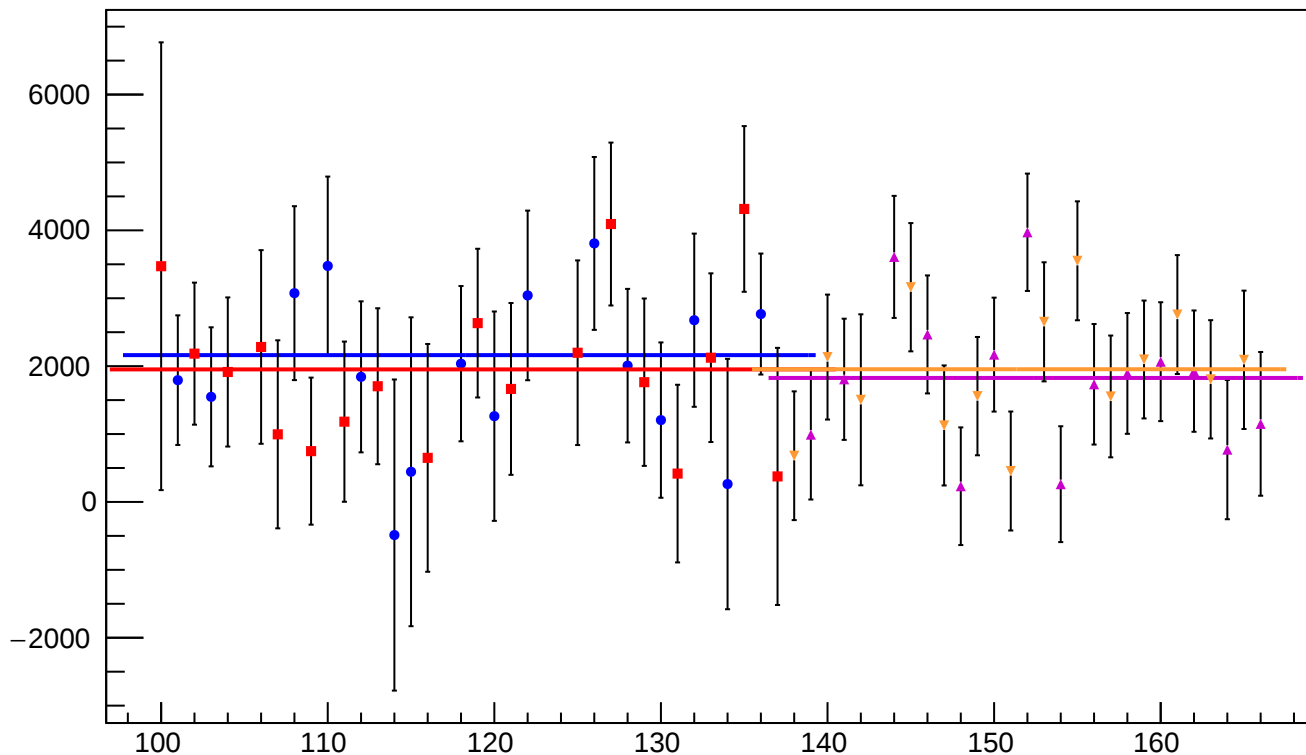


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

Left Out: 1954.486+/-244.673

Right Out: 1952.148+/-300.581

Left In: 1826.258+/-240.338

χ^2/NDF : 8.9/15

χ^2/NDF : 12.7/13

χ^2/NDF : 12.6/17

χ^2/NDF : 19.9/13

Left: 1889.226+/-171.457

Right: 2054.903+/-214.883

In: 1953.793+/-189.317

Out: 1953.554+/-189.755

All: 1953.674+/-134.022

χ^2/NDF : 32.7/27

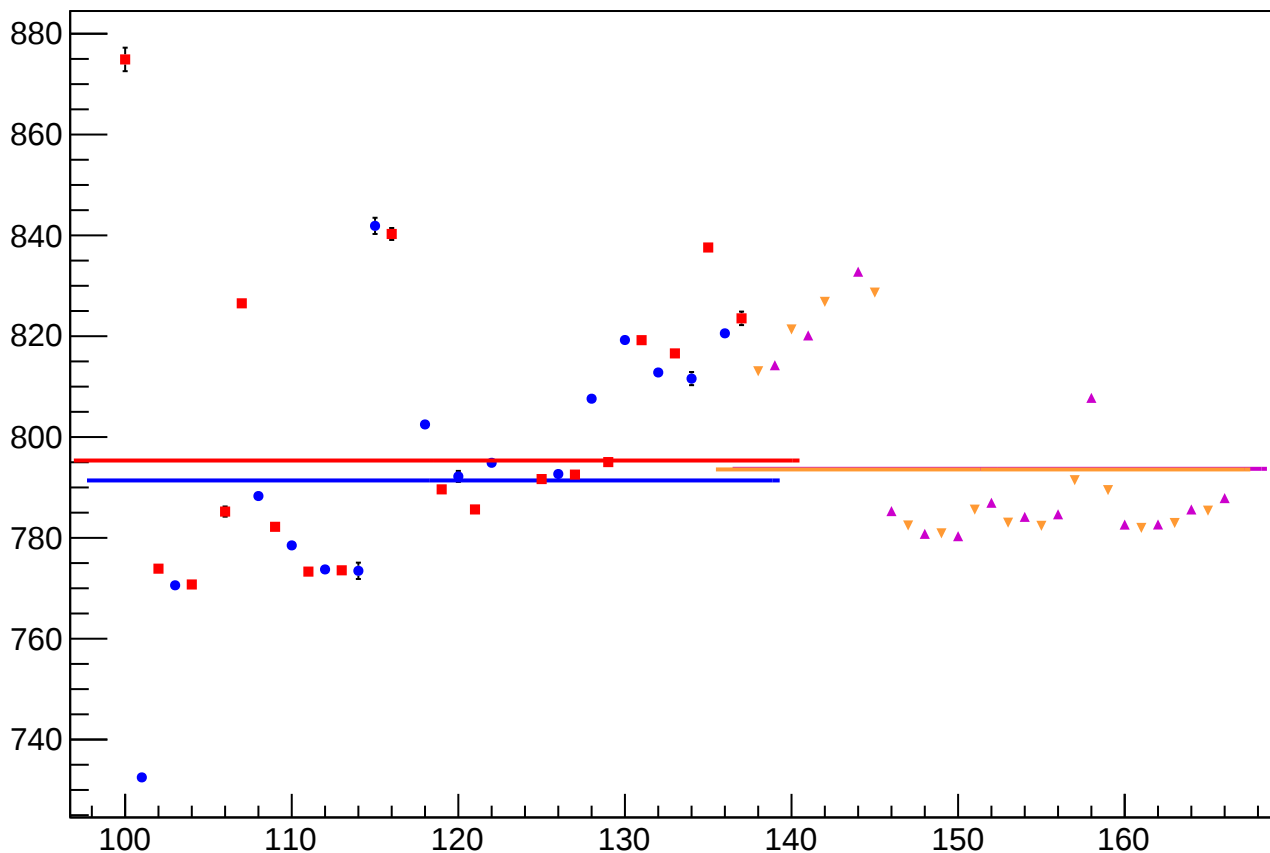
χ^2/NDF : 21.8/33

χ^2/NDF : 29.6/29

χ^2/NDF : 25.3/31

χ^2/NDF : 54.9/61

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 793.574 $\pm$ 0.173 χ^2 /NDF: 9170.8/13

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

Left In: 793.698 $\pm$ 0.170 χ^2 /NDF: 9489.9/13

Left: 793.638 $\pm$ 0.121 χ^2 /NDF: 18661.0/27

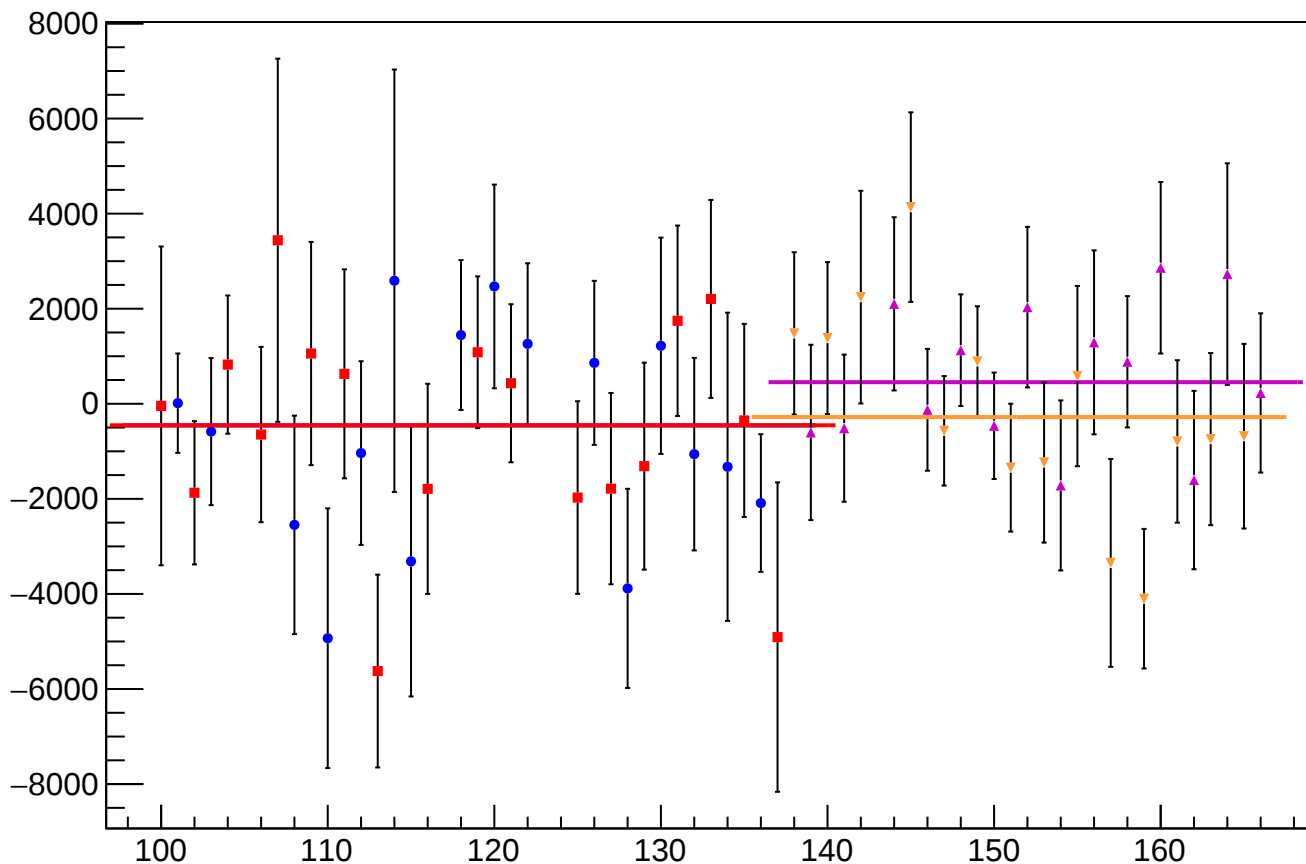
Right: 793.411 $\pm$ 0.152 χ^2 /NDF: 26737.3/33

In: 792.823 $\pm$ 0.134 χ^2 /NDF: 24568.2/29

Out: 794.280 $\pm$ 0.134 χ^2 /NDF: 20772.4/31

All: 793.549 $\pm$ 0.095 χ^2 /NDF: 45399.7/61

asym_us_avg_correction_mean vs Slug, Sign Corrected



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: 454.279+/-417.685 χ^2/NDF : 9.3/13

Left: 96.565+/-299.021 χ^2/NDF : 30.3/27

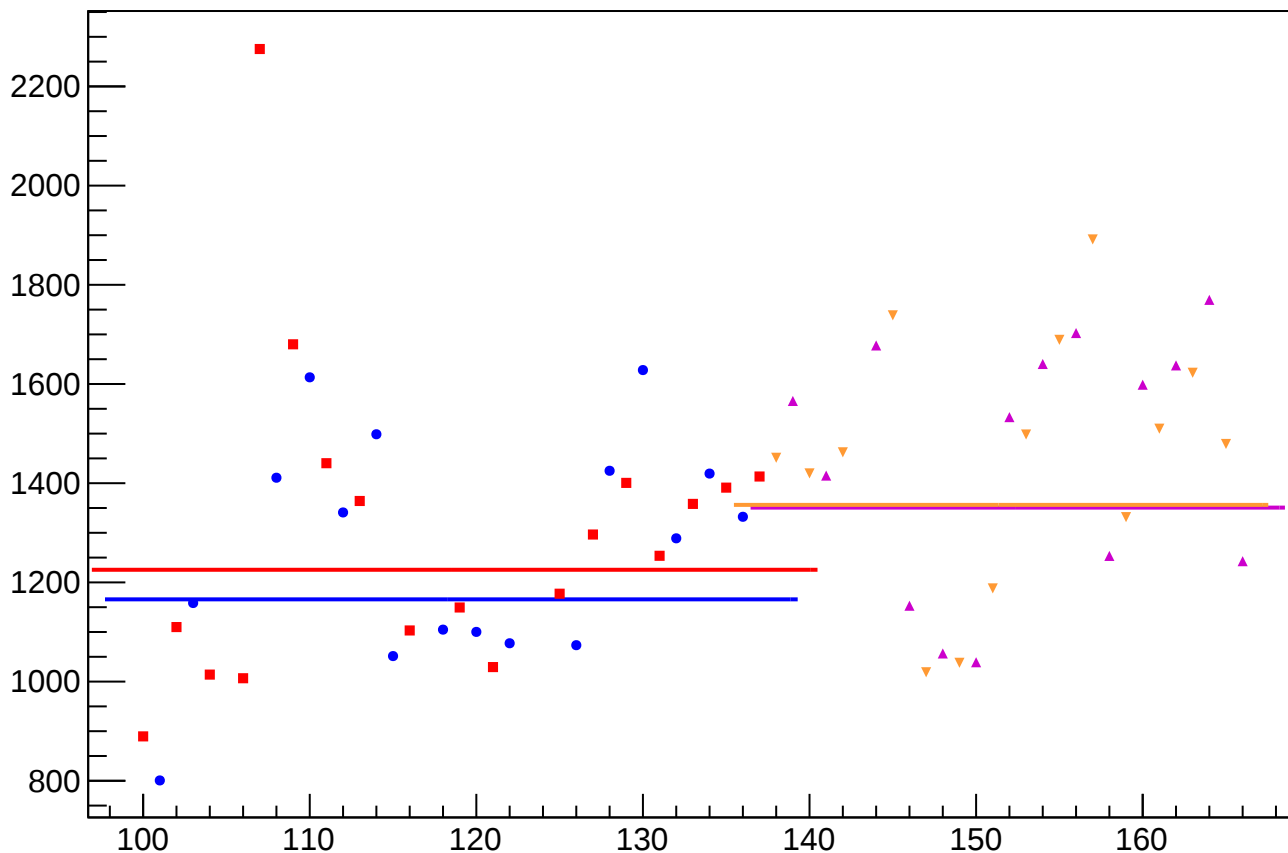
Right: -454.187+/-331.236 χ^2/NDF : 32.2/33

In: 47.195+/-310.504 χ^2/NDF : 26.3/29

Out: -357.553+/-317.400 χ^2/NDF : 36.9/31

All: -150.734+/-221.958 χ^2/NDF : 64.0/61

asym_us_avg_correction_rms vs Slug, Sign Corrected



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: 1350.785 $\pm$ 0.295 χ^2 /NDF: 732716.9/13

Left: 1353.469 $\pm$ 0.211 χ^2 /NDF: 1437654.5/27

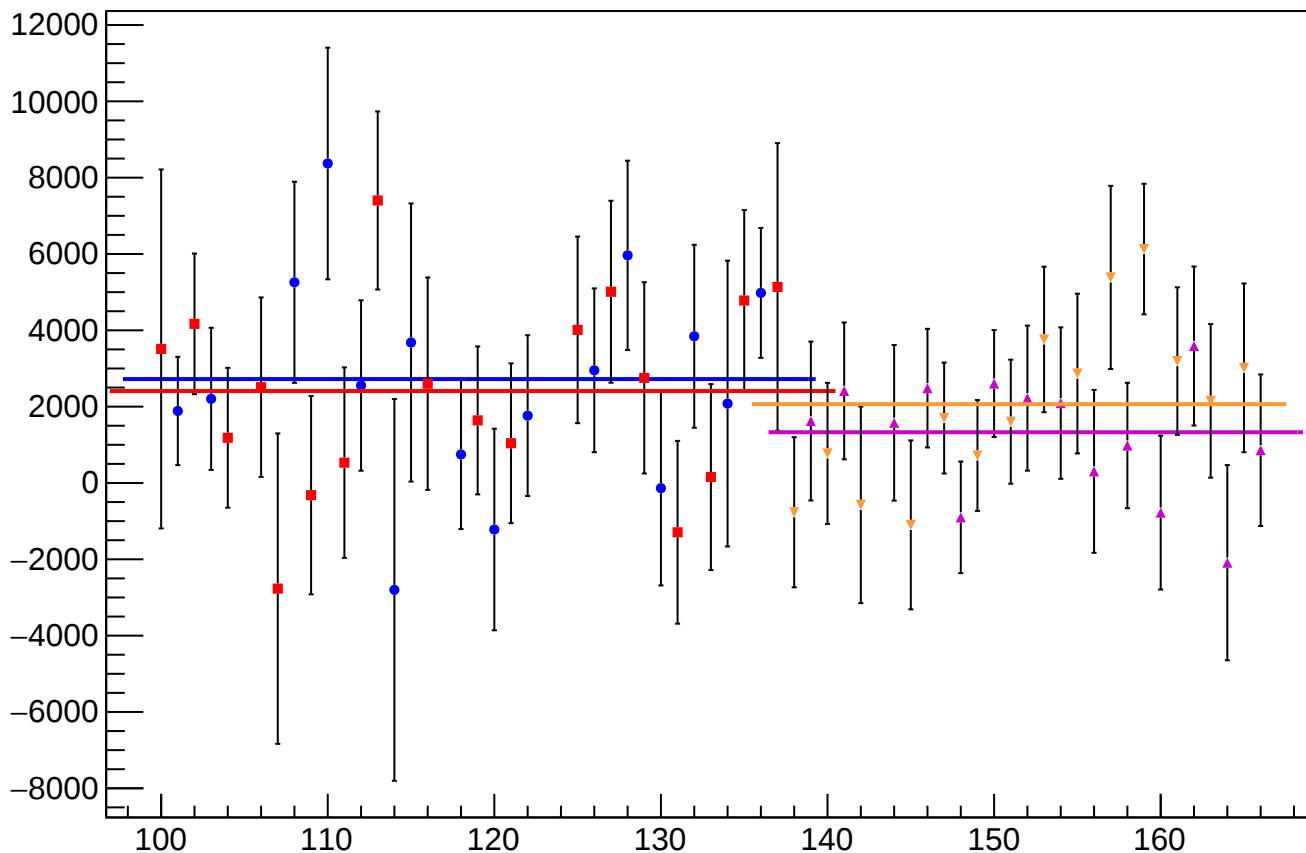
Right: 1195.087 $\pm$ 0.234 χ^2 /NDF: 983424.3/33

In: 1268.034 $\pm$ 0.220 χ^2 /NDF: 1434991.8/29

Out: 1297.314 $\pm$ 0.224 χ^2 /NDF: 1229332.8/31

All: 1282.353 $\pm$ 0.157 χ^2 /NDF: 2673021.8/63

asym_us_avg_mean vs Slug, Sign Corrected



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: 1328.931 $\pm$ 489.261 χ^2 /NDF: 8.9/13

Left: 1687.517 $\pm$ 350.304 χ^2 /NDF: 25.6/27

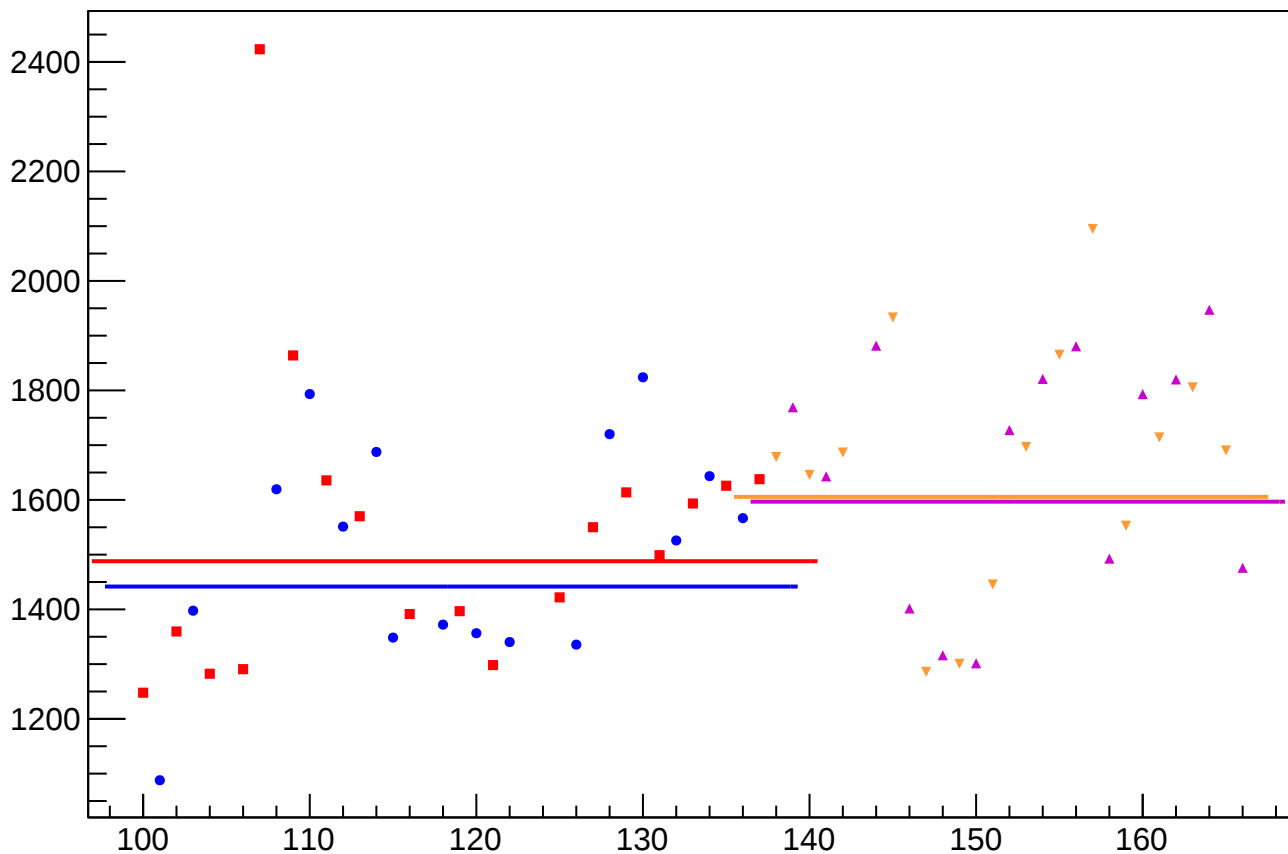
Right: 2565.881 $\pm$ 401.681 χ^2 /NDF: 31.0/33

In: 1923.437 $\pm$ 370.463 χ^2 /NDF: 26.9/29

Out: 2215.088 $\pm$ 376.342 χ^2 /NDF: 32.2/31

All: 2066.966 $\pm$ 264.011 χ^2 /NDF: 59.4/61

asym_us_avg_rms vs Slug, Sign Corrected



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: 1596.768+/-0.346 χ^2/NDF : 413588.2/13

Left: 1601.056+/-0.248 χ^2/NDF : 817237.3/27

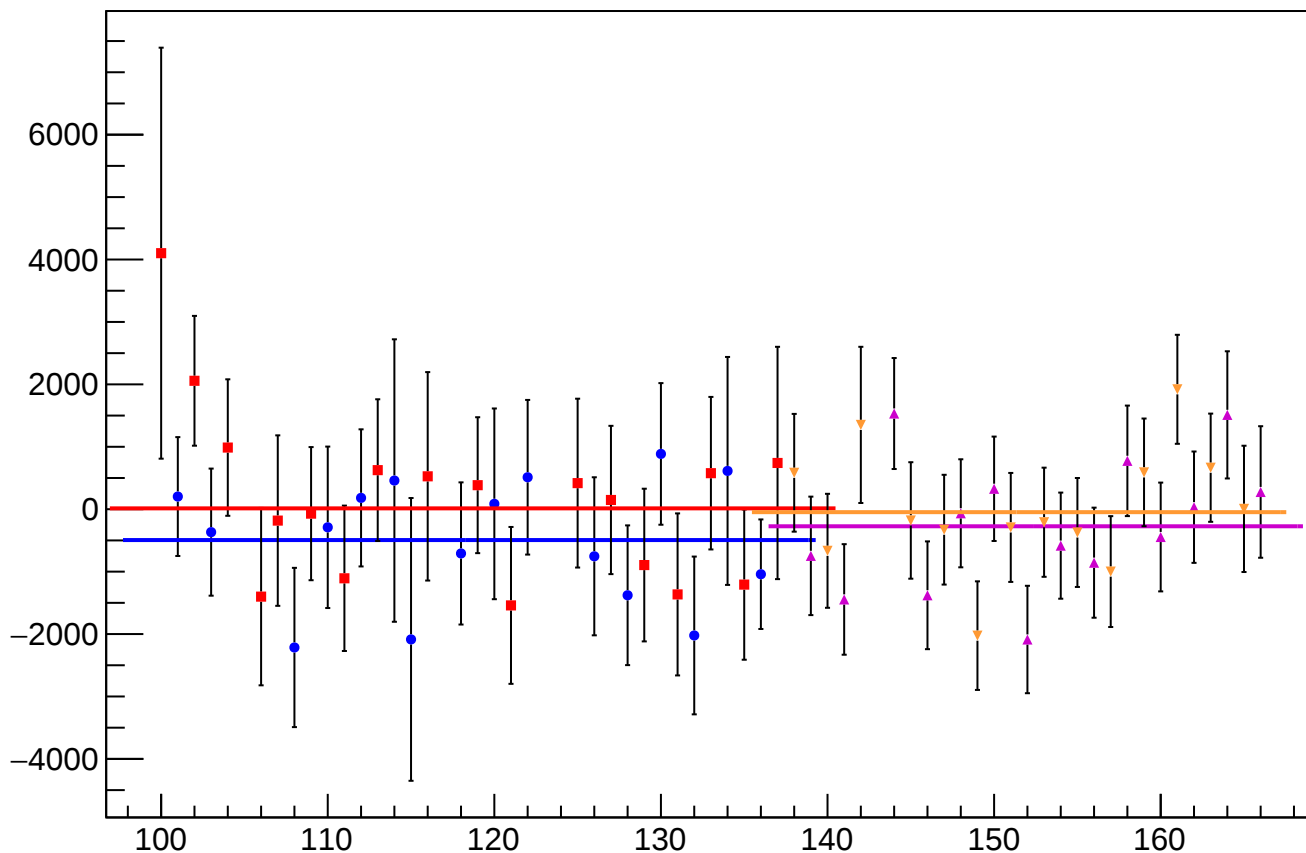
Right: 1464.799+/-0.284 χ^2/NDF : 538687.7/33

In: 1530.615+/-0.262 χ^2/NDF : 775188.6/29

Out: 1554.143+/-0.266 χ^2/NDF : 707485.7/31

All: 1542.193+/-0.187 χ^2/NDF : 1486644.3/63

reg_asym_us_dd_mean vs Slug, Sign Corrected



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: -273.493 ± 239.086 χ^2/NDF : 18.3/13

Left: -162.347 ± 170.534 χ^2/NDF : 33.9/27

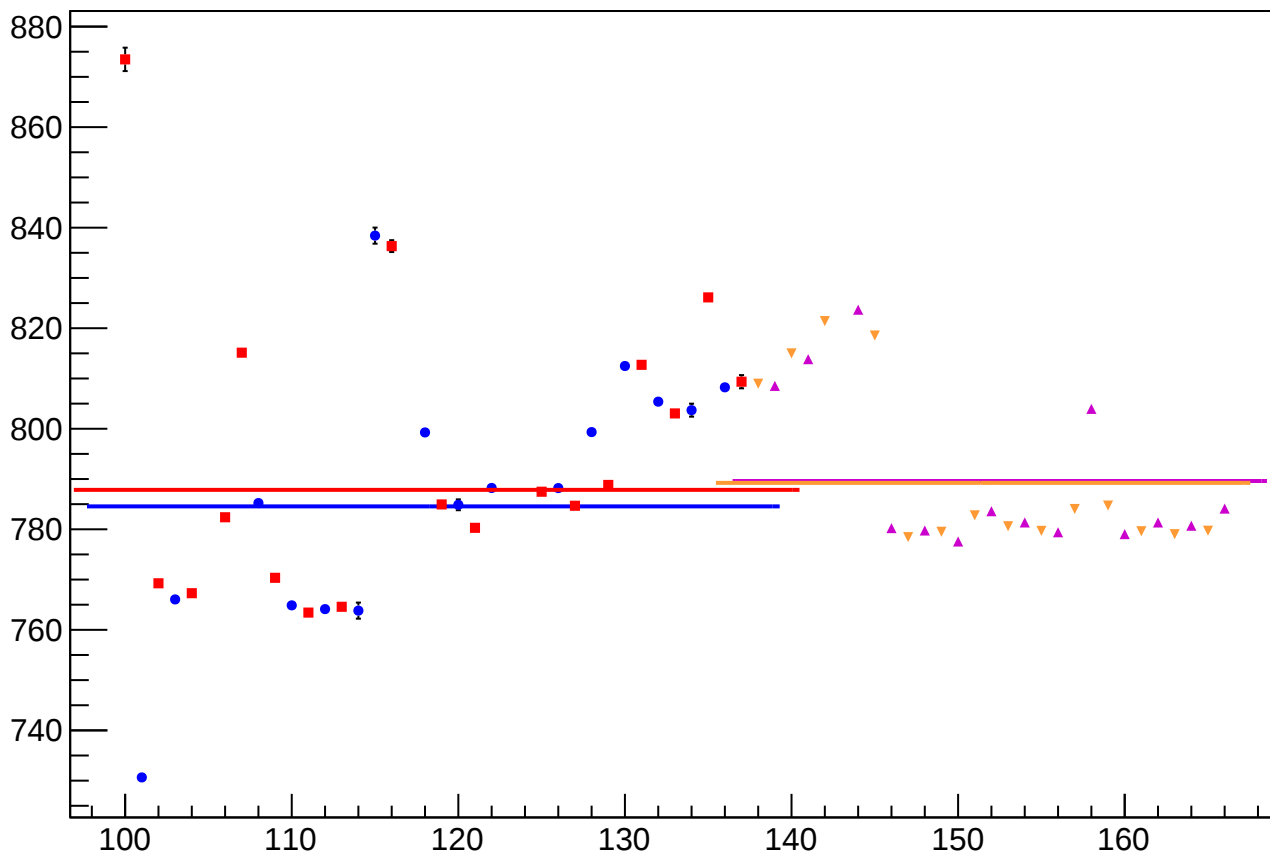
Right: -234.534 ± 212.932 χ^2/NDF : 23.4/33

In: -357.626 ± 188.081 χ^2/NDF : 27.2/29

Out: -22.911 ± 188.404 χ^2/NDF : 28.5/31

All: -190.556 ± 133.107 χ^2/NDF : 57.3/61

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 784.558 ± 0.215 $\chi^2/\text{NDF}: 13677.7/15$

Left Out: 789.236 ± 0.172 $\chi^2/\text{NDF}: 7678.3/13$

Right Out: 787.844 ± 0.211 $\chi^2/\text{NDF}: 10909.0/17$

Left In: 789.608 ± 0.169 $\chi^2/\text{NDF}: 7891.5/13$

Left: 789.425 ± 0.121 $\chi^2/\text{NDF}: 15572.2/27$

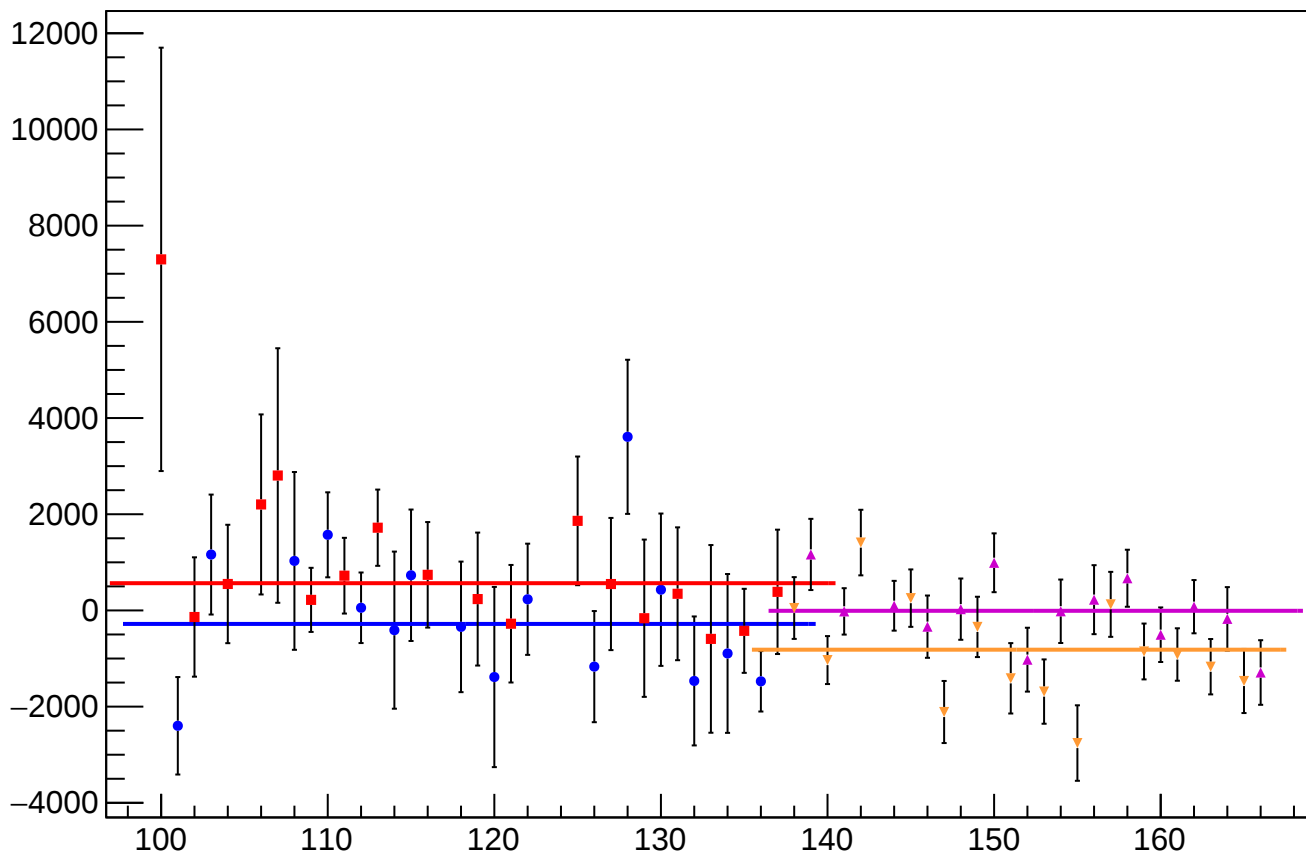
Right: 786.239 ± 0.151 $\chi^2/\text{NDF}: 24705.7/33$

In: 787.683 ± 0.133 $\chi^2/\text{NDF}: 21909.2/29$

Out: 788.679 ± 0.133 $\chi^2/\text{NDF}: 18613.6/31$

All: 788.180 ± 0.094 $\chi^2/\text{NDF}: 40550.8/61$

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -816.225 $\pm$ 166.962 χ^2 /NDF:32.3/13

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

Left In: -7.790 $\pm$ 163.033 χ^2 /NDF:13.7/13

Left: -402.383 $\pm$ 116.646 χ^2 /NDF: 58.0/27

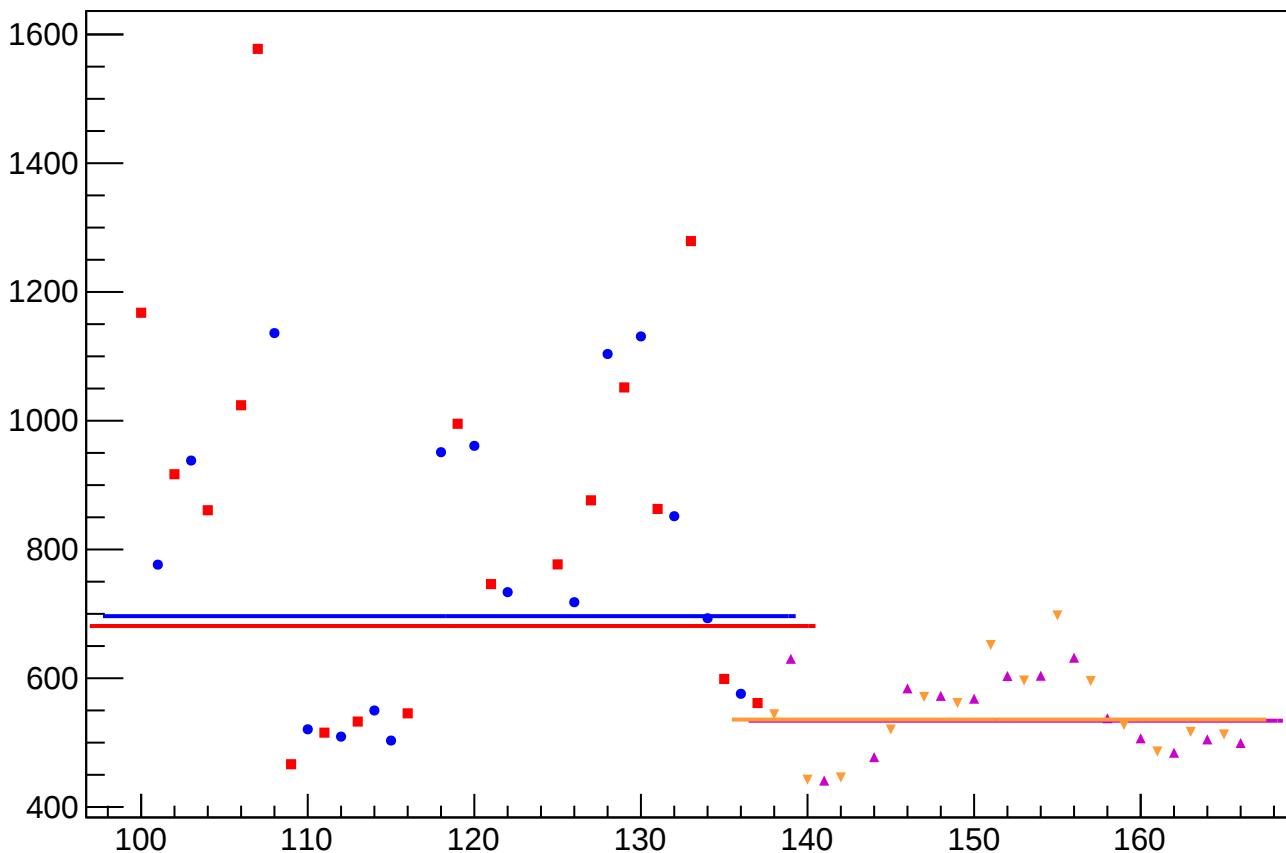
Right: 157.456 $\pm$ 196.270 χ^2 /NDF: 37.7/33

In: -75.957 $\pm$ 141.205 χ^2 /NDF:37.6/29

Out: -439.667 $\pm$ 142.419 χ^2 /NDF:60.9/31

All: -256.256 $\pm$ 100.274 χ^2 /NDF: 101.8/61

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 535.819 $\pm$ 0.118 χ^2 /NDF: 304618.6/13

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

Left In: 534.051 $\pm$ 0.115 χ^2 /NDF: 269344.7/13

Left: 534.914 $\pm$ 0.082 χ^2 /NDF: 574078.0/27

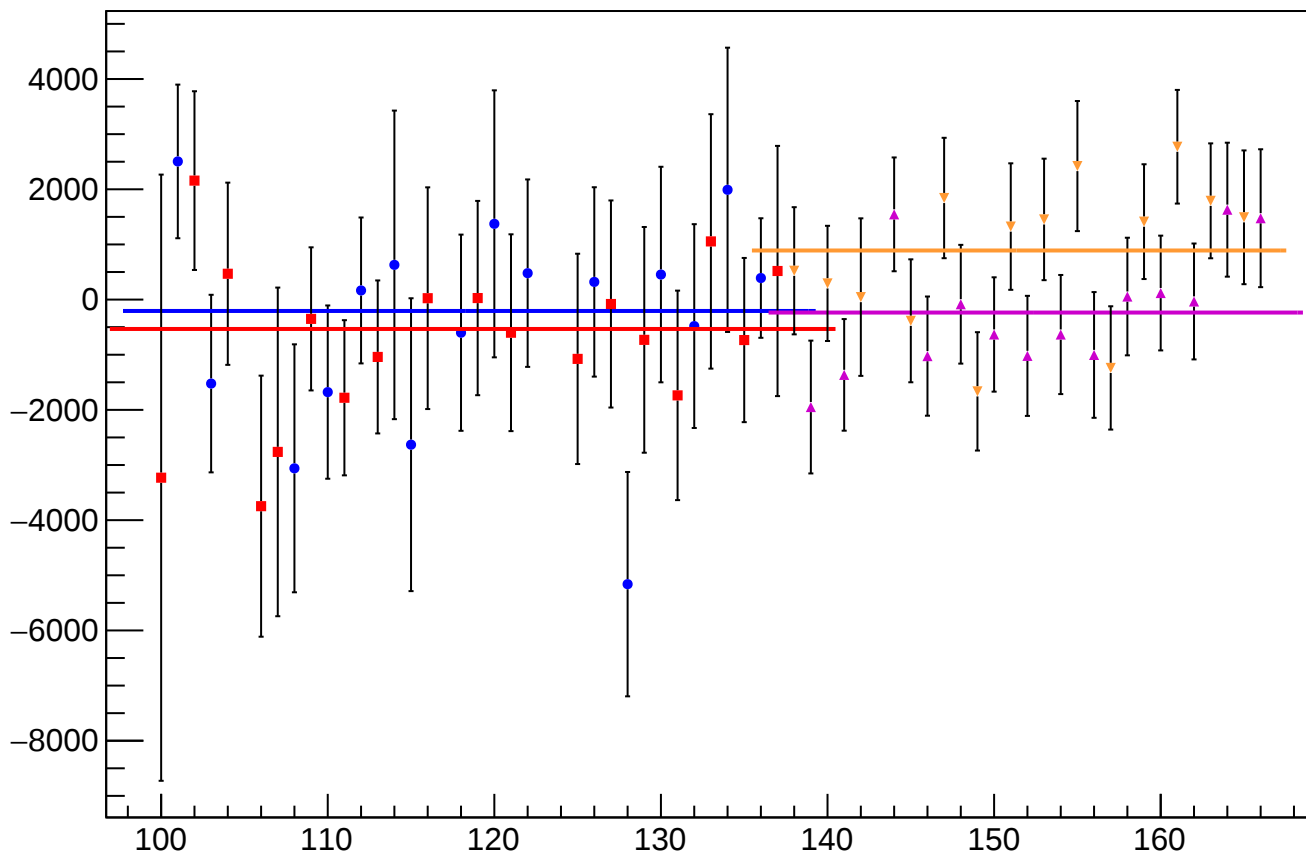
Right: 688.529 $\pm$ 0.139 χ^2 /NDF: 2315094.2/33

In: 574.628 $\pm$ 0.100 χ^2 /NDF: 1724711.2/29

Out: 575.399 $\pm$ 0.101 χ^2 /NDF: 2069799.2/31

All: 575.010 $\pm$ 0.071 χ^2 /NDF: 3794539.9/61

asym_us_dd_mean vs Slug, Sign Corrected



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: -235.245 ± 291.739 χ^2/NDF : 12.5/13

Left: 315.047 ± 208.569 χ^2/NDF : 38.6/27

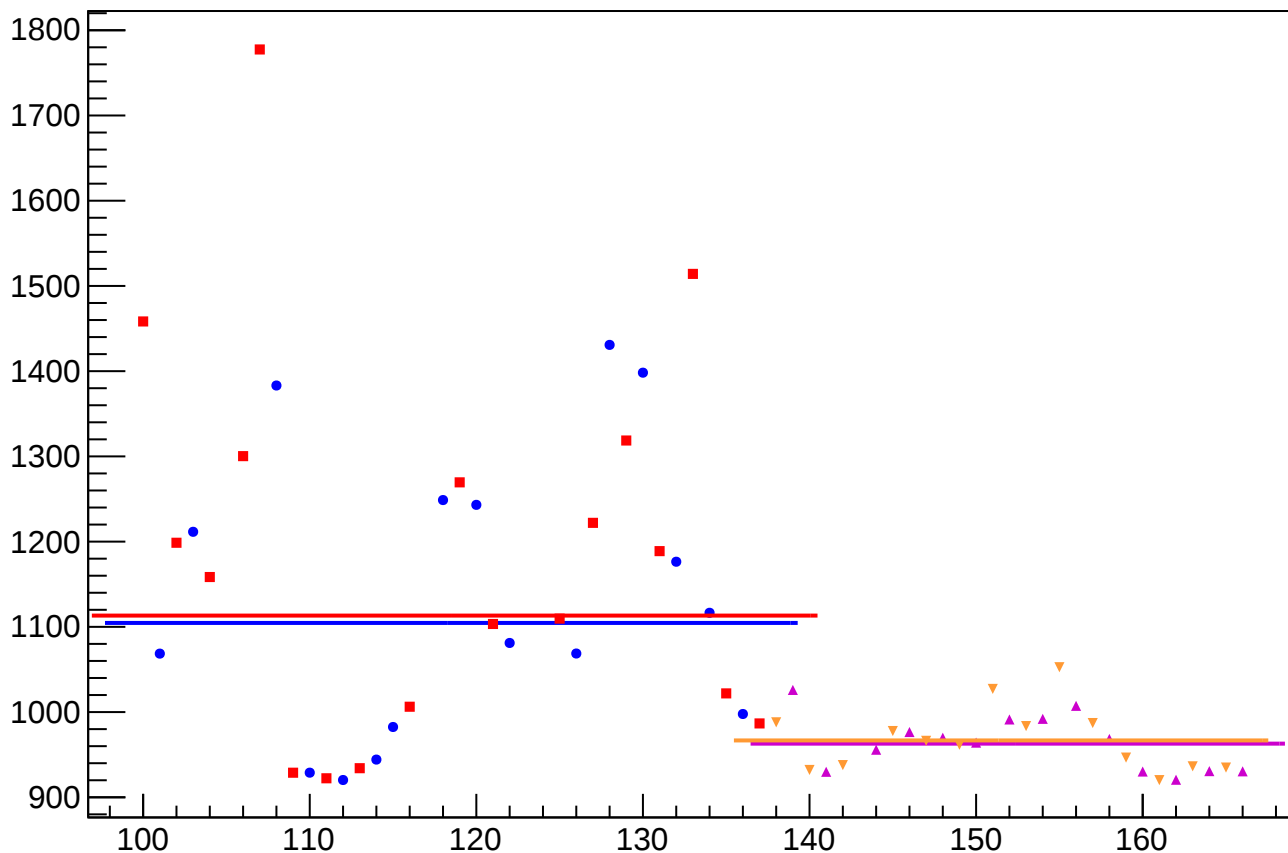
Right: -372.131 ± 304.348 χ^2/NDF : 24.2/33

In: -226.257 ± 242.081 χ^2/NDF : 28.3/29

Out: 423.782 ± 244.558 χ^2/NDF : 34.4/31

All: 95.454 ± 172.046 χ^2/NDF : 66.3/61

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 966.723 $\pm$ 0.211 χ^2/NDF : 29145.8/13

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

Left In: 962.965 $\pm$ 0.206 χ^2/NDF : 21985.6/13

Left: 964.802 $\pm$ 0.147 χ^2/NDF : 51293.6/27

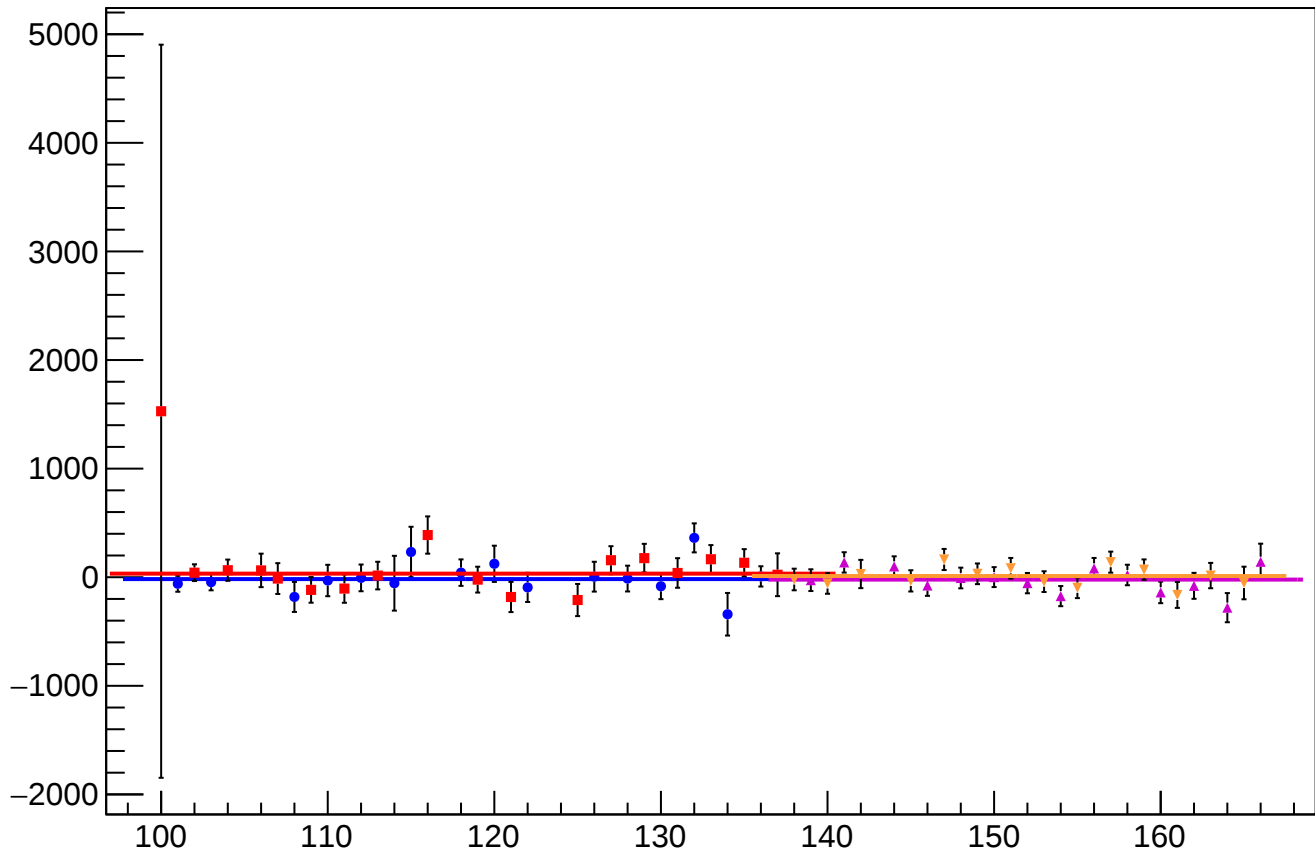
Right: 1108.972 $\pm$ 0.215 χ^2/NDF : 618871.4/33

In: 1007.077 $\pm$ 0.171 χ^2/NDF : 424283.6/29

Out: 1014.747 $\pm$ 0.173 χ^2/NDF : 550261.4/31

All: 1010.873 $\pm$ 0.122 χ^2/NDF : 975538.9/61

reg_asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -17.236 $\pm$ 29.988 χ^2 /NDF: 15.6/15

Left Out: 10.984 $\pm$ 27.444 χ^2 /NDF:9.9/13

Right Out: 32.892 $\pm$ 30.446 χ^2 /NDF: 16.5/17

Left In: -21.849 $\pm$ 26.894 χ^2 /NDF:15.5/13

Left: -5.765 $\pm$ 19.209 χ^2 /NDF: 26.1/27

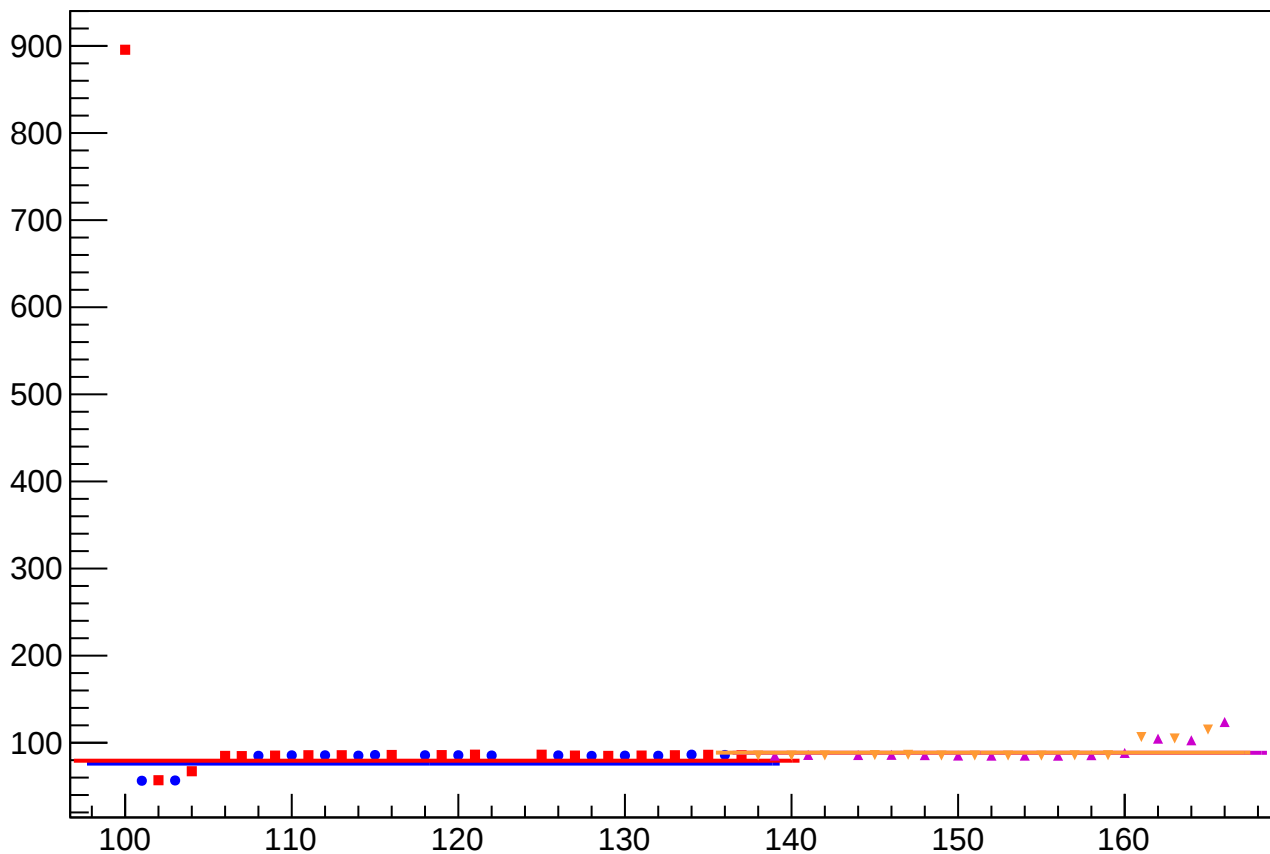
Right: 7.447 $\pm$ 21.365 χ^2 /NDF: 33.5/33

In: -19.793 $\pm$ 20.022 χ^2 /NDF:31.1/29

Out: 20.805 $\pm$ 20.385 χ^2 /NDF:26.7/31

All: 0.141 $\pm$ 14.284 χ^2 /NDF: 59.8/61

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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: 88.452 $\pm$ 0.019 χ^2 /NDF:168642.2/13

Left: 88.548 $\pm$ 0.014 χ^2 /NDF: 337813.3/27

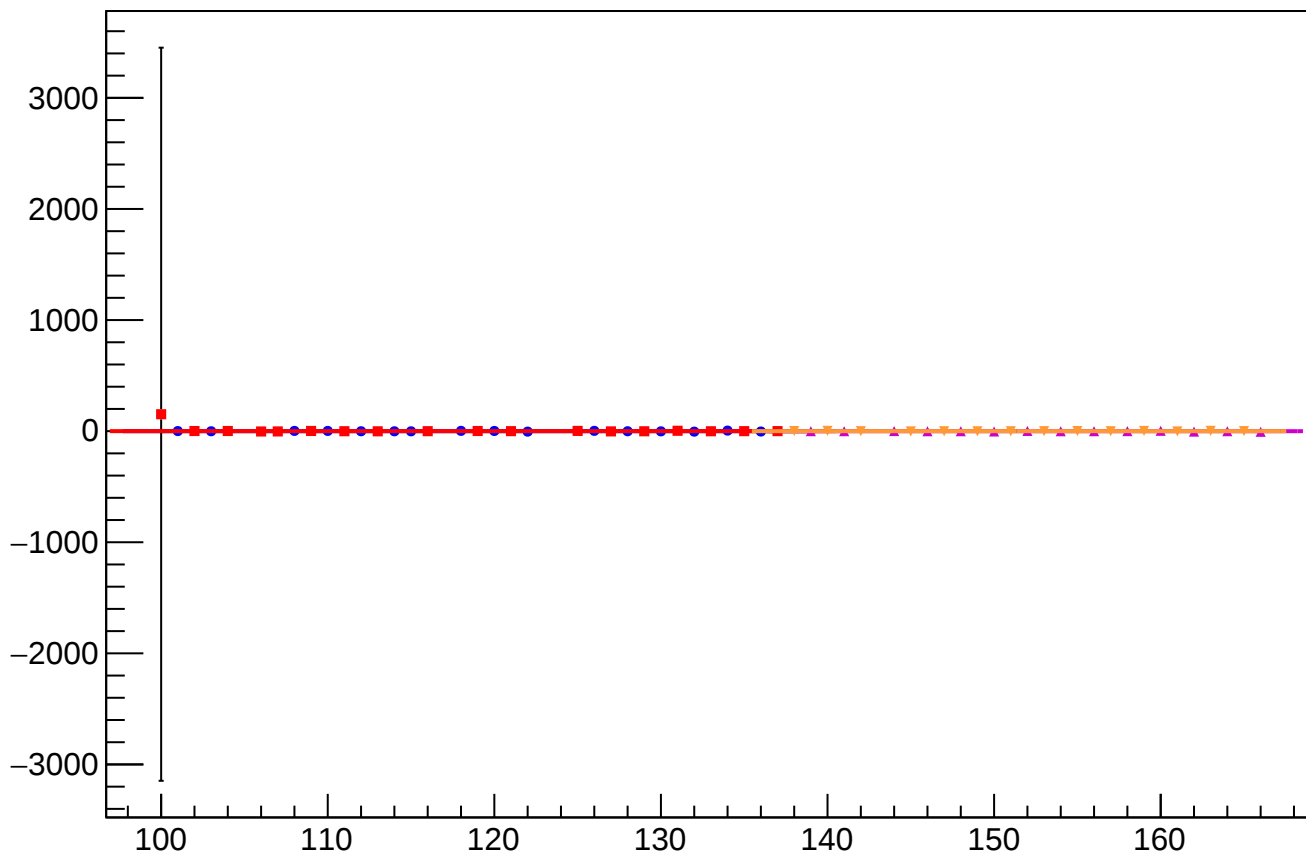
Right: 77.709 $\pm$ 0.015 χ^2 /NDF: 799700.2/33

In: 82.936 $\pm$ 0.014 χ^2 /NDF:766496.5/29

Out: 84.498 $\pm$ 0.014 χ^2 /NDF:649697.0/31

All: 83.703 $\pm$ 0.010 χ^2 /NDF: 1422170.6/61

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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: -0.336 ± 0.473 χ^2/NDF : 17.2/13

Left: -0.223 ± 0.331 χ^2/NDF : 27.3/27

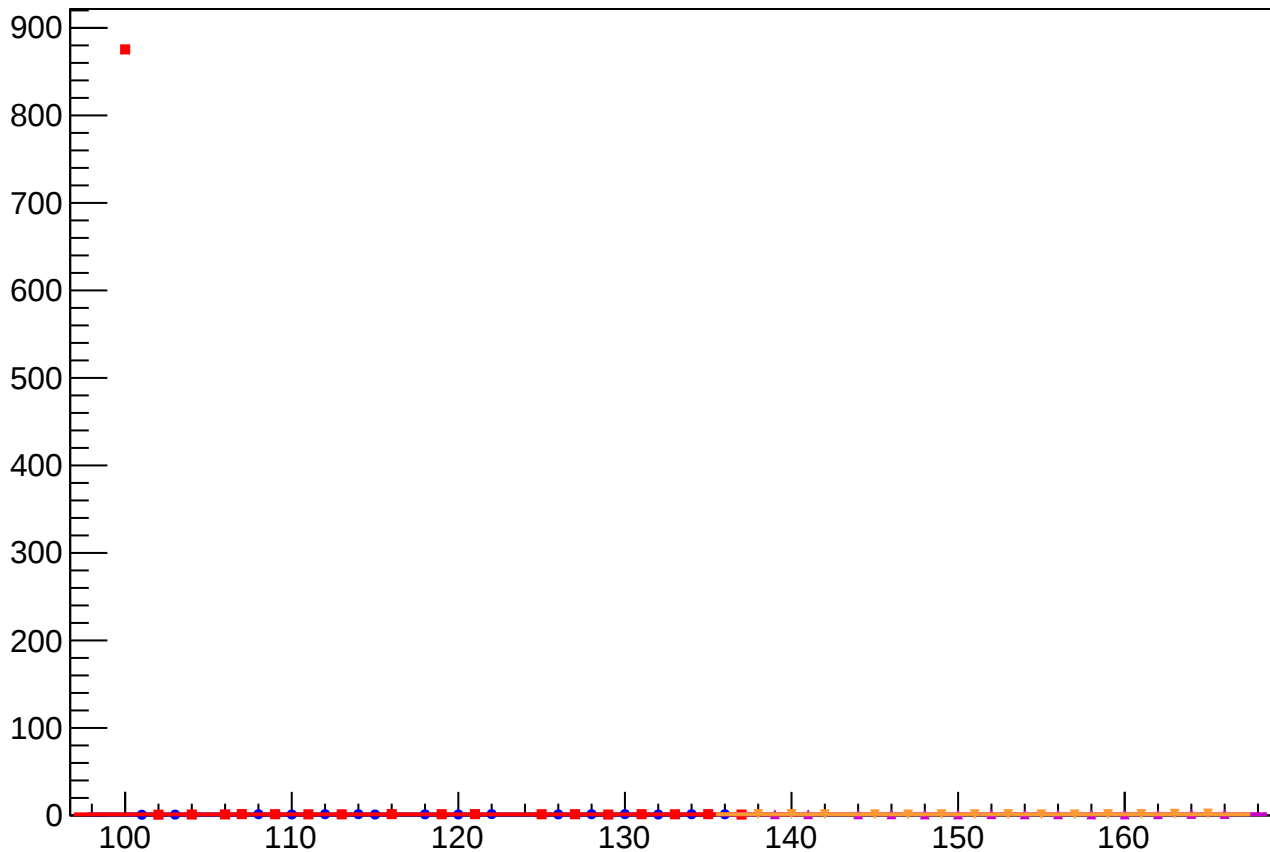
Right: -0.108 ± 0.361 χ^2/NDF : 30.4/33

In: -0.310 ± 0.344 χ^2/NDF : 38.3/29

Out: -0.029 ± 0.346 χ^2/NDF : 19.1/31

All: -0.170 ± 0.244 χ^2/NDF : 57.8/61

asym_ds_avg_correction_rms vs Slug, Sign Corrected



Right In: 1.152+/-0.000 χ^2/NDF : 514348.9/15

Left Out: 1.338+/-0.000 χ^2/NDF : 443840.5/13

Right Out: 1.247+/-0.000 χ^2/NDF : 517130.7/17

Left In: 1.425+/-0.000 χ^2/NDF : 197551.7/13

Left: 1.380+/-0.000 χ^2/NDF : 675699.0/27

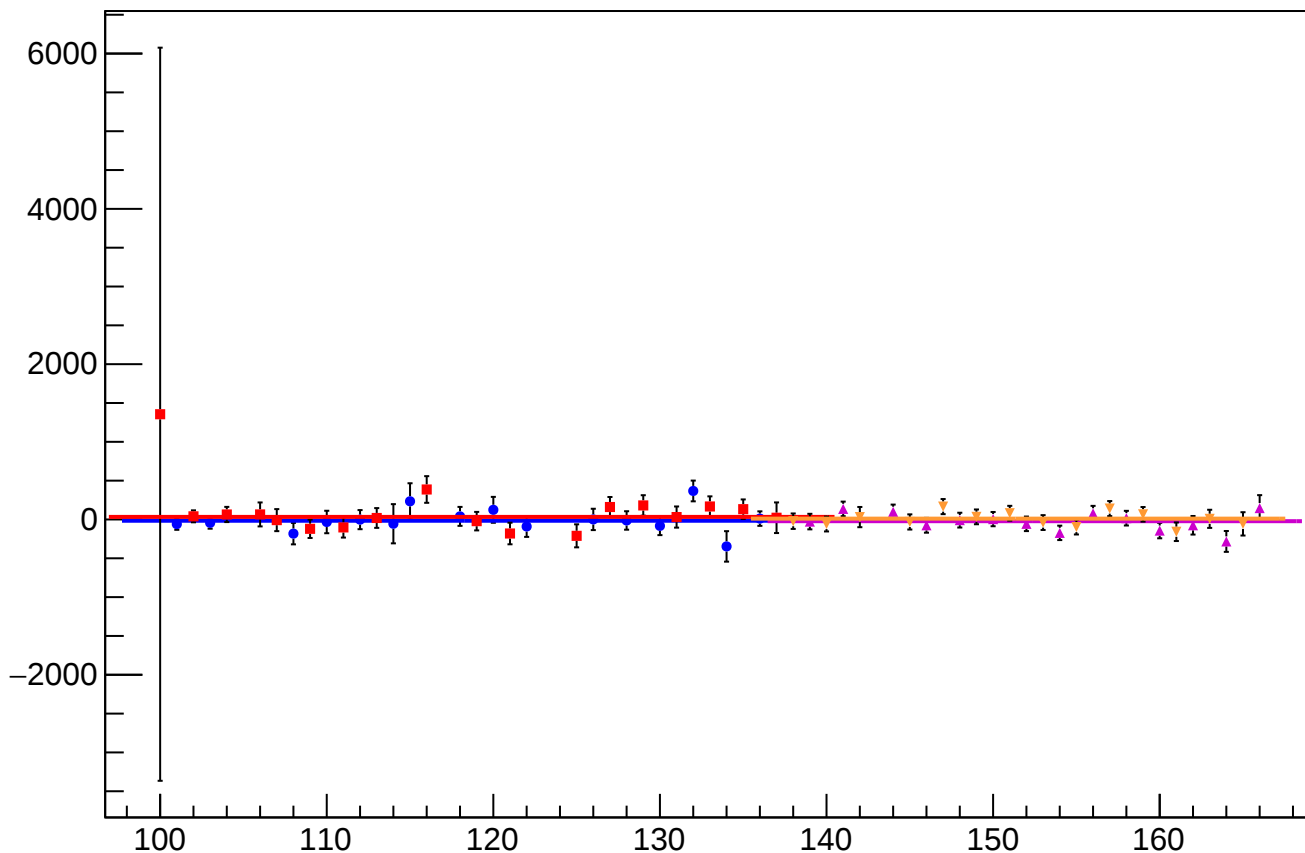
Right: 1.198+/-0.000 χ^2/NDF : 1065824.7/33

In: 1.296+/-0.000 χ^2/NDF : 1024217.5/29

Out: 1.298+/-0.000 χ^2/NDF : 994985.2/31

All: 1.297+/-0.000 χ^2/NDF : 2019218.4/61

asym_ds_avg_mean vs Slug, Sign Corrected



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: -22.085+/-26.902 χ^2/NDF : 15.5/13

Left: -5.997+/-19.214 χ^2/NDF : 26.1/27

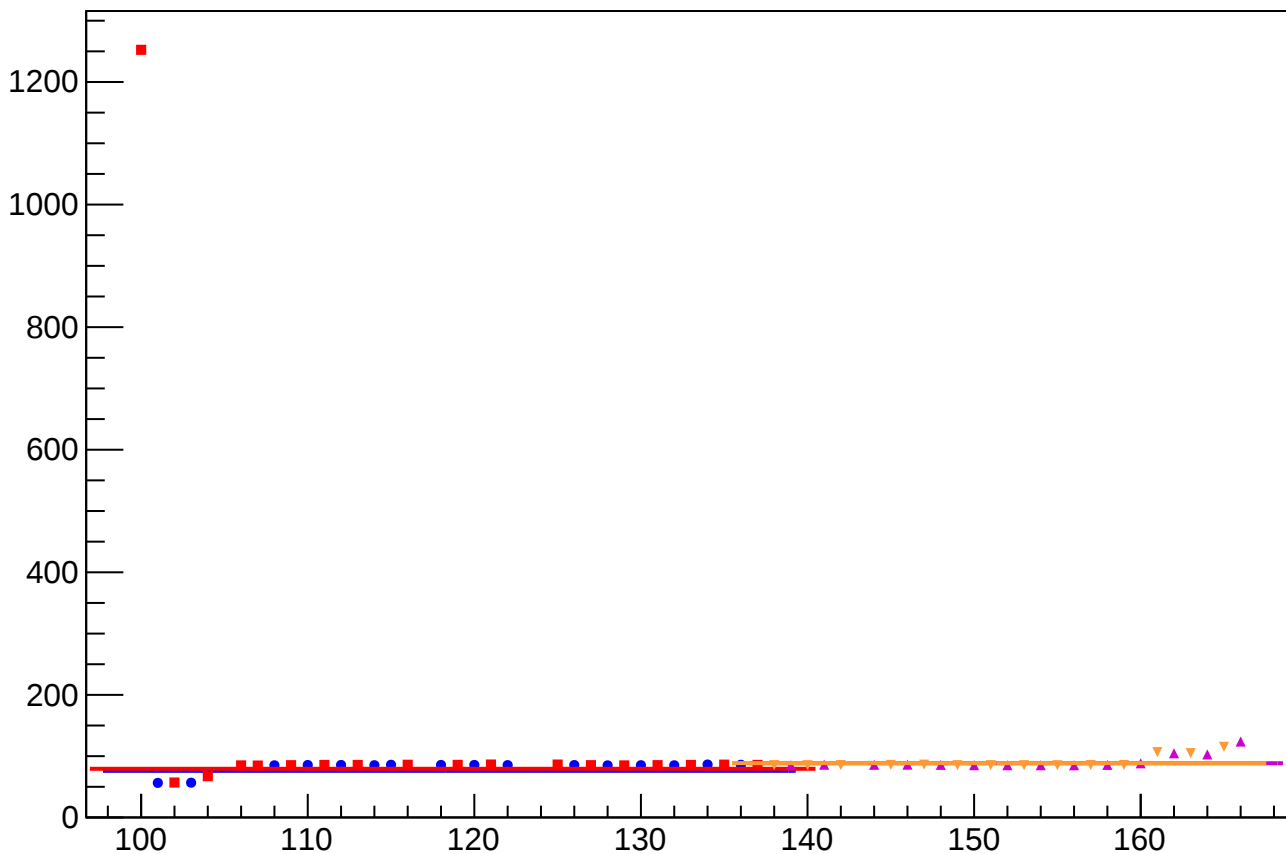
Right: 8.026+/-21.371 χ^2/NDF : 33.7/33

In: -19.511+/-20.027 χ^2/NDF : 31.3/29

Out: 20.779+/-20.391 χ^2/NDF : 26.7/31

All: 0.272+/-14.288 χ^2/NDF : 60.1/61

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.099 $\pm$ 0.021 χ^2 /NDF: 409200.9/15

Left Out: 88.673 $\pm$ 0.019 χ^2 /NDF:169292.0/13

Right Out: 79.393 $\pm$ 0.022 χ^2 /NDF: 385048.8/17

Left In: 88.476 $\pm$ 0.019 χ^2 /NDF:168691.4/13

Left: 88.573 $\pm$ 0.014 χ^2 /NDF: 338036.0/27

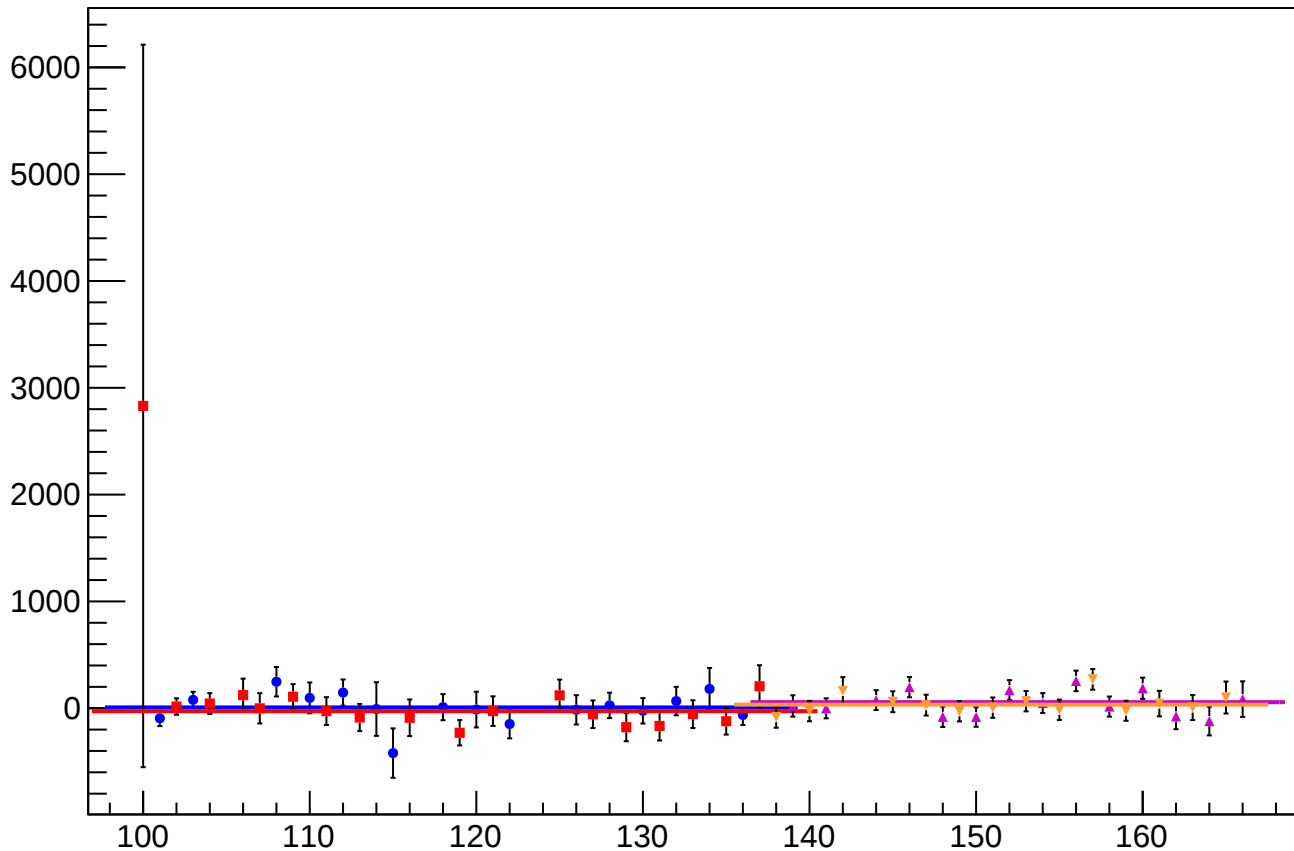
Right: 77.721 $\pm$ 0.015 χ^2 /NDF: 806127.4/33

In: 82.959 $\pm$ 0.014 χ^2 /NDF:766615.7/29

Out: 84.513 $\pm$ 0.014 χ^2 /NDF:656797.4/31

All: 83.722 $\pm$ 0.010 χ^2 /NDF: 1429330.6/61

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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: 56.580 ± 26.893 χ^2/NDF : 17.7/13

Left: 45.397 ± 19.208 χ^2/NDF : 28.4/27

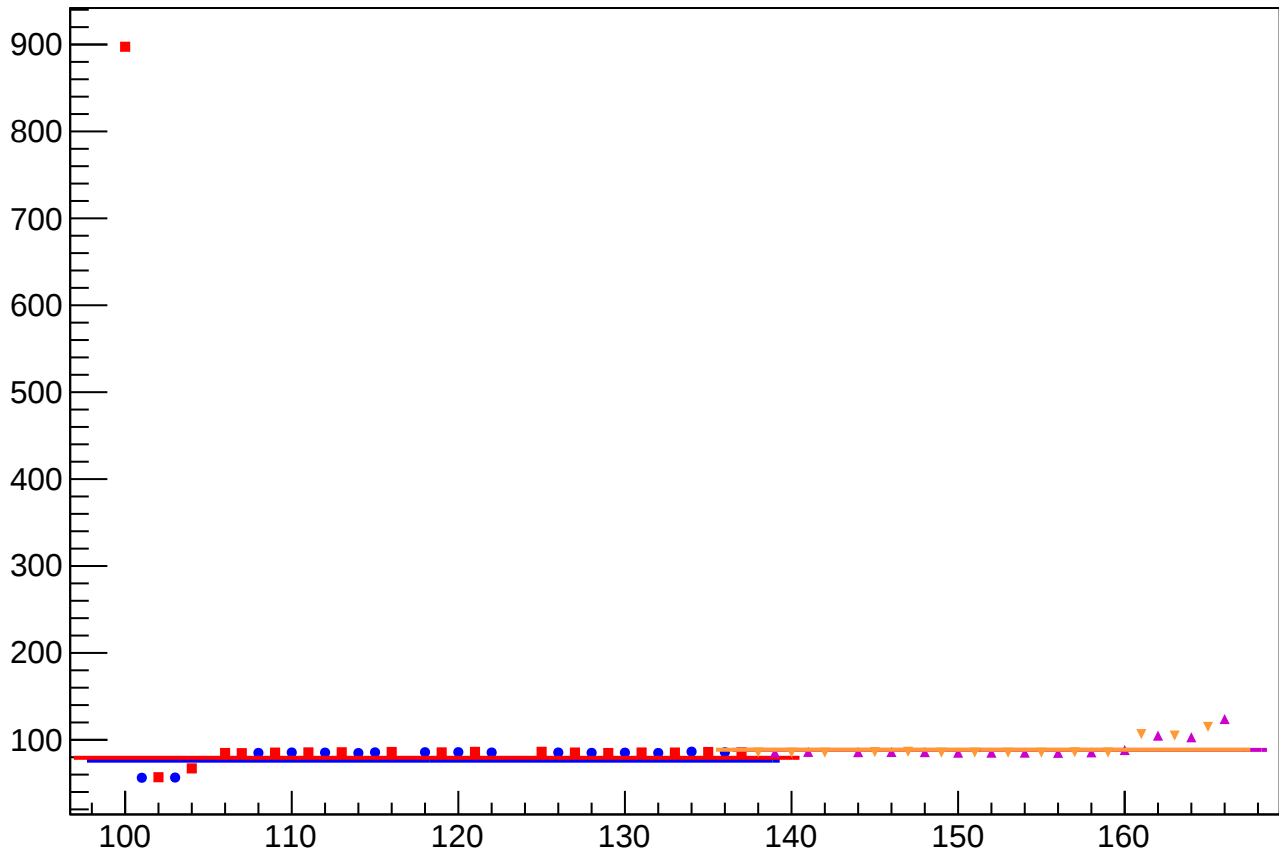
Right: -9.961 ± 21.352 χ^2/NDF : 27.1/33

In: 34.669 ± 20.016 χ^2/NDF : 33.2/29

Out: 6.090 ± 20.379 χ^2/NDF : 25.0/31

All: 20.636 ± 14.280 χ^2/NDF : 59.2/61

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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: 88.446 $\pm$ 0.019 χ^2 /NDF:169992.3/13

Left: 88.543 $\pm$ 0.014 χ^2 /NDF: 338525.2/27

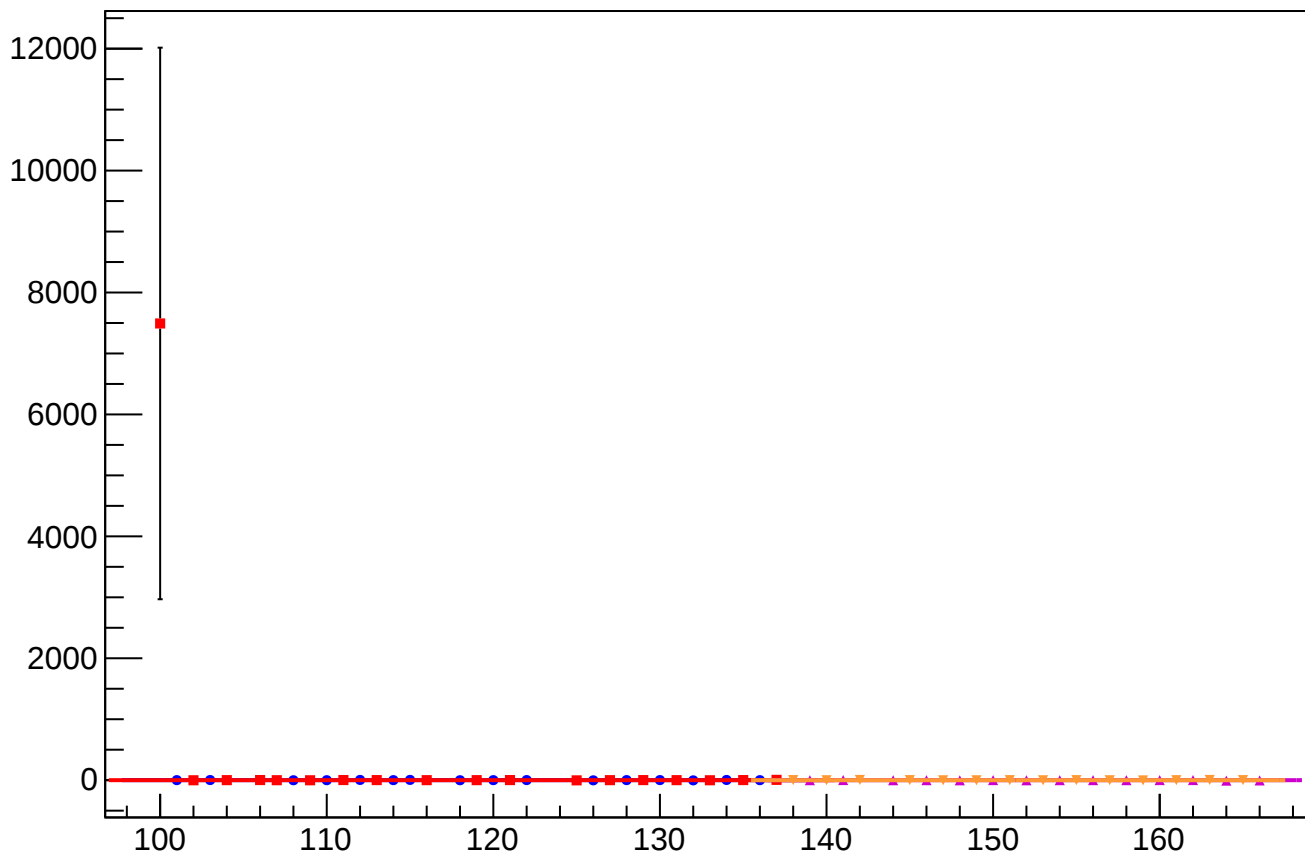
Right: 77.662 $\pm$ 0.015 χ^2 /NDF: 799302.8/33

In: 82.908 $\pm$ 0.014 χ^2 /NDF:768994.7/29

Out: 84.471 $\pm$ 0.014 χ^2 /NDF:649924.9/31

All: 83.676 $\pm$ 0.010 χ^2 /NDF: 1424909.4/61

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.417 ± 0.478 χ^2/NDF : 15.5/13

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

Left In: 0.070 ± 0.473 χ^2/NDF : 14.6/13

Left: -0.171 ± 0.336 χ^2/NDF : 30.7/27

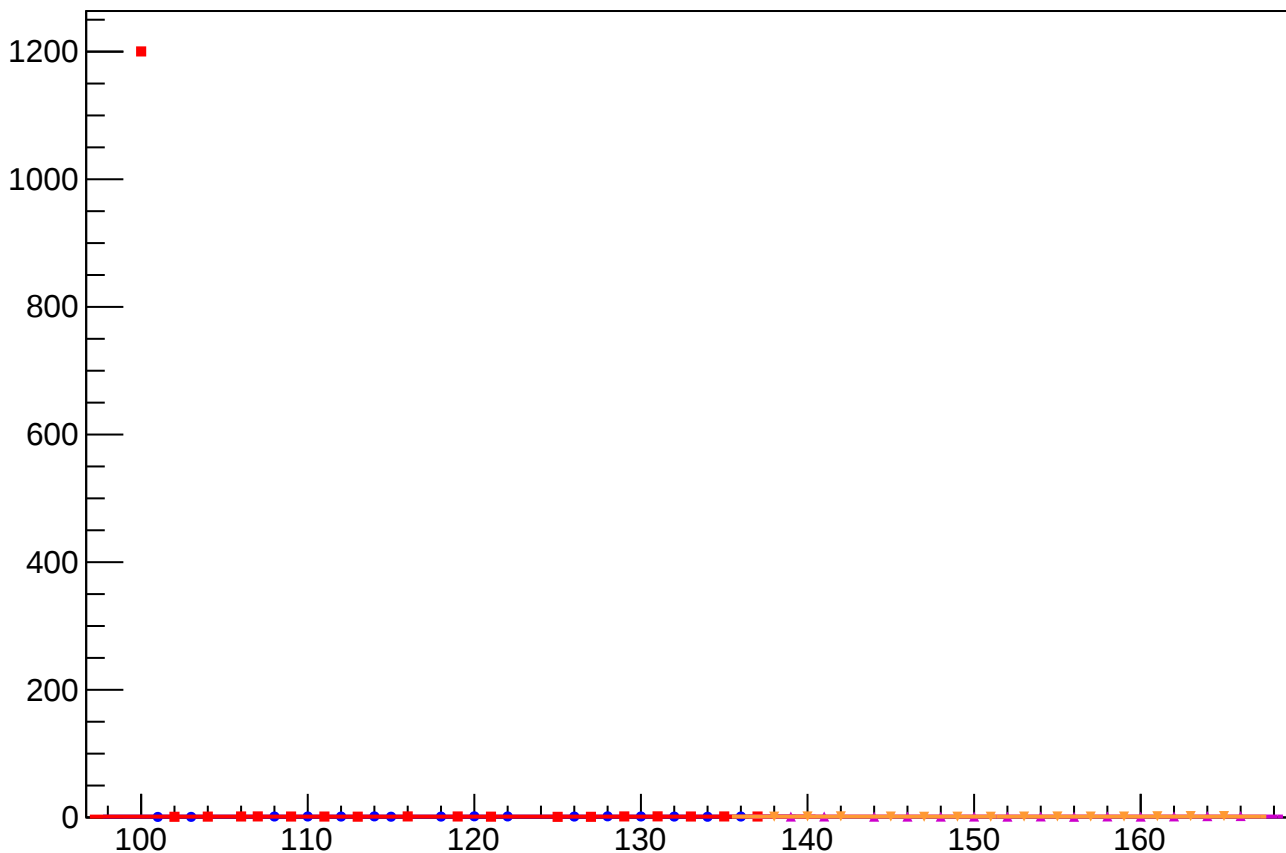
Right: 0.621 ± 0.382 χ^2/NDF : 25.2/33

In: 0.441 ± 0.353 χ^2/NDF : 28.0/29

Out: -0.102 ± 0.360 χ^2/NDF : 29.1/31

All: 0.175 ± 0.252 χ^2/NDF : 58.3/61

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.398+/-0.000 χ^2/NDF : 639194.5/13

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

Left In: 1.415+/-0.000 χ^2/NDF : 460355.2/13

Left: 1.406+/-0.000 χ^2/NDF : 1100829.5/27

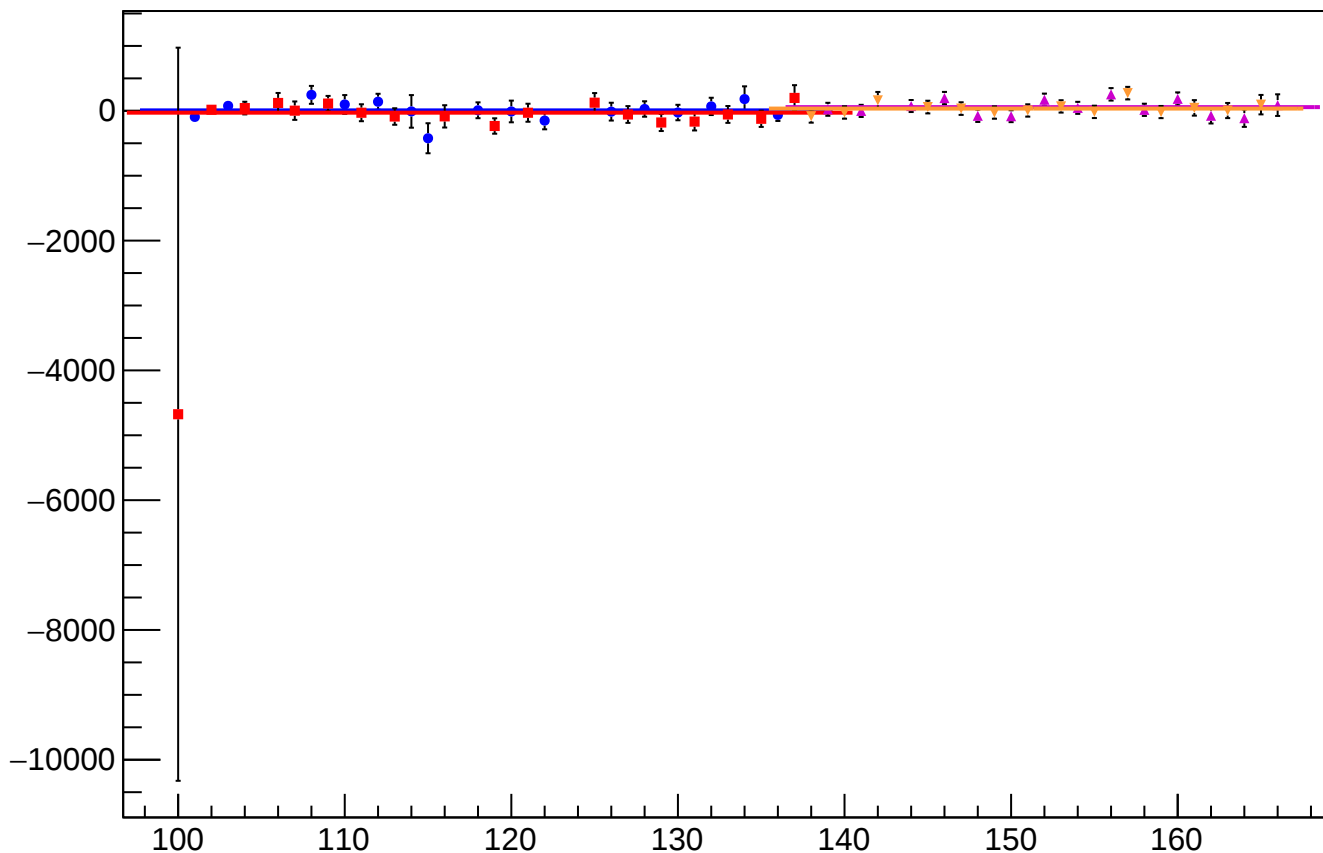
Right: 1.276+/-0.000 χ^2/NDF : 1201203.5/33

In: 1.337+/-0.000 χ^2/NDF : 1241962.4/29

Out: 1.363+/-0.000 χ^2/NDF : 1185213.5/31

All: 1.350+/-0.000 χ^2/NDF : 2432680.1/61

asym_ds_dd_mean vs Slug, Sign Corrected



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: 56.991 ± 26.901 χ^2/NDF : 17.4/13

Left: 46.027 ± 19.213 χ^2/NDF : 28.0/27

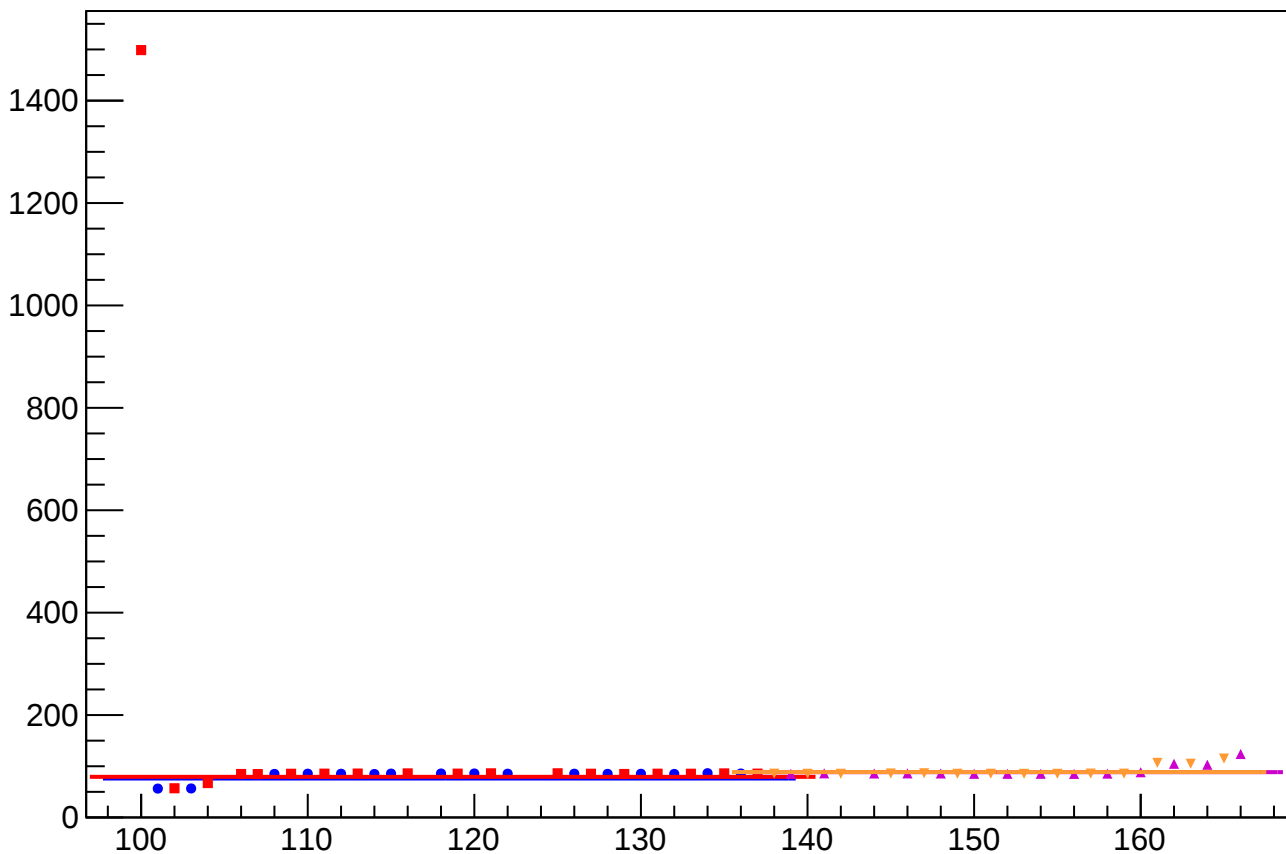
Right: -10.616 ± 21.358 χ^2/NDF : 27.2/33

In: 34.593 ± 20.021 χ^2/NDF : 32.8/29

Out: 6.280 ± 20.385 χ^2/NDF : 25.3/31

All: 20.691 ± 14.284 χ^2/NDF : 59.1/61

asym_ds_dd_rms vs Slug, Sign Corrected



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: 88.470 $\pm$ 0.019 χ^2 /NDF: 170063.1/13

Left: 88.567 $\pm$ 0.014 χ^2 /NDF: 338774.0/27

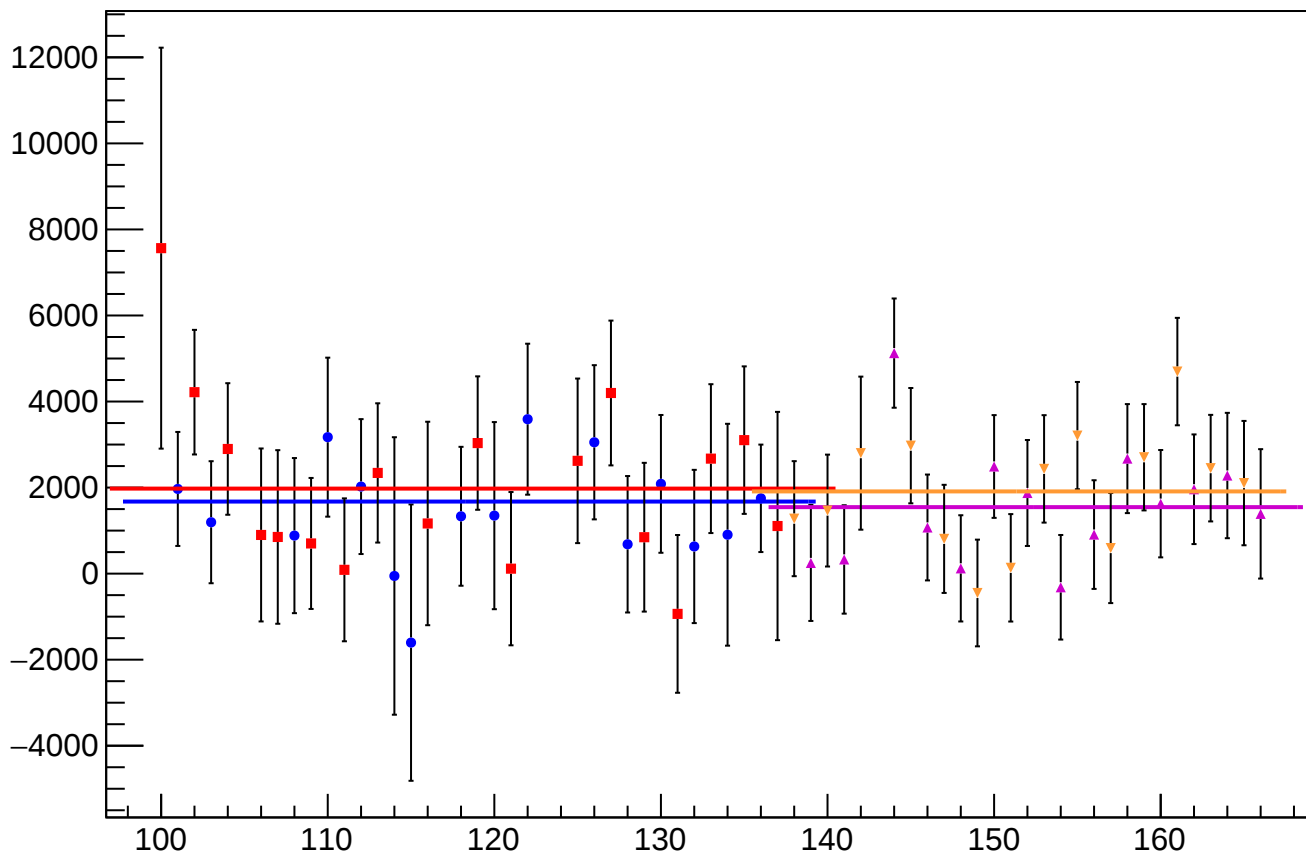
Right: 77.670 $\pm$ 0.015 χ^2 /NDF: 808427.1/33

In: 82.931 $\pm$ 0.014 χ^2 /NDF: 769130.2/29

Out: 84.483 $\pm$ 0.014 χ^2 /NDF: 659917.2/31

All: 83.693 $\pm$ 0.010 χ^2 /NDF: 1434951.9/61

reg_asym_usl_mean vs Slug, Sign Corrected



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: 1545.530 $\pm$ 341.456 χ^2 /NDF:15.8/13

Left: 1724.914 $\pm$ 243.620 χ^2 /NDF: 31.9/27

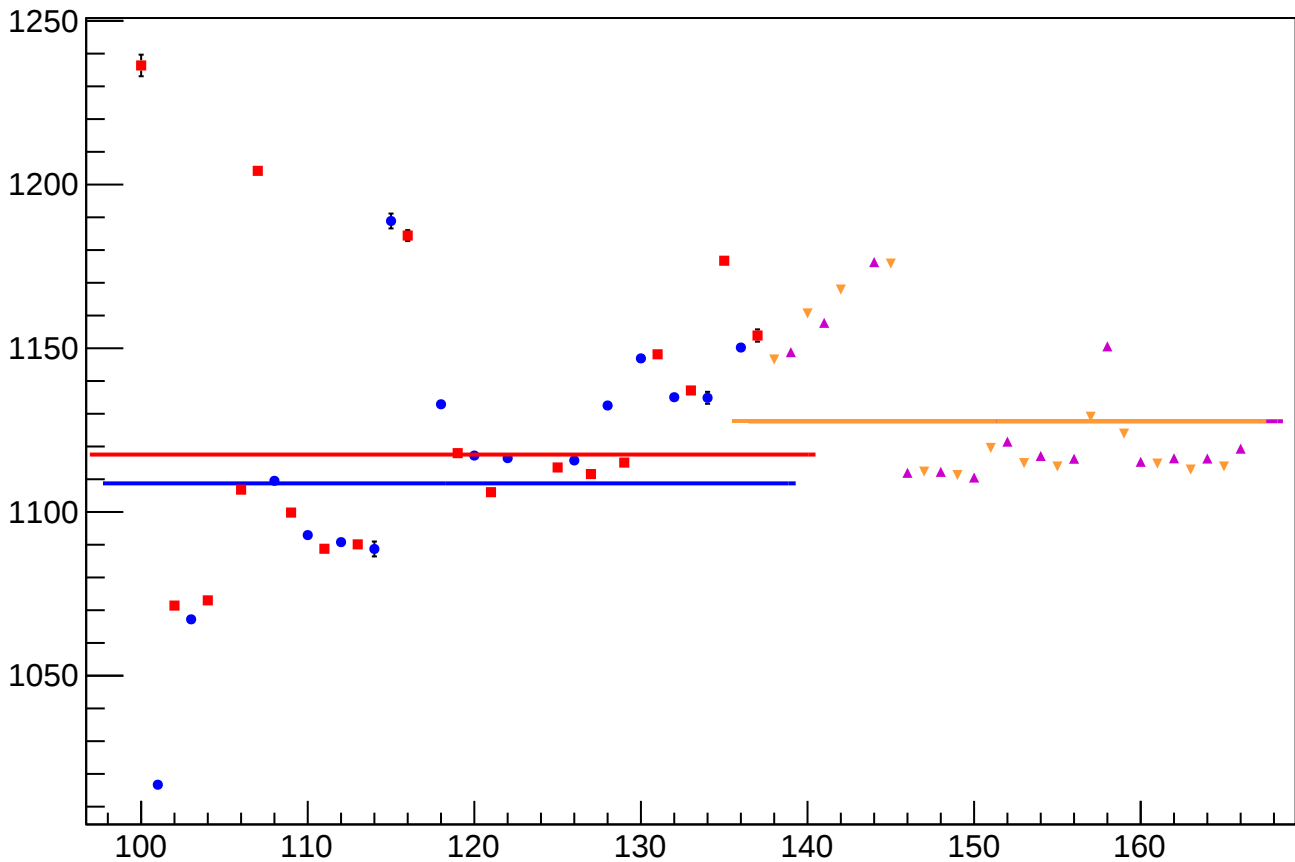
Right: 1828.538 $\pm$ 301.540 χ^2 /NDF: 19.4/33

In: 1595.511 $\pm$ 267.546 χ^2 /NDF:20.9/29

Out: 1937.317 $\pm$ 268.446 χ^2 /NDF:29.6/31

All: 1765.839 $\pm$ 189.501 χ^2 /NDF: 51.4/61

reg_asym_usl_rms vs Slug, Sign Corrected



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: 1127.706 $\pm$ 0.241 χ^2 /NDF: 7175.0/13

Left: 1127.747 $\pm$ 0.172 χ^2 /NDF: 14352.7/27

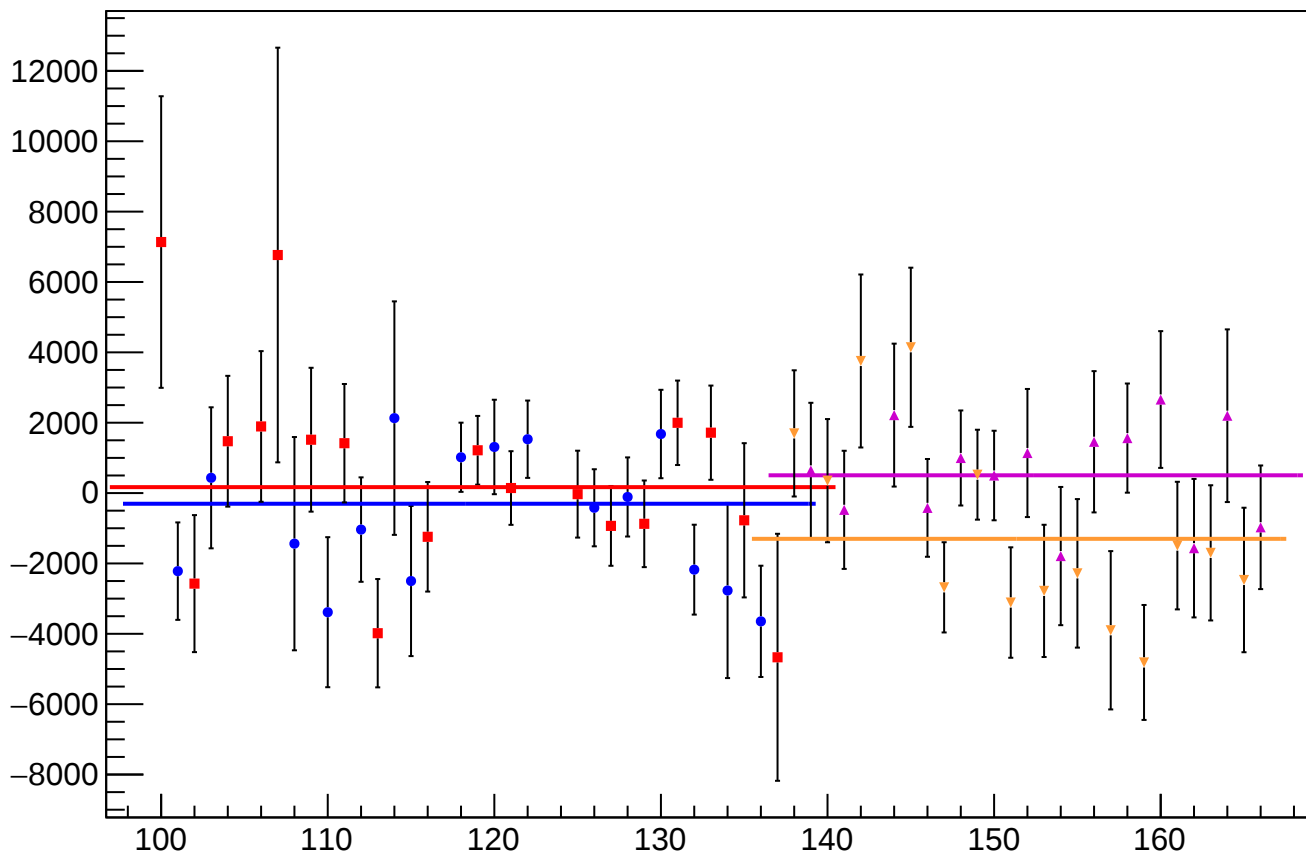
Right: 1113.224 $\pm$ 0.213 χ^2 /NDF: 34021.5/33

In: 1120.384 $\pm$ 0.189 χ^2 /NDF: 27638.1/29

Out: 1123.650 $\pm$ 0.190 χ^2 /NDF: 23395.0/31

All: 1122.011 $\pm$ 0.134 χ^2 /NDF: 51181.6/61

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -1300.399 $\pm$ 470.556 χ^2/NDF : 25.4/13

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

Left In: 505.293 $\pm$ 457.000 χ^2/NDF : 7.3/13

Left: -371.170 $\pm$ 327.835 χ^2/NDF : 40.3/27

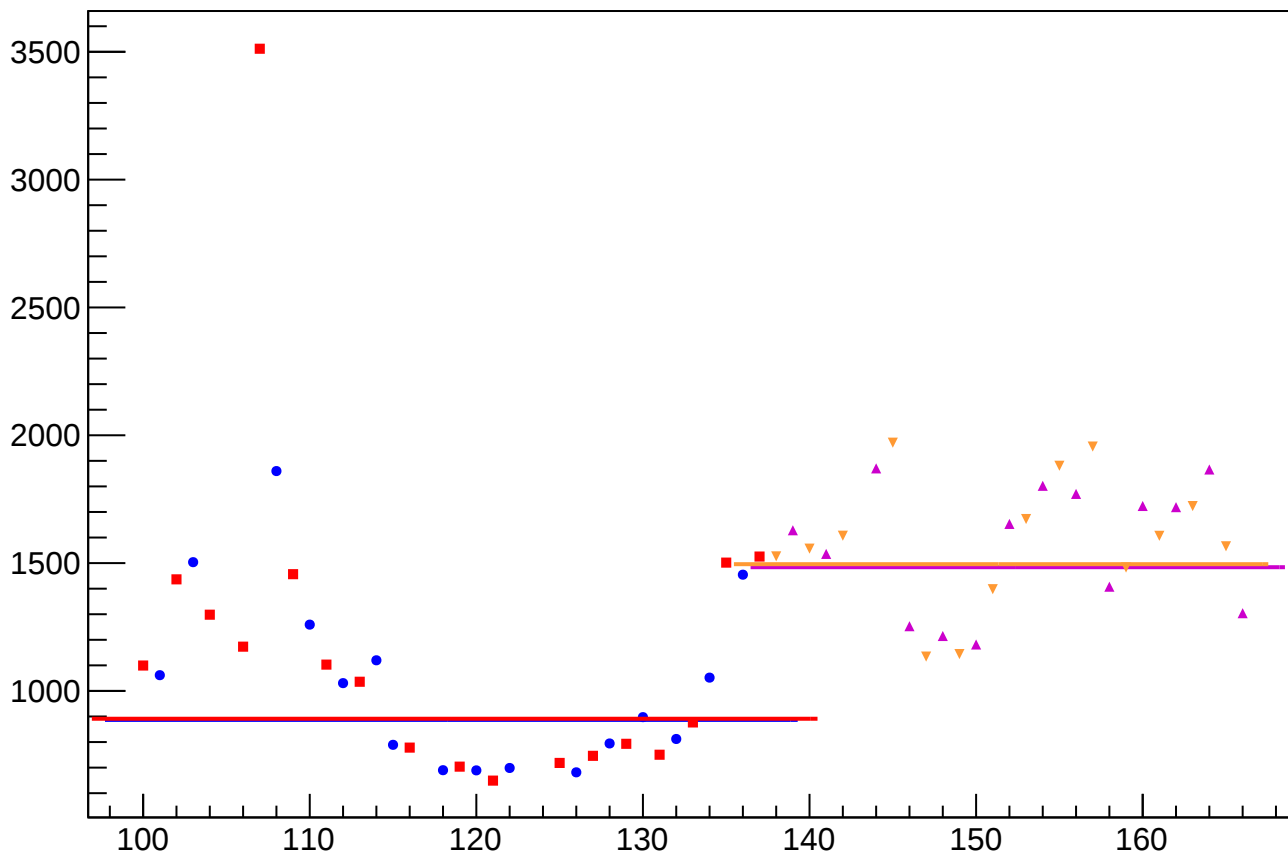
Right: -64.717 $\pm$ 253.241 χ^2/NDF : 48.0/33

In: 6.380 $\pm$ 282.828 χ^2/NDF : 31.5/29

Out: -366.436 $\pm$ 284.025 χ^2/NDF : 56.5/31

All: -179.241 $\pm$ 200.411 χ^2/NDF : 88.9/61

asym_usl_correction_rms vs Slug, Sign Corrected



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

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

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

Left In: 1483.957+/-0.323 χ^2/NDF : 576849.6/13

Left: 1489.702+/-0.232 χ^2/NDF : 1196749.5/27

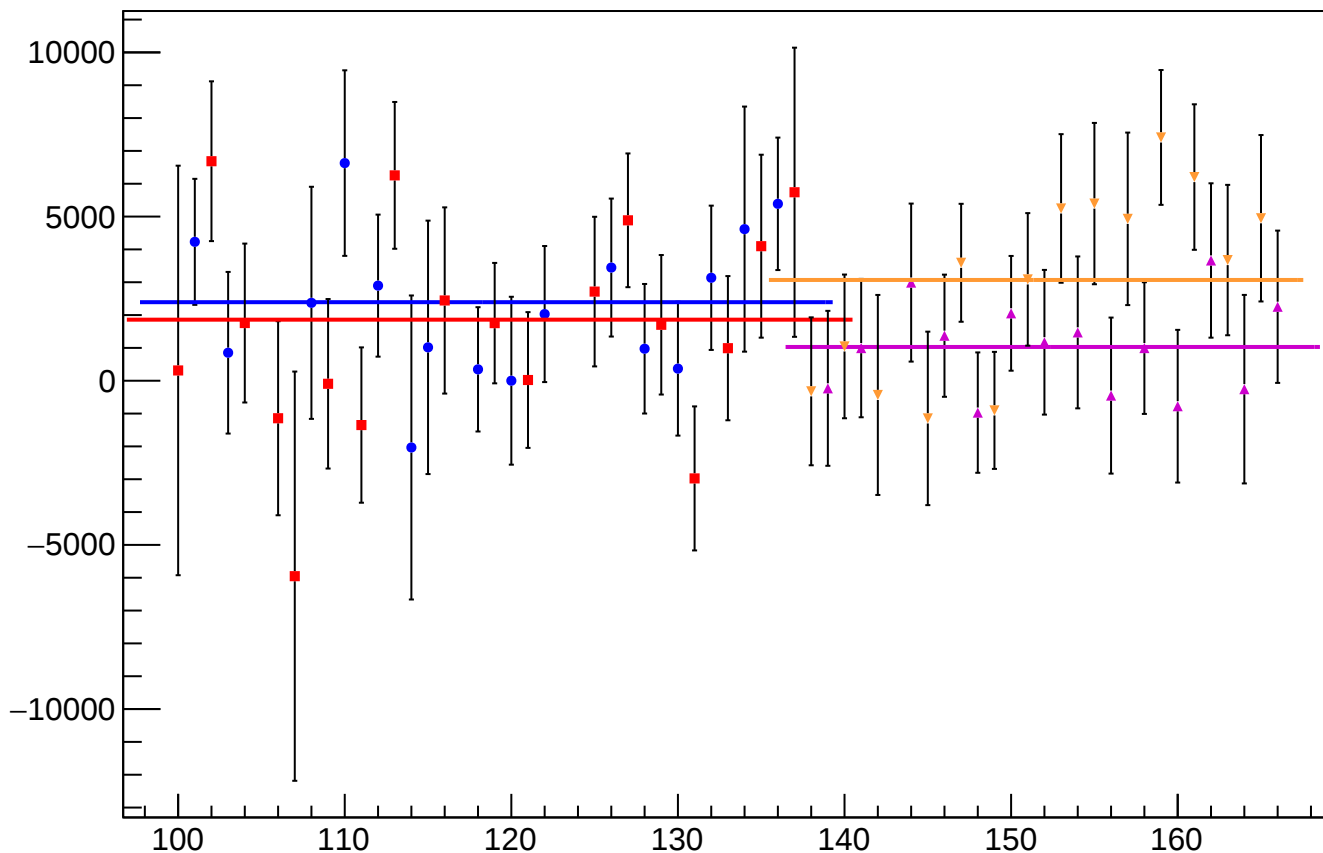
Right: 888.968+/-0.179 χ^2/NDF : 2475210.4/33

In: 1115.451+/-0.200 χ^2/NDF : 3745415.4/29

Out: 1111.467+/-0.201 χ^2/NDF : 4132252.3/31

All: 1113.468+/-0.142 χ^2/NDF : 7877865.3/63

asym_usl_mean vs Slug, Sign Corrected



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: 1028.670 $\pm$ 578.968 χ^2 /NDF:5.3/13

Left: 2020.284 $\pm$ 415.103 χ^2 /NDF: 32.8/27

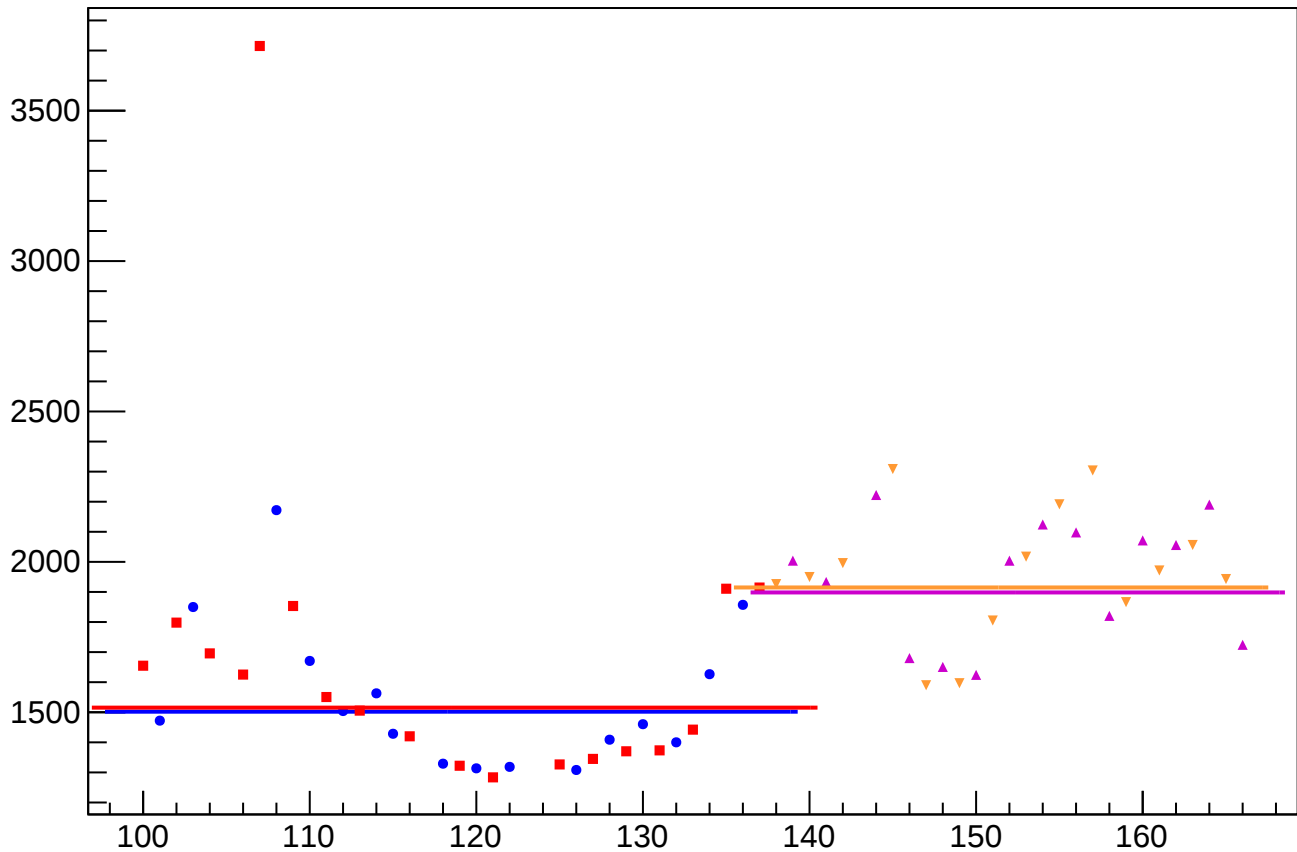
Right: 2123.458 $\pm$ 414.388 χ^2 /NDF: 34.1/33

In: 1698.825 $\pm$ 412.890 χ^2 /NDF:19.2/29

Out: 2451.877 $\pm$ 416.625 χ^2 /NDF:46.1/31

All: 2071.960 $\pm$ 293.269 χ^2 /NDF: 66.9/61

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1914.923 $\pm$ 0.421 χ^2 /NDF: 265164.6/13

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

Left In: 1898.326 $\pm$ 0.409 χ^2 /NDF: 246820.4/13

Left: 1906.392 $\pm$ 0.294 χ^2 /NDF: 512783.6/27

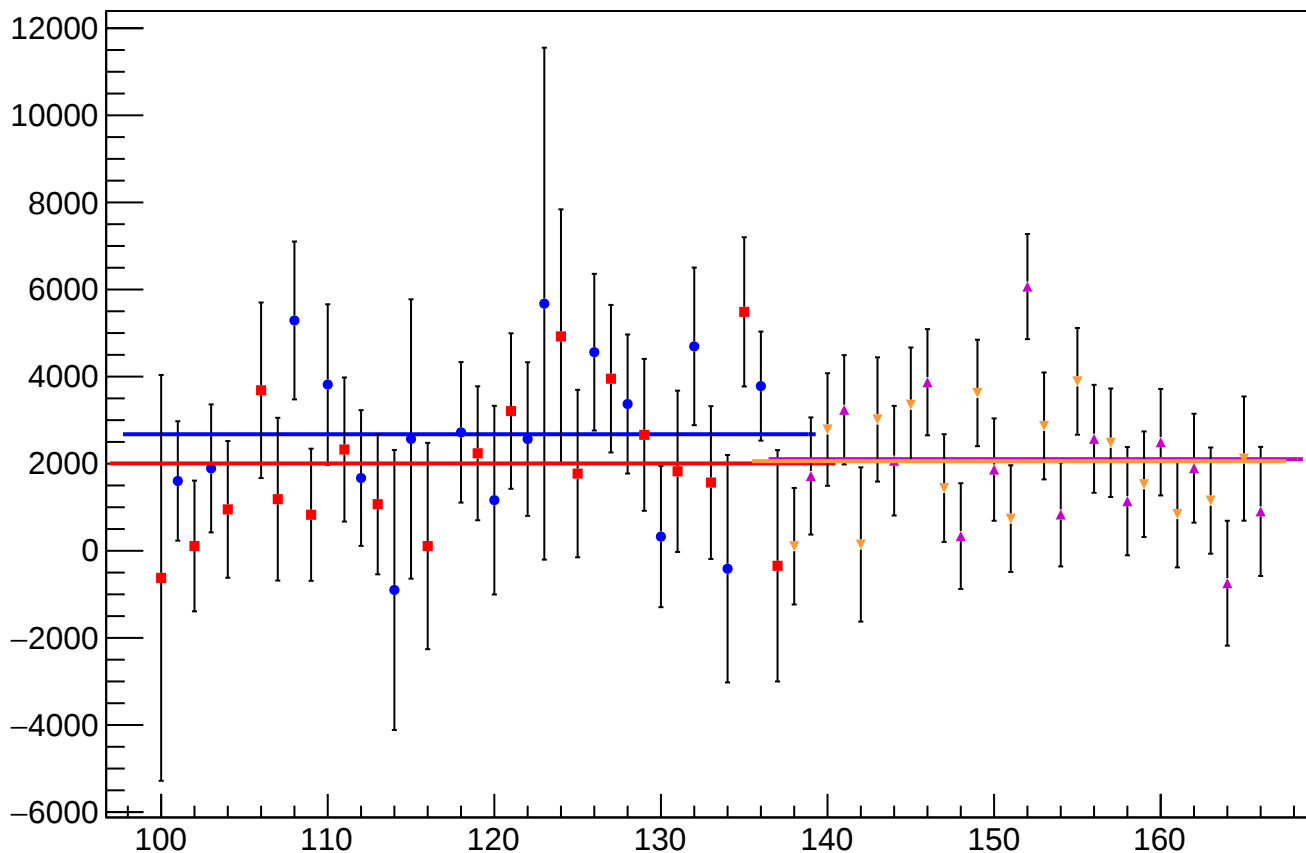
Right: 1508.739 $\pm$ 0.293 χ^2 /NDF: 734837.7/33

In: 1703.533 $\pm$ 0.292 χ^2 /NDF: 962069.7/29

Out: 1710.978 $\pm$ 0.295 χ^2 /NDF: 1204502.3/31

All: 1707.222 $\pm$ 0.207 χ^2 /NDF: 2166894.2/63

reg_asym_usr_mean vs Slug, Sign Corrected



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: 2104.891 $\pm$ 336.530 χ^2 /NDF:22.5/13

Left: 2081.237 $\pm$ 236.691 χ^2 /NDF: 35.1/28

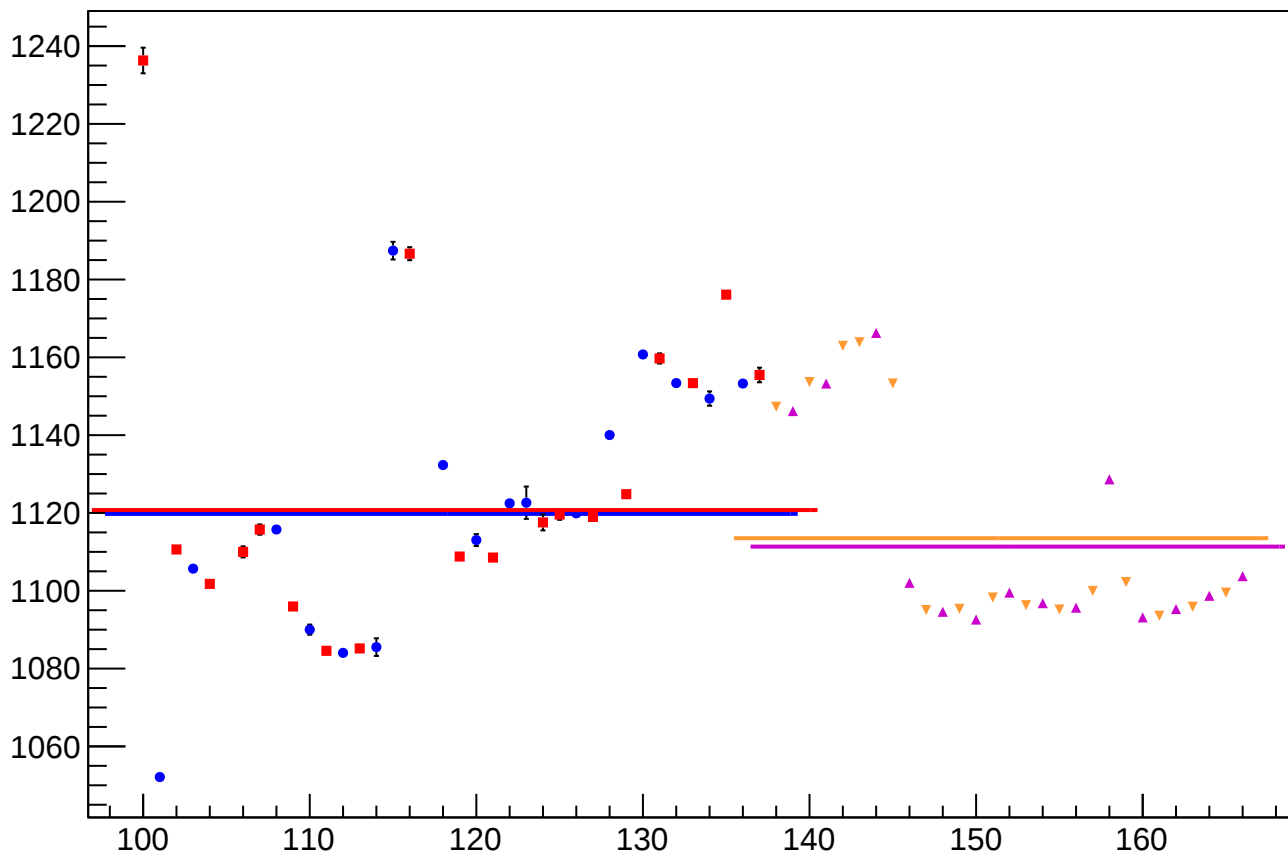
Right: 2330.304 $\pm$ 301.362 χ^2 /NDF: 26.6/35

In: 2319.855 $\pm$ 265.849 χ^2 /NDF:36.2/30

Out: 2038.156 $\pm$ 260.717 χ^2 /NDF:25.4/33

All: 2176.260 $\pm$ 186.143 χ^2 /NDF: 62.2/64

reg_asym_usr_rms vs Slug, Sign Corrected



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: 1111.351 $\pm$ 0.238 χ^2 /NDF:10563.6/13

Left: 1112.444 $\pm$ 0.167 χ^2 /NDF: 23278.0/28

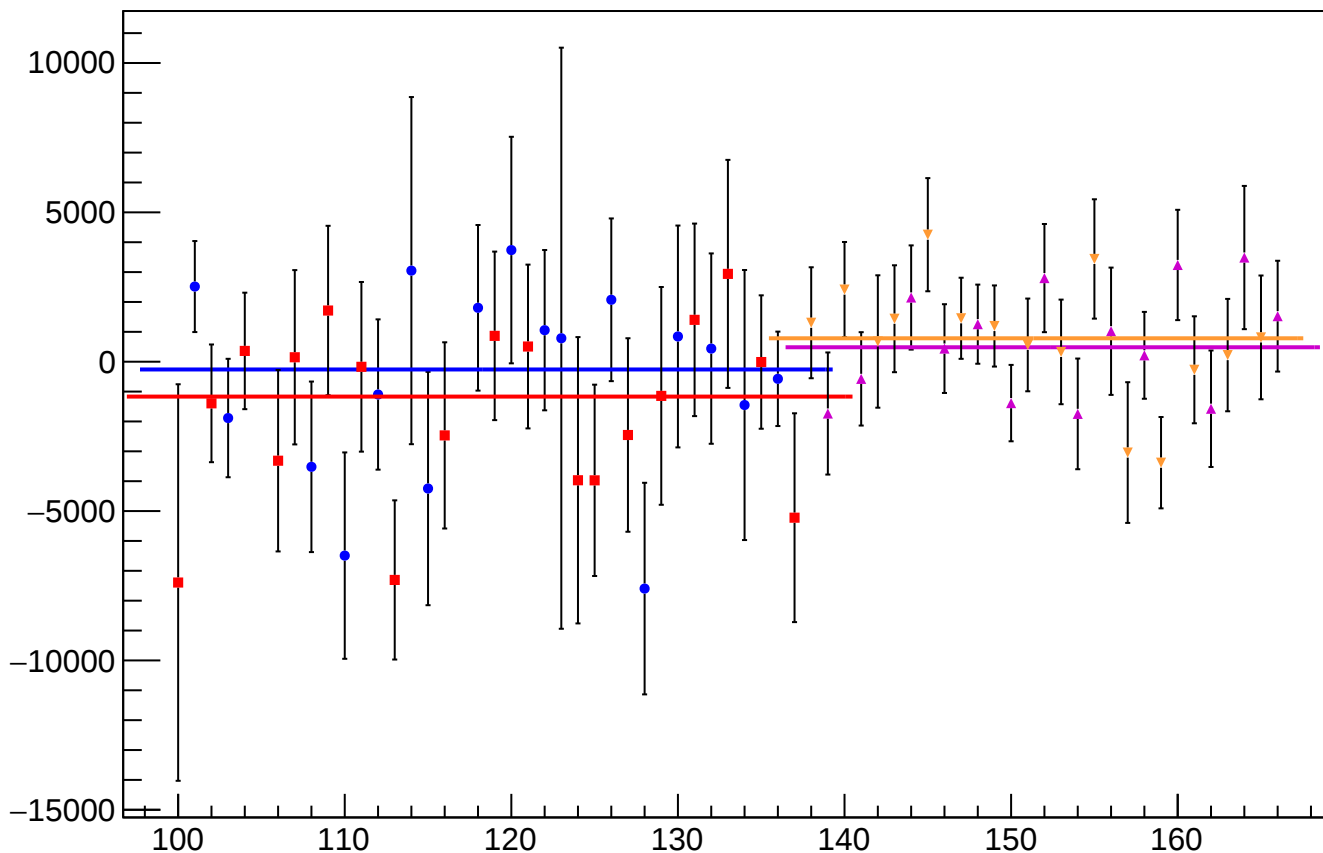
Right: 1120.271 $\pm$ 0.213 χ^2 /NDF: 21816.3/35

In: 1114.513 $\pm$ 0.188 χ^2 /NDF:22910.1/30

Out: 1116.312 $\pm$ 0.184 χ^2 /NDF:22971.8/33

All: 1115.430 $\pm$ 0.132 χ^2 /NDF: 45928.5/64

asym_usr_correction_mean vs Slug, Sign Corrected



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: 483.556 ± 450.707 χ^2/NDF : 13.4/13

Left: 634.882 ± 317.619 χ^2/NDF : 31.0/28

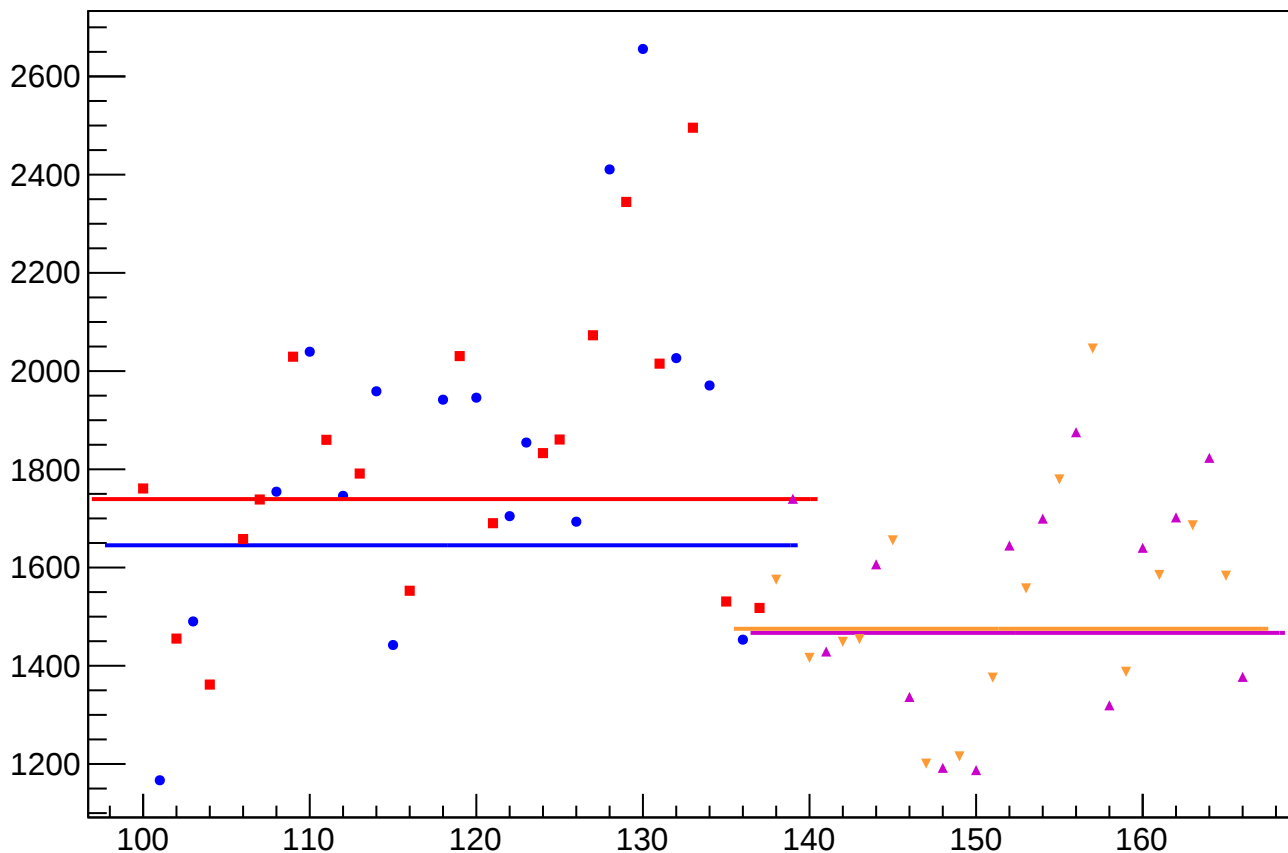
Right: -708.782 ± 465.858 χ^2/NDF : 32.6/35

In: 244.818 ± 371.347 χ^2/NDF : 31.5/30

Out: 172.252 ± 370.914 χ^2/NDF : 37.7/33

All: 208.493 ± 262.429 χ^2/NDF : 69.2/64

asym_usr_correction_rms vs Slug, Sign Corrected



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: 1466.972 $\pm$ 0.319 χ^2 /NDF: 487163.5/13

Left: 1471.174 $\pm$ 0.225 χ^2 /NDF: 890652.4/28

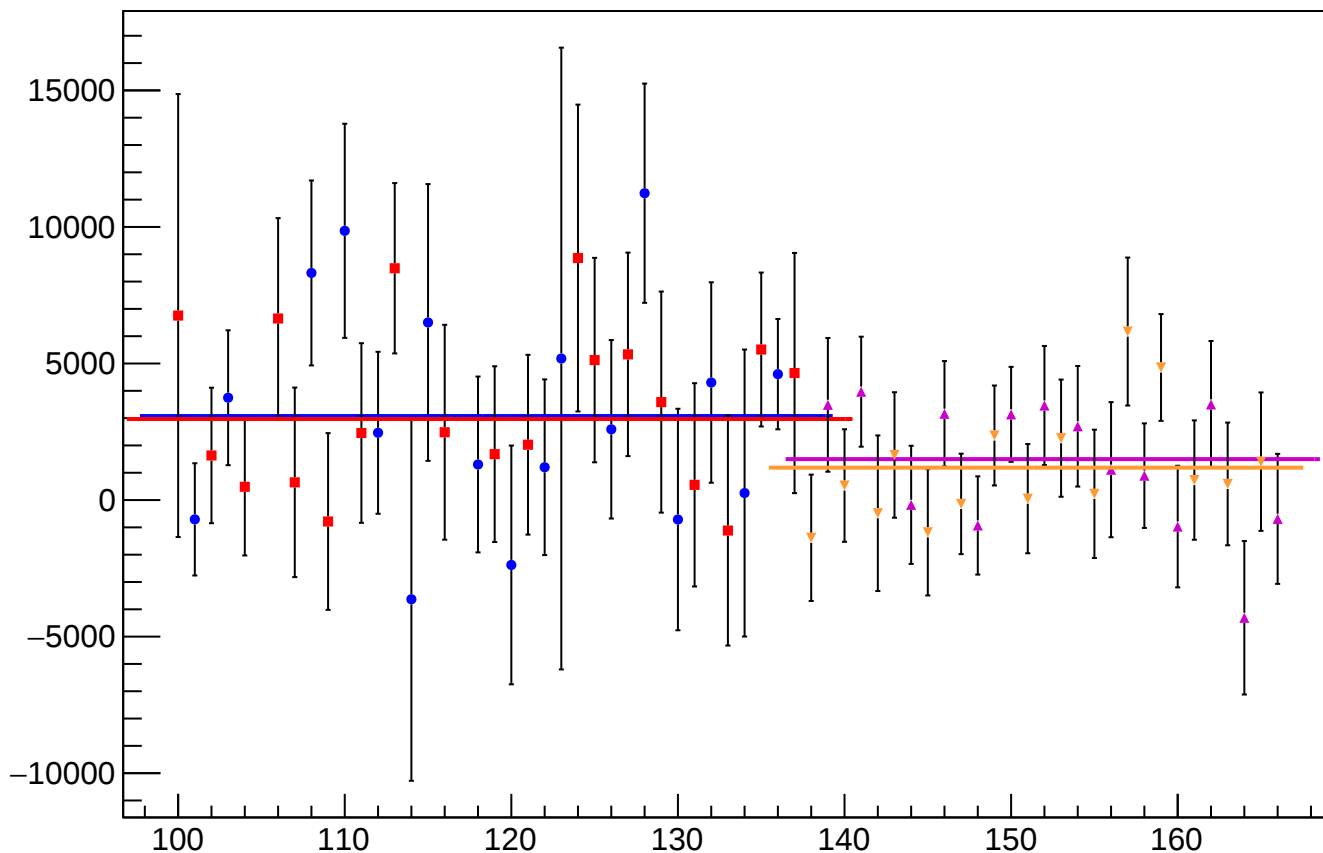
Right: 1691.833 $\pm$ 0.329 χ^2 /NDF: 992315.5/35

In: 1524.245 $\pm$ 0.263 χ^2 /NDF: 1188638.1/30

Out: 1558.109 $\pm$ 0.262 χ^2 /NDF: 992325.1/33

All: 1541.197 $\pm$ 0.186 χ^2 /NDF: 2189288.8/64

asym_usr_mean vs Slug, Sign Corrected



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: 1499.640+/-570.060 χ^2/NDF : 14.5/13

Left: 1342.145+/-401.510 χ^2/NDF : 26.2/28

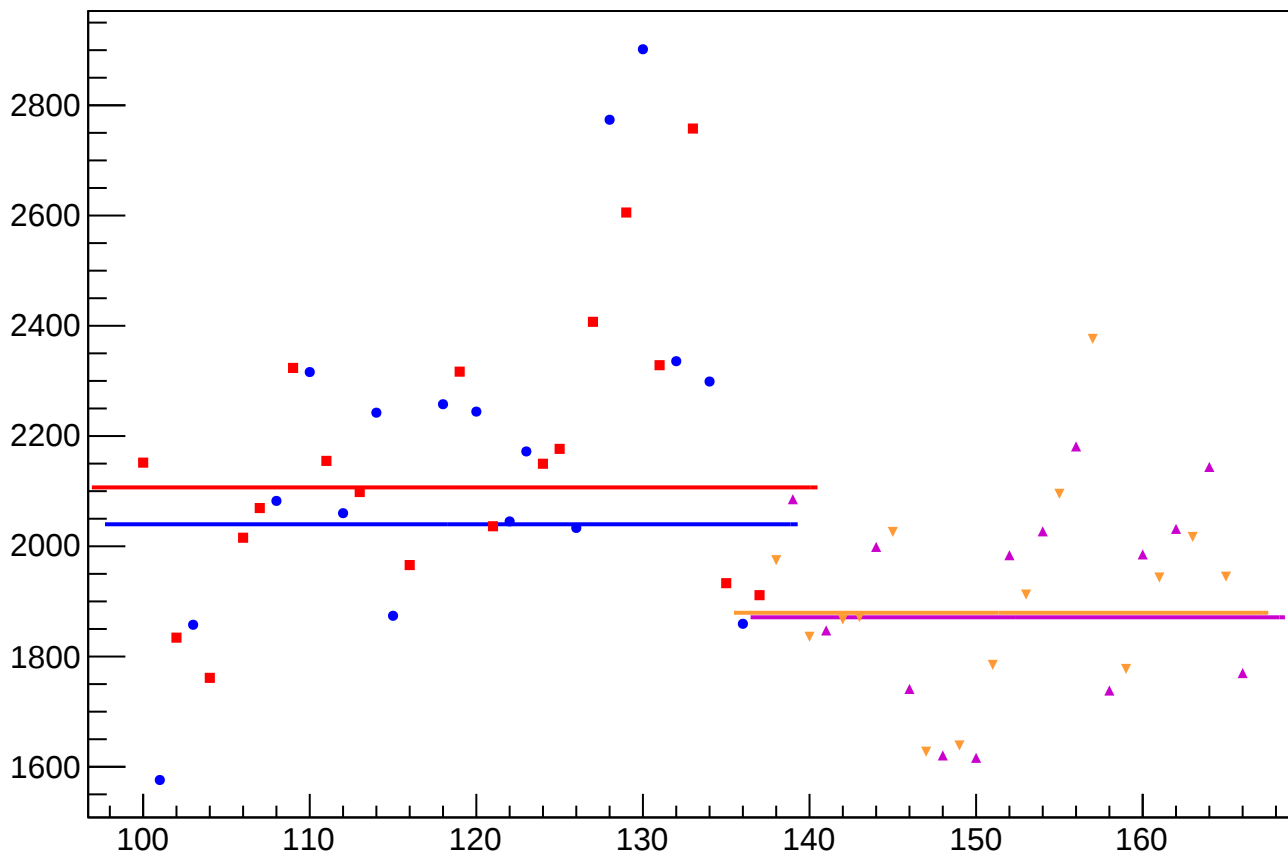
Right: 3021.022+/-564.924 χ^2/NDF : 30.5/35

In: 2028.329+/-464.691 χ^2/NDF : 35.7/30

Out: 1784.802+/-460.994 χ^2/NDF : 26.7/33

All: 1905.593+/-327.271 χ^2/NDF : 62.5/64

asym_usr_rms vs Slug, Sign Corrected



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: 1871.198 $\pm$ 0.403 χ^2 /NDF:207028.8/13

Left: 1875.337 $\pm$ 0.284 χ^2 /NDF: 396905.3/28

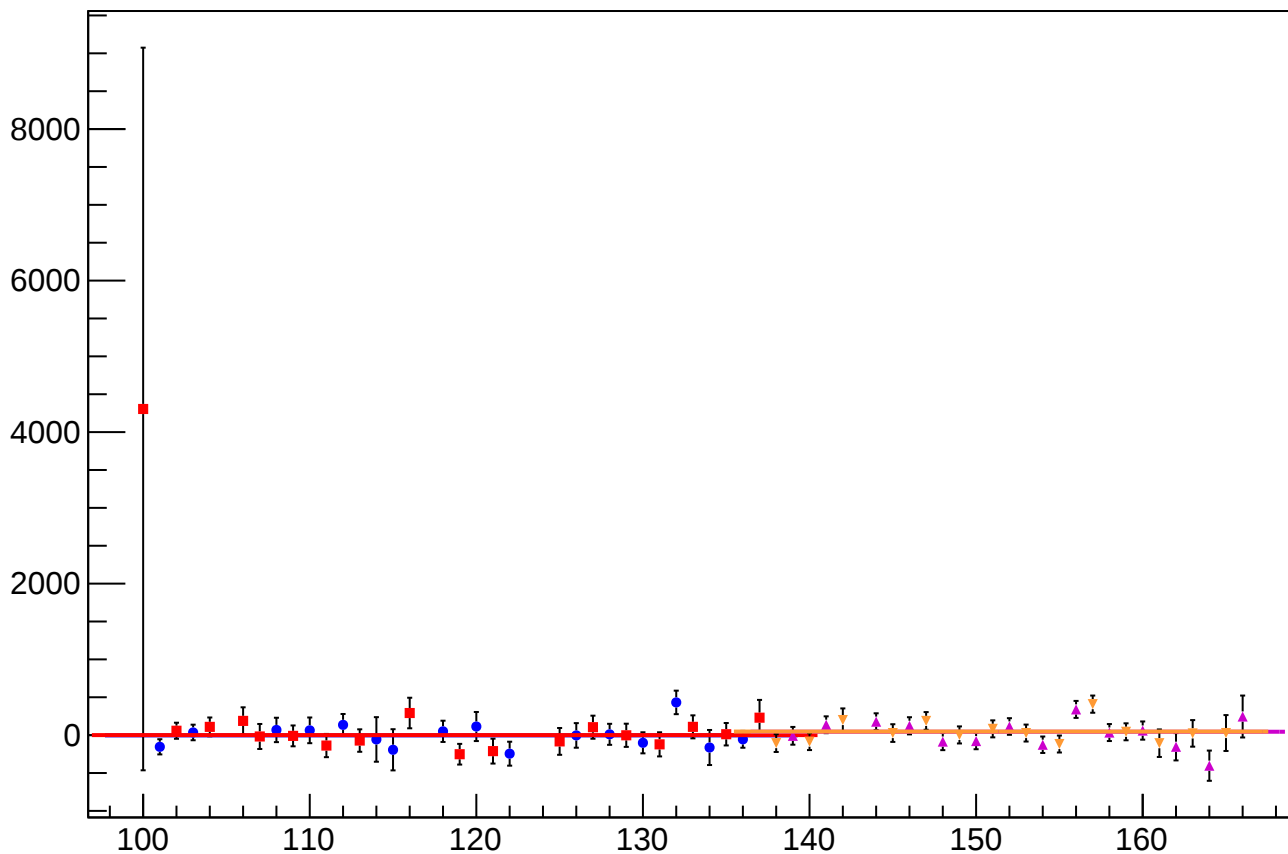
Right: 2073.664 $\pm$ 0.399 χ^2 /NDF: 534442.4/35

In: 1927.814 $\pm$ 0.329 χ^2 /NDF:597809.8/30

Out: 1955.758 $\pm$ 0.326 χ^2 /NDF:493663.3/33

All: 1941.897 $\pm$ 0.231 χ^2 /NDF: 1095118.3/64

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 47.323 ± 33.346 $\chi^2/\text{NDF}: 18.9/13$

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

Left In: 44.809 ± 32.553 $\chi^2/\text{NDF}: 22.1/13$

Left: 46.036 ± 23.294 $\chi^2/\text{NDF}: 41.0/27$

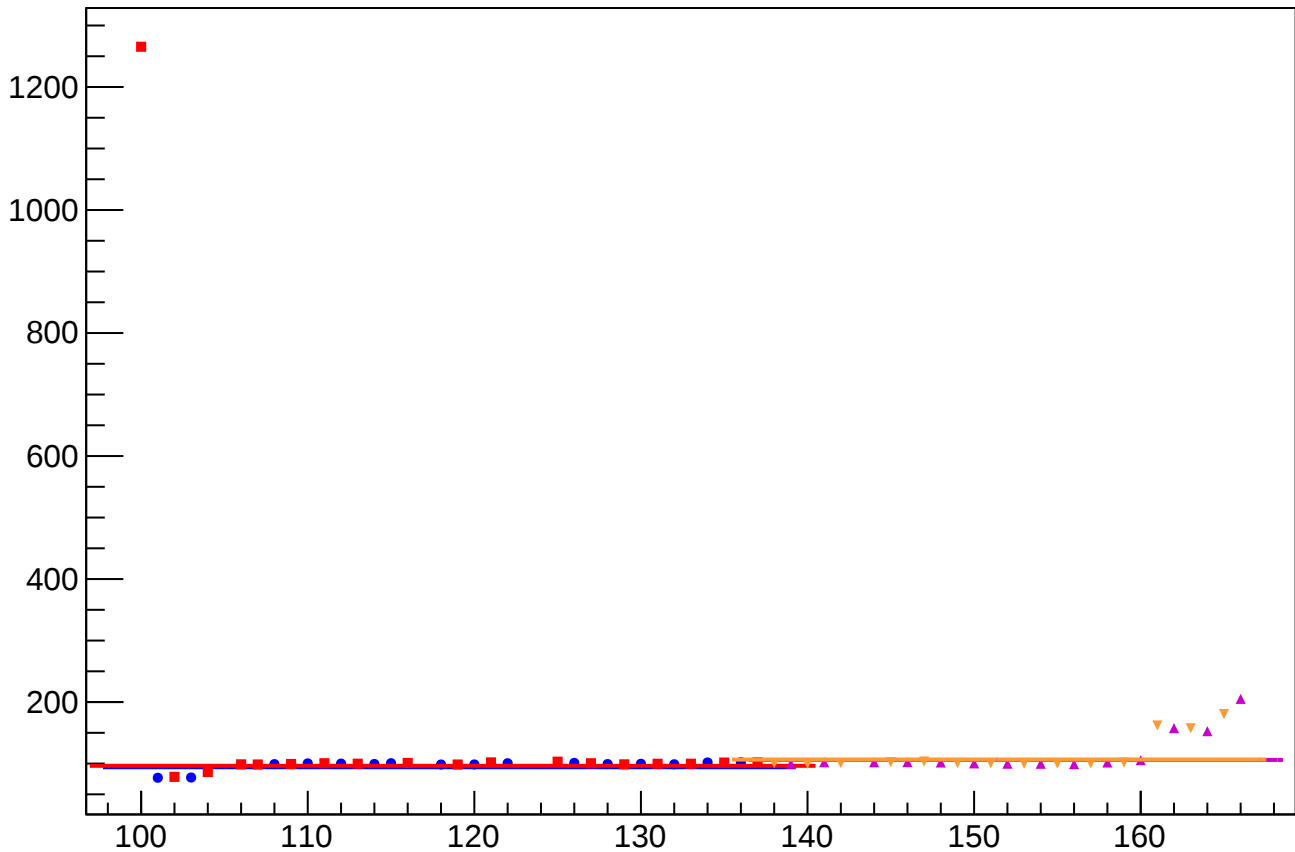
Right: -1.397 ± 25.955 $\chi^2/\text{NDF}: 30.1/33$

In: 23.641 ± 24.357 $\chi^2/\text{NDF}: 39.2/29$

Out: 26.142 ± 24.679 $\chi^2/\text{NDF}: 33.8/31$

All: 24.875 ± 17.336 $\chi^2/\text{NDF}: 73.0/61$

reg_asym_dsl_rms vs Slug, Sign Corrected



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: 105.940 $\pm$ 0.023 χ^2 /NDF: 575306.3/13

Left: 106.224 $\pm$ 0.016 χ^2 /NDF: 1180037.6/27

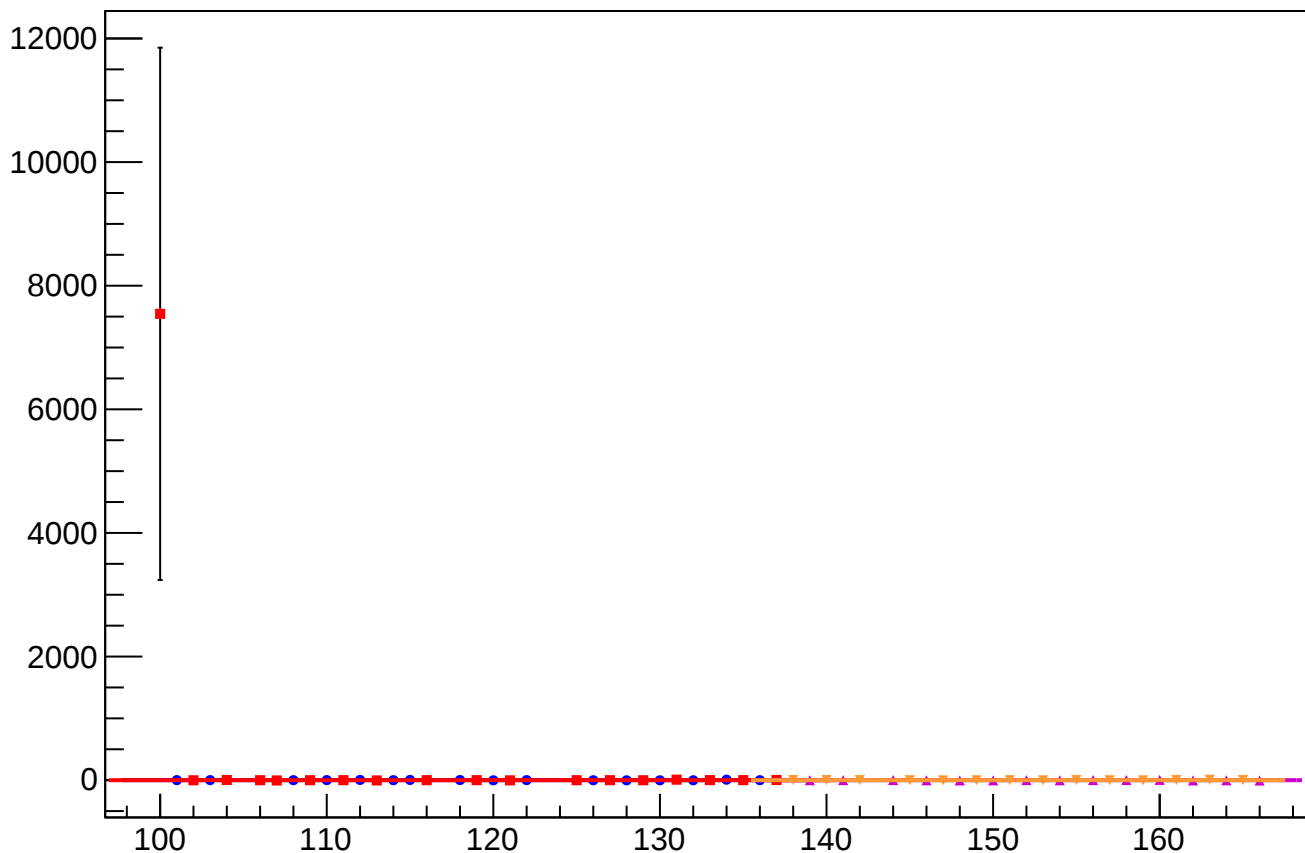
Right: 95.221 $\pm$ 0.018 χ^2 /NDF: 365453.7/33

In: 100.714 $\pm$ 0.017 χ^2 /NDF: 844660.7/29

Out: 101.932 $\pm$ 0.017 χ^2 /NDF: 897463.8/31

All: 101.315 $\pm$ 0.012 χ^2 /NDF: 1744592.3/61

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.426+/-0.616 χ^2/NDF : 9.7/15

Left Out: -0.388+/-0.578 χ^2/NDF : 19.3/13

Right Out: -0.313+/-0.643 χ^2/NDF : 22.8/17

Left In: -0.093+/-0.592 χ^2/NDF : 20.9/13

Left: -0.244+/-0.414 χ^2/NDF : 40.3/27

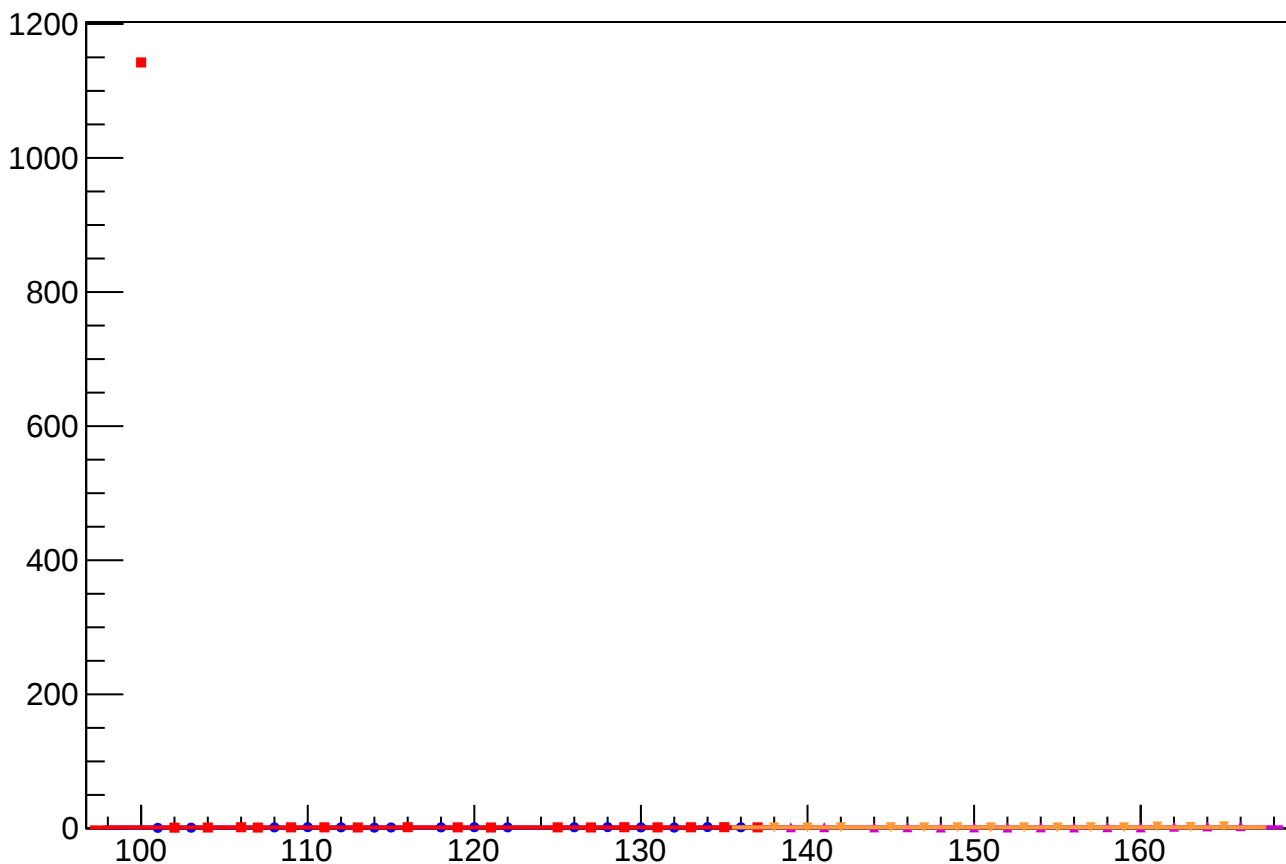
Right: 0.073+/-0.445 χ^2/NDF : 33.2/33

In: 0.156+/-0.427 χ^2/NDF : 31.0/29

Out: -0.354+/-0.430 χ^2/NDF : 42.1/31

All: -0.097+/-0.303 χ^2/NDF : 73.8/61

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.678+/-0.000 χ^2/NDF : 536672.5/13

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

Left In: 1.780+/-0.000 χ^2/NDF : 690957.3/13

Left: 1.728+/-0.000 χ^2/NDF : 1258345.0/27

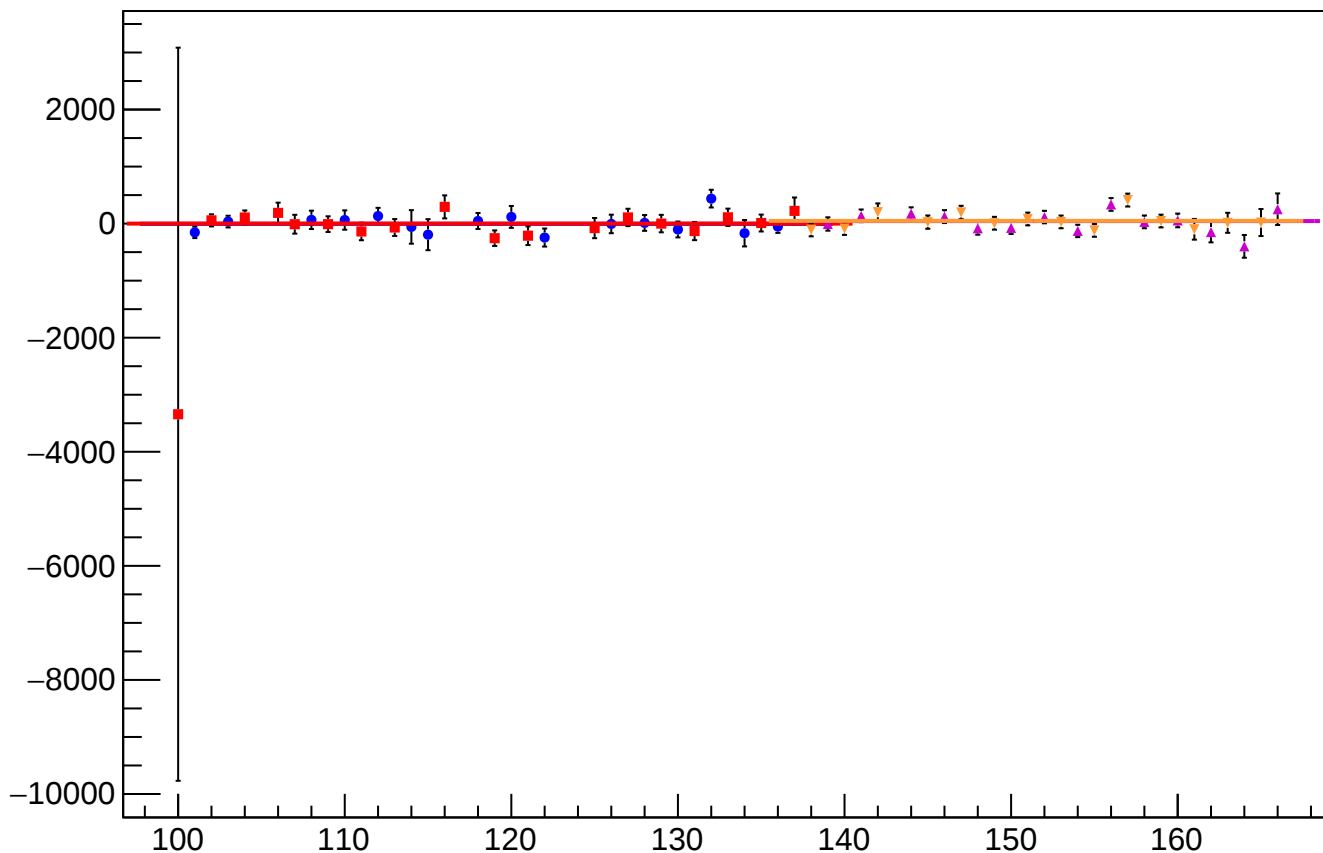
Right: 1.485+/-0.000 χ^2/NDF : 1093611.9/33

In: 1.607+/-0.000 χ^2/NDF : 1778786.5/29

Out: 1.623+/-0.000 χ^2/NDF : 892526.0/31

All: 1.615+/-0.000 χ^2/NDF : 2672710.1/61

asym_dsl_mean vs Slug, Sign Corrected



Right In: -3.099 ± 36.723 $\chi^2/\text{NDF}: 16.3/15$

Left Out: 48.160 ± 33.355 $\chi^2/\text{NDF}: 19.3/13$

Right Out: 0.172 ± 36.709 $\chi^2/\text{NDF}: 13.5/17$

Left In: 44.747 ± 32.563 $\chi^2/\text{NDF}: 21.6/13$

Left: 46.413 ± 23.300 $\chi^2/\text{NDF}: 41.0/27$

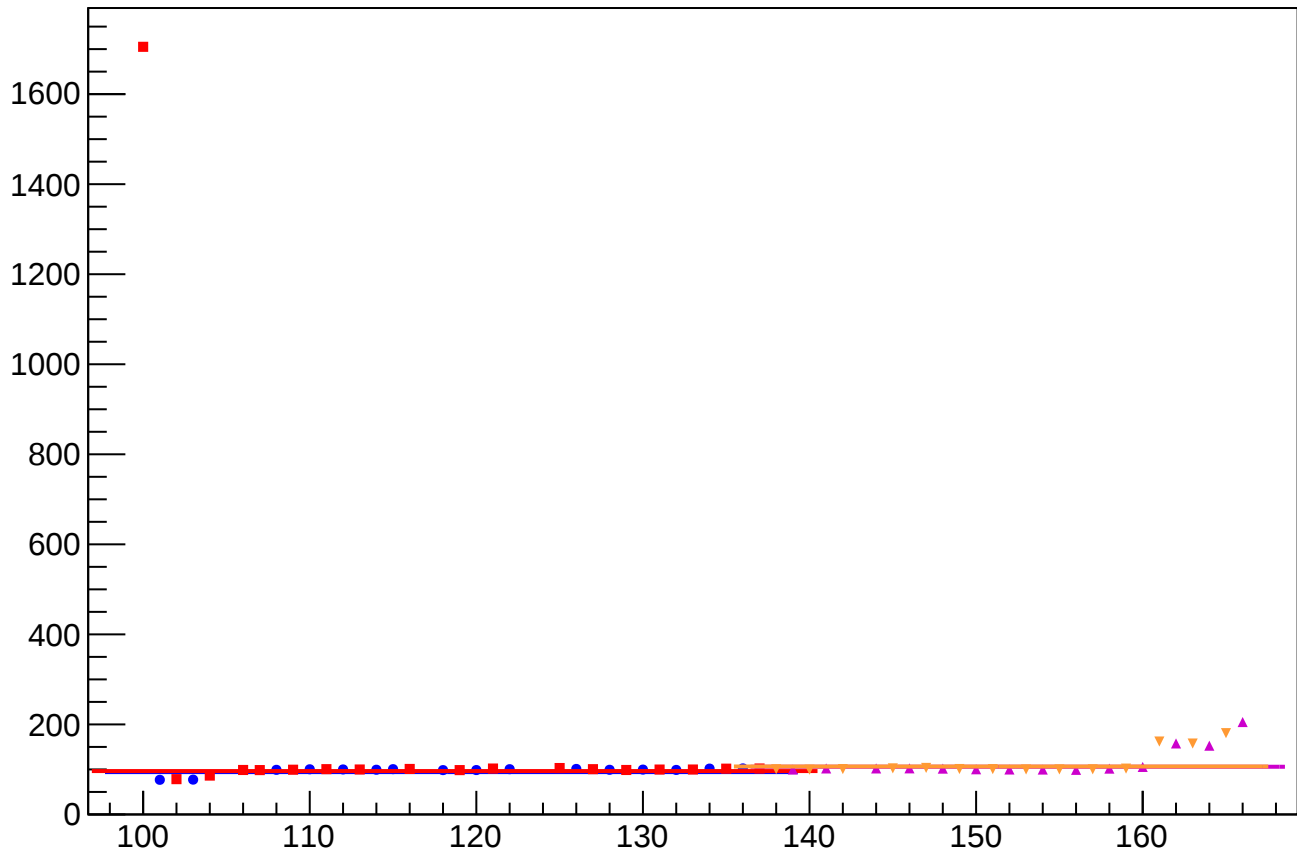
Right: -1.463 ± 25.962 $\chi^2/\text{NDF}: 29.8/33$

In: 23.687 ± 24.364 $\chi^2/\text{NDF}: 38.8/29$

Out: 26.458 ± 24.686 $\chi^2/\text{NDF}: 33.8/31$

All: 25.054 ± 17.341 $\chi^2/\text{NDF}: 72.7/61$

asym_dsl_rms vs Slug, Sign Corrected



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: 105.969+/-0.023 χ^2/NDF : 575406.3/13

Left: 106.253+/-0.016 χ^2/NDF : 1180526.2/27

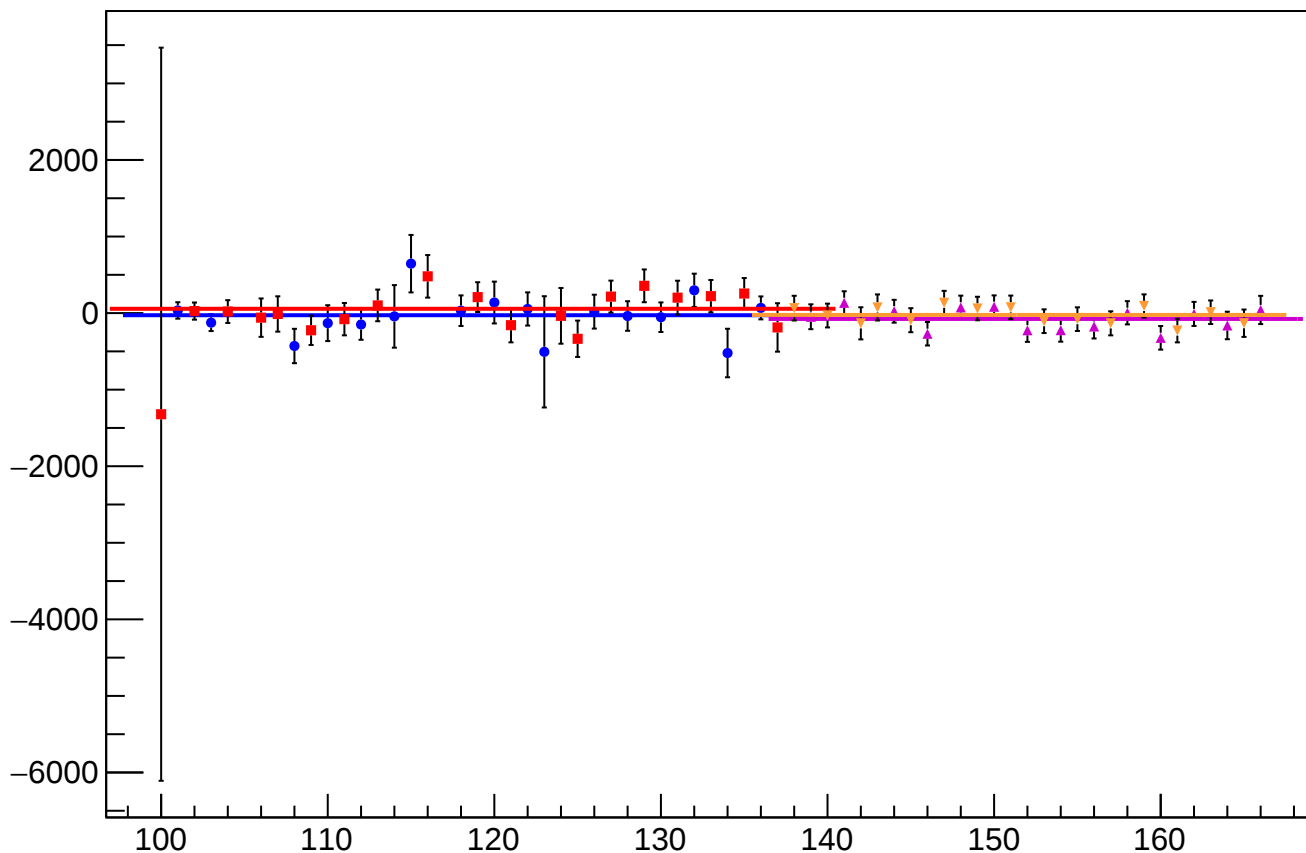
Right: 95.237+/-0.018 χ^2/NDF : 370551.8/33

In: 100.741+/-0.017 χ^2/NDF : 844811.9/29

Out: 101.952+/-0.017 χ^2/NDF : 903268.3/31

All: 101.339+/-0.012 χ^2/NDF : 1750517.2/61

reg_asym_dsr_mean vs Slug, Sign Corrected



Right In: -27.840 $\pm$ 46.777 χ^2 /NDF: 14.3/16

Left Out: -24.009 $\pm$ 41.258 χ^2 /NDF:6.5/14

Right Out: 56.398 $\pm$ 47.708 χ^2 /NDF: 14.9/18

Left In: -76.404 $\pm$ 41.797 χ^2 /NDF:12.1/13

Left: -49.867 $\pm$ 29.362 χ^2 /NDF: 19.4/28

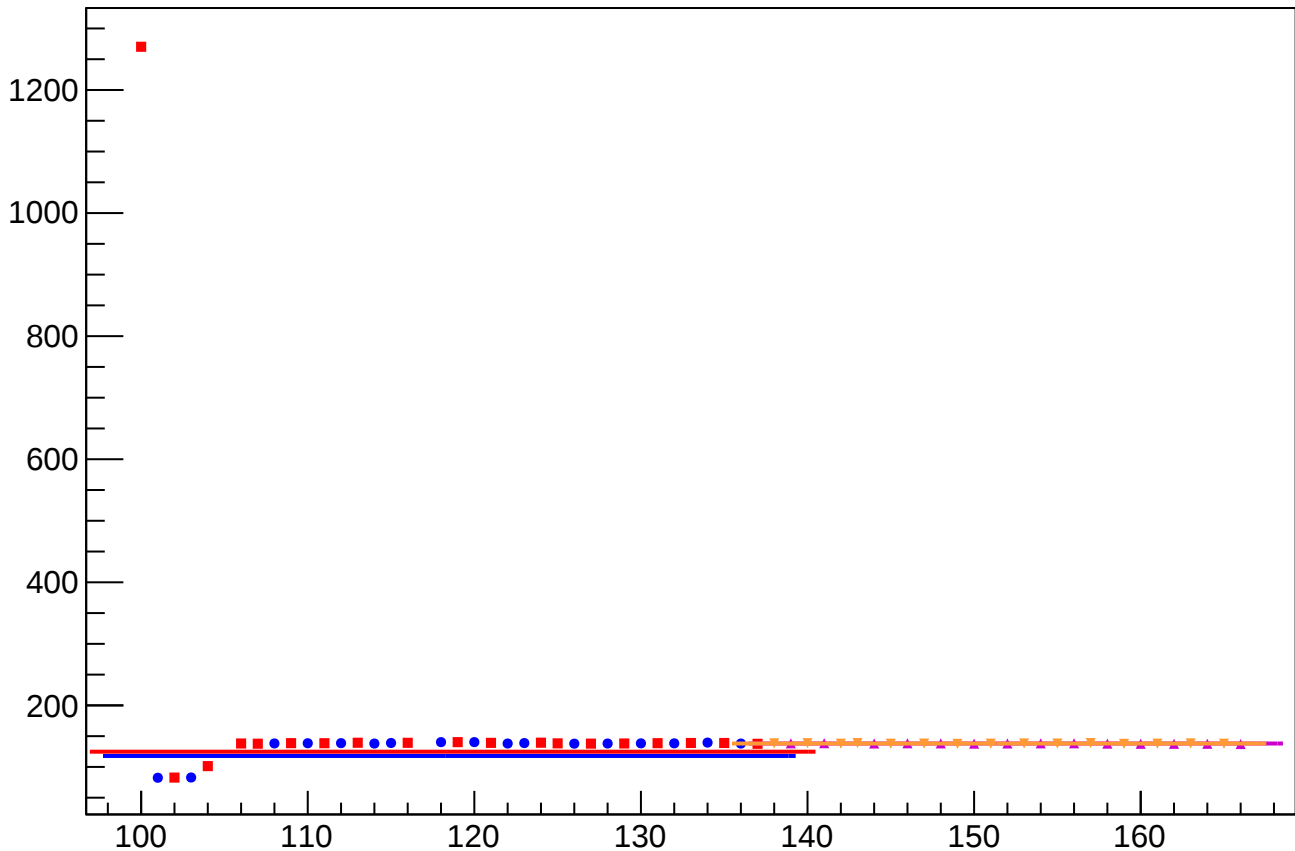
Right: 13.449 $\pm$ 33.401 χ^2 /NDF: 30.8/35

In: -54.844 $\pm$ 31.167 χ^2 /NDF:27.0/30

Out: 10.396 $\pm$ 31.207 χ^2 /NDF:23.0/33

All: -22.266 $\pm$ 22.053 χ^2 /NDF: 52.2/64

reg_asym_dsr_rms vs Slug, Sign Corrected



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: 138.054 $\pm$ 0.030 χ^2 /NDF:149.2/13

Left: 138.036 $\pm$ 0.021 χ^2 /NDF: 327.1/28

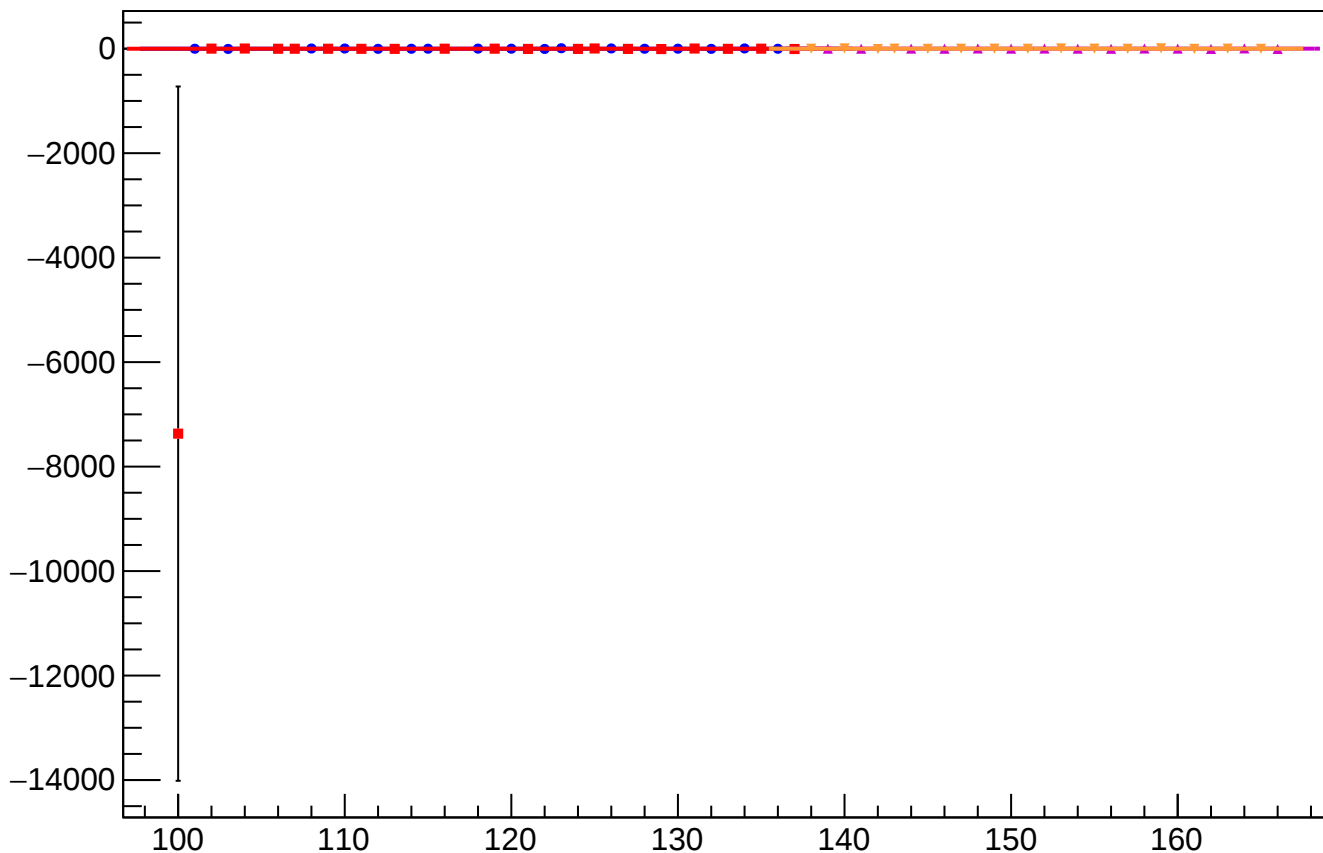
Right: 121.221 $\pm$ 0.024 χ^2 /NDF: 1257984.7/35

In: 129.069 $\pm$ 0.022 χ^2 /NDF:874921.0/30

Out: 132.347 $\pm$ 0.022 χ^2 /NDF:658267.2/33

All: 130.706 $\pm$ 0.016 χ^2 /NDF: 1544234.4/64

asym_dsr_correction_mean vs Slug, Sign Corrected



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: 1.000+/-0.710 χ^2 /NDF:12.4/13

Left: 0.719+/-0.502 χ^2 /NDF: 33.1/28

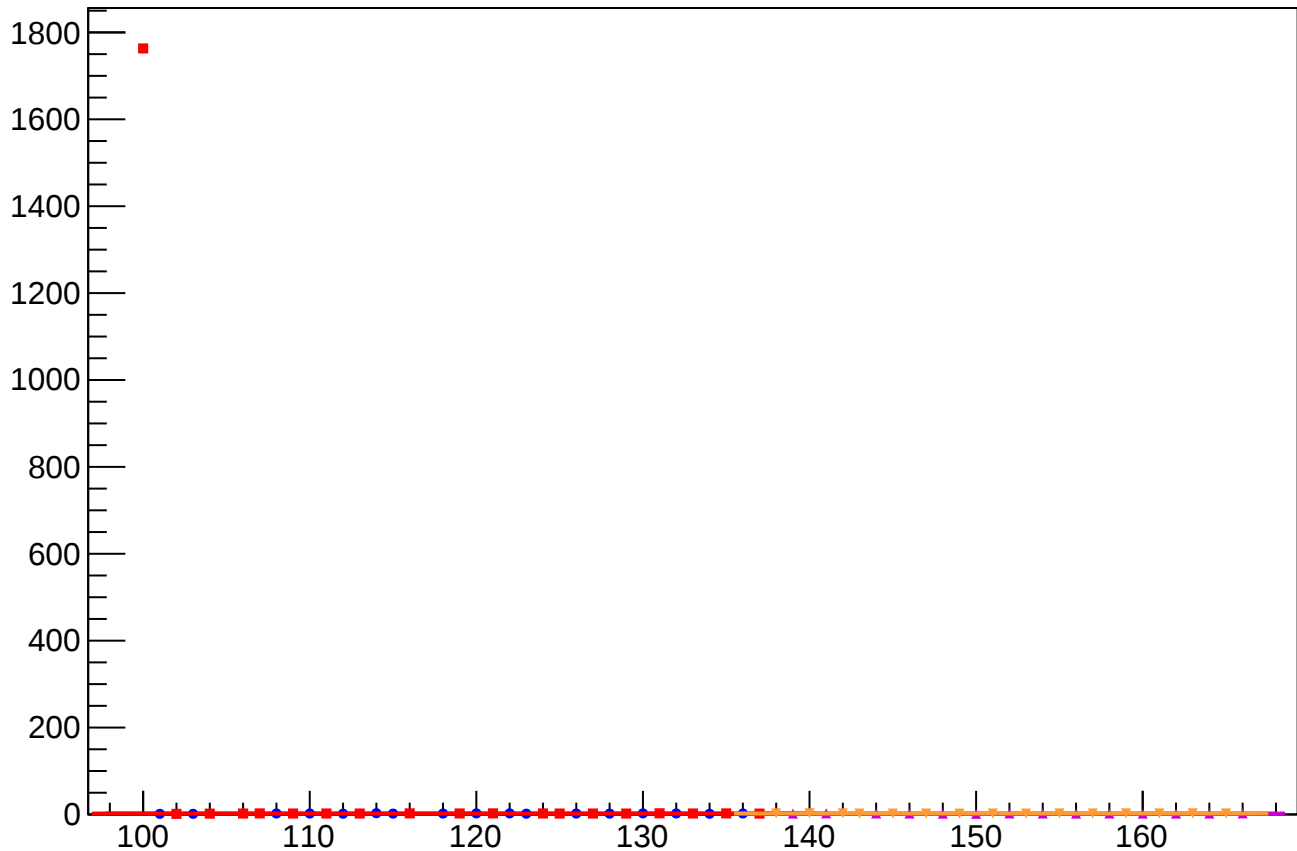
Right: -0.673+/-0.587 χ^2 /NDF: 26.3/35

In: 0.264+/-0.534 χ^2 /NDF:27.6/30

Out: -0.010+/-0.546 χ^2 /NDF:35.0/33

All: 0.130+/-0.382 χ^2 /NDF: 62.7/64

asym_dsr_correction_rms vs Slug, Sign Corrected



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: 2.102 $\pm$ 0.001 χ^2 /NDF: 298334.2/13

Left: 2.142 $\pm$ 0.000 χ^2 /NDF: 524196.3/28

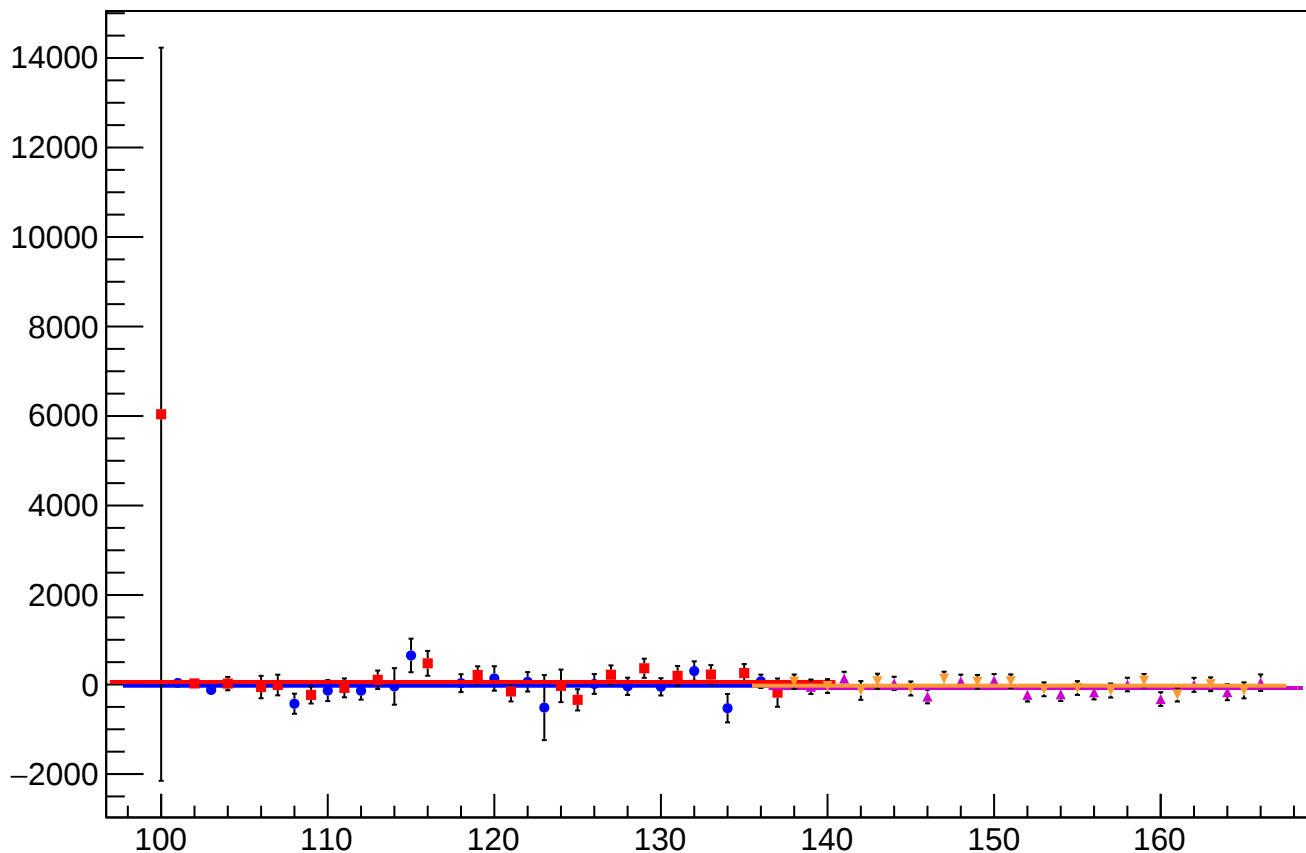
Right: 1.962 $\pm$ 0.000 χ^2 /NDF: 1074296.8/35

In: 2.001 $\pm$ 0.000 χ^2 /NDF: 884683.6/30

Out: 2.134 $\pm$ 0.000 χ^2 /NDF: 760811.9/33

All: 2.066 $\pm$ 0.000 χ^2 /NDF: 1706808.3/64

asym_dsr_mean vs Slug, Sign Corrected



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: -77.086+/-41.808 χ^2/NDF : 12.1/13

Left: -50.734+/-29.370 χ^2/NDF : 19.2/28

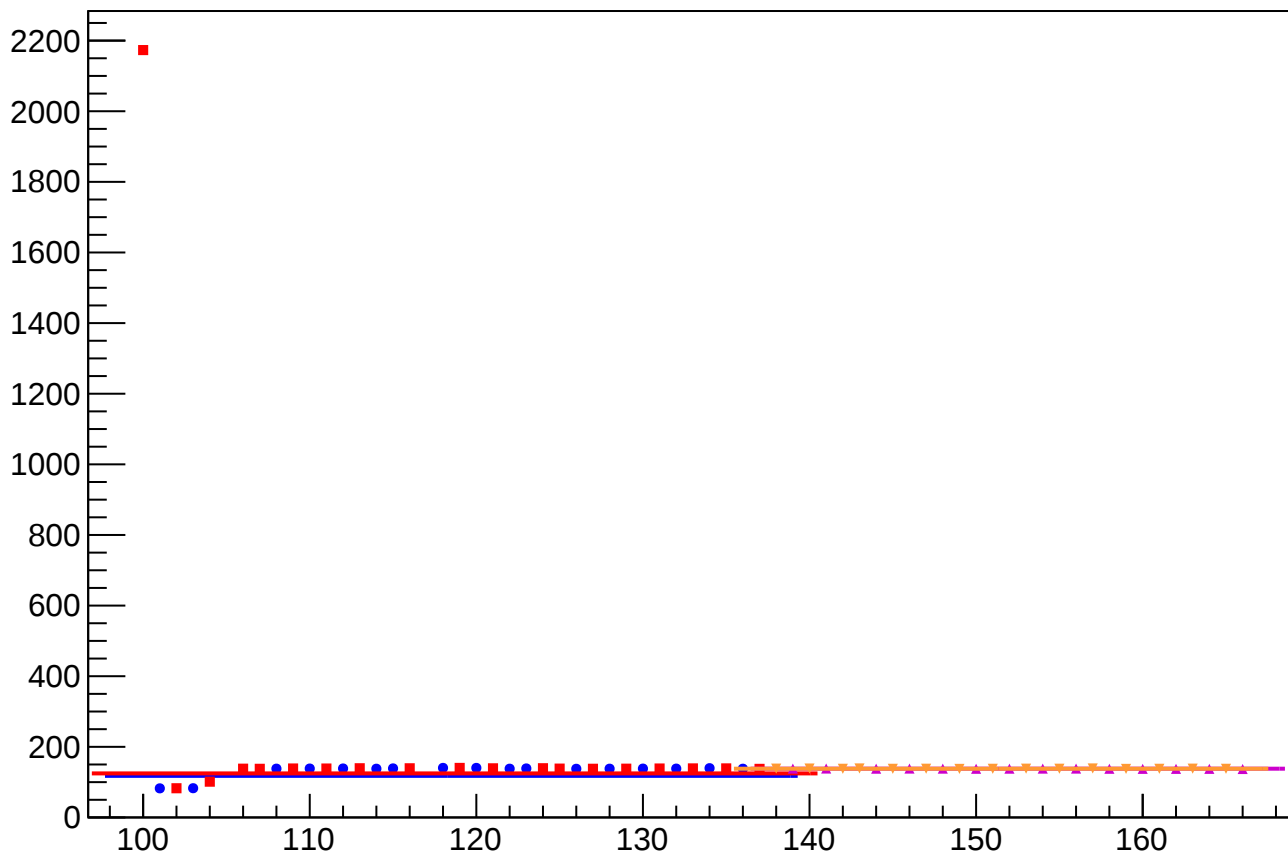
Right: 14.681+/-33.410 χ^2/NDF : 31.4/35

In: -54.521+/-31.176 χ^2/NDF : 27.2/30

Out: 10.167+/-31.216 χ^2/NDF : 23.5/33

All: -22.219+/-22.059 χ^2/NDF : 52.8/64

asym_dsr_rms vs Slug, Sign Corrected



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: 138.092 $\pm$ 0.030 χ^2 /NDF:147.7/13

Left: 138.073 $\pm$ 0.021 χ^2 /NDF: 325.4/28

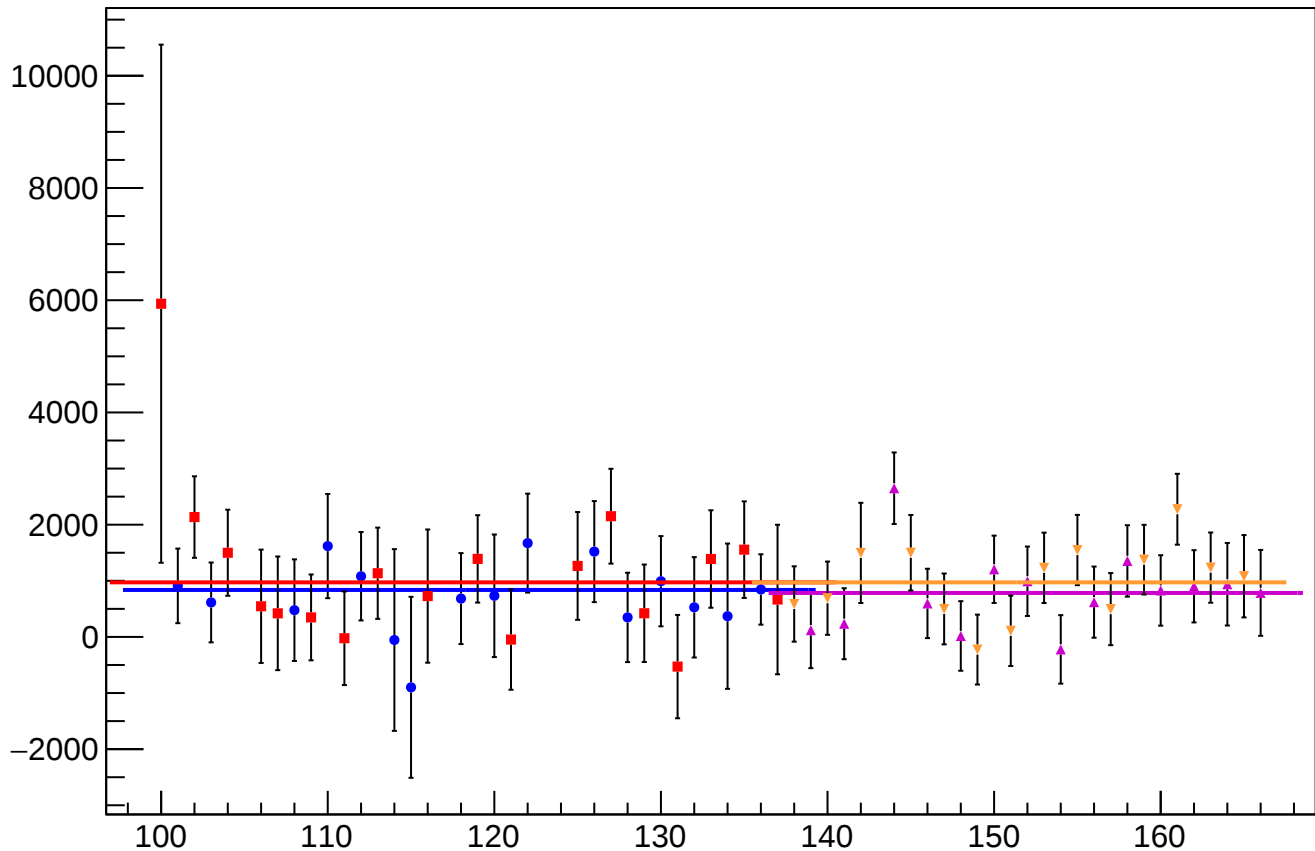
Right: 121.231 $\pm$ 0.024 χ^2 /NDF: 1268326.7/35

In: 129.104 $\pm$ 0.022 χ^2 /NDF:874970.6/30

Out: 132.363 $\pm$ 0.022 χ^2 /NDF:669425.3/33

All: 130.731 $\pm$ 0.016 χ^2 /NDF: 1555309.1/64

reg_asym_left_avg_mean vs Slug, Sign Corrected



Right In: 837.048 $\pm$ 216.181 χ^2 /NDF: 4.7/15

Left Out: 972.213 $\pm$ 174.893 χ^2 /NDF:14.1/13

Right Out: 972.425 $\pm$ 212.746 χ^2 /NDF: 14.3/17

Left In: 783.659 $\pm$ 171.735 χ^2 /NDF:16.2/13

Left: 876.218 $\pm$ 122.536 χ^2 /NDF: 30.9/27

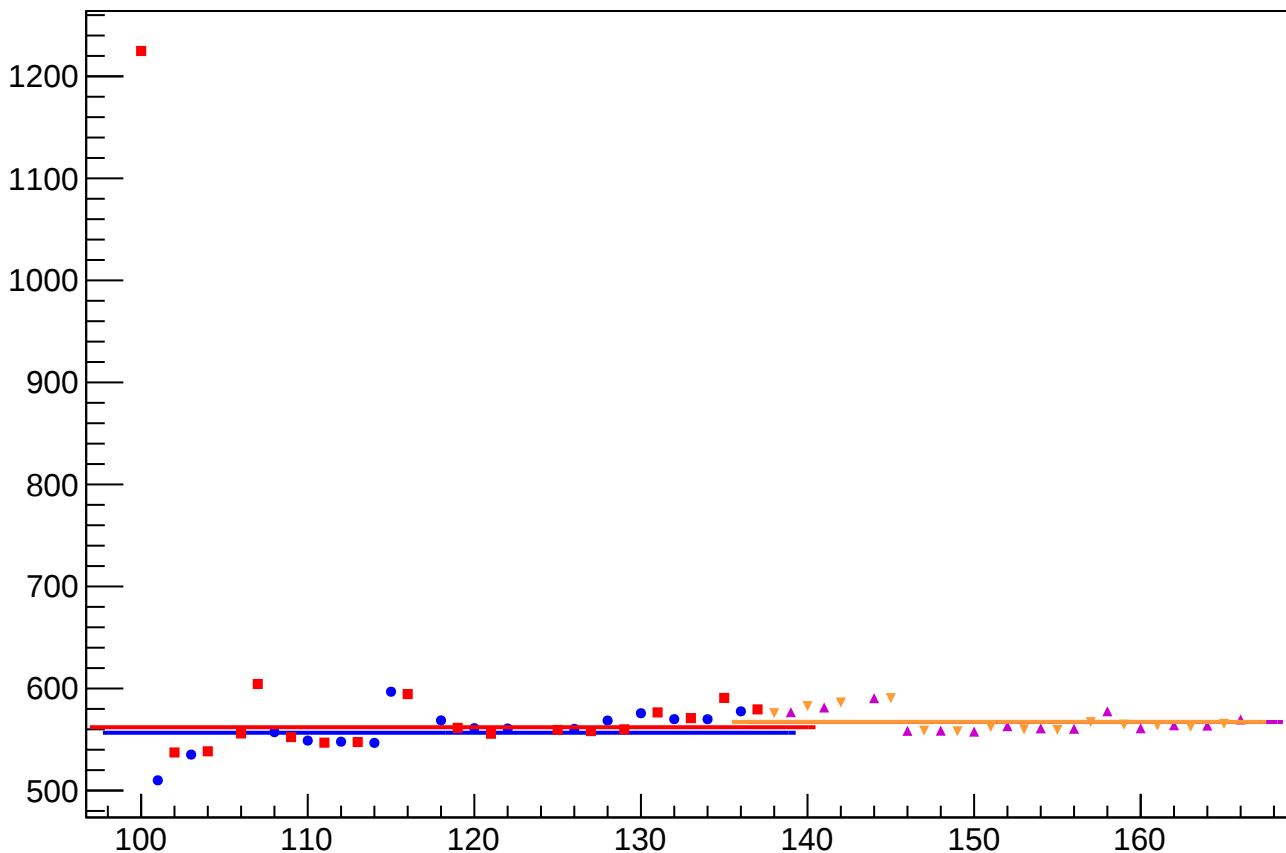
Right: 905.821 $\pm$ 151.634 χ^2 /NDF: 19.2/33

In: 804.315 $\pm$ 134.469 χ^2 /NDF:20.9/29

Out: 972.299 $\pm$ 135.102 χ^2 /NDF:28.4/31

All: 887.913 $\pm$ 95.307 χ^2 /NDF: 50.1/61

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 567.304 $\pm$ 0.124 χ^2 /NDF: 6484.4/13

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

Left In: 567.184 $\pm$ 0.121 χ^2 /NDF: 6729.6/13

Left: 567.243 $\pm$ 0.087 χ^2 /NDF: 13214.5/27

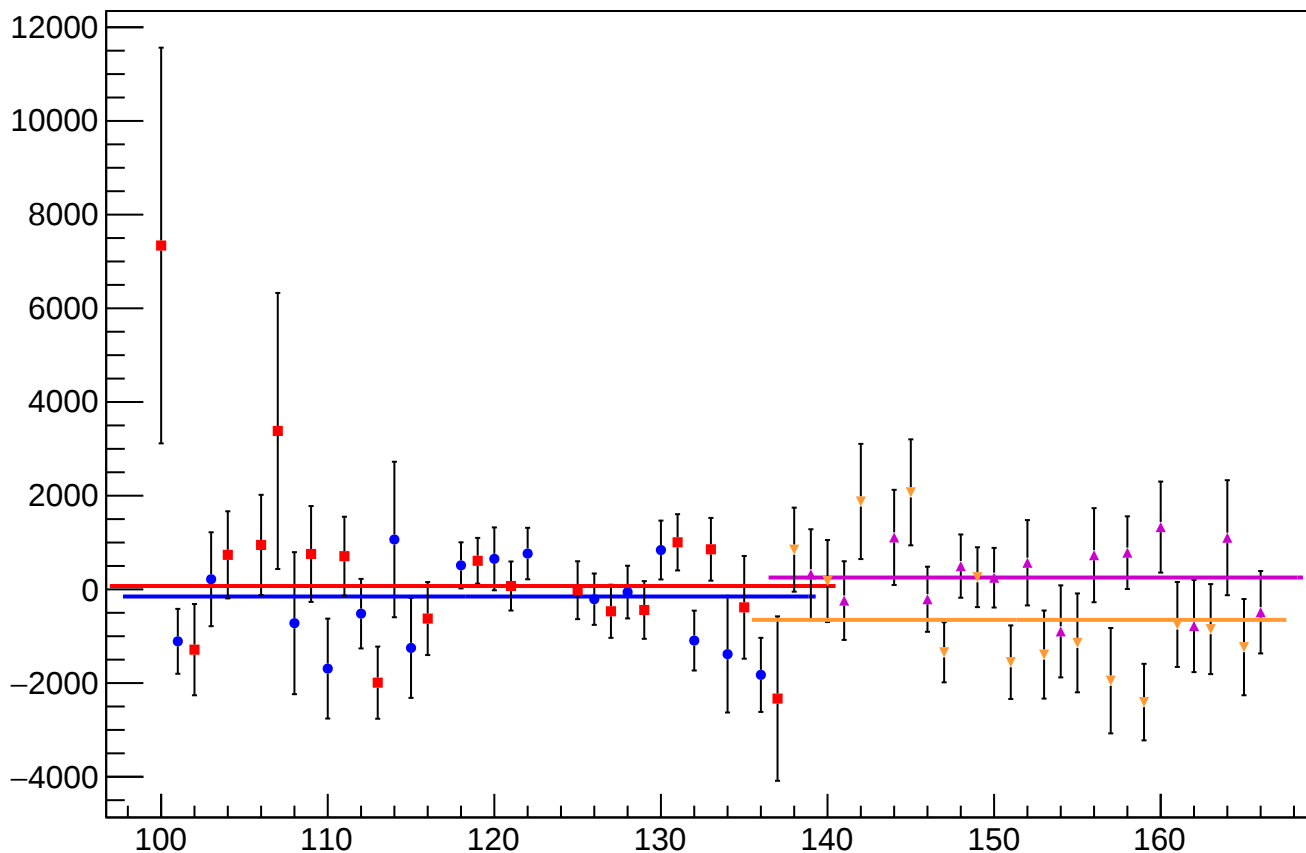
Right: 559.386 $\pm$ 0.107 χ^2 /NDF: 74603.5/33

In: 563.103 $\pm$ 0.095 χ^2 /NDF: 28039.8/29

Out: 565.185 $\pm$ 0.096 χ^2 /NDF: 62788.2/31

All: 564.139 $\pm$ 0.067 χ^2 /NDF: 91066.4/61

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -151.876 $\pm$ 180.078 χ^2/NDF : 22.3/15

Left Out: -650.491 $\pm$ 235.331 χ^2/NDF : 25.4/13

Right Out: 71.760 $\pm$ 178.665 χ^2/NDF : 25.0/17

Left In: 252.821 $\pm$ 228.565 χ^2/NDF : 7.3/13

Left: -185.664 $\pm$ 163.960 χ^2/NDF : 40.3/27

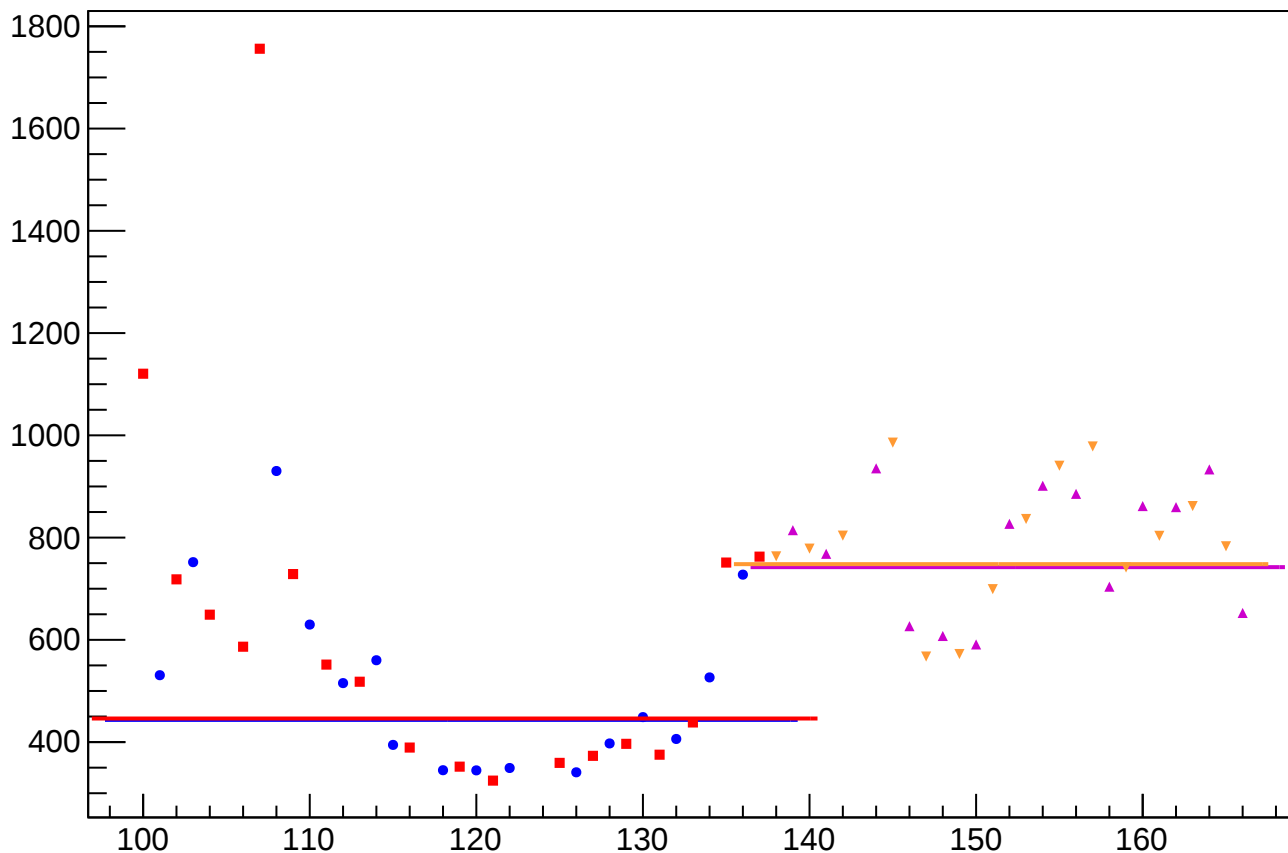
Right: -39.177 $\pm$ 126.832 χ^2/NDF : 48.1/33

In: 3.120 $\pm$ 141.451 χ^2/NDF : 31.6/29

Out: -192.326 $\pm$ 142.301 χ^2/NDF : 56.4/31

All: -94.018 $\pm$ 100.320 χ^2/NDF : 88.9/61

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 748.063+/-0.166 χ^2/NDF : 619023.9/13

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

Left In: 742.196+/-0.162 χ^2/NDF : 576516.4/13

Left: 745.044+/-0.116 χ^2/NDF : 1196180.1/27

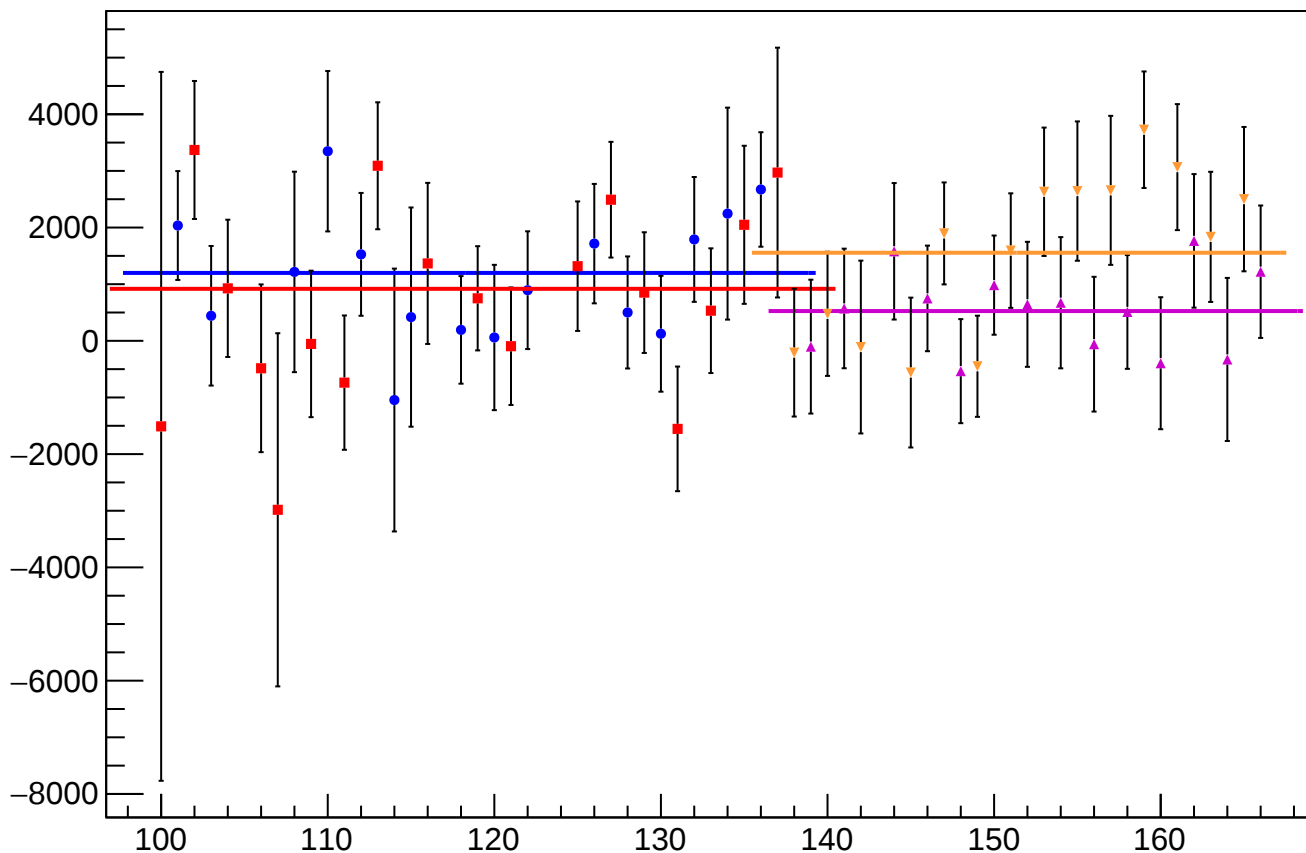
Right: 444.809+/-0.090 χ^2/NDF : 2521153.2/33

In: 557.868+/-0.100 χ^2/NDF : 3745598.3/29

Out: 556.541+/-0.101 χ^2/NDF : 4167251.7/31

All: 557.208+/-0.071 χ^2/NDF : 7912937.6/61

asym_left_avg_mean vs Slug, Sign Corrected



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: 525.711 $\pm$ 290.168 χ^2 /NDF:5.4/13

Left: 1026.116 $\pm$ 208.031 χ^2 /NDF: 33.2/27

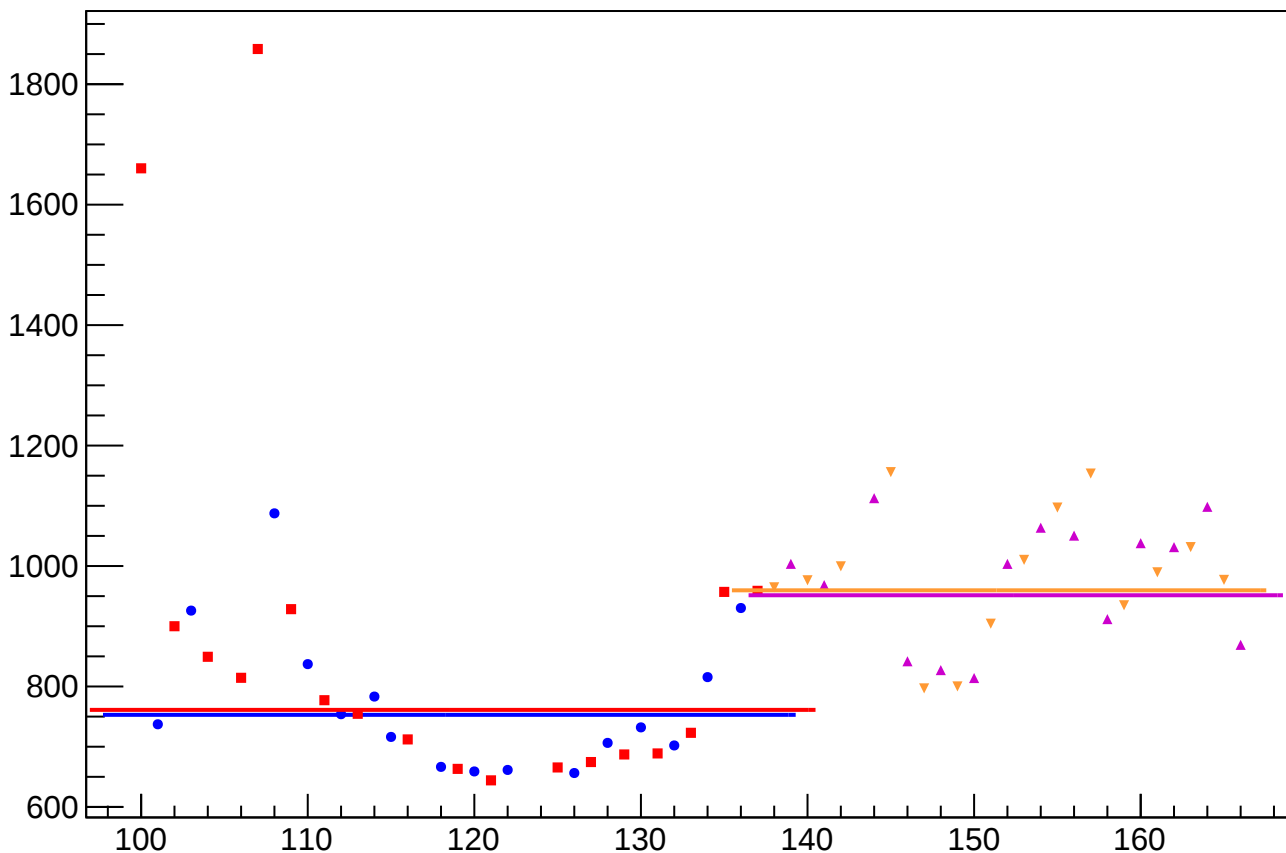
Right: 1057.763 $\pm$ 208.076 χ^2 /NDF: 34.9/33

In: 856.505 $\pm$ 206.951 χ^2 /NDF:19.3/29

Out: 1231.373 $\pm$ 209.174 χ^2 /NDF:47.2/31

All: 1041.936 $\pm$ 147.116 χ^2 /NDF: 68.1/61

asym_left_avg_rms vs Slug, Sign Corrected



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: 951.467 $\pm$ 0.205 χ^2 /NDF:244838.7/13

Left: 955.447 $\pm$ 0.147 χ^2 /NDF: 509946.3/27

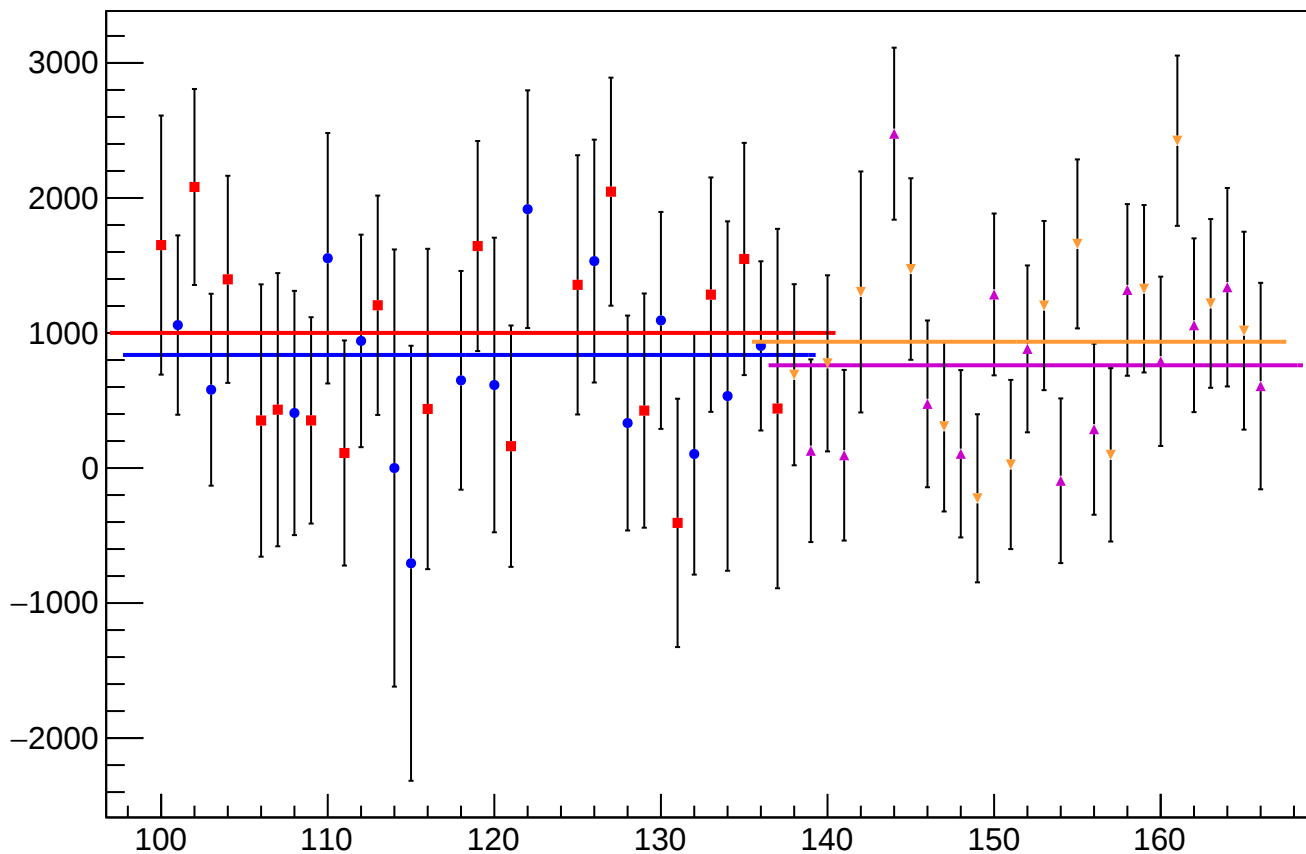
Right: 757.076 $\pm$ 0.147 χ^2 /NDF: 770443.9/33

In: 853.923 $\pm$ 0.146 χ^2 /NDF:957364.7/29

Out: 858.694 $\pm$ 0.148 χ^2 /NDF:1231592.4/31

All: 856.283 $\pm$ 0.104 χ^2 /NDF: 2189482.8/61

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 935.231 $\pm$ 174.737 χ^2 /NDF: 17.0/13

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

Left In: 760.938 $\pm$ 171.597 χ^2 /NDF: 15.5/13

Left: 846.504 $\pm$ 122.432 χ^2 /NDF: 33.0/27

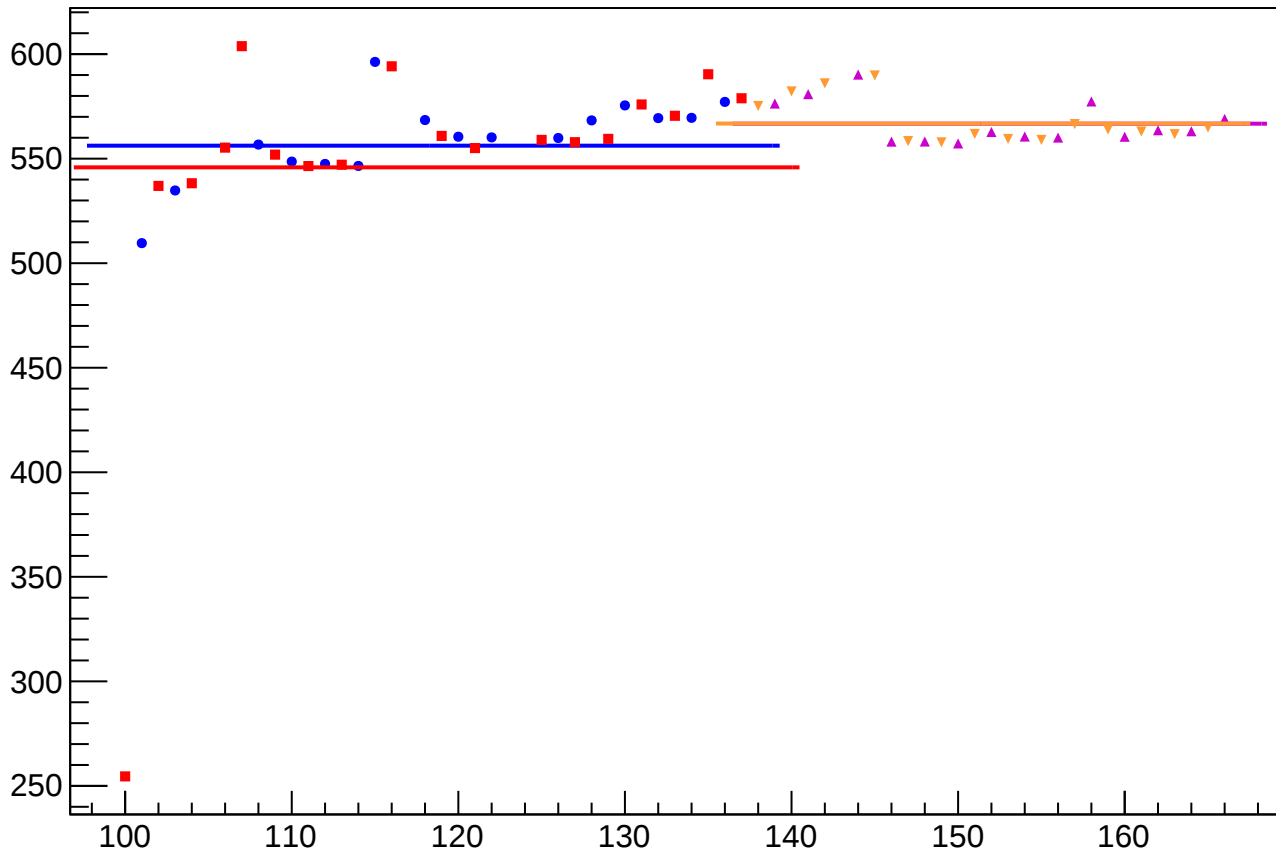
Right: 922.267 $\pm$ 149.737 χ^2 /NDF: 18.5/33

In: 790.581 $\pm$ 134.363 χ^2 /NDF: 21.3/29

Out: 962.322 $\pm$ 133.724 χ^2 /NDF: 29.6/31

All: 876.861 $\pm$ 94.782 χ^2 /NDF: 51.7/61

reg_asym_left_dd_rms vs Slug, Sign Corrected



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: 566.728 $\pm$ 0.121 χ^2 /NDF: 6759.2/13

