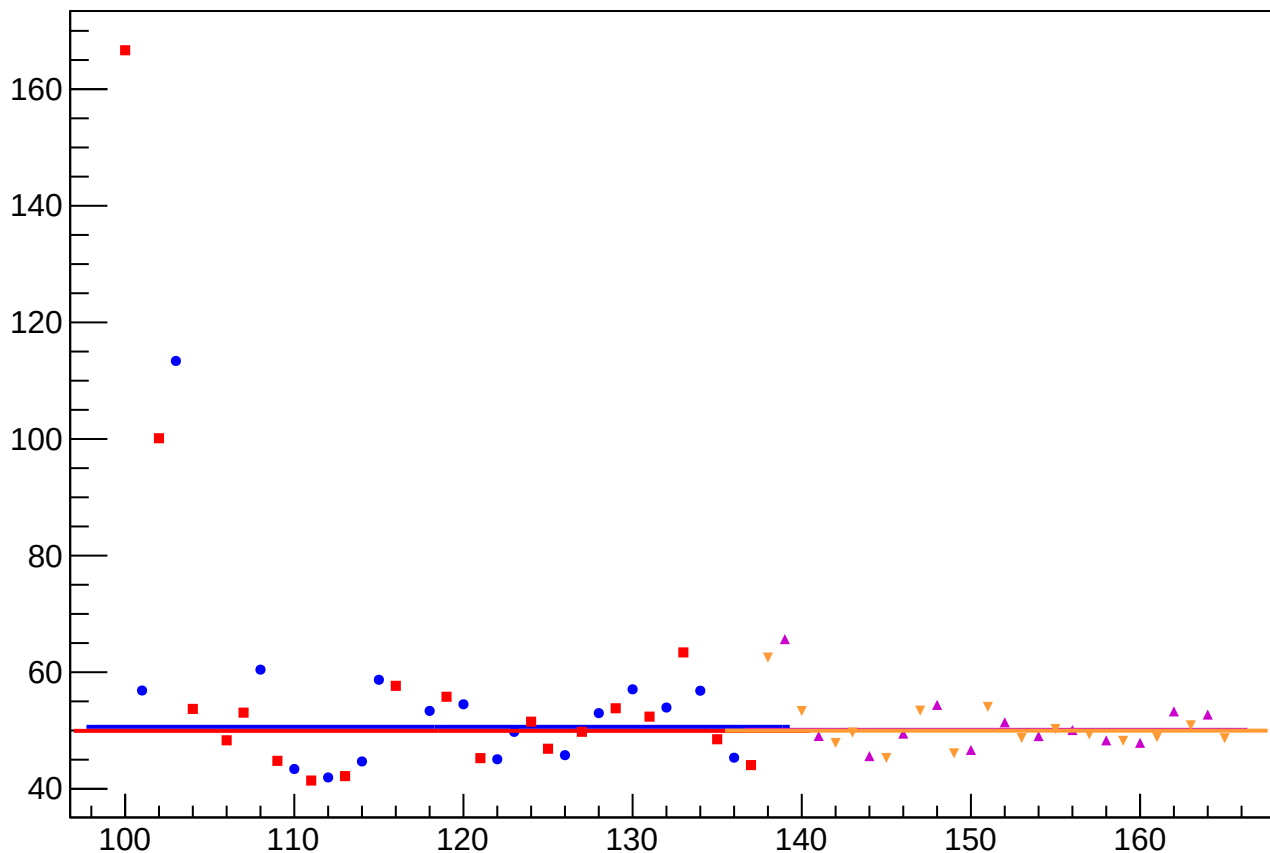
Left In: -56.050 ± 15.680 χ^2/NDF : 19.5/12

+ sign 27.977 ± 12.061 χ^2/NDF : 30.5/31

All: -11.352 ± 8.576 χ^2/NDF : 96.1/63

- sign -51.574 ± 12.197 χ^2/NDF : 44.1/31

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.983 $\pm$ 0.011 χ^2 /NDF: 113995.6/14

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

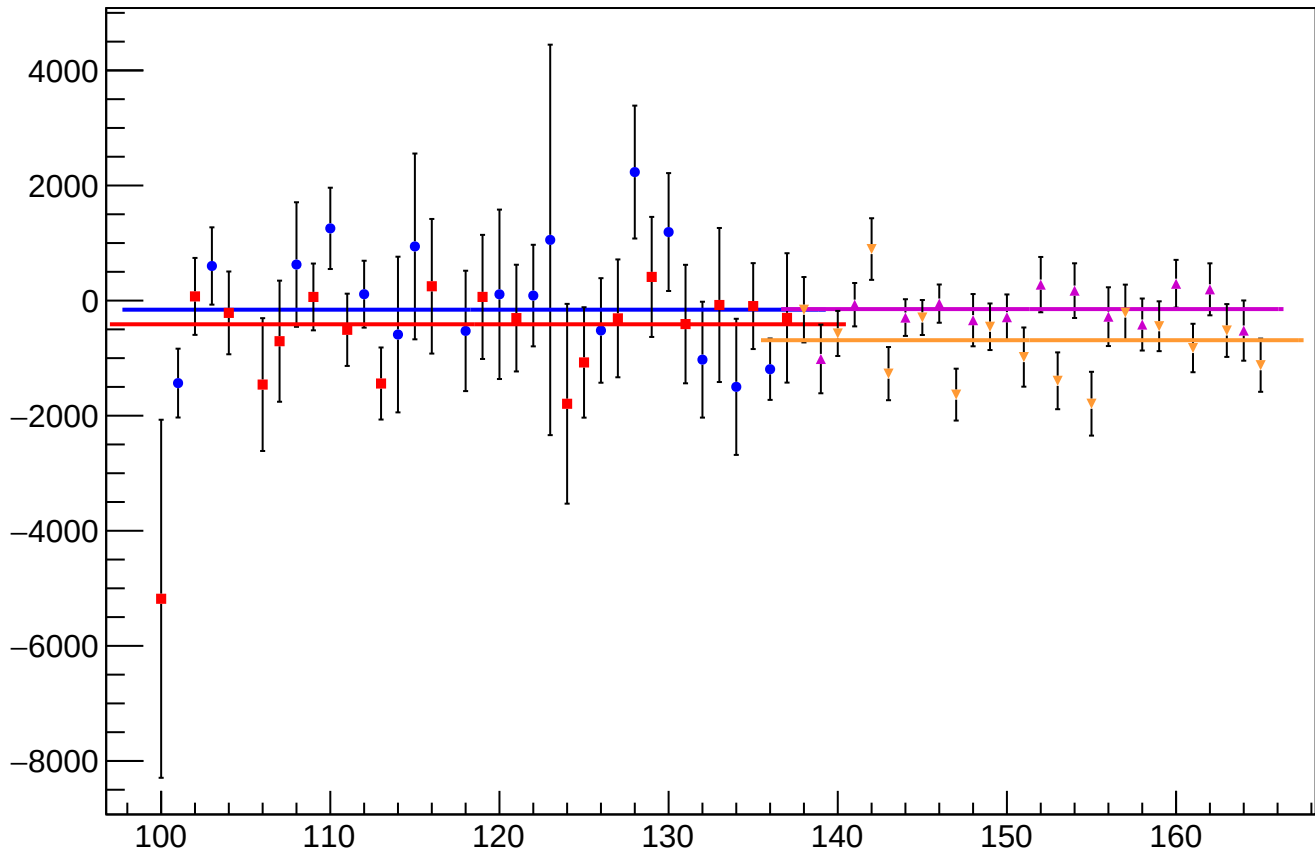
Left In: 50.118 $\pm$ 0.011 χ^2 /NDF: 133628.3/12

+ sign 50.217 $\pm$ 0.009 χ^2 /NDF: 635025.5/31

All: 50.134 $\pm$ 0.006 χ^2 /NDF: 1269432.3/63

- sign 50.049 $\pm$ 0.009 χ^2 /NDF: 634216.2/31

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 $\pm$ 210.181 χ^2/NDF : 23.5/16

Left Out: -688.331 $\pm$ 115.140 χ^2/NDF : 26.5/14

Right Out: -411.611 $\pm$ 203.633 χ^2/NDF : 9.8/18

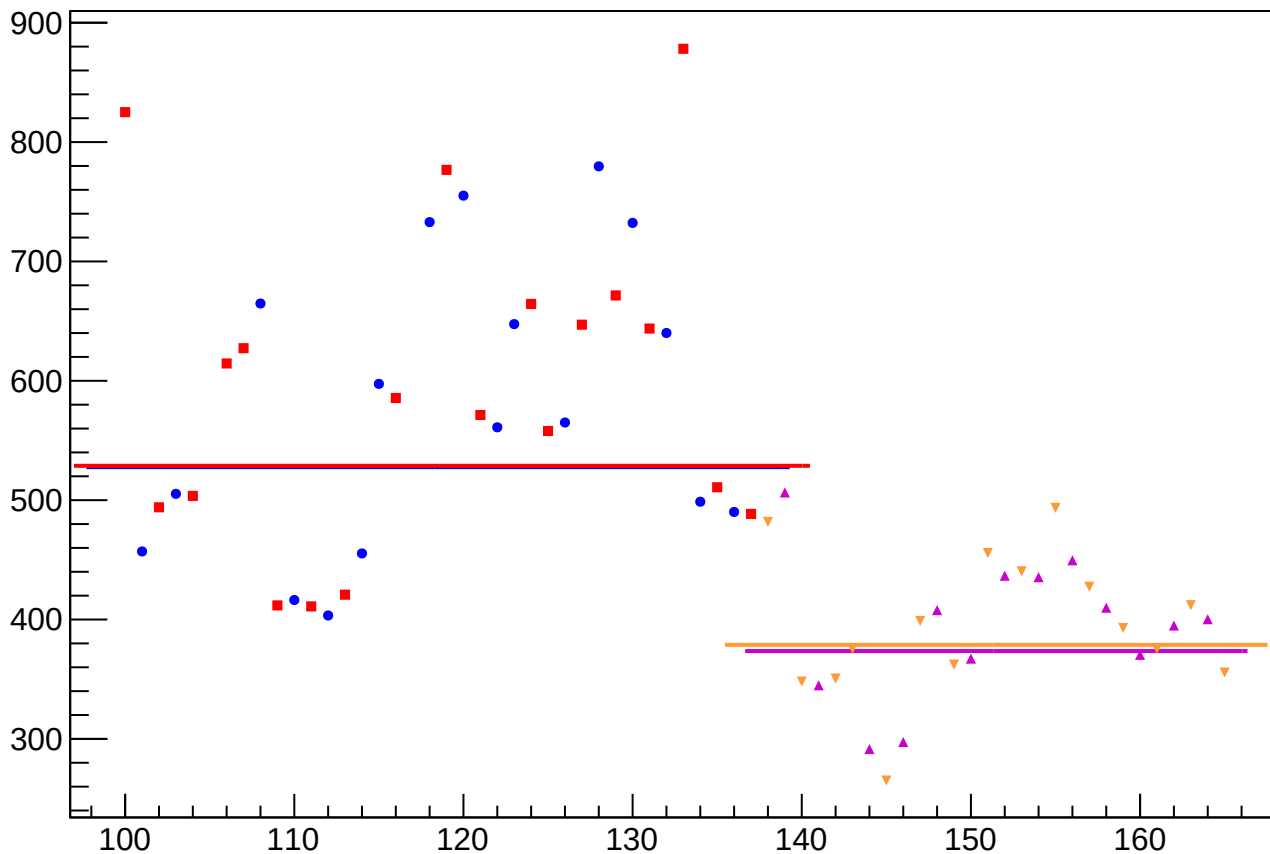
Left In: -147.604 $\pm$ 117.973 χ^2/NDF : 6.6/12

+ sign -565.915 $\pm$ 100.981 χ^2/NDF : 54.8/31

All: -391.835 $\pm$ 71.789 χ^2/NDF : 78.5/63

- sign -213.947 $\pm$ 102.079 χ^2/NDF : 17.7/31

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 378.791+/-0.081 χ^2/NDF : 570276.8/14

Right Out: 528.806+/-0.144 χ^2/NDF : 623364.6/18

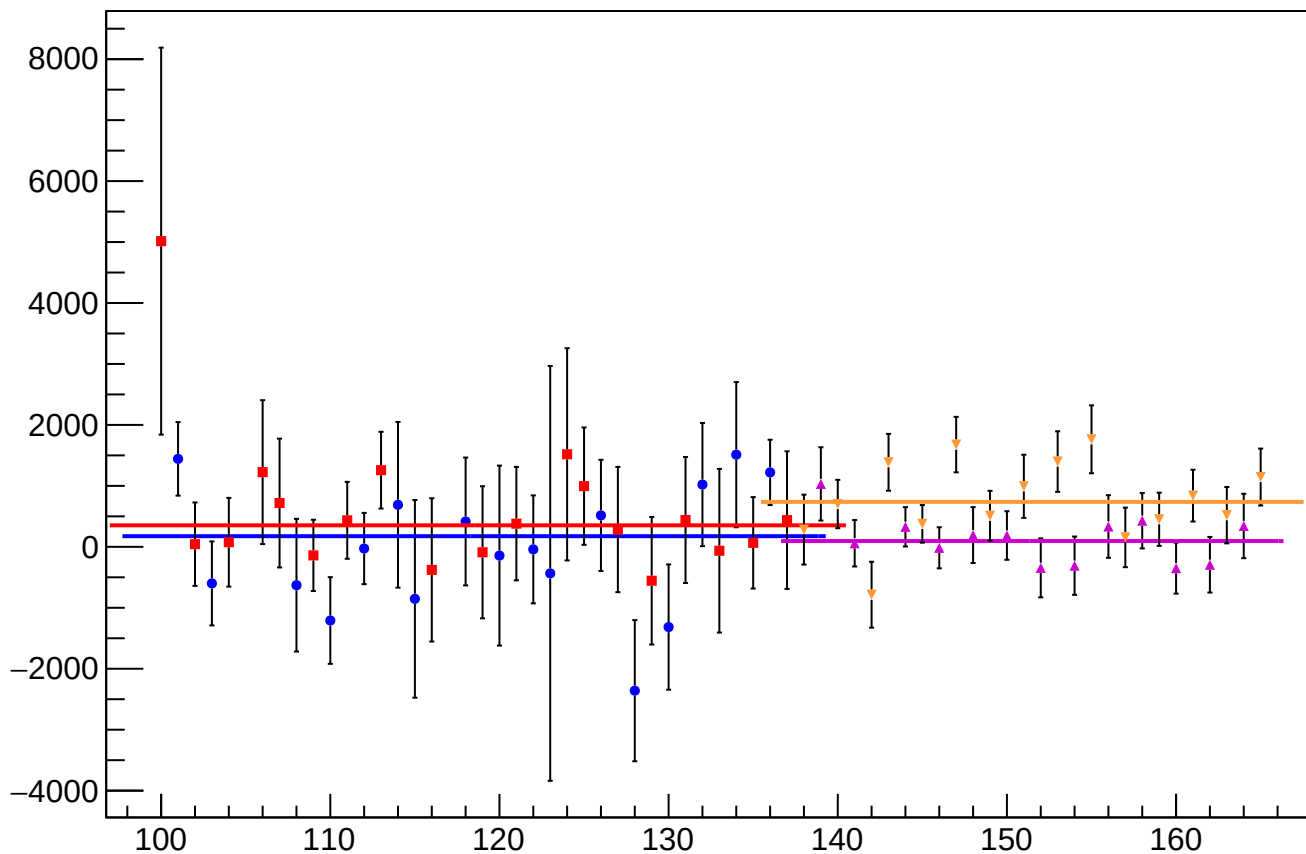
Left In: 373.608+/-0.083 χ^2/NDF : 495963.6/12

+ sign 413.155+/-0.071 χ^2/NDF : 1899474.9/31

All: 412.885+/-0.051 χ^2/NDF : 3888629.7/63

- sign 412.608+/-0.072 χ^2/NDF : 1989125.8/31

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 737.032 $\pm$ 116.223 χ^2 /NDF:24.8/14

Right Out: 352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

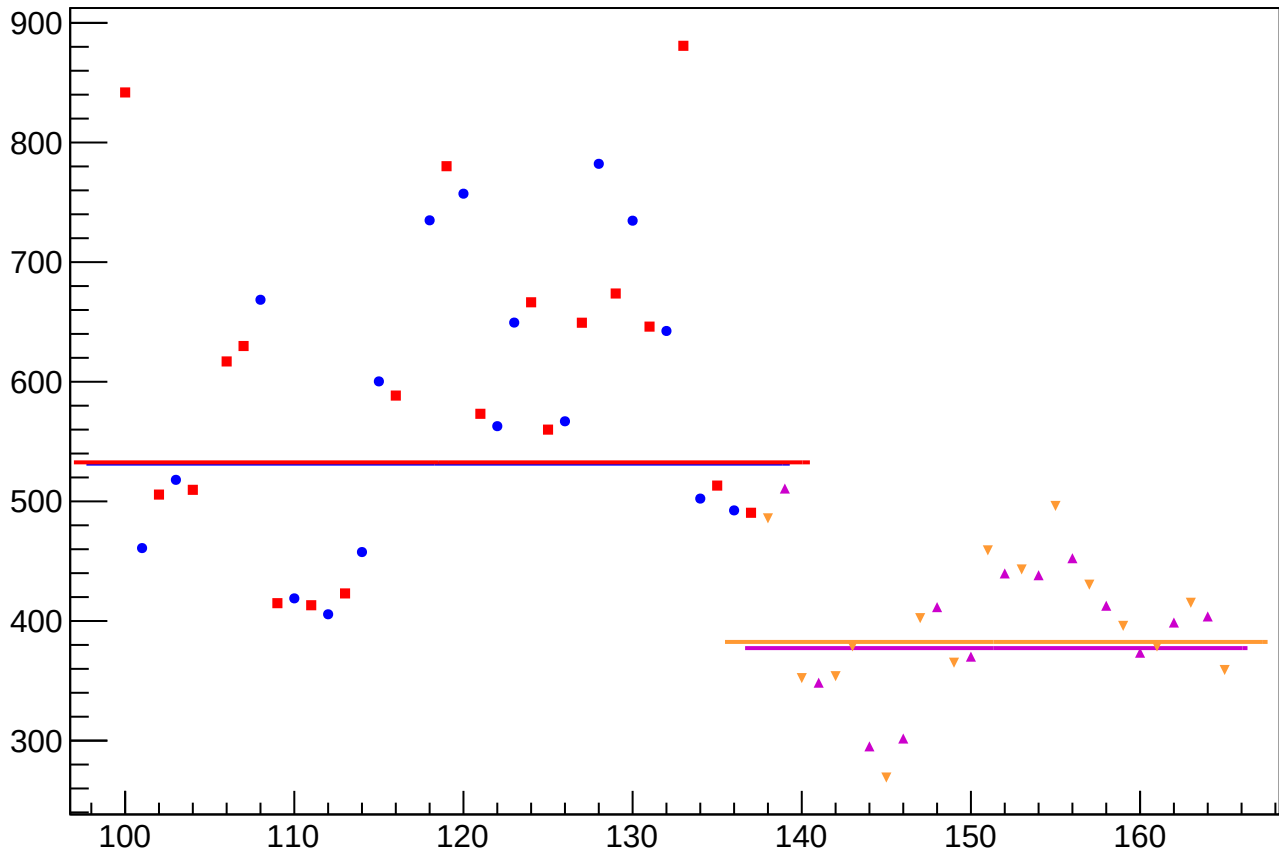
Left In: 94.782 $\pm$ 119.103 χ^2 /NDF:7.5/12

+ sign 606.740 $\pm$ 101.875 χ^2 /NDF: 53.9/31

All: 385.716 $\pm$ 72.434 χ^2 /NDF: 80.5/63

- sign 159.743 $\pm$ 103.010 χ^2 /NDF: 17.1/31

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 382.508+/-0.082 χ^2/NDF : 552722.4/14

Right Out: 532.620+/-0.145 χ^2/NDF : 615746.2/18

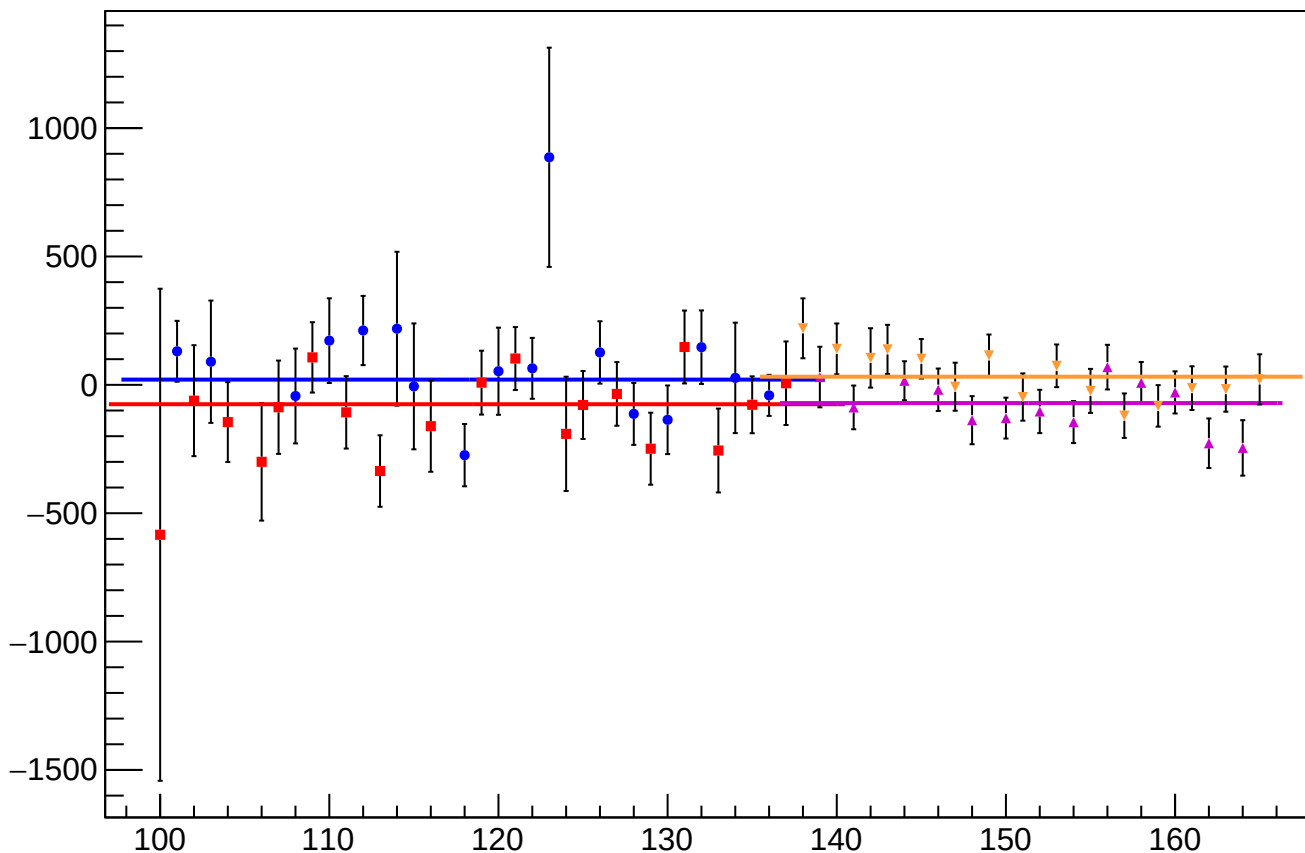
Left In: 377.338+/-0.084 χ^2/NDF : 481988.3/12

+ sign 417.036+/-0.072 χ^2/NDF : 1864780.6/31

All: 416.755+/-0.051 χ^2/NDF : 3819211.2/63

- sign 416.468+/-0.073 χ^2/NDF : 1954399.8/31

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 31.727 $\pm$ 23.240 χ^2 /NDF:14.5/14

Right Out: -75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

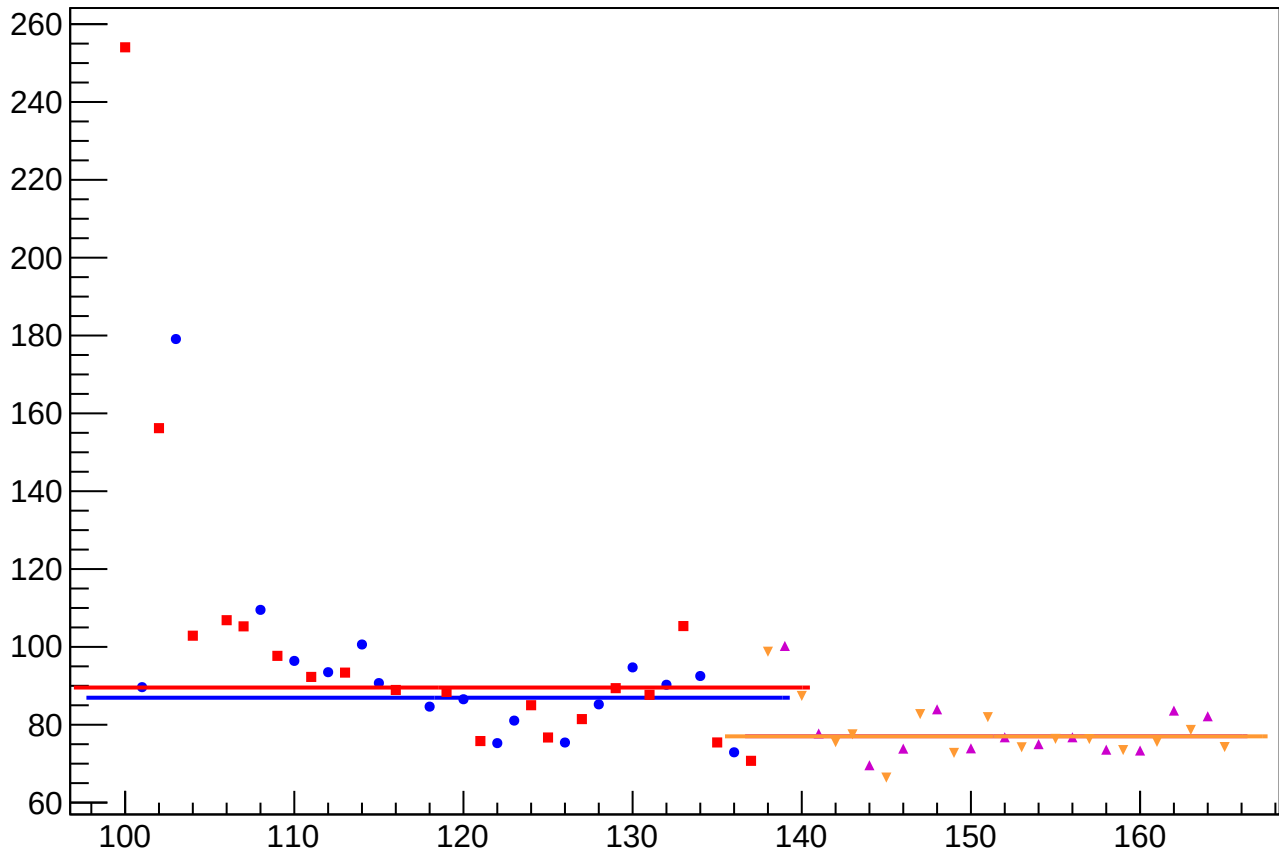
Left In: -70.983 $\pm$ 24.137 χ^2 /NDF:13.5/12

+ sign 28.216 $\pm$ 19.289 χ^2 /NDF: 33.9/31

All: -20.760 $\pm$ 13.821 χ^2 /NDF: 76.1/63

- sign -72.441 $\pm$ 19.814 χ^2 /NDF: 28.9/31

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943 ± 0.024 χ^2/NDF : 455809.4/16

Left Out: 77.018 ± 0.016 χ^2/NDF : 157708.4/14

Right Out: 89.561 ± 0.025 χ^2/NDF : 431229.7/18

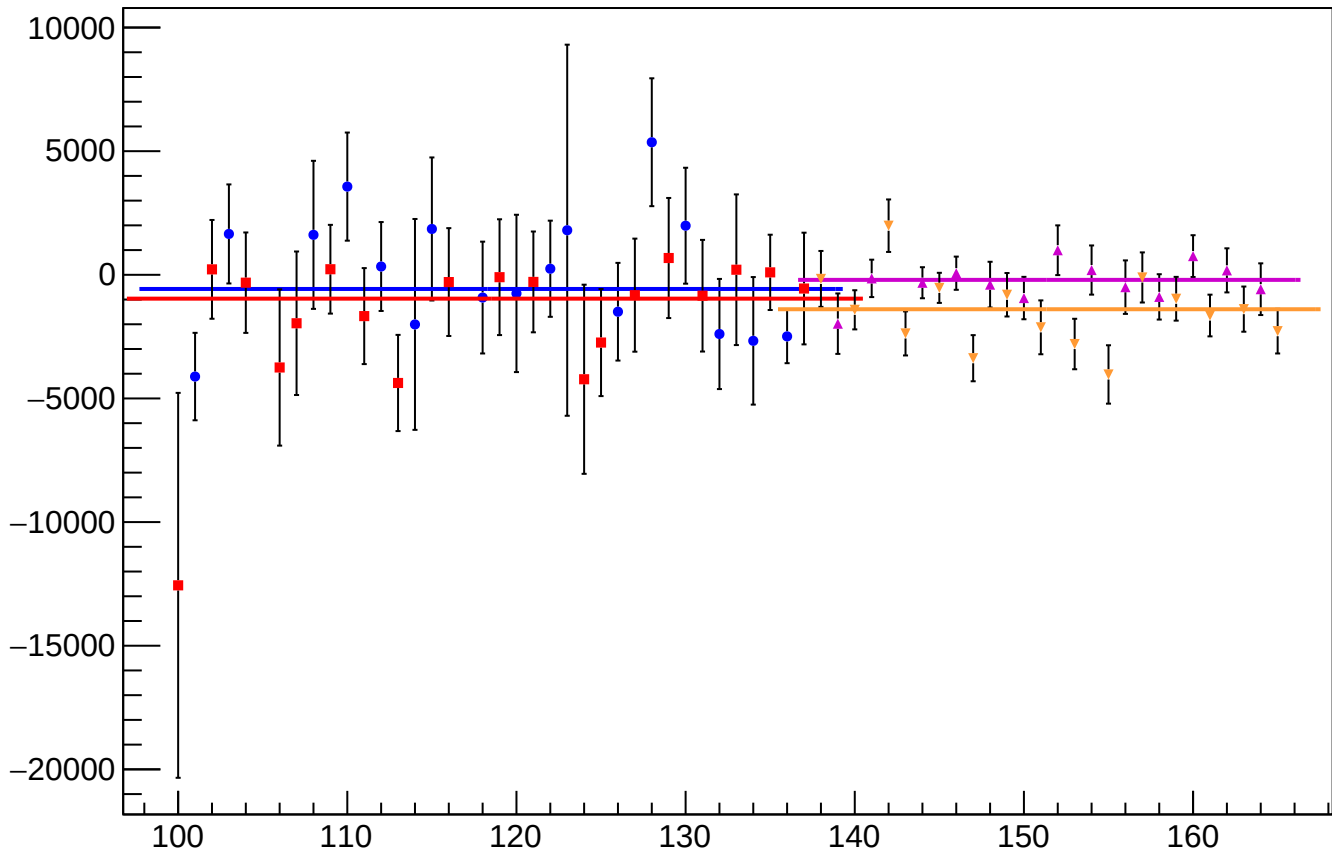
Left In: 77.054 ± 0.017 χ^2/NDF : 136339.7/12

+ sign 80.105 ± 0.014 χ^2/NDF : 726995.1/31

All: 80.605 ± 0.010 χ^2/NDF : 1472439.6/63

- sign 81.132 ± 0.014 χ^2/NDF : 742686.3/31

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 $\pm$ 517.020 χ^2 /NDF: 21.9/16

Left Out: -1392.299 $\pm$ 233.926 χ^2 /NDF: 29.7/14

Right Out: -963.846 $\pm$ 514.621 χ^2 /NDF: 10.1/18

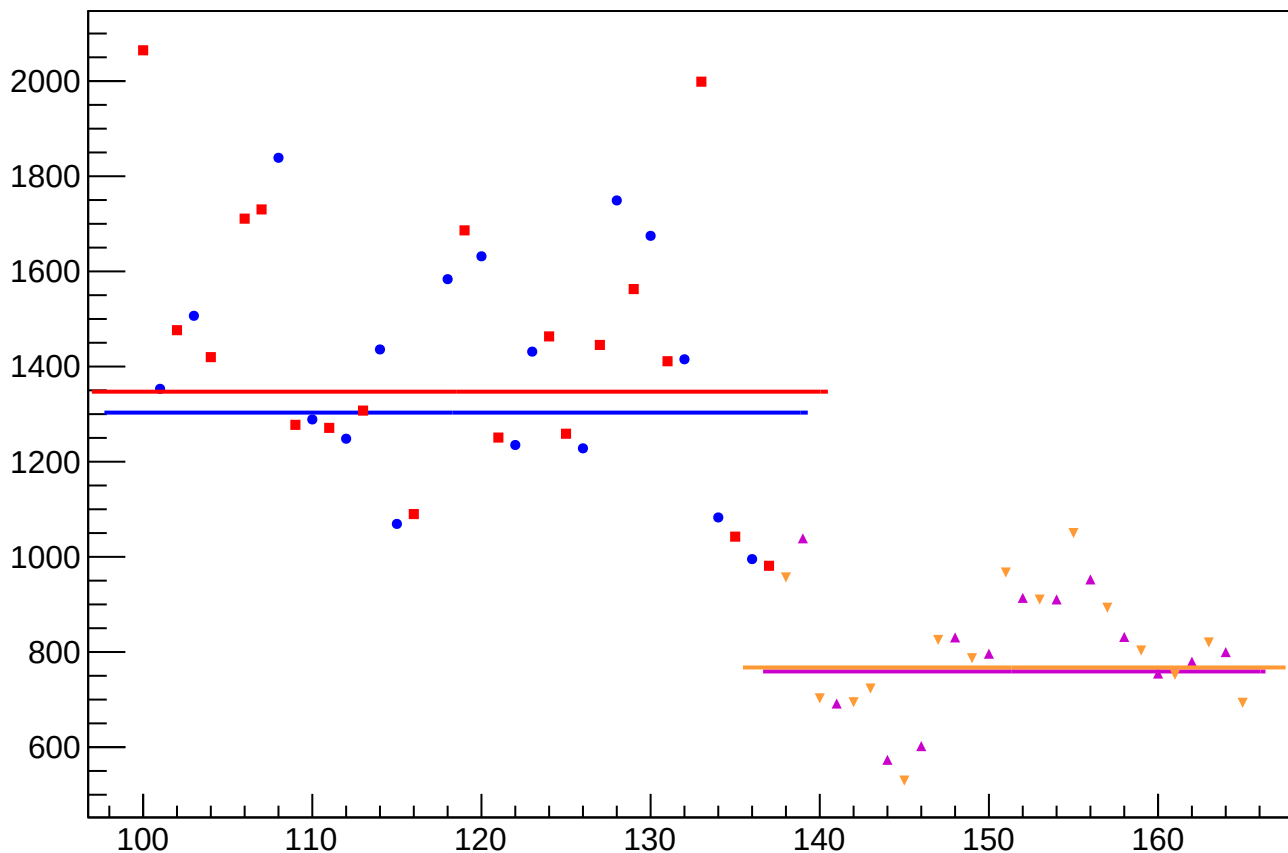
Left In: -204.646 $\pm$ 240.290 χ^2 /NDF: 6.9/12

+ sign -1252.967 $\pm$ 213.127 χ^2 /NDF: 53.7/31

All: -806.492 $\pm$ 152.303 χ^2 /NDF: 81.4/63

- sign -340.540 $\pm$ 217.725 χ^2 /NDF: 18.8/31

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201 $\pm$ 0.366 χ^2 /NDF: 451961.9/16

Left Out: 767.493 $\pm$ 0.165 χ^2 /NDF: 673661.8/14

Right Out: 1347.177 $\pm$ 0.364 χ^2 /NDF: 420774.0/18

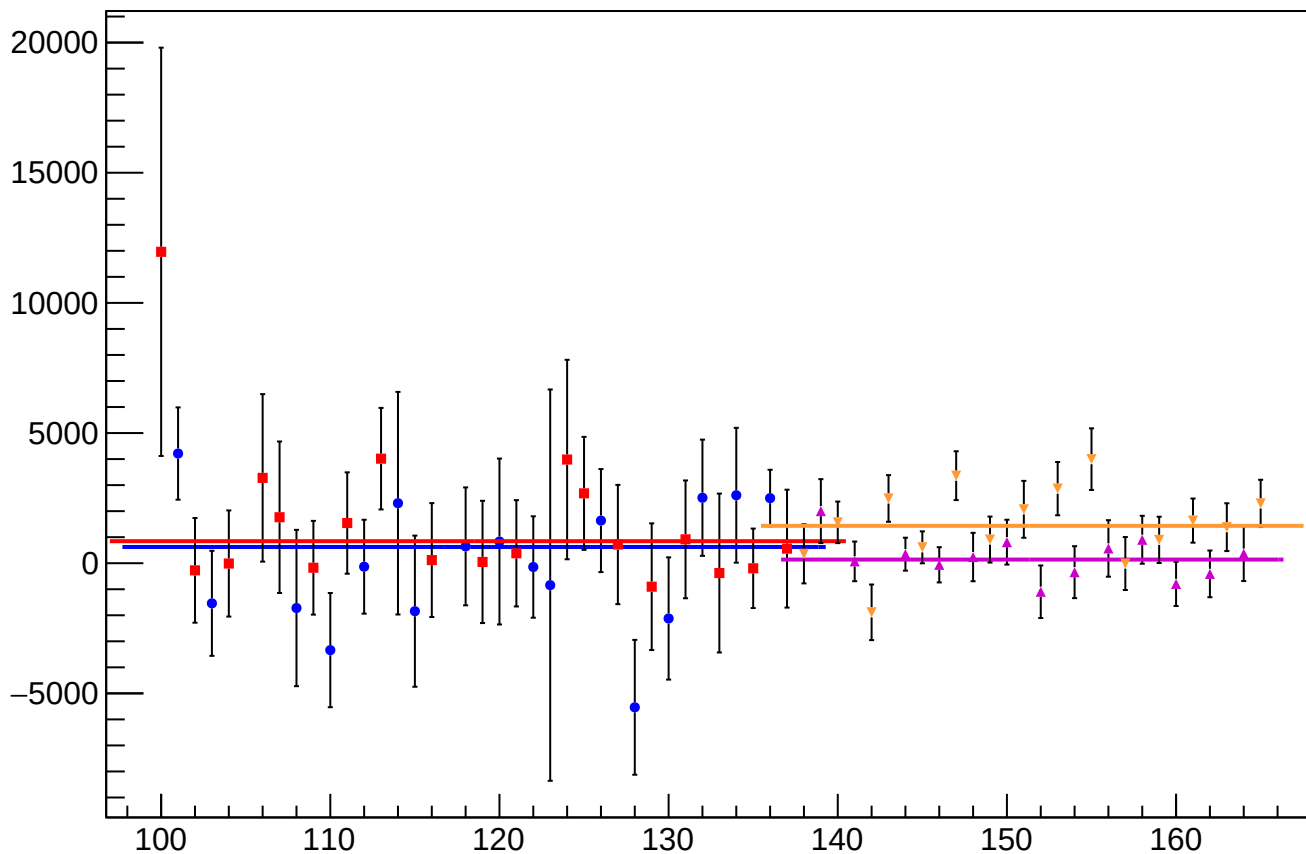
Left In: 759.113 $\pm$ 0.170 χ^2 /NDF: 594950.7/12

+ sign 858.523 $\pm$ 0.151 χ^2 /NDF: 2907955.2/31

All: 861.386 $\pm$ 0.108 χ^2 /NDF: 6068536.5/63

- sign 864.374 $\pm$ 0.154 χ^2 /NDF: 3159843.7/31

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1435.994 $\pm$ 235.228 χ^2 /NDF:28.7/14

Right Out: 846.021 $\pm$ 516.325 χ^2 /NDF: 9.1/18

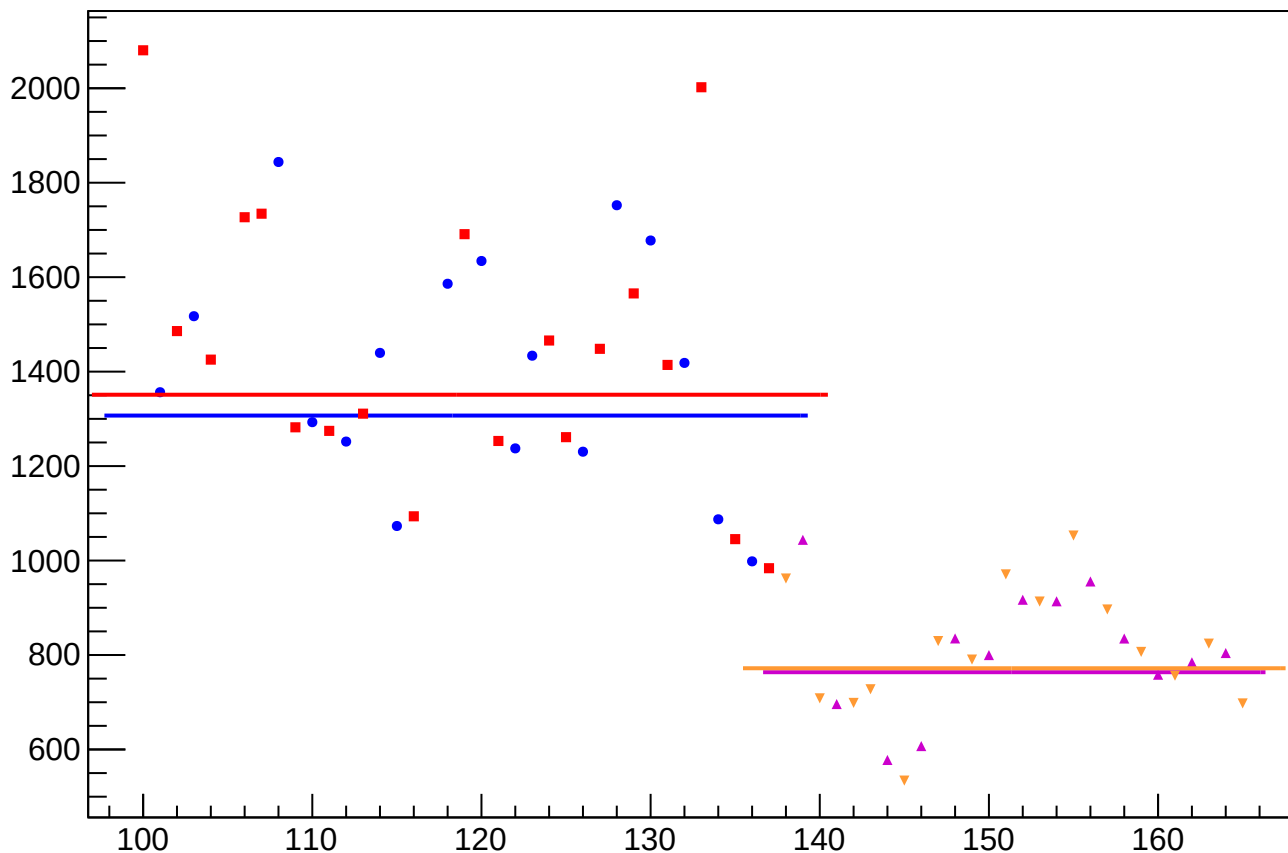
Left In: 139.742 $\pm$ 241.648 χ^2 /NDF:7.3/12

+ sign 1297.125 $\pm$ 214.214 χ^2 /NDF: 52.7/31

All: 792.950 $\pm$ 153.090 χ^2 /NDF: 82.0/63

- sign 266.647 $\pm$ 218.864 χ^2 /NDF: 17.9/31

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 $\chi^2/\text{NDF}: 451191.7/16$

Left Out: 771.964 ± 0.166 $\chi^2/\text{NDF}: 662506.8/14$

Right Out: 1351.096 ± 0.365 $\chi^2/\text{NDF}: 421804.6/18$

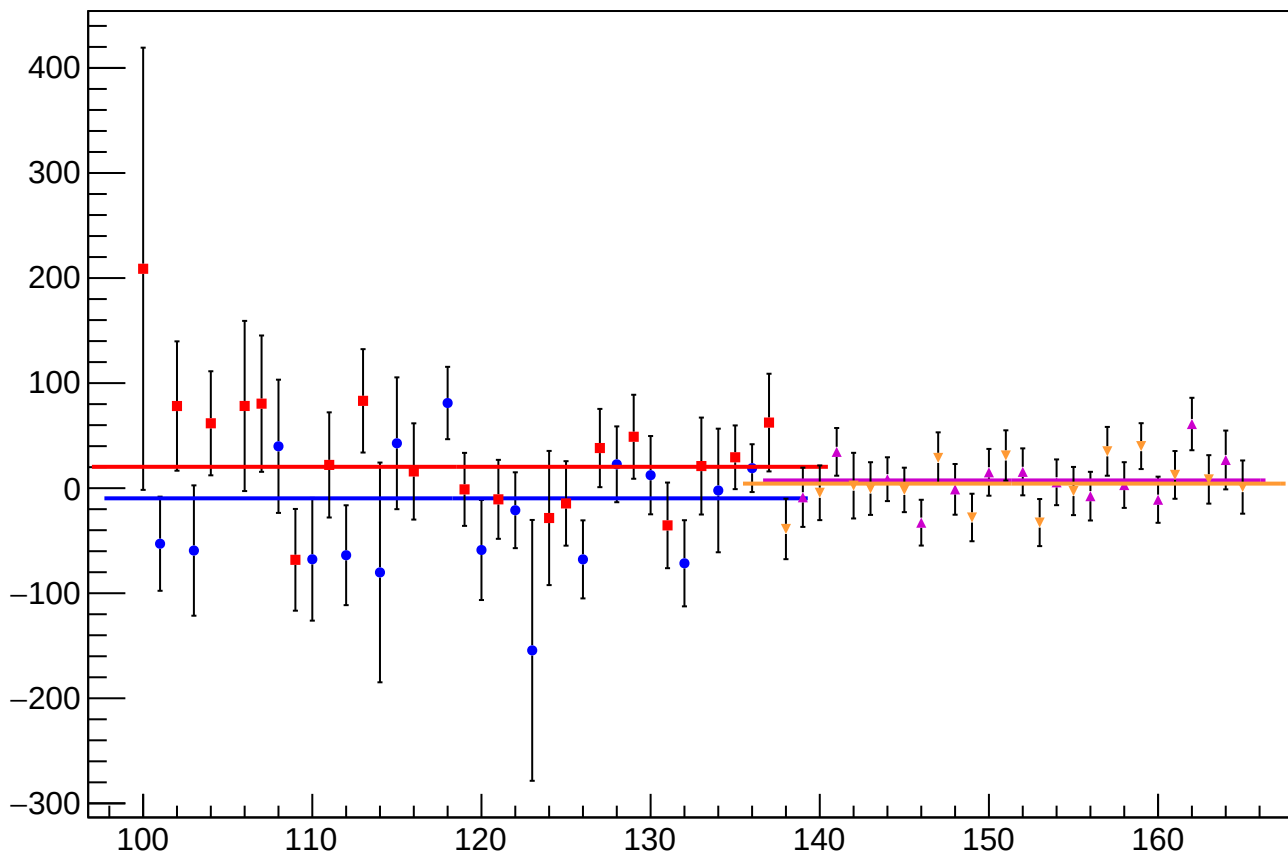
Left In: 763.605 ± 0.171 $\chi^2/\text{NDF}: 584959.8/12$

+ sign 863.285 ± 0.151 $\chi^2/\text{NDF}: 2879700.8/31$

All: 866.163 ± 0.108 $\chi^2/\text{NDF}: 6011275.0/63$

- sign 869.166 ± 0.155 $\chi^2/\text{NDF}: 3130836.6/31$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 4.343 ± 6.185 χ^2/NDF : 14.2/14

Right Out: 20.335 ± 10.444 χ^2/NDF : 14.7/18

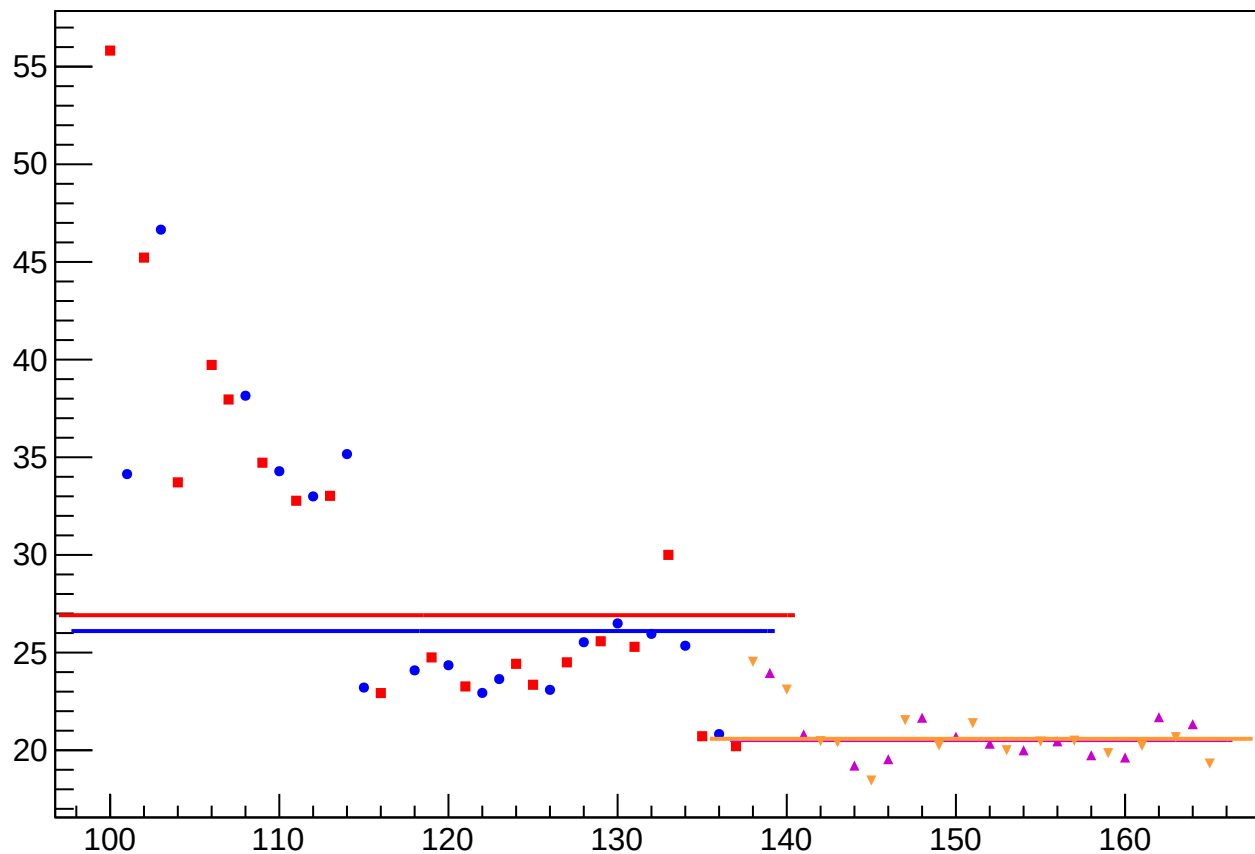
Left In: 7.372 ± 6.404 χ^2/NDF : 11.8/12

+ sign 0.685 ± 5.317 χ^2/NDF : 38.1/31

All: 5.665 ± 3.809 χ^2/NDF : 67.5/63

- sign 10.915 ± 5.460 χ^2/NDF : 27.6/31

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103 $\pm$ 0.007 χ^2/NDF : 604038.5/16

Left Out: 20.585 $\pm$ 0.004 χ^2/NDF : 91774.0/14

Right Out: 26.914 $\pm$ 0.007 χ^2/NDF : 678970.2/18

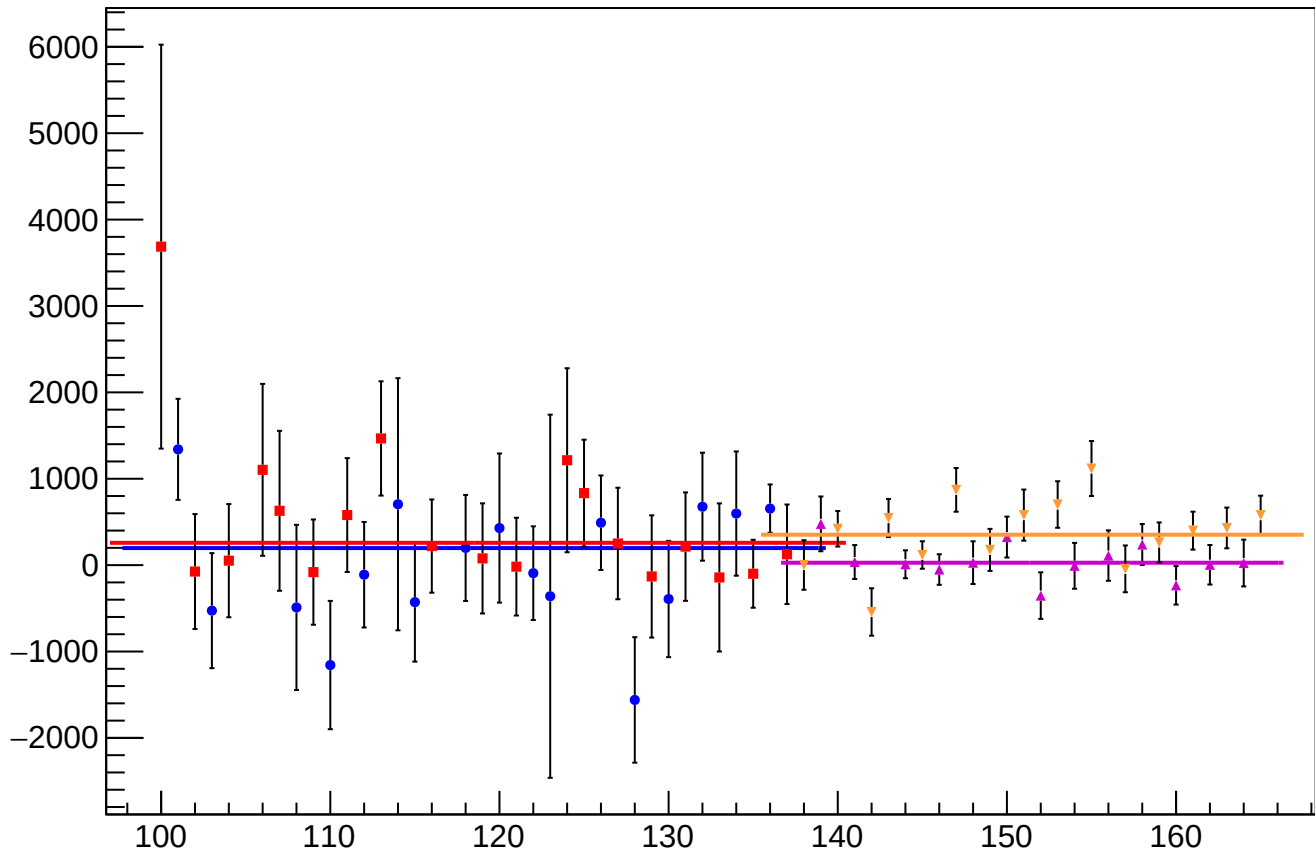
Left In: 20.520 $\pm$ 0.005 χ^2/NDF : 59813.2/12

+ sign 22.025 $\pm$ 0.004 χ^2/NDF : 1111226.0/31

All: 22.143 $\pm$ 0.003 χ^2/NDF : 2396806.3/63

- sign 22.267 $\pm$ 0.004 χ^2/NDF : 1283559.6/31

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 352.304 ± 61.152 χ^2/NDF : 31.4/14

Right Out: 258.537 ± 149.867 χ^2/NDF : 10.7/18

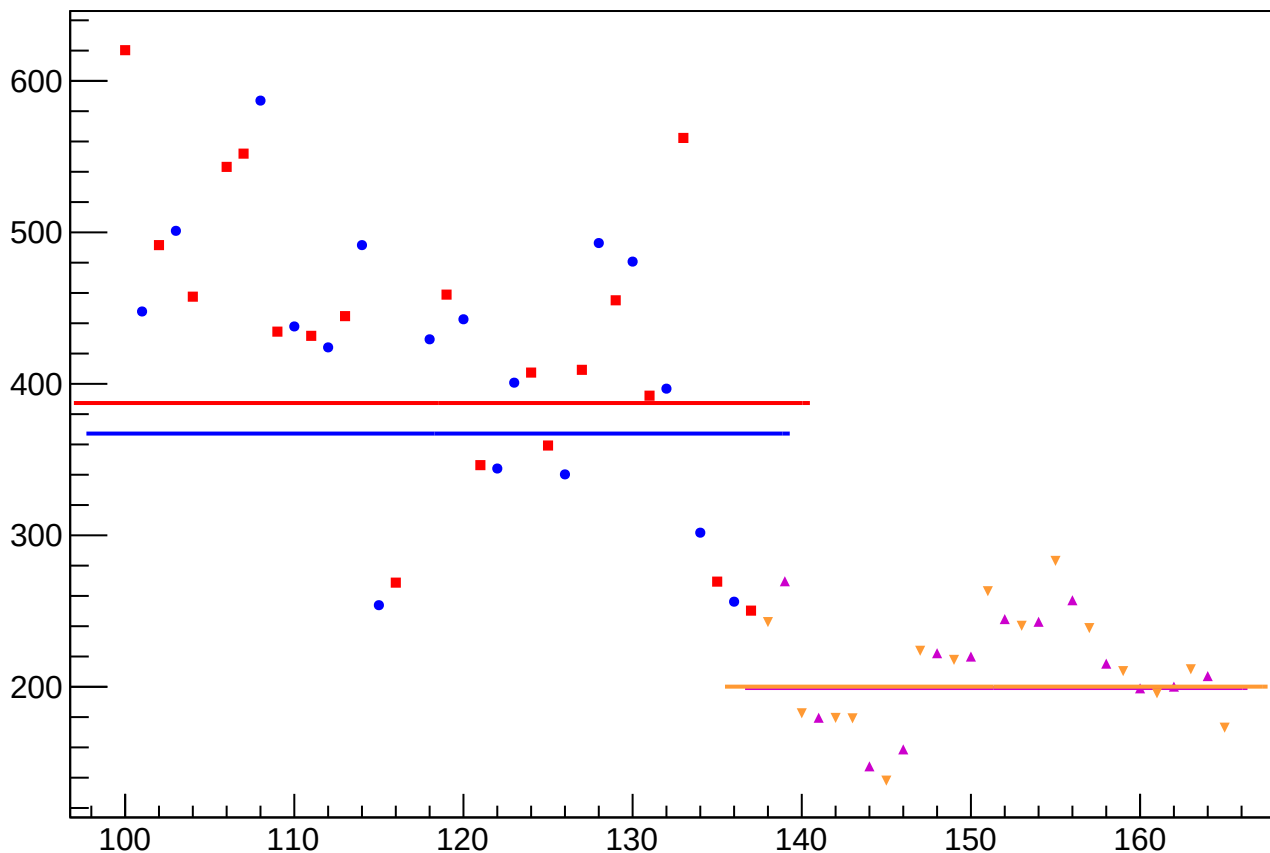
Left In: 27.750 ± 63.163 χ^2/NDF : 8.1/12

+ sign 329.673 ± 56.511 χ^2/NDF : 53.3/31

All: 200.060 ± 40.545 χ^2/NDF : 84.9/63

- sign 62.561 ± 58.205 χ^2/NDF : 20.8/31

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 200.109 $\pm$ 0.043 χ^2 /NDF: 770872.6/14

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

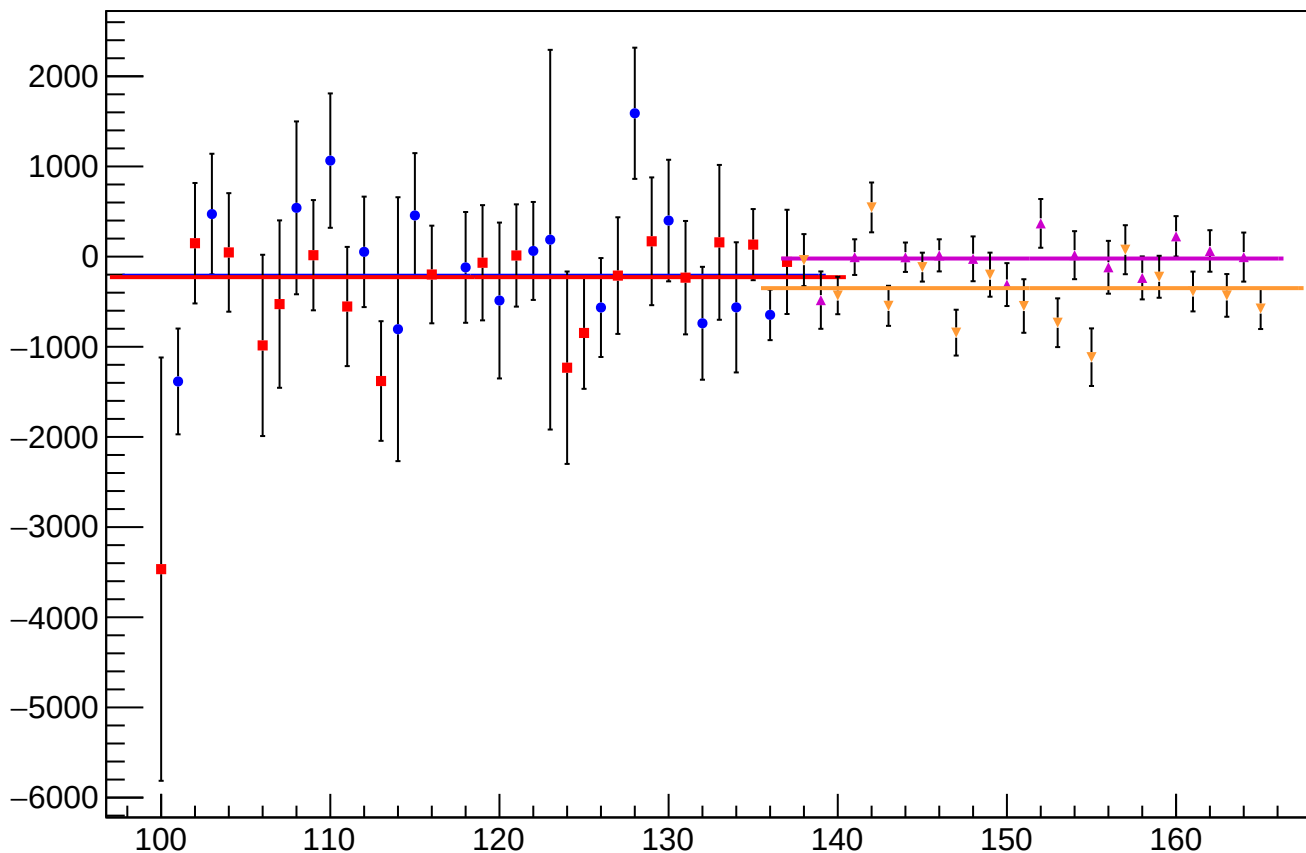
Left In: 199.198 $\pm$ 0.045 χ^2 /NDF: 662093.4/12

+ sign 224.506 $\pm$ 0.040 χ^2 /NDF: 3777930.7/31

All: 225.996 $\pm$ 0.029 χ^2 /NDF: 7894141.5/63

- sign 227.577 $\pm$ 0.041 χ^2 /NDF: 4113344.1/31

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -349.586 ± 61.510 χ^2/NDF : 31.0/14

Right Out: -227.831 ± 150.317 χ^2/NDF : 10.1/18

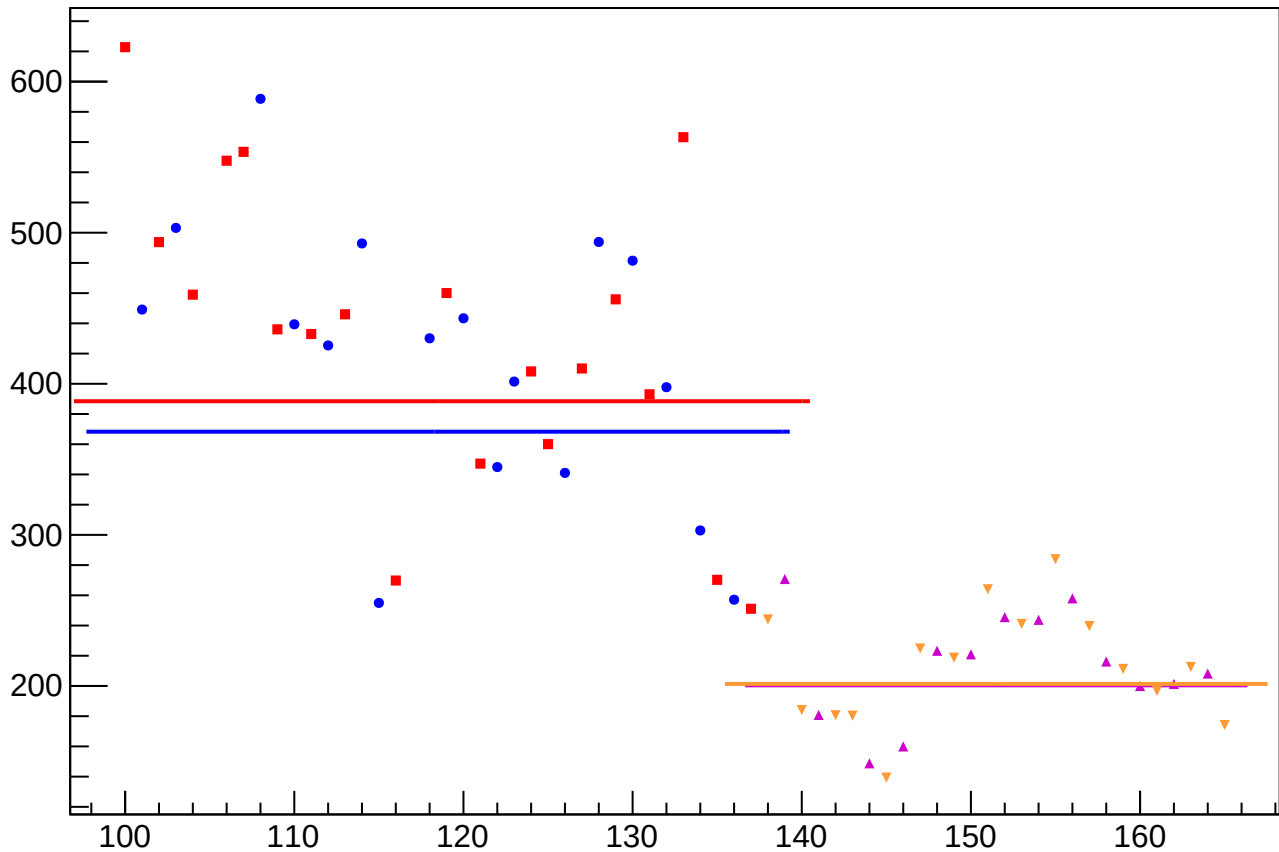
Left In: -21.219 ± 63.532 χ^2/NDF : 8.0/12

+ sign -329.374 ± 56.817 χ^2/NDF : 52.7/31

All: -195.040 ± 40.765 χ^2/NDF : 83.9/63

- sign -52.534 ± 58.520 χ^2/NDF : 19.7/31

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 201.355 $\pm$ 0.043 χ^2 /NDF: 756354.6/14

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

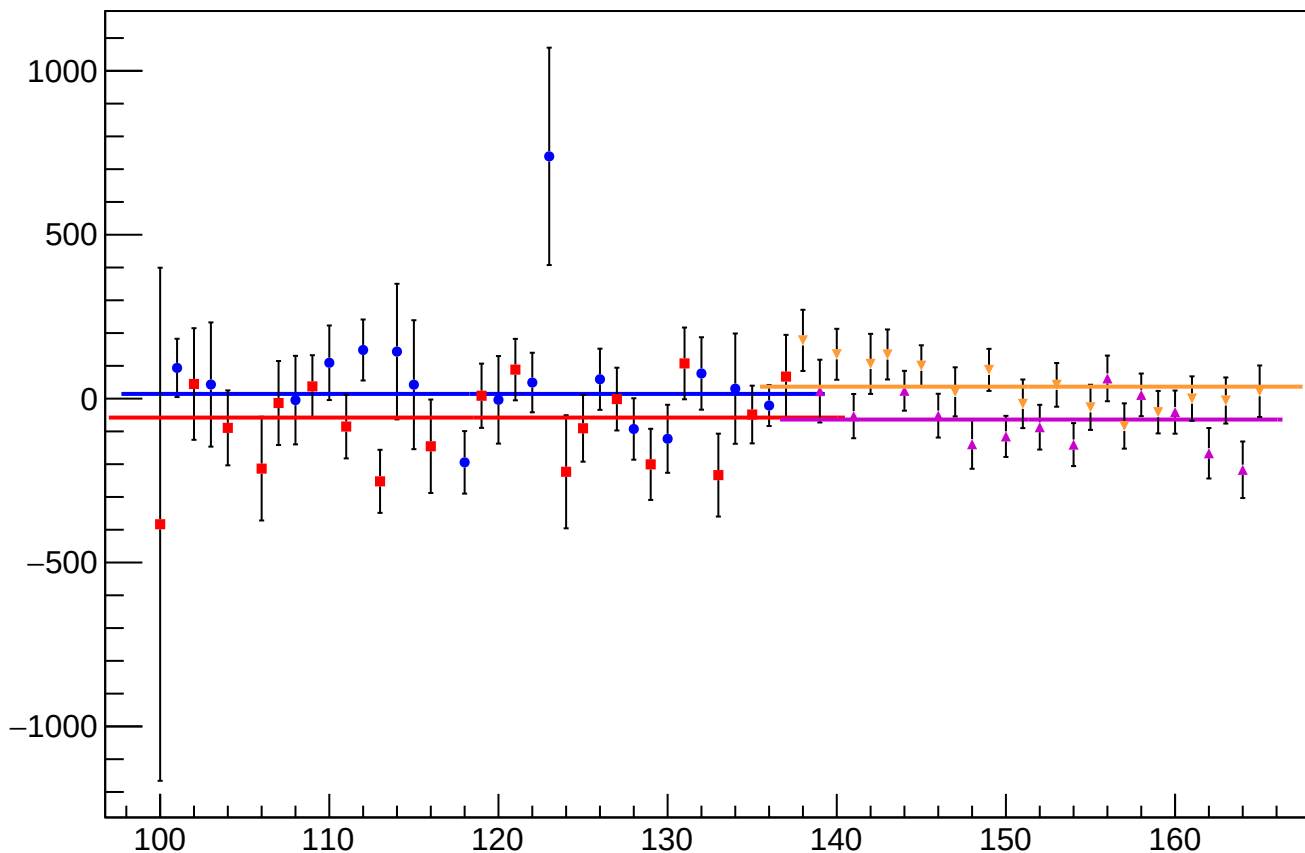
Left In: 200.435 $\pm$ 0.045 χ^2 /NDF: 649072.9/12

+ sign 225.855 $\pm$ 0.040 χ^2 /NDF: 3743116.8/31

All: 227.349 $\pm$ 0.029 χ^2 /NDF: 7825110.4/63

- sign 228.935 $\pm$ 0.041 χ^2 /NDF: 4079141.5/31

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 36.455+/-18.579 χ^2/NDF : 14.4/14

Right Out: -57.795+/-26.121 χ^2/NDF : 18.4/18

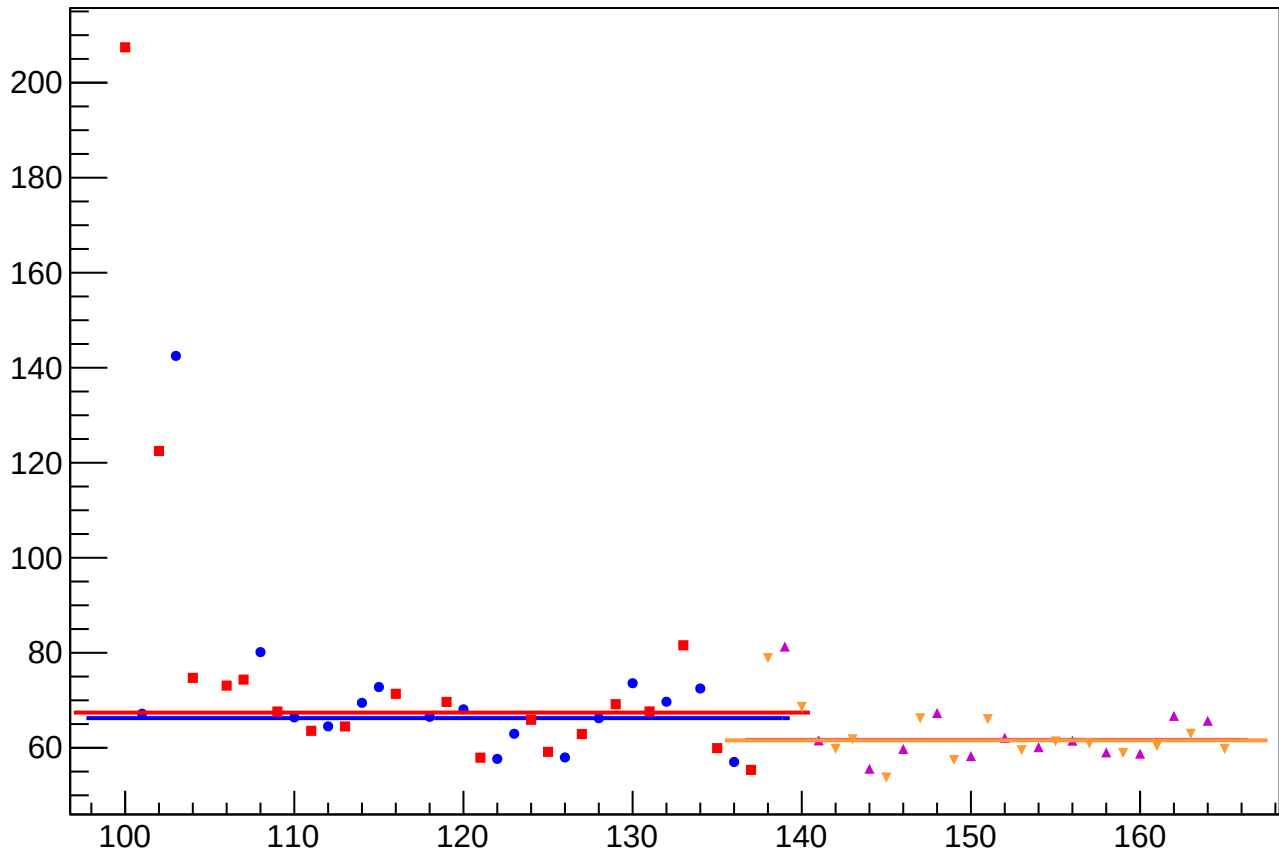
Left In: -63.834+/-19.318 χ^2/NDF : 15.8/12

+ sign 29.120+/-15.181 χ^2/NDF : 32.5/31

All: -15.252+/-10.857 χ^2/NDF : 84.2/63

- sign -61.699+/-15.532 χ^2/NDF : 34.2/31

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 61.579+/-0.013 χ^2/NDF : 148822.4/14

Right Out: 67.415+/-0.018 χ^2/NDF : 393608.5/18

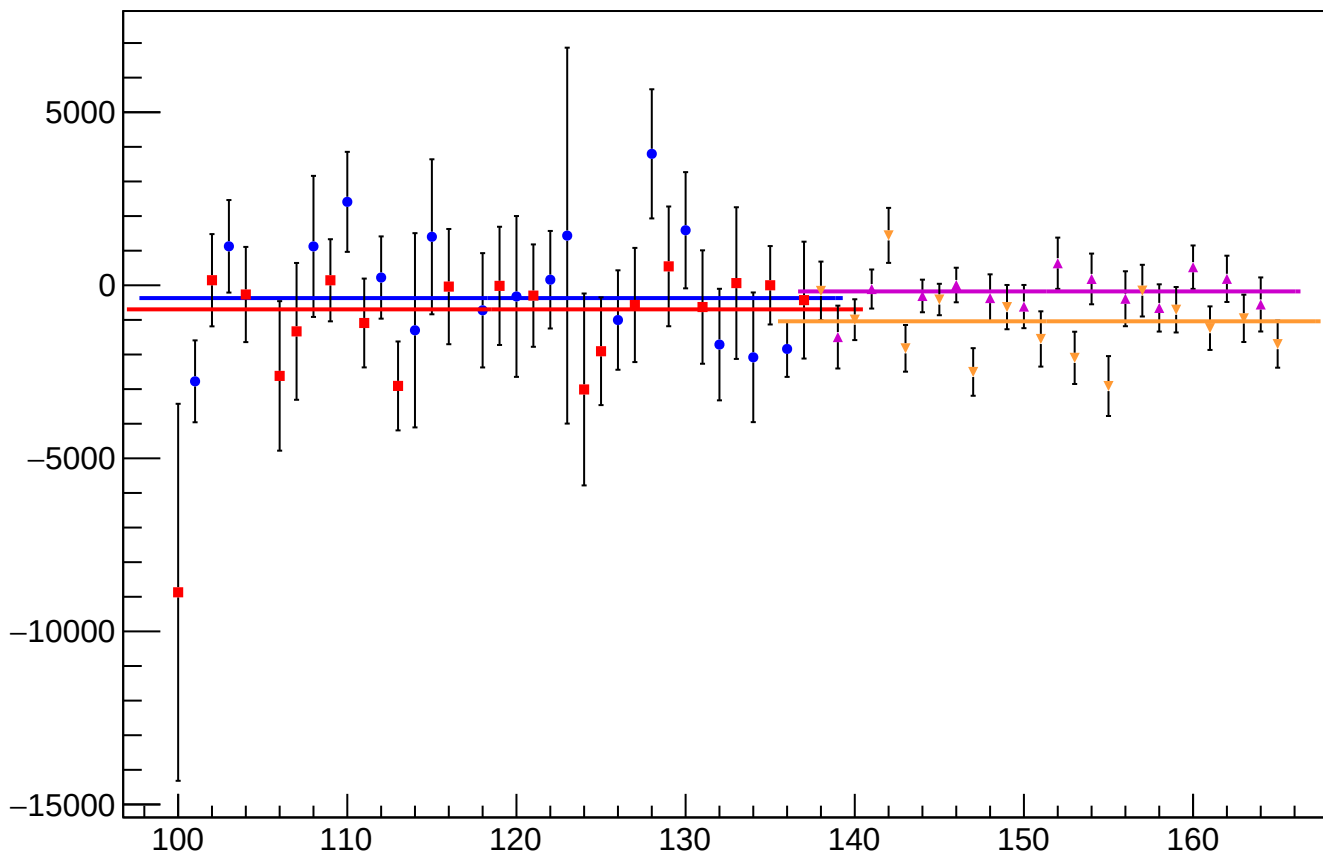
Left In: 61.670+/-0.014 χ^2/NDF : 144433.4/12

+ sign 63.131+/-0.011 χ^2/NDF : 631722.7/31

All: 63.409+/-0.008 χ^2/NDF : 1233689.0/63

- sign 63.701+/-0.011 χ^2/NDF : 600585.3/31

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 ± 366.432 χ^2/NDF : 22.3/16

Left Out: -1040.298 ± 173.933 χ^2/NDF : 28.8/14

Right Out: -695.425 ± 361.887 χ^2/NDF : 9.9/18

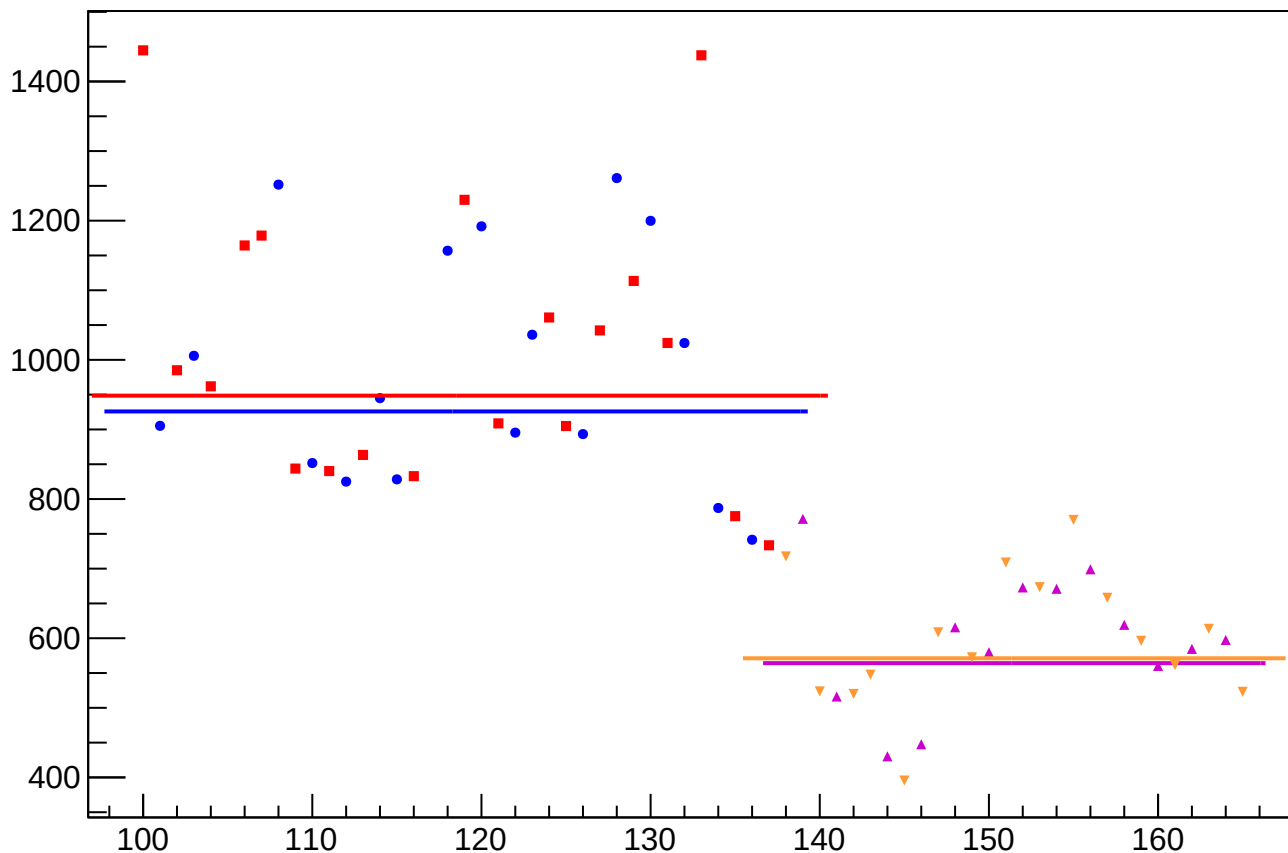
Left In: -176.731 ± 178.458 χ^2/NDF : 6.7/12

+ sign -916.961 ± 157.130 χ^2/NDF : 53.8/31

All: -603.465 ± 112.128 χ^2/NDF : 80.2/63

- sign -278.192 ± 160.055 χ^2/NDF : 18.3/31

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 571.194 $\pm$ 0.123 χ^2 /NDF: 638882.2/14

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

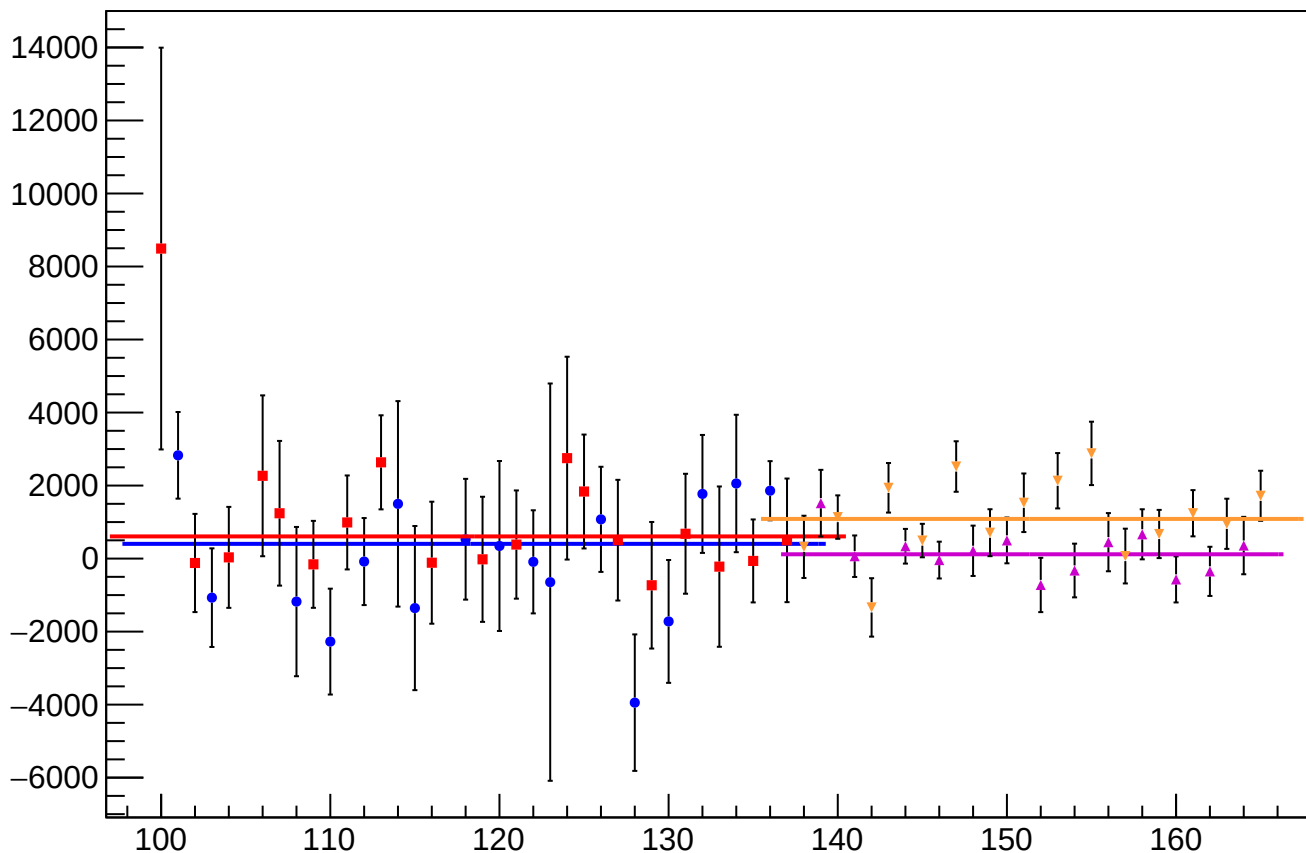
Left In: 564.218 $\pm$ 0.126 χ^2 /NDF: 563868.2/12

+ sign 636.414 $\pm$ 0.111 χ^2 /NDF: 2559283.4/31

All: 637.878 $\pm$ 0.079 χ^2 /NDF: 5319989.4/63

- sign 639.397 $\pm$ 0.113 χ^2 /NDF: 2760352.1/31

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 1086.630+/-175.043 χ^2/NDF : 27.6/14

Right Out: 607.276+/-363.327 χ^2/NDF : 8.8/18

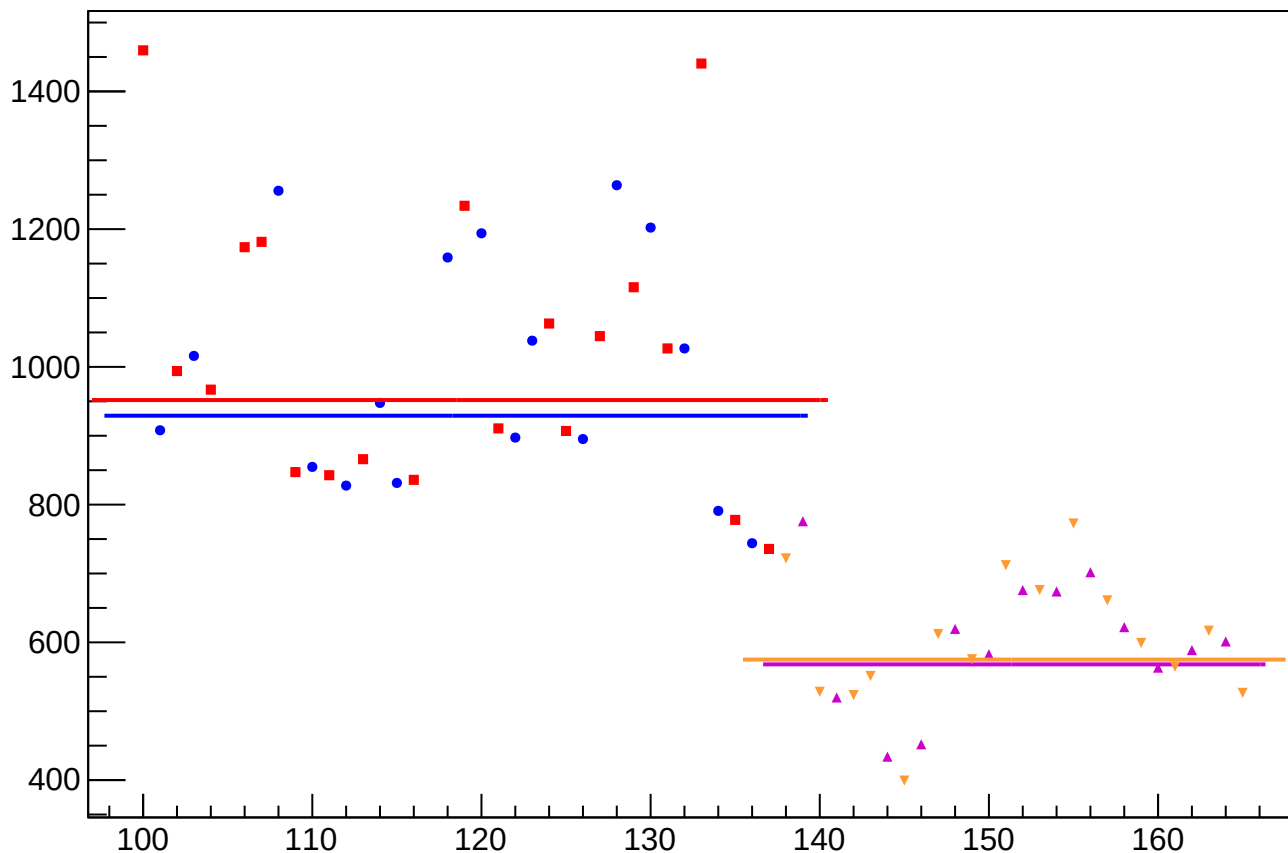
Left In: 117.959+/-179.617 χ^2/NDF : 7.3/12

+ sign 960.428+/-158.047 χ^2/NDF : 52.8/31

All: 594.187+/-112.791 χ^2/NDF : 81.3/63

- sign 214.060+/-161.015 χ^2/NDF : 17.6/31

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 575.002 $\pm$ 0.124 χ^2 /NDF:626468.6/14

Right Out: 951.847 $\pm$ 0.257 χ^2 /NDF: 382219.3/18

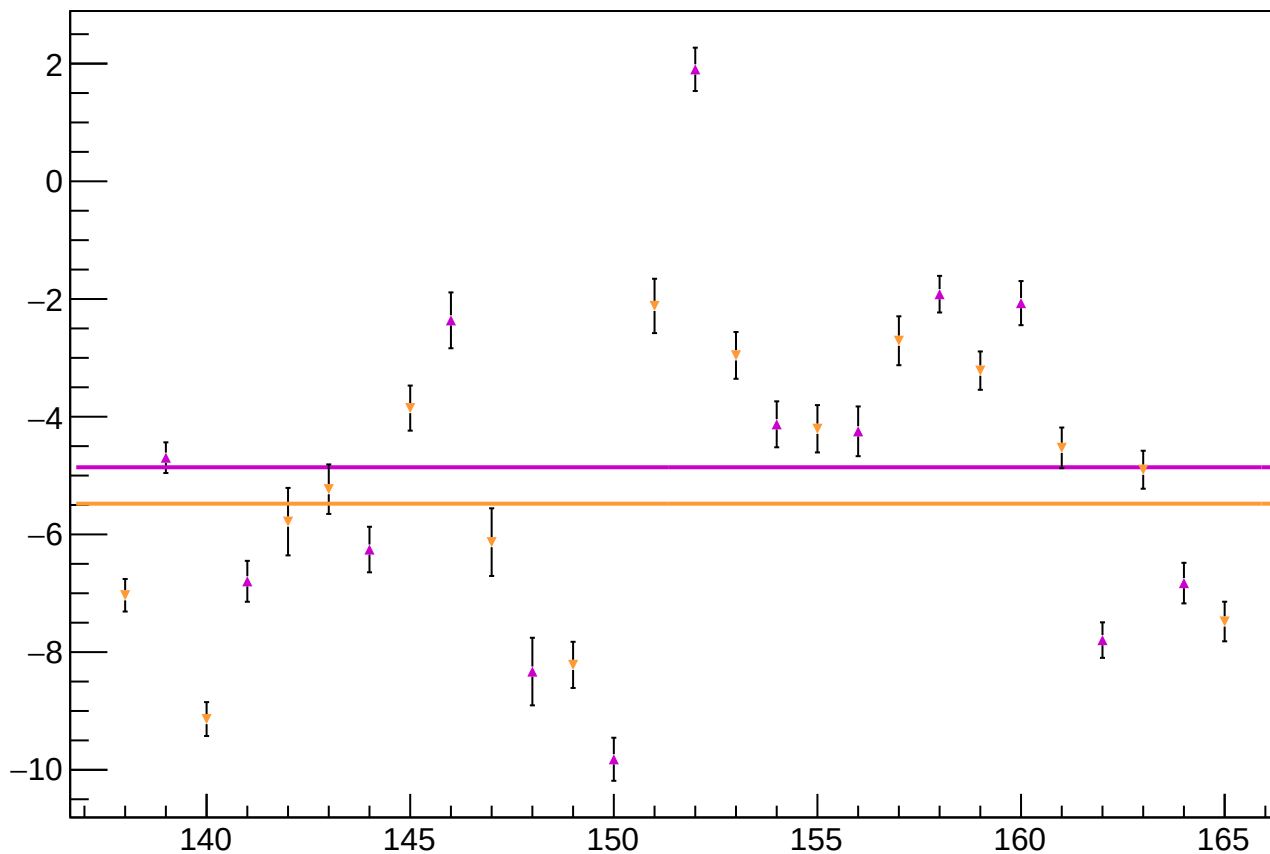
Left In: 568.046 $\pm$ 0.127 χ^2 /NDF:553135.3/12

+ sign 640.426 $\pm$ 0.112 χ^2 /NDF: 2528919.4/31

All: 641.897 $\pm$ 0.080 χ^2 /NDF: 5258060.4/63

- sign 643.424 $\pm$ 0.114 χ^2 /NDF: 2728787.9/31

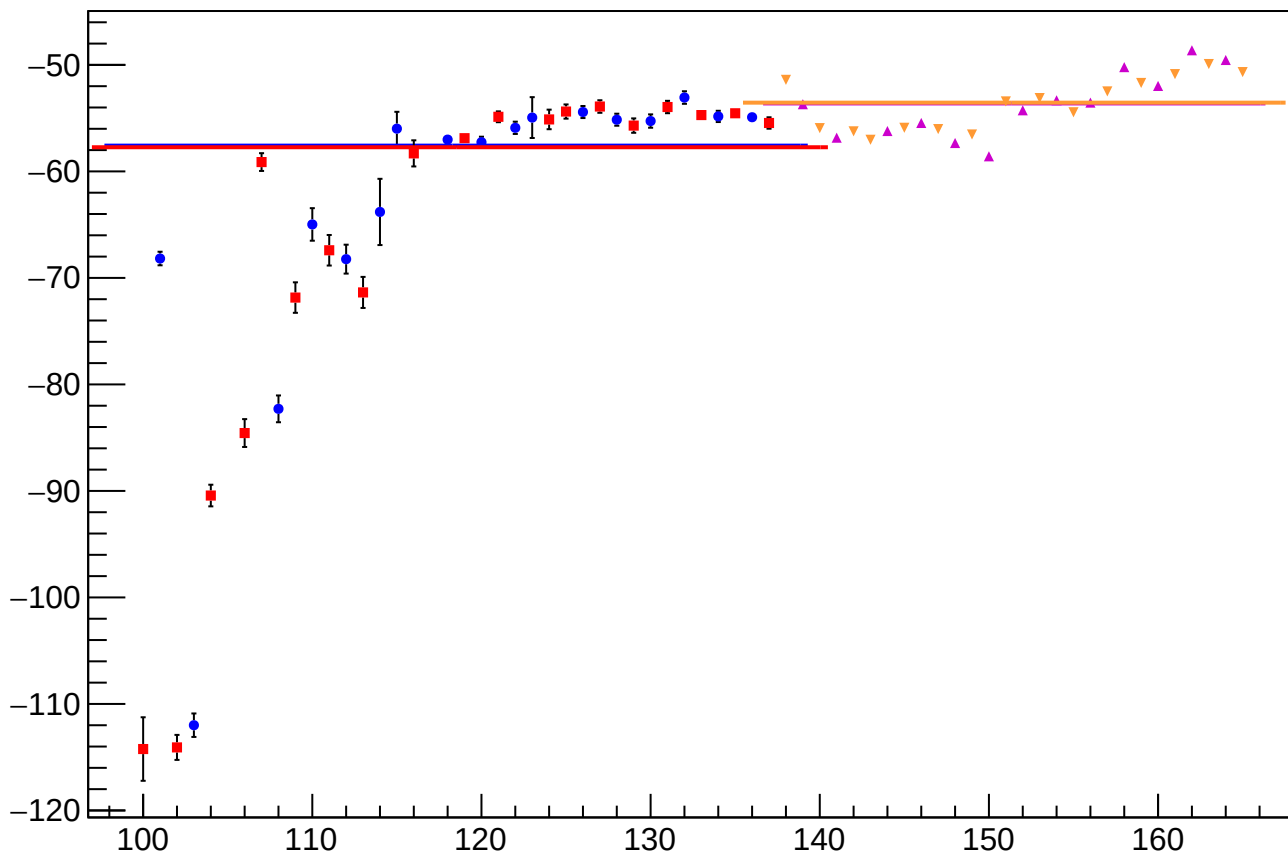
reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -5.478 ± 0.096 χ^2/NDF : 503.5/14
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -4.859 ± 0.100 χ^2/NDF : 907.5/12

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: -5.181 ± 0.069 χ^2/NDF : 1431.1/27
 - 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: -53.546 ± 0.071 χ^2/NDF : 1135.0/14

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

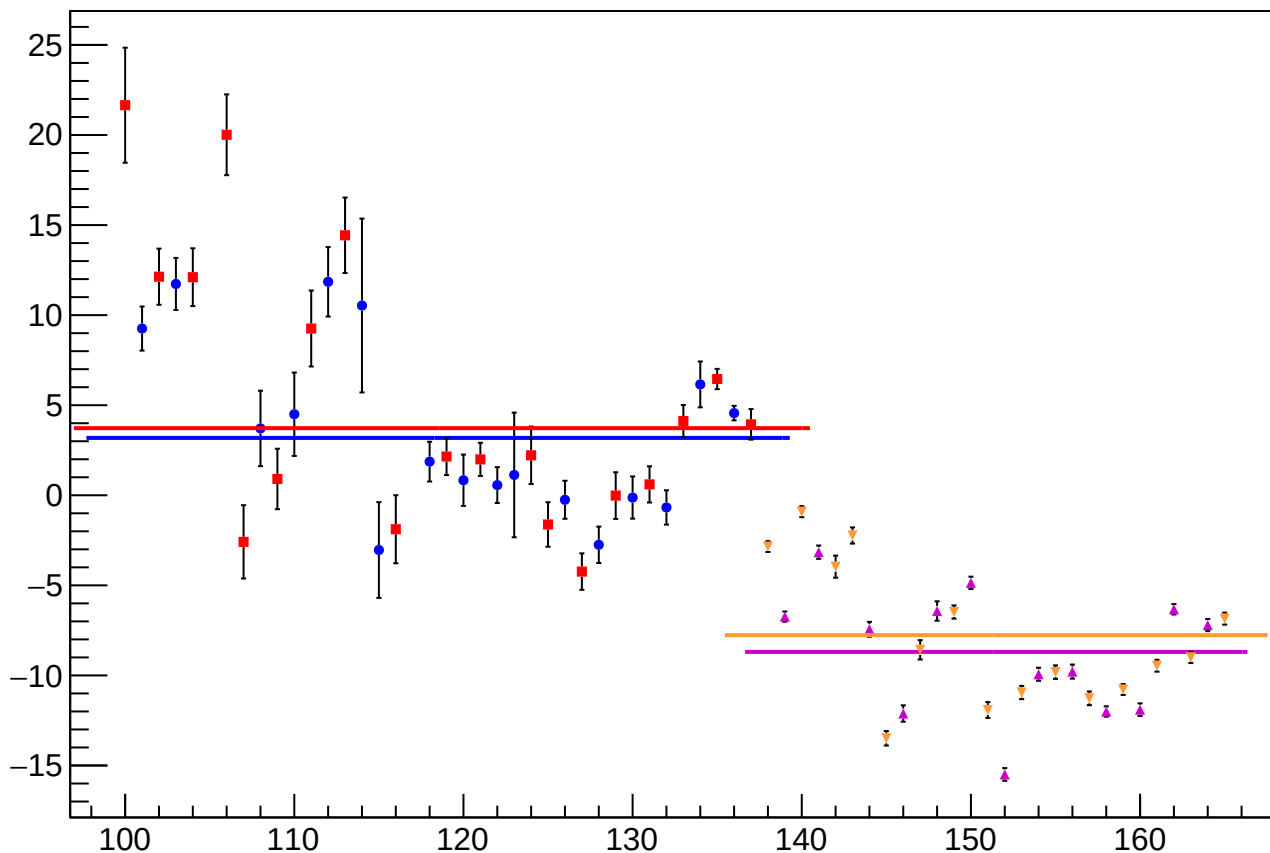
Left In: -53.620 ± 0.075 χ^2/NDF : 1770.5/12

+ sign -54.343 ± 0.064 χ^2/NDF : 5229.0/31

All: -54.423 ± 0.046 χ^2/NDF : 12349.5/63

- sign -54.510 ± 0.067 χ^2/NDF : 7117.1/31

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.763 ± 0.094 χ^2/NDF : 1598.6/14

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

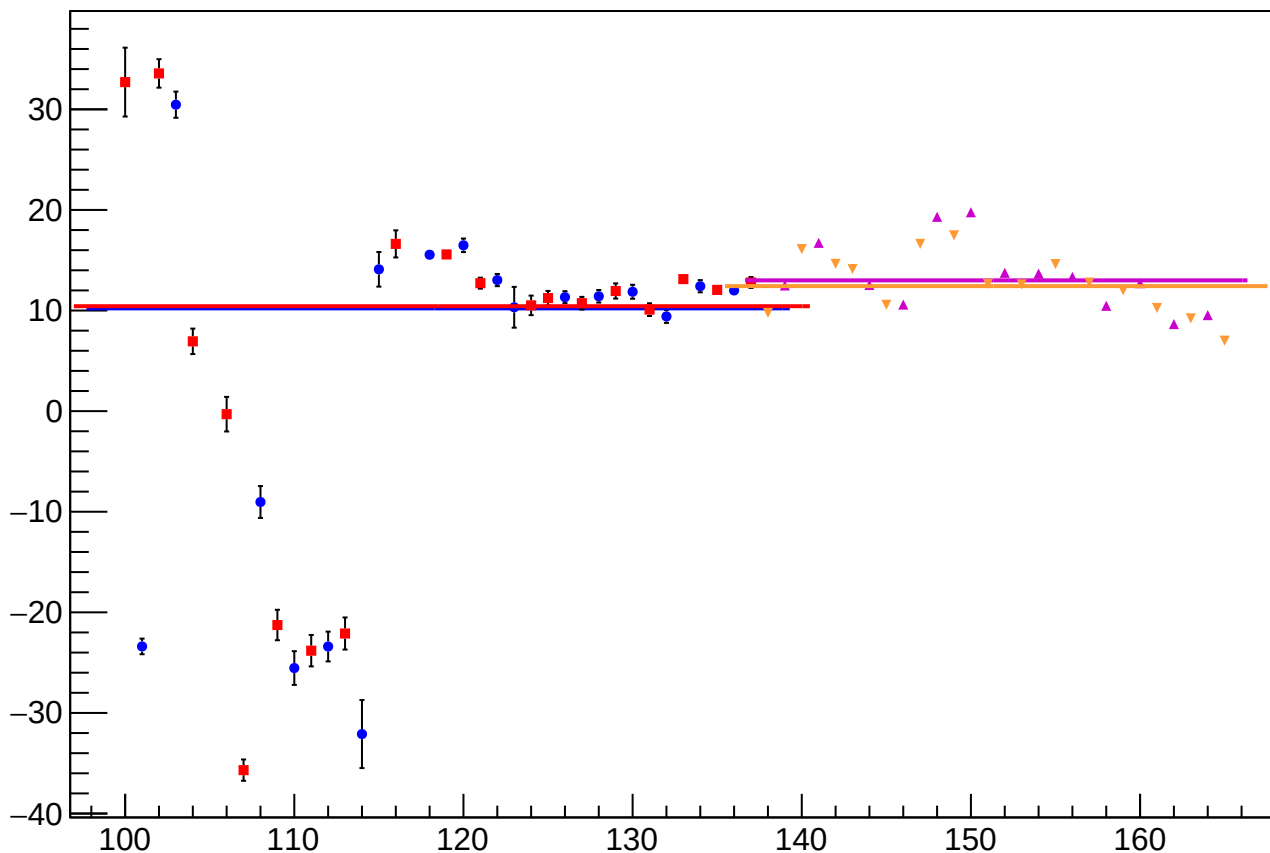
Left In: -8.695 ± 0.097 χ^2/NDF : 1176.8/12

+ sign -6.479 ± 0.089 χ^2/NDF : 3361.7/31

All: -6.850 ± 0.064 χ^2/NDF : 6802.7/63

- sign -7.245 ± 0.091 χ^2/NDF : 3404.8/31

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 12.427 $\pm$ 0.081 χ^2 /NDF:1270.1/14

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

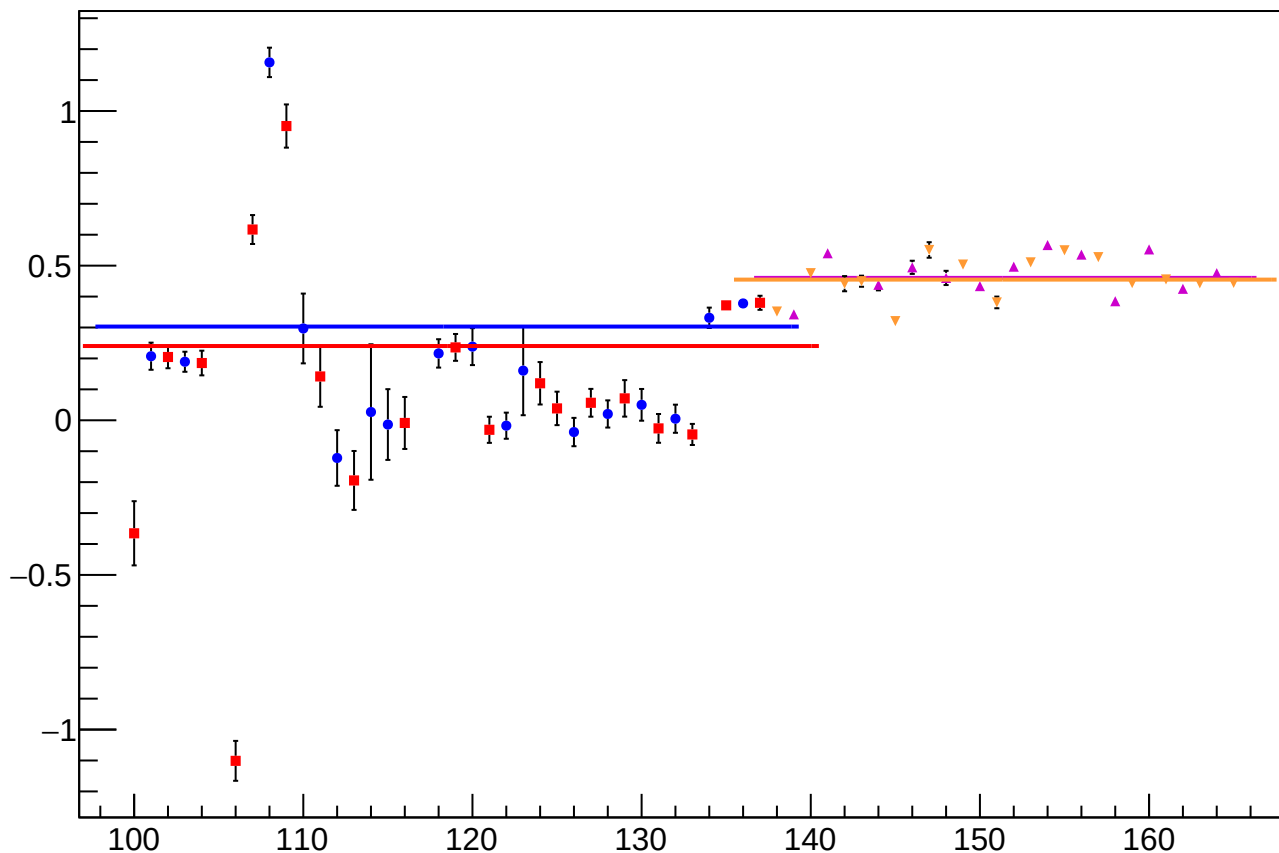
Left In: 13.000 $\pm$ 0.085 χ^2 /NDF:1565.7/12

+ sign 11.968 $\pm$ 0.072 χ^2 /NDF: 5118.0/31

All: 12.193 $\pm$ 0.052 χ^2 /NDF: 10732.2/63

- sign 12.436 $\pm$ 0.075 χ^2 /NDF: 5594.0/31

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.455 ± 0.004 χ^2/NDF : 299.7/14

Right Out: 0.240 ± 0.009 χ^2/NDF : 984.4/18

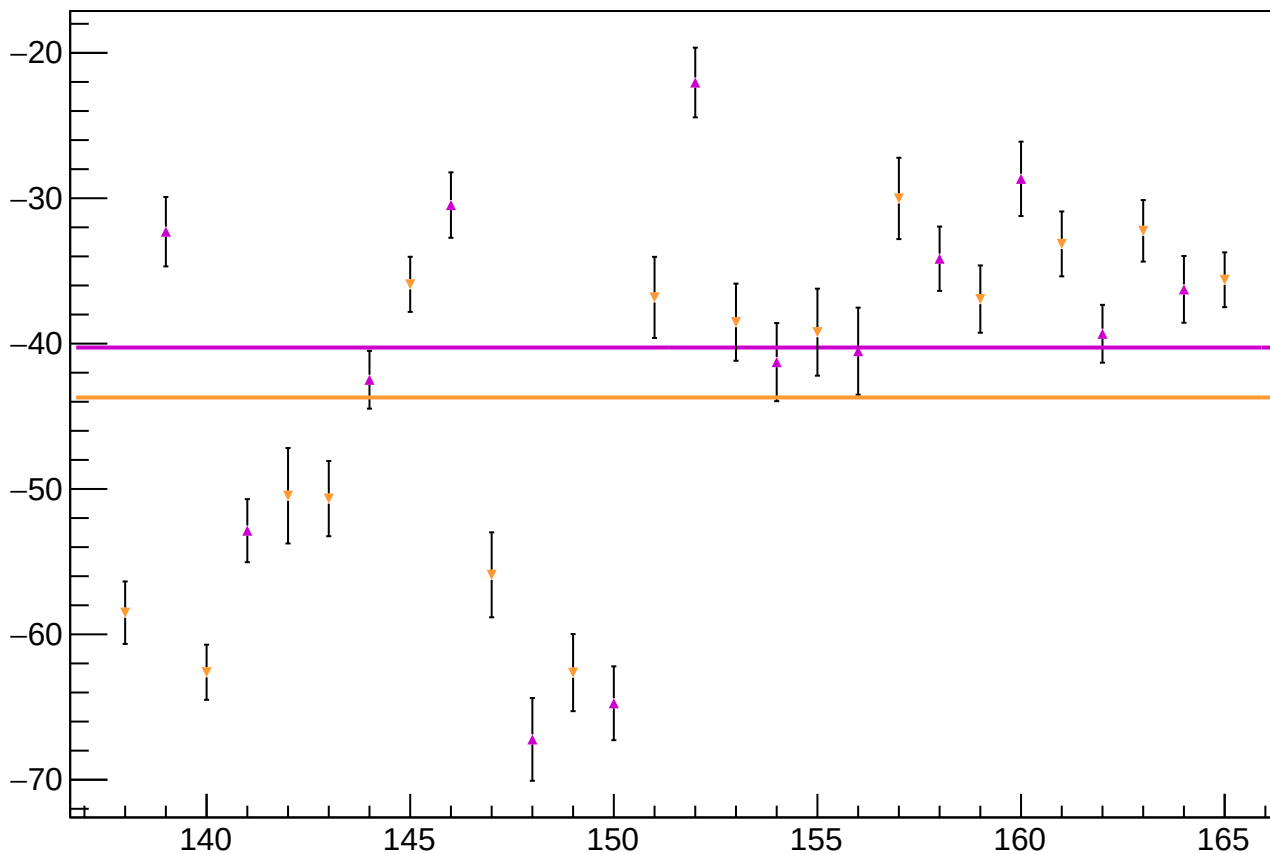
Left In: 0.460 ± 0.004 χ^2/NDF : 404.5/12

+ sign 0.430 ± 0.003 χ^2/NDF : 1231.0/31

All: 0.427 ± 0.002 χ^2/NDF : 3181.3/63

- sign 0.425 ± 0.003 χ^2/NDF : 1949.4/31

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -43.705 $\pm$ 0.611 χ^2 /NDF: 358.5/14

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

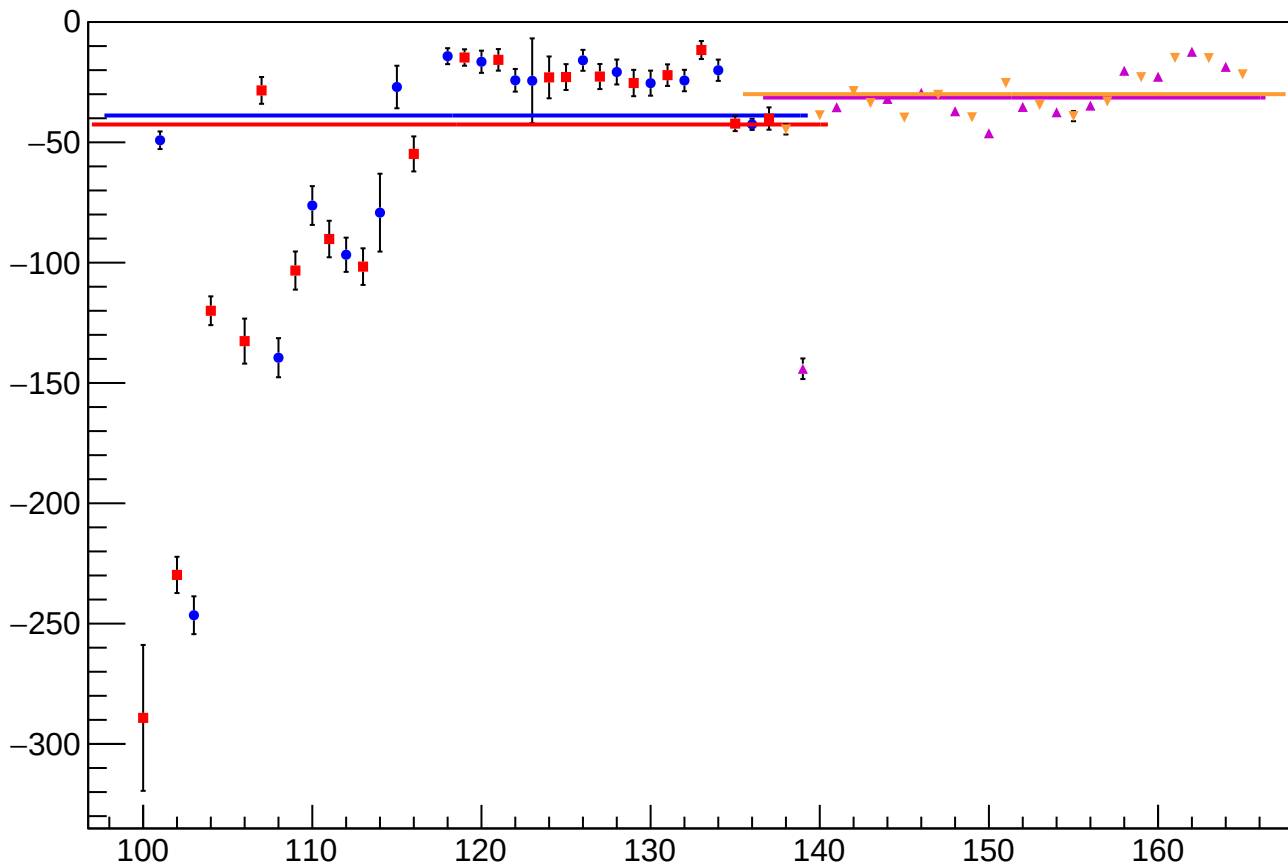
Left In: -40.270 $\pm$ 0.654 χ^2 /NDF: 337.1/12

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

All: -42.103 $\pm$ 0.446 χ^2 /NDF: 710.3/27

- 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 χ^2/NDF : 1121.9/16

Left Out: -29.982 ± 0.438 χ^2/NDF : 418.7/14

Right Out: -42.586 ± 1.210 χ^2/NDF : 1345.7/18

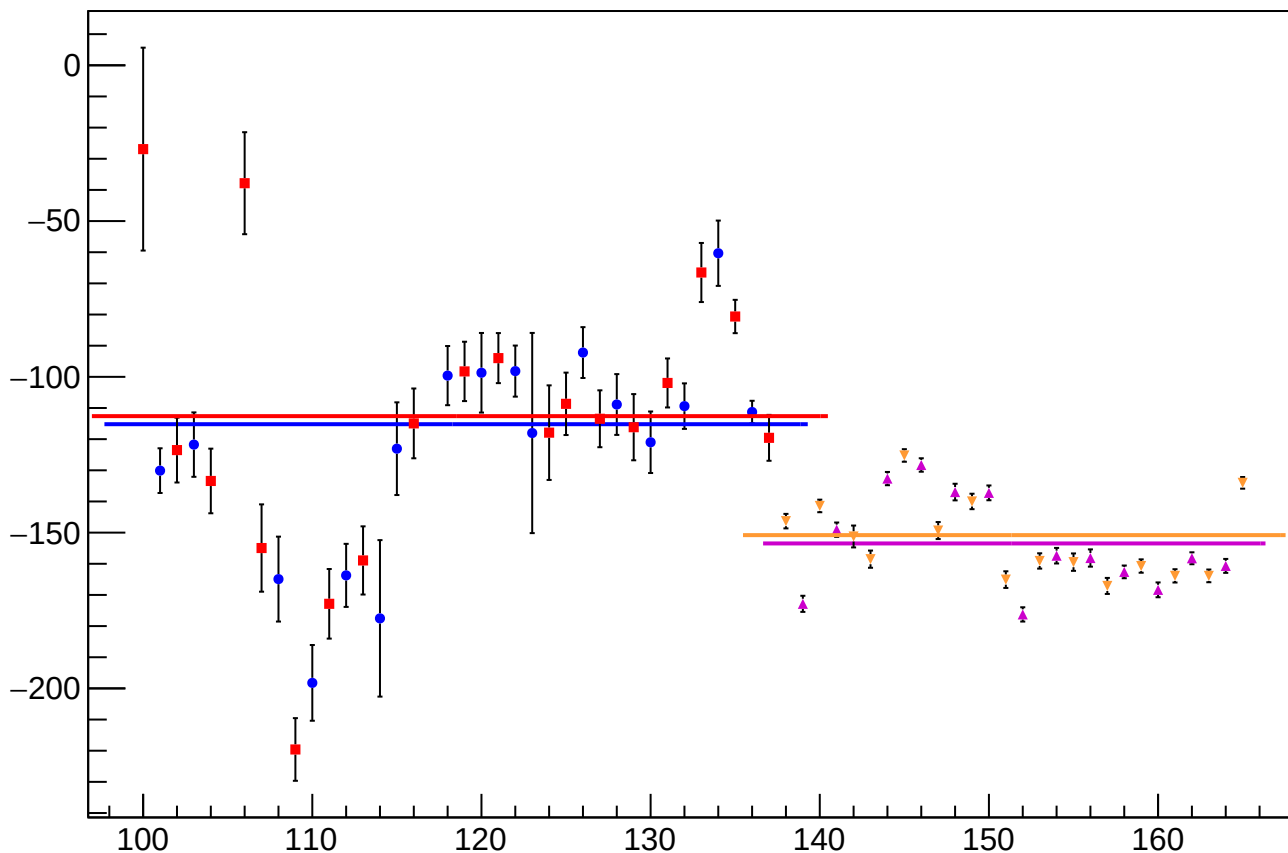
Left In: -31.393 ± 0.464 χ^2/NDF : 1080.0/12

+ sign -31.107 ± 0.409 χ^2/NDF : 1592.6/31

All: -31.918 ± 0.297 χ^2/NDF : 4101.2/63

- sign -32.827 ± 0.433 χ^2/NDF : 2500.3/31

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -150.803 ± 0.605 $\chi^2/\text{NDF}: 483.0/14$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

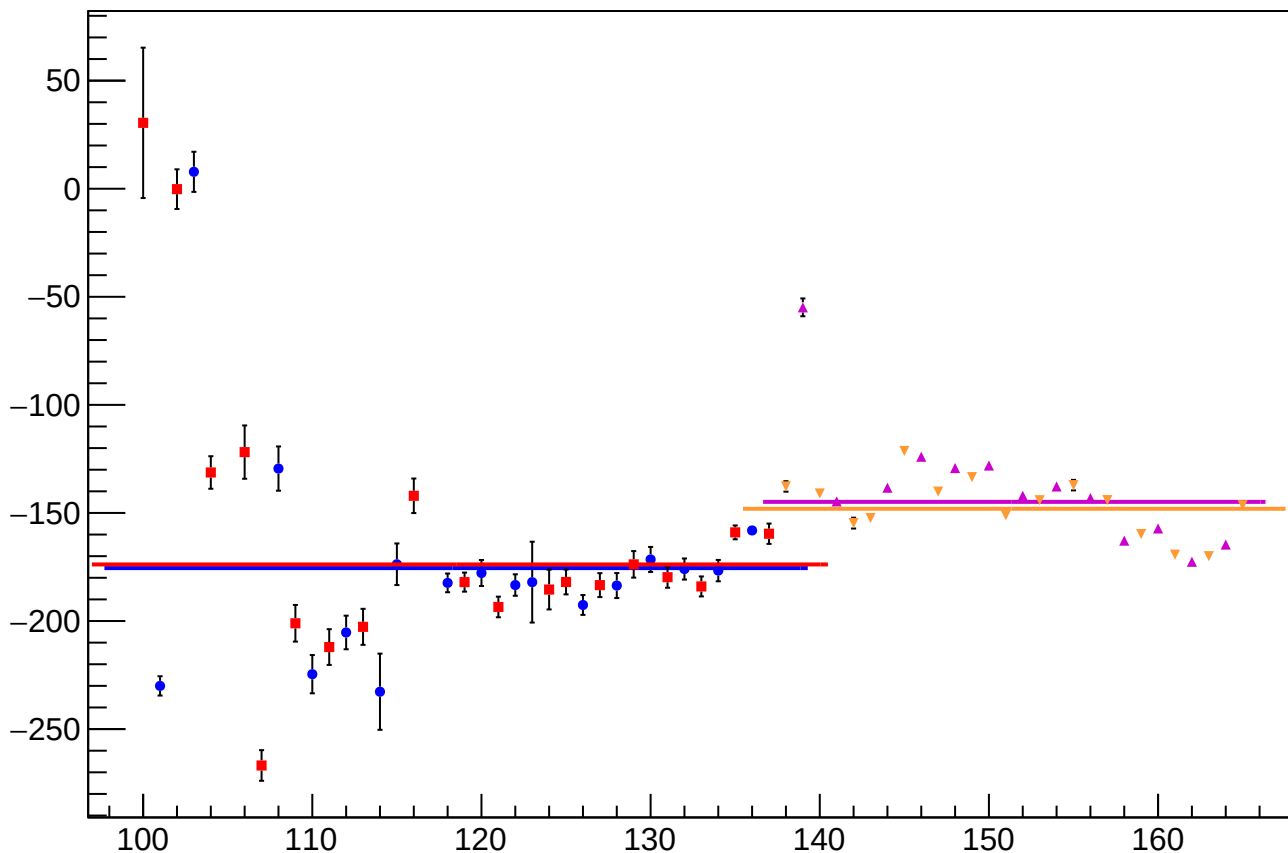
Left In: -153.472 ± 0.638 $\chi^2/\text{NDF}: 556.2/12$

+ sign -148.028 ± 0.581 $\chi^2/\text{NDF}: 893.5/31$

All: -149.118 ± 0.422 $\chi^2/\text{NDF}: 2045.3/63$

- sign -150.330 ± 0.613 $\chi^2/\text{NDF}: 1144.3/31$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 $\chi^2/\text{NDF}: 692.3/16$

Left Out: -148.069 ± 0.506 $\chi^2/\text{NDF}: 751.1/14$

Right Out: -173.830 ± 1.357 $\chi^2/\text{NDF}: 737.9/18$

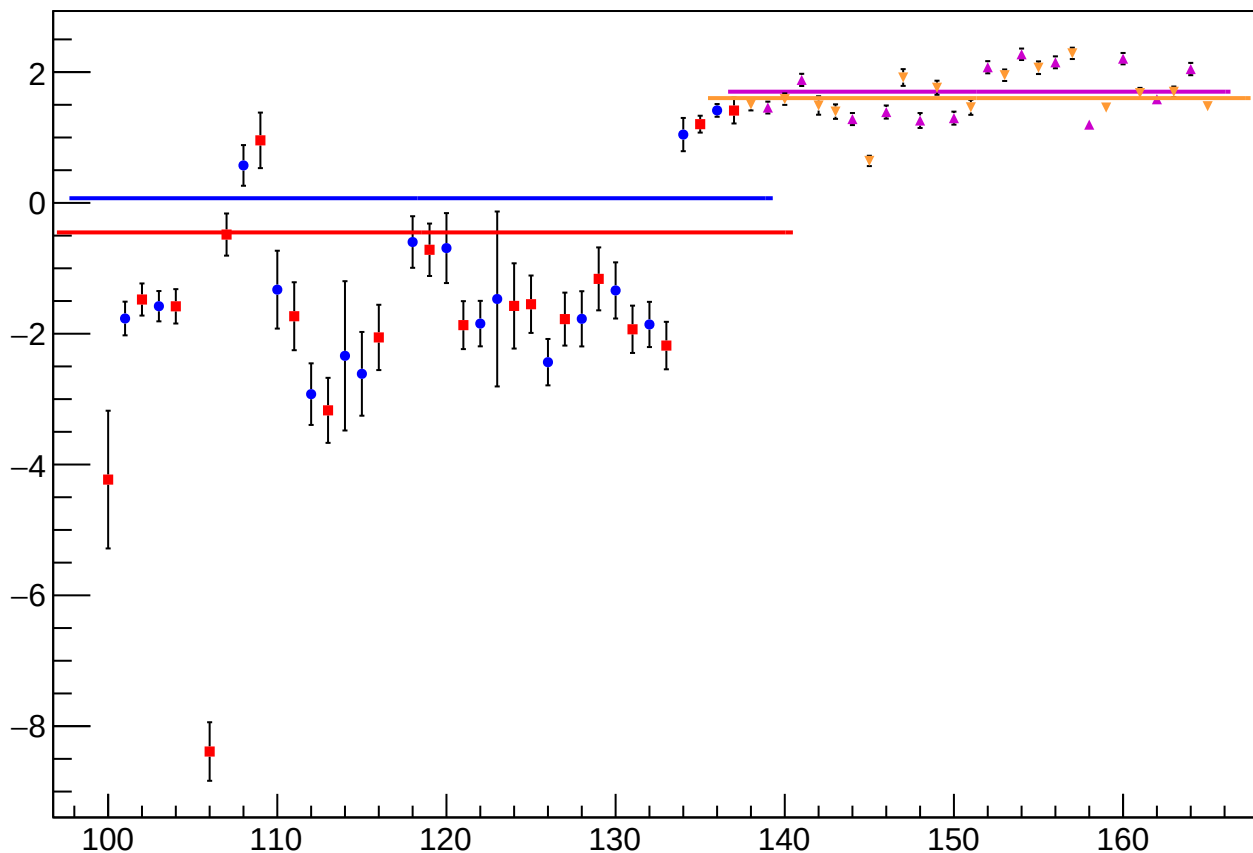
Left In: -144.873 ± 0.537 $\chi^2/\text{NDF}: 1330.8/12$

+ sign -151.799 ± 0.471 $\chi^2/\text{NDF}: 1842.7/31$

All: -150.385 ± 0.343 $\chi^2/\text{NDF}: 4324.5/63$

- sign -148.795 ± 0.499 $\chi^2/\text{NDF}: 2462.7/31$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.602 ± 0.024 χ^2/NDF : 271.8/14

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

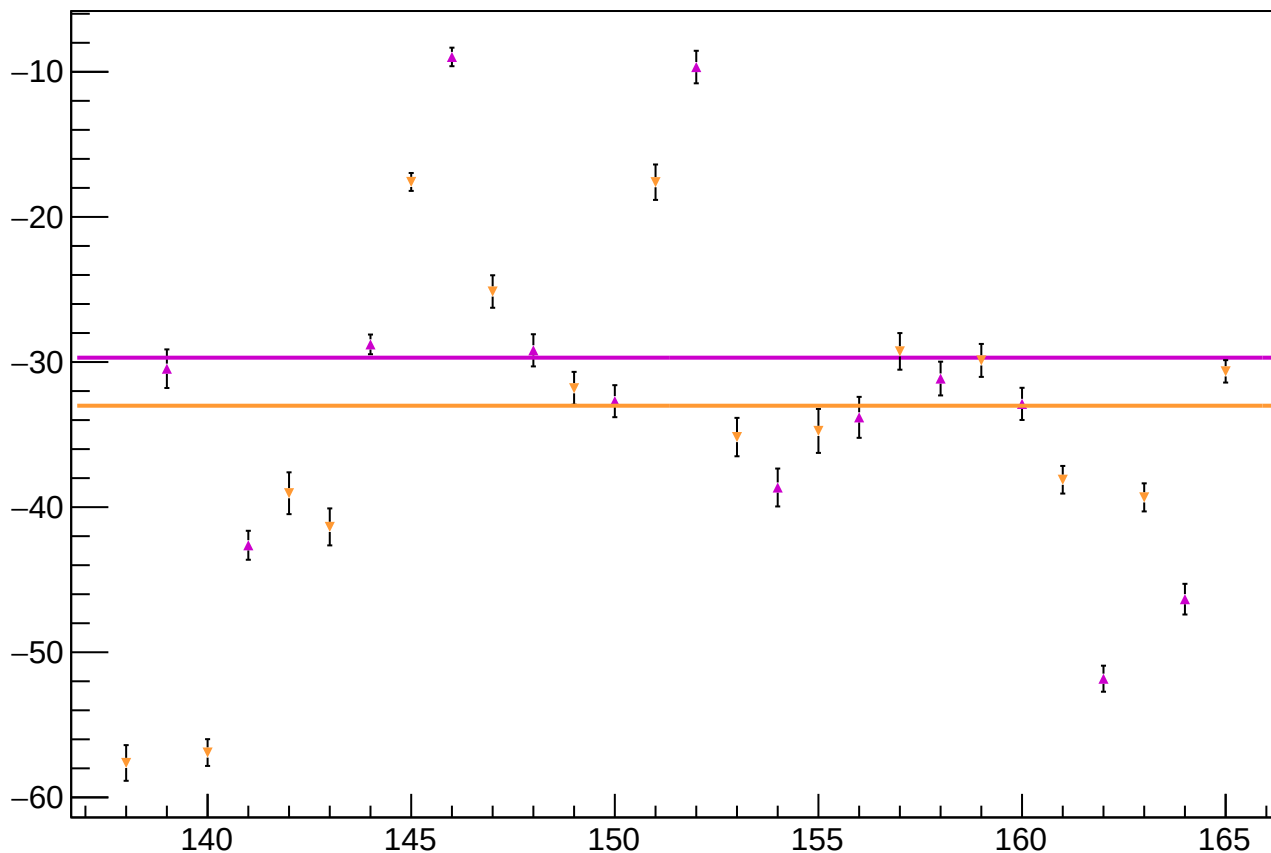
Left In: 1.700 ± 0.025 χ^2/NDF : 252.0/12

+ sign 1.432 ± 0.022 χ^2/NDF : 1259.1/31

All: 1.448 ± 0.016 χ^2/NDF : 3073.8/63

- sign 1.465 ± 0.024 χ^2/NDF : 1813.7/31

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -33.009+/-0.267 χ^2/NDF : 2067.6/14

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

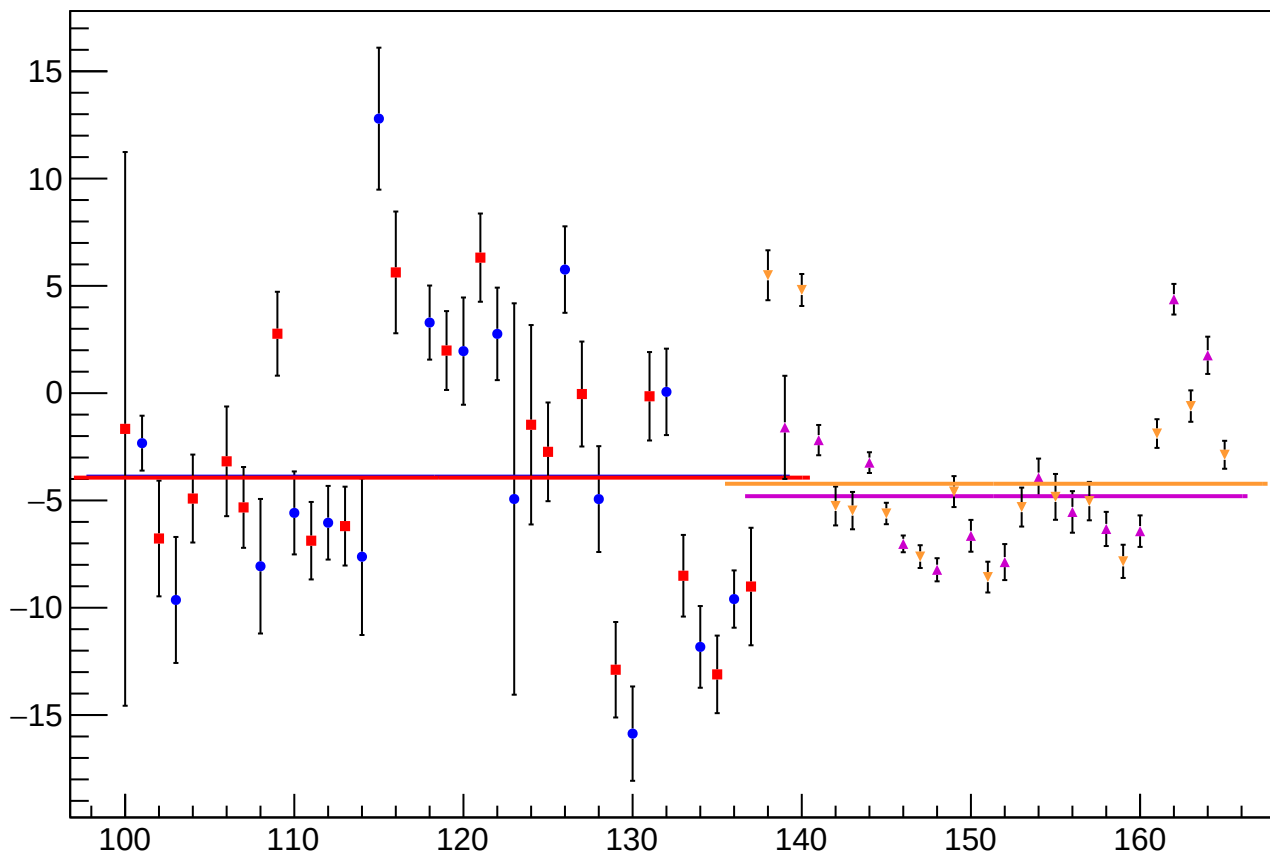
Left In: -29.699+/-0.273 χ^2/NDF : 2470.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.395+/-0.191 χ^2/NDF : 4613.0/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 $\pm$ 0.498 χ^2/NDF : 160.5/16

Left Out: -4.222 $\pm$ 0.189 χ^2/NDF : 370.9/14

Right Out: -3.937 $\pm$ 0.507 χ^2/NDF : 122.2/18

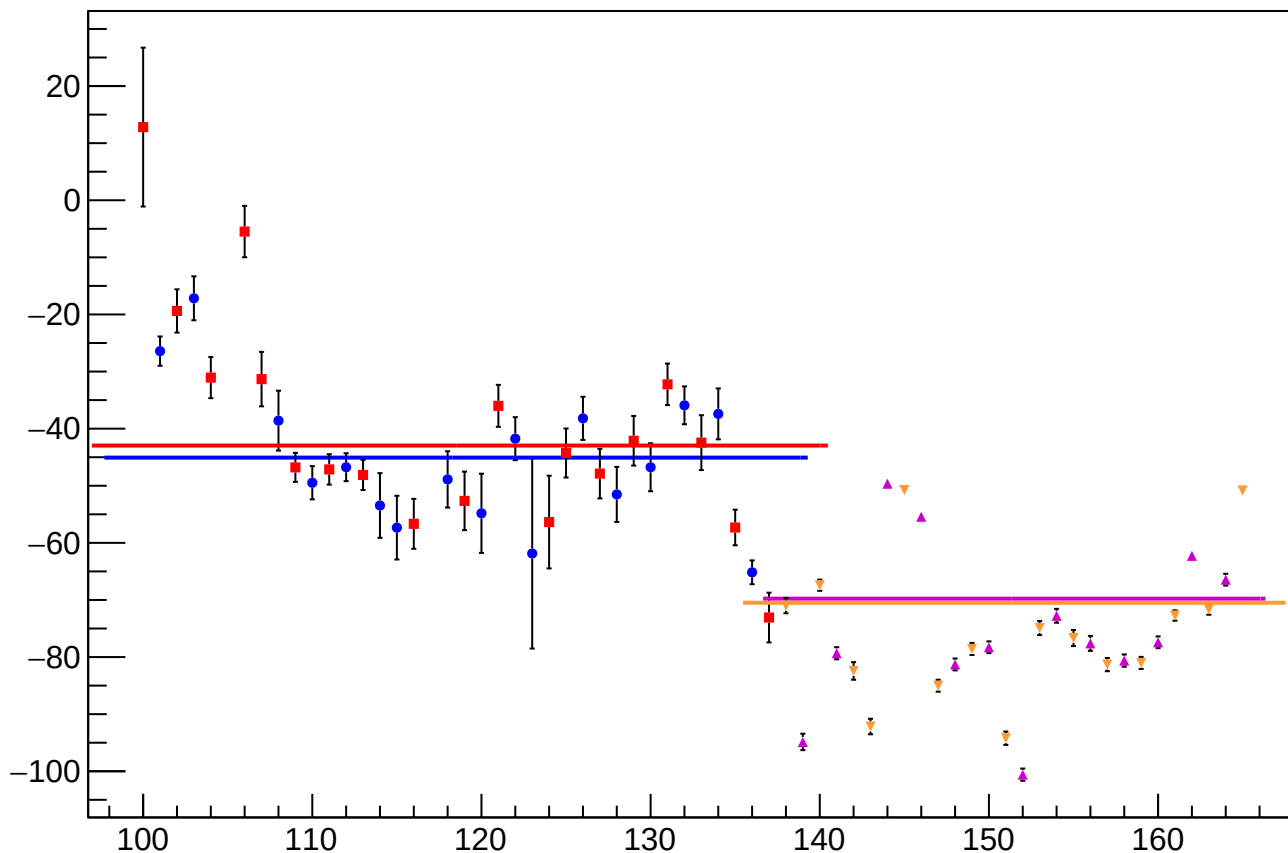
Left In: -4.801 $\pm$ 0.186 χ^2/NDF : 351.1/12

+ sign -4.181 $\pm$ 0.177 χ^2/NDF : 531.8/31

All: -4.442 $\pm$ 0.124 χ^2/NDF : 1011.9/63

- sign -4.698 $\pm$ 0.175 χ^2/NDF : 475.8/31

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -70.488 ± 0.265 χ^2/NDF : 2776.3/14

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

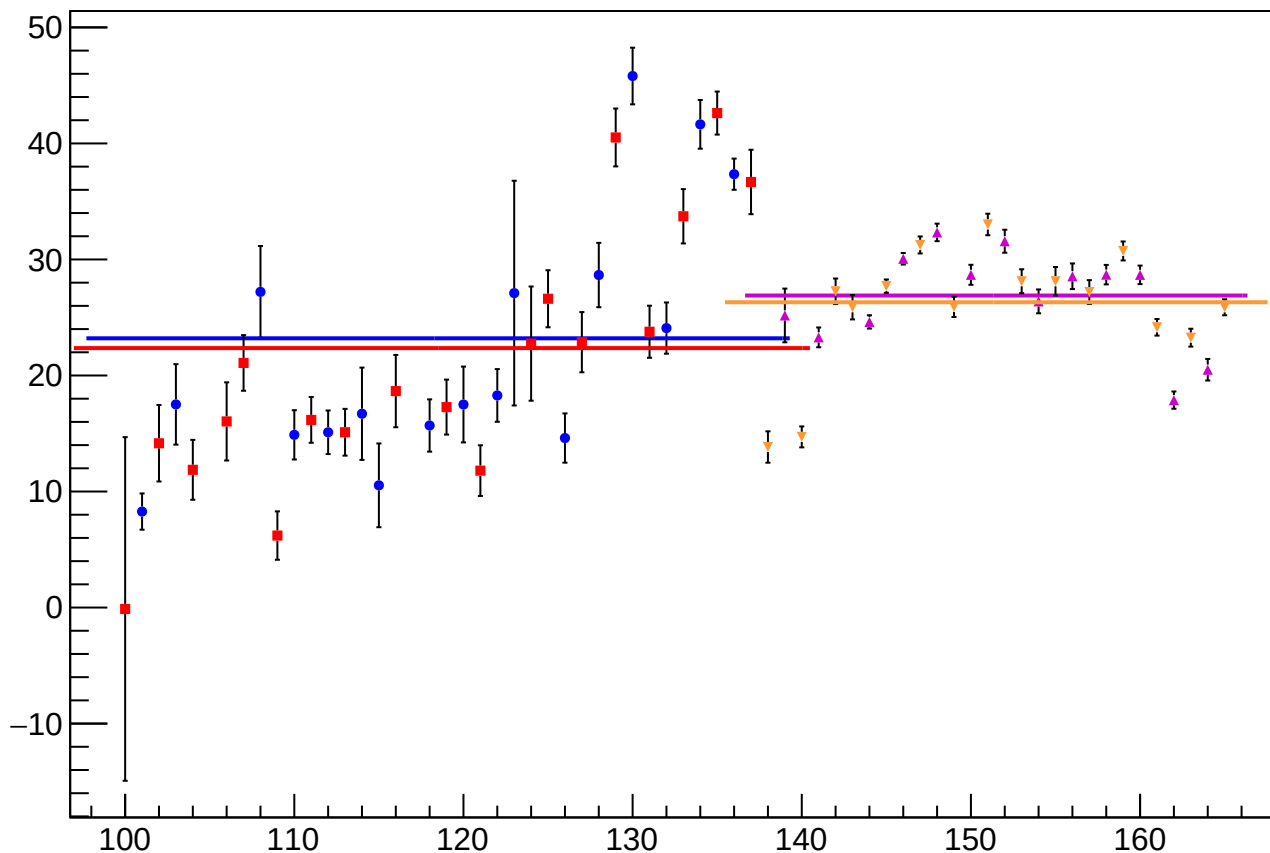
Left In: -69.772 ± 0.267 χ^2/NDF : 2998.7/12

+ sign -68.395 ± 0.253 χ^2/NDF : 3765.8/31

All: -67.950 ± 0.180 χ^2/NDF : 7872.8/63

- sign -67.498 ± 0.256 χ^2/NDF : 4100.8/31

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2/NDF : 457.3/16

Left Out: 26.315 $\pm$ 0.220 χ^2/NDF : 415.5/14

Right Out: 22.361 $\pm$ 0.573 χ^2/NDF : 366.9/18

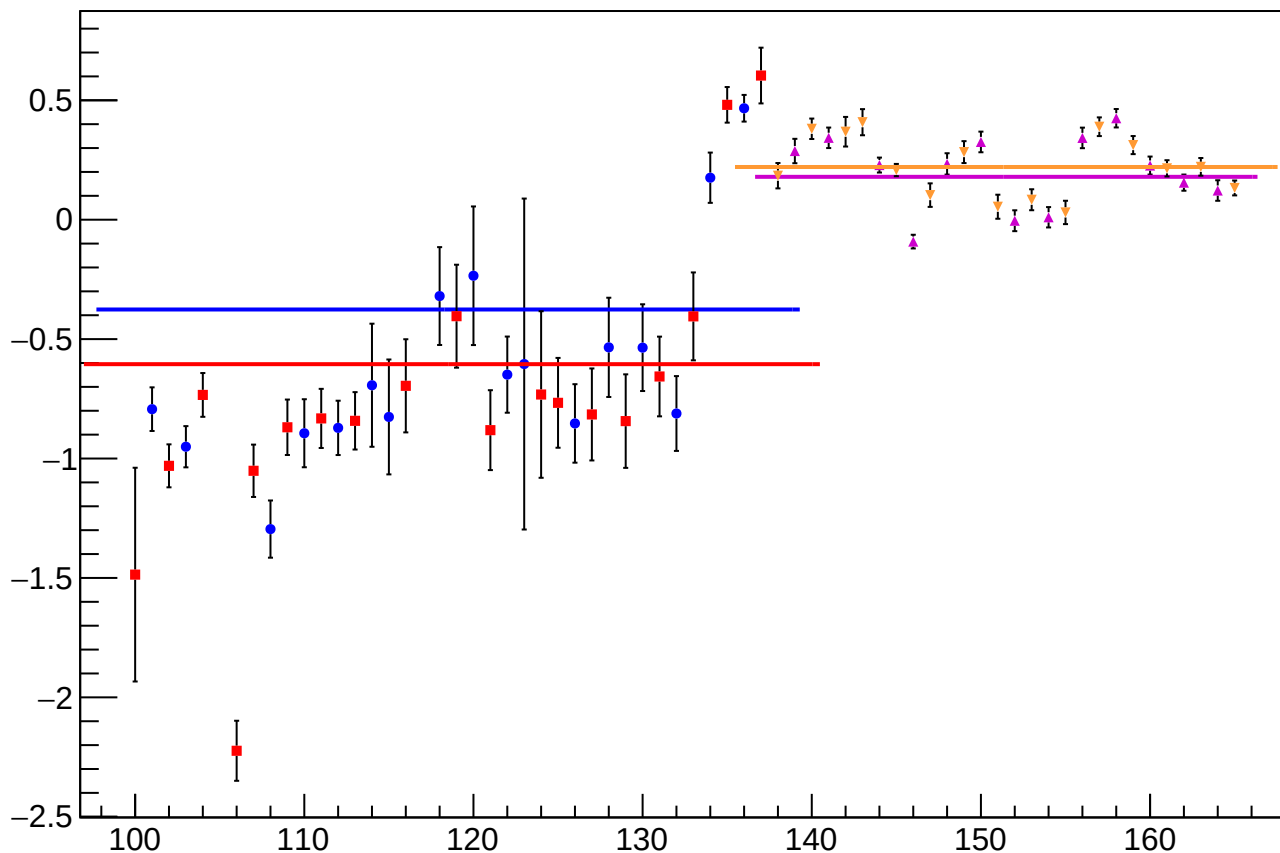
Left In: 26.892 $\pm$ 0.221 χ^2/NDF : 359.8/12

+ sign 25.897 $\pm$ 0.205 χ^2/NDF : 899.6/31

All: 26.100 $\pm$ 0.145 χ^2/NDF : 1682.8/63

- sign 26.305 $\pm$ 0.206 χ^2/NDF : 781.2/31

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 χ^2/NDF : 437.3/16

Left Out: 0.221 ± 0.010 χ^2/NDF : 107.9/14

Right Out: -0.605 ± 0.030 χ^2/NDF : 551.1/18

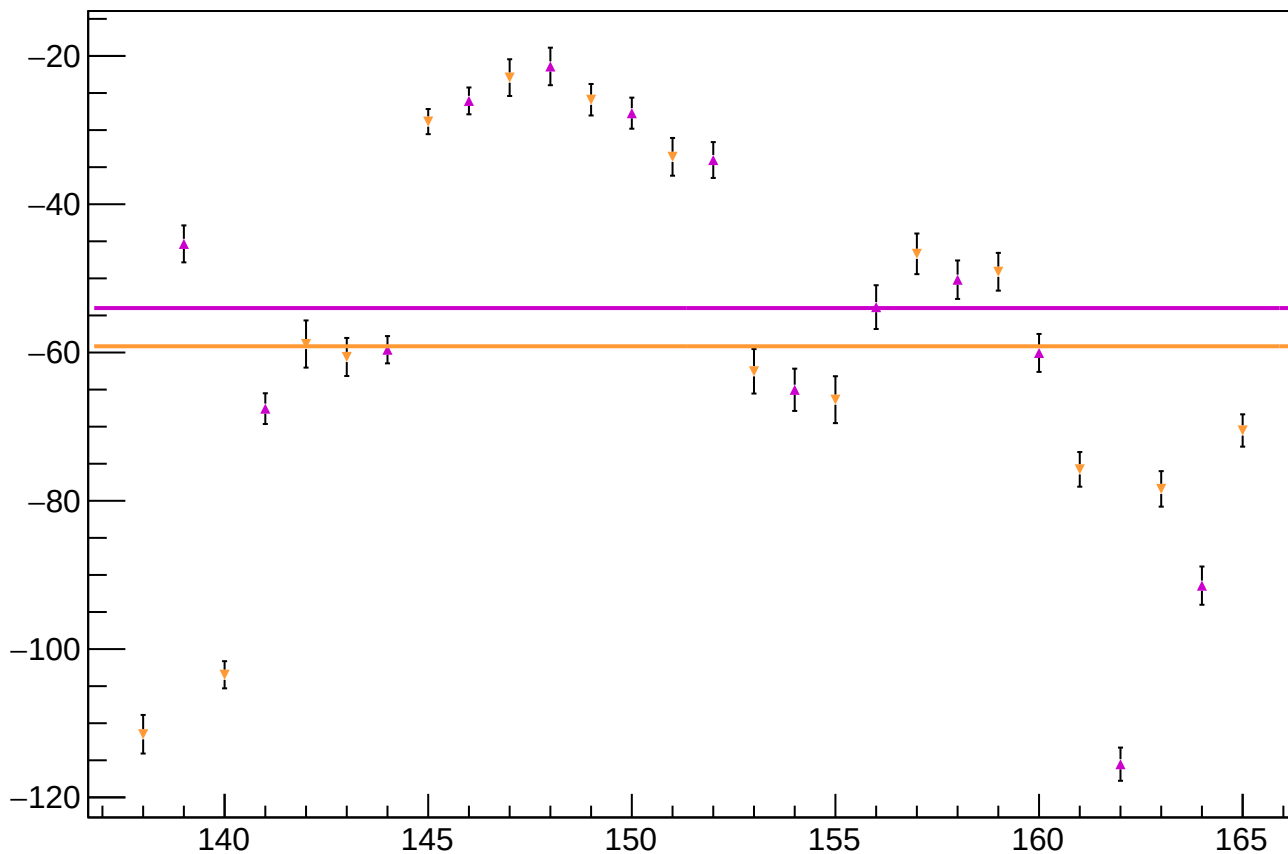
Left In: 0.180 ± 0.011 χ^2/NDF : 216.0/12

+ sign 0.157 ± 0.010 χ^2/NDF : 895.6/31

All: 0.125 ± 0.007 χ^2/NDF : 2282.0/63

- sign 0.091 ± 0.010 χ^2/NDF : 1364.8/31

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -59.158 +/- 0.614 χ^2 /NDF: 2052.6/14

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

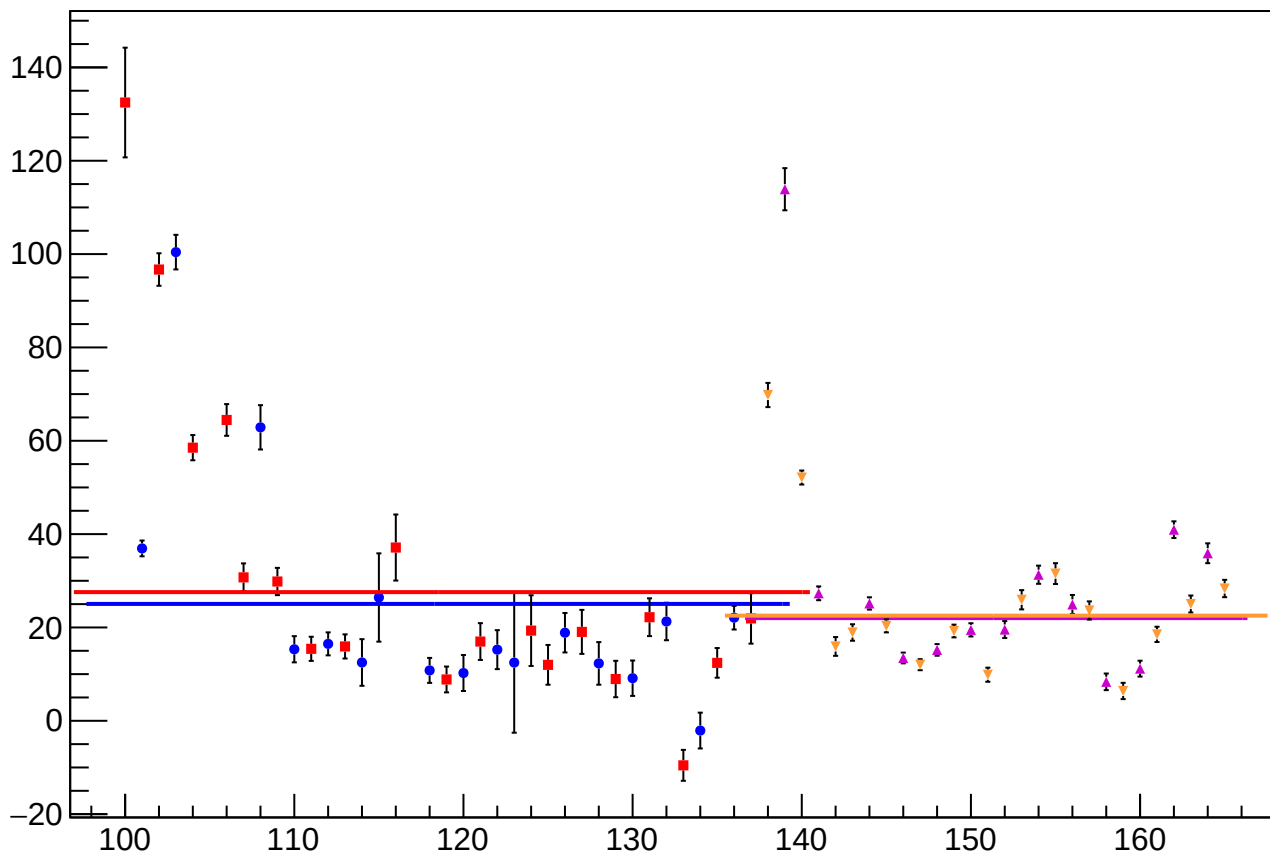
Left In: -54.004 +/- 0.640 χ^2 /NDF: 1681.7/12

+ sign 0.000 +/- 0.000 χ^2 /NDF: 0.0/0

All: -56.688 +/- 0.443 χ^2 /NDF: 3768.1/27

- 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: 22.534 $\pm$ 0.432 χ^2 /NDF:1016.6/14

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

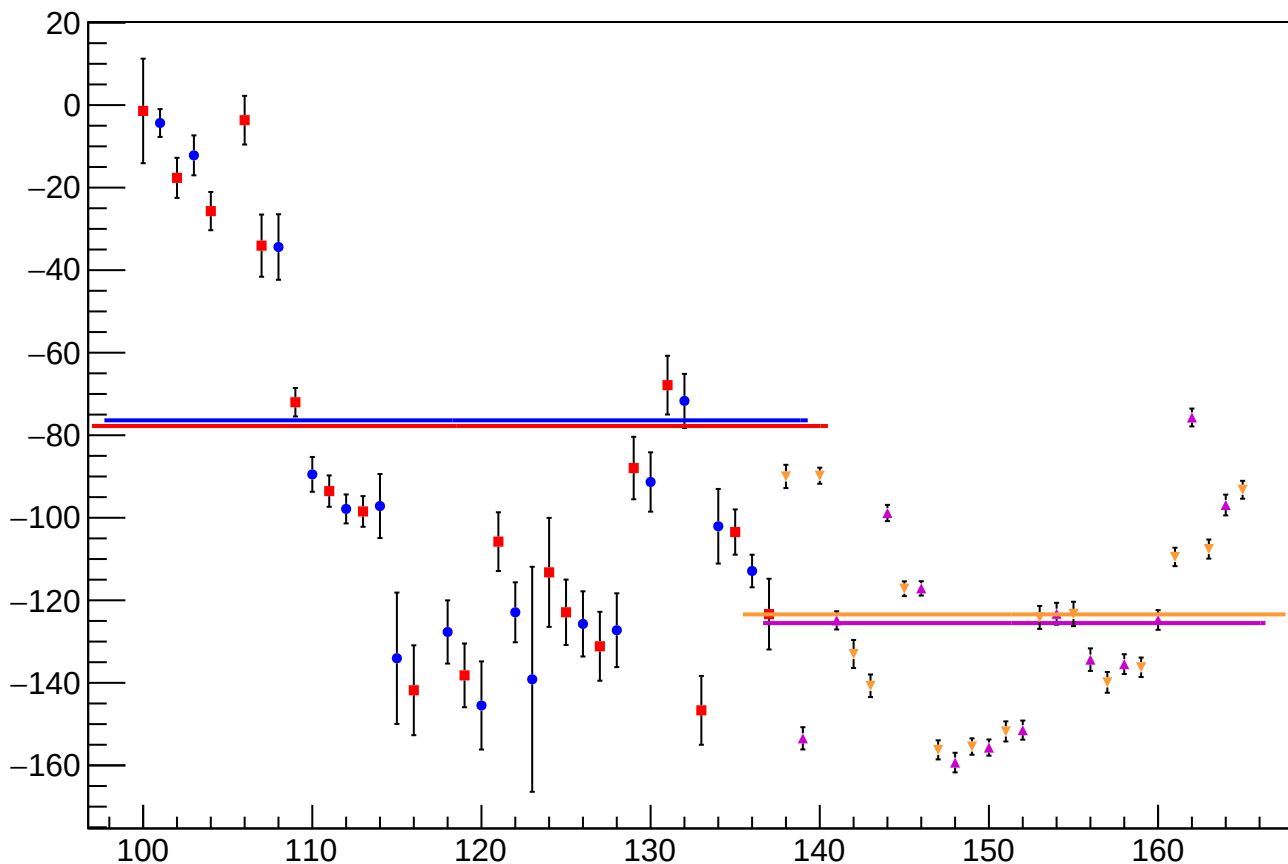
Left In: 22.005 $\pm$ 0.448 χ^2 /NDF:801.7/12

+ sign 23.094 $\pm$ 0.381 χ^2 /NDF: 1710.6/31

All: 23.199 $\pm$ 0.273 χ^2 /NDF: 3561.4/63

- sign 23.309 $\pm$ 0.392 χ^2 /NDF: 1850.7/31

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -123.414 ± 0.608 χ^2/NDF : 1445.6/14

Right Out: -77.761 ± 1.353 χ^2/NDF : 872.7/18

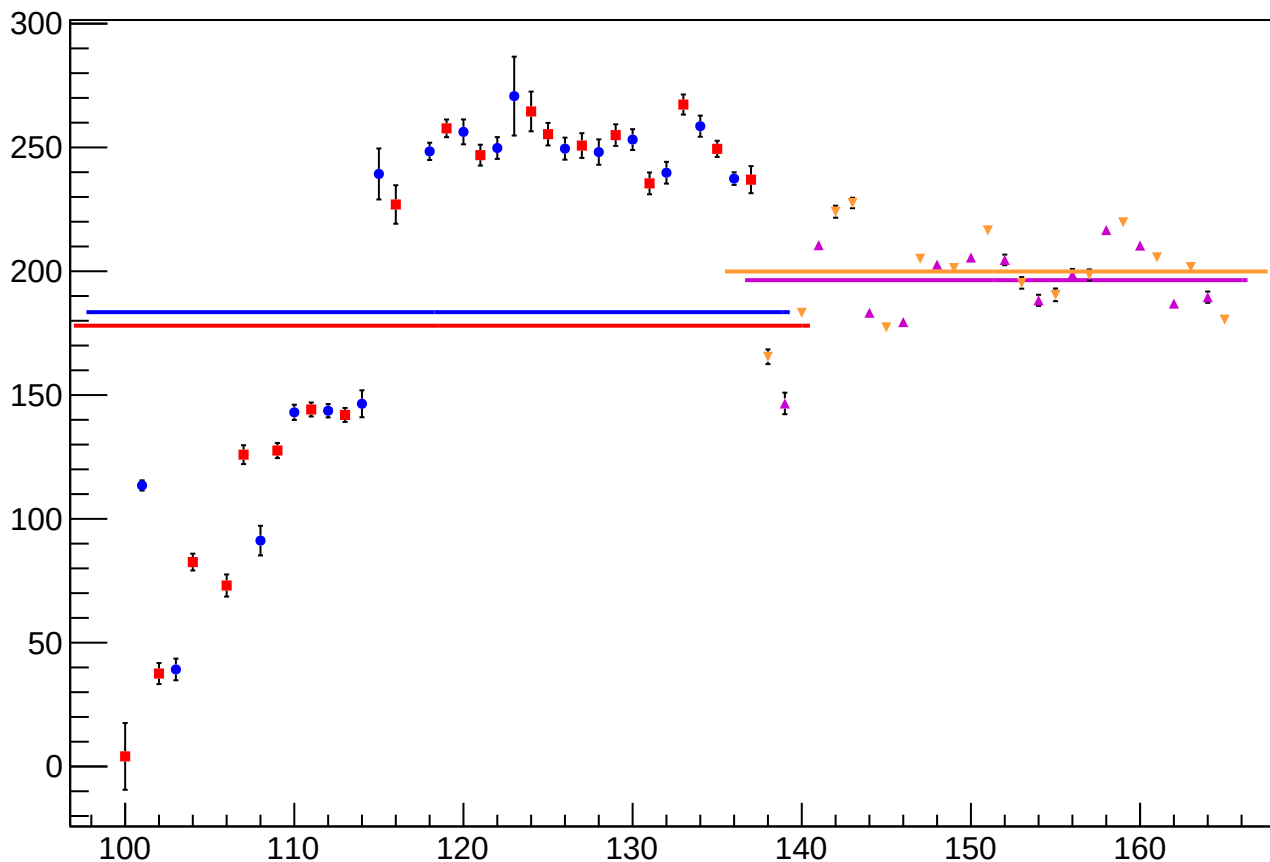
Left In: -125.513 ± 0.625 χ^2/NDF : 1571.2/12

+ sign -116.106 ± 0.558 χ^2/NDF : 3408.6/31

All: -116.596 ± 0.398 χ^2/NDF : 6880.6/63

- sign -117.103 ± 0.568 χ^2/NDF : 3470.4/31

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 199.906 $\pm$ 0.506 χ^2 /NDF:1013.9/14

Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

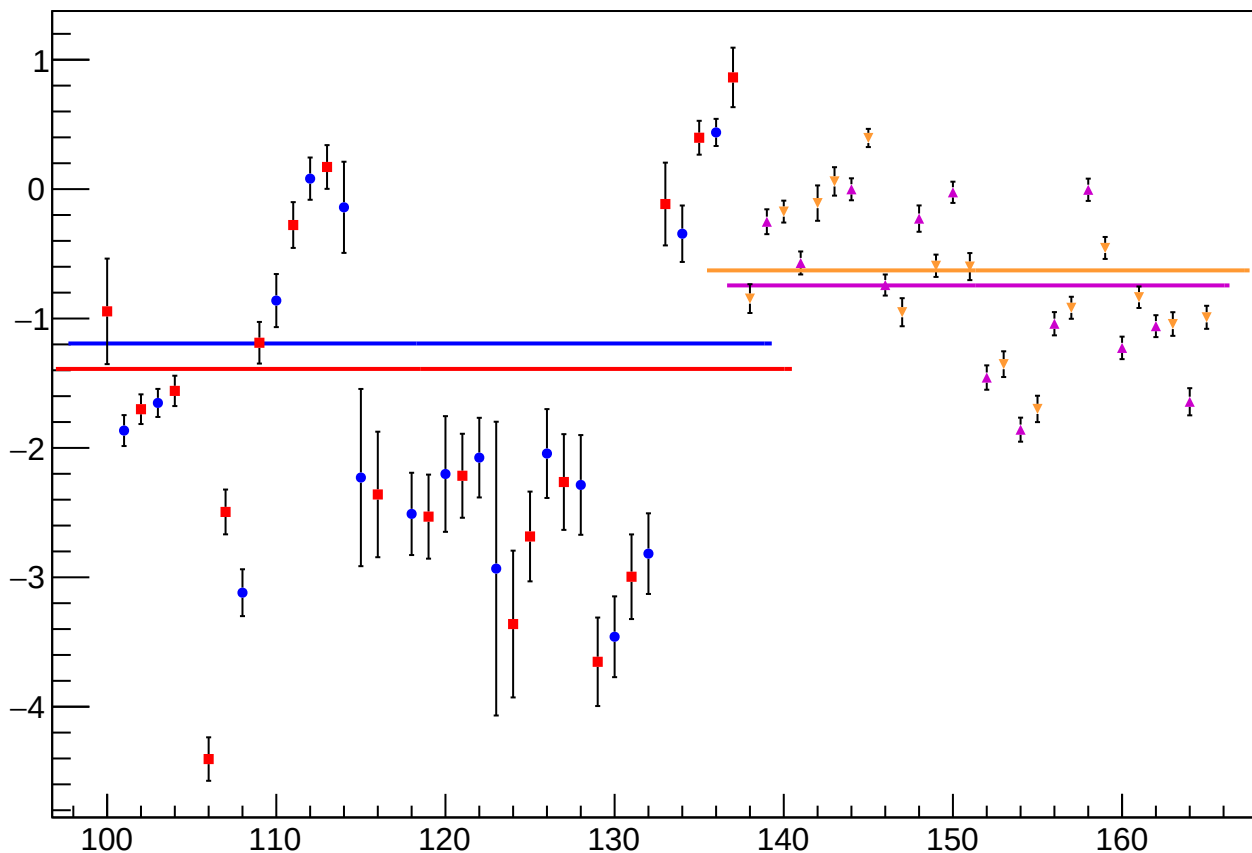
Left In: 196.401 $\pm$ 0.525 χ^2 /NDF:686.4/12

+ sign 196.078 $\pm$ 0.443 χ^2 /NDF: 6590.7/31

All: 194.057 $\pm$ 0.318 χ^2 /NDF: 13965.2/63

- sign 191.919 $\pm$ 0.456 χ^2 /NDF: 7331.7/31

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.628 ± 0.024 χ^2/NDF : 529.7/14

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

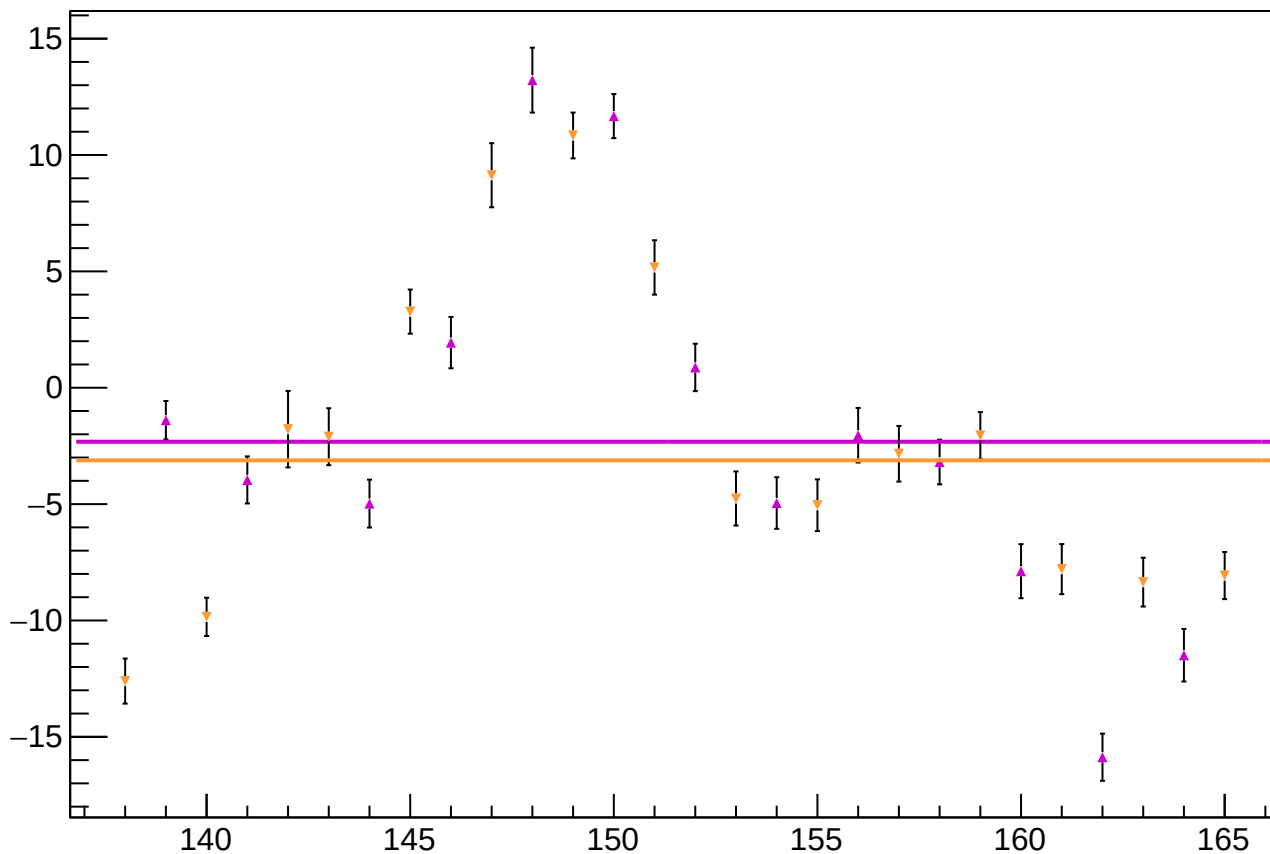
Left In: -0.744 ± 0.025 χ^2/NDF : 613.4/12

+ sign -0.740 ± 0.021 χ^2/NDF : 1261.4/31

All: -0.814 ± 0.015 χ^2/NDF : 2972.7/63

- sign -0.891 ± 0.022 χ^2/NDF : 1687.2/31

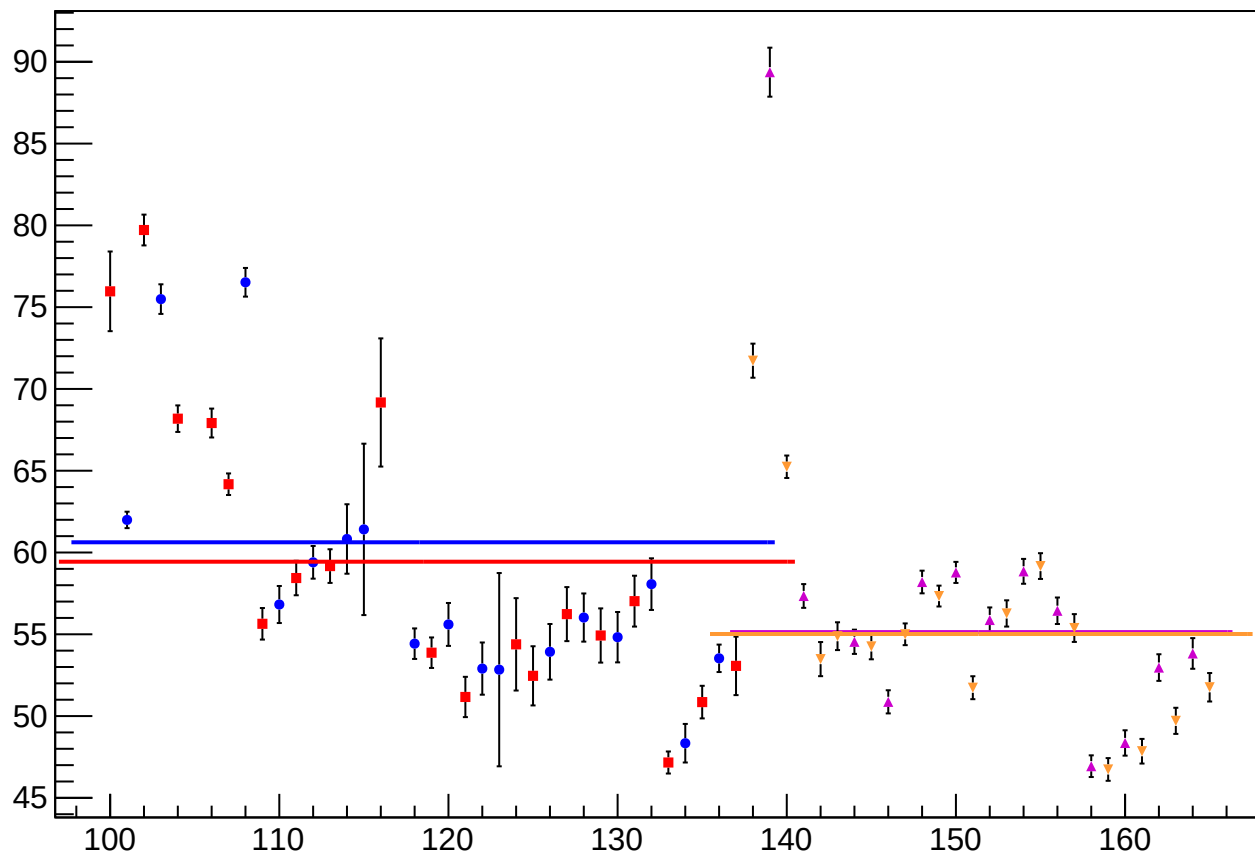
reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.120+/-0.278 χ^2/NDF : 614.0/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.320+/-0.290 χ^2/NDF : 652.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -2.736+/-0.200 χ^2/NDF : 1270.0/27
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 ± 0.263 $\chi^2/\text{NDF}: 924.6/16$

Left Out: 55.018 ± 0.200 $\chi^2/\text{NDF}: 839.3/14$

Right Out: 59.438 ± 0.248 $\chi^2/\text{NDF}: 1323.4/18$

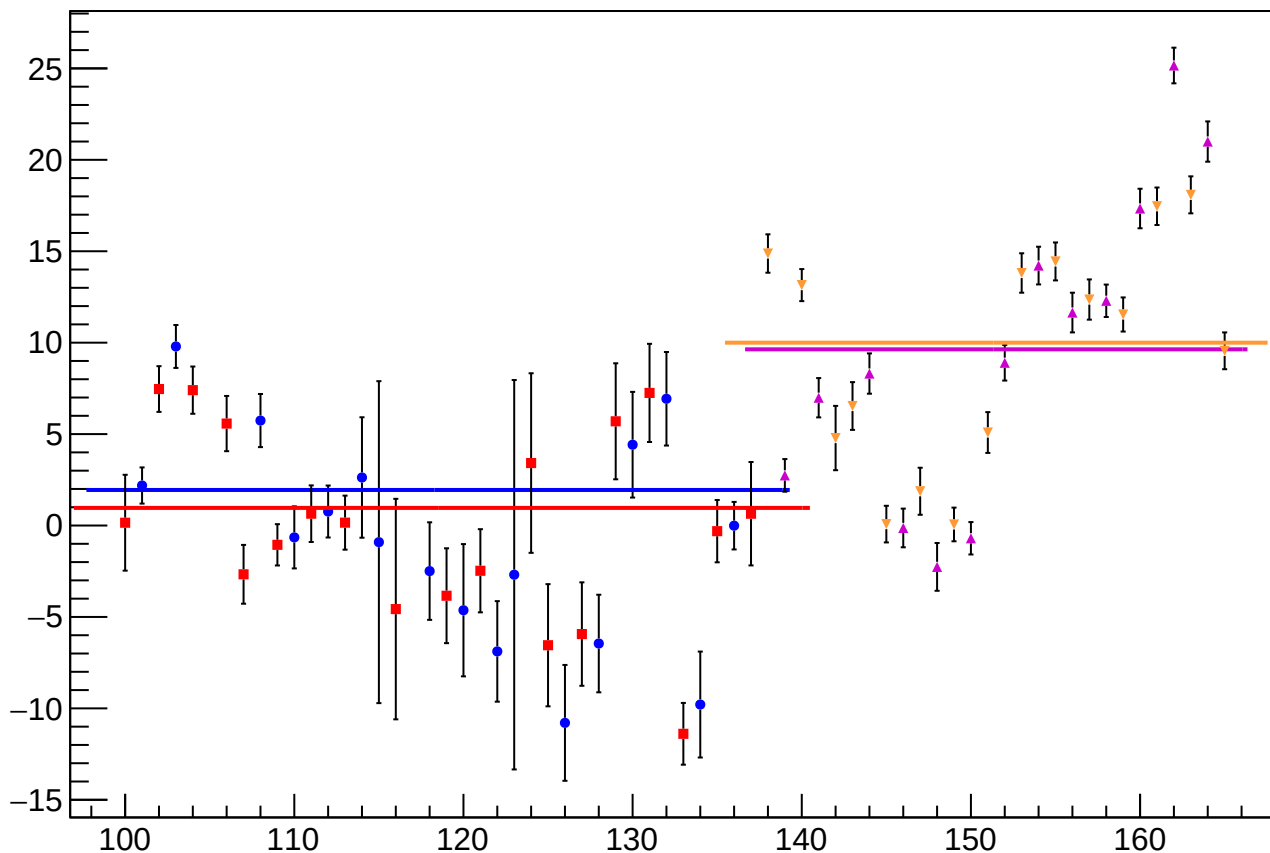
Left In: 55.134 ± 0.212 $\chi^2/\text{NDF}: 885.6/12$

+ sign 57.072 ± 0.159 $\chi^2/\text{NDF}: 2051.8/31$

All: 57.015 ± 0.113 $\chi^2/\text{NDF}: 4435.0/63$

- sign 56.956 ± 0.161 $\chi^2/\text{NDF}: 2382.9/31$

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 $\chi^2/\text{NDF}: 120.6/16$

Left Out: 10.000 ± 0.273 $\chi^2/\text{NDF}: 479.5/14$

Right Out: 0.964 ± 0.424 $\chi^2/\text{NDF}: 149.5/18$

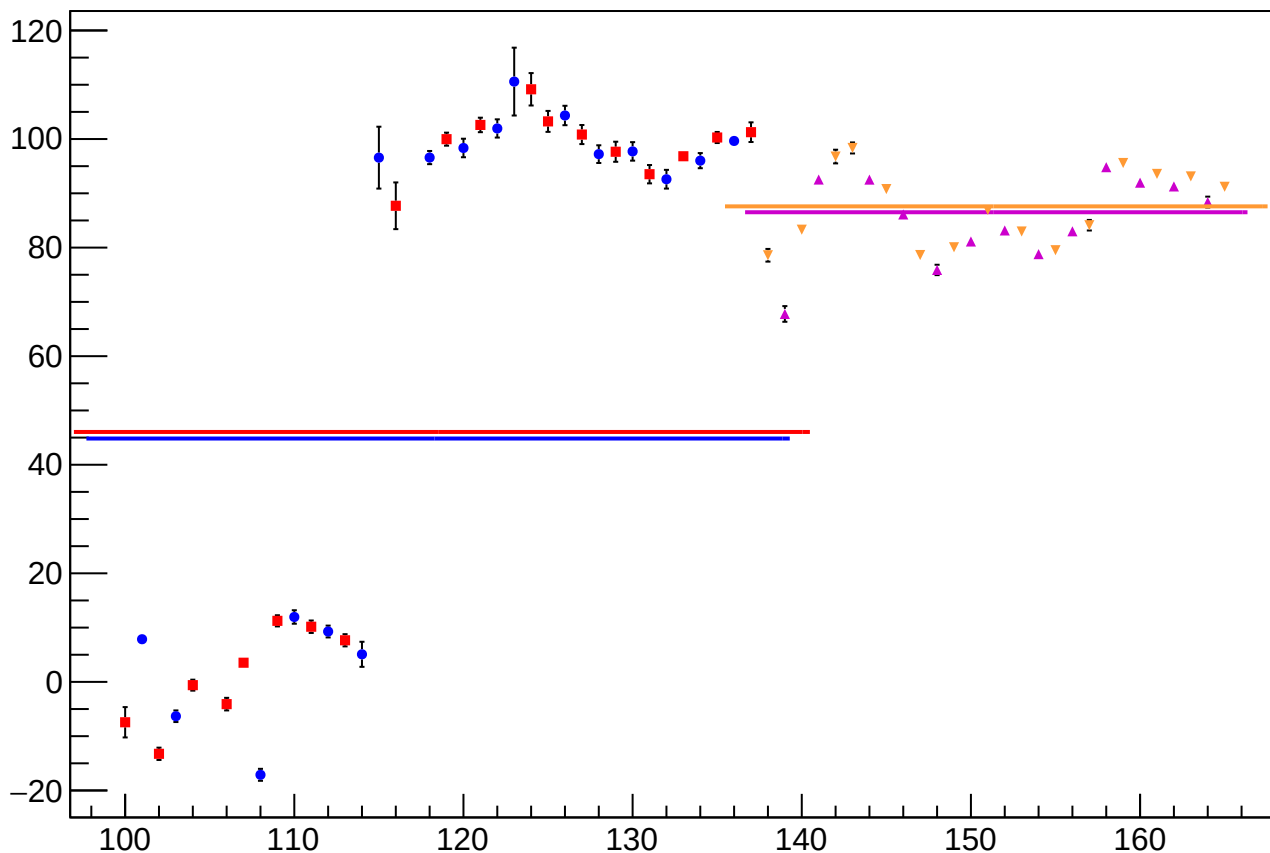
Left In: 9.636 ± 0.282 $\chi^2/\text{NDF}: 814.4/12$

+ sign 7.890 ± 0.235 $\chi^2/\text{NDF}: 827.6/31$

All: 7.433 ± 0.166 $\chi^2/\text{NDF}: 2088.5/63$

- sign 6.975 ± 0.235 $\chi^2/\text{NDF}: 1253.3/31$

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 87.596 $\pm$ 0.231 χ^2 /NDF:811.3/14

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

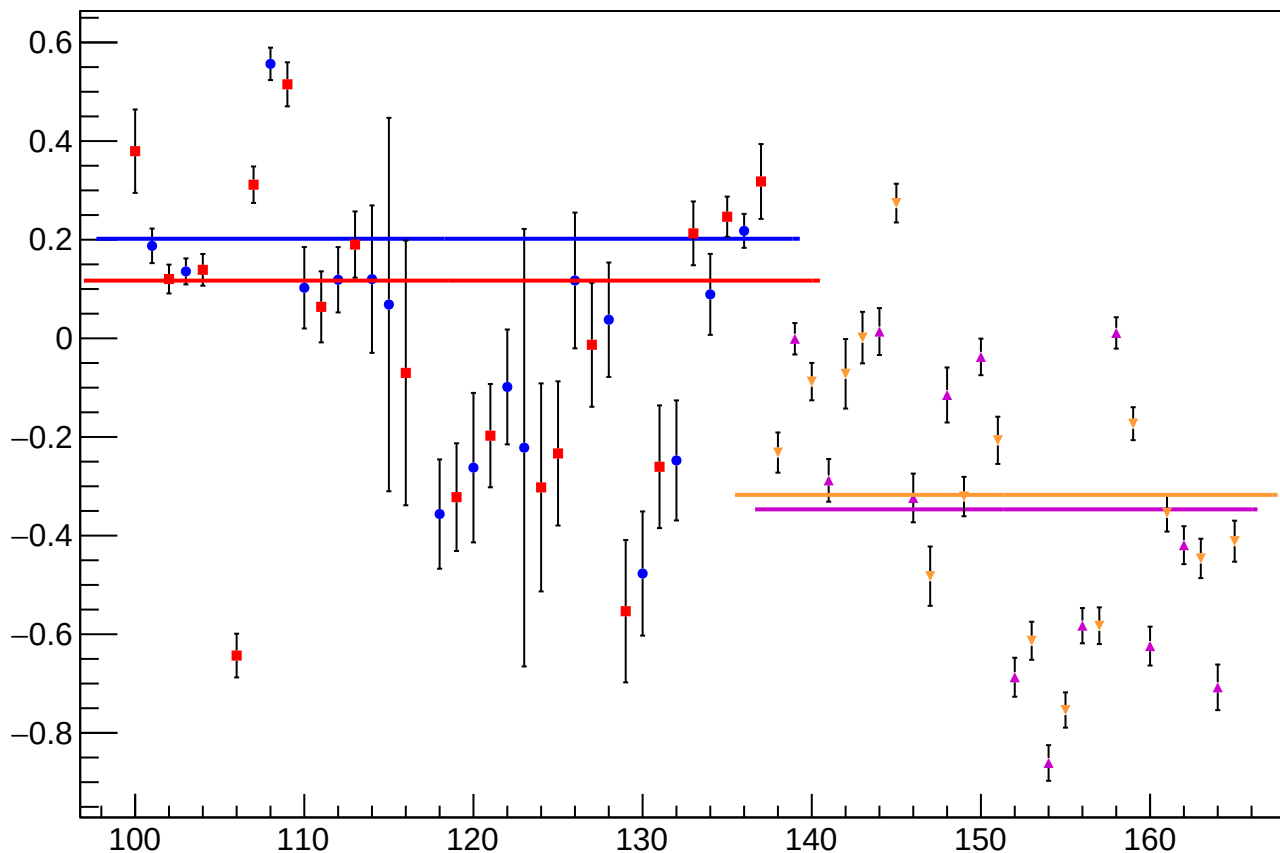
Left In: 86.513 $\pm$ 0.243 χ^2 /NDF:763.7/12

+ sign 71.973 $\pm$ 0.184 χ^2 /NDF: 38081.8/31

All: 70.874 $\pm$ 0.131 χ^2 /NDF: 78632.9/63

- sign 69.749 $\pm$ 0.186 χ^2 /NDF: 40479.0/31

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.317 ± 0.011 χ^2/NDF : 624.6/14

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

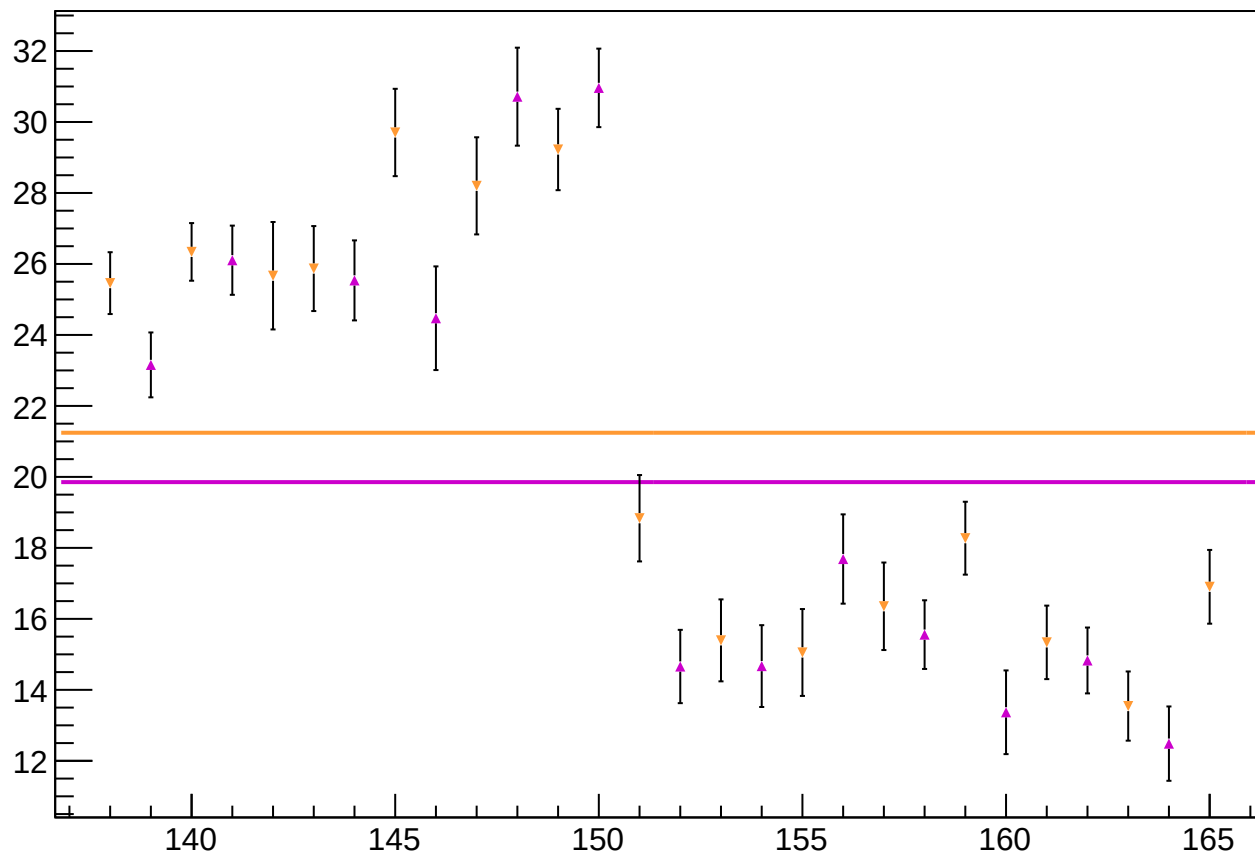
Left In: -0.347 ± 0.011 χ^2/NDF : 825.2/12

+ sign -0.128 ± 0.008 χ^2/NDF : 1708.8/31

All: -0.142 ± 0.006 χ^2/NDF : 3783.2/63

- sign -0.155 ± 0.008 χ^2/NDF : 2069.1/31

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 21.244+/-0.282 χ^2/NDF : 399.5/14

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

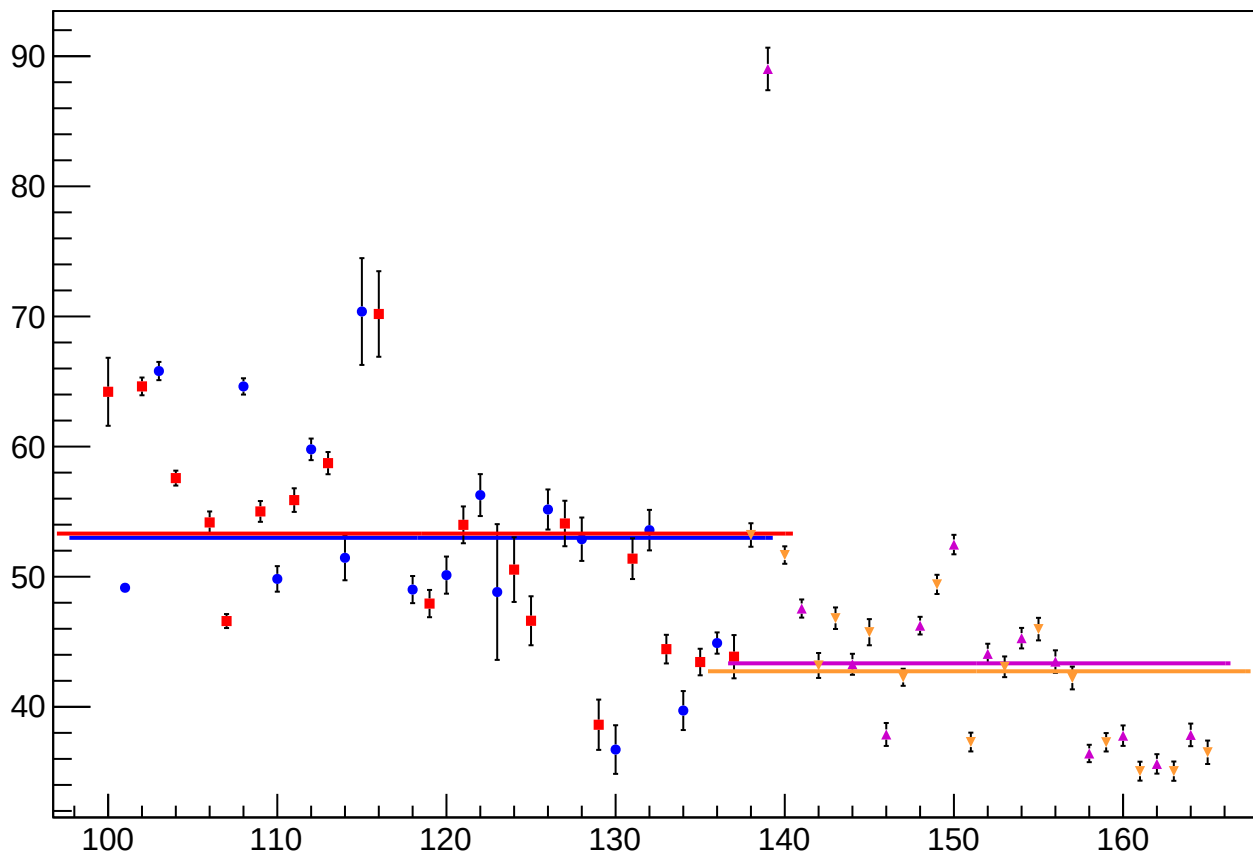
Left In: 19.853+/-0.301 χ^2/NDF : 429.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 20.593+/-0.206 χ^2/NDF : 840.5/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 42.733 $\pm$ 0.203 χ^2 /NDF: 825.1/14

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

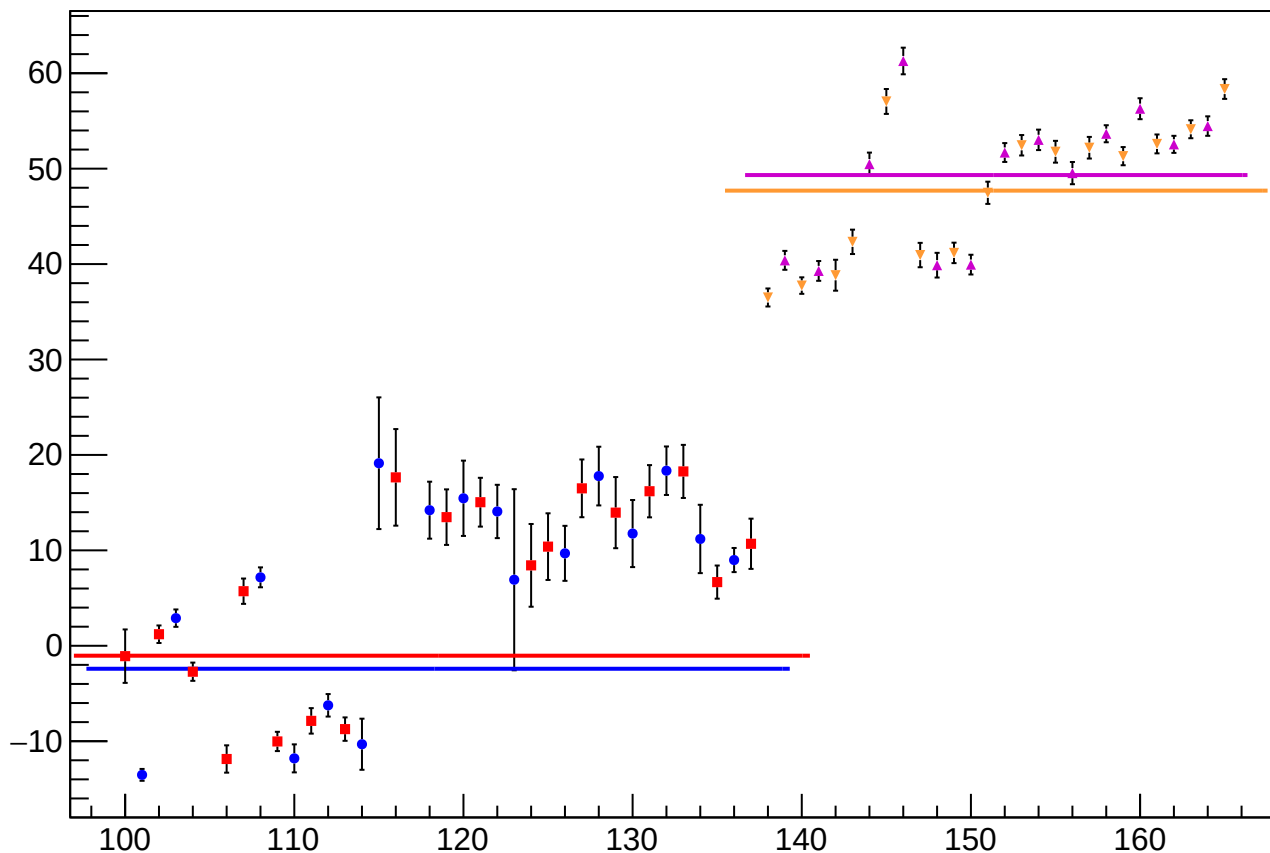
Left In: 43.344 $\pm$ 0.219 χ^2 /NDF: 1334.4/12

+ sign 47.669 $\pm$ 0.146 χ^2 /NDF: 3250.0/31

All: 47.897 $\pm$ 0.107 χ^2 /NDF: 6464.4/63

- sign 48.163 $\pm$ 0.158 χ^2 /NDF: 3209.2/31

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 47.697 ± 0.279 χ^2/NDF : 676.7/14

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

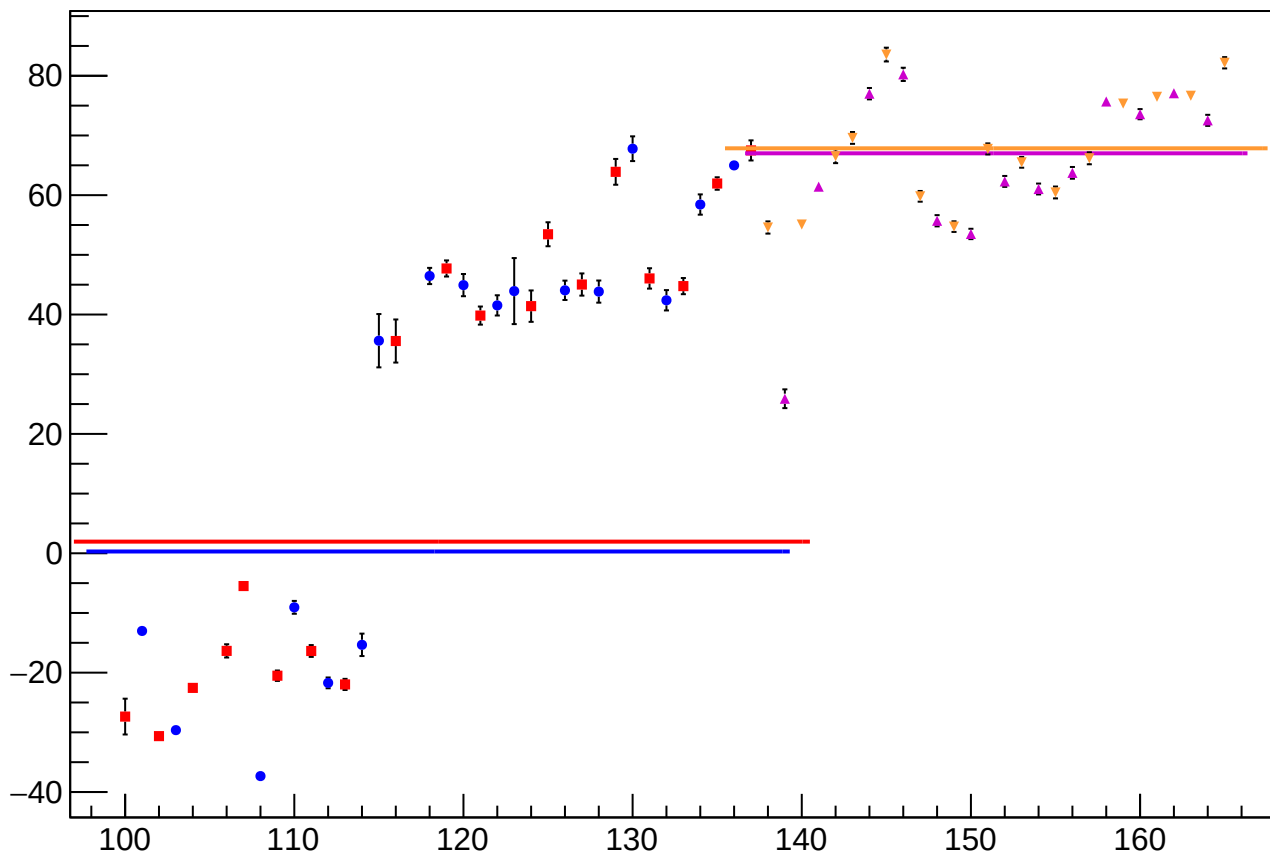
Left In: 49.329 ± 0.293 χ^2/NDF : 504.7/12

+ sign 29.191 ± 0.221 χ^2/NDF : 13440.3/31

All: 29.733 ± 0.160 χ^2/NDF : 25577.8/63

- sign 30.327 ± 0.232 χ^2/NDF : 12124.9/31

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 67.849 ± 0.235 χ^2/NDF : 1549.6/14

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

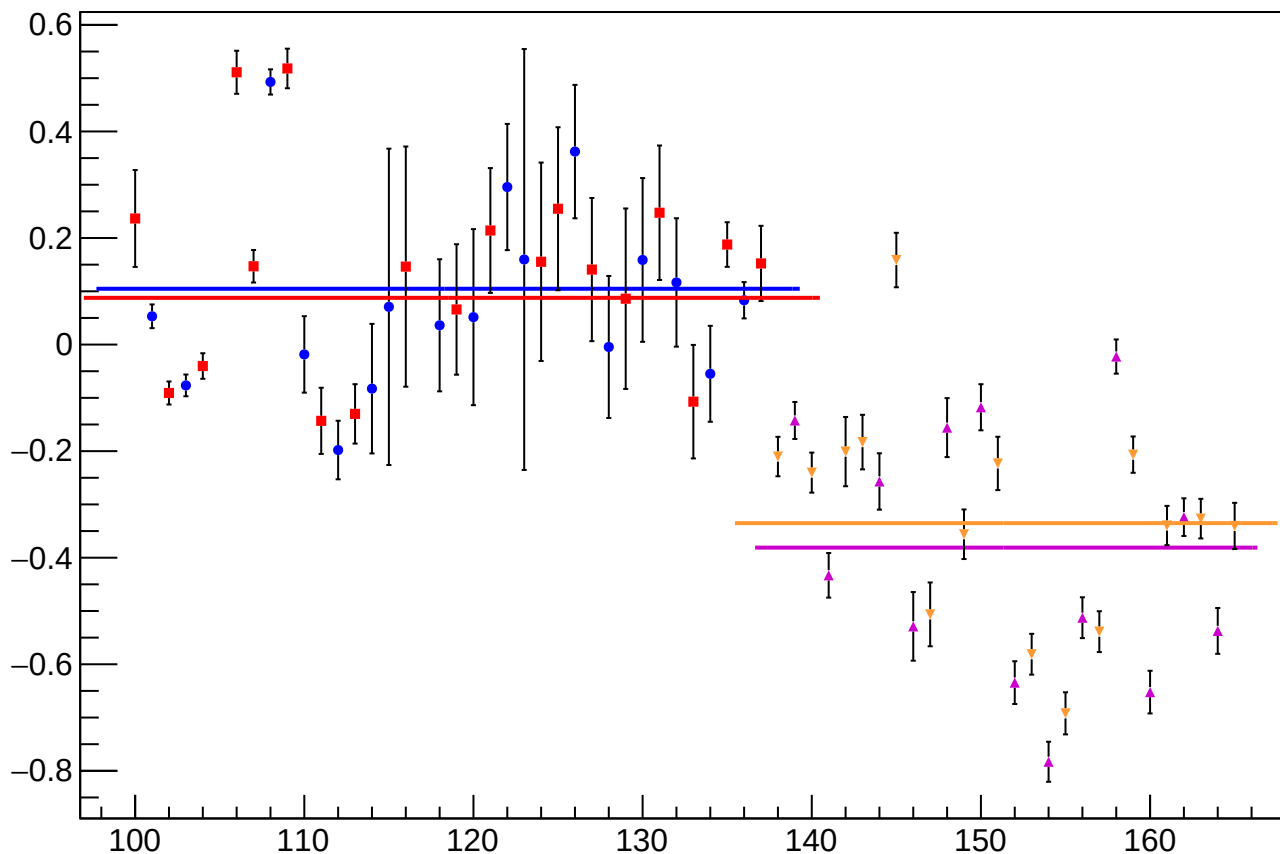
Left In: 67.011 ± 0.251 χ^2/NDF : 1862.0/12

+ sign 35.824 ± 0.170 χ^2/NDF : 59008.1/31

All: 36.100 ± 0.125 χ^2/NDF : 107867.1/63

- sign 36.418 ± 0.183 χ^2/NDF : 48853.4/31

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.335 ± 0.011 χ^2/NDF : 303.0/14

Right Out: 0.088 ± 0.011 χ^2/NDF : 390.9/18

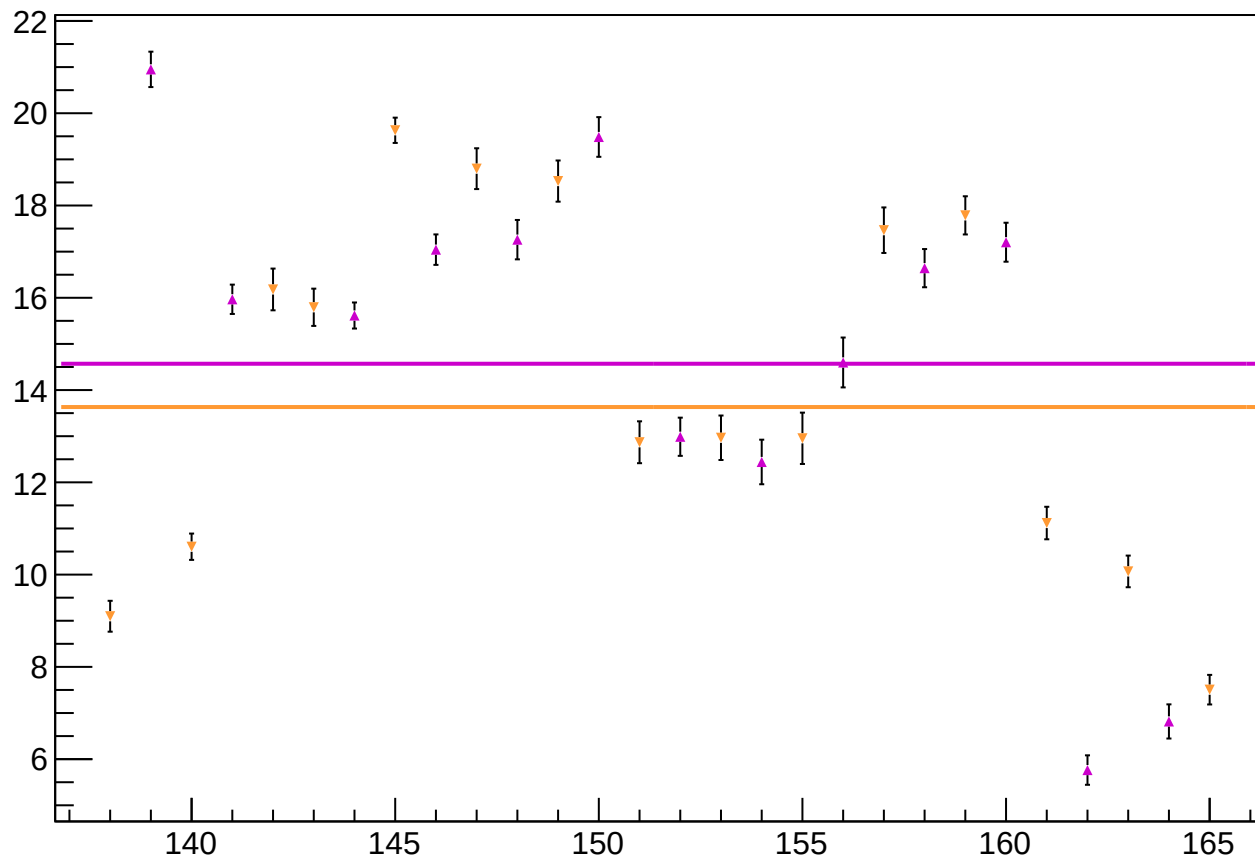
Left In: -0.381 ± 0.011 χ^2/NDF : 465.7/12

+ sign -0.118 ± 0.008 χ^2/NDF : 1508.6/31

All: -0.129 ± 0.006 χ^2/NDF : 3250.5/63

- sign -0.140 ± 0.008 χ^2/NDF : 1737.9/31

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 13.632+/-0.098 χ^2/NDF :1783.7/14

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

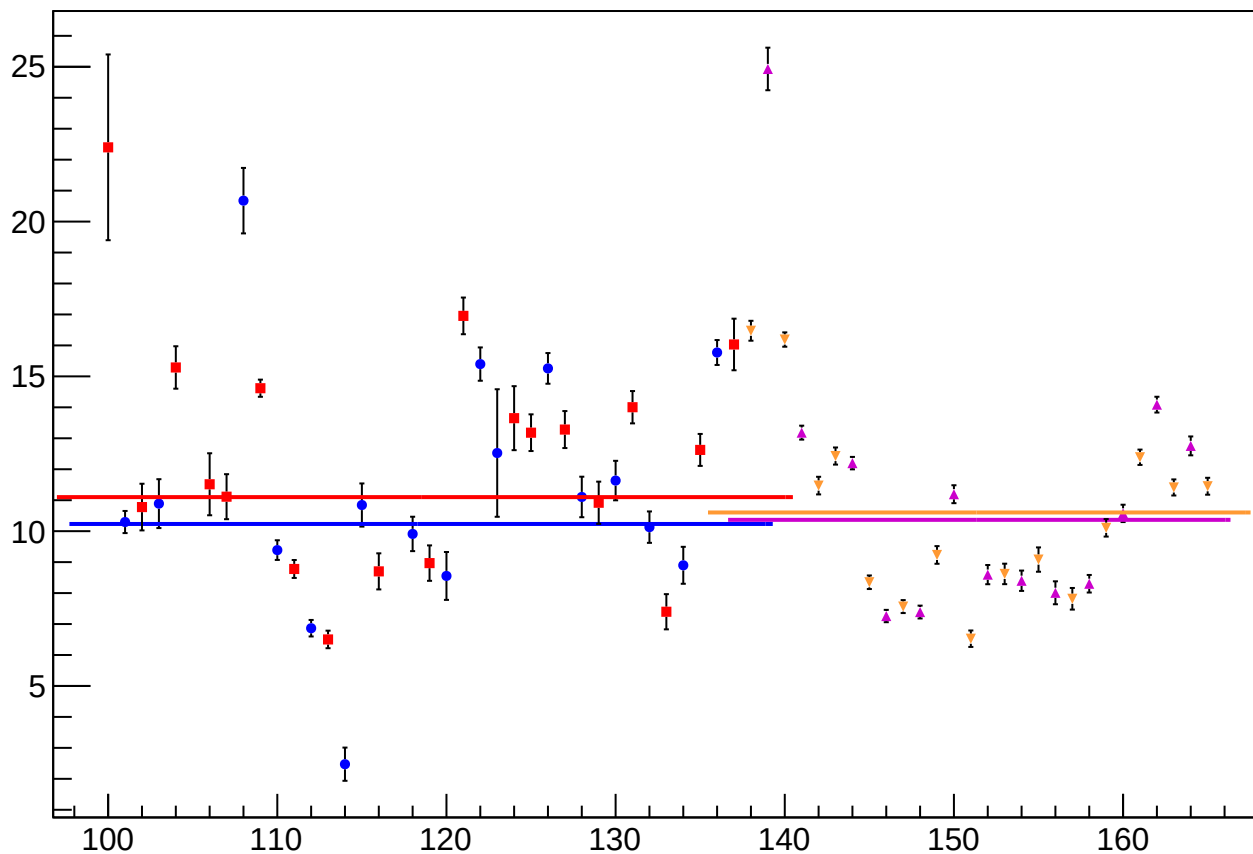
Left In: 14.570+/-0.105 χ^2/NDF :1832.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 14.070+/-0.071 χ^2/NDF : 3659.4/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 10.604 ± 0.070 χ^2/NDF : 1732.3/14

Right Out: 11.100 ± 0.116 χ^2/NDF : 817.8/18

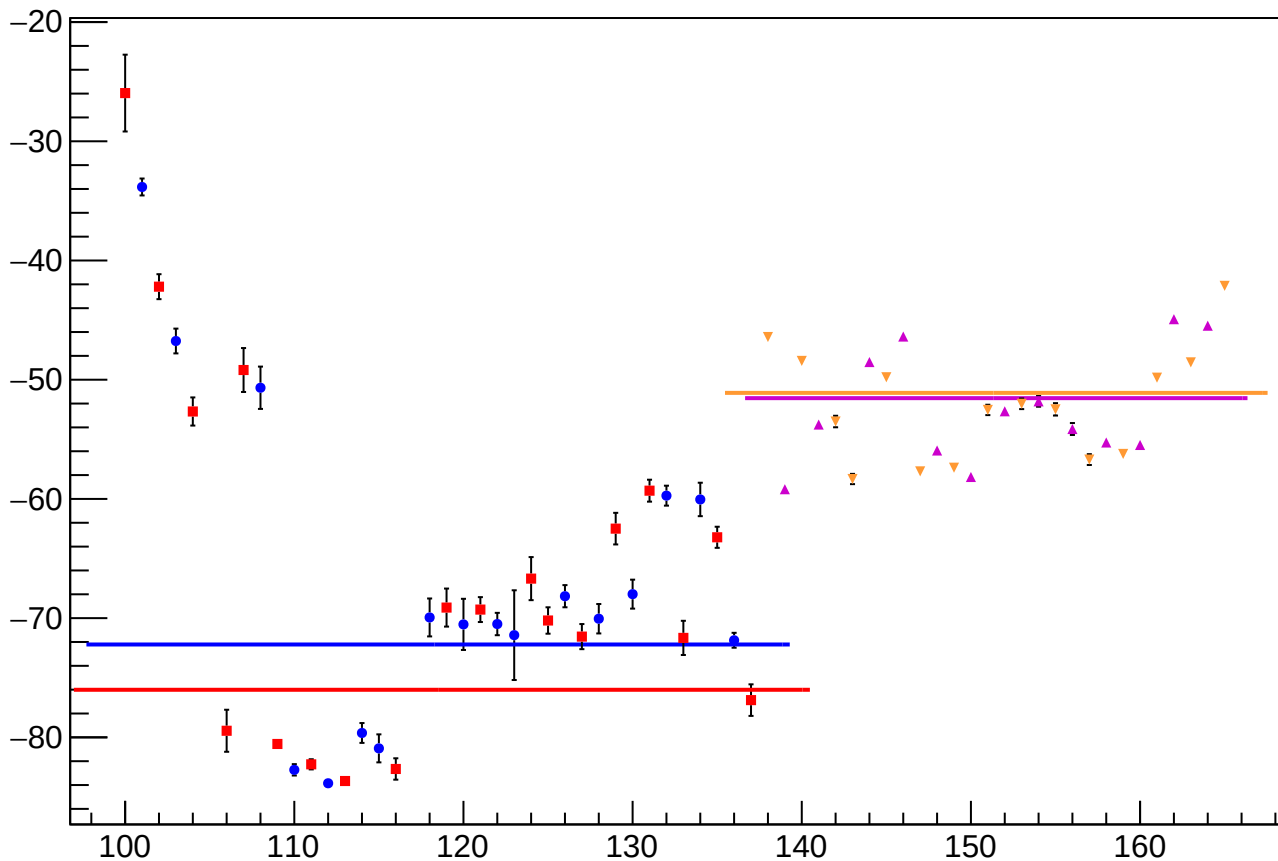
Left In: 10.366 ± 0.073 χ^2/NDF : 1582.3/12

+ sign 10.509 ± 0.060 χ^2/NDF : 2616.2/31

All: 10.541 ± 0.043 χ^2/NDF : 5045.4/63

- sign 10.575 ± 0.062 χ^2/NDF : 2428.6/31

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$

Left Out: -51.103 ± 0.098 $\chi^2/\text{NDF}: 2271.6/14$

Right Out: -76.009 ± 0.181 $\chi^2/\text{NDF}: 3463.3/18$

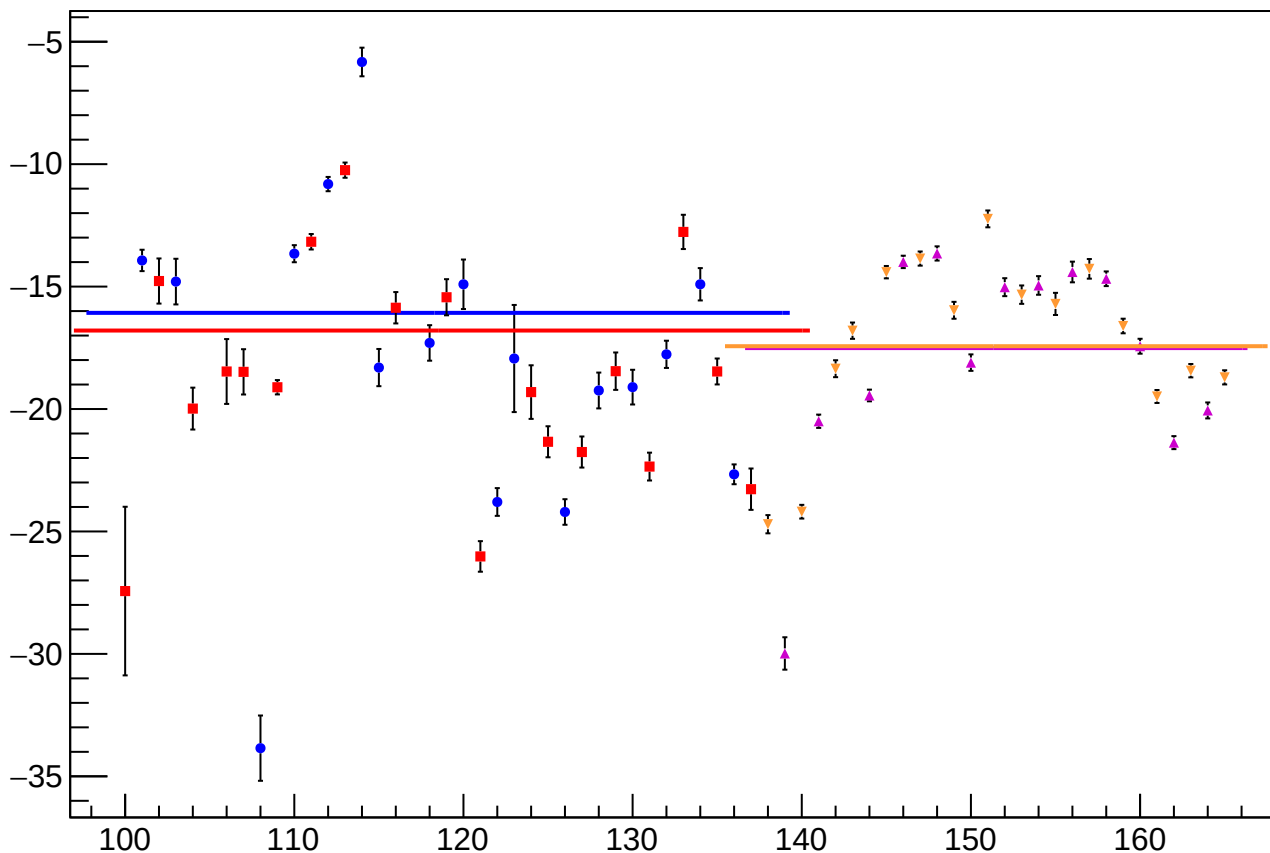
Left In: -51.547 ± 0.103 $\chi^2/\text{NDF}: 2114.8/12$

+ sign -55.236 ± 0.088 $\chi^2/\text{NDF}: 16978.0/31$

All: -56.349 ± 0.063 $\chi^2/\text{NDF}: 36702.9/63$

- sign -57.507 ± 0.089 $\chi^2/\text{NDF}: 19395.4/31$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -17.434 ± 0.081 χ^2/NDF : 1725.4/14

Right Out: -16.795 ± 0.128 χ^2/NDF : 1216.0/18

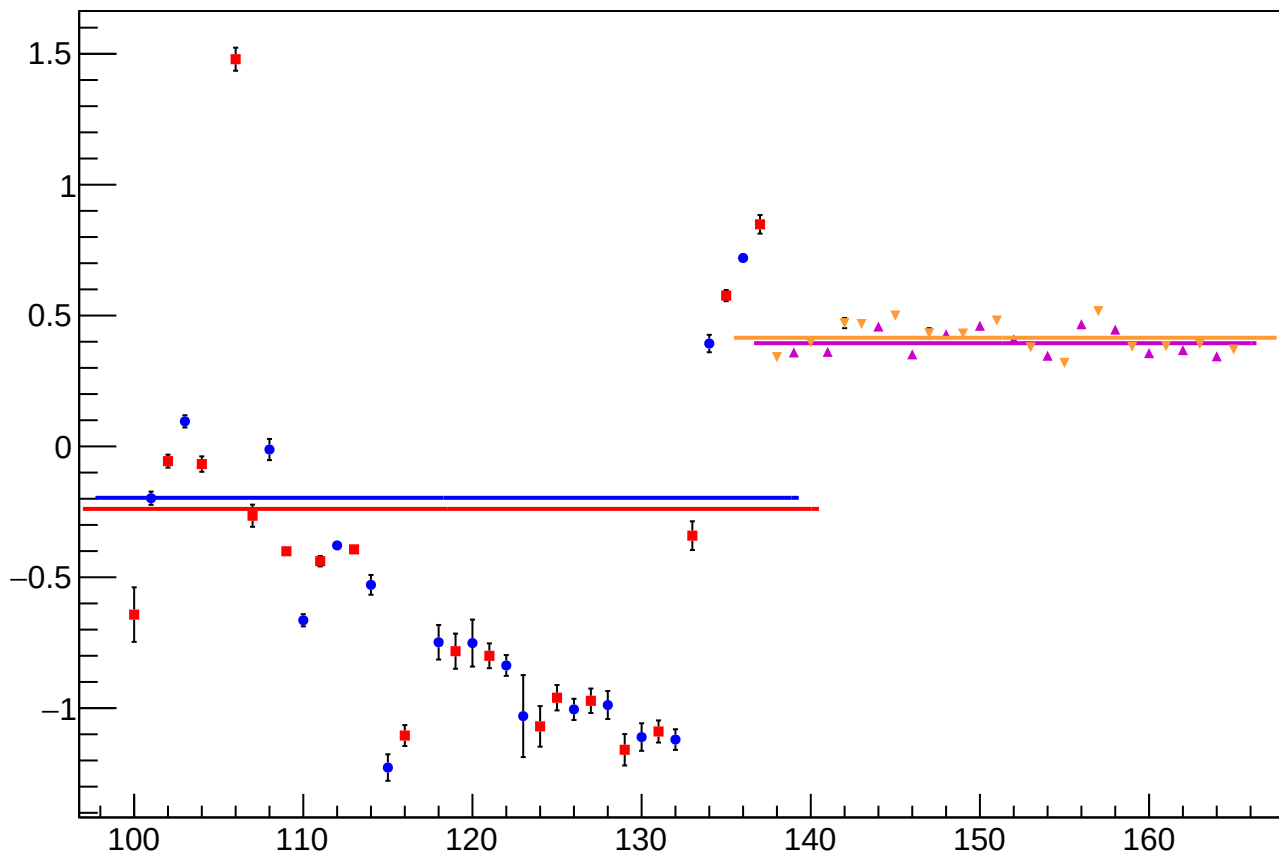
Left In: -17.511 ± 0.086 χ^2/NDF : 1422.5/12

+ sign -17.061 ± 0.069 χ^2/NDF : 3442.5/31

All: -17.172 ± 0.050 χ^2/NDF : 6107.9/63

- sign -17.289 ± 0.071 χ^2/NDF : 2660.1/31

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.415 ± 0.004 χ^2/NDF : 220.0/14

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

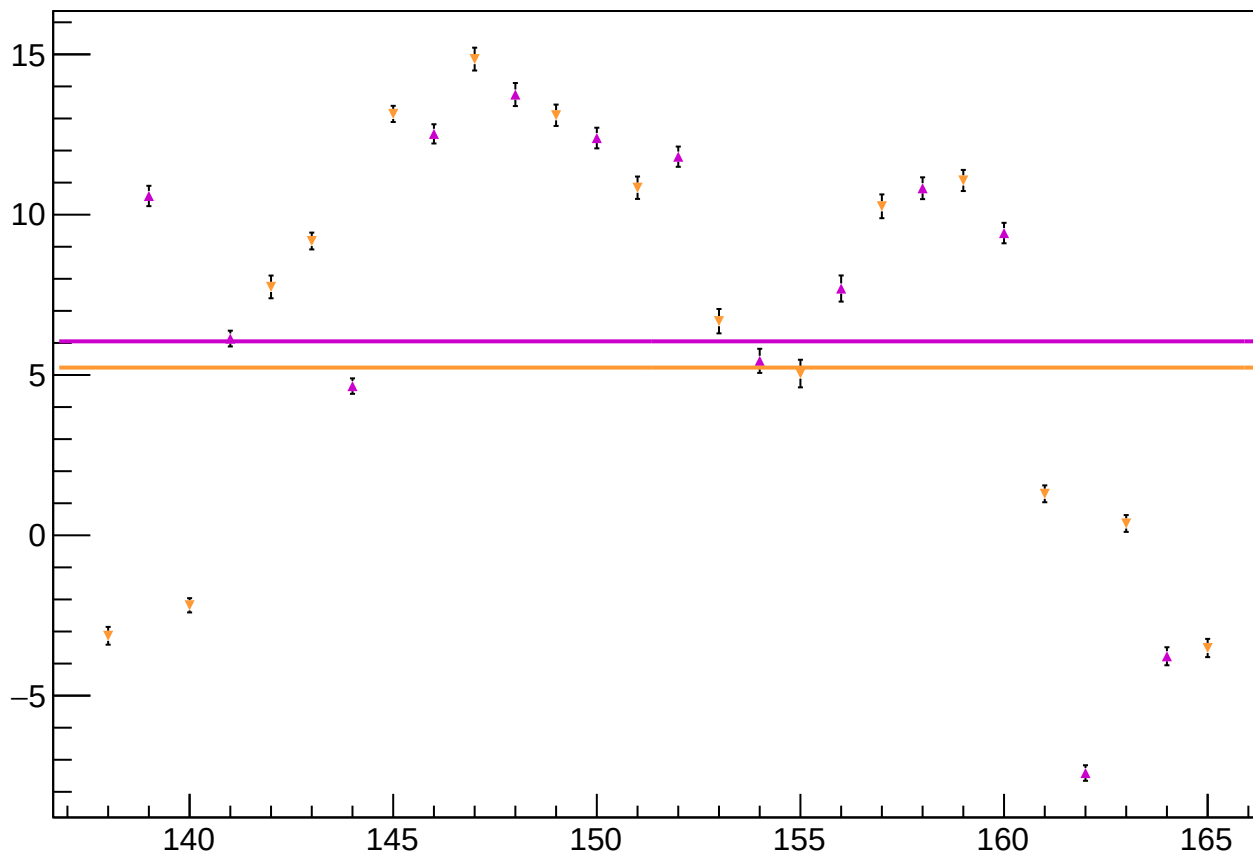
Left In: 0.394 ± 0.004 χ^2/NDF : 129.6/12

+ sign 0.288 ± 0.003 χ^2/NDF : 11749.3/31

All: 0.265 ± 0.002 χ^2/NDF : 24045.6/63

- sign 0.240 ± 0.004 χ^2/NDF : 12202.1/31

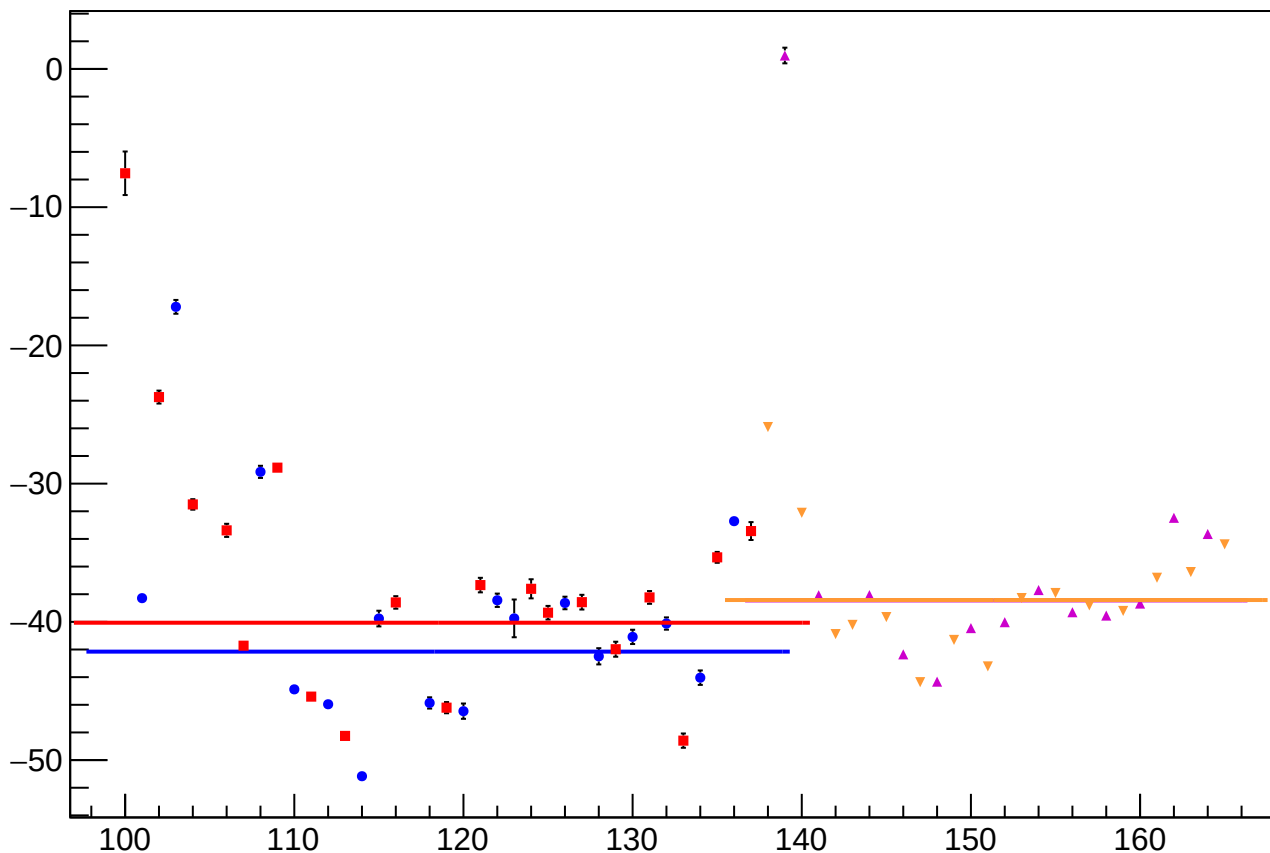
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.231+/-0.077 χ^2/NDF : 6843.0/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 6.050+/-0.084 χ^2/NDF : 6514.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 5.610+/-0.057 χ^2/NDF : 13409.5/27
 - 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: -38.421 ± 0.055 $\chi^2/\text{NDF}: 6052.2/14$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

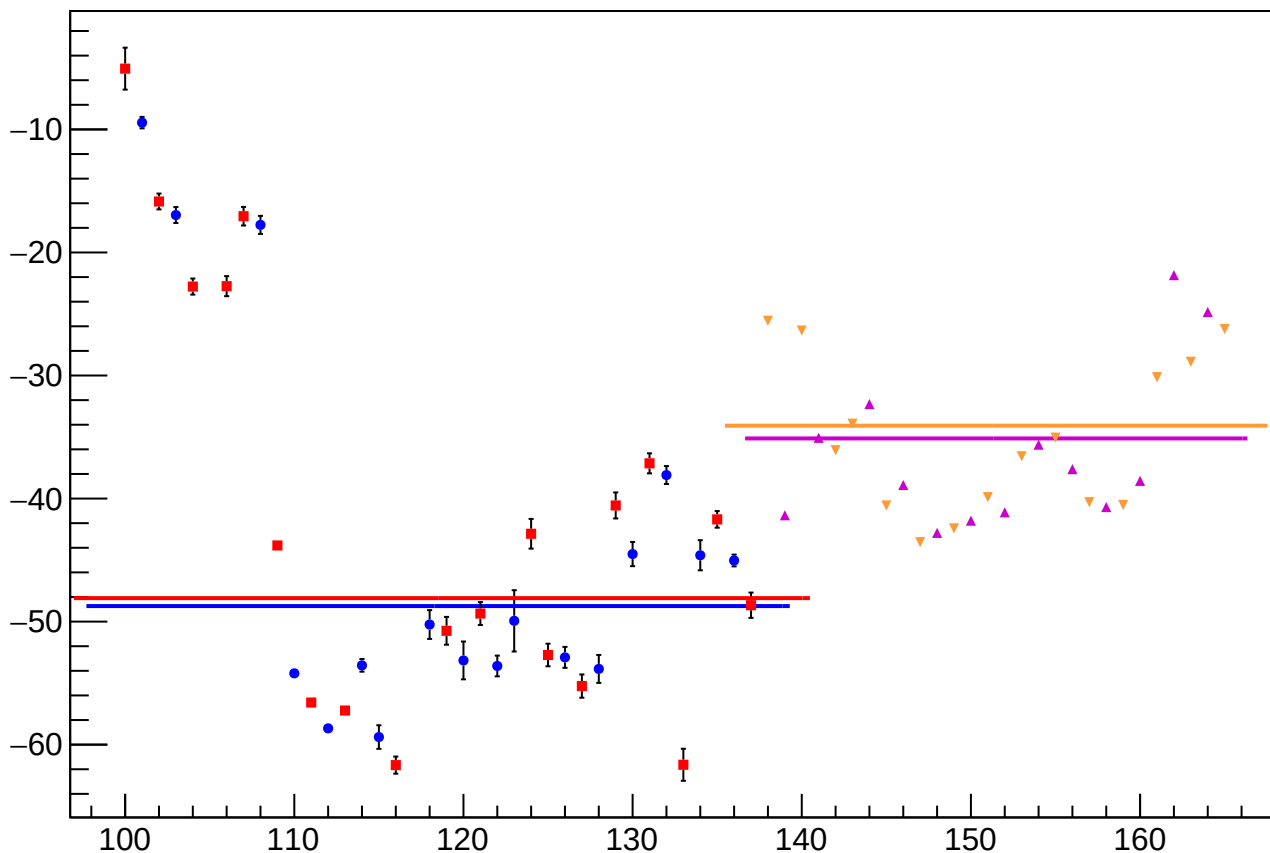
Left In: -38.451 ± 0.059 $\chi^2/\text{NDF}: 7952.7/12$

+ sign -39.662 ± 0.045 $\chi^2/\text{NDF}: 14137.5/31$

All: -39.385 ± 0.032 $\chi^2/\text{NDF}: 33784.7/63$

- sign -39.095 ± 0.046 $\chi^2/\text{NDF}: 19569.4/31$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -34.078 ± 0.077 χ^2/NDF : 6572.0/14

Right Out: -48.092 ± 0.107 χ^2/NDF : 11733.2/18

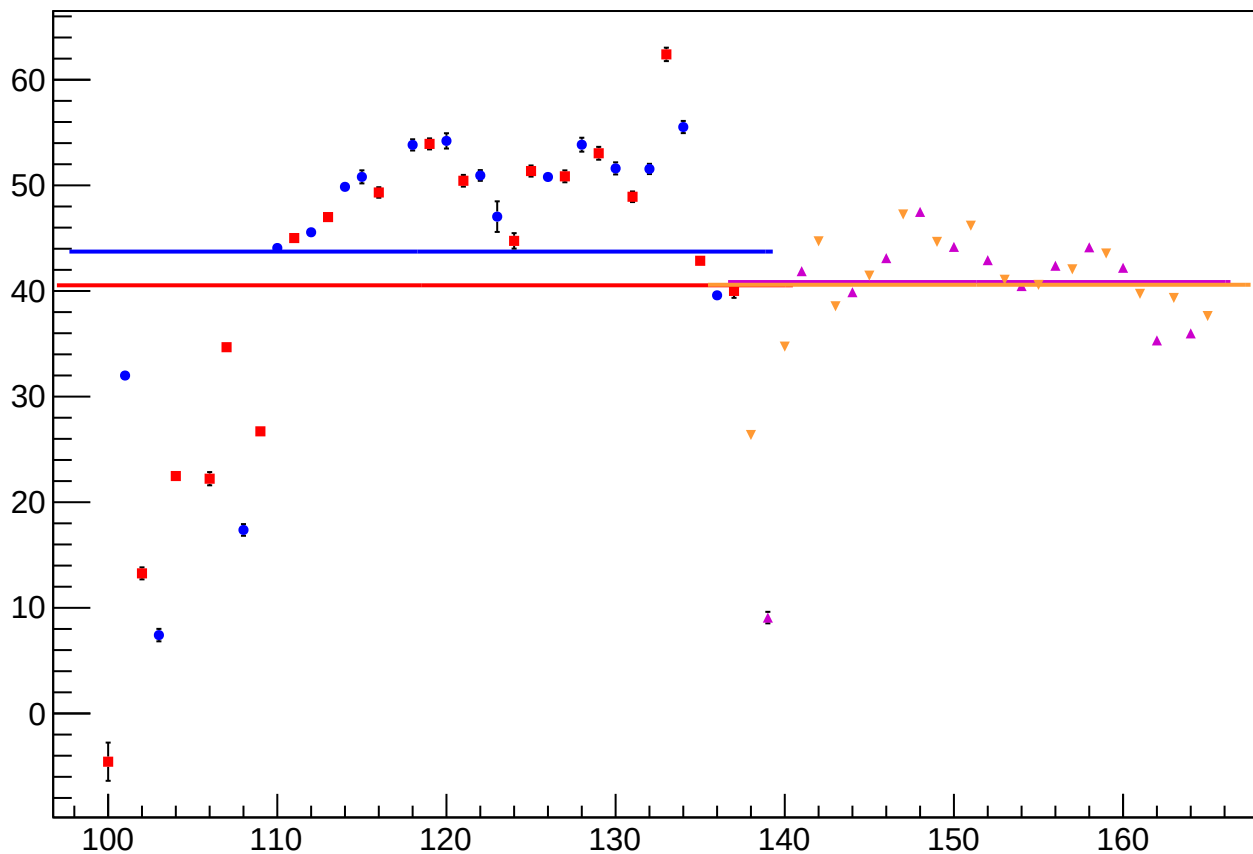
Left In: -35.113 ± 0.082 χ^2/NDF : 7161.1/12

+ sign -38.141 ± 0.066 χ^2/NDF : 31241.0/31

All: -39.023 ± 0.046 χ^2/NDF : 59750.1/63

- sign -39.890 ± 0.065 χ^2/NDF : 28150.7/31

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 $\pm$ 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.589 $\pm$ 0.064 χ^2/NDF : 5015.6/14

Right Out: 40.537 $\pm$ 0.080 χ^2/NDF : 17601.3/18

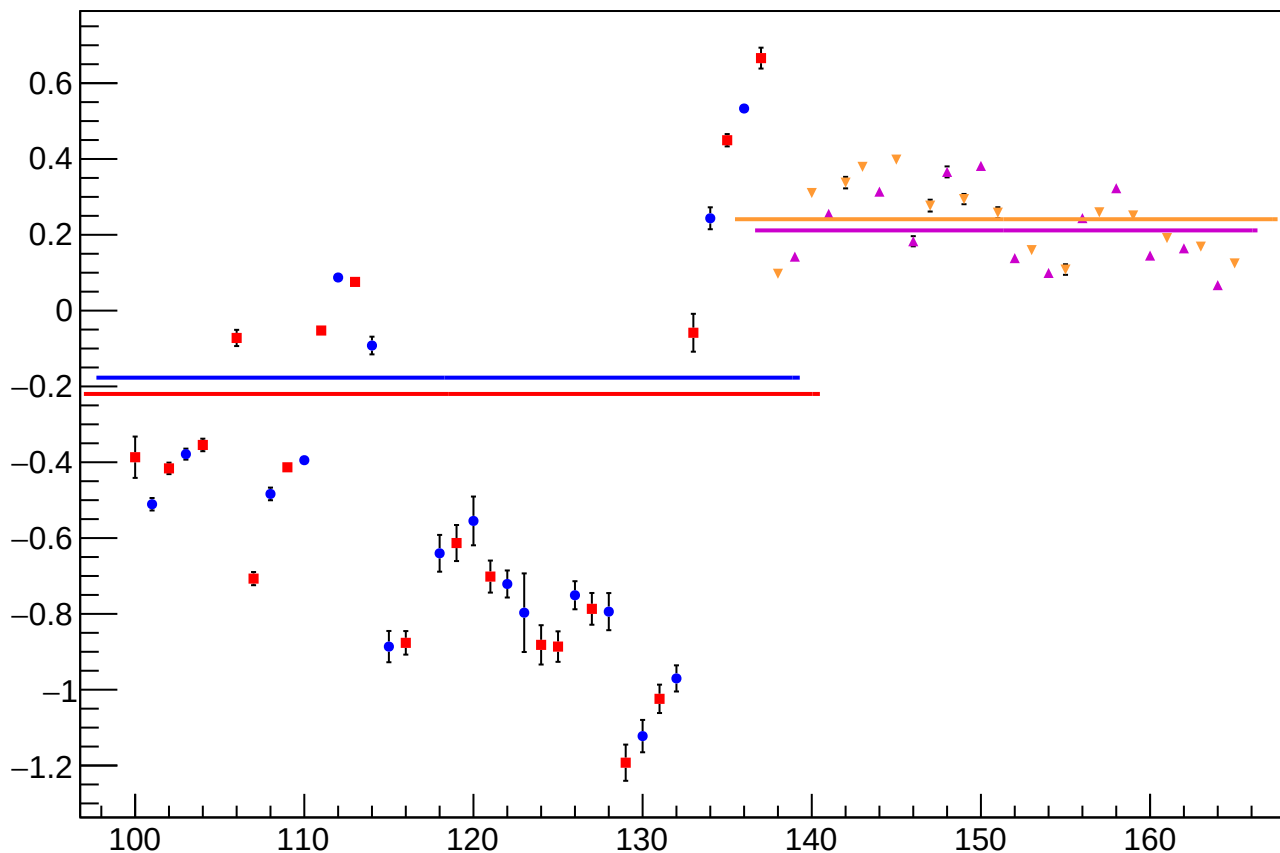
Left In: 40.847 $\pm$ 0.069 χ^2/NDF : 5872.4/12

+ sign 41.698 $\pm$ 0.052 χ^2/NDF : 16430.2/31

All: 41.213 $\pm$ 0.037 χ^2/NDF : 40091.4/63

- sign 40.716 $\pm$ 0.052 χ^2/NDF : 23482.3/31

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.241 ± 0.003 χ^2/NDF : 940.6/14

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

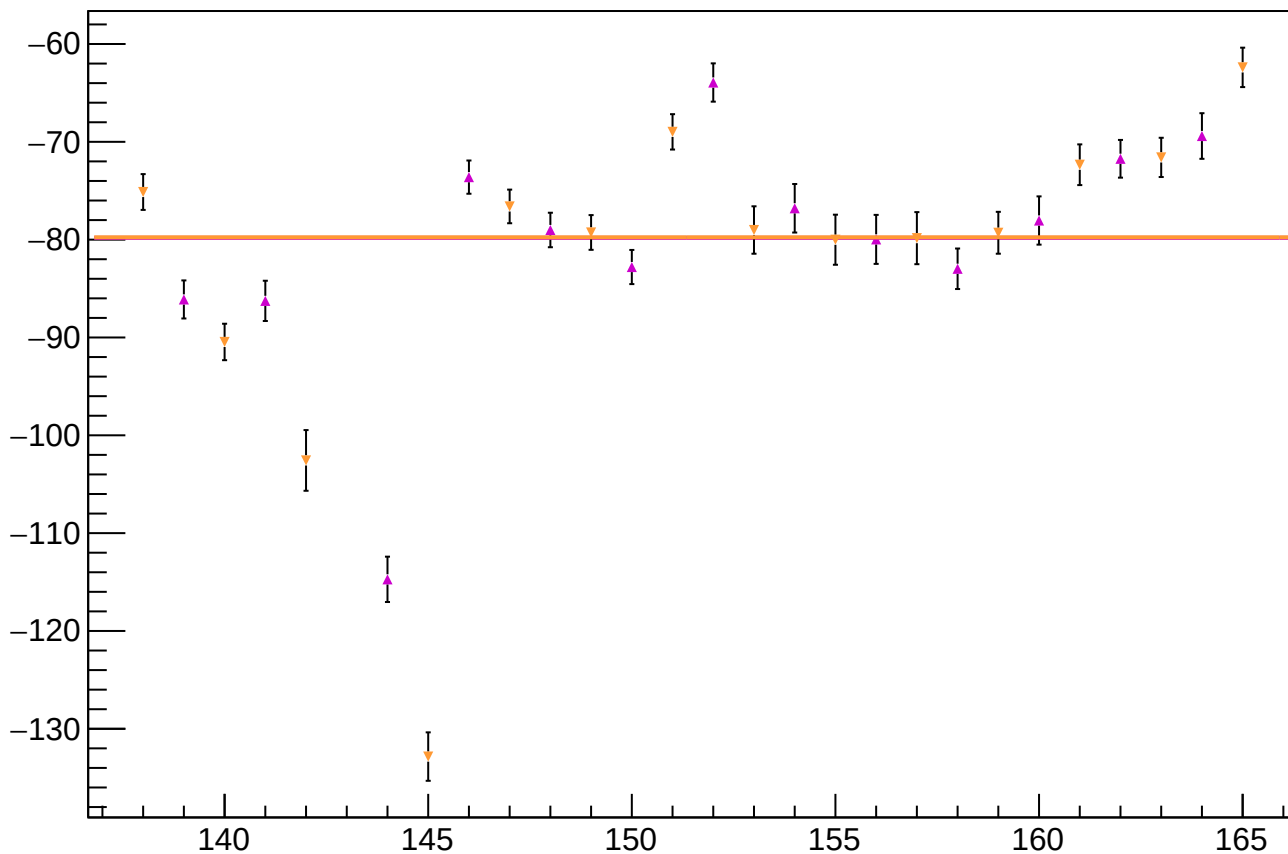
Left In: 0.212 ± 0.003 χ^2/NDF : 878.7/12

+ sign 0.122 ± 0.003 χ^2/NDF : 13646.4/31

All: 0.089 ± 0.002 χ^2/NDF : 28716.5/63

- sign 0.056 ± 0.003 χ^2/NDF : 14740.2/31

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -79.761+/-0.557 χ^2/NDF : 695.8/13

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

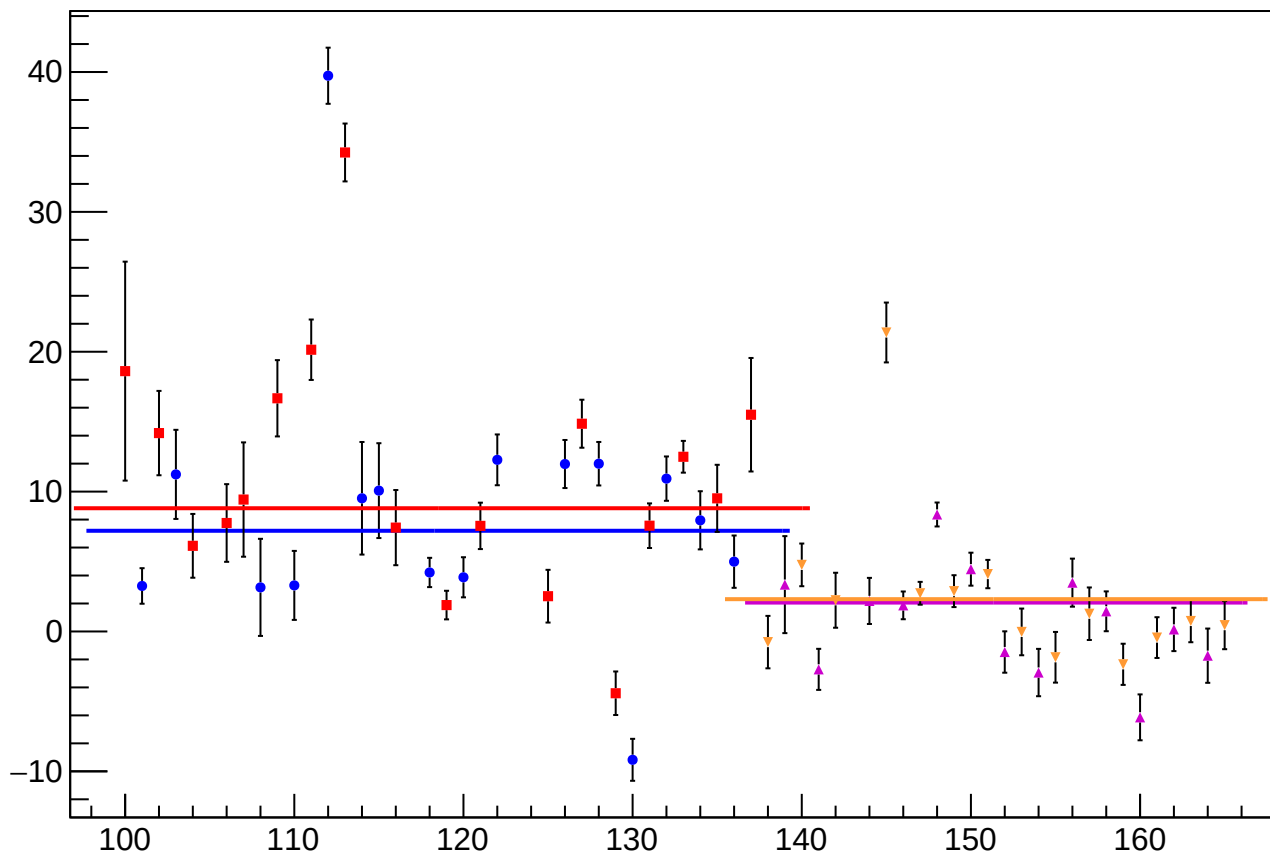
Left In: -79.815+/-0.566 χ^2/NDF : 371.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -79.788+/-0.397 χ^2/NDF : 1067.1/26

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 $\pm$ 0.440 χ^2 /NDF: 443.8/15

Left Out: 2.309 $\pm$ 0.375 χ^2 /NDF:111.7/13

Right Out: 8.810 $\pm$ 0.448 χ^2 /NDF: 349.7/17

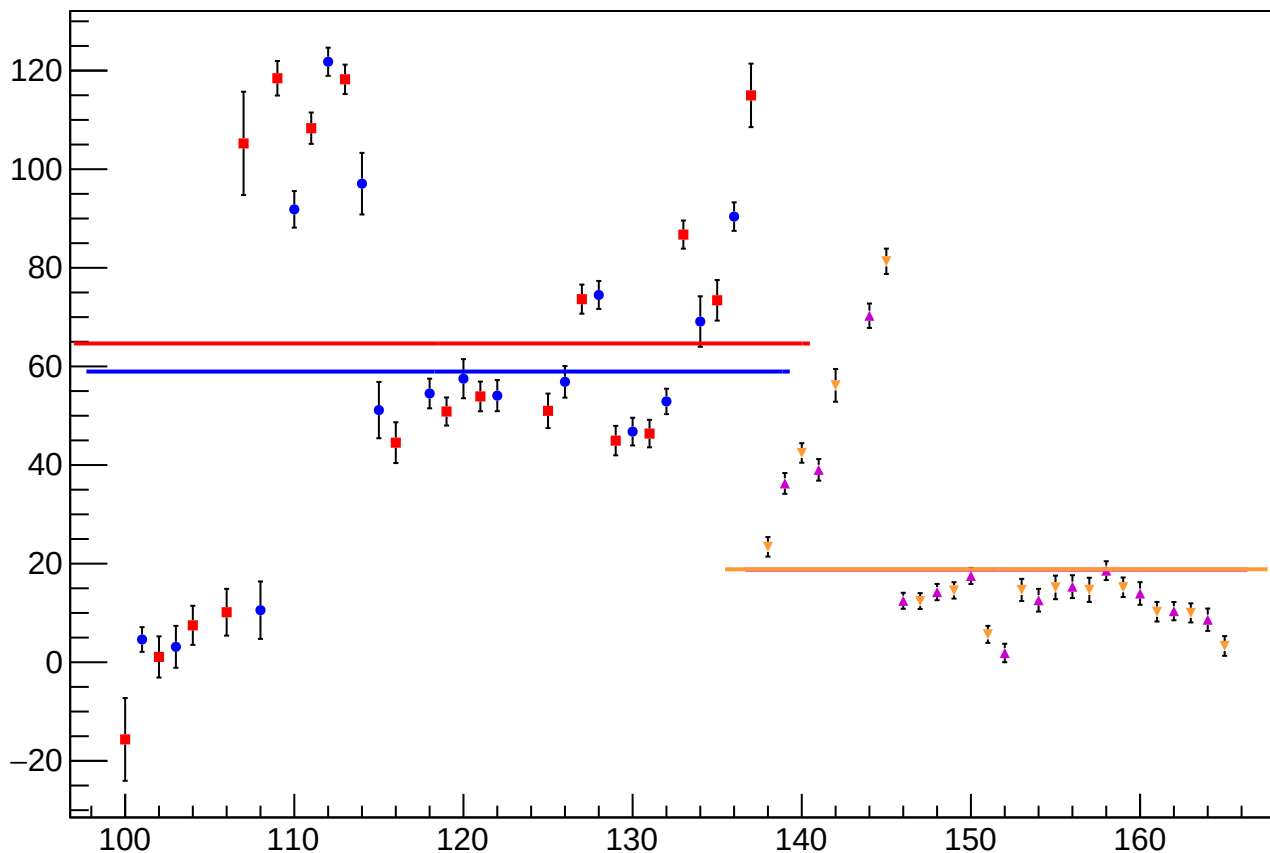
Left In: 2.065 $\pm$ 0.386 χ^2 /NDF:114.7/12

+ sign 4.372 $\pm$ 0.285 χ^2 /NDF: 627.0/29

All: 4.650 $\pm$ 0.204 χ^2 /NDF: 1223.4/60

- sign 4.941 $\pm$ 0.292 χ^2 /NDF: 594.5/30

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 18.858 $\pm$ 0.542 χ^2 /NDF:1057.3/13

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

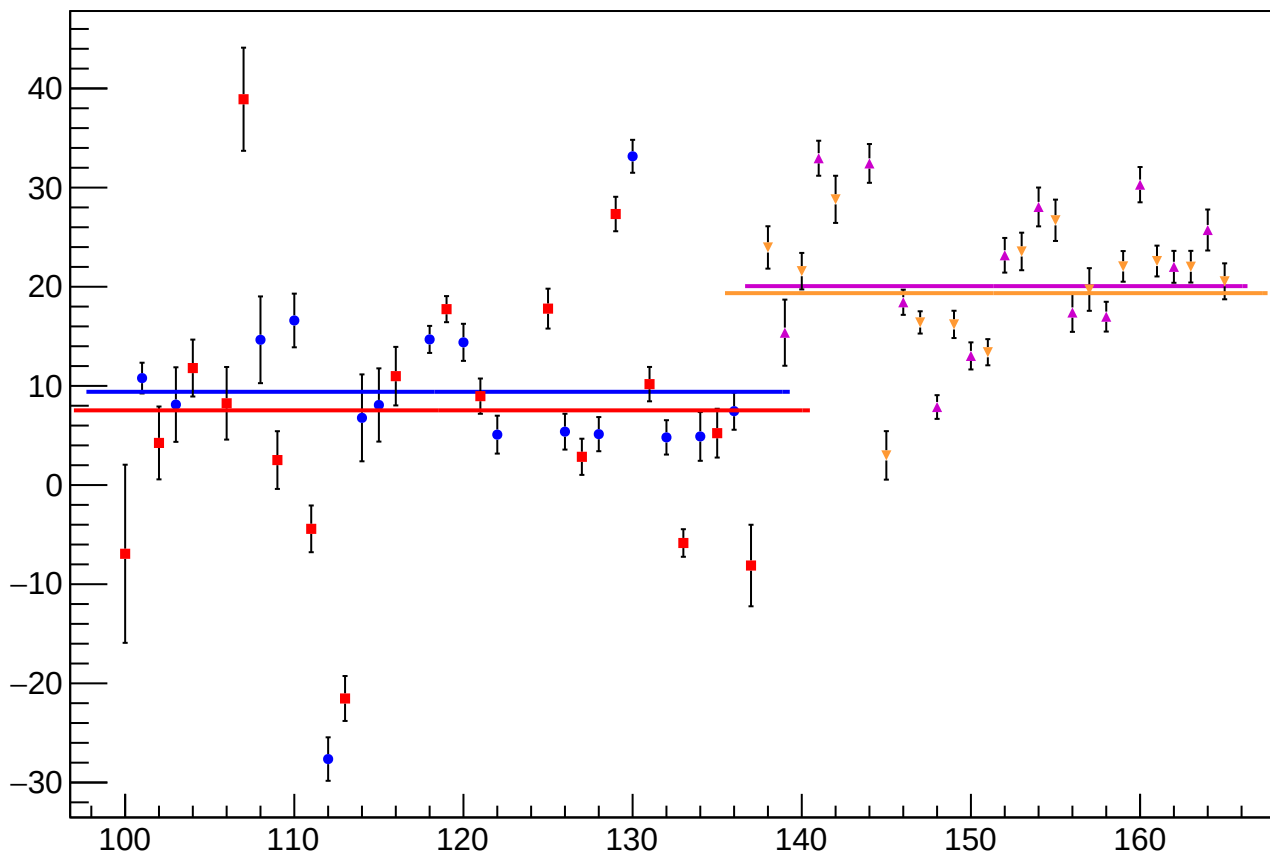
Left In: 18.786 $\pm$ 0.549 χ^2 /NDF:745.2/12

+ sign 30.717 $\pm$ 0.455 χ^2 /NDF: 4170.9/29

All: 31.600 $\pm$ 0.323 χ^2 /NDF: 8735.7/60

- sign 32.500 $\pm$ 0.459 χ^2 /NDF: 4557.1/30

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 19.355 ± 0.447 $\chi^2/\text{NDF}: 127.2/13$

Right Out: 7.533 ± 0.515 $\chi^2/\text{NDF}: 569.8/17$

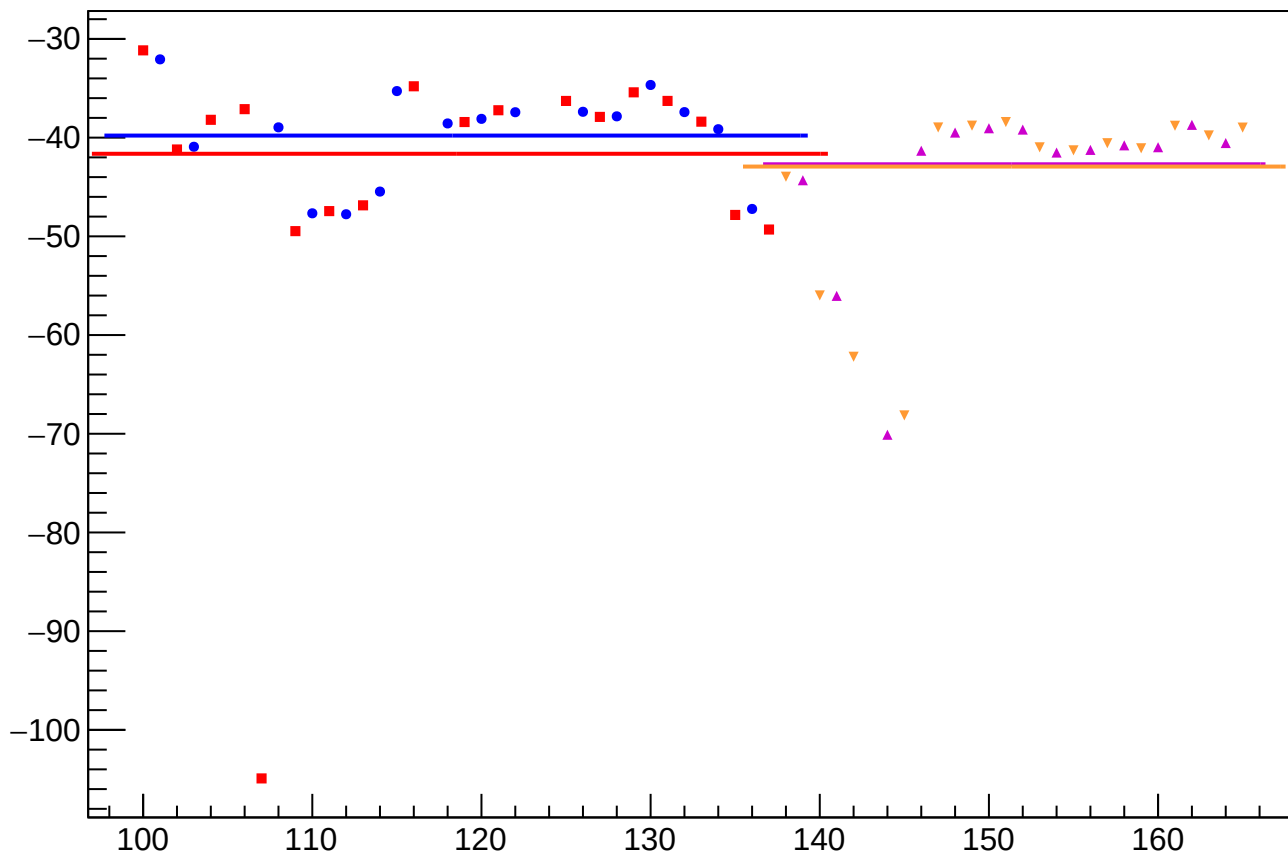
Left In: 20.063 ± 0.459 $\chi^2/\text{NDF}: 295.3/12$

+ sign 15.001 ± 0.335 $\chi^2/\text{NDF}: 893.6/29$

All: 14.766 ± 0.240 $\chi^2/\text{NDF}: 2089.9/60$

- sign 14.520 ± 0.342 $\chi^2/\text{NDF}: 1195.3/30$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -42.931 ± 0.022 χ^2/NDF : 124457.6/13

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

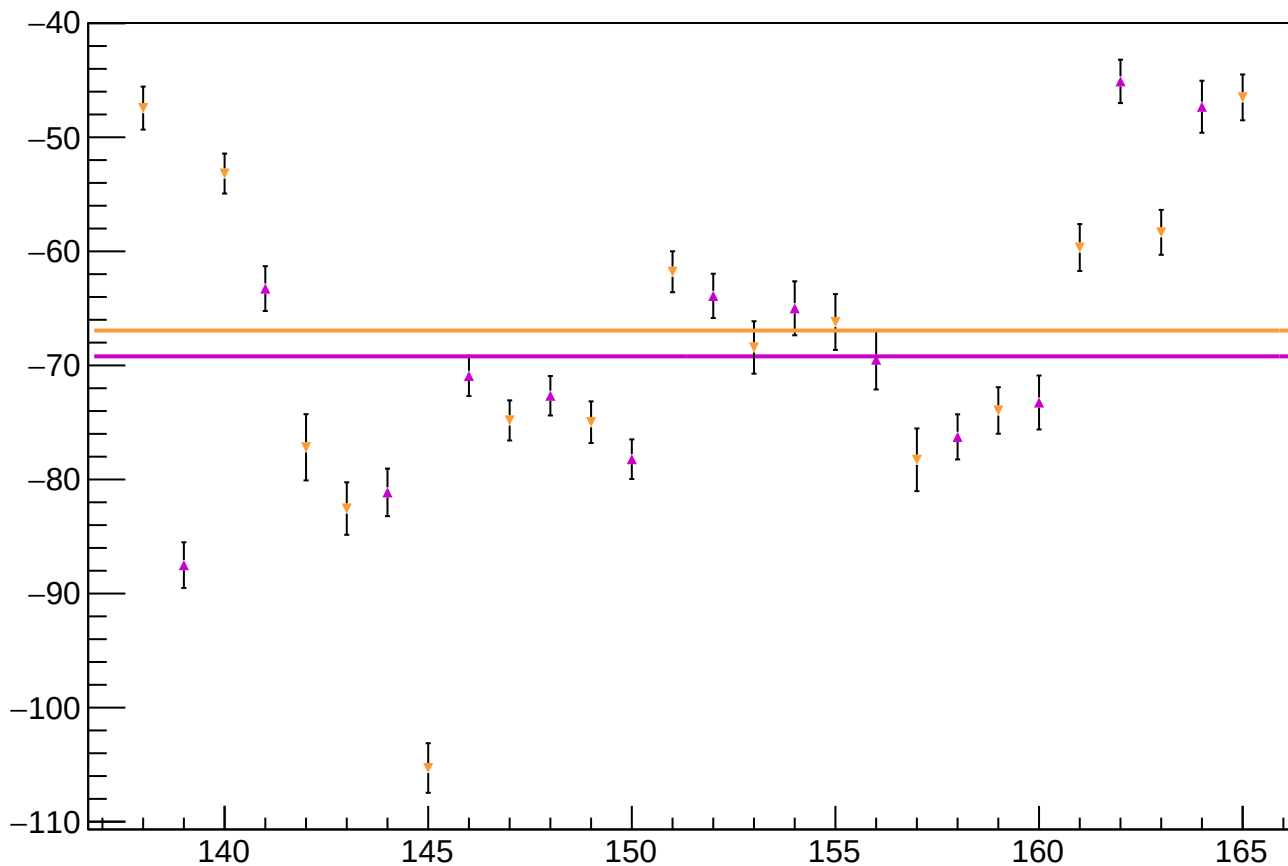
Left In: -42.700 ± 0.022 χ^2/NDF : 99264.3/12

+ sign -41.915 ± 0.018 χ^2/NDF : 157434.7/29

All: -42.134 ± 0.013 χ^2/NDF : 352182.1/60

- sign -42.354 ± 0.018 χ^2/NDF : 194442.5/30

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -66.943+/-0.532 χ^2/NDF : 750.5/14

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

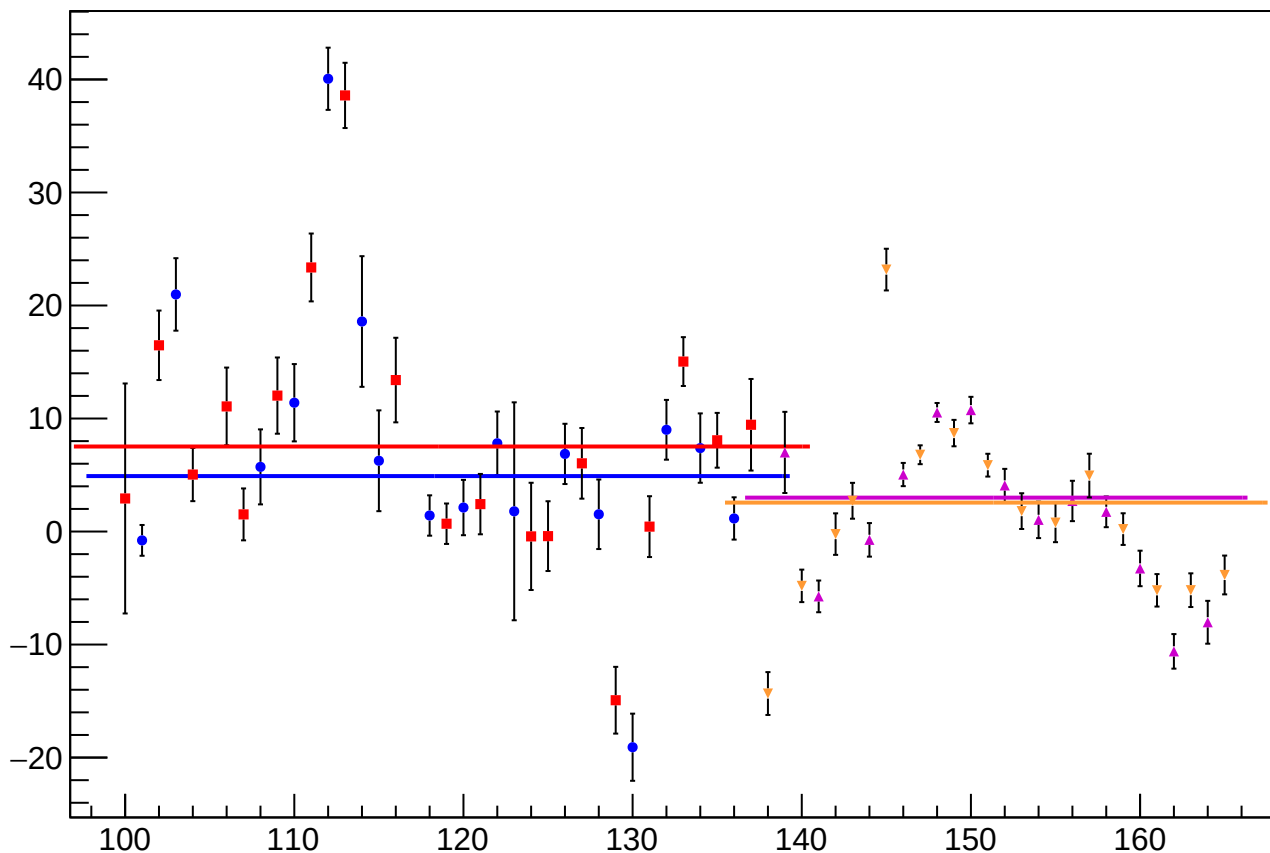
Left In: -69.206+/-0.557 χ^2/NDF : 435.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -68.022+/-0.385 χ^2/NDF : 1195.1/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 $\pm$ 0.628 χ^2 /NDF: 295.4/16

Left Out: 2.560 $\pm$ 0.361 χ^2 /NDF: 372.8/14

Right Out: 7.523 $\pm$ 0.651 χ^2 /NDF: 270.6/18

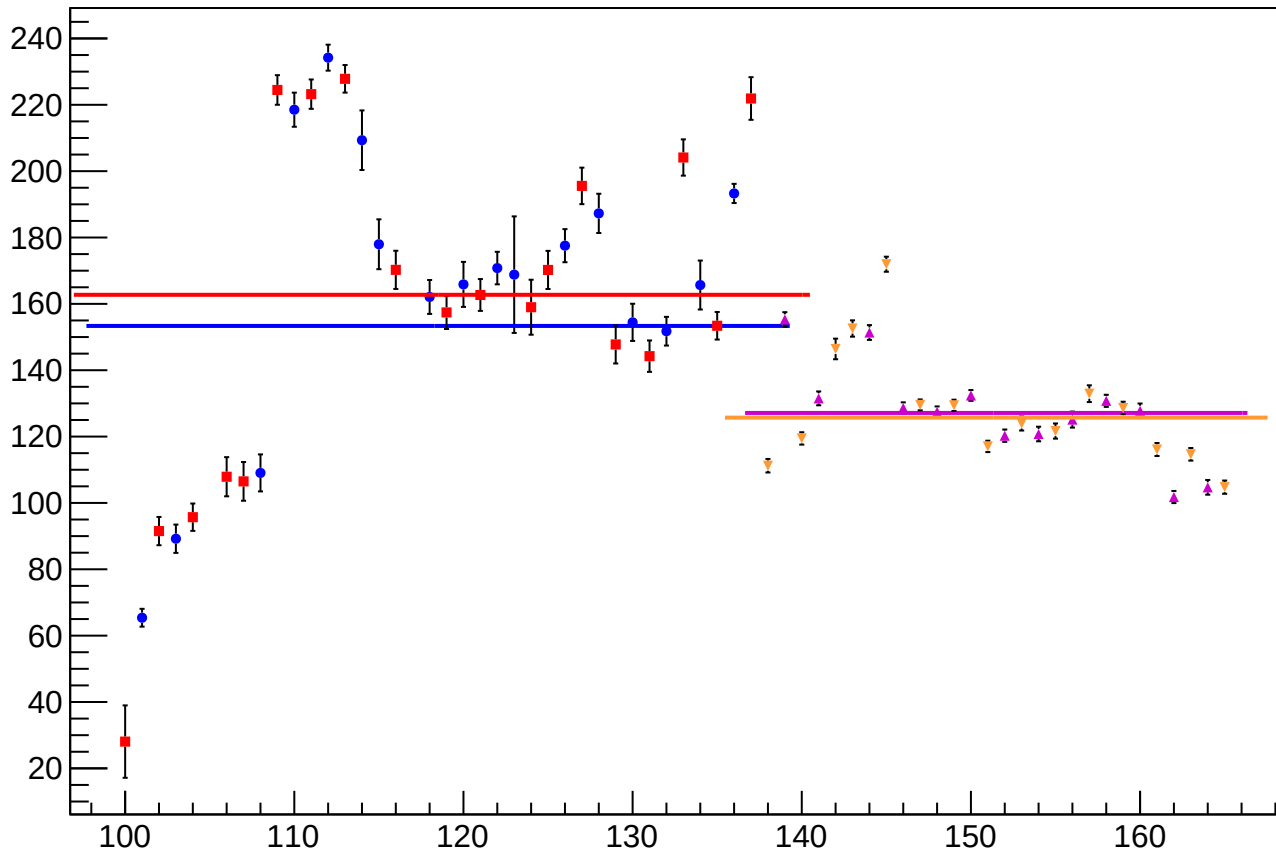
Left In: 2.999 $\pm$ 0.379 χ^2 /NDF: 306.3/12

+ sign 3.143 $\pm$ 0.313 χ^2 /NDF: 678.8/31

All: 3.621 $\pm$ 0.226 χ^2 /NDF: 1296.7/63

- sign 4.147 $\pm$ 0.328 χ^2 /NDF: 613.0/31

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 125.712 $\pm$ 0.521 χ^2 /NDF:858.5/14

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

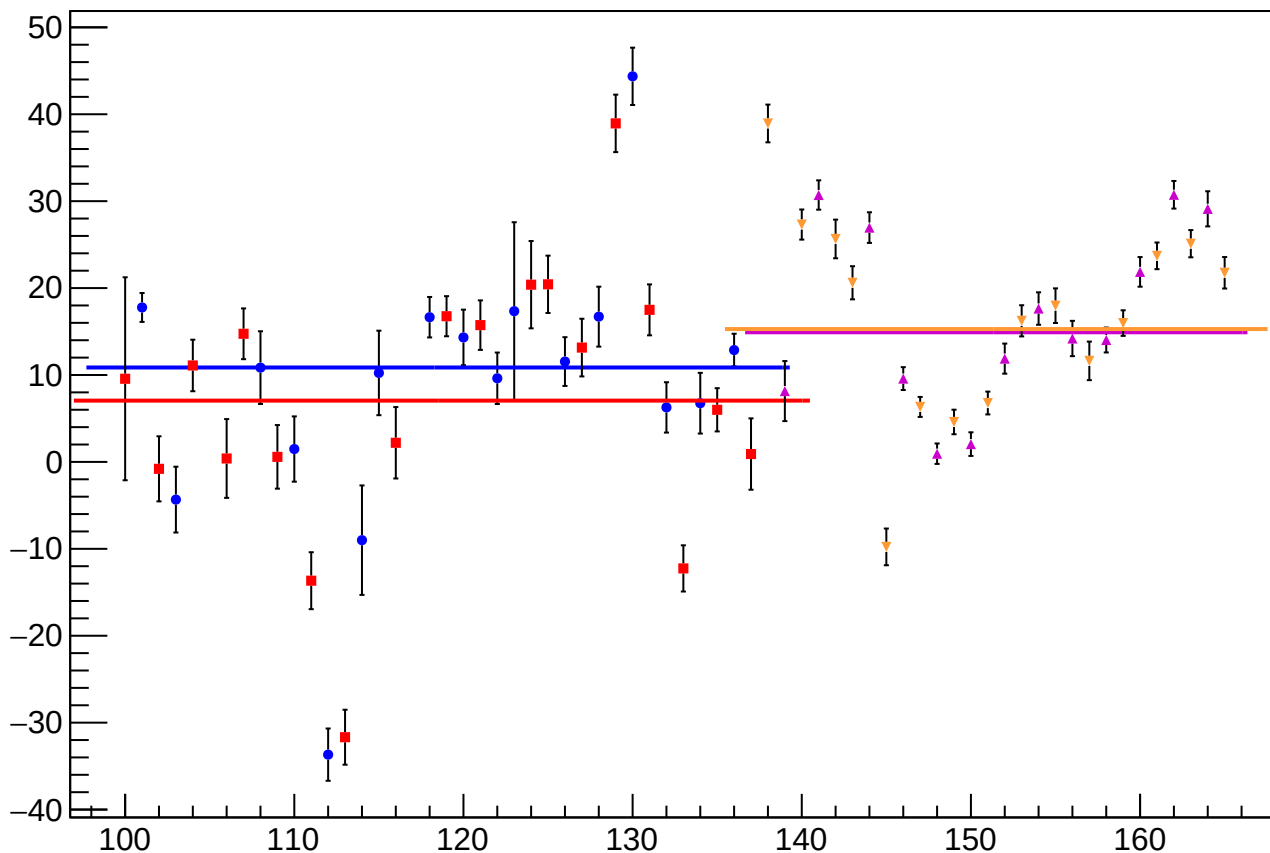
Left In: 127.126 $\pm$ 0.540 χ^2 /NDF:622.3/12

+ sign 130.421 $\pm$ 0.475 χ^2 /NDF: 3605.8/31

All: 131.823 $\pm$ 0.341 χ^2 /NDF: 6711.1/63

- sign 133.322 $\pm$ 0.491 χ^2 /NDF: 3087.3/31

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 15.284 $\pm$ 0.428 χ^2 /NDF: 584.5/14

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

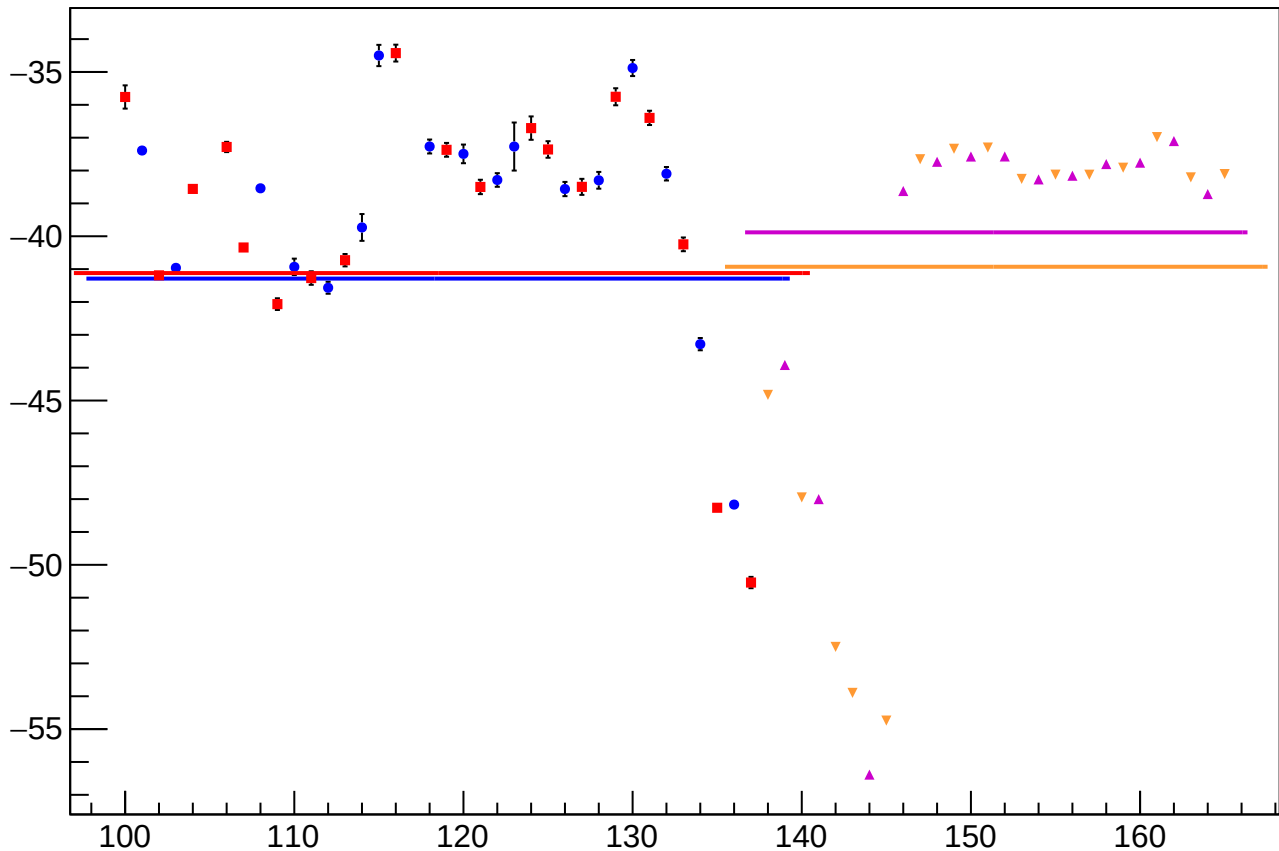
Left In: 14.914 $\pm$ 0.450 χ^2 /NDF: 556.5/12

+ sign 14.128 $\pm$ 0.368 χ^2 /NDF: 1000.3/31

All: 13.505 $\pm$ 0.266 χ^2 /NDF: 2068.6/63

- sign 12.822 $\pm$ 0.386 χ^2 /NDF: 1062.4/31

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -40.928 ± 0.021 $\chi^2/\text{NDF}: 76804.1/14$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

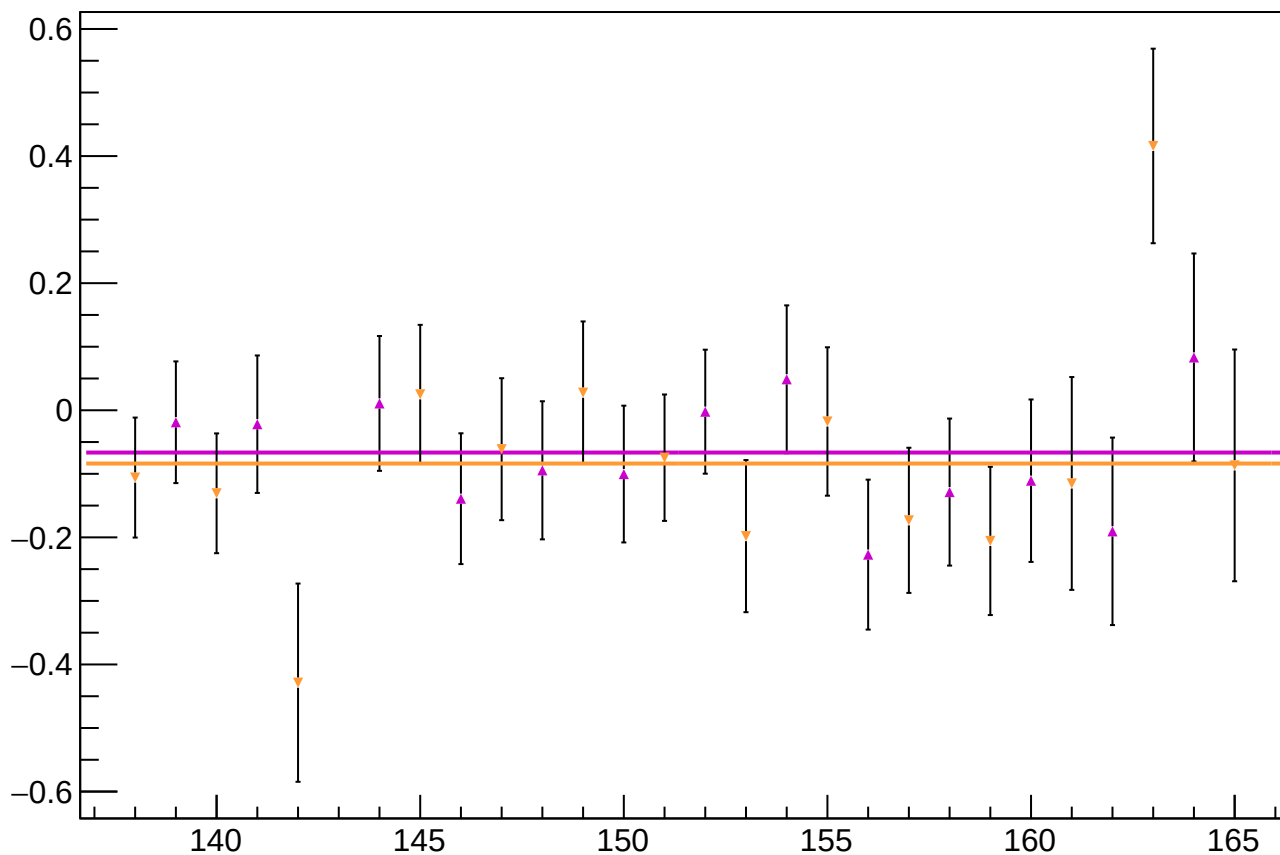
Left In: -39.881 ± 0.021 $\chi^2/\text{NDF}: 48154.0/12$

+ sign -41.009 ± 0.018 $\chi^2/\text{NDF}: 89380.8/31$

All: -40.599 ± 0.013 $\chi^2/\text{NDF}: 151461.3/63$

- sign -40.171 ± 0.019 $\chi^2/\text{NDF}: 61051.8/31$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.084 $\pm$ 0.031 χ^2 /NDF: 20.8/13

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

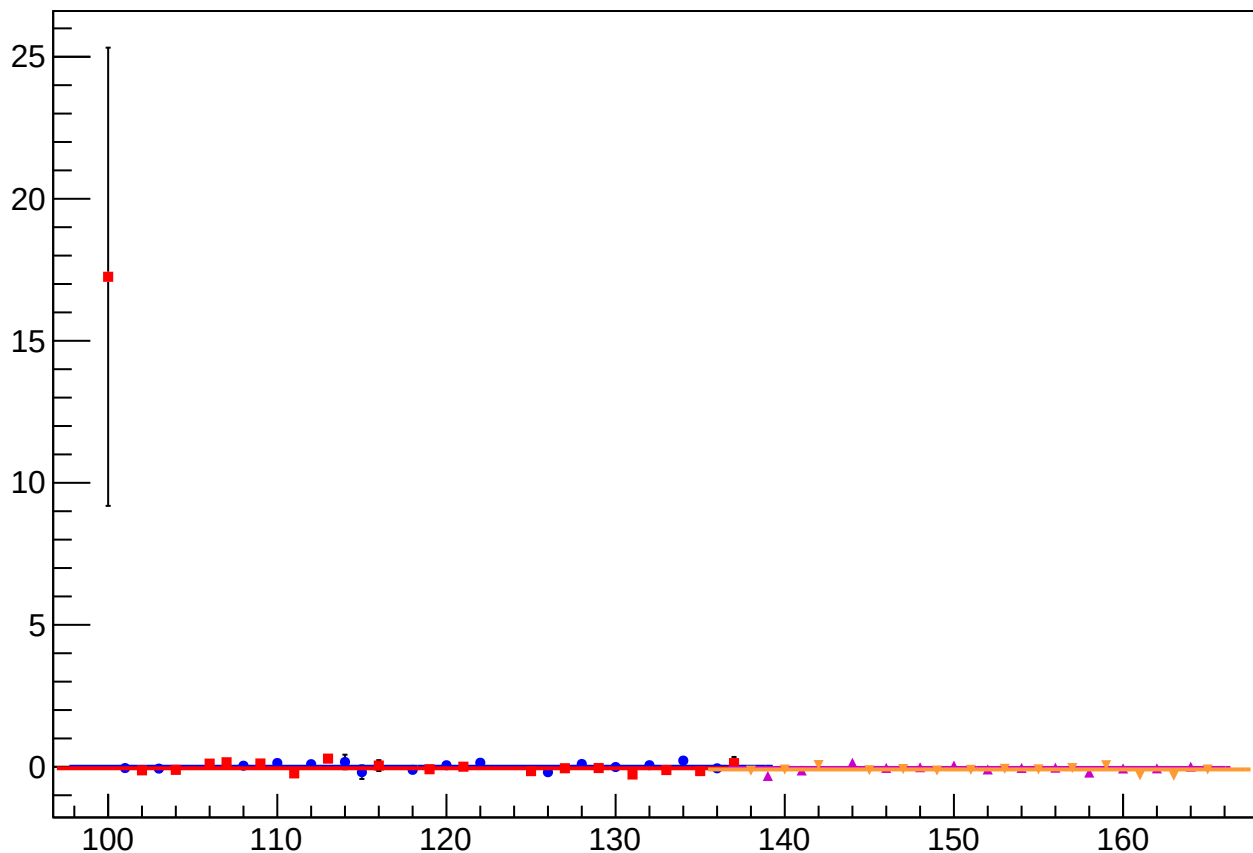
Left In: -0.067 $\pm$ 0.031 χ^2 /NDF: 6.8/12

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

All: -0.075 $\pm$ 0.022 χ^2 /NDF: 27.8/26

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

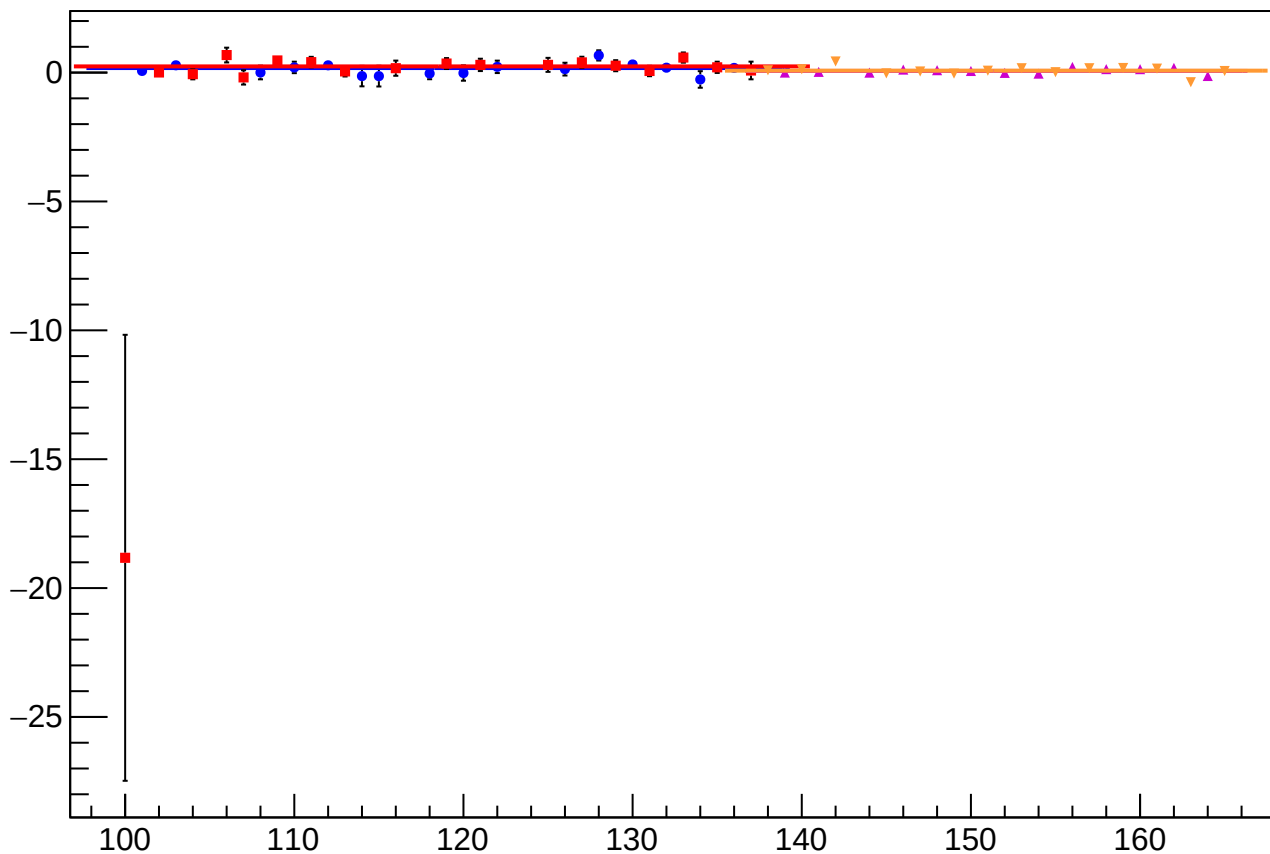
reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15
Left Out: -0.090 ± 0.022 χ^2/NDF : 13.7/13
Right Out: -0.050 ± 0.029 χ^2/NDF : 25.6/17
Left In: -0.039 ± 0.022 χ^2/NDF : 16.2/12

+ sign -0.056 ± 0.017 χ^2/NDF : 32.9/29
All: -0.049 ± 0.012 χ^2/NDF : 75.1/60
- sign -0.043 ± 0.018 χ^2/NDF : 41.9/30

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 ± 0.053 $\chi^2/\text{NDF}: 13.0/15$

Left Out: 0.074 ± 0.031 $\chi^2/\text{NDF}: 19.2/13$

Right Out: 0.240 ± 0.054 $\chi^2/\text{NDF}: 21.6/17$

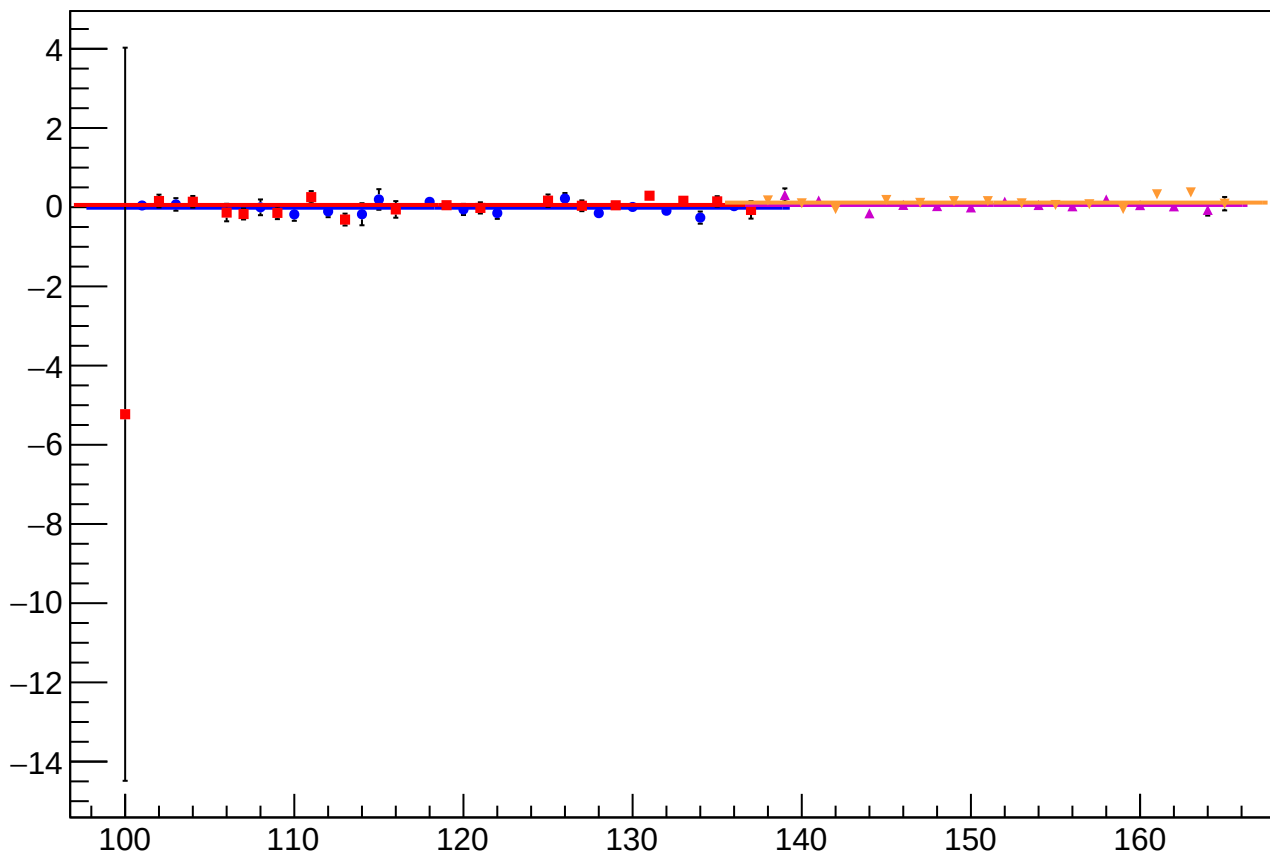
Left In: 0.063 ± 0.030 $\chi^2/\text{NDF}: 7.7/12$

+ sign 0.100 ± 0.027 $\chi^2/\text{NDF}: 35.0/29$

All: 0.103 ± 0.019 $\chi^2/\text{NDF}: 72.5/60$

- sign 0.106 ± 0.027 $\chi^2/\text{NDF}: 37.5/30$

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.116 ± 0.026 χ^2/NDF : 14.5/13

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

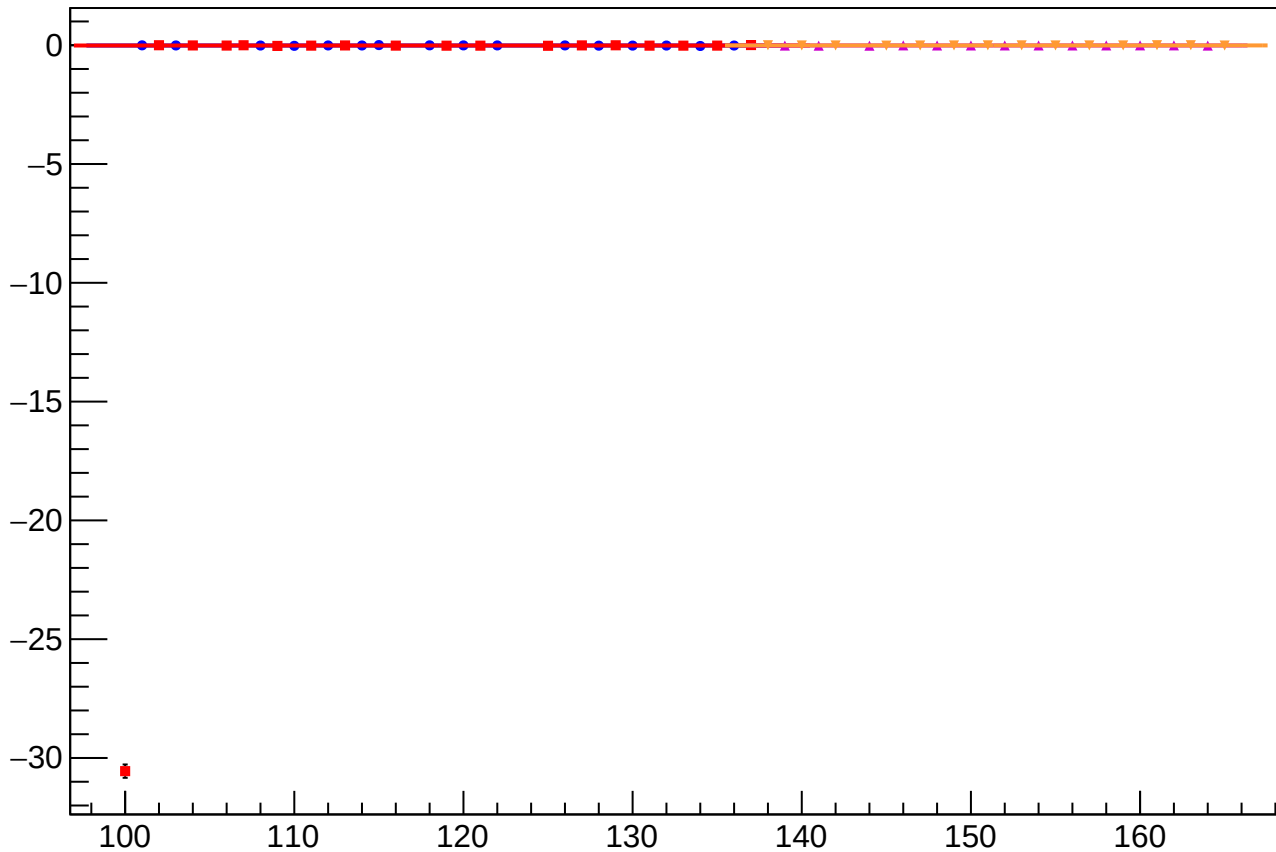
Left In: 0.057 ± 0.026 χ^2/NDF : 14.6/12

+ sign 0.067 ± 0.020 χ^2/NDF : 37.6/29

All: 0.062 ± 0.014 χ^2/NDF : 72.7/60

- sign 0.057 ± 0.021 χ^2/NDF : 34.9/30

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:12.3/13

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

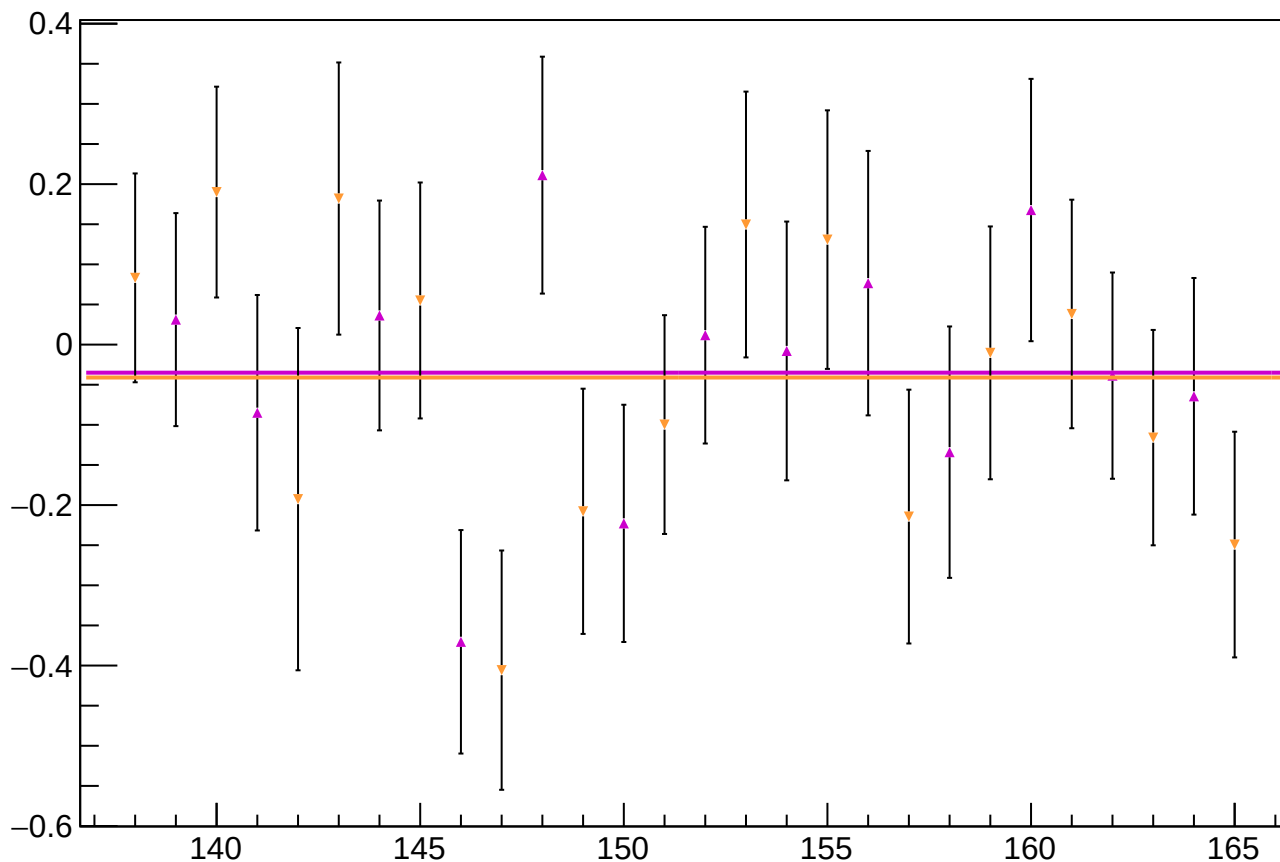
Left In: -0.011 $\pm$ 0.001 χ^2 /NDF:11.6/12

+ sign -0.009 $\pm$ 0.001 χ^2 /NDF: 27.9/29

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11932.7/60

- sign -0.011 $\pm$ 0.001 χ^2 /NDF: 11903.5/30

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.041 $\pm$ 0.039 χ^2 /NDF: 20.5/14

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

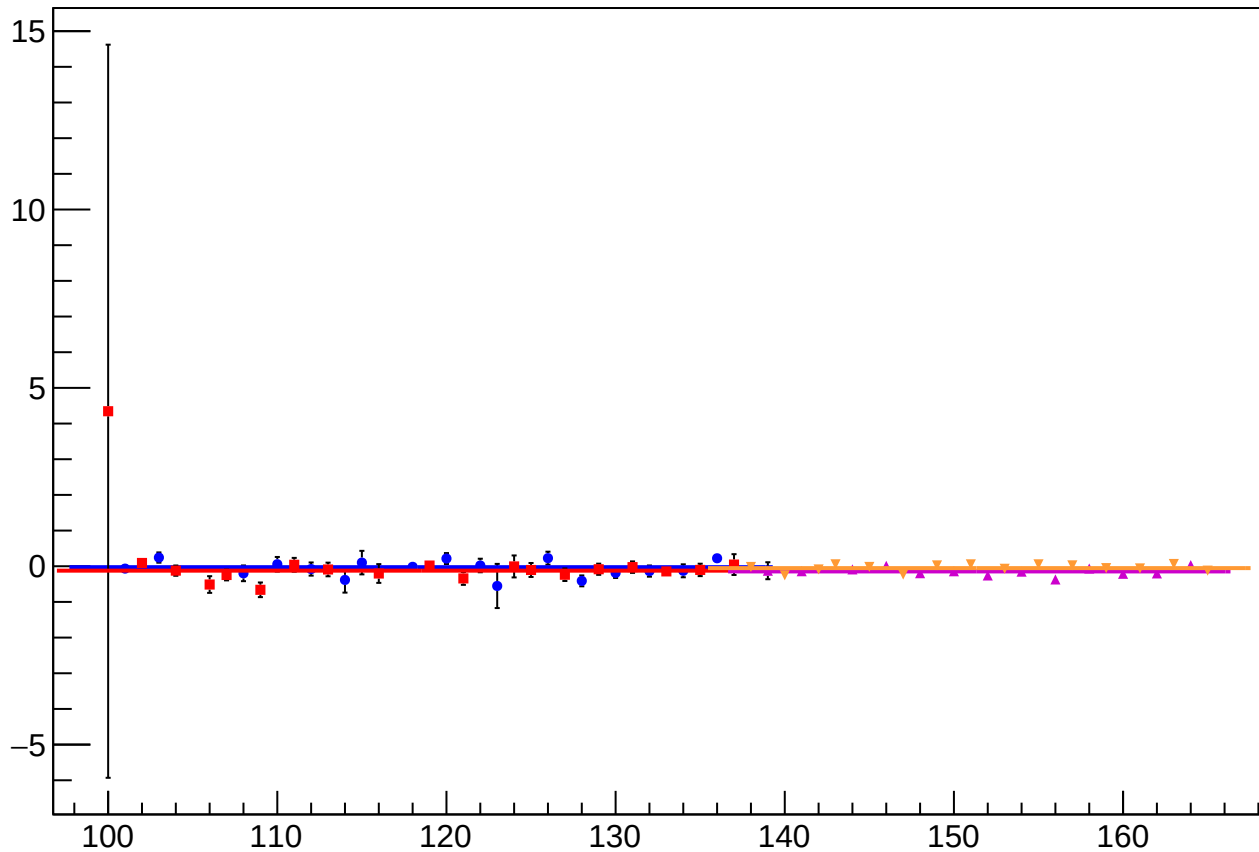
Left In: -0.035 $\pm$ 0.040 χ^2 /NDF: 13.4/12

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

All: -0.038 $\pm$ 0.028 χ^2 /NDF: 33.9/27

- 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: -0.053 ± 0.027 χ^2/NDF : 16.4/14

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

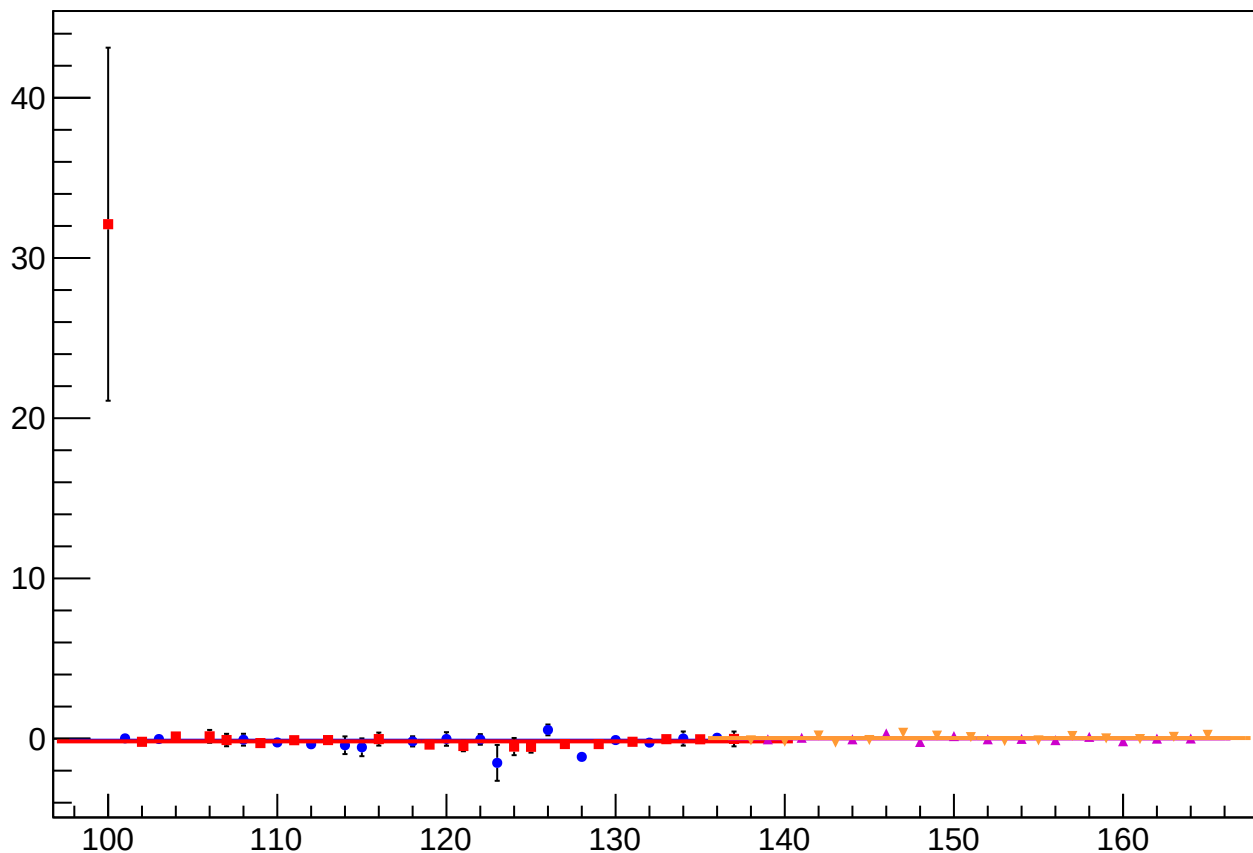
Left In: -0.145 ± 0.029 χ^2/NDF : 12.9/12

+ sign -0.043 ± 0.022 χ^2/NDF : 39.4/31

All: -0.088 ± 0.016 χ^2/NDF : 79.7/63

- sign -0.138 ± 0.023 χ^2/NDF : 31.4/31

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.034 ± 0.038 χ^2/NDF : 20.0/14

Right Out: -0.172 ± 0.071 χ^2/NDF : 14.9/18

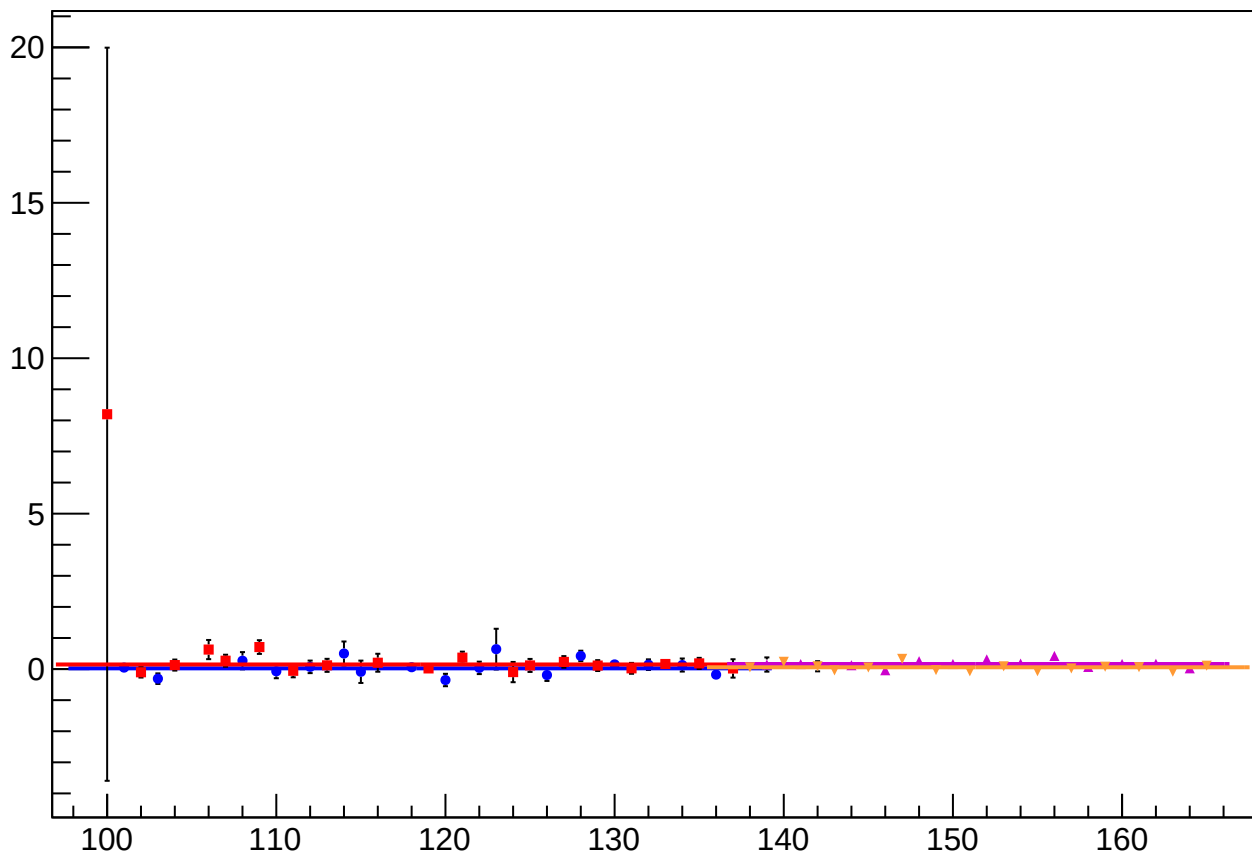
Left In: 0.009 ± 0.039 χ^2/NDF : 11.9/12

+ sign -0.005 ± 0.033 χ^2/NDF : 47.6/31

All: -0.019 ± 0.024 χ^2/NDF : 79.8/63

- sign -0.034 ± 0.034 χ^2/NDF : 31.8/31

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.058 ± 0.032 χ^2/NDF : 15.3/14

Right Out: 0.148 ± 0.045 χ^2/NDF : 16.6/18

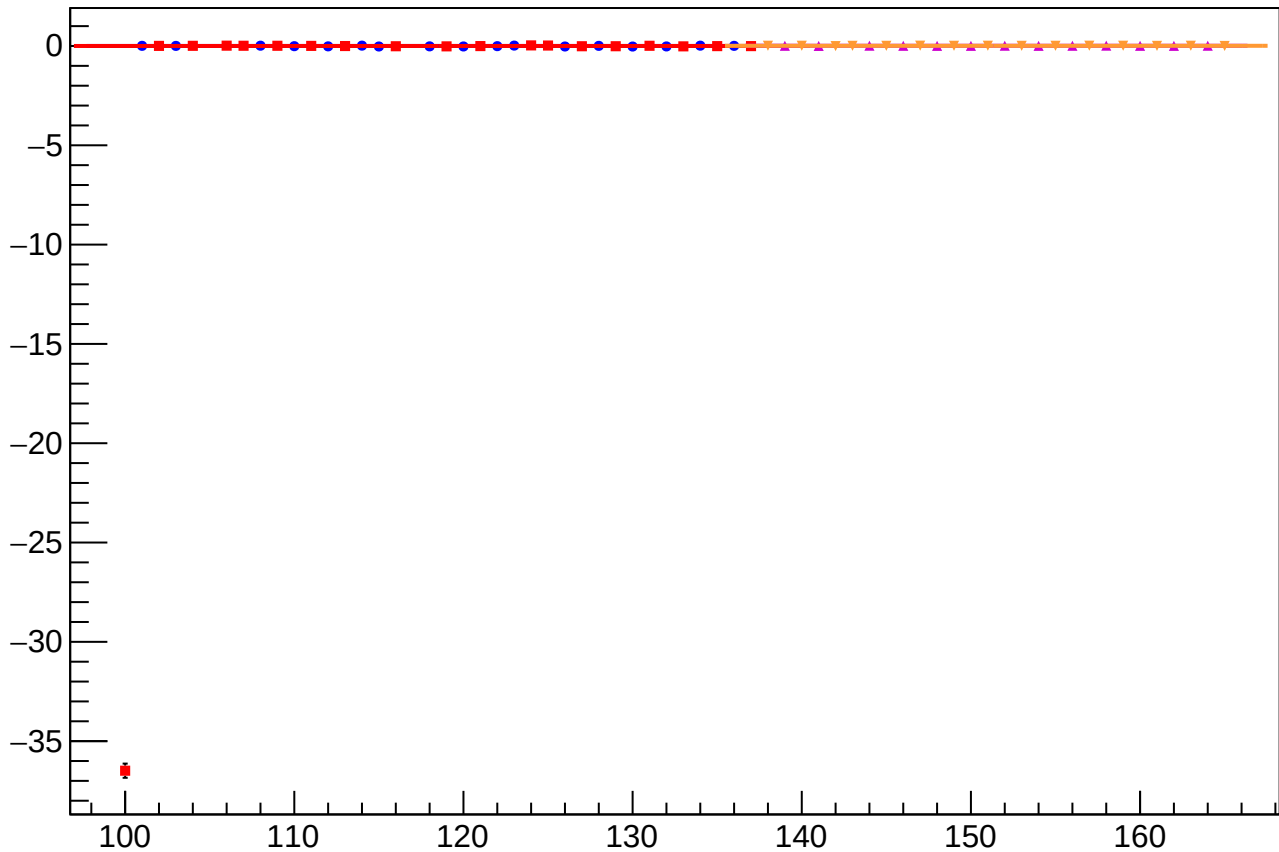
Left In: 0.163 ± 0.033 χ^2/NDF : 11.9/12

+ sign 0.045 ± 0.025 χ^2/NDF : 37.1/31

All: 0.098 ± 0.018 χ^2/NDF : 74.8/63

- sign 0.158 ± 0.027 χ^2/NDF : 28.6/31

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 30.6/16

Left Out: 0.010 ± 0.001 χ^2/NDF : 8.8/14

Right Out: 0.001 ± 0.002 χ^2/NDF : 10449.1/18

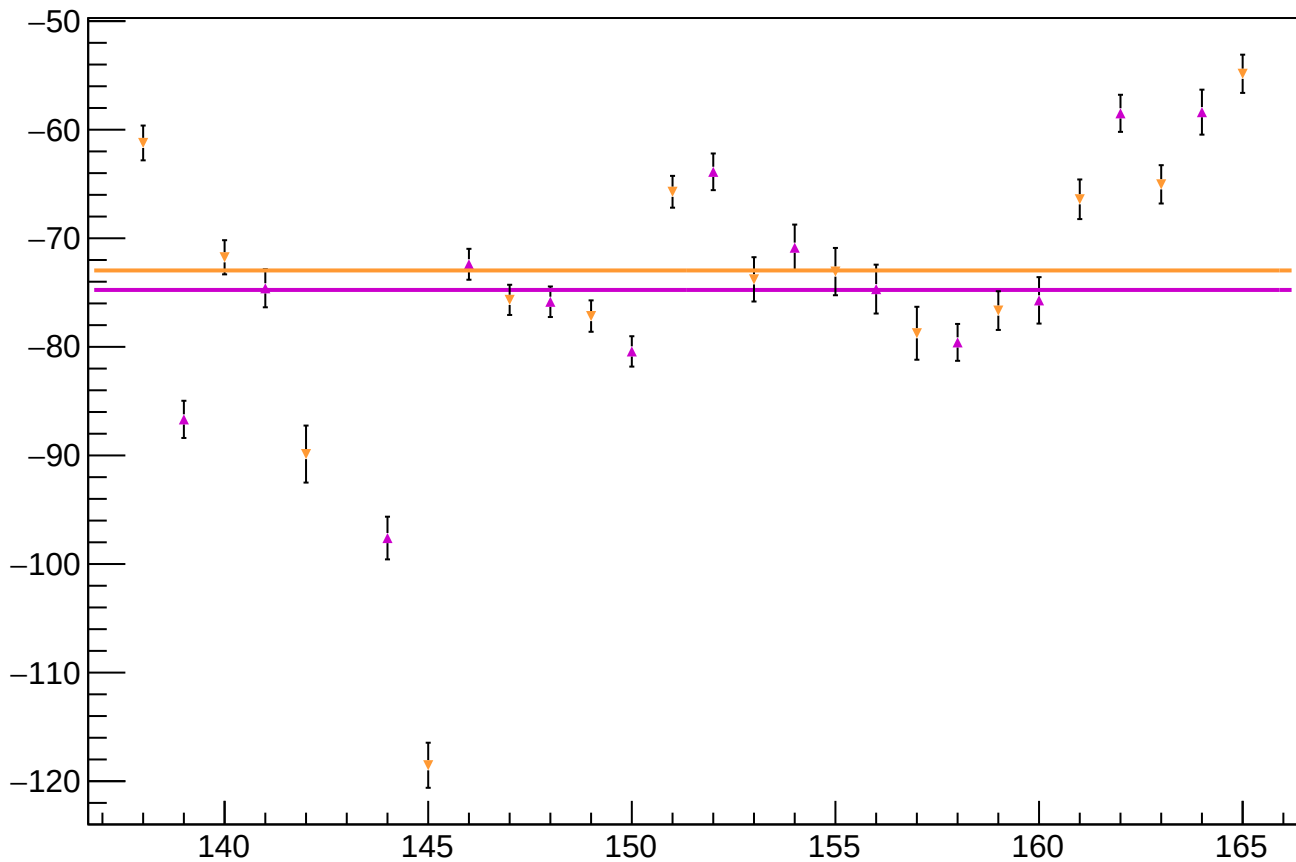
Left In: 0.011 ± 0.002 χ^2/NDF : 5.5/12

+ sign 0.007 ± 0.001 χ^2/NDF : 49.4/31

All: 0.008 ± 0.001 χ^2/NDF : 10517.0/63

- sign 0.008 ± 0.001 χ^2/NDF : 10467.5/31

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -72.963+/-0.471 χ^2/NDF : 763.6/13

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

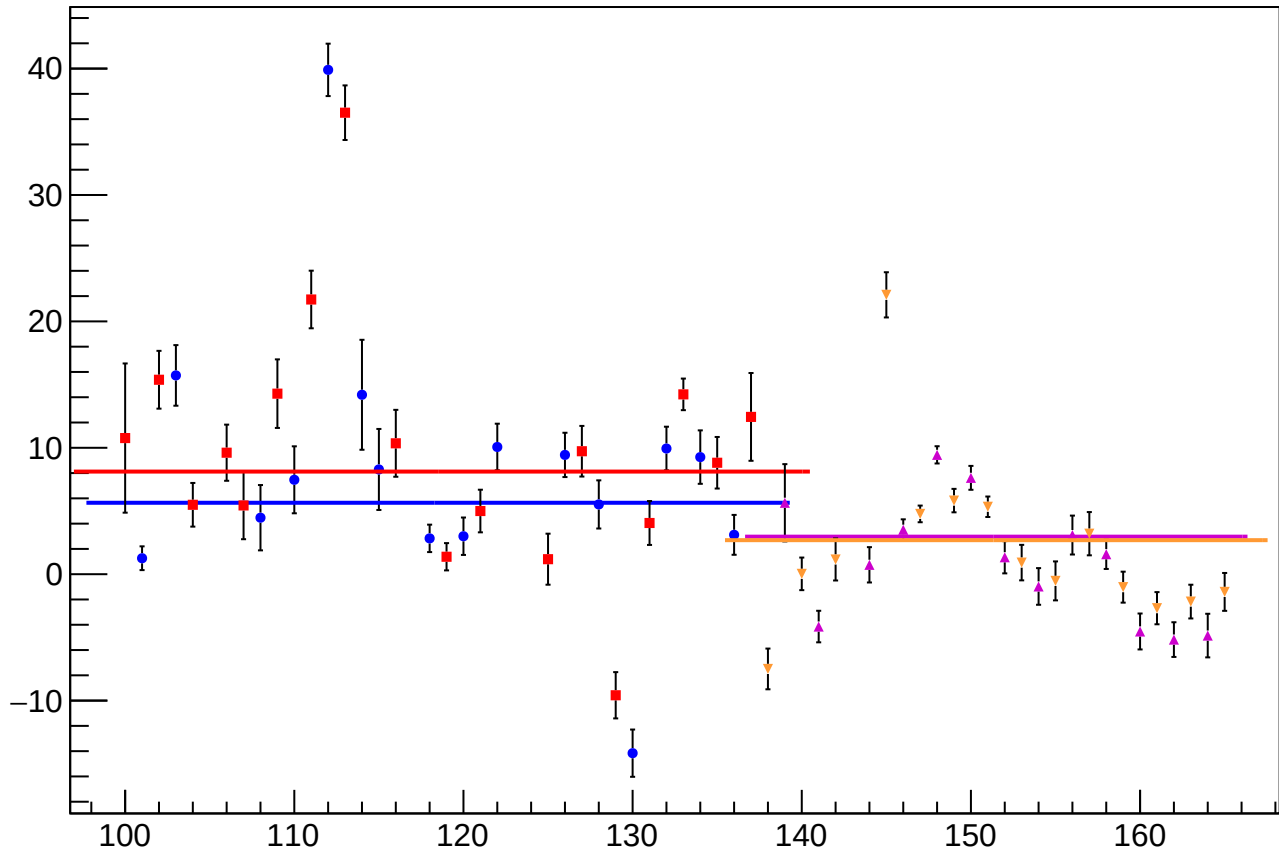
Left In: -74.758+/-0.480 χ^2/NDF : 409.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -73.844+/-0.336 χ^2/NDF : 1180.4/26

- 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: 2.692 ± 0.313 χ^2/NDF : 248.7/13

Right Out: 8.119 ± 0.453 χ^2/NDF : 407.9/17

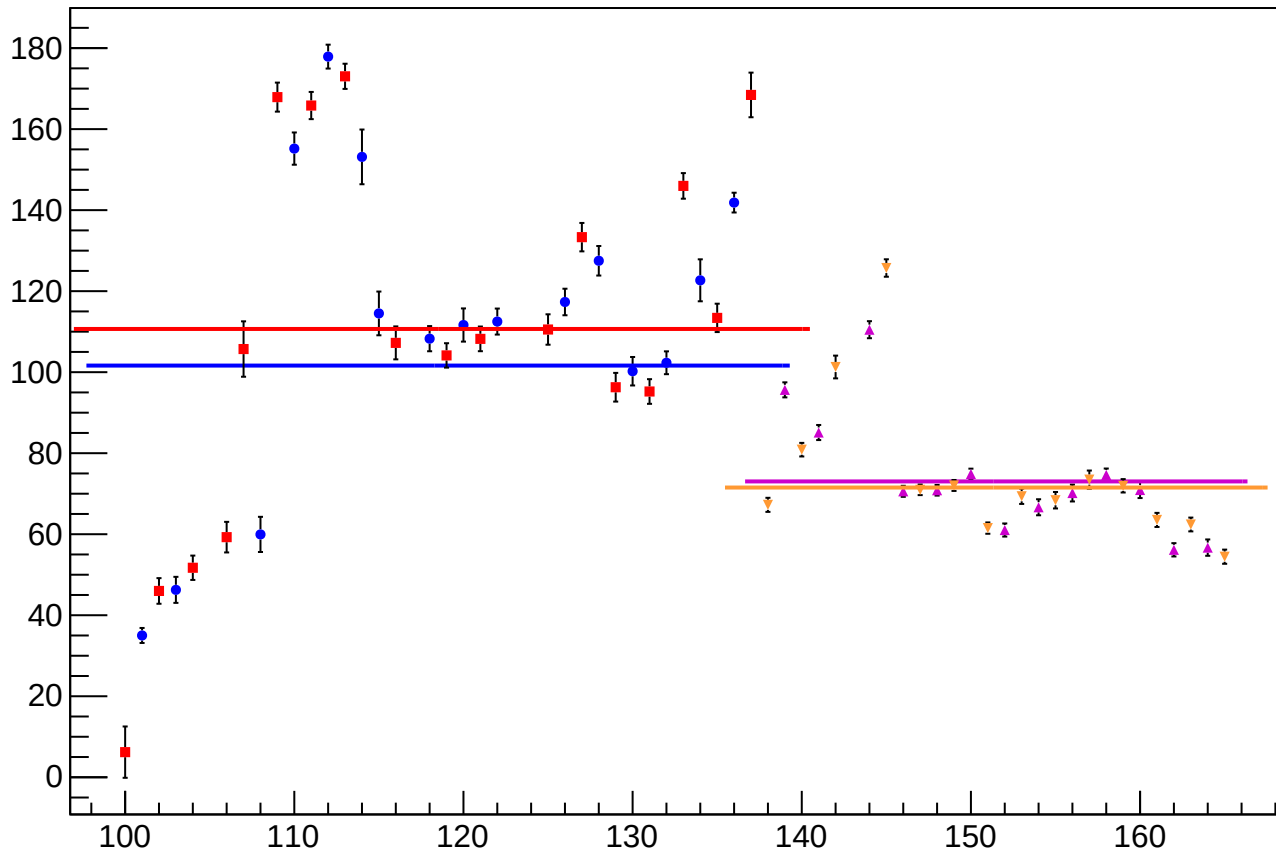
Left In: 2.970 ± 0.323 χ^2/NDF : 244.6/12

+ sign 3.719 ± 0.253 χ^2/NDF : 741.7/29

All: 4.193 ± 0.182 χ^2/NDF : 1487.3/60

- sign 4.705 ± 0.263 χ^2/NDF : 738.3/30

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 ± 0.812 χ^2/NDF : 2980.2/15

Left Out: 71.523 ± 0.458 χ^2/NDF : 983.2/13

Right Out: 110.669 ± 0.836 χ^2/NDF : 2514.0/17

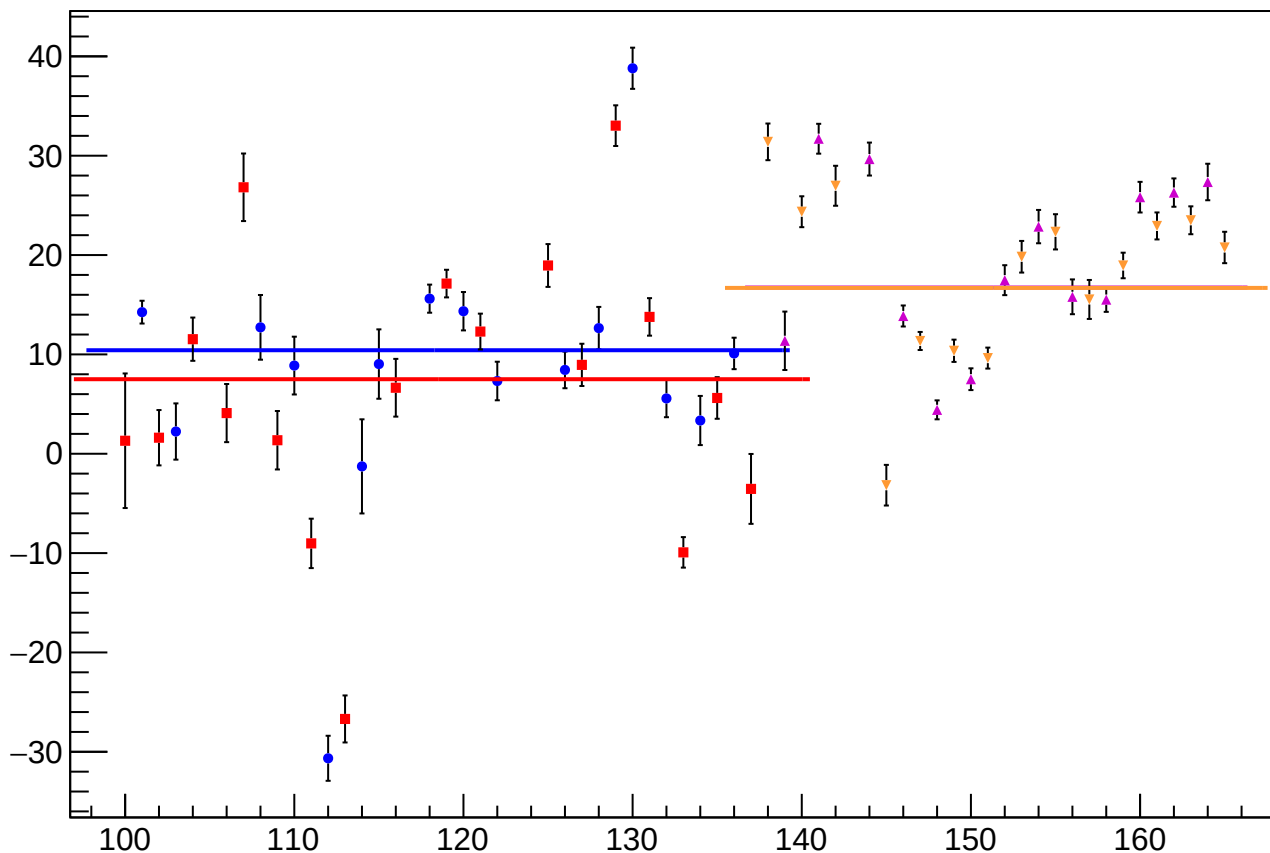
Left In: 73.033 ± 0.464 χ^2/NDF : 756.0/12

+ sign 78.786 ± 0.399 χ^2/NDF : 5006.4/29

All: 80.312 ± 0.284 χ^2/NDF : 9855.6/60

- sign 81.890 ± 0.406 χ^2/NDF : 4819.5/30

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 16.693 $\pm$ 0.375 χ^2 /NDF: 388.0/13

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

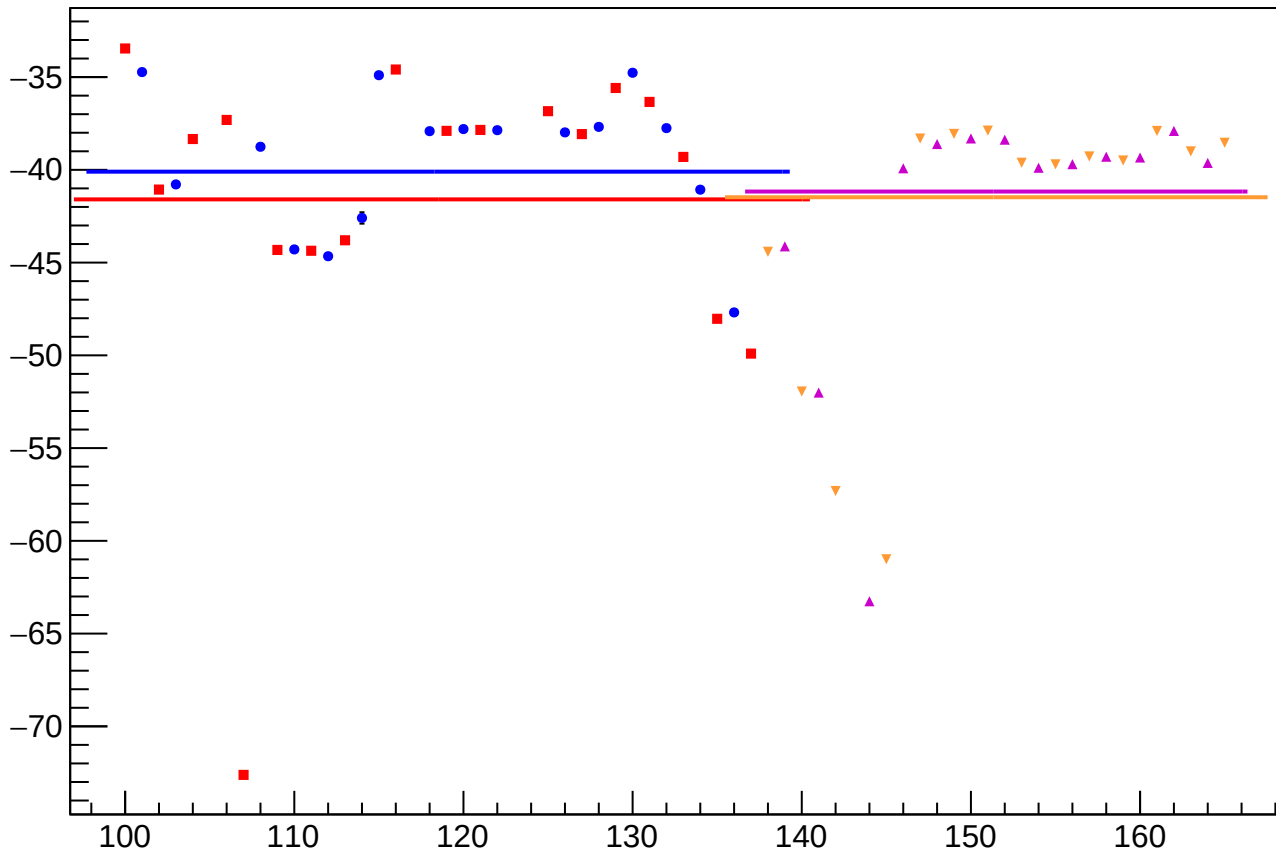
Left In: 16.731 $\pm$ 0.385 χ^2 /NDF: 536.4/12

+ sign 14.422 $\pm$ 0.299 χ^2 /NDF: 1069.2/29

All: 13.971 $\pm$ 0.215 χ^2 /NDF: 2501.6/60

- sign 13.487 $\pm$ 0.310 χ^2 /NDF: 1427.6/30

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -41.478 ± 0.018 χ^2/NDF : 113194.1/13

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

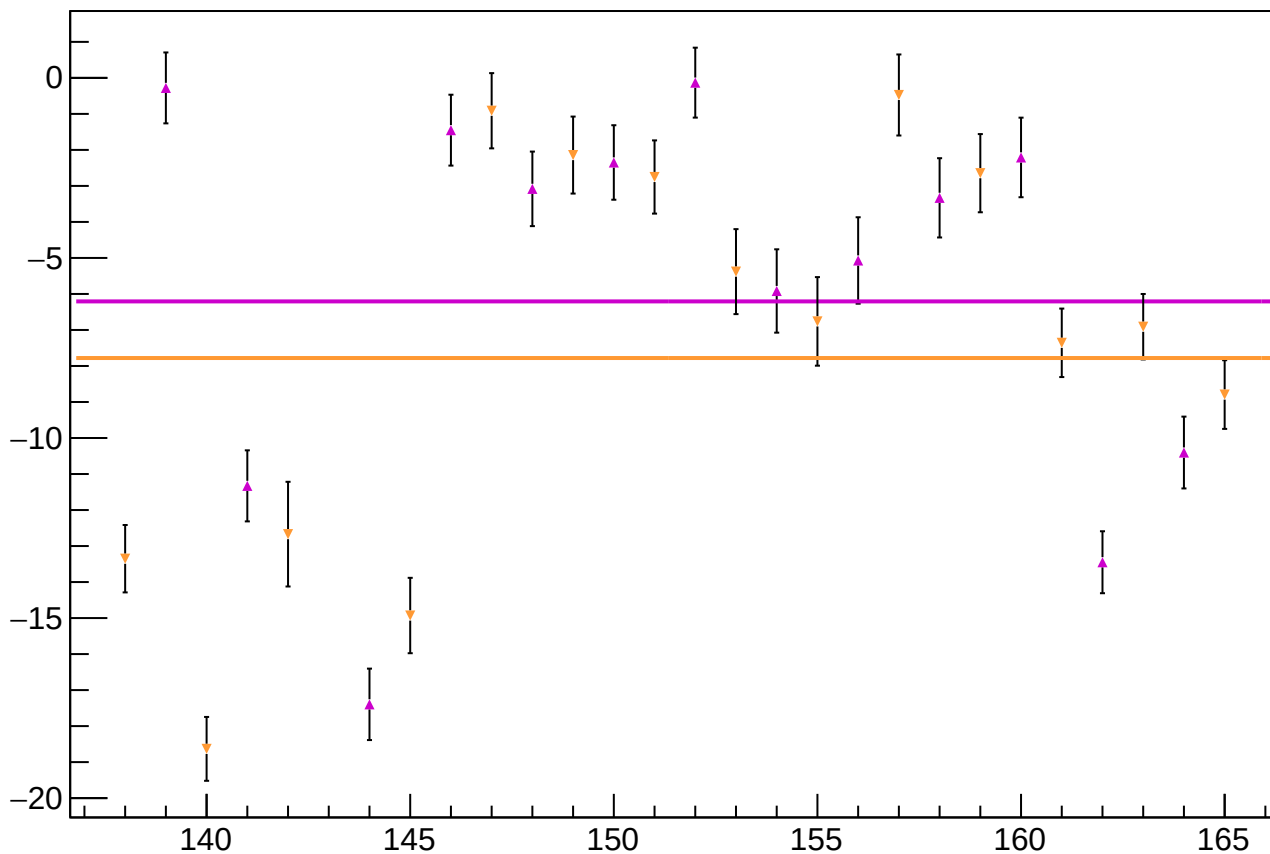
Left In: -41.170 ± 0.018 χ^2/NDF : 92511.4/12

+ sign -41.070 ± 0.015 χ^2/NDF : 139939.3/29

All: -41.181 ± 0.011 χ^2/NDF : 294387.5/60

- sign -41.294 ± 0.015 χ^2/NDF : 154343.4/30

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -7.779 $\pm$ 0.277 χ^2 /NDF: 410.3/13

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

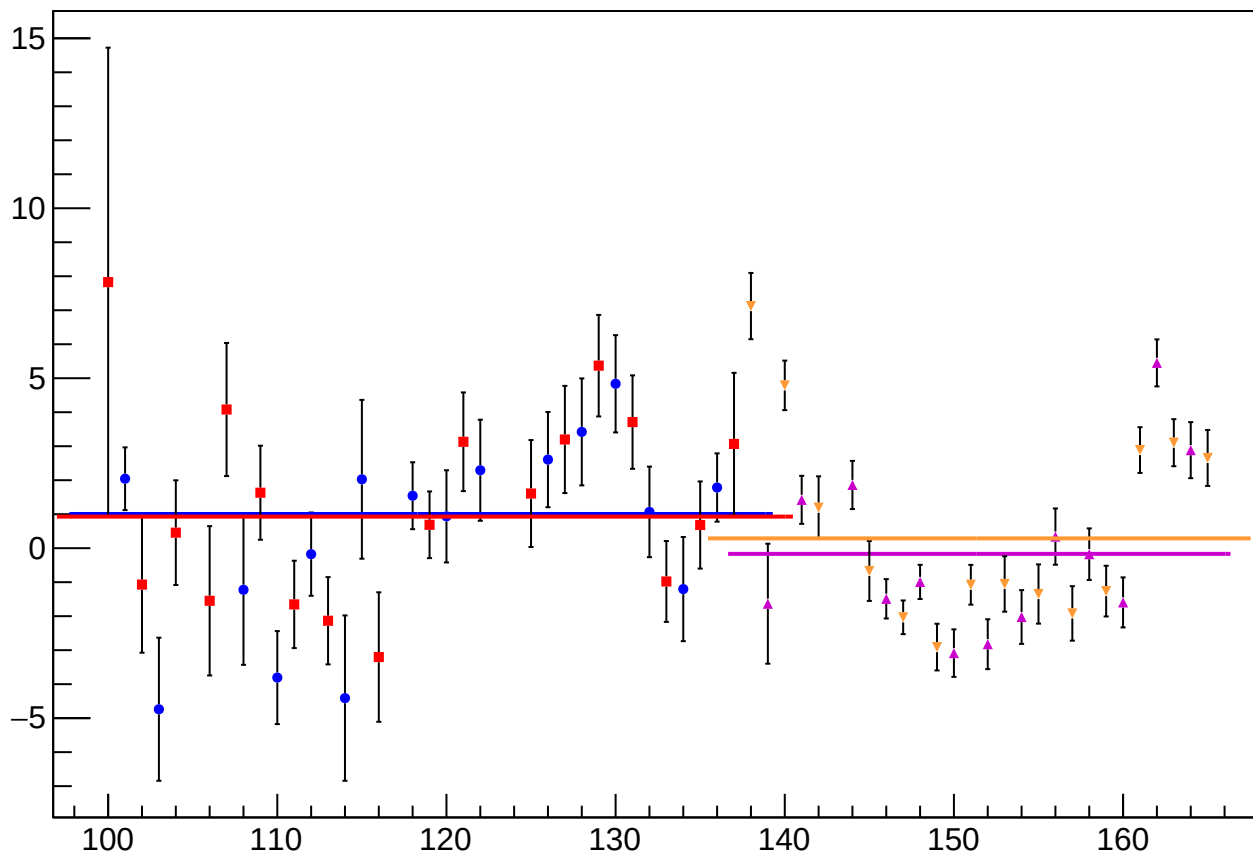
Left In: -6.207 $\pm$ 0.283 χ^2 /NDF: 385.5/12

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

All: -7.009 $\pm$ 0.198 χ^2 /NDF: 811.5/26

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

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 0.288 ± 0.194 $\chi^2/\text{NDF}: 196.4/13$

Right Out: 0.929 ± 0.353 $\chi^2/\text{NDF}: 41.9/17$

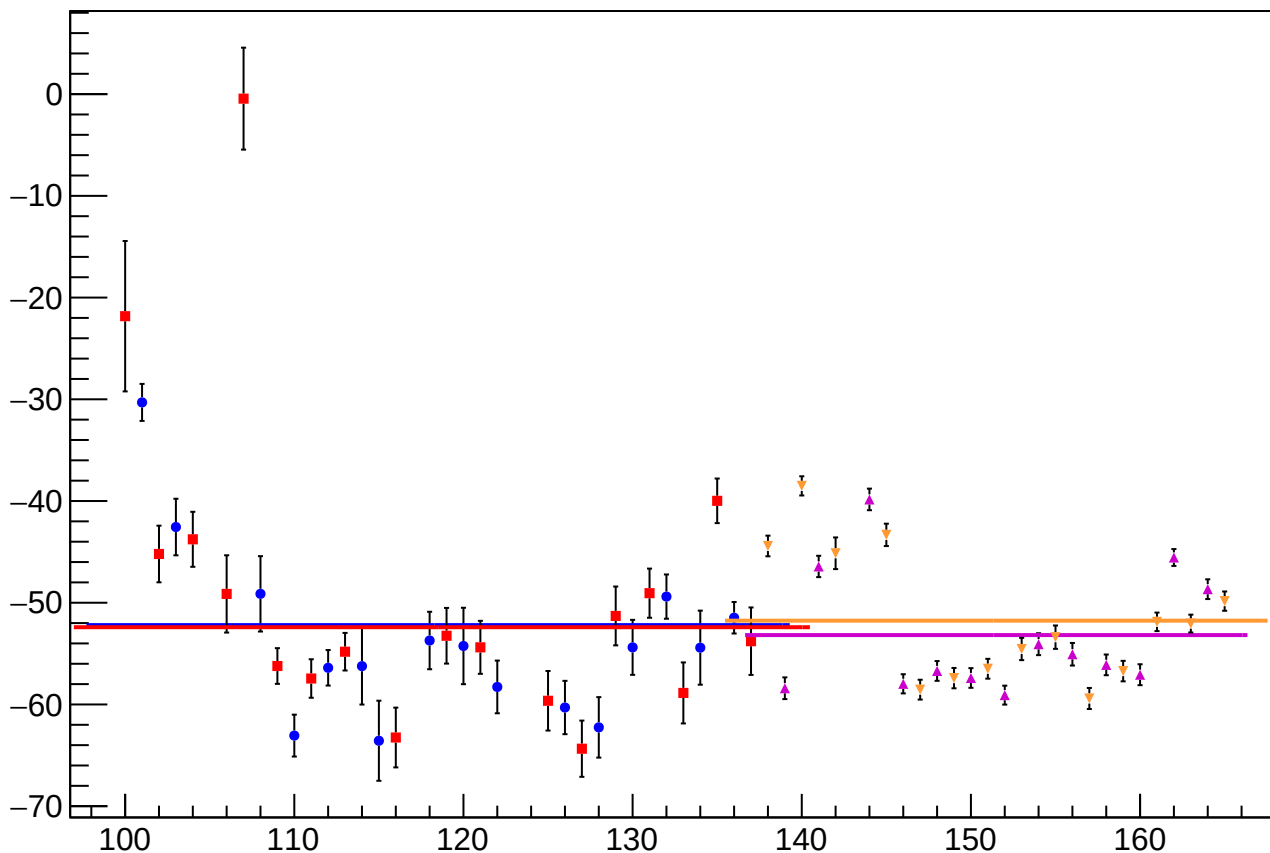
Left In: -0.167 ± 0.199 $\chi^2/\text{NDF}: 141.7/12$

+ sign 0.464 ± 0.169 $\chi^2/\text{NDF}: 242.5/29$

All: 0.285 ± 0.121 $\chi^2/\text{NDF}: 435.7/60$

- sign 0.096 ± 0.173 $\chi^2/\text{NDF}: 190.9/30$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.763 ± 0.271 χ^2/NDF : 521.6/13

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

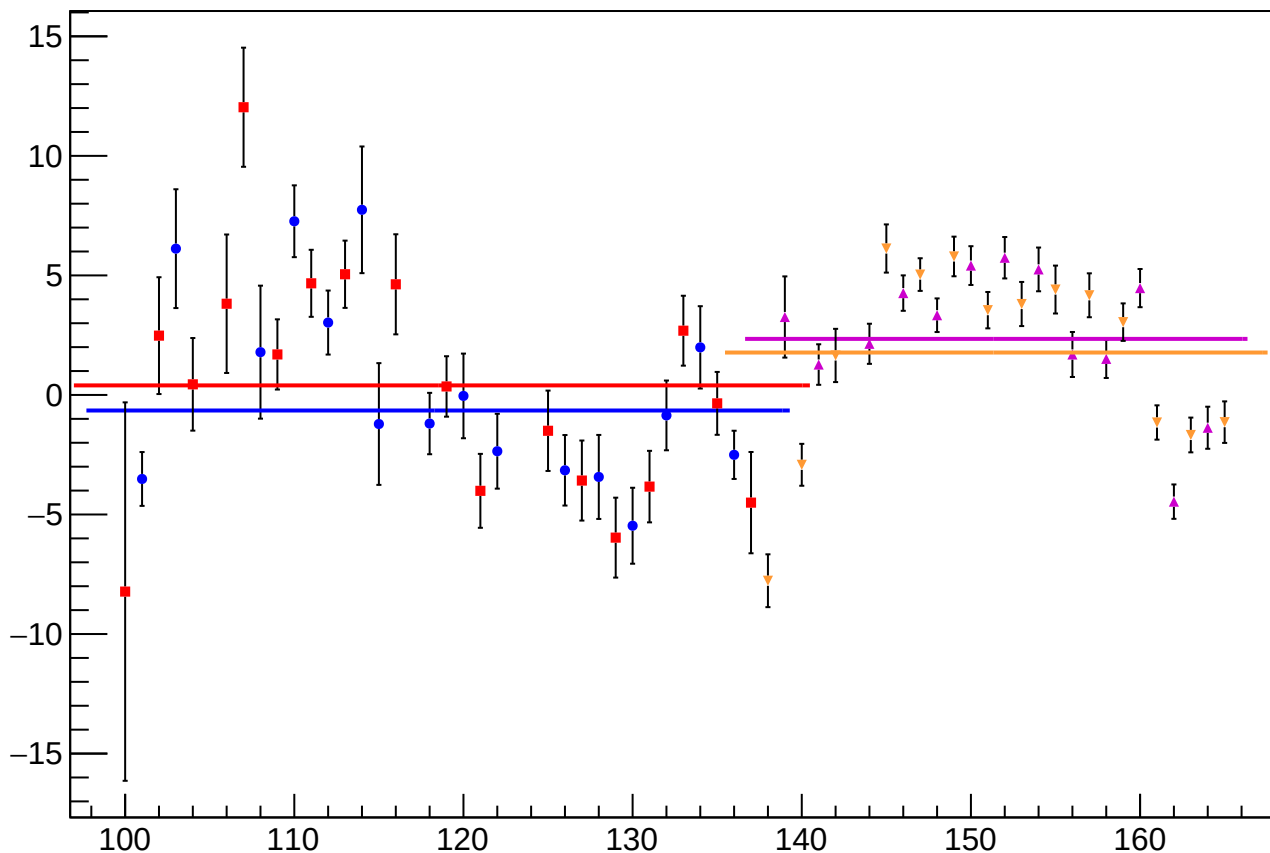
Left In: -53.180 ± 0.275 χ^2/NDF : 454.4/12

+ sign -51.834 ± 0.248 χ^2/NDF : 752.7/29

All: -52.435 ± 0.177 χ^2/NDF : 1454.1/60

- sign -53.051 ± 0.251 χ^2/NDF : 689.6/30

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 1.774 ± 0.227 χ^2/NDF : 245.2/13

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

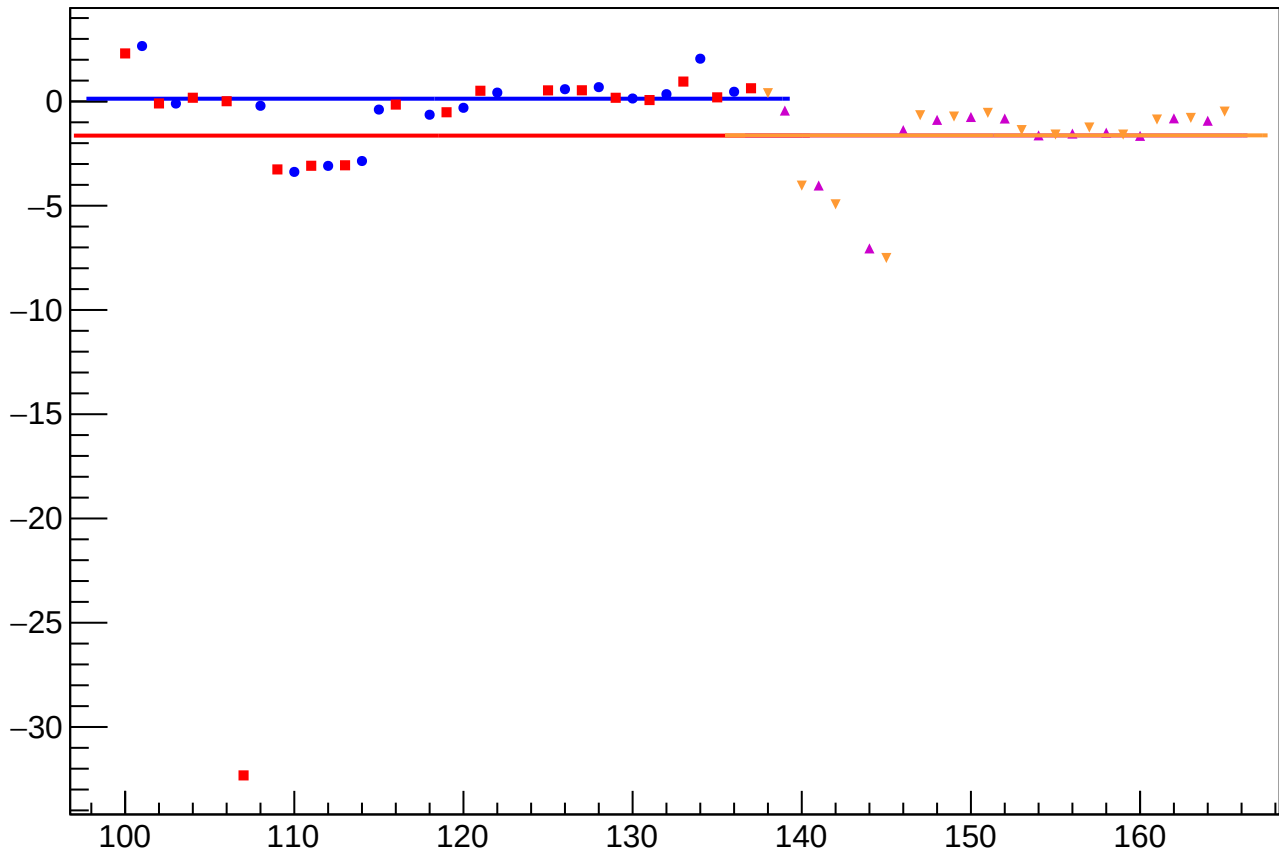
Left In: 2.345 ± 0.232 χ^2/NDF : 166.5/12

+ sign 1.152 ± 0.196 χ^2/NDF : 356.4/29

All: 1.494 ± 0.140 χ^2/NDF : 642.7/60

- sign 1.854 ± 0.201 χ^2/NDF : 280.1/30

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.626 ± 0.011 $\chi^2/\text{NDF}: 30991.1/13$

Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$

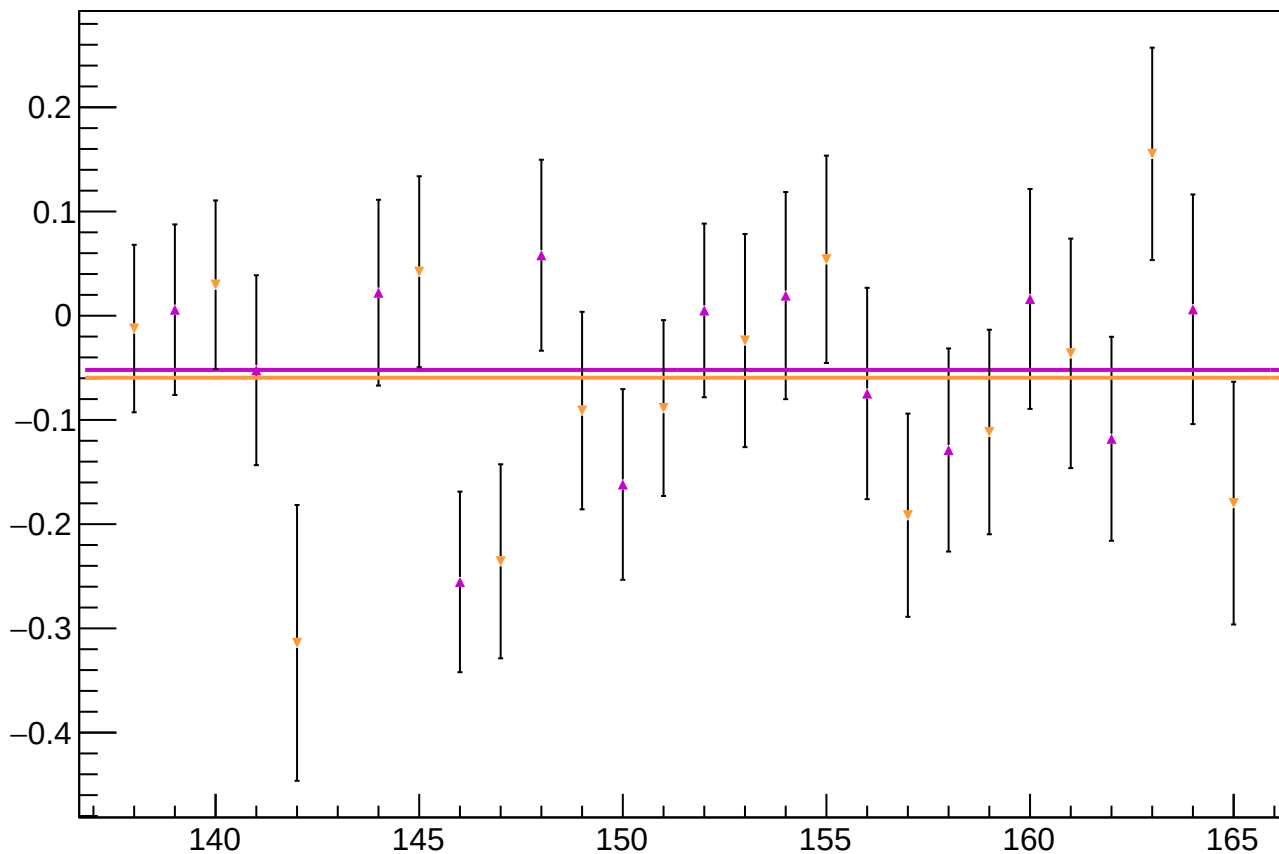
Left In: -1.630 ± 0.011 $\chi^2/\text{NDF}: 20135.5/12$

+ sign -1.281 ± 0.010 $\chi^2/\text{NDF}: 41579.6/29$

All: -1.454 ± 0.007 $\chi^2/\text{NDF}: 140228.8/60$

- sign -1.631 ± 0.010 $\chi^2/\text{NDF}: 97983.9/30$

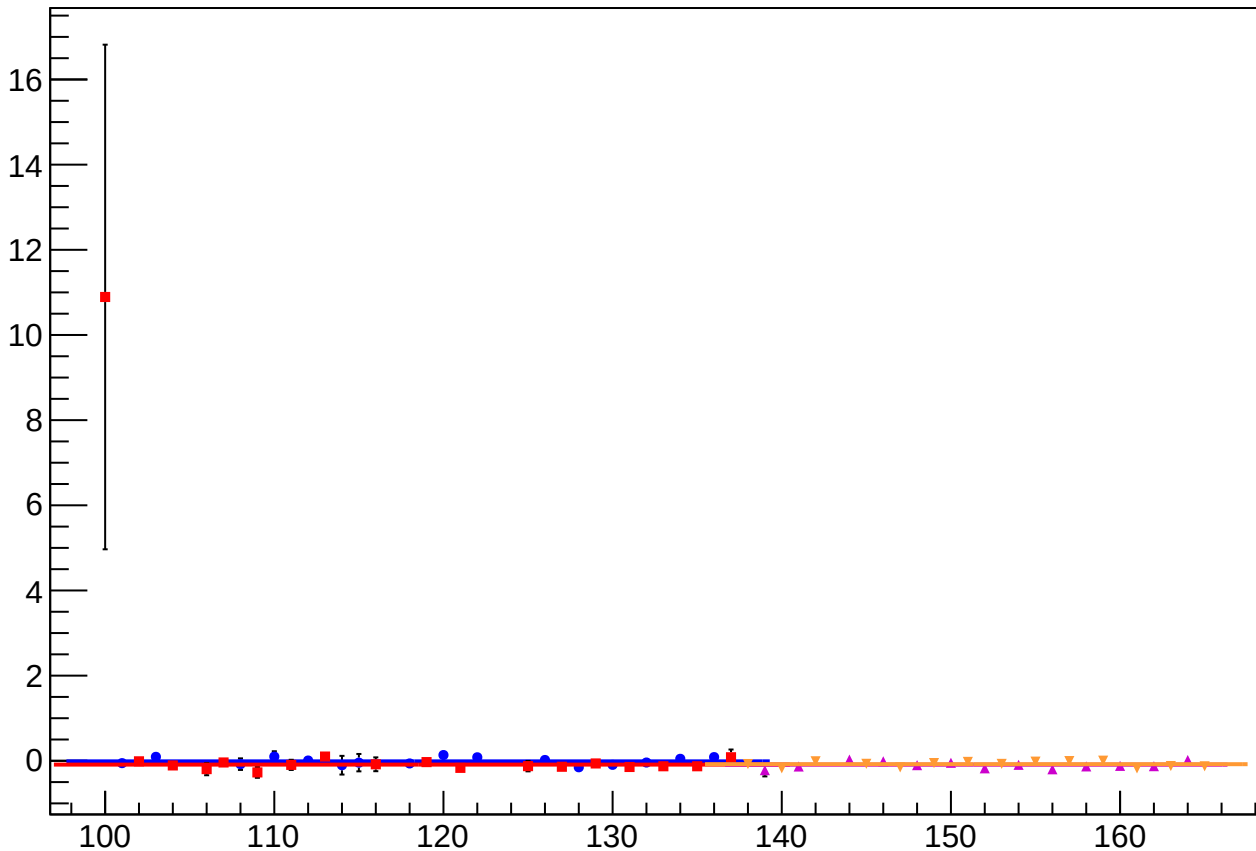
reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.060 $\pm$ 0.026 χ^2 /NDF:19.4/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.052 $\pm$ 0.026 χ^2 /NDF:12.4/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.056 $\pm$ 0.018 χ^2 /NDF: 31.8/26
 - 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: -0.080 ± 0.018 χ^2/NDF : 12.7/13

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

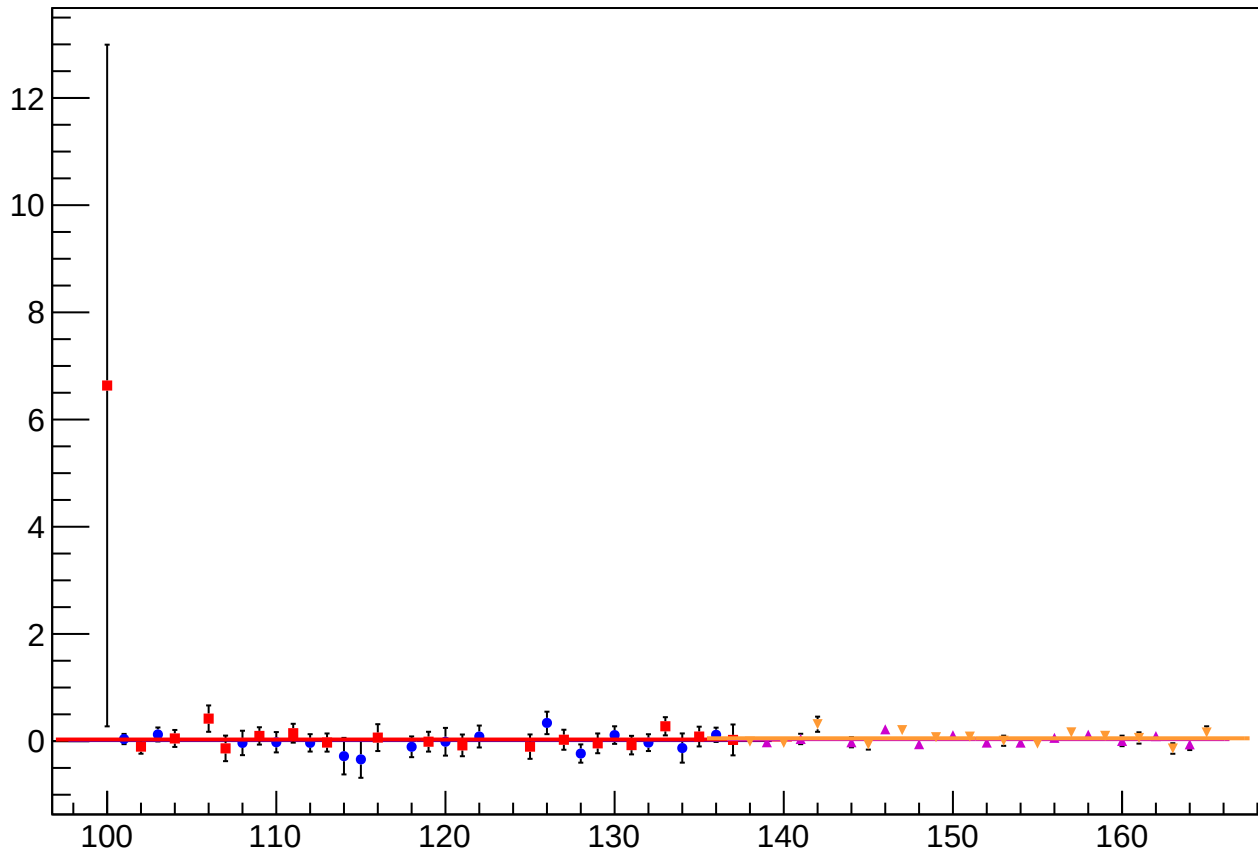
Left In: -0.091 ± 0.018 χ^2/NDF : 14.1/12

+ sign -0.055 ± 0.014 χ^2/NDF : 29.4/29

All: -0.072 ± 0.010 χ^2/NDF : 59.5/60

- sign -0.091 ± 0.015 χ^2/NDF : 27.1/30

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.053 $\pm$ 0.025 χ^2 /NDF:17.4/13