Left: 566.762 $\pm$ 0.087 χ^2 /NDF: 13200.6/27

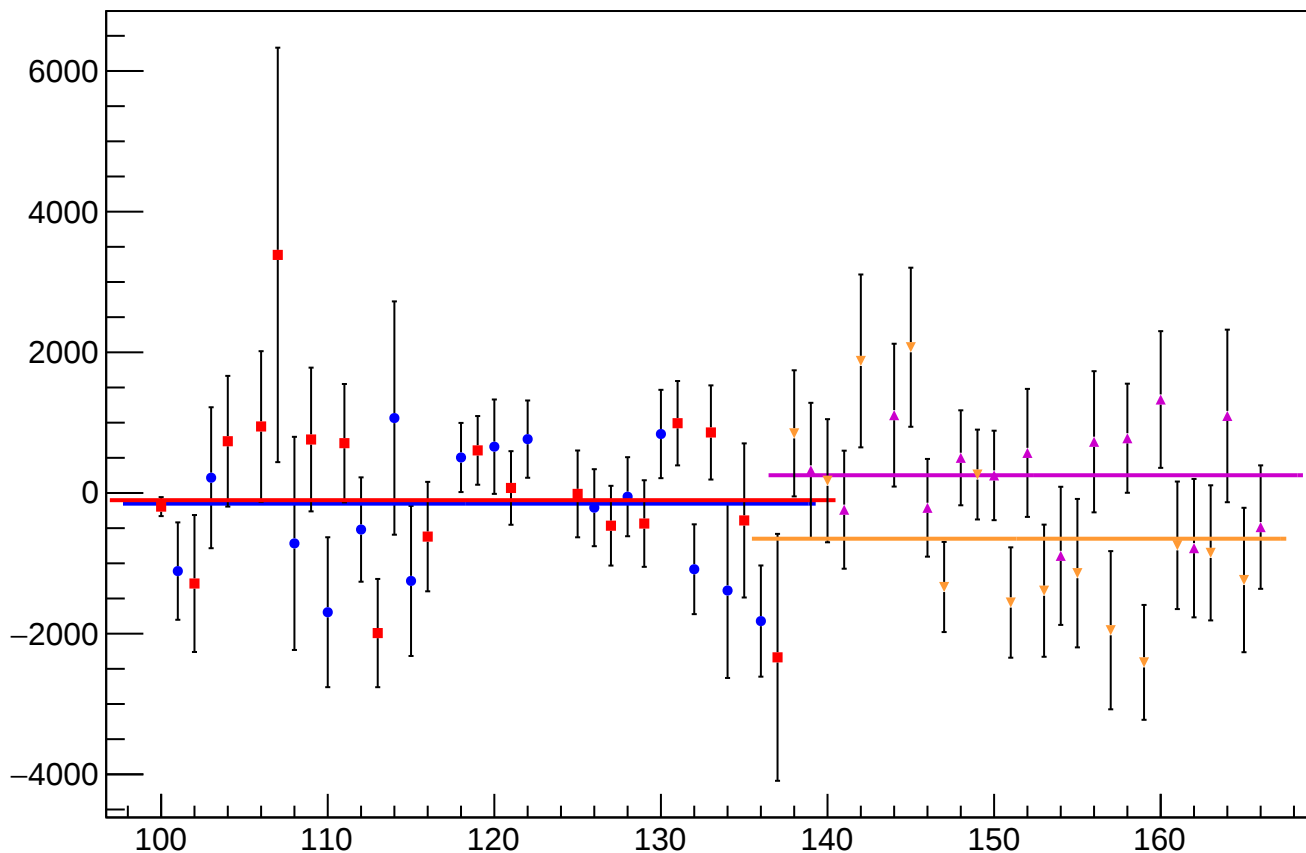
Right: 550.825 $\pm$ 0.106 χ^2 /NDF: 228450.1/33

In: 562.659 $\pm$ 0.095 χ^2 /NDF: 28083.7/29

Out: 558.116 $\pm$ 0.095 χ^2 /NDF: 225996.9/31

All: 560.377 $\pm$ 0.067 χ^2 /NDF: 255229.2/61

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -649.906+/-235.225 χ^2/NDF : 25.4/13

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

Left In: 252.472+/-228.435 χ^2/NDF : 7.3/13

Left: -185.505+/-163.876 χ^2/NDF : 40.3/27

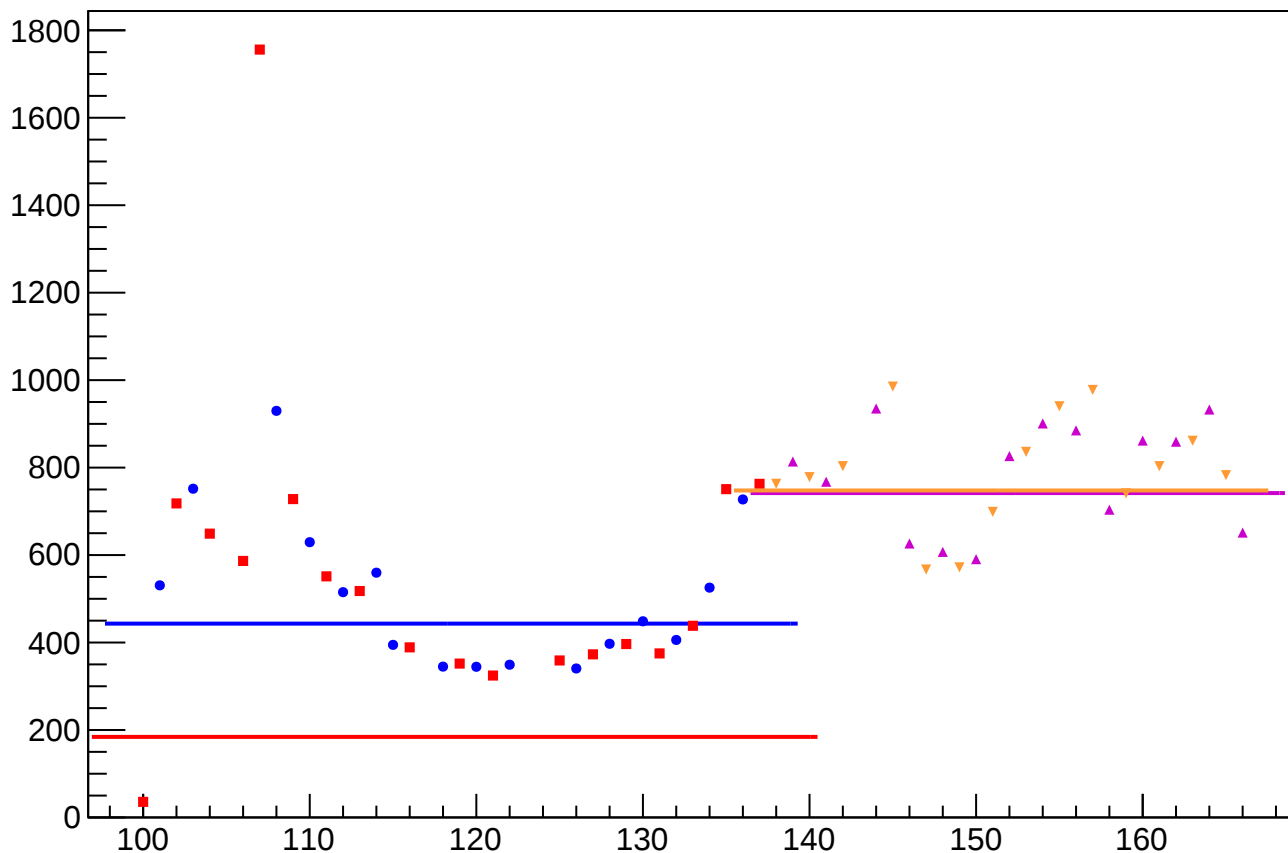
Right: -115.099+/-92.423 χ^2/NDF : 45.6/33

In: 3.260+/-141.378 χ^2/NDF : 31.5/29

Out: -197.031+/-97.929 χ^2/NDF : 53.1/31

All: -132.089+/-80.503 χ^2/NDF : 86.0/61

asym_left_dd_correction_rms vs Slug, Sign Corrected



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: 741.761+/-0.162 χ^2/NDF : 577183.9/13

Left: 744.658+/-0.116 χ^2/NDF : 1197318.4/27

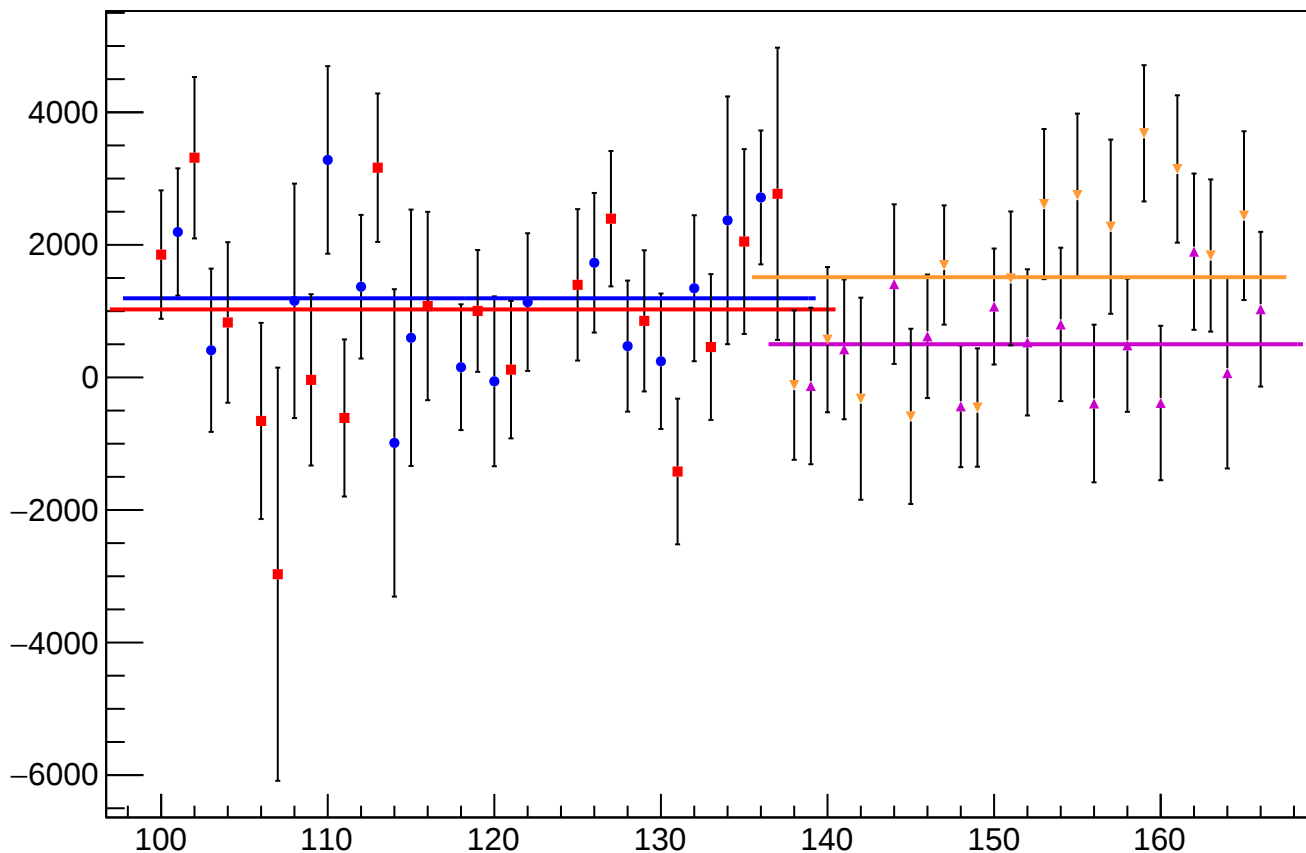
Right: 252.512+/-0.065 χ^2/NDF : 12190461.3/33

In: 557.584+/-0.100 χ^2/NDF : 3745214.5/29

Out: 281.886+/-0.069 χ^2/NDF : 18187990.9/31

All: 371.276+/-0.057 χ^2/NDF : 27072835.8/63

asym_left_dd_mean vs Slug, Sign Corrected



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: 500.843 $\pm$ 289.980 χ^2 /NDF:5.2/13

Left: 992.436 $\pm$ 207.902 χ^2 /NDF: 32.4/27

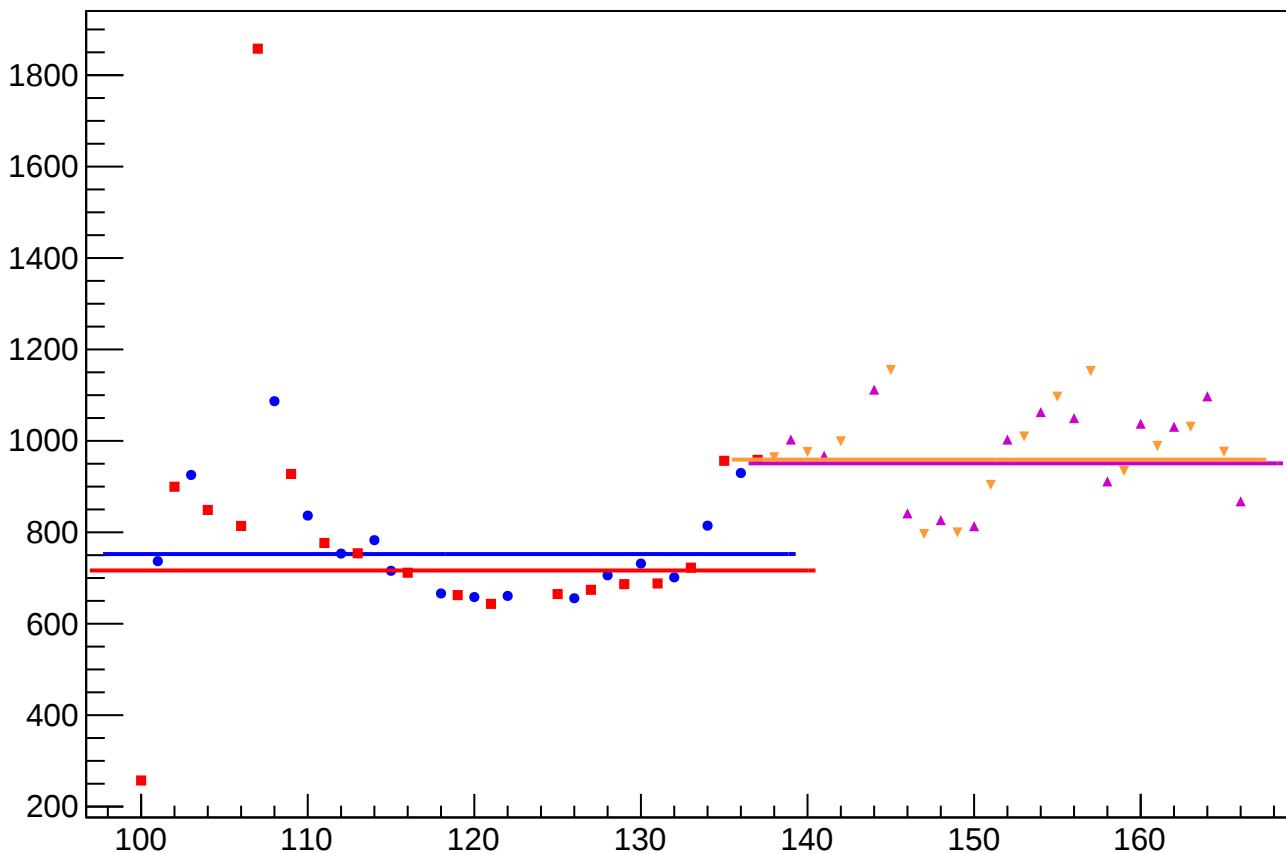
Right: 1105.849 $\pm$ 203.414 χ^2 /NDF: 33.9/33

In: 841.346 $\pm$ 206.814 χ^2 /NDF:19.2/29

Out: 1254.658 $\pm$ 204.448 χ^2 /NDF:45.2/31

All: 1050.380 $\pm$ 145.396 χ^2 /NDF: 66.4/61

asym_left_dd_rms vs Slug, Sign Corrected



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: 950.841+/-0.205 χ^2/NDF : 245171.0/13

Left: 954.851+/-0.147 χ^2/NDF : 510227.6/27

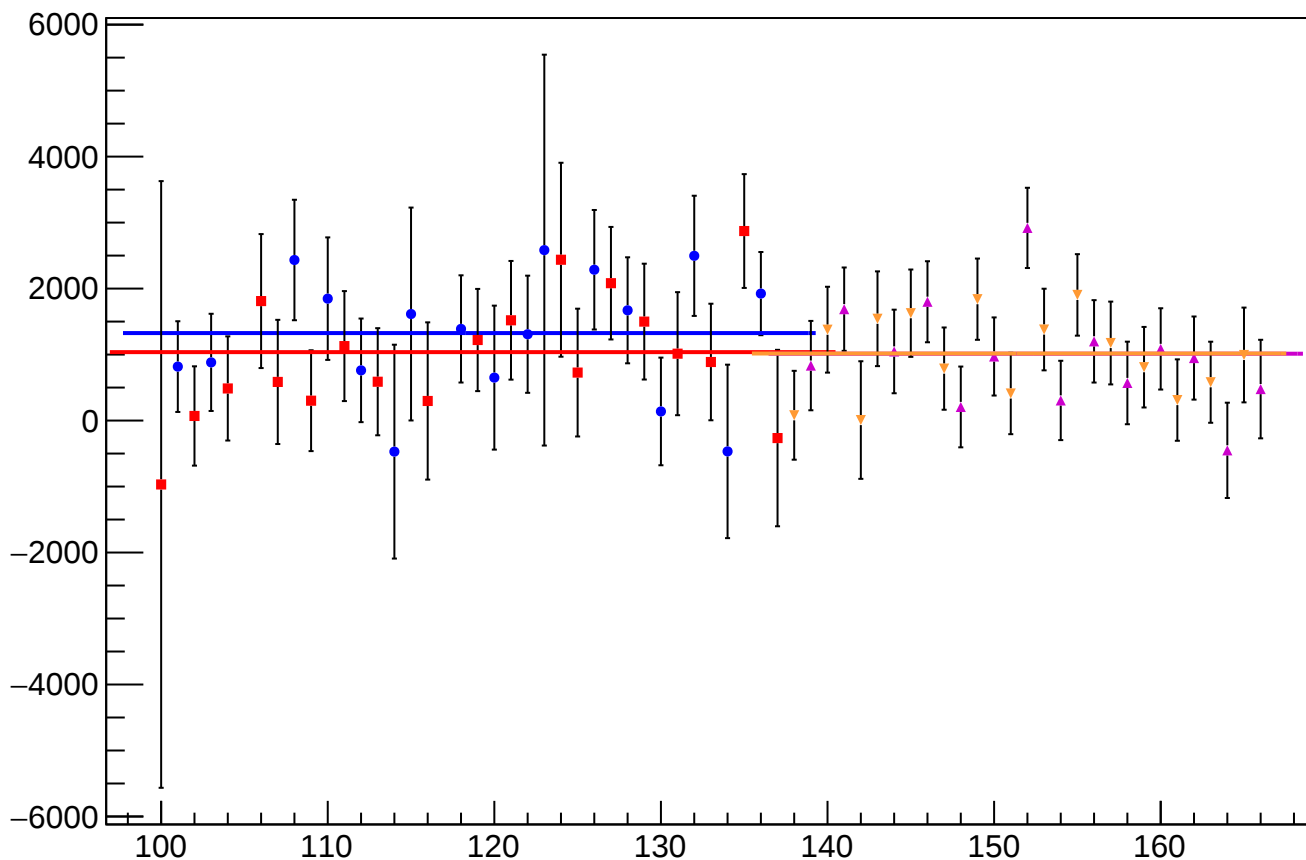
Right: 733.589+/-0.144 χ^2/NDF : 1235181.4/33

In: 853.353+/-0.146 χ^2/NDF : 957937.8/29

Out: 830.522+/-0.145 χ^2/NDF : 1932515.1/31

All: 841.806+/-0.103 χ^2/NDF : 2902779.6/61

reg_asym_right_avg_mean vs Slug, Sign Corrected



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: 1013.043 $\pm$ 169.469 χ^2 /NDF:21.1/13

Left: 1014.613 $\pm$ 119.192 χ^2 /NDF: 33.3/28

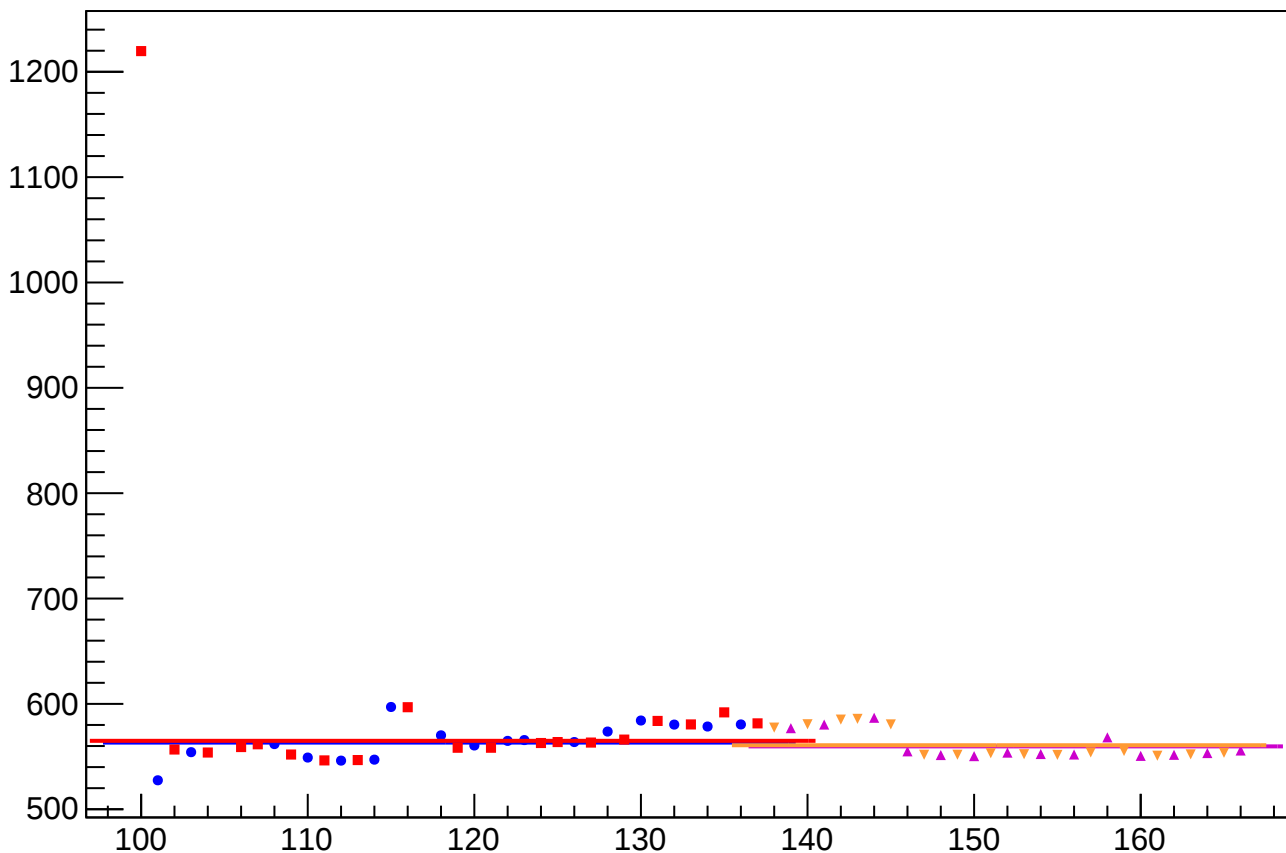
Right: 1177.020 $\pm$ 151.865 χ^2 /NDF: 27.2/35

In: 1130.773 $\pm$ 133.821 χ^2 /NDF:35.2/30

Out: 1024.204 $\pm$ 131.411 χ^2 /NDF:25.6/33

All: 1076.520 $\pm$ 93.762 χ^2 /NDF: 61.2/64

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 560.745+/-0.119 χ^2/NDF :12306.0/14

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

Left In: 559.657+/-0.120 χ^2/NDF :10222.7/13

Left: 560.207+/-0.084 χ^2/NDF : 22570.3/28

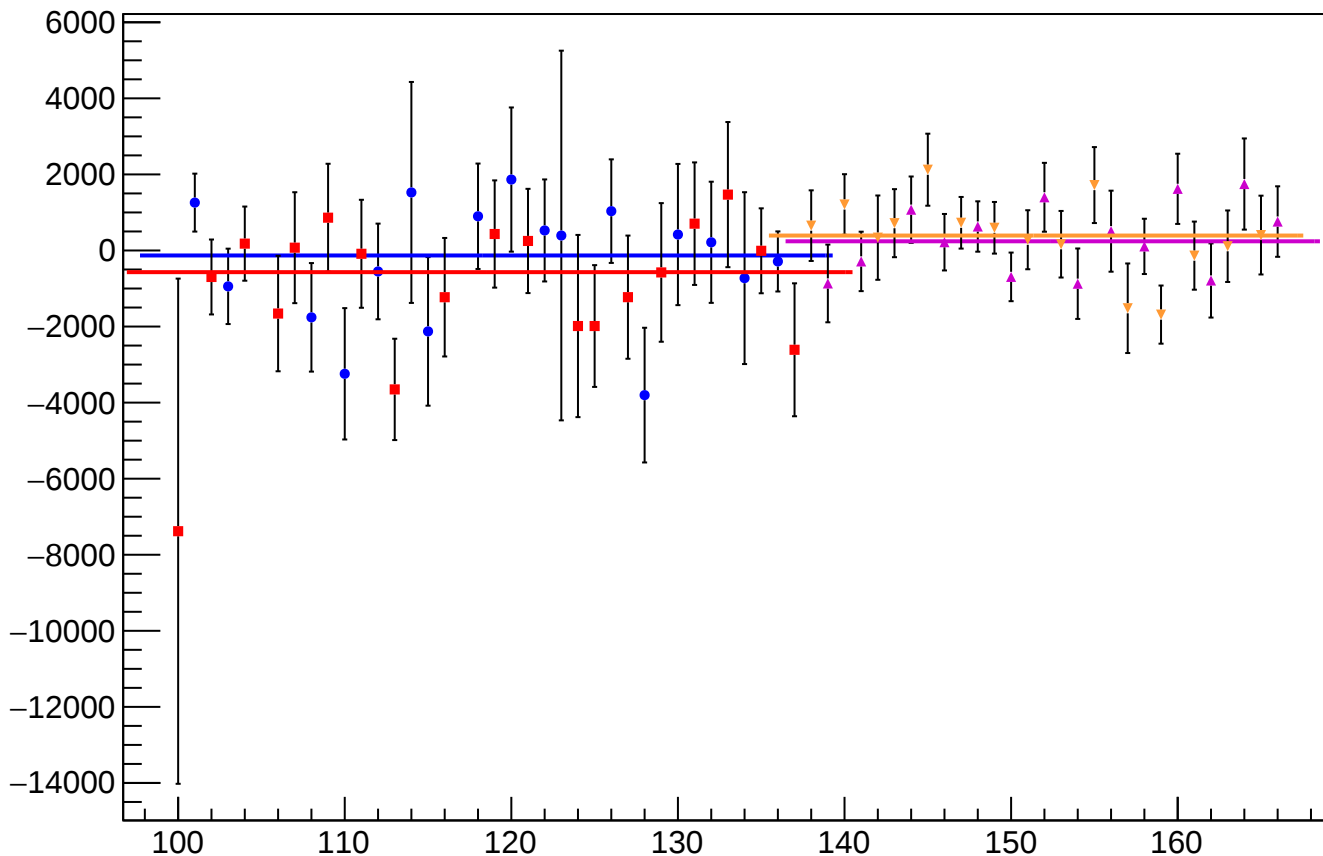
Right: 564.130+/-0.107 χ^2/NDF : 61877.2/35

In: 561.016+/-0.095 χ^2/NDF :23084.4/30

Out: 562.365+/-0.093 χ^2/NDF :62085.7/33

All: 561.702+/-0.066 χ^2/NDF : 85273.6/64

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 392.666 $\pm$ 223.797 χ^2/NDF : 17.3/14

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

Left In: 241.491 $\pm$ 225.299 χ^2/NDF : 13.5/13

Left: 317.584 $\pm$ 158.777 χ^2/NDF : 30.9/28

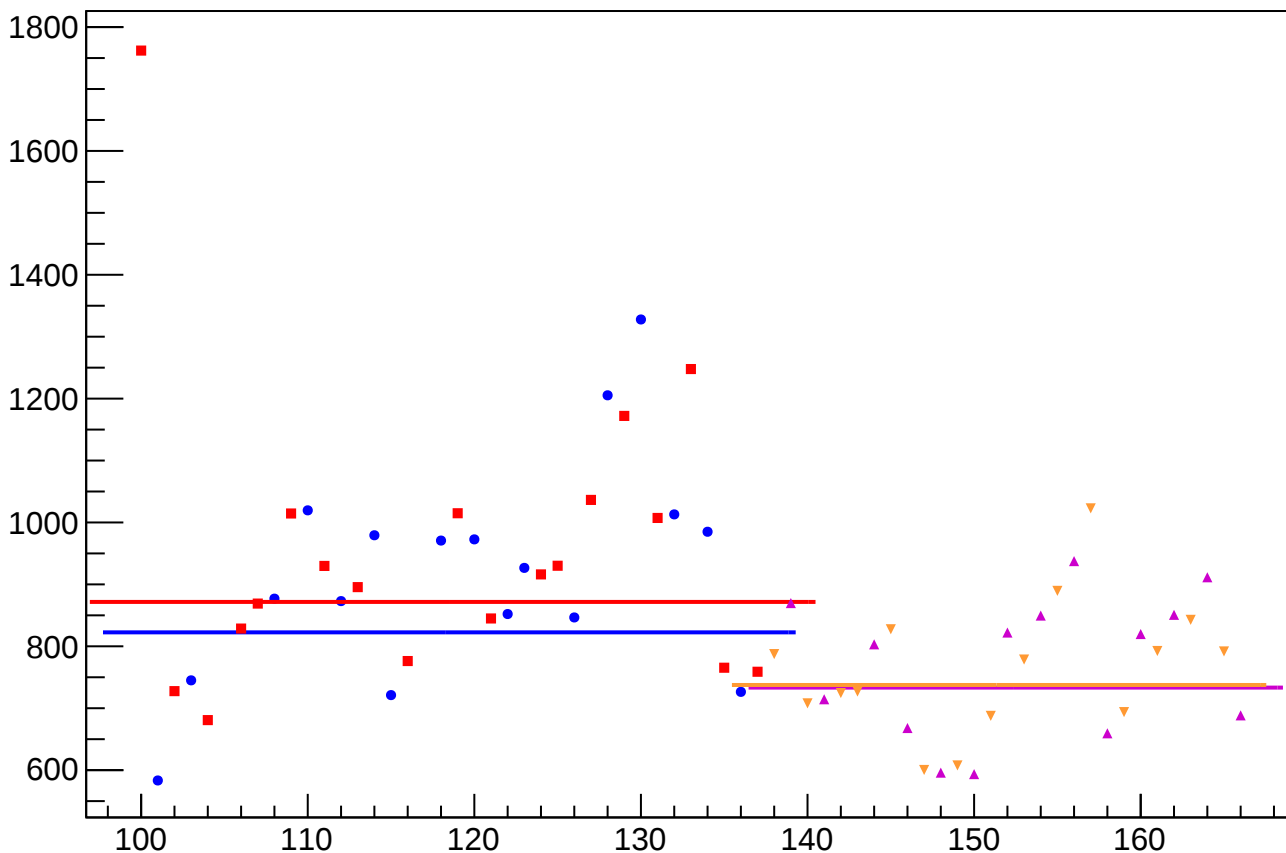
Right: -347.269 $\pm$ 233.324 χ^2/NDF : 32.7/35

In: 121.847 $\pm$ 185.634 χ^2/NDF : 31.6/30

Out: 92.454 $\pm$ 185.643 χ^2/NDF : 37.6/33

All: 107.151 $\pm$ 131.266 χ^2/NDF : 69.2/64

asym_right_avg_correction_rms vs Slug, Sign Corrected



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: 733.304+/-0.159 χ^2/NDF : 487320.2/13

Left: 735.434+/-0.112 χ^2/NDF : 890779.2/28

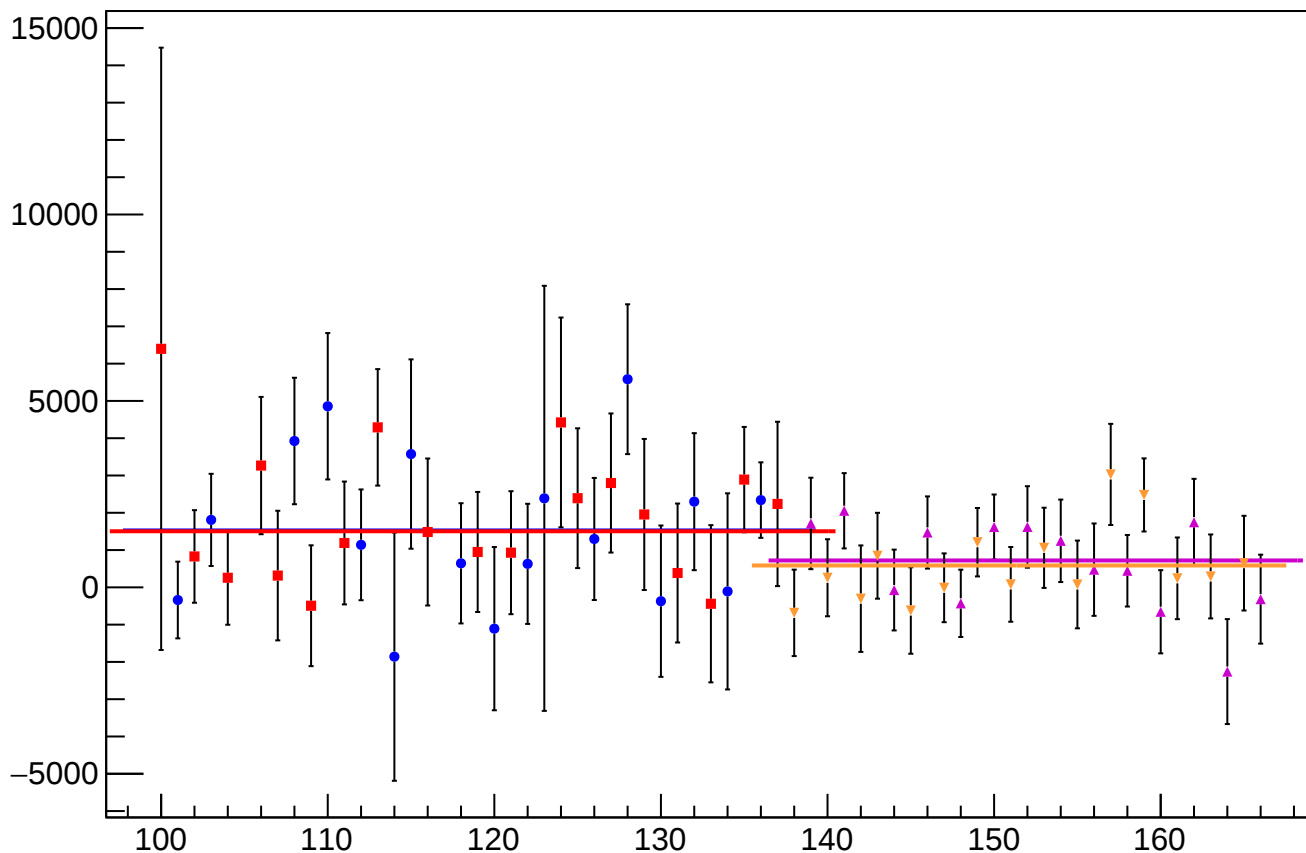
Right: 846.744+/-0.165 χ^2/NDF : 1029998.2/35

In: 761.954+/-0.131 χ^2/NDF : 1188998.7/30

Out: 779.376+/-0.131 χ^2/NDF : 1034081.8/33

All: 770.665+/-0.093 χ^2/NDF : 2231887.6/64

asym_right_avg_mean vs Slug, Sign Corrected



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: 721.347 $\pm$ 285.735 χ^2 /NDF: 14.8/13

Left: 653.339 $\pm$ 201.255 χ^2 /NDF: 26.4/28

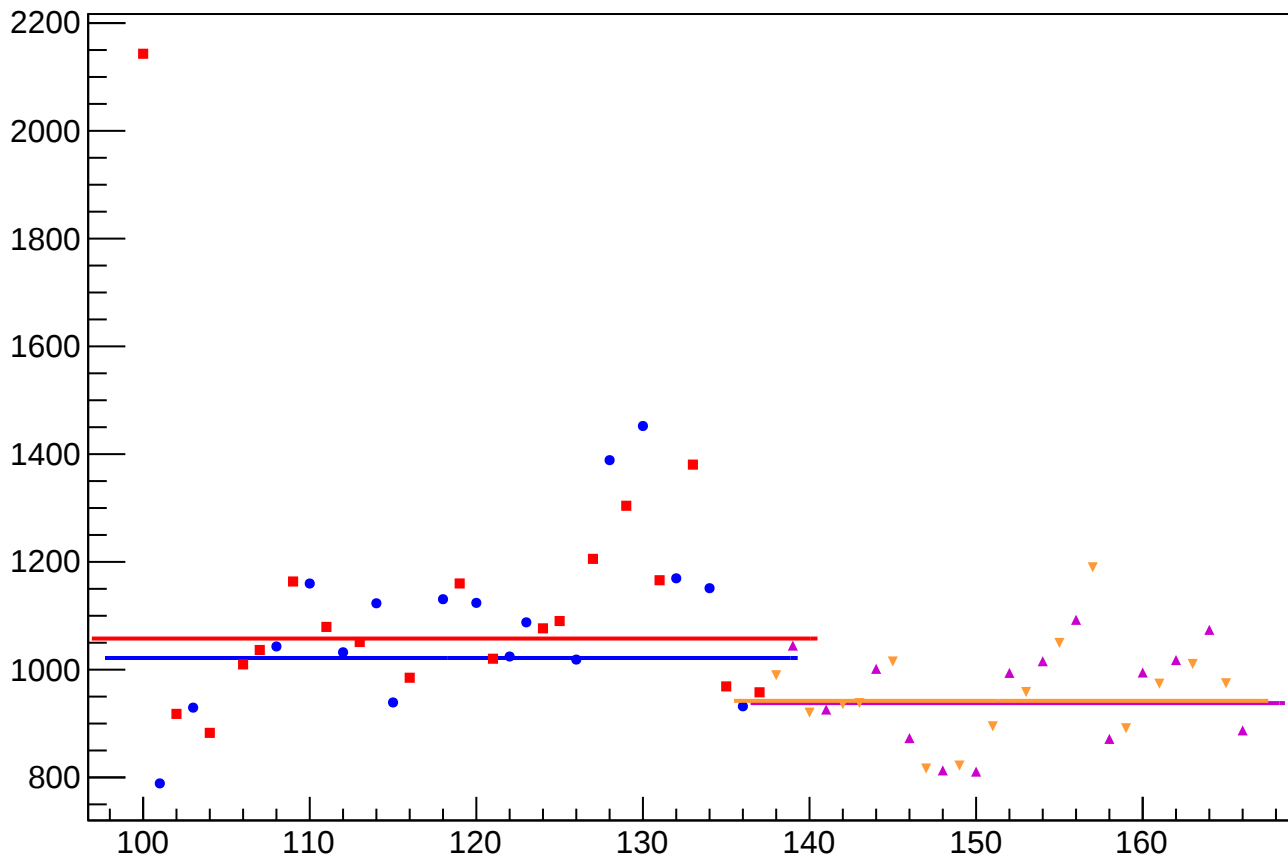
Right: 1514.890 $\pm$ 283.454 χ^2 /NDF: 30.4/35

In: 991.438 $\pm$ 232.855 χ^2 /NDF: 35.7/30

Out: 893.406 $\pm$ 231.295 χ^2 /NDF: 27.1/33

All: 942.092 $\pm$ 164.099 χ^2 /NDF: 62.9/64

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 942.129 $\pm$ 0.200 χ^2 /NDF:187758.1/14

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

Left In: 937.973 $\pm$ 0.202 χ^2 /NDF:204857.2/13

Left: 940.067 $\pm$ 0.142 χ^2 /NDF: 392828.5/28

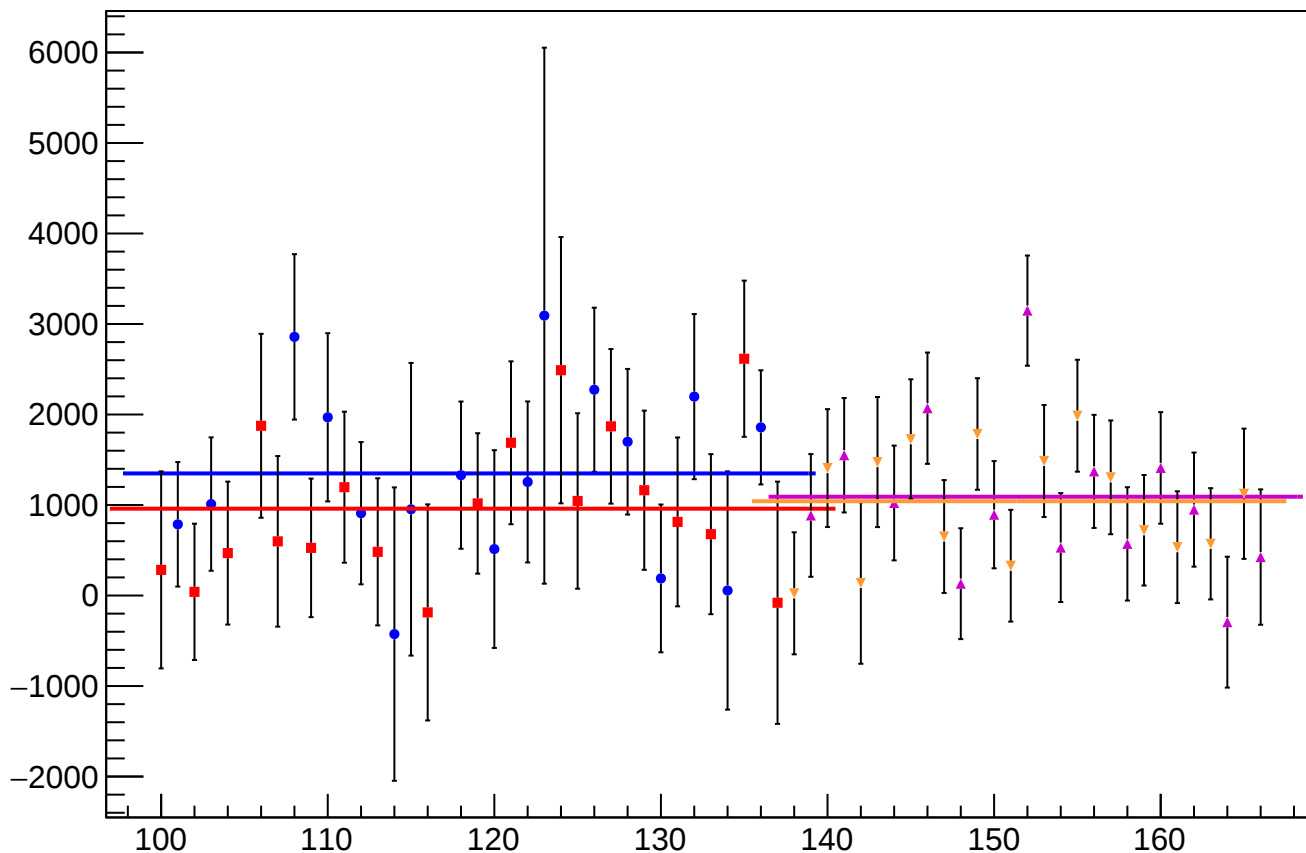
Right: 1039.788 $\pm$ 0.200 χ^2 /NDF: 570995.5/35

In: 966.084 $\pm$ 0.165 χ^2 /NDF:594436.8/30

Out: 980.796 $\pm$ 0.164 χ^2 /NDF:529940.9/33

All: 973.489 $\pm$ 0.116 χ^2 /NDF: 1128396.6/64

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1041.843+/-167.844 χ^2/NDF : 12.8/14

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

Left In: 1091.800+/-169.652 χ^2/NDF : 23.7/13

Left: 1066.554+/-119.318 χ^2/NDF : 36.5/28

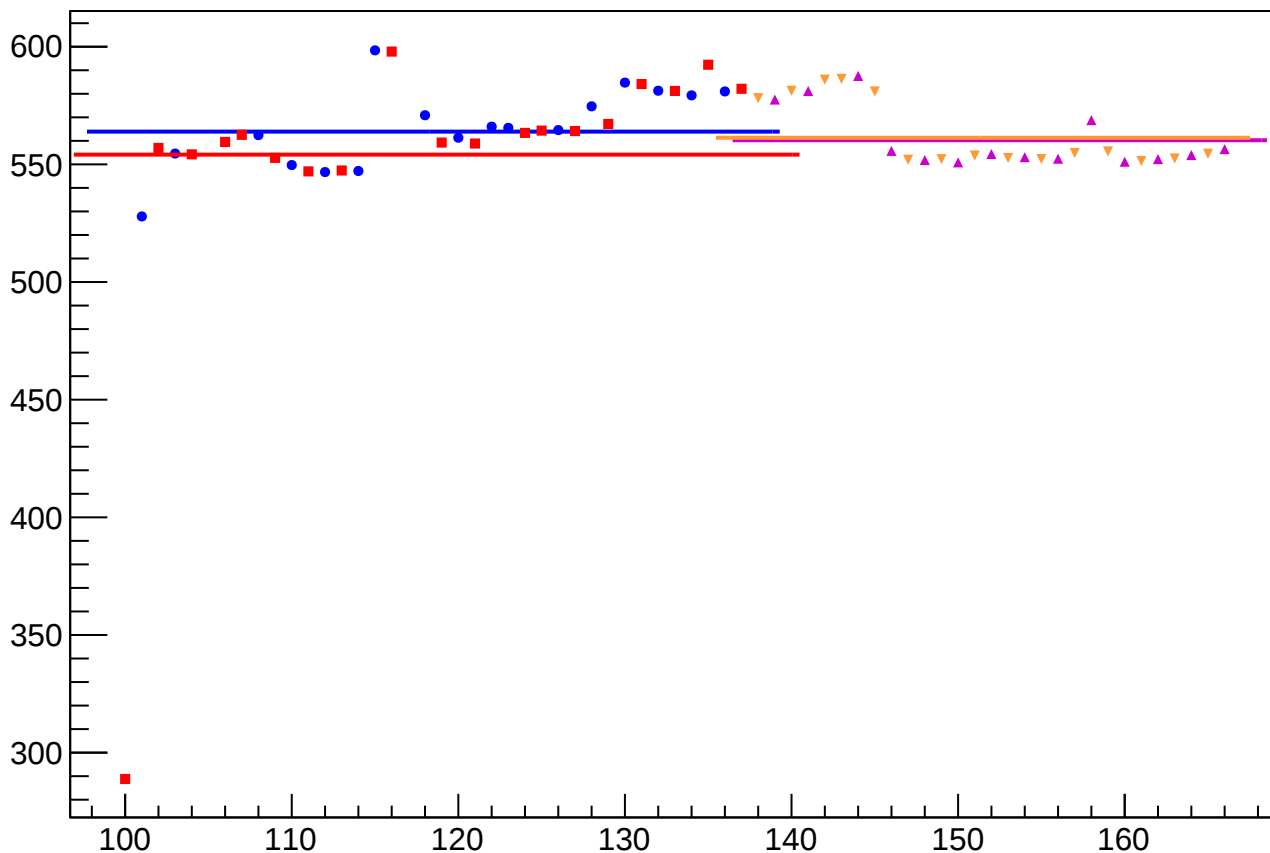
Right: 1144.995+/-150.662 χ^2/NDF : 26.2/35

In: 1188.672+/-133.970 χ^2/NDF : 36.9/30

Out: 1009.395+/-130.656 χ^2/NDF : 25.1/33

All: 1096.789+/-93.538 χ^2/NDF : 62.9/64

reg_asym_right_dd_rms vs Slug, Sign Corrected



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: 560.260 $\pm$ 0.120 χ^2 /NDF:10313.2/13

Left: 560.797 $\pm$ 0.084 χ^2 /NDF: 22688.1/28

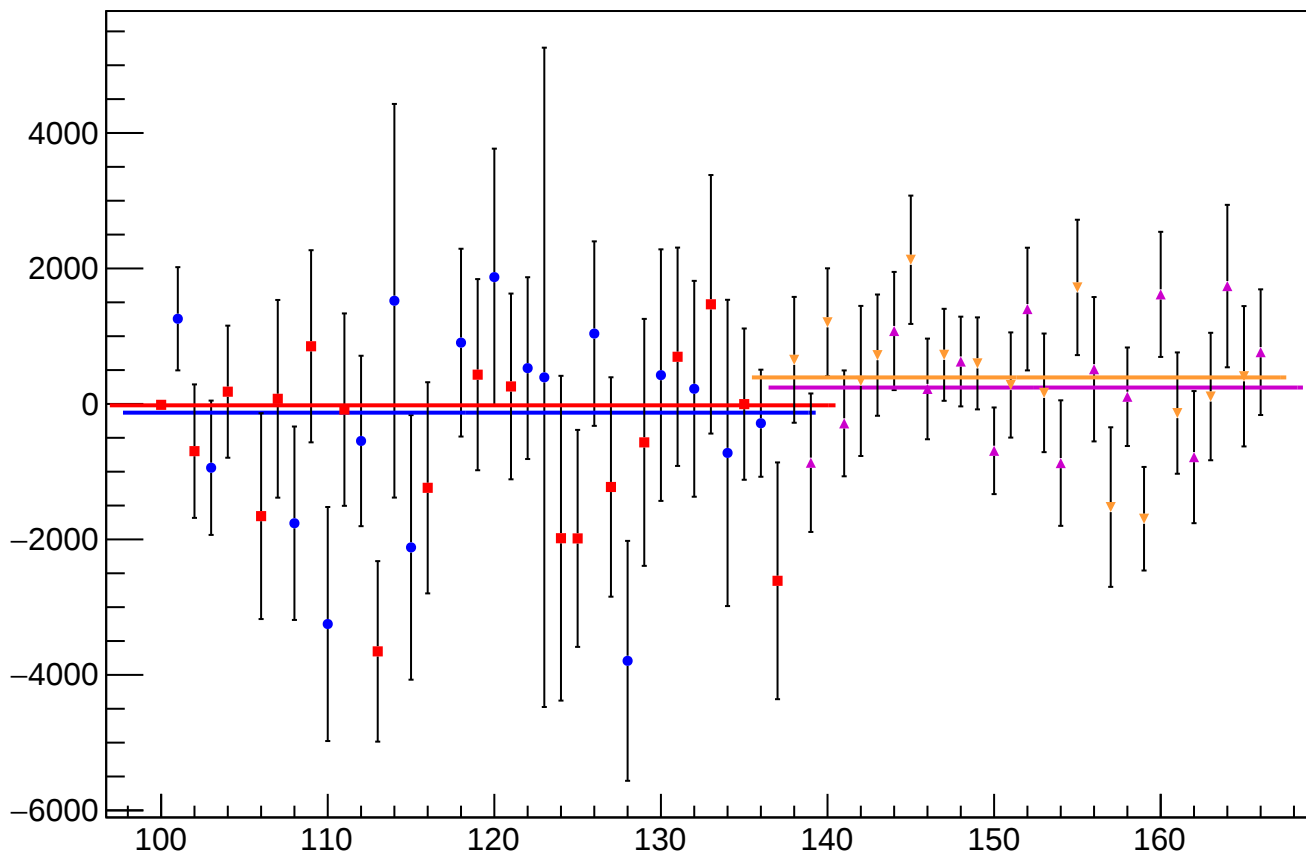
Right: 558.799 $\pm$ 0.107 χ^2 /NDF: 146729.2/35

In: 561.639 $\pm$ 0.095 χ^2 /NDF:23327.1/30

Out: 558.494 $\pm$ 0.092 χ^2 /NDF:145741.4/33

All: 560.027 $\pm$ 0.066 χ^2 /NDF: 169633.4/64

asym_right_dd_correction_mean vs Slug, Sign Corrected



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: 242.066+/-225.408 χ^2/NDF : 13.4/13

Left: 317.295+/-158.843 χ^2/NDF : 31.0/28

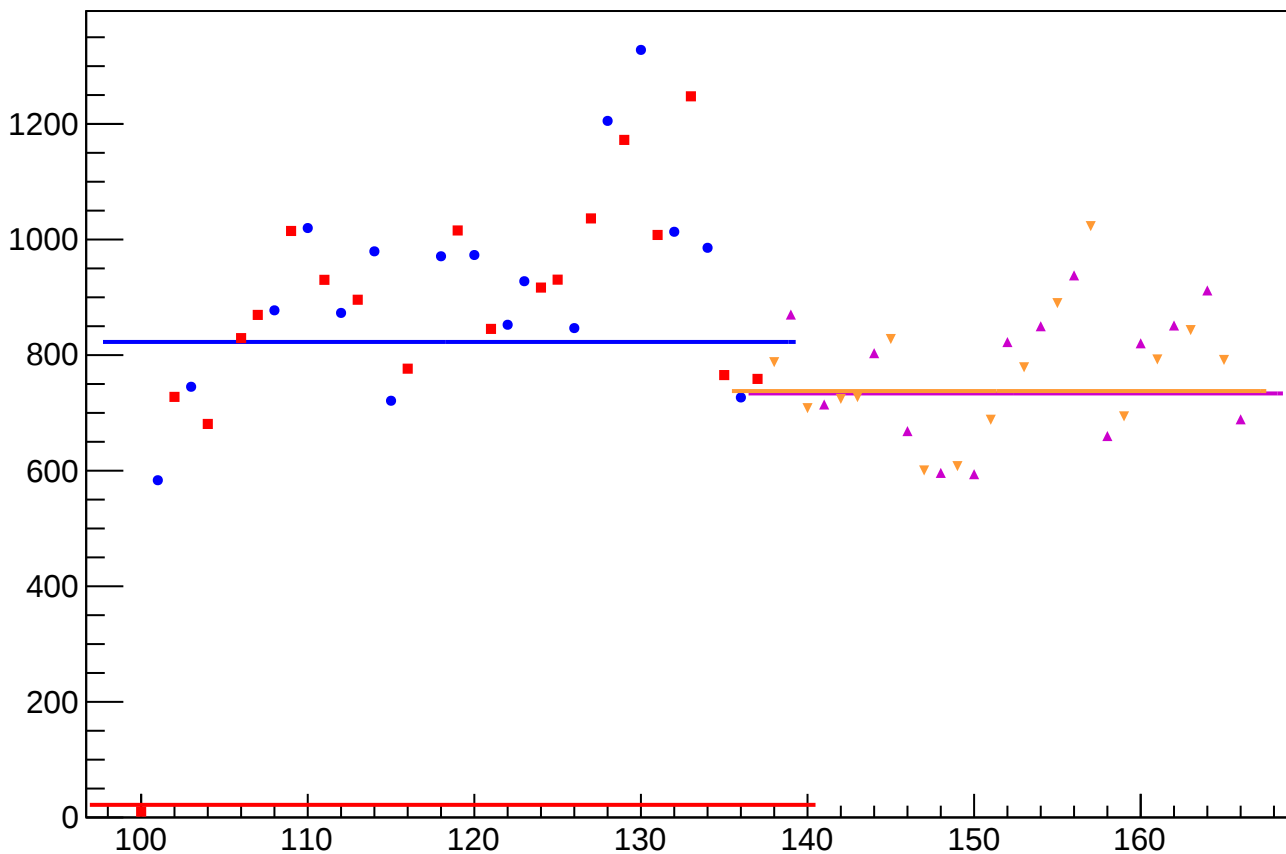
Right: -21.894+/-38.682 χ^2/NDF : 33.4/35

In: 122.970+/-185.713 χ^2/NDF : 31.5/30

Out: -8.280+/-38.378 χ^2/NDF : 36.7/33

All: -2.905+/-37.583 χ^2/NDF : 68.7/64

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 737.783+/-0.158 χ^2/NDF : 403183.4/14

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

Left In: 733.669+/-0.159 χ^2/NDF : 487004.8/13

Left: 735.740+/-0.112 χ^2/NDF : 890523.7/28

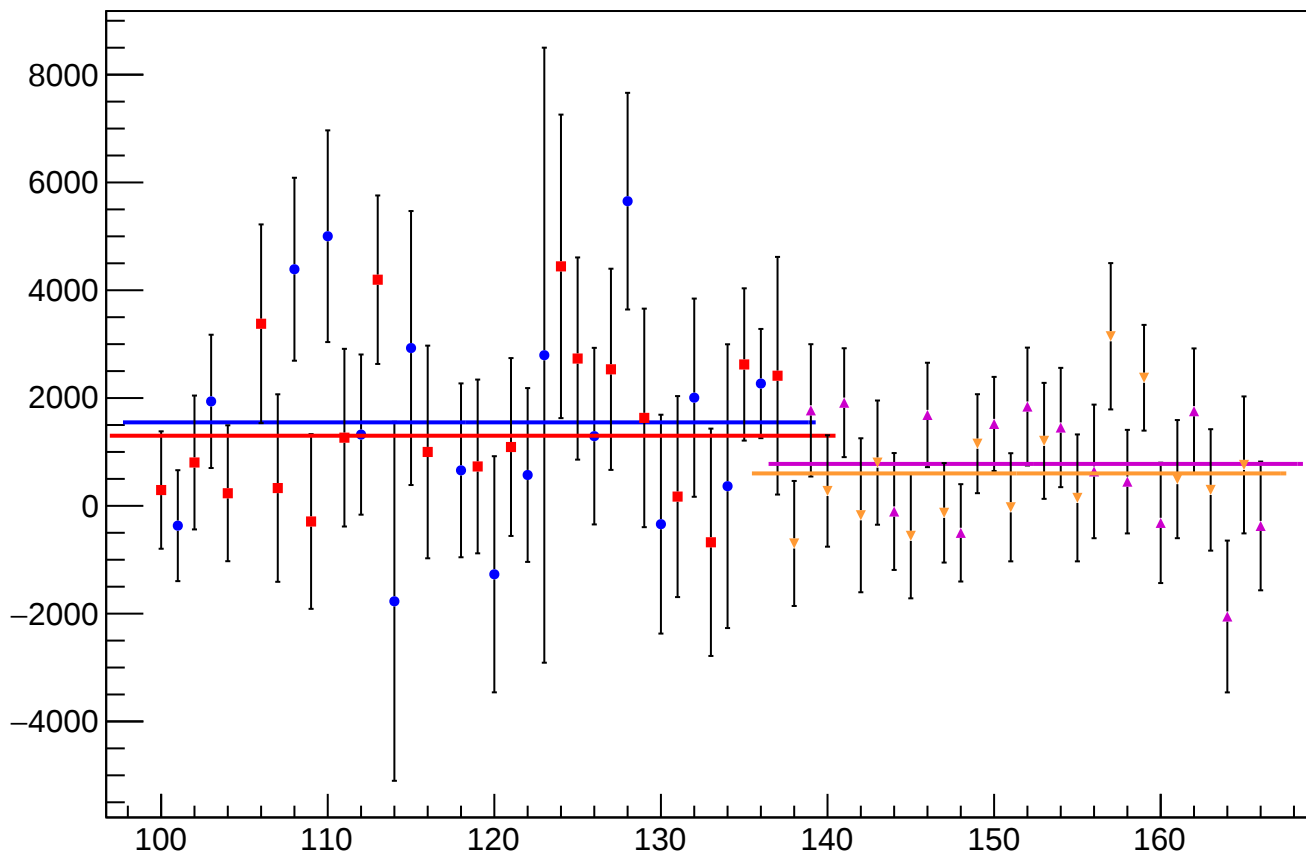
Right: 32.973+/-0.027 χ^2/NDF : 25907183.1/35

In: 762.291+/-0.131 χ^2/NDF : 1188274.0/30

Out: 42.852+/-0.027 χ^2/NDF : 33781179.2/33

All: 72.317+/-0.027 χ^2/NDF : 63754721.1/64

asym_right_dd_mean vs Slug, Sign Corrected



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: 777.944 $\pm$ 285.933 χ^2 /NDF: 14.3/13

Left: 689.014 $\pm$ 201.382 χ^2 /NDF: 25.9/28

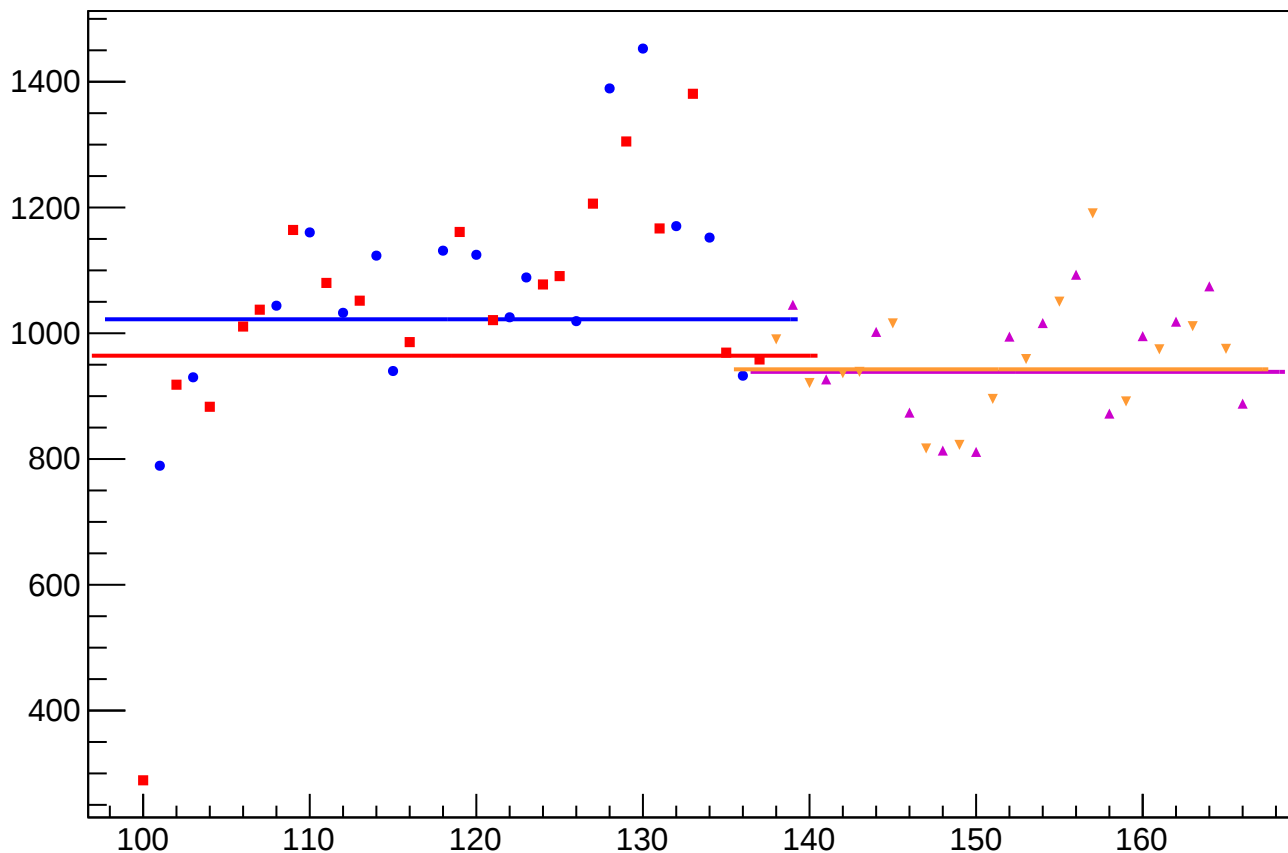
Right: 1416.645 $\pm$ 274.624 χ^2 /NDF: 31.7/35

In: 1036.932 $\pm$ 233.006 χ^2 /NDF: 35.7/30

Out: 855.164 $\pm$ 226.464 χ^2 /NDF: 26.2/33

All: 943.460 $\pm$ 162.398 χ^2 /NDF: 62.2/64

asym_right_dd_rms vs Slug, Sign Corrected



Right In: 1022.241 $\pm$ 0.284 χ^2 /NDF: 331865.9/16

Left Out: 942.660 $\pm$ 0.201 χ^2 /NDF:187897.0/14

Right Out: 964.330 $\pm$ 0.266 χ^2 /NDF: 1067281.2/18

Left In: 938.629 $\pm$ 0.202 χ^2 /NDF:204686.8/13

Left: 940.660 $\pm$ 0.142 χ^2 /NDF: 392784.2/28

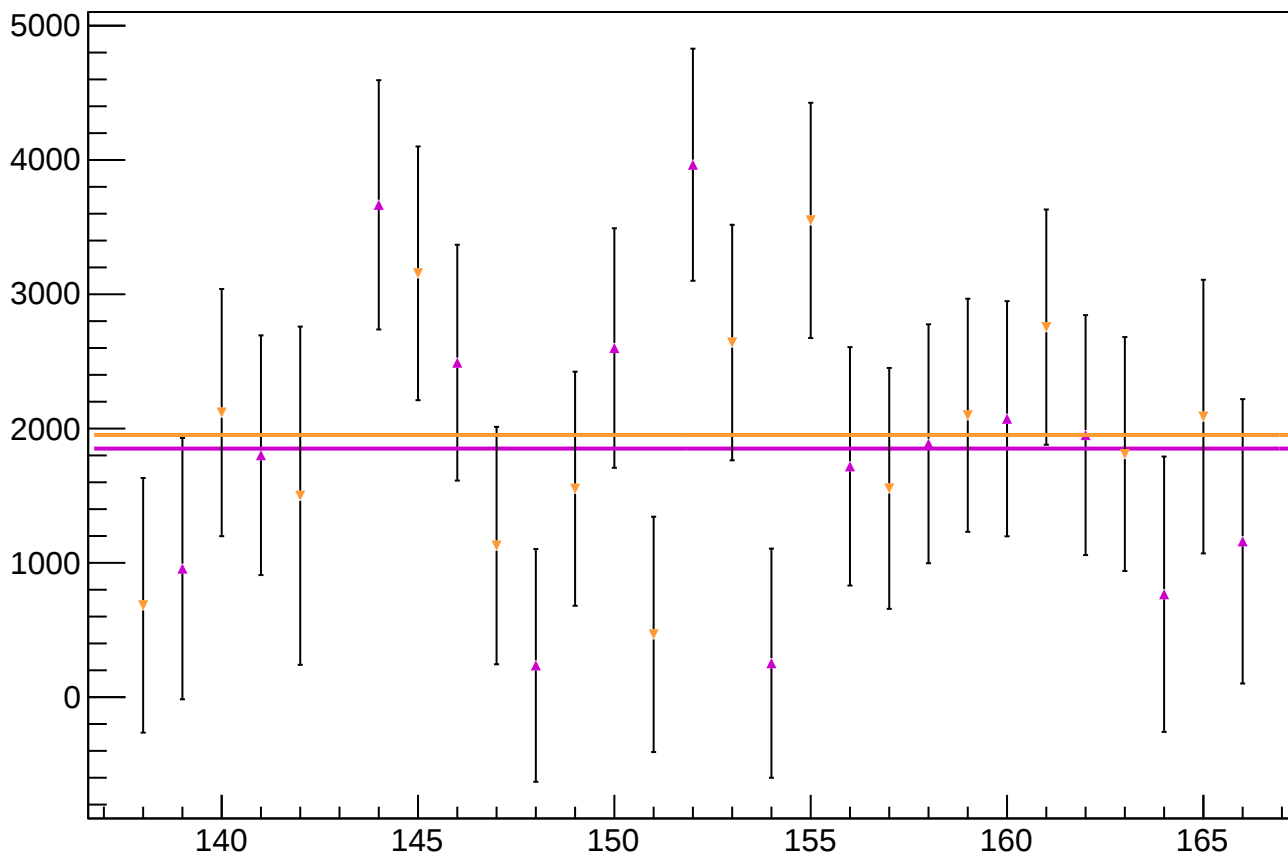
Right: 991.355 $\pm$ 0.194 χ^2 /NDF: 1421282.7/35

In: 966.718 $\pm$ 0.165 χ^2 /NDF:594005.6/30

Out: 950.519 $\pm$ 0.160 χ^2 /NDF:1259411.0/33

All: 958.388 $\pm$ 0.115 χ^2 /NDF: 1858387.2/64

cor_asym_us_avg_mean vs Slug, Sign Corrected



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: 1851.083+/-242.499 χ^2/NDF :20.5/13

Left: 1901.337+/-172.240 χ^2/NDF : 33.2/27

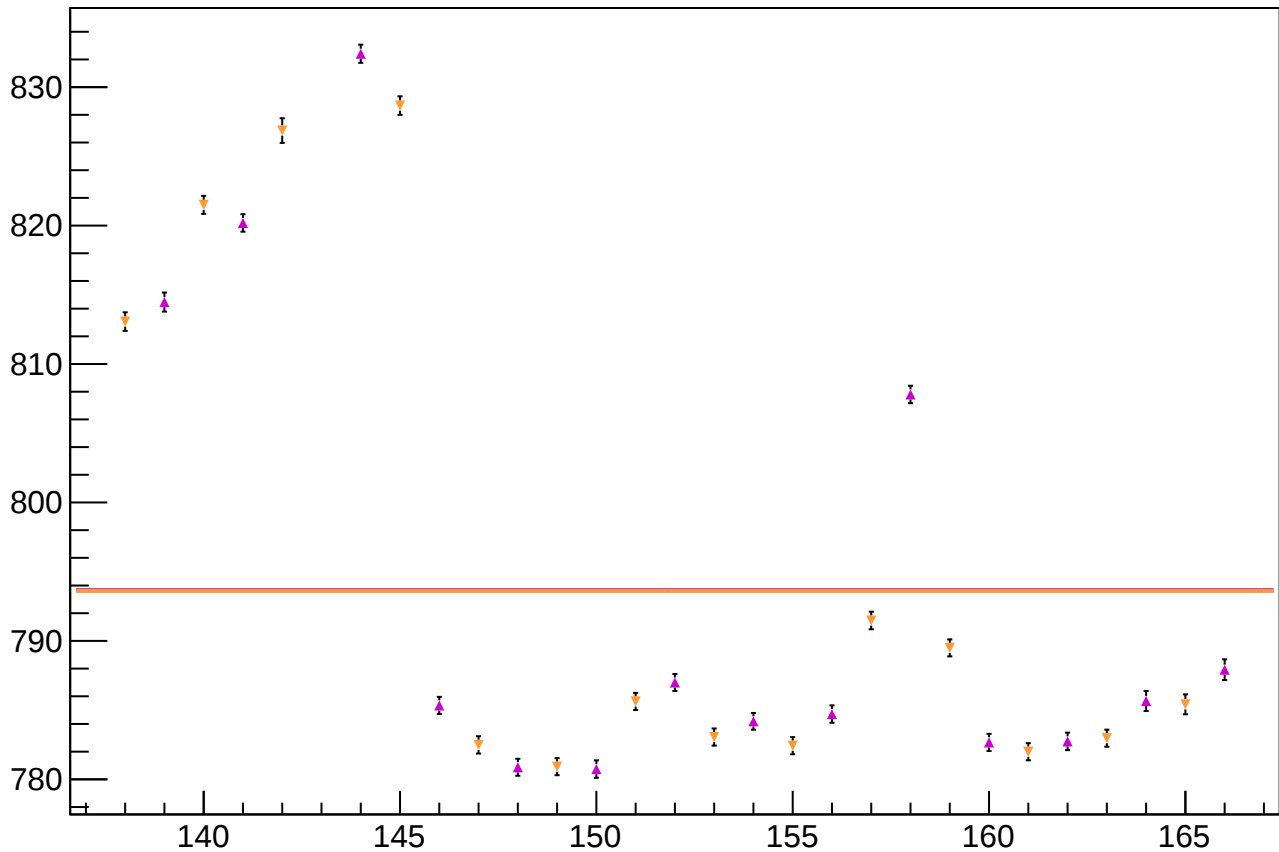
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1851.083+/-242.499 χ^2/NDF :20.5/13

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

All: 1901.337+/-172.240 χ^2/NDF : 33.2/27

cor_asym_us_avg_rms vs Slug, Sign Corrected



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: 793.664+/-0.171 χ^2/NDF :9072.2/13

Left: 793.638+/-0.122 χ^2/NDF : 18258.6/27

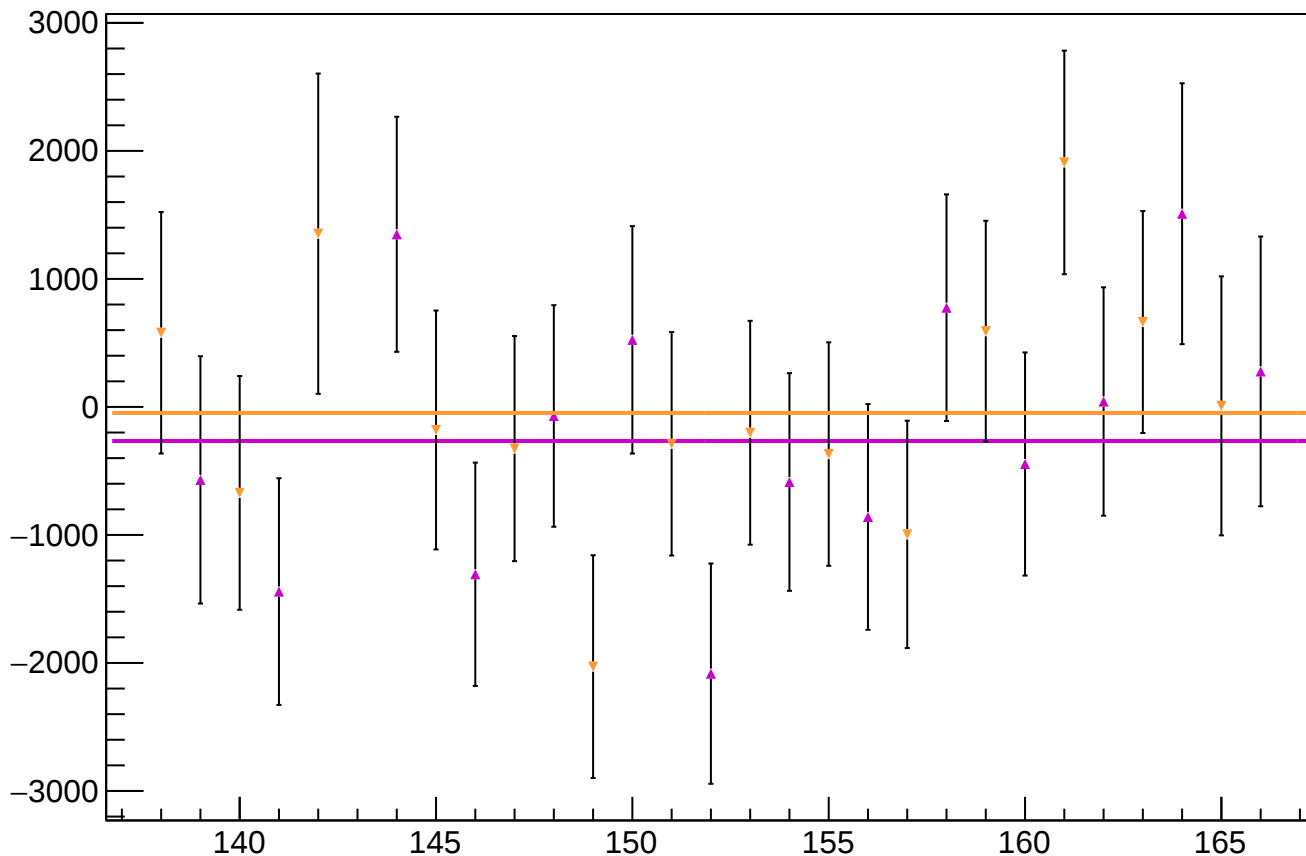
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 793.664+/-0.171 χ^2/NDF :9072.2/13

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

All: 793.638+/-0.122 χ^2/NDF : 18258.6/27

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -46.981+/-243.319 χ^2/NDF :15.1/13

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

Left In: -265.988+/-241.226 χ^2/NDF :17.1/13

Left: -157.431+/-171.308 χ^2/NDF : 32.6/27

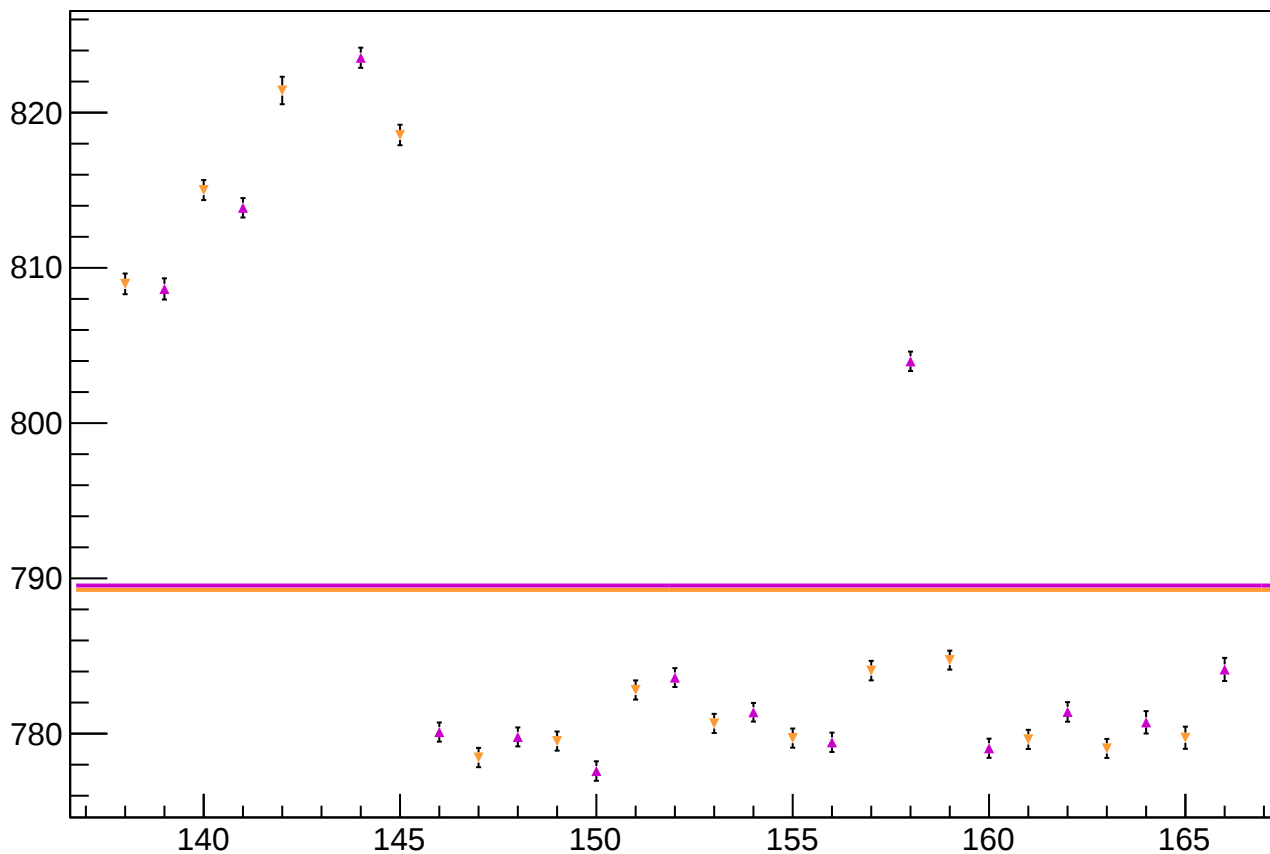
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -265.988+/-241.226 χ^2/NDF :17.1/13

Out: -46.981+/-243.319 χ^2/NDF :15.1/13

All: -157.431+/-171.308 χ^2/NDF : 32.6/27

cor_asym_us_dd_rms vs Slug, Sign Corrected



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: 789.539+/-0.171 χ^2/NDF : 7615.7/13

Left: 789.399+/-0.121 χ^2/NDF : 15292.2/27

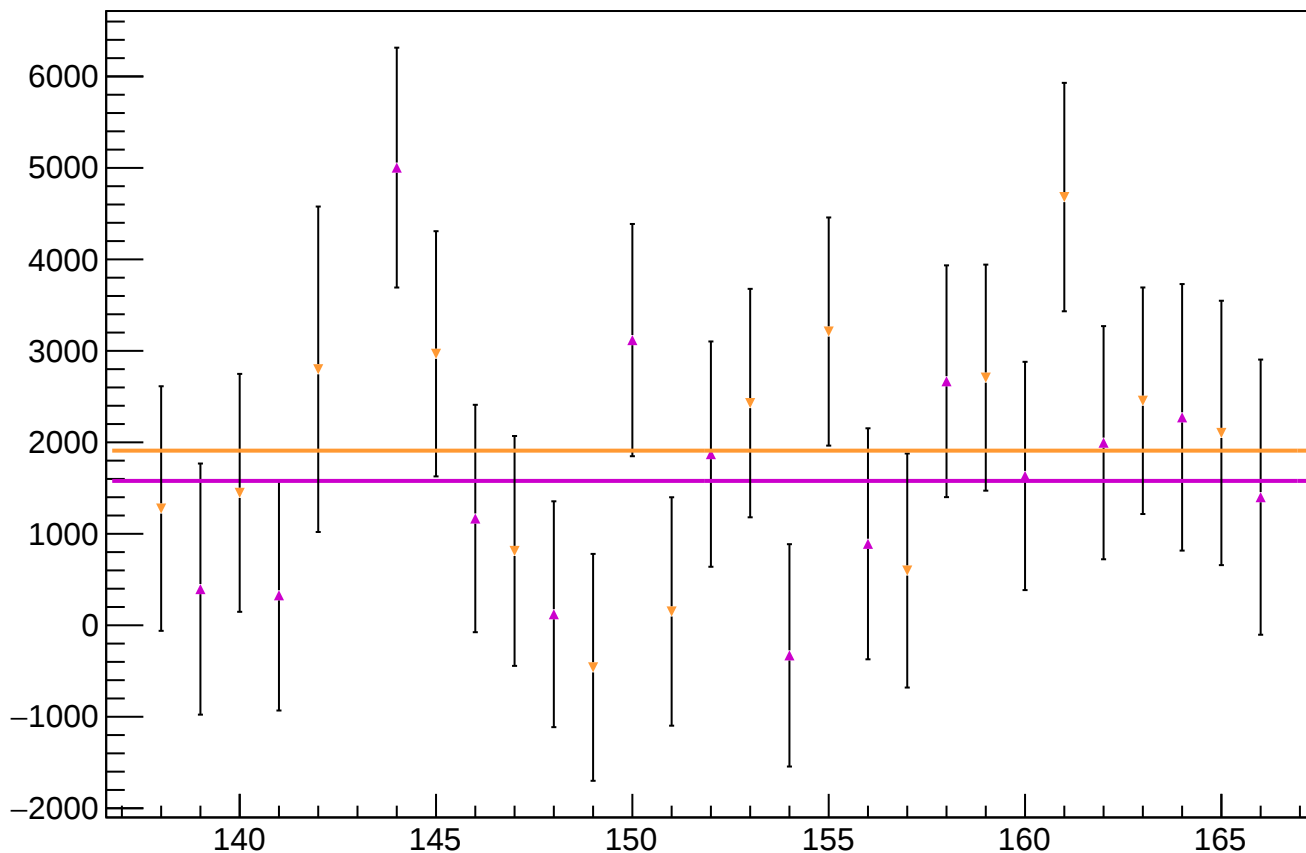
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 789.539+/-0.171 χ^2/NDF : 7615.7/13

Out: 789.257+/-0.172 χ^2/NDF : 7675.1/13

All: 789.399+/-0.121 χ^2/NDF : 15292.2/27

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1909.267 $\pm$ 347.703 χ^2 /NDF:15.5/13

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

Left In: 1578.438 $\pm$ 344.534 χ^2 /NDF:15.4/13

Left: 1742.338 $\pm$ 244.735 χ^2 /NDF: 31.4/27

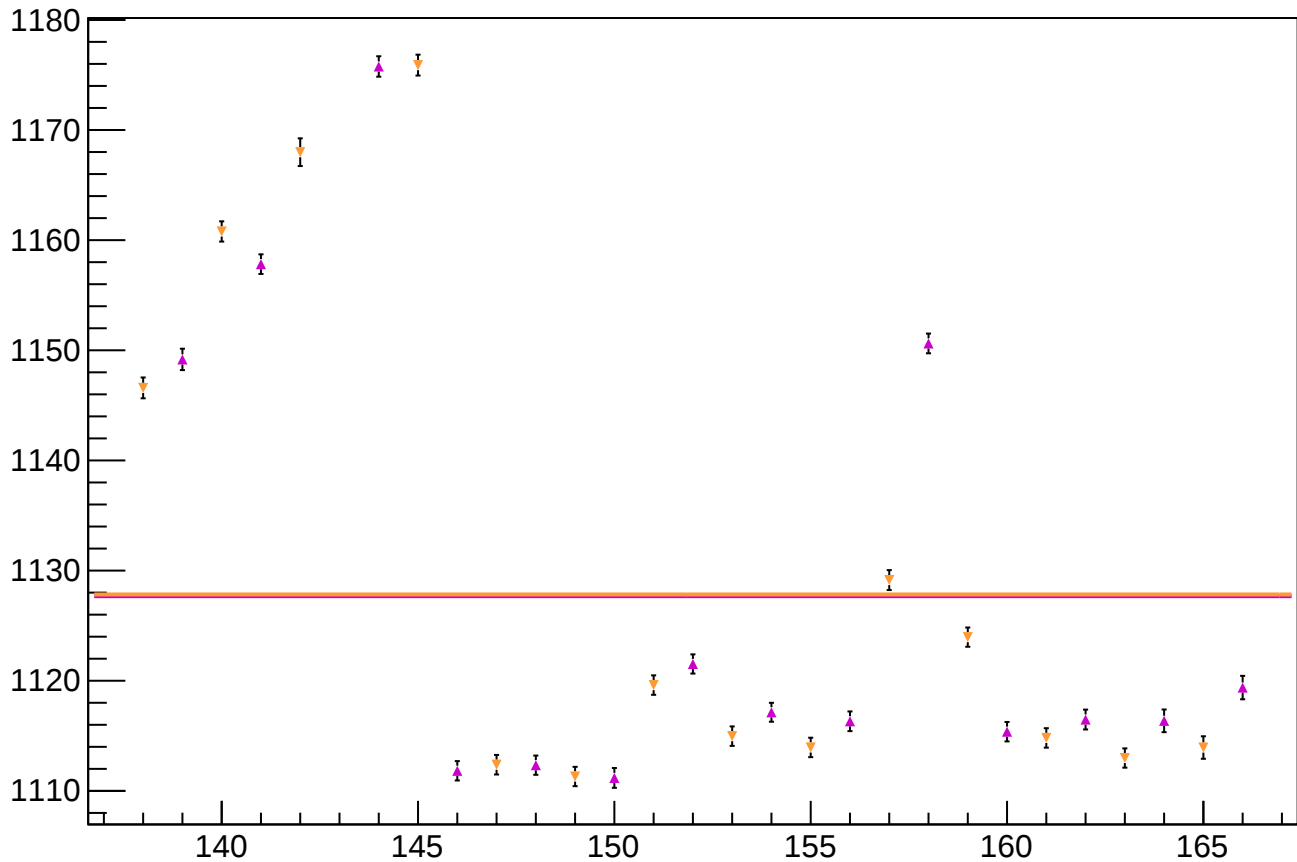
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 1578.438 $\pm$ 344.534 χ^2 /NDF:15.4/13

Out: 1909.267 $\pm$ 347.703 χ^2 /NDF:15.5/13

All: 1742.338 $\pm$ 244.735 χ^2 /NDF: 31.4/27

cor_asym_usl_rms vs Slug, Sign Corrected



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: 1127.677+/-0.244 χ^2/NDF : 6847.0/13

Left: 1127.754+/-0.173 χ^2/NDF : 14032.2/27

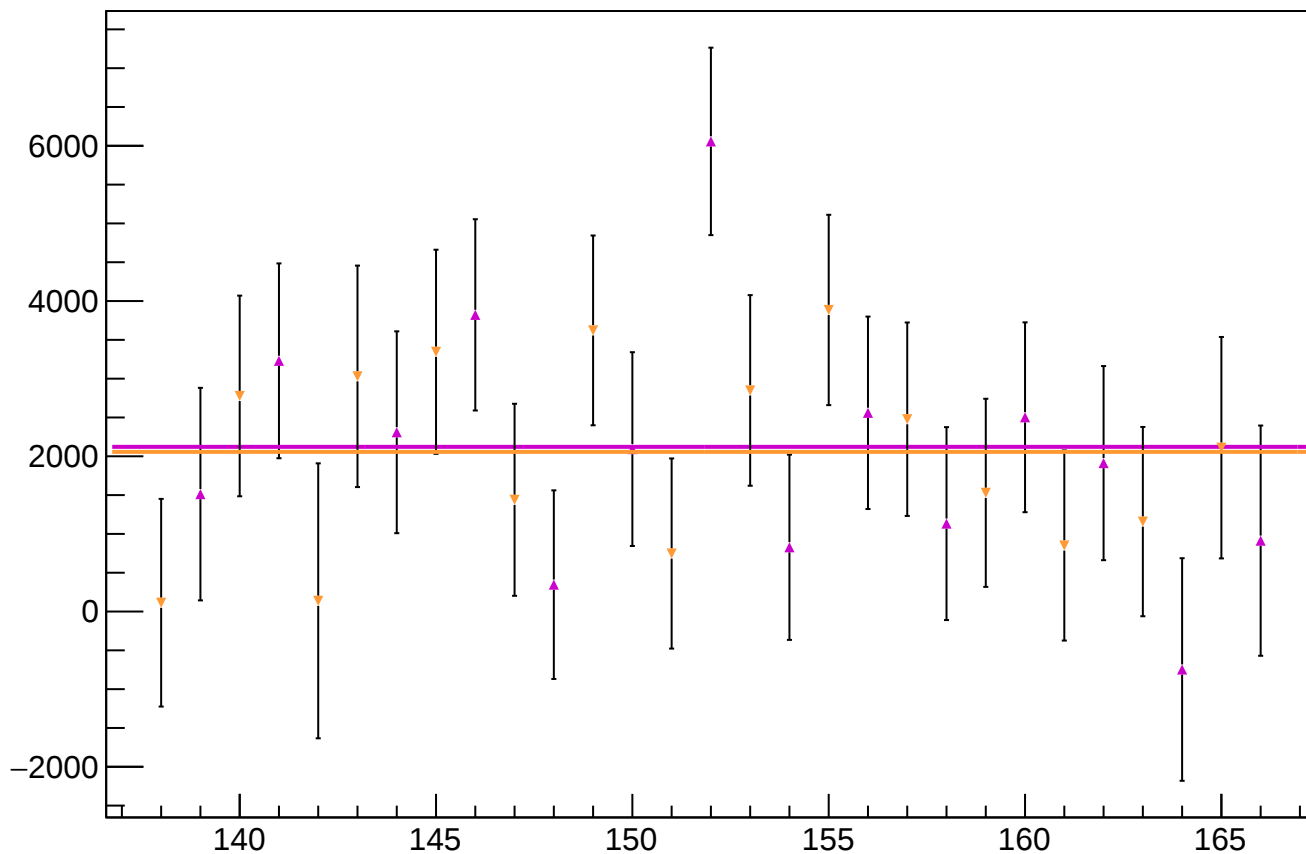
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1127.677+/-0.244 χ^2/NDF : 6847.0/13

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

All: 1127.754+/-0.173 χ^2/NDF : 14032.2/27

cor_asym_usr_mean vs Slug, Sign Corrected



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: 2121.756+/-339.536 χ^2/NDF :22.4/13

Left: 2088.671+/-237.734 χ^2/NDF : 34.9/28

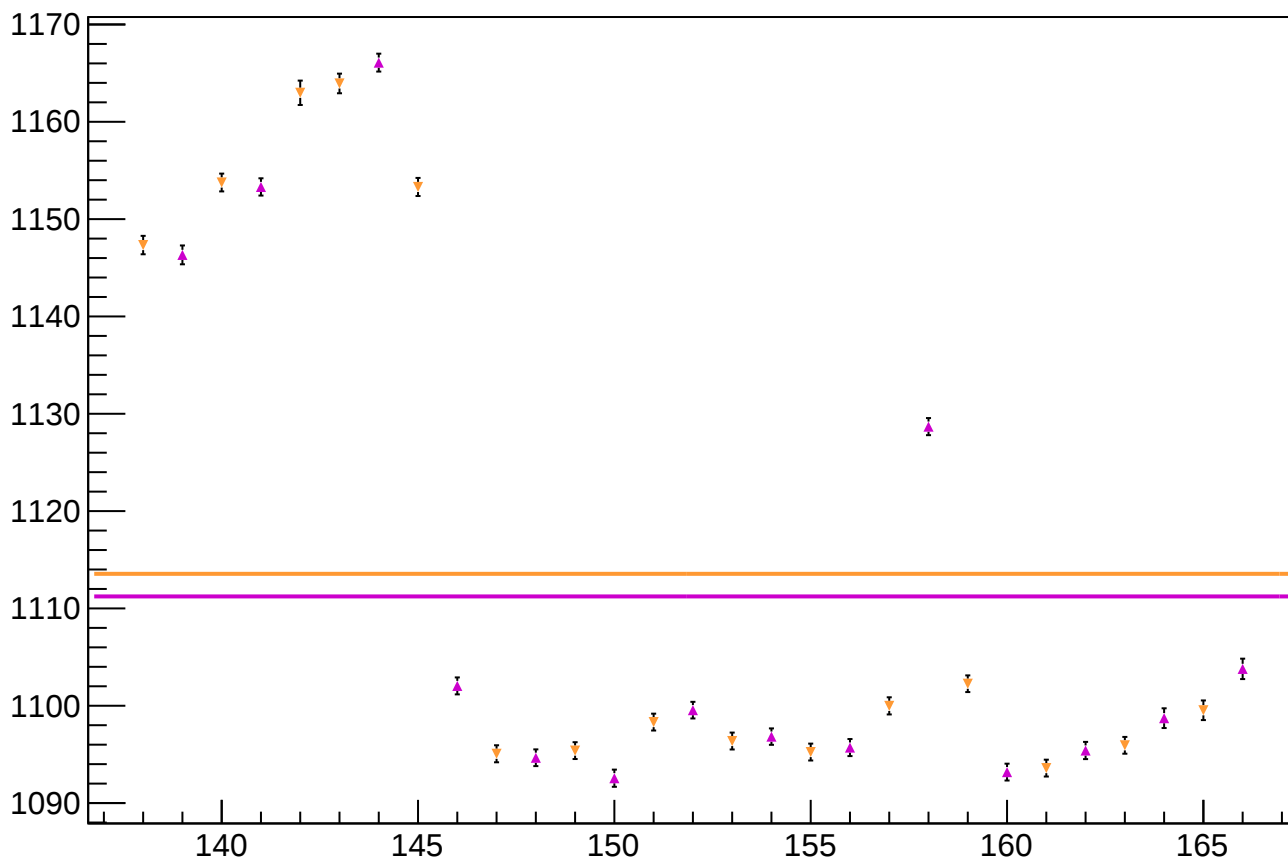
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2121.756+/-339.536 χ^2/NDF :22.4/13

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

All: 2088.671+/-237.734 χ^2/NDF : 34.9/28

cor_asym_usr_rms vs Slug, Sign Corrected



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: 1111.232+/-0.240 χ^2/NDF :10198.5/13

Left: 1112.416+/-0.168 χ^2/NDF : 22925.4/28

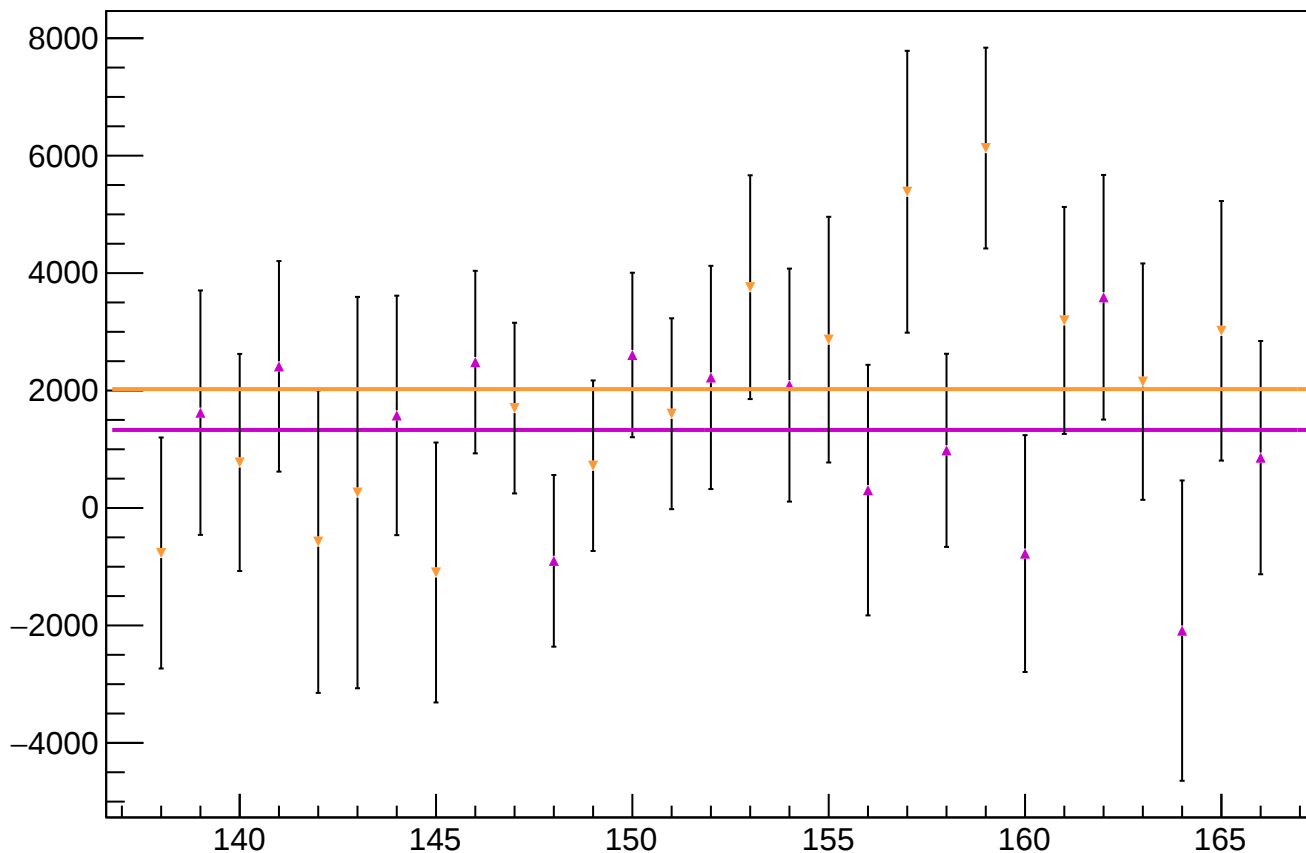
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1111.232+/-0.240 χ^2/NDF :10198.5/13

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

All: 1112.416+/-0.168 χ^2/NDF : 22925.4/28

asym_us_agg_avg_mean vs Slug, Sign Corrected



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: 1328.931+/-489.261 χ^2/NDF :8.9/13

Left: 1671.945+/-348.385 χ^2/NDF : 25.8/28

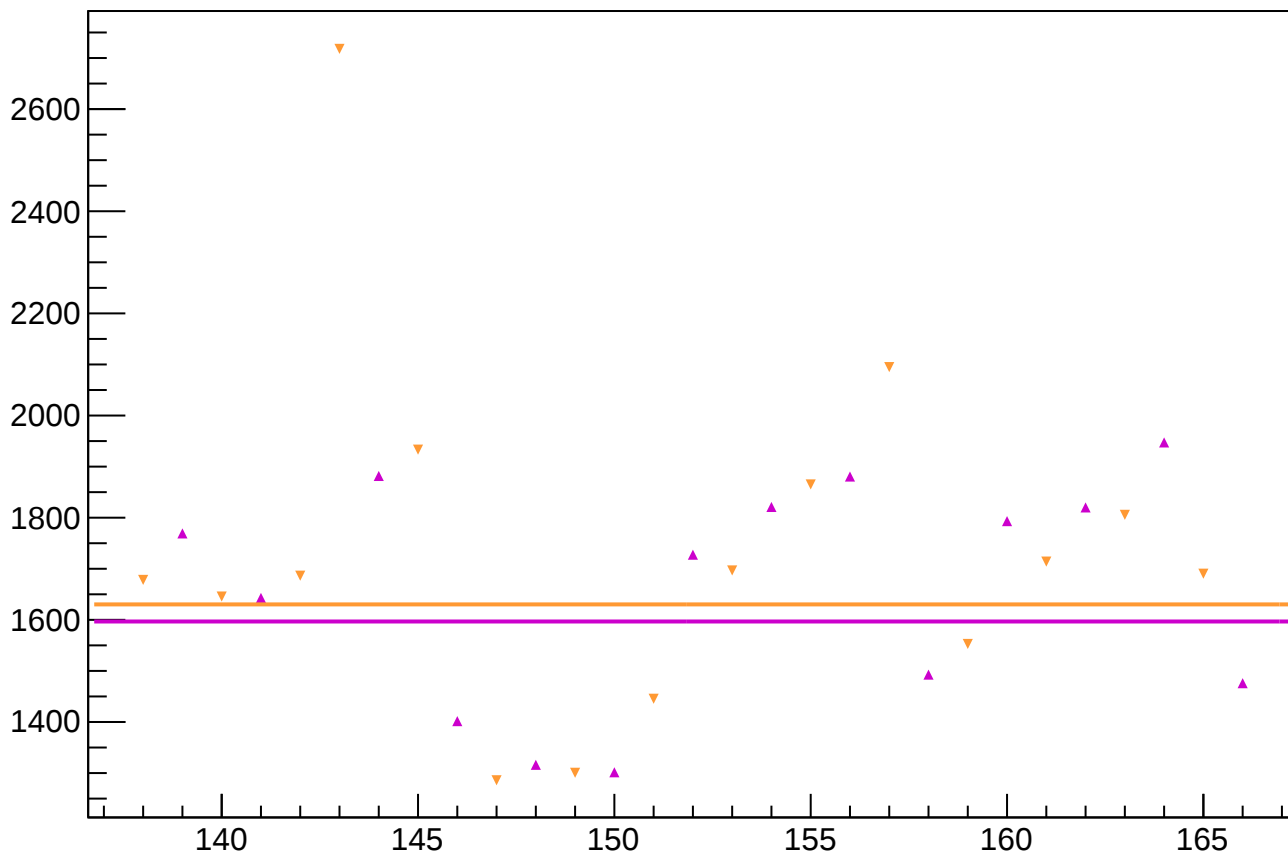
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1328.931+/-489.261 χ^2/NDF :8.9/13

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

All: 1671.945+/-348.385 χ^2/NDF : 25.8/28

asym_us_agg_avg_rms vs Slug, Sign Corrected



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: 1596.768+/-0.346 χ^2/NDF :413588.2/13

Left: 1613.262+/-0.246 χ^2/NDF : 1039420.0/28

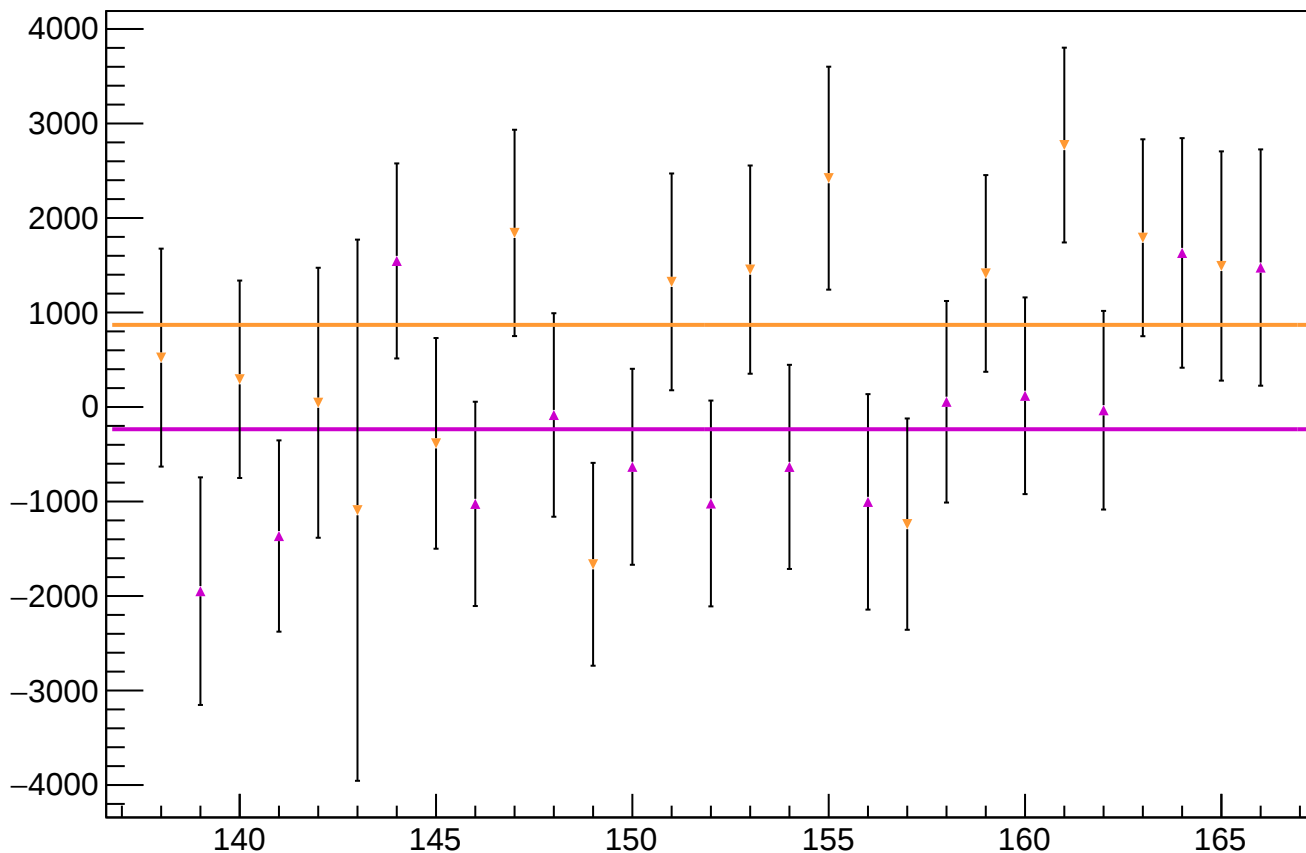
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1596.768+/-0.346 χ^2/NDF :413588.2/13

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

All: 1613.262+/-0.246 χ^2/NDF : 1039420.0/28

asym_us_agg_dd_mean vs Slug, Sign Corrected



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: -235.245+/-291.739 χ^2/NDF :12.5/13

Left: 307.620+/-208.018 χ^2/NDF : 38.8/28

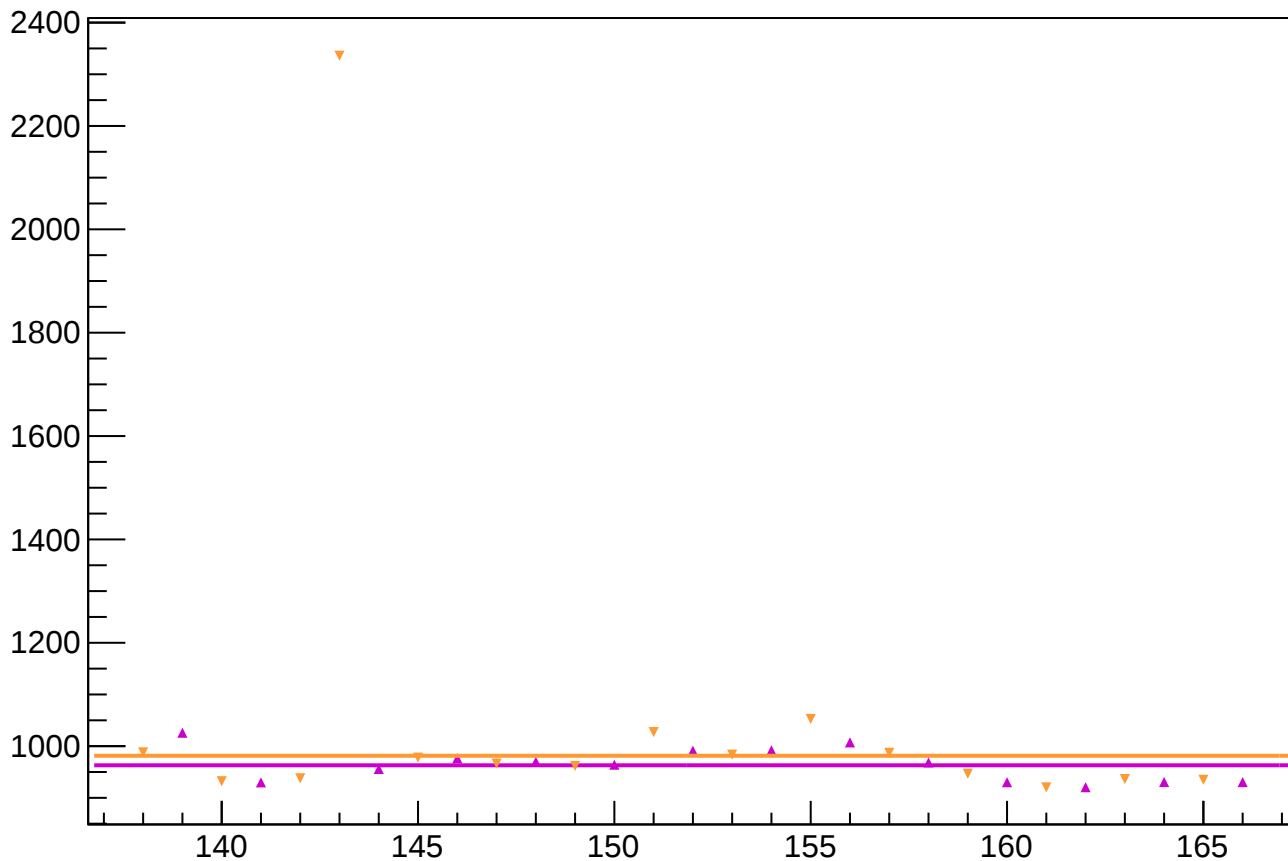
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -235.245+/-291.739 χ^2/NDF :12.5/13

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

All: 307.620+/-208.018 χ^2/NDF : 38.8/28

asym_us_agg_dd_rms vs Slug, Sign Corrected



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: 962.965+/-0.206 χ^2/NDF : 21985.6/13

Left: 972.039+/-0.147 χ^2/NDF : 507498.4/28

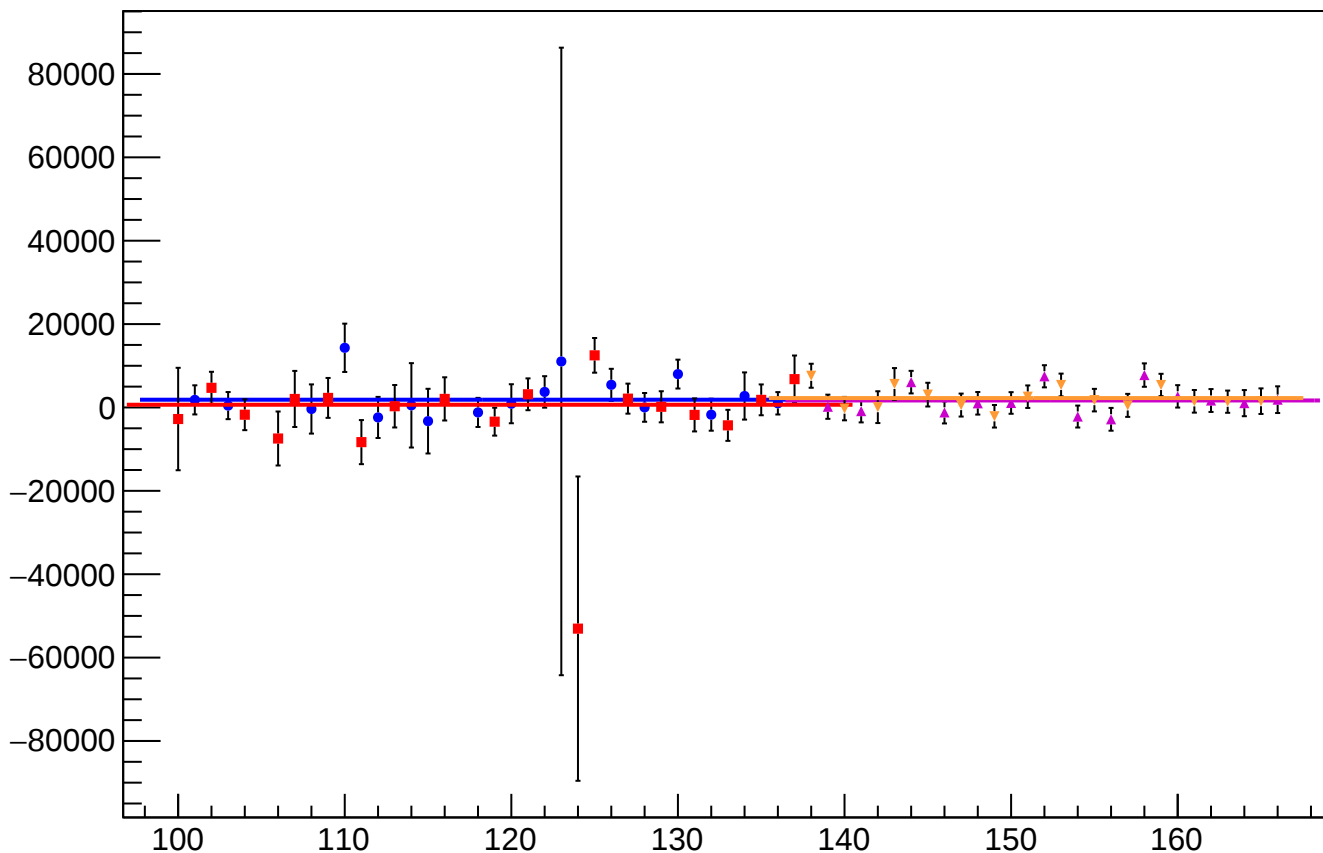
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 962.965+/-0.206 χ^2/NDF : 21985.6/13

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

All: 972.039+/-0.147 χ^2/NDF : 507498.4/28

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2250.935+/-737.353 χ^2 /NDF:11.9/14

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

Left In: 1679.449+/-737.809 χ^2 /NDF:19.6/13

Left: 1965.369+/-521.548 χ^2 /NDF: 31.8/28

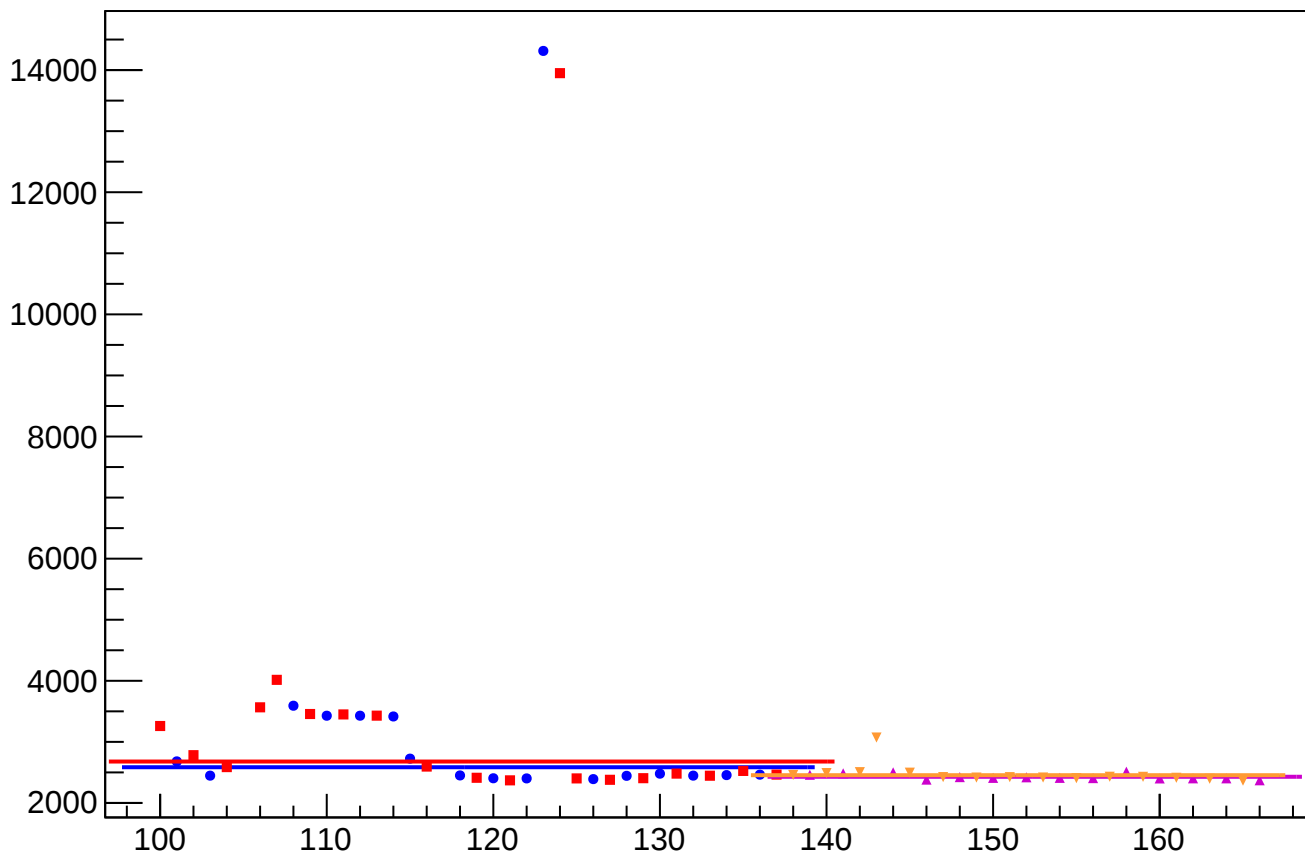
Right: 1263.106+/-720.235 χ^2 /NDF: 35.3/35

In: 1741.914+/-596.479 χ^2 /NDF:32.1/30

Out: 1705.565+/-598.322 χ^2 /NDF:35.5/33

All: 1723.795+/-422.424 χ^2 /NDF: 67.7/64

reg_asym_atl1_rms vs Slug, Sign Corrected



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: 2428.708+/-0.522 χ^2/NDF : 6414.8/13

Left: 2441.569+/-0.369 χ^2/NDF : 66650.9/28

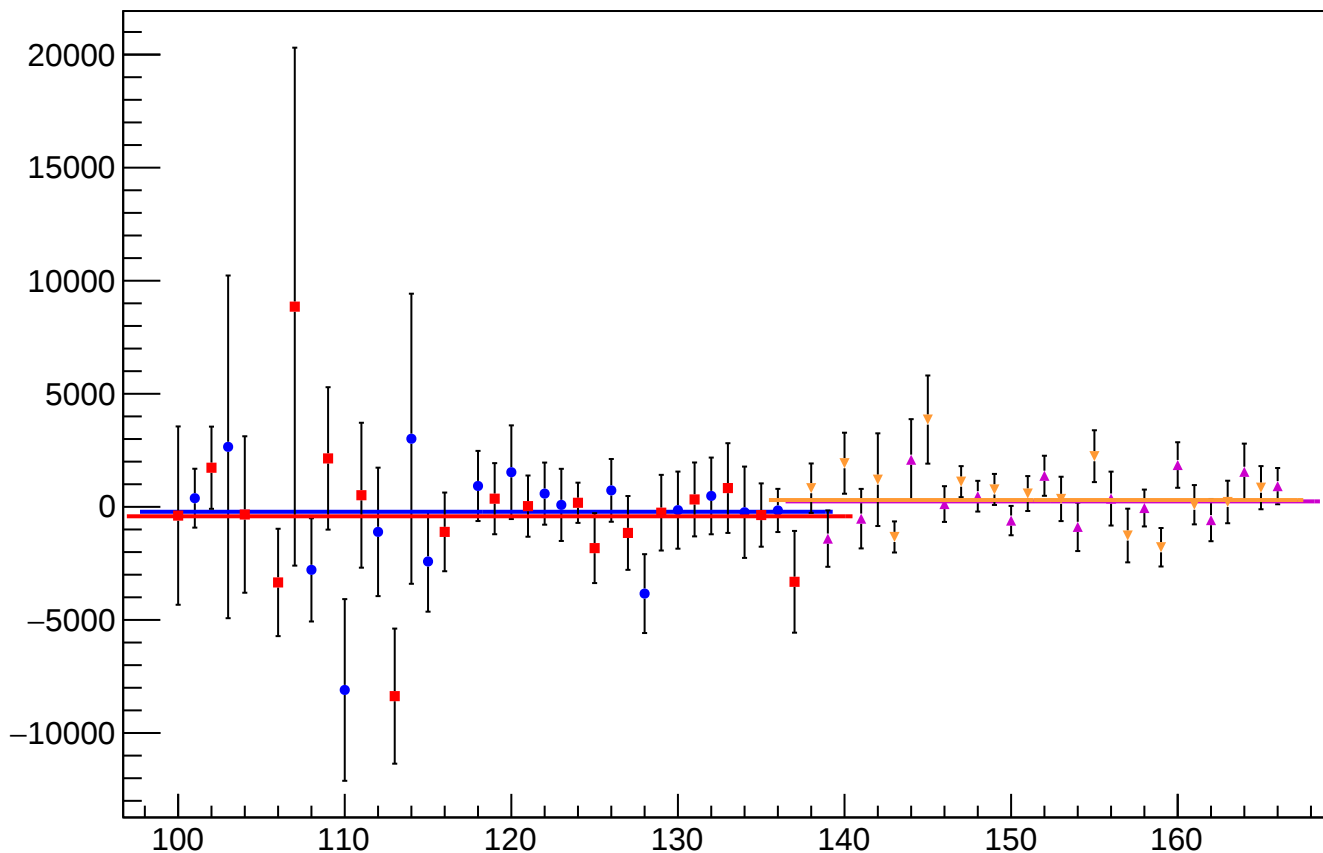
Right: 2631.050+/-0.509 χ^2/NDF : 796216.7/35

In: 2482.787+/-0.422 χ^2/NDF : 293142.6/30

Out: 2530.860+/-0.423 χ^2/NDF : 654056.9/33

All: 2506.749+/-0.299 χ^2/NDF : 953675.0/64

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: -217.017 ± 420.077 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 301.309 ± 239.966 $\chi^2/\text{NDF}: 23.9/14$

Right Out: -417.202 ± 408.976 $\chi^2/\text{NDF}: 15.7/18$

Left In: 242.125 ± 247.225 $\chi^2/\text{NDF}: 13.0/13$

Left: 272.599 ± 172.191 $\chi^2/\text{NDF}: 36.9/28$

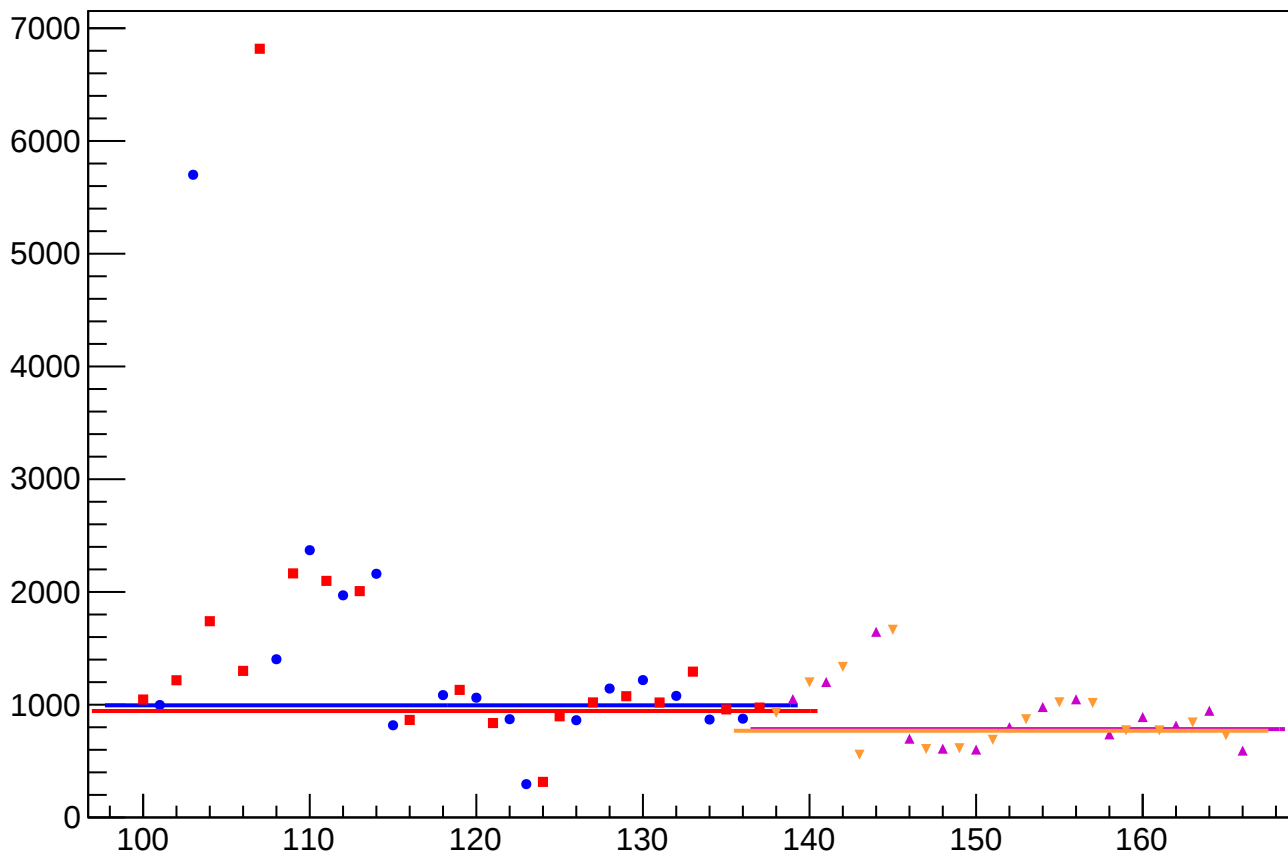
Right: -319.789 ± 293.036 $\chi^2/\text{NDF}: 29.2/35$

In: 124.008 ± 213.065 $\chi^2/\text{NDF}: 27.3/30$

Out: 117.295 ± 206.969 $\chi^2/\text{NDF}: 41.8/33$

All: 120.554 ± 148.458 $\chi^2/\text{NDF}: 69.1/64$

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 769.047+/-0.170 χ^2/NDF :1466536.9/14

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

Left In: 783.588+/-0.175 χ^2/NDF :1410801.6/13

Left: 776.101+/-0.122 χ^2/NDF : 2880900.6/28

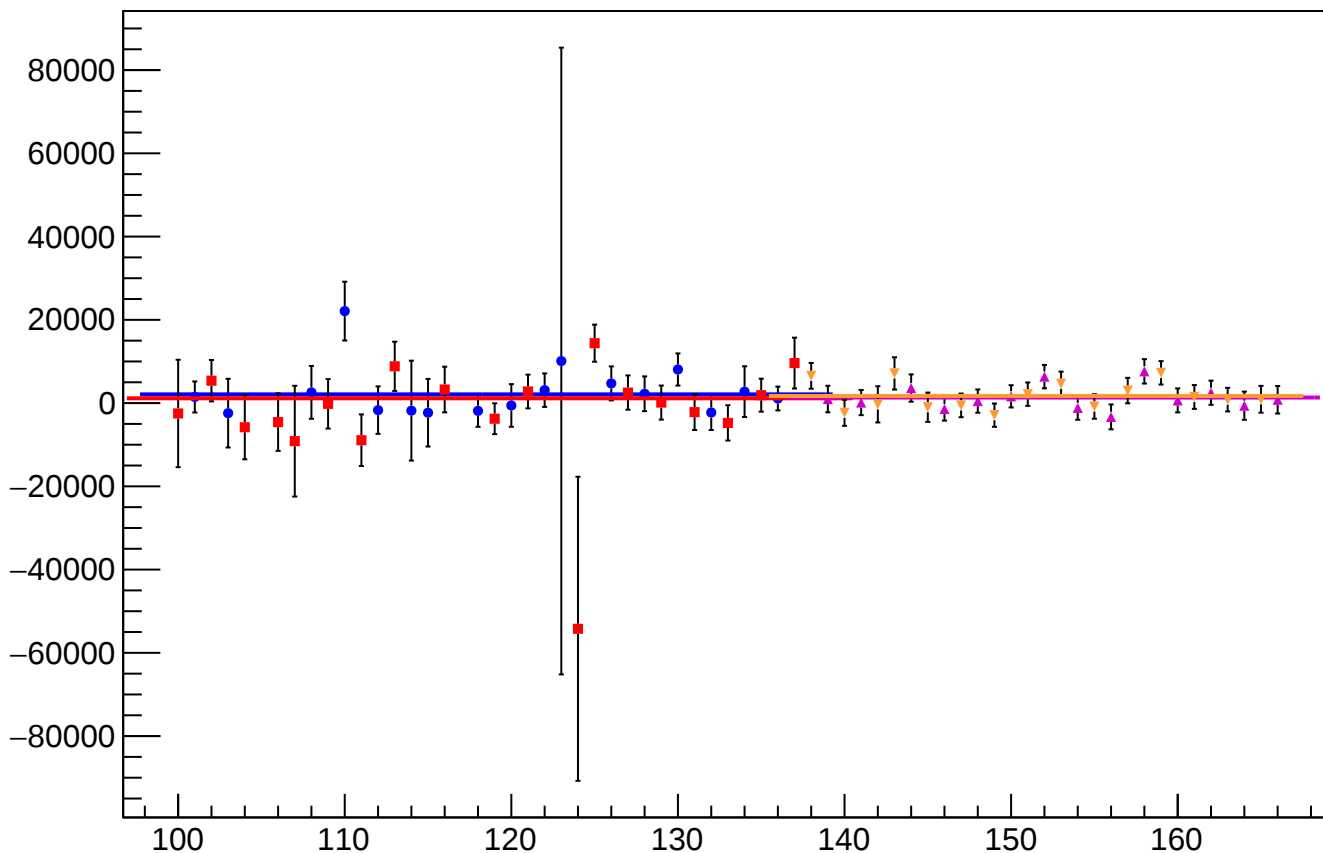
Right: 968.741+/-0.207 χ^2/NDF : 4585251.1/35

In: 837.857+/-0.151 χ^2/NDF :3689964.2/30

Out: 813.927+/-0.146 χ^2/NDF :4405698.5/33

All: 825.545+/-0.105 χ^2/NDF : 8108642.8/64

asym_atl1_mean vs Slug, Sign Corrected



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: 1331.956+/-792.092 χ^2/NDF :13.3/13

Left: 1519.190+/-559.962 χ^2/NDF : 29.7/28

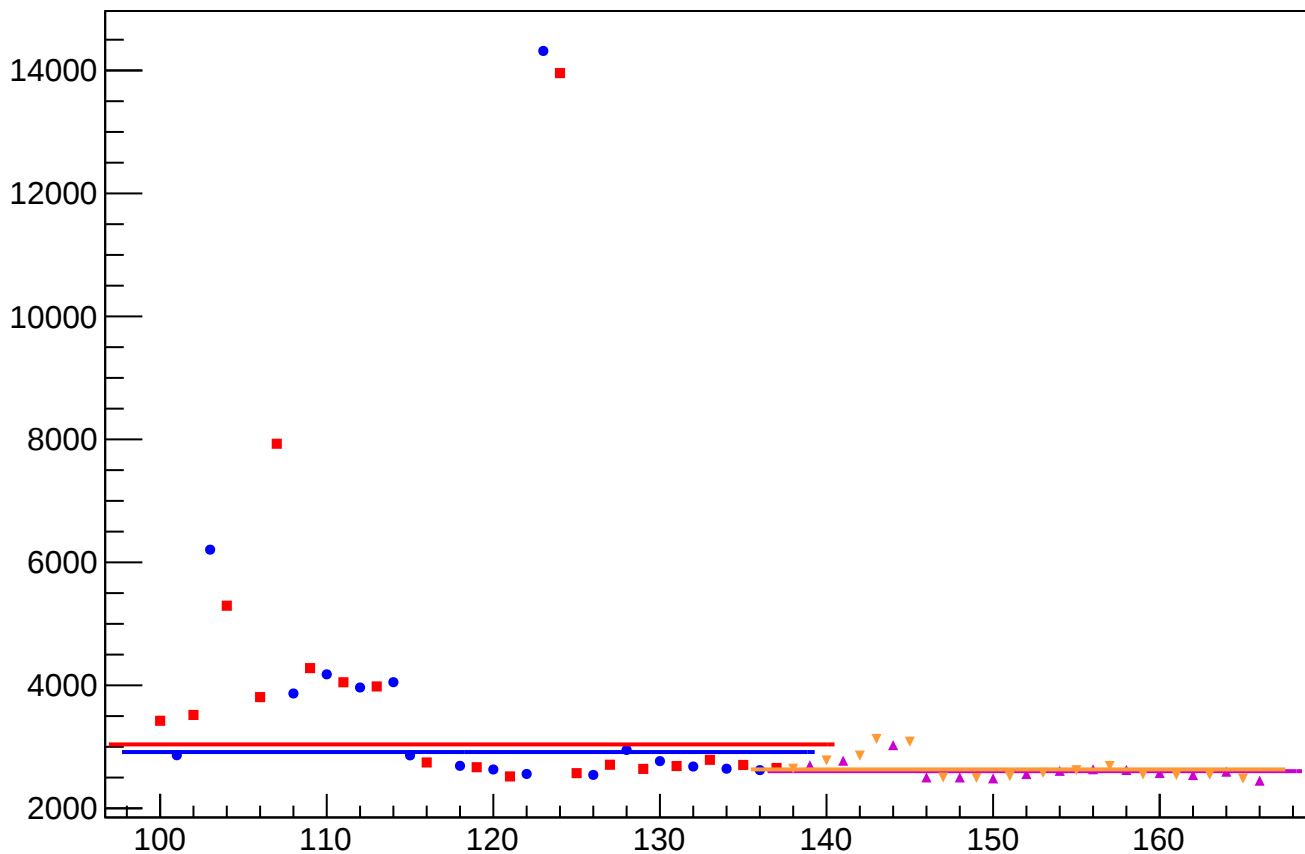
Right: 1631.633+/-829.783 χ^2/NDF : 40.1/35

In: 1574.178+/-654.214 χ^2/NDF :28.2/30

Out: 1534.299+/-658.653 χ^2/NDF :41.6/33

All: 1554.373+/-464.161 χ^2/NDF : 69.8/64

asym_atl1_rms vs Slug, Sign Corrected



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: 2604.140+/-0.560 χ^2/NDF :56983.6/13

Left: 2618.390+/-0.396 χ^2/NDF : 156874.9/28

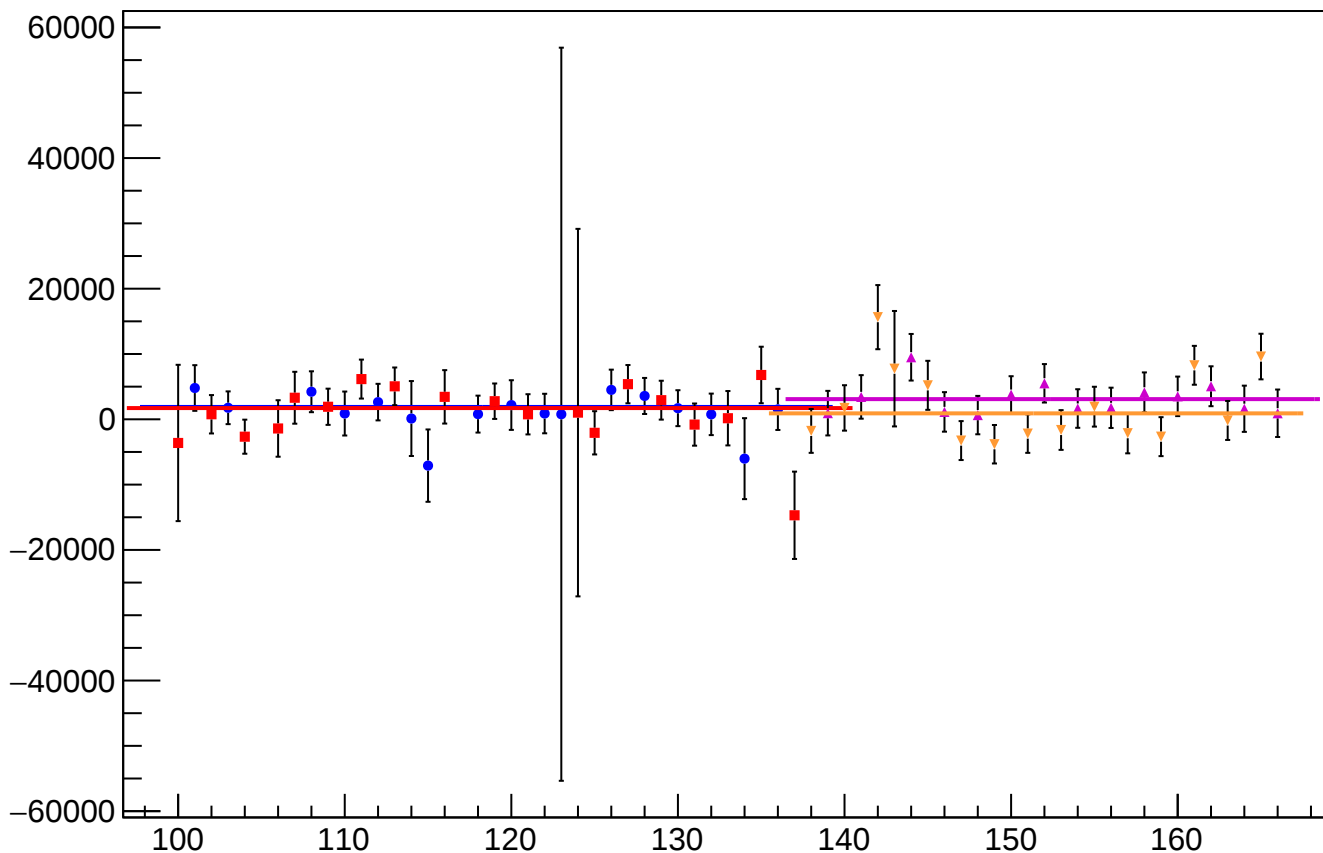
Right: 2975.767+/-0.587 χ^2/NDF : 1661668.2/35

In: 2703.006+/-0.463 χ^2/NDF :794153.6/30

Out: 2757.791+/-0.466 χ^2/NDF :1272325.8/33

All: 2730.214+/-0.328 χ^2/NDF : 2073444.6/64

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 909.539+/-851.312 χ^2/NDF : 32.9/14

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

Left In: 3090.599+/-839.294 χ^2/NDF : 7.0/13

Left: 2015.573+/-597.674 χ^2/NDF : 43.2/28

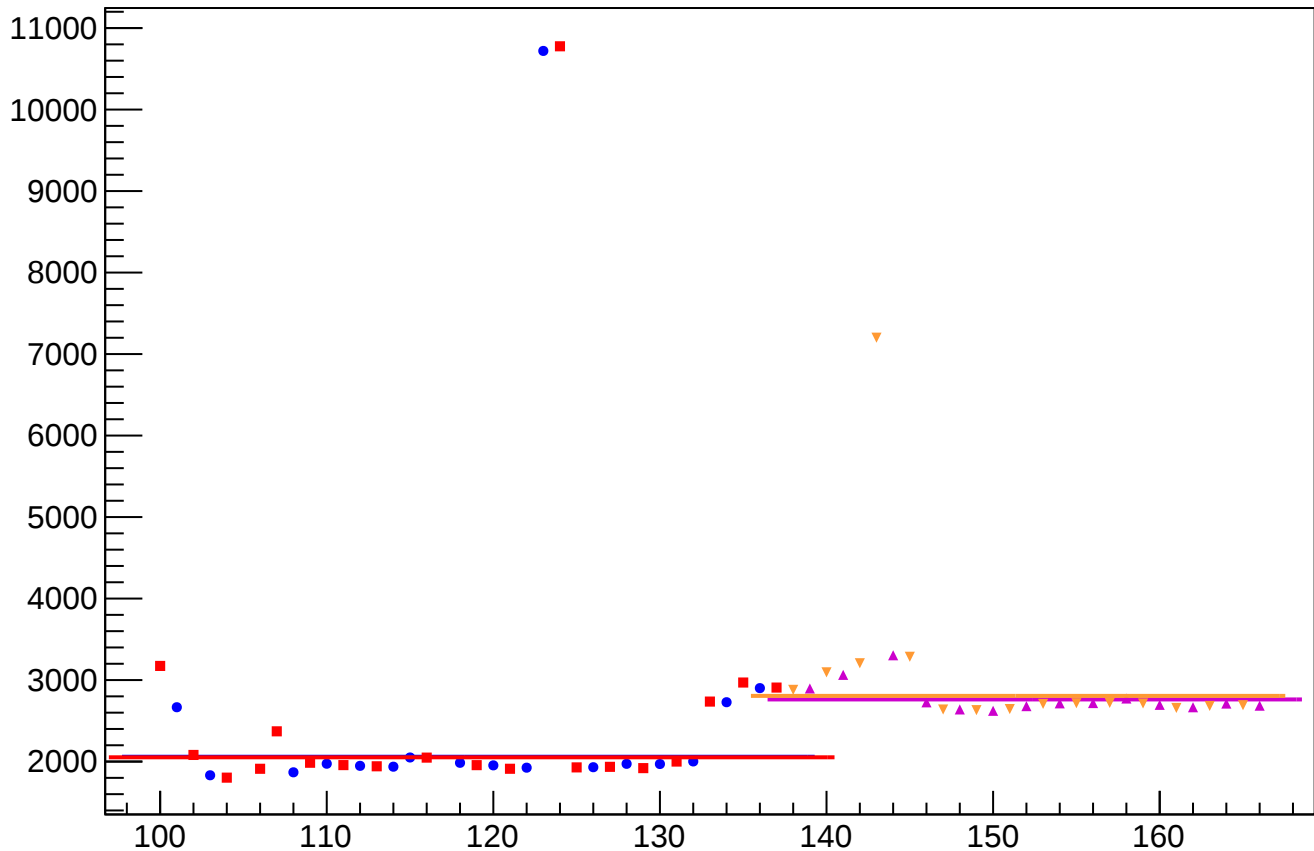
Right: 1802.263+/-566.080 χ^2/NDF : 26.2/35

In: 2470.011+/-583.370 χ^2/NDF : 15.3/30

Out: 1344.479+/-579.121 χ^2/NDF : 52.4/33

All: 1903.131+/-410.994 χ^2/NDF : 69.5/64

reg_asym_atl2_rms vs Slug, Sign Corrected



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: 2762.199+/-0.593 χ^2/NDF : 81027.0/13

Left: 2783.738+/-0.423 χ^2/NDF : 676288.2/28

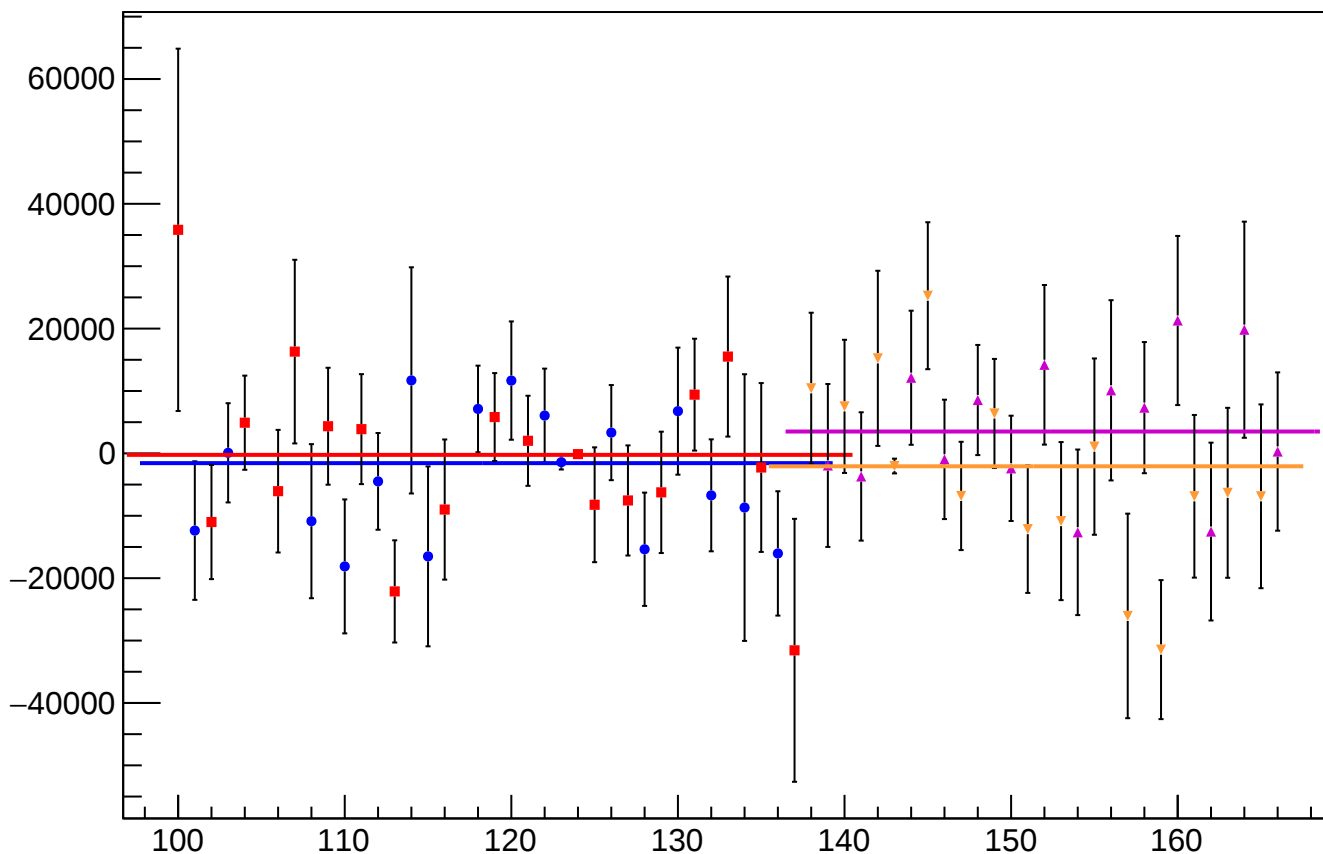
Right: 2055.522+/-0.400 χ^2/NDF : 761953.2/35

In: 2398.714+/-0.413 χ^2/NDF : 1125342.0/30

Out: 2401.016+/-0.409 χ^2/NDF : 1877971.9/33

All: 2399.873+/-0.291 χ^2/NDF : 3003329.6/64

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -2070.733 $\pm$ 1105.864 χ^2/NDF : 21.0/14

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

Left In: 3503.590 $\pm$ 3052.332 χ^2/NDF : 8.8/13

Left: -1423.935 $\pm$ 1039.729 χ^2/NDF : 32.7/28

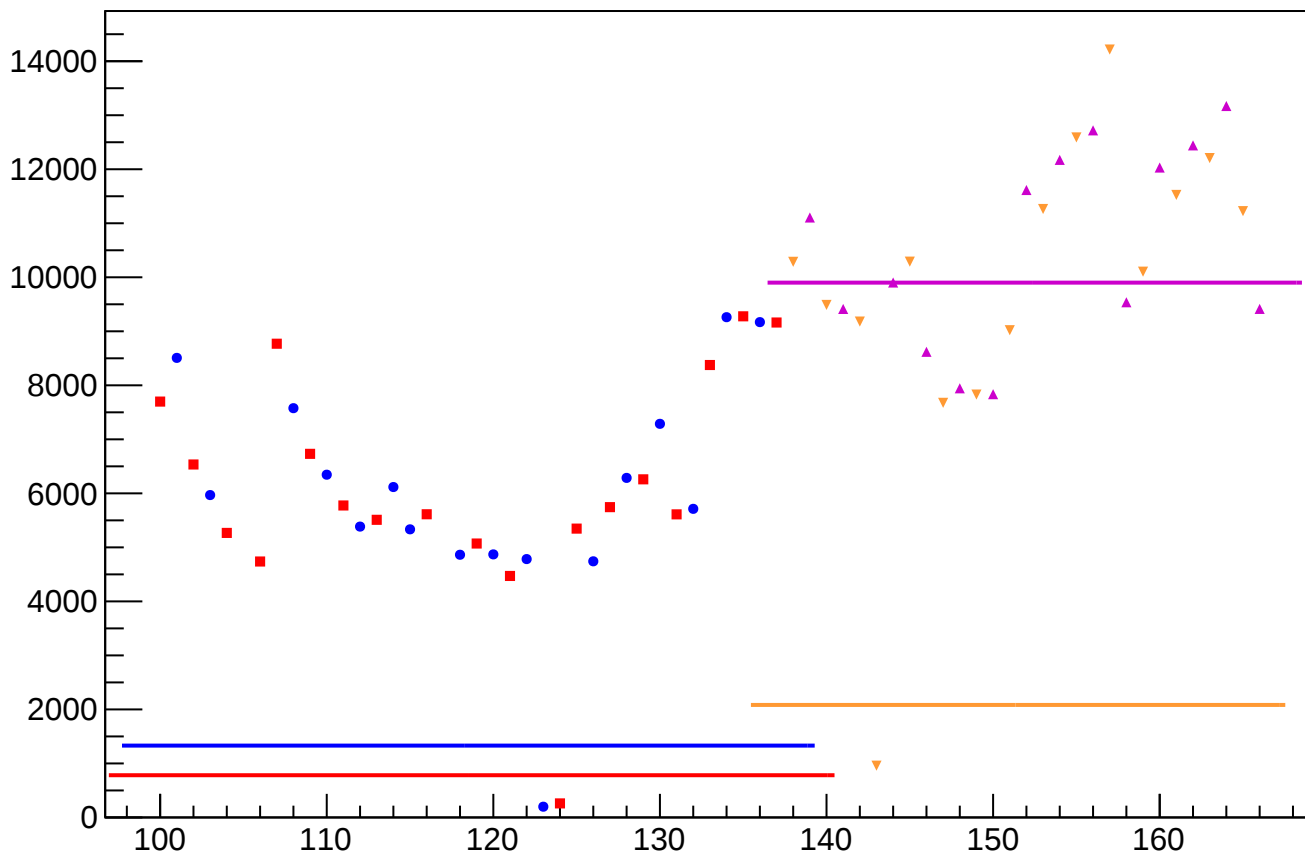
Right: -638.499 $\pm$ 580.304 χ^2/NDF : 38.1/35

In: -1023.472 $\pm$ 996.229 χ^2/NDF : 27.5/30

Out: -755.807 $\pm$ 588.541 χ^2/NDF : 43.7/33

All: -825.056 $\pm$ 506.722 χ^2/NDF : 71.3/64

asym_atl2_correction_rms vs Slug, Sign Corrected



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: 9900.876+/-2.158

χ^2/NDF : 635802.9/13

Left: 2990.129+/-0.735

χ^2/NDF : 27235498.7/28

Right: 948.102+/-0.410

χ^2/NDF : 21864055.1/35

In: 2243.243+/-0.704

χ^2/NDF : 24771421.1/30

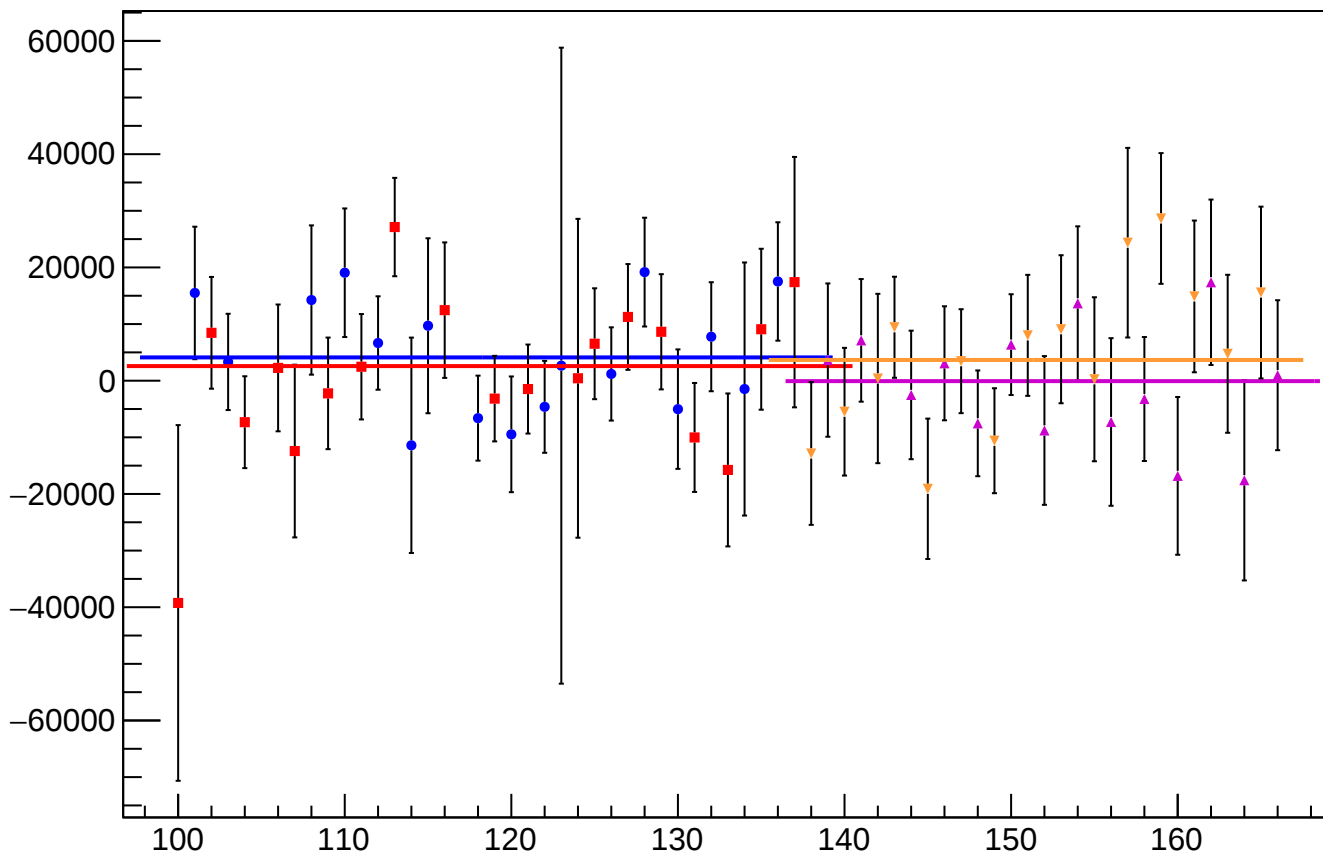
Out: 1150.385+/-0.416

χ^2/NDF : 28426237.0/33

All: 1433.124+/-0.358

χ^2/NDF : 54981778.5/6

asym_atl2_mean vs Slug, Sign Corrected



Right In: 4111.784 $\pm$ 2534.444 χ^2 /NDF: 14.3/16

Left Out: 3663.234 $\pm$ 3060.760 χ^2 /NDF:16.5/14

Right Out: 2577.719 $\pm$ 2420.480 χ^2 /NDF: 20.0/18

Left In: -75.925 $\pm$ 3185.154 χ^2 /NDF:7.5/13

Left: 1868.094 $\pm$ 2206.950 χ^2 /NDF: 24.7/28

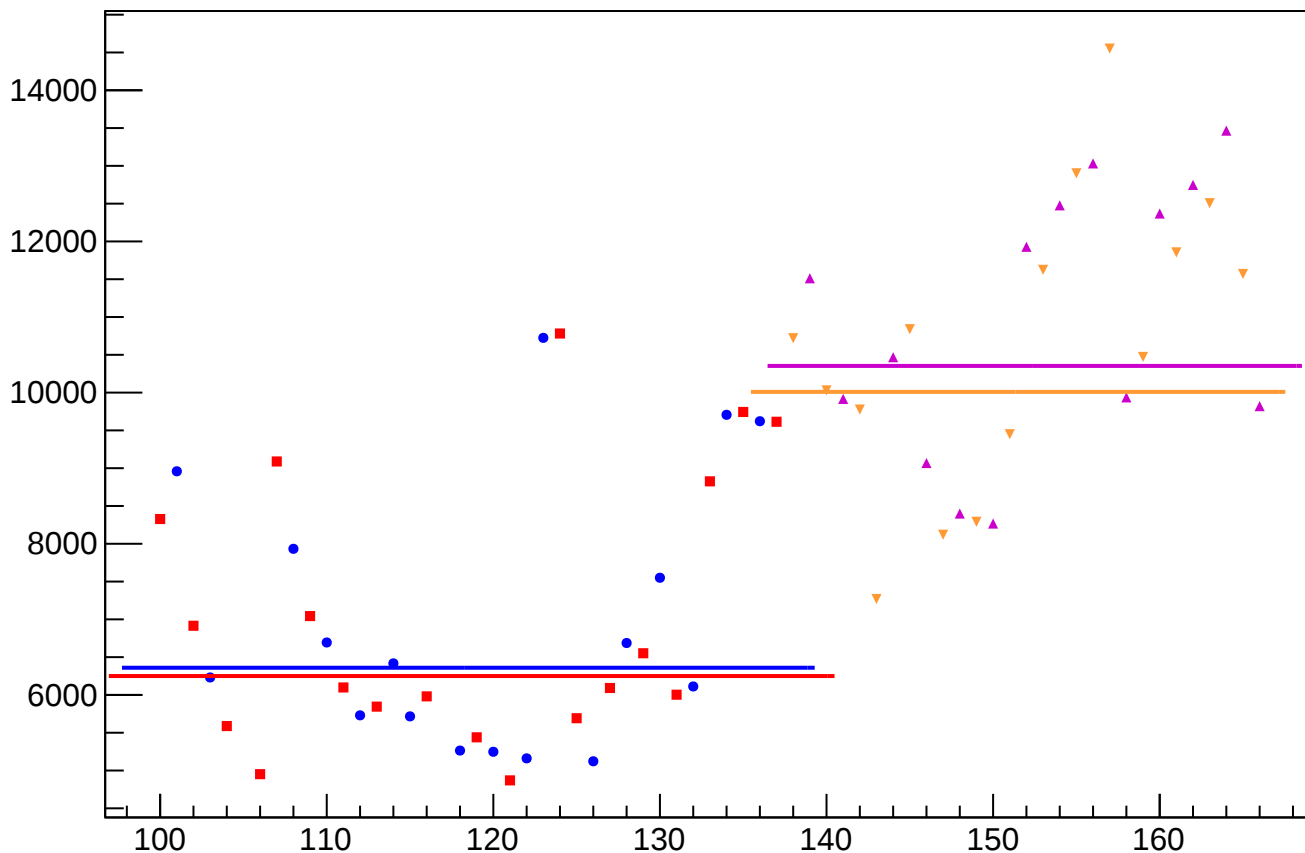
Right: 3309.487 $\pm$ 1750.441 χ^2 /NDF: 34.5/35

In: 2488.271 $\pm$ 1983.216 χ^2 /NDF:22.8/30

Out: 2995.381 $\pm$ 1898.558 χ^2 /NDF:36.5/33

All: 2752.881 $\pm$ 1371.436 χ^2 /NDF: 59.4/64

asym_atl2_rms vs Slug, Sign Corrected



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: 10353.115+/-2.252 χ^2/NDF : 554882.5/13

Left: 10174.587+/-1.561 χ^2/NDF : 1314480.2/28

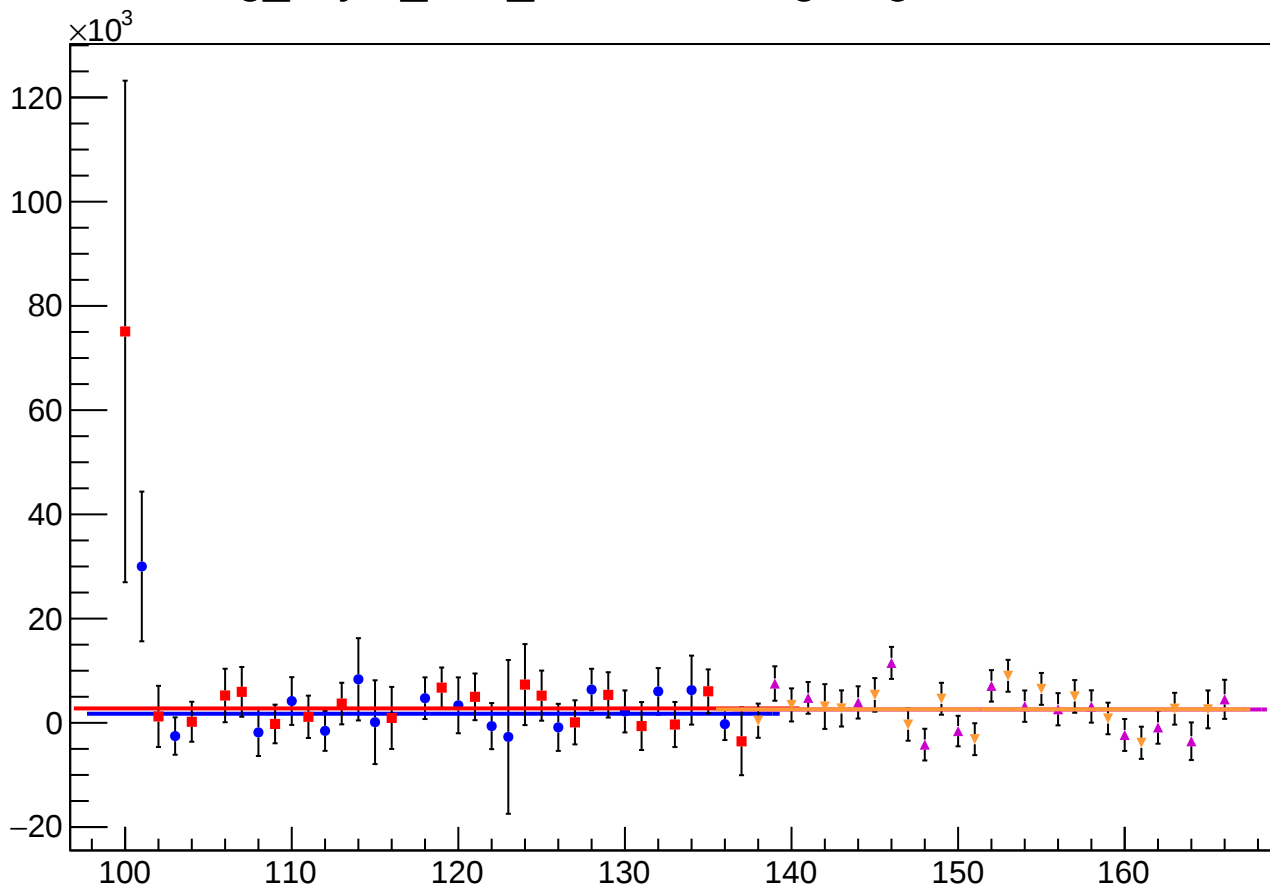
Right: 6302.460+/-1.238 χ^2/NDF : 1115403.3/35

In: 7908.019+/-1.402 χ^2/NDF : 3060150.0/30

Out: 7696.541+/-1.342 χ^2/NDF : 3137145.9/33

All: 7797.667+/-0.970 χ^2/NDF : 6209162.8/64

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2588.036 $\pm$ 828.546 χ^2/NDF : 17.5/14

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

Left In: 2563.813 $\pm$ 839.225 χ^2/NDF : 27.6/13

Left: 2576.080 $\pm$ 589.610 χ^2/NDF : 45.1/28

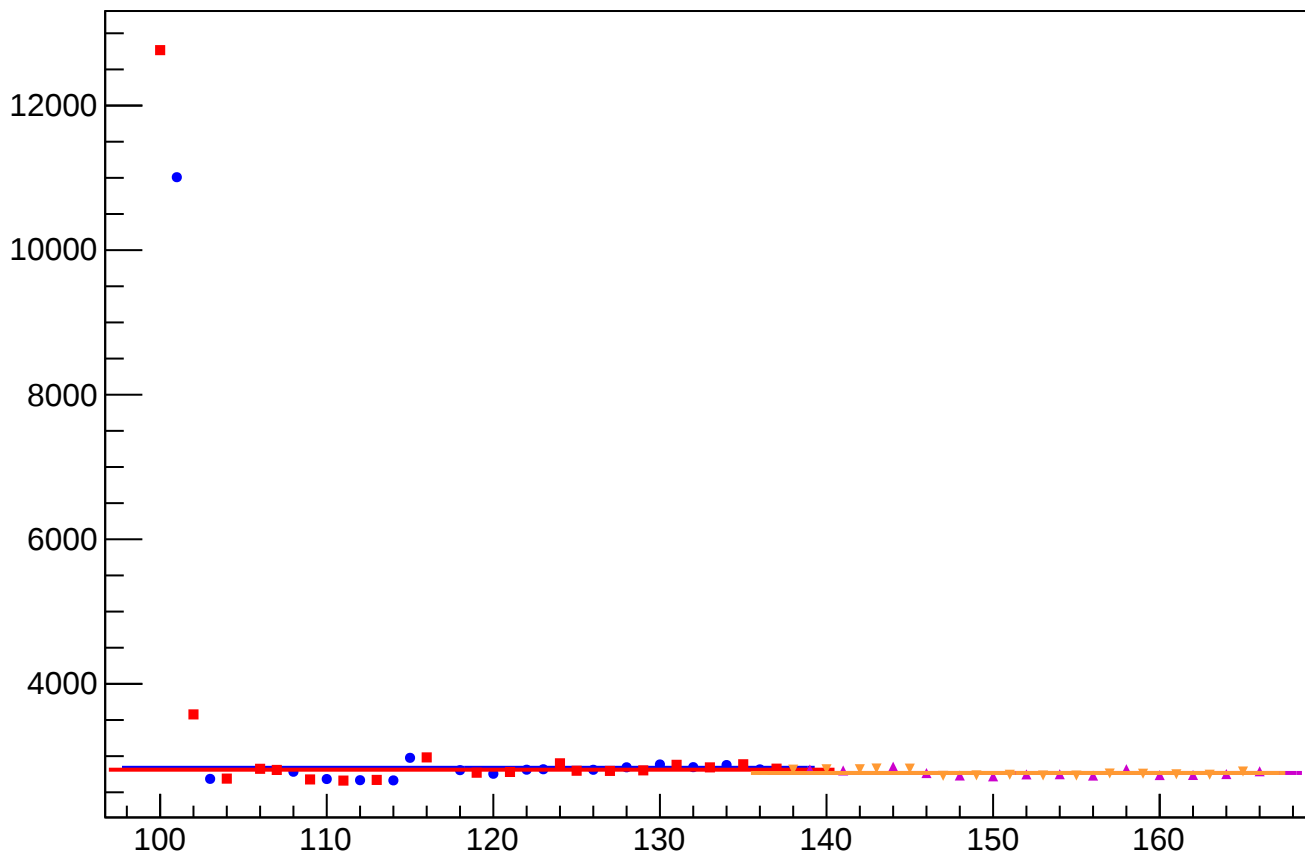
Right: 2281.084 $\pm$ 777.212 χ^2/NDF : 22.3/35

In: 2272.598 $\pm$ 673.427 χ^2/NDF : 40.2/30

Out: 2653.794 $\pm$ 655.550 χ^2/NDF : 27.2/33

All: 2468.323 $\pm$ 469.737 χ^2/NDF : 67.5/64

reg_asym_atr1_rms vs Slug, Sign Corrected



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: 2767.500+/-0.593 χ^2/NDF : 4469.9/13

Left: 2767.422+/-0.417 χ^2/NDF : 8521.4/28

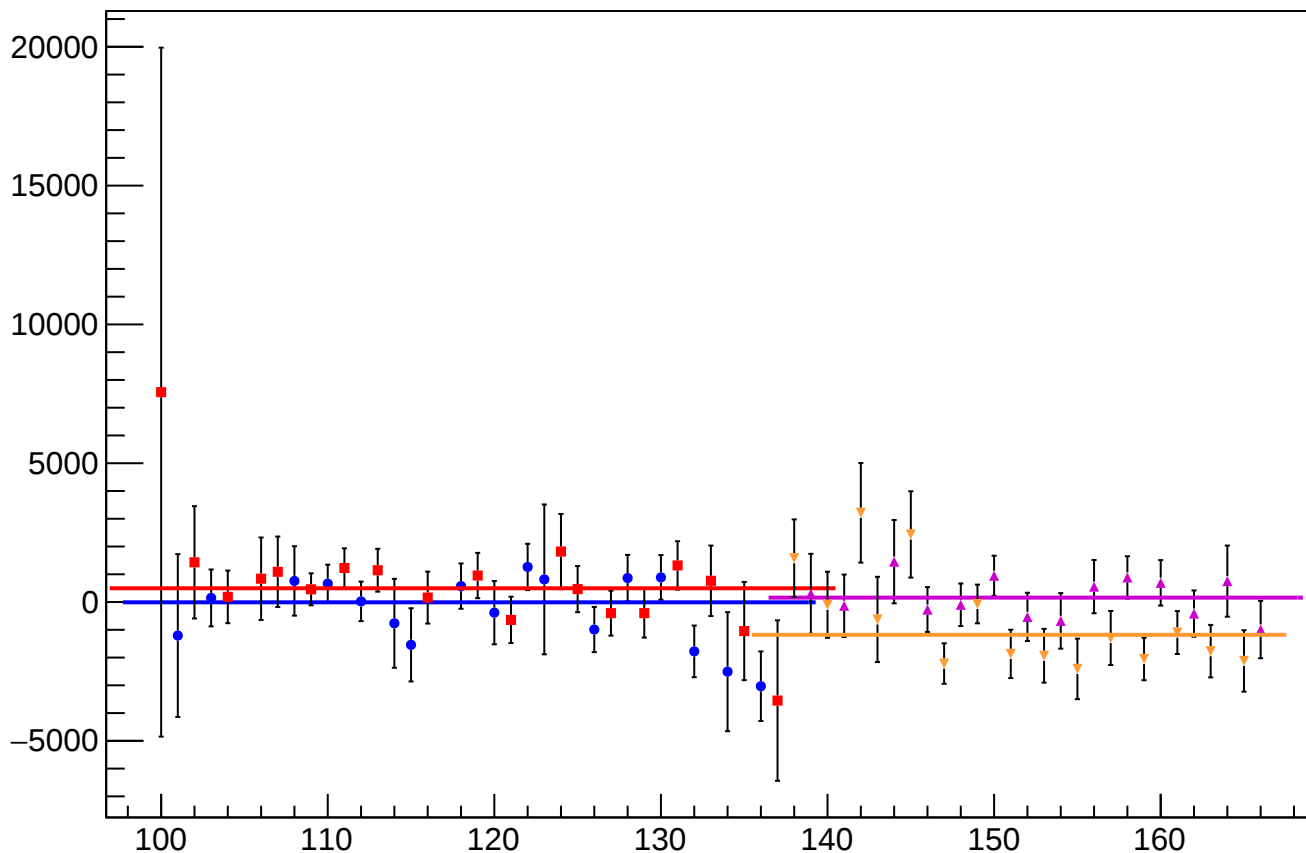
Right: 2825.011+/-0.550 χ^2/NDF : 793836.1/35

In: 2792.867+/-0.476 χ^2/NDF : 669810.9/30

Out: 2784.281+/-0.464 χ^2/NDF : 139349.5/33

All: 2788.459+/-0.332 χ^2/NDF : 809327.2/64

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -1181.176 ± 250.789 $\chi^2/\text{NDF}: 25.7/14$

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

Left In: 159.185 ± 246.378 $\chi^2/\text{NDF}: 7.2/13$

Left: -499.105 ± 175.754 $\chi^2/\text{NDF}: 47.5/28$

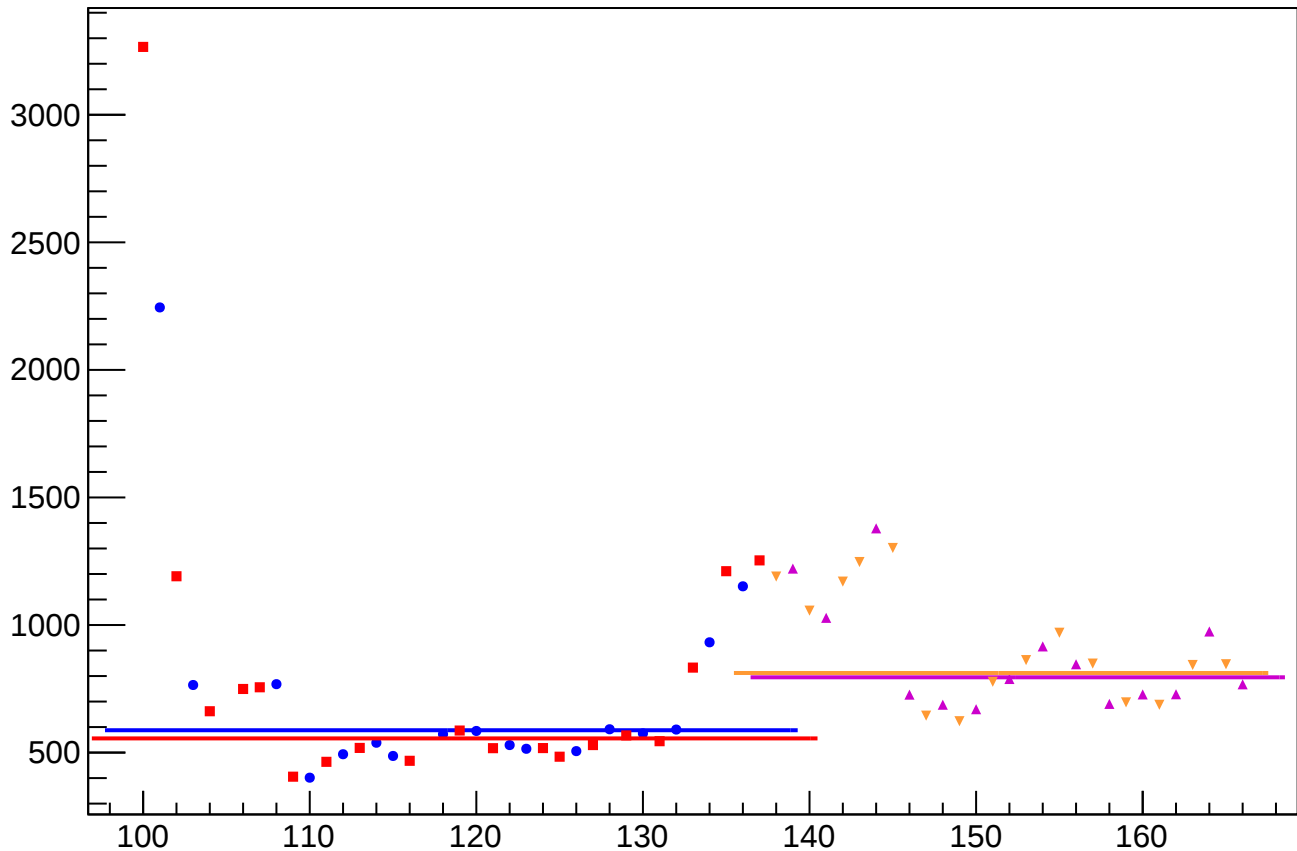
Right: 264.680 ± 163.287 $\chi^2/\text{NDF}: 35.0/35$

In: 73.042 ± 172.530 $\chi^2/\text{NDF}: 28.1/30$

Out: -239.349 ± 166.013 $\chi^2/\text{NDF}: 62.7/33$

All: -89.165 ± 119.626 $\chi^2/\text{NDF}: 92.6/64$

asym_atr1_correction_rms vs Slug, Sign Corrected



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: 795.045+/-0.174 χ^2/NDF : 816248.9/13

Left: 803.380+/-0.124 χ^2/NDF : 1897782.6/28

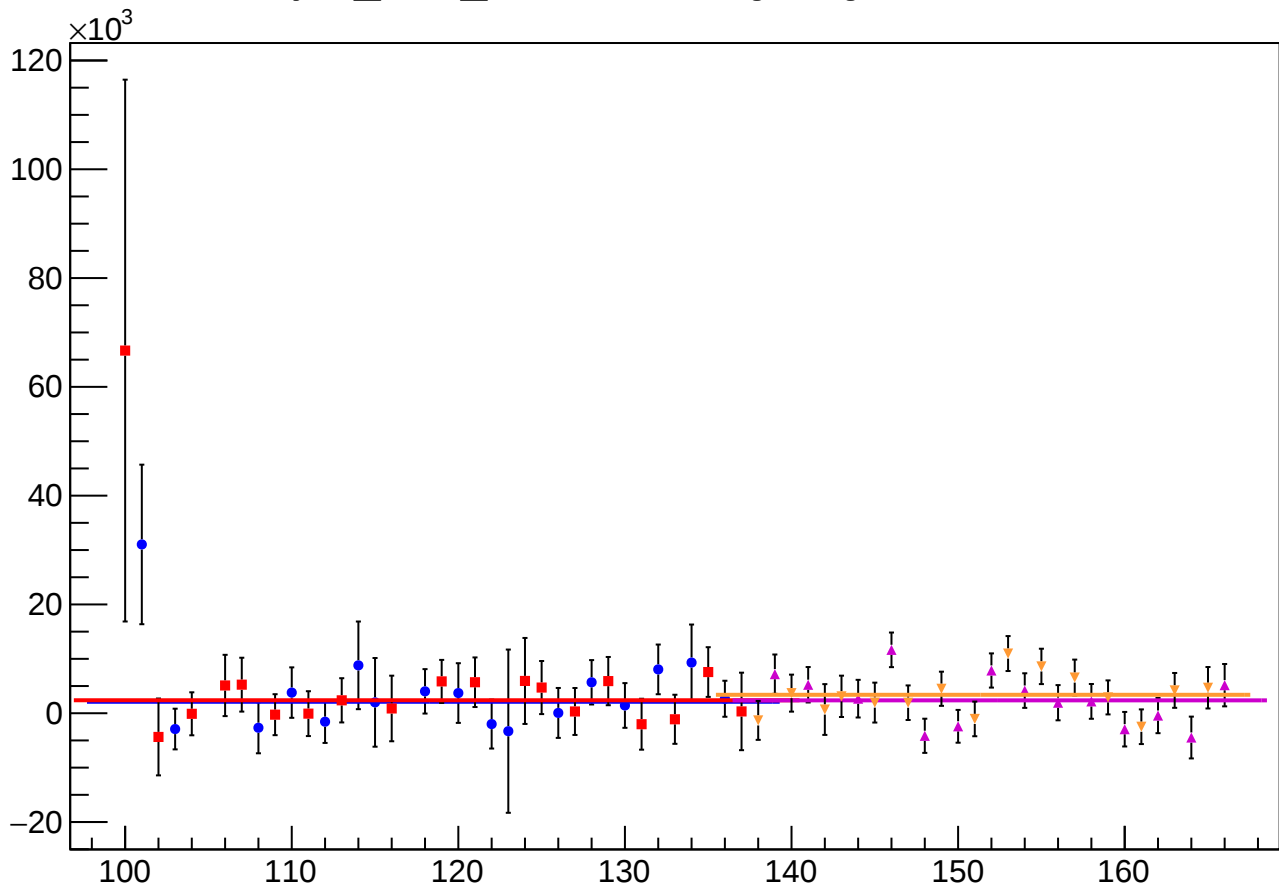
Right: 570.170+/-0.115 χ^2/NDF : 2551661.9/35

In: 689.323+/-0.122 χ^2/NDF : 2964623.0/30

Out: 667.923+/-0.117 χ^2/NDF : 3358840.8/33

All: 678.211+/-0.085 χ^2/NDF : 6339441.4/64

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2108.498+/-1164.336 χ^2/NDF : 13.5/16

Left Out: 3389.163+/-875.839 χ^2/NDF : 17.2/14

Right Out: 2385.851+/-1110.248 χ^2/NDF : 9.9/18

Left In: 2366.792+/-881.817 χ^2/NDF : 28.5/13

Left: 2881.454+/-621.415 χ^2/NDF : 46.3/28

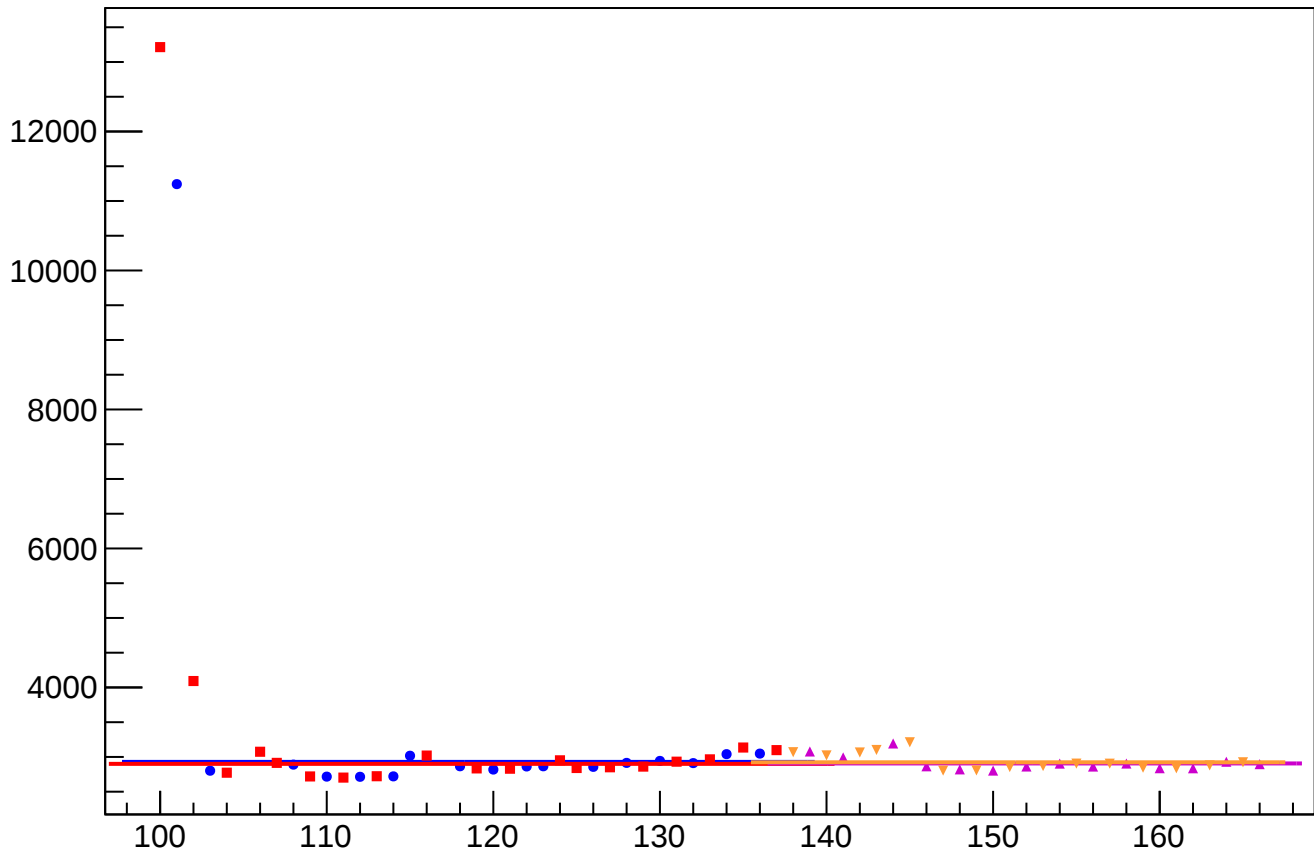
Right: 2253.766+/-803.505 χ^2/NDF : 23.4/35

In: 2272.641+/-702.964 χ^2/NDF : 42.0/30

Out: 3004.296+/-687.634 χ^2/NDF : 27.6/33

All: 2646.533+/-491.561 χ^2/NDF : 70.1/64

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2922.911+/-0.619 χ^2/NDF : 33890.5/14

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

Left In: 2906.475+/-0.624 χ^2/NDF : 26583.4/13

Left: 2914.749+/-0.439 χ^2/NDF : 60823.6/28

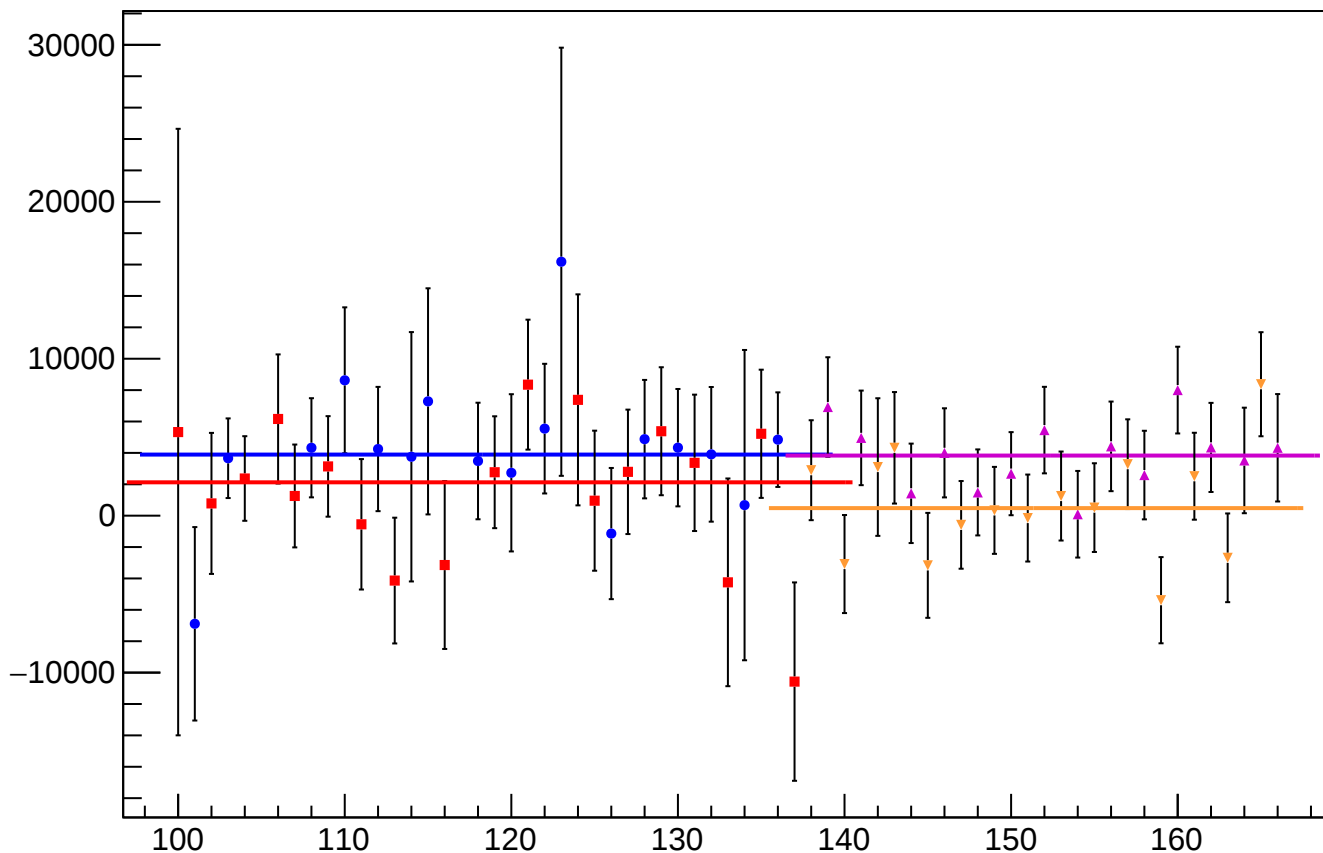
Right: 2913.915+/-0.568 χ^2/NDF : 832699.2/35

In: 2914.577+/-0.497 χ^2/NDF : 689409.4/30

Out: 2914.303+/-0.486 χ^2/NDF : 204114.7/33

All: 2914.437+/-0.348 χ^2/NDF : 893524.2/64

reg_asym_atr2_mean vs Slug, Sign Corrected



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: 3829.791+/-778.693 χ^2/NDF : 7.4/13

Left: 2149.299+/-549.585 χ^2/NDF : 34.5/28

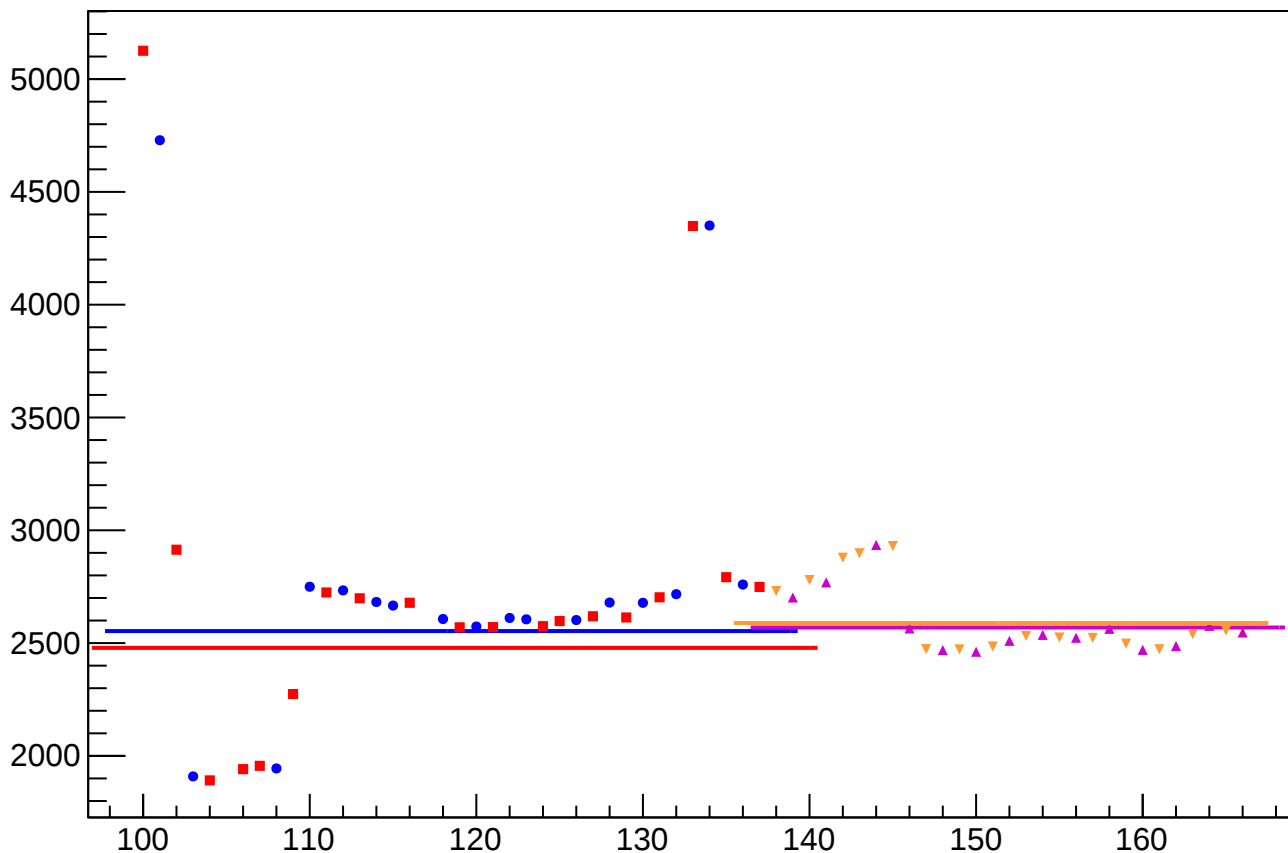
Right: 2960.811+/-695.784 χ^2/NDF : 23.1/35

In: 3853.121+/-617.079 χ^2/NDF : 14.5/30

Out: 1131.865+/-602.994 χ^2/NDF : 34.0/33

All: 2461.083+/-431.275 χ^2/NDF : 58.4/64

reg_asym_atr2_rms vs Slug, Sign Corrected



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: 2569.013+/-0.551 χ^2/NDF : 51051.2/13

Left: 2579.100+/-0.389 χ^2/NDF : 127078.6/28

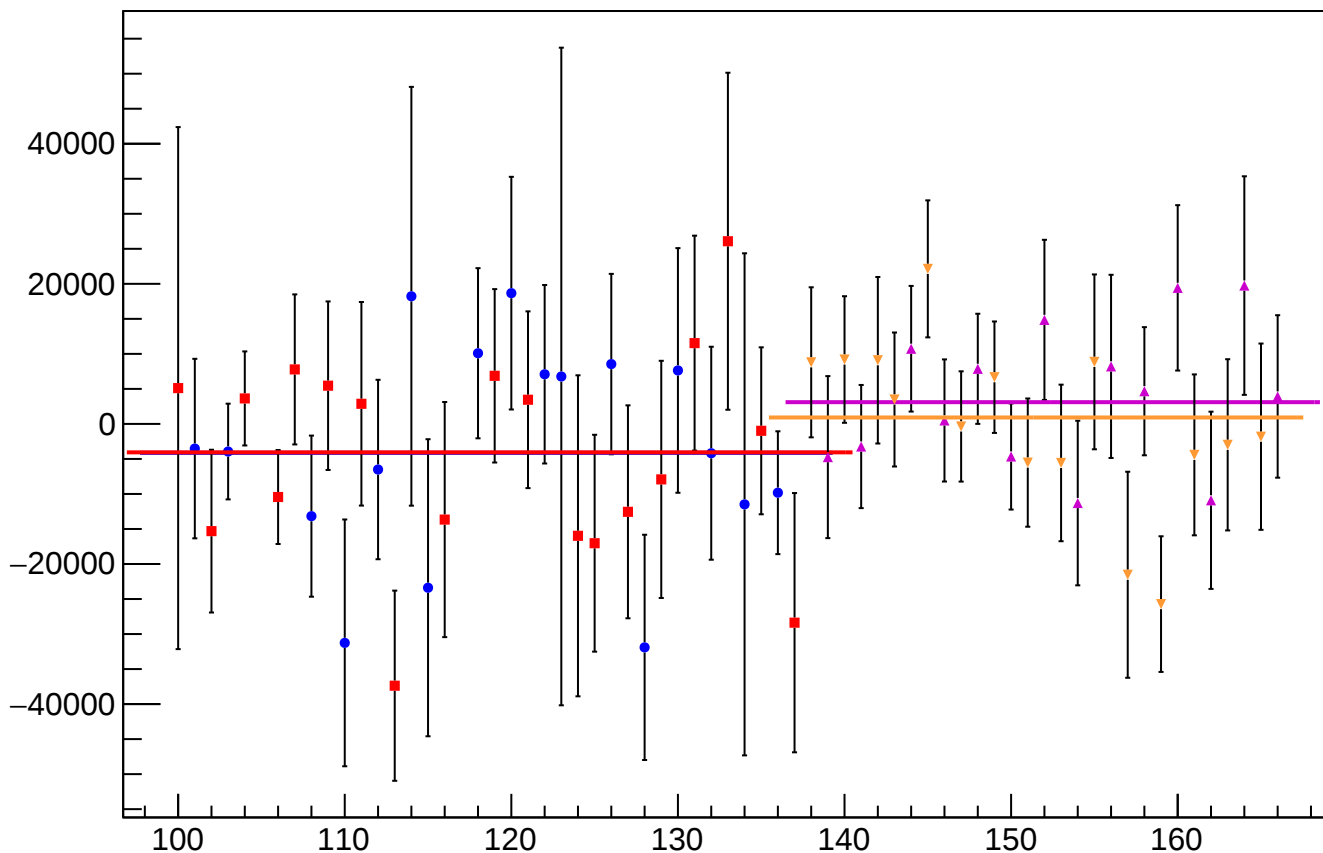
Right: 2514.058+/-0.492 χ^2/NDF : 1000433.0/35

In: 2563.160+/-0.436 χ^2/NDF : 596581.8/30

Out: 2545.470+/-0.426 χ^2/NDF : 540851.2/33

All: 2554.111+/-0.305 χ^2/NDF : 1138273.8/64

asym_atr2_correction_mean vs Slug, Sign Corrected



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: 3104.604+/-2699.082 χ^2/NDF : 10.2/13

Left: 1989.577+/-1889.167 χ^2/NDF : 29.2/28

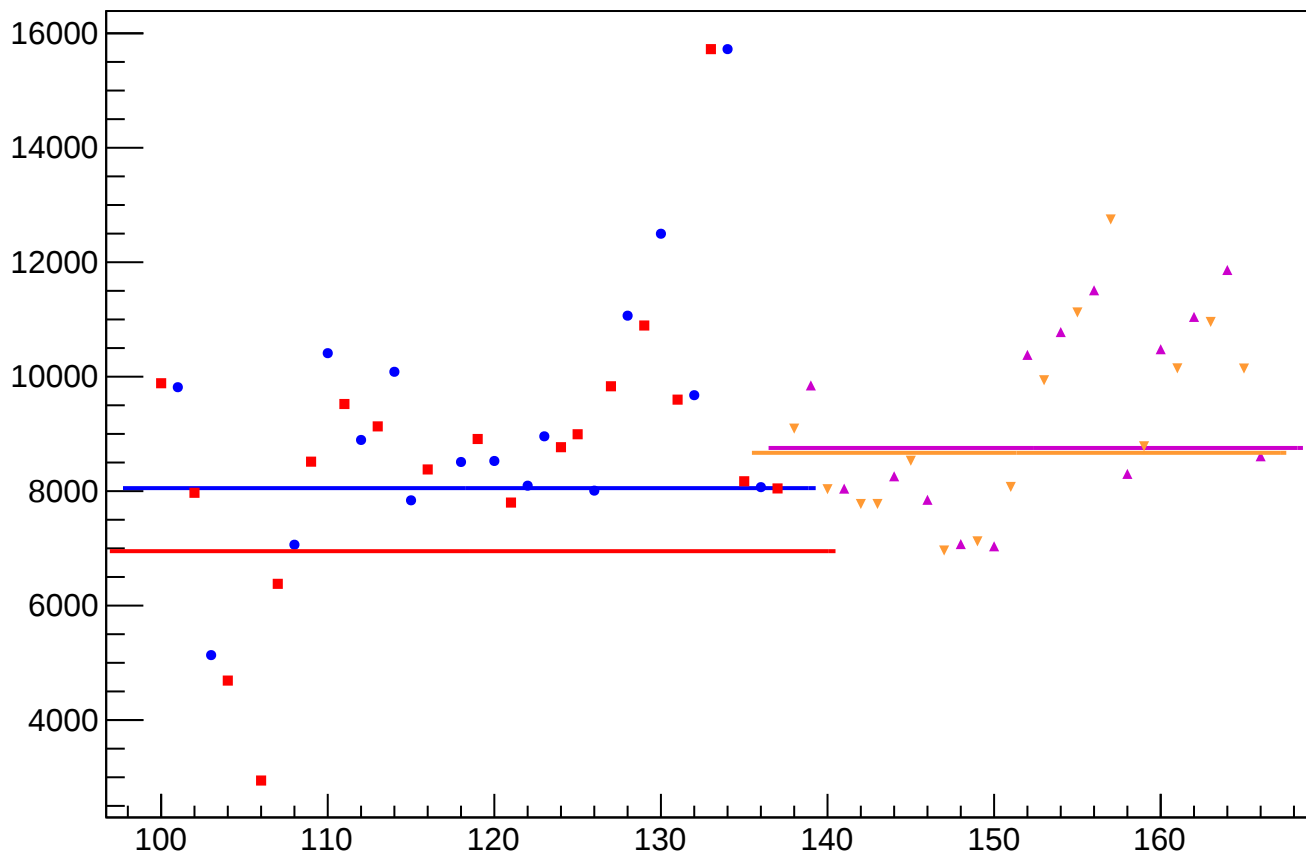
Right: -4089.066+/-2129.557 χ^2/NDF : 31.9/35

In: 128.276+/-2070.372 χ^2/NDF : 26.5/30

Out: -1399.080+/-1933.809 χ^2/NDF : 38.8/33

All: -687.432+/-1413.224 χ^2/NDF : 65.7/64

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8669.723 $\pm$ 1.870 χ^2 /NDF: 604955.1/14

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

Left In: 8754.569 $\pm$ 1.909 χ^2 /NDF: 634407.8/13

Left: 8711.290 $\pm$ 1.336 χ^2 /NDF: 1240371.1/28

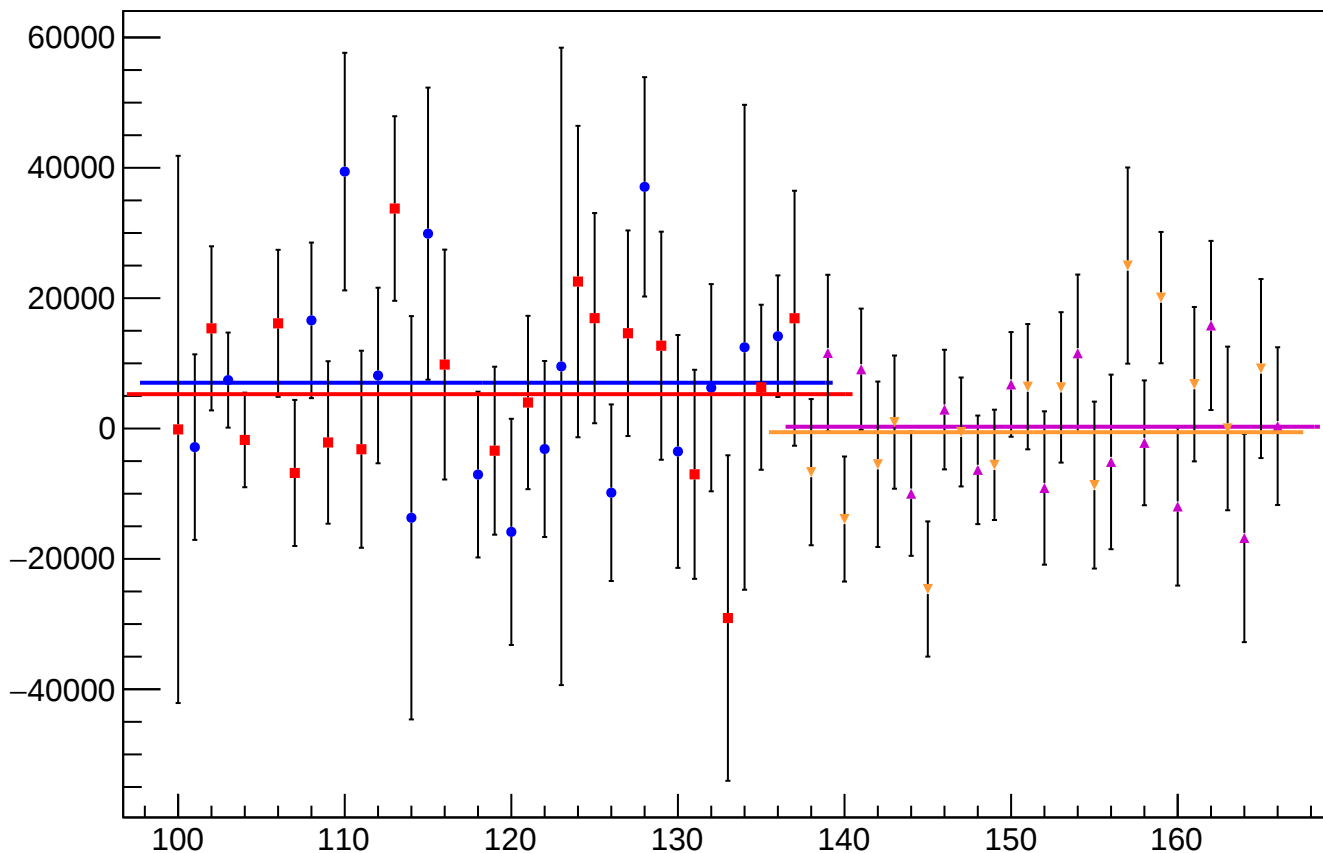
Right: 7430.673 $\pm$ 1.506 χ^2 /NDF: 2698872.2/35

In: 8465.611 $\pm$ 1.464 χ^2 /NDF: 1480822.5/30

Out: 7869.617 $\pm$ 1.367 χ^2 /NDF: 2774641.9/33

All: 8147.311 $\pm$ 0.999 χ^2 /NDF: 4343978.4/64

asym_atr2_mean vs Slug, Sign Corrected



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: 273.866+/-2824.886 χ^2/NDF :9.6/13

Left: -152.813+/-1980.386 χ^2/NDF : 27.1/28

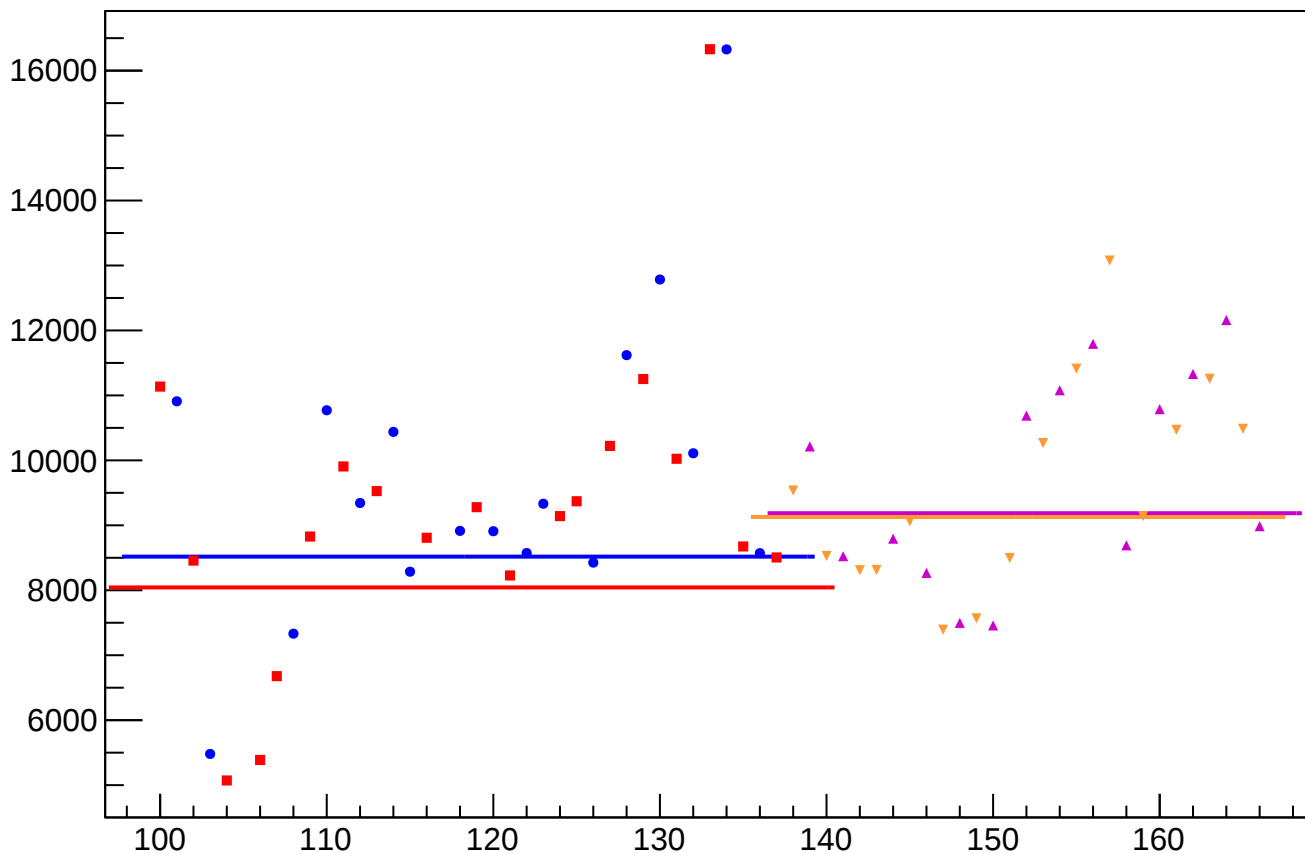
Right: 6084.354+/-2320.872 χ^2/NDF : 28.5/35

In: 3022.053+/-2175.260 χ^2/NDF :27.0/30

Out: 1970.996+/-2088.372 χ^2/NDF :32.7/33

All: 2475.114+/-1506.483 χ^2/NDF : 59.8/64

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 9128.456+/-1.964 χ^2/NDF : 517876.8/14

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

Left In: 9186.466+/-1.997 χ^2/NDF : 545079.6/13

Left: 9156.966+/-1.400 χ^2/NDF : 1063385.3/28

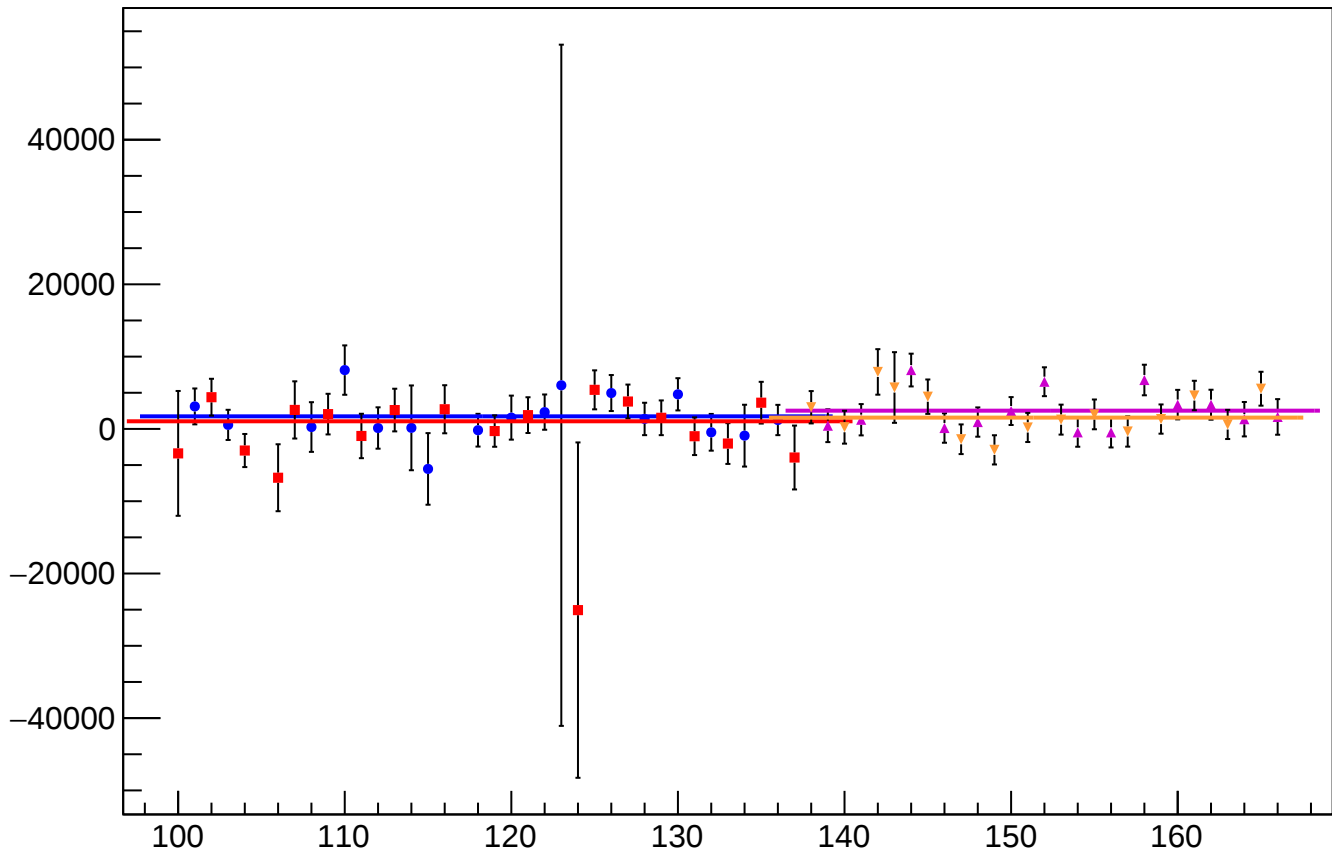
Right: 8263.573+/-1.641 χ^2/NDF : 1736141.9/35

In: 8914.323+/-1.538 χ^2/NDF : 1353962.5/30

Out: 8657.238+/-1.477 χ^2/NDF : 1602522.2/33

All: 8780.542+/-1.065 χ^2/NDF : 2971021.8/64

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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: 2524.148+/-565.766 χ^2/NDF : 22.4/13

Left: 2049.668+/-402.397 χ^2/NDF : 44.5/28

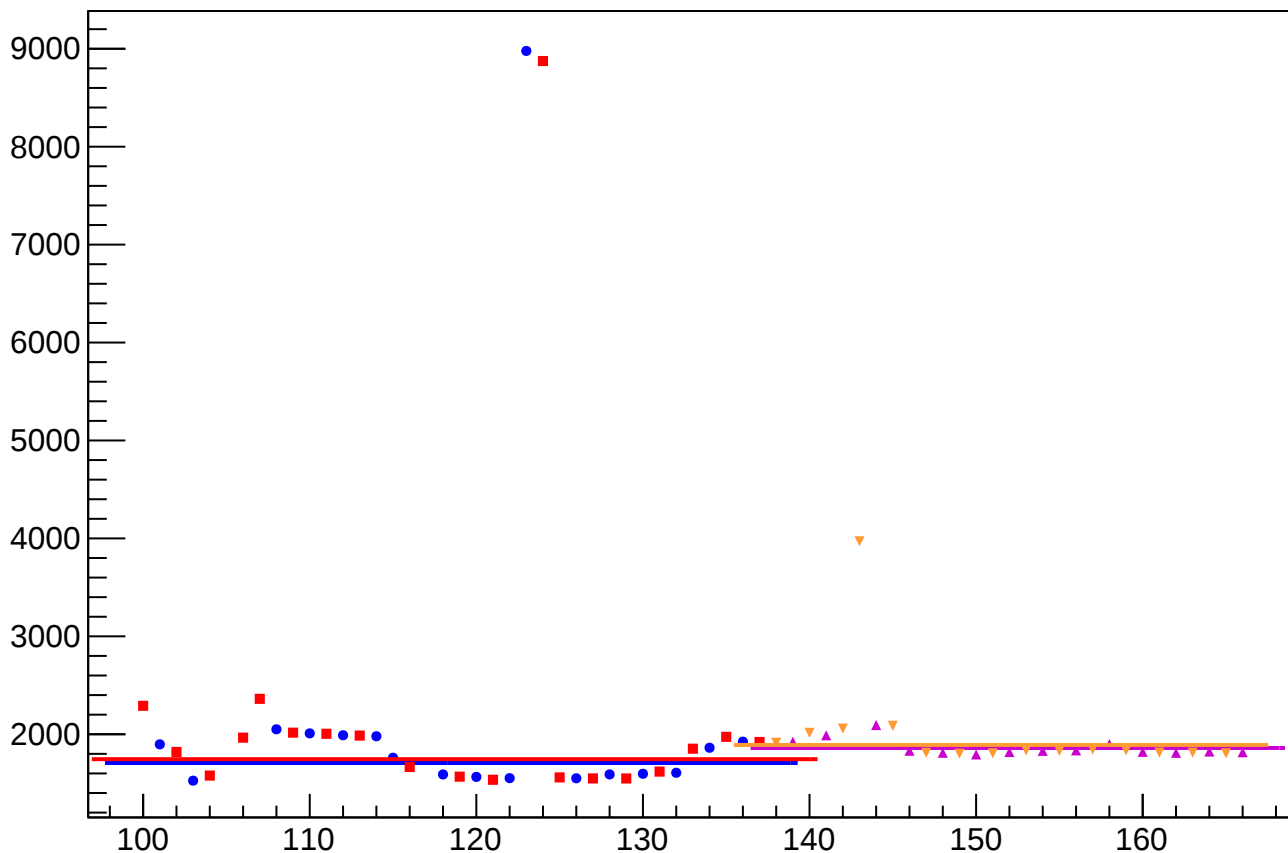
Right: 1397.913+/-474.249 χ^2/NDF : 31.8/35

In: 2197.822+/-432.372 χ^2/NDF : 35.6/30

Out: 1349.788+/-435.491 χ^2/NDF : 39.9/33

All: 1776.853+/-306.830 χ^2/NDF : 77.4/64

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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: 1860.129+/-0.400 χ^2/NDF : 39261.7/13

Left: 1875.260+/-0.285 χ^2/NDF : 454391.6/28

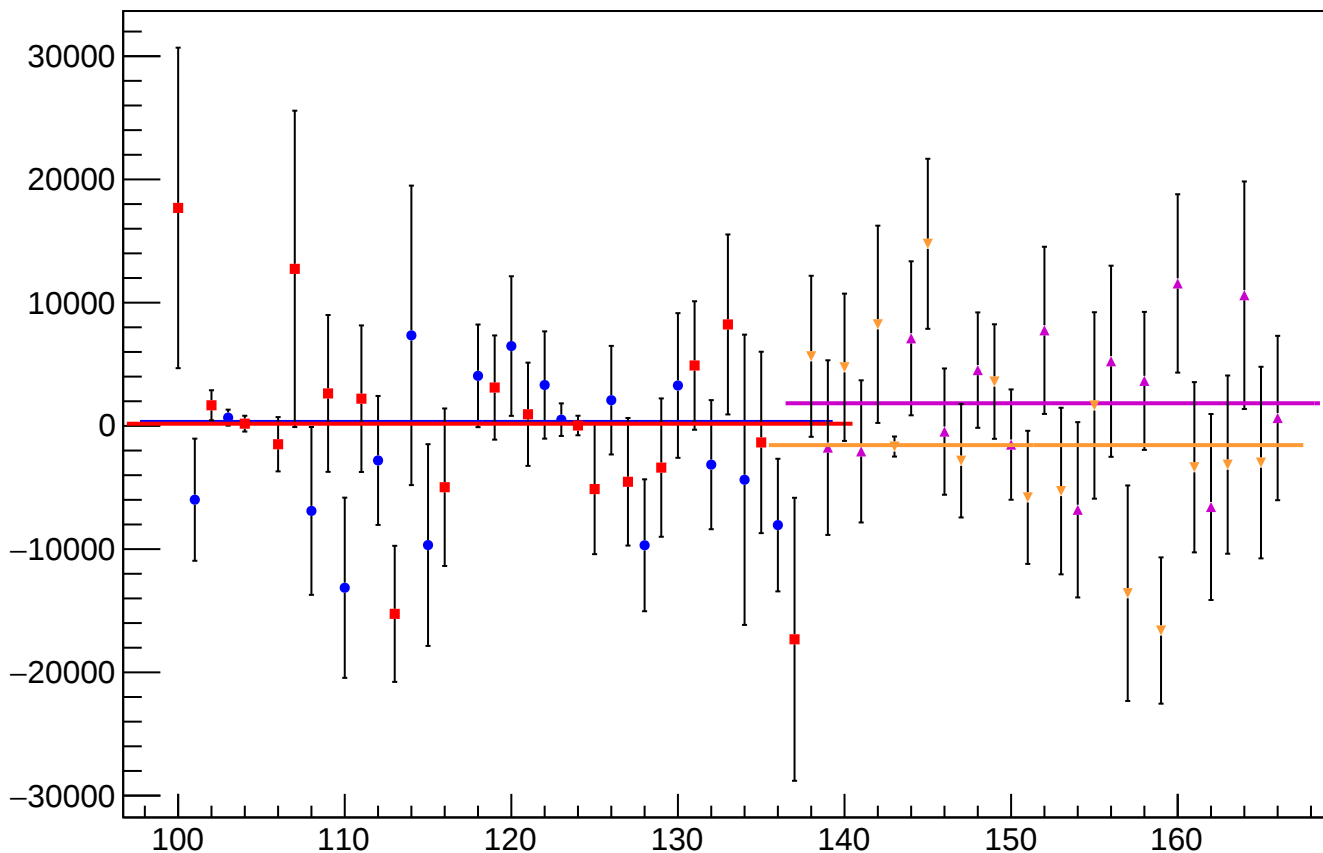
Right: 1726.220+/-0.335 χ^2/NDF : 600688.4/35

In: 1796.378+/-0.306 χ^2/NDF : 297866.1/30

Out: 1829.220+/-0.307 χ^2/NDF : 866618.8/33

All: 1812.712+/-0.217 χ^2/NDF : 1170223.9/64

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1559.239+/-733.258 χ^2/NDF : 20.3/14

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

Left In: 1836.393+/-1643.731 χ^2/NDF : 9.0/13

Left: -995.661+/-669.649 χ^2/NDF : 32.9/28

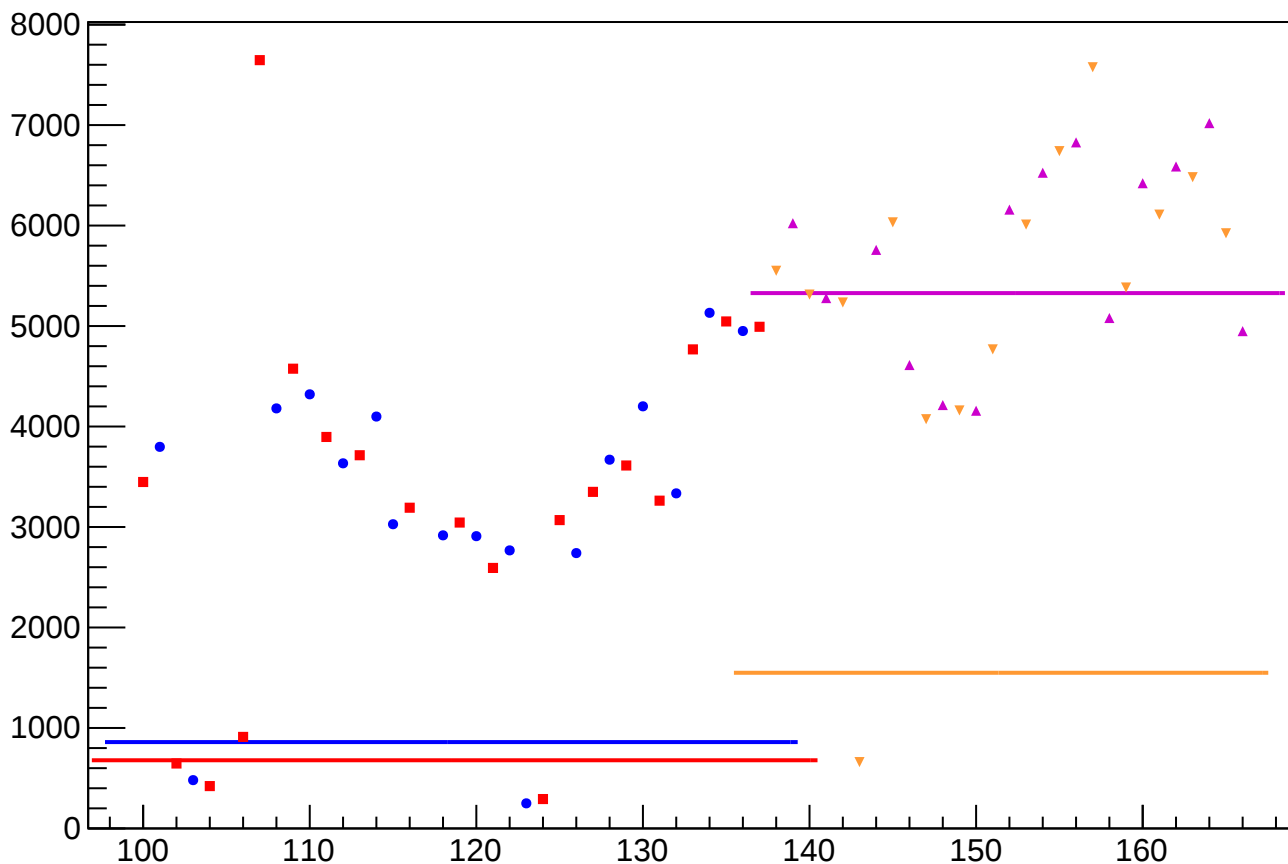
Right: 233.134+/-338.167 χ^2/NDF : 38.8/35

In: 468.717+/-513.354 χ^2/NDF : 27.8/30

Out: -273.019+/-373.197 χ^2/NDF : 45.2/33

All: -16.554+/-301.860 χ^2/NDF : 74.4/64

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

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

Left In: 5327.844 $\pm$ 1.162 χ^2 /NDF: 658456.0/13

Left: 2176.460 $\pm$ 0.474 χ^2 /NDF: 22640164.9/28

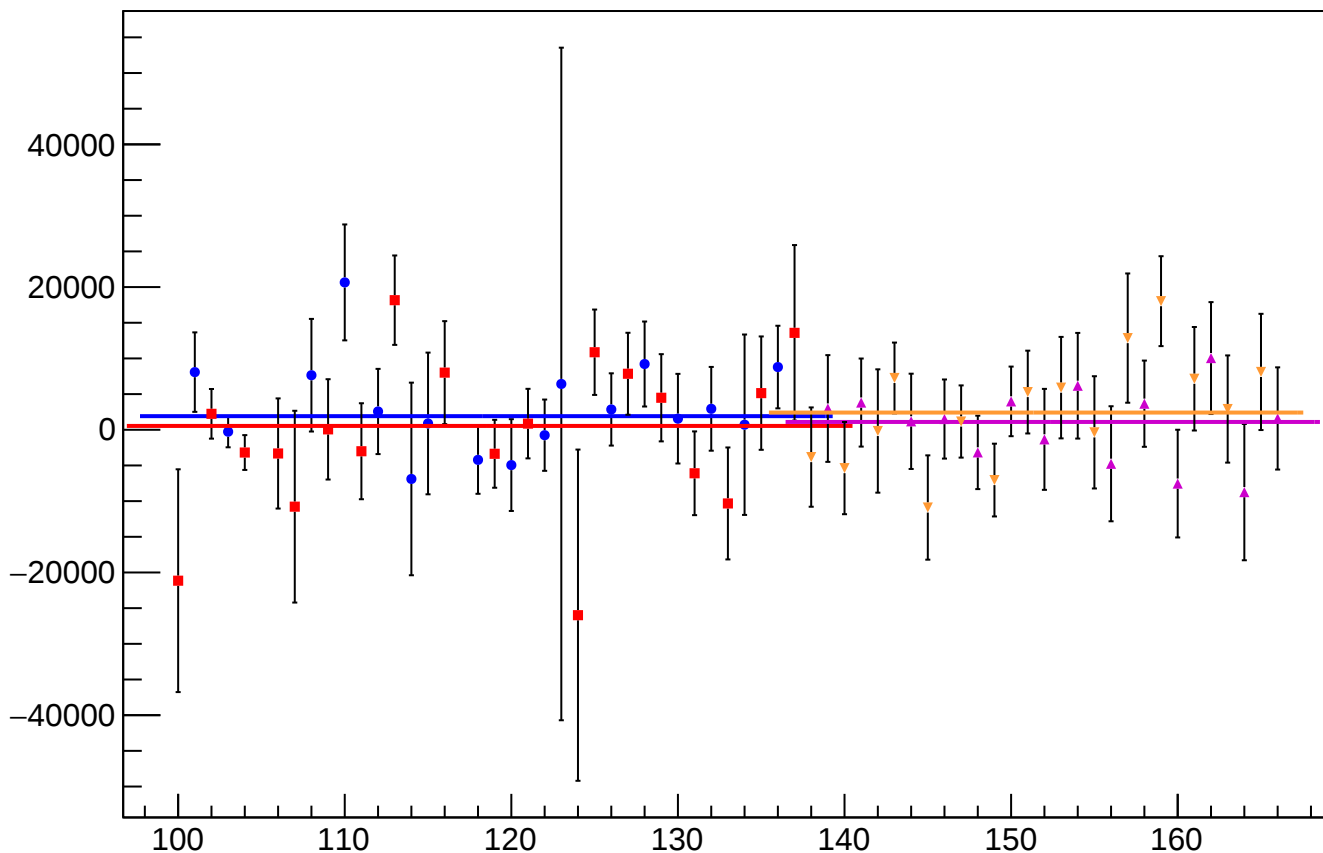
Right: 749.467 $\pm$ 0.239 χ^2 /NDF: 16664518.8/35

In: 1295.383 $\pm$ 0.363 χ^2 /NDF: 22139387.6/30

Out: 904.156 $\pm$ 0.264 χ^2 /NDF: 23641860.7/33

All: 1039.428 $\pm$ 0.213 χ^2 /NDF: 46541206.5/66

asym_atl_avg_mean vs Slug, Sign Corrected



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: 1096.429+/-1756.398 χ^2/NDF : 6.3/13