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

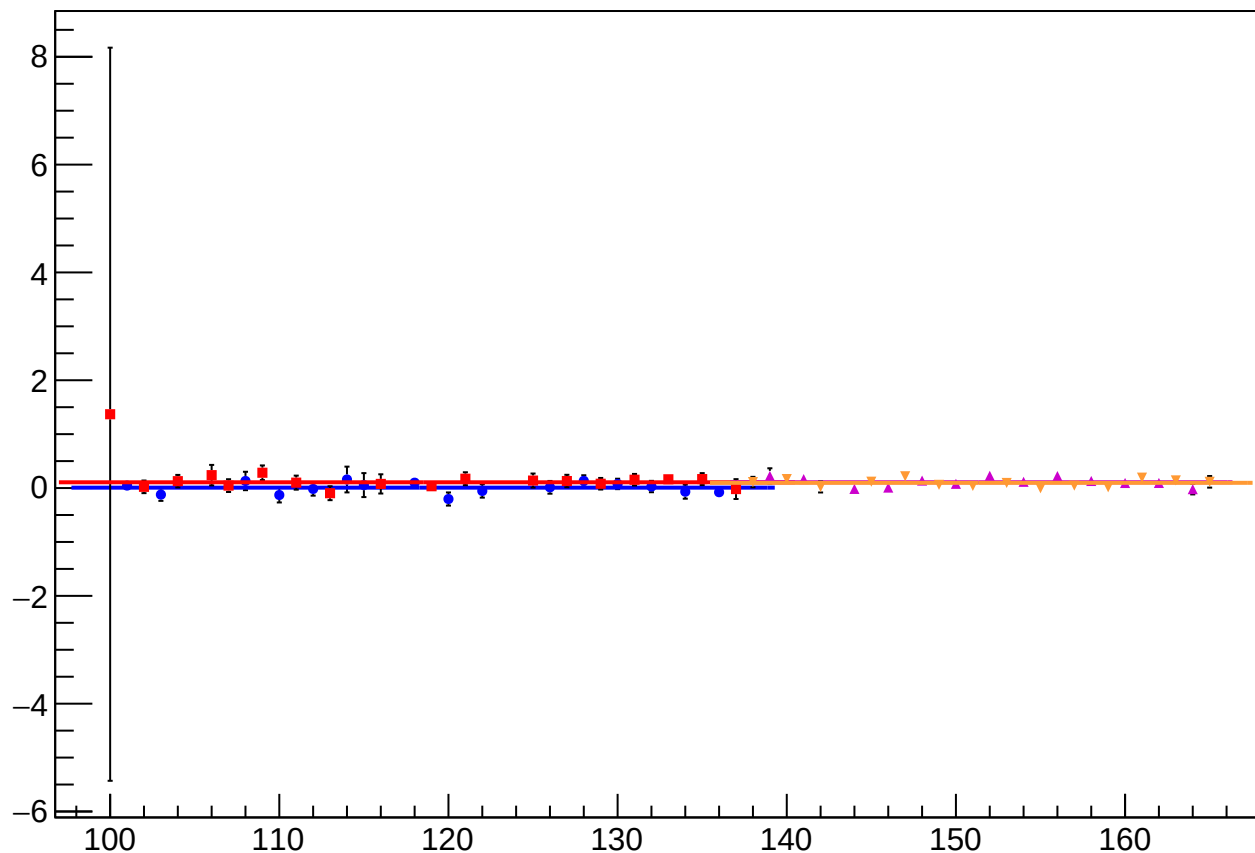
Left In: 0.038 $\pm$ 0.025 χ^2 /NDF:10.9/12

+ sign 0.044 $\pm$ 0.022 χ^2 /NDF: 26.9/29

All: 0.040 $\pm$ 0.015 χ^2 /NDF: 47.2/60

- sign 0.036 $\pm$ 0.022 χ^2 /NDF: 20.2/30

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.097 $\pm$ 0.021 χ^2 /NDF: 11.5/13

Right Out: 0.107 $\pm$ 0.029 χ^2 /NDF: 8.2/17

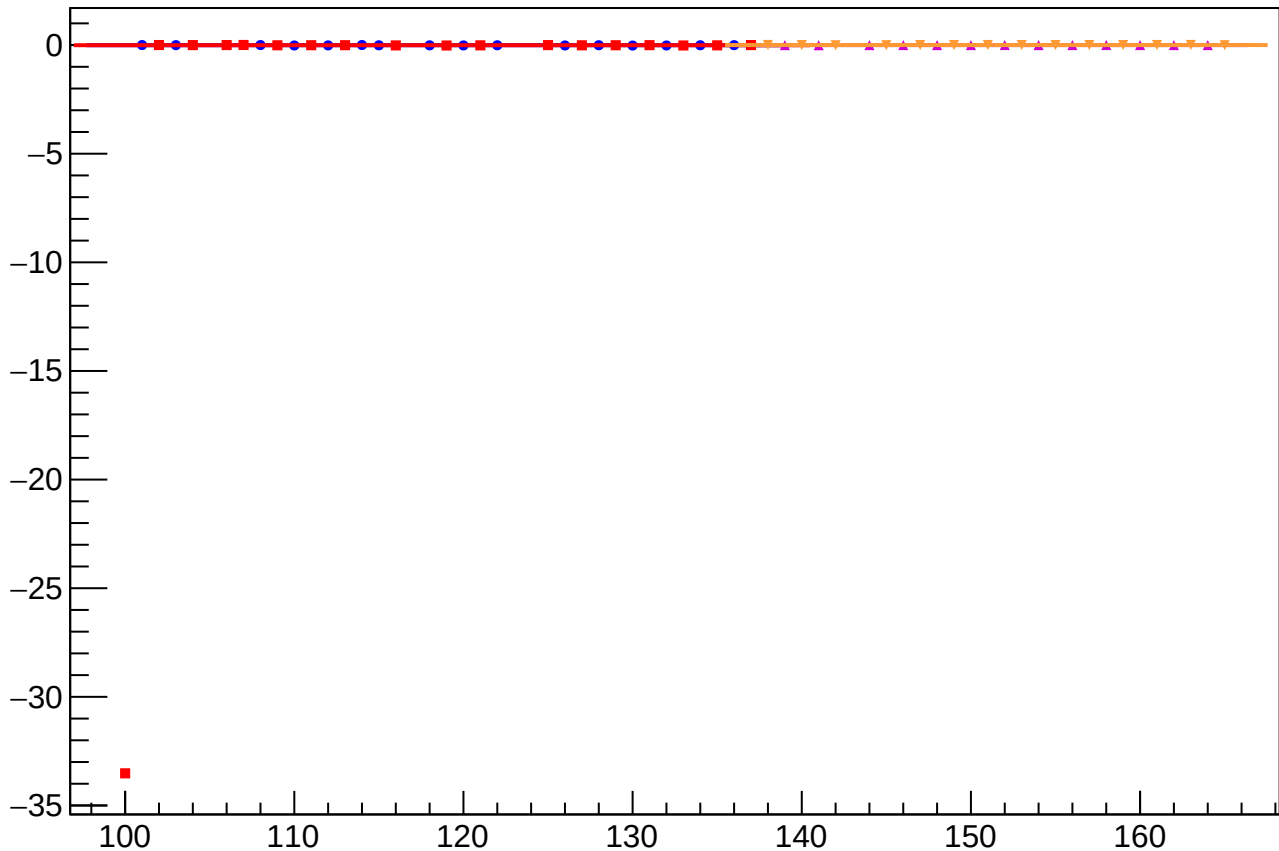
Left In: 0.108 $\pm$ 0.021 χ^2 /NDF: 13.2/12

+ sign 0.063 $\pm$ 0.017 χ^2 /NDF: 29.6/29

All: 0.085 $\pm$ 0.012 χ^2 /NDF: 54.4/60

- sign 0.108 $\pm$ 0.017 χ^2 /NDF: 21.4/30

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 : 10.3/13

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.7/17

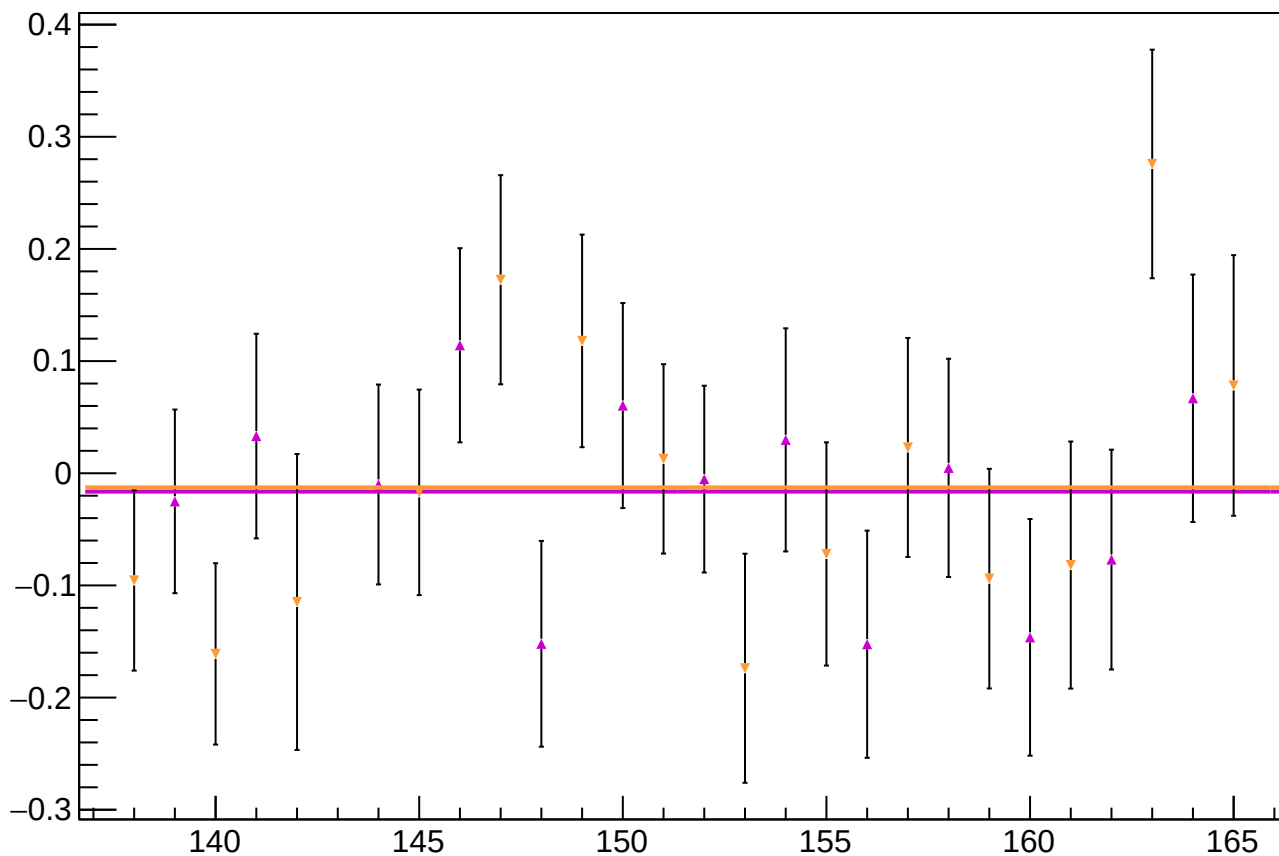
Left In: 0.000 ± 0.001 χ^2/NDF : 7.5/12

+ sign -0.001 ± 0.001 χ^2/NDF : 46.0/29

All: -0.001 ± 0.001 χ^2/NDF : 26574.5/60

- sign -0.002 ± 0.001 χ^2/NDF : 26528.0/30

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.013 $\pm$ 0.026 χ^2 /NDF:23.7/13

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

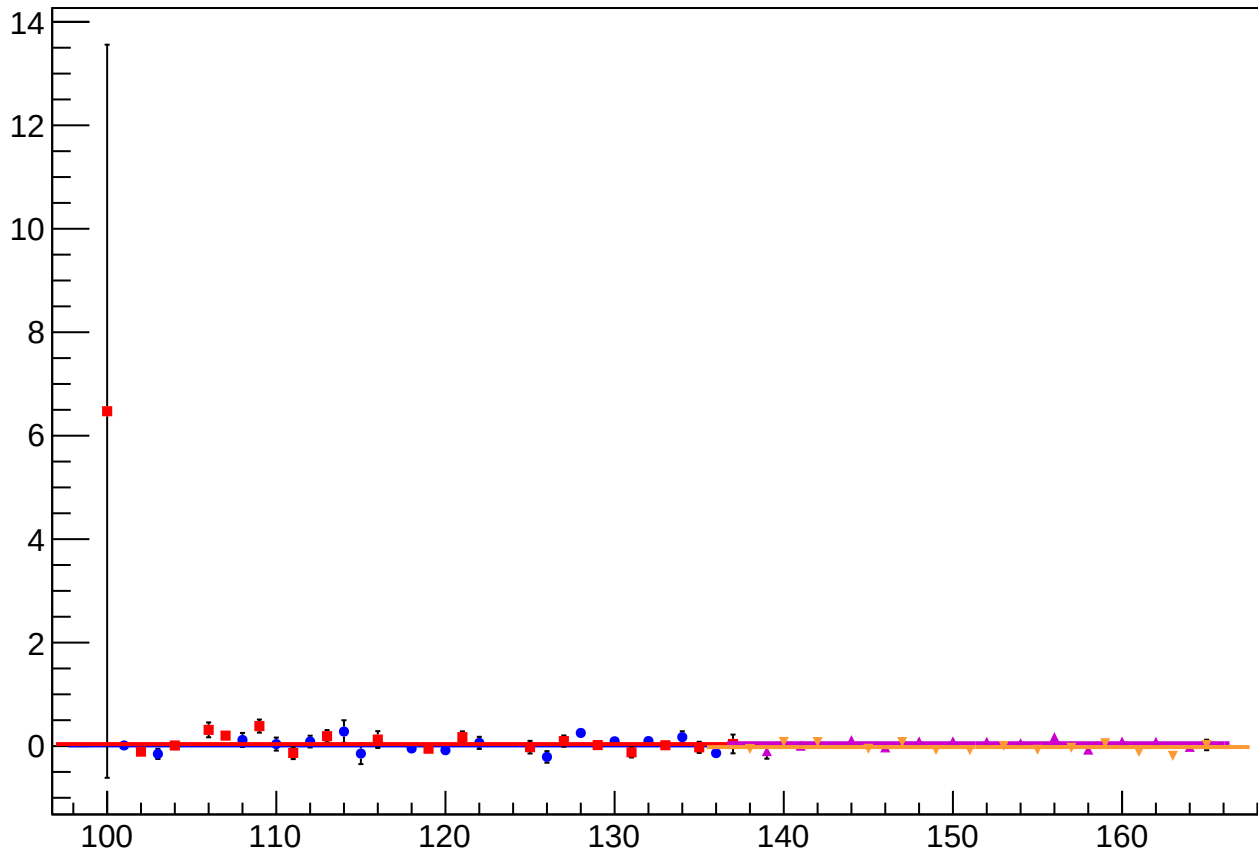
Left In: -0.016 $\pm$ 0.026 χ^2 /NDF:10.0/12

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

All: -0.014 $\pm$ 0.018 χ^2 /NDF: 33.7/26

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

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.019 ± 0.018 χ^2/NDF : 19.5/13

Right Out: 0.038 ± 0.025 χ^2/NDF : 28.4/17

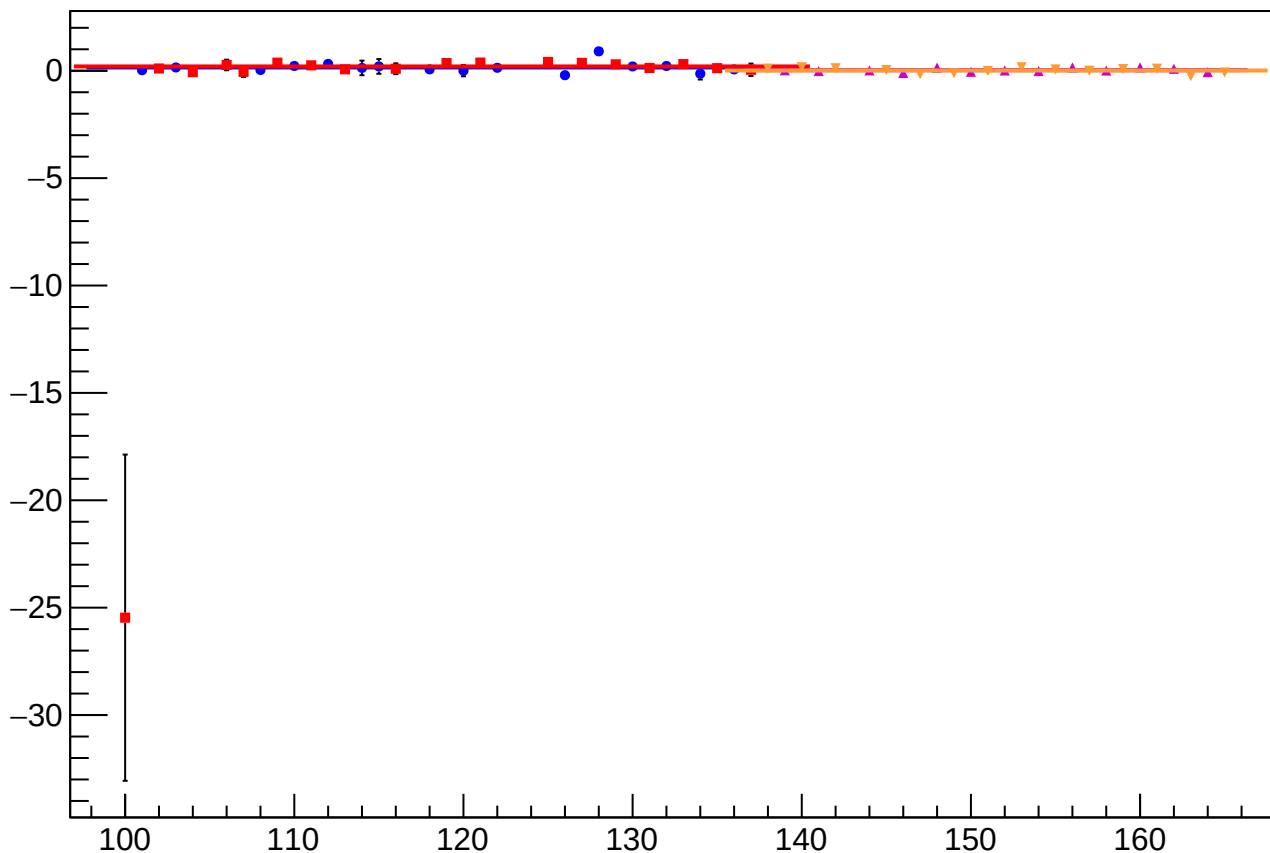
Left In: 0.055 ± 0.018 χ^2/NDF : 13.3/12

+ sign -0.008 ± 0.014 χ^2/NDF : 45.7/29

All: 0.020 ± 0.010 χ^2/NDF : 95.5/60

- sign 0.049 ± 0.015 χ^2/NDF : 42.0/30

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 ± 0.043 χ^2/NDF : 27.9/15

Left Out: 0.012 ± 0.025 χ^2/NDF : 22.3/13

Right Out: 0.201 ± 0.045 χ^2/NDF : 22.6/17

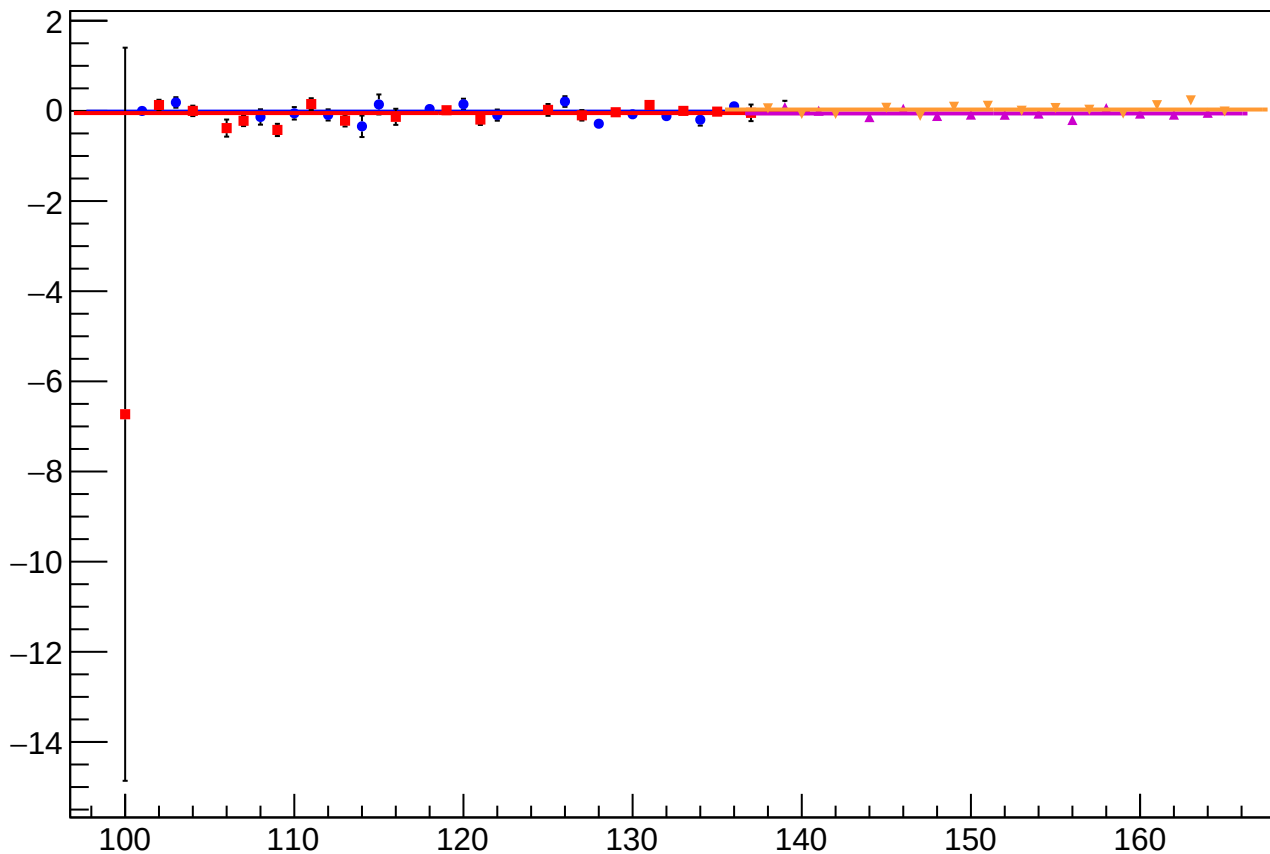
Left In: 0.027 ± 0.025 χ^2/NDF : 10.5/12

+ sign 0.048 ± 0.022 χ^2/NDF : 58.4/29

All: 0.058 ± 0.015 χ^2/NDF : 103.4/60

- sign 0.069 ± 0.022 χ^2/NDF : 44.5/30

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.030 ± 0.021 χ^2/NDF : 20.1/13

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

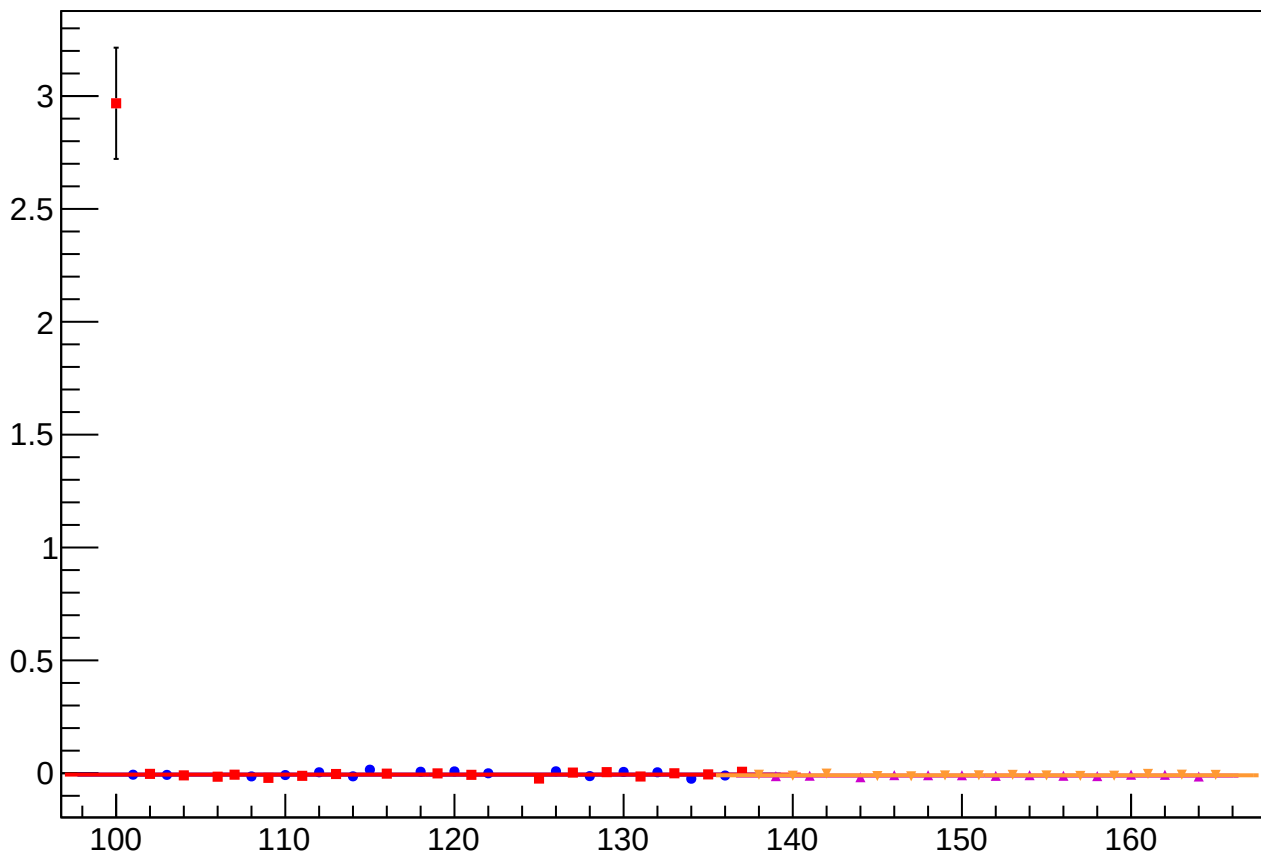
Left In: -0.057 ± 0.021 χ^2/NDF : 12.6/12

+ sign 0.013 ± 0.017 χ^2/NDF : 46.3/29

All: -0.019 ± 0.012 χ^2/NDF : 92.7/60

- sign -0.054 ± 0.017 χ^2/NDF : 38.6/30

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 : 9.2/13

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

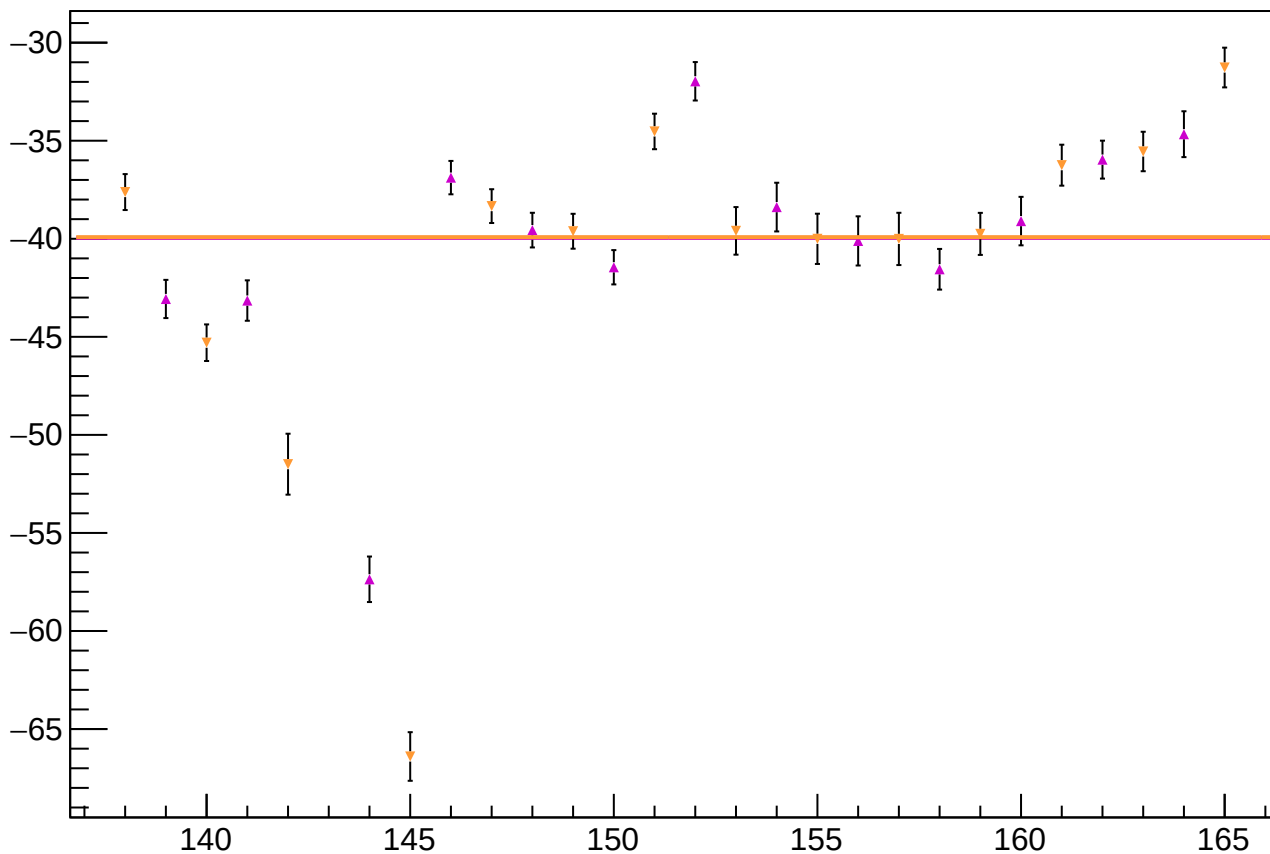
Left In: -0.011 ± 0.001 χ^2/NDF : 8.1/12

+ sign -0.008 ± 0.001 χ^2/NDF : 39.4/29

All: -0.009 ± 0.001 χ^2/NDF : 221.0/60

- sign -0.009 ± 0.001 χ^2/NDF : 180.9/30

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -39.919+/-0.279 χ^2/NDF : 694.6/13

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

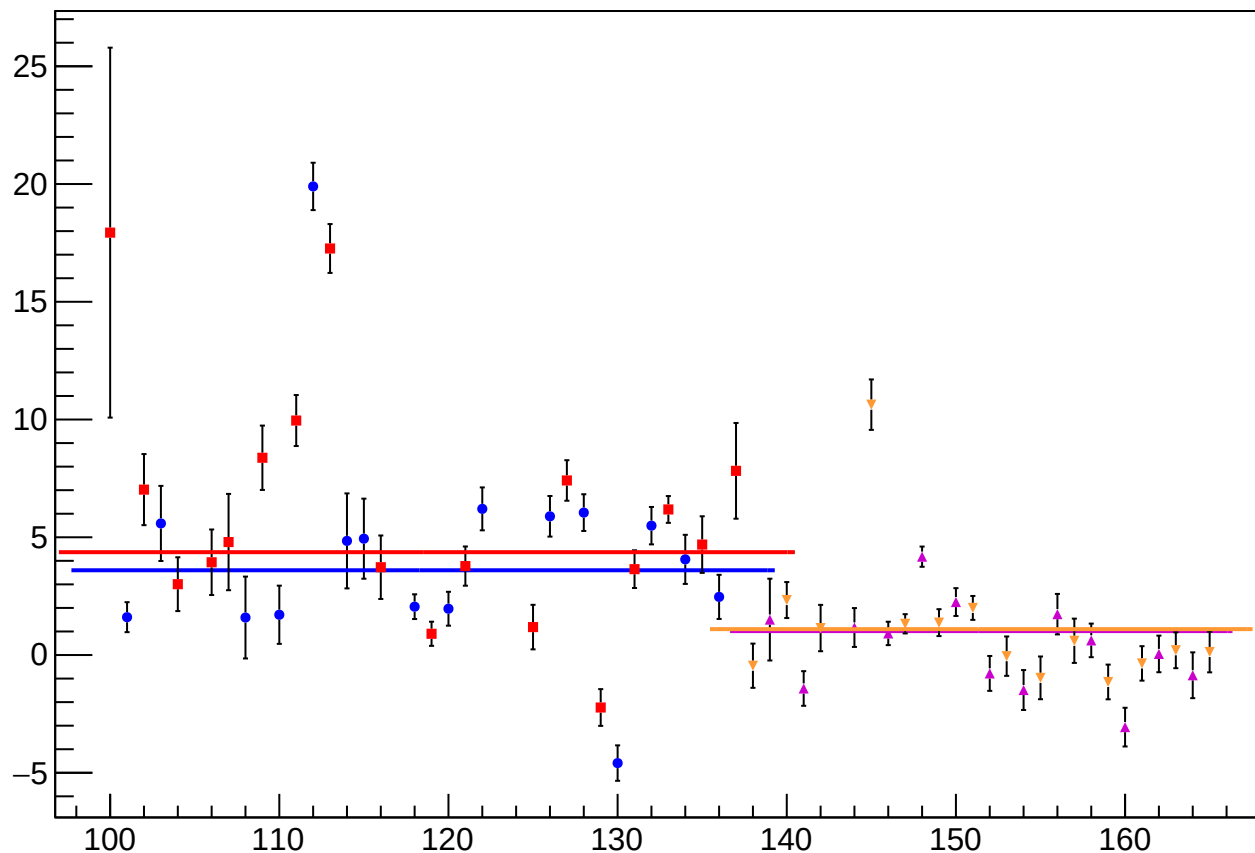
Left In: -39.954+/-0.284 χ^2/NDF : 369.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -39.936+/-0.199 χ^2/NDF : 1064.0/26

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 443.4/15$

Left Out: 1.099 ± 0.188 $\chi^2/\text{NDF}: 111.4/13$

Right Out: 4.367 ± 0.225 $\chi^2/\text{NDF}: 353.1/17$

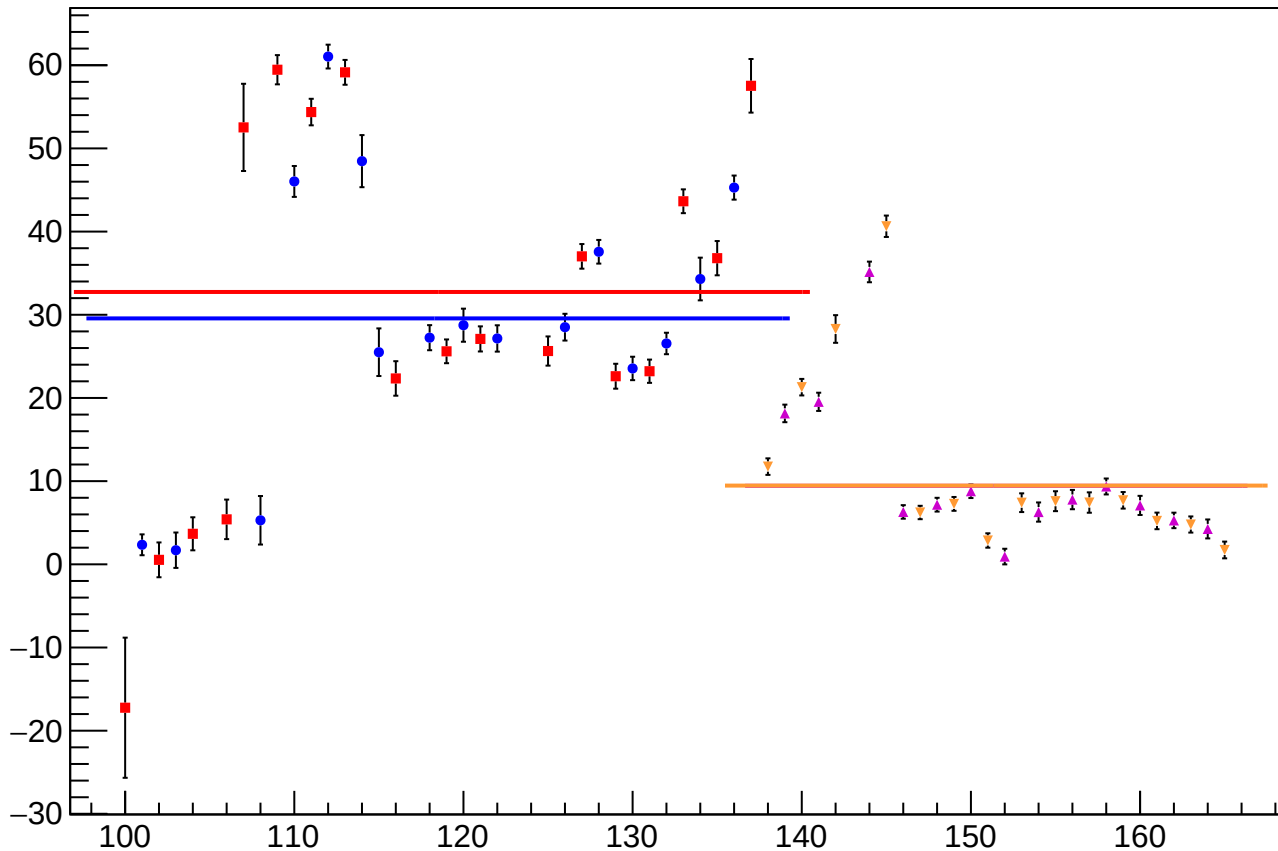
Left In: 1.016 ± 0.193 $\chi^2/\text{NDF}: 115.2/12$

+ sign 2.154 ± 0.143 $\chi^2/\text{NDF}: 629.3/29$

All: 2.294 ± 0.102 $\chi^2/\text{NDF}: 1227.2/60$

- sign 2.442 ± 0.147 $\chi^2/\text{NDF}: 596.0/30$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 ± 0.420 χ^2/NDF : 1494.6/15

Left Out: 9.465 ± 0.272 χ^2/NDF : 1056.2/13

Right Out: 32.741 ± 0.423 χ^2/NDF : 1663.3/17

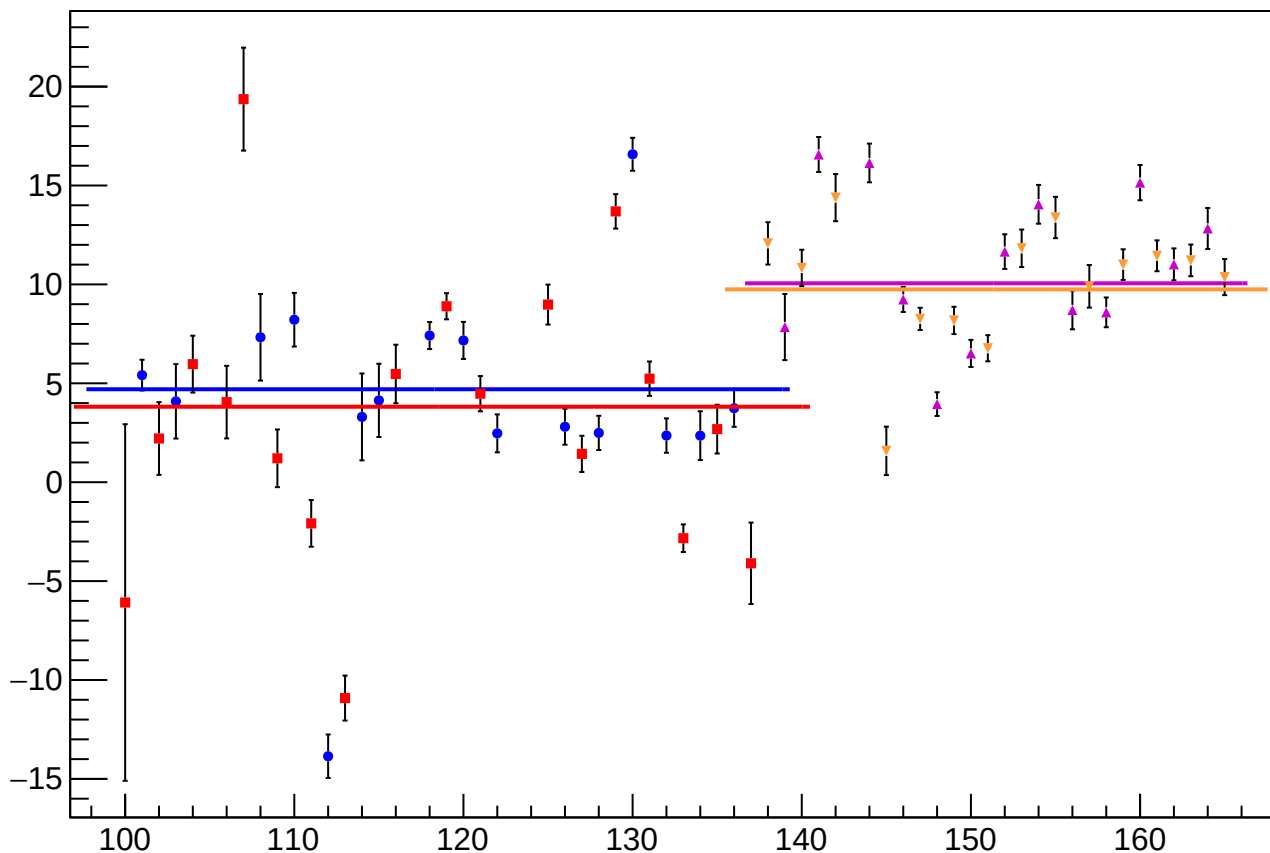
Left In: 9.437 ± 0.275 χ^2/NDF : 741.6/12

+ sign 15.407 ± 0.228 χ^2/NDF : 4167.4/29

All: 15.879 ± 0.162 χ^2/NDF : 8716.8/60

- sign 16.362 ± 0.230 χ^2/NDF : 4540.7/30

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 9.749 ± 0.224 $\chi^2/\text{NDF}: 126.3/13$

Right Out: 3.817 ± 0.258 $\chi^2/\text{NDF}: 567.6/17$

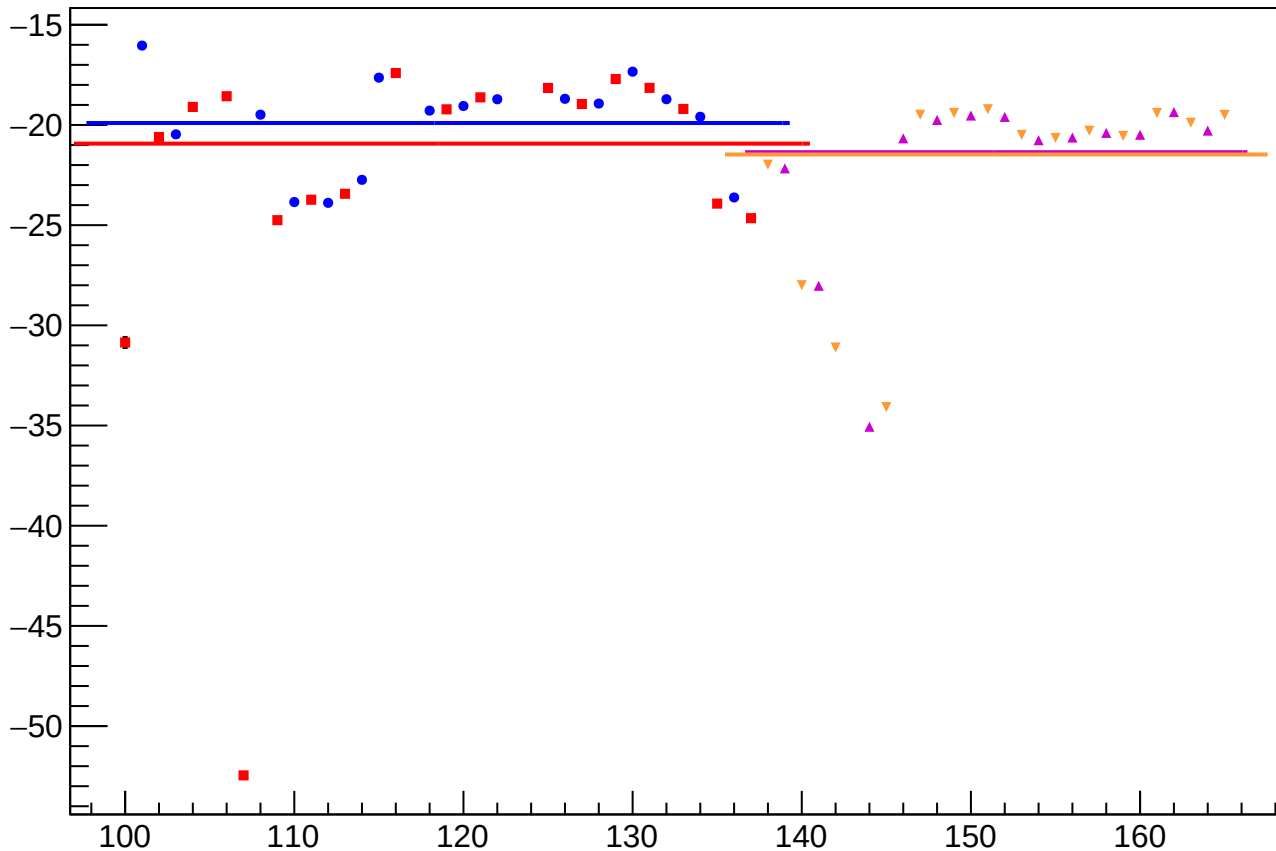
Left In: 10.057 ± 0.230 $\chi^2/\text{NDF}: 293.6/12$

+ sign 7.540 ± 0.168 $\chi^2/\text{NDF}: 897.6/29$

All: 7.424 ± 0.120 $\chi^2/\text{NDF}: 2085.3/60$

- sign 7.302 ± 0.172 $\chi^2/\text{NDF}: 1186.7/30$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 χ^2/NDF : 26054.0/15

Left Out: -21.473 ± 0.011 χ^2/NDF : 124122.8/13

Right Out: -20.931 ± 0.016 χ^2/NDF : 94008.3/17

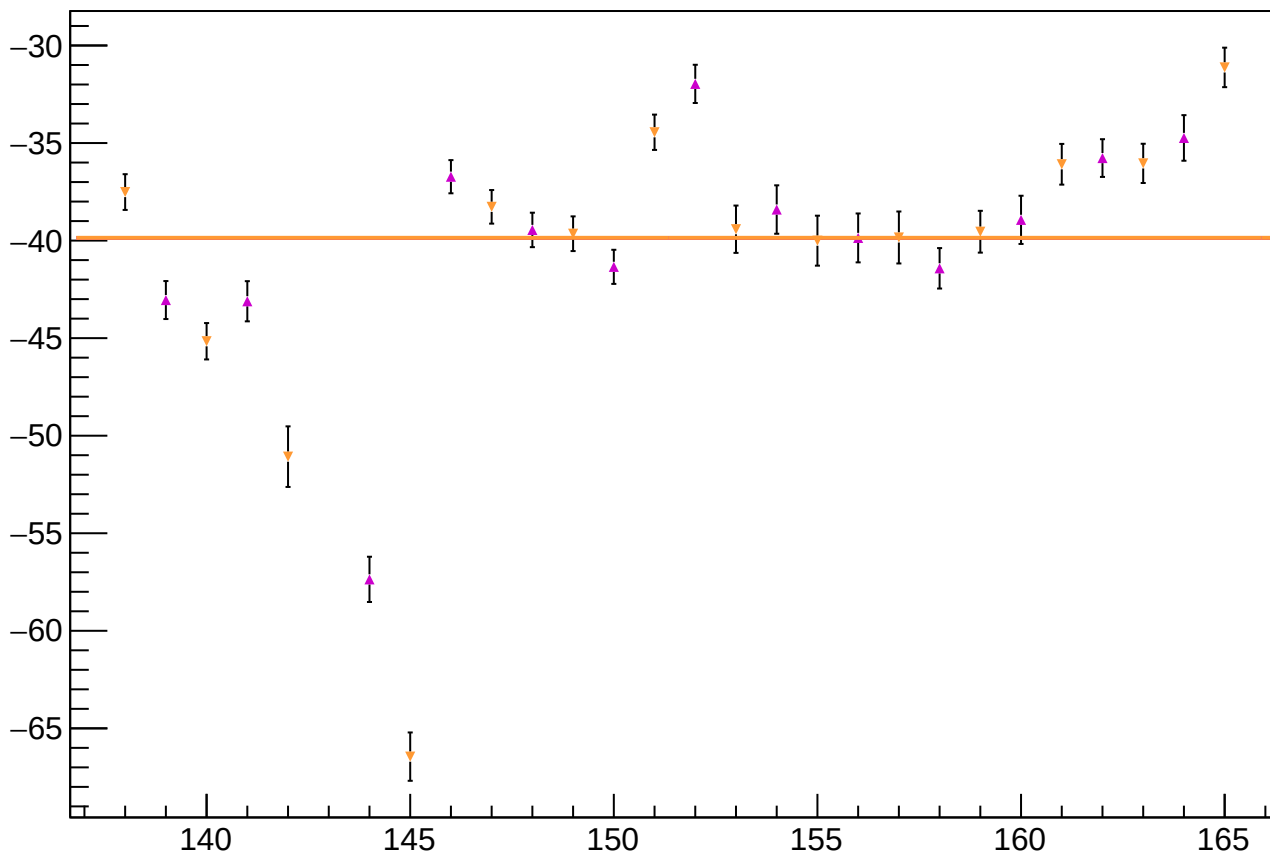
Left In: -21.357 ± 0.011 χ^2/NDF : 99049.5/12

+ sign -20.964 ± 0.009 χ^2/NDF : 156986.0/29

All: -21.091 ± 0.006 χ^2/NDF : 350949.5/60

- sign -21.219 ± 0.009 χ^2/NDF : 193554.8/30

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -39.859 $\pm$ 0.279 χ^2 /NDF:693.2/13

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

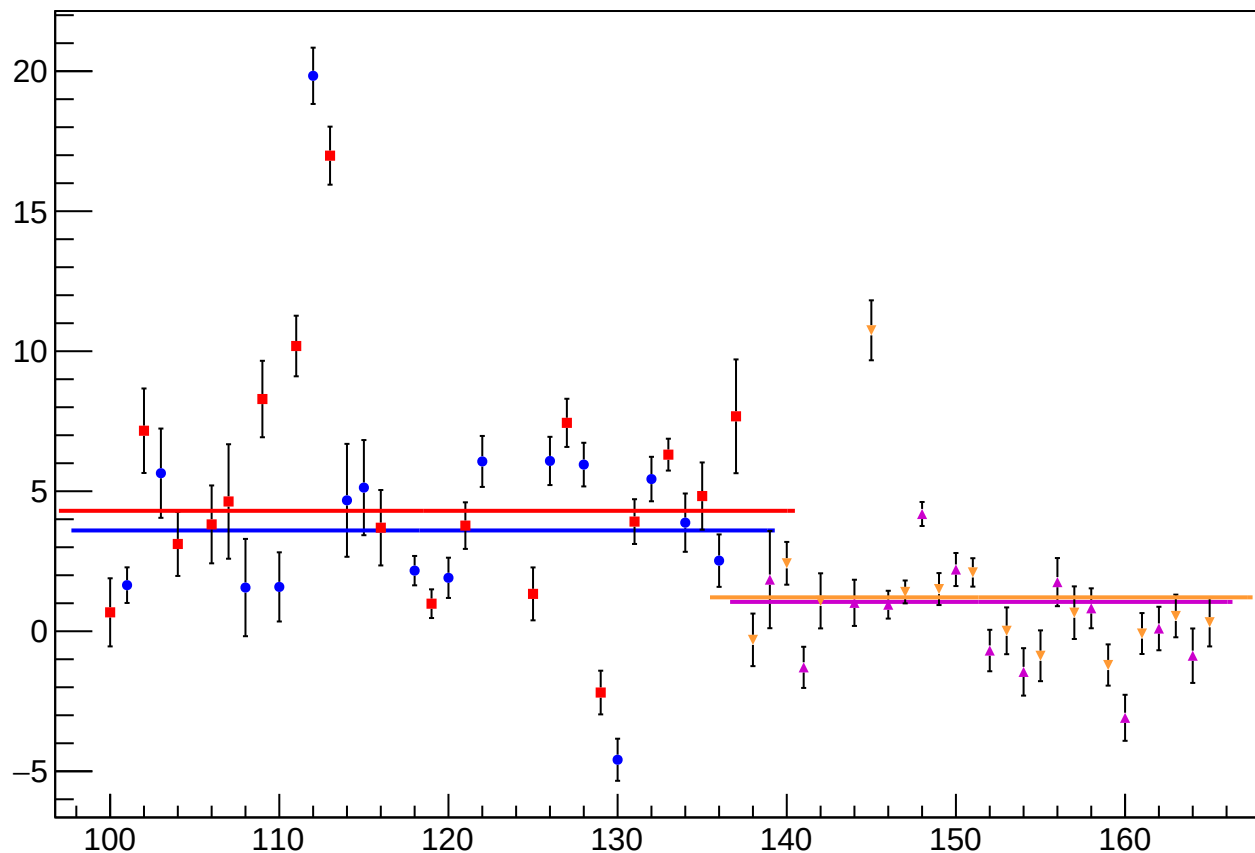
Left In: -39.867 $\pm$ 0.284 χ^2 /NDF:371.3/12

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

All: -39.863 $\pm$ 0.199 χ^2 /NDF: 1064.5/26

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

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 440.3/15$

Left Out: 1.211 ± 0.188 $\chi^2/\text{NDF}: 111.5/13$

Right Out: 4.301 ± 0.221 $\chi^2/\text{NDF}: 352.1/17$

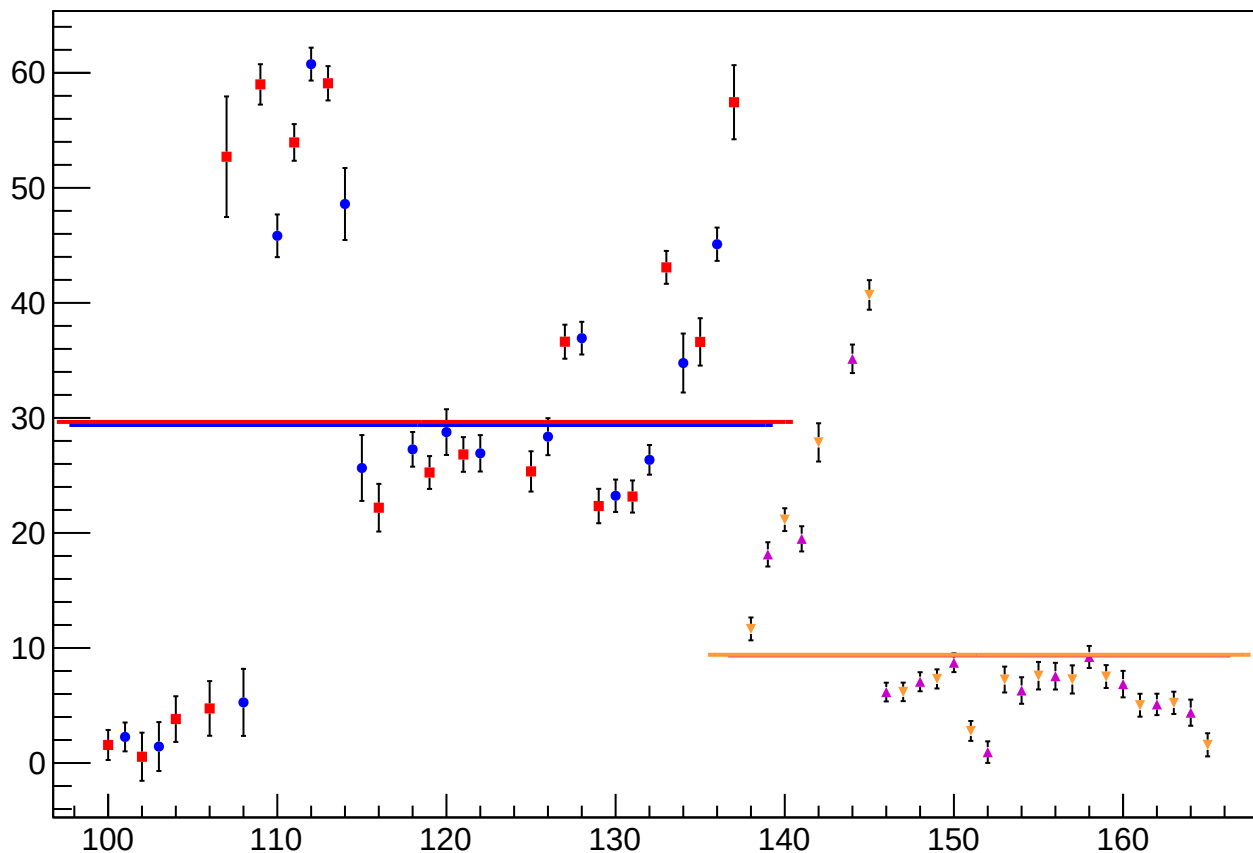
Left In: 1.048 ± 0.193 $\chi^2/\text{NDF}: 113.6/12$

+ sign 2.218 ± 0.143 $\chi^2/\text{NDF}: 619.8/29$

All: 2.336 ± 0.102 $\chi^2/\text{NDF}: 1209.5/60$

- sign 2.458 ± 0.146 $\chi^2/\text{NDF}: 588.4/30$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 ± 0.419 χ^2/NDF : 1488.6/15

Left Out: 9.410 ± 0.272 χ^2/NDF : 1053.1/13

Right Out: 29.652 ± 0.402 χ^2/NDF : 2131.0/17

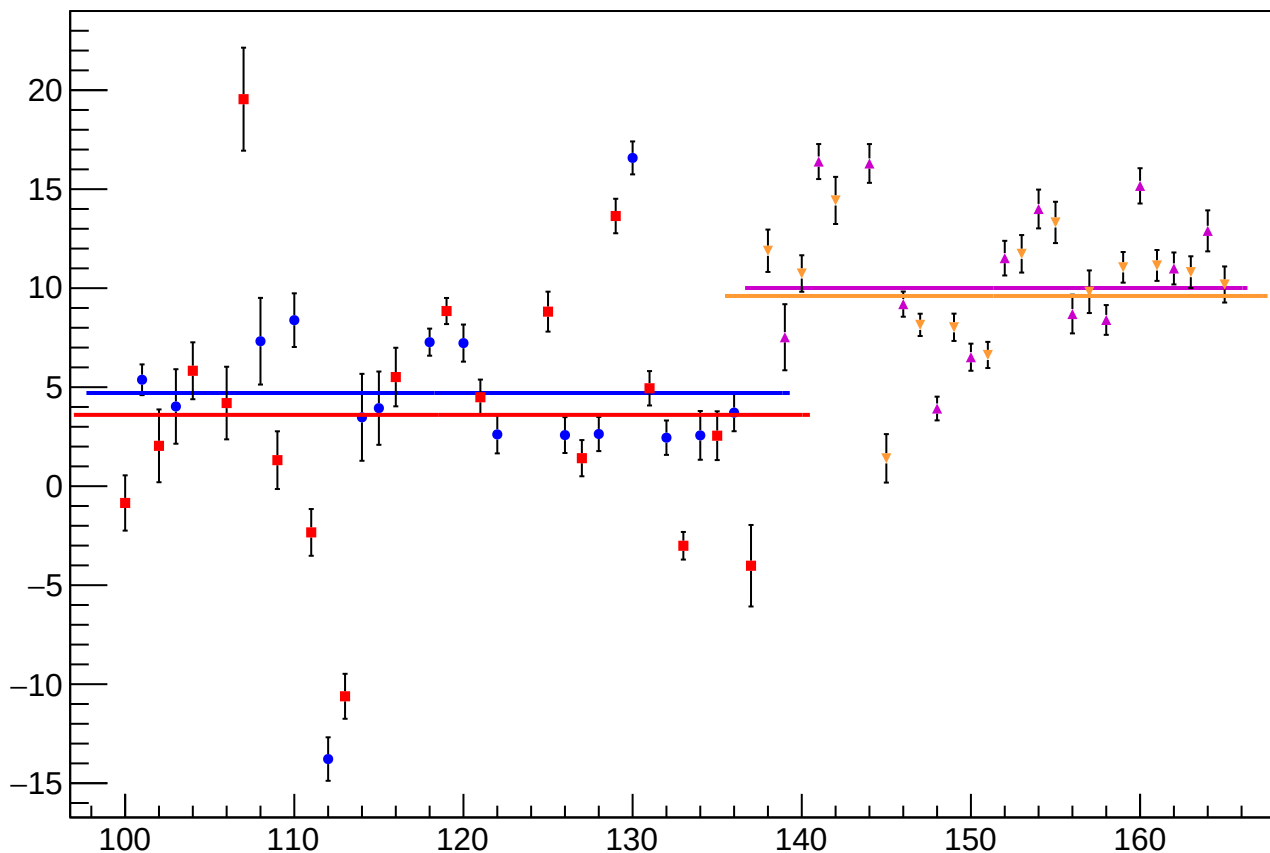
Left In: 9.355 ± 0.275 χ^2/NDF : 745.3/12

+ sign 15.316 ± 0.228 χ^2/NDF : 4140.8/29

All: 15.563 ± 0.161 χ^2/NDF : 8755.2/60

- sign 15.808 ± 0.227 χ^2/NDF : 4612.0/30

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.606 ± 0.224 $\chi^2/\text{NDF}: 127.6/13$

Right Out: 3.601 ± 0.254 $\chi^2/\text{NDF}: 573.4/17$

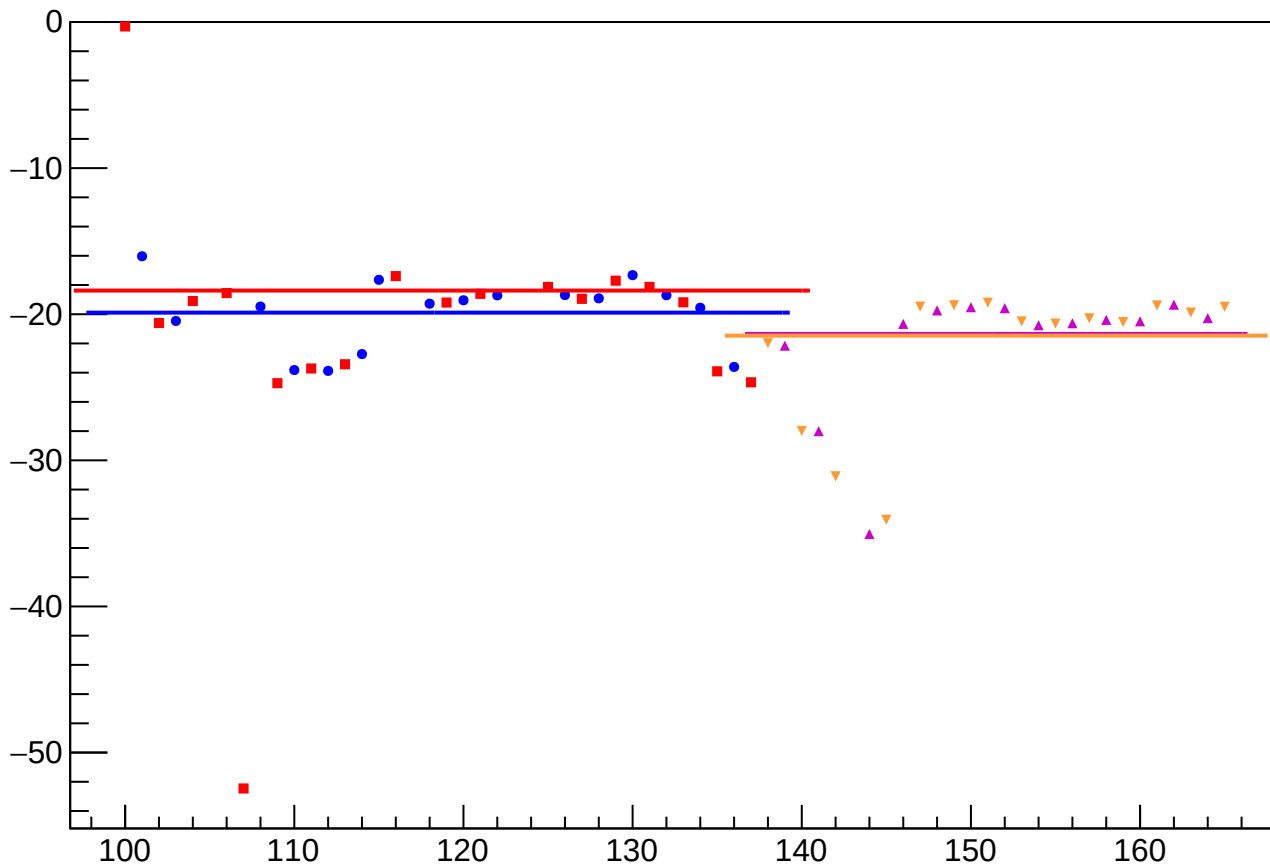
Left In: 10.009 ± 0.230 $\chi^2/\text{NDF}: 295.3/12$

+ sign 7.463 ± 0.168 $\chi^2/\text{NDF}: 882.3/29$

All: 7.298 ± 0.120 $\chi^2/\text{NDF}: 2103.3/60$

- sign 7.128 ± 0.170 $\chi^2/\text{NDF}: 1219.0/30$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -21.465 ± 0.011 $\chi^2/\text{NDF}: 124169.2/13$

Right Out: -18.380 ± 0.015 $\chi^2/\text{NDF}: 300999.4/17$

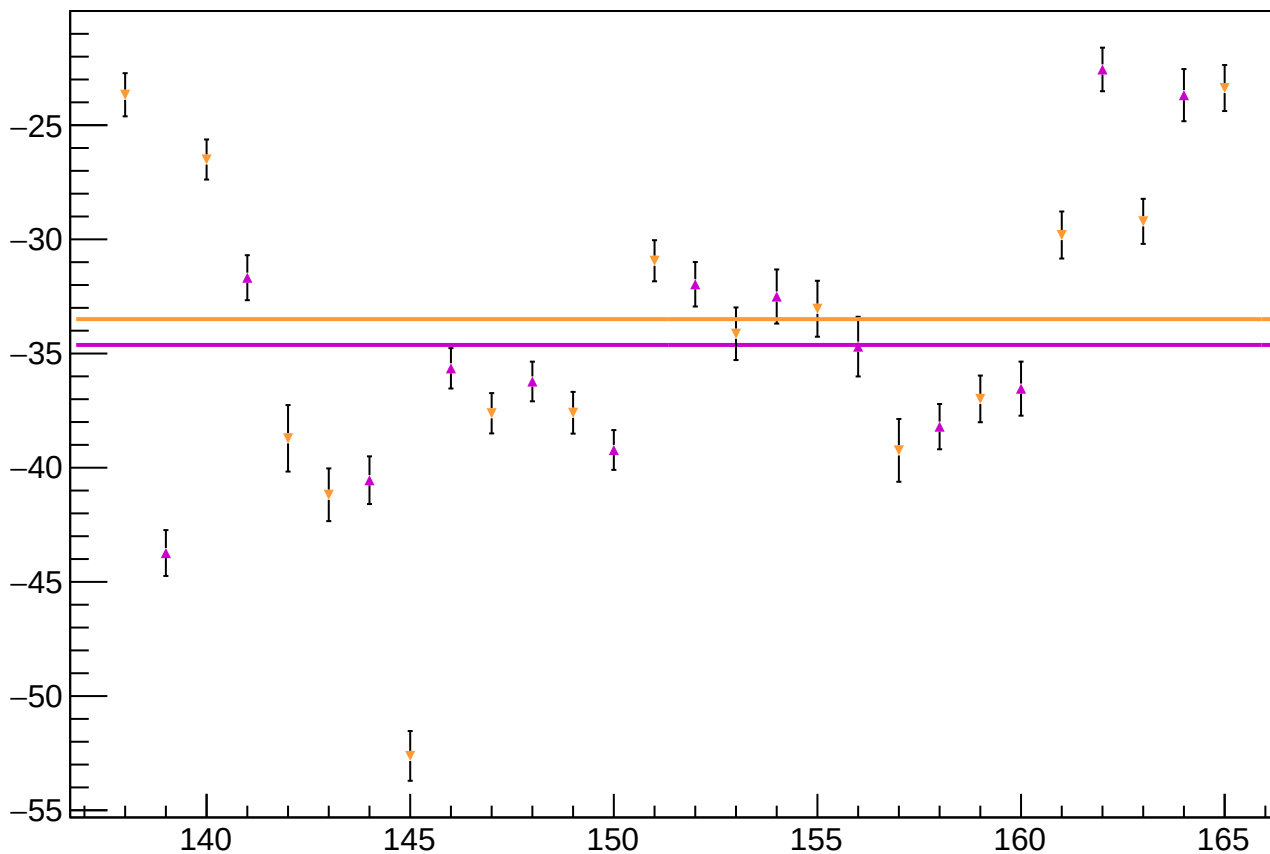
Left In: -21.347 ± 0.011 $\chi^2/\text{NDF}: 98987.5/12$

+ sign -20.955 ± 0.009 $\chi^2/\text{NDF}: 157072.6/29$

All: -20.624 ± 0.006 $\chi^2/\text{NDF}: 586032.3/60$

- sign -20.305 ± 0.009 $\chi^2/\text{NDF}: 426238.0/30$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -33.496+/-0.267 χ^2/NDF : 749.4/14

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

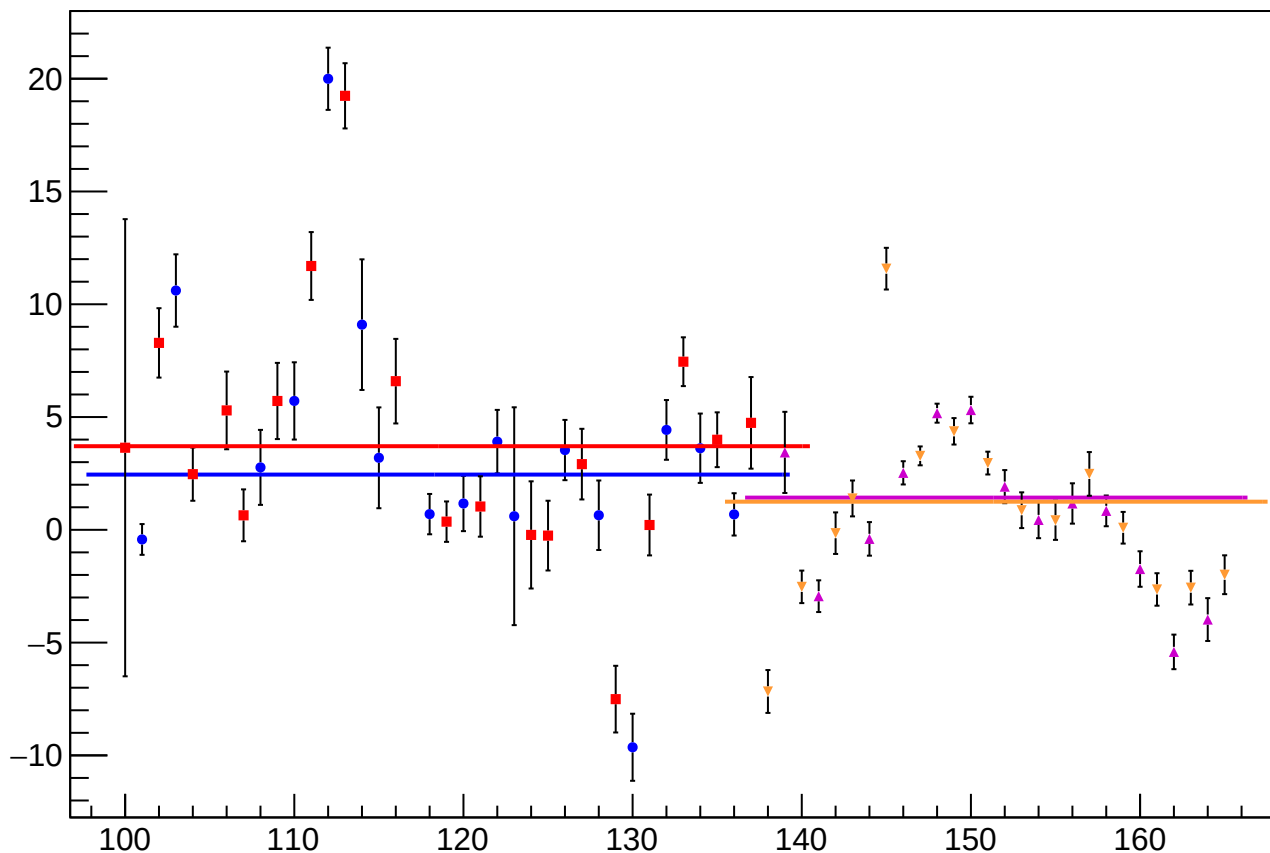
Left In: -34.624+/-0.279 χ^2/NDF : 434.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -34.034+/-0.193 χ^2/NDF : 1192.1/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 1.247 ± 0.181 χ^2/NDF : 371.3/14

Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

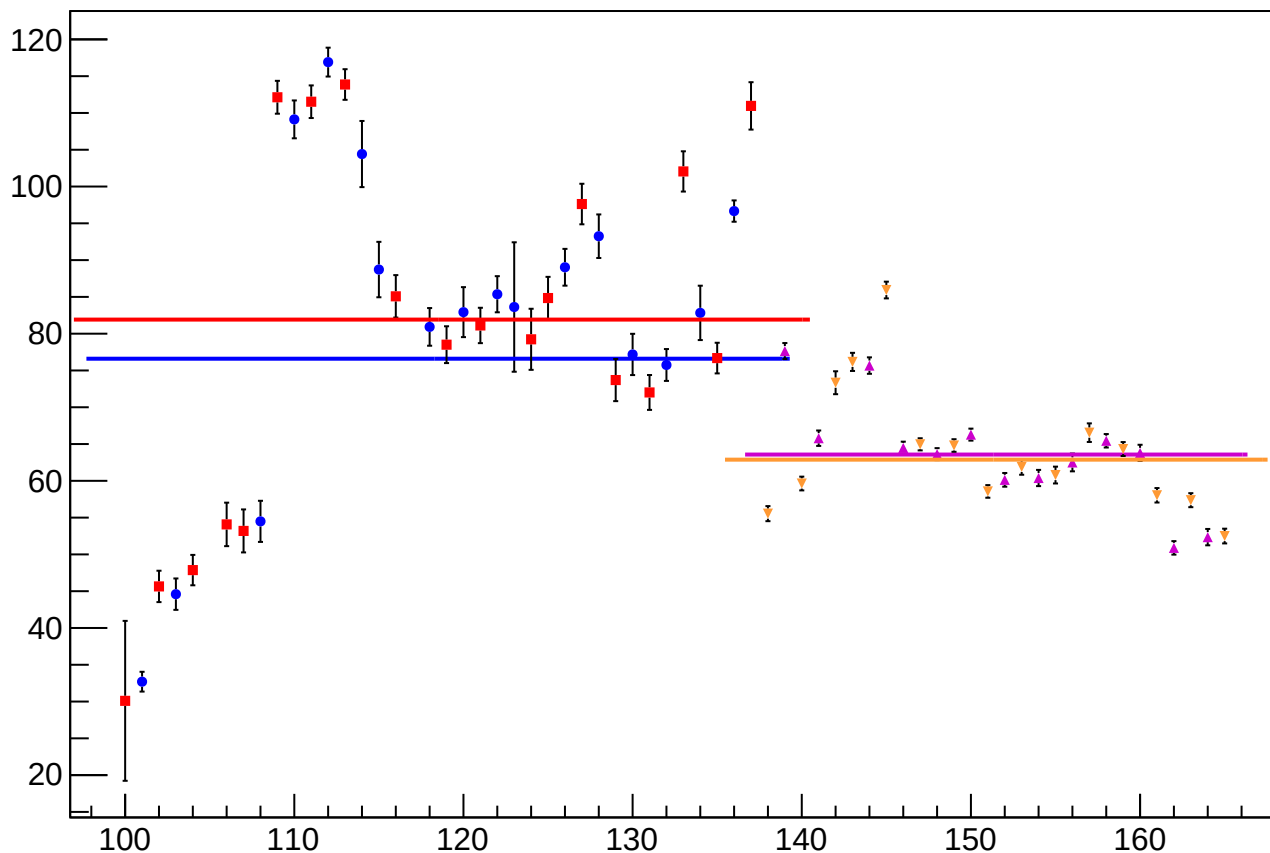
Left In: 1.428 ± 0.190 χ^2/NDF : 304.0/12

+ sign 1.546 ± 0.157 χ^2/NDF : 677.6/31

All: 1.765 ± 0.113 χ^2/NDF : 1291.5/63

- sign 2.006 ± 0.164 χ^2/NDF : 609.9/31

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2/NDF : 2255.1/16

Left Out: 62.878 $\pm$ 0.261 χ^2/NDF : 852.7/14

Right Out: 81.916 $\pm$ 0.592 χ^2/NDF : 1570.7/18

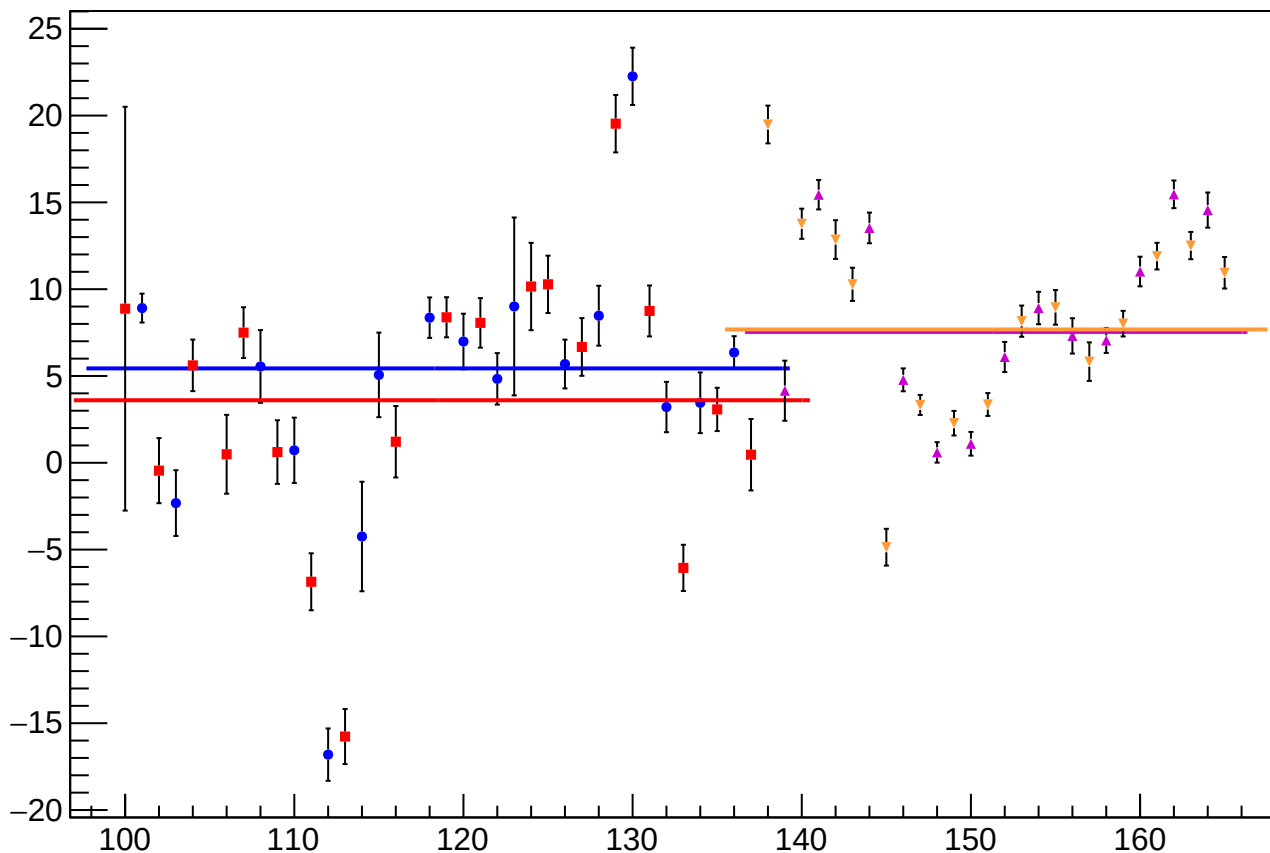
Left In: 63.572 $\pm$ 0.271 χ^2/NDF : 620.6/12

+ sign 65.219 $\pm$ 0.238 χ^2/NDF : 3578.3/31

All: 65.956 $\pm$ 0.171 χ^2/NDF : 6583.5/63

- sign 66.745 $\pm$ 0.246 χ^2/NDF : 2985.3/31

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 7.679 ± 0.215 $\chi^2/\text{NDF}: 580.2/14$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

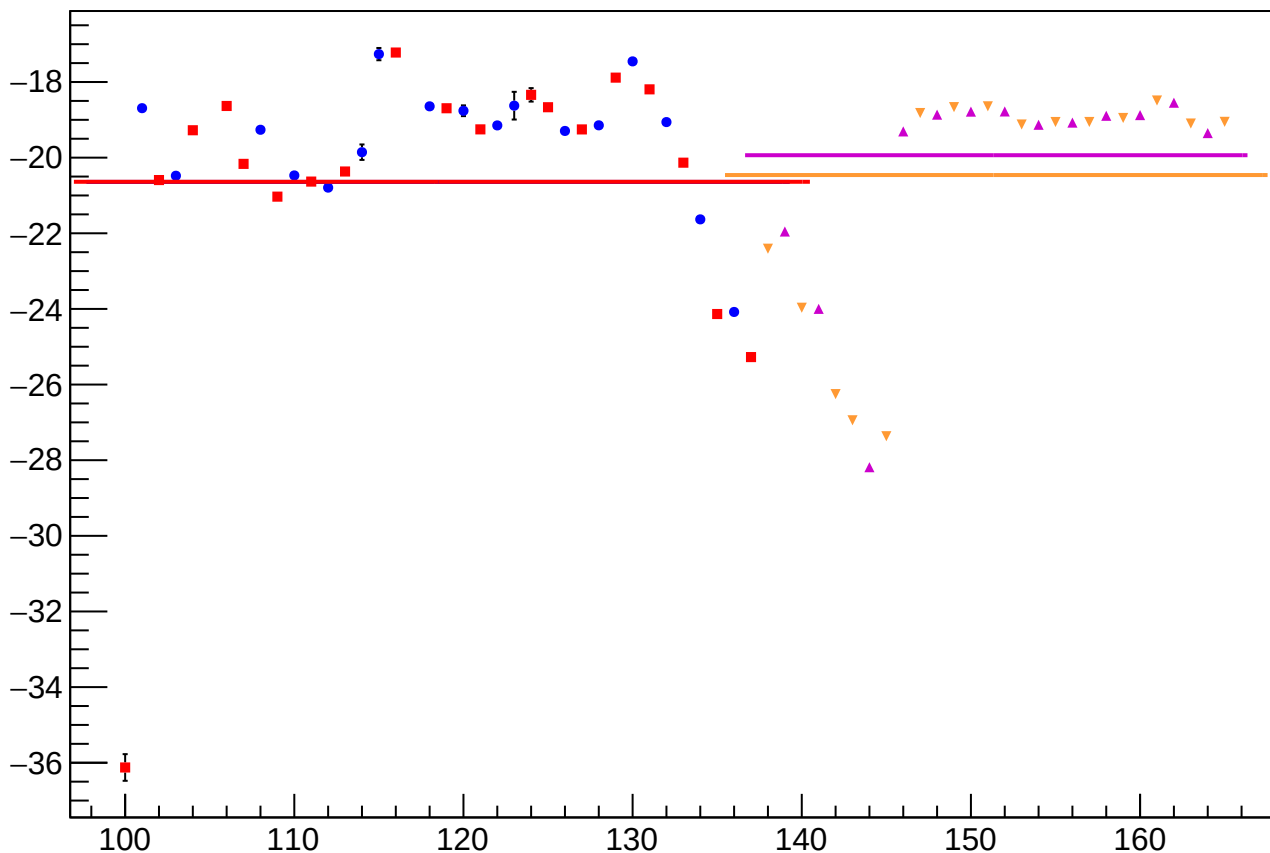
Left In: 7.540 ± 0.226 $\chi^2/\text{NDF}: 551.8/12$

+ sign 7.092 ± 0.184 $\chi^2/\text{NDF}: 996.0/31$

All: 6.806 ± 0.133 $\chi^2/\text{NDF}: 2057.1/63$

- sign 6.493 ± 0.193 $\chi^2/\text{NDF}: 1056.1/31$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -20.460 ± 0.010 $\chi^2/\text{NDF}: 76485.4/14$

Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13783.4/18$

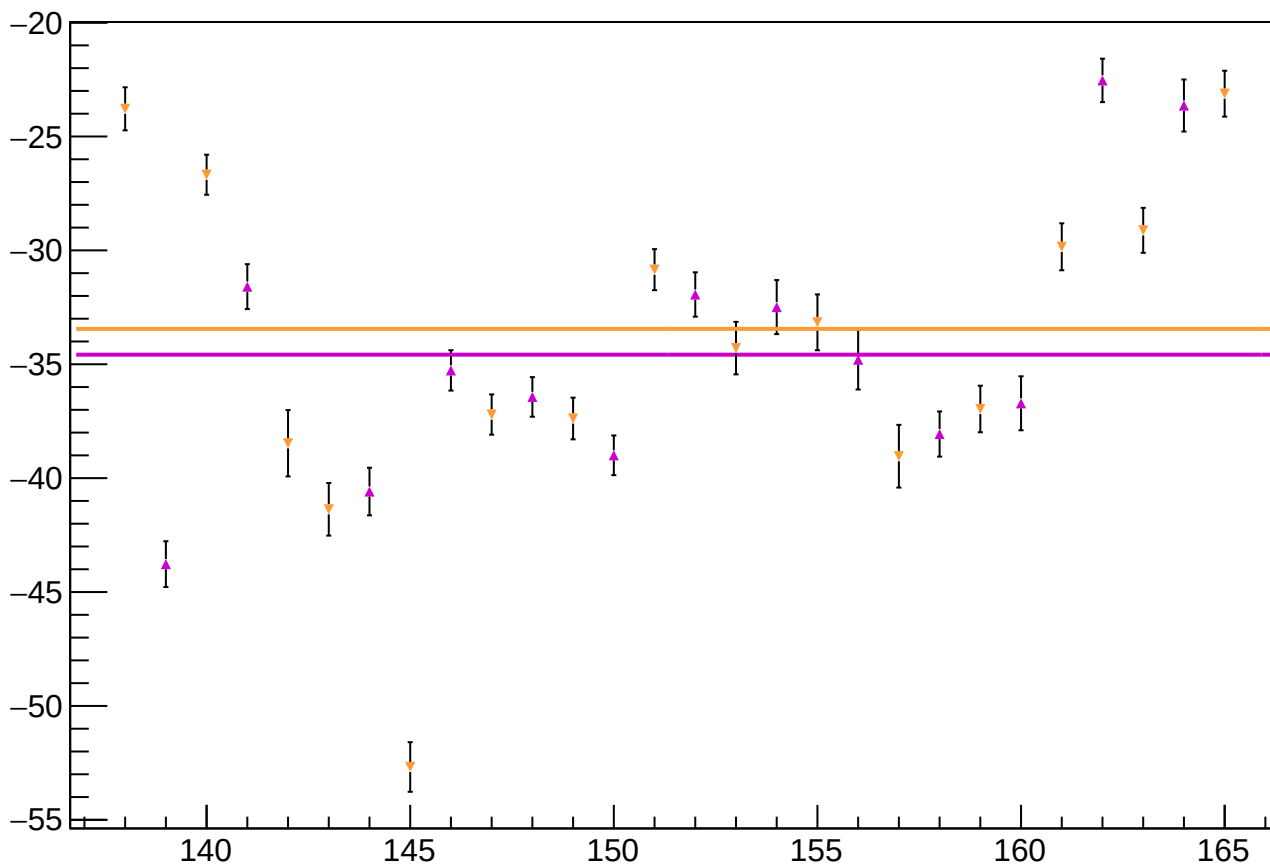
Left In: -19.936 ± 0.011 $\chi^2/\text{NDF}: 47947.8/12$

+ sign -20.501 ± 0.009 $\chi^2/\text{NDF}: 88985.6/31$

All: -20.305 ± 0.007 $\chi^2/\text{NDF}: 152657.7/63$

- sign -20.099 ± 0.009 $\chi^2/\text{NDF}: 62731.8/31$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -33.446+/-0.267 χ^2/NDF : 744.6/14

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

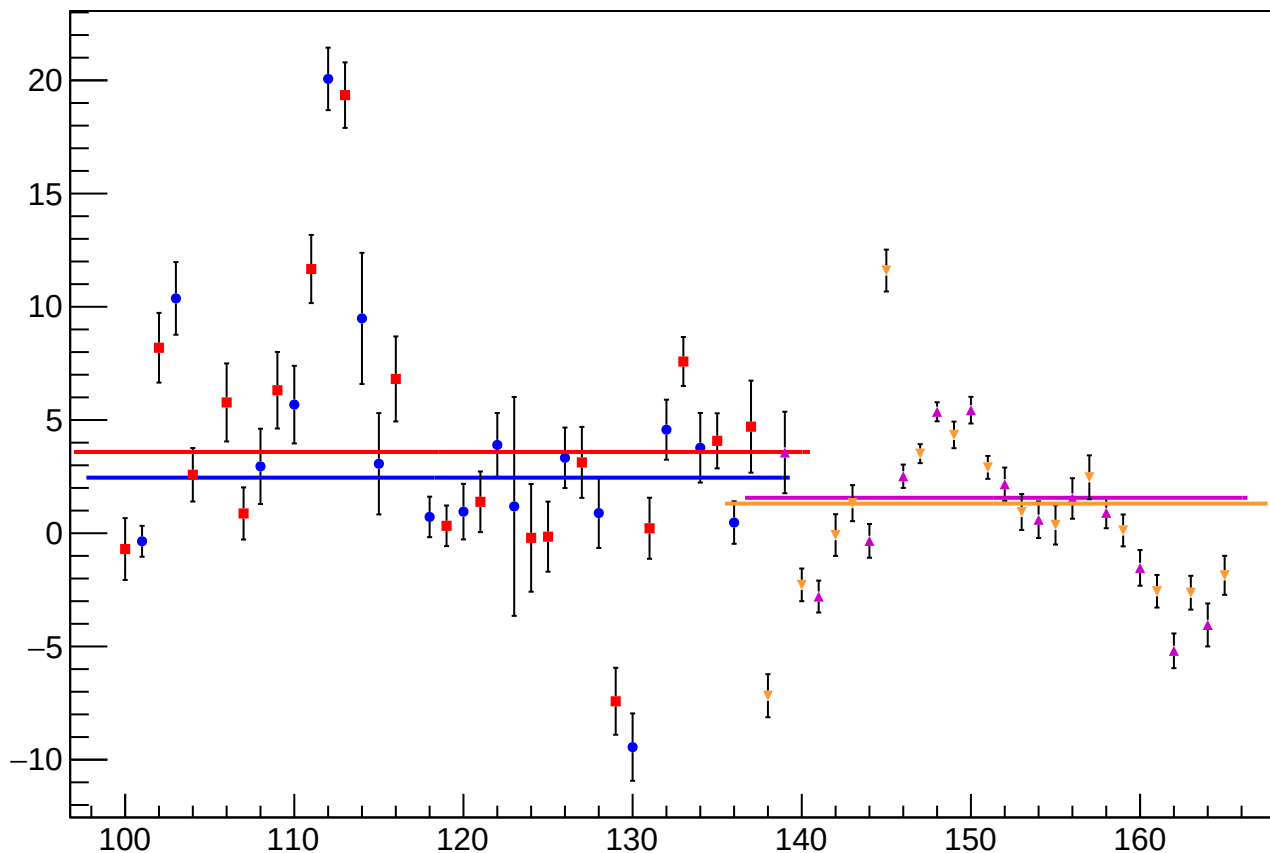
Left In: -34.579+/-0.280 χ^2/NDF : 433.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -33.986+/-0.193 χ^2/NDF : 1187.0/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 1.309 ± 0.181 χ^2/NDF : 370.8/14

Right Out: 3.590 ± 0.318 χ^2/NDF : 279.8/18

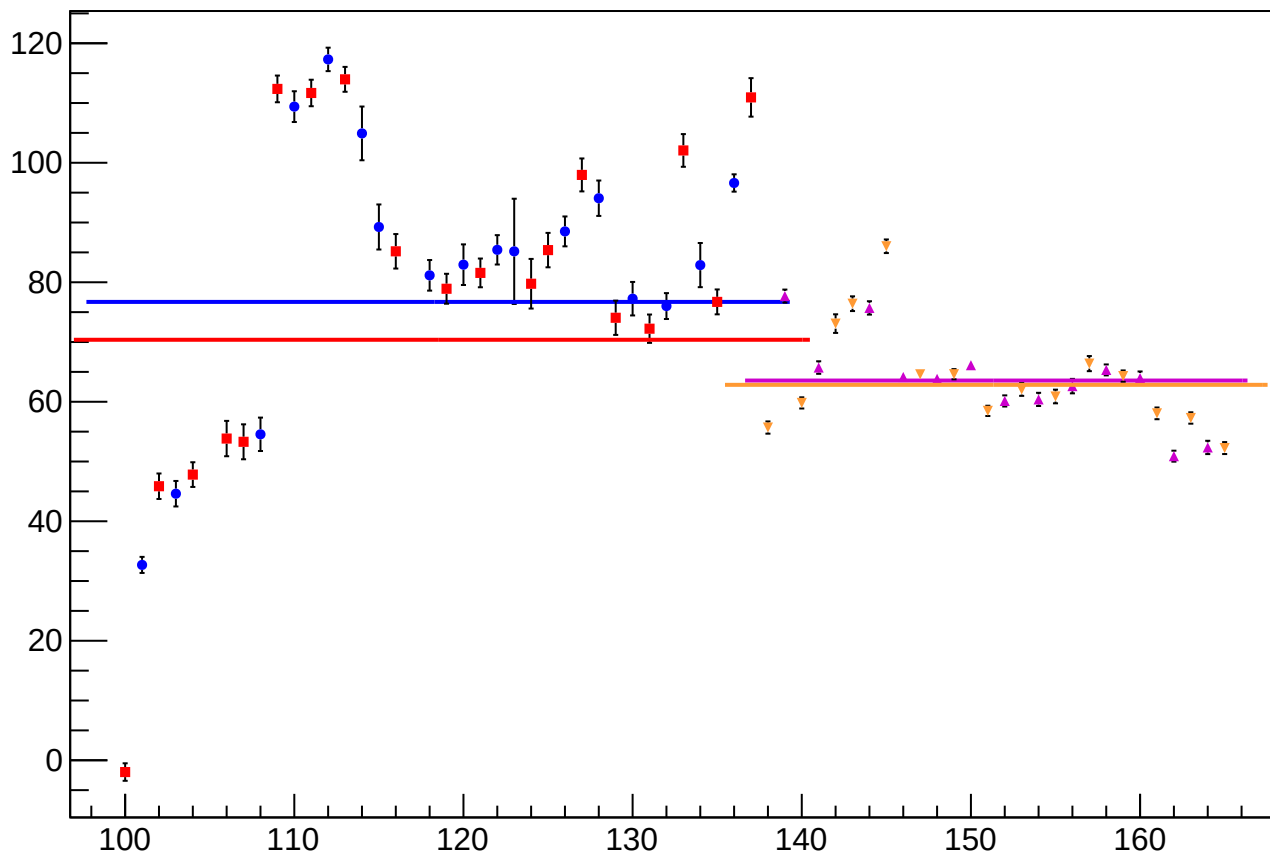
Left In: 1.565 ± 0.190 χ^2/NDF : 305.1/12

+ sign 1.594 ± 0.157 χ^2/NDF : 674.3/31

All: 1.837 ± 0.113 χ^2/NDF : 1294.1/63

- sign 2.099 ± 0.163 χ^2/NDF : 614.8/31

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 ± 0.576 $\chi^2/\text{NDF}: 2266.6/16$

Left Out: 62.834 ± 0.261 $\chi^2/\text{NDF}: 856.6/14$

Right Out: 70.376 ± 0.550 $\chi^2/\text{NDF}: 4390.7/18$

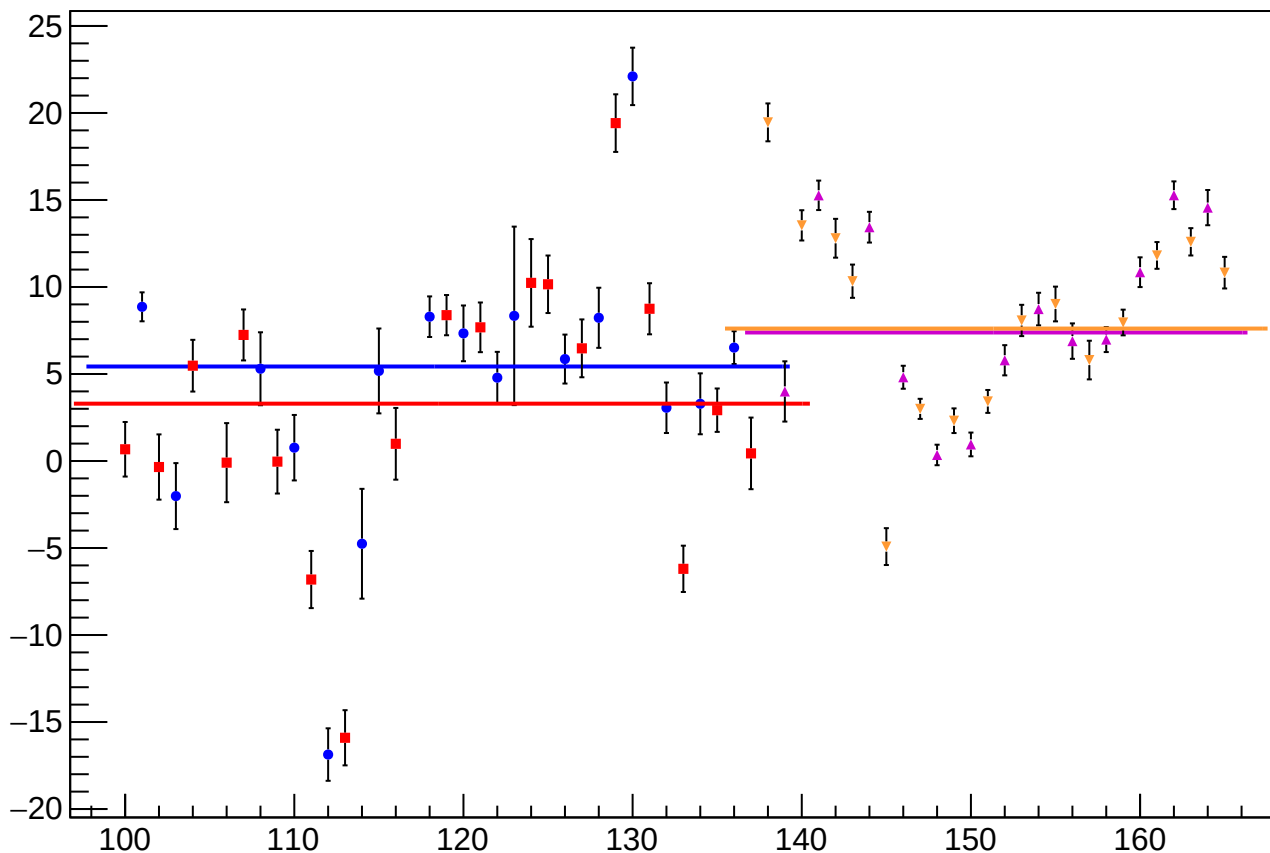
Left In: 63.552 ± 0.271 $\chi^2/\text{NDF}: 618.6/12$

+ sign 65.202 ± 0.238 $\chi^2/\text{NDF}: 3604.2/31$

All: 65.047 ± 0.170 $\chi^2/\text{NDF}: 8738.3/63$

- sign 64.885 ± 0.243 $\chi^2/\text{NDF}: 5133.2/31$

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 7.611 ± 0.215 $\chi^2/\text{NDF}: 582.7/14$

Right Out: 3.295 ± 0.365 $\chi^2/\text{NDF}: 426.1/18$

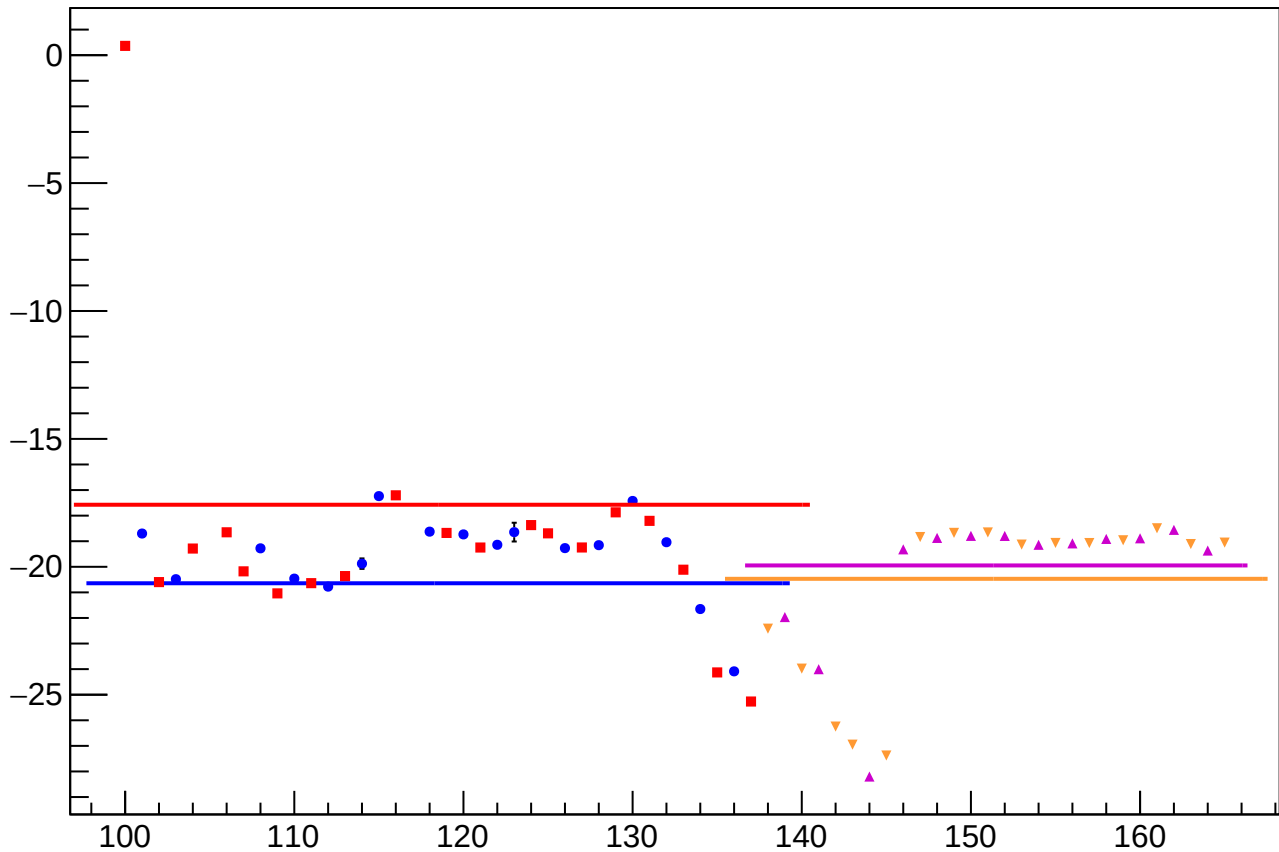
Left In: 7.385 ± 0.226 $\chi^2/\text{NDF}: 554.7/12$

+ sign 7.040 ± 0.185 $\chi^2/\text{NDF}: 995.6/31$

All: 6.662 ± 0.133 $\chi^2/\text{NDF}: 2075.9/63$

- sign 6.253 ± 0.192 $\chi^2/\text{NDF}: 1071.6/31$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -20.469 ± 0.010 $\chi^2/\text{NDF}: 76340.9/14$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178327.0/18$

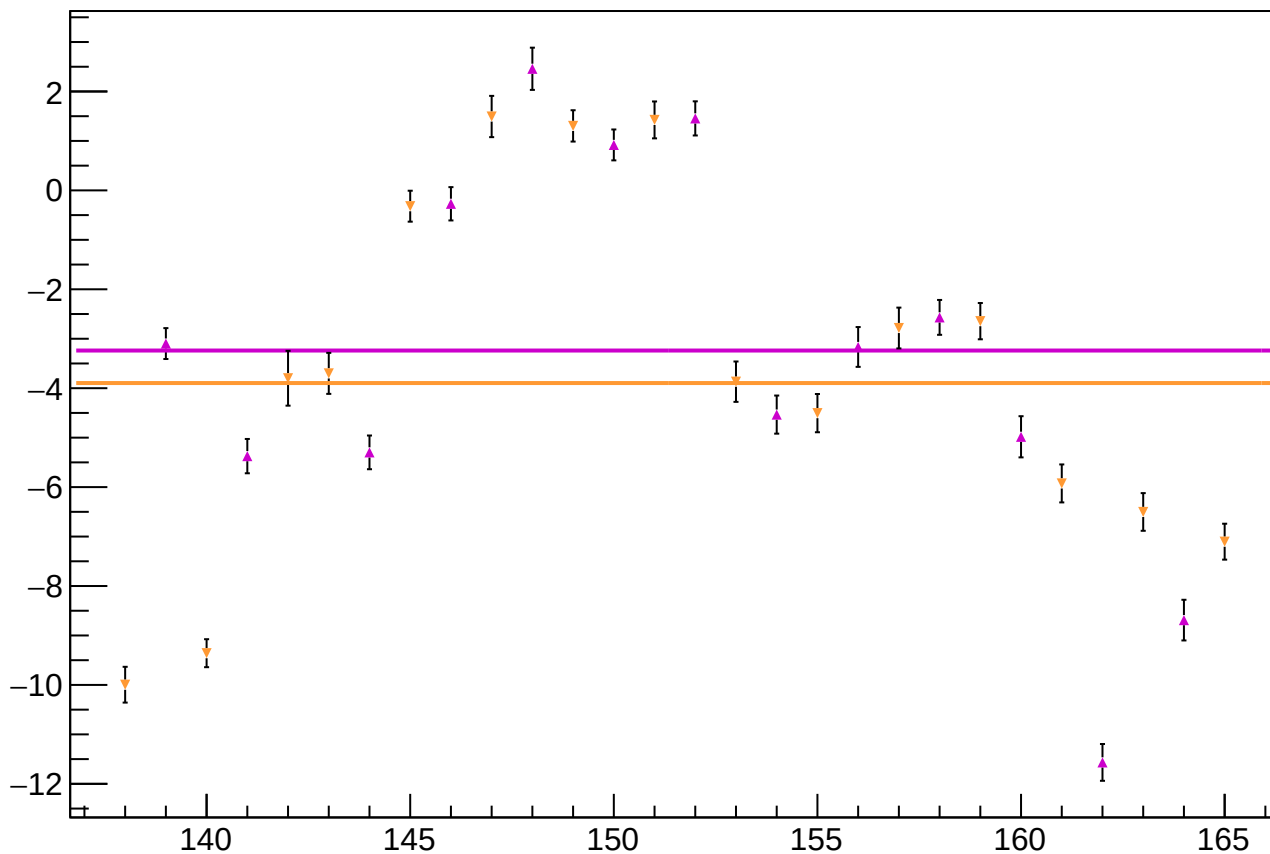
Left In: -19.947 ± 0.011 $\chi^2/\text{NDF}: 47877.2/12$

+ sign -20.508 ± 0.009 $\chi^2/\text{NDF}: 88872.1/31$

All: -19.921 ± 0.006 $\chi^2/\text{NDF}: 336130.0/63$

- sign -19.328 ± 0.009 $\chi^2/\text{NDF}: 239000.3/31$

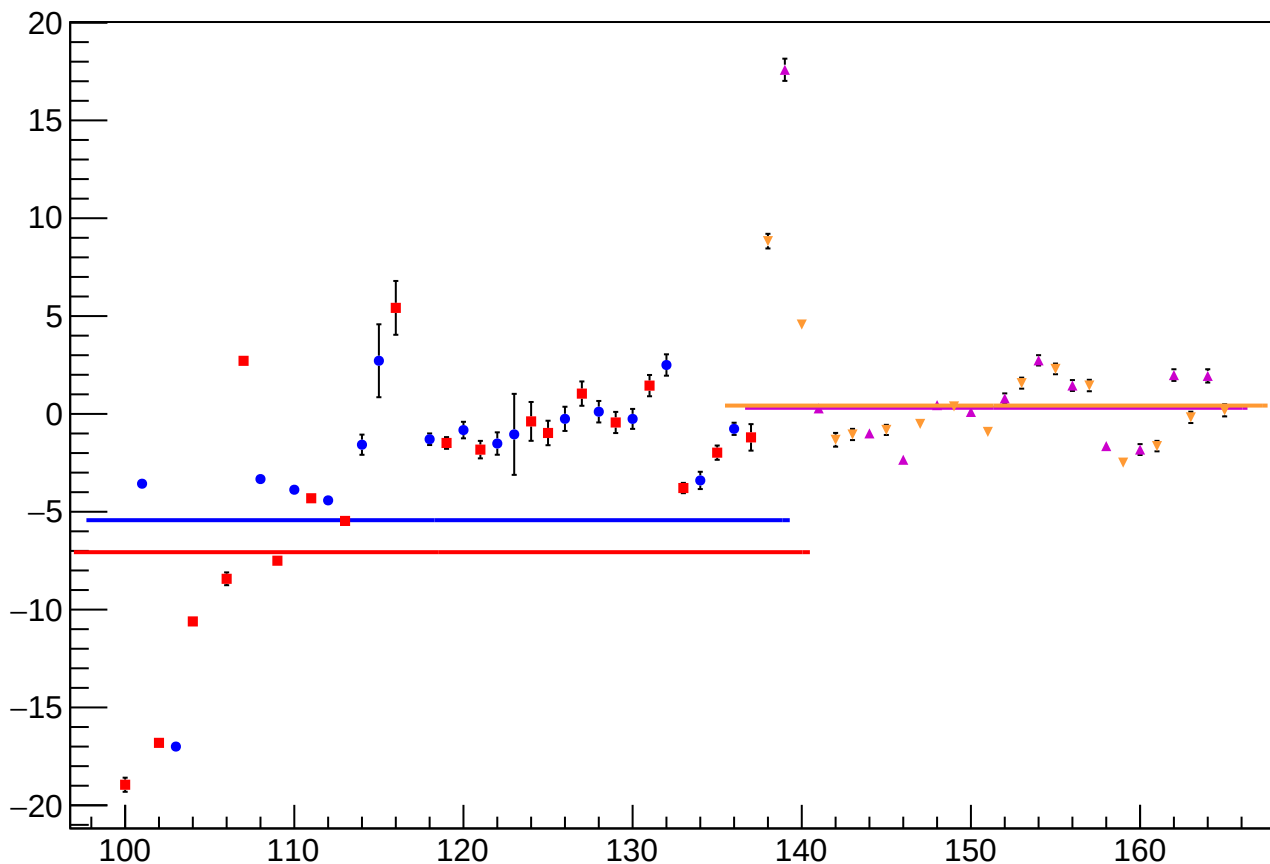
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -3.896 $\pm$ 0.096 χ^2 /NDF:1601.6/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.238 $\pm$ 0.100 χ^2 /NDF:1402.0/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -3.582 $\pm$ 0.069 χ^2 /NDF: 3026.2/27
 - 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: 0.426 ± 0.068 χ^2/NDF : 1220.6/14

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

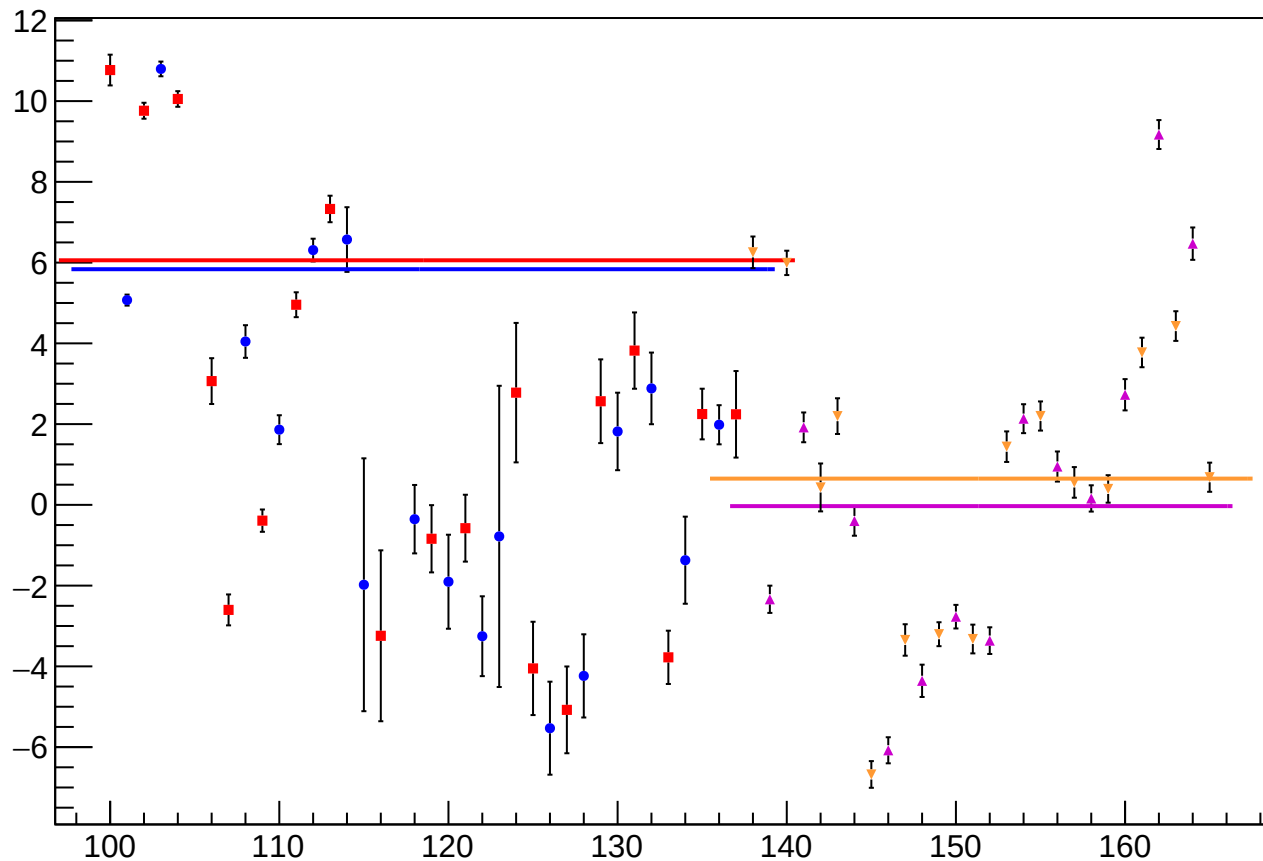
Left In: 0.313 ± 0.072 χ^2/NDF : 1394.6/12

+ sign -3.106 ± 0.043 χ^2/NDF : 14978.4/31

All: -3.562 ± 0.031 χ^2/NDF : 35239.1/63

- sign -4.085 ± 0.046 χ^2/NDF : 20014.4/31

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 χ^2/NDF : 1440.9/16

Left Out: 0.650 ± 0.094 χ^2/NDF : 1622.8/14

Right Out: 6.057 ± 0.093 χ^2/NDF : 2668.9/18

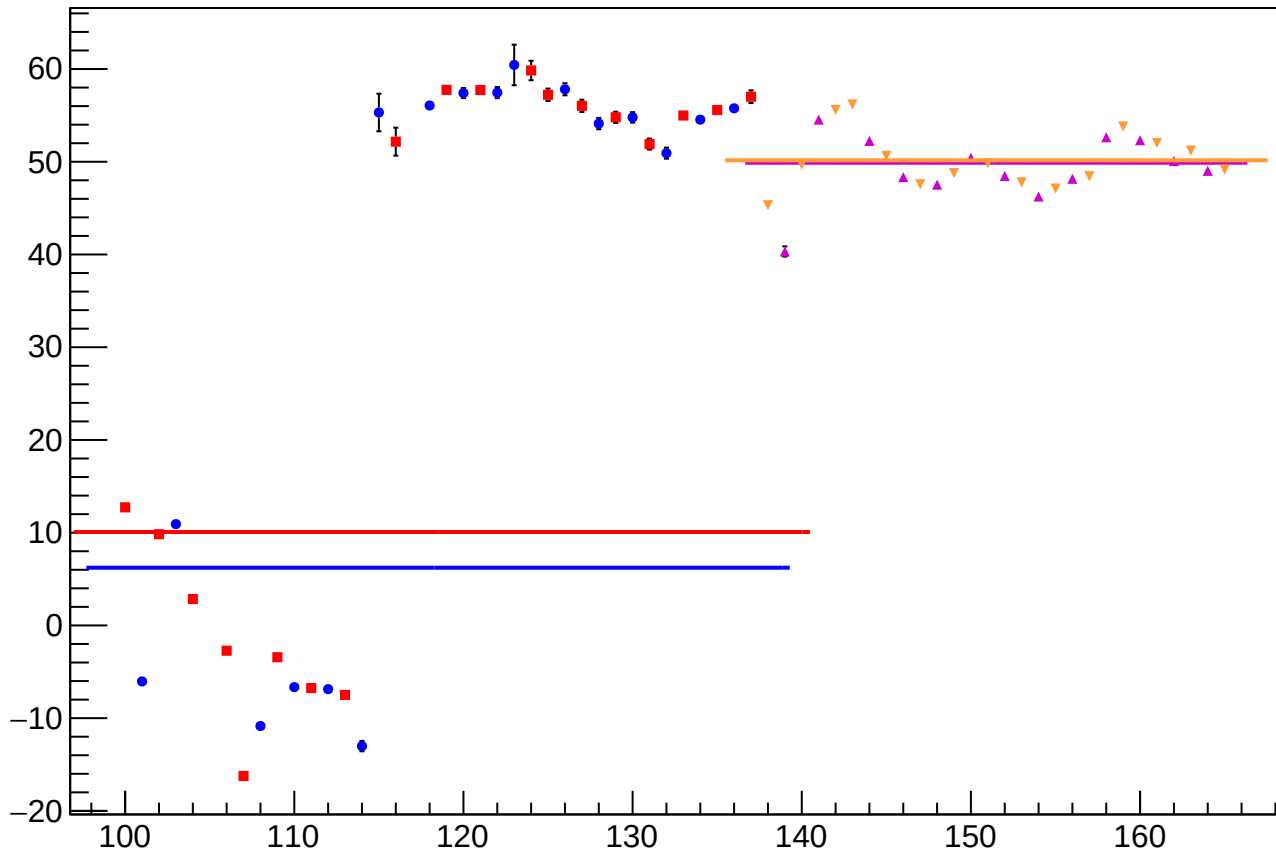
Left In: -0.031 ± 0.097 χ^2/NDF : 1750.9/12

+ sign 3.365 ± 0.065 χ^2/NDF : 4658.2/31

All: 3.258 ± 0.047 χ^2/NDF : 11121.1/63

- sign 3.143 ± 0.067 χ^2/NDF : 6457.3/31

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 50.157 ± 0.079 χ^2/NDF : 1155.3/14

Right Out: 10.075 ± 0.070 χ^2/NDF : 122049.3/18

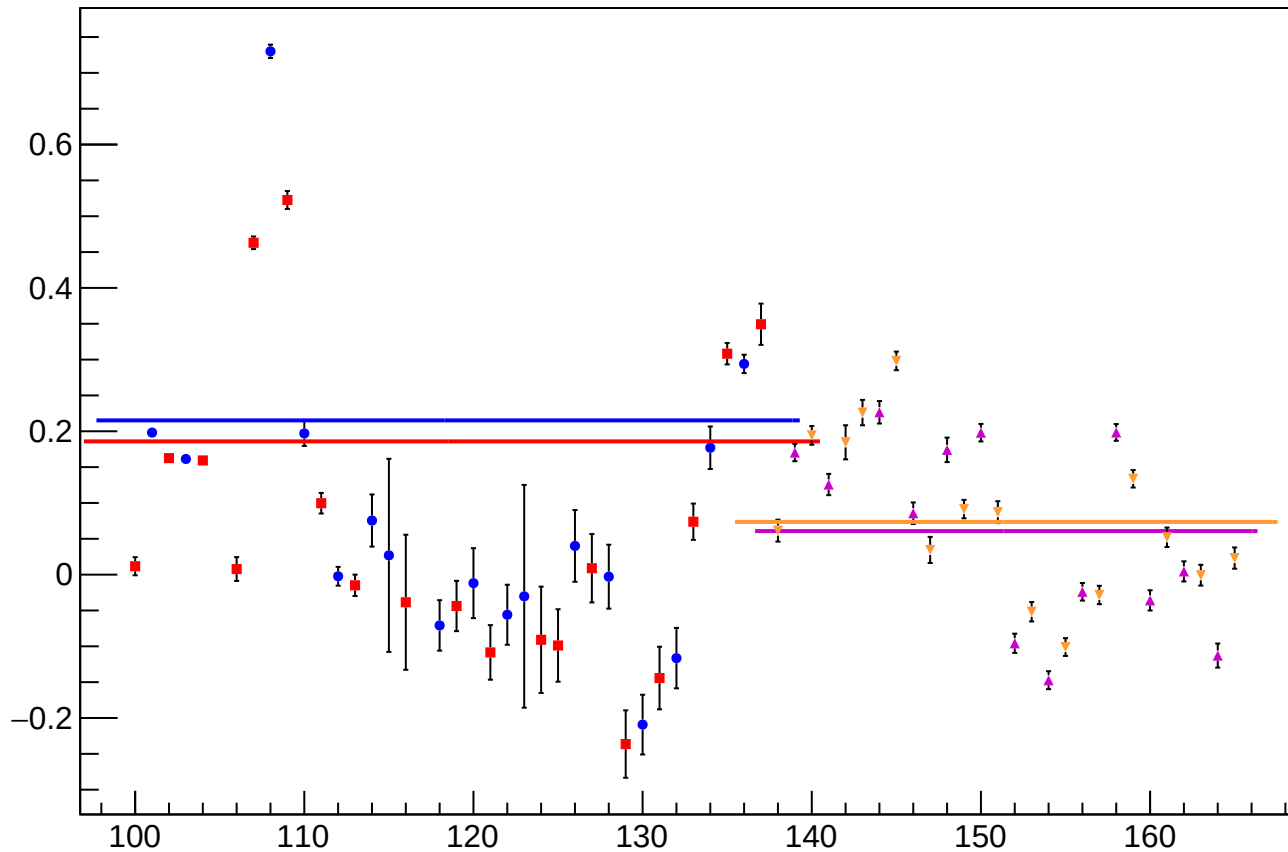
Left In: 49.892 ± 0.083 χ^2/NDF : 1100.7/12

+ sign 23.945 ± 0.050 χ^2/NDF : 307321.3/31

All: 25.155 ± 0.037 χ^2/NDF : 566462.7/63

- sign 26.532 ± 0.053 χ^2/NDF : 257892.7/31

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.074 ± 0.004 χ^2/NDF : 901.3/14

Right Out: 0.186 ± 0.003 χ^2/NDF : 2718.1/18

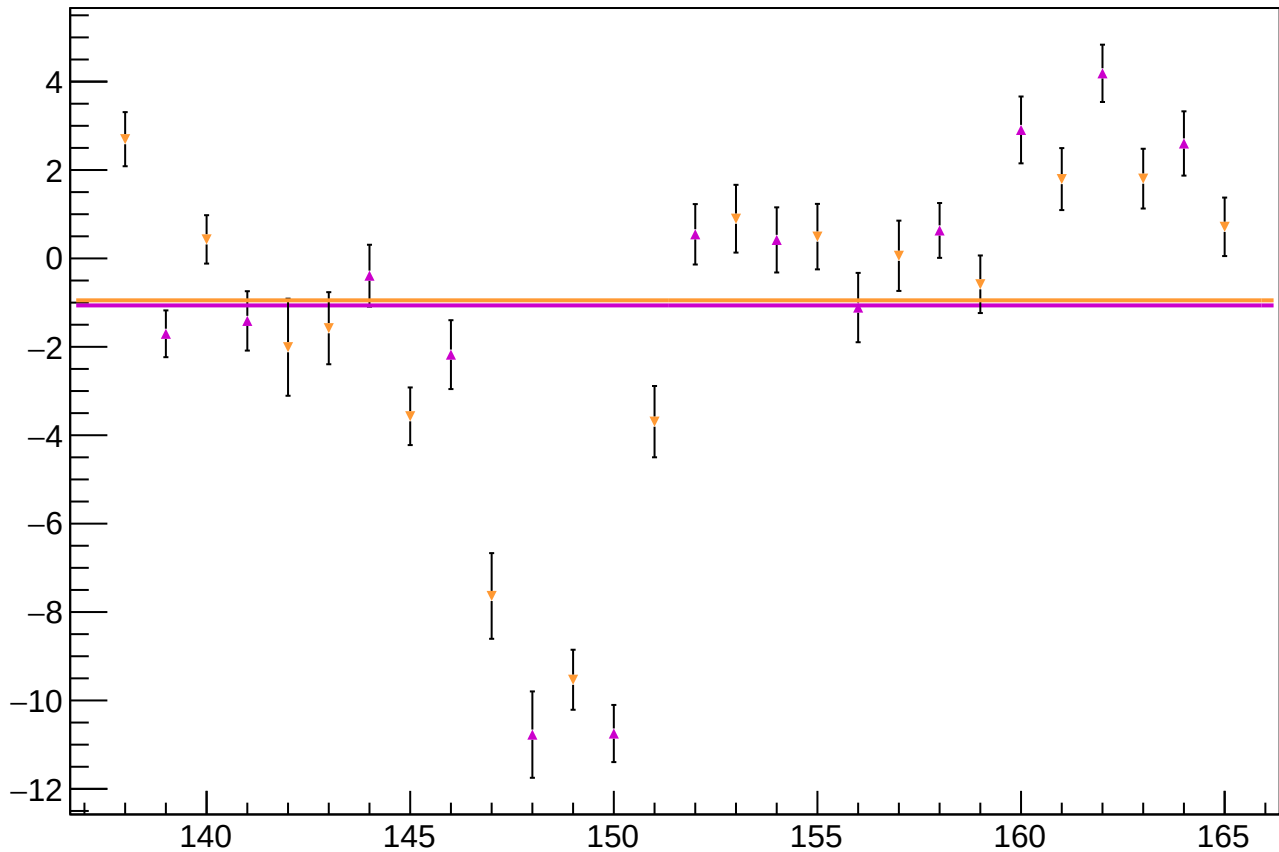
Left In: 0.061 ± 0.004 χ^2/NDF : 1153.1/12

+ sign 0.164 ± 0.002 χ^2/NDF : 5773.3/31

All: 0.154 ± 0.002 χ^2/NDF : 10409.5/63

- sign 0.144 ± 0.002 χ^2/NDF : 4595.6/31

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.948+/-0.184 χ^2/NDF : 328.2/14

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

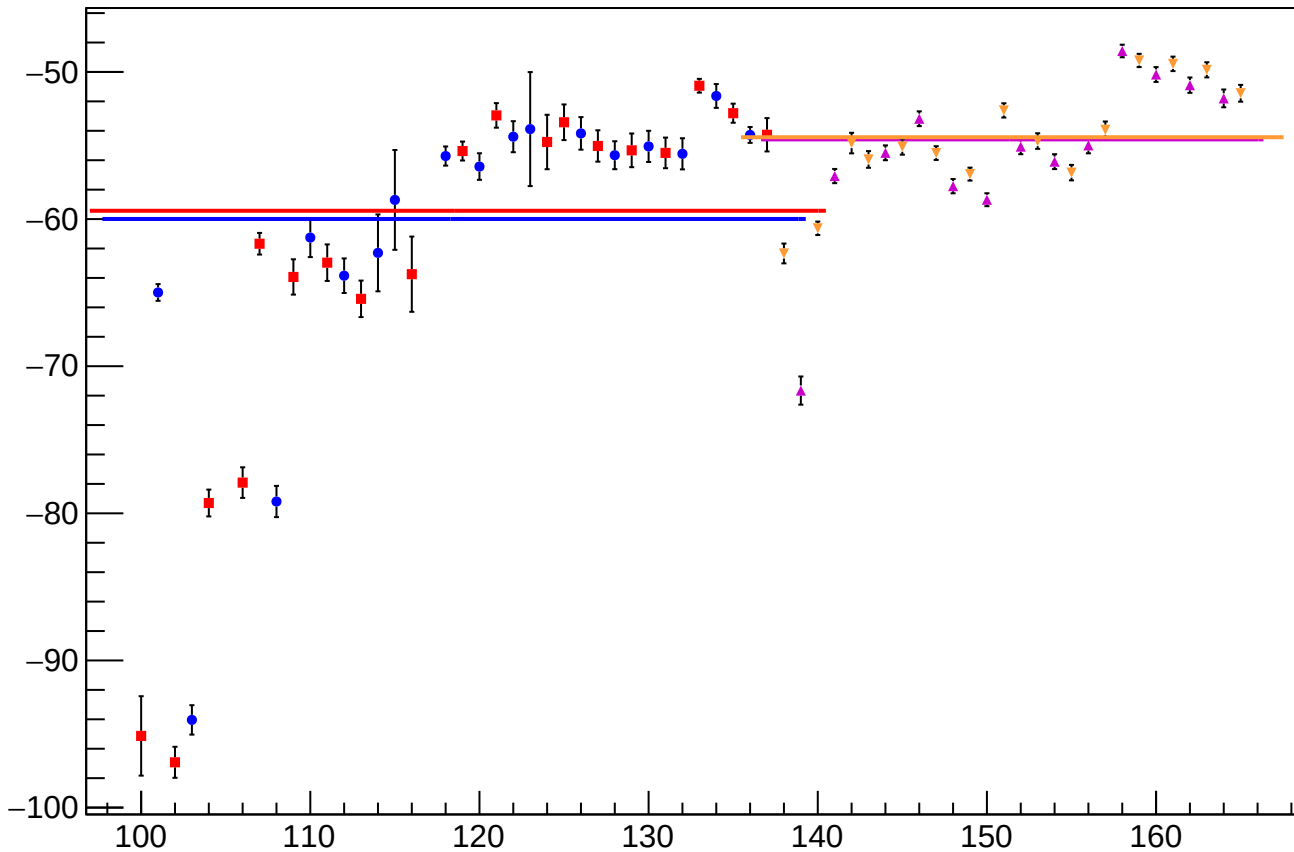
Left In: -1.063+/-0.192 χ^2/NDF : 463.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1.003+/-0.133 χ^2/NDF : 791.9/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.438 ± 0.134 χ^2/NDF : 747.4/14

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

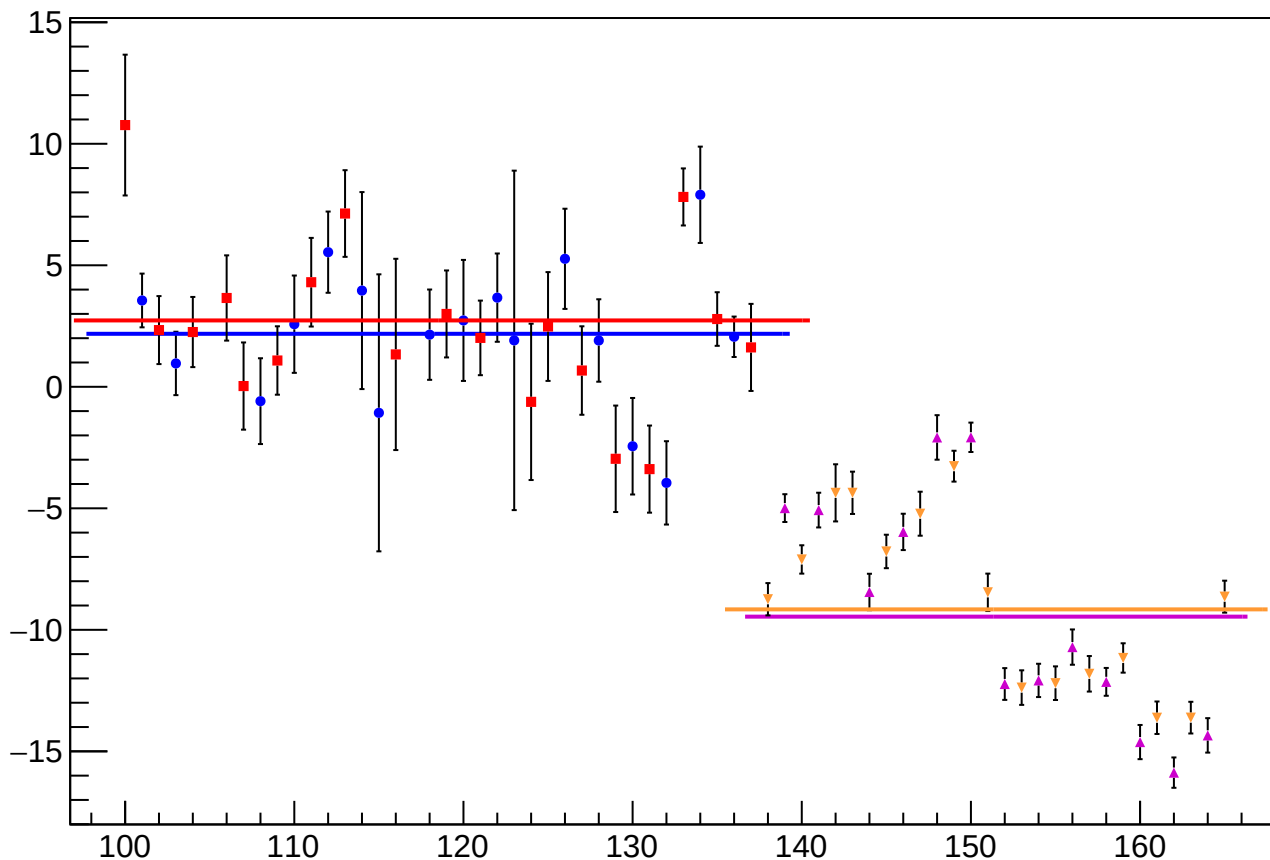
Left In: -54.584 ± 0.142 χ^2/NDF : 839.5/12

+ sign -55.891 ± 0.115 χ^2/NDF : 3170.3/31

All: -55.987 ± 0.082 χ^2/NDF : 7290.6/63

- sign -56.088 ± 0.118 χ^2/NDF : 4118.8/31

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 $\pm$ 0.406 χ^2 /NDF: 39.0/16

Left Out: -9.159 $\pm$ 0.182 χ^2 /NDF: 333.3/14

Right Out: 2.731 $\pm$ 0.388 χ^2 /NDF: 58.9/18

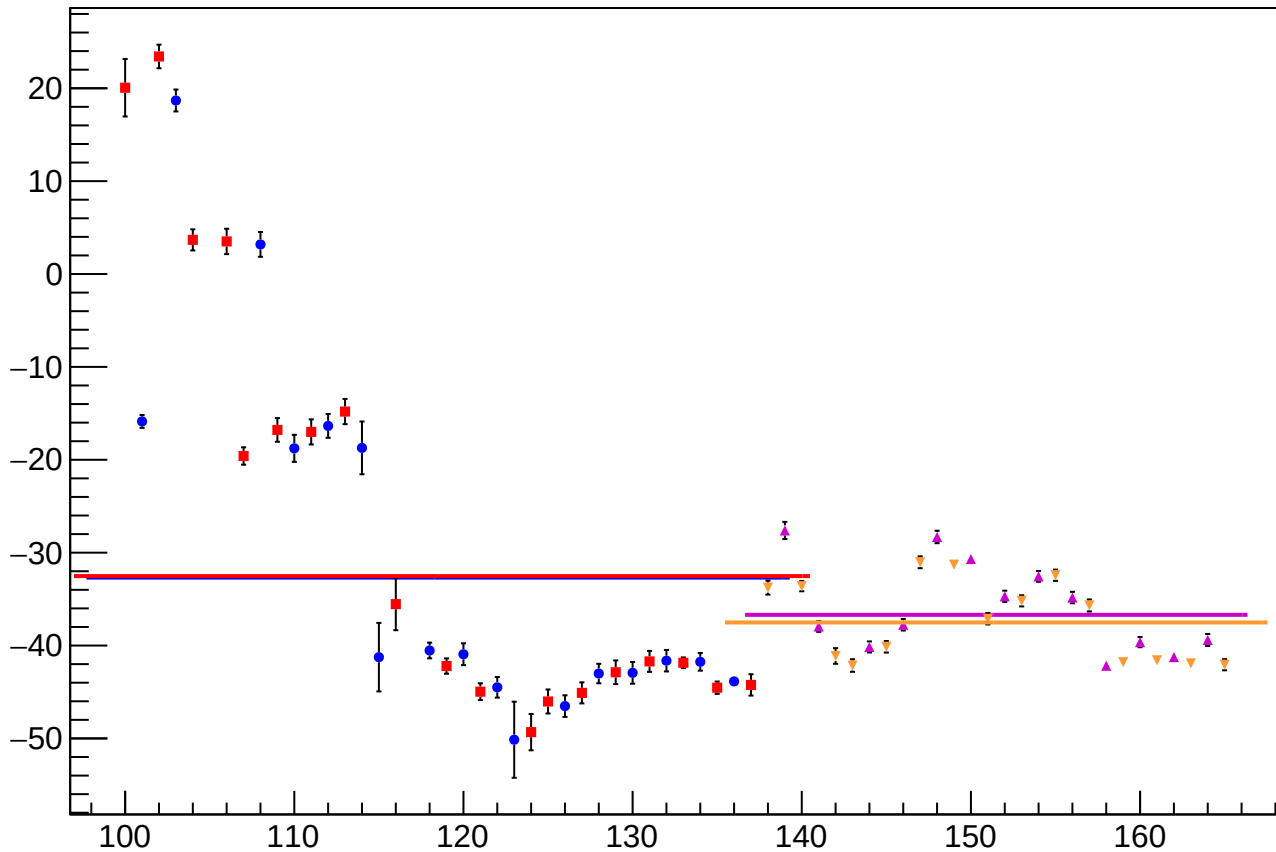
Left In: -9.458 $\pm$ 0.187 χ^2 /NDF: 600.6/12

+ sign -7.265 $\pm$ 0.166 χ^2 /NDF: 1023.3/31

All: -7.210 $\pm$ 0.118 χ^2 /NDF: 2483.4/63

- sign -7.154 $\pm$ 0.169 χ^2 /NDF: 1459.9/31

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: -37.514 ± 0.154 $\chi^2/\text{NDF}: 759.9/14$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

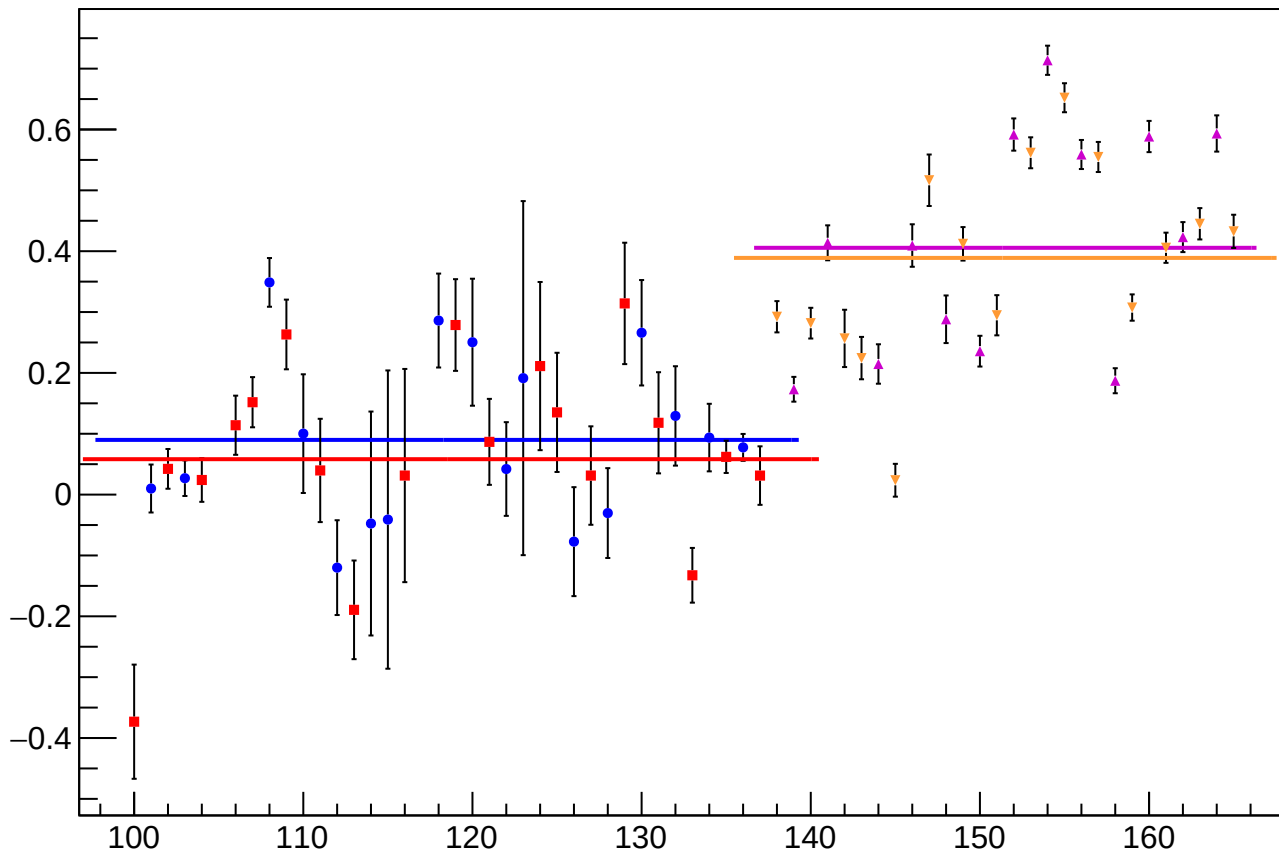
Left In: -36.694 ± 0.162 $\chi^2/\text{NDF}: 769.1/12$

+ sign -36.228 ± 0.132 $\chi^2/\text{NDF}: 5668.7/31$

All: -35.831 ± 0.094 $\chi^2/\text{NDF}: 12704.3/63$

- sign -35.416 ± 0.135 $\chi^2/\text{NDF}: 7017.1/31$

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: 0.389 ± 0.007 $\chi^2/\text{NDF}: 499.0/14$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

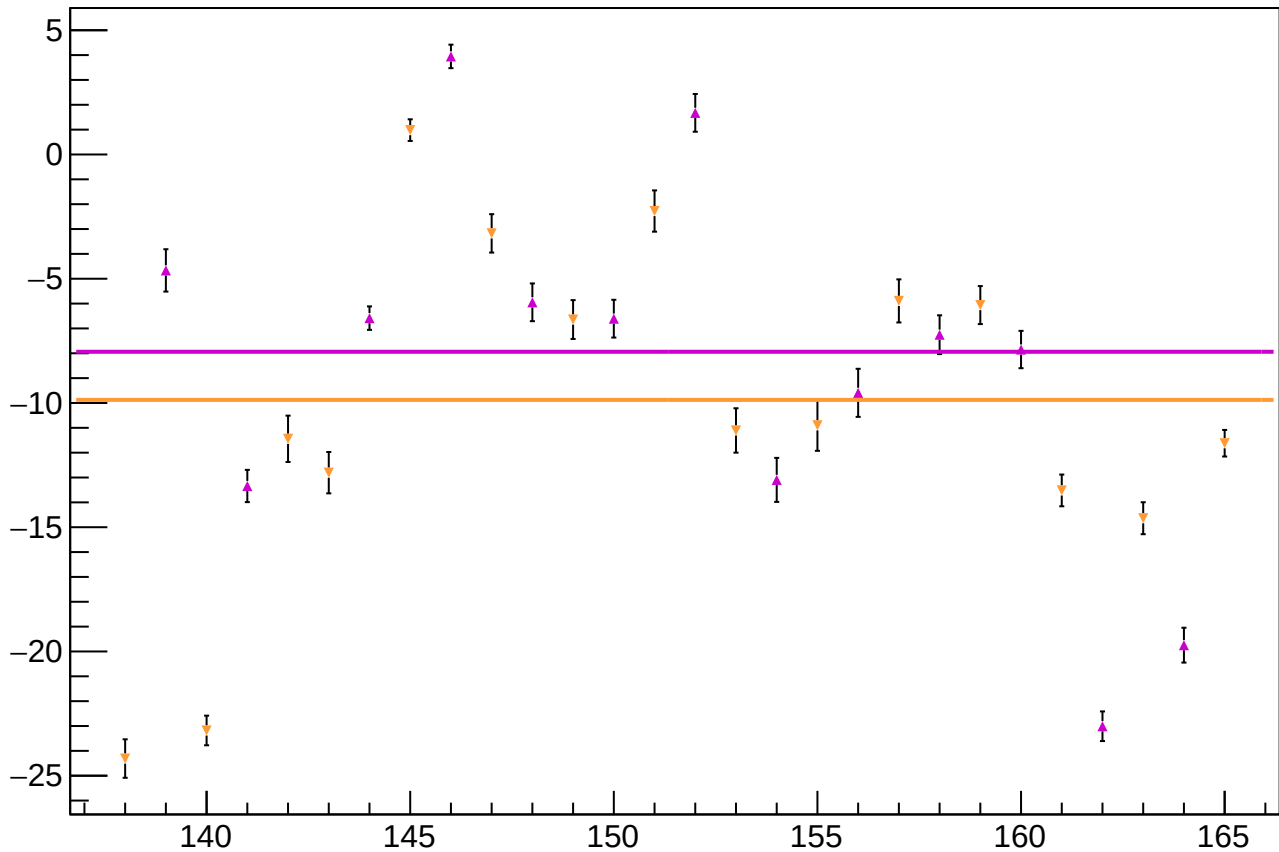
Left In: 0.406 ± 0.007 $\chi^2/\text{NDF}: 678.6/12$

+ sign 0.319 ± 0.006 $\chi^2/\text{NDF}: 999.3/31$

All: 0.317 ± 0.004 $\chi^2/\text{NDF}: 2367.7/63$

- sign 0.315 ± 0.006 $\chi^2/\text{NDF}: 1368.2/31$

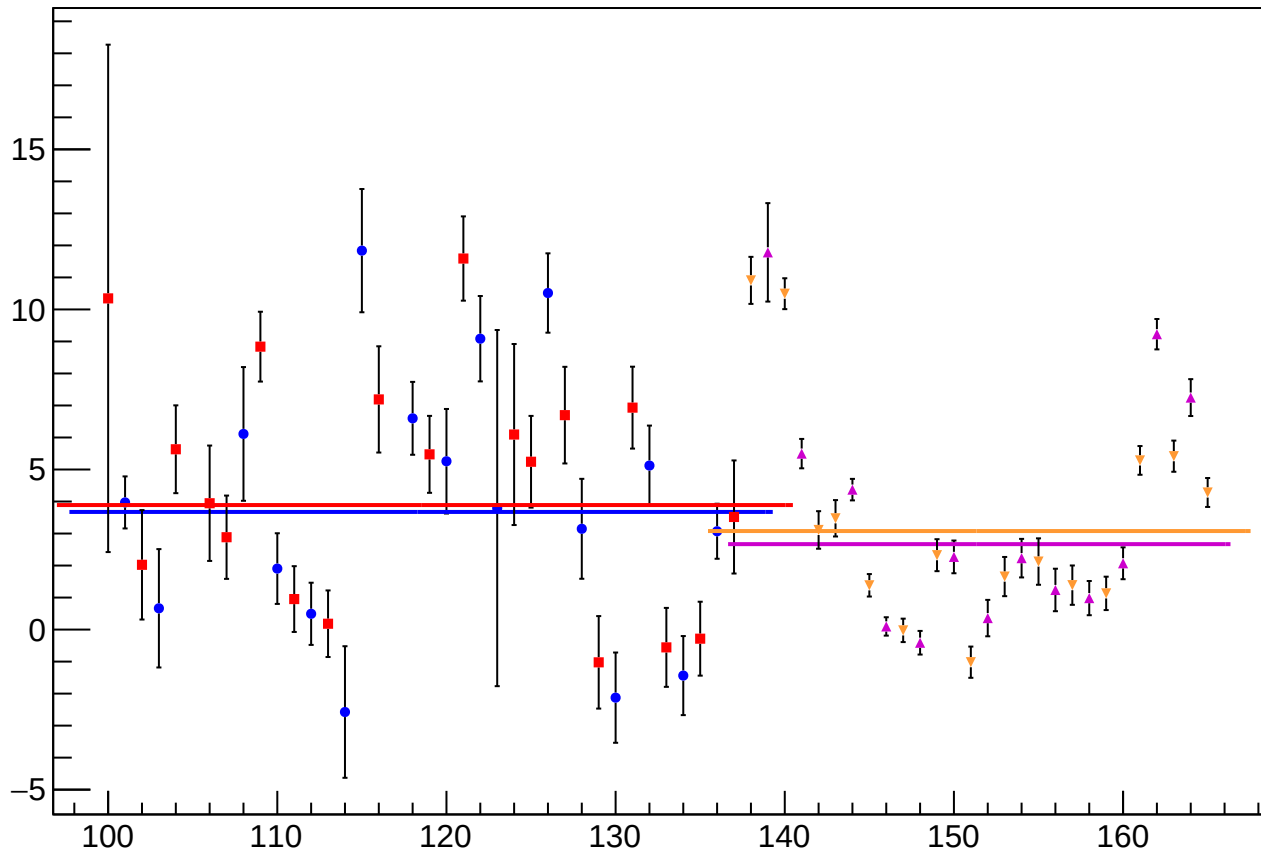
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.876+/-0.180 χ^2/NDF : 1802.3/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.939+/-0.187 χ^2/NDF : 1854.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -8.943+/-0.130 χ^2/NDF : 3711.8/27
 - 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 $\chi^2/\text{NDF}: 135.2/16$

Left Out: 3.078 ± 0.128 $\chi^2/\text{NDF}: 601.3/14$

Right Out: 3.890 ± 0.316 $\chi^2/\text{NDF}: 133.7/18$

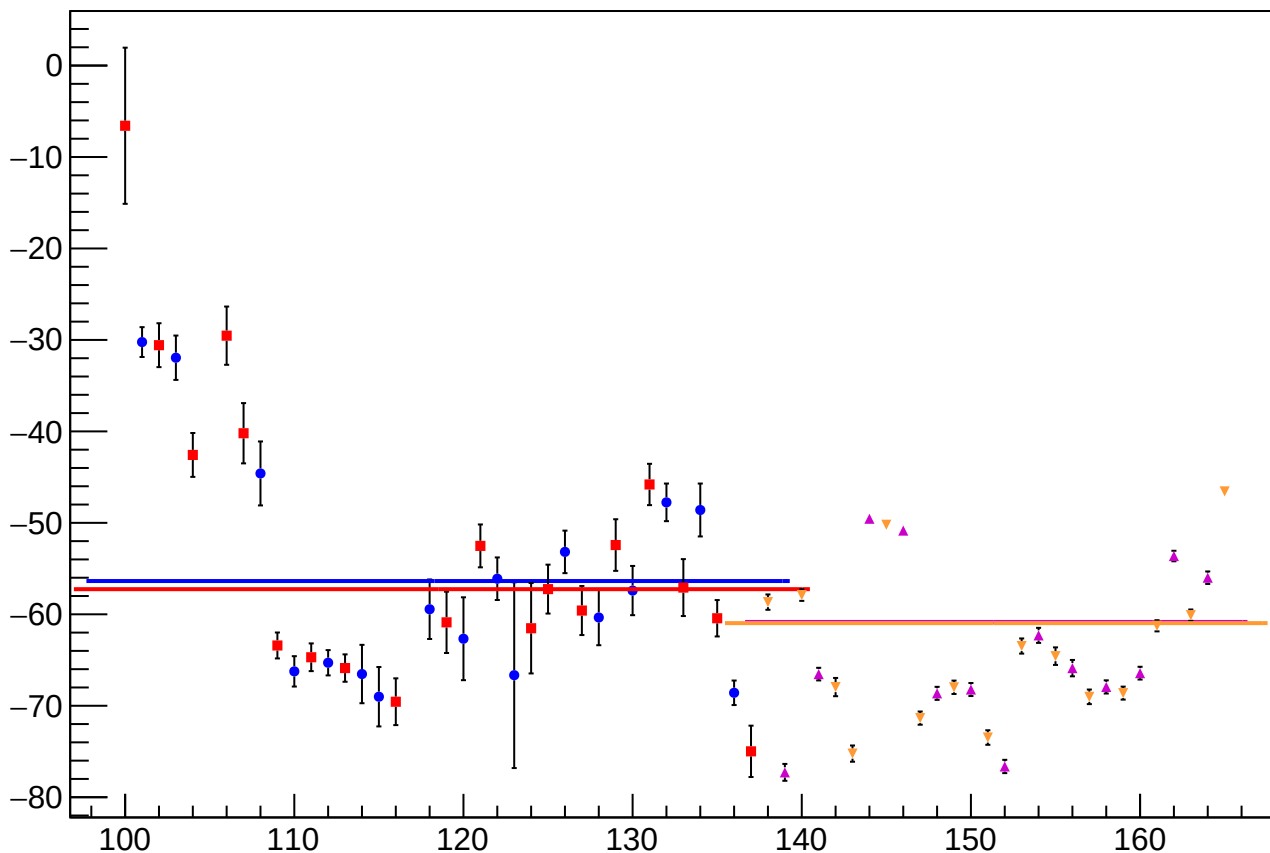
Left In: 2.669 ± 0.129 $\chi^2/\text{NDF}: 536.3/12$

+ sign 3.165 ± 0.118 $\chi^2/\text{NDF}: 739.6/31$

All: 3.004 ± 0.084 $\chi^2/\text{NDF}: 1426.1/63$

- sign 2.842 ± 0.119 $\chi^2/\text{NDF}: 682.8/31$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -60.965 ± 0.179 χ^2/NDF : 2401.3/14

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

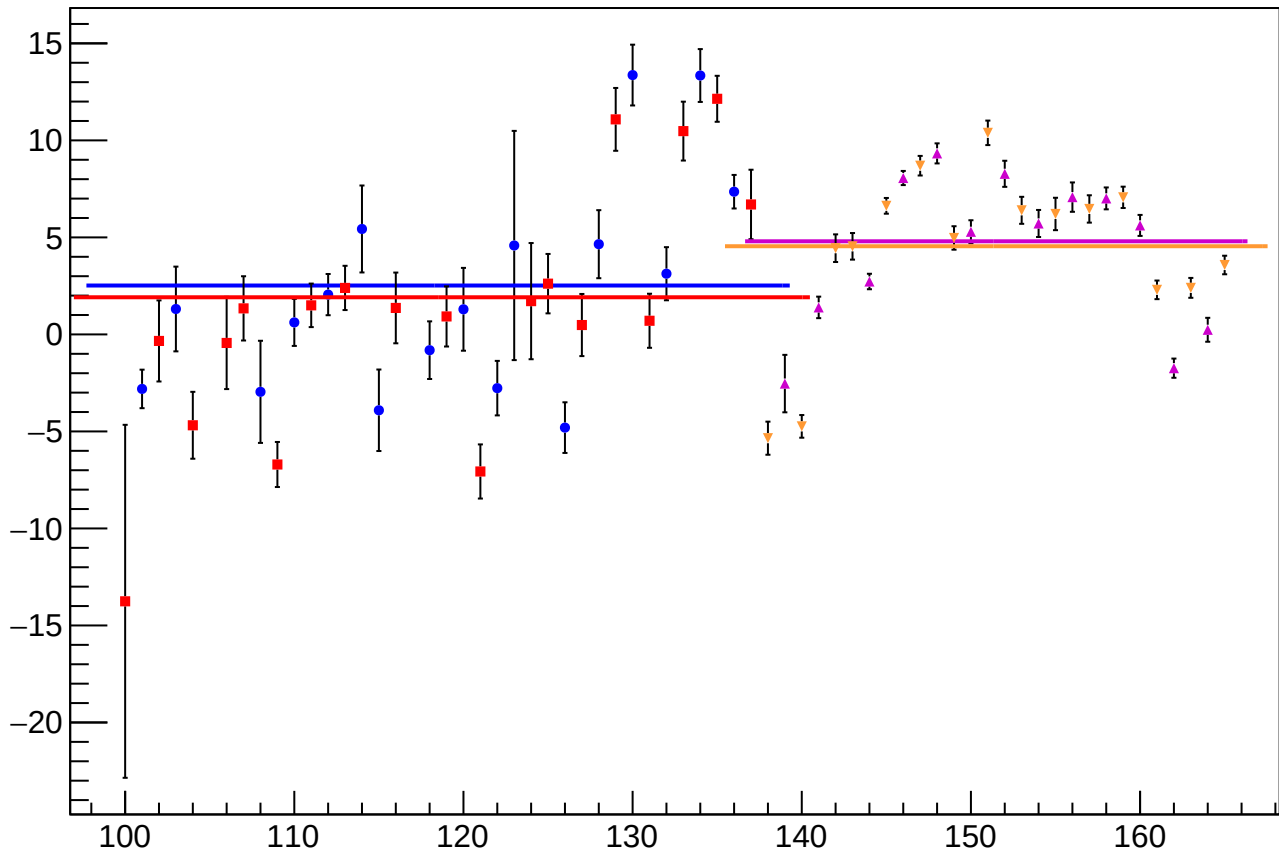
Left In: -60.835 ± 0.183 χ^2/NDF : 2472.7/12

+ sign -60.512 ± 0.170 χ^2/NDF : 3053.3/31

All: -60.487 ± 0.122 χ^2/NDF : 6042.0/63

- sign -60.460 ± 0.173 χ^2/NDF : 2988.7/31

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 4.544 ± 0.149 χ^2/NDF : 650.3/14

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

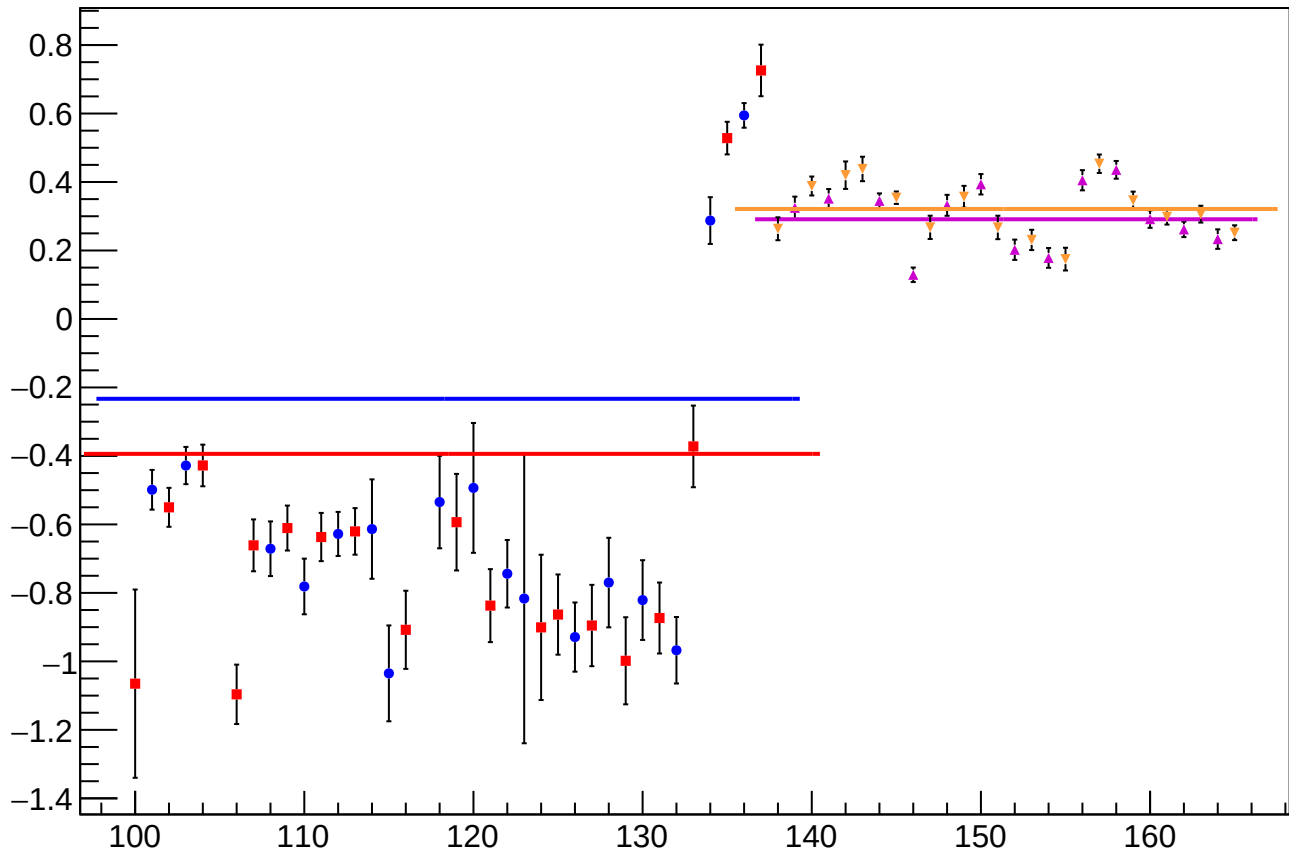
Left In: 4.800 ± 0.152 χ^2/NDF : 531.5/12

+ sign 4.229 ± 0.137 χ^2/NDF : 921.4/31

All: 4.290 ± 0.098 χ^2/NDF : 1773.8/63

- sign 4.354 ± 0.140 χ^2/NDF : 852.0/31

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 $\pm$ 0.019 χ^2 /NDF: 956.8/16

Left Out: 0.321 $\pm$ 0.007 χ^2 /NDF:100.6/14

Right Out: -0.394 $\pm$ 0.019 χ^2 /NDF: 845.2/18

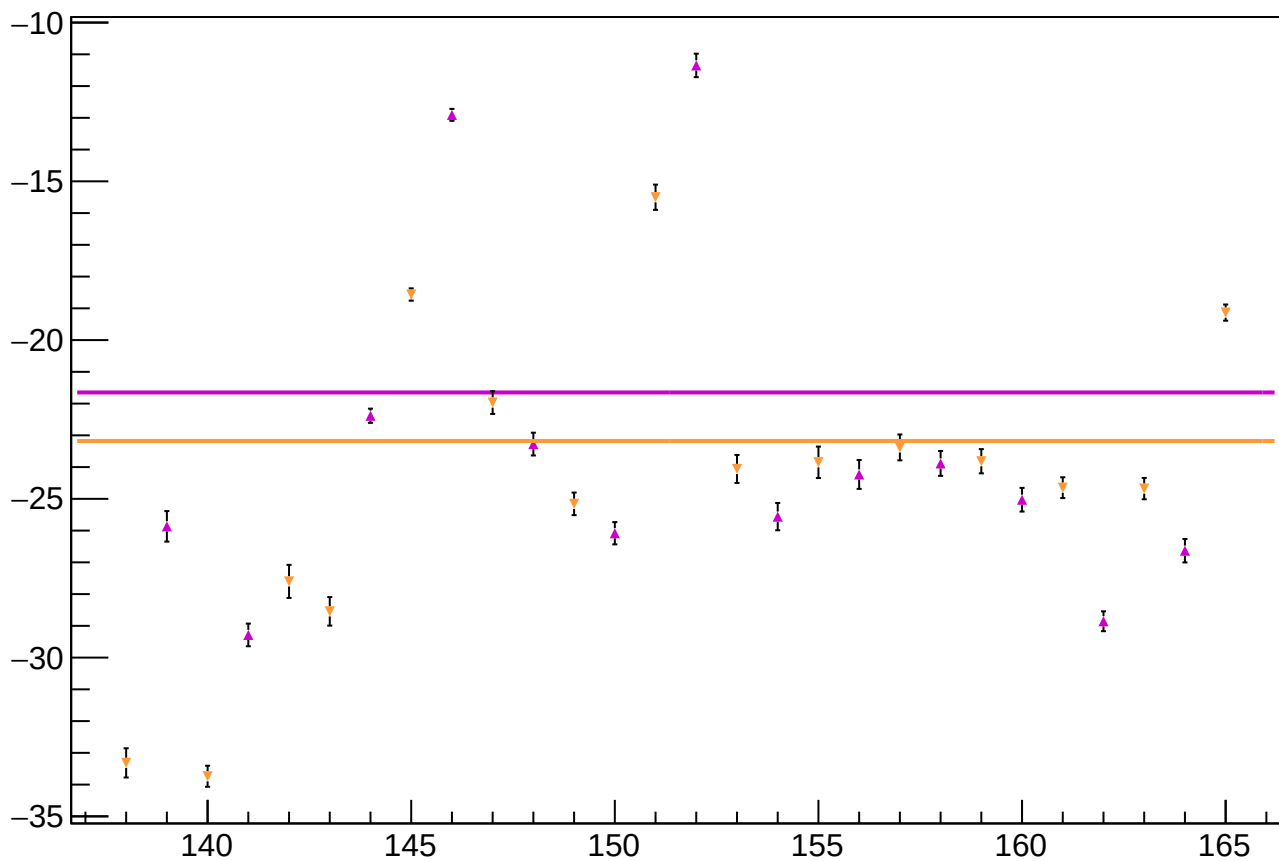
Left In: 0.291 $\pm$ 0.007 χ^2 /NDF:160.2/12

+ sign 0.253 $\pm$ 0.007 χ^2 /NDF: 1811.9/31

All: 0.228 $\pm$ 0.005 χ^2 /NDF: 3978.4/63

- sign 0.202 $\pm$ 0.007 χ^2 /NDF: 2137.3/31

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -23.179 ± 0.089 $\chi^2/\text{NDF}: 2989.0/14$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

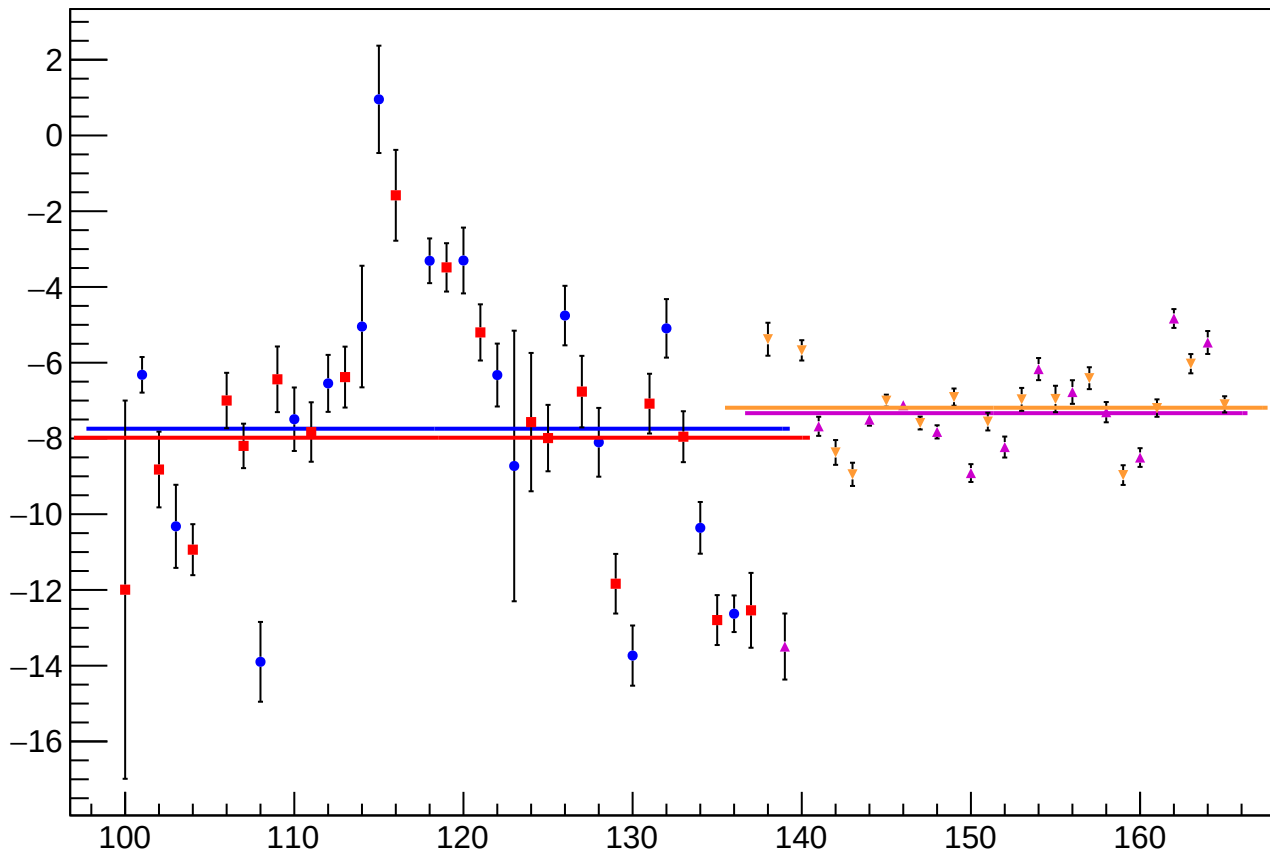
Left In: -21.649 ± 0.089 $\chi^2/\text{NDF}: 4619.4/12$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

All: -22.418 ± 0.063 $\chi^2/\text{NDF}: 7755.8/27$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.189 ± 0.063 χ^2/NDF : 182.2/14

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

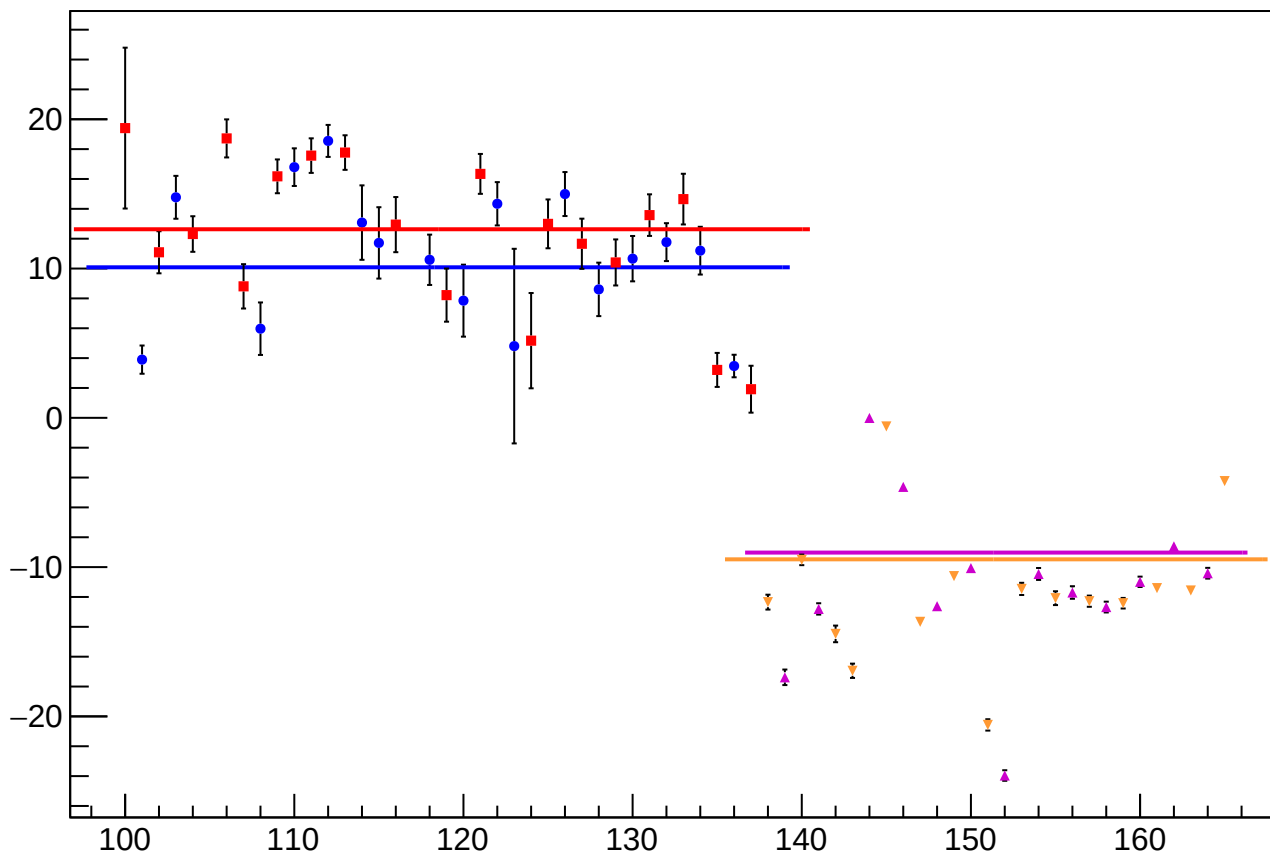
Left In: -7.332 ± 0.061 χ^2/NDF : 300.3/12

+ sign -7.245 ± 0.060 χ^2/NDF : 567.6/31

All: -7.322 ± 0.041 χ^2/NDF : 1105.7/63

- sign -7.395 ± 0.058 χ^2/NDF : 534.8/31

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: -9.479 ± 0.088 $\chi^2/\text{NDF}: 3929.2/14$

Right Out: 12.632 ± 0.333 $\chi^2/\text{NDF}: 218.6/18$

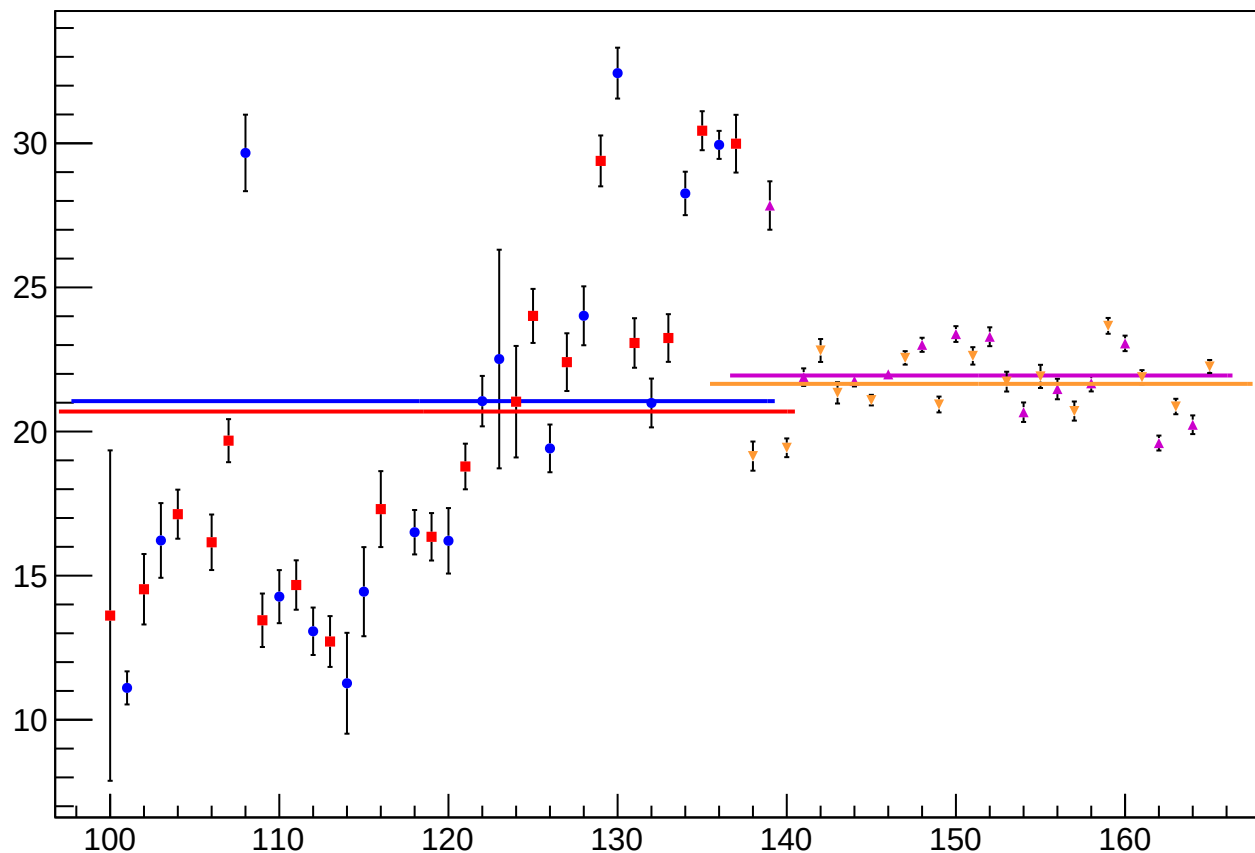
Left In: -9.027 ± 0.087 $\chi^2/\text{NDF}: 4475.0/12$

+ sign -8.237 ± 0.085 $\chi^2/\text{NDF}: 7320.3/31$

All: -7.933 ± 0.060 $\chi^2/\text{NDF}: 16005.5/63$

- sign -7.635 ± 0.084 $\chi^2/\text{NDF}: 8660.0/31$

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: 21.654 $\pm$ 0.073 χ^2 /NDF: 200.7/14

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

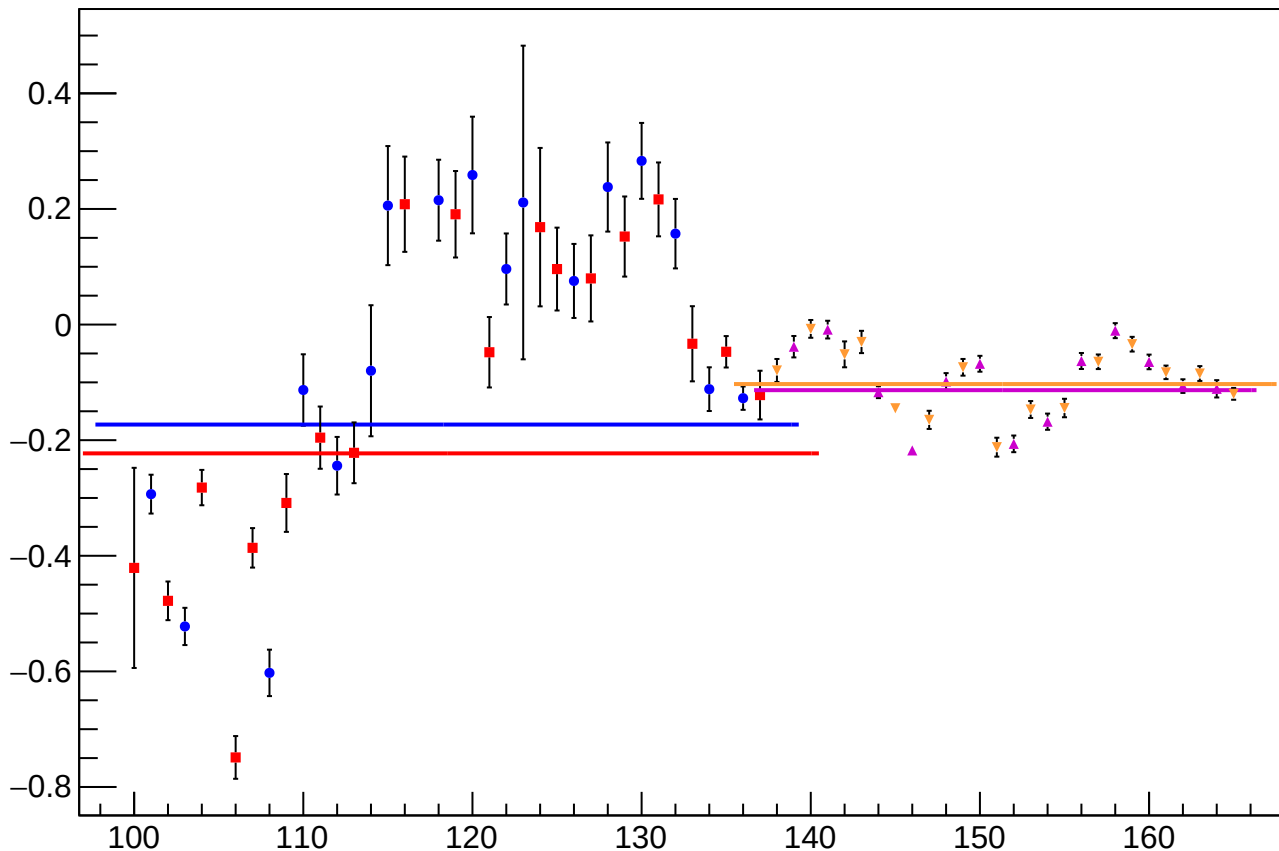
Left In: 21.944 $\pm$ 0.072 χ^2 /NDF: 257.4/12

+ sign 21.589 $\pm$ 0.069 χ^2 /NDF: 1419.6/31

All: 21.704 $\pm$ 0.049 χ^2 /NDF: 2437.6/63

- sign 21.816 $\pm$ 0.068 χ^2 /NDF: 1012.5/31

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.103 ± 0.003 χ^2/NDF : 212.4/14

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

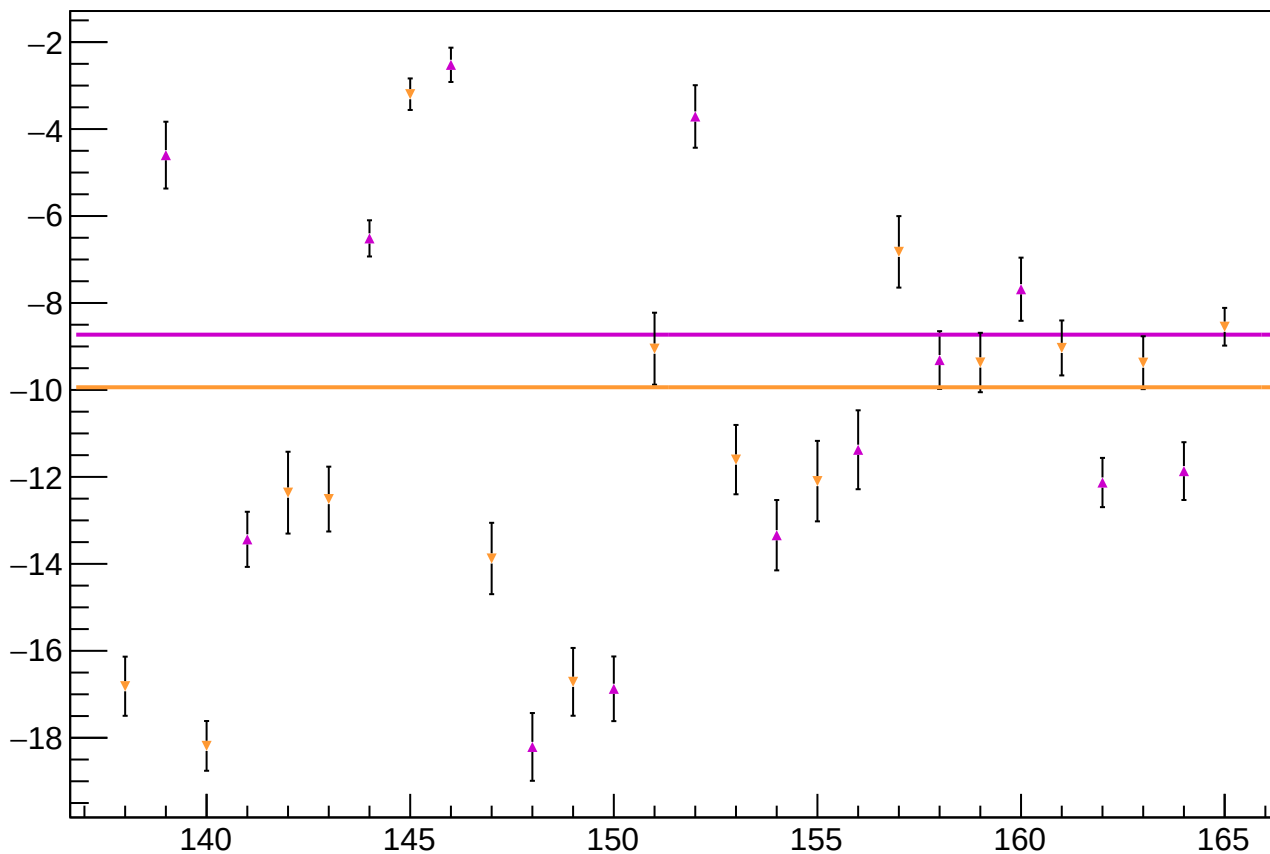
Left In: -0.113 ± 0.004 χ^2/NDF : 375.8/12

+ sign -0.109 ± 0.003 χ^2/NDF : 709.9/31

All: -0.116 ± 0.002 χ^2/NDF : 1720.8/63

- sign -0.124 ± 0.003 χ^2/NDF : 1001.1/31

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.938+/-0.164 χ^2/NDF : 811.7/14

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

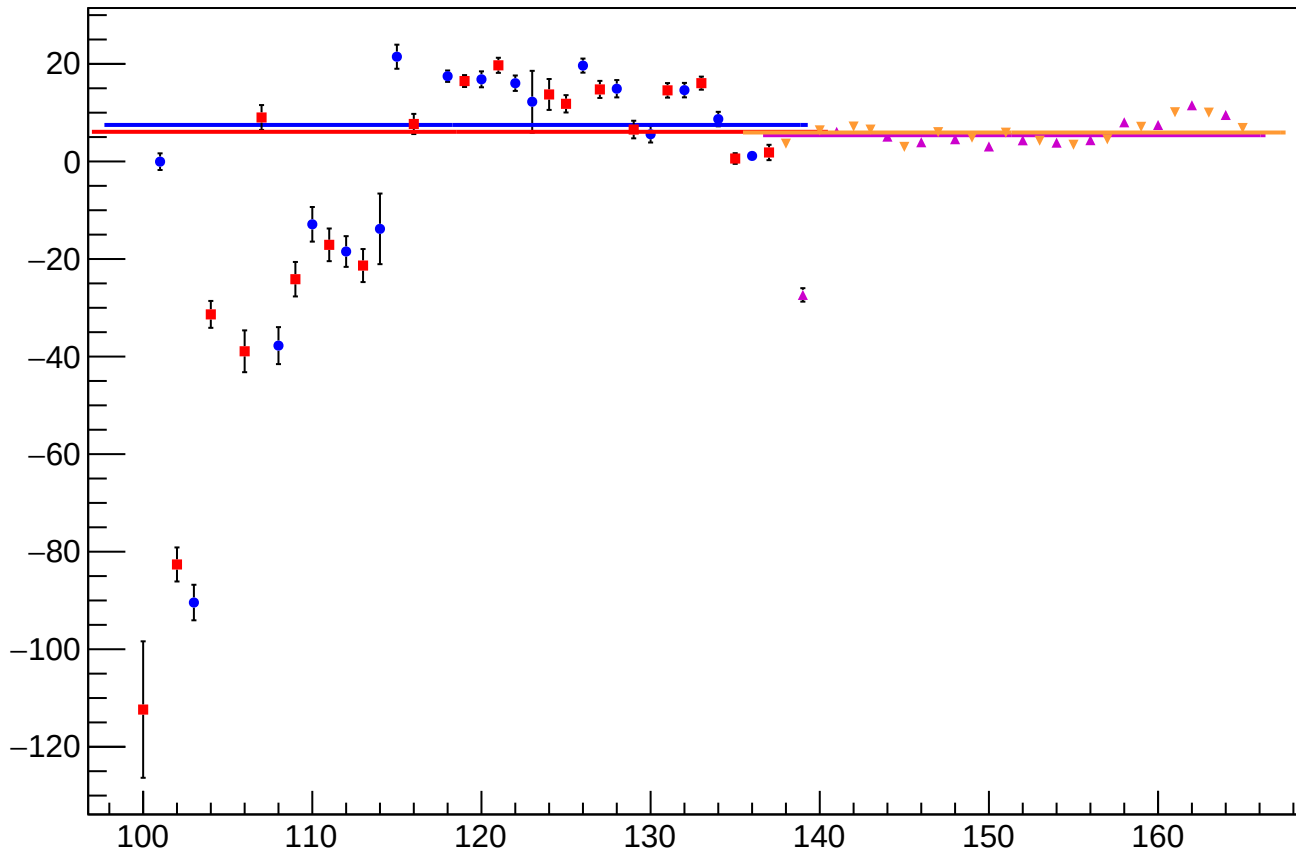
Left In: -8.729+/-0.171 χ^2/NDF : 778.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -9.360+/-0.118 χ^2/NDF : 1616.4/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 5.936 ± 0.118 χ^2/NDF : 337.1/14

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

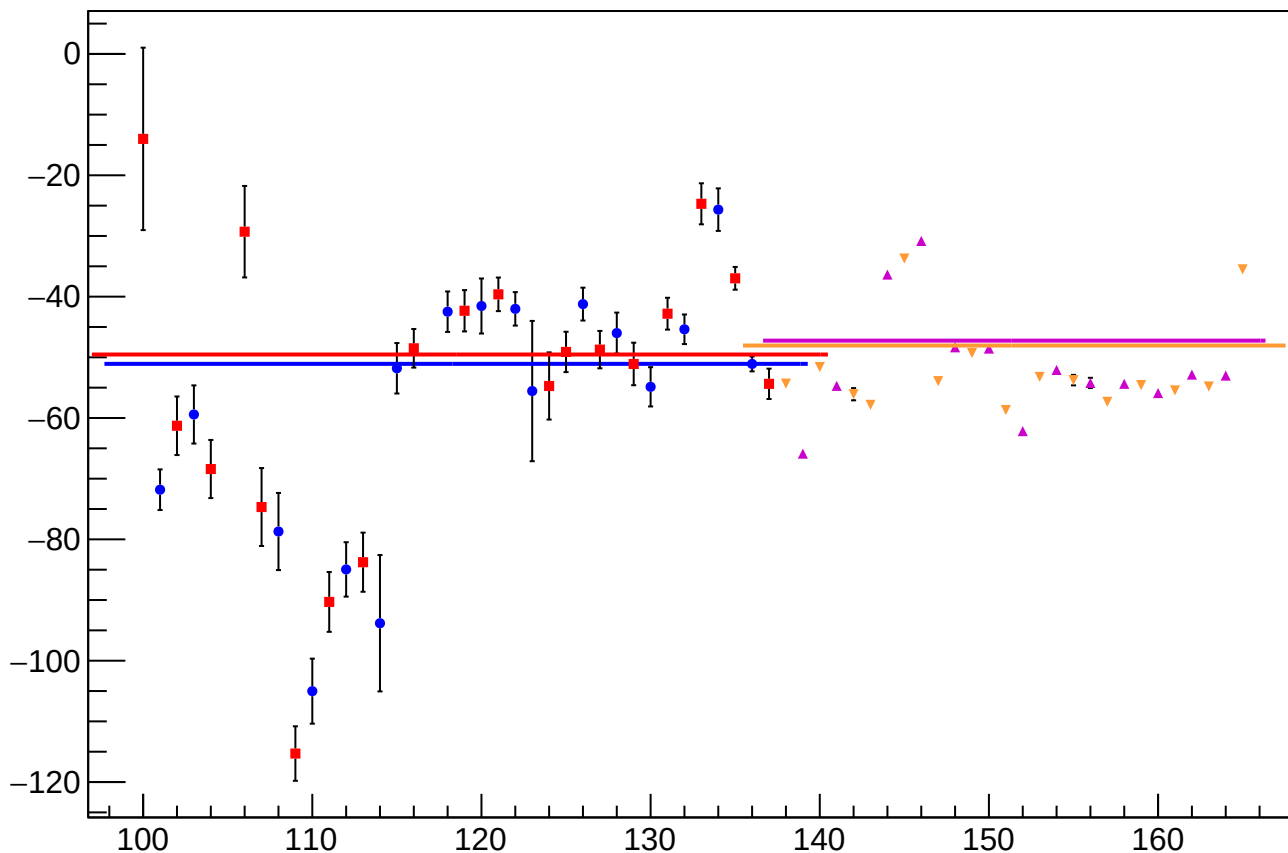
Left In: 5.381 ± 0.119 χ^2/NDF : 933.3/12

+ sign 6.057 ± 0.114 χ^2/NDF : 1691.1/31

All: 5.747 ± 0.081 χ^2/NDF : 4153.9/63

- sign 5.430 ± 0.115 χ^2/NDF : 2447.7/31

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -48.057 ± 0.164 χ^2/NDF : 3411.5/14

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

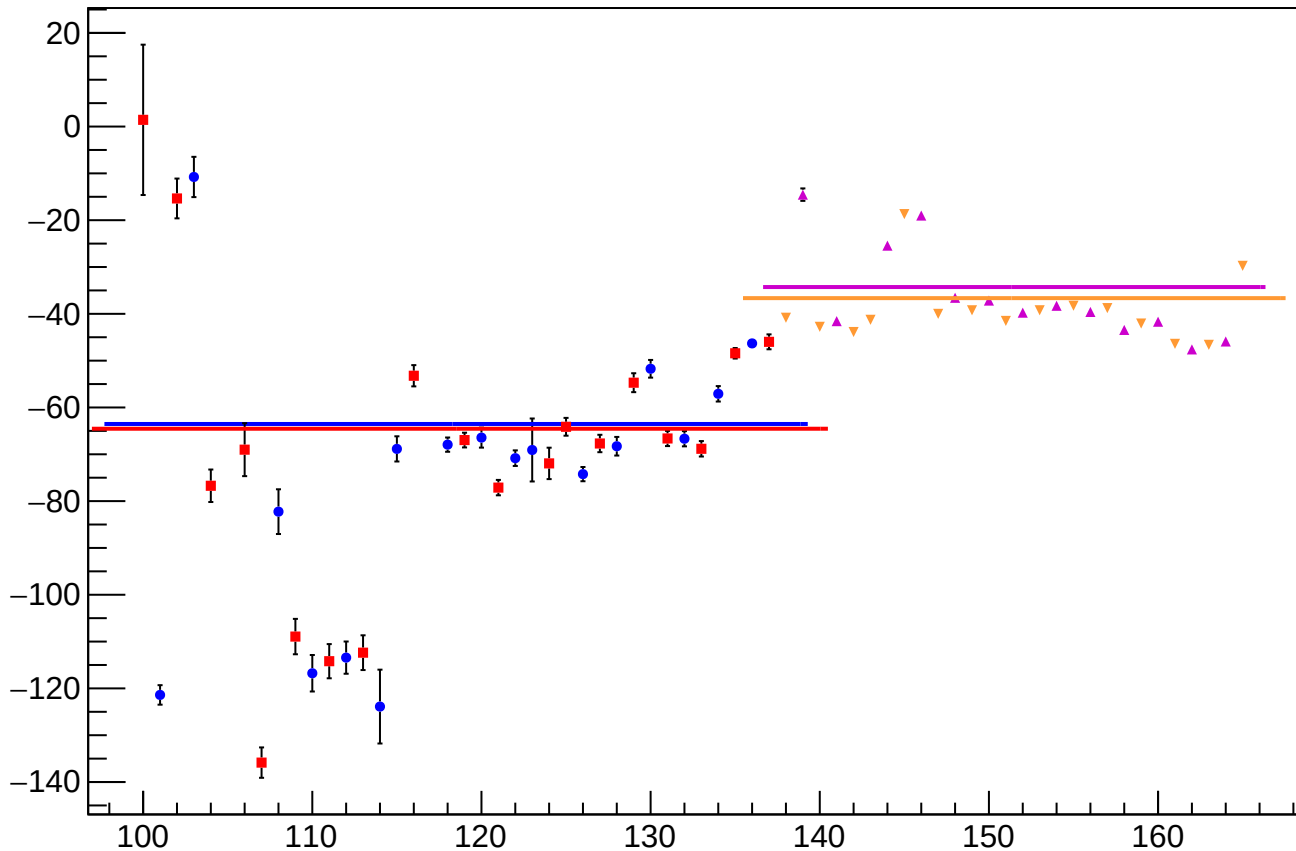
Left In: -47.247 ± 0.168 χ^2/NDF : 4158.0/12

+ sign -48.197 ± 0.160 χ^2/NDF : 3757.6/31

All: -47.783 ± 0.115 χ^2/NDF : 8446.9/63

- sign -47.344 ± 0.164 χ^2/NDF : 4675.4/31

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 $\pm$ 0.449 χ^2 /NDF: 2010.9/16

Left Out: -36.647 $\pm$ 0.137 χ^2 /NDF: 4636.8/14

Right Out: -64.540 $\pm$ 0.483 χ^2 /NDF: 1603.1/18

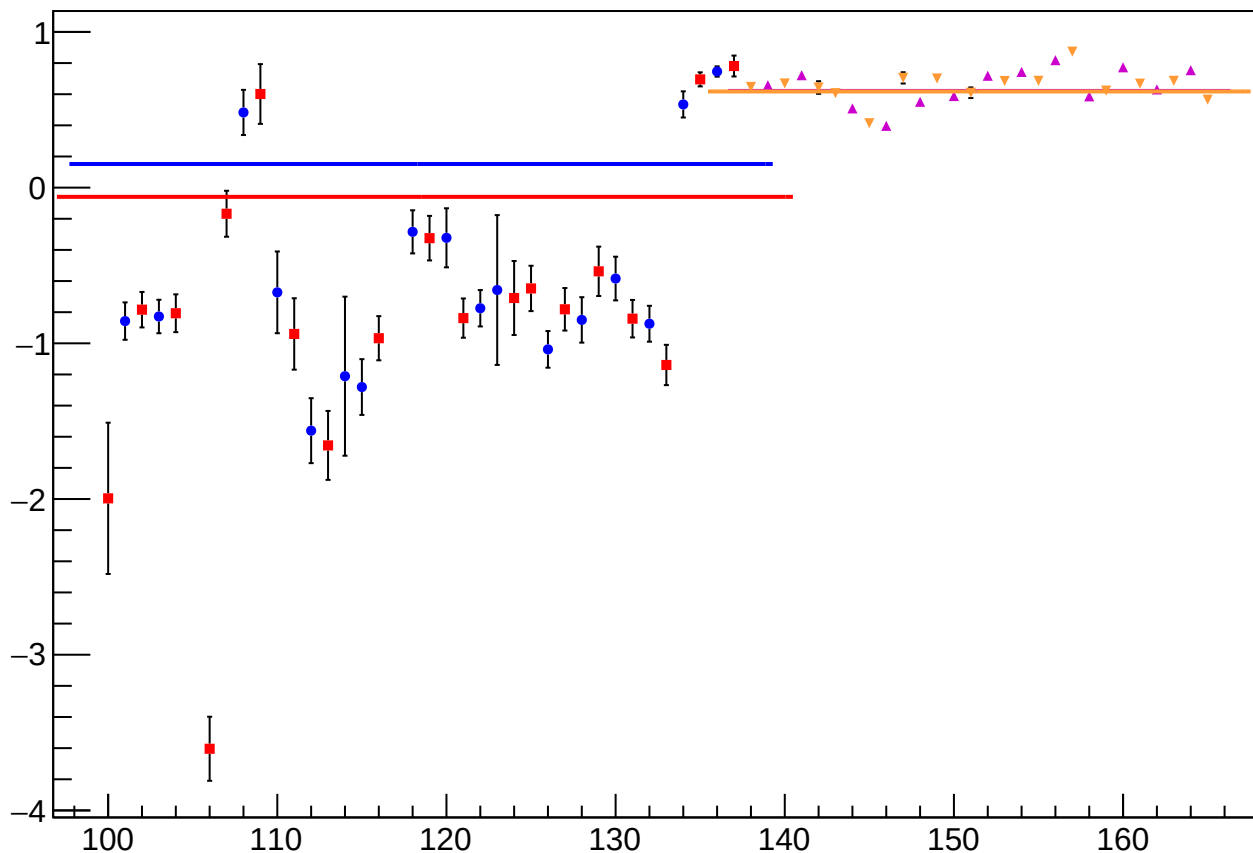
Left In: -34.278 $\pm$ 0.140 χ^2 /NDF: 5360.7/12

+ sign -38.933 $\pm$ 0.131 χ^2 /NDF: 9931.2/31

All: -37.810 $\pm$ 0.094 χ^2 /NDF: 20668.2/63

- sign -36.624 $\pm$ 0.134 χ^2 /NDF: 10585.5/31

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.618 ± 0.006 χ^2/NDF : 333.3/14

Right Out: -0.059 ± 0.026 χ^2/NDF : 1161.9/18

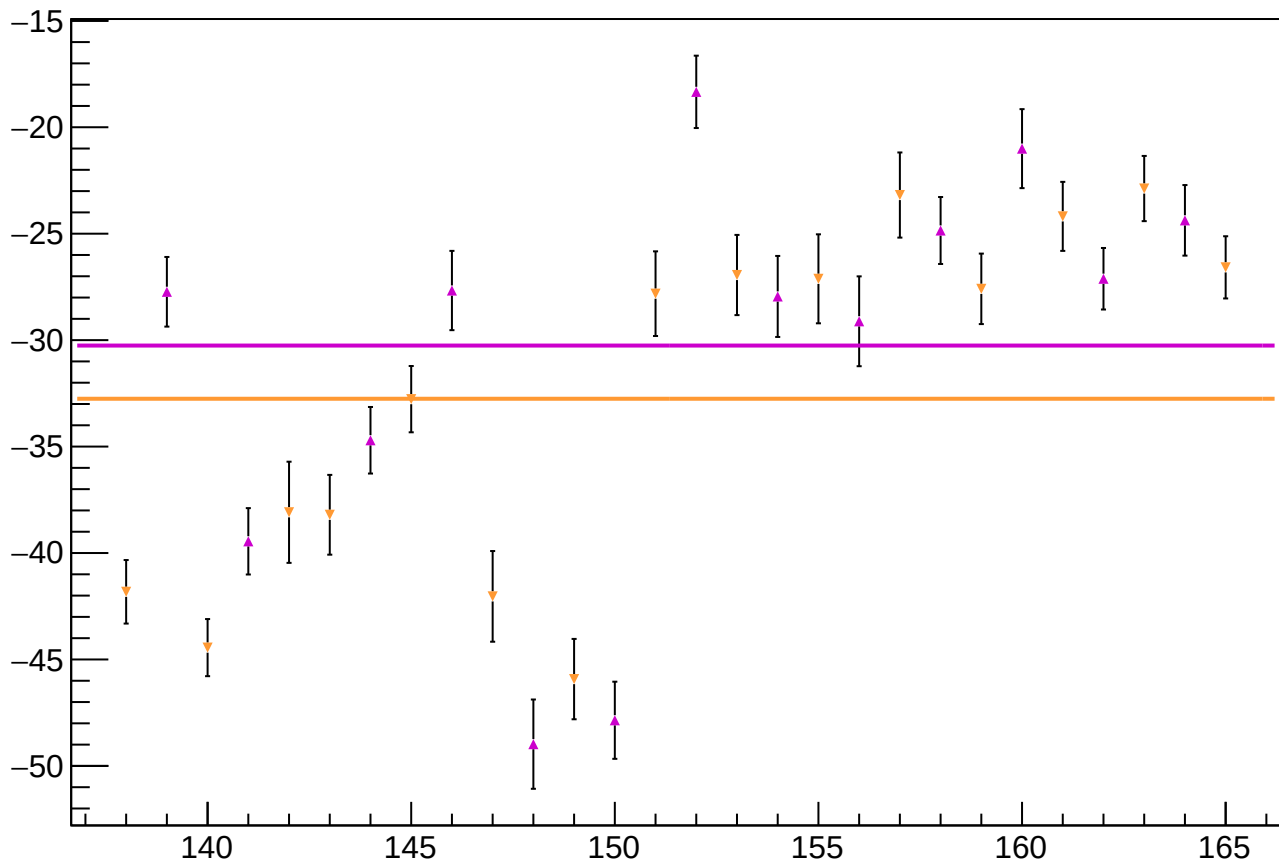
Left In: 0.621 ± 0.007 χ^2/NDF : 362.3/12

+ sign 0.587 ± 0.006 χ^2/NDF : 1671.5/31

All: 0.583 ± 0.005 χ^2/NDF : 3824.1/63

- sign 0.579 ± 0.007 χ^2/NDF : 2151.8/31

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.754+/-0.446 χ^2/NDF : 336.9/14

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

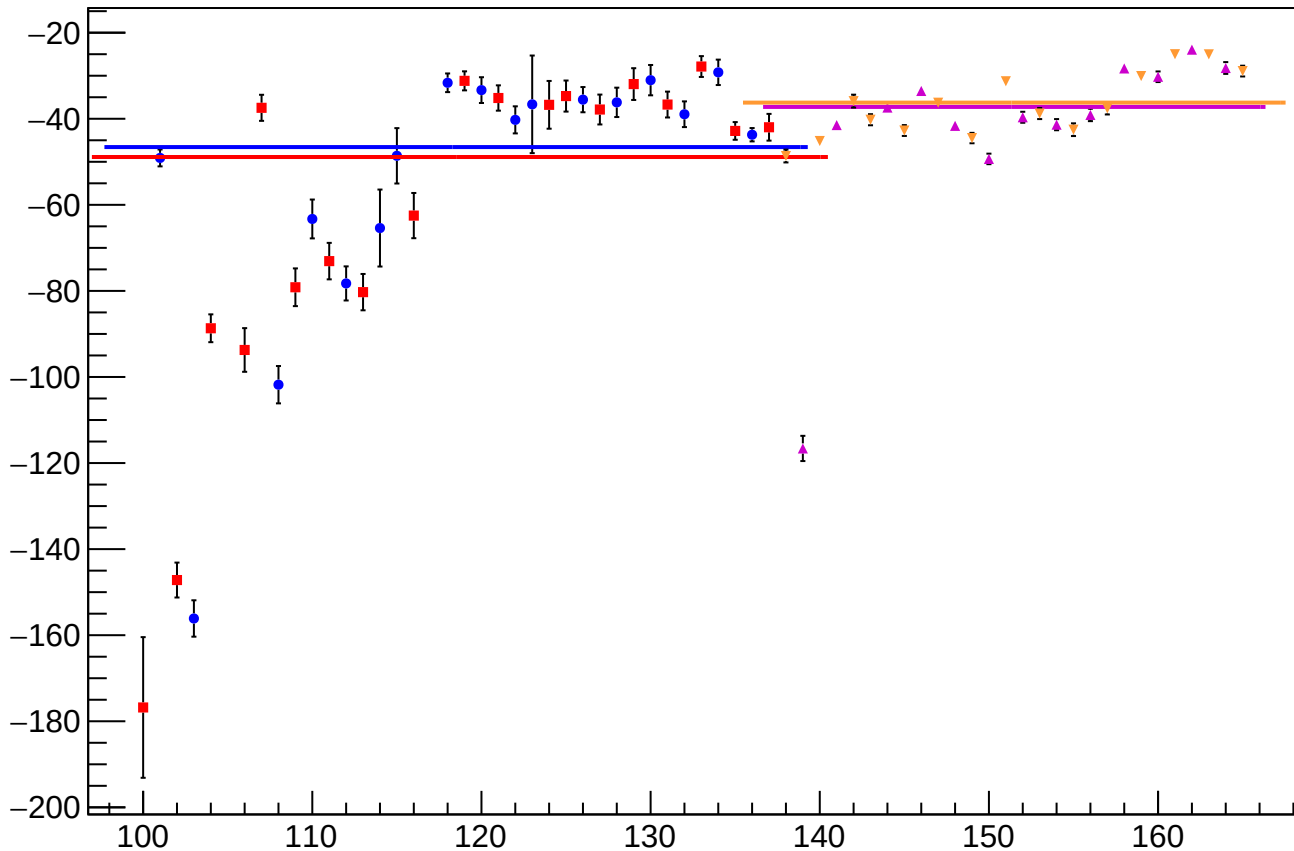
Left In: -30.255+/-0.477 χ^2/NDF : 326.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.588+/-0.326 χ^2/NDF : 677.8/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 $\pm$ 0.730 χ^2 /NDF: 1076.4/16

Left Out: -36.246 $\pm$ 0.319 χ^2 /NDF: 513.5/14

Right Out: -48.888 $\pm$ 0.763 χ^2 /NDF: 1277.5/18

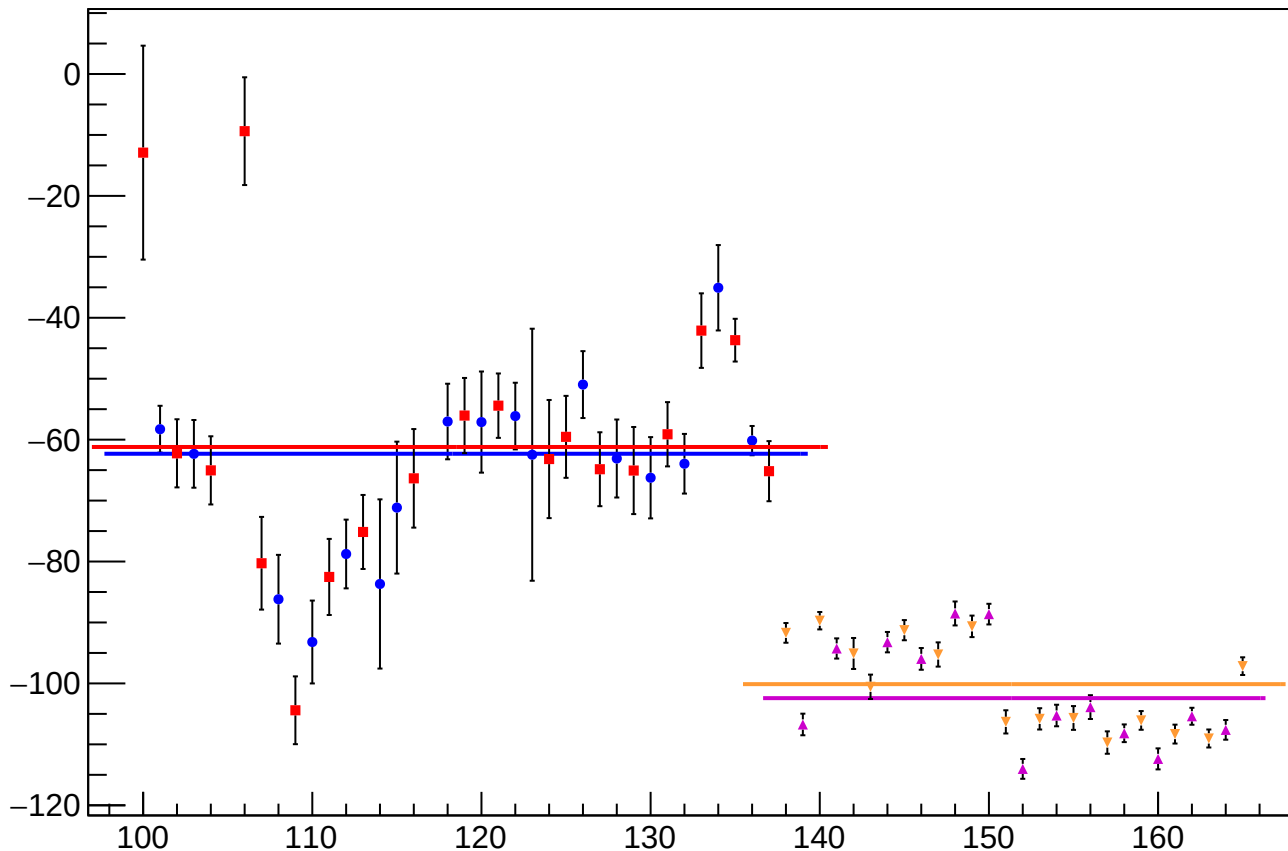
Left In: -37.250 $\pm$ 0.341 χ^2 /NDF: 1165.8/12

+ sign -37.905 $\pm$ 0.292 χ^2 /NDF: 1758.2/31

All: -38.506 $\pm$ 0.213 χ^2 /NDF: 4404.3/63

- sign -39.187 $\pm$ 0.311 χ^2 /NDF: 2637.0/31

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -100.119 ± 0.441 χ^2/NDF : 287.6/14

Right Out: -61.203 ± 1.381 χ^2/NDF : 165.0/18

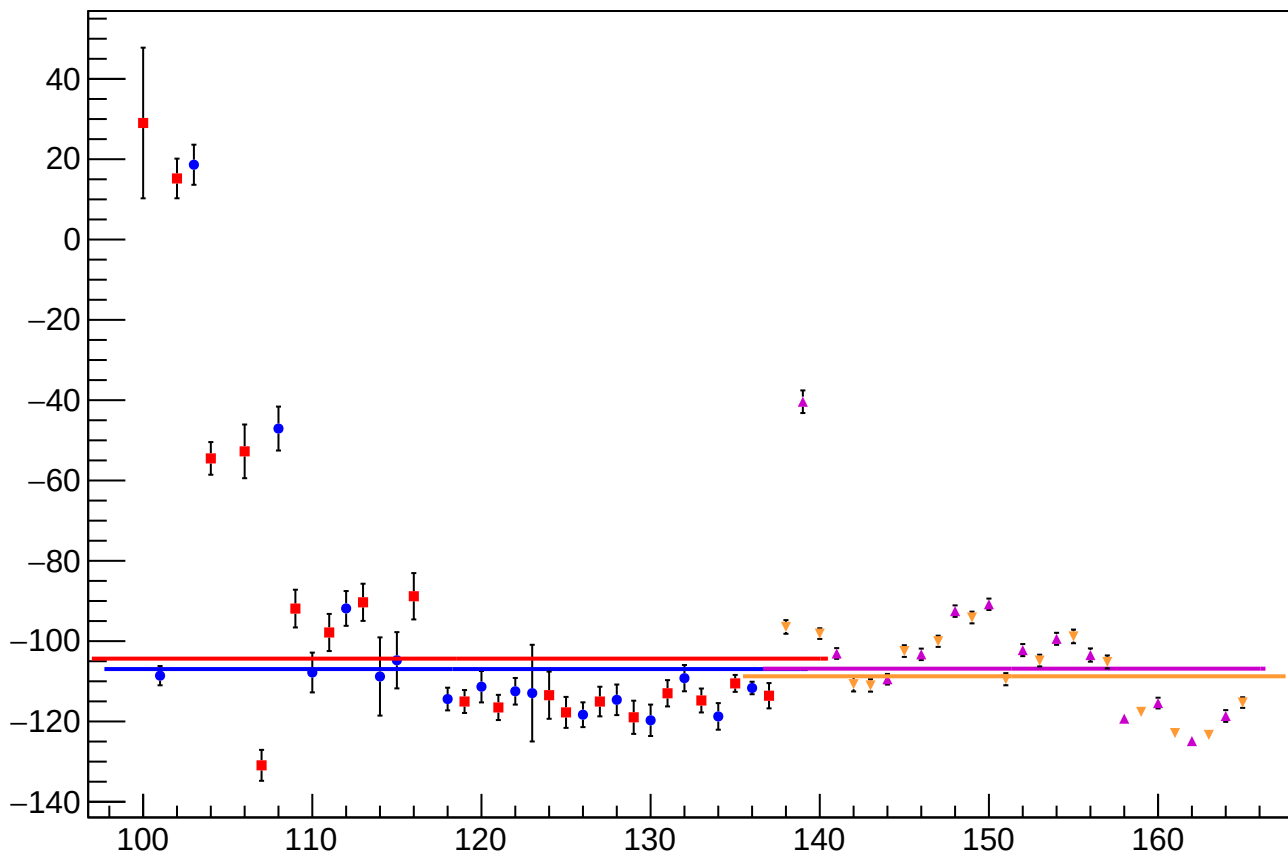
Left In: -102.417 ± 0.465 χ^2/NDF : 307.7/12

+ sign -96.306 ± 0.418 χ^2/NDF : 1097.2/31

All: -97.215 ± 0.303 χ^2/NDF : 2380.0/63

- sign -98.225 ± 0.440 χ^2/NDF : 1272.8/31

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -108.753 ± 0.369 χ^2/NDF : 681.3/14

Right Out: -104.356 ± 0.861 χ^2/NDF : 1021.0/18

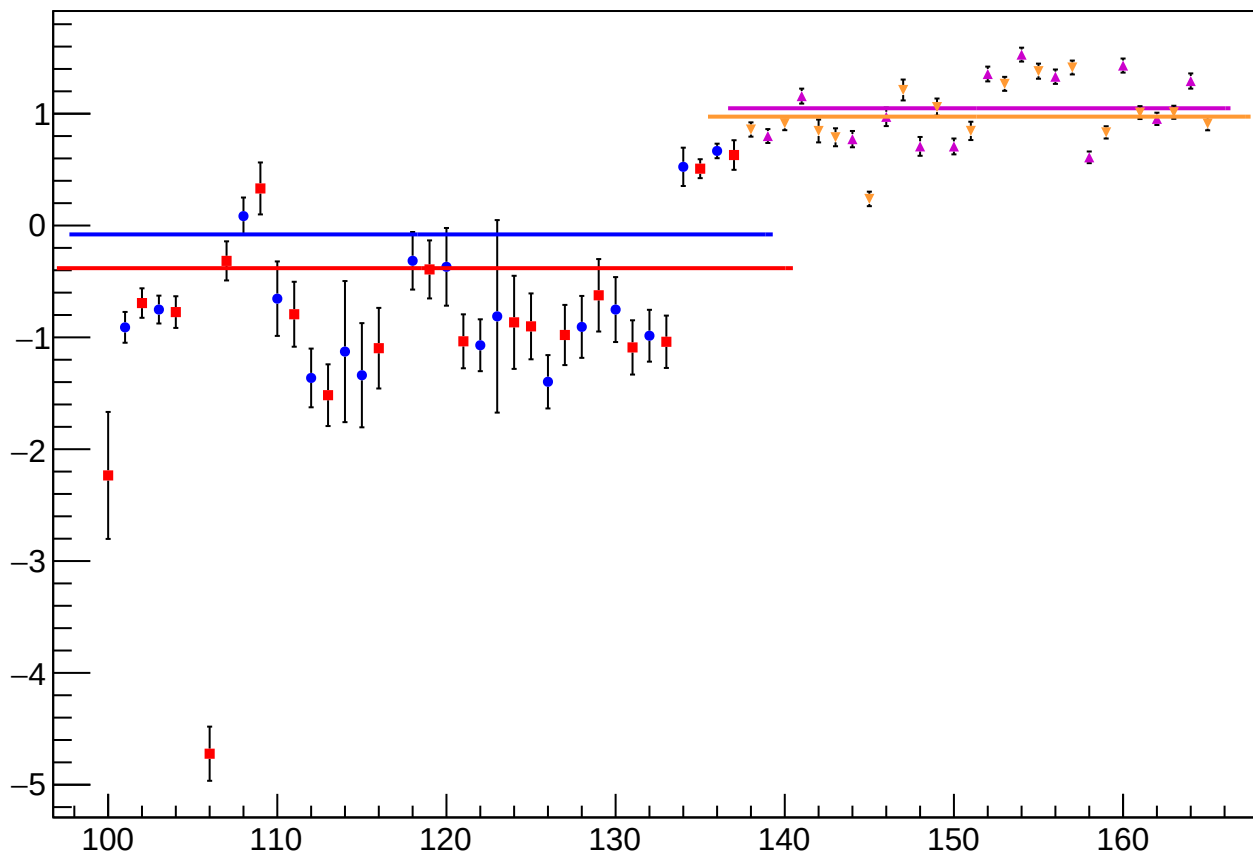
Left In: -106.856 ± 0.393 χ^2/NDF : 1289.1/12

+ sign -108.448 ± 0.337 χ^2/NDF : 1512.6/31

All: -107.498 ± 0.245 χ^2/NDF : 3846.6/63

- sign -106.424 ± 0.358 χ^2/NDF : 2317.0/31

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.974 ± 0.017 χ^2/NDF : 266.6/14

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

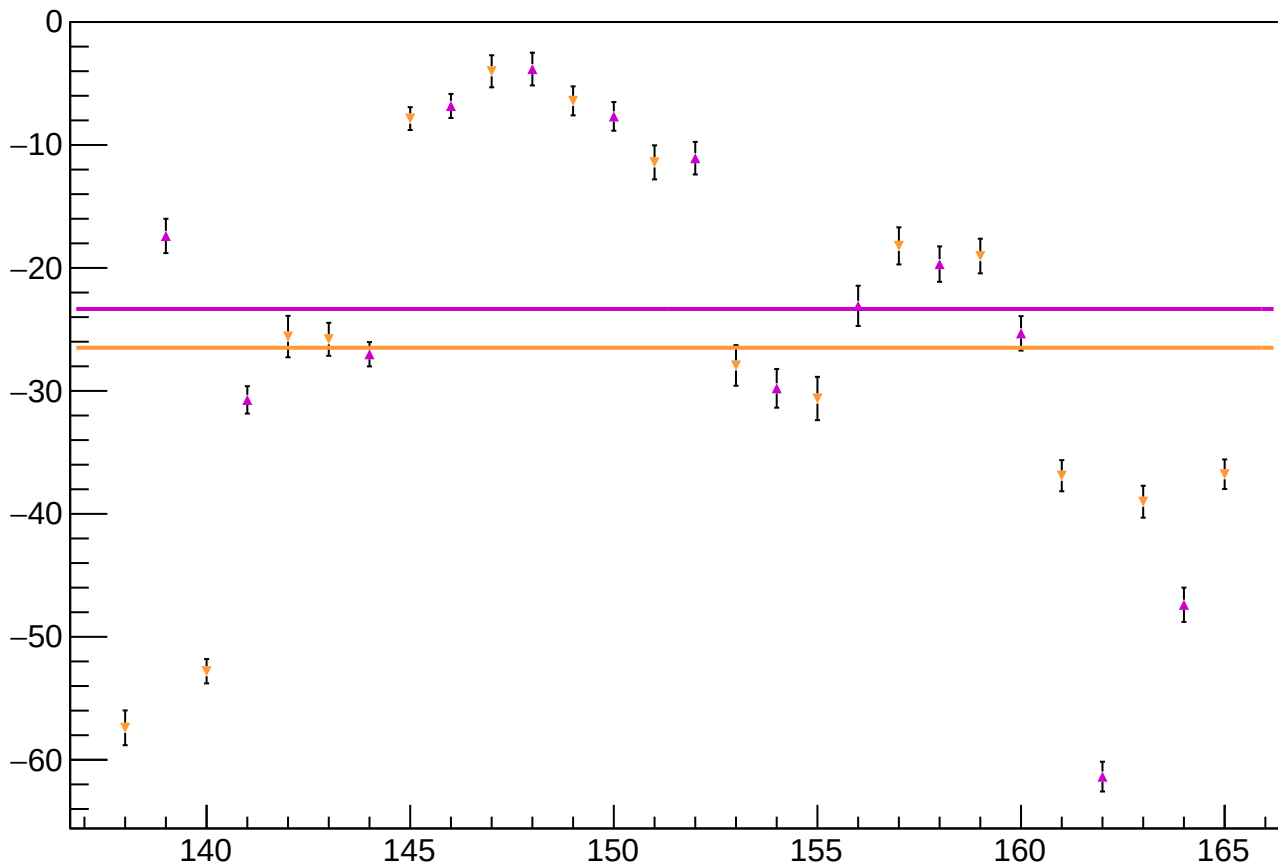
Left In: 1.049 ± 0.018 χ^2/NDF : 296.9/12

+ sign 0.823 ± 0.016 χ^2/NDF : 1127.2/31

All: 0.832 ± 0.012 χ^2/NDF : 2908.0/63

- sign 0.842 ± 0.017 χ^2/NDF : 1780.1/31

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -26.490+/-0.334 χ^2/NDF :2588.6/14

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

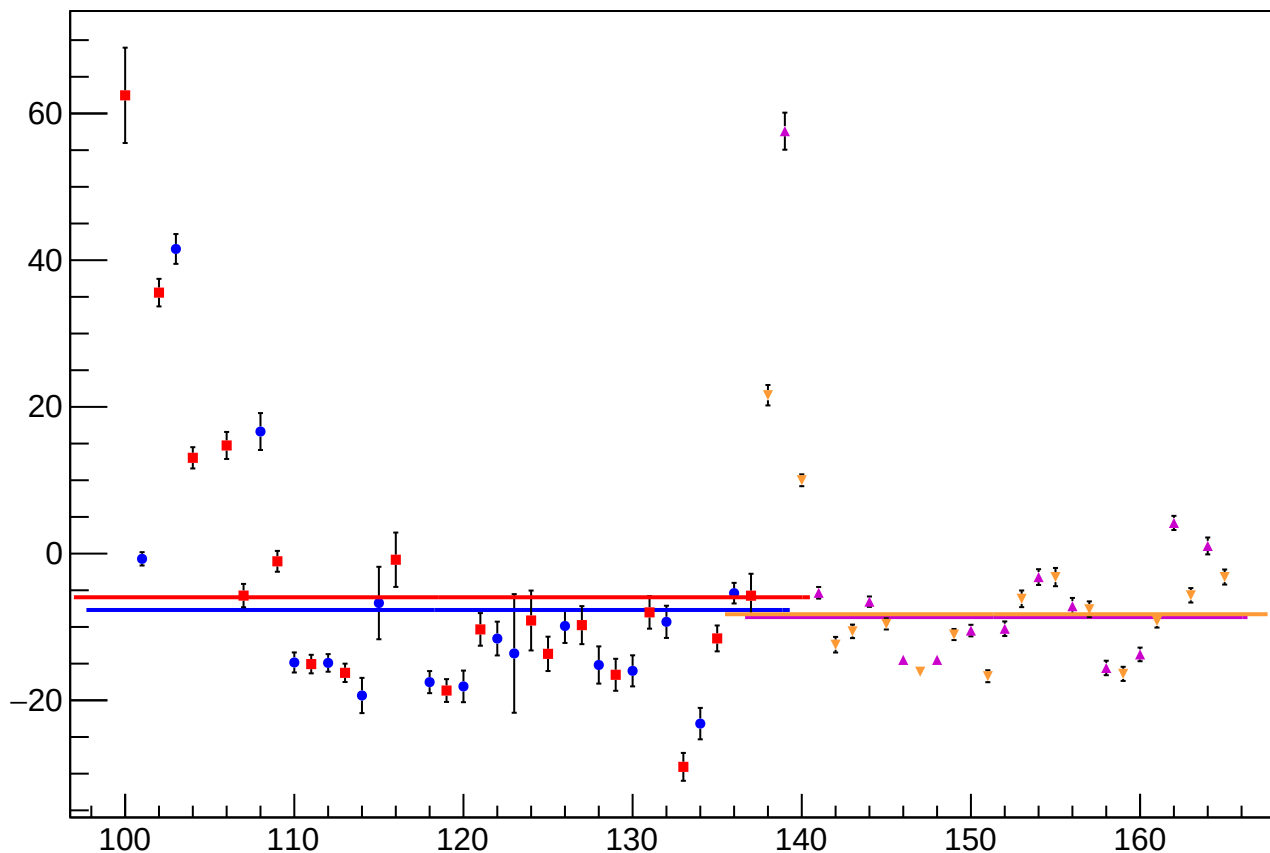
Left In: -23.337+/-0.349 χ^2/NDF :2149.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -24.981+/-0.241 χ^2/NDF : 4780.2/27

- 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: -8.266 ± 0.234 χ^2/NDF : 1396.4/14

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

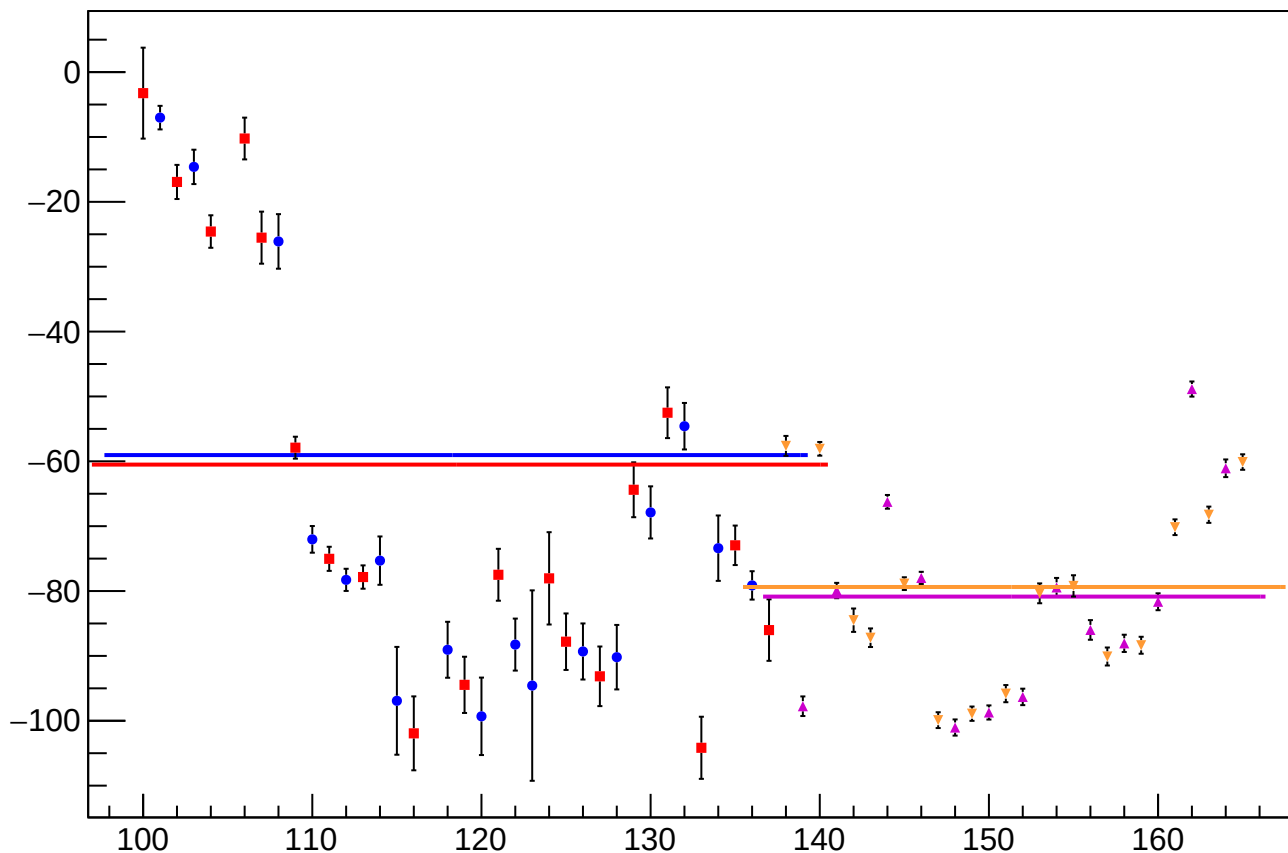
Left In: -8.654 ± 0.242 χ^2/NDF : 1246.1/12

+ sign -8.133 ± 0.206 χ^2/NDF : 2373.8/31

All: -8.069 ± 0.147 χ^2/NDF : 4948.3/63

- sign -8.001 ± 0.211 χ^2/NDF : 2574.3/31

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -79.374 ± 0.331 χ^2/NDF : 1902.7/14

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

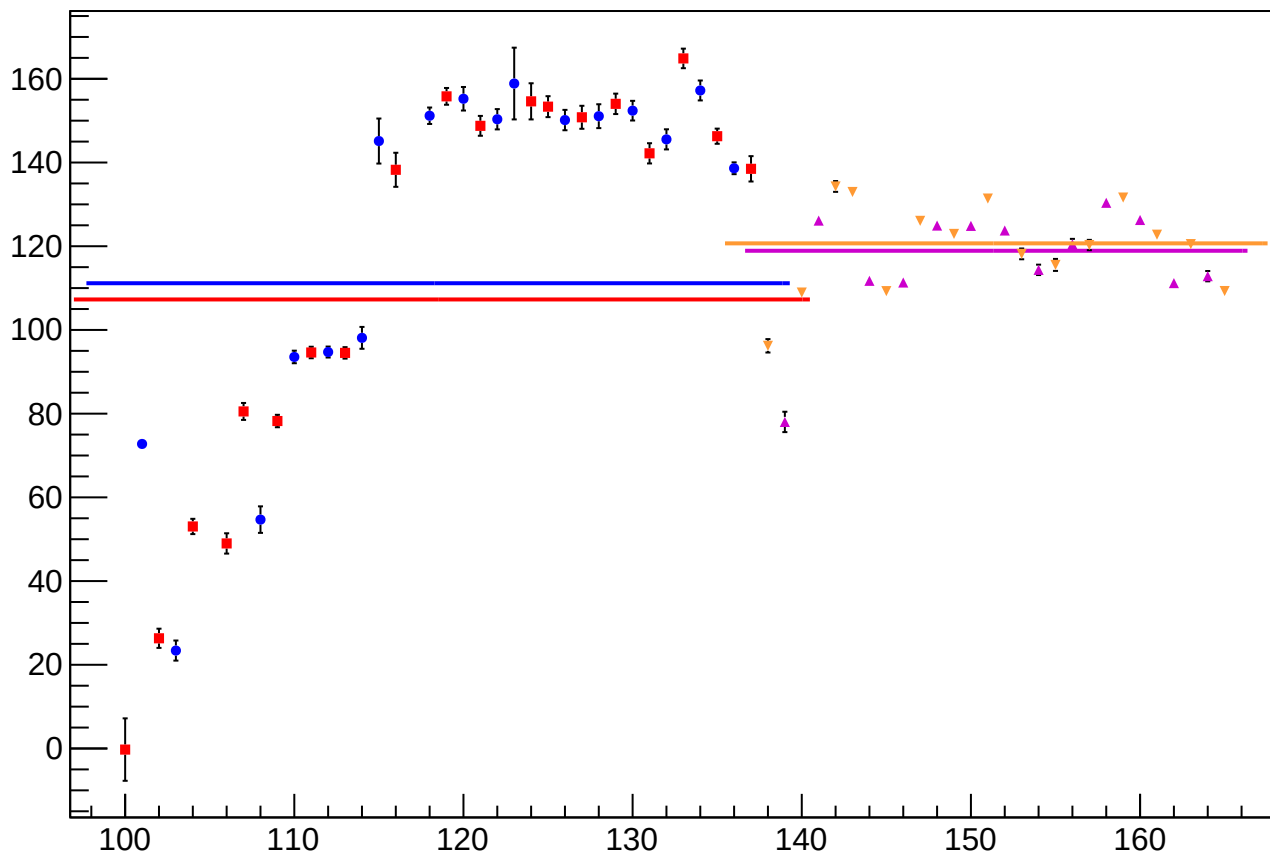
Left In: -80.857 ± 0.341 χ^2/NDF : 2009.9/12

+ sign -76.031 ± 0.302 χ^2/NDF : 4233.7/31

All: -76.507 ± 0.215 χ^2/NDF : 8309.7/63

- sign -76.997 ± 0.307 χ^2/NDF : 4071.0/31

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: 120.685 $\pm$ 0.275 χ^2 /NDF: 1179.1/14

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

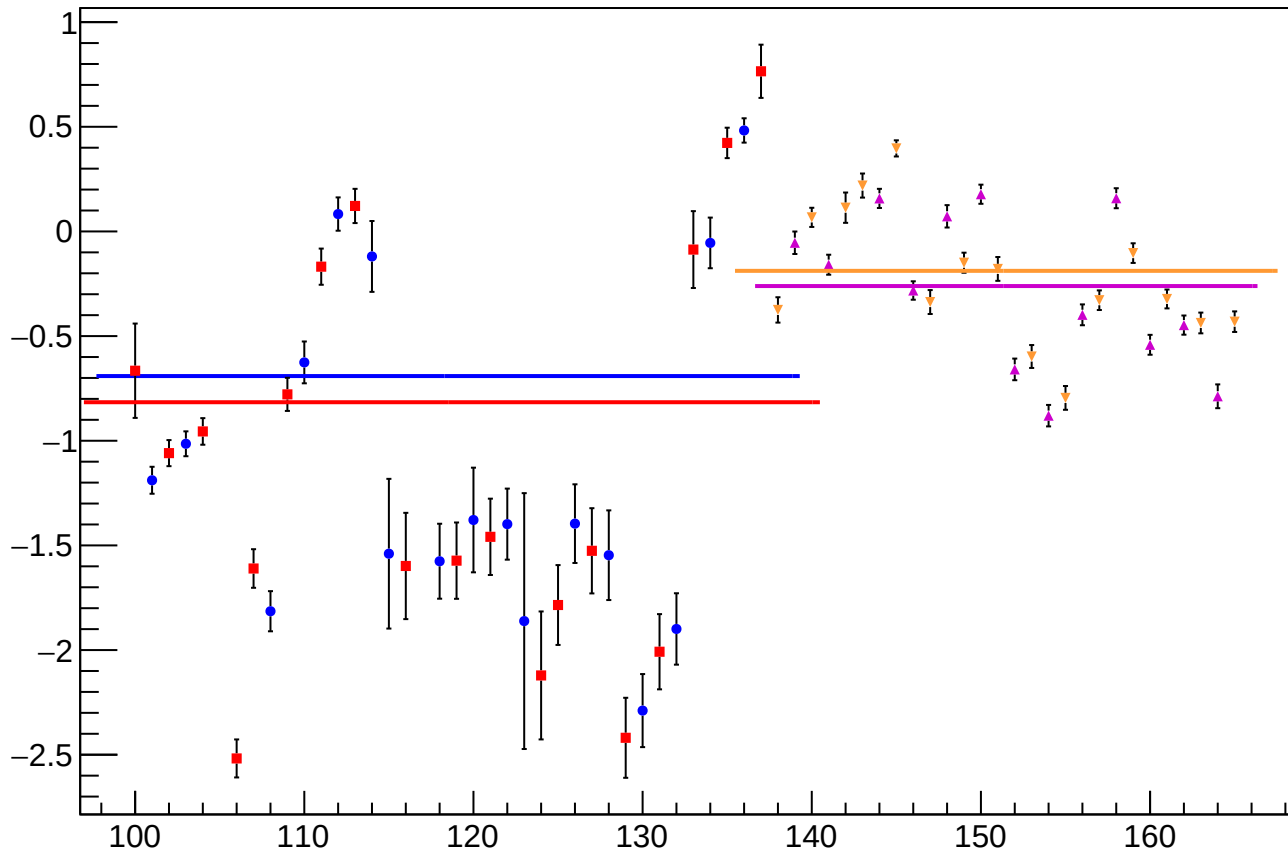
Left In: 118.917 $\pm$ 0.285 χ^2 /NDF: 886.2/12

+ sign 118.398 $\pm$ 0.240 χ^2 /NDF: 7345.0/31

All: 117.210 $\pm$ 0.172 χ^2 /NDF: 15761.2/63

- sign 115.959 $\pm$ 0.246 χ^2 /NDF: 8365.7/31

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 $\pm$ 0.026 χ^2/NDF : 990.9/16

Left Out: -0.188 $\pm$ 0.013 χ^2/NDF : 586.1/14

Right Out: -0.816 $\pm$ 0.024 χ^2/NDF : 1304.4/18

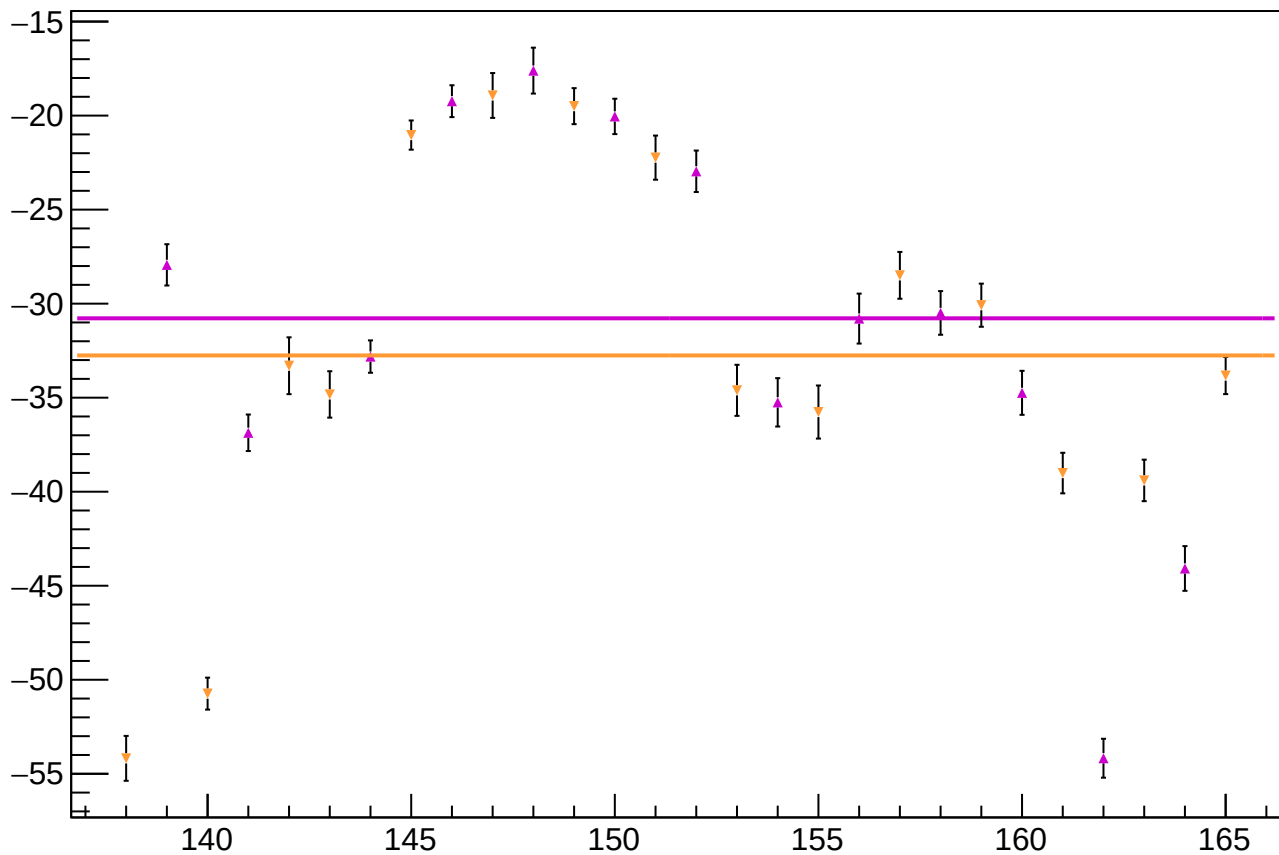
Left In: -0.261 $\pm$ 0.014 χ^2/NDF : 661.7/12

+ sign -0.291 $\pm$ 0.012 χ^2/NDF : 1878.5/31

All: -0.341 $\pm$ 0.008 χ^2/NDF : 4277.7/63

- sign -0.392 $\pm$ 0.012 χ^2/NDF : 2362.2/31

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.754 +/- 0.283 χ^2/NDF : 1501.2/14

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

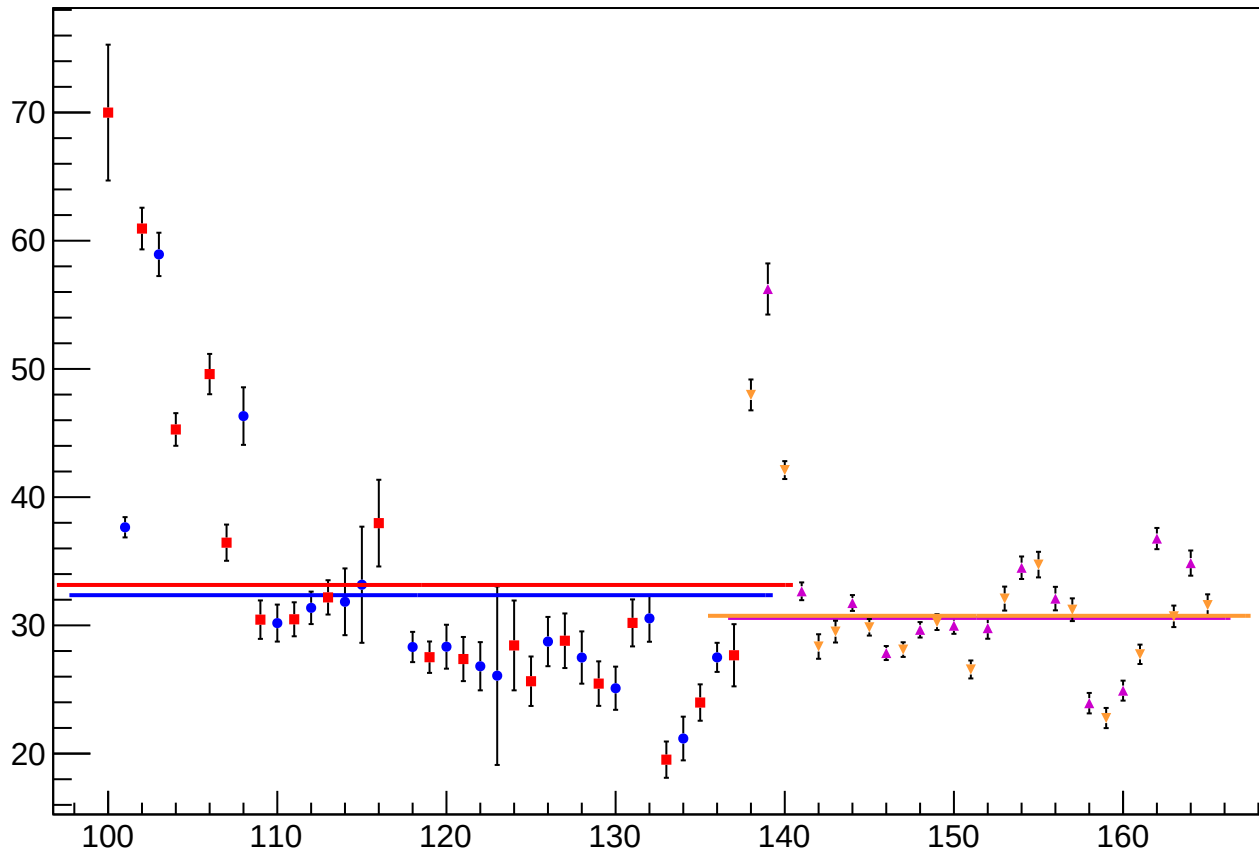
Left In: -30.781 +/- 0.294 χ^2/NDF : 1194.2/12

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -31.807 +/- 0.204 χ^2/NDF : 2718.8/27

- 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 $\pm$ 0.375 χ^2 /NDF: 450.5/16

Left Out: 30.746 $\pm$ 0.200 χ^2 /NDF: 676.0/14

Right Out: 33.152 $\pm$ 0.379 χ^2 /NDF: 772.0/18

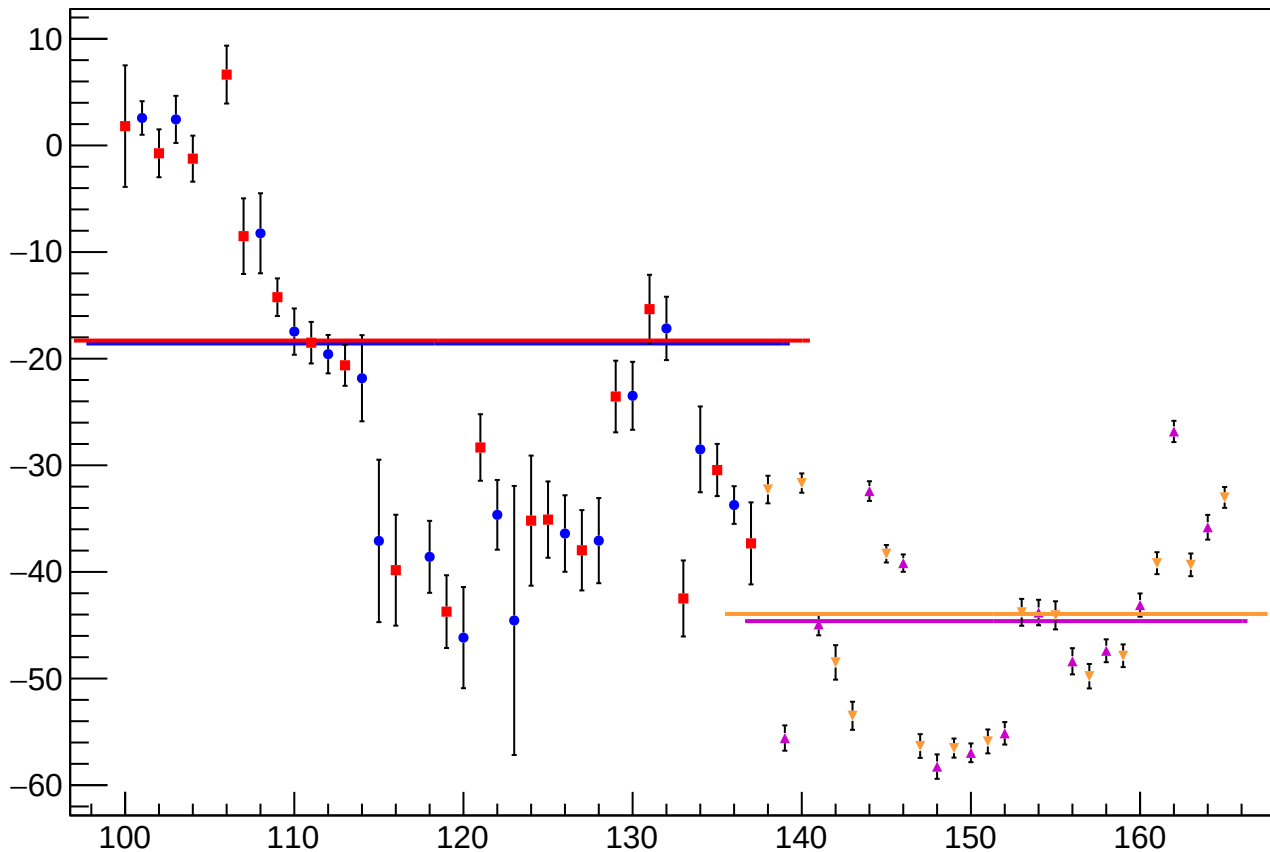
Left In: 30.581 $\pm$ 0.208 χ^2 /NDF: 427.5/12

+ sign 31.102 $\pm$ 0.177 χ^2 /NDF: 1140.8/31

All: 31.137 $\pm$ 0.127 χ^2 /NDF: 2375.8/63

- sign 31.175 $\pm$ 0.182 χ^2 /NDF: 1234.9/31

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -43.943 ± 0.279 χ^2/NDF : 1012.0/14

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

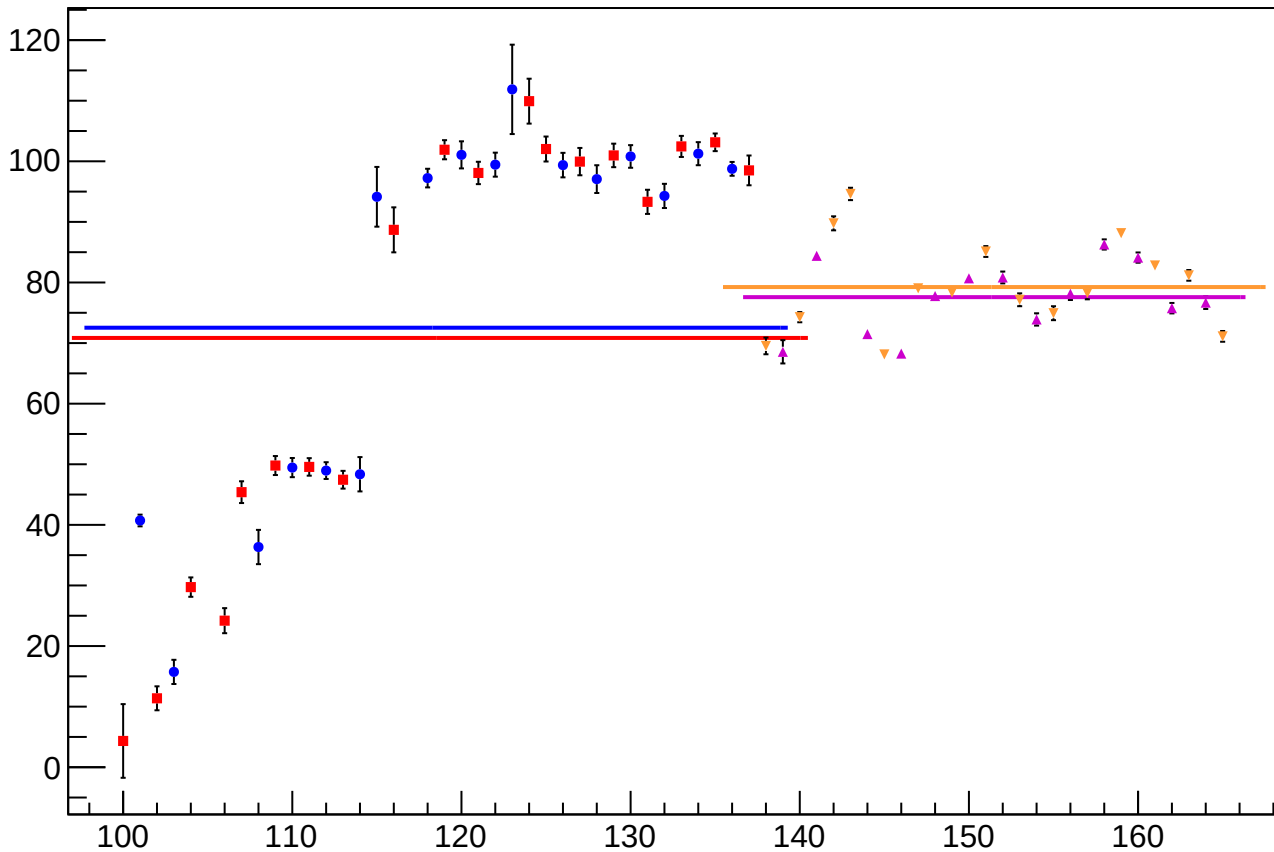
Left In: -44.612 ± 0.287 χ^2/NDF : 1138.6/12

+ sign -40.166 ± 0.258 χ^2/NDF : 2753.2/31

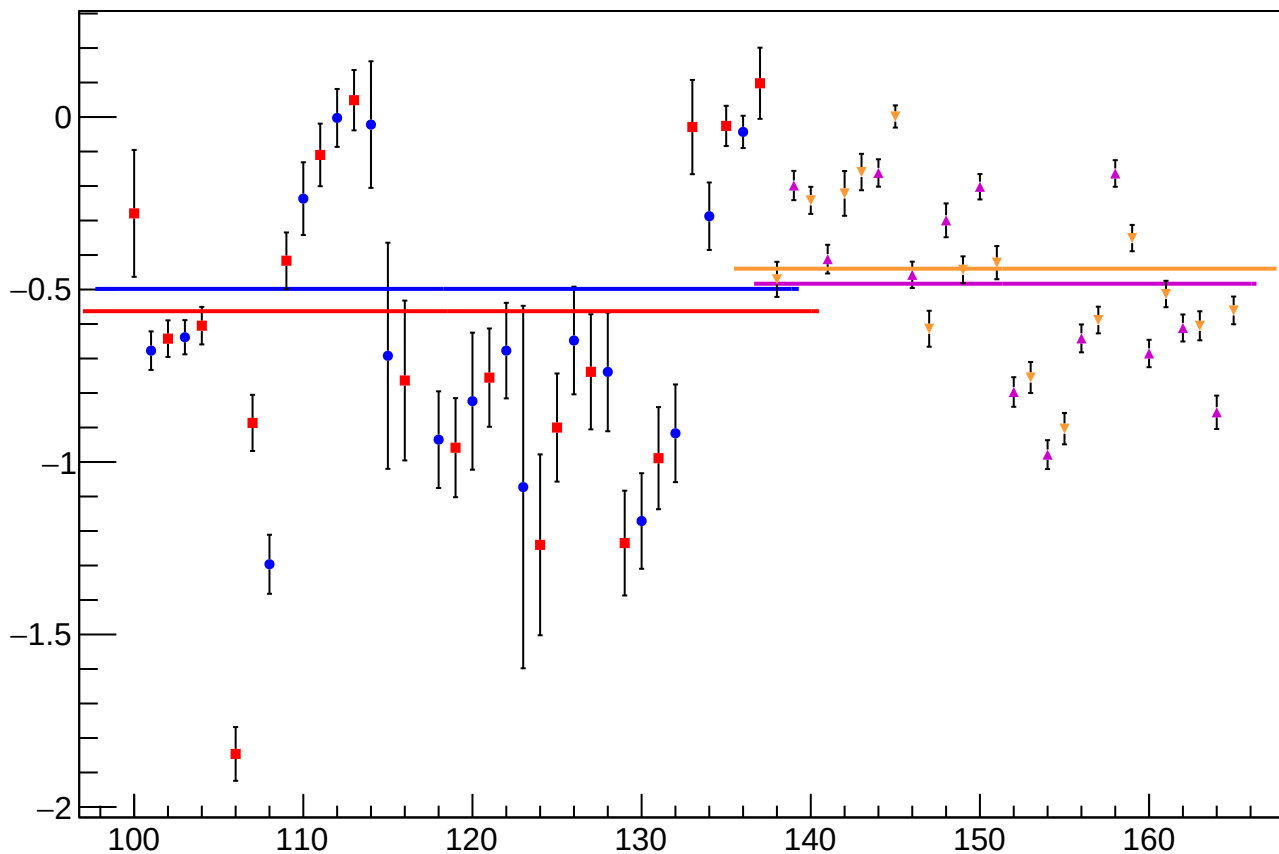
All: -40.204 ± 0.184 χ^2/NDF : 5758.0/63

- sign -40.242 ± 0.262 χ^2/NDF : 3004.8/31

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 $\pm$ 0.022 χ^2/NDF : 302.8/16

Left Out: -0.440 $\pm$ 0.011 χ^2/NDF : 466.2/14

Right Out: -0.563 $\pm$ 0.021 χ^2/NDF : 560.8/18

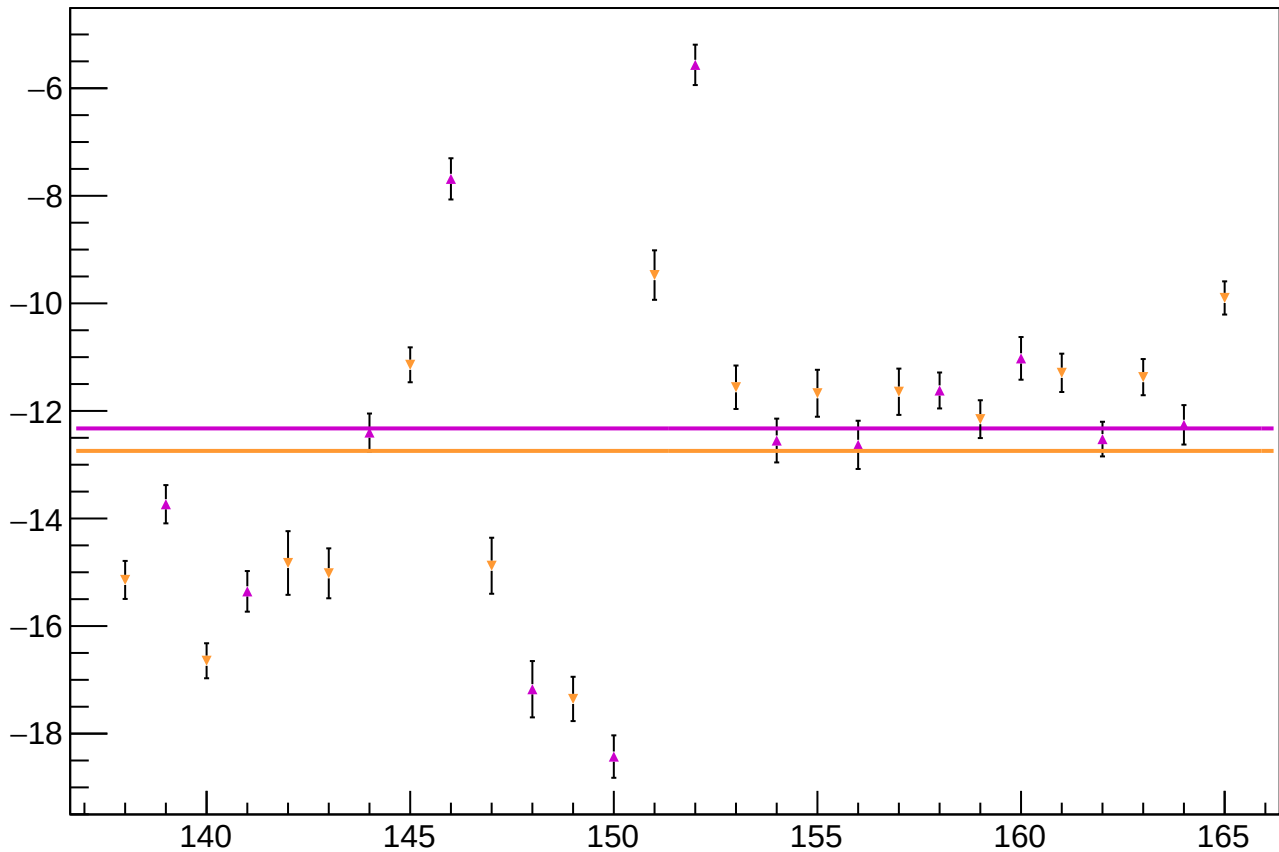
Left In: -0.483 $\pm$ 0.011 χ^2/NDF : 559.8/12

+ sign -0.451 $\pm$ 0.010 χ^2/NDF : 774.5/31

All: -0.475 $\pm$ 0.007 χ^2/NDF : 1918.3/63

- sign -0.501 $\pm$ 0.010 χ^2/NDF : 1131.3/31

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: -12.743+/-0.100 χ^2/NDF : 585.3/14

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

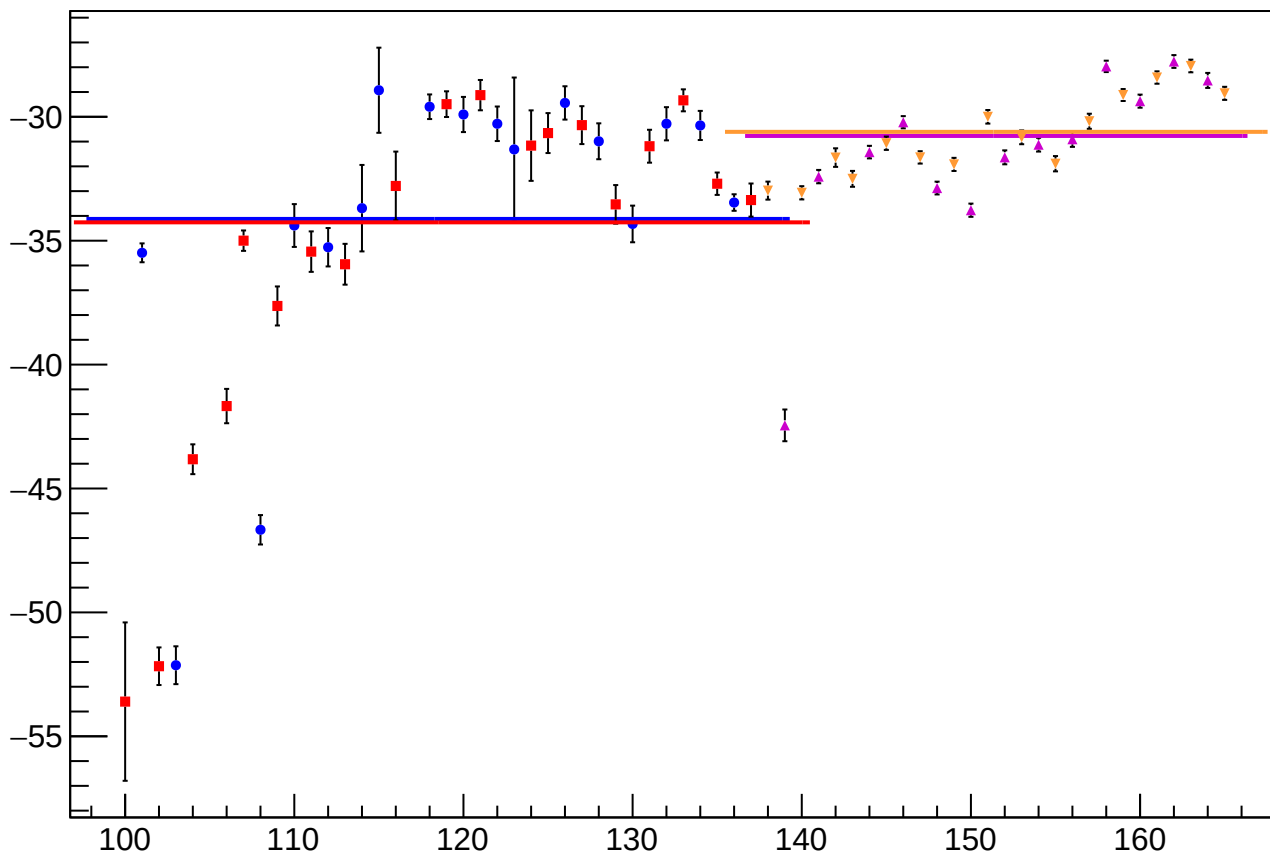
Left In: -12.325+/-0.105 χ^2/NDF : 892.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.546+/-0.072 χ^2/NDF : 1485.7/27

- 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 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -30.607 ± 0.072 $\chi^2/\text{NDF}: 496.1/14$

Right Out: -34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

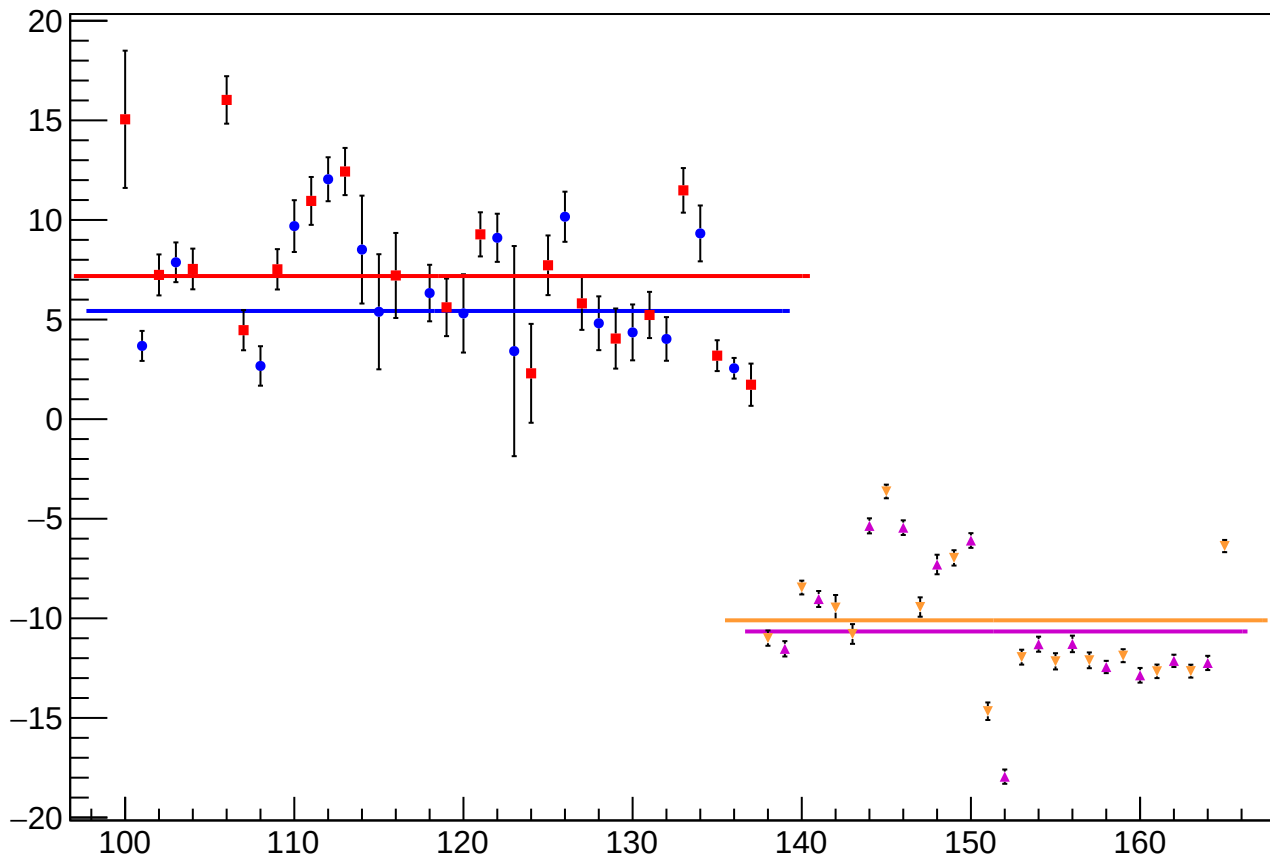
Left In: -30.773 ± 0.076 $\chi^2/\text{NDF}: 951.4/12$

+ sign -31.254 ± 0.065 $\chi^2/\text{NDF}: 2256.0/31$

All: -31.363 ± 0.047 $\chi^2/\text{NDF}: 4994.0/63$

- sign -31.482 ± 0.068 $\chi^2/\text{NDF}: 2732.2/31$

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: -10.100 ± 0.098 χ^2/NDF : 933.6/14

Right Out: 7.185 ± 0.274 χ^2/NDF : 182.1/18

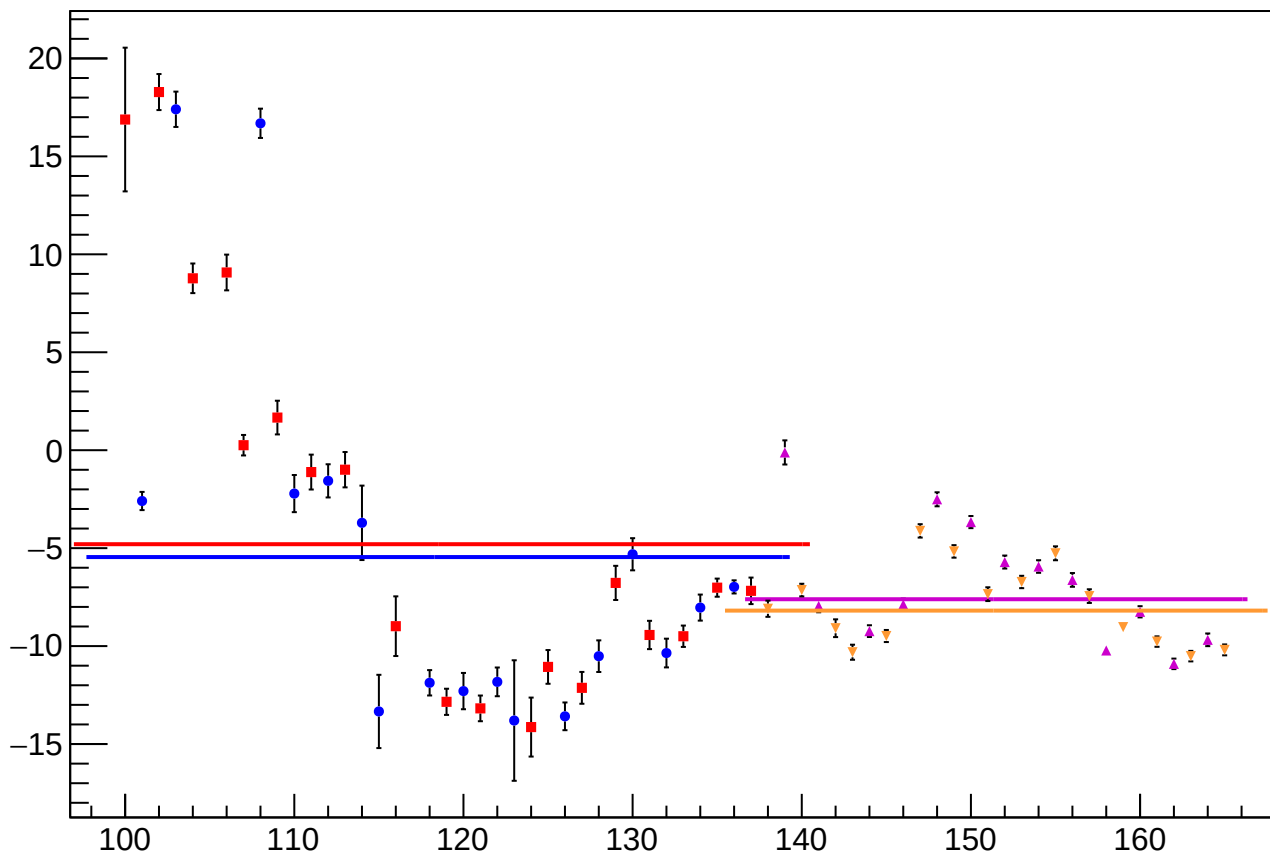
Left In: -10.659 ± 0.102 χ^2/NDF : 1146.7/12

+ sign -8.295 ± 0.092 χ^2/NDF : 3981.3/31

All: -8.383 ± 0.066 χ^2/NDF : 9023.1/63

- sign -8.479 ± 0.096 χ^2/NDF : 5039.9/31

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: -8.189 ± 0.083 $\chi^2/\text{NDF}: 565.8/14$

Right Out: -4.798 ± 0.173 $\chi^2/\text{NDF}: 2047.4/18$

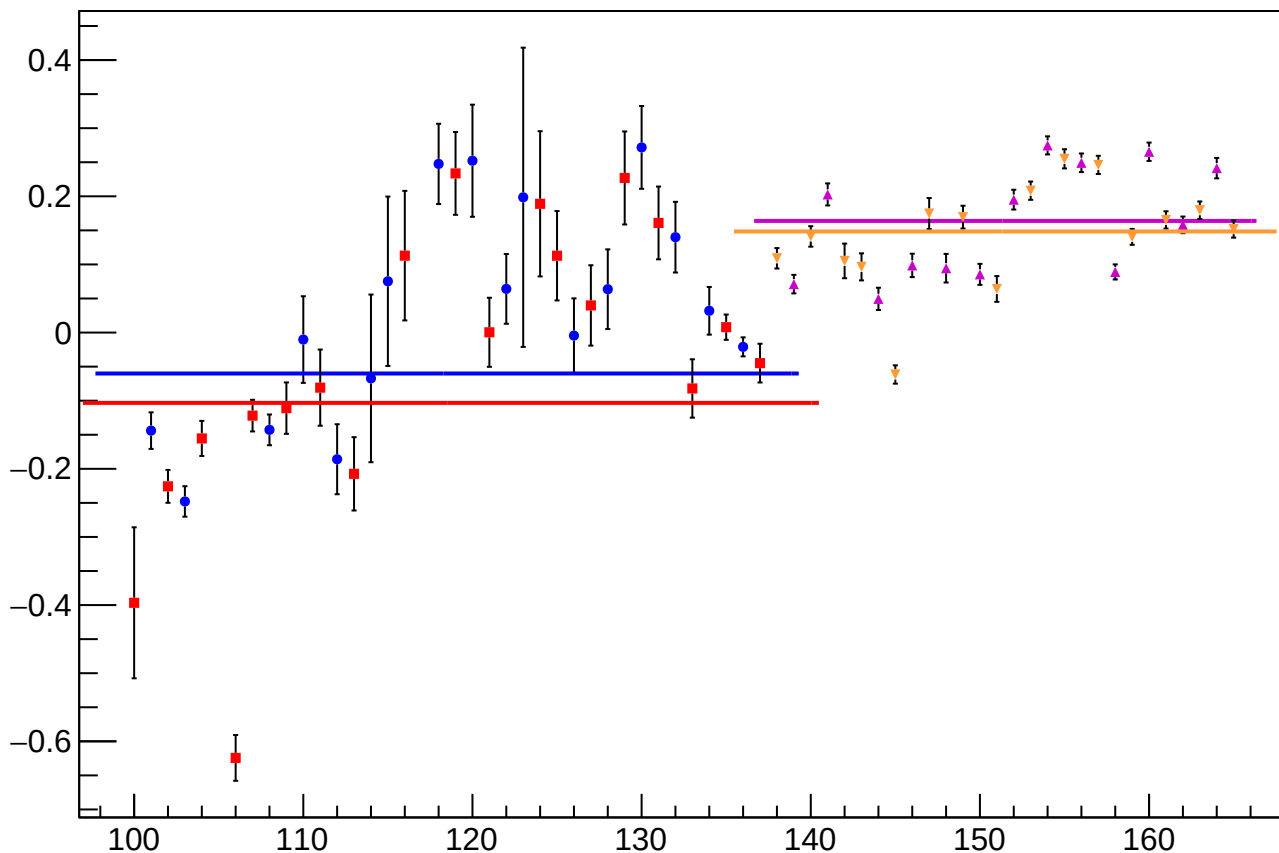
Left In: -7.608 ± 0.087 $\chi^2/\text{NDF}: 925.0/12$

+ sign -7.670 ± 0.074 $\chi^2/\text{NDF}: 2869.8/31$

All: -7.369 ± 0.054 $\chi^2/\text{NDF}: 6087.1/63$

- sign -7.039 ± 0.078 $\chi^2/\text{NDF}: 3182.9/31$

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: 0.148 ± 0.004 χ^2/NDF : 422.5/14

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

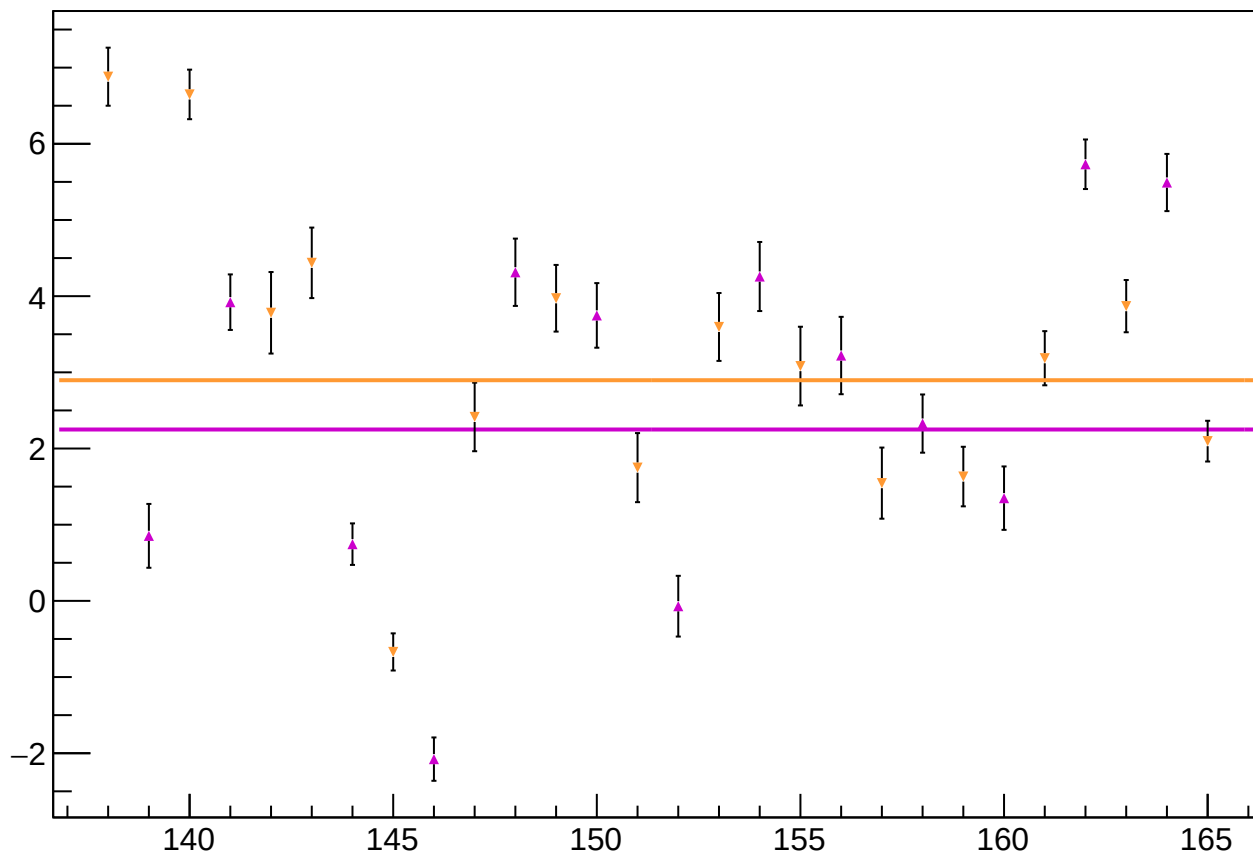
Left In: 0.164 ± 0.004 χ^2/NDF : 395.3/12

+ sign 0.113 ± 0.003 χ^2/NDF : 1148.6/31

All: 0.114 ± 0.002 χ^2/NDF : 2798.5/63

- sign 0.115 ± 0.004 χ^2/NDF : 1649.7/31

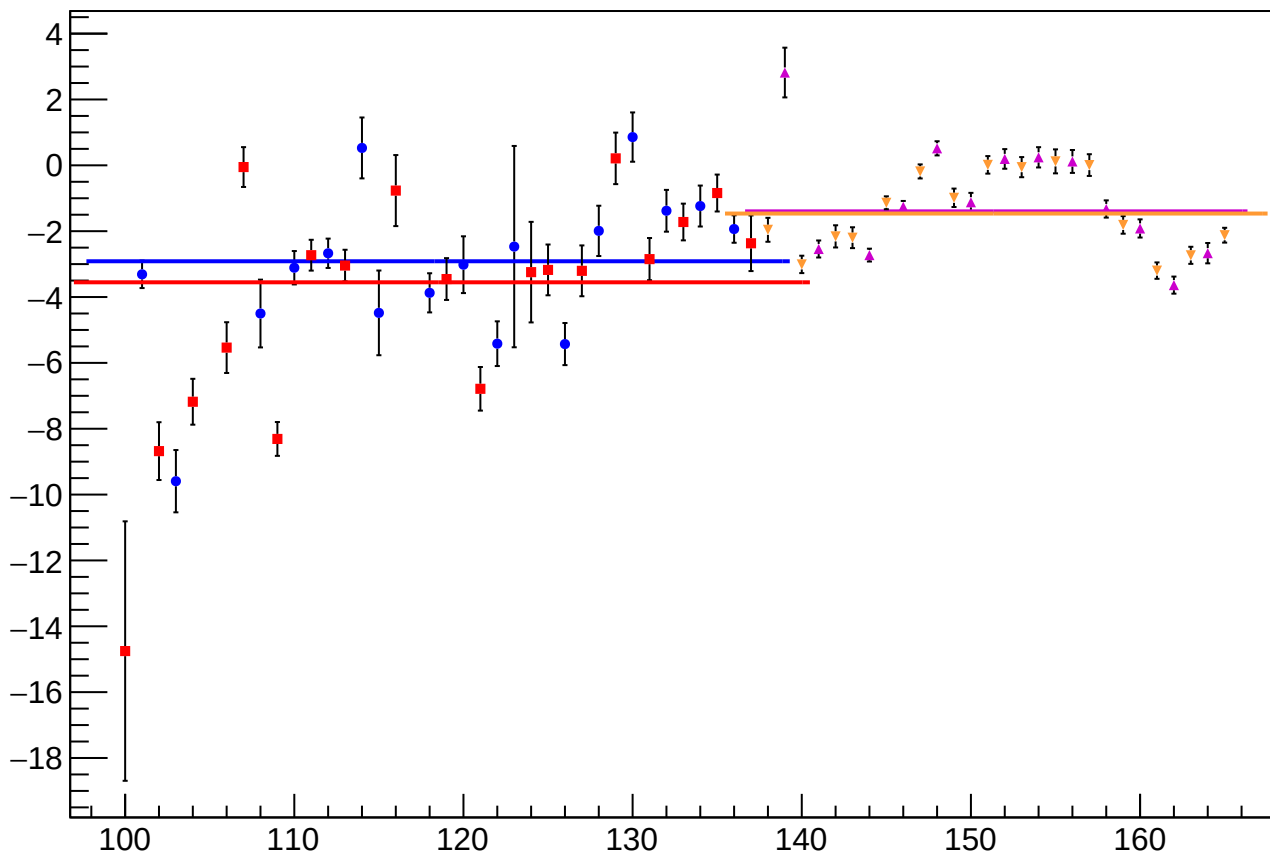
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.897 $\pm$ 0.097 χ^2 /NDF:522.8/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.250 $\pm$ 0.103 χ^2 /NDF:579.2/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 2.594 $\pm$ 0.071 χ^2 /NDF: 1122.9/27
 - 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 $\chi^2/\text{NDF}: 146.1/16$

Left Out: -1.464 ± 0.069 $\chi^2/\text{NDF}: 260.7/14$

Right Out: -3.553 ± 0.155 $\chi^2/\text{NDF}: 290.9/18$

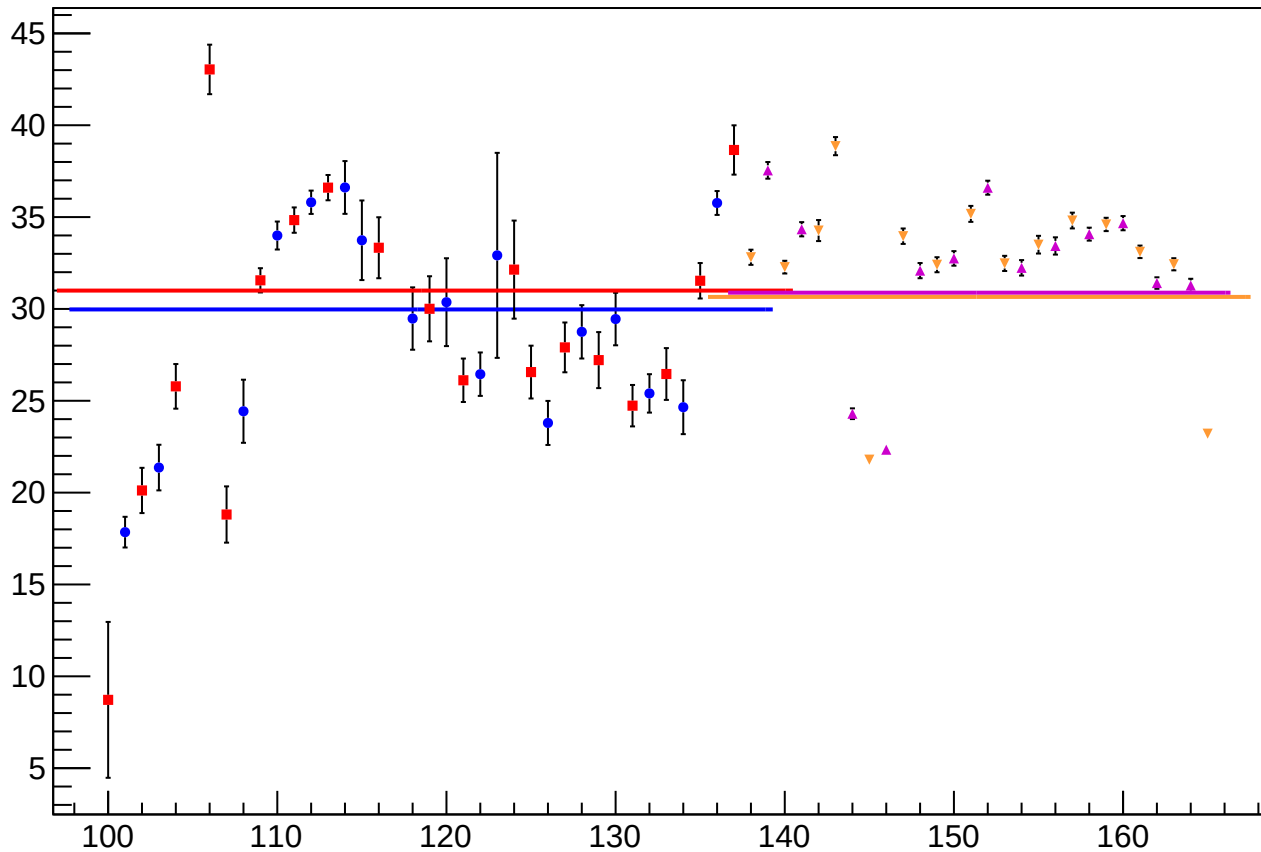
Left In: -1.398 ± 0.072 $\chi^2/\text{NDF}: 348.9/12$

+ sign -1.707 ± 0.063 $\chi^2/\text{NDF}: 479.7/31$

All: -1.744 ± 0.045 $\chi^2/\text{NDF}: 1279.8/63$

- sign -1.782 ± 0.065 $\chi^2/\text{NDF}: 799.3/31$

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: 30.654 ± 0.096 χ^2/NDF : 2850.4/14

Right Out: 30.999 ± 0.260 χ^2/NDF : 479.5/18

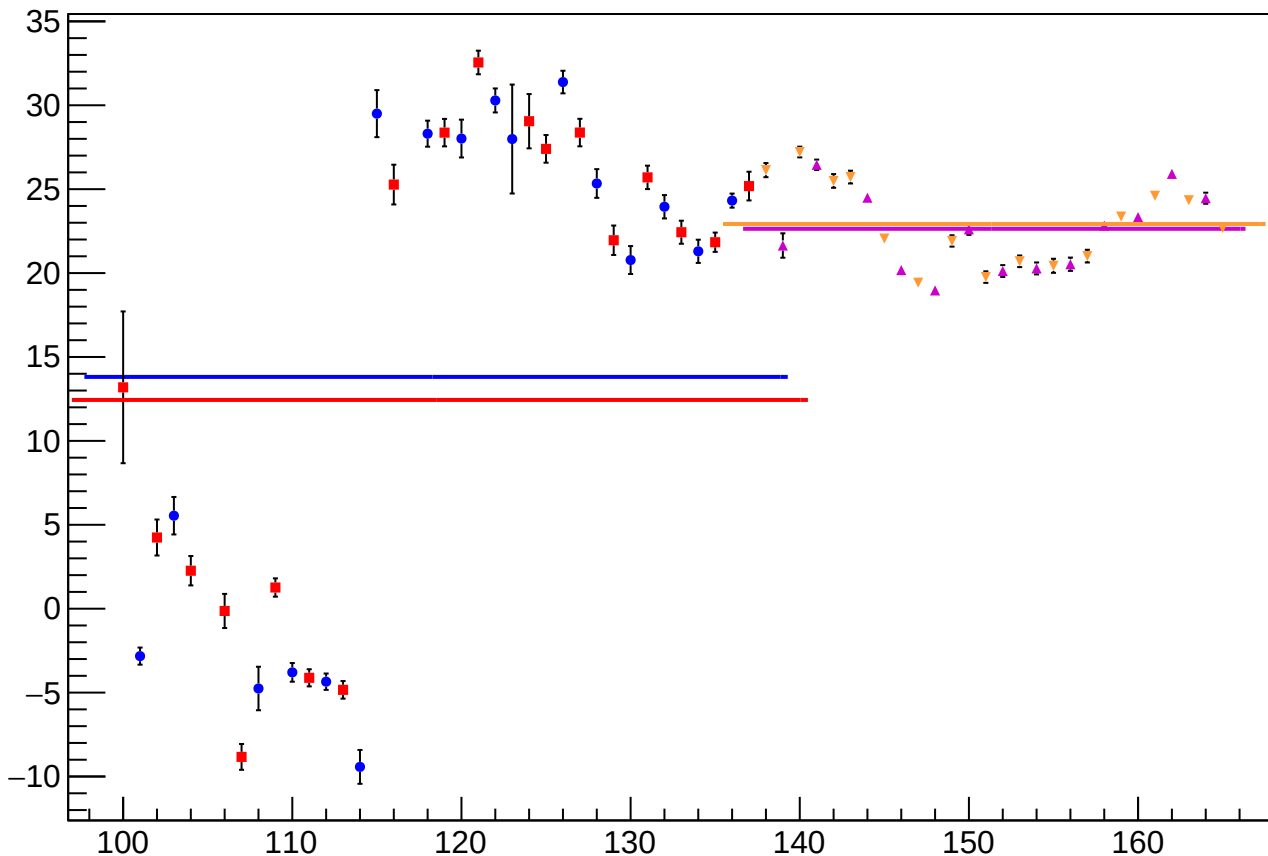
Left In: 30.884 ± 0.101 χ^2/NDF : 2259.2/12

+ sign 30.576 ± 0.090 χ^2/NDF : 3410.4/31

All: 30.731 ± 0.065 χ^2/NDF : 6155.4/63

- sign 30.899 ± 0.094 χ^2/NDF : 2738.9/31

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: 22.926 $\pm$ 0.080 χ^2 /NDF: 752.3/14

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

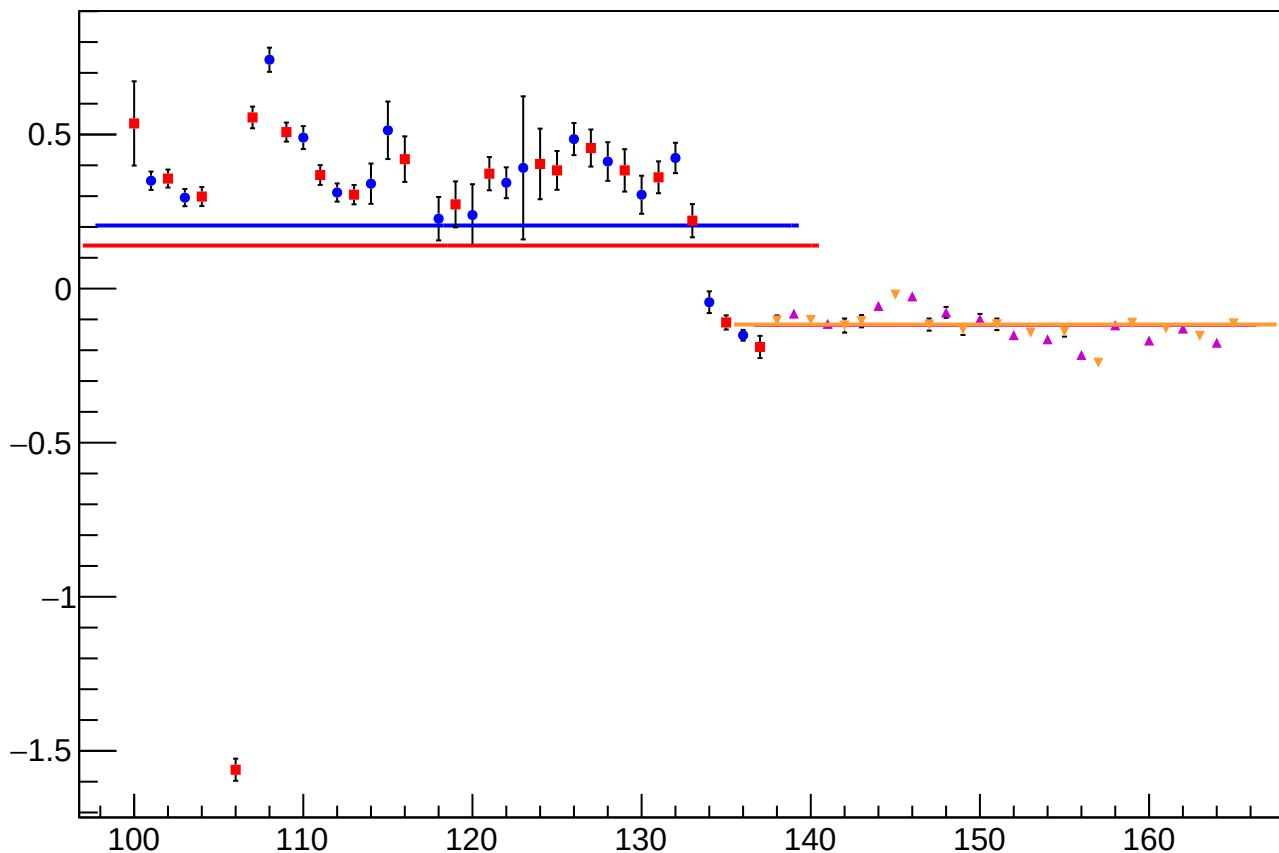
Left In: 22.639 $\pm$ 0.084 χ^2 /NDF: 796.5/12

+ sign 21.306 $\pm$ 0.073 χ^2 /NDF: 10361.1/31

All: 21.015 $\pm$ 0.052 χ^2 /NDF: 20952.1/63

- sign 20.699 $\pm$ 0.076 χ^2 /NDF: 10557.6/31

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: -0.117 ± 0.004 χ^2/NDF : 180.7/14

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

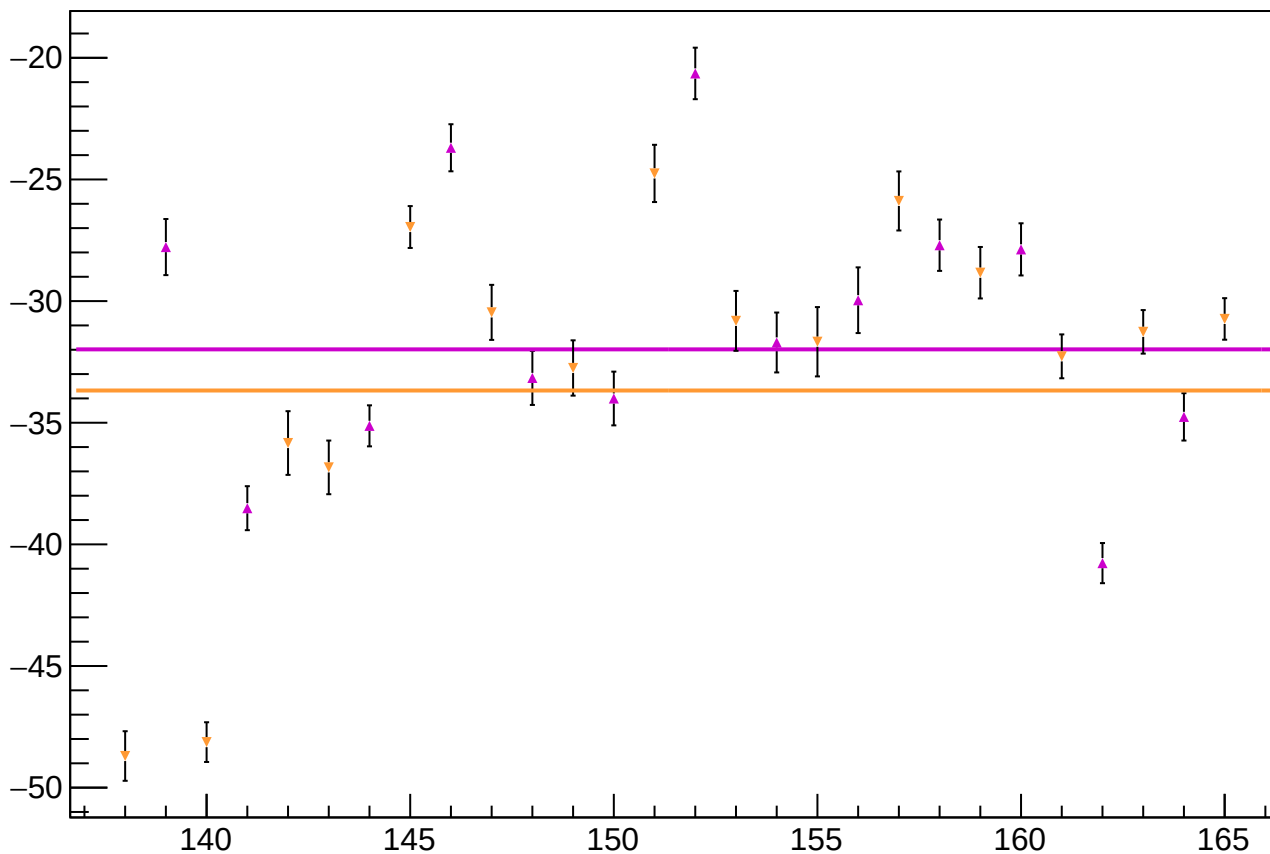
Left In: -0.118 ± 0.004 χ^2/NDF : 171.4/12

+ sign -0.072 ± 0.003 χ^2/NDF : 2037.9/31

All: -0.074 ± 0.003 χ^2/NDF : 5883.7/63

- sign -0.077 ± 0.004 χ^2/NDF : 3844.7/31

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: -33.675+/-0.267 χ^2/NDF : 759.8/14

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

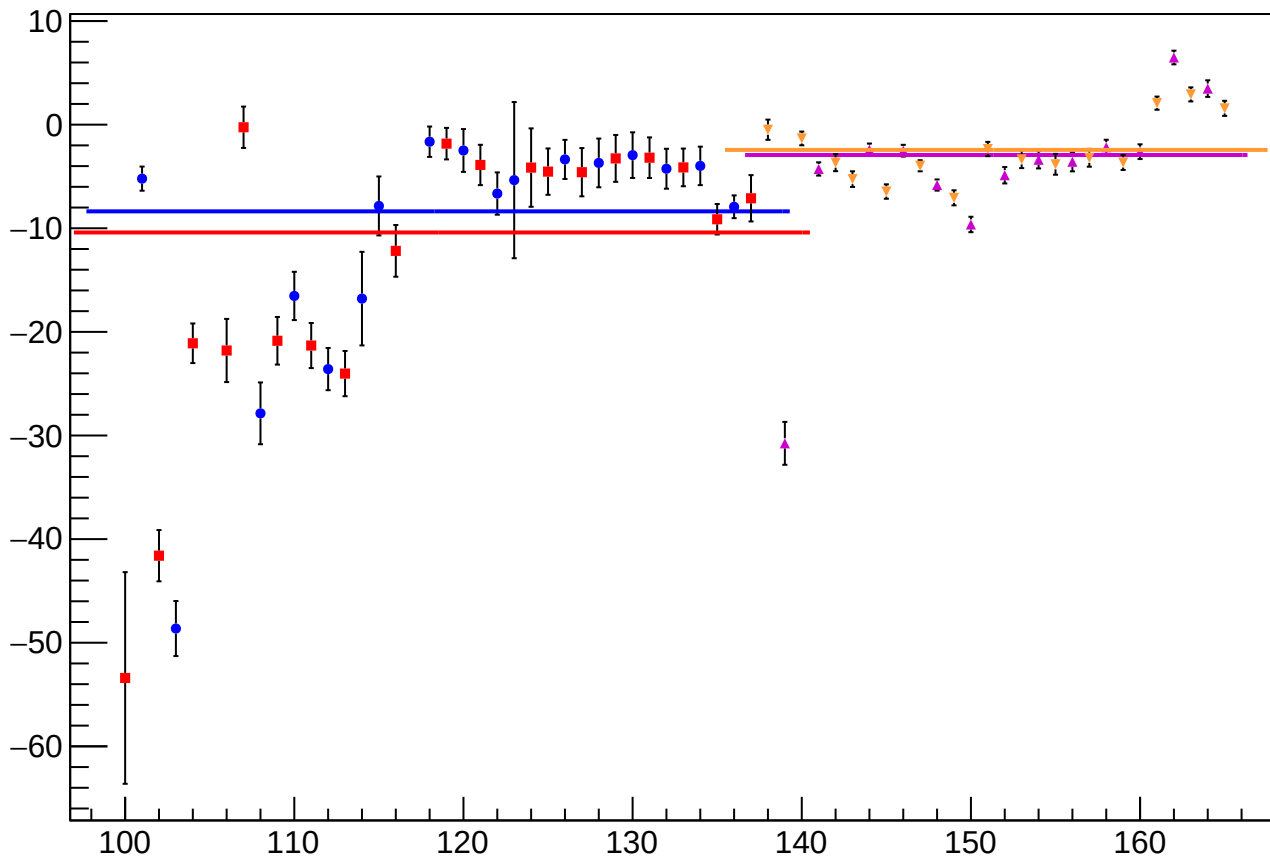
Left In: -31.984+/-0.283 χ^2/NDF : 426.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.880+/-0.194 χ^2/NDF : 1205.6/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -2.436 ± 0.188 χ^2/NDF : 254.9/14

Right Out: -10.405 ± 0.491 χ^2/NDF : 430.3/18

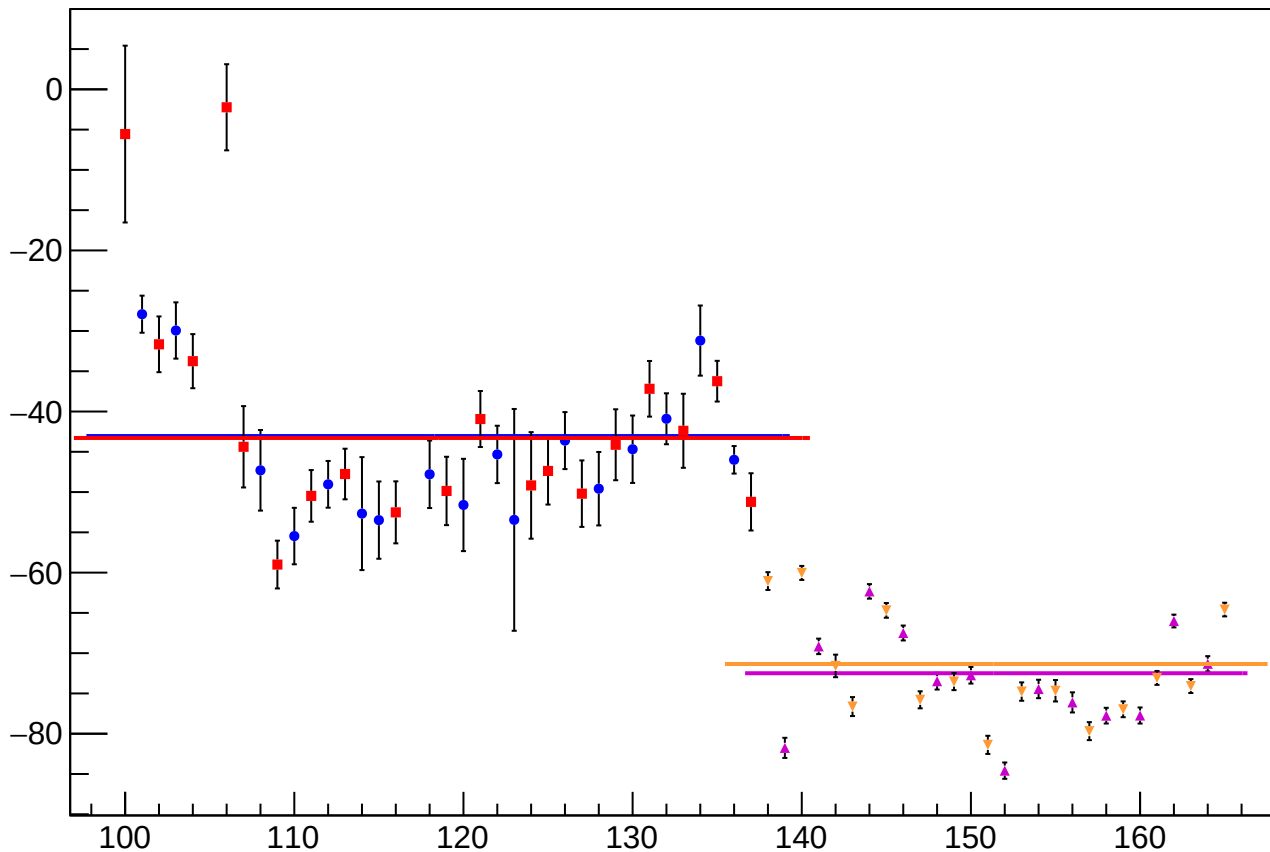
Left In: -2.927 ± 0.197 χ^2/NDF : 572.3/12

+ sign -3.267 ± 0.174 χ^2/NDF : 803.0/31

All: -3.599 ± 0.126 χ^2/NDF : 2013.0/63

- sign -3.965 ± 0.183 χ^2/NDF : 1202.4/31

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 χ^2/NDF : 99.0/16

Left Out: -71.345 ± 0.264 χ^2/NDF : 611.7/14

Right Out: -43.282 ± 0.867 χ^2/NDF : 154.4/18

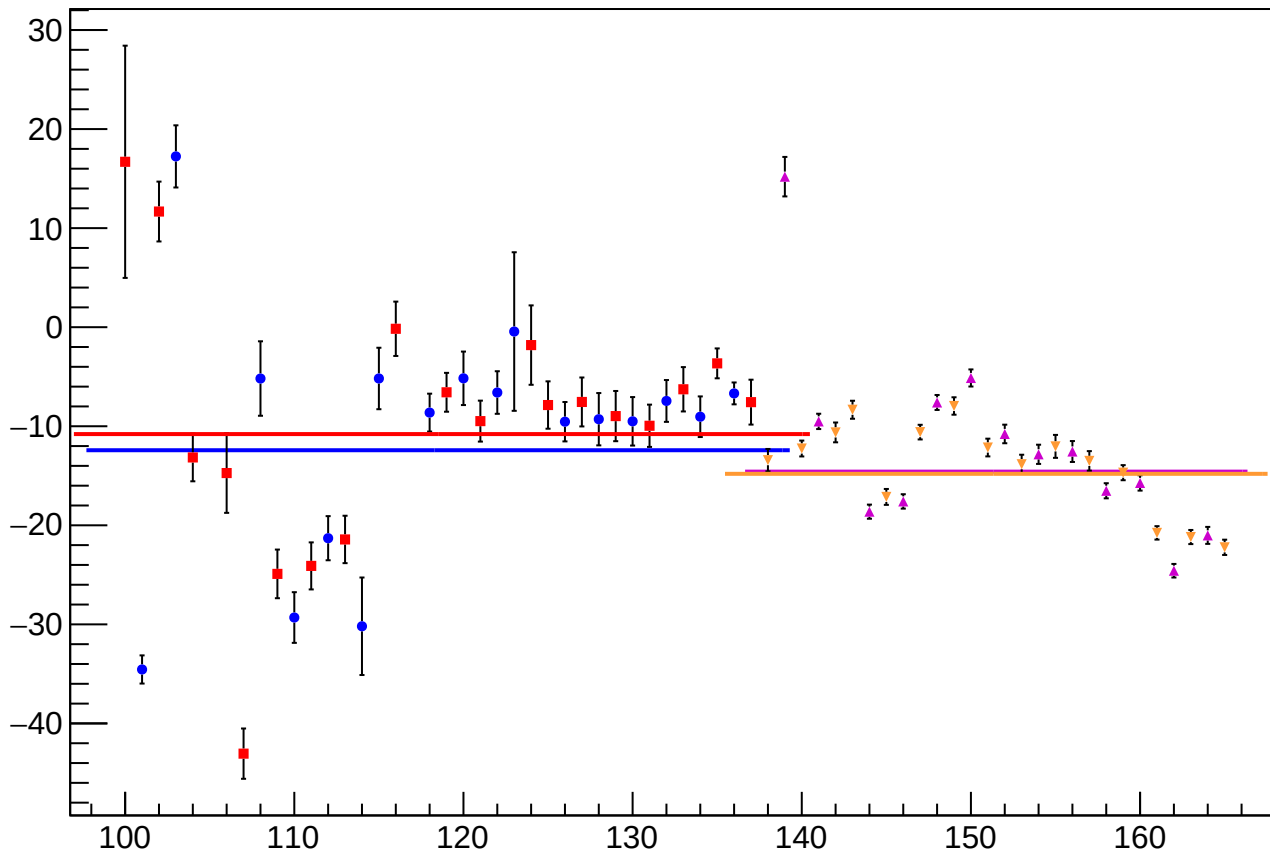
Left In: -72.493 ± 0.276 χ^2/NDF : 502.6/12

+ sign -68.792 ± 0.252 χ^2/NDF : 1749.9/31

All: -69.274 ± 0.182 χ^2/NDF : 3444.8/63

- sign -69.803 ± 0.263 χ^2/NDF : 1687.1/31

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: -14.803 ± 0.219 χ^2/NDF : 448.4/14

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

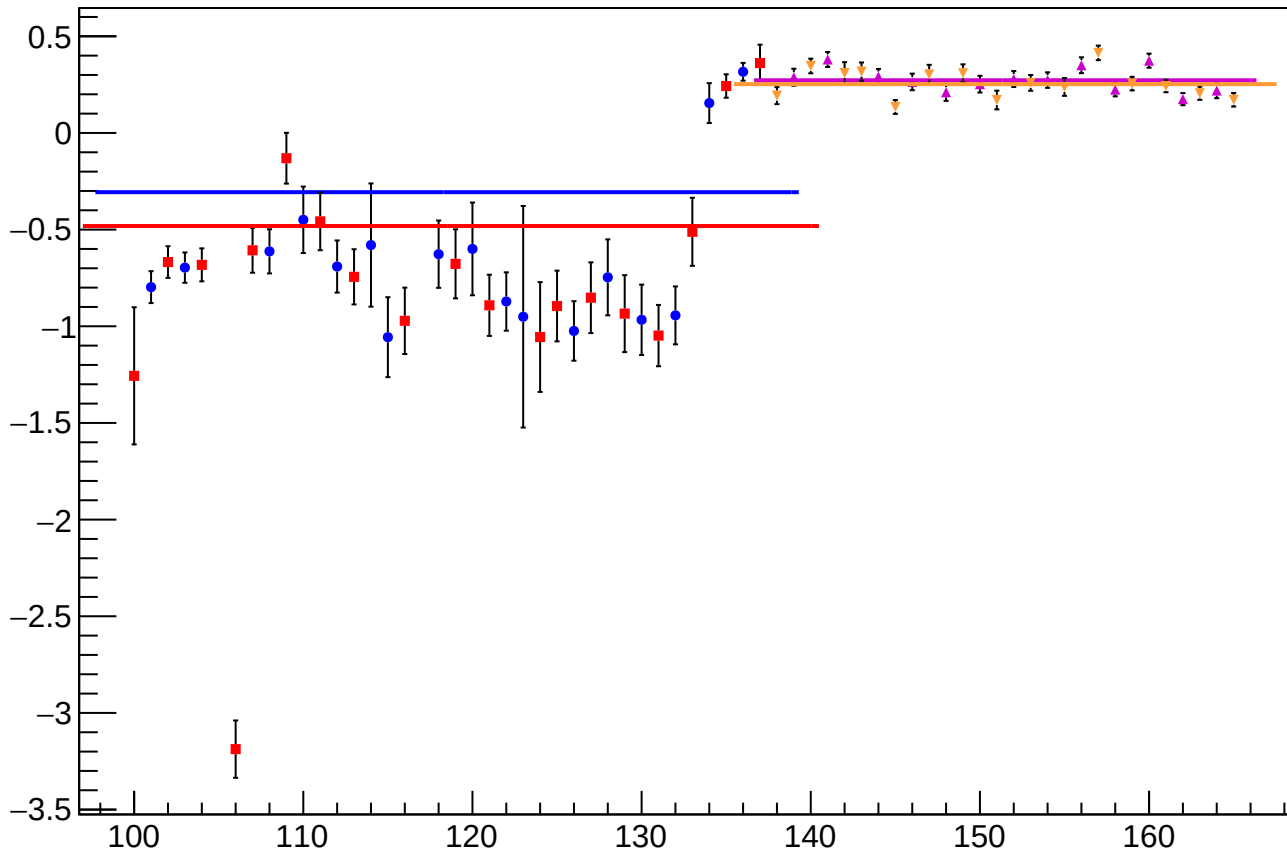
Left In: -14.581 ± 0.230 χ^2/NDF : 821.7/12

+ sign -14.448 ± 0.202 χ^2/NDF : 940.4/31

All: -14.246 ± 0.146 χ^2/NDF : 2170.0/63

- sign -14.022 ± 0.213 χ^2/NDF : 1227.5/31

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: 0.252 ± 0.010 χ^2/NDF : 52.9/14

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

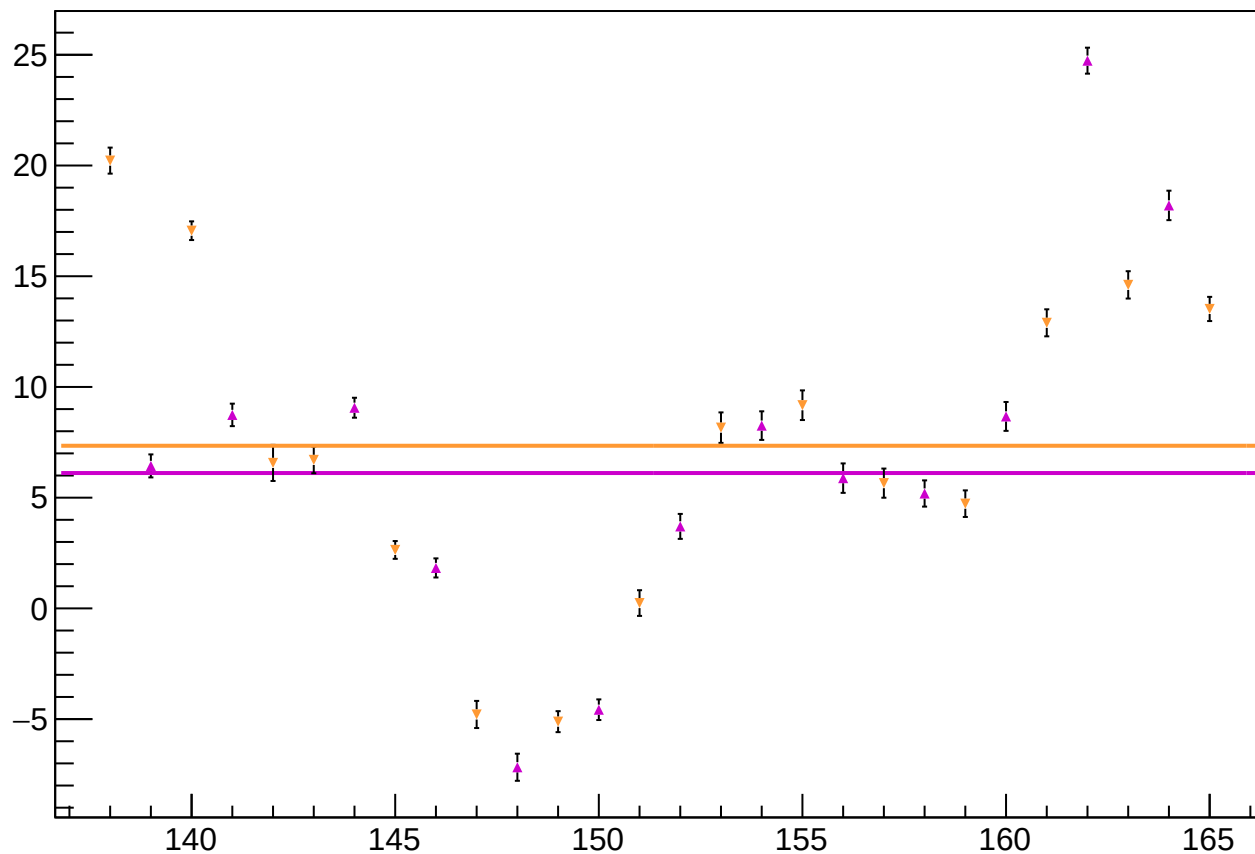
Left In: 0.272 ± 0.011 χ^2/NDF : 35.0/12

+ sign 0.183 ± 0.010 χ^2/NDF : 784.4/31

All: 0.180 ± 0.007 χ^2/NDF : 2054.7/63

- sign 0.177 ± 0.010 χ^2/NDF : 1270.2/31

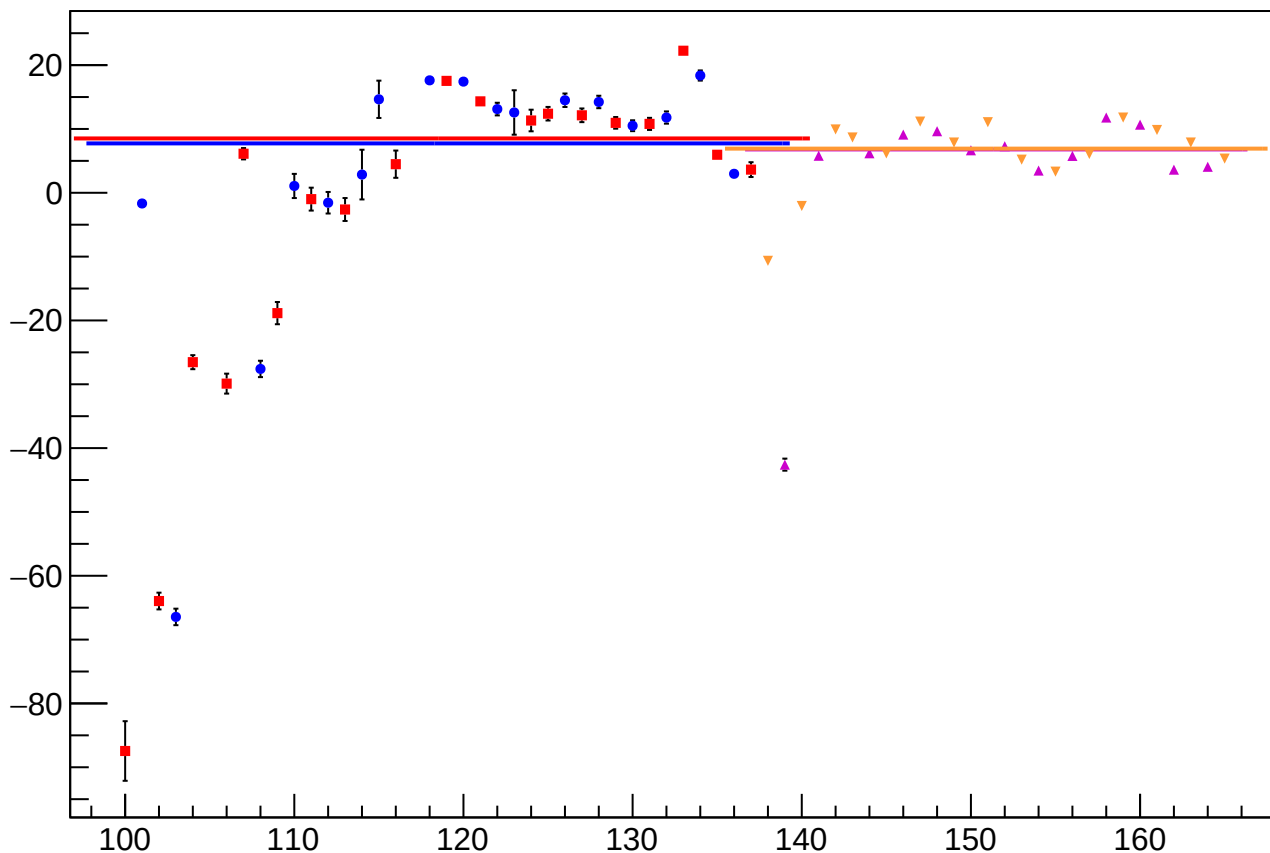
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 7.345 ± 0.146 $\chi^2/\text{NDF}: 2766.7/14$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: 6.113 ± 0.152 $\chi^2/\text{NDF}: 2551.2/12$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 All: 6.754 ± 0.105 $\chi^2/\text{NDF}: 5352.2/27$
 - sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 6.918 ± 0.103 χ^2/NDF : 2223.2/14

Right Out: 8.514 ± 0.213 χ^2/NDF : 6719.4/18

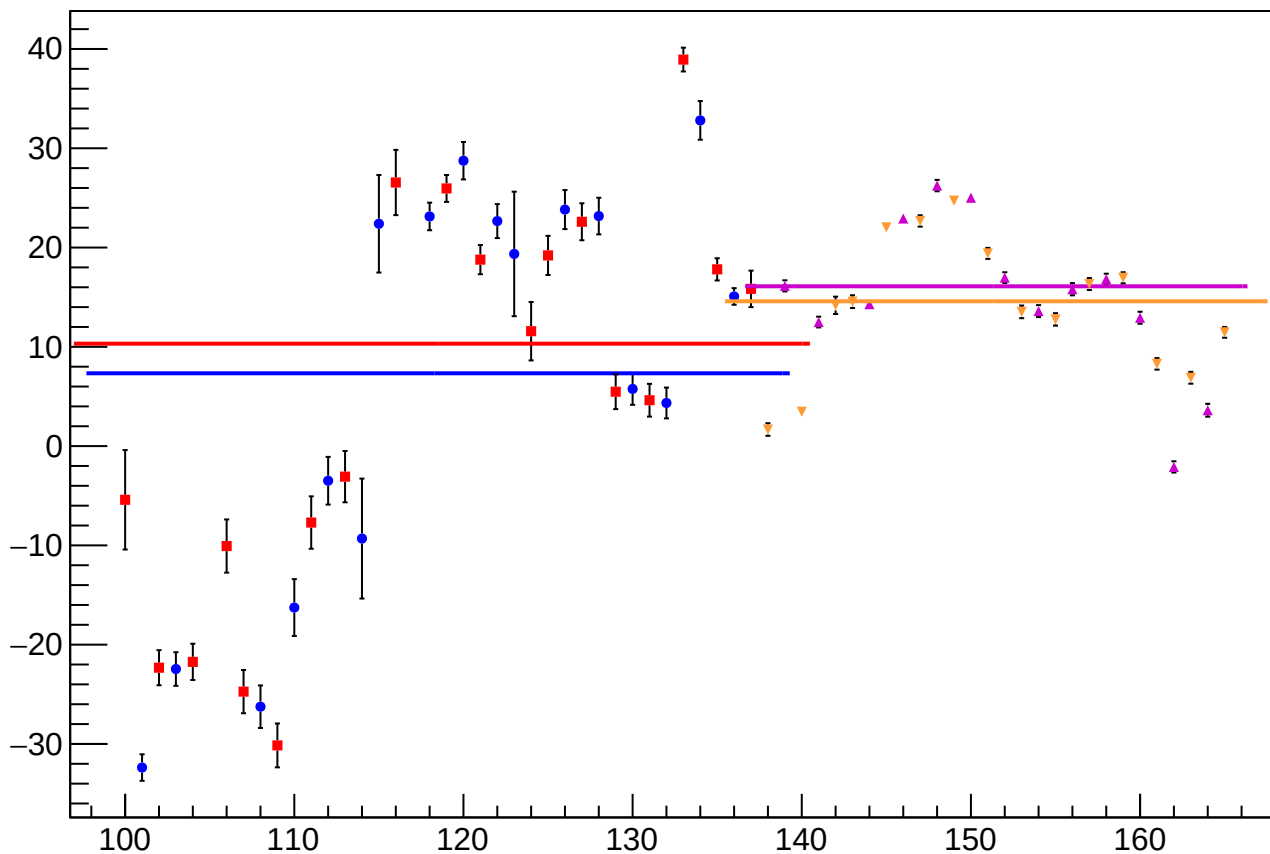
Left In: 6.792 ± 0.107 χ^2/NDF : 3266.0/12

+ sign 7.067 ± 0.093 χ^2/NDF : 7535.4/31

All: 7.102 ± 0.067 χ^2/NDF : 17573.1/63

- sign 7.140 ± 0.096 χ^2/NDF : 10037.4/31

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: 14.589 ± 0.144 χ^2/NDF : 2484.9/14

Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18

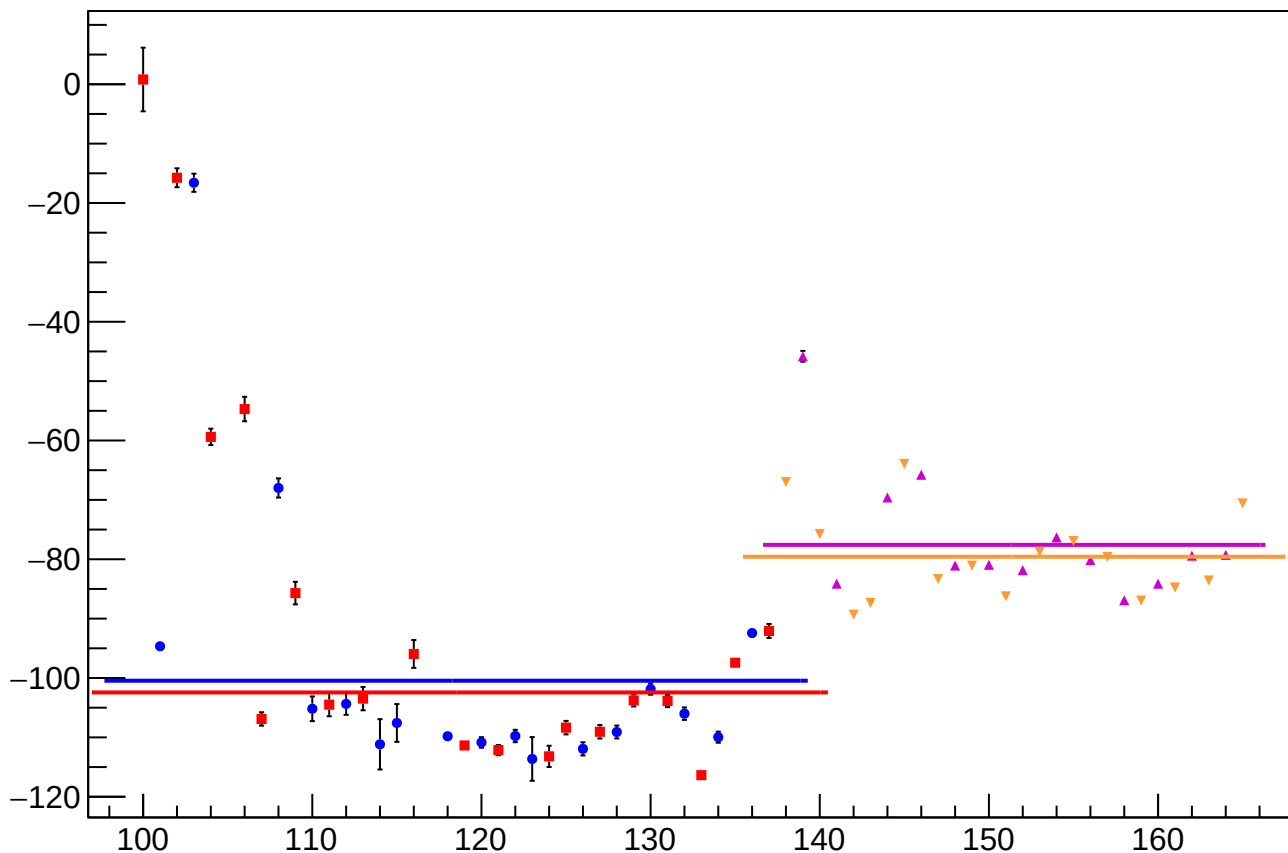
Left In: 16.097 ± 0.148 χ^2/NDF : 2518.7/12

+ sign 13.822 ± 0.136 χ^2/NDF : 5046.8/31

All: 14.613 ± 0.098 χ^2/NDF : 10087.1/63

- sign 15.447 ± 0.140 χ^2/NDF : 4970.9/31

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: -79.575 ± 0.121 χ^2/NDF : 3792.2/14

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

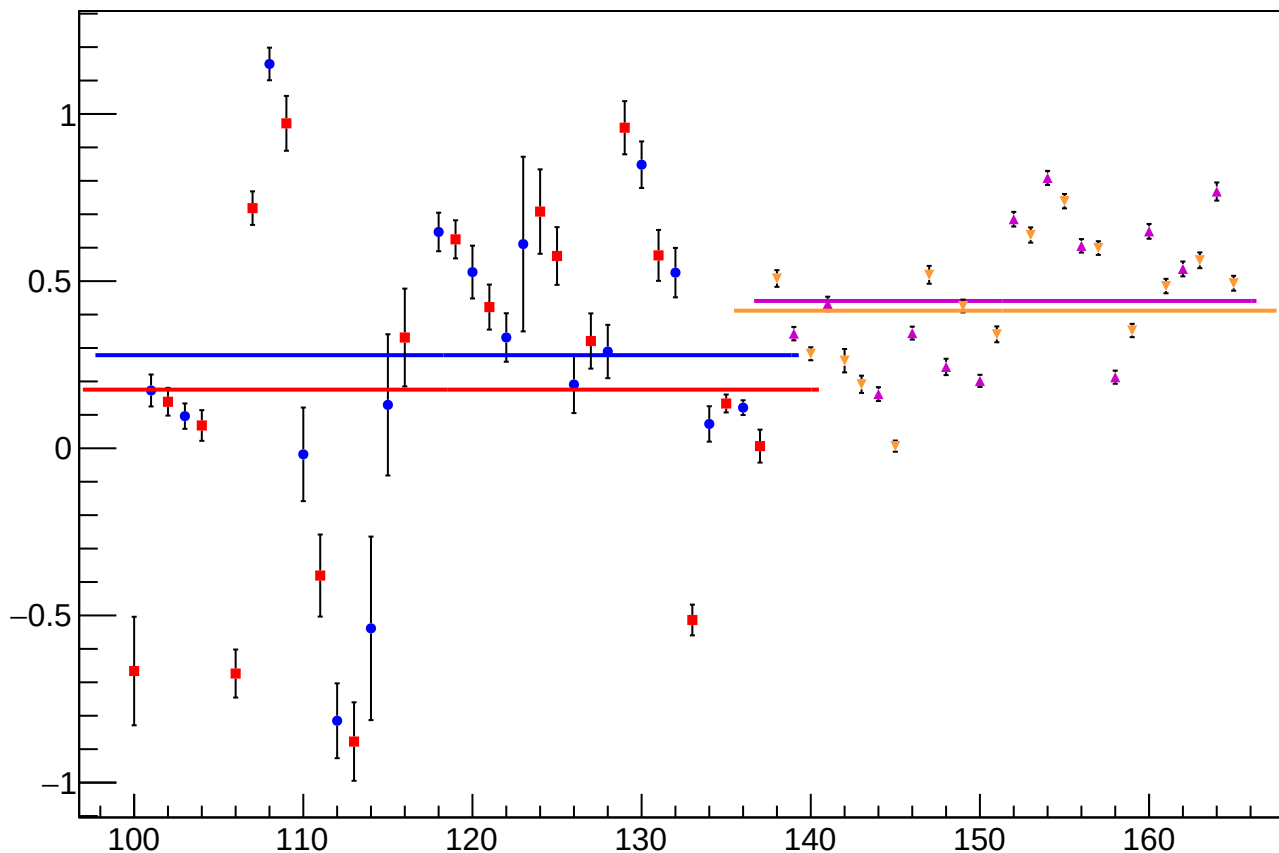
Left In: -77.575 ± 0.125 χ^2/NDF : 4005.2/12

+ sign -83.498 ± 0.109 χ^2/NDF : 13885.8/31

All: -83.110 ± 0.078 χ^2/NDF : 32099.1/63

- sign -82.699 ± 0.112 χ^2/NDF : 18187.0/31

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.412 ± 0.006 χ^2/NDF : 1254.4/14

Right Out: 0.175 ± 0.013 χ^2/NDF : 967.7/18

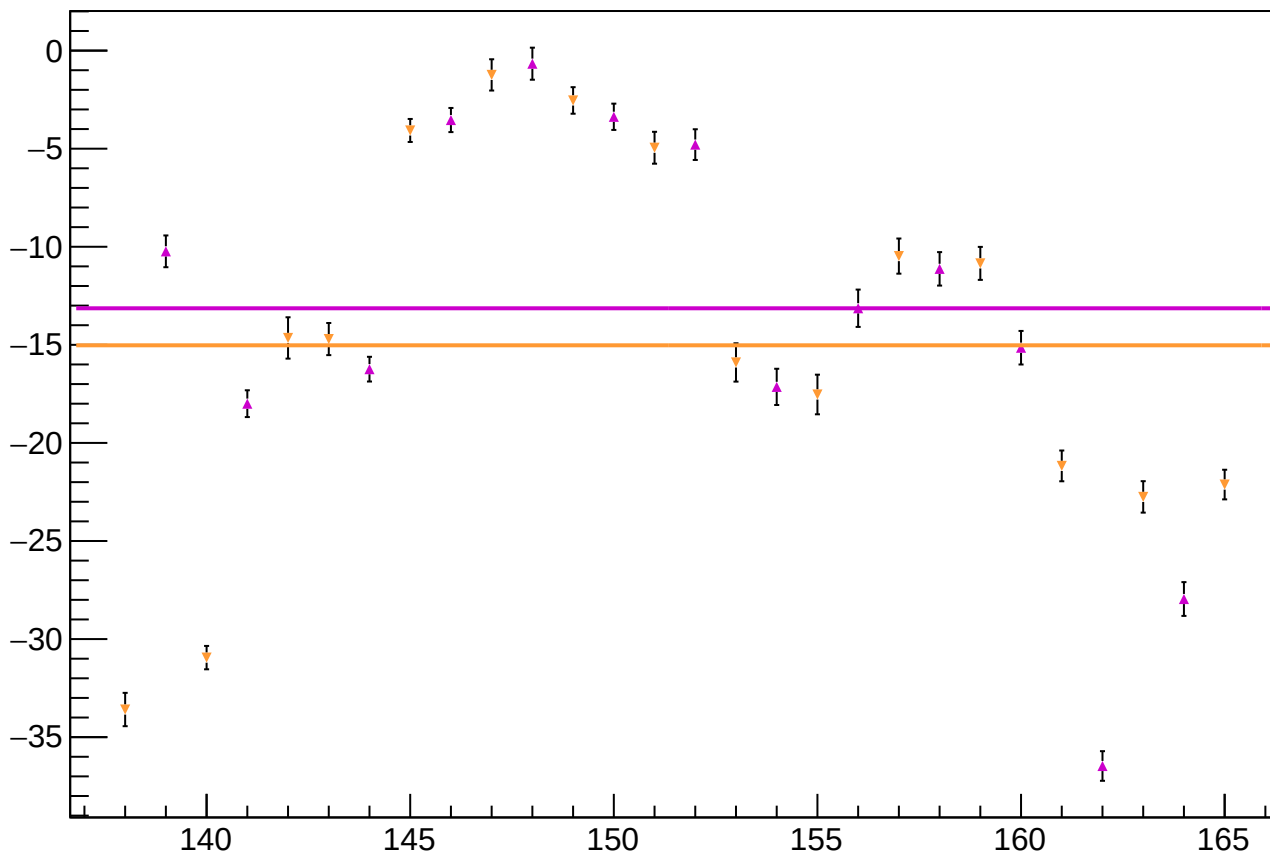
Left In: 0.441 ± 0.006 χ^2/NDF : 1348.6/12

+ sign 0.392 ± 0.005 χ^2/NDF : 1990.6/31

All: 0.395 ± 0.004 χ^2/NDF : 4633.4/63

- sign 0.398 ± 0.005 χ^2/NDF : 2641.9/31

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -15.024+/-0.202 χ^2/NDF : 2633.3/14

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

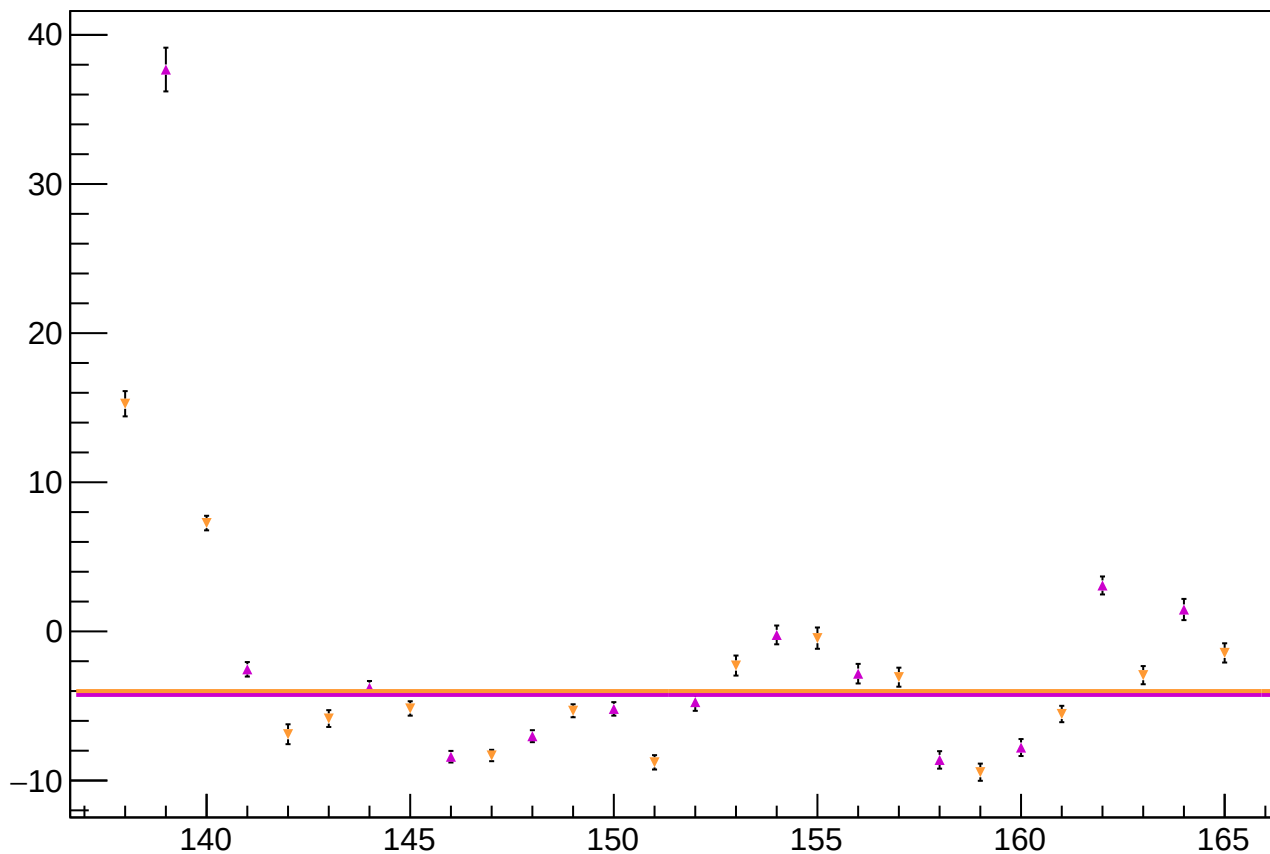
Left In: -13.137+/-0.212 χ^2/NDF : 2171.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -14.123+/-0.146 χ^2/NDF : 4845.9/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

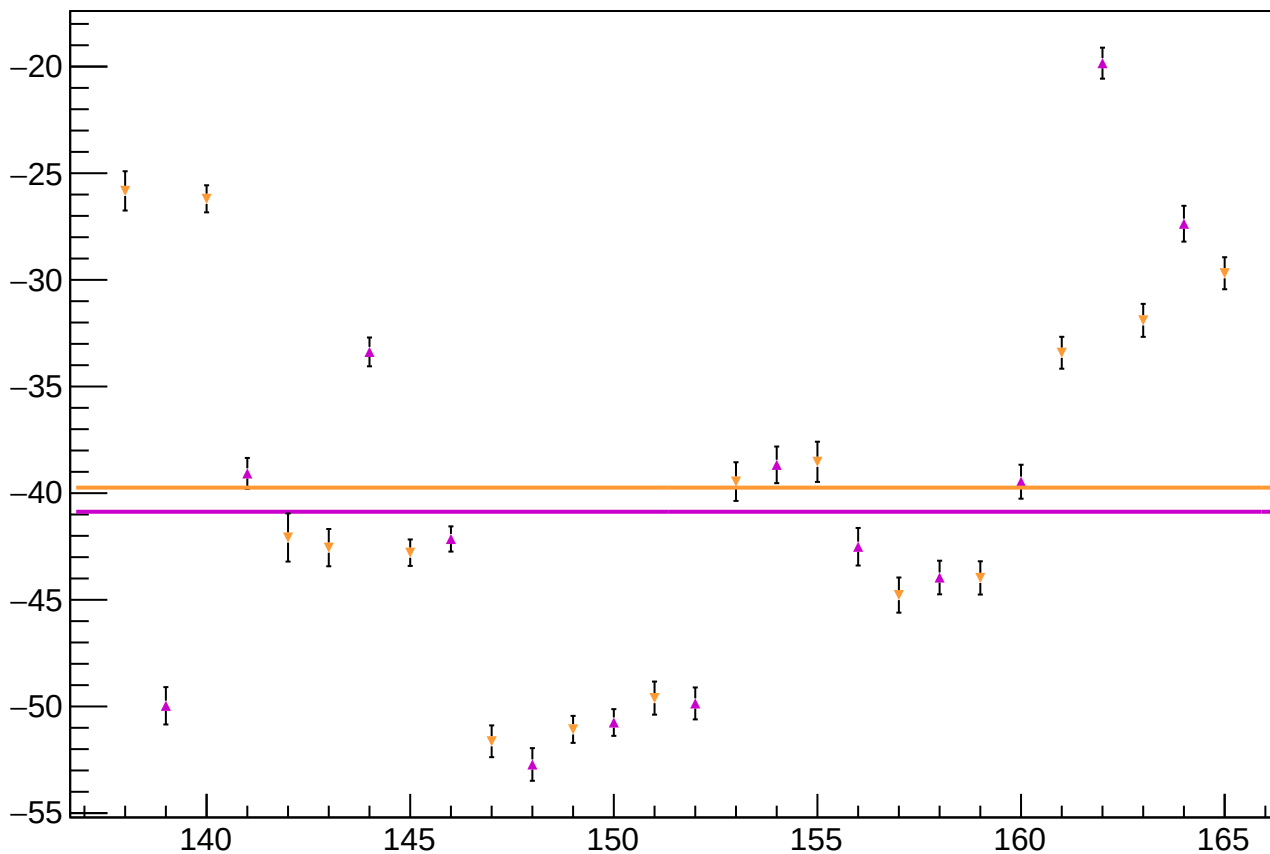
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -4.001 $\pm$ 0.142 χ^2 /NDF:1469.1/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.259 $\pm$ 0.148 χ^2 /NDF:1349.1/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -4.124 $\pm$ 0.102 χ^2 /NDF: 2819.8/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -39.740+/-0.200 χ^2/NDF :1881.5/14

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

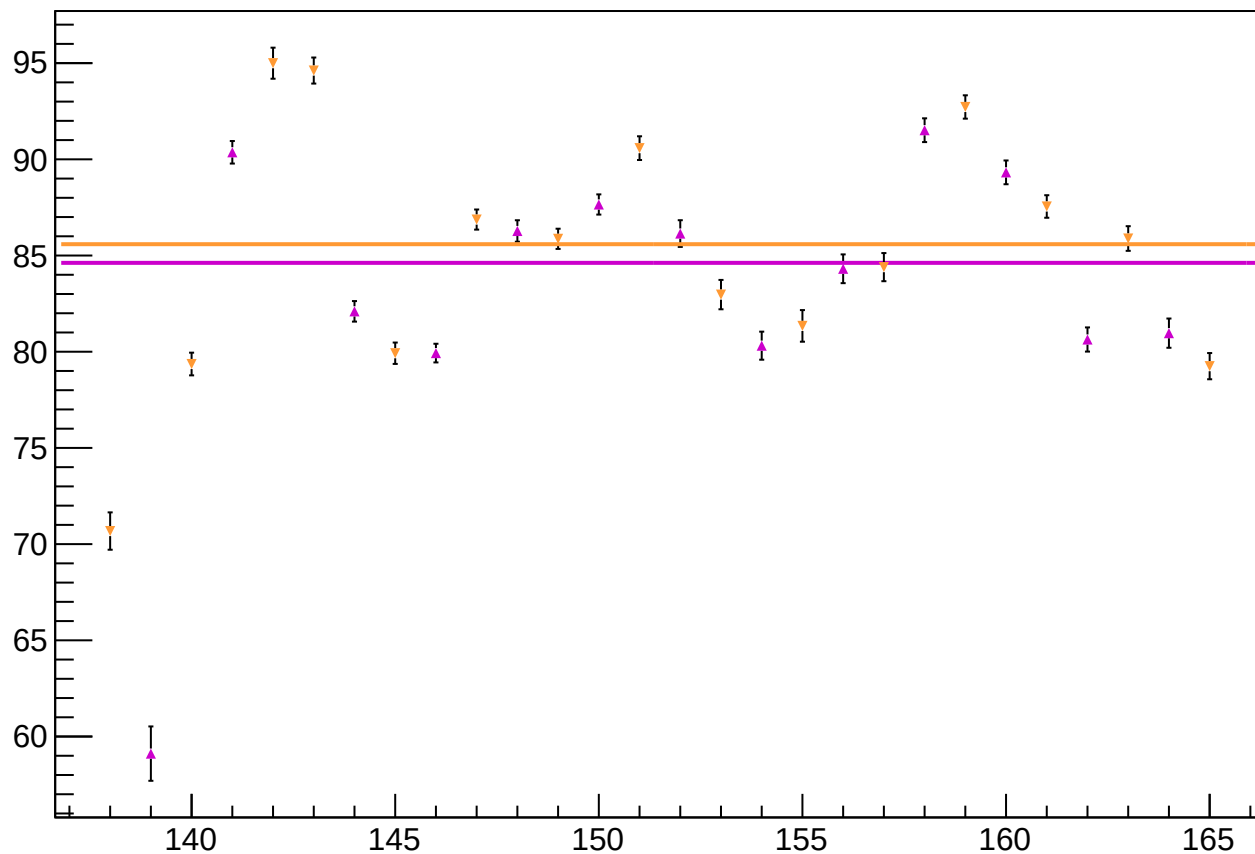
Left In: -40.871+/-0.207 χ^2/NDF :1997.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.287+/-0.144 χ^2/NDF : 3894.7/27

- 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: 85.589+/-0.166 χ^2/NDF :1114.1/14

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

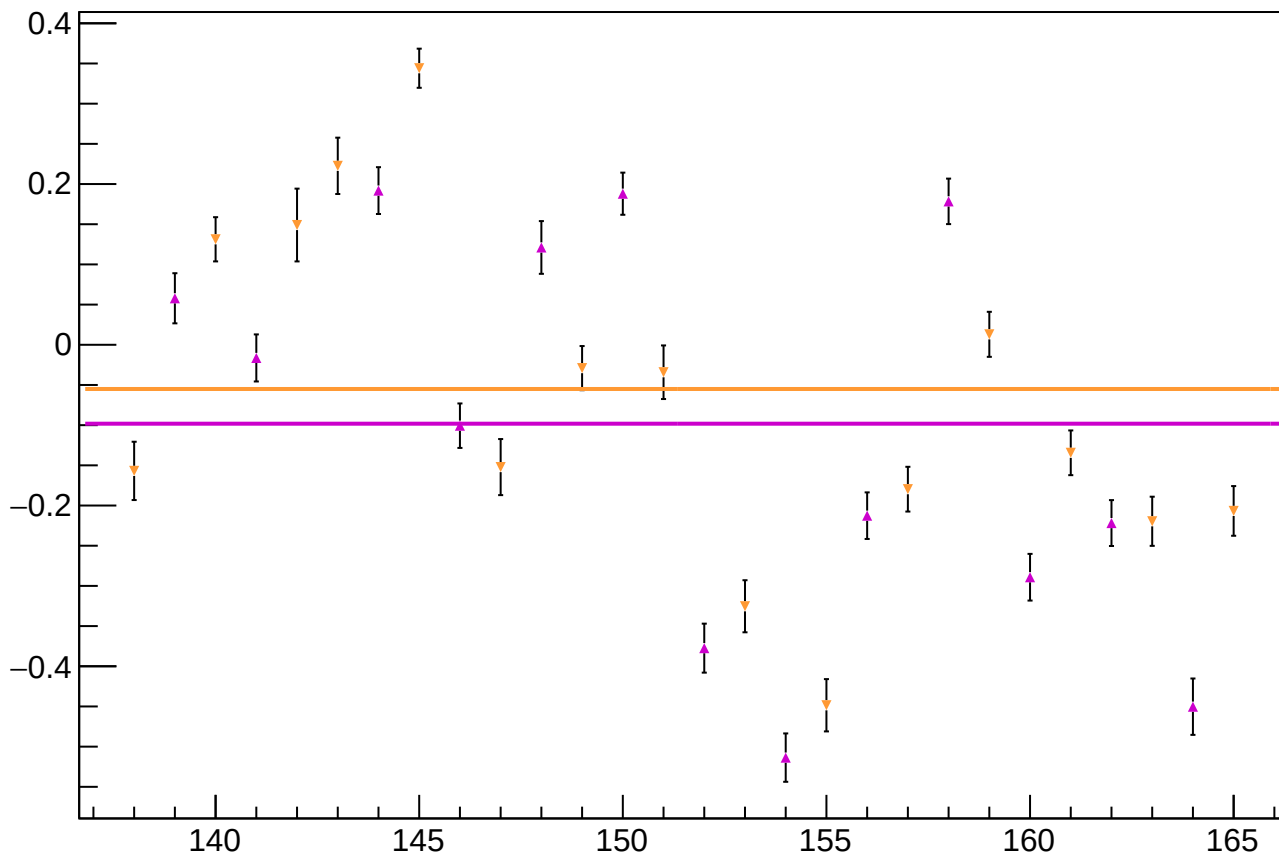
Left In: 84.619+/-0.173 χ^2/NDF :866.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 85.124+/-0.120 χ^2/NDF : 1996.5/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

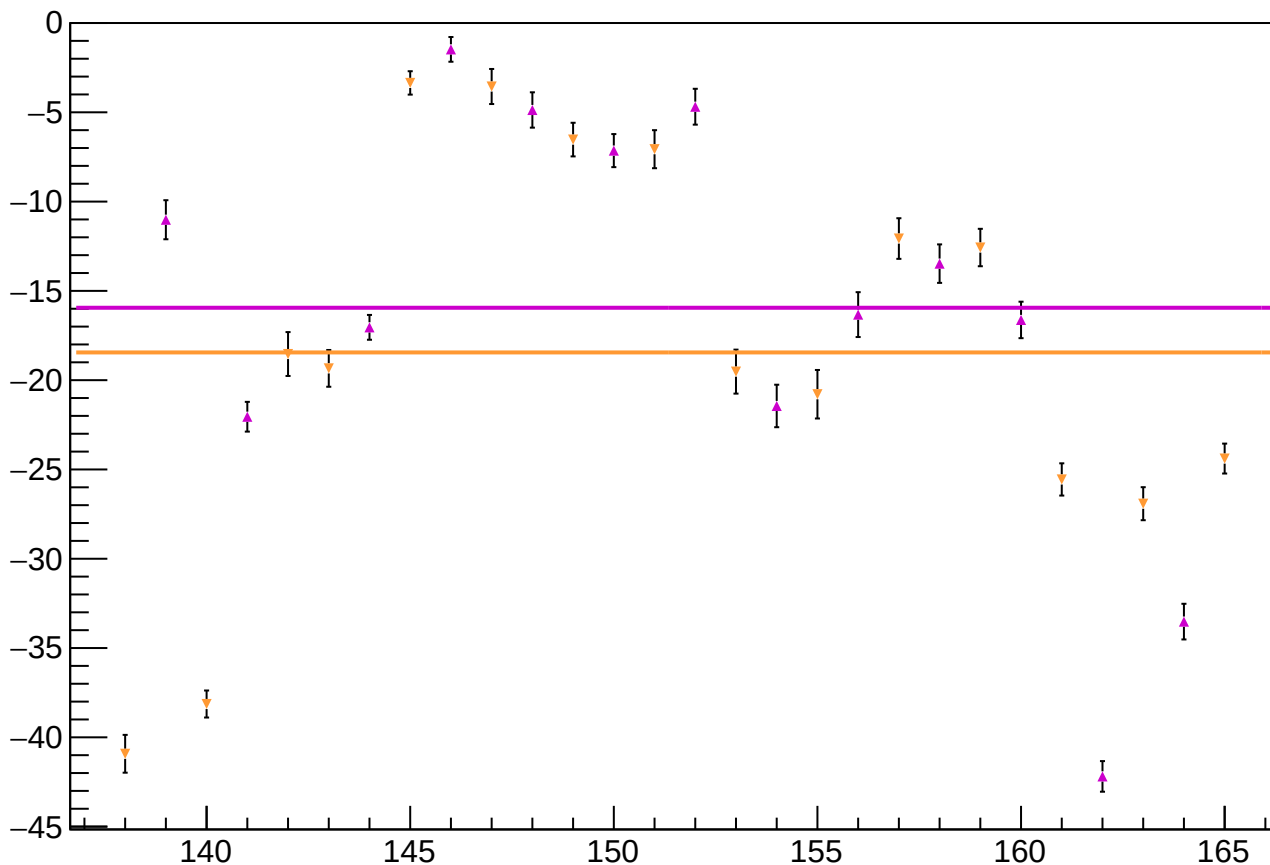
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -0.055 ± 0.008 χ^2/NDF : 717.7/14
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -0.098 ± 0.008 χ^2/NDF : 844.4/12

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: -0.076 ± 0.006 χ^2/NDF : 1576.5/27
 - sign 0.000 ± 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: -18.447+/-0.247 χ^2/NDF : 2426.8/14

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

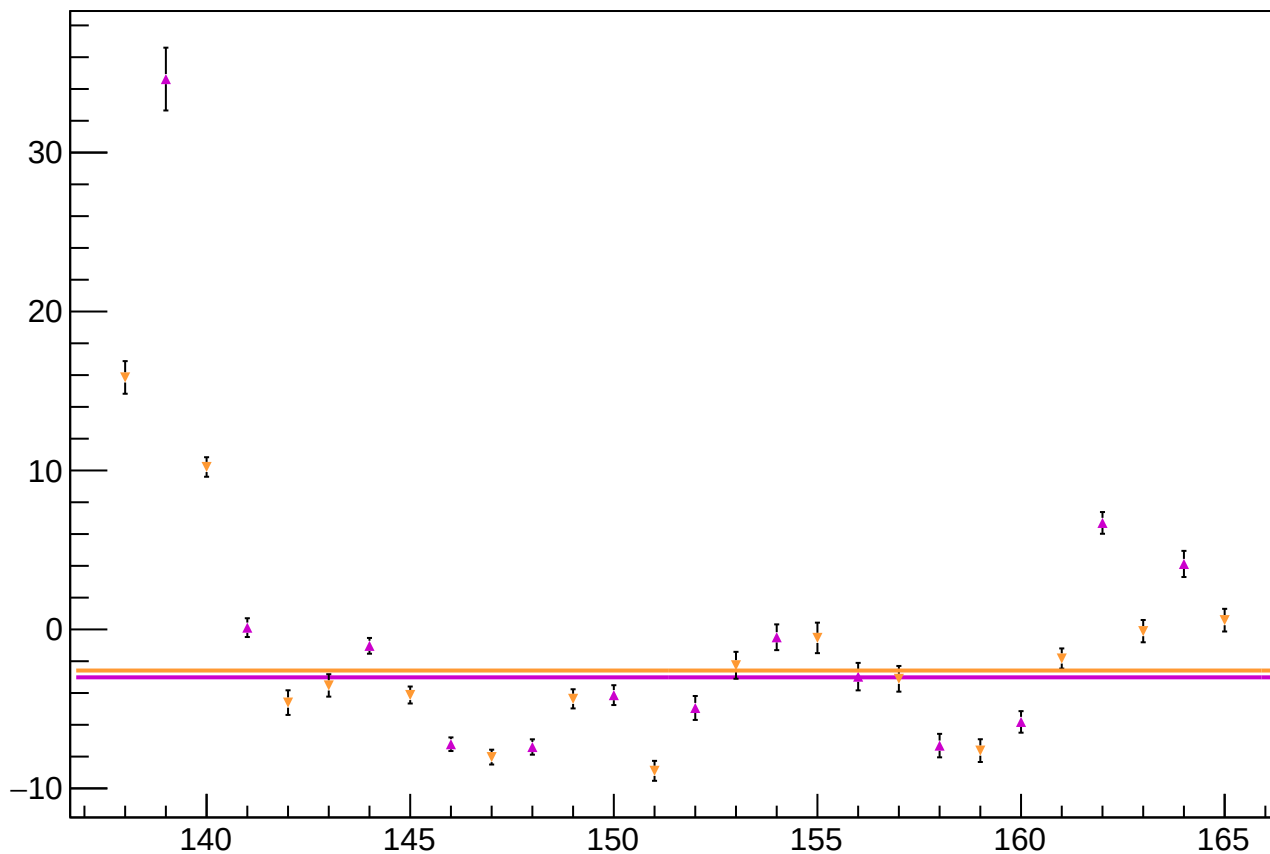
Left In: -15.945+/-0.257 χ^2/NDF : 2128.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.243+/-0.178 χ^2/NDF : 4604.9/27

- 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: -2.586+/-0.174 χ^2/NDF : 1107.9/14

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

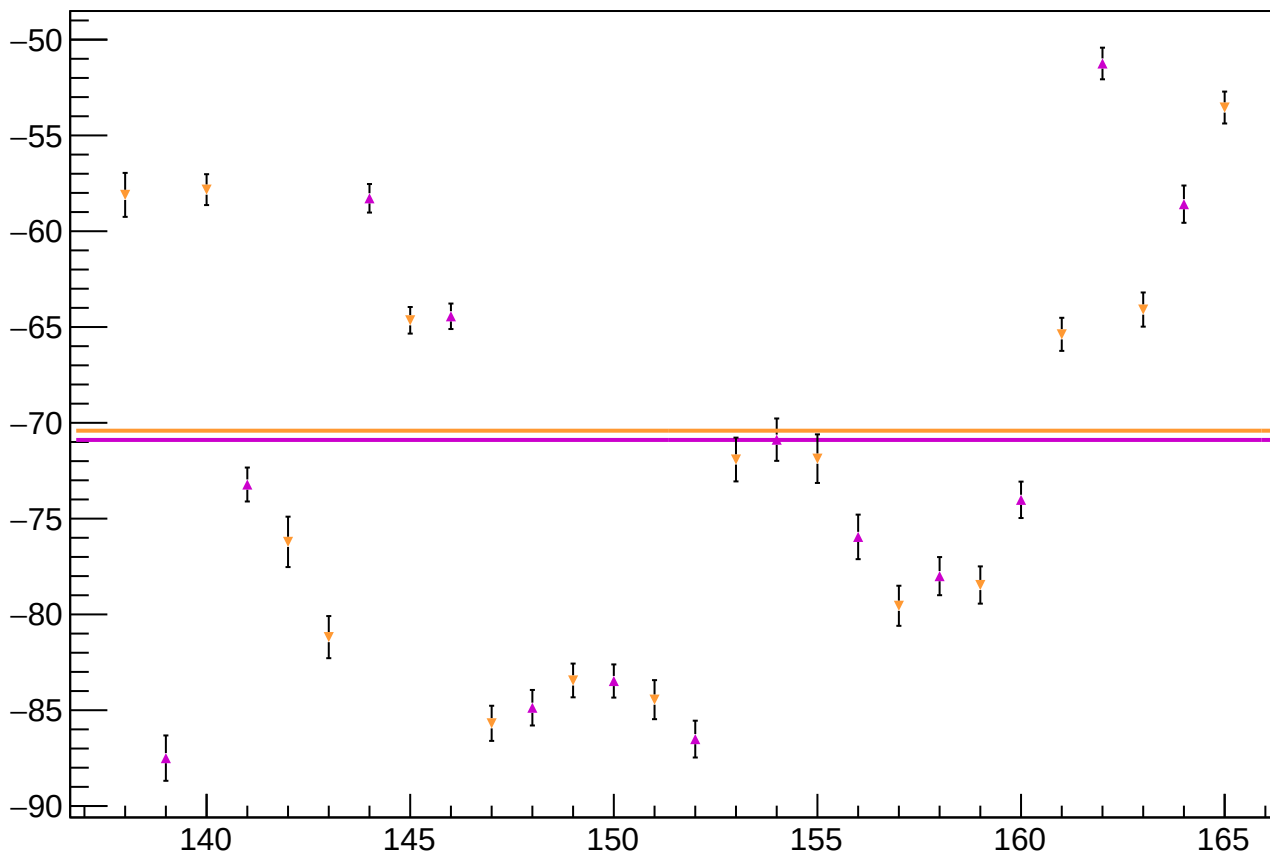
Left In: -3.014+/-0.178 χ^2/NDF : 933.3/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2.795+/-0.124 χ^2/NDF : 2044.2/27

- 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: -70.411+/-0.245 χ^2/NDF : 1872.6/14

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

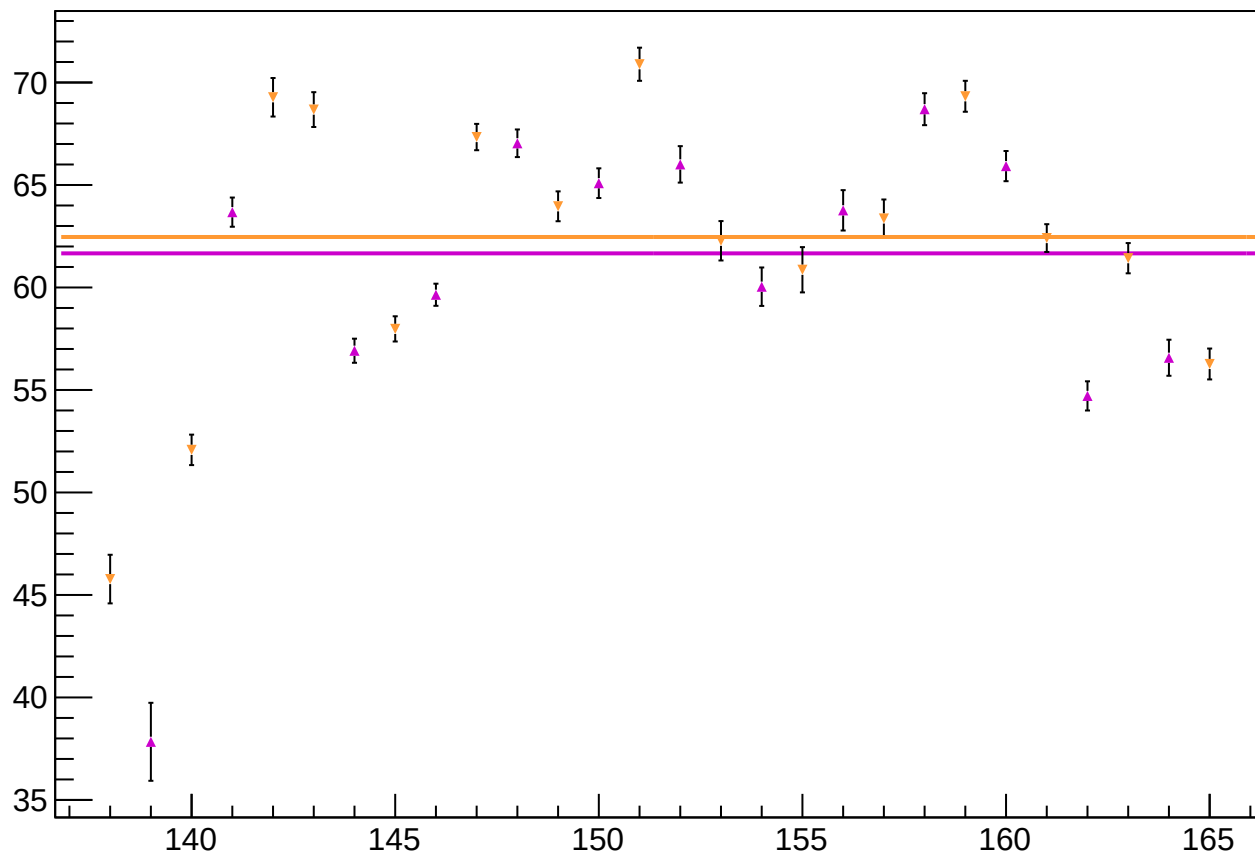
Left In: -70.893+/-0.251 χ^2/NDF : 2094.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -70.646+/-0.176 χ^2/NDF : 3968.7/27

- 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: 62.463 $\pm$ 0.204 χ^2 /NDF:878.6/14

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

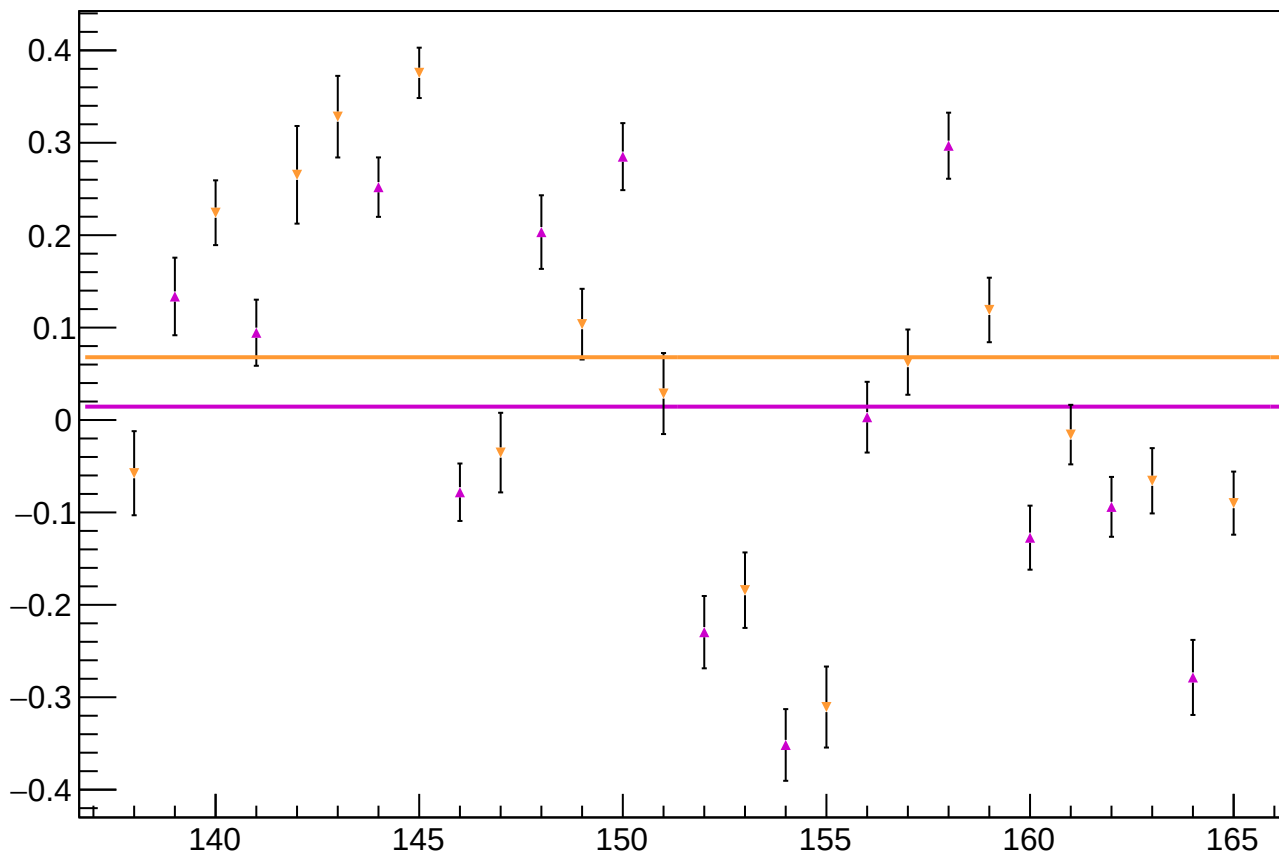
Left In: 61.664 $\pm$ 0.209 χ^2 /NDF:605.1/12

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

All: 62.074 $\pm$ 0.146 χ^2 /NDF: 1491.2/27

- 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: 0.068 $\pm$ 0.010 χ^2 /NDF:368.5/14