Left: 1780.056+/-1218.195 χ^2/NDF : 25.7/28

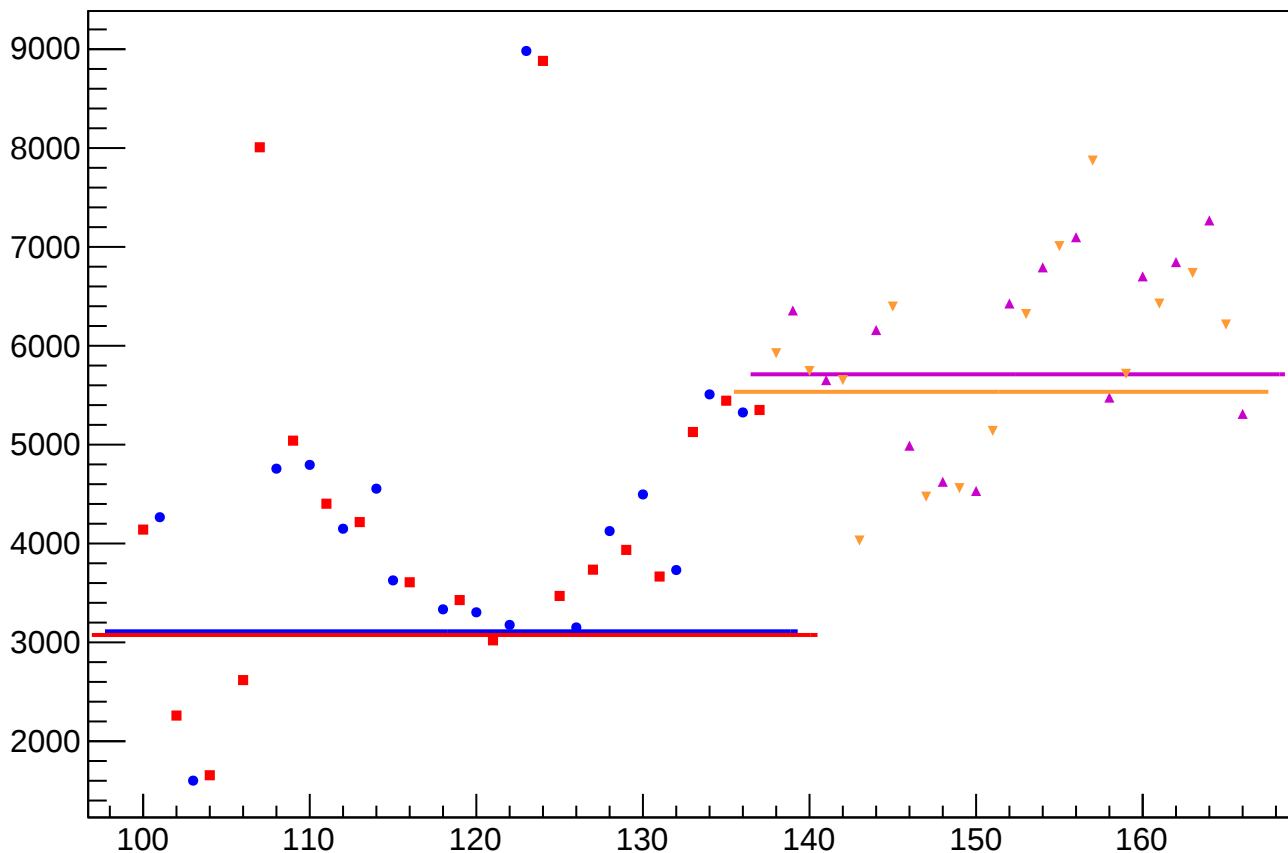
Right: 1211.574+/-917.716 χ^2/NDF : 41.6/35

In: 1618.713+/-1050.204 χ^2/NDF : 21.0/30

Out: 1226.168+/-1023.535 χ^2/NDF : 46.3/33

All: 1417.393+/-732.996 χ^2/NDF : 67.4/64

asym_atl_avg_rms vs Slug, Sign Corrected



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: 5711.372+/-1.242 χ^2/NDF : 525490.1/13

Left: 5619.511+/-0.861 χ^2/NDF : 1251907.1/28

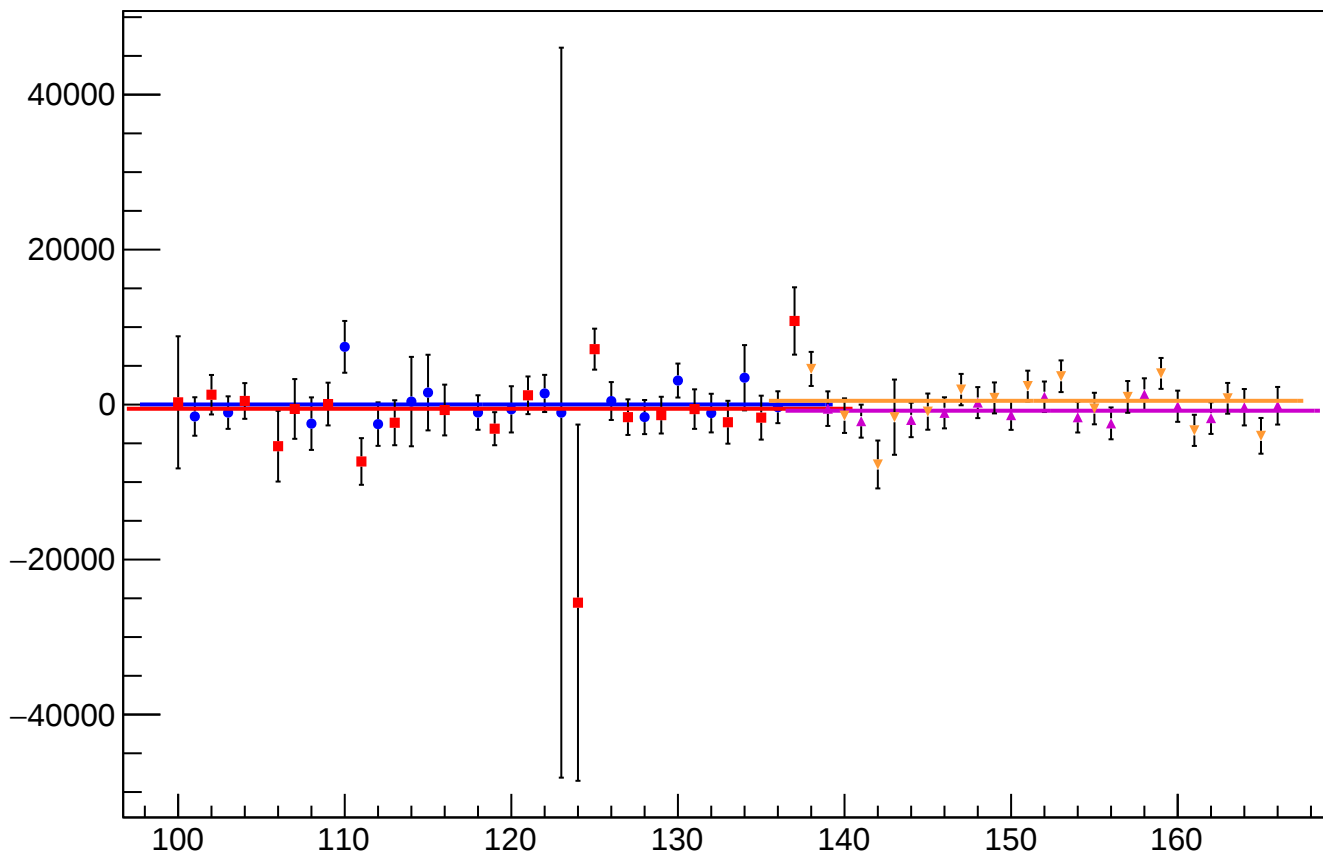
Right: 3092.680+/-0.644 χ^2/NDF : 3886012.7/35

In: 4041.210+/-0.743 χ^2/NDF : 5219801.0/30

Out: 3959.273+/-0.717 χ^2/NDF : 5431020.1/33

All: 3998.808+/-0.516 χ^2/NDF : 10657121.2/66

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 14.118 ± 661.101 $\chi^2/\text{NDF}: 11.1/16$

Left Out: 488.786 ± 563.857 $\chi^2/\text{NDF}: 26.6/14$

Right Out: -537.476 ± 661.143 $\chi^2/\text{NDF}: 26.7/18$

Left In: -789.896 ± 557.441 $\chi^2/\text{NDF}: 4.1/13$

Left: -157.871 ± 396.419 $\chi^2/\text{NDF}: 33.4/28$

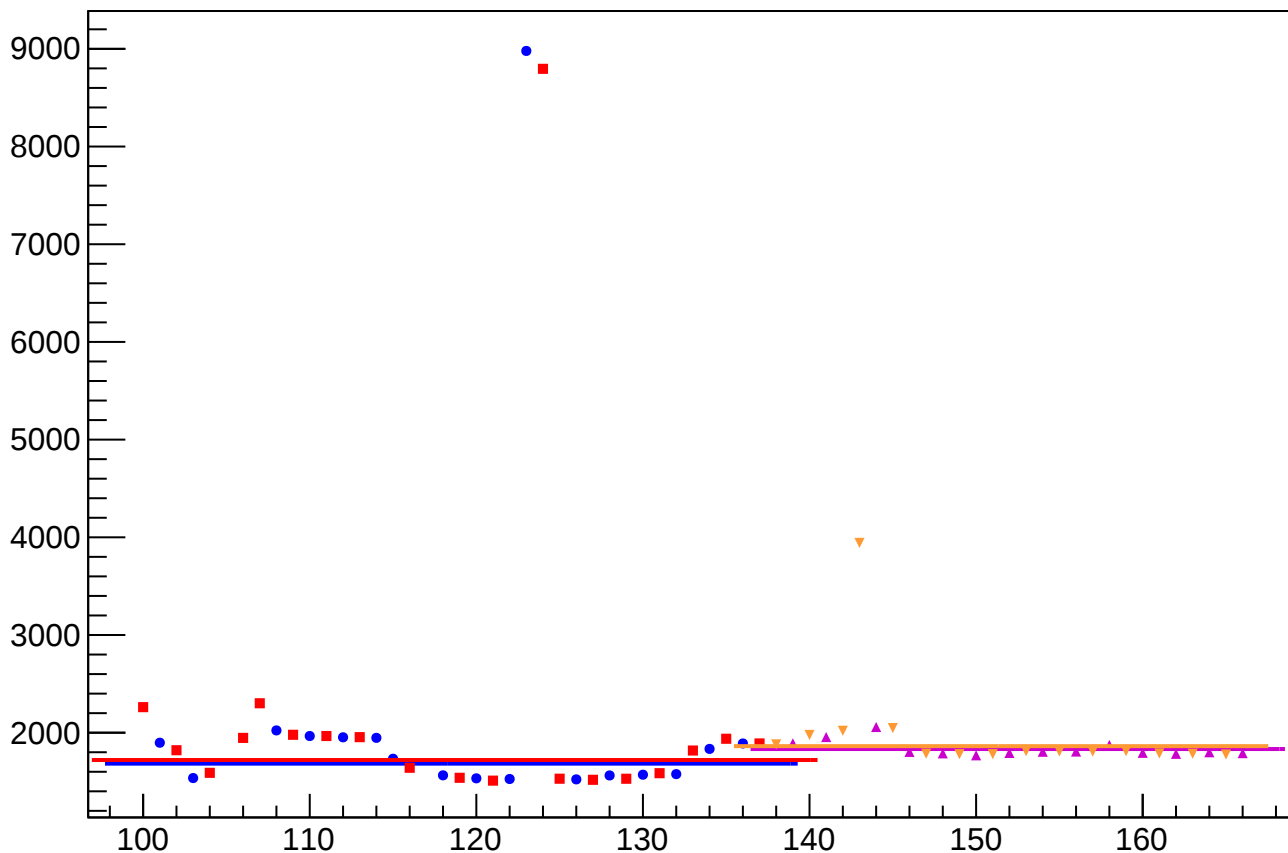
Right: -261.662 ± 467.484 $\chi^2/\text{NDF}: 38.1/35$

In: -455.794 ± 426.163 $\chi^2/\text{NDF}: 16.1/30$

Out: 56.647 ± 429.020 $\chi^2/\text{NDF}: 54.7/33$

All: -201.286 ± 302.348 $\chi^2/\text{NDF}: 71.6/64$

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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: 1832.781+/-0.394 χ^2/NDF : 37473.3/13

Left: 1847.374+/-0.280 χ^2/NDF : 454600.9/28

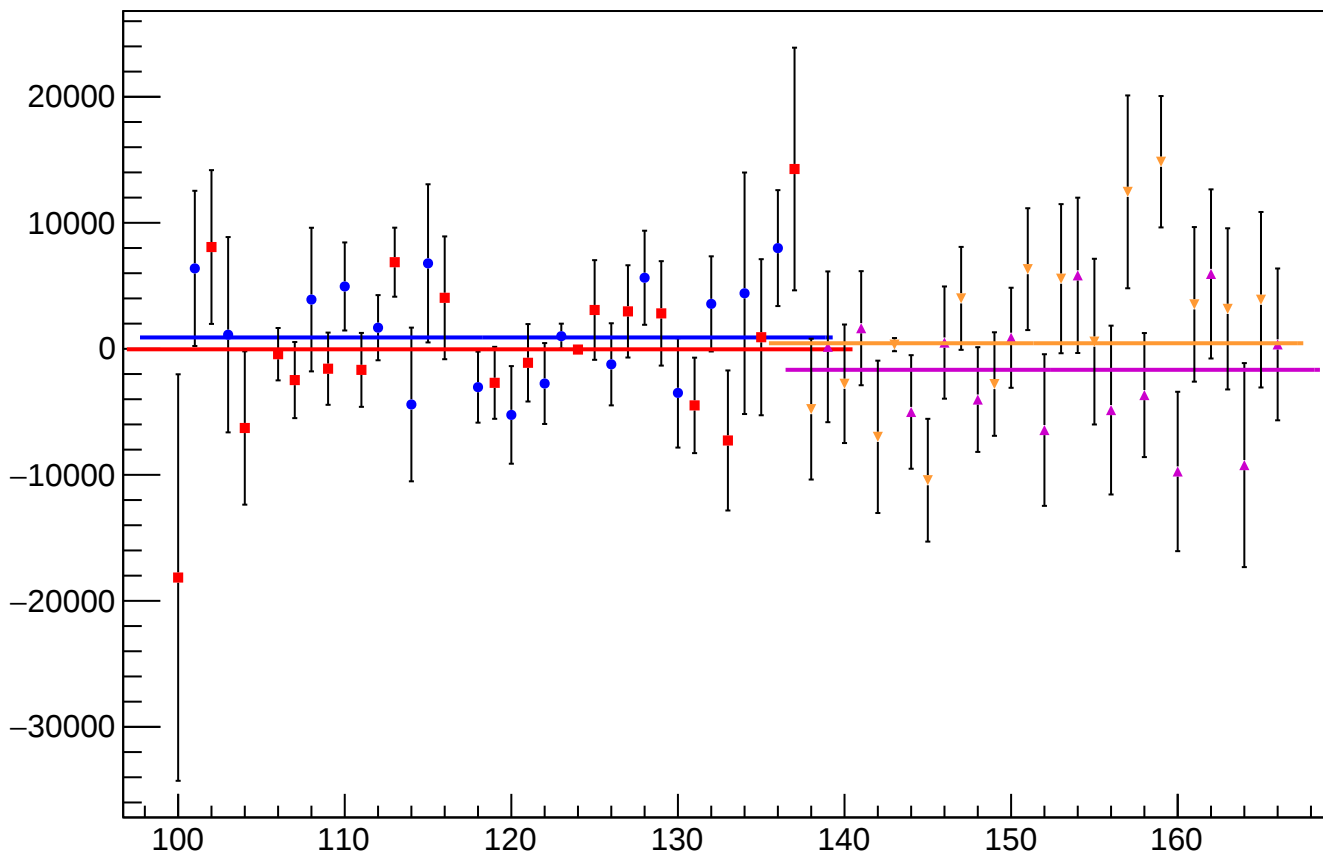
Right: 1701.898+/-0.330 χ^2/NDF : 595159.7/35

In: 1770.648+/-0.301 χ^2/NDF : 293161.2/30

Out: 1802.242+/-0.303 χ^2/NDF : 864077.5/33

All: 1786.368+/-0.214 χ^2/NDF : 1162708.1/64

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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: -1665.167+/-1406.830 χ^2/NDF : 8.5/13

Left: 214.074+/-463.518 χ^2/NDF : 32.8/28

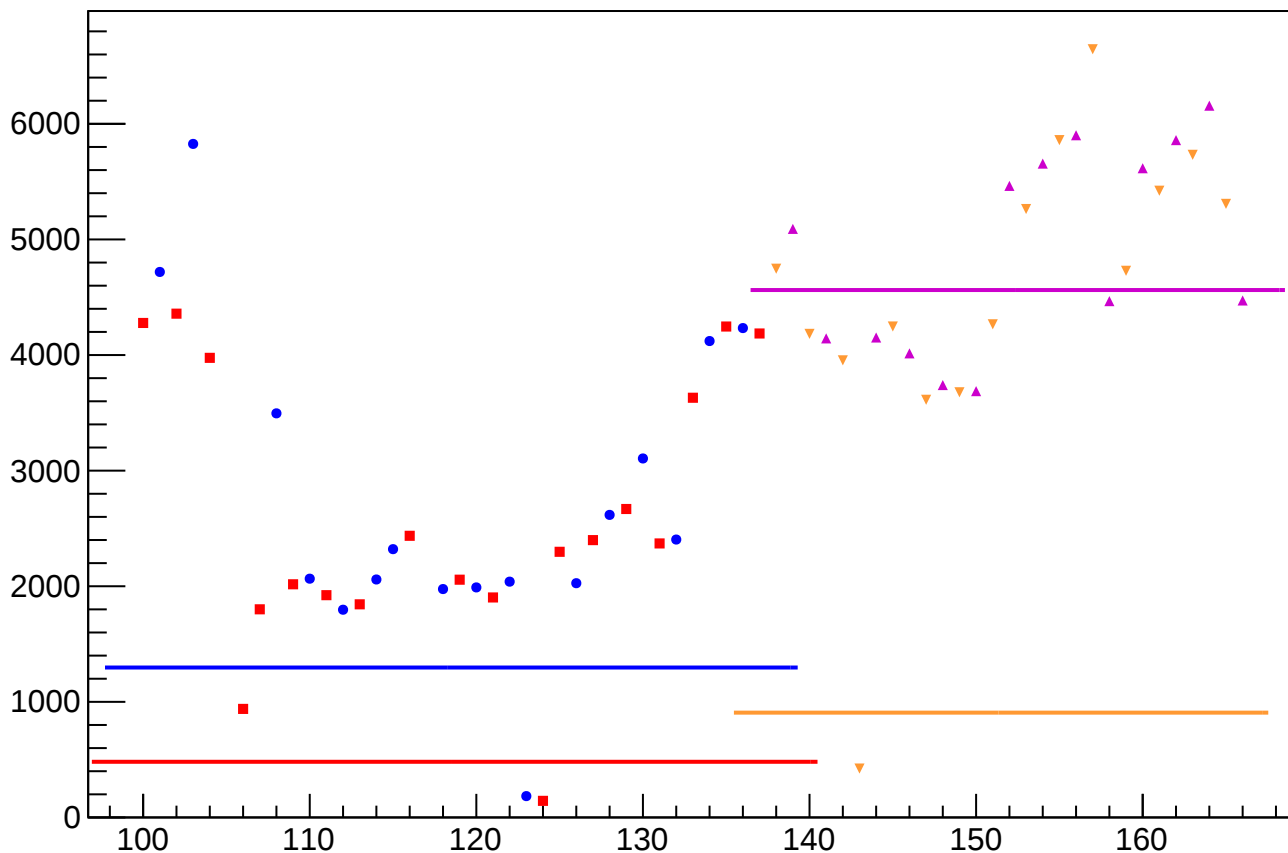
Right: 153.912+/-318.670 χ^2/NDF : 37.9/35

In: 387.130+/-630.690 χ^2/NDF : 27.2/30

Out: 128.361+/-288.823 χ^2/NDF : 43.4/33

All: 173.221+/-262.597 χ^2/NDF : 70.8/64

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1297.005 $\pm$ 0.499 χ^2 /NDF: 6509608.5/16

Left Out: 906.700 $\pm$ 0.347 χ^2 /NDF: 15270304.6/14

Right Out: 481.577 $\pm$ 0.253 χ^2 /NDF: 10144170.1/18

Left In: 4562.367 $\pm$ 0.995 χ^2 /NDF: 651585.9/13

Left: 1303.541 $\pm$ 0.328 χ^2 /NDF: 27960446.9/28

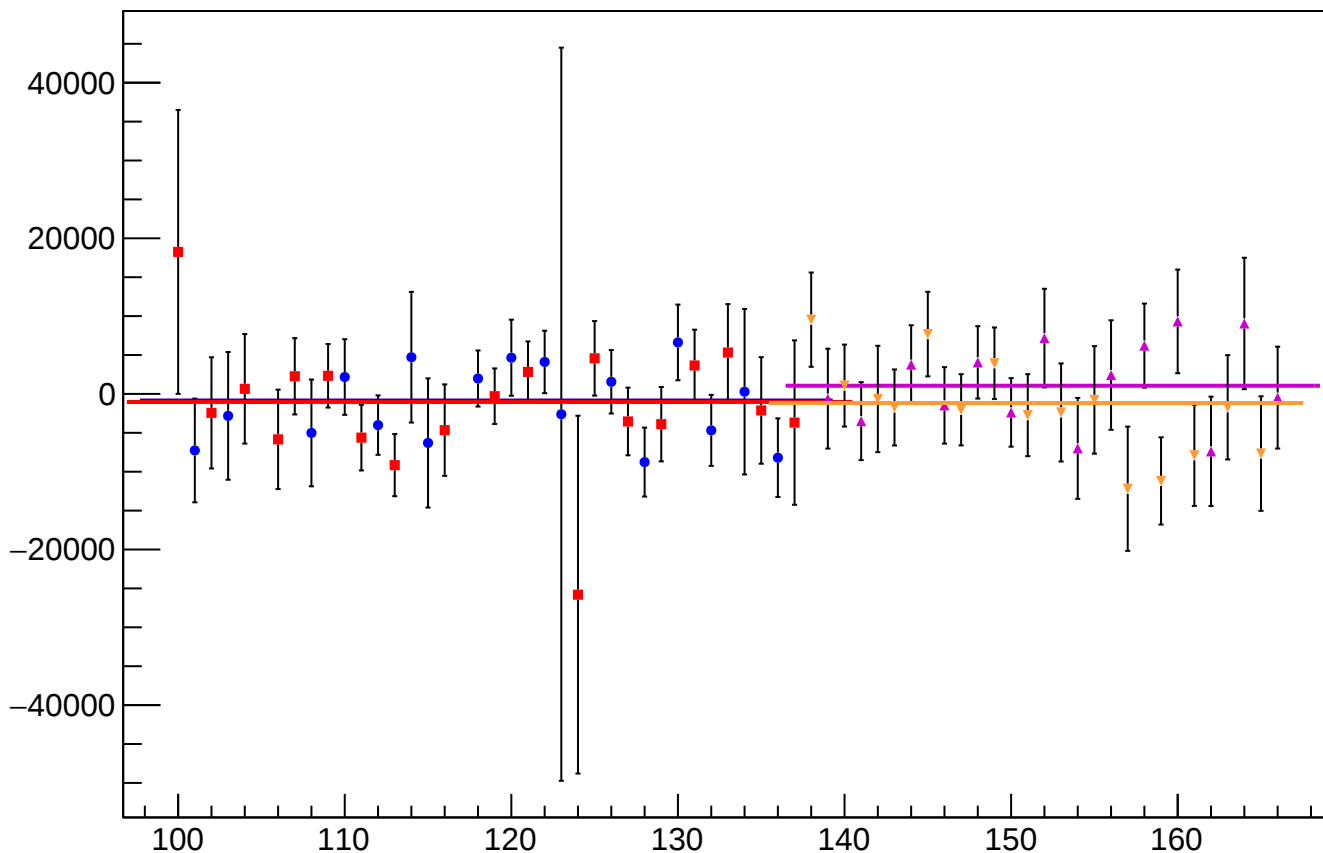
Right: 647.917 $\pm$ 0.225 χ^2 /NDF: 18780181.6/35

In: 1953.270 $\pm$ 0.446 χ^2 /NDF: 15770501.3/30

Out: 628.720 $\pm$ 0.204 χ^2 /NDF: 26395137.3/33

All: 858.344 $\pm$ 0.186 χ^2 /NDF: 49457717.5/64

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -849.372 $\pm$ 1261.026 χ^2 /NDF: 15.4/16

Left Out: -1171.160 $\pm$ 1491.713 χ^2 /NDF:14.3/14

Right Out: -1033.205 $\pm$ 1190.714 χ^2 /NDF: 15.0/18

Left In: 1050.286 $\pm$ 1533.229 χ^2 /NDF:9.8/13

Left: -90.919 $\pm$ 1069.177 χ^2 /NDF: 25.2/28

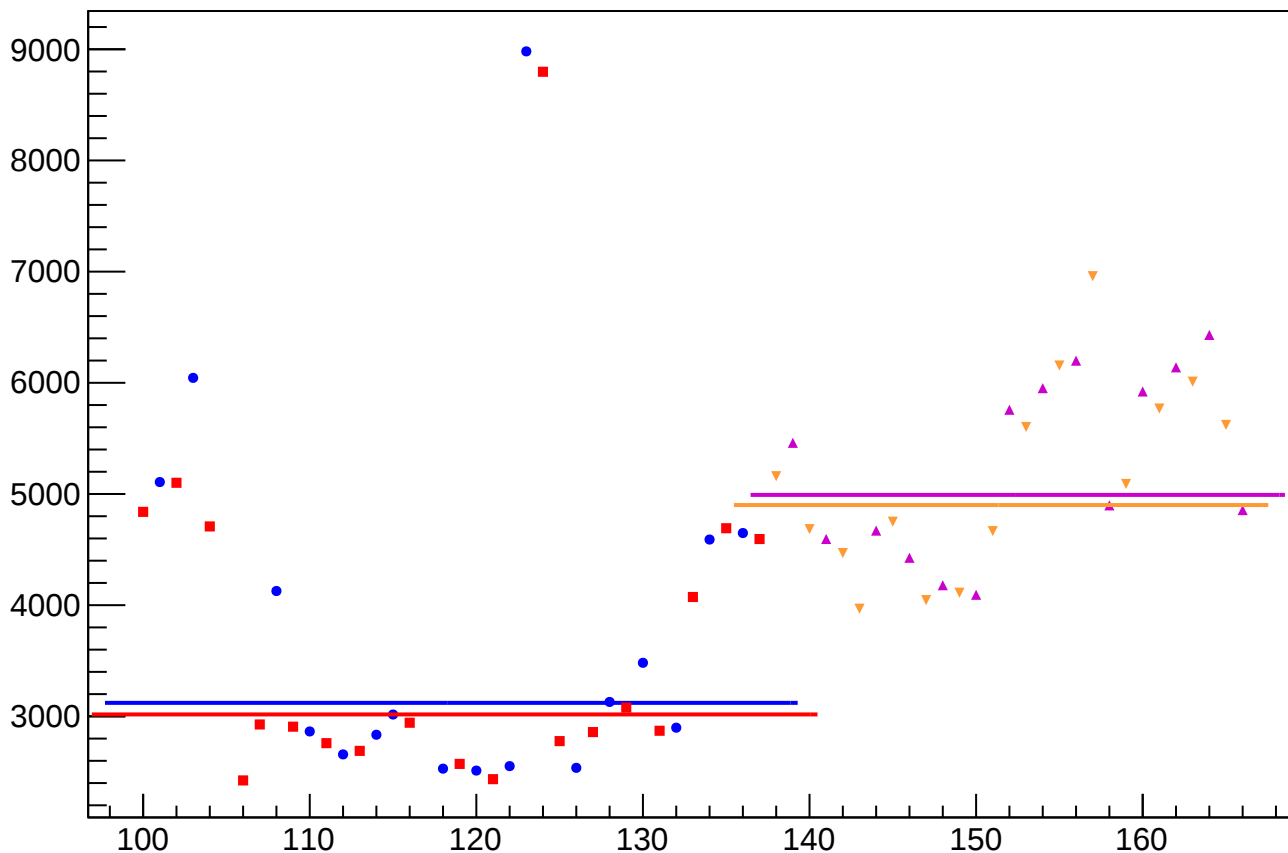
Right: -946.556 $\pm$ 865.752 χ^2 /NDF: 30.4/35

In: -82.859 $\pm$ 973.933 χ^2 /NDF:26.2/30

Out: -1086.895 $\pm$ 930.599 χ^2 /NDF:29.3/33

All: -607.710 $\pm$ 672.831 χ^2 /NDF: 56.1/64

asym_atl_dd_rms vs Slug, Sign Corrected



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: 4991.835+/-1.084 χ^2/NDF : 485428.0/13

Left: 4944.950+/-0.756 χ^2/NDF : 1046555.5/28

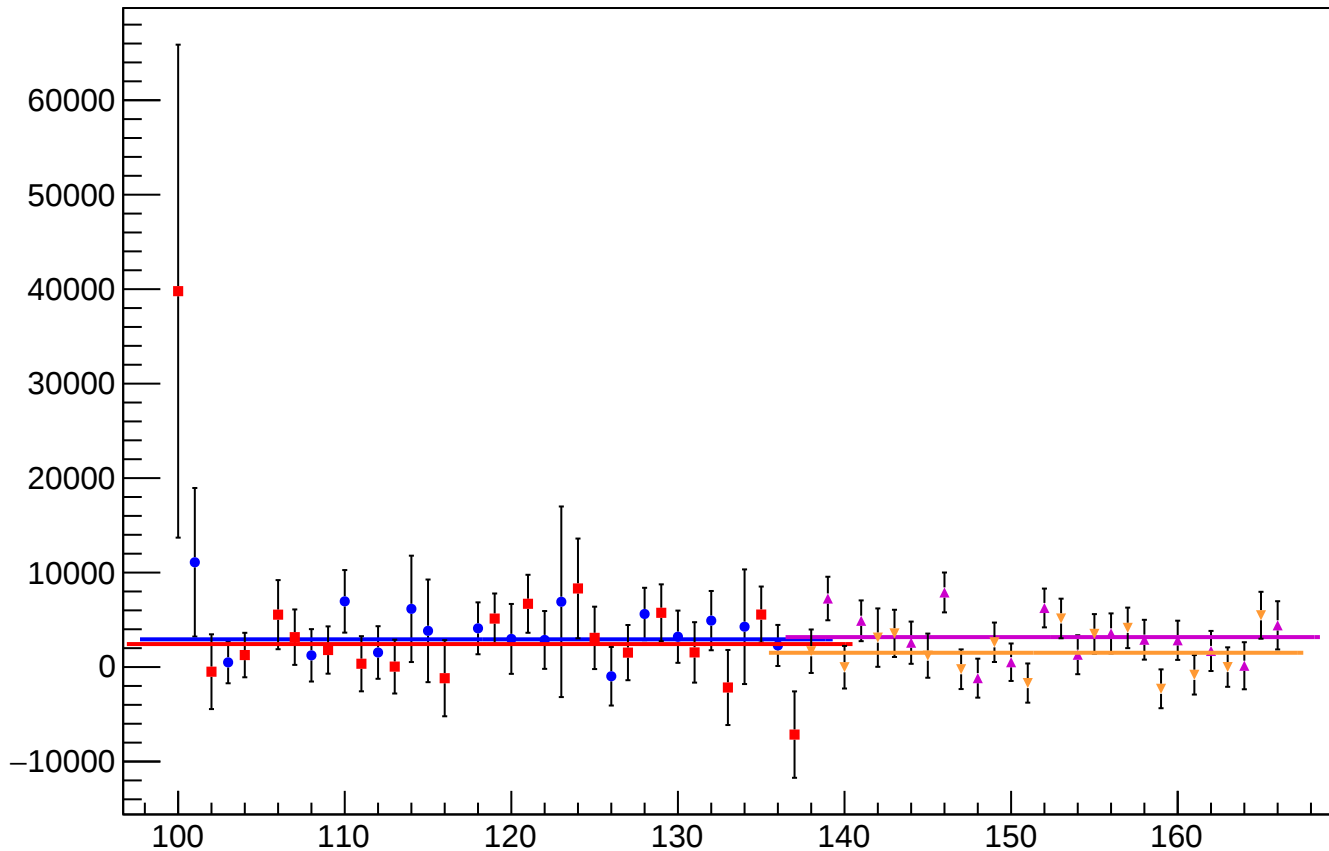
Right: 3065.680+/-0.608 χ^2/NDF : 1745010.6/35

In: 3876.127+/-0.689 χ^2/NDF : 3206573.2/30

Out: 3739.003+/-0.653 χ^2/NDF : 3315716.8/33

All: 3803.921+/-0.474 χ^2/NDF : 6543166.6/64

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1512.184+/-572.361 χ^2/NDF : 18.0/14

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

Left In: 3170.727+/-576.644 χ^2/NDF : 20.5/13

Left: 2335.274+/-406.226 χ^2/NDF : 42.6/28

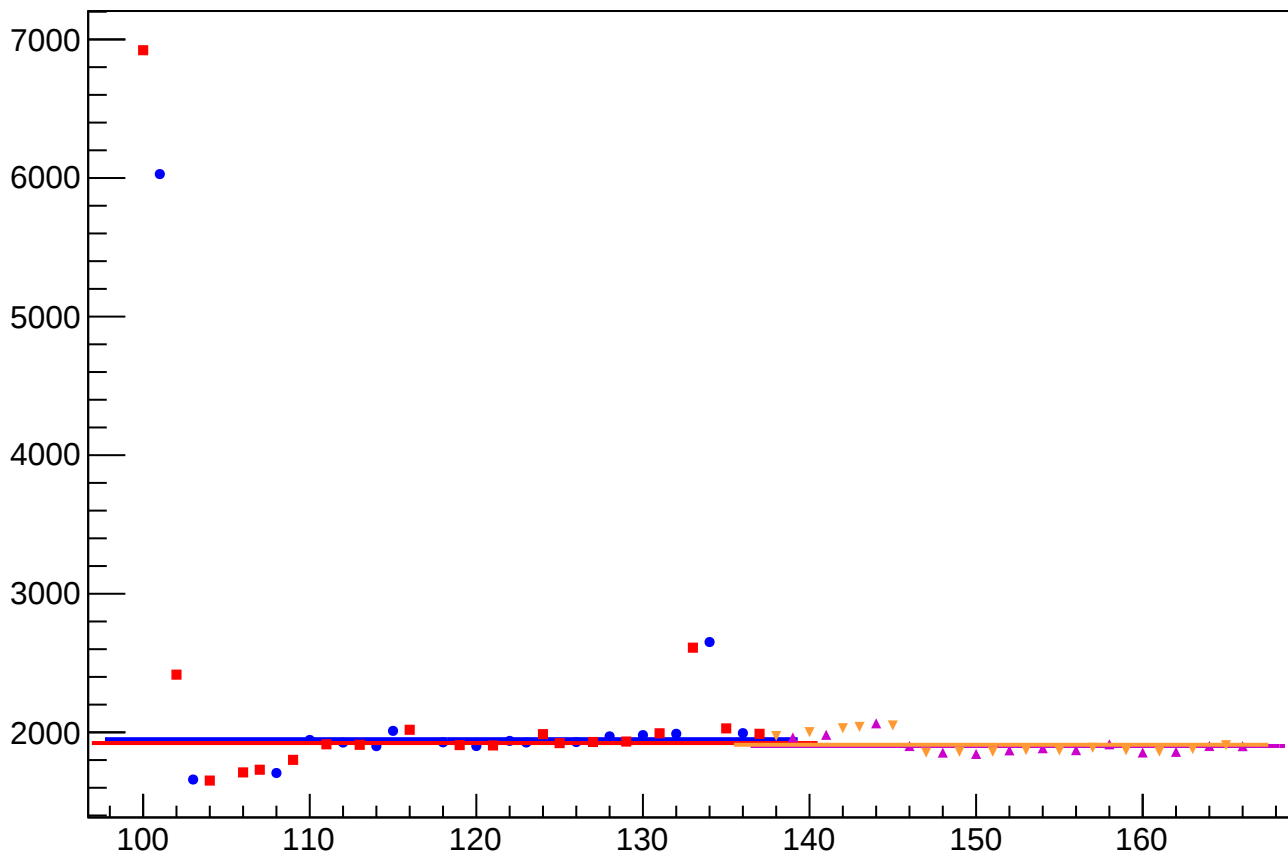
Right: 2672.699+/-535.482 χ^2/NDF : 26.5/35

In: 3087.073+/-462.709 χ^2/NDF : 28.7/30

Out: 1856.523+/-452.835 χ^2/NDF : 37.1/33

All: 2458.529+/-323.637 χ^2/NDF : 69.4/64

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1910.482+/-0.405 χ^2/NDF : 27974.9/14

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

Left In: 1901.590+/-0.408 χ^2/NDF : 20541.6/13

Left: 1906.069+/-0.287 χ^2/NDF : 48756.0/28

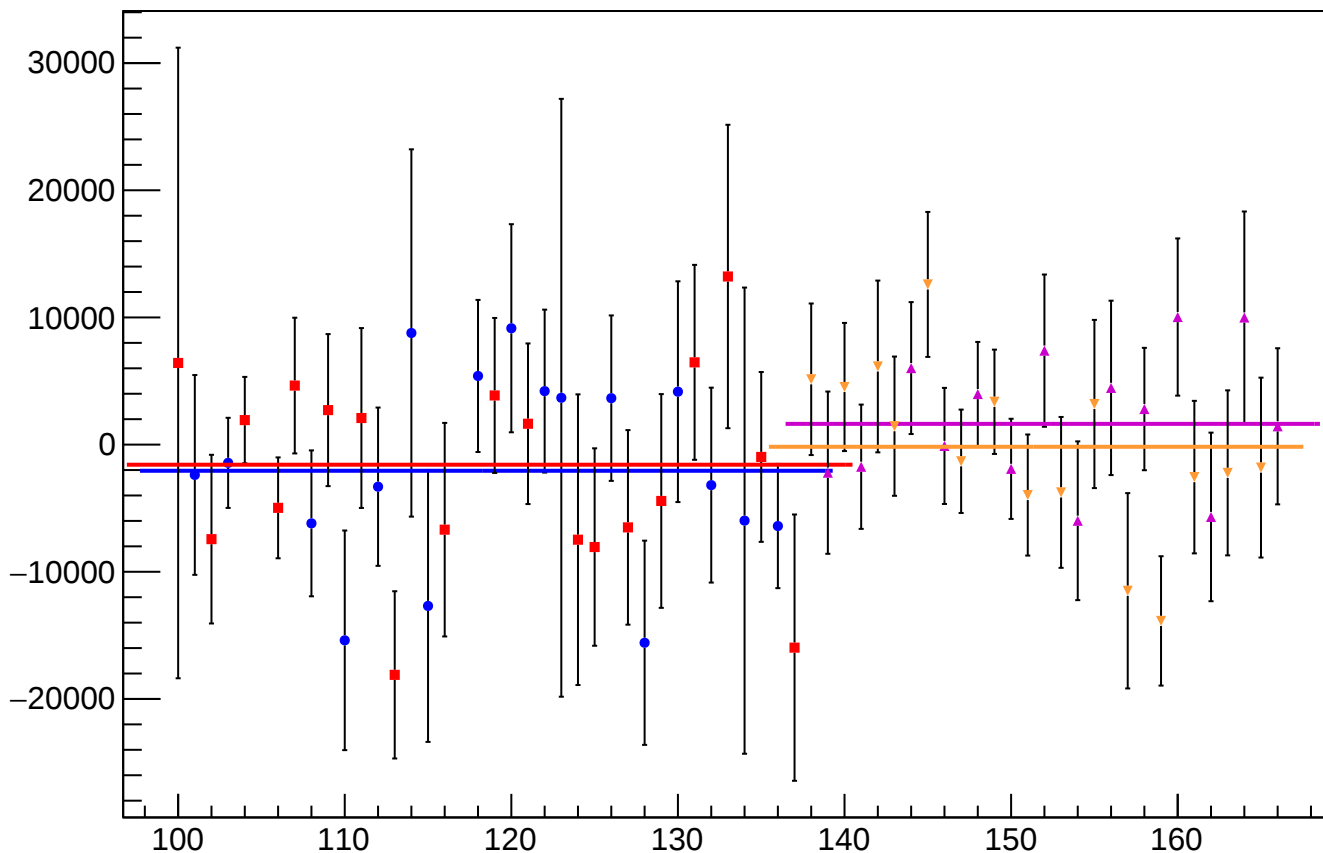
Right: 1936.009+/-0.378 χ^2/NDF : 836086.0/35

In: 1919.049+/-0.327 χ^2/NDF : 643021.9/30

Out: 1915.085+/-0.320 χ^2/NDF : 245719.7/33

All: 1917.022+/-0.229 χ^2/NDF : 888816.6/64

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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: 1631.546 $\pm$ 1438.191 χ^2 /NDF:9.5/13

Left: 718.661 $\pm$ 1010.353 χ^2 /NDF: 29.8/28

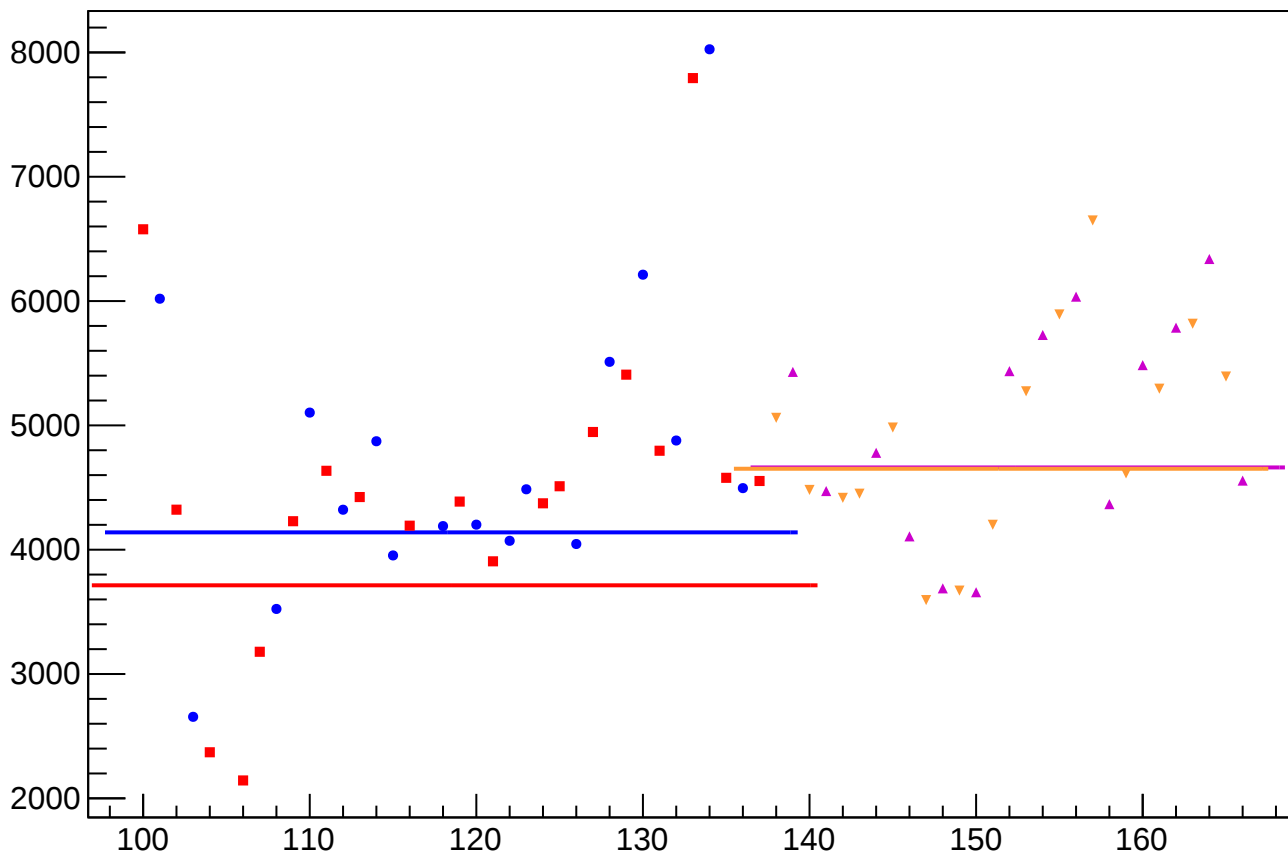
Right: -1791.026 $\pm$ 1103.932 χ^2 /NDF: 32.6/35

In: 51.228 $\pm$ 1087.282 χ^2 /NDF:26.3/30

Out: -847.740 $\pm$ 1023.672 χ^2 /NDF:38.5/33

All: -425.320 $\pm$ 745.319 χ^2 /NDF: 65.2/64

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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: 4661.661+/-1.017 χ^2/NDF : 659249.5/13

Left: 4656.360+/-0.714 χ^2/NDF : 1287838.3/28

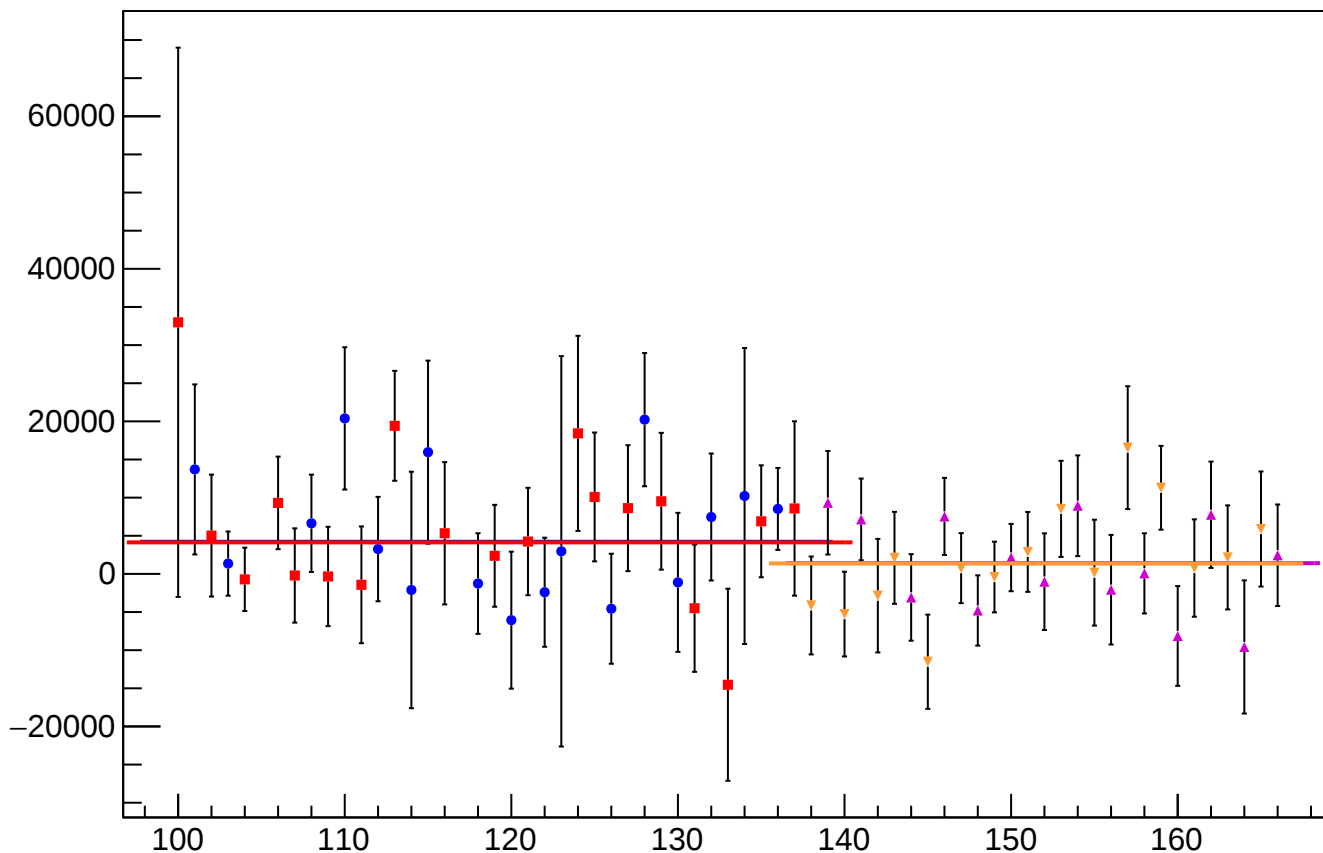
Right: 3901.622+/-0.781 χ^2/NDF : 2162777.5/35

In: 4437.894+/-0.769 χ^2/NDF : 1585802.3/30

Out: 4201.029+/-0.724 χ^2/NDF : 2323212.9/33

All: 4312.330+/-0.527 χ^2/NDF : 3959331.4/64

asym_atr_avg_mean vs Slug, Sign Corrected



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: 1412.598+/-1564.744 χ^2/NDF : 12.8/13

Left: 1392.345+/-1100.643 χ^2/NDF : 28.4/28

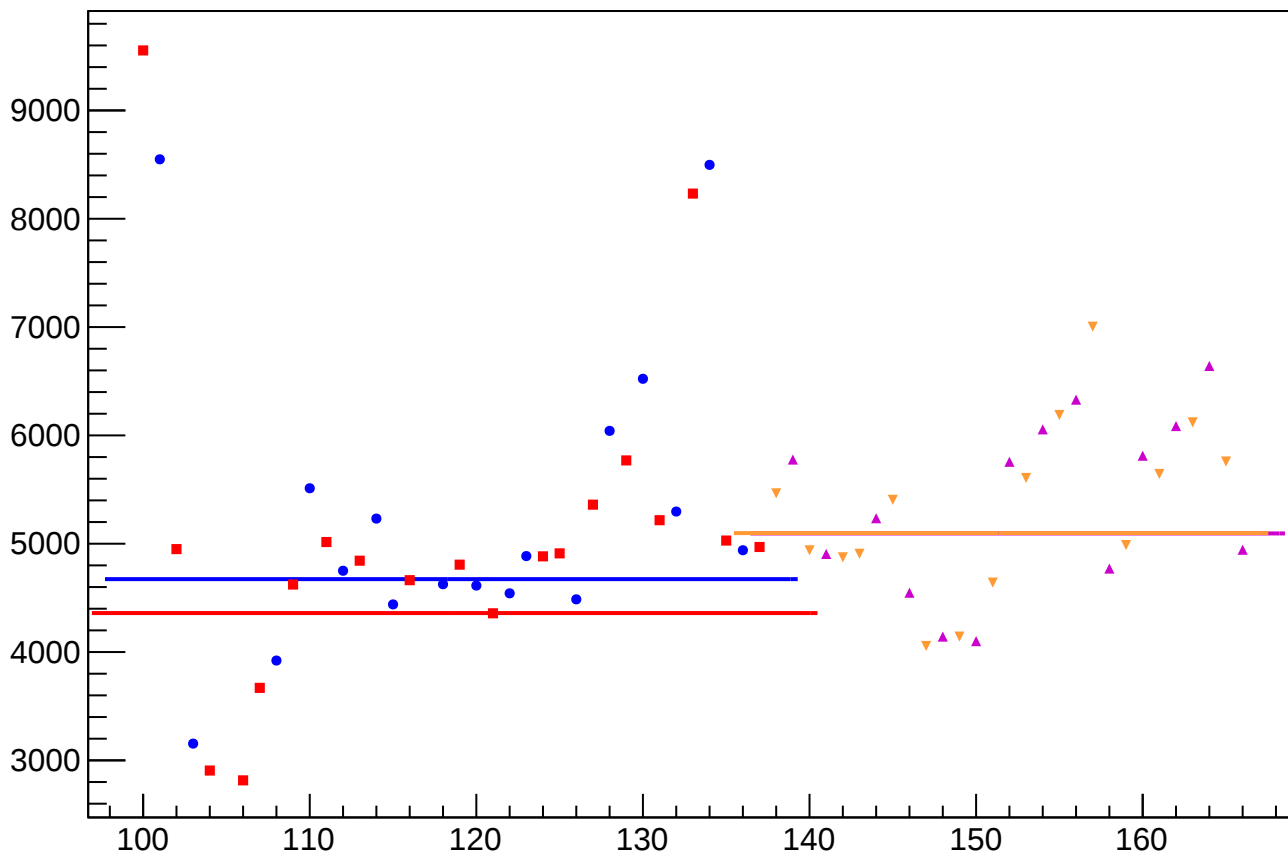
Right: 4169.584+/-1268.468 χ^2/NDF : 29.2/35

In: 2564.448+/-1200.388 χ^2/NDF : 28.5/30

Out: 2604.347+/-1152.409 χ^2/NDF : 31.8/33

All: 2585.211+/-831.321 χ^2/NDF : 60.3/64

asym_atr_avg_rms vs Slug, Sign Corrected



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: 5094.869 $\pm$ 1.106 χ^2 /NDF: 493604.0/13

Left: 5096.525 $\pm$ 0.778 χ^2 /NDF: 964032.5/28

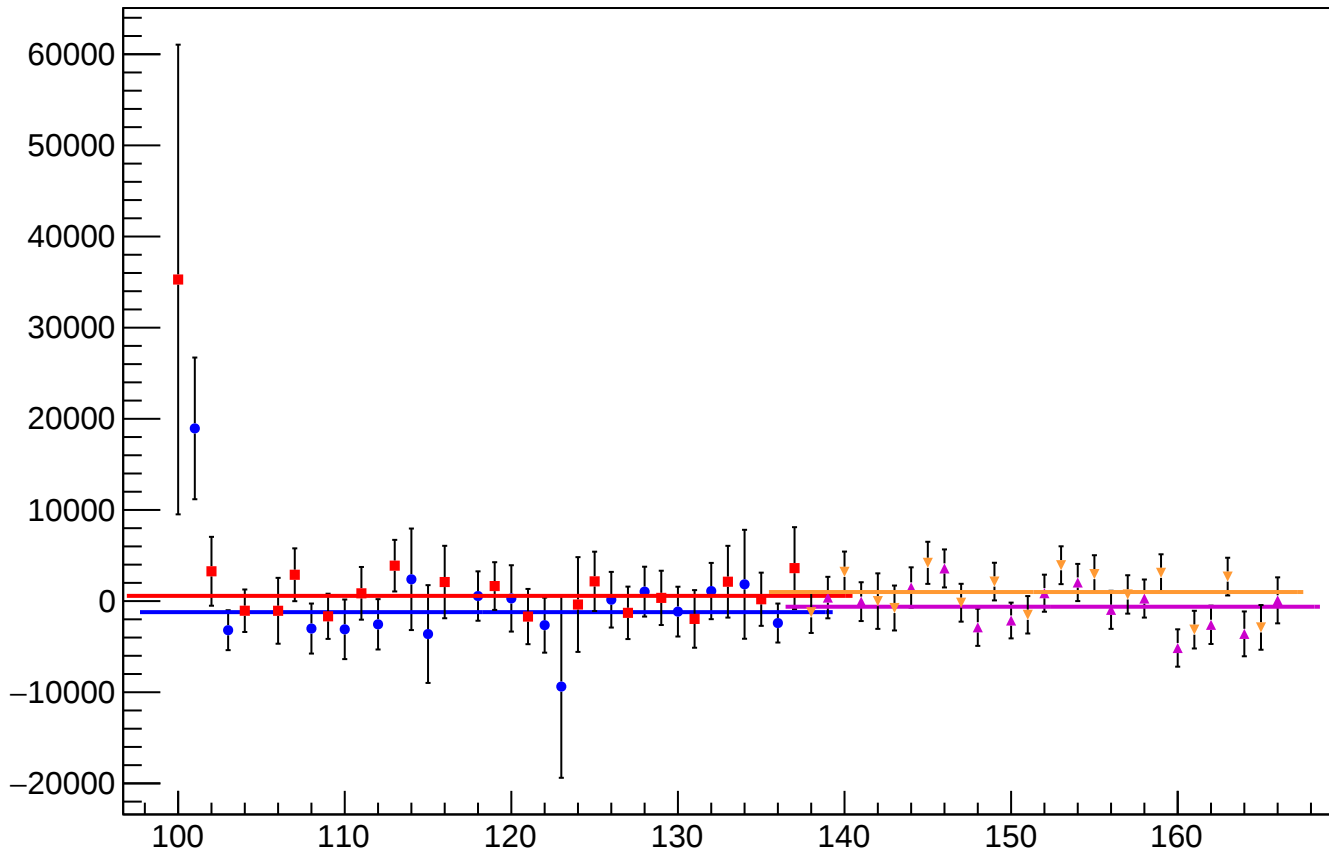
Right: 4502.849 $\pm$ 0.894 χ^2 /NDF: 1639958.3/35

In: 4921.295 $\pm$ 0.849 χ^2 /NDF: 1330733.3/30

Out: 4766.647 $\pm$ 0.813 χ^2 /NDF: 1506764.5/33

All: 4840.619 $\pm$ 0.587 χ^2 /NDF: 2854814.8/64

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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: -617.896+/-570.236 χ^2/NDF : 16.8/13

Left: 195.301+/-401.576 χ^2/NDF : 38.6/28

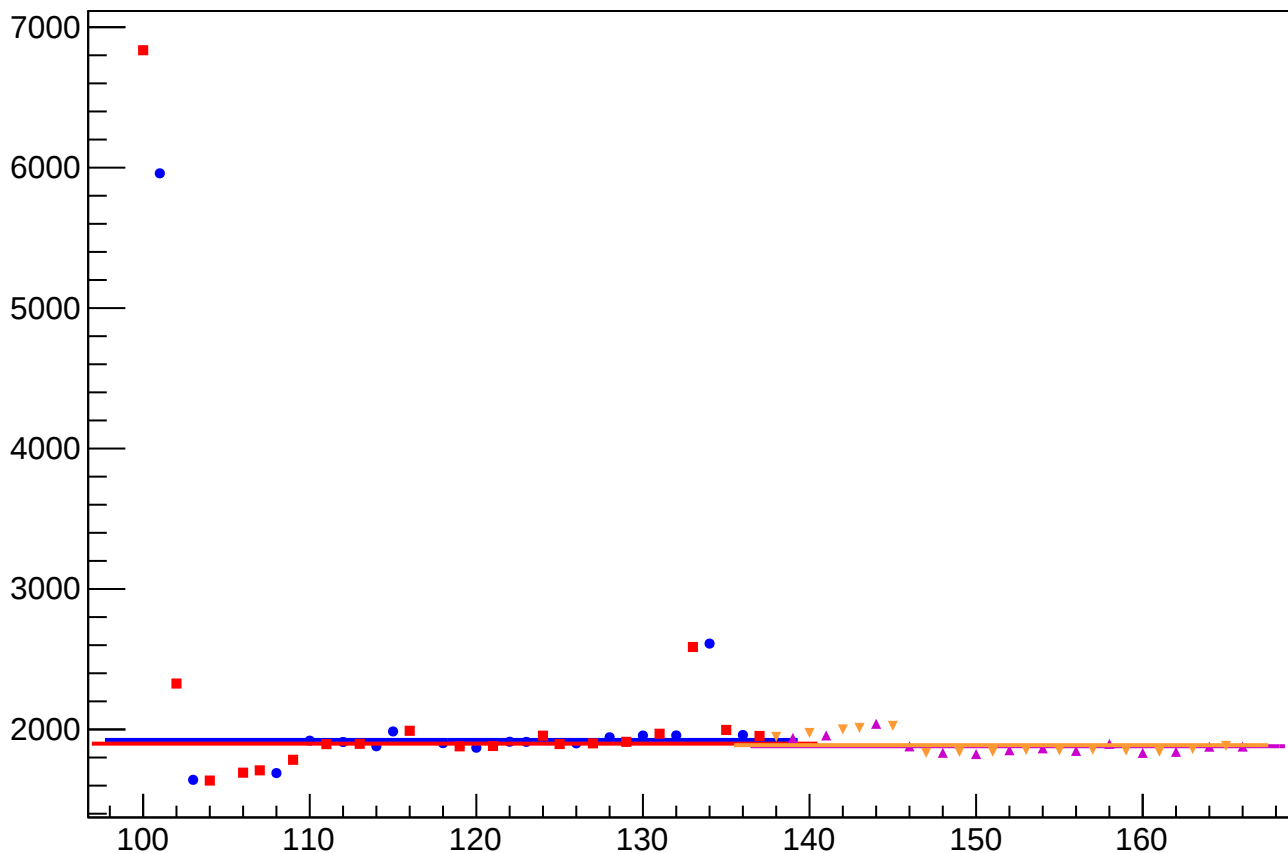
Right: -277.573+/-528.478 χ^2/NDF : 24.2/35

In: -829.695+/-457.258 χ^2/NDF : 29.9/30

Out: 837.287+/-447.267 χ^2/NDF : 26.7/33

All: 22.206+/-319.739 χ^2/NDF : 63.3/64

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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: 1880.487+/-0.403 χ^2/NDF : 19981.2/13

Left: 1884.310+/-0.284 χ^2/NDF : 46627.3/28

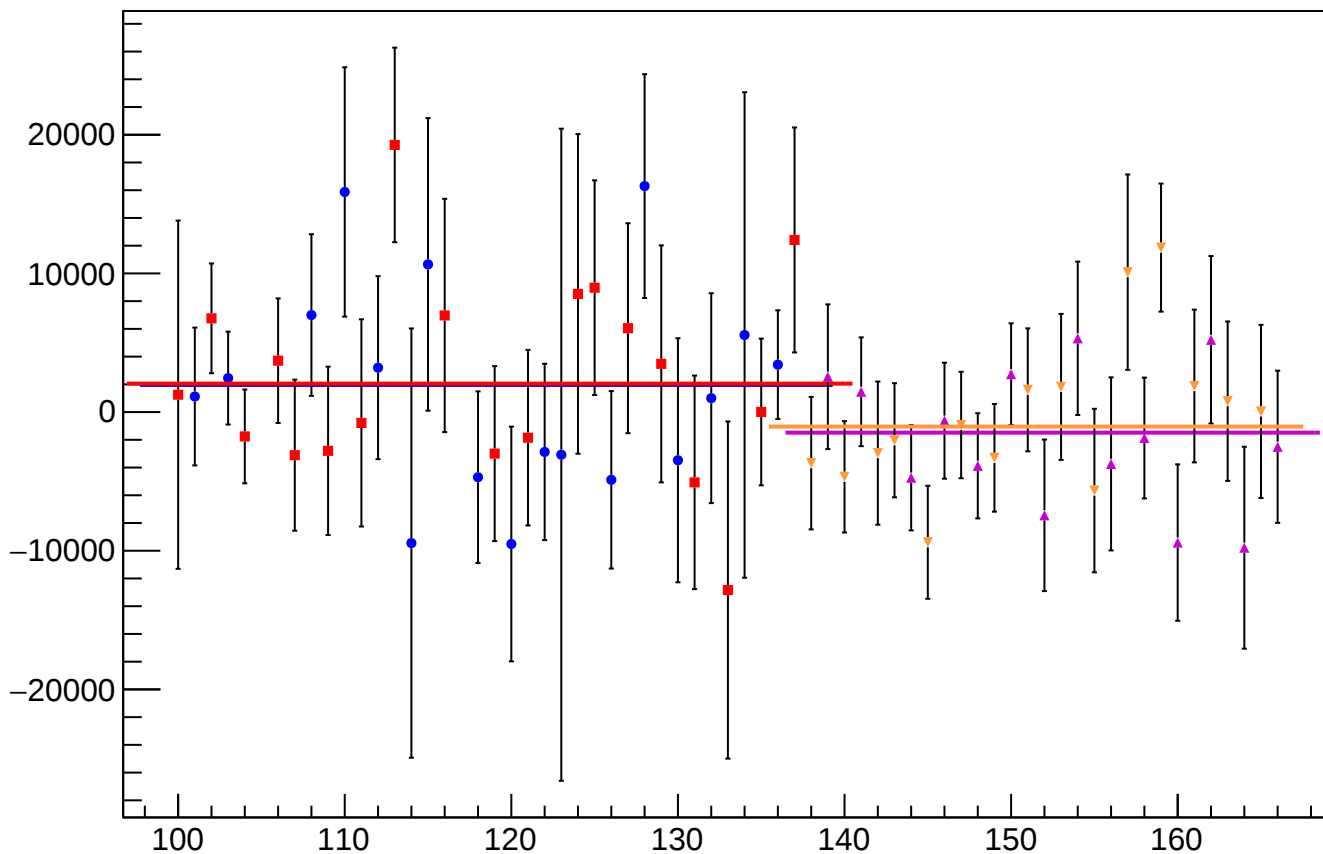
Right: 1911.445+/-0.373 χ^2/NDF : 827992.7/35

In: 1896.493+/-0.323 χ^2/NDF : 640258.3/30

Out: 1892.123+/-0.316 χ^2/NDF : 237616.0/33

All: 1894.257+/-0.226 χ^2/NDF : 877967.7/64

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1044.124+/-1223.189 χ^2/NDF : 17.8/14

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

Left In: -1482.008+/-1262.339 χ^2/NDF : 11.0/13

Left: -1256.170+/-878.440 χ^2/NDF : 28.9/28

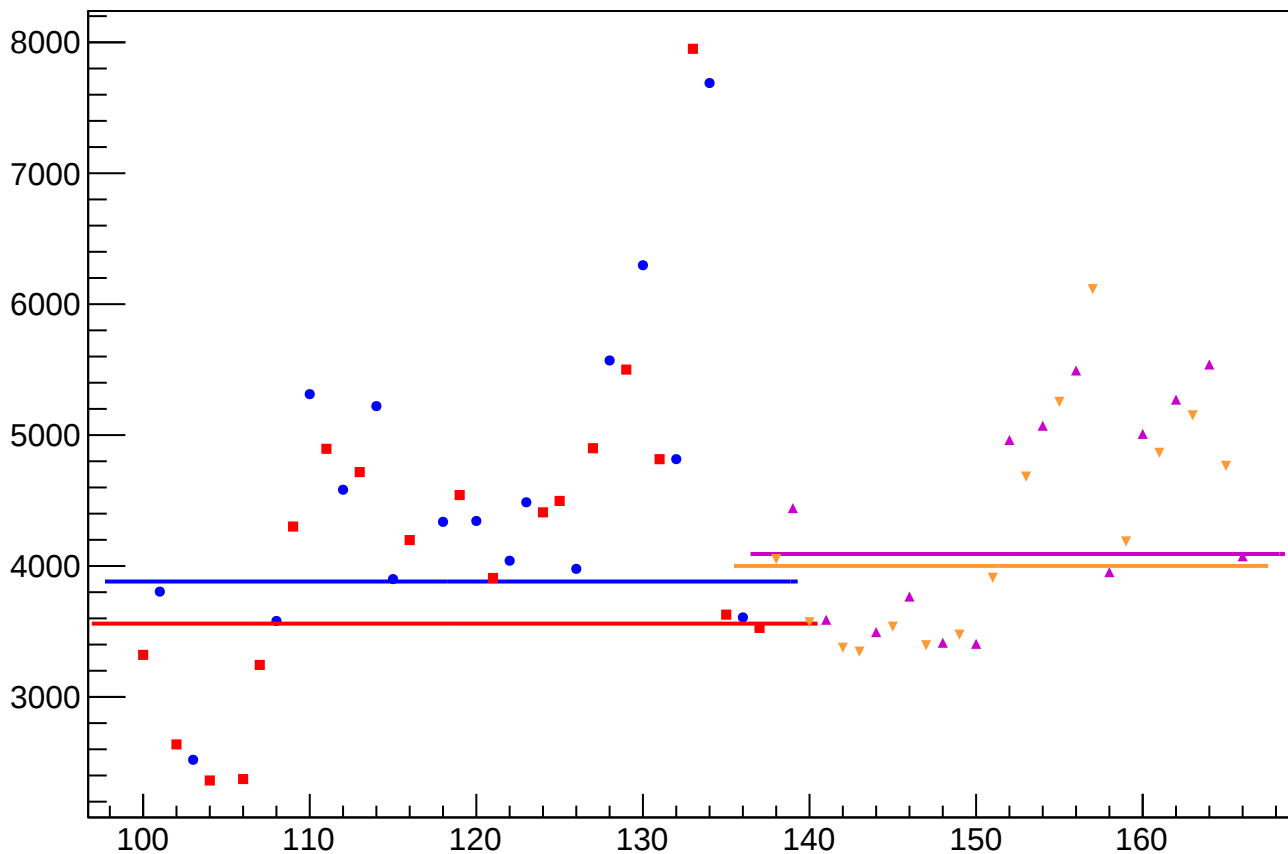
Right: 2010.461+/-1046.568 χ^2/NDF : 30.4/35

In: -117.060+/-980.518 χ^2/NDF : 26.9/30

Out: 281.833+/-924.987 χ^2/NDF : 38.0/33

All: 94.001+/-672.840 χ^2/NDF : 65.0/64

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.577 $\pm$ 1.101 χ^2 /NDF: 817466.6/16

Left Out: 4000.773 $\pm$ 0.865 χ^2 /NDF: 682753.9/14

Right Out: 3560.054 $\pm$ 1.000 χ^2 /NDF: 1241523.0/18

Left In: 4091.907 $\pm$ 0.893 χ^2 /NDF: 661741.1/13

Left: 4044.905 $\pm$ 0.621 χ^2 /NDF: 1349871.1/28

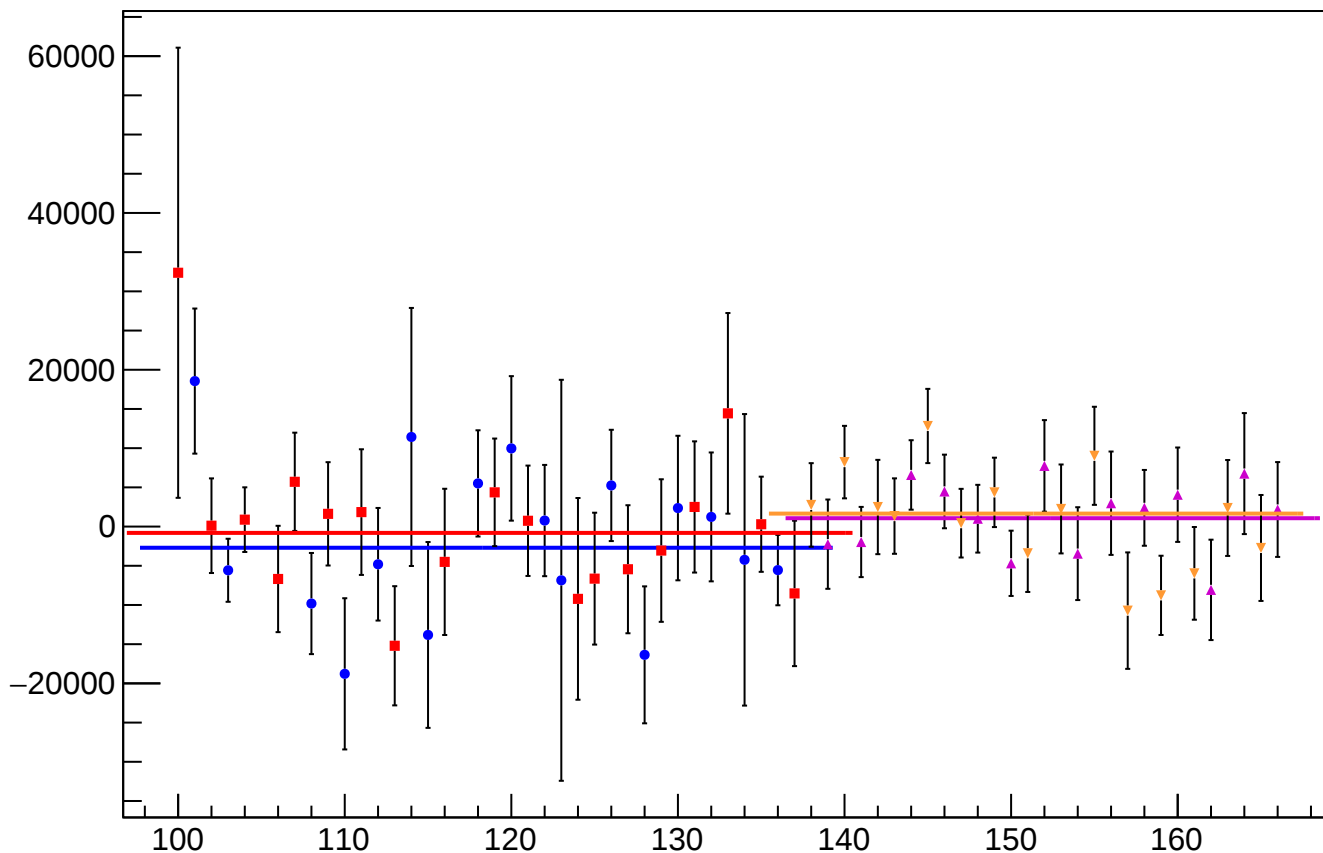
Right: 3705.352 $\pm$ 0.740 χ^2 /NDF: 2105744.2/35

In: 4008.477 $\pm$ 0.693 χ^2 /NDF: 1501231.9/30

Out: 3812.080 $\pm$ 0.654 χ^2 /NDF: 2035440.0/33

All: 3904.560 $\pm$ 0.476 χ^2 /NDF: 3579127.7/64

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2700.702 ± 1809.055 $\chi^2/\text{NDF}: 19.8/16$

Left Out: 1654.472 ± 1369.810 $\chi^2/\text{NDF}: 19.7/14$

Right Out: -805.951 ± 1690.353 $\chi^2/\text{NDF}: 11.6/18$

Left In: 1066.439 ± 1402.827 $\chi^2/\text{NDF}: 9.7/13$

Left: 1367.457 ± 980.067 $\chi^2/\text{NDF}: 29.5/28$

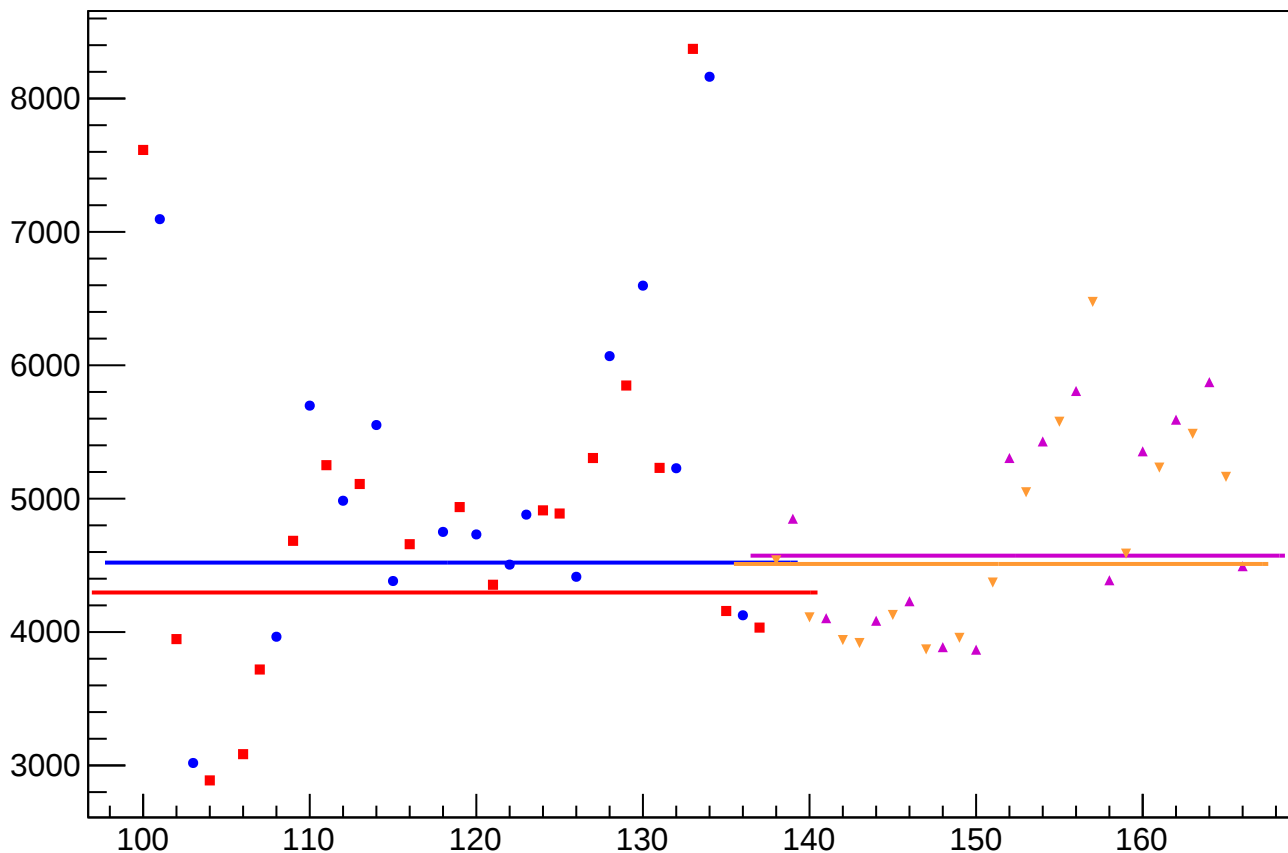
Right: -1689.130 ± 1235.094 $\chi^2/\text{NDF}: 31.9/35$

In: -348.177 ± 1108.576 $\chi^2/\text{NDF}: 32.2/30$

Out: 679.186 ± 1064.238 $\chi^2/\text{NDF}: 32.5/33$

All: 186.460 ± 767.726 $\chi^2/\text{NDF}: 65.1/64$

asym_atr_dd_rms vs Slug, Sign Corrected



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: 4572.687+/-0.992 χ^2/NDF : 457371.6/13

Left: 4540.863+/-0.693 χ^2/NDF : 927454.9/28

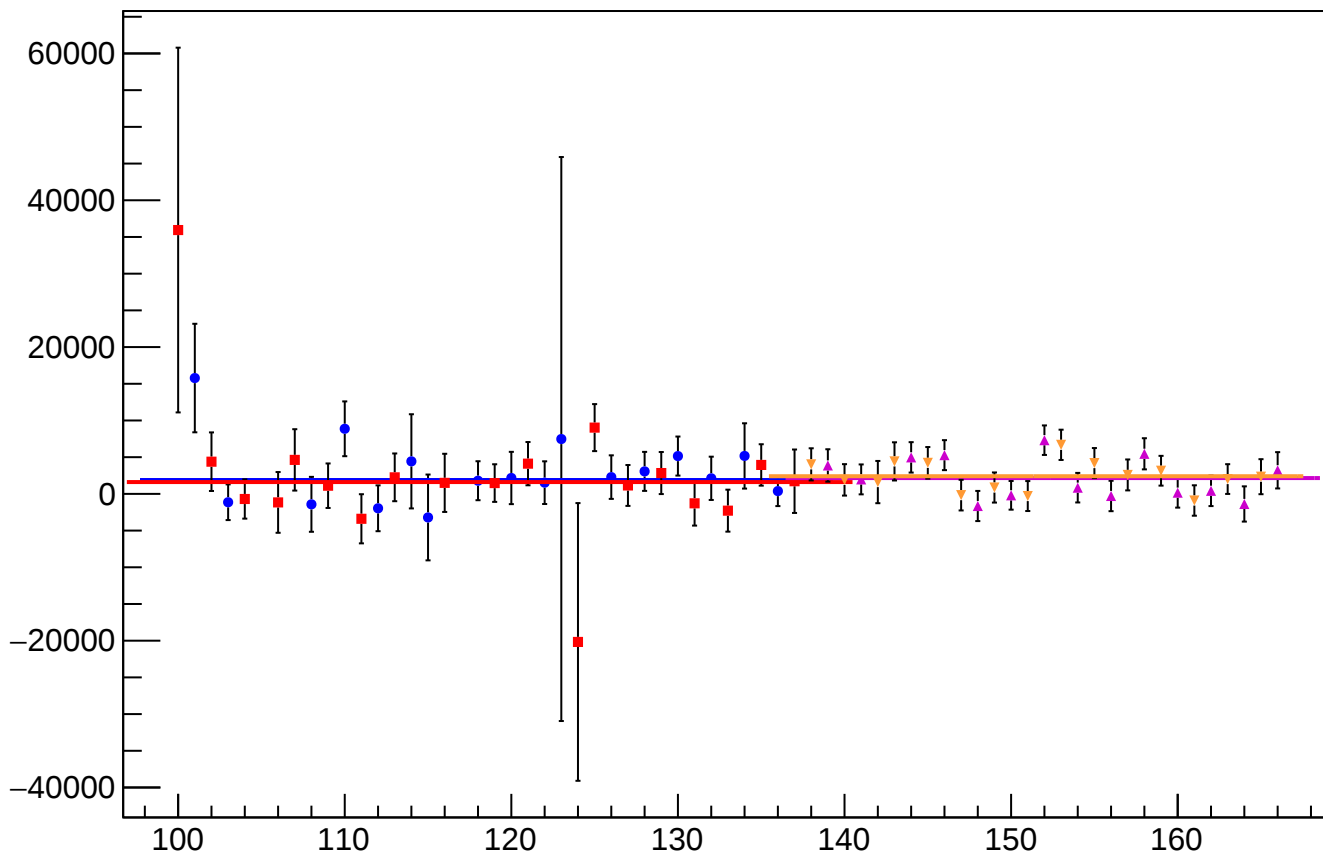
Right: 4400.391+/-0.871 χ^2/NDF : 1559151.4/35

In: 4553.159+/-0.784 χ^2/NDF : 1229291.0/30

Out: 4425.125+/-0.751 χ^2/NDF : 1259335.9/33

All: 4486.389+/-0.542 χ^2/NDF : 2502539.4/64

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2405.648+/-557.879 χ^2/NDF :13.6/14

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

Left In: 2153.980+/-561.155 χ^2/NDF :24.5/13

Left: 2280.551+/-395.633 χ^2/NDF : 38.2/28

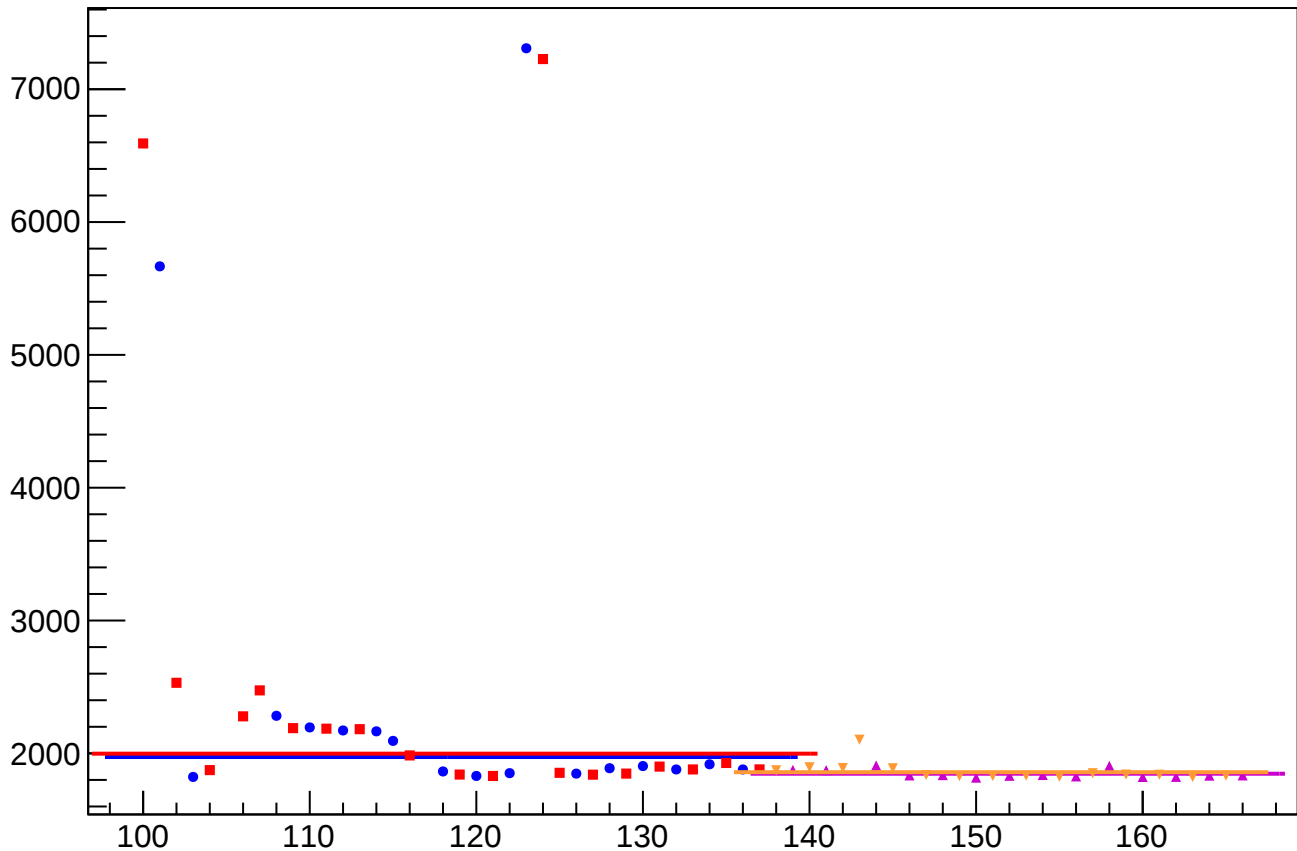
Right: 1745.891+/-547.780 χ^2/NDF : 32.2/35

In: 2063.822+/-456.278 χ^2/NDF :39.2/30

Out: 2129.921+/-450.924 χ^2/NDF :31.8/33

All: 2097.261+/-320.728 χ^2/NDF : 71.1/64

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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: 1846.686+/-0.397 χ^2/NDF : 5631.8/13

Left: 1852.481+/-0.280 χ^2/NDF : 28229.7/28

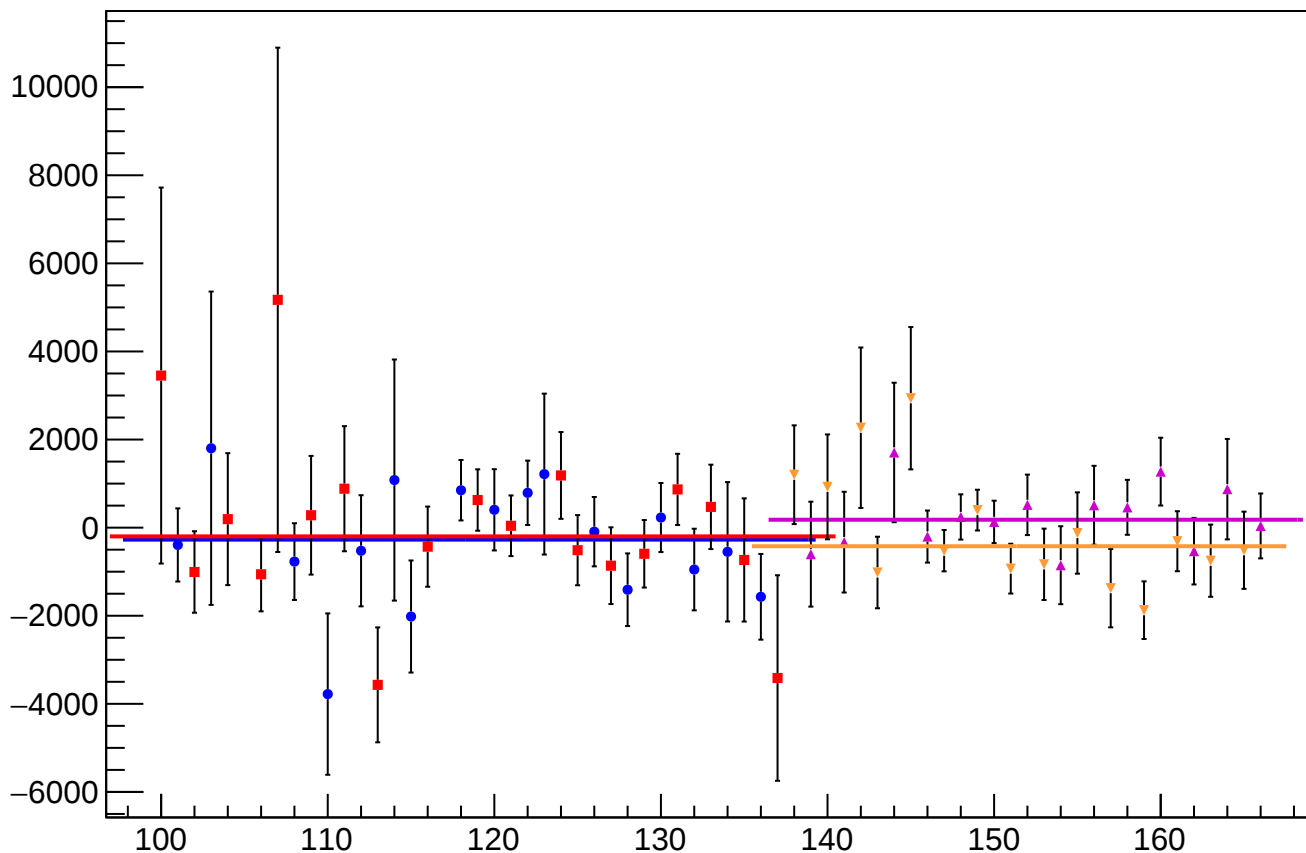
Right: 1985.358+/-0.387 χ^2/NDF : 957496.6/35

In: 1889.314+/-0.323 χ^2/NDF : 640560.4/30

Out: 1906.549+/-0.319 χ^2/NDF : 421062.6/33

All: 1898.033+/-0.227 χ^2/NDF : 1063066.6/64

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -271.773 ± 240.214 $\chi^2/\text{NDF}: 17.2/16$

Left Out: -422.058 ± 191.446 $\chi^2/\text{NDF}: 21.0/14$

Right Out: -198.424 ± 229.035 $\chi^2/\text{NDF}: 19.7/18$

Left In: 179.698 ± 195.715 $\chi^2/\text{NDF}: 7.3/13$

Left: -127.814 ± 136.857 $\chi^2/\text{NDF}: 33.1/28$

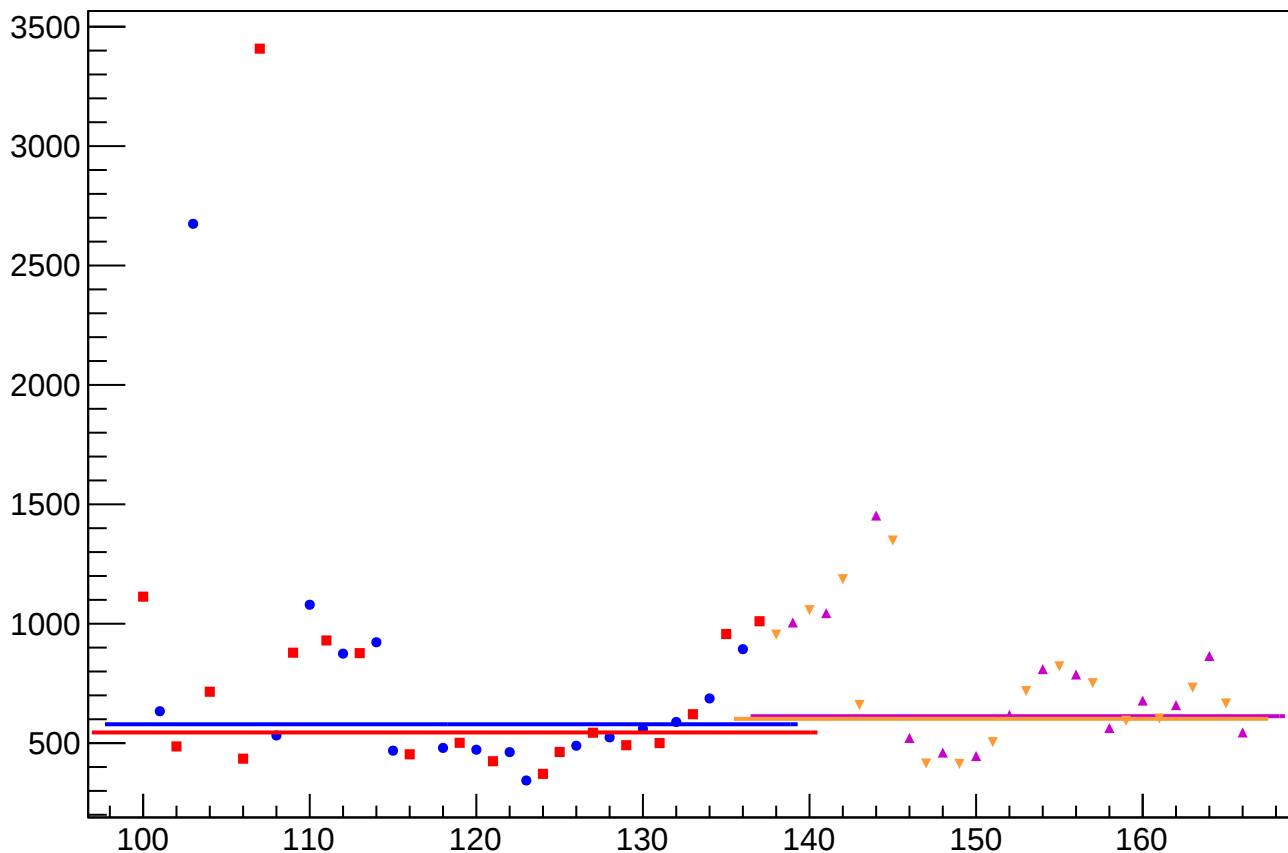
Right: -233.352 ± 165.764 $\chi^2/\text{NDF}: 37.0/35$

In: -0.428 ± 151.730 $\chi^2/\text{NDF}: 26.6/30$

Out: -330.074 ± 146.889 $\chi^2/\text{NDF}: 41.3/33$

All: -170.594 ± 105.536 $\chi^2/\text{NDF}: 70.4/64$

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 579.010 $\pm$ 0.170 χ^2 /NDF: 1422148.6/16

Left Out: 601.746 $\pm$ 0.135 χ^2 /NDF: 2116332.1/14

Right Out: 544.674 $\pm$ 0.162 χ^2 /NDF: 1457799.9/18

Left In: 612.802 $\pm$ 0.138 χ^2 /NDF: 1854078.9/13

Left: 607.152 $\pm$ 0.097 χ^2 /NDF: 3973673.0/28

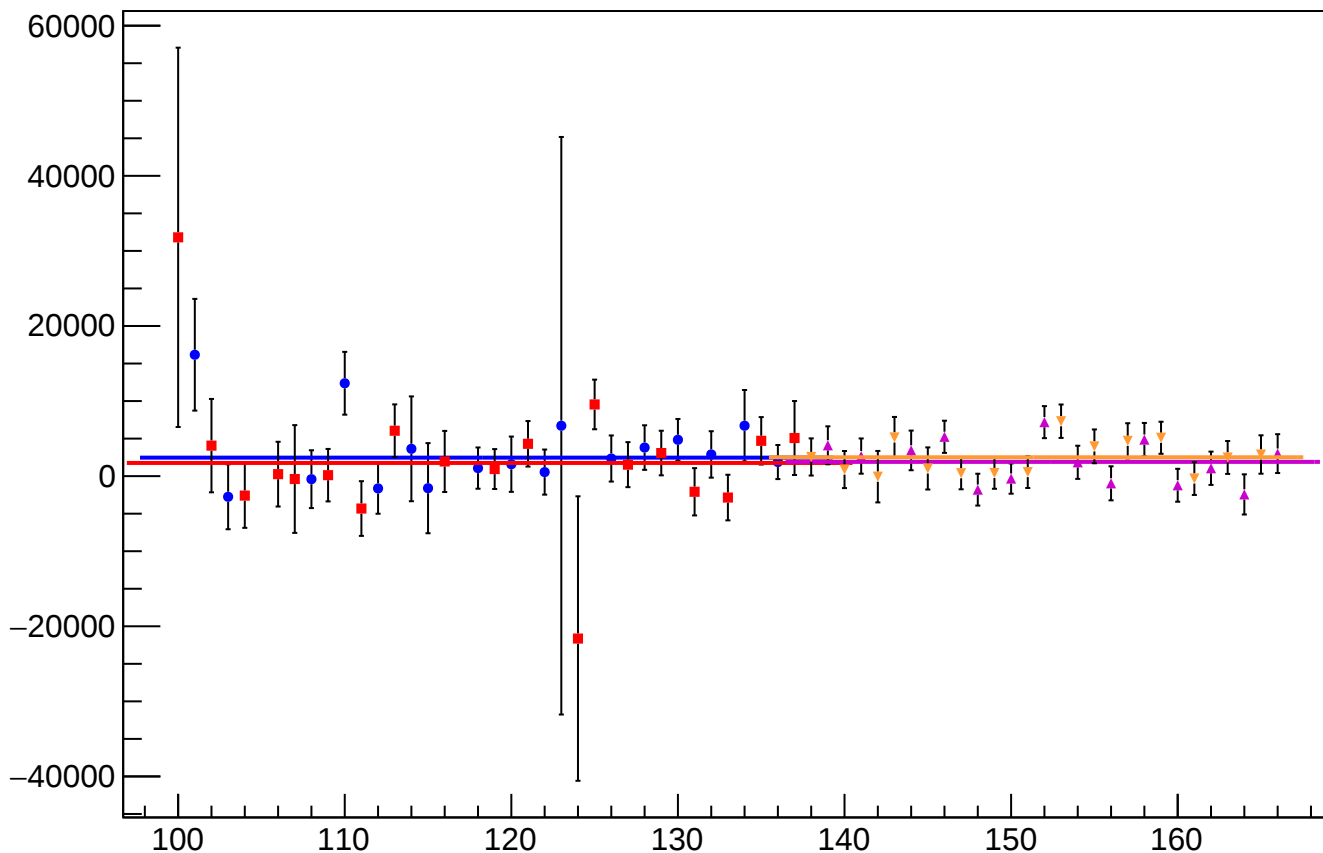
Right: 561.024 $\pm$ 0.117 χ^2 /NDF: 2901353.8/35

In: 599.320 $\pm$ 0.107 χ^2 /NDF: 3300015.5/30

Out: 578.271 $\pm$ 0.104 χ^2 /NDF: 3647238.7/33

All: 588.455 $\pm$ 0.075 χ^2 /NDF: 6967123.2/64

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076+/-863.197 χ^2/NDF : 15.5/16

Left Out: 2512.996+/-607.458 χ^2/NDF : 14.2/14

Right Out: 1756.788+/-853.292 χ^2/NDF : 20.5/18

Left In: 1898.434+/-609.563 χ^2/NDF : 22.4/13

Left: 2206.778+/-430.280 χ^2/NDF : 37.1/28

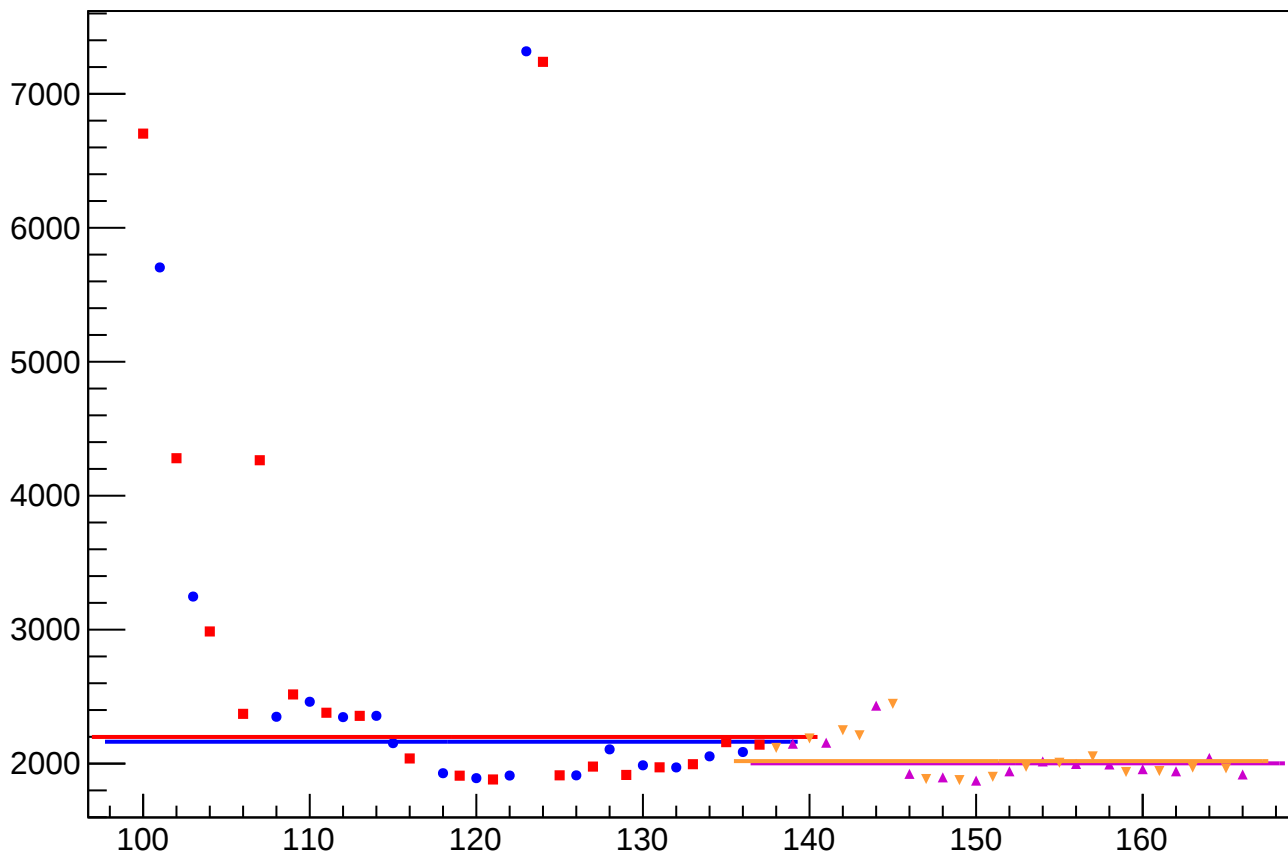
Right: 2106.351+/-606.840 χ^2/NDF : 36.4/35

In: 2086.648+/-497.926 χ^2/NDF : 38.2/30

Out: 2258.652+/-494.867 χ^2/NDF : 35.2/33

All: 2173.180+/-351.000 χ^2/NDF : 73.5/64

asym_at1_avg_rms vs Slug, Sign Corrected



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: 2002.024 $\pm$ 0.431 χ^2 /NDF: 90708.0/13

Left: 2010.384 $\pm$ 0.304 χ^2 /NDF: 200689.1/28

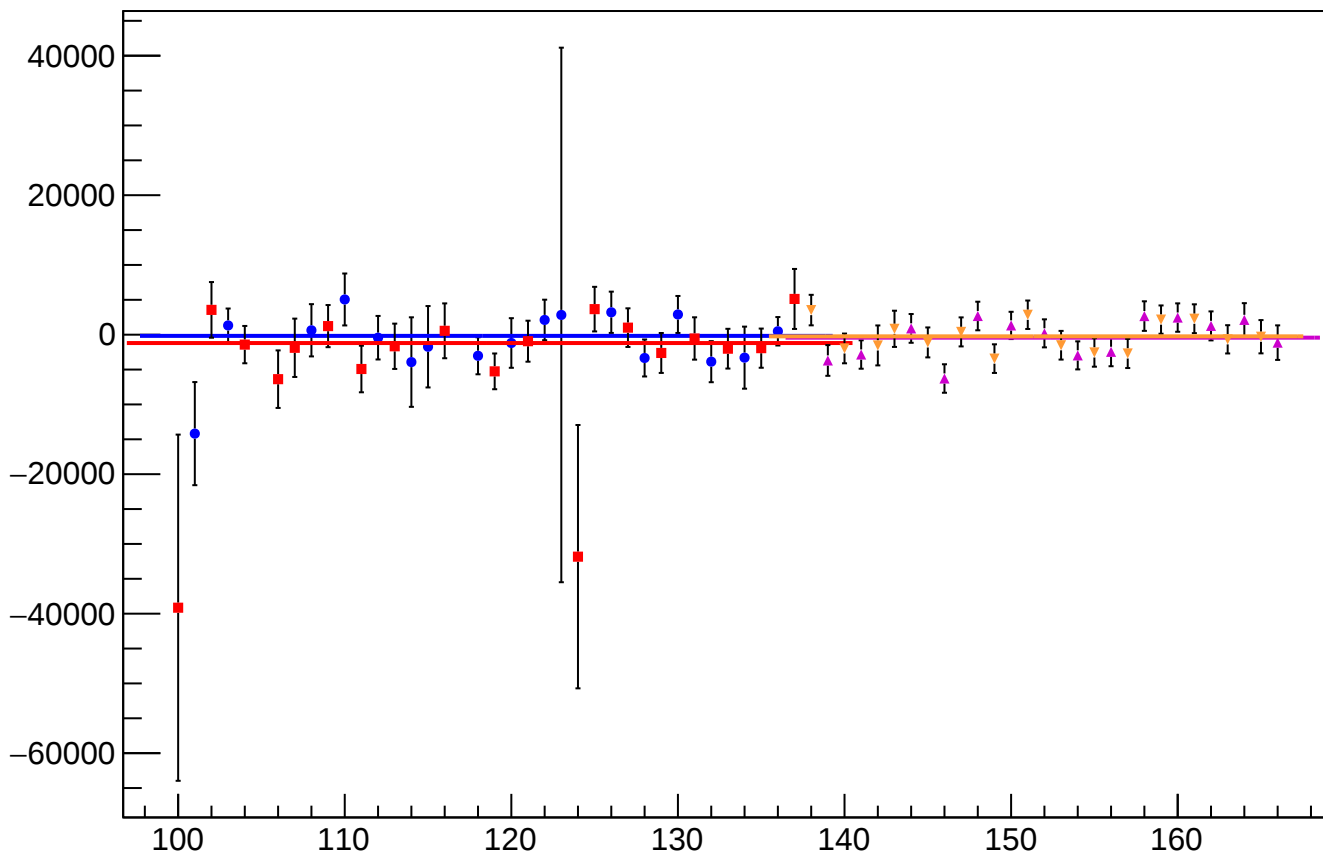
Right: 2181.359 $\pm$ 0.429 χ^2 /NDF: 1514611.9/35

In: 2055.688 $\pm$ 0.352 χ^2 /NDF: 846878.8/30

Out: 2079.334 $\pm$ 0.350 χ^2 /NDF: 971801.2/33

All: 2067.584 $\pm$ 0.248 χ^2 /NDF: 1820949.1/64

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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: -426.030+/-560.506 χ^2/NDF : 24.0/13

Left: -331.220+/-395.021 χ^2/NDF : 39.0/28

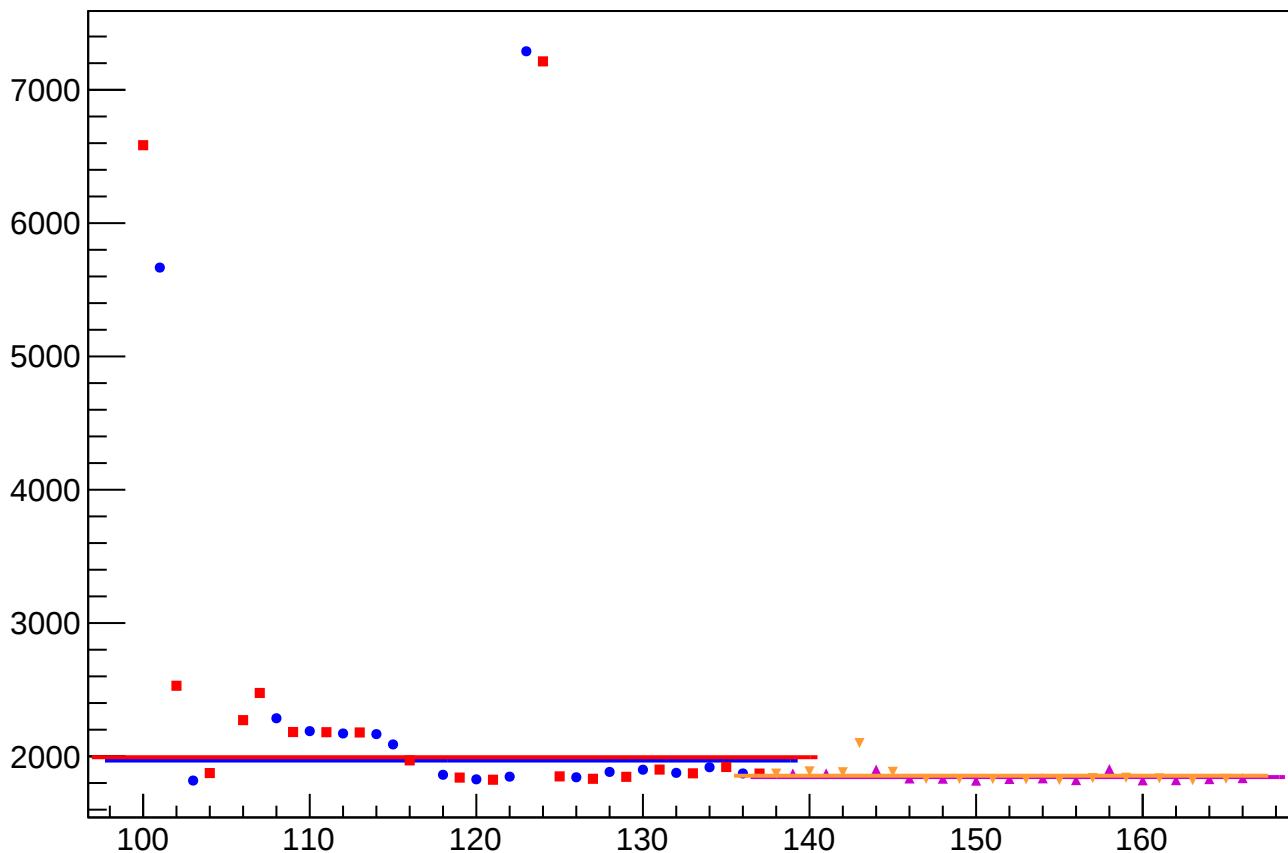
Right: -695.987+/-546.706 χ^2/NDF : 33.6/35

In: -339.312+/-455.645 χ^2/NDF : 38.6/30

Out: -570.494+/-450.030 χ^2/NDF : 34.2/33

All: -456.336+/-320.186 χ^2/NDF : 72.9/64

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1854.650 $\pm$ 0.394 χ^2 /NDF: 21850.4/14

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

Left In: 1844.562 $\pm$ 0.396 χ^2 /NDF: 5228.6/13

Left: 1849.640 $\pm$ 0.279 χ^2 /NDF: 27405.1/28

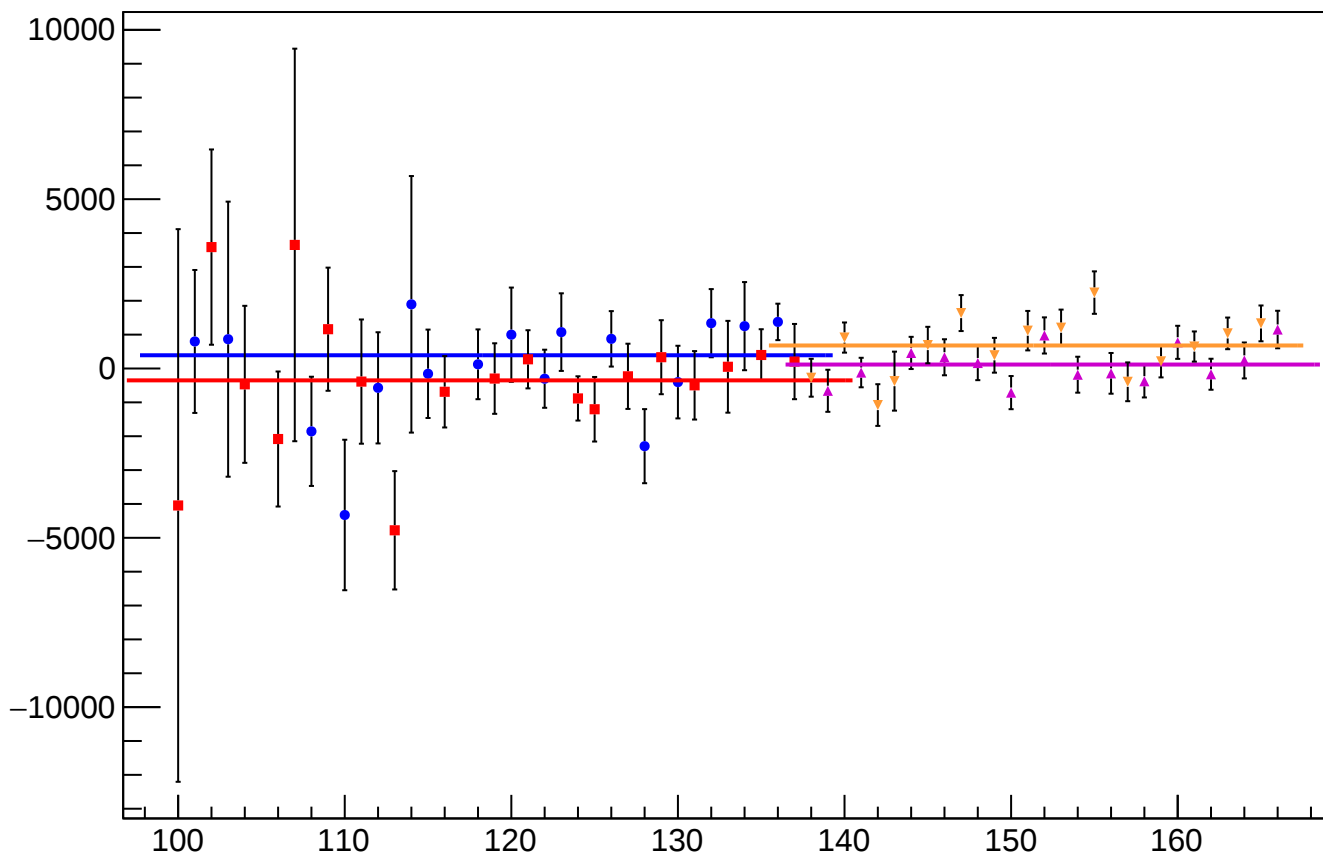
Right: 1981.318 $\pm$ 0.387 χ^2 /NDF: 960172.6/35

In: 1886.643 $\pm$ 0.322 χ^2 /NDF: 641438.0/30

Out: 1902.768 $\pm$ 0.318 χ^2 /NDF: 421099.4/33

All: 1894.805 $\pm$ 0.226 χ^2 /NDF: 1063805.4/64

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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: 116.730+/-136.264 χ^2/NDF :15.3/13

Left: 395.125+/-96.884 χ^2/NDF : 54.4/28

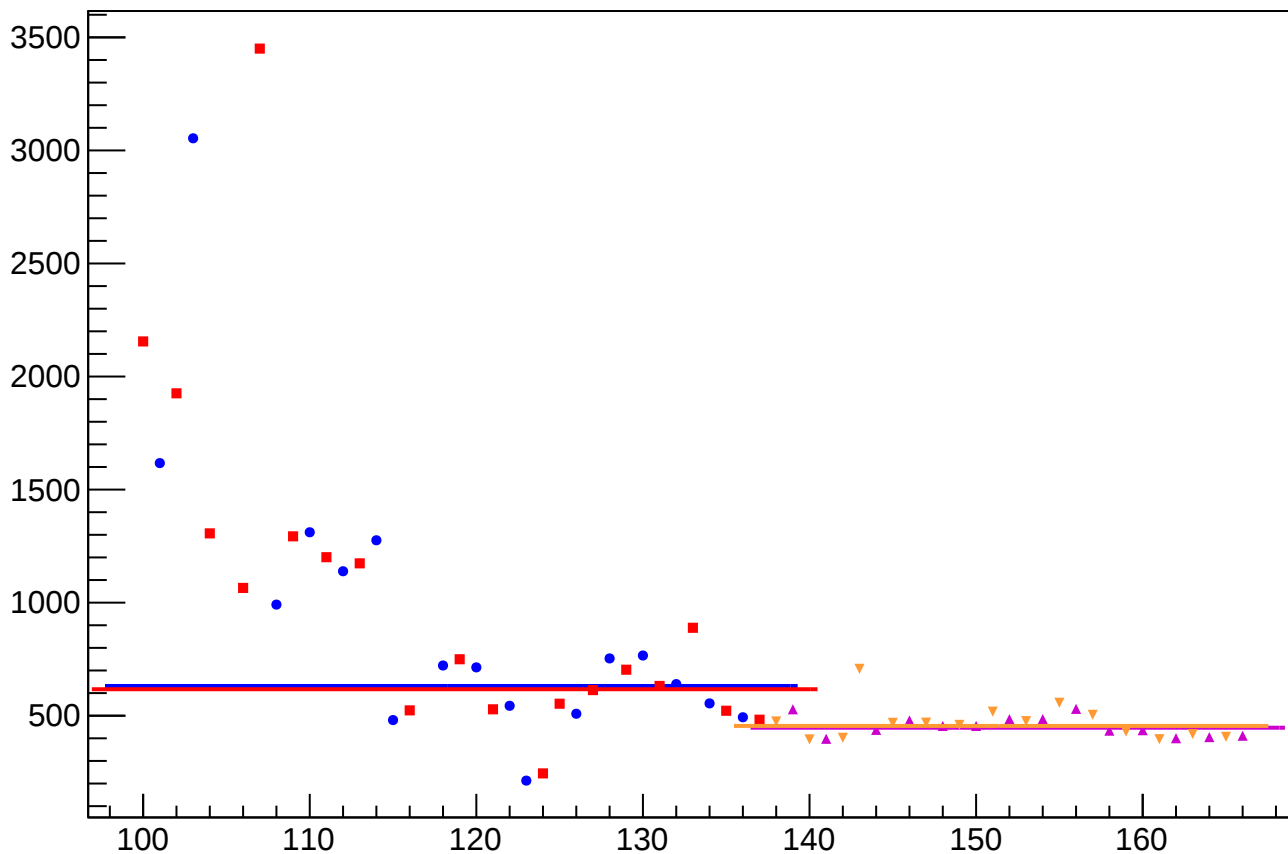
Right: 14.566+/-189.568 χ^2/NDF : 38.1/35

In: 172.349+/-121.661 χ^2/NDF :36.2/30

Out: 461.905+/-122.350 χ^2/NDF :56.8/33

All: 316.309+/-86.270 χ^2/NDF : 95.7/64

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430 ± 0.191 $\chi^2/\text{NDF}: 2260692.7/16$

Left Out: 454.819 ± 0.097 $\chi^2/\text{NDF}: 387380.3/14$

Right Out: 617.035 ± 0.188 $\chi^2/\text{NDF}: 2802149.9/18$

Left In: 446.876 ± 0.096 $\chi^2/\text{NDF}: 171349.1/13$

Left: 450.804 ± 0.069 $\chi^2/\text{NDF}: 562089.2/28$

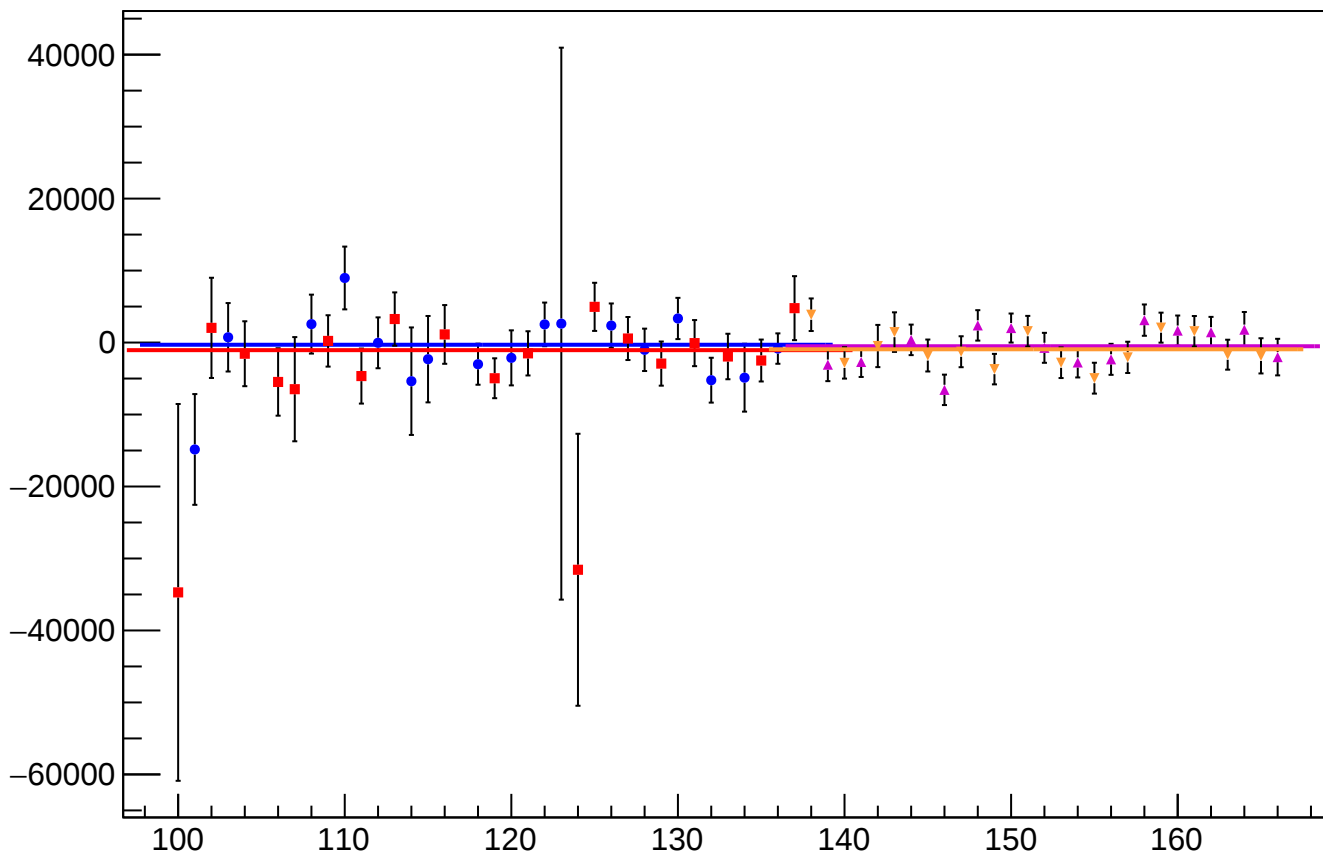
Right: 624.124 ± 0.134 $\chi^2/\text{NDF}: 5065724.7/35$

In: 484.312 ± 0.086 $\chi^2/\text{NDF}: 3176219.3/30$

Out: 489.113 ± 0.087 $\chi^2/\text{NDF}: 3775658.6/33$

All: 486.699 ± 0.061 $\chi^2/\text{NDF}: 6953426.6/64$

asym_at1_dd_mean vs Slug, Sign Corrected



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: -513.049+/-577.974 χ^2/NDF : 22.0/13

Left: -725.199+/-407.800 χ^2/NDF : 39.9/28

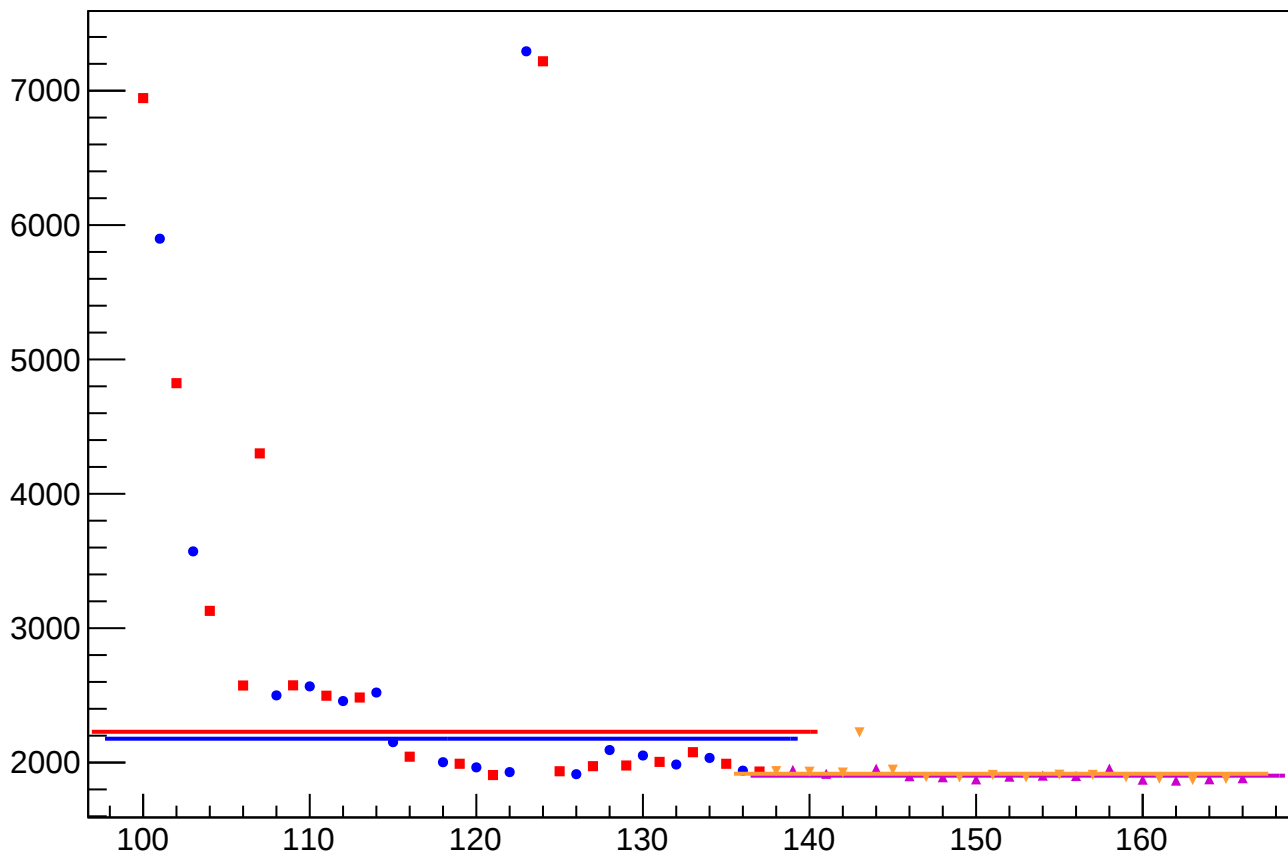
Right: -683.218+/-614.953 χ^2/NDF : 34.2/35

In: -449.756+/-481.745 χ^2/NDF : 39.2/30

Out: -972.596+/-479.538 χ^2/NDF : 34.2/33

All: -712.377+/-339.862 χ^2/NDF : 74.0/64

asym_at1_dd_rms vs Slug, Sign Corrected



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: 1902.249 $\pm$ 0.409 χ^2/NDF :5014.7/13

Left: 1909.527 $\pm$ 0.288 χ^2/NDF : 34882.5/28

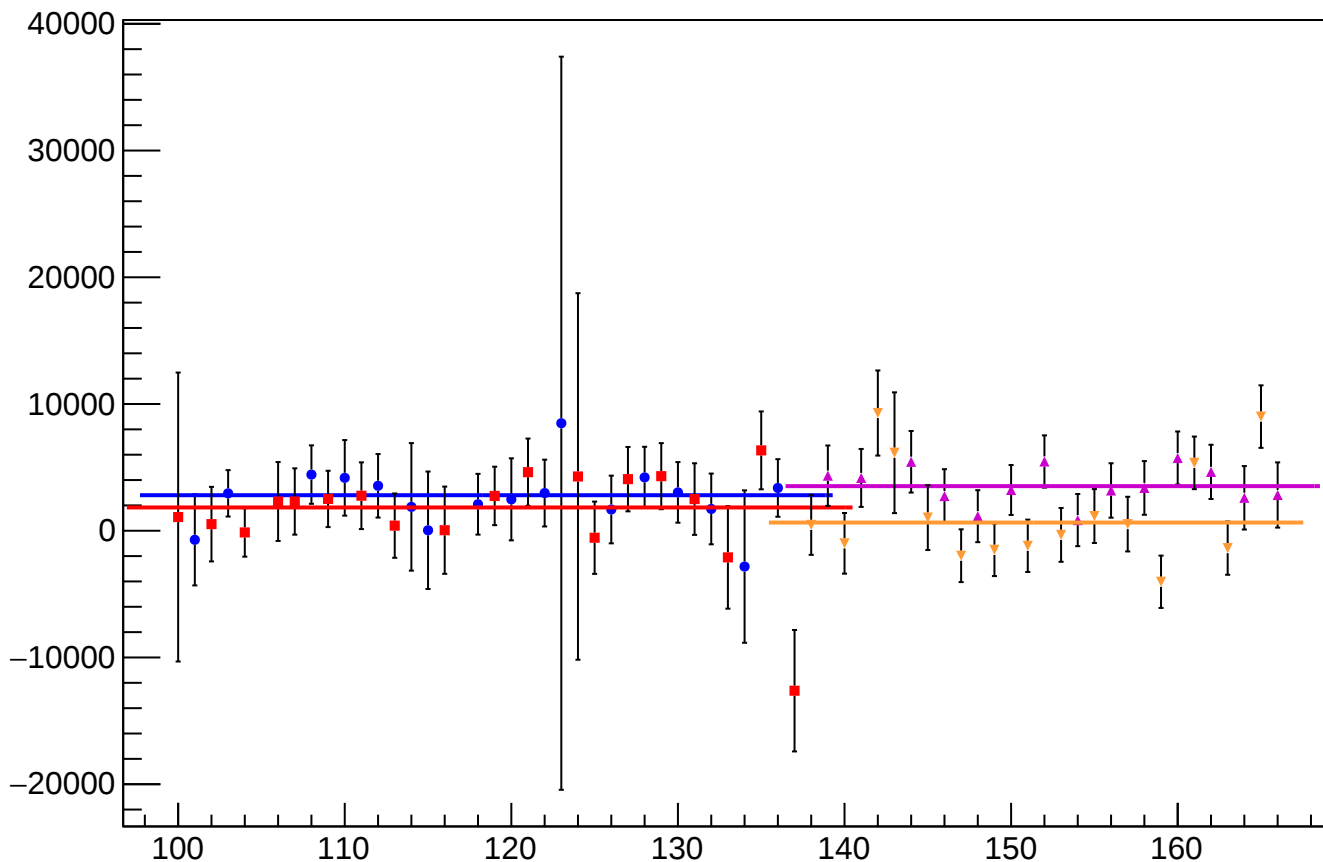
Right: 2203.363 $\pm$ 0.435 χ^2/NDF : 1702161.6/35

In: 1986.257 $\pm$ 0.341 χ^2/NDF :946266.0/30

Out: 1012.175 $\pm$ 0.339 χ^2/NDF :1105021.7/33

All: 1999.276 $\pm$ 0.240 χ^2/NDF : 2054195.4/64

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 646.961+/-592.134 χ^2/NDF : 34.9/14

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

Left In: 3519.257+/-584.808 χ^2/NDF : 6.5/13

Left: 2100.988+/-416.088 χ^2/NDF : 53.3/28

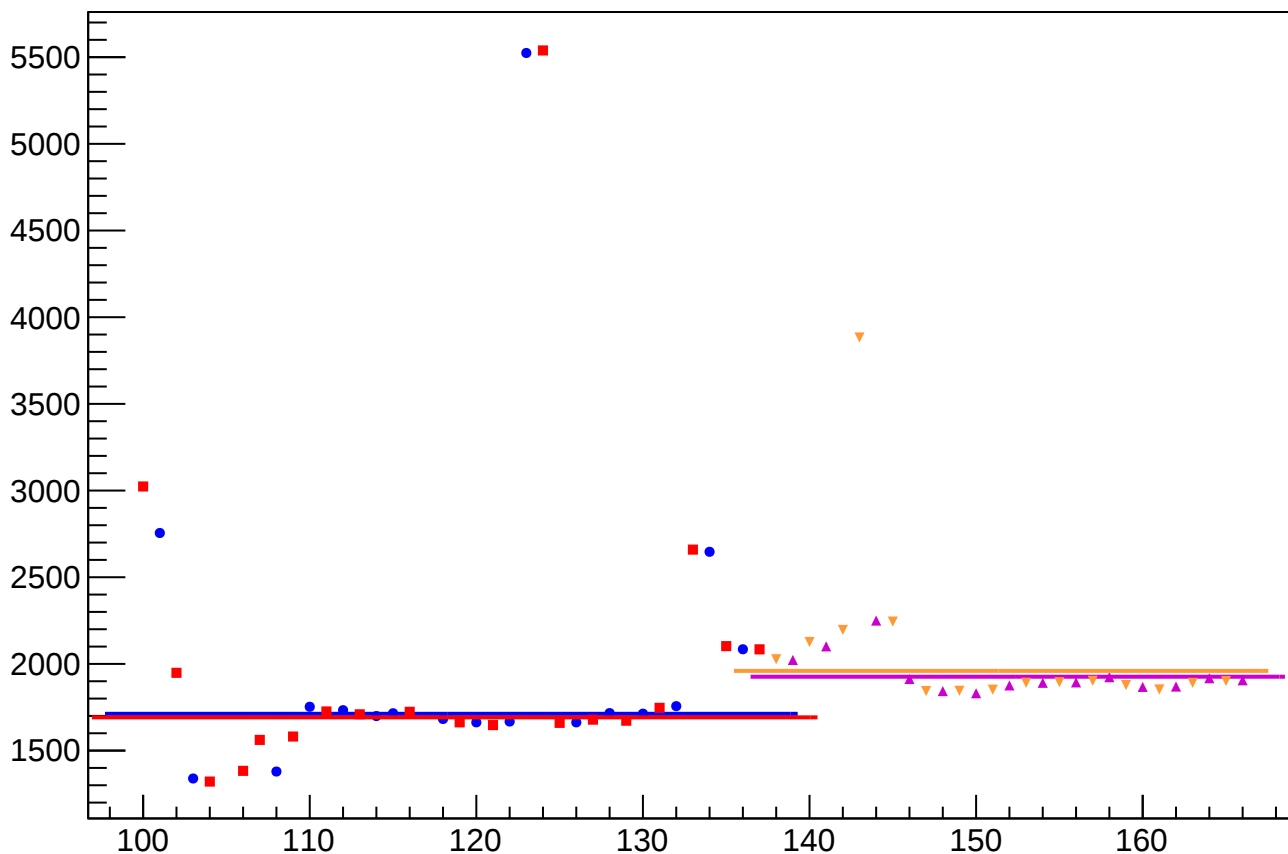
Right: 2303.702+/-471.374 χ^2/NDF : 23.0/35

In: 3214.374+/-442.987 χ^2/NDF : 11.1/30

Out: 1181.945+/-439.343 χ^2/NDF : 54.7/33

All: 2189.765+/-311.943 χ^2/NDF : 76.4/64

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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: 1926.213+/-0.414 χ^2/NDF : 64017.3/13

Left: 1942.797+/-0.294 χ^2/NDF : 473953.5/28

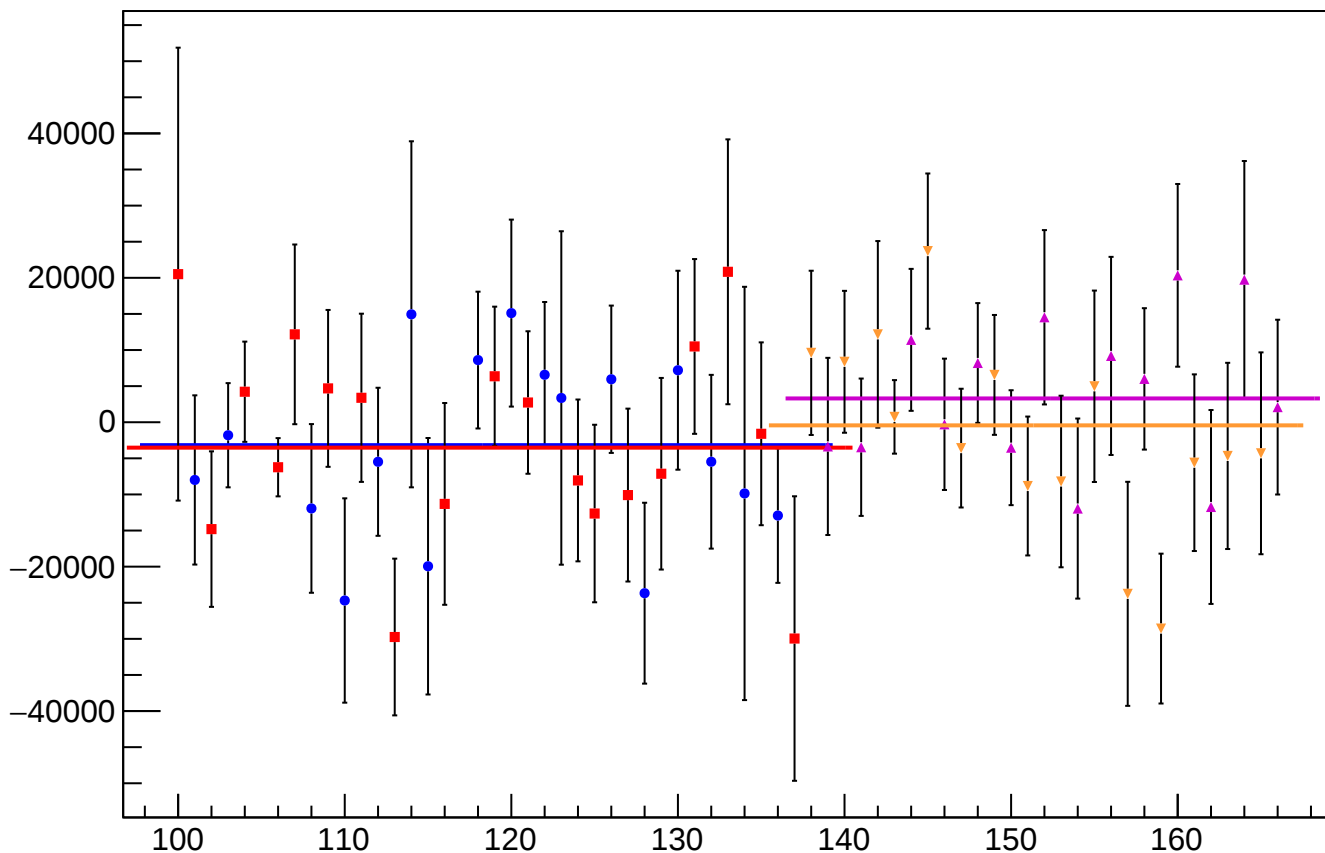
Right: 1701.595+/-0.333 χ^2/NDF : 888336.5/35

In: 1834.979+/-0.313 χ^2/NDF : 610702.1/30

Out: 1839.312+/-0.311 χ^2/NDF : 1045828.5/33

All: 1837.164+/-0.221 χ^2/NDF : 1656627.1/64

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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: 3294.570 $\pm$ 2864.923 χ^2 /NDF:9.4/13

Left: 1204.885 $\pm$ 1899.026 χ^2 /NDF: 30.2/28

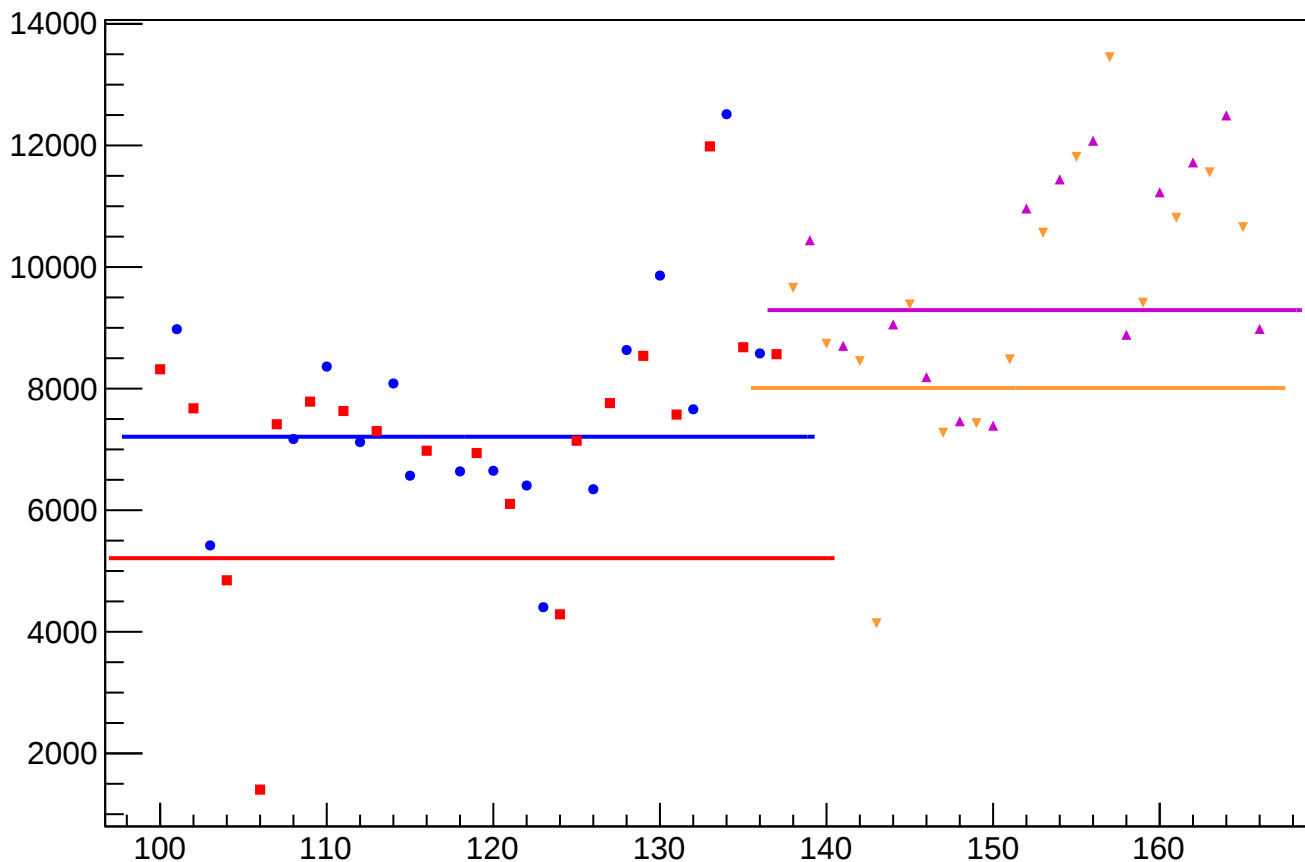
Right: -3385.836 $\pm$ 1774.424 χ^2 /NDF: 33.9/35

In: 46.021 $\pm$ 2021.216 χ^2 /NDF:26.4/30

Out: -2149.319 $\pm$ 1690.026 χ^2 /NDF:40.2/33

All: -1246.012 $\pm$ 1296.521 χ^2 /NDF: 67.2/64

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 8011.448+/-1.793 χ^2/NDF : 2141103.3/14

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

Left In: 9291.437+/-2.026 χ^2/NDF : 640476.6/13

Left: 8573.844+/-1.343 χ^2/NDF : 3005394.8/28

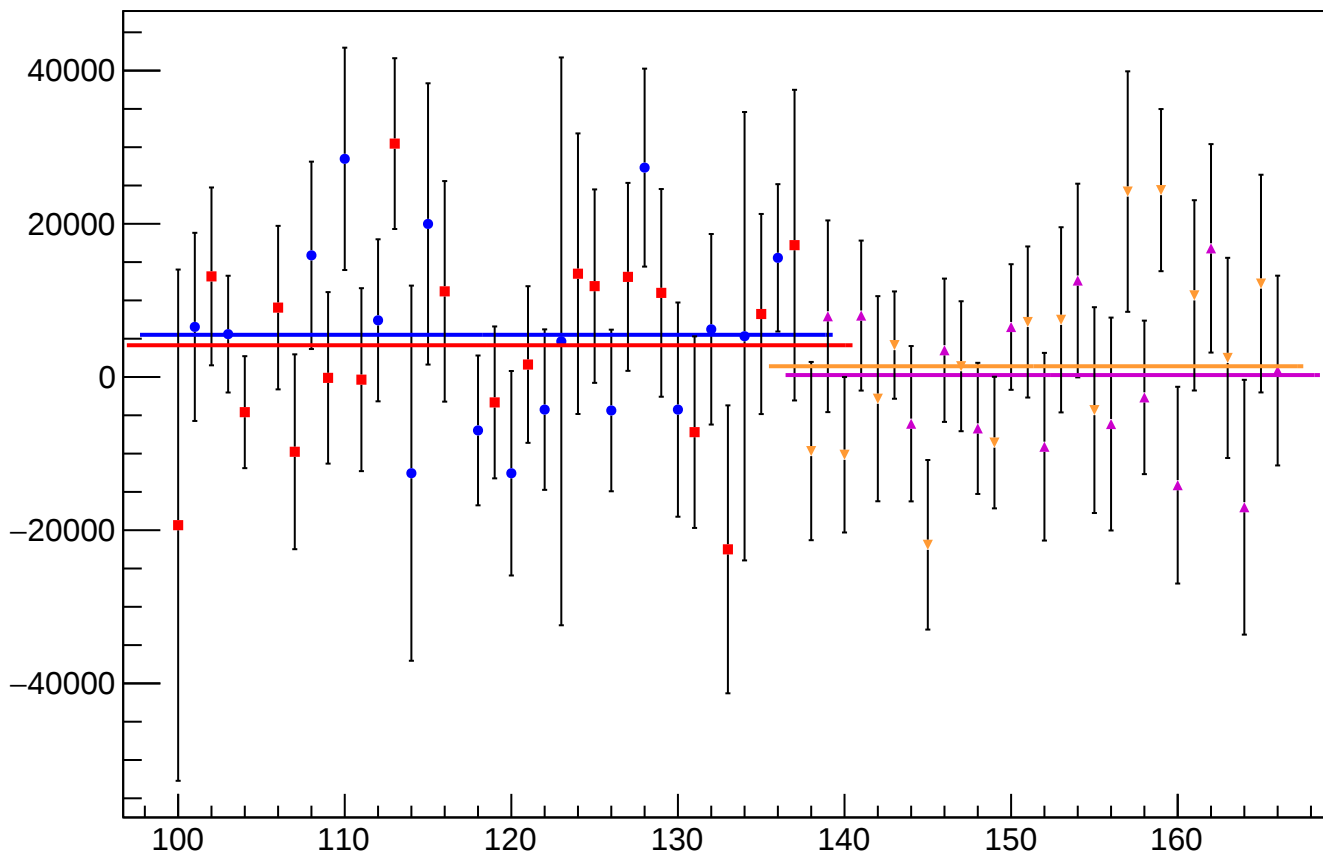
Right: 5984.369+/-1.255 χ^2/NDF : 4267414.1/35

In: 8245.287+/-1.429 χ^2/NDF : 1640736.6/30

Out: 6454.544+/-1.195 χ^2/NDF : 6693478.0/33

All: 7191.373+/-0.917 χ^2/NDF : 9258153.2/64

asym_at2_avg_mean vs Slug, Sign Corrected



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: 253.703 $\pm$ 2934.206 χ^2 /NDF:8.4/13

Left: 865.078 $\pm$ 2009.031 χ^2 /NDF: 25.5/28

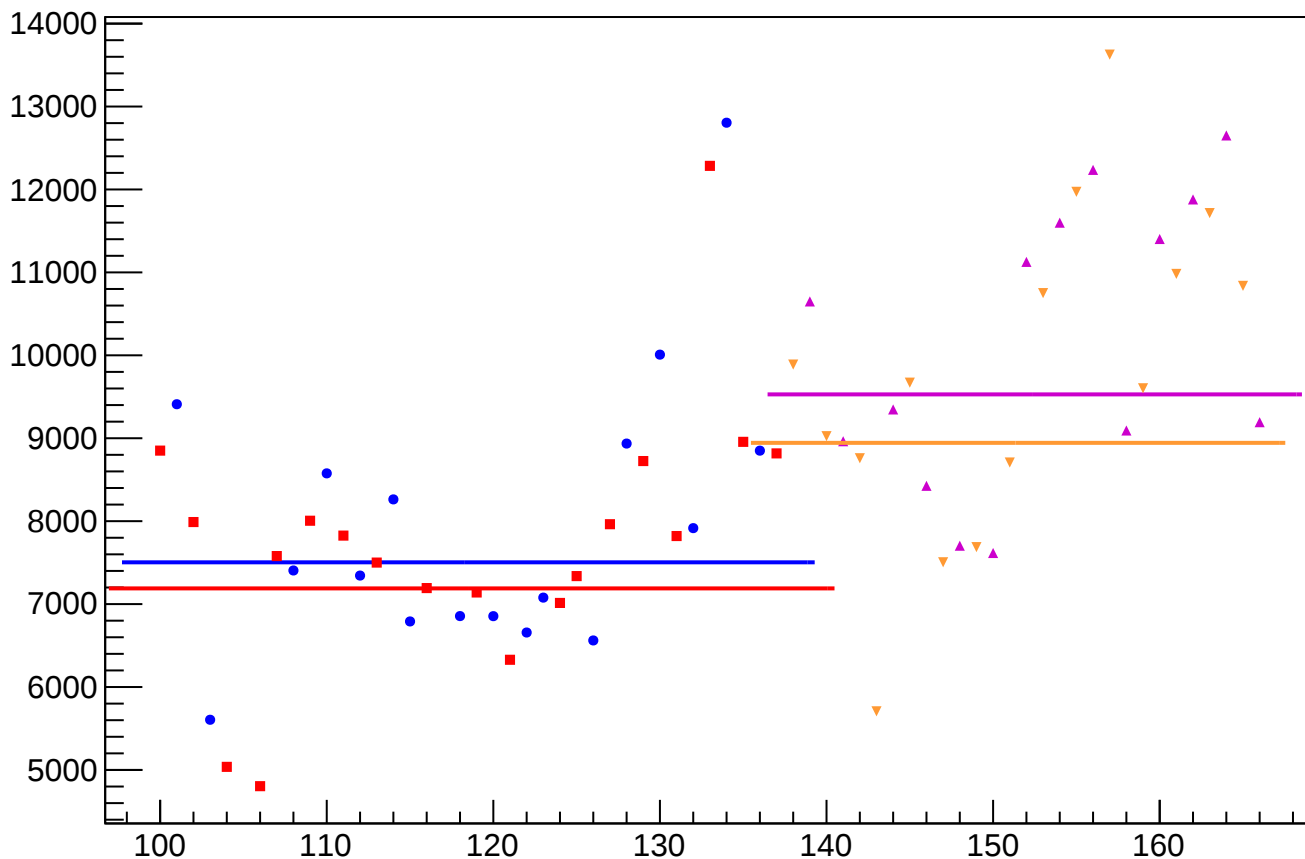
Right: 4784.984 $\pm$ 2033.900 χ^2 /NDF: 29.6/35

In: 2848.773 $\pm$ 2087.696 χ^2 /NDF:24.1/30

Out: 2758.700 $\pm$ 1960.954 χ^2 /NDF:32.9/33

All: 2800.920 $\pm$ 1429.311 χ^2 /NDF: 57.0/64

asym_at2_avg_rms vs Slug, Sign Corrected



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: 9528.807+/-2.075 χ^2/NDF : 592444.4/13

Left: 9218.400+/-1.421 χ^2/NDF : 1696585.2/28

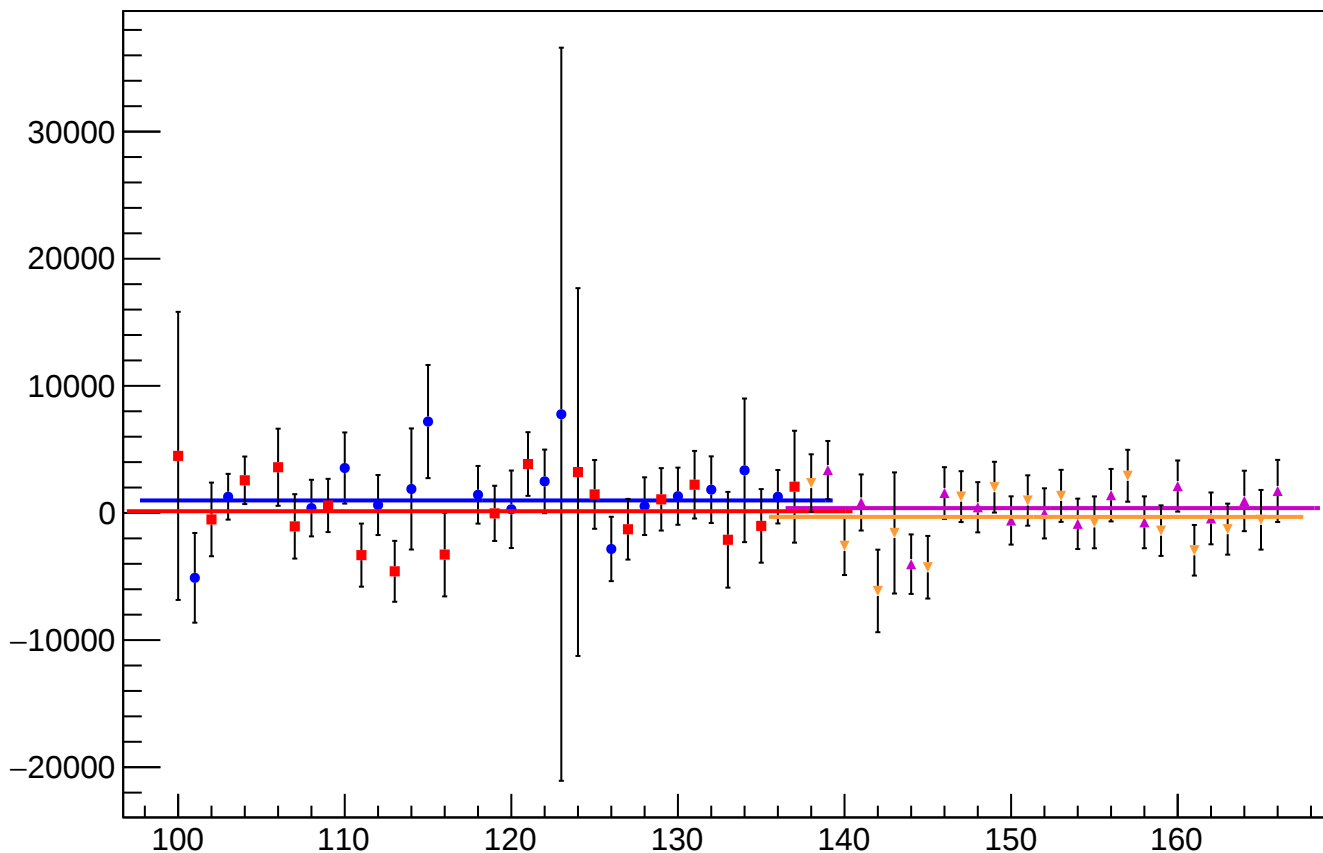
Right: 7336.574+/-1.438 χ^2/NDF : 996921.9/35

In: 8528.840+/-1.476 χ^2/NDF : 1490181.9/30

Out: 8077.393+/-1.387 χ^2/NDF : 2020289.5/33

All: 8288.987+/-1.011 χ^2/NDF : 3560160.3/64

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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: 383.515±/-561.372 χ^2/NDF :8.1/13

Left: 40.510±/-399.311 χ^2/NDF : 25.1/28

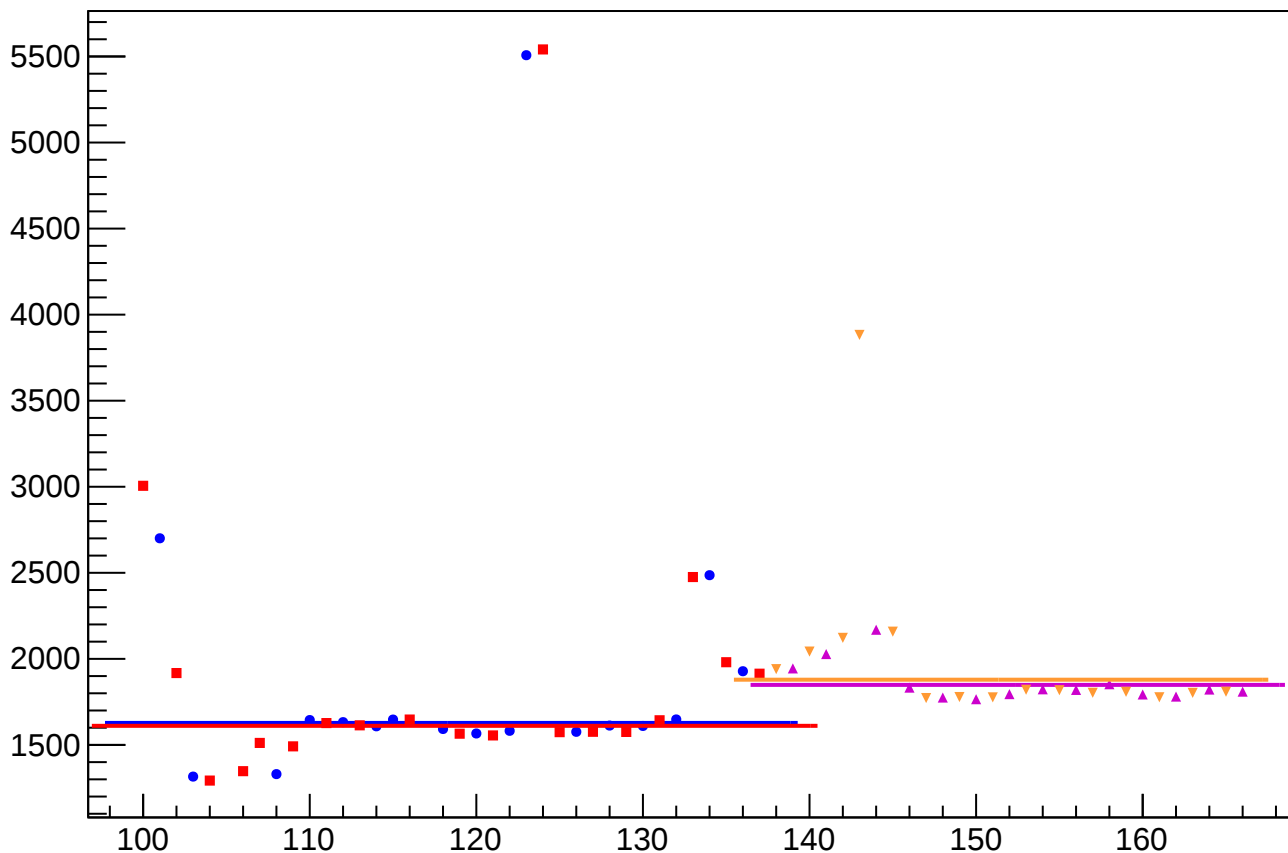
Right: 547.971±/-448.185 χ^2/NDF : 24.6/35

In: 643.125±/-423.346 χ^2/NDF :17.7/30

Out: -106.940±/-419.951 χ^2/NDF :31.1/33

All: 265.073±/-298.143 χ^2/NDF : 50.4/64

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1878.963 $\pm$ 0.402 χ^2 /NDF: 436884.5/14

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

Left In: 1848.834 $\pm$ 0.397 χ^2 /NDF: 67606.7/13

Left: 1863.719 $\pm$ 0.282 χ^2 /NDF: 507337.5/28

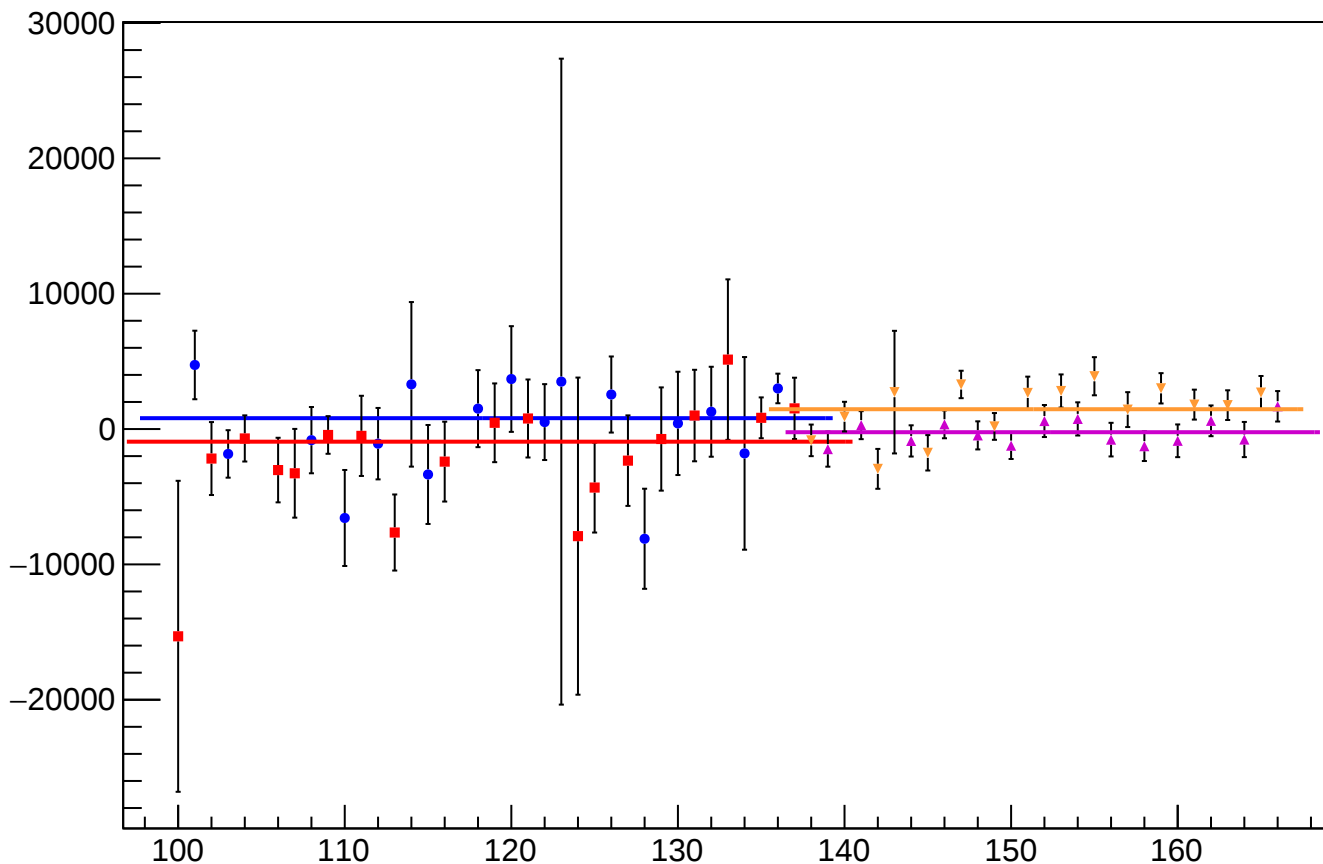
Right: 1619.112 $\pm$ 0.317 χ^2 /NDF: 841776.5/35

In: 1753.519 $\pm$ 0.299 χ^2 /NDF: 608395.7/30

Out: 1757.399 $\pm$ 0.297 χ^2 /NDF: 1072743.2/33

All: 1755.475 $\pm$ 0.211 χ^2 /NDF: 1681223.5/64

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 1465.062 $\pm$ 312.649 χ^2 /NDF:32.4/14

Right Out: -933.645 $\pm$ 589.727 χ^2 /NDF: 15.3/18

Left In: -233.391 $\pm$ 303.126 χ^2 /NDF:9.0/13

Left: 589.575 $\pm$ 217.631 χ^2 /NDF: 56.6/28

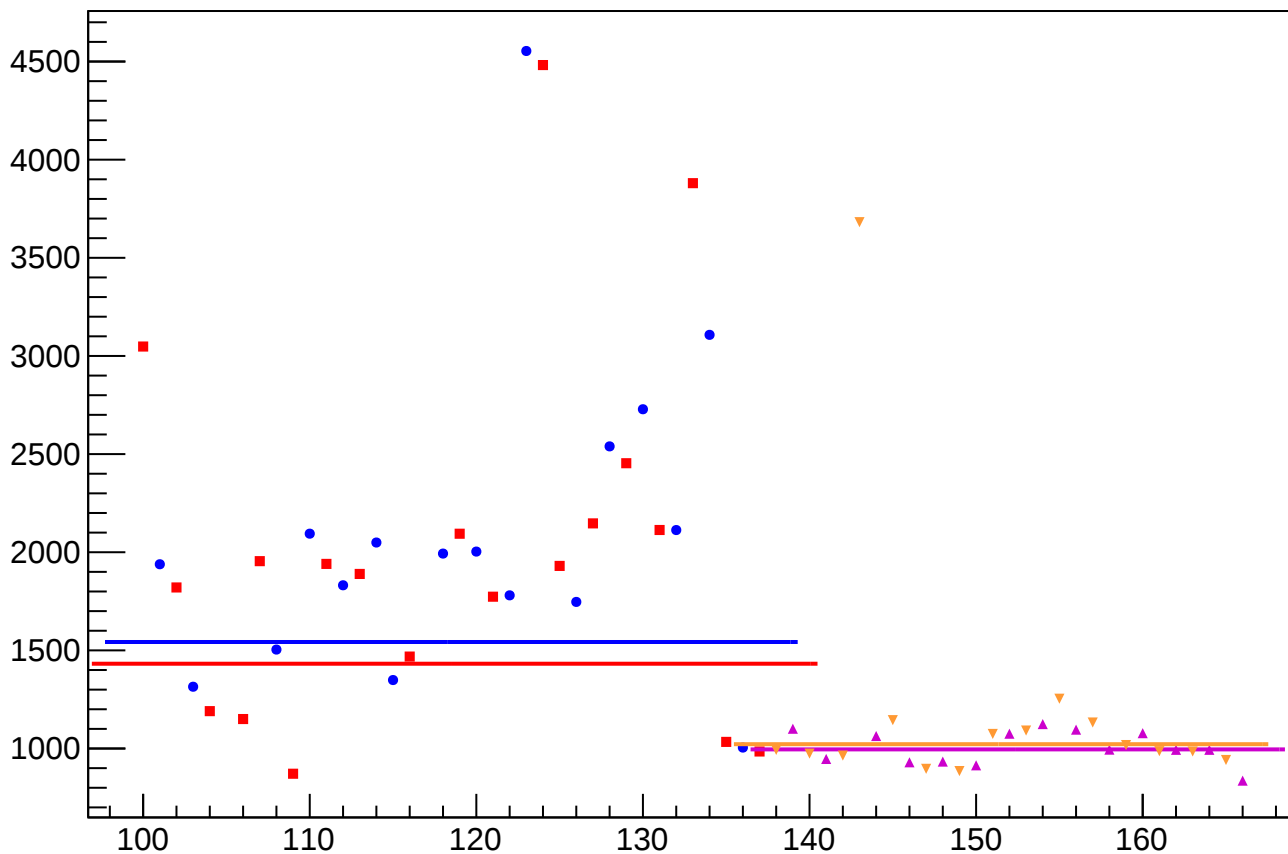
Right: -124.875 $\pm$ 431.067 χ^2 /NDF: 41.7/35

In: -39.393 $\pm$ 273.288 χ^2 /NDF:33.6/30

Out: 938.781 $\pm$ 276.230 χ^2 /NDF:60.6/33

All: 444.458 $\pm$ 194.276 χ^2 /NDF: 100.5/64

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Right Out: 1432.013 $\pm$ 0.417 χ^2 /NDF: 1823809.4/18

Left In: 995.523 $\pm$ 0.214 χ^2 /NDF: 147208.2/13

Left: 1008.369 $\pm$ 0.154 χ^2 /NDF: 1030963.9/28

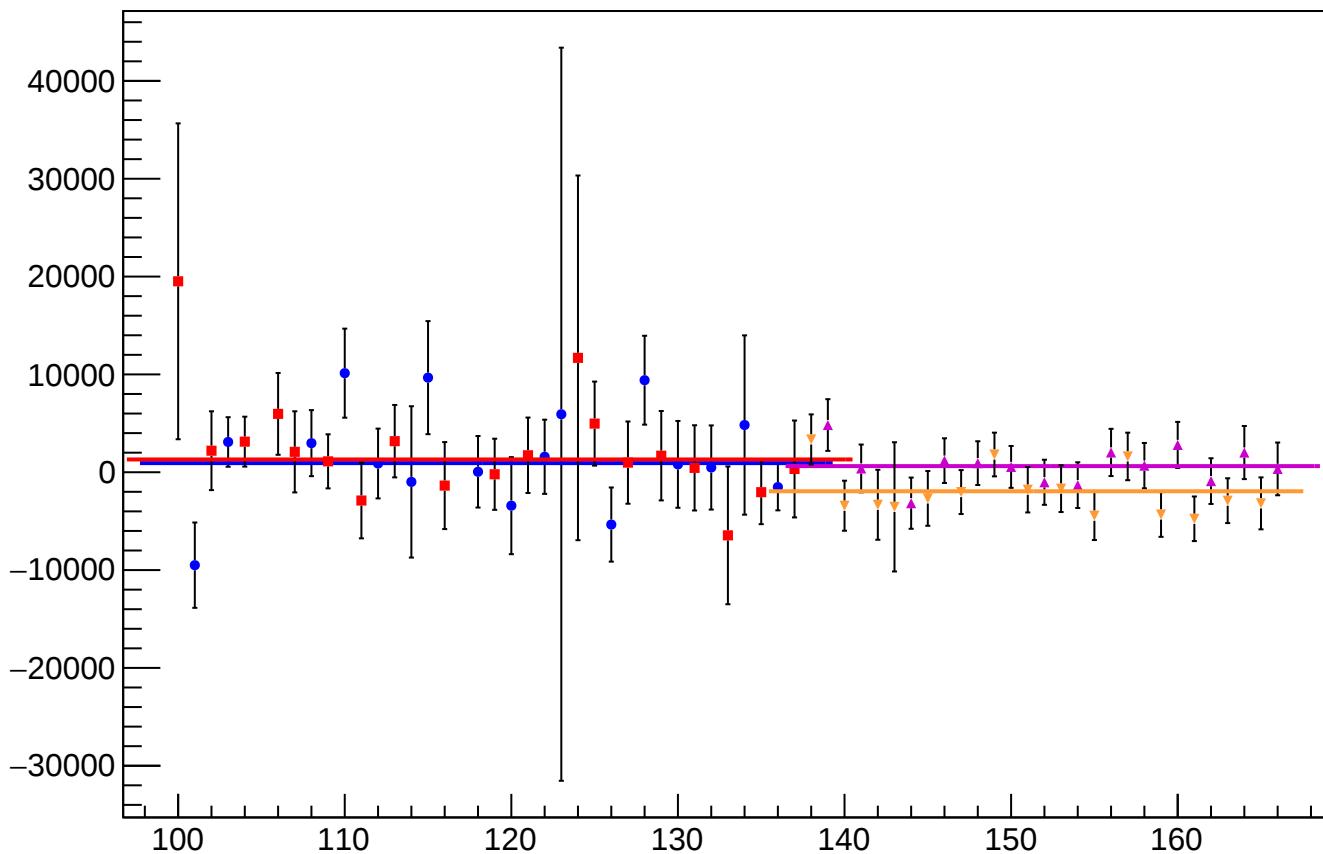
Right: 1483.562 $\pm$ 0.305 χ^2 /NDF: 3144570.0/35

In: 1097.943 $\pm$ 0.193 χ^2 /NDF: 2654987.2/30

Out: 1111.984 $\pm$ 0.195 χ^2 /NDF: 3454688.9/33

All: 1104.888 $\pm$ 0.137 χ^2 /NDF: 6112287.4/64

asym_at2_dd_mean vs Slug, Sign Corrected



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: 626.283 ± 641.133 χ^2/NDF : 7.8/13

Left: -633.792 ± 457.681 χ^2/NDF : 29.6/28

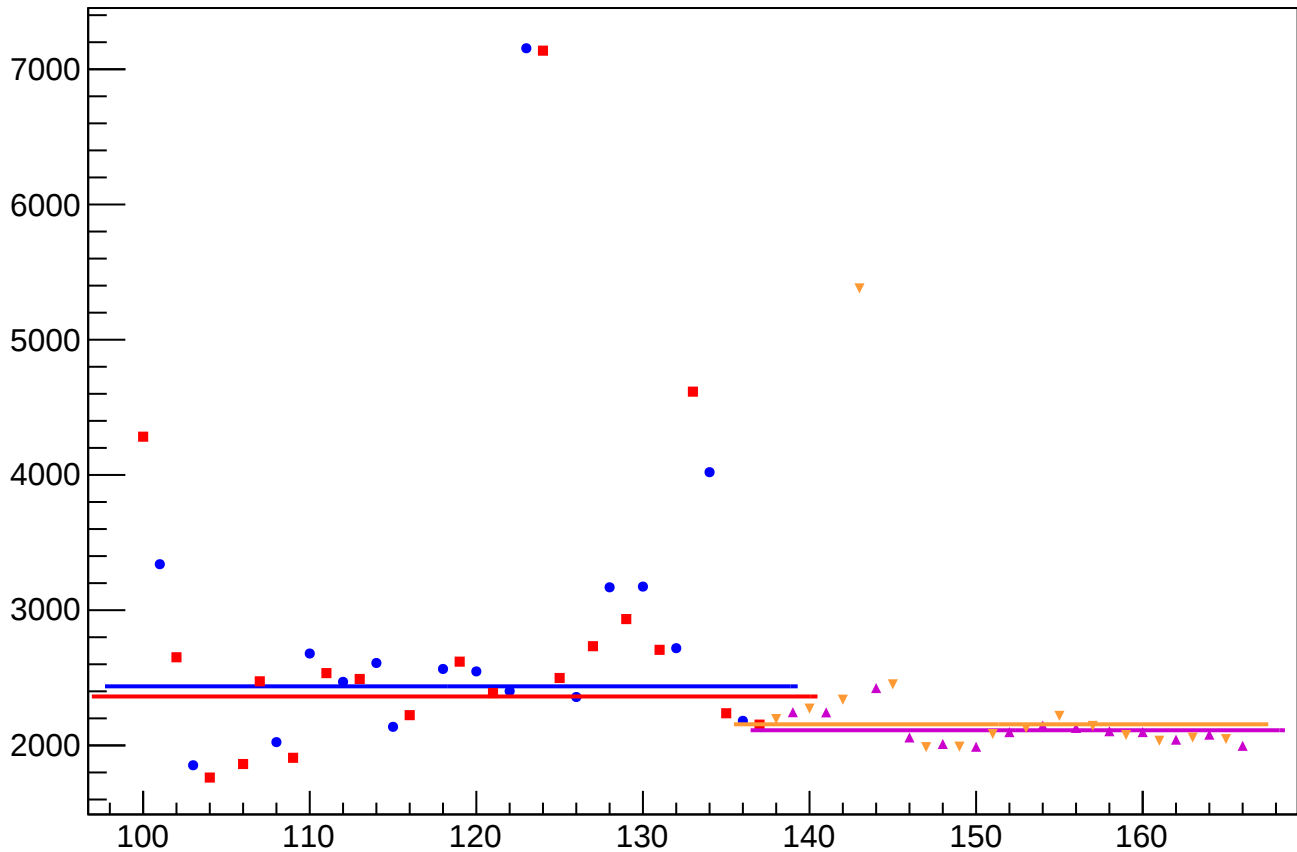
Right: 1128.728 ± 668.896 χ^2/NDF : 30.2/35

In: 719.759 ± 534.513 χ^2/NDF : 29.5/30

Out: -861.310 ± 533.851 χ^2/NDF : 30.6/33

All: -71.756 ± 377.723 χ^2/NDF : 64.5/64

asym_at2_dd_rms vs Slug, Sign Corrected



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: 2112.088+/-0.453 χ^2/NDF : 57480.5/13

Left: 2133.685+/-0.324 χ^2/NDF : 611608.5/28

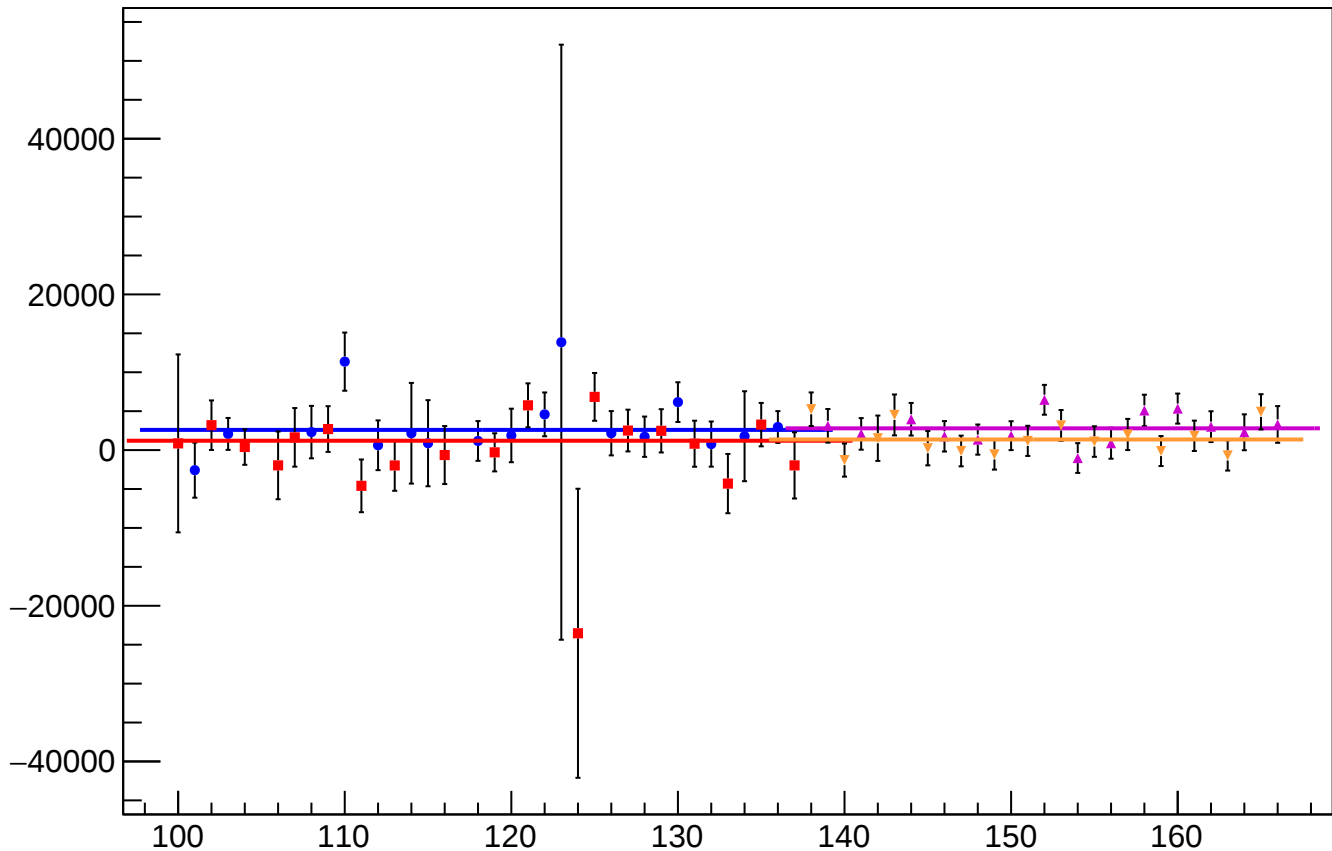
Right: 2397.684+/-0.473 χ^2/NDF : 1131146.9/35

In: 2211.124+/-0.378 χ^2/NDF : 683004.8/30

Out: 2224.600+/-0.377 χ^2/NDF : 1271312.6/33

All: 2217.870+/-0.267 χ^2/NDF : 1954953.8/64

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1361.869 $\pm$ 538.626 χ^2 /NDF:13.2/14

Right Out: 1202.548 $\pm$ 739.618 χ^2 /NDF: 17.2/18

Left In: 2795.387 $\pm$ 539.269 χ^2 /NDF:13.2/13

Left: 2077.773 $\pm$ 381.093 χ^2 /NDF: 30.0/28

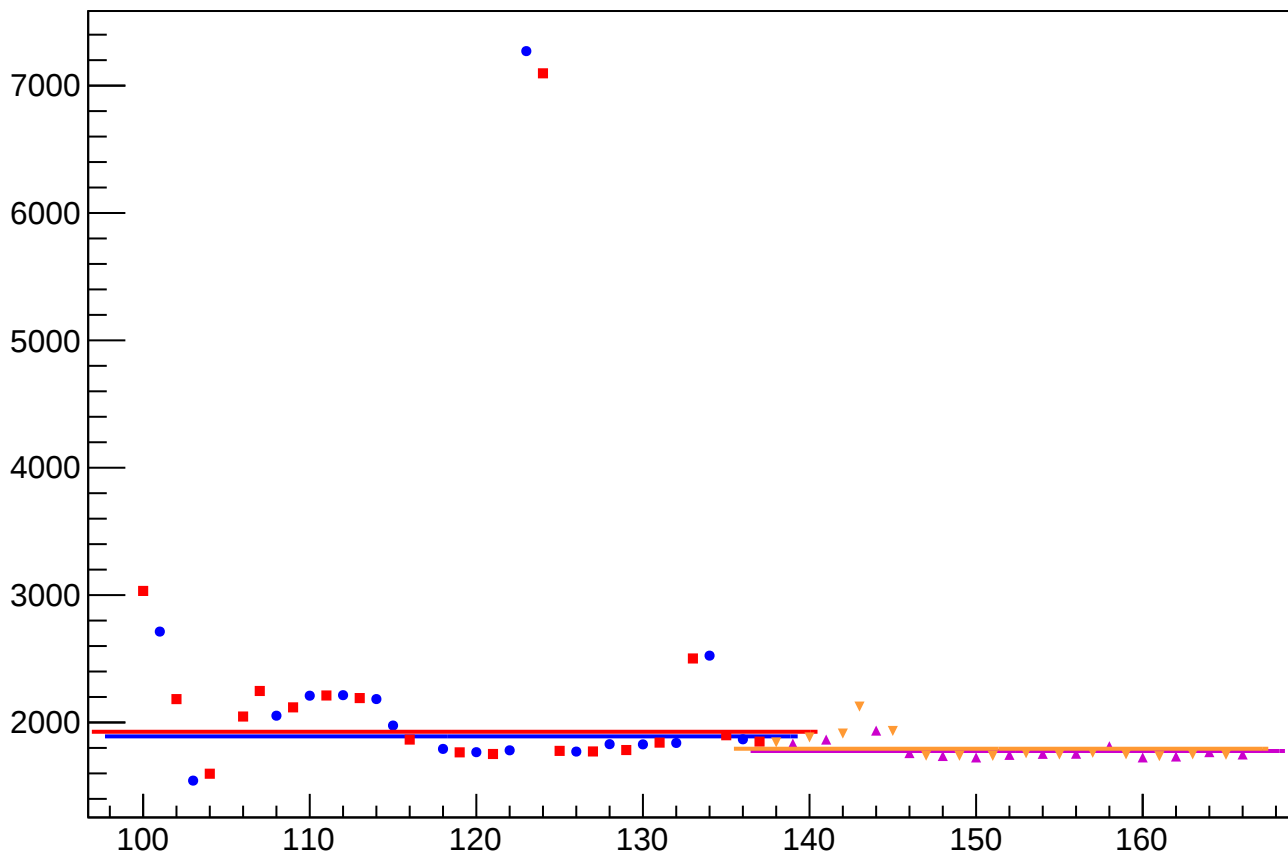
Right: 1895.439 $\pm$ 524.180 χ^2 /NDF: 30.7/35

In: 2726.139 $\pm$ 436.432 χ^2 /NDF:25.0/30

Out: 1306.656 $\pm$ 435.404 χ^2 /NDF:30.5/33

All: 2014.723 $\pm$ 308.240 χ^2 /NDF: 60.7/64

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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: 1775.893+/-0.381 χ^2/NDF : 23804.8/13

Left: 1784.802+/-0.269 χ^2/NDF : 84374.1/28

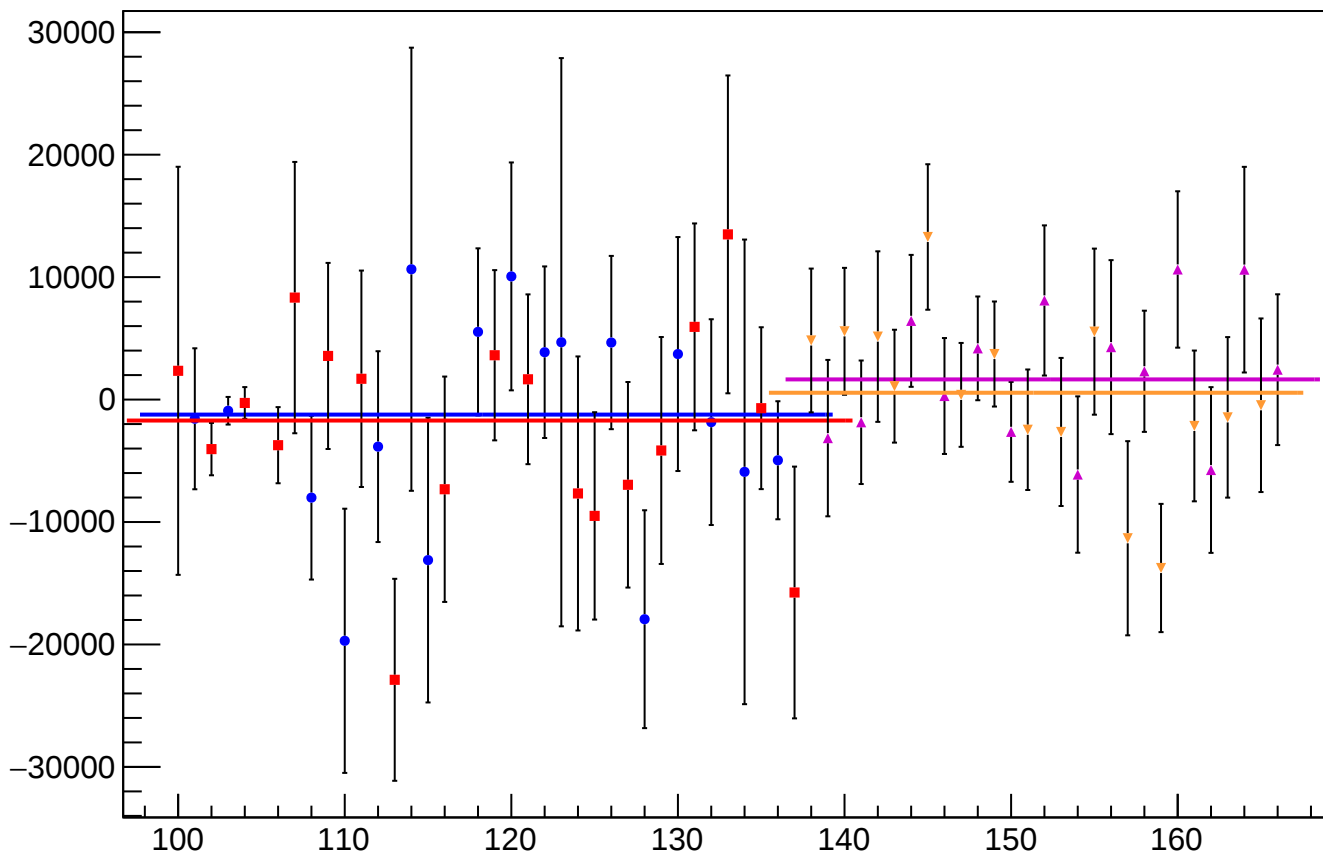
Right: 1908.946+/-0.370 χ^2/NDF : 653591.4/35

In: 1815.512+/-0.309 χ^2/NDF : 344037.6/30

Out: 1839.966+/-0.308 χ^2/NDF : 464245.4/33

All: 1827.774+/-0.218 χ^2/NDF : 811431.7/64

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



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: 1647.027 $\pm$ 1478.631 χ^2 /NDF:10.4/13

Left: 1086.514 $\pm$ 1030.371 χ^2 /NDF: 29.0/28

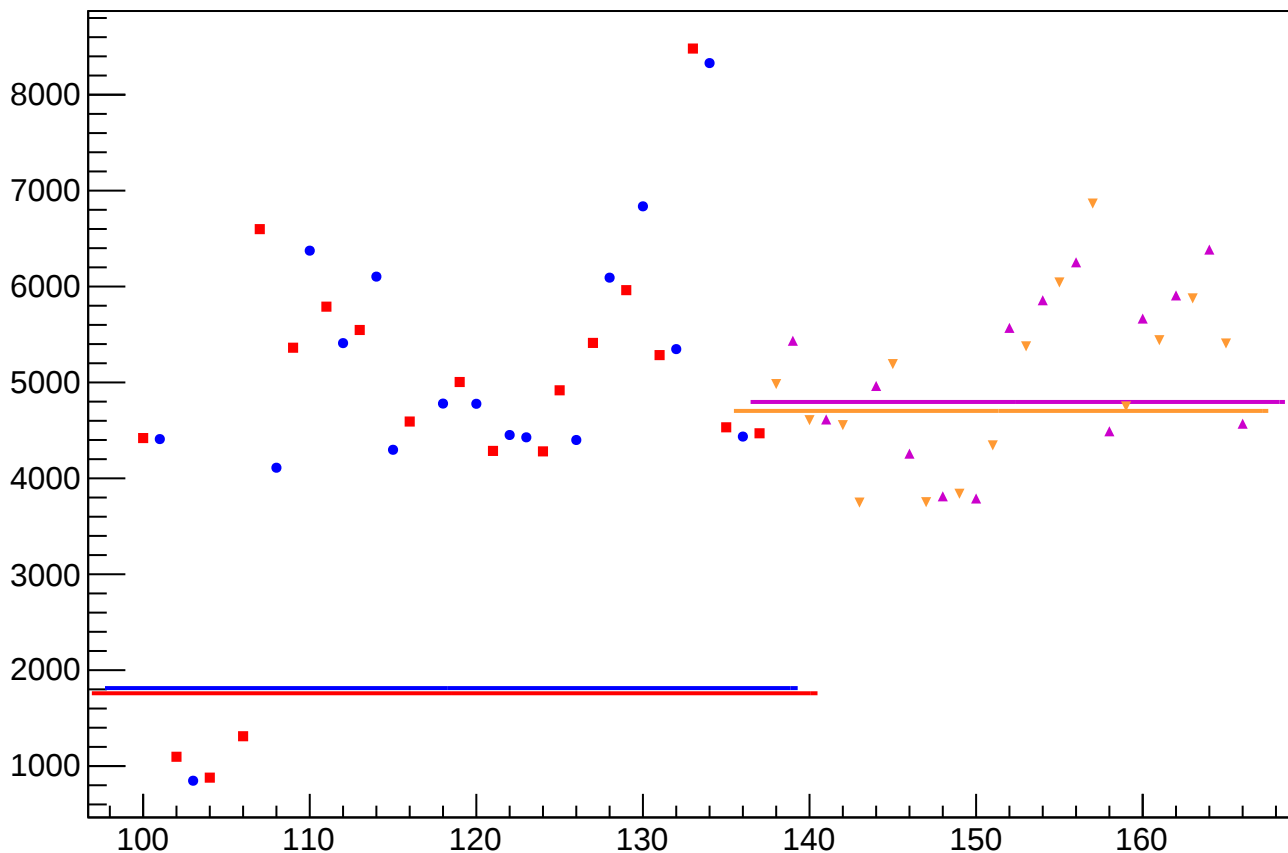
Right: -1480.155 $\pm$ 680.499 χ^2 /NDF: 31.8/35

In: -344.055 $\pm$ 819.534 χ^2 /NDF:26.9/30

Out: -1029.886 $\pm$ 787.506 χ^2 /NDF:37.8/33

All: -700.633 $\pm$ 567.836 χ^2 /NDF: 65.1/64

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4703.160+/-1.016 χ^2/NDF : 662216.3/14

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

Left In: 4796.518+/-1.046 χ^2/NDF : 623834.0/13

Left: 4748.493+/-0.729 χ^2/NDF : 1290151.5/28

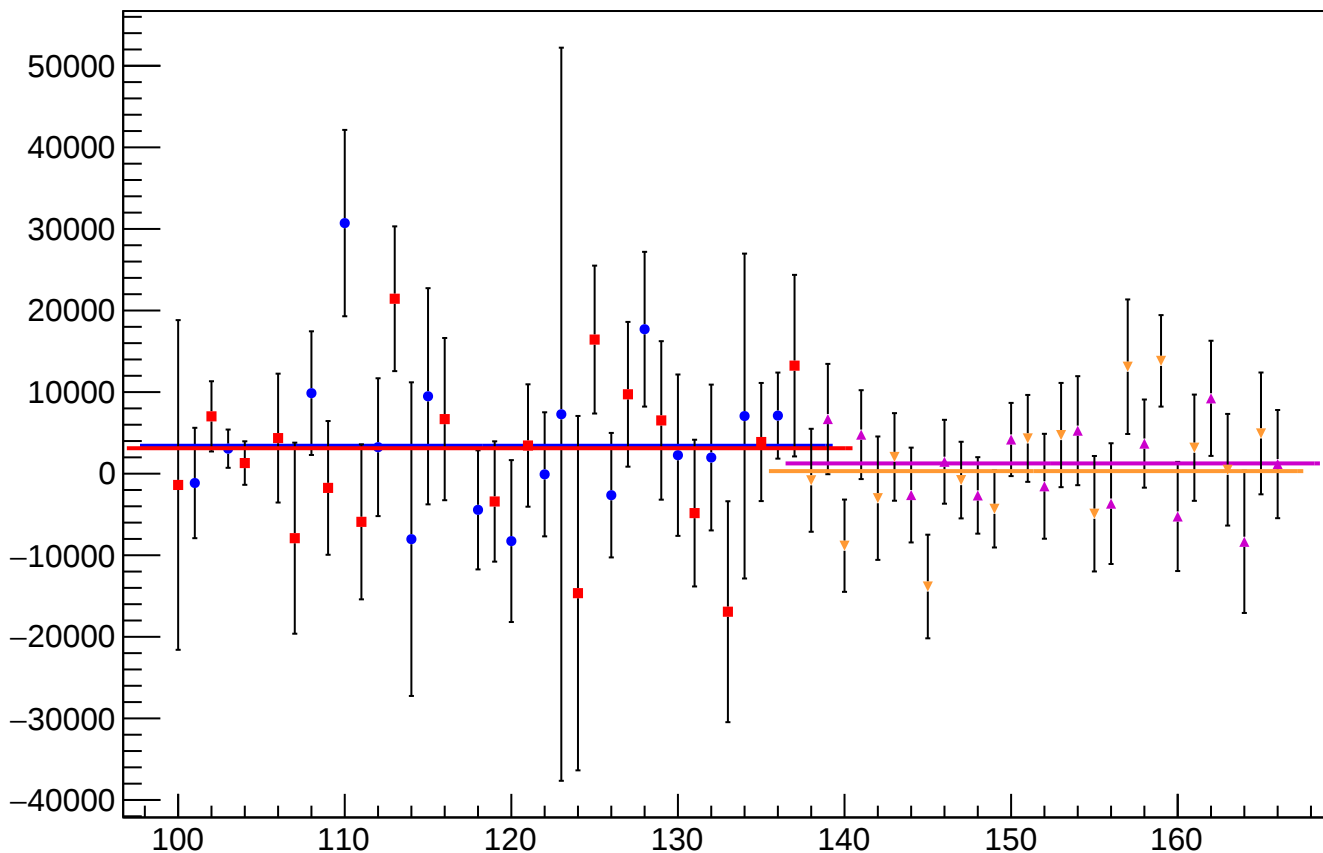
Right: 1784.958+/-0.481 χ^2/NDF : 12765256.3/35

In: 2729.656+/-0.579 χ^2/NDF : 12713426.4/30

Out: 2643.788+/-0.557 χ^2/NDF : 12850583.3/33

All: 2685.012+/-0.402 χ^2/NDF : 25575425.2/66

asym_atl1r2_avg_mean vs Slug, Sign Corrected



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: 1257.176+/-1589.871 χ^2/NDF :7.3/13

Left: 775.199+/-1112.594 χ^2/NDF : 26.7/28

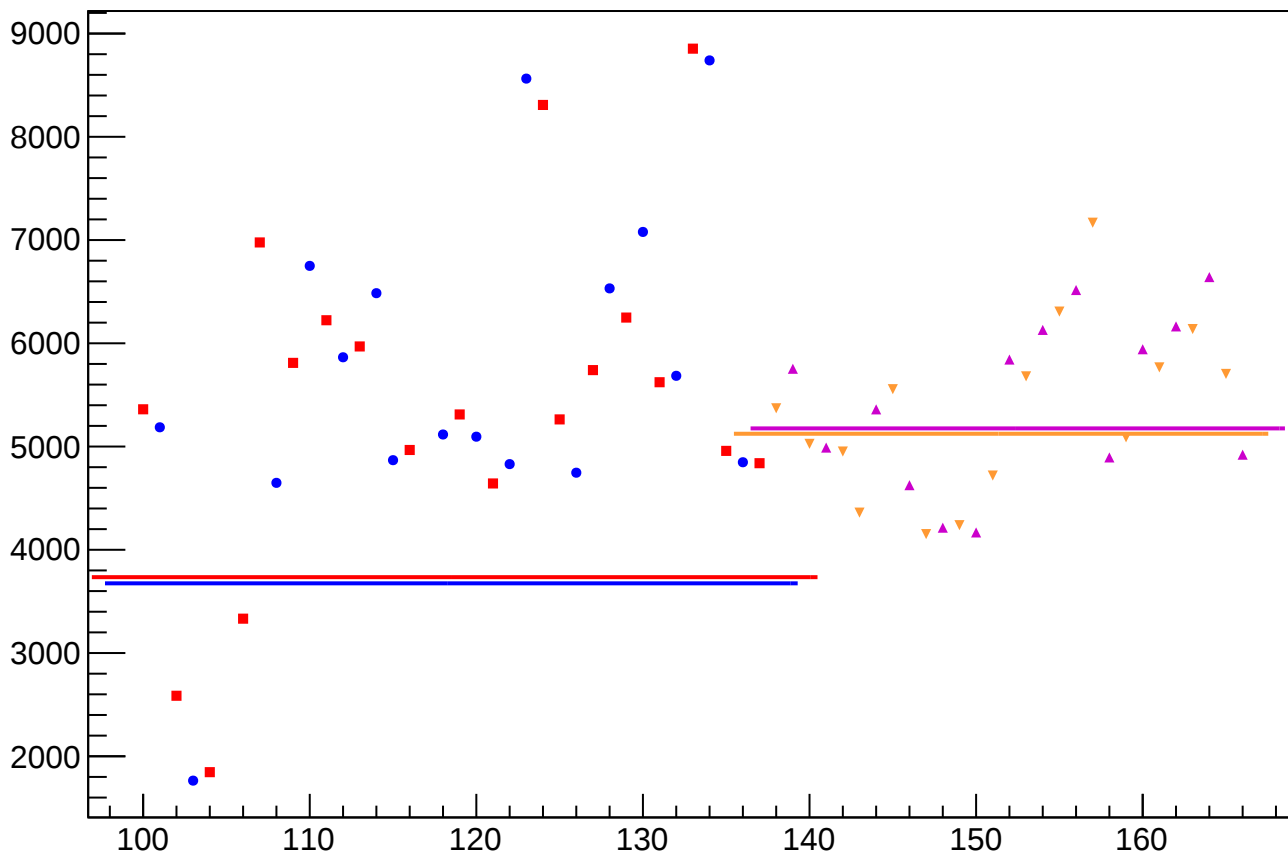
Right: 3269.490+/-1135.828 χ^2/NDF : 29.7/35

In: 2327.842+/-1130.104 χ^2/NDF :21.9/30

Out: 1672.328+/-1118.056 χ^2/NDF :36.9/33

All: 1996.573+/-794.810 χ^2/NDF : 58.9/64

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2/NDF : 2775085.7/16

Left Out: 5123.844 $\pm$ 1.101 χ^2/NDF : 490835.4/14

Right Out: 3734.796 $\pm$ 1.128 χ^2/NDF : 2693929.0/18

Left In: 5175.684 $\pm$ 1.124 χ^2/NDF : 485025.2/13

Left: 5149.231 $\pm$ 0.787 χ^2/NDF : 976945.6/28

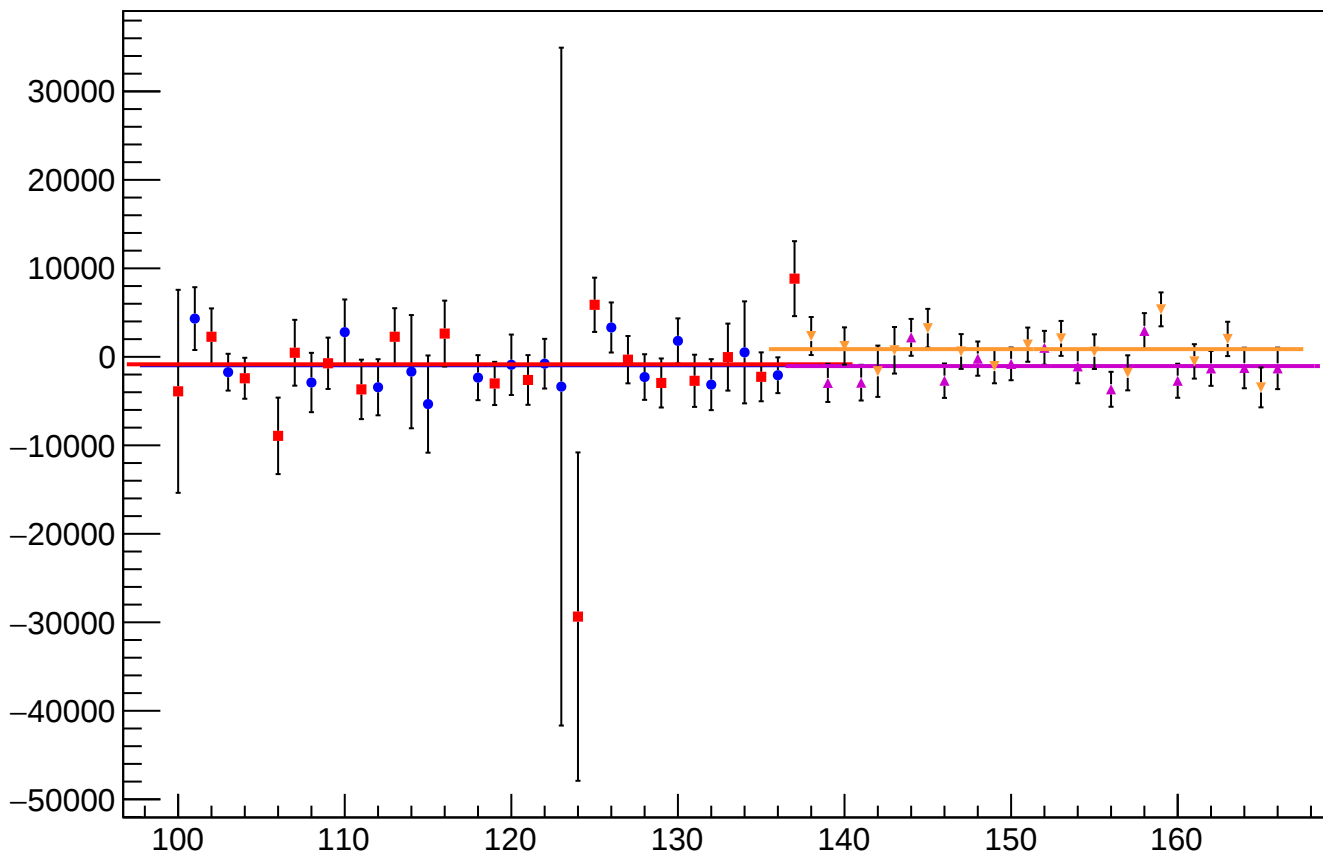
Right: 3705.112 $\pm$ 0.800 χ^2/NDF : 5470409.5/35

In: 4433.234 $\pm$ 0.799 χ^2/NDF : 4141692.2/30

Out: 4445.947 $\pm$ 0.788 χ^2/NDF : 3961088.9/33

All: 4439.679 $\pm$ 0.561 χ^2/NDF : 8102909.4/64

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377 ± 740.668 $\chi^2/\text{NDF}: 10.0/16$

Left Out: 871.549 ± 536.294 $\chi^2/\text{NDF}: 15.8/14$

Right Out: -843.515 ± 737.527 $\chi^2/\text{NDF}: 22.5/18$

Left In: -1043.240 ± 536.999 $\chi^2/\text{NDF}: 12.6/13$

Left: -84.587 ± 379.466 $\chi^2/\text{NDF}: 34.7/28$

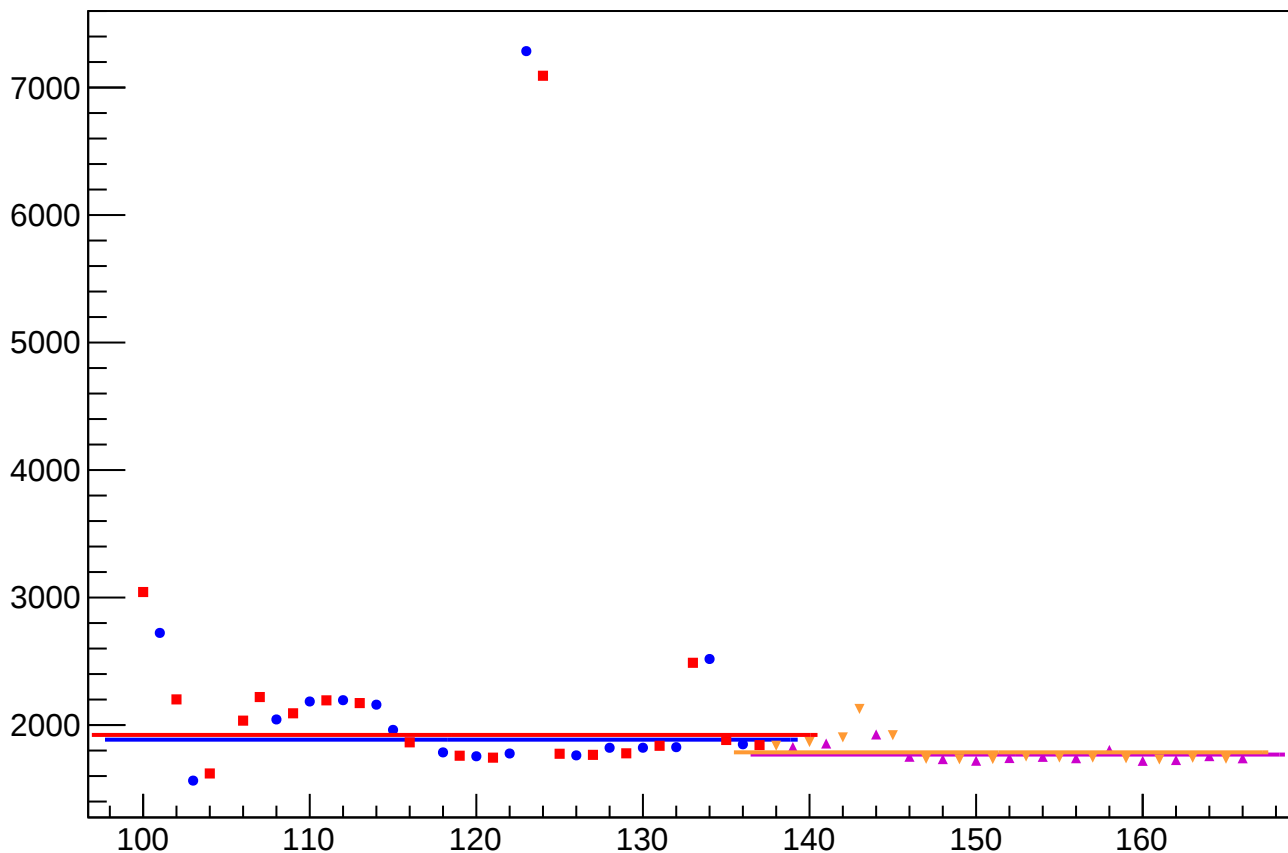
Right: -897.217 ± 522.617 $\chi^2/\text{NDF}: 32.5/35$

In: -1011.589 ± 434.756 $\chi^2/\text{NDF}: 22.6/30$

Out: 278.359 ± 433.745 $\chi^2/\text{NDF}: 41.8/33$

All: -365.114 ± 307.061 $\chi^2/\text{NDF}: 68.8/64$

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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: 1768.447+/-0.380 χ^2/NDF : 23104.7/13

Left: 1777.216+/-0.268 χ^2/NDF : 84125.1/28

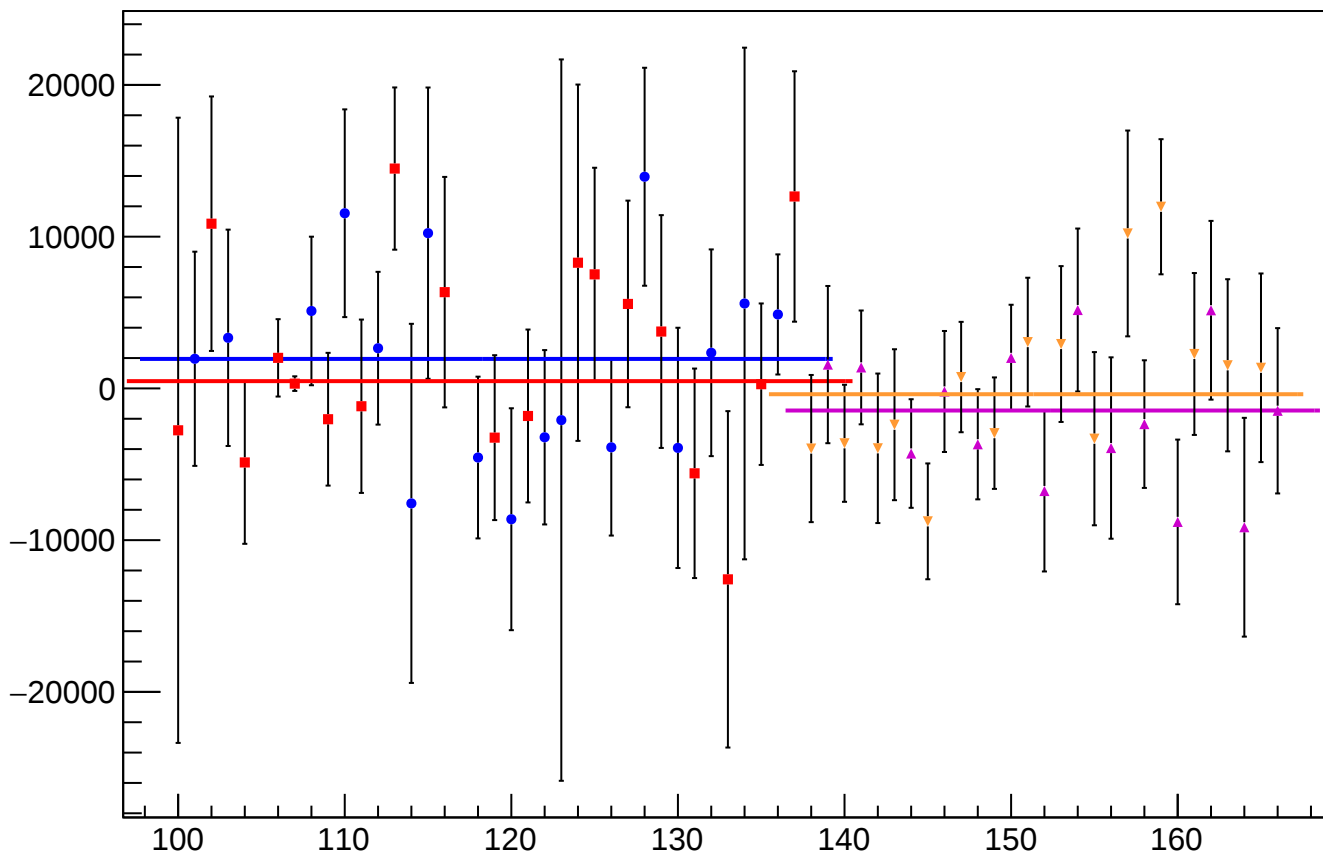
Right: 1904.057+/-0.369 χ^2/NDF : 634475.3/35

In: 1808.728+/-0.307 χ^2/NDF : 336196.8/30

Out: 1833.296+/-0.307 χ^2/NDF : 456422.1/33

All: 1821.047+/-0.217 χ^2/NDF : 795821.4/64

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -383.175+/-1196.749 χ^2/NDF : 19.2/14

Right Out: 478.828+/-453.684 χ^2/NDF : 18.1/18

Left In: -1456.752+/-1215.066 χ^2/NDF : 10.0/13

Left: -911.810+/-852.632 χ^2/NDF : 29.6/28

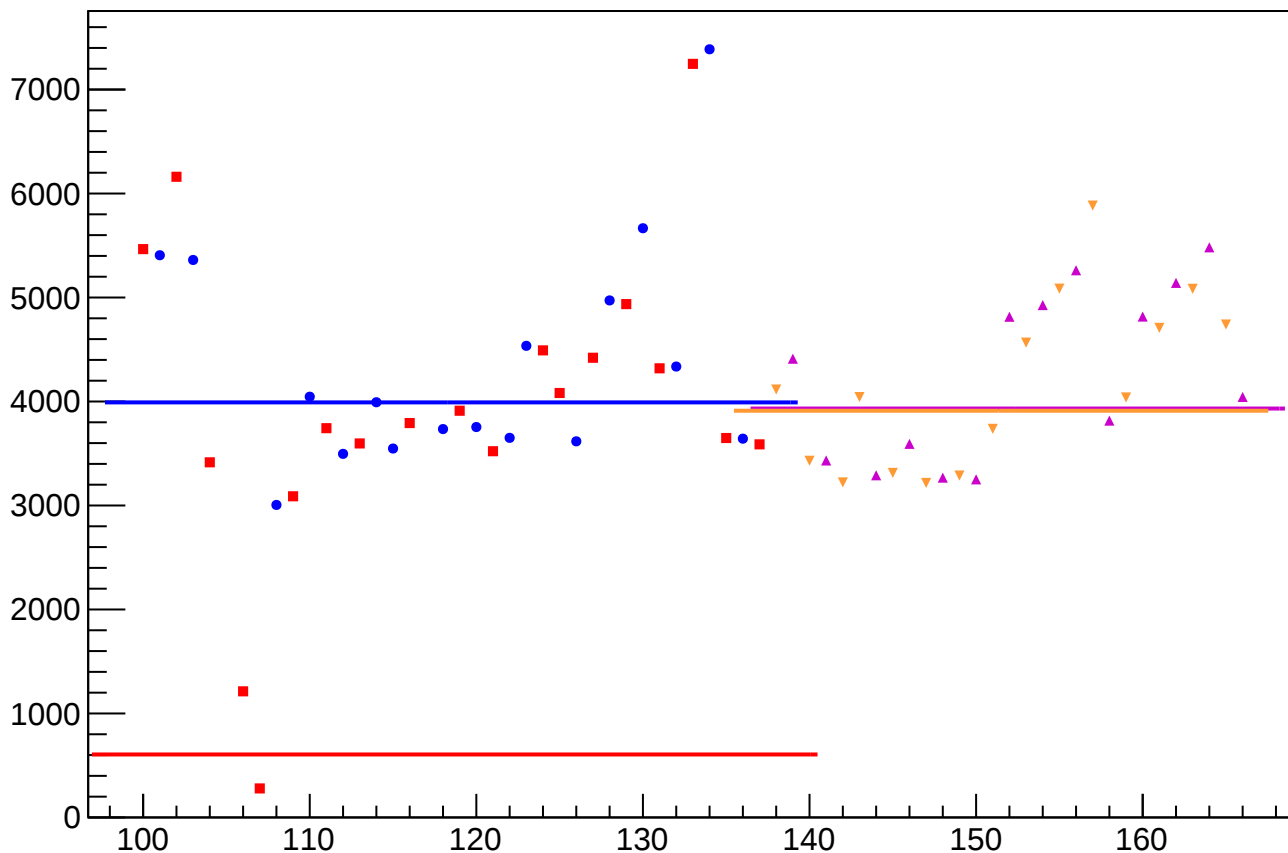
Right: 590.230+/-436.086 χ^2/NDF : 32.0/35

In: -194.319+/-963.424 χ^2/NDF : 26.1/30

Out: 370.512+/-424.224 χ^2/NDF : 37.8/33

All: 278.783+/-388.251 χ^2/NDF : 64.1/64

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



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: 3932.315+/-0.859 χ^2/NDF : 729435.2/13

Left: 3921.618+/-0.603 χ^2/NDF : 1441731.1/28

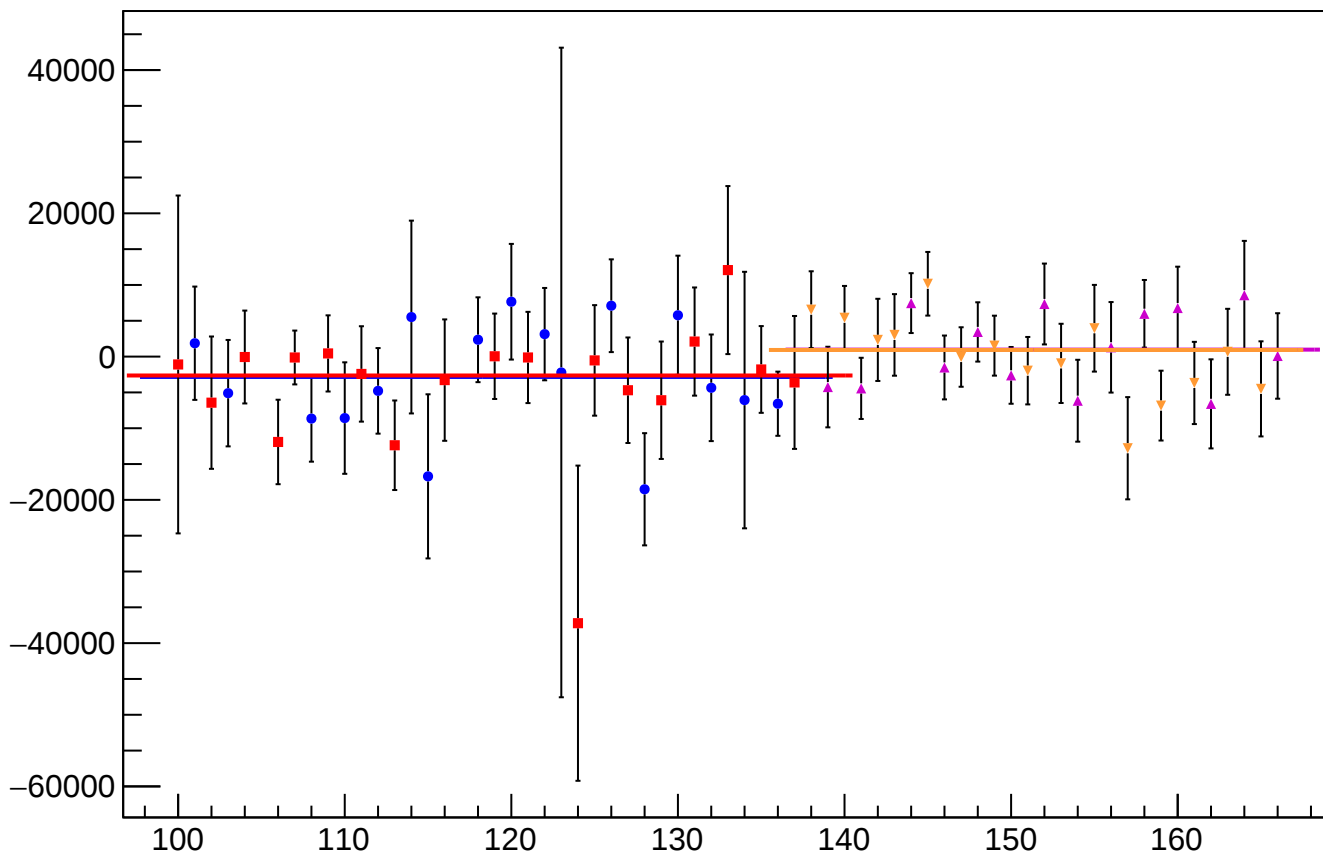
Right: 863.300+/-0.308 χ^2/NDF : 19230863.1/35

In: 3954.260+/-0.681 χ^2/NDF : 1241974.9/30

Out: 1021.089+/-0.300 χ^2/NDF : 24299406.4/33

All: 1497.441+/-0.275 χ^2/NDF : 41069023.5/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599 ± 1786.019 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 925.873 ± 1336.212 $\chi^2/\text{NDF}: 15.0/14$

Right Out: -2637.071 ± 1575.105 $\chi^2/\text{NDF}: 11.2/18$

Left In: 973.219 ± 1349.176 $\chi^2/\text{NDF}: 13.8/13$

Left: 949.317 ± 949.395 $\chi^2/\text{NDF}: 28.9/28$

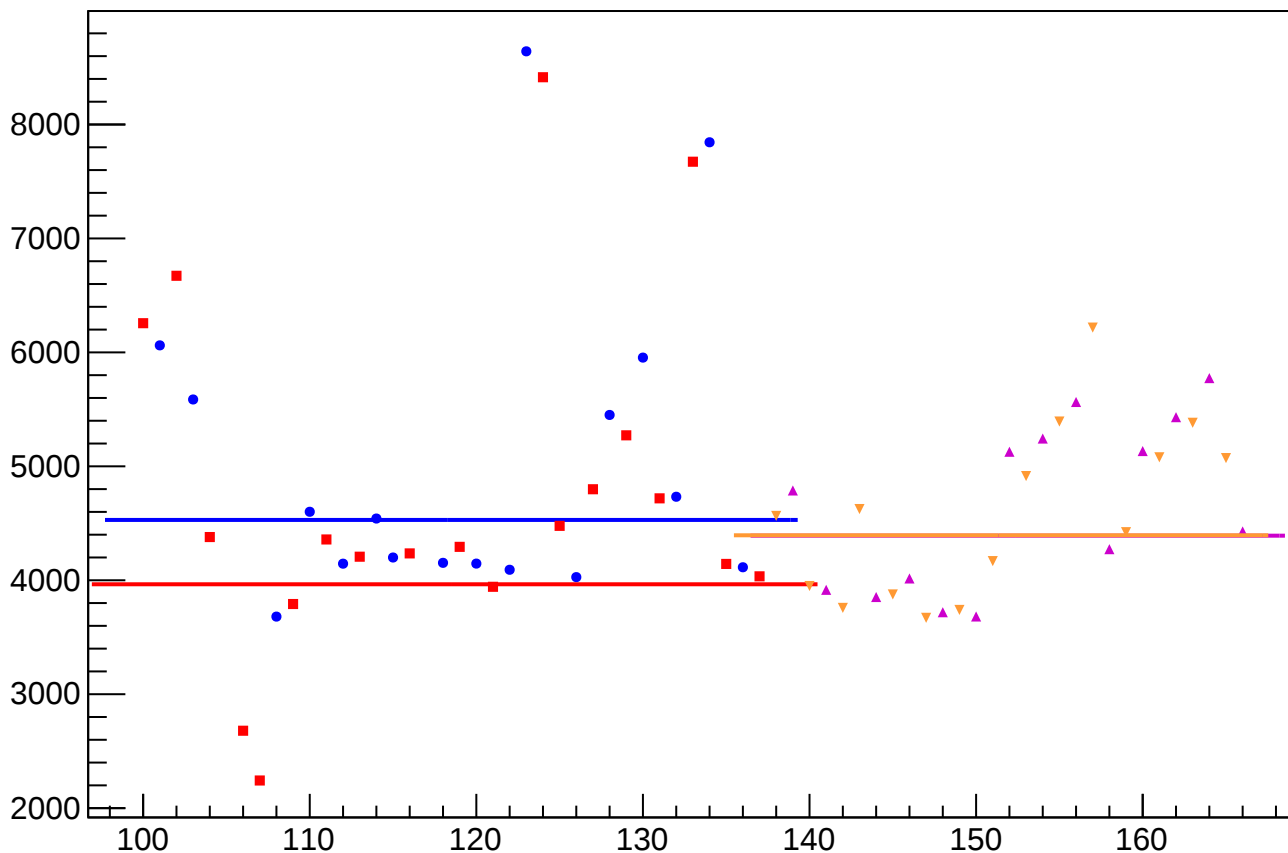
Right: -2725.676 ± 1181.334 $\chi^2/\text{NDF}: 26.6/35$

In: -412.048 ± 1076.539 $\chi^2/\text{NDF}: 32.2/30$

Out: -565.191 ± 1018.950 $\chi^2/\text{NDF}: 29.2/33$

All: -492.825 ± 740.029 $\chi^2/\text{NDF}: 61.3/64$

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4394.747+/-0.945 χ^2/NDF : 497983.2/14

Right Out: 3964.829+/-1.107 χ^2/NDF : 1140409.6/18

Left In: 4391.333+/-0.954 χ^2/NDF : 503303.1/13

Left: 4393.057+/-0.671 χ^2/NDF : 1001292.8/28

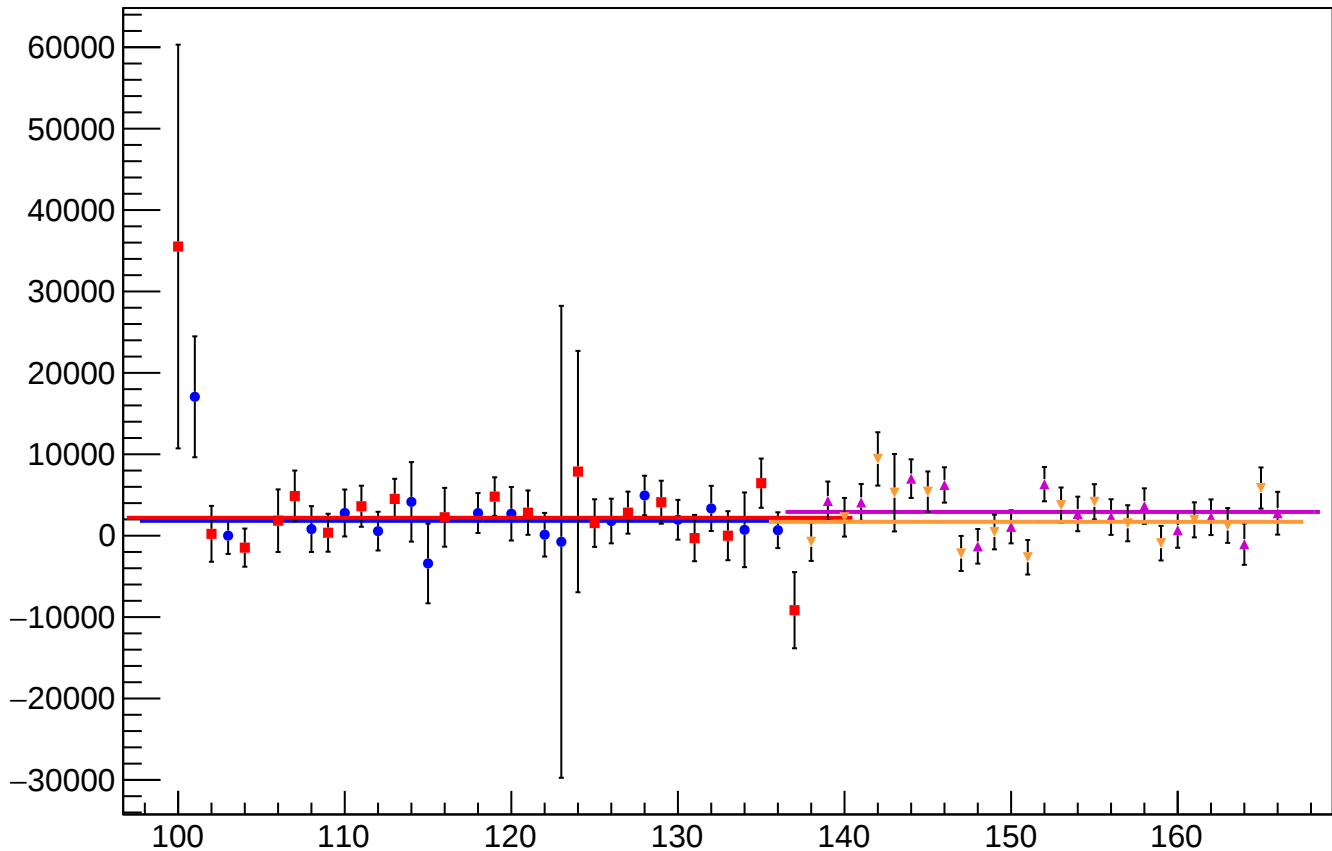
Right: 4210.073+/-0.832 χ^2/NDF : 1642804.6/35

In: 4441.518+/-0.761 χ^2/NDF : 900245.6/30

Out: 4213.487+/-0.719 χ^2/NDF : 1725683.5/33

All: 4320.934+/-0.523 χ^2/NDF : 2673380.6/64

reg_asym_atr12_avg_mean vs Slug, Sign Corrected



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1705.145+/-602.181 χ^2/NDF :23.7/14

Right Out: 2198.063+/-684.205 χ^2/NDF : 18.3/18

Left In: 2918.114+/-596.190 χ^2/NDF :17.1/13

Left: 2317.693+/-423.672 χ^2/NDF : 42.9/28

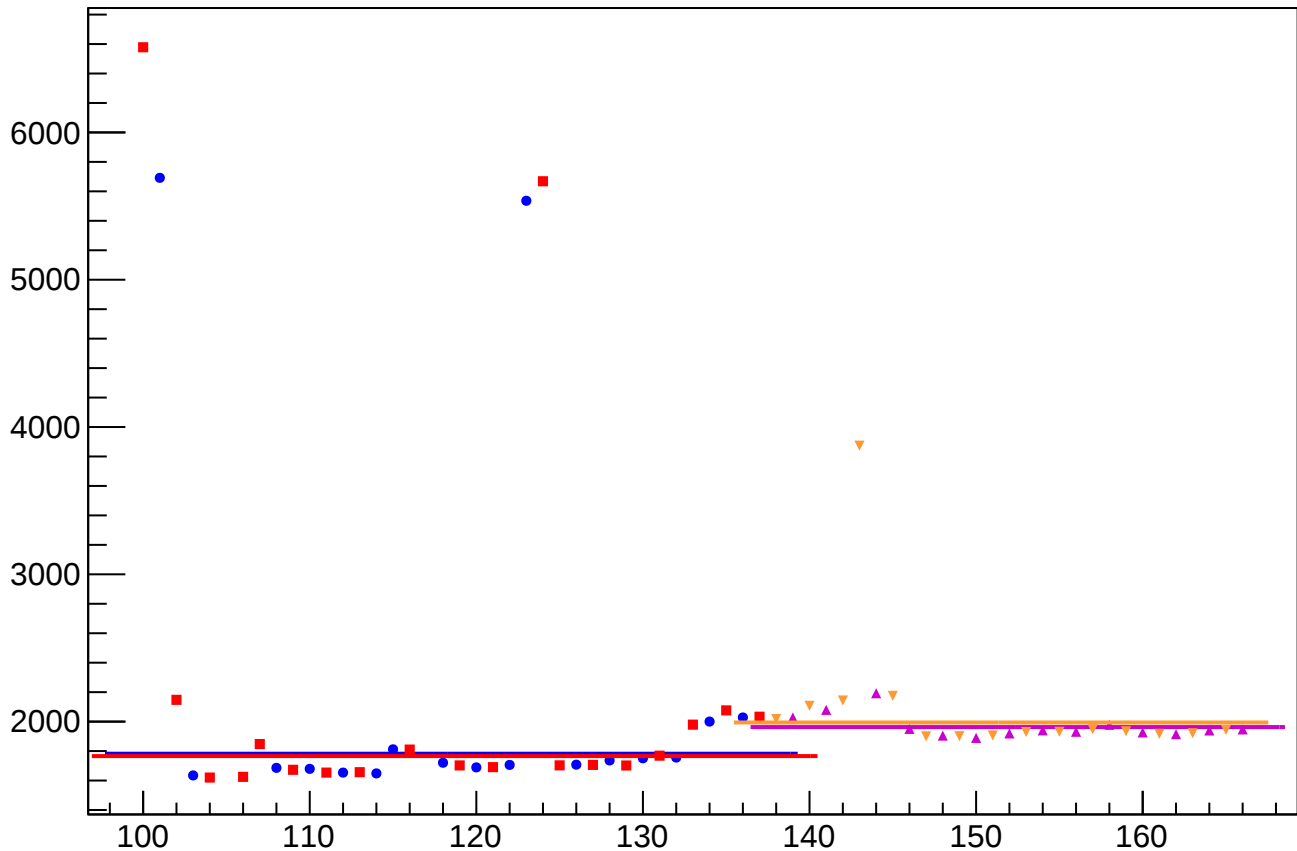
Right: 2021.233+/-493.118 χ^2/NDF : 28.2/35

In: 2469.184+/-456.927 χ^2/NDF :28.1/30

Out: 1920.301+/-452.039 χ^2/NDF :42.4/33

All: 2191.791+/-321.354 χ^2/NDF : 71.2/64

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 1994.123+/-0.426 χ^2/NDF : 354848.4/14

Right Out: 1765.967+/-0.480 χ^2/NDF : 306798.2/18

Left In: 1963.035+/-0.422 χ^2/NDF : 33065.7/13

Left: 1978.424+/-0.300 χ^2/NDF : 390605.9/28

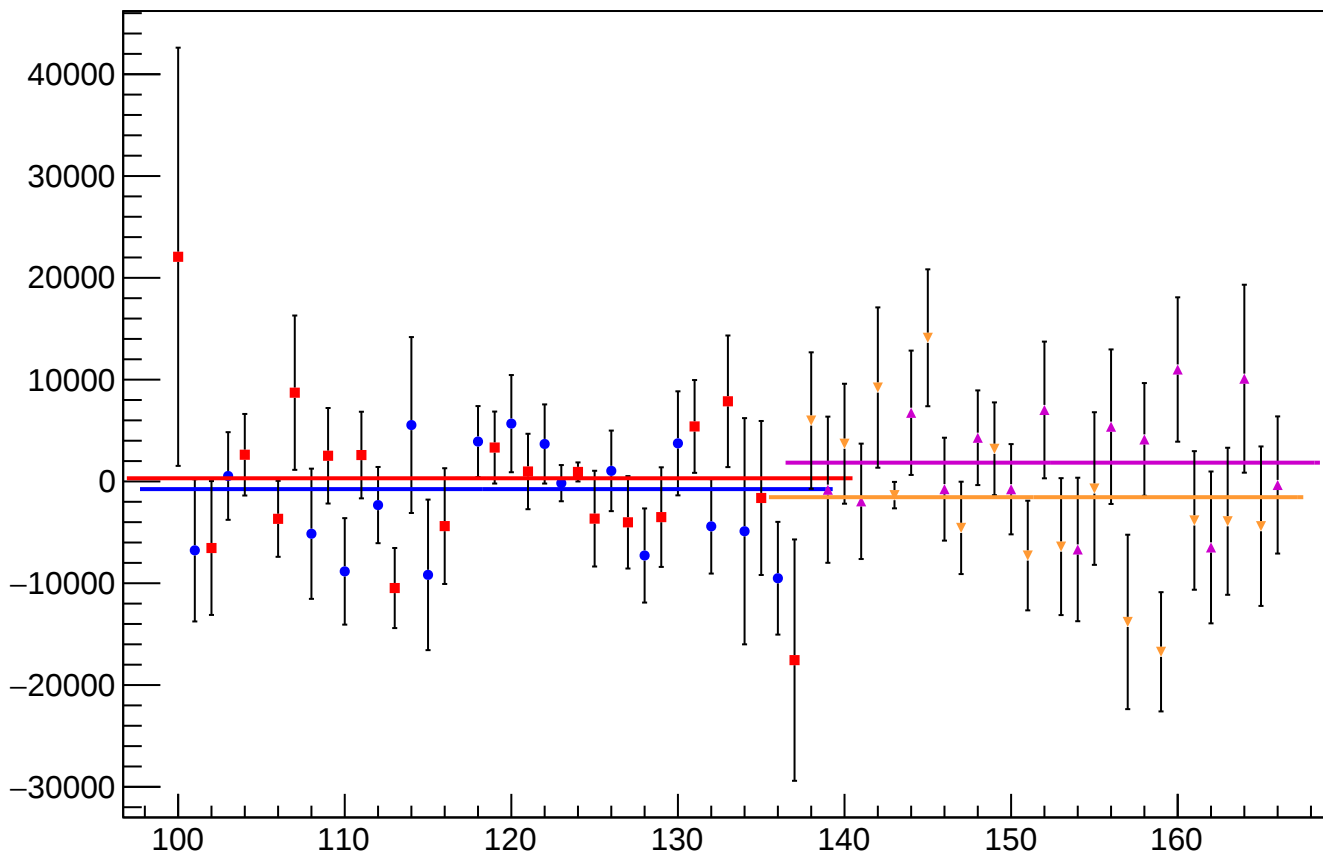
Right: 1773.682+/-0.347 χ^2/NDF : 952527.4/35

In: 1888.394+/-0.323 χ^2/NDF : 754230.0/30

Out: 1893.762+/-0.319 χ^2/NDF : 787937.4/33

All: 1891.115+/-0.227 χ^2/NDF : 1542307.4/64

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -1546.244+/-1024.445 χ^2/NDF : 21.7/14

Right Out: 311.405+/-725.132 χ^2/NDF : 22.0/18

Left In: 1844.180+/-1627.534 χ^2/NDF : 8.4/13

Left: -584.139+/-866.991 χ^2/NDF : 33.2/28

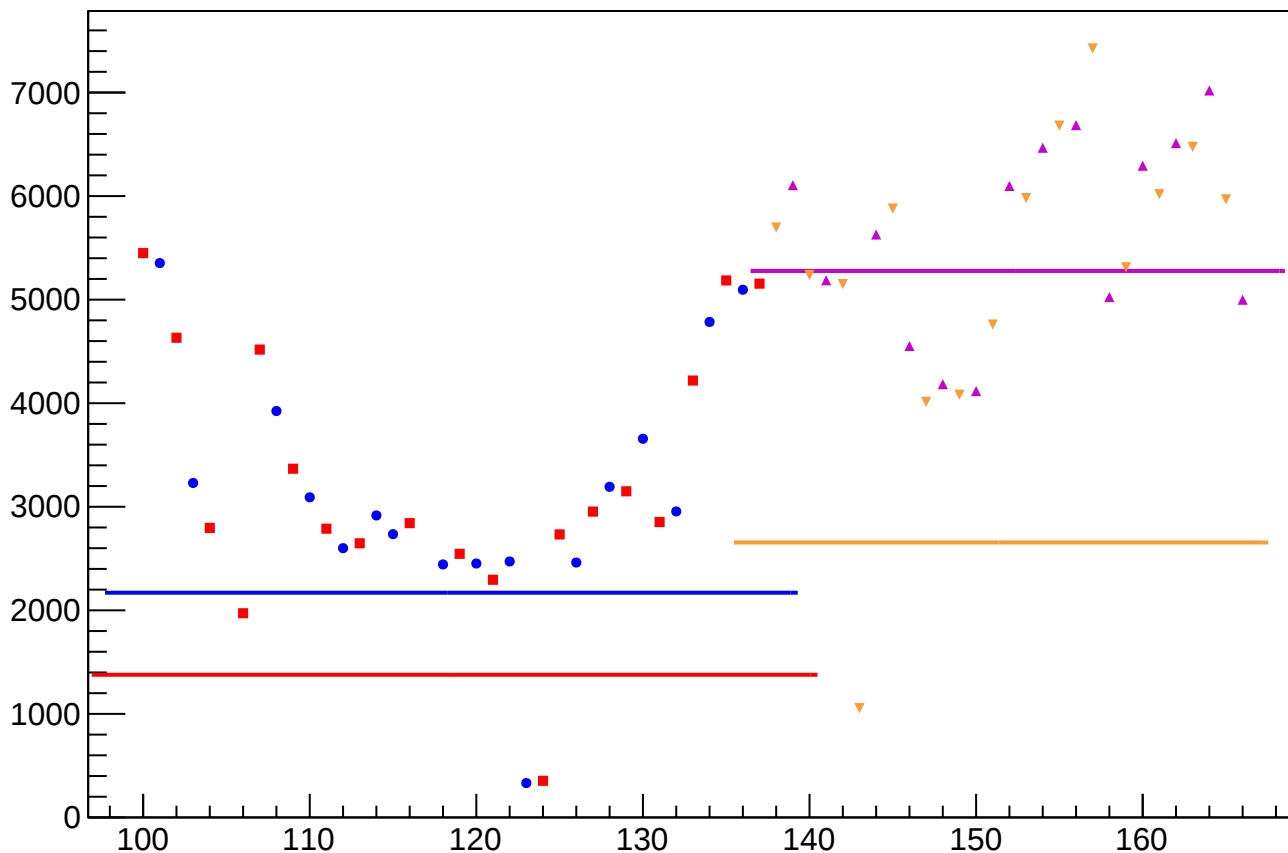
Right: -51.479+/-588.747 χ^2/NDF : 39.7/35

In: -32.728+/-857.276 χ^2/NDF : 27.2/30

Out: -308.654+/-591.866 χ^2/NDF : 45.9/33

All: -219.587+/-487.061 χ^2/NDF : 73.1/64

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 2655.430 $\pm$ 0.724 χ^2 /NDF: 8673637.1/14

Right Out: 1377.716 $\pm$ 0.513 χ^2 /NDF: 6847297.6/18

Left In: 5276.886 $\pm$ 1.151 χ^2 /NDF: 652604.6/13

Left: 3399.324 $\pm$ 0.613 χ^2 /NDF: 13042504.4/28

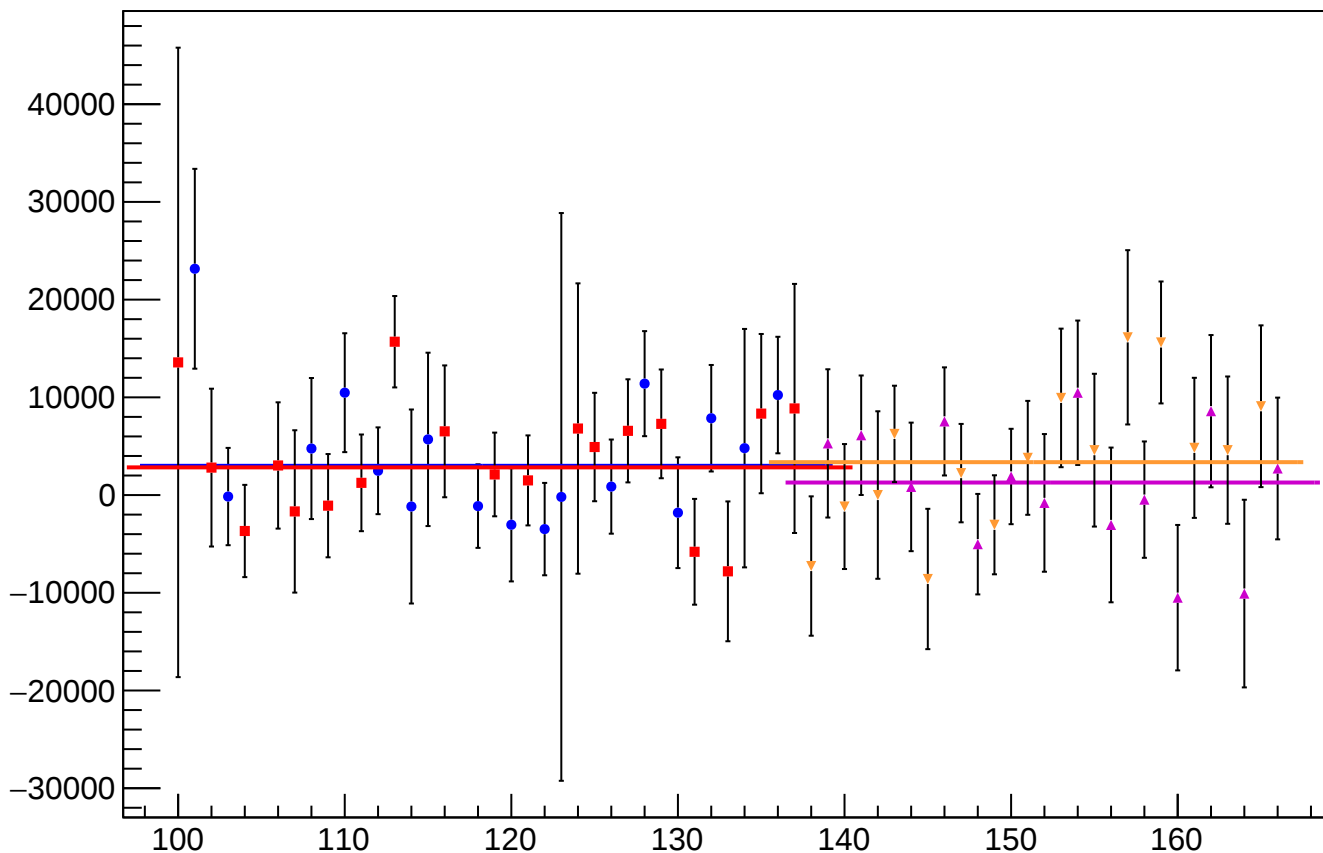
Right: 1647.801 $\pm$ 0.416 χ^2 /NDF: 11635181.2/35

In: 3032.172 $\pm$ 0.606 χ^2 /NDF: 9891617.4/30

Out: 1804.201 $\pm$ 0.419 χ^2 /NDF: 17593618.4/33

All: 2200.583 $\pm$ 0.344 χ^2 /NDF: 30264219.4/66

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 1282.486 $\pm$ 1749.396 χ^2 /NDF:10.6/13

Left: 2364.094 $\pm$ 1213.597 χ^2 /NDF: 26.3/28

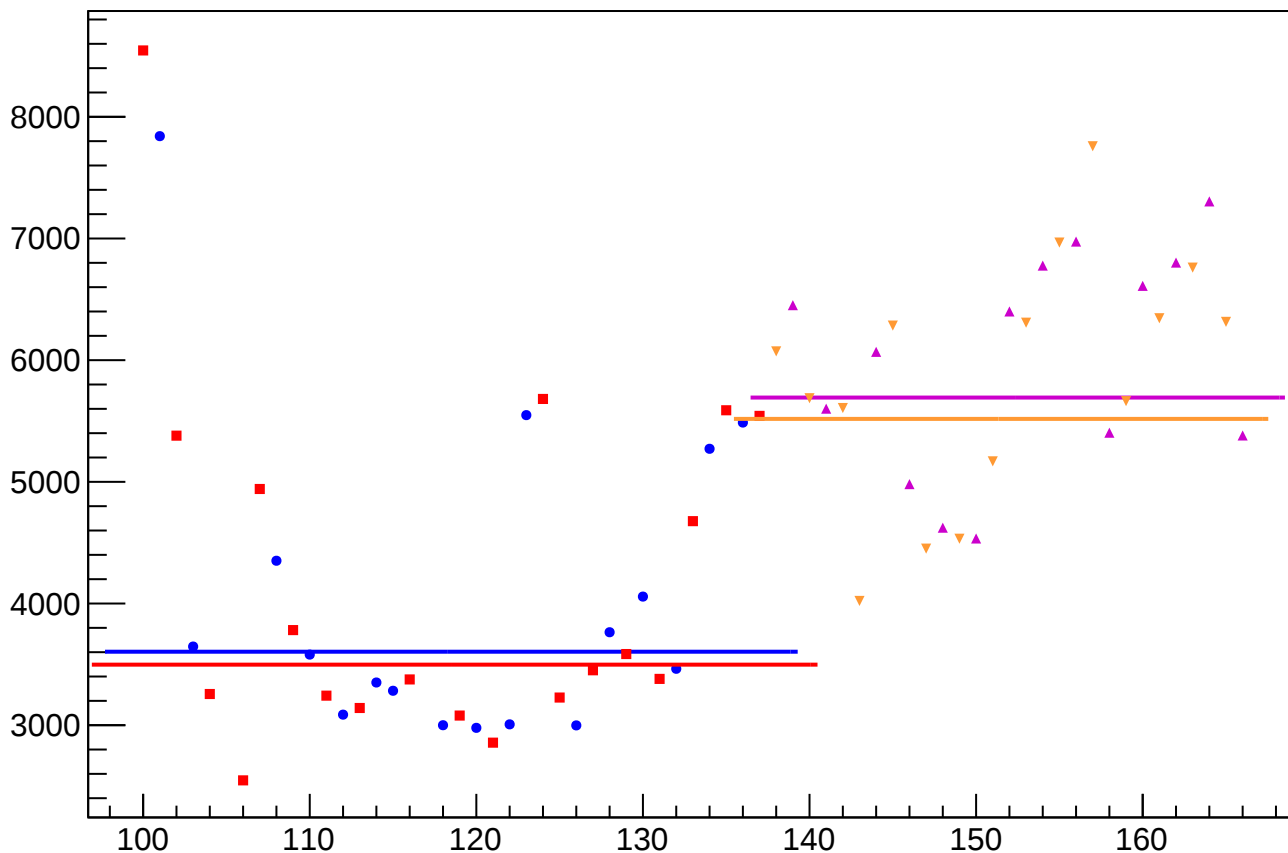
Right: 2909.269 $\pm$ 998.385 χ^2 /NDF: 33.4/35

In: 2297.896 $\pm$ 1115.100 χ^2 /NDF:26.8/30

Out: 3047.673 $\pm$ 1067.222 χ^2 /NDF:32.8/33

All: 2689.226 $\pm$ 771.010 χ^2 /NDF: 59.8/64

asym_atr1l2_avg_rms vs Slug, Sign Corrected



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: 5692.698+/-1.237 χ^2/NDF : 510748.3/13

Left: 5601.774+/-0.858 χ^2/NDF : 1234621.6/28

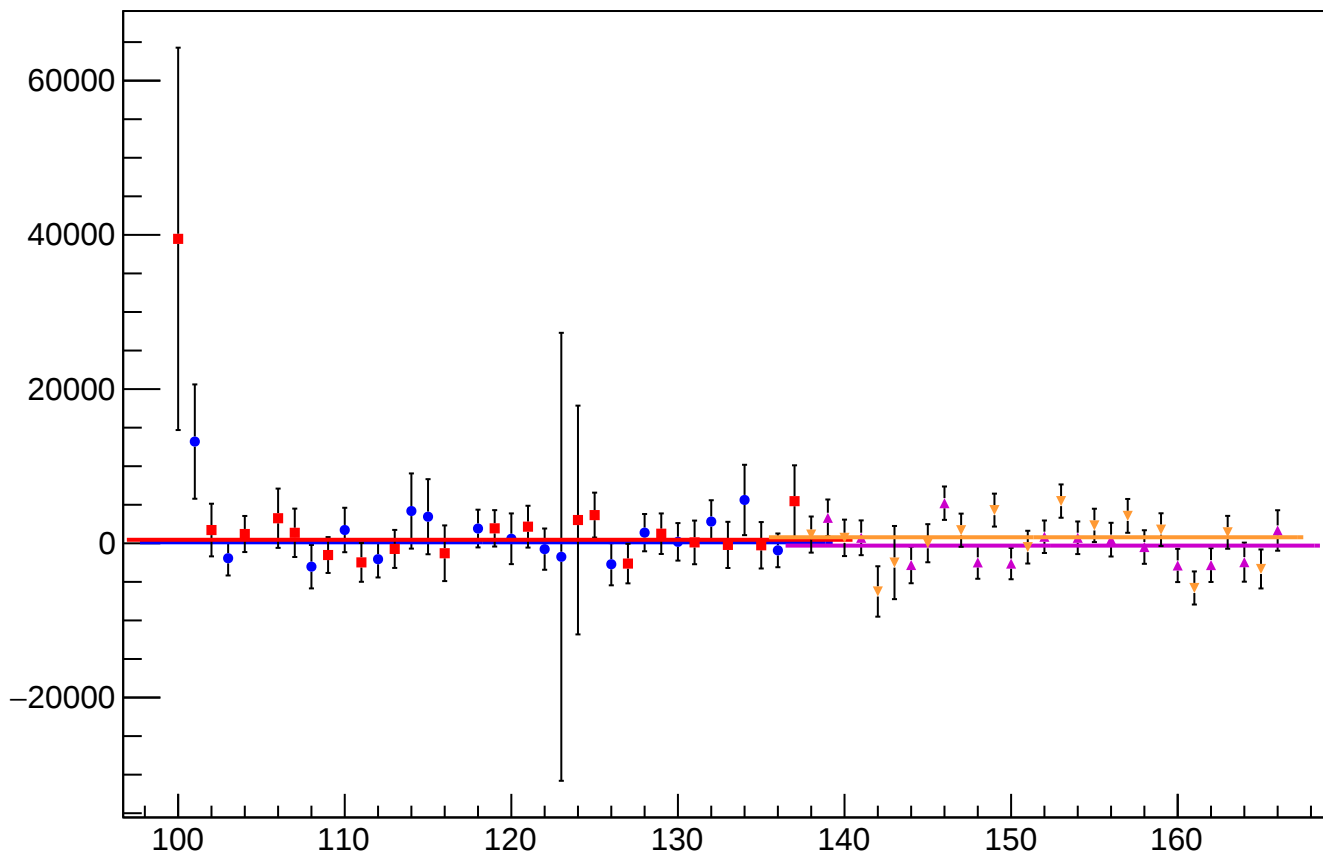
Right: 3547.455+/-0.701 χ^2/NDF : 1452308.2/35

In: 4452.598+/-0.788 χ^2/NDF : 2988202.1/30

Out: 4294.318+/-0.748 χ^2/NDF : 3115628.9/33

All: 4369.322+/-0.543 χ^2/NDF : 6125031.8/64

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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: -297.691 $\pm$ 595.186 χ^2 /NDF:17.1/13

Left: 239.744 $\pm$ 422.800 χ^2 /NDF: 46.4/28

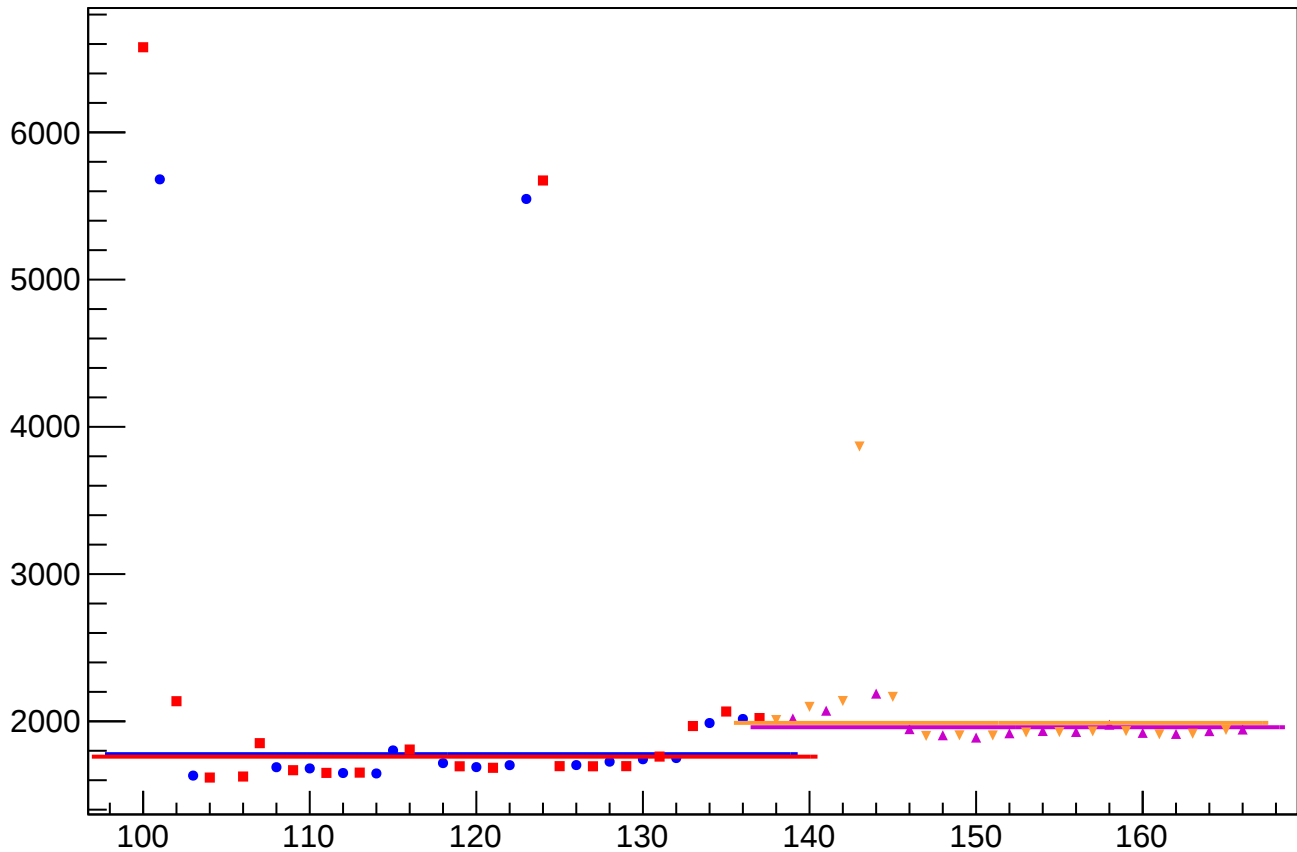
Right: 301.426 $\pm$ 491.524 χ^2 /NDF: 23.0/35

In: -120.570 $\pm$ 455.910 χ^2 /NDF:29.5/30

Out: 643.796 $\pm$ 450.735 χ^2 /NDF:38.5/33

All: 265.975 $\pm$ 320.532 χ^2 /NDF: 69.4/64

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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: 1959.799+/-0.421 χ^2/NDF : 31955.6/13

Left: 1974.459+/-0.299 χ^2/NDF : 387918.0/28

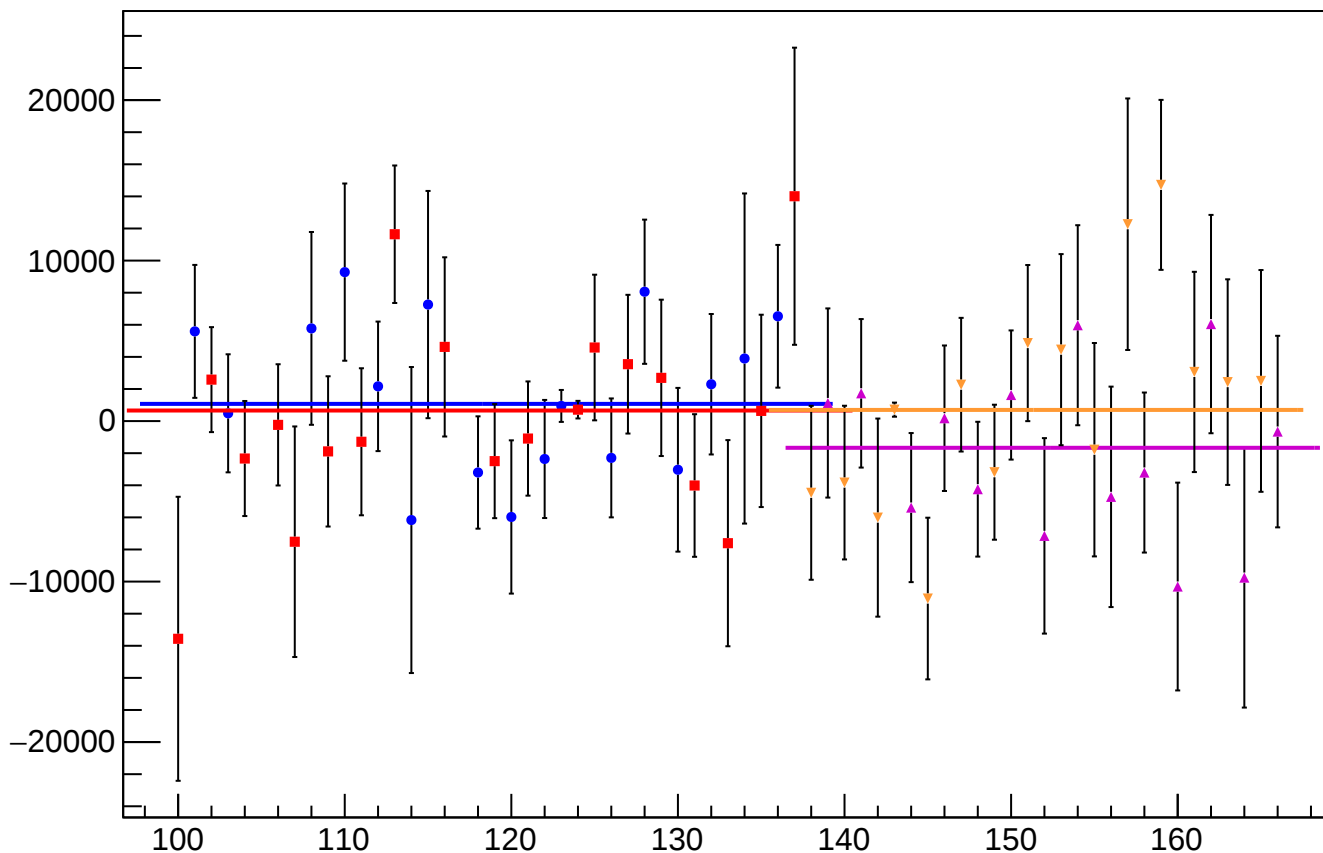
Right: 1768.045+/-0.346 χ^2/NDF : 950324.7/35

In: 1884.207+/-0.322 χ^2/NDF : 753598.0/30

Out: 1888.374+/-0.318 χ^2/NDF : 788107.2/33

All: 1886.321+/-0.226 χ^2/NDF : 1541790.0/64

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 695.525+/-420.156 χ^2/NDF : 20.2/14

Right Out: 658.759+/-488.034 χ^2/NDF : 19.8/18

Left In: -1664.211+/-1425.769 χ^2/NDF : 9.3/13

Left: 506.978+/-403.021 χ^2/NDF : 32.0/28

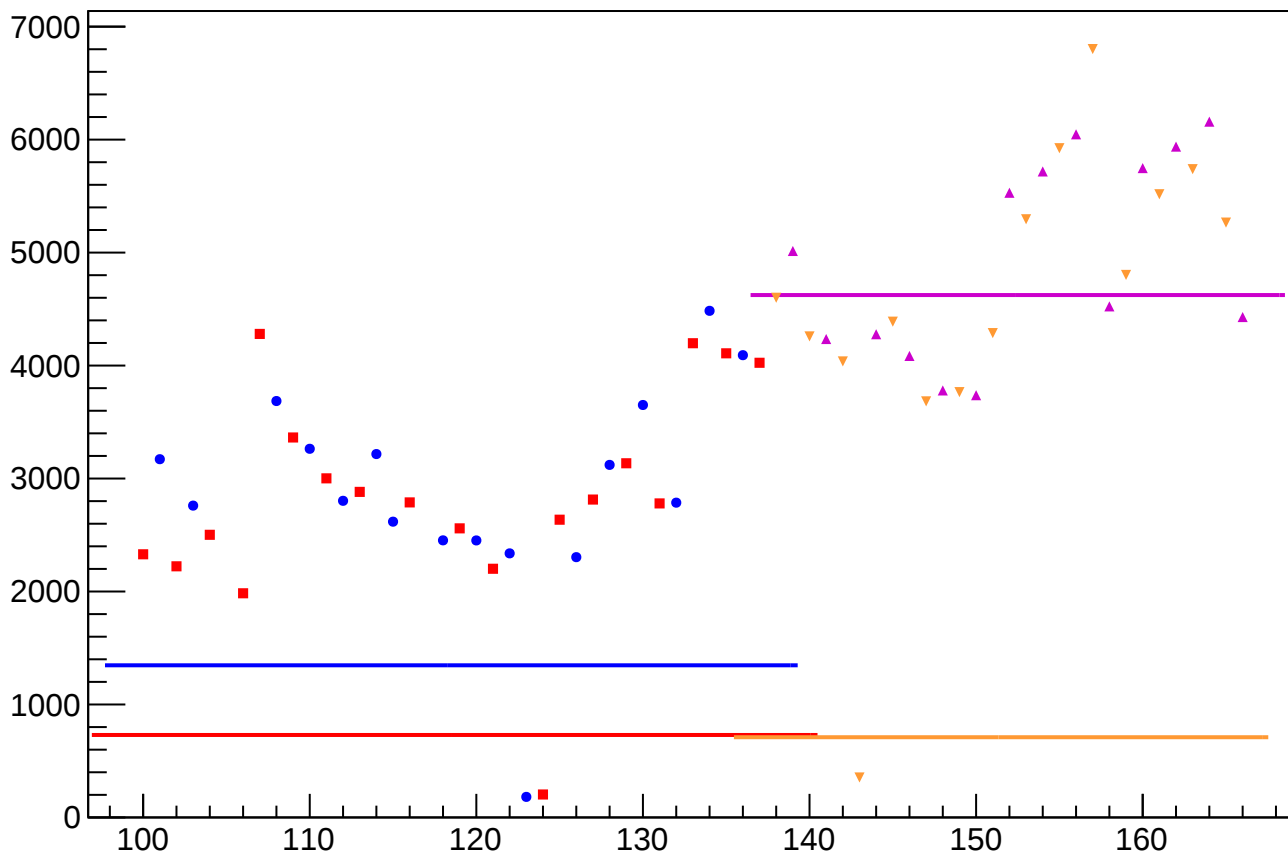
Right: 781.219+/-409.424 χ^2/NDF : 35.6/35

In: 476.290+/-665.345 χ^2/NDF : 27.8/30

Out: 679.875+/-318.412 χ^2/NDF : 40.0/33

All: 641.937+/-287.216 χ^2/NDF : 67.8/64

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 710.107 $\pm$ 0.297 χ^2 /NDF:16358860.5/14

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

Left In: 4624.207 $\pm$ 1.008 χ^2 /NDF:641641.6/13

Left: 1022.851 $\pm$ 0.285 χ^2 /NDF: 30869006.1/28

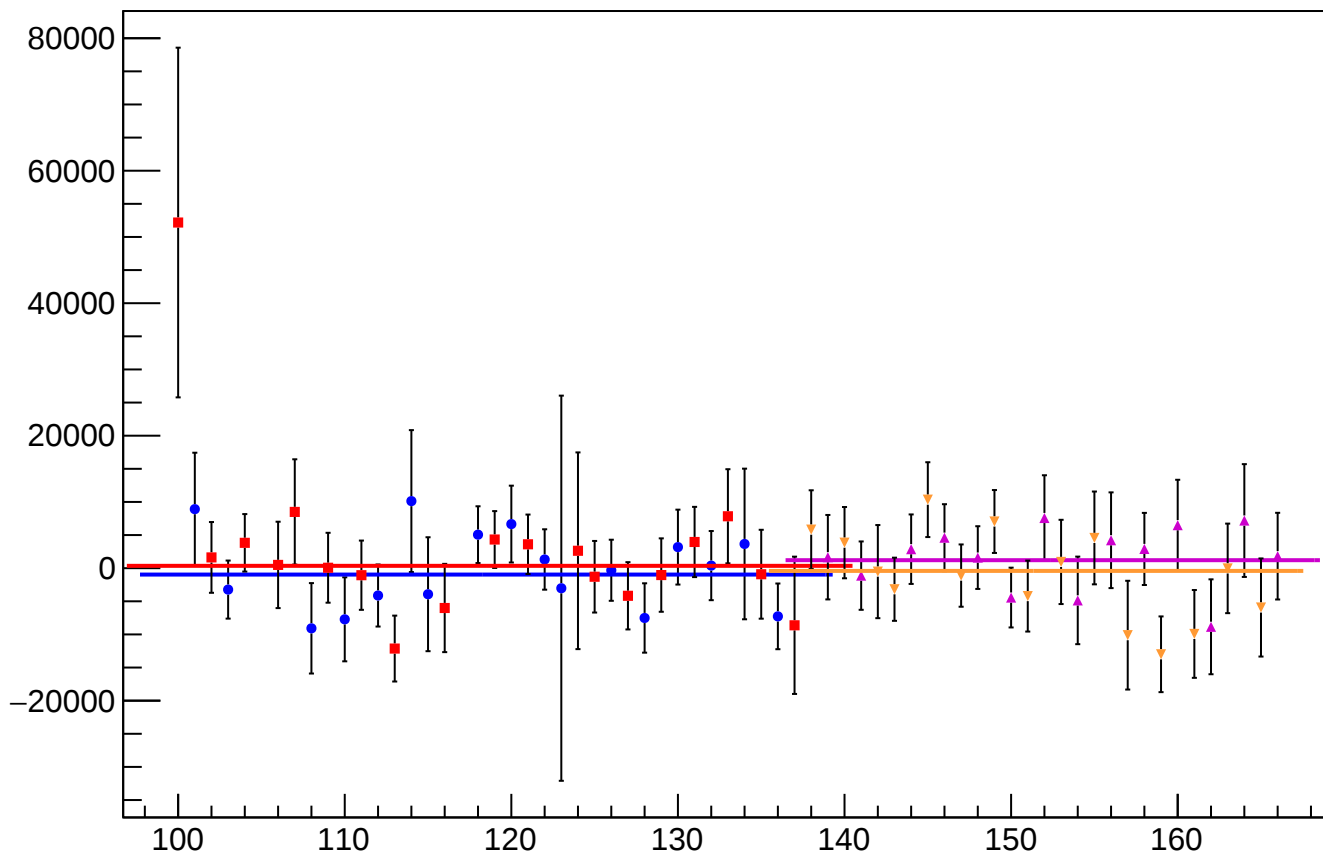
Right: 912.792 $\pm$ 0.290 χ^2 /NDF: 17288237.9/35

In: 2060.545 $\pm$ 0.470 χ^2 /NDF:15747182.8/30

Out: 718.626 $\pm$ 0.225 χ^2 /NDF:25863919.2/33

All: 968.689 $\pm$ 0.203 χ^2 /NDF: 48230643.1/64

asym_atr1l2_dd_mean vs Slug, Sign Corrected



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: 1205.927+/-1563.293 χ^2/NDF : 7.5/13

Left: 371.450+/-1087.446 χ^2/NDF : 26.1/28

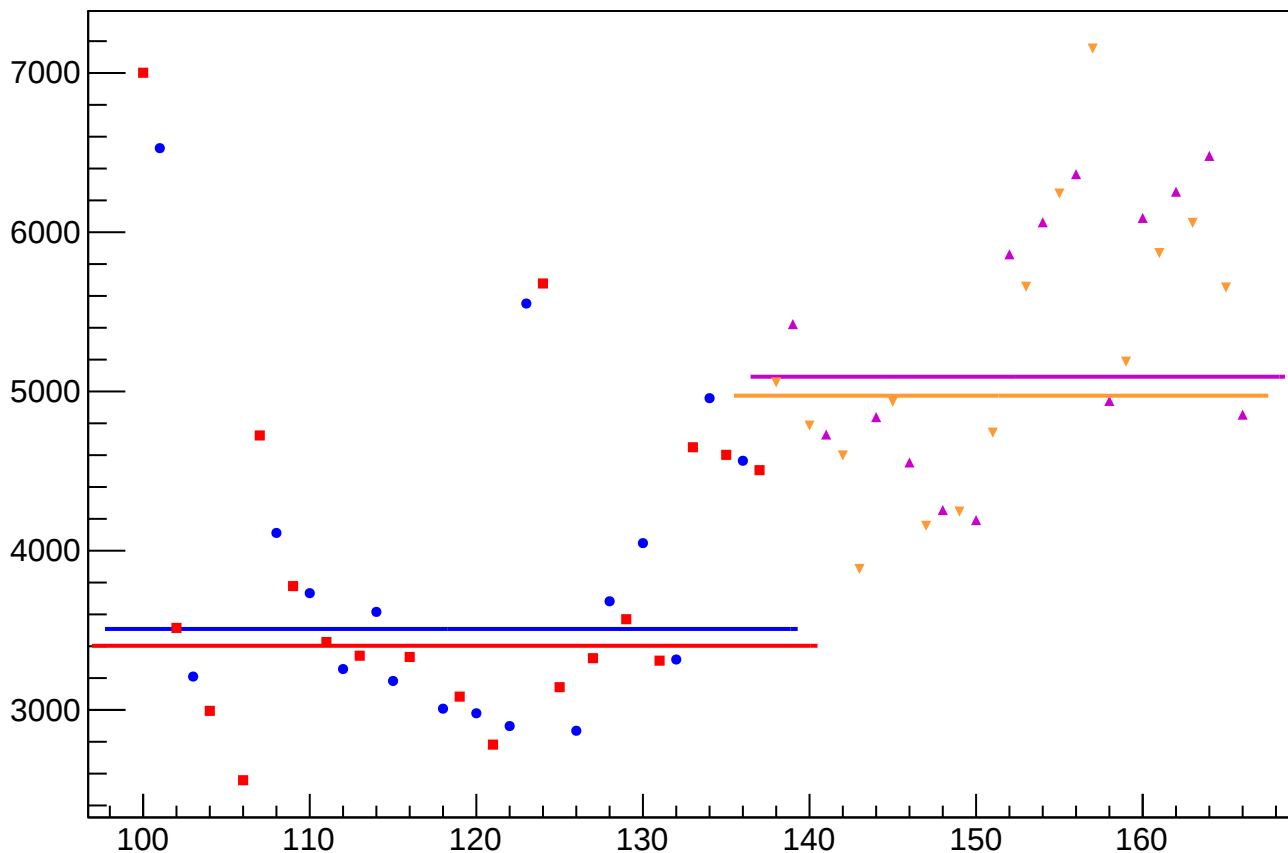
Right: -272.899+/-962.726 χ^2/NDF : 31.8/35

In: -1.686+/-1041.107 χ^2/NDF : 22.3/30

Out: 21.186+/-999.011 χ^2/NDF : 35.9/33

All: 10.222+/-720.830 χ^2/NDF : 58.2/64

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 $\pm$ 0.987 χ^2 /NDF: 562197.7/16

Left Out: 4973.487 $\pm$ 1.070 χ^2 /NDF: 561724.9/14

Right Out: 3402.883 $\pm$ 0.928 χ^2 /NDF: 428556.1/18

Left In: 5092.607 $\pm$ 1.105 χ^2 /NDF: 470556.2/13

Left: 5031.126 $\pm$ 0.769 χ^2 /NDF: 1038274.5/28

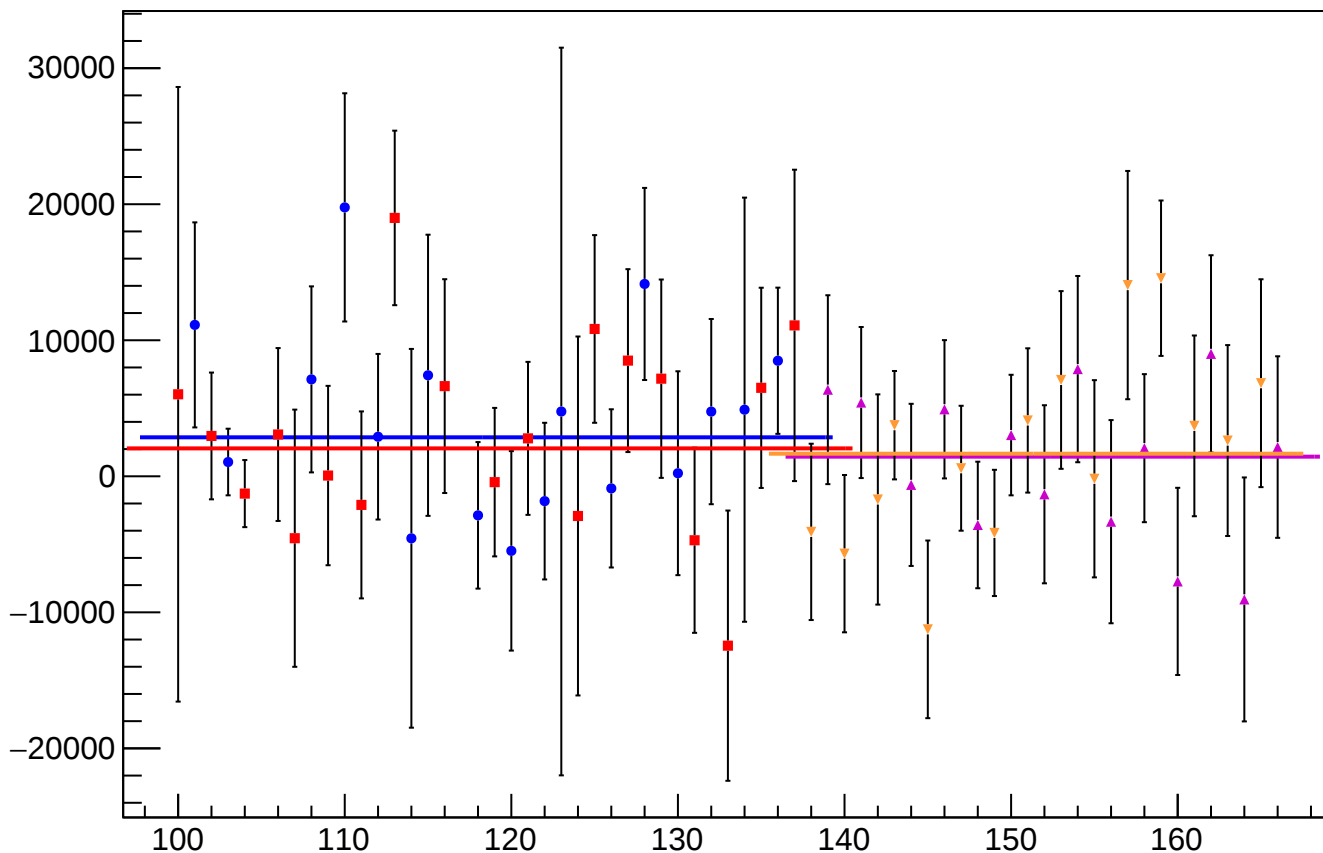
Right: 3452.447 $\pm$ 0.676 χ^2 /NDF: 996829.8/35

In: 4211.063 $\pm$ 0.736 χ^2 /NDF: 2175584.8/30

Out: 4076.981 $\pm$ 0.701 χ^2 /NDF: 2219384.9/33

All: 4140.762 $\pm$ 0.508 χ^2 /NDF: 4412362.9/64

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 1660.712+/-1518.322 χ^2/NDF : 17.2/14

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 1443.350+/-1604.099 χ^2/NDF : 8.6/13

Left: 1557.998+/-1102.694 χ^2/NDF : 25.9/28

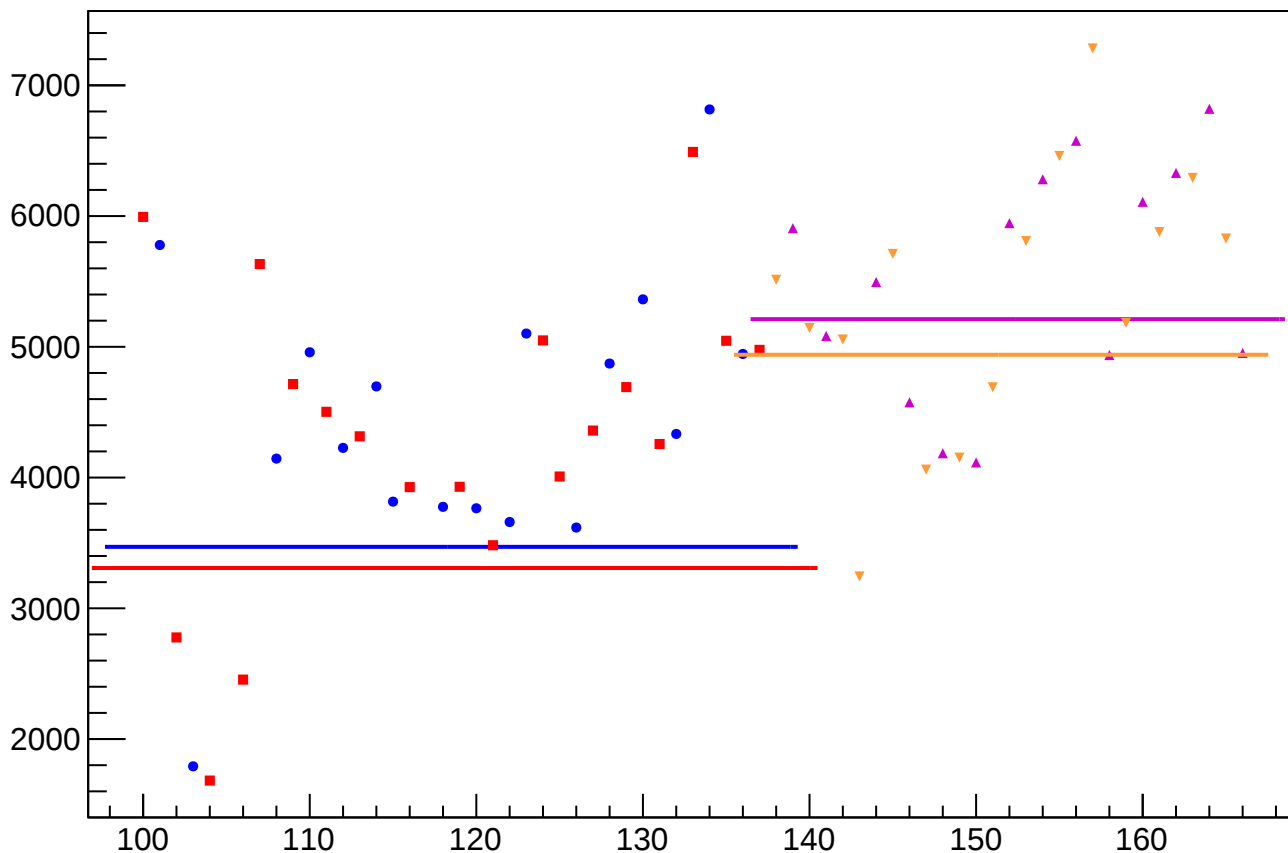
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2224.309+/-1076.753 χ^2/NDF : 23.1/30

Out: 1874.335+/-1021.854 χ^2/NDF : 34.9/33

All: 2040.173+/-741.208 χ^2/NDF : 58.1/64

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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: 5211.674+/-1.134 χ^2/NDF : 571518.1/13

Left: 5067.974+/-0.780 χ^2/NDF : 1570131.2/28

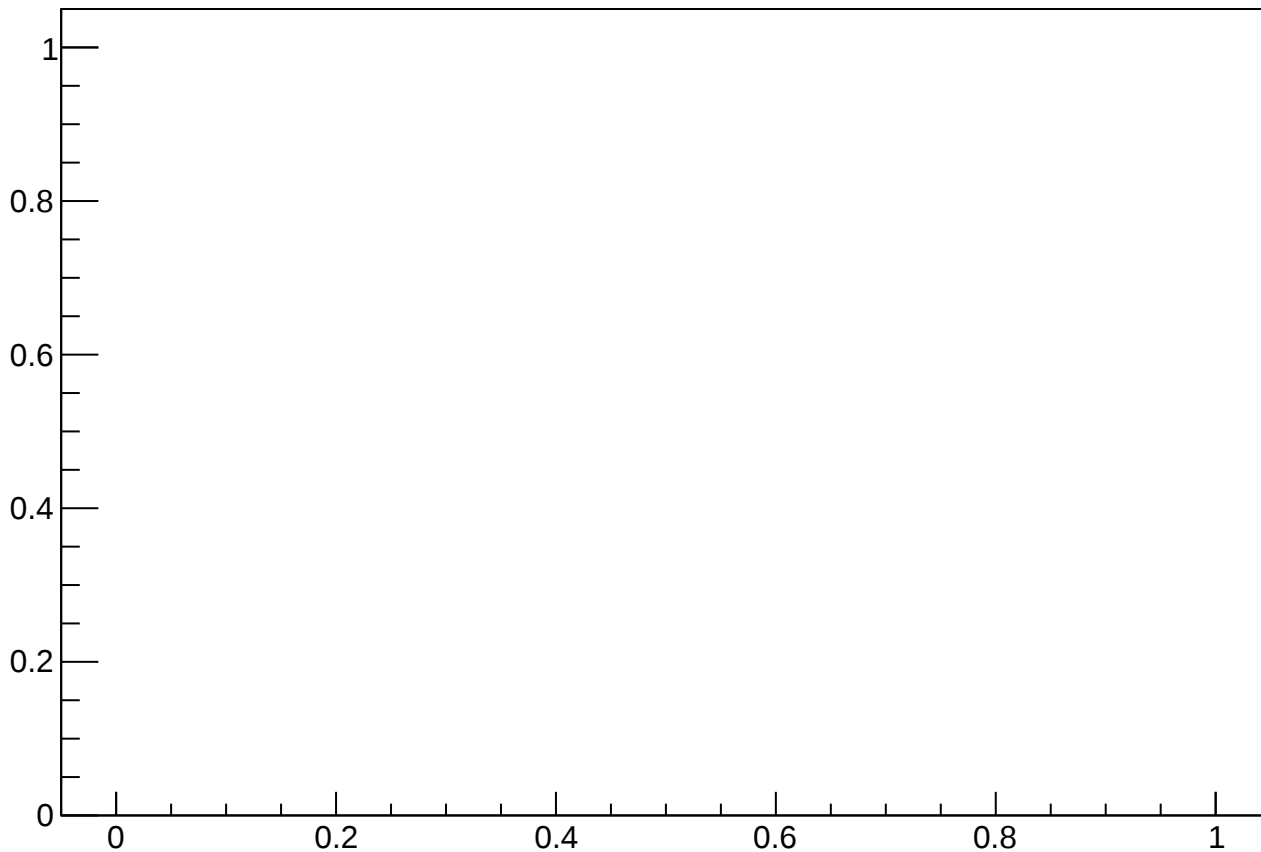
Right: 3384.349+/-0.704 χ^2/NDF : 3684784.1/35

In: 4254.762+/-0.761 χ^2/NDF : 3627754.8/30

Out: 4039.586+/-0.719 χ^2/NDF : 4151952.6/33

All: 4141.010+/-0.523 χ^2/NDF : 7821931.9/64

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

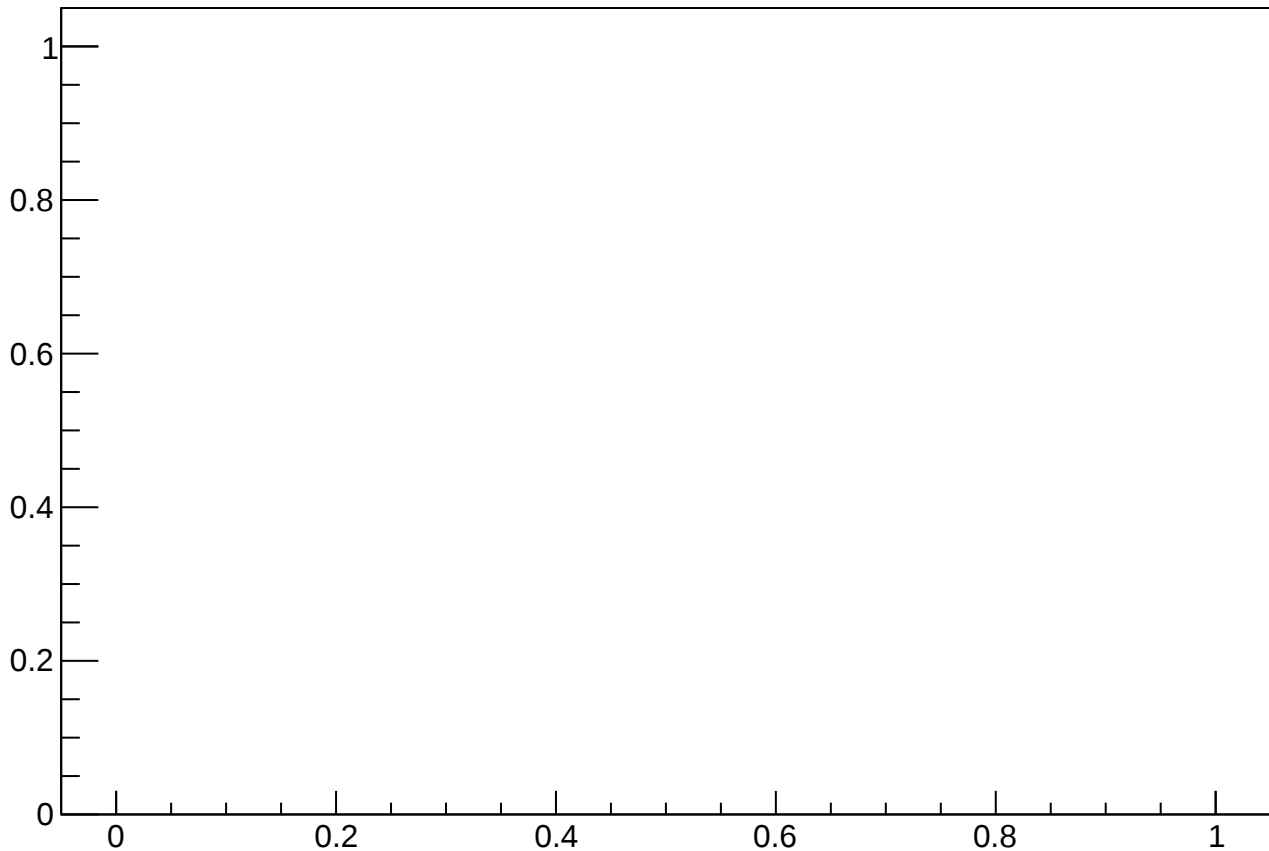
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

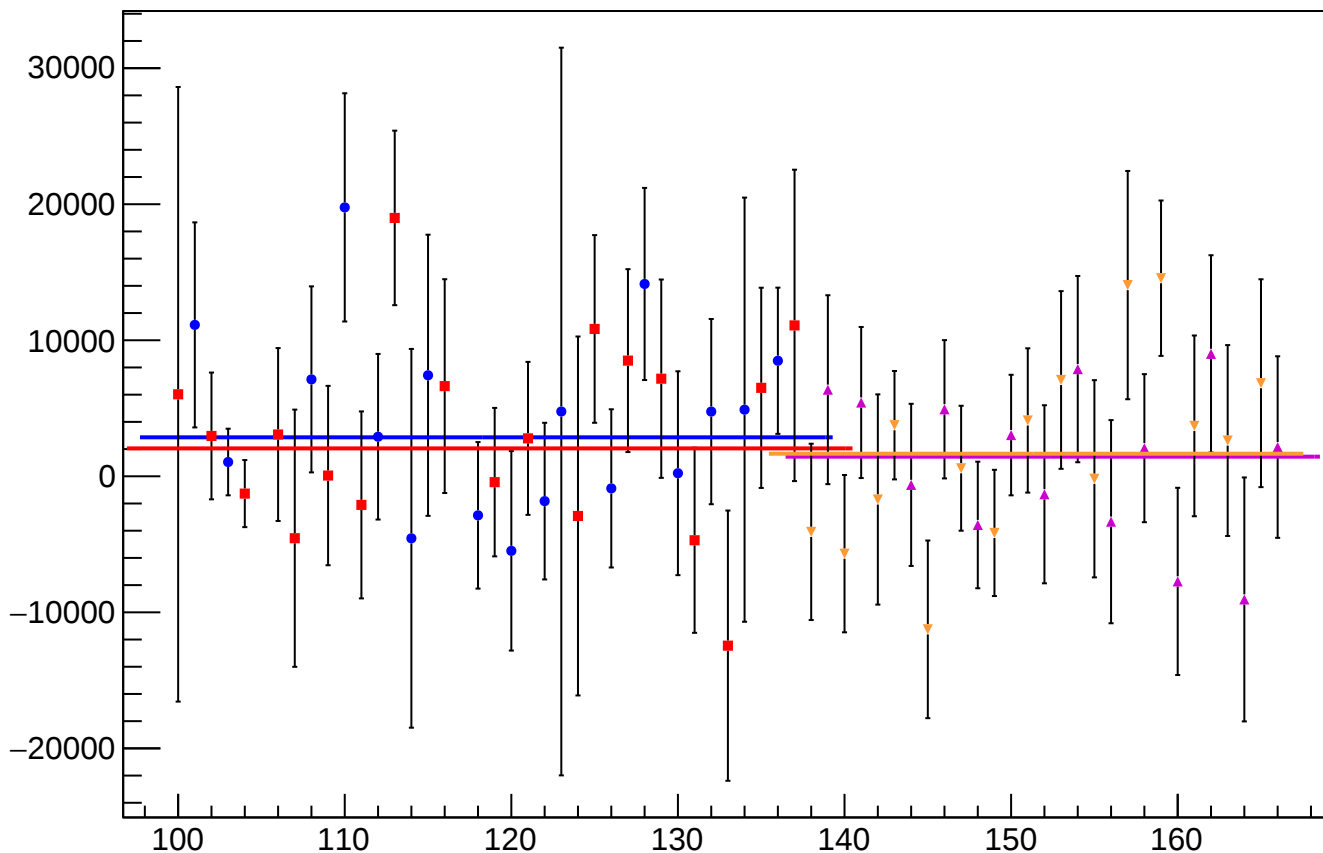
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: 1660.712 $\pm$ 1518.322 χ^2 /NDF: 17.2/14

Right Out: 2051.211 $\pm$ 1381.577 χ^2 /NDF: 17.7/18

Left In: 1443.350 $\pm$ 1604.099 χ^2 /NDF: 8.6/13

Left: 1557.998 $\pm$ 1102.694 χ^2 /NDF: 25.9/28

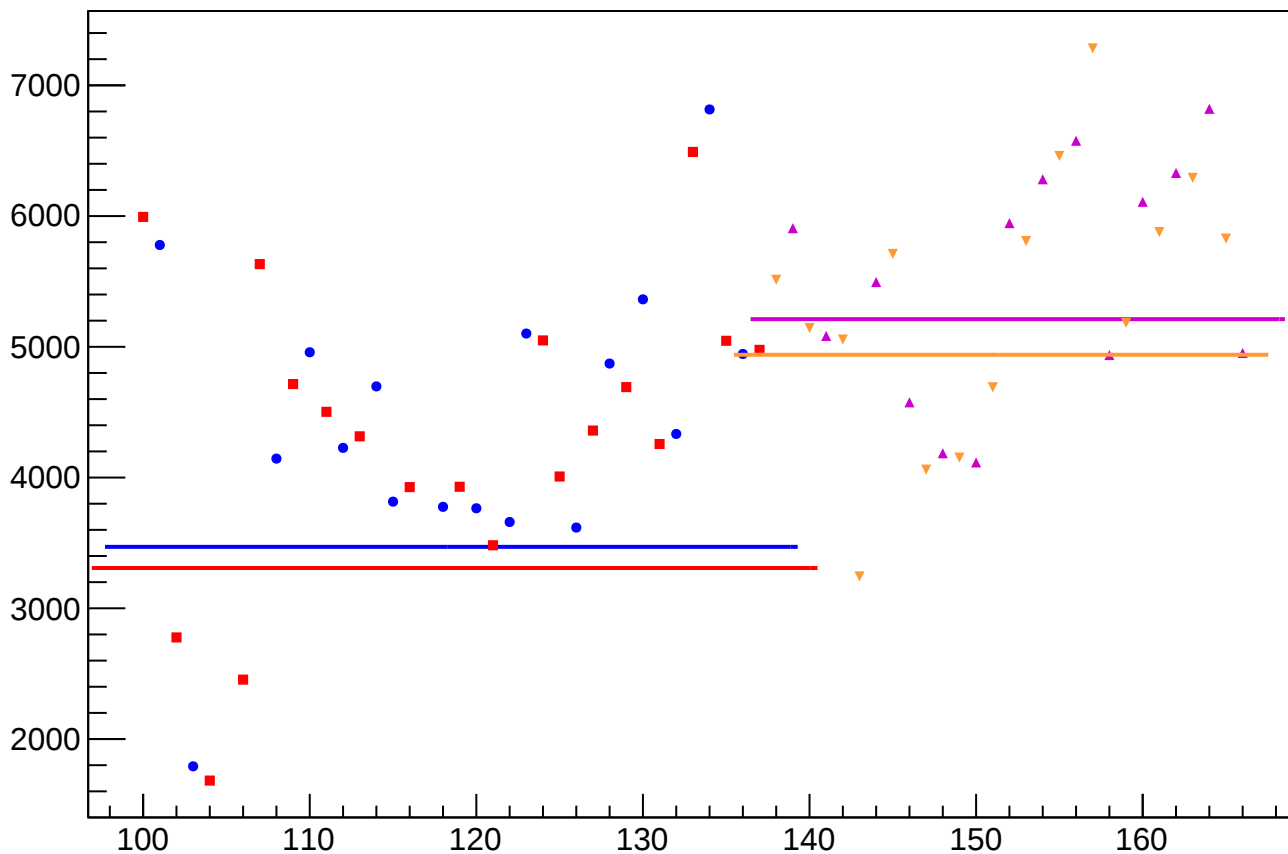
Right: 2437.600 $\pm$ 1001.108 χ^2 /NDF: 31.9/35

In: 2224.309 $\pm$ 1076.753 χ^2 /NDF: 23.1/30

Out: 1874.335 $\pm$ 1021.854 χ^2 /NDF: 34.9/33

All: 2040.173 $\pm$ 741.208 χ^2 /NDF: 58.1/64

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 4939.231 $\pm$ 1.074 χ^2 /NDF: 968183.2/14

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5211.674 $\pm$ 1.134 χ^2 /NDF: 571518.1/13

Left: 5067.974 $\pm$ 0.780 χ^2 /NDF: 1570131.2/28

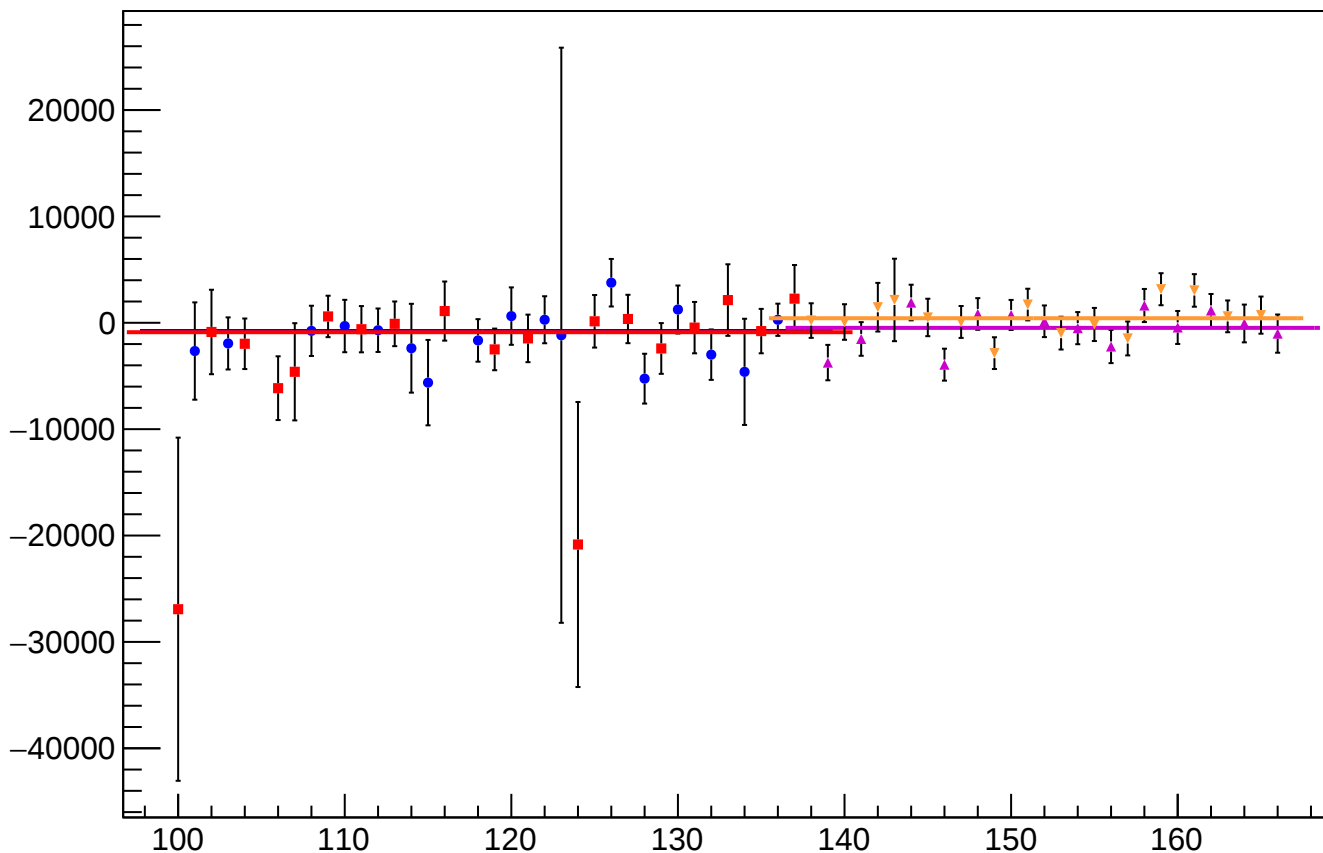
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4254.762 $\pm$ 0.761 χ^2 /NDF: 3627754.8/30

Out: 4039.586 $\pm$ 0.719 χ^2 /NDF: 4151952.6/33

All: 4141.010 $\pm$ 0.523 χ^2 /NDF: 7821931.9/64

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 427.852+/-425.228 χ^2/NDF :14.7/14

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -477.553+/-419.369 χ^2/NDF :17.6/13

Left: -31.131+/-298.588 χ^2/NDF : 34.7/28

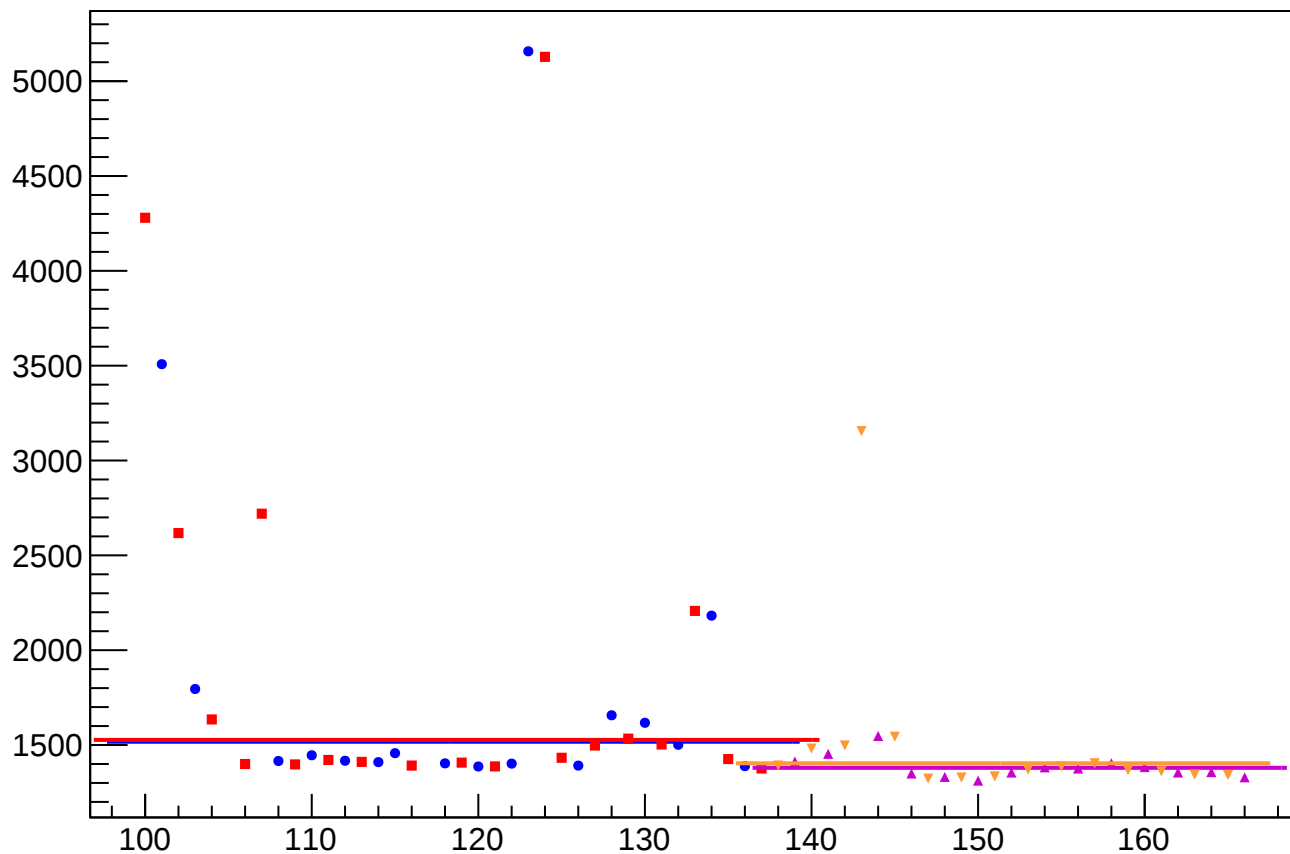
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -573.119+/-344.419 χ^2/NDF :31.1/30

Out: -15.990+/-345.970 χ^2/NDF :31.4/33

All: -295.806+/-244.088 χ^2/NDF : 63.8/64

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1403.636+/-0.301 χ^2/NDF : 453573.4/14

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1379.777+/-0.297 χ^2/NDF : 36122.3/13

Left: 1391.541+/-0.211 χ^2/NDF : 492887.8/28

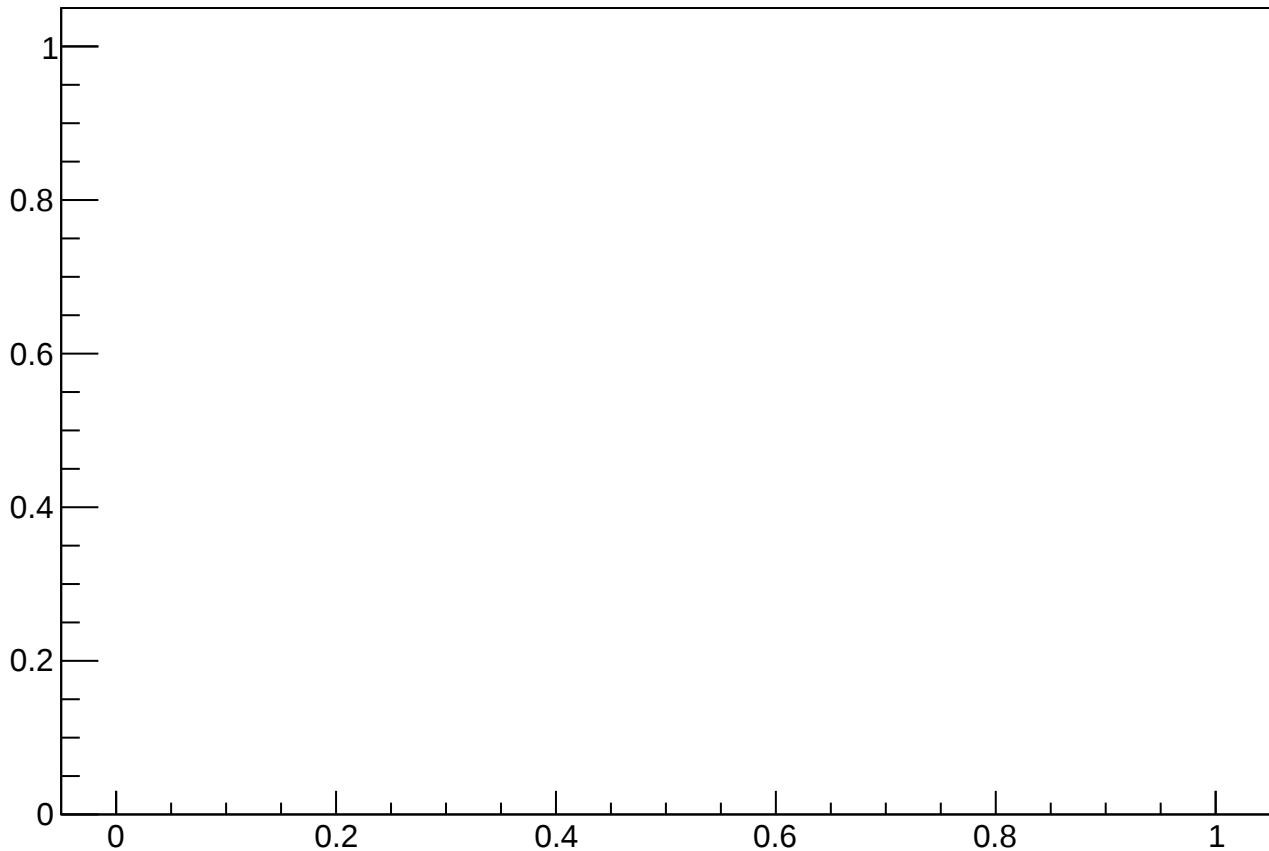
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1424.552+/-0.244 χ^2/NDF : 642826.7/30

Out: 1445.340+/-0.245 χ^2/NDF : 1142164.9/33

All: 1434.899+/-0.173 χ^2/NDF : 1788618.3/64

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

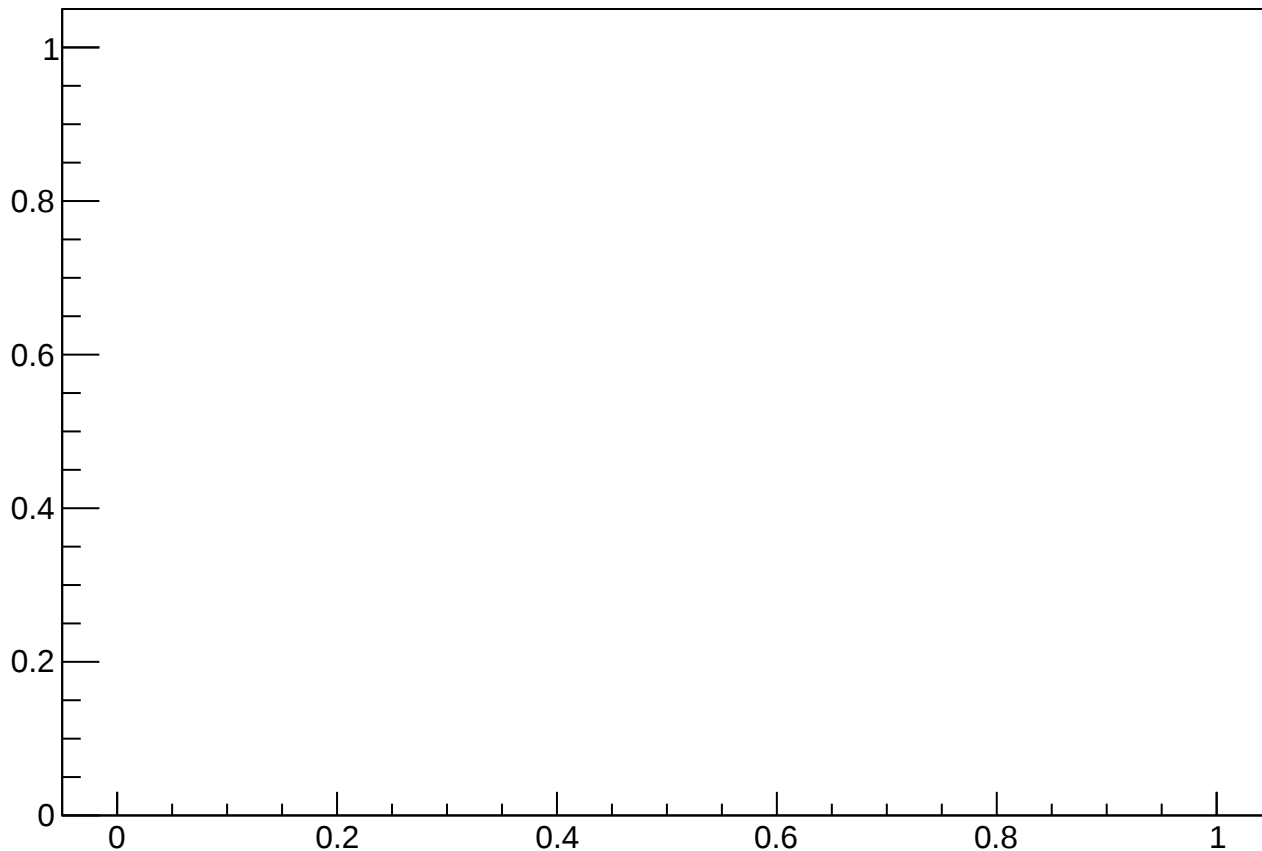
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

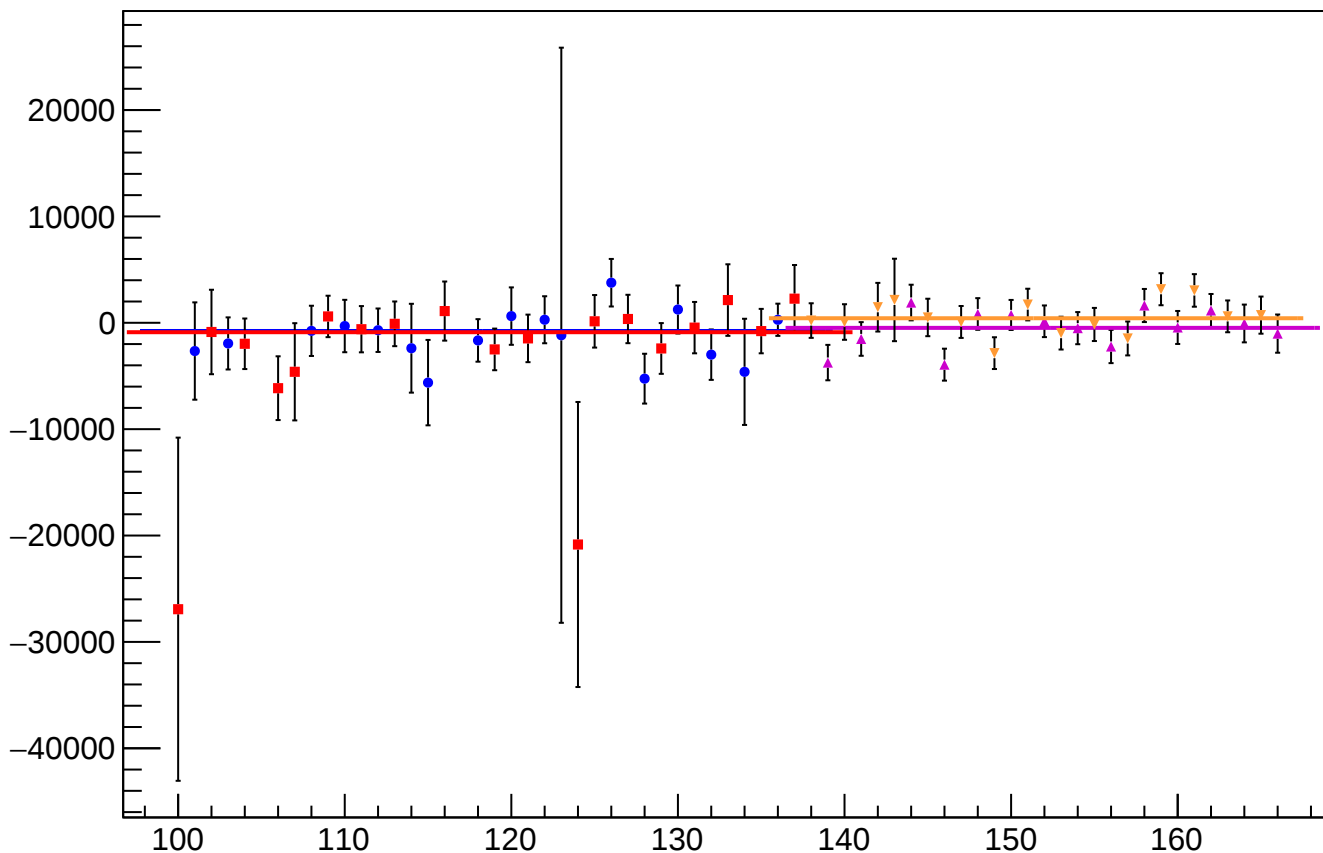
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 427.852+/-425.228 χ^2/NDF :14.7/14

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -477.553+/-419.369 χ^2/NDF :17.6/13

Left: -31.131+/-298.588 χ^2/NDF : 34.7/28

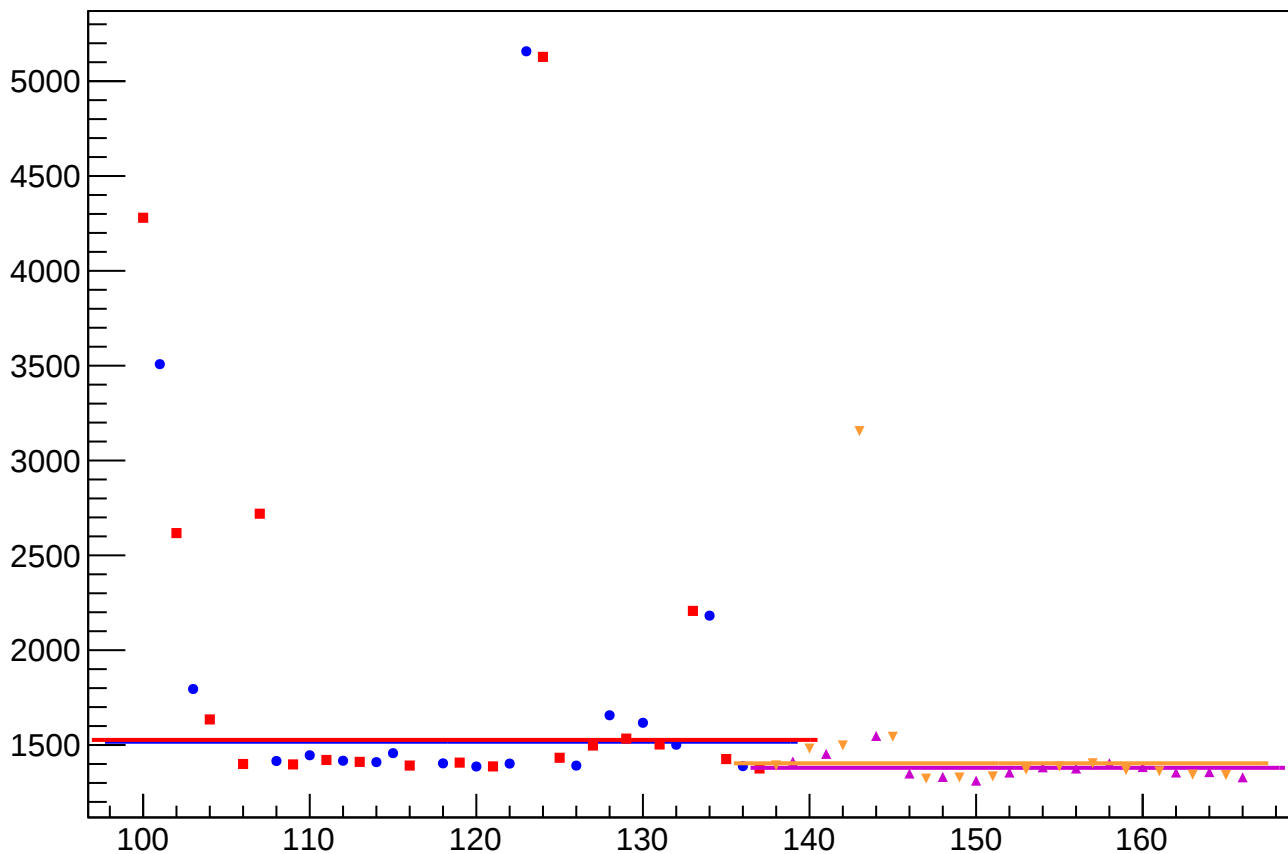
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -573.119+/-344.419 χ^2/NDF :31.1/30

Out: -15.990+/-345.970 χ^2/NDF :31.4/33

All: -295.806+/-244.088 χ^2/NDF : 63.8/64

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1403.636+/-0.301 χ^2/NDF : 453573.4/14

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1379.777+/-0.297 χ^2/NDF : 36122.3/13

Left: 1391.541+/-0.211 χ^2/NDF : 492887.8/28

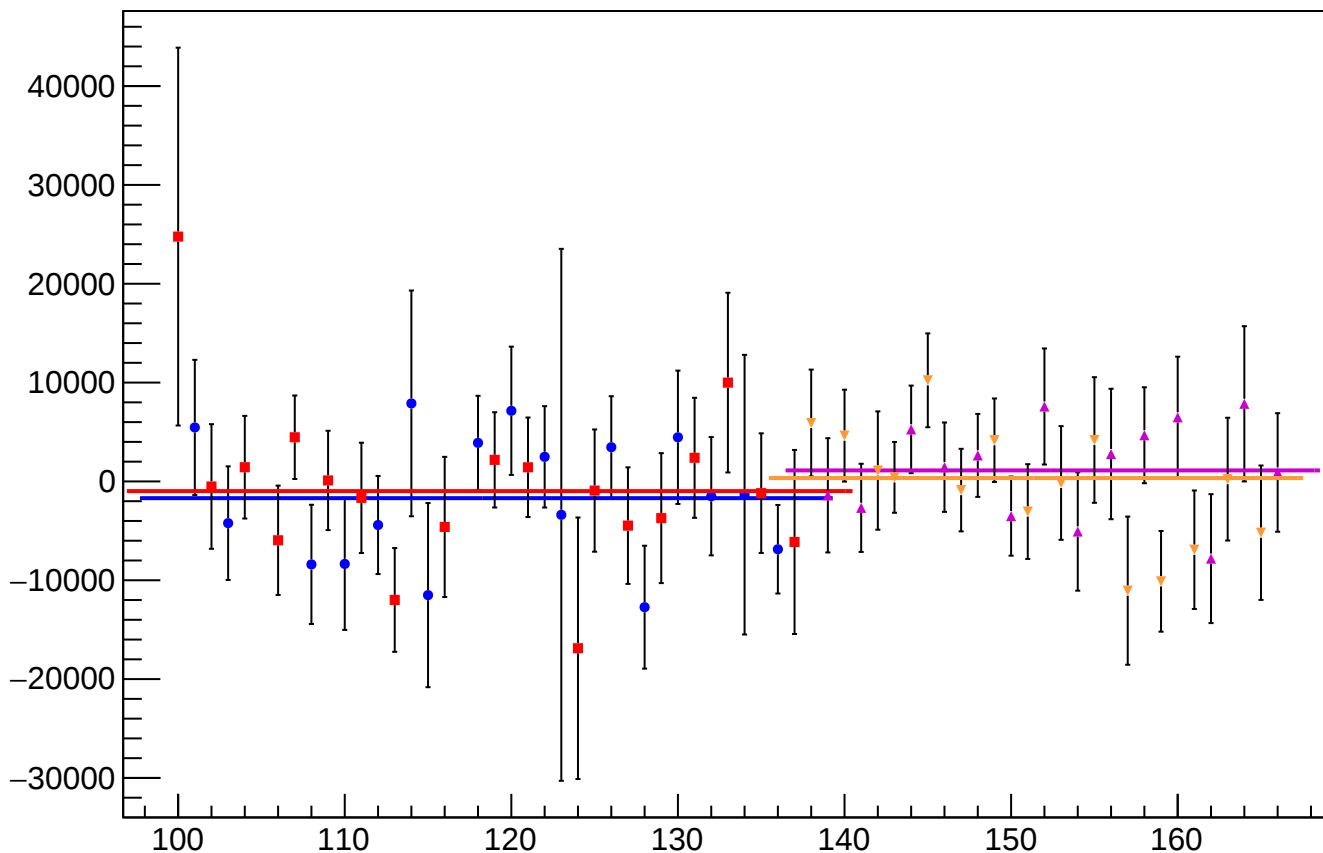
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1424.552+/-0.244 χ^2/NDF : 642826.7/30

Out: 1445.340+/-0.245 χ^2/NDF : 1142164.9/33

All: 1434.899+/-0.173 χ^2/NDF : 1788618.3/64

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 343.857+/-1319.543 χ^2/NDF : 16.7/14

Right Out: -977.899+/-1378.874 χ^2/NDF : 13.9/18

Left In: 1114.449+/-1392.592 χ^2/NDF : 9.5/13

Left: 708.413+/-957.842 χ^2/NDF : 26.4/28

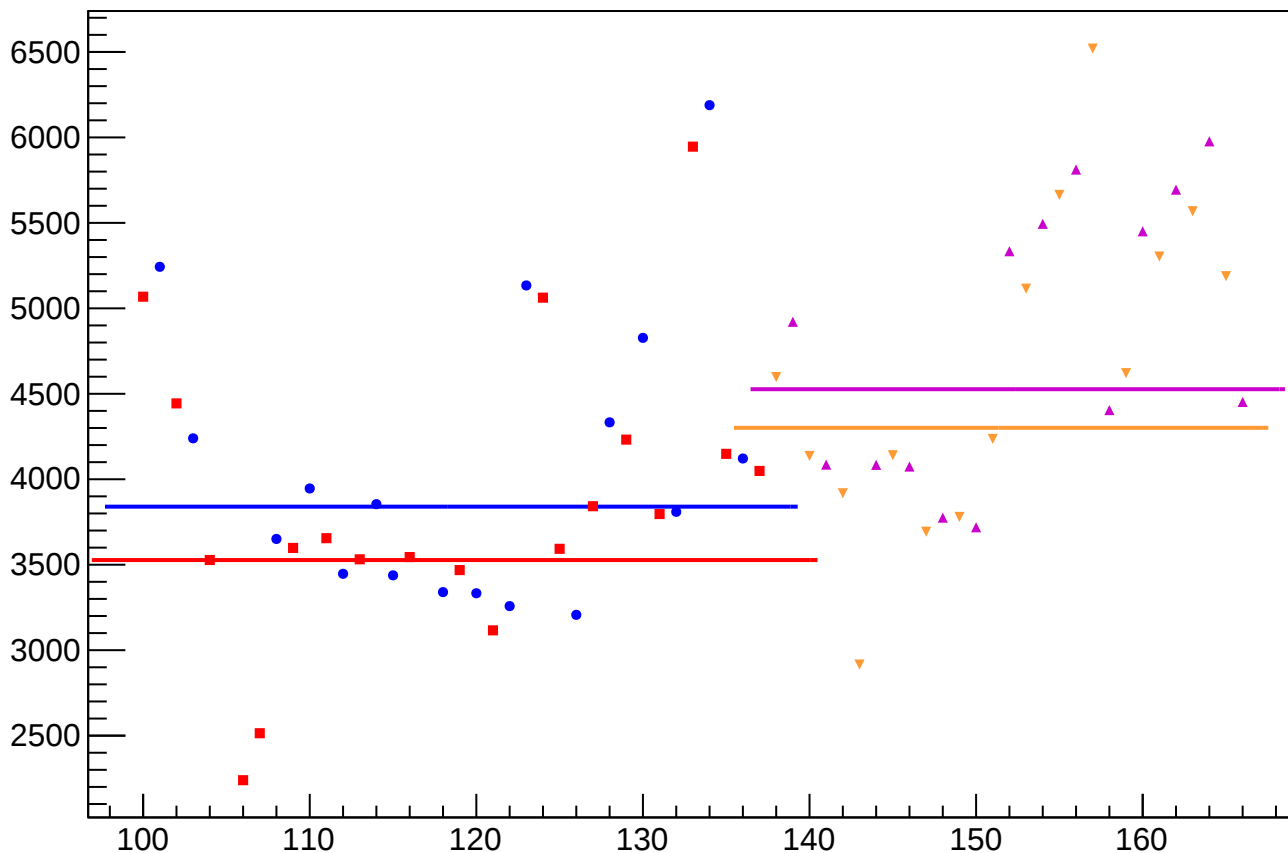
Right: -1302.190+/-1019.117 χ^2/NDF : 29.9/35

In: -173.012+/-1024.618 χ^2/NDF : 27.2/30

Out: -287.974+/-953.343 χ^2/NDF : 31.1/33

All: -234.630+/-697.954 χ^2/NDF : 58.3/64

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4301.041+/-0.933 χ^2/NDF : 879483.5/14

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4526.900+/-0.985 χ^2/NDF : 559517.4/13

Left: 4407.891+/-0.677 χ^2/NDF : 1466721.3/28

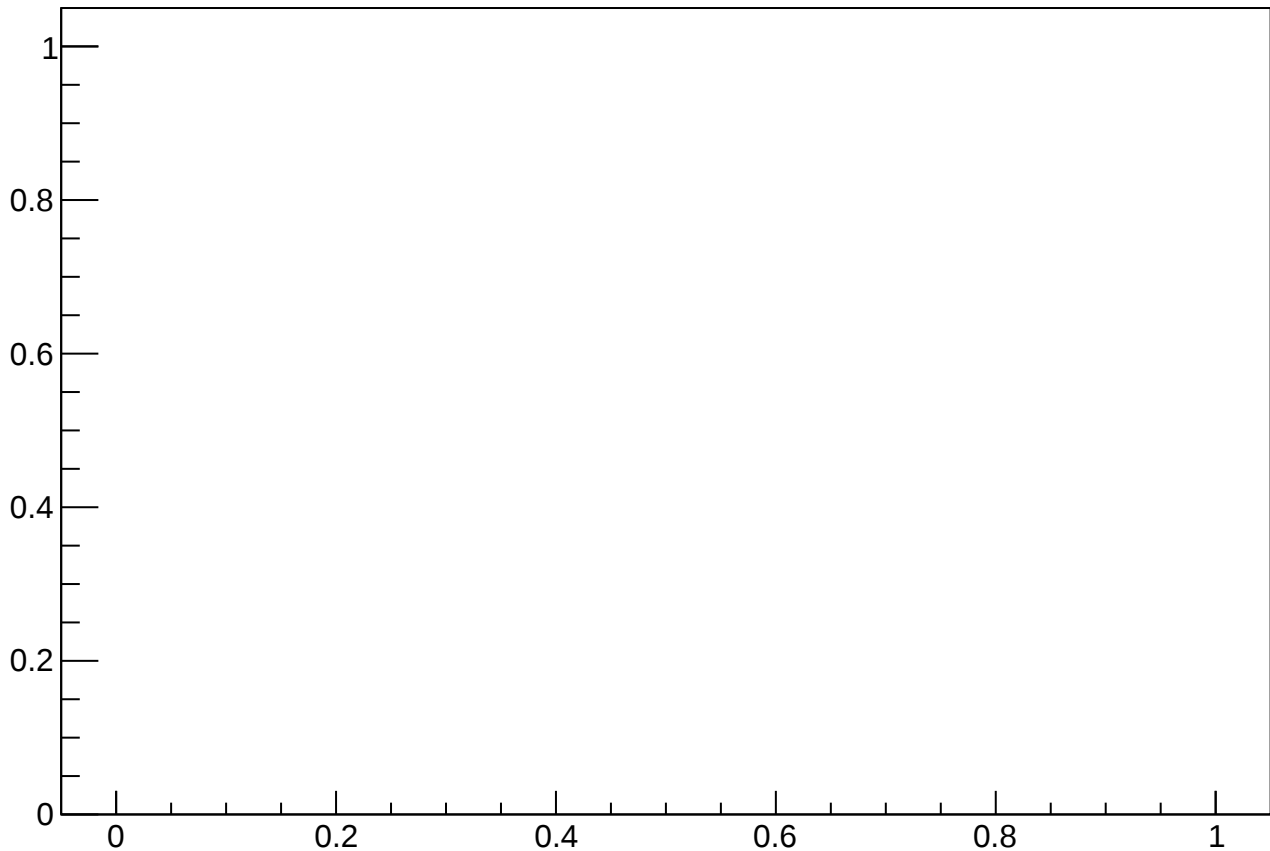
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4211.729+/-0.725 χ^2/NDF : 1108823.4/30

Out: 3927.657+/-0.671 χ^2/NDF : 1766104.0/33

All: 4058.852+/-0.492 χ^2/NDF : 2957661.5/64

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

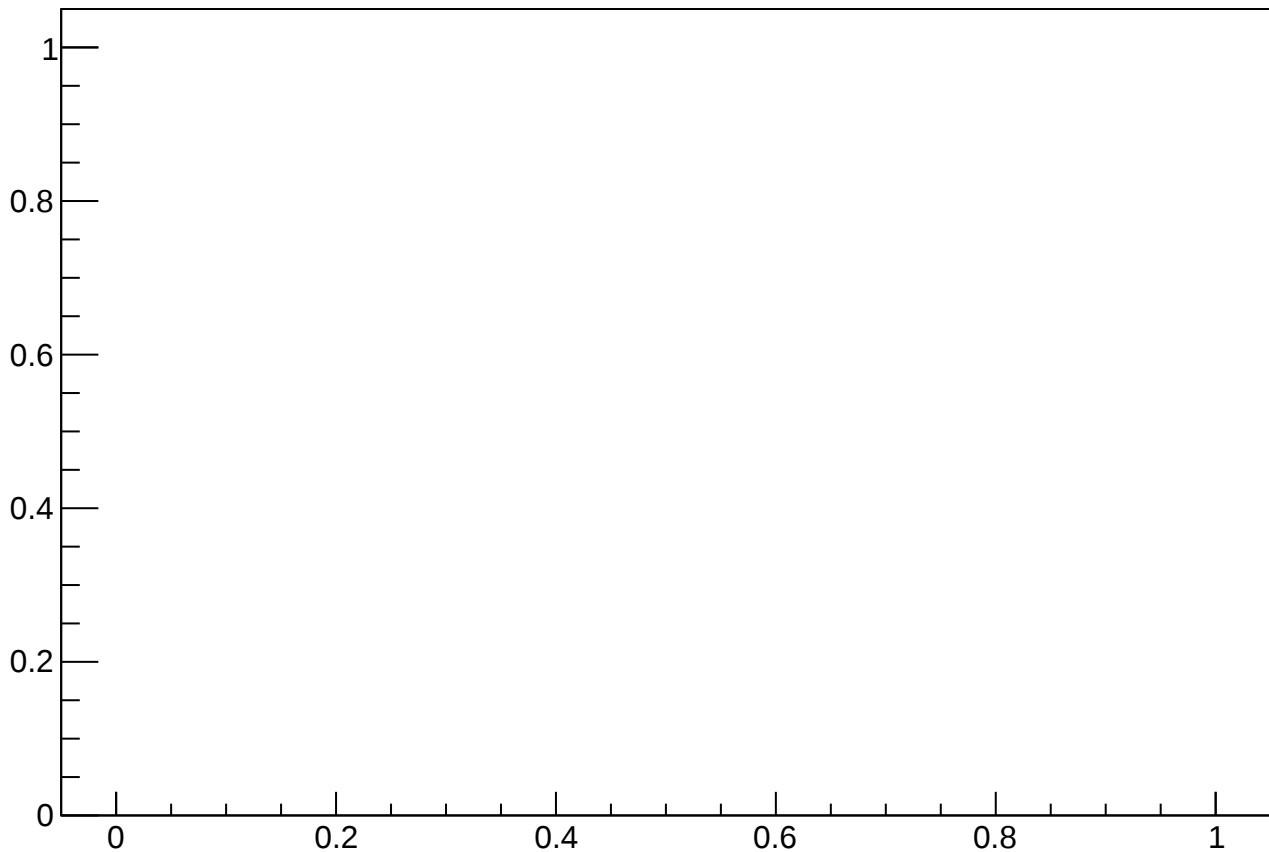
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

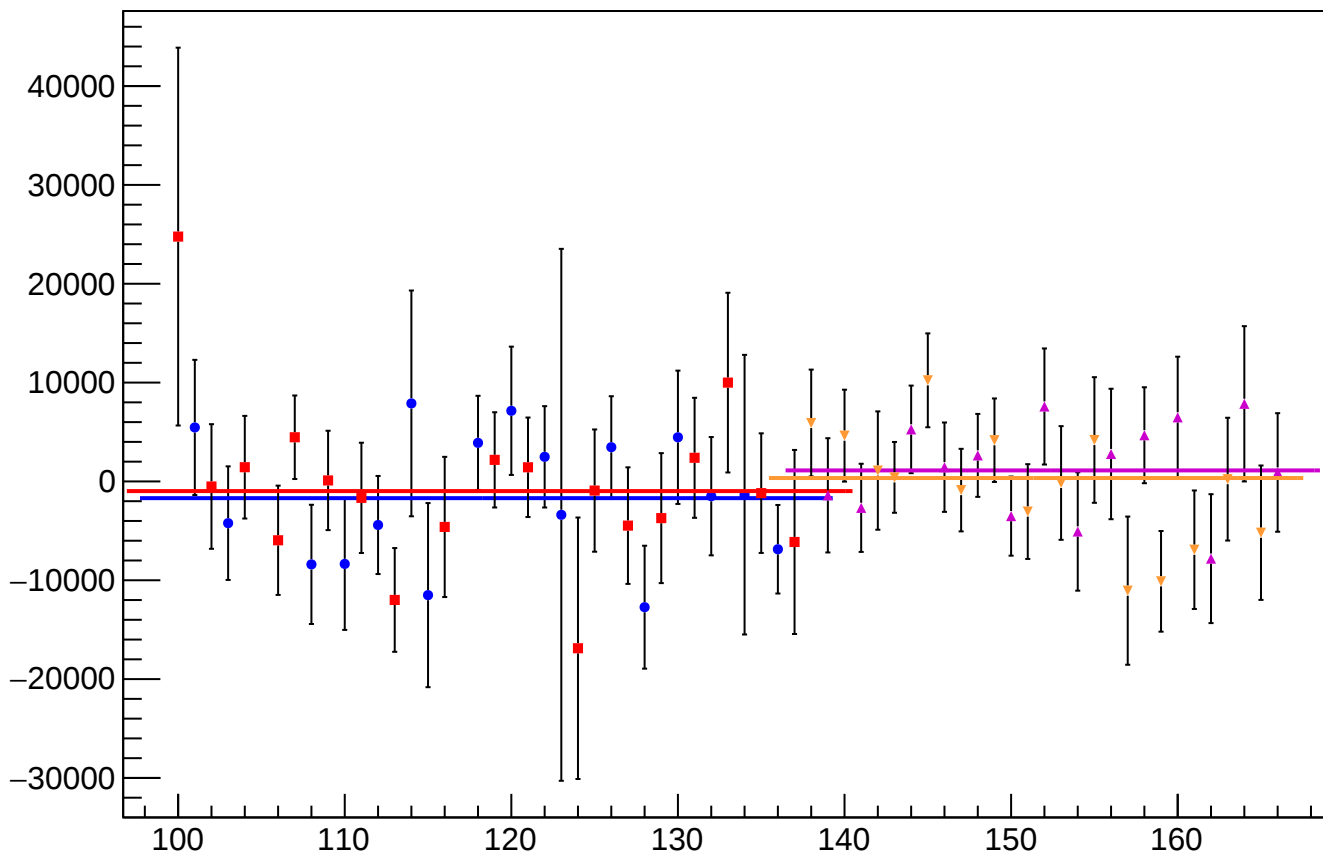
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 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: 1114.449 $\pm$ 1392.592 χ^2 /NDF:9.5/13

Left: 708.413 $\pm$ 957.842 χ^2 /NDF: 26.4/28

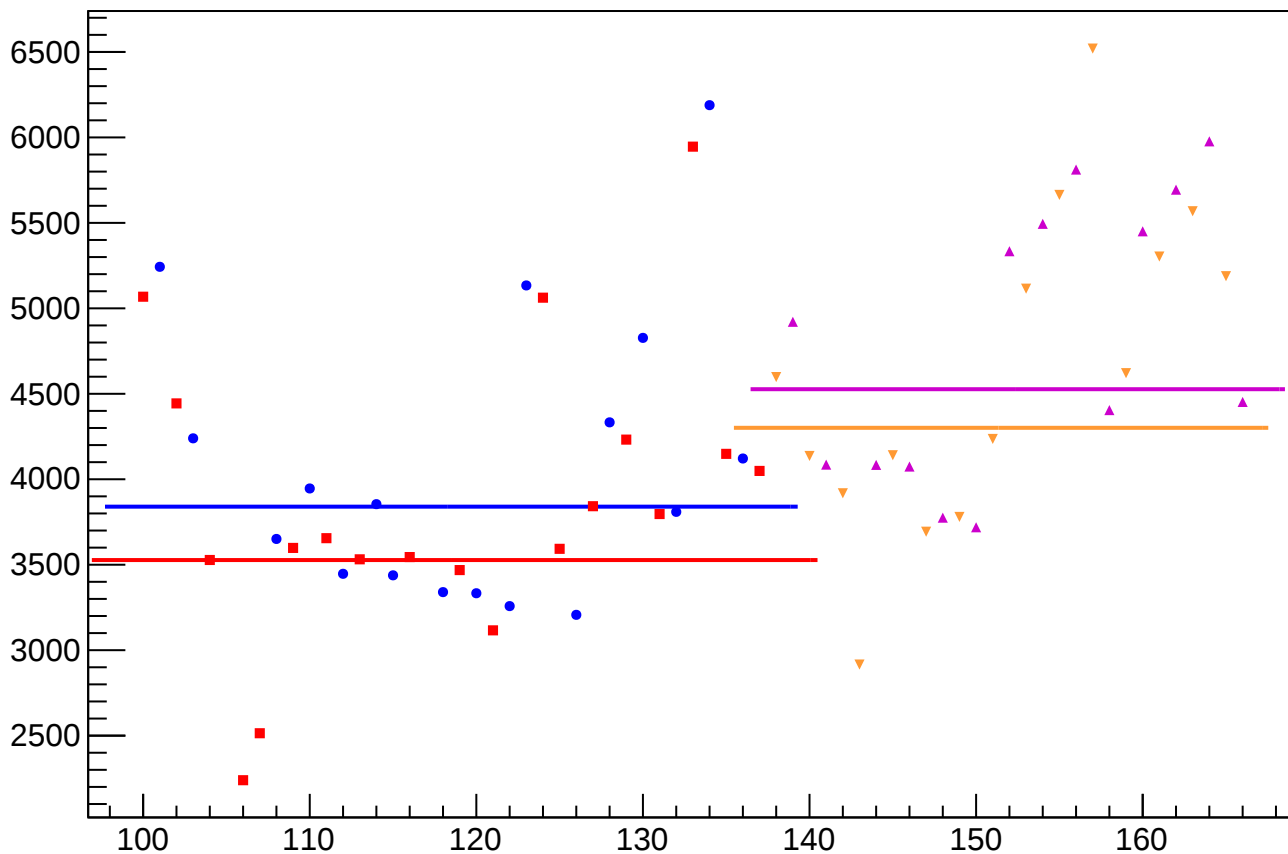
Right: -1302.190 $\pm$ 1019.117 χ^2 /NDF: 29.9/35

In: -173.012 $\pm$ 1024.618 χ^2 /NDF:27.2/30

Out: -287.974 $\pm$ 953.343 χ^2 /NDF:31.1/33

All: -234.630 $\pm$ 697.954 χ^2 /NDF: 58.3/64

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4301.041+/-0.933 χ^2/NDF : 879483.5/14

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4526.900+/-0.985 χ^2/NDF : 559517.4/13

Left: 4407.891+/-0.677 χ^2/NDF : 1466721.3/28

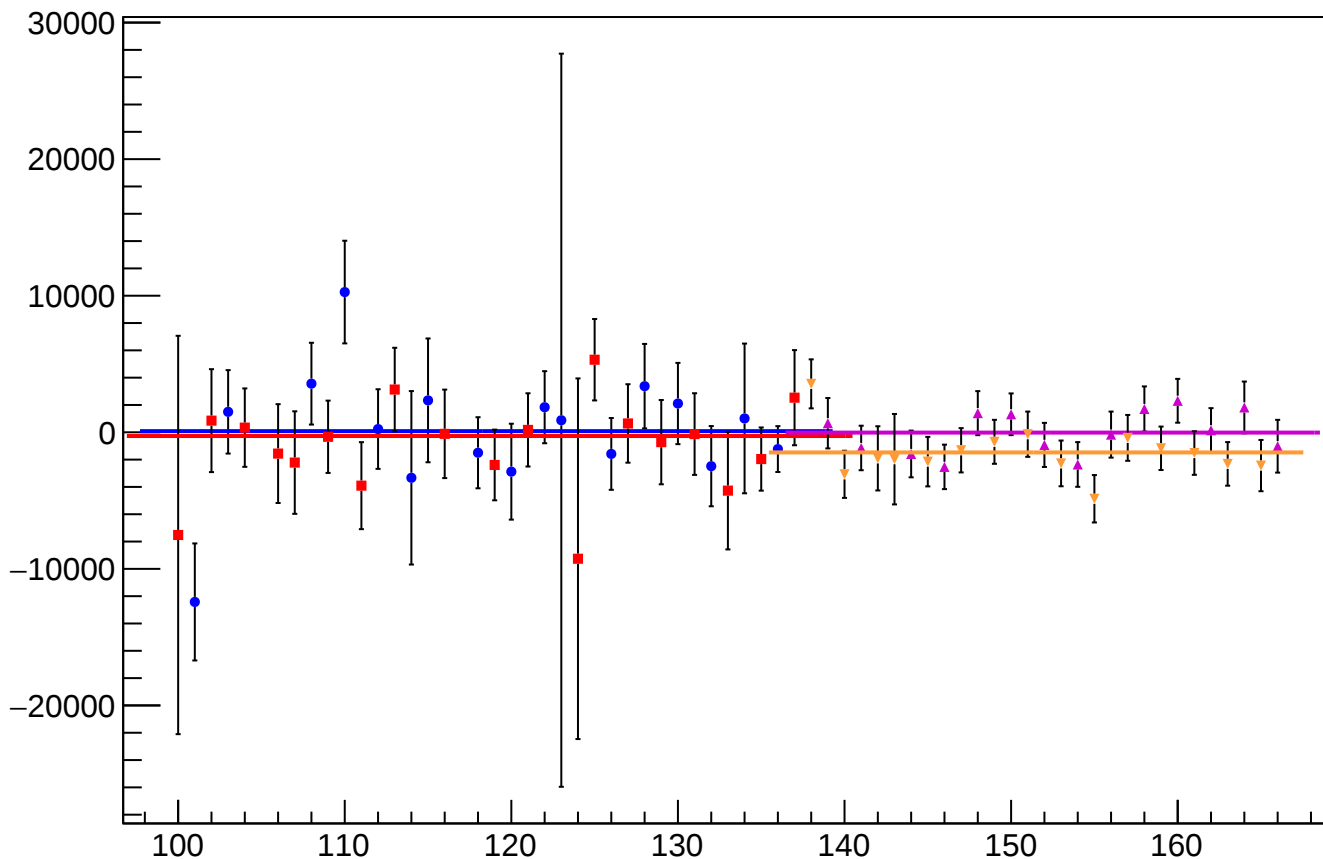
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In: 4211.729+/-0.725 χ^2/NDF : 1108823.4/30

Out: 3927.657+/-0.671 χ^2/NDF : 1766104.0/33

All: 4058.852+/-0.492 χ^2/NDF : 2957661.5/64

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -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: -21.824 ± 447.427 $\chi^2/\text{NDF}: 12.2/13$

Left: -738.059 ± 318.541 $\chi^2/\text{NDF}: 32.2/28$

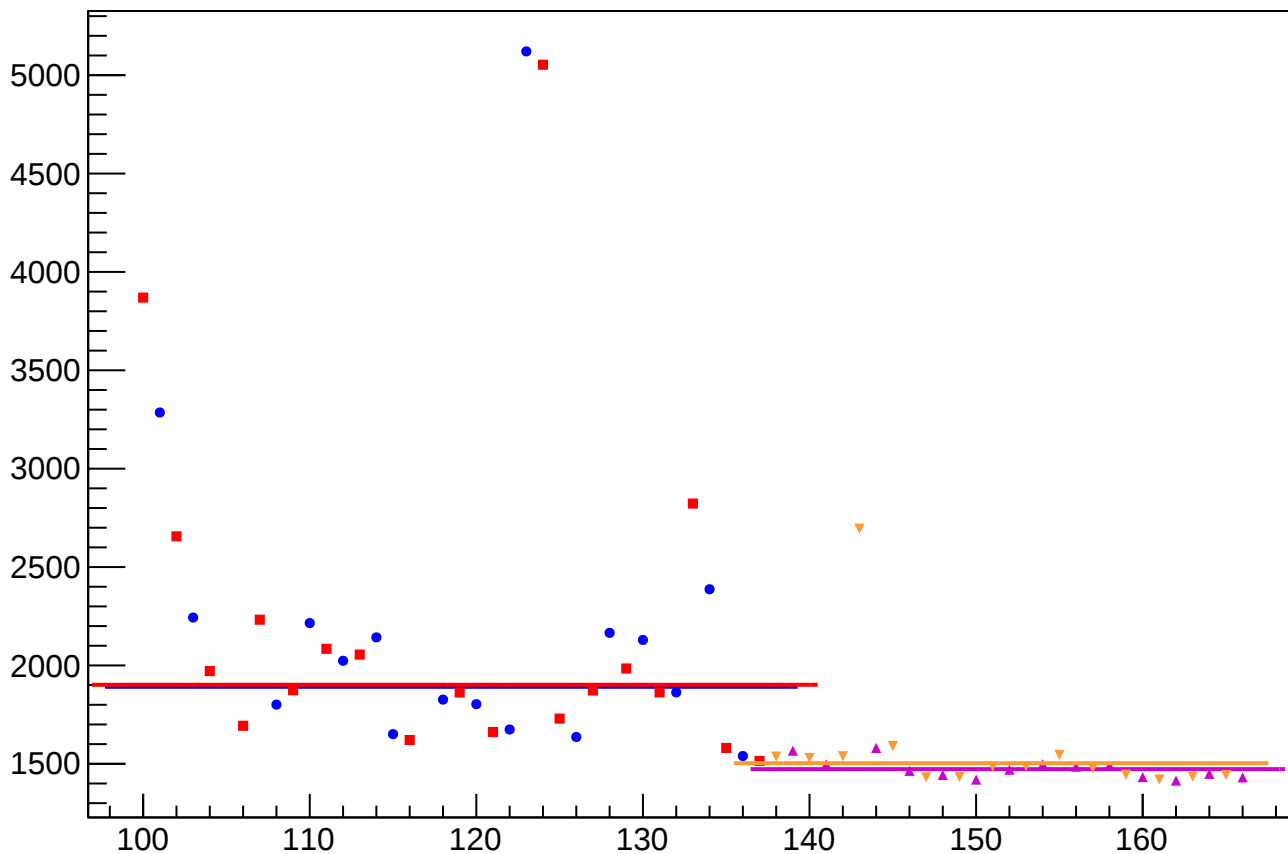
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: 5.886 ± 384.320 $\chi^2/\text{NDF}: 35.1/30$

Out: -1142.231 ± 385.884 $\chi^2/\text{NDF}: 26.9/33$

All: -565.841 ± 272.306 $\chi^2/\text{NDF}: 66.4/64$

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1503.218+/-0.321 χ^2/NDF : 288722.1/14

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1472.943+/-0.316 χ^2/NDF : 22689.7/13

Left: 1487.873+/-0.225 χ^2/NDF : 315927.6/28

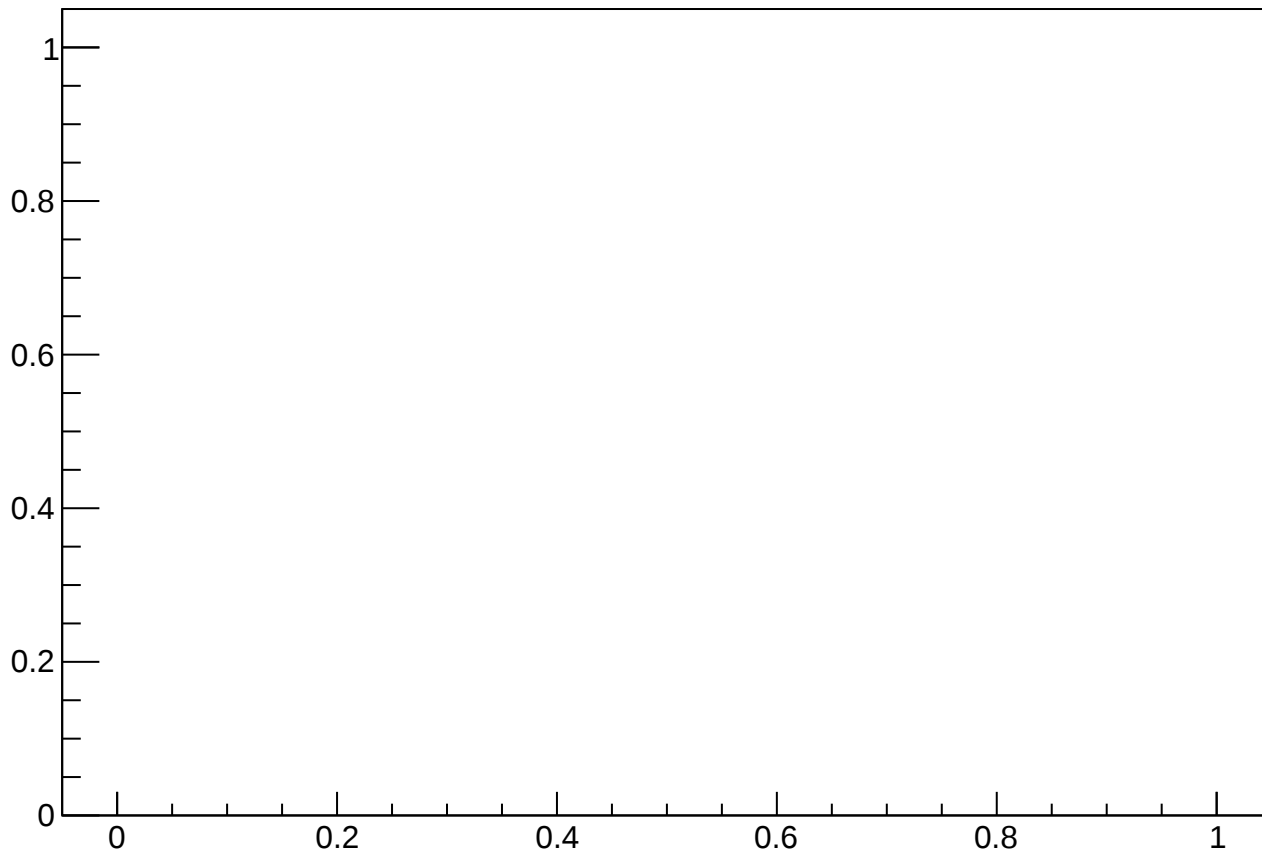
Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1582.686+/-0.272 χ^2/NDF : 946078.7/30

Out: 1613.349+/-0.273 χ^2/NDF : 1176085.1/33

All: 1597.955+/-0.193 χ^2/NDF : 2128503.5/64

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

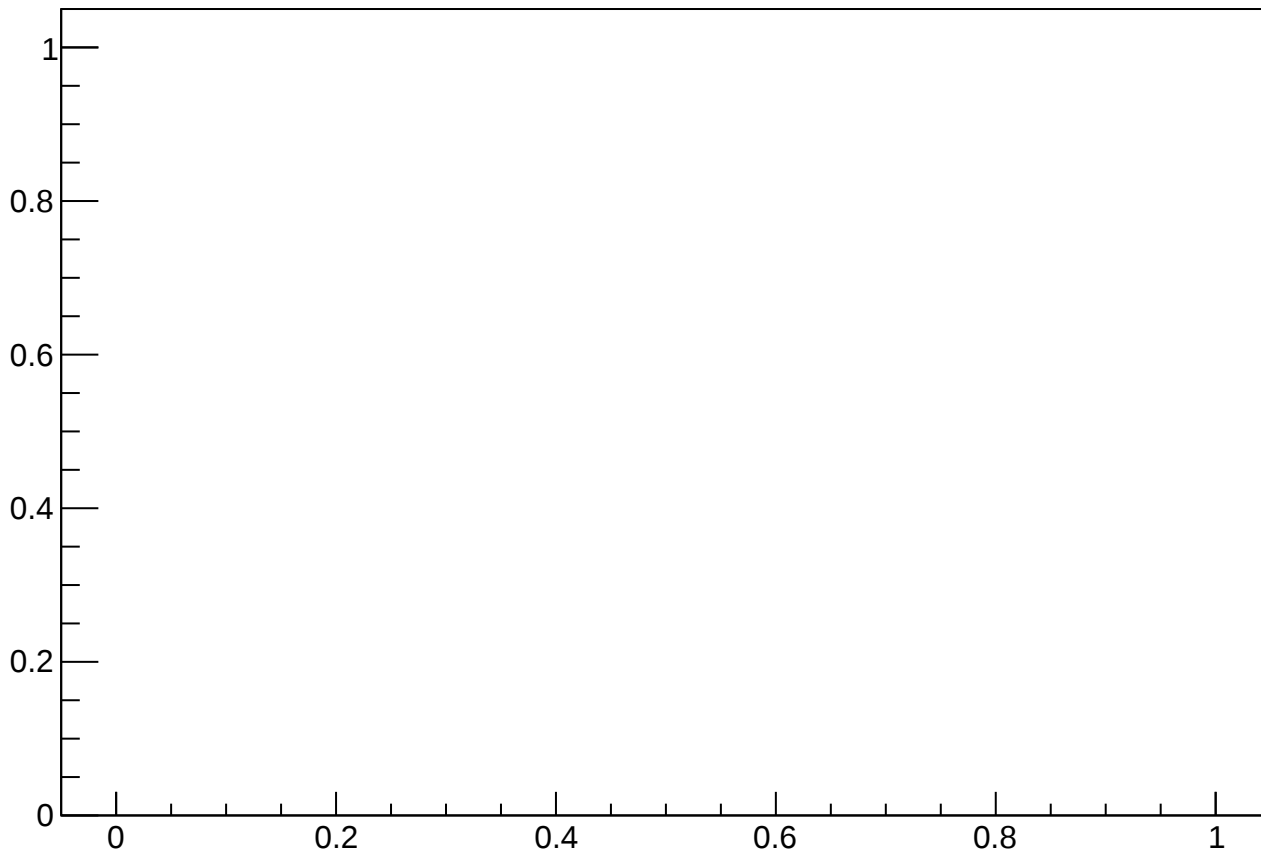
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

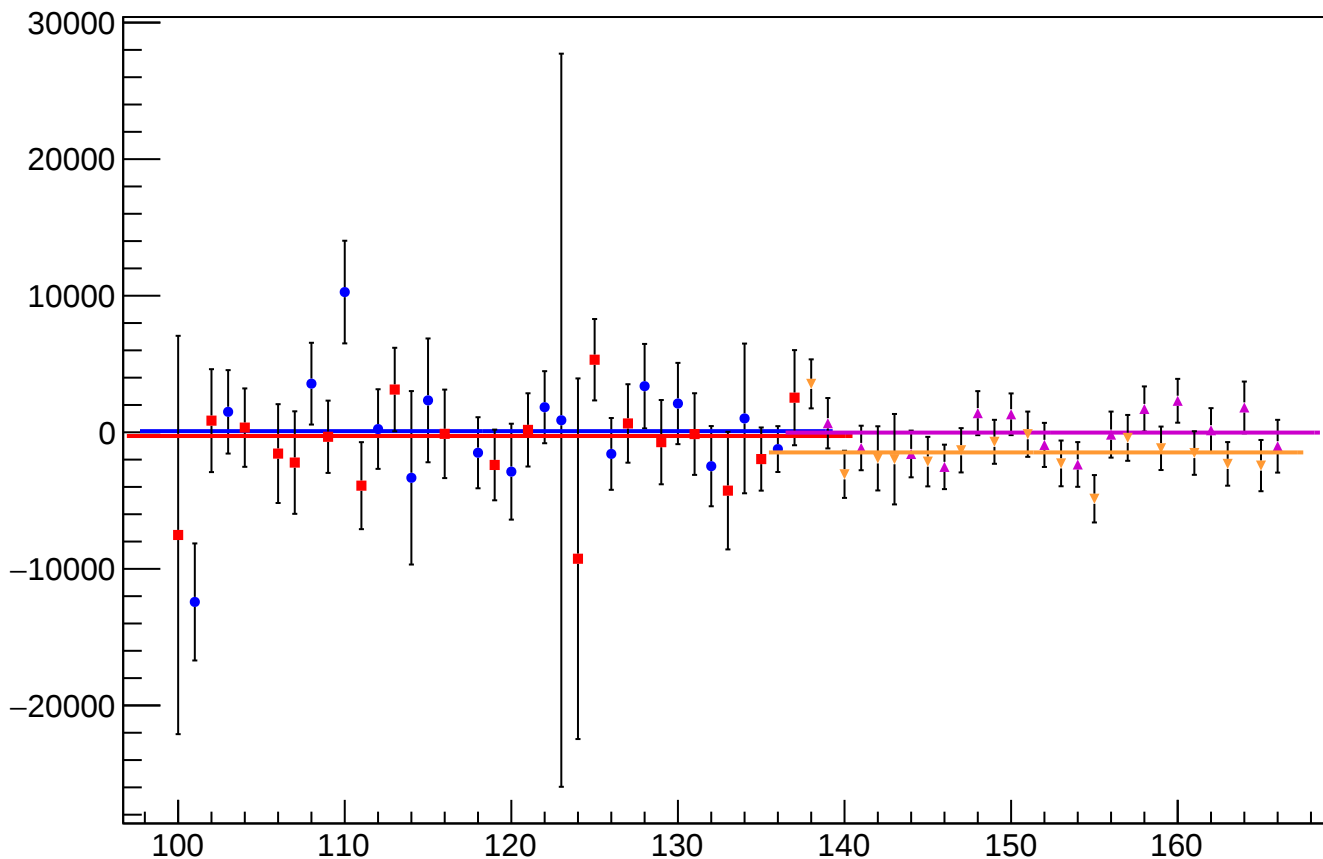
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -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: -21.824 ± 447.427 $\chi^2/\text{NDF}: 12.2/13$

Left: -738.059 ± 318.541 $\chi^2/\text{NDF}: 32.2/28$

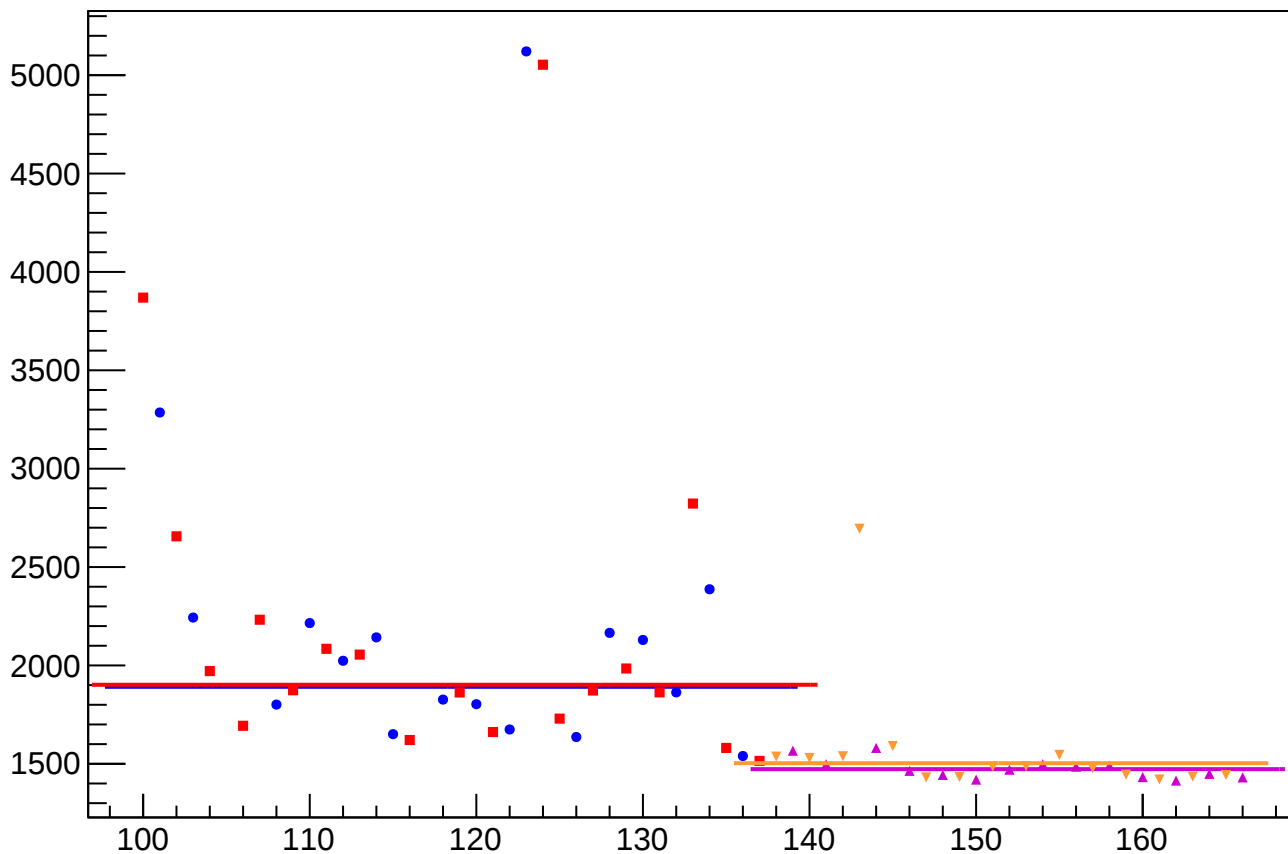
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: 5.886 ± 384.320 $\chi^2/\text{NDF}: 35.1/30$

Out: -1142.231 ± 385.884 $\chi^2/\text{NDF}: 26.9/33$

All: -565.841 ± 272.306 $\chi^2/\text{NDF}: 66.4/64$

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1503.218+/-0.321 χ^2/NDF : 288722.1/14

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1472.943+/-0.316 χ^2/NDF : 22689.7/13

Left: 1487.873+/-0.225 χ^2/NDF : 315927.6/28

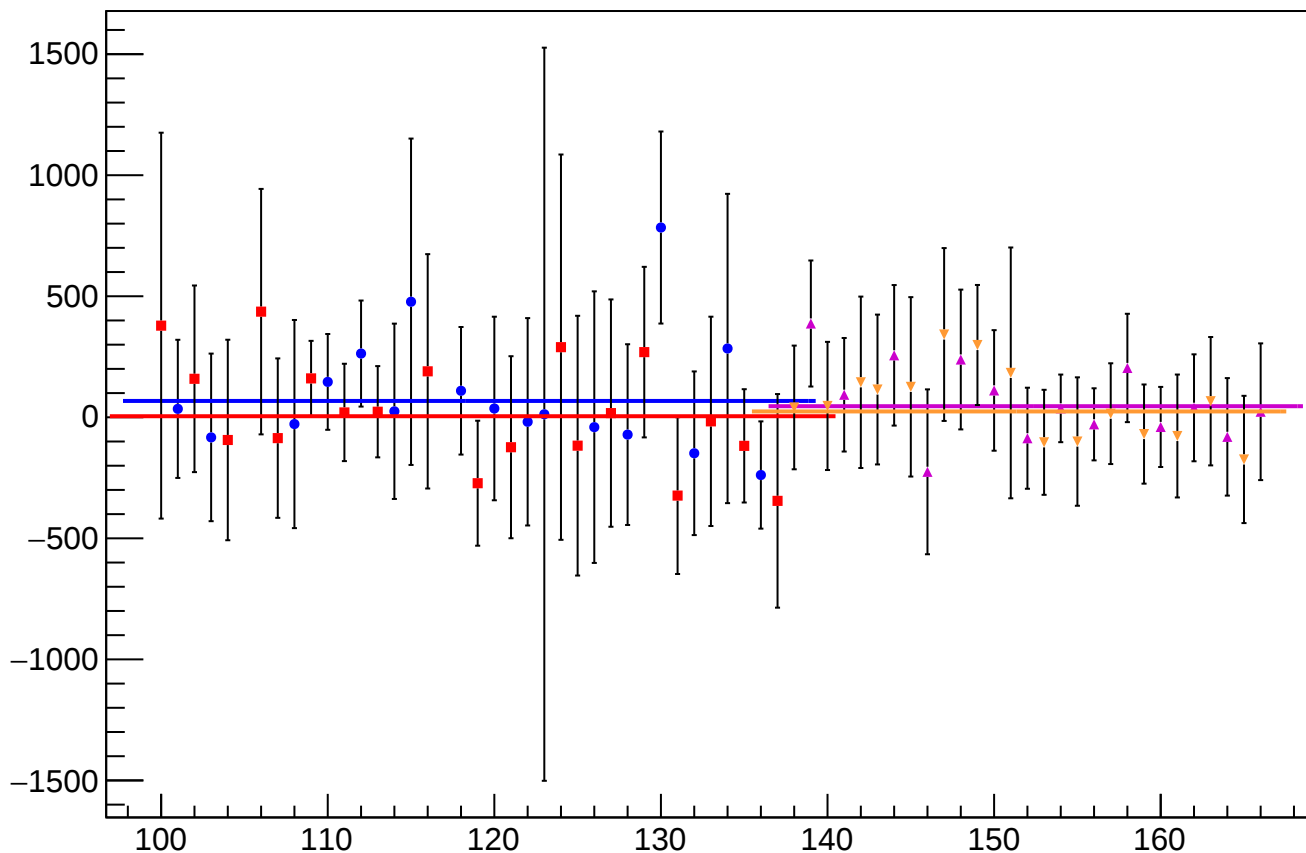
Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1582.686+/-0.272 χ^2/NDF : 946078.7/30

Out: 1613.349+/-0.273 χ^2/NDF : 1176085.1/33

All: 1597.955+/-0.193 χ^2/NDF : 2128503.5/64

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 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: 45.819 $\pm$ 57.034 χ^2 /NDF:5.1/13

Left: 37.062 $\pm$ 43.974 χ^2 /NDF: 9.1/28

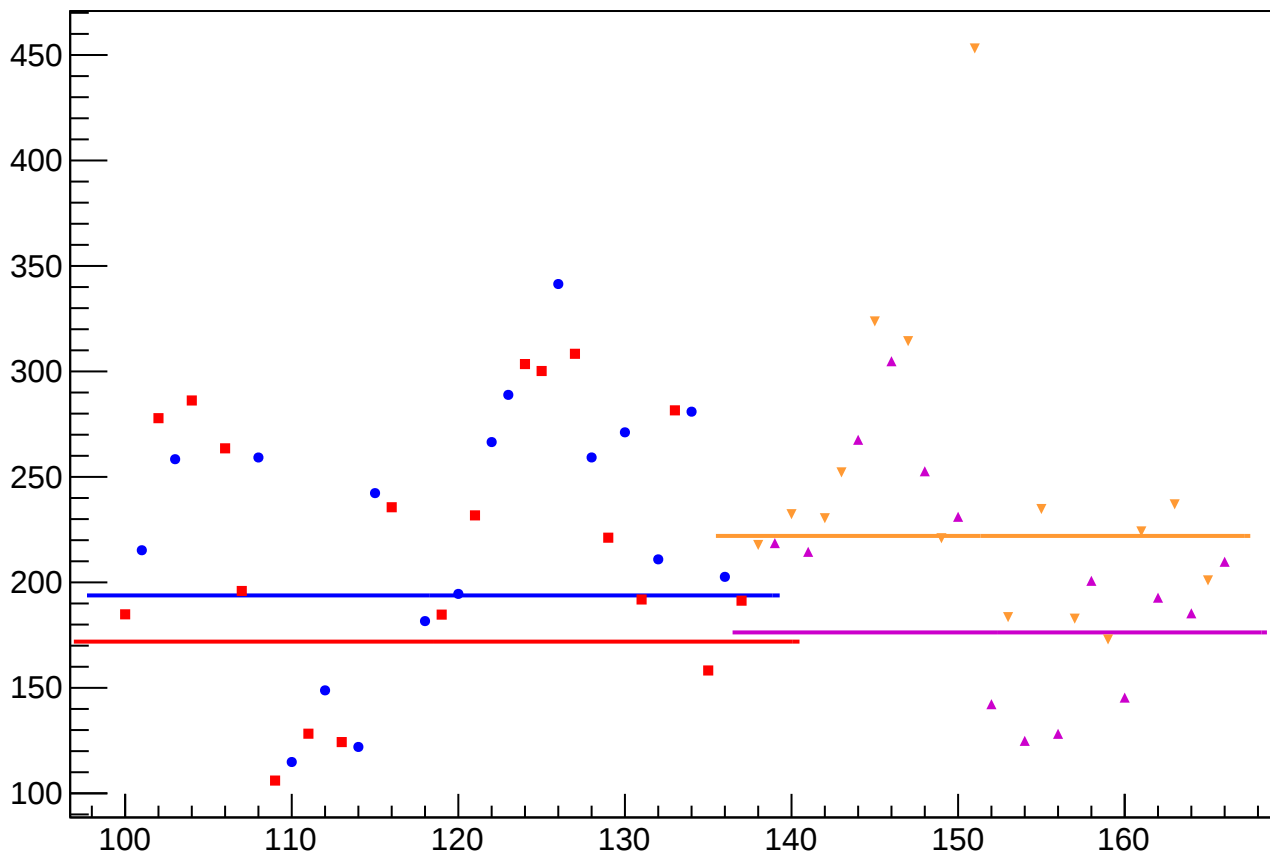
Right: 31.949 $\pm$ 52.572 χ^2 /NDF: 14.2/35

In: 53.187 $\pm$ 46.363 χ^2 /NDF:12.7/30

Out: 14.461 $\pm$ 49.162 χ^2 /NDF:10.3/33

All: 34.958 $\pm$ 33.730 χ^2 /NDF: 23.4/64

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 222.021+/-0.049 χ^2/NDF : 978921.4/14

Right Out: 171.920+/-0.050 χ^2/NDF : 1577076.0/18

Left In: 176.278+/-0.040 χ^2/NDF : 1494025.5/13

Left: 194.829+/-0.031 χ^2/NDF : 2994674.3/28

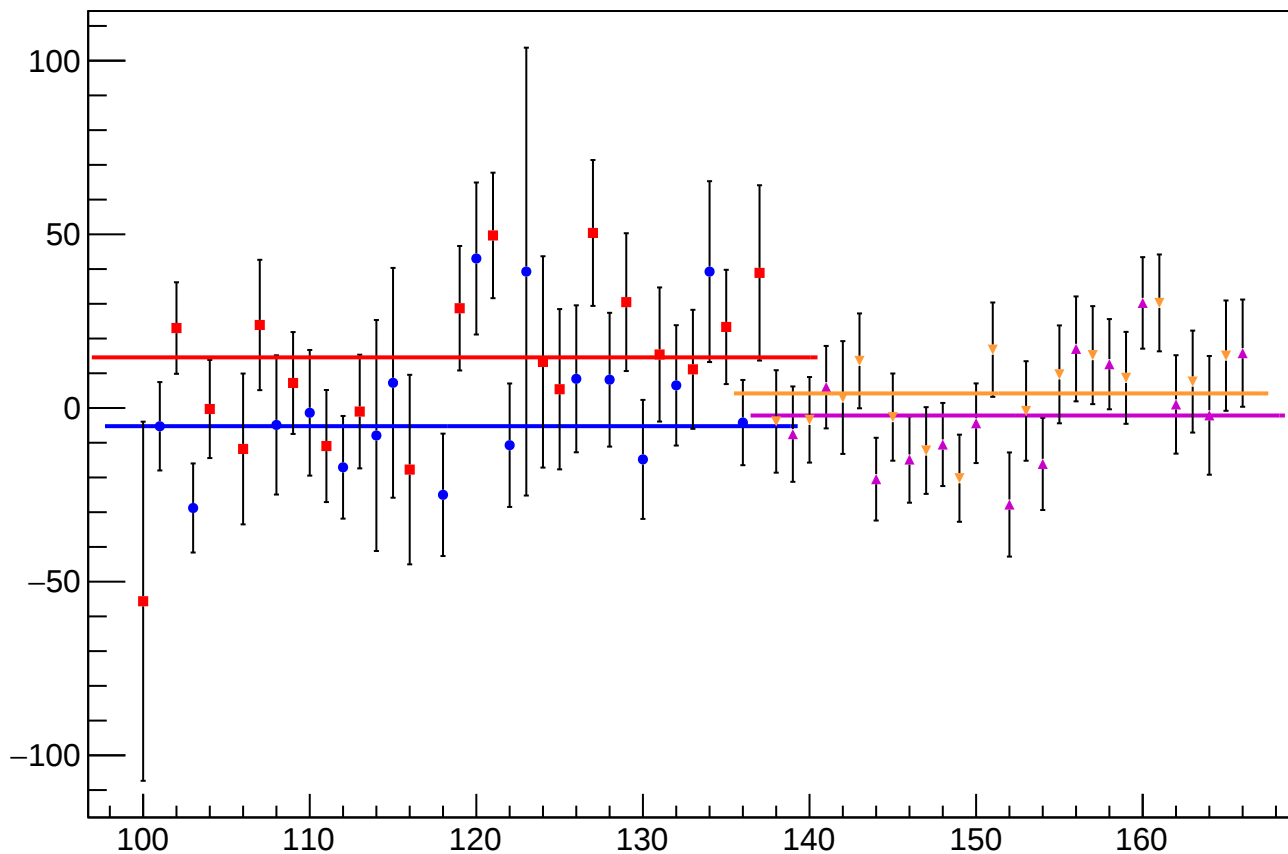
Right: 181.469+/-0.037 χ^2/NDF : 2672713.5/35

In: 182.227+/-0.033 χ^2/NDF : 2568486.2/30

Out: 197.316+/-0.035 χ^2/NDF : 3075185.7/33

All: 189.329+/-0.024 χ^2/NDF : 5743387.9/64

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: 4.197 ± 3.552 χ^2/NDF : 12.9/14

Right Out: 14.579 ± 4.265 χ^2/NDF : 19.5/18

Left In: -2.161 ± 3.551 χ^2/NDF : 18.9/13

Left: 1.018 ± 2.511 χ^2/NDF : 33.4/28

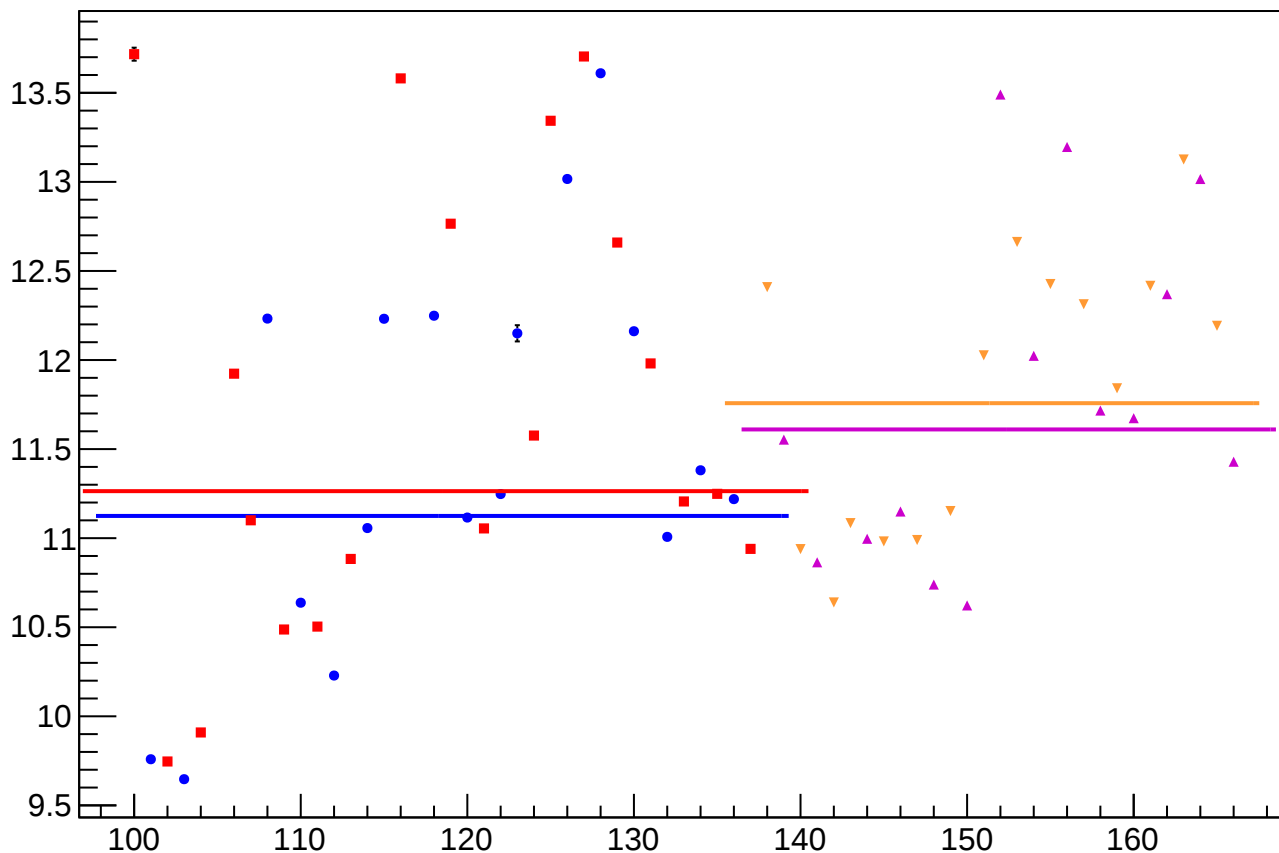
Right: 4.883 ± 3.047 χ^2/NDF : 45.6/35

In: -3.386 ± 2.752 χ^2/NDF : 34.7/30

Out: 8.448 ± 2.729 χ^2/NDF : 35.9/33

All: 2.581 ± 1.938 χ^2/NDF : 79.9/64

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.758 $\pm$ 0.003 χ^2 /NDF: 86762.2/14

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

Left In: 11.610 $\pm$ 0.003 χ^2 /NDF: 116589.8/13

Left: 11.684 $\pm$ 0.002 χ^2 /NDF: 205075.3/28

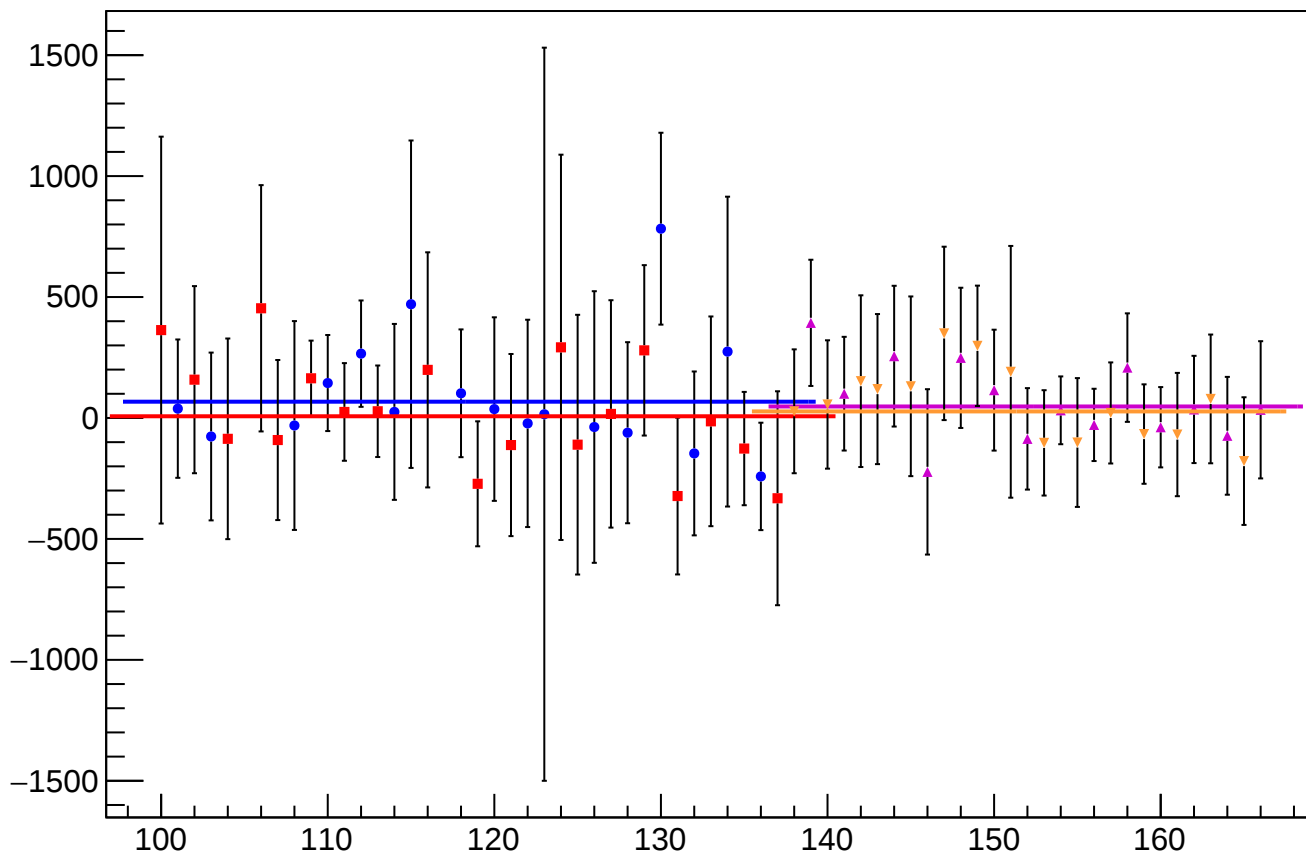
Right: 11.196 $\pm$ 0.002 χ^2 /NDF: 281295.0/35

In: 11.416 $\pm$ 0.002 χ^2 /NDF: 264036.9/30

Out: 11.556 $\pm$ 0.002 χ^2 /NDF: 250328.1/33

All: 11.487 $\pm$ 0.001 χ^2 /NDF: 516939.6/64

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305 $\pm$ 79.817 χ^2 /NDF: 7.5/16

Left Out: 27.121 $\pm$ 69.290 χ^2 /NDF:4.0/14

Right Out: 7.039 $\pm$ 70.212 χ^2 /NDF: 6.4/18

Left In: 47.542 $\pm$ 57.229 χ^2 /NDF:5.2/13

Left: 39.261 $\pm$ 44.125 χ^2 /NDF: 9.2/28

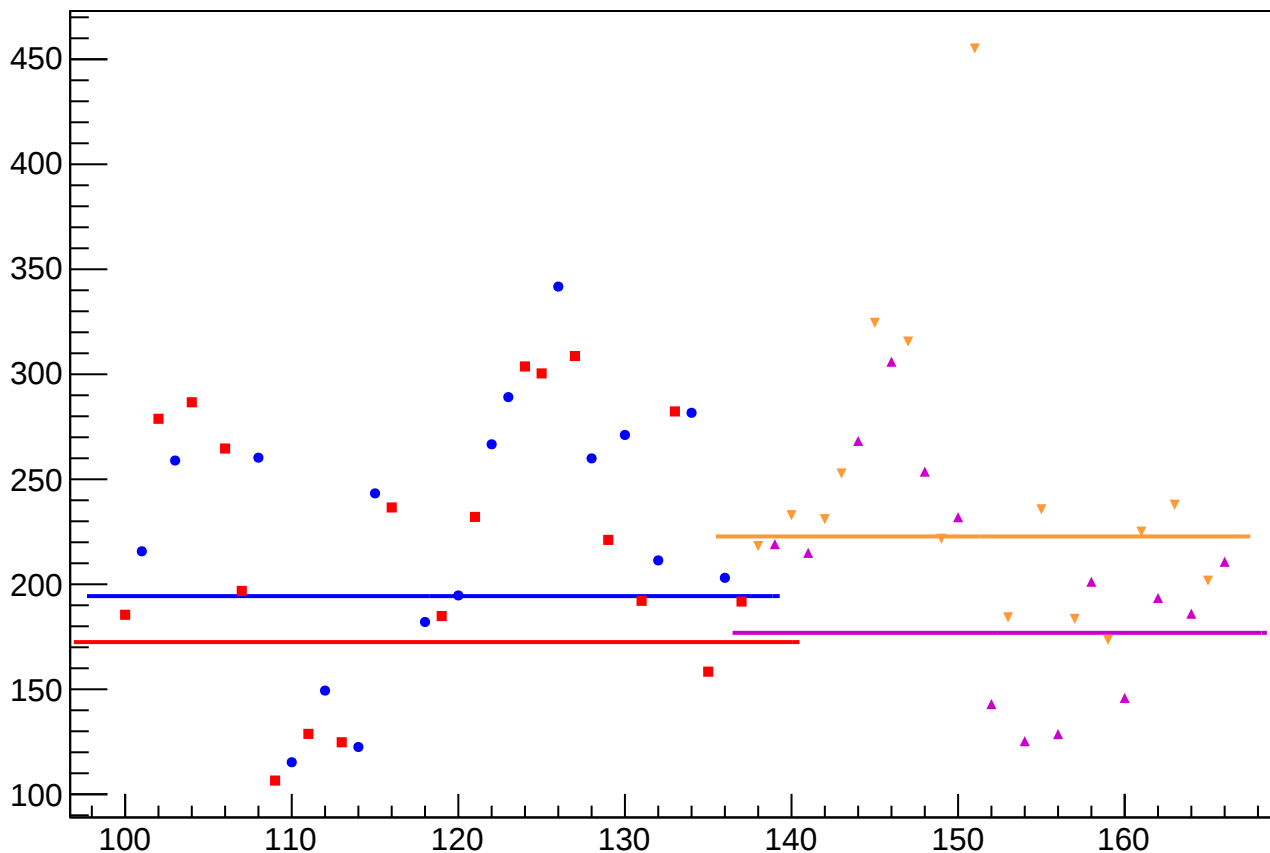
Right: 33.329 $\pm$ 52.718 χ^2 /NDF: 14.2/35

In: 54.252 $\pm$ 46.510 χ^2 /NDF:12.7/30

Out: 17.213 $\pm$ 49.318 χ^2 /NDF:10.5/33

All: 36.817 $\pm$ 33.837 χ^2 /NDF: 23.5/64

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365+/-0.056 χ^2/NDF : 1005234.4/16

Left Out: 222.789+/-0.049 χ^2/NDF : 978158.0/14

Right Out: 172.471+/-0.050 χ^2/NDF : 1569648.4/18

Left In: 176.888+/-0.040 χ^2/NDF : 1492107.7/13

Left: 195.502+/-0.031 χ^2/NDF : 2992026.1/28

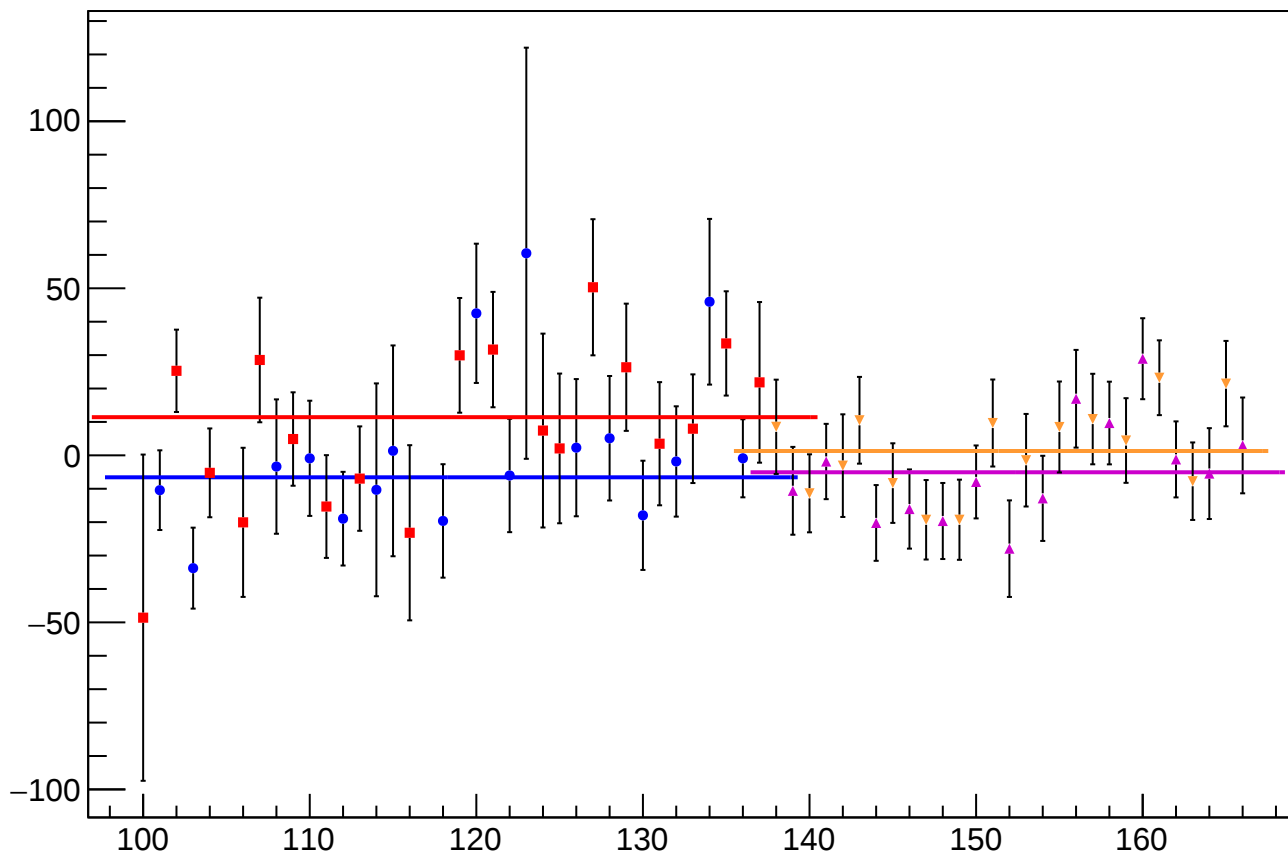
Right: 182.022+/-0.037 χ^2/NDF : 2659717.0/35

In: 182.822+/-0.033 χ^2/NDF : 2560678.0/30

Out: 197.963+/-0.035 χ^2/NDF : 3068183.6/33

All: 189.949+/-0.024 χ^2/NDF : 5728635.0/64

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: 1.297 ± 3.274 $\chi^2/\text{NDF}: 16.8/14$

Right Out: 11.423 ± 4.080 $\chi^2/\text{NDF}: 23.0/18$

Left In: -5.069 ± 3.304 $\chi^2/\text{NDF}: 19.5/13$

Left: -1.857 ± 2.325 $\chi^2/\text{NDF}: 38.2/28$

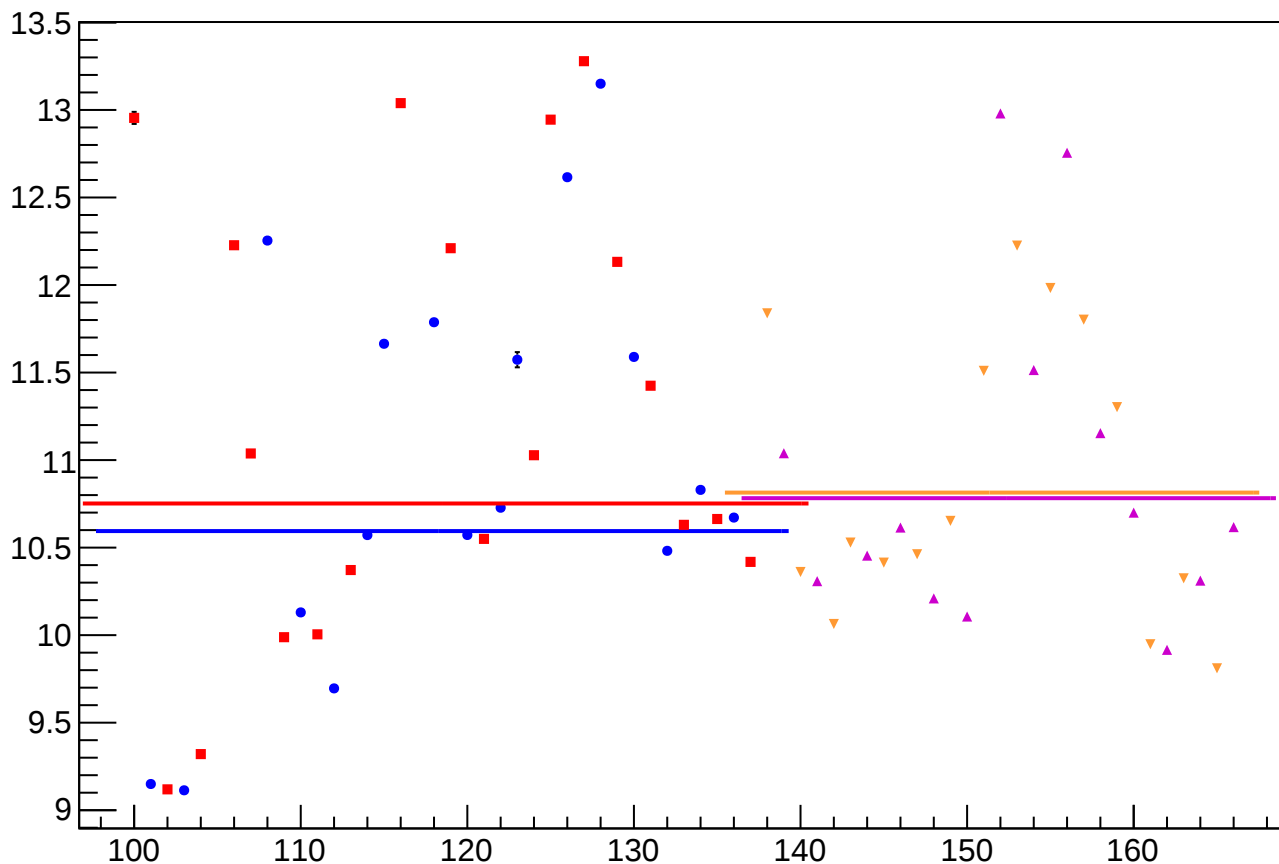
Right: 2.593 ± 2.912 $\chi^2/\text{NDF}: 51.8/35$

In: -5.652 ± 2.586 $\chi^2/\text{NDF}: 38.9/30$

Out: 5.264 ± 2.553 $\chi^2/\text{NDF}: 43.5/33$

All: -0.124 ± 1.817 $\chi^2/\text{NDF}: 91.5/64$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.814 $\pm$ 0.002 χ^2 /NDF:106321.6/14

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

Left In: 10.782 $\pm$ 0.002 χ^2 /NDF:124507.5/13

Left: 10.798 $\pm$ 0.002 χ^2 /NDF: 230923.7/28

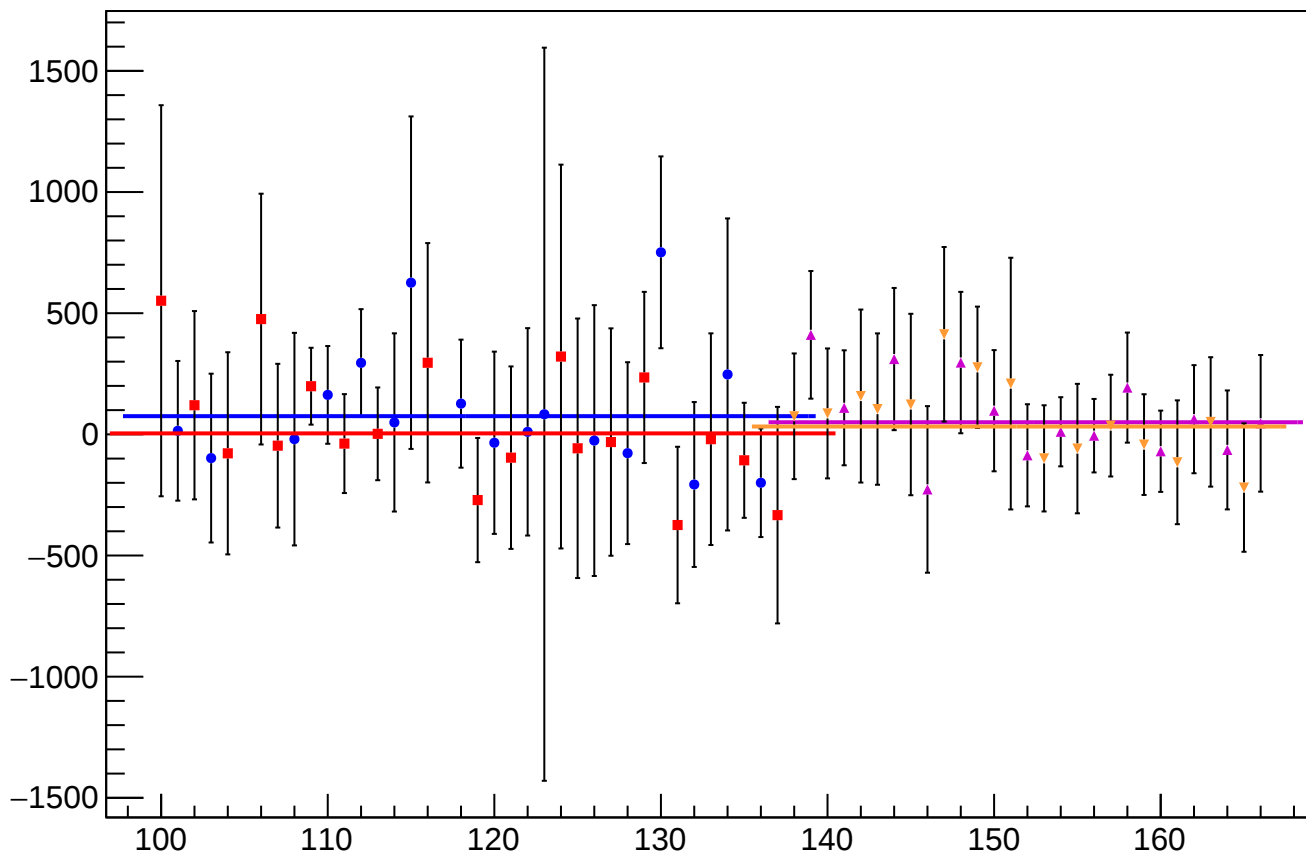
Right: 10.675 $\pm$ 0.002 χ^2 /NDF: 338695.4/35

In: 10.710 $\pm$ 0.002 χ^2 /NDF:287070.4/30

Out: 10.790 $\pm$ 0.002 χ^2 /NDF:283778.4/33

All: 10.750 $\pm$ 0.001 χ^2 /NDF: 571825.1/64

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086+/-80.352 χ^2/NDF : 7.7/16

Left Out: 32.344+/-69.736 χ^2/NDF : 4.3/14

Right Out: 3.999+/-70.883 χ^2/NDF : 7.3/18

Left In: 49.964+/-57.802 χ^2/NDF : 5.9/13

Left: 42.789+/-44.502 χ^2/NDF : 10.3/28

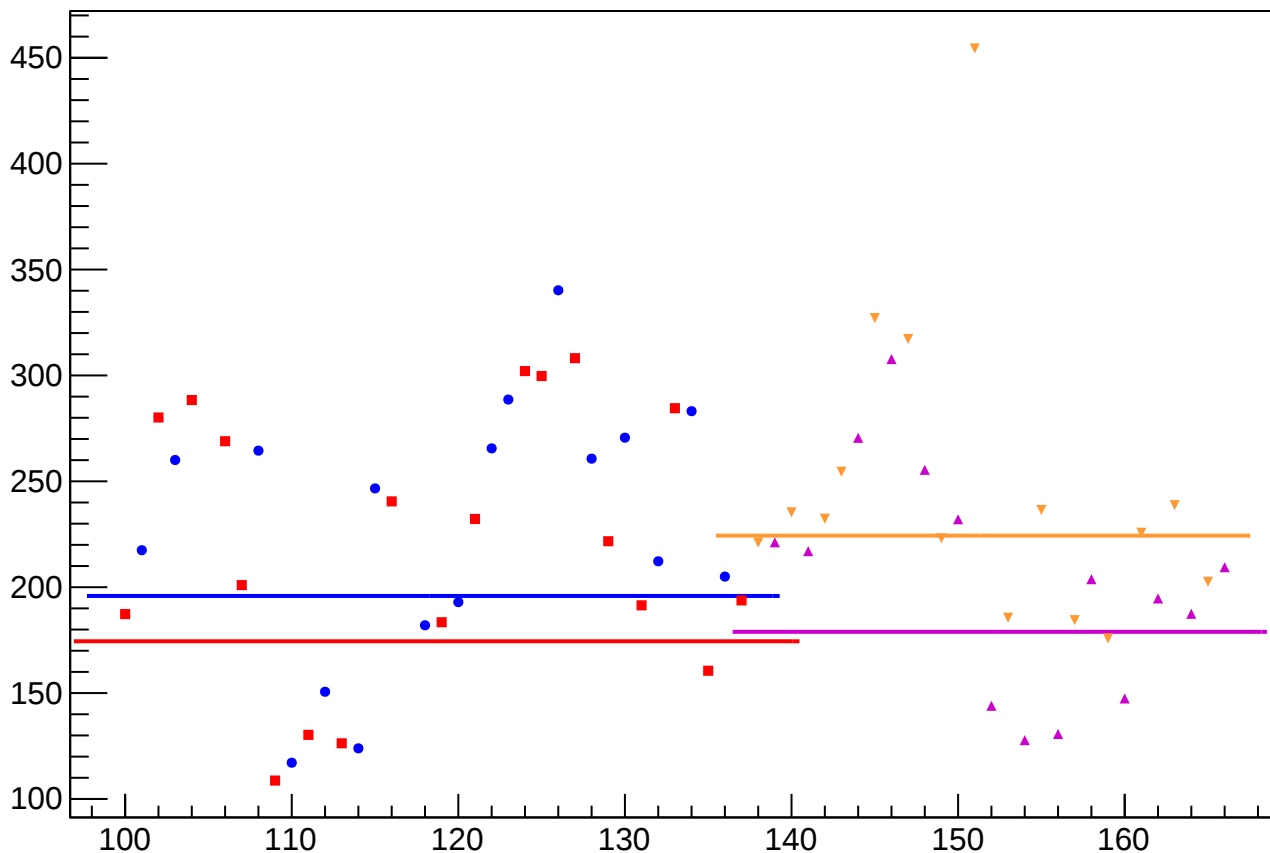
Right: 35.109+/-53.156 χ^2/NDF : 15.5/35

In: 58.531+/-46.923 χ^2/NDF : 13.6/30

Out: 18.403+/-49.711 χ^2/NDF : 11.7/33

All: 39.624+/-34.123 χ^2/NDF : 25.7/64

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 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: 178.930 $\pm$ 0.041 χ^2 /NDF: 1451122.9/13

Left: 197.433 $\pm$ 0.031 χ^2 /NDF: 2921058.9/28

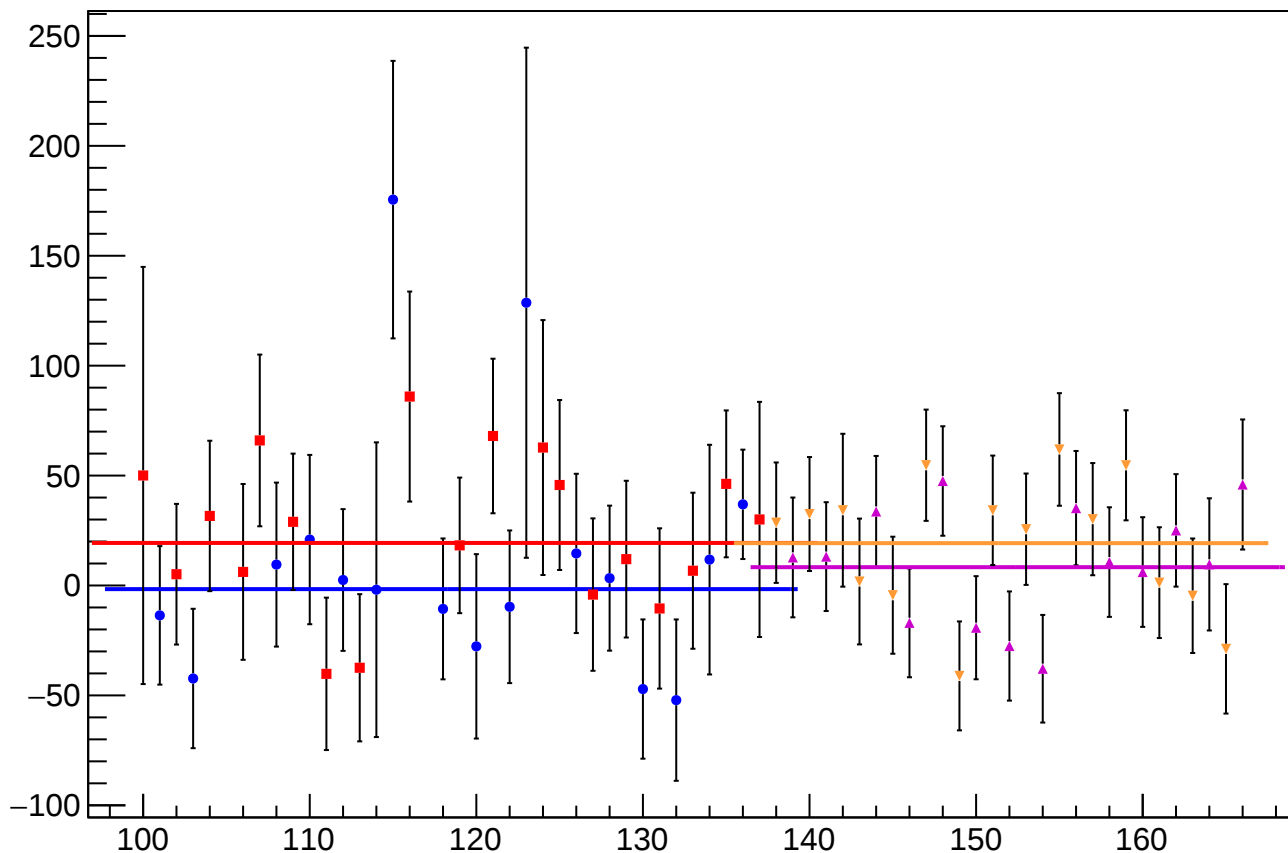
Right: 183.832 $\pm$ 0.038 χ^2 /NDF: 2587830.9/35

In: 184.706 $\pm$ 0.033 χ^2 /NDF: 2488943.7/30

Out: 199.822 $\pm$ 0.035 χ^2 /NDF: 2999128.7/33

All: 191.828 $\pm$ 0.024 χ^2 /NDF: 5585866.6/64

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 $\chi^2/\text{NDF}: 18.5/16$

Left Out: 19.259 ± 6.819 $\chi^2/\text{NDF}: 19.0/14$

Right Out: 19.357 ± 8.556 $\chi^2/\text{NDF}: 14.8/18$

Left In: 8.327 ± 6.841 $\chi^2/\text{NDF}: 14.8/13$

Left: 13.810 ± 4.830 $\chi^2/\text{NDF}: 35.1/28$

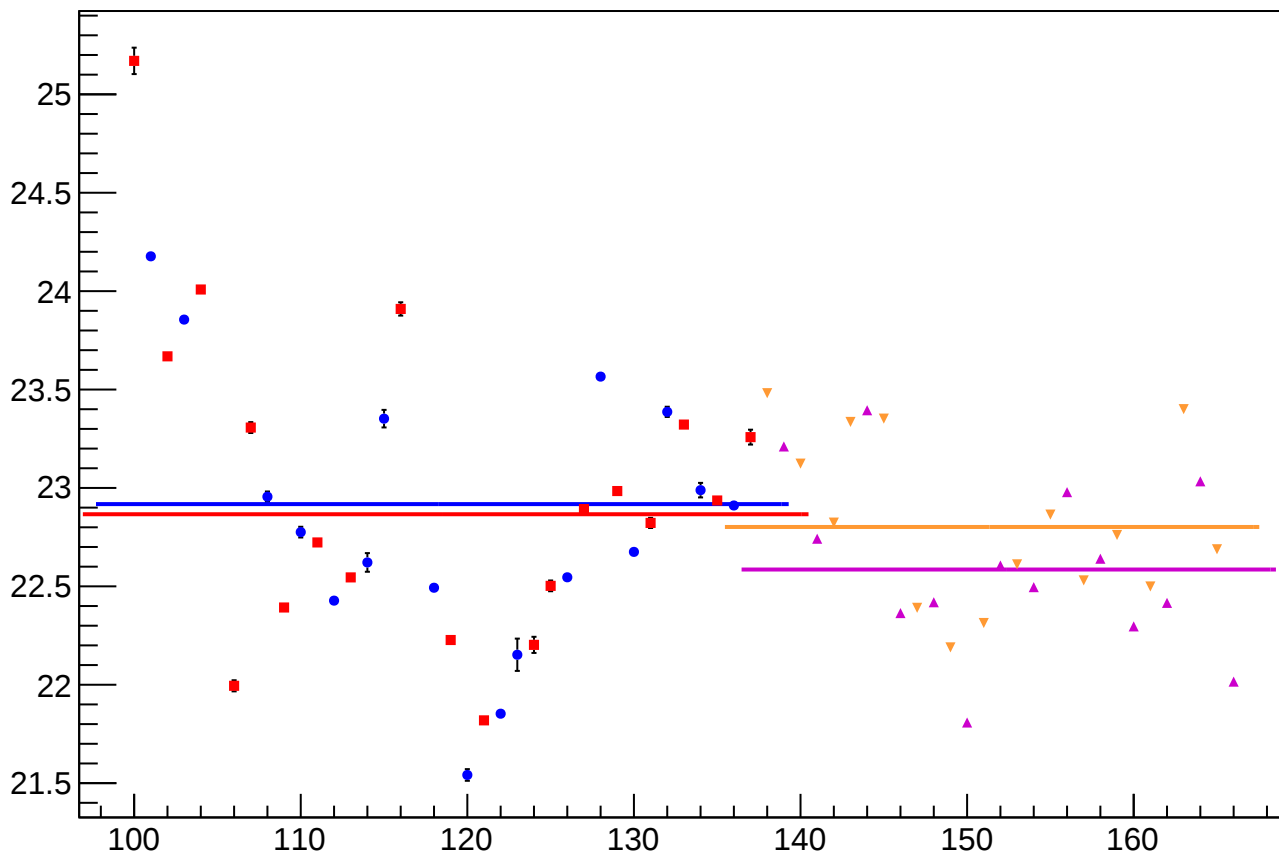
Right: 9.244 ± 6.162 $\chi^2/\text{NDF}: 36.2/35$

In: 4.610 ± 5.419 $\chi^2/\text{NDF}: 34.1/30$

Out: 19.297 ± 5.333 $\chi^2/\text{NDF}: 33.8/33$

All: 12.072 ± 3.801 $\chi^2/\text{NDF}: 71.6/64$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918 ± 0.006 $\chi^2/\text{NDF}: 11472.2/16$

Left Out: 22.802 ± 0.005 $\chi^2/\text{NDF}: 7338.2/14$

Right Out: 22.866 ± 0.006 $\chi^2/\text{NDF}: 11052.6/18$

Left In: 22.585 ± 0.005 $\chi^2/\text{NDF}: 7669.8/13$

Left: 22.694 ± 0.003 $\chi^2/\text{NDF}: 16010.2/28$

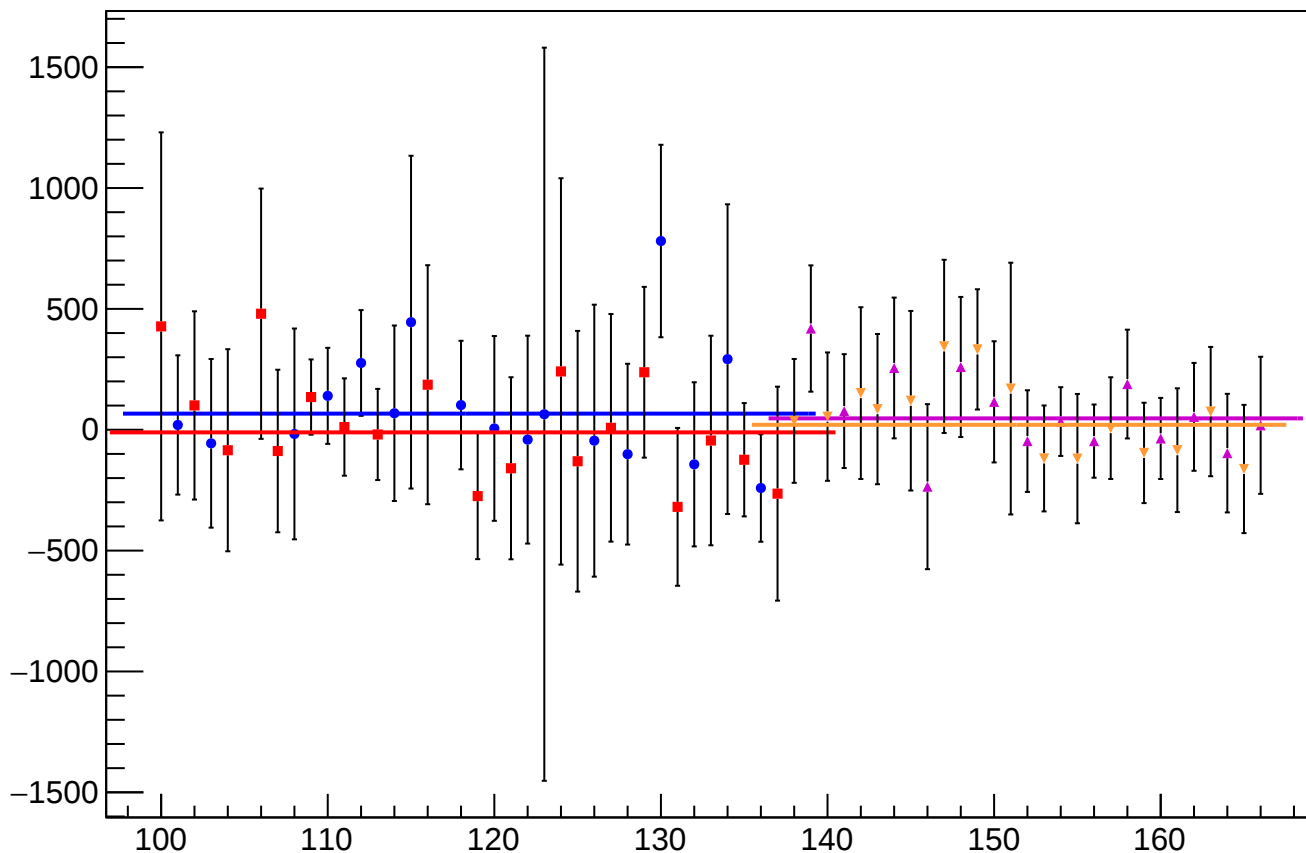
Right: 22.891 ± 0.004 $\chi^2/\text{NDF}: 22559.6/35$

In: 22.709 ± 0.004 $\chi^2/\text{NDF}: 20900.5/30$

Out: 22.827 ± 0.004 $\chi^2/\text{NDF}: 18460.7/33$

All: 22.769 ± 0.003 $\chi^2/\text{NDF}: 39839.5/64$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 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: 47.025 $\pm$ 57.637 χ^2 /NDF:5.4/13

Left: 36.177 $\pm$ 44.384 χ^2 /NDF: 10.0/28

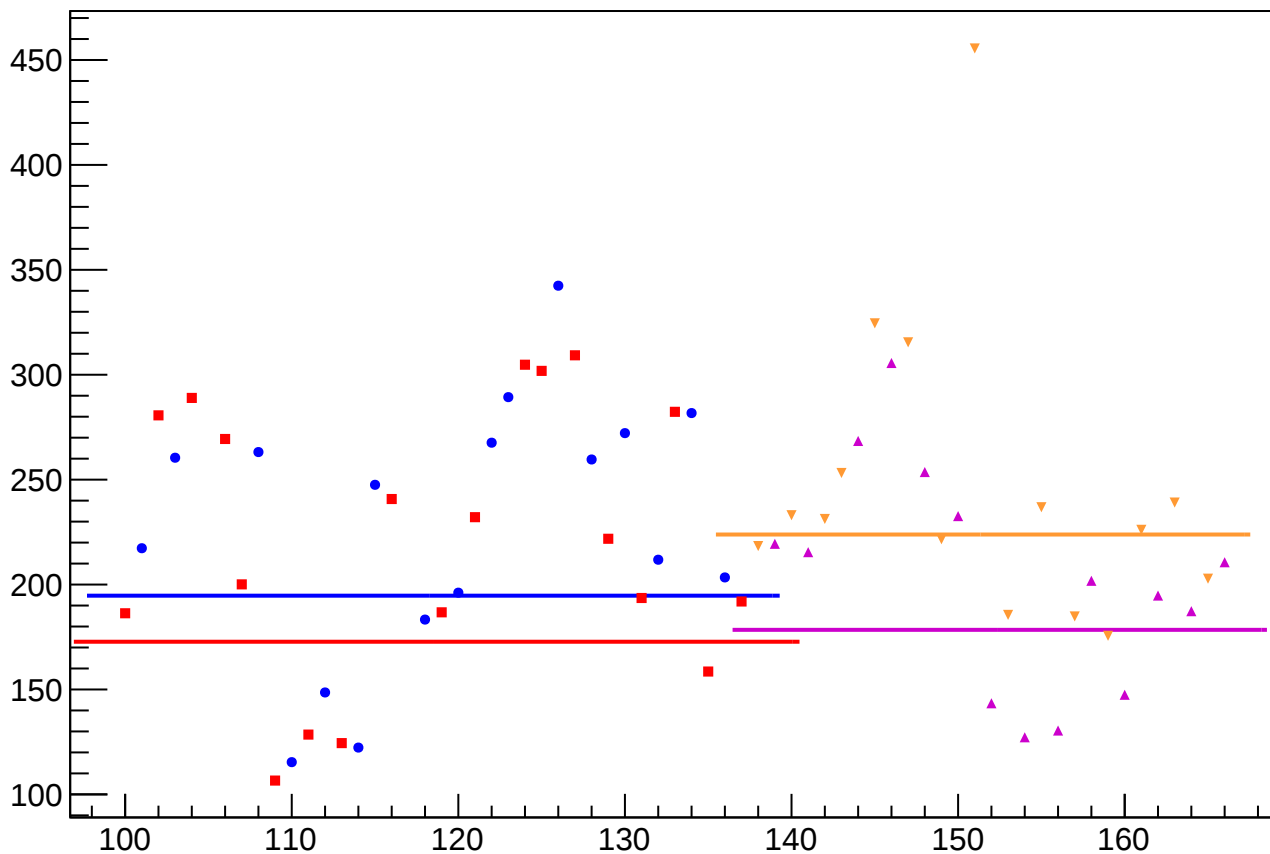
Right: 22.979 $\pm$ 52.843 χ^2 /NDF: 13.8/35

In: 53.749 $\pm$ 46.763 χ^2 /NDF:13.0/30

Out: 4.934 $\pm$ 49.479 χ^2 /NDF:10.2/33

All: 30.718 $\pm$ 33.986 χ^2 /NDF: 23.8/64

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 223.849+/-0.049 χ^2/NDF : 957559.9/14

Right Out: 172.753+/-0.050 χ^2/NDF : 1596944.9/18

Left In: 178.420+/-0.041 χ^2/NDF : 1440199.7/13

Left: 196.910+/-0.031 χ^2/NDF : 2903453.8/28

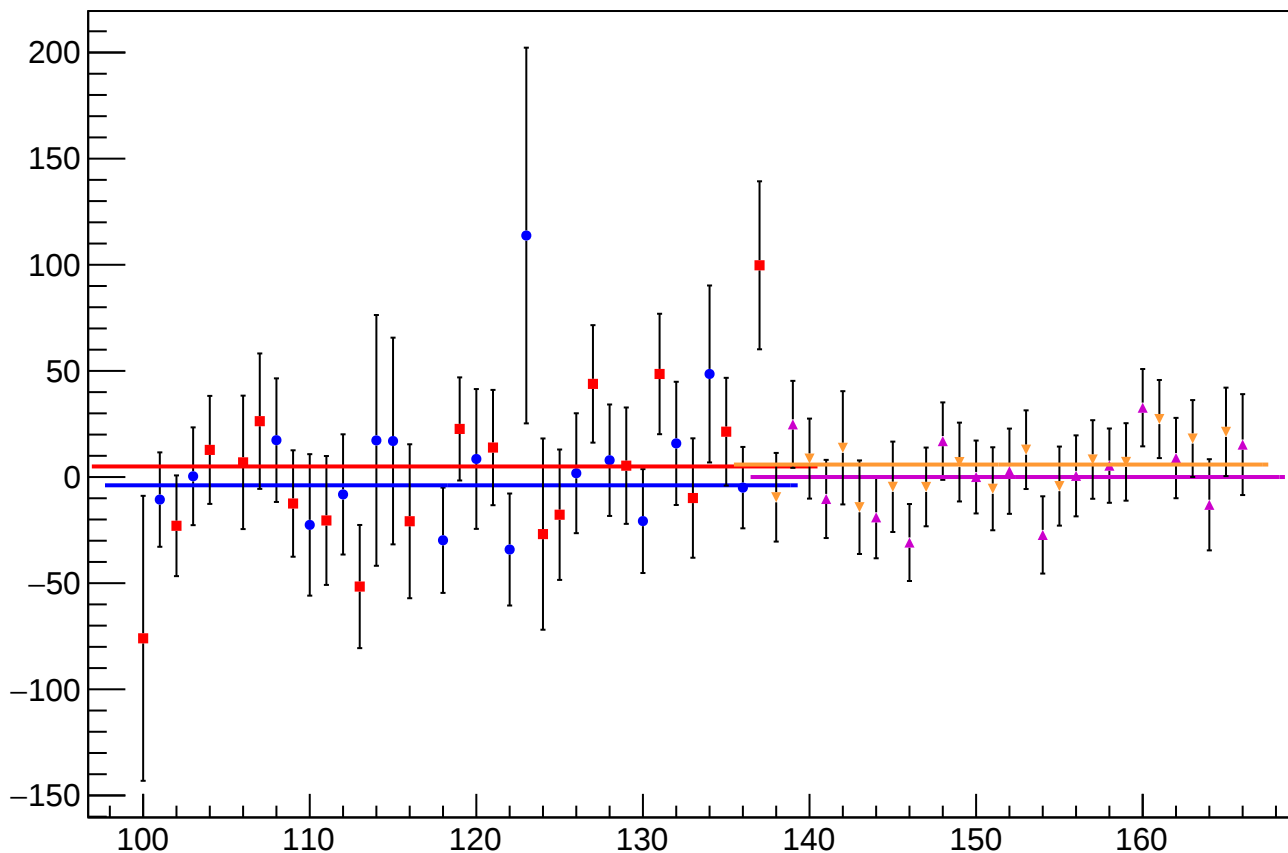
Right: 182.331+/-0.037 χ^2/NDF : 2701685.9/35

In: 183.985+/-0.033 χ^2/NDF : 2514615.2/30

Out: 198.599+/-0.035 χ^2/NDF : 3087625.7/33

All: 190.880+/-0.024 χ^2/NDF : 5694403.1/64

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 5.885 ± 5.049 χ^2/NDF : 5.2/14

Right Out: 4.985 ± 6.727 χ^2/NDF : 21.3/18

Left In: 0.013 ± 5.083 χ^2/NDF : 13.1/13

Left: 2.968 ± 3.582 χ^2/NDF : 19.0/28

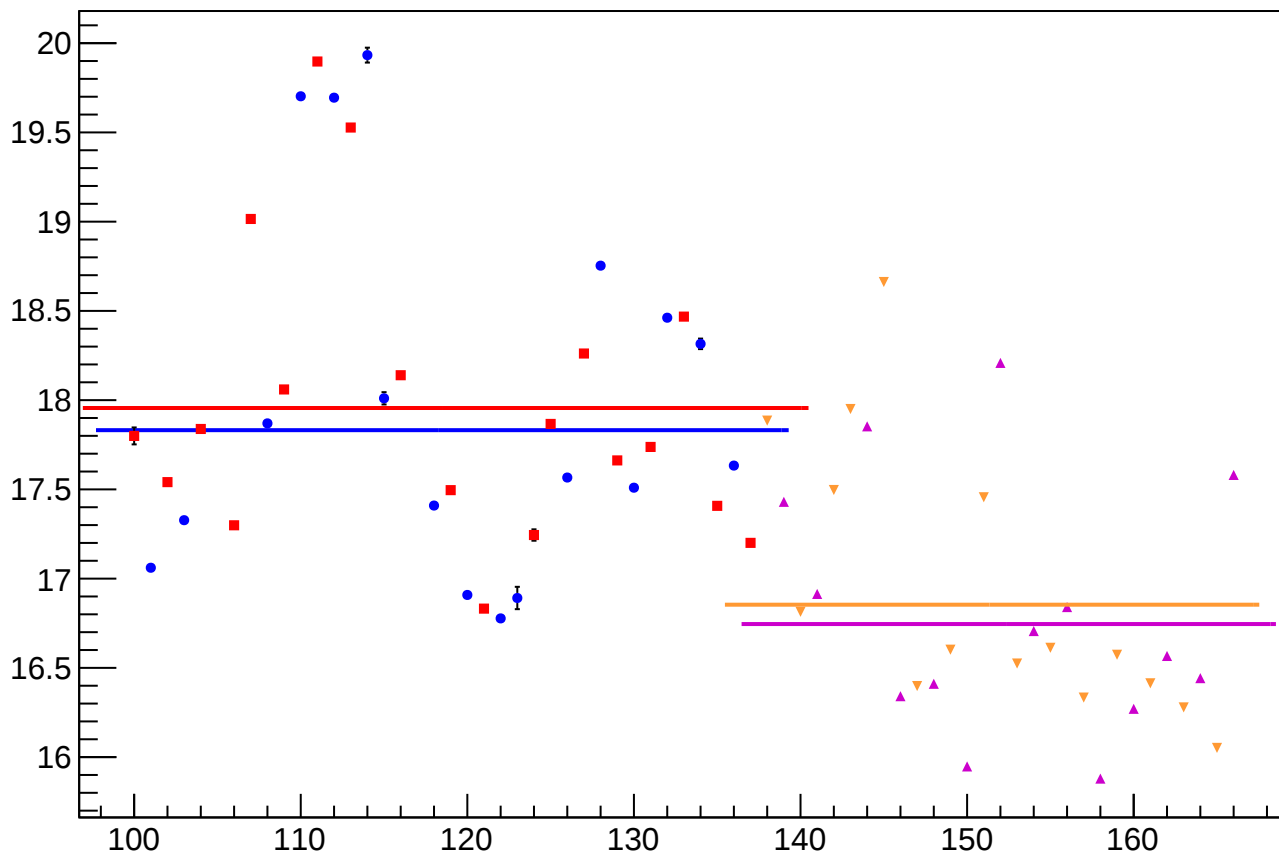
Right: 0.668 ± 4.822 χ^2/NDF : 30.6/35

In: -1.358 ± 4.095 χ^2/NDF : 21.7/30

Out: 5.561 ± 4.038 χ^2/NDF : 26.6/33

All: 2.150 ± 2.875 χ^2/NDF : 49.7/64

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 ± 0.005 $\chi^2/\text{NDF}: 30863.4/16$

Left Out: 16.854 ± 0.004 $\chi^2/\text{NDF}: 38039.4/14$

Right Out: 17.956 ± 0.005 $\chi^2/\text{NDF}: 25448.9/18$

Left In: 16.746 ± 0.004 $\chi^2/\text{NDF}: 34958.6/13$

Left: 16.800 ± 0.003 $\chi^2/\text{NDF}: 73456.0/28$

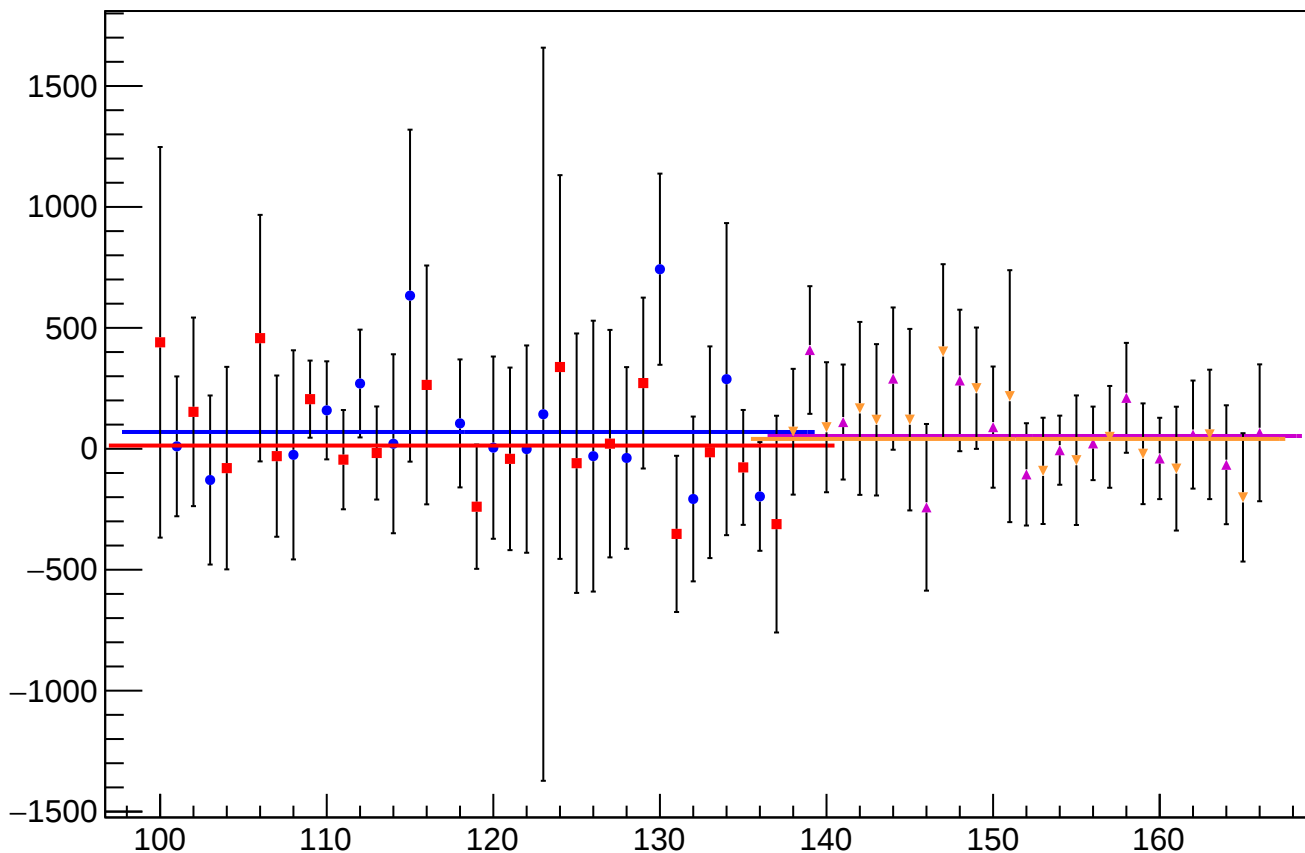
Right: 17.896 ± 0.003 $\chi^2/\text{NDF}: 56643.8/35$

In: 17.127 ± 0.003 $\chi^2/\text{NDF}: 97860.9/30$

Out: 17.251 ± 0.003 $\chi^2/\text{NDF}: 97820.0/33$

All: 17.190 ± 0.002 $\chi^2/\text{NDF}: 196619.6/64$

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 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: 52.937 $\pm$ 57.922 χ^2 /NDF:5.7/13

Left: 47.995 $\pm$ 44.597 χ^2 /NDF: 9.4/28

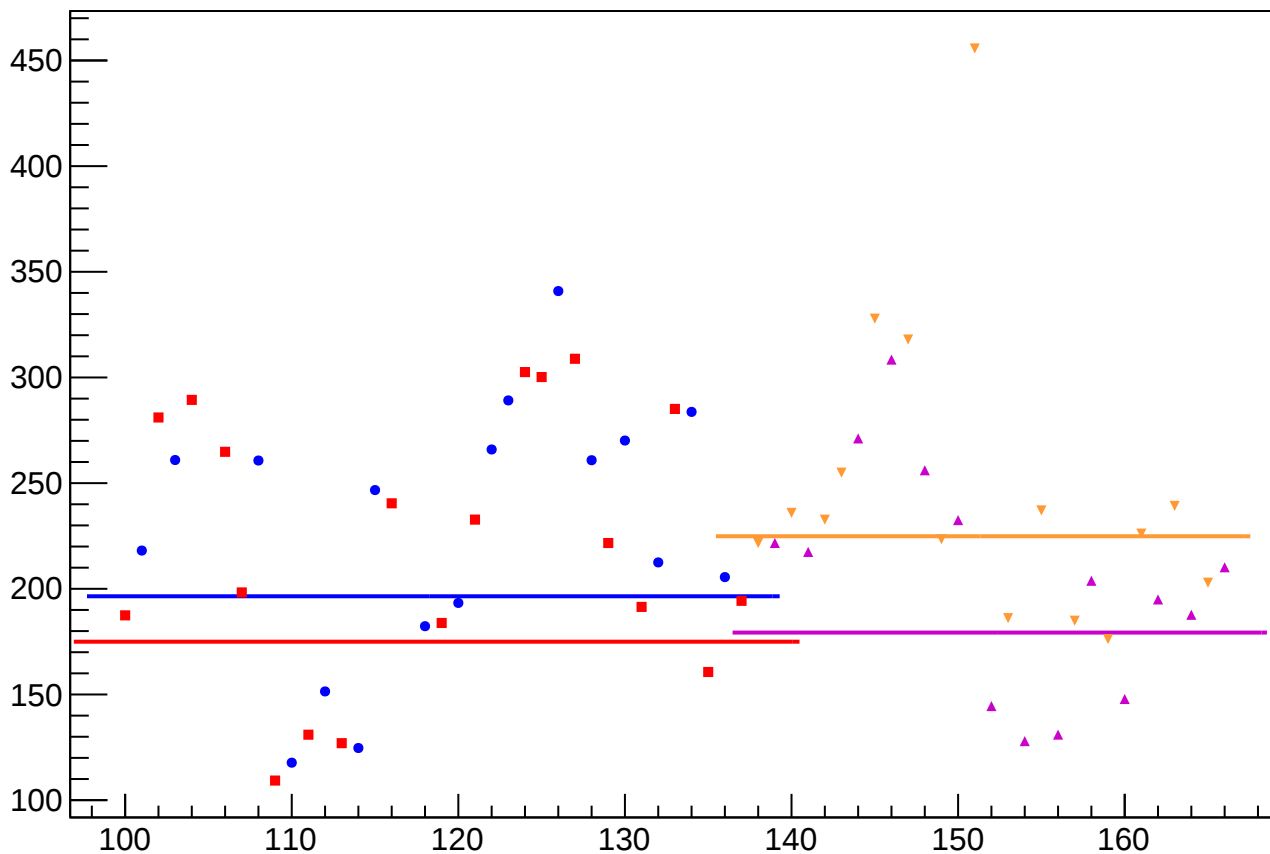
Right: 37.955 $\pm$ 53.280 χ^2 /NDF: 14.4/35

In: 58.586 $\pm$ 47.026 χ^2 /NDF:13.1/30

Out: 27.328 $\pm$ 49.823 χ^2 /NDF:10.5/33

All: 43.859 $\pm$ 34.198 χ^2 /NDF: 23.8/64

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470+/-0.057 χ^2/NDF : 964281.5/16

Left Out: 224.865+/-0.049 χ^2/NDF : 966732.0/14

Right Out: 174.981+/-0.050 χ^2/NDF : 1511102.3/18

Left In: 179.300+/-0.041 χ^2/NDF : 1450803.6/13

Left: 197.852+/-0.032 χ^2/NDF : 2921481.9/28

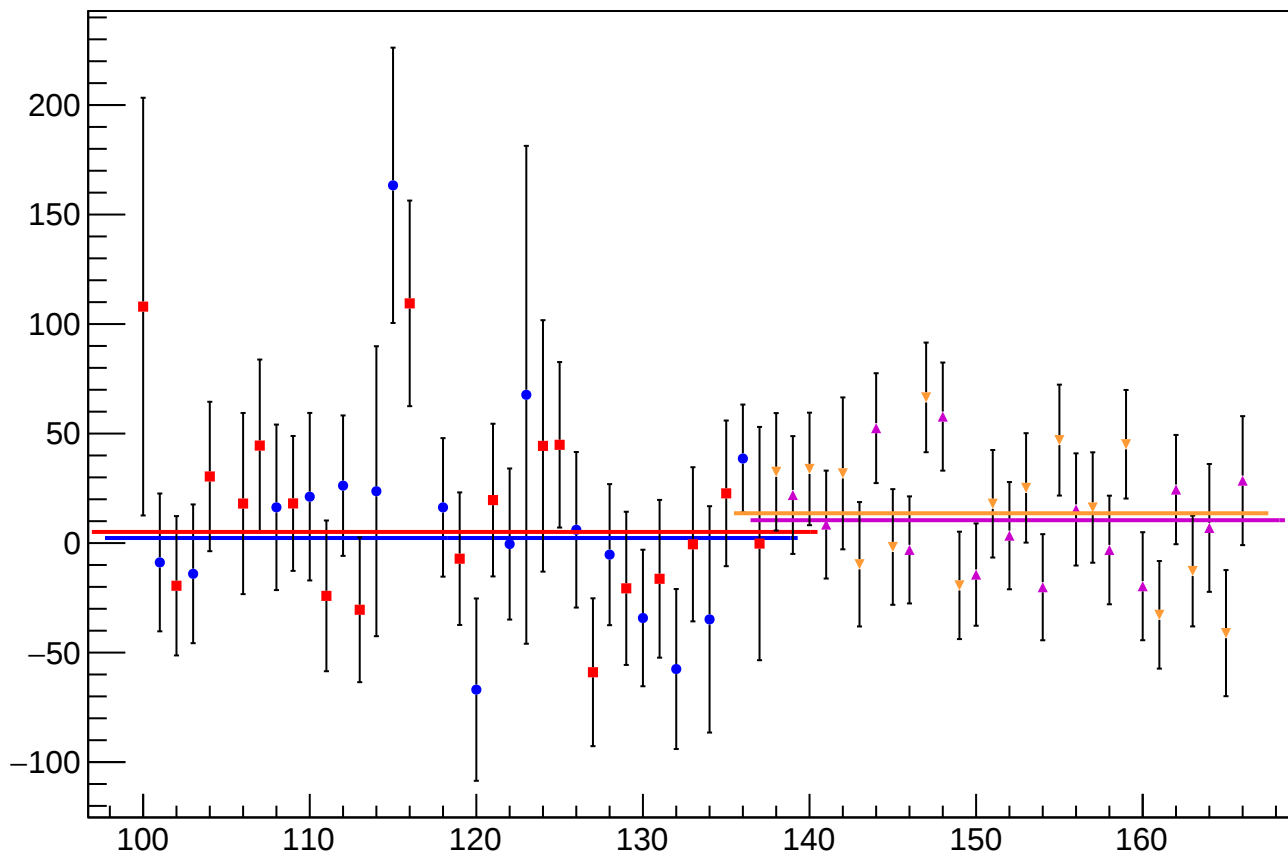
Right: 184.383+/-0.038 χ^2/NDF : 2555448.8/35

In: 185.152+/-0.033 χ^2/NDF : 2474990.8/30

Out: 200.330+/-0.035 χ^2/NDF : 2978934.4/33

All: 192.303+/-0.024 χ^2/NDF : 5552085.0/64

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 $\pm$ 8.805 χ^2 /NDF: 18.1/16

Left Out: 13.614 $\pm$ 6.723 χ^2 /NDF:20.6/14

Right Out: 5.089 $\pm$ 8.479 χ^2 /NDF: 17.1/18

Left In: 10.443 $\pm$ 6.762 χ^2 /NDF:12.3/13

Left: 12.037 $\pm$ 4.768 χ^2 /NDF: 33.0/28

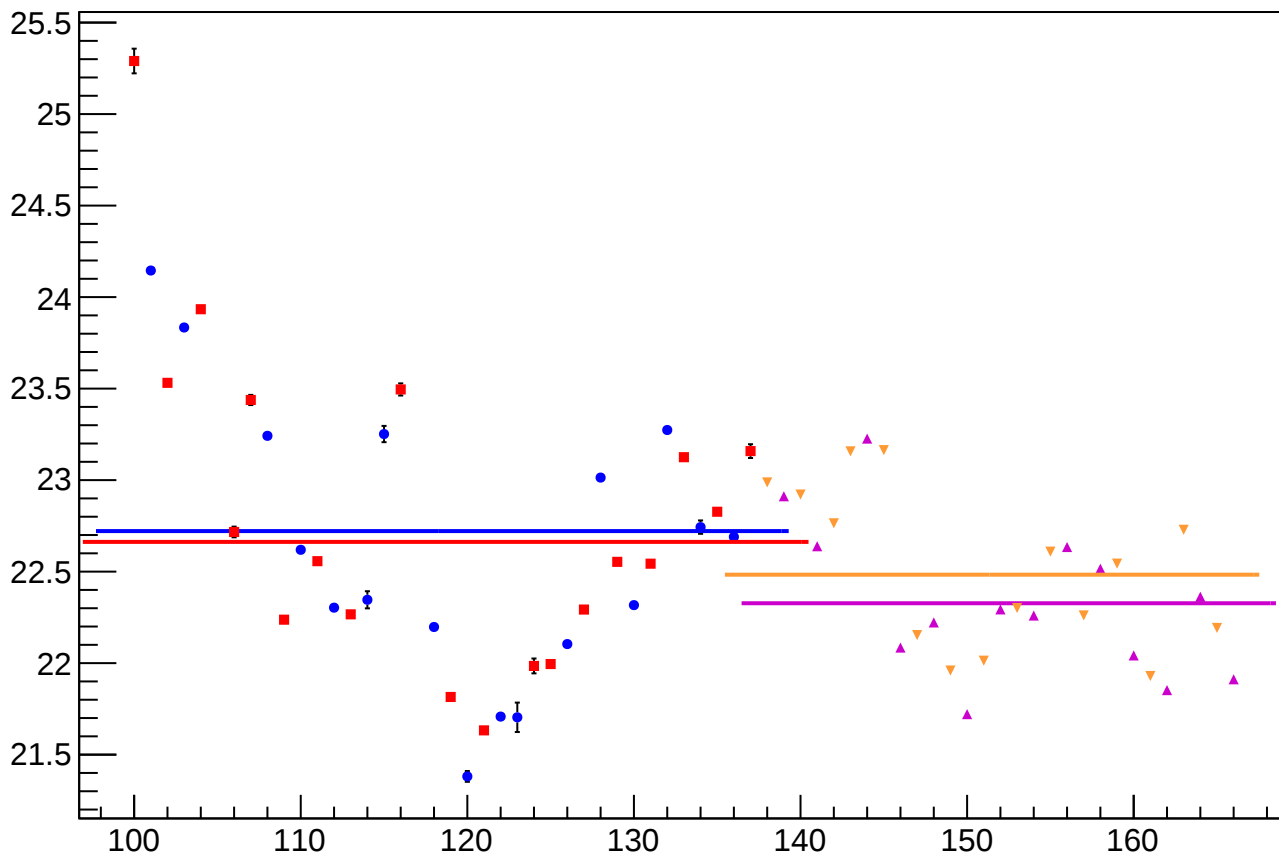
Right: 3.750 $\pm$ 6.108 χ^2 /NDF: 35.3/35

In: 7.425 $\pm$ 5.363 χ^2 /NDF:31.0/30

Out: 10.323 $\pm$ 5.268 χ^2 /NDF:38.3/33

All: 8.900 $\pm$ 3.758 χ^2 /NDF: 69.4/64

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.483 $\pm$ 0.005 χ^2 /NDF: 7598.9/14

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

Left In: 22.327 $\pm$ 0.005 χ^2 /NDF: 7232.4/13

Left: 22.406 $\pm$ 0.003 χ^2 /NDF: 15367.0/28

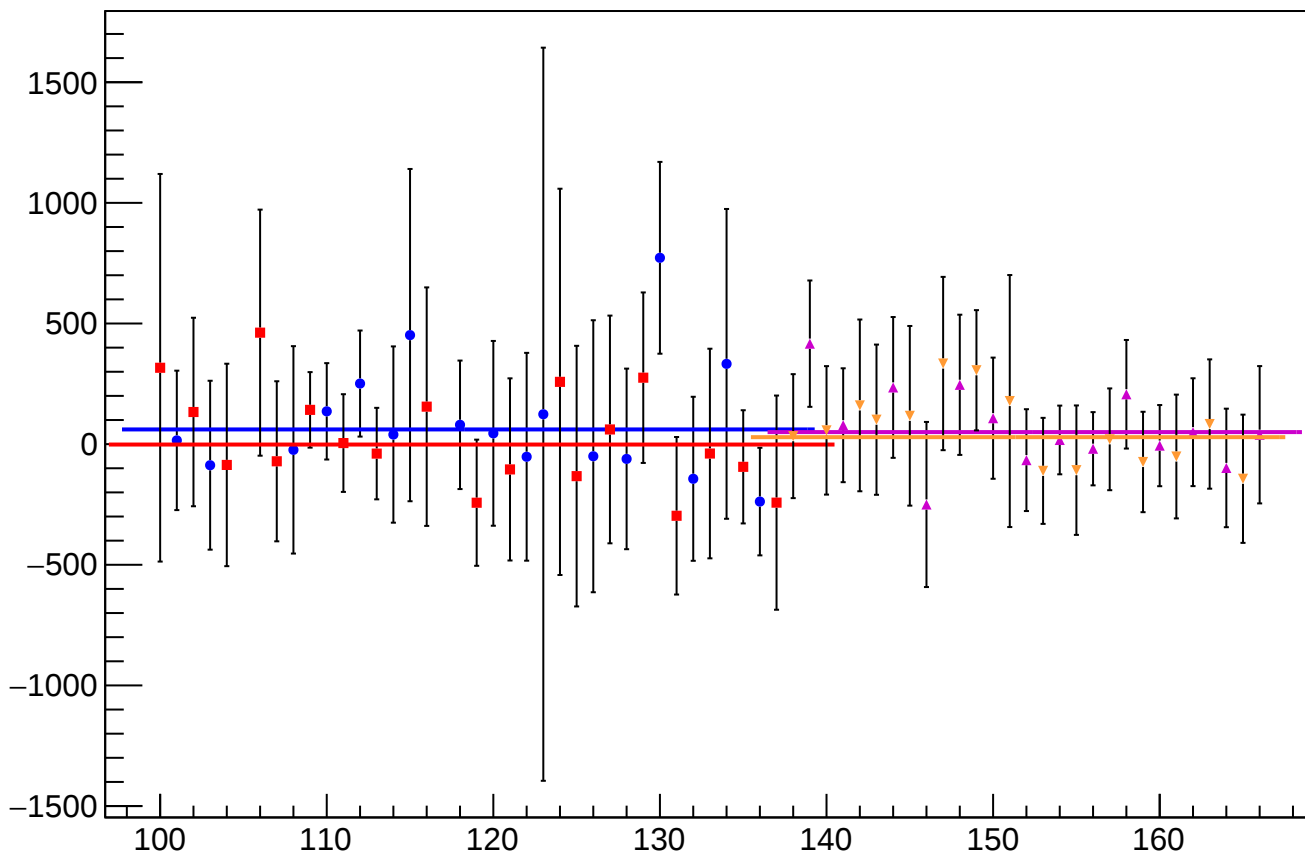
Right: 22.691 $\pm$ 0.004 χ^2 /NDF: 26582.8/35

In: 22.473 $\pm$ 0.004 χ^2 /NDF: 23335.8/30

Out: 22.552 $\pm$ 0.004 χ^2 /NDF: 21102.5/33

All: 22.514 $\pm$ 0.003 χ^2 /NDF: 44659.0/64

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 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: 49.925 $\pm$ 57.756 χ^2 /NDF: 5.2/13

Left: 41.374 $\pm$ 44.479 χ^2 /NDF: 9.0/28

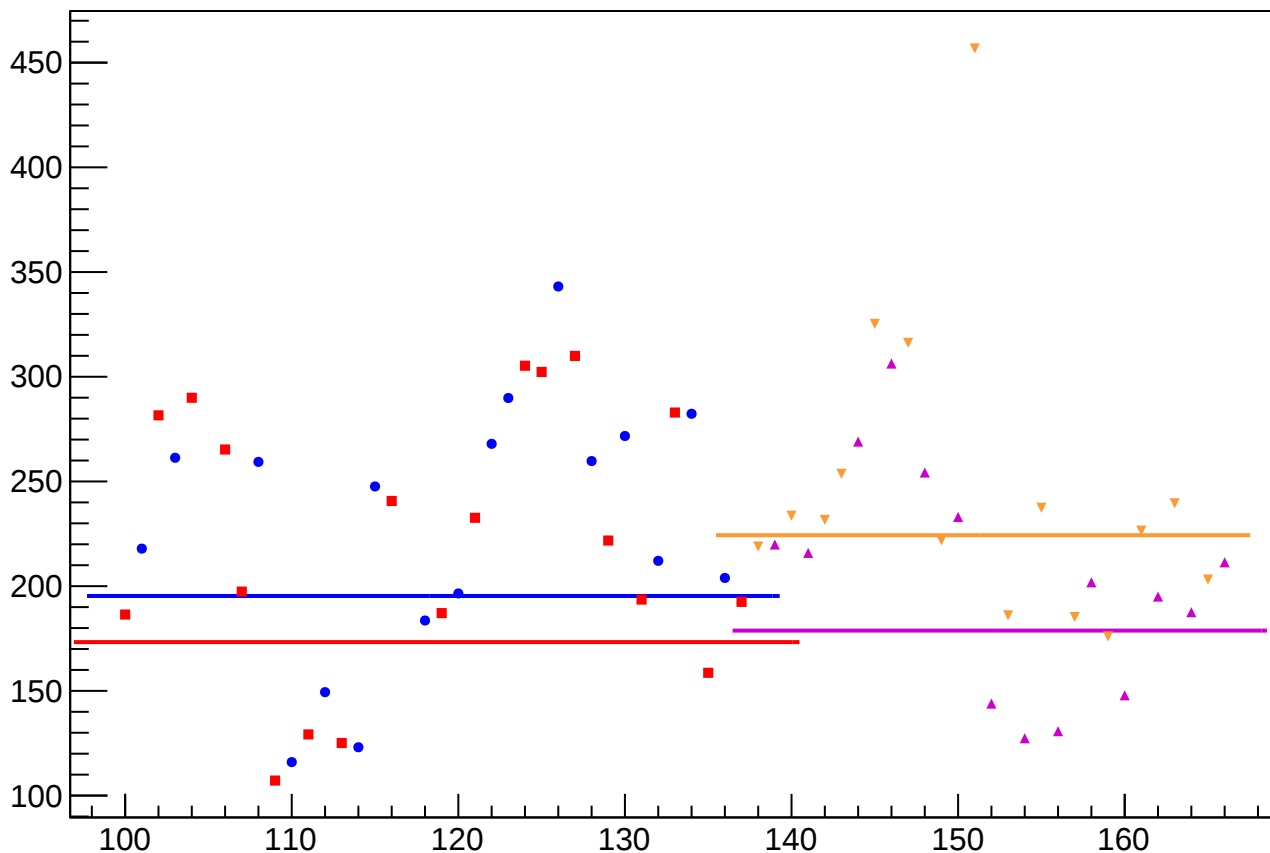
Right: 25.666 $\pm$ 52.970 χ^2 /NDF: 12.7/35

In: 53.694 $\pm$ 46.867 χ^2 /NDF: 12.4/30

Out: 13.811 $\pm$ 49.592 χ^2 /NDF: 9.0/33

All: 34.878 $\pm$ 34.063 χ^2 /NDF: 21.8/64

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 224.347+/-0.049 χ^2/NDF : 957623.3/14