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

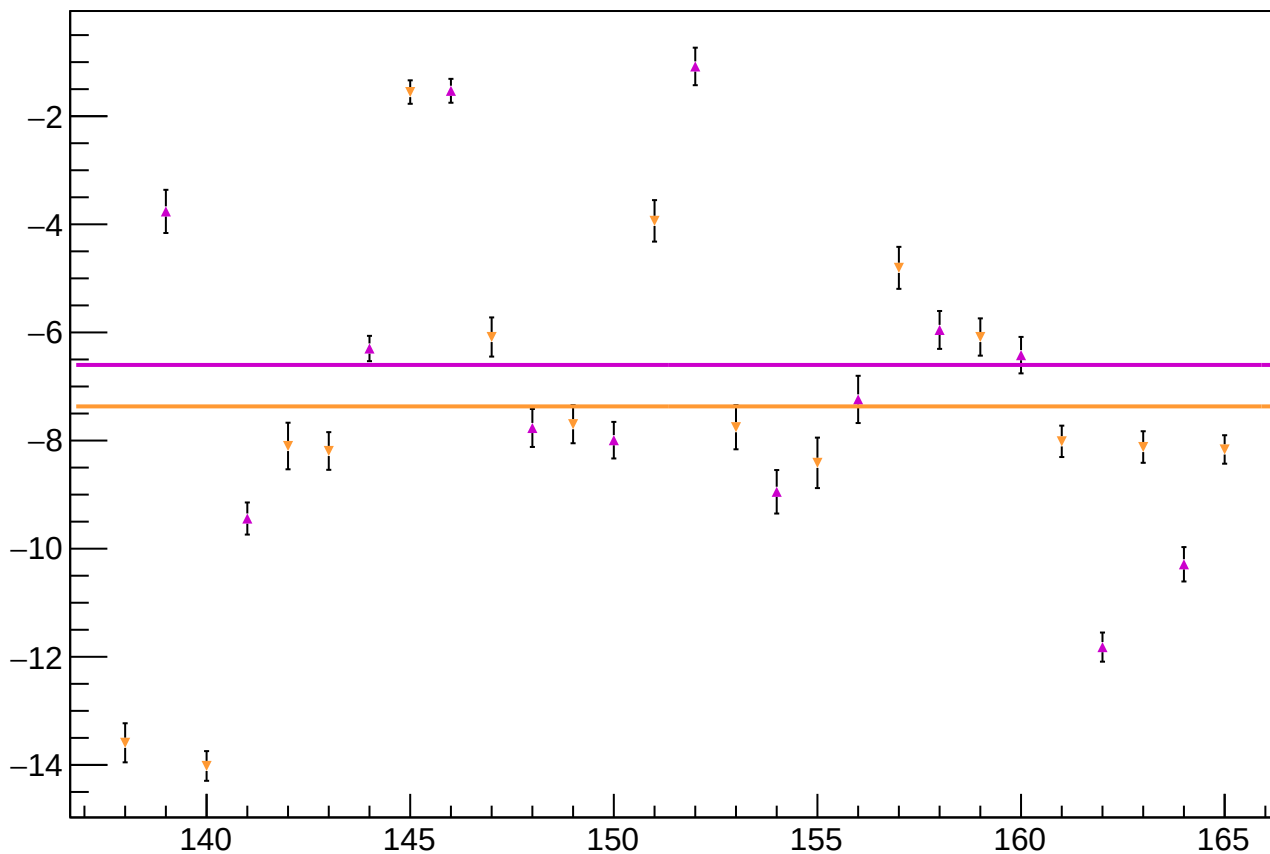
Left In: 0.014 $\pm$ 0.010 χ^2 /NDF:425.1/12

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

All: 0.042 $\pm$ 0.007 χ^2 /NDF: 808.2/27

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

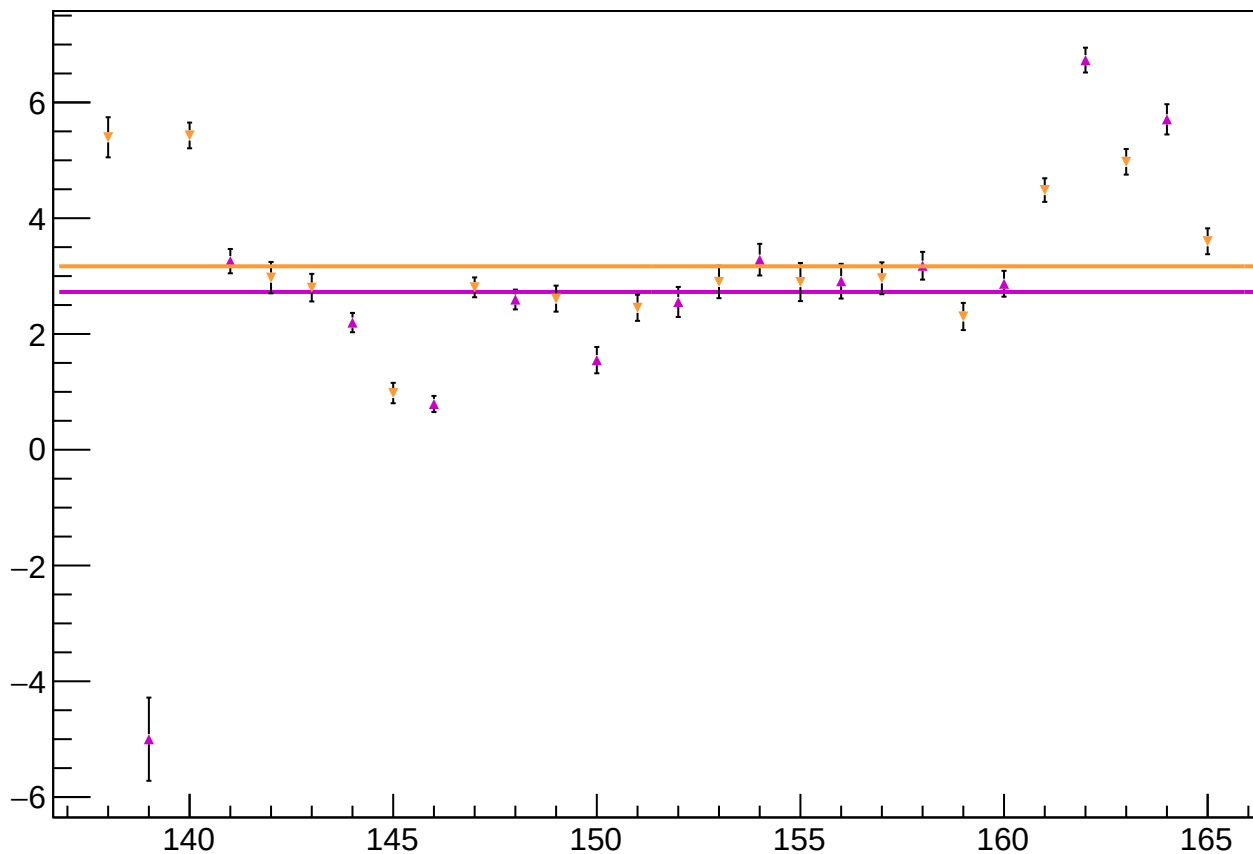
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.368+/-0.084 χ^2/NDF : 1786.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.601+/-0.087 χ^2/NDF : 1501.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -6.996+/-0.060 χ^2/NDF : 3328.3/27
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

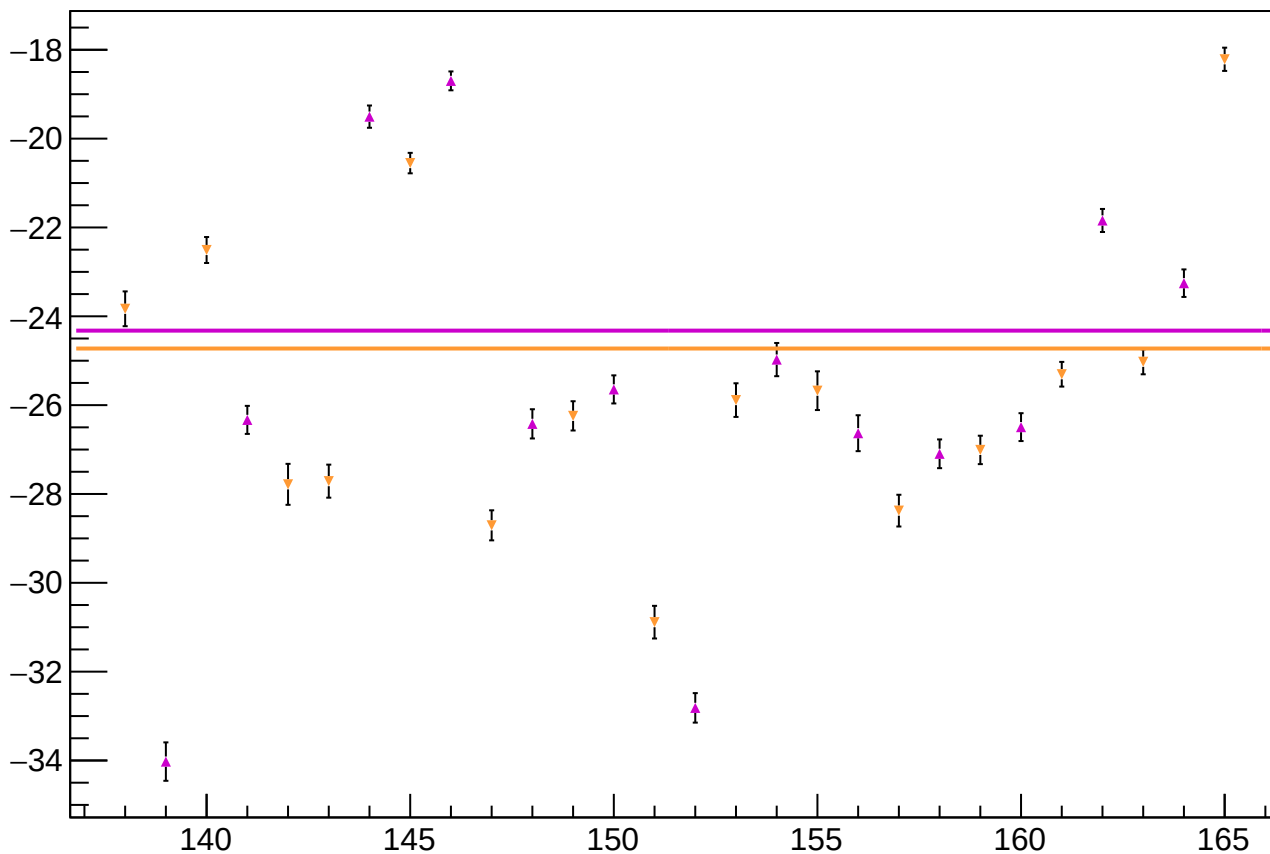
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.169 $\pm$ 0.059 χ^2 /NDF:450.5/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.726 $\pm$ 0.060 χ^2 /NDF:839.6/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 2.949 $\pm$ 0.042 χ^2 /NDF: 1317.7/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -24.726+/-0.083 χ^2/NDF : 1734.5/14

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

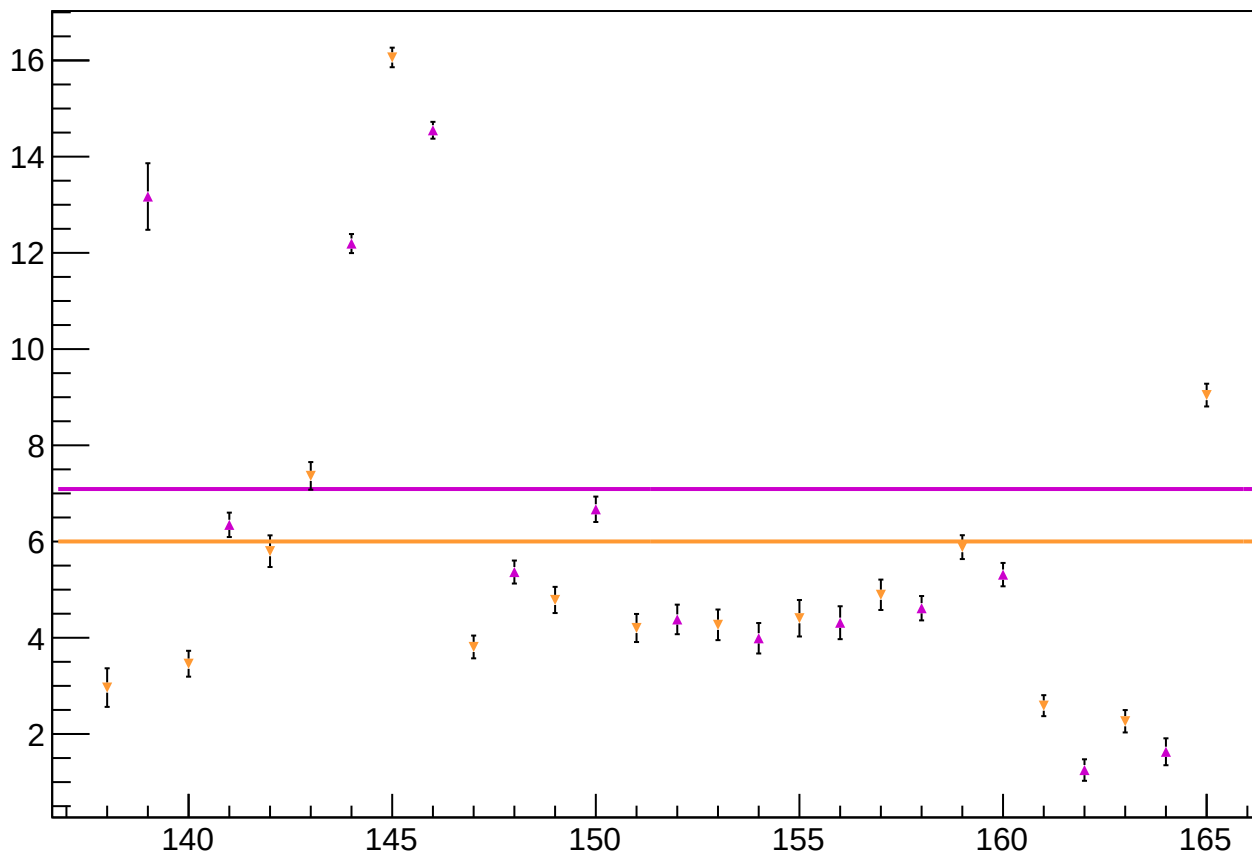
Left In: -24.323+/-0.085 χ^2/NDF : 2585.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -24.527+/-0.059 χ^2/NDF : 4331.2/27

- 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: 6.002+/-0.069 χ^2/NDF : 3492.4/14

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

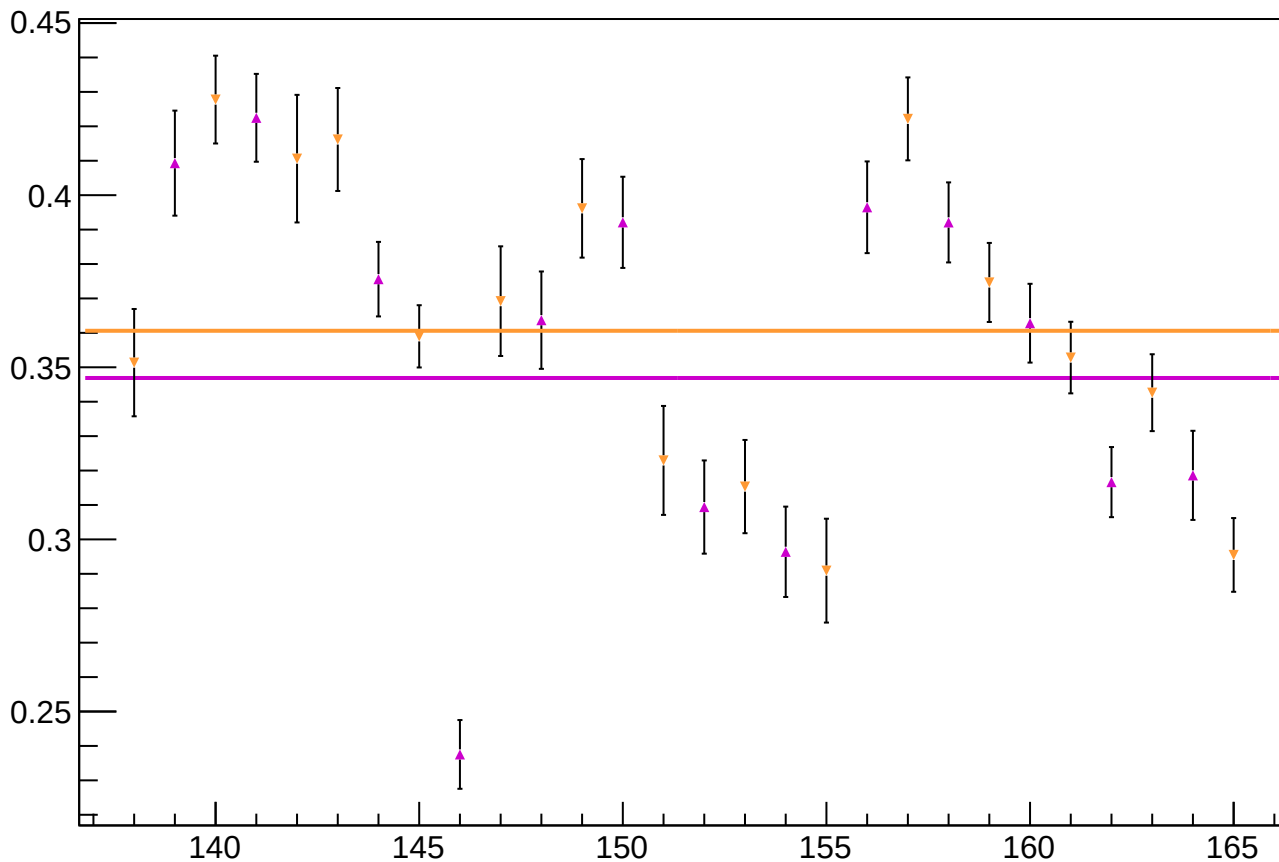
Left In: 7.091+/-0.070 χ^2/NDF : 4075.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 6.537+/-0.049 χ^2/NDF : 7690.0/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

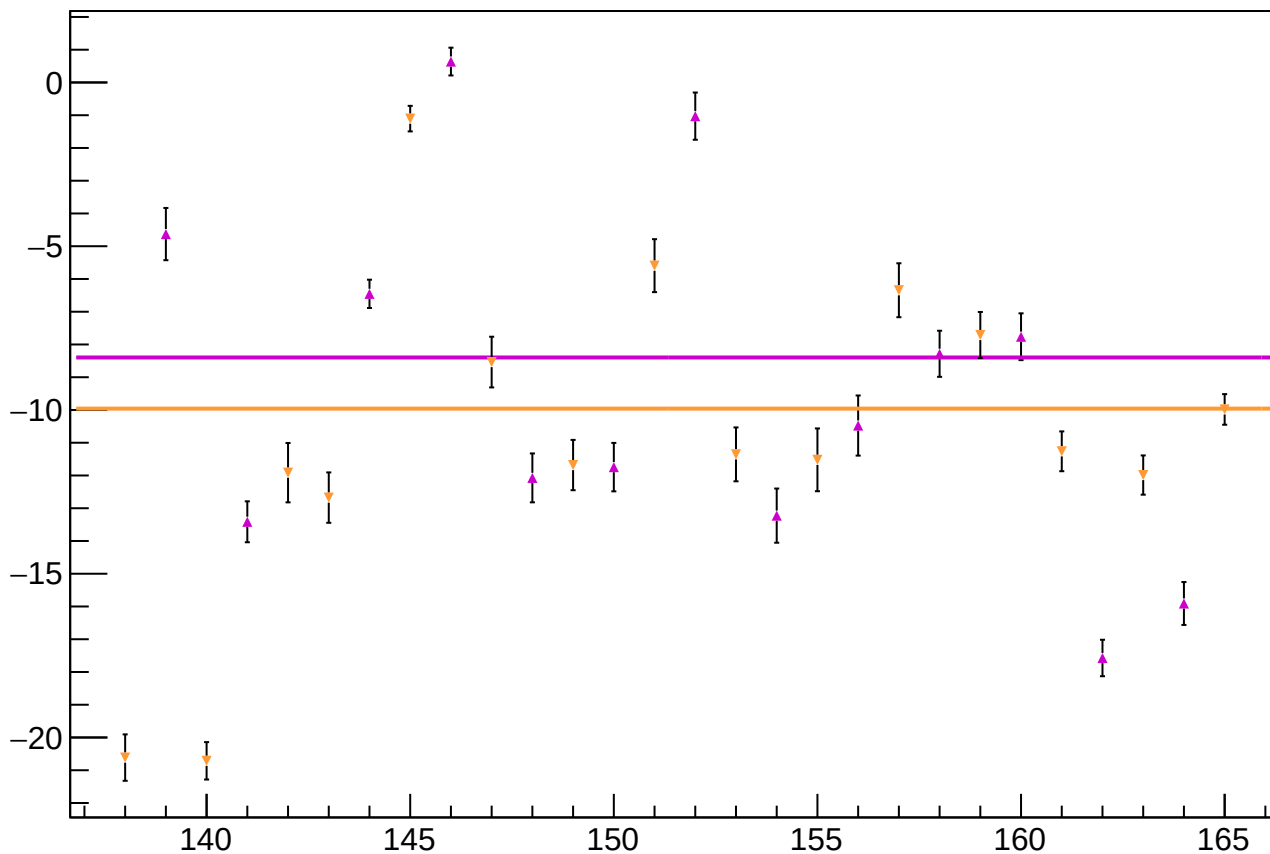
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.361 $\pm$ 0.003 χ^2 /NDF:161.5/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.347 $\pm$ 0.003 χ^2 /NDF:258.8/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.354 $\pm$ 0.002 χ^2 /NDF: 428.8/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

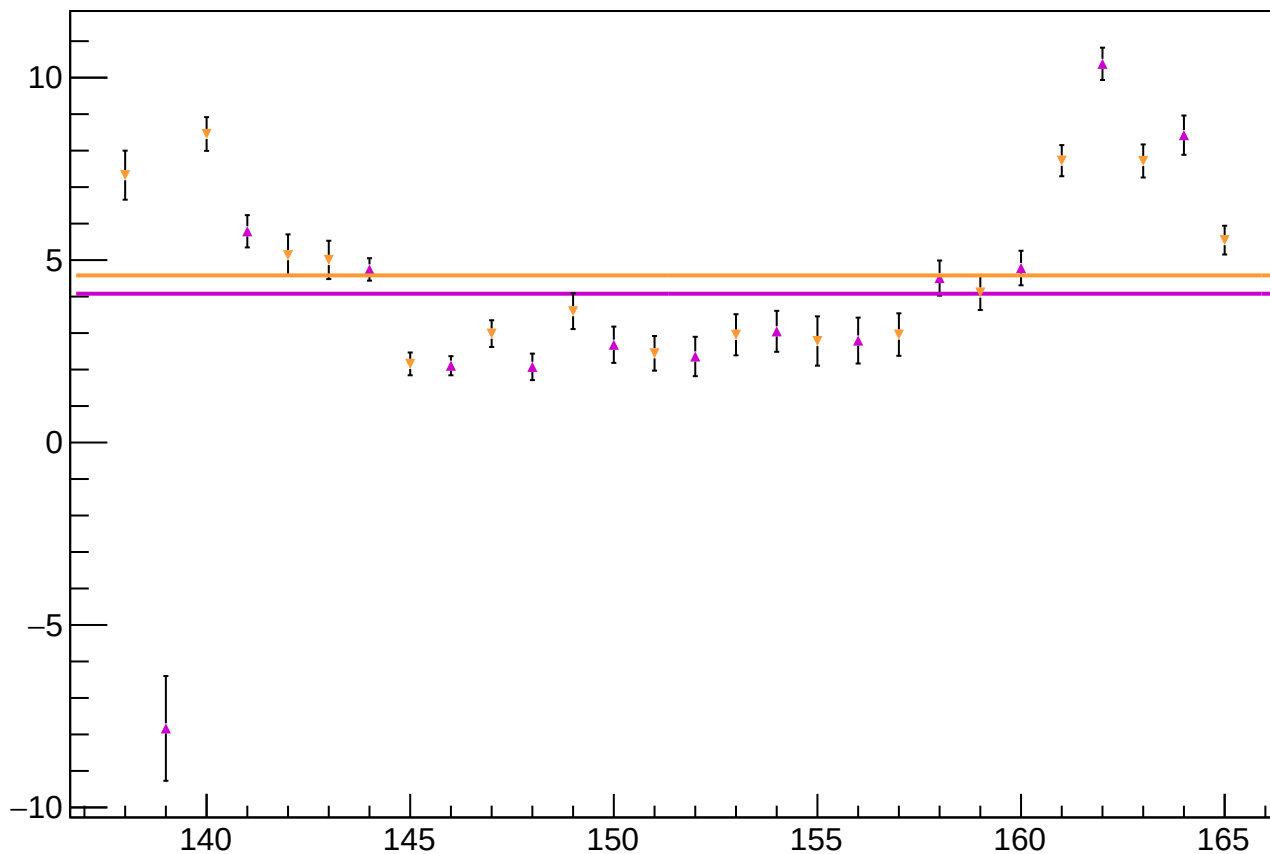
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -9.958 ± 0.168 χ^2/NDF : 1201.3/14
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -8.397 ± 0.175 χ^2/NDF : 1153.0/12

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: -9.209 ± 0.121 χ^2/NDF : 2395.9/27
 - sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

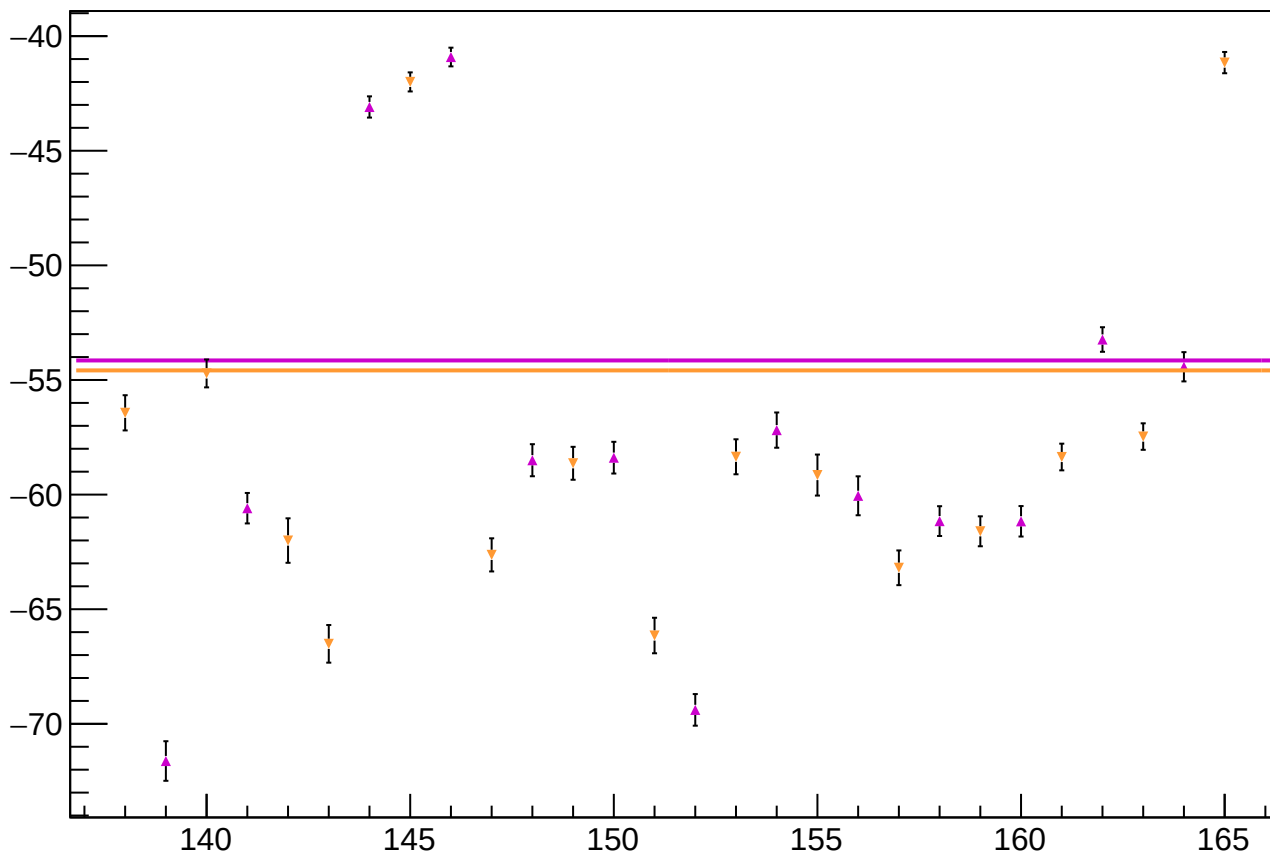
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.581 $\pm$ 0.120 χ^2 /NDF:324.6/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.079 $\pm$ 0.121 χ^2 /NDF:471.7/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 4.331 $\pm$ 0.085 χ^2 /NDF: 805.0/27
 - 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: -54.582+/-0.167 χ^2/NDF : 2768.7/14

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

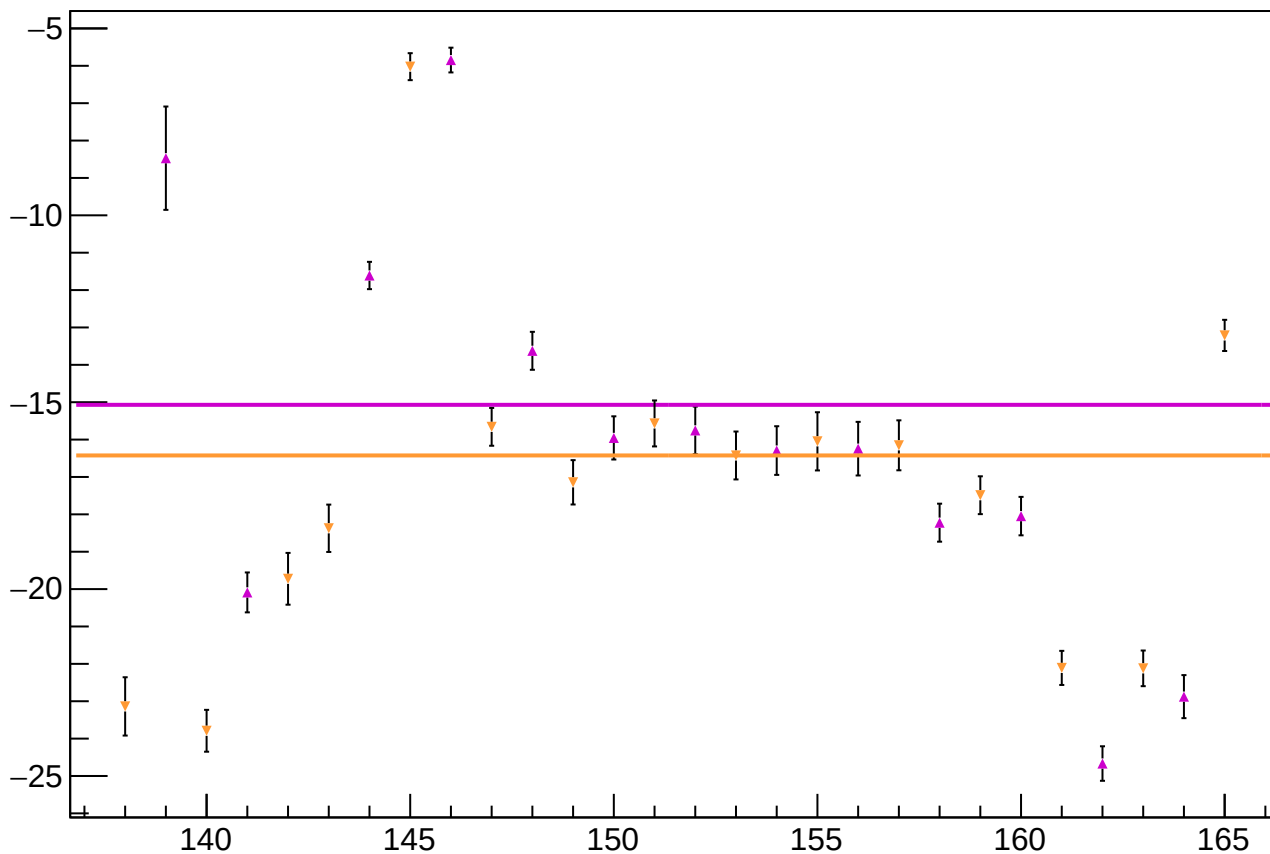
Left In: -54.147+/-0.171 χ^2/NDF : 2987.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -54.370+/-0.119 χ^2/NDF : 5759.0/27

- 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: -16.424 ± 0.139 χ^2/NDF : 1477.9/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

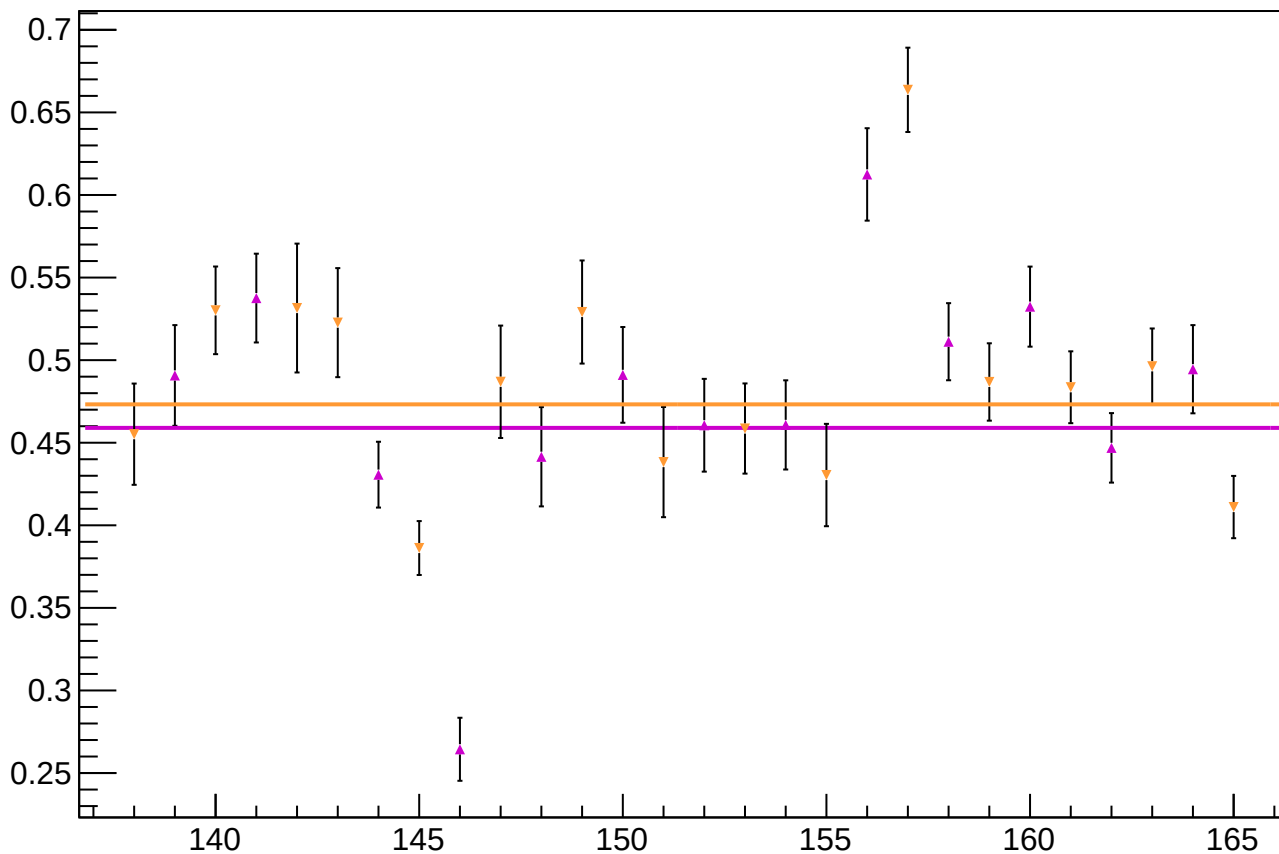
Left In: -15.070 ± 0.142 χ^2/NDF : 1682.2/12

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -15.761 ± 0.099 χ^2/NDF : 3206.5/27

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.473+/-0.007 χ^2/NDF :112.6/14

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

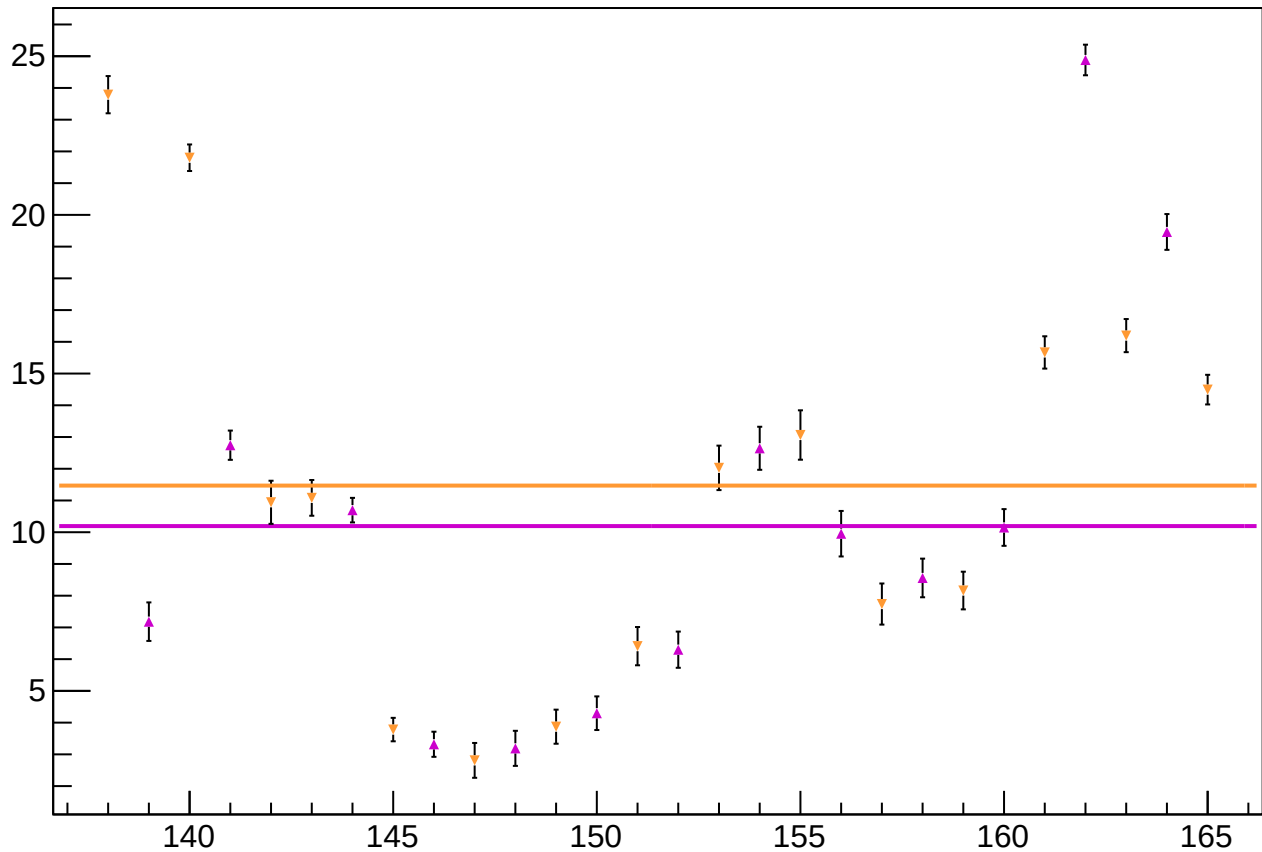
Left In: 0.459+/-0.007 χ^2/NDF :163.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.466+/-0.005 χ^2/NDF : 278.4/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 11.470 $\pm$ 0.139 χ^2 /NDF:2265.3/14

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

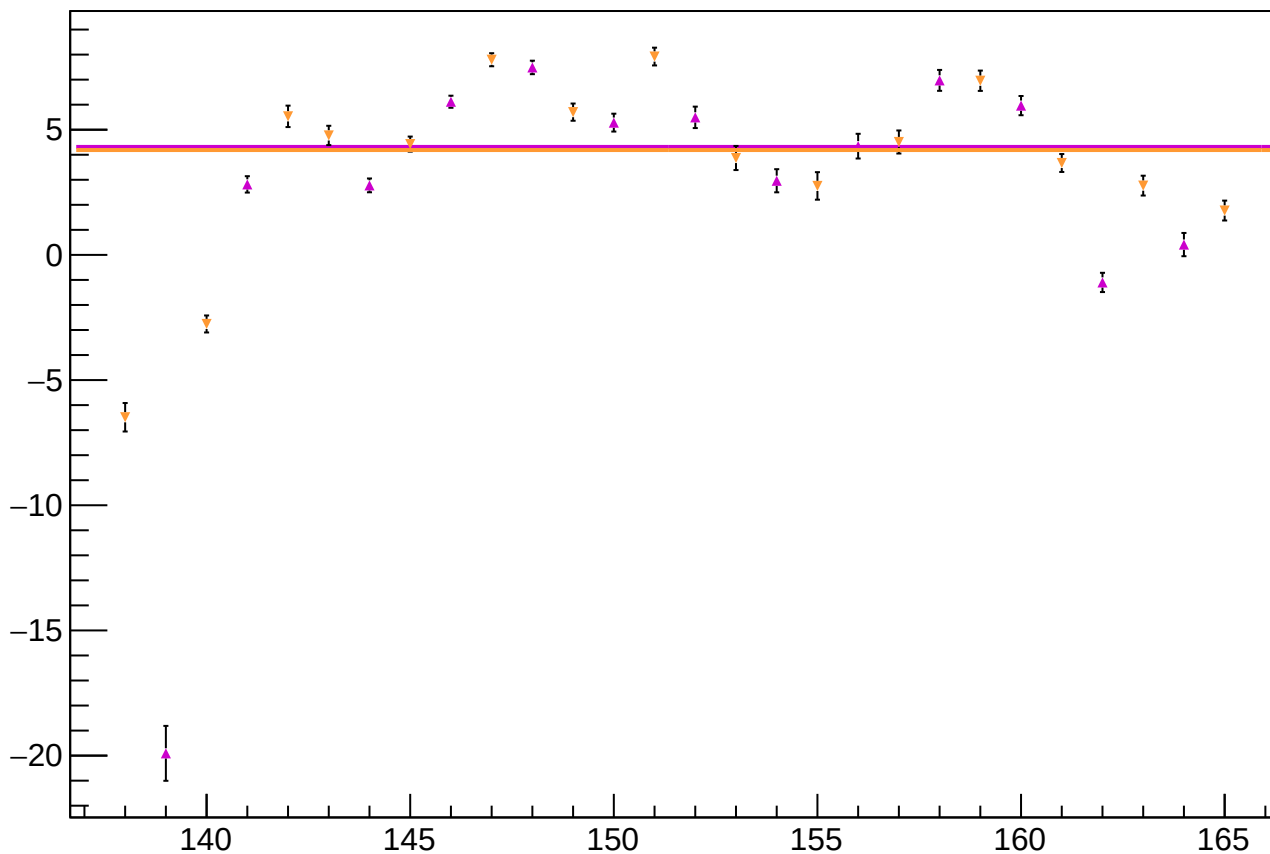
Left In: 10.193 $\pm$ 0.145 χ^2 /NDF:1908.3/12

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

All: 10.858 $\pm$ 0.100 χ^2 /NDF: 4214.0/27

- sign 0.000 $\pm$ 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: 4.188 $\pm$ 0.098 χ^2 /NDF:1210.7/14

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

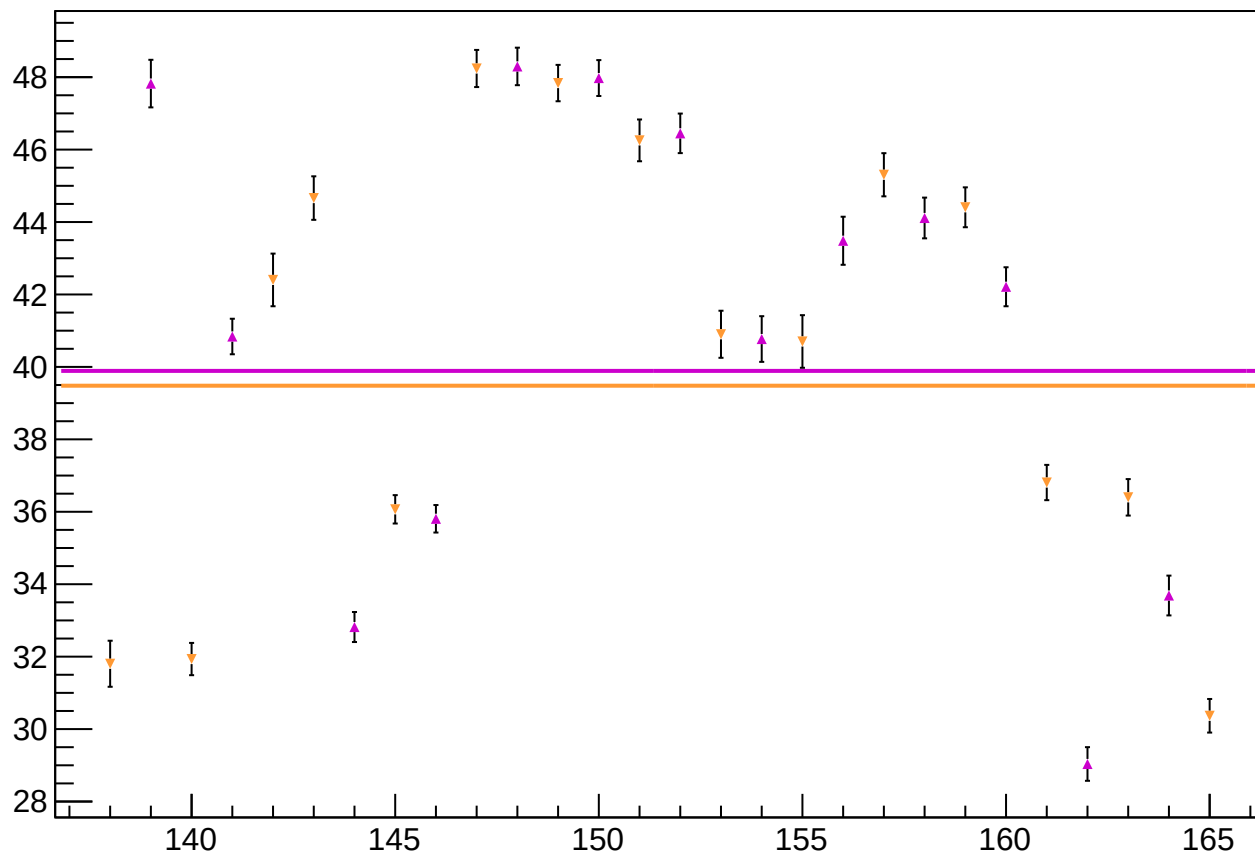
Left In: 4.313 $\pm$ 0.100 χ^2 /NDF:1085.9/12

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

All: 4.249 $\pm$ 0.070 χ^2 /NDF: 2297.4/27

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

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 39.481 $\pm$ 0.138 χ^2 /NDF:1942.6/14

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

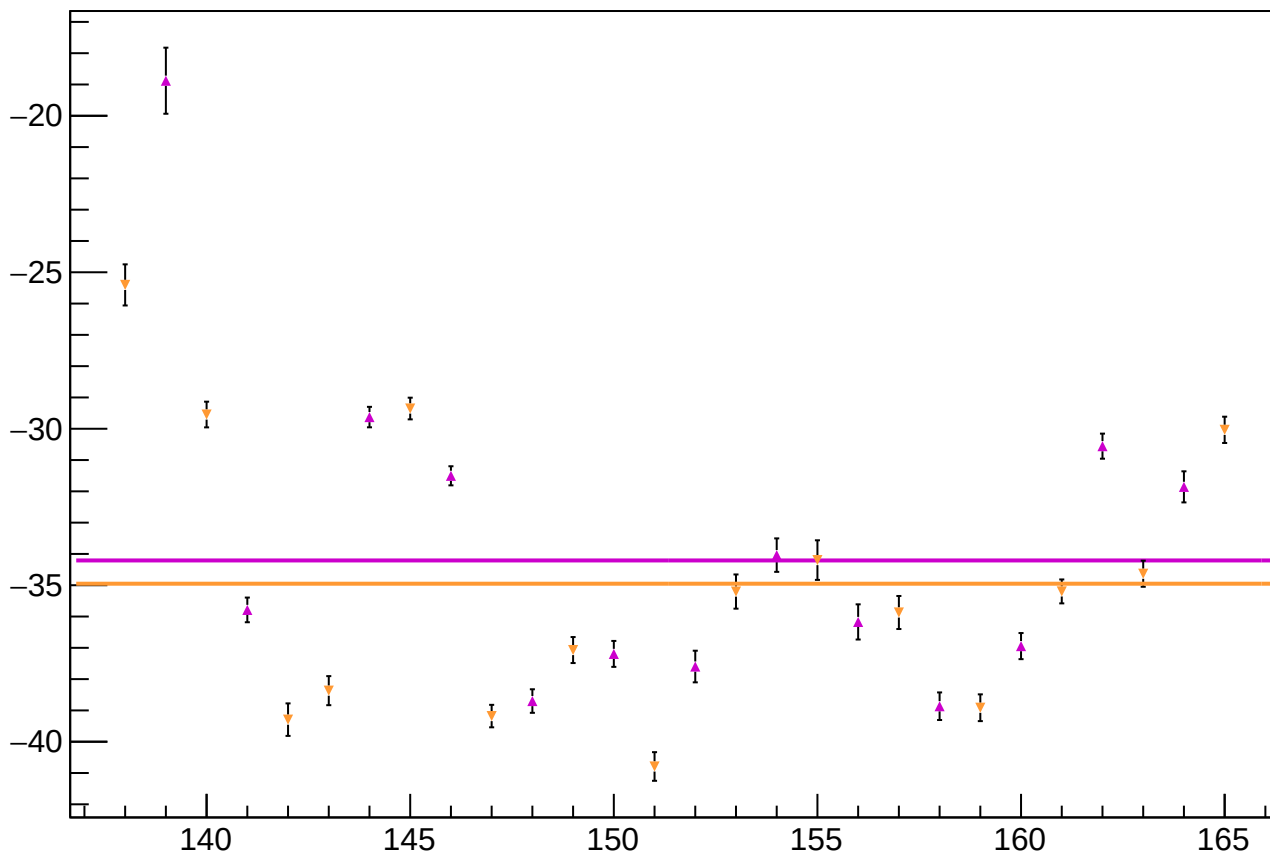
Left In: 39.890 $\pm$ 0.142 χ^2 /NDF:2010.1/12

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

All: 39.680 $\pm$ 0.099 χ^2 /NDF: 3957.0/27

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

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -34.951+/-0.114 χ^2/NDF :1326.0/14

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

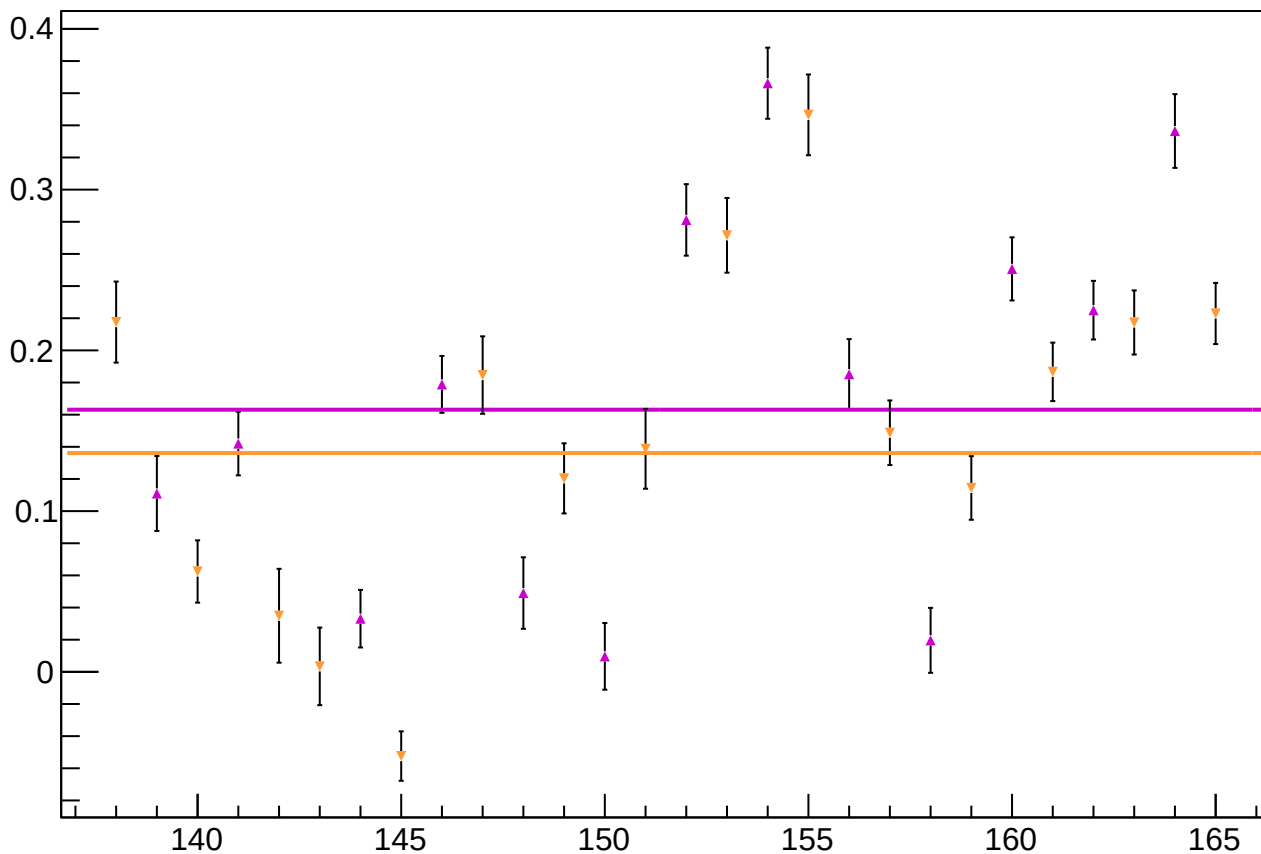
Left In: -34.208+/-0.118 χ^2/NDF :1013.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -34.591+/-0.082 χ^2/NDF : 2360.0/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

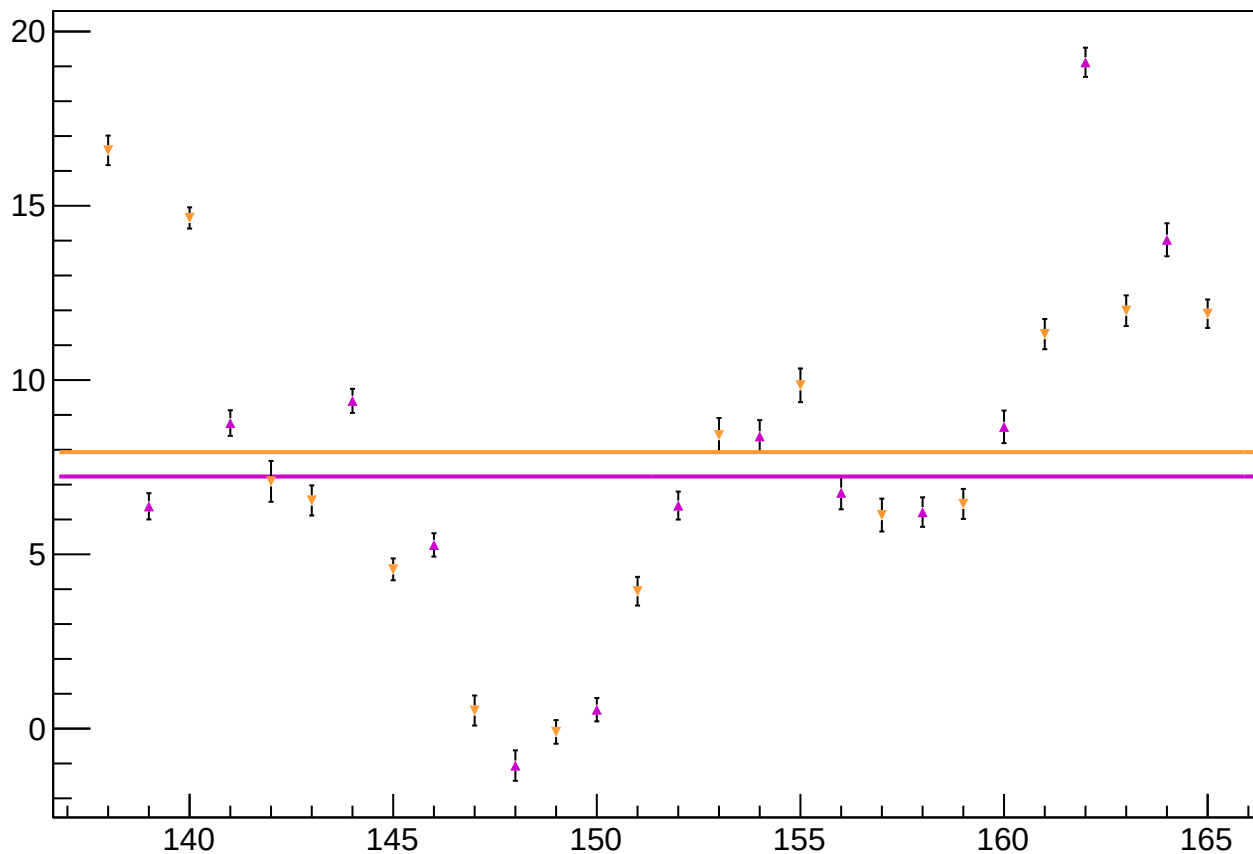
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.136+/-0.005 χ^2/NDF : 372.9/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.163+/-0.006 χ^2/NDF : 393.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.149+/-0.004 χ^2/NDF : 777.7/27
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

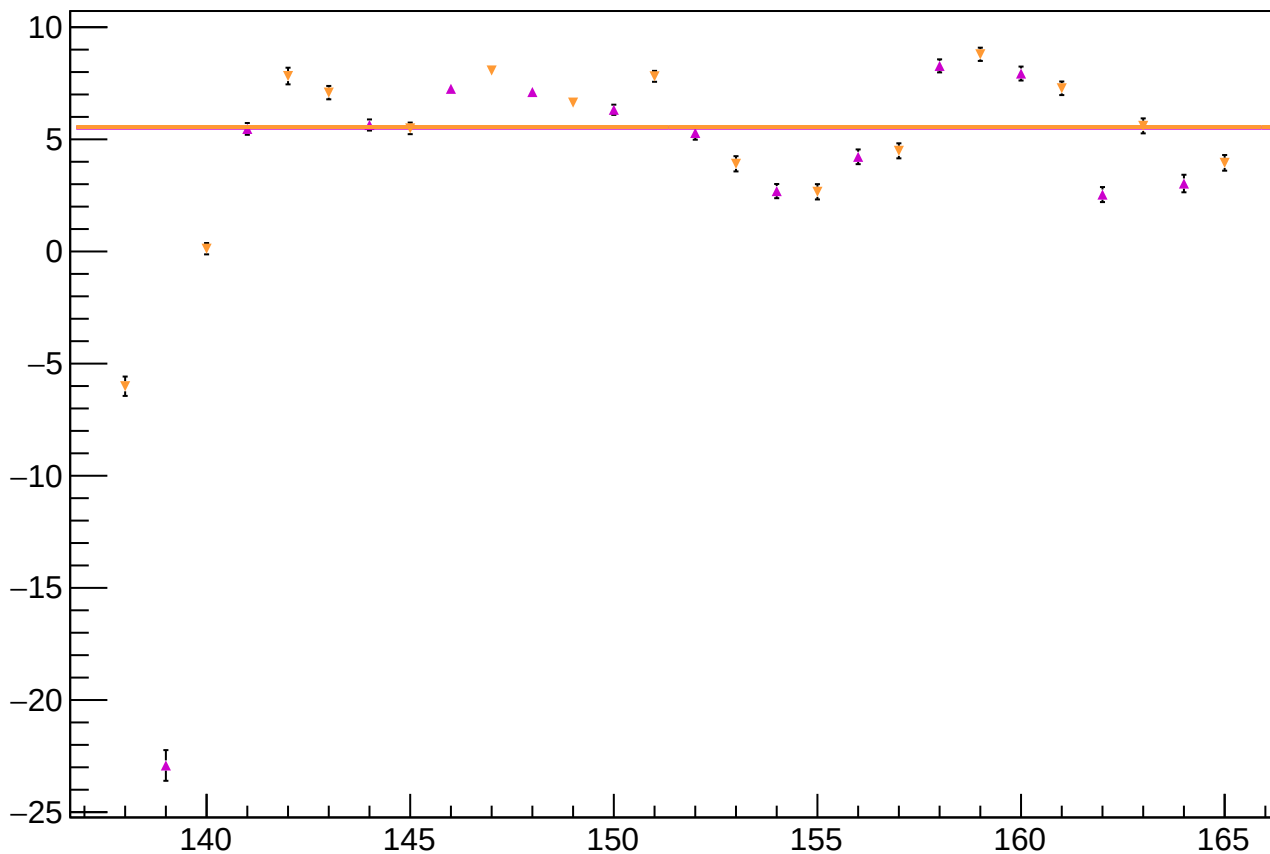
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.931+/-0.106 χ^2/NDF :2263.1/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.233+/-0.111 χ^2/NDF :1891.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 7.598+/-0.076 χ^2/NDF : 4175.5/27
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

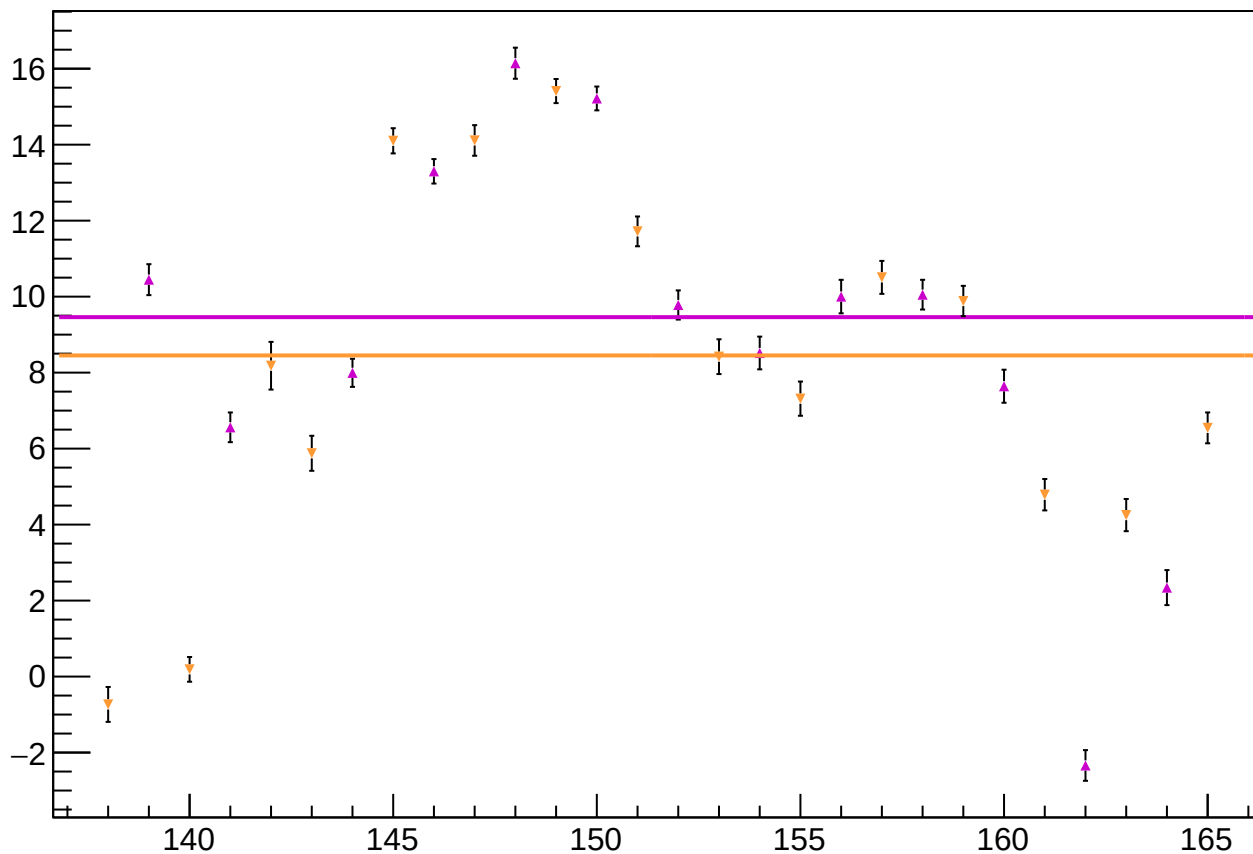
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.549 $\pm$ 0.074 χ^2 /NDF:1779.4/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.519 $\pm$ 0.078 χ^2 /NDF:2224.8/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 5.535 $\pm$ 0.054 χ^2 /NDF: 4004.3/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

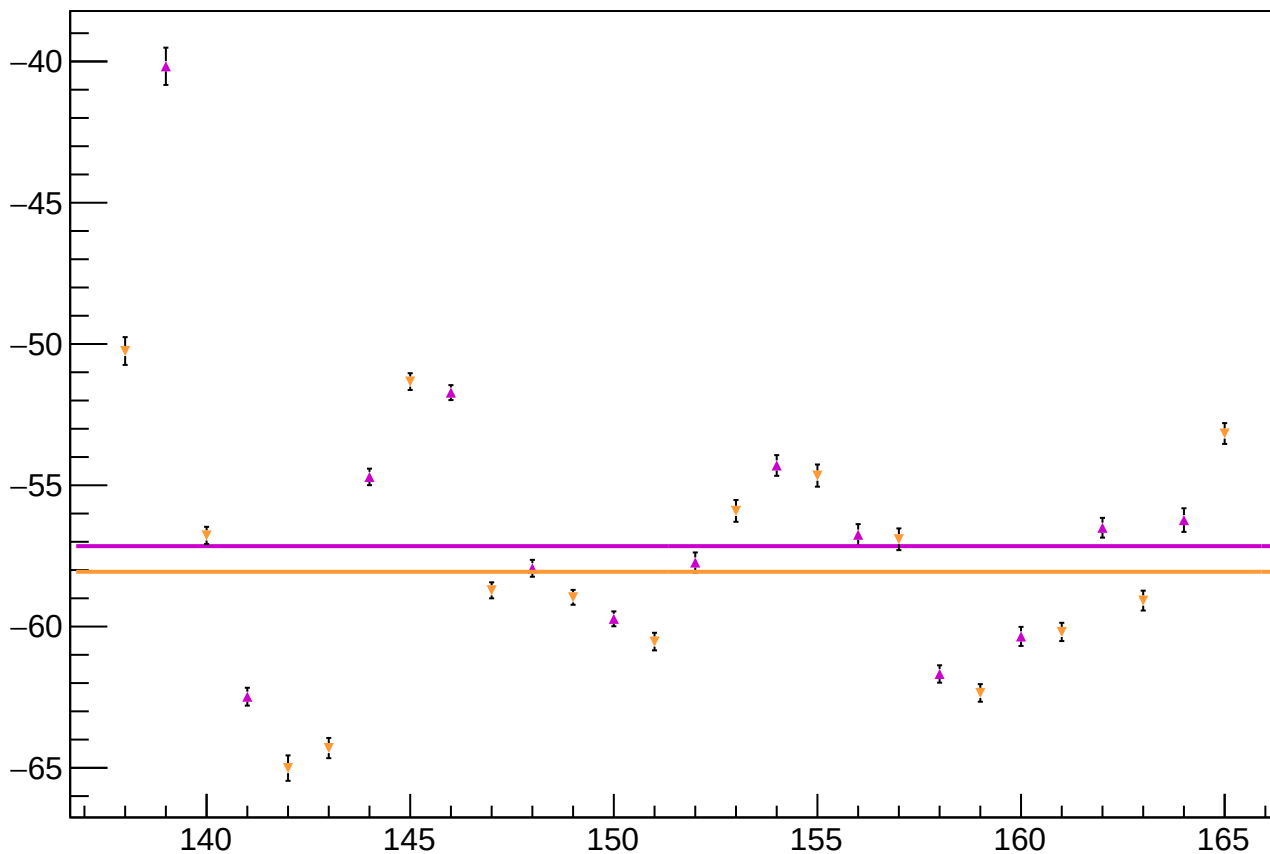
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.452 $\pm$ 0.104 χ^2 /NDF:2355.4/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 9.460 $\pm$ 0.108 χ^2 /NDF:1941.7/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 8.939 $\pm$ 0.075 χ^2 /NDF: 4342.2/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -58.061+/-0.087 χ^2/NDF :1940.0/14

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

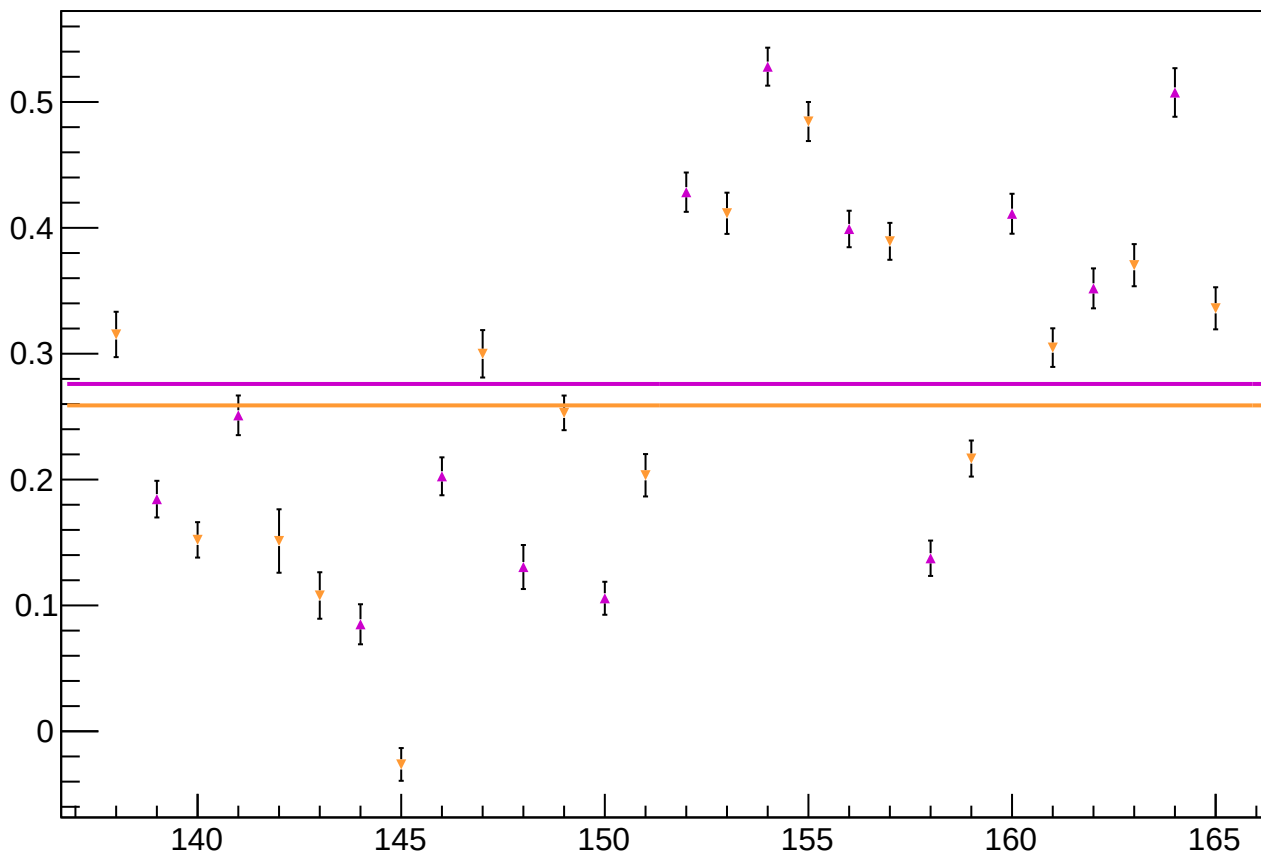
Left In: -57.153+/-0.091 χ^2/NDF :1920.3/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -57.629+/-0.063 χ^2/NDF : 3911.9/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

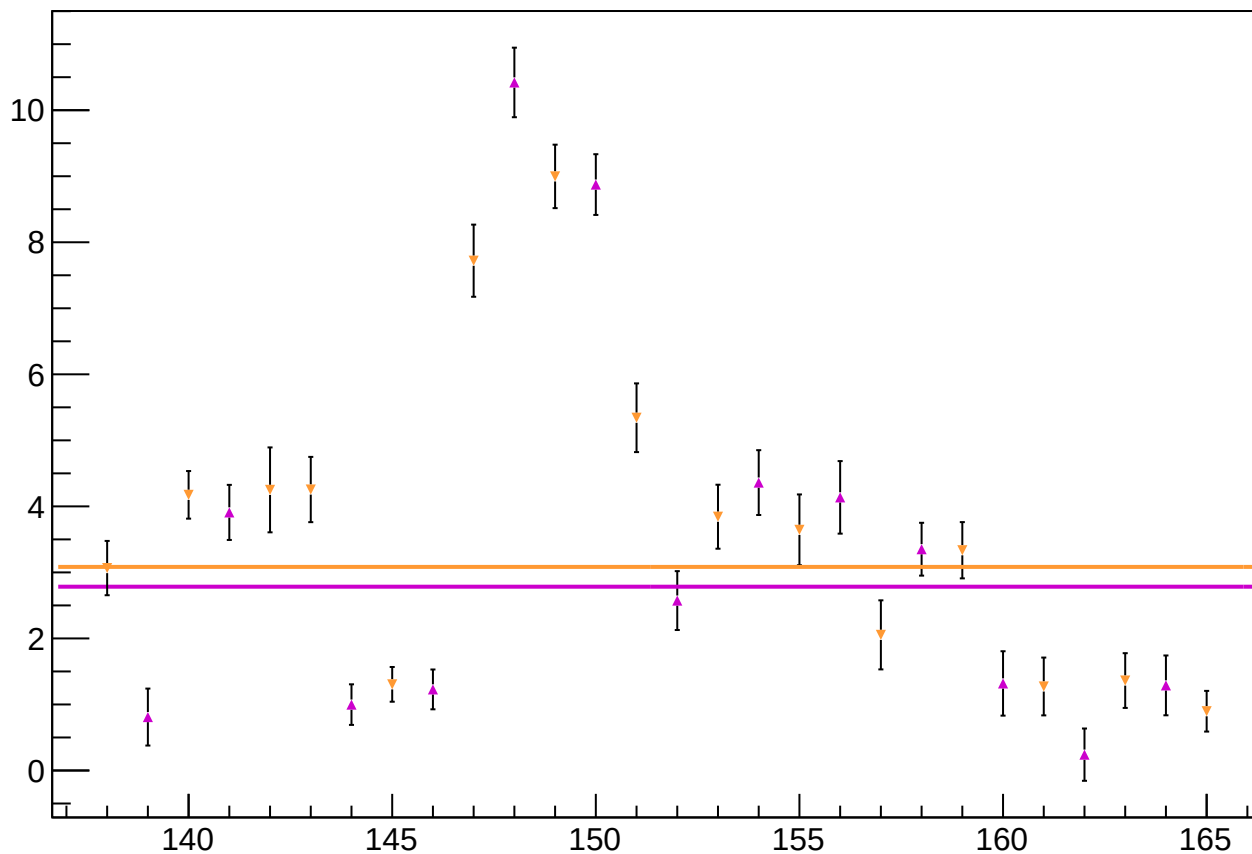
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.259 $\pm$ 0.004 χ^2 /NDF:1109.4/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.276 $\pm$ 0.004 χ^2 /NDF:1230.6/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.267 $\pm$ 0.003 χ^2 /NDF: 2348.2/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

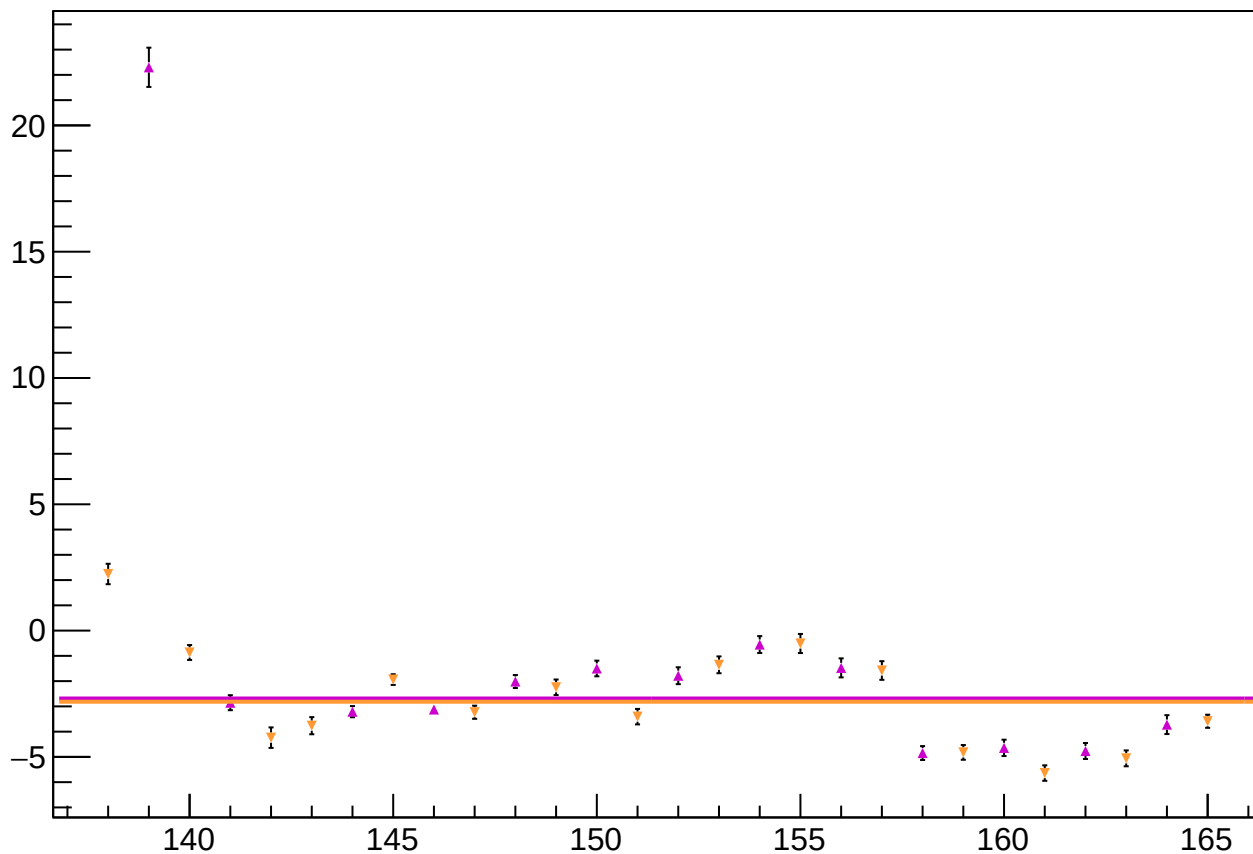
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.083 $\pm$ 0.109 χ^2 /NDF:398.6/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.784 $\pm$ 0.115 χ^2 /NDF:554.0/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 2.942 $\pm$ 0.079 χ^2 /NDF: 956.2/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



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

Left Out: -2.816+/-0.079 χ^2/NDF : 507.3/14

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

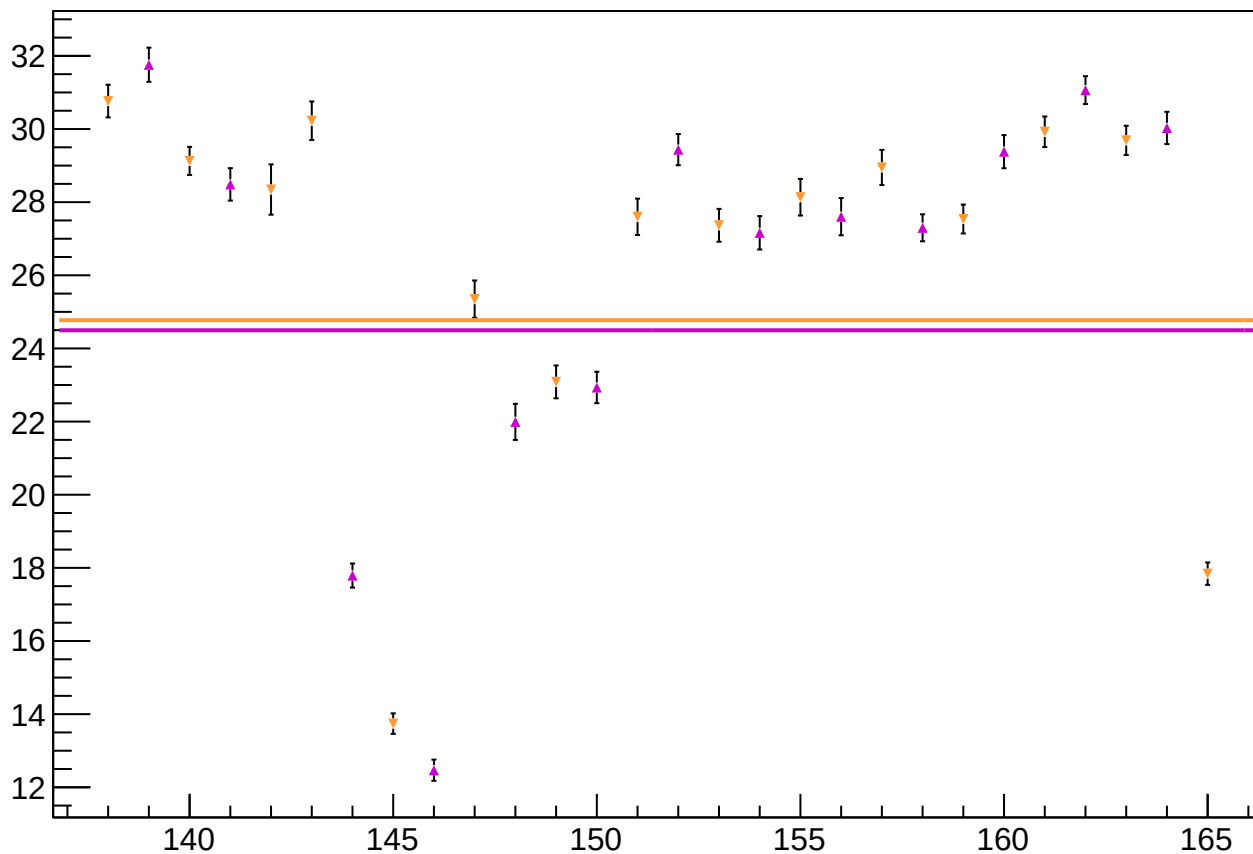
Left In: -2.688+/-0.081 χ^2/NDF : 1274.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2.754+/-0.057 χ^2/NDF : 1782.6/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 24.773+/-0.108 χ^2/NDF : 3057.7/14

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

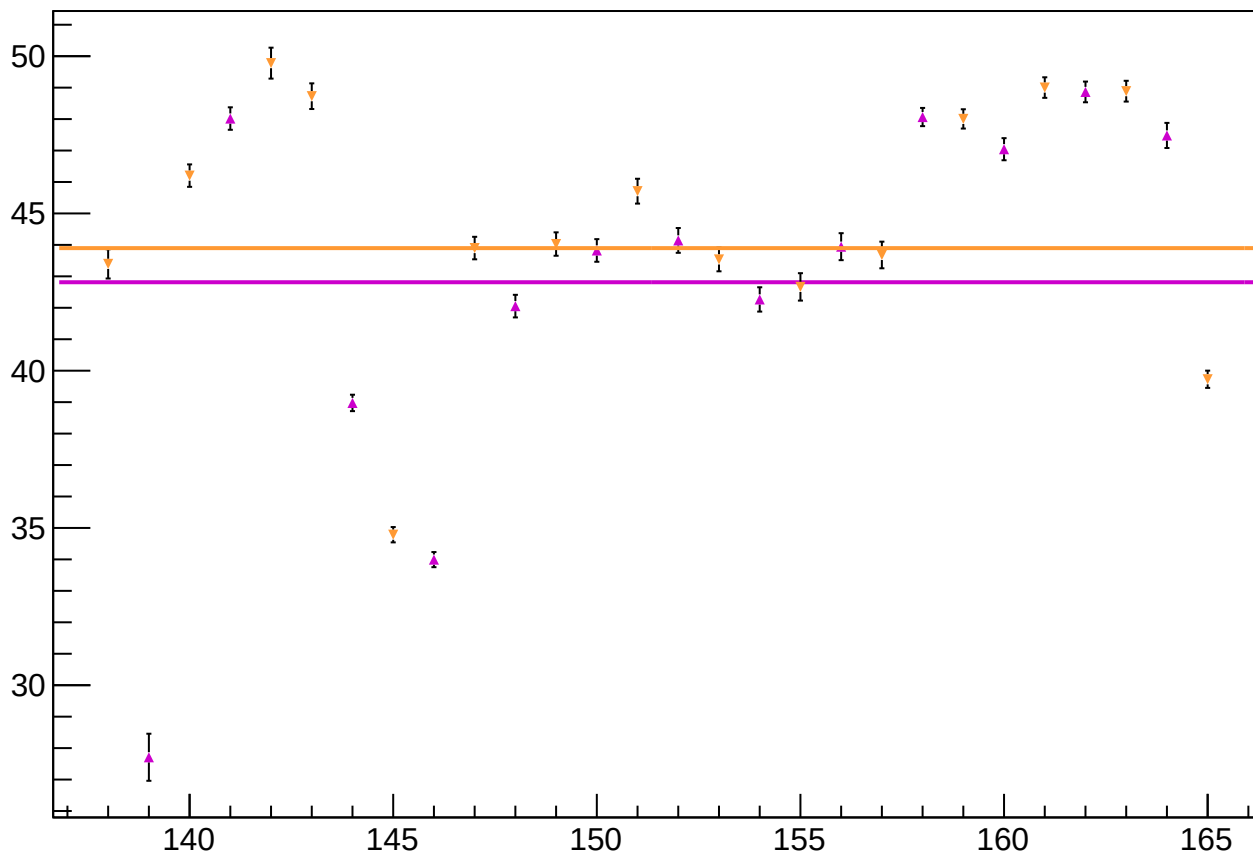
Left In: 24.497+/-0.113 χ^2/NDF : 3328.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 24.641+/-0.078 χ^2/NDF : 6389.5/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

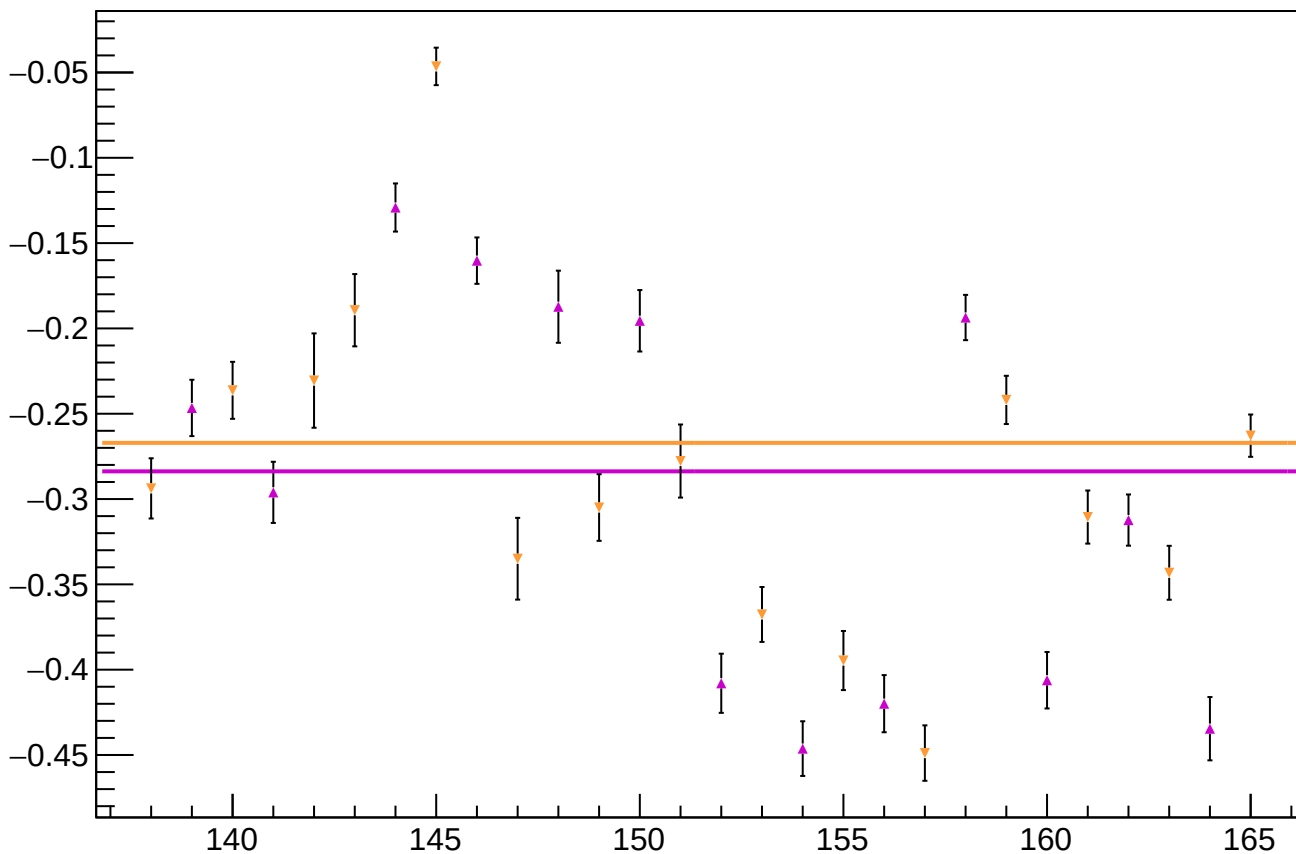
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 43.897+/-0.091 χ^2/NDF : 2633.9/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 42.812+/-0.095 χ^2/NDF : 3160.7/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 43.378+/-0.066 χ^2/NDF : 5862.8/27
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

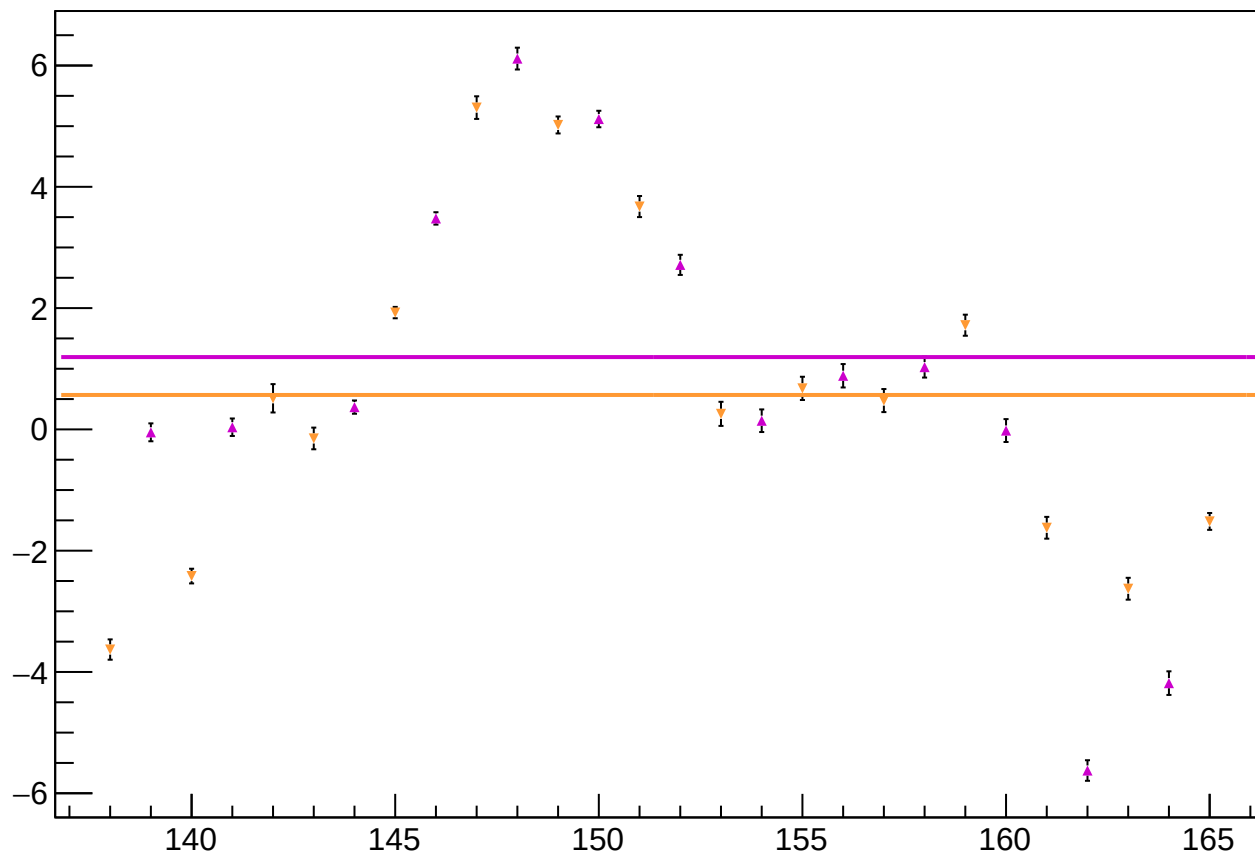
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.267 $\pm$ 0.004 χ^2 /NDF:689.2/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.284 $\pm$ 0.004 χ^2 /NDF:643.8/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.275 $\pm$ 0.003 χ^2 /NDF: 1340.4/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

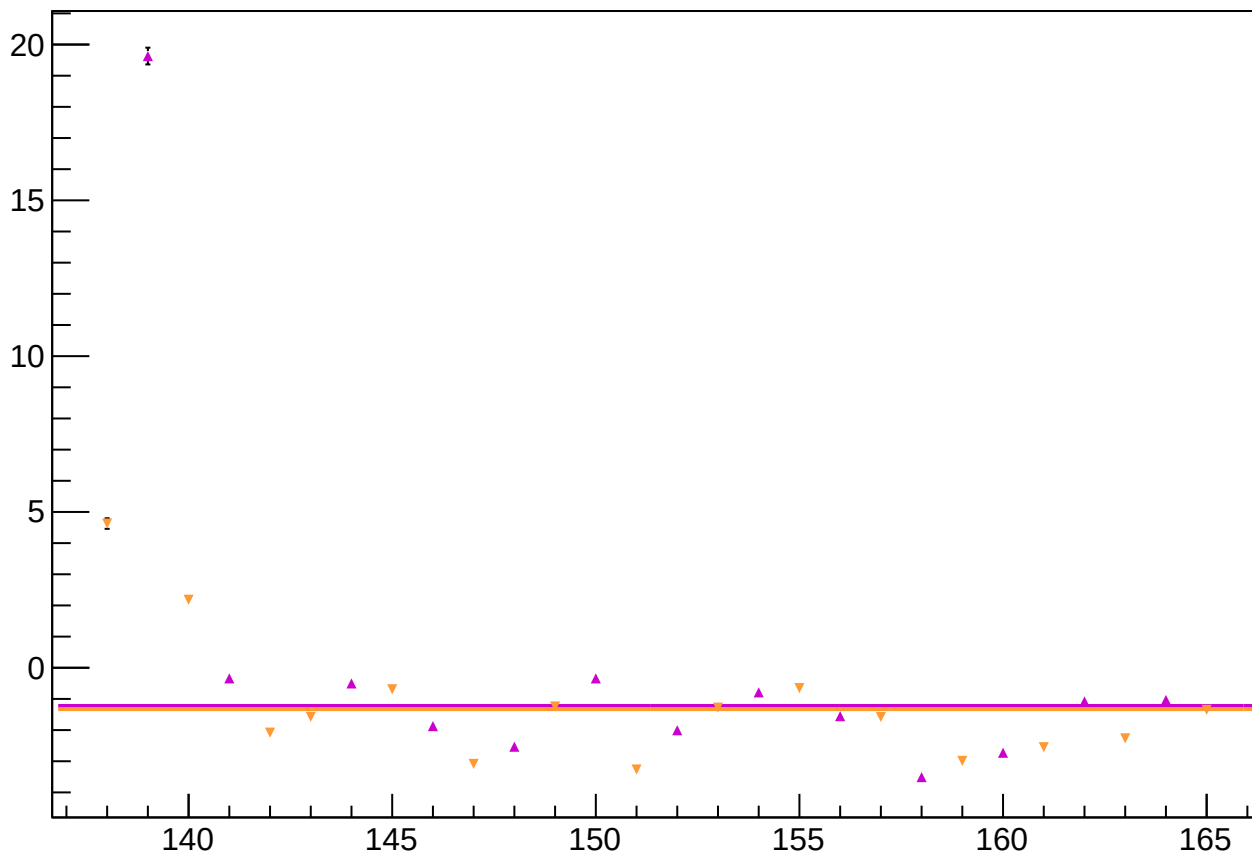
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.568 $\pm$ 0.041 χ^2 /NDF:4171.8/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.192 $\pm$ 0.042 χ^2 /NDF:4811.6/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.871 $\pm$ 0.029 χ^2 /NDF: 9098.3/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

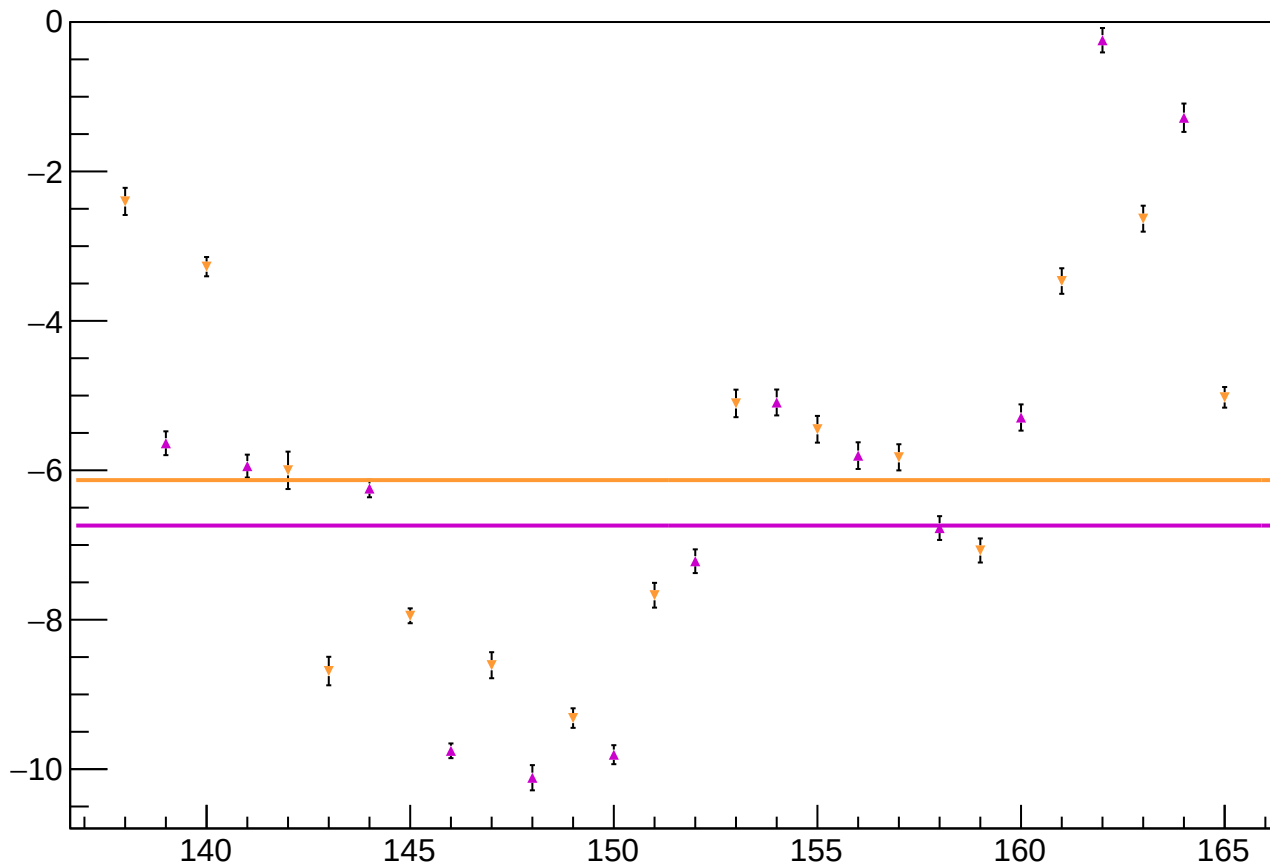
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -1.326 $\pm$ 0.029 χ^2 /NDF:3674.3/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.227 $\pm$ 0.029 χ^2 /NDF:7146.2/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -1.278 $\pm$ 0.021 χ^2 /NDF: 10826.2/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -6.131 ± 0.040 χ^2/NDF : 3099.1/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

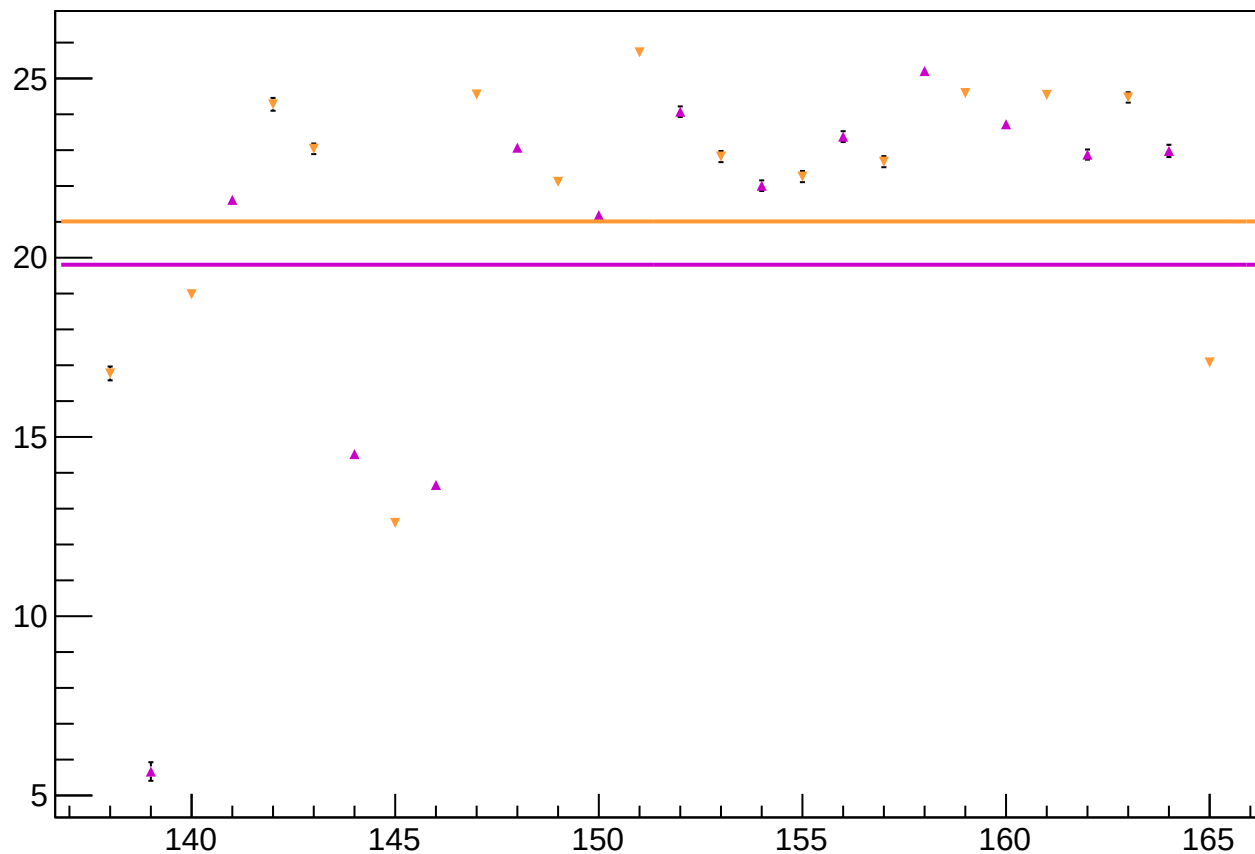
Left In: -6.740 ± 0.041 χ^2/NDF : 4616.4/12

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -6.431 ± 0.029 χ^2/NDF : 7827.3/27

- sign 0.000 ± 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: 21.012+/-0.034 χ^2/NDF :15986.0/14

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

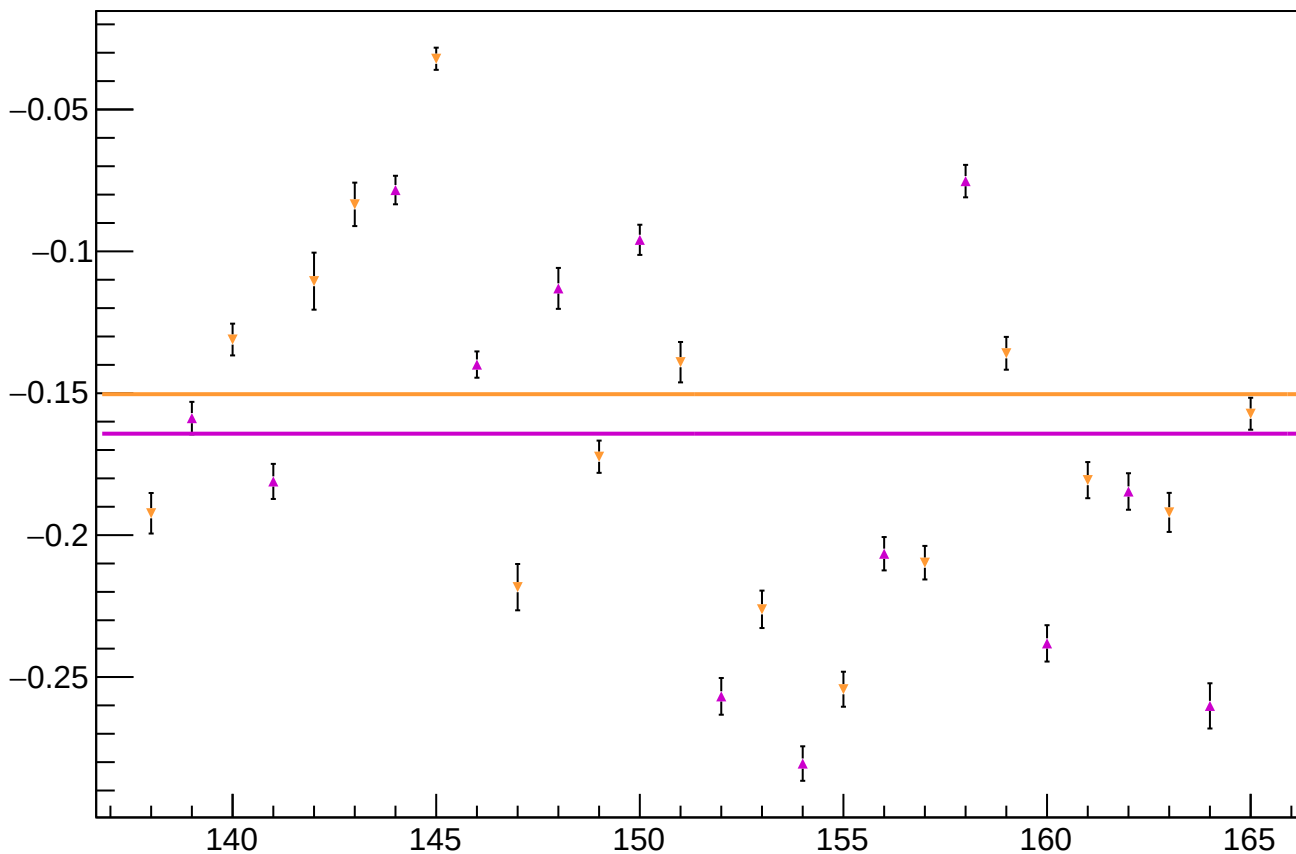
Left In: 19.804+/-0.035 χ^2/NDF :17979.2/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 20.419+/-0.024 χ^2/NDF : 34584.9/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

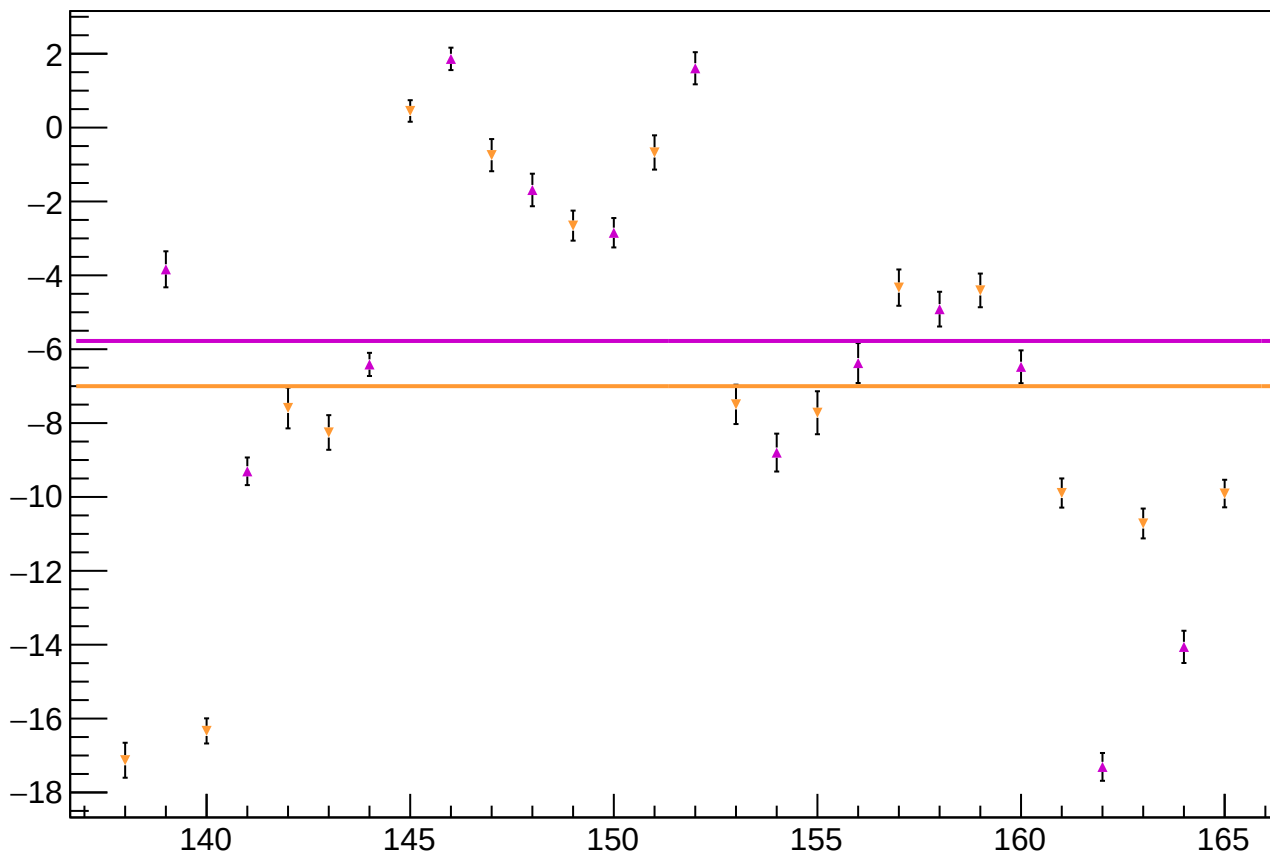
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.150 $\pm$ 0.002 χ^2 /NDF:1724.6/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.164 $\pm$ 0.002 χ^2 /NDF:1695.3/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.157 $\pm$ 0.001 χ^2 /NDF: 3457.0/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

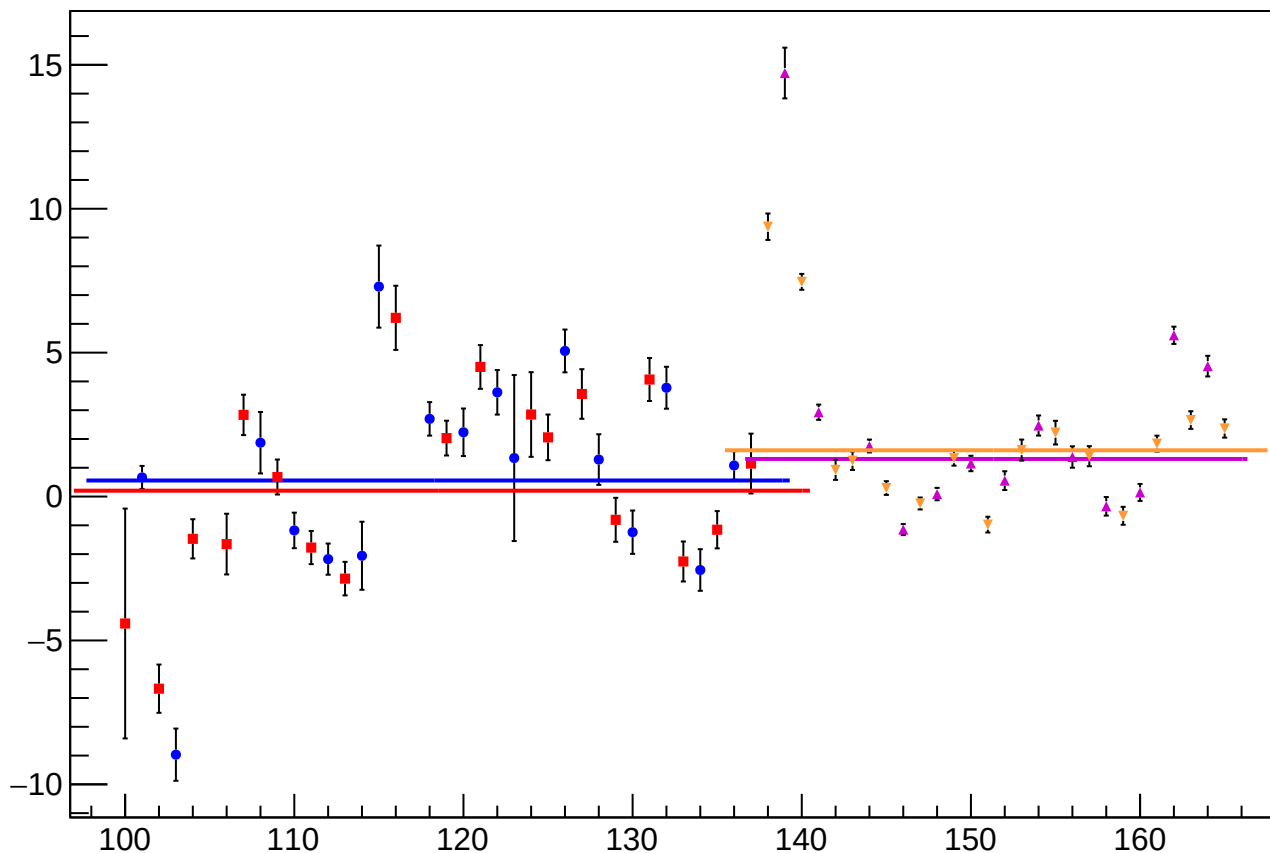
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.001+/-0.109 χ^2/NDF : 2640.0/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.777+/-0.113 χ^2/NDF : 2510.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -6.410+/-0.079 χ^2/NDF : 5211.5/27
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.608 ± 0.077 χ^2/NDF : 1013.7/14

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

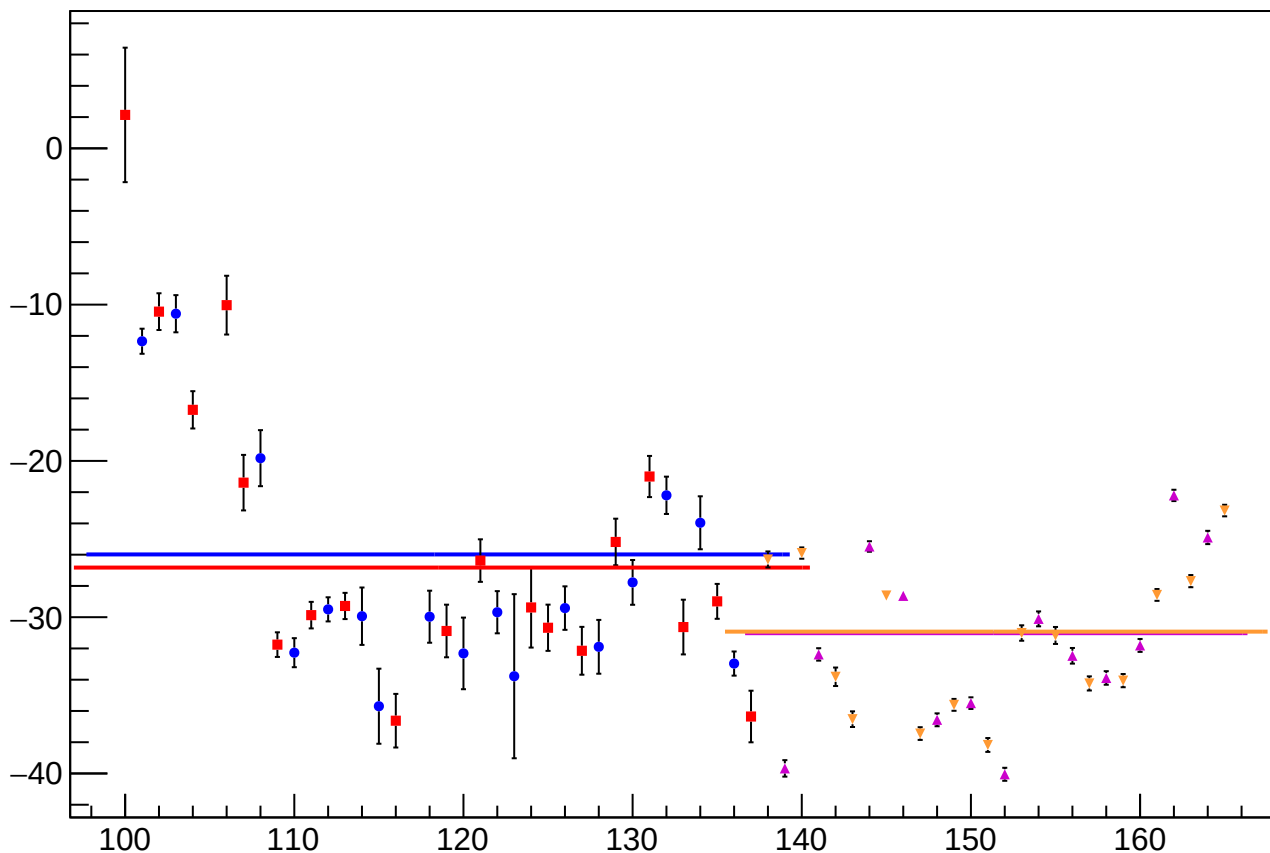
Left In: 1.306 ± 0.078 χ^2/NDF : 814.3/12

+ sign 1.431 ± 0.070 χ^2/NDF : 1333.3/31

All: 1.279 ± 0.050 χ^2/NDF : 2462.4/63

- sign 1.121 ± 0.071 χ^2/NDF : 1119.5/31

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -30.924 ± 0.108 χ^2/NDF : 1807.9/14

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

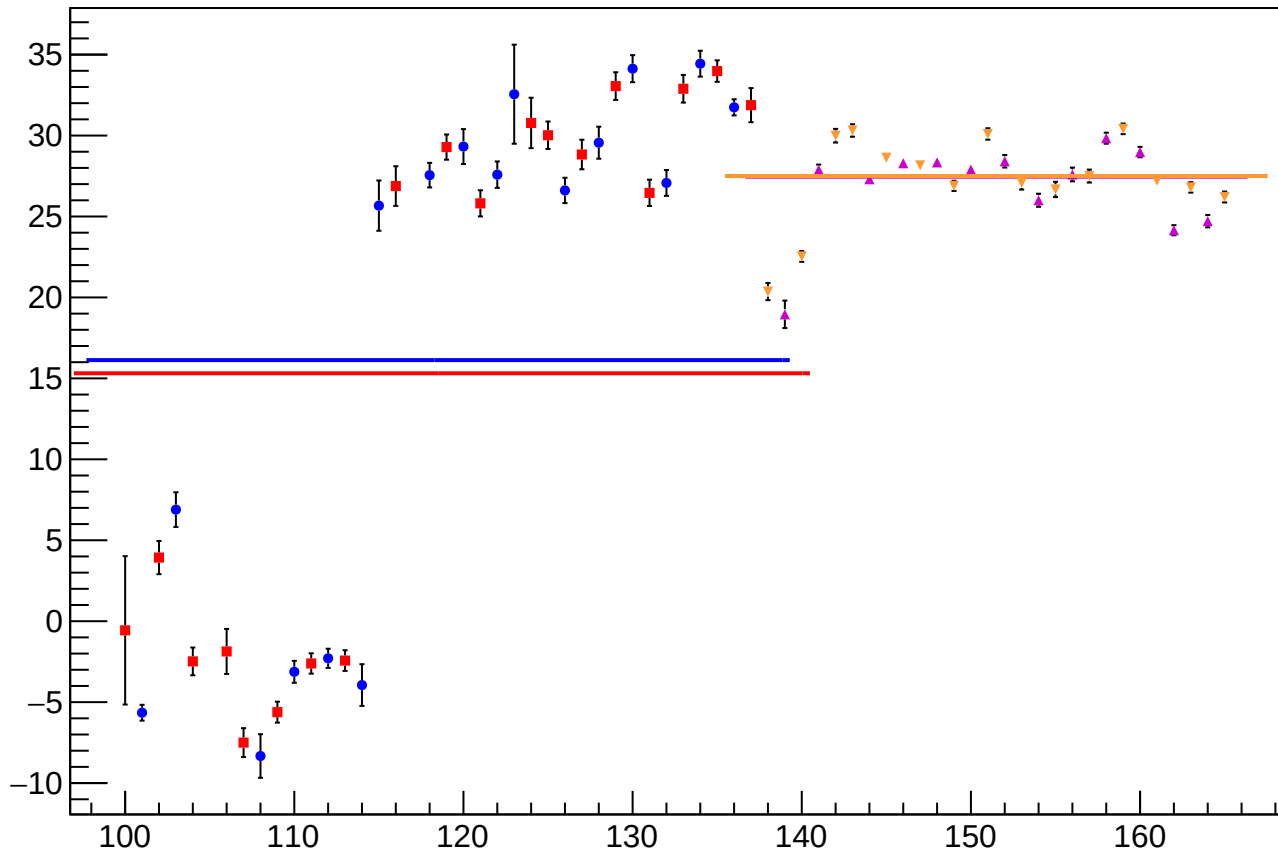
Left In: -31.023 ± 0.110 χ^2/NDF : 2272.9/12

+ sign -30.358 ± 0.102 χ^2/NDF : 2738.8/31

All: -30.435 ± 0.073 χ^2/NDF : 5769.3/63

- sign -30.516 ± 0.103 χ^2/NDF : 3029.3/31

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: 27.501 $\pm$ 0.090 χ^2 /NDF: 673.6/14

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

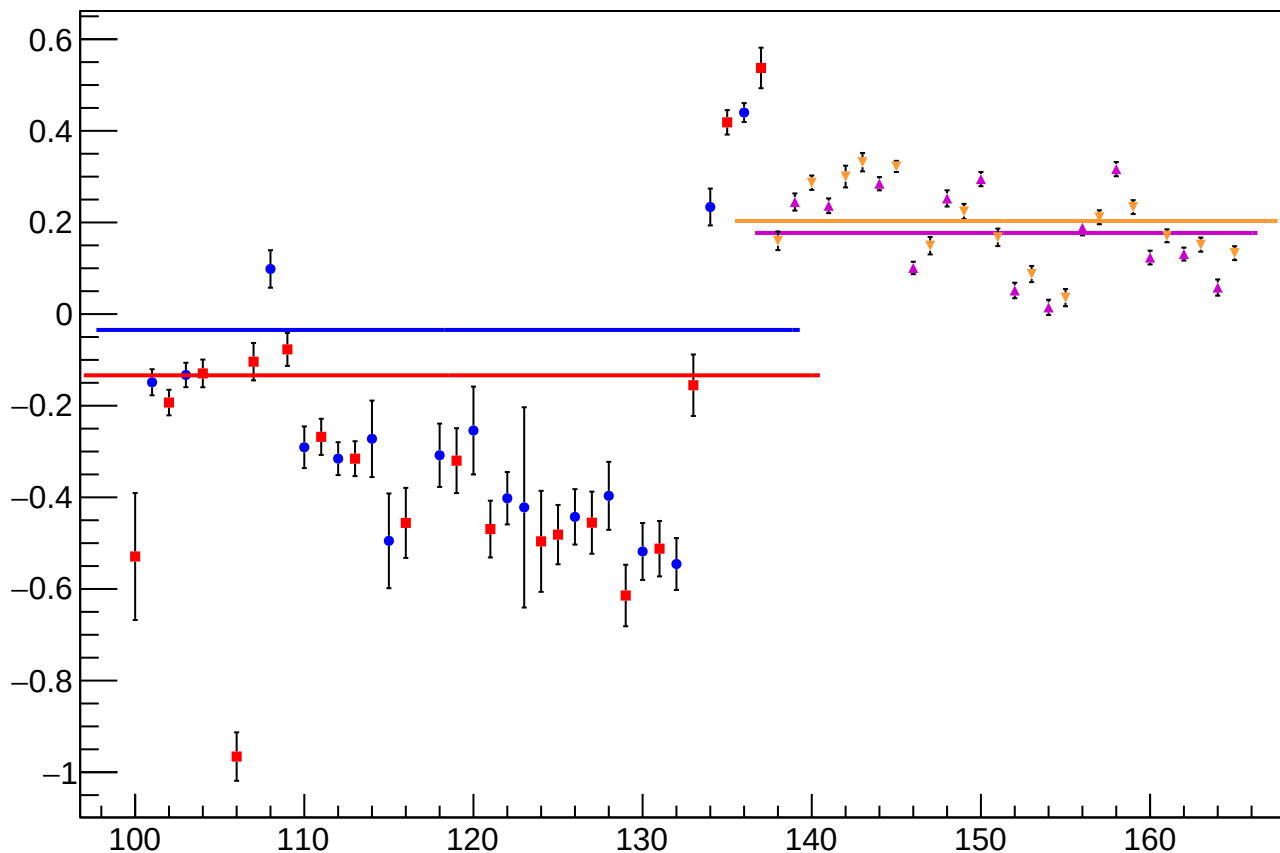
Left In: 27.461 $\pm$ 0.092 χ^2 /NDF: 378.8/12

+ sign 25.462 $\pm$ 0.081 χ^2 /NDF: 11123.6/31

All: 25.376 $\pm$ 0.058 χ^2 /NDF: 21902.7/63

- sign 25.286 $\pm$ 0.083 χ^2 /NDF: 10776.7/31

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.203 ± 0.004 χ^2/NDF : 363.9/14

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

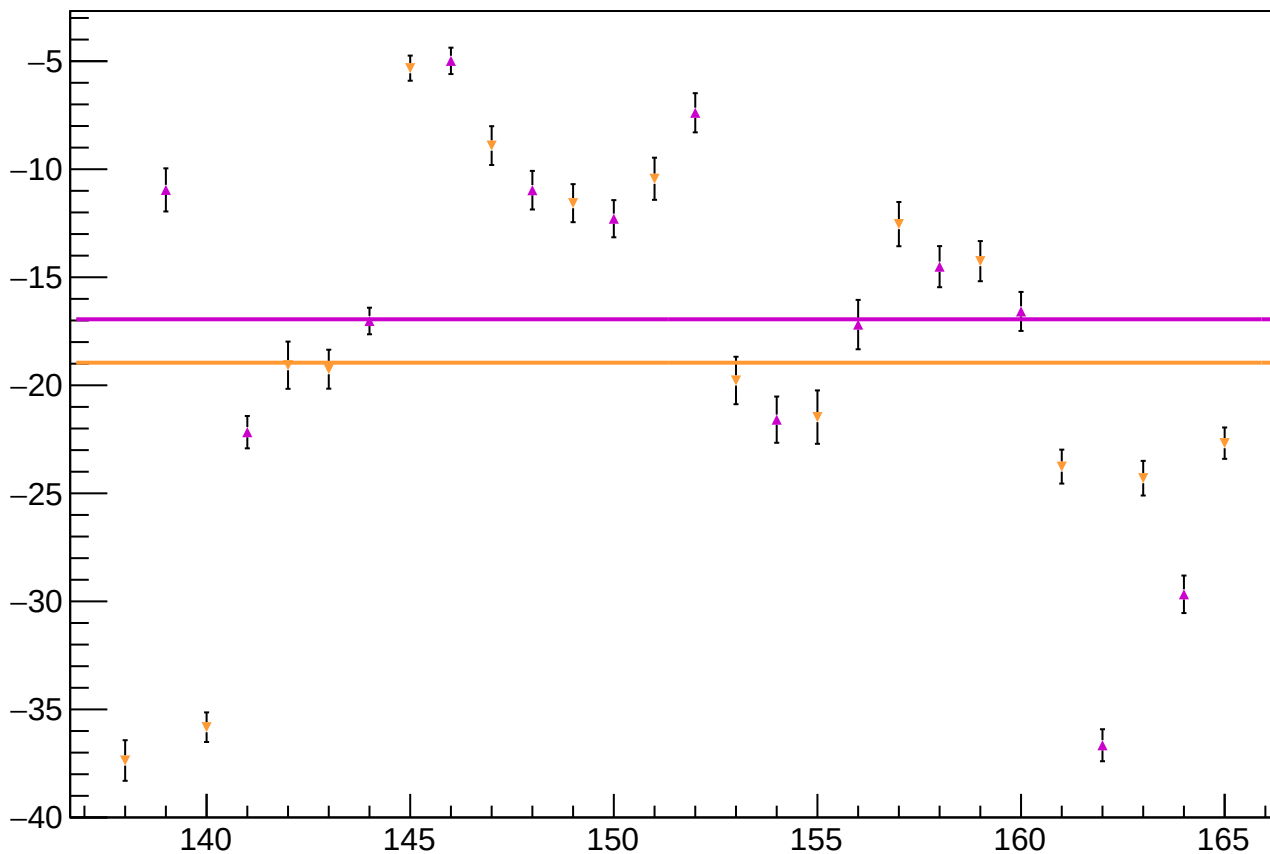
Left In: 0.177 ± 0.004 χ^2/NDF : 485.6/12

+ sign 0.169 ± 0.004 χ^2/NDF : 1827.9/31

All: 0.150 ± 0.003 χ^2/NDF : 4282.8/63

- sign 0.130 ± 0.004 χ^2/NDF : 2407.7/31

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -18.954+/-0.221 χ^2/NDF : 1990.3/14

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

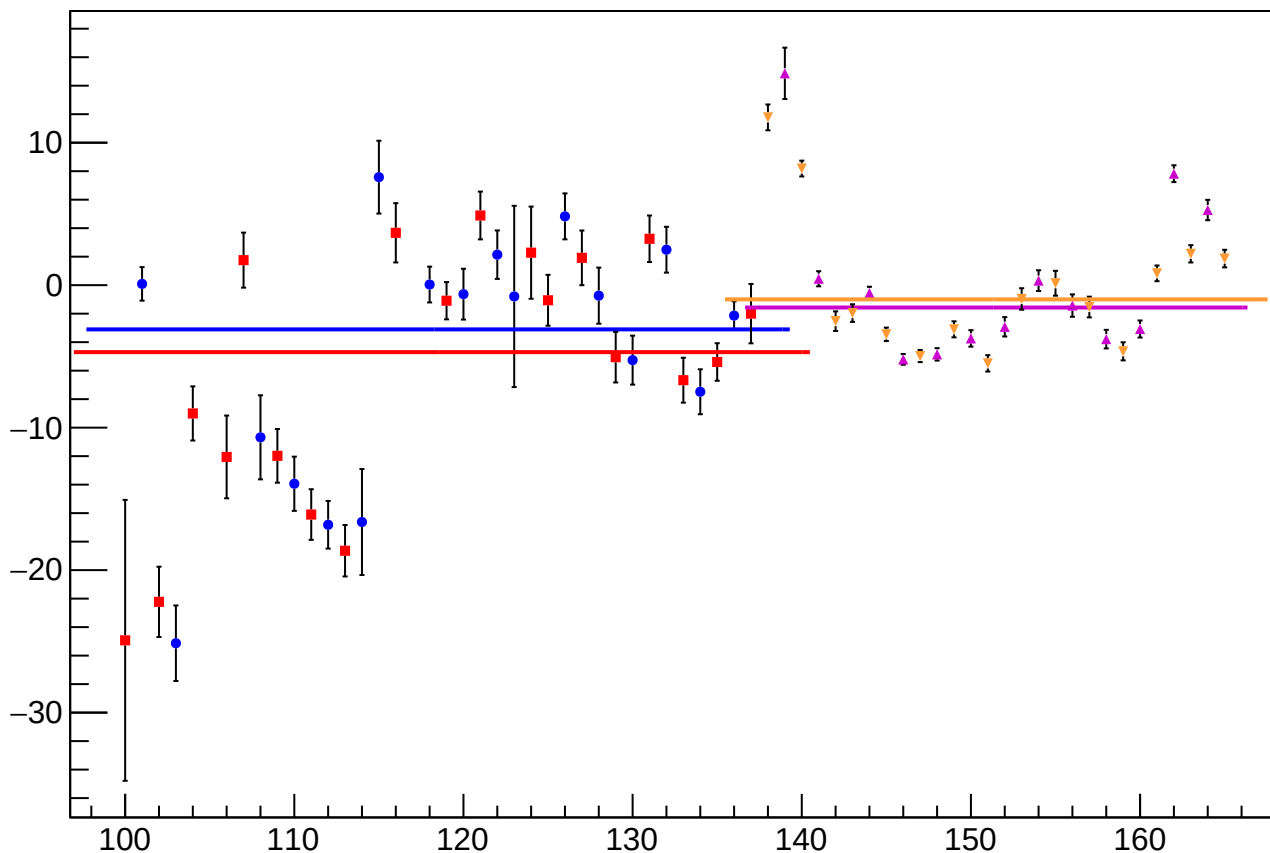
Left In: -16.945+/-0.229 χ^2/NDF : 1602.8/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.987+/-0.159 χ^2/NDF : 3632.9/27

- 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: -0.997 ± 0.155 χ^2/NDF : 764.2/14

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

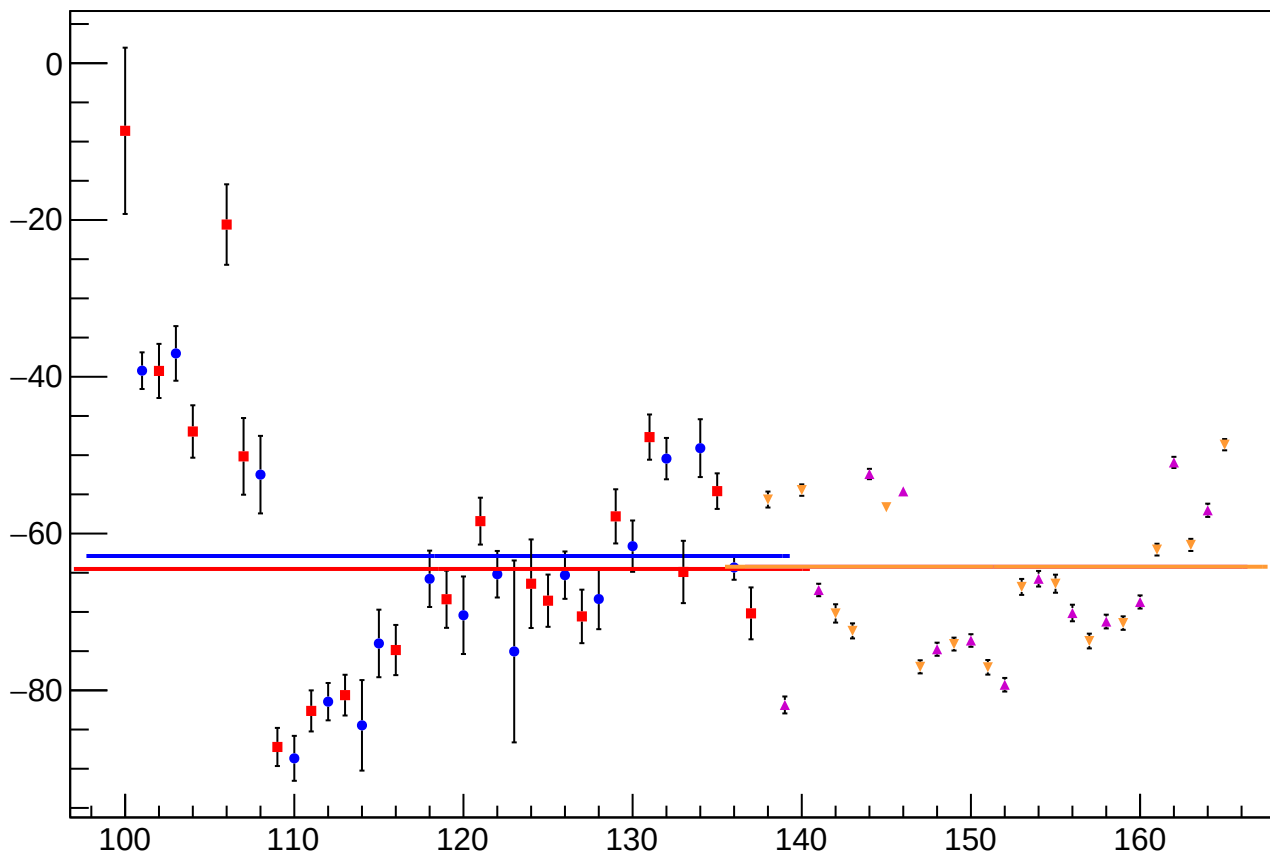
Left In: -1.569 ± 0.158 χ^2/NDF : 641.3/12

+ sign -1.260 ± 0.145 χ^2/NDF : 1066.4/31

All: -1.597 ± 0.104 χ^2/NDF : 2063.7/63

- sign -1.948 ± 0.148 χ^2/NDF : 986.3/31

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -64.233 ± 0.219 χ^2/NDF : 1733.6/14

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

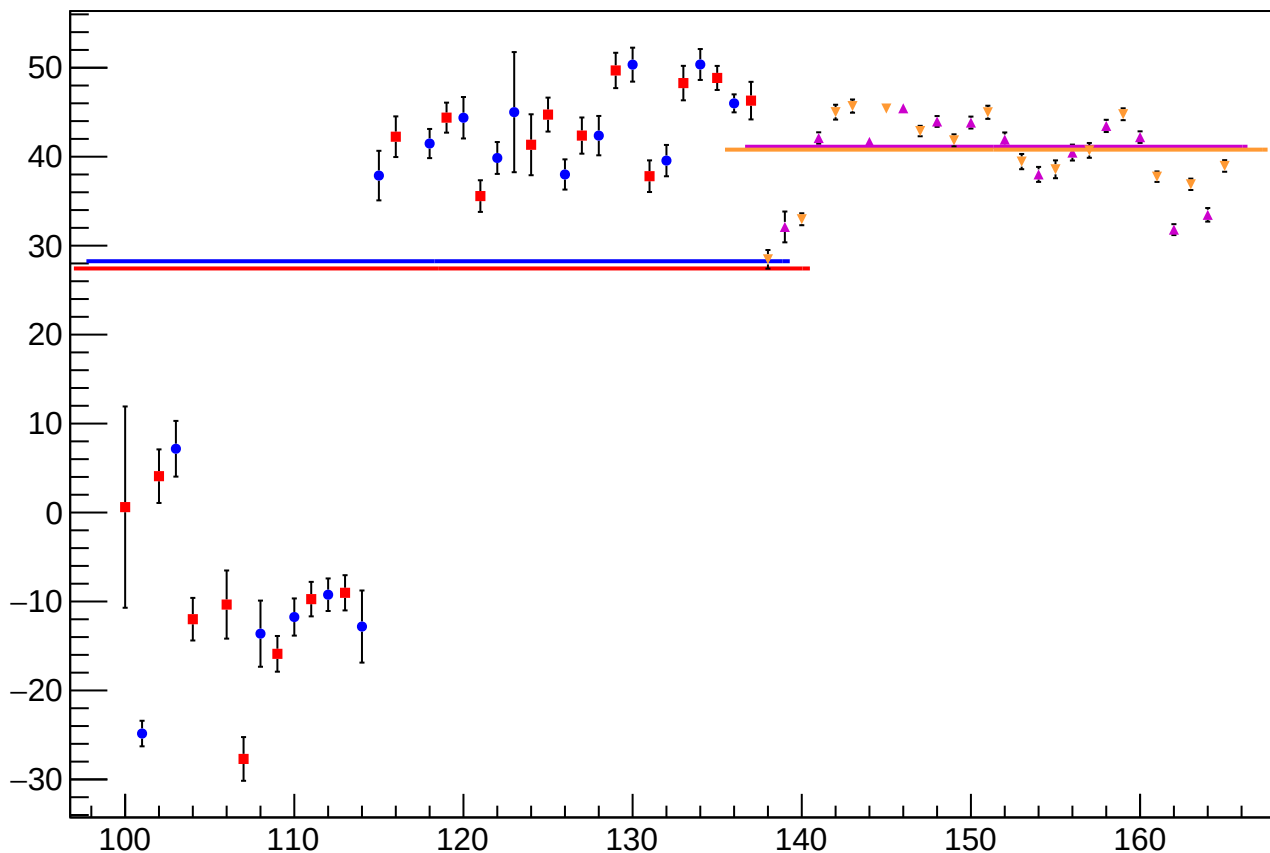
Left In: -64.242 ± 0.224 χ^2/NDF : 2013.0/12

+ sign -64.123 ± 0.210 χ^2/NDF : 2105.4/31

All: -64.192 ± 0.150 χ^2/NDF : 4563.0/63

- sign -64.264 ± 0.215 χ^2/NDF : 2457.4/31

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: 40.793 $\pm$ 0.182 χ^2 /NDF:576.2/14

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

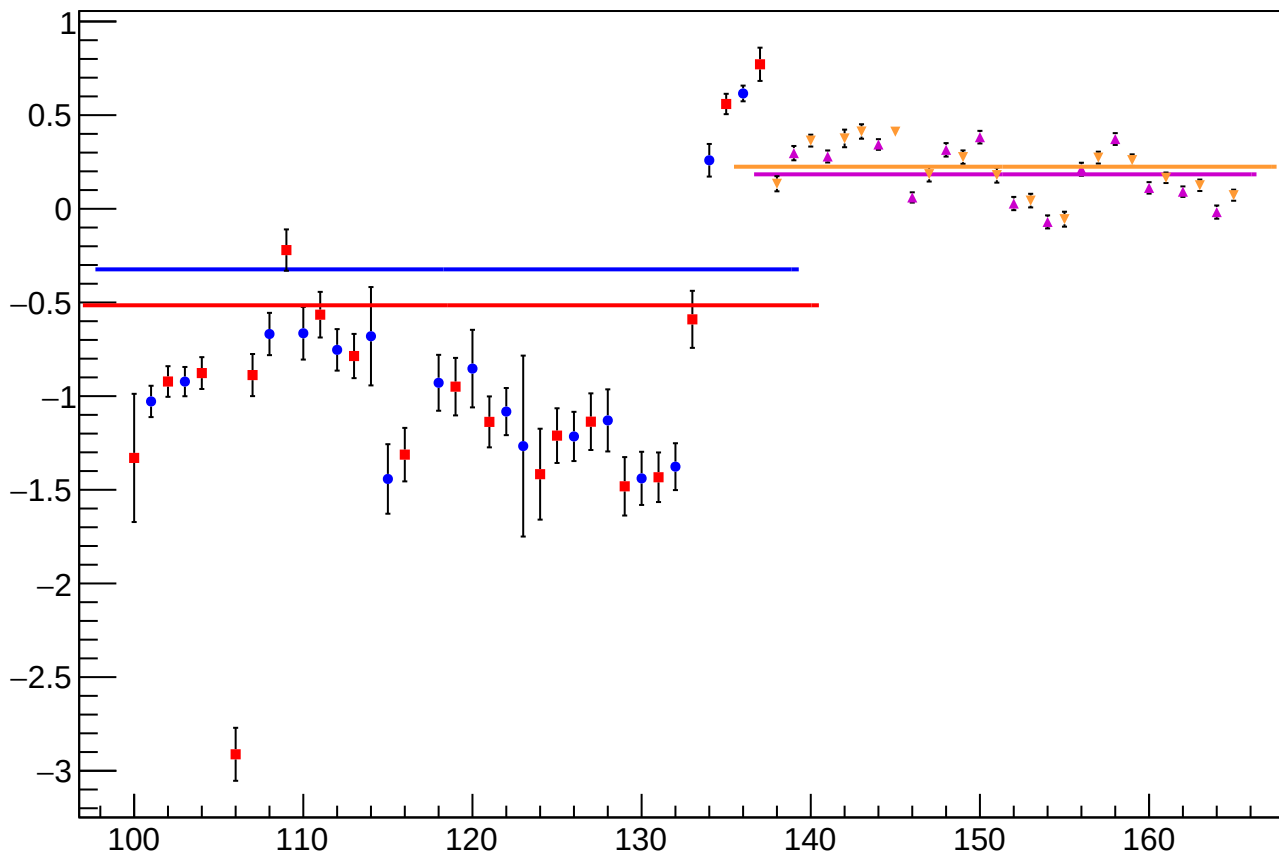
Left In: 41.118 $\pm$ 0.186 χ^2 /NDF:510.6/12

+ sign 39.103 $\pm$ 0.169 χ^2 /NDF: 4538.8/31

All: 39.209 $\pm$ 0.121 χ^2 /NDF: 8792.1/63

- sign 39.321 $\pm$ 0.174 χ^2 /NDF: 4252.5/31

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.225 ± 0.009 χ^2/NDF : 241.2/14

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

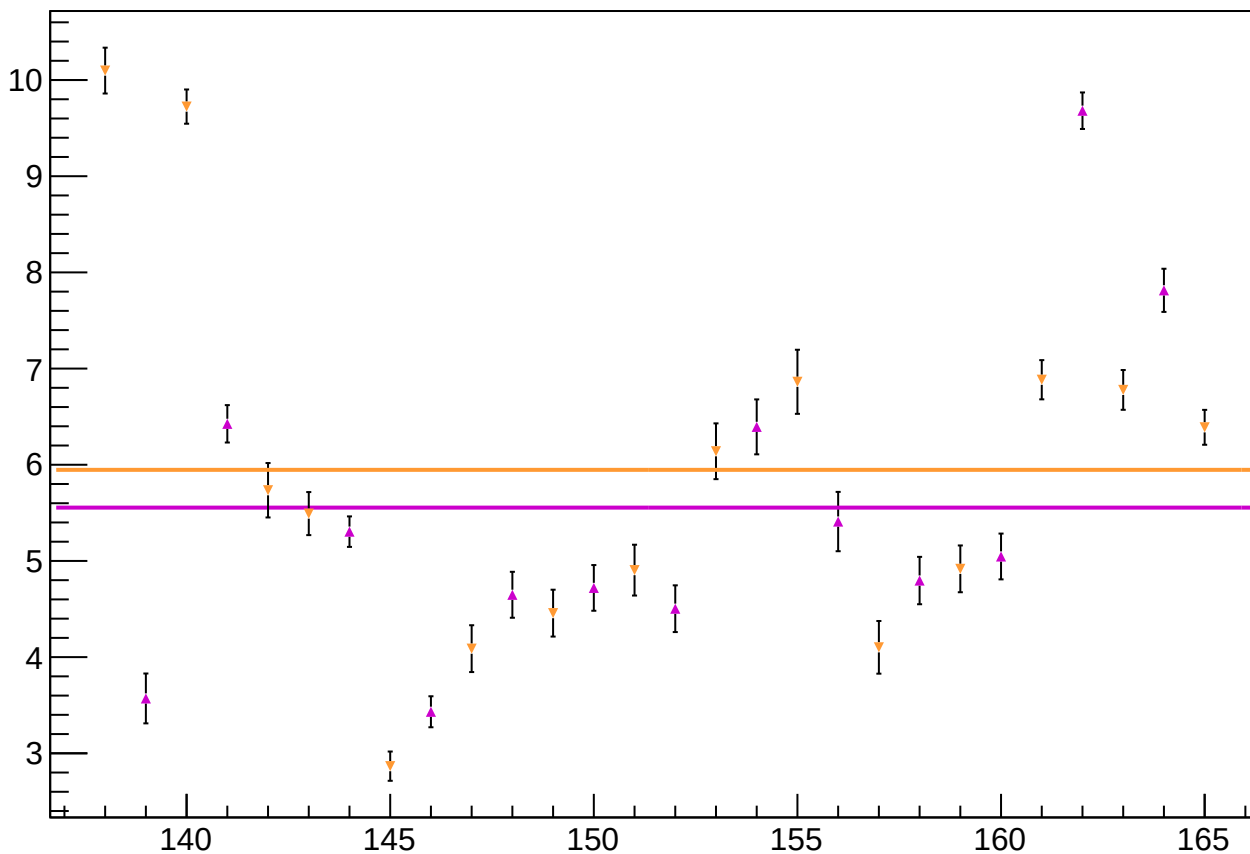
Left In: 0.184 ± 0.009 χ^2/NDF : 274.8/12

+ sign 0.166 ± 0.008 χ^2/NDF : 1682.4/31

All: 0.138 ± 0.006 χ^2/NDF : 3798.9/63

- sign 0.109 ± 0.008 χ^2/NDF : 2092.7/31

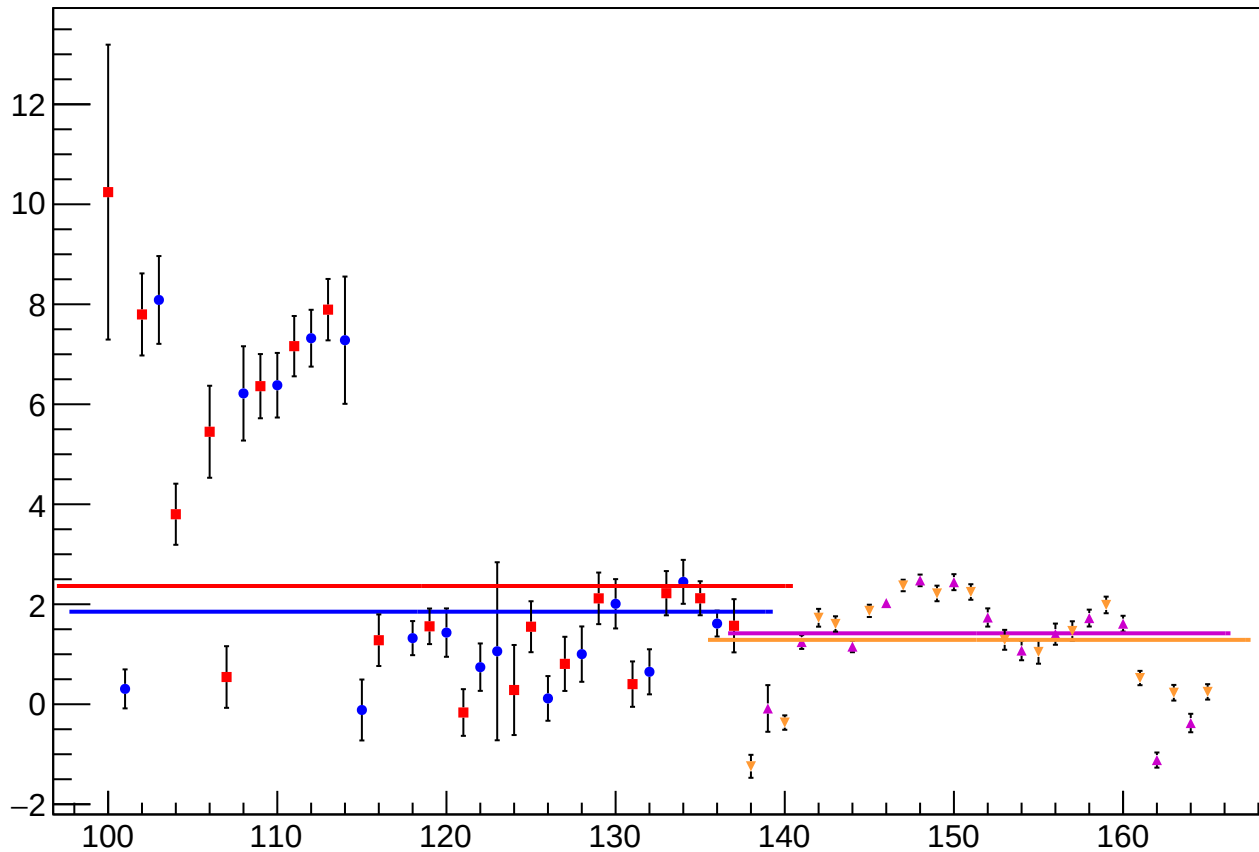
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.947 $\pm$ 0.058 χ^2 /NDF:1393.9/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.554 $\pm$ 0.060 χ^2 /NDF:896.8/12

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 5.759 $\pm$ 0.042 χ^2 /NDF: 2313.0/27
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.288 ± 0.041 χ^2/NDF : 587.3/14

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

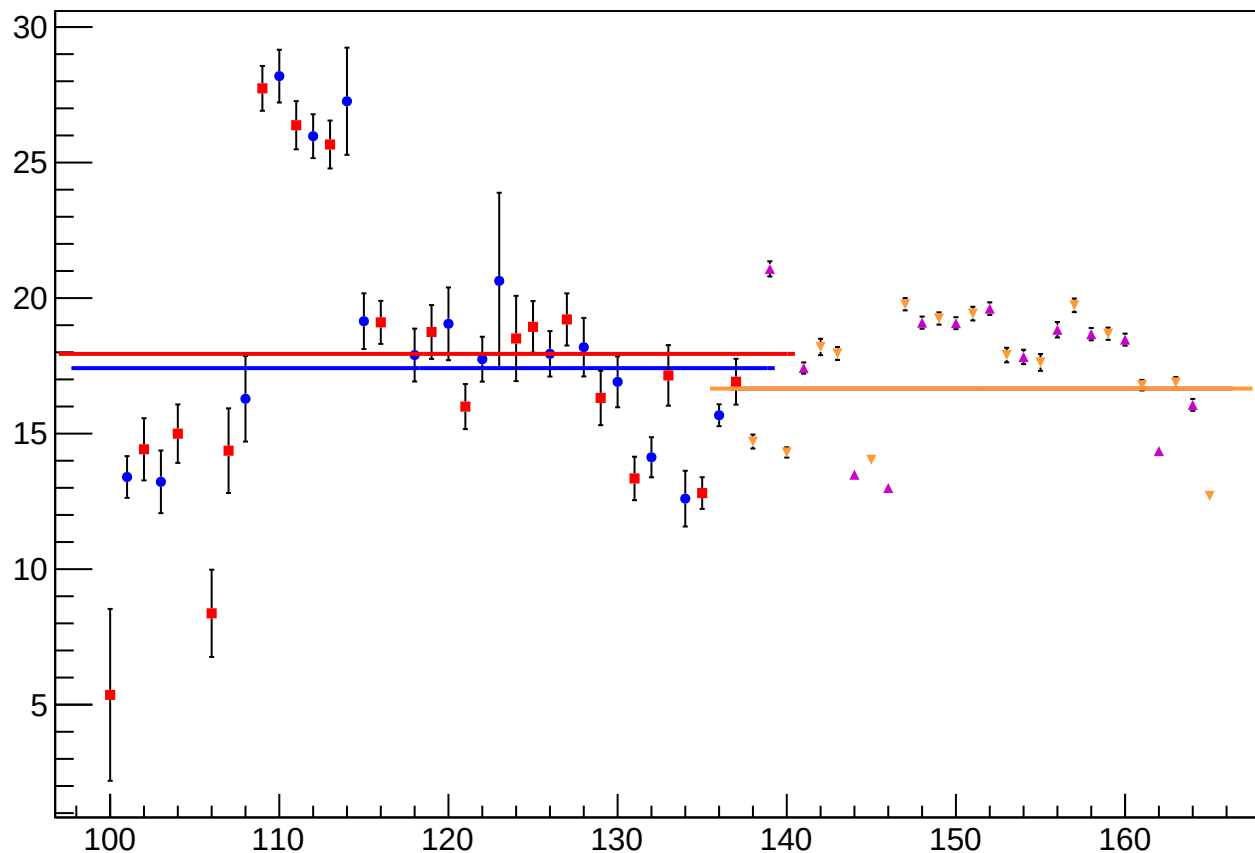
Left In: 1.419 ± 0.042 χ^2/NDF : 565.7/12

+ sign 1.348 ± 0.038 χ^2/NDF : 902.1/31

All: 1.430 ± 0.027 χ^2/NDF : 1866.9/63

- sign 1.516 ± 0.039 χ^2/NDF : 955.4/31

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 16.660 $\pm$ 0.057 χ^2 /NDF: 1711.3/14

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

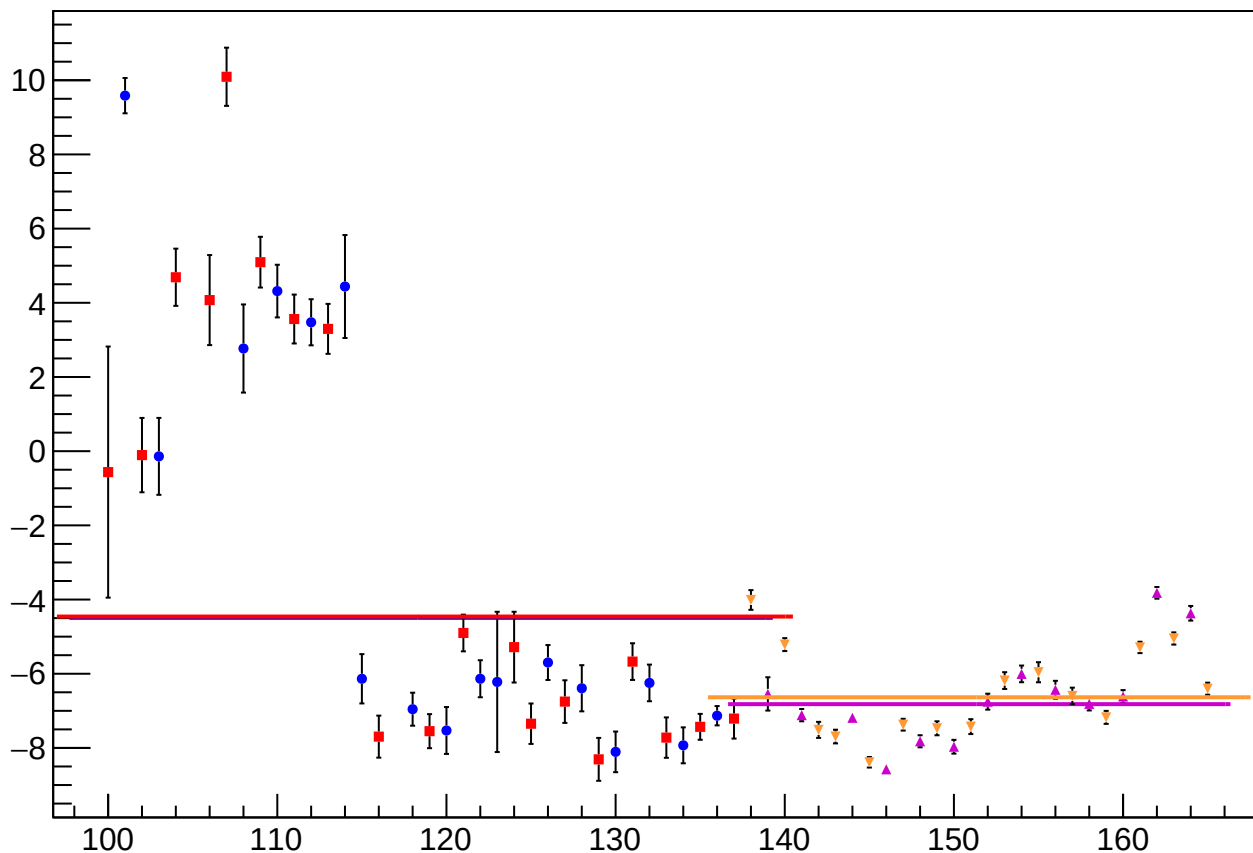
Left In: 16.661 $\pm$ 0.059 χ^2 /NDF: 1957.8/12

+ sign 16.711 $\pm$ 0.055 χ^2 /NDF: 2090.1/31

All: 16.729 $\pm$ 0.040 χ^2 /NDF: 4585.6/63

- sign 16.747 $\pm$ 0.057 χ^2 /NDF: 2495.3/31

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: -6.635 ± 0.048 χ^2/NDF : 613.5/14

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

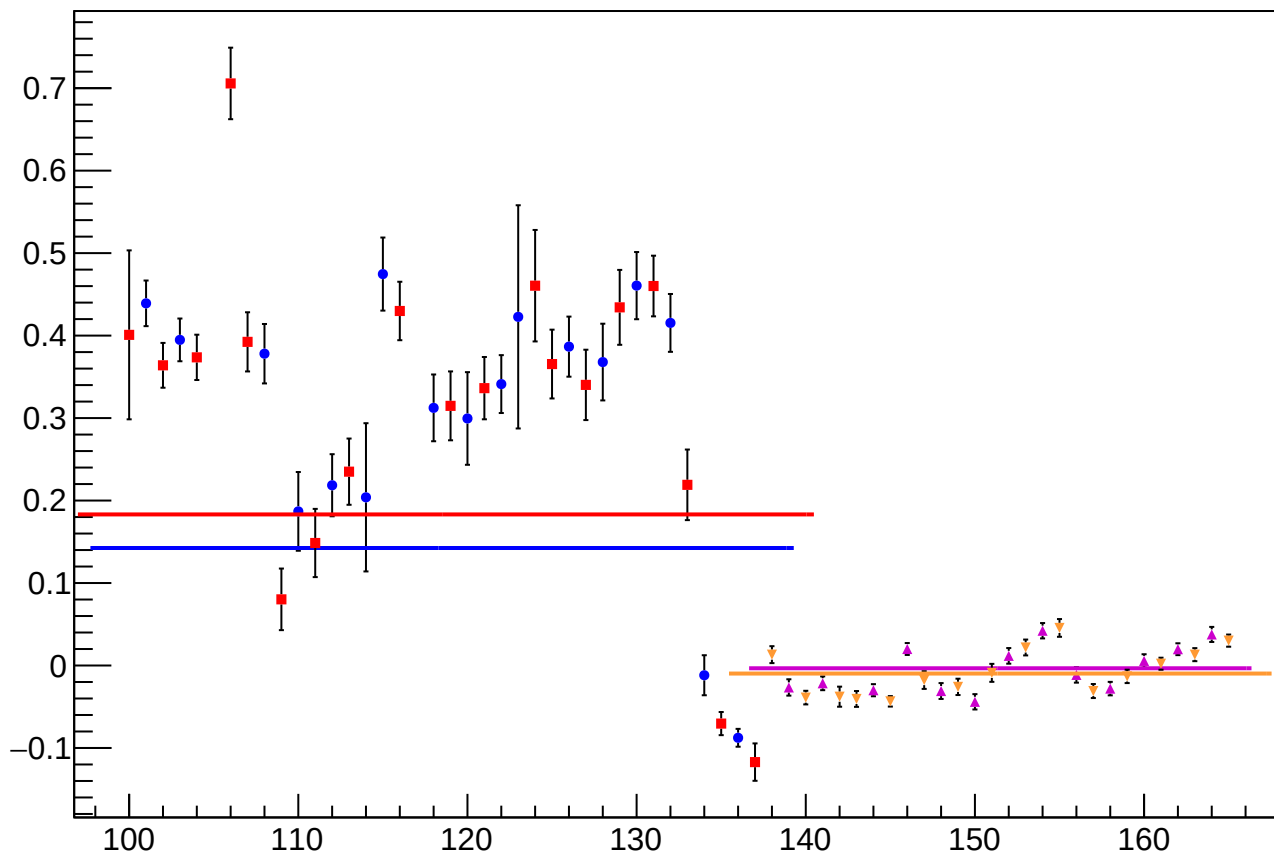
Left In: -6.820 ± 0.049 χ^2/NDF : 820.6/12

+ sign -6.383 ± 0.045 χ^2/NDF : 2437.2/31

All: -6.466 ± 0.032 χ^2/NDF : 4867.3/63

- sign -6.553 ± 0.046 χ^2/NDF : 2423.1/31

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1058.8/16

Left Out: -0.010 $\pm$ 0.002 χ^2 /NDF:148.3/14

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 1000.9/18

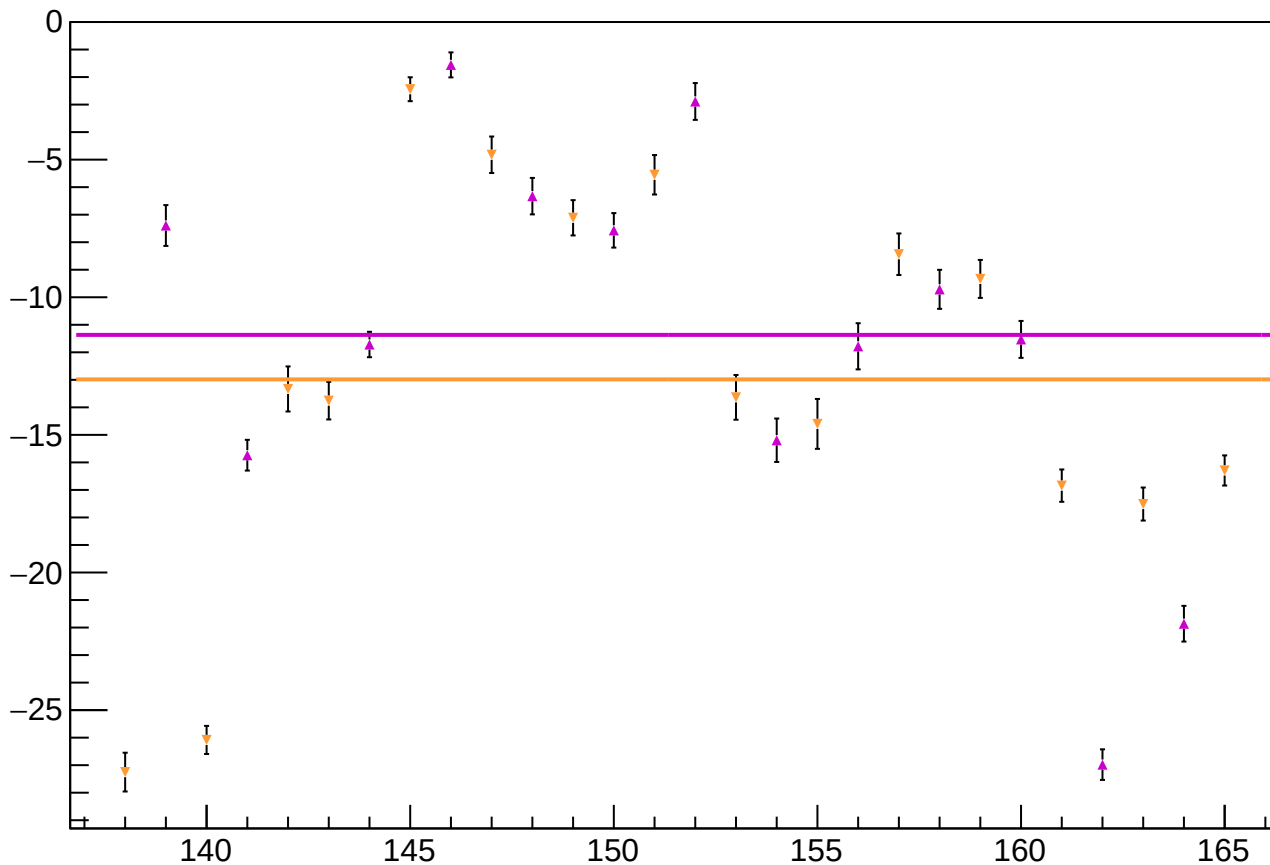
Left In: -0.003 $\pm$ 0.002 χ^2 /NDF:129.2/12

+ sign 0.004 $\pm$ 0.002 χ^2 /NDF: 1627.8/31

All: 0.009 $\pm$ 0.002 χ^2 /NDF: 3342.7/63

- sign 0.014 $\pm$ 0.002 χ^2 /NDF: 1705.8/31

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -12.983+/-0.164 χ^2/NDF : 2207.4/14

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

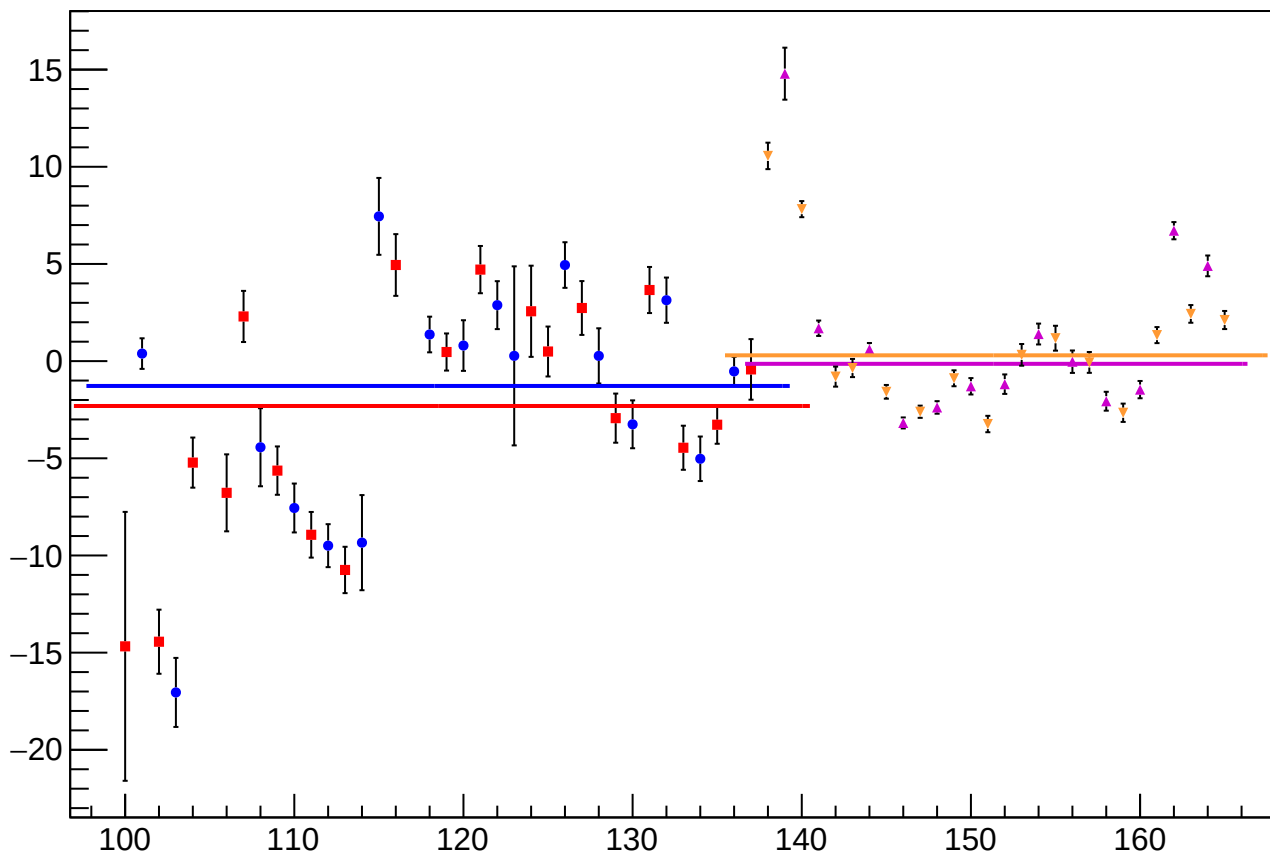
Left In: -11.367+/-0.170 χ^2/NDF : 1891.3/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.205+/-0.118 χ^2/NDF : 4145.3/27

- 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: 0.299 ± 0.116 χ^2/NDF : 840.5/14

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

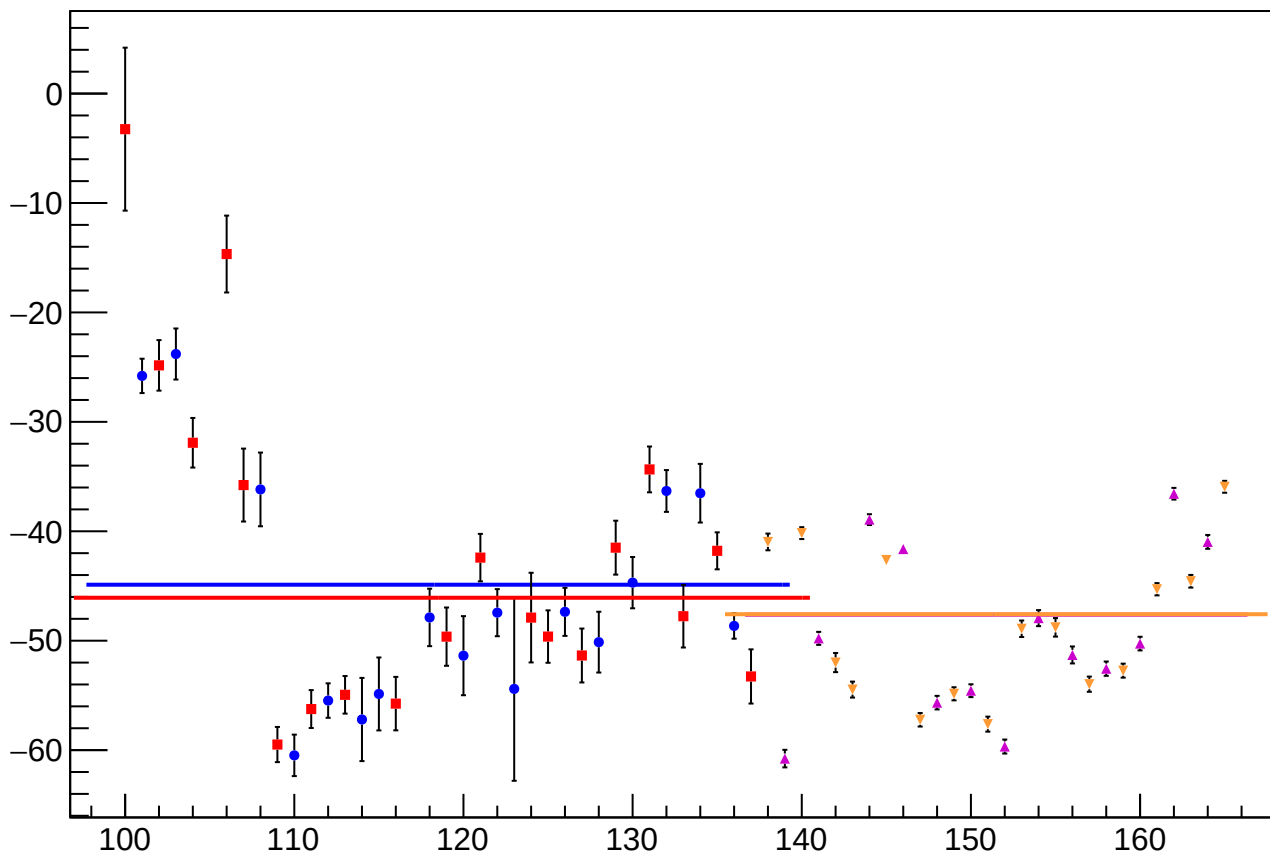
Left In: -0.139 ± 0.118 χ^2/NDF : 687.7/12

+ sign 0.086 ± 0.107 χ^2/NDF : 1142.1/31

All: -0.164 ± 0.077 χ^2/NDF : 2170.9/63

- sign -0.425 ± 0.110 χ^2/NDF : 1017.7/31

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -47.580 ± 0.163 χ^2/NDF : 1753.0/14

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

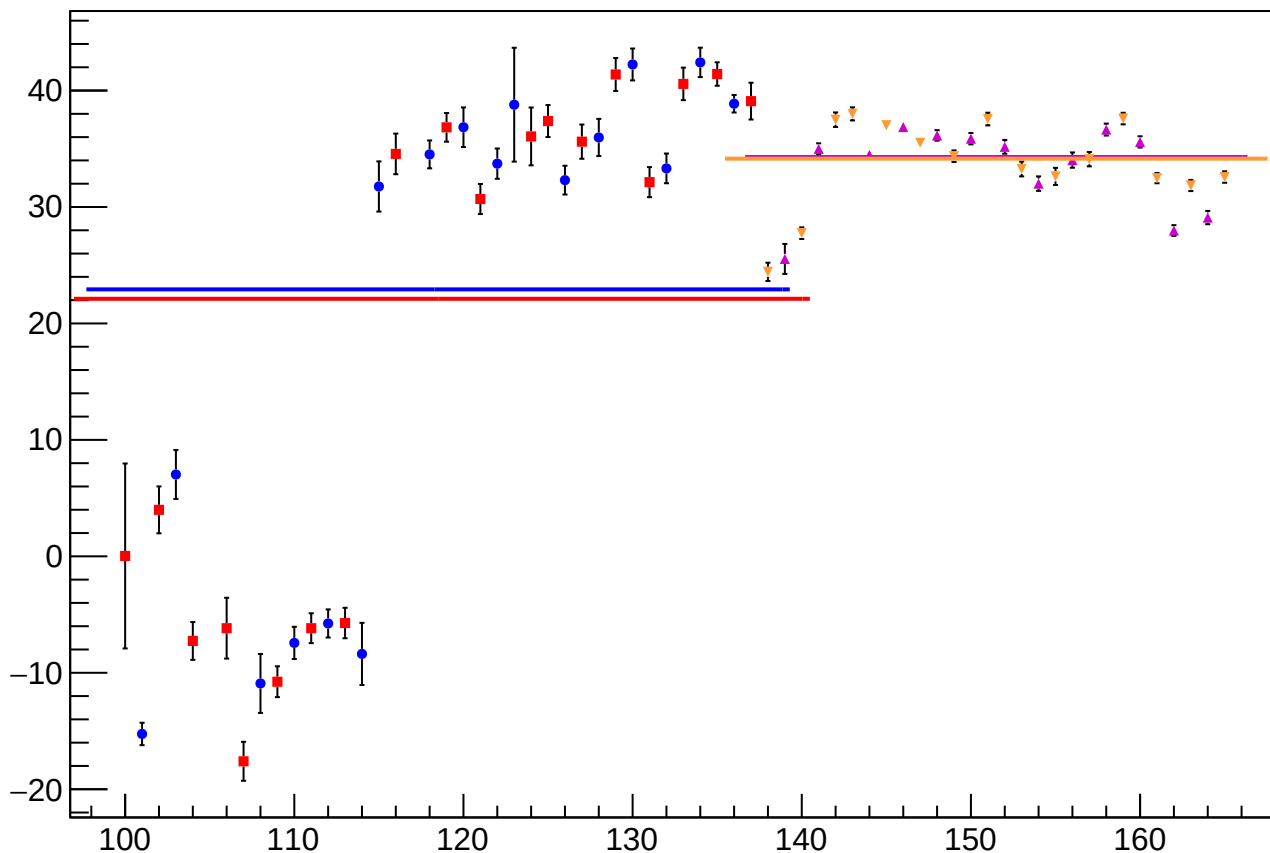
Left In: -47.621 ± 0.166 χ^2/NDF : 2075.9/12

+ sign -47.343 ± 0.155 χ^2/NDF : 2198.1/31

All: -47.411 ± 0.111 χ^2/NDF : 4736.4/63

- sign -47.481 ± 0.159 χ^2/NDF : 2537.9/31

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: 34.152 $\pm$ 0.135 χ^2 /NDF: 591.9/14

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

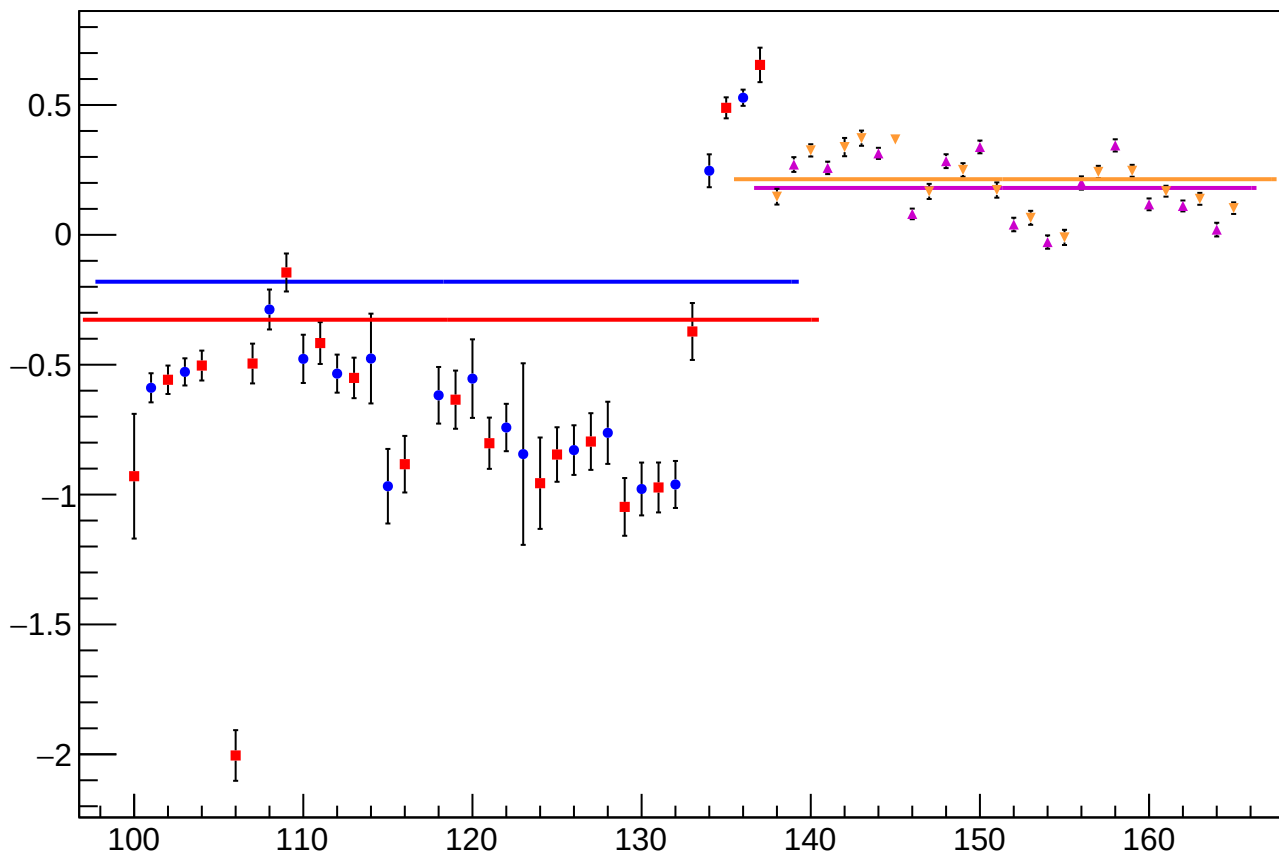
Left In: 34.292 $\pm$ 0.138 χ^2 /NDF: 442.1/12

+ sign 32.523 $\pm$ 0.125 χ^2 /NDF: 5923.1/31

All: 32.540 $\pm$ 0.089 χ^2 /NDF: 11498.6/63

- sign 32.559 $\pm$ 0.128 χ^2 /NDF: 5575.5/31

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.214 ± 0.006 χ^2/NDF : 279.7/14

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

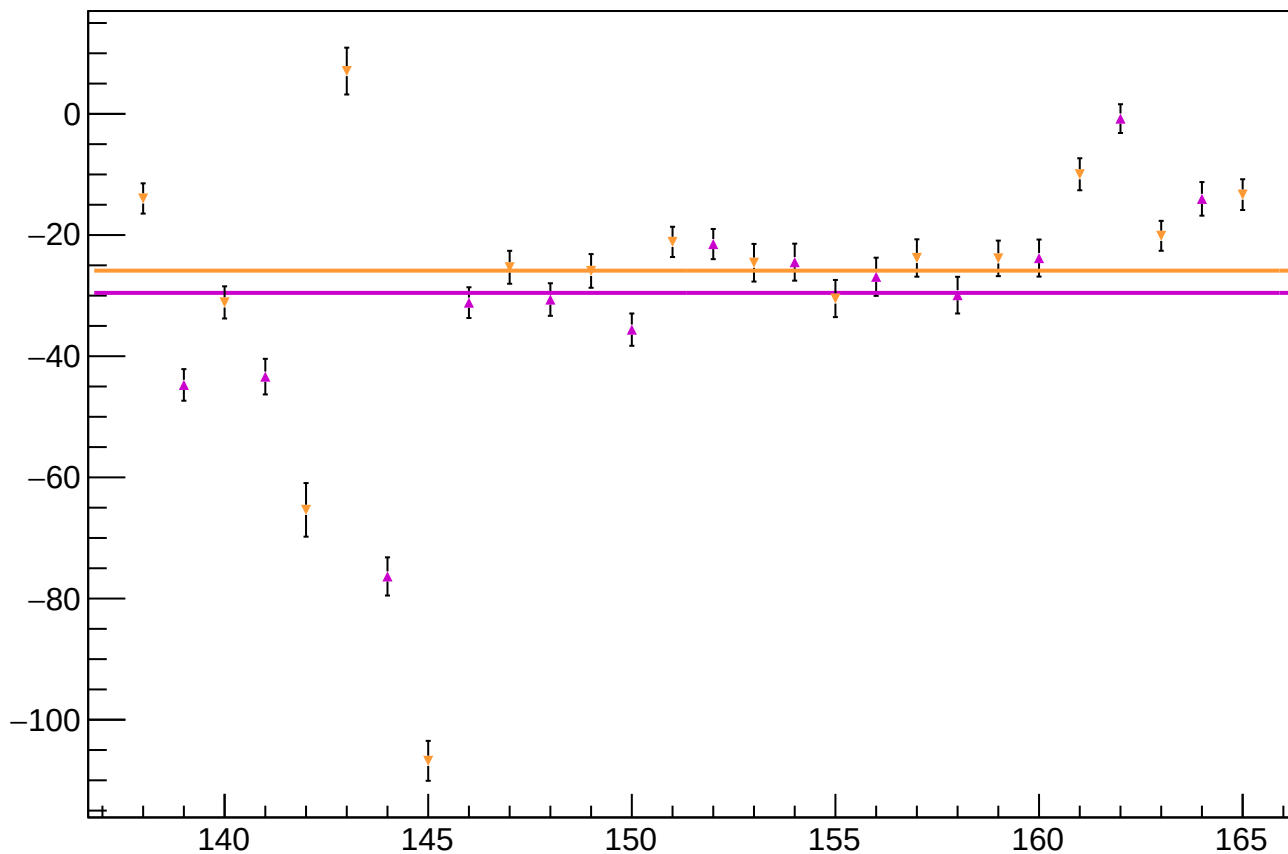
Left In: 0.181 ± 0.007 χ^2/NDF : 338.9/12