Right Out: 173.285+/-0.050 χ^2/NDF : 1578382.8/18

Left In: 178.788+/-0.041 χ^2/NDF : 1439973.9/13

Left: 197.328+/-0.031 χ^2/NDF : 2903999.4/28

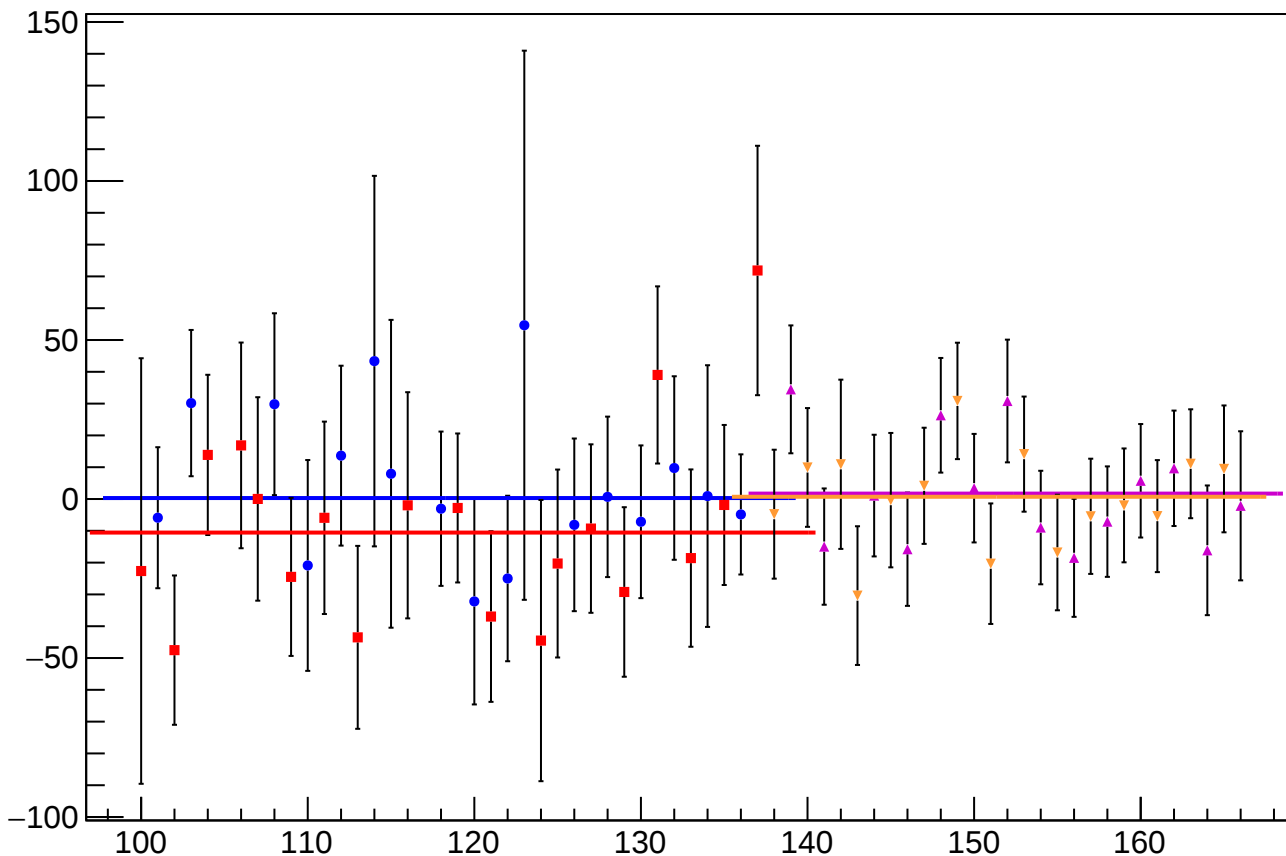
Right: 182.896+/-0.037 χ^2/NDF : 2667678.3/35

In: 184.433+/-0.033 χ^2/NDF : 2500117.3/30

Out: 199.116+/-0.035 χ^2/NDF : 3066015.3/33

All: 191.360+/-0.024 χ^2/NDF : 5658742.6/64

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 $\chi^2/\text{NDF}: 6.8/16$

Left Out: 0.706 ± 4.925 $\chi^2/\text{NDF}: 8.8/14$

Right Out: -10.553 ± 6.628 $\chi^2/\text{NDF}: 16.0/18$

Left In: 1.700 ± 4.981 $\chi^2/\text{NDF}: 11.4/13$

Left: 1.197 ± 3.502 $\chi^2/\text{NDF}: 20.2/28$

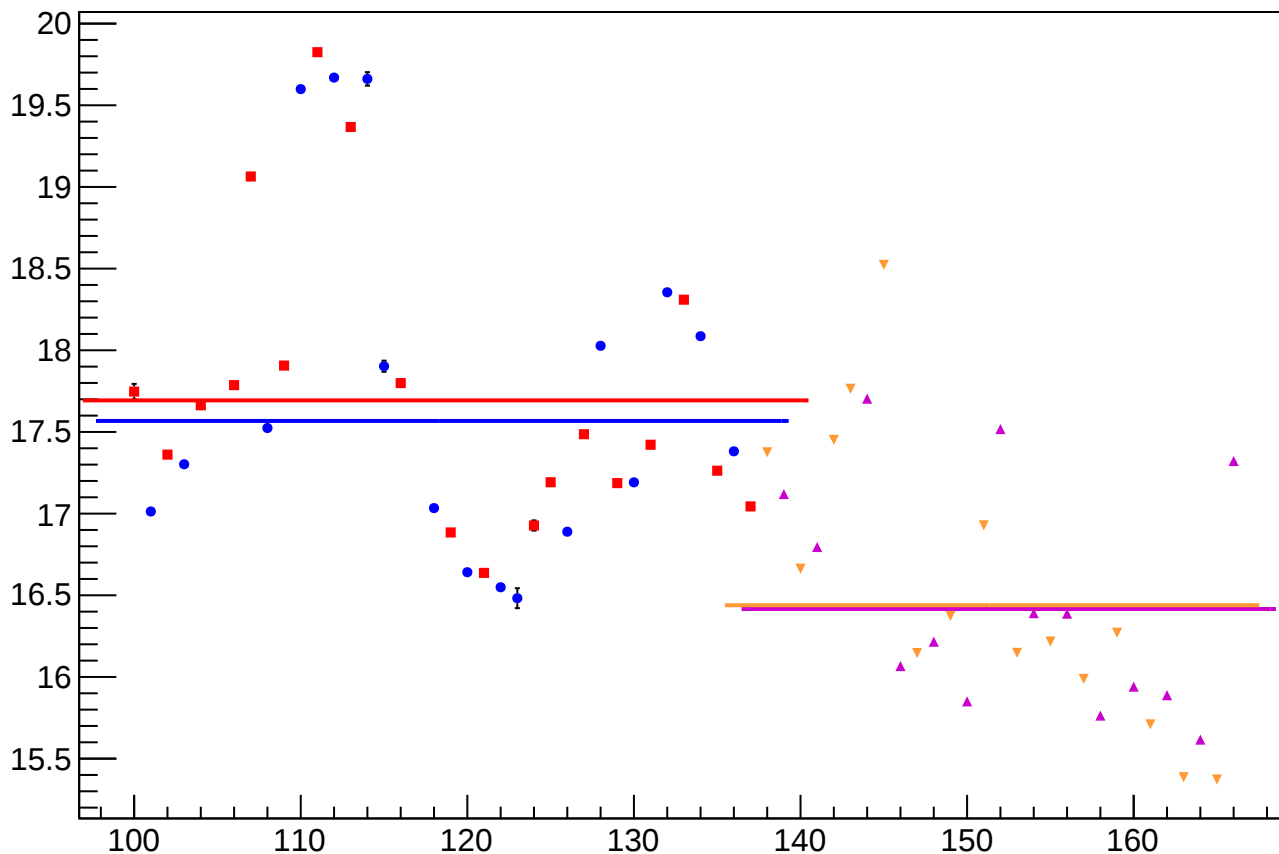
Right: -5.273 ± 4.751 $\chi^2/\text{NDF}: 24.1/35$

In: 1.214 ± 4.021 $\chi^2/\text{NDF}: 18.2/30$

Out: -3.299 ± 3.953 $\chi^2/\text{NDF}: 26.7/33$

All: -1.081 ± 2.819 $\chi^2/\text{NDF}: 45.6/64$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.439 $\pm$ 0.003 χ^2 /NDF:55098.7/14

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

Left In: 16.416 $\pm$ 0.004 χ^2 /NDF:34108.3/13

Left: 16.428 $\pm$ 0.002 χ^2 /NDF: 89228.7/28

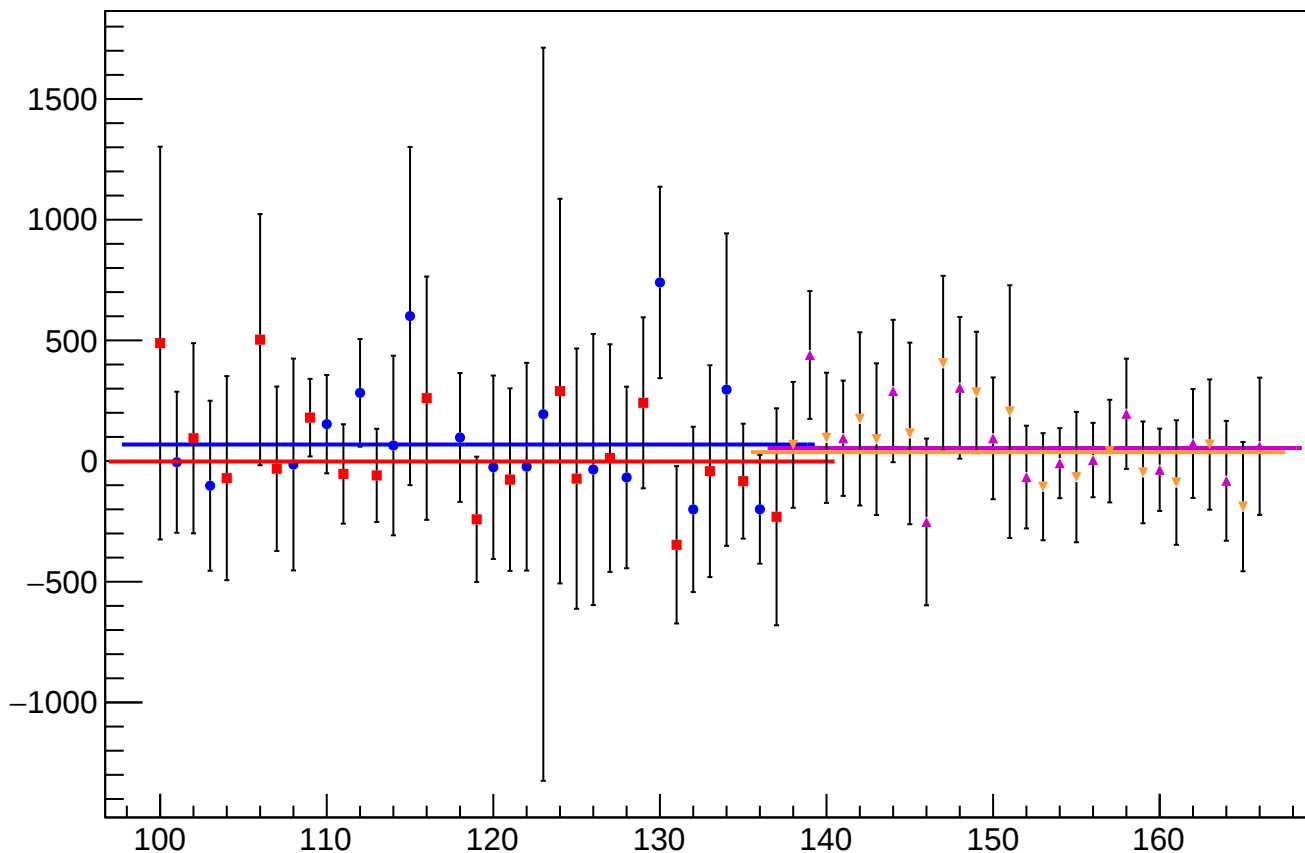
Right: 17.632 $\pm$ 0.003 χ^2 /NDF: 64262.5/35

In: 16.817 $\pm$ 0.003 χ^2 /NDF:104476.0/30

Out: 16.885 $\pm$ 0.003 χ^2 /NDF:131990.3/33

All: 16.852 $\pm$ 0.002 χ^2 /NDF: 236758.5/64

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 37.075+/-70.385 χ^2/NDF : 4.1/14

Right Out: -1.831+/-71.538 χ^2/NDF : 6.1/18

Left In: 54.139+/-58.478 χ^2/NDF : 5.9/13

Left: 47.170+/-44.979 χ^2/NDF : 10.0/28

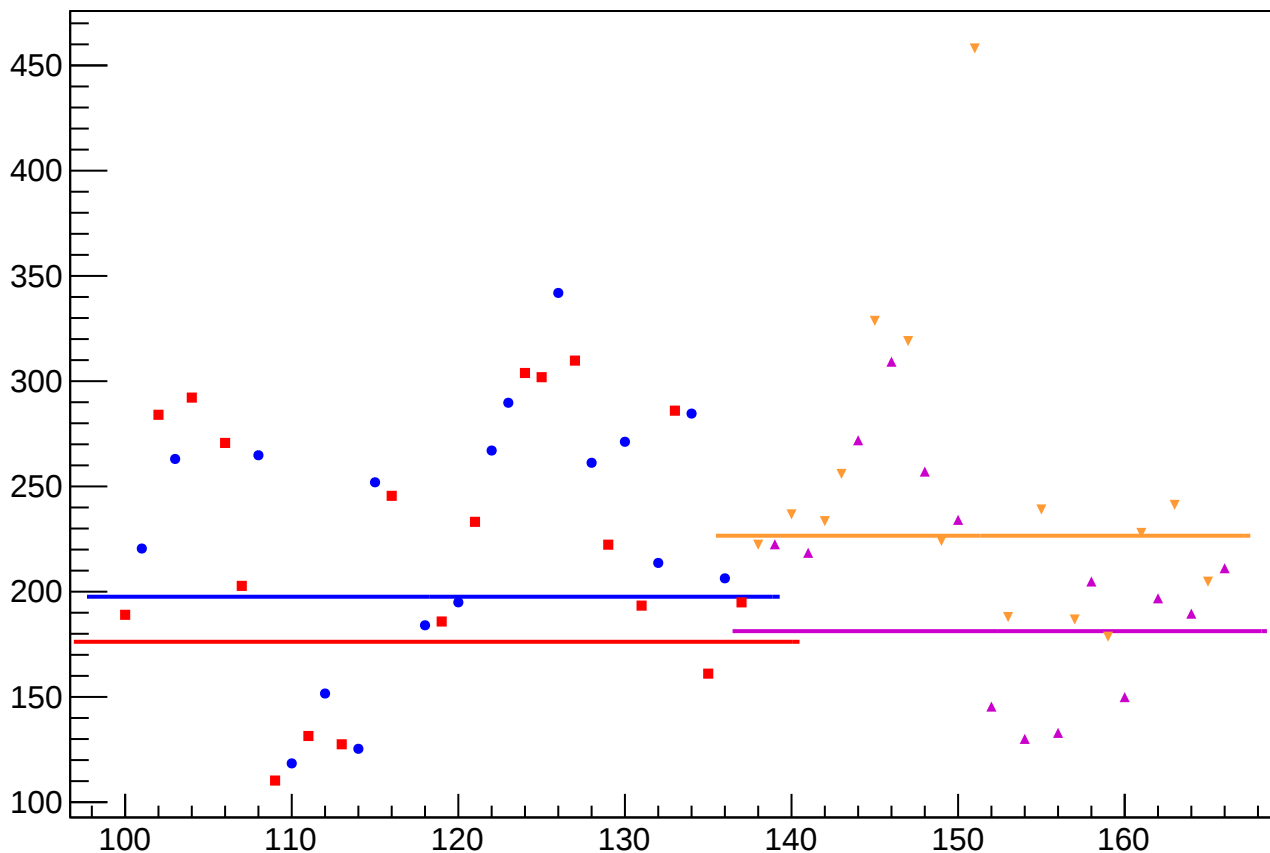
Right: 29.004+/-53.625 χ^2/NDF : 13.9/35

In: 59.076+/-47.417 χ^2/NDF : 13.2/30

Out: 17.938+/-50.172 χ^2/NDF : 10.3/33

All: 39.668+/-34.462 χ^2/NDF : 23.9/64

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 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: 181.253 $\pm$ 0.041 χ^2 /NDF: 1406441.0/13

Left: 199.768 $\pm$ 0.032 χ^2 /NDF: 2845374.4/28

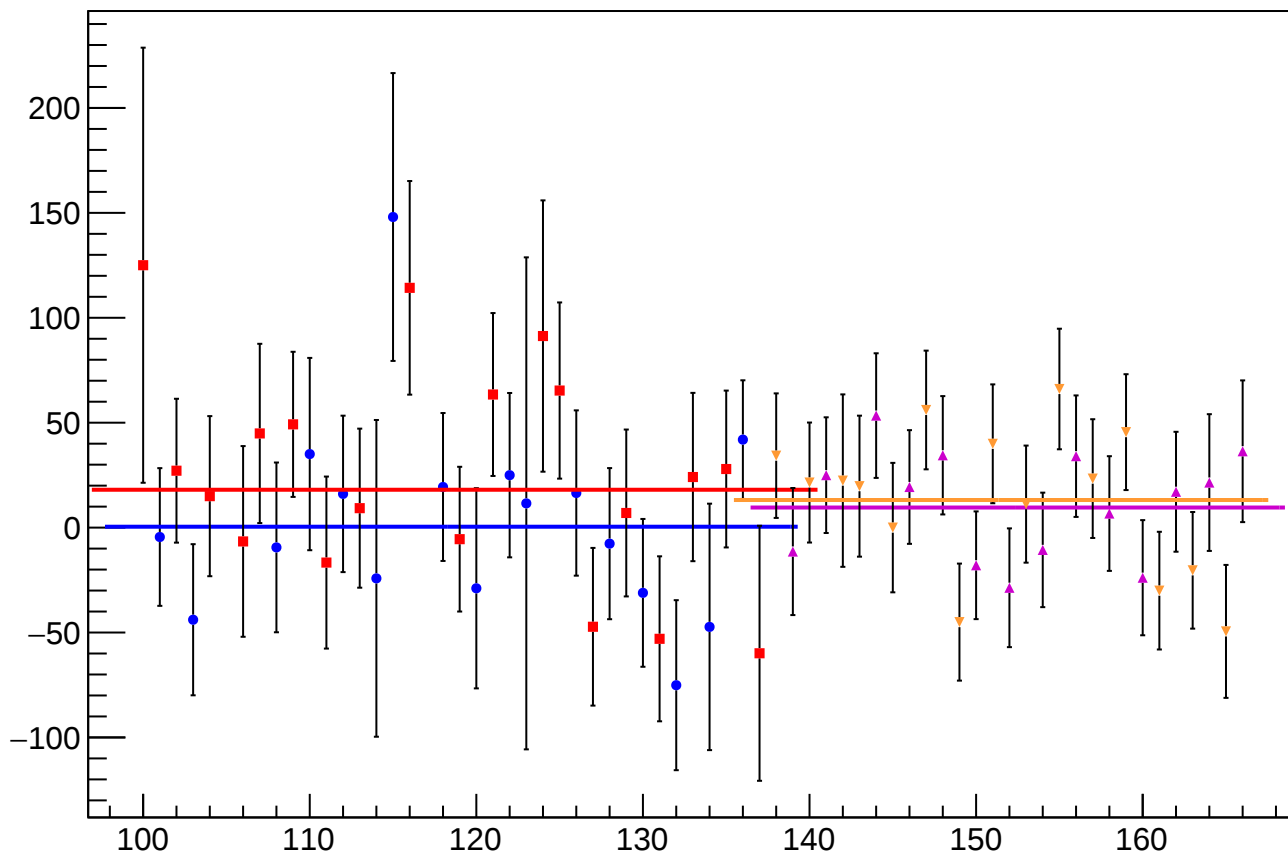
Right: 185.577 $\pm$ 0.038 χ^2 /NDF: 2567082.7/35

In: 186.854 $\pm$ 0.034 χ^2 /NDF: 2428820.3/30

Out: 201.805 $\pm$ 0.035 χ^2 /NDF: 2972039.5/33

All: 193.908 $\pm$ 0.024 χ^2 /NDF: 5494673.9/64

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 13.152 ± 7.605 χ^2/NDF : 21.0/14

Right Out: 18.044 ± 9.499 χ^2/NDF : 19.5/18

Left In: 9.571 ± 7.631 χ^2/NDF : 10.4/13

Left: 11.367 ± 5.387 χ^2/NDF : 31.6/28

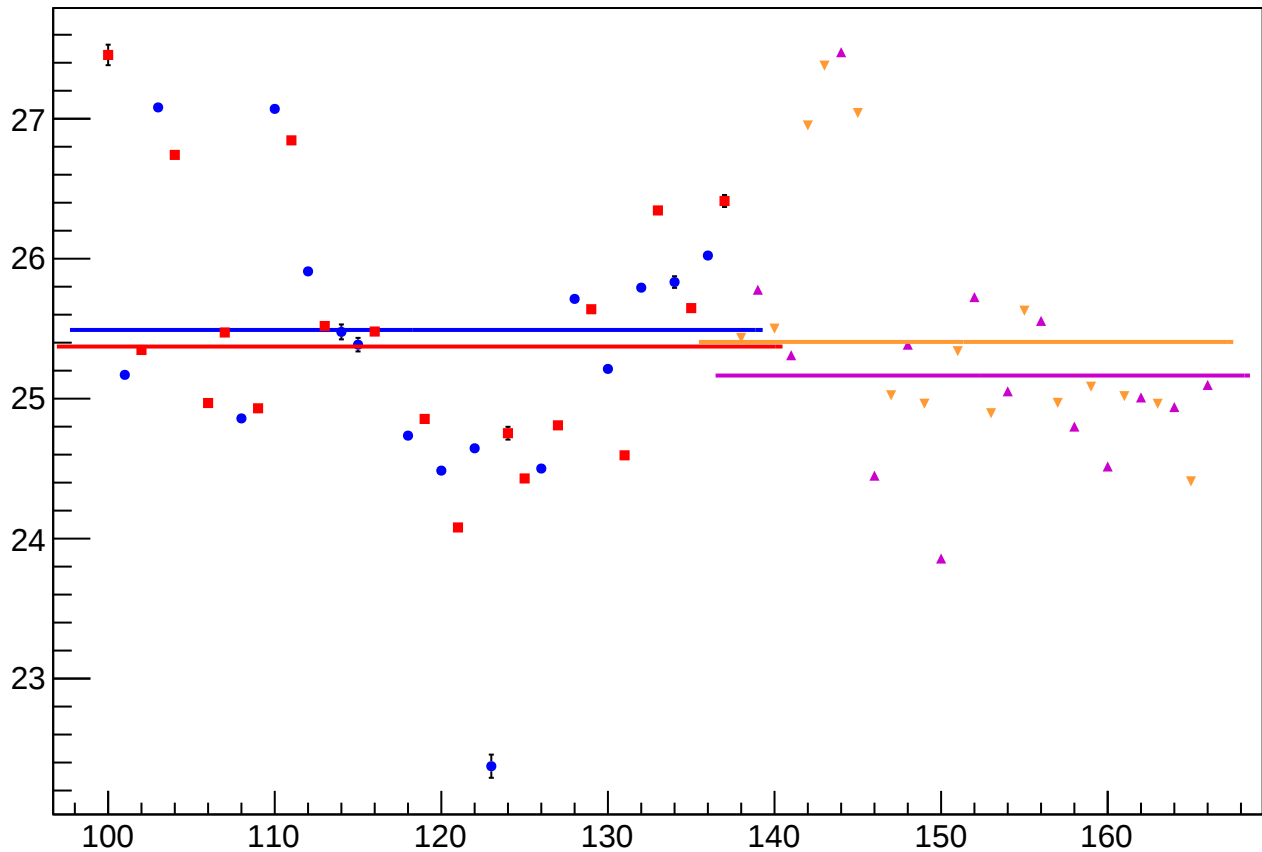
Right: 9.585 ± 6.849 χ^2/NDF : 36.6/35

In: 6.156 ± 6.040 χ^2/NDF : 26.4/30

Out: 15.063 ± 5.937 χ^2/NDF : 40.7/33

All: 10.686 ± 4.234 χ^2/NDF : 68.2/64

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.405 $\pm$ 0.005 χ^2 /NDF:20656.4/14

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

Left In: 25.165 $\pm$ 0.005 χ^2 /NDF:22509.6/13

Left: 25.286 $\pm$ 0.004 χ^2 /NDF: 44159.6/28

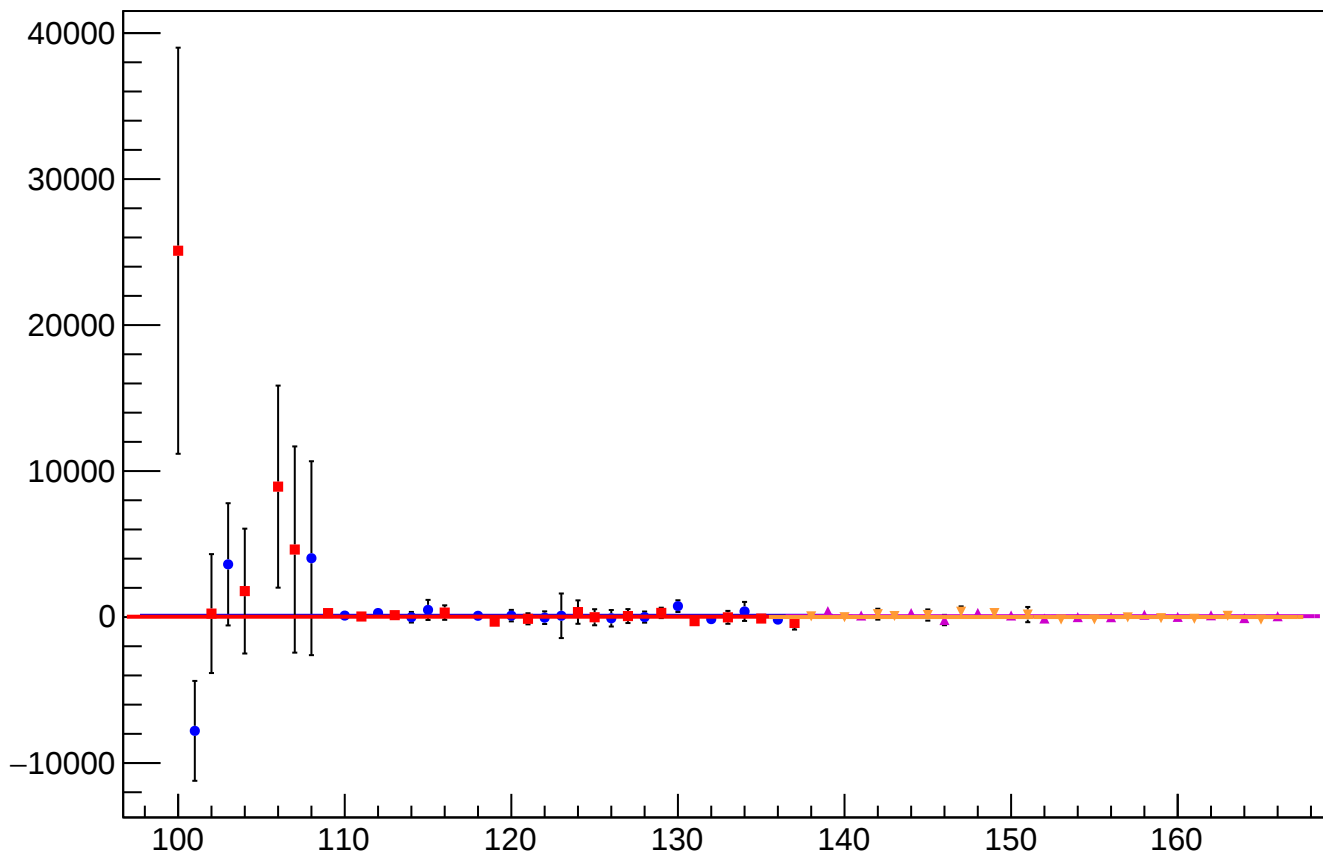
Right: 25.429 $\pm$ 0.005 χ^2 /NDF: 27413.4/35

In: 25.287 $\pm$ 0.004 χ^2 /NDF:37583.6/30

Out: 25.392 $\pm$ 0.004 χ^2 /NDF:34221.7/33

All: 25.340 $\pm$ 0.003 χ^2 /NDF: 72116.1/64

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: 0.470+/-71.092 χ^2/NDF : 4.5/14

Right Out: 23.352+/-80.948 χ^2/NDF : 11.9/18

Left In: 59.770+/-59.188 χ^2/NDF : 5.0/13

Left: 35.494+/-45.487 χ^2/NDF : 9.9/28

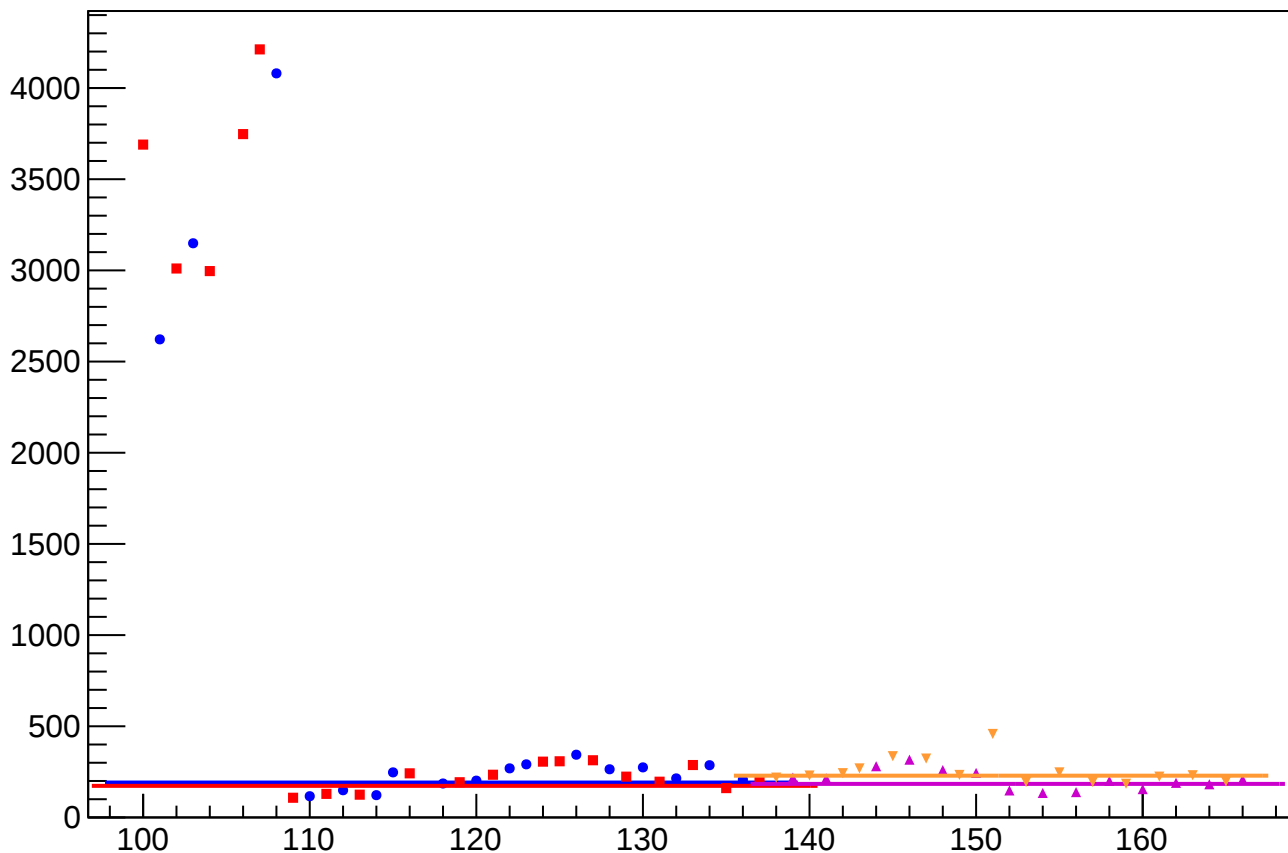
Right: 52.171+/-59.707 χ^2/NDF : 24.7/35

In: 68.059+/-49.186 χ^2/NDF : 17.6/30

Out: 10.434+/-53.416 χ^2/NDF : 16.4/33

All: 41.618+/-36.183 χ^2/NDF : 34.6/64

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 229.120+/-0.050 χ^2/NDF : 927247.0/14

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

Left In: 184.024+/-0.042 χ^2/NDF : 1299683.8/13

Left: 202.485+/-0.032 χ^2/NDF : 2702231.6/28

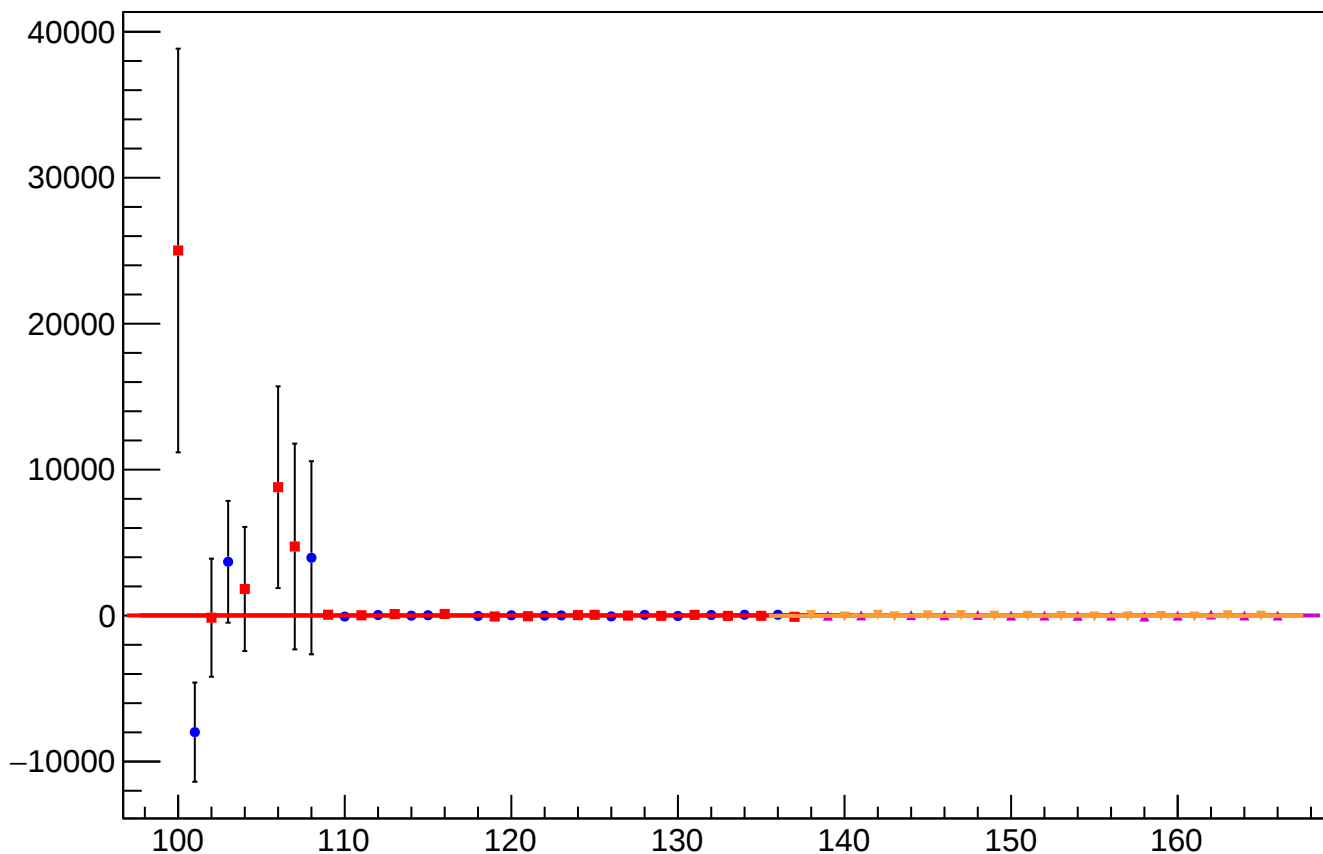
Right: 181.587+/-0.042 χ^2/NDF : 7826577.3/35

In: 186.330+/-0.035 χ^2/NDF : 4882653.4/30

Out: 204.812+/-0.038 χ^2/NDF : 5671623.9/33

All: 194.811+/-0.026 χ^2/NDF : 10683849.0/64

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -19.651+/-8.777 χ^2/NDF :15.9/14

Right Out: 12.668+/-12.232 χ^2/NDF : 24.8/18

Left In: 13.293+/-8.823 χ^2/NDF :13.7/13

Left: -3.266+/-6.222 χ^2/NDF : 36.7/28

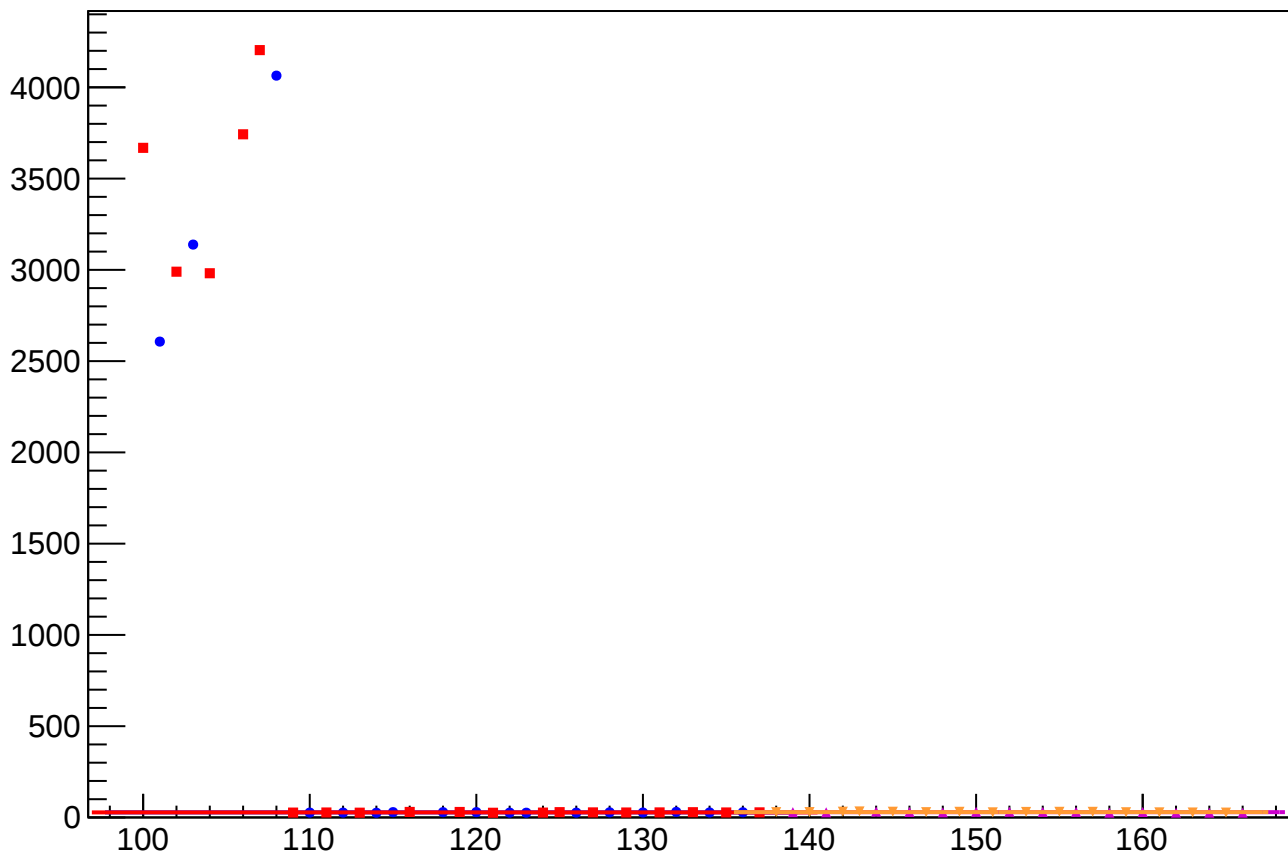
Right: 11.482+/-8.667 χ^2/NDF : 43.2/35

In: 12.270+/-7.166 χ^2/NDF :32.2/30

Out: -8.667+/-7.131 χ^2/NDF :45.4/33

All: 1.750+/-5.055 χ^2/NDF : 81.8/64

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 29.263+/-0.006 χ^2/NDF : 72871.6/14

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

Left In: 29.012+/-0.006 χ^2/NDF : 105989.4/13

Left: 29.138+/-0.004 χ^2/NDF : 179674.9/28

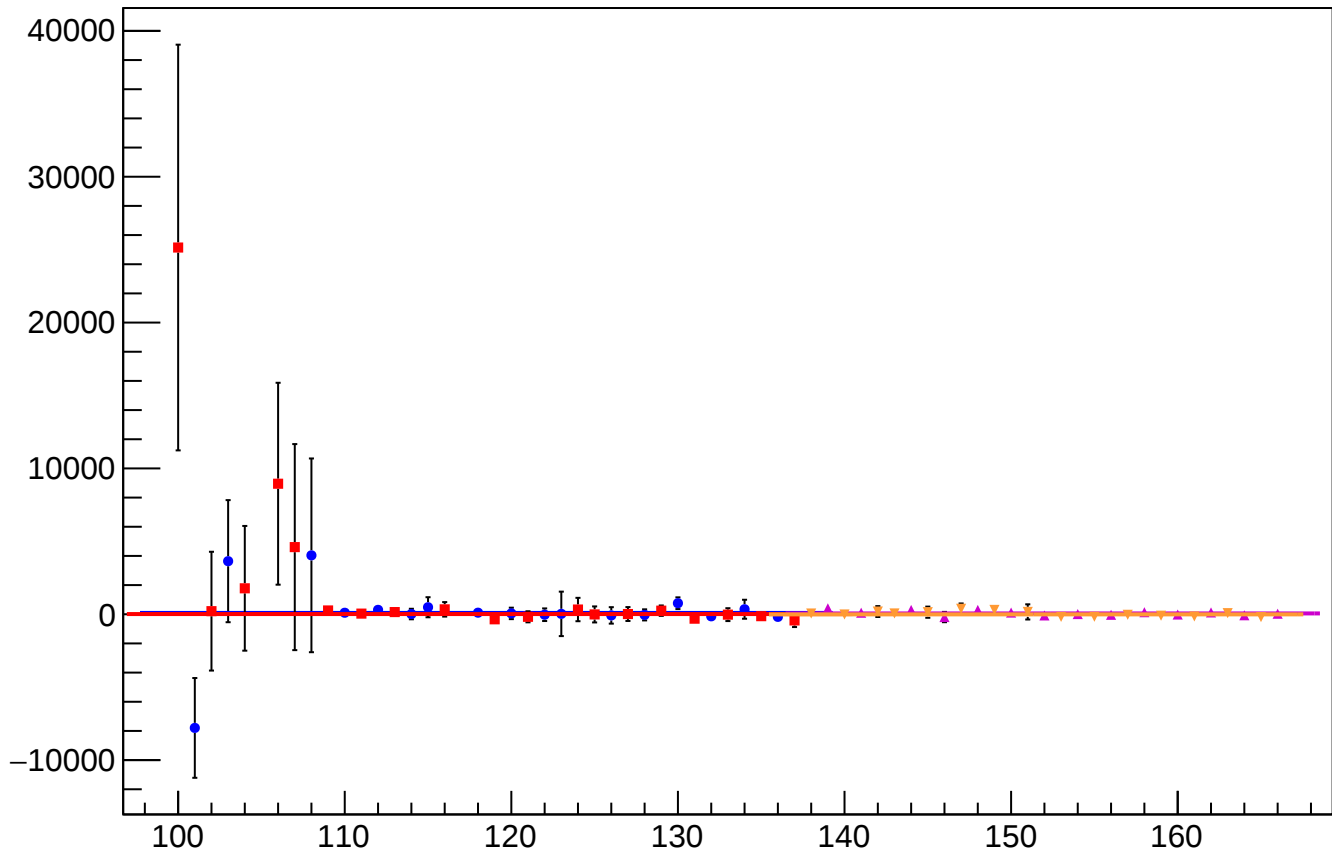
Right: 27.774+/-0.006 χ^2/NDF : 6504689.9/35

In: 28.618+/-0.005 χ^2/NDF : 3145366.1/30

Out: 28.730+/-0.005 χ^2/NDF : 3571423.5/33

All: 28.674+/-0.004 χ^2/NDF : 6717035.0/64

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: -8.376+/-70.937 χ^2/NDF : 5.2/14

Right Out: 13.341+/-80.686 χ^2/NDF : 12.7/18

Left In: 57.075+/-59.070 χ^2/NDF : 5.2/13

Left: 30.275+/-45.393 χ^2/NDF : 10.9/28

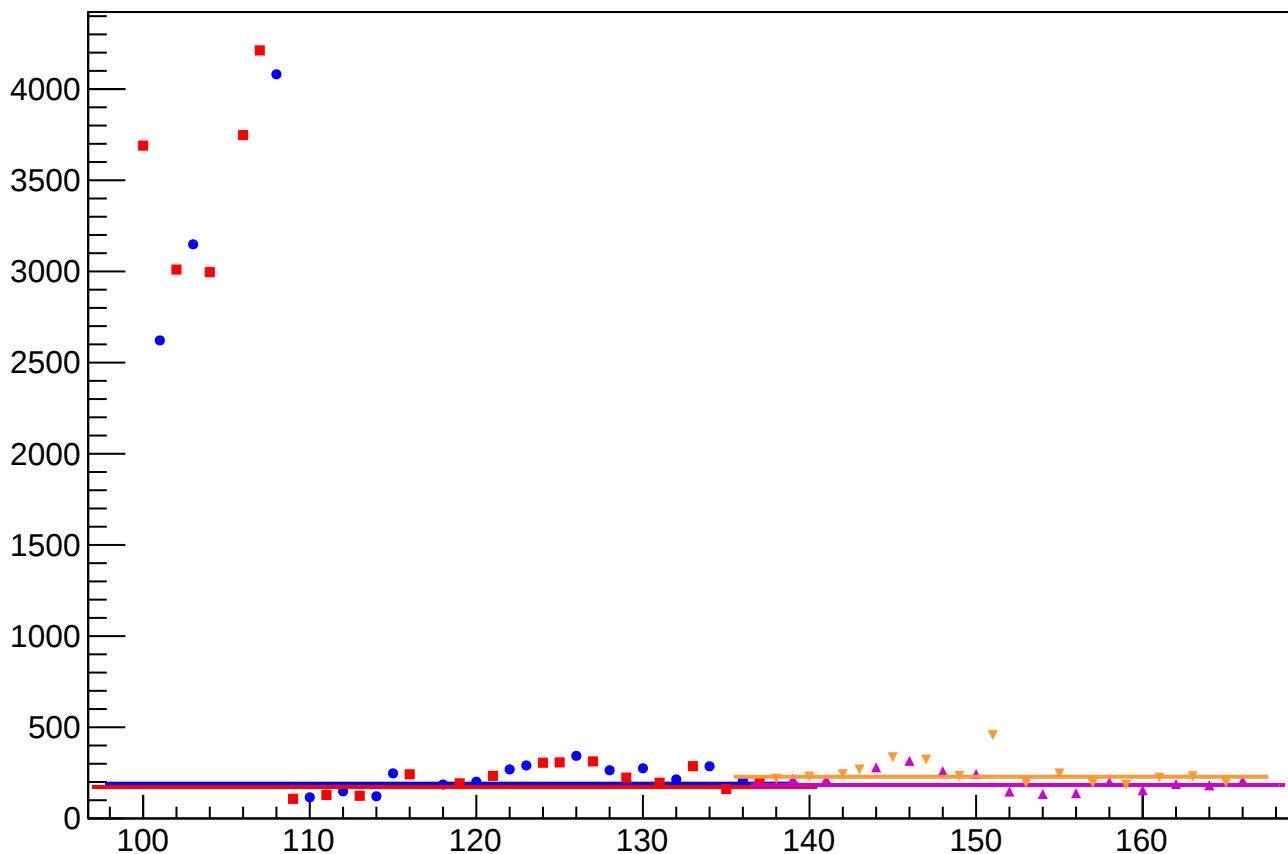
Right: 48.642+/-59.518 χ^2/NDF : 25.9/35

In: 67.518+/-49.071 χ^2/NDF : 18.1/30

Out: 1.092+/-53.276 χ^2/NDF : 17.9/33

All: 37.029+/-36.093 χ^2/NDF : 36.8/64

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 228.627+/-0.050 χ^2/NDF : 927020.6/14

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

Left In: 183.661+/-0.042 χ^2/NDF : 1299533.0/13

Left: 202.074+/-0.032 χ^2/NDF : 2701098.7/28

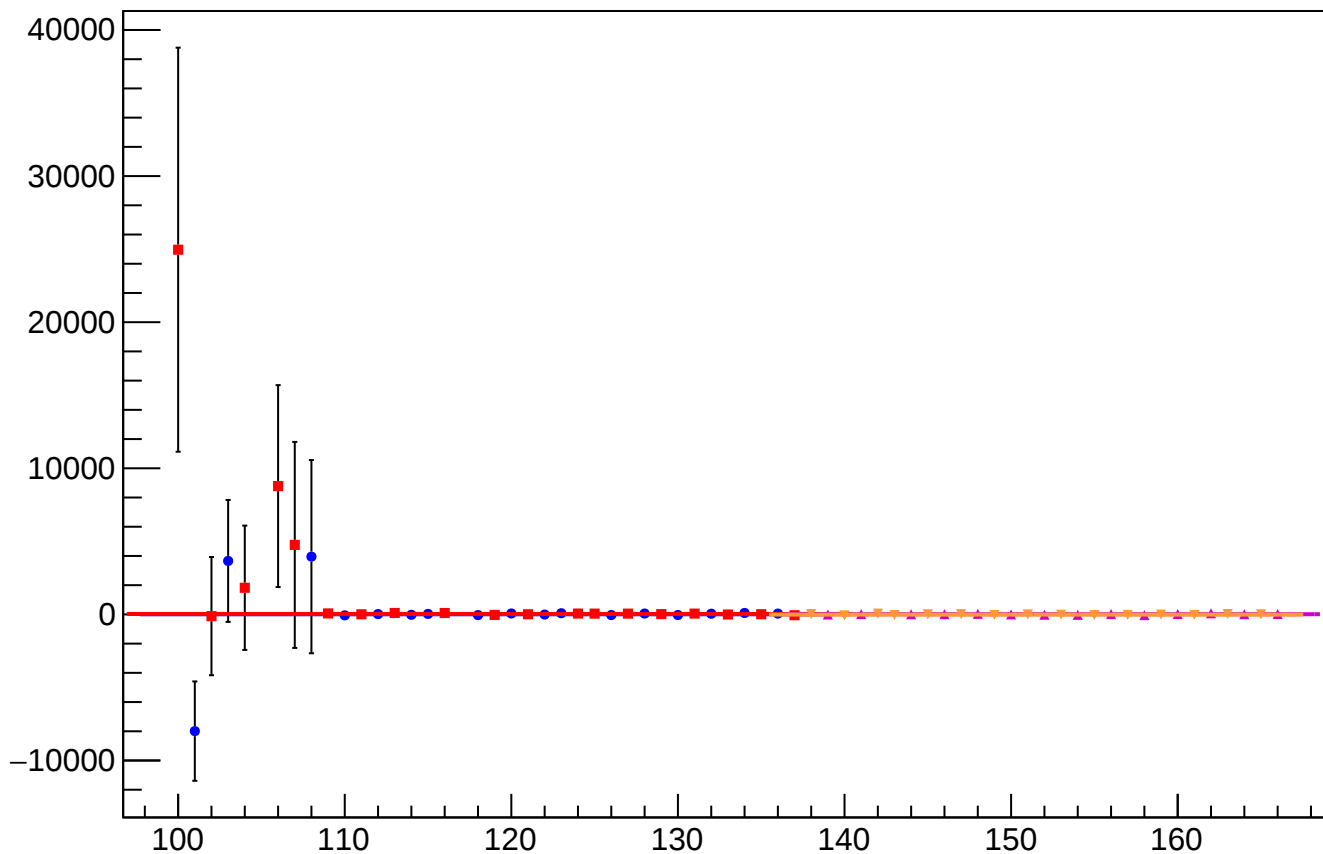
Right: 180.899+/-0.042 χ^2/NDF : 7849745.6/35

In: 185.864+/-0.035 χ^2/NDF : 4893541.9/30

Out: 204.214+/-0.038 χ^2/NDF : 5688985.3/33

All: 194.286+/-0.026 χ^2/NDF : 10710888.5/64

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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: 12.424 $\pm$ 8.881 χ^2 /NDF: 12.8/13

Left: -0.670 $\pm$ 6.270 χ^2 /NDF: 28.2/28

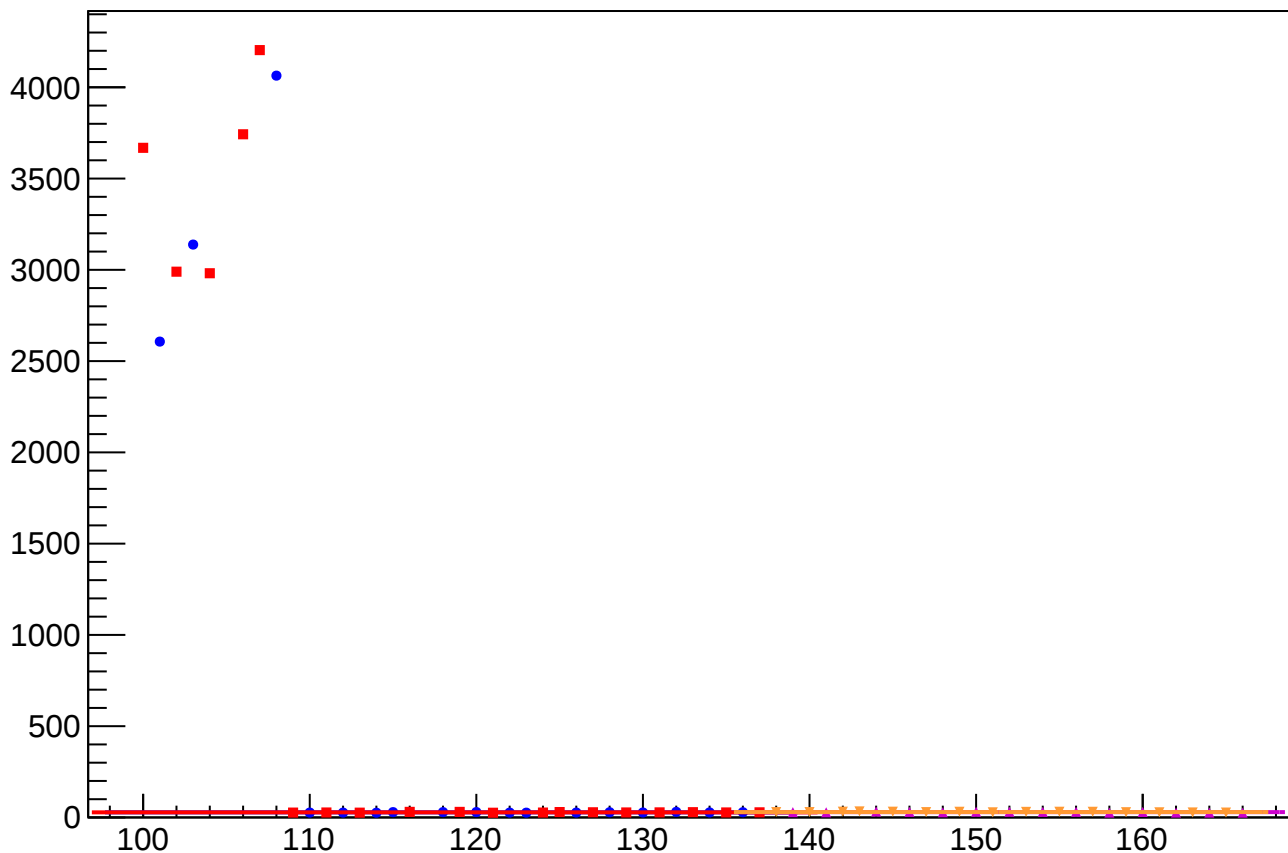
Right: 19.027 $\pm$ 8.733 χ^2 /NDF: 41.4/35

In: 11.123 $\pm$ 7.214 χ^2 /NDF: 36.1/30

Out: 0.968 $\pm$ 7.191 χ^2 /NDF: 35.9/33

All: 6.030 $\pm$ 5.093 χ^2 /NDF: 73.0/64

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 29.512 $\pm$ 0.006 χ^2 /NDF: 72886.2/14

Right Out: 27.918 $\pm$ 0.009 χ^2 /NDF: 3479690.8/18

Left In: 29.207 $\pm$ 0.006 χ^2 /NDF: 105760.9/13

Left: 29.360 $\pm$ 0.004 χ^2 /NDF: 179831.0/28

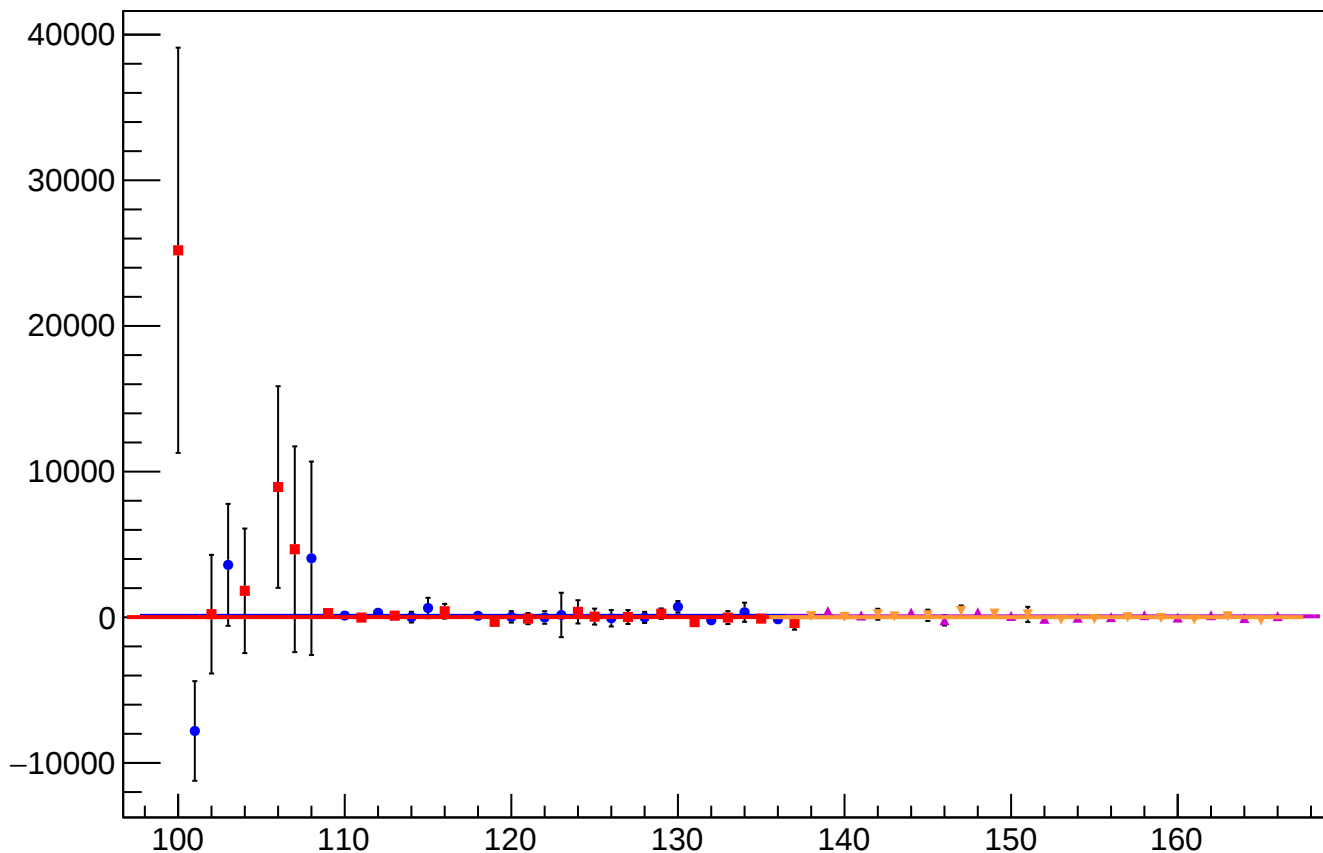
Right: 27.981 $\pm$ 0.006 χ^2 /NDF: 6507693.6/35

In: 28.811 $\pm$ 0.005 χ^2 /NDF: 3145329.4/30

Out: 28.970 $\pm$ 0.005 χ^2 /NDF: 3574631.2/33

All: 28.891 $\pm$ 0.004 χ^2 /NDF: 6720446.7/64

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: 7.775+/-71.751 χ^2/NDF : 4.9/14

Right Out: 11.728+/-81.772 χ^2/NDF : 12.3/18

Left In: 64.546+/-59.902 χ^2/NDF : 5.9/13

Left: 41.229+/-45.983 χ^2/NDF : 11.2/28

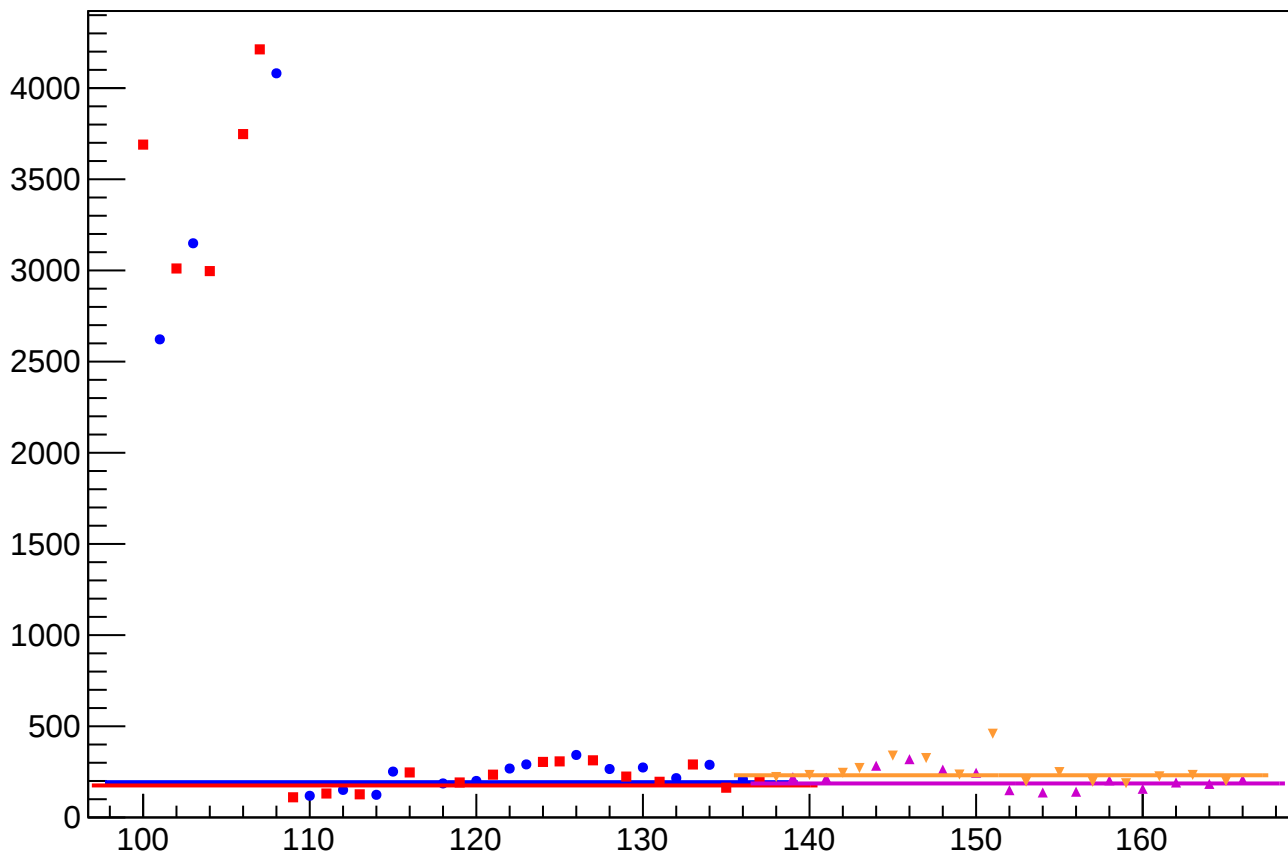
Right: 51.186+/-60.278 χ^2/NDF : 25.3/35

In: 74.987+/-49.729 χ^2/NDF : 18.5/30

Out: 9.494+/-53.933 χ^2/NDF : 17.2/33

All: 44.892+/-36.560 χ^2/NDF : 36.5/64

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 231.359+/-0.051 χ^2/NDF : 918458.3/14

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

Left In: 186.452+/-0.042 χ^2/NDF : 1271034.1/13

Left: 204.897+/-0.033 χ^2/NDF : 2651155.2/28

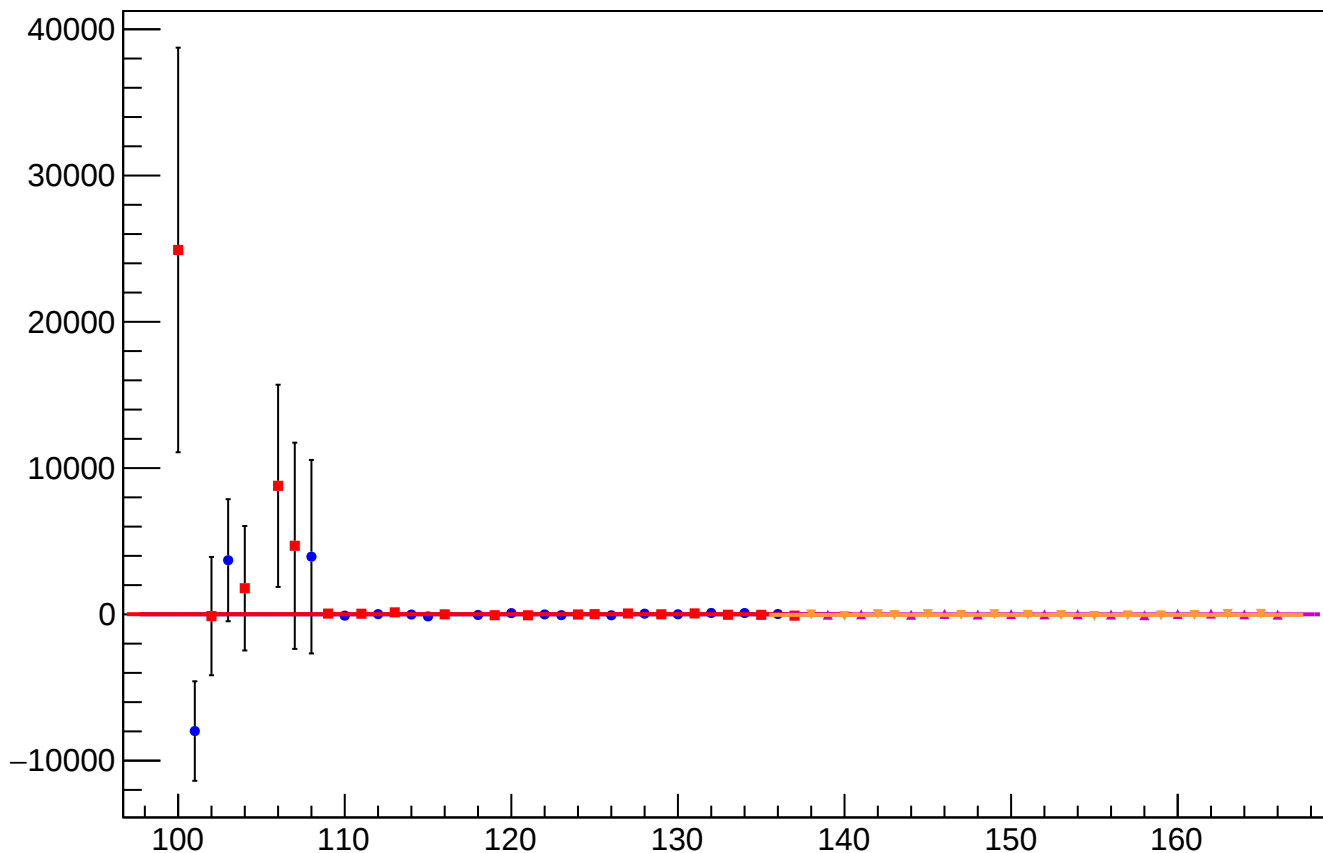
Right: 183.732+/-0.043 χ^2/NDF : 7746808.4/35

In: 188.648+/-0.035 χ^2/NDF : 4816625.9/30

Out: 207.064+/-0.038 χ^2/NDF : 5611157.7/33

All: 197.111+/-0.026 χ^2/NDF : 10553829.3/64

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565+/-15.052 χ^2/NDF : 20.4/16

Left Out: -34.740+/-10.451 χ^2/NDF : 17.9/14

Right Out: 12.158+/-14.952 χ^2/NDF : 21.9/18

Left In: 2.627+/-10.533 χ^2/NDF : 7.1/13

Left: -16.203+/-7.419 χ^2/NDF : 31.4/28

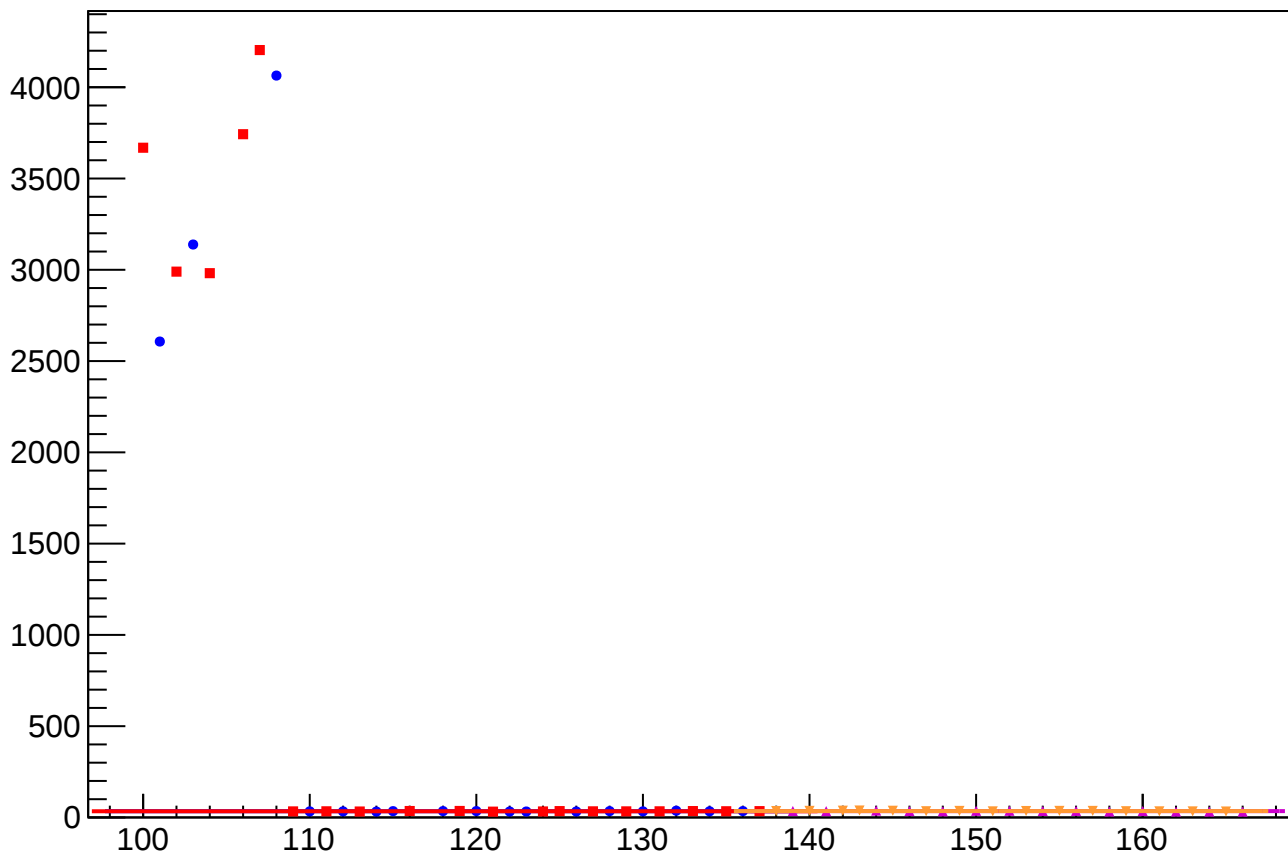
Right: 8.883+/-10.608 χ^2/NDF : 42.5/35

In: 3.593+/-8.630 χ^2/NDF : 27.6/30

Out: -19.348+/-8.566 χ^2/NDF : 46.5/33

All: -7.963+/-6.080 χ^2/NDF : 77.6/64

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 34.896 $\pm$ 0.007 χ^2 /NDF: 39460.7/14

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

Left In: 34.708 $\pm$ 0.007 χ^2 /NDF: 51634.0/13

Left: 34.803 $\pm$ 0.005 χ^2 /NDF: 91418.0/28

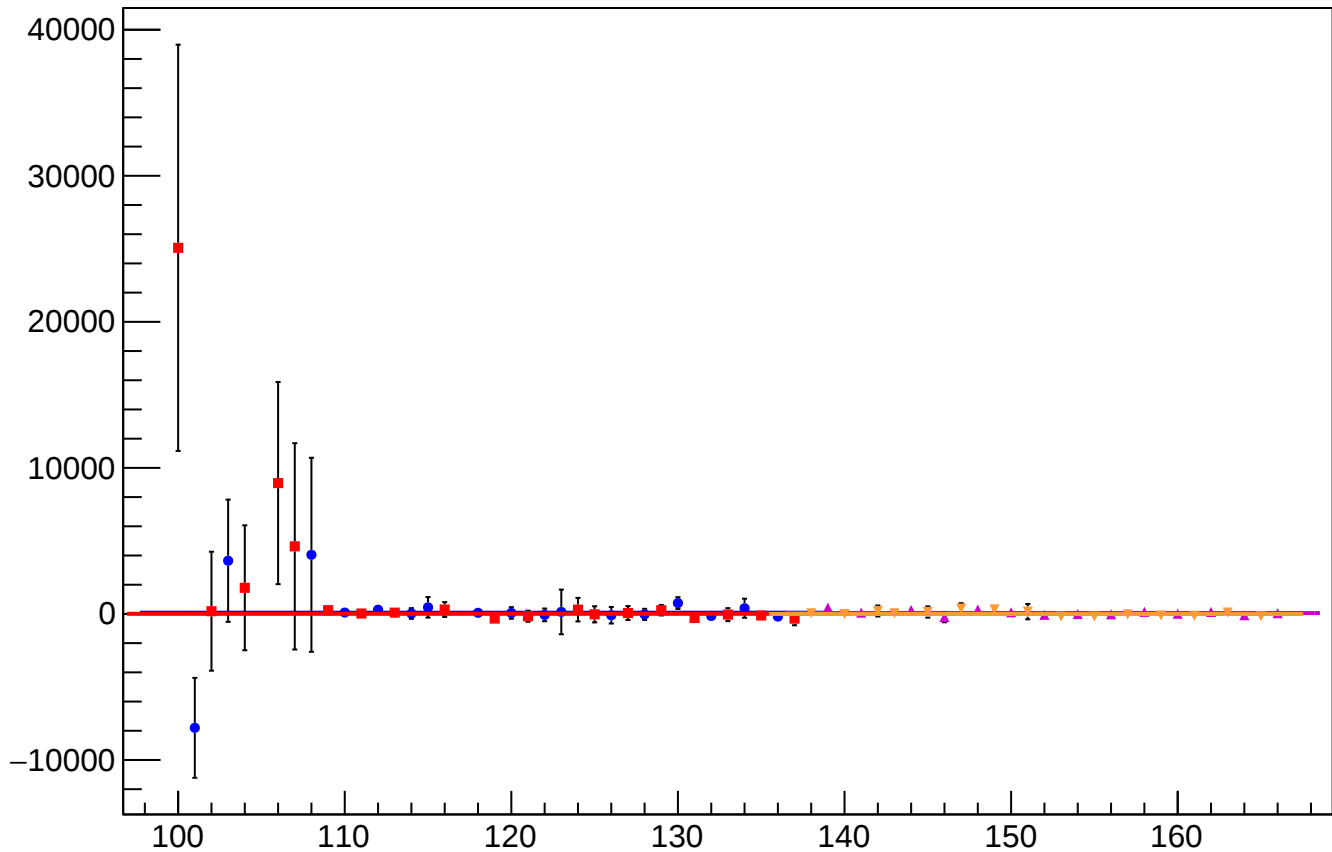
Right: 34.039 $\pm$ 0.008 χ^2 /NDF: 6458714.0/35

In: 34.530 $\pm$ 0.006 χ^2 /NDF: 3059876.3/30

Out: 34.574 $\pm$ 0.006 χ^2 /NDF: 3497189.4/33

All: 34.552 $\pm$ 0.004 χ^2 /NDF: 6557091.2/64

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: -2.733+/-71.584 χ^2/NDF : 5.0/14

Right Out: 8.565+/-81.257 χ^2/NDF : 11.1/18

Left In: 61.225+/-59.743 χ^2/NDF : 5.3/13

Left: 34.966+/-45.867 χ^2/NDF : 10.8/28

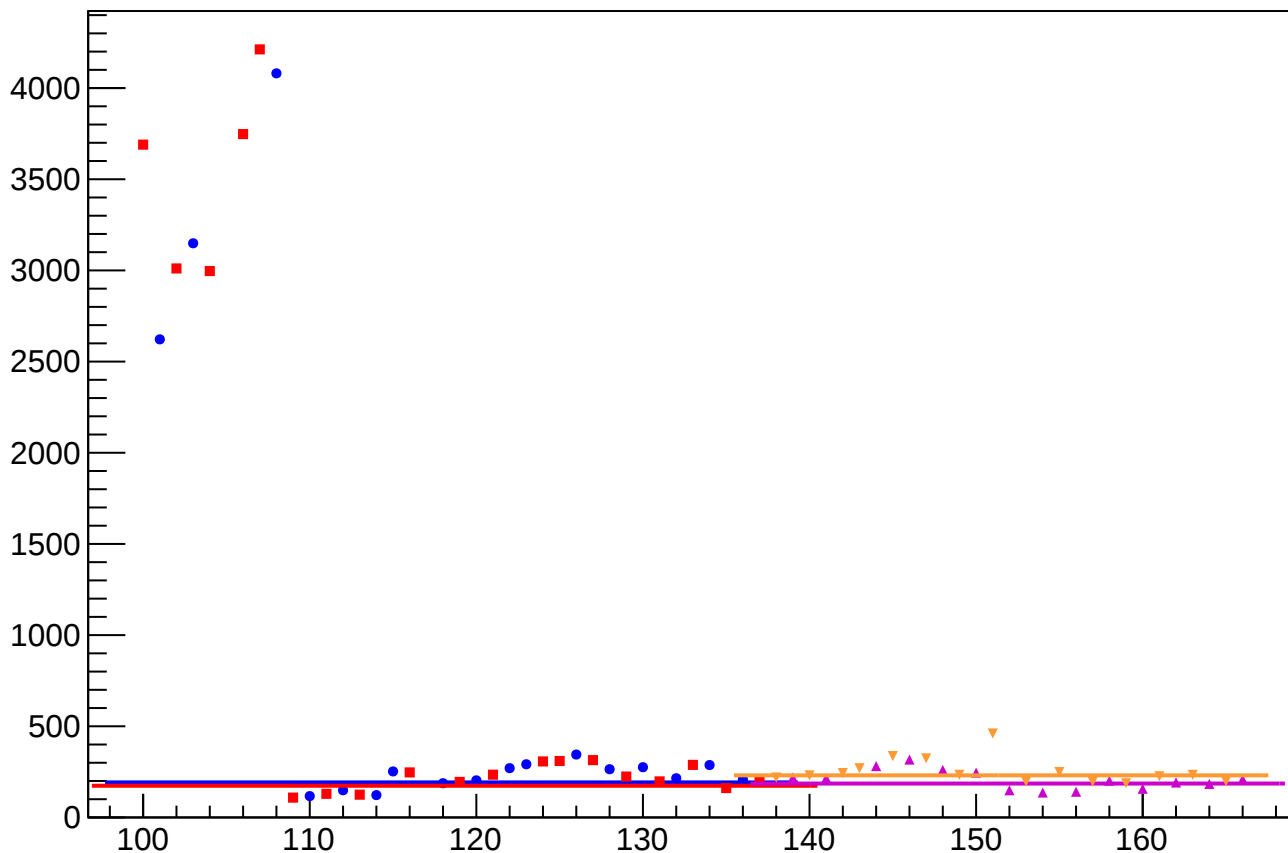
Right: 43.196+/-59.931 χ^2/NDF : 24.0/35

In: 68.485+/-49.559 χ^2/NDF : 17.9/30

Out: 2.204+/-53.713 χ^2/NDF : 16.0/33

All: 38.006+/-36.424 χ^2/NDF : 34.8/64

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 230.839+/-0.051 χ^2/NDF : 910077.9/14

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

Left In: 185.973+/-0.042 χ^2/NDF : 1258152.1/13

Left: 204.393+/-0.032 χ^2/NDF : 2631328.6/28

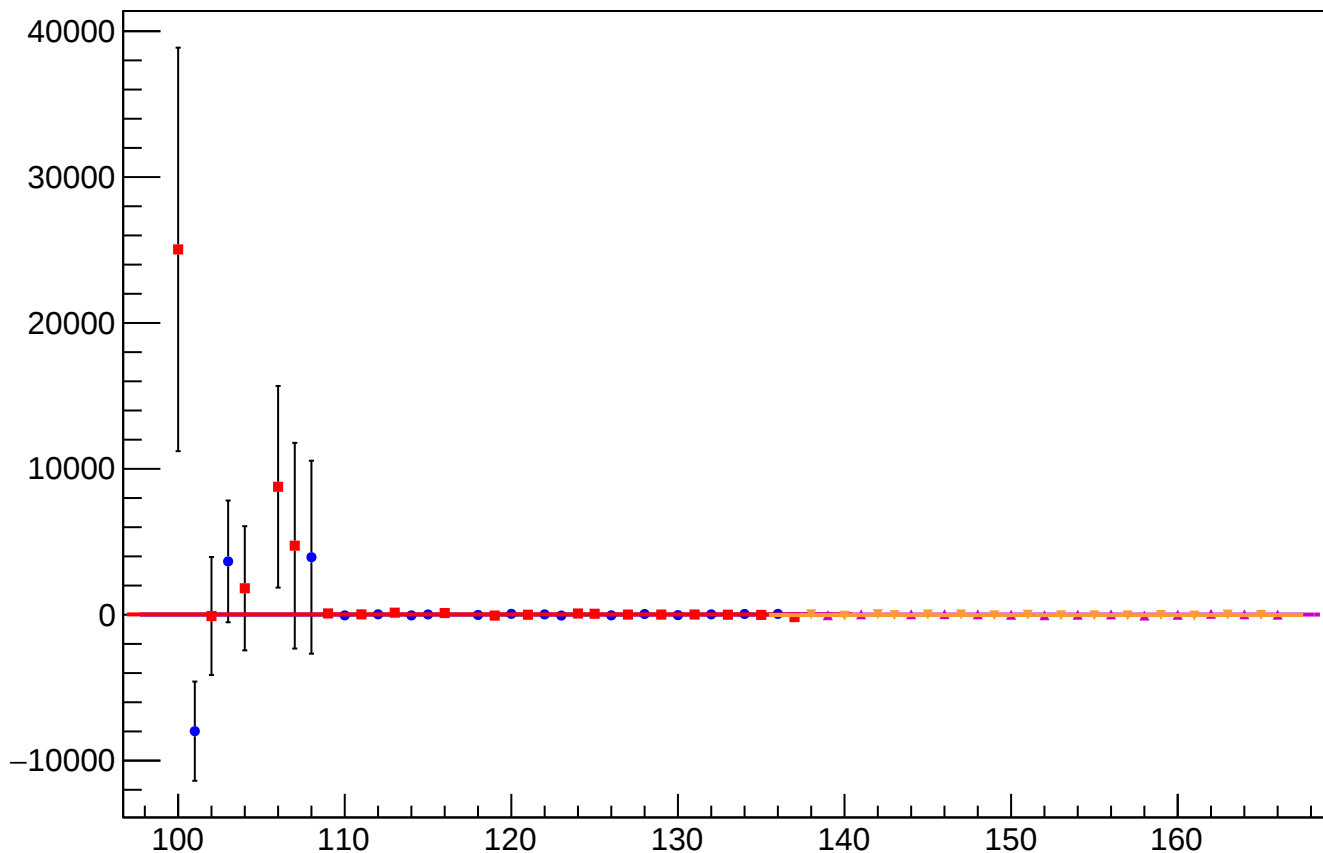
Right: 182.268+/-0.042 χ^2/NDF : 7832071.5/35

In: 187.907+/-0.035 χ^2/NDF : 4839495.8/30

Out: 205.985+/-0.038 χ^2/NDF : 5673436.3/33

All: 196.220+/-0.026 χ^2/NDF : 10635300.0/64

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -21.937+/-9.464 χ^2/NDF : 11.2/14

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

Left In: 11.949+/-9.552 χ^2/NDF : 12.2/13

Left: -5.150+/-6.723 χ^2/NDF : 29.7/28

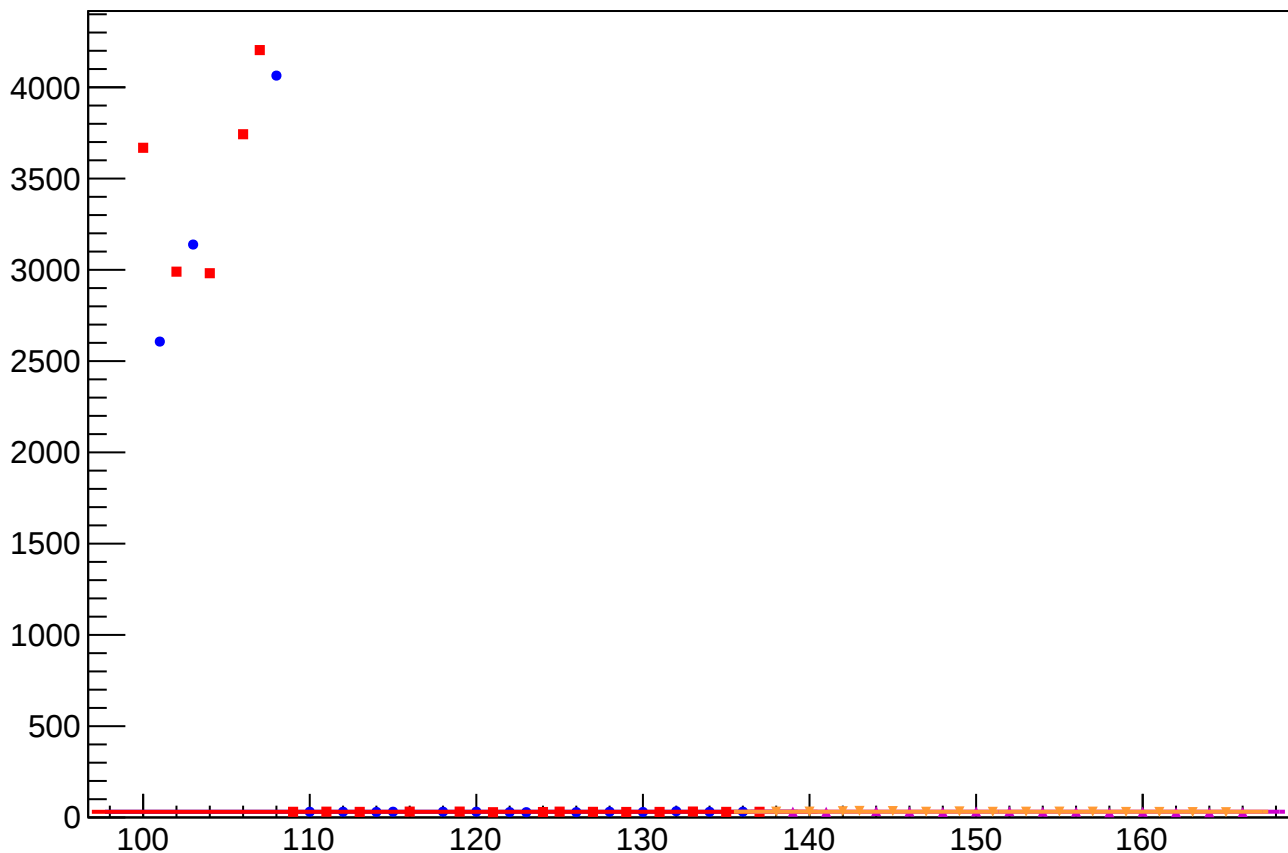
Right: 17.707+/-9.681 χ^2/NDF : 42.9/35

In: 12.211+/-7.840 χ^2/NDF : 26.8/30

Out: -7.486+/-7.780 χ^2/NDF : 46.4/33

All: 2.286+/-5.522 χ^2/NDF : 76.4/64

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 31.563+/-0.007 χ^2/NDF : 70765.7/14

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

Left In: 31.426+/-0.007 χ^2/NDF : 79832.9/13

Left: 31.495+/-0.005 χ^2/NDF : 150805.6/28

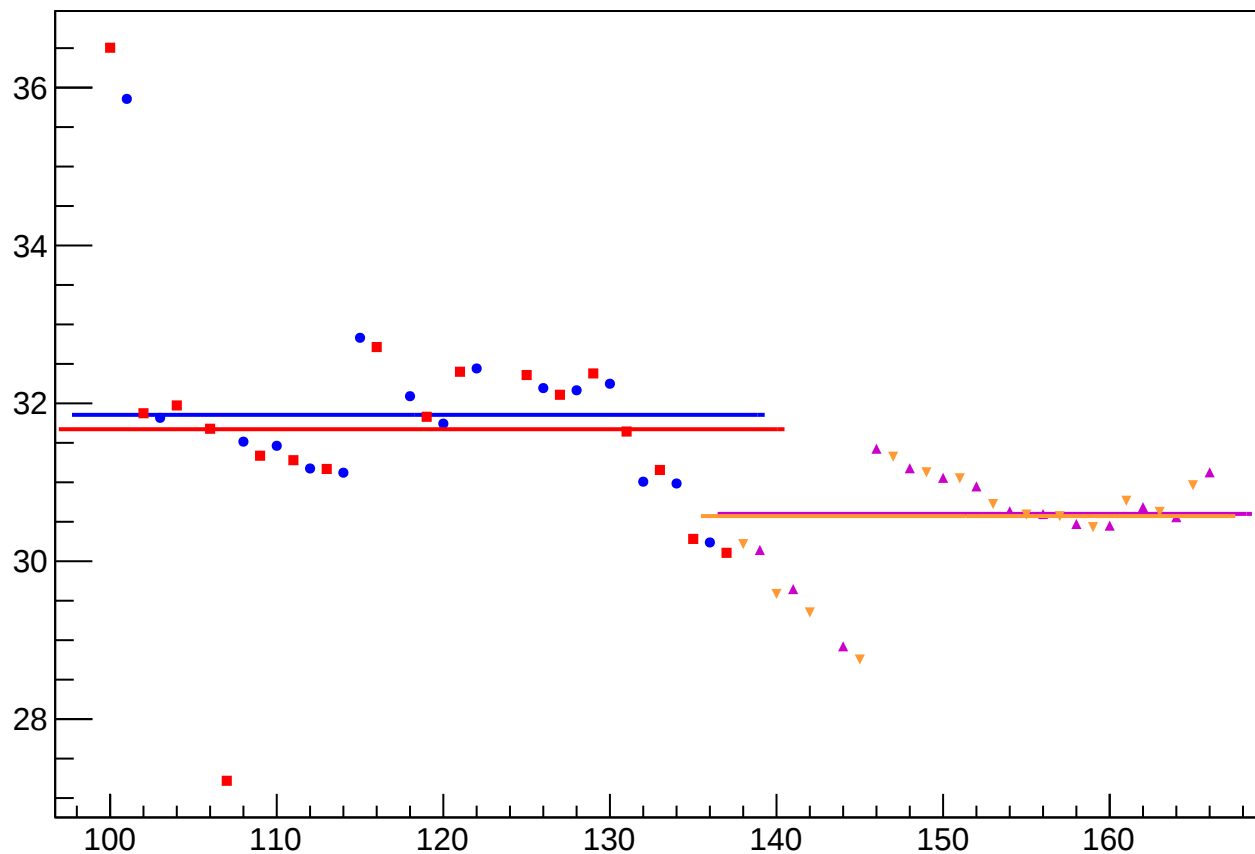
Right: 31.057+/-0.007 χ^2/NDF : 6473633.0/35

In: 31.337+/-0.006 χ^2/NDF : 3094881.5/30

Out: 31.368+/-0.006 χ^2/NDF : 3532300.4/33

All: 31.353+/-0.004 χ^2/NDF : 6627197.9/64

yield_usl_mean vs Slug, Sign Corrected



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: 30.600+/-0.000 χ^2/NDF : 587420022.9/13

Left: 30.586+/-0.000 χ^2/NDF : 1198591623.6/27

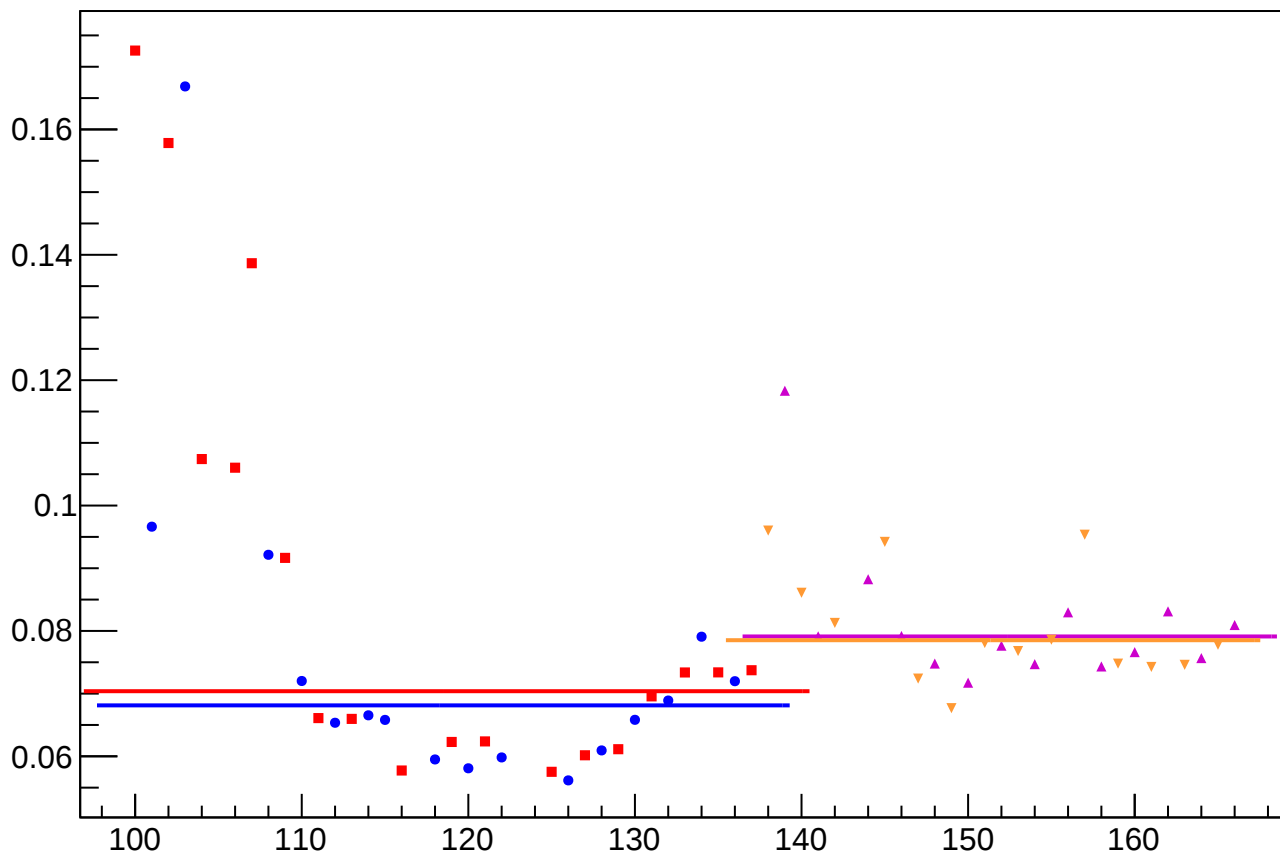
Right: 31.765+/-0.000 χ^2/NDF : 2508641774.0/33

In: 31.156+/-0.000 χ^2/NDF : 3248231703.3/29

Out: 31.055+/-0.000 χ^2/NDF : 2339050136.7/31

All: 31.106+/-0.000 χ^2/NDF : 5601274413.8/66

yield_usl_rms vs Slug, Sign Corrected



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:213828.8/13

Left: 0.079 $\pm$ 0.000 χ^2 /NDF: 411108.9/27

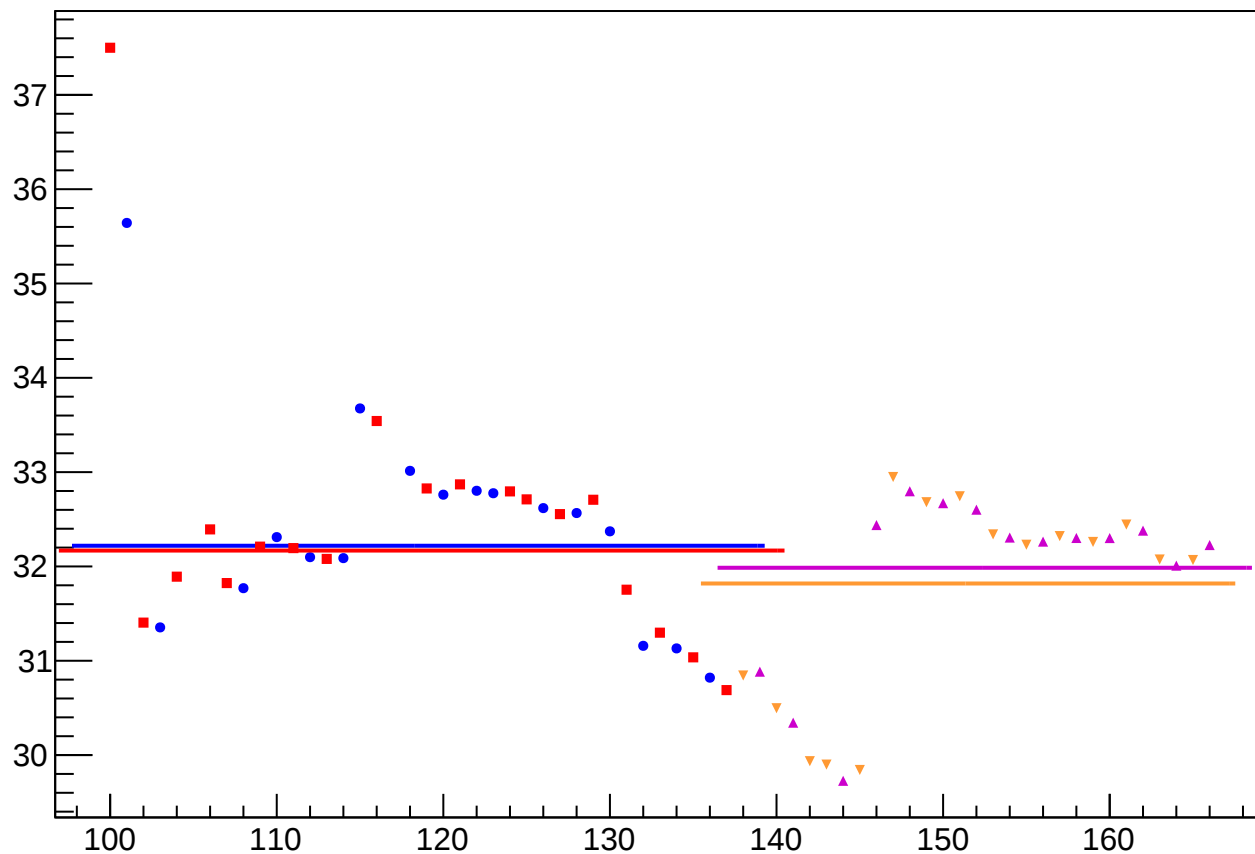
Right: 0.069 $\pm$ 0.000 χ^2 /NDF: 1477315.9/33

In: 0.074 $\pm$ 0.000 χ^2 /NDF:1011012.7/29

Out: 0.075 $\pm$ 0.000 χ^2 /NDF:1126666.7/31

All: 0.075 $\pm$ 0.000 χ^2 /NDF: 2139040.8/61

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.819+/-0.000 χ^2/NDF : 1817914439.5/14

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

Left In: 31.986+/-0.000 χ^2/NDF : 1399161156.4/13

Left: 31.902+/-0.000 χ^2/NDF : 3239750431.8/28

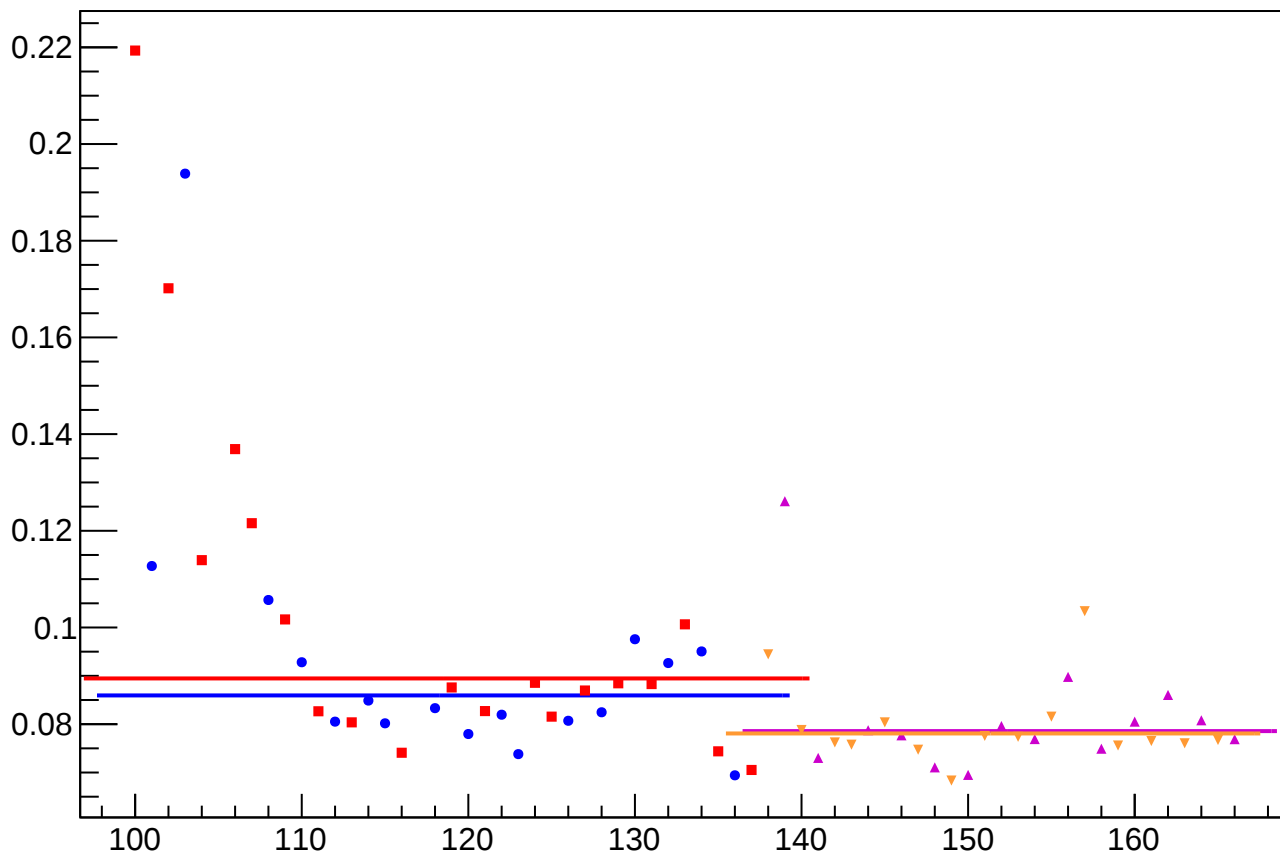
Right: 32.194+/-0.000 χ^2/NDF : 1457173552.7/35

In: 32.063+/-0.000 χ^2/NDF : 2441774055.7/30

Out: 31.930+/-0.000 χ^2/NDF : 2324117518.1/33

All: 31.996+/-0.000 χ^2/NDF : 4786998968.9/66

yield_usr_rms vs Slug, Sign Corrected



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 :292503.4/13

Left: 0.078+/-0.000 χ^2/NDF : 453047.3/28

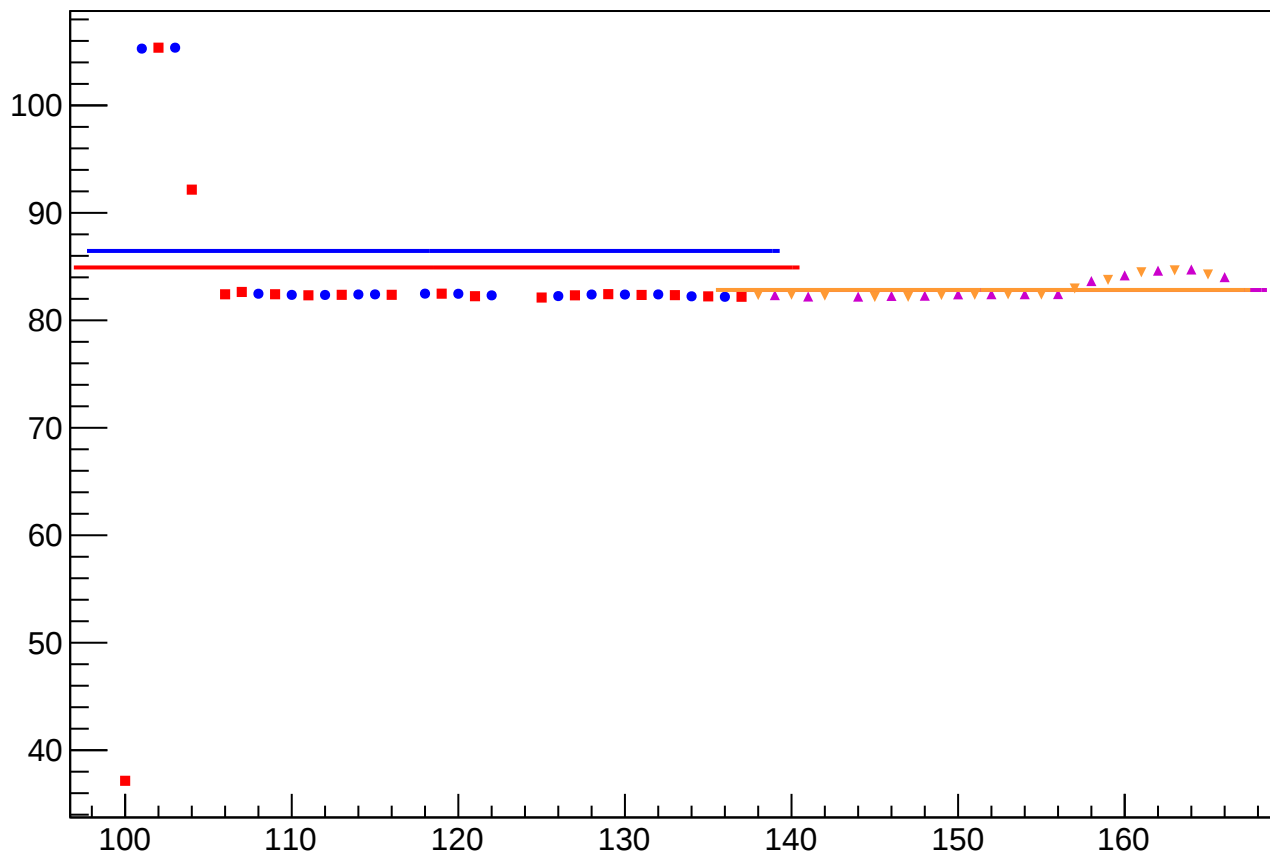
Right: 0.088+/-0.000 χ^2/NDF : 1102728.3/35

In: 0.081+/-0.000 χ^2/NDF :903210.1/30

Out: 0.082+/-0.000 χ^2/NDF :835735.2/33

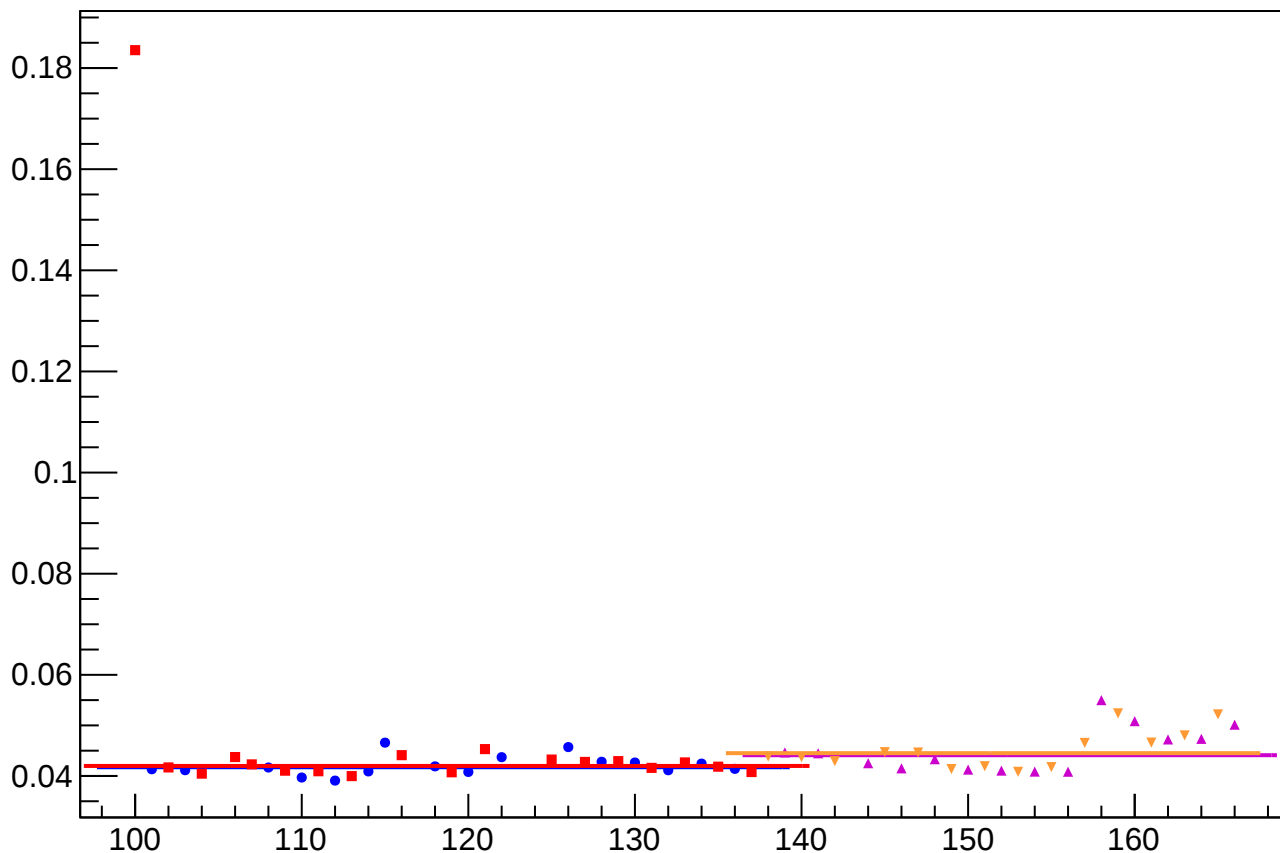
All: 0.081+/-0.000 χ^2/NDF : 1740143.8/64

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000	χ^2/NDF : 291421048436.2/15	Left: 82.824+/-0.000	χ^2/NDF : 7669619541.7/27
Left Out: 82.827+/-0.000	χ^2/NDF : 3670974999.2/13	Right: 85.675+/-0.000	χ^2/NDF : 468146833571.9/33
Right Out: 84.920+/-0.000	χ^2/NDF : 172195187677.7/17	In: 84.307+/-0.000	χ^2/NDF : 324875878704.4/29
Left In: 82.821+/-0.000	χ^2/NDF : 3998551269.5/13	Out: 83.729+/-0.000	χ^2/NDF : 185594140578.6/31
		All: 84.021+/-0.000	χ^2/NDF : 511994271391.0

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.045+/-0.000 χ^2/NDF :110943.7/13

Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

Left In: 0.044+/-0.000 χ^2/NDF :163508.4/13

Left: 0.044+/-0.000 χ^2/NDF : 275323.9/27

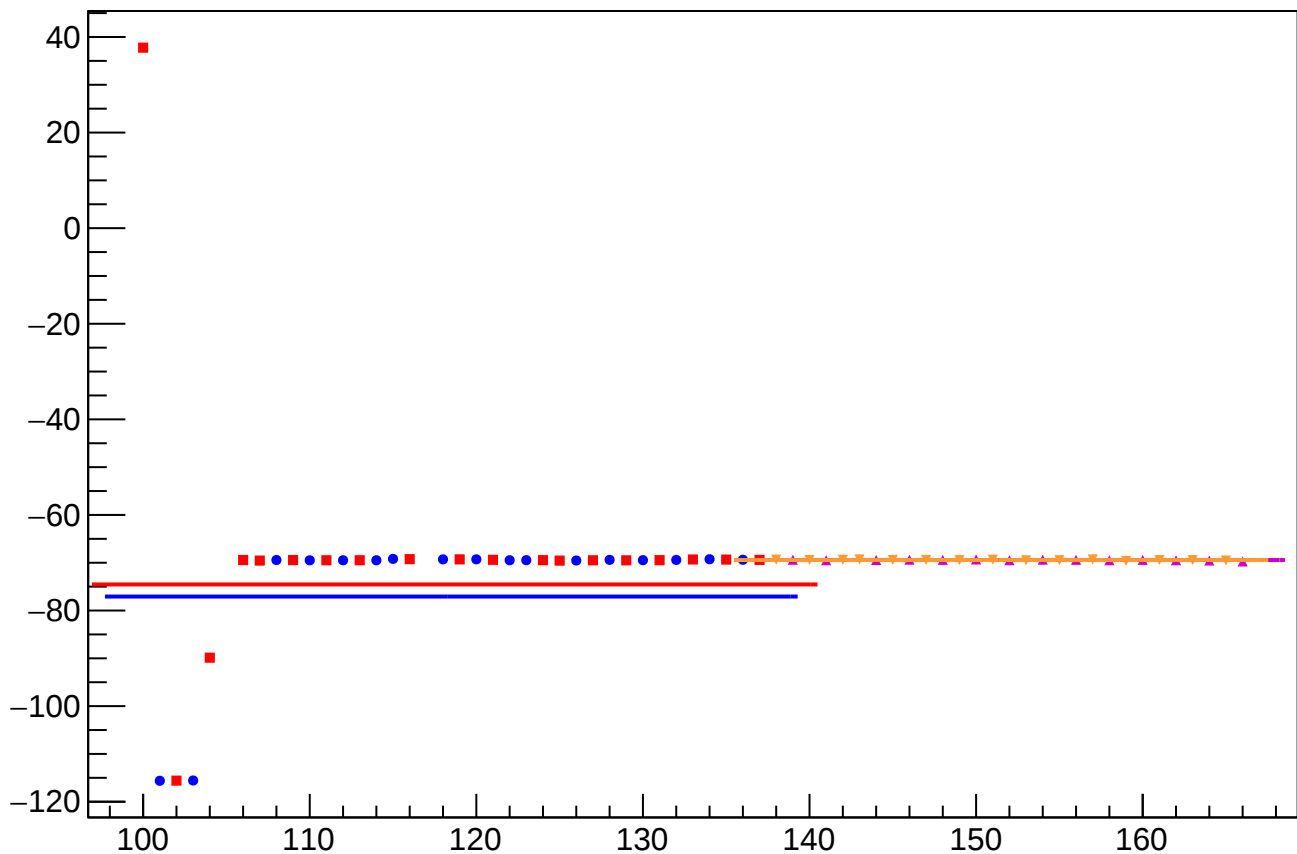
Right: 0.042+/-0.000 χ^2/NDF : 116001.6/33

In: 0.043+/-0.000 χ^2/NDF :207575.8/29

Out: 0.043+/-0.000 χ^2/NDF :236241.6/31

All: 0.043+/-0.000 χ^2/NDF : 444566.3/61

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.433+/-0.000 χ^2/NDF : 22660563.8/14

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

Left In: -69.430+/-0.000 χ^2/NDF : 30805260.0/13

Left: -69.432+/-0.000 χ^2/NDF : 53482763.7/28

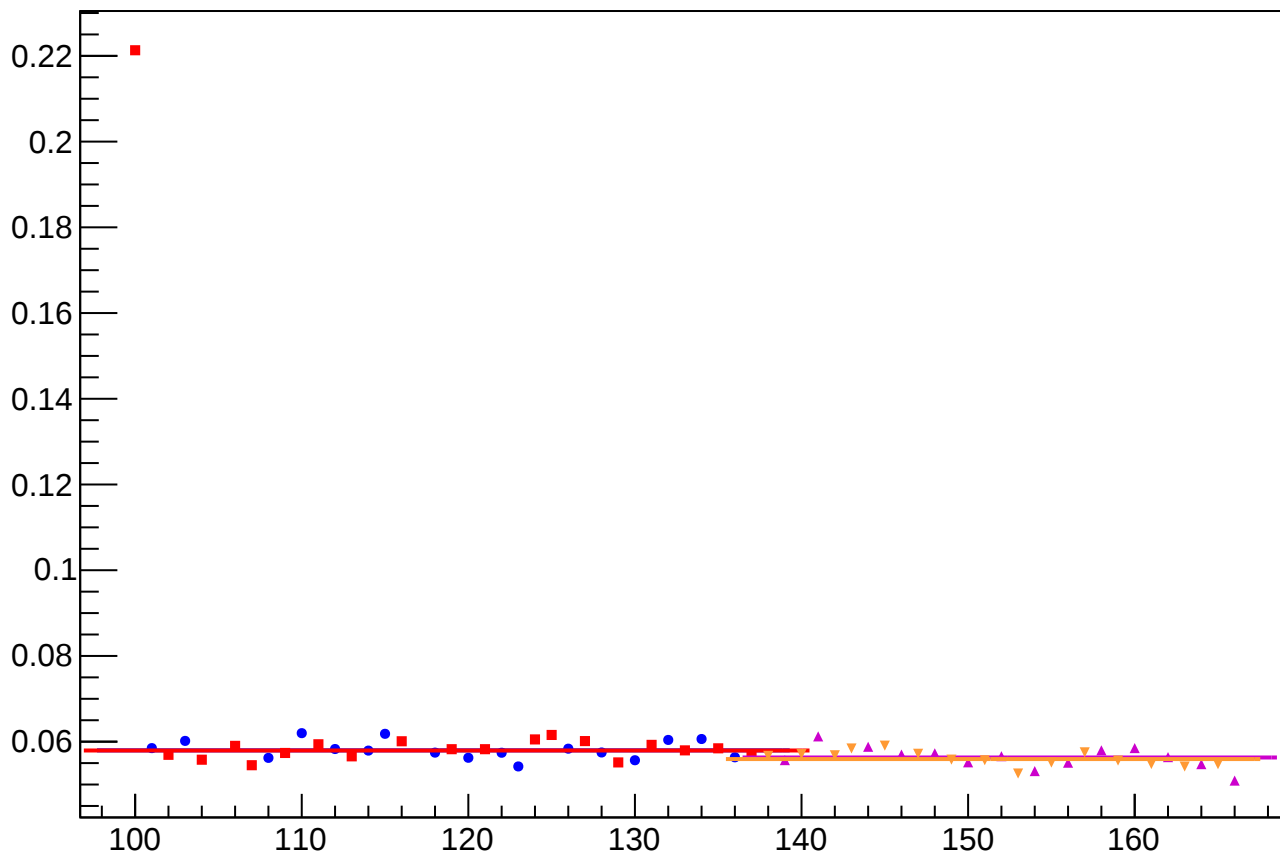
Right: -75.769+/-0.000 χ^2/NDF : 943595296169.5/30

In: -72.230+/-0.000 χ^2/NDF : 636331917924.8/30

Out: -71.338+/-0.000 χ^2/NDF : 405420130845.8/33

All: -71.774+/-0.000 χ^2/NDF : 104387902097

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 $\pm$ 0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056 $\pm$ 0.000 χ^2/NDF :18970.9/14

Right Out: 0.058 $\pm$ 0.000 χ^2/NDF : 86466.5/18

Left In: 0.056 $\pm$ 0.000 χ^2/NDF :38058.0/13

Left: 0.056 $\pm$ 0.000 χ^2/NDF : 57481.7/28

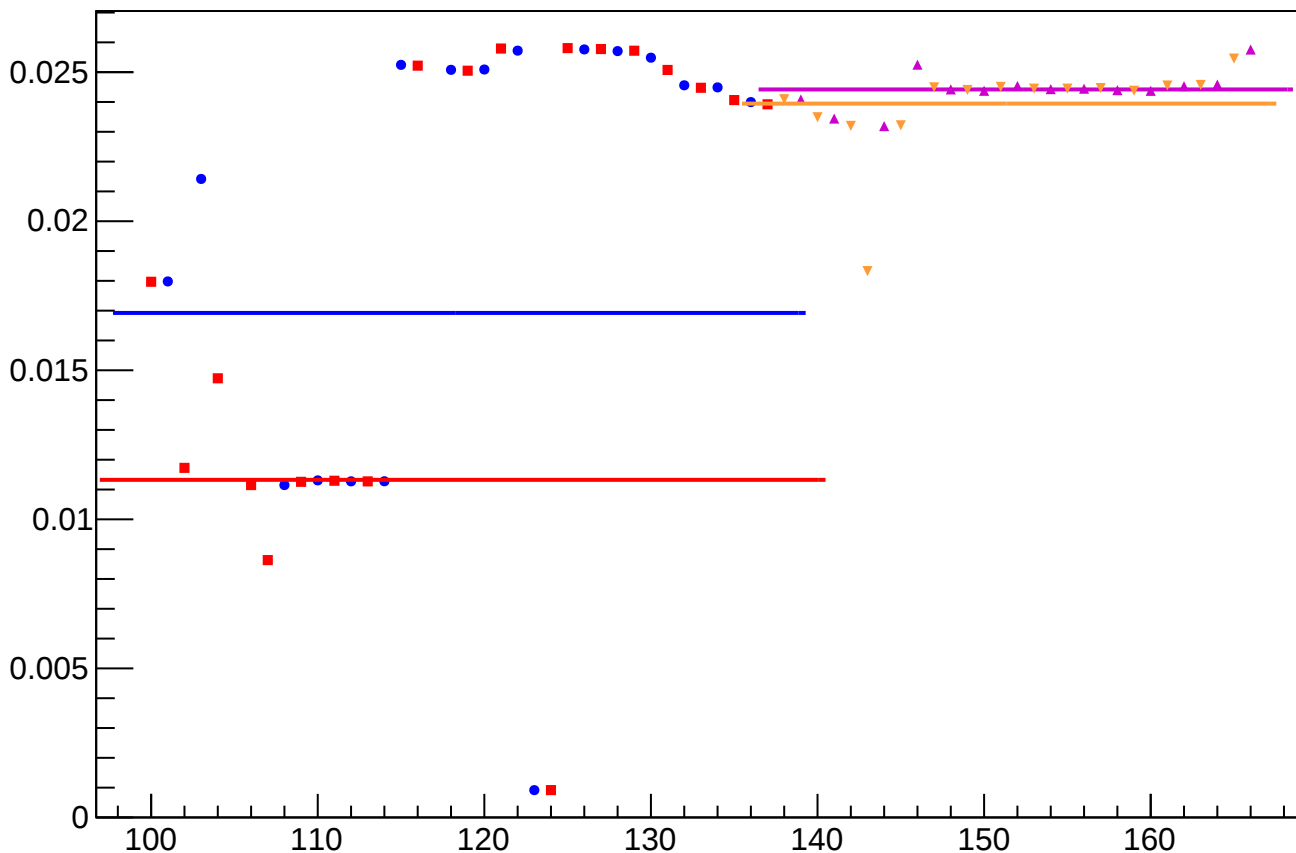
Right: 0.058 $\pm$ 0.000 χ^2/NDF : 98743.9/35

In: 0.057 $\pm$ 0.000 χ^2/NDF :57049.9/30

Out: 0.057 $\pm$ 0.000 χ^2/NDF :115685.1/33

All: 0.057 $\pm$ 0.000 χ^2/NDF : 173019.6/64

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000

χ²/NDF: 126447785006.7/16

Left: 0.024+/-0.000

χ²/NDF: 6327371198.3/28

Left Out: 0.024+/-0.000

χ²/NDF: 5440934137.3/14

Right: 0.014+/-0.000

χ²/NDF: 392122680736.2/35

Right Out: 0.011+/-0.000

χ²/NDF: 234754769754.2/18

In: 0.021+/-0.000

χ²/NDF: 179533272728.5/30

Out: 0.017+/-0.000

χ²/NDF: 420908573453.4/33

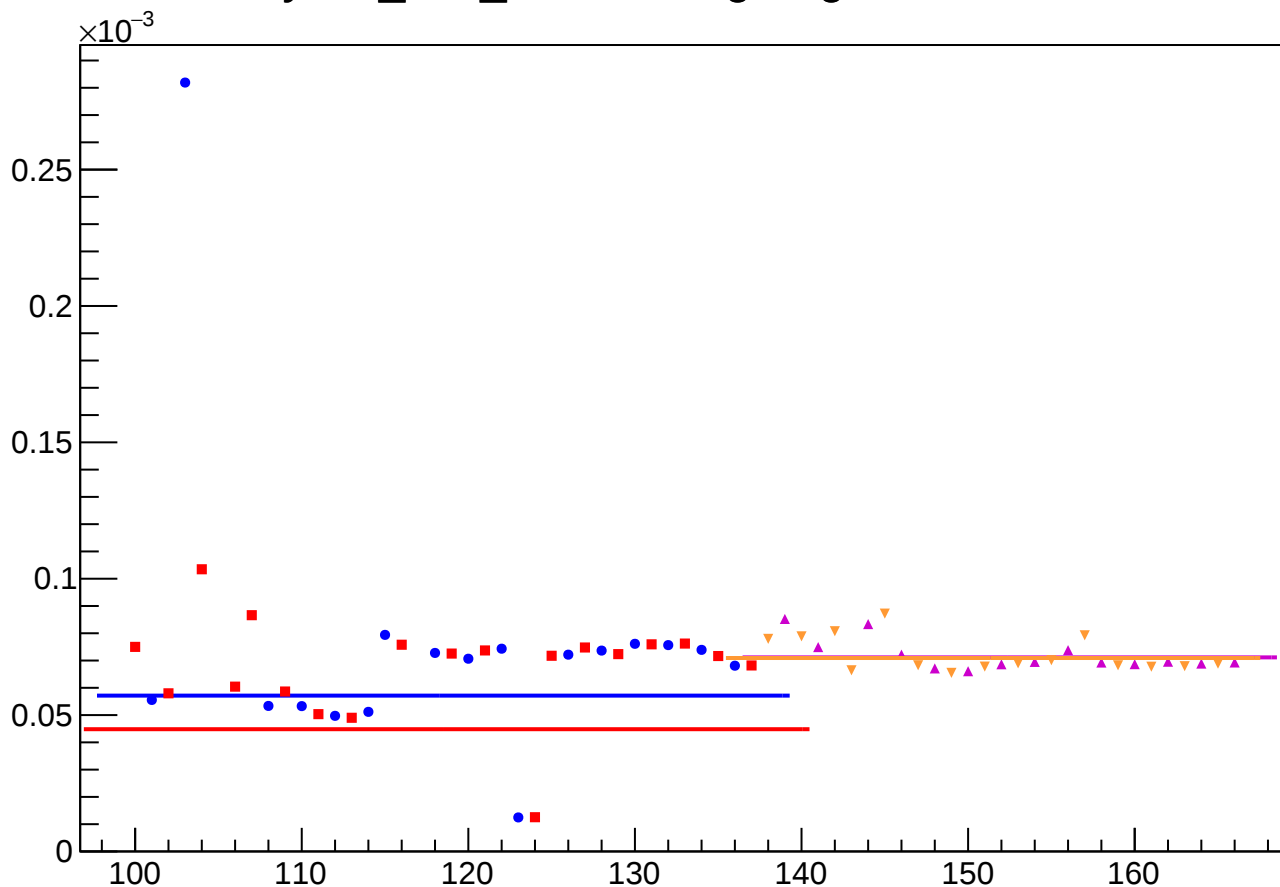
Left In: 0.024+/-0.000

χ²/NDF: 646307778.3/13

All: 0.019+/-0.000

χ²/NDF: 630161855282.7

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :140259.0/14

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

Left In: 0.000+/-0.000 χ^2/NDF :106008.9/13

Left: 0.000+/-0.000 χ^2/NDF : 246380.7/28

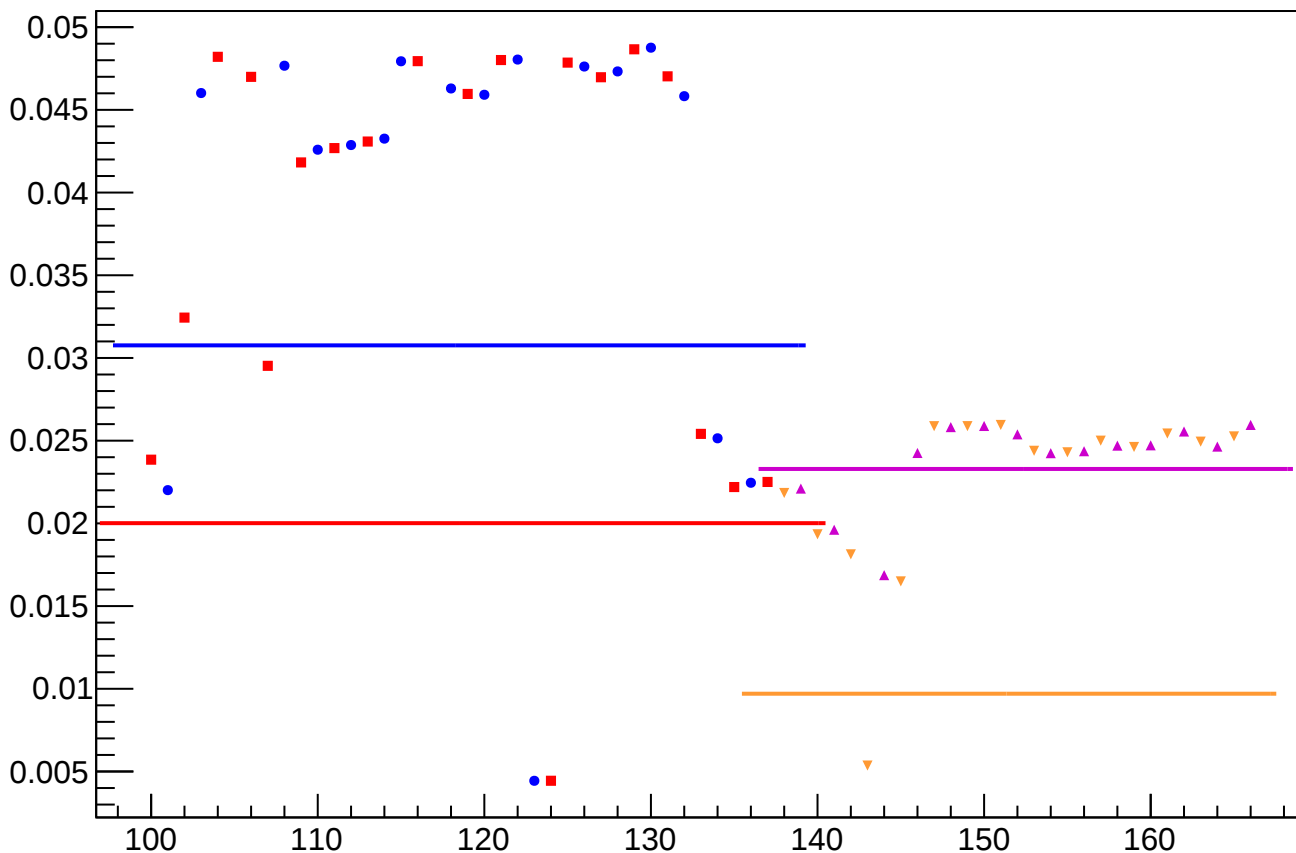
Right: 0.000+/-0.000 χ^2/NDF : 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF :2473260.4/30

Out: 0.000+/-0.000 χ^2/NDF :5278595.8/33

All: 0.000+/-0.000 χ^2/NDF : 8000119.0/64

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21174738549.0/16

Left: 0.012+/-0.000

χ^2/NDF : 45776764891.1/28

Left Out: 0.010+/-0.000

χ^2/NDF : 28080934609.6/14

Right: 0.024+/-0.000

χ^2/NDF : 66286425044.9/35

Right Out: 0.020+/-0.000

χ^2/NDF : 40011334157.0/18

In: 0.026+/-0.000

χ^2/NDF : 24677453058.8/30

Out: 0.012+/-0.000

χ^2/NDF : 78035139642.4/33

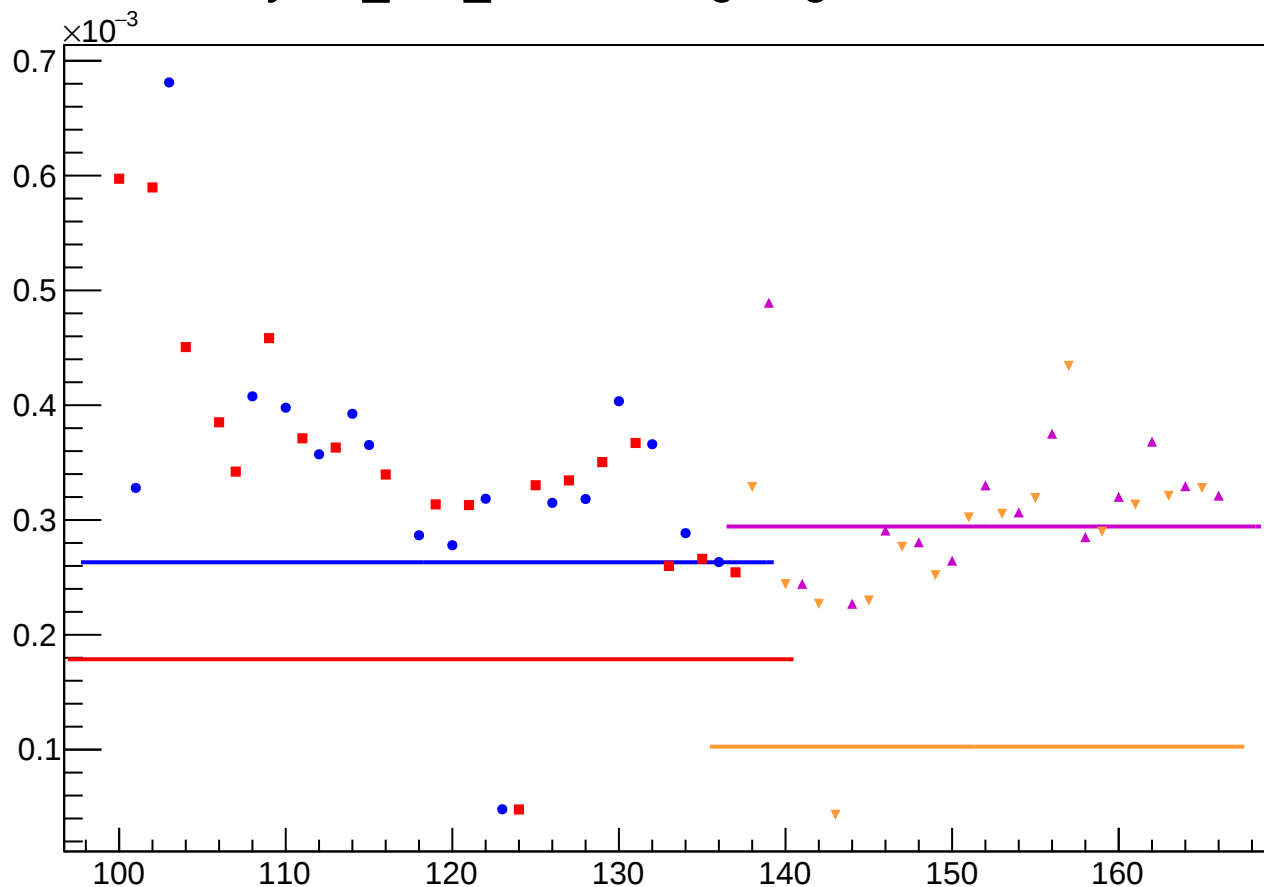
Left In: 0.023+/-0.000

χ^2/NDF : 1083135652.5/13

All: 0.015+/-0.000

χ^2/NDF : 131480826913.3

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :10433633.6/14

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF :616955.9/13

Left: 0.000+/-0.000 χ^2/NDF : 17669422.3/28

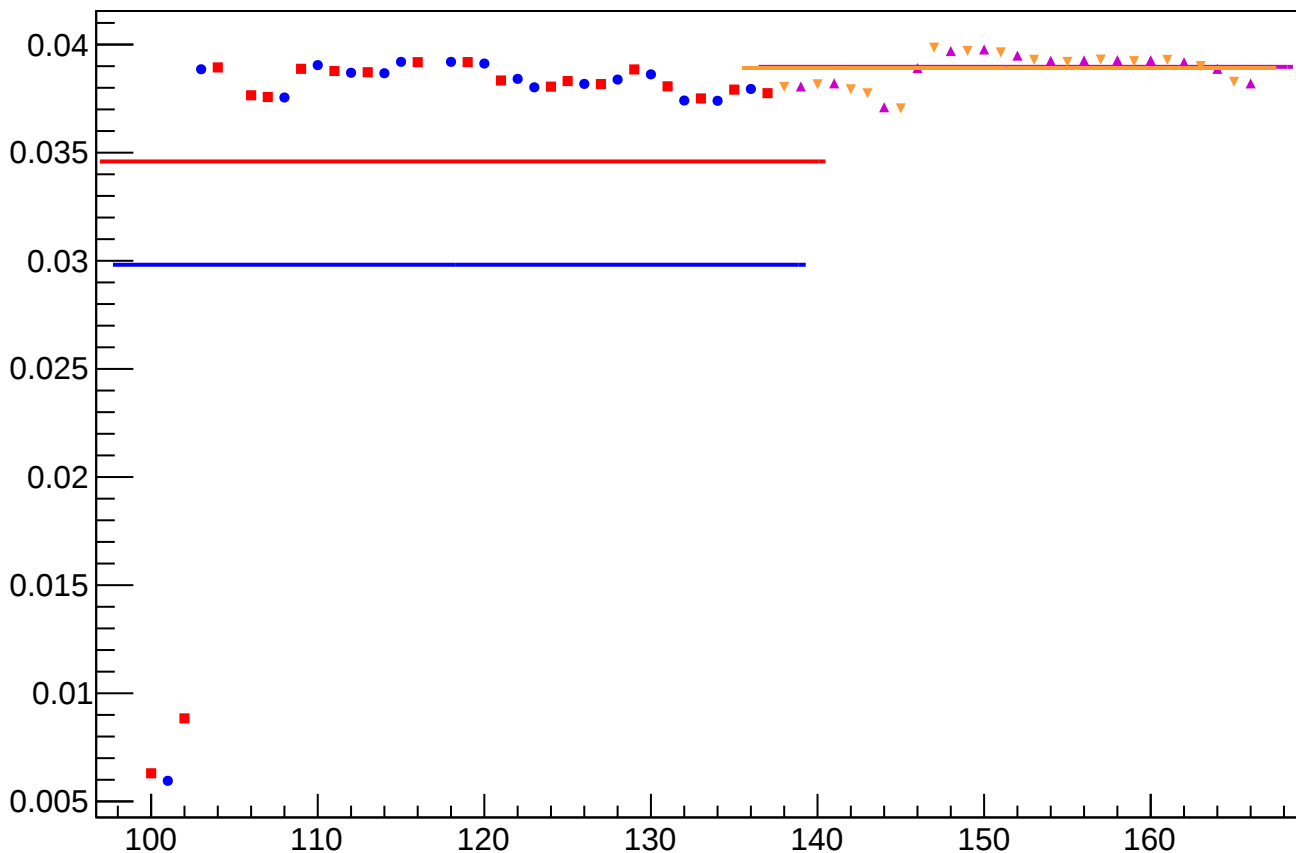
Right: 0.000+/-0.000 χ^2/NDF : 8372315.9/35

In: 0.000+/-0.000 χ^2/NDF :3102165.2/30

Out: 0.000+/-0.000 χ^2/NDF :16858812.7/33

All: 0.000+/-0.000 χ^2/NDF : 27452149.3/64

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000

χ^2/NDF : 97152184939.3/16

Left: 0.039+/-0.000

χ^2/NDF : 653144944.1/28

Left Out: 0.039+/-0.000

χ^2/NDF : 357537757.5/14

Right: 0.032+/-0.000

χ^2/NDF : 145974720907.4/35

Right Out: 0.035+/-0.000

χ^2/NDF : 43669374279.3/18

In: 0.035+/-0.000

χ^2/NDF : 119479586112.8/30

Out: 0.037+/-0.000

χ^2/NDF : 48741696625.7/33

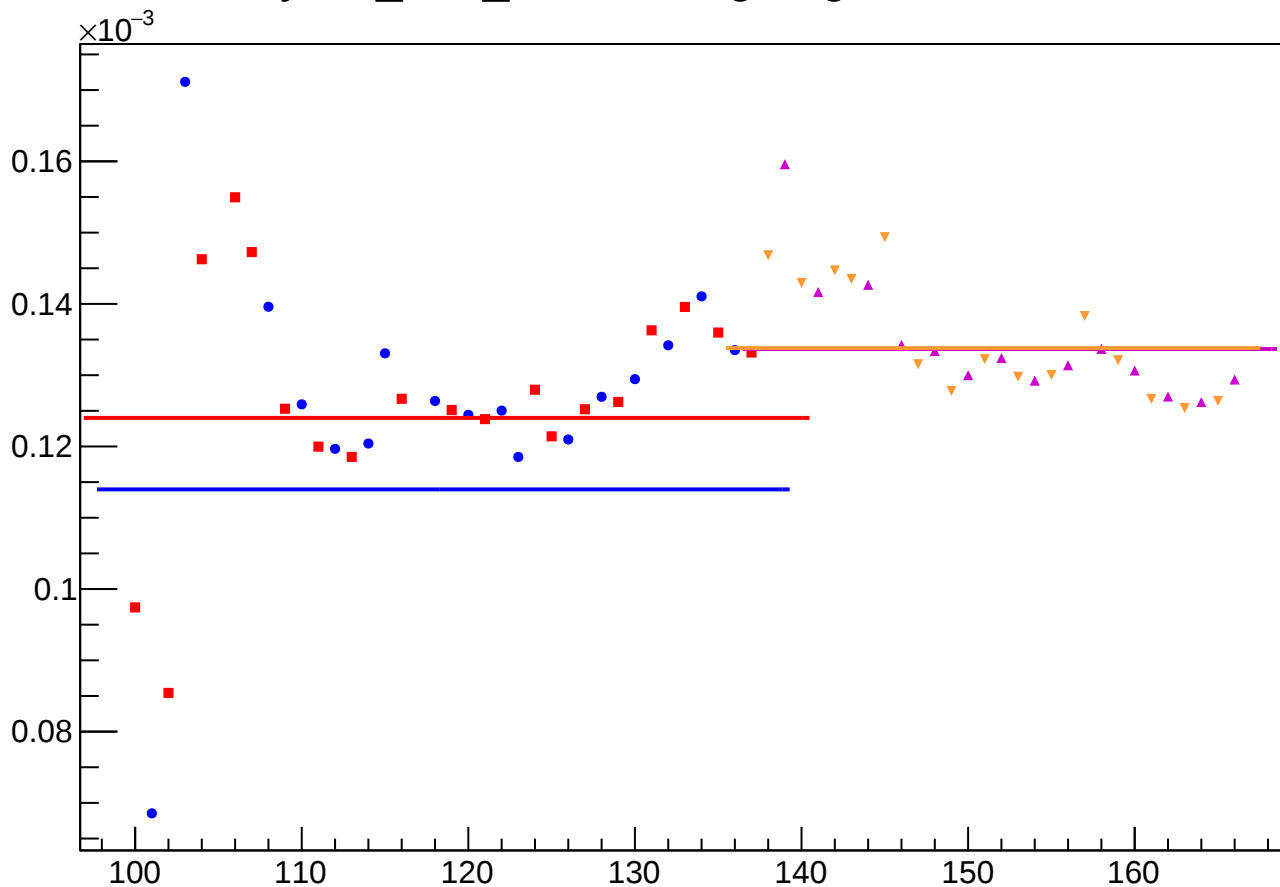
Left In: 0.039+/-0.000

χ^2/NDF : 294745990.9/13

All: 0.036+/-0.000

χ^2/NDF : 170767049287.0

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 68669.0/14

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 63567.7/13

Left: 0.000+/-0.000 χ^2/NDF : 132247.7/28

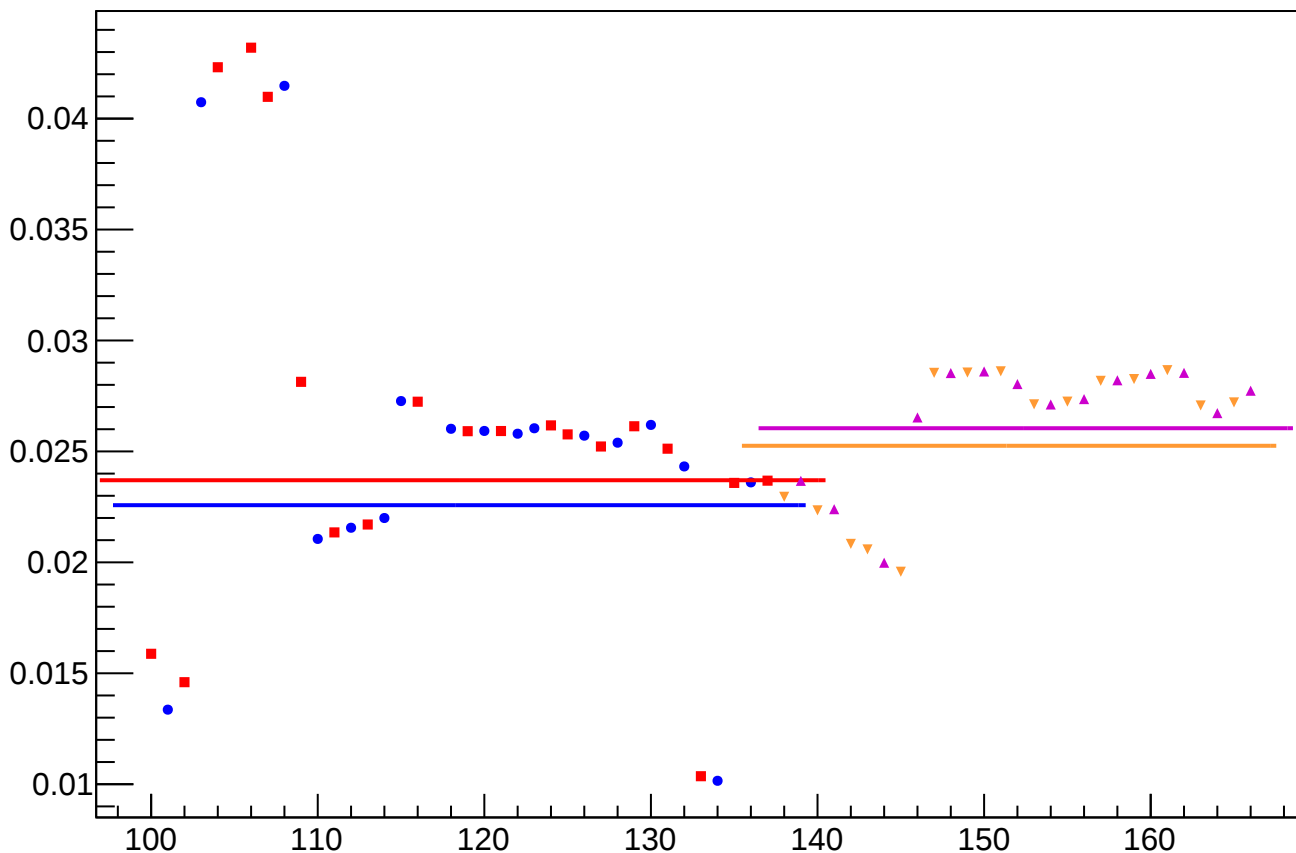
Right: 0.000+/-0.000 χ^2/NDF : 1085105.2/35

In: 0.000+/-0.000 χ^2/NDF : 1062052.5/30

Out: 0.000+/-0.000 χ^2/NDF : 362289.3/33

All: 0.000+/-0.000 χ^2/NDF : 1448326.0/64

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.025+/-0.000 χ^2/NDF : 1608335260.8/14

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

Left In: 0.026+/-0.000 χ^2/NDF : 1118358568.9/13

Left: 0.026+/-0.000 χ^2/NDF : 2765380185.7/28

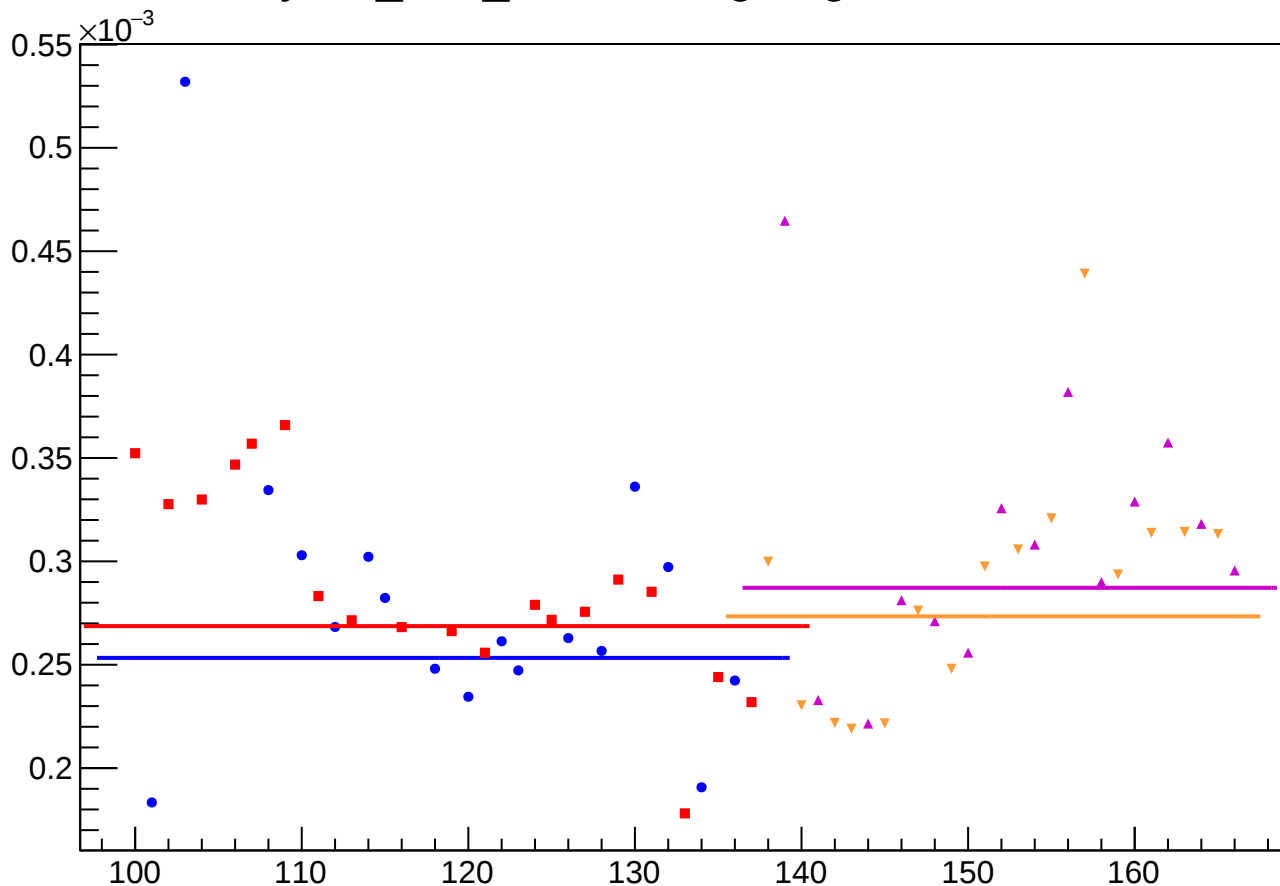
Right: 0.023+/-0.000 χ^2/NDF : 9954563356.3/35

In: 0.025+/-0.000 χ^2/NDF : 5980583997.9/30

Out: 0.025+/-0.000 χ^2/NDF : 7383921781.1/33

All: 0.025+/-0.000 χ^2/NDF : 13365519778.6/6

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF :558994.0/14

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

Left In: 0.000+/-0.000 χ^2/NDF :657404.7/13

Left: 0.000+/-0.000 χ^2/NDF : 1240011.0/28

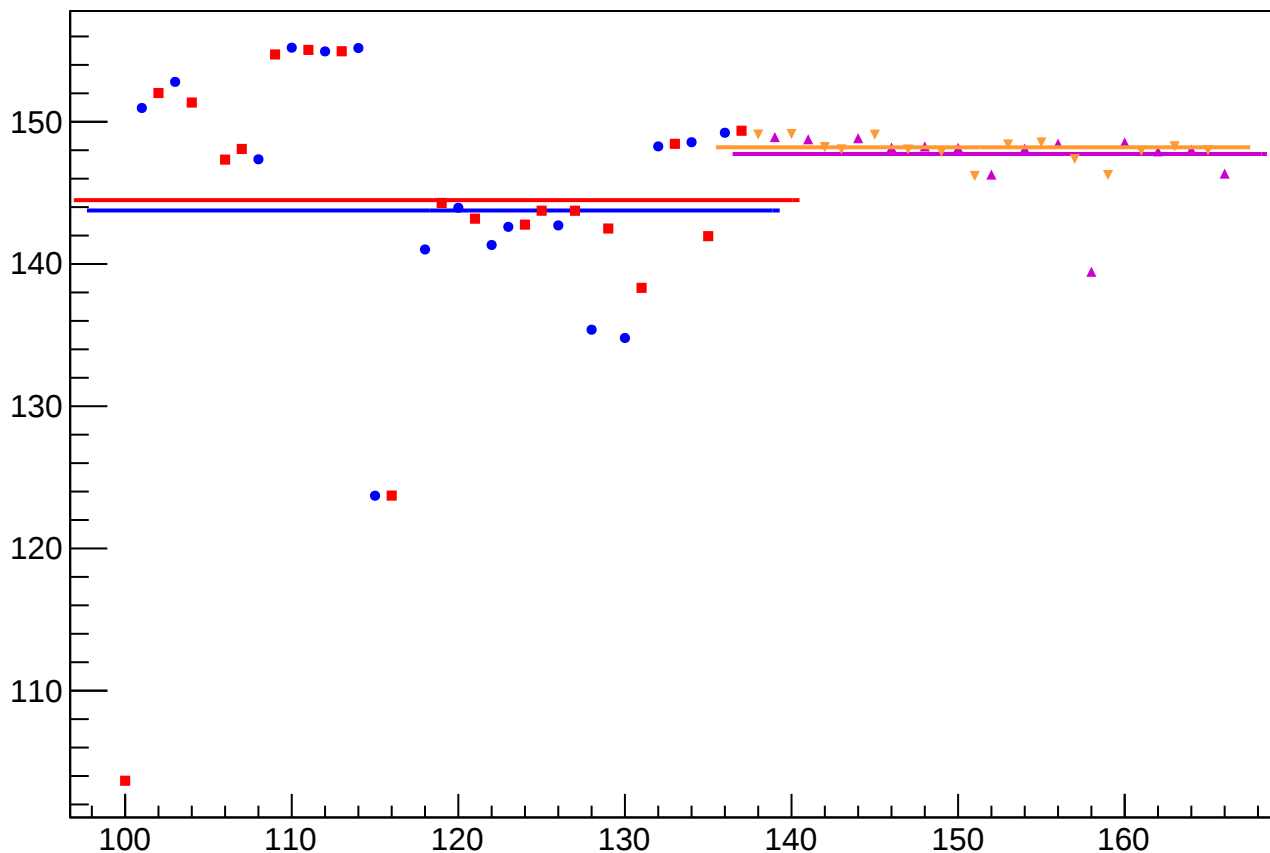
Right: 0.000+/-0.000 χ^2/NDF : 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF :1403897.3/30

Out: 0.000+/-0.000 χ^2/NDF :989614.7/33

All: 0.000+/-0.000 χ^2/NDF : 2393720.8/64

yield_bcm_an_ds_mean vs Slug, Sign Corrected



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: 147.737 $\pm$ 0.000 χ^2 /NDF: 325187601.5/13

Left: 147.979 $\pm$ 0.000 χ^2 /NDF: 383200897.2/28

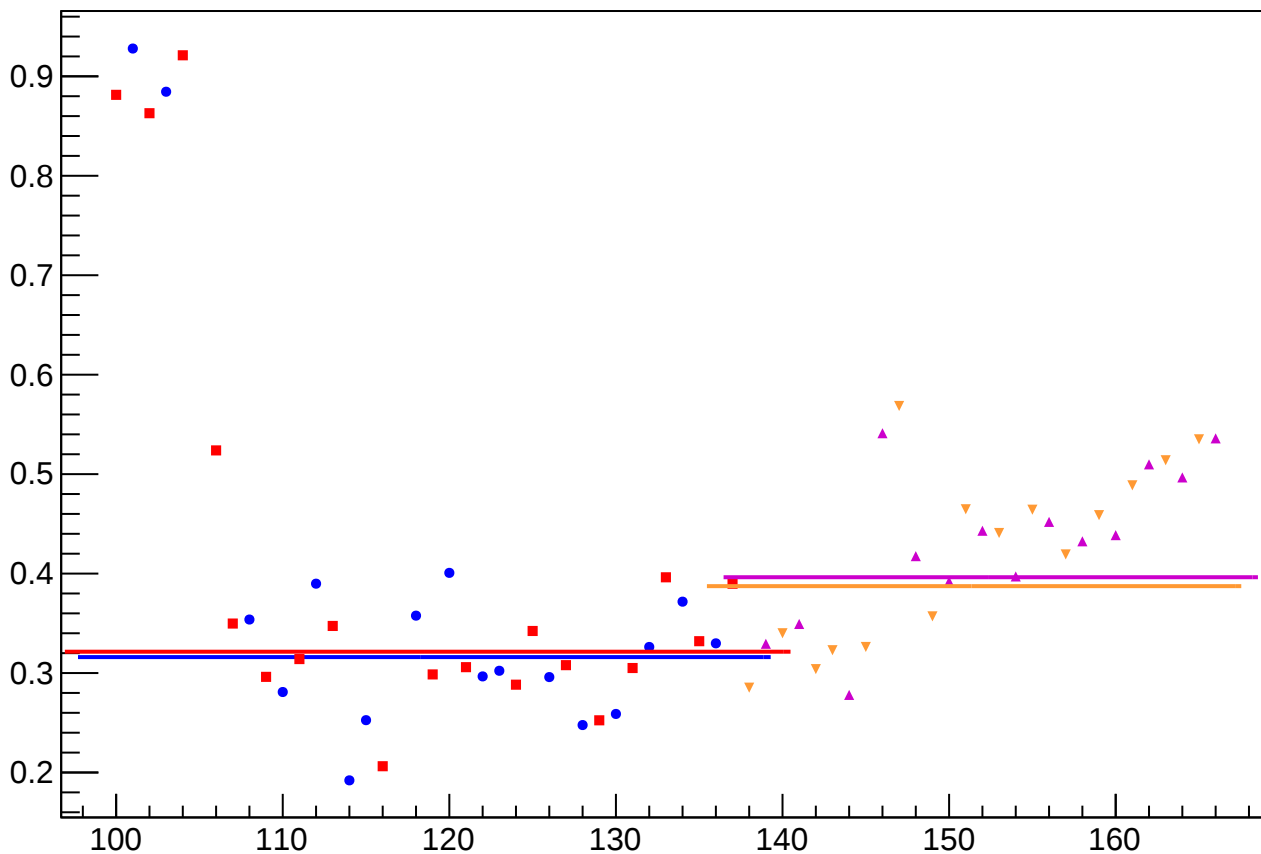
Right: 144.130 $\pm$ 0.000 χ^2 /NDF: 7732099987.4/35

In: 145.896 $\pm$ 0.000 χ^2 /NDF: 4331328051.8/30

Out: 146.521 $\pm$ 0.000 χ^2 /NDF: 4661074300.7/33

All: 146.215 $\pm$ 0.000 χ^2 /NDF: 9016345863.1

yield_bcm_an_ds_rms vs Slug, Sign Corrected



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: 0.396 $\pm$ 0.000 χ^2 /NDF: 766434.5/13

Left: 0.392 $\pm$ 0.000 χ^2 /NDF: 1711812.9/28

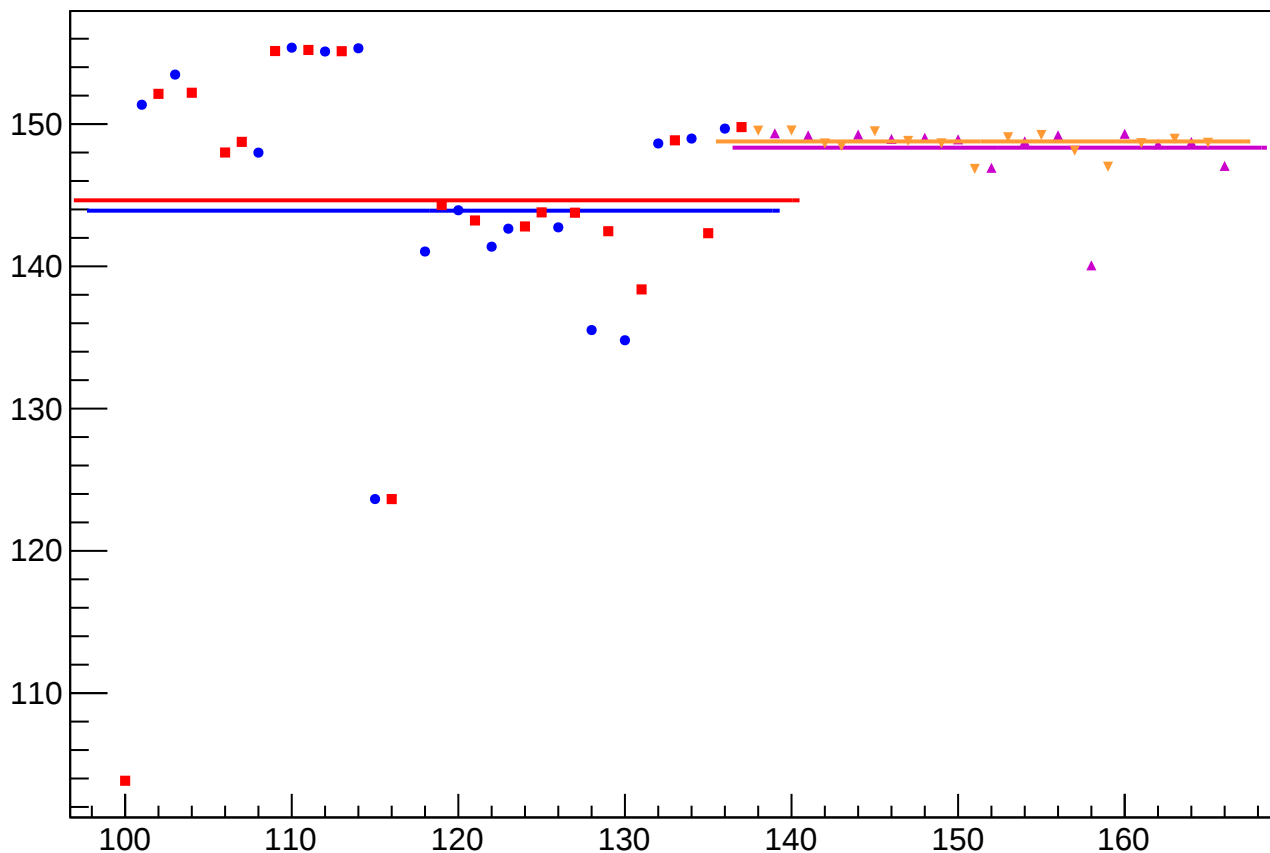
Right: 0.319 $\pm$ 0.000 χ^2 /NDF: 2486648.0/35

In: 0.359 $\pm$ 0.000 χ^2 /NDF: 2417371.4/30

Out: 0.357 $\pm$ 0.000 χ^2 /NDF: 2428260.8/33

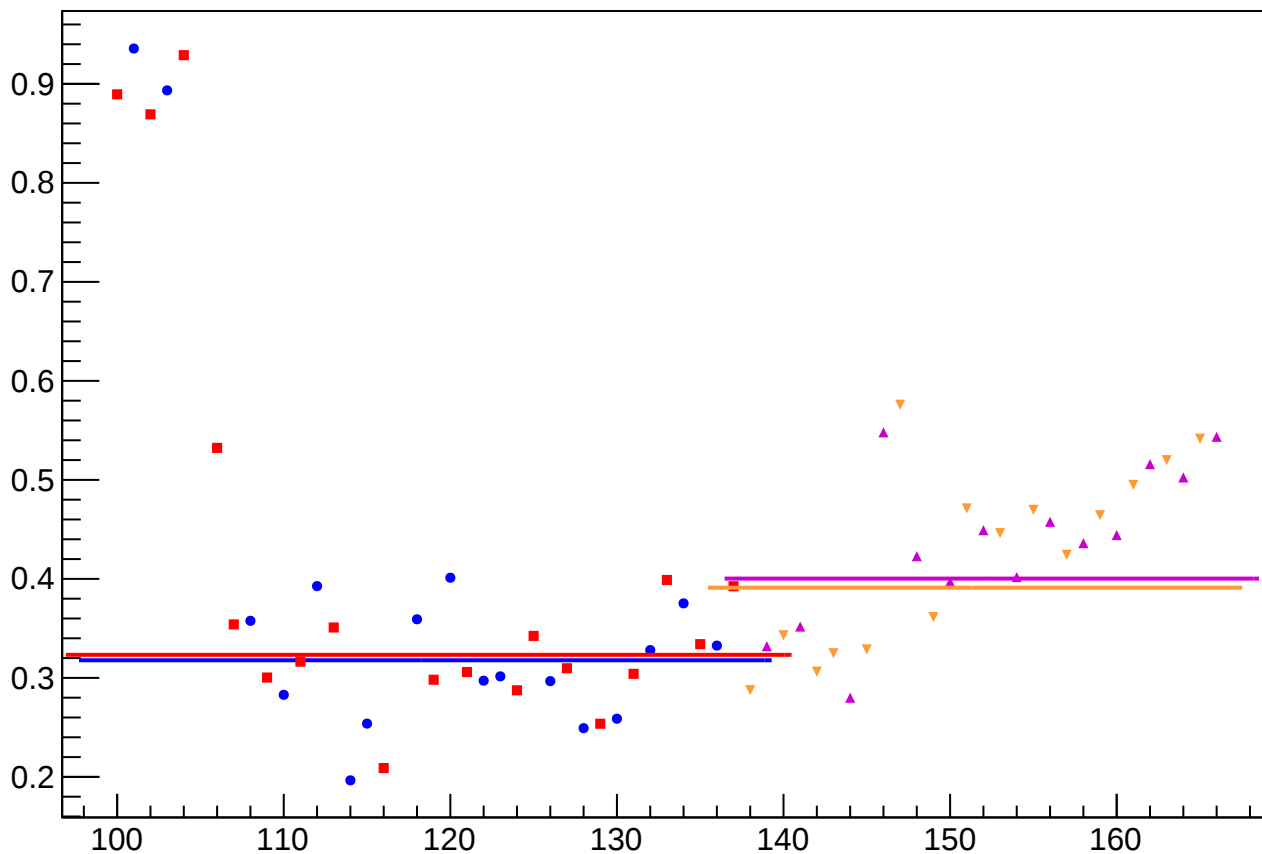
All: 0.358 $\pm$ 0.000 χ^2 /NDF: 4845968.4/64

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000	χ^2 /NDF: 3587769790.2/16	Left: 148.567 $\pm$ 0.000	χ^2 /NDF: 359984417.8/28
Left Out: 148.780 $\pm$ 0.000	χ^2 /NDF: 39824944.1/14	Right: 144.280 $\pm$ 0.000	χ^2 /NDF: 7812104995.9/35
Right Out: 144.640 $\pm$ 0.000	χ^2 /NDF: 4209610240.4/18	In: 146.279 $\pm$ 0.000	χ^2 /NDF: 4477981275.1/30
Left In: 148.341 $\pm$ 0.000	χ^2 /NDF: 313900720.1/13	Out: 146.894 $\pm$ 0.000	χ^2 /NDF: 4771953618.9/33
		All: 146.593 $\pm$ 0.000	χ^2 /NDF: 9272748432.3

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.391 $\pm$ 0.000 χ^2 /NDF: 957496.4/14

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222241.9/18

Left In: 0.400 $\pm$ 0.000 χ^2 /NDF: 782910.3/13

Left: 0.396 $\pm$ 0.000 χ^2 /NDF: 1745883.5/28

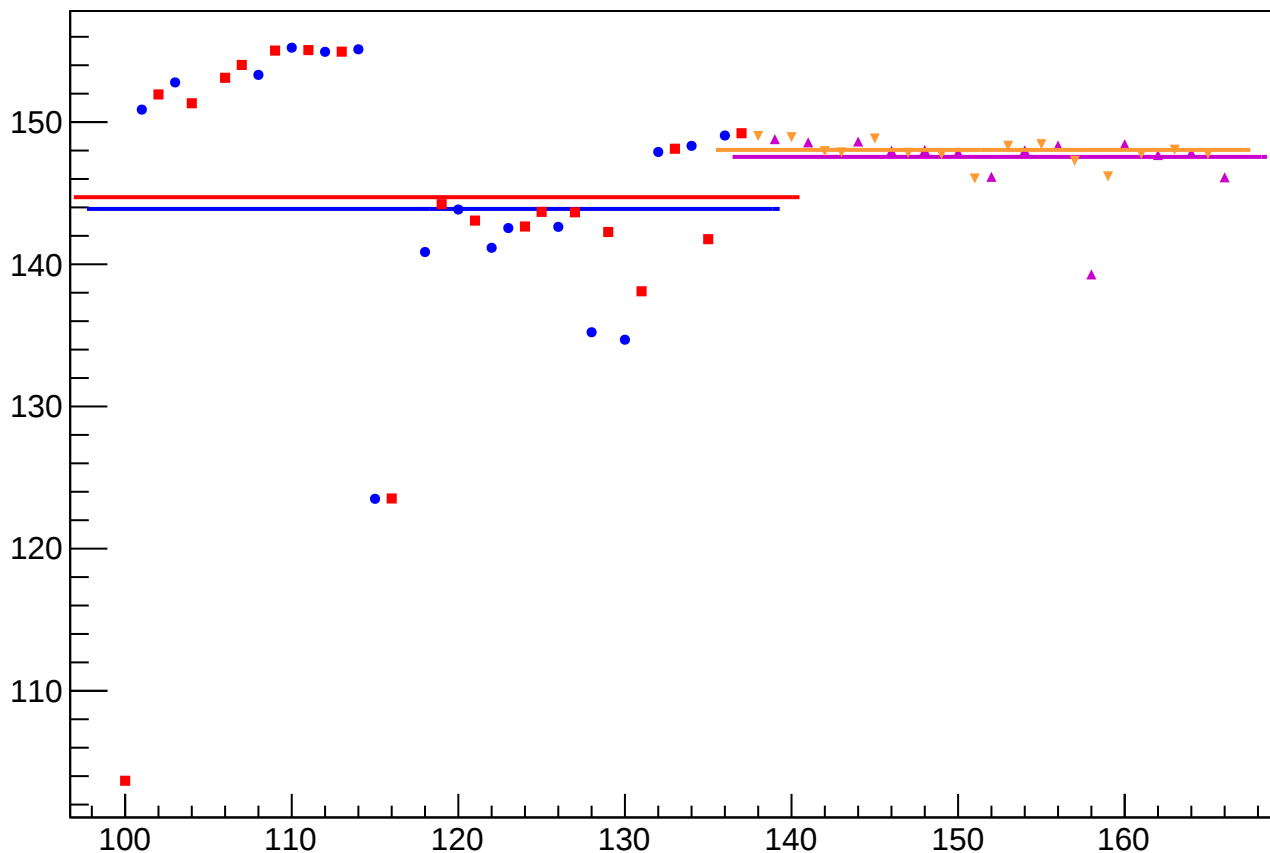
Right: 0.321 $\pm$ 0.000 χ^2 /NDF: 2492180.0/35

In: 0.362 $\pm$ 0.000 χ^2 /NDF: 2451085.7/30

Out: 0.360 $\pm$ 0.000 χ^2 /NDF: 2460206.7/33

All: 0.361 $\pm$ 0.000 χ^2 /NDF: 4911625.2/64

yield_bcm_an_us_mean vs Slug, Sign Corrected



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: 147.553+/-0.000 χ^2/NDF : 324004254.2/13

Left: 147.806+/-0.000 χ^2/NDF : 381086159.9/28

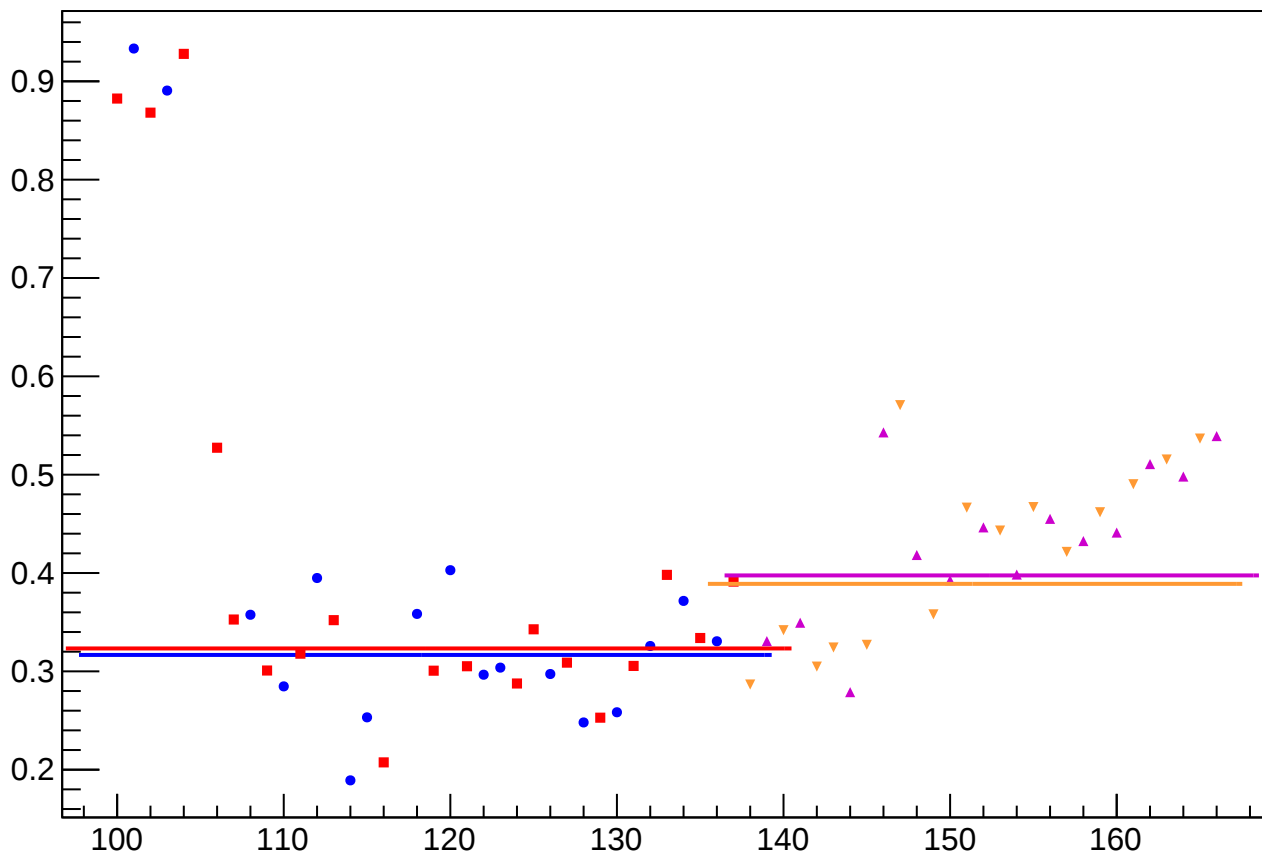
Right: 144.309+/-0.000 χ^2/NDF : 8244852440.8/35

In: 145.857+/-0.000 χ^2/NDF : 4474002176.7/30

Out: 146.540+/-0.000 χ^2/NDF : 4861707121.6/33

All: 146.205+/-0.000 χ^2/NDF : 9363967617.3

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.389 $\pm$ 0.000 χ^2 /NDF: 941361.9/14

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222784.7/18

Left In: 0.398 $\pm$ 0.000 χ^2 /NDF: 770831.4/13

Left: 0.393 $\pm$ 0.000 χ^2 /NDF: 1717045.2/28

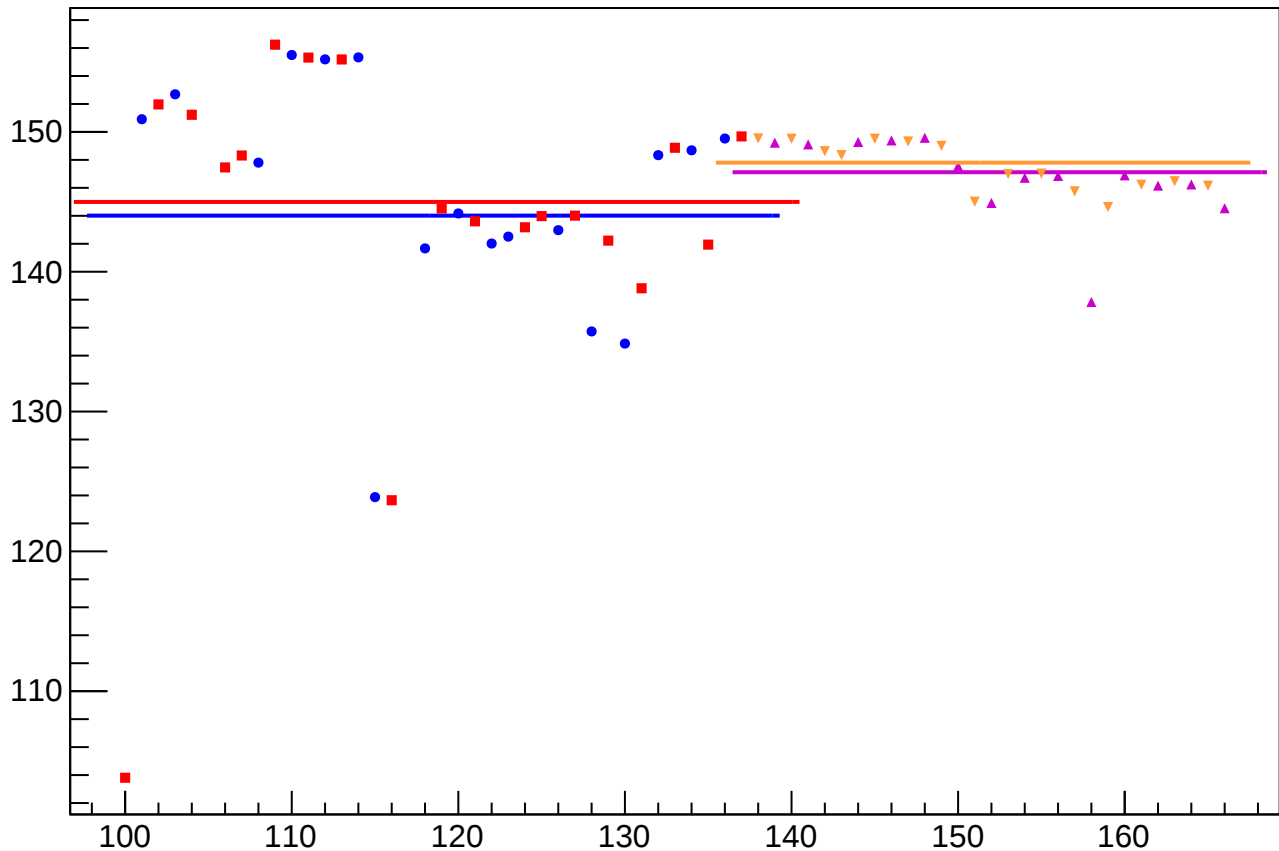
Right: 0.320 $\pm$ 0.000 χ^2 /NDF: 2505560.8/35

In: 0.360 $\pm$ 0.000 χ^2 /NDF: 2439031.7/30

Out: 0.359 $\pm$ 0.000 χ^2 /NDF: 2428708.8/33

All: 0.360 $\pm$ 0.000 χ^2 /NDF: 4867830.1/64

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 ± 0.000 $\chi^2/\text{NDF}: 3241696920.3/16$

Left Out: 147.804 ± 0.000 $\chi^2/\text{NDF}: 177245418.4/14$

Right Out: 144.994 ± 0.000 $\chi^2/\text{NDF}: 3852381452.1/18$

Left In: 147.118 ± 0.000 $\chi^2/\text{NDF}: 499825446.9/13$

Left: 147.470 ± 0.000 $\chi^2/\text{NDF}: 691416069.8/28$

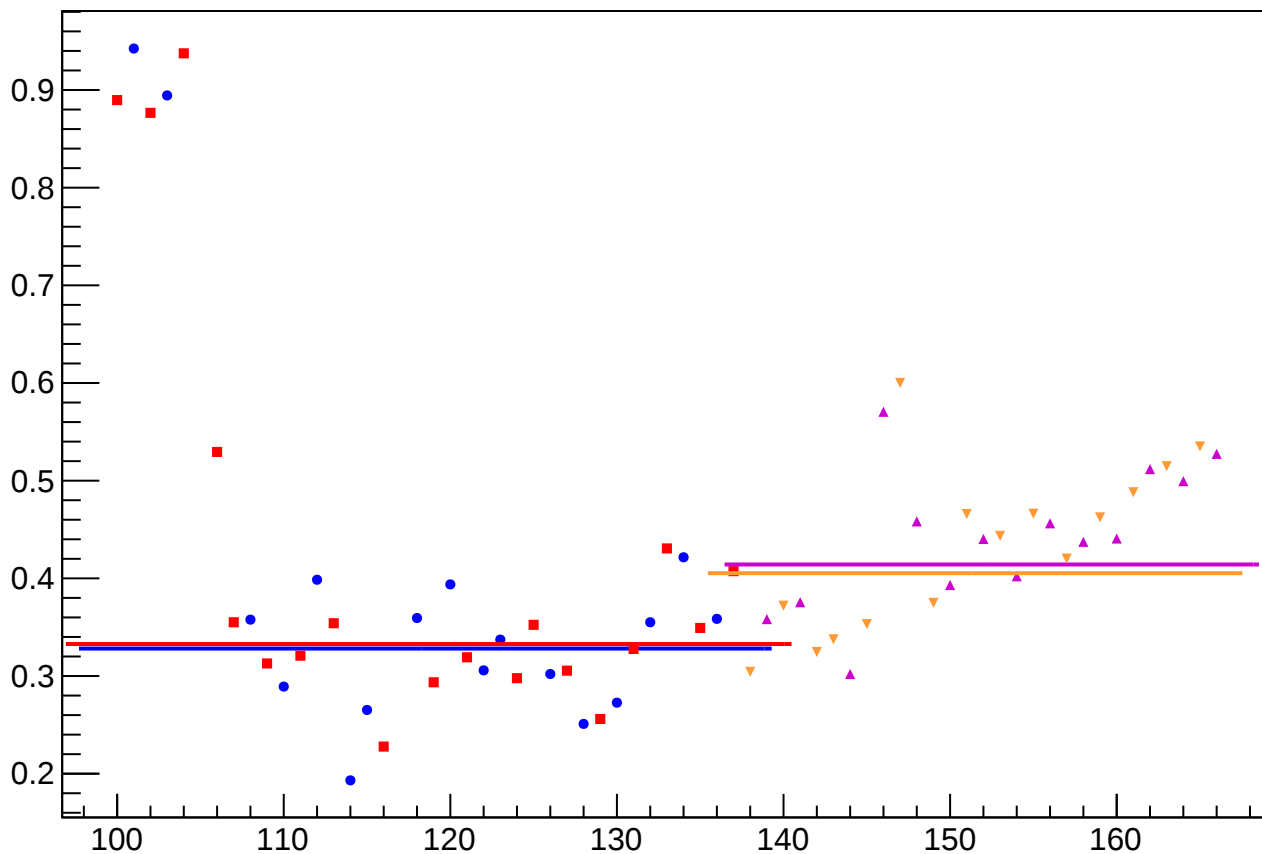
Right: 144.510 ± 0.000 $\chi^2/\text{NDF}: 7119138597.7/35$

In: 145.679 ± 0.000 $\chi^2/\text{NDF}: 4007135922.4/30$

Out: 146.519 ± 0.000 $\chi^2/\text{NDF}: 4256049456.8/33$

All: 146.108 ± 0.000 $\chi^2/\text{NDF}: 8303133220.2$

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.405+/-0.000 χ^2/NDF : 736398.9/14

Right Out: 0.333+/-0.000 χ^2/NDF : 1185129.6/18

Left In: 0.414+/-0.000 χ^2/NDF : 582350.9/13

Left: 0.410+/-0.000 χ^2/NDF : 1323594.8/28

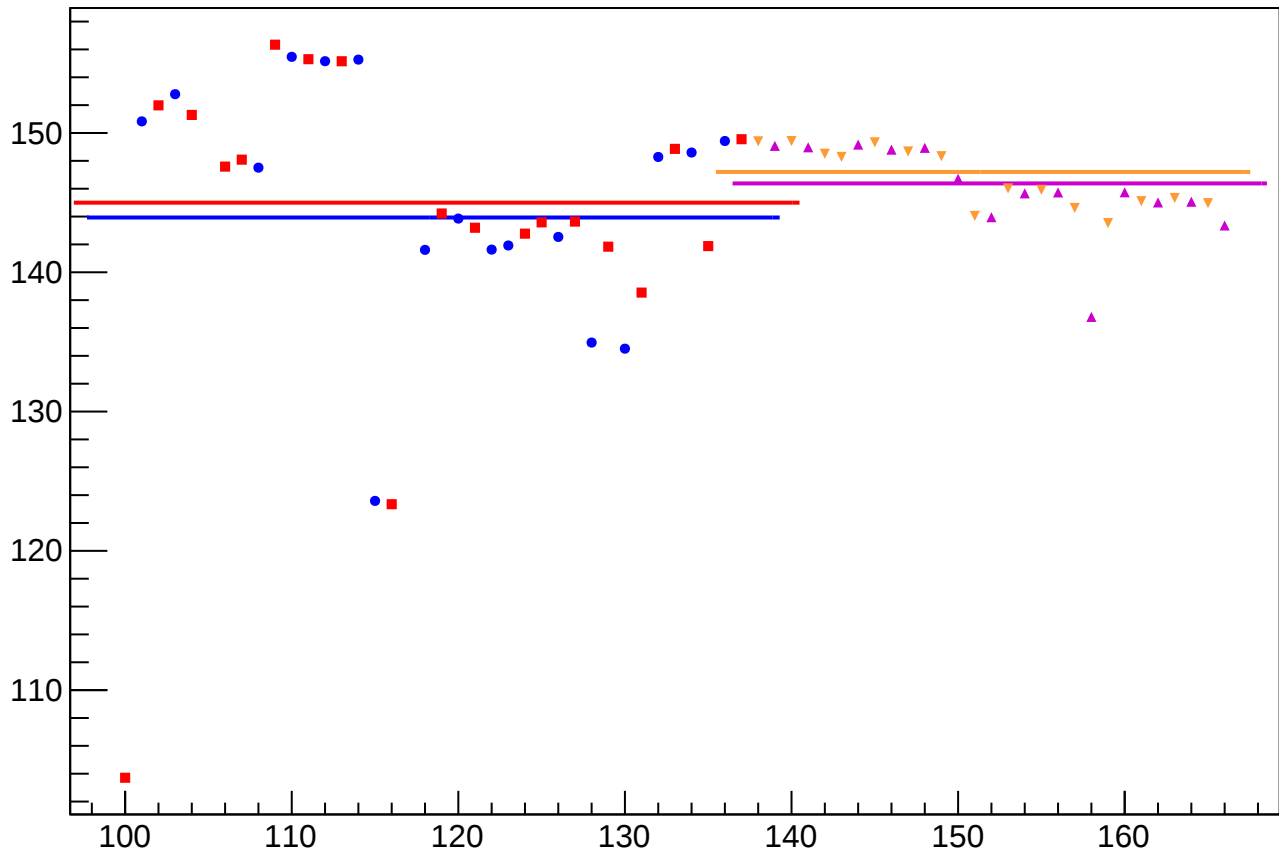
Right: 0.330+/-0.000 χ^2/NDF : 2452140.8/35

In: 0.374+/-0.000 χ^2/NDF : 2256298.7/30

Out: 0.372+/-0.000 χ^2/NDF : 2223210.1/33

All: 0.373+/-0.000 χ^2/NDF : 4480041.8/64

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 ± 0.000 $\chi^2/\text{NDF}: 3383012861.2/16$

Left Out: 147.203 ± 0.000 $\chi^2/\text{NDF}: 271206389.1/14$

Right Out: 144.998 ± 0.000 $\chi^2/\text{NDF}: 3932958476.0/18$

Left In: 146.379 ± 0.000 $\chi^2/\text{NDF}: 614813801.7/13$

Left: 146.803 ± 0.000 $\chi^2/\text{NDF}: 906642894.3/28$

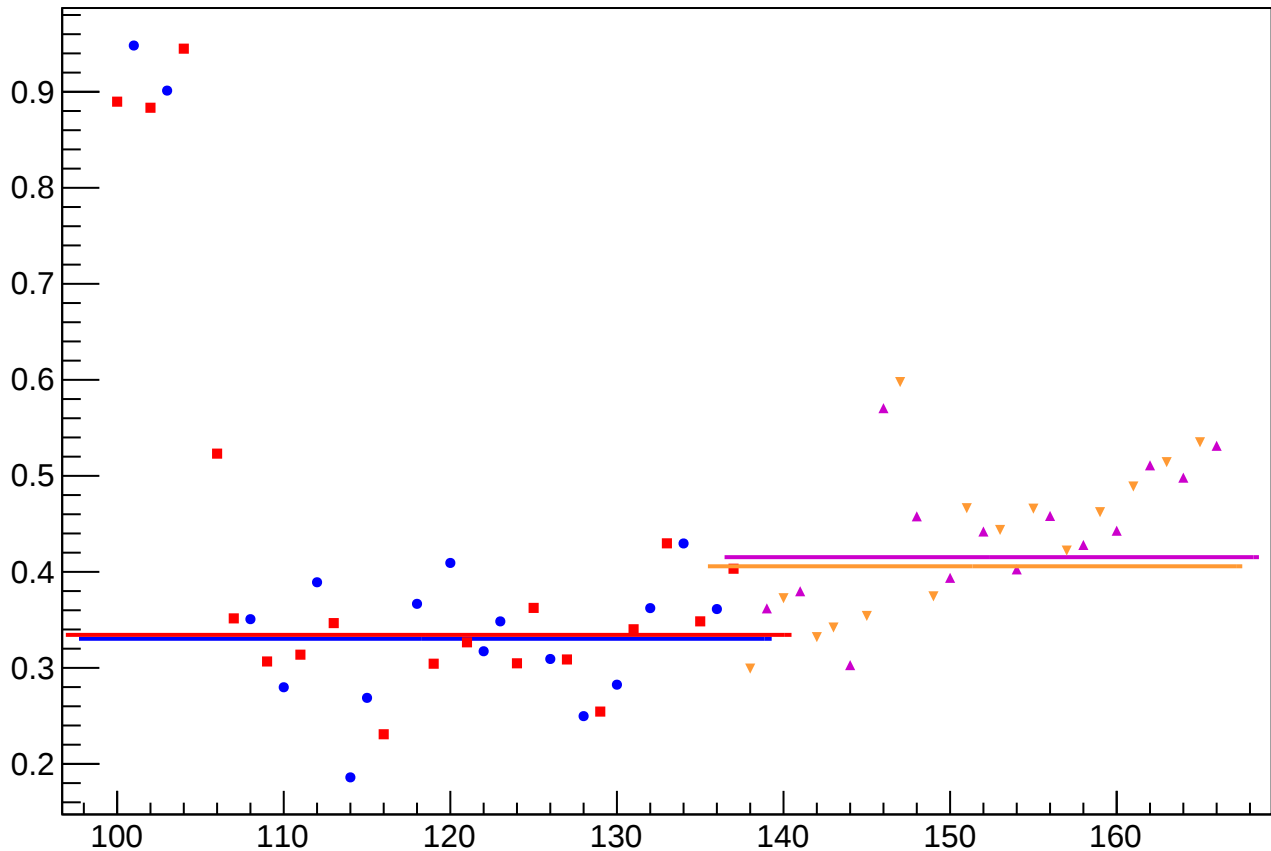
Right: 144.474 ± 0.000 $\chi^2/\text{NDF}: 7345100324.4/35$

In: 145.252 ± 0.000 $\chi^2/\text{NDF}: 4160672131.4/30$

Out: 146.199 ± 0.000 $\chi^2/\text{NDF}: 4342495219.4/33$

All: 145.736 ± 0.000 $\chi^2/\text{NDF}: 8553476504.2$

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.406+/-0.000 χ^2/NDF : 734371.4/14

Right Out: 0.334+/-0.000 χ^2/NDF : 1174012.0/18

Left In: 0.415+/-0.000 χ^2/NDF : 567026.8/13

Left: 0.410+/-0.000 χ^2/NDF : 1306893.0/28

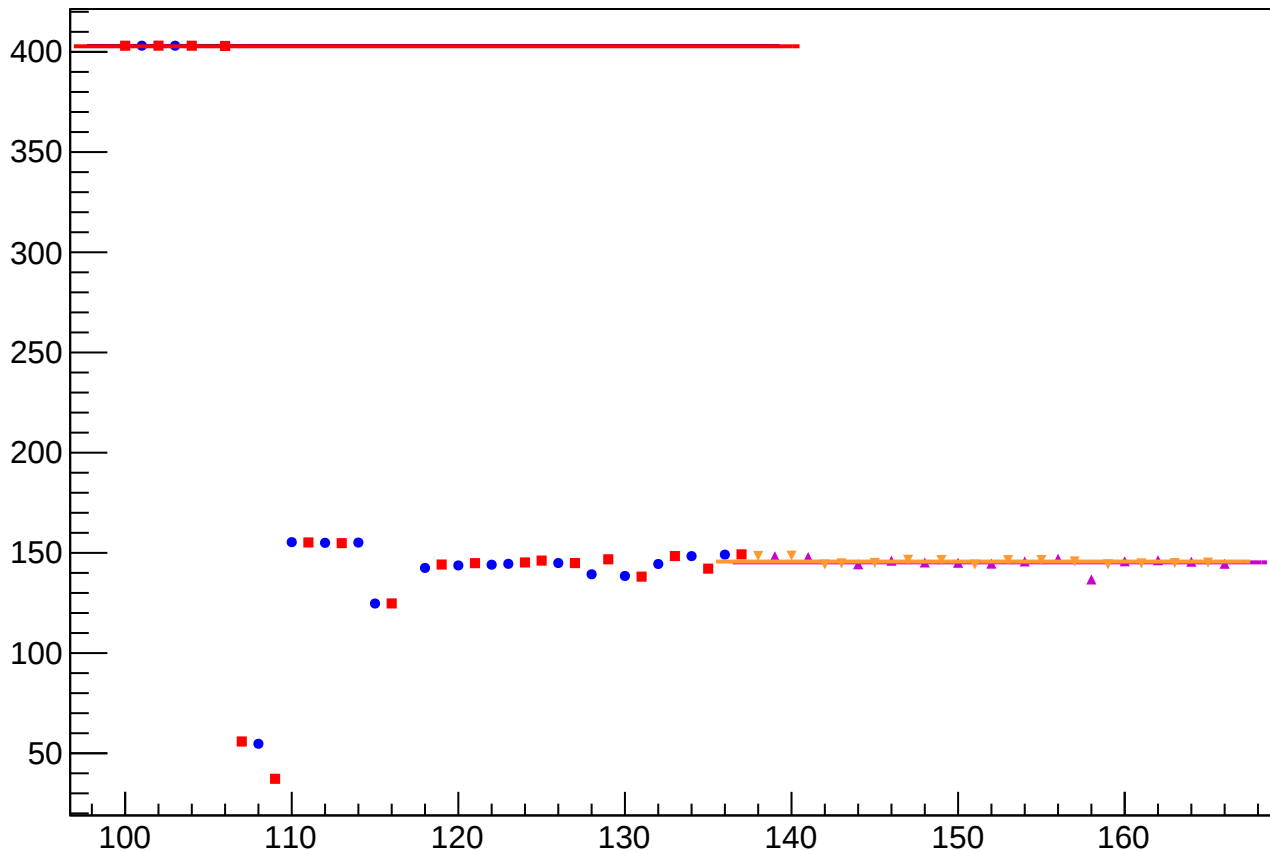
Right: 0.332+/-0.000 χ^2/NDF : 2458819.5/35

In: 0.376+/-0.000 χ^2/NDF : 2244193.8/30

Out: 0.373+/-0.000 χ^2/NDF : 2198577.7/33

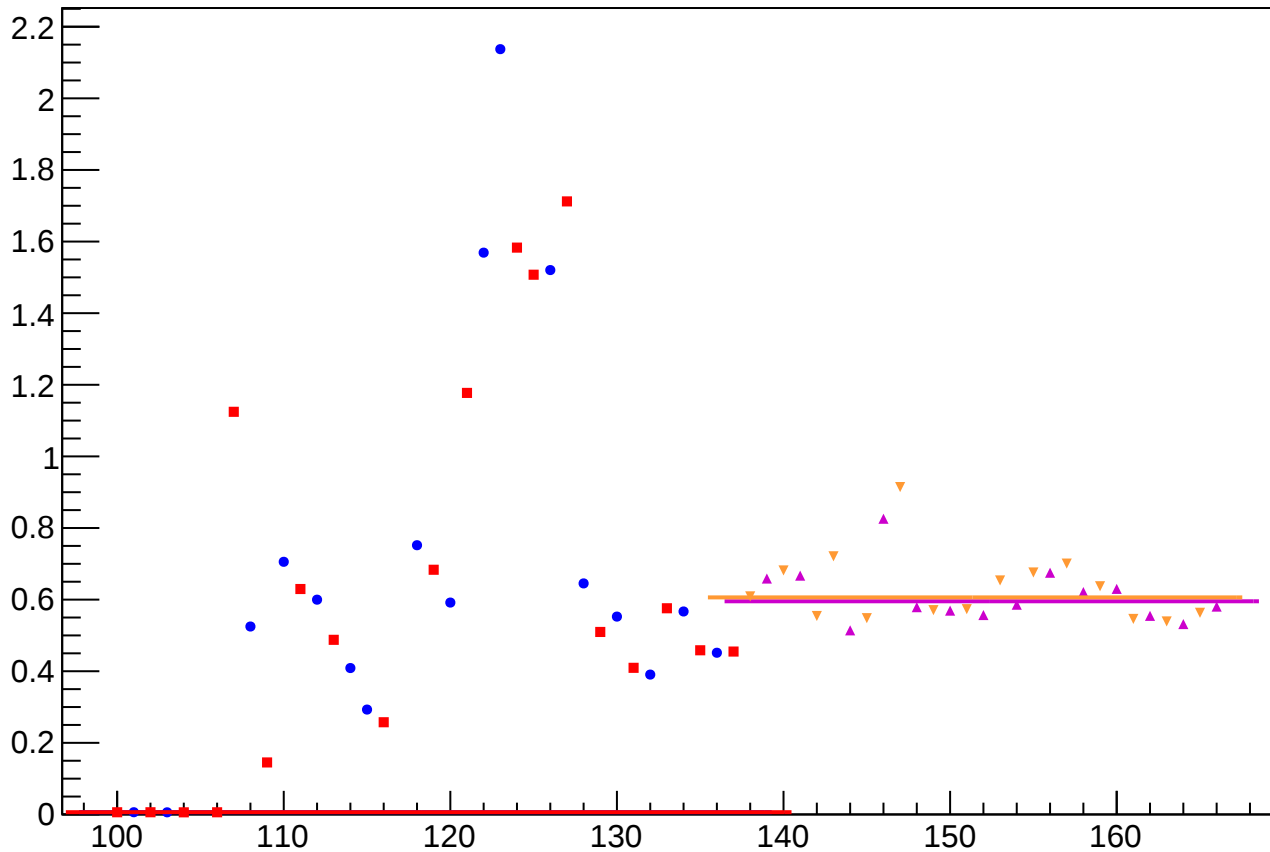
All: 0.375+/-0.000 χ^2/NDF : 4443684.3/64

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16
 Left Out: 145.669+/-0.000 χ^2/NDF : 40830239.6/14
 Right Out: 402.799+/-0.000 χ^2/NDF : 3102036567767.5/18
 Left In: 145.271+/-0.000 χ^2/NDF : 130553742.5/13
 Left: 145.468+/-0.000 χ^2/NDF : 173093492.2/28
 Right: 402.873+/-0.000 χ^2/NDF : 4196818264482.1/16
 In: 402.778+/-0.000 χ^2/NDF : 2538814419539.7/30
 Out: 402.644+/-0.000 χ^2/NDF : 4509812404514.7/30
 All: 402.706+/-0.000 χ^2/NDF : 704892460084.0/16

yield_cav4bQ_rms vs Slug, Sign Corrected



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: 0.595+/-0.000 χ^2/NDF : 187722.1/13

Left: 0.601+/-0.000 χ^2/NDF : 445054.8/28

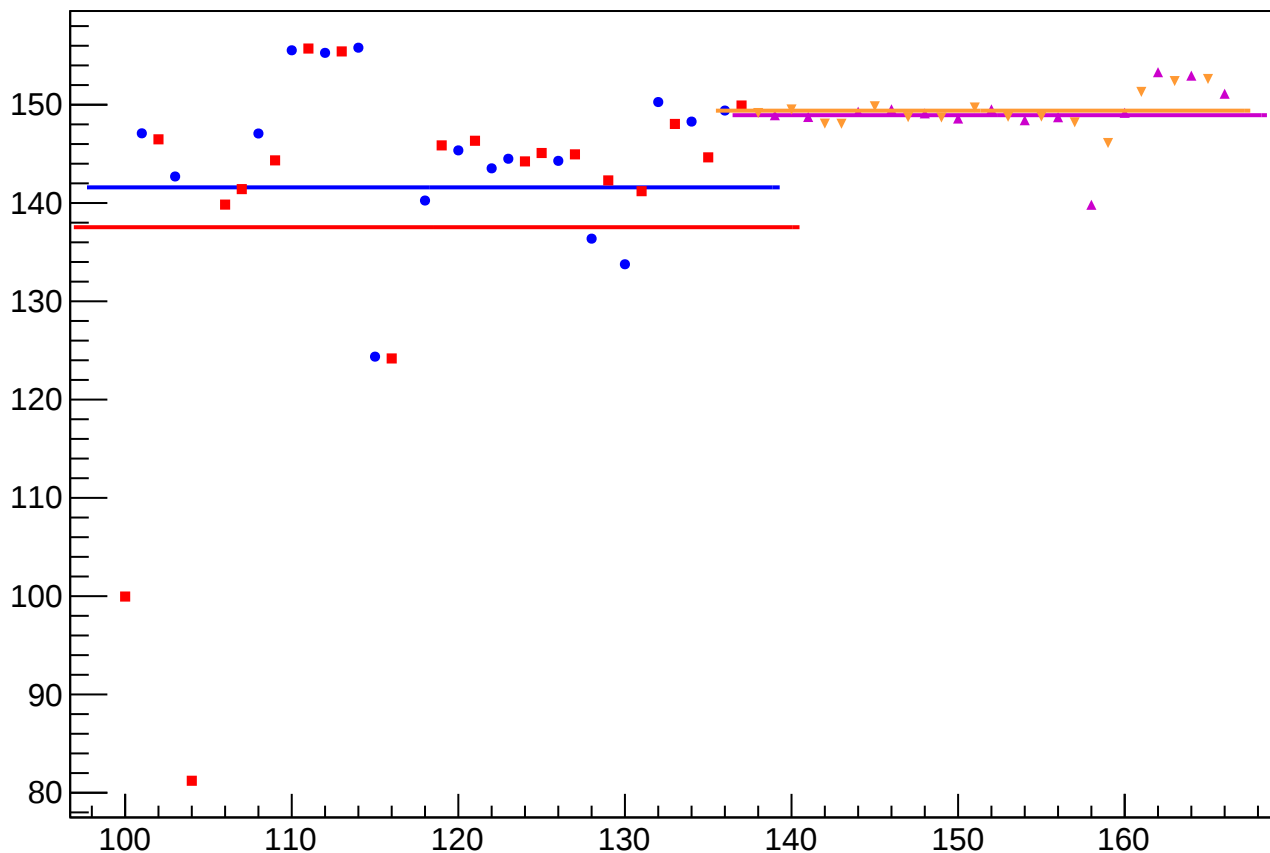
Right: 0.006+/-0.000 χ^2/NDF : 18272681.8/35

In: 0.007+/-0.000 χ^2/NDF : 24359141.9/30

Out: 0.007+/-0.000 χ^2/NDF : 24772808.6/33

All: 0.007+/-0.000 χ^2/NDF : 49132067.2/64

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 149.396 $\pm$ 0.000 χ^2 /NDF: 103581306.8/14

Right Out: 137.539 $\pm$ 0.000 χ^2 /NDF: 1316096307.7/18

Left In: 148.935 $\pm$ 0.000 χ^2 /NDF: 363051433.5/13

Left: 149.169 $\pm$ 0.000 χ^2 /NDF: 470405771.4/28

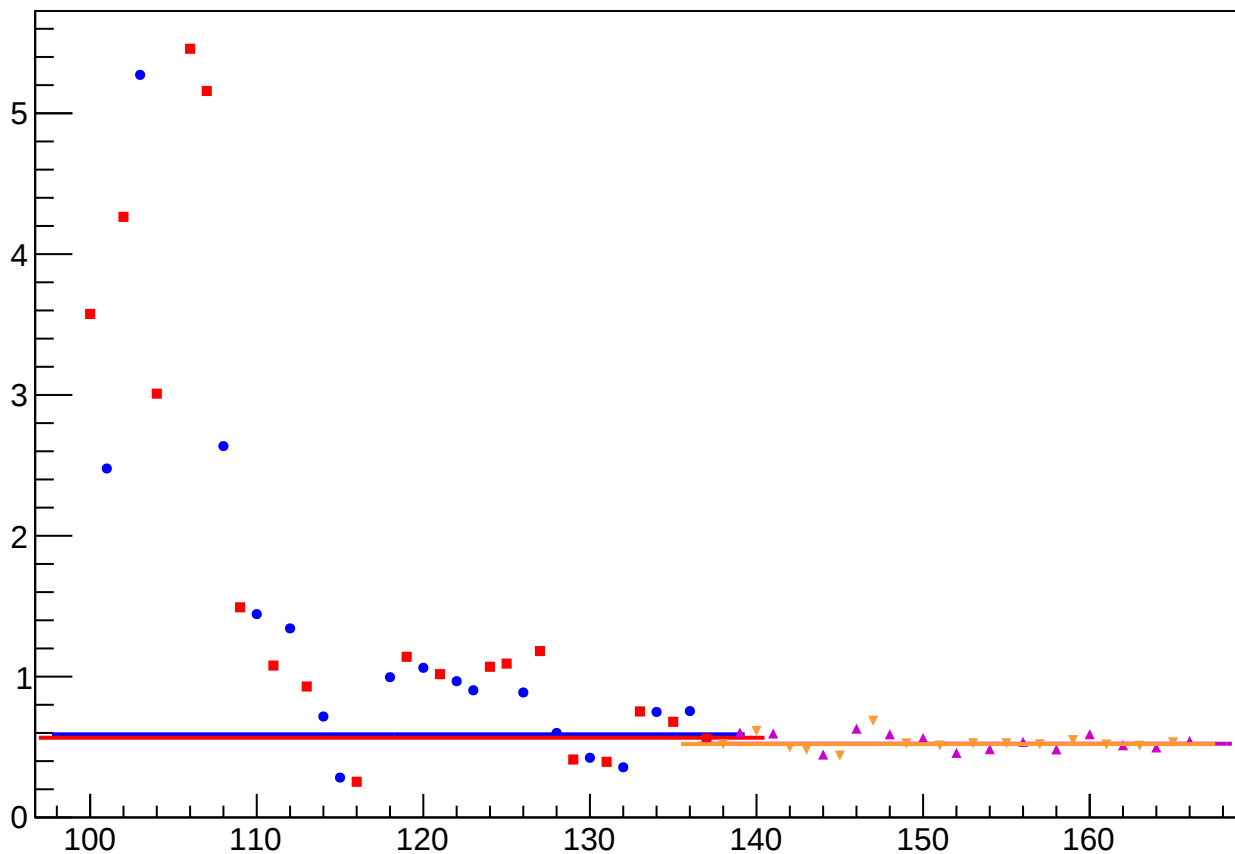
Right: 139.514 $\pm$ 0.000 χ^2 /NDF: 2381261600.7/35

In: 147.294 $\pm$ 0.000 χ^2 /NDF: 1765692533.7/30

Out: 146.701 $\pm$ 0.000 χ^2 /NDF: 2573634308.7/33

All: 146.992 $\pm$ 0.000 χ^2 /NDF: 4347395901.1

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.521 $\pm$ 0.000 χ^2 /NDF:169664.5/14

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

Left In: 0.524 $\pm$ 0.000 χ^2 /NDF:224195.6/13

Left: 0.522 $\pm$ 0.000 χ^2 /NDF: 394116.2/28

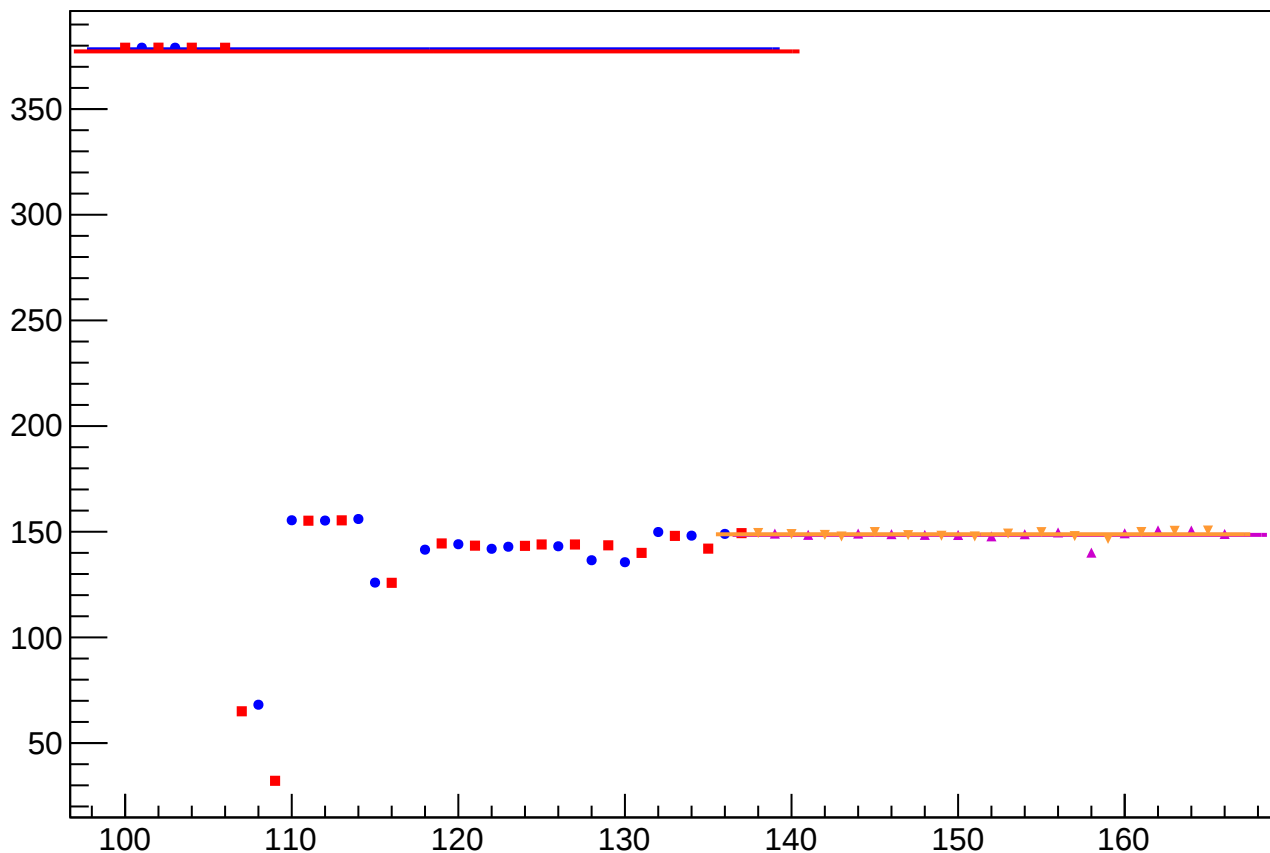
Right: 0.578 $\pm$ 0.000 χ^2 /NDF: 8181648.0/35

In: 0.539 $\pm$ 0.000 χ^2 /NDF:3785759.9/30

Out: 0.531 $\pm$ 0.000 χ^2 /NDF:4886671.7/33

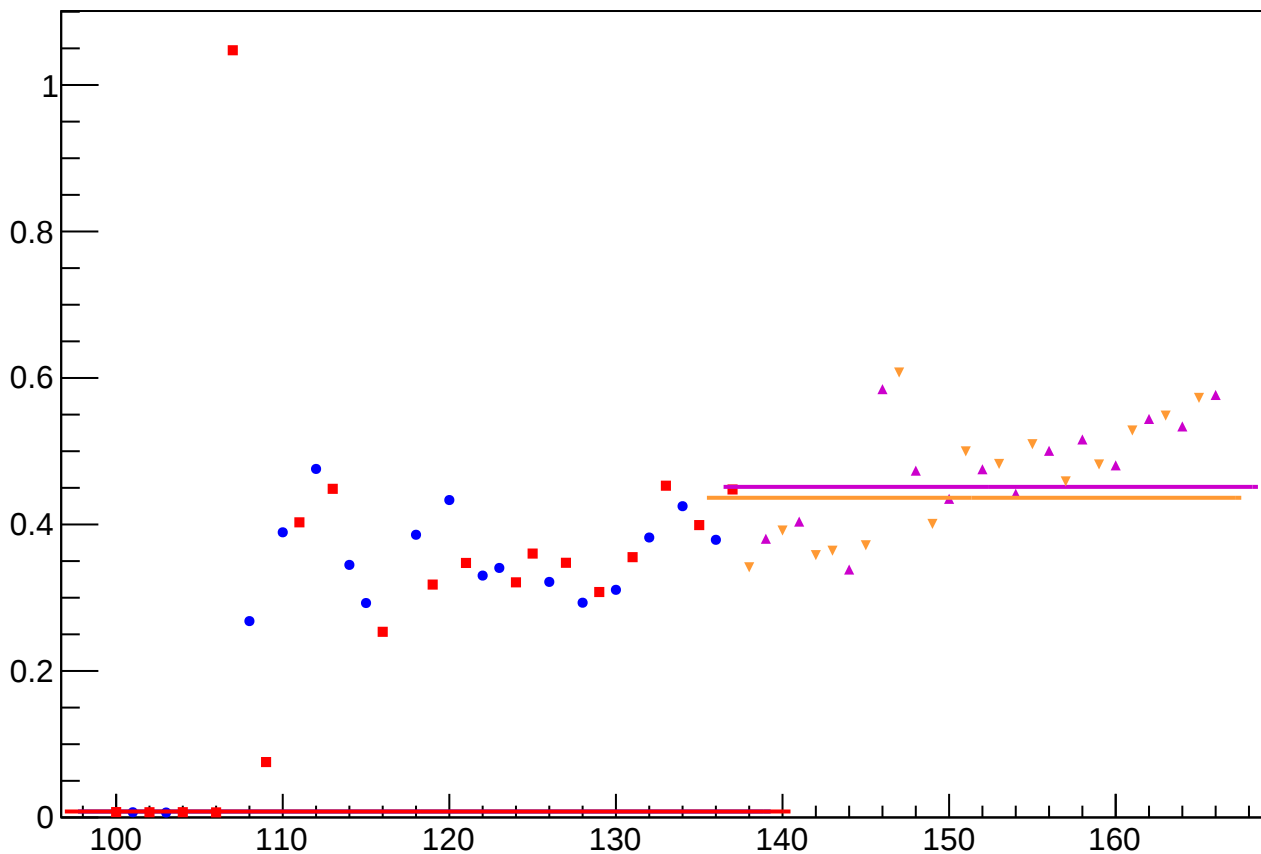
All: 0.535 $\pm$ 0.000 χ^2 /NDF: 8674894.9/64

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000	χ^2/NDF : 2508313421453.8/16	Left: 148.662+/-0.000	χ^2/NDF : 292772161.8/28
Left Out: 148.795+/-0.000	χ^2/NDF : 57486667.1/14	Right: 377.752+/-0.000	χ^2/NDF : 10801647529340.7
Right Out: 377.287+/-0.000	χ^2/NDF : 8286303106836.4/18	In: 377.414+/-0.000	χ^2/NDF : 5167095634152.1/30
Left In: 148.517+/-0.000	χ^2/NDF : 233247656.8/13	Out: 376.466+/-0.000	χ^2/NDF : 11136283756061.7
		All: 376.909+/-0.000	χ^2/NDF : 163097802783.4

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.436+/-0.000 χ^2/NDF : 661339.0/14

Right Out: 0.008+/-0.000 χ^2/NDF : 9522827.2/18

Left In: 0.451+/-0.000 χ^2/NDF : 518680.1/13

Left: 0.444+/-0.000 χ^2/NDF : 1191671.3/28

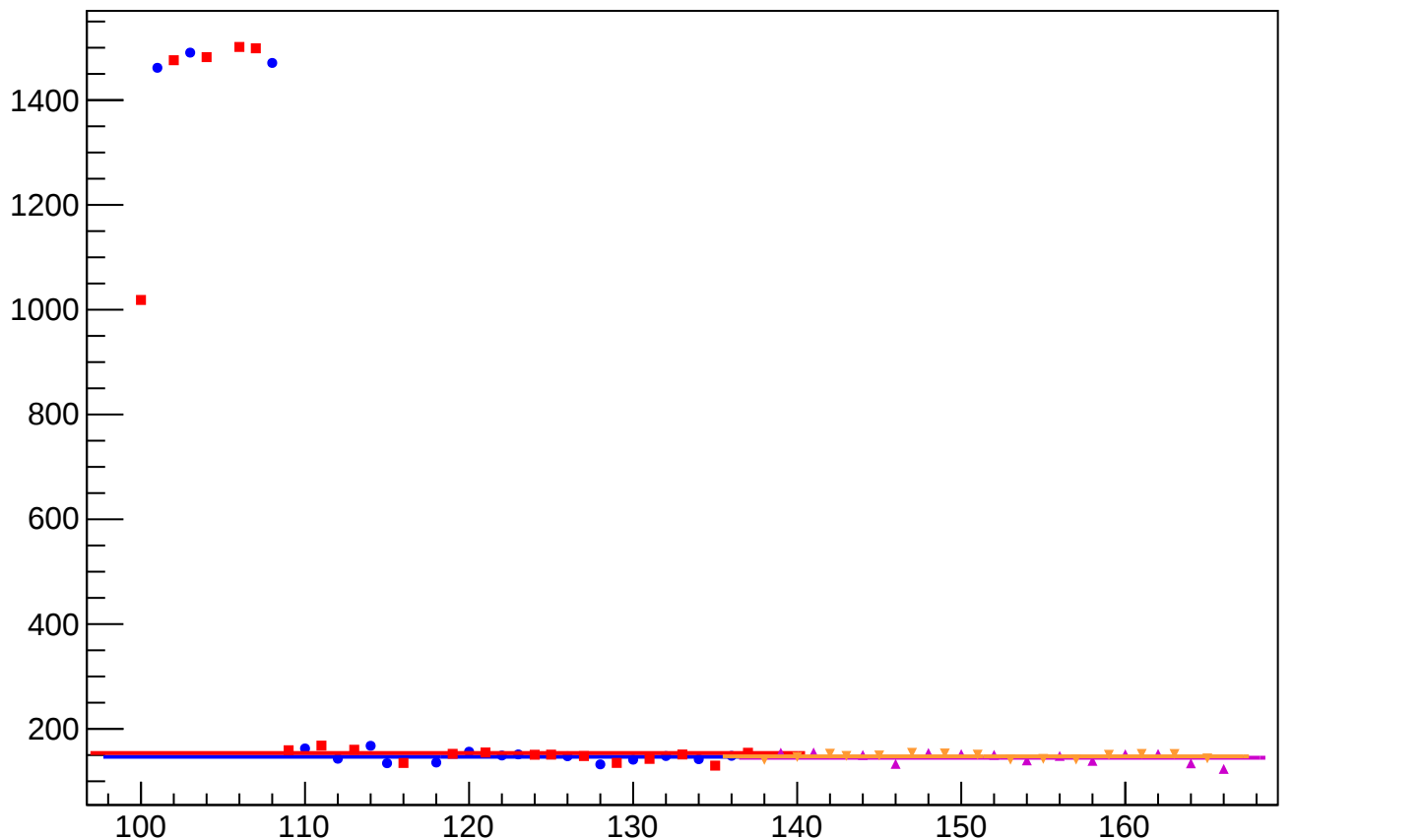
Right: 0.008+/-0.000 χ^2/NDF : 19329555.6/35

In: 0.010+/-0.000 χ^2/NDF : 30109788.7/30

Out: 0.010+/-0.000 χ^2/NDF : 30211116.5/33

All: 0.010+/-0.000 χ^2/NDF : 60321081.2/64

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 147.517+/-0.000 χ^2/NDF : 253909128.5/14

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

Left In: 144.914+/-0.000 χ^2/NDF : 1086904493.4/13

Left: 146.214+/-0.000 χ^2/NDF : 1379600385.8/28

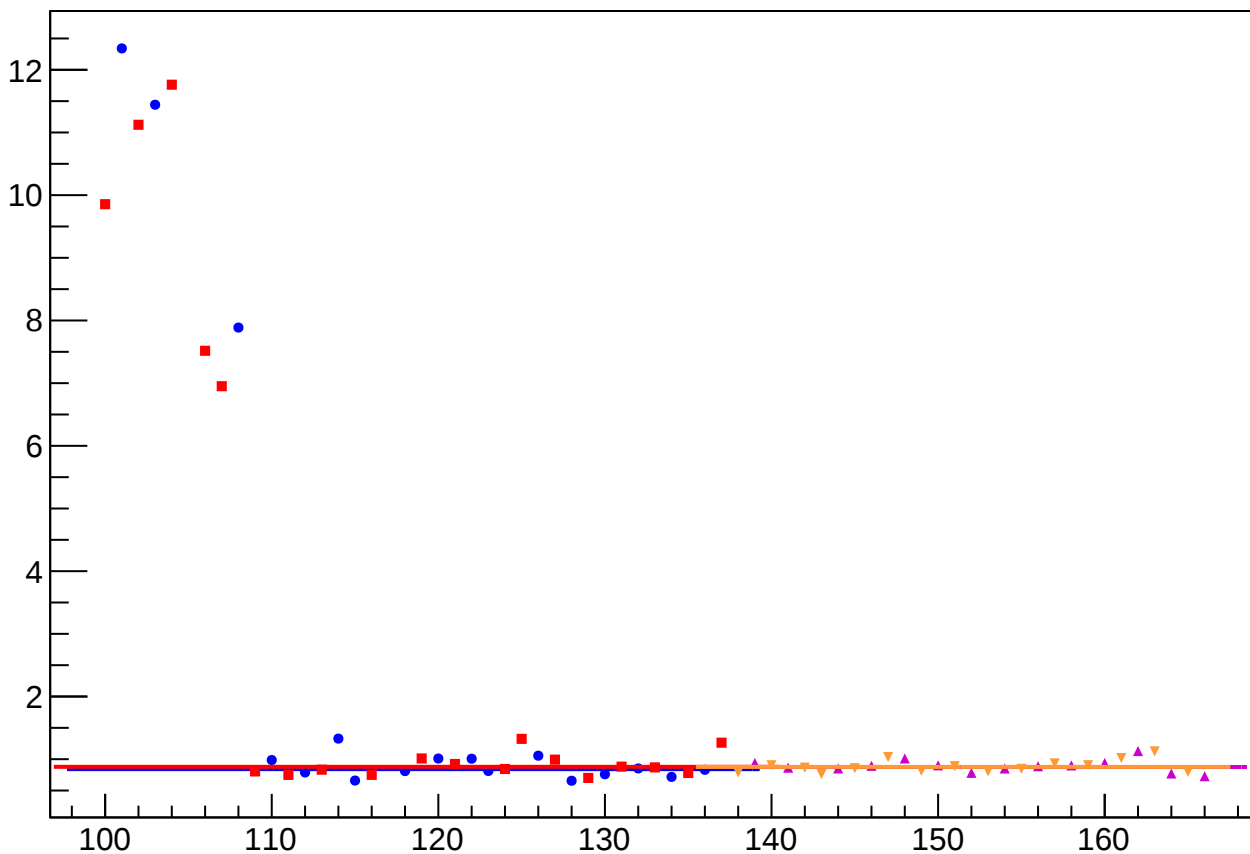
Right: 150.348+/-0.000 χ^2/NDF : 58231390734.2/35

In: 145.518+/-0.000 χ^2/NDF : 25460875198.8/30

Out: 149.535+/-0.000 χ^2/NDF : 34138886865.3/33

All: 147.523+/-0.000 χ^2/NDF : 59734944259.

yield_bcm0l02_rms vs Slug, Sign Corrected



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: 0.876+/-0.000 χ^2/NDF :187485.8/13

Left: 0.876+/-0.000 χ^2/NDF : 382011.0/28

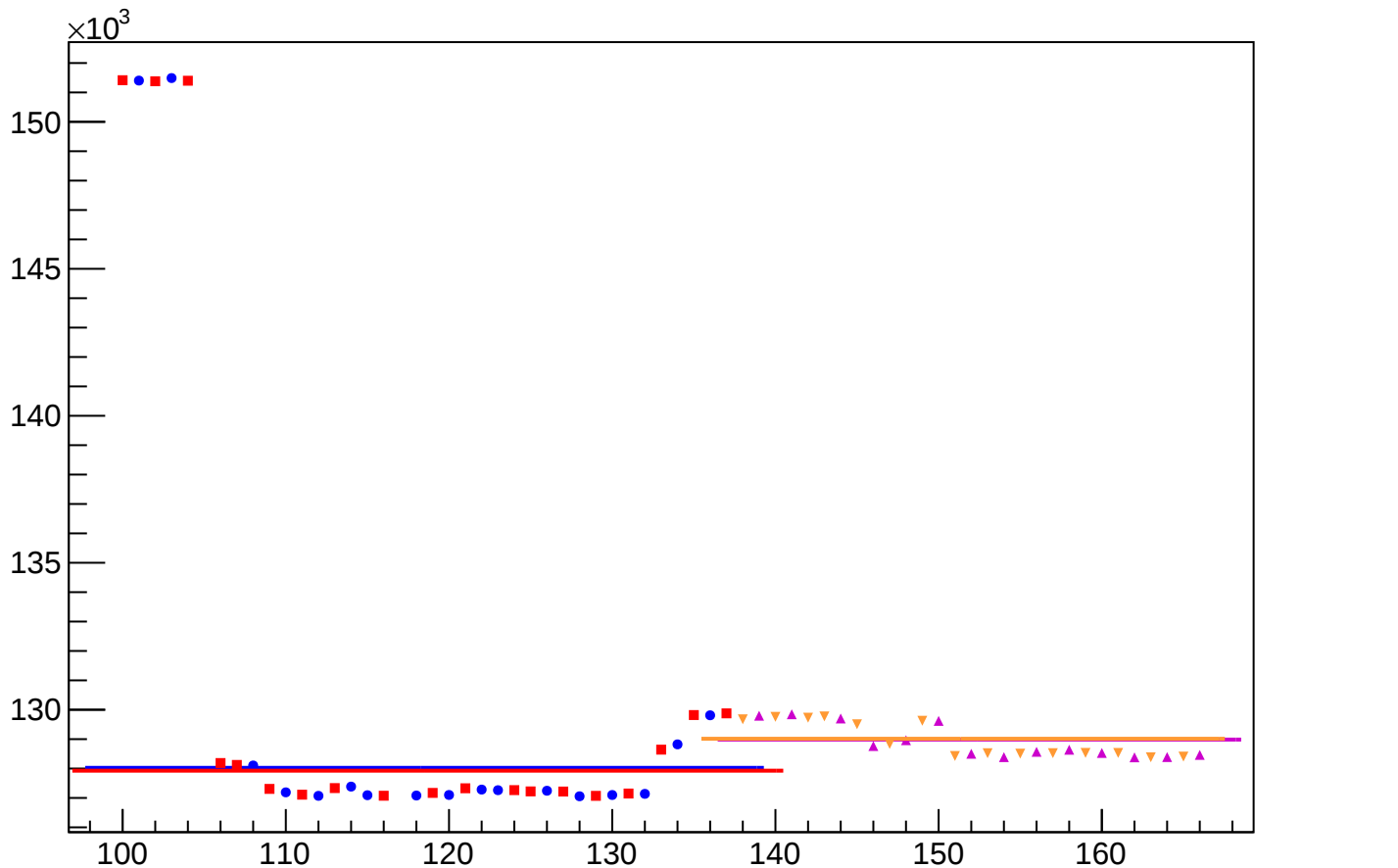
Right: 0.860+/-0.000 χ^2/NDF : 5484331.4/35

In: 0.865+/-0.000 χ^2/NDF :2858456.0/30

Out: 0.877+/-0.000 χ^2/NDF :3009138.2/33

All: 0.871+/-0.000 χ^2/NDF : 5870334.8/64

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129012.804 $\pm$ 0.054 χ^2 /NDF: 114781589.8/14

Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18

Left In: 128985.222 $\pm$ 0.056 χ^2 /NDF: 104444164.4/13

Left: 128999.493 $\pm$ 0.039 χ^2 /NDF: 219351462.5/28

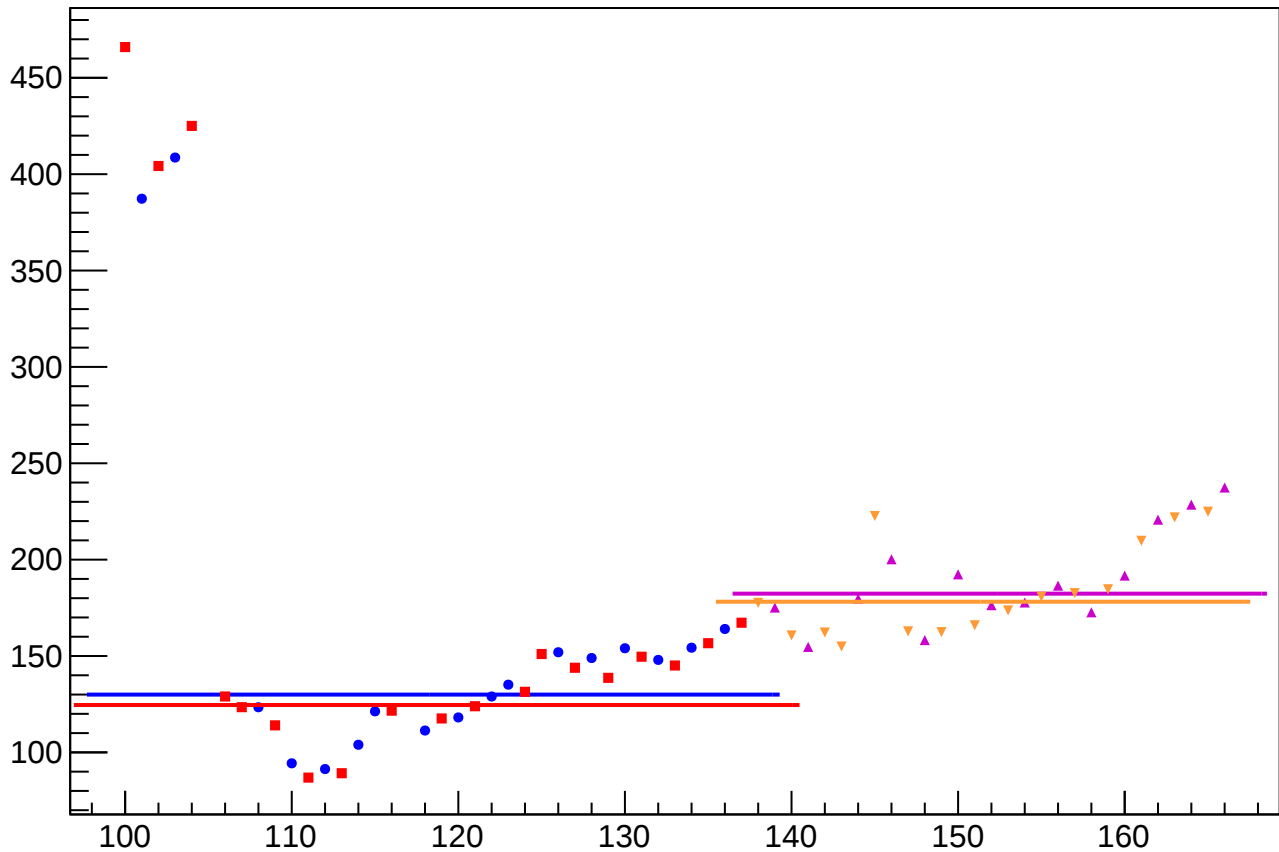
Right: 127971.691 $\pm$ 0.037 χ^2 /NDF: 8085261759.1/16

In: 128492.018 $\pm$ 0.039 χ^2 /NDF: 4572457442.0/30

Out: 128432.041 $\pm$ 0.037 χ^2 /NDF: 4097646505.3/30

All: 128460.286 $\pm$ 0.027 χ^2 /NDF: 867135163.0/64

yield_bpm2i01WS_rms vs Slug, Sign Corrected



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: 182.354 $\pm$ 0.040 χ^2/NDF : 275804.4/13

Left: 180.184 $\pm$ 0.027 χ^2/NDF : 588945.1/28

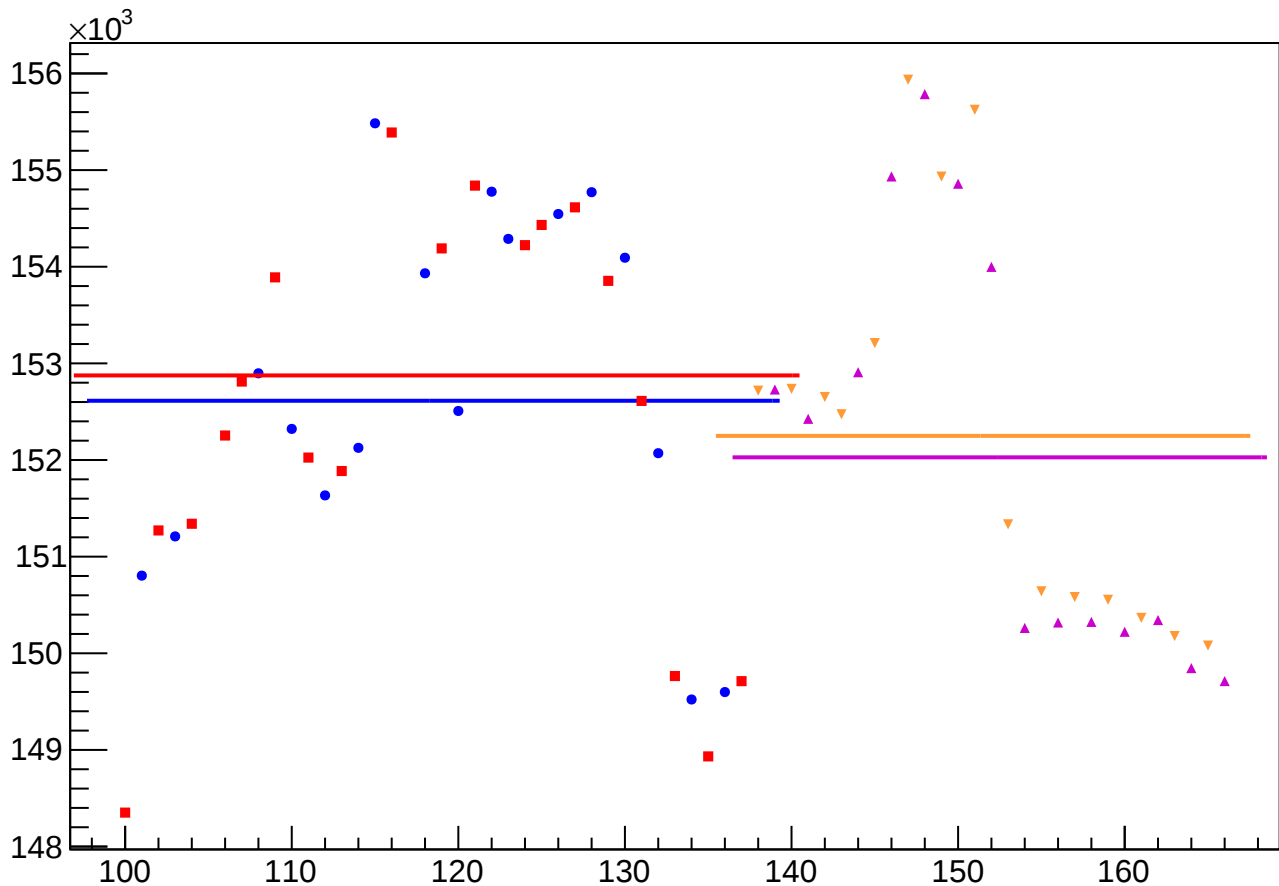
Right: 127.058 $\pm$ 0.026 χ^2/NDF : 3027426.7/35

In: 155.494 $\pm$ 0.028 χ^2/NDF : 2659852.7/30

Out: 149.482 $\pm$ 0.026 χ^2/NDF : 2891111.5/33

All: 152.313 $\pm$ 0.019 χ^2/NDF : 5576036.0/64

yield_bpm0i07WS_mean vs Slug, Sign Corrected



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: 152027.595 $\pm$ 0.061 χ^2 /NDF: 1003198797.8/13

Left: 152140.919 $\pm$ 0.042 χ^2 /NDF: 1924019618.3/2

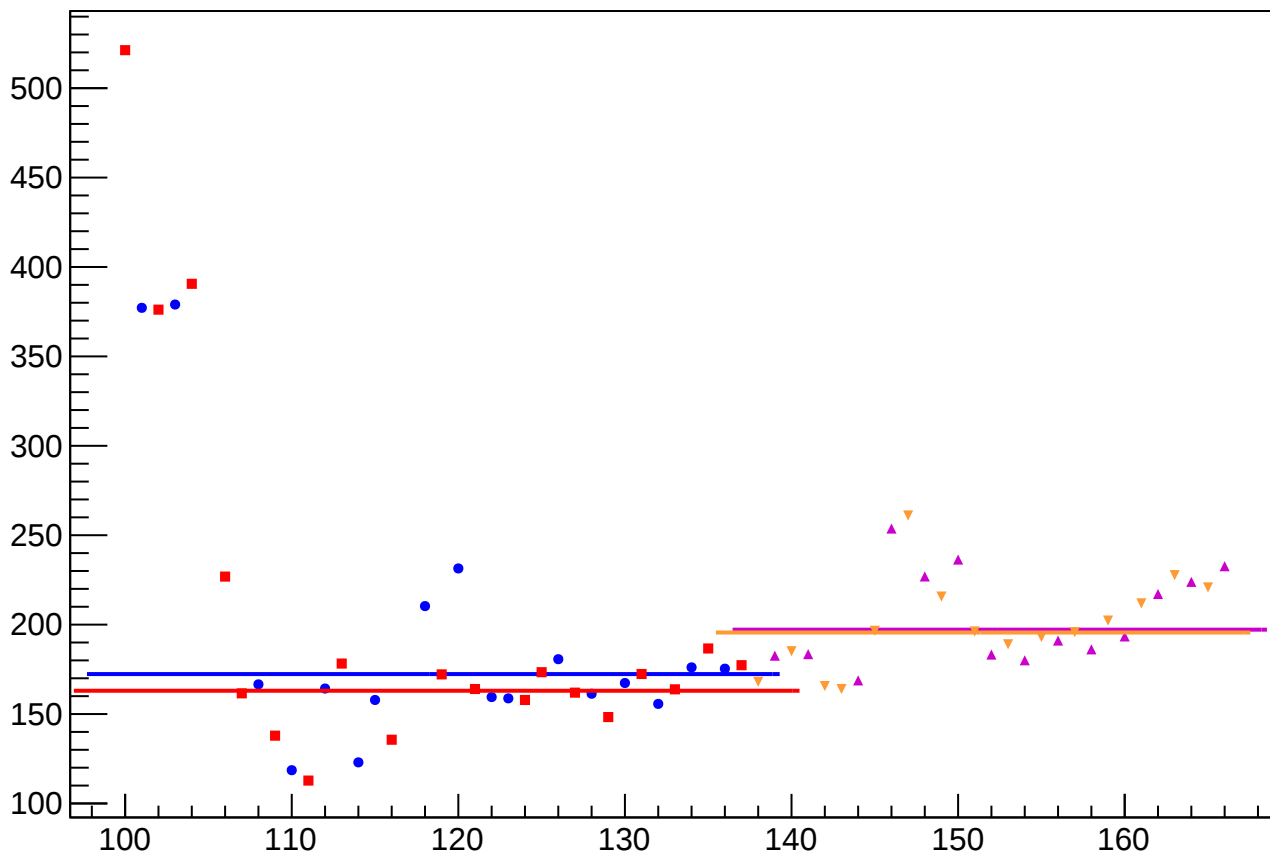
Right: 152755.689 $\pm$ 0.049 χ^2 /NDF: 1346872378.3/2

In: 152269.790 $\pm$ 0.046 χ^2 /NDF: 1665048532.7/30

Out: 152529.335 $\pm$ 0.044 χ^2 /NDF: 1679729498.6/30

All: 152405.928 $\pm$ 0.032 χ^2 /NDF: 336113483.0/62

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 195.592+/-0.042 χ^2/NDF : 290434.5/14

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

Left In: 197.189+/-0.043 χ^2/NDF : 305227.5/13

Left: 196.374+/-0.030 χ^2/NDF : 596368.1/28

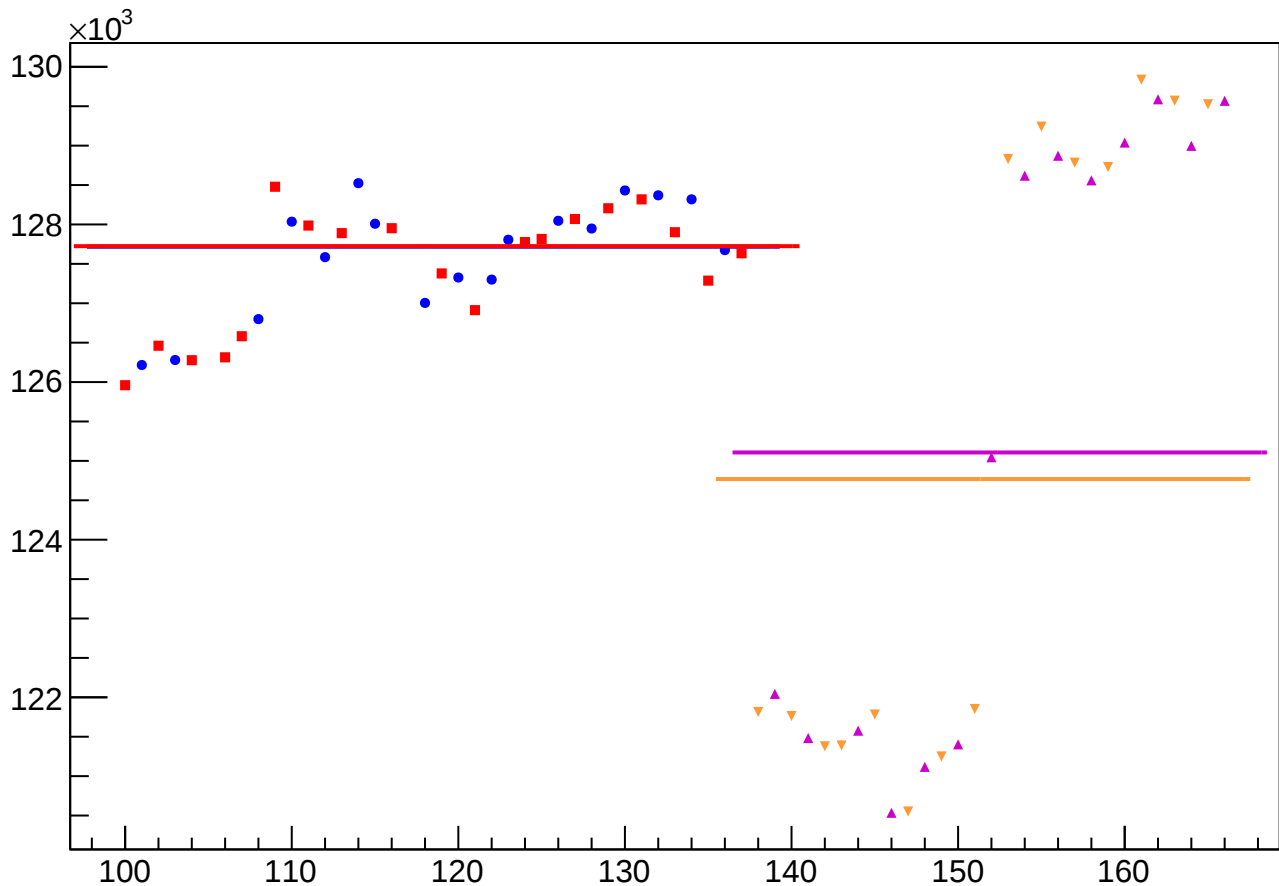
Right: 167.282+/-0.035 χ^2/NDF : 1972741.3/35

In: 186.915+/-0.033 χ^2/NDF : 1365670.2/30

Out: 181.041+/-0.031 χ^2/NDF : 1590848.5/33

All: 183.834+/-0.023 χ^2/NDF : 2973277.4/64

yield_bpm0l01WS_mean vs Slug, Sign Corrected



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: 125106.934 $\pm$ 0.052 χ^2 /NDF: 4777788818.2/13

Left: 124940.000 $\pm$ 0.037 χ^2 /NDF: 9994116596.8/2

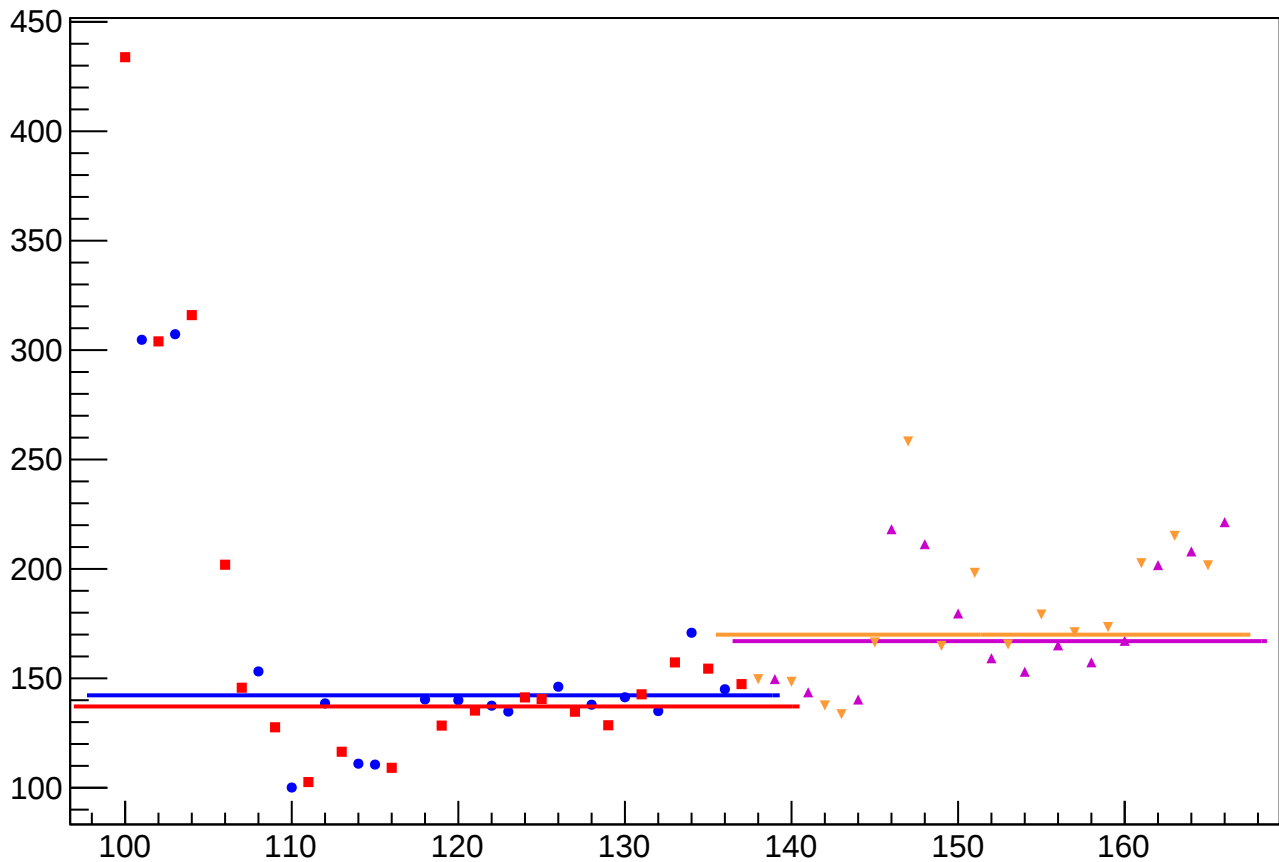
Right: 127721.424 $\pm$ 0.040 χ^2 /NDF: 207735167.4/3

In: 126259.567 $\pm$ 0.039 χ^2 /NDF: 5993811549.0/30

Out: 126186.585 $\pm$ 0.038 χ^2 /NDF: 6836611910.6/3

All: 126222.149 $\pm$ 0.027 χ^2 /NDF: 128322443

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 169.967 $\pm$ 0.037 χ^2 /NDF: 557700.6/14

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

Left In: 167.002 $\pm$ 0.037 χ^2 /NDF: 465334.3/13

Left: 168.470 $\pm$ 0.026 χ^2 /NDF: 1026276.3/28

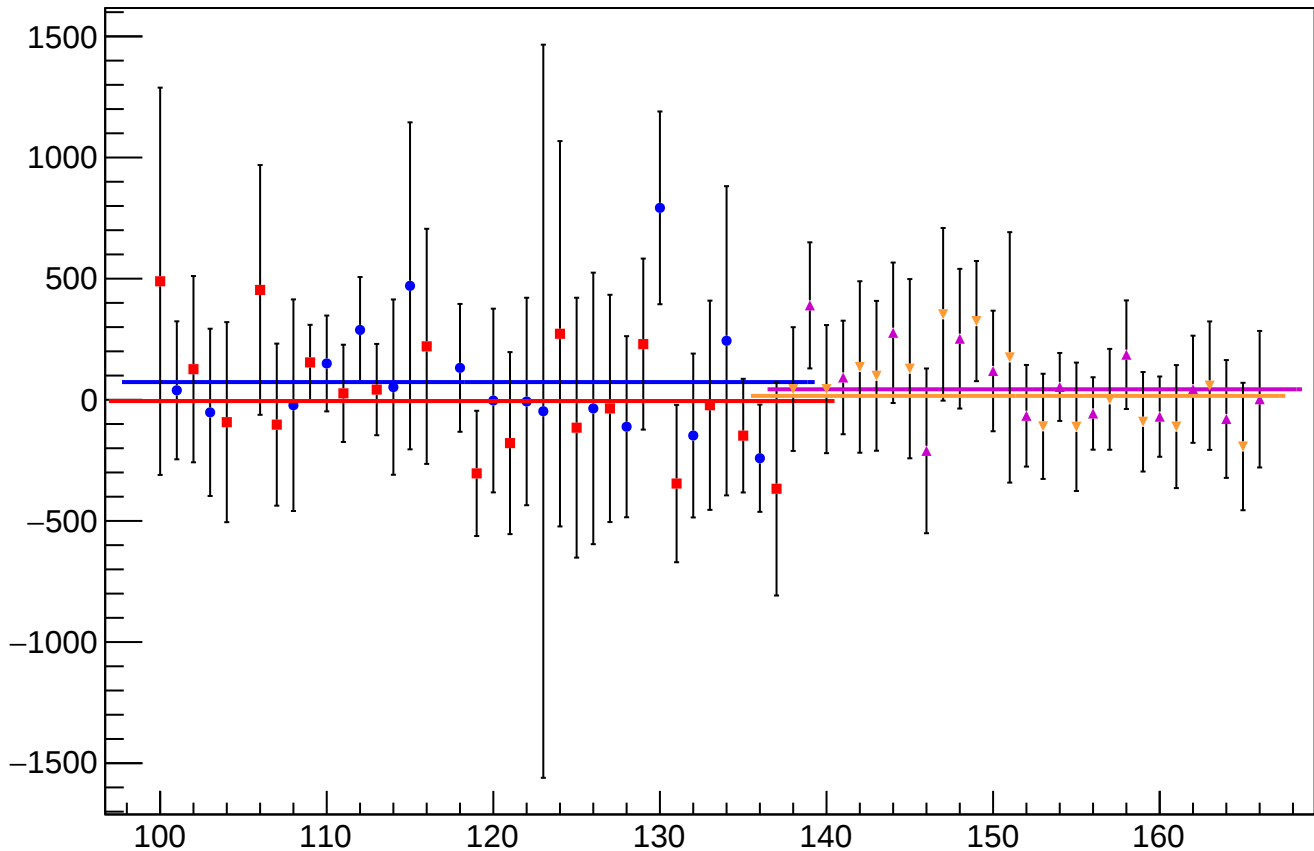
Right: 139.526 $\pm$ 0.028 χ^2 /NDF: 1802277.5/35

In: 156.071 $\pm$ 0.027 χ^2 /NDF: 1503374.6/30

Out: 154.231 $\pm$ 0.027 χ^2 /NDF: 1892536.4/33

All: 155.128 $\pm$ 0.019 χ^2 /NDF: 3398224.1/64

asym_bcm_an_ds_mean vs Slug, Sign Corrected



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: 43.347+/-57.136 χ^2/NDF : 5.5/13

Left: 32.288+/-44.021 χ^2/NDF : 10.2/28

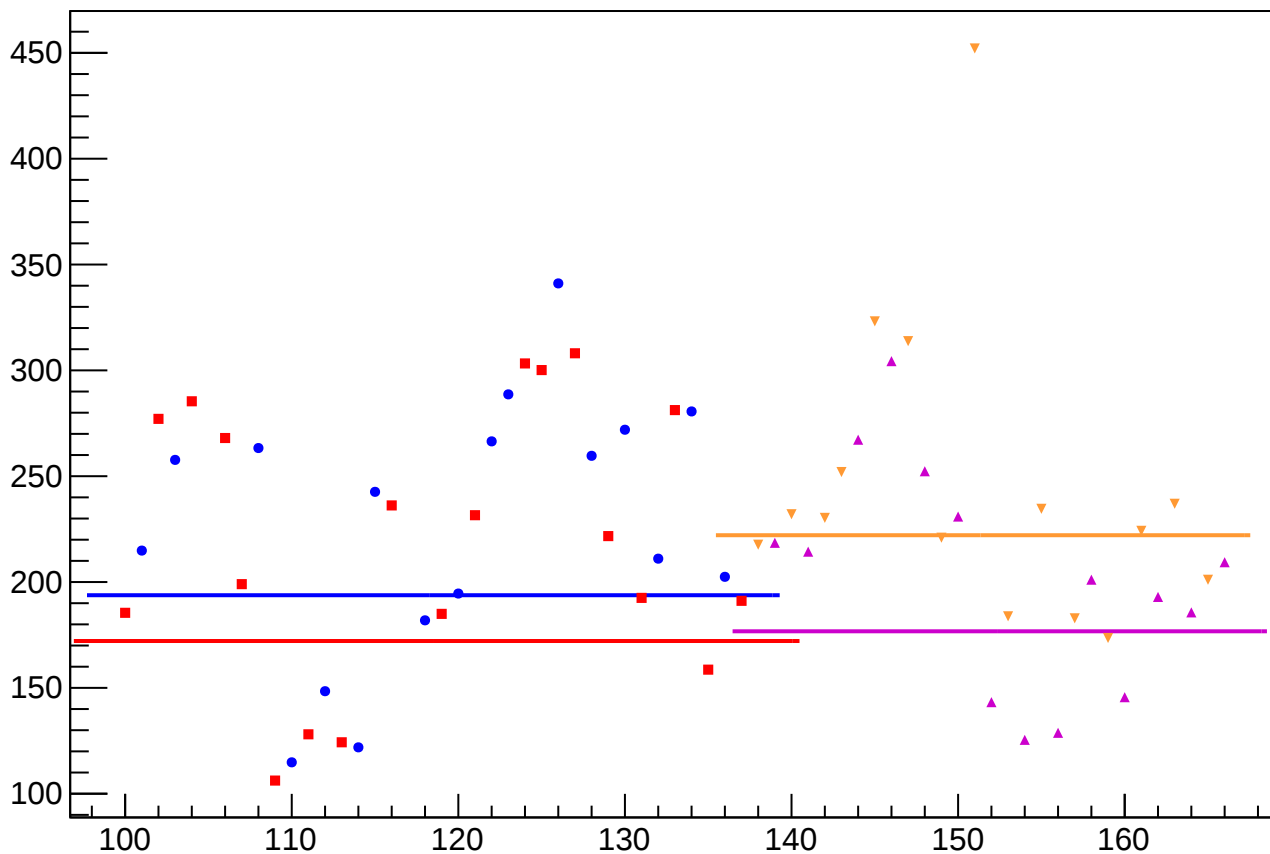
Right: 29.103+/-52.608 χ^2/NDF : 15.5/35

In: 53.466+/-46.417 χ^2/NDF : 13.5/30

Out: 5.714+/-49.194 χ^2/NDF : 11.7/33

All: 30.976+/-33.761 χ^2/NDF : 25.7/64

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 222.119+/-0.049 χ^2/NDF : 969571.8/14

Right Out: 172.142+/-0.050 χ^2/NDF : 1580035.1/18

Left In: 176.729+/-0.040 χ^2/NDF : 1471163.1/13

Left: 195.174+/-0.031 χ^2/NDF : 2953668.5/28

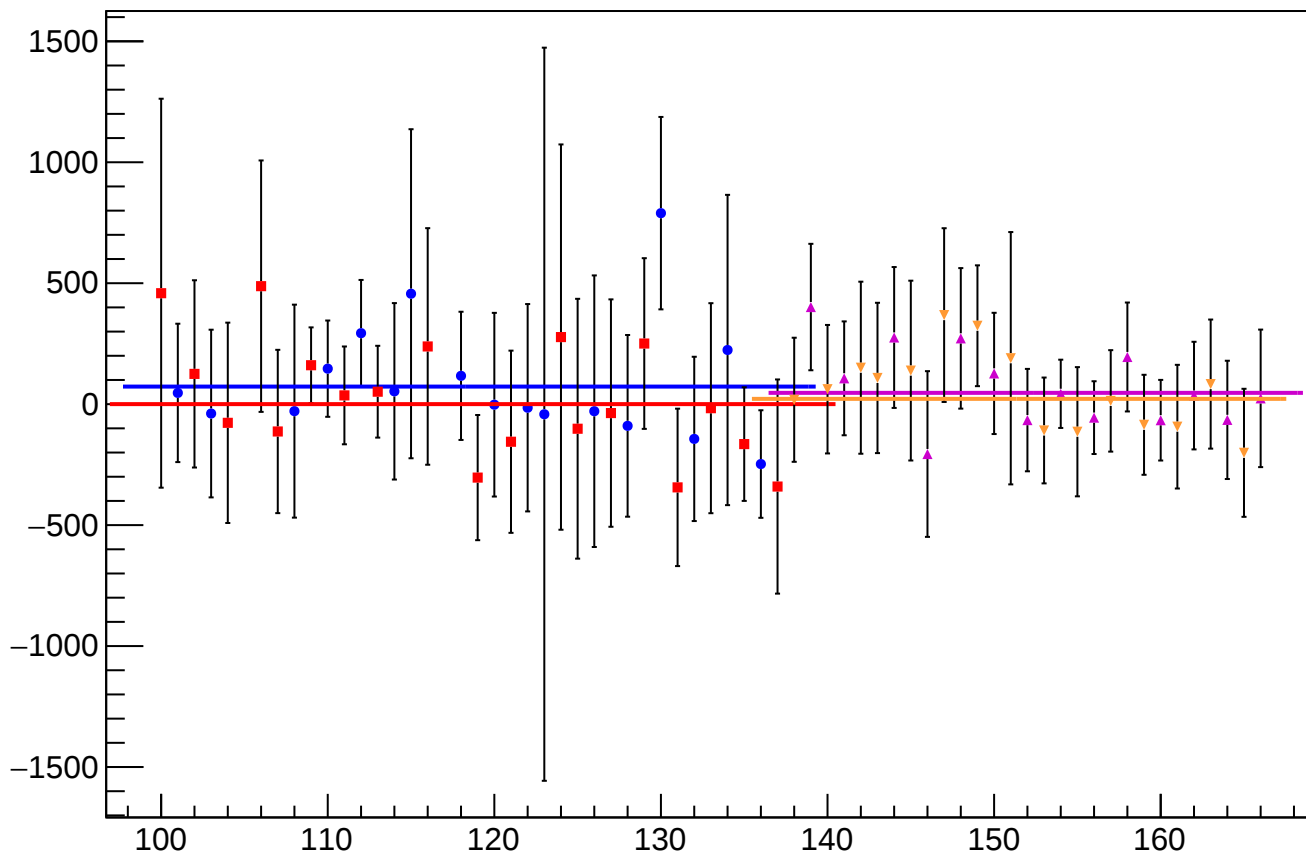
Right: 181.589+/-0.037 χ^2/NDF : 2680292.0/35

In: 182.524+/-0.033 χ^2/NDF : 2548754.0/30

Out: 197.505+/-0.035 χ^2/NDF : 3065527.9/33

All: 189.580+/-0.024 χ^2/NDF : 5712402.3/64

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



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: 46.751+/-57.487 χ^2/NDF : 5.6/13

Left: 36.654+/-44.296 χ^2/NDF : 10.4/28

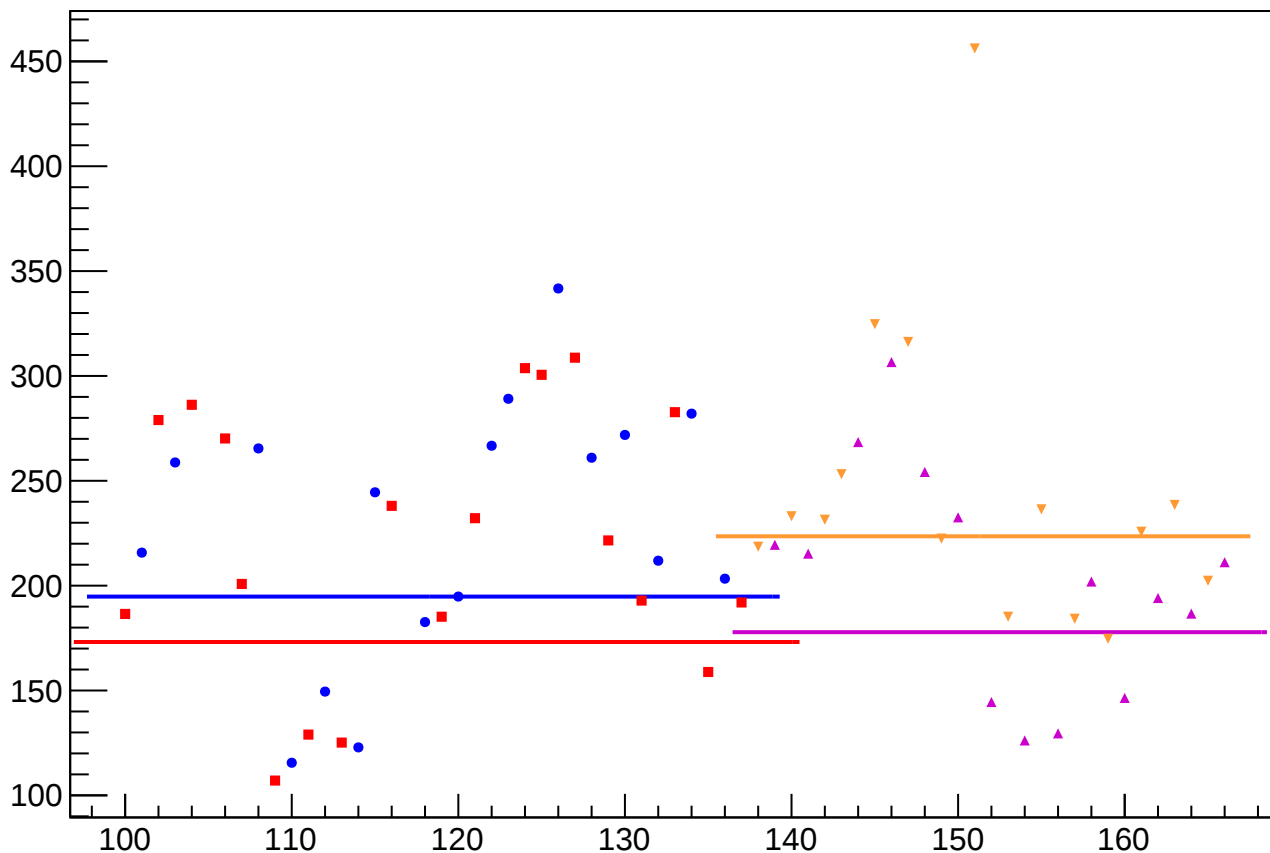
Right: 31.857+/-52.876 χ^2/NDF : 15.5/35

In: 55.580+/-46.682 χ^2/NDF : 13.5/30

Out: 11.189+/-49.481 χ^2/NDF : 12.0/33

All: 34.676+/-33.956 χ^2/NDF : 25.9/64

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



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: 177.812 $\pm$ 0.041 χ^2 /NDF: 1469801.0/13

Left: 196.387 $\pm$ 0.031 χ^2 /NDF: 2952958.6/28

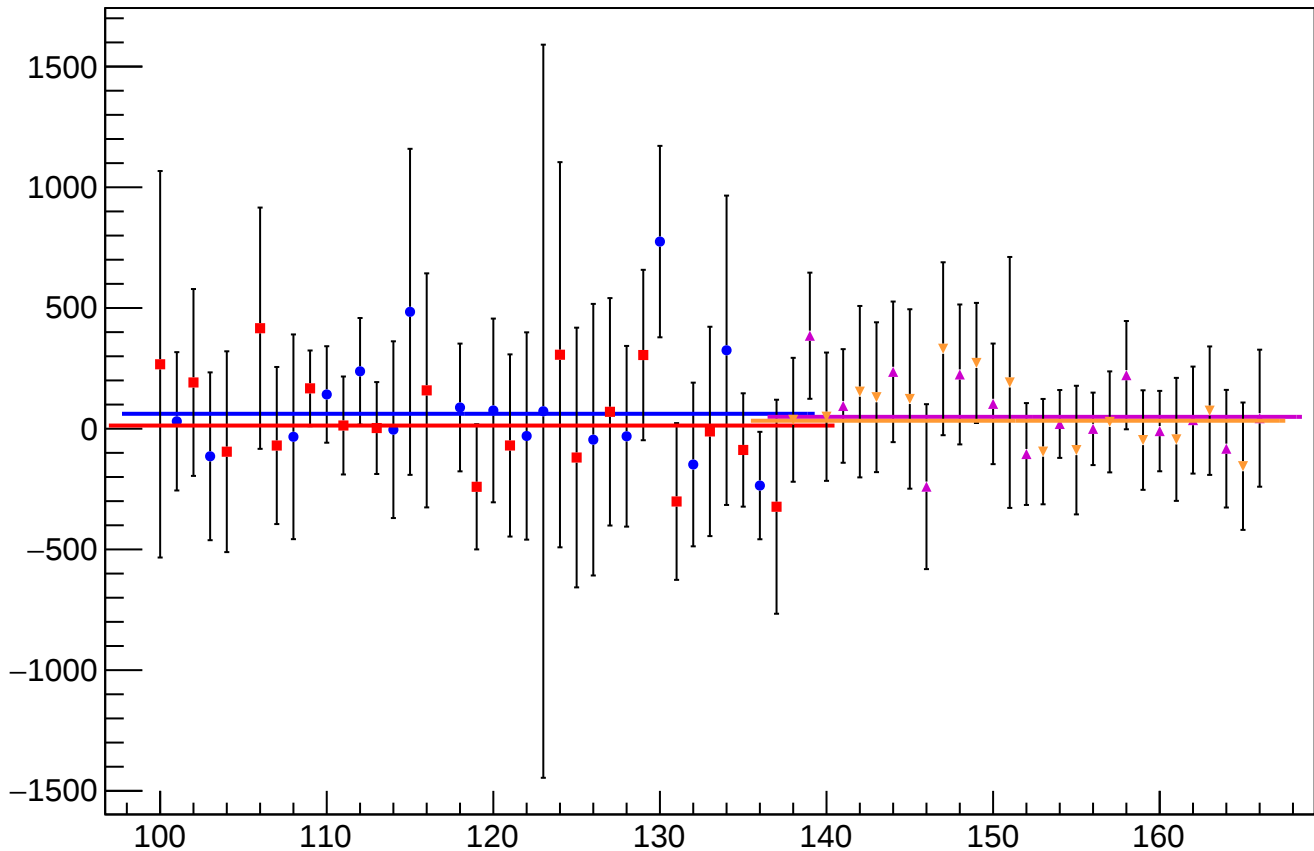
Right: 182.592 $\pm$ 0.037 χ^2 /NDF: 2658346.9/35

In: 183.592 $\pm$ 0.033 χ^2 /NDF: 2537451.7/30

Out: 198.682 $\pm$ 0.035 χ^2 /NDF: 3055432.2/33

All: 190.698 $\pm$ 0.024 χ^2 /NDF: 5691306.5/64

asym_bcm_an_us_mean vs Slug, Sign Corrected



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: 49.145 $\pm$ 57.346 χ^2 /NDF: 4.9/13

Left: 42.599 $\pm$ 44.192 χ^2 /NDF: 8.3/28

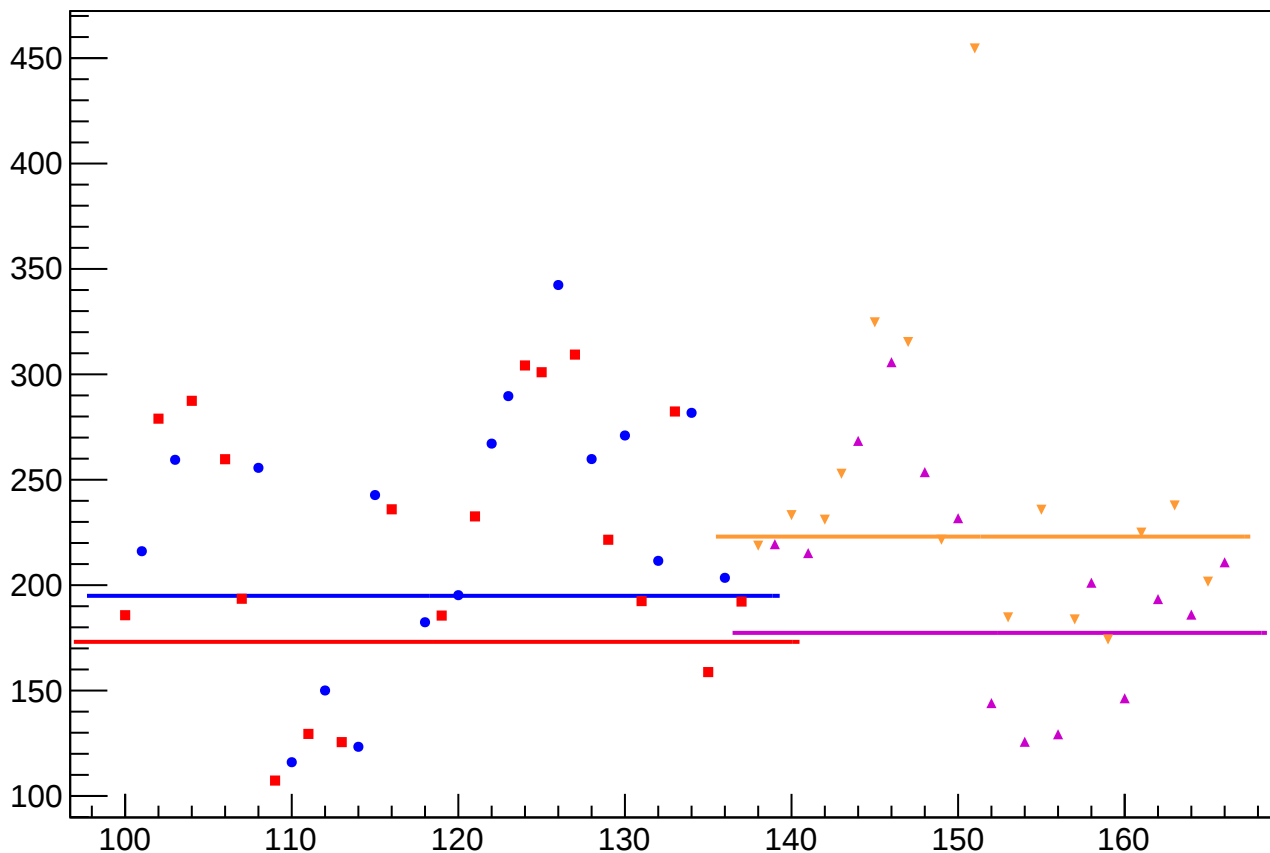
Right: 34.362 $\pm$ 52.842 χ^2 /NDF: 13.2/35

In: 53.446 $\pm$ 46.606 χ^2 /NDF: 12.2/30

Out: 23.214 $\pm$ 49.399 χ^2 /NDF: 9.1/33

All: 39.209 $\pm$ 33.900 χ^2 /NDF: 21.5/64

asym_bcm_an_us_rms vs Slug, Sign Corrected



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: 177.364 $\pm$ 0.041 χ^2 /NDF: 1473410.1/13

Left: 195.911 $\pm$ 0.031 χ^2 /NDF: 2959367.2/28

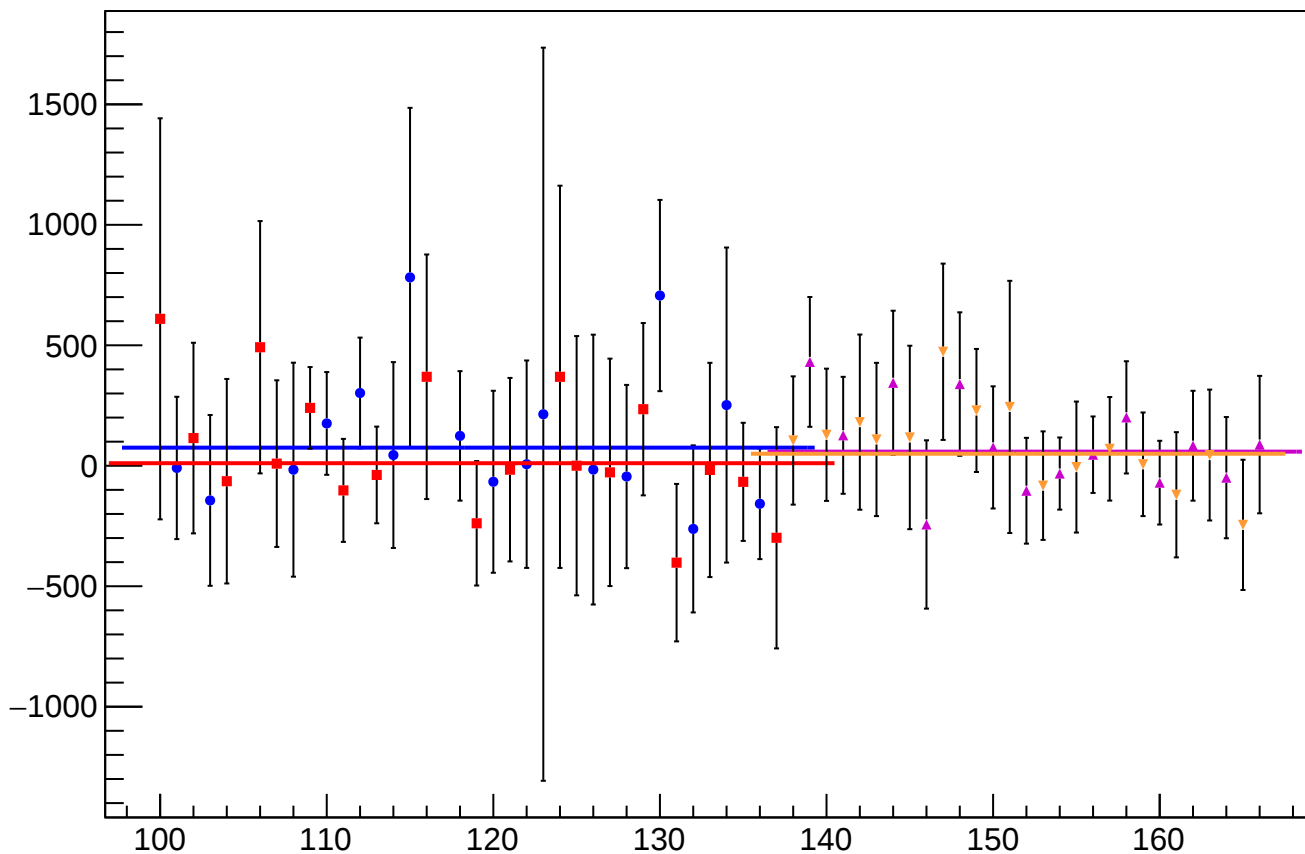
Right: 182.637 $\pm$ 0.037 χ^2 /NDF: 2615306.2/35

In: 183.331 $\pm$ 0.033 χ^2 /NDF: 2523814.6/30

Out: 198.444 $\pm$ 0.035 χ^2 /NDF: 3026089.9/33

All: 190.448 $\pm$ 0.024 χ^2 /NDF: 5648942.1/64

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 49.874 $\pm$ 71.285 χ^2 /NDF:4.4/14

Right Out: 10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

Left In: 58.607 $\pm$ 59.665 χ^2 /NDF:6.6/13

Left: 55.009 $\pm$ 45.754 χ^2 /NDF: 11.0/28

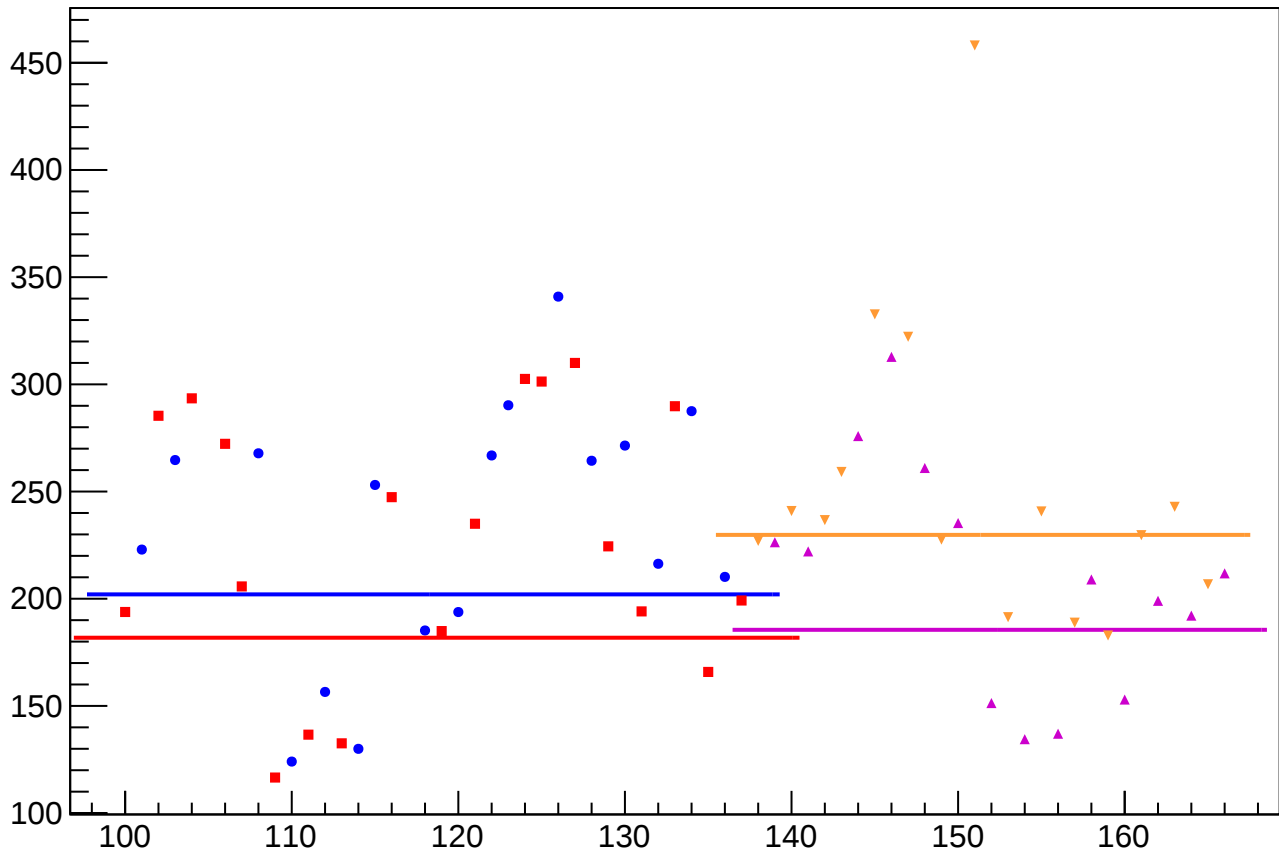
Right: 39.157 $\pm$ 54.813 χ^2 /NDF: 15.8/35

In: 64.307 $\pm$ 48.347 χ^2 /NDF:14.2/30

Out: 30.830 $\pm$ 51.116 χ^2 /NDF:12.3/33

All: 48.500 $\pm$ 35.125 χ^2 /NDF: 26.8/64

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 ± 0.058 $\chi^2/\text{NDF}: 881608.7/16$

Left Out: 229.781 ± 0.050 $\chi^2/\text{NDF}: 924100.7/14$

Right Out: 181.811 ± 0.052 $\chi^2/\text{NDF}: 1377537.2/18$

Left In: 185.500 ± 0.042 $\chi^2/\text{NDF}: 1328423.5/13$

Left: 203.742 ± 0.032 $\chi^2/\text{NDF}: 2706336.3/28$

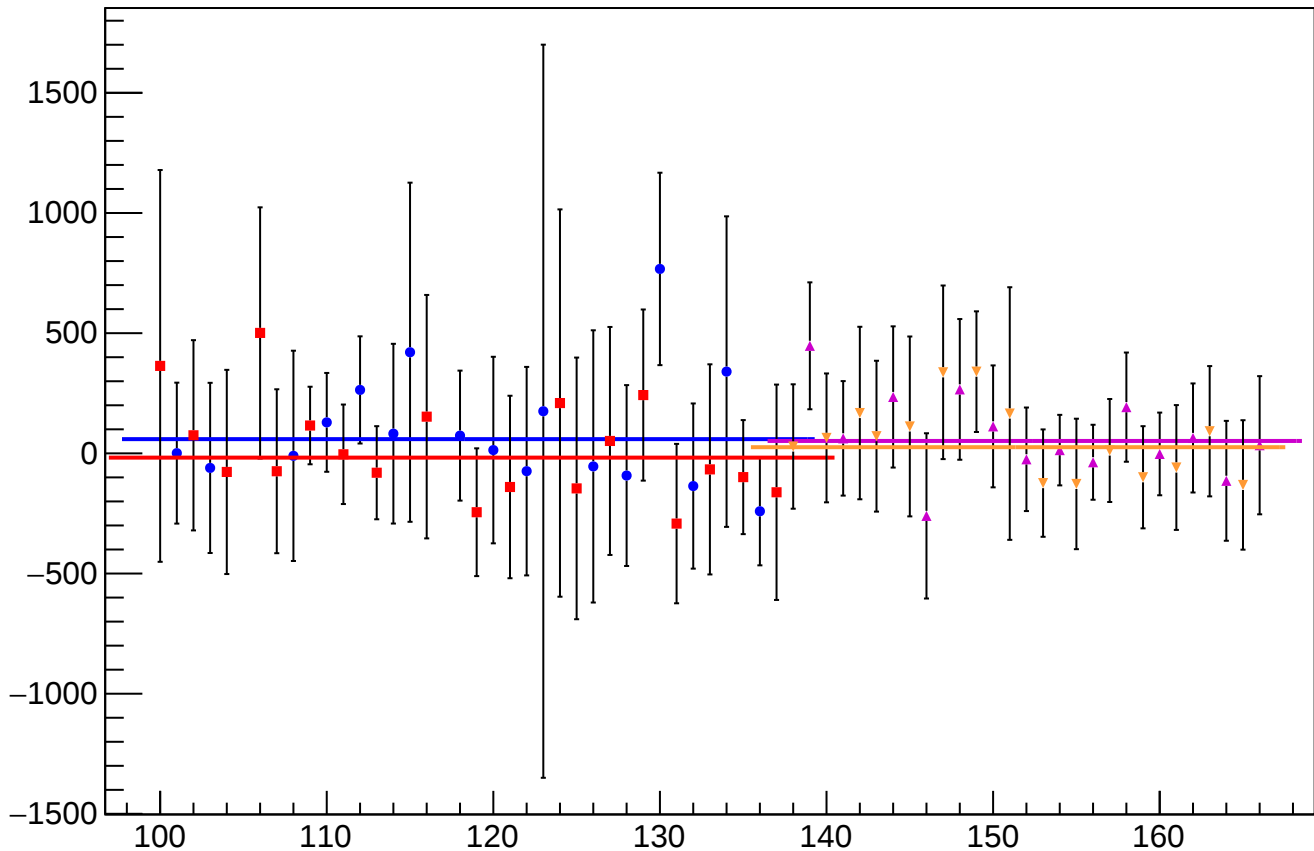
Right: 190.735 ± 0.039 $\chi^2/\text{NDF}: 2326235.8/35$

In: 191.176 ± 0.034 $\chi^2/\text{NDF}: 2262740.0/30$

Out: 206.477 ± 0.036 $\chi^2/\text{NDF}: 2741619.8/33$

All: 198.401 ± 0.025 $\chi^2/\text{NDF}: 5098945.9/64$

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



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: 51.604 $\pm$ 58.807 χ^2 /NDF:5.5/13

Left: 40.959 $\pm$ 45.175 χ^2 /NDF: 9.8/28

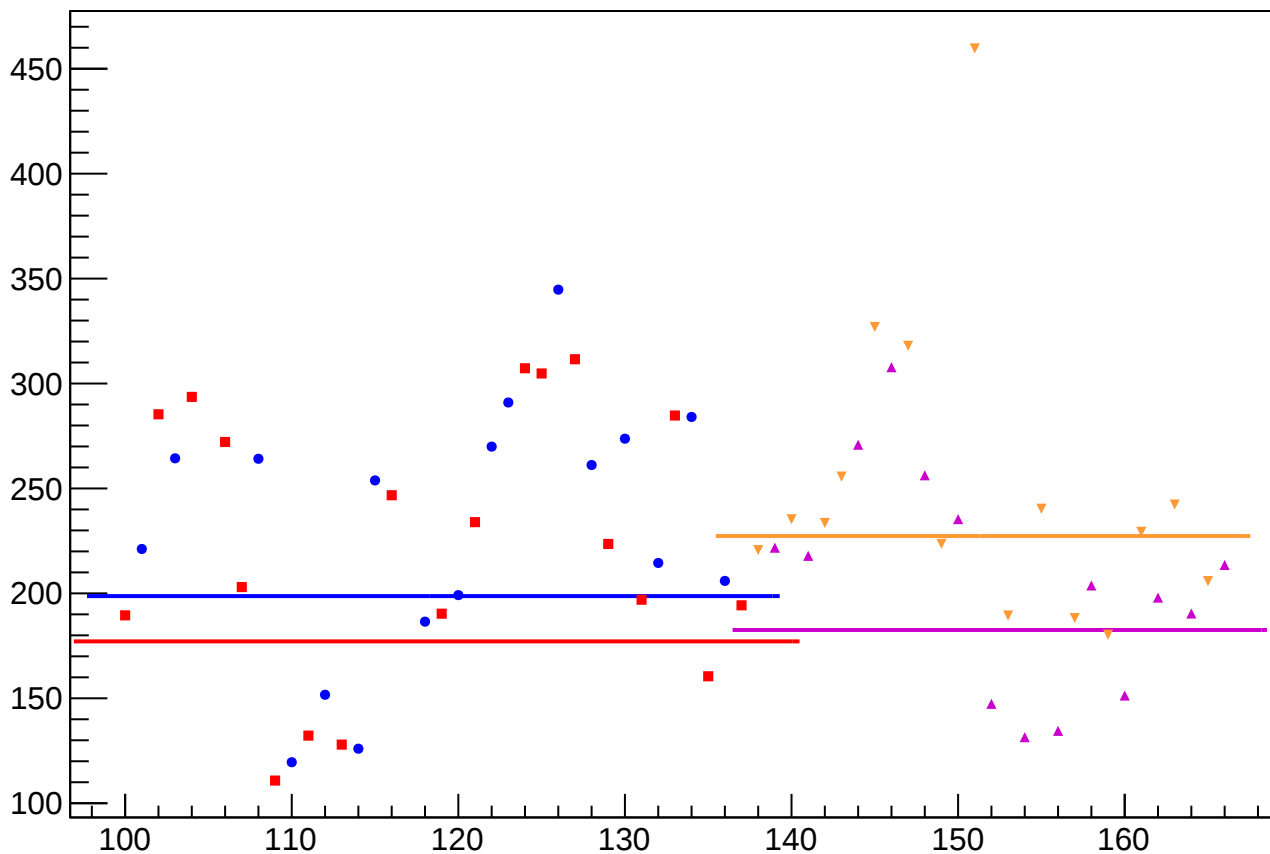
Right: 15.968 $\pm$ 53.893 χ^2 /NDF: 12.3/35

In: 54.200 $\pm$ 47.672 χ^2 /NDF:12.6/30

Out: 4.360 $\pm$ 50.361 χ^2 /NDF:9.1/33

All: 30.646 $\pm$ 34.621 χ^2 /NDF: 22.3/64

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704+/-0.058 χ^2/NDF : 963394.4/16

Left Out: 227.319+/-0.050 χ^2/NDF : 924637.4/14

Right Out: 177.125+/-0.051 χ^2/NDF : 1524889.9/18

Left In: 182.557+/-0.042 χ^2/NDF : 1351304.8/13

Left: 200.905+/-0.032 χ^2/NDF : 2750891.5/28

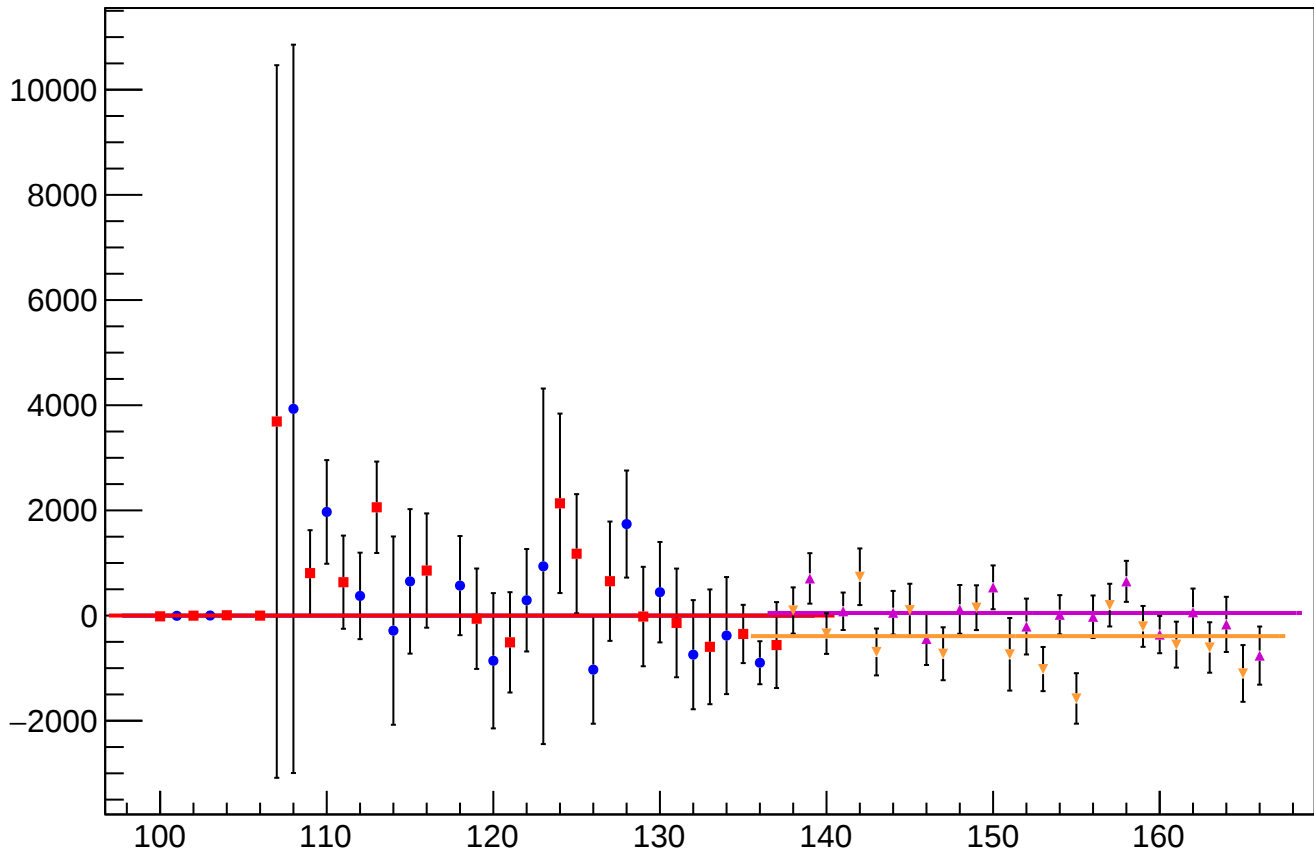
Right: 186.580+/-0.038 χ^2/NDF : 2567217.8/35

In: 188.093+/-0.034 χ^2/NDF : 2366390.0/30

Out: 202.694+/-0.036 χ^2/NDF : 2946046.6/33

All: 194.993+/-0.024 χ^2/NDF : 5401098.1/64

asym_cav4bQ_mean vs Slug, Sign Corrected



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: 48.667 ± 114.923 χ^2/NDF : 10.6/13

Left: -164.989 ± 82.395 χ^2/NDF : 39.8/28

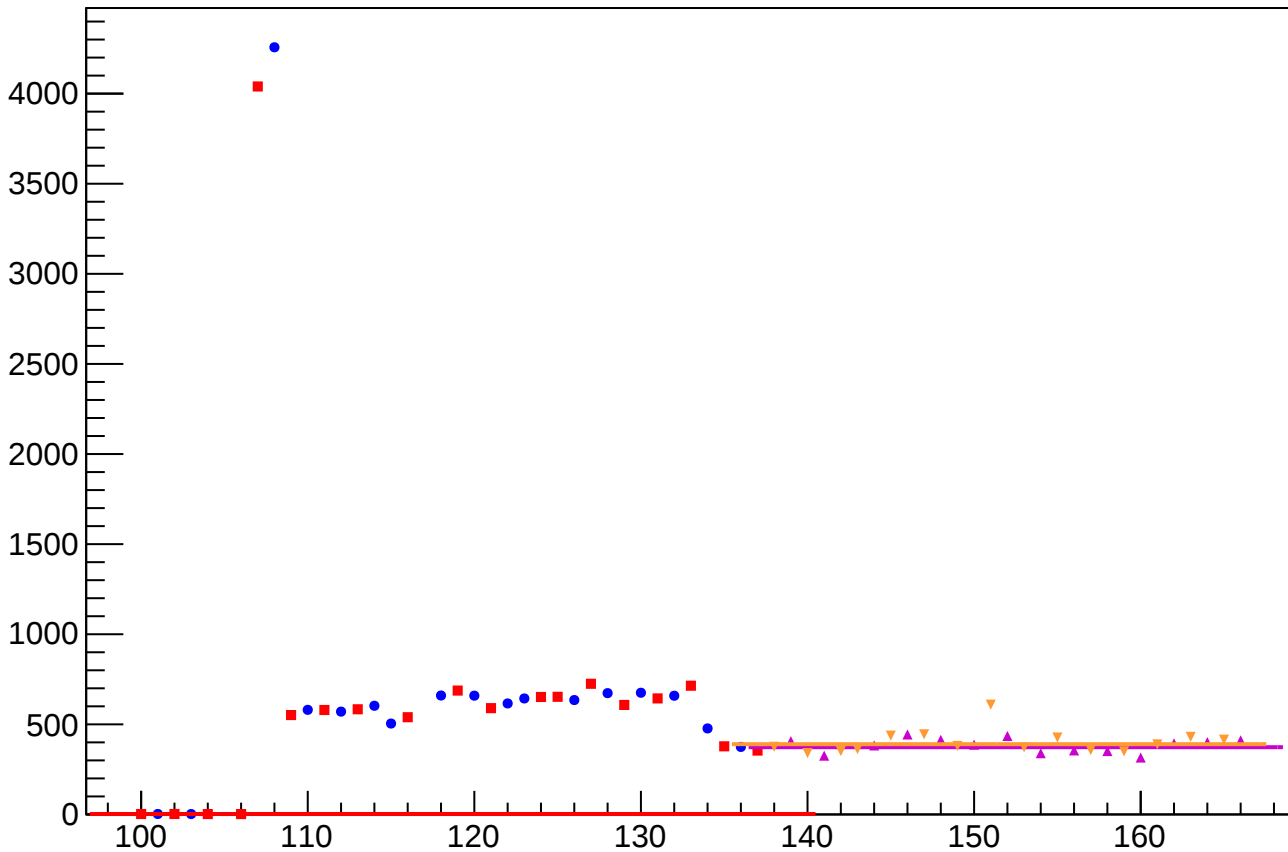
Right: -0.326 ± 1.540 χ^2/NDF : 35.6/35

In: -1.510 ± 2.251 χ^2/NDF : 27.4/30

Out: 0.607 ± 2.111 χ^2/NDF : 51.5/33

All: -0.384 ± 1.540 χ^2/NDF : 79.4/64

asym_cav4bQ_rms vs Slug, Sign Corrected



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: 373.260+/-0.081 χ^2/NDF :229690.1/13

Left: 381.353 ± 0.058 $\chi^2/\text{NDF}: 614455.4/28$

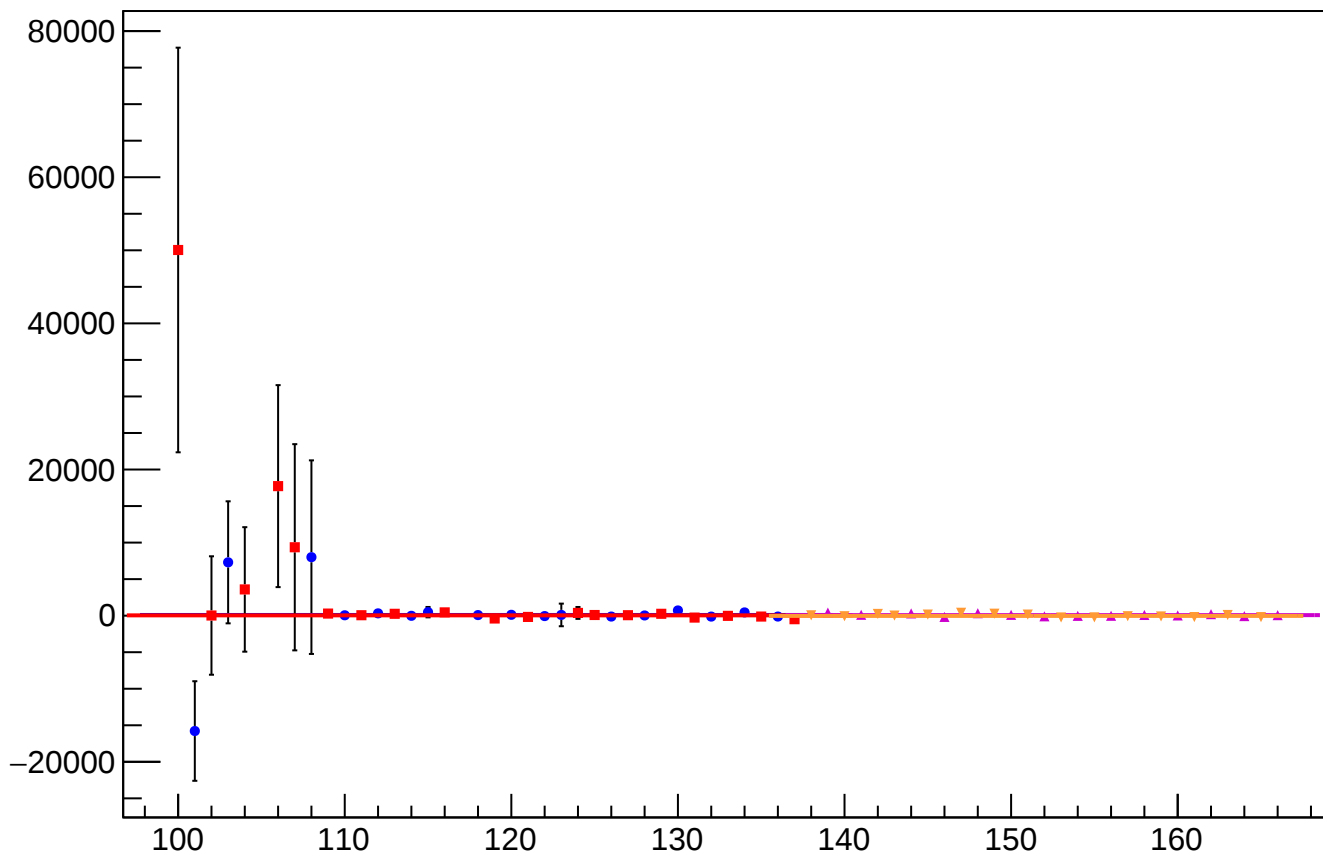
Right: 2.446 ± 0.001 χ^2/NDF : 21846612.0/35

In: 2.598+/-0.002 χ^2/NDF :31749383.3/30

Out: 2.560+/-0.001 χ^2/NDF :32991881.3/33

All: 2.578+/-0.001 χ^2/NDF : 64741570.2/64

asym_cav4cQ_mean vs Slug, Sign Corrected



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: 74.479+/-62.462 χ^2/NDF : 5.4/13

Left: 30.715+/-47.677 χ^2/NDF : 12.4/28

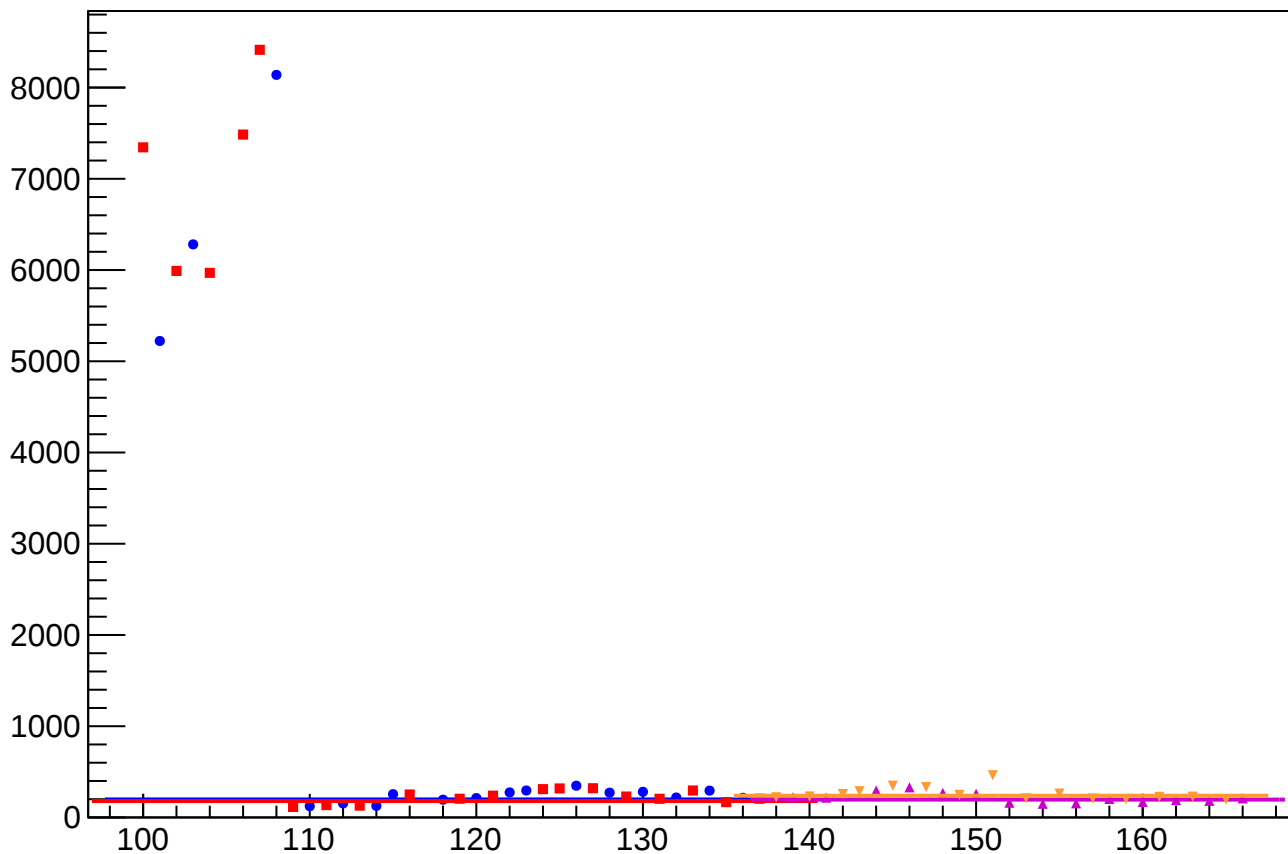
Right: 66.846+/-62.161 χ^2/NDF : 26.2/35

In: 81.094+/-51.625 χ^2/NDF : 17.4/30

Out: 1.189+/-55.597 χ^2/NDF : 20.2/33

All: 44.097+/-37.831 χ^2/NDF : 38.7/64

asym_cav4cQ_rms vs Slug, Sign Corrected



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: 195.703+/-0.044 χ^2/NDF : 1065382.3/13

Left: 213.535+/-0.034 χ^2/NDF : 2340557.5/28

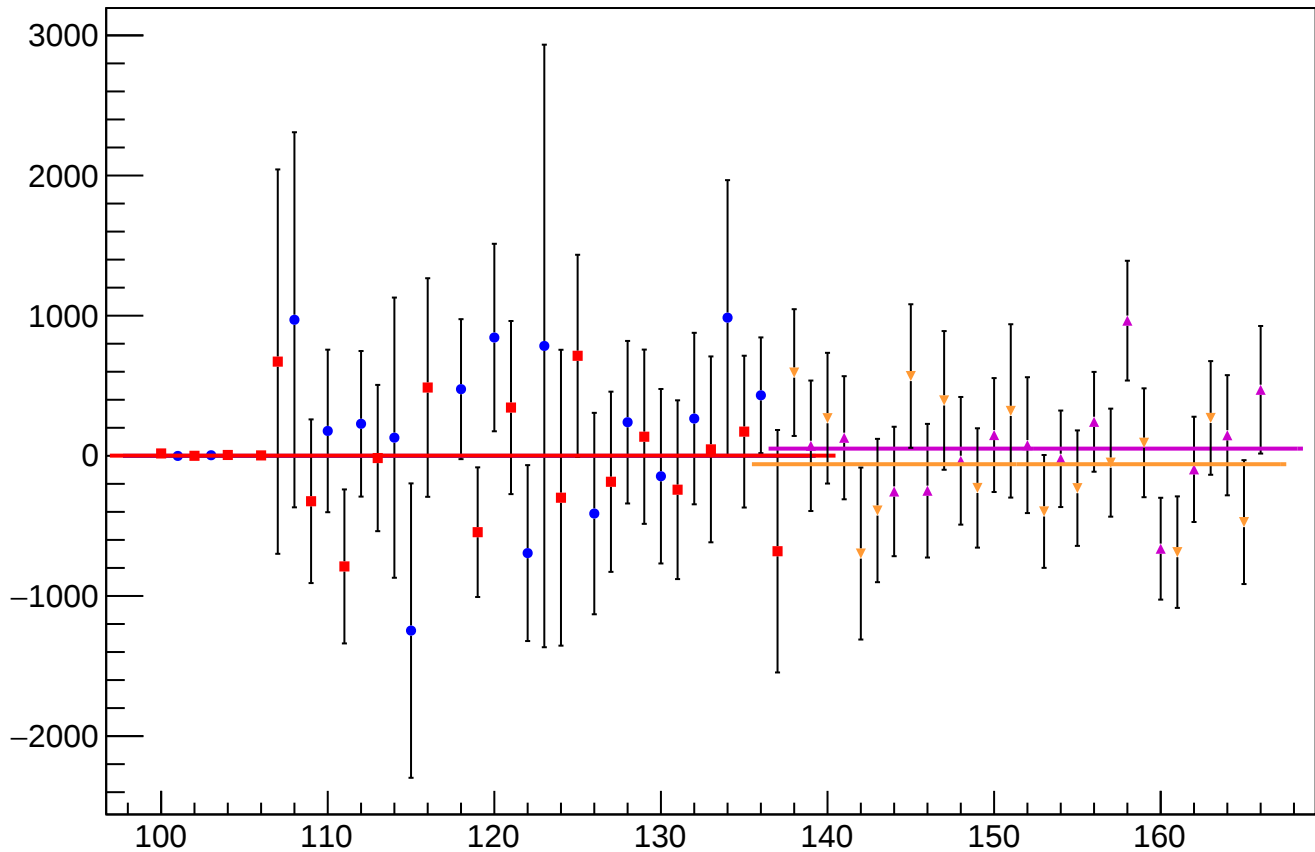
Right: 187.995+/-0.044 χ^2/NDF : 8056346.9/35

In: 196.248+/-0.037 χ^2/NDF : 4761710.4/30

Out: 213.153+/-0.039 χ^2/NDF : 5748466.4/33

All: 204.075+/-0.027 χ^2/NDF : 10609472.4/64

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 $\chi^2/\text{NDF}: 9.8/16$

Left Out: -59.845 ± 115.526 $\chi^2/\text{NDF}: 12.0/14$

Right Out: 1.324 ± 1.623 $\chi^2/\text{NDF}: 9.5/18$

Left In: 51.356 ± 111.285 $\chi^2/\text{NDF}: 10.8/13$

Left: -2.166 ± 80.148 $\chi^2/\text{NDF}: 23.3/28$

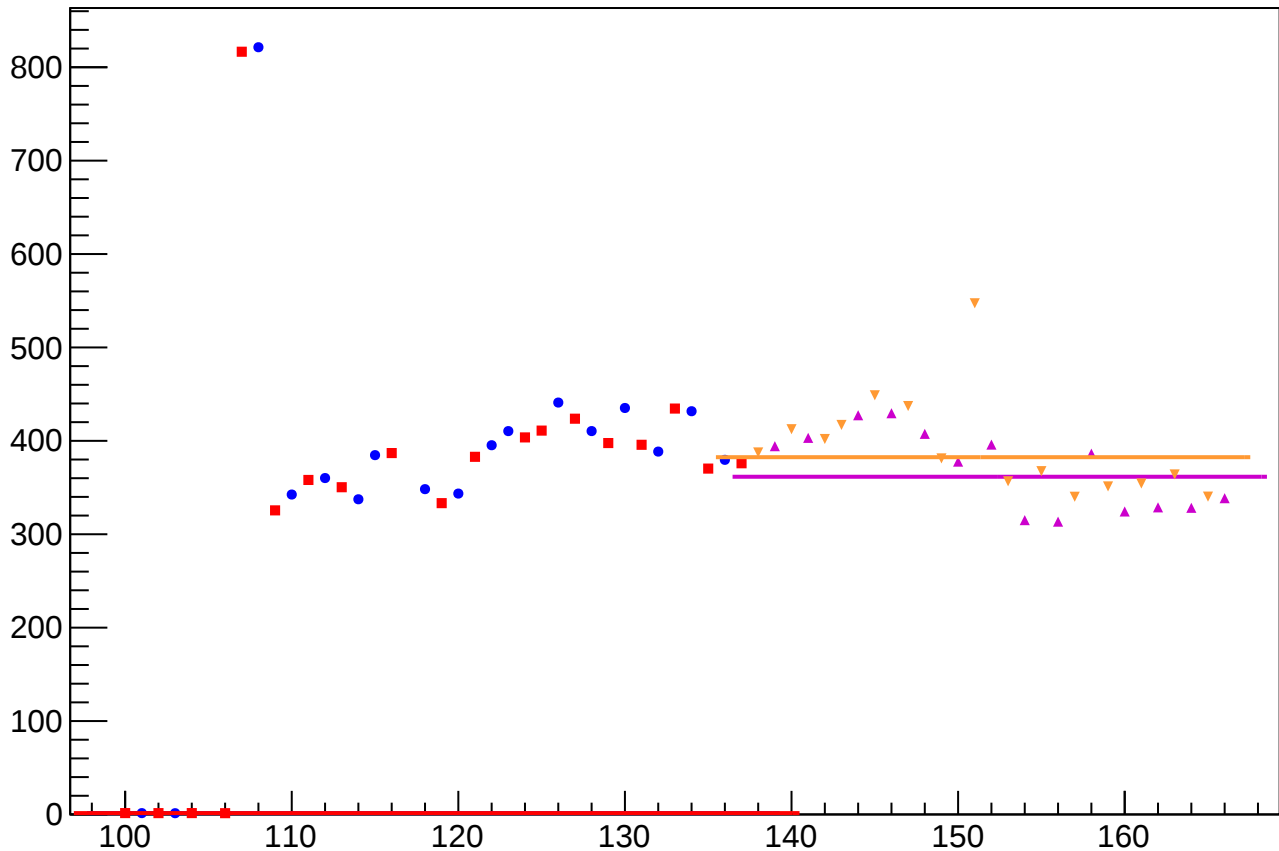
Right: 0.642 ± 1.186 $\chi^2/\text{NDF}: 19.7/35$

In: -0.126 ± 1.736 $\chi^2/\text{NDF}: 20.8/30$

Out: 1.312 ± 1.622 $\chi^2/\text{NDF}: 21.8/33$

All: 0.641 ± 1.185 $\chi^2/\text{NDF}: 42.9/64$

asym_cav4dQ_rms vs Slug, Sign Corrected



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: 361.564+/-0.079 χ^2/NDF : 275615.6/13

Left: 371.644+/-0.057 χ^2/NDF : 609703.5/28

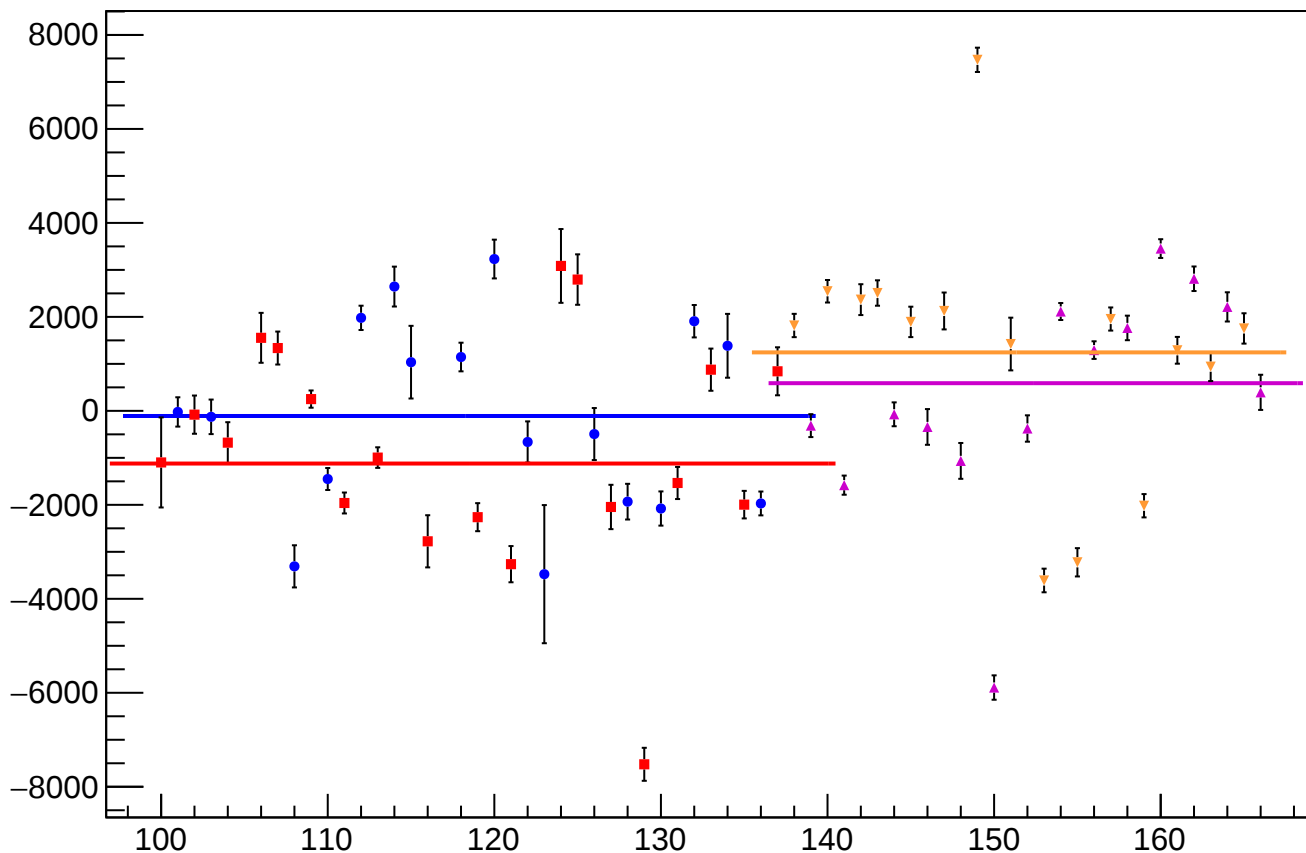
Right: 1.452+/-0.001 χ^2/NDF : 21689445.7/35

In: 1.540+/-0.001 χ^2/NDF : 32029021.1/30

Out: 1.526+/-0.001 χ^2/NDF : 32928623.1/33

All: 1.533+/-0.001 χ^2/NDF : 64957710.7/64

asym_bcm0l02_mean vs Slug, Sign Corrected



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: 588.932+/-66.106 χ^2/NDF :1206.0/13

Left: 880.106+/-49.281 χ^2/NDF : 2683.9/28

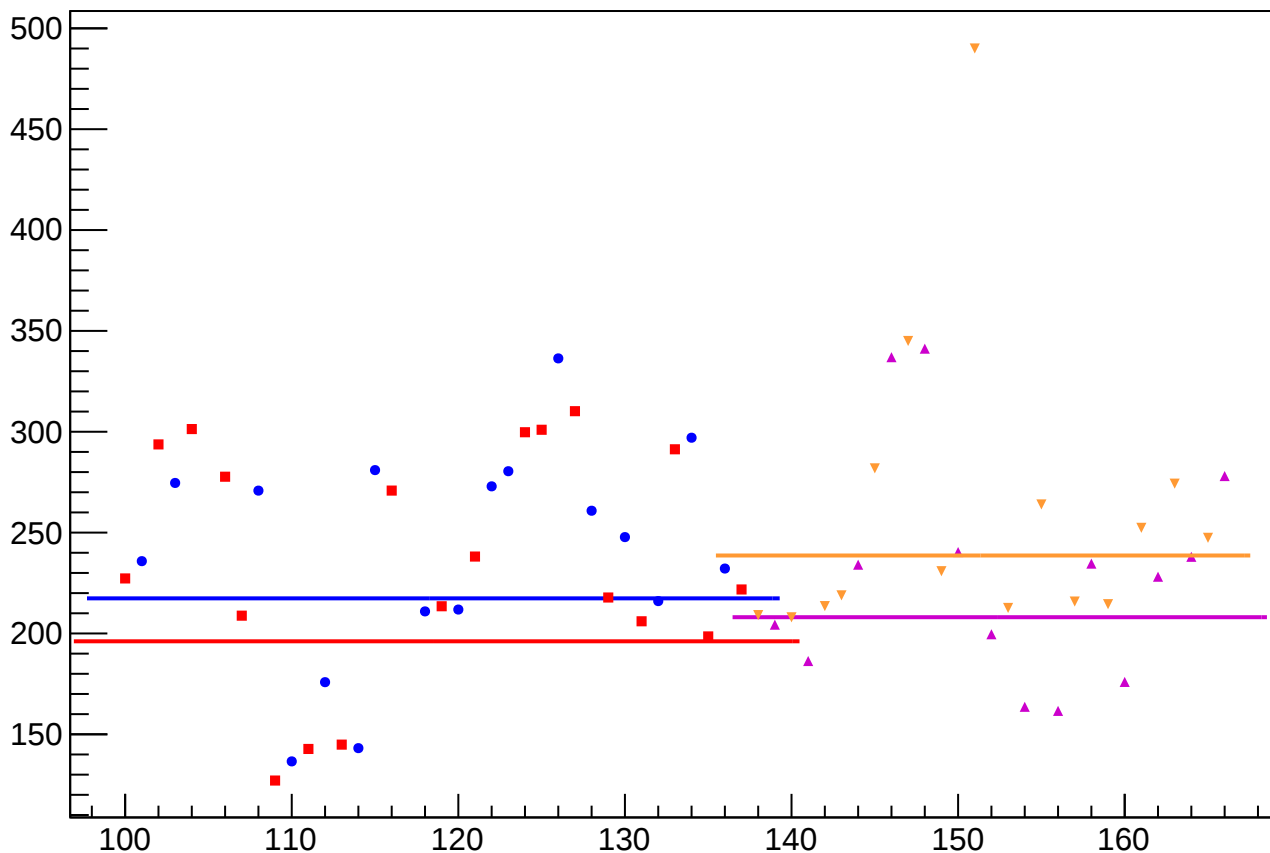
Right: -673.210+/-58.525 χ^2/NDF : 1172.2/35

In: 336.935+/-52.846 χ^2/NDF :1674.6/30

Out: 130.767+/-53.788 χ^2/NDF :2586.2/33

All: 235.673+/-37.697 χ^2/NDF : 4268.2/64

asym_bcm0l02_rms vs Slug, Sign Corrected



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: 208.060 $\pm$ 0.047 χ^2 /NDF: 967085.2/13

Left: 221.651 $\pm$ 0.035 χ^2 /NDF: 1931458.9/28

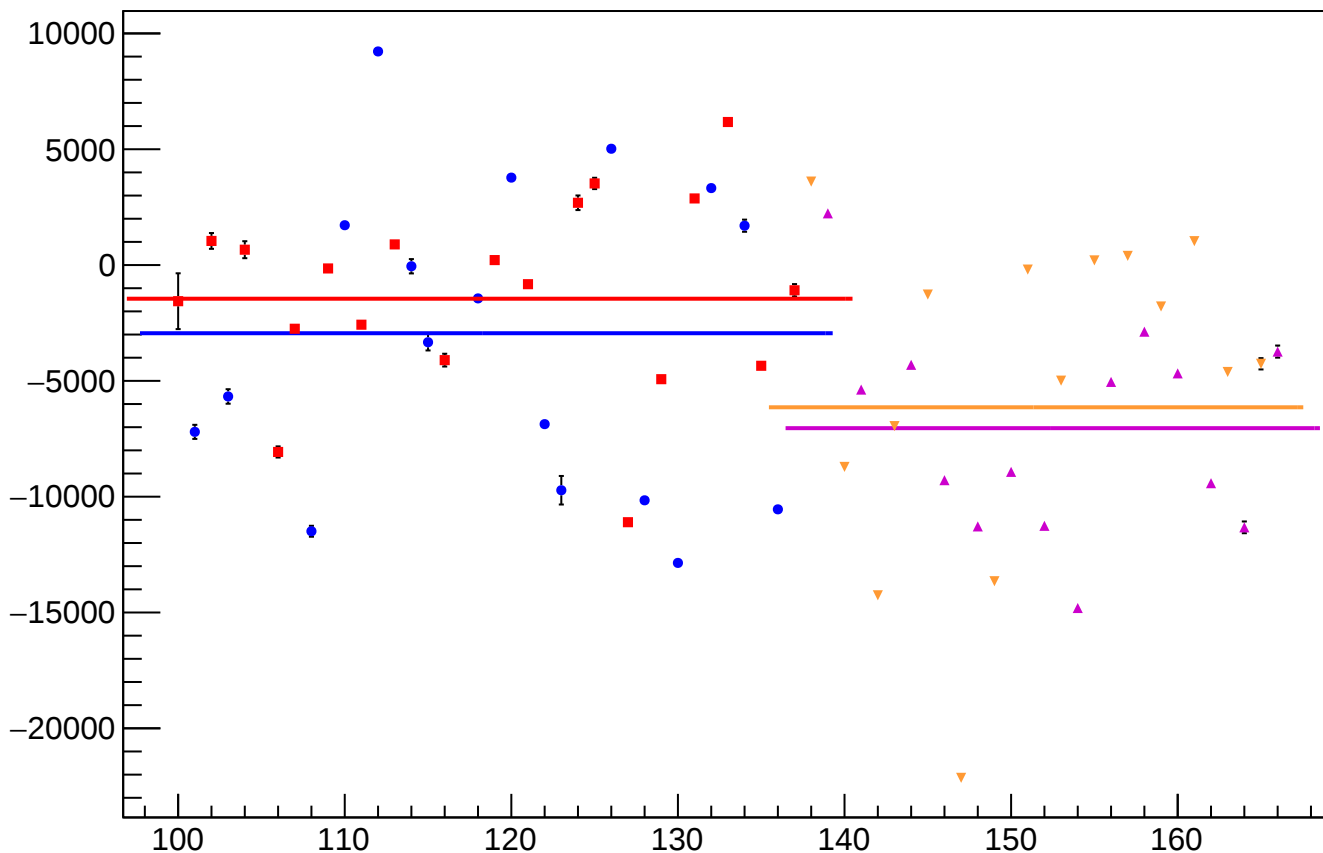
Right: 205.537 $\pm$ 0.041 χ^2 /NDF: 1908796.2/35

In: 211.432 $\pm$ 0.037 χ^2 /NDF: 1634137.7/30

Out: 218.626 $\pm$ 0.038 χ^2 /NDF: 2276620.6/33

All: 214.966 $\pm$ 0.027 χ^2 /NDF: 3928962.9/64

asym_bpm2i01WS_mean vs Slug, Sign Corrected



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: -7041.894+/-41.242 χ^2/NDF : 11342.9/13

Left: -6580.374+/-28.806 χ^2/NDF : 45666.9/28

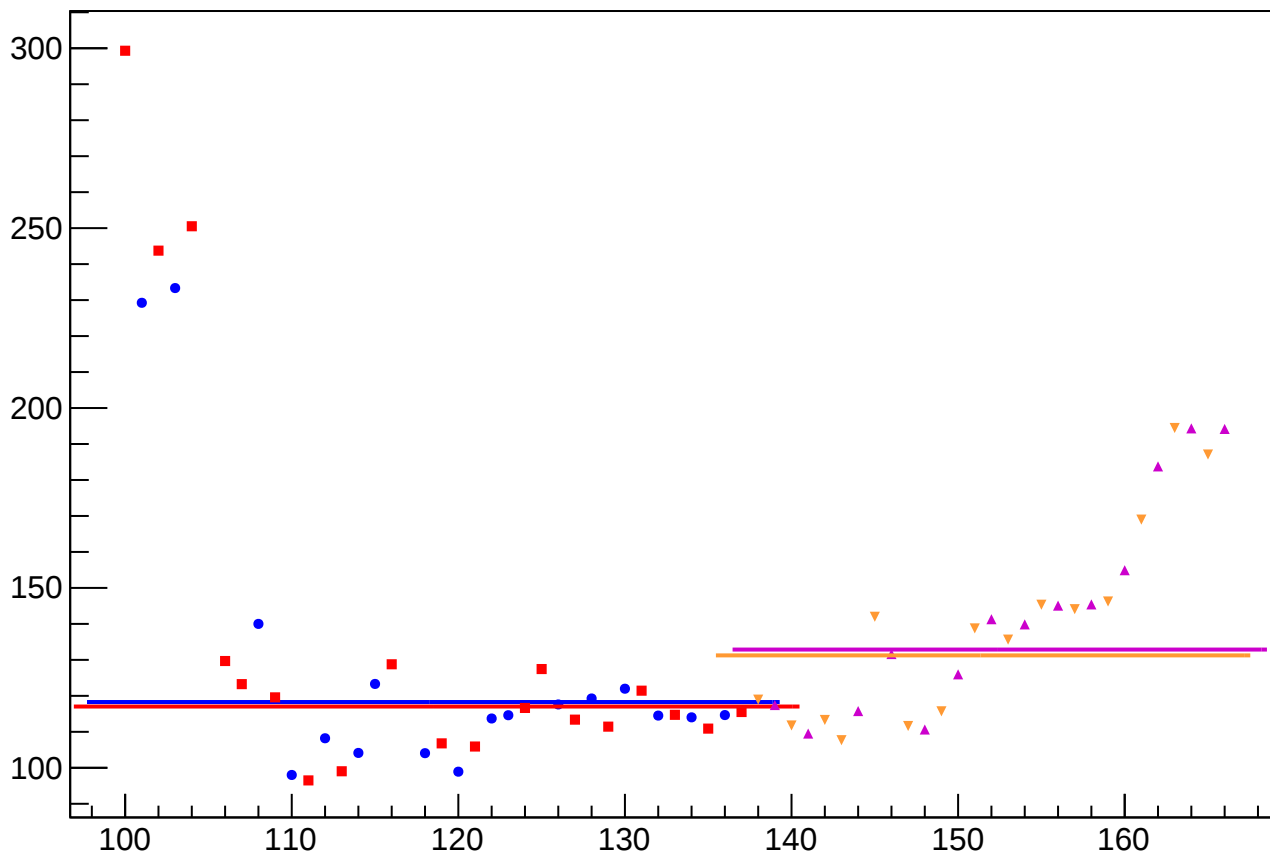
Right: -2163.502+/-33.566 χ^2/NDF : 29397.3/35

In: -5326.465+/-31.449 χ^2/NDF : 36386.5/30

Out: -4127.969+/-30.407 χ^2/NDF : 47898.4/33

All: -4707.032+/-21.860 χ^2/NDF : 85035.6/64

asym_bpm2i01WS_rms vs Slug, Sign Corrected



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: 132.866+/-0.029 χ^2/NDF : 612374.2/13

Left: 132.037+/-0.020 χ^2/NDF : 1244457.5/28

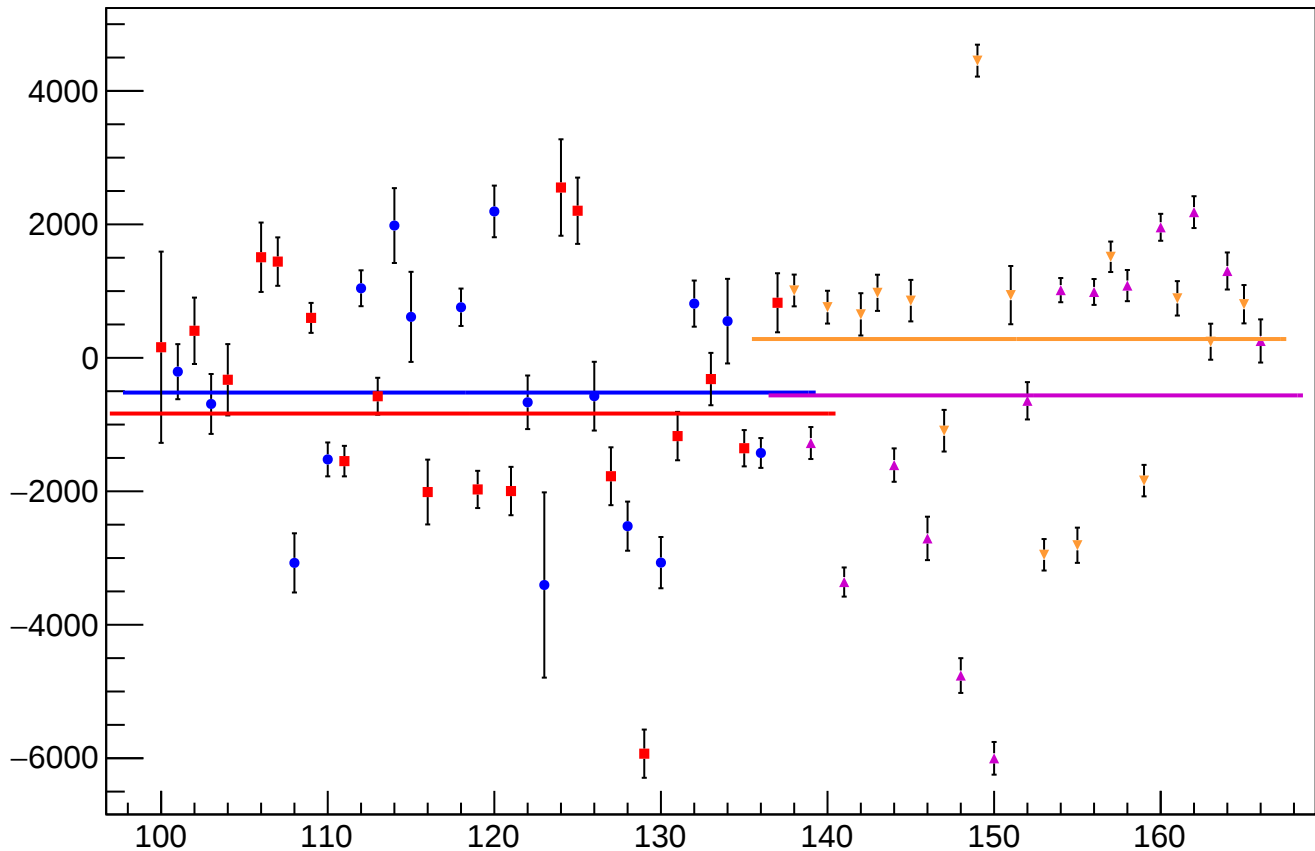
Right: 117.629+/-0.024 χ^2/NDF : 1328476.0/35

In: 126.764+/-0.022 χ^2/NDF : 1353918.7/30

Out: 125.143+/-0.022 χ^2/NDF : 1428463.6/33

All: 125.926+/-0.015 χ^2/NDF : 2785128.7/64

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 282.049 ± 68.771 χ^2/NDF : 793.8/14

Right Out: -834.834 ± 82.273 χ^2/NDF : 434.7/18

Left In: -562.871 ± 63.513 χ^2/NDF : 1515.1/13

Left: -173.945 ± 46.659 χ^2/NDF : 2390.4/28

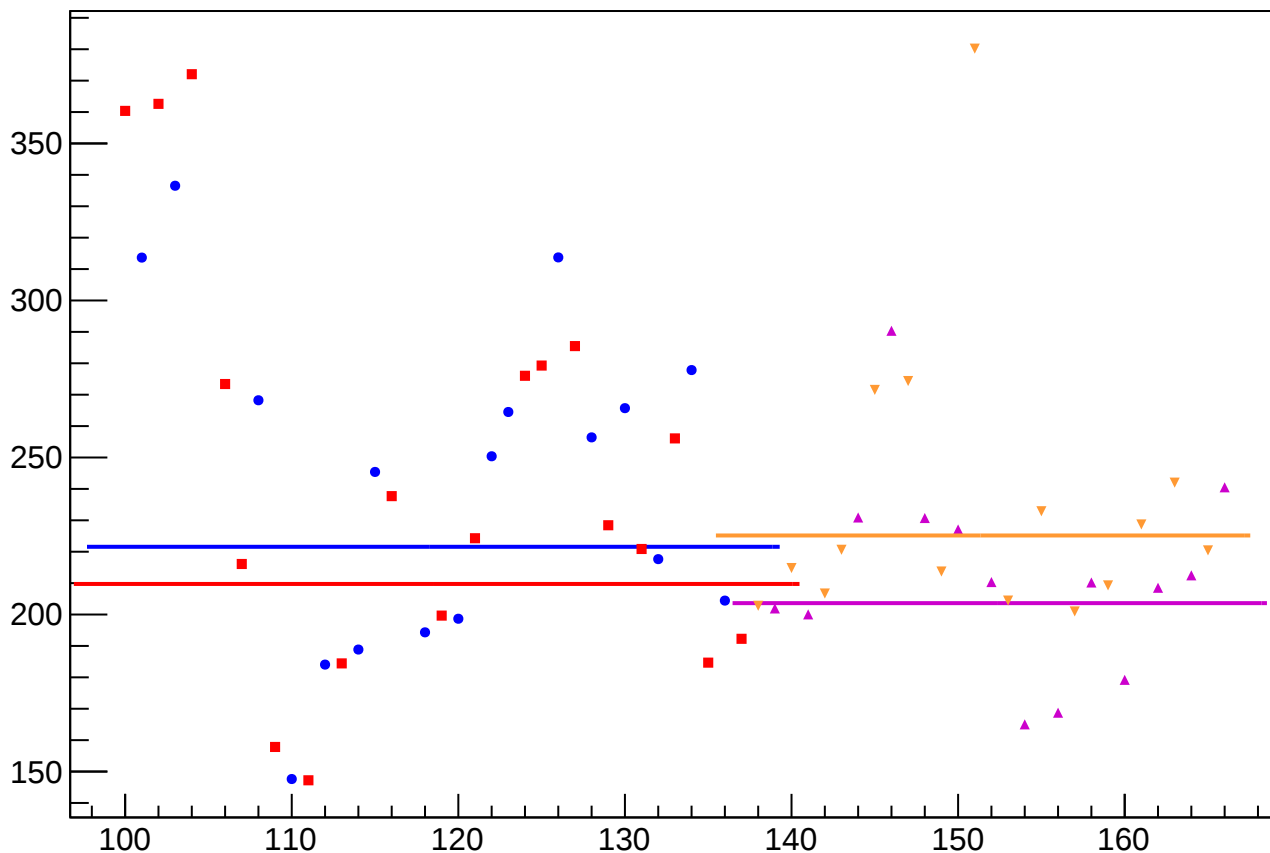
Right: -690.308 ± 60.489 χ^2/NDF : 729.5/35

In: -548.547 ± 51.746 χ^2/NDF : 1803.4/30

Out: -177.345 ± 52.765 χ^2/NDF : 1337.0/33

All: -366.567 ± 36.945 χ^2/NDF : 3165.6/64

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570+/-0.063 χ^2/NDF : 644941.4/16

Left Out: 225.172+/-0.049 χ^2/NDF : 437166.7/14

Right Out: 209.736+/-0.058 χ^2/NDF : 883922.1/18

Left In: 203.627+/-0.045 χ^2/NDF : 422565.5/13

Left: 213.545+/-0.033 χ^2/NDF : 965671.5/28

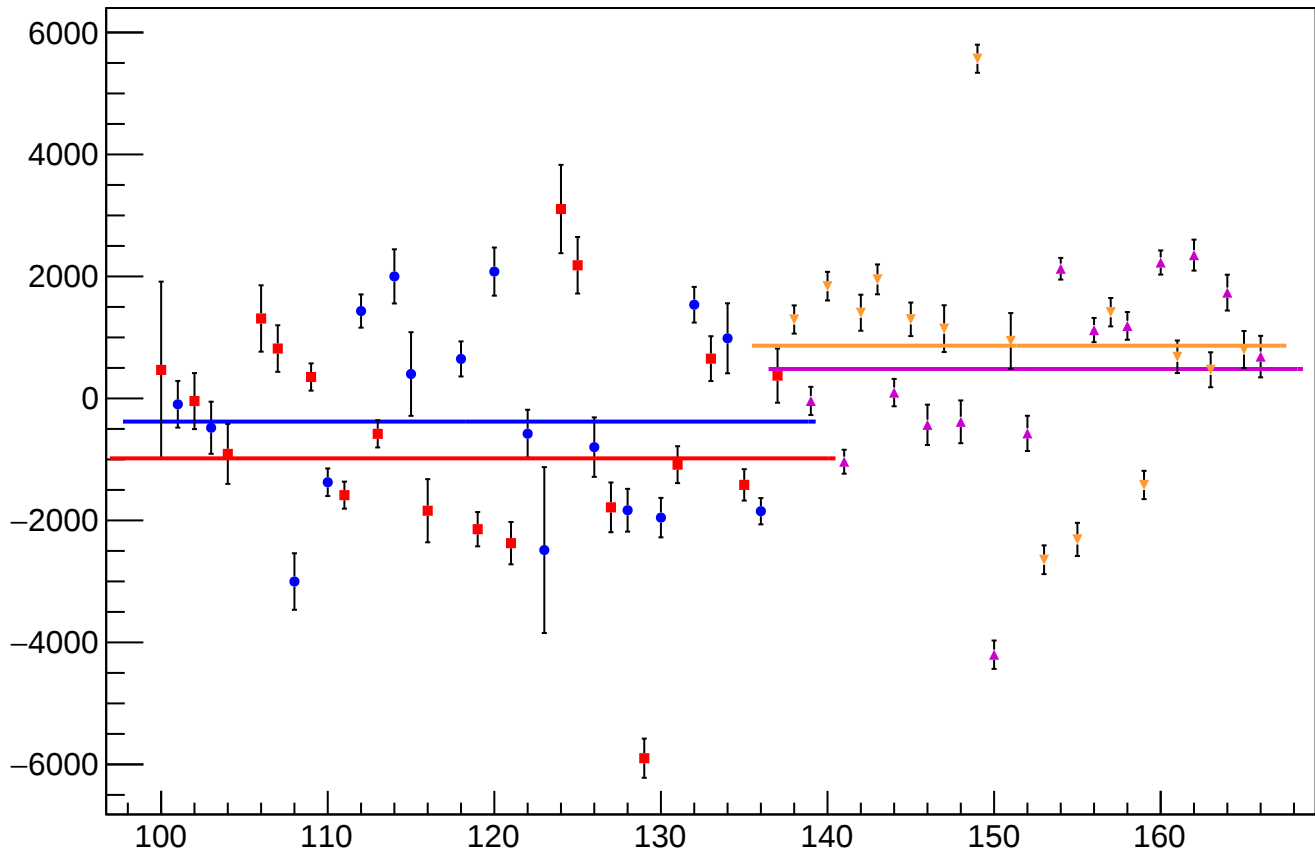
Right: 215.173+/-0.043 χ^2/NDF : 1547873.9/35

In: 209.660+/-0.037 χ^2/NDF : 1121172.1/30

Out: 218.823+/-0.037 χ^2/NDF : 1362535.3/33

All: 214.152+/-0.026 χ^2/NDF : 2514453.9/64

asym_bpm0l01WS_mean vs Slug, Sign Corrected



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: 482.676+/-63.255 χ^2/NDF : 756.5/13

Left: 659.113+/-46.408 χ^2/NDF : 1701.1/28

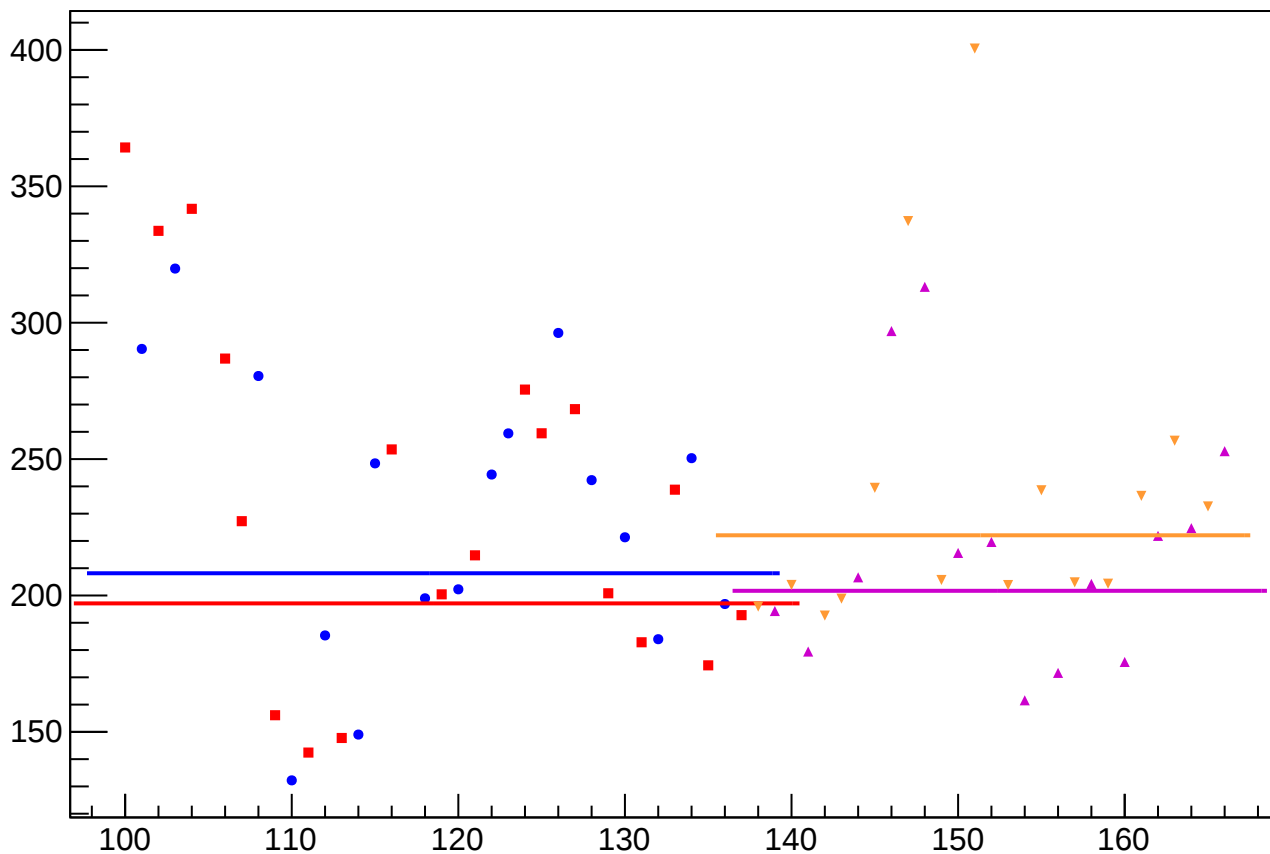
Right: -705.376+/-57.130 χ^2/NDF : 821.1/35

In: 171.859+/-50.587 χ^2/NDF : 1140.6/30

Out: 59.924+/-51.303 χ^2/NDF : 1722.8/33

All: 116.679+/-36.021 χ^2/NDF : 2865.8/64

asym_bpm0l01WS_rms vs Slug, Sign Corrected



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: 201.715+/-0.045 χ^2/NDF : 664236.9/13

Left: 211.113+/-0.033 χ^2/NDF : 1418115.5/28

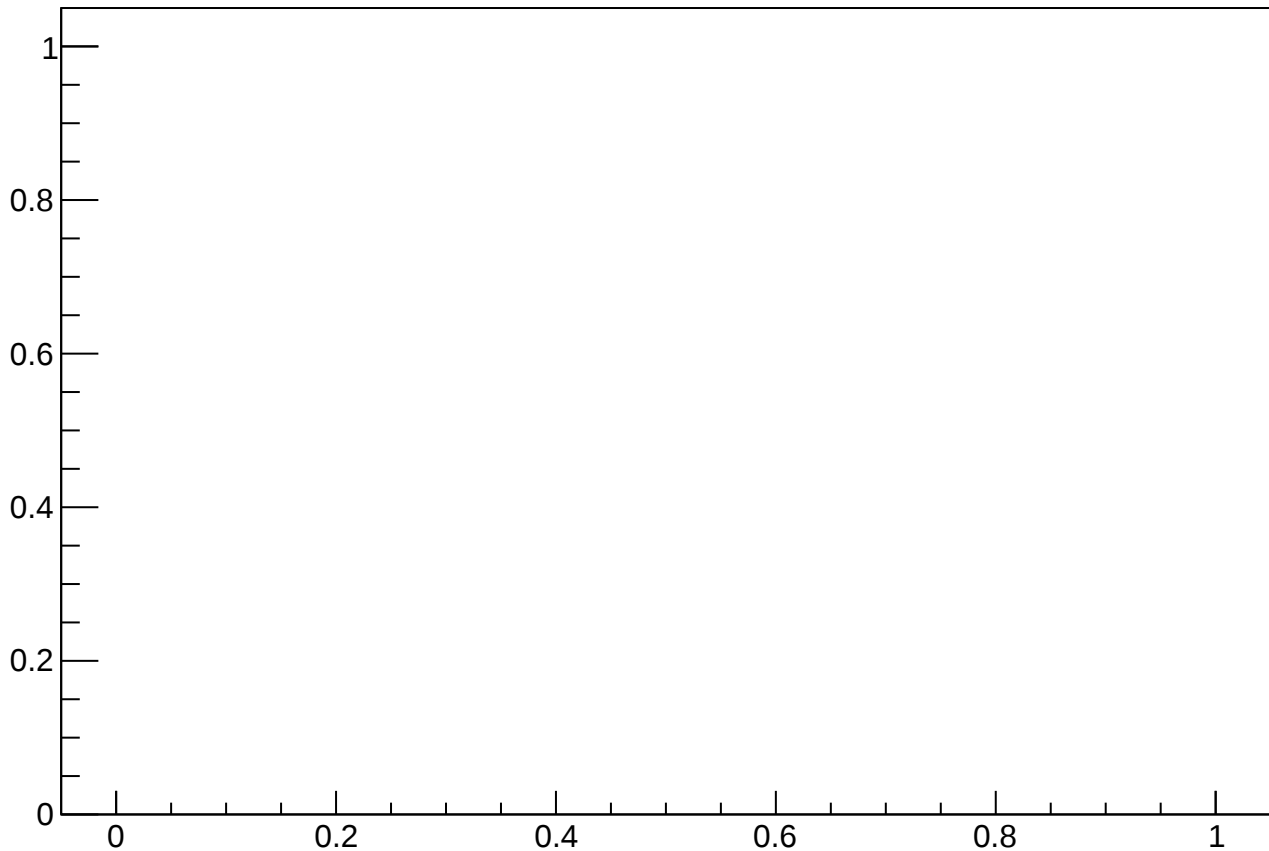
Right: 202.182+/-0.040 χ^2/NDF : 1644129.7/35

In: 204.035+/-0.036 χ^2/NDF : 1370783.4/30

Out: 211.191+/-0.036 χ^2/NDF : 1701180.0/33

All: 207.563+/-0.025 χ^2/NDF : 3091694.1/64

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

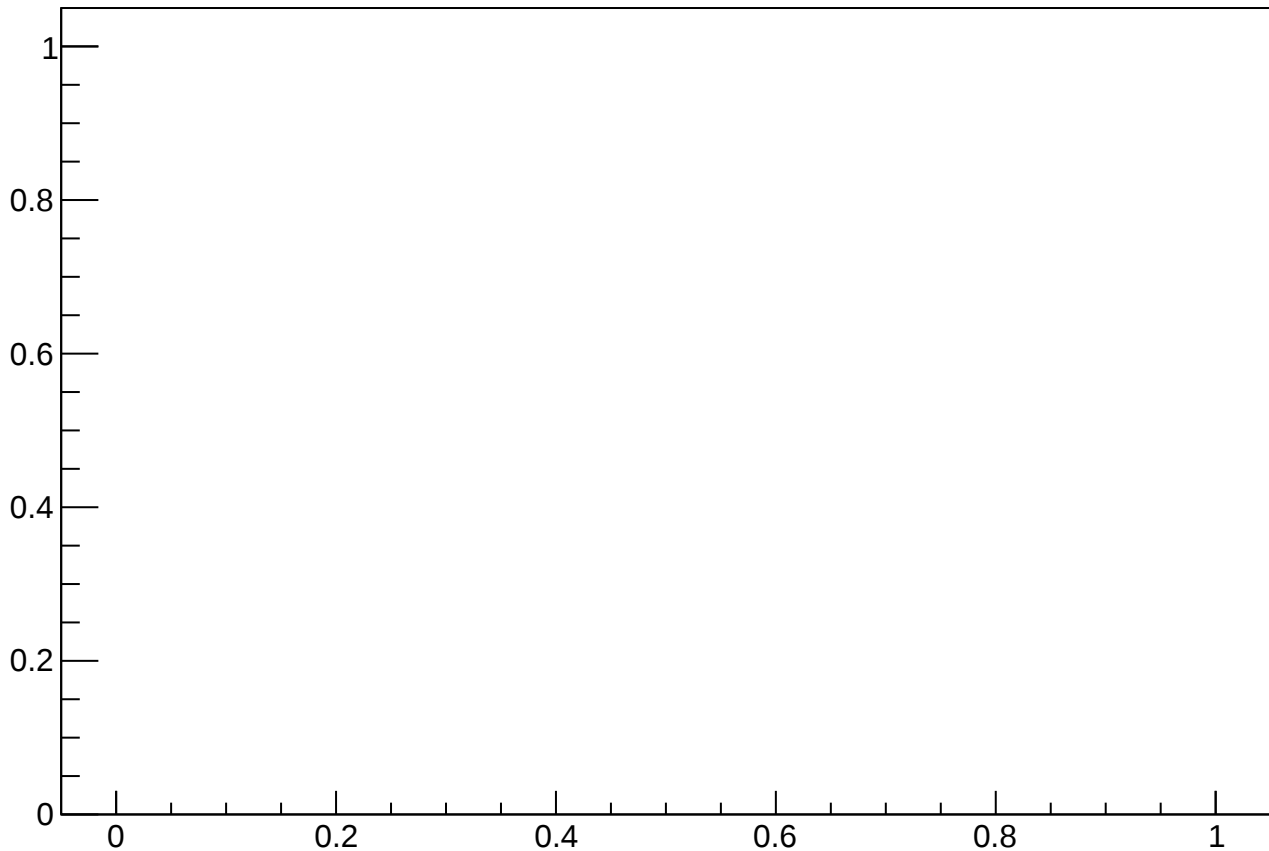
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

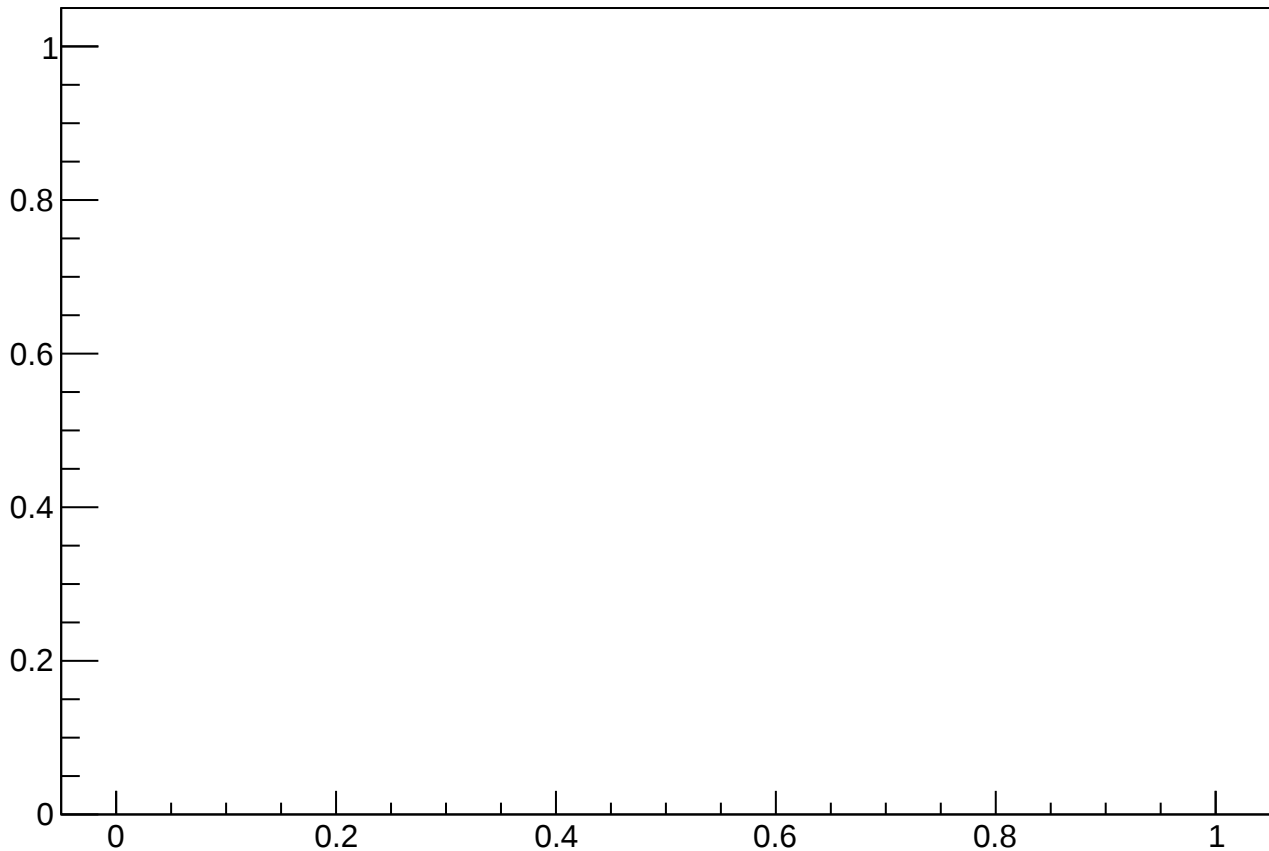
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

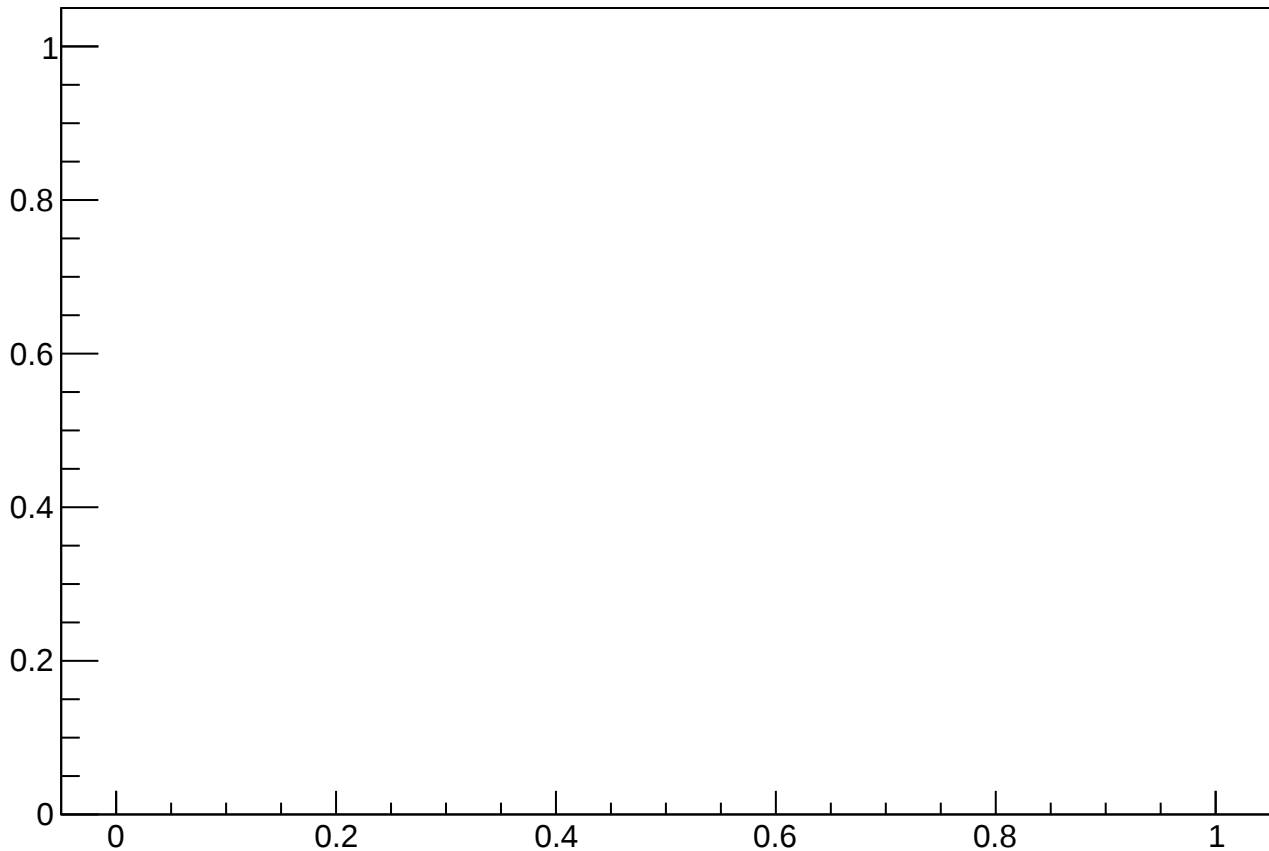
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

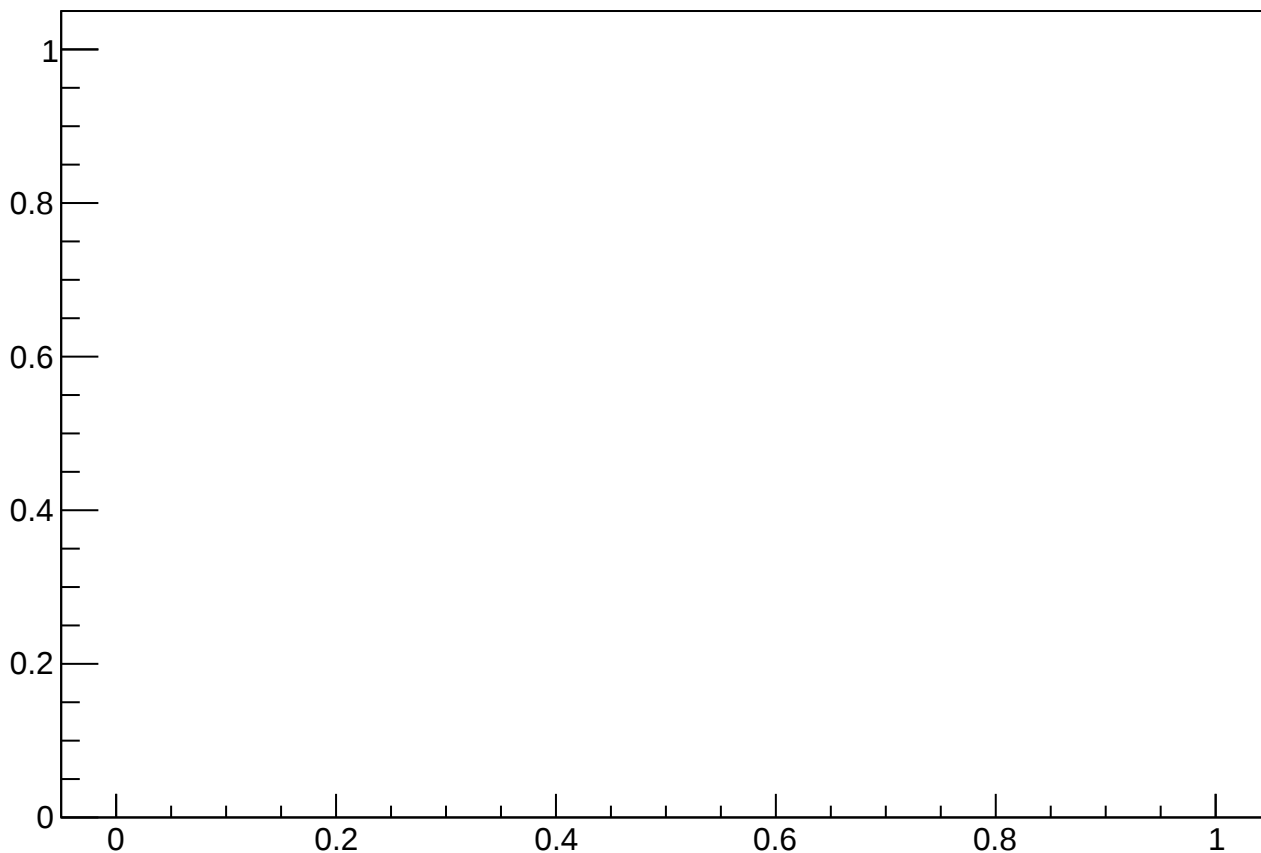
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

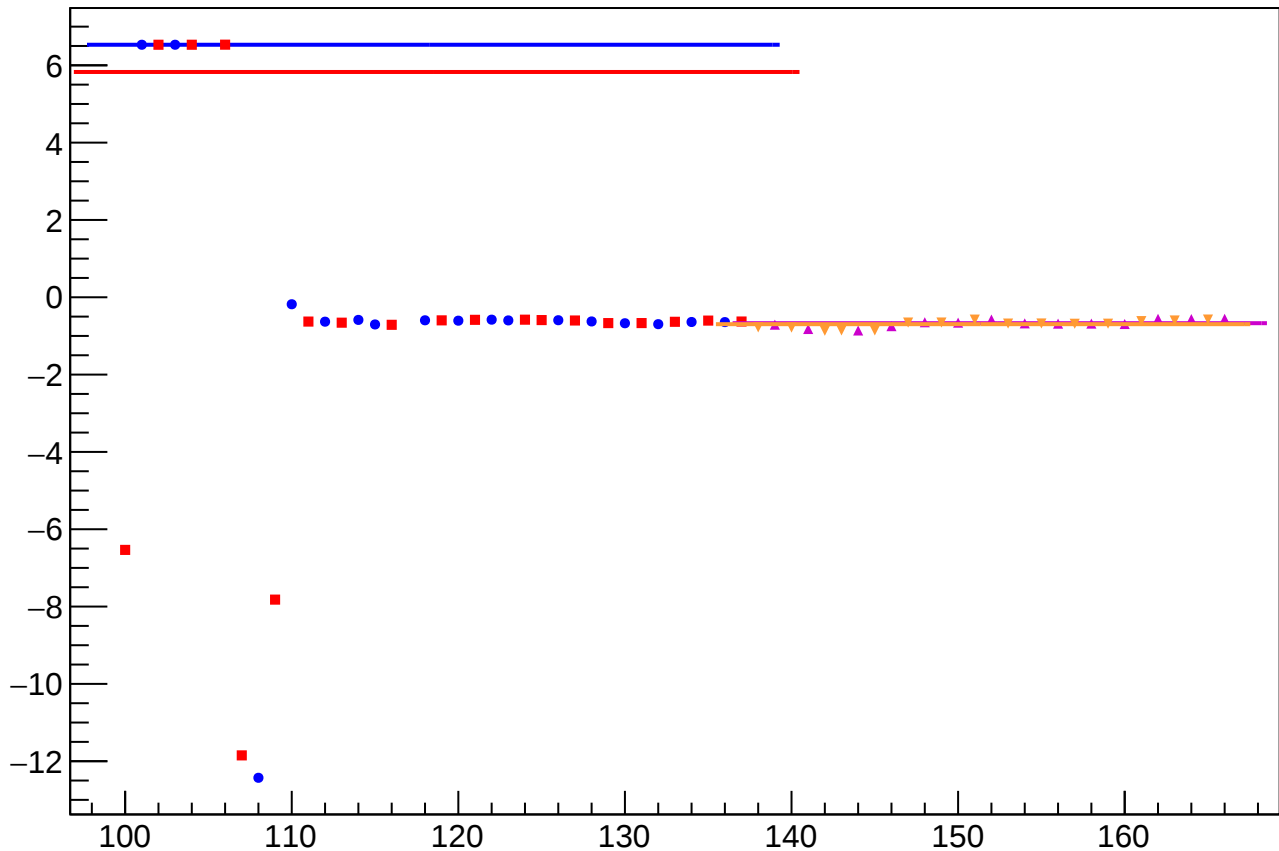
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

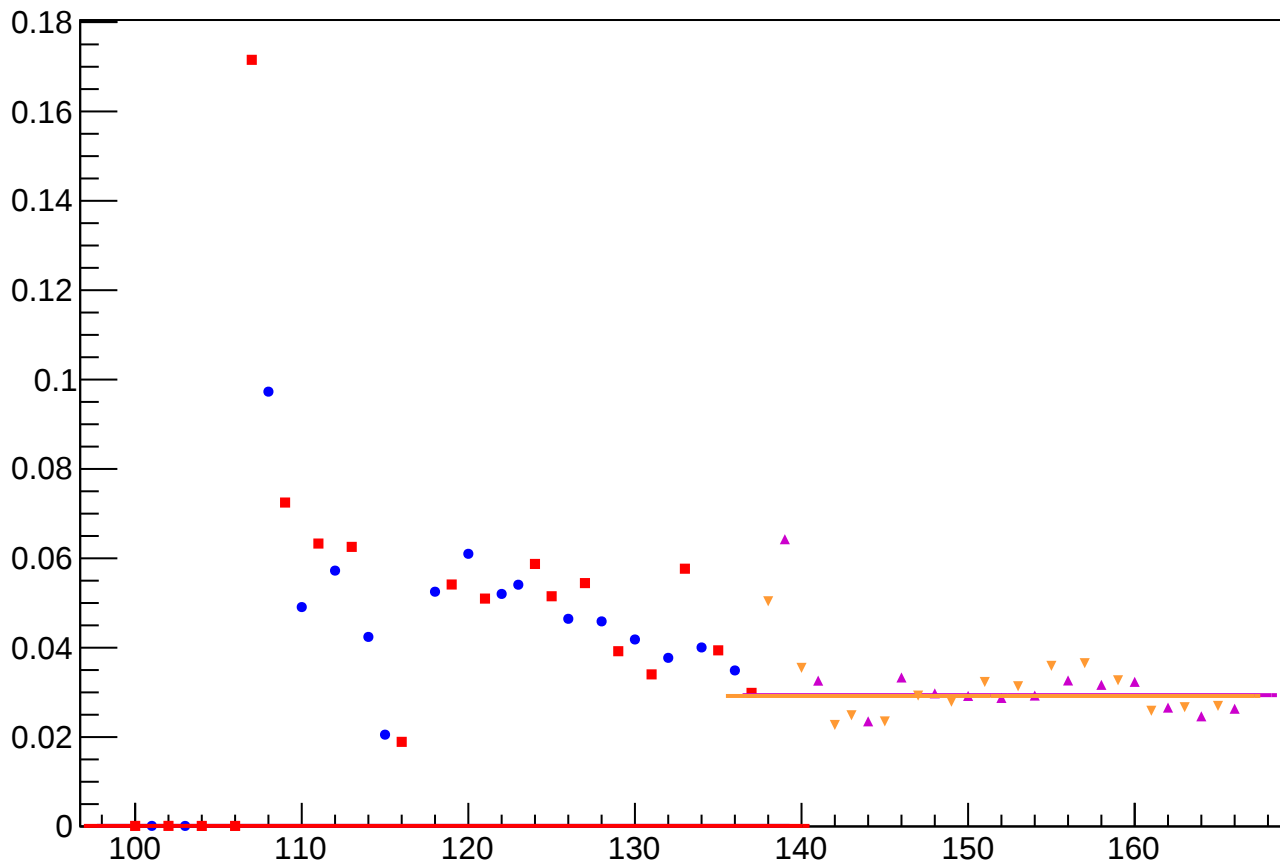
All: 0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000	χ^2/NDF : 127219747629.7/16	Left: -0.683+/-0.000	χ^2/NDF : 203280440.6/28
Left Out: -0.696+/-0.000	χ^2/NDF : 105740127.4/14	Right: 6.155+/-0.000	χ^2/NDF : 776094576922584.5
Right Out: 5.827+/-0.000	χ^2/NDF : 755963218053643.4/18	In: 6.531+/-0.000	χ^2/NDF : 649358905462.7/30
Left In: -0.670+/-0.000	χ^2/NDF : 94216724.7/13	Out: 5.827+/-0.000	χ^2/NDF : 756403437788988.1/3
		All: 6.154+/-0.000	χ^2/NDF : 77704900564599

yield_cav4bX_rms vs Slug, Sign Corrected



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: 0.029+/-0.000 χ^2/NDF : 615705.8/13

Left: 0.029+/-0.000 χ^2/NDF : 1187366.5/28

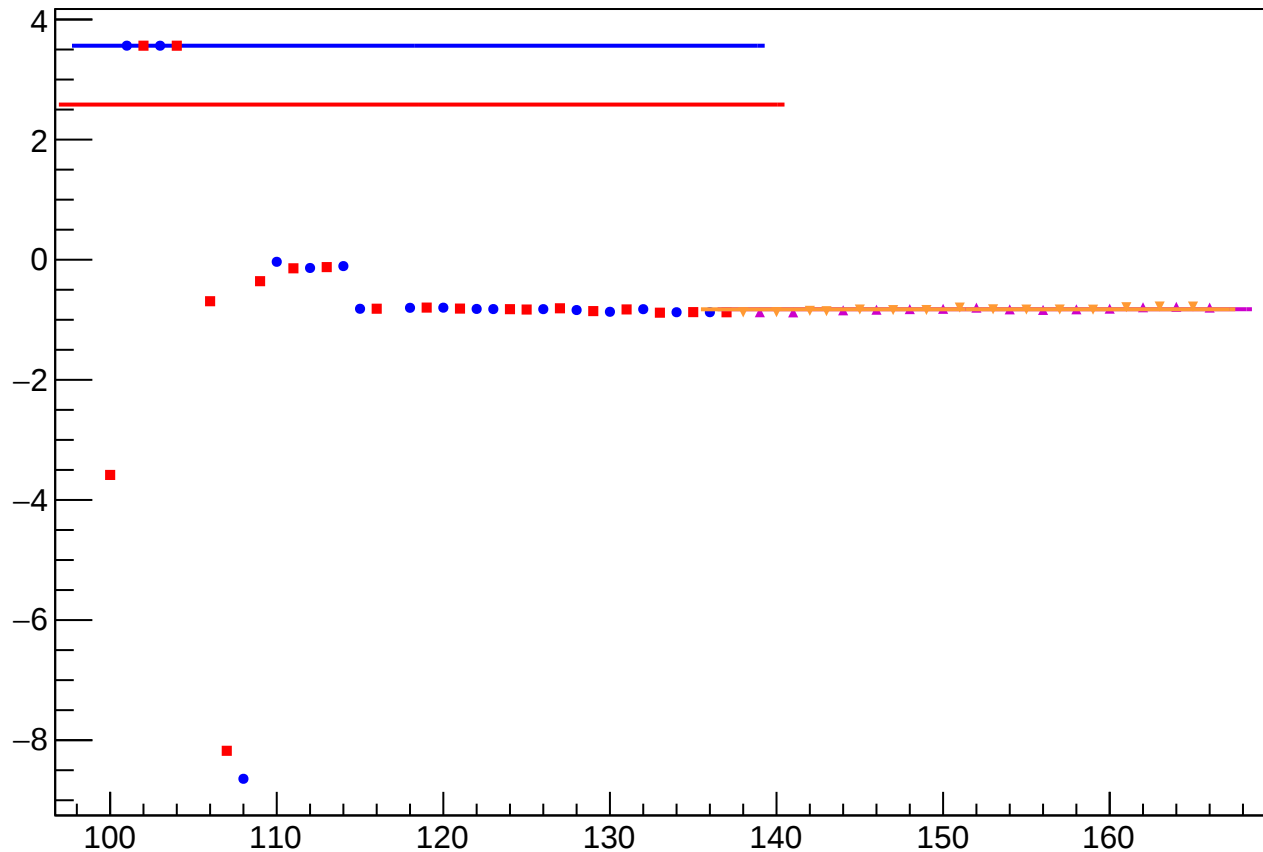
Right: 0.000+/-0.000 χ^2/NDF : 18237948.0/35

In: 0.000+/-0.000 χ^2/NDF : 26731719.0/30

Out: 0.000+/-0.000 χ^2/NDF : 27406816.8/33

All: 0.000+/-0.000 χ^2/NDF : 54138921.9/64

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.825+/-0.000 χ^2/NDF : 124469014.8/14

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

Left In: -0.824+/-0.000 χ^2/NDF : 99278319.2/13

Left: -0.825+/-0.000 χ^2/NDF : 223813320.5/28

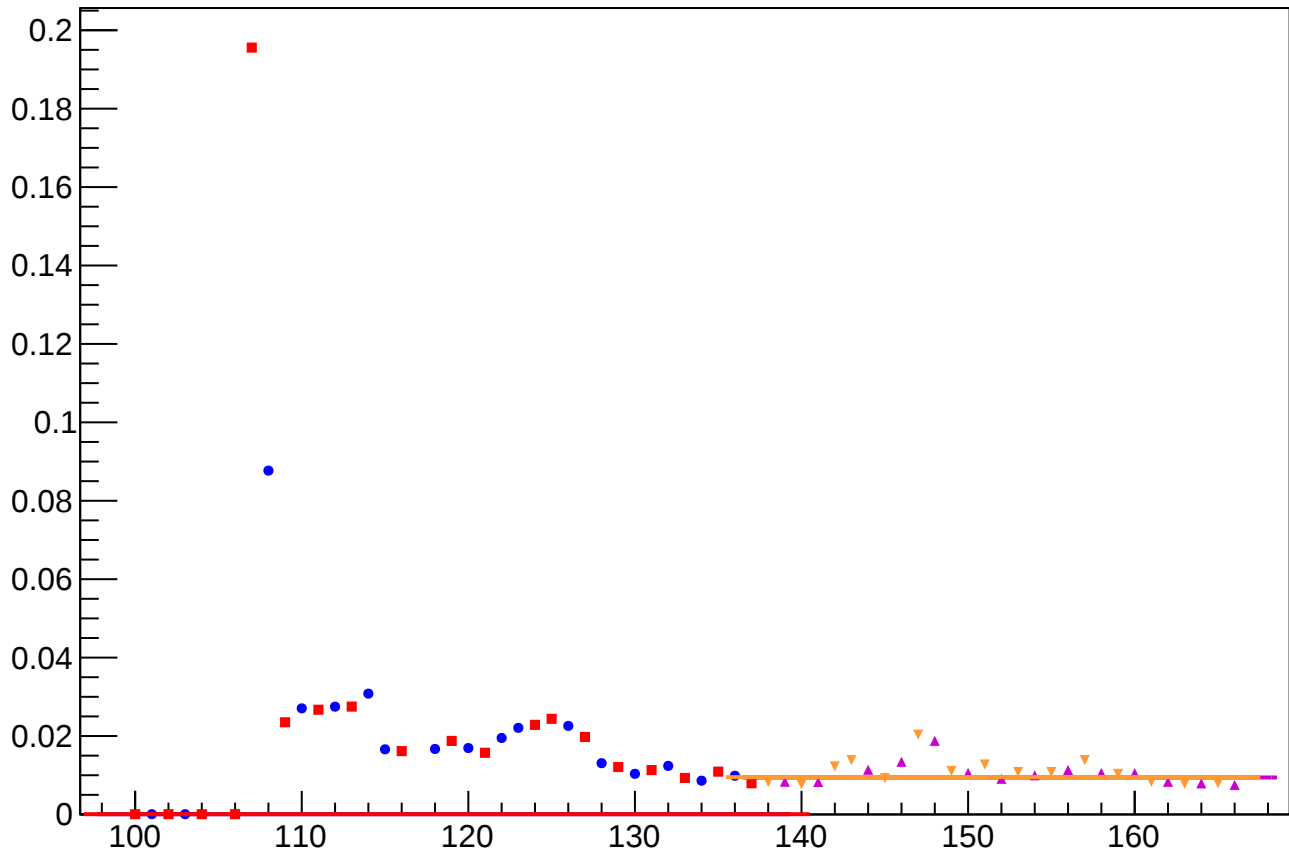
Right: 3.040+/-0.000 χ^2/NDF : 1382254685120485.7/30

In: 3.562+/-0.000 χ^2/NDF : 2331433835844.7/30

Out: 2.582+/-0.000 χ^2/NDF : 1254609361490939.2/18

All: 3.039+/-0.000 χ^2/NDF : 13851138323400.0/56

yield_cav4bY_rms vs Slug, Sign Corrected



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: 0.009+/-0.000 χ^2/NDF :746421.0/13

Left: 0.009+/-0.000 χ^2/NDF : 1765476.4/28

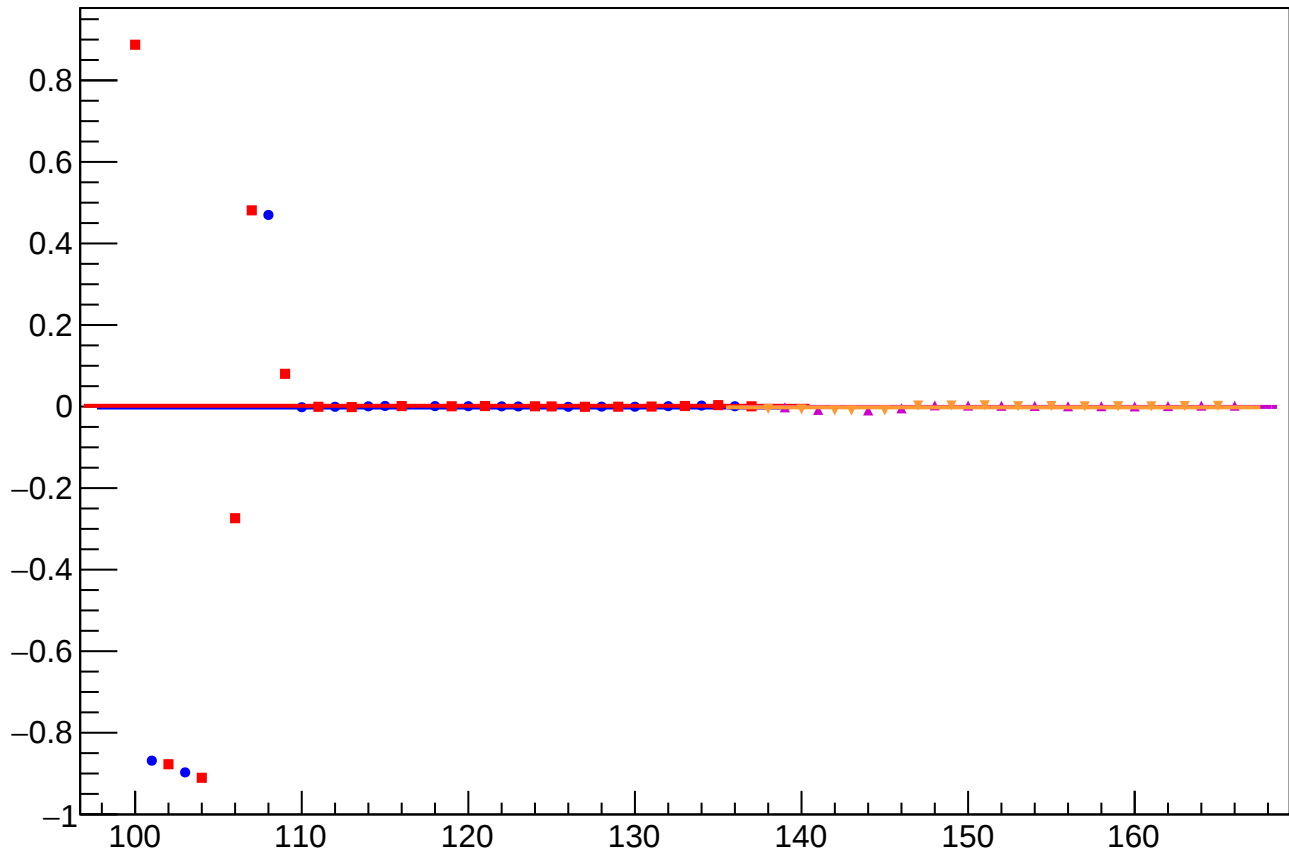
Right: 0.000+/-0.000 χ^2/NDF : 19586090.4/35

In: 0.000+/-0.000 χ^2/NDF :27303742.7/30

Out: 0.000+/-0.000 χ^2/NDF :27881055.1/33

All: 0.000+/-0.000 χ^2/NDF : 55185370.8/64

yield_cav4cX_mean vs Slug, Sign Corrected



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 : 65485997.5/13

Left: -0.001+/-0.000 χ^2/NDF : 156747777.4/28

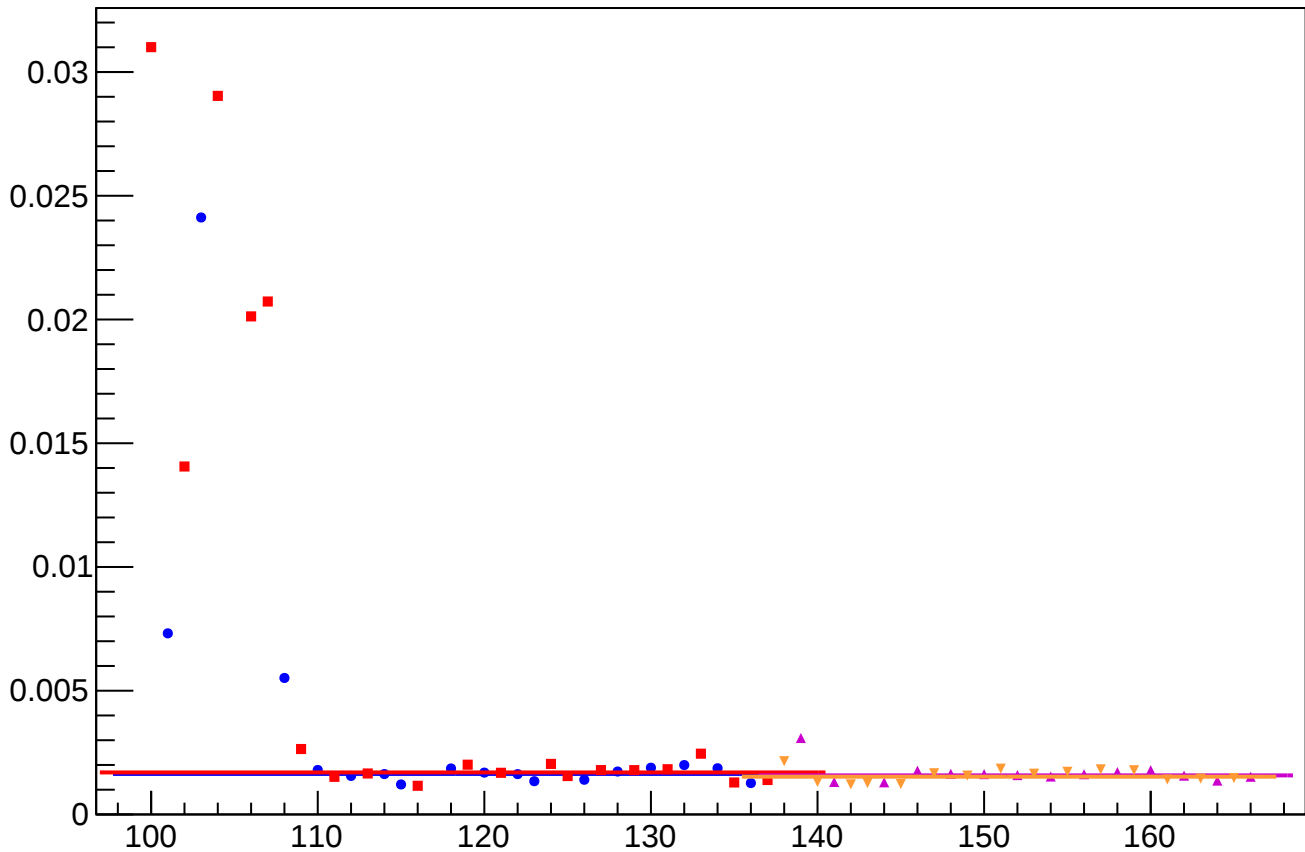
Right: -0.000+/-0.000 χ^2/NDF : 12850350896.6/35

In: -0.001+/-0.000 χ^2/NDF : 9862826395.2/30

Out: -0.001+/-0.000 χ^2/NDF : 3146067135.7/33

All: -0.001+/-0.000 χ^2/NDF : 13009660434.3/66

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: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:522124.7/13

Left: 0.002 $\pm$ 0.000 χ^2 /NDF: 952464.6/28

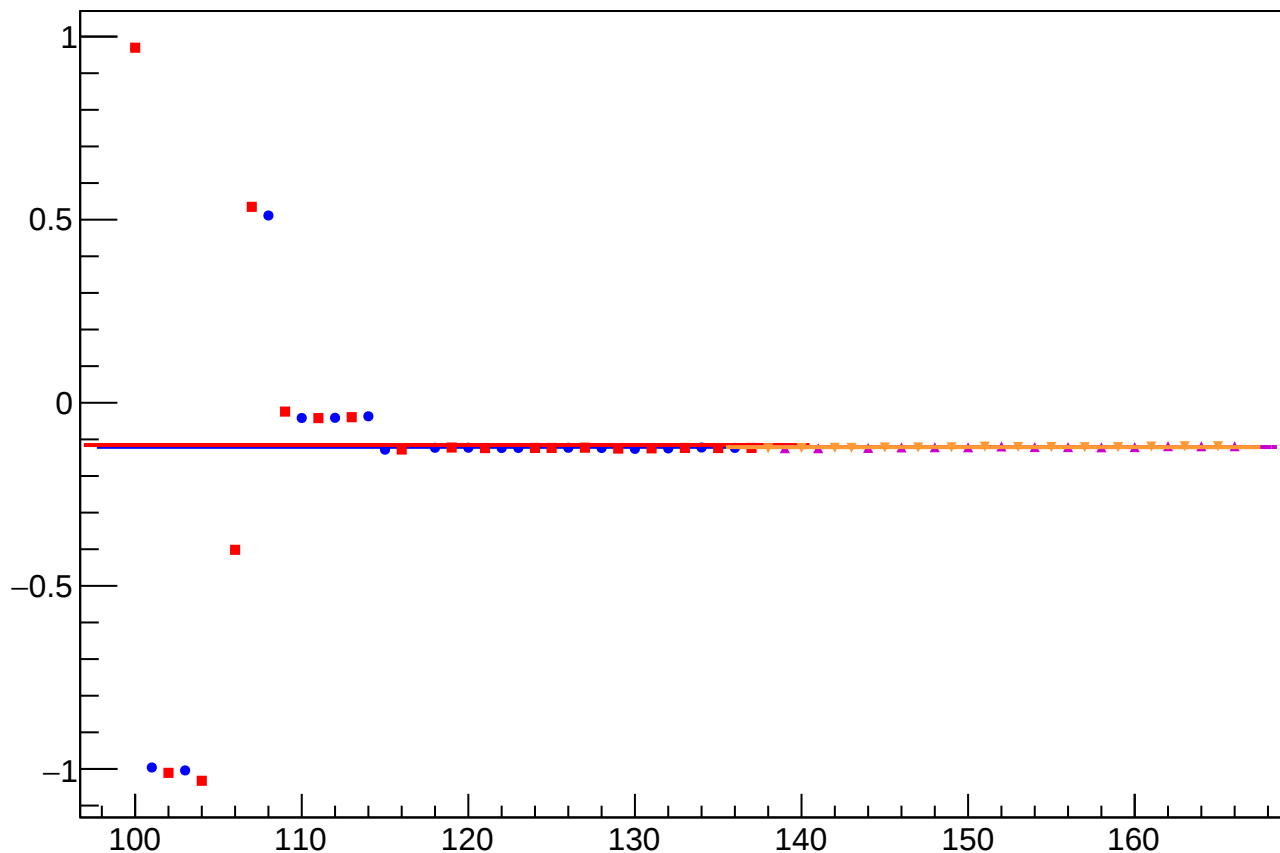
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4945998.5/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF:2446342.1/30

Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3508499.5/33

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5957271.8/64

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000

χ^2/NDF : 3932144335.2/16

Left Out: -0.121+/-0.000

χ^2/NDF : 25095570.4/14

Right Out: -0.115+/-0.000

χ^2/NDF : 2456843337.8/18

Left In: -0.121+/-0.000

χ^2/NDF : 28135898.8/13

Left: -0.121+/-0.000

χ^2/NDF : 53428172.6/28

Right: -0.118+/-0.000

χ^2/NDF : 6411653427.4/35

In: -0.121+/-0.000

χ^2/NDF : 3960819386.2/30

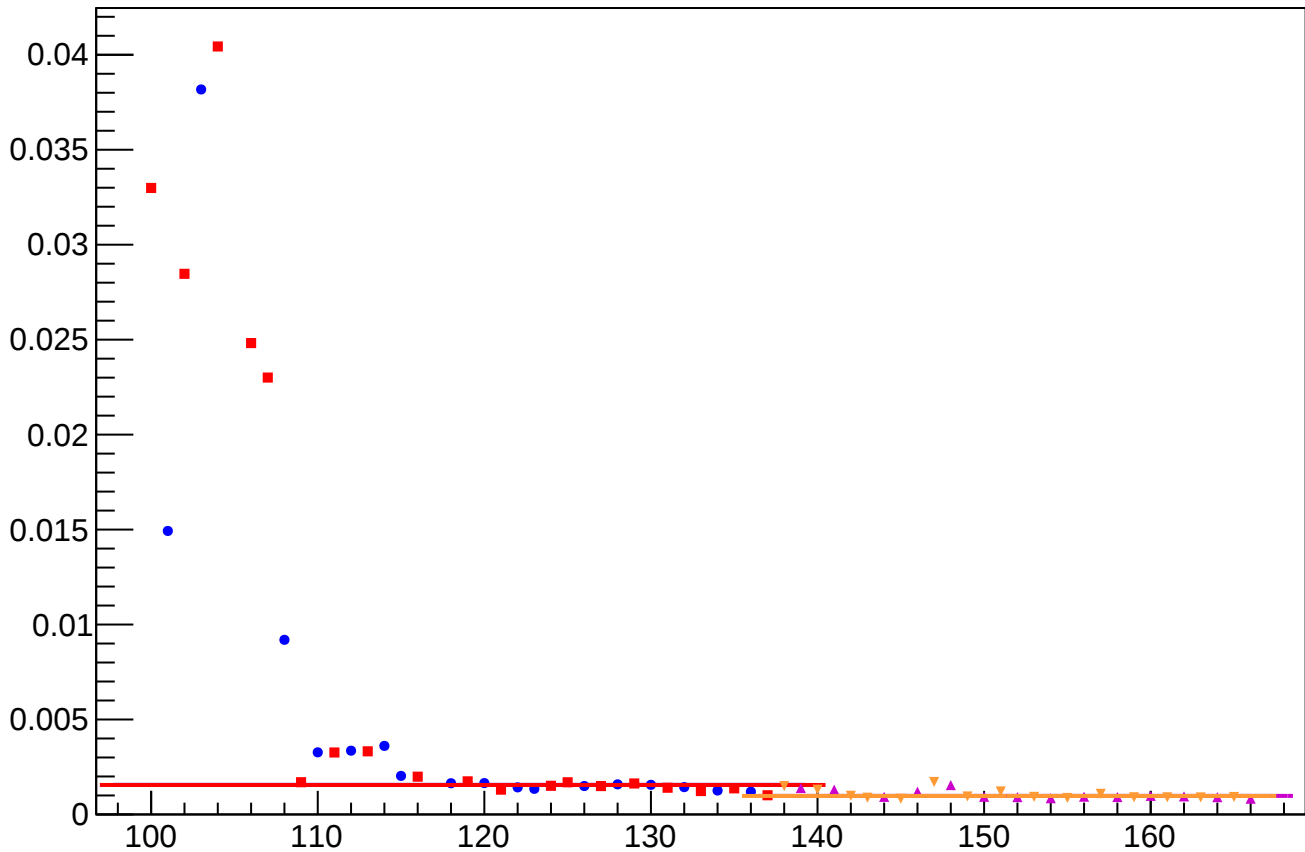
Out: -0.120+/-0.000

χ^2/NDF : 2533851002.8/33

All: -0.121+/-0.000

χ^2/NDF : 6496670748.0/6

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 716060.4/14

Right Out: 0.002+/-0.000 χ^2/NDF : 3539455.6/18

Left In: 0.001+/-0.000 χ^2/NDF : 563661.7/13

Left: 0.001+/-0.000 χ^2/NDF : 1279919.2/28

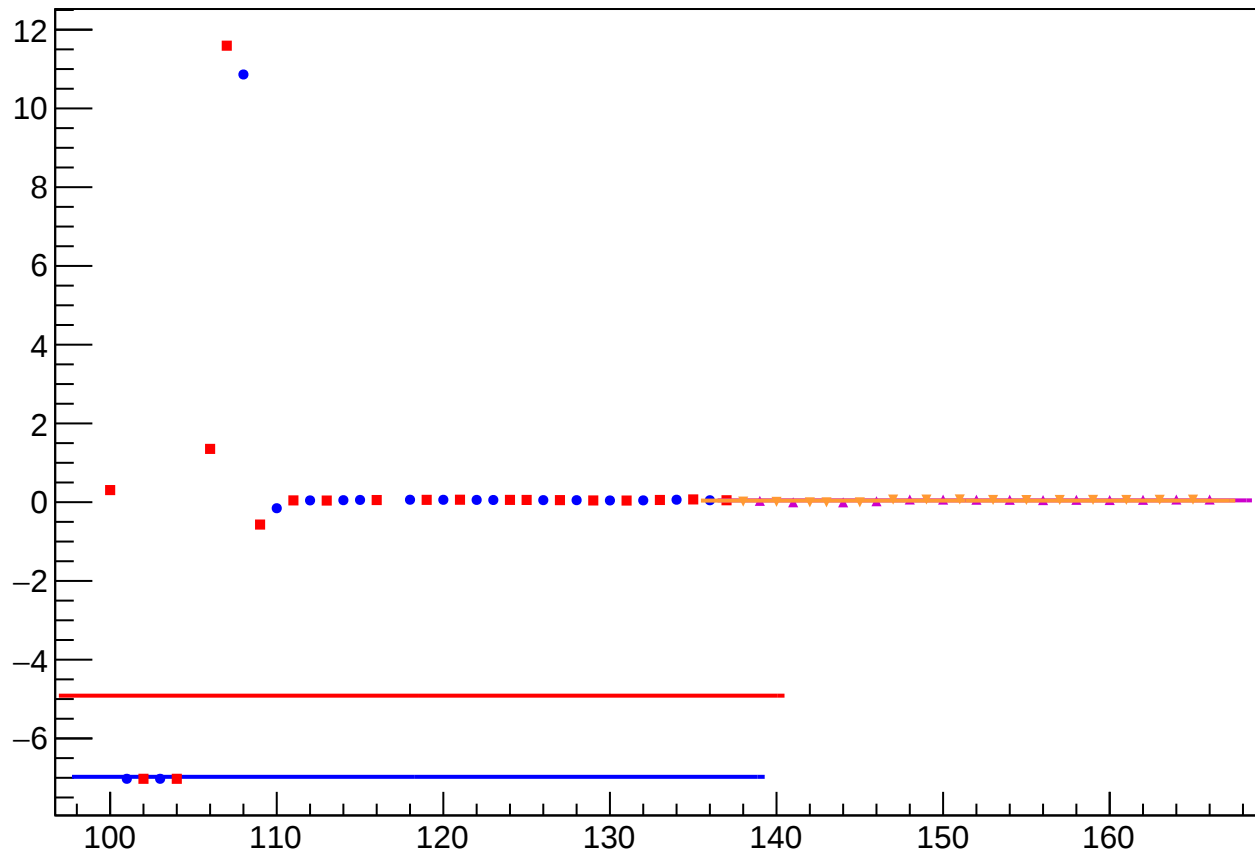
Right: 0.002+/-0.000 χ^2/NDF : 6440590.7/35

In: 0.001+/-0.000 χ^2/NDF : 4532629.7/30

Out: 0.001+/-0.000 χ^2/NDF : 5332803.5/33

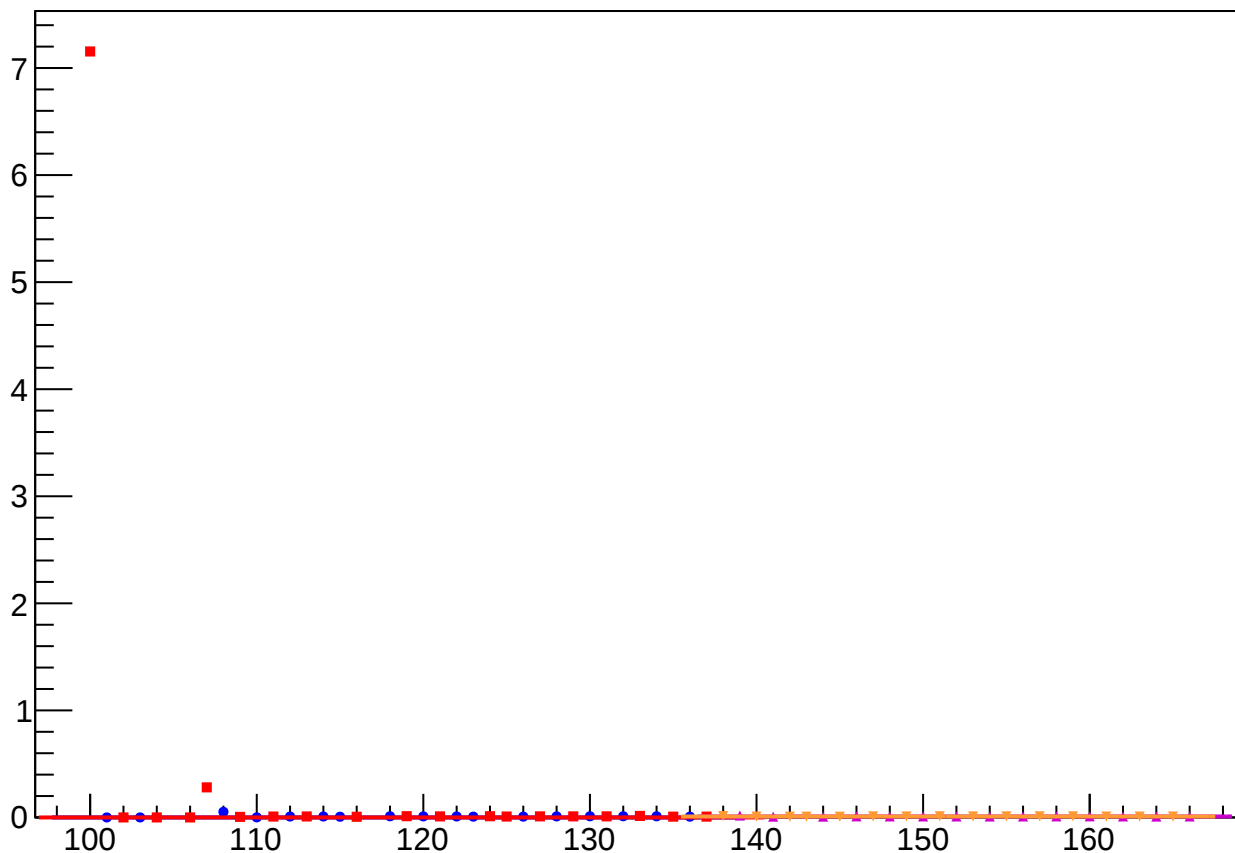
All: 0.001+/-0.000 χ^2/NDF : 9865863.1/64

yield_cav4dX_mean vs Slug, Sign Corrected



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: 0.046+/-0.000 χ^2/NDF : 73308407.2/13
 Left: 0.043+/-0.000 χ^2/NDF : 166522898.8/28
 Right: -5.900+/-0.000 χ^2/NDF : 430307691650468.6
 In: -6.947+/-0.000 χ^2/NDF : 13674314985761.1/30
 Out: -4.894+/-0.000 χ^2/NDF : 368001299534113.1/17
 All: -5.877+/-0.000 χ^2/NDF : 4376395090101.1/101

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 413262.9/14

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009+/-0.000 χ^2/NDF : 515104.0/13

Left: 0.009+/-0.000 χ^2/NDF : 938168.2/28

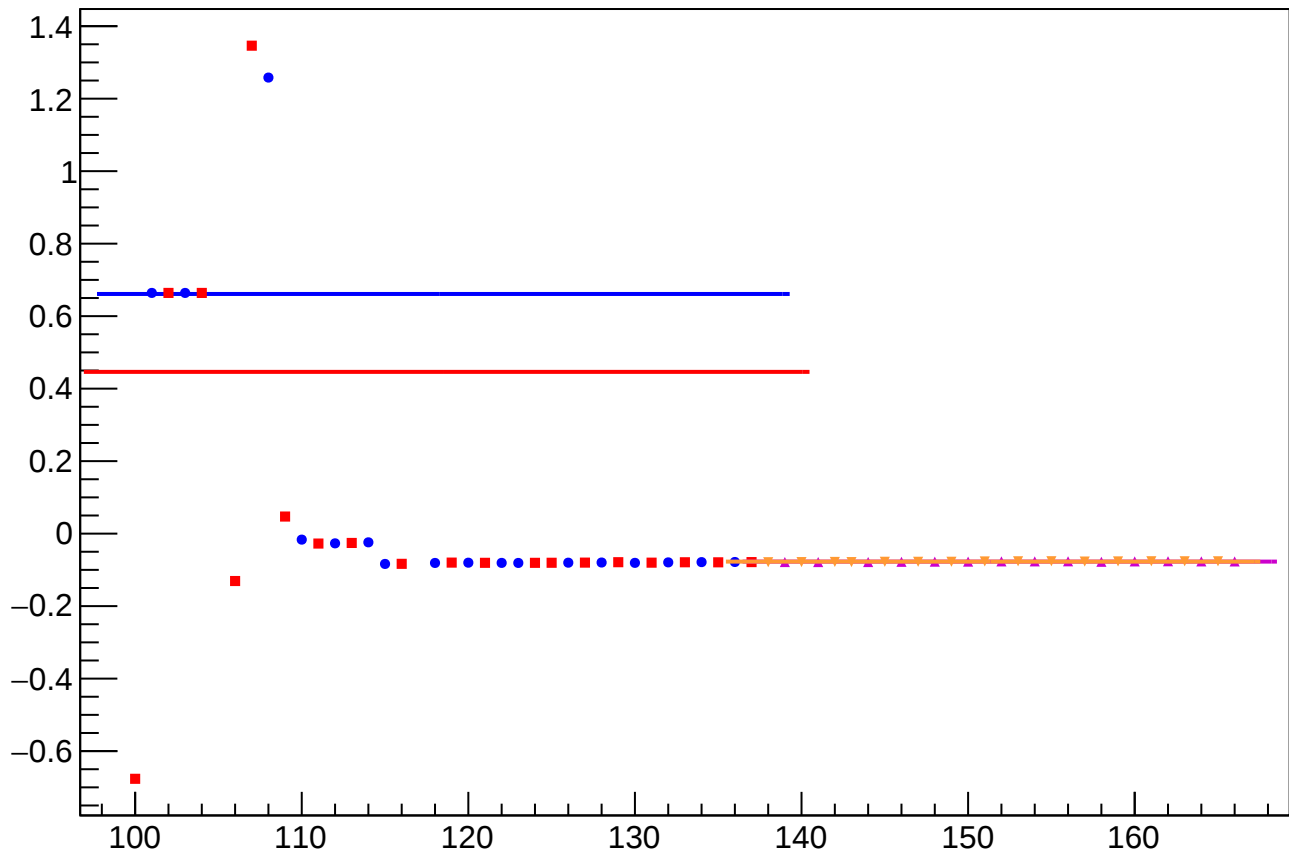
Right: 0.000+/-0.000 χ^2/NDF : 17018999.2/35

In: 0.000+/-0.000 χ^2/NDF : 25448131.3/30

Out: 0.000+/-0.000 χ^2/NDF : 26005335.1/33

All: 0.000+/-0.000 χ^2/NDF : 51454103.2/64

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661 $\pm$ 0.000

χ^2/NDF : 5607525081216.0/16

Left: -0.077 $\pm$ 0.000

χ^2/NDF : 47416401.9/28

Left Out: -0.077 $\pm$ 0.000

χ^2/NDF : 27416183.0/14

Right: 0.549 $\pm$ 0.000

χ^2/NDF : 473947475230218.3

Right Out: 0.446 $\pm$ 0.000

χ^2/NDF : 405416924315199.0/18

In: 0.652 $\pm$ 0.000

χ^2/NDF : 22572289042129.9/30

Out: 0.440 $\pm$ 0.000

χ^2/NDF : 414117322845023.6/3

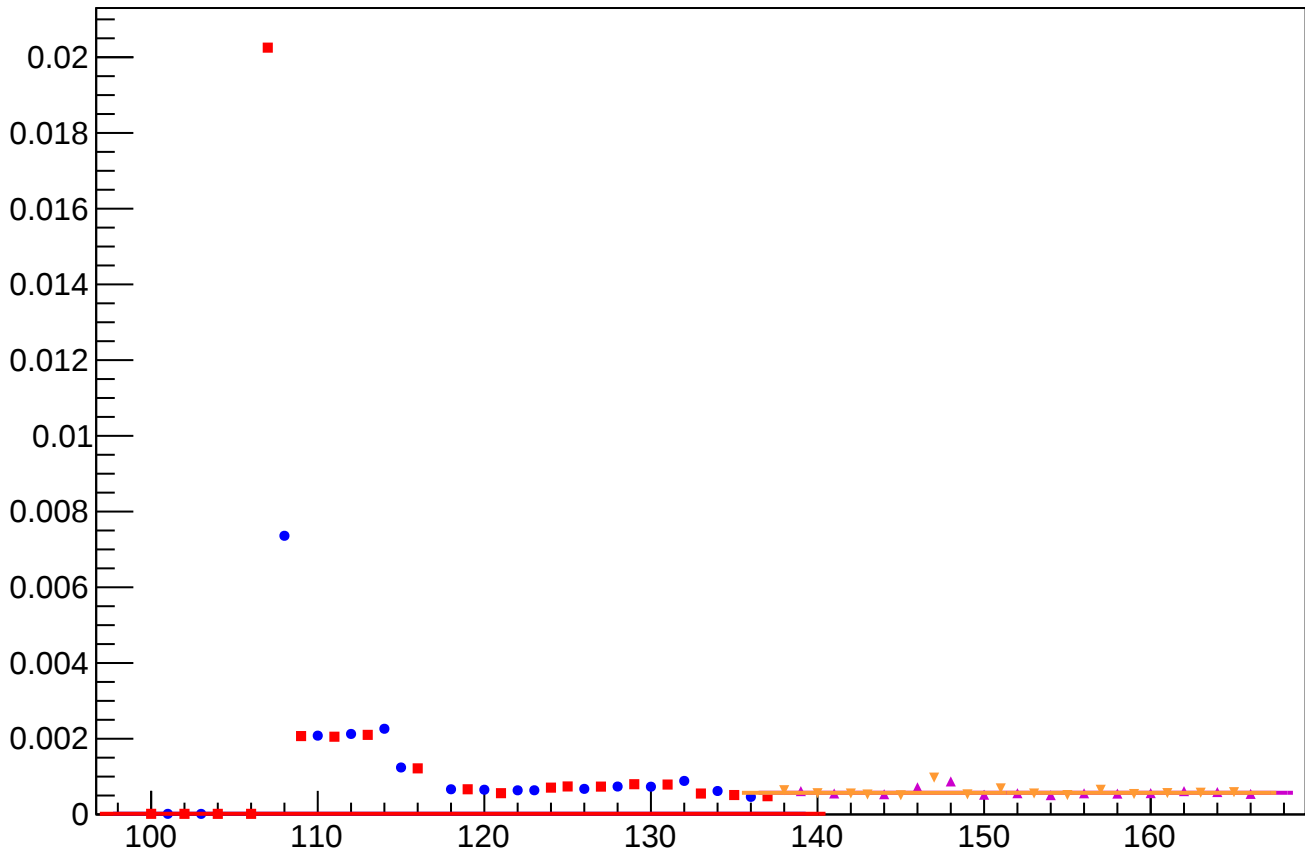
Left In: -0.077 $\pm$ 0.000

χ^2/NDF : 19999985.9/13

All: 0.542 $\pm$ 0.000

χ^2/NDF : 49858948897257

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 407969.9/14

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

Left In: 0.001+/-0.000 χ^2/NDF : 315692.9/13

Left: 0.001+/-0.000 χ^2/NDF : 723690.5/28

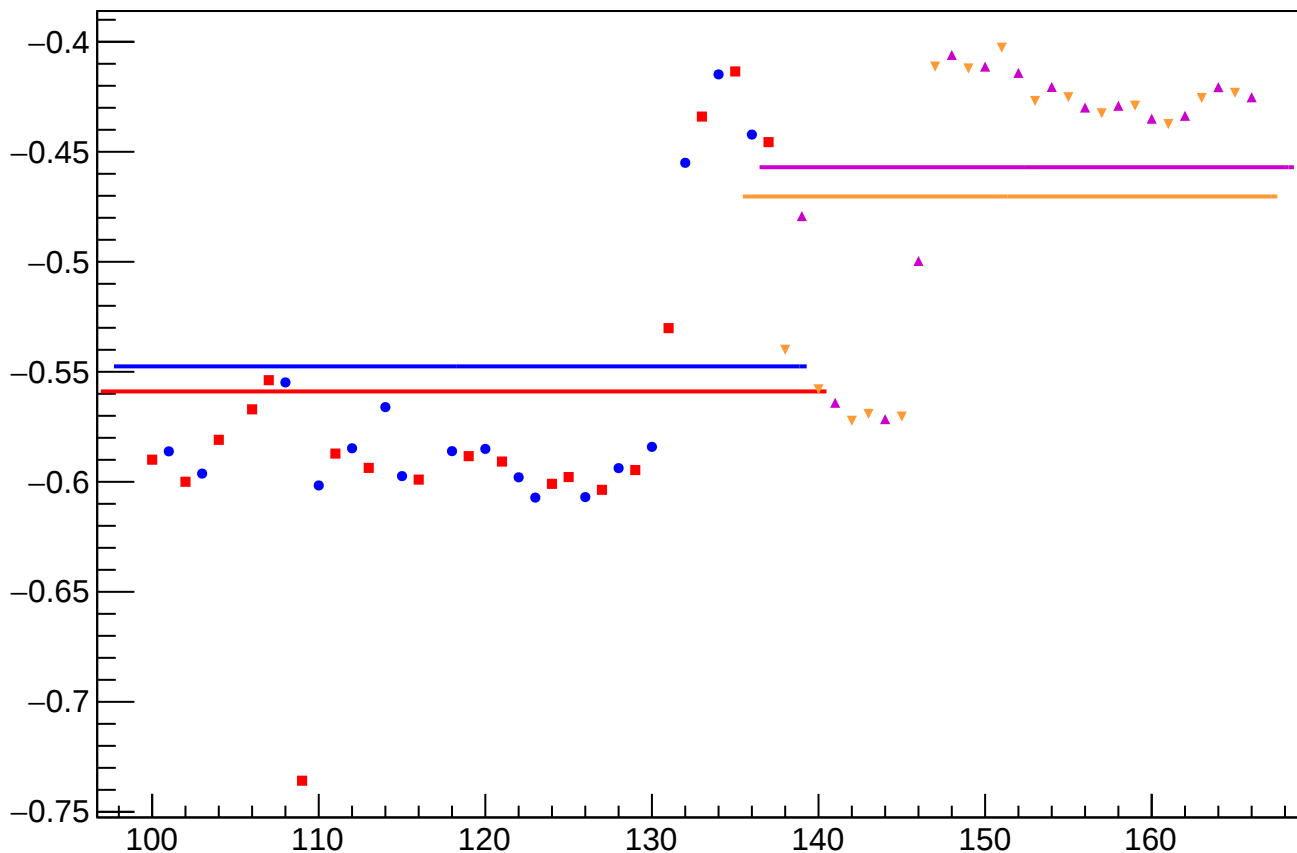
Right: 0.000+/-0.000 χ^2/NDF : 19354868.6/35

In: 0.000+/-0.000 χ^2/NDF : 29312189.5/30

Out: 0.000+/-0.000 χ^2/NDF : 29340089.1/33

All: 0.000+/-0.000 χ^2/NDF : 58653001.0/64

yield_bpm4aX_mean vs Slug, Sign Corrected



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: -0.457+/-0.000 χ^2/NDF : 72559064.4/13

Left: -0.464+/-0.000 χ^2/NDF : 174233753.3/28

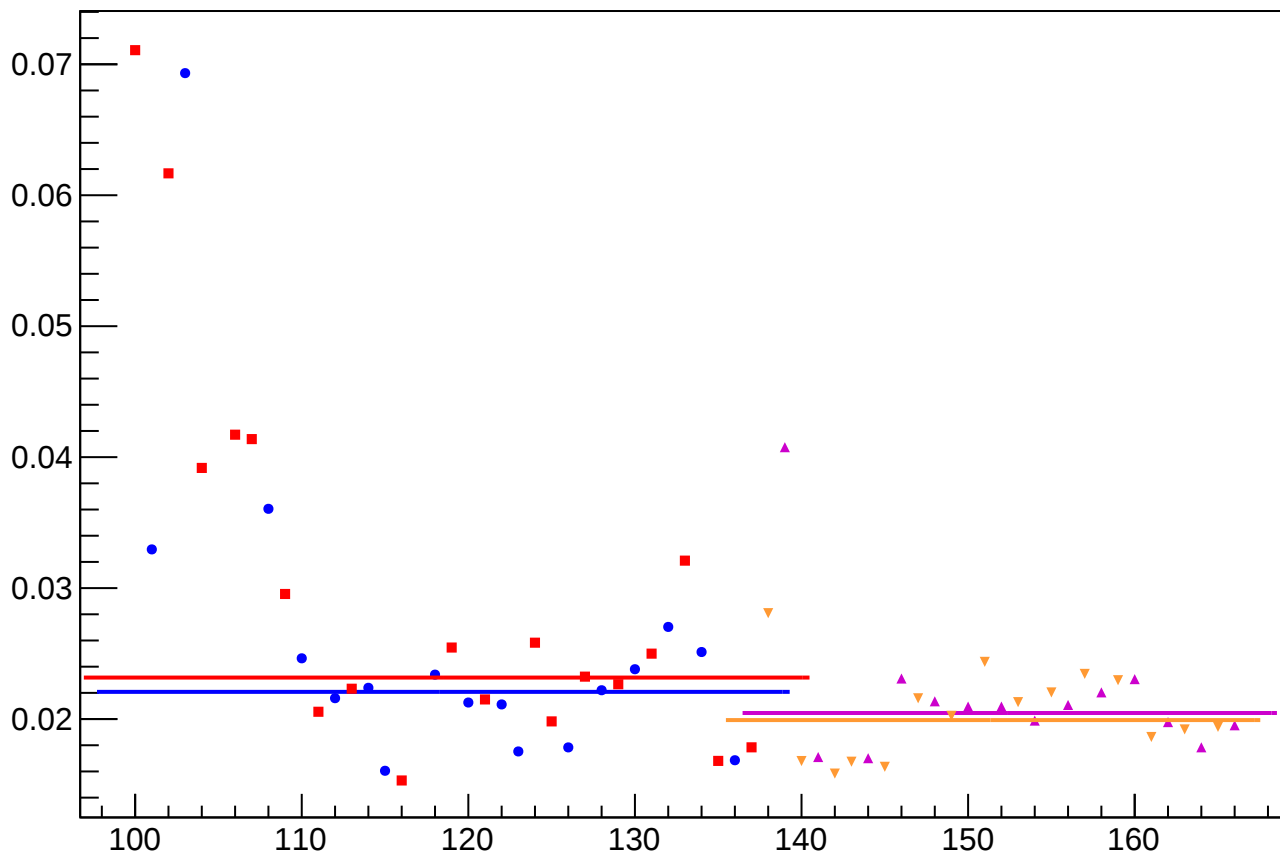
Right: -0.553+/-0.000 χ^2/NDF : 114532950.1/35

In: -0.487+/-0.000 χ^2/NDF : 177665491.5/30

Out: -0.498+/-0.000 χ^2/NDF : 218801583.8/33

All: -0.493+/-0.000 χ^2/NDF : 398247709.3/64

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 393105.0/14

Right Out: 0.023+/-0.000 χ^2/NDF : 1156758.3/18

Left In: 0.020+/-0.000 χ^2/NDF : 525340.6/13

Left: 0.020+/-0.000 χ^2/NDF : 924721.8/28

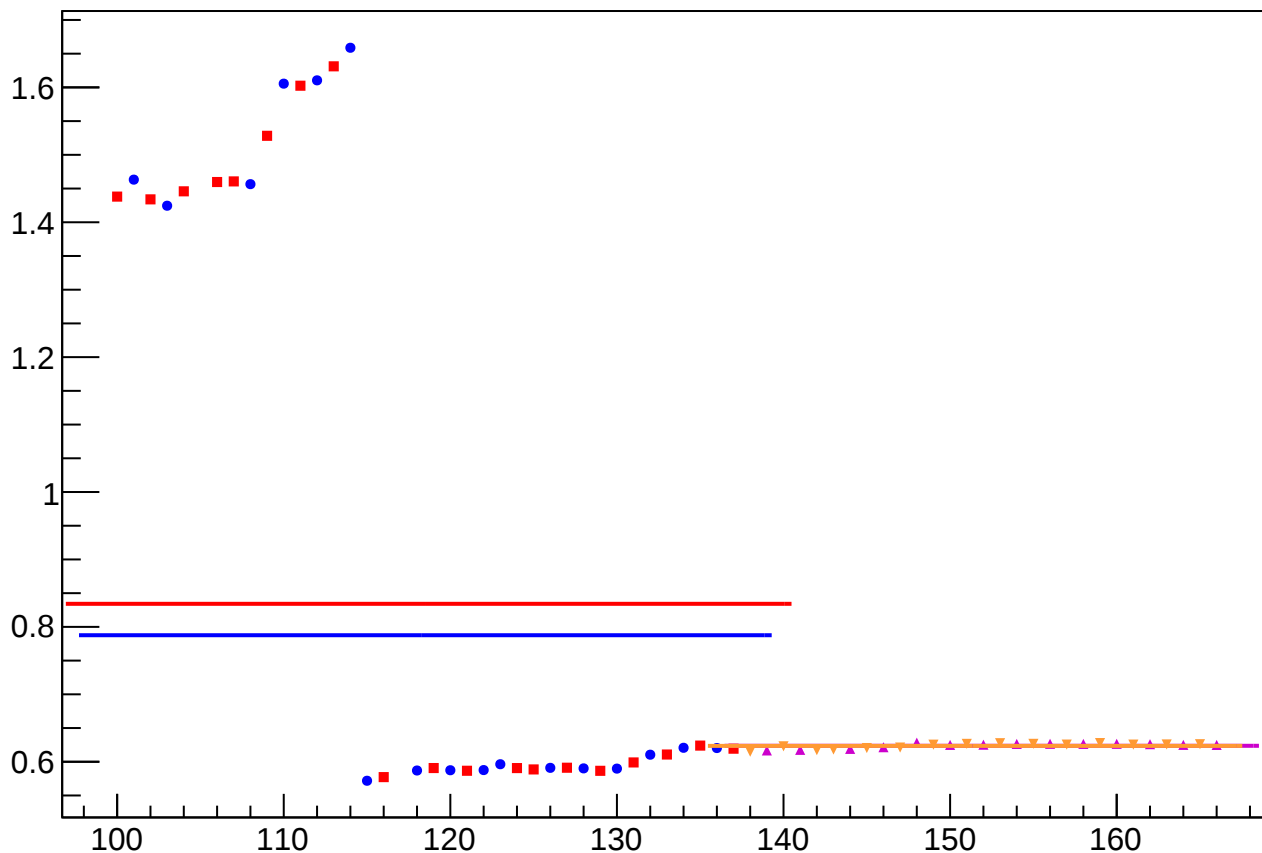
Right: 0.023+/-0.000 χ^2/NDF : 2123609.7/35

In: 0.021+/-0.000 χ^2/NDF : 1516067.8/30

Out: 0.021+/-0.000 χ^2/NDF : 1694103.3/33

All: 0.021+/-0.000 χ^2/NDF : 3210336.6/64

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788+/-0.000

χ^2/NDF : 3581400502.4/16

Left Out: 0.624+/-0.000

χ^2/NDF :1039613.3/14

Right Out: 0.834+/-0.000

χ^2/NDF : 4152115639.4/18

Left In: 0.624+/-0.000

χ^2/NDF :874280.1/13

Left: 0.624+/-0.000

χ^2/NDF : 1914485.8/28

Right: 0.811+/-0.000

χ^2/NDF : 7764167044.9/35

In: 0.673+/-0.000

χ^2/NDF :4120485962.8/30

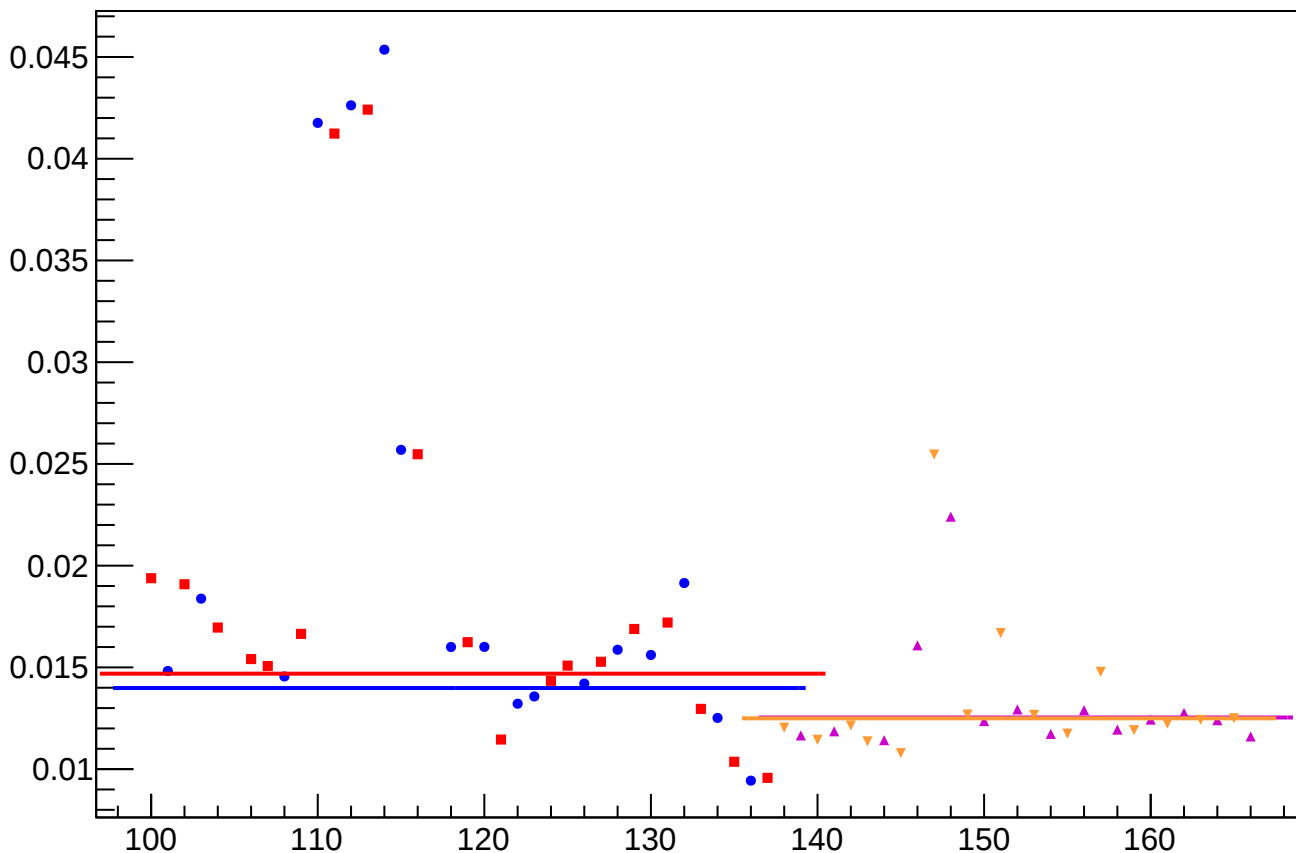
Out: 0.685+/-0.000

χ^2/NDF :5026650823.9/33

All: 0.679+/-0.000

χ^2/NDF : 9153781238.8/64

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012+/-0.000 χ^2/NDF : 588380.5/14

Right Out: 0.015+/-0.000 χ^2/NDF : 1258511.3/18

Left In: 0.013+/-0.000 χ^2/NDF : 417343.3/13

Left: 0.013+/-0.000 χ^2/NDF : 1005833.6/28

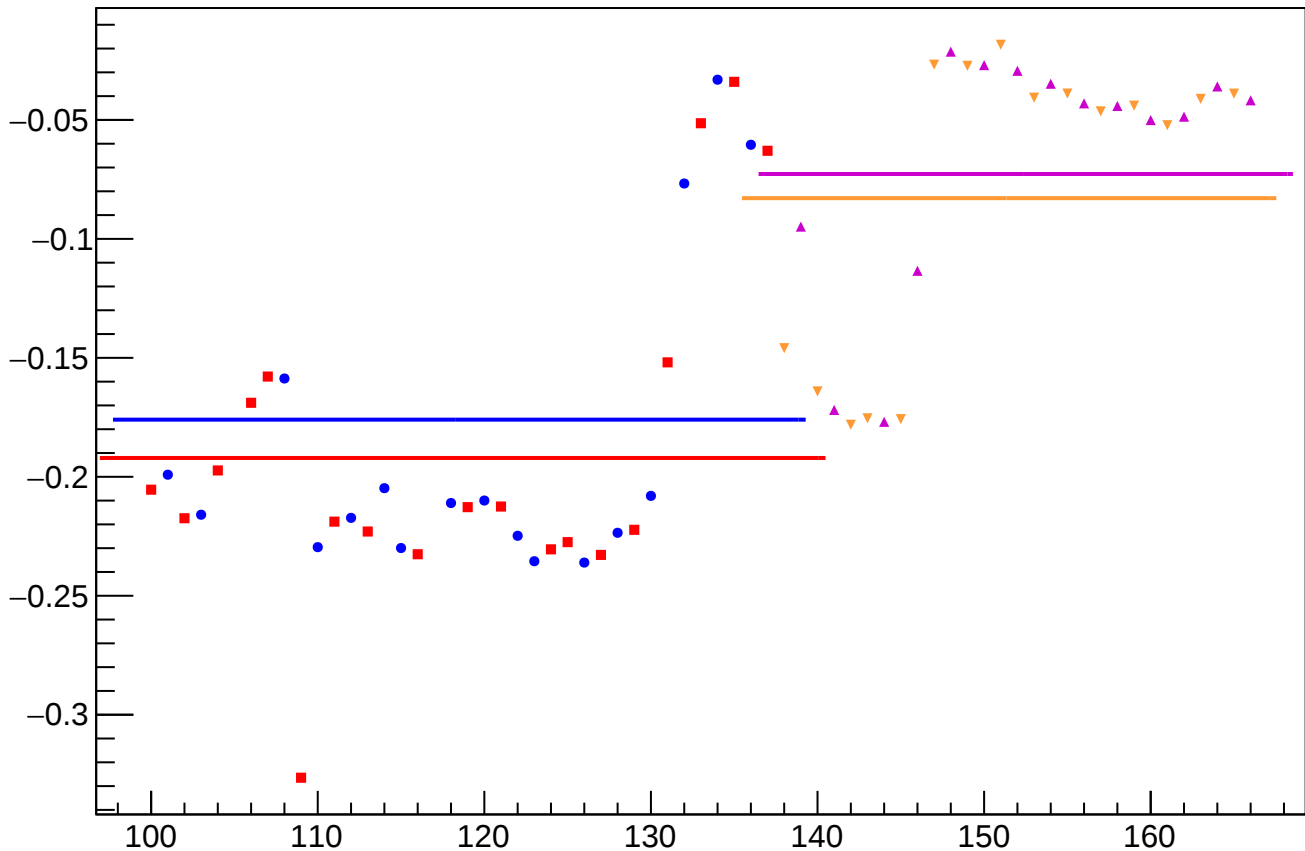
Right: 0.014+/-0.000 χ^2/NDF : 2671110.0/35

In: 0.013+/-0.000 χ^2/NDF : 1899784.7/30

Out: 0.013+/-0.000 χ^2/NDF : 2036472.0/33

All: 0.013+/-0.000 χ^2/NDF : 3938775.6/64

yield_bpm4eX_mean vs Slug, Sign Corrected



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: -0.073+/-0.000 χ^2/NDF : 72856129.3/13

Left: -0.078+/-0.000 χ^2/NDF : 169494991.4/28

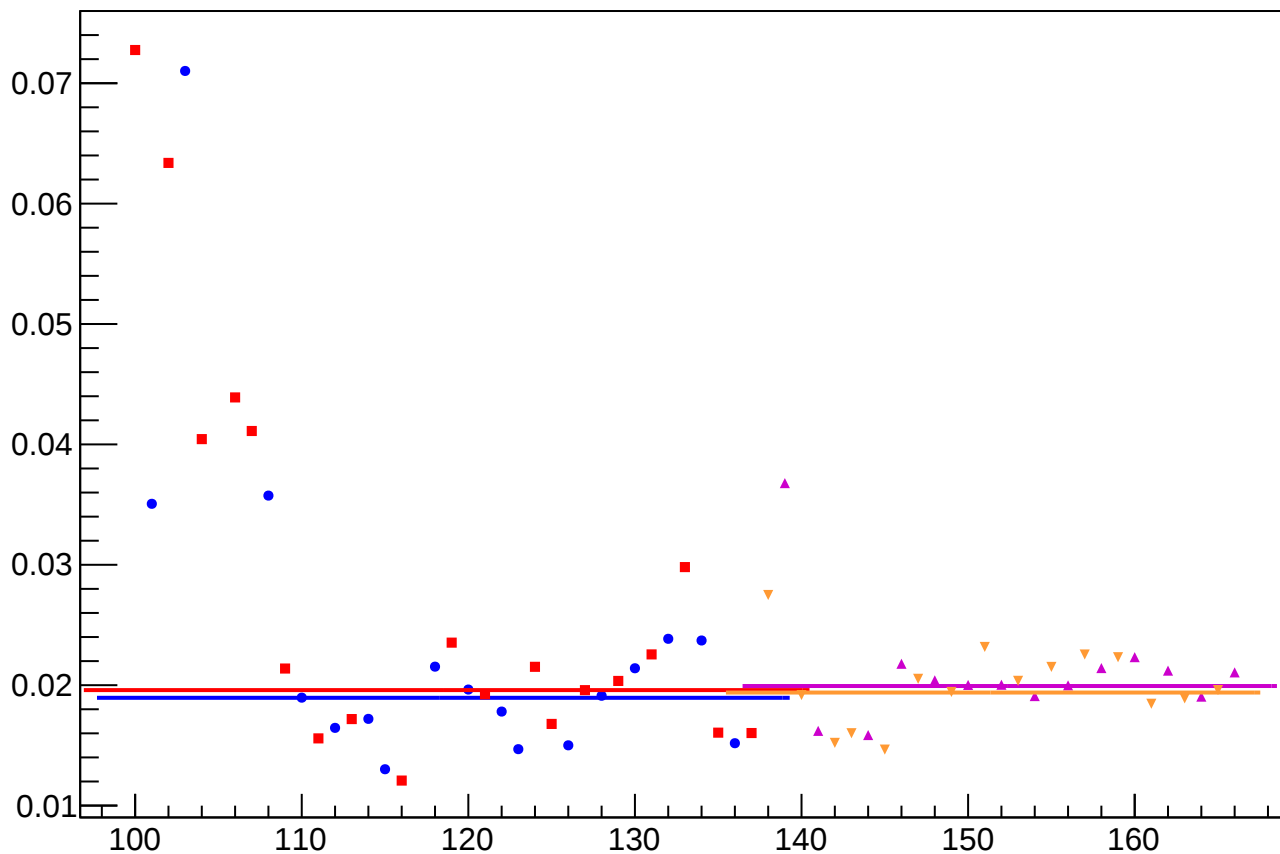
Right: -0.184+/-0.000 χ^2/NDF : 155143425.4/35

In: -0.112+/-0.000 χ^2/NDF : 233415258.8/30

Out: -0.123+/-0.000 χ^2/NDF : 281116257.3/33

All: -0.118+/-0.000 χ^2/NDF : 516442636.0/64

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 417052.7/14

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

Left In: 0.020+/-0.000 χ^2/NDF : 493132.0/13

Left: 0.020+/-0.000 χ^2/NDF : 916879.9/28

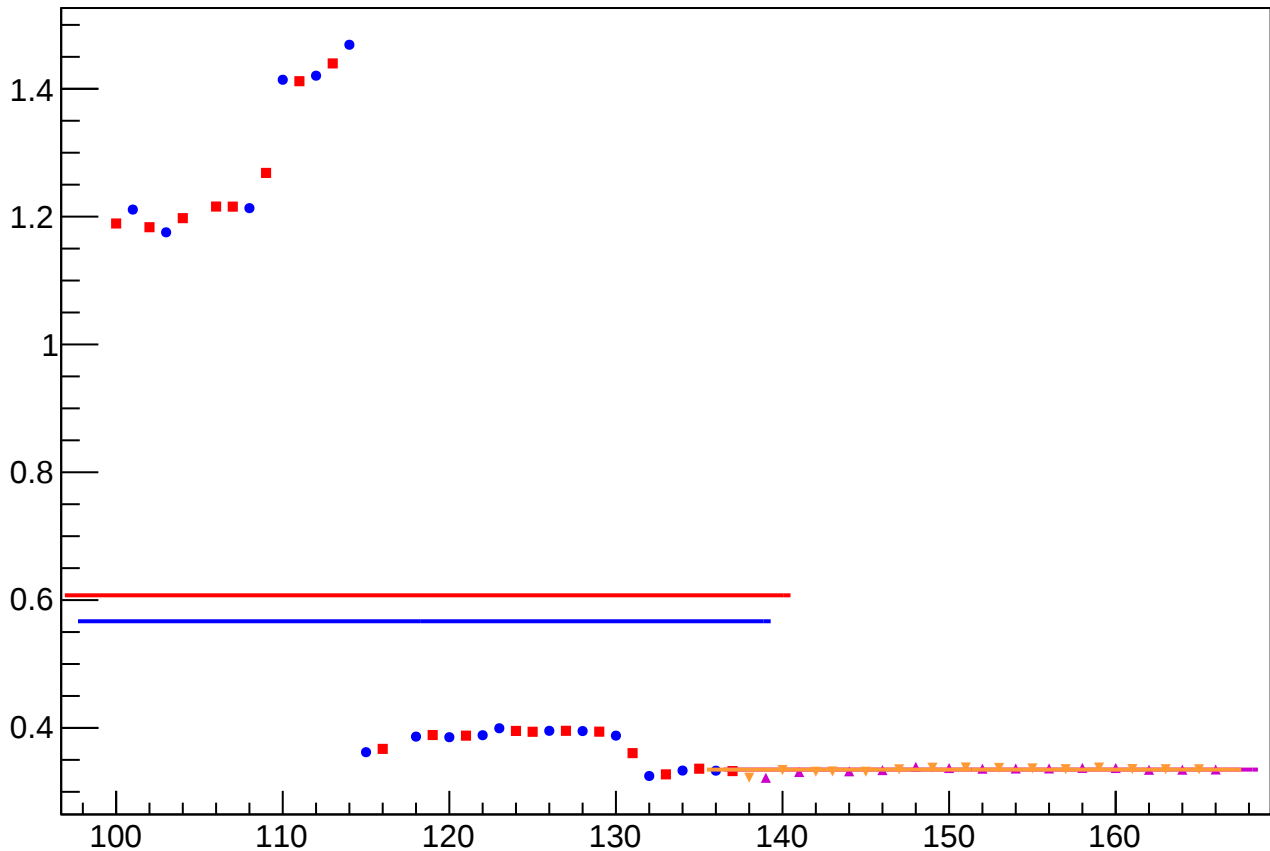
Right: 0.019+/-0.000 χ^2/NDF : 2664188.0/35

In: 0.020+/-0.000 χ^2/NDF : 1712651.1/30

Out: 0.019+/-0.000 χ^2/NDF : 1873089.3/33

All: 0.020+/-0.000 χ^2/NDF : 3586048.4/64

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF: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:1151098.7/13

Left: 0.335 $\pm$ 0.000 χ^2 /NDF: 2220168.2/28

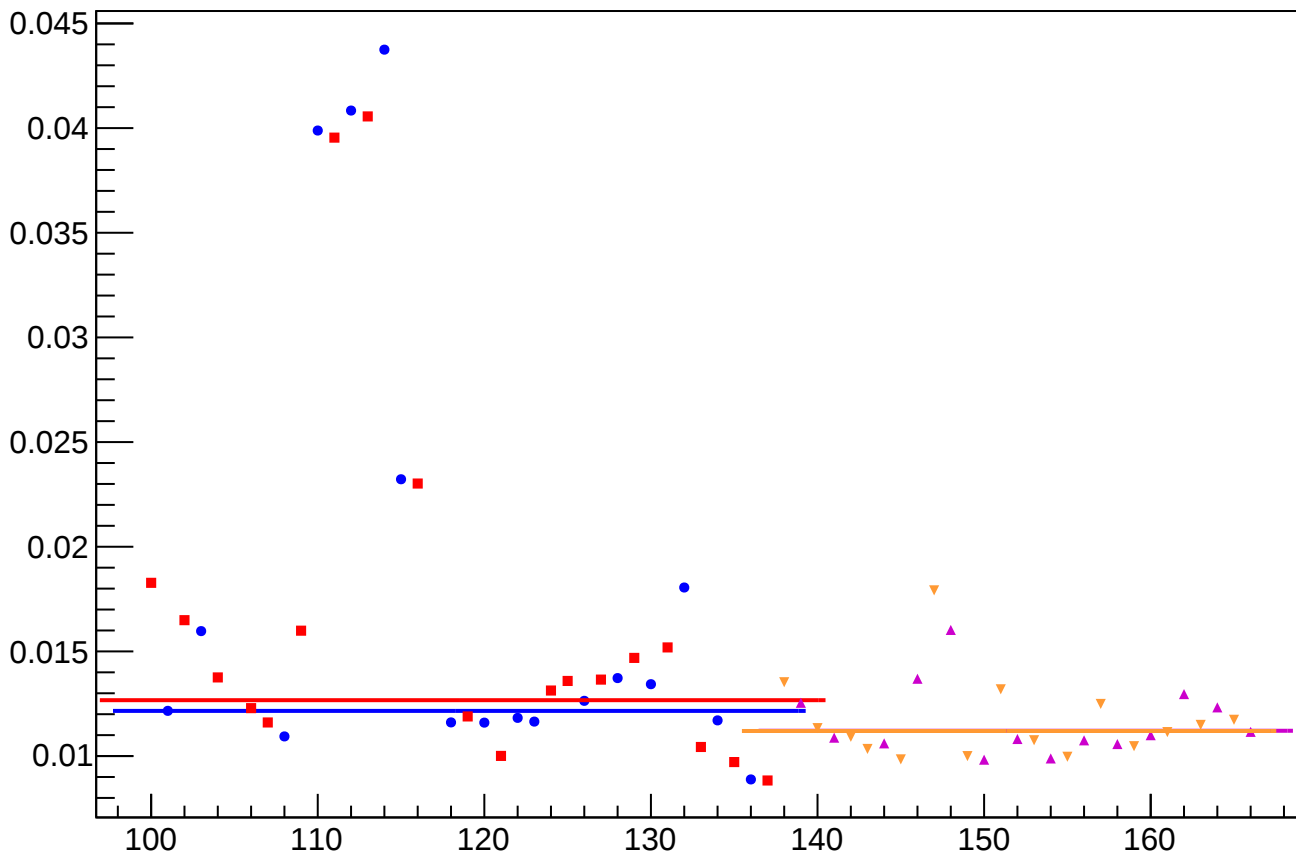
Right: 0.587 $\pm$ 0.000 χ^2 /NDF: 10552855690.4/35

In: 0.408 $\pm$ 0.000 χ^2 /NDF:6415070117.6/30

Out: 0.418 $\pm$ 0.000 χ^2 /NDF:7402569978.5/33

All: 0.413 $\pm$ 0.000 χ^2 /NDF: 13823362202.2/66

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 398637.0/14

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1267219.4/18

Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 321521.8/13

Left: 0.011 $\pm$ 0.000 χ^2/NDF : 720168.3/28

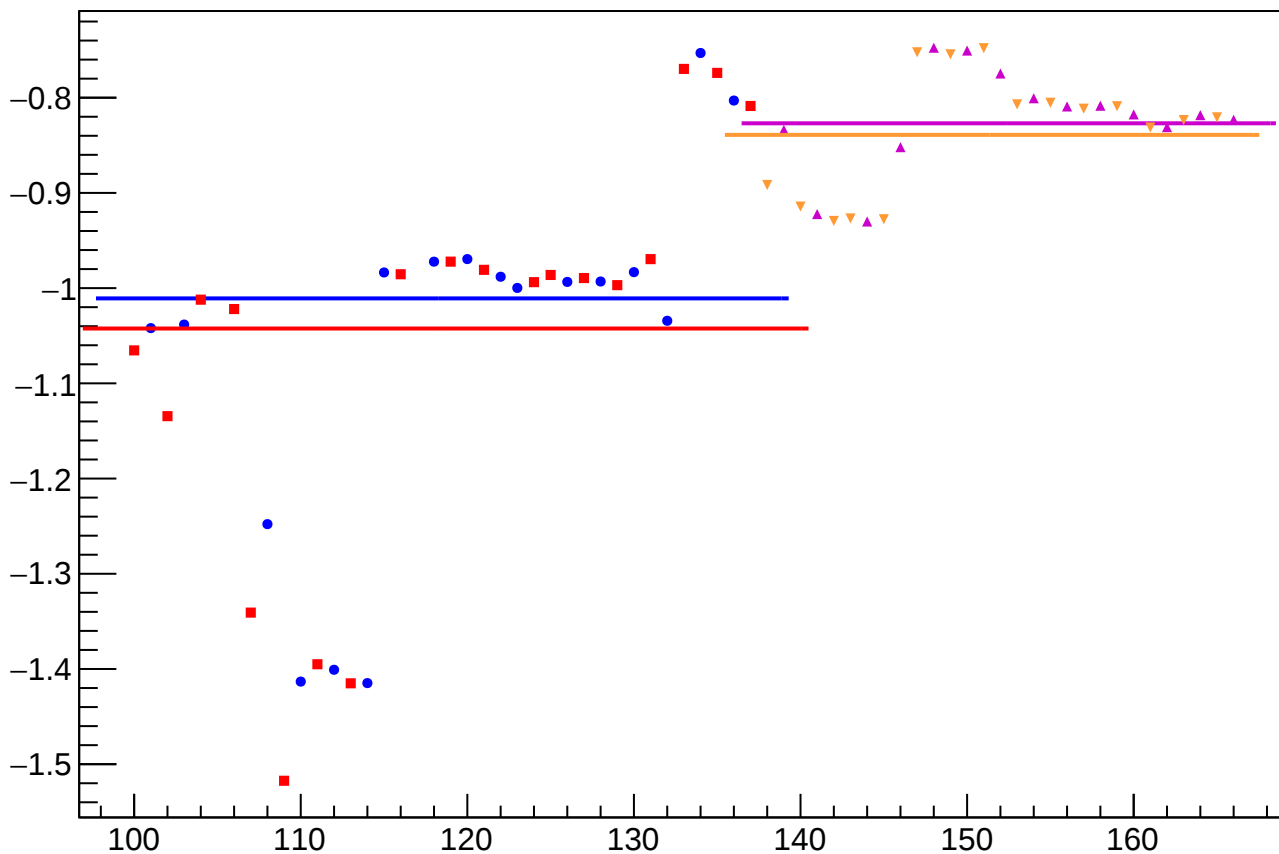
Right: 0.012 $\pm$ 0.000 χ^2/NDF : 2584926.4/35

In: 0.012 $\pm$ 0.000 χ^2/NDF : 1676198.0/30

Out: 0.012 $\pm$ 0.000 χ^2/NDF : 1776288.4/33

All: 0.012 $\pm$ 0.000 χ^2/NDF : 3454767.8/64

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011 ± 0.000 $\chi^2/\text{NDF}: 387140230.3/16$

Left Out: -0.839 ± 0.000 $\chi^2/\text{NDF}: 92753793.8/14$

Right Out: -1.042 ± 0.000 $\chi^2/\text{NDF}: 528958824.5/18$

Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 70172114.0/13$

Left: -0.833 ± 0.000 $\chi^2/\text{NDF}: 164588285.5/28$

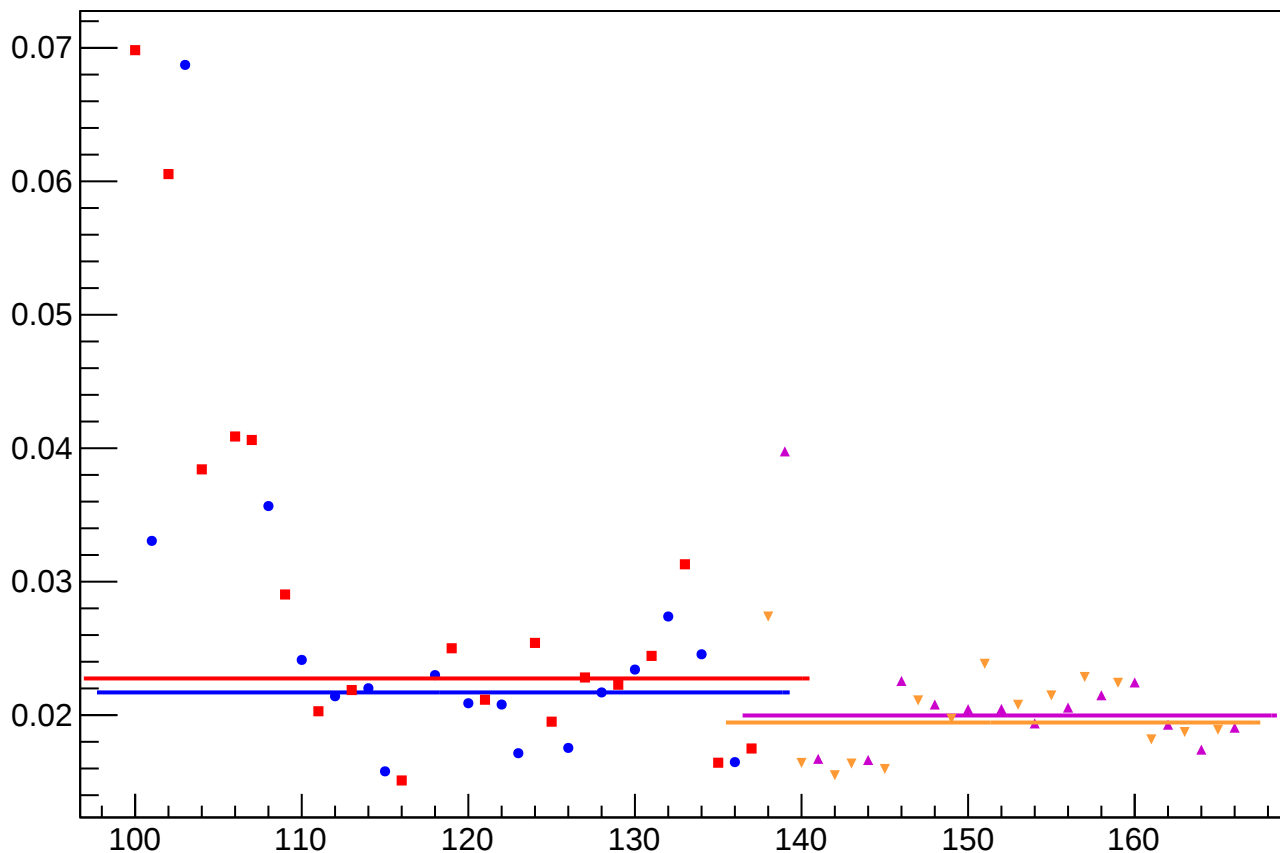
Right: -1.026 ± 0.000 $\chi^2/\text{NDF}: 921337924.7/35$

In: -0.887 ± 0.000 $\chi^2/\text{NDF}: 699824925.9/30$

Out: -0.901 ± 0.000 $\chi^2/\text{NDF}: 915794246.2/33$

All: -0.895 ± 0.000 $\chi^2/\text{NDF}: 1618857574.9/6$

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 391373.2/14

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

Left In: 0.020+/-0.000 χ^2/NDF : 522241.0/13

Left: 0.020+/-0.000 χ^2/NDF : 919868.3/28

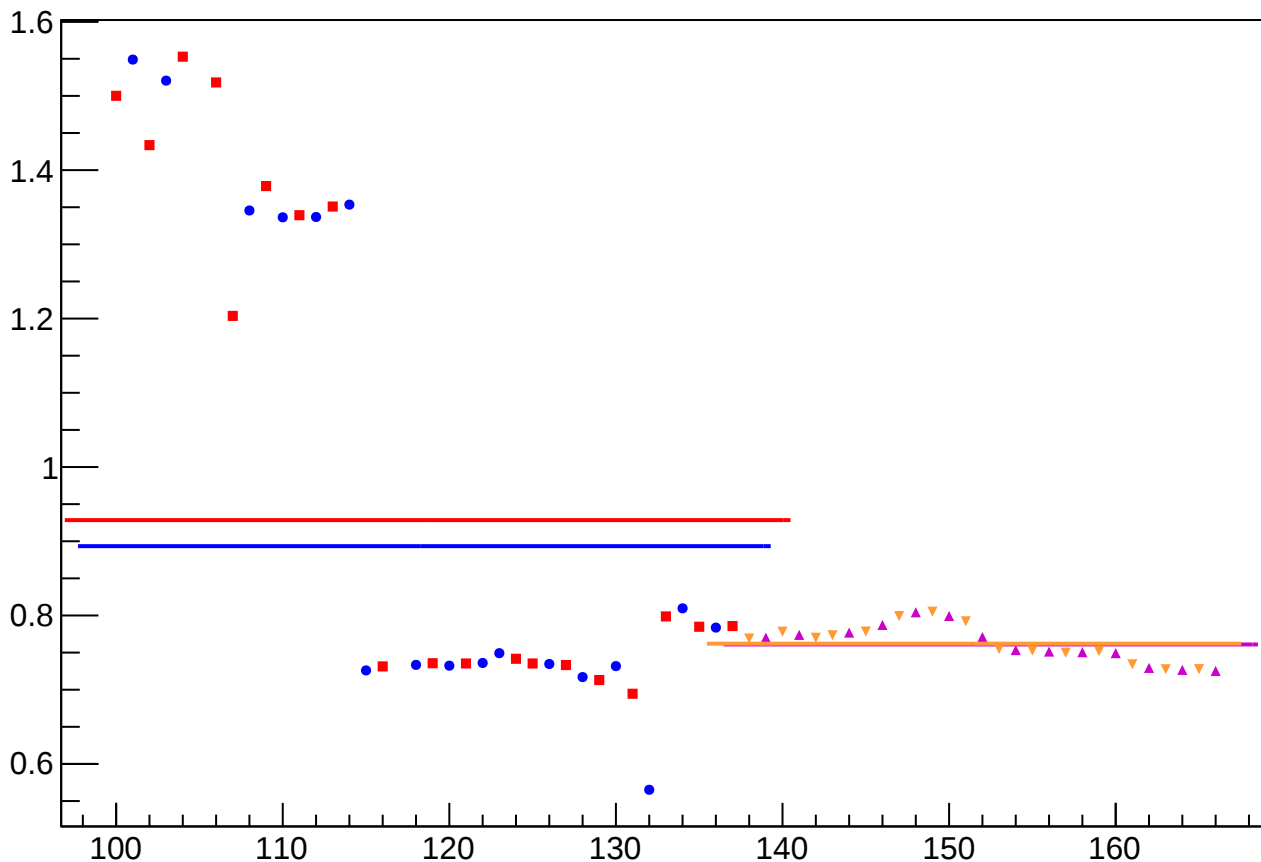
Right: 0.022+/-0.000 χ^2/NDF : 2143091.8/35

In: 0.021+/-0.000 χ^2/NDF : 1544331.9/30

Out: 0.020+/-0.000 χ^2/NDF : 1698735.0/33

All: 0.021+/-0.000 χ^2/NDF : 3243295.9/64

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893 $\pm$ 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.762 $\pm$ 0.000 χ^2/NDF : 33555811.9/14