+ sign 0.169 ± 0.006 χ^2/NDF : 1711.7/31

All: 0.145 ± 0.004 χ^2/NDF : 3942.0/63

- sign 0.121 ± 0.006 χ^2/NDF : 2200.1/31

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -25.874+/-0.739 χ^2/NDF : 854.4/14

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

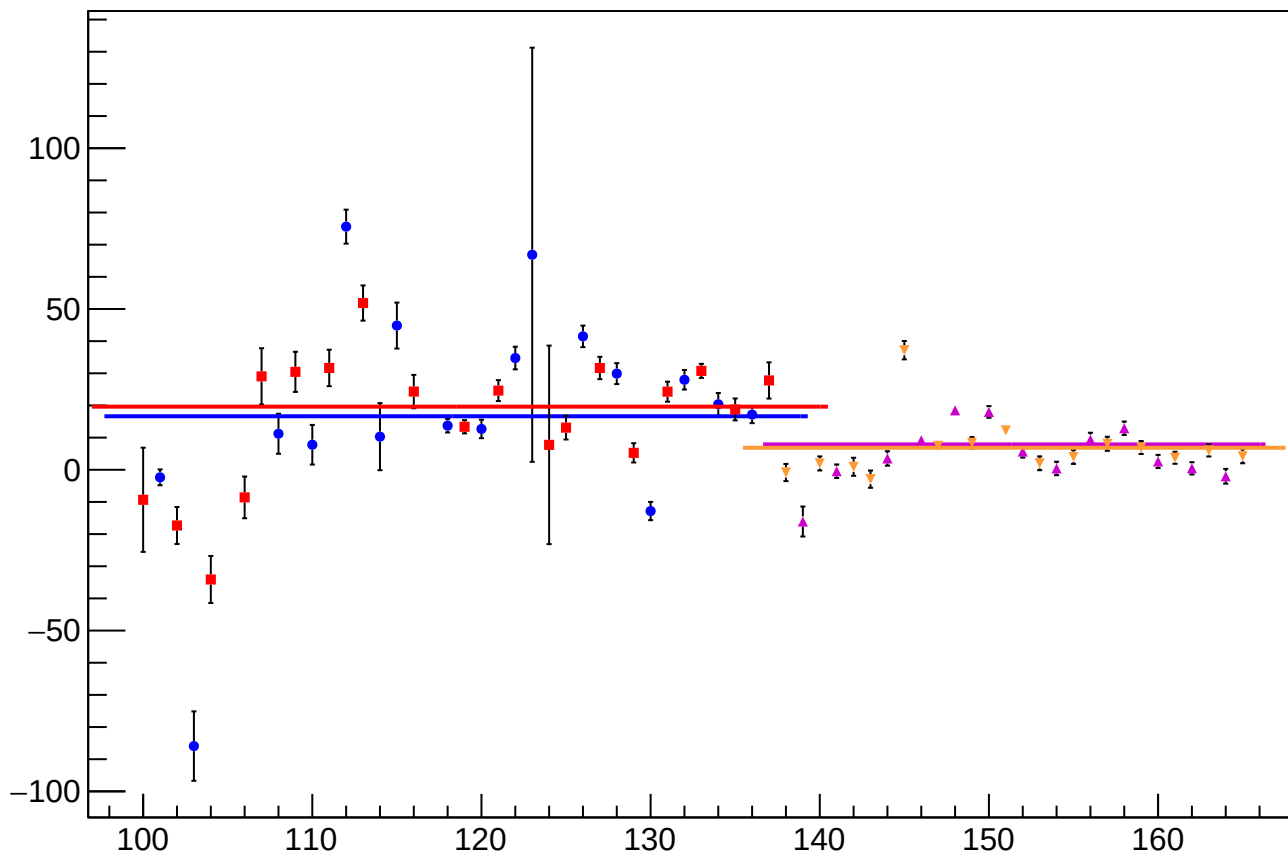
Left In: -29.547+/-0.769 χ^2/NDF : 477.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -27.637+/-0.533 χ^2/NDF : 1343.8/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 6.850 ± 0.513 $\chi^2/\text{NDF}: 170.6/14$

Right Out: 19.632 ± 0.896 $\chi^2/\text{NDF}: 241.7/18$

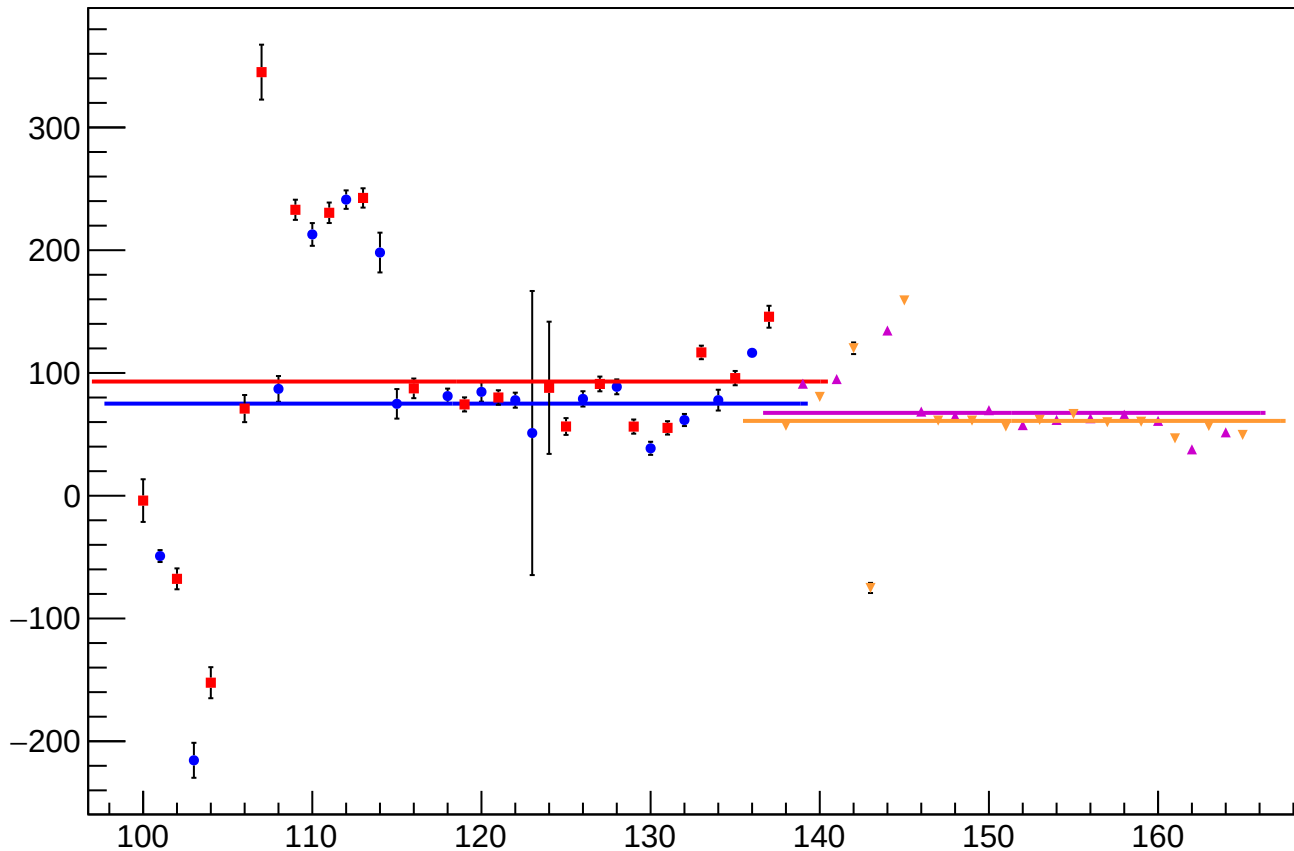
Left In: 7.887 ± 0.537 $\chi^2/\text{NDF}: 204.4/12$

+ sign 9.422 ± 0.440 $\chi^2/\text{NDF}: 785.3/31$

All: 10.169 ± 0.318 $\chi^2/\text{NDF}: 1363.8/63$

- sign 10.988 ± 0.461 $\chi^2/\text{NDF}: 572.5/31$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 60.958 $\pm$ 0.722 χ^2 /NDF: 2178.5/14

Right Out: 93.028 $\pm$ 1.711 χ^2 /NDF: 2003.6/18

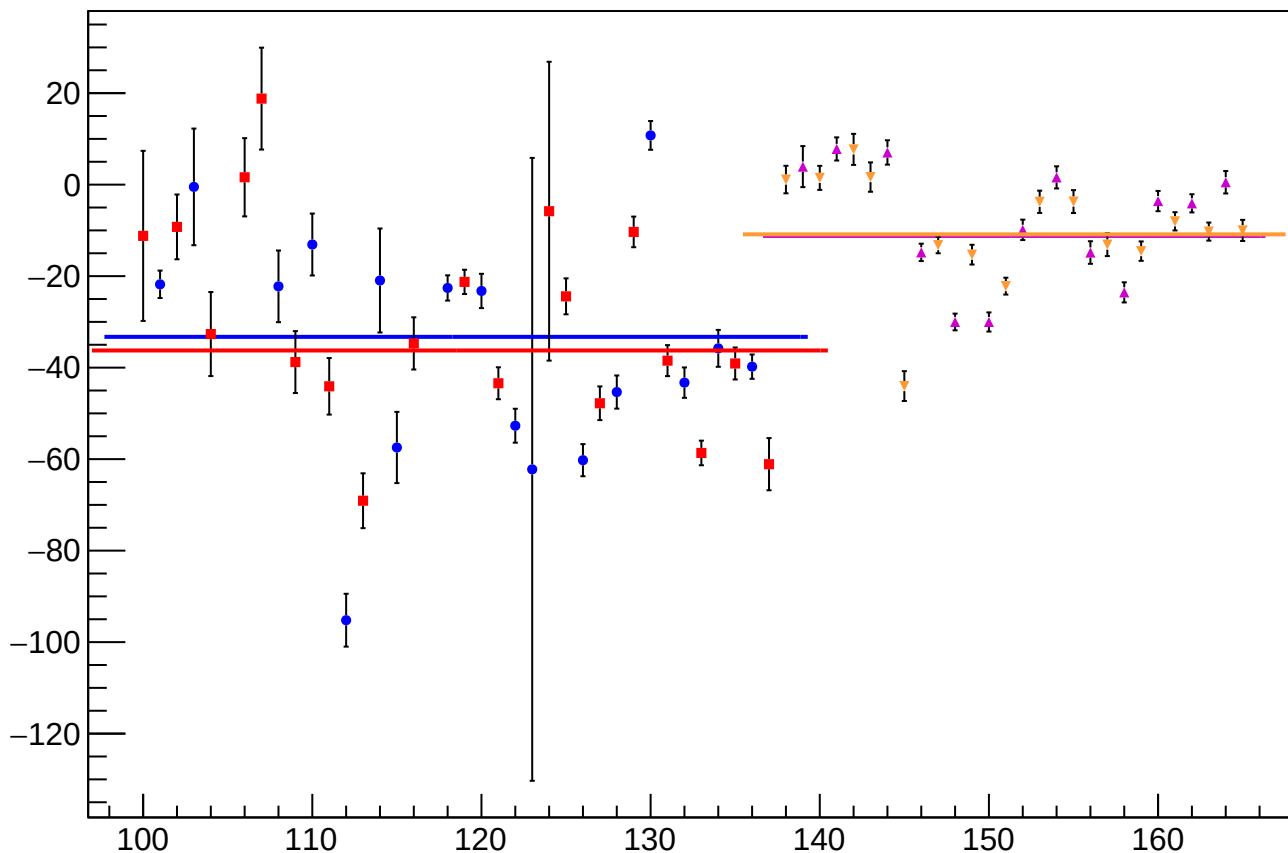
Left In: 67.500 $\pm$ 0.745 χ^2 /NDF: 778.9/12

+ sign 63.227 $\pm$ 0.661 χ^2 /NDF: 4239.5/31

All: 67.261 $\pm$ 0.475 χ^2 /NDF: 7286.0/63

- sign 71.571 $\pm$ 0.683 χ^2 /NDF: 2969.5/31

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 $\pm$ 0.982 χ^2/NDF : 489.4/16

Left Out: -10.865 $\pm$ 0.602 χ^2/NDF : 253.1/14

Right Out: -36.251 $\pm$ 1.024 χ^2/NDF : 297.6/18

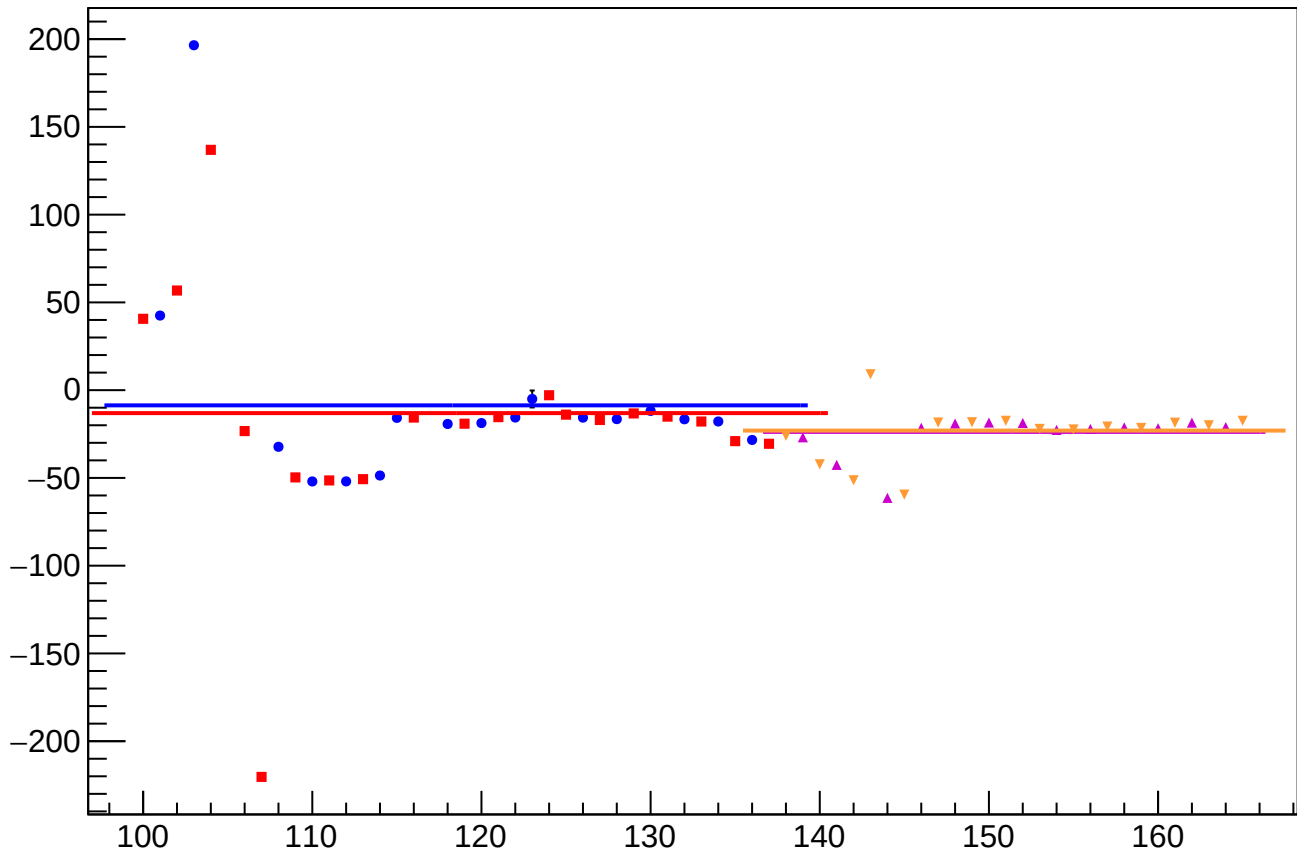
Left In: -11.209 $\pm$ 0.630 χ^2/NDF : 414.9/12

+ sign -16.980 $\pm$ 0.513 χ^2/NDF : 1121.0/31

All: -17.508 $\pm$ 0.371 χ^2/NDF : 2269.6/63

- sign -18.085 $\pm$ 0.537 χ^2/NDF : 1146.4/31

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -23.032 ± 0.028 $\chi^2/\text{NDF}: 171256.4/14$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

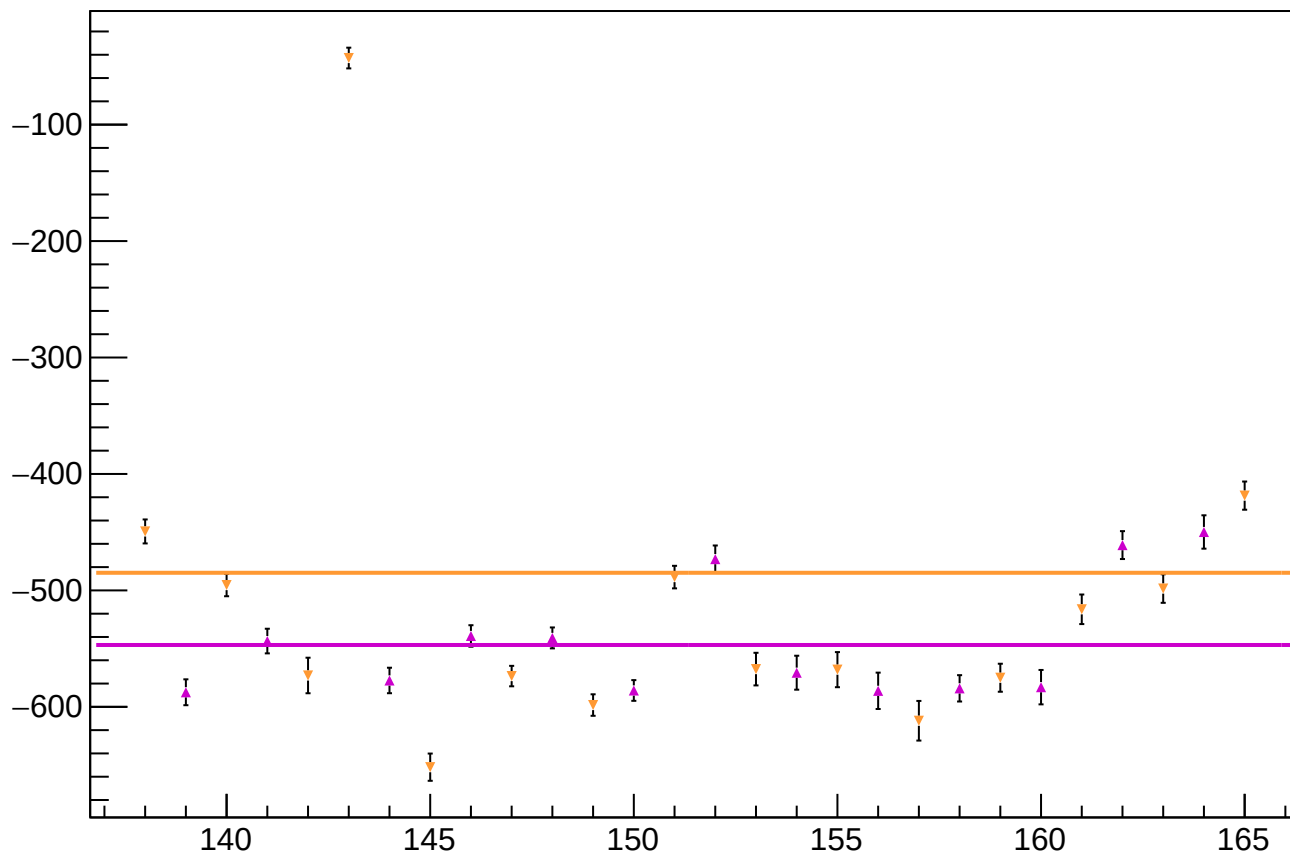
Left In: -23.776 ± 0.029 $\chi^2/\text{NDF}: 101161.1/12$

+ sign -20.342 ± 0.026 $\chi^2/\text{NDF}: 795115.2/31$

All: -21.061 ± 0.018 $\chi^2/\text{NDF}: 1480718.6/63$

- sign -21.827 ± 0.026 $\chi^2/\text{NDF}: 683969.1/31$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -484.861+/-2.894 χ^2/NDF : 3185.6/14

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

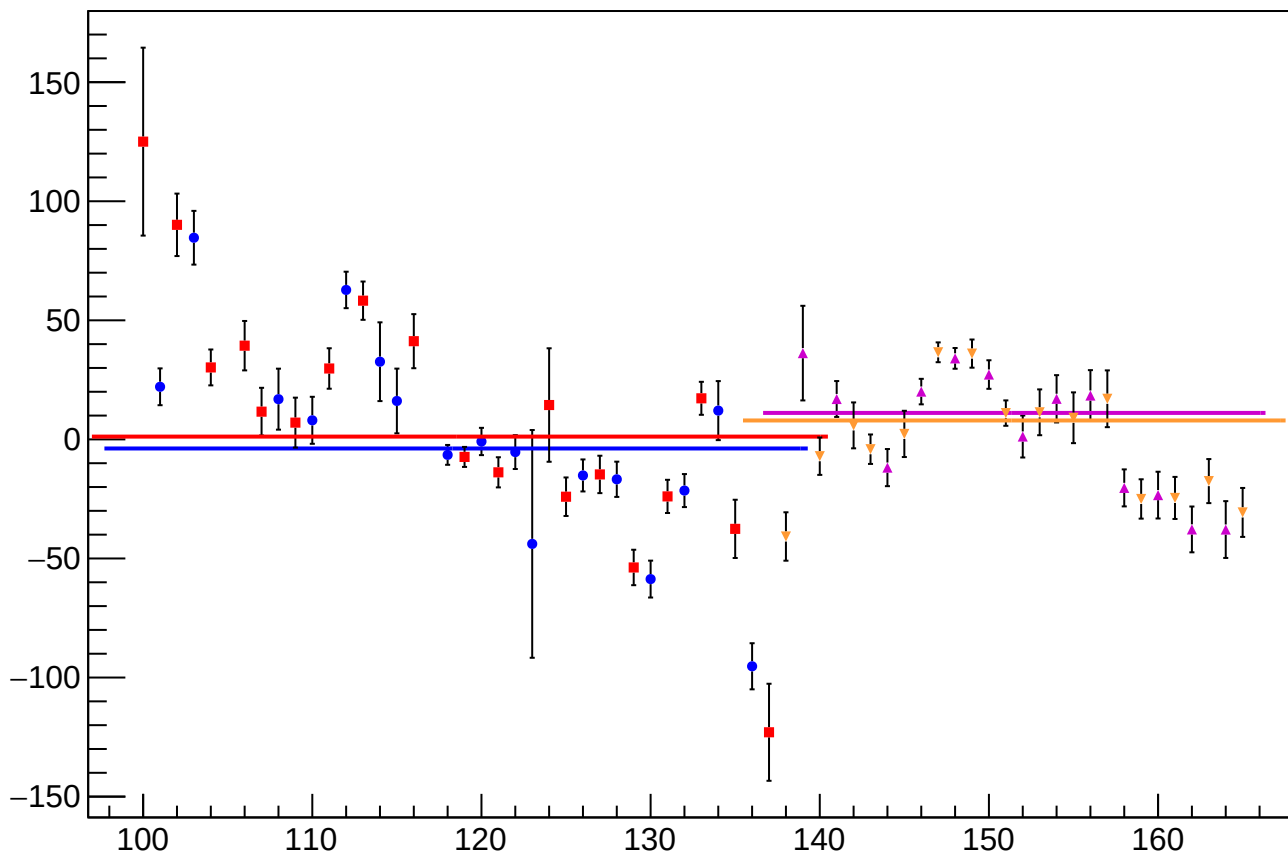
Left In: -546.874+/-3.123 χ^2/NDF : 204.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -513.505+/-2.123 χ^2/NDF : 3602.3/27

- 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: 7.950 ± 1.924 χ^2/NDF : 152.9/14

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

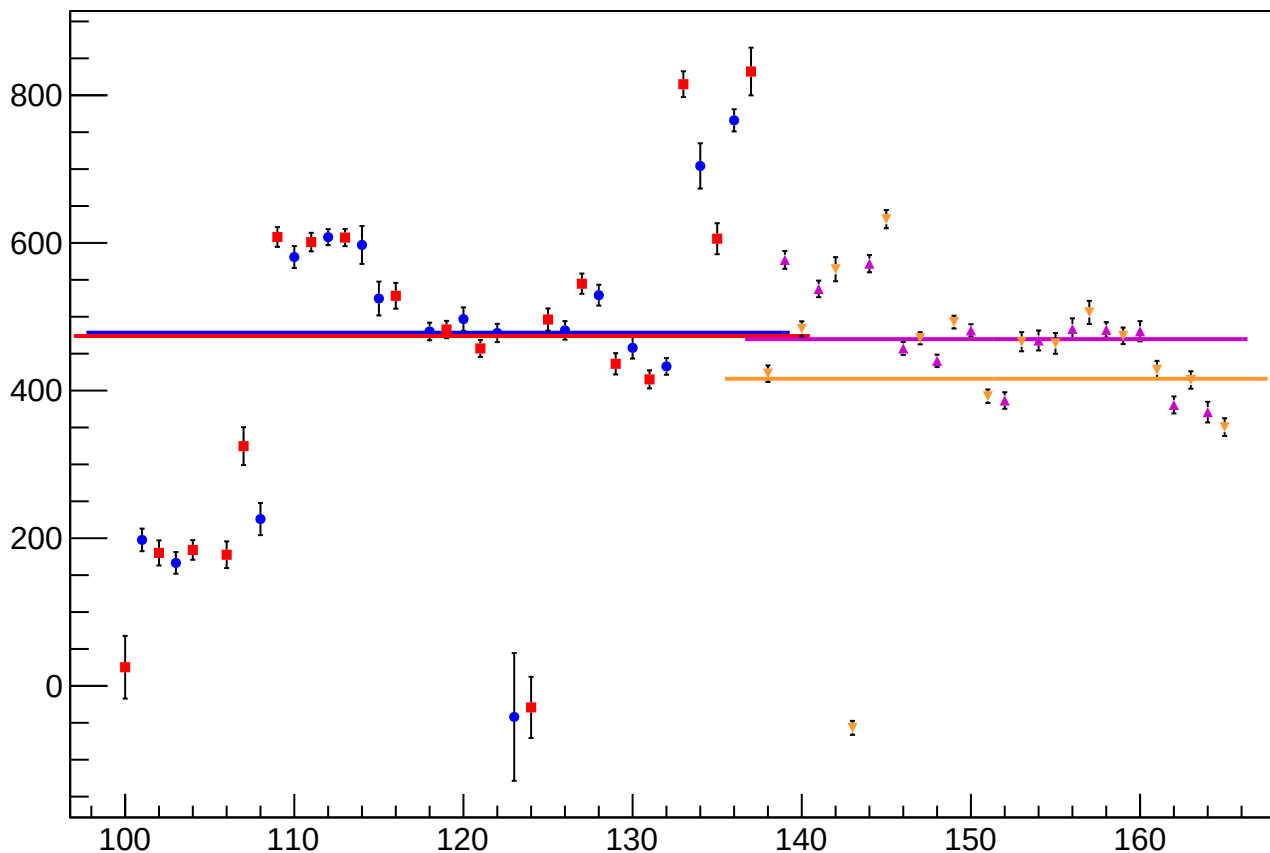
Left In: 11.120 ± 2.092 χ^2/NDF : 122.2/12

+ sign 2.064 ± 1.360 χ^2/NDF : 485.9/31

All: 3.818 ± 0.980 χ^2/NDF : 927.7/63

- sign 5.707 ± 1.412 χ^2/NDF : 438.3/31

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 ± 3.662 $\chi^2/\text{NDF}: 1628.8/16$

Left Out: 416.041 ± 2.851 $\chi^2/\text{NDF}: 3161.2/14$

Right Out: 473.902 ± 3.531 $\chi^2/\text{NDF}: 2285.0/18$

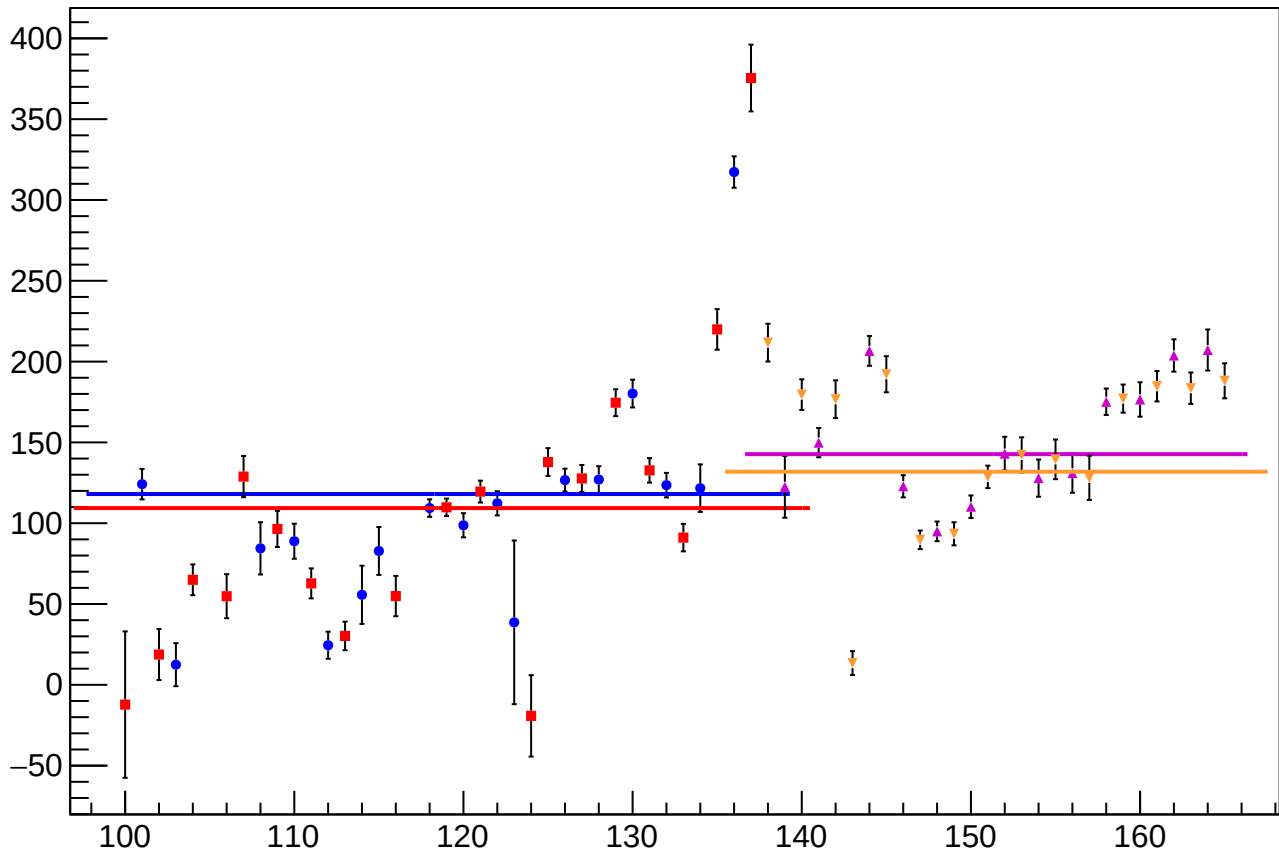
Left In: 469.690 ± 3.031 $\chi^2/\text{NDF}: 376.4/12$

+ sign 439.545 ± 2.249 $\chi^2/\text{NDF}: 4970.2/31$

All: 455.156 ± 1.608 $\chi^2/\text{NDF}: 7731.0/63$

- sign 471.477 ± 2.300 $\chi^2/\text{NDF}: 2662.3/31$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 131.886 ± 2.314 $\chi^2/\text{NDF}: 570.3/14$

Right Out: 109.367 ± 2.205 $\chi^2/\text{NDF}: 569.8/18$

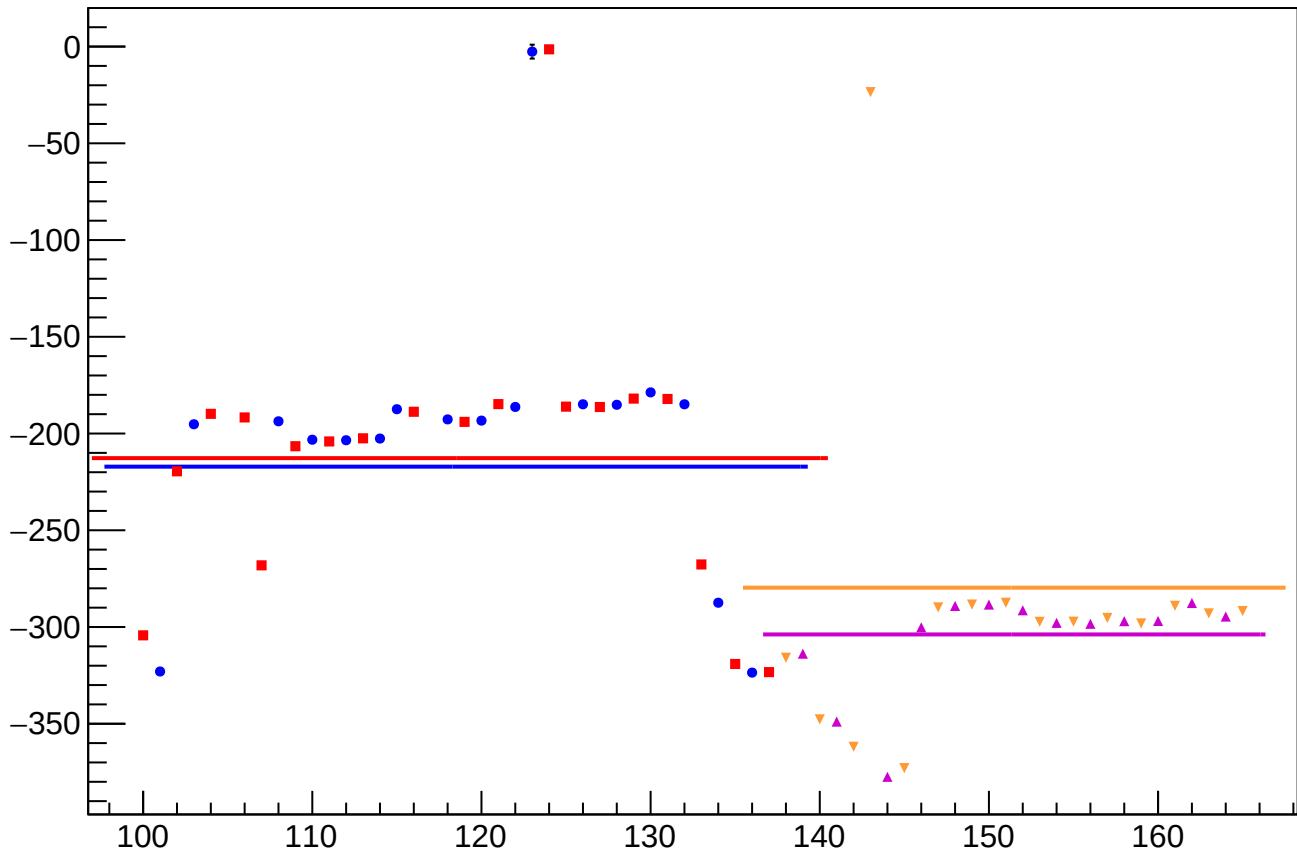
Left In: 142.733 ± 2.509 $\chi^2/\text{NDF}: 232.6/12$

+ sign 124.699 ± 1.604 $\chi^2/\text{NDF}: 1294.2/31$

All: 124.317 ± 1.152 $\chi^2/\text{NDF}: 2196.5/63$

- sign 123.909 ± 1.656 $\chi^2/\text{NDF}: 902.2/31$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 $\pm$ 0.137 χ^2/NDF : 146559.7/16

Left Out: -279.673 $\pm$ 0.115 χ^2/NDF : 545590.1/14

Right Out: -212.715 $\pm$ 0.130 χ^2/NDF : 115566.2/18

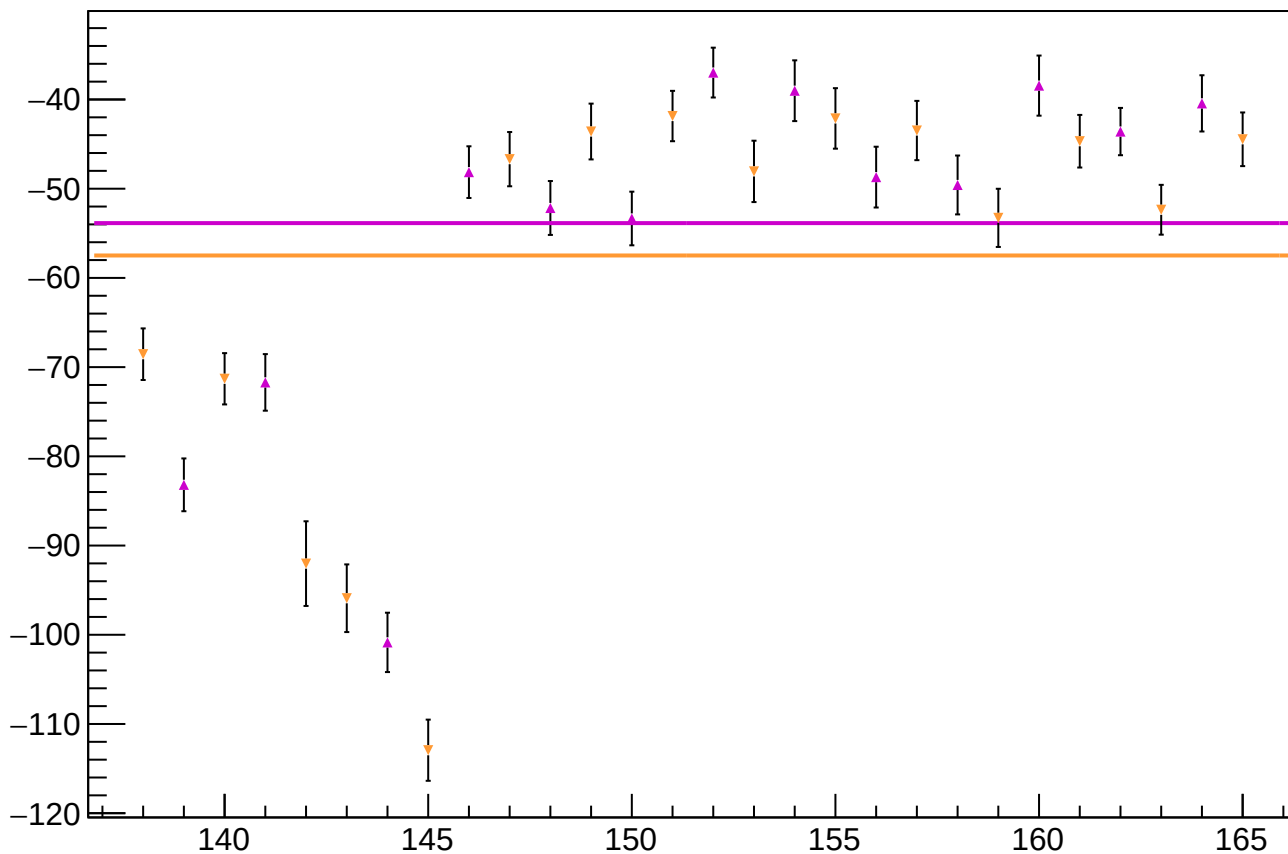
Left In: -303.840 $\pm$ 0.121 χ^2/NDF : 37722.6/12

+ sign -253.775 $\pm$ 0.088 χ^2/NDF : 815071.4/31

All: -257.678 $\pm$ 0.062 χ^2/NDF : 1235446.5/63

- sign -261.644 $\pm$ 0.089 χ^2/NDF : 416397.4/31

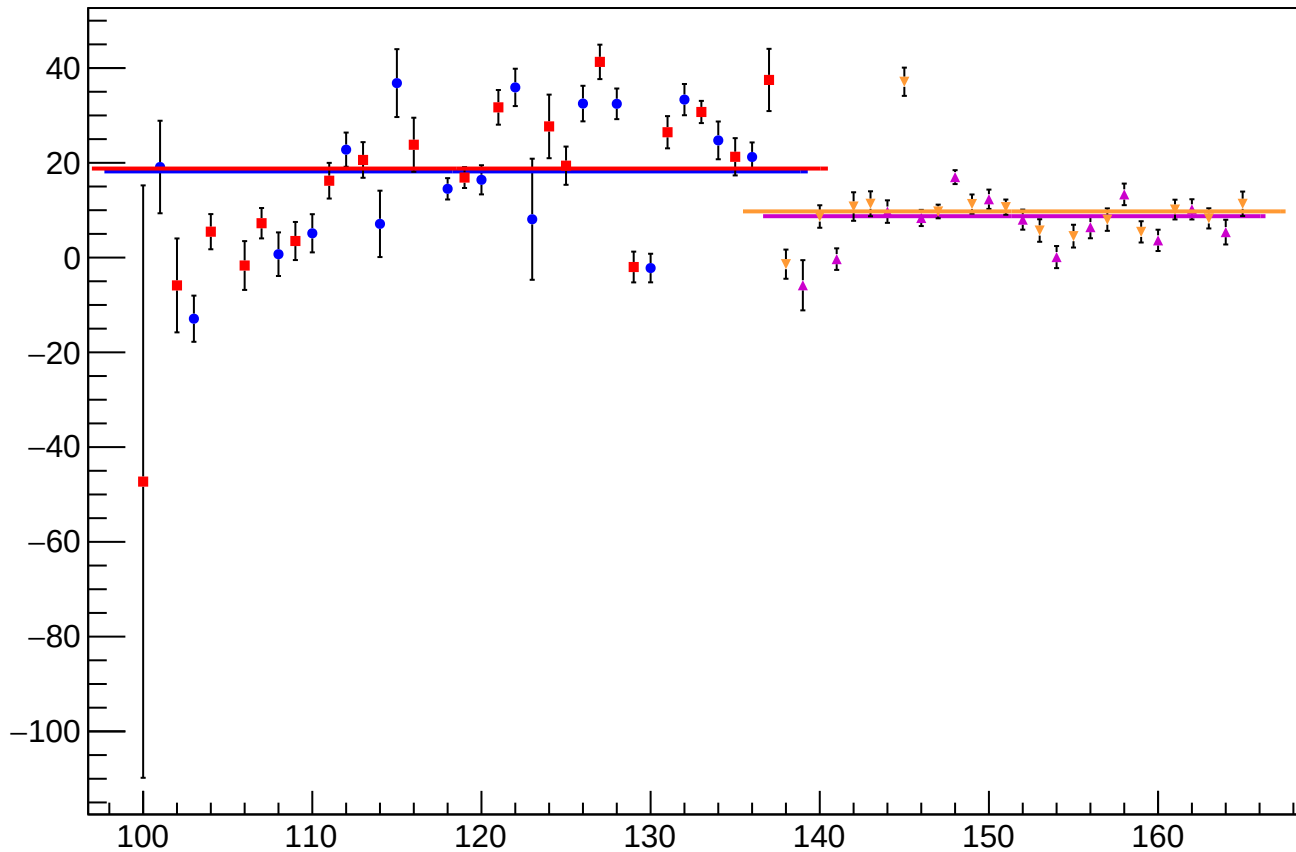
reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -57.485+/-0.820 χ^2/NDF : 606.5/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -53.857+/-0.855 χ^2/NDF : 447.3/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -55.747+/-0.592 χ^2/NDF : 1063.2/27
 - 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: 9.749 ± 0.569 χ^2/NDF : 111.7/14

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

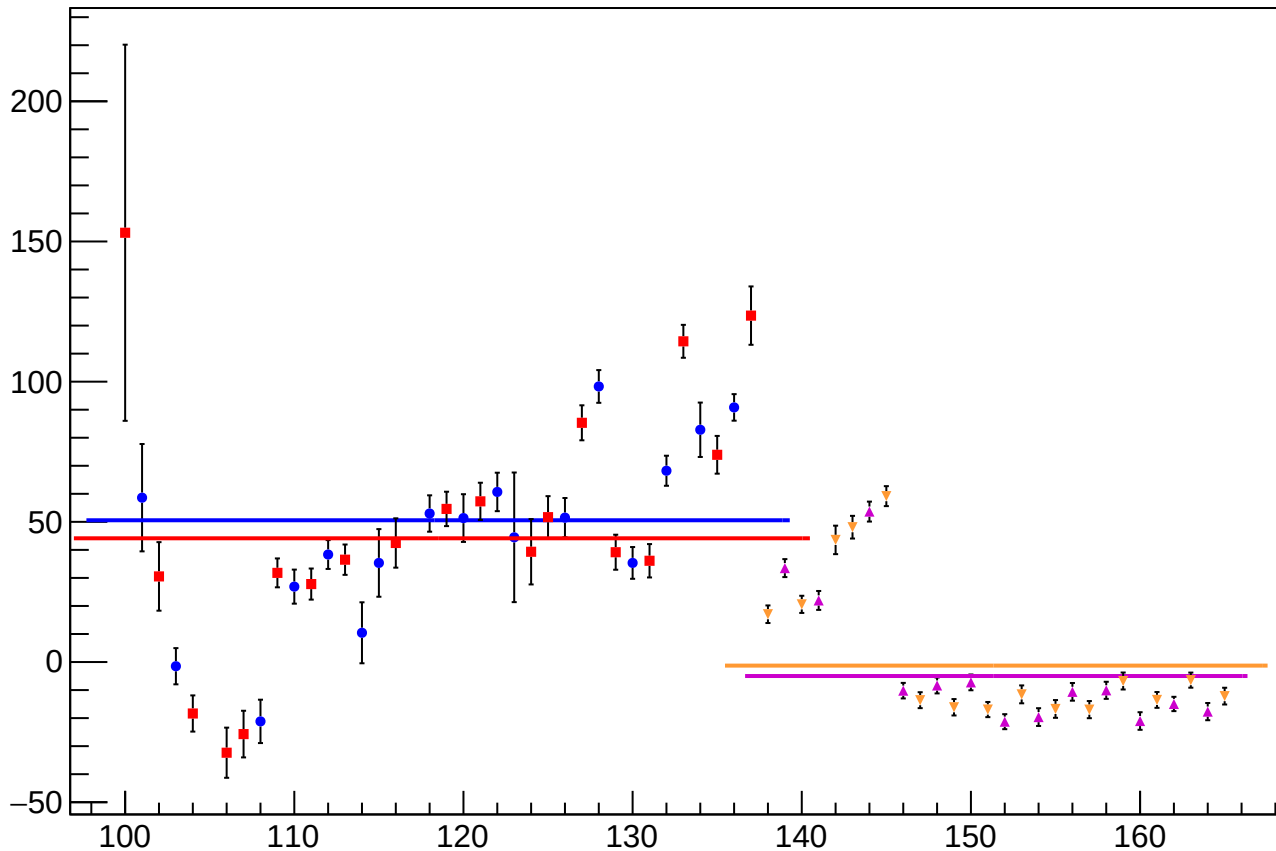
Left In: 8.733 ± 0.598 χ^2/NDF : 84.4/12

+ sign 12.092 ± 0.483 χ^2/NDF : 377.7/31

All: 12.044 ± 0.345 χ^2/NDF : 752.7/63

- sign 11.995 ± 0.491 χ^2/NDF : 375.0/31

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: -1.274 $\pm$ 0.802 χ^2 /NDF: 777.8/14

Right Out: 44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

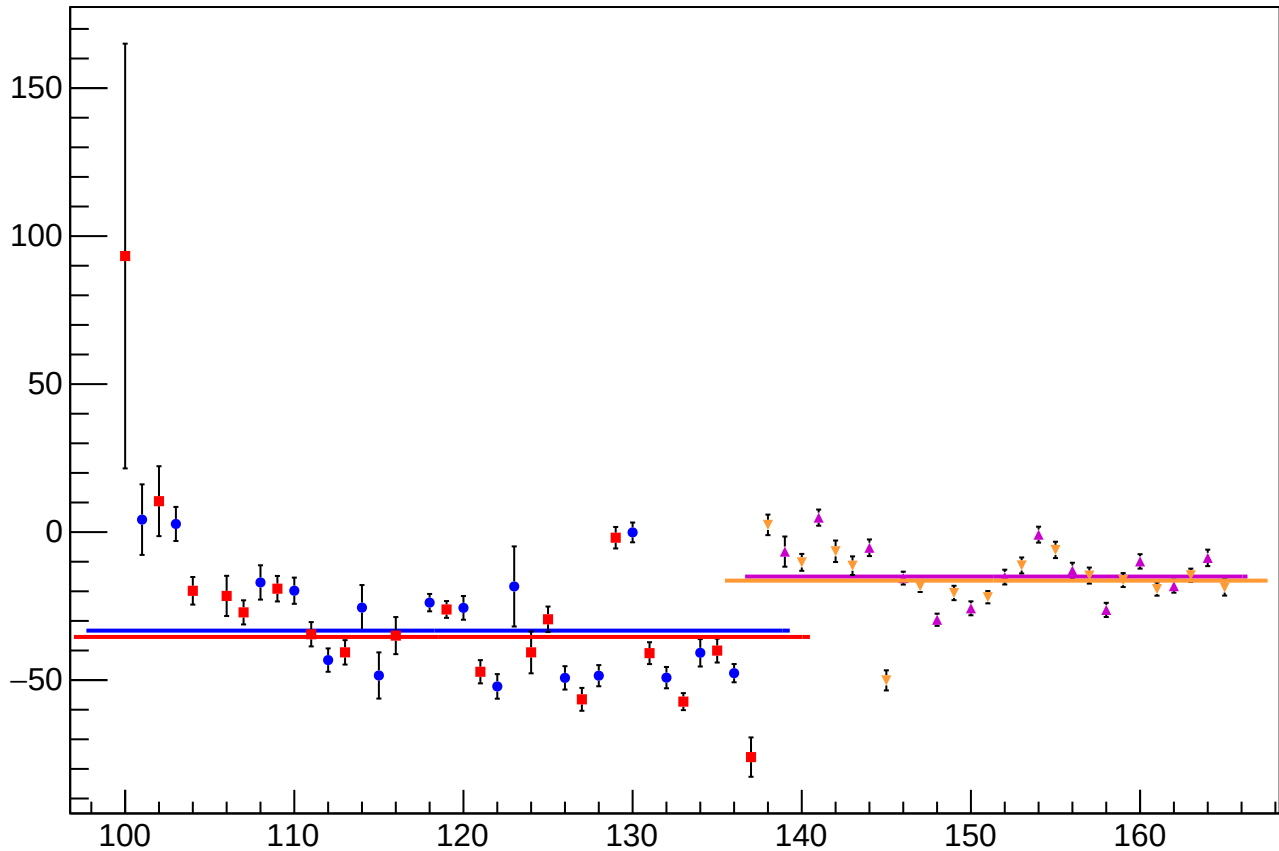
Left In: -4.988 $\pm$ 0.829 χ^2 /NDF: 608.3/12

+ sign 8.370 $\pm$ 0.724 χ^2 /NDF: 1913.0/31

All: 6.905 $\pm$ 0.516 χ^2 /NDF: 3803.3/63

- sign 5.386 $\pm$ 0.736 χ^2 /NDF: 1882.0/31

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.391 ± 0.668 χ^2/NDF : 174.7/14

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

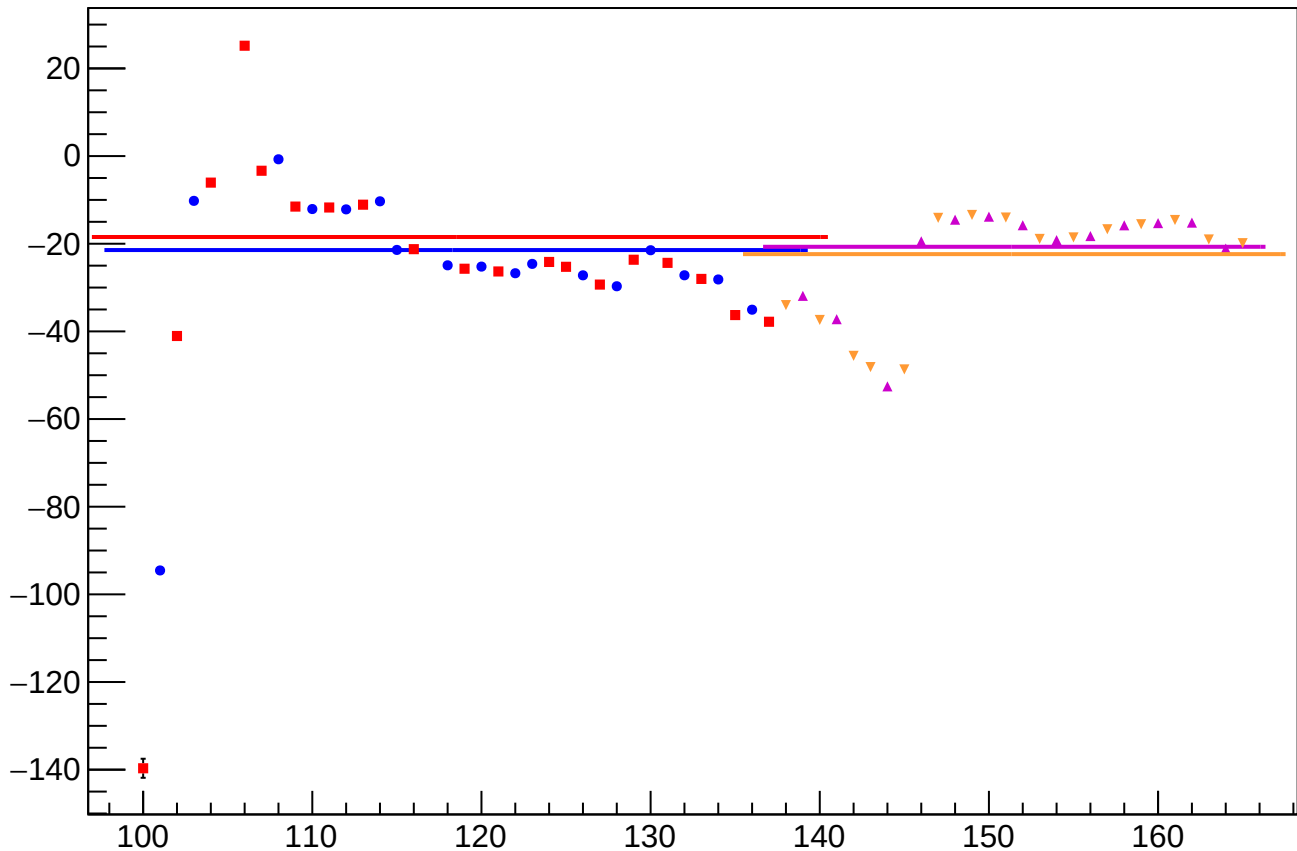
Left In: -15.020 ± 0.700 χ^2/NDF : 201.1/12

+ sign -21.299 ± 0.562 χ^2/NDF : 650.7/31

All: -21.550 ± 0.401 χ^2/NDF : 1424.4/63

- sign -21.810 ± 0.572 χ^2/NDF : 773.3/31

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -22.372 ± 0.031 $\chi^2/\text{NDF}: 124976.2/14$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

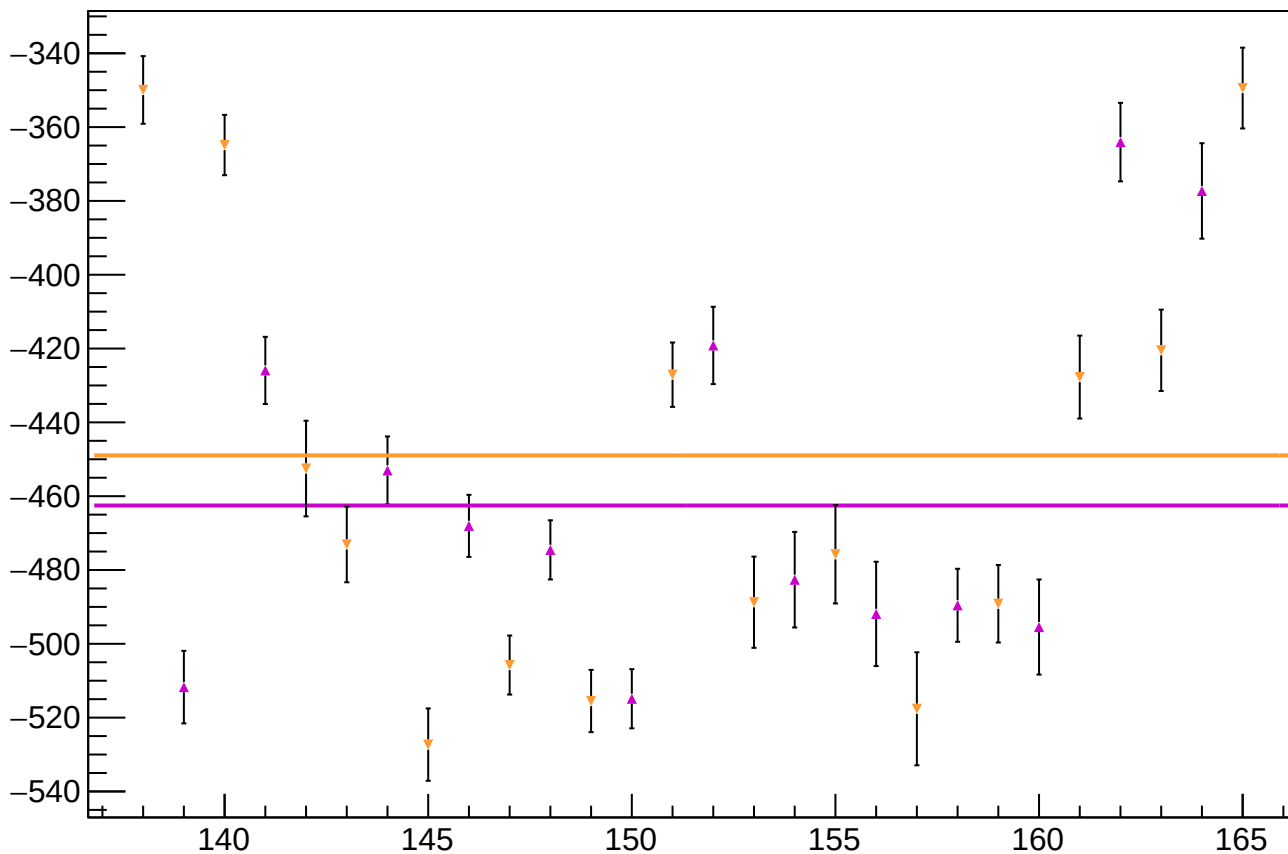
Left In: -20.696 ± 0.032 $\chi^2/\text{NDF}: 82666.0/12$

+ sign -22.165 ± 0.028 $\chi^2/\text{NDF}: 174138.4/31$

All: -21.178 ± 0.020 $\chi^2/\text{NDF}: 341000.7/63$

- sign -20.156 ± 0.028 $\chi^2/\text{NDF}: 164283.9/31$

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -448.953+/-2.621 χ^2/NDF : 553.0/14

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

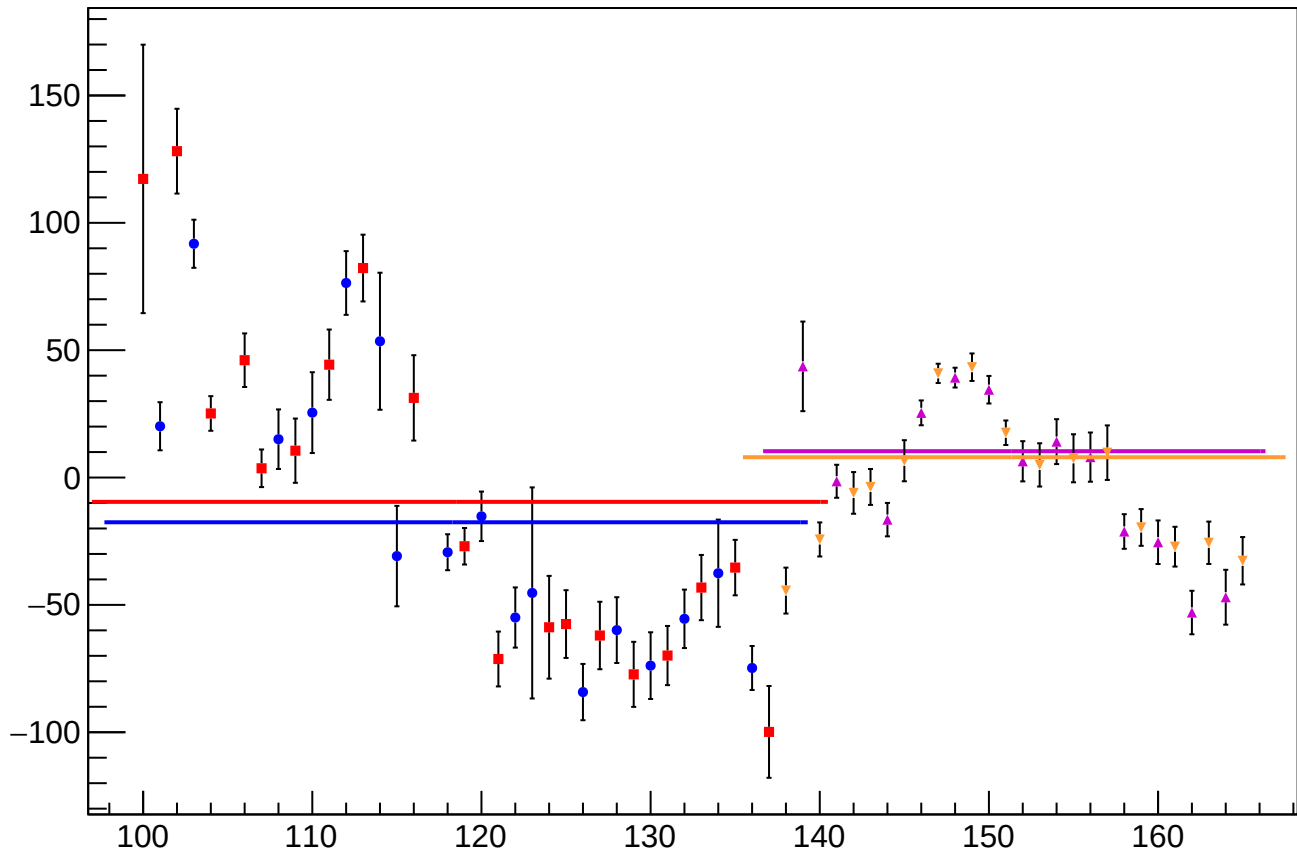
Left In: -462.530+/-2.767 χ^2/NDF : 254.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -455.374+/-1.903 χ^2/NDF : 820.4/27

- 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: 7.973 ± 1.747 χ^2/NDF : 255.6/14

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

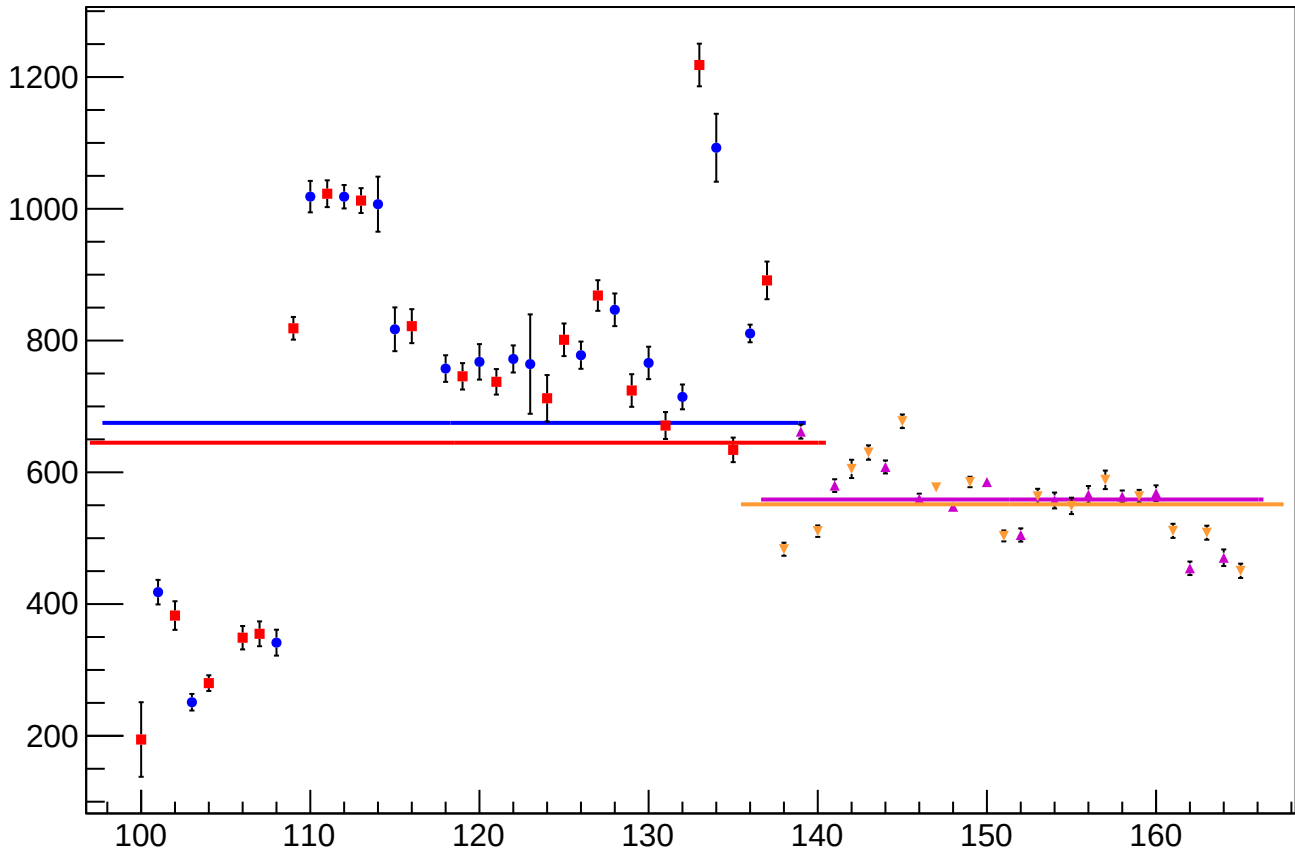
Left In: 10.344 ± 1.857 χ^2/NDF : 231.3/12

+ sign 0.894 ± 1.485 χ^2/NDF : 678.6/31

All: 2.249 ± 1.060 χ^2/NDF : 1320.4/63

- sign 3.656 ± 1.513 χ^2/NDF : 640.1/31

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 551.417 $\pm$ 2.578 χ^2 /NDF: 474.1/14

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

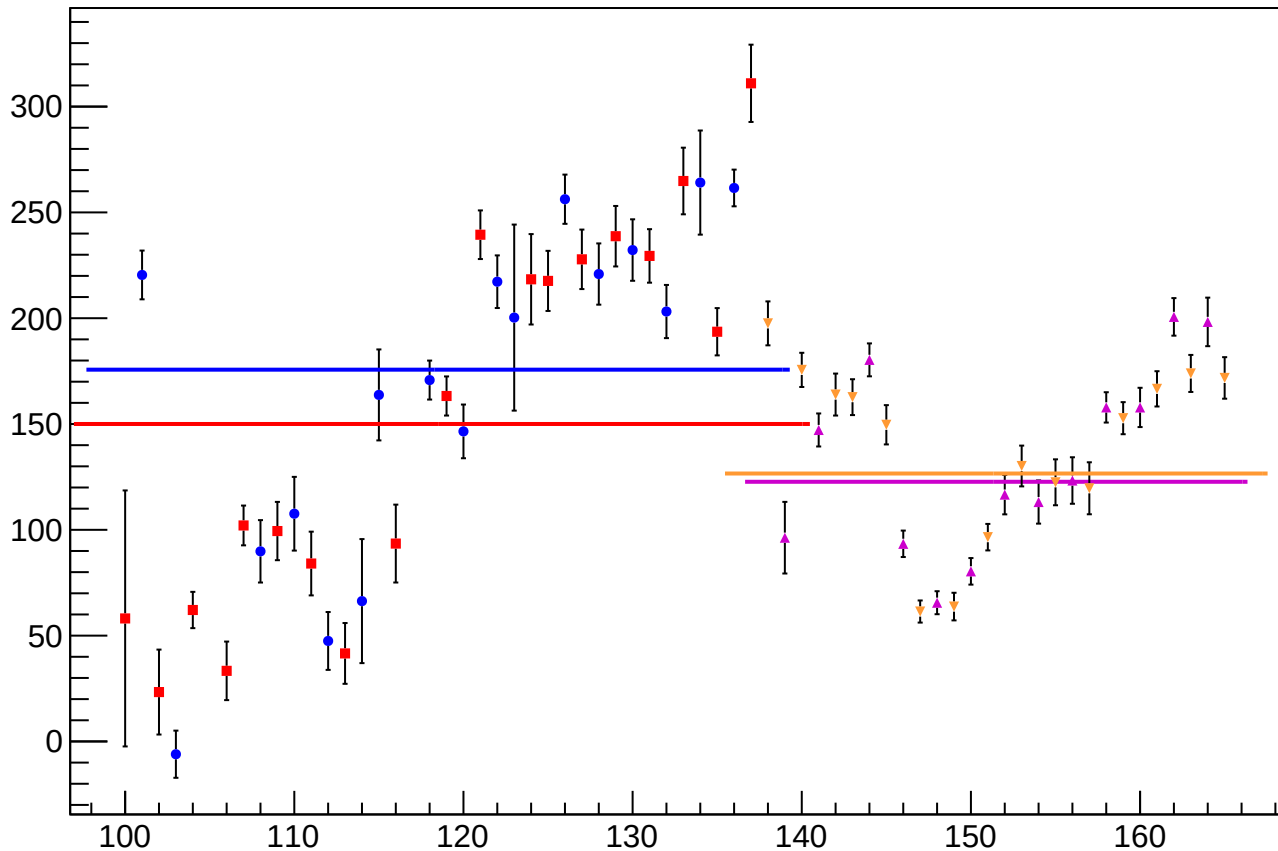
Left In: 558.722 $\pm$ 2.689 χ^2 /NDF: 321.6/12

+ sign 576.840 $\pm$ 2.298 χ^2 /NDF: 3531.2/31

All: 578.179 $\pm$ 1.640 χ^2 /NDF: 7224.1/63

- sign 579.570 $\pm$ 2.342 χ^2 /NDF: 3692.2/31

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 126.611 ± 2.099 χ^2/NDF : 479.5/14

Right Out: 150.017 ± 3.042 χ^2/NDF : 693.8/18

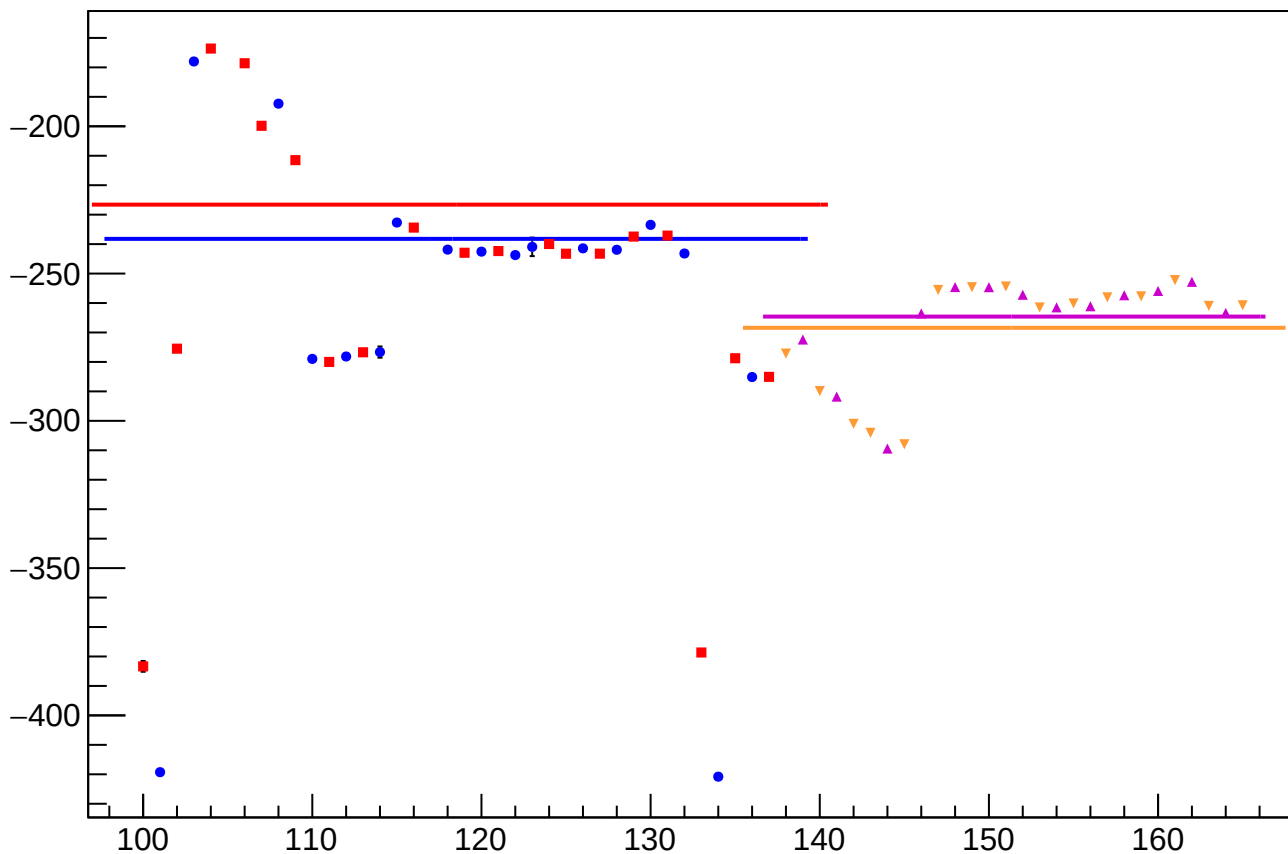
Left In: 122.703 ± 2.225 χ^2/NDF : 405.4/12

+ sign 141.125 ± 1.761 χ^2/NDF : 1279.1/31

All: 136.759 ± 1.257 χ^2/NDF : 2443.3/63

- sign 132.221 ± 1.796 χ^2/NDF : 1151.7/31

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 $\pm$ 0.160 χ^2 /NDF: 167120.0/16

Left Out: -268.408 $\pm$ 0.104 χ^2 /NDF: 31839.9/14

Right Out: -226.597 $\pm$ 0.151 χ^2 /NDF: 102562.3/18

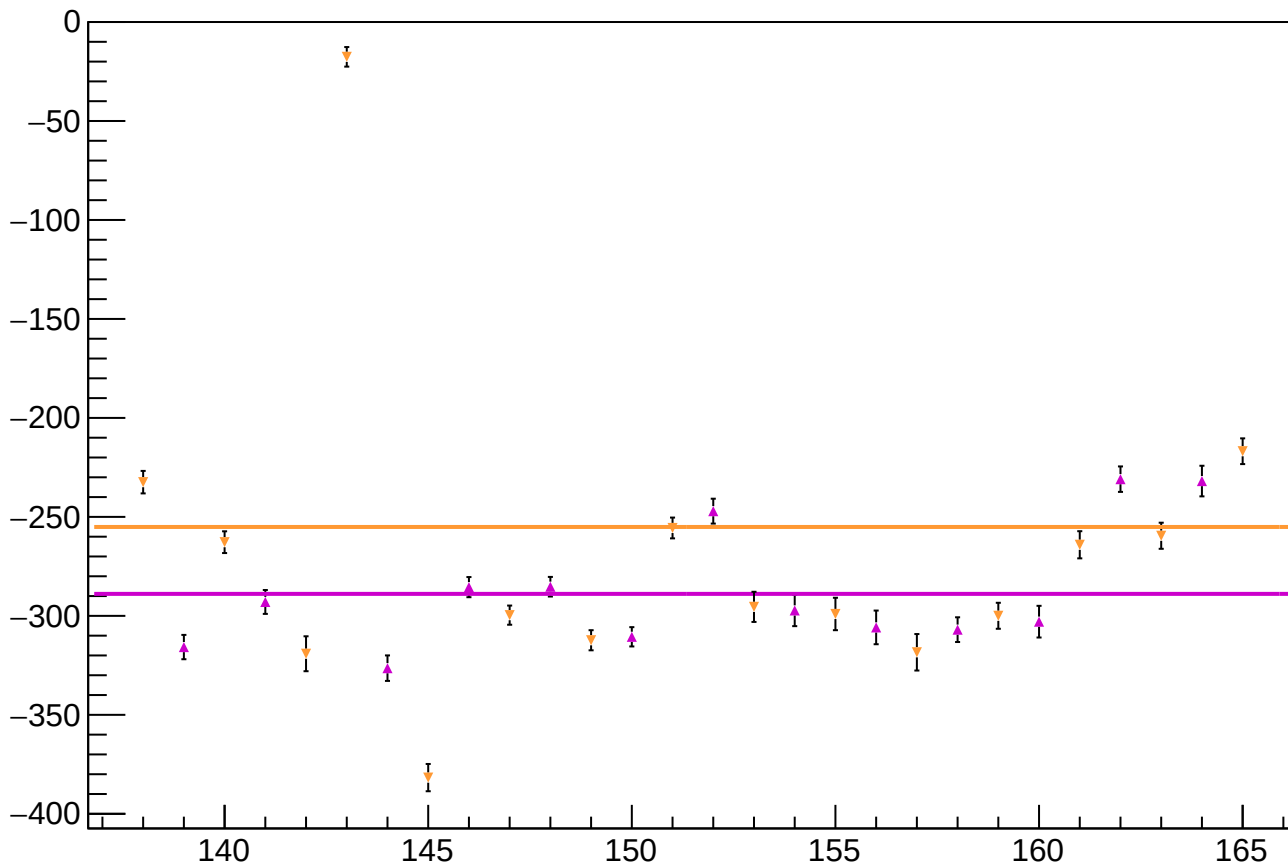
Left In: -264.603 $\pm$ 0.107 χ^2 /NDF: 20252.7/12

+ sign -259.504 $\pm$ 0.087 χ^2 /NDF: 223922.5/31

All: -255.713 $\pm$ 0.062 χ^2 /NDF: 392577.0/63

- sign -251.893 $\pm$ 0.087 χ^2 /NDF: 164853.5/31

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -255.089+/-1.598 χ^2/NDF : 3112.8/14

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

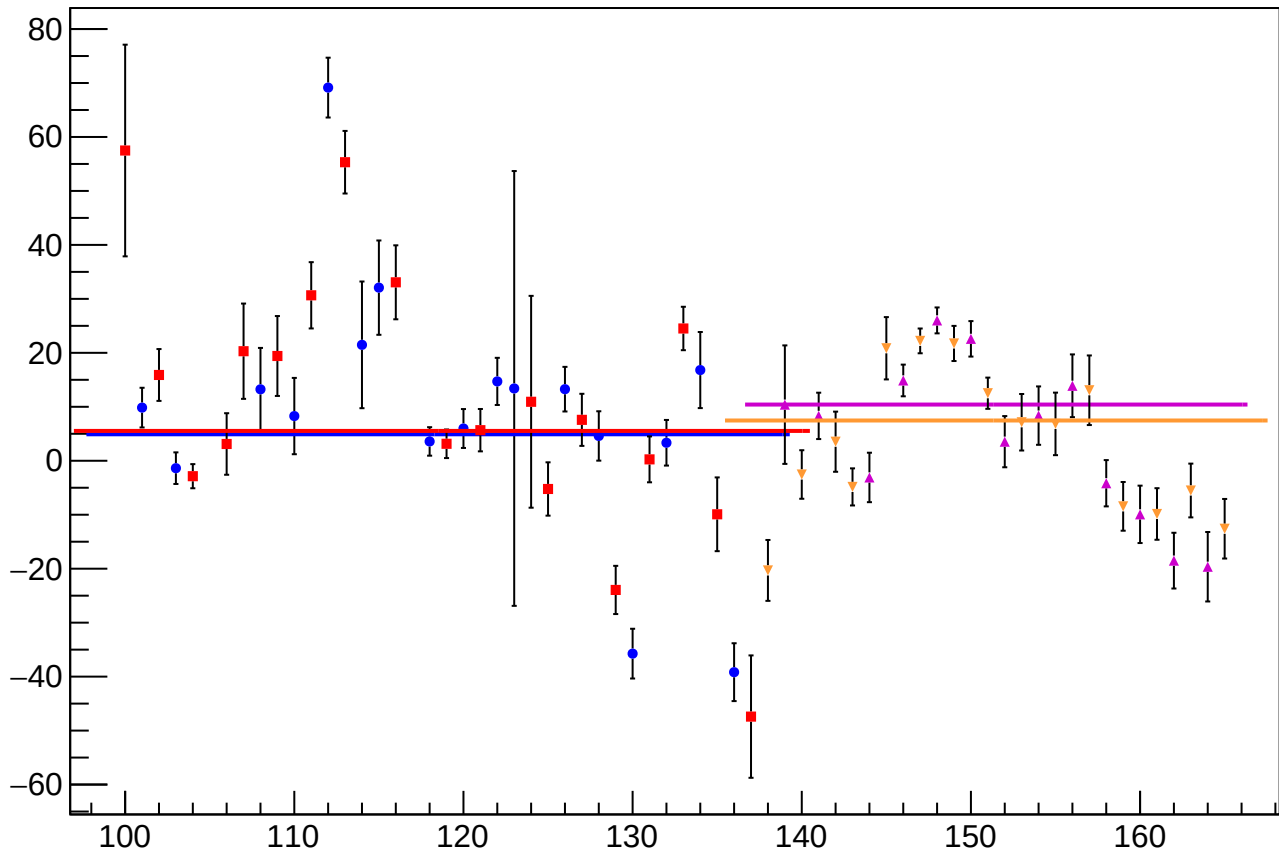
Left In: -288.893+/-1.723 χ^2/NDF : 270.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -270.719+/-1.172 χ^2/NDF : 3590.2/27

- 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: 7.461 ± 1.061 χ^2/NDF : 157.8/14

Right Out: 5.530 ± 1.069 χ^2/NDF : 238.9/18

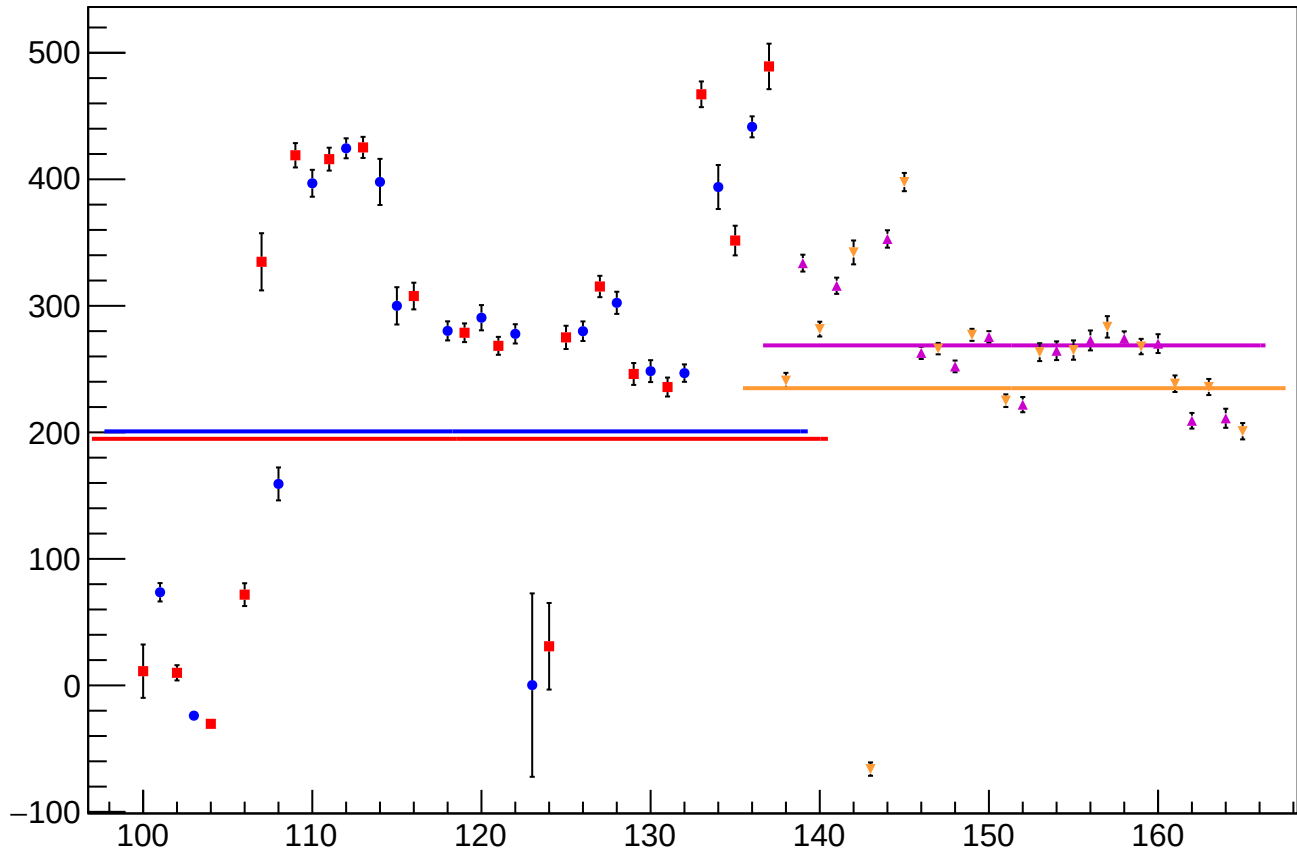
Left In: 10.415 ± 1.153 χ^2/NDF : 149.1/12

+ sign 6.235 ± 0.766 χ^2/NDF : 472.3/31

All: 6.992 ± 0.548 χ^2/NDF : 872.0/63

- sign 7.786 ± 0.784 χ^2/NDF : 397.7/31

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 234.910 $\pm$ 1.571 χ^2 /NDF: 4206.1/14

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

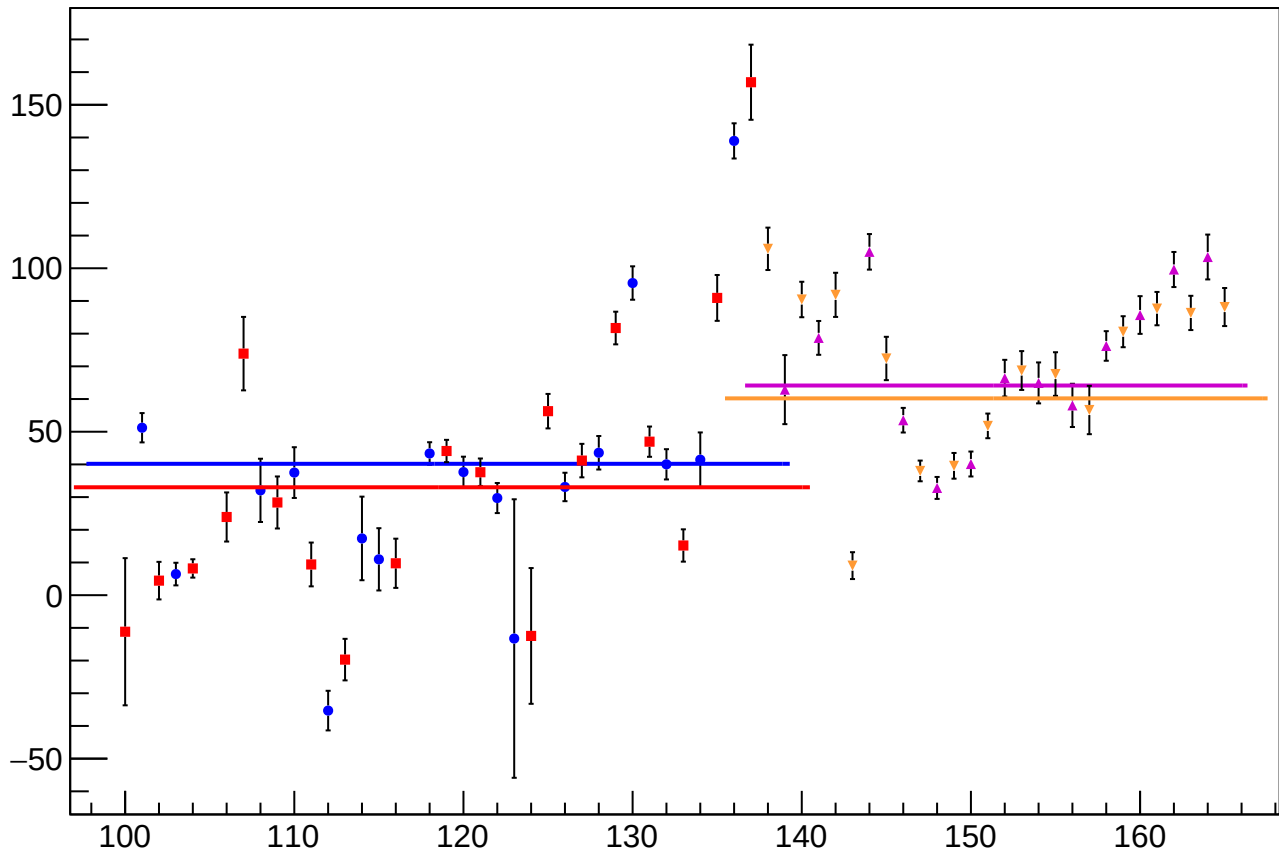
Left In: 268.732 $\pm$ 1.670 χ^2 /NDF: 527.7/12

+ sign 221.745 $\pm$ 1.232 χ^2 /NDF: 11121.1/31

All: 229.196 $\pm$ 0.881 χ^2 /NDF: 20811.2/63

- sign 237.008 $\pm$ 1.261 χ^2 /NDF: 9615.1/31

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 $\pm$ 1.283 χ^2 /NDF: 734.6/16

Left Out: 60.201 $\pm$ 1.276 χ^2 /NDF: 441.9/14

Right Out: 33.006 $\pm$ 1.250 χ^2 /NDF: 552.7/18

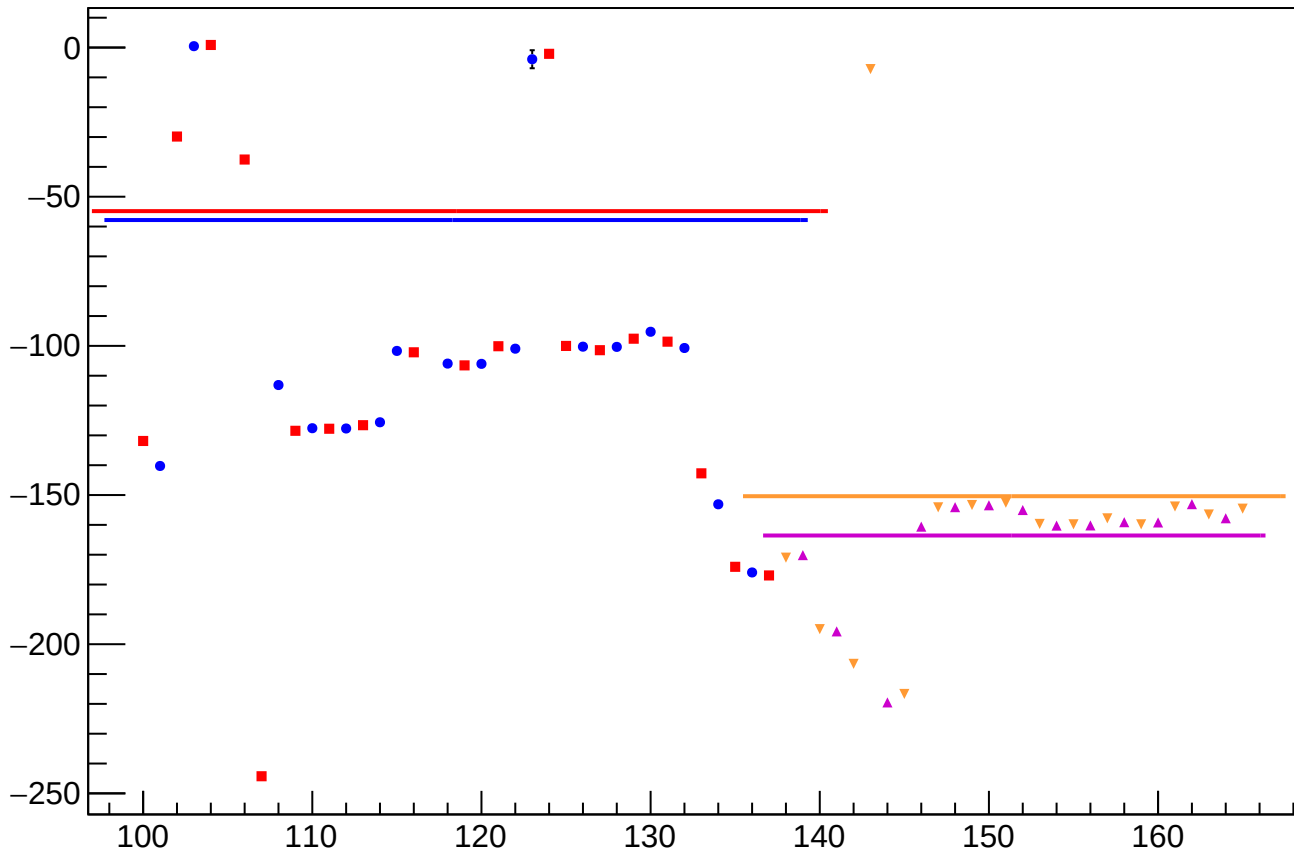
Left In: 64.133 $\pm$ 1.383 χ^2 /NDF: 297.8/12

+ sign 50.251 $\pm$ 0.905 χ^2 /NDF: 1298.9/31

All: 48.671 $\pm$ 0.648 χ^2 /NDF: 2434.4/63

- sign 47.010 $\pm$ 0.927 χ^2 /NDF: 1129.3/31

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -150.392 ± 0.063 $\chi^2/\text{NDF}: 579840.6/14$

Right Out: -54.833 ± 0.060 $\chi^2/\text{NDF}: 1000741.7/18$

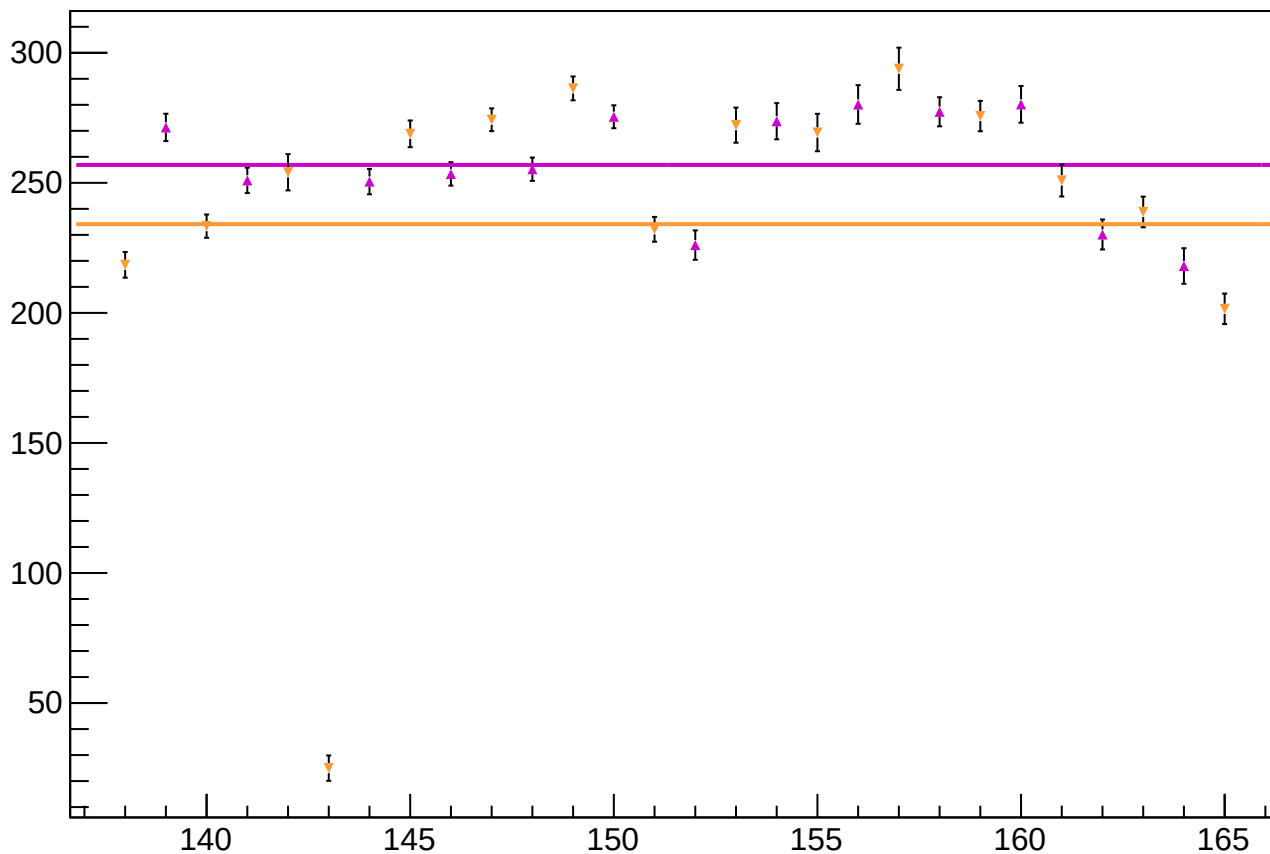
Left In: -163.563 ± 0.067 $\chi^2/\text{NDF}: 60153.3/12$

+ sign -103.063 ± 0.044 $\chi^2/\text{NDF}: 2778133.0/31$

All: -103.441 ± 0.031 $\chi^2/\text{NDF}: 5307508.8/63$

- sign -103.826 ± 0.045 $\chi^2/\text{NDF}: 2529228.3/31$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 234.113+/-1.407 χ^2/NDF : 2321.5/14

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

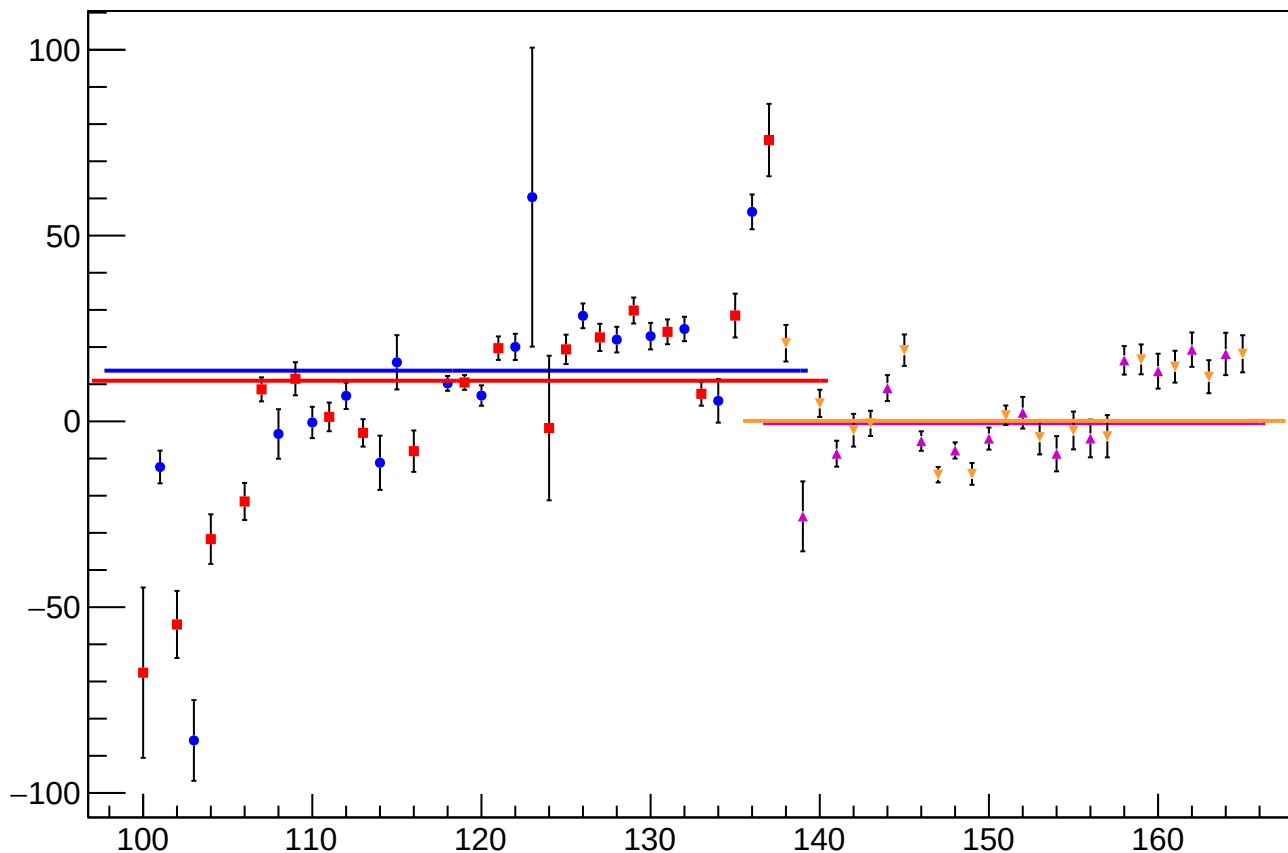
Left In: 256.889+/-1.500 χ^2/NDF : 152.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 244.773+/-1.026 χ^2/NDF : 2596.7/27

- 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 $\chi^2/\text{NDF}: 294.0/16$

Left Out: 0.140 ± 0.943 $\chi^2/\text{NDF}: 163.2/14$

Right Out: 10.944 ± 0.913 $\chi^2/\text{NDF}: 302.5/18$

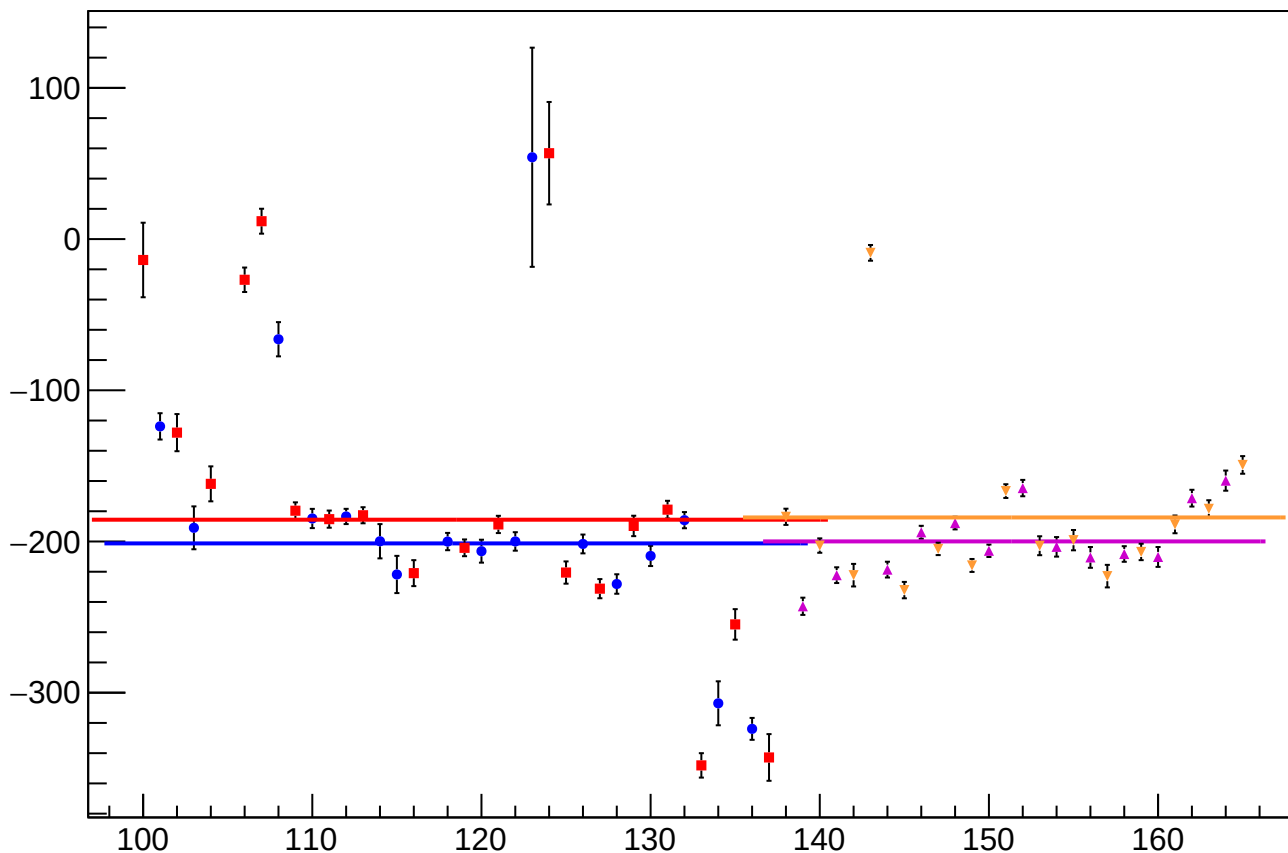
Left In: -0.480 ± 1.012 $\chi^2/\text{NDF}: 98.2/12$

+ sign 6.942 ± 0.664 $\chi^2/\text{NDF}: 560.7/31$

All: 6.392 ± 0.475 $\chi^2/\text{NDF}: 1033.0/63$

- sign 5.818 ± 0.678 $\chi^2/\text{NDF}: 470.9/31$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -184.101 ± 1.387 χ^2/NDF : 1444.1/14

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

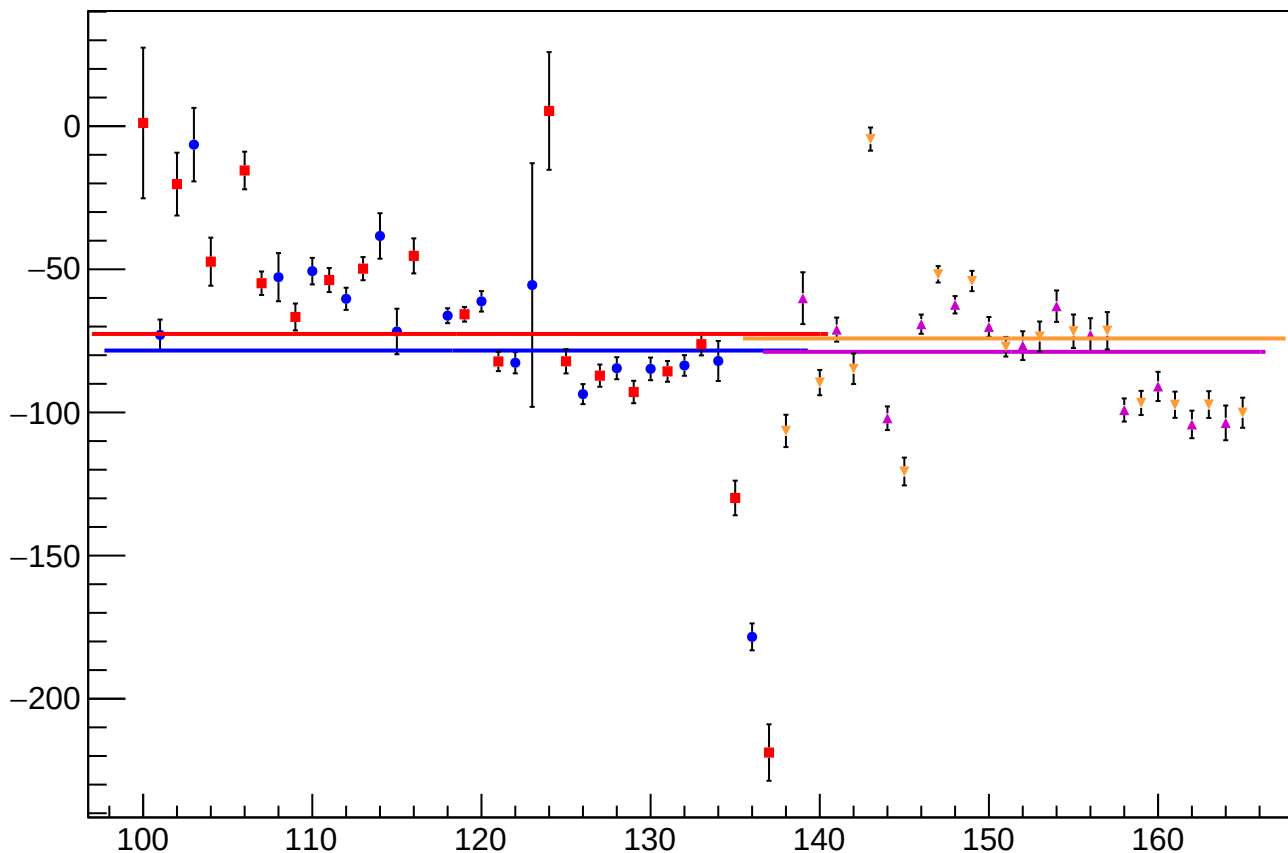
Left In: -199.949 ± 1.460 χ^2/NDF : 213.5/12

+ sign -190.519 ± 1.098 χ^2/NDF : 2124.7/31

All: -192.171 ± 0.780 χ^2/NDF : 4129.9/63

- sign -193.852 ± 1.107 χ^2/NDF : 2000.6/31

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -74.154 ± 1.131 χ^2/NDF : 633.5/14

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

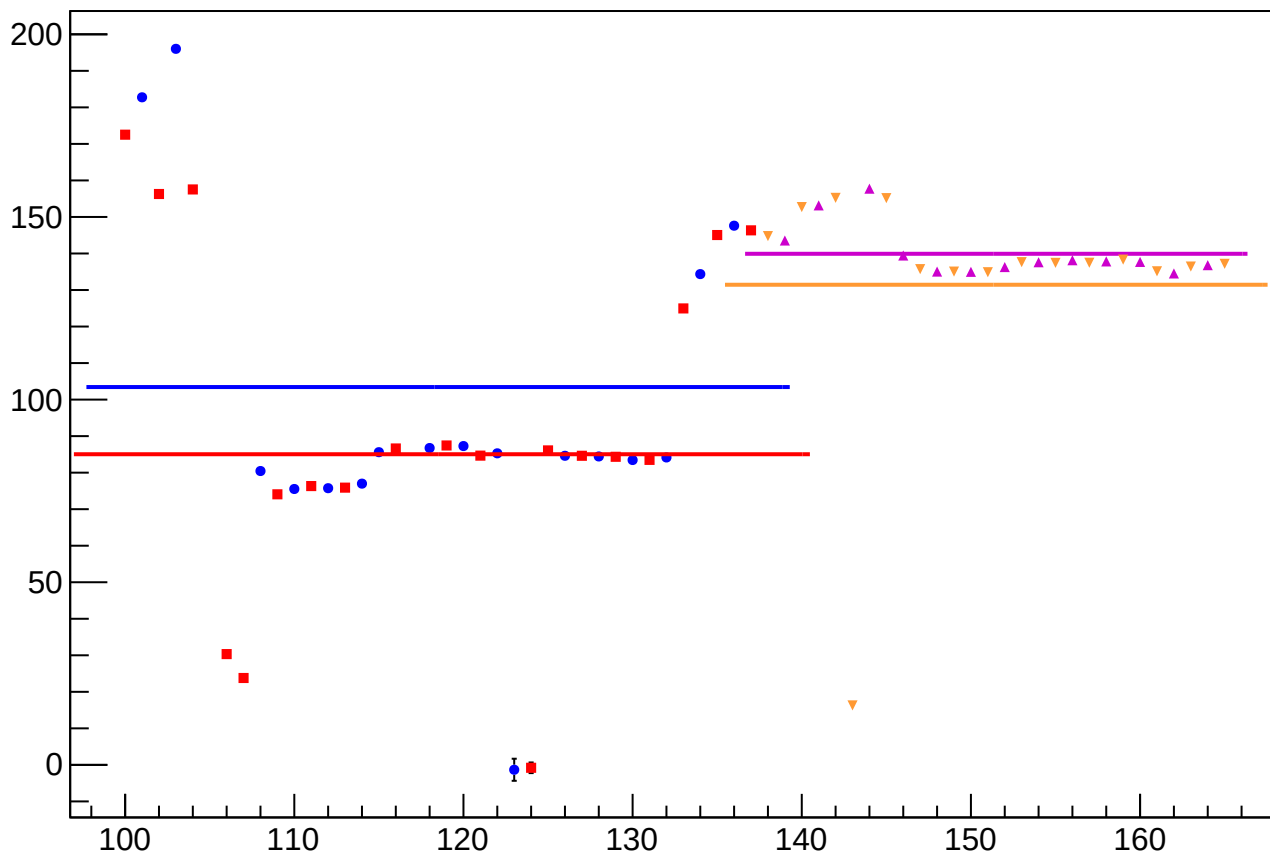
Left In: -78.827 ± 1.211 χ^2/NDF : 168.3/12

+ sign -76.359 ± 0.782 χ^2/NDF : 1292.1/31

All: -75.820 ± 0.557 χ^2/NDF : 2082.4/63

- sign -75.263 ± 0.794 χ^2/NDF : 789.3/31

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2/NDF : 272785.6/16

Left Out: 131.442 $\pm$ 0.056 χ^2/NDF : 345523.7/14

Right Out: 85.043 $\pm$ 0.064 χ^2/NDF : 422343.0/18

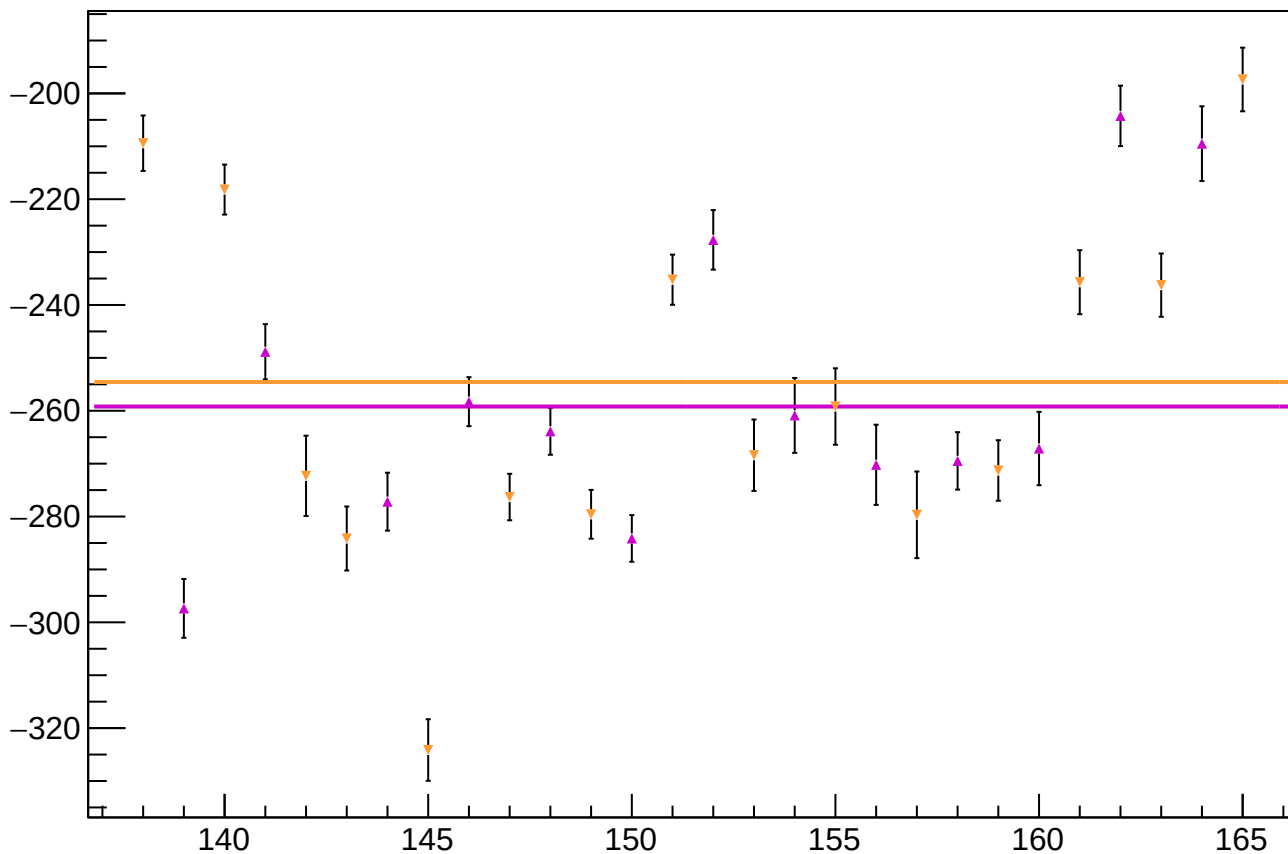
Left In: 139.918 $\pm$ 0.058 χ^2/NDF : 13310.6/12

+ sign 120.738 $\pm$ 0.044 χ^2/NDF : 714760.8/31

All: 117.803 $\pm$ 0.031 χ^2/NDF : 1563569.4/63

- sign 114.980 $\pm$ 0.043 χ^2/NDF : 840005.0/31

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -254.569+/-1.462 χ^2/NDF : 508.3/14

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

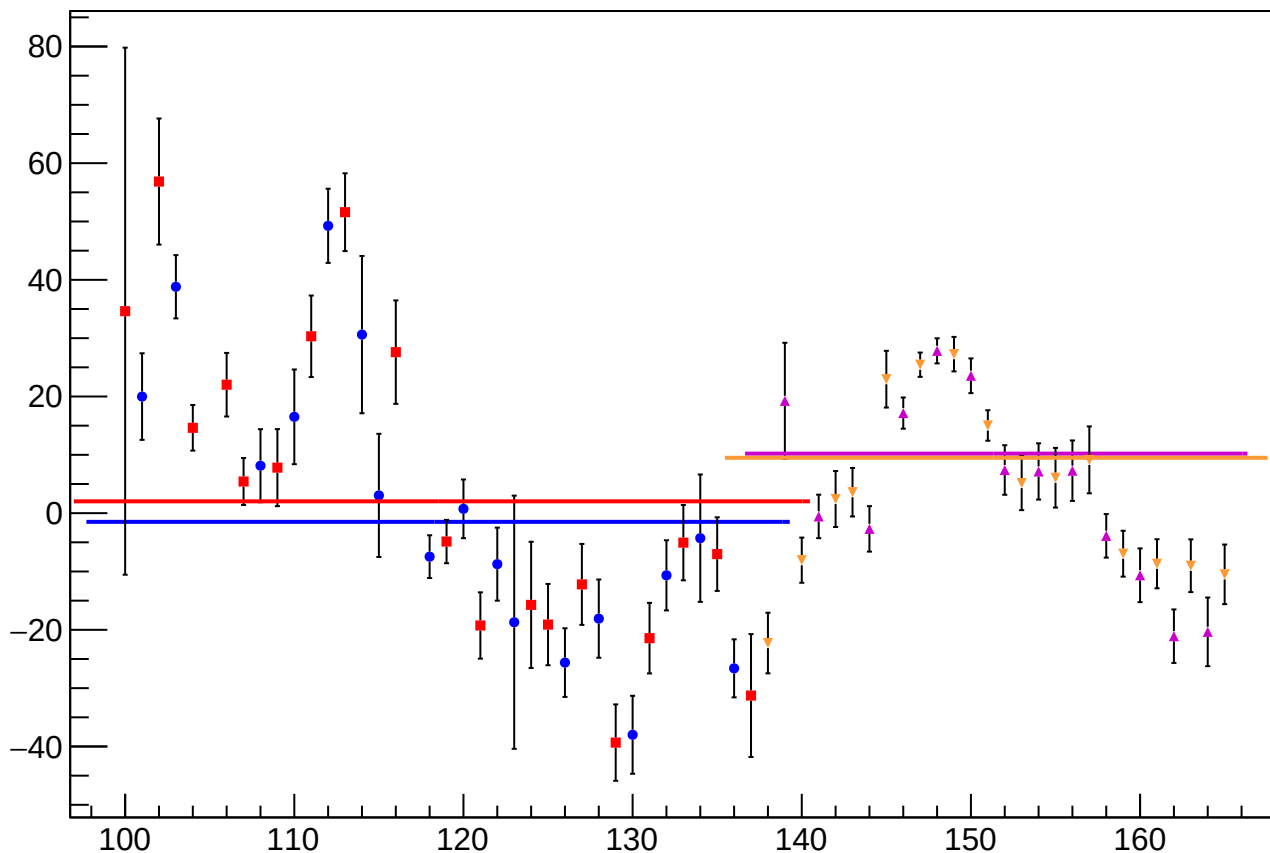
Left In: -259.201+/-1.533 χ^2/NDF : 275.3/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -256.775+/-1.058 χ^2/NDF : 788.4/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 $\pm$ 1.536 χ^2 /NDF: 226.0/16

Left Out: 9.493 $\pm$ 0.970 χ^2 /NDF:238.6/14

Right Out: 2.028 $\pm$ 1.400 χ^2 /NDF: 233.3/18

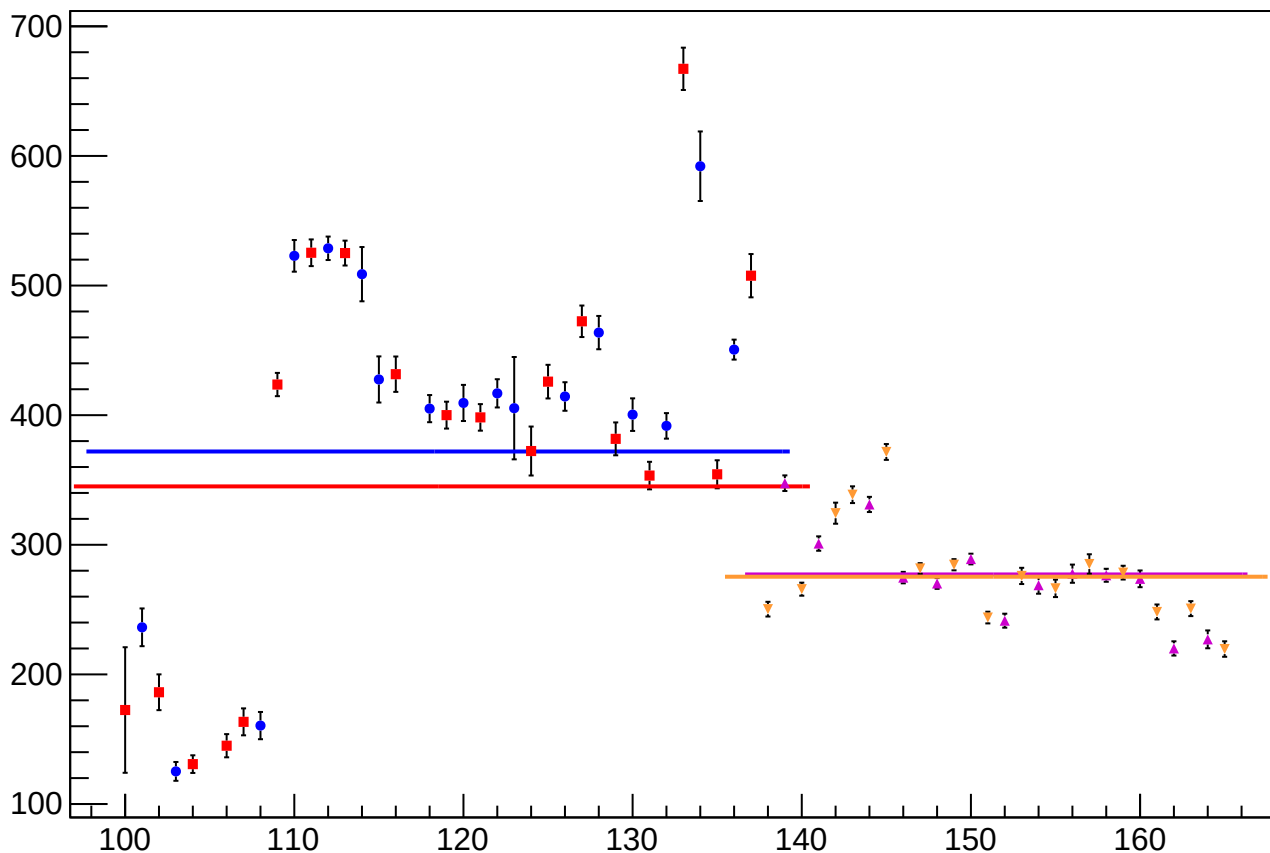
Left In: 10.205 $\pm$ 1.027 χ^2 /NDF:223.6/12

+ sign 6.361 $\pm$ 0.820 χ^2 /NDF: 501.1/31

All: 6.847 $\pm$ 0.583 χ^2 /NDF: 980.9/63

- sign 7.342 $\pm$ 0.828 χ^2 /NDF: 479.0/31

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 ± 2.778 $\chi^2/\text{NDF}: 2432.6/16$

Left Out: 275.361 ± 1.433 $\chi^2/\text{NDF}: 590.7/14$

Right Out: 345.043 ± 2.562 $\chi^2/\text{NDF}: 3415.2/18$

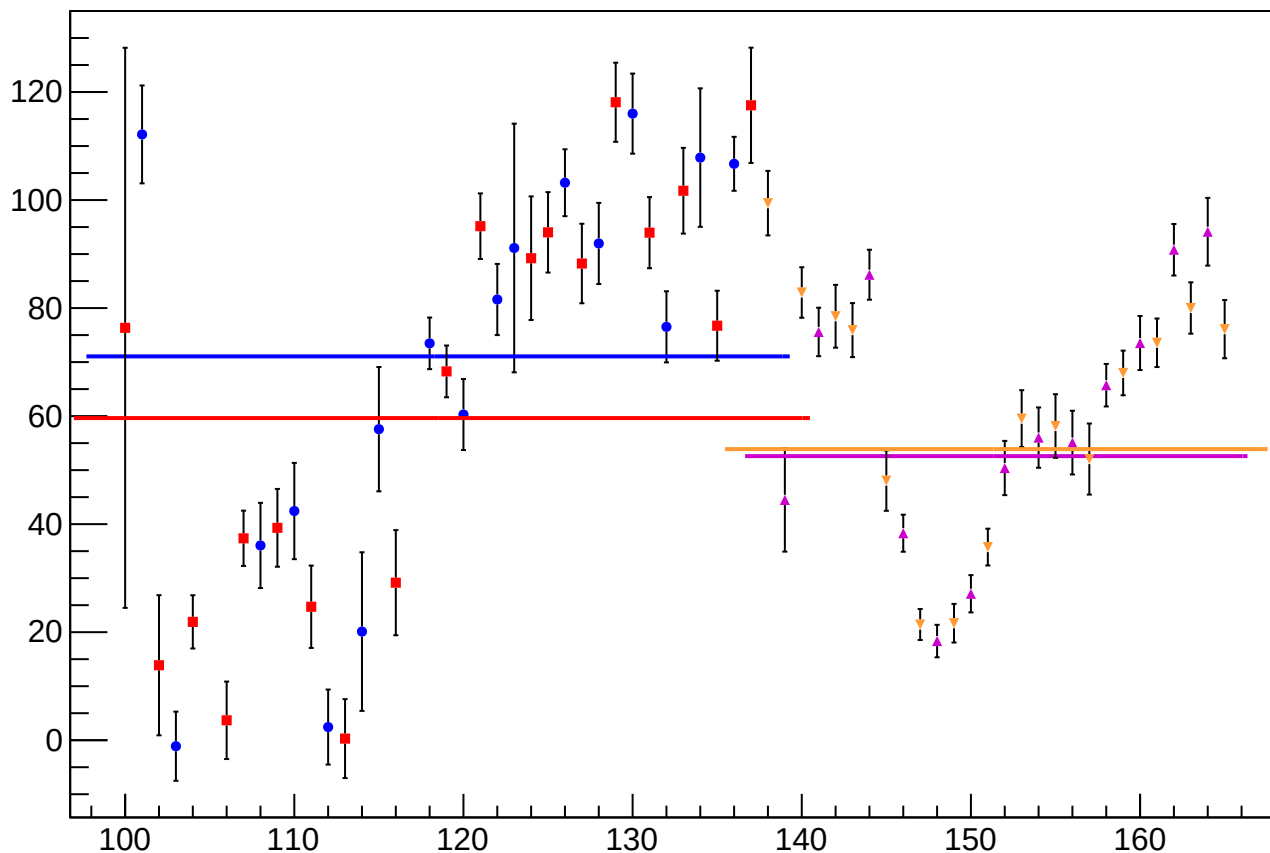
Left In: 277.112 ± 1.486 $\chi^2/\text{NDF}: 457.5/12$

+ sign 295.662 ± 1.273 $\chi^2/\text{NDF}: 3978.9/31$

All: 294.948 ± 0.905 $\chi^2/\text{NDF}: 8378.2/63$

- sign 294.219 ± 1.286 $\chi^2/\text{NDF}: 4398.6/31$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 53.891 $\pm$ 1.166 χ^2 /NDF:452.5/14

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

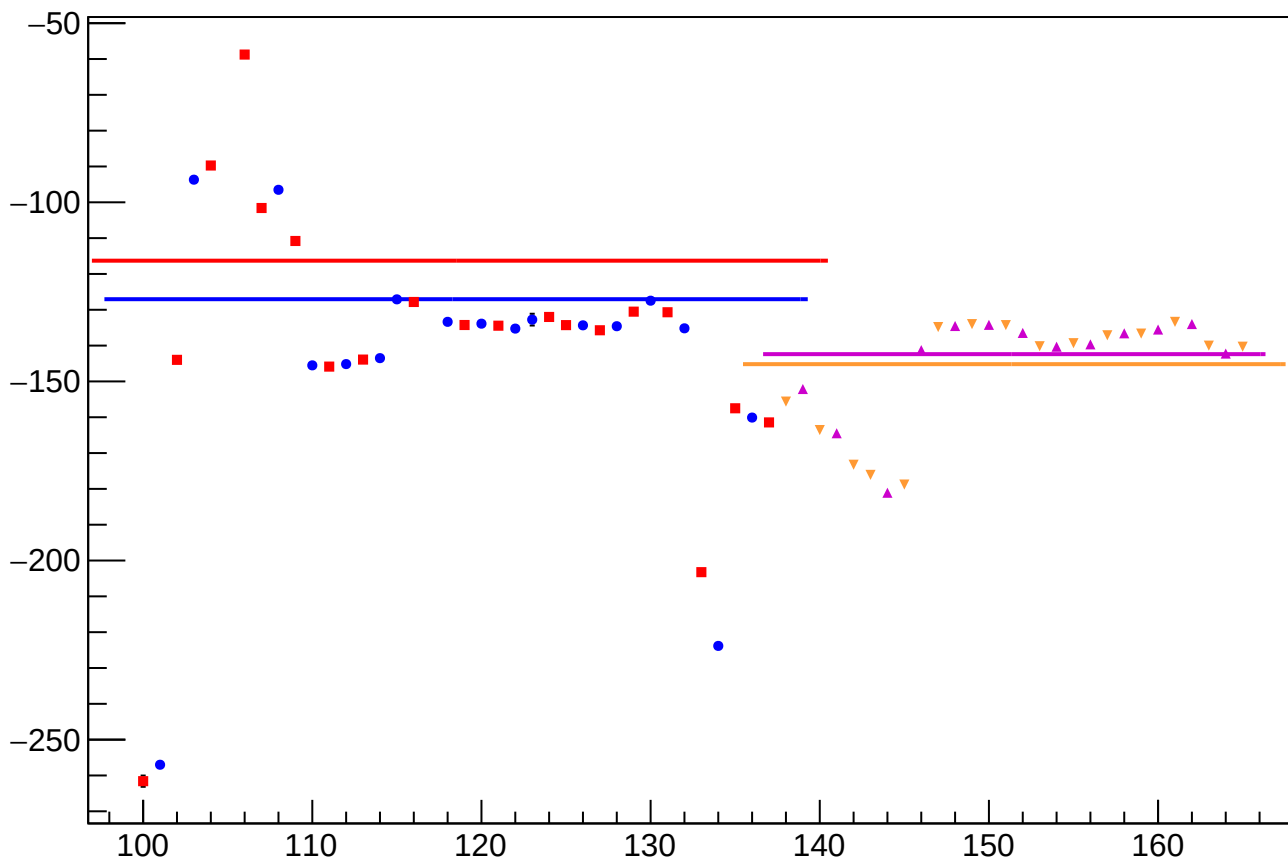
Left In: 52.596 $\pm$ 1.230 χ^2 /NDF:418.7/12

+ sign 59.108 $\pm$ 0.972 χ^2 /NDF: 944.6/31

All: 57.147 $\pm$ 0.691 χ^2 /NDF: 1875.0/63

- sign 55.148 $\pm$ 0.982 χ^2 /NDF: 922.2/31

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -145.182 ± 0.058 $\chi^2/\text{NDF}: 67689.6/14$

Right Out: -116.295 ± 0.083 $\chi^2/\text{NDF}: 167109.1/18$

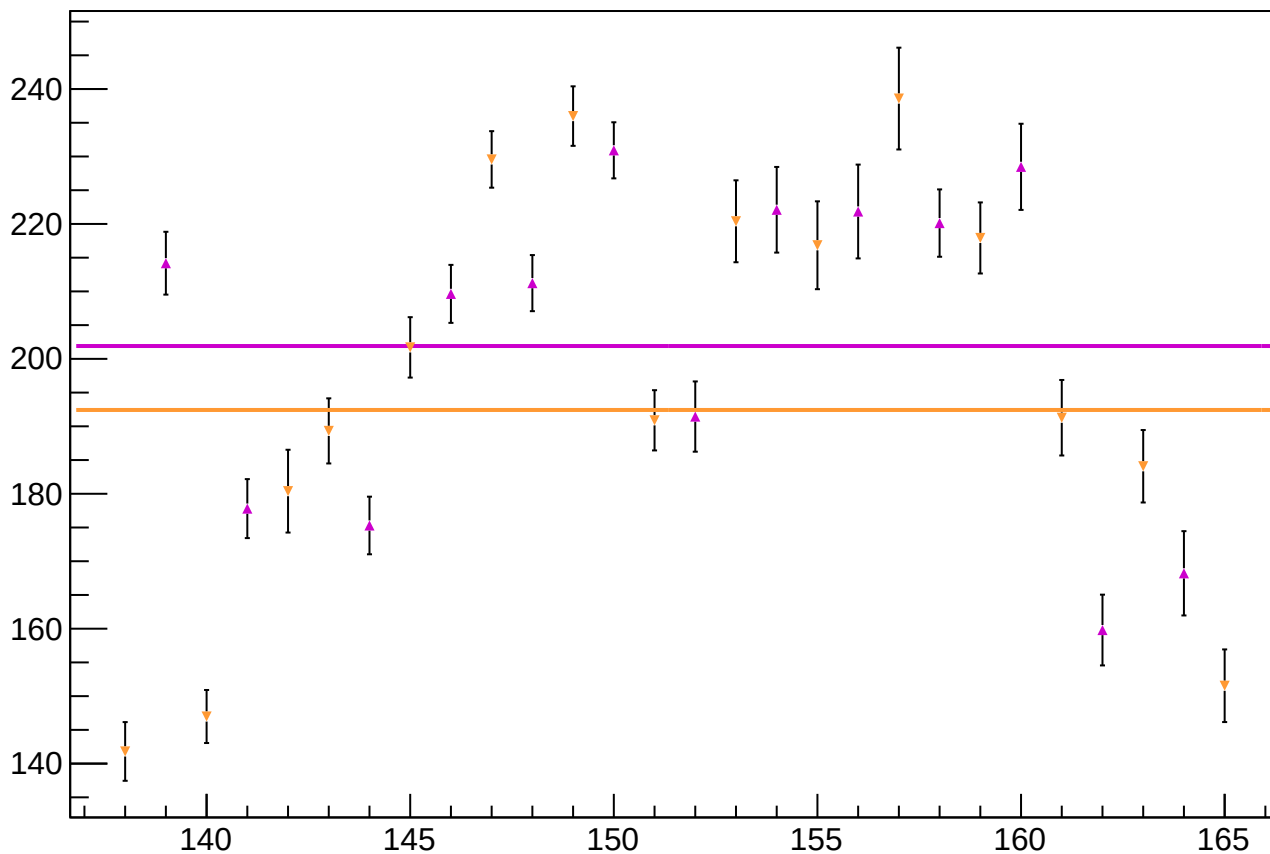
Left In: -142.385 ± 0.059 $\chi^2/\text{NDF}: 43057.2/12$

+ sign -139.897 ± 0.048 $\chi^2/\text{NDF}: 263608.8/31$

All: -136.726 ± 0.034 $\chi^2/\text{NDF}: 547821.0/63$

- sign -133.593 ± 0.048 $\chi^2/\text{NDF}: 275702.4/31$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 192.424+/-1.290 χ^2/NDF : 610.0/14

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

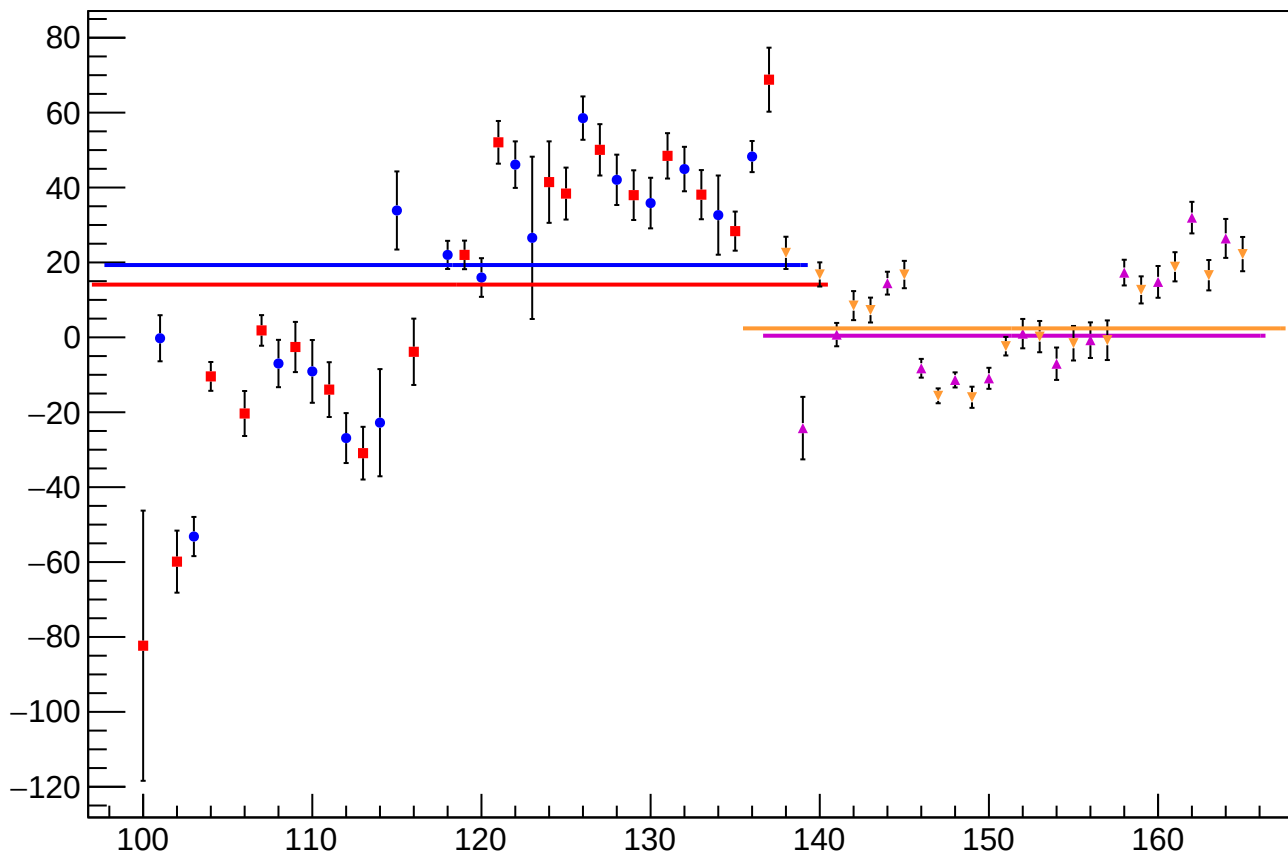
Left In: 201.904+/-1.371 χ^2/NDF : 279.6/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 196.876+/-0.940 χ^2/NDF : 914.9/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 2.394 ± 0.872 χ^2/NDF : 248.7/14

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

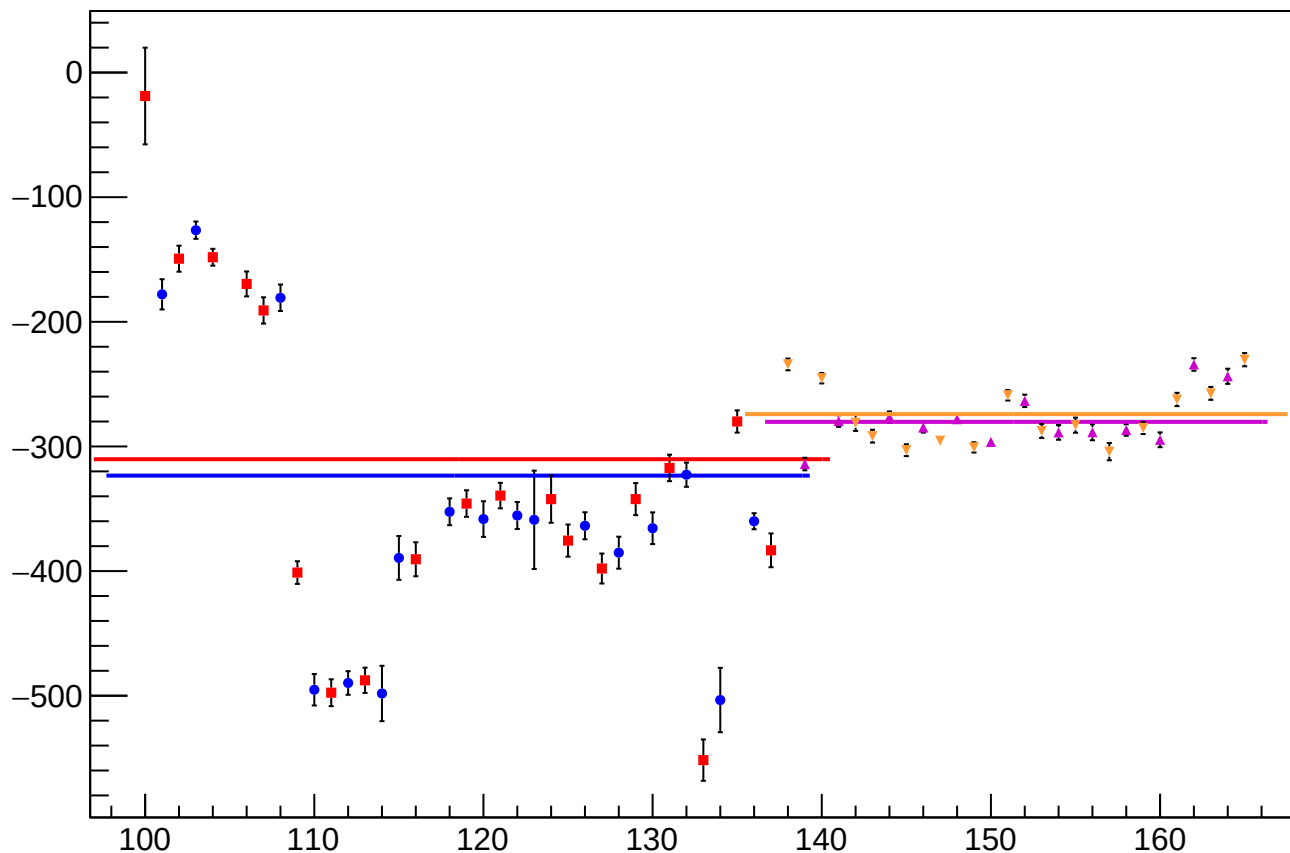
Left In: 0.436 ± 0.931 χ^2/NDF : 212.3/12

+ sign 6.664 ± 0.754 χ^2/NDF : 785.0/31

All: 5.690 ± 0.540 χ^2/NDF : 1504.2/63

- sign 4.663 ± 0.773 χ^2/NDF : 715.7/31

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 χ^2/NDF : 1849.6/16

Left Out: -274.053 ± 1.275 χ^2/NDF : 367.1/14

Right Out: -310.236 ± 2.523 χ^2/NDF : 2298.8/18

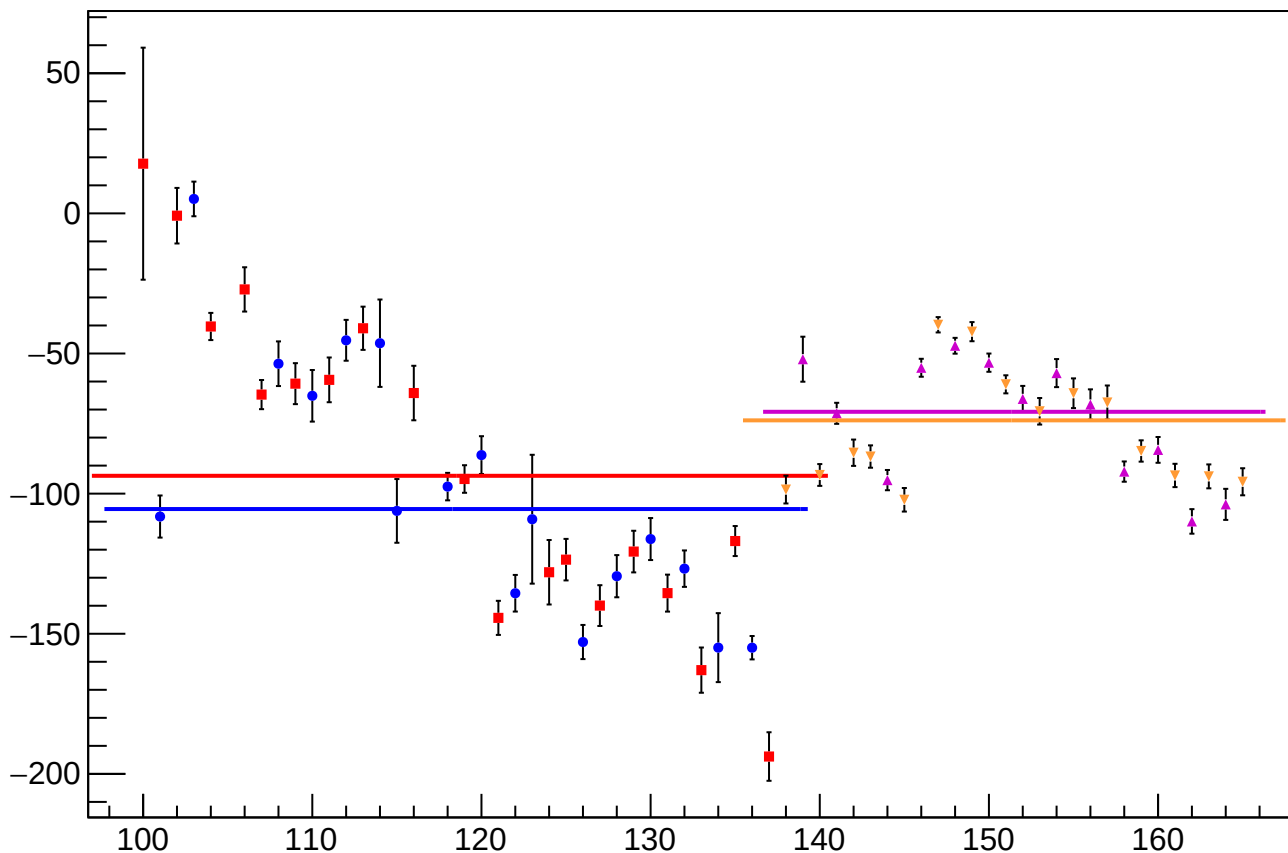
Left In: -280.262 ± 1.337 χ^2/NDF : 206.5/12

+ sign -283.139 ± 1.152 χ^2/NDF : 2492.5/31

All: -284.939 ± 0.825 χ^2/NDF : 5113.0/63

- sign -286.833 ± 1.182 χ^2/NDF : 2615.5/31

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -73.854 ± 1.043 χ^2/NDF : 447.1/14

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

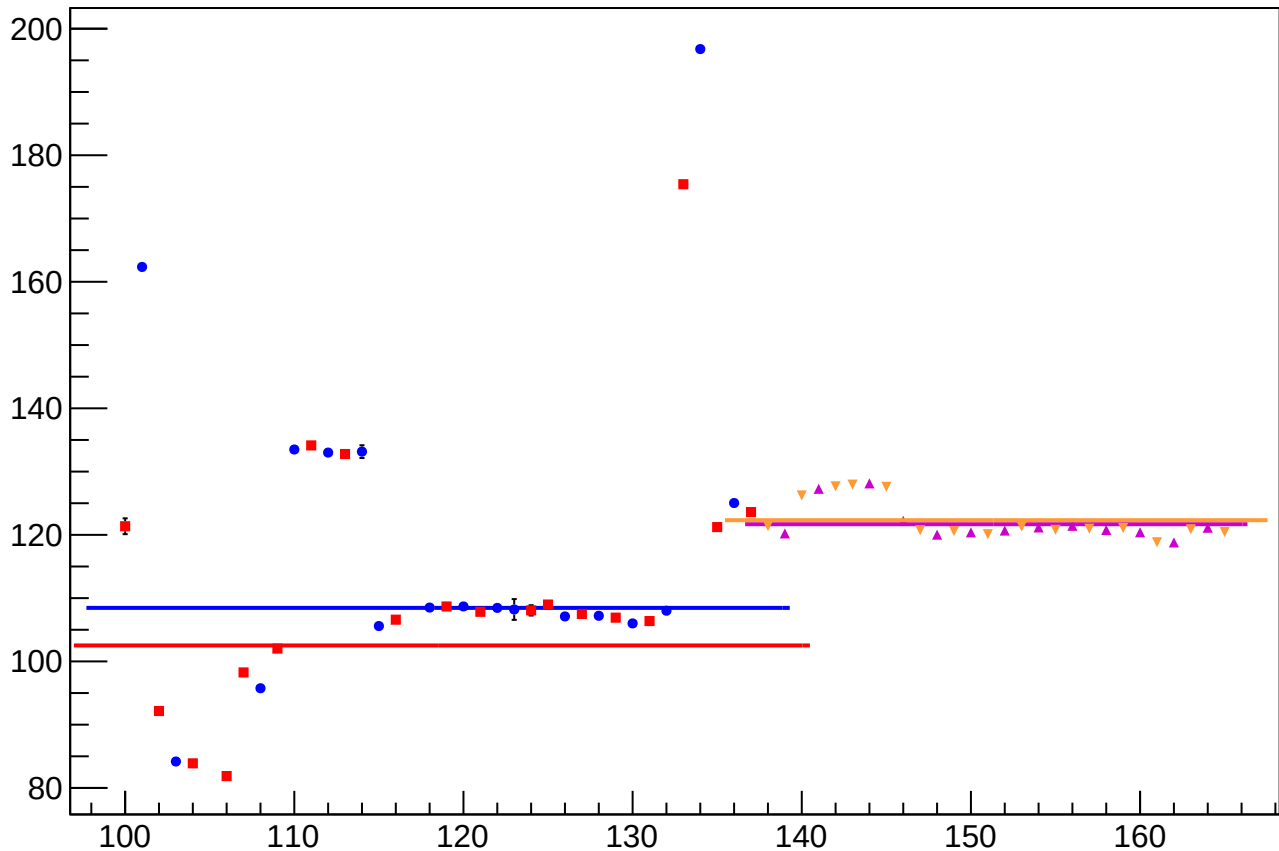
Left In: -70.799 ± 1.111 χ^2/NDF : 341.4/12

+ sign -82.420 ± 0.891 χ^2/NDF : 1433.6/31

All: -80.351 ± 0.638 χ^2/NDF : 2749.4/63

- sign -78.169 ± 0.915 χ^2/NDF : 1304.7/31

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 ± 0.085 $\chi^2/\text{NDF}: 73301.9/16$

Left Out: 122.318 ± 0.051 $\chi^2/\text{NDF}: 3329.7/14$

Right Out: 102.521 ± 0.080 $\chi^2/\text{NDF}: 52992.1/18$

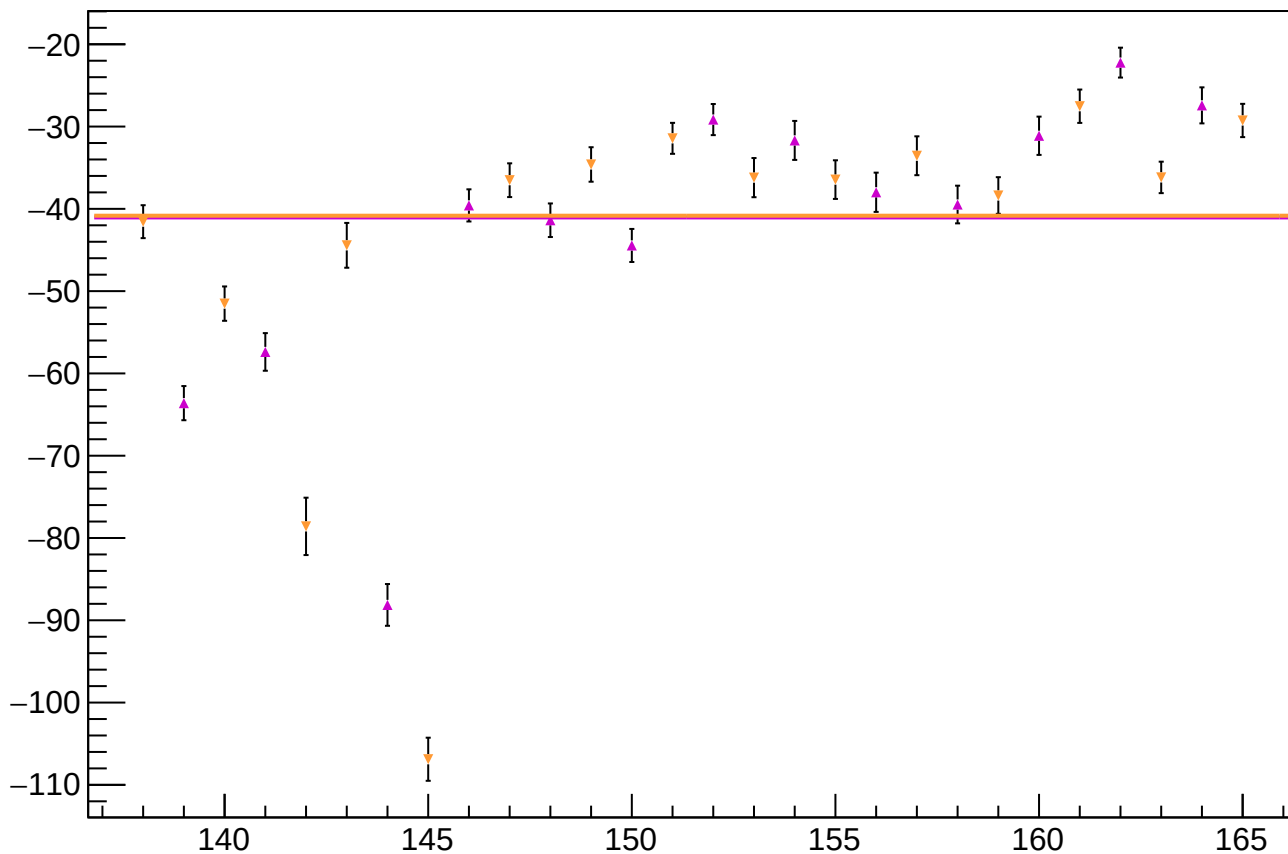
Left In: 121.684 ± 0.053 $\chi^2/\text{NDF}: 2474.8/12$

+ sign 118.635 ± 0.044 $\chi^2/\text{NDF}: 96148.2/31$

All: 117.213 ± 0.031 $\chi^2/\text{NDF}: 193846.9/63$

- sign 115.765 ± 0.044 $\chi^2/\text{NDF}: 95572.6/31$

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -40.833+/-0.569 χ^2/NDF : 919.5/14

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

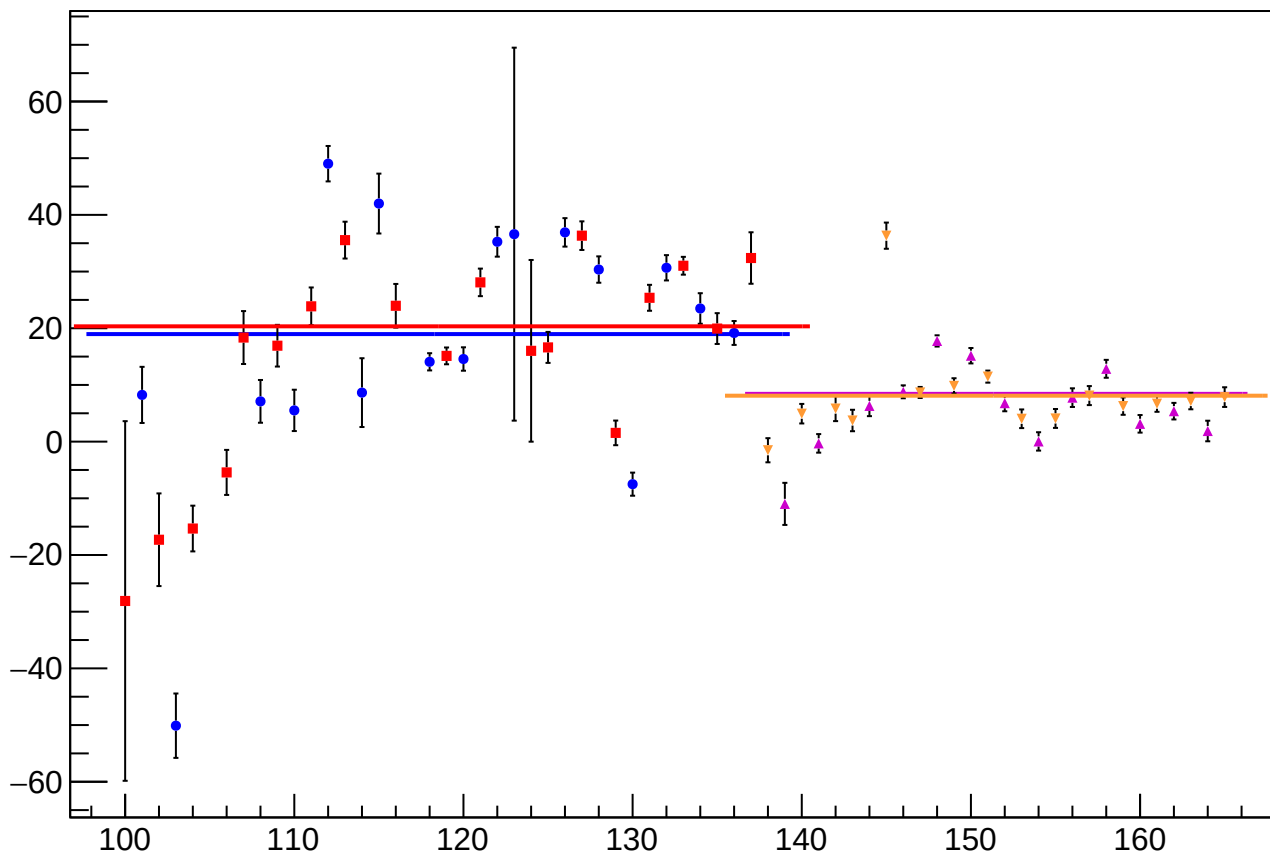
Left In: -41.045+/-0.592 χ^2/NDF : 738.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.935+/-0.410 χ^2/NDF : 1658.0/27

- 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: 8.102 ± 0.392 χ^2/NDF : 206.2/14

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

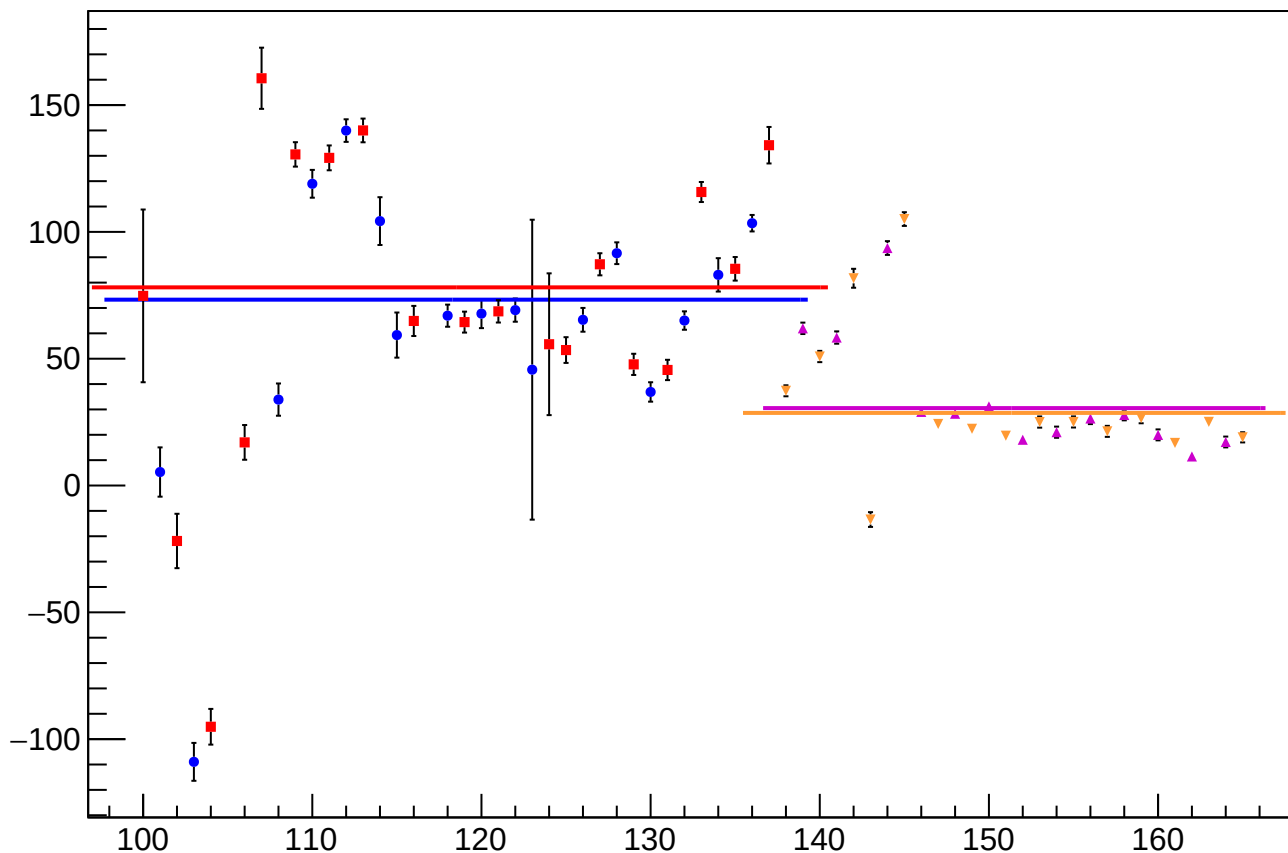
Left In: 8.426 ± 0.412 χ^2/NDF : 235.3/12

+ sign 10.978 ± 0.336 χ^2/NDF : 1028.3/31

All: 11.422 ± 0.241 χ^2/NDF : 1877.5/63

- sign 11.895 ± 0.347 χ^2/NDF : 845.6/31

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278+/-1.236 χ^2/NDF : 1198.6/16

Left Out: 28.629+/-0.555 χ^2/NDF : 1448.4/14

Right Out: 78.130+/-1.223 χ^2/NDF : 1543.3/18

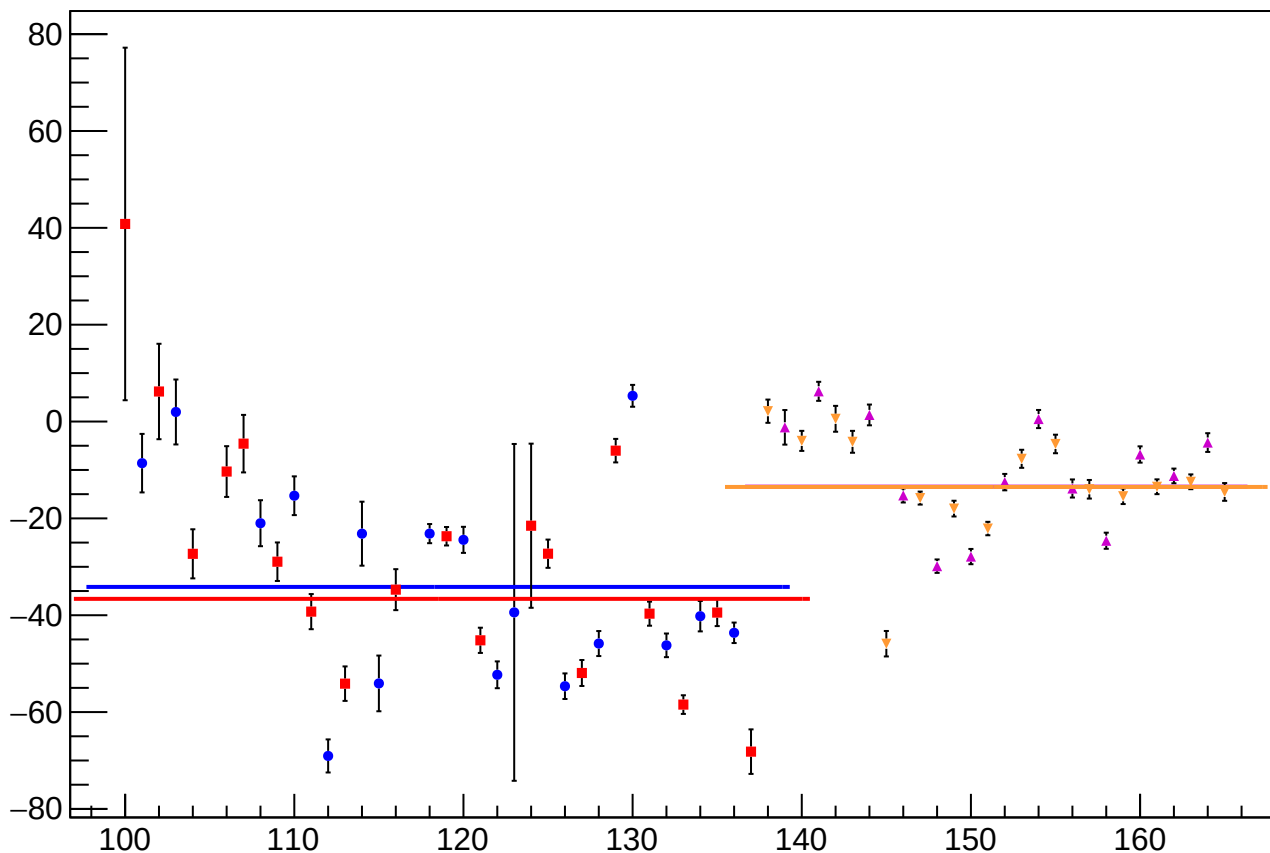
Left In: 30.528+/-0.573 χ^2/NDF : 1122.4/12

+ sign 36.109+/-0.506 χ^2/NDF : 3732.5/31

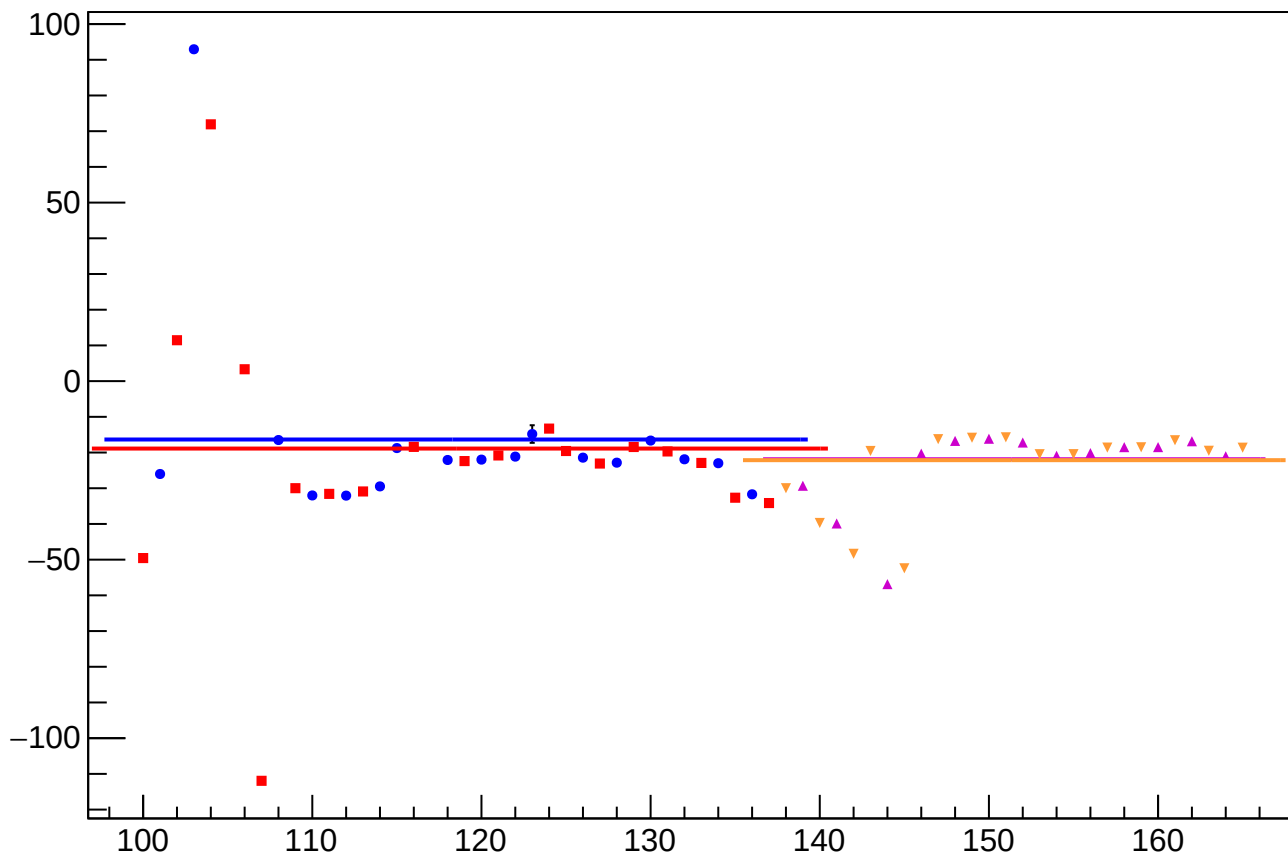
All: 37.569+/-0.362 χ^2/NDF : 7658.3/63

- sign 39.102+/-0.519 χ^2/NDF : 3908.7/31

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -22.137 ± 0.022 $\chi^2/\text{NDF}: 183867.8/14$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

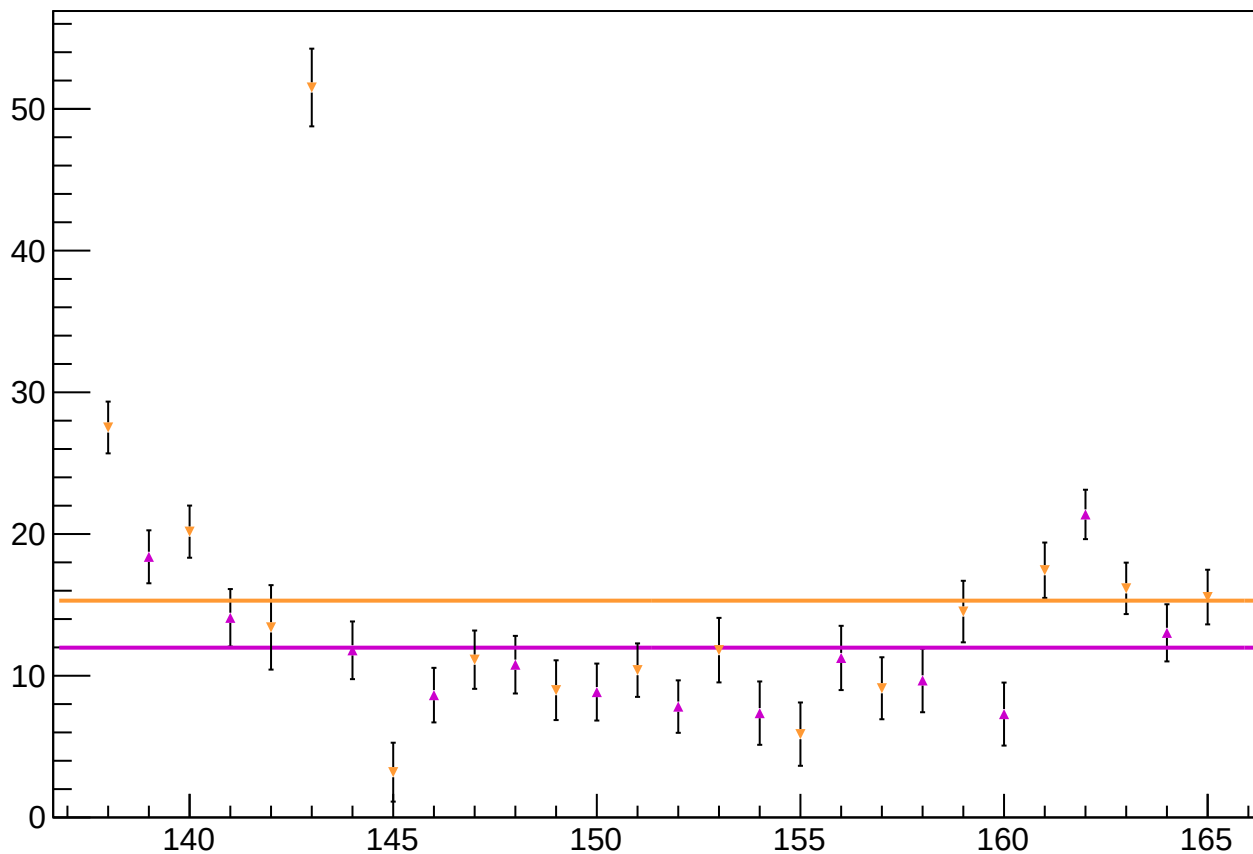
Left In: -21.875 ± 0.022 $\chi^2/\text{NDF}: 152327.2/12$

+ sign -21.024 ± 0.020 $\chi^2/\text{NDF}: 671637.6/31$

All: -21.152 ± 0.014 $\chi^2/\text{NDF}: 1261342.7/63$

- sign -21.287 ± 0.020 $\chi^2/\text{NDF}: 589617.3/31$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 15.299+/-0.537 χ^2/NDF : 310.1/14

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

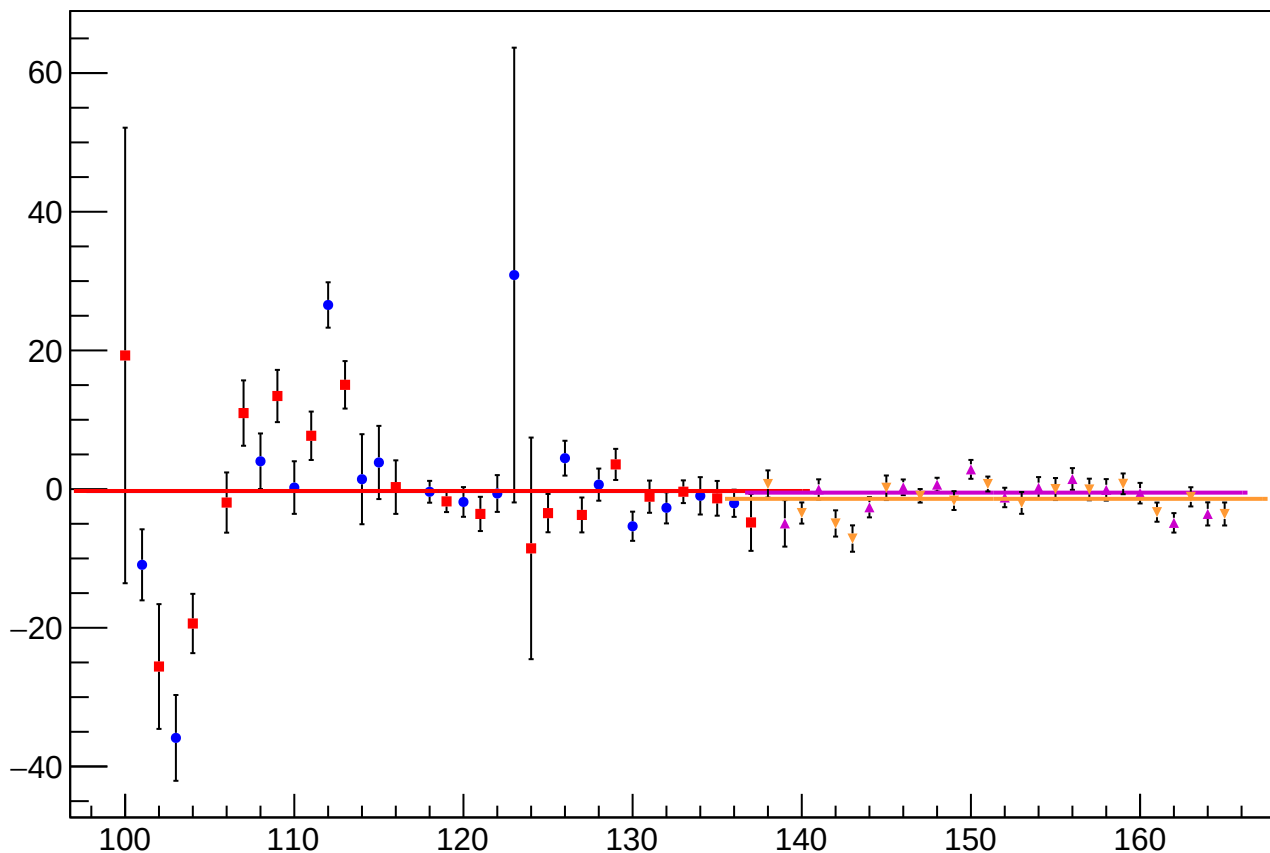
Left In: 11.981+/-0.560 χ^2/NDF : 63.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 13.708+/-0.388 χ^2/NDF : 391.3/27

- 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: -1.403 ± 0.376 χ^2/NDF : 28.1/14

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

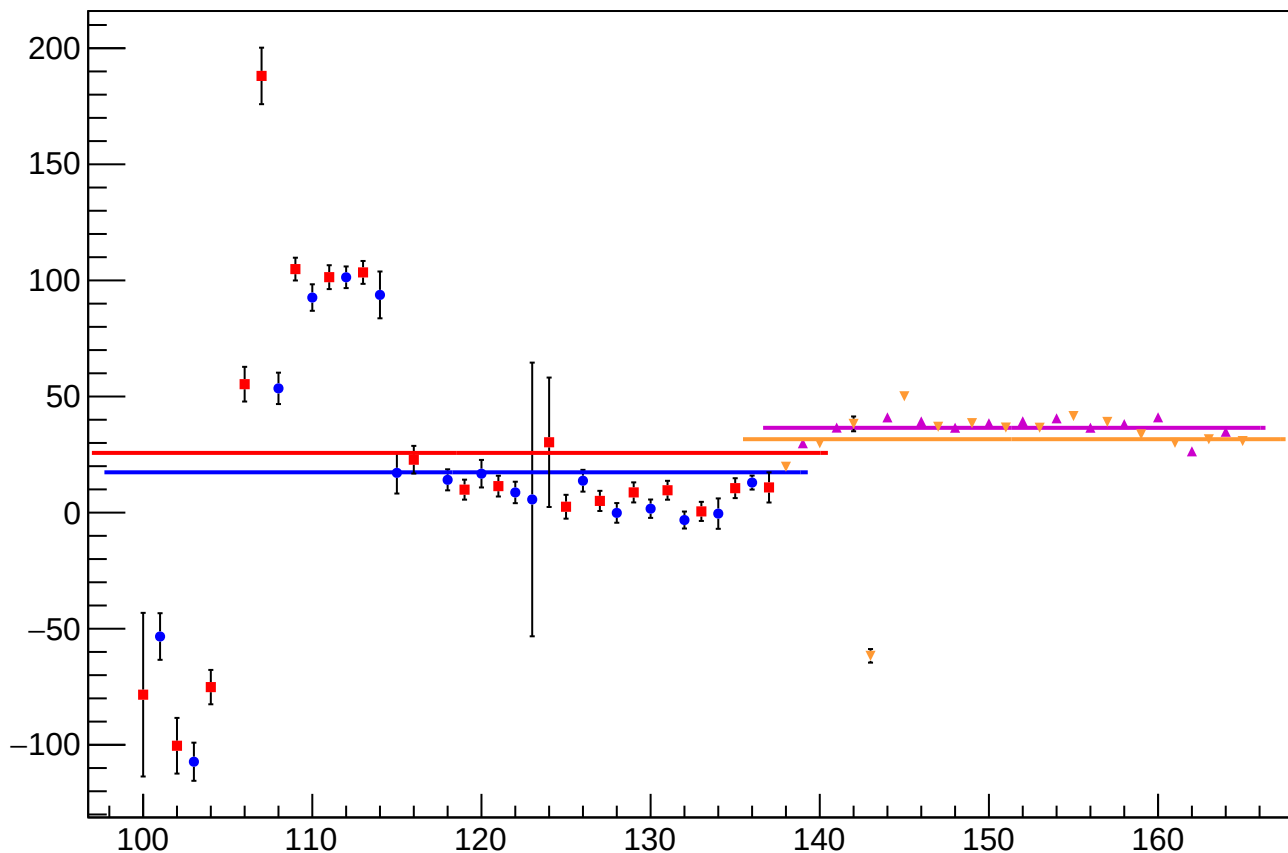
Left In: -0.509 ± 0.394 χ^2/NDF : 27.0/12

+ sign -1.130 ± 0.327 χ^2/NDF : 149.8/31

All: -0.799 ± 0.235 χ^2/NDF : 262.2/63

- sign -0.446 ± 0.337 χ^2/NDF : 110.3/31

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 $\pm$ 1.247 χ^2 /NDF: 943.0/16

Left Out: 31.621 $\pm$ 0.527 χ^2 /NDF: 1201.0/14

Right Out: 25.717 $\pm$ 1.243 χ^2 /NDF: 1378.8/18

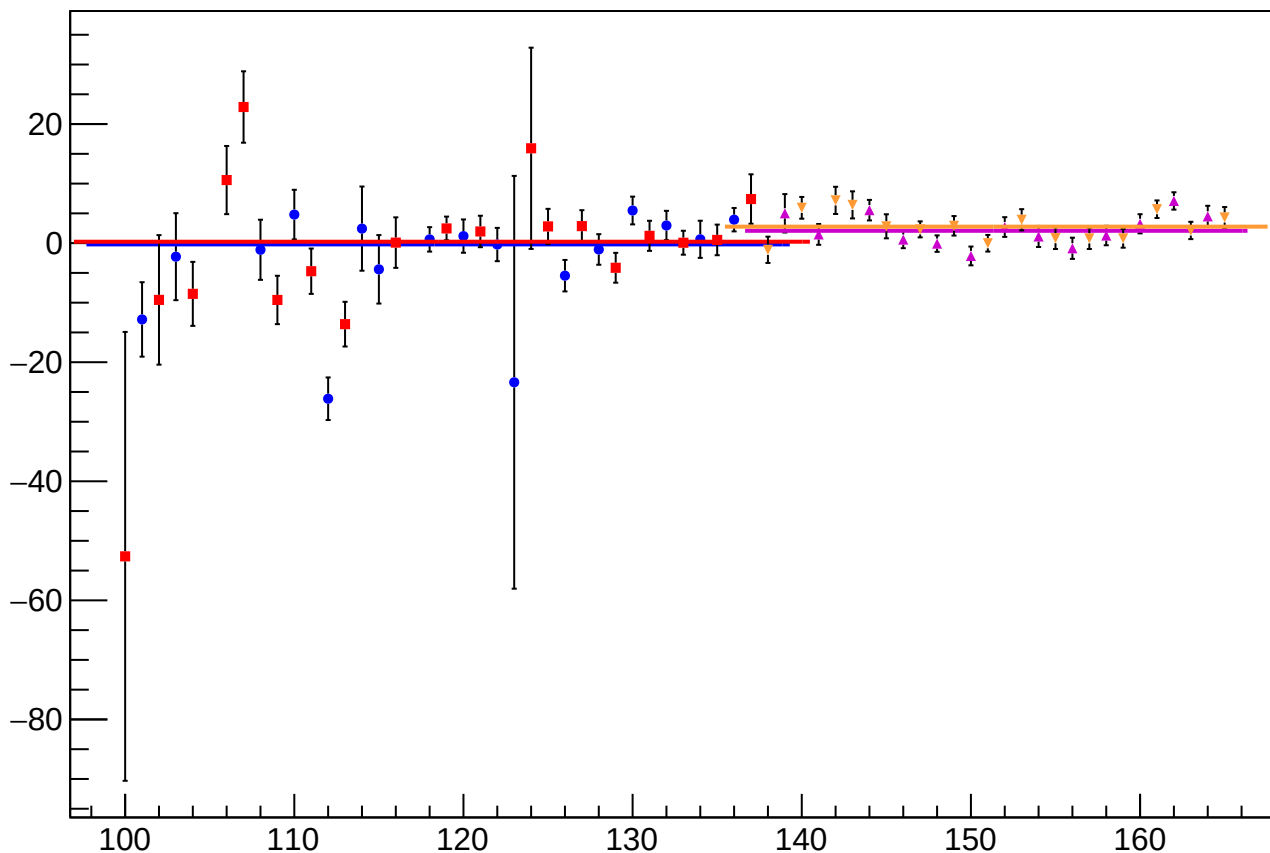
Left In: 36.518 $\pm$ 0.544 χ^2 /NDF: 67.3/12