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2435640156.0/18

Left In: 0.761 $\pm$ 0.000 χ^2/NDF : 32516732.4/13

Left: 0.761 $\pm$ 0.000 χ^2/NDF : 66111019.0/28

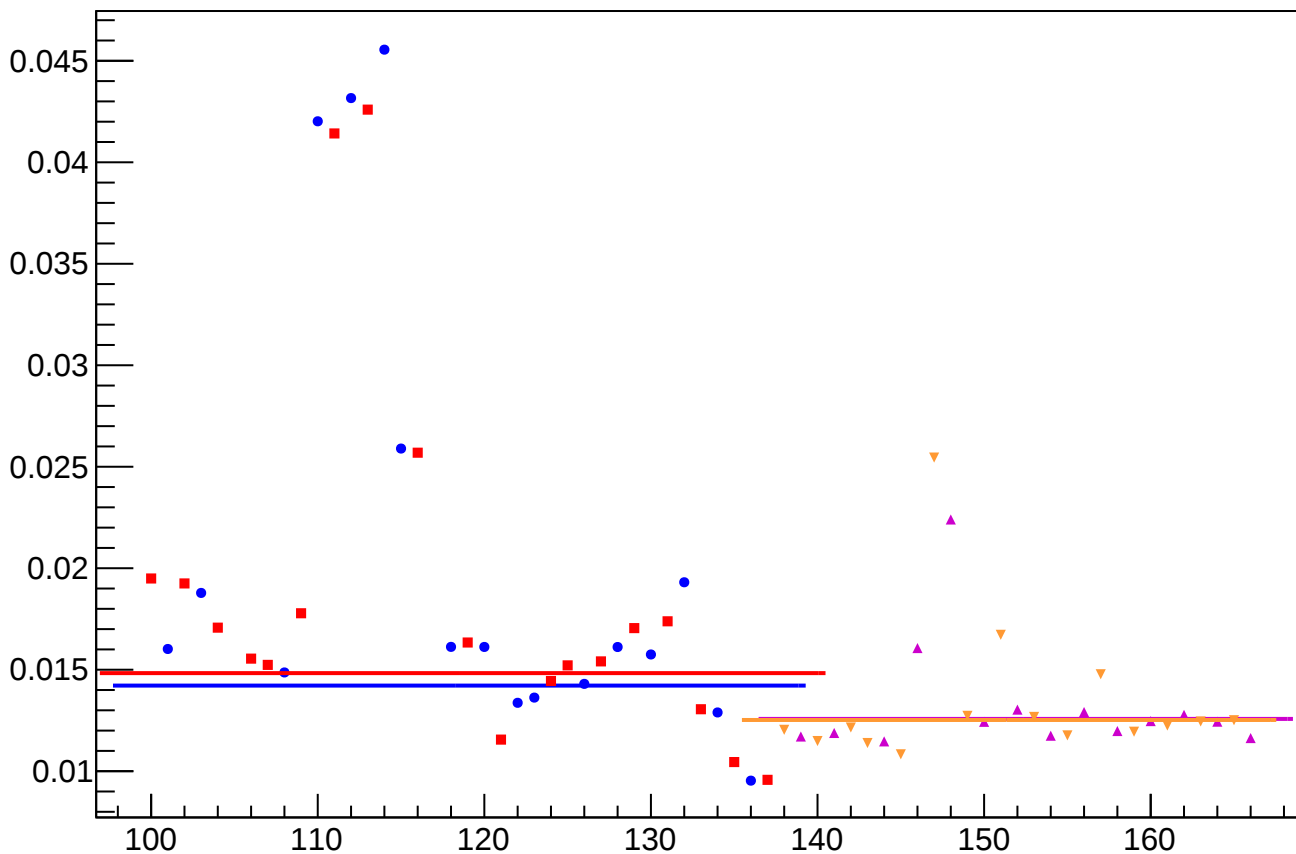
Right: 0.911 $\pm$ 0.000 χ^2/NDF : 4860512064.2/35

In: 0.800 $\pm$ 0.000 χ^2/NDF : 2781778781.4/30

Out: 0.810 $\pm$ 0.000 χ^2/NDF : 3004979163.7/33

All: 0.805 $\pm$ 0.000 χ^2/NDF : 5791350354.5/64

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.013+/-0.000 χ^2/NDF :583815.9/14

Right Out: 0.015+/-0.000 χ^2/NDF : 1269559.2/18

Left In: 0.013+/-0.000 χ^2/NDF :413105.6/13

Left: 0.013+/-0.000 χ^2/NDF : 997105.3/28

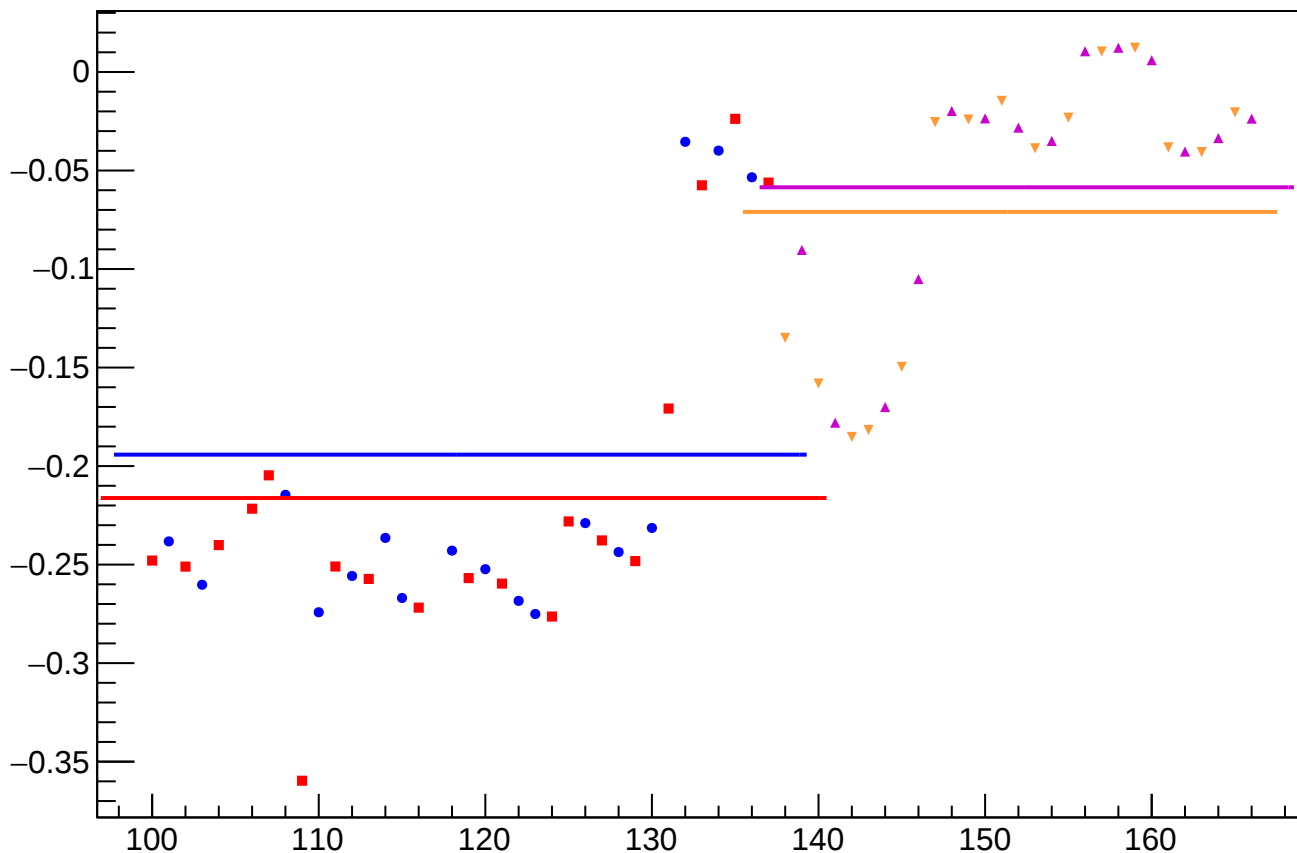
Right: 0.015+/-0.000 χ^2/NDF : 2689500.8/35

In: 0.013+/-0.000 χ^2/NDF :1927535.9/30

Out: 0.013+/-0.000 χ^2/NDF :2059535.0/33

All: 0.013+/-0.000 χ^2/NDF : 3988598.1/64

yield_bpm4ecX_mean vs Slug, Sign Corrected



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: -0.059+/-0.000 χ^2/NDF : 96694987.1/13

Left: -0.065+/-0.000 χ^2/NDF : 211473917.9/28

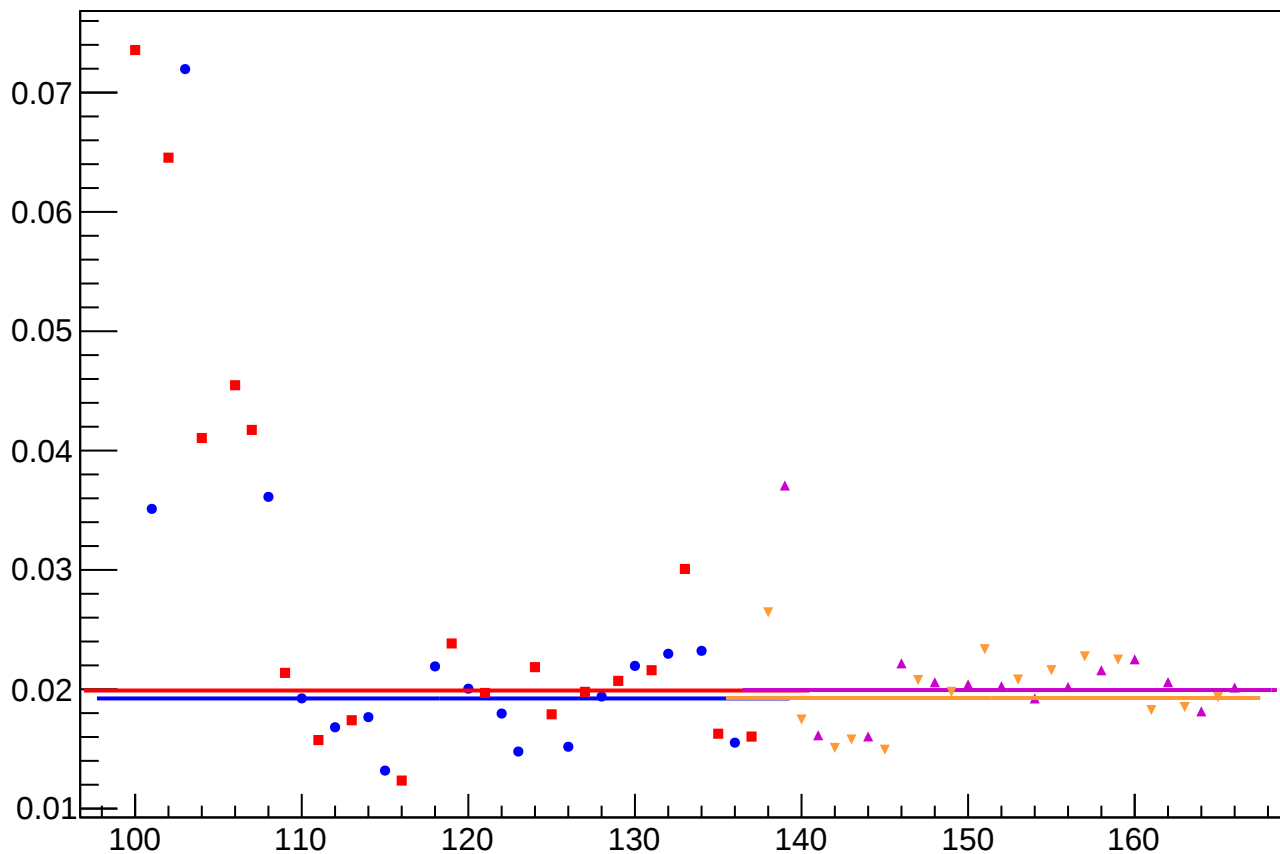
Right: -0.205+/-0.000 χ^2/NDF : 222671892.3/35

In: -0.110+/-0.000 χ^2/NDF : 358237734.5/30

Out: -0.123+/-0.000 χ^2/NDF : 401756173.8/33

All: -0.116+/-0.000 χ^2/NDF : 762863804.8/64

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019+/-0.000 χ^2/NDF : 420442.3/14

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 501253.7/13

Left: 0.020+/-0.000 χ^2/NDF : 931729.0/28

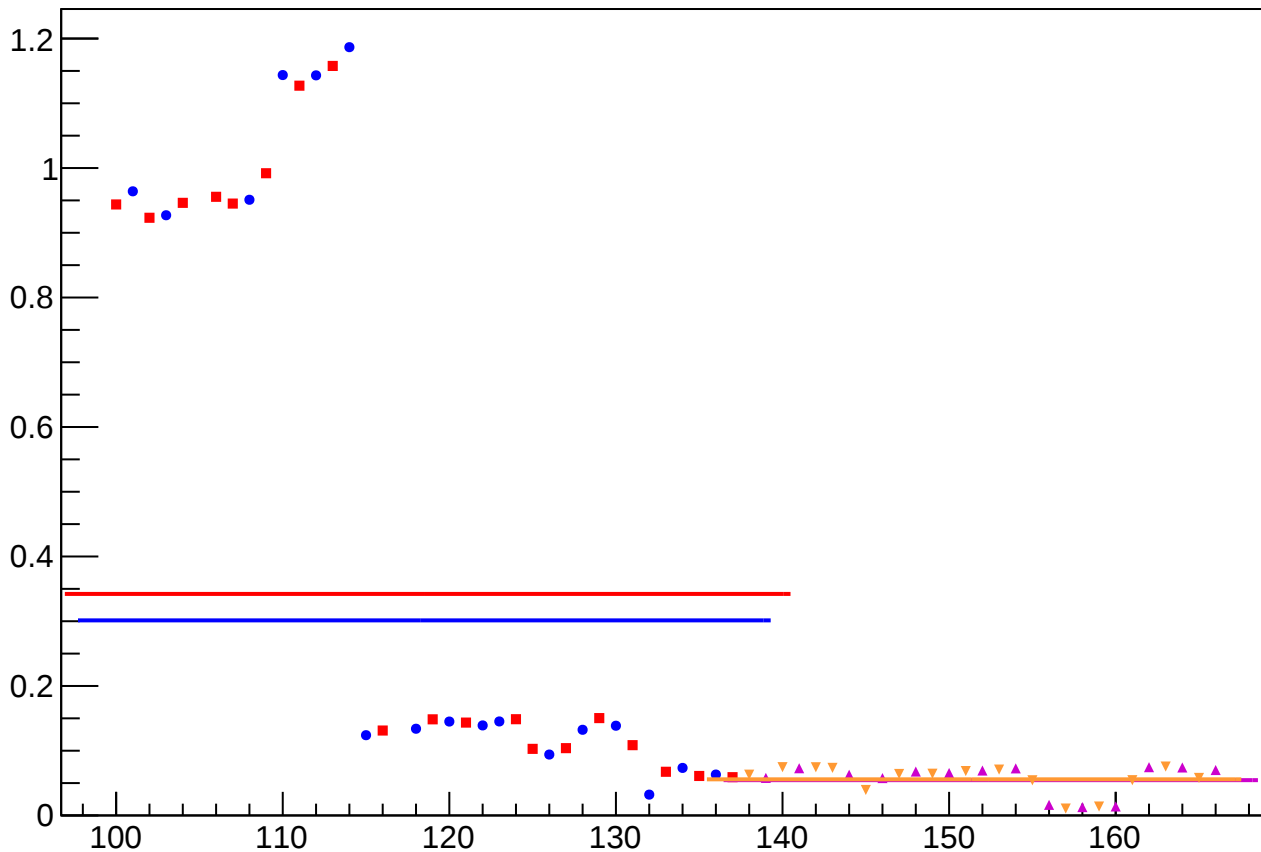
Right: 0.020+/-0.000 χ^2/NDF : 2624881.7/35

In: 0.020+/-0.000 χ^2/NDF : 1684109.6/30

Out: 0.019+/-0.000 χ^2/NDF : 1871438.3/33

All: 0.020+/-0.000 χ^2/NDF : 3556645.1/64

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.056+/-0.000 χ^2/NDF : 37231266.1/14

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

Left In: 0.055+/-0.000 χ^2/NDF : 48439003.2/13

Left: 0.055+/-0.000 χ^2/NDF : 85739757.7/28

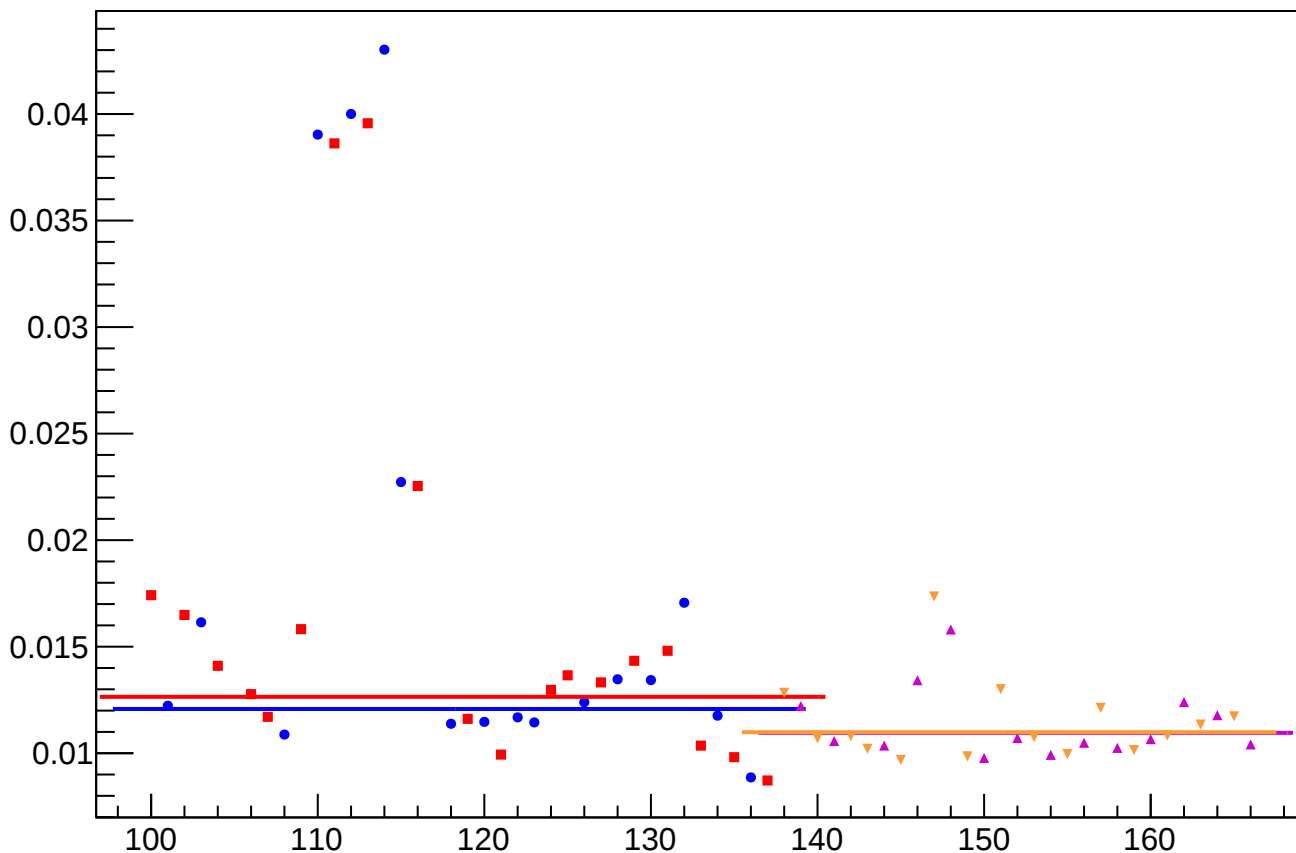
Right: 0.321+/-0.000 χ^2/NDF : 10628899850.1/35

In: 0.131+/-0.000 χ^2/NDF : 6820880797.0/30

Out: 0.141+/-0.000 χ^2/NDF : 7602610535.6/33

All: 0.136+/-0.000 χ^2/NDF : 14429620629.1/66

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 370025.8/14

Right Out: 0.013+/-0.000 χ^2/NDF : 1236084.9/18

Left In: 0.011+/-0.000 χ^2/NDF : 301582.5/13

Left: 0.011+/-0.000 χ^2/NDF : 671683.5/28

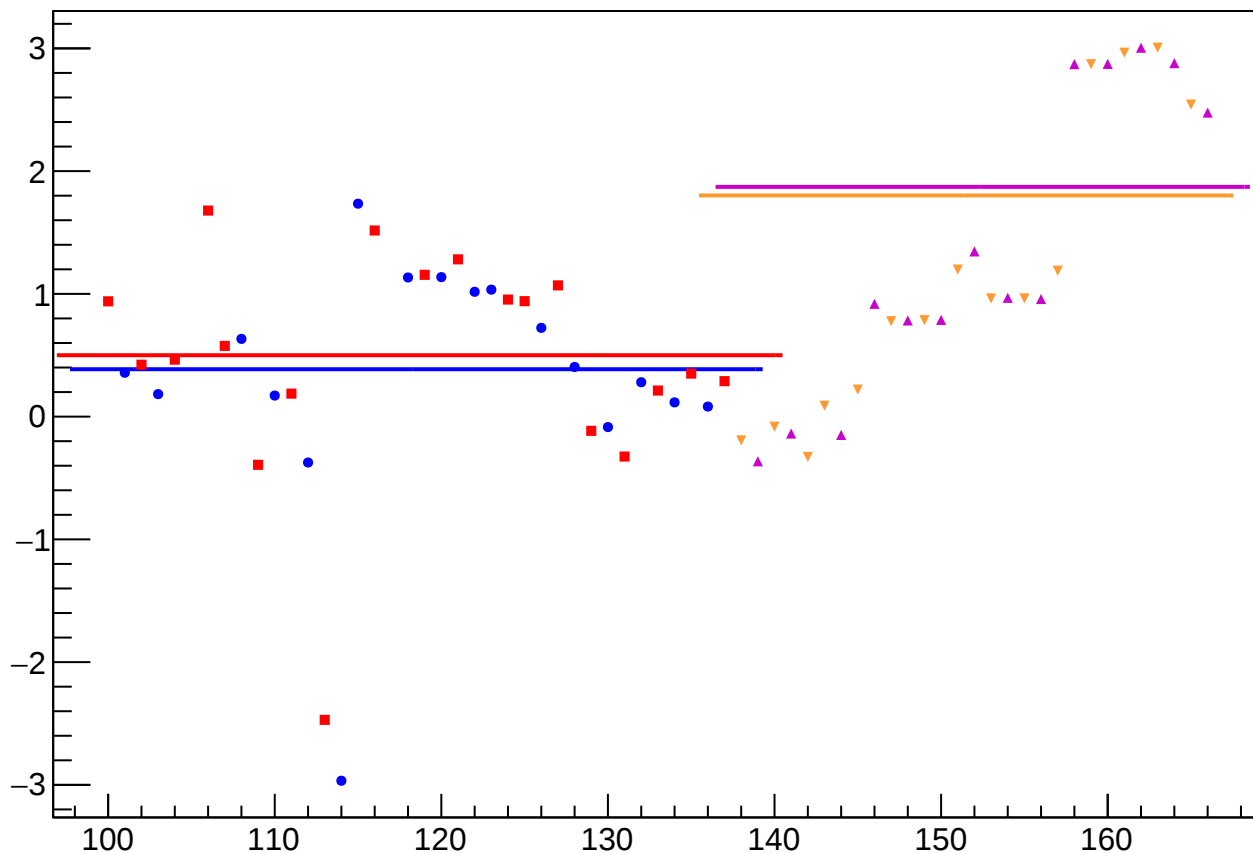
Right: 0.012+/-0.000 χ^2/NDF : 2528646.1/35

In: 0.011+/-0.000 χ^2/NDF : 1648720.9/30

Out: 0.011+/-0.000 χ^2/NDF : 1749081.9/33

All: 0.011+/-0.000 χ^2/NDF : 3401643.1/64

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 $\pm$ 0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.802 $\pm$ 0.000 χ^2/NDF :25415950511.2/14

Right Out: 0.500 $\pm$ 0.000 χ^2/NDF : 983386658.7/18

Left In: 1.872 $\pm$ 0.000 χ^2/NDF :27058462225.0/13

Left: 1.838 $\pm$ 0.000 χ^2/NDF : 52541310242.0/28

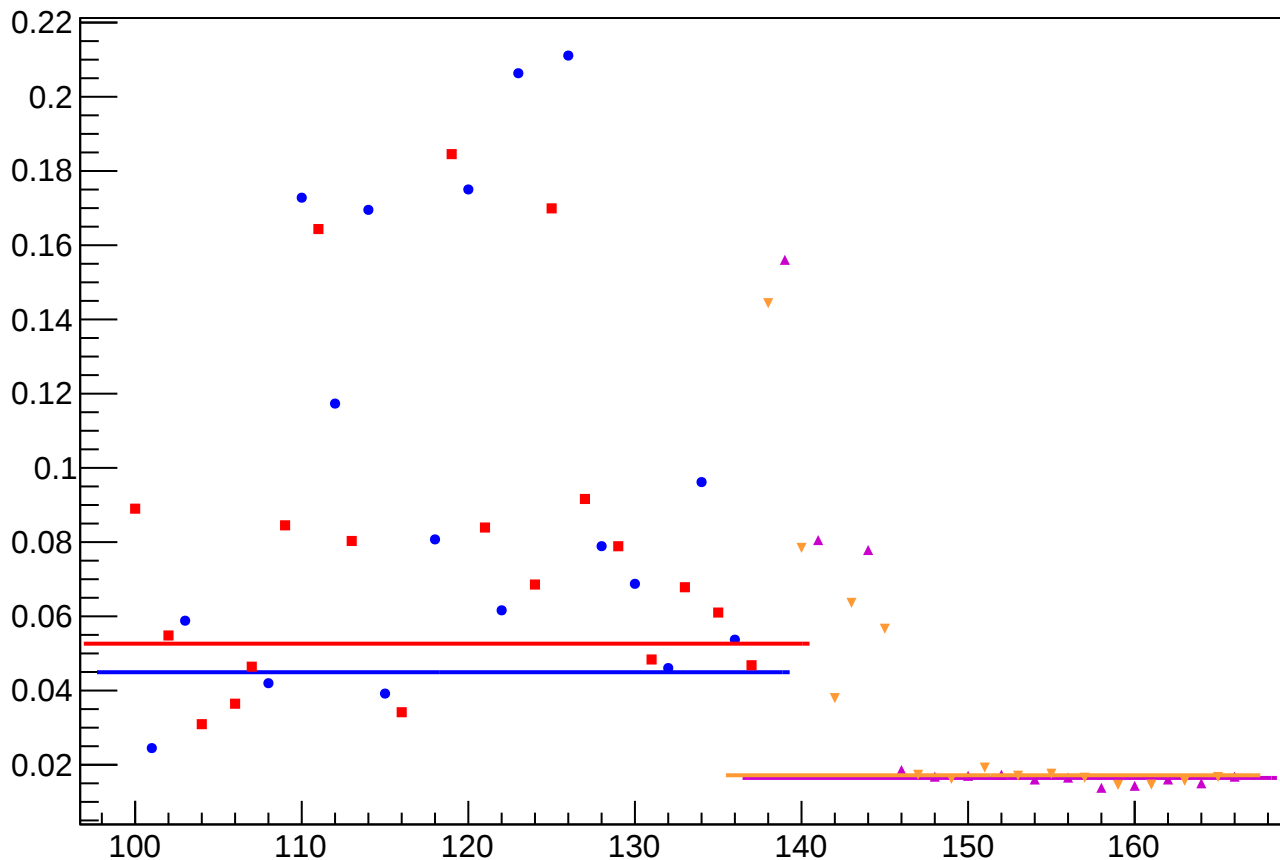
Right: 0.439 $\pm$ 0.000 χ^2/NDF : 1240216918.3/35

In: 1.786 $\pm$ 0.000 χ^2/NDF :30939631155.3/30

Out: 1.731 $\pm$ 0.000 χ^2/NDF :28784367190.8/33

All: 1.760 $\pm$ 0.000 χ^2/NDF : 59767637257.9/6

yield_bpm1X_rms vs Slug, Sign Corrected



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 : 2402137.7/13

Left: 0.017+/-0.000 χ^2/NDF : 5149577.1/28

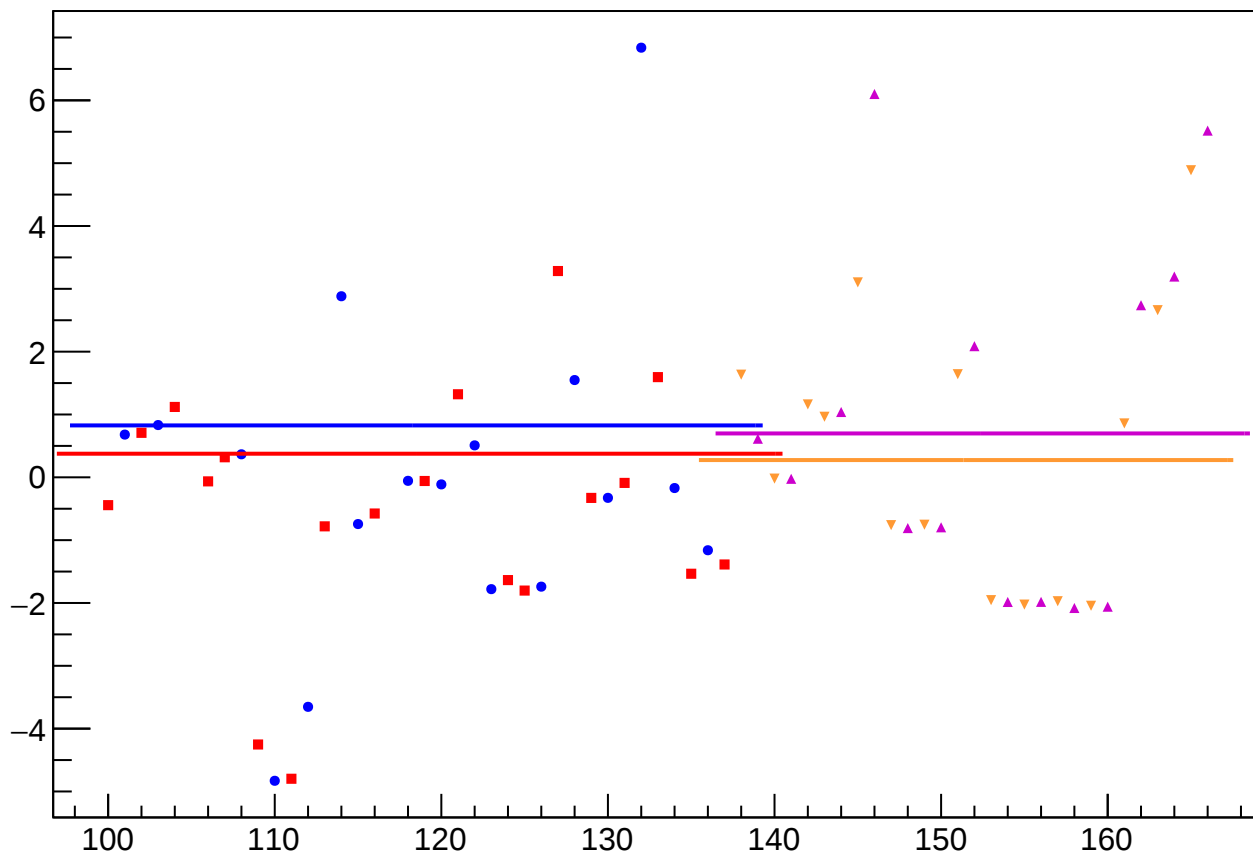
Right: 0.048+/-0.000 χ^2/NDF : 5075265.3/35

In: 0.018+/-0.000 χ^2/NDF : 7862374.1/30

Out: 0.019+/-0.000 χ^2/NDF : 8465527.7/33

All: 0.019+/-0.000 χ^2/NDF : 16356561.0/64

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000

χ^2/NDF : 10945455664.9/16

Left: 0.496+/-0.000 χ^2/NDF : 627910447310.3/28

Right: 0.614+/-0.000 χ^2/NDF : 16267855103.5/35

Left Out: 0.275+/-0.000

χ^2/NDF : 232521315768.3/14

In: 0.709+/-0.000 χ^2/NDF : 402548135367.6/30

Right Out: 0.376+/-0.000

χ^2/NDF : 4947158634.2/18

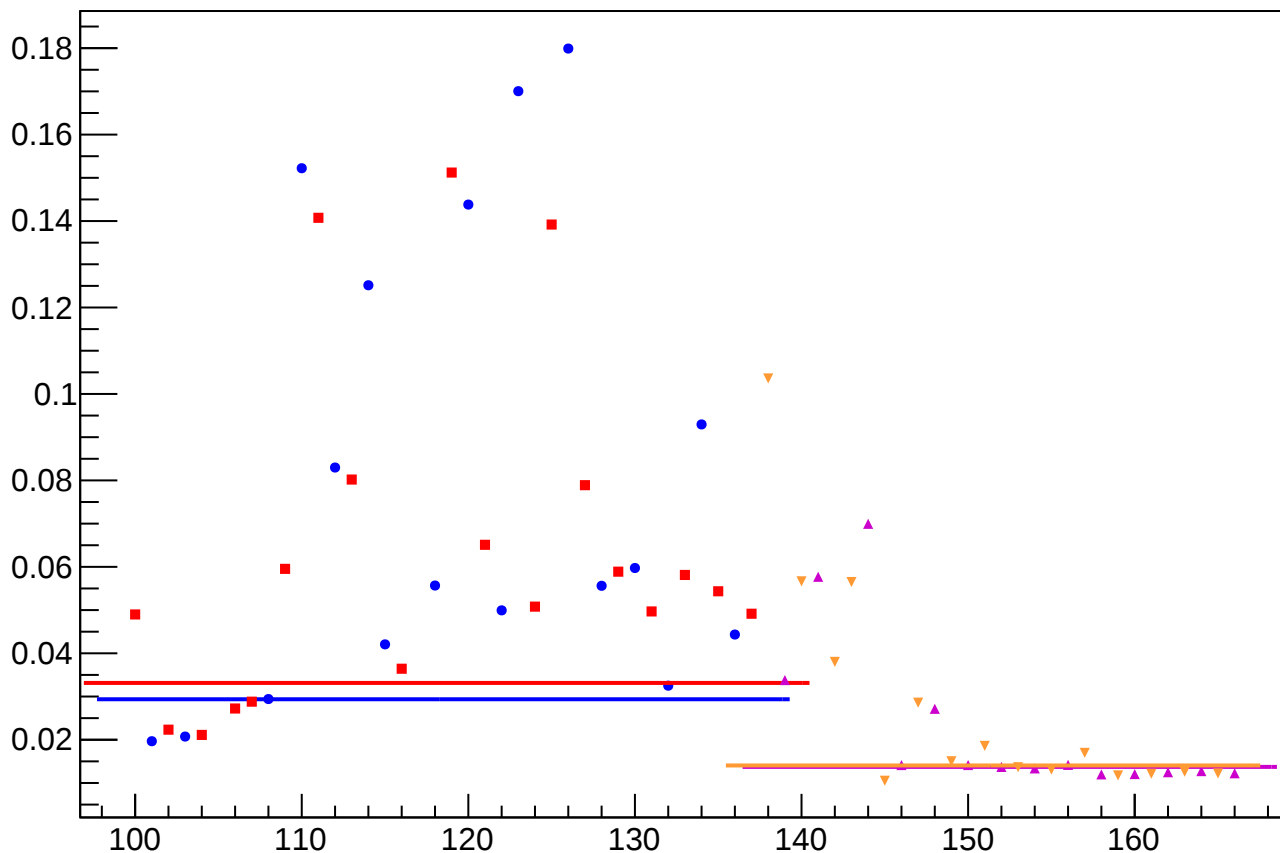
Out: 0.283+/-0.000 χ^2/NDF : 237501423420.0/33

Left In: 0.698+/-0.000

χ^2/NDF : 391543637182.2/13

All: 0.505+/-0.000 χ^2/NDF : 644274312488.7

yield_bpm1Y_rms vs Slug, Sign Corrected



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 :1881002.9/13

Left: 0.014+/-0.000 χ^2/NDF : 4698059.5/28

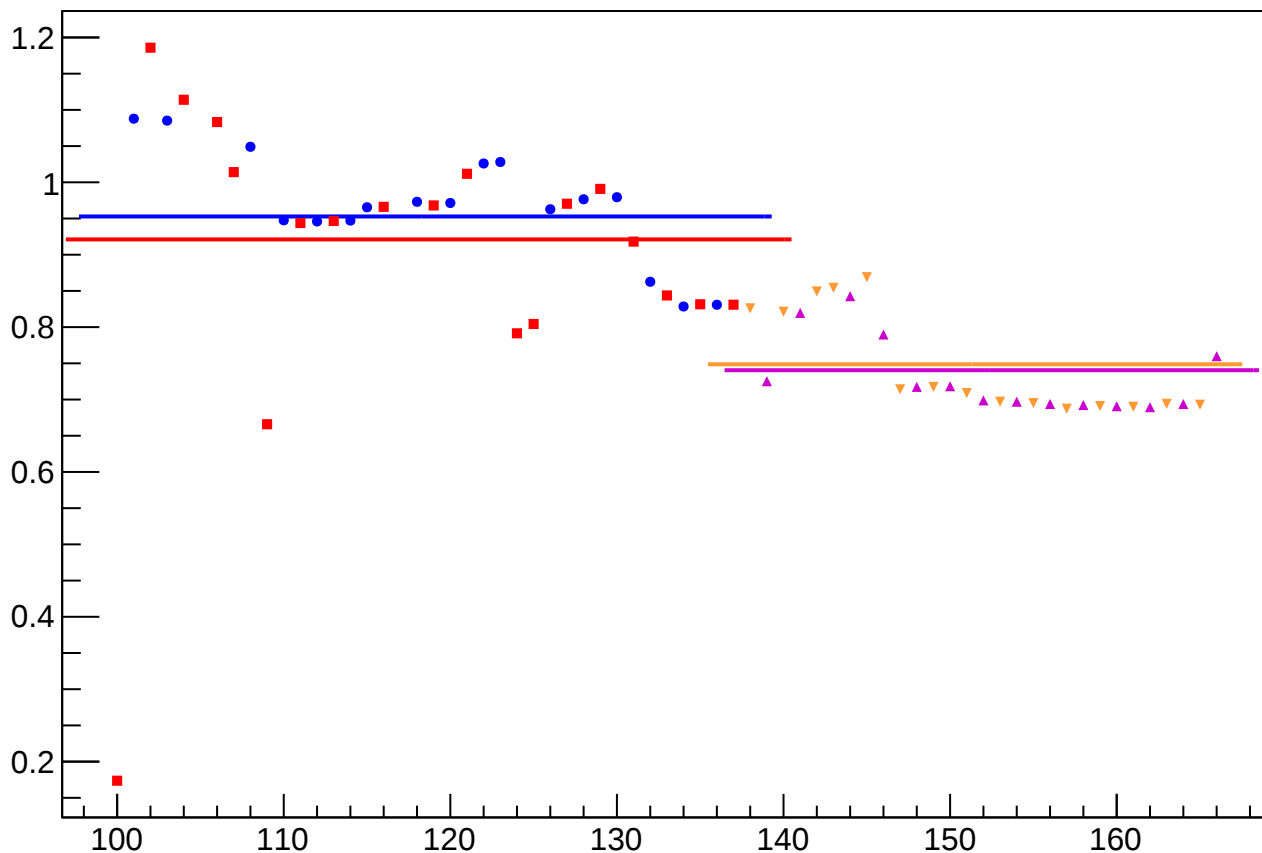
Right: 0.031+/-0.000 χ^2/NDF : 6139085.6/35

In: 0.015+/-0.000 χ^2/NDF :6638672.5/30

Out: 0.016+/-0.000 χ^2/NDF :8258207.5/33

All: 0.015+/-0.000 χ^2/NDF : 14911860.2/64

yield_bpm11X_mean vs Slug, Sign Corrected



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

Right Out: 0.921 $\pm$ 0.000 χ^2/NDF : 374151585.5/18

Left In: 0.740 $\pm$ 0.000 χ^2/NDF :155927329.6/13

Left: 0.745 $\pm$ 0.000 χ^2/NDF : 416547306.7/28

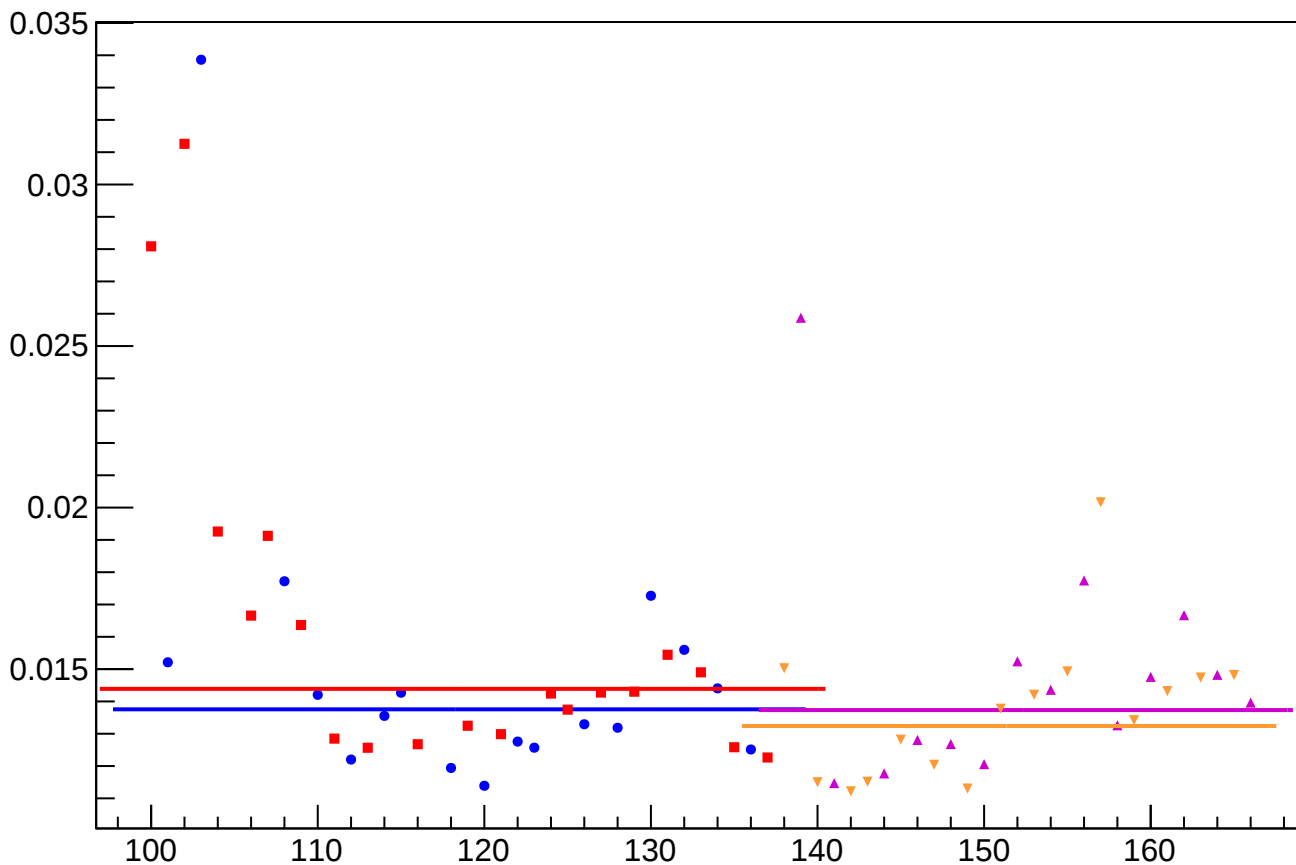
Right: 0.937 $\pm$ 0.000 χ^2/NDF : 564889848.1/35

In: 0.820 $\pm$ 0.000 χ^2/NDF :1188658252.5/30

Out: 0.809 $\pm$ 0.000 χ^2/NDF :1201320578.0/33

All: 0.814 $\pm$ 0.000 χ^2/NDF : 2395252194.5/64

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013+/-0.000 χ^2/NDF :356292.3/14

Right Out: 0.014+/-0.000 χ^2/NDF : 503813.0/18

Left In: 0.014+/-0.000 χ^2/NDF :599654.3/13

Left: 0.013+/-0.000 χ^2/NDF : 968775.5/28

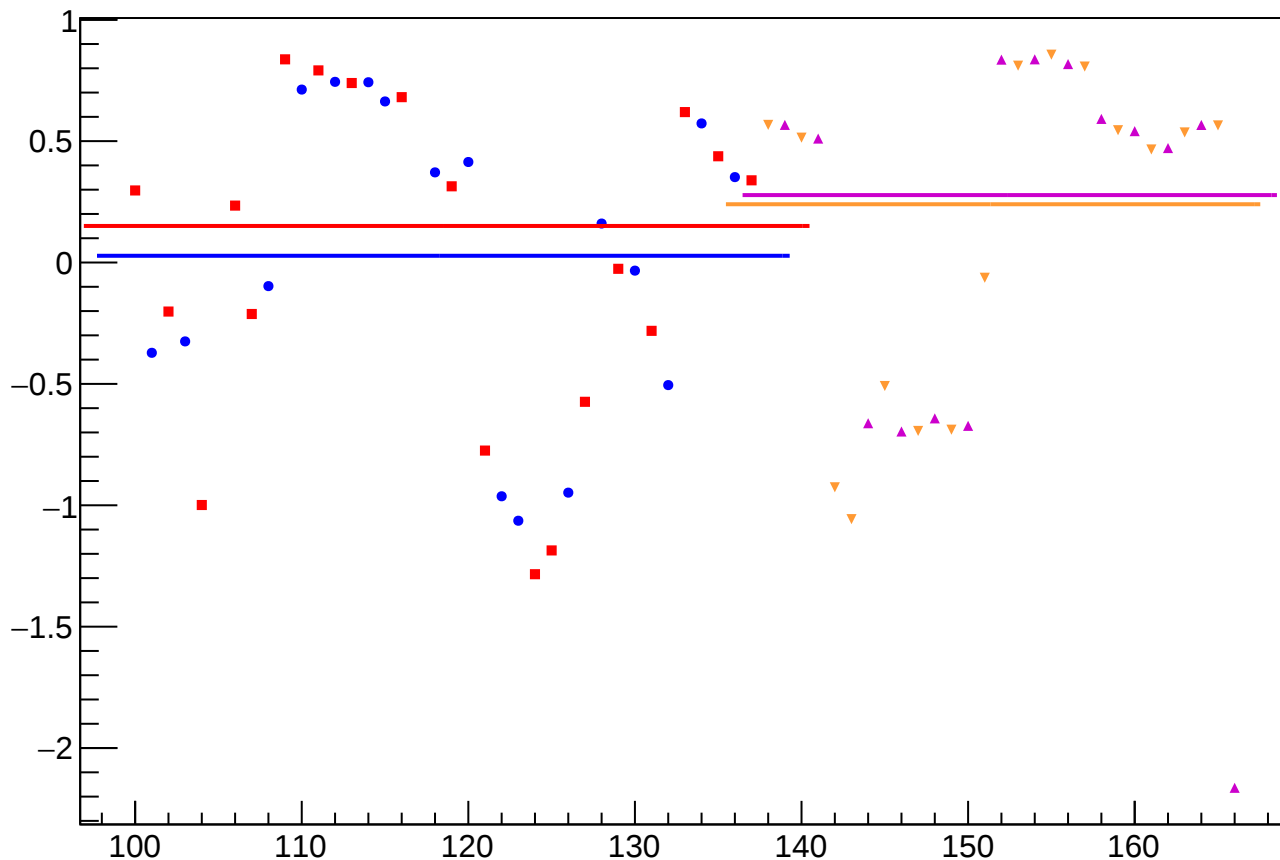
Right: 0.014+/-0.000 χ^2/NDF : 1054284.2/35

In: 0.014+/-0.000 χ^2/NDF :1138144.1/30

Out: 0.014+/-0.000 χ^2/NDF :910712.5/33

All: 0.014+/-0.000 χ^2/NDF : 2049700.2/64

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000

χ^2/NDF : 6276955529.7/16

Left: 0.259 $\pm$ 0.000

χ^2/NDF : 58679170626.0/28

Left Out: 0.240 $\pm$ 0.000

χ^2/NDF : 24283965679.7/14

Right: 0.095 $\pm$ 0.000

χ^2/NDF : 19125643372.9/35

Right Out: 0.151 $\pm$ 0.000

χ^2/NDF : 12653743155.9/18

In: 0.214 $\pm$ 0.000

χ^2/NDF : 41721141357.9/30

Out: 0.214 $\pm$ 0.000

χ^2/NDF : 37099324863.0/33

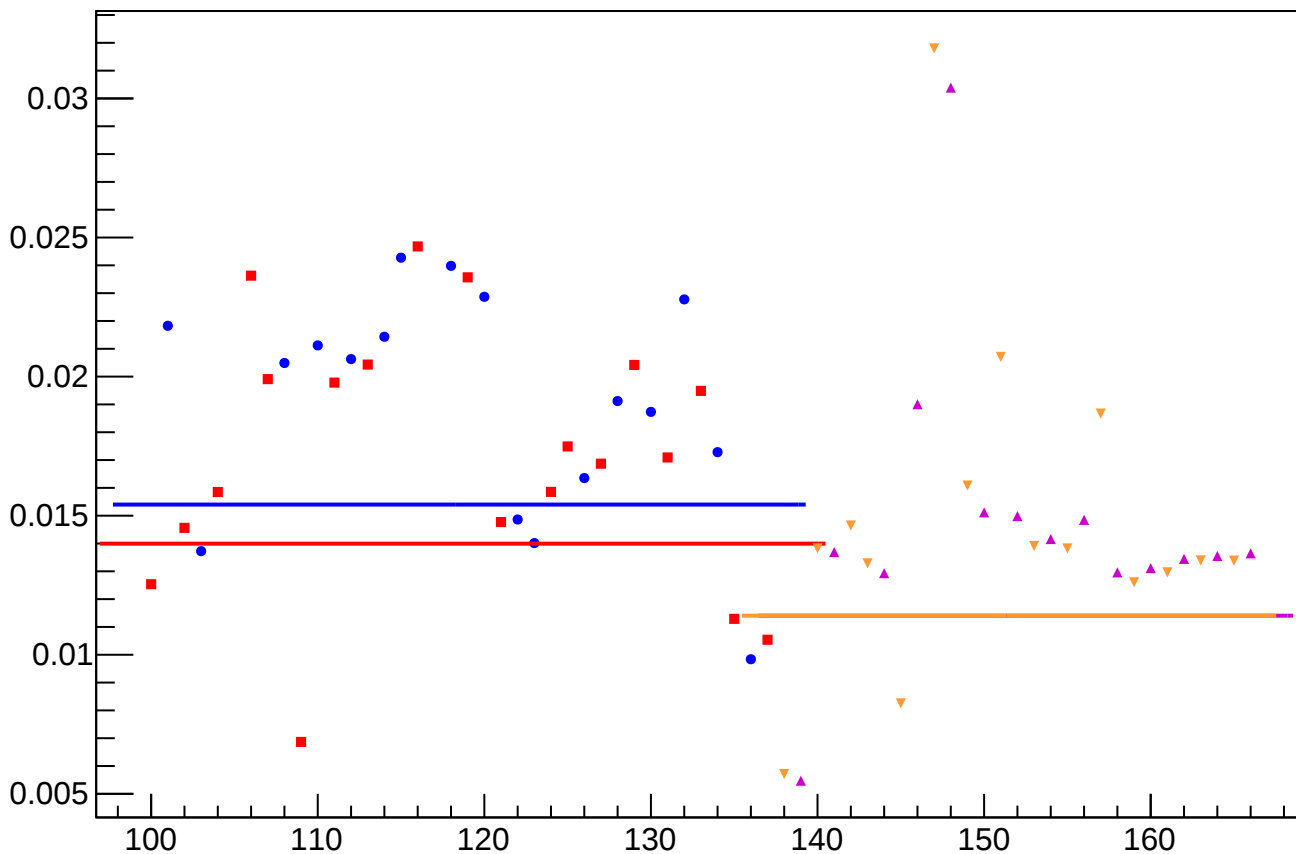
Left In: 0.278 $\pm$ 0.000

χ^2/NDF : 34346076563.1/13

All: 0.214 $\pm$ 0.000

χ^2/NDF : 78820466695.0/6

yield_bpm11Y_rms vs Slug, Sign Corrected



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 : 2950356.5/13

Left: 0.011+/-0.000 χ^2/NDF : 5856515.5/28

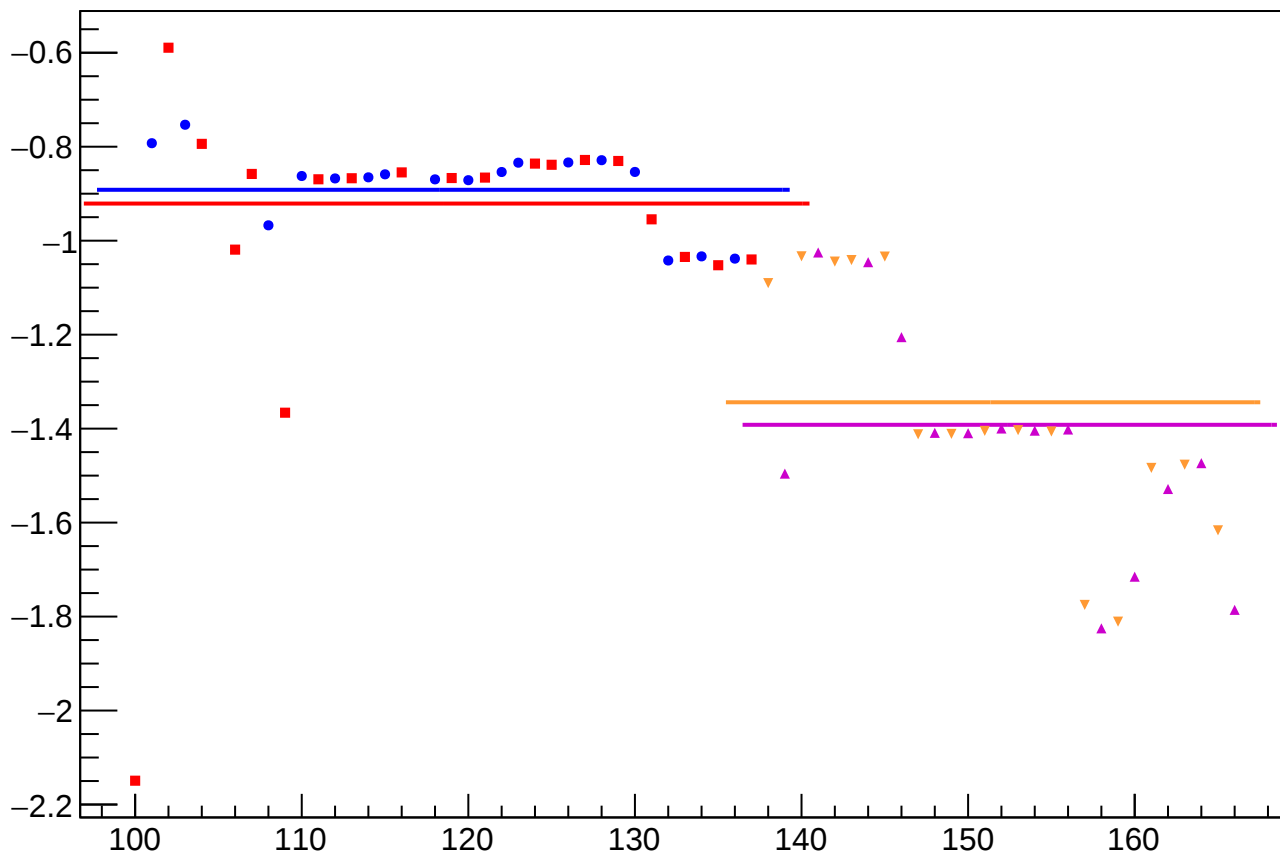
Right: 0.015+/-0.000 χ^2/NDF : 2754233.9/35

In: 0.012+/-0.000 χ^2/NDF : 4653065.9/30

Out: 0.012+/-0.000 χ^2/NDF : 4738930.2/33

All: 0.012+/-0.000 χ^2/NDF : 9398692.8/64

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892 ± 0.000 $\chi^2/\text{NDF}: 39793337.2/16$

Left Out: -1.344 ± 0.000 $\chi^2/\text{NDF}: 489509010.2/14$

Right Out: -0.921 ± 0.000 $\chi^2/\text{NDF}: 131159330.1/18$

Left In: -1.392 ± 0.000 $\chi^2/\text{NDF}: 471136930.9/13$

Left: -1.367 ± 0.000 $\chi^2/\text{NDF}: 969804446.2/28$

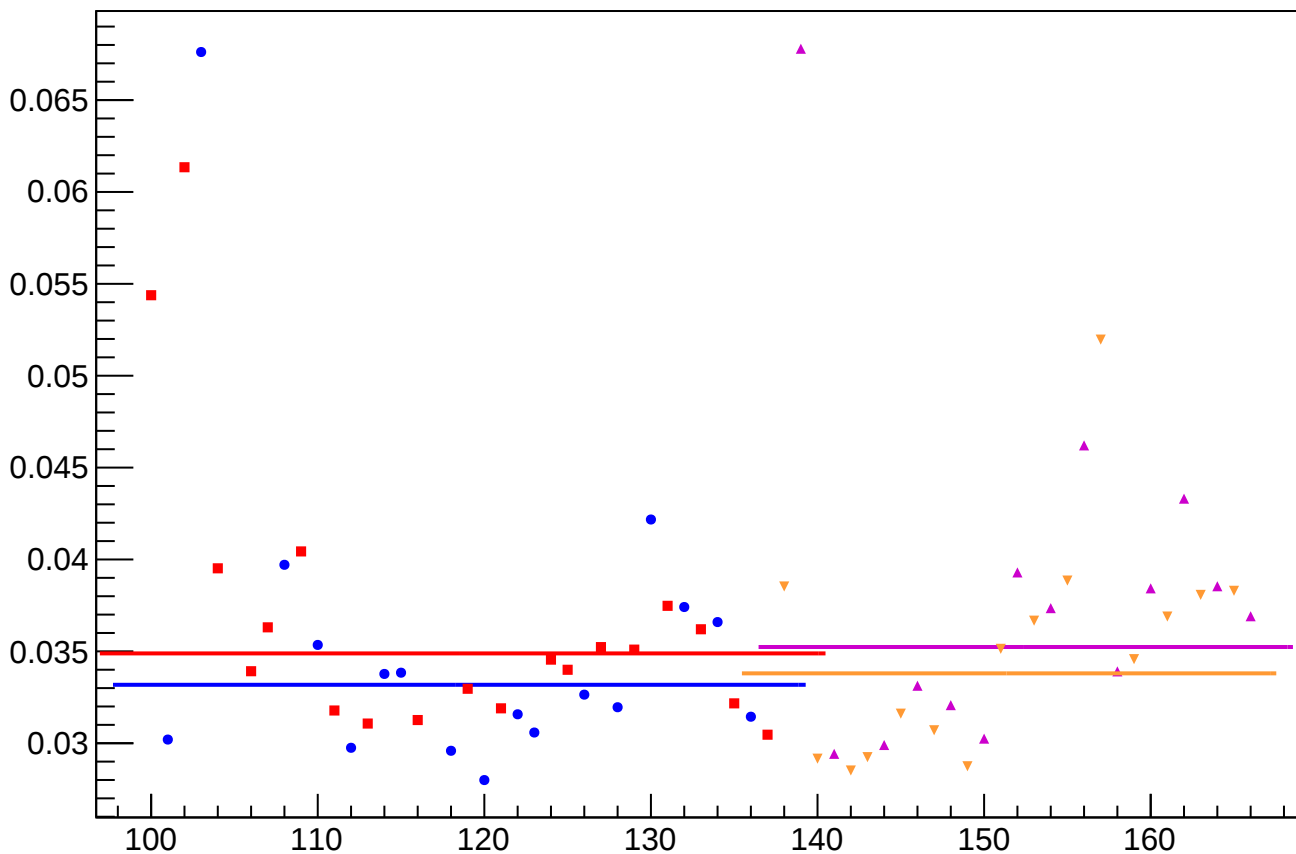
Right: -0.906 ± 0.000 $\chi^2/\text{NDF}: 173170801.3/35$

In: -1.187 ± 0.000 $\chi^2/\text{NDF}: 1291500395.6/30$

Out: -1.184 ± 0.000 $\chi^2/\text{NDF}: 1183145280.6/33$

All: -1.186 ± 0.000 $\chi^2/\text{NDF}: 2474703070.3/6$

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.034+/-0.000 χ^2/NDF :389602.6/14

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

Left In: 0.035+/-0.000 χ^2/NDF :656204.1/13

Left: 0.034+/-0.000 χ^2/NDF : 1062200.7/28

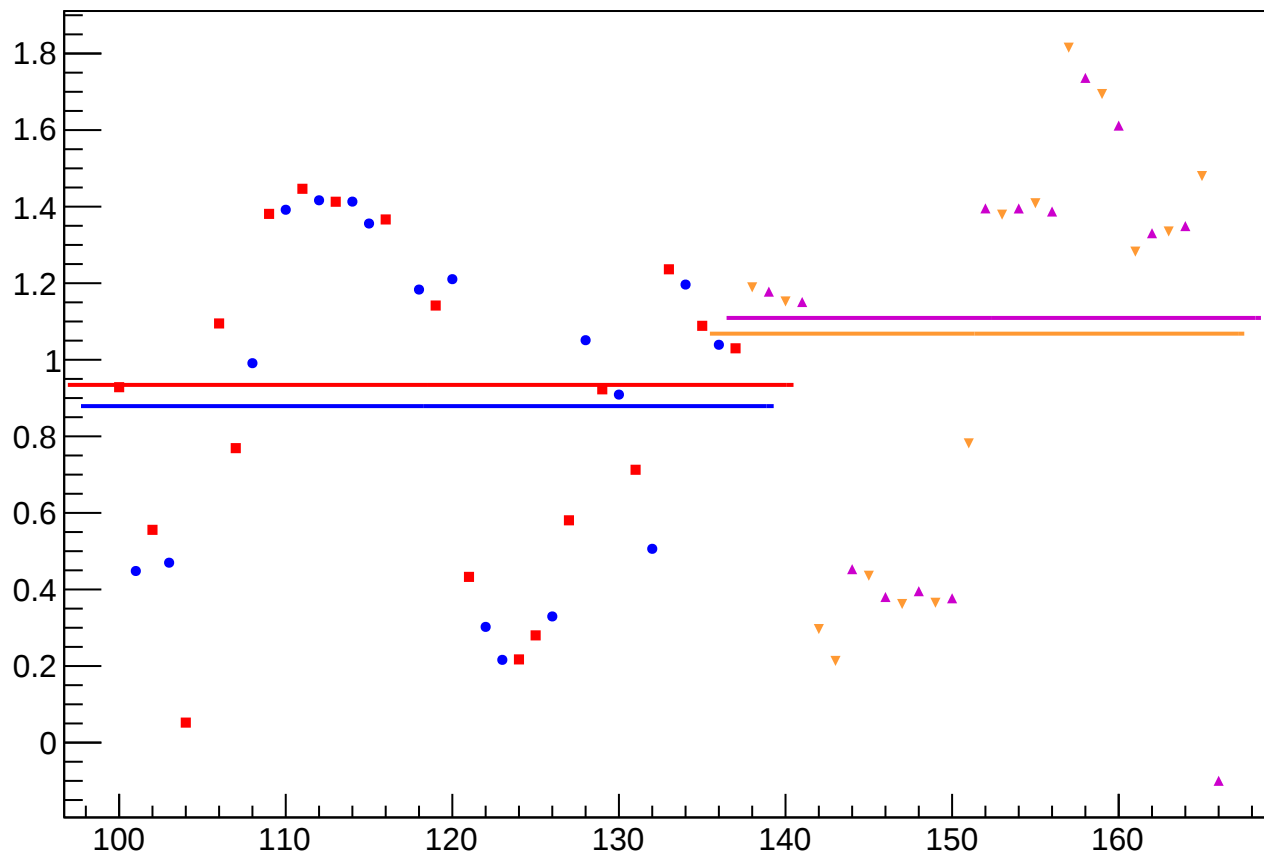
Right: 0.034+/-0.000 χ^2/NDF : 690186.6/35

In: 0.034+/-0.000 χ^2/NDF :1082717.2/30

Out: 0.034+/-0.000 χ^2/NDF :672032.7/33

All: 0.034+/-0.000 χ^2/NDF : 1755191.5/64

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 1.068+/-0.000 χ^2/NDF : 30700470738.7/14

Right Out: 0.934+/-0.000 χ^2/NDF : 9827120184.9/18

Left In: 1.109+/-0.000 χ^2/NDF : 30154711848.3/13

Left: 1.089+/-0.000 χ^2/NDF : 60965554162.6/28

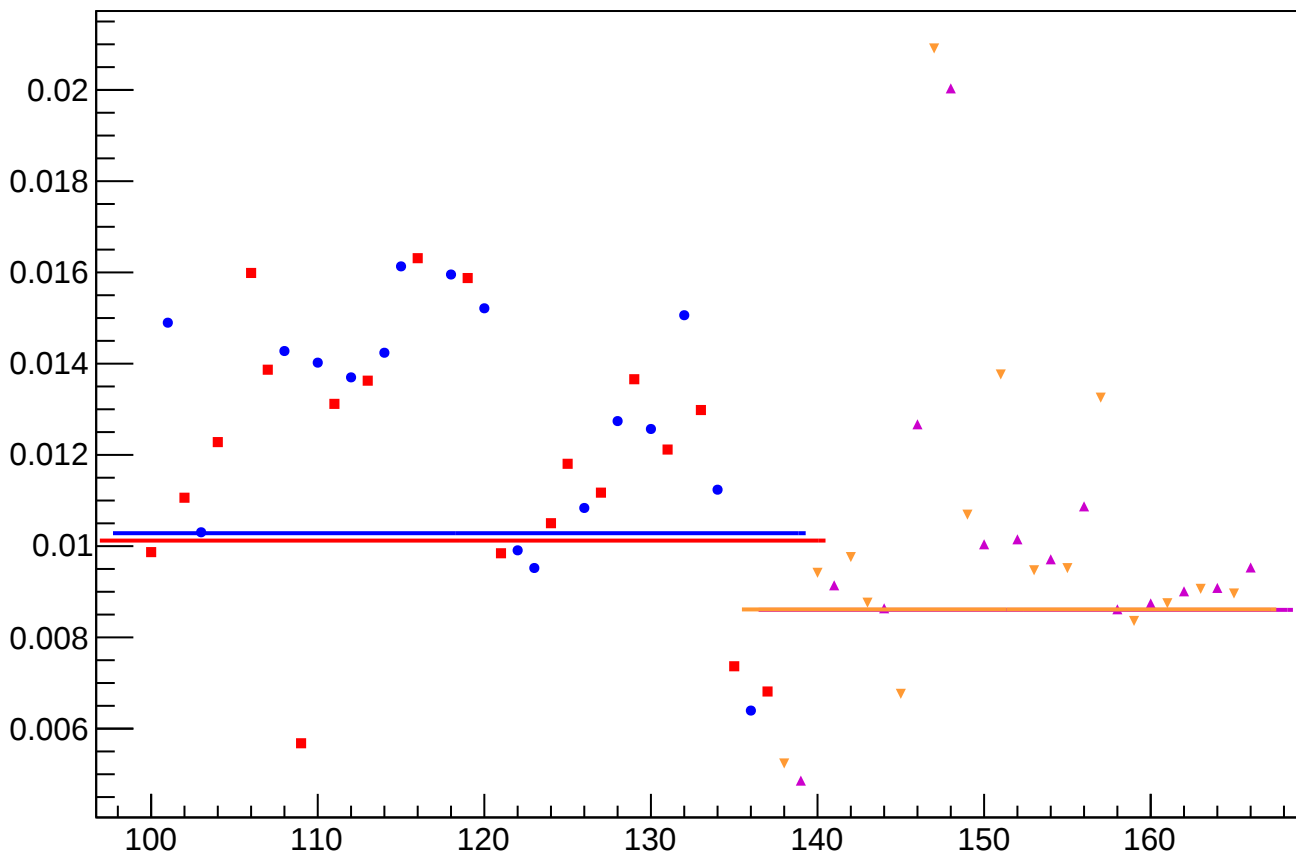
Right: 0.908+/-0.000 χ^2/NDF : 16282606826.3/35

In: 1.043+/-0.000 χ^2/NDF : 38510372123.5/30

Out: 1.028+/-0.000 χ^2/NDF : 41239925409.8/33

All: 1.035+/-0.000 χ^2/NDF : 79771321996.7/6

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1659633.2/14

Right Out: 0.010+/-0.000 χ^2/NDF : 1176642.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 1627556.2/13

Left: 0.009+/-0.000 χ^2/NDF : 3287201.1/28

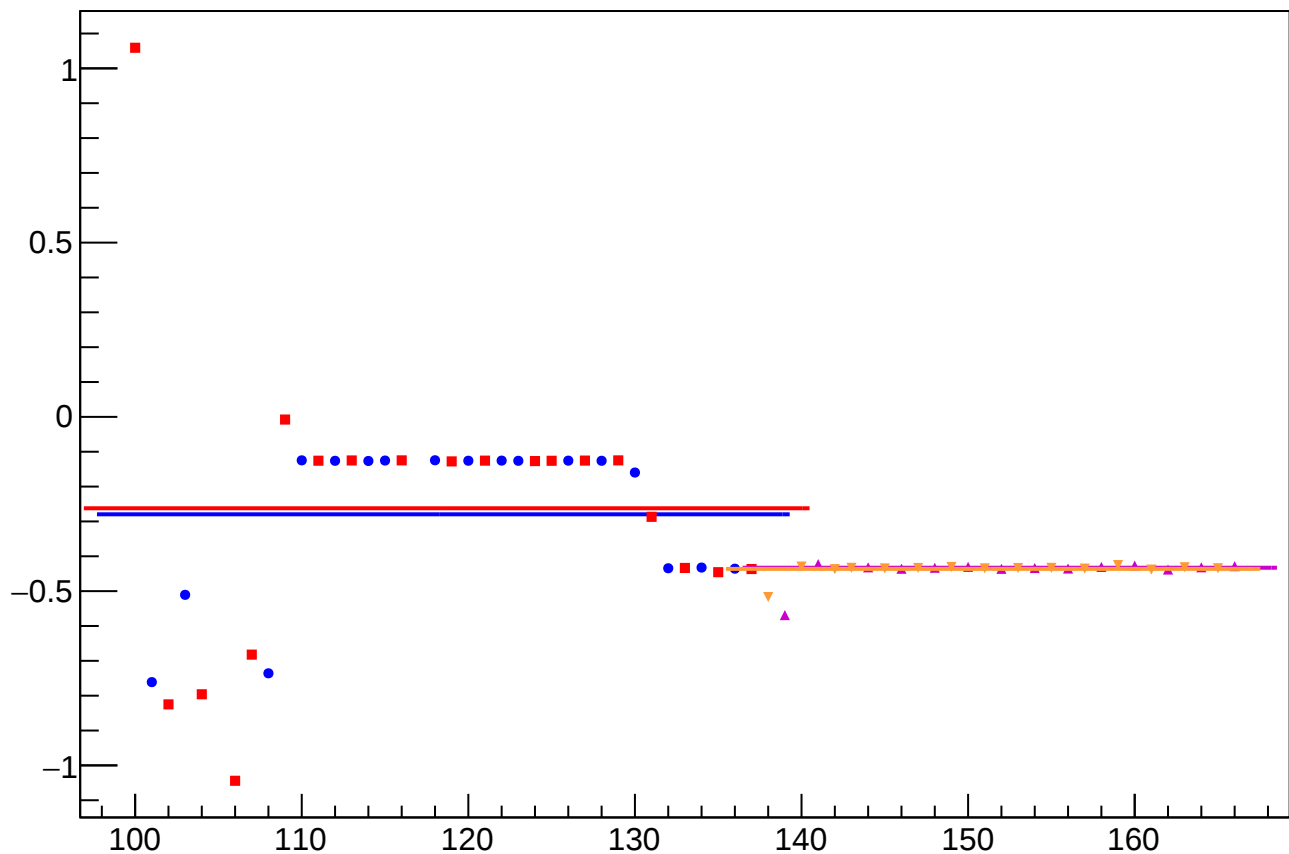
Right: 0.010+/-0.000 χ^2/NDF : 2385530.8/35

In: 0.009+/-0.000 χ^2/NDF : 3046212.0/30

Out: 0.009+/-0.000 χ^2/NDF : 3017422.7/33

All: 0.009+/-0.000 χ^2/NDF : 6063706.7/64

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 ± 0.000 $\chi^2/\text{NDF}: 929210245.5/16$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 25635520.9/14$

Right Out: -0.262 ± 0.000 $\chi^2/\text{NDF}: 1006263824.6/18$

Left In: -0.433 ± 0.000 $\chi^2/\text{NDF}: 19635350.2/13$

Left: -0.435 ± 0.000 $\chi^2/\text{NDF}: 45757206.6/28$

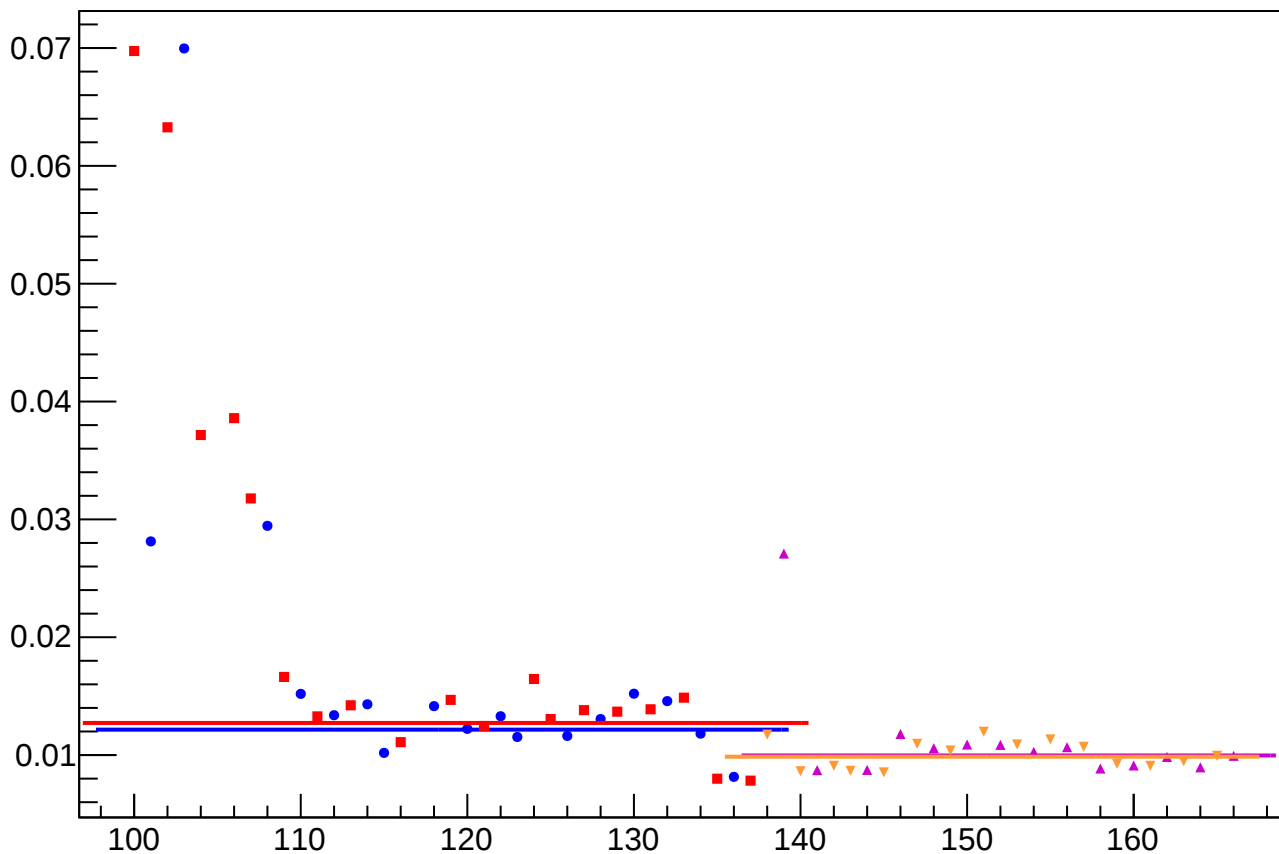
Right: -0.271 ± 0.000 $\chi^2/\text{NDF}: 1940066892.0/35$

In: -0.393 ± 0.000 $\chi^2/\text{NDF}: 1497534413.1/30$

Out: -0.394 ± 0.000 $\chi^2/\text{NDF}: 1718000276.7/33$

All: -0.394 ± 0.000 $\chi^2/\text{NDF}: 3215626133.6/6$

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:225450.4/14

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:731189.7/13

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 957664.6/28

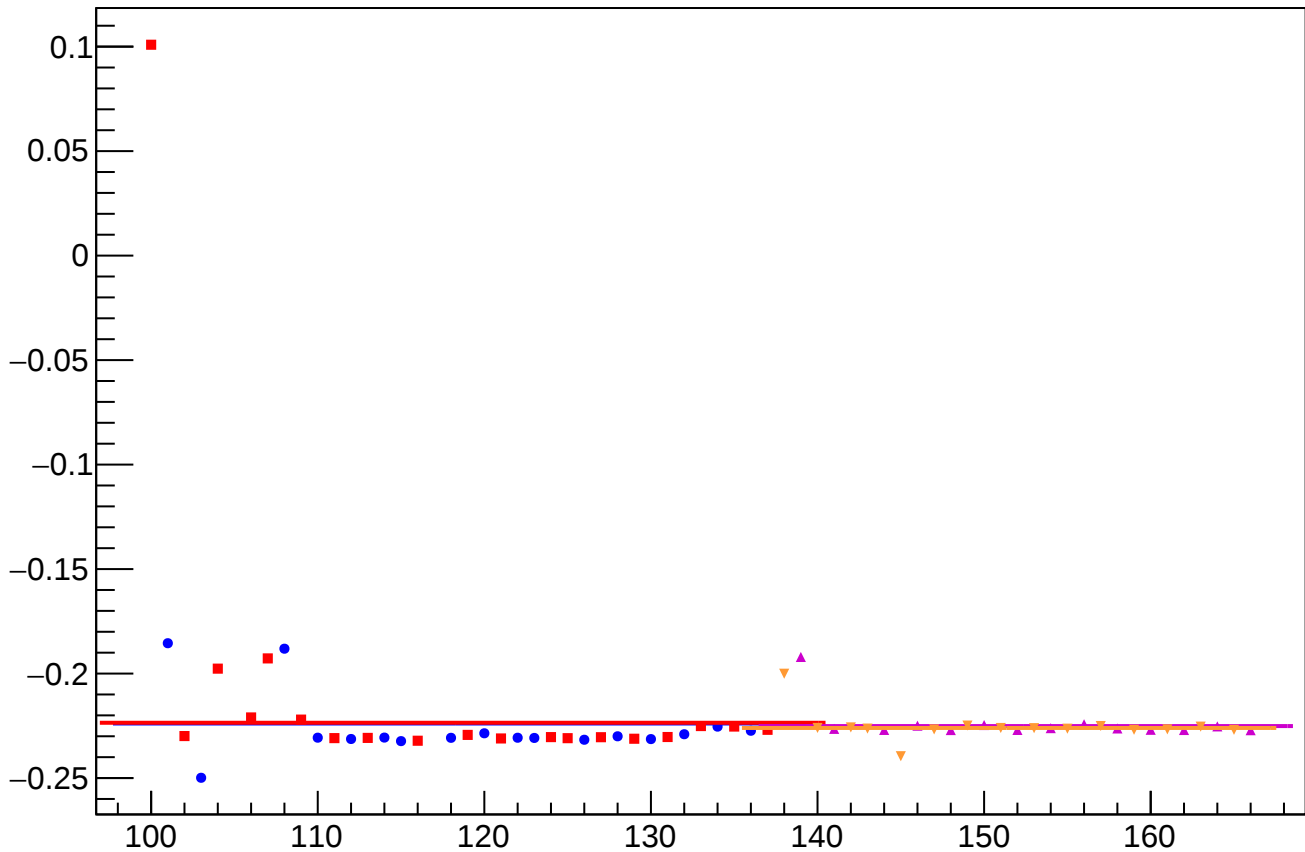
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3700041.2/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2678178.9/30

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:2565196.6/33

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5243401.3/64

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224 ± 0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226 ± 0.000 χ^2/NDF : 20602425.0/14

Right Out: -0.224 ± 0.000 χ^2/NDF : 168124199.3/18

Left In: -0.225 ± 0.000 χ^2/NDF : 12833743.3/13

Left: -0.226 ± 0.000 χ^2/NDF : 33592747.5/28

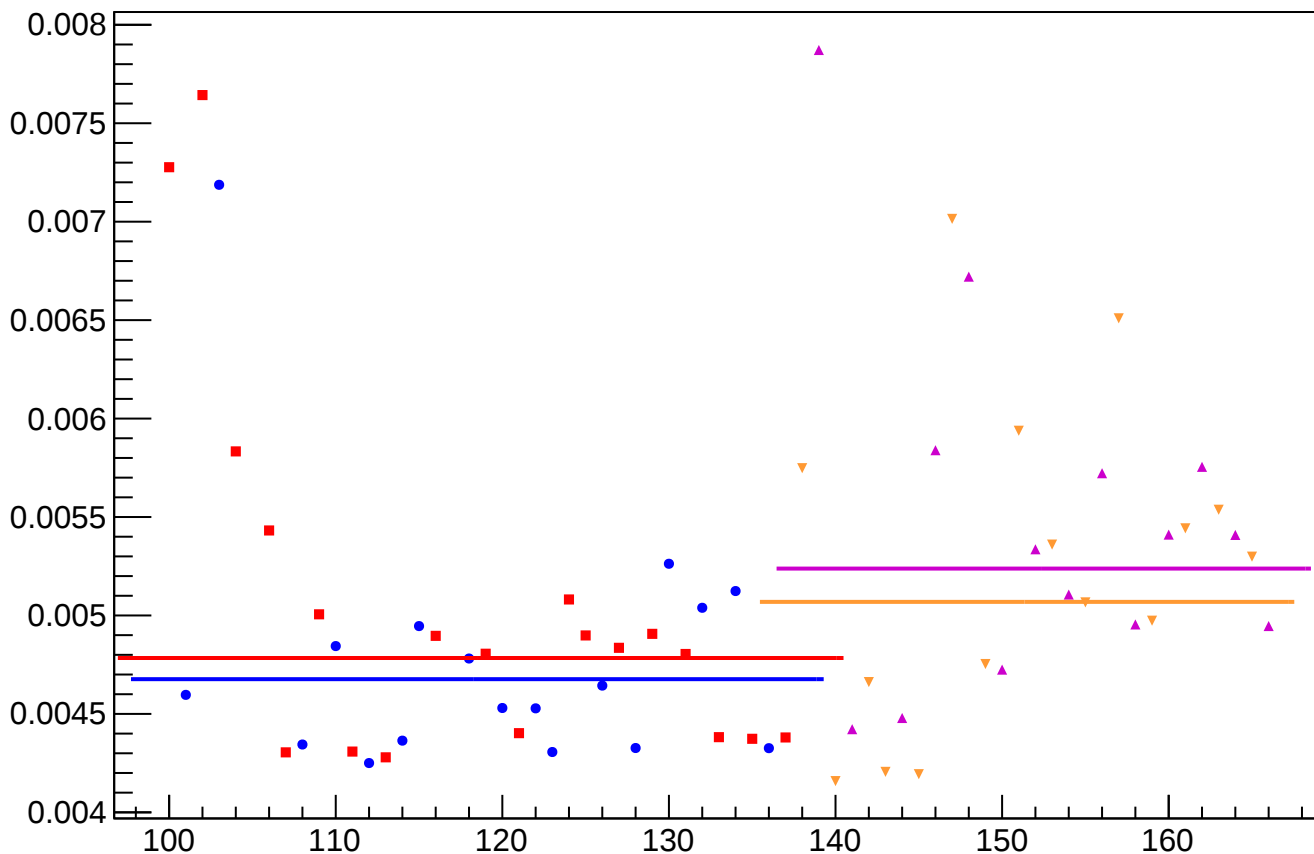
Right: -0.224 ± 0.000 χ^2/NDF : 242740169.2/35

In: -0.225 ± 0.000 χ^2/NDF : 87676205.2/30

Out: -0.225 ± 0.000 χ^2/NDF : 189740062.7/33

All: -0.225 ± 0.000 χ^2/NDF : 277471485.3/64

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 449006.2/14

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 396342.9/13

Left: 0.005+/-0.000 χ^2/NDF : 856307.8/28

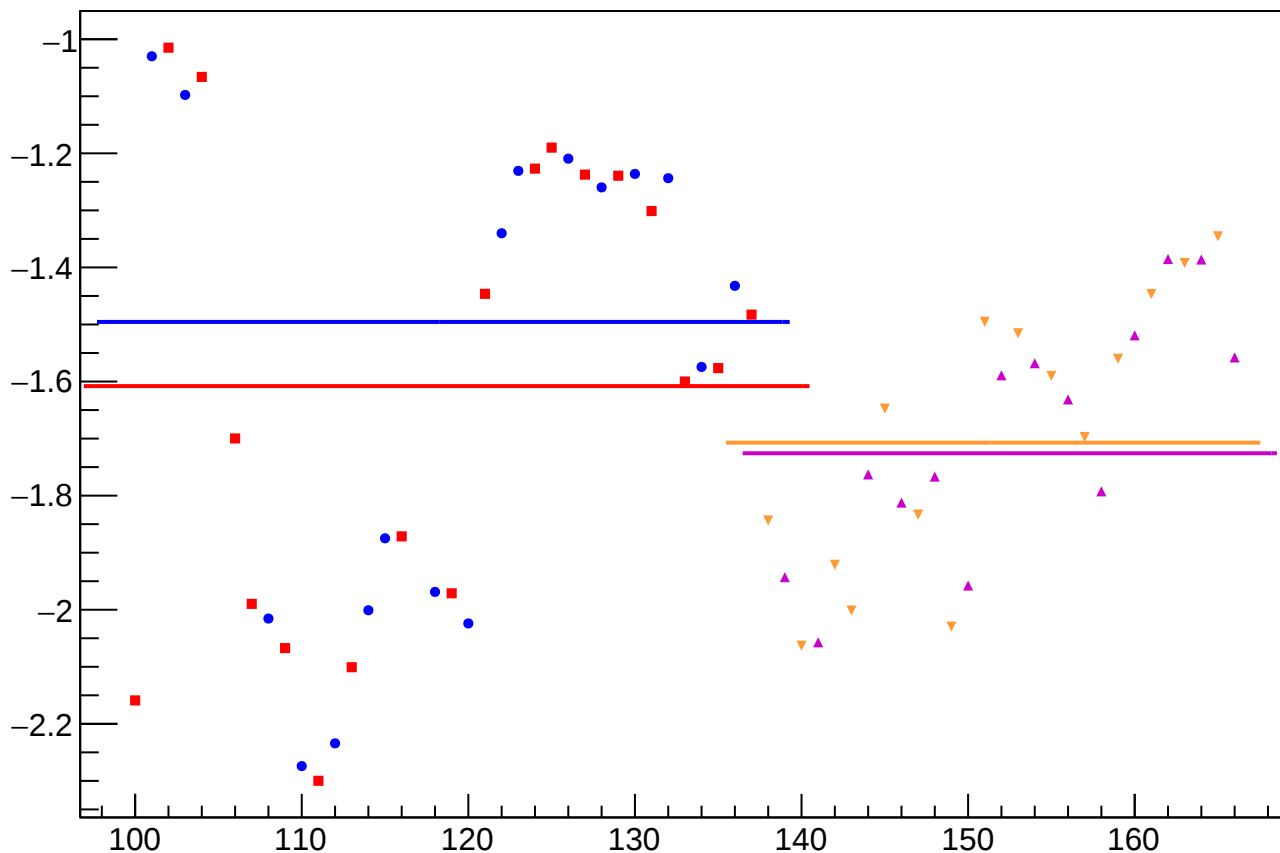
Right: 0.005+/-0.000 χ^2/NDF : 432242.2/35

In: 0.005+/-0.000 χ^2/NDF : 676273.8/30

Out: 0.005+/-0.000 χ^2/NDF : 723951.9/33

All: 0.005+/-0.000 χ^2/NDF : 1401709.7/64

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.707+/-0.000 χ^2/NDF : 15151932045.6/14

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

Left In: -1.726+/-0.000 χ^2/NDF : 10792746665.4/13

Left: -1.716+/-0.000 χ^2/NDF : 25990725680.0/28

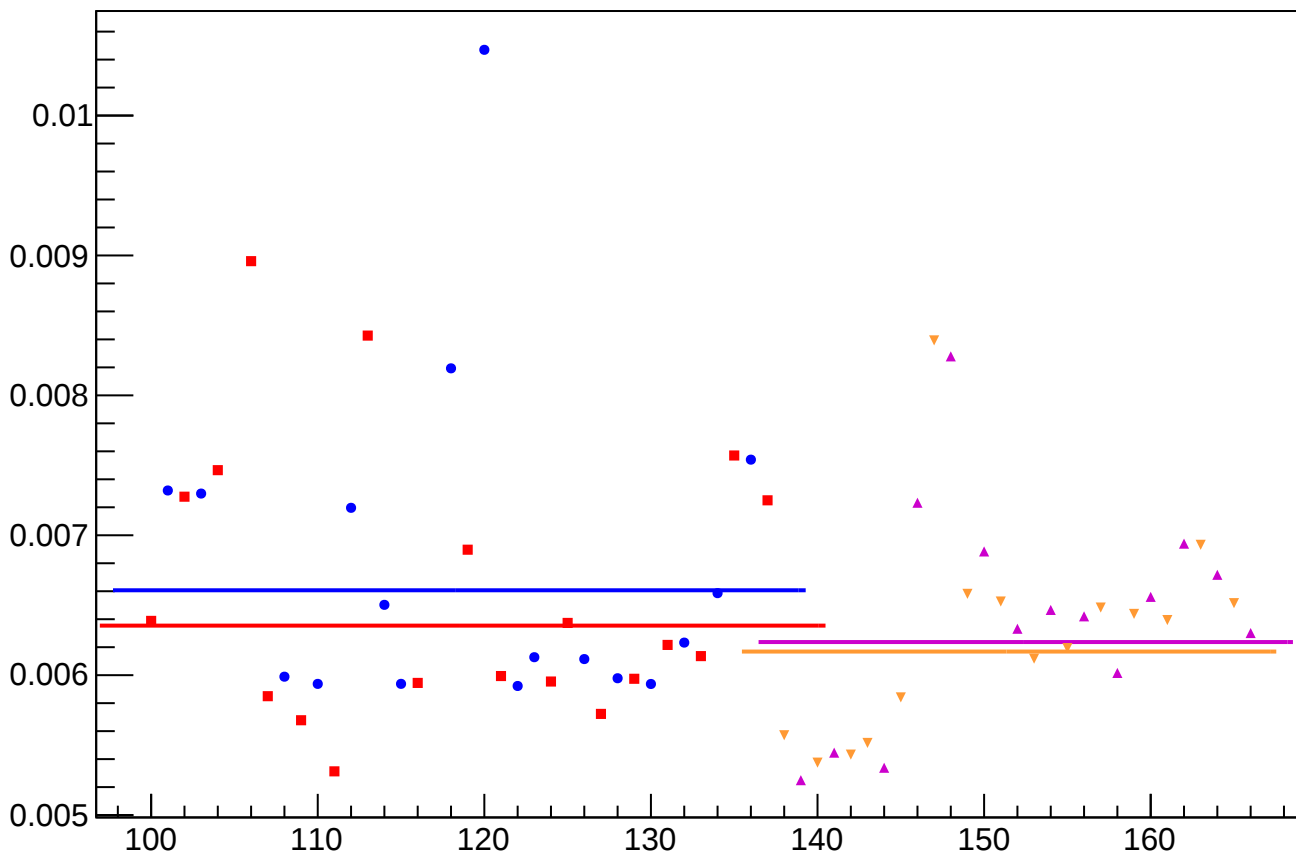
Right: -1.556+/-0.000 χ^2/NDF : 51308404748.0/35

In: -1.646+/-0.000 χ^2/NDF : 38095426268.0/30

Out: -1.670+/-0.000 χ^2/NDF : 44010052042.3/33

All: -1.658+/-0.000 χ^2/NDF : 82231957284.6/100

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF :226223.3/14

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

Left In: 0.006+/-0.000 χ^2/NDF :289517.2/13

Left: 0.006+/-0.000 χ^2/NDF : 516974.9/28

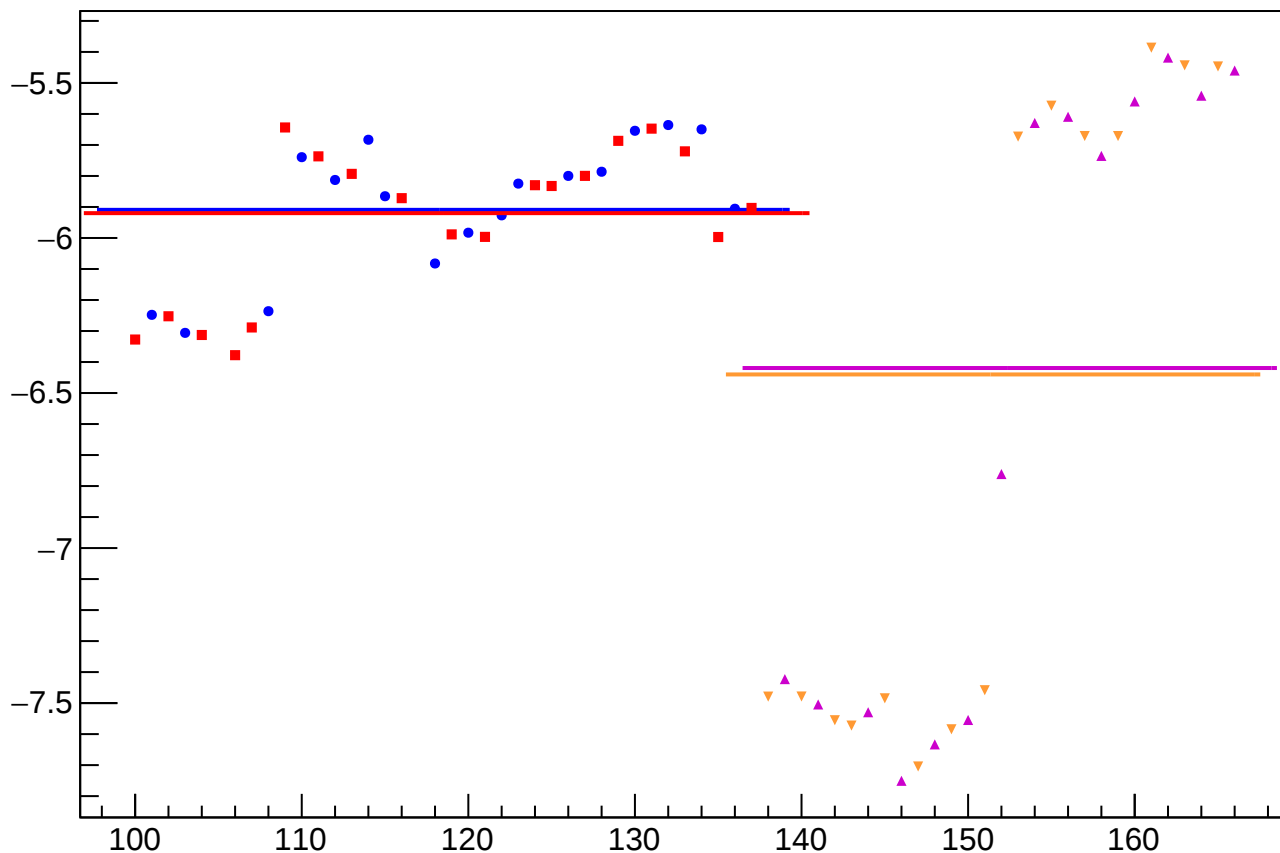
Right: 0.006+/-0.000 χ^2/NDF : 438183.3/35

In: 0.006+/-0.000 χ^2/NDF :515632.9/30

Out: 0.006+/-0.000 χ^2/NDF :460548.4/33

All: 0.006+/-0.000 χ^2/NDF : 982985.5/64

yield_bpm0l01Y_mean vs Slug, Sign Corrected



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: -6.419+/-0.000 χ^2/NDF : 128060471658.8/13

Left: -6.430+/-0.000 χ^2/NDF : 277017693867.7/28

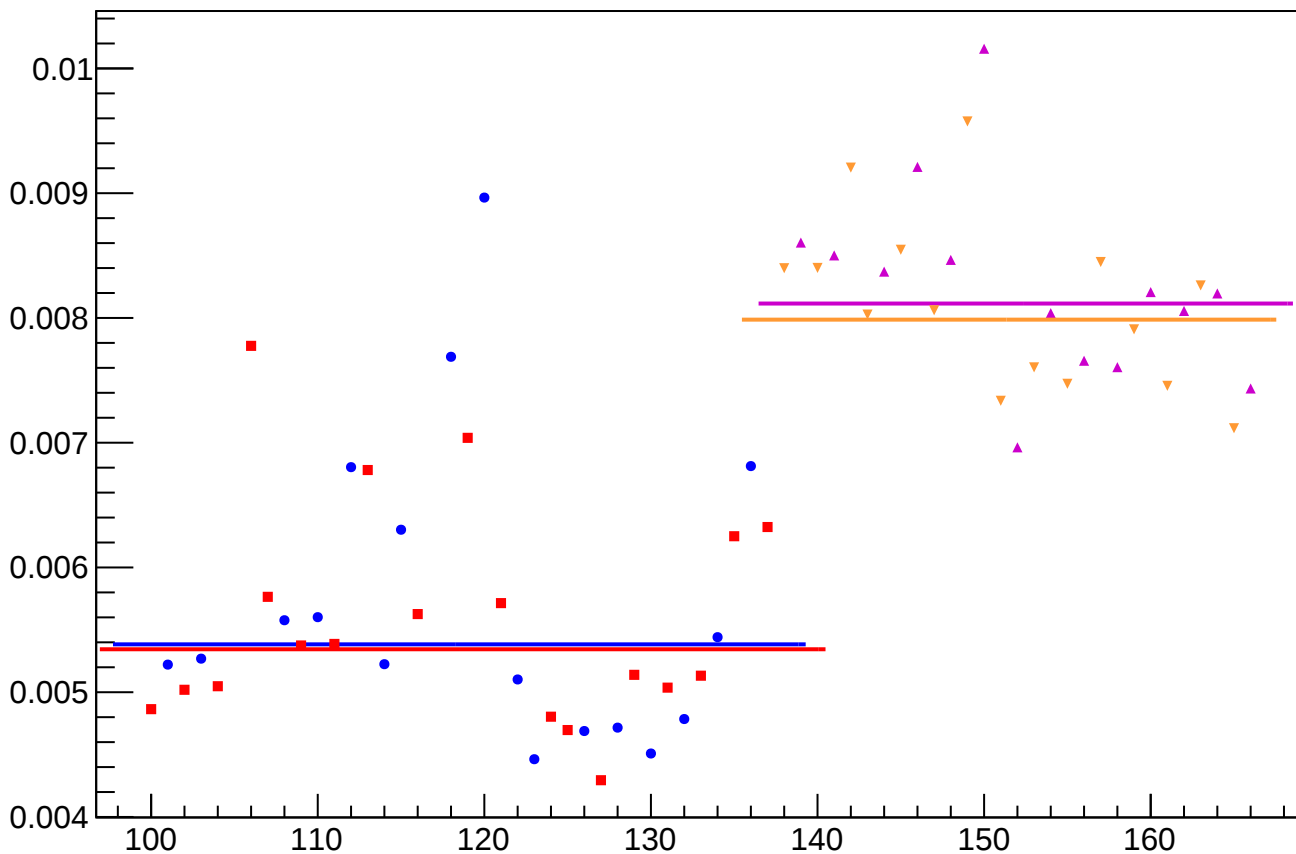
Right: -5.915+/-0.000 χ^2/NDF : 23922455242.5/35

In: -6.123+/-0.000 χ^2/NDF : 161268033819.9/30

Out: -6.130+/-0.000 χ^2/NDF : 186084600697.8/33

All: -6.127+/-0.000 χ^2/NDF : 347360916322.7

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :112526.8/14

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

Left In: 0.008+/-0.000 χ^2/NDF :149438.5/13

Left: 0.008+/-0.000 χ^2/NDF : 264442.1/28

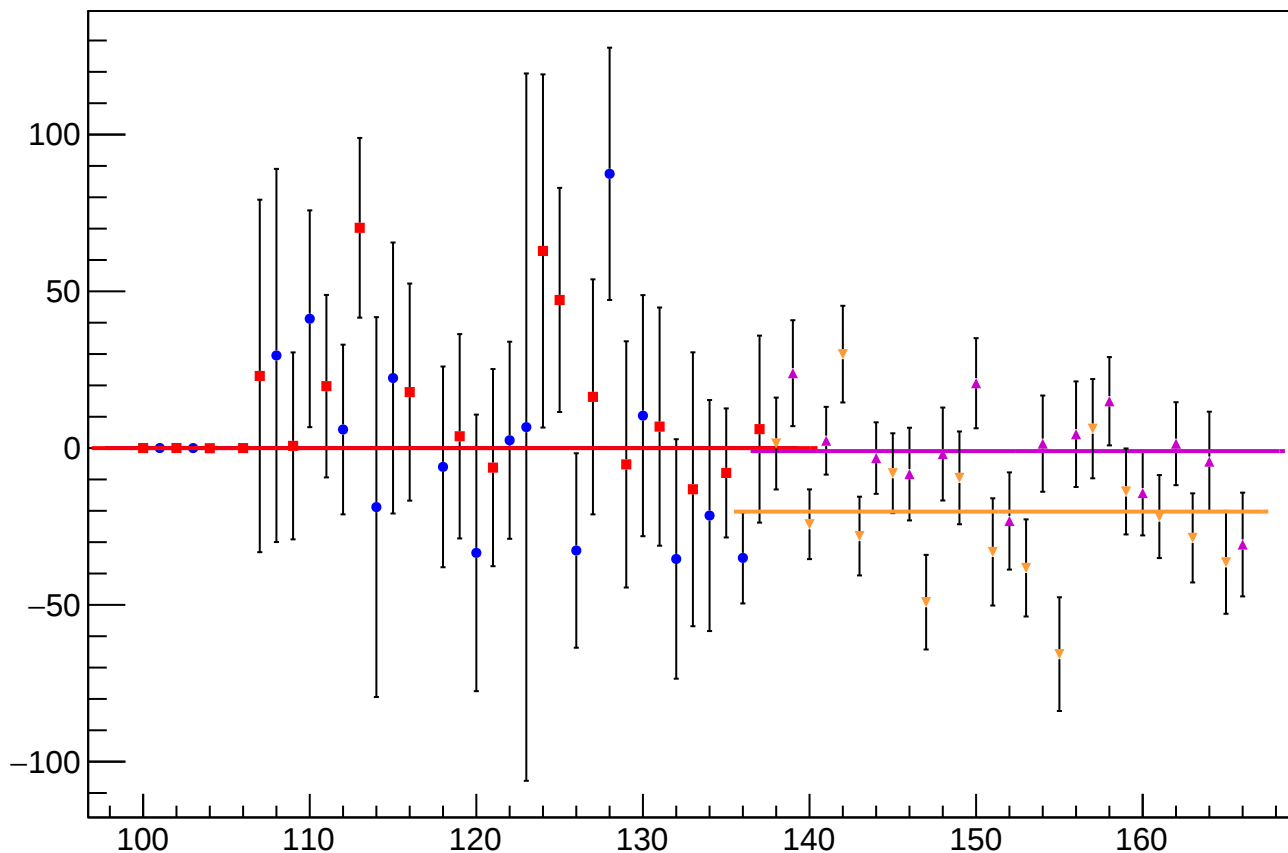
Right: 0.005+/-0.000 χ^2/NDF : 592657.5/35

In: 0.007+/-0.000 χ^2/NDF :1763599.5/30

Out: 0.006+/-0.000 χ^2/NDF :1614884.6/33

All: 0.006+/-0.000 χ^2/NDF : 3383520.8/64

diff_cav4bX_mean vs Slug, Sign Corrected



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: -0.955 ± 3.793 $\chi^2/\text{NDF}: 12.6/13$

Left: -10.823 ± 2.652 $\chi^2/\text{NDF}: 56.8/28$

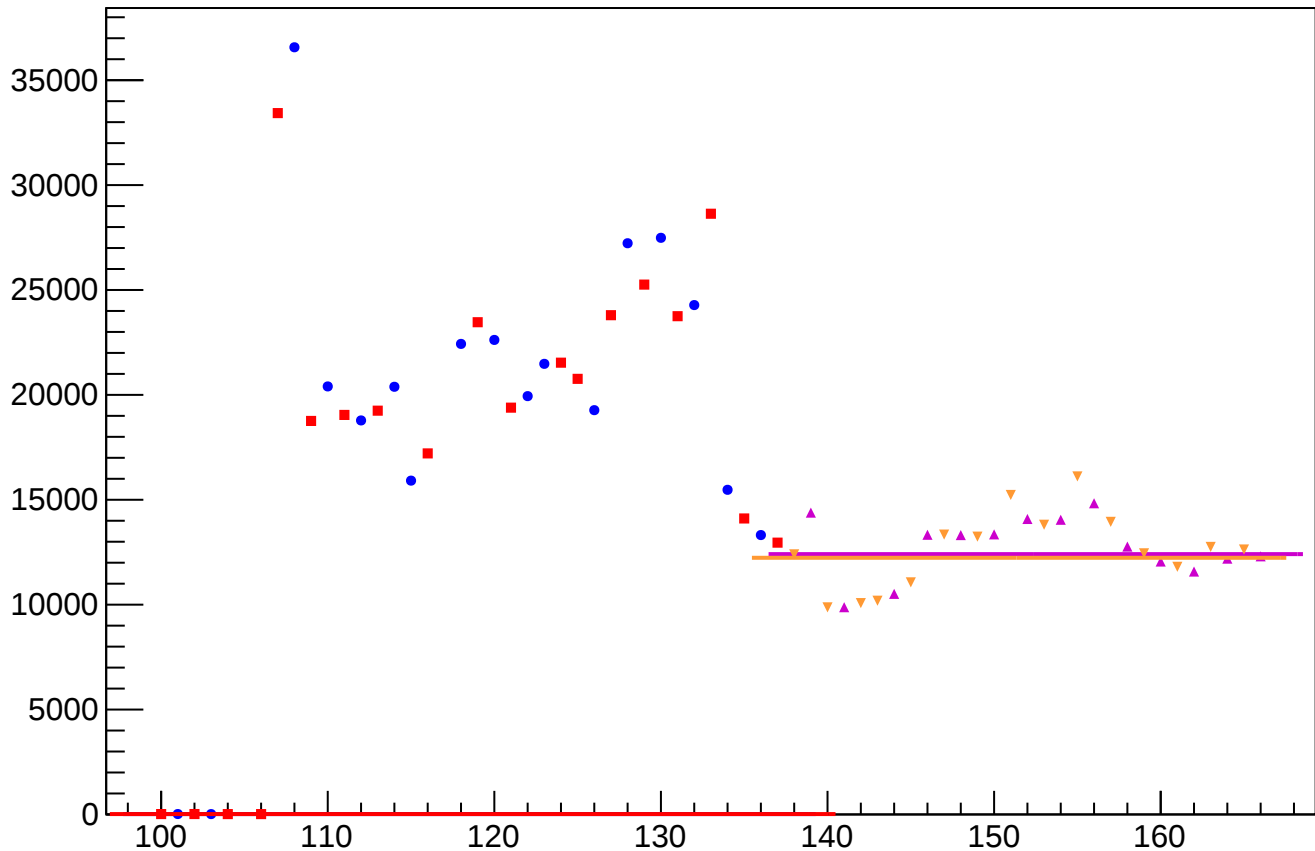
Right: 0.004 ± 0.012 $\chi^2/\text{NDF}: 31.6/35$

In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 28.4/30$

Out: -0.004 ± 0.016 $\chi^2/\text{NDF}: 76.1/33$

All: 0.004 ± 0.012 $\chi^2/\text{NDF}: 105.0/64$

diff_cav4bX_rms vs Slug, Sign Corrected



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: 12409.323+/-2.682 χ^2/NDF : 314635.6/13

Left: 12319.905+/-1.875 χ^2/NDF : 739936.5/28

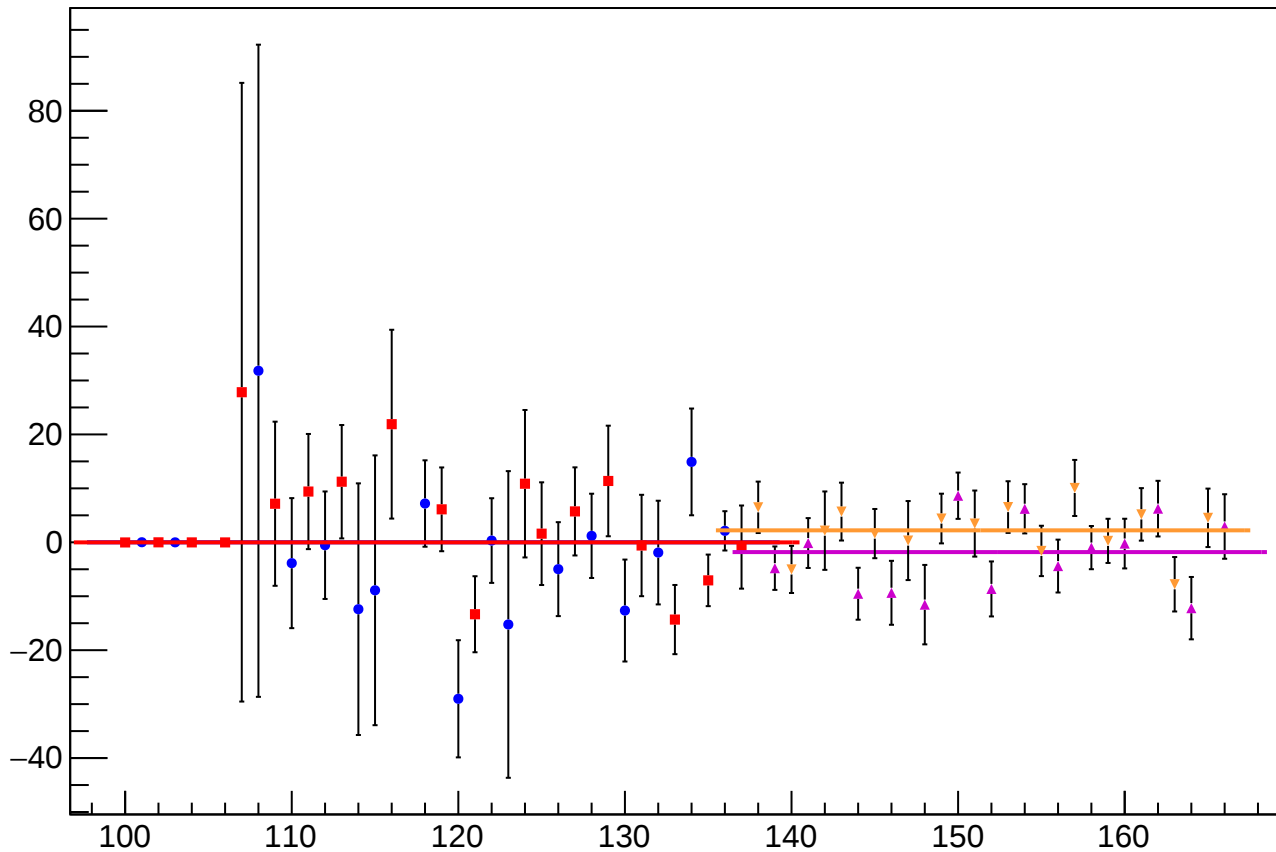
Right: 18.464+/-0.008 χ^2/NDF : 21945270.7/35

In: 18.899+/-0.012 χ^2/NDF : 32493877.1/30

Out: 18.541+/-0.011 χ^2/NDF : 33236914.8/33

All: 18.707+/-0.008 χ^2/NDF : 65731252.2/64

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 $\chi^2/\text{NDF}: 14.9/16$

Left Out: 2.217 ± 1.300 $\chi^2/\text{NDF}: 12.8/14$

Right Out: -0.014 ± 0.009 $\chi^2/\text{NDF}: 18.4/18$

Left In: -1.815 ± 1.306 $\chi^2/\text{NDF}: 24.2/13$

Left: 0.212 ± 0.921 $\chi^2/\text{NDF}: 41.8/28$

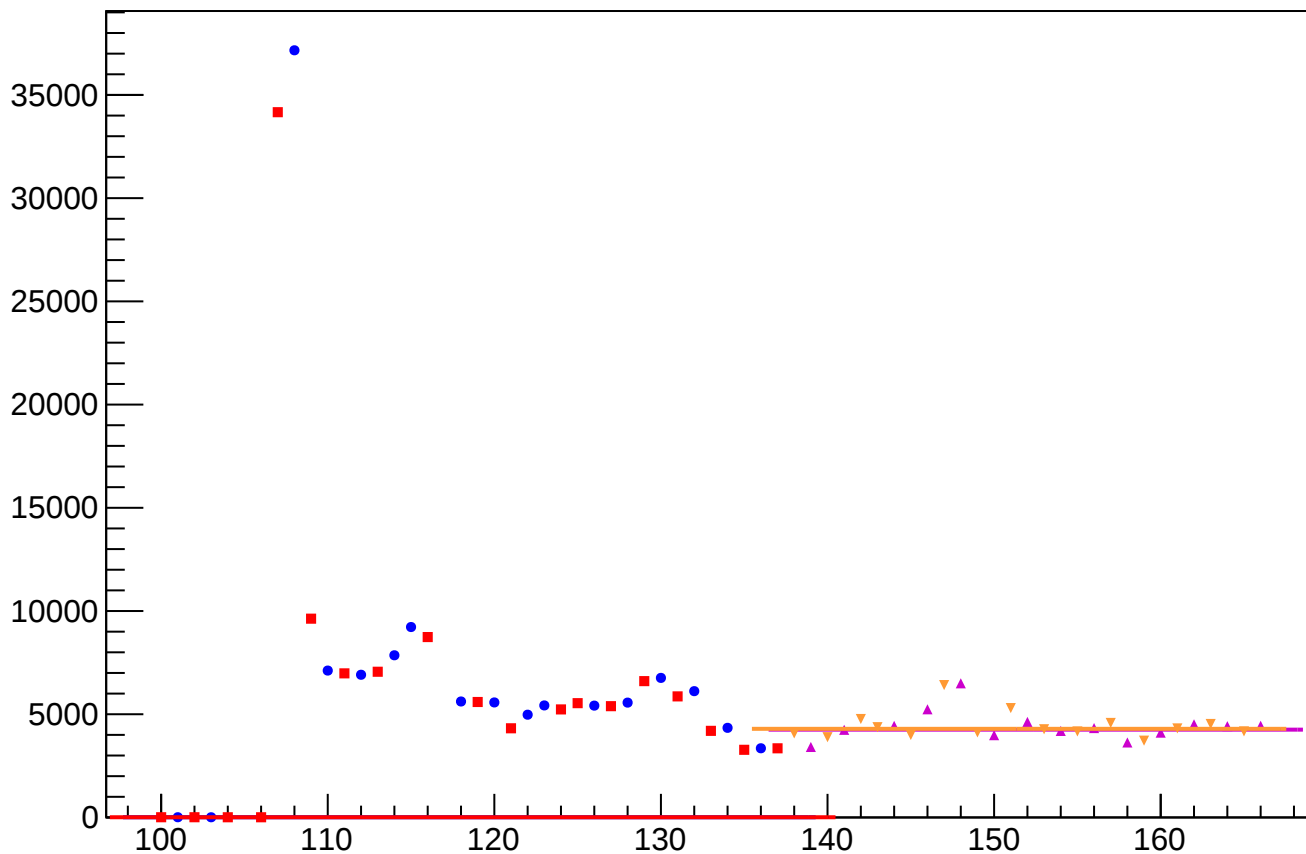
Right: -0.007 ± 0.006 $\chi^2/\text{NDF}: 34.7/35$

In: 0.001 ± 0.009 $\chi^2/\text{NDF}: 41.0/30$

Out: -0.014 ± 0.009 $\chi^2/\text{NDF}: 34.1/33$

All: -0.007 ± 0.006 $\chi^2/\text{NDF}: 76.5/64$

diff_cav4bY_rms vs Slug, Sign Corrected



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: 4253.512 $\pm$ 0.924 χ^2 /NDF:409176.7/13

Left: 4273.568 $\pm$ 0.651 χ^2 /NDF: 725376.1/28

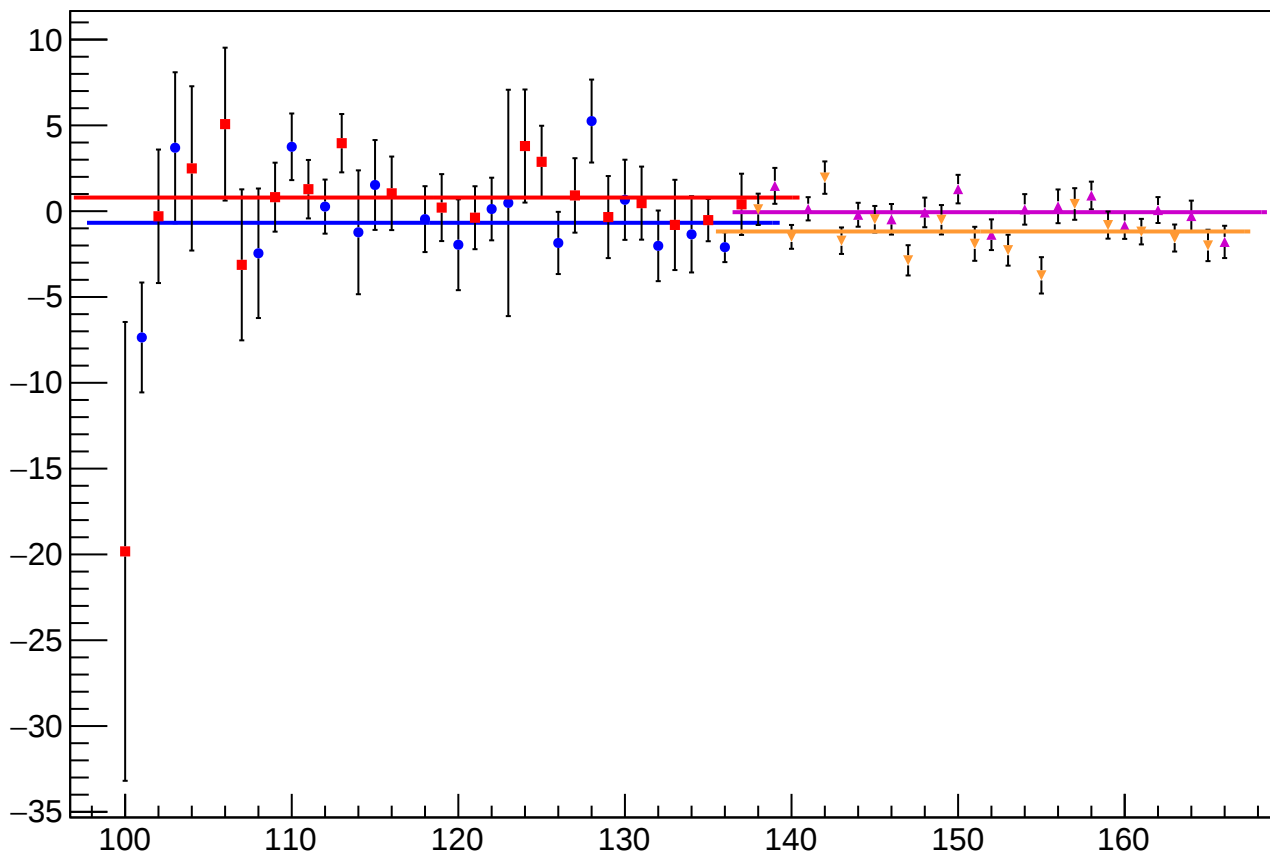
Right: 9.894 $\pm$ 0.004 χ^2 /NDF: 22126332.7/35

In: 10.149 $\pm$ 0.007 χ^2 /NDF:32483780.0/30

Out: 10.044 $\pm$ 0.006 χ^2 /NDF:33198160.2/33

All: 10.093 $\pm$ 0.004 χ^2 /NDF: 65682077.0/64

diff_cav4cX_mean vs Slug, Sign Corrected



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: -0.058 ± 0.223 χ^2/NDF : 13.4/13

Left: -0.632 ± 0.156 χ^2/NDF : 57.3/28

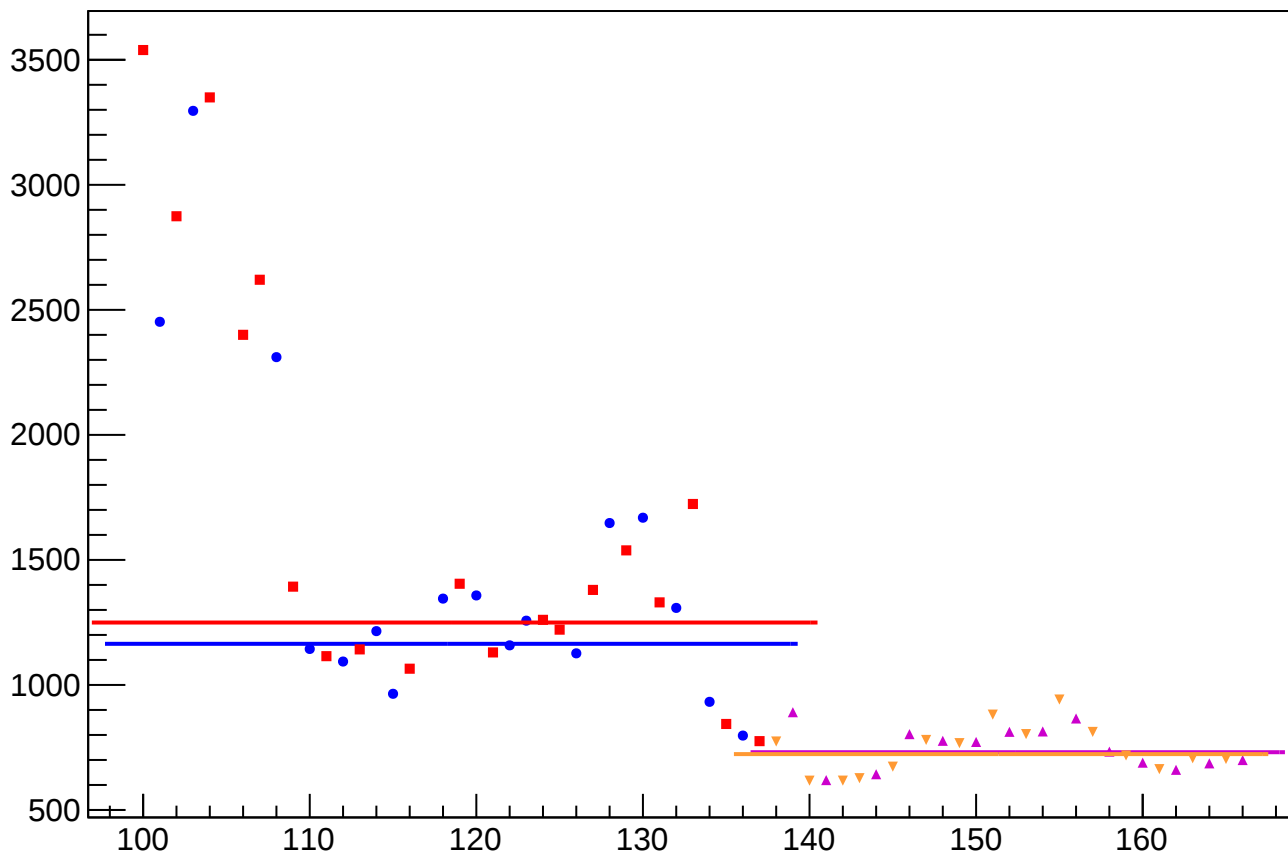
Right: 0.033 ± 0.348 χ^2/NDF : 38.7/35

In: -0.166 ± 0.203 χ^2/NDF : 37.0/30

Out: -0.866 ± 0.200 χ^2/NDF : 56.0/33

All: -0.520 ± 0.142 χ^2/NDF : 99.1/64

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 723.416+/-0.155 χ^2/NDF : 316071.0/14

Right Out: 1249.596+/-0.354 χ^2/NDF : 1650133.1/18

Left In: 730.981+/-0.158 χ^2/NDF : 258809.0/13

Left: 727.122+/-0.110 χ^2/NDF : 576053.4/28

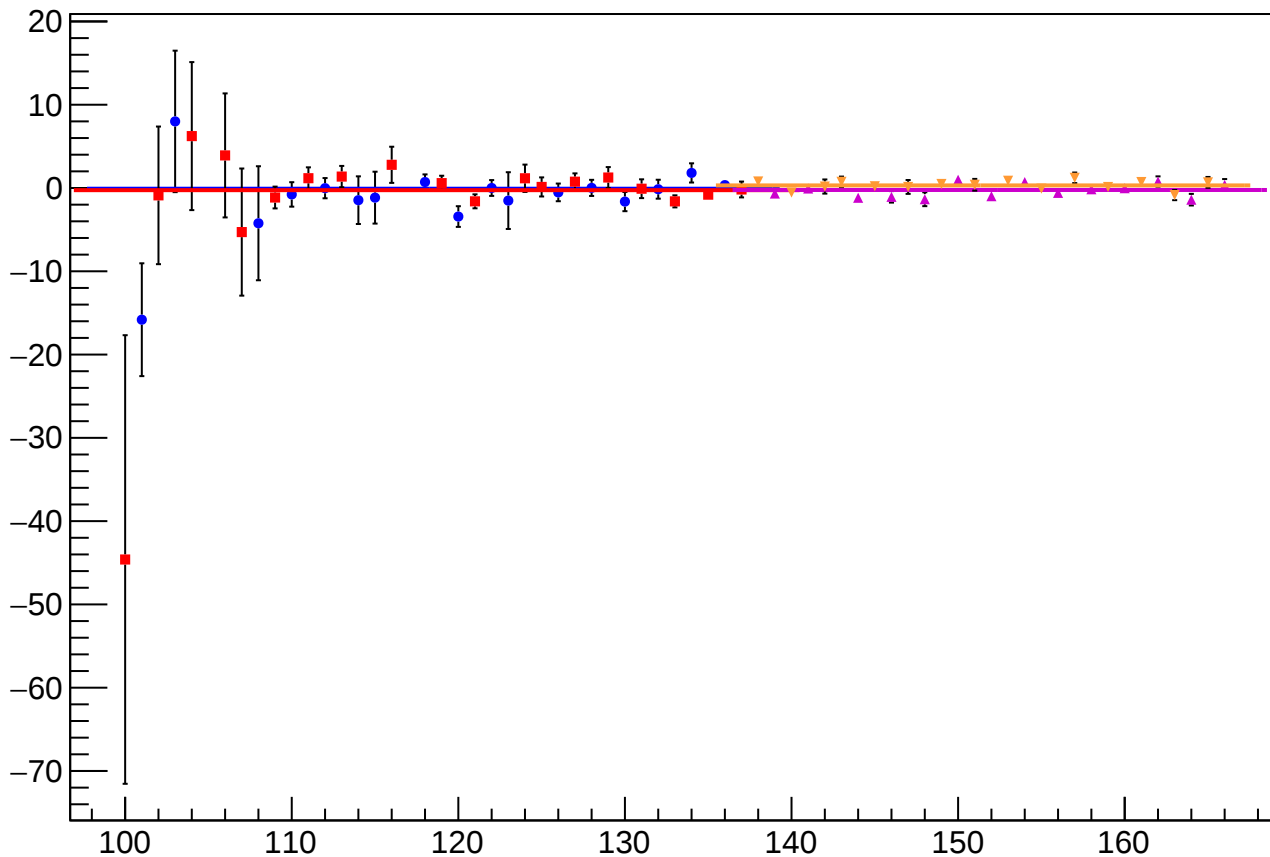
Right: 1205.546+/-0.246 χ^2/NDF : 3264193.7/35

In: 806.901+/-0.143 χ^2/NDF : 3165553.0/30

Out: 807.492+/-0.142 χ^2/NDF : 3817636.4/33

All: 807.200+/-0.101 χ^2/NDF : 6983198.0/64

diff_cav4cY_mean vs Slug, Sign Corrected



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: -0.238 ± 0.157 χ^2/NDF : 23.8/13

Left: 0.040 ± 0.111 χ^2/NDF : 42.1/28

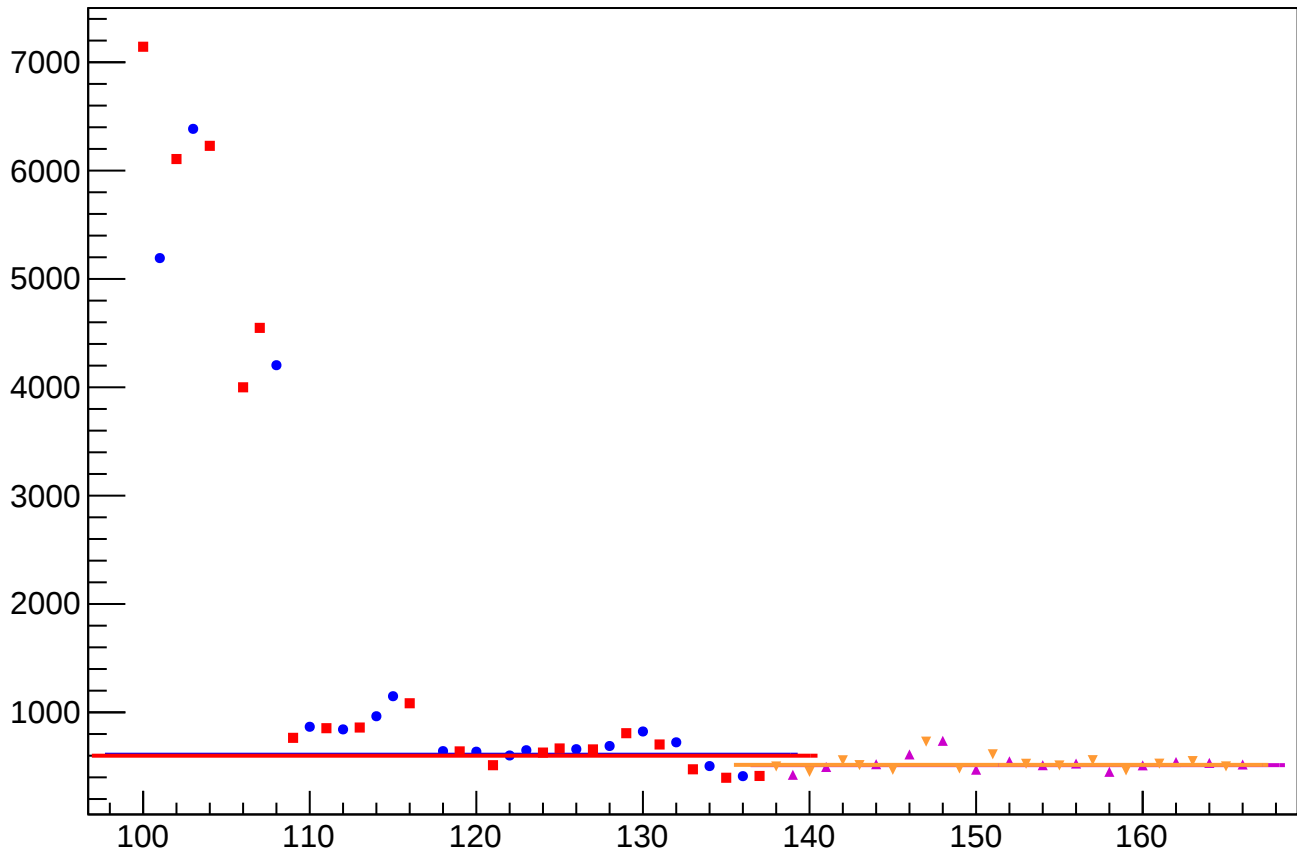
Right: -0.174 ± 0.189 χ^2/NDF : 41.7/35

In: -0.199 ± 0.136 χ^2/NDF : 45.1/30

Out: 0.165 ± 0.134 χ^2/NDF : 36.1/33

All: -0.015 ± 0.095 χ^2/NDF : 84.8/64

diff_cav4cY_rms vs Slug, Sign Corrected



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: 512.667 $\pm$ 0.111 χ^2 /NDF: 310493.5/13

Left: 513.957 $\pm$ 0.078 χ^2 /NDF: 581272.3/28

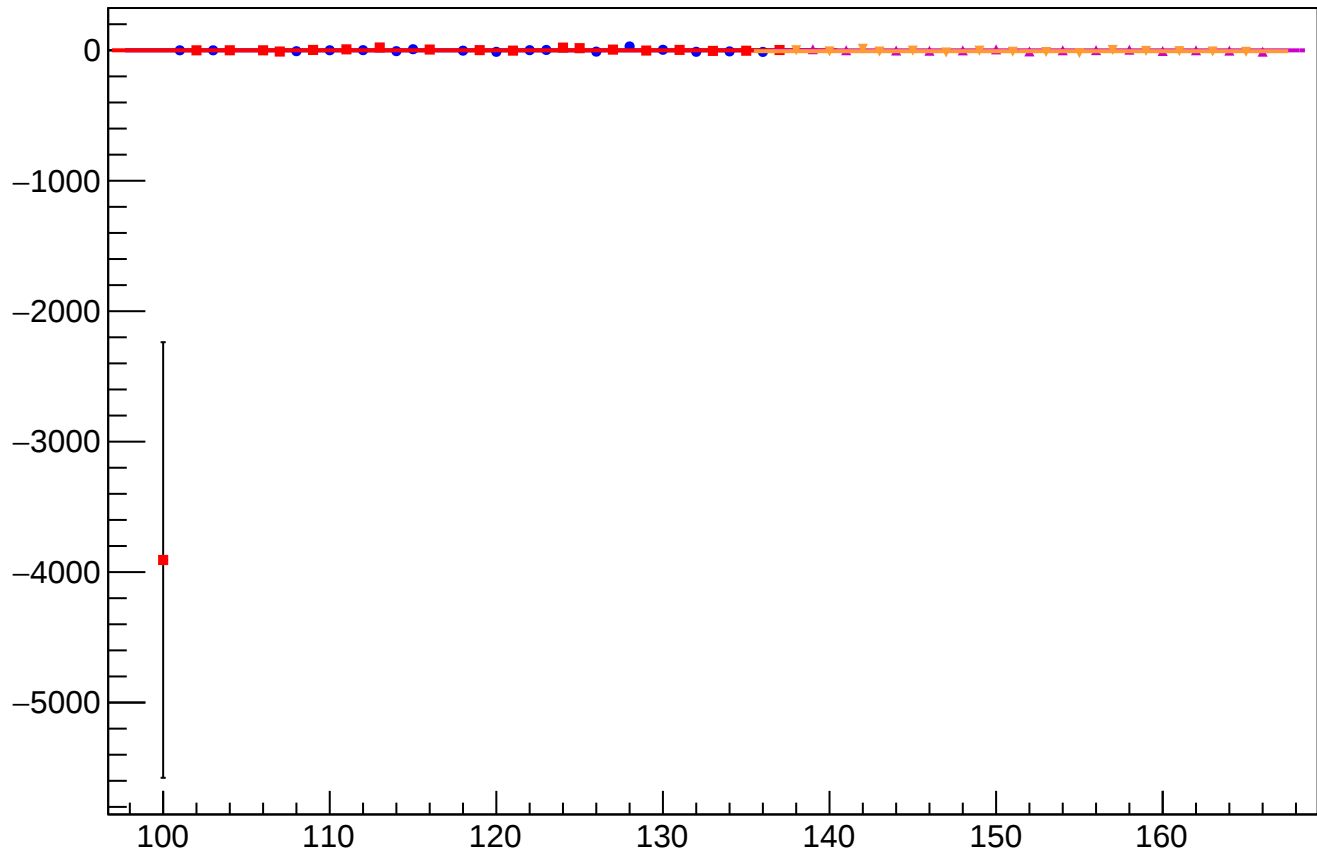
Right: 604.364 $\pm$ 0.134 χ^2 /NDF: 6687992.0/35

In: 536.999 $\pm$ 0.096 χ^2 /NDF: 3639870.9/30

Out: 537.034 $\pm$ 0.095 χ^2 /NDF: 3970519.6/33

All: 537.017 $\pm$ 0.067 χ^2 /NDF: 7610390.6/64

diff_cav4dX_mean vs Slug, Sign Corrected



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: -0.363 ± 1.303 χ^2/NDF : 13.1/13

Left: -3.665 ± 0.911 χ^2/NDF : 56.7/28

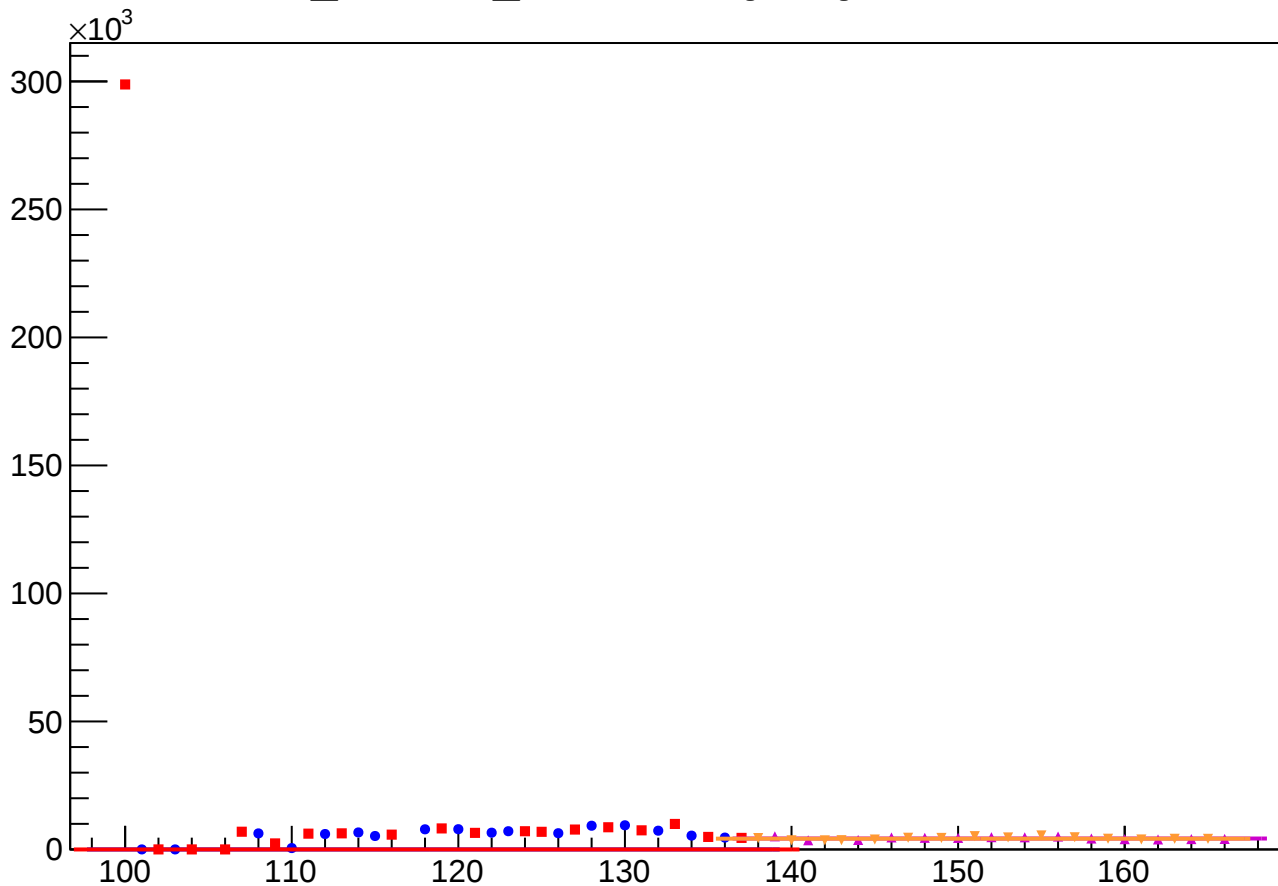
Right: 0.004 ± 0.014 χ^2/NDF : 35.4/35

In: -0.022 ± 0.021 χ^2/NDF : 28.4/30

Out: 0.025 ± 0.020 χ^2/NDF : 77.2/33

All: 0.003 ± 0.014 χ^2/NDF : 108.3/64

diff_cav4dX_rms vs Slug, Sign Corrected



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: 4269.961 $\pm$ 0.922 χ^2 /NDF: 261831.9/13

Left: 4241.474 $\pm$ 0.644 χ^2 /NDF: 597739.0/28

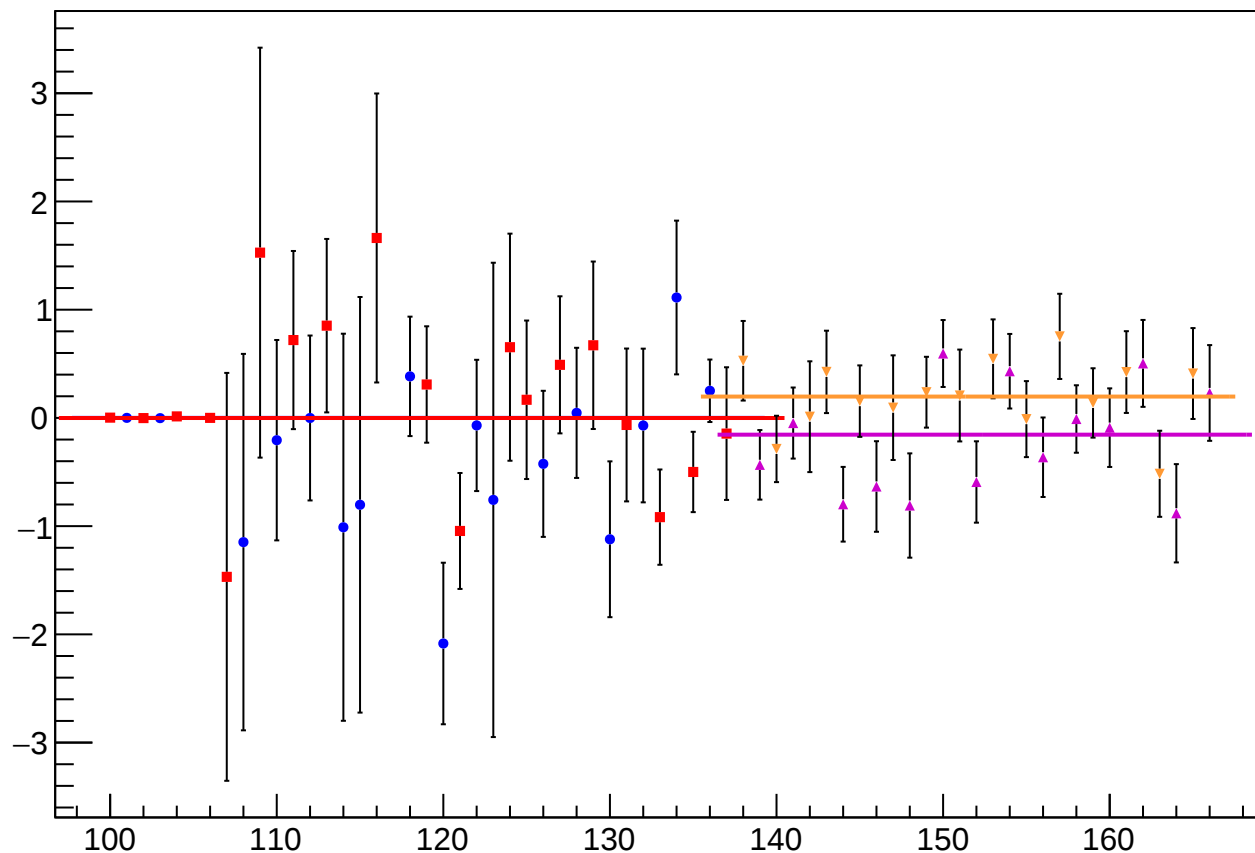
Right: 17.301 $\pm$ 0.010 χ^2 /NDF: 21172771.7/35

In: 18.419 $\pm$ 0.015 χ^2 /NDF: 31911606.4/30

Out: 18.279 $\pm$ 0.014 χ^2 /NDF: 32843961.4/33

All: 18.346 $\pm$ 0.010 χ^2 /NDF: 64755615.4/64

diff_cav4dY_mean vs Slug, Sign Corrected



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: -0.155 $\pm$ 0.098 χ^2/NDF : 24.2/13

Left: 0.024 $\pm$ 0.069 χ^2/NDF : 41.8/28

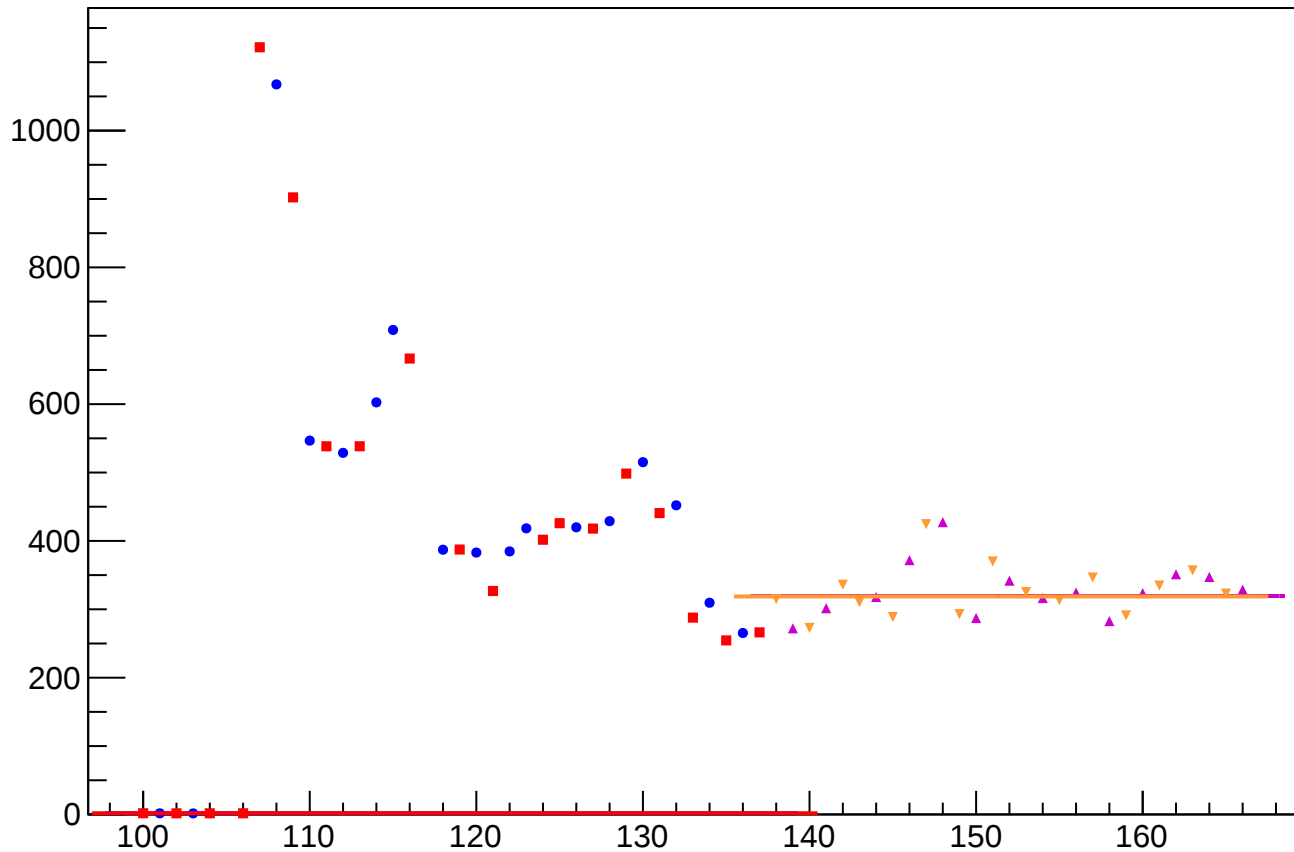
Right: -0.000 $\pm$ 0.001 χ^2/NDF : 33.6/35

In: 0.000 $\pm$ 0.002 χ^2/NDF : 42.3/30

Out: -0.001 $\pm$ 0.002 χ^2/NDF : 33.0/33

All: -0.000 $\pm$ 0.001 χ^2/NDF : 75.5/64

diff_cav4dY_rms vs Slug, Sign Corrected



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: 319.439+/-0.069 χ^2/NDF : 259478.0/13

Left: 319.101+/-0.048 χ^2/NDF : 509848.2/28

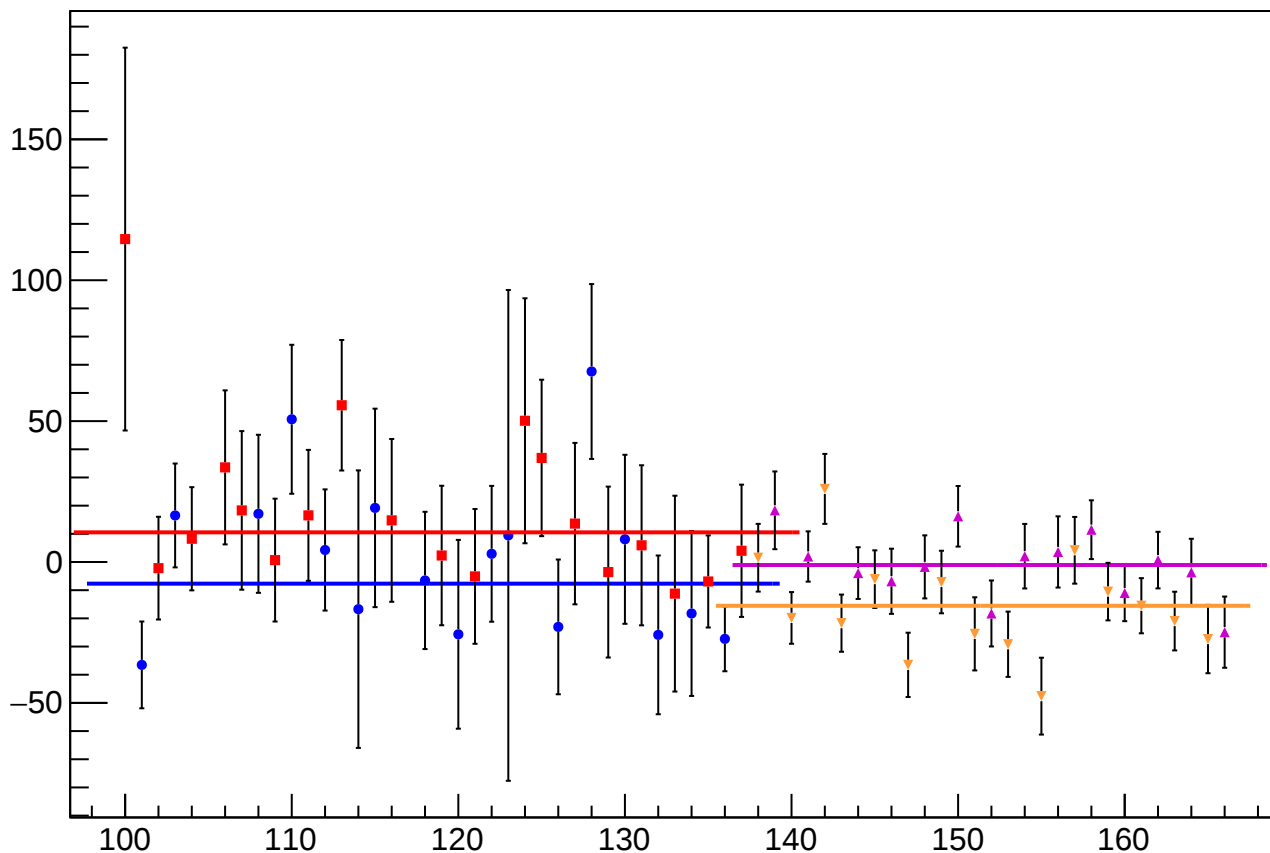
Right: 1.714+/-0.001 χ^2/NDF : 21648518.8/35

In: 1.835+/-0.001 χ^2/NDF : 32317738.4/30

Out: 1.857+/-0.001 χ^2/NDF : 32670729.7/33

All: 1.846+/-0.001 χ^2/NDF : 64988590.7/64

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 $\pm$ 5.627 χ^2/NDF : 22.4/16

Left Out: -15.538 $\pm$ 2.859 χ^2/NDF : 30.3/14

Right Out: 10.524 $\pm$ 5.682 χ^2/NDF : 11.9/18

Left In: -1.067 $\pm$ 2.918 χ^2/NDF : 13.5/13

Left: -8.451 $\pm$ 2.042 χ^2/NDF : 56.3/28

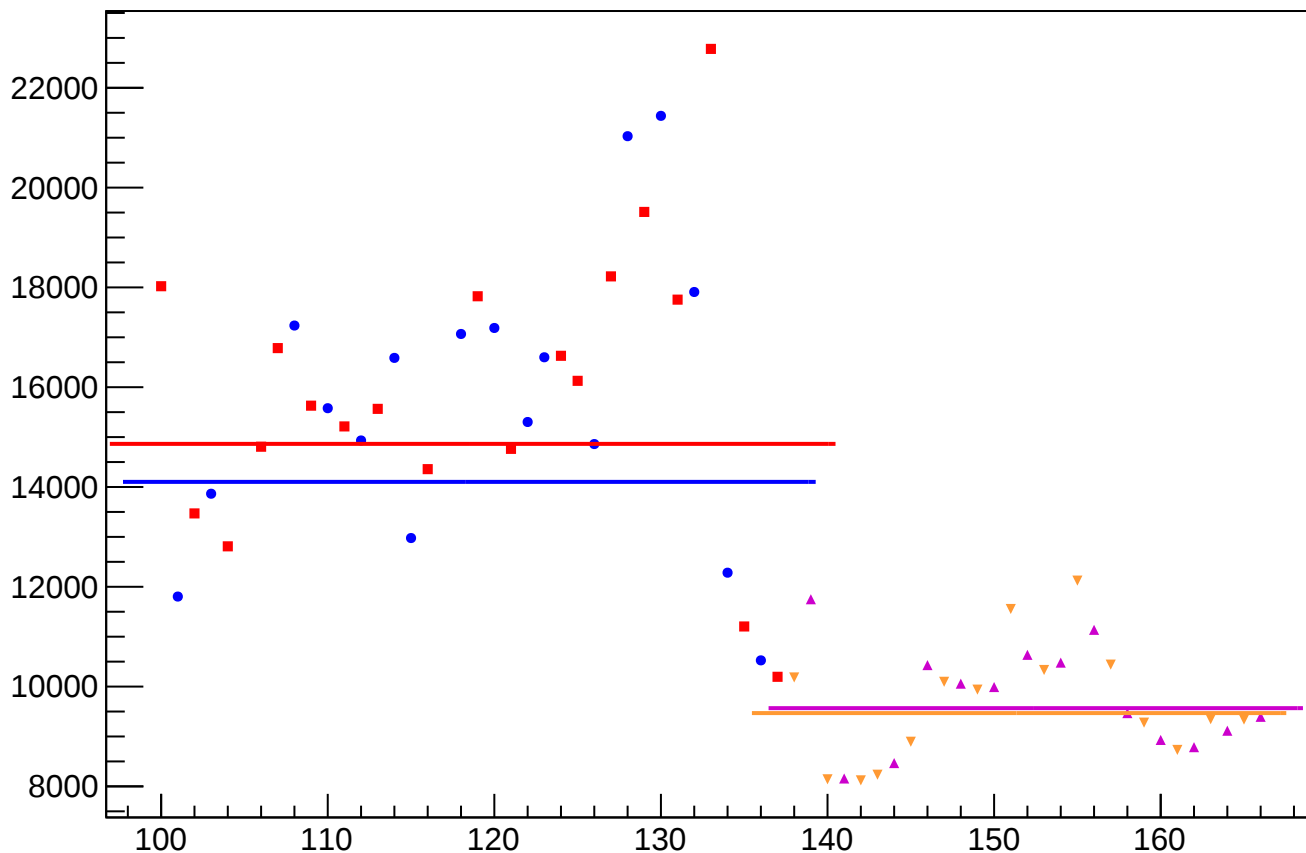
Right: 1.332 $\pm$ 3.998 χ^2/NDF : 39.4/35

In: -2.469 $\pm$ 2.591 χ^2/NDF : 36.9/30

Out: -10.273 $\pm$ 2.554 χ^2/NDF : 59.0/33

All: -6.427 $\pm$ 1.819 χ^2/NDF : 100.5/64

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9468.824 $\pm$ 2.022 χ^2 /NDF: 282702.8/14

Right Out: 14864.163 $\pm$ 4.018 χ^2 /NDF: 470280.3/18

Left In: 9567.691 $\pm$ 2.063 χ^2 /NDF: 230780.3/13

Left: 9517.247 $\pm$ 1.444 χ^2 /NDF: 514654.4/28

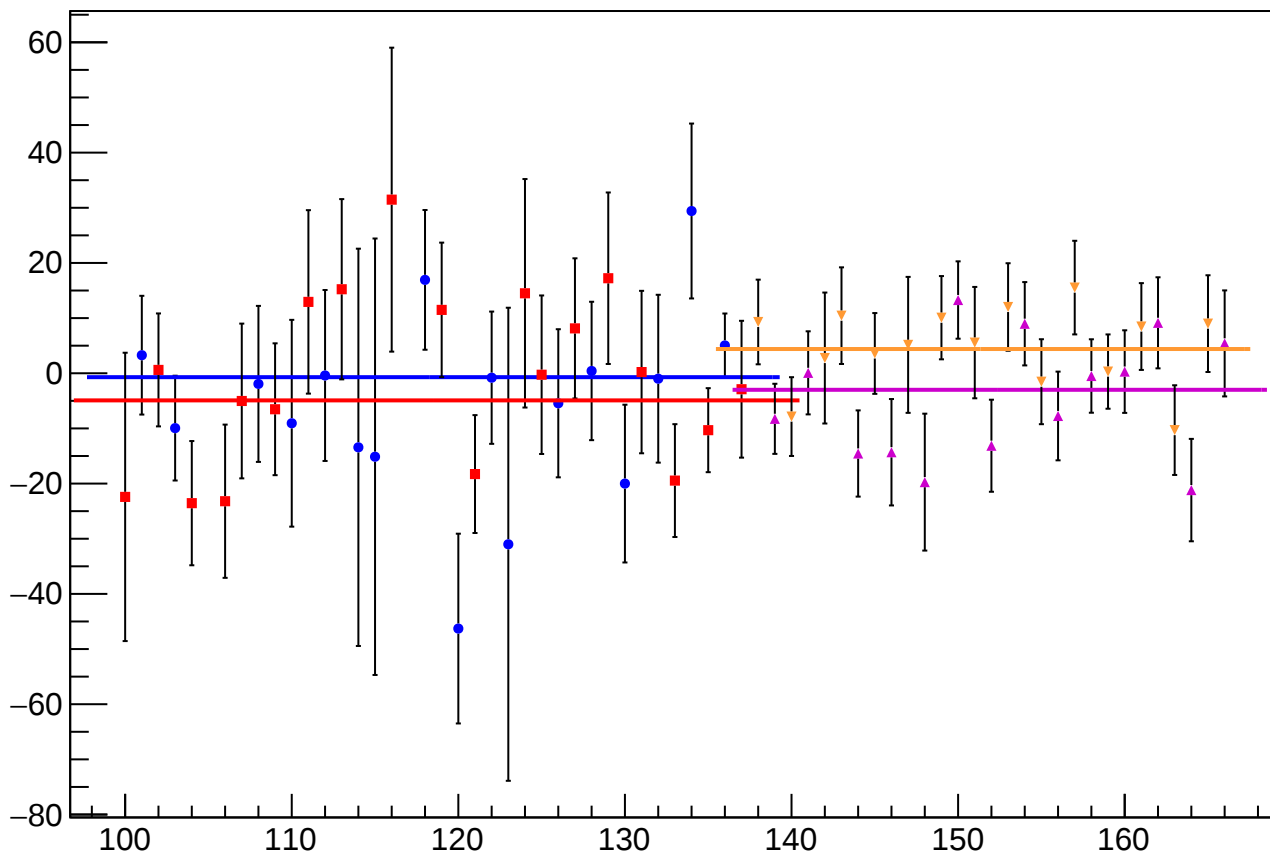
Right: 14479.636 $\pm$ 2.827 χ^2 /NDF: 1087356.3/35

In: 10528.772 $\pm$ 1.832 χ^2 /NDF: 1853311.9/30

Out: 10558.834 $\pm$ 1.806 χ^2 /NDF: 2191831.6/33

All: 10544.016 $\pm$ 1.286 χ^2 /NDF: 4045280.1/66

diff_bpm4aY_mean vs Slug, Sign Corrected



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: -2.998 ± 2.126 χ^2/NDF : 23.1/13

Left: 0.708 ± 1.502 χ^2/NDF : 41.0/28

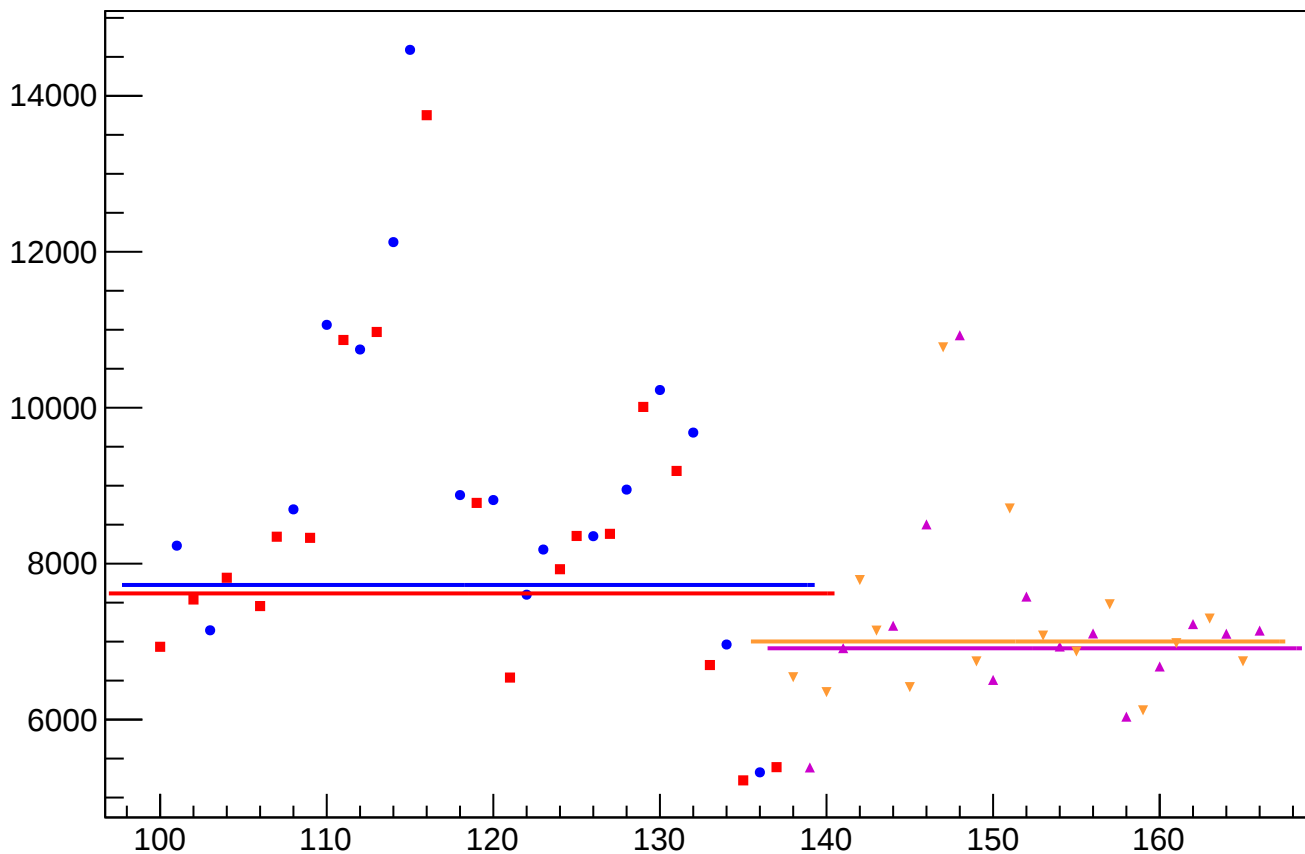
Right: -2.914 ± 2.128 χ^2/NDF : 38.3/35

In: -2.260 ± 1.750 χ^2/NDF : 41.0/30

Out: 1.207 ± 1.720 χ^2/NDF : 38.2/33

All: -0.496 ± 1.227 χ^2/NDF : 81.2/64

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 7001.822+/-1.500 χ^2/NDF : 338387.7/14

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

Left In: 6914.314+/-1.503 χ^2/NDF : 443878.6/13

Left: 6958.174+/-1.062 χ^2/NDF : 783964.3/28

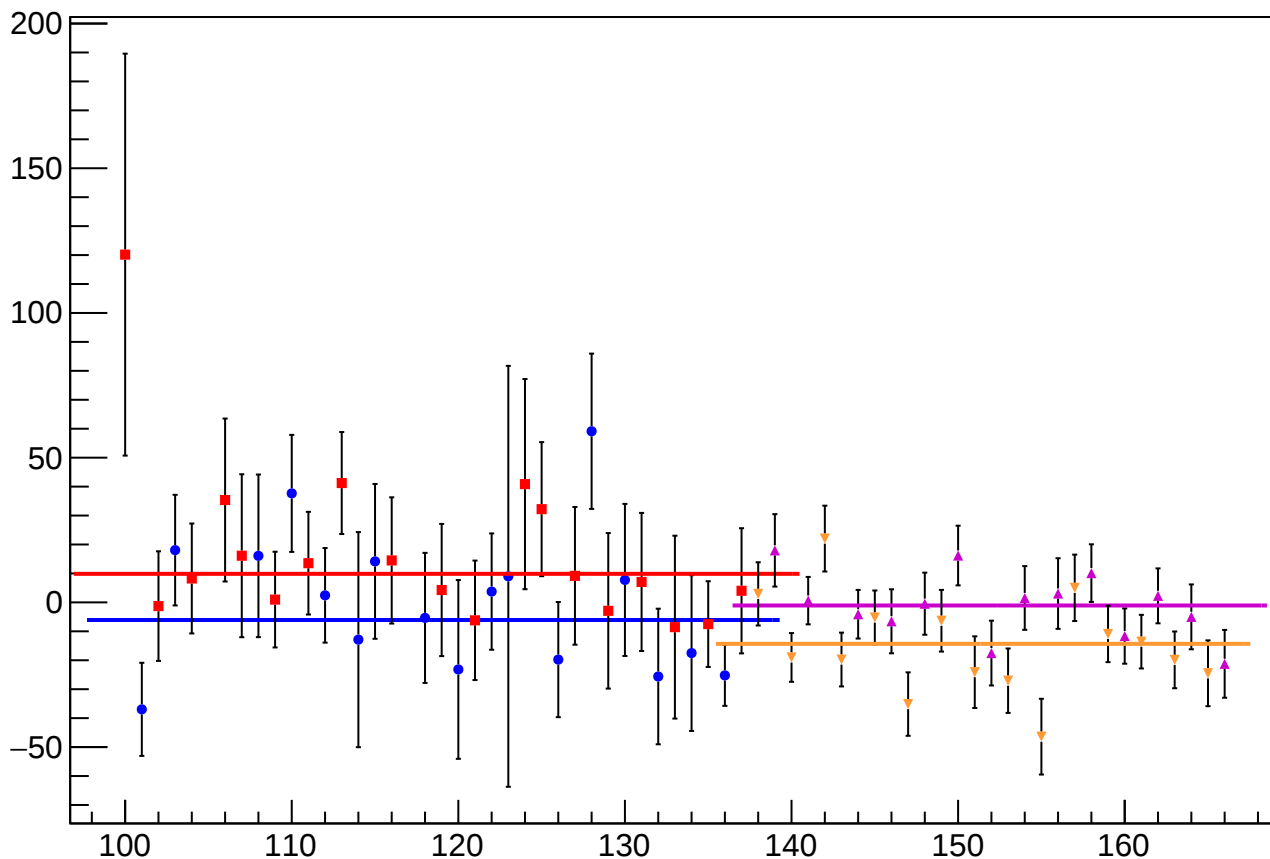
Right: 7669.883+/-1.504 χ^2/NDF : 1418936.4/35

In: 7176.118+/-1.238 χ^2/NDF : 1280490.0/30

Out: 7212.860+/-1.216 χ^2/NDF : 1071342.5/33

All: 7194.811+/-0.868 χ^2/NDF : 2352280.8/64

diff_bpm4eX_mean vs Slug, Sign Corrected



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: -1.071 ± 2.751 χ^2/NDF : 13.6/13

Left: -7.862 ± 1.922 χ^2/NDF : 56.0/28

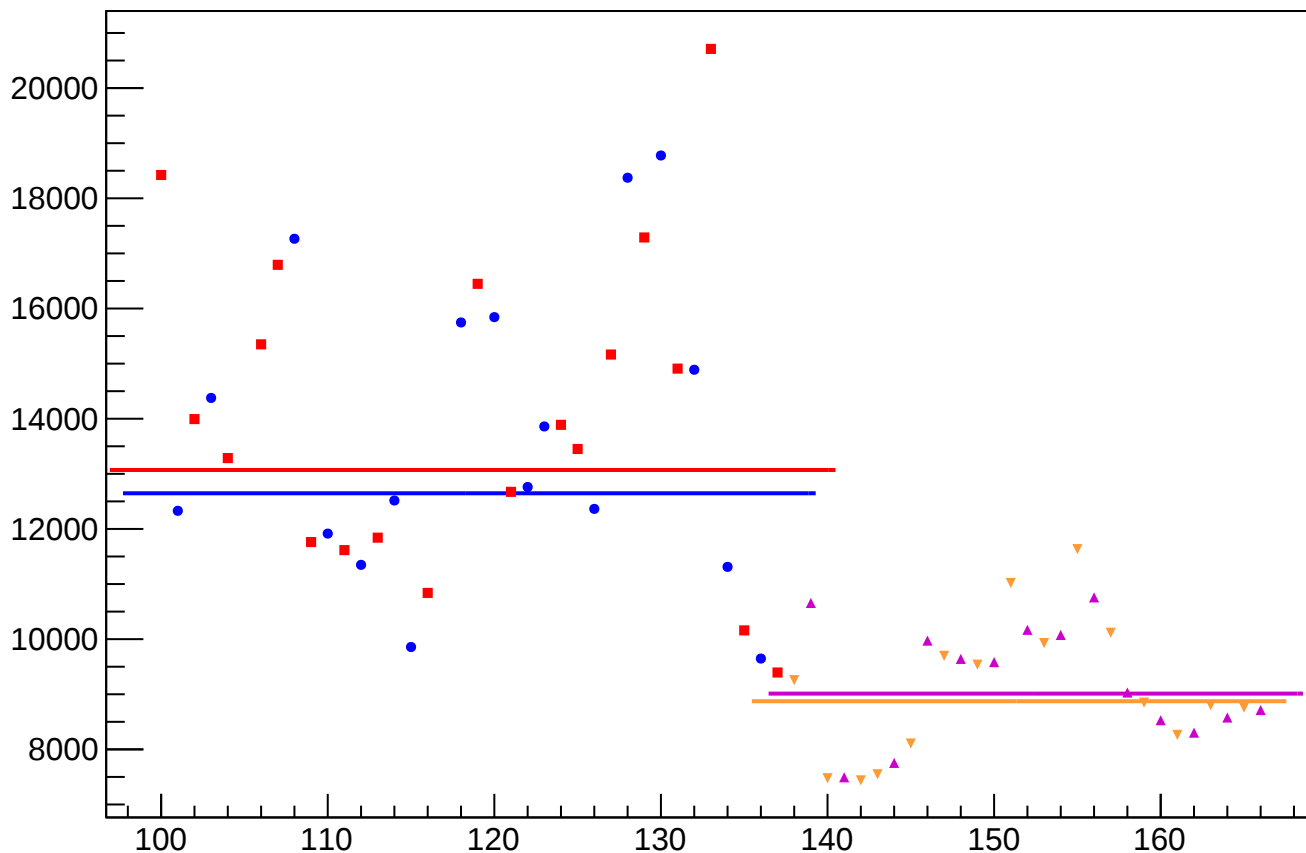
Right: 1.934 ± 3.549 χ^2/NDF : 39.6/35

In: -2.226 ± 2.414 χ^2/NDF : 37.2/30

Out: -8.919 ± 2.366 χ^2/NDF : 60.3/33

All: -5.641 ± 1.690 χ^2/NDF : 101.5/64

diff_bpm4eX_rms vs Slug, Sign Corrected



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: 9011.832+/-1.946 χ^2/NDF : 277802.9/13

Left: 8941.103+/-1.359 χ^2/NDF : 642501.6/28

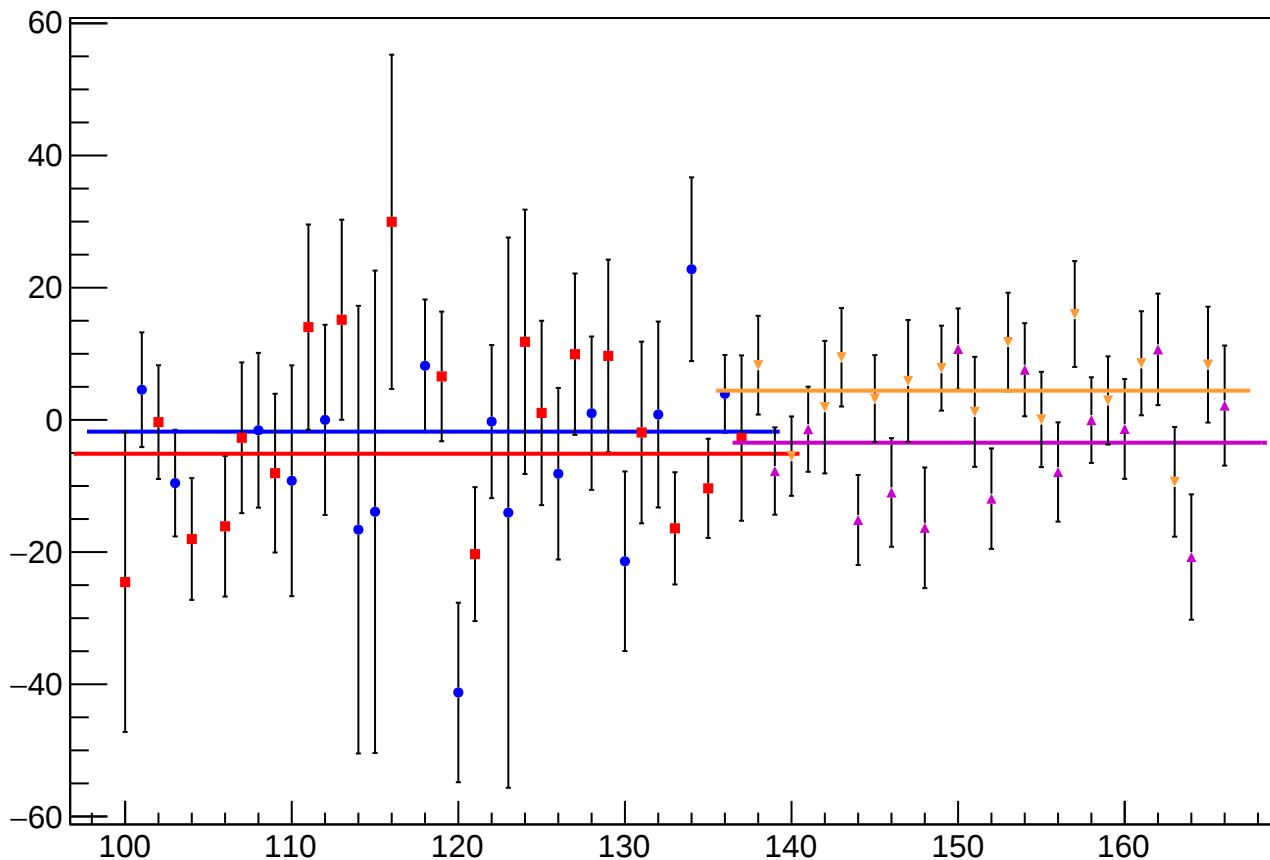
Right: 12859.864+/-2.509 χ^2/NDF : 1057685.3/35

In: 9848.157+/-1.707 χ^2/NDF : 1635335.2/30

Out: 9811.743+/-1.673 χ^2/NDF : 1950602.2/33

All: 9829.579+/-1.195 χ^2/NDF : 3586169.5/64

diff_bpm4eY_mean vs Slug, Sign Corrected



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: -3.450 ± 1.977 χ^2/NDF : 22.6/13

Left: 0.563 ± 1.384 χ^2/NDF : 41.4/28

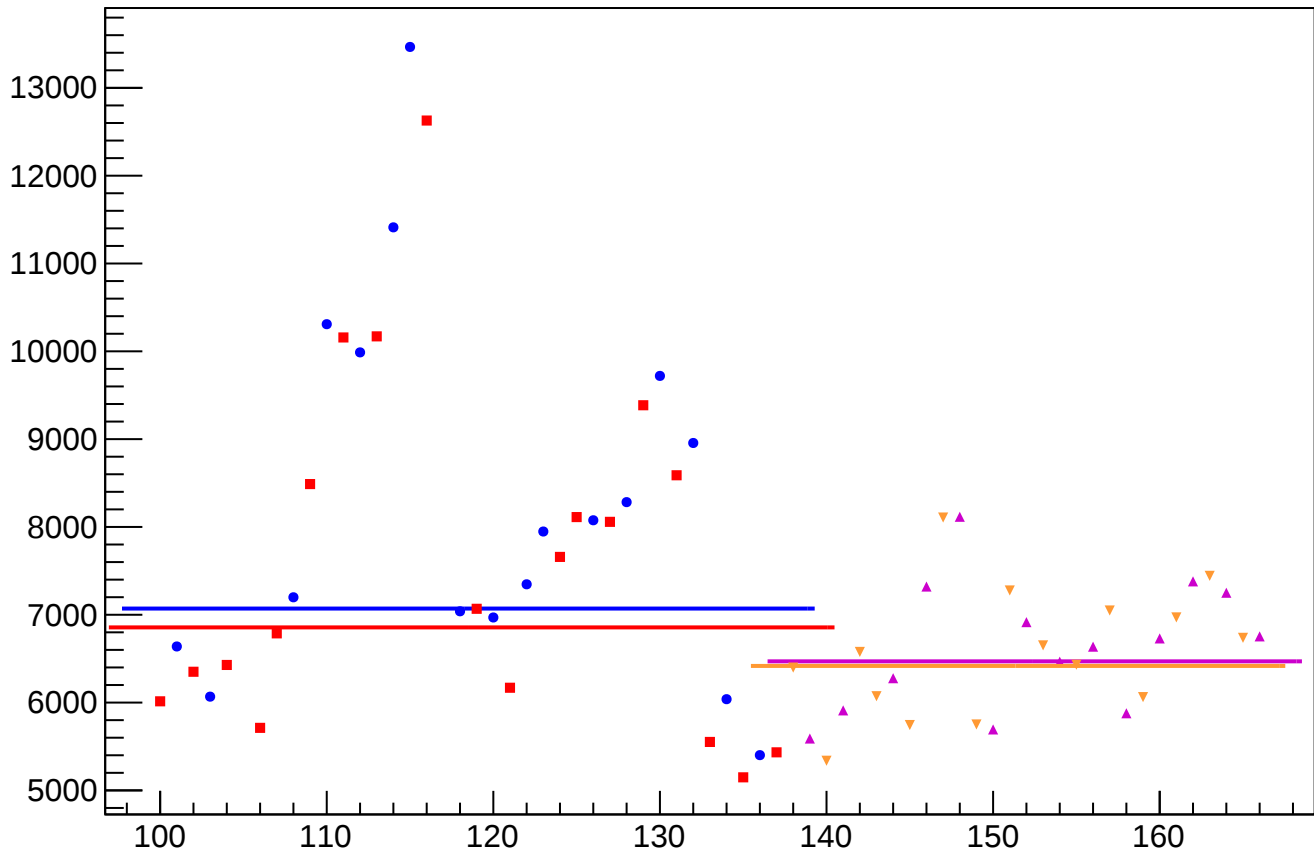
Right: -3.550 ± 1.923 χ^2/NDF : 37.6/35

In: -2.895 ± 1.616 χ^2/NDF : 40.8/30

Out: 1.082 ± 1.563 χ^2/NDF : 38.1/33

All: -0.840 ± 1.123 χ^2/NDF : 82.0/64

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6417.306 $\pm$ 1.371 χ^2 /NDF: 263655.7/14

Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

Left In: 6469.652 $\pm$ 1.398 χ^2 /NDF: 236404.1/13

Left: 6442.963 $\pm$ 0.979 χ^2 /NDF: 500774.7/28

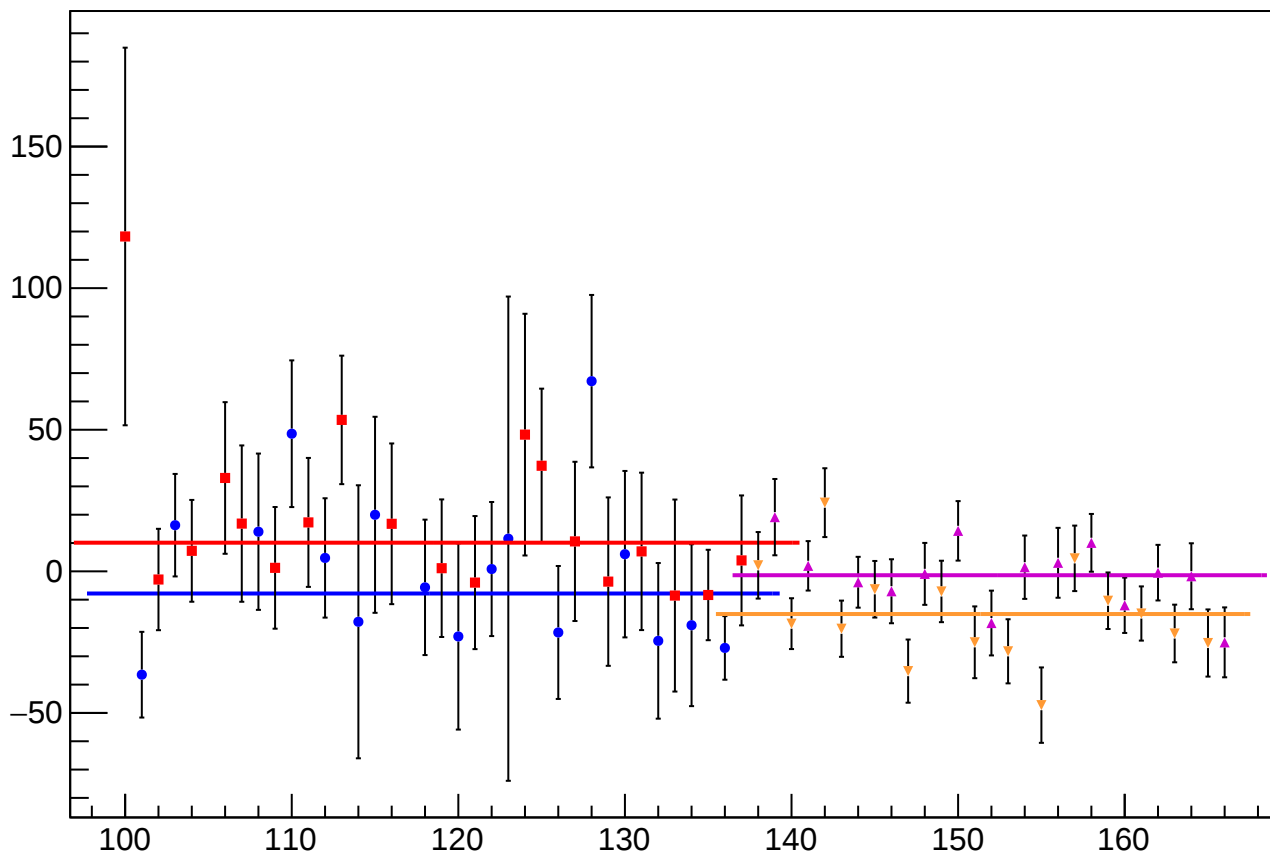
Right: 6956.947 $\pm$ 1.360 χ^2 /NDF: 1290110.2/35

In: 6669.021 $\pm$ 1.143 χ^2 /NDF: 899415.3/30

Out: 6570.869 $\pm$ 1.105 χ^2 /NDF: 981747.7/33

All: 6618.300 $\pm$ 0.794 χ^2 /NDF: 1884975.2/64

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 $\pm$ 5.516 χ^2/NDF : 22.3/16

Left Out: -15.072 $\pm$ 2.795 χ^2/NDF : 29.7/14

Right Out: 10.117 $\pm$ 5.571 χ^2/NDF : 12.2/18

Left In: -1.372 $\pm$ 2.852 χ^2/NDF : 13.5/13

Left: -8.361 $\pm$ 1.996 χ^2/NDF : 55.0/28

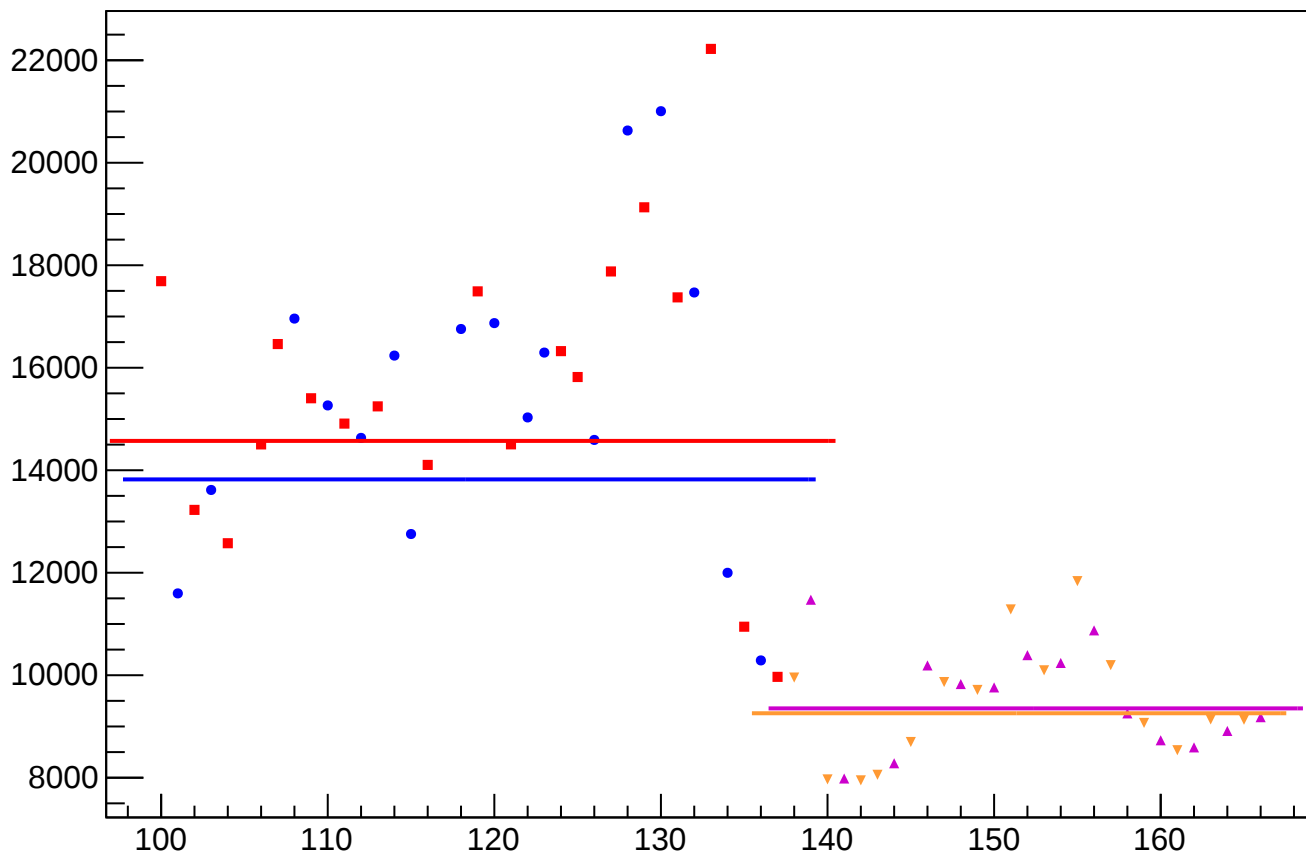
Right: 1.056 $\pm$ 3.920 χ^2/NDF : 39.7/35

In: -2.733 $\pm$ 2.534 χ^2/NDF : 36.9/30

Out: -10.007 $\pm$ 2.498 χ^2/NDF : 58.2/33

All: -6.421 $\pm$ 1.779 χ^2/NDF : 99.3/64

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2 /NDF: 602672.4/16

Left Out: 9257.886 $\pm$ 1.976 χ^2 /NDF: 279471.0/14

Right Out: 14572.437 $\pm$ 3.939 χ^2 /NDF: 472468.2/18

Left In: 9353.014 $\pm$ 2.017 χ^2 /NDF: 228013.2/13

Left: 9304.484 $\pm$ 1.412 χ^2 /NDF: 508619.0/28

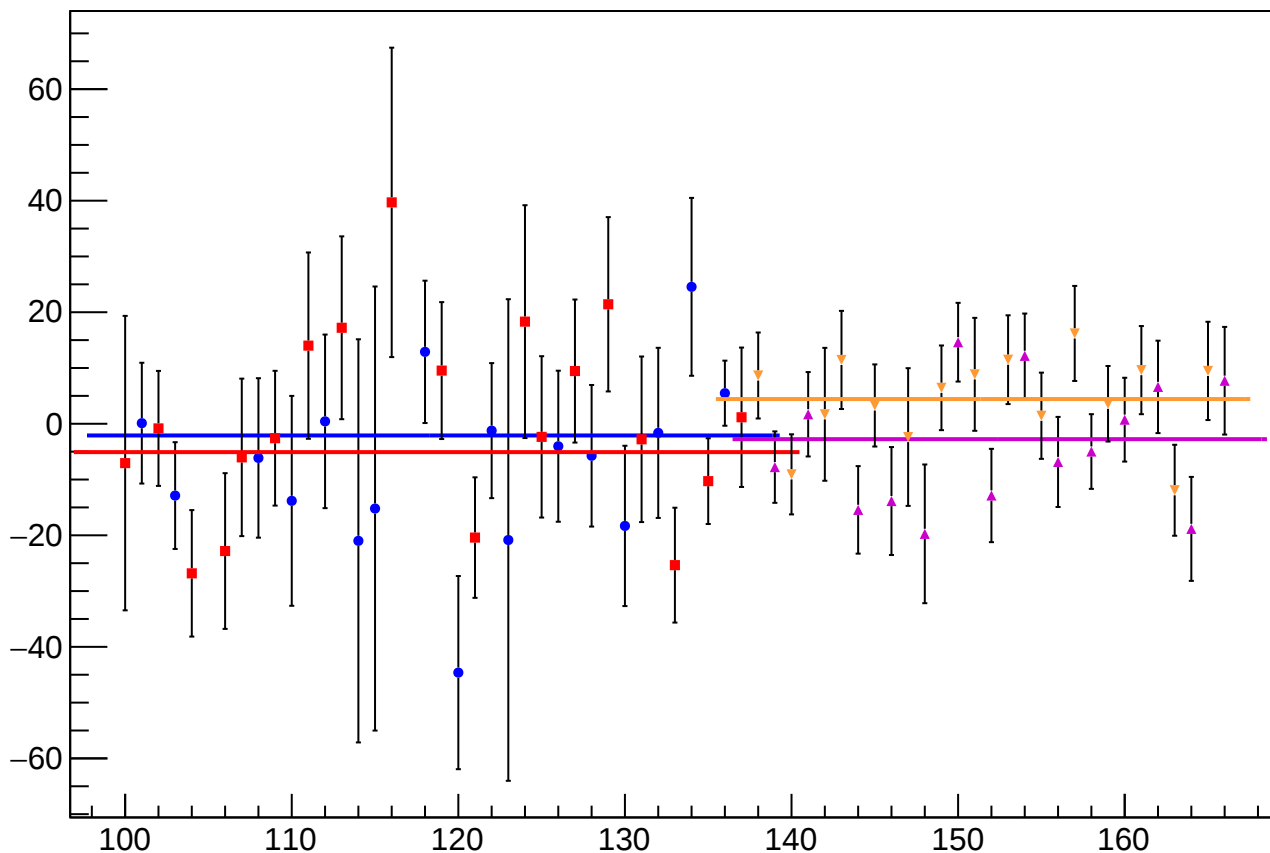
Right: 14193.062 $\pm$ 2.772 χ^2 /NDF: 1093505.5/35

In: 10295.828 $\pm$ 1.792 χ^2 /NDF: 1866197.2/30

Out: 10326.598 $\pm$ 1.767 χ^2 /NDF: 2205951.7/33

All: 10311.430 $\pm$ 1.258 χ^2 /NDF: 4072298.4/66

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 $\pm$ 3.106 χ^2/NDF : 15.6/16

Left Out: 4.431 $\pm$ 2.130 χ^2/NDF :12.8/14

Right Out: -5.085 $\pm$ 2.962 χ^2/NDF : 24.8/18

Left In: -2.761 $\pm$ 2.136 χ^2/NDF :24.2/13

Left: 0.845 $\pm$ 1.509 χ^2/NDF : 42.6/28

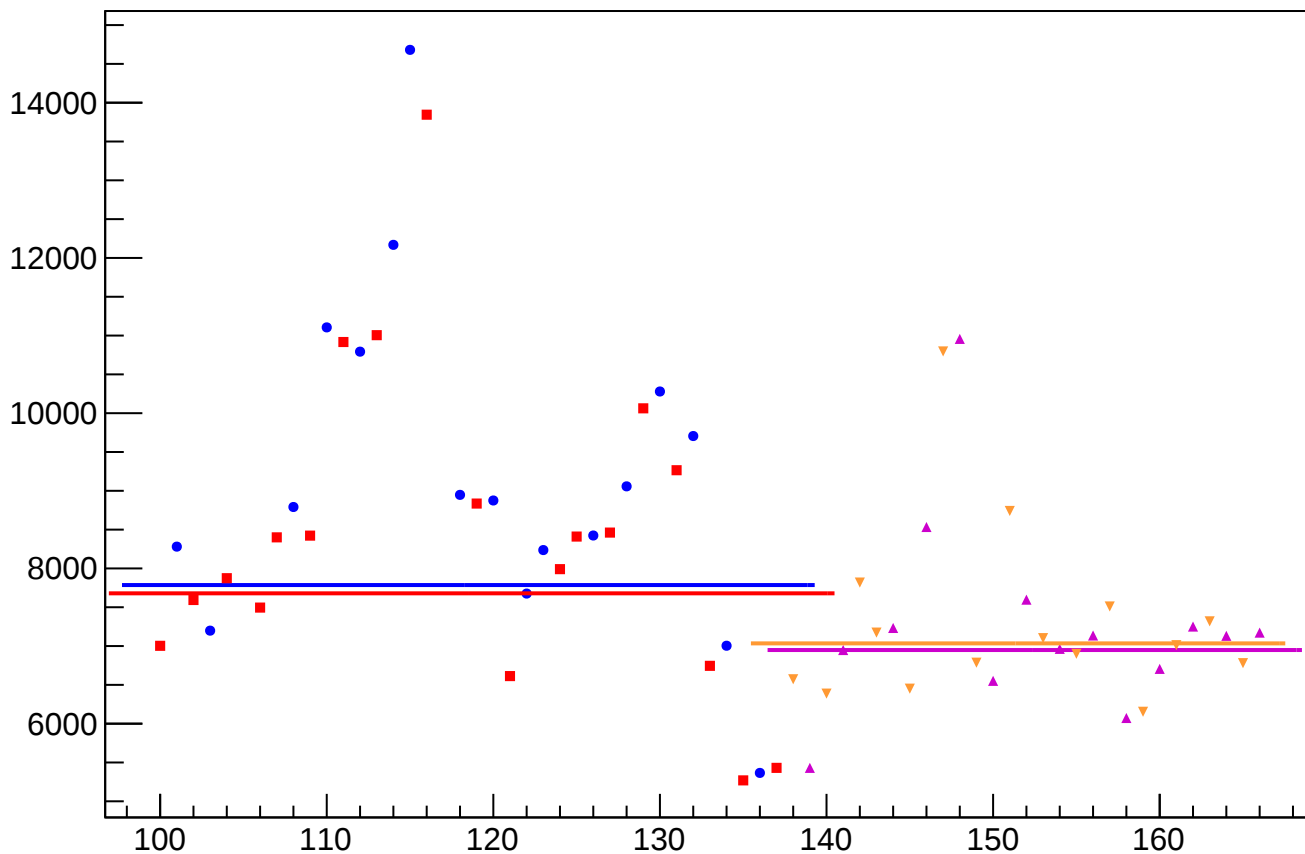
Right: -3.662 $\pm$ 2.144 χ^2/NDF : 40.9/35

In: -2.548 $\pm$ 1.760 χ^2/NDF :39.9/30

Out: 1.187 $\pm$ 1.730 χ^2/NDF :44.3/33

All: -0.648 $\pm$ 1.234 χ^2/NDF : 86.5/64

diff_bpm4acY_rms vs Slug, Sign Corrected



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: 6948.736+/-1.511 χ^2/NDF : 436601.4/13

Left: 6991.688+/-1.067 χ^2/NDF : 772796.3/28

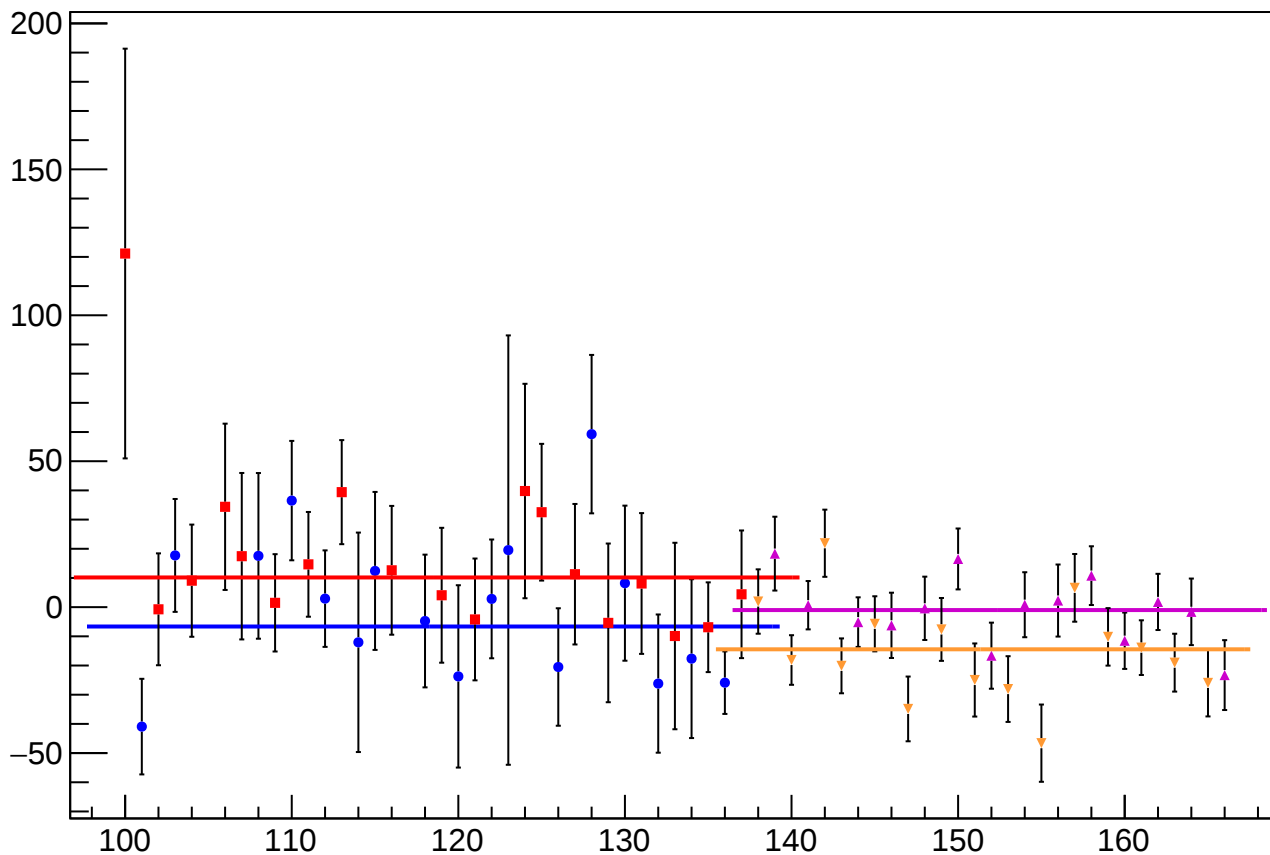
Right: 7730.020+/-1.516 χ^2/NDF : 1408075.7/35

In: 7217.531+/-1.245 χ^2/NDF : 1273325.5/30

Out: 7254.230+/-1.223 χ^2/NDF : 1065771.2/33

All: 7236.202+/-0.872 χ^2/NDF : 2339539.1/64

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -14.445 ± 2.714 χ^2/NDF : 30.1/14

Right Out: 10.172 ± 5.075 χ^2/NDF : 10.8/18

Left In: -1.002 ± 2.786 χ^2/NDF : 13.8/13

Left: -7.899 ± 1.944 χ^2/NDF : 55.9/28

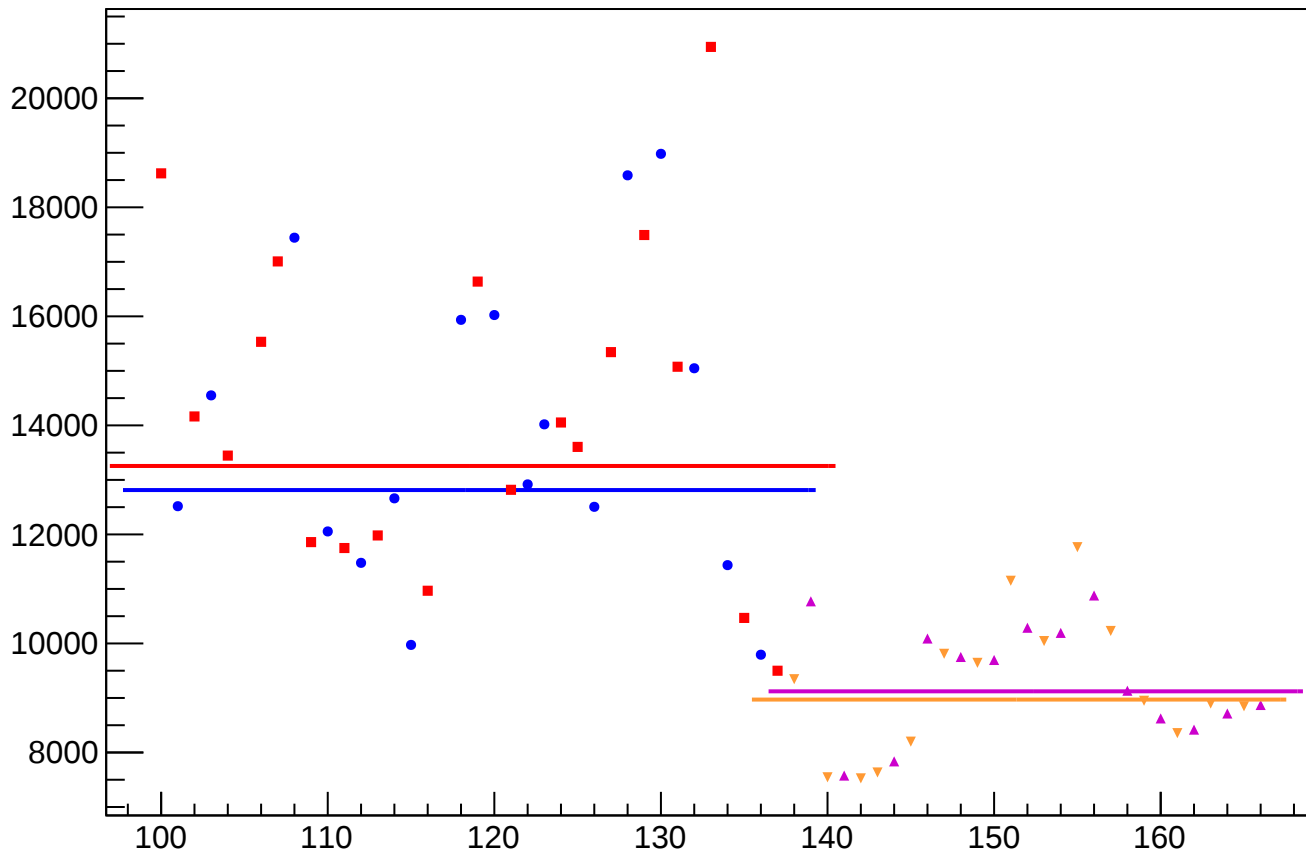
Right: 1.813 ± 3.598 χ^2/NDF : 39.7/35

In: -2.295 ± 2.445 χ^2/NDF : 38.1/30

Out: -8.970 ± 2.393 χ^2/NDF : 59.2/33

All: -5.704 ± 1.710 χ^2/NDF : 101.2/64

diff_bpm4ecX_rms vs Slug, Sign Corrected



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: 9121.730+/-1.970 χ^2/NDF : 276995.0/13

Left: 9044.160+/-1.375 χ^2/NDF : 643722.0/28

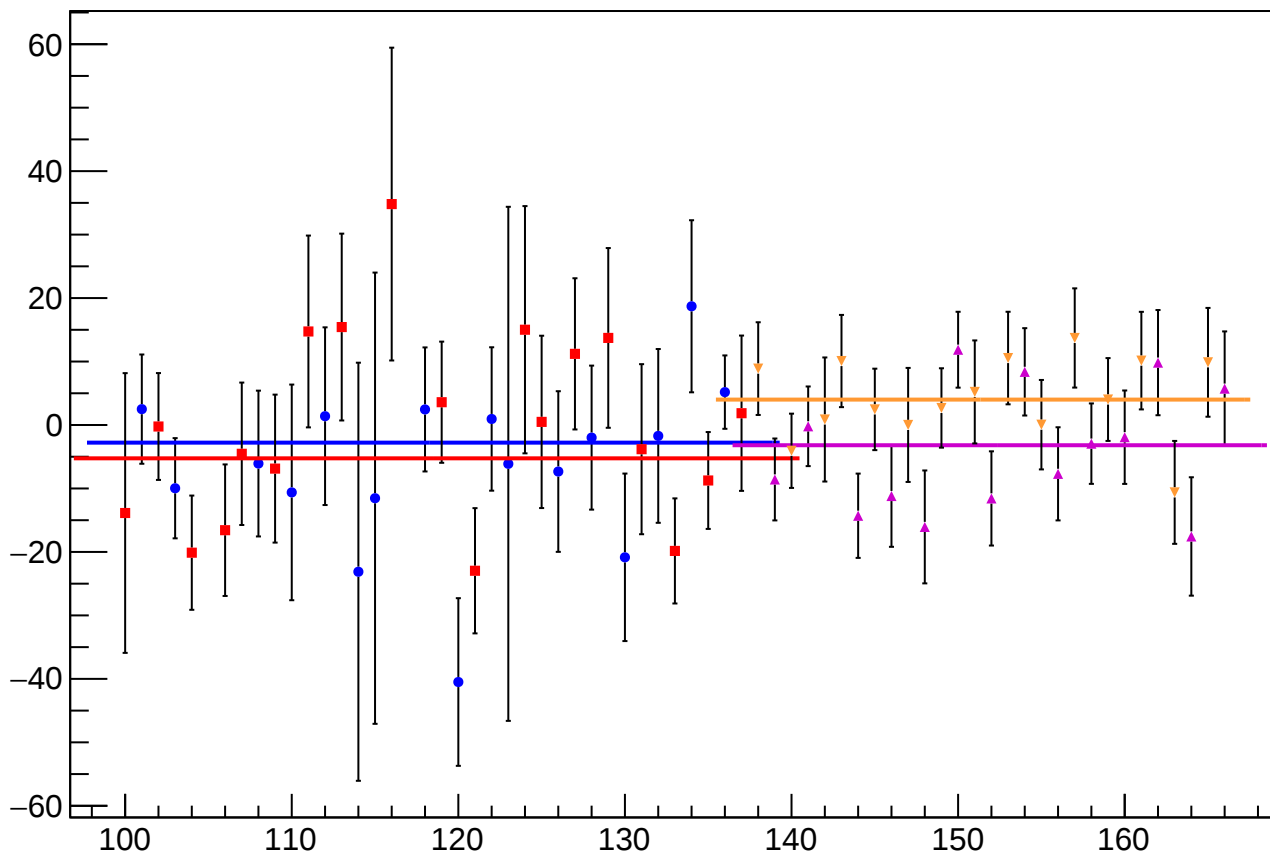
Right: 13035.784+/-2.544 χ^2/NDF : 1039954.9/35

In: 9969.828+/-1.729 χ^2/NDF : 1632056.9/30

Out: 9923.535+/-1.692 χ^2/NDF : 1956786.0/33

All: 9946.187+/-1.209 χ^2/NDF : 3589209.1/64

diff_bpm4ecY_mean vs Slug, Sign Corrected



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: -3.187 ± 1.932 χ^2/NDF : 23.5/13

Left: 0.483 ± 1.352 χ^2/NDF : 41.0/28

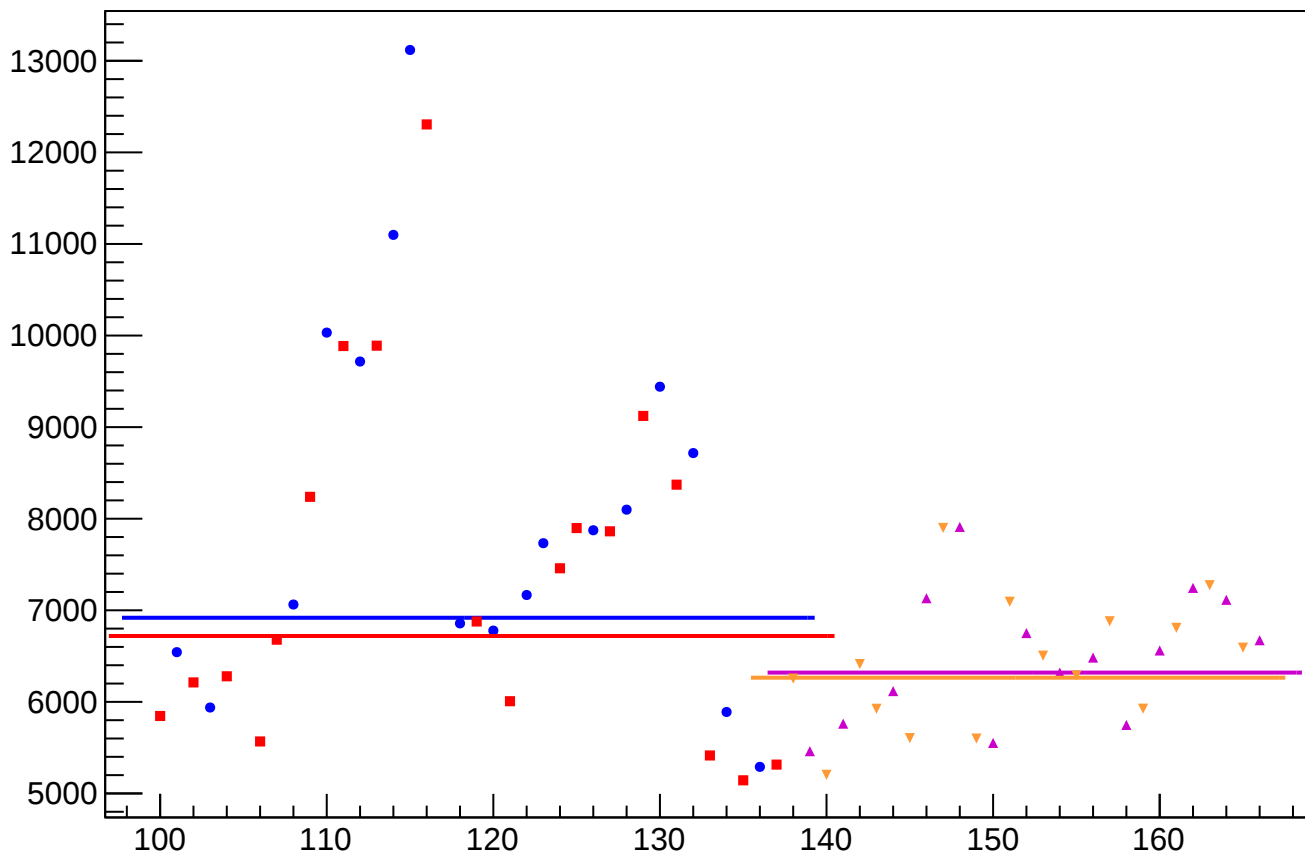
Right: -4.088 ± 1.884 χ^2/NDF : 41.0/35

In: -3.052 ± 1.580 χ^2/NDF : 40.5/30

Out: 0.782 ± 1.528 χ^2/NDF : 42.4/33

All: -1.070 ± 1.098 χ^2/NDF : 85.9/64

diff_bpm4ecY_rms vs Slug, Sign Corrected



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: 6319.731+/-1.366 χ^2/NDF : 239218.5/13

Left: 6291.287+/-0.956 χ^2/NDF : 505499.5/28

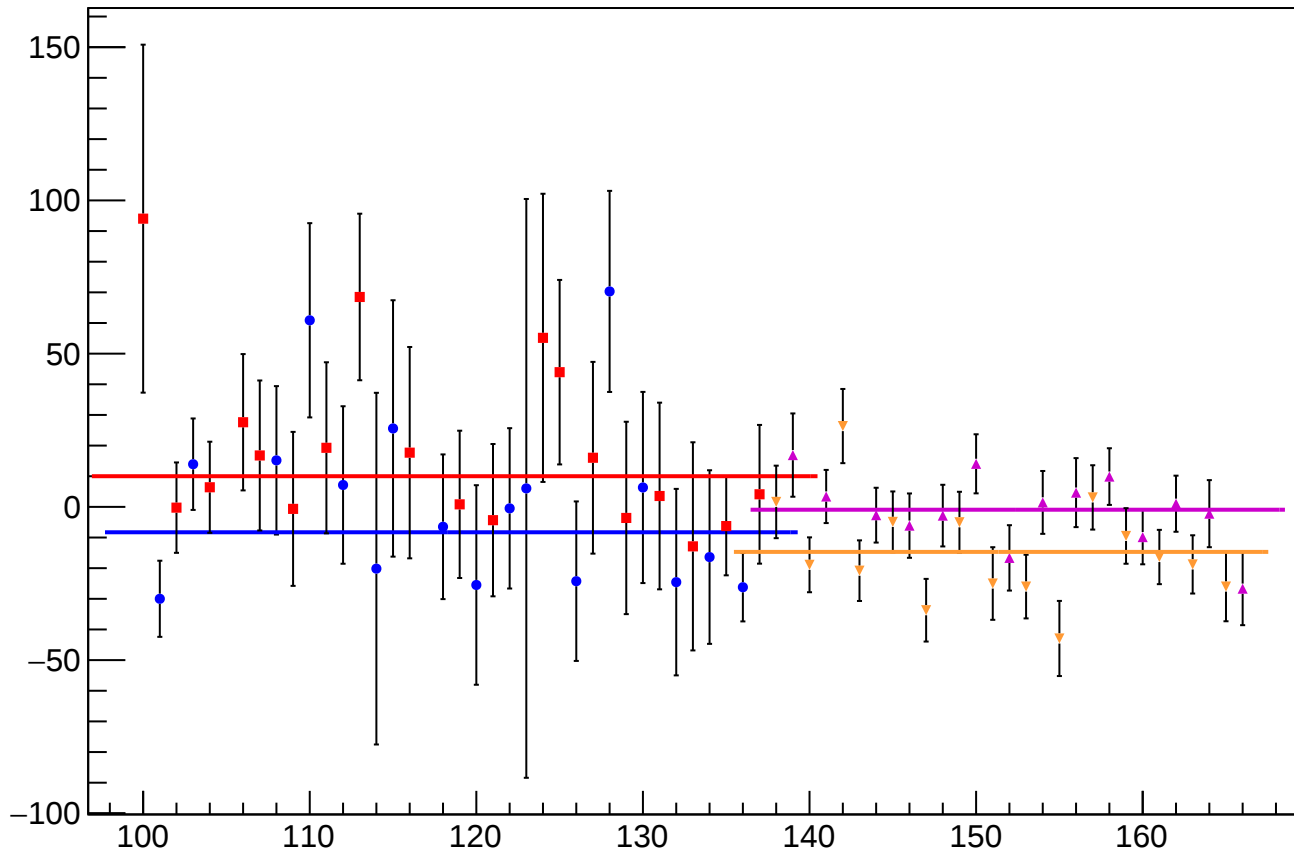
Right: 6813.106+/-1.332 χ^2/NDF : 1247373.6/35

In: 6517.909+/-1.117 χ^2/NDF : 890776.3/30

Out: 6422.506+/-1.080 χ^2/NDF : 959586.4/33

All: 6468.593+/-0.777 χ^2/NDF : 1854130.2/64

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 $\pm$ 5.410 χ^2/NDF : 21.7/16

Left Out: -14.688 $\pm$ 2.650 χ^2/NDF : 31.1/14

Right Out: 10.007 $\pm$ 5.513 χ^2/NDF : 12.9/18

Left In: -0.928 $\pm$ 2.684 χ^2/NDF : 14.3/13

Left: -7.895 $\pm$ 1.886 χ^2/NDF : 58.7/28

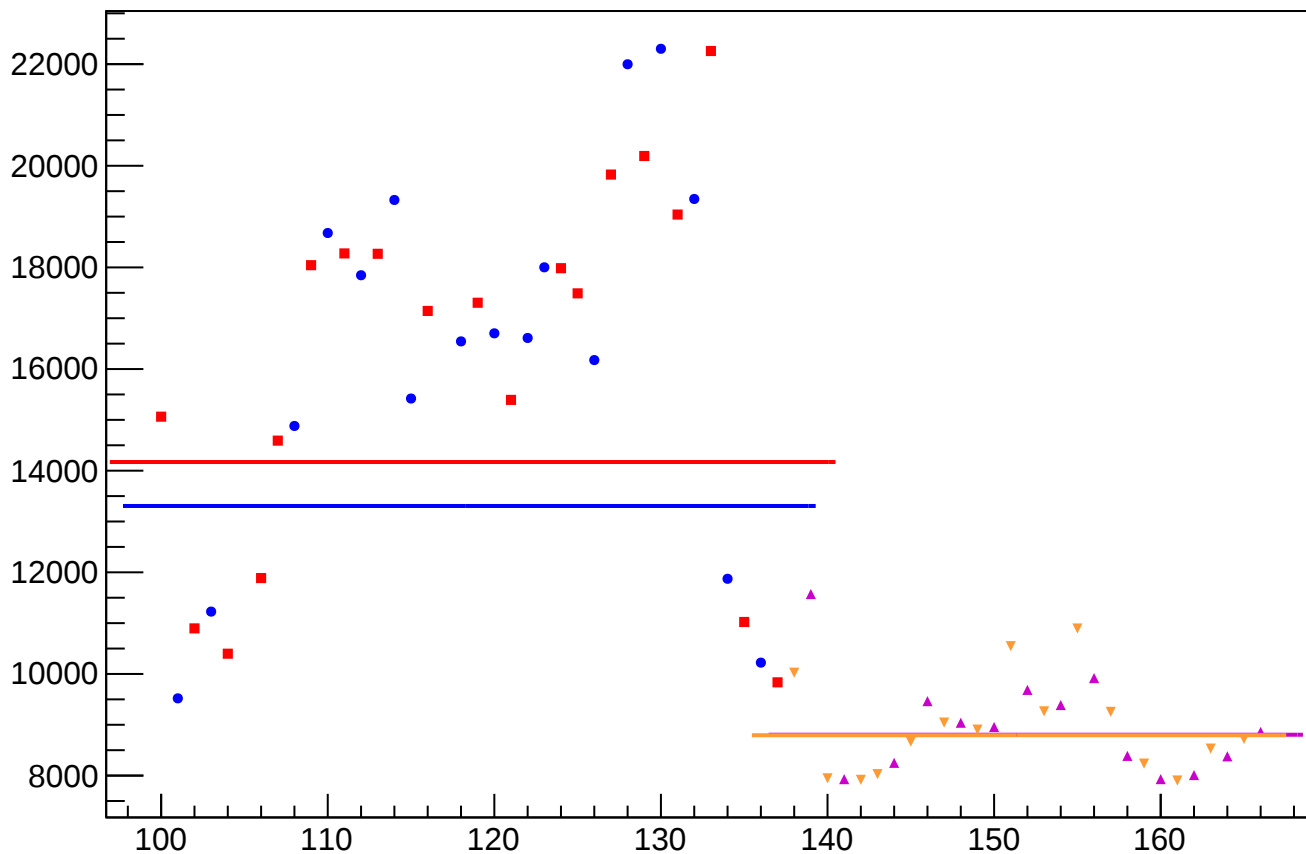
Right: 0.688 $\pm$ 3.861 χ^2/NDF : 40.2/35

In: -2.381 $\pm$ 2.404 χ^2/NDF : 37.5/30

Out: -10.053 $\pm$ 2.389 χ^2/NDF : 60.3/33

All: -6.242 $\pm$ 1.694 χ^2/NDF : 102.9/64

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8794.373+/-1.874 χ^2/NDF : 203660.1/14

Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

Left In: 8804.016+/-1.898 χ^2/NDF : 201838.7/13

Left: 8799.134+/-1.333 χ^2/NDF : 405511.9/28

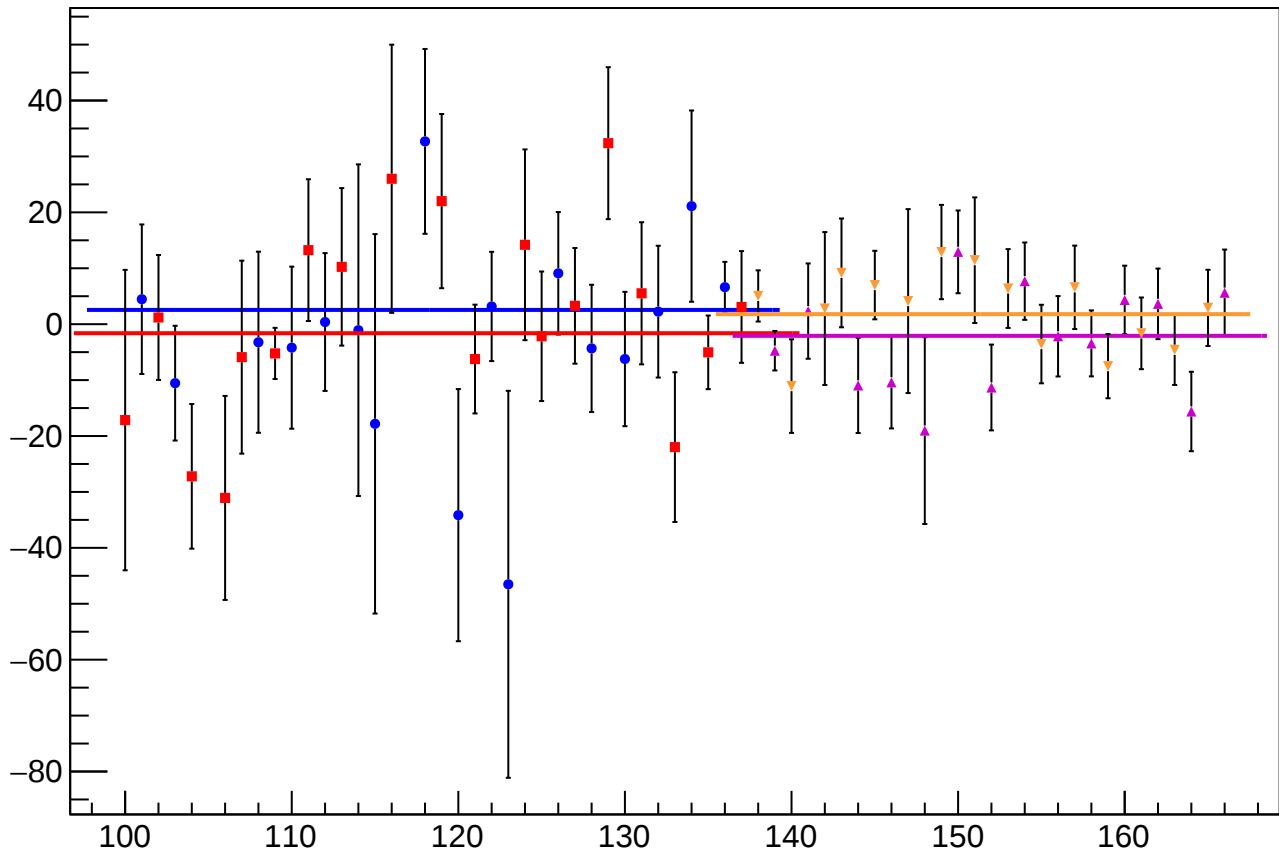
Right: 13729.884+/-2.730 χ^2/NDF : 1999799.5/35

In: 9692.962+/-1.700 χ^2/NDF : 2357052.6/30

Out: 9803.530+/-1.689 χ^2/NDF : 2679241.1/33

All: 9748.607+/-1.198 χ^2/NDF : 5038422.5/64

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 1.799 ± 1.857 $\chi^2/\text{NDF}: 12.0/14$

Right Out: -1.613 ± 2.442 $\chi^2/\text{NDF}: 24.0/18$

Left In: -2.083 ± 1.772 $\chi^2/\text{NDF}: 18.1/13$

Left: -0.233 ± 1.282 $\chi^2/\text{NDF}: 32.5/28$

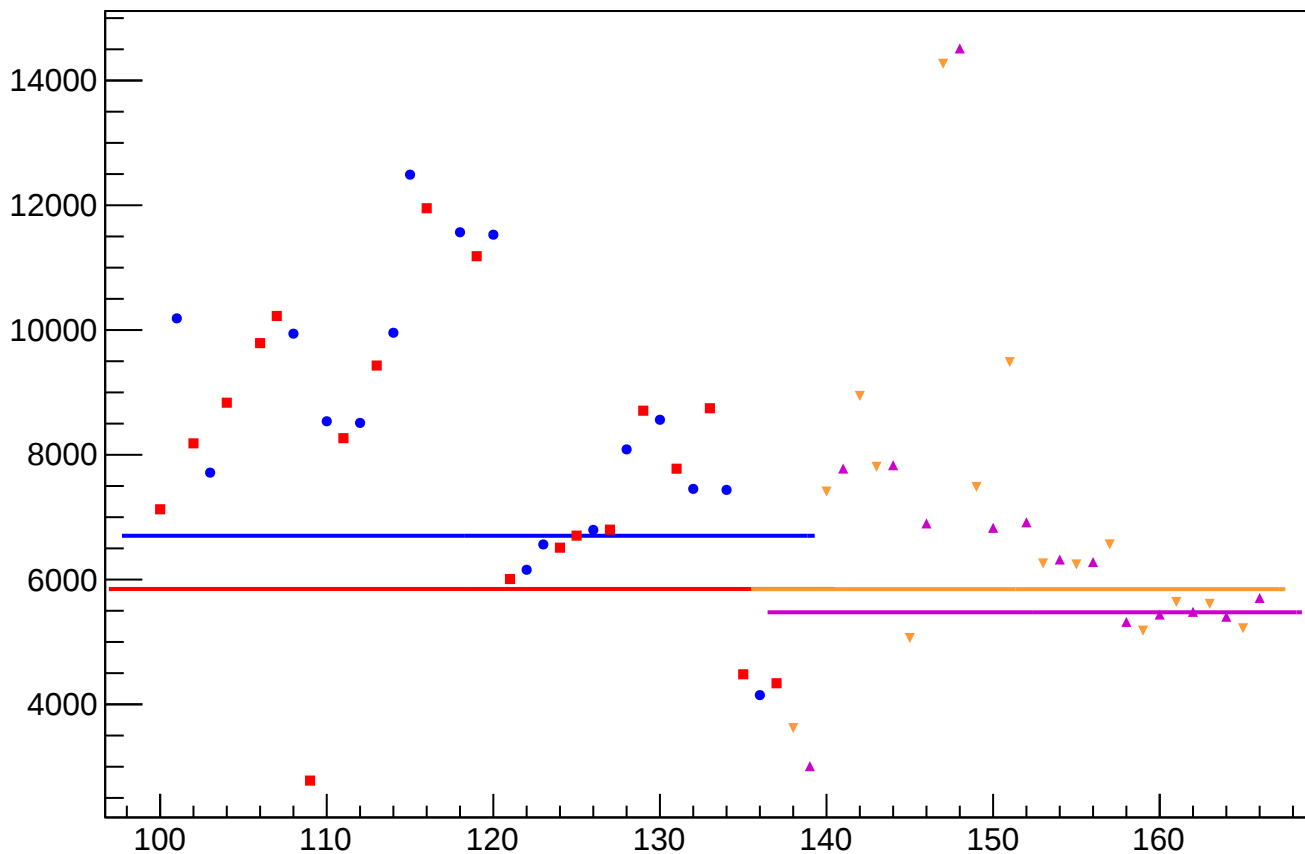
Right: 0.218 ± 1.828 $\chi^2/\text{NDF}: 38.9/35$