+ sign 29.463 $\pm$ 0.485 χ^2 /NDF: 2255.0/31

All: 32.051 $\pm$ 0.348 χ^2 /NDF: 3823.1/63

- sign 34.782 $\pm$ 0.498 χ^2 /NDF: 1509.5/31

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.770 ± 0.440 χ^2/NDF : 25.7/14

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

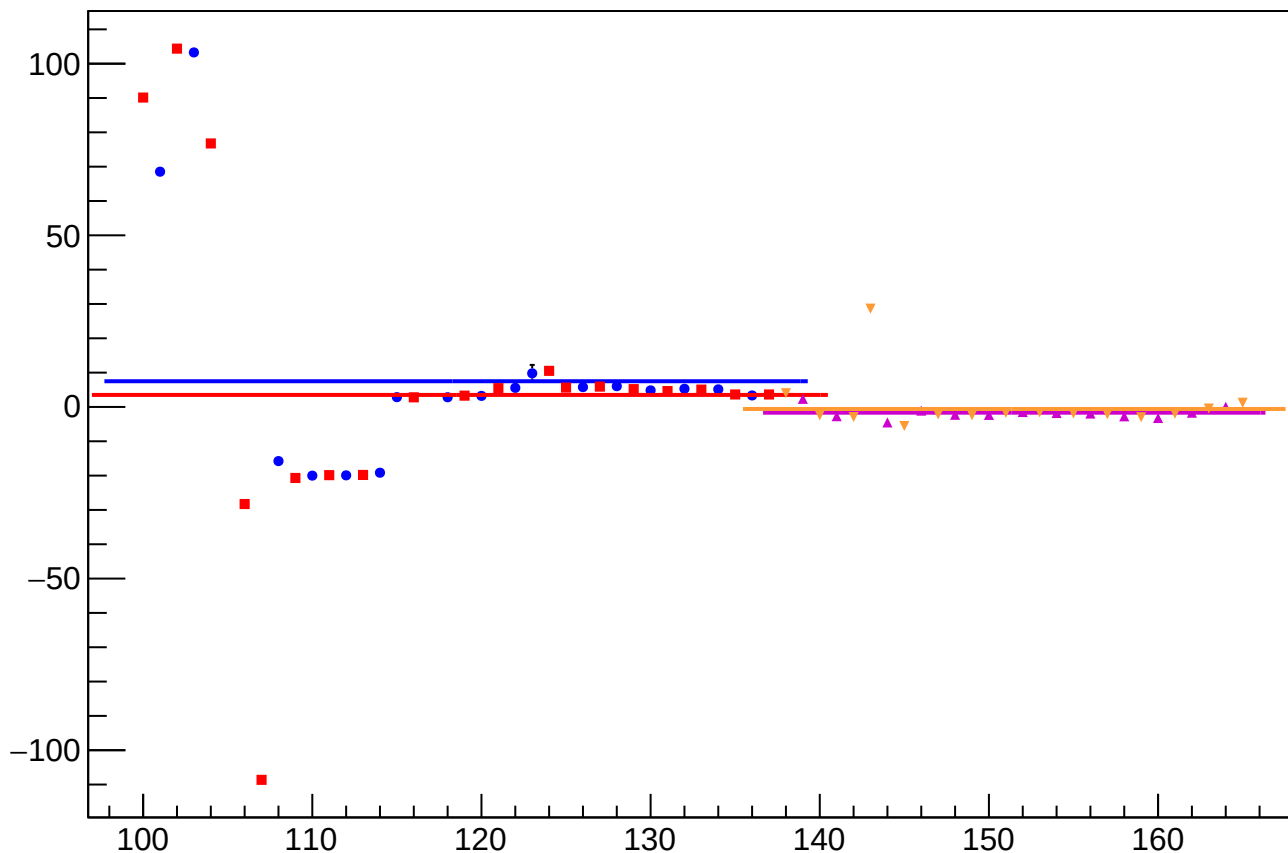
Left In: 2.072 ± 0.461 χ^2/NDF : 33.3/12

+ sign 2.009 ± 0.380 χ^2/NDF : 113.3/31

All: 1.796 ± 0.273 χ^2/NDF : 206.1/63

- sign 1.569 ± 0.392 χ^2/NDF : 92.1/31

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 $\pm$ 0.045 χ^2 /NDF: 355979.0/16

Left Out: -0.588 $\pm$ 0.021 χ^2 /NDF: 74009.2/14

Right Out: 3.504 $\pm$ 0.046 χ^2 /NDF: 510579.4/18

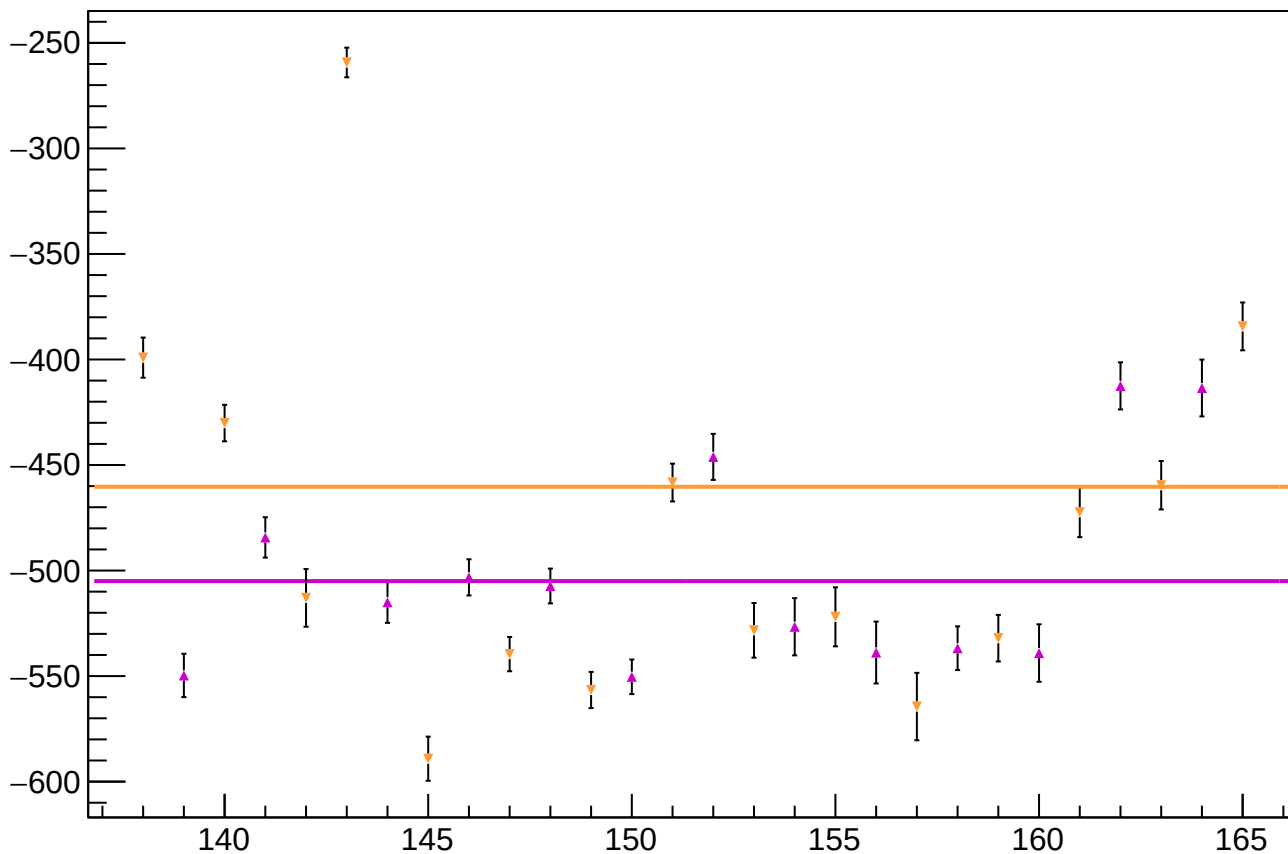
Left In: -1.671 $\pm$ 0.021 χ^2 /NDF: 5490.5/12

+ sign 0.834 $\pm$ 0.019 χ^2 /NDF: 456993.4/31

All: 0.066 $\pm$ 0.013 χ^2 /NDF: 987093.0/63

- sign -0.747 $\pm$ 0.019 χ^2 /NDF: 526637.8/31

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -460.297+/-2.614 χ^2/NDF : 1440.3/14

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

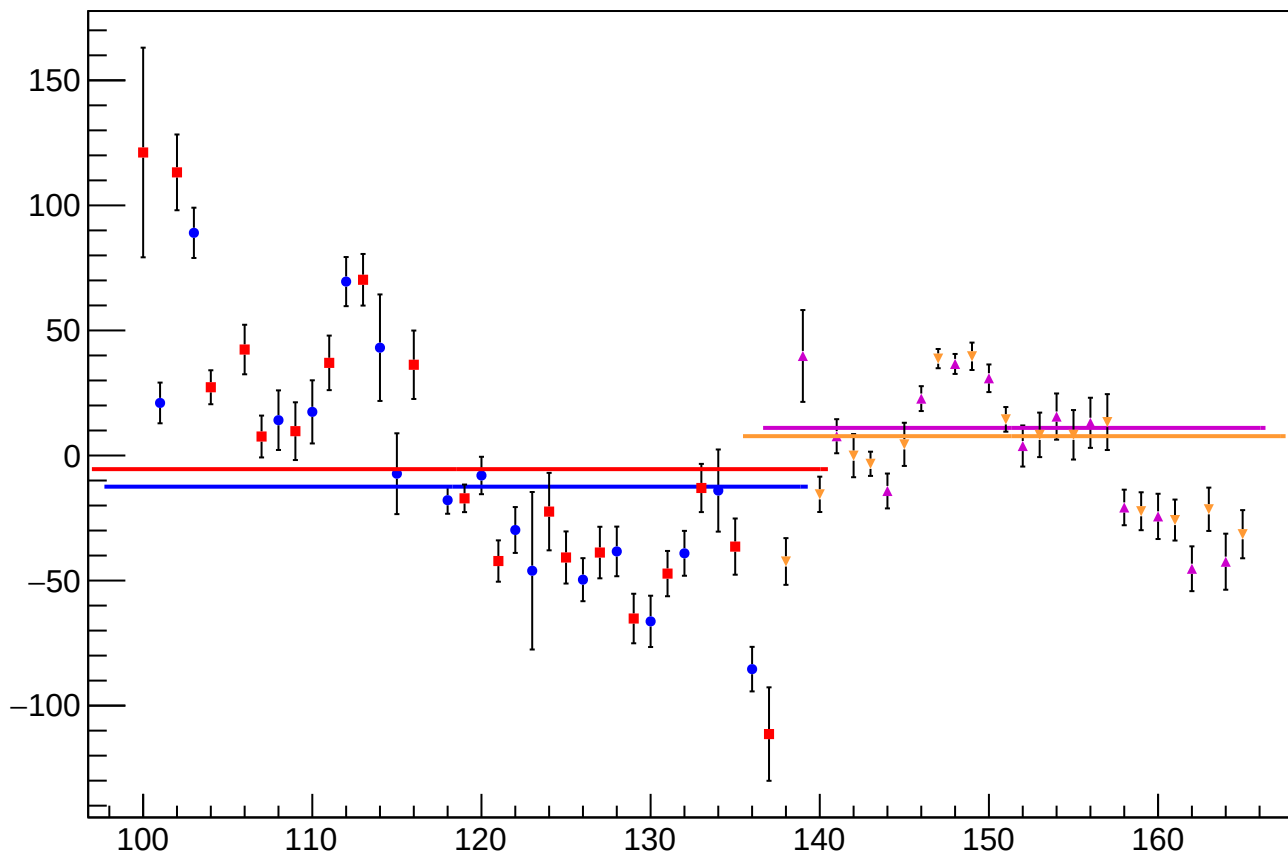
Left In: -505.004+/-2.877 χ^2/NDF : 223.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -480.521+/-1.935 χ^2/NDF : 1795.6/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 $\pm$ 2.349 χ^2/NDF : 341.1/16

Left Out: 7.735 $\pm$ 1.740 χ^2/NDF : 207.3/14

Right Out: -5.453 $\pm$ 2.259 χ^2/NDF : 345.0/18

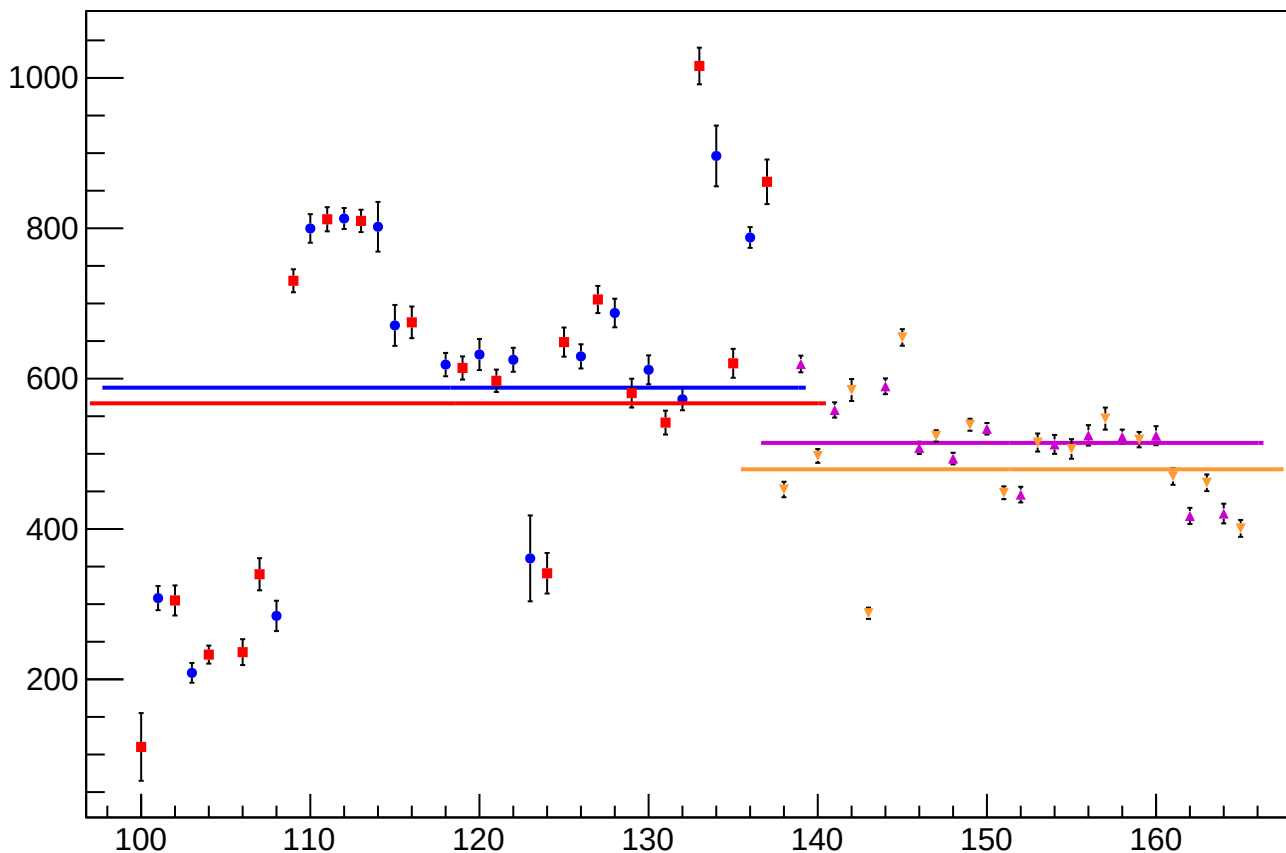
Left In: 11.039 $\pm$ 1.925 χ^2/NDF : 174.0/12

+ sign 0.581 $\pm$ 1.398 χ^2/NDF : 596.1/31

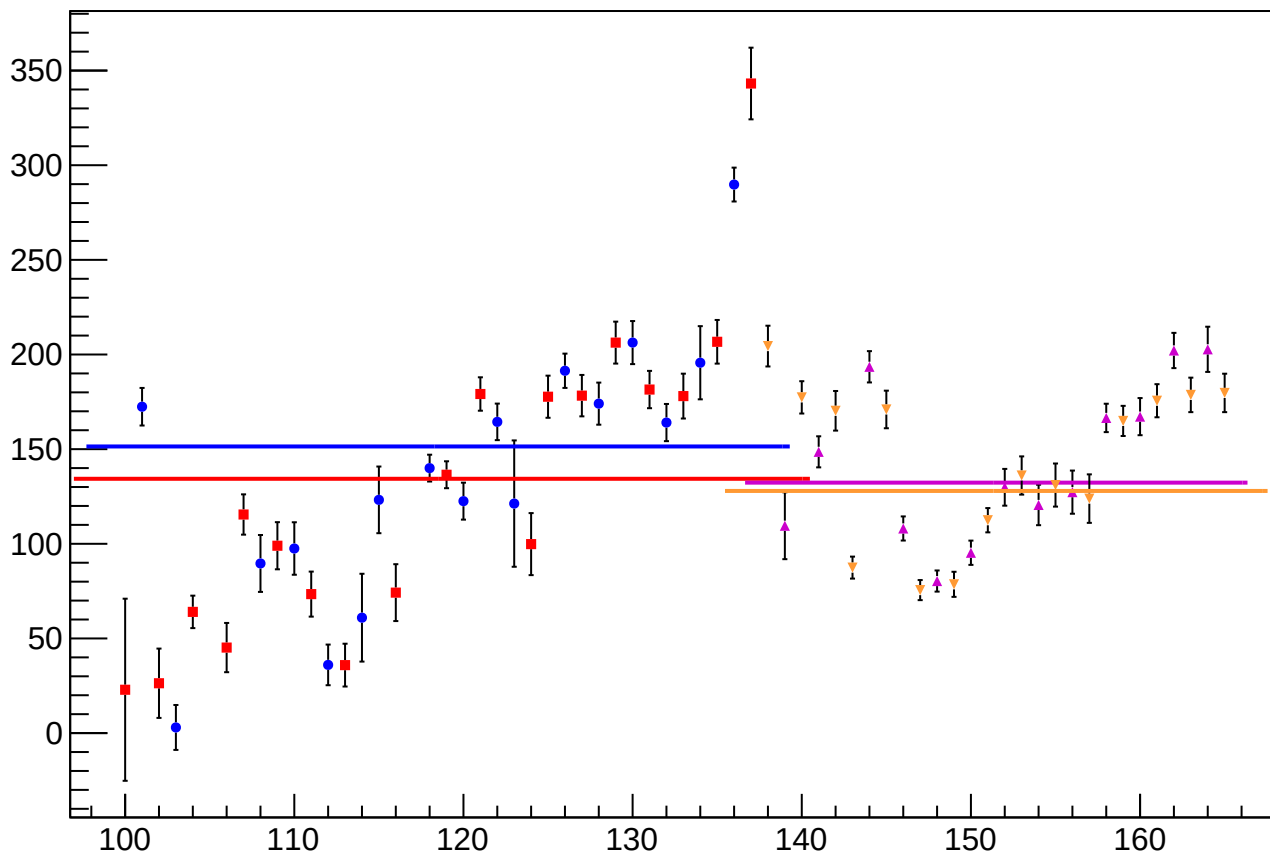
All: 2.259 $\pm$ 1.011 χ^2/NDF : 1149.0/63

- sign 4.101 $\pm$ 1.465 χ^2/NDF : 549.8/31

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: 127.922 $\pm$ 2.094 χ^2 /NDF: 435.7/14

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

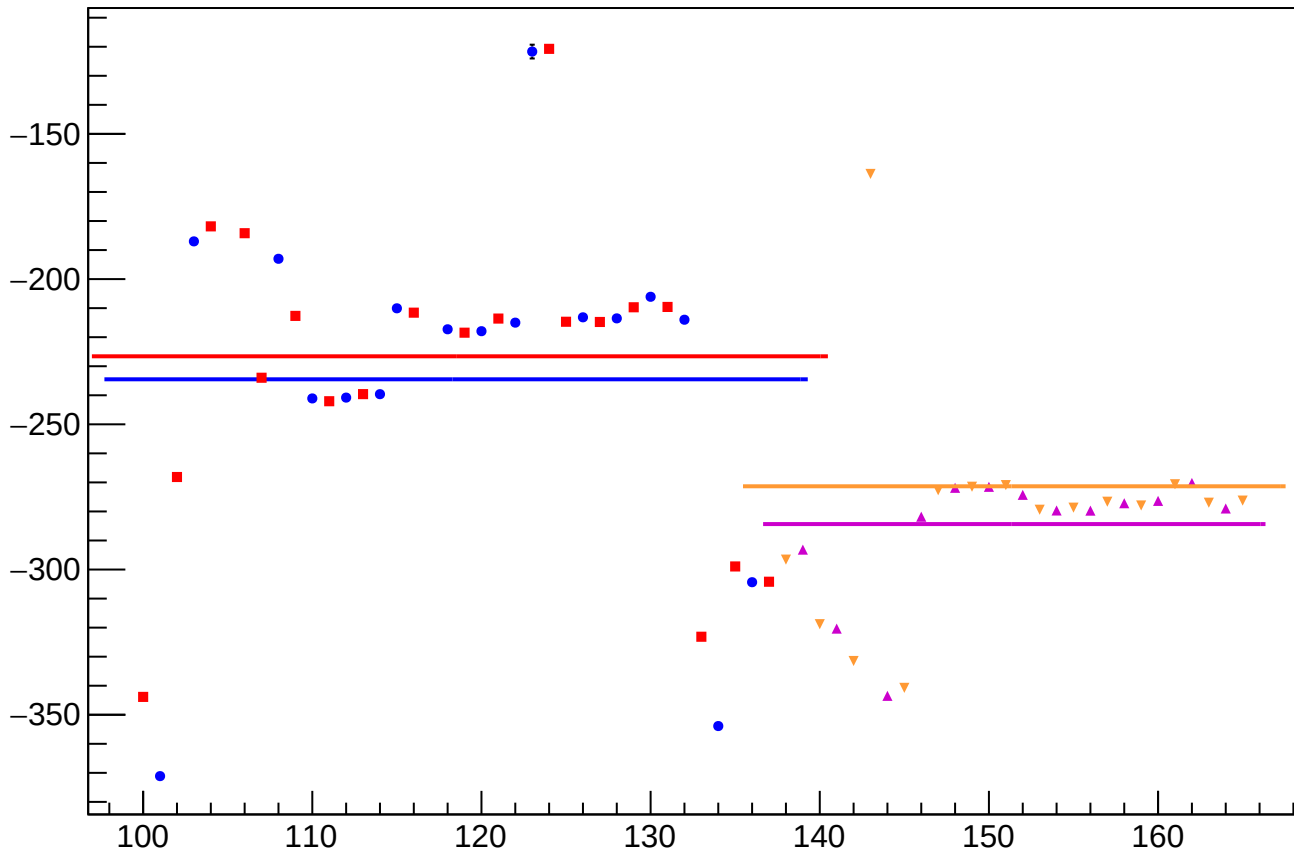
Left In: 132.312 $\pm$ 2.309 χ^2 /NDF: 320.8/12

+ sign 136.709 $\pm$ 1.657 χ^2 /NDF: 1116.1/31

All: 135.033 $\pm$ 1.197 χ^2 /NDF: 2024.3/63

- sign 133.203 $\pm$ 1.731 χ^2 /NDF: 906.0/31

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -271.337 ± 0.104 $\chi^2/\text{NDF}: 182982.9/14$

Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

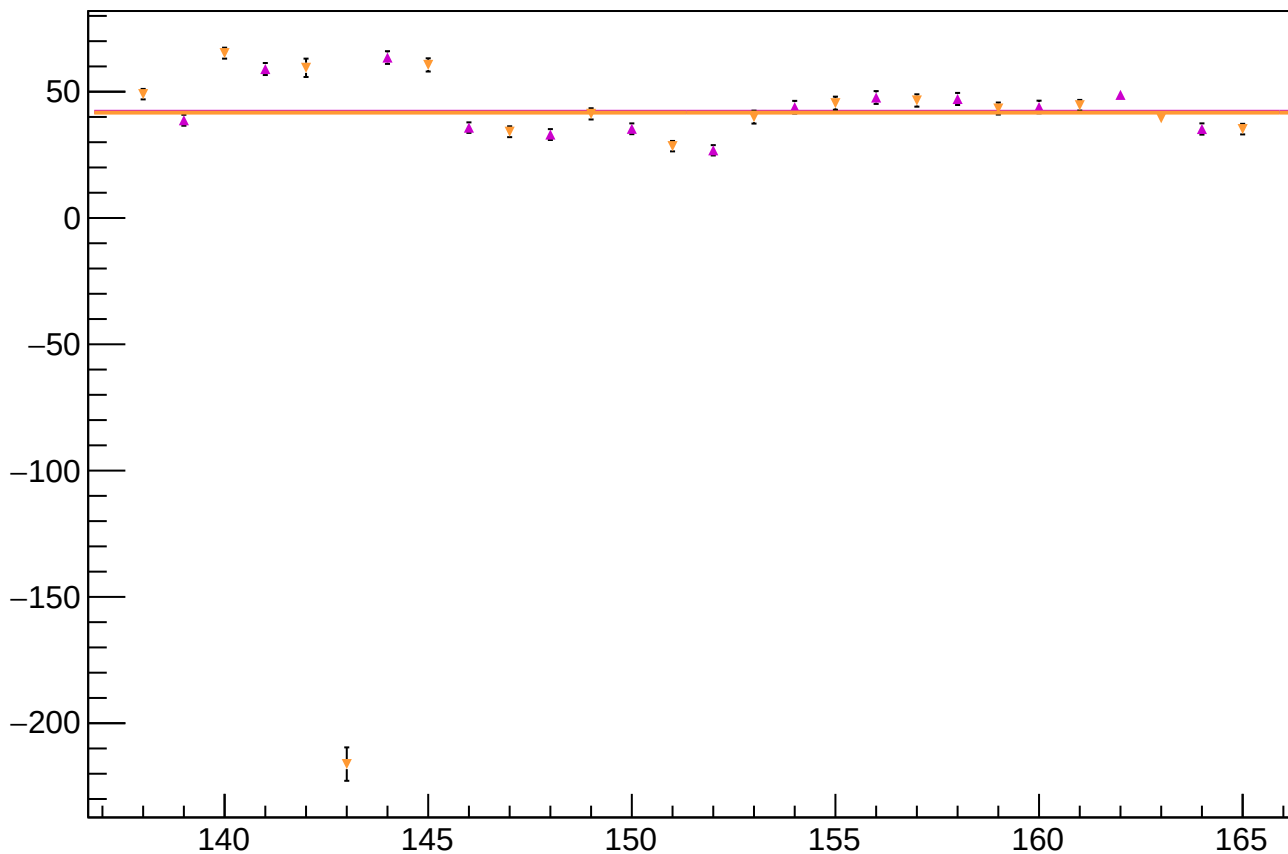
Left In: -284.344 ± 0.111 $\chi^2/\text{NDF}: 30582.8/12$

+ sign -259.246 ± 0.085 $\chi^2/\text{NDF}: 369070.3/31$

All: -260.686 ± 0.061 $\chi^2/\text{NDF}: 602100.4/63$

- sign -262.201 ± 0.088 $\chi^2/\text{NDF}: 232446.1/31$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 41.731+/-0.610 χ^2/NDF :1800.6/14

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

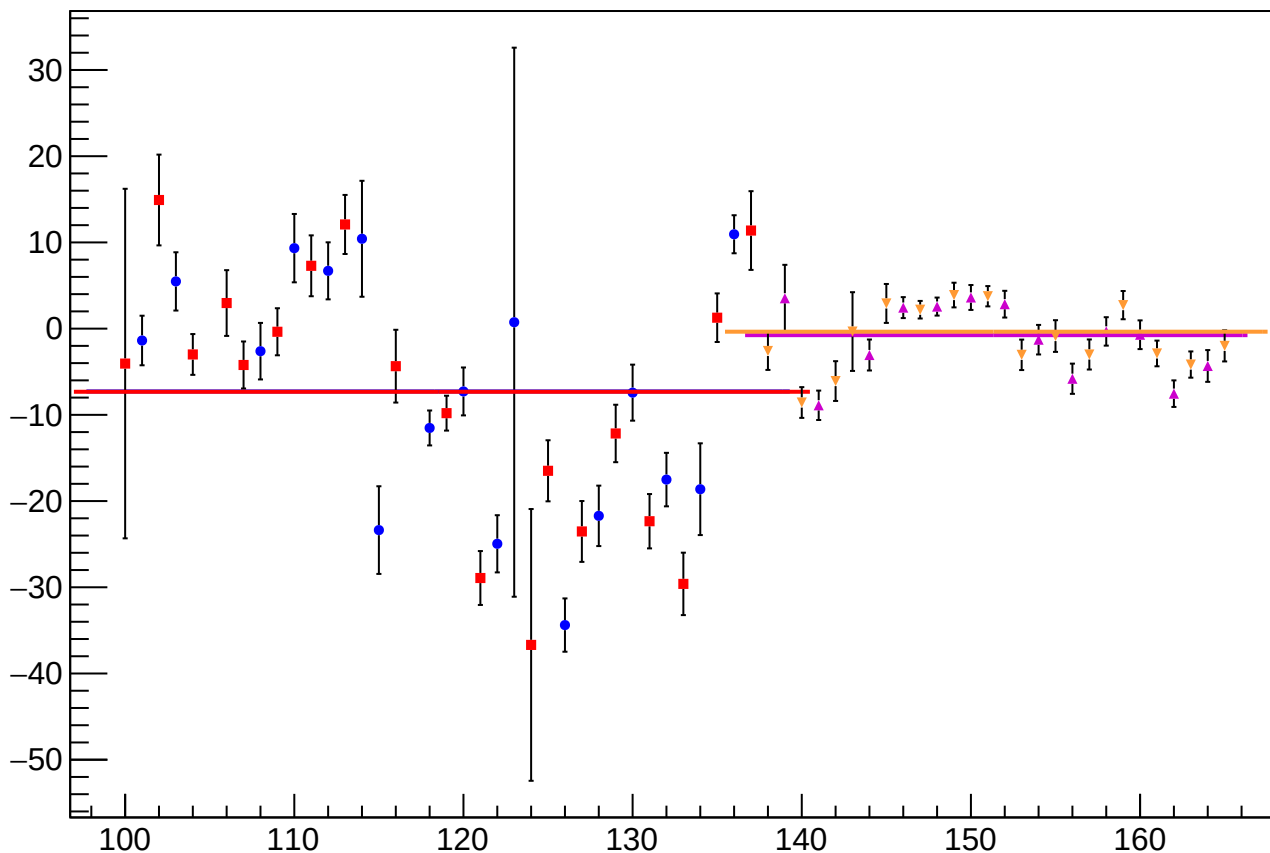
Left In: 42.036+/-0.623 χ^2/NDF :250.1/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 41.880+/-0.436 χ^2/NDF : 2050.9/27

- 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: -0.355 ± 0.421 χ^2/NDF : 76.0/14

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

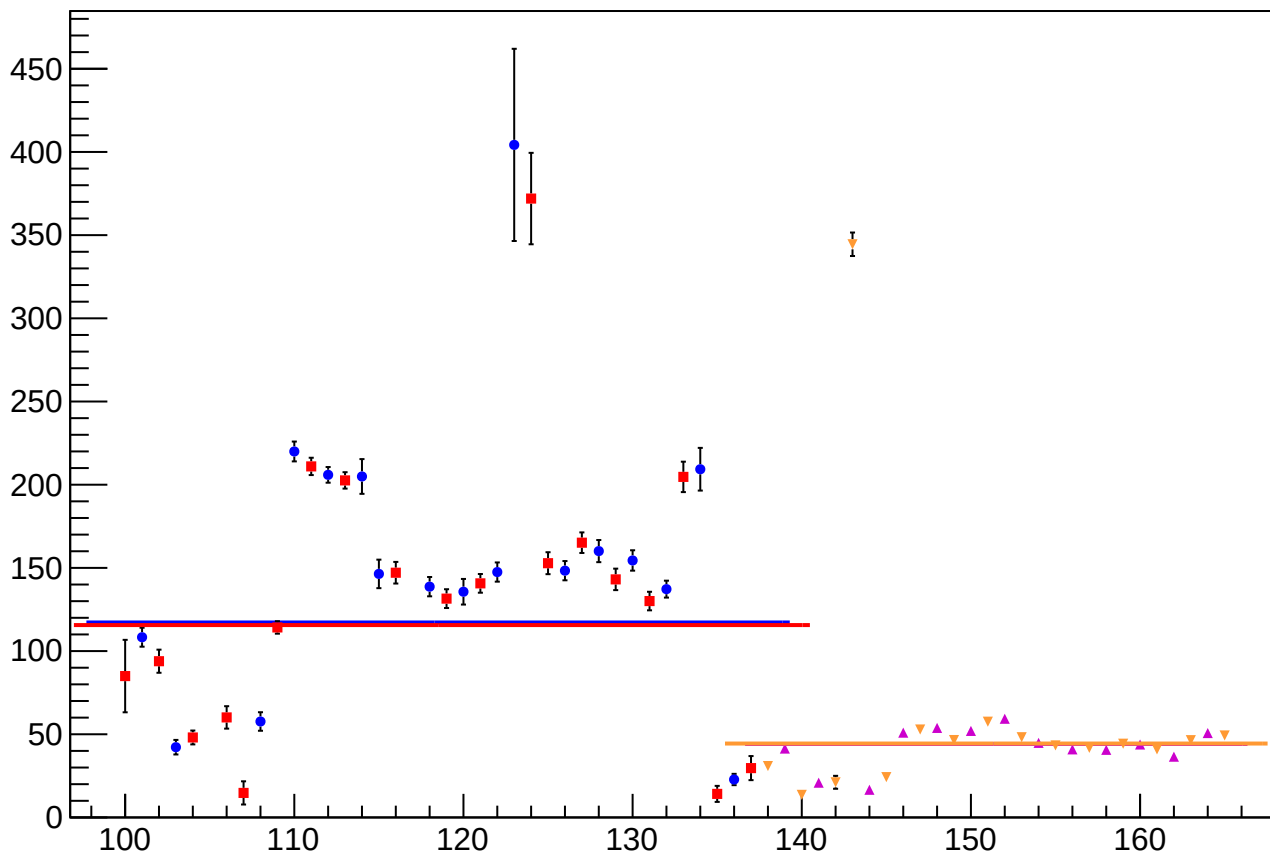
Left In: -0.757 ± 0.434 χ^2/NDF : 88.8/12

+ sign -1.894 ± 0.372 χ^2/NDF : 419.3/31

All: -2.127 ± 0.265 χ^2/NDF : 820.4/63

- sign -2.367 ± 0.377 χ^2/NDF : 400.3/31

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 44.426 ± 0.594 χ^2/NDF : 2189.7/14

Right Out: 115.632 ± 1.361 χ^2/NDF : 2137.6/18

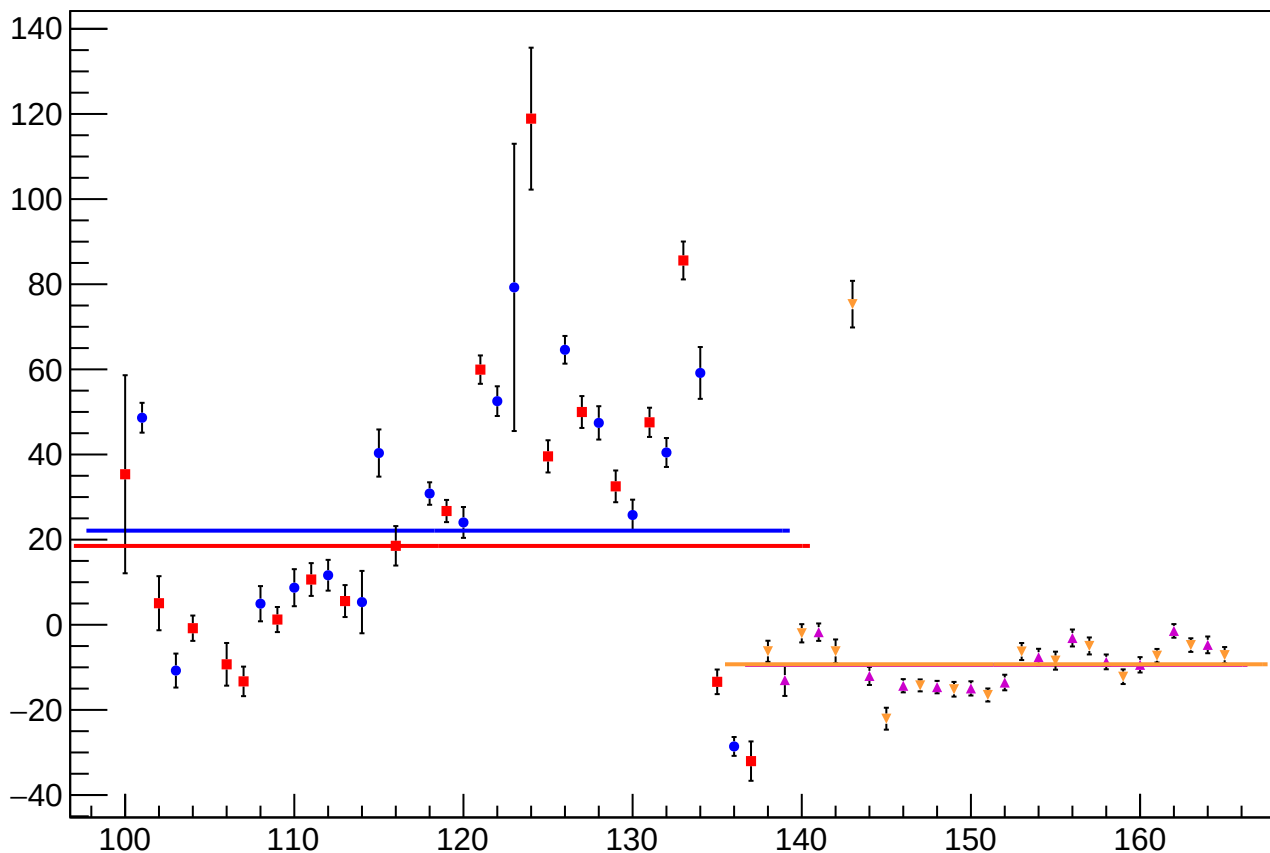
Left In: 44.157 ± 0.603 χ^2/NDF : 331.5/12

+ sign 55.298 ± 0.548 χ^2/NDF : 6595.5/31

All: 55.595 ± 0.389 χ^2/NDF : 11370.0/63

- sign 55.897 ± 0.552 χ^2/NDF : 4773.9/31

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 ± 0.898 $\chi^2/\text{NDF}: 1070.3/16$

Left Out: -9.284 ± 0.495 $\chi^2/\text{NDF}: 344.6/14$

Right Out: 18.521 ± 0.871 $\chi^2/\text{NDF}: 1068.6/18$

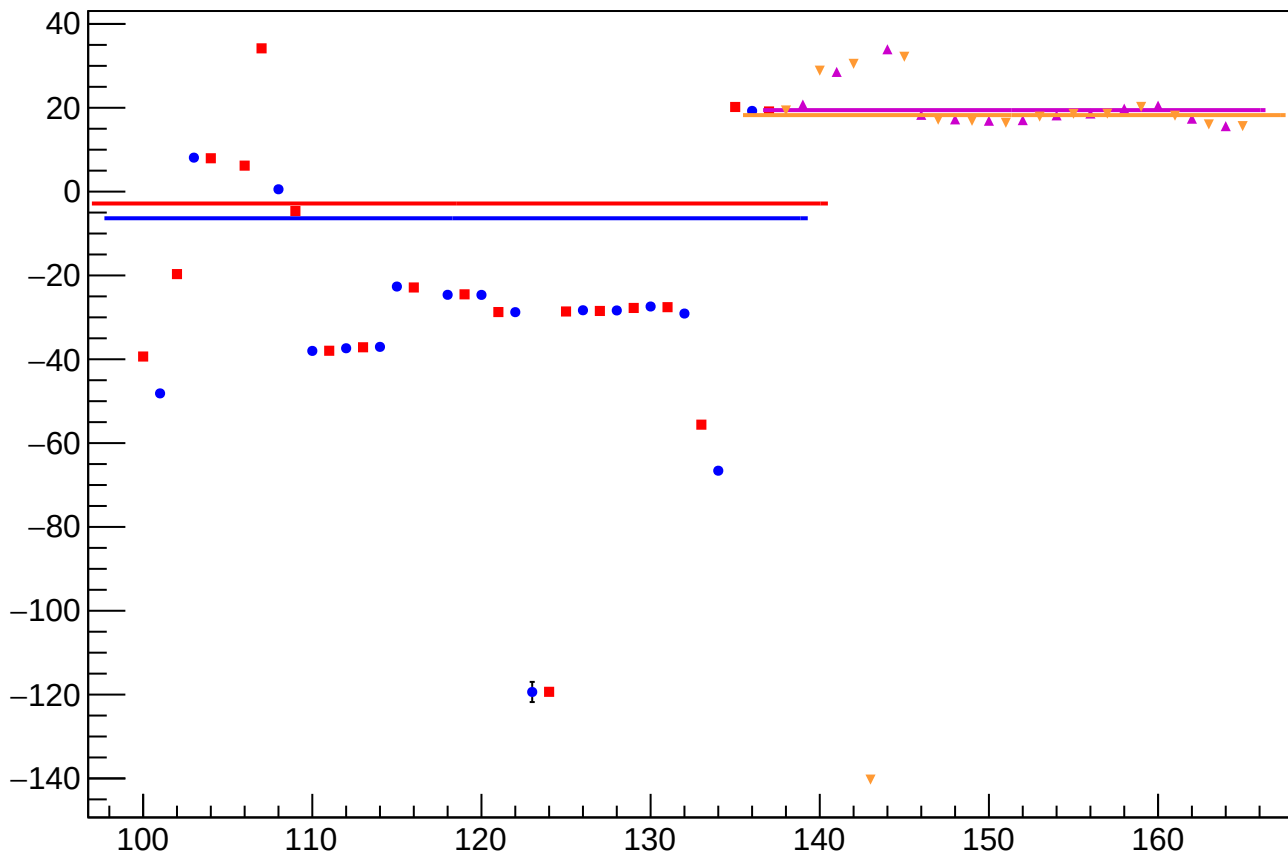
Left In: -9.434 ± 0.509 $\chi^2/\text{NDF}: 96.8/12$

+ sign -1.978 ± 0.433 $\chi^2/\text{NDF}: 2352.4/31$

All: -2.147 ± 0.309 $\chi^2/\text{NDF}: 4285.8/63$

- sign -2.321 ± 0.439 $\chi^2/\text{NDF}: 1933.1/31$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 $\pm$ 0.046 χ^2 /NDF: 264750.9/16

Left Out: 18.250 $\pm$ 0.023 χ^2 /NDF: 351098.7/14

Right Out: -2.837 $\pm$ 0.046 χ^2 /NDF: 265573.0/18

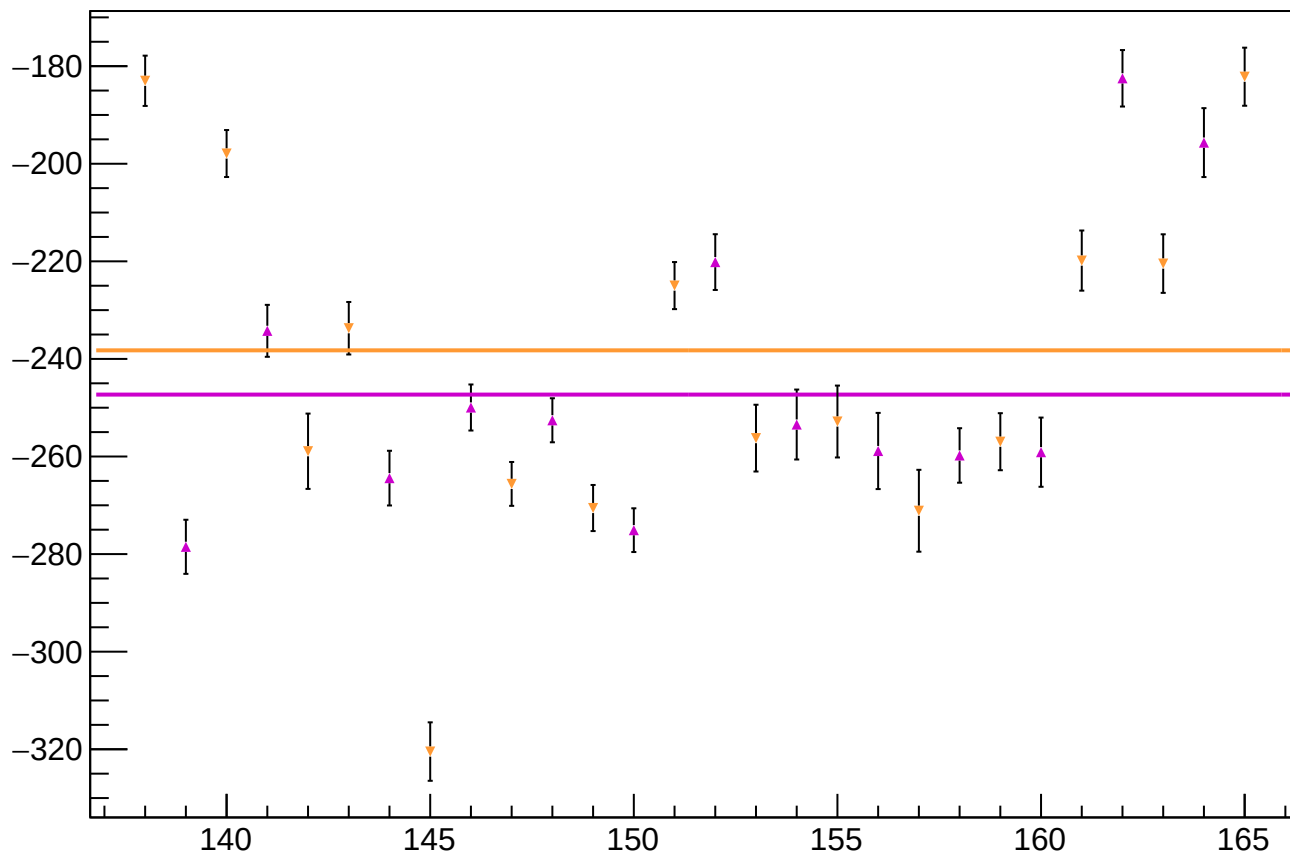
Left In: 19.442 $\pm$ 0.024 χ^2 /NDF: 29181.3/12

+ sign 13.274 $\pm$ 0.021 χ^2 /NDF: 841114.9/31

All: 14.007 $\pm$ 0.015 χ^2 /NDF: 1325613.2/63

- sign 14.751 $\pm$ 0.021 χ^2 /NDF: 482002.7/31

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -238.242+/-1.470 χ^2/NDF : 615.8/14

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

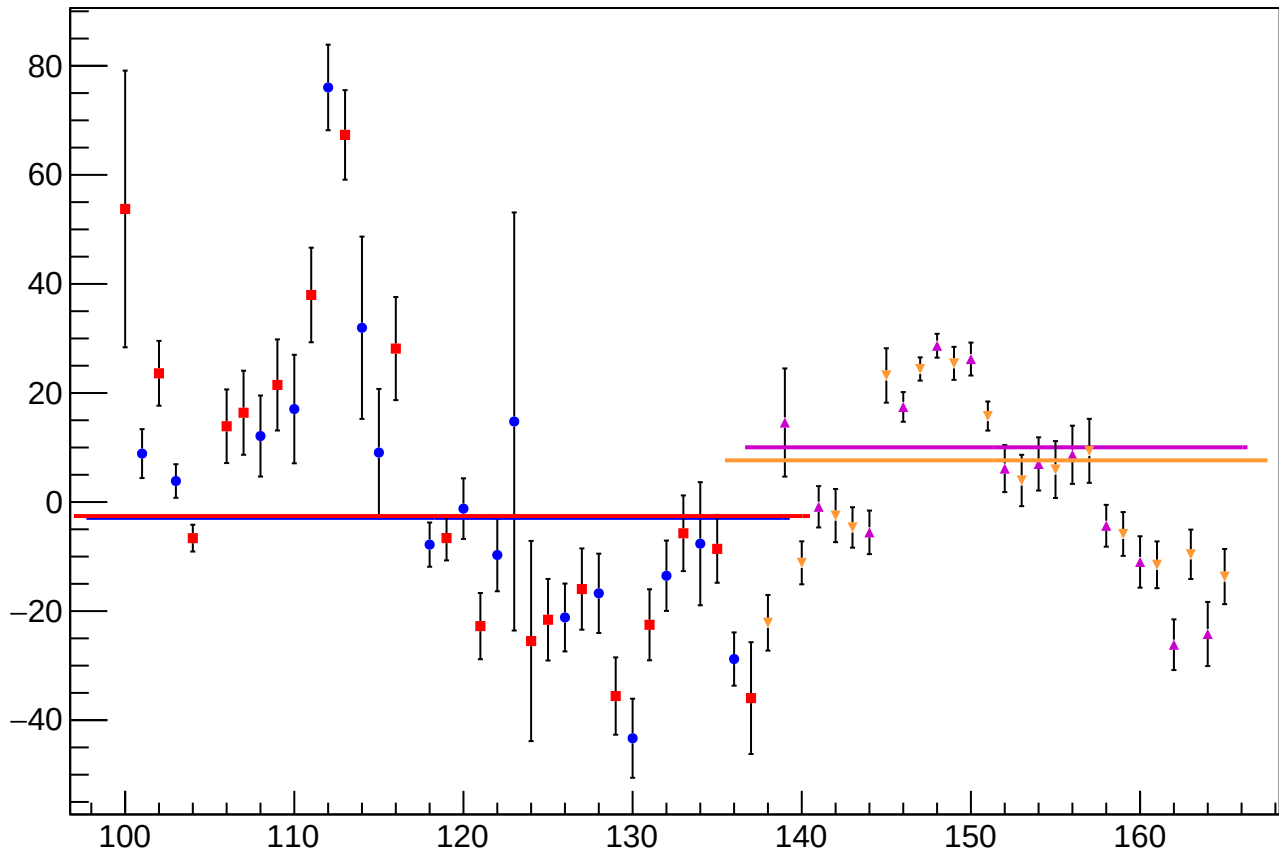
Left In: -247.310+/-1.558 χ^2/NDF : 299.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -242.512+/-1.069 χ^2/NDF : 933.1/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 7.648 ± 0.979 χ^2/NDF : 251.9/14

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

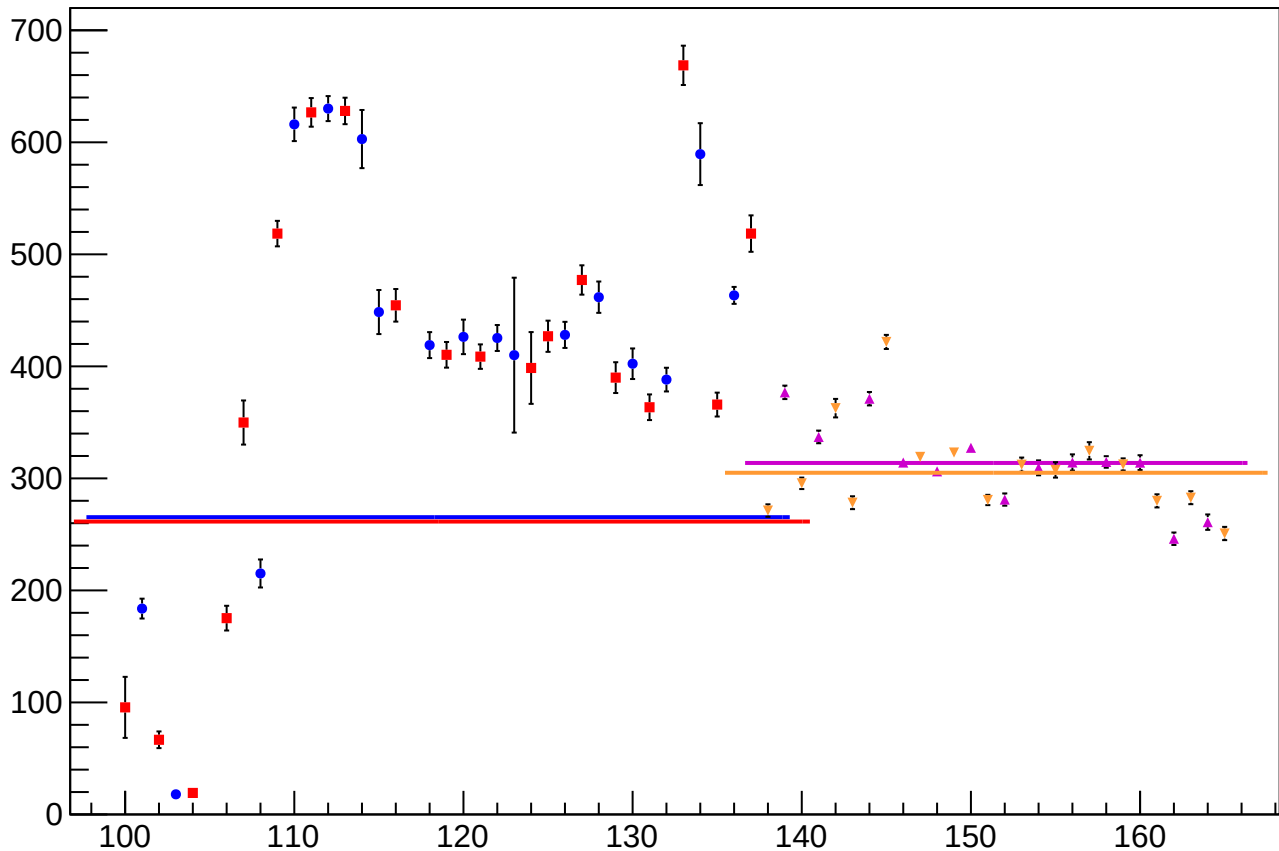
Left In: 10.039 ± 1.045 χ^2/NDF : 262.3/12

+ sign 4.397 ± 0.814 χ^2/NDF : 491.2/31

All: 4.940 ± 0.584 χ^2/NDF : 1024.9/63

- sign 5.512 ± 0.837 χ^2/NDF : 532.8/31

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 305.017 $\pm$ 1.444 χ^2 /NDF:637.6/14

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

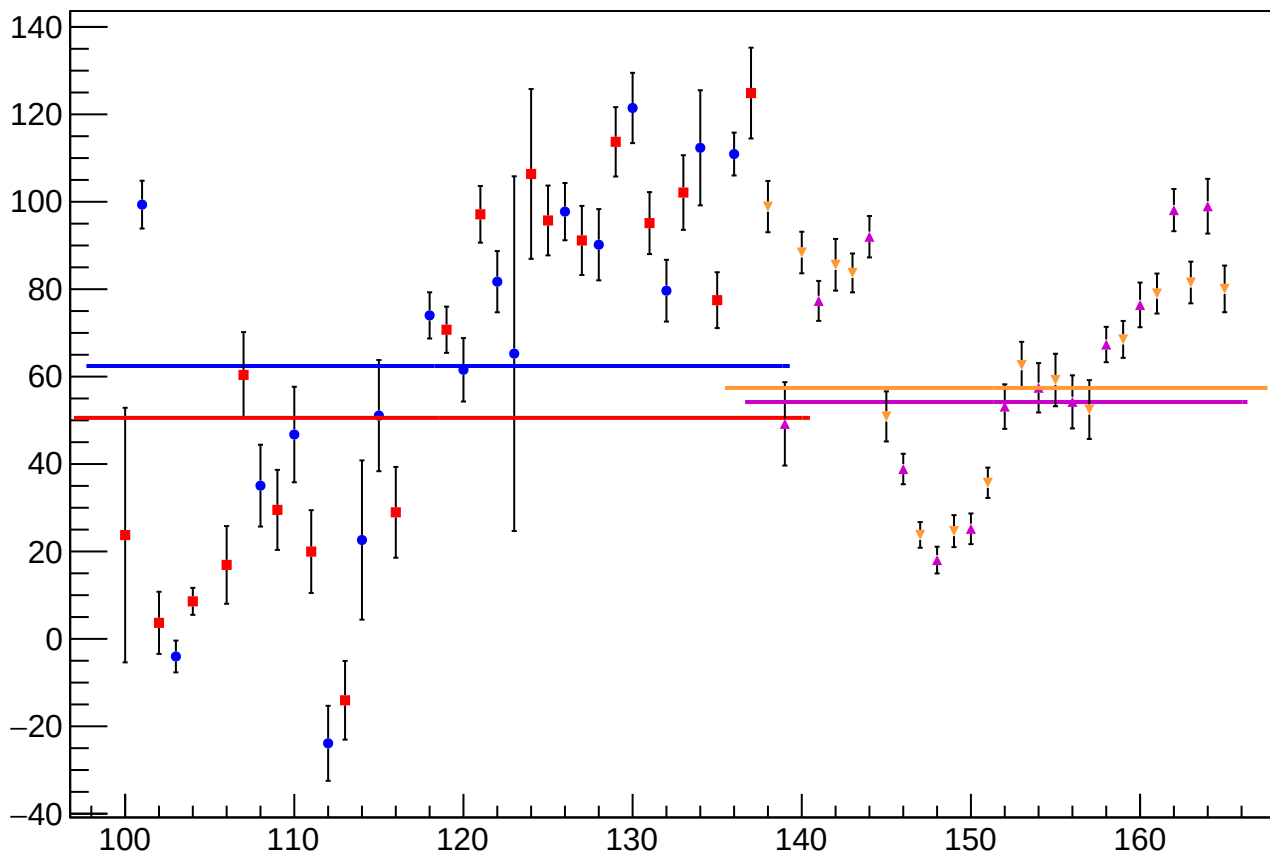
Left In: 313.771 $\pm$ 1.511 χ^2 /NDF:474.6/12

+ sign 295.031 $\pm$ 1.249 χ^2 /NDF: 8461.4/31

All: 297.159 $\pm$ 0.896 χ^2 /NDF: 17474.9/63

- sign 299.421 $\pm$ 1.287 χ^2 /NDF: 9007.5/31

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 57.415 $\pm$ 1.175 χ^2 /NDF: 476.1/14

Right Out: 50.560 $\pm$ 1.642 χ^2 /NDF: 657.4/18

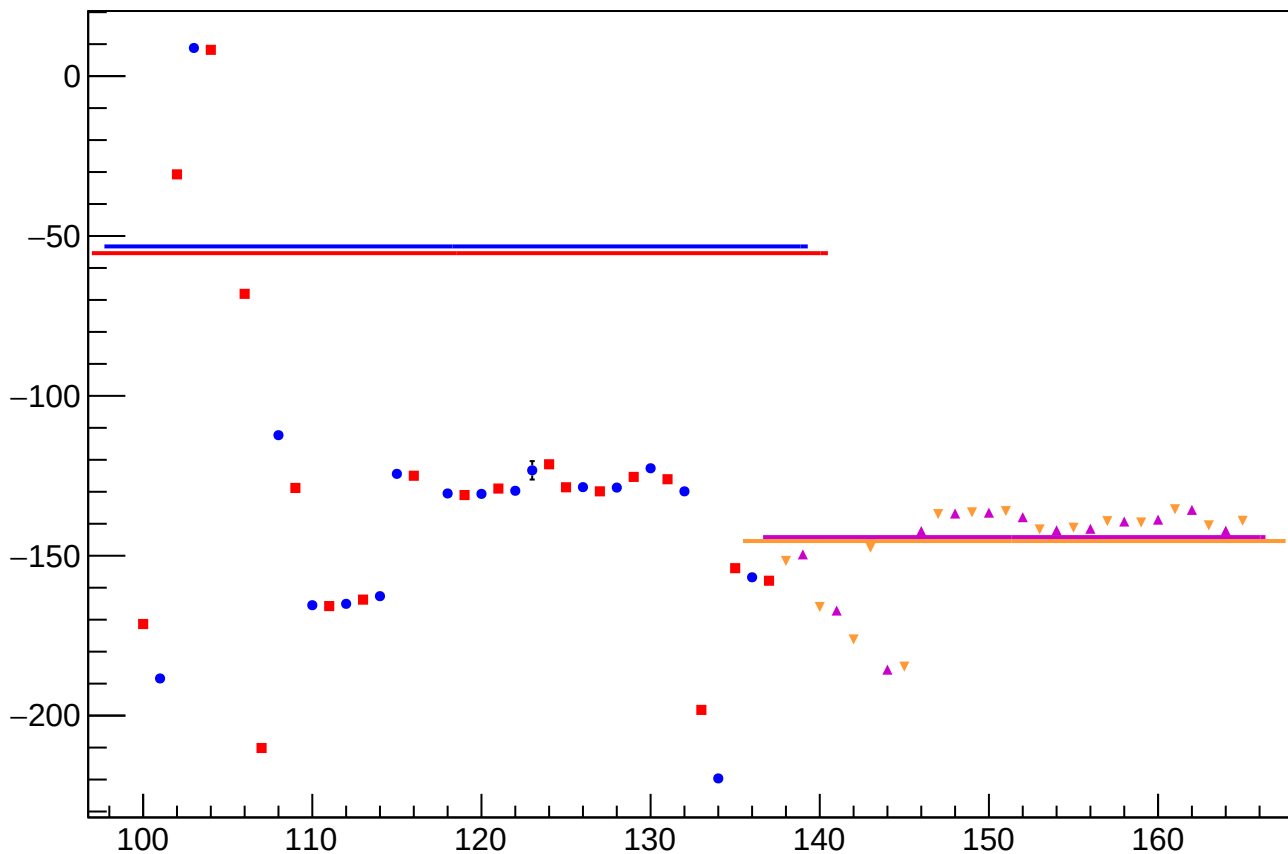
Left In: 54.192 $\pm$ 1.251 χ^2 /NDF: 480.7/12

+ sign 59.045 $\pm$ 0.965 χ^2 /NDF: 1203.8/31

All: 56.046 $\pm$ 0.693 χ^2 /NDF: 2364.9/63

- sign 52.858 $\pm$ 0.995 χ^2 /NDF: 1141.2/31

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 ± 0.070 $\chi^2/\text{NDF}: 1225492.9/16$

Left Out: -145.406 ± 0.058 $\chi^2/\text{NDF}: 54345.6/14$

Right Out: -55.373 ± 0.072 $\chi^2/\text{NDF}: 967027.2/18$

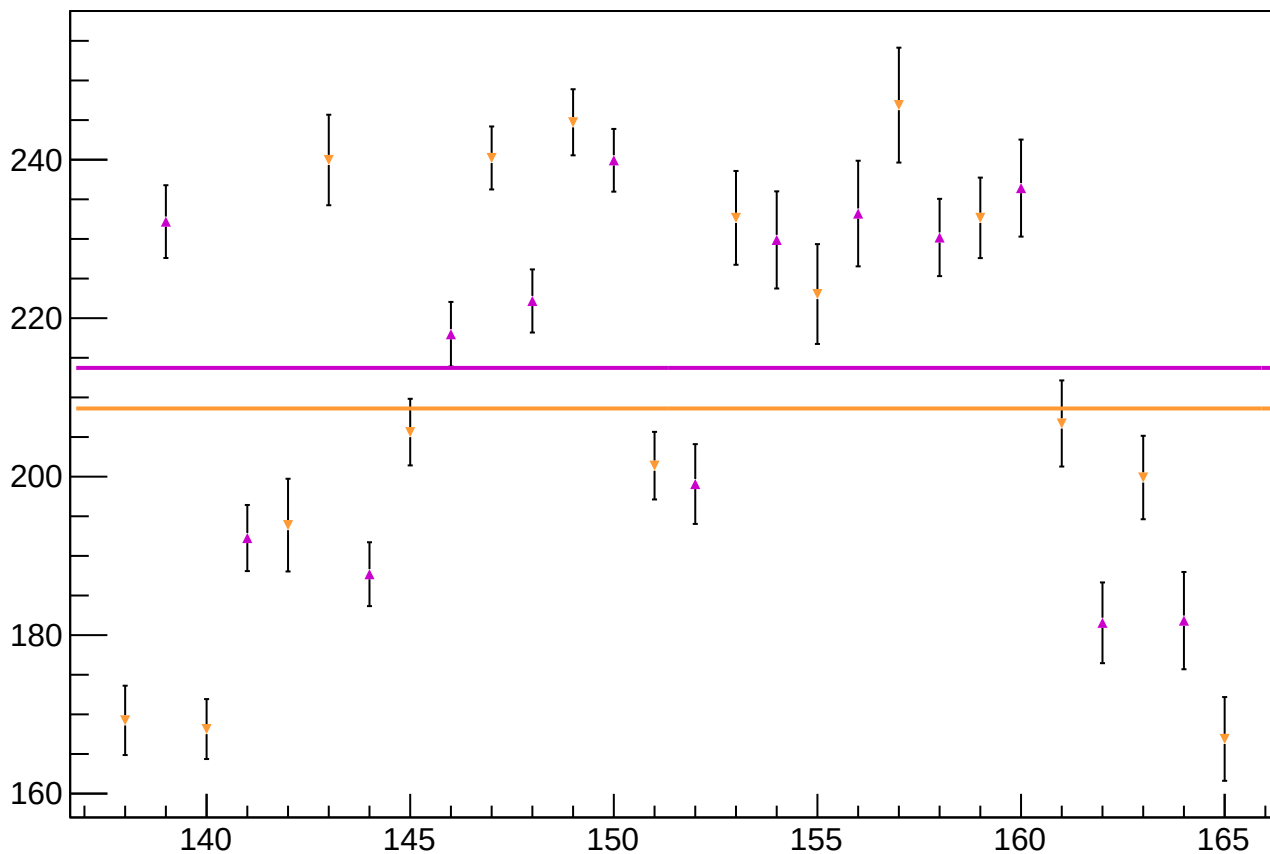
Left In: -144.173 ± 0.060 $\chi^2/\text{NDF}: 42979.1/12$

+ sign -108.153 ± 0.045 $\chi^2/\text{NDF}: 2299978.1/31$

All: -107.905 ± 0.032 $\chi^2/\text{NDF}: 4206611.4/63$

- sign -107.640 ± 0.046 $\chi^2/\text{NDF}: 1906569.6/31$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 208.604 $\pm$ 1.258 χ^2 /NDF:510.7/14

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

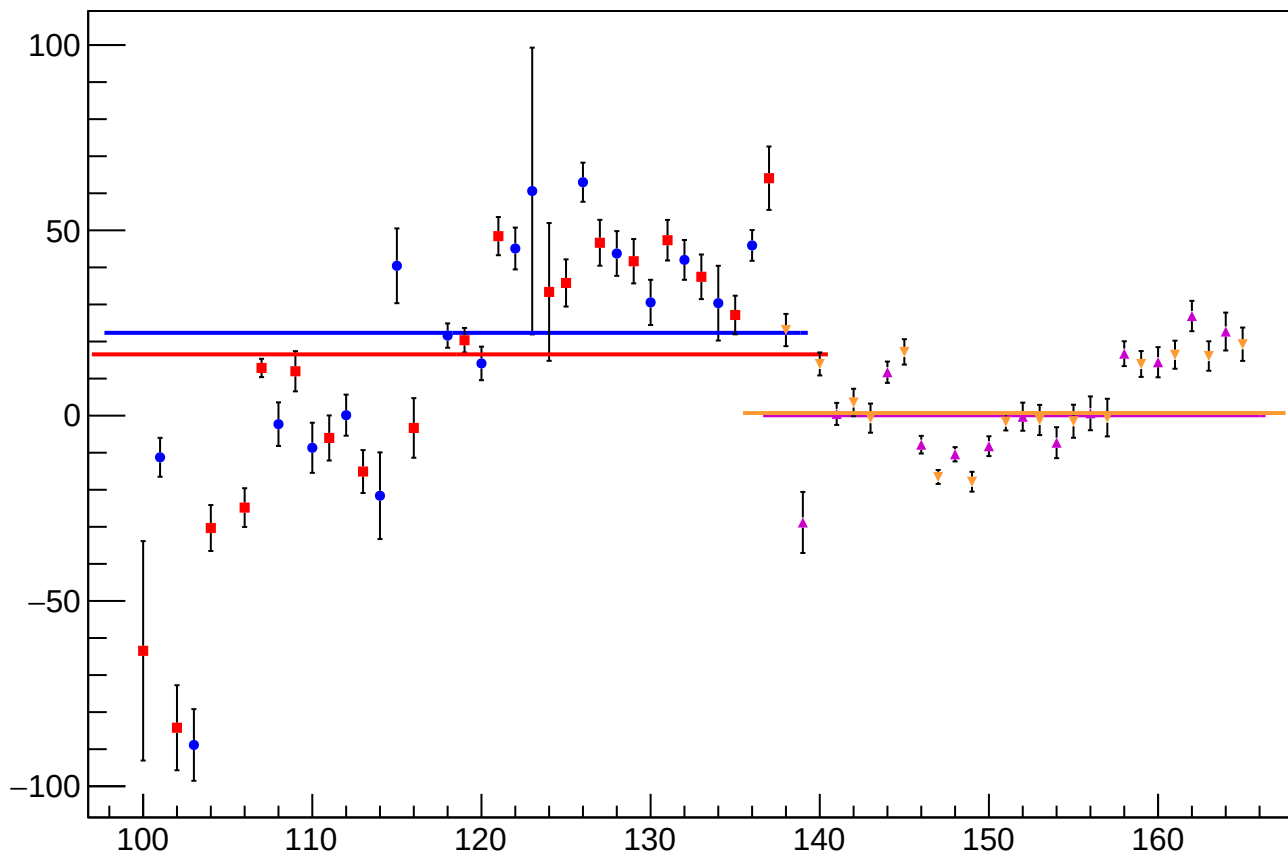
Left In: 213.726 $\pm$ 1.318 χ^2 /NDF:249.7/12

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

All: 211.047 $\pm$ 0.910 χ^2 /NDF: 768.3/27

- sign 0.000 $\pm$ 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: 0.708 ± 0.846 χ^2/NDF : 265.8/14

Right Out: 16.537 ± 1.227 χ^2/NDF : 426.6/18

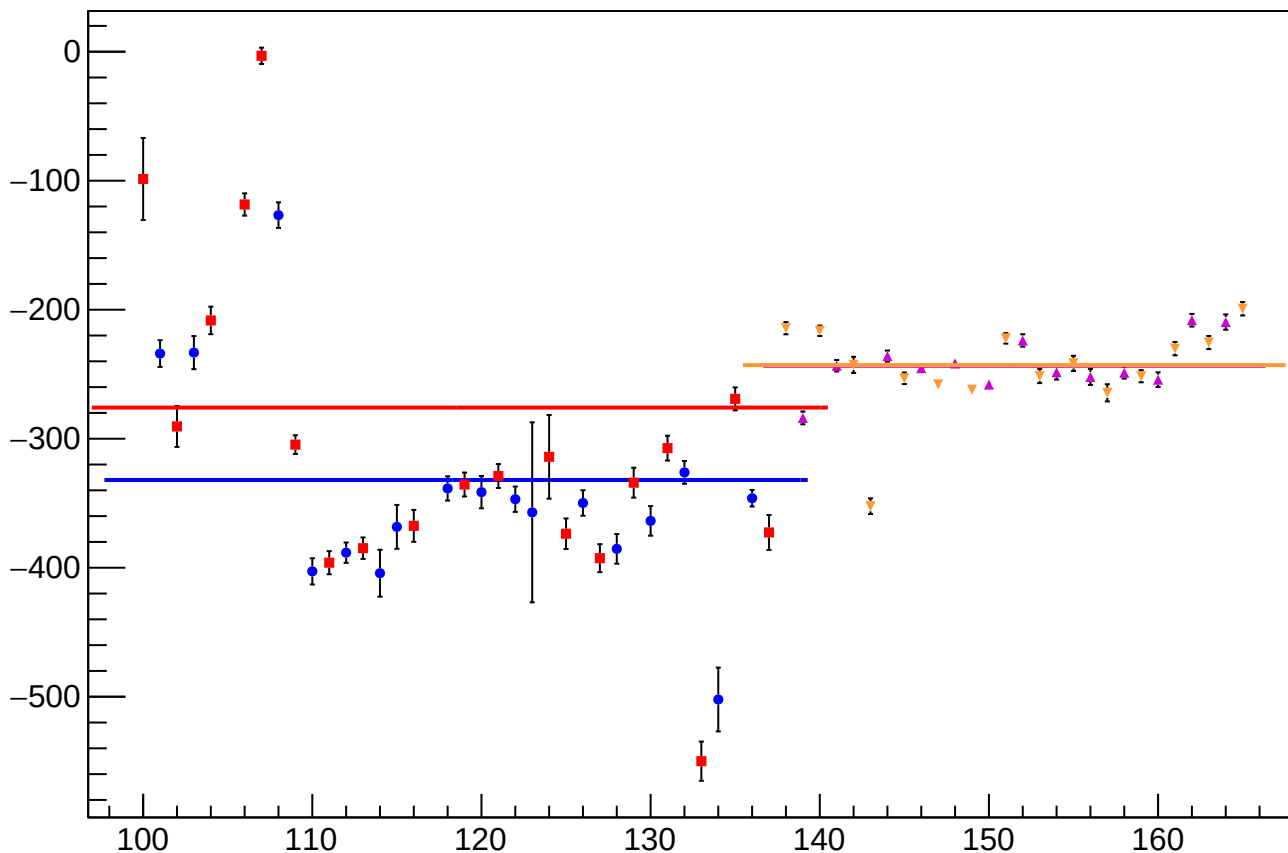
Left In: 0.103 ± 0.892 χ^2/NDF : 181.8/12

+ sign 6.528 ± 0.724 χ^2/NDF : 827.4/31

All: 6.156 ± 0.511 χ^2/NDF : 1553.5/63

- sign 5.786 ± 0.722 χ^2/NDF : 725.6/31

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 χ^2/NDF : 785.0/16

Left Out: -242.946 ± 1.241 χ^2/NDF : 576.8/14

Right Out: -275.842 ± 2.325 χ^2/NDF : 3362.2/18

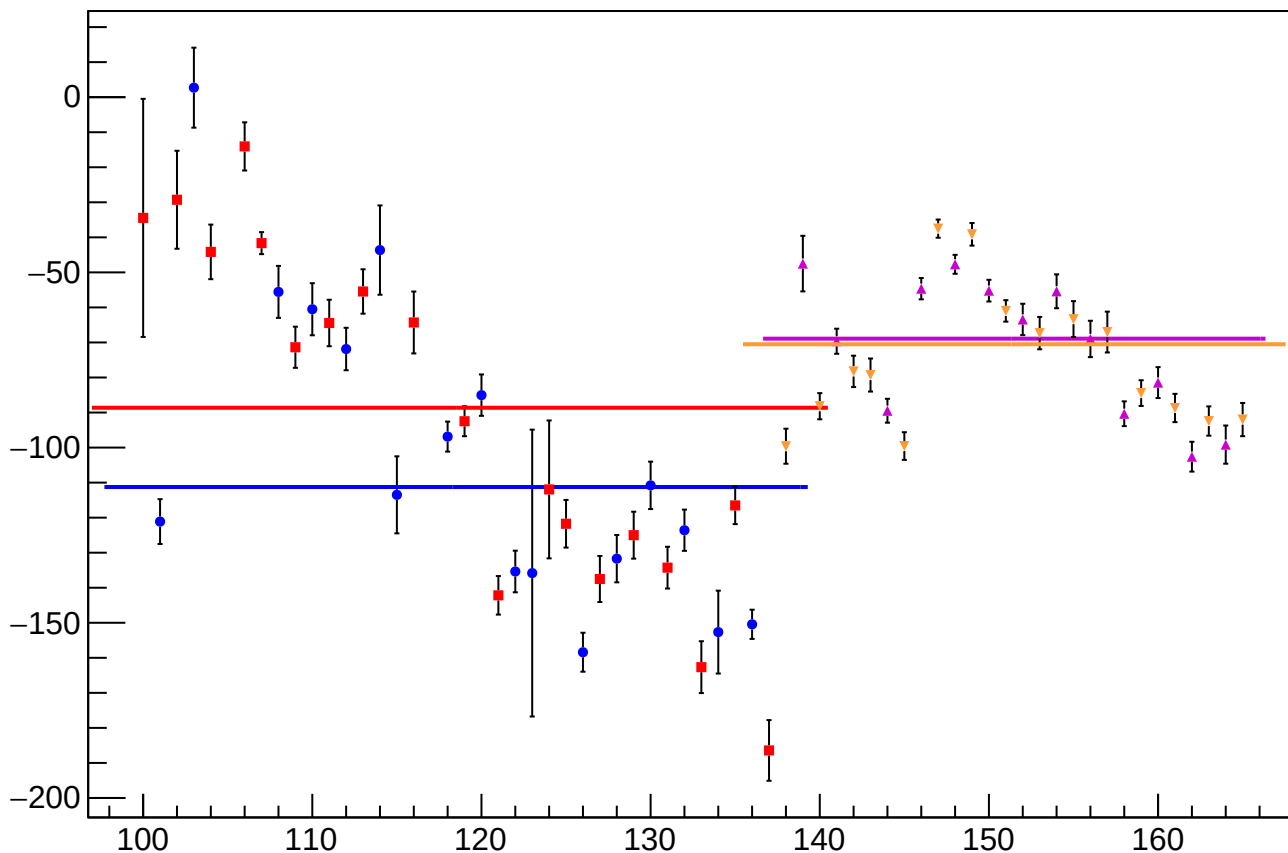
Left In: -243.456 ± 1.285 χ^2/NDF : 193.1/12

+ sign -259.664 ± 1.118 χ^2/NDF : 2329.1/31

All: -255.378 ± 0.793 χ^2/NDF : 6062.6/63

- sign -251.040 ± 1.125 χ^2/NDF : 3704.0/31

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -70.513 ± 1.014 χ^2/NDF : 467.9/14

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

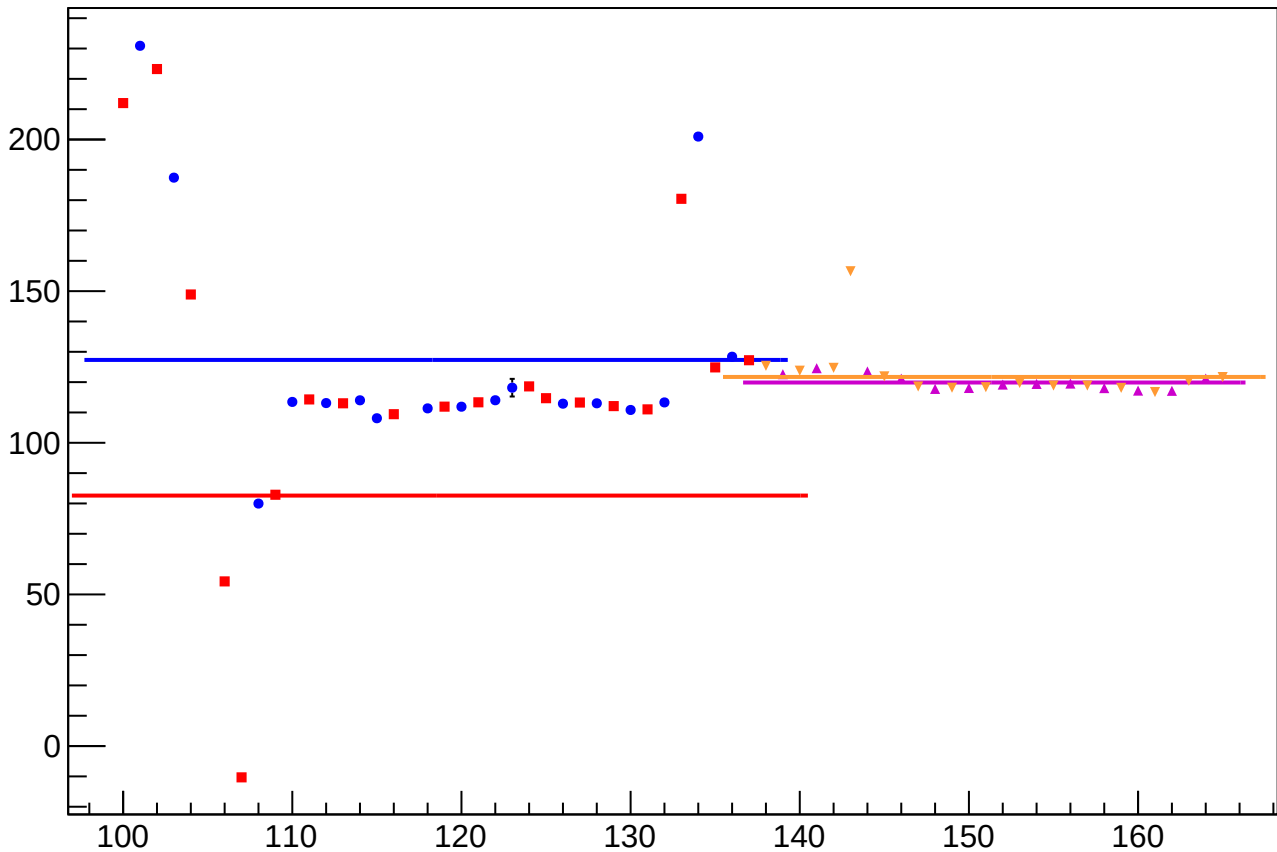
Left In: -68.918 ± 1.066 χ^2/NDF : 294.6/12

+ sign -82.216 ± 0.856 χ^2/NDF : 1441.3/31

All: -79.079 ± 0.605 χ^2/NDF : 2855.6/63

- sign -75.944 ± 0.856 χ^2/NDF : 1387.4/31

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 121.713+/-0.050 χ^2/NDF : 23673.1/14

Right Out: 82.595+/-0.075 χ^2/NDF : 765022.5/18

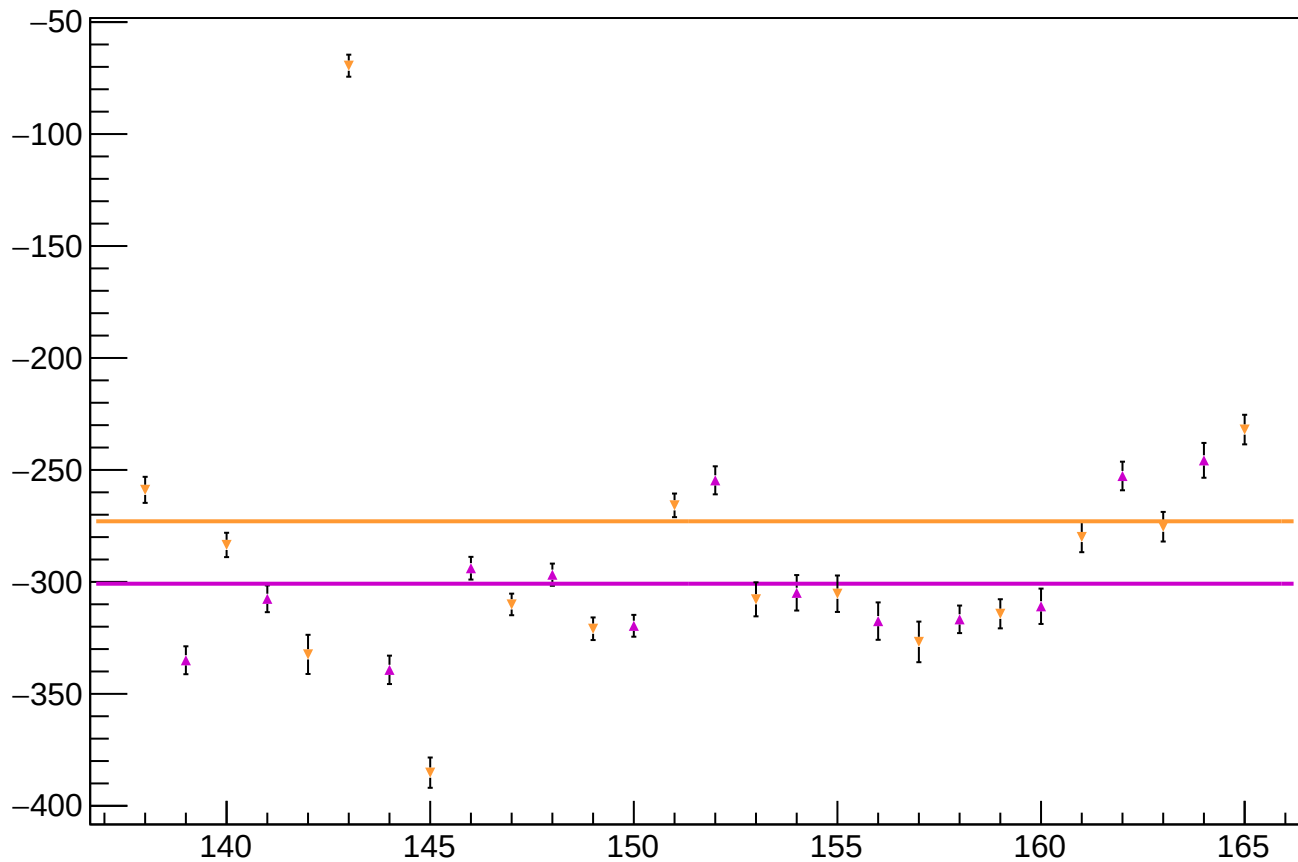
Left In: 119.875+/-0.051 χ^2/NDF : 2206.9/12

+ sign 123.041+/-0.044 χ^2/NDF : 214452.3/31

All: 115.371+/-0.030 χ^2/NDF : 1209581.8/63

- sign 108.104+/-0.042 χ^2/NDF : 934615.0/31

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -272.933+/-1.594 χ^2/NDF : 2342.5/14

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

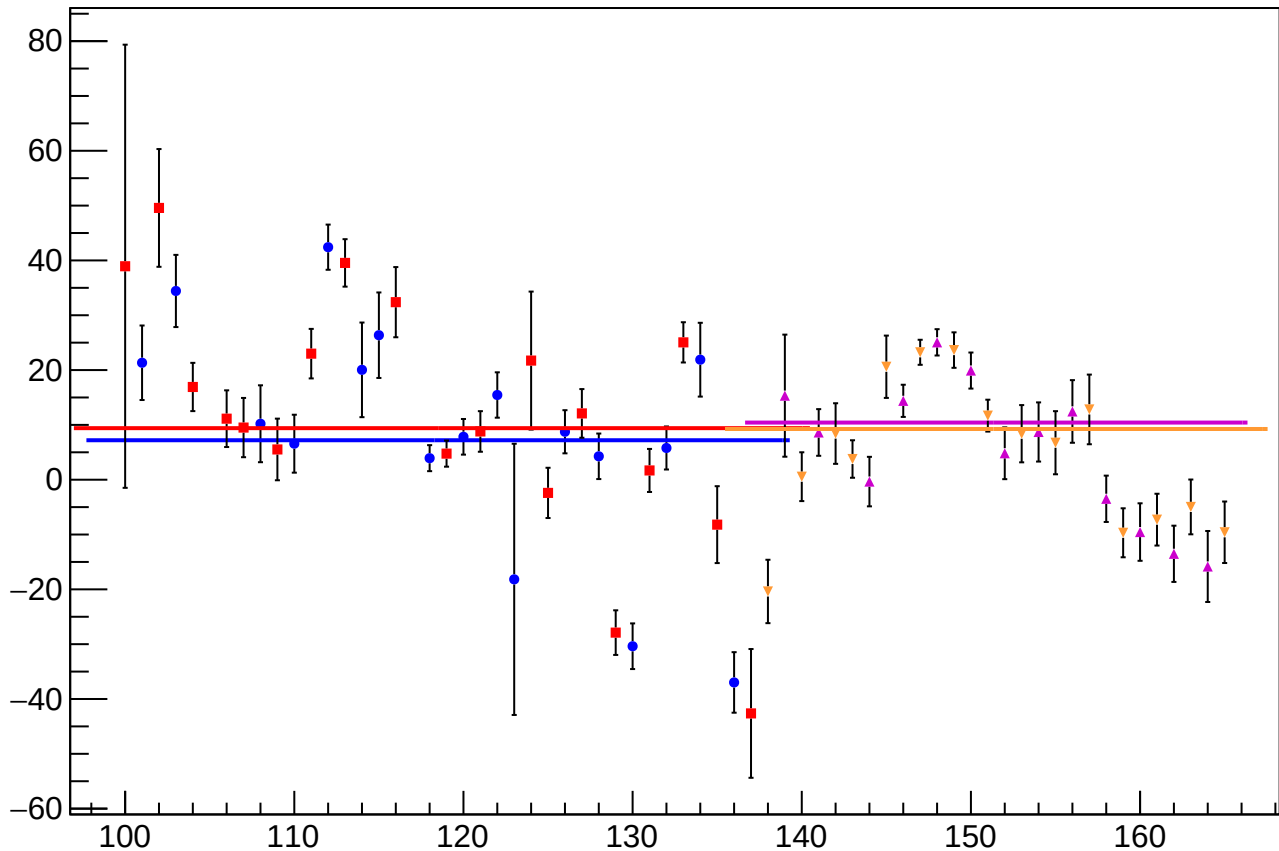
Left In: -300.809+/-1.716 χ^2/NDF : 259.3/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -285.848+/-1.168 χ^2/NDF : 2743.5/27

- 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: 9.252 $\pm$ 1.058 χ^2/NDF :144.8/14

Right Out: 9.403 $\pm$ 1.071 χ^2/NDF : 232.2/18

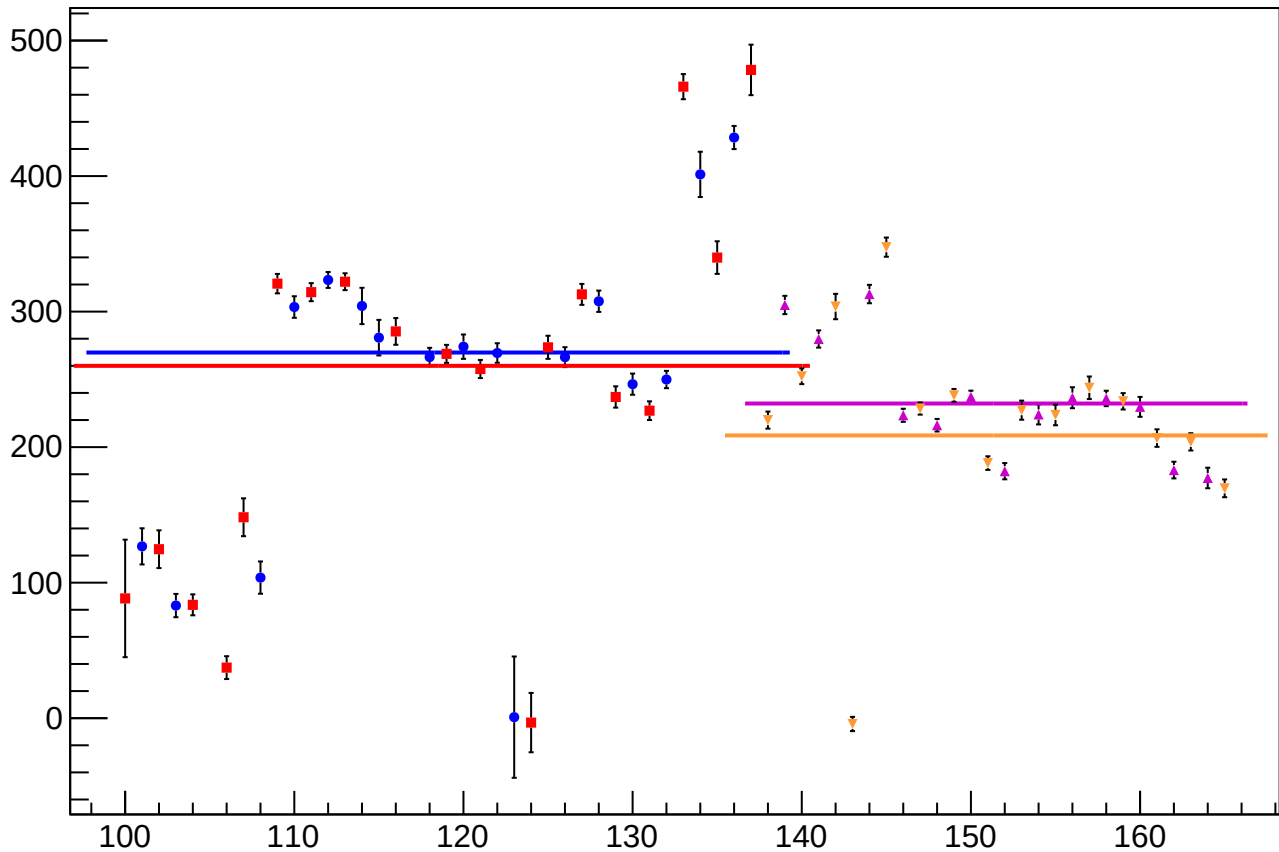
Left In: 10.423 $\pm$ 1.148 χ^2/NDF :118.5/12

+ sign 8.268 $\pm$ 0.763 χ^2/NDF : 407.5/31

All: 9.052 $\pm$ 0.547 χ^2/NDF : 760.8/63

- sign 9.877 $\pm$ 0.783 χ^2/NDF : 351.1/31

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 208.635 $\pm$ 1.567 χ^2 /NDF:2346.5/14

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

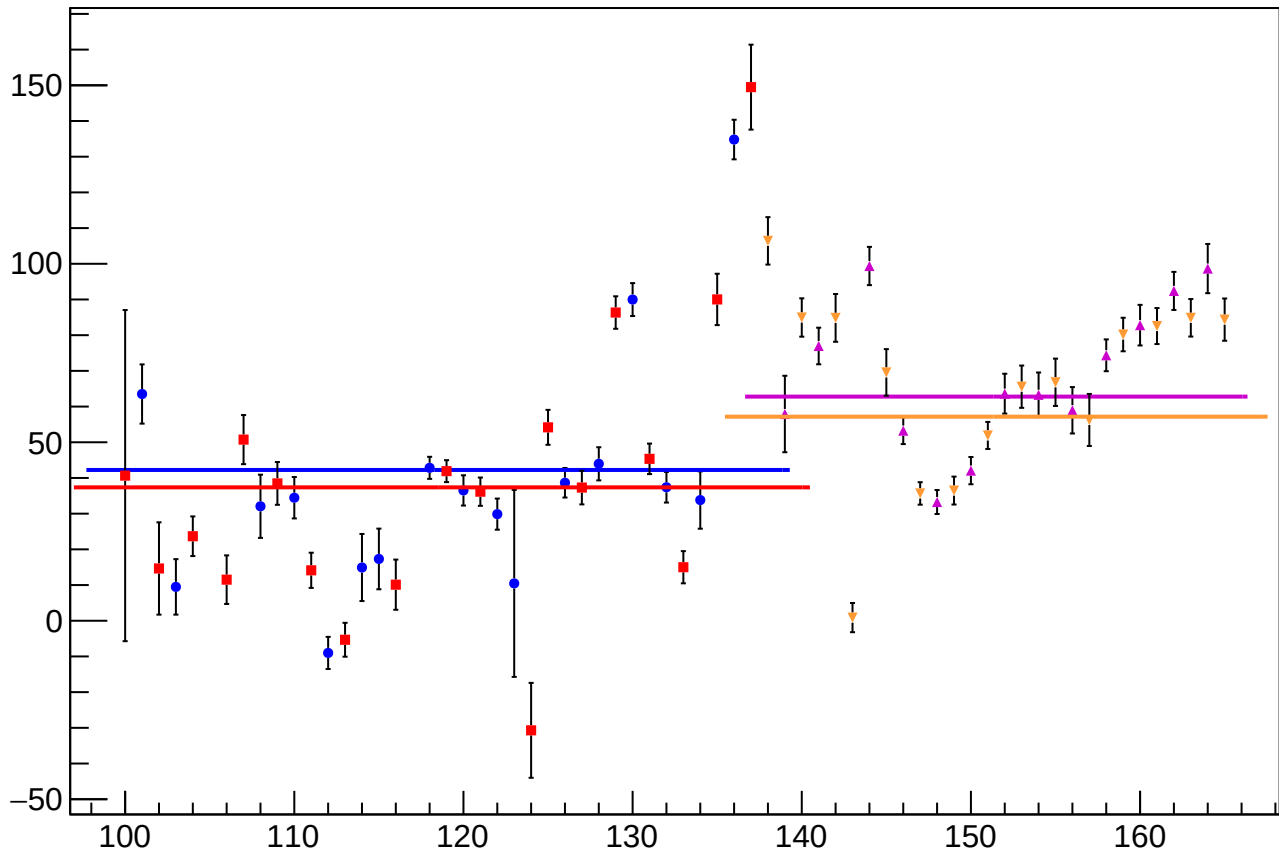
Left In: 232.182 $\pm$ 1.662 χ^2 /NDF:517.6/12

+ sign 230.655 $\pm$ 1.253 χ^2 /NDF: 4269.4/31

All: 237.078 $\pm$ 0.893 χ^2 /NDF: 7494.7/63

- sign 243.694 $\pm$ 1.272 χ^2 /NDF: 3172.0/31

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 57.164 $\pm$ 1.272 χ^2 /NDF: 470.8/14

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

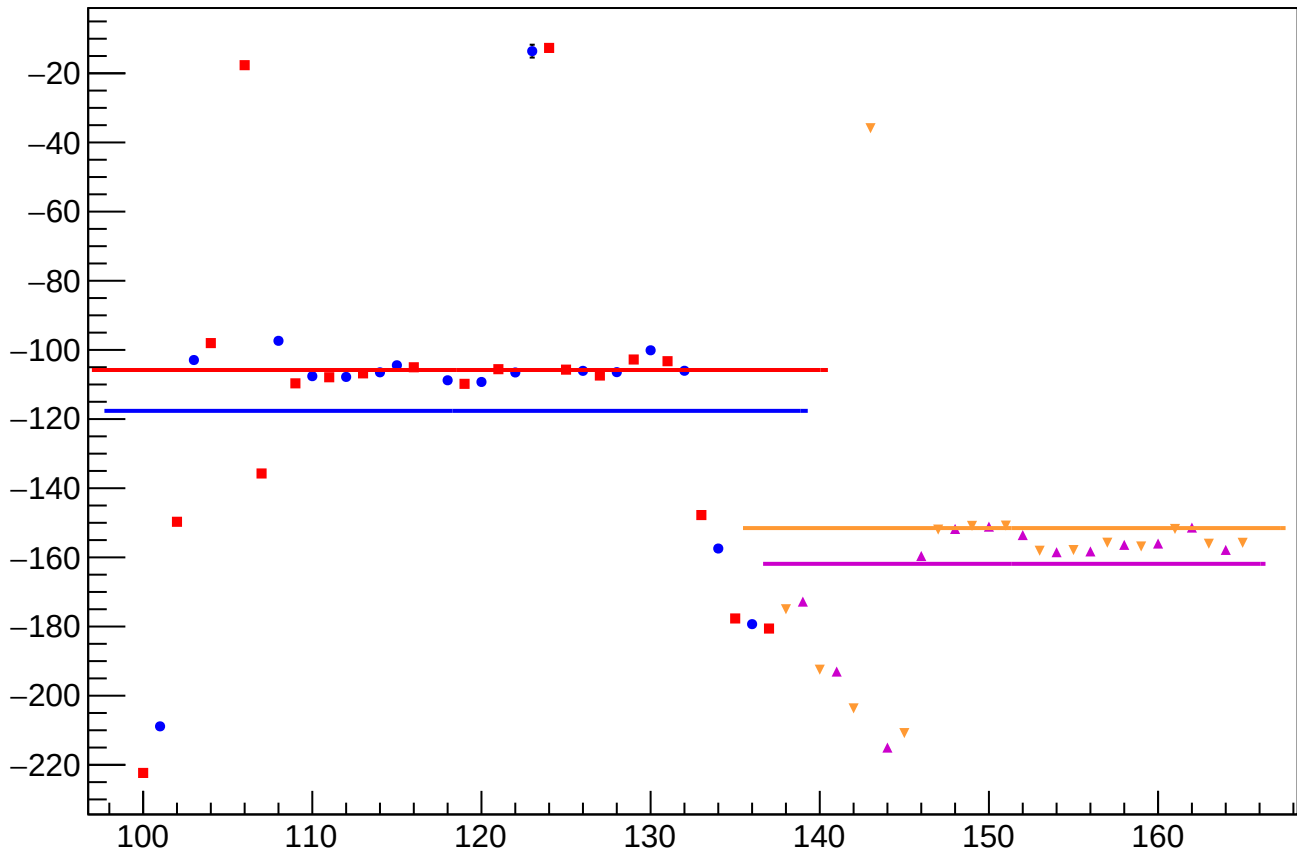
Left In: 62.792 $\pm$ 1.376 χ^2 /NDF: 245.2/12

+ sign 49.714 $\pm$ 0.900 χ^2 /NDF: 1113.9/31

All: 49.222 $\pm$ 0.643 χ^2 /NDF: 2021.2/63

- sign 48.709 $\pm$ 0.919 χ^2 /NDF: 906.7/31

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -151.527+/-0.063 χ^2/NDF : 403881.6/14

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

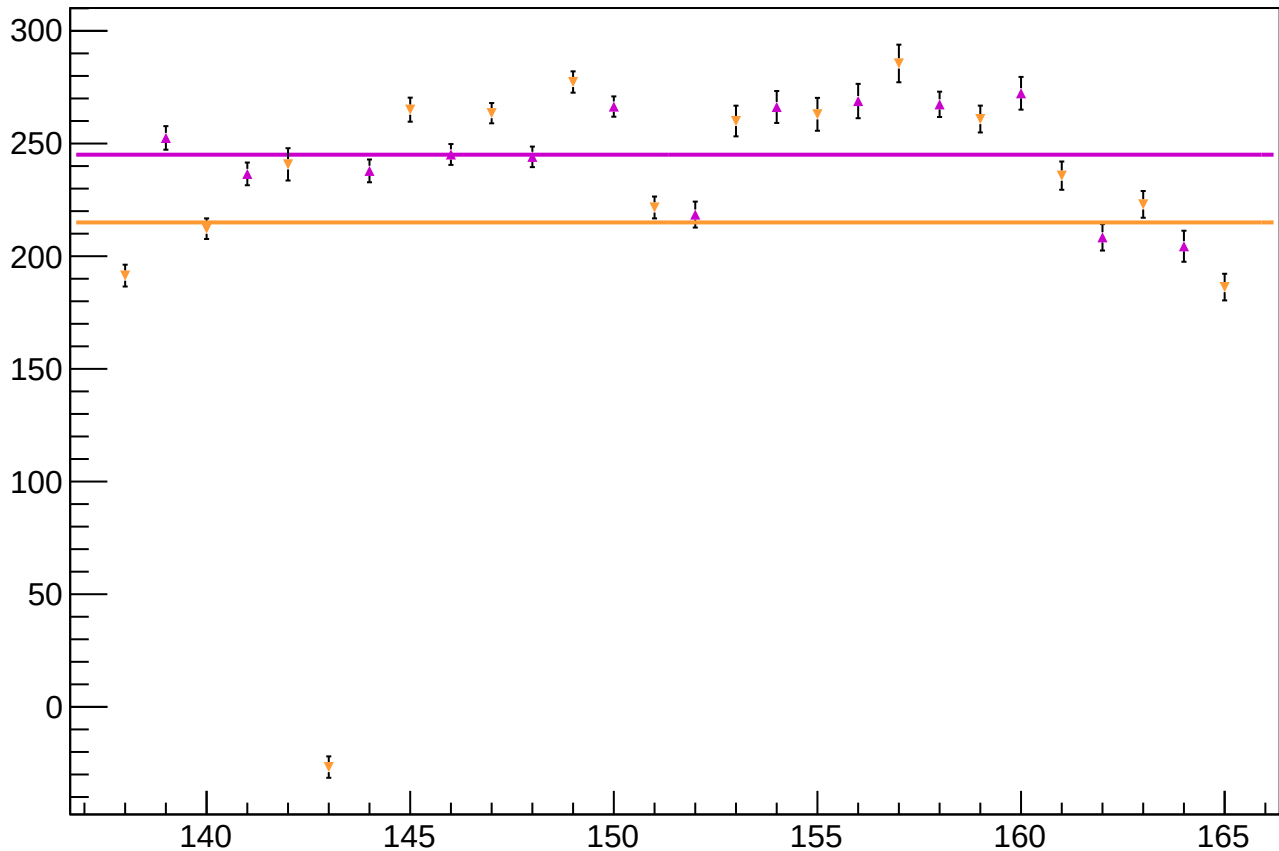
Left In: -161.866+/-0.066 χ^2/NDF : 59334.7/12

+ sign -138.250+/-0.049 χ^2/NDF : 659143.8/31

All: -137.372+/-0.035 χ^2/NDF : 1366759.1/63

- sign -136.500+/-0.049 χ^2/NDF : 706979.4/31

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 214.992+/-1.427 χ^2/NDF : 3254.9/14

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

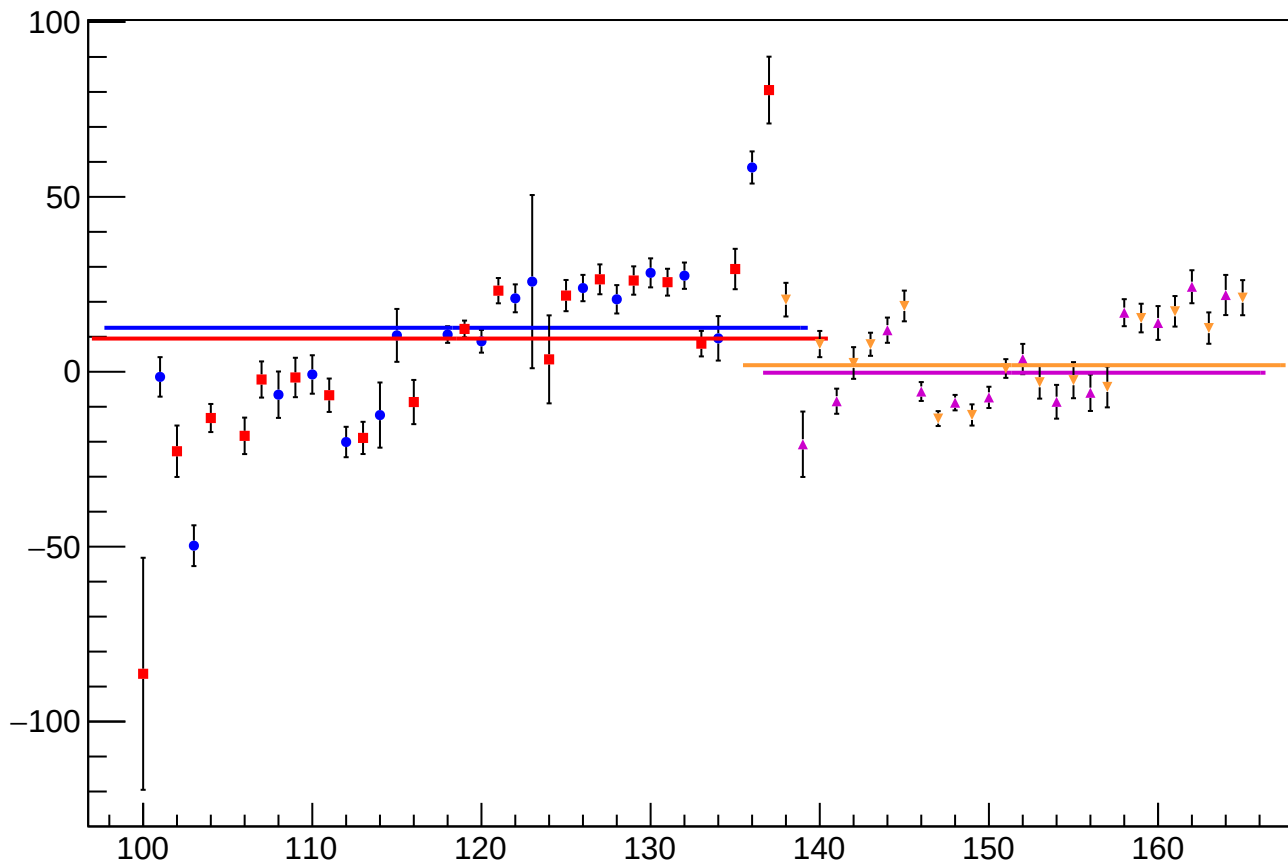
Left In: 245.047+/-1.530 χ^2/NDF : 173.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 228.971+/-1.044 χ^2/NDF : 3634.3/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 ± 1.074 χ^2/NDF : 348.0/16

Left Out: 1.880 ± 0.958 χ^2/NDF : 155.9/14

Right Out: 9.493 ± 1.047 χ^2/NDF : 295.8/18

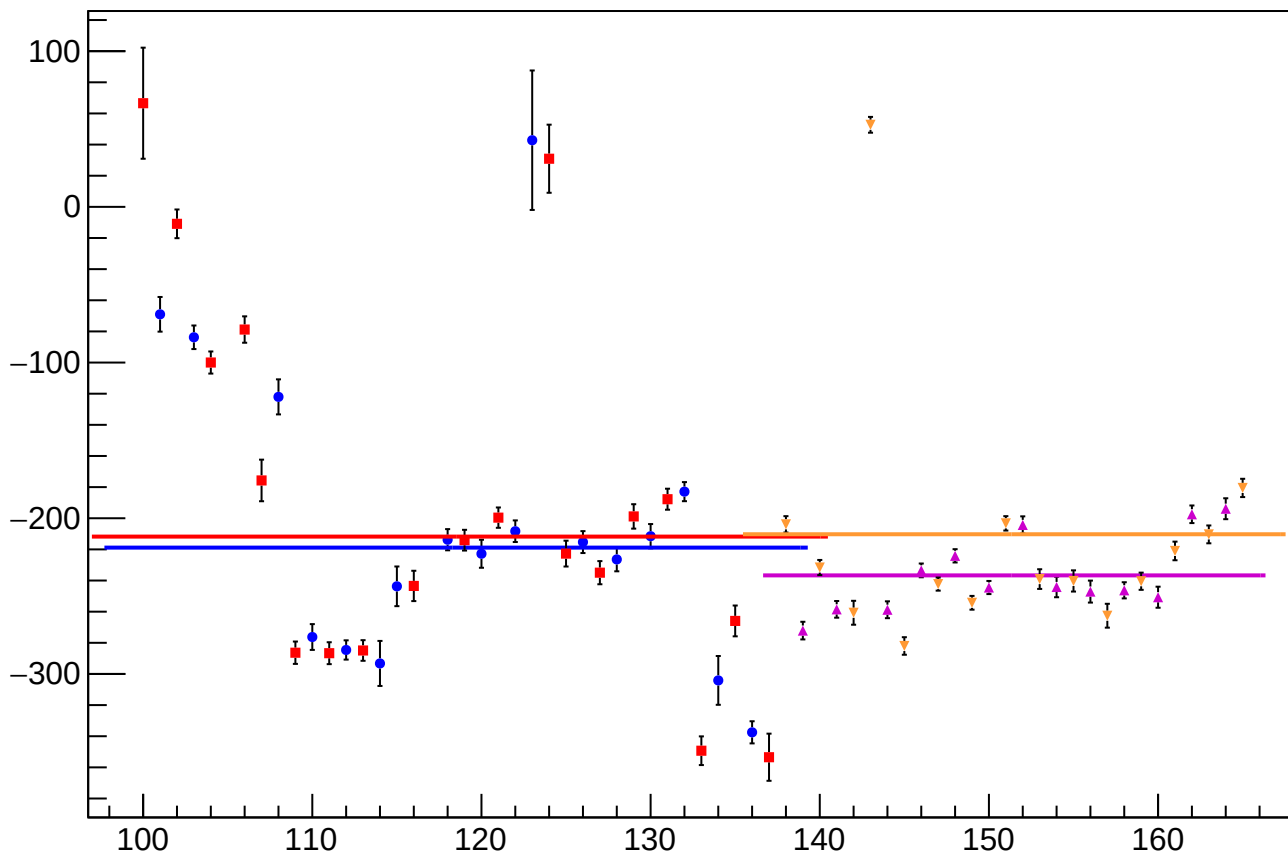
Left In: -0.275 ± 1.035 χ^2/NDF : 121.2/12

+ sign 6.620 ± 0.715 χ^2/NDF : 559.1/31

All: 5.614 ± 0.513 χ^2/NDF : 1024.2/63

- sign 4.549 ± 0.736 χ^2/NDF : 461.0/31

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -210.274 ± 1.408 χ^2/NDF : 3215.7/14

Right Out: -211.780 ± 1.924 χ^2/NDF : 1885.2/18

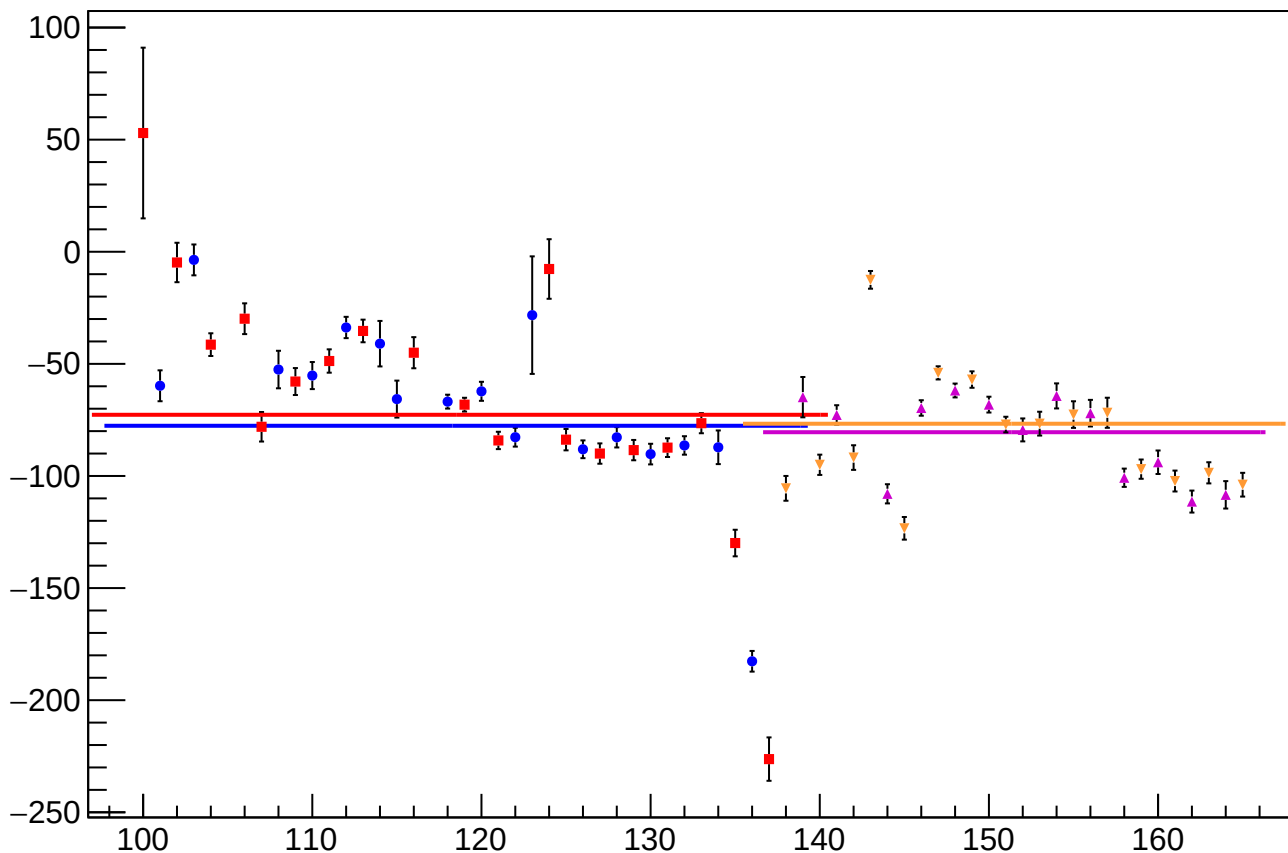
Left In: -236.695 ± 1.489 χ^2/NDF : 219.6/12

+ sign -213.077 ± 1.156 χ^2/NDF : 4374.4/31

All: -220.084 ± 0.825 χ^2/NDF : 6658.9/63

- sign -227.359 ± 1.178 χ^2/NDF : 2209.6/31

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -76.702 ± 1.149 χ^2/NDF : 589.8/14

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

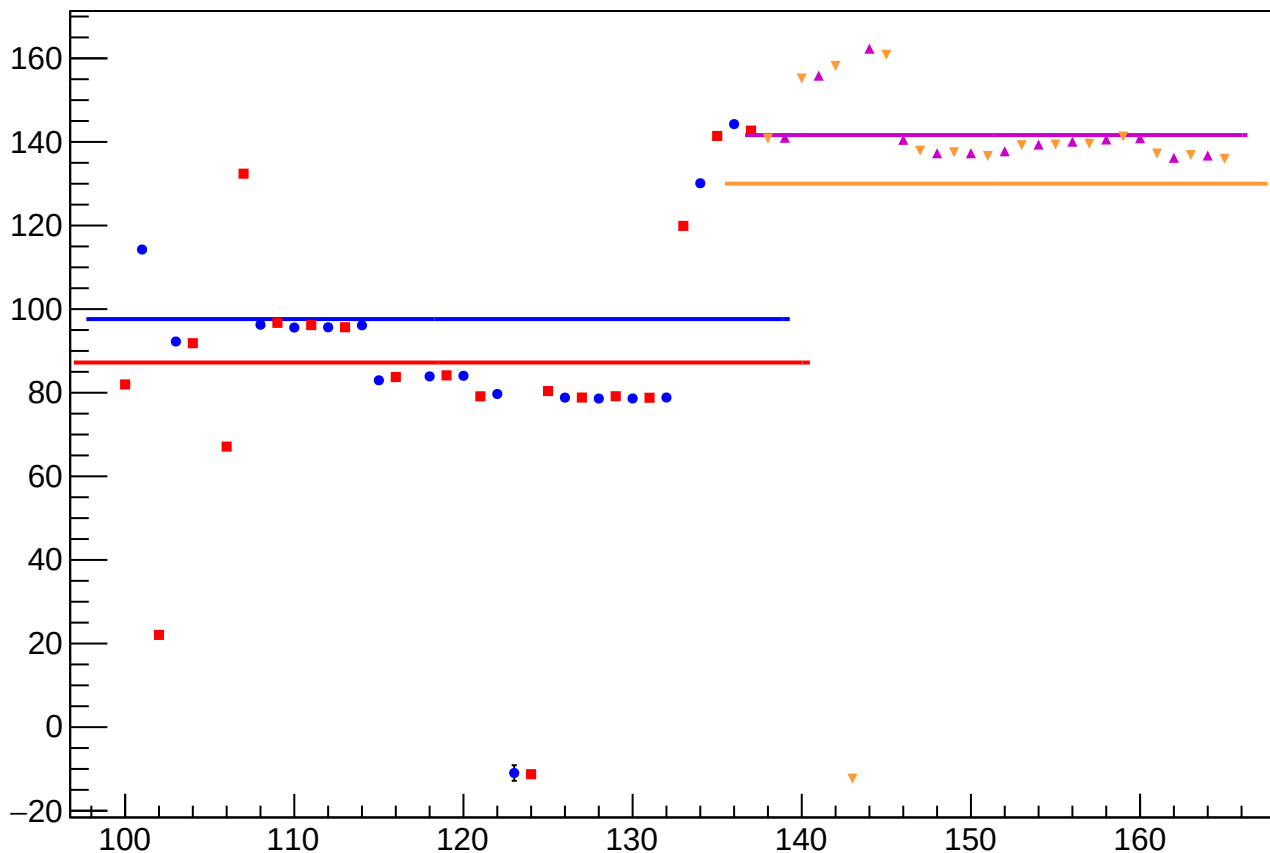
Left In: -80.484 ± 1.237 χ^2/NDF : 208.3/12

+ sign -77.124 ± 0.842 χ^2/NDF : 1406.0/31

All: -76.819 ± 0.603 χ^2/NDF : 2306.2/63

- sign -76.498 ± 0.864 χ^2/NDF : 899.9/31

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 130.015 $\pm$ 0.057 χ^2 /NDF: 550148.9/14

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

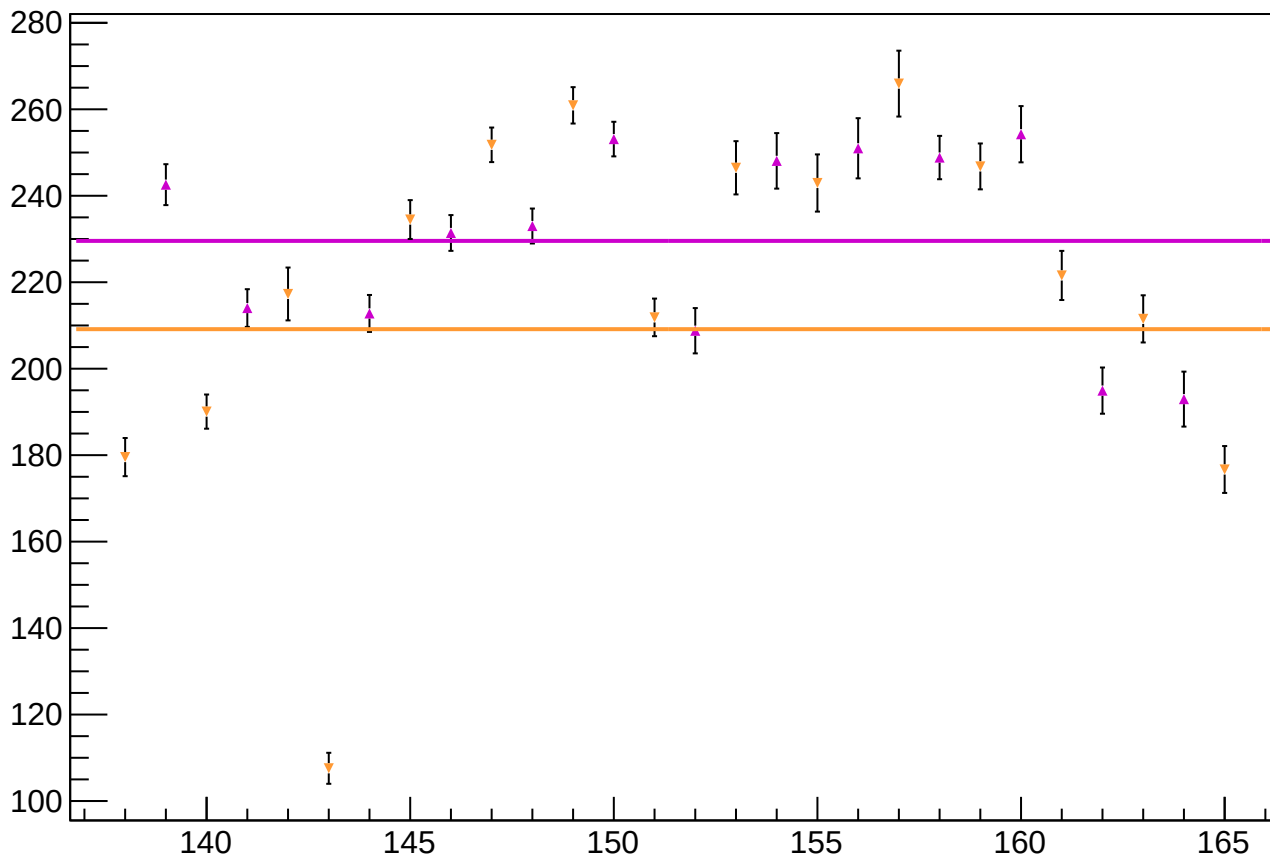
Left In: 141.644 $\pm$ 0.059 χ^2 /NDF: 14508.5/12

+ sign 118.007 $\pm$ 0.045 χ^2 /NDF: 765745.9/31

All: 118.128 $\pm$ 0.032 χ^2 /NDF: 1363336.3/63

- sign 118.248 $\pm$ 0.045 χ^2 /NDF: 597575.9/31

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: 209.142+/-1.248 χ^2/NDF :1379.6/14

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

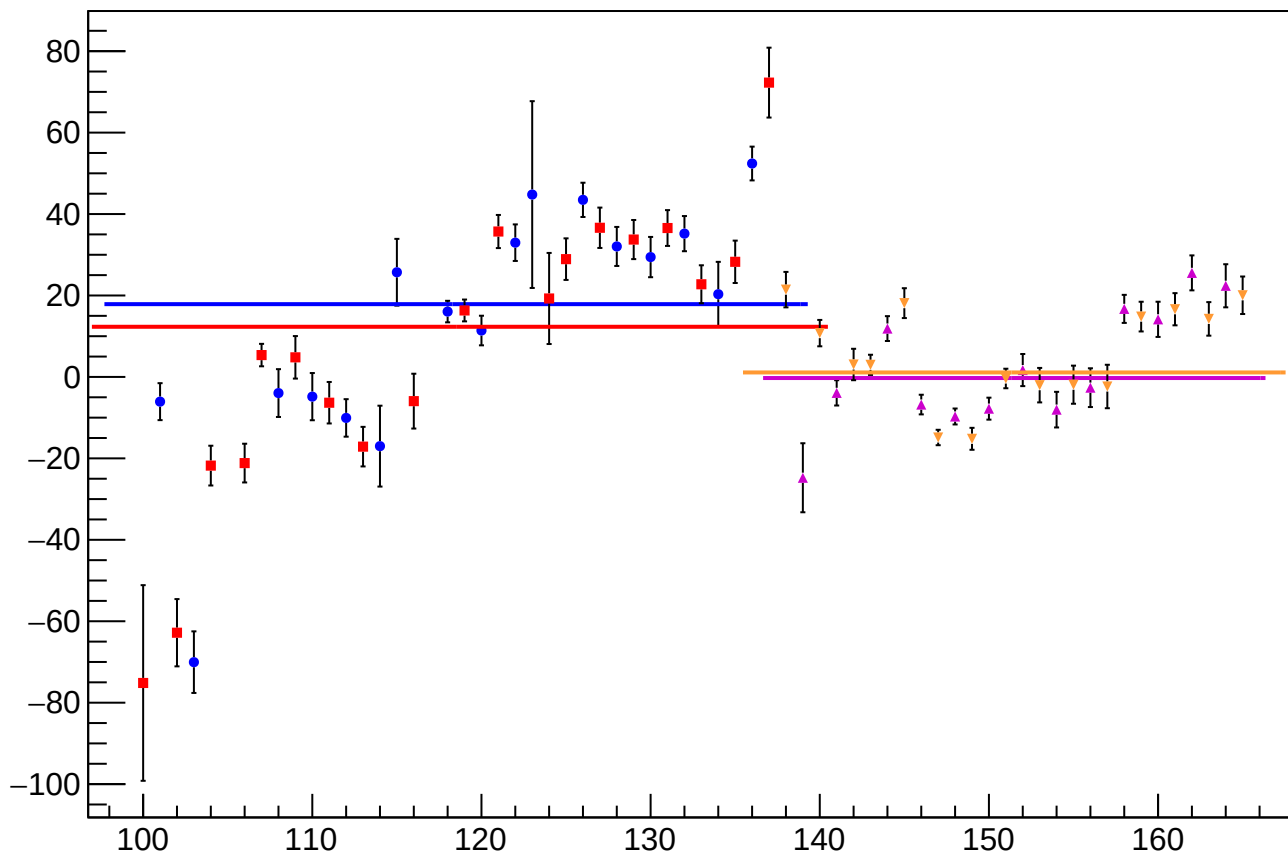
Left In: 229.561+/-1.363 χ^2/NDF :209.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 218.461+/-0.920 χ^2/NDF : 1710.7/27

- 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 ± 1.166 χ^2/NDF : 395.3/16

Left Out: 1.101 ± 0.838 χ^2/NDF : 219.3/14

Right Out: 12.317 ± 1.083 χ^2/NDF : 444.0/18

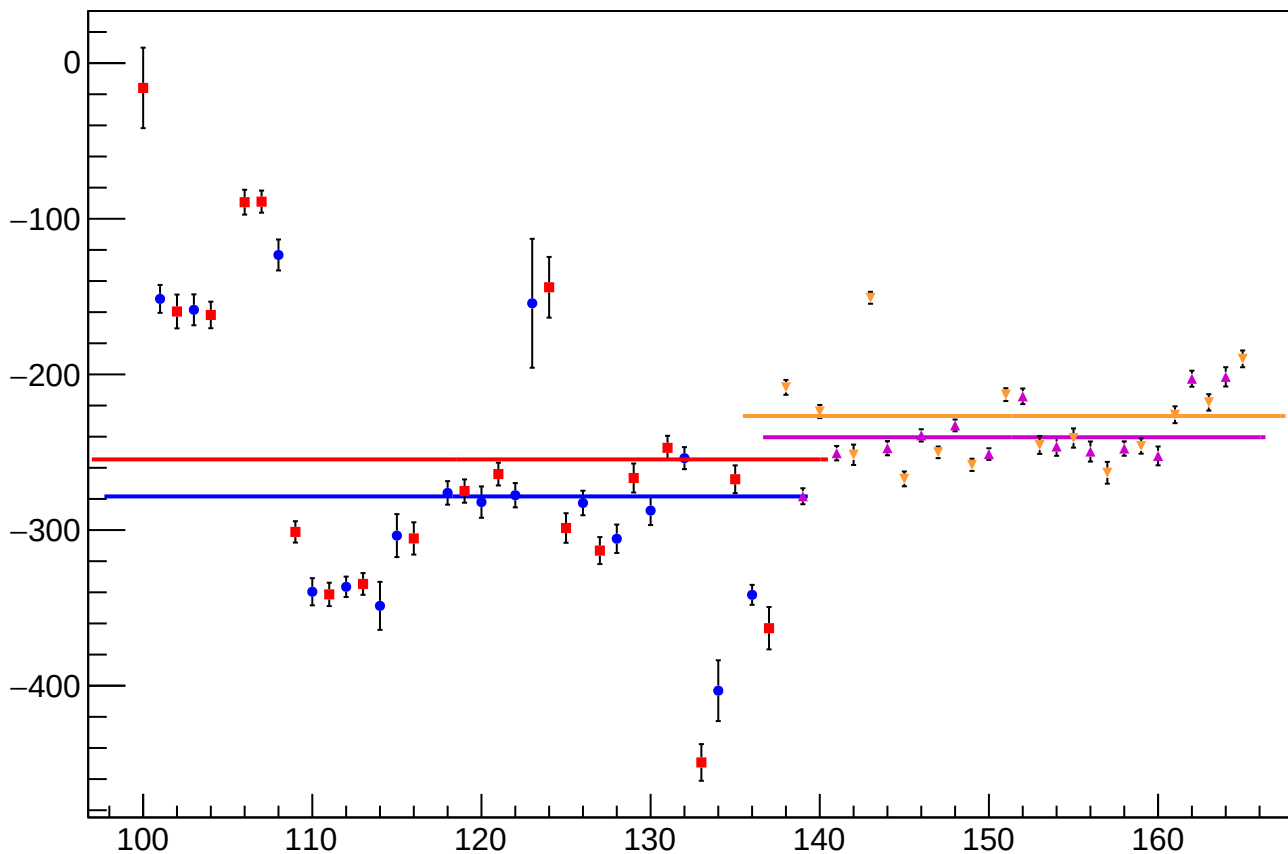
Left In: -0.273 ± 0.919 χ^2/NDF : 157.5/12

+ sign 6.811 ± 0.680 χ^2/NDF : 751.1/31

All: 5.931 ± 0.488 χ^2/NDF : 1434.6/63

- sign 4.997 ± 0.701 χ^2/NDF : 680.1/31

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: -226.700+/-1.237 χ^2/NDF : 716.8/14

Right Out: -254.603+/-2.020 χ^2/NDF : 2037.5/18

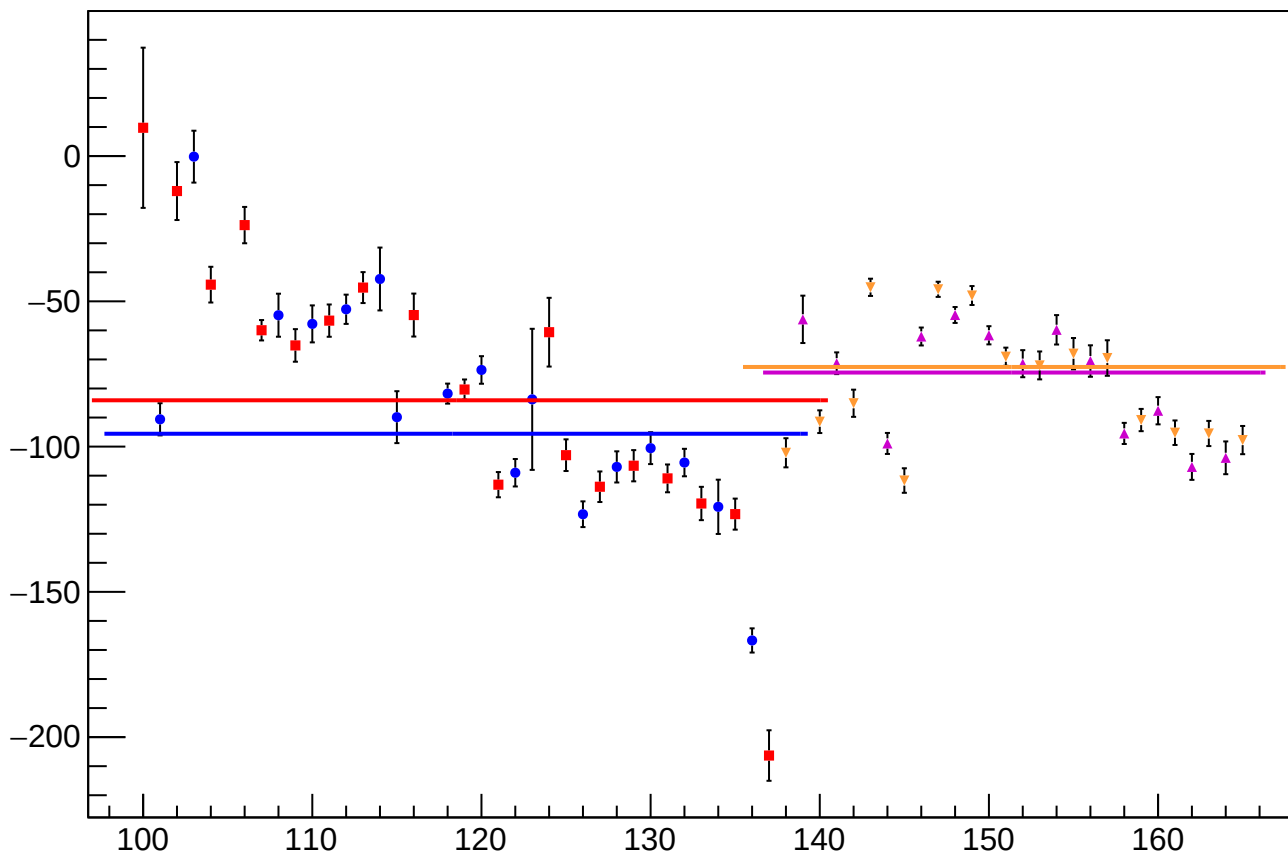
Left In: -240.360+/-1.328 χ^2/NDF : 203.9/12

+ sign -239.244+/-1.076 χ^2/NDF : 2051.1/31

All: -241.869+/-0.773 χ^2/NDF : 4339.5/63

- sign -244.658+/-1.110 χ^2/NDF : 2276.1/31

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: -72.592 ± 1.006 χ^2/NDF : 506.4/14

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

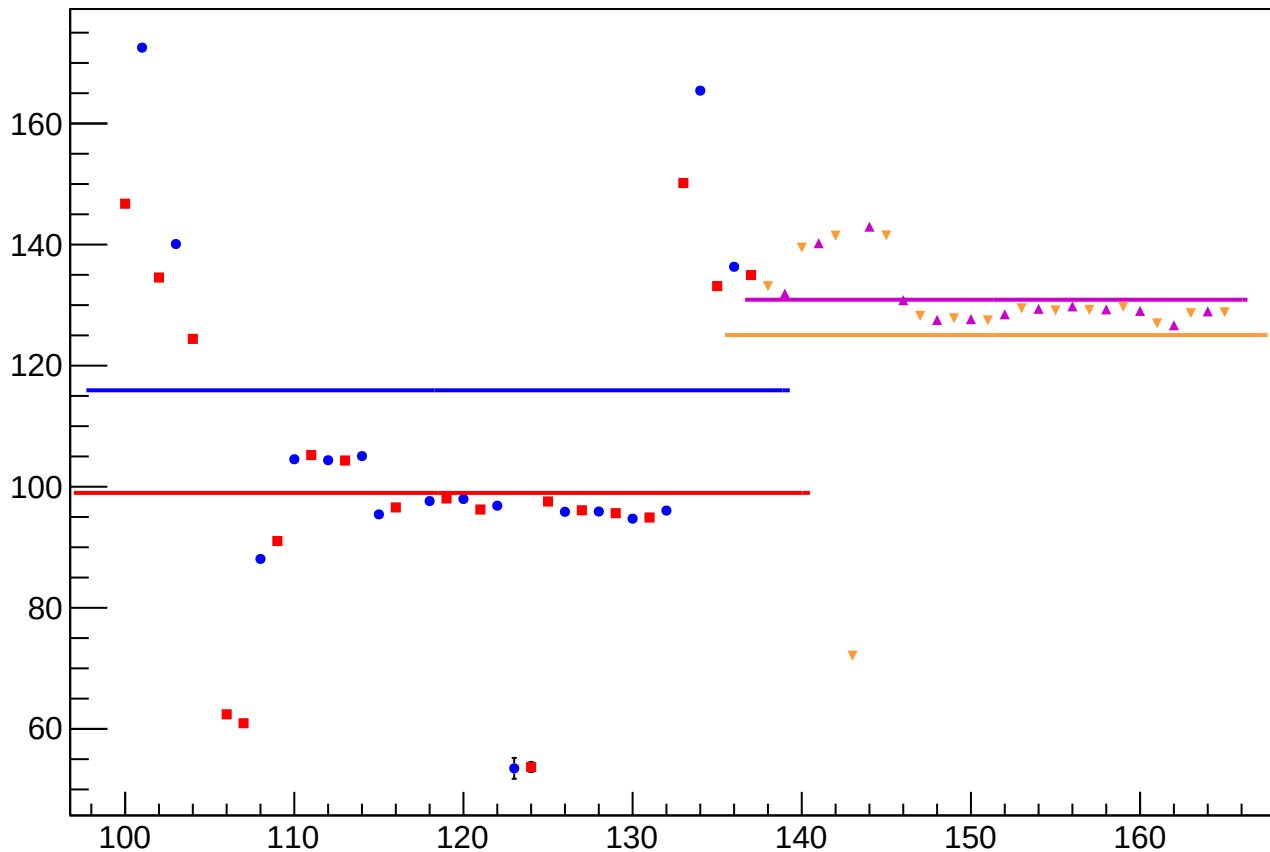
Left In: -74.513 ± 1.101 χ^2/NDF : 267.2/12

+ sign -80.870 ± 0.804 χ^2/NDF : 1365.7/31

All: -79.796 ± 0.577 χ^2/NDF : 2452.5/63

- sign -78.658 ± 0.828 χ^2/NDF : 1083.1/31

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: 125.057 $\pm$ 0.050 χ^2 /NDF: 142042.0/14

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

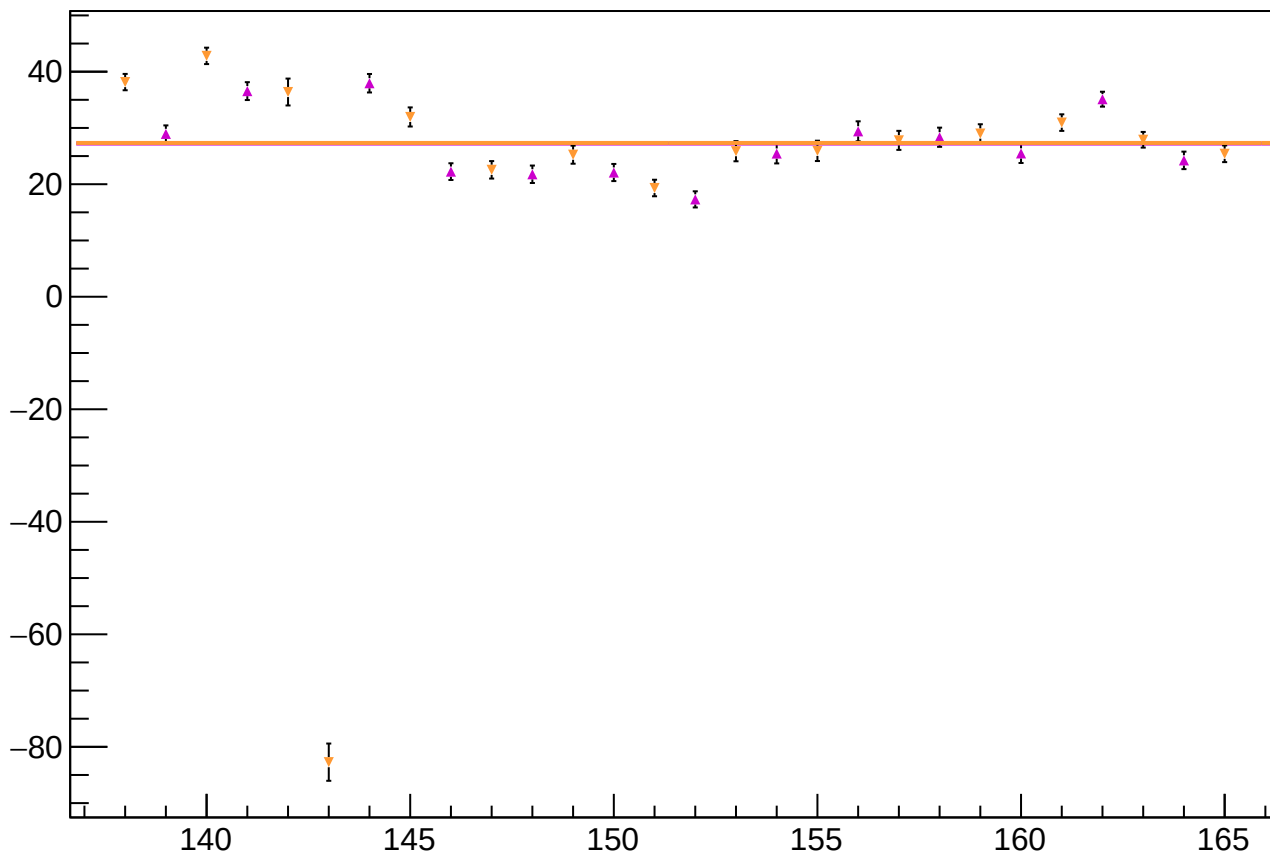
Left In: 130.892 $\pm$ 0.053 χ^2 /NDF: 7856.6/12

+ sign 122.437 $\pm$ 0.042 χ^2 /NDF: 257497.4/31

All: 120.696 $\pm$ 0.030 χ^2 /NDF: 577453.9/63

- sign 118.965 $\pm$ 0.042 χ^2 /NDF: 316533.4/31

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



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

Left Out: 27.335+/-0.423 χ^2/NDF :1346.1/14

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

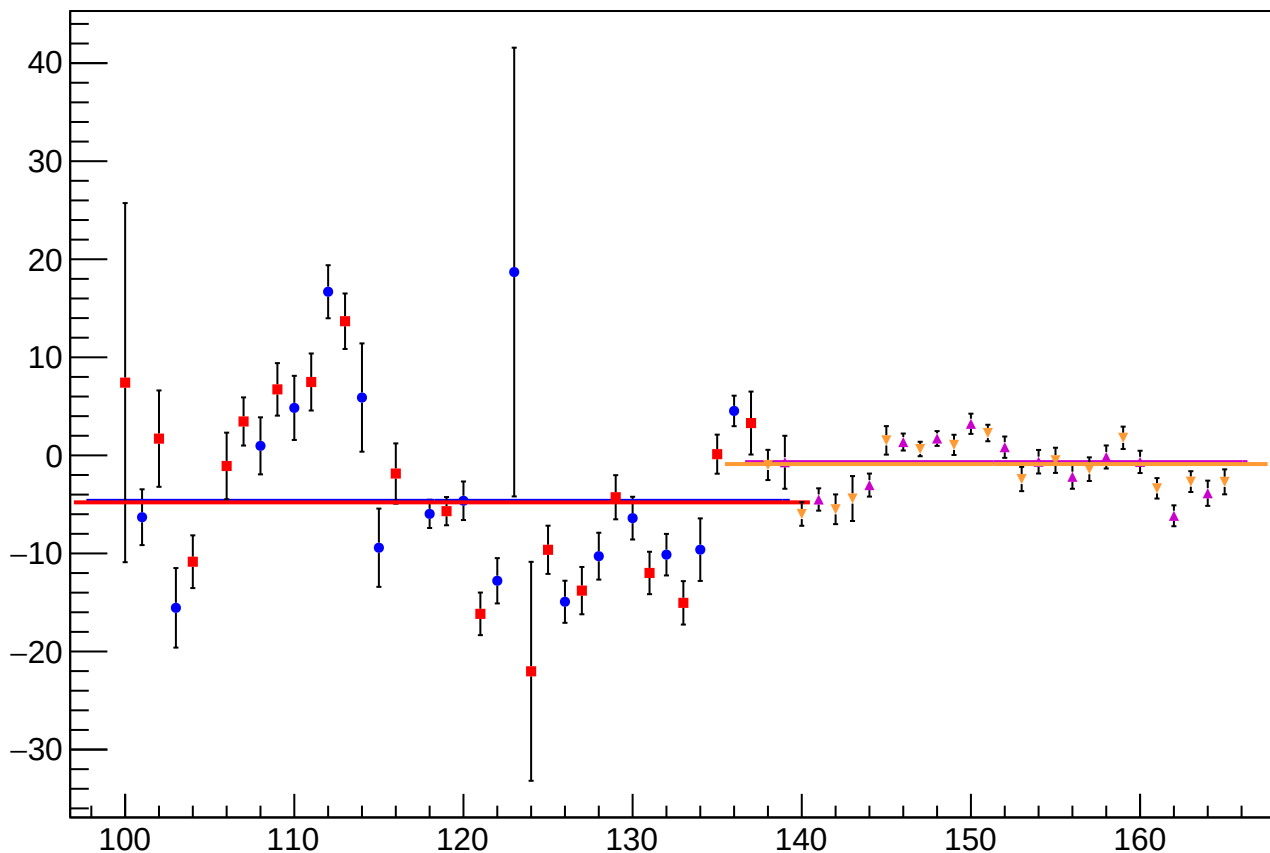
Left In: 27.229+/-0.434 χ^2/NDF :204.3/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 27.283+/-0.303 χ^2/NDF : 1550.4/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -0.885 ± 0.294 χ^2/NDF : 72.2/14

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

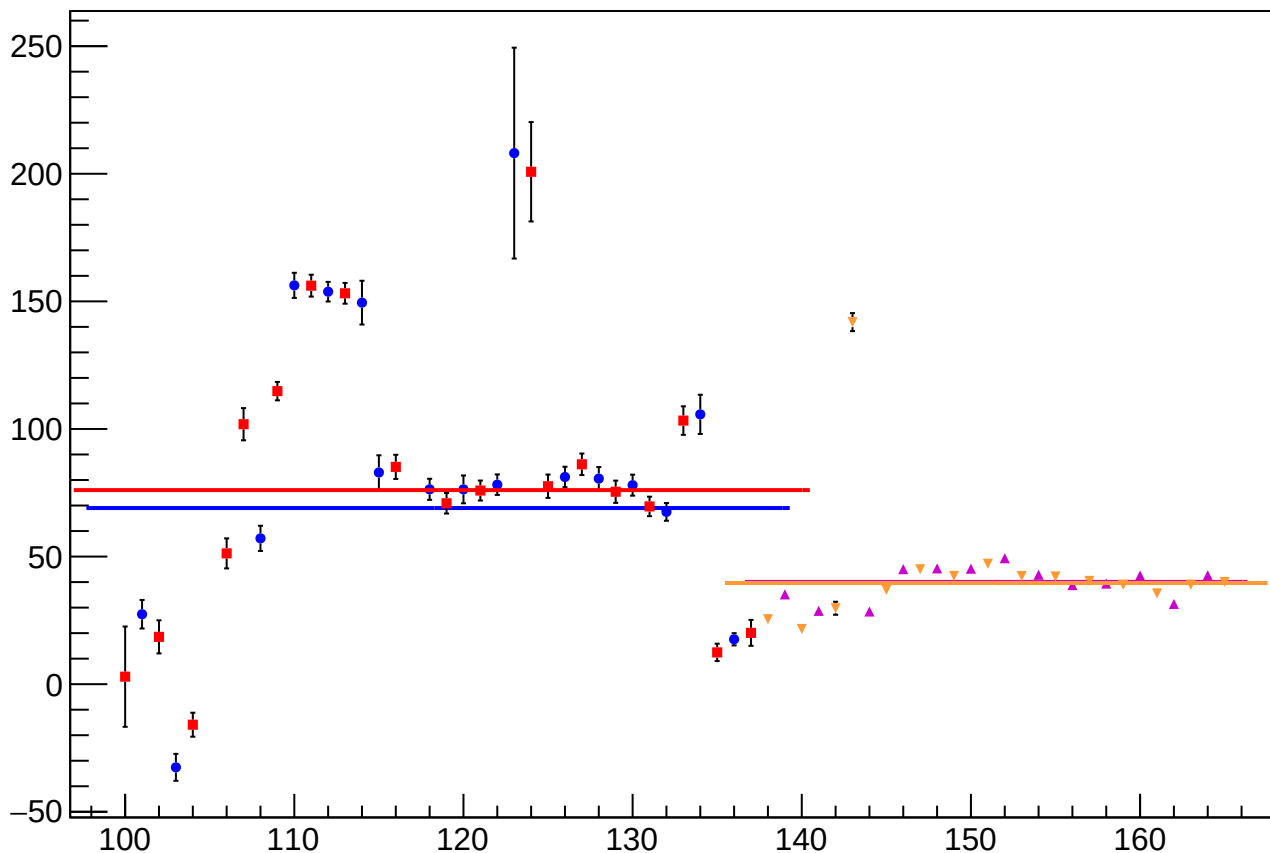
Left In: -0.689 ± 0.304 χ^2/NDF : 81.5/12

+ sign -1.637 ± 0.263 χ^2/NDF : 279.2/31

All: -1.599 ± 0.188 χ^2/NDF : 592.1/63

- sign -1.560 ± 0.269 χ^2/NDF : 312.8/31

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019 $\pm$ 1.083 χ^2/NDF : 1848.0/16

Left Out: 39.629 $\pm$ 0.413 χ^2/NDF :1129.5/14

Right Out: 76.041 $\pm$ 1.070 χ^2/NDF : 1881.9/18

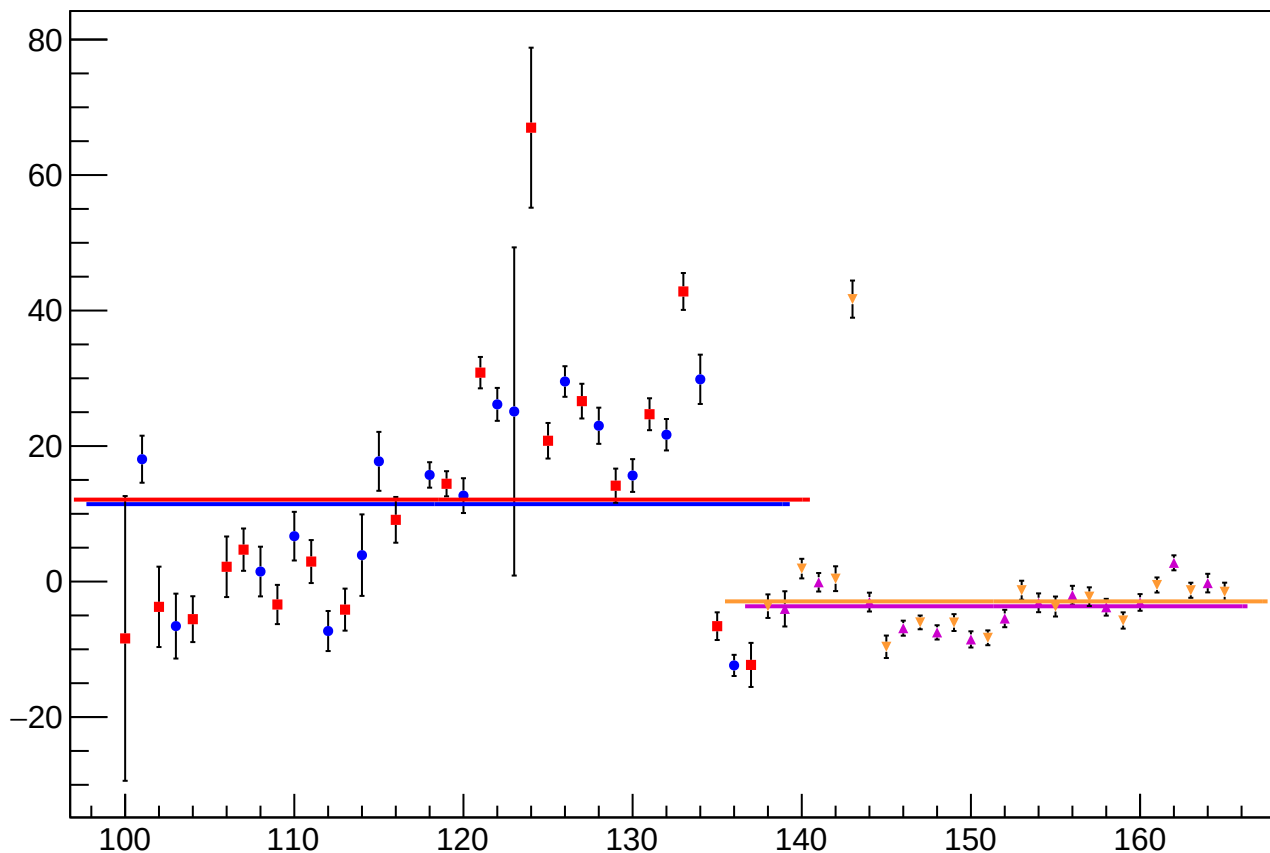
Left In: 40.079 $\pm$ 0.421 χ^2/NDF :236.9/12

+ sign 43.359 $\pm$ 0.386 χ^2/NDF : 3620.0/31

All: 44.120 $\pm$ 0.275 χ^2/NDF : 6725.0/63

- sign 44.905 $\pm$ 0.392 χ^2/NDF : 3097.1/31

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 ± 0.665 $\chi^2/\text{NDF}: 476.8/16$

Left Out: -2.925 ± 0.345 $\chi^2/\text{NDF}: 350.8/14$

Right Out: 12.095 ± 0.664 $\chi^2/\text{NDF}: 539.1/18$

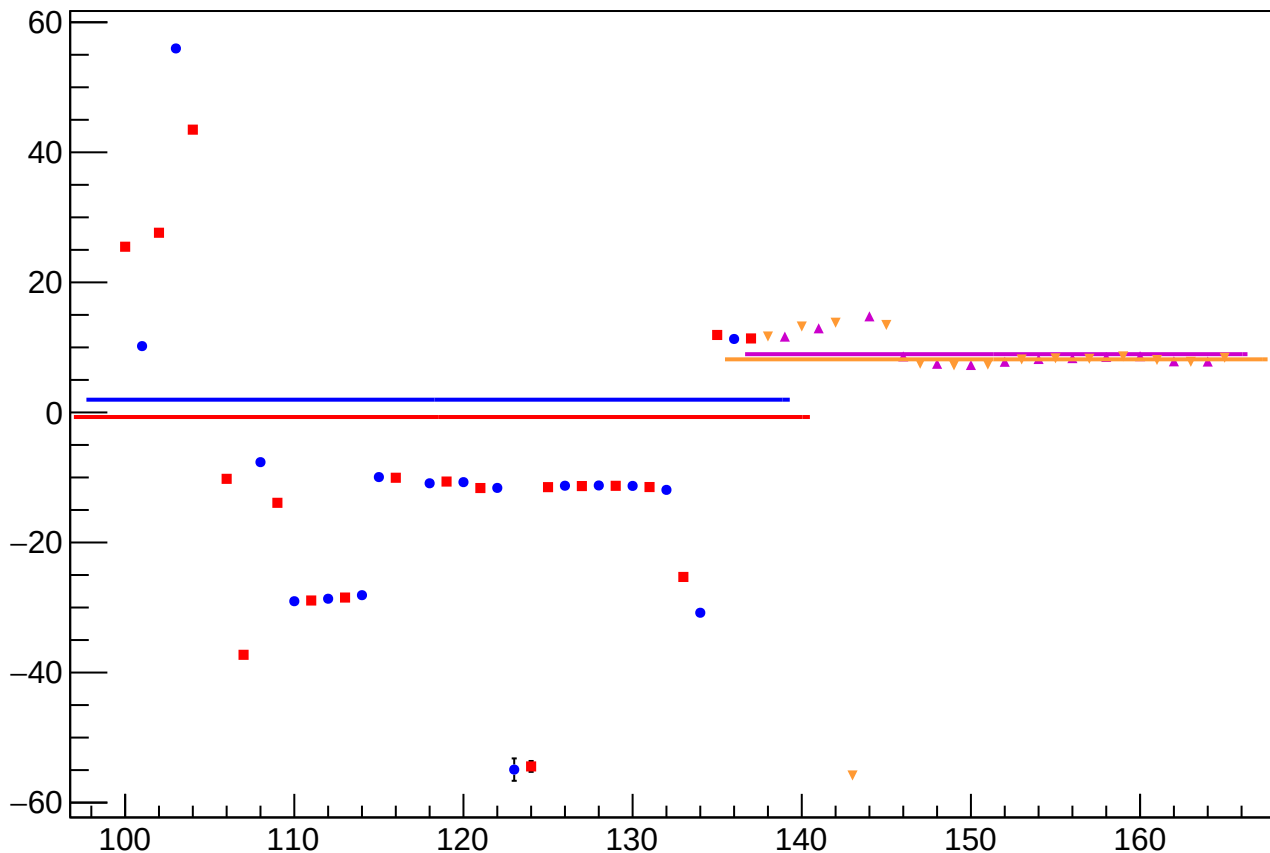
Left In: -3.649 ± 0.356 $\chi^2/\text{NDF}: 89.0/12$

+ sign 0.113 ± 0.306 $\chi^2/\text{NDF}: 1194.3/31$

All: -0.011 ± 0.219 $\chi^2/\text{NDF}: 2259.8/63$

- sign -0.141 ± 0.313 $\chi^2/\text{NDF}: 1065.1/31$

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 $\pm$ 0.037 χ^2/NDF : 358457.0/16

Left Out: 8.165 $\pm$ 0.016 χ^2/NDF : 222579.8/14

Right Out: -0.704 $\pm$ 0.037 χ^2/NDF : 361168.6/18

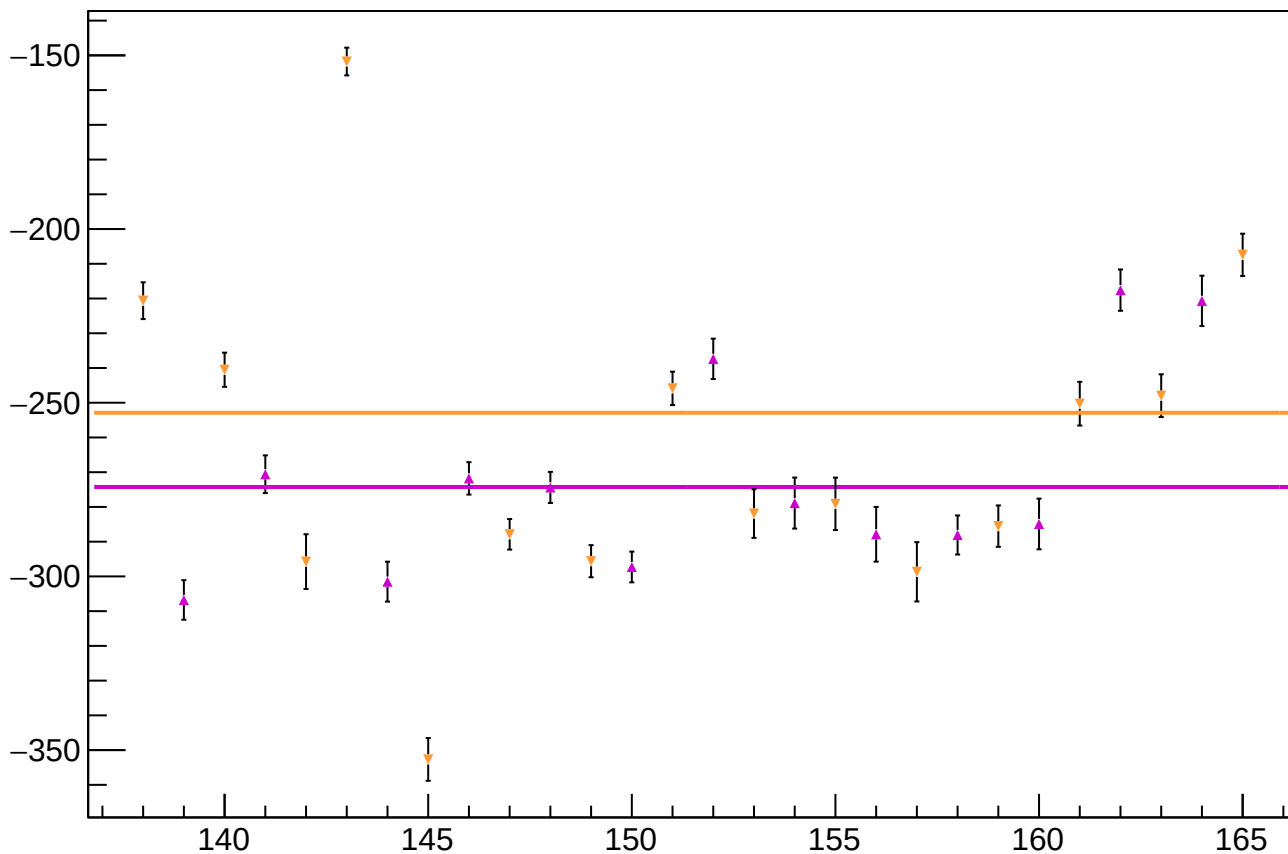
Left In: 8.959 $\pm$ 0.016 χ^2/NDF : 14336.3/12

+ sign 7.173 $\pm$ 0.015 χ^2/NDF : 604478.5/31

All: 7.269 $\pm$ 0.011 χ^2/NDF : 1036668.1/63

- sign 7.368 $\pm$ 0.015 χ^2/NDF : 432105.3/31

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: -252.882+/-1.440 χ^2/NDF :1273.5/14

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

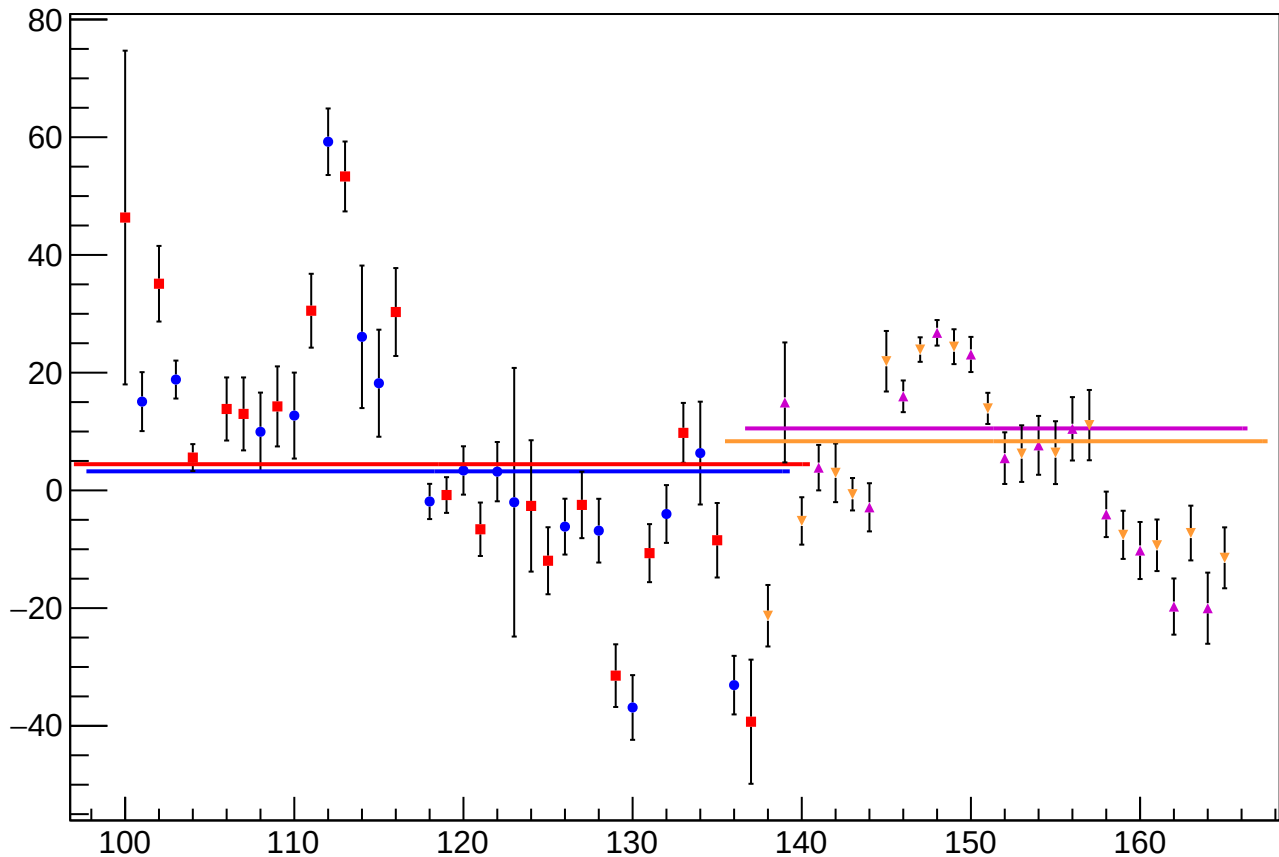
Left In: -274.255+/-1.574 χ^2/NDF :279.9/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -262.619+/-1.062 χ^2/NDF : 1653.9/27

- 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: 8.349 ± 0.954 χ^2/NDF : 210.0/14

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

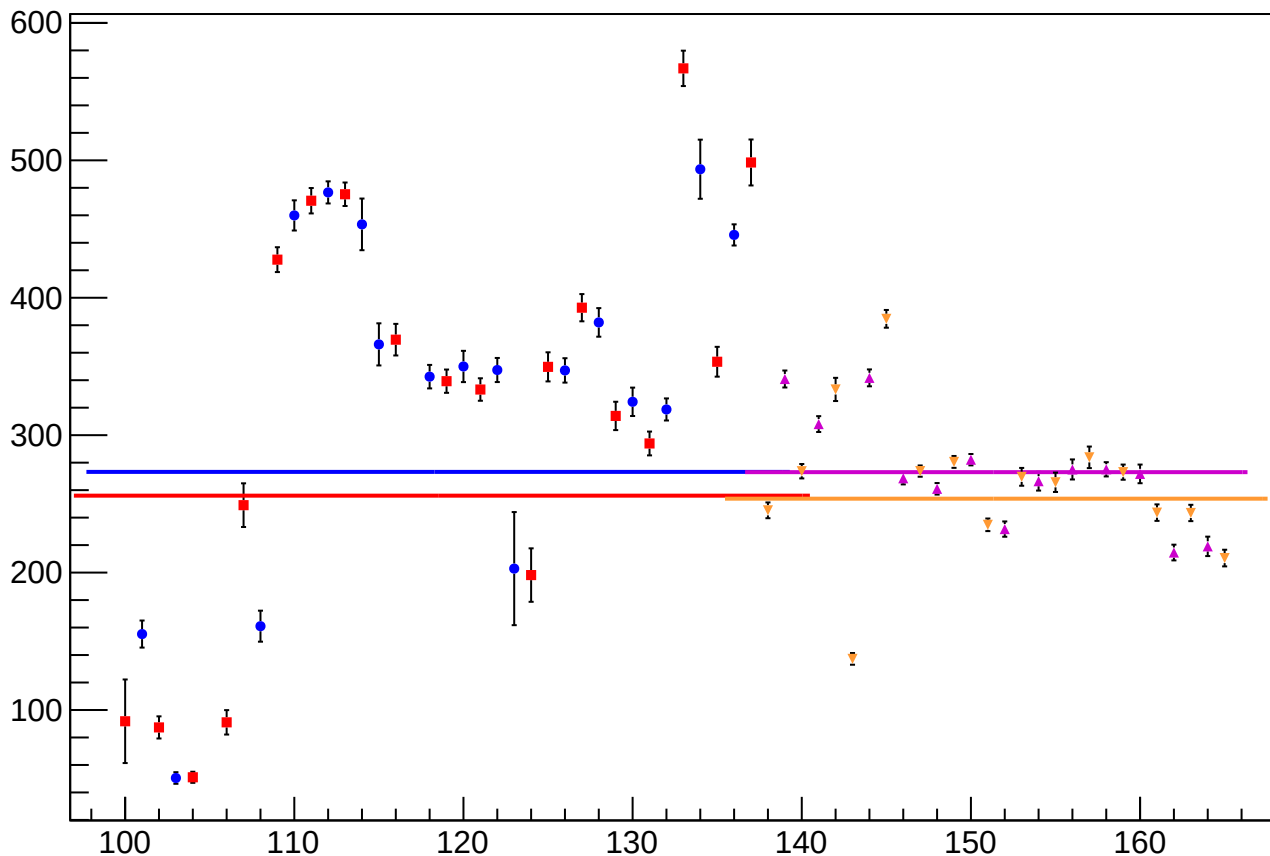
Left In: 10.528 ± 1.050 χ^2/NDF : 191.7/12

+ sign 6.454 ± 0.757 χ^2/NDF : 475.9/31

All: 7.100 ± 0.543 χ^2/NDF : 910.0/63

- sign 7.782 ± 0.778 χ^2/NDF : 432.6/31

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 253.781 $\pm$ 1.419 χ^2 /NDF:1437.9/14

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

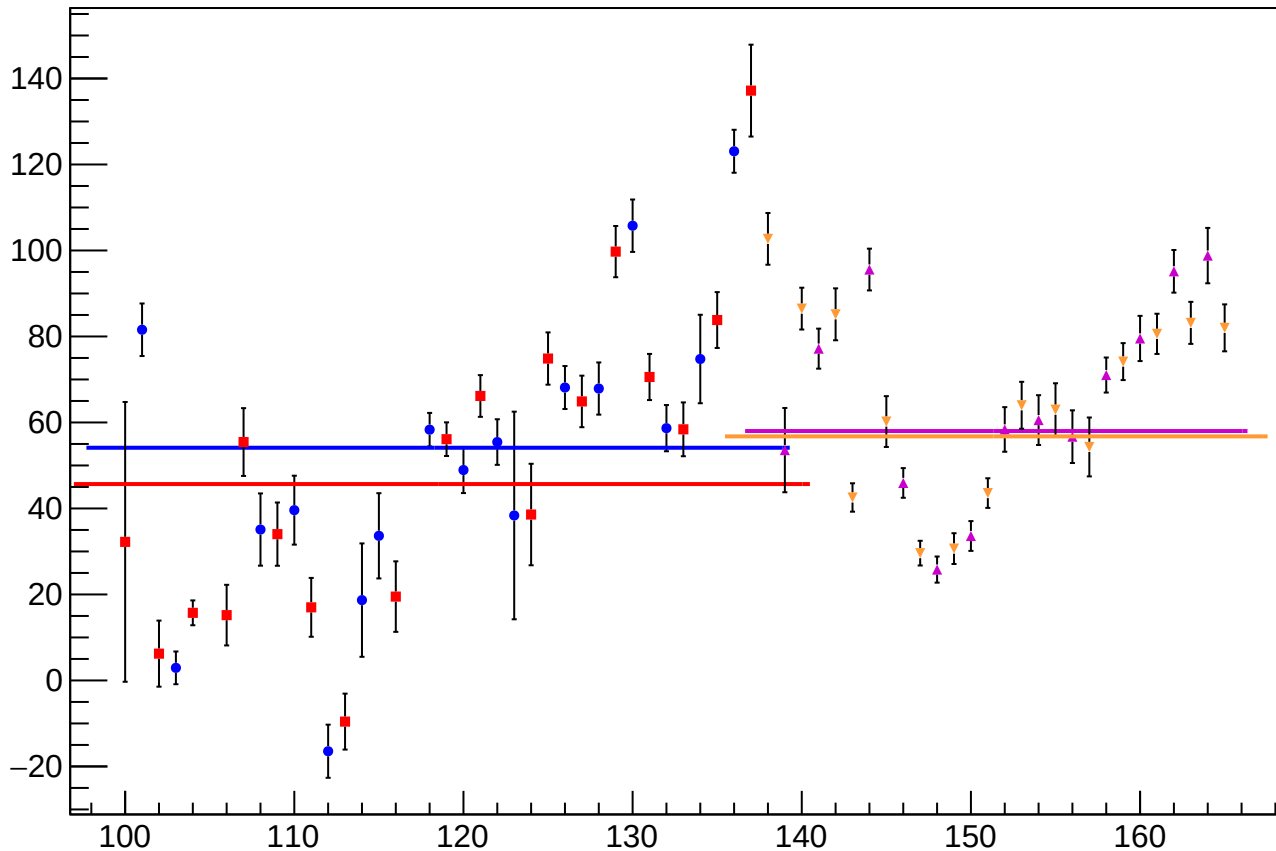
Left In: 273.088 $\pm$ 1.525 χ^2 /NDF:515.0/12

+ sign 259.490 $\pm$ 1.193 χ^2 /NDF: 6594.7/31

All: 263.183 $\pm$ 0.856 χ^2 /NDF: 13611.9/63

- sign 267.108 $\pm$ 1.230 χ^2 /NDF: 6997.4/31

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 56.761+/-1.149 χ^2/NDF : 389.7/14

Right Out: 45.675+/-1.357 χ^2/NDF : 531.0/18

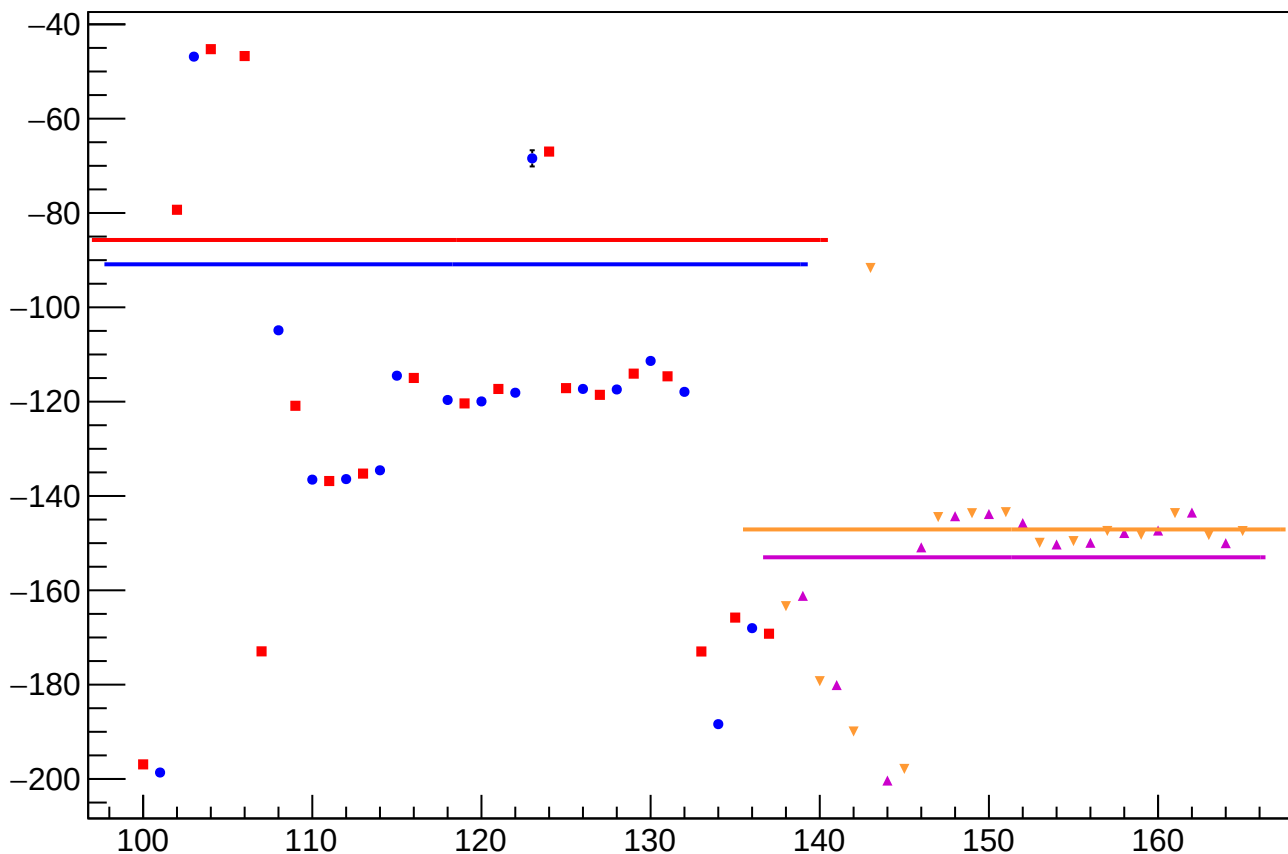
Left In: 58.008+/-1.260 χ^2/NDF : 375.0/12

+ sign 55.732+/-0.897 χ^2/NDF : 1025.7/31

All: 54.064+/-0.644 χ^2/NDF : 1983.2/63

- sign 52.297+/-0.923 χ^2/NDF : 950.4/31

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: -147.093+/-0.057 χ^2/NDF : 187074.7/14

Right Out: -85.722+/-0.065 χ^2/NDF : 494183.1/18

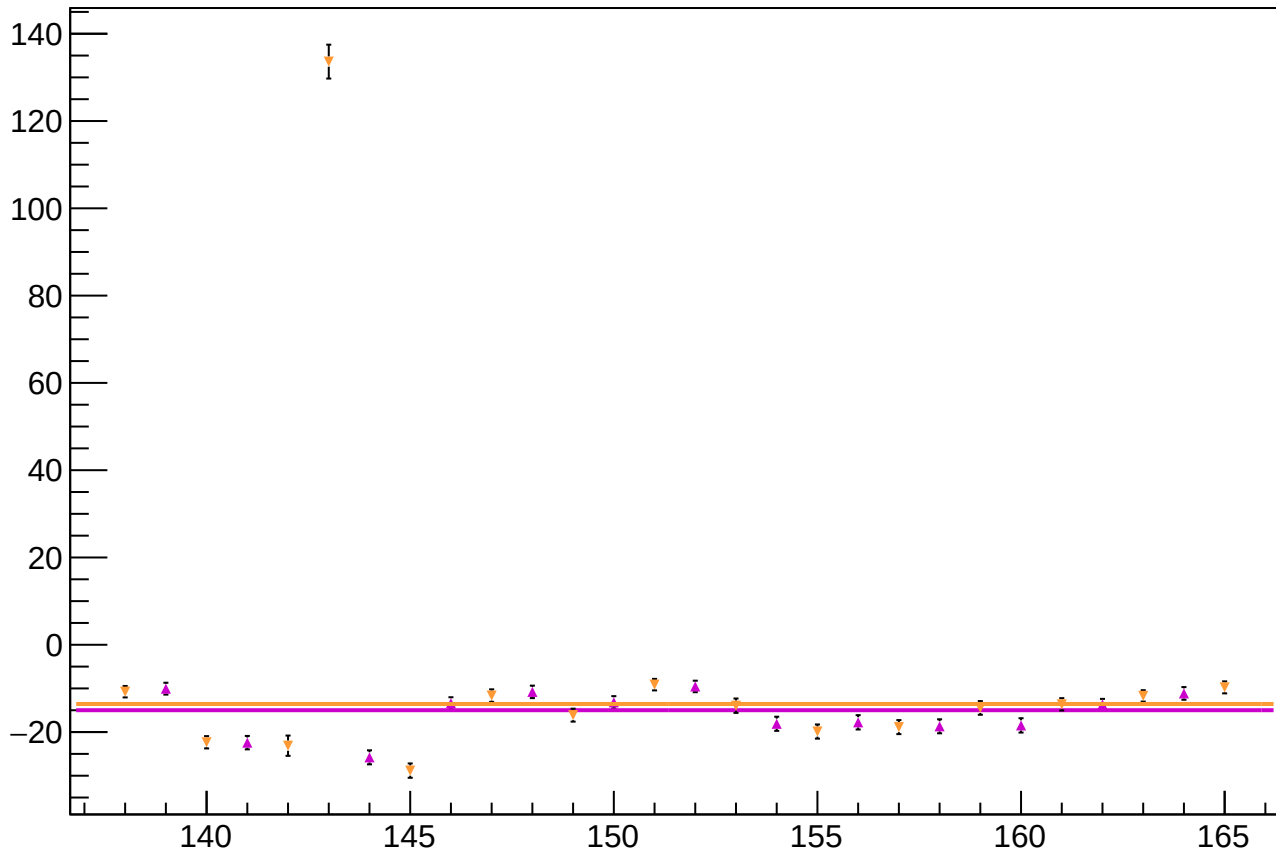
Left In: -153.000+/-0.061 χ^2/NDF : 55406.9/12

+ sign -123.731+/-0.044 χ^2/NDF : 1122752.3/31

All: -122.702+/-0.031 χ^2/NDF : 2244231.4/63

- sign -121.638+/-0.044 χ^2/NDF : 1120350.4/31

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: -13.563+/-0.396 χ^2/NDF : 1636.1/14

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

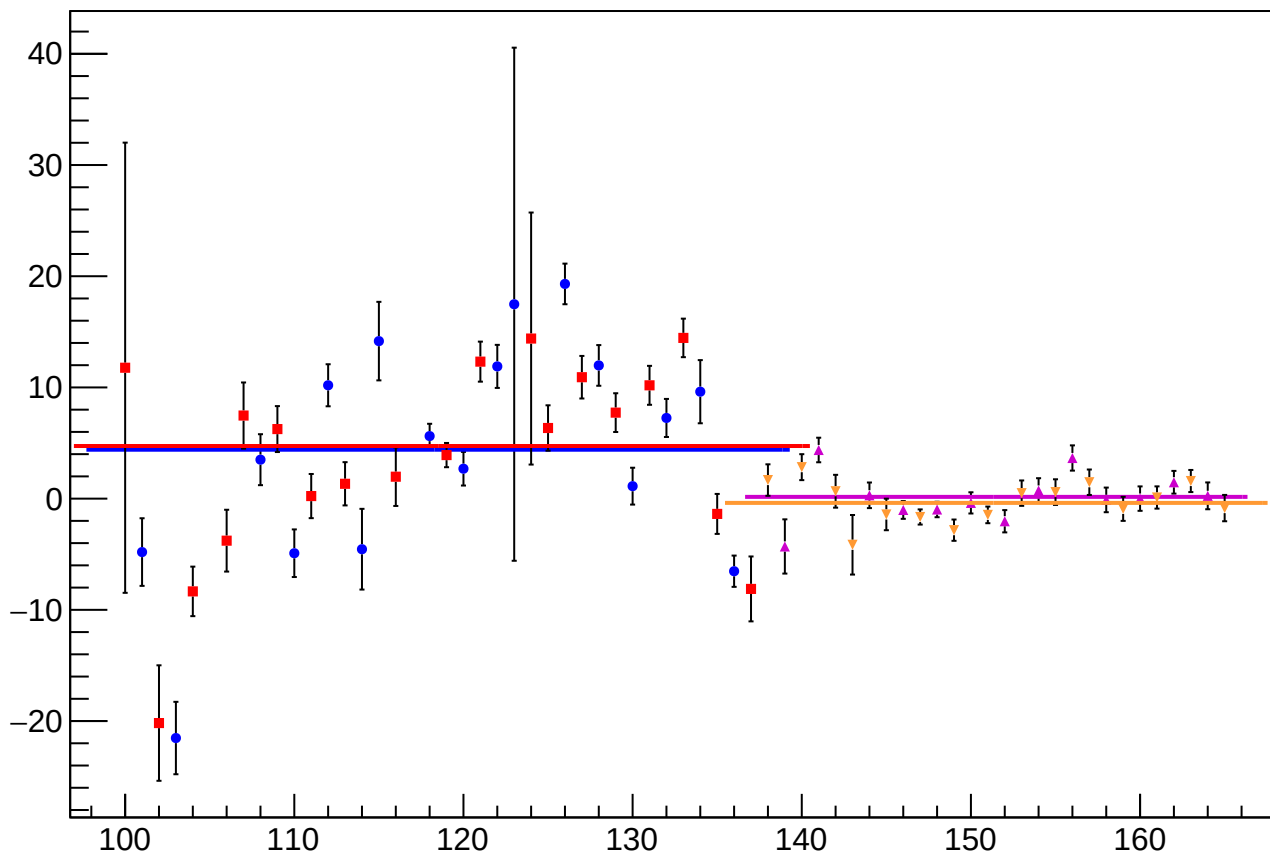
Left In: -14.992+/-0.407 χ^2/NDF : 134.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -14.259+/-0.284 χ^2/NDF : 1776.9/27

- 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: -0.383 ± 0.275 χ^2/NDF : 33.3/14

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

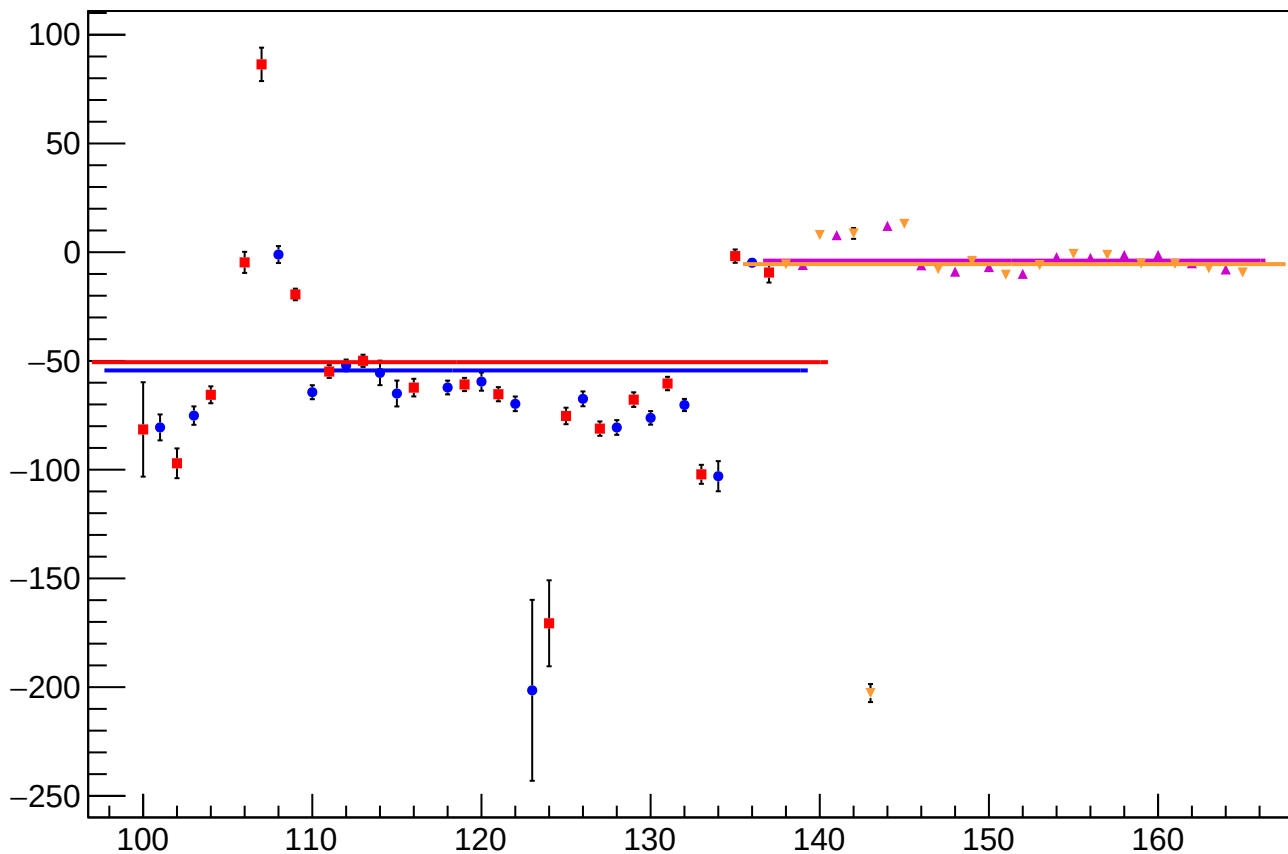
Left In: 0.158 ± 0.285 χ^2/NDF : 39.3/12

+ sign 0.833 ± 0.237 χ^2/NDF : 397.0/31

All: 1.096 ± 0.170 χ^2/NDF : 690.4/63

- sign 1.374 ± 0.244 χ^2/NDF : 290.8/31

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: -5.471+/-0.387 χ^2/NDF : 2542.1/14

Right Out: -50.554+/-0.858 χ^2/NDF : 1321.3/18

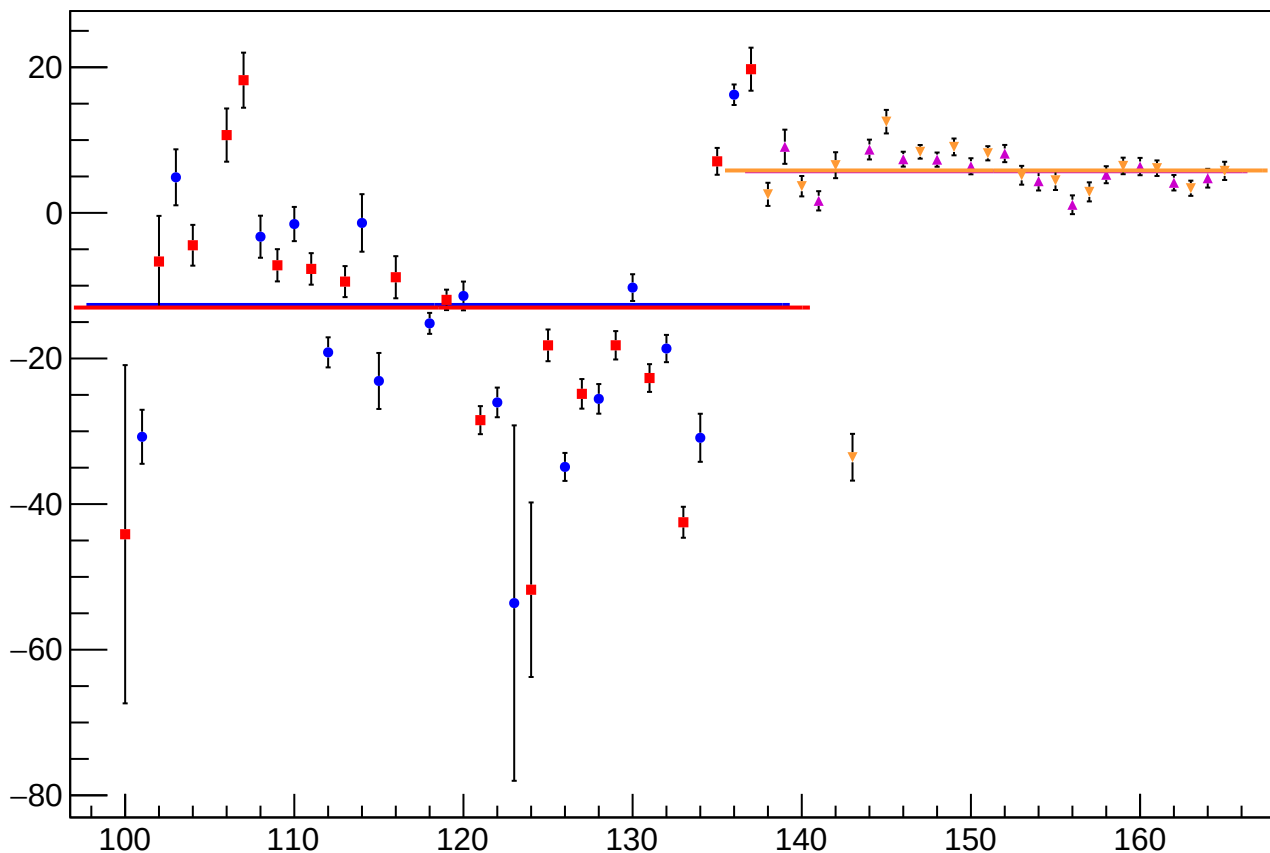
Left In: -3.863+/-0.394 χ^2/NDF : 201.3/12

+ sign -13.558+/-0.353 χ^2/NDF : 6202.3/31

All: -12.798+/-0.252 χ^2/NDF : 10181.4/63

- sign -12.015+/-0.358 χ^2/NDF : 3969.7/31

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 5.824 ± 0.323 χ^2/NDF : 207.8/14

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

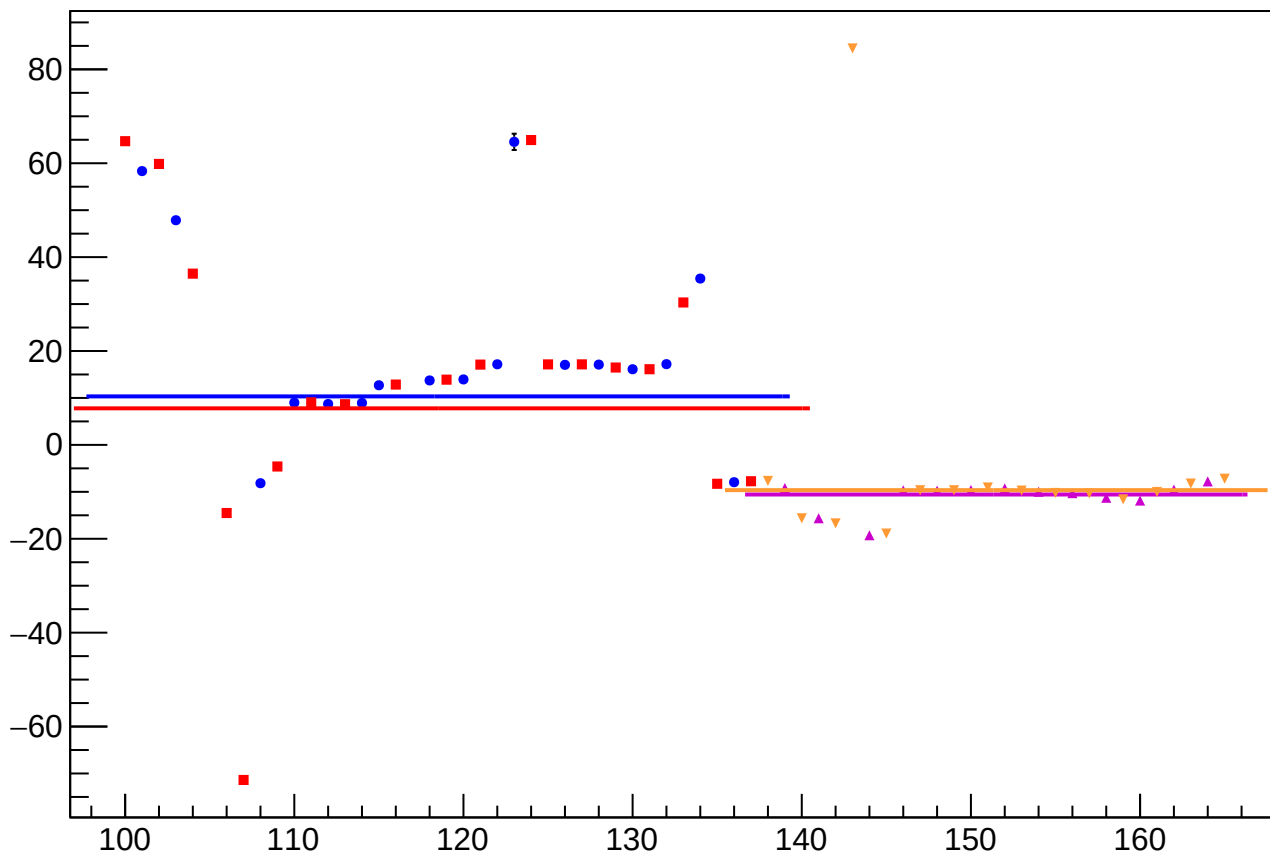
Left In: 5.717 ± 0.334 χ^2/NDF : 43.3/12

+ sign 0.912 ± 0.277 χ^2/NDF : 1867.2/31

All: 0.715 ± 0.198 χ^2/NDF : 3508.5/63

- sign 0.507 ± 0.284 χ^2/NDF : 1640.2/31

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330+/-0.031 χ^2/NDF : 380857.1/16

Left Out: -9.640+/-0.015 χ^2/NDF : 358868.8/14

Right Out: 7.786+/-0.031 χ^2/NDF : 544119.7/18

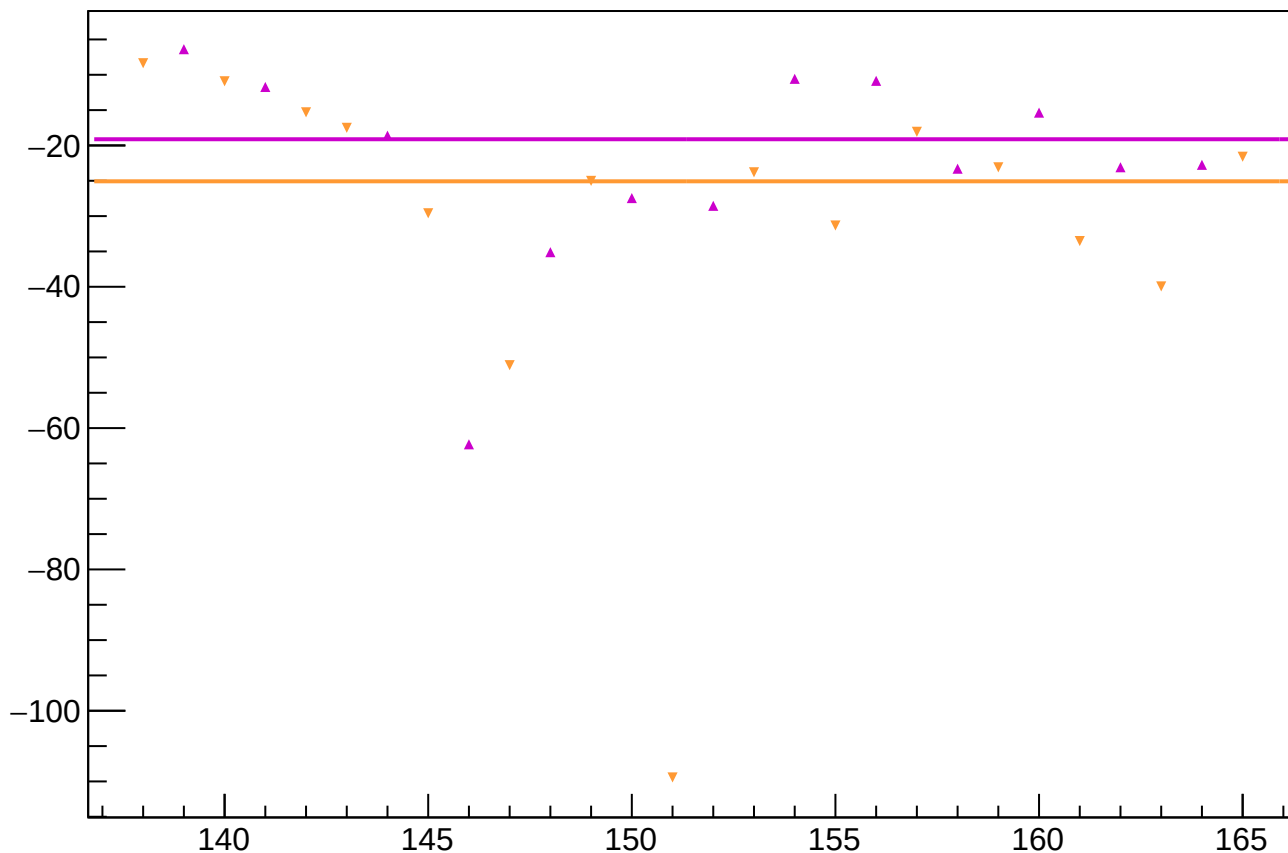
Left In: -10.568+/-0.015 χ^2/NDF : 24786.5/12

+ sign -5.723+/-0.014 χ^2/NDF : 1080394.7/31

All: -6.341+/-0.010 χ^2/NDF : 1930118.3/63

- sign -6.982+/-0.014 χ^2/NDF : 845502.5/31

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -25.075+/-0.065 χ^2/NDF : 56717.8/14

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

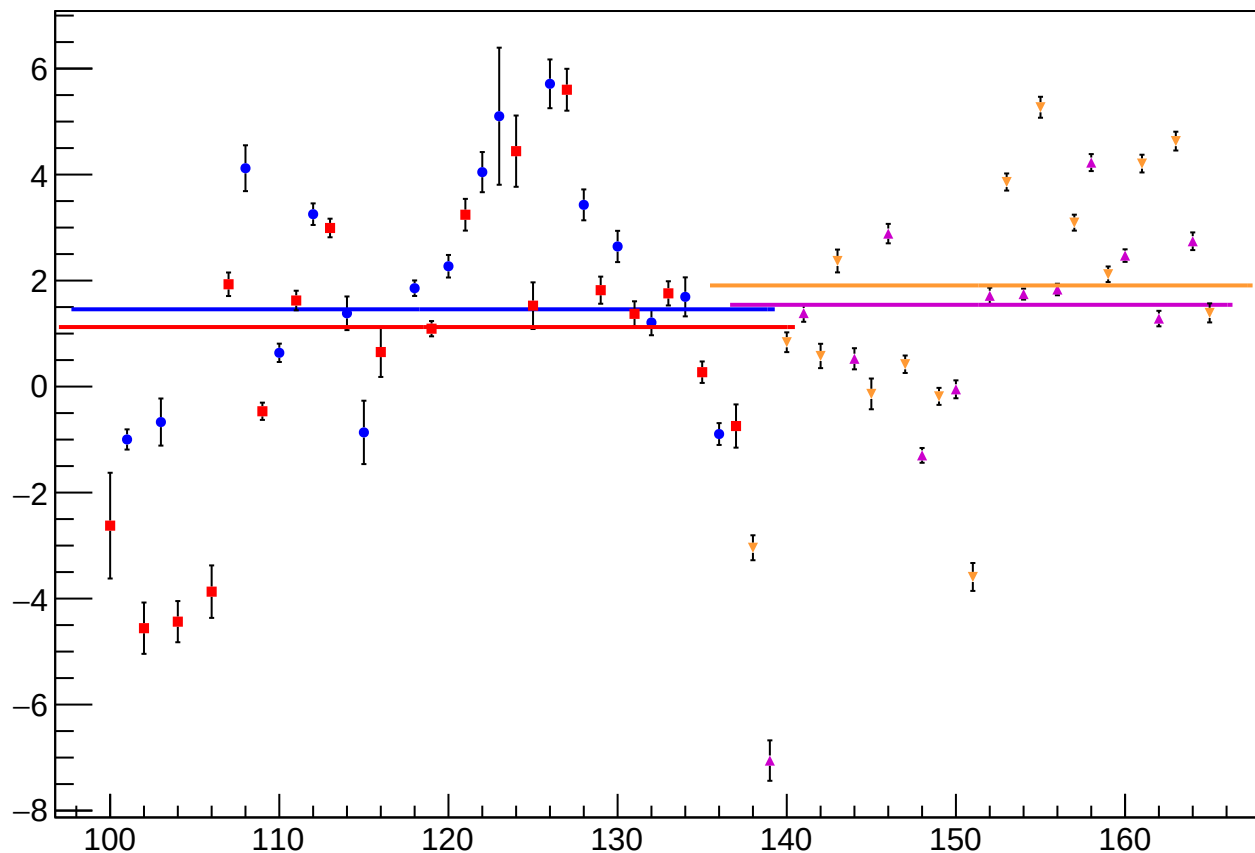
Left In: -19.123+/-0.058 χ^2/NDF : 37037.0/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.732+/-0.043 χ^2/NDF : 98413.7/27

- 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: 1.908 ± 0.048 χ^2/NDF : 2182.4/14

Right Out: 1.123 ± 0.058 χ^2/NDF : 947.4/18

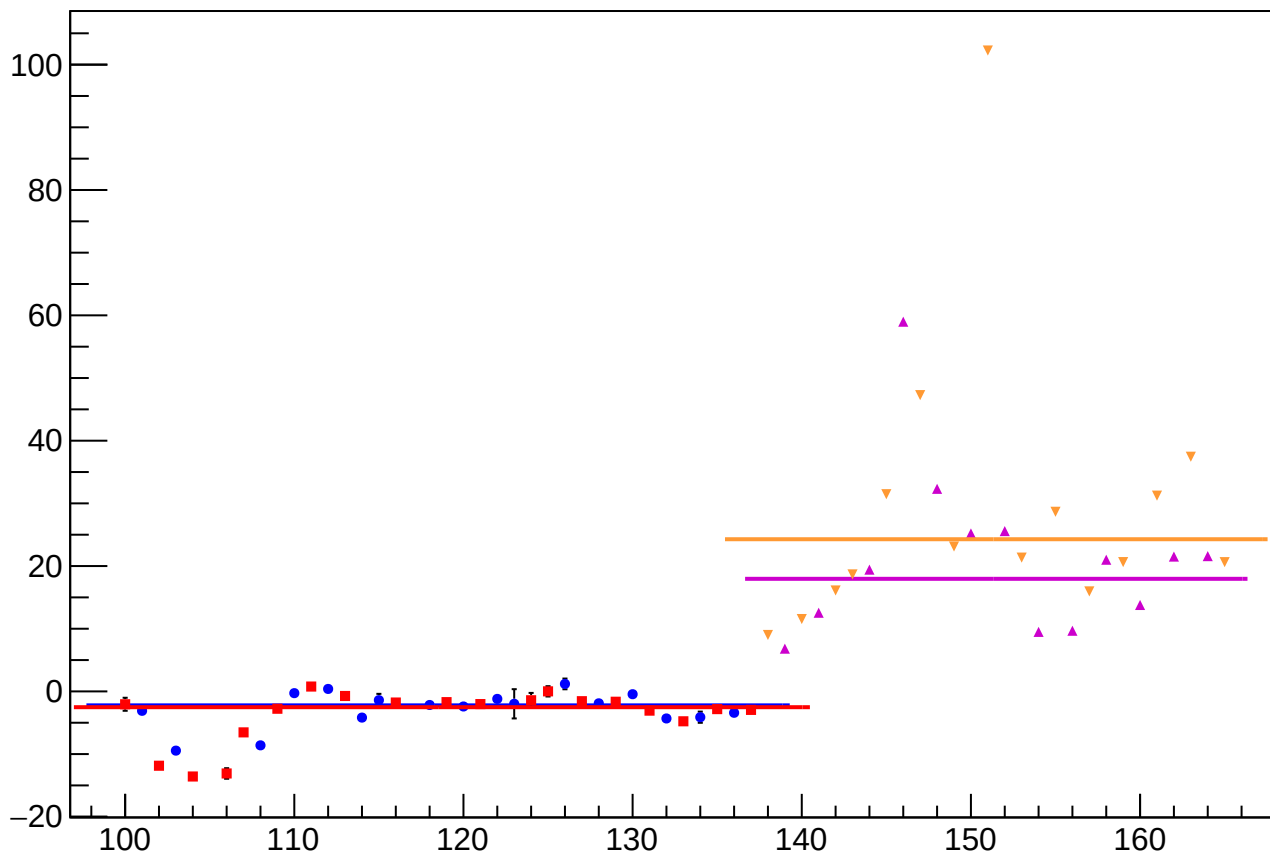
Left In: 1.543 ± 0.041 χ^2/NDF : 1499.5/12

+ sign 1.741 ± 0.038 χ^2/NDF : 2913.9/31

All: 1.552 ± 0.025 χ^2/NDF : 5440.5/63

- sign 1.404 ± 0.033 χ^2/NDF : 2481.8/31

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 24.278 ± 0.064 χ^2/NDF : 50830.3/14

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

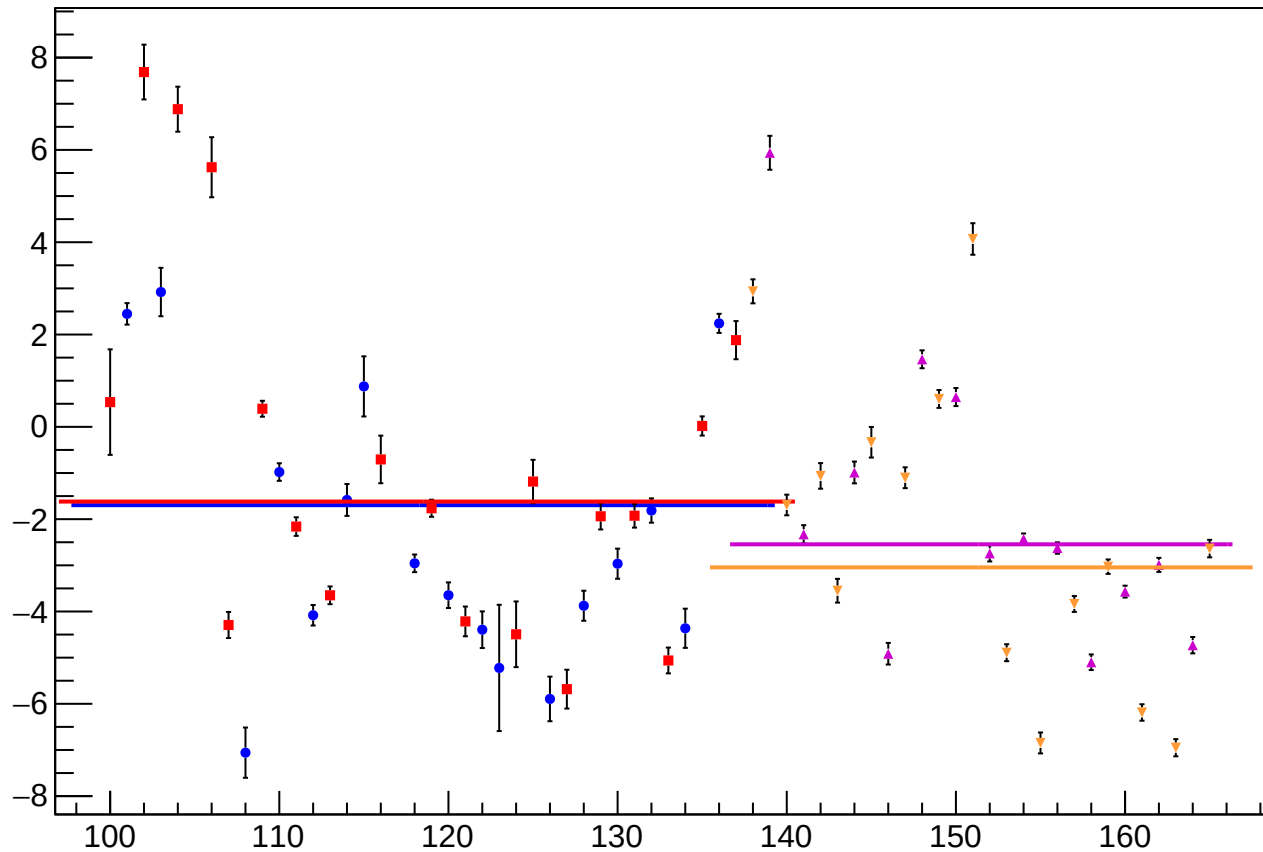
Left In: 17.962 ± 0.055 χ^2/NDF : 35118.3/12

+ sign 17.700 ± 0.055 χ^2/NDF : 93957.9/31

All: 15.075 ± 0.036 χ^2/NDF : 166543.5/63

- sign 13.079 ± 0.048 χ^2/NDF : 68636.1/31

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -3.045 ± 0.054 χ^2/NDF : 2711.3/14

Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18

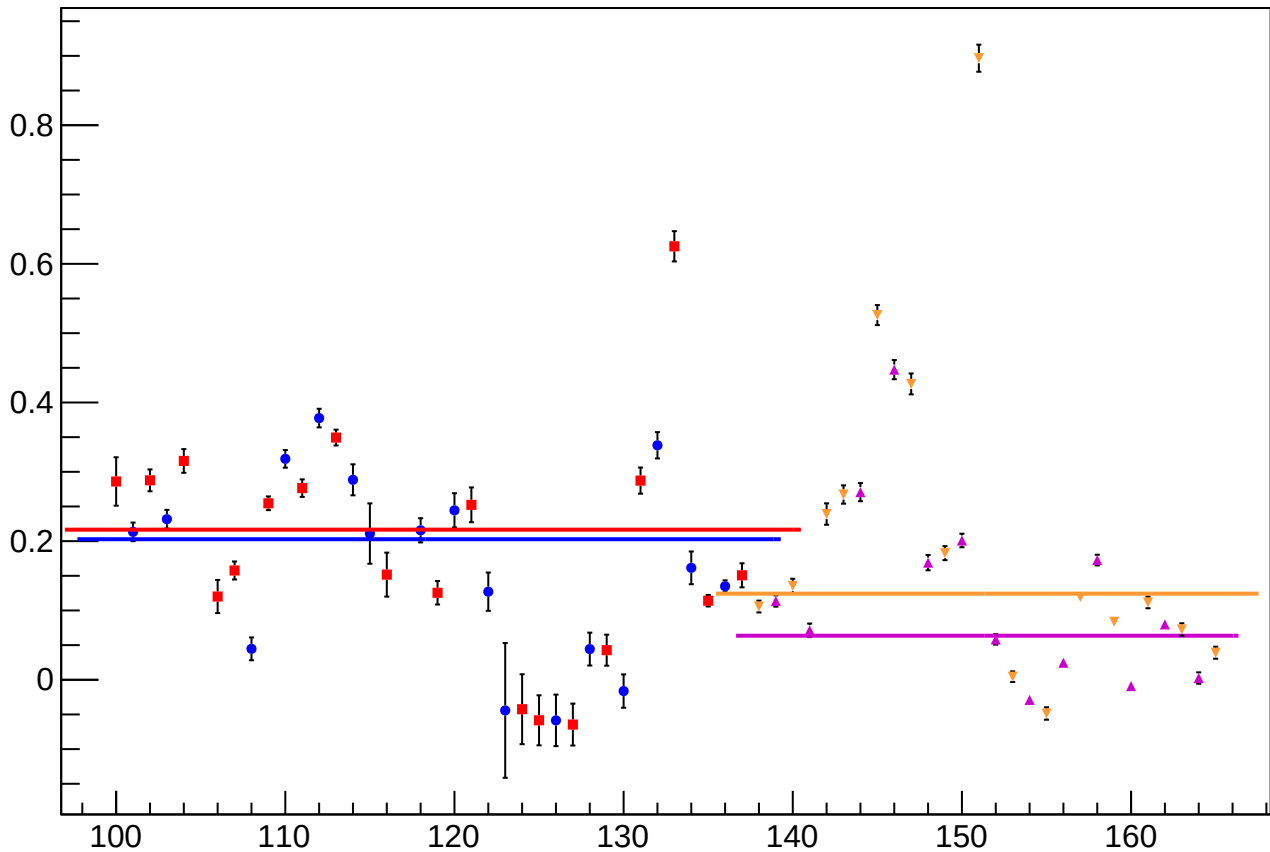
Left In: -2.545 ± 0.047 χ^2/NDF : 1827.7/12

+ sign -2.548 ± 0.043 χ^2/NDF : 4257.5/31

All: -2.371 ± 0.029 χ^2/NDF : 7736.5/63

- sign -2.234 ± 0.038 χ^2/NDF : 3449.2/31

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 676.5/16

Left Out: 0.124 $\pm$ 0.002 χ^2 /NDF:3731.7/14

Right Out: 0.217 $\pm$ 0.004 χ^2 /NDF: 1064.4/18

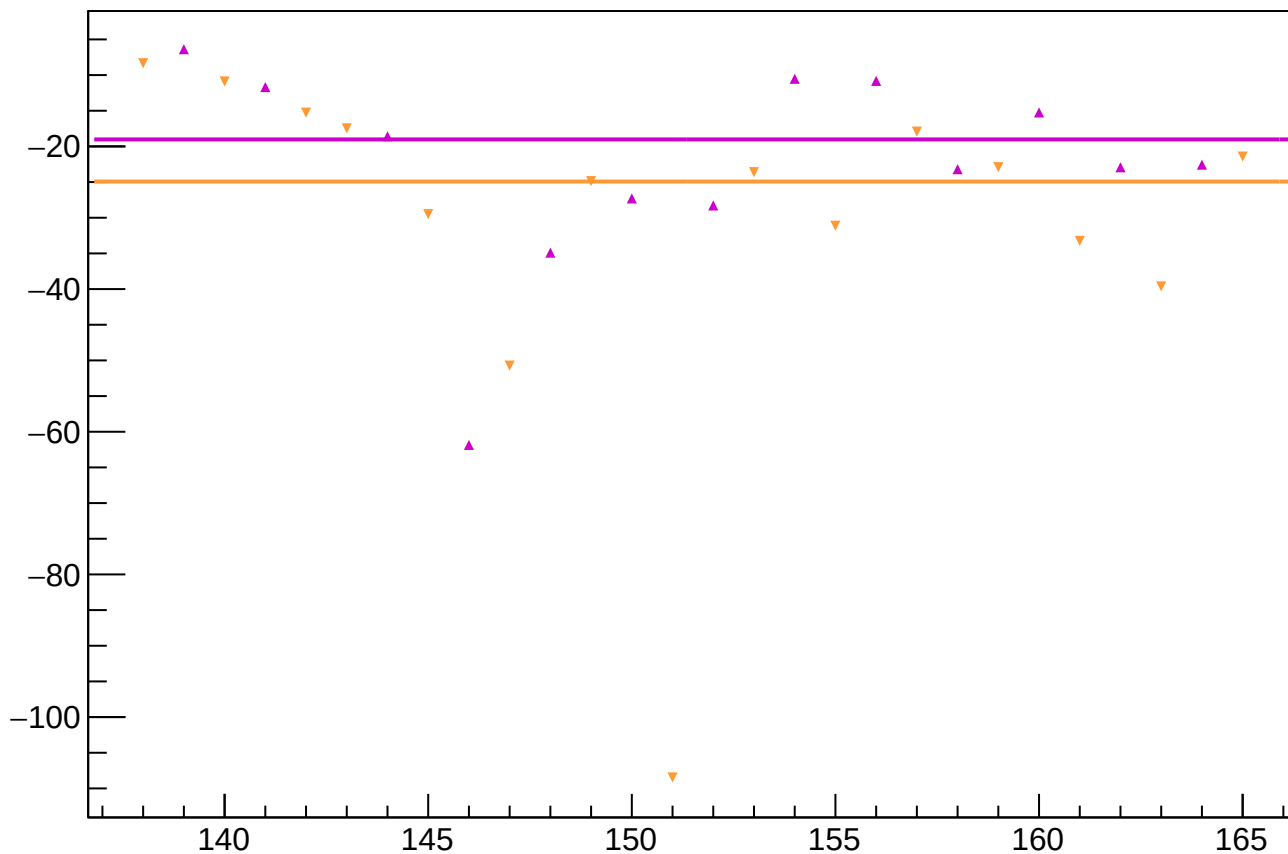
Left In: 0.064 $\pm$ 0.002 χ^2 /NDF:2173.6/12

+ sign 0.145 $\pm$ 0.002 χ^2 /NDF: 4673.3/31

All: 0.118 $\pm$ 0.001 χ^2 /NDF: 9484.1/63

- sign 0.100 $\pm$ 0.002 χ^2 /NDF: 4546.9/31

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -24.924 +/- 0.065 χ^2/NDF : 56532.5/14

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

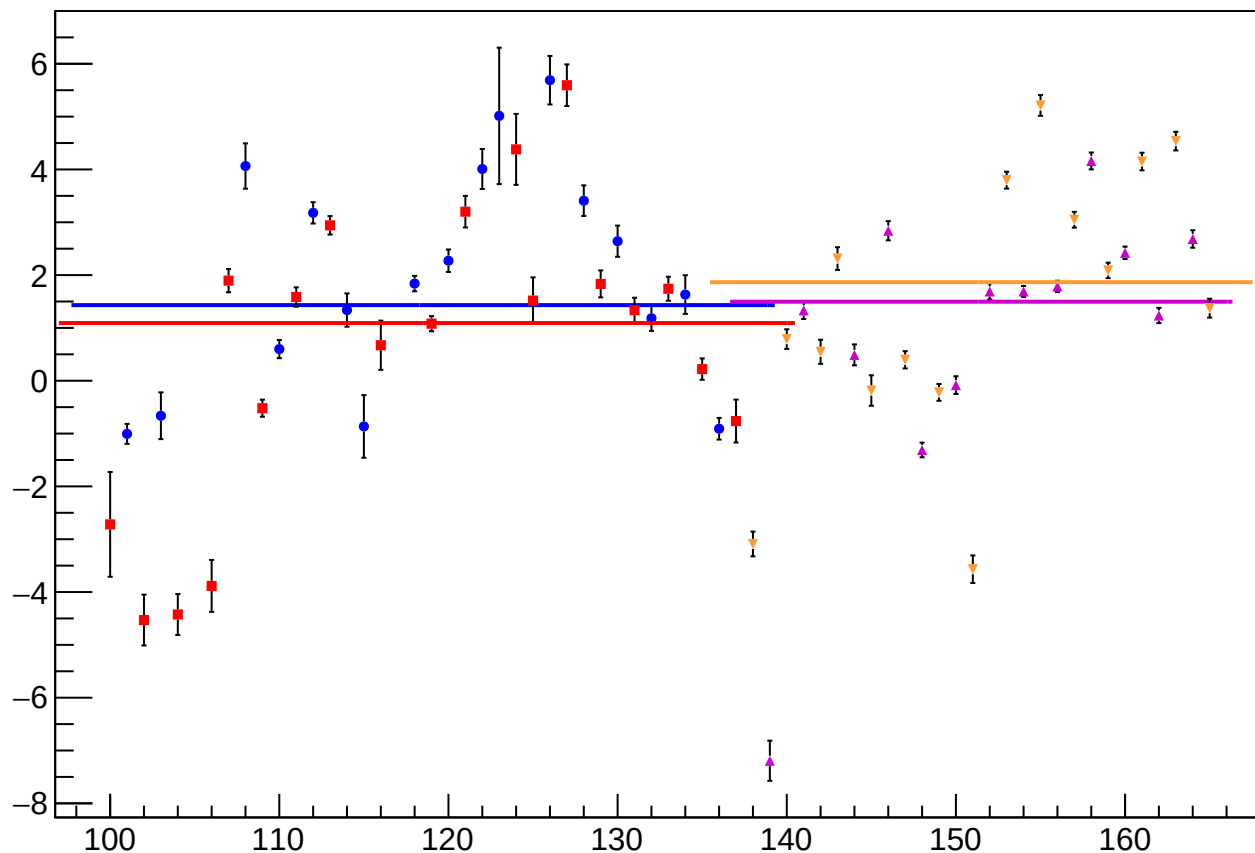
Left In: -19.020 +/- 0.057 χ^2/NDF : 36946.8/12

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -21.608 +/- 0.043 χ^2/NDF : 98119.6/27

- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 1.866 ± 0.047 χ^2/NDF : 2181.2/14

Right Out: 1.092 ± 0.058 χ^2/NDF : 953.2/18

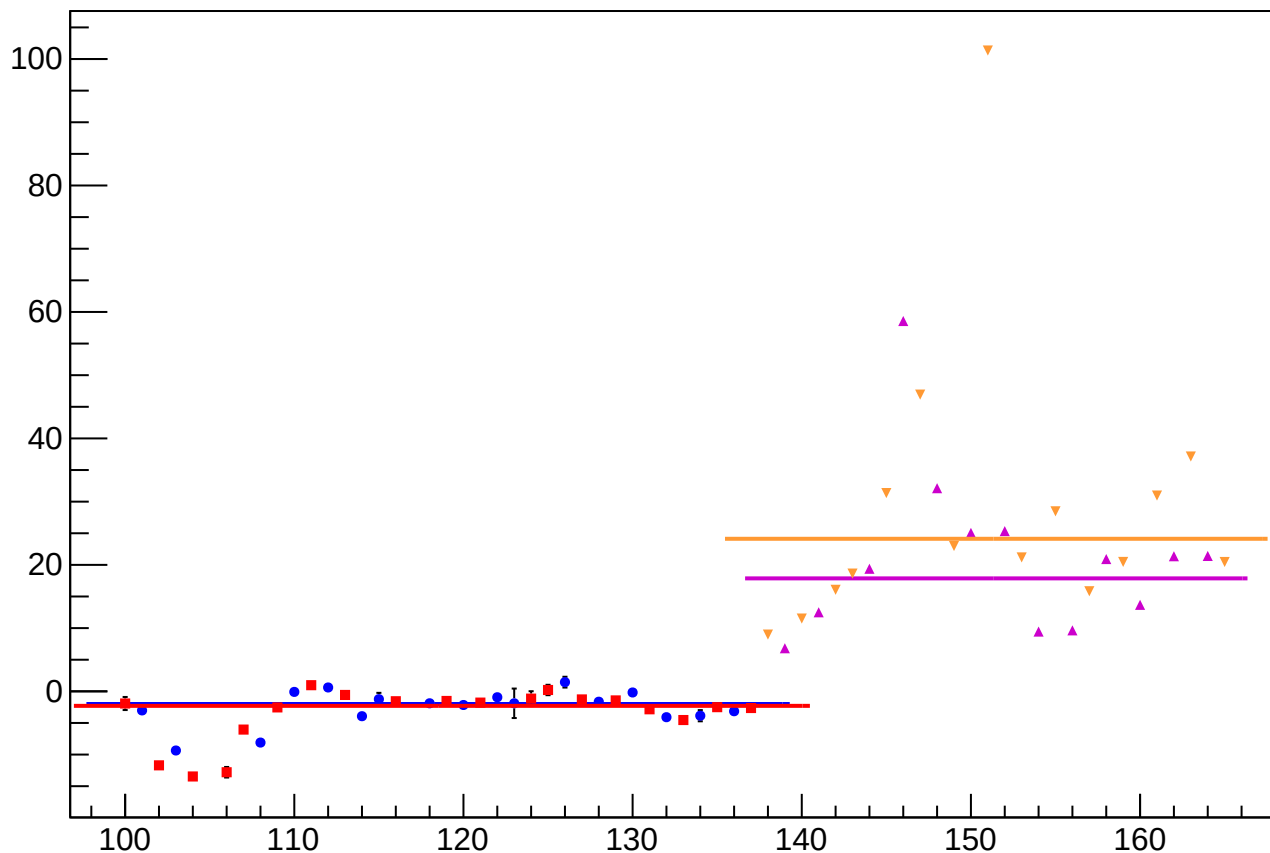
Left In: 1.496 ± 0.041 χ^2/NDF : 1509.8/12

+ sign 1.705 ± 0.038 χ^2/NDF : 2909.0/31

All: 1.514 ± 0.025 χ^2/NDF : 5451.3/63

- sign 1.363 ± 0.033 χ^2/NDF : 2495.7/31

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 24.126 ± 0.064 χ^2/NDF : 50692.2/14

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

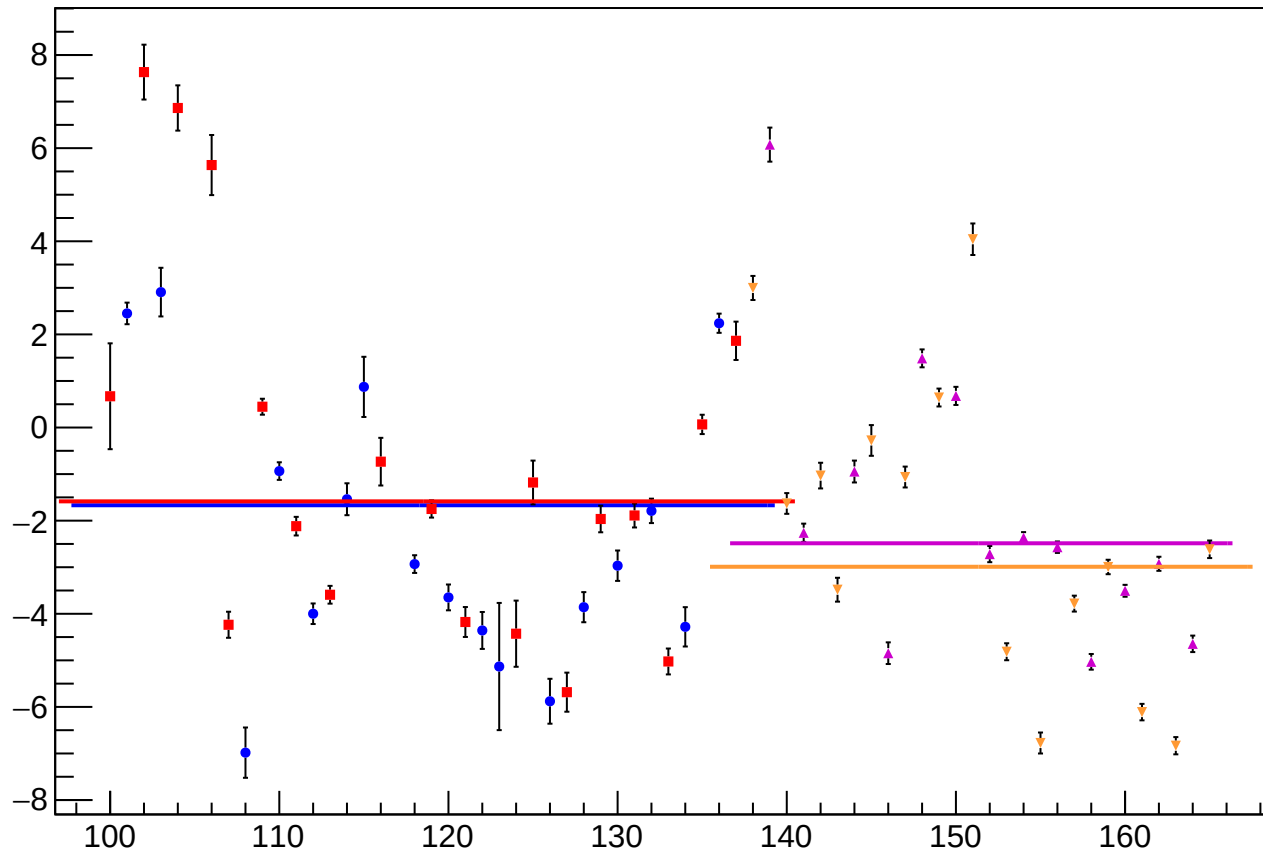
Left In: 17.864 ± 0.055 χ^2/NDF : 35045.4/12

+ sign 17.656 ± 0.055 χ^2/NDF : 93065.9/31

All: 15.047 ± 0.036 χ^2/NDF : 164903.2/63

- sign 13.063 ± 0.048 χ^2/NDF : 67890.9/31

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 $\pm$ 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.990 $\pm$ 0.054 χ^2/NDF : 2708.8/14

Right Out: -1.585 $\pm$ 0.065 χ^2/NDF : 1494.7/18

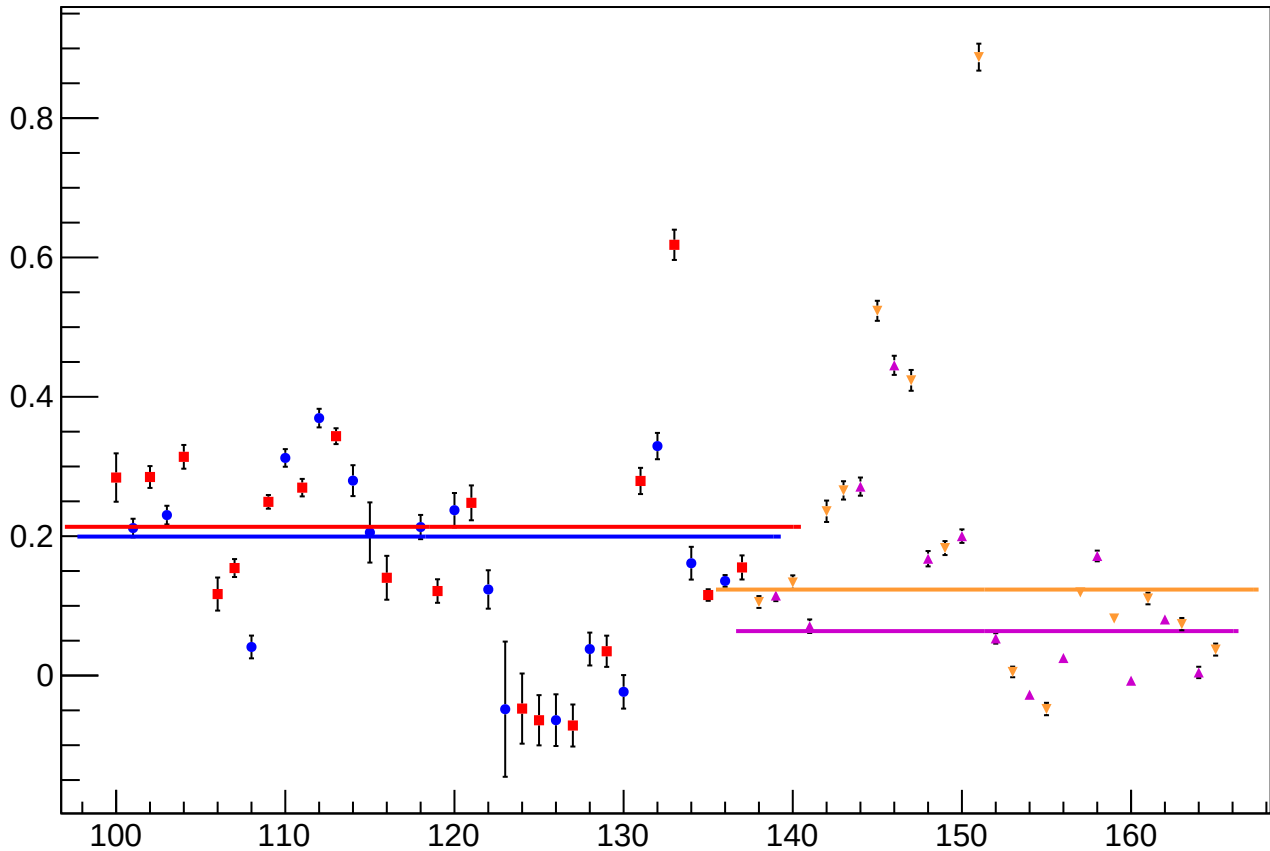
Left In: -2.486 $\pm$ 0.046 χ^2/NDF : 1839.9/12

+ sign -2.504 $\pm$ 0.043 χ^2/NDF : 4243.9/31

All: -2.324 $\pm$ 0.028 χ^2/NDF : 7736.0/63

- sign -2.185 $\pm$ 0.038 χ^2/NDF : 3460.9/31

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.123 ± 0.002 χ^2/NDF : 3726.6/14

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

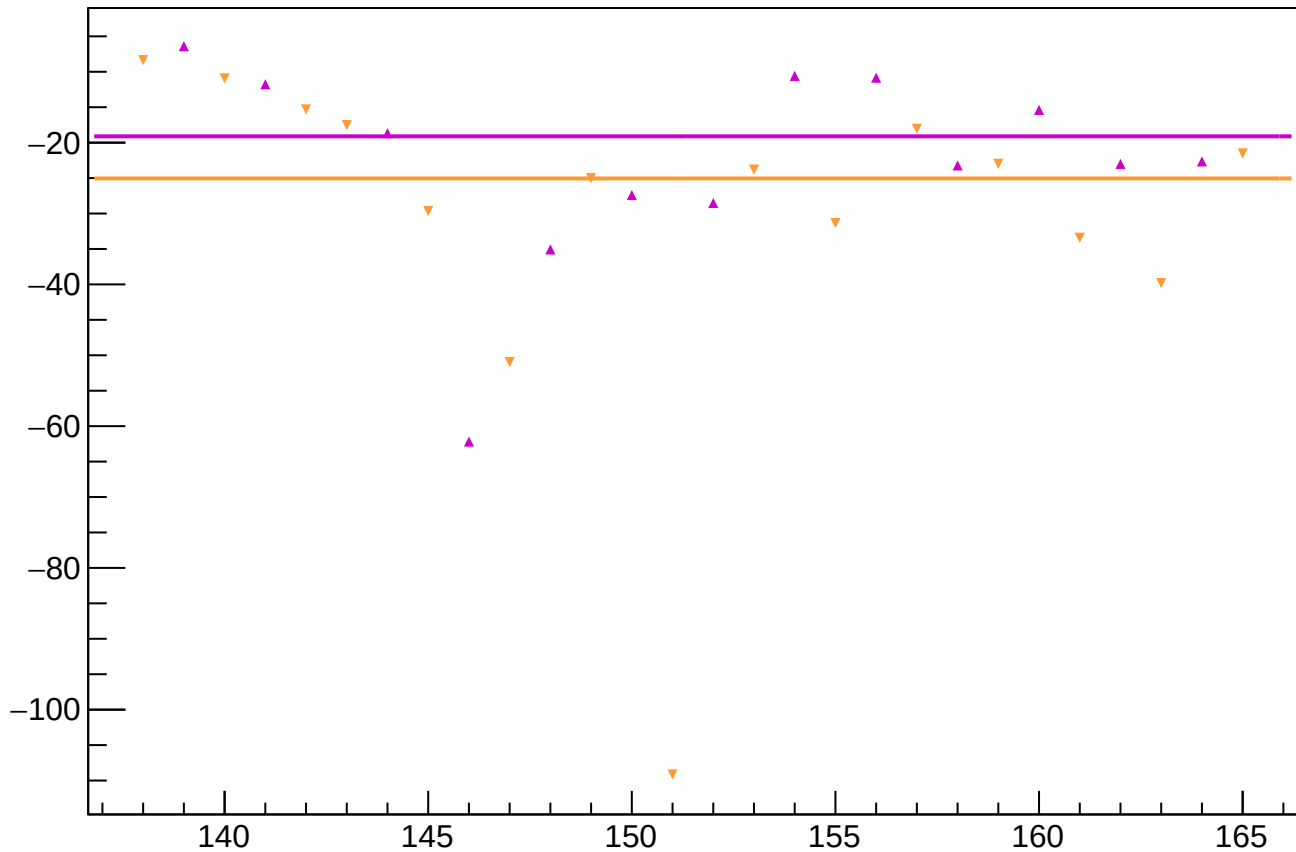
Left In: 0.064 ± 0.002 χ^2/NDF : 2165.4/12

+ sign 0.143 ± 0.002 χ^2/NDF : 4640.1/31

All: 0.117 ± 0.001 χ^2/NDF : 9375.6/63

- sign 0.099 ± 0.002 χ^2/NDF : 4479.1/31

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -25.053 ± 0.065 χ^2/NDF : 56660.3/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

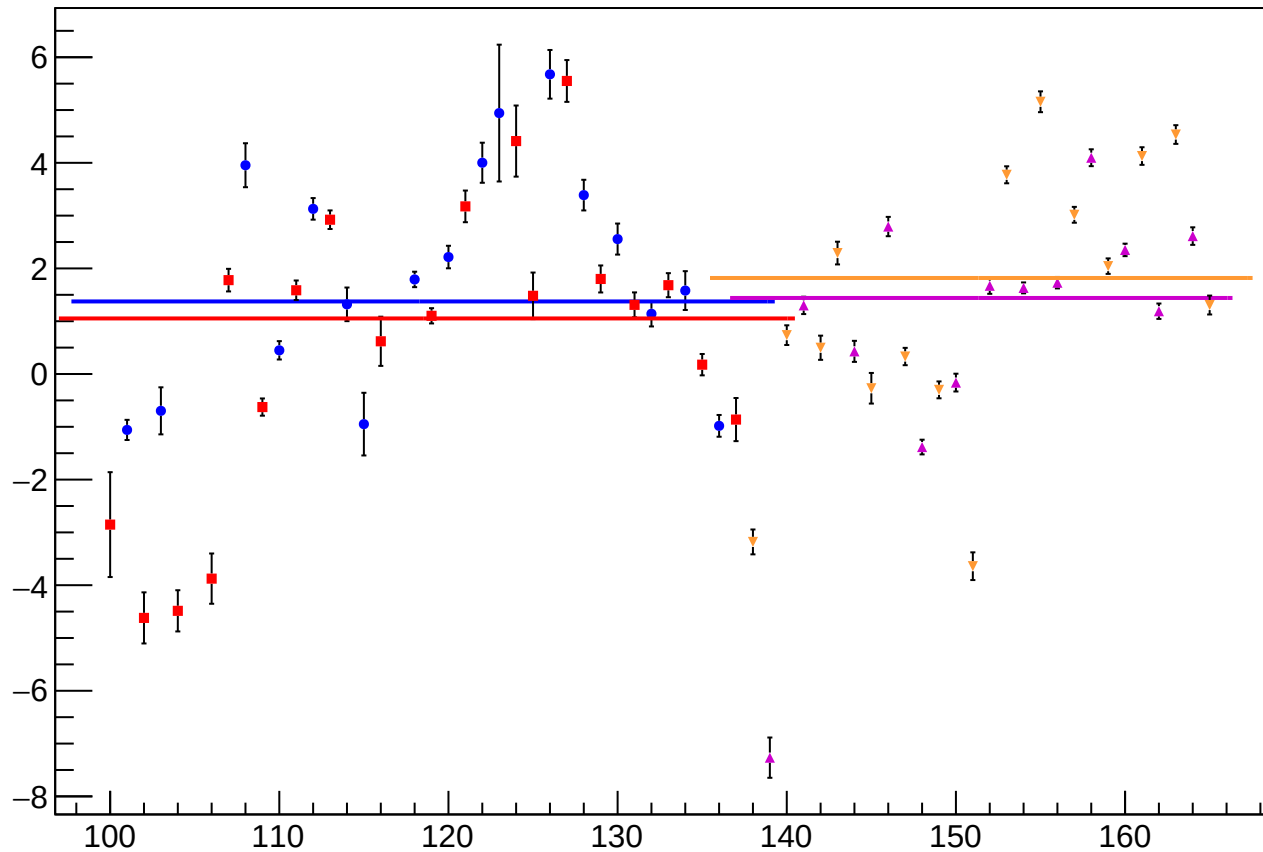
Left In: -19.109 ± 0.058 χ^2/NDF : 37012.2/12

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -21.713 ± 0.043 χ^2/NDF : 98339.7/27

- 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: 1.819 ± 0.047 χ^2/NDF : 2200.2/14

Right Out: 1.052 ± 0.058 χ^2/NDF : 964.0/18

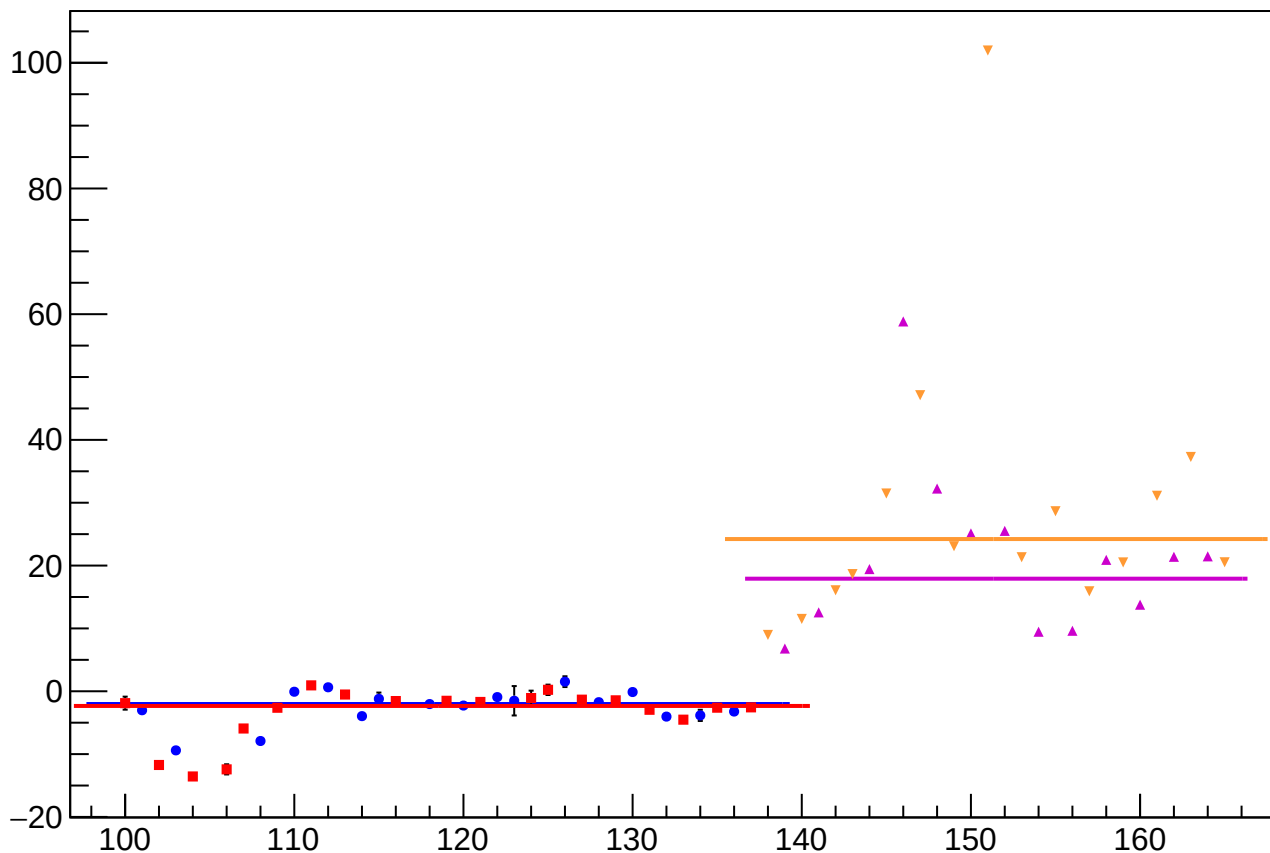
Left In: 1.440 ± 0.041 χ^2/NDF : 1504.4/12

+ sign 1.655 ± 0.038 χ^2/NDF : 2935.1/31

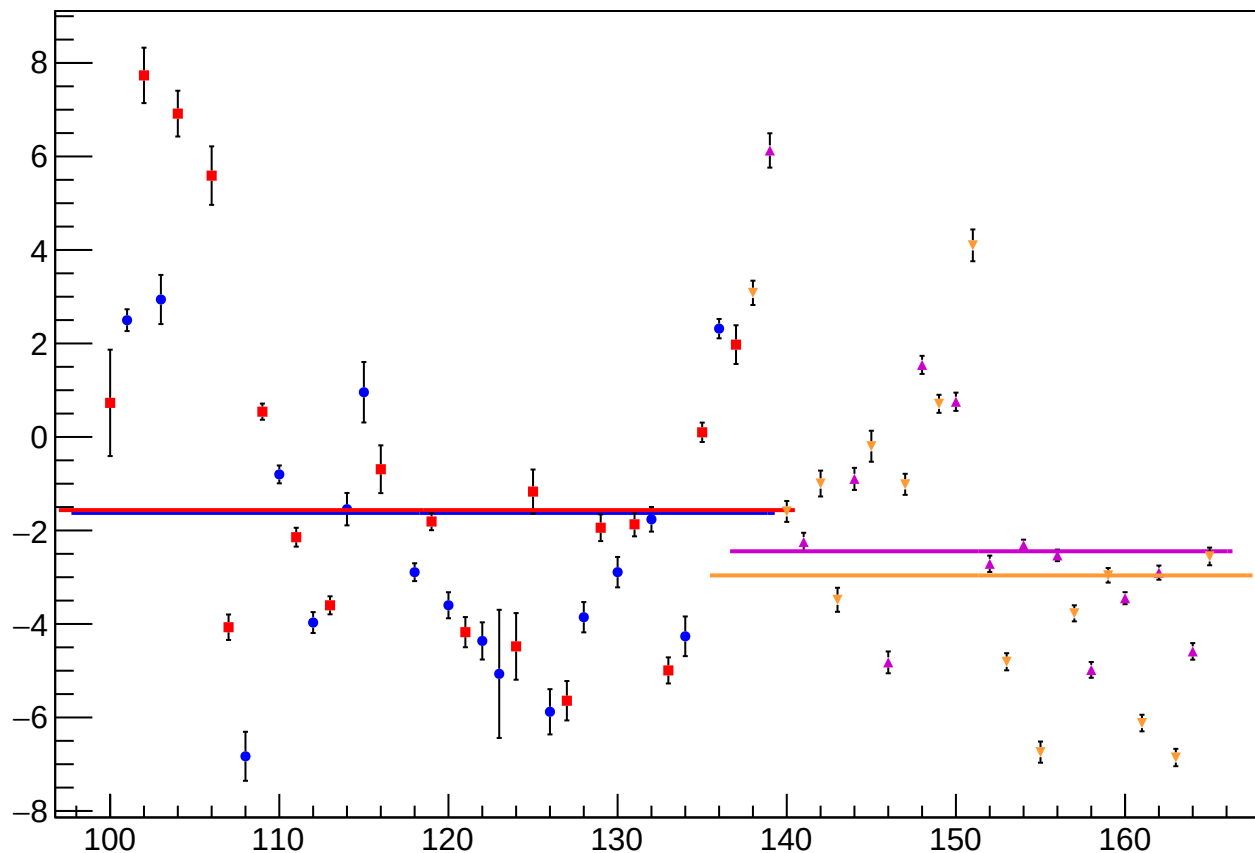
All: 1.463 ± 0.025 χ^2/NDF : 5479.8/63

- sign 1.312 ± 0.033 χ^2/NDF : 2498.4/31

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.962 ± 0.054 χ^2/NDF : 2734.2/14

Right Out: -1.565 ± 0.066 χ^2/NDF : 1505.8/18

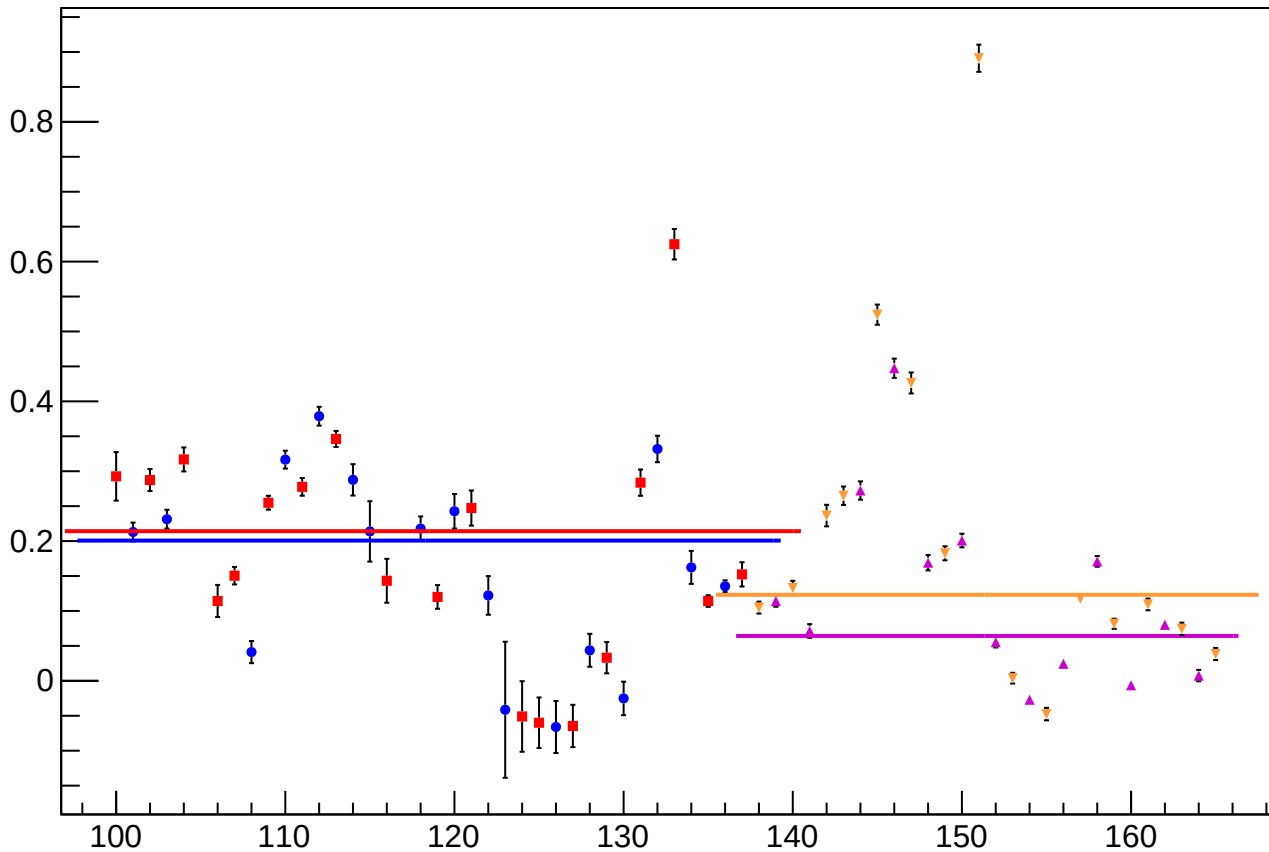
Left In: -2.445 ± 0.047 χ^2/NDF : 1833.8/12

+ sign -2.470 ± 0.043 χ^2/NDF : 4278.6/31

All: -2.290 ± 0.028 χ^2/NDF : 7769.0/63

- sign -2.151 ± 0.038 χ^2/NDF : 3459.4/31

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 690.6/16

Left Out: 0.123 $\pm$ 0.002 χ^2 /NDF: 3714.1/14

Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1080.4/18

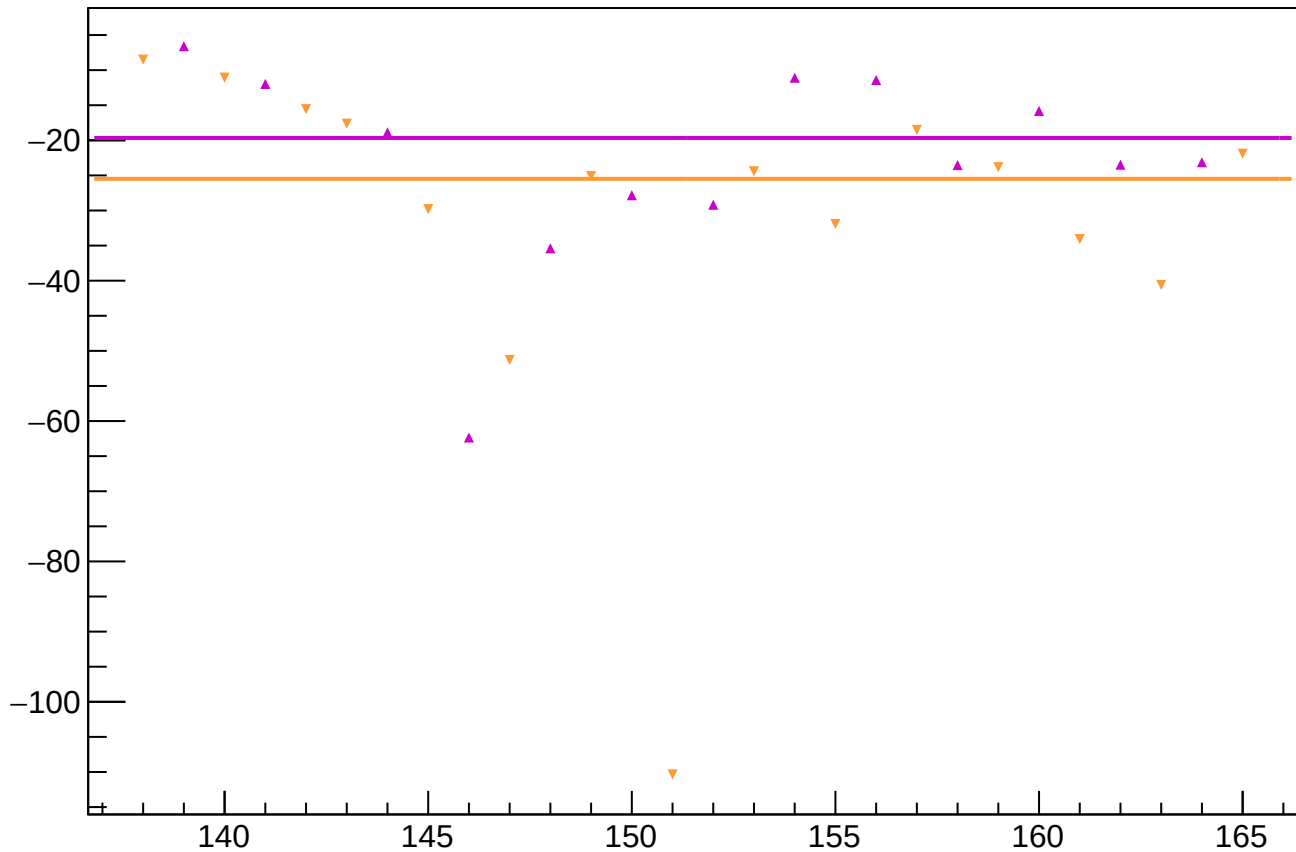
Left In: 0.064 $\pm$ 0.002 χ^2 /NDF: 2151.1/12

+ sign 0.143 $\pm$ 0.002 χ^2 /NDF: 4664.7/31

All: 0.118 $\pm$ 0.001 χ^2 /NDF: 9409.9/63

- sign 0.100 $\pm$ 0.002 χ^2 /NDF: 4496.1/31

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -25.483+/-0.066 χ^2/NDF : 56583.9/14

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

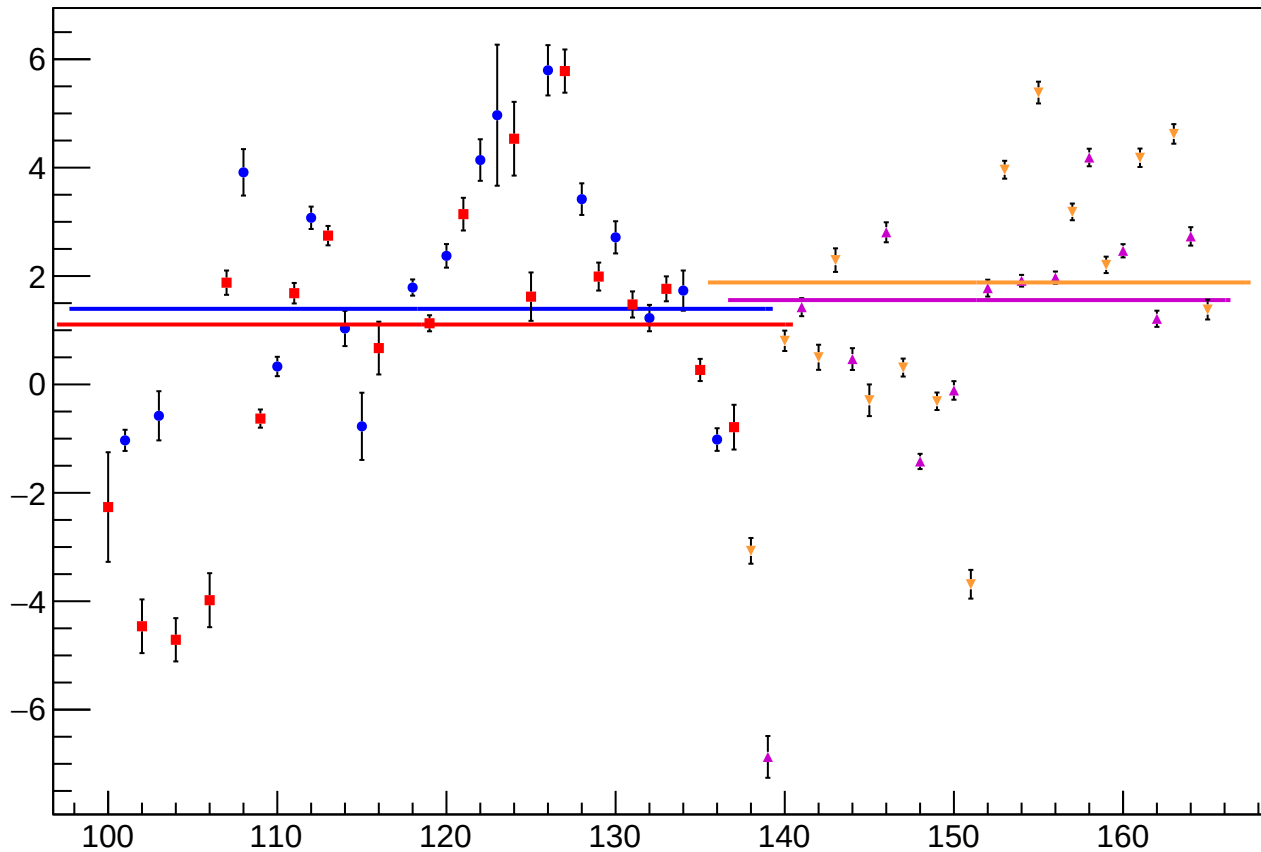
Left In: -19.663+/-0.059 χ^2/NDF : 35858.5/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -22.234+/-0.044 χ^2/NDF : 96742.4/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 $\pm$ 0.063 χ^2/NDF : 701.4/16

Left Out: 1.881 $\pm$ 0.048 χ^2/NDF :2238.6/14

Right Out: 1.106 $\pm$ 0.059 χ^2/NDF : 937.0/18

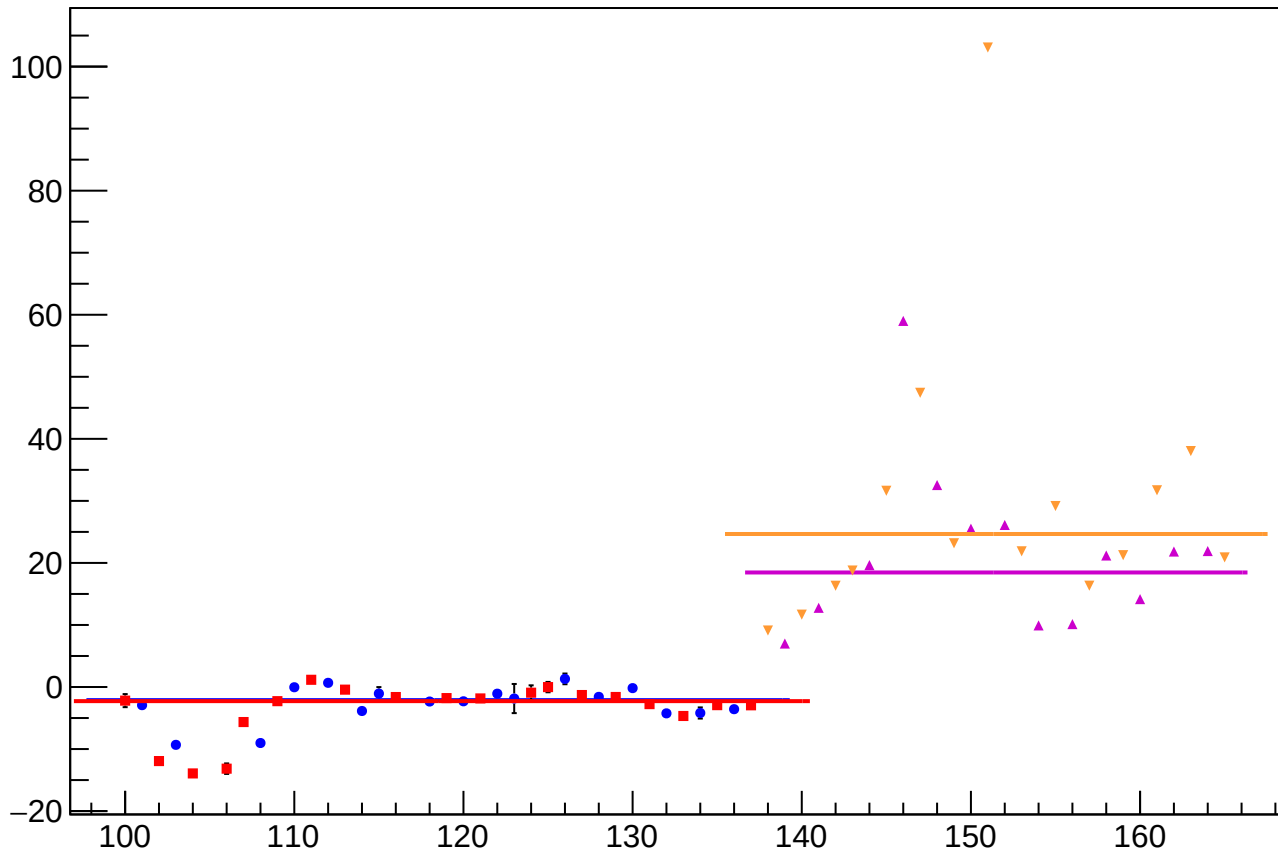
Left In: 1.556 $\pm$ 0.042 χ^2/NDF :1495.6/12

+ sign 1.702 $\pm$ 0.038 χ^2/NDF : 2977.6/31

All: 1.537 $\pm$ 0.025 χ^2/NDF : 5481.9/63

- sign 1.406 $\pm$ 0.034 χ^2/NDF : 2471.1/31

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 24.663 ± 0.065 χ^2/NDF : 50580.3/14

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

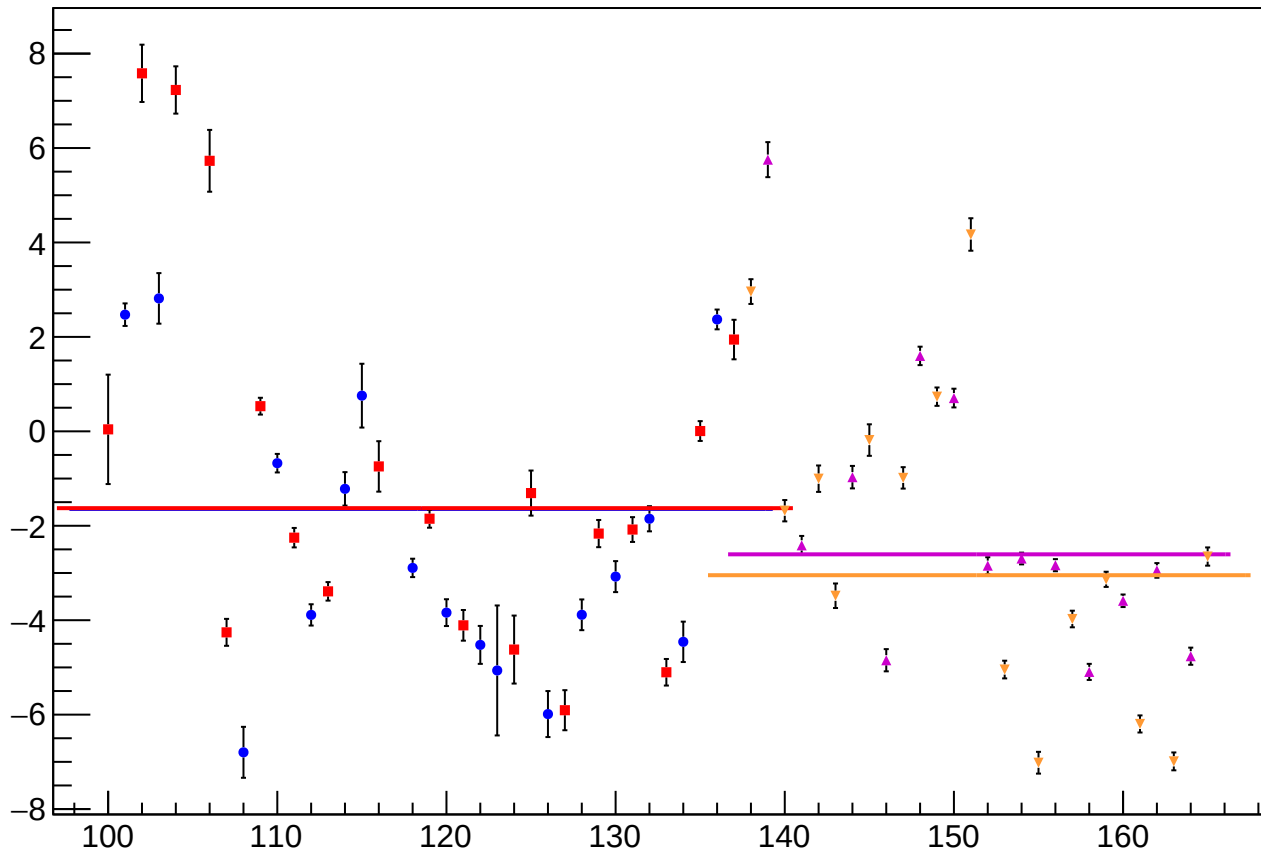
Left In: 18.460 ± 0.057 χ^2/NDF : 33876.0/12

+ sign 18.046 ± 0.056 χ^2/NDF : 93138.8/31

All: 15.478 ± 0.037 χ^2/NDF : 163666.5/63

- sign 13.502 ± 0.049 χ^2/NDF : 66848.4/31

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 $\chi^2/\text{NDF}: 1310.1/16$

Left Out: -3.047 ± 0.055 $\chi^2/\text{NDF}: 2771.9/14$

Right Out: -1.627 ± 0.067 $\chi^2/\text{NDF}: 1468.1/18$

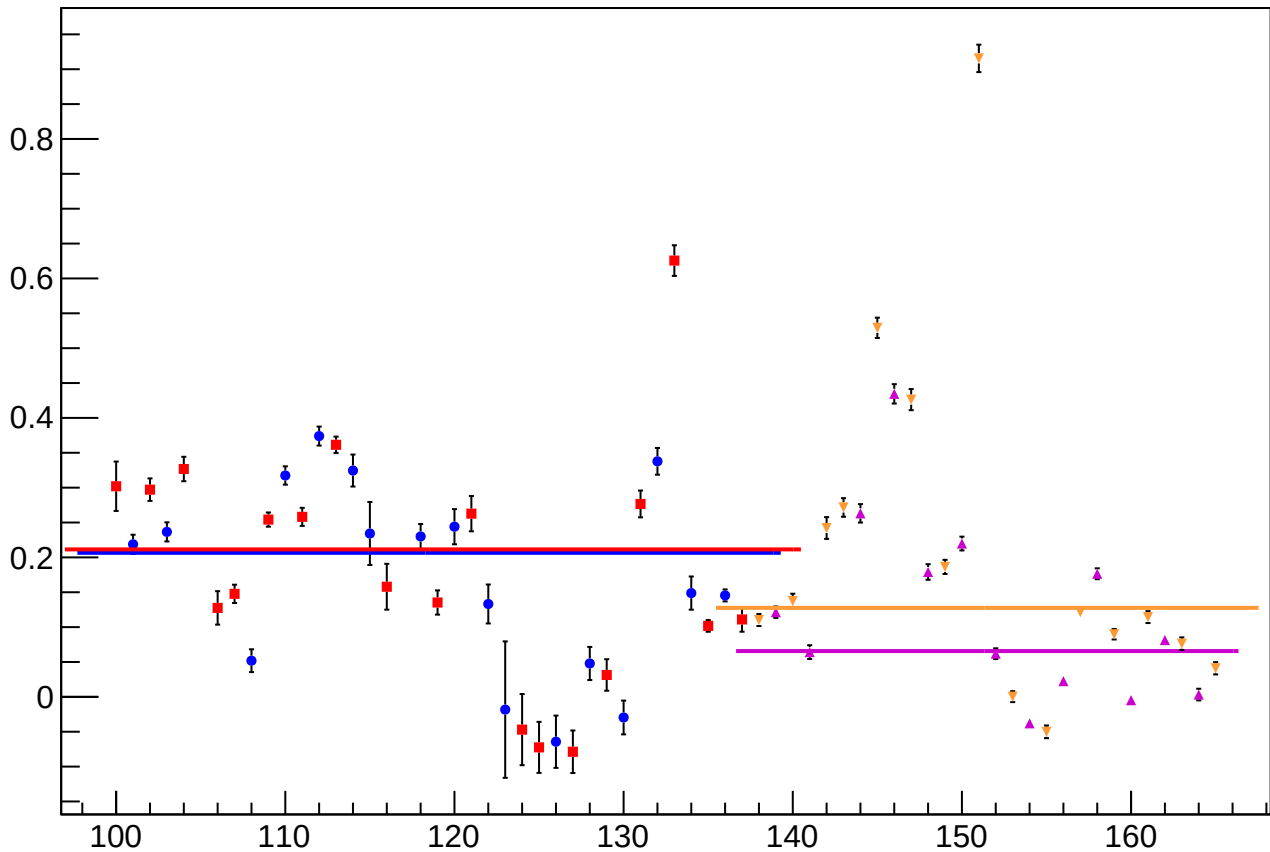
Left In: -2.605 ± 0.048 $\chi^2/\text{NDF}: 1808.1/12$

+ sign -2.531 ± 0.044 $\chi^2/\text{NDF}: 4320.0/31$

All: -2.388 ± 0.029 $\chi^2/\text{NDF}: 7756.8/63$

- sign -2.276 ± 0.039 $\chi^2/\text{NDF}: 3417.7/31$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.128 ± 0.002 χ^2/NDF : 3764.7/14

Right Out: 0.211 ± 0.004 χ^2/NDF : 1145.6/18

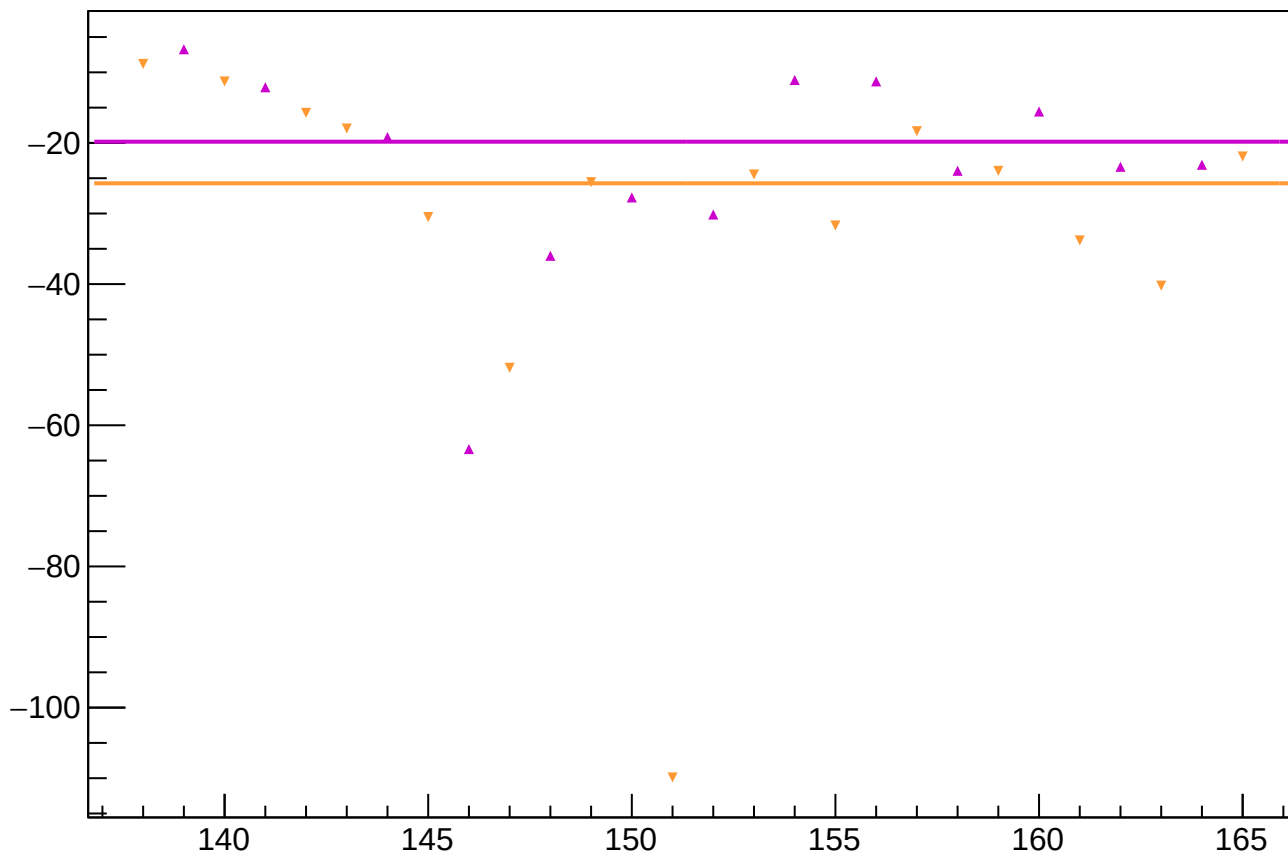
Left In: 0.066 ± 0.002 χ^2/NDF : 2199.1/12

+ sign 0.148 ± 0.002 χ^2/NDF : 4679.1/31

All: 0.120 ± 0.001 χ^2/NDF : 9453.6/63

- sign 0.100 ± 0.002 χ^2/NDF : 4488.4/31

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -25.720+/-0.067 χ^2/NDF :55338.7/14

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

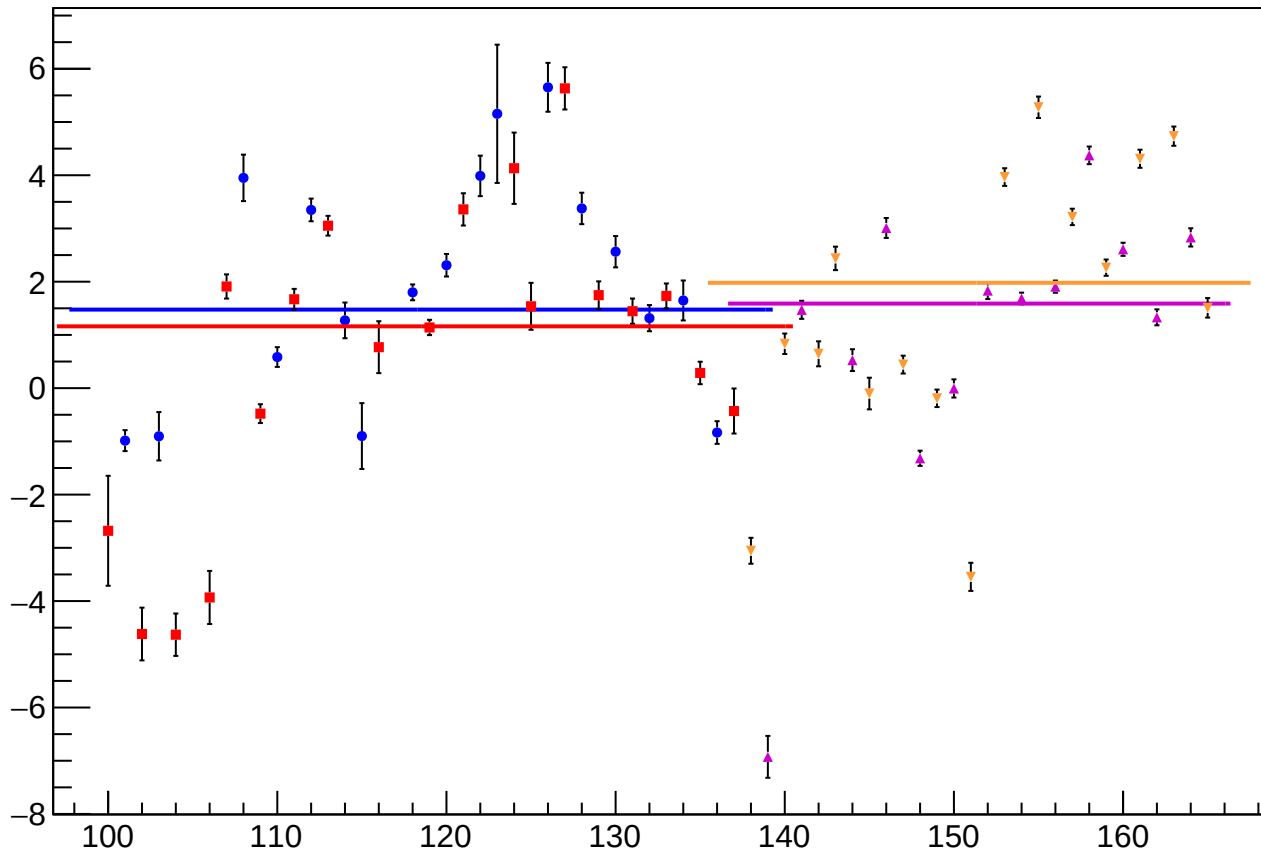
Left In: -19.826+/-0.060 χ^2/NDF :36168.4/12

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -22.442+/-0.045 χ^2/NDF : 95806.7/27

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 1.979 ± 0.049 χ^2/NDF : 2150.3/14

Right Out: 1.161 ± 0.060 χ^2/NDF : 917.9/18

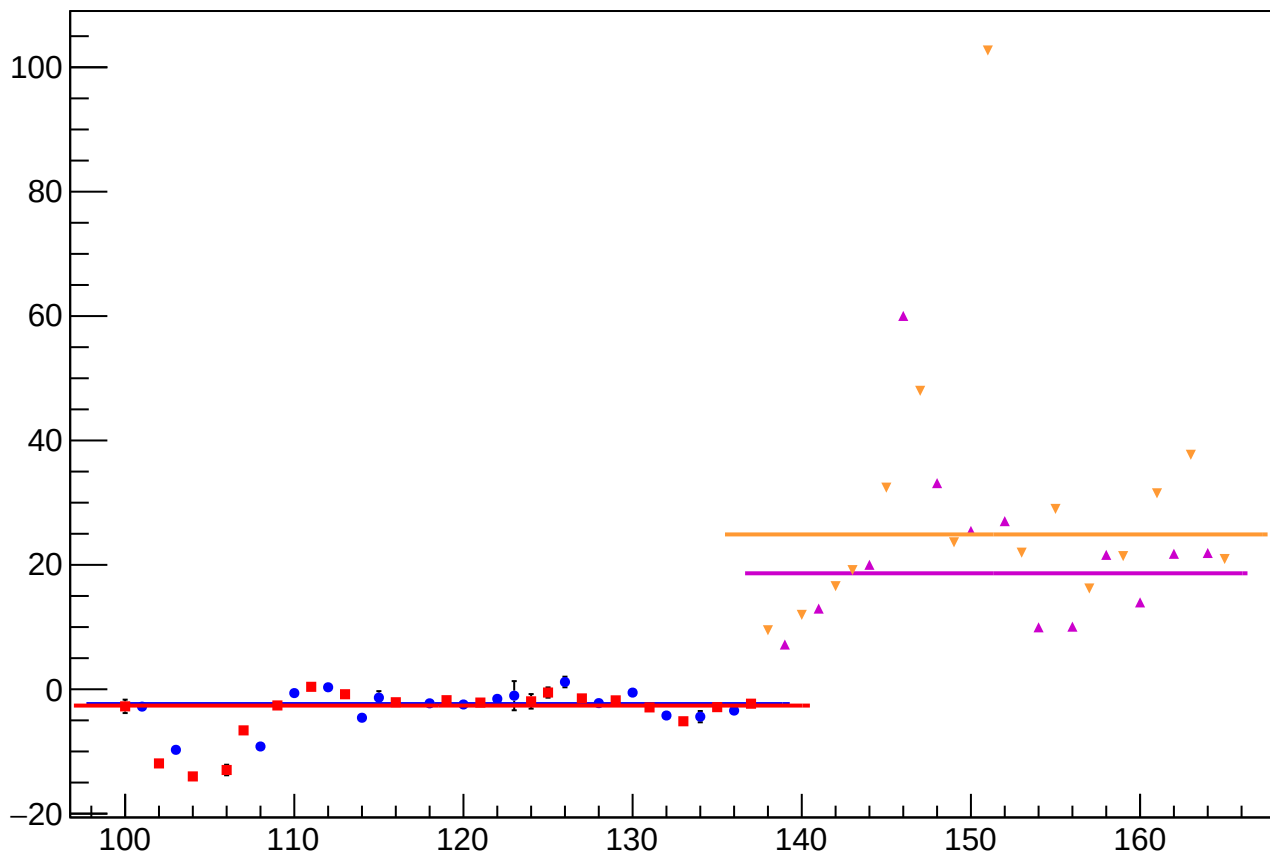
Left In: 1.589 ± 0.042 χ^2/NDF : 1469.2/12

+ sign 1.793 ± 0.039 χ^2/NDF : 2849.4/31

All: 1.600 ± 0.026 χ^2/NDF : 5315.1/63

- sign 1.446 ± 0.035 χ^2/NDF : 2421.0/31

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: 24.894 ± 0.066 $\chi^2/\text{NDF}: 49615.0/14$

Right Out: -2.623 ± 0.103 $\chi^2/\text{NDF}: 841.3/18$

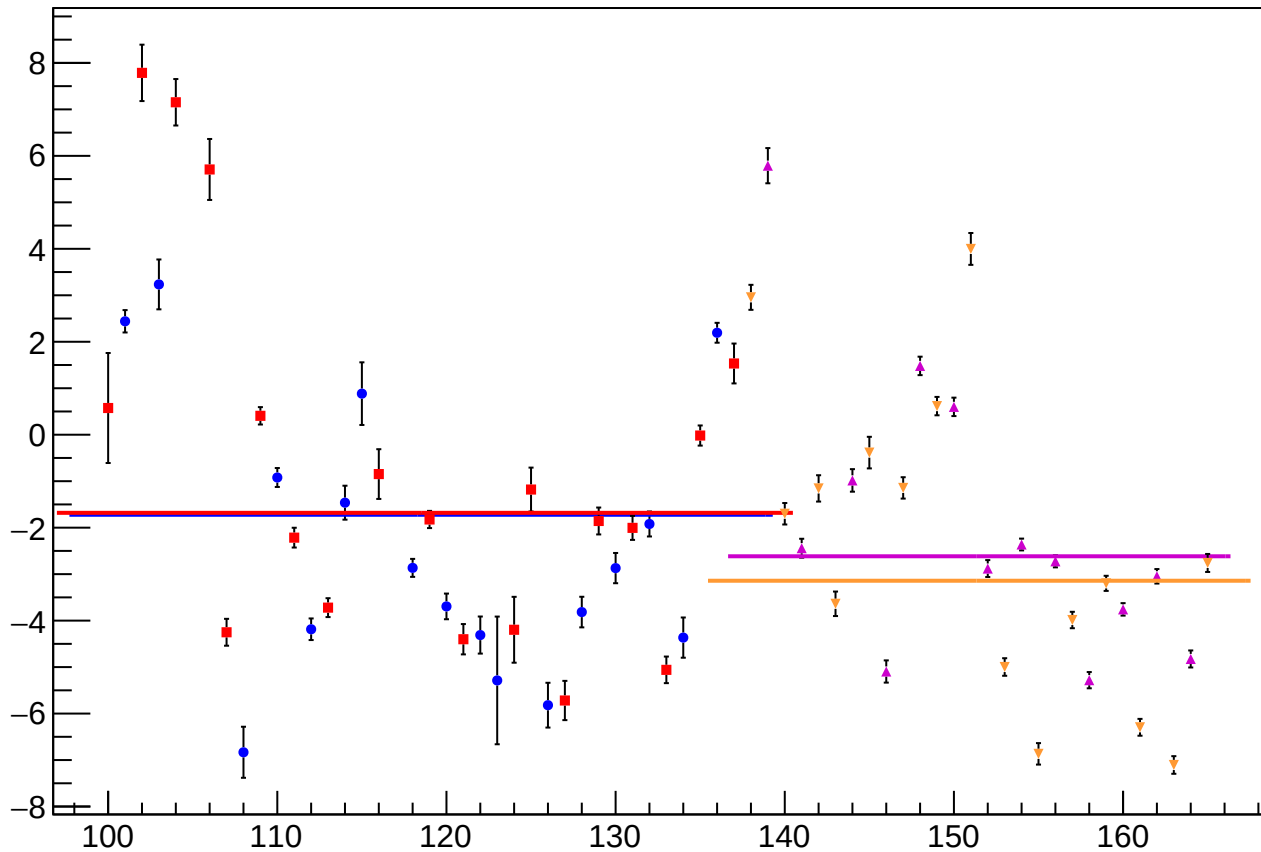
Left In: 18.645 ± 0.057 $\chi^2/\text{NDF}: 34213.4/12$

+ sign 18.209 ± 0.057 $\chi^2/\text{NDF}: 92493.1/31$

All: 15.624 ± 0.038 $\chi^2/\text{NDF}: 163596.8/63$

- sign 13.613 ± 0.050 $\chi^2/\text{NDF}: 67440.9/31$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722 ± 0.073 $\chi^2/\text{NDF}: 1247.6/16$

Left Out: -3.142 ± 0.056 $\chi^2/\text{NDF}: 2665.4/14$

Right Out: -1.681 ± 0.068 $\chi^2/\text{NDF}: 1431.0/18$

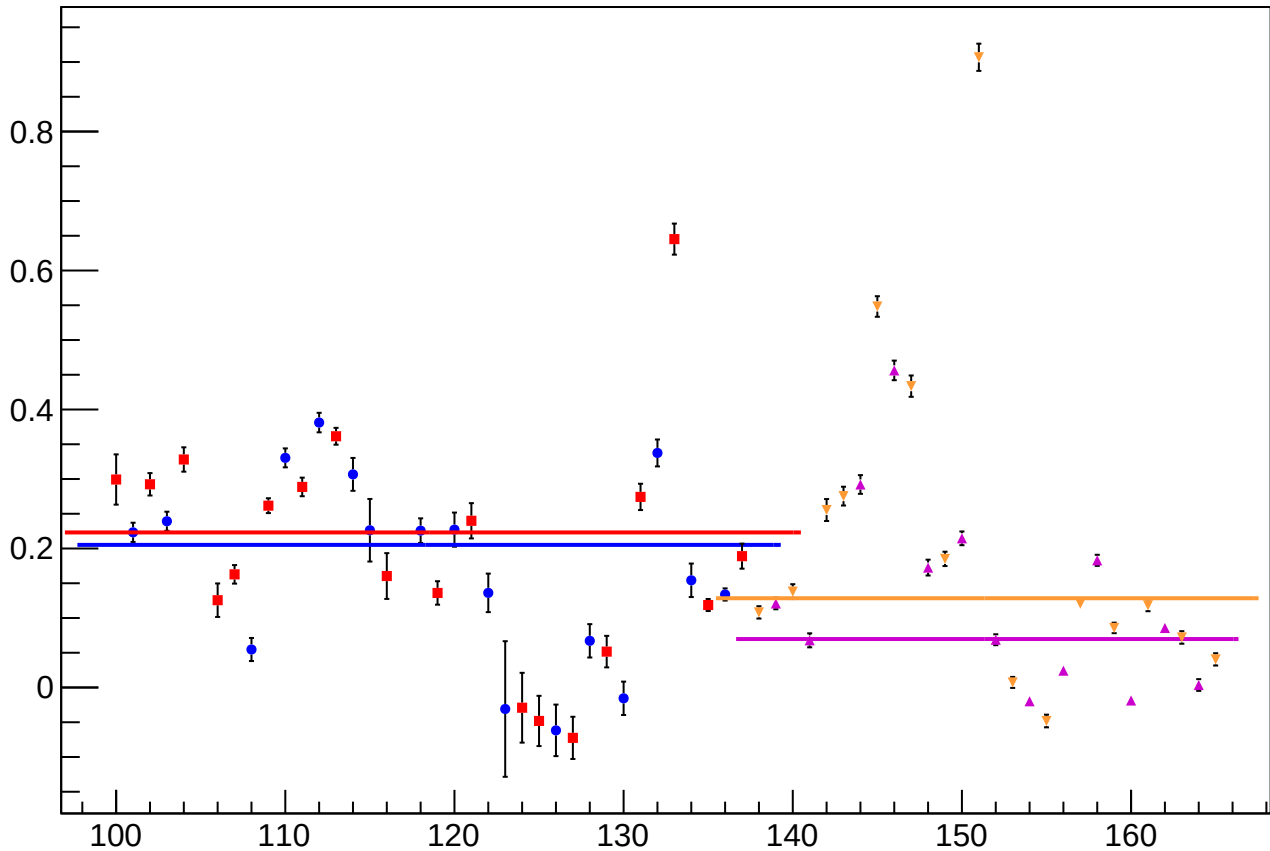
Left In: -2.616 ± 0.048 $\chi^2/\text{NDF}: 1799.9/12$

+ sign -2.621 ± 0.044 $\chi^2/\text{NDF}: 4151.6/31$

All: -2.442 ± 0.029 $\chi^2/\text{NDF}: 7537.2/63$

- sign -2.301 ± 0.039 $\chi^2/\text{NDF}: 3356.5/31$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.128 ± 0.003 χ^2/NDF : 3780.1/14

Right Out: 0.223 ± 0.004 χ^2/NDF : 1040.5/18

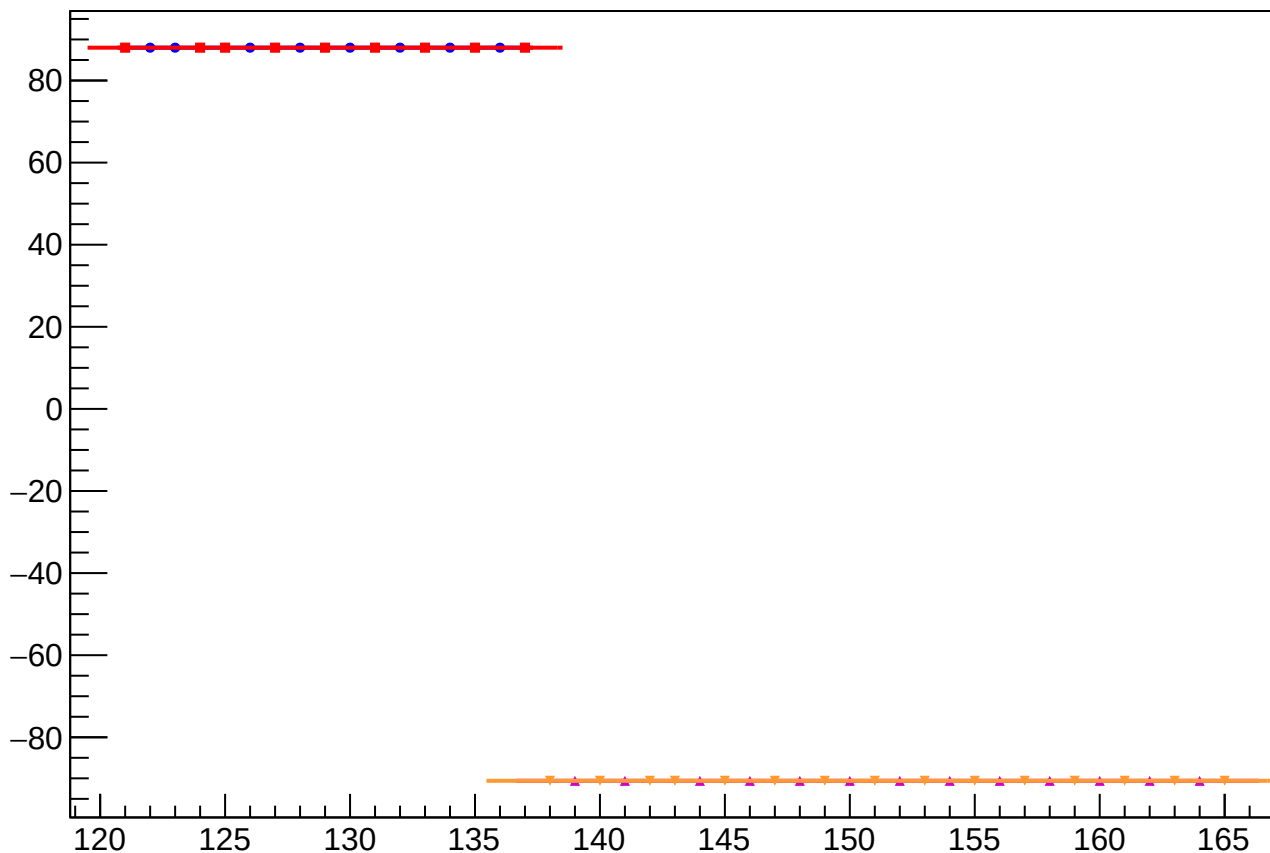
Left In: 0.070 ± 0.002 χ^2/NDF : 2199.9/12

+ sign 0.148 ± 0.002 χ^2/NDF : 4670.4/31

All: 0.124 ± 0.001 χ^2/NDF : 9348.0/63

- sign 0.106 ± 0.002 χ^2/NDF : 4459.4/31

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: 5039218.2/14

Right Out: 88.001 $\pm$ 0.000 χ^2 /NDF: 109456.0/8

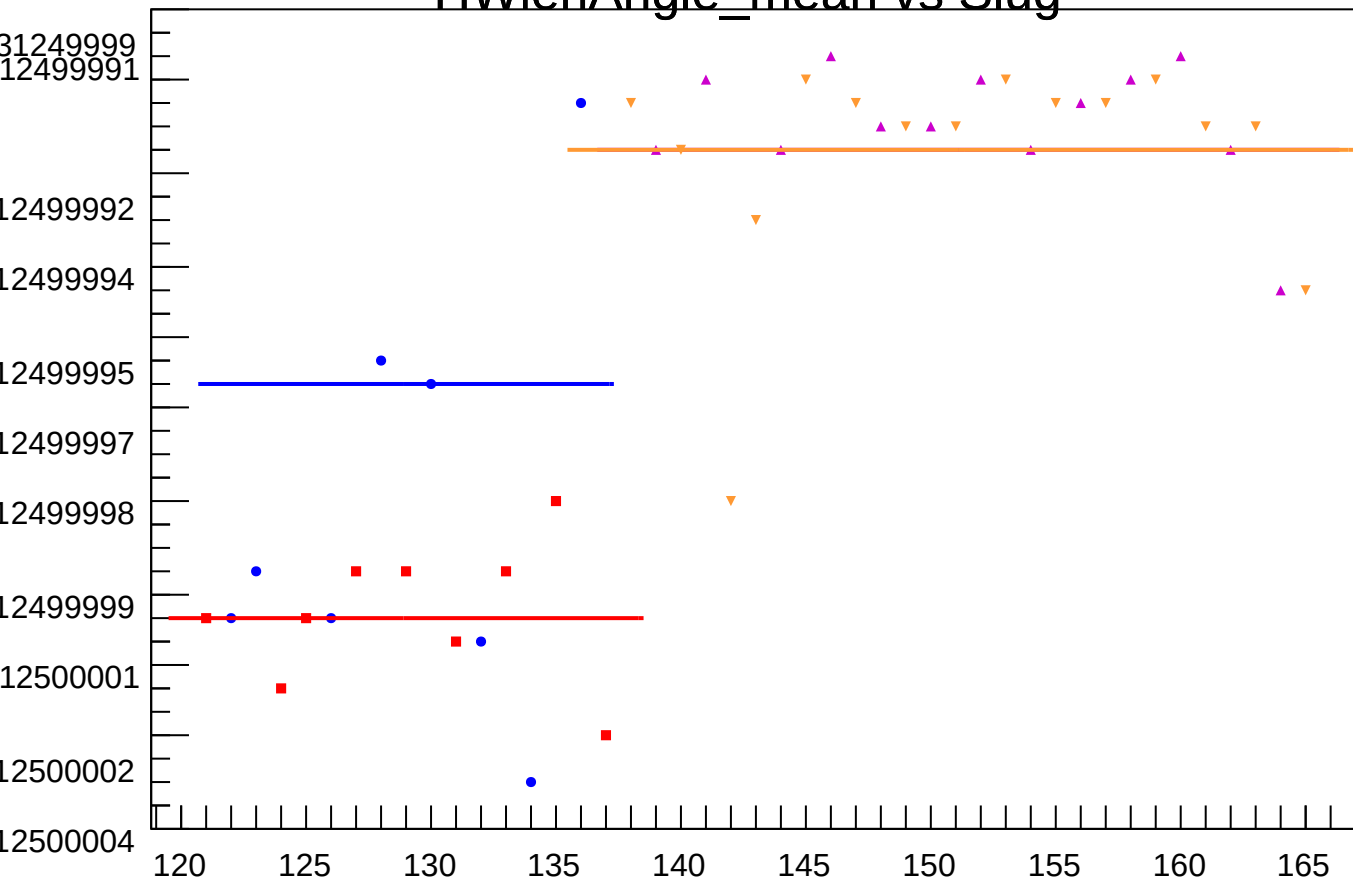
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 2567773.8/12

+ sign -49.770 $\pm$ 0.000 χ^2 /NDF: 841517652224597

All: -49.622 $\pm$ 0.000 χ^2 /NDF: 162470338296

- sign -49.463 $\pm$ 0.000 χ^2 /NDF: 7831789812158831

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 : 215213.9/14

Right Out: -29.641+/-0.000 χ^2/NDF : 29358.2/8

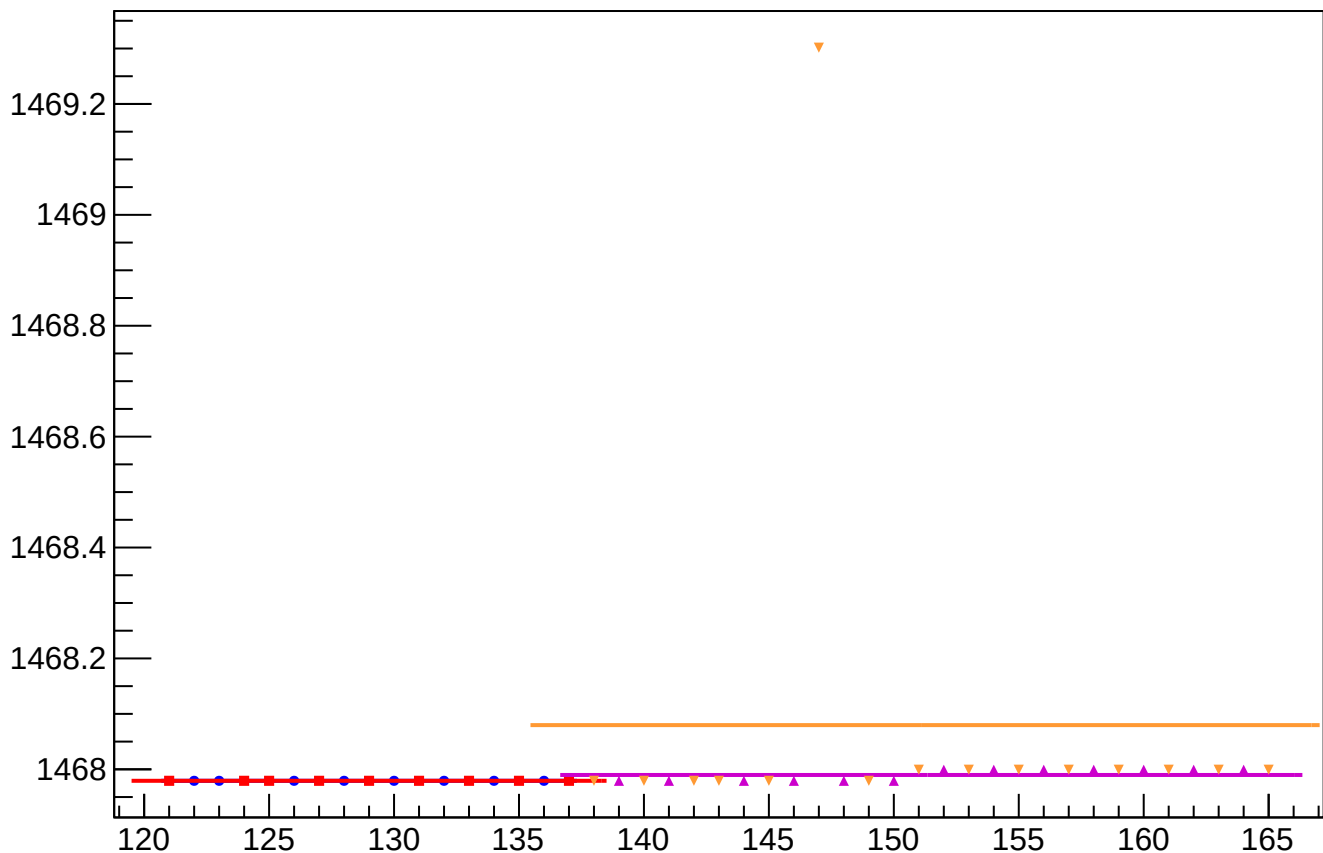
Left In: -29.641+/-0.000 χ^2/NDF : 97137.2/12

+ sign -29.641+/-0.000 χ^2/NDF : 1086608.6/22

All: -29.641+/-0.000 χ^2/NDF : 2522335.4/44

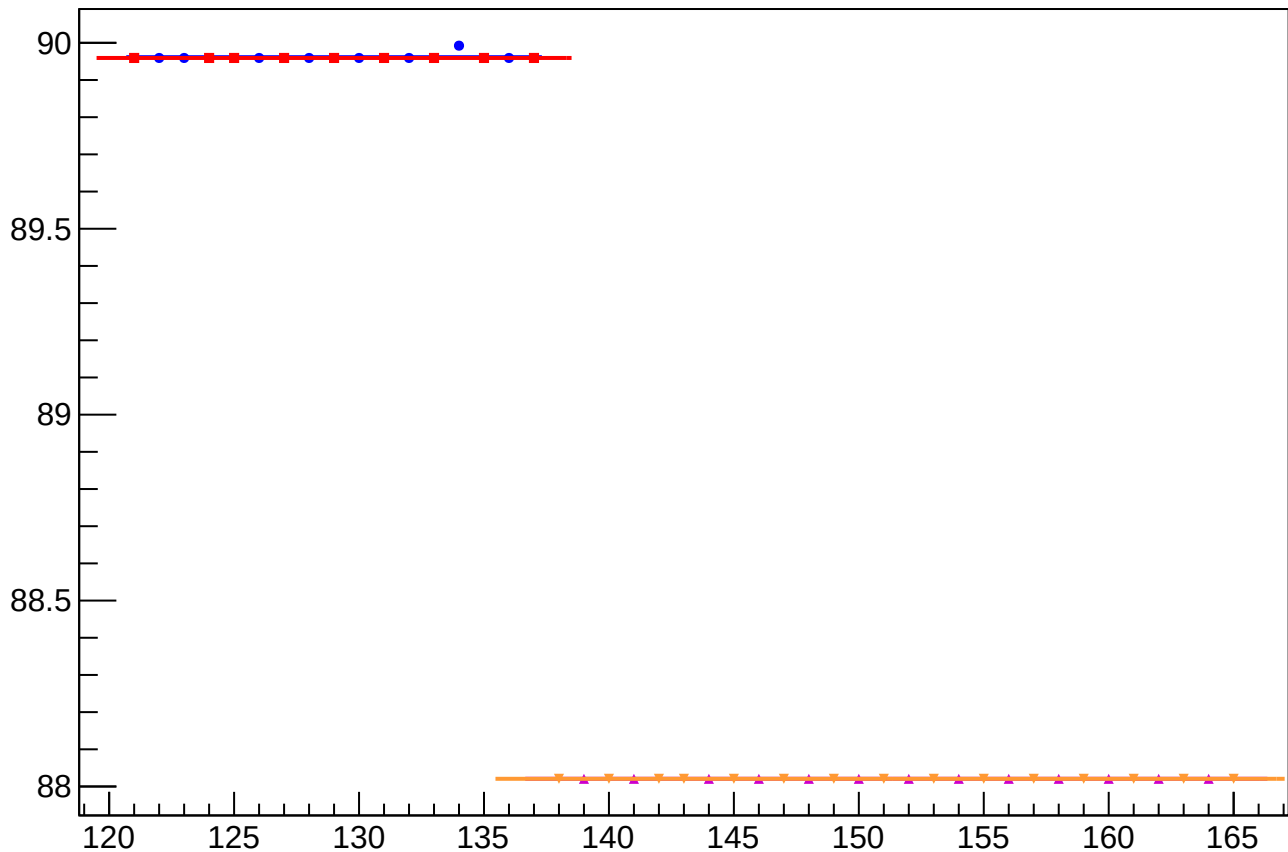
- sign -29.641+/-0.000 χ^2/NDF : 1411846.5/21

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7
 Left Out: 1468.080+/-0.000 χ^2/NDF : 124980616728883178003485115285504.0/14
 Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8
 Left In: 1467.990+/-0.000 χ^2/NDF : 106326454008359177080641945600.0/12
 + sign 1468.057+/-0.000 χ^2/NDF : 12764135943160
 All: 1468.023+/-0.000 χ^2/NDF : 13123681825
 - sign 1467.987+/-0.000 χ^2/NDF : 13342960284541

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: 4454577.6/14

Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 331397.3/8

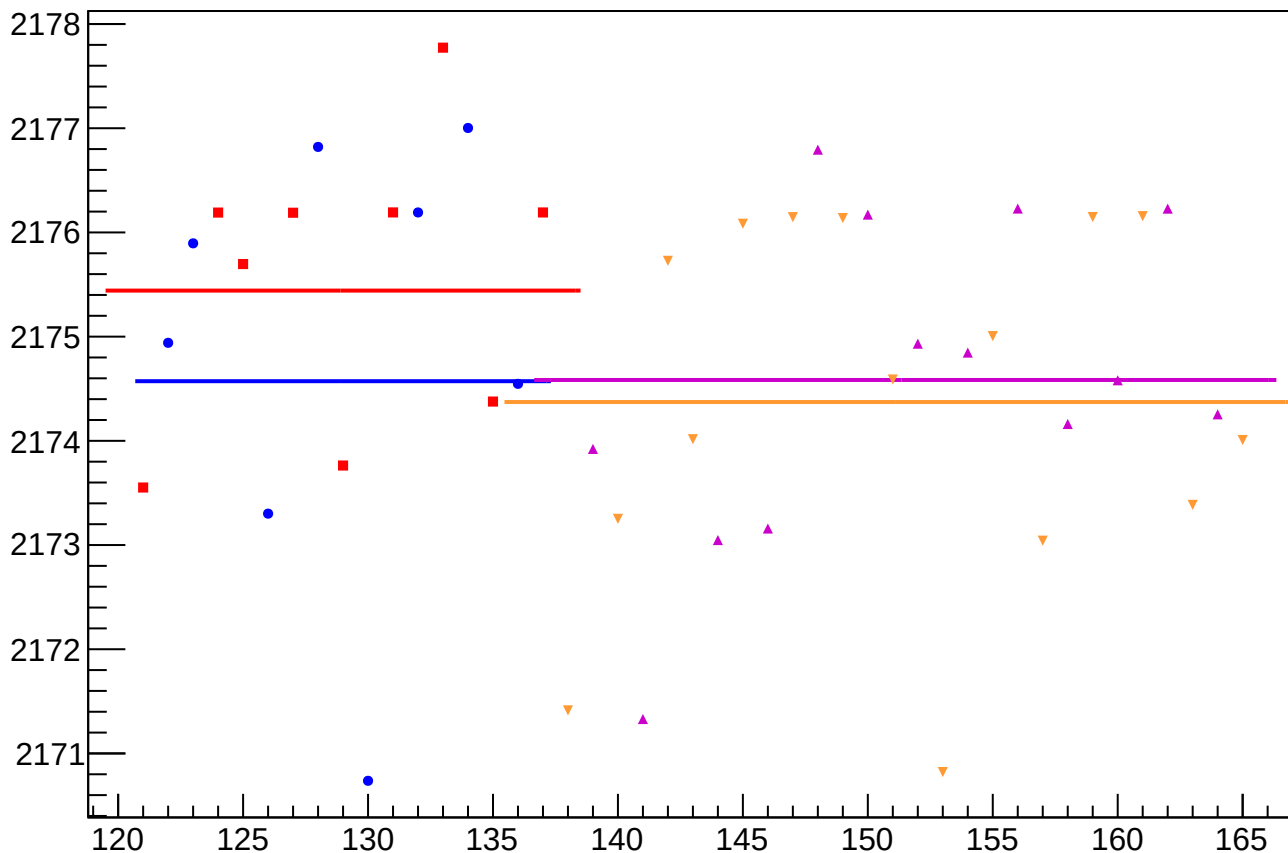
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 2477502.9/12

+ sign 88.464 $\pm$ 0.000 χ^2 /NDF: 9935554629323342

All: 88.466 $\pm$ 0.000 χ^2 /NDF: 1916285168450

- sign 88.467 $\pm$ 0.000 χ^2 /NDF: 9227238174965347

HALLA_p_mean vs Slug



Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.372+/-0.000 χ^2/NDF : 3502460640600259703272380412461056.0/14

Right Out: 2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

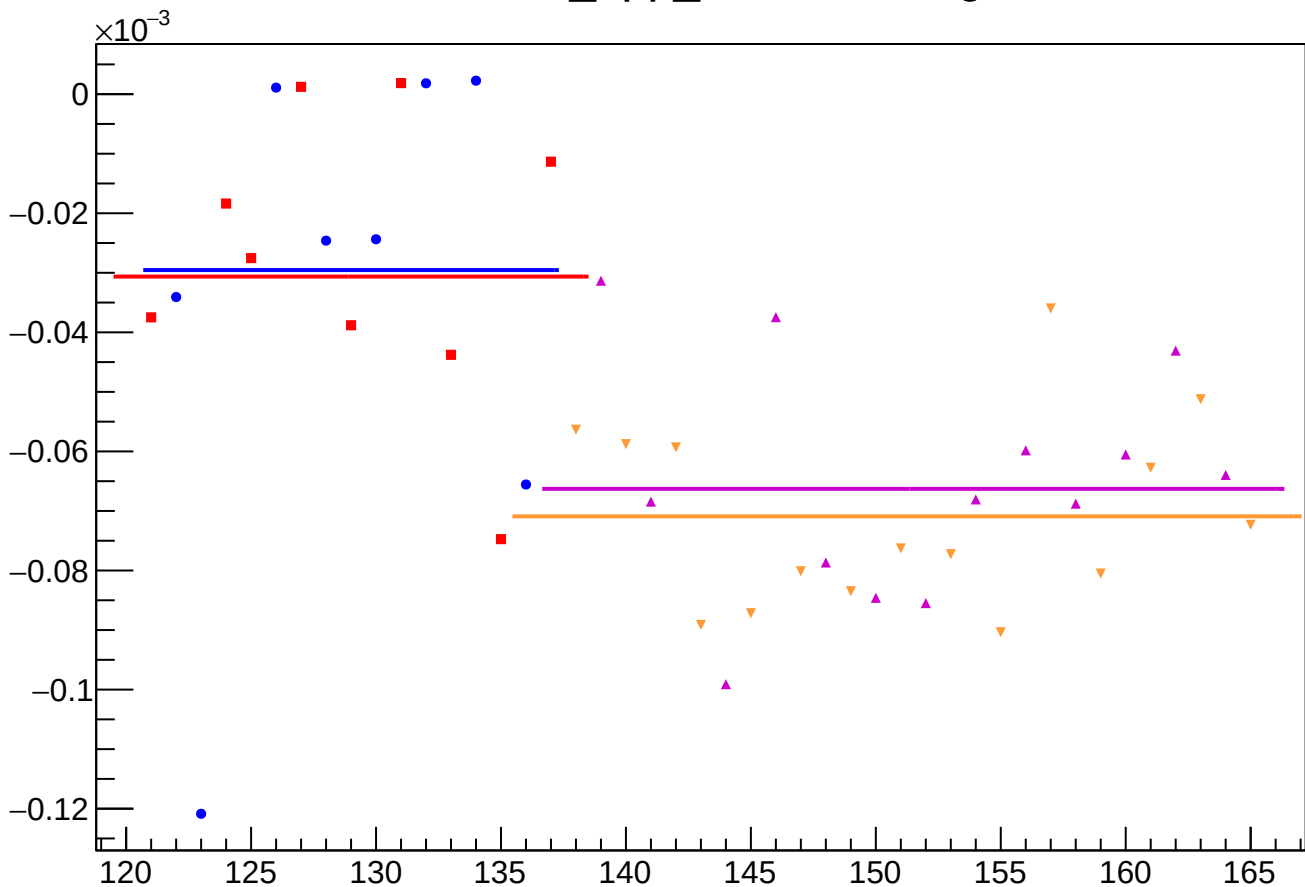
Left In: 2174.584+/-0.000 χ^2/NDF : 2405847276523443203084741578326016.0/12

+ sign 2174.418+/-0.000 χ^2/NDF : 48732711627059

All: 2174.593+/-0.000 χ^2/NDF : 81655752284

- sign 2174.782+/-0.000 χ^2/NDF : 31973040901279

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: 276932699209729350565888.0/14

Right Out: -0.000+/-0.000 χ^2 /NDF: 196732771178766734983168.0/8

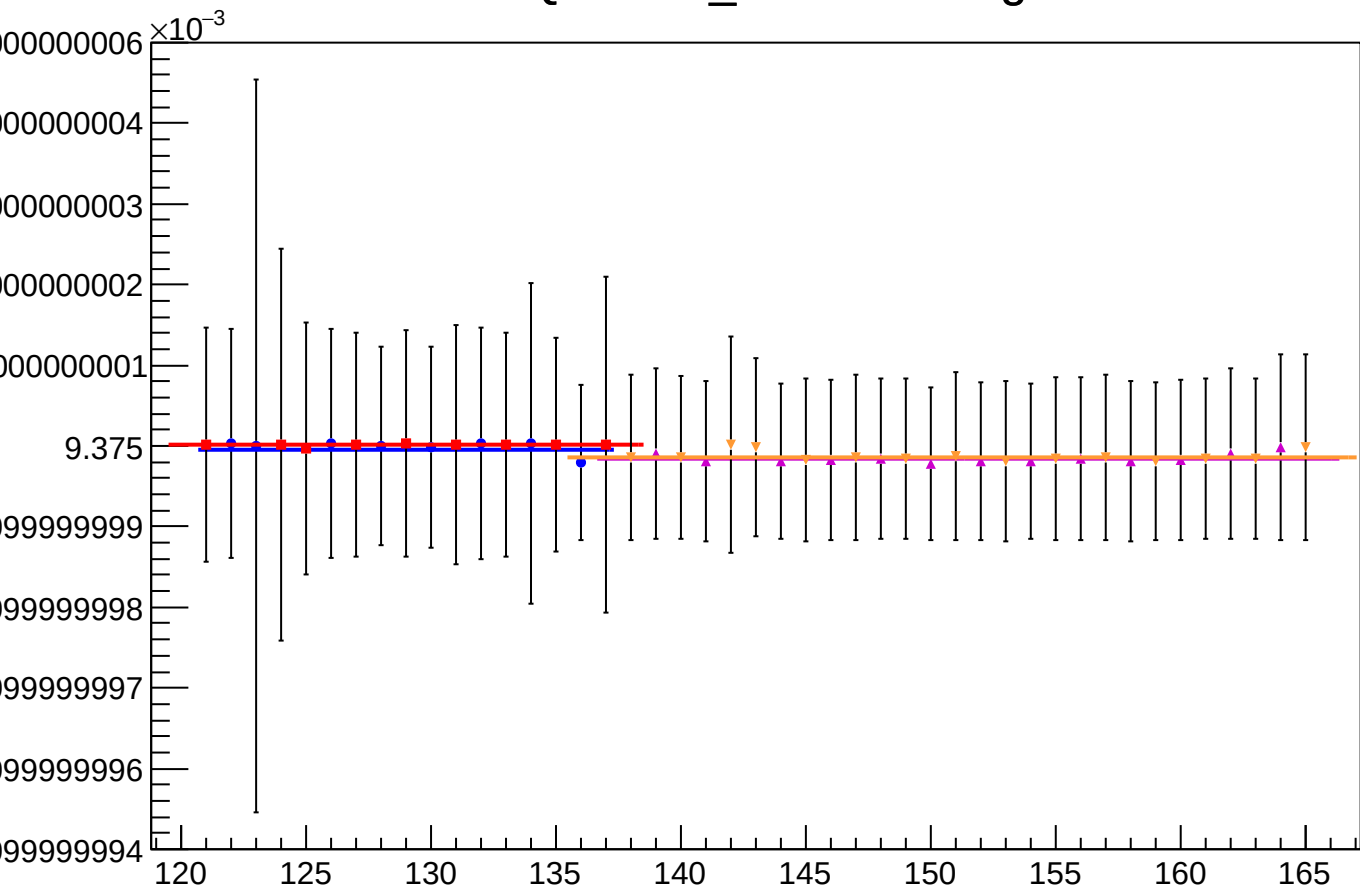
Left In: -0.000+/-0.000 χ^2 /NDF: 378062219391262053629952.0/12

+ sign -0.000+/-0.000 χ^2 /NDF: 9783050367918645

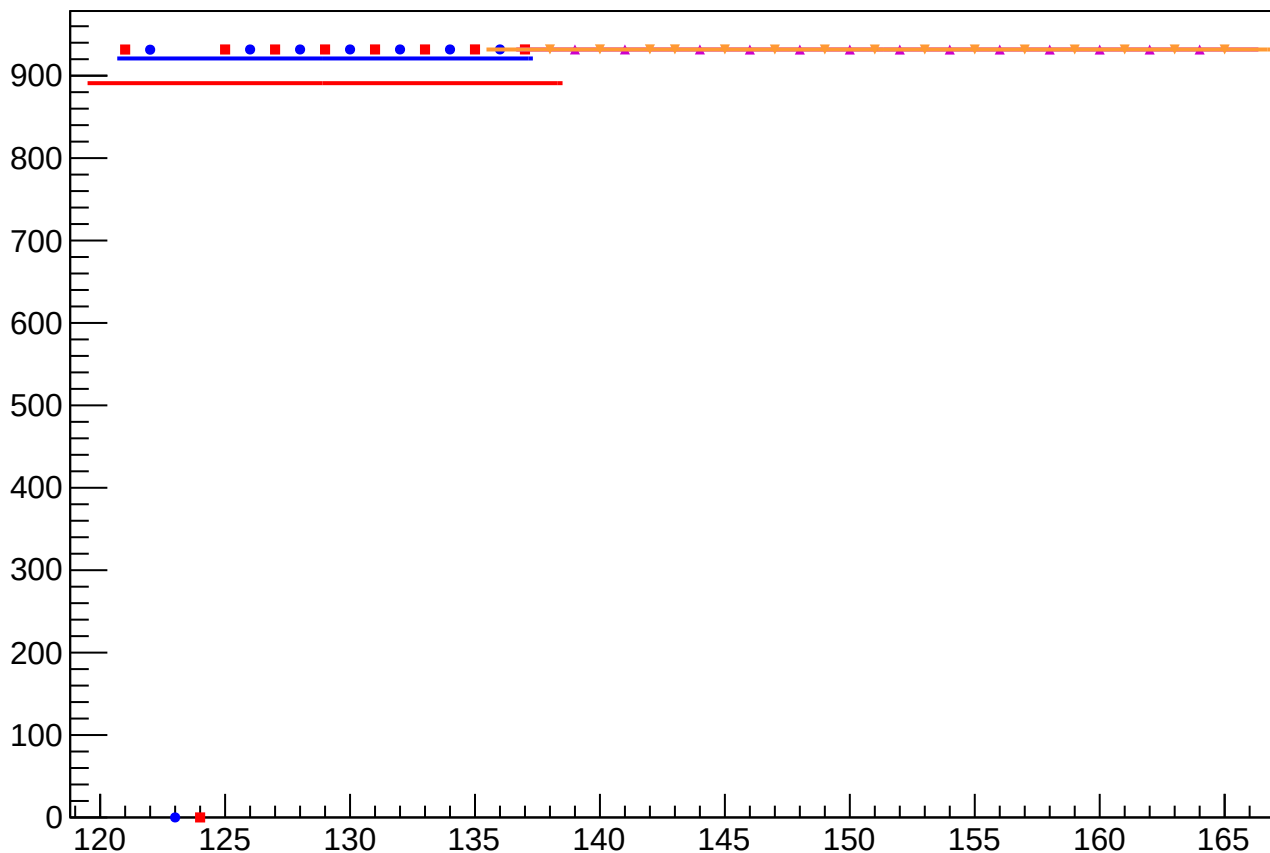
All: -0.000+/-0.000 χ^2 /NDF: 1873418709058

- sign -0.000+/-0.000 χ^2 /NDF: 88695151782647905

MQ171LM_mean vs Slug



HacL_Q2_HP3458A_IOUT_mean vs Slug



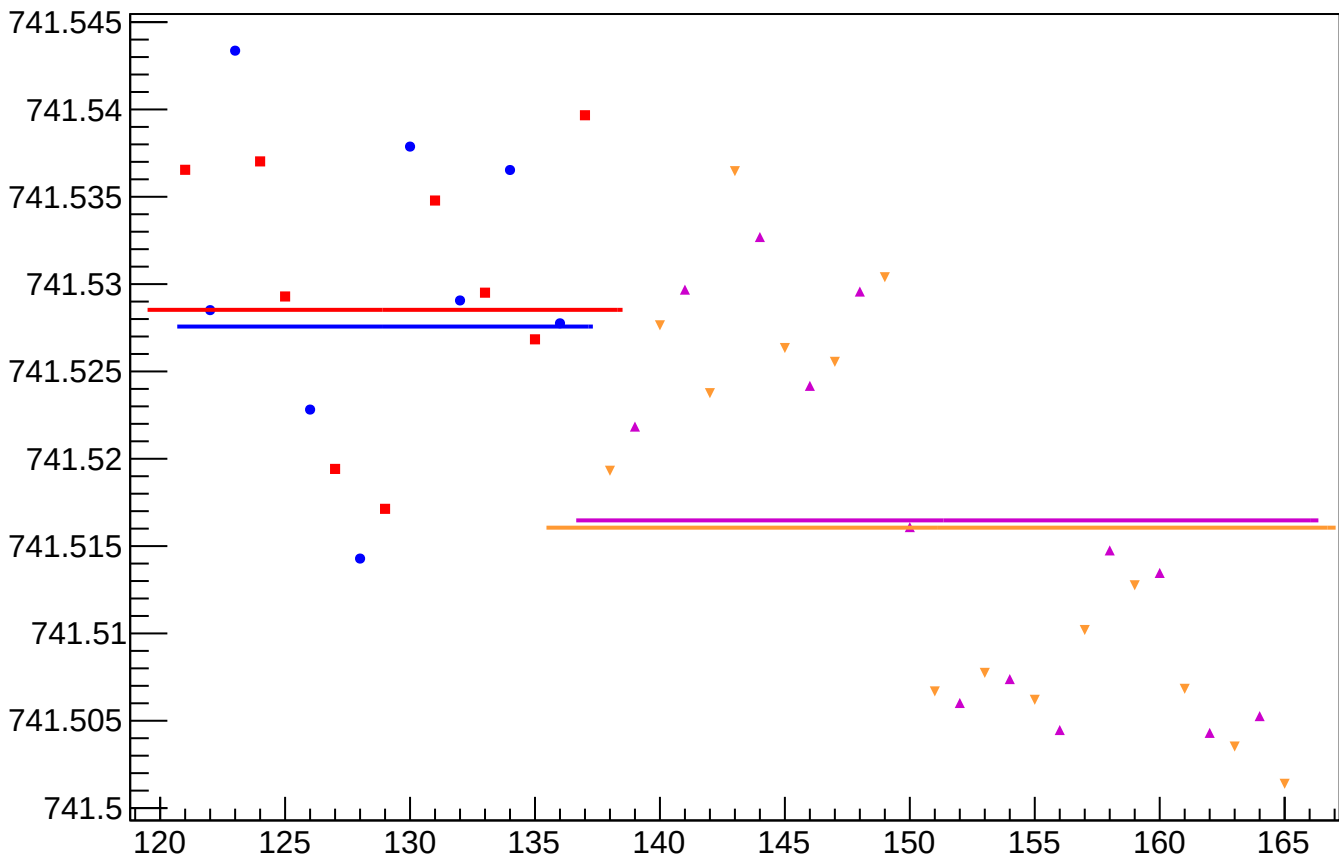
Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.784+/-0.000 χ^2/NDF : 38262199750198184572229919518720.0/14

Right Out: 890.923+/-0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8

Left In: 931.771+/-0.000 χ^2/NDF : 3339793681810209771105256734720.0/12

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528 $\pm$ 0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.516 $\pm$ 0.000 χ^2/NDF : 133094399031645943234702606336.0/14

Right Out: 741.529 $\pm$ 0.000 χ^2/NDF : 16580353917842624420385914880.0/8

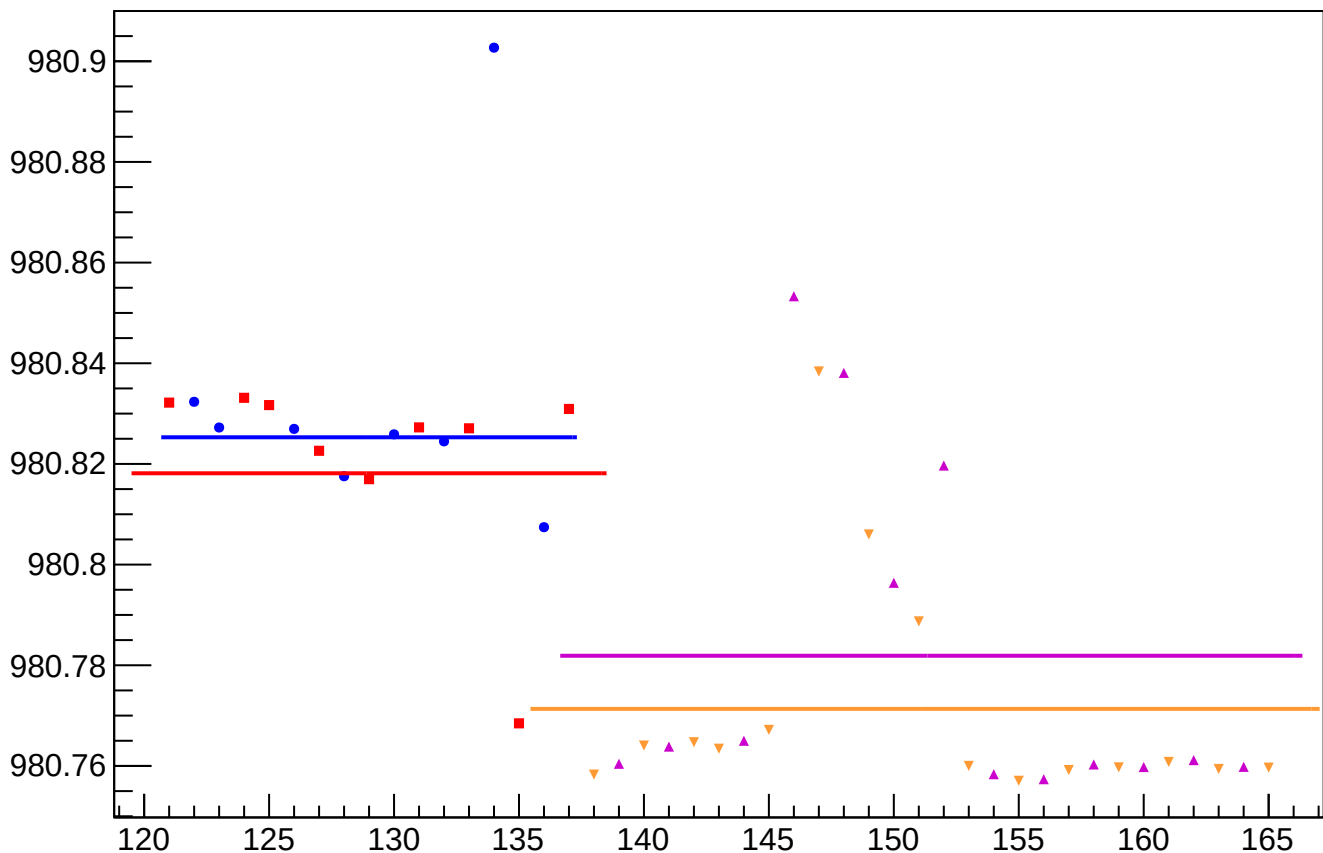
Left In: 741.516 $\pm$ 0.000 χ^2/NDF : 107880392033344386335334465536.0/12

+ sign 741.519 $\pm$ 0.000 χ^2/NDF : 186968049948830

All: 741.519 $\pm$ 0.000 χ^2/NDF : 347331459495

- sign 741.519 $\pm$ 0.000 χ^2/NDF : 160136987559661

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.771+/-0.000 χ^2/NDF : 580359735877457119996347940864.0/14

Right Out: 980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

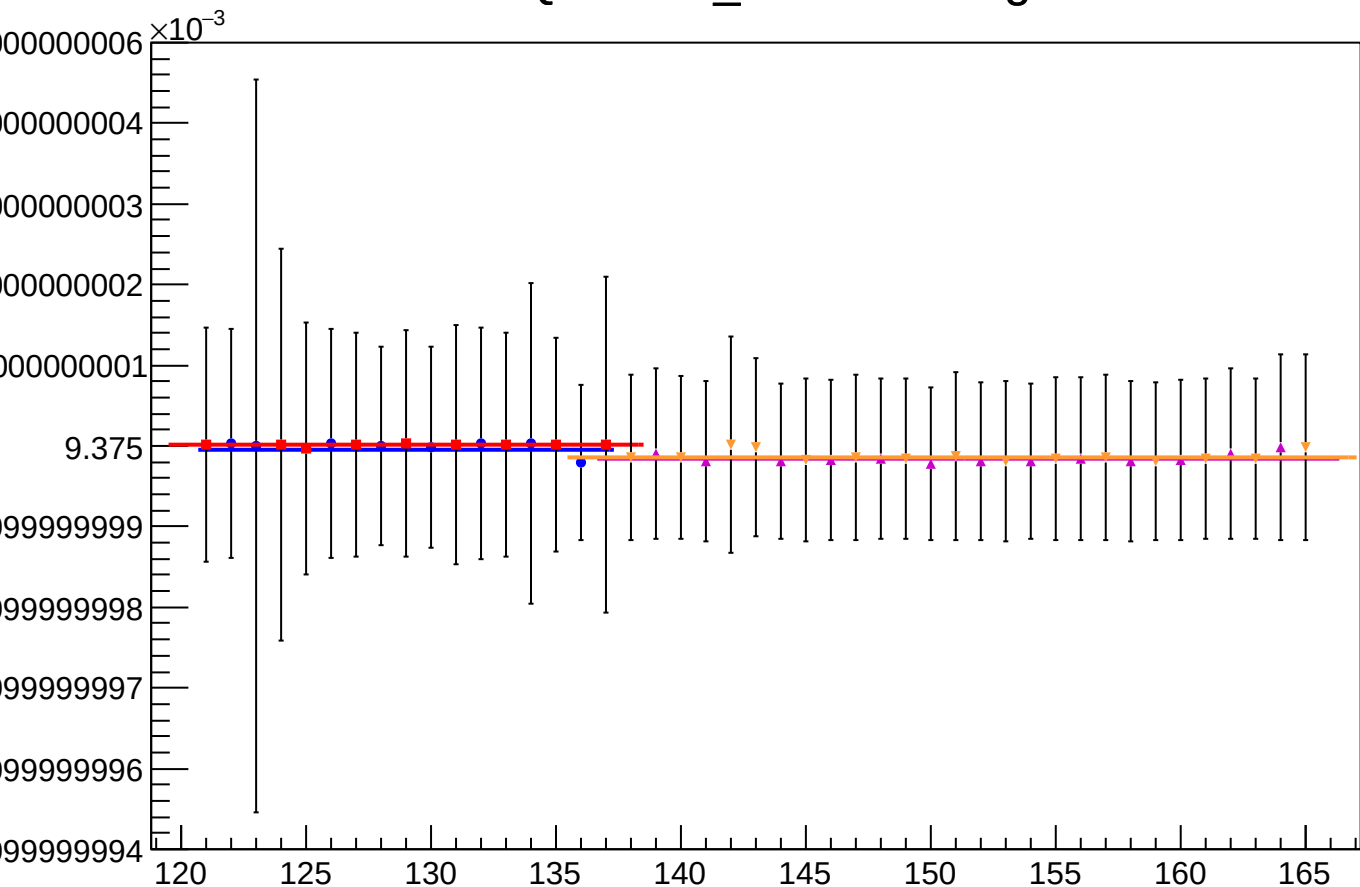
Left In: 980.782+/-0.000 χ^2/NDF : 1158837931650333561932868485120.0/12

+ sign 980.784+/-0.000 χ^2/NDF : 150775921375238

All: 980.787+/-0.000 χ^2/NDF : 316398268095

- sign 980.790+/-0.000 χ^2/NDF : 162520252607399

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: 0.0/14

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

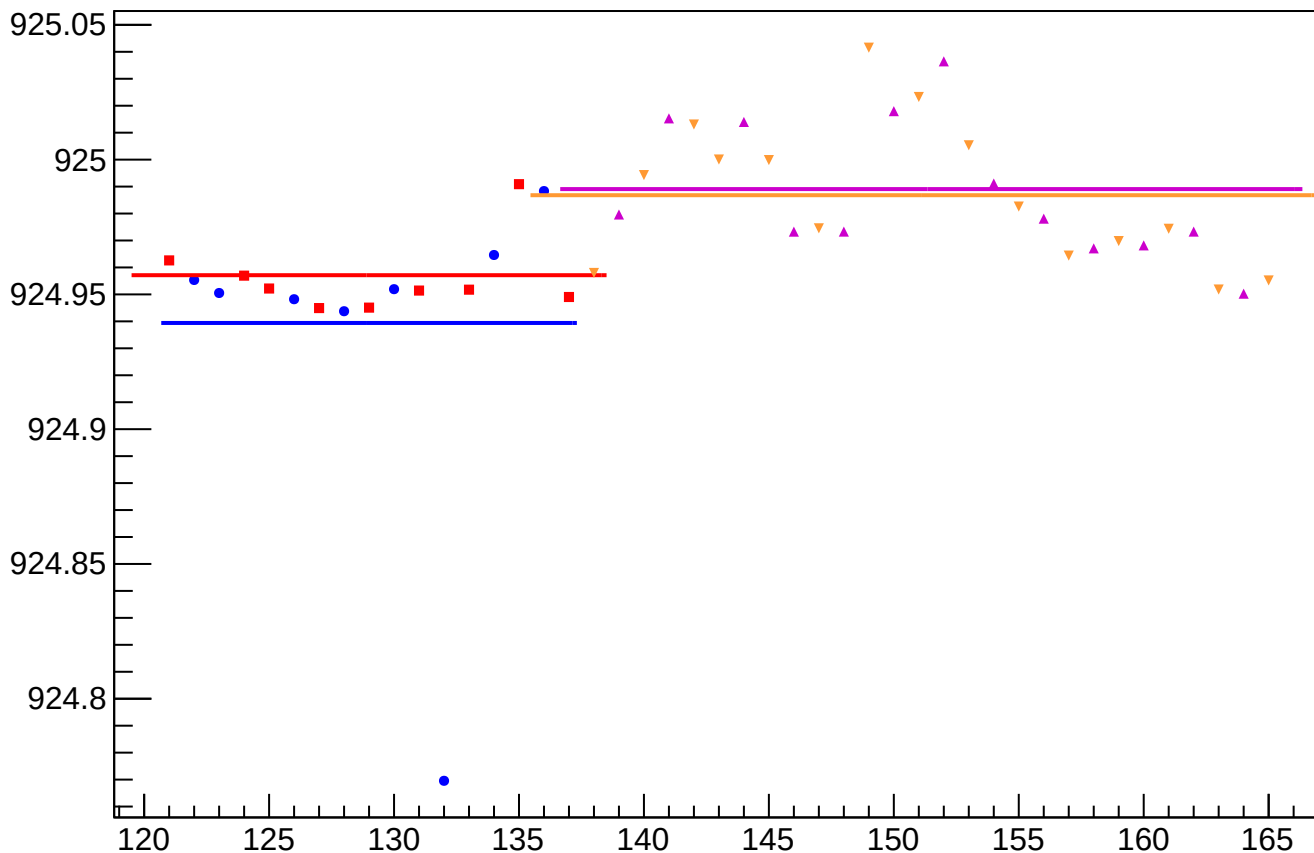
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/12

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/44

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 $\pm$ 0.000

χ^2 /NDF: 1401458495809517406218388242432.0/7

Left Out: 924.987 $\pm$ 0.000

χ^2 /NDF: 765533985745865764349704929280.0/14

Right Out: 924.957 $\pm$ 0.000

χ^2 /NDF: 71808709366506786060310151168.0/8

Left In: 924.989 $\pm$ 0.000

χ^2 /NDF: 632386300836268356458531258368.0/12

+ sign 924.976 $\pm$ 0.000

χ^2 /NDF: 275955015914756

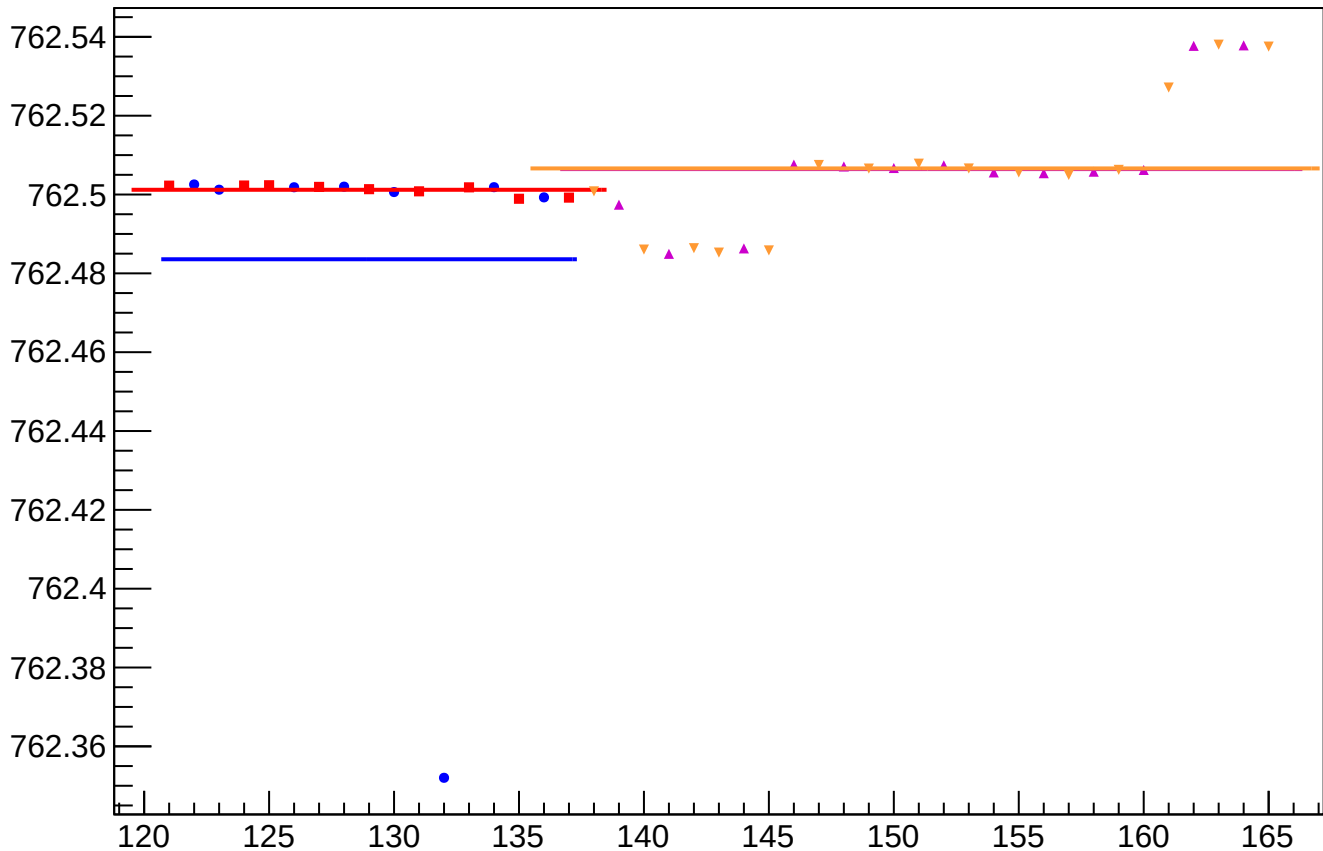
All: 924.979 $\pm$ 0.000

χ^2 /NDF: 37381131795

- sign 924.982 $\pm$ 0.000

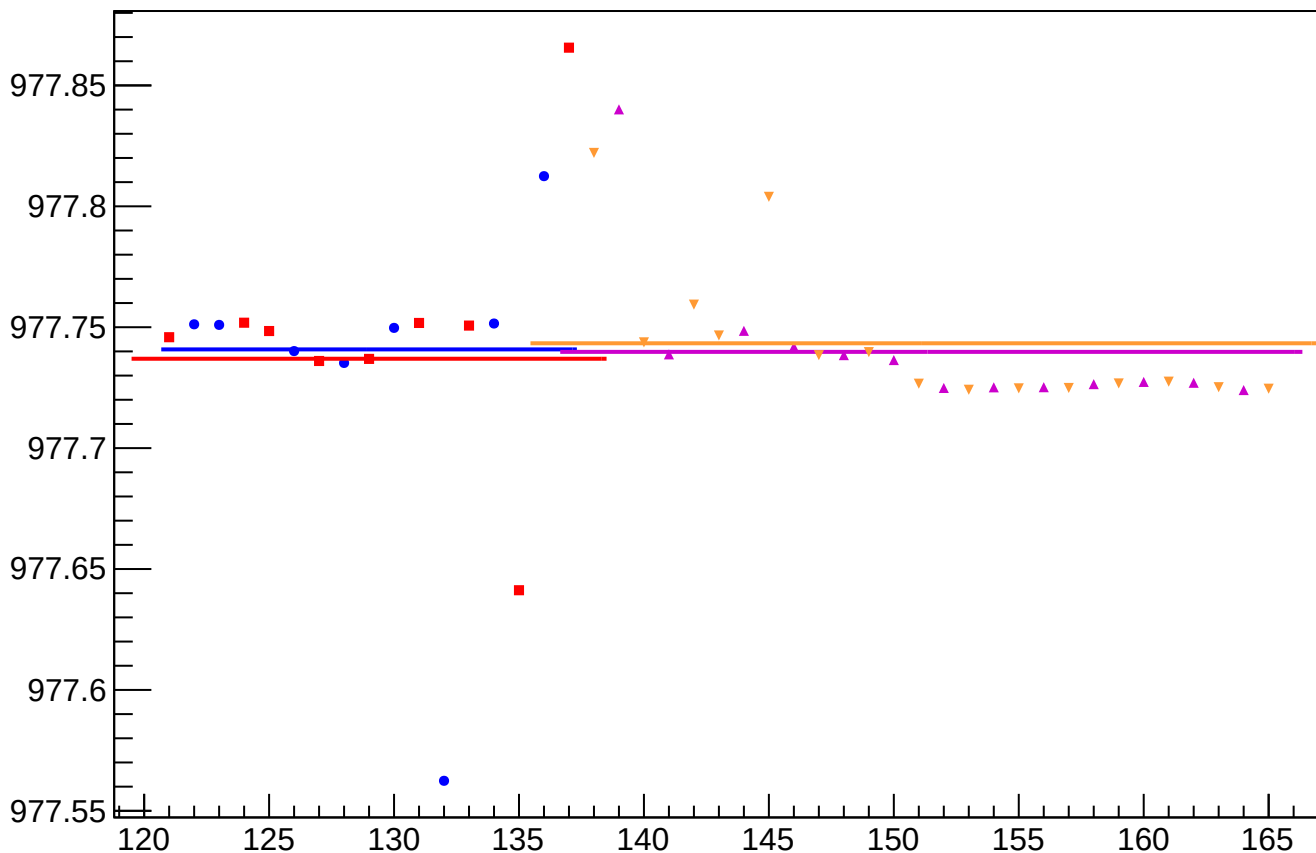
χ^2 /NDF: 954789523869400

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484 $\pm$ 0.000 χ^2 /NDF: 784430761251084401798891438080.0/7
 Left Out: 762.507 $\pm$ 0.000 χ^2 /NDF: 299730013955114234869438218240.0/14
 Right Out: 762.501 $\pm$ 0.000 χ^2 /NDF: 469794702848036819563446272.0/8
 Left In: 762.506 $\pm$ 0.000 χ^2 /NDF: 215201935229639697930519576576.0/12

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.743+/-0.000 χ^2/NDF : 998548891295606874546123046912.0/14

Right Out: 977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

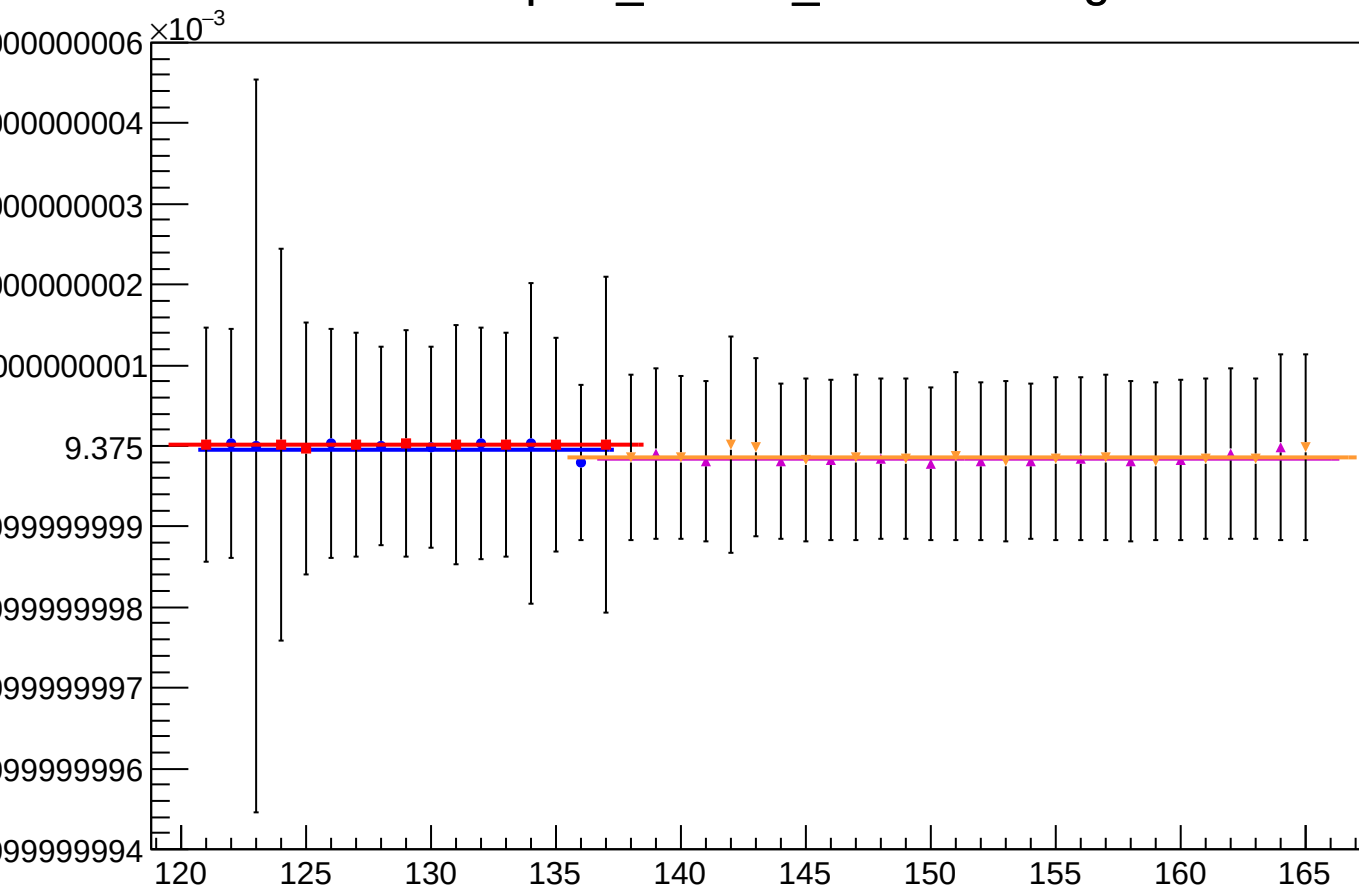
Left In: 977.740+/-0.000 χ^2/NDF : 863753888409015974068611973120.0/12

+ sign 977.743+/-0.000 χ^2/NDF : 273833927607409

All: 977.741+/-0.000 χ^2/NDF : 43858521726

- sign 977.739+/-0.000 χ^2/NDF : 163804903800451

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:0.0/14

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

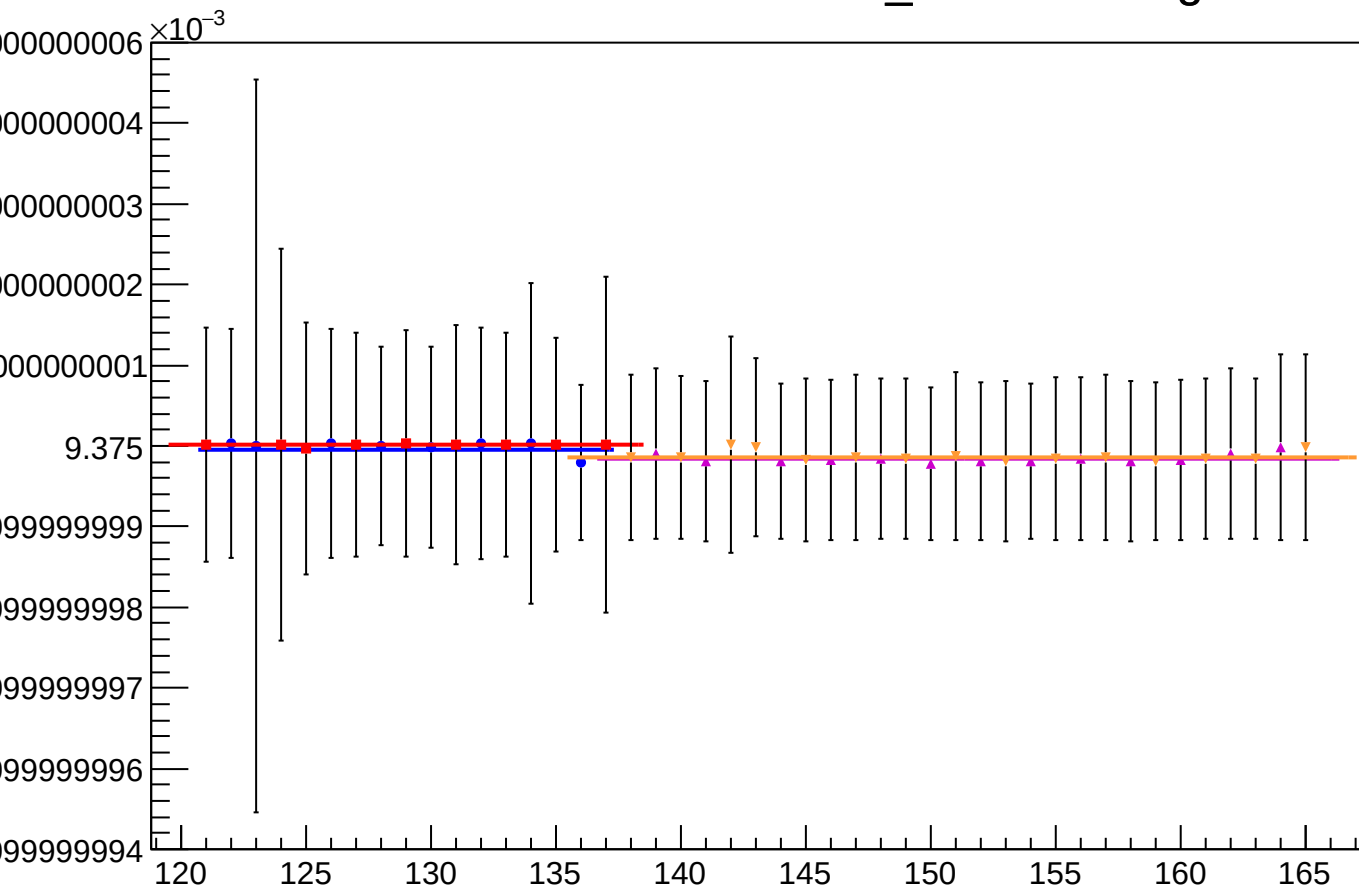
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/12

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/44

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

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: 0.0/14

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

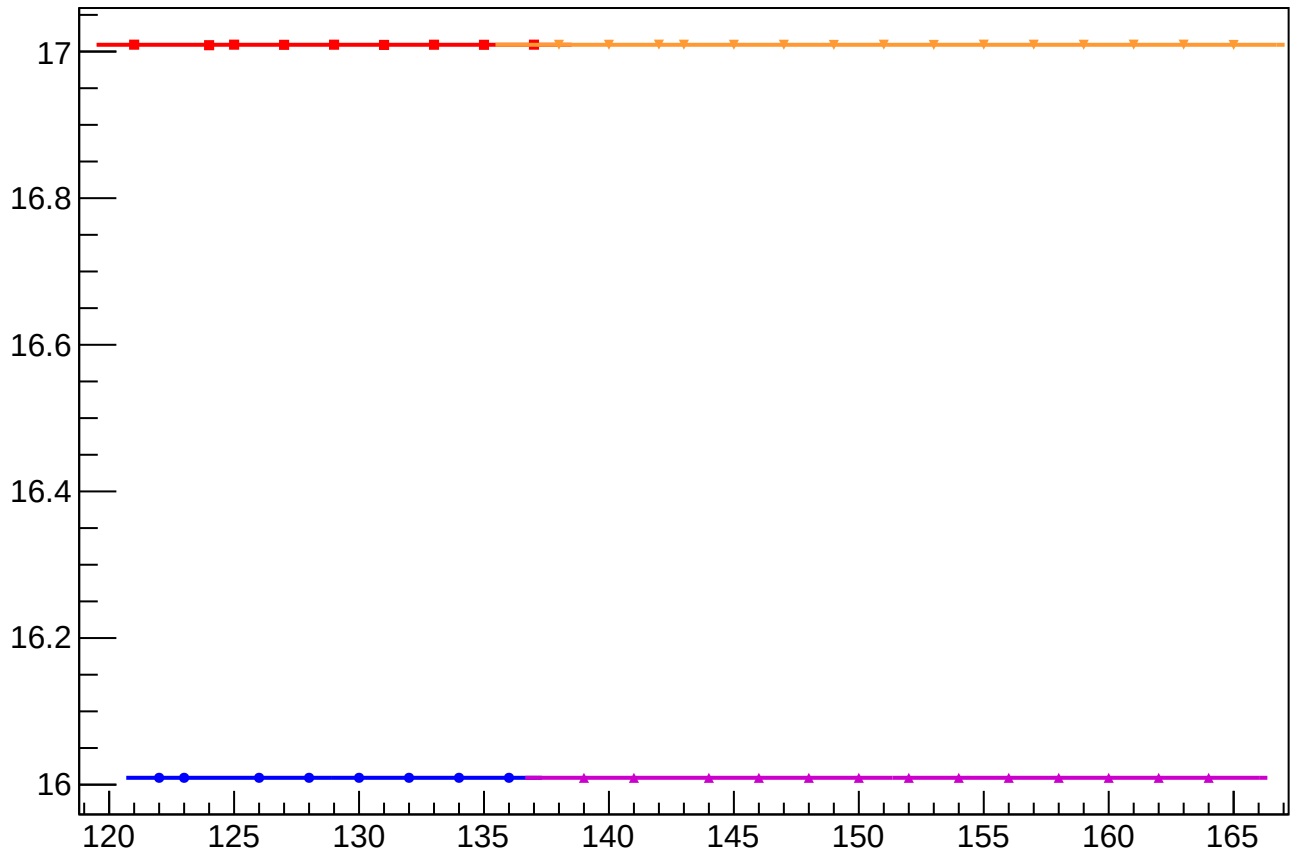
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/12

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/22

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/44

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/21

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: 17853581418386257445126144.0/14

+ sign 16.778 $\pm$ 0.000 χ^2 /NDF: 2428816799236407

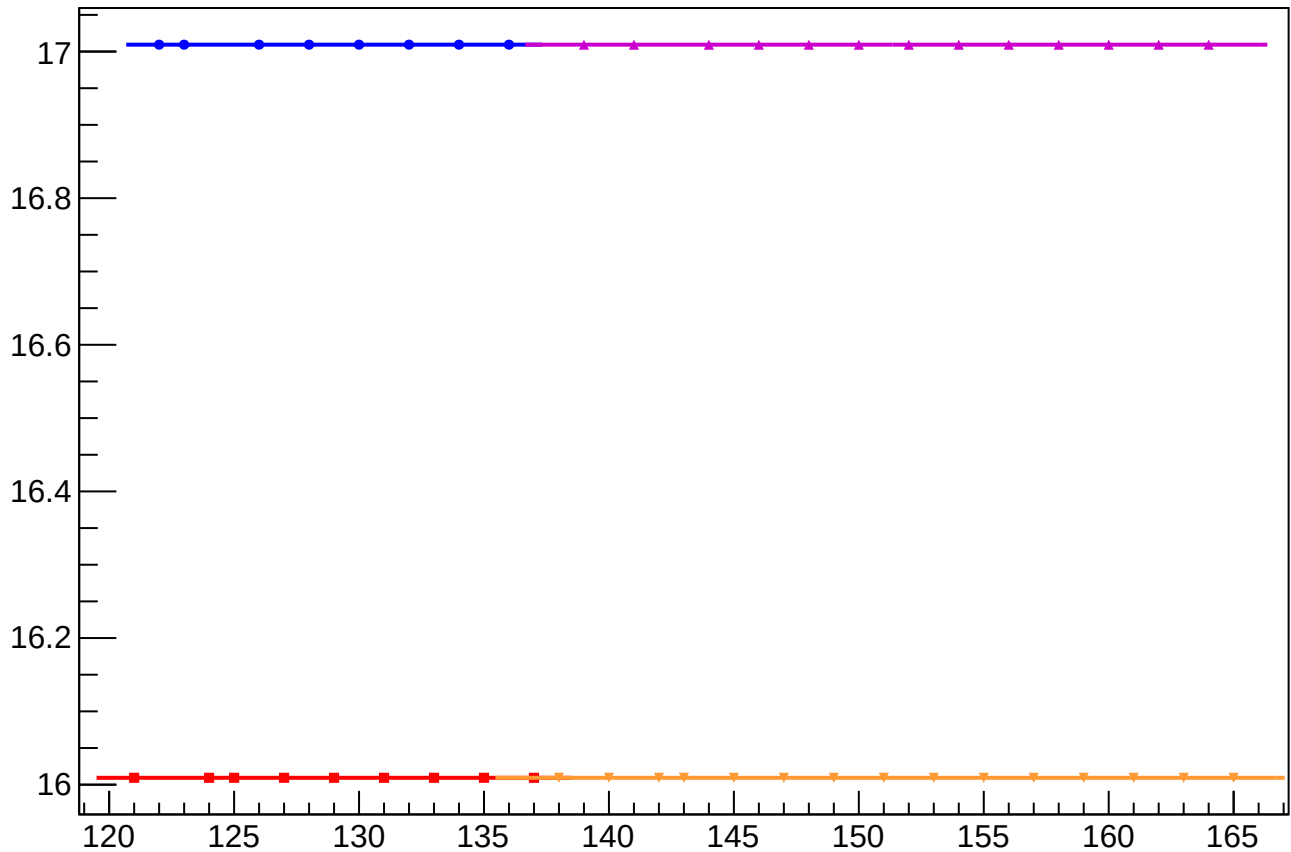
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

All: 16.518 $\pm$ 0.000 χ^2 /NDF: 6643520236722

- sign 16.243 $\pm$ 0.000 χ^2 /NDF: 2313464231247730

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 56861.1/12

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 : 48985.1/14

Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

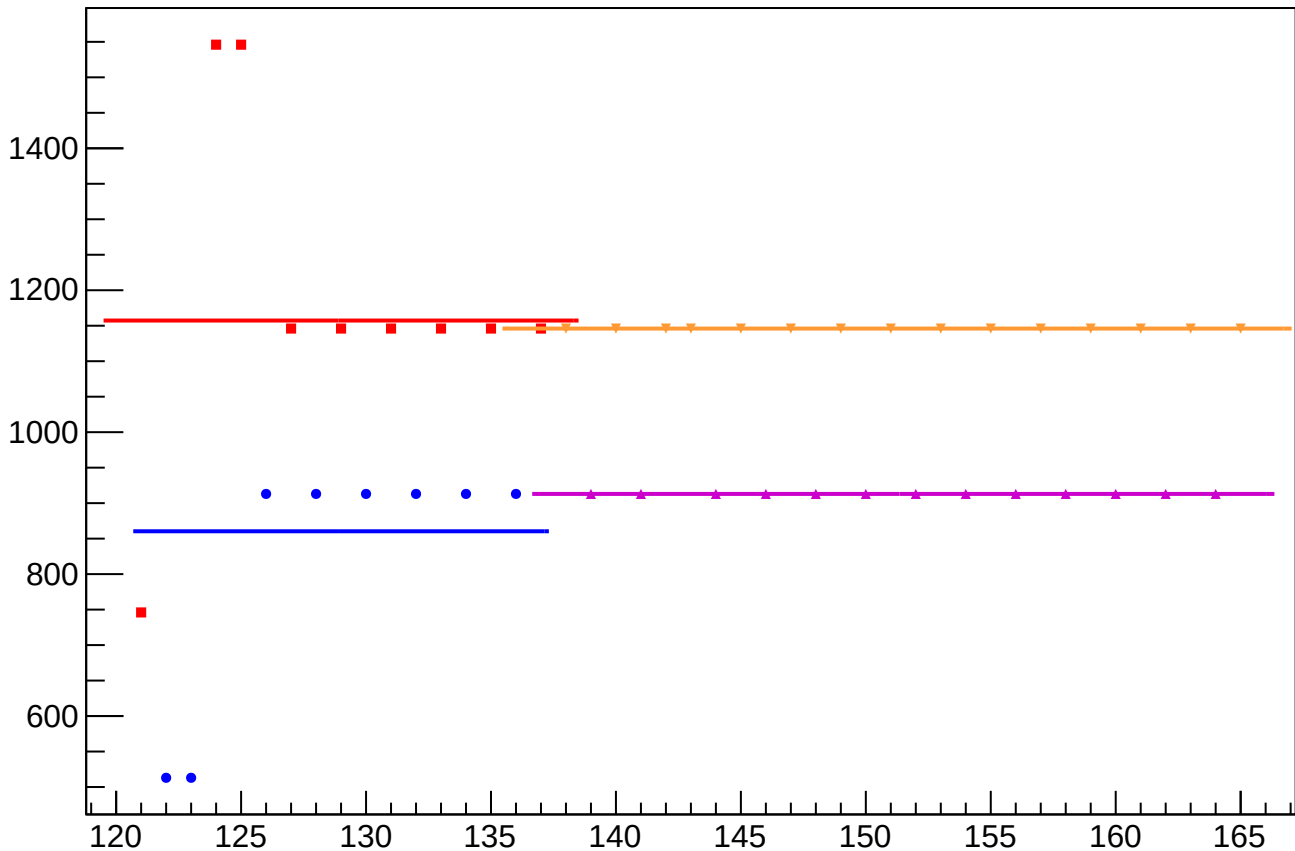
Left In: 17.009+/-0.000 χ^2/NDF : 31302.0/12

+ sign 16.239+/-0.000 χ^2/NDF : 2633951612903181

All: 16.496+/-0.000 χ^2/NDF : 7127304591657

- sign 16.776+/-0.000 χ^2/NDF : 2444498168497946

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 : 3918047324799022754477113344.0/14

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

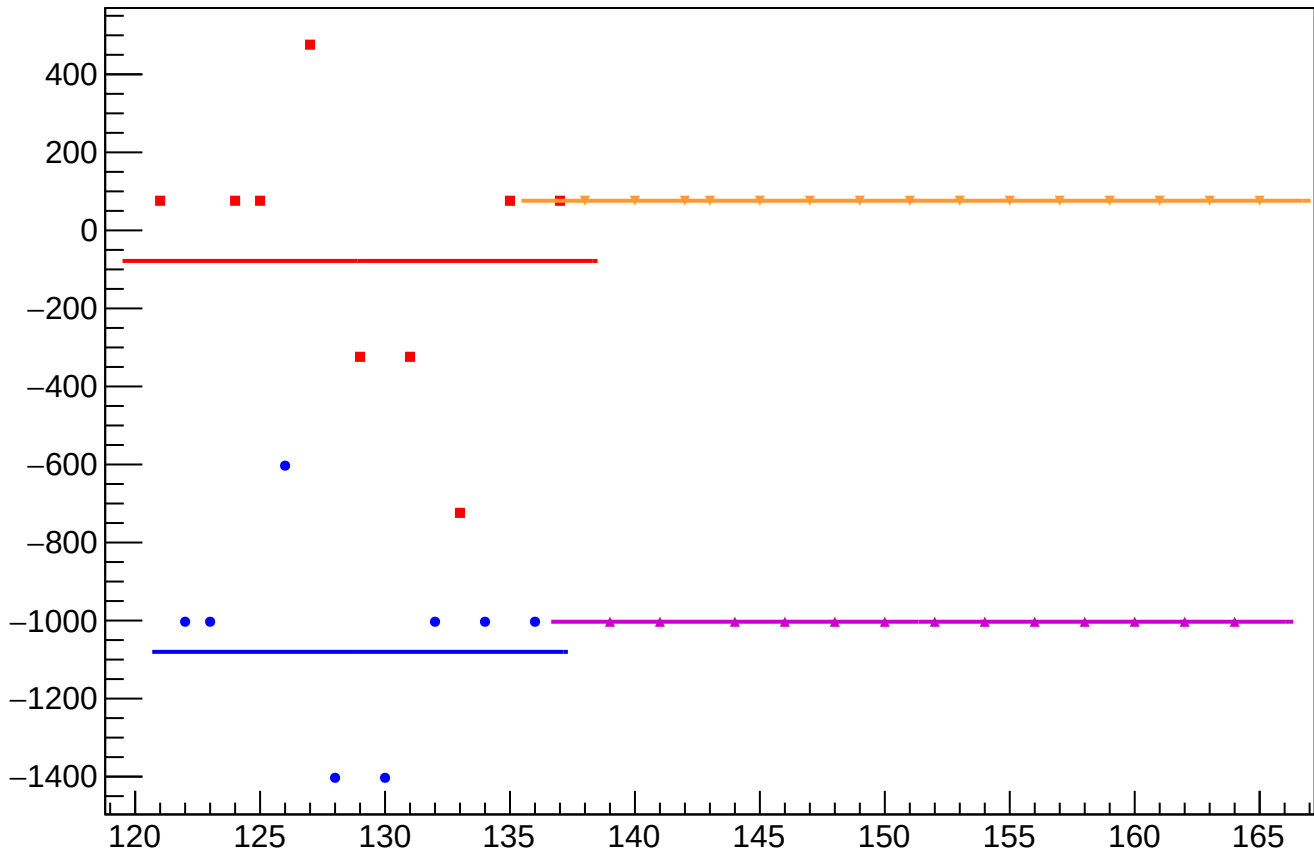
Left In: 912.995+/-0.000 χ^2/NDF : 17126628652444717315885367296.0/12

All: 1027.133+/-0.000 χ^2/NDF : 65245035030

+ sign 1080.709+/-0.000 χ^2/NDF : 27779019093137

- sign 969.263+/-0.000 χ^2/NDF : 285337040645017

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 : 9014254262183120005899485184.0/14
 Right Out: -78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: -1002.990+/-0.000 χ^2/NDF : 1391870443526787827517882368.0/12