In: -0.728 ± 1.490 $\chi^2/\text{NDF}: 33.8/30$

Out: 0.549 ± 1.478 $\chi^2/\text{NDF}: 37.3/33$

All: -0.084 ± 1.049 $\chi^2/\text{NDF}: 71.4/64$

diff_bpm1Y_rms vs Slug, Sign Corrected



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: 5475.562+/-1.253

χ^2/NDF :2114992.9/13

Left: 5652.477+/-0.906

χ^2/NDF : 3806346.5/28

Right: 6224.538+/-1.293

χ^2/NDF : 3775609.7/35

In: 5834.140+/-1.054

χ^2/NDF :3785186.9/30

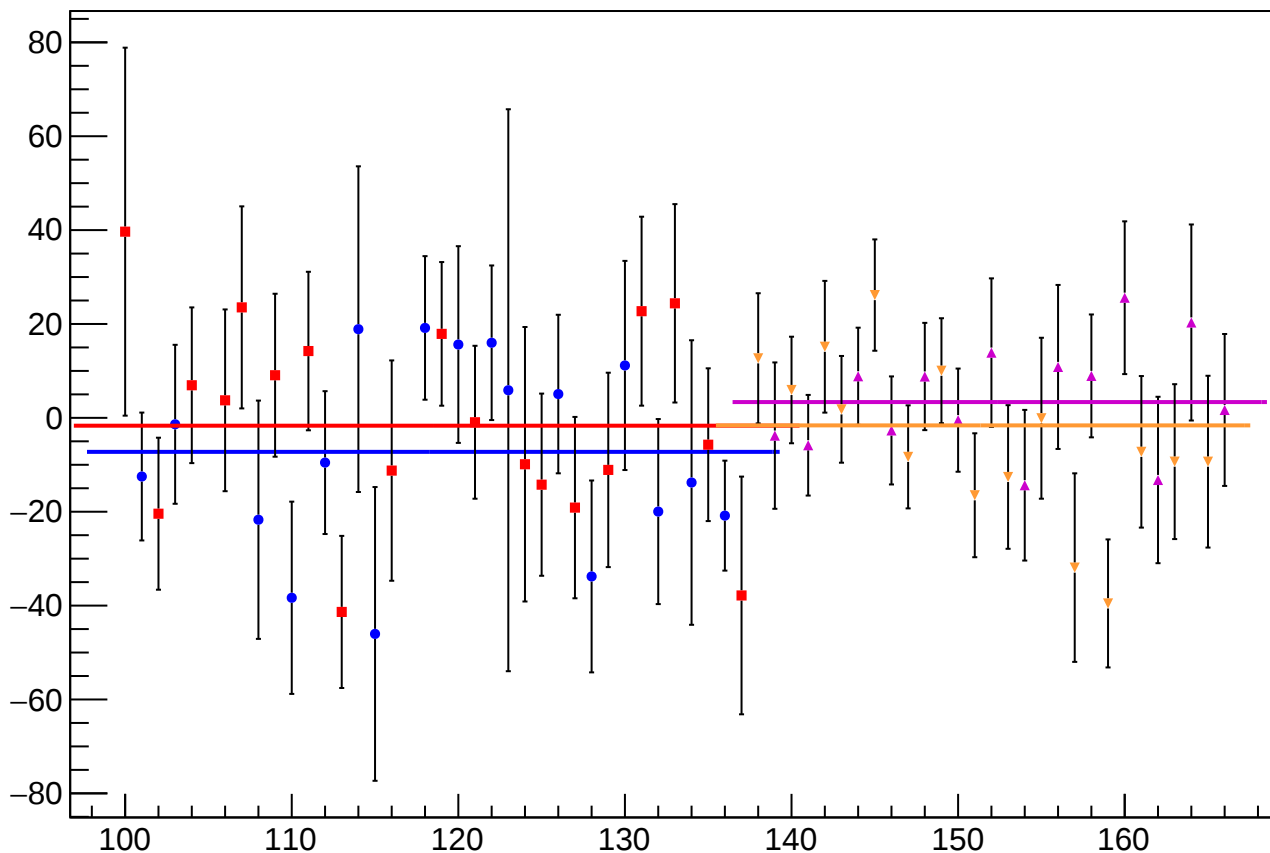
Out: 5847.784+/-1.045

χ^2/NDF :3927984.3/33

All: 5841.020+/-0.742

χ^2/NDF : 7713255.7/64

diff_bpm11X_mean vs Slug, Sign Corrected



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: 3.362 ± 3.635 χ^2/NDF : 7.3/13

Left: 0.795 ± 2.527 χ^2/NDF : 30.5/28

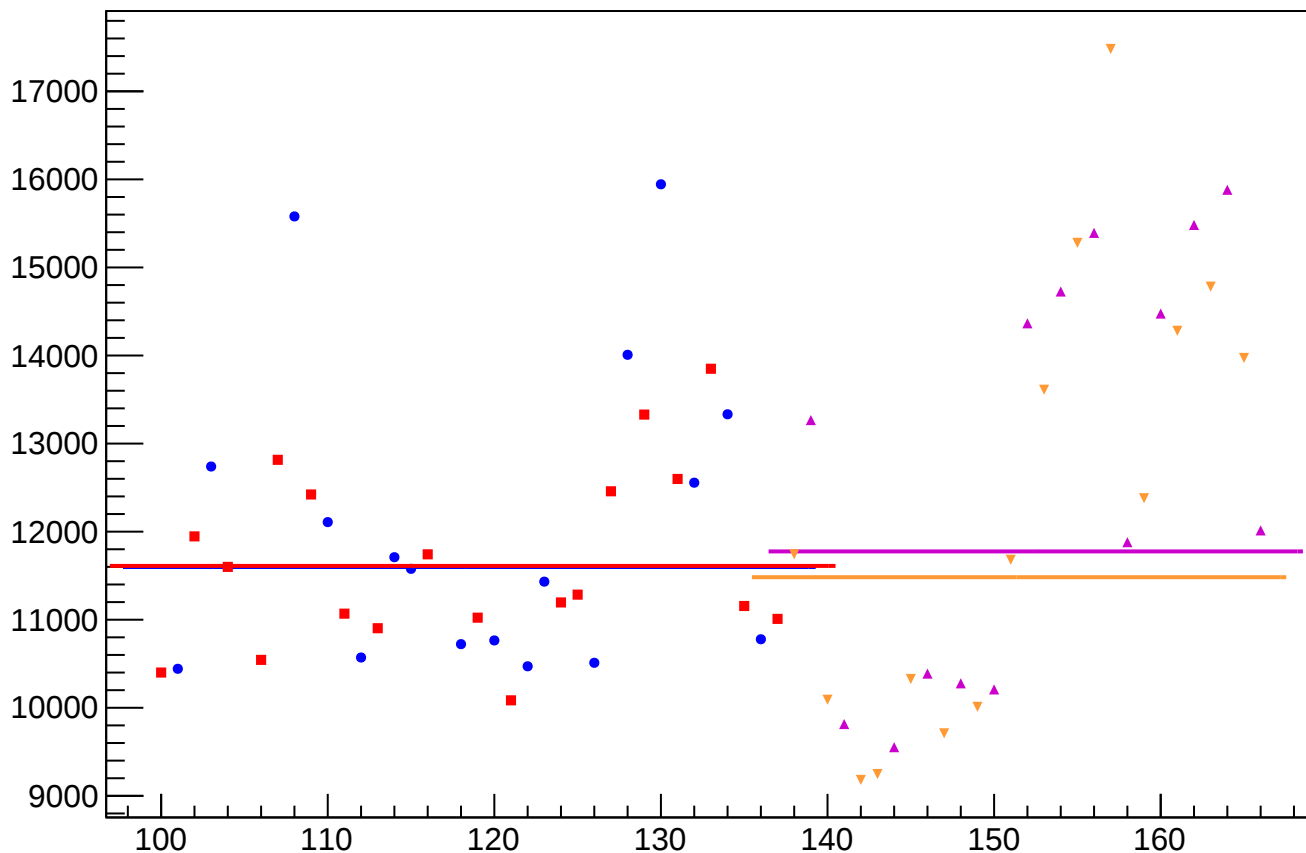
Right: -4.349 ± 3.152 χ^2/NDF : 36.6/35

In: -0.773 ± 2.839 χ^2/NDF : 26.6/30

Out: -1.631 ± 2.740 χ^2/NDF : 42.1/33

All: -1.218 ± 1.971 χ^2/NDF : 68.7/64

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751 +/- 3.215 χ^2/NDF : 235423.8/16

Left Out: 11482.775 +/- 2.485 χ^2/NDF : 769039.2/14

Right Out: 11610.941 +/- 3.092 χ^2/NDF : 94447.0/18

Left In: 11775.566 +/- 2.570 χ^2/NDF : 708823.8/13

Left: 11624.256 +/- 1.787 χ^2/NDF : 1484569.3/28

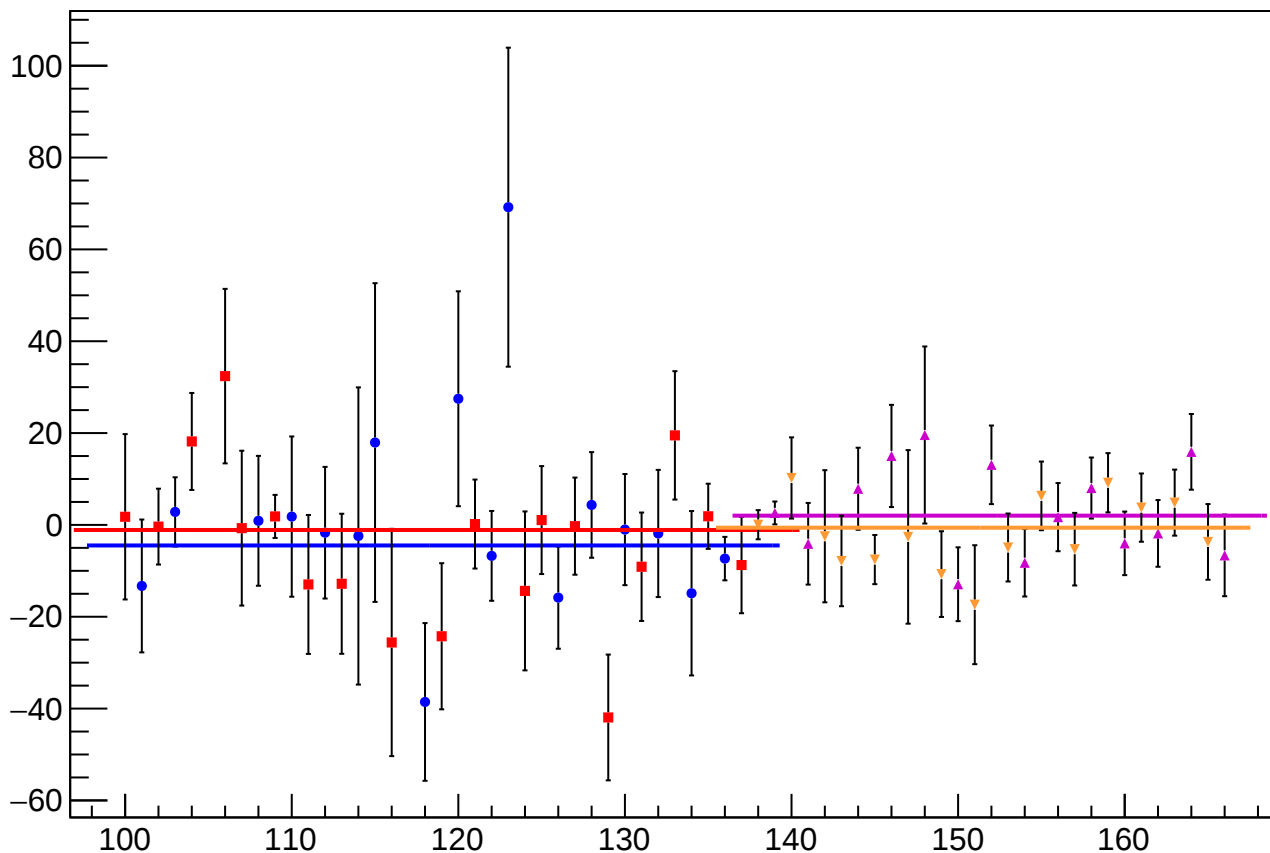
Right: 11605.084 +/- 2.229 χ^2/NDF : 329878.2/35

In: 11706.627 +/- 2.008 χ^2/NDF : 946092.8/30

Out: 11533.077 +/- 1.937 χ^2/NDF : 864529.9/33

All: 11616.755 +/- 1.394 χ^2/NDF : 1814492.6/66

diff_bpm11Y_mean vs Slug, Sign Corrected



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: 2.015 ± 1.684 χ^2/NDF : 15.9/13

Left: 0.787 ± 1.228 χ^2/NDF : 28.6/28

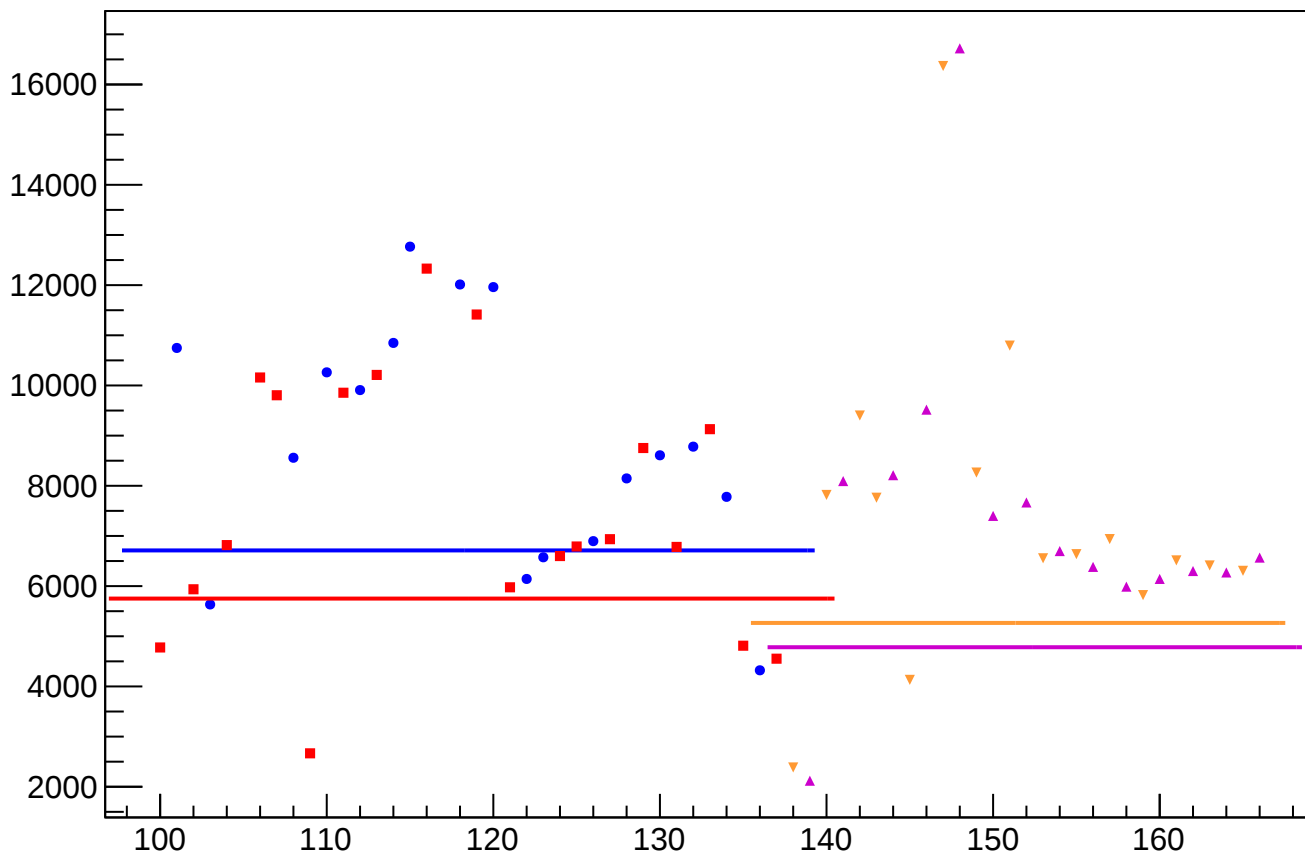
Right: -2.563 ± 1.830 χ^2/NDF : 39.7/35

In: 0.274 ± 1.440 χ^2/NDF : 34.7/30

Out: -0.783 ± 1.443 χ^2/NDF : 35.6/33

All: -0.253 ± 1.020 χ^2/NDF : 70.6/64

diff_bpm11Y_rms vs Slug, Sign Corrected



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: 4781.616 +/- 1.191 χ^2/NDF : 5029658.4/13

Left: 5008.391 +/- 0.868 χ^2/NDF : 8933794.6/28

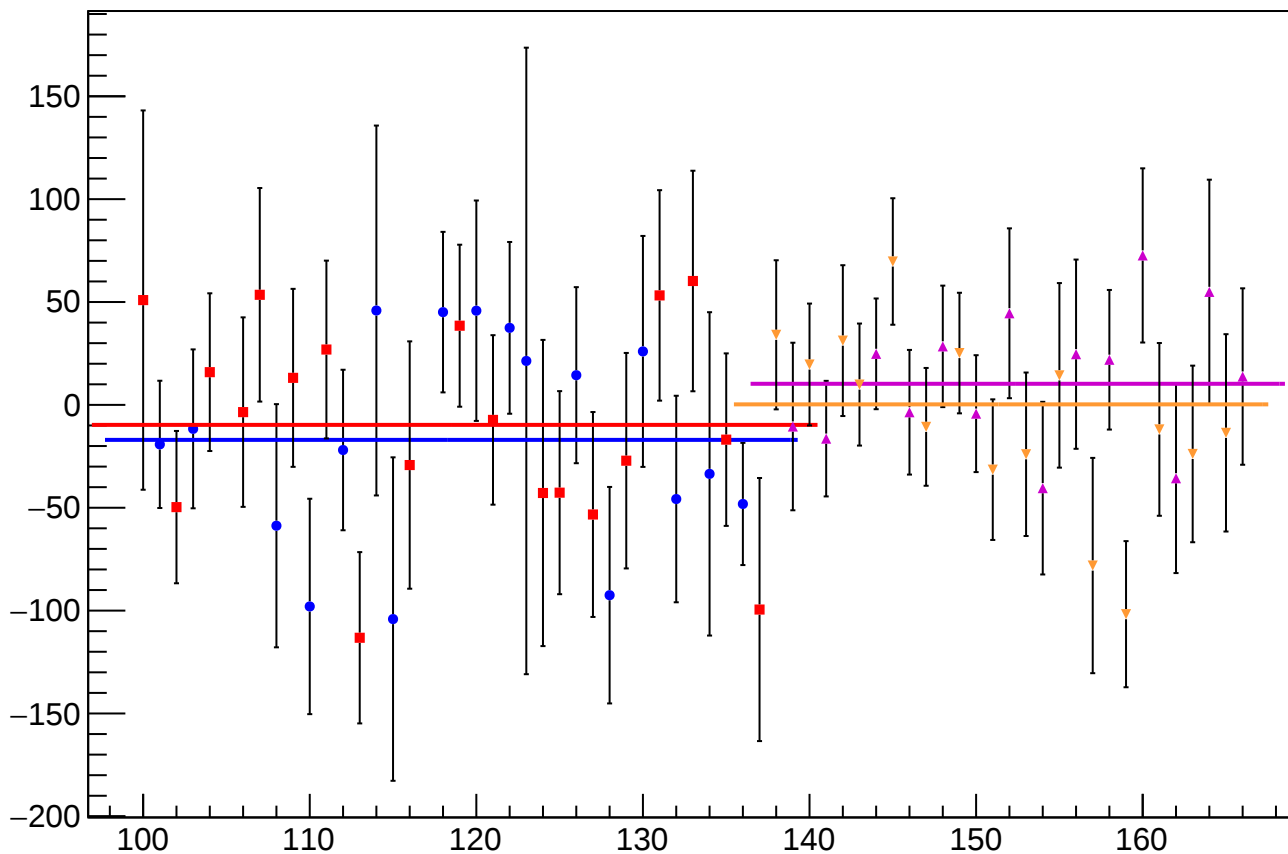
Right: 6166.836 +/- 1.294 χ^2/NDF : 3747249.5/35

In: 5299.093 +/- 1.019 χ^2/NDF : 7181208.9/30

Out: 5437.512 +/- 1.021 χ^2/NDF : 6043407.8/33

All: 5368.155 +/- 0.721 χ^2/NDF : 13233831.6/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 $\pm$ 11.287 χ^2/NDF : 15.0/16

Left Out: 0.253 $\pm$ 9.162 χ^2/NDF :20.4/14

Right Out: -9.719 $\pm$ 10.891 χ^2/NDF : 19.1/18

Left In: 10.253 $\pm$ 9.478 χ^2/NDF :8.5/13

Left: 5.083 $\pm$ 6.587 χ^2/NDF : 29.5/28

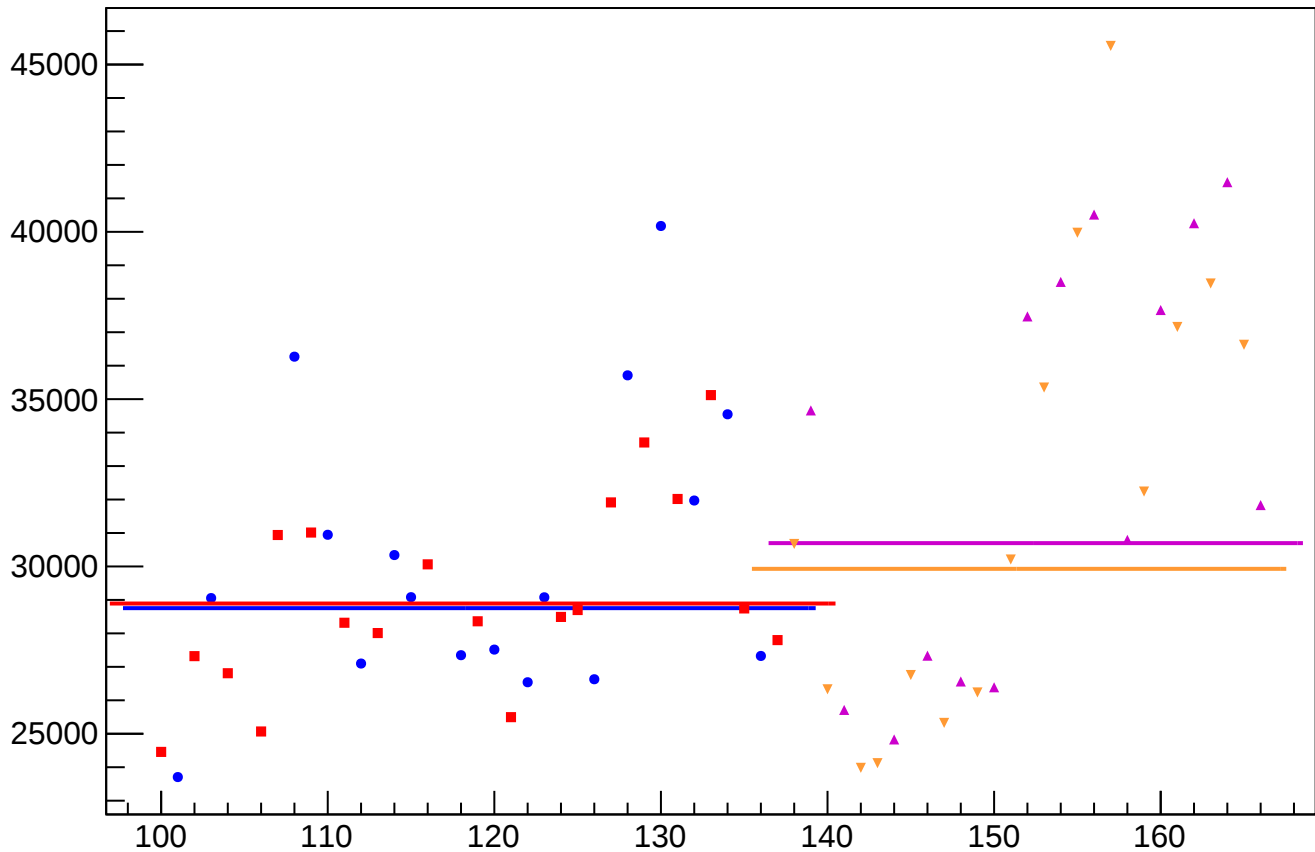
Right: -13.234 $\pm$ 7.837 χ^2/NDF : 34.3/35

In: -1.021 $\pm$ 7.258 χ^2/NDF :26.9/30

Out: -3.880 $\pm$ 7.011 χ^2/NDF :40.0/33

All: -2.500 $\pm$ 5.043 χ^2/NDF : 66.9/64

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 29928.834+/-6.478 χ^2/NDF : 766167.1/14

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

Left In: 30697.228+/-6.702 χ^2/NDF : 720975.7/13

Left: 30299.986+/-4.658 χ^2/NDF : 1493938.3/28

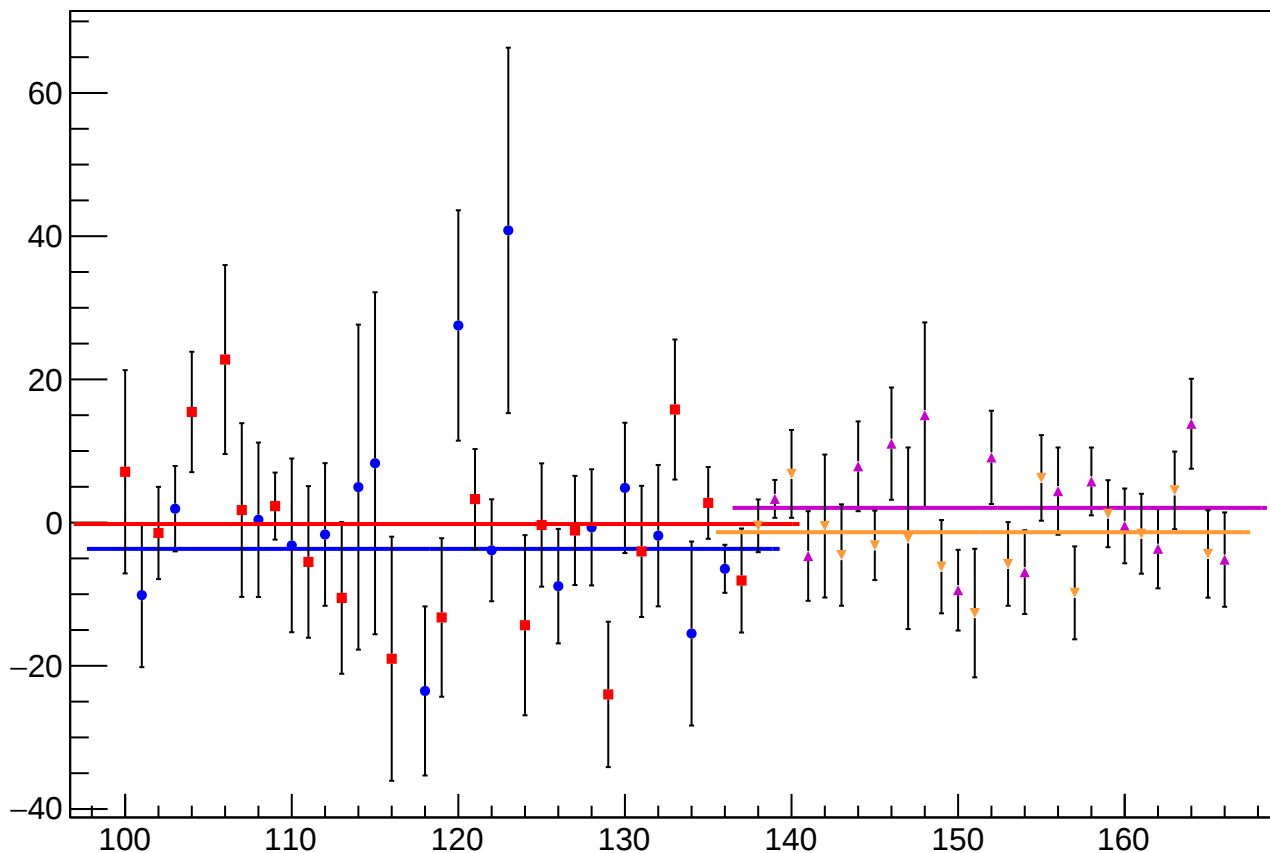
Right: 28825.443+/-5.542 χ^2/NDF : 360612.0/35

In: 29893.533+/-5.132 χ^2/NDF : 1004964.1/30

Out: 29499.225+/-4.957 χ^2/NDF : 888020.4/33

All: 29689.540+/-3.566 χ^2/NDF : 1896038.0/66

diff_bpm12Y_mean vs Slug, Sign Corrected



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: 2.057 ± 1.429 χ^2/NDF : 19.0/13

Left: 0.459 ± 1.040 χ^2/NDF : 31.5/28

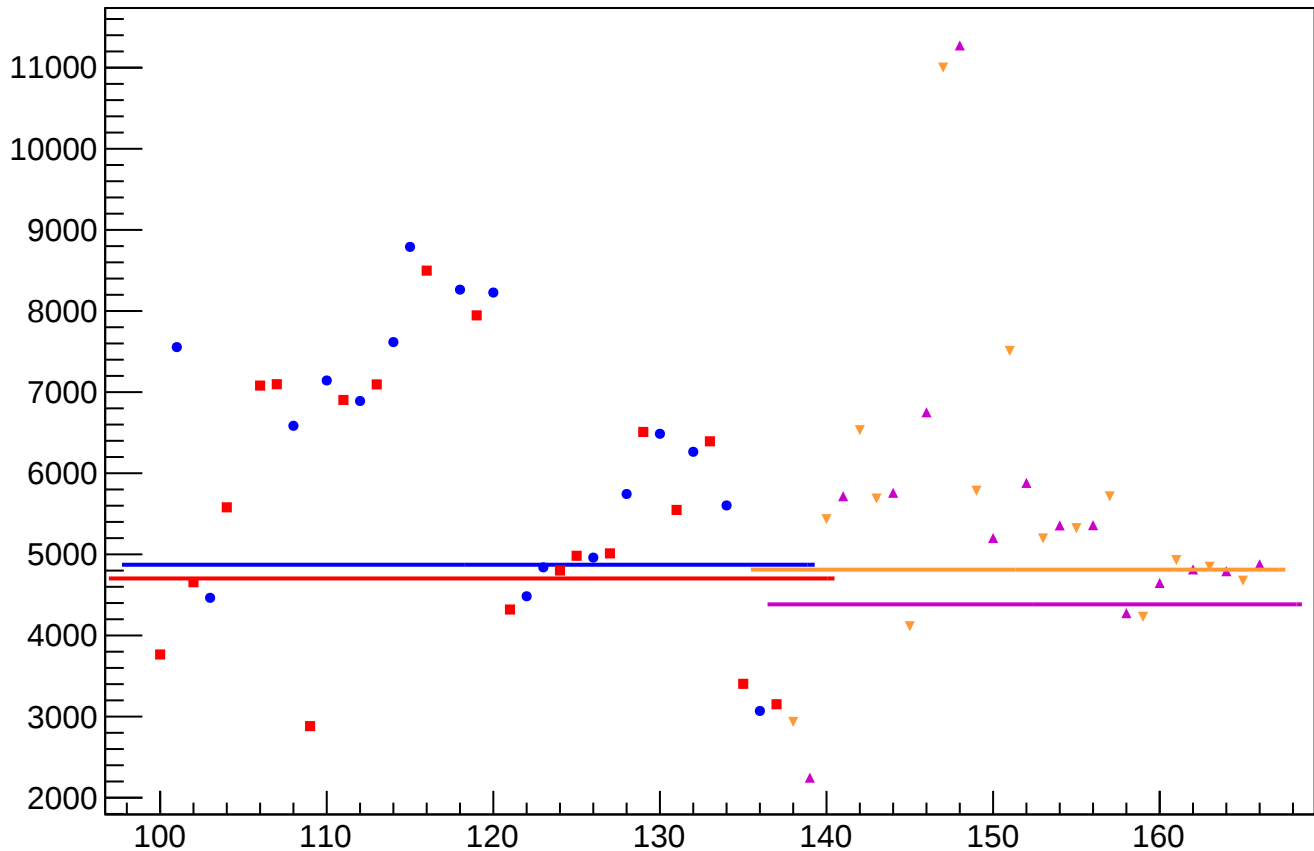
Right: -1.830 ± 1.378 χ^2/NDF : 38.4/35

In: 0.134 ± 1.165 χ^2/NDF : 38.9/30

Out: -0.895 ± 1.184 χ^2/NDF : 32.4/33

All: -0.372 ± 0.830 χ^2/NDF : 71.7/64

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 ± 1.421 $\chi^2/\text{NDF}: 1405253.2/16$

Left Out: 4811.566 ± 1.073 $\chi^2/\text{NDF}: 1467753.7/14$

Right Out: 4702.994 ± 1.338 $\chi^2/\text{NDF}: 1312720.8/18$

Left In: 4383.531 ± 1.011 $\chi^2/\text{NDF}: 2531241.5/13$

Left: 4584.845 ± 0.736 $\chi^2/\text{NDF}: 4083349.4/28$

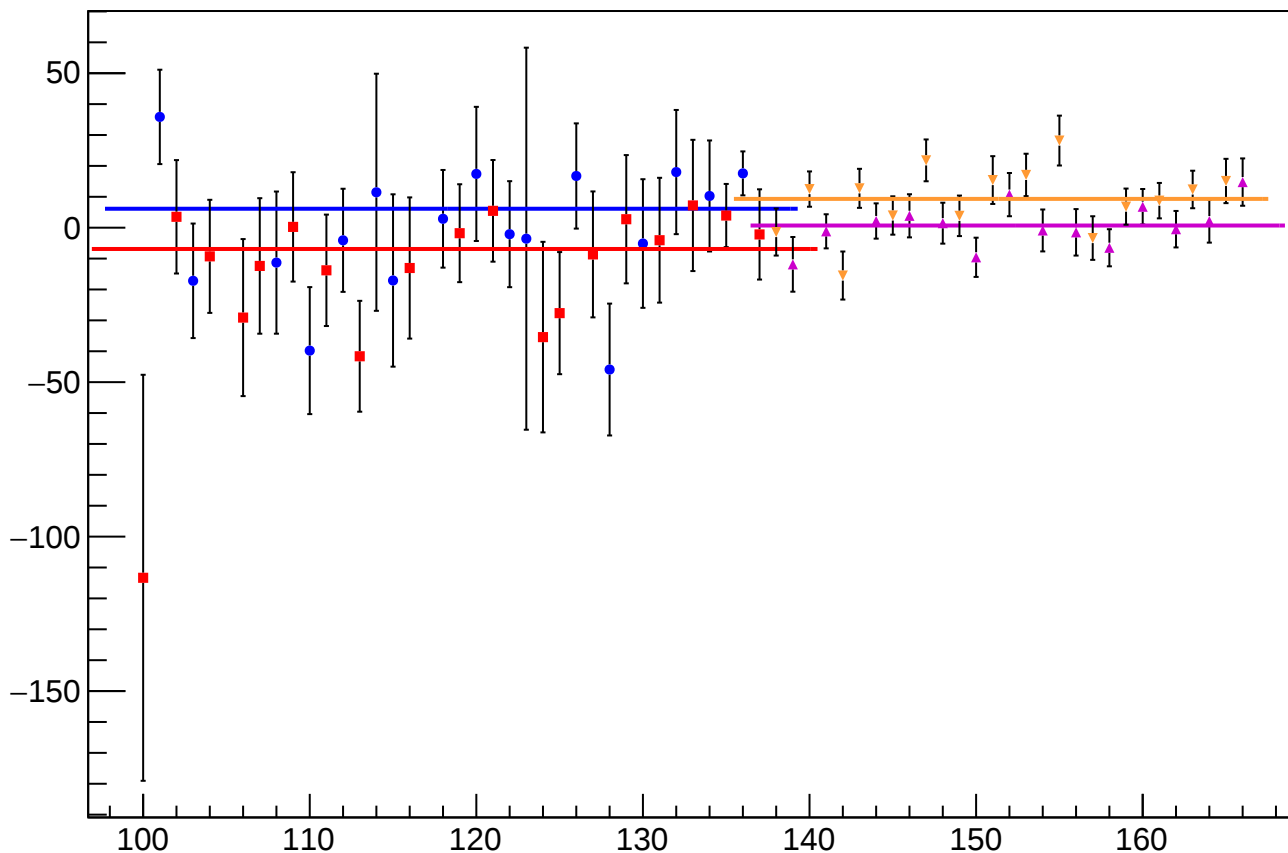
Right: 4782.480 ± 0.974 $\chi^2/\text{NDF}: 2725478.8/35$

In: 4547.645 ± 0.824 $\chi^2/\text{NDF}: 4014987.5/30$

Out: 4769.104 ± 0.837 $\chi^2/\text{NDF}: 2784481.8/33$

All: 4656.598 ± 0.587 $\chi^2/\text{NDF}: 6835037.0/64$

diff_bpm16X_mean vs Slug, Sign Corrected



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: 0.702 $\pm$ 1.744 χ^2/NDF : 13.2/13

Left: 5.085 $\pm$ 1.223 χ^2/NDF : 55.0/28

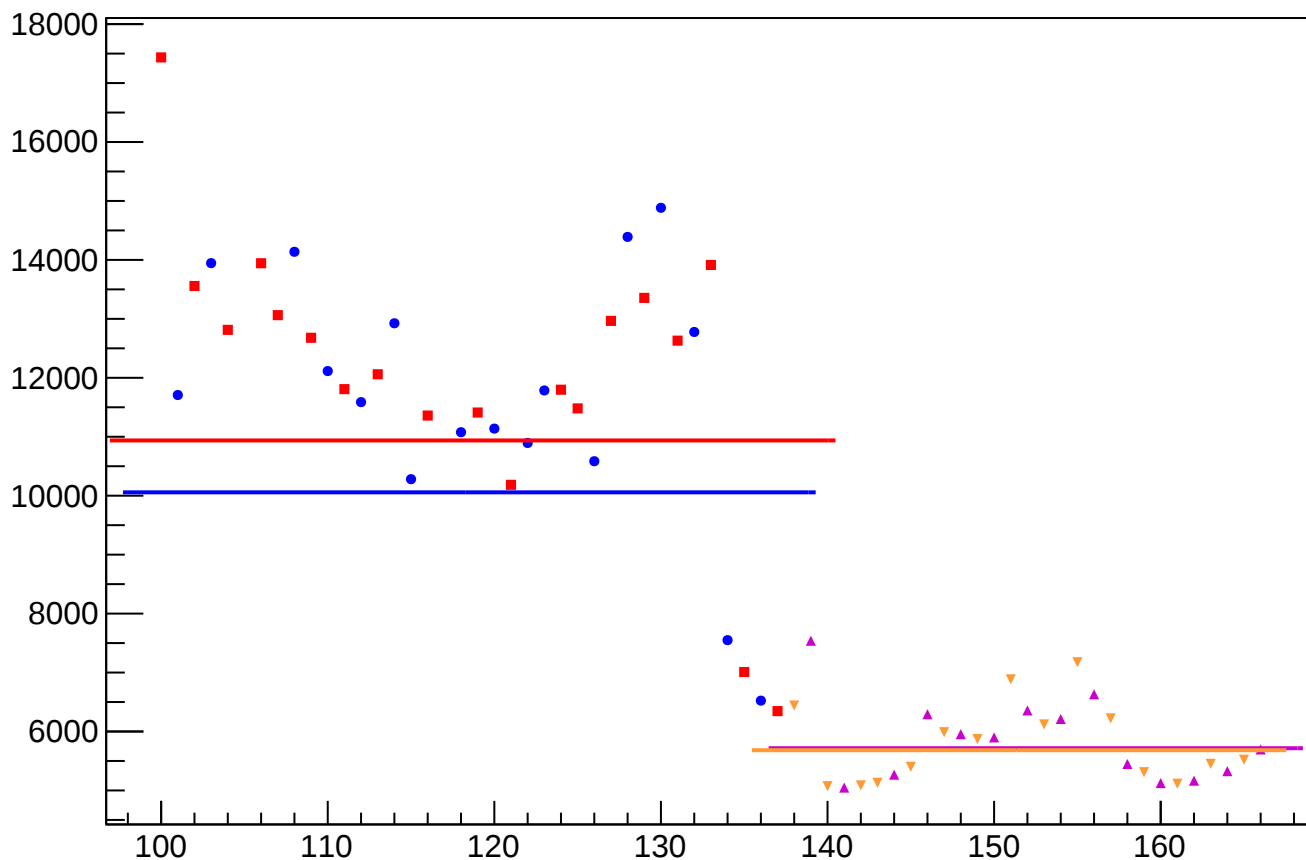
Right: -0.153 $\pm$ 2.935 χ^2/NDF : 39.6/35

In: 1.541 $\pm$ 1.604 χ^2/NDF : 36.9/30

Out: 7.027 $\pm$ 1.589 χ^2/NDF : 54.4/33

All: 4.310 $\pm$ 1.129 χ^2/NDF : 97.2/64

diff_bpm16X_rms vs Slug, Sign Corrected



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: 5716.183 $\pm$ 1.233 χ^2 /NDF:250207.8/13

Left: 5699.134 $\pm$ 0.865 χ^2 /NDF: 498357.8/28

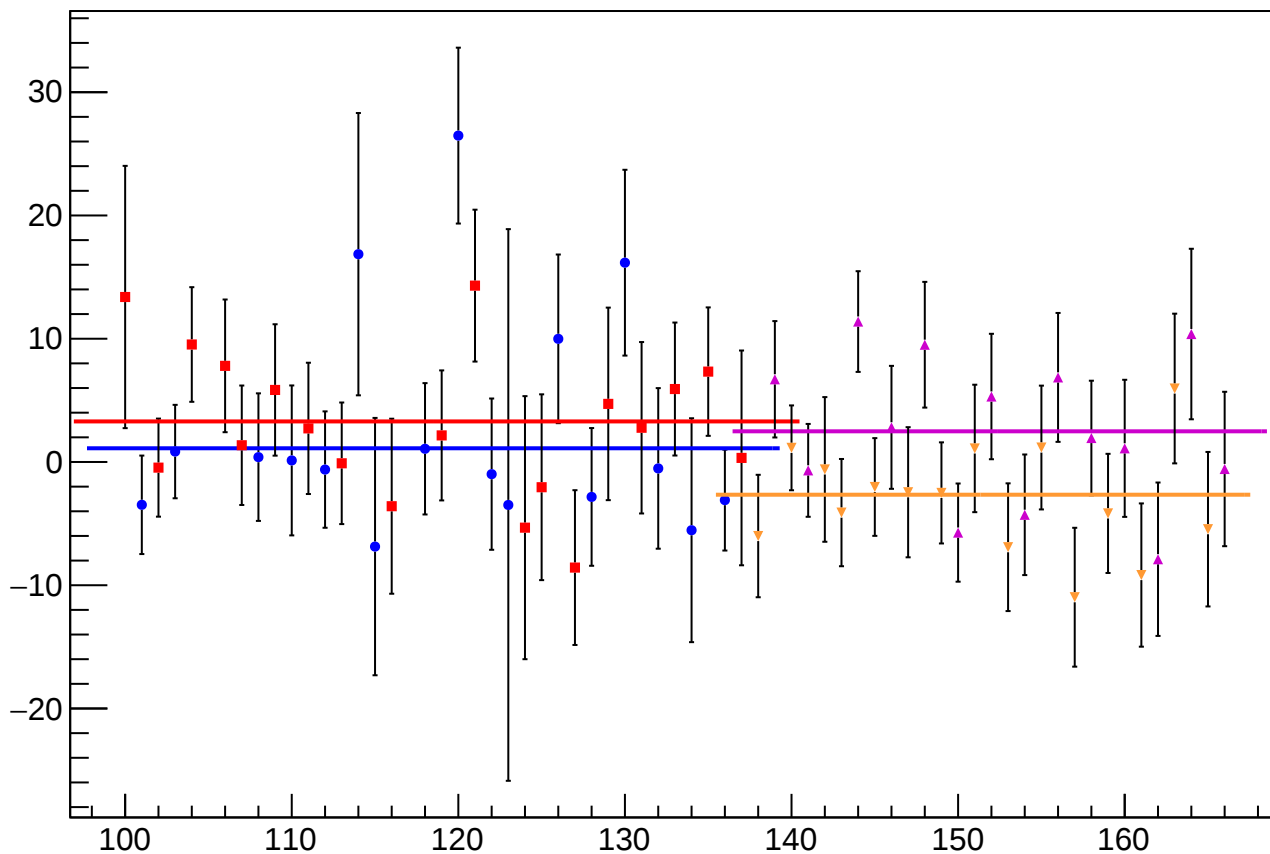
Right: 10481.996 $\pm$ 2.075 χ^2 /NDF: 1810742.6/35

In: 6386.948 $\pm$ 1.134 χ^2 /NDF:3166936.6/30

Out: 6426.004 $\pm$ 1.123 χ^2 /NDF:3667689.3/33

All: 6406.661 $\pm$ 0.798 χ^2 /NDF: 6835224.5/64

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -2.656 ± 1.253 $\chi^2/\text{NDF}: 9.5/14$

Right Out: 3.290 ± 1.334 $\chi^2/\text{NDF}: 15.1/18$

Left In: 2.488 ± 1.308 $\chi^2/\text{NDF}: 19.7/13$

Left: -0.193 ± 0.905 $\chi^2/\text{NDF}: 37.3/28$

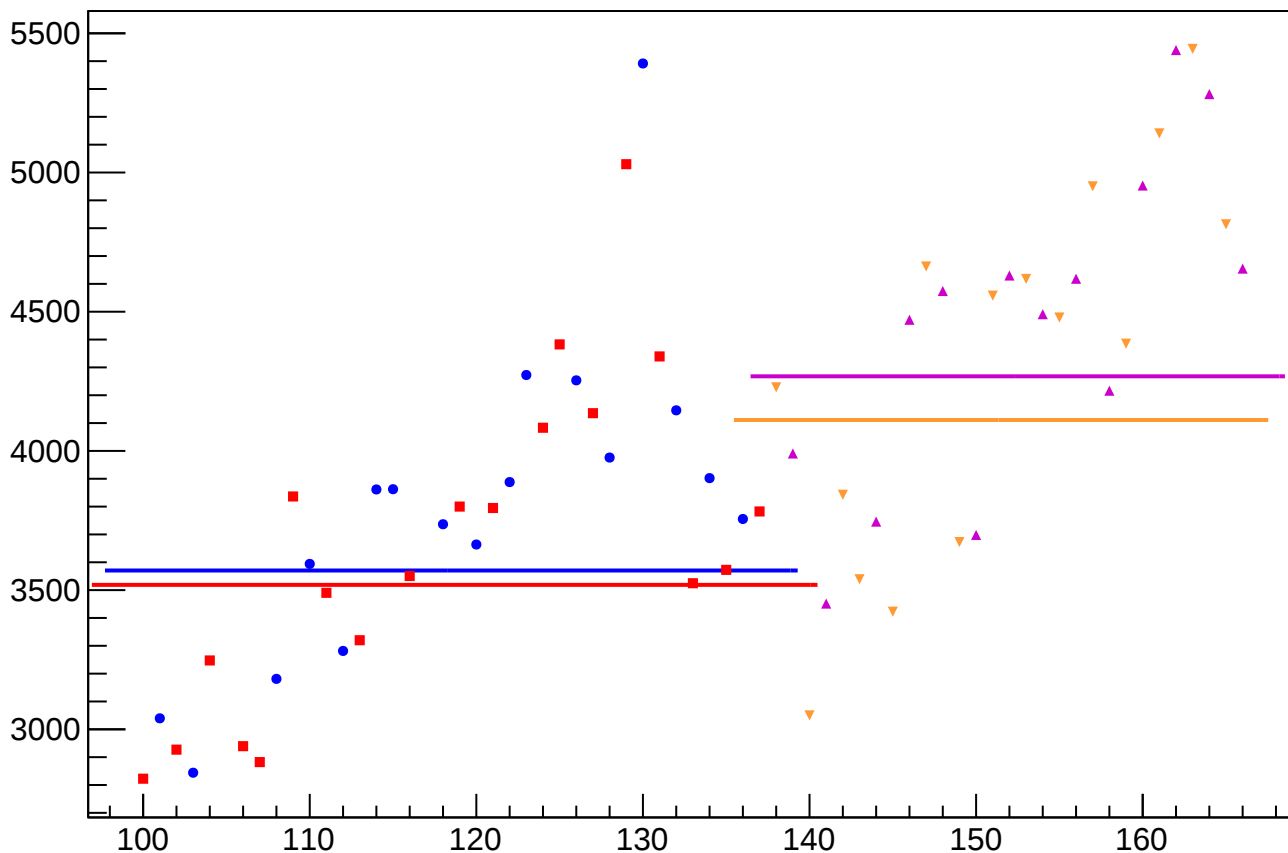
Right: 2.256 ± 0.967 $\chi^2/\text{NDF}: 40.9/35$

In: 1.848 ± 0.957 $\chi^2/\text{NDF}: 44.9/30$

Out: 0.133 ± 0.913 $\chi^2/\text{NDF}: 35.1/33$

All: 0.951 ± 0.661 $\chi^2/\text{NDF}: 81.6/64$

diff_bpm16Y_rms vs Slug, Sign Corrected



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: 4267.950+/-0.925 χ^2/NDF : 360312.7/13

Left: 4186.146+/-0.640 χ^2/NDF : 990176.6/28

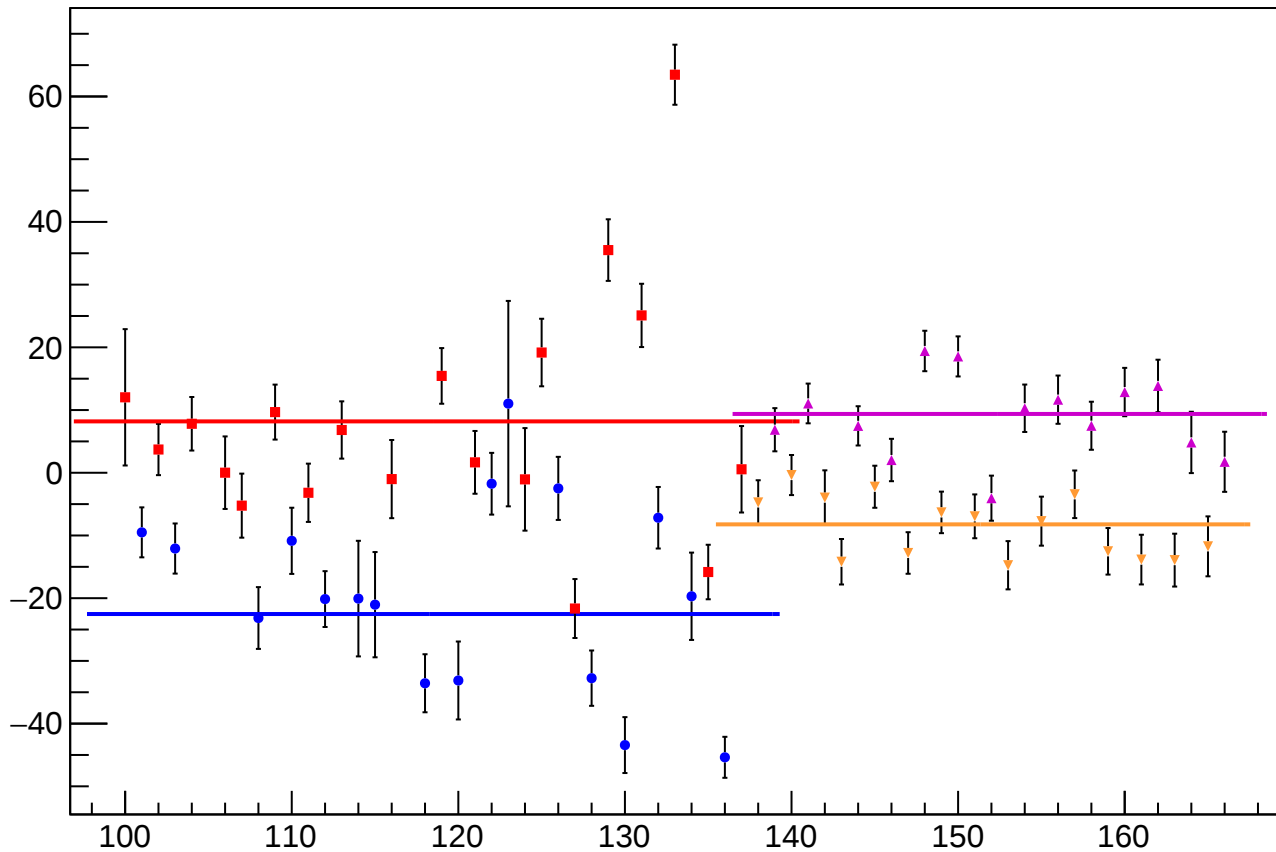
Right: 3543.379+/-0.683 χ^2/NDF : 604512.8/35

In: 3943.652+/-0.676 χ^2/NDF : 934529.4/30

Out: 3833.296+/-0.646 χ^2/NDF : 1117594.6/33

All: 3885.923+/-0.467 χ^2/NDF : 2066049.0/64

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 $\pm$ 1.201 χ^2 /NDF: 155.5/16

Left Out: -8.229 $\pm$ 0.954 χ^2 /NDF:26.5/14

Right Out: 8.192 $\pm$ 1.157 χ^2 /NDF: 275.8/18

Left In: 9.378 $\pm$ 0.971 χ^2 /NDF:43.8/13

Left: 0.421 $\pm$ 0.681 χ^2 /NDF: 237.6/28

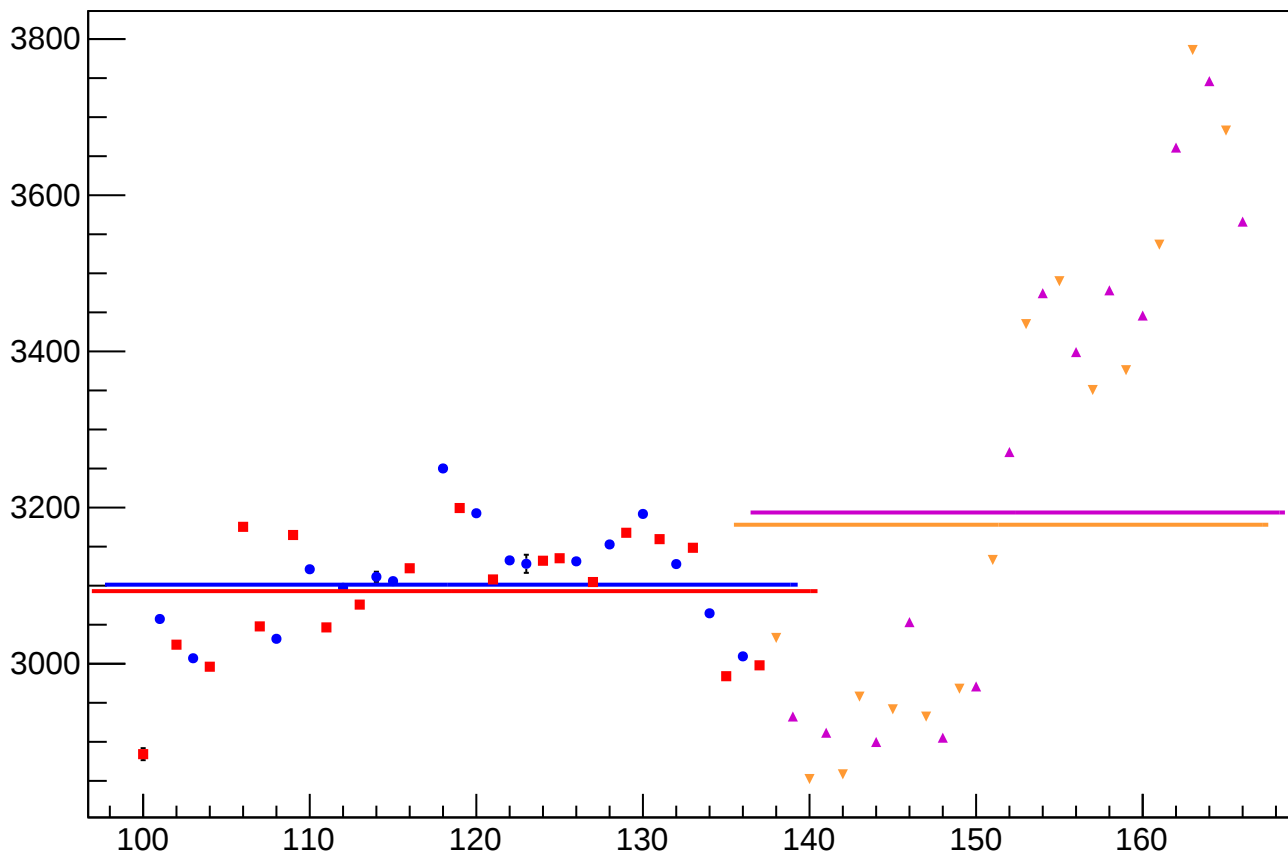
Right: -6.598 $\pm$ 0.833 χ^2 /NDF: 770.8/35

In: -3.238 $\pm$ 0.755 χ^2 /NDF:626.3/30

Out: -1.582 $\pm$ 0.736 χ^2 /NDF:422.2/33

All: -2.389 $\pm$ 0.527 χ^2 /NDF: 1051.0/64

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3178.026+/-0.675 χ^2/NDF : 183393.8/14

Right Out: 3092.993+/-0.818 χ^2/NDF : 7766.0/18

Left In: 3193.696+/-0.687 χ^2/NDF : 174043.5/13

Left: 3185.724+/-0.481 χ^2/NDF : 357702.3/28

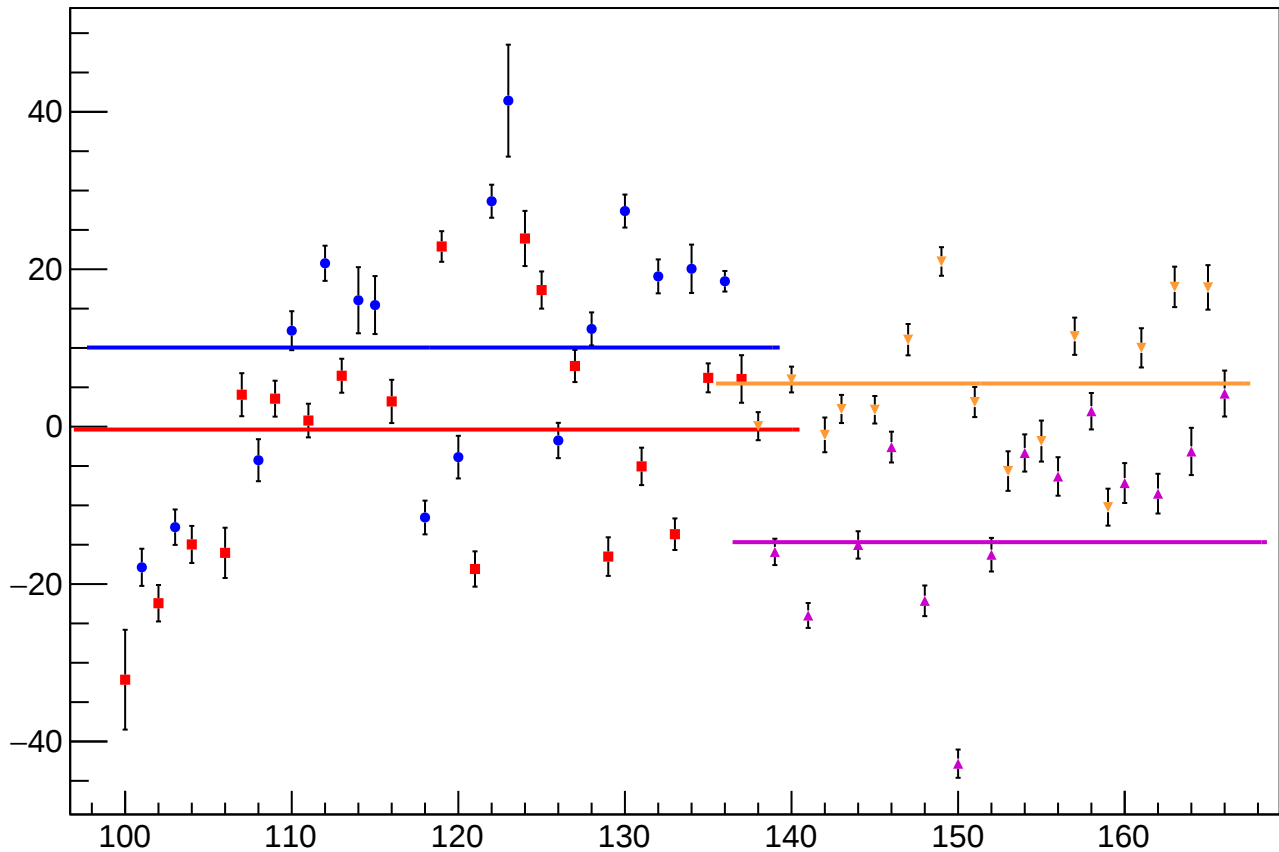
Right: 3096.979+/-0.589 χ^2/NDF : 15049.1/35

In: 3157.148+/-0.534 χ^2/NDF : 188443.8/30

Out: 3143.604+/-0.520 χ^2/NDF : 197590.7/33

All: 3150.205+/-0.373 χ^2/NDF : 386364.5/64

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055+/-0.562 χ^2/NDF : 692.2/16

Left Out: 5.483+/-0.537 χ^2/NDF : 230.6/14

Right Out: -0.367+/-0.547 χ^2/NDF : 629.8/18

Left In: -14.674+/-0.558 χ^2/NDF : 491.8/13

Left: -4.218+/-0.387 χ^2/NDF : 1399.8/28

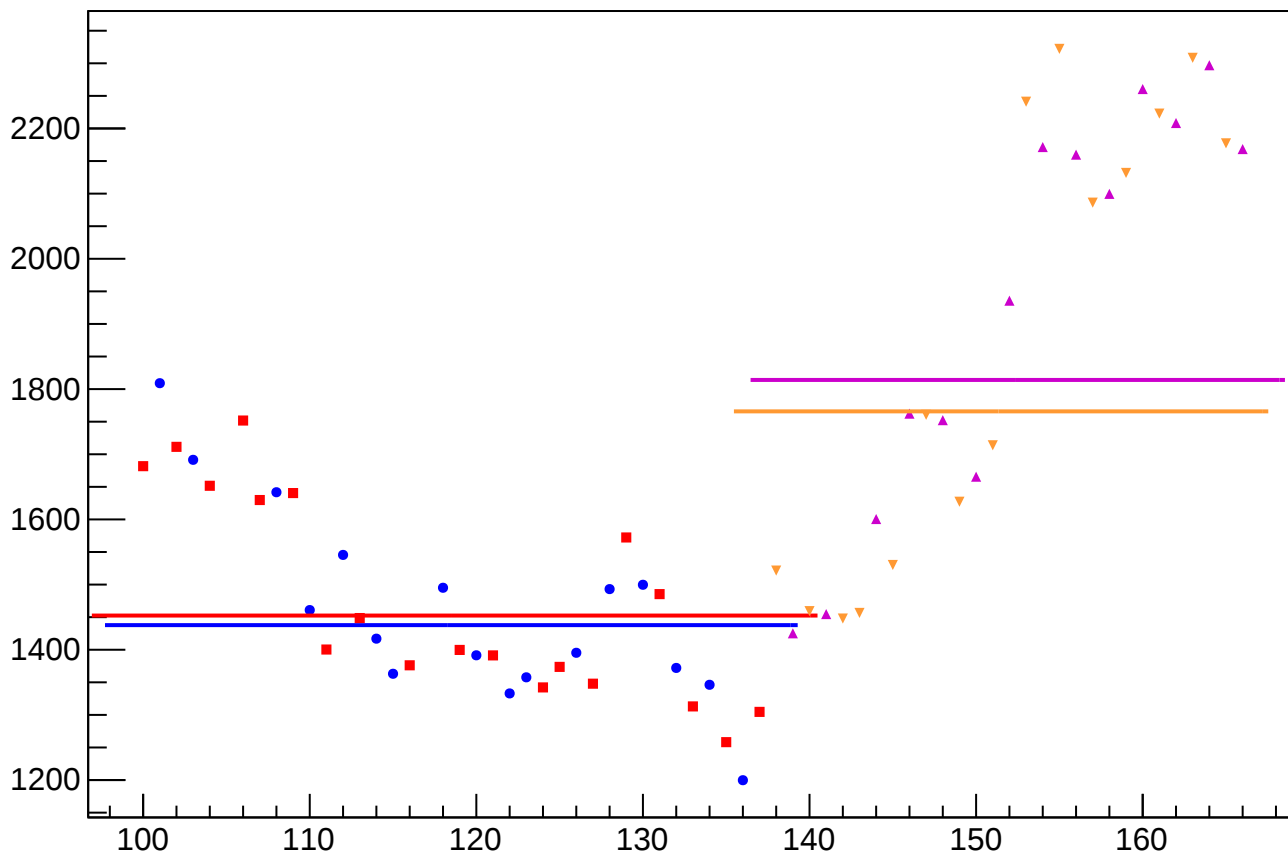
Right: 4.707+/-0.392 χ^2/NDF : 1498.8/35

In: -2.394+/-0.396 χ^2/NDF : 2160.0/30

Out: 2.610+/-0.383 χ^2/NDF : 918.7/33

All: 0.188+/-0.275 χ^2/NDF : 3161.1/64

diff_bpm0l01Y_rms vs Slug, Sign Corrected



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: 1814.063 $\pm$ 0.394 χ^2 /NDF: 572671.7/13

Left: 1789.044 $\pm$ 0.274 χ^2 /NDF: 1285526.5/28

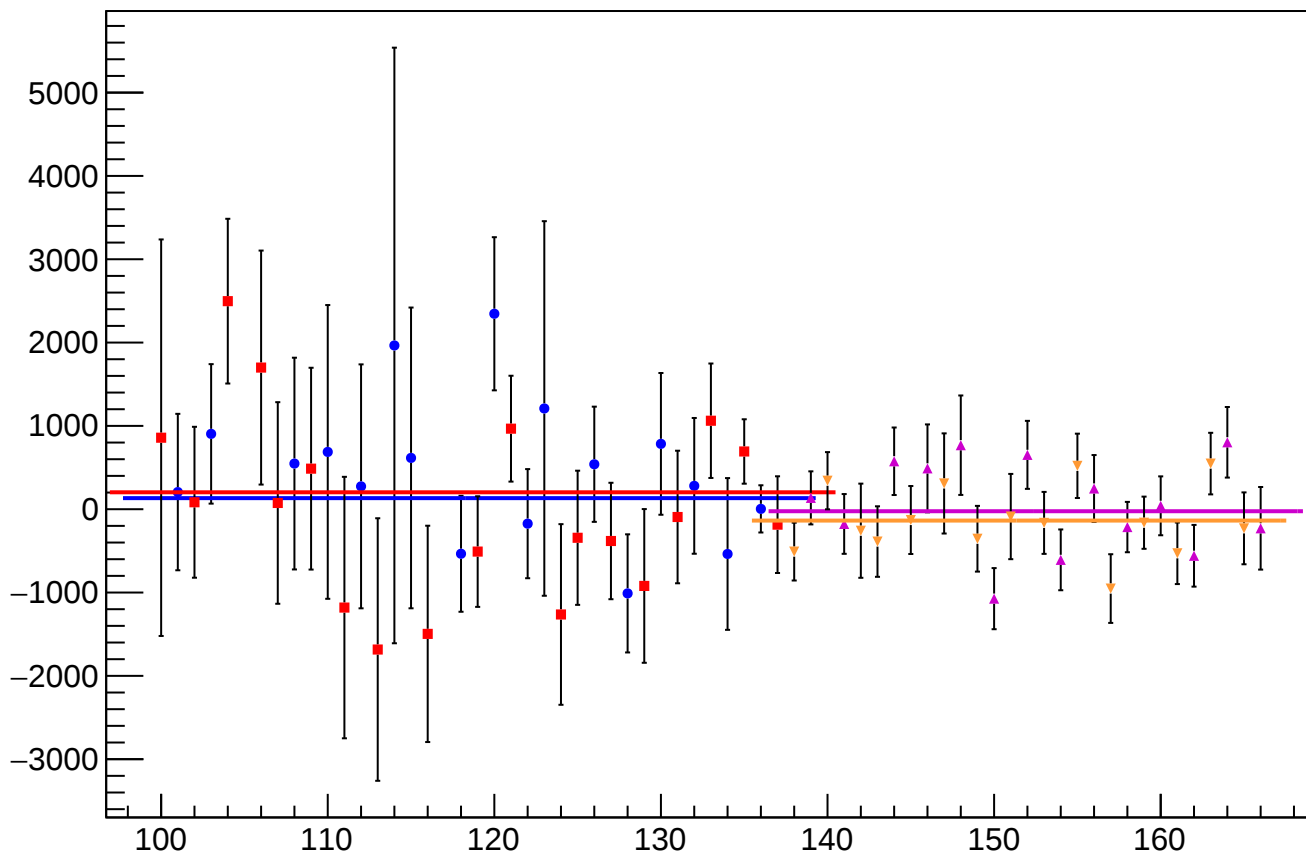
Right: 1445.316 $\pm$ 0.277 χ^2 /NDF: 312524.3/35

In: 1627.206 $\pm$ 0.280 χ^2 /NDF: 1197816.2/30

Out: 1611.961 $\pm$ 0.271 χ^2 /NDF: 1177746.9/33

All: 1619.340 $\pm$ 0.195 χ^2 /NDF: 2377094.1/64

asym_sam1_mean vs Slug, Sign Corrected



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: -24.122 $\pm$ 103.597 χ^2 /NDF:25.8/13

Left: -80.651 $\pm$ 72.977 χ^2 /NDF: 42.2/28

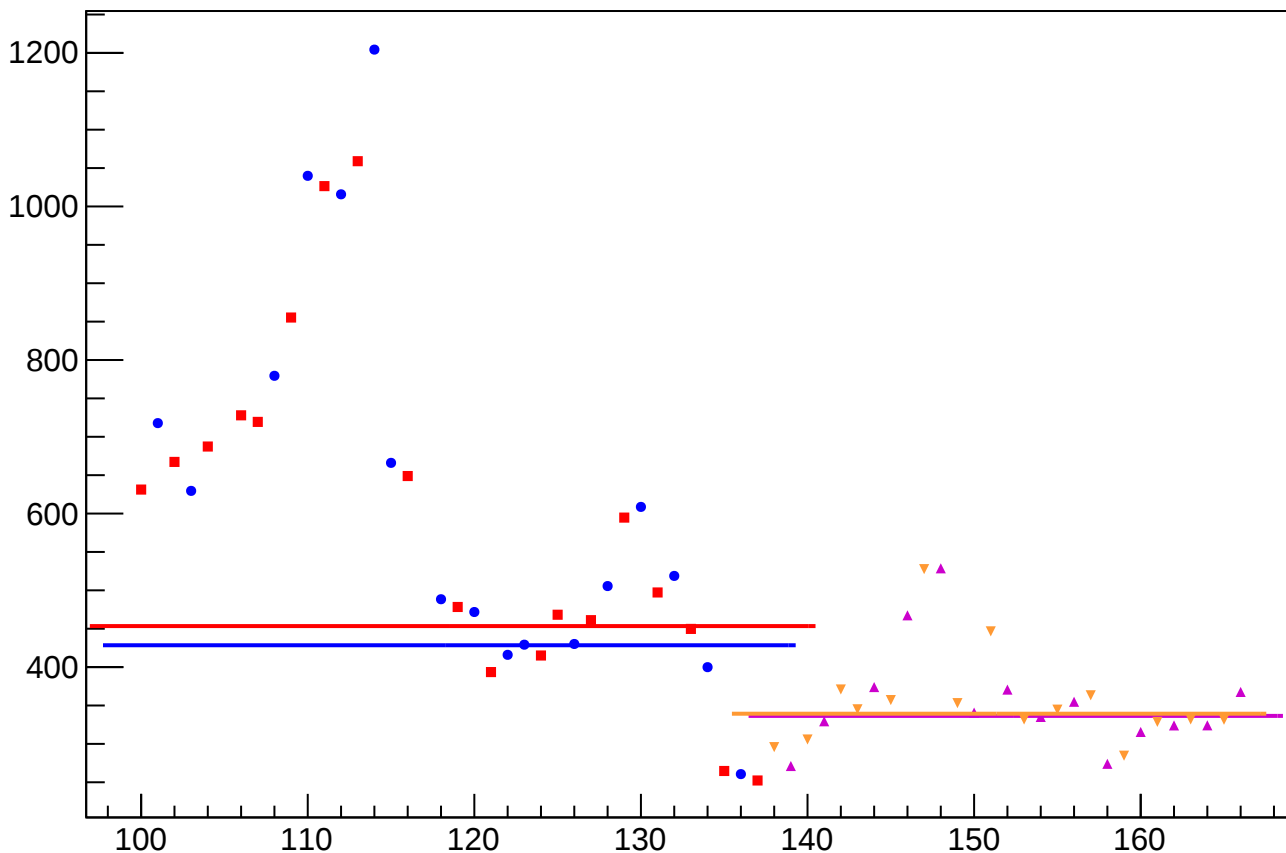
Right: 167.206 $\pm$ 128.890 χ^2 /NDF: 34.4/35

In: 14.866 $\pm$ 89.822 χ^2 /NDF:39.2/30

Out: -55.810 $\pm$ 89.795 χ^2 /NDF:39.8/33

All: -20.482 $\pm$ 63.504 χ^2 /NDF: 79.4/64

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 339.295 $\pm$ 0.073 χ^2 /NDF: 419801.6/14

Right Out: 453.435 $\pm$ 0.130 χ^2 /NDF: 2029813.8/18

Left In: 336.457 $\pm$ 0.073 χ^2 /NDF: 555512.8/13

Left: 337.887 $\pm$ 0.052 χ^2 /NDF: 976070.8/28

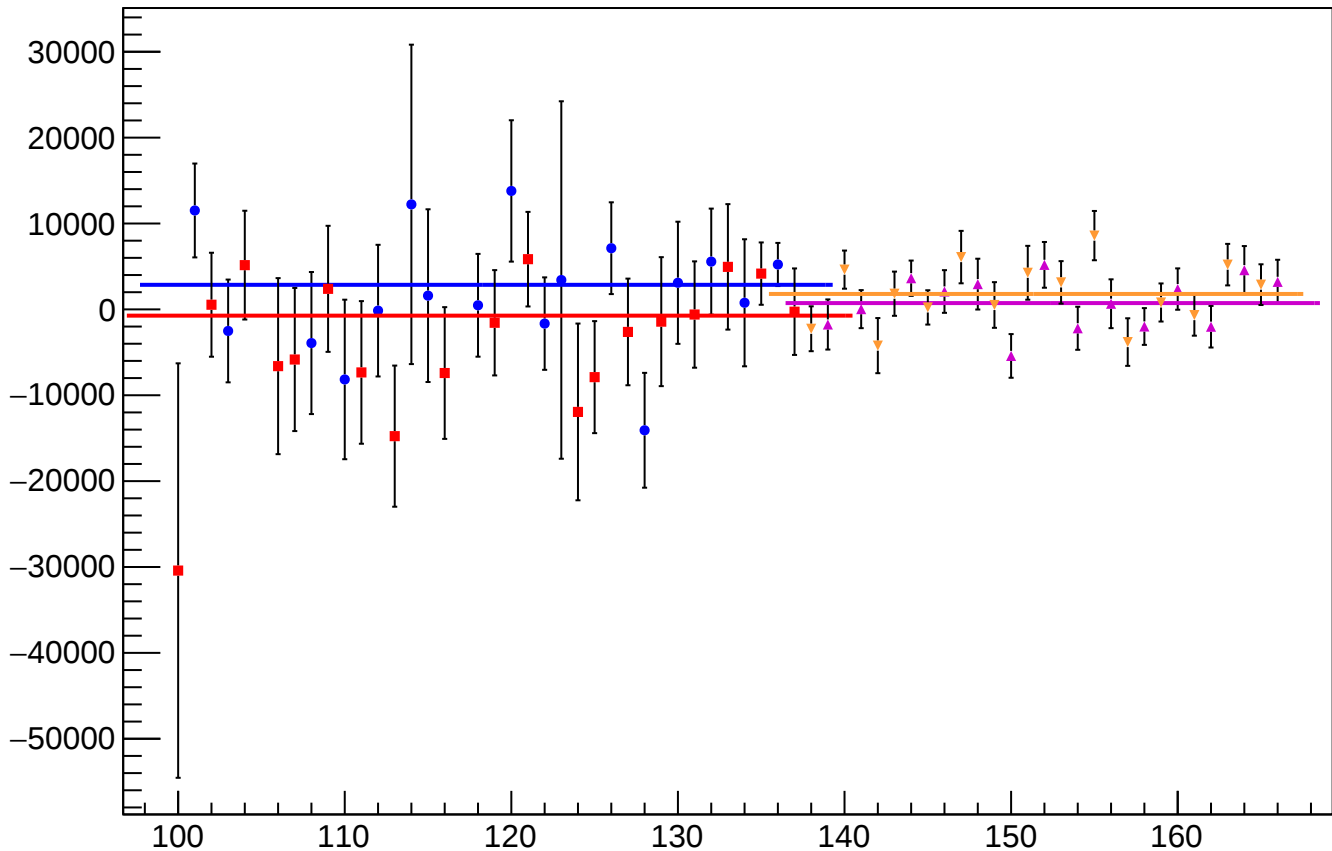
Right: 440.668 $\pm$ 0.091 χ^2 /NDF: 4060031.3/35

In: 359.298 $\pm$ 0.064 χ^2 /NDF: 2958575.5/30

Out: 366.375 $\pm$ 0.063 χ^2 /NDF: 3034387.3/33

All: 362.838 $\pm$ 0.045 χ^2 /NDF: 5999172.6/64

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2/NDF : 16.7/16

Left Out: 1796.437 $\pm$ 653.824 χ^2/NDF :24.4/14

Right Out: -729.571 $\pm$ 1509.224 χ^2/NDF : 14.0/18

Left In: 733.271 $\pm$ 666.423 χ^2/NDF :19.8/13

Left: 1274.999 $\pm$ 466.714 χ^2/NDF : 45.6/28

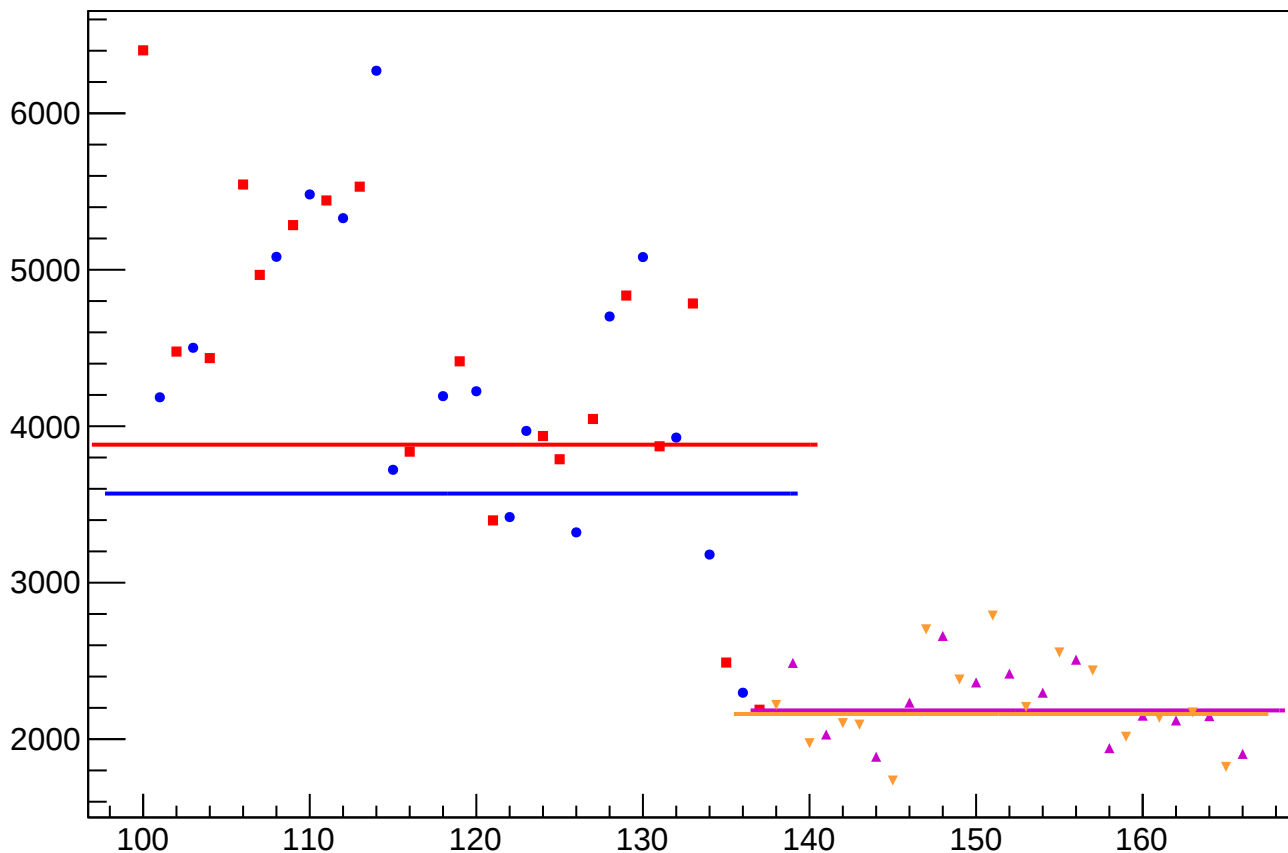
Right: 1139.446 $\pm$ 1044.821 χ^2/NDF : 33.6/35

In: 1104.993 $\pm$ 605.376 χ^2/NDF :38.3/30

Out: 1397.274 $\pm$ 599.945 χ^2/NDF :40.8/33

All: 1252.450 $\pm$ 426.132 χ^2/NDF : 79.2/64

asym_sam2_rms vs Slug, Sign Corrected



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: 2183.544+/-0.471 χ^2/NDF : 231778.2/13

Left: 2172.022+/-0.330 χ^2/NDF : 605592.8/28

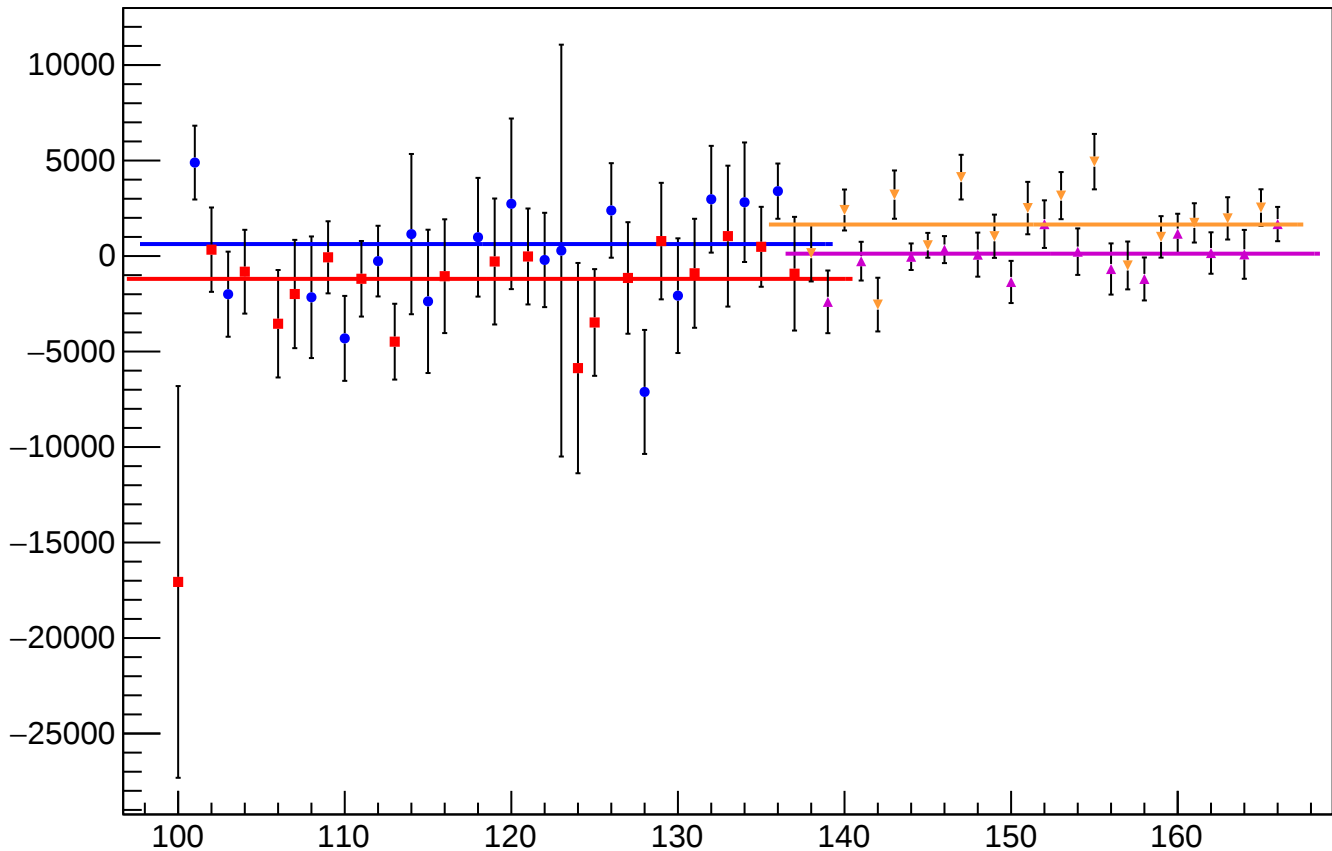
Right: 3719.420+/-0.739 χ^2/NDF : 2115685.3/35

In: 2425.855+/-0.428 χ^2/NDF : 2832209.4/30

Out: 2432.923+/-0.424 χ^2/NDF : 3546037.1/33

All: 2429.421+/-0.301 χ^2/NDF : 6378384.1/64

asym_sam3_mean vs Slug, Sign Corrected



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: 123.572+/-274.496 χ^2/NDF : 11.7/13

Left: 859.044+/-197.634 χ^2/NDF : 57.5/28

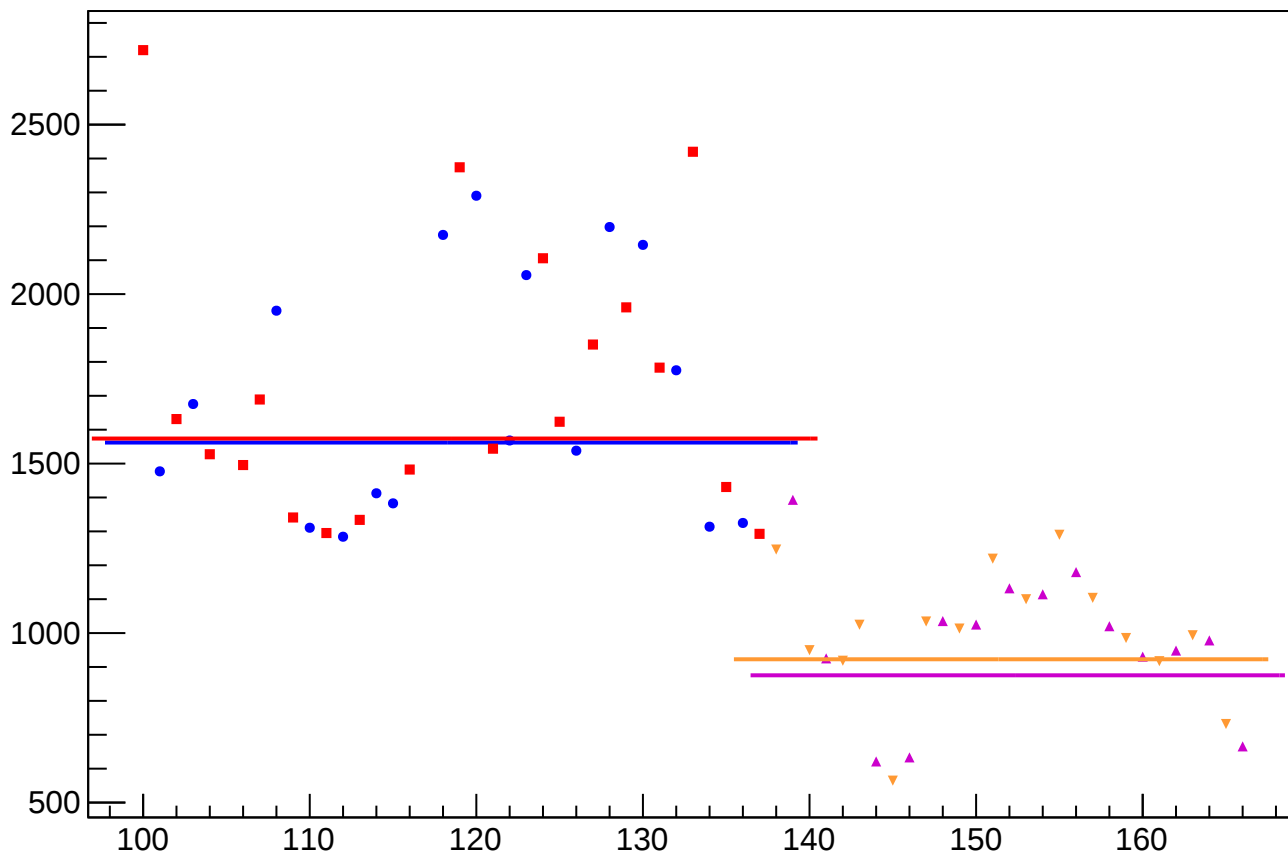
Right: -310.478+/-432.606 χ^2/NDF : 39.4/35

In: 205.979+/-251.058 χ^2/NDF : 37.4/30

Out: 1131.720+/-257.512 χ^2/NDF : 58.9/33

All: 657.103+/-179.763 χ^2/NDF : 102.9/64

asym_sam3_rms vs Slug, Sign Corrected



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: 875.417 +/- 0.194 χ^2/NDF : 1215963.1/13

Left: 898.192 +/- 0.140 χ^2/NDF : 2391049.9/28

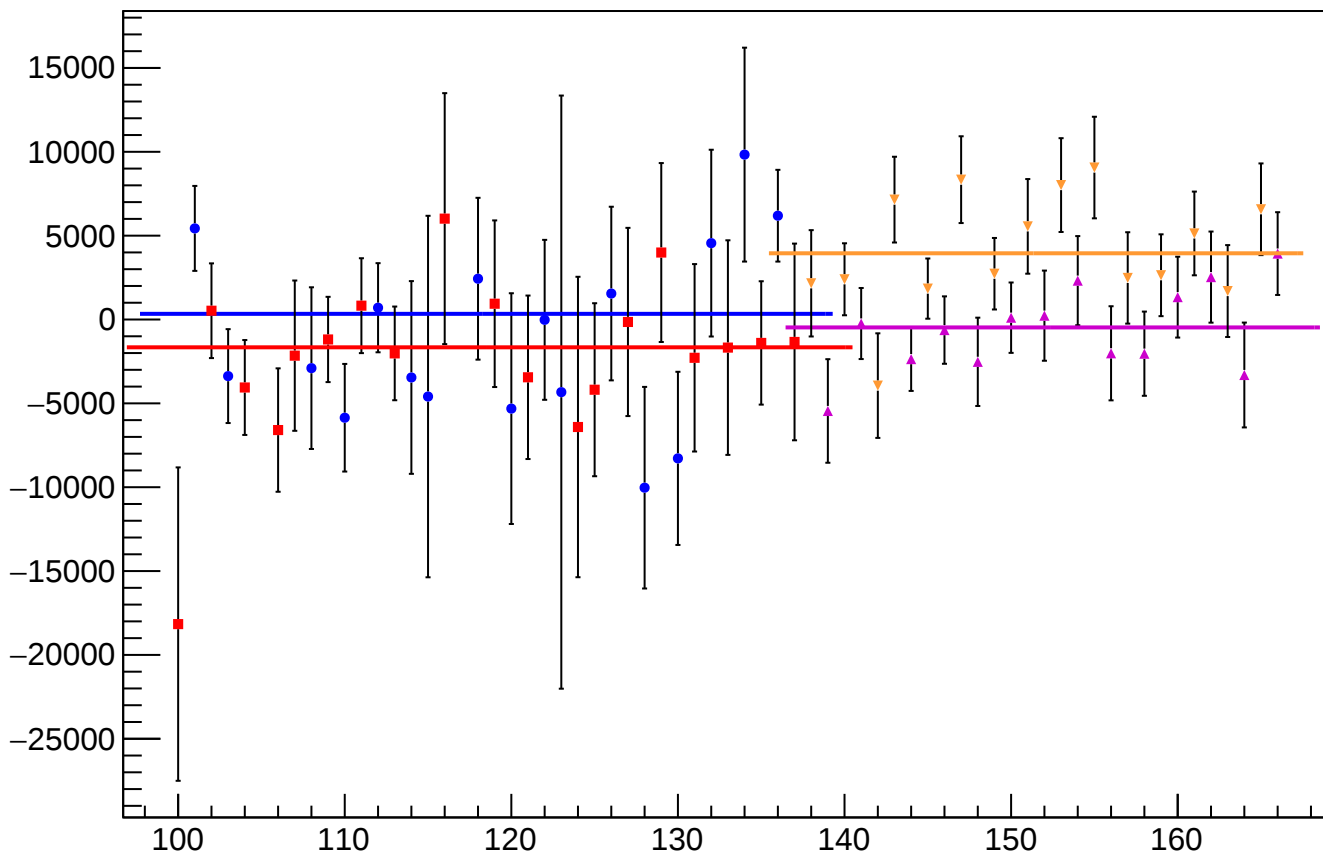
Right: 1568.176 +/- 0.306 χ^2/NDF : 946451.6/35

In: 987.676 +/- 0.178 χ^2/NDF : 3744198.2/30

Out: 1041.444 +/- 0.182 χ^2/NDF : 3517336.1/33

All: 1013.878 +/- 0.127 χ^2/NDF : 7306238.3/64

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 ± 995.842 $\chi^2/\text{NDF}: 24.8/16$

Left Out: 3948.867 ± 653.075 $\chi^2/\text{NDF}: 21.1/14$

Right Out: -1658.069 ± 924.453 $\chi^2/\text{NDF}: 10.3/18$

Left In: -472.234 ± 650.403 $\chi^2/\text{NDF}: 11.9/13$

Left: 1729.255 ± 460.846 $\chi^2/\text{NDF}: 56.0/28$

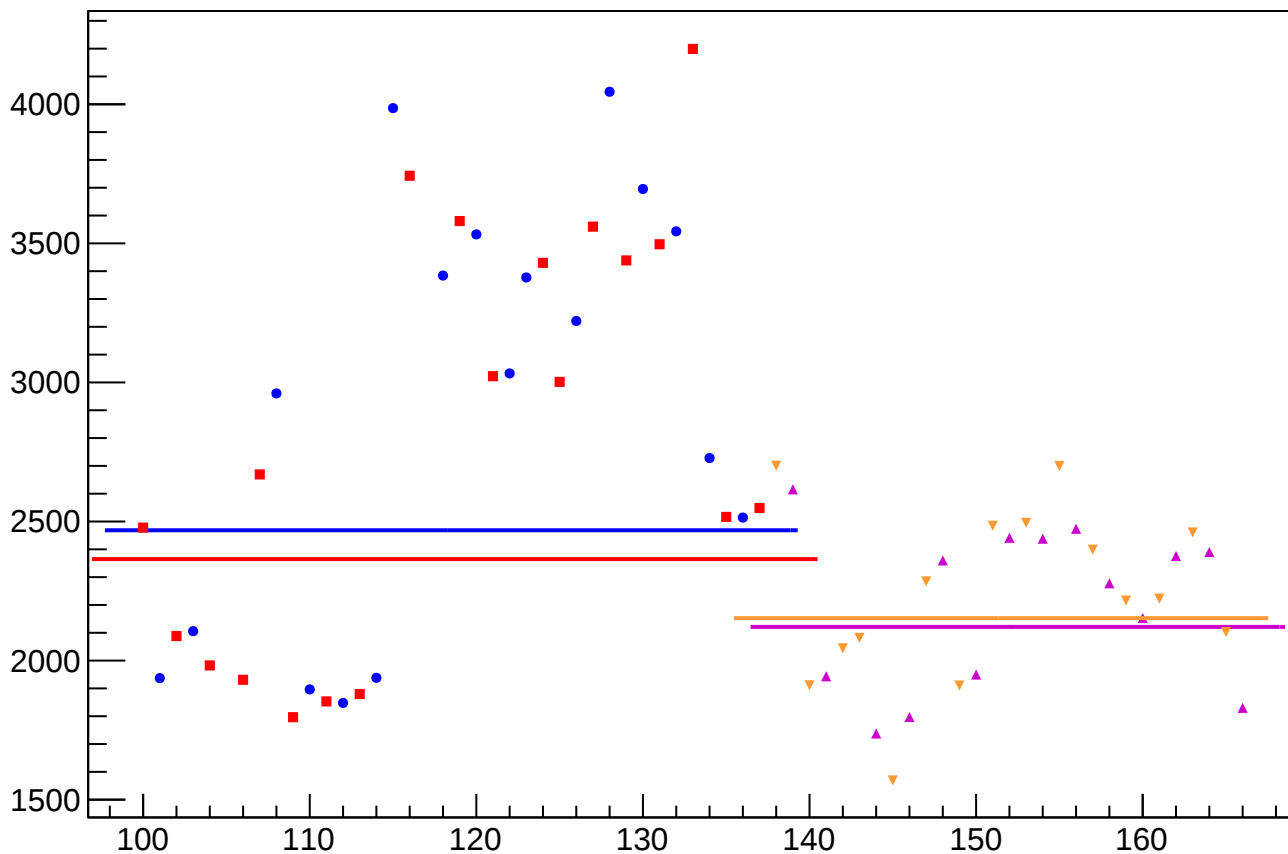
Right: -734.084 ± 677.520 $\chi^2/\text{NDF}: 37.2/35$

In: -229.927 ± 544.549 $\chi^2/\text{NDF}: 37.2/30$

Out: 2082.223 ± 533.400 $\chi^2/\text{NDF}: 55.9/33$

All: 950.060 ± 381.051 $\chi^2/\text{NDF}: 102.3/64$

asym_sam4_rms vs Slug, Sign Corrected



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: 2121.184+/-0.460 χ^2/NDF : 385500.9/13

Left: 2136.792+/-0.326 χ^2/NDF : 887270.8/28

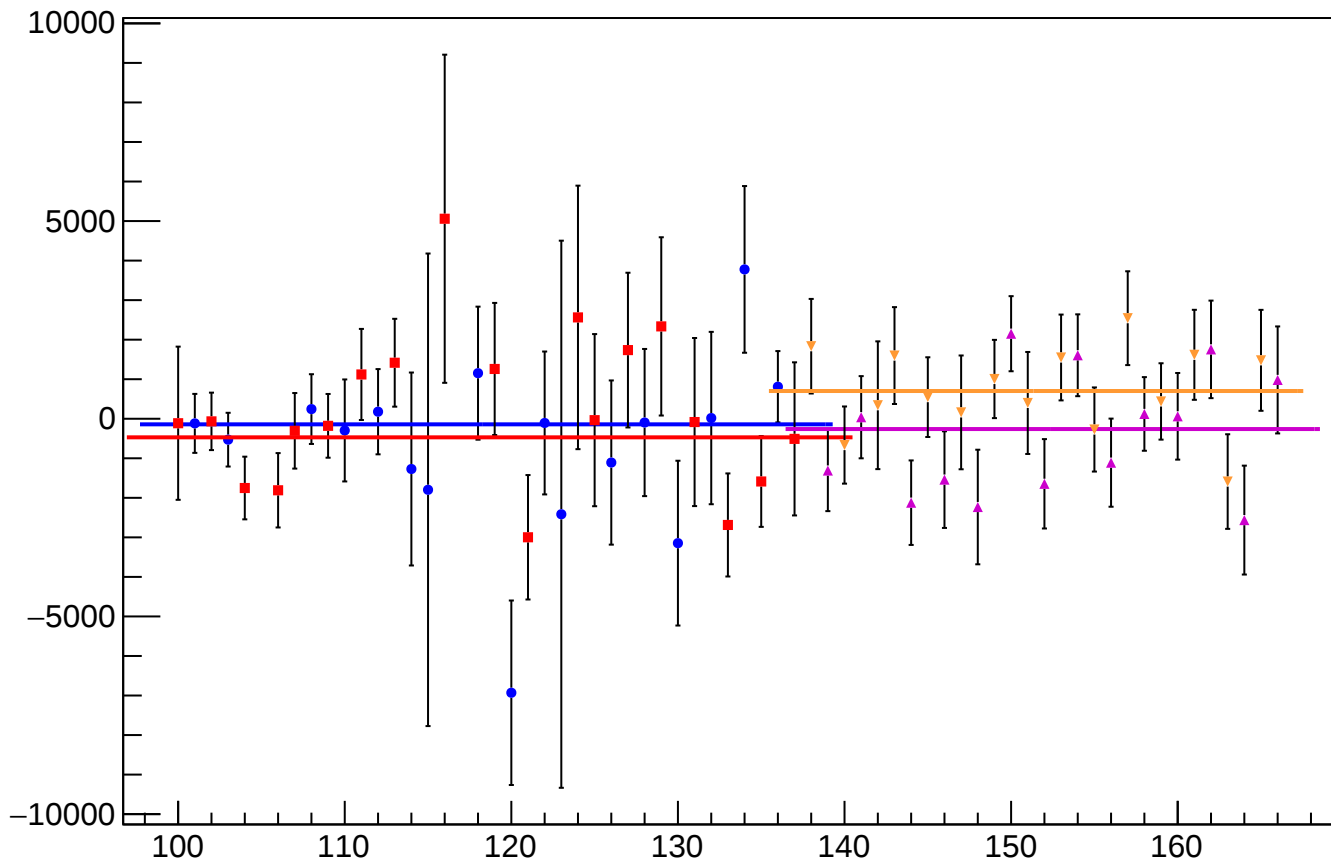
Right: 2412.813+/-0.479 χ^2/NDF : 1932953.4/35

In: 2225.033+/-0.385 χ^2/NDF : 1452176.7/30

Out: 2223.208+/-0.377 χ^2/NDF : 1594983.7/33

All: 2224.102+/-0.269 χ^2/NDF : 3047171.9/64

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 701.571+/-295.047 χ^2/NDF :12.4/14

Right Out: -470.143+/-282.892 χ^2/NDF : 22.9/18

Left In: -260.277+/-298.240 χ^2/NDF :25.5/13

Left: 225.822+/-209.749 χ^2/NDF : 43.1/28

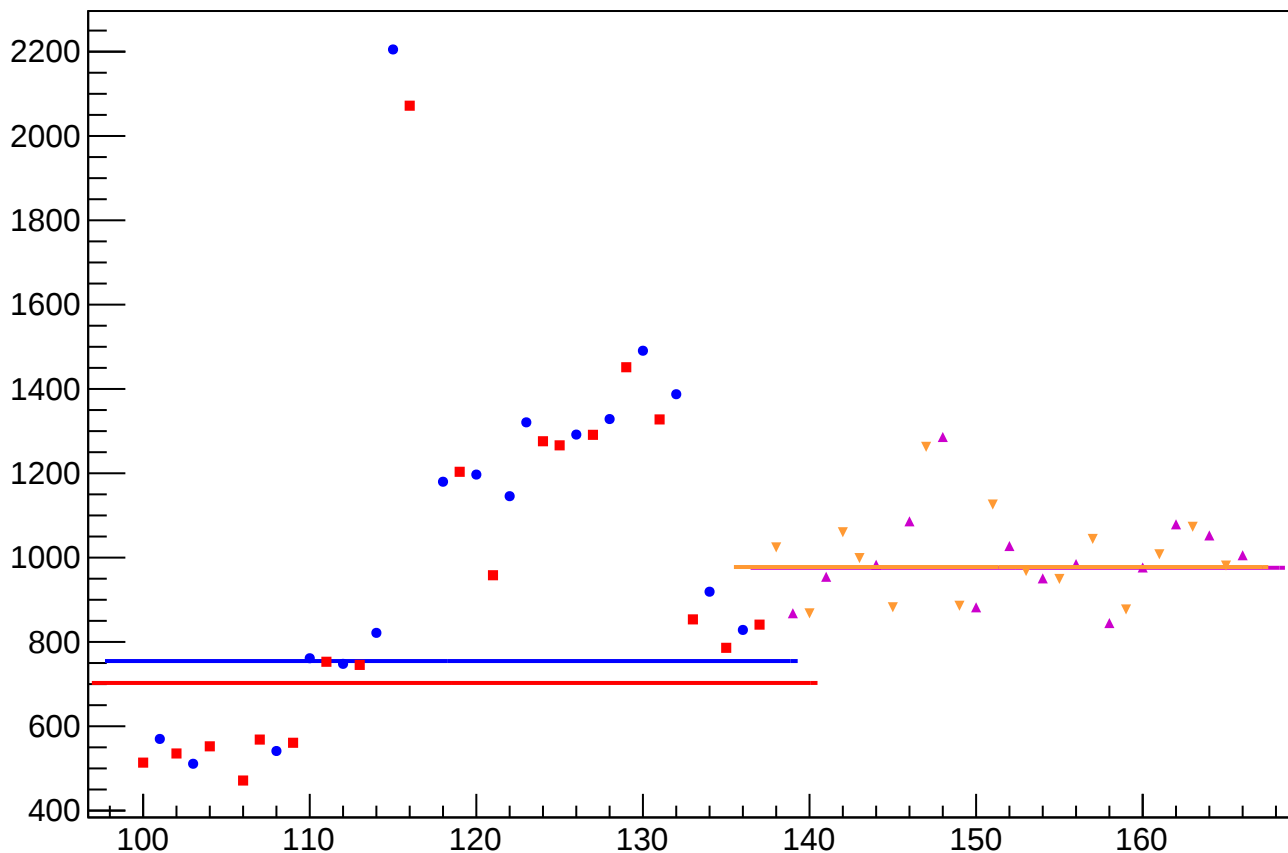
Right: -322.421+/-209.970 χ^2/NDF : 40.5/35

In: -203.679+/-216.021 χ^2/NDF :42.5/30

Out: 91.082+/-204.197 χ^2/NDF :43.5/33

All: -48.011+/-148.393 χ^2/NDF : 87.0/64

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 977.691+/-0.209 χ^2/NDF : 218018.2/14

Right Out: 702.721+/-0.200 χ^2/NDF : 1691602.9/18

Left In: 975.871+/-0.211 χ^2/NDF : 216647.4/13

Left: 976.791+/-0.148 χ^2/NDF : 434703.2/28

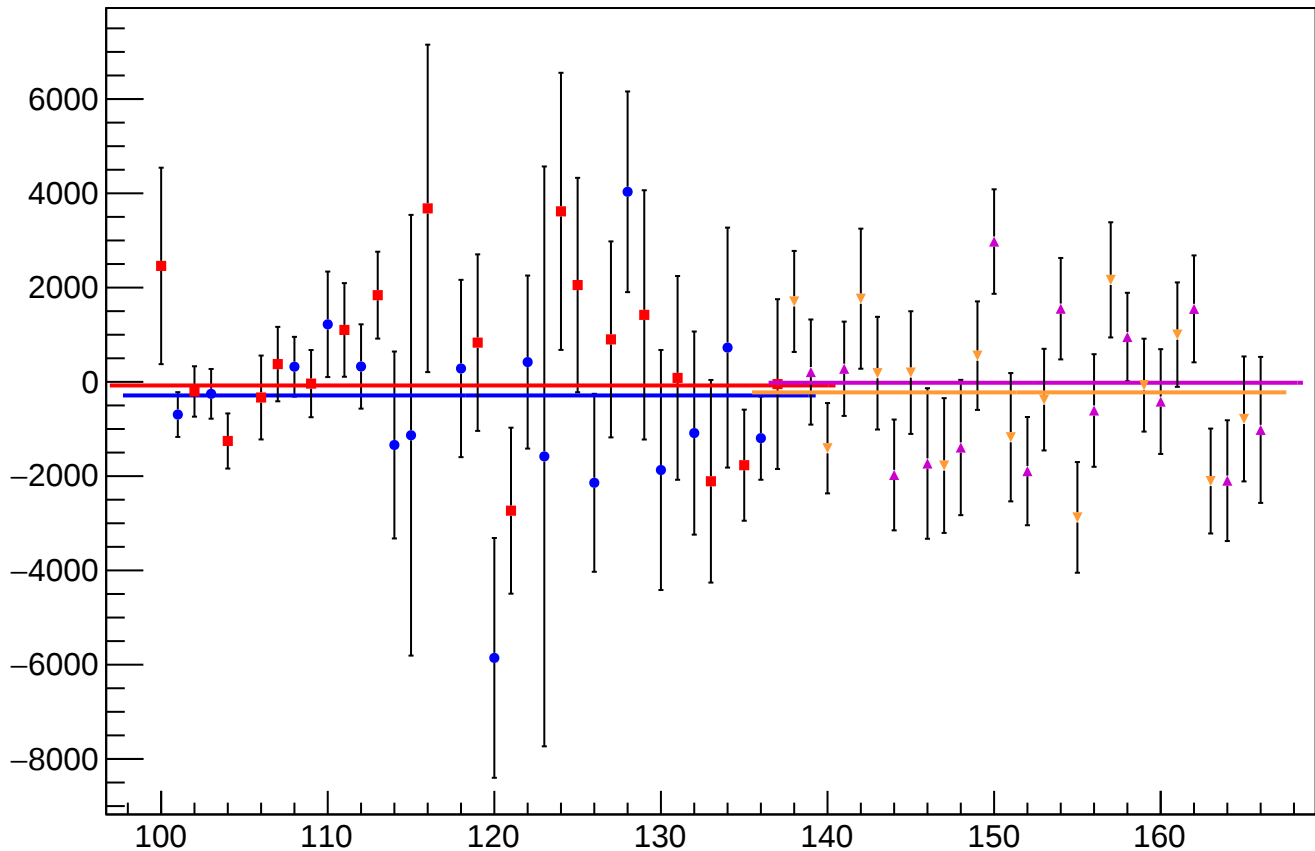
Right: 726.058+/-0.148 χ^2/NDF : 3412528.8/35

In: 870.728+/-0.153 χ^2/NDF : 2430196.3/30

Out: 834.426+/-0.144 χ^2/NDF : 2814669.7/33

All: 851.556+/-0.105 χ^2/NDF : 5274695.0/64

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 ± 250.436 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -223.225 ± 302.005 $\chi^2/\text{NDF}: 22.1/14$

Right Out: -76.119 ± 246.083 $\chi^2/\text{NDF}: 21.4/18$

Left In: -18.714 ± 311.723 $\chi^2/\text{NDF}: 23.5/13$

Left: -124.207 ± 216.904 $\chi^2/\text{NDF}: 45.8/28$

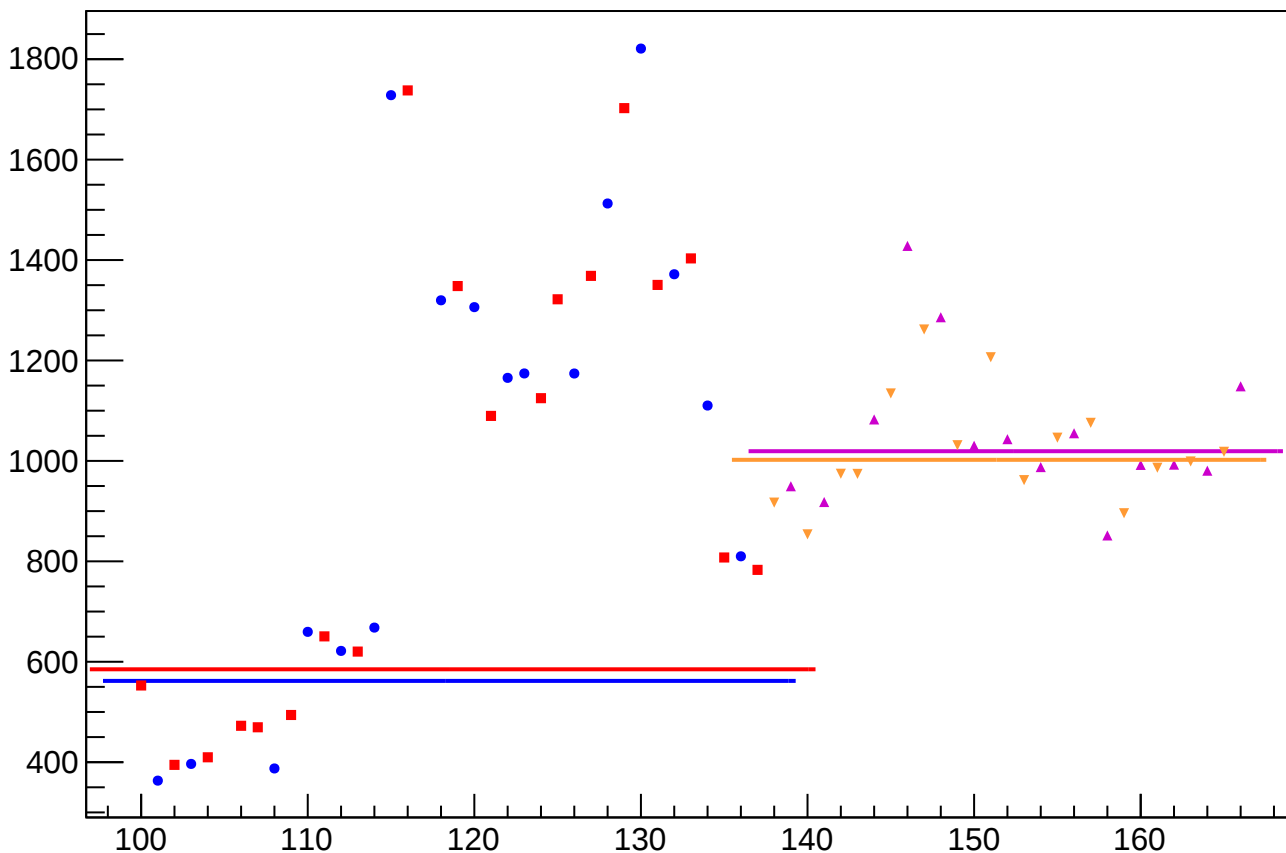
Right: -180.221 ± 175.526 $\chi^2/\text{NDF}: 37.9/35$

In: -182.393 ± 195.234 $\chi^2/\text{NDF}: 40.1/30$

Out: -134.817 ± 190.771 $\chi^2/\text{NDF}: 43.7/33$

All: -158.055 ± 136.446 $\chi^2/\text{NDF}: 83.8/64$

asym_sam6_rms vs Slug, Sign Corrected



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: 1019.317+/-0.220 χ^2/NDF : 320896.2/13

Left: 1010.466+/-0.153 χ^2/NDF : 556278.3/28

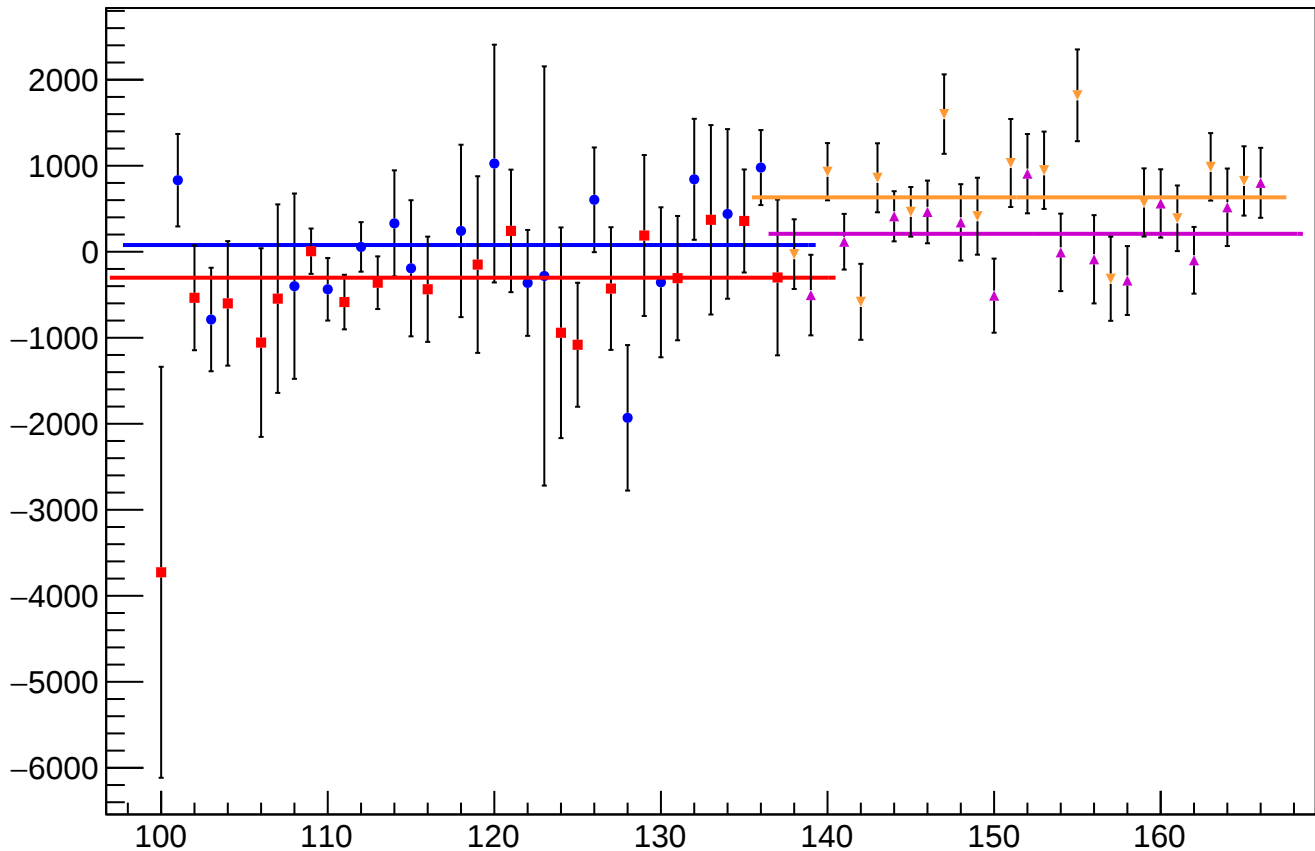
Right: 573.646+/-0.124 χ^2/NDF : 6049757.3/35

In: 741.322+/-0.138 χ^2/NDF : 6154807.1/30

Out: 751.450+/-0.135 χ^2/NDF : 5350094.4/33

All: 746.503+/-0.096 χ^2/NDF : 11507655.0/64

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 $\pm$ 142.869 χ^2 /NDF: 19.8/16

Left Out: 632.596 $\pm$ 105.094 χ^2 /NDF: 27.6/14

Right Out: -301.651 $\pm$ 129.650 χ^2 /NDF: 9.1/18

Left In: 208.526 $\pm$ 106.917 χ^2 /NDF: 15.0/13

Left: 424.206 $\pm$ 74.949 χ^2 /NDF: 50.5/28

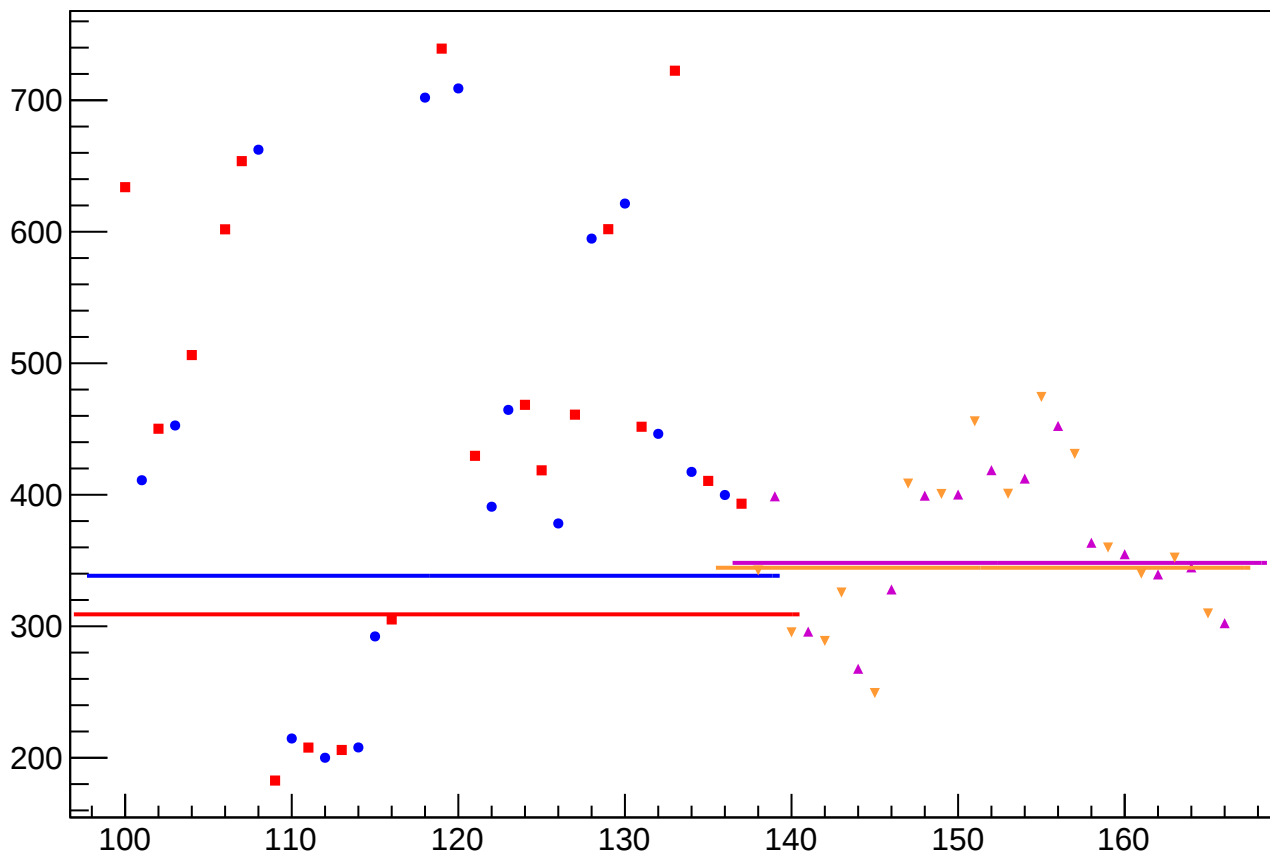
Right: -130.116 $\pm$ 96.010 χ^2 /NDF: 32.7/35

In: 161.735 $\pm$ 85.601 χ^2 /NDF: 35.3/30

Out: 262.141 $\pm$ 81.641 χ^2 /NDF: 68.0/33

All: 214.314 $\pm$ 59.079 χ^2 /NDF: 104.0/64

asym_sam7_rms vs Slug, Sign Corrected



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: 348.213 $\pm$ 0.076 χ^2 /NDF: 489645.1/13

Left: 346.329 $\pm$ 0.053 χ^2 /NDF: 1184935.9/28

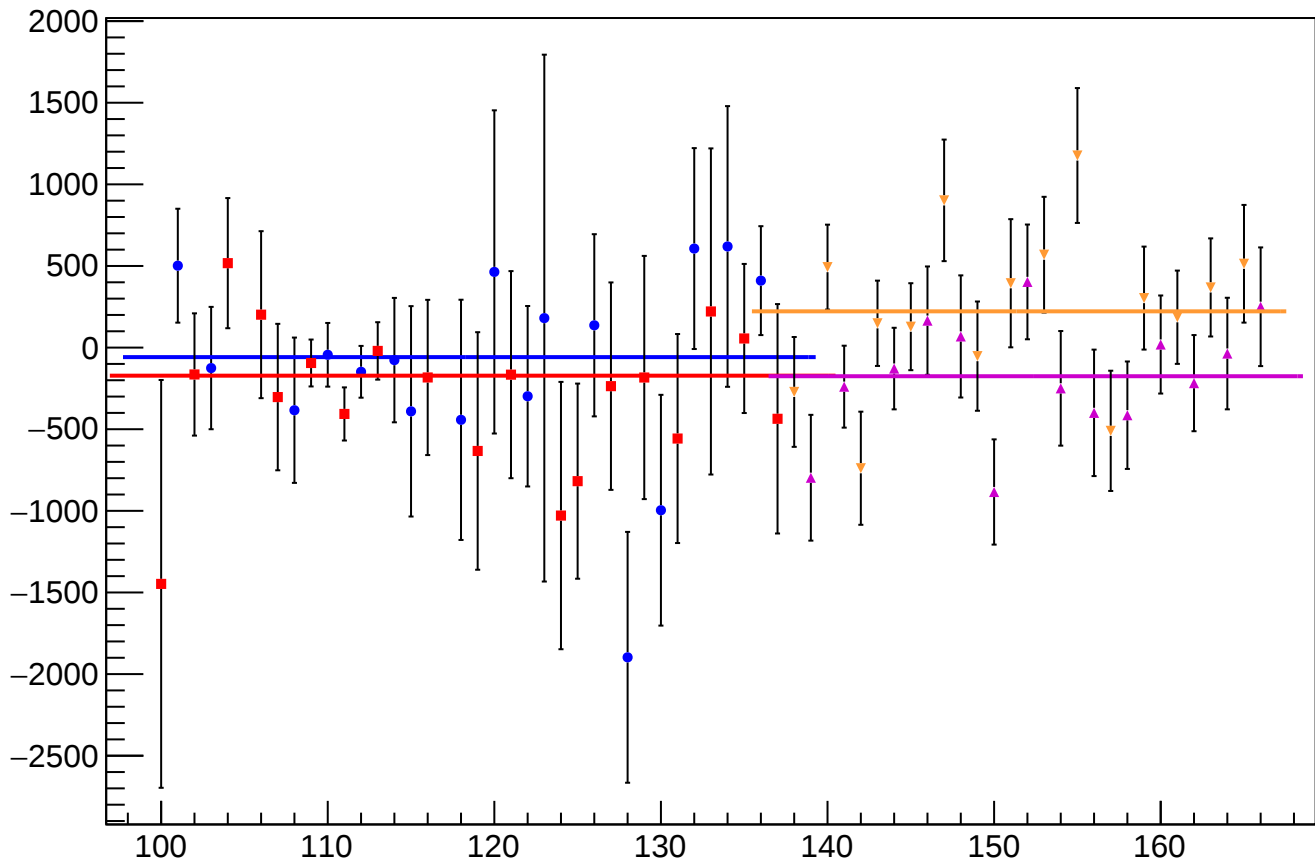
Right: 322.325 $\pm$ 0.068 χ^2 /NDF: 4788966.2/35

In: 344.693 $\pm$ 0.061 χ^2 /NDF: 2504970.4/30

Out: 330.461 $\pm$ 0.058 χ^2 /NDF: 3517656.3/33

All: 337.240 $\pm$ 0.042 χ^2 /NDF: 6051578.2/64

asym_sam8_mean vs Slug, Sign Corrected



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: -175.350 ± 85.956 $\chi^2/\text{NDF}: 14.6/13$

Left: 30.634 ± 59.663 $\chi^2/\text{NDF}: 52.2/28$

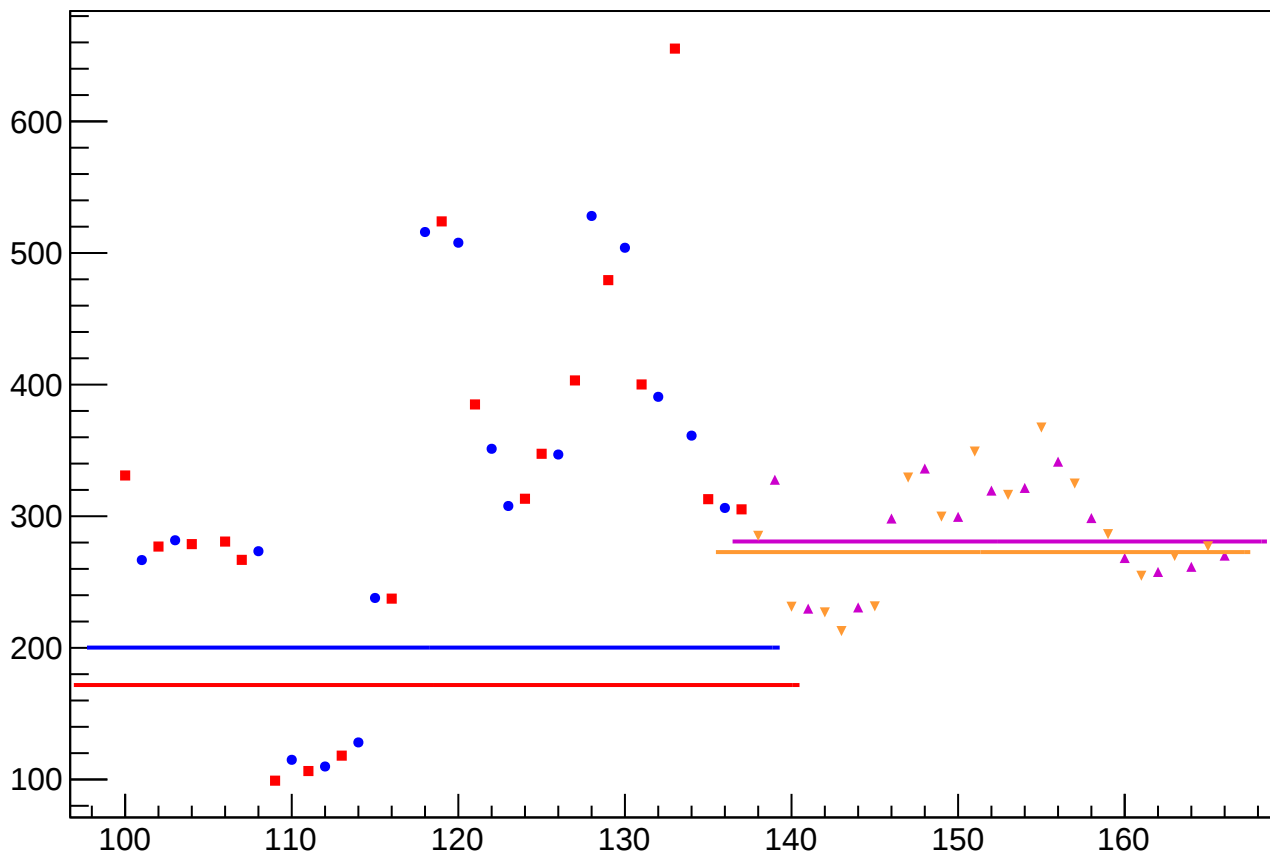
Right: -124.276 ± 58.606 $\chi^2/\text{NDF}: 28.1/35$

In: -119.826 ± 62.320 $\chi^2/\text{NDF}: 31.4/30$

Out: 10.413 ± 56.380 $\chi^2/\text{NDF}: 50.0/33$

All: -48.206 ± 41.809 $\chi^2/\text{NDF}: 83.8/64$

asym_sam8_rms vs Slug, Sign Corrected



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: 280.814+/-0.061 χ^2/NDF :378802.3/13

Left: 276.644+/-0.042 χ^2/NDF : 952014.6/28

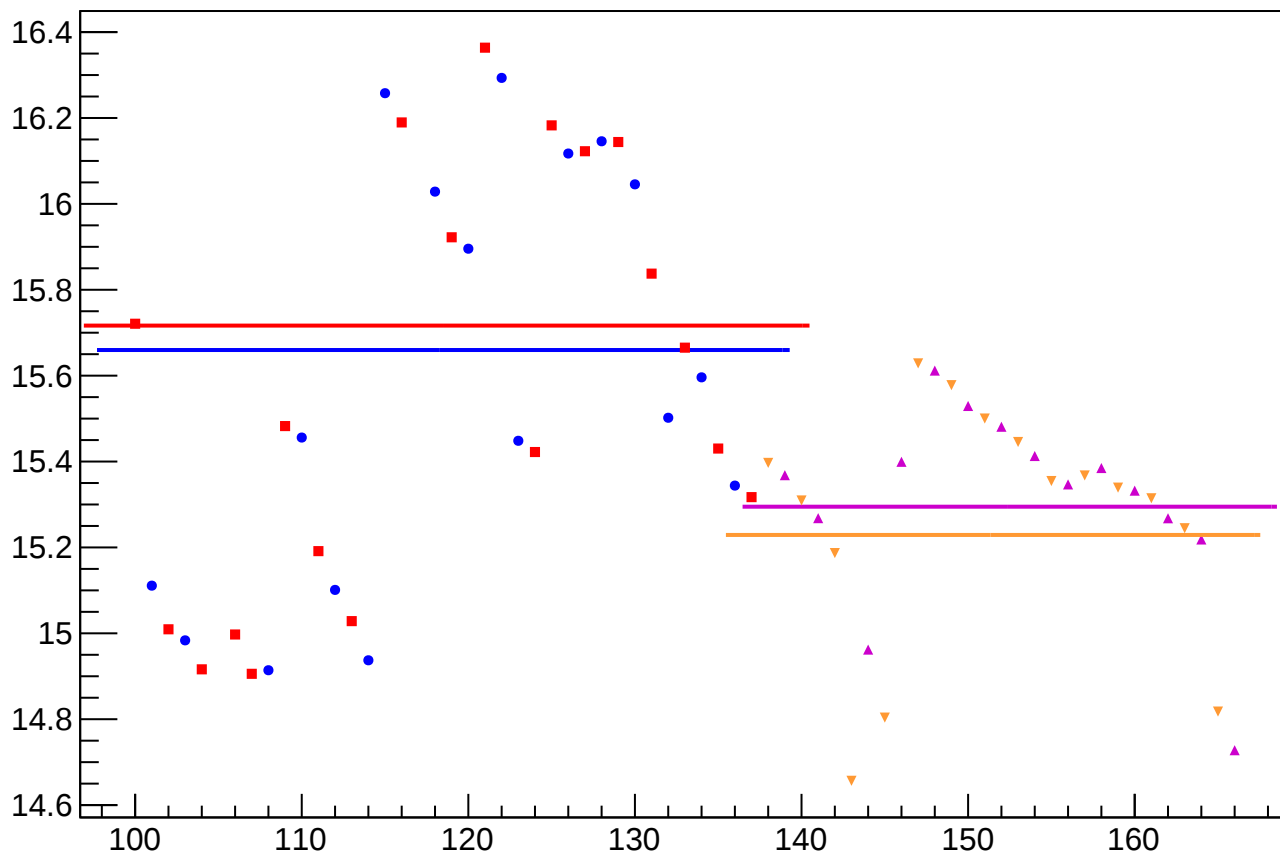
Right: 183.693+/-0.041 χ^2/NDF : 7595909.3/35

In: 242.579+/-0.044 χ^2/NDF :4600267.2/30

Out: 218.500+/-0.040 χ^2/NDF :6254029.6/33

All: 229.337+/-0.030 χ^2/NDF : 11018489.1/64

yield_sam1_mean vs Slug, Sign Corrected



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

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

Left In: 15.295 $\pm$ 0.000 χ^2 /NDF: 3663916454.8/13

Left: 15.261 $\pm$ 0.000 χ^2 /NDF: 10983559029.4/28

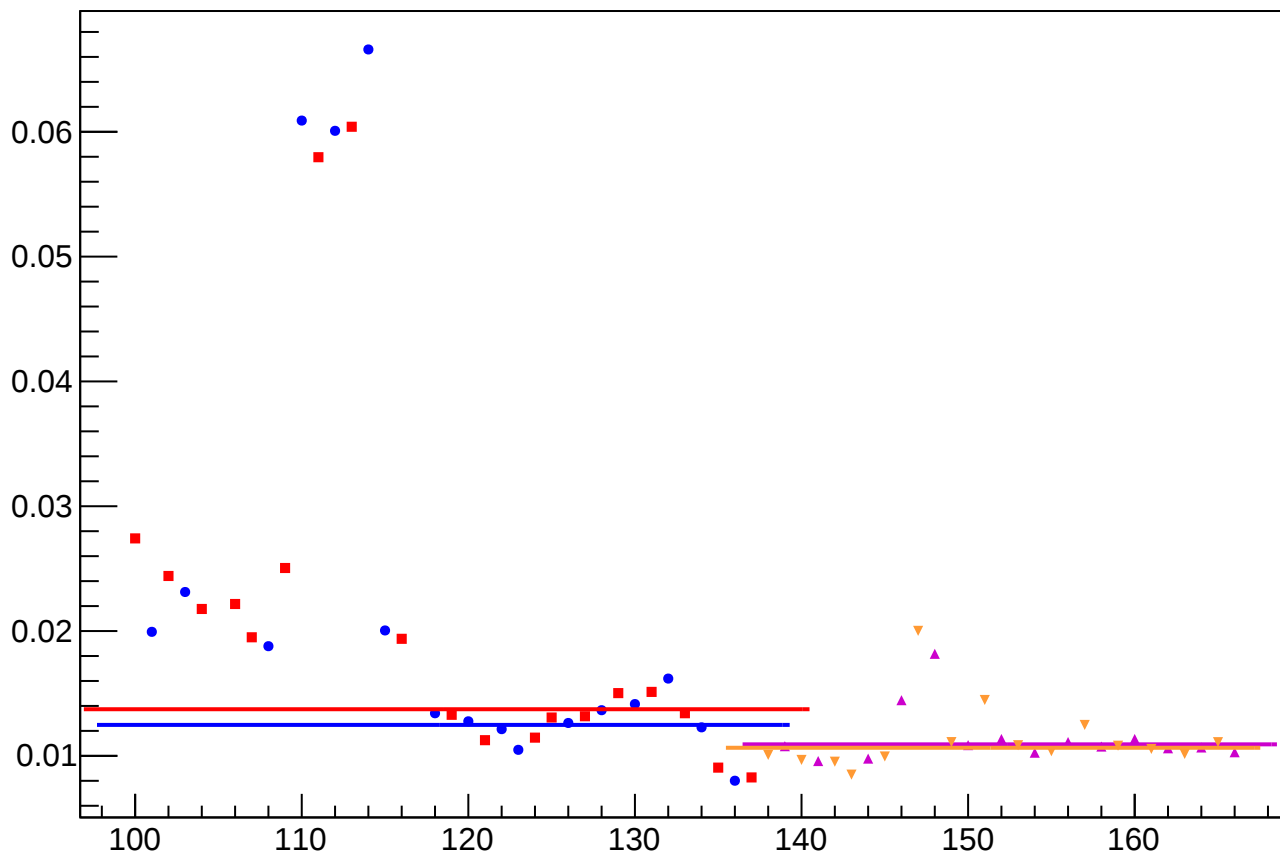
Right: 15.686 $\pm$ 0.000 χ^2 /NDF: 11294352327.9/35

In: 15.397 $\pm$ 0.000 χ^2 /NDF: 12620314268.7/30

Out: 15.347 $\pm$ 0.000 χ^2 /NDF: 17795526495.6/33

All: 15.372 $\pm$ 0.000 χ^2 /NDF: 30565719558.2

yield_sam1_rms vs Slug, Sign Corrected



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 :402078.2/13

Left: 0.011+/-0.000 χ^2/NDF : 997438.2/28

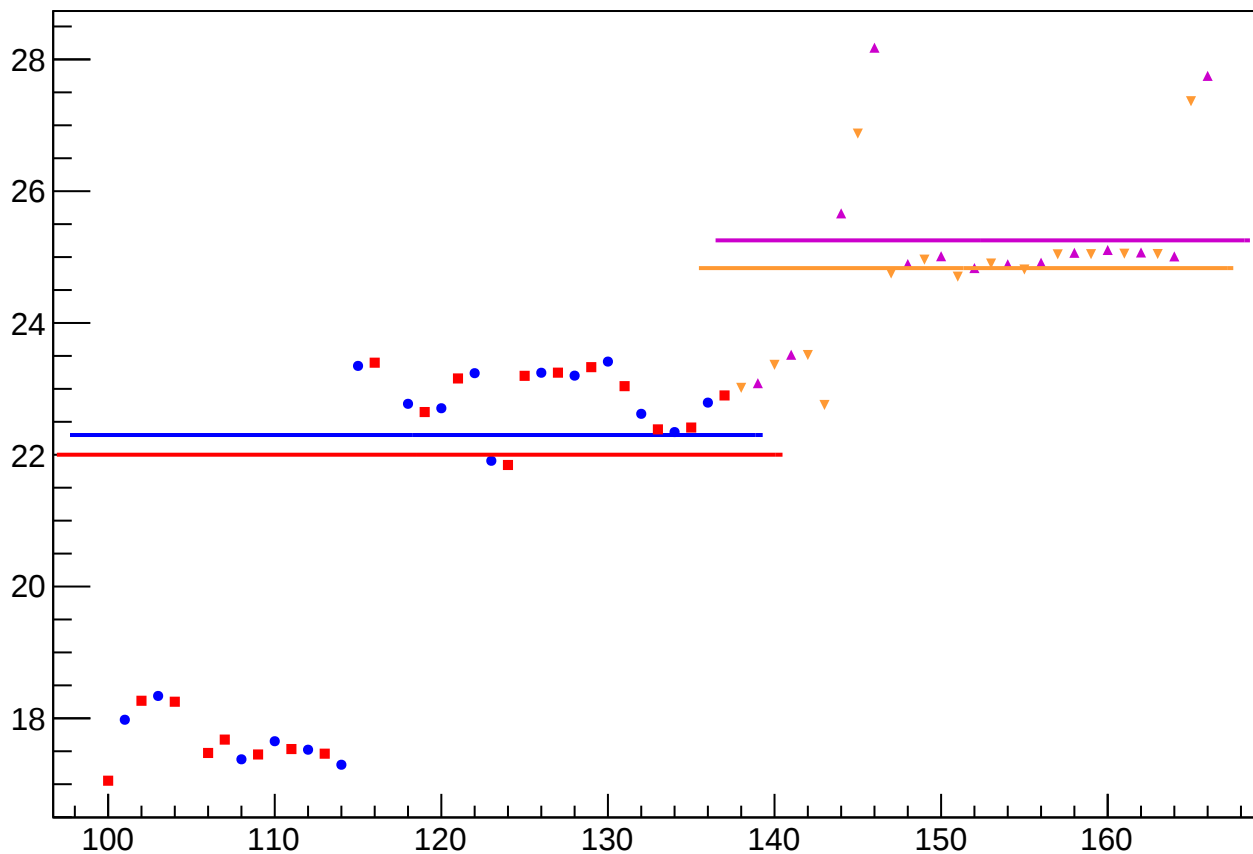
Right: 0.013+/-0.000 χ^2/NDF : 4279107.1/35

In: 0.011+/-0.000 χ^2/NDF :2670756.1/30

Out: 0.011+/-0.000 χ^2/NDF :3083892.7/33

All: 0.011+/-0.000 χ^2/NDF : 5754798.0/64

yield_sam2_mean vs Slug, Sign Corrected



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: 25.254+/-0.000 χ^2/NDF : 1005910723.1/13

Left: 25.037+/-0.000 χ^2/NDF : 2238665457.9/28

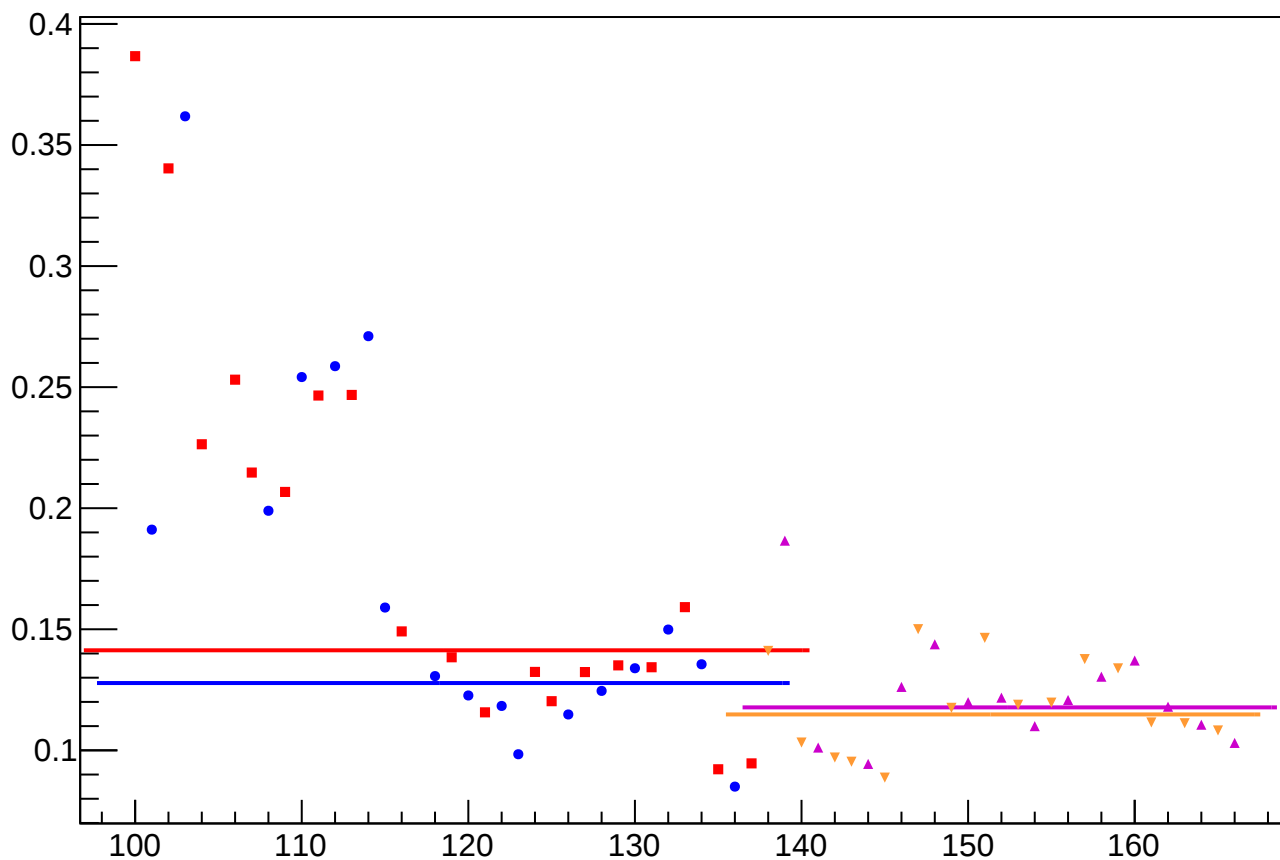
Right: 22.159+/-0.000 χ^2/NDF : 2017477949.3/35

In: 24.322+/-0.000 χ^2/NDF : 3794560734.4/30

Out: 24.043+/-0.000 χ^2/NDF : 3832470966.9/33

All: 24.182+/-0.000 χ^2/NDF : 7665389328.2/66

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.115+/-0.000 χ^2/NDF : 457908.1/14

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

Left In: 0.118+/-0.000 χ^2/NDF : 451215.8/13

Left: 0.116+/-0.000 χ^2/NDF : 914988.7/28

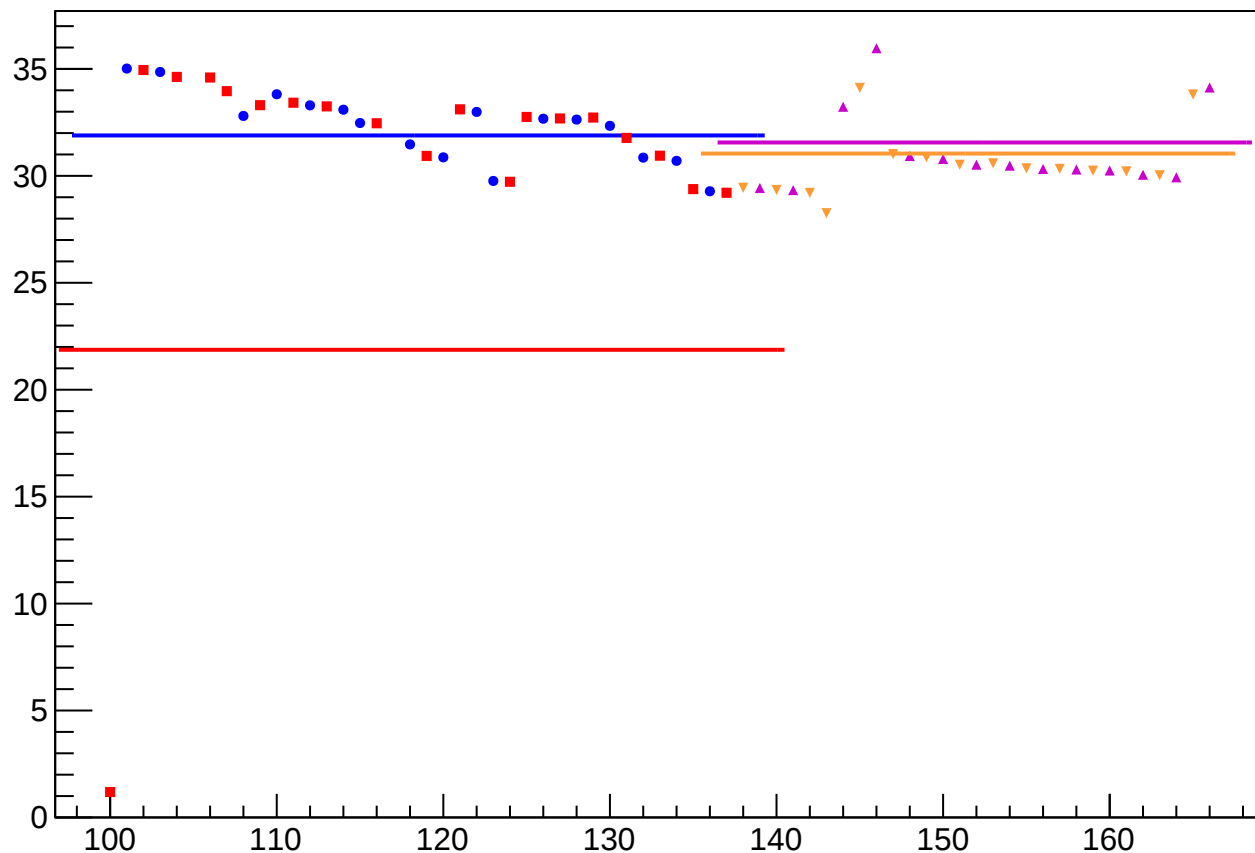
Right: 0.134+/-0.000 χ^2/NDF : 2994732.7/35

In: 0.121+/-0.000 χ^2/NDF : 1986193.1/30

Out: 0.122+/-0.000 χ^2/NDF : 2186241.9/33

All: 0.122+/-0.000 χ^2/NDF : 4174109.2/64

yield_sam3_mean vs Slug, Sign Corrected



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: 31.561+/-0.000 χ^2/NDF : 7768502625.8/13

Left: 31.302+/-0.000 χ^2/NDF : 13923152213.0/28

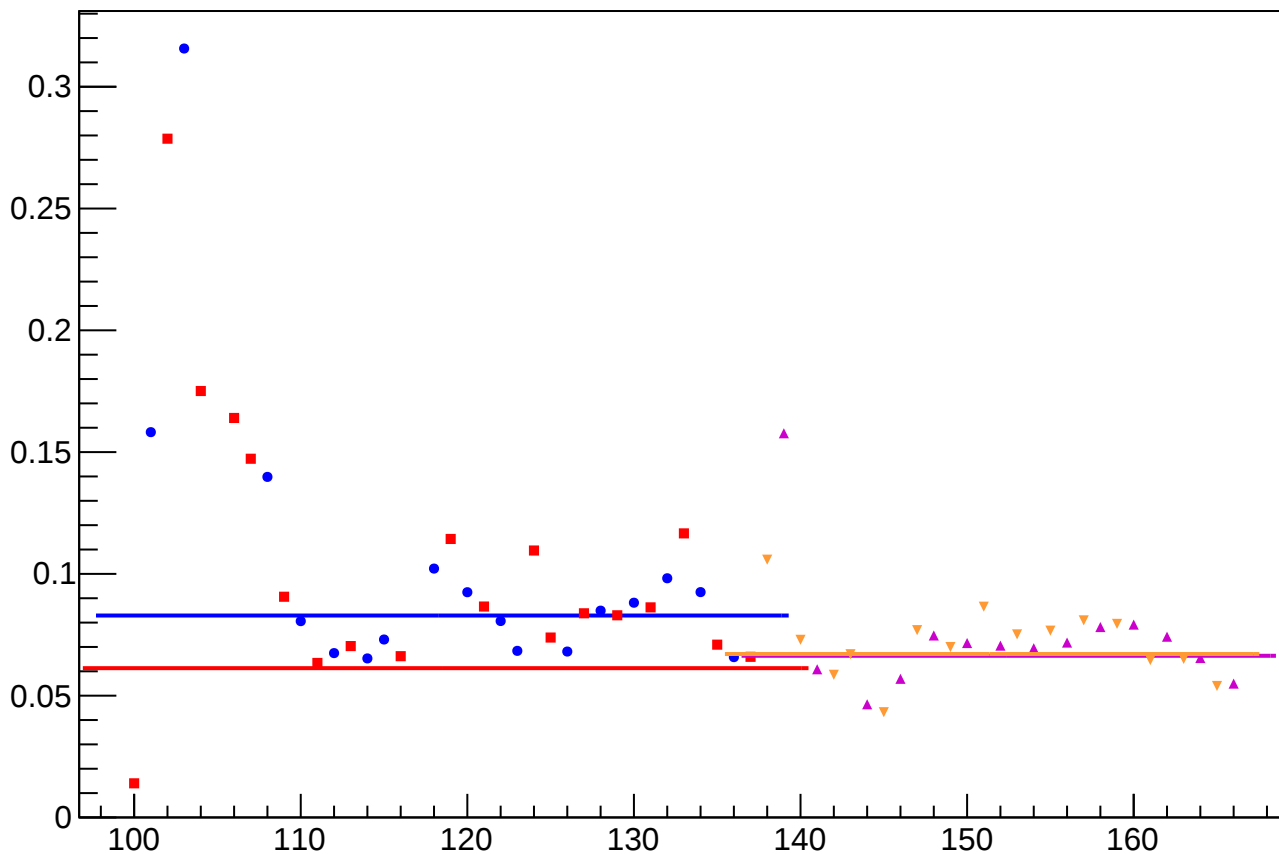
Right: 25.887+/-0.000 χ^2/NDF : 274879927198.7/35

In: 31.651+/-0.000 χ^2/NDF : 9754594013.7/30

Out: 27.707+/-0.000 χ^2/NDF : 293005999887.3/33

All: 29.555+/-0.000 χ^2/NDF : 324108055170.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.067+/-0.000 χ^2/NDF : 753457.6/14

Right Out: 0.061+/-0.000 χ^2/NDF : 3603853.3/18

Left In: 0.066+/-0.000 χ^2/NDF : 890176.8/13

Left: 0.067+/-0.000 χ^2/NDF : 1644620.6/28

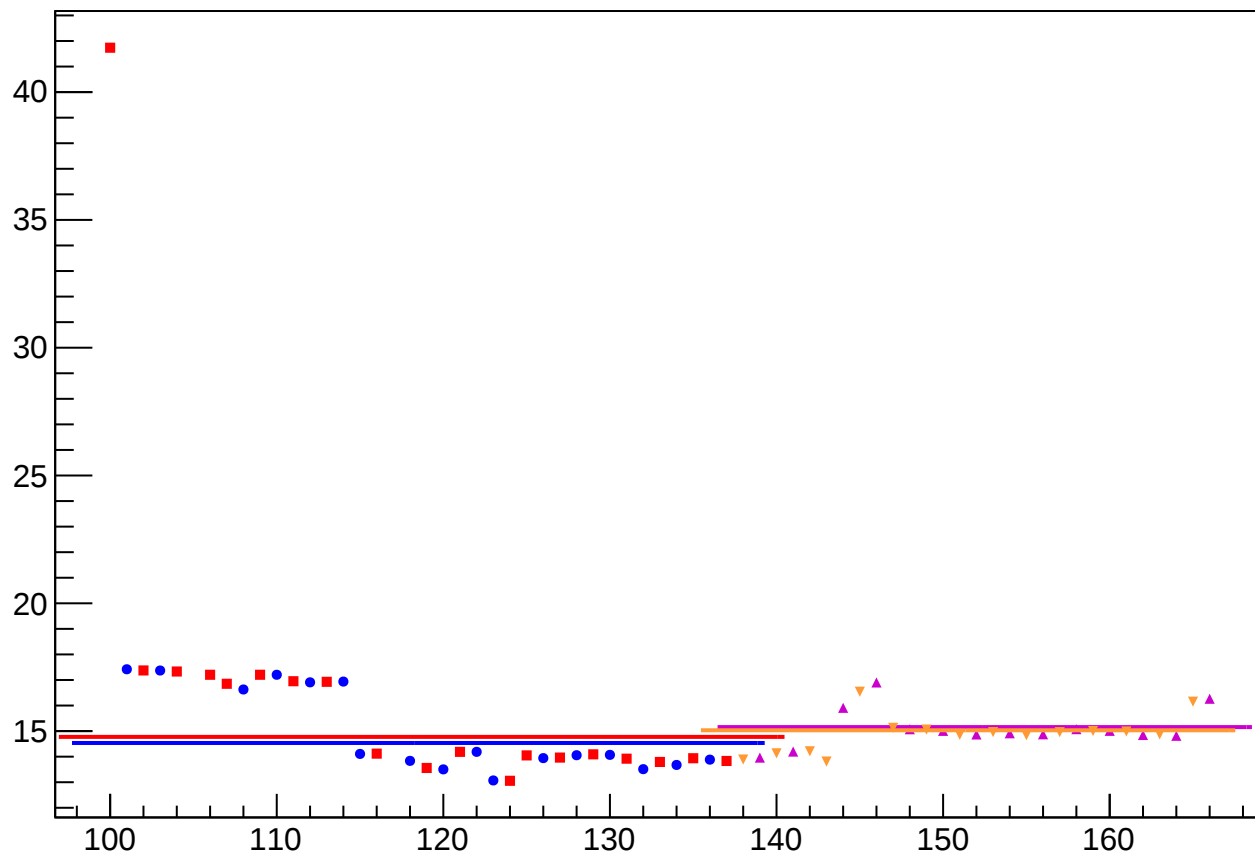
Right: 0.070+/-0.000 χ^2/NDF : 5167150.6/35

In: 0.071+/-0.000 χ^2/NDF : 2336600.8/30

Out: 0.065+/-0.000 χ^2/NDF : 4403053.8/33

All: 0.068+/-0.000 χ^2/NDF : 6836771.4/64

yield_sam4_mean vs Slug, Sign Corrected



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: 15.157+/-0.000 χ^2/NDF : 894081430.1/13

Left: 15.093+/-0.000 χ^2/NDF : 2025312067.4/28

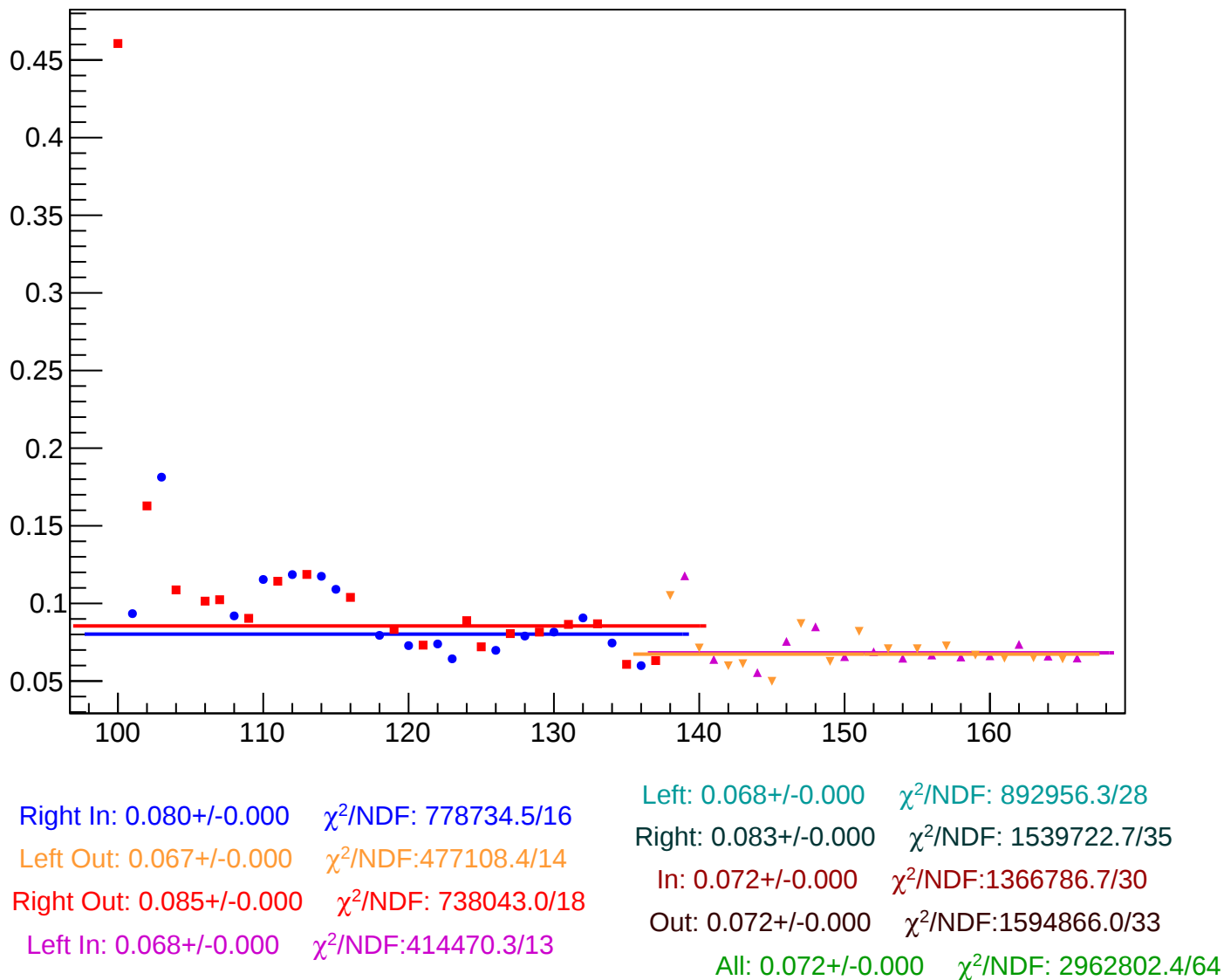
Right: 14.651+/-0.000 χ^2/NDF : 3380785876.4/35

In: 14.968+/-0.000 χ^2/NDF : 2595023960.0/30

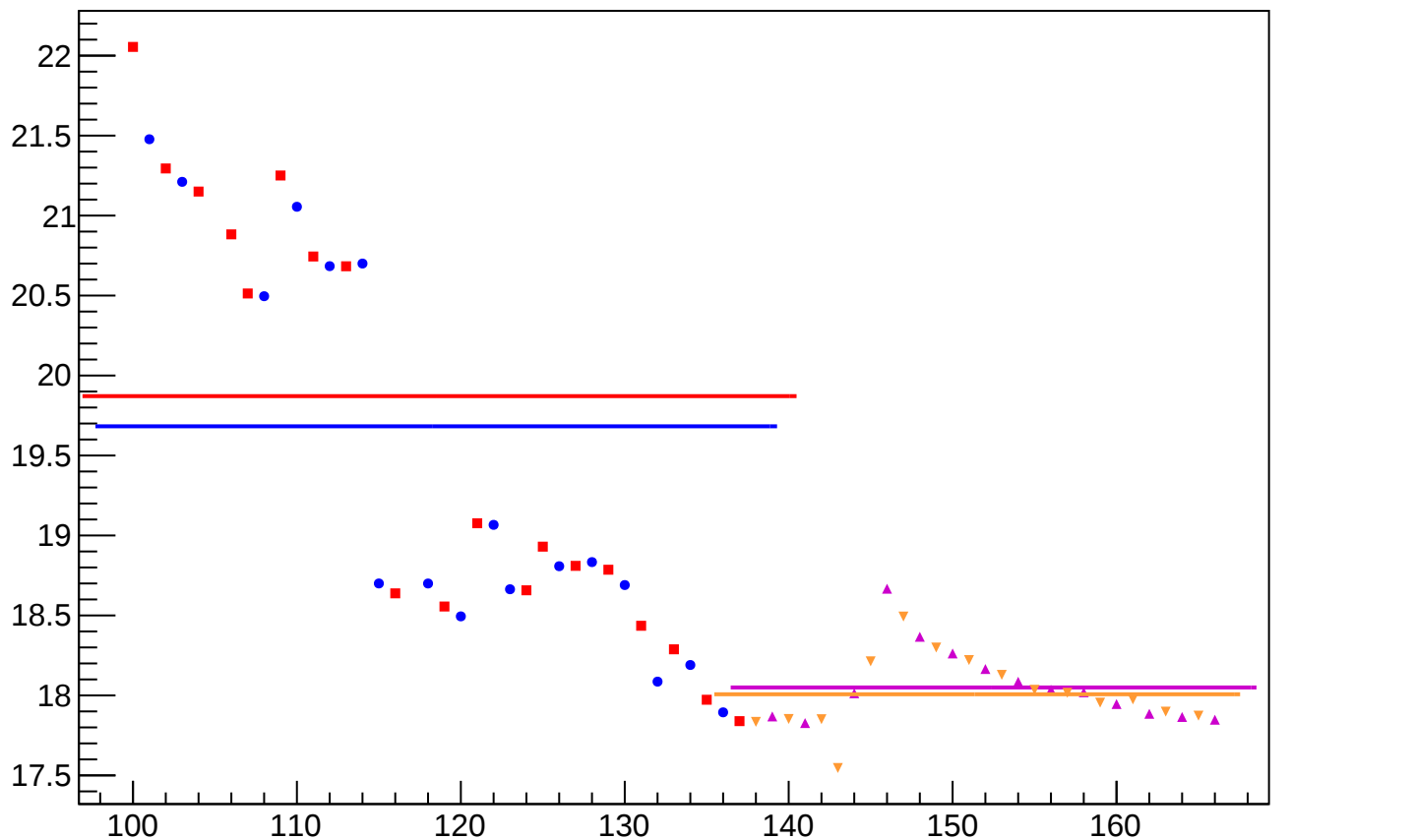
Out: 14.959+/-0.000 χ^2/NDF : 3040836614.2/33

All: 14.964+/-0.000 χ^2/NDF : 5635979066.6/66

yield_sam4_rms vs Slug, Sign Corrected



yield_sam5_mean vs Slug, Sign Corrected



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: 18.050+/-0.000 χ^2/NDF : 398519087.8/13

Left: 18.028+/-0.000 χ^2/NDF : 835172228.3/28

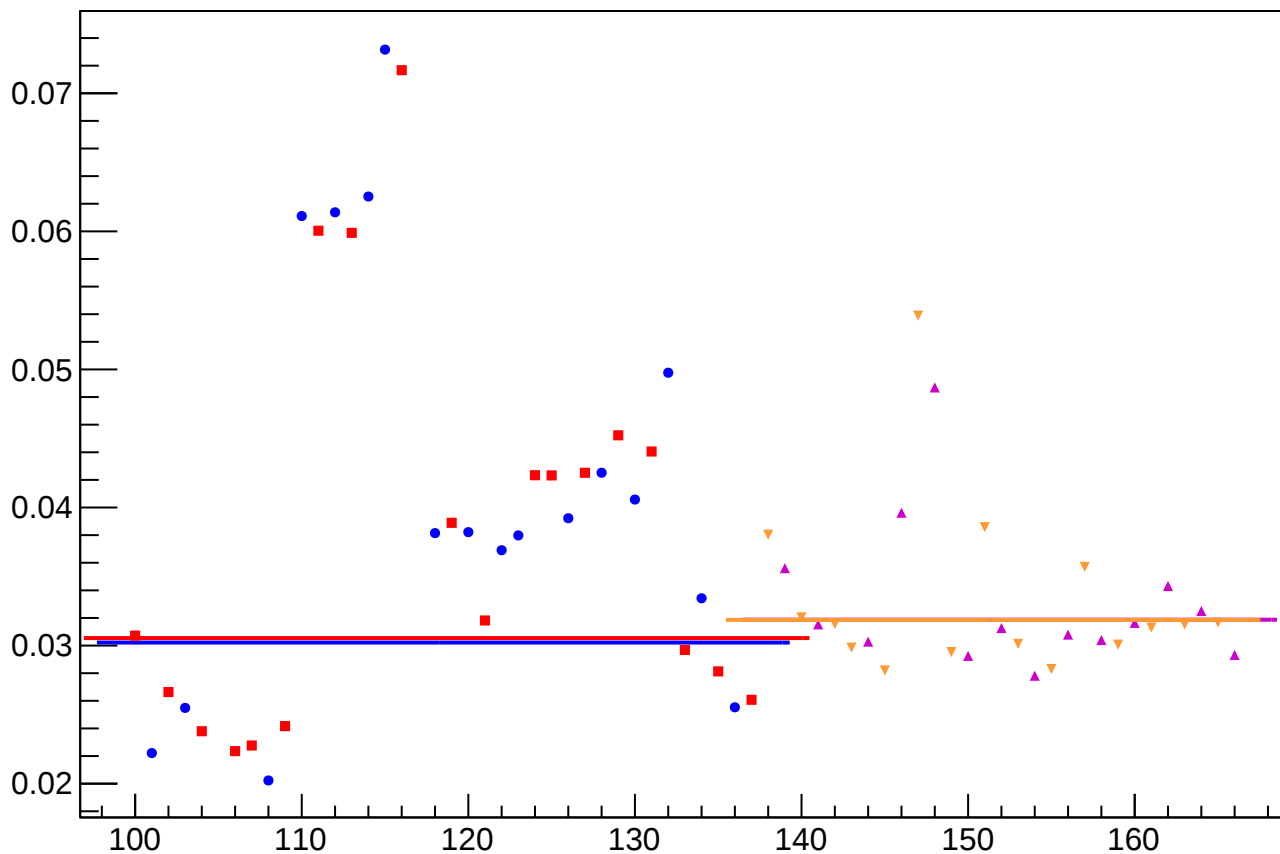
Right: 19.778+/-0.000 χ^2/NDF : 23711776447.8/35

In: 18.664+/-0.000 χ^2/NDF : 22839509252.6/30

Out: 18.716+/-0.000 χ^2/NDF : 25367762184.5/33

All: 18.691+/-0.000 χ^2/NDF : 48229090165.9

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032+/-0.000 χ^2/NDF : 424702.4/14

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

Left In: 0.032+/-0.000 χ^2/NDF : 329930.9/13

Left: 0.032+/-0.000 χ^2/NDF : 754634.7/28

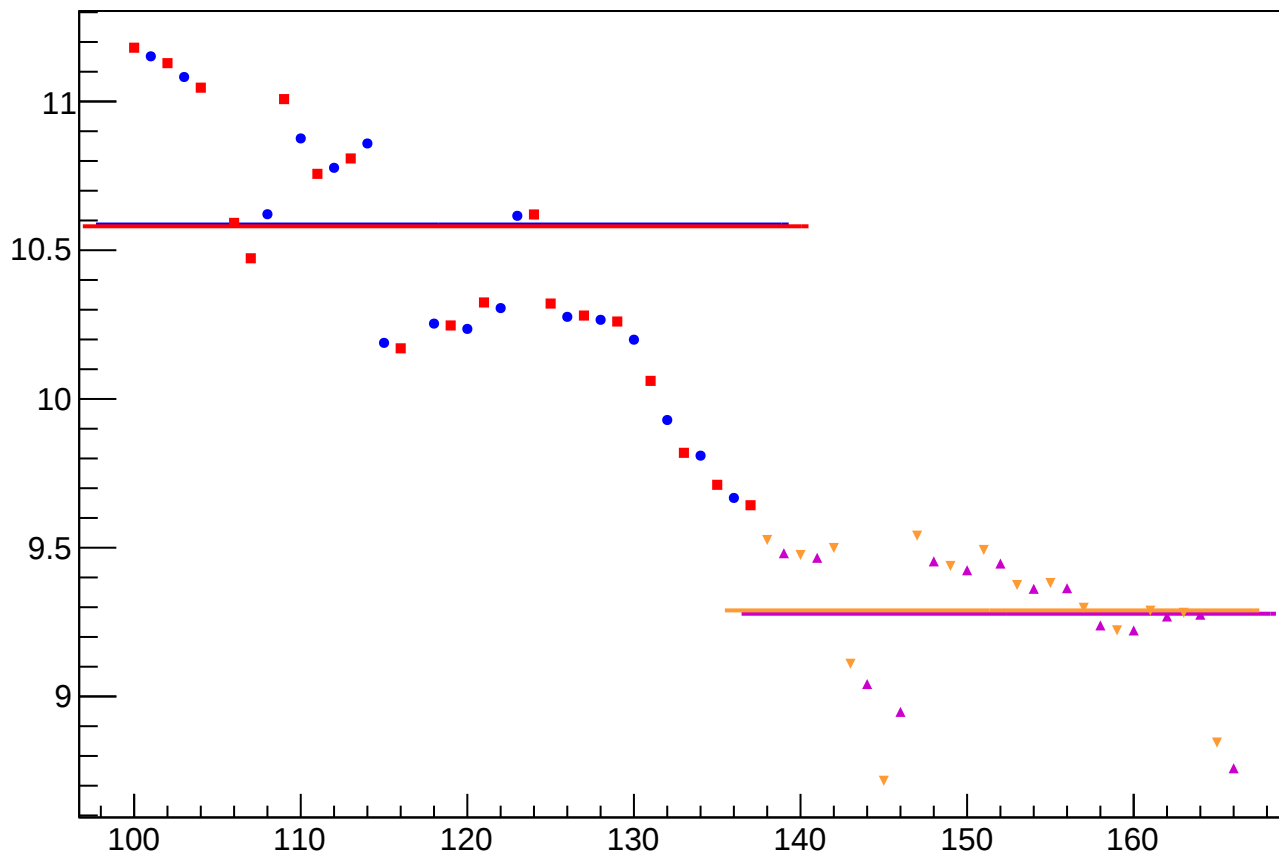
Right: 0.030+/-0.000 χ^2/NDF : 2514909.2/35

In: 0.031+/-0.000 χ^2/NDF : 1675312.3/30

Out: 0.031+/-0.000 χ^2/NDF : 1628037.1/33

All: 0.031+/-0.000 χ^2/NDF : 3303548.7/64

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.289+/-0.000 χ^2/NDF : 1355798824.6/14

Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

Left In: 9.278+/-0.000 χ^2/NDF : 927199457.1/13

Left: 9.284+/-0.000 χ^2/NDF : 2284569886.8/28

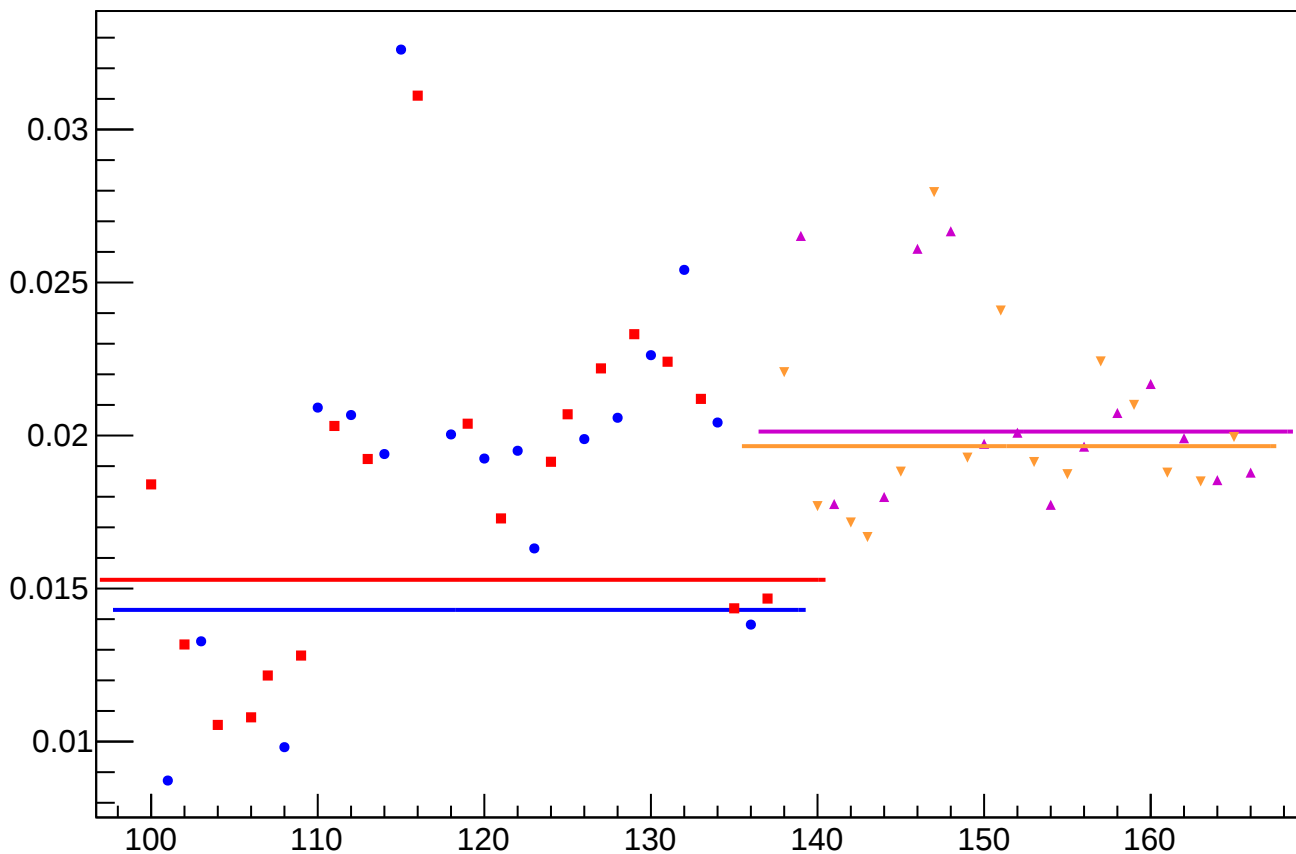
Right: 10.583+/-0.000 χ^2/NDF : 13184410027.5/35

In: 9.954+/-0.000 χ^2/NDF : 29878046389.1/30

Out: 9.925+/-0.000 χ^2/NDF : 28493444582.0/33

All: 9.940+/-0.000 χ^2/NDF : 58392897040.6/66

yield_sam6_rms vs Slug, Sign Corrected



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 :351418.8/13

Left: 0.020 $\pm$ 0.000 χ^2/NDF : 671262.2/28

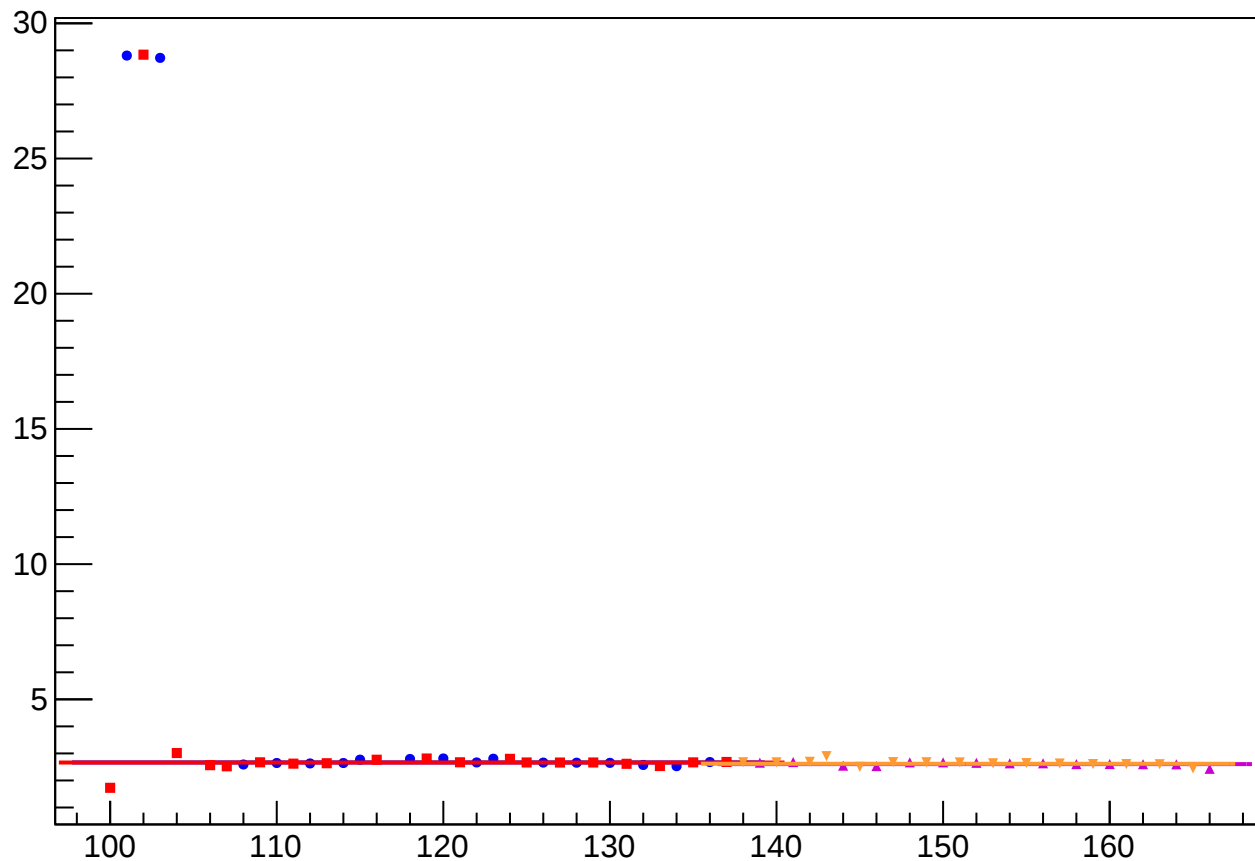
Right: 0.015 $\pm$ 0.000 χ^2/NDF : 2421831.8/35

In: 0.017 $\pm$ 0.000 χ^2/NDF :2613512.1/30

Out: 0.018 $\pm$ 0.000 χ^2/NDF :1792110.7/33

All: 0.017 $\pm$ 0.000 χ^2/NDF : 4413126.2/64

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.618+/-0.000 χ^2/NDF : 16034149676.5/14

Right Out: 2.664+/-0.000 χ^2/NDF : 70398125461.7/18

Left In: 2.605+/-0.000 χ^2/NDF : 7305944455.1/13

Left: 2.612+/-0.000 χ^2/NDF : 23490564777.6/28

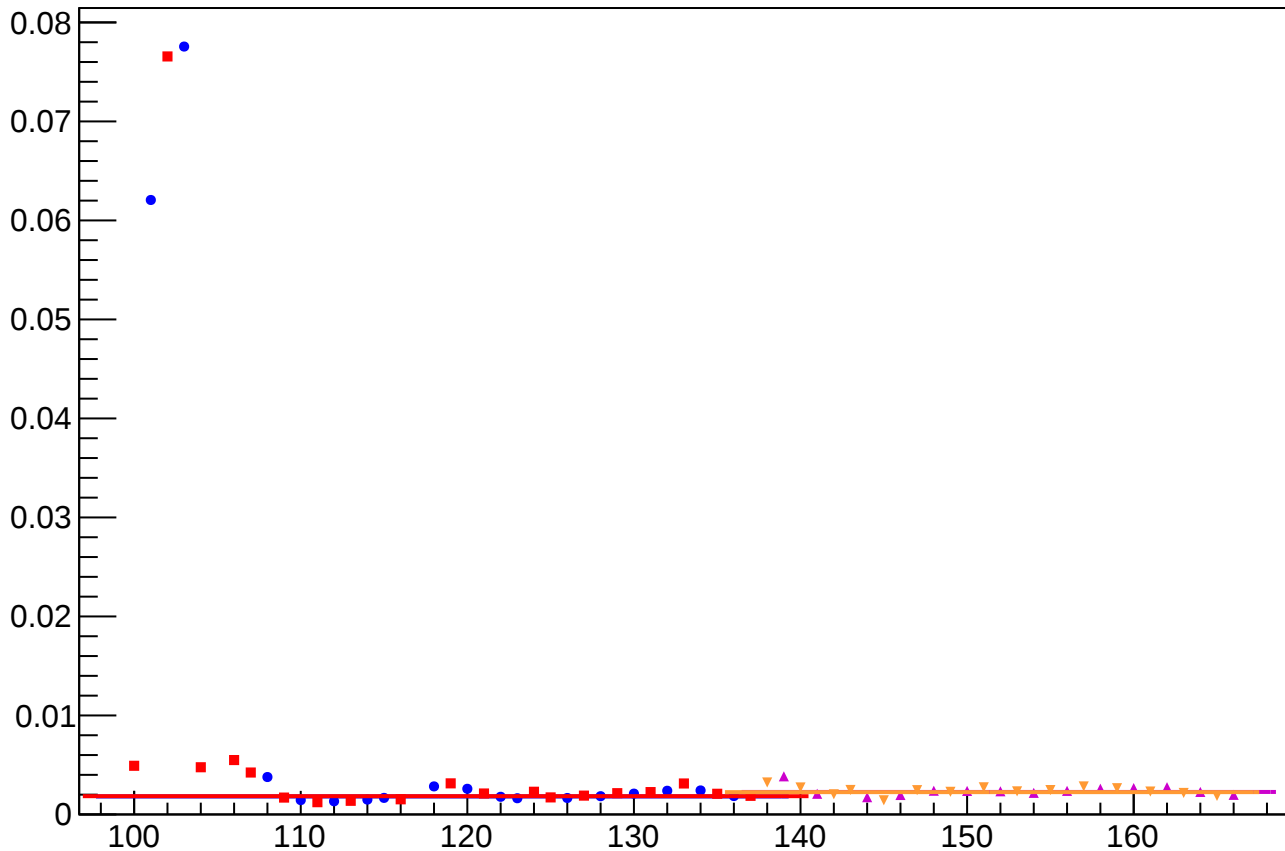
Right: 2.665+/-0.000 χ^2/NDF : 233569925265.6/35

In: 2.632+/-0.000 χ^2/NDF : 173290880839.4/30

Out: 2.638+/-0.000 χ^2/NDF : 88047323448.8/33

All: 2.635+/-0.000 χ^2/NDF : 261404265864.1

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 739988.5/14

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

Left In: 0.002+/-0.000 χ^2/NDF : 521650.7/13

Left: 0.002+/-0.000 χ^2/NDF : 1262211.3/28

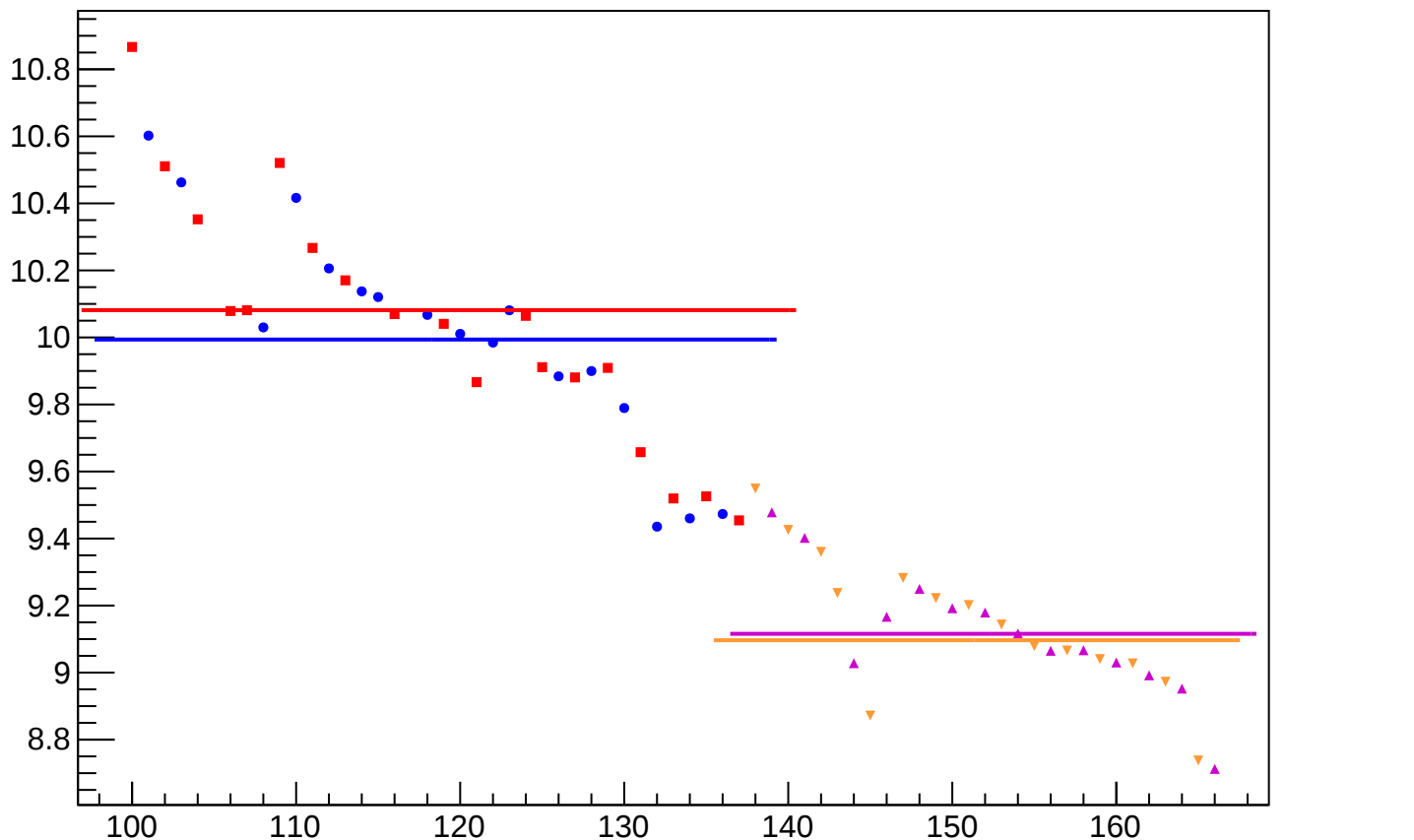
Right: 0.002+/-0.000 χ^2/NDF : 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF : 3495545.3/30

Out: 0.002+/-0.000 χ^2/NDF : 3332472.5/33

All: 0.002+/-0.000 χ^2/NDF : 6828017.8/64

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.097+/-0.000 χ^2/NDF : 7626659008.0/14

Right Out: 10.082+/-0.000 χ^2/NDF : 15502695798.7/18

Left In: 9.116+/-0.000 χ^2/NDF : 4999959045.2/13

Left: 9.106+/-0.000 χ^2/NDF : 12666849291.8/28

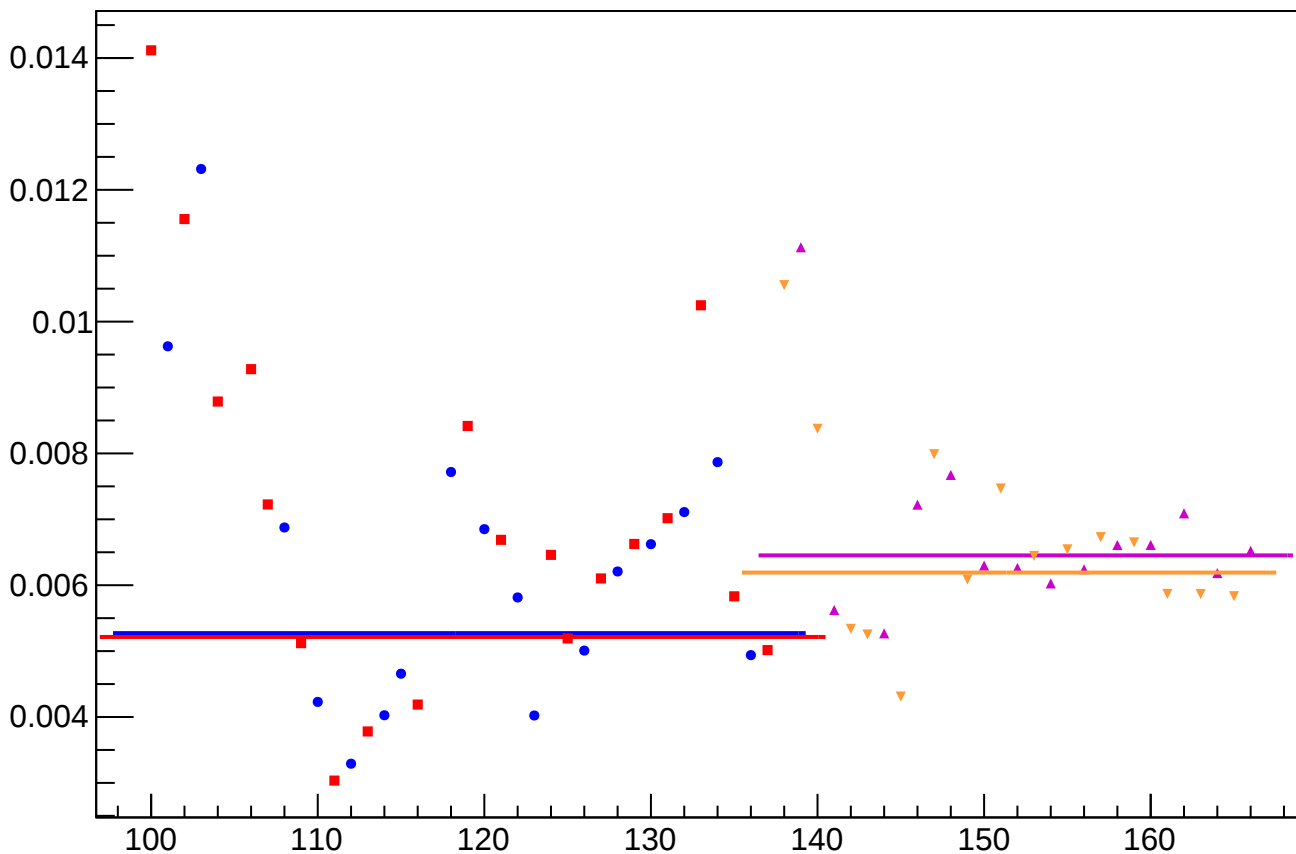
Right: 10.039+/-0.000 χ^2/NDF : 35036056098.5/35

In: 9.522+/-0.000 χ^2/NDF : 98671604104.1/30

Out: 9.546+/-0.000 χ^2/NDF : 124559739837.4/33

All: 9.534+/-0.000 χ^2/NDF : 223342732296.6

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 682360.5/14

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 403729.3/13

Left: 0.006+/-0.000 χ^2/NDF : 1100957.4/28

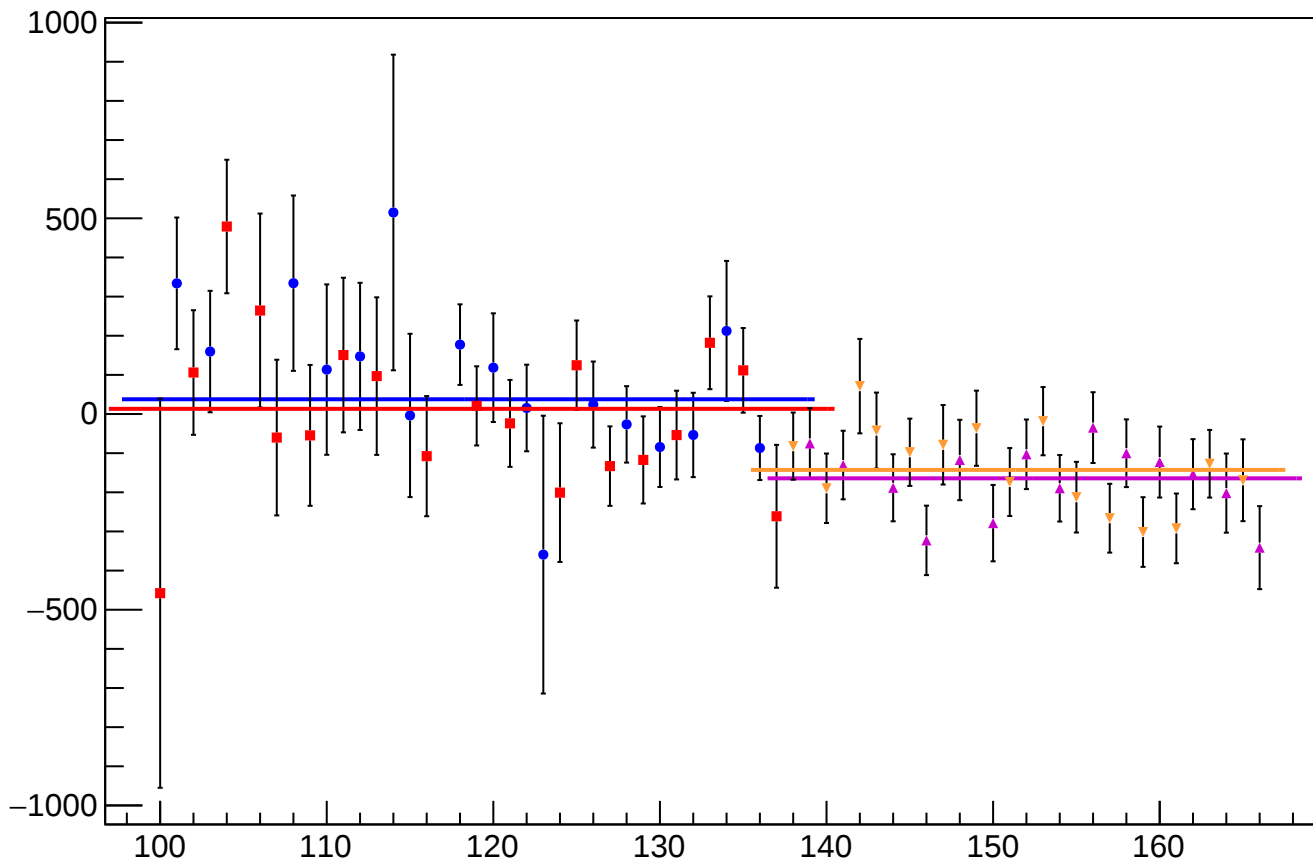
Right: 0.005+/-0.000 χ^2/NDF : 2904141.2/35

In: 0.006+/-0.000 χ^2/NDF : 1919517.6/30

Out: 0.006+/-0.000 χ^2/NDF : 2540001.0/33

All: 0.006+/-0.000 χ^2/NDF : 4469892.5/64

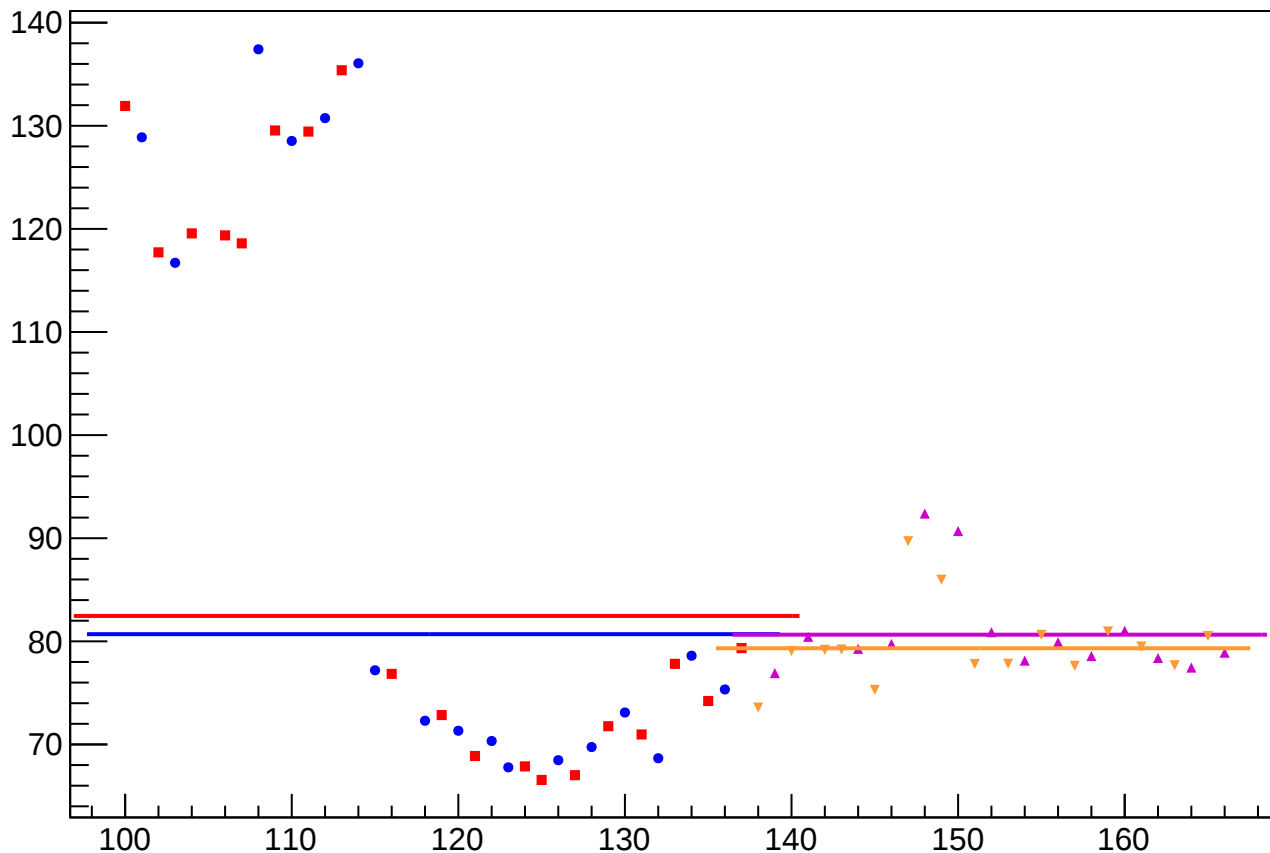
reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$
Left Out: -142.714 ± 23.753 $\chi^2/\text{NDF}: 17.7/14$
Right Out: 13.278 ± 32.066 $\chi^2/\text{NDF}: 22.7/18$
Left In: -164.312 ± 24.470 $\chi^2/\text{NDF}: 12.3/13$

Left: -153.192 ± 17.044 $\chi^2/\text{NDF}: 30.4/28$
Right: 25.415 ± 22.740 $\chi^2/\text{NDF}: 39.7/35$
In: -90.516 ± 19.494 $\chi^2/\text{NDF}: 53.9/30$
Out: -87.445 ± 19.087 $\chi^2/\text{NDF}: 55.7/33$
All: -88.948 ± 13.638 $\chi^2/\text{NDF}: 109.6/64$

reg_asym_sam1_rms vs Slug, Sign Corrected



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: 80.646 $\pm$ 0.017 χ^2 /NDF: 58419.3/13

Left: 79.967 $\pm$ 0.012 χ^2 /NDF: 109398.2/28

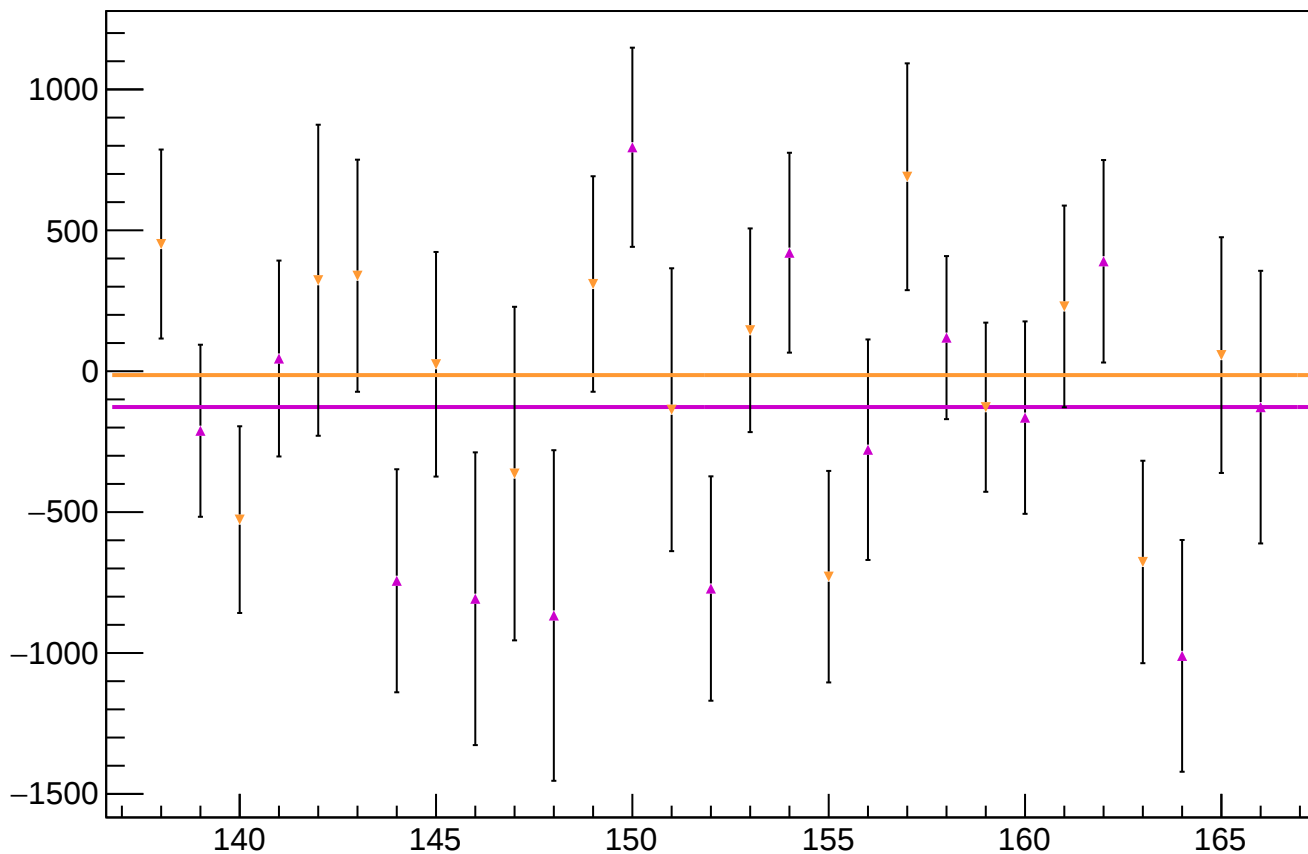
Right: 81.584 $\pm$ 0.016 χ^2 /NDF: 1731931.3/35

In: 80.663 $\pm$ 0.014 χ^2 /NDF: 872448.5/30

Out: 80.439 $\pm$ 0.013 χ^2 /NDF: 975220.5/33

All: 80.549 $\pm$ 0.010 χ^2 /NDF: 1847804.9/64

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -13.765+/-99.780 χ^2/NDF :17.5/14

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

Left In: -127.102+/-100.372 χ^2/NDF :25.4/13

Left: -70.099+/-70.764 χ^2/NDF : 43.6/28

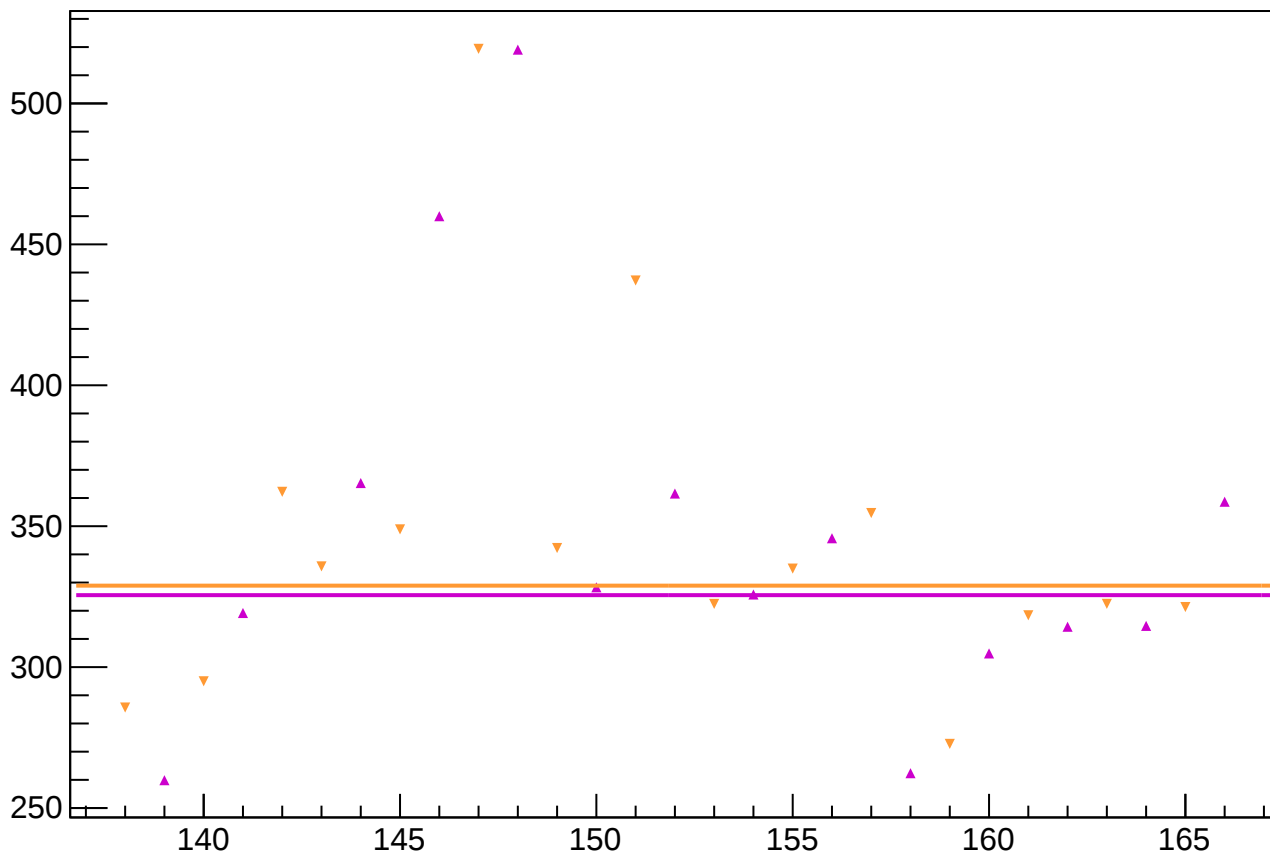
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -127.102+/-100.372 χ^2/NDF :25.4/13

Out: -13.765+/-99.780 χ^2/NDF :17.5/14

All: -70.099+/-70.764 χ^2/NDF : 43.6/28

asym_sam1_correction_rms vs Slug, Sign Corrected



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: 325.536+/-0.071 χ^2/NDF : 602432.5/13

Left: 327.233+/-0.050 χ^2/NDF : 1055655.0/28

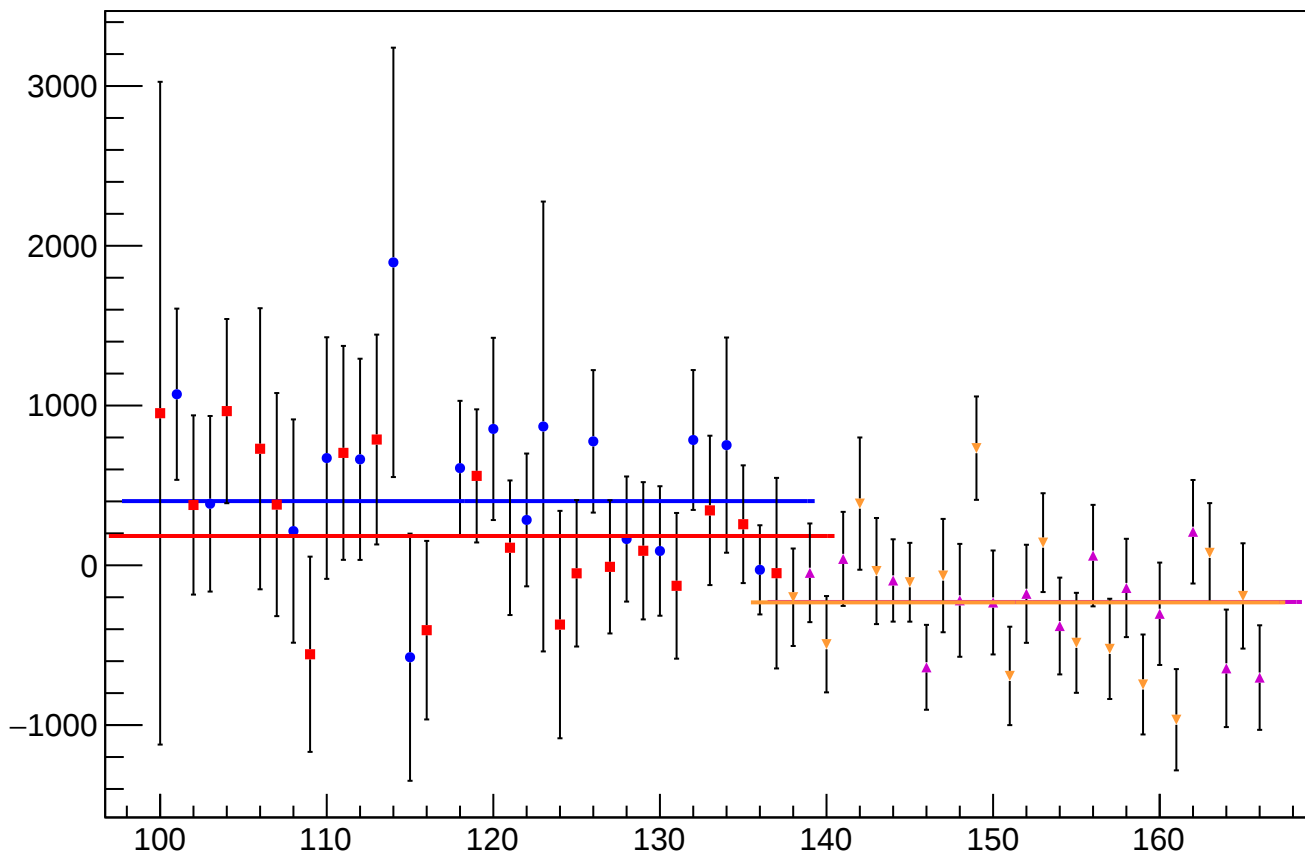
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 325.536+/-0.071 χ^2/NDF : 602432.5/13

Out: 328.909+/-0.071 χ^2/NDF : 452086.1/14

All: 327.233+/-0.050 χ^2/NDF : 1055655.0/28

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 ± 121.048 $\chi^2/\text{NDF}: 10.9/16$

Left Out: -232.105 ± 81.208 $\chi^2/\text{NDF}: 27.0/14$

Right Out: 183.481 ± 120.338 $\chi^2/\text{NDF}: 9.3/18$

Left In: -229.554 ± 82.567 $\chi^2/\text{NDF}: 10.3/13$

Left: -230.851 ± 57.897 $\chi^2/\text{NDF}: 37.3/28$

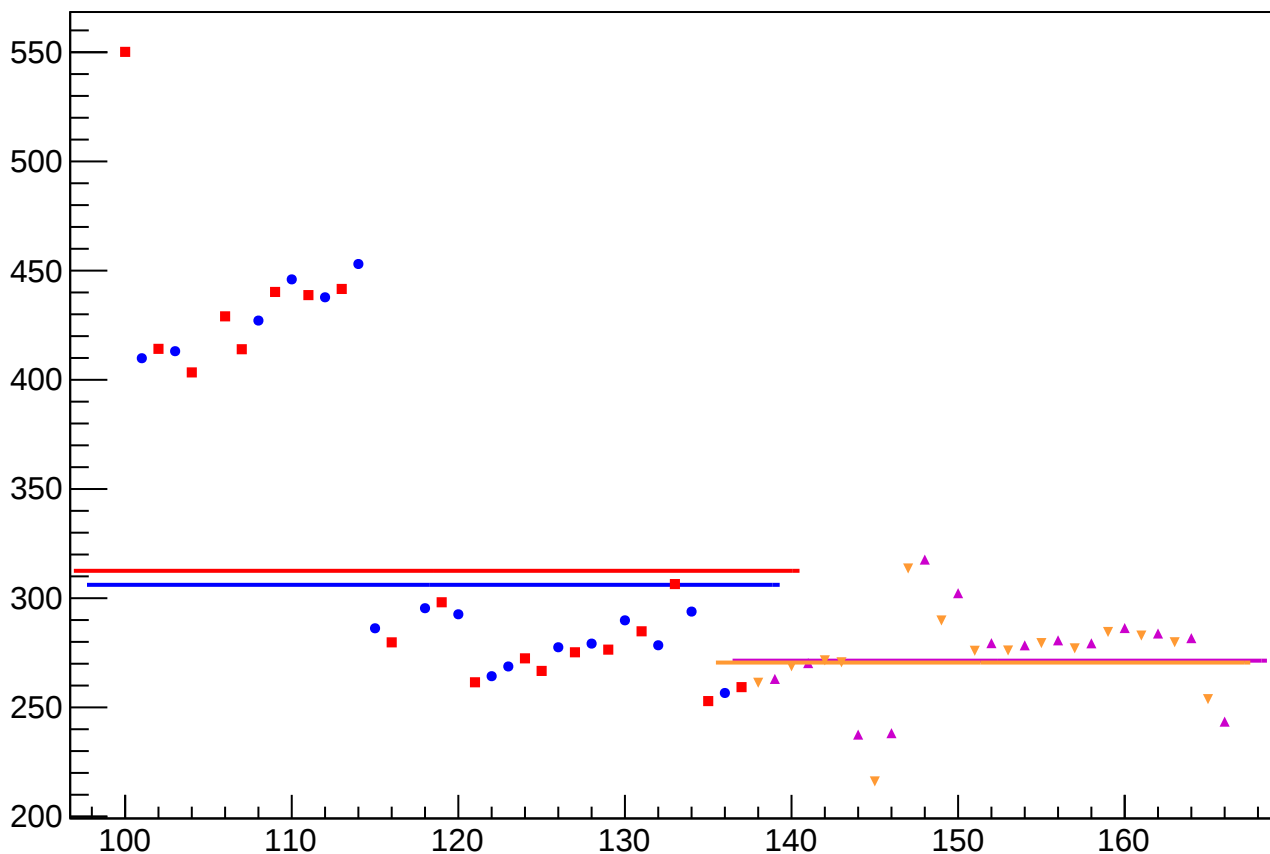
Right: 292.034 ± 85.342 $\chi^2/\text{NDF}: 21.9/35$

In: -29.058 ± 68.210 $\chi^2/\text{NDF}: 39.7/30$

Out: -102.067 ± 67.314 $\chi^2/\text{NDF}: 44.5/33$

All: -66.045 ± 47.912 $\chi^2/\text{NDF}: 84.9/64$

reg_asym_sam2_rms vs Slug, Sign Corrected



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: 271.400+/-0.058 χ^2/NDF : 148509.2/13

Left: 270.960+/-0.041 χ^2/NDF : 302230.4/28

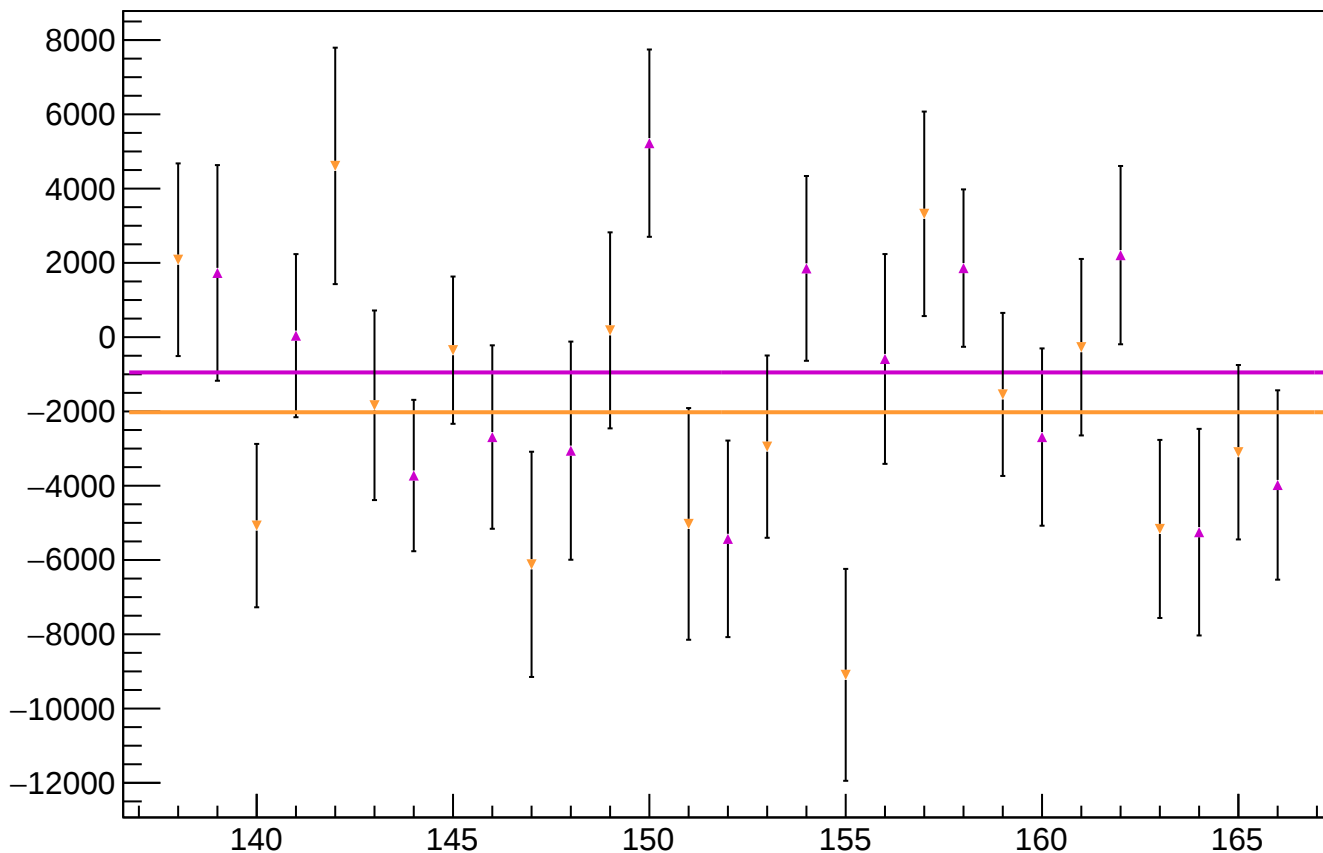
Right: 309.352+/-0.060 χ^2/NDF : 1137034.2/35

In: 282.426+/-0.048 χ^2/NDF : 769264.3/30

Out: 283.678+/-0.048 χ^2/NDF : 946843.7/33

All: 283.060+/-0.034 χ^2/NDF : 1716449.8/64

asym_sam2_correction_mean vs Slug, Sign Corrected



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: -949.592+/-661.047 χ^2/NDF :21.9/13

Left: -1495.823+/-462.932 χ^2/NDF : 48.7/28

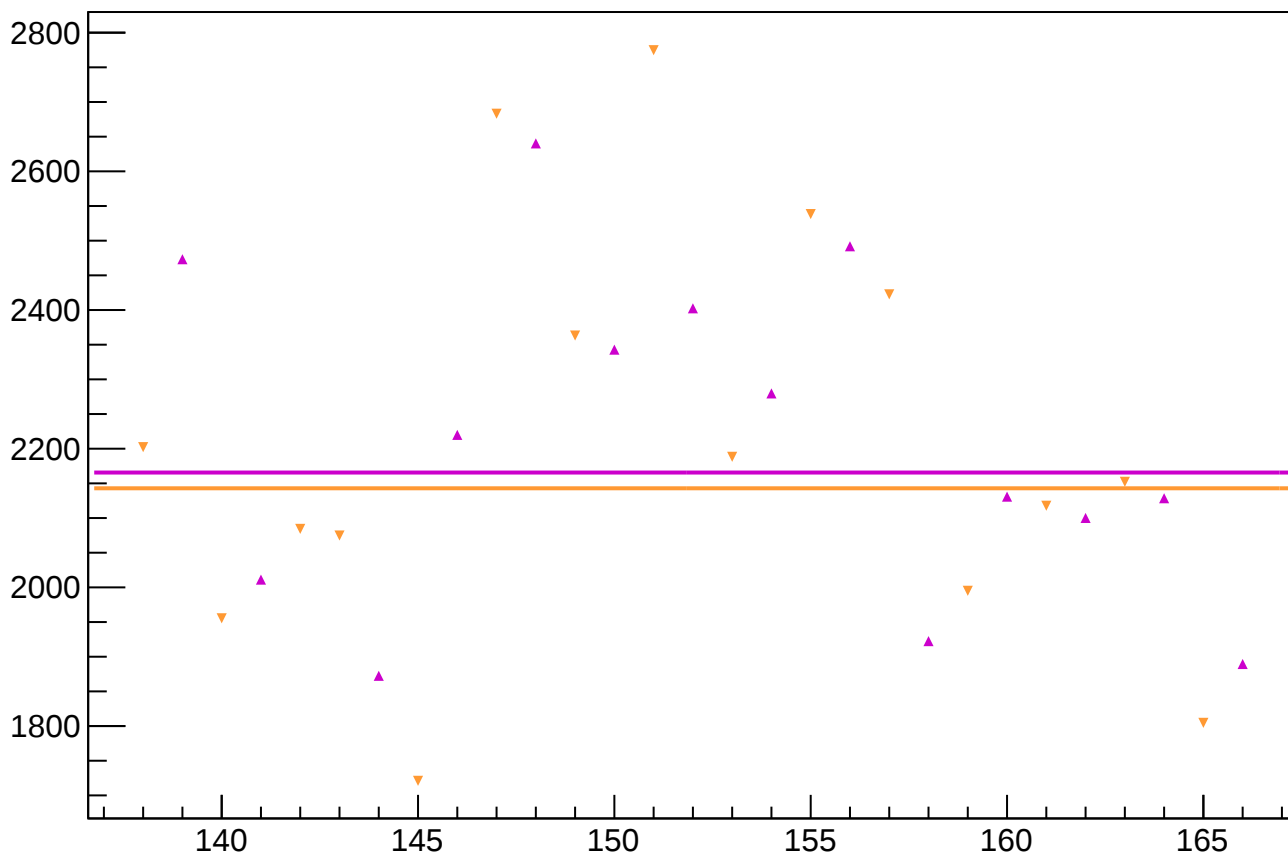
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -949.592+/-661.047 χ^2/NDF :21.9/13

Out: -2021.521+/-648.503 χ^2/NDF :25.5/14

All: -1495.823+/-462.932 χ^2/NDF : 48.7/28

asym_sam2_correction_rms vs Slug, Sign Corrected



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: 2165.617+/-0.467 χ^2/NDF :235790.9/13

Left: 2154.041+/-0.327 χ^2/NDF : 615258.4/28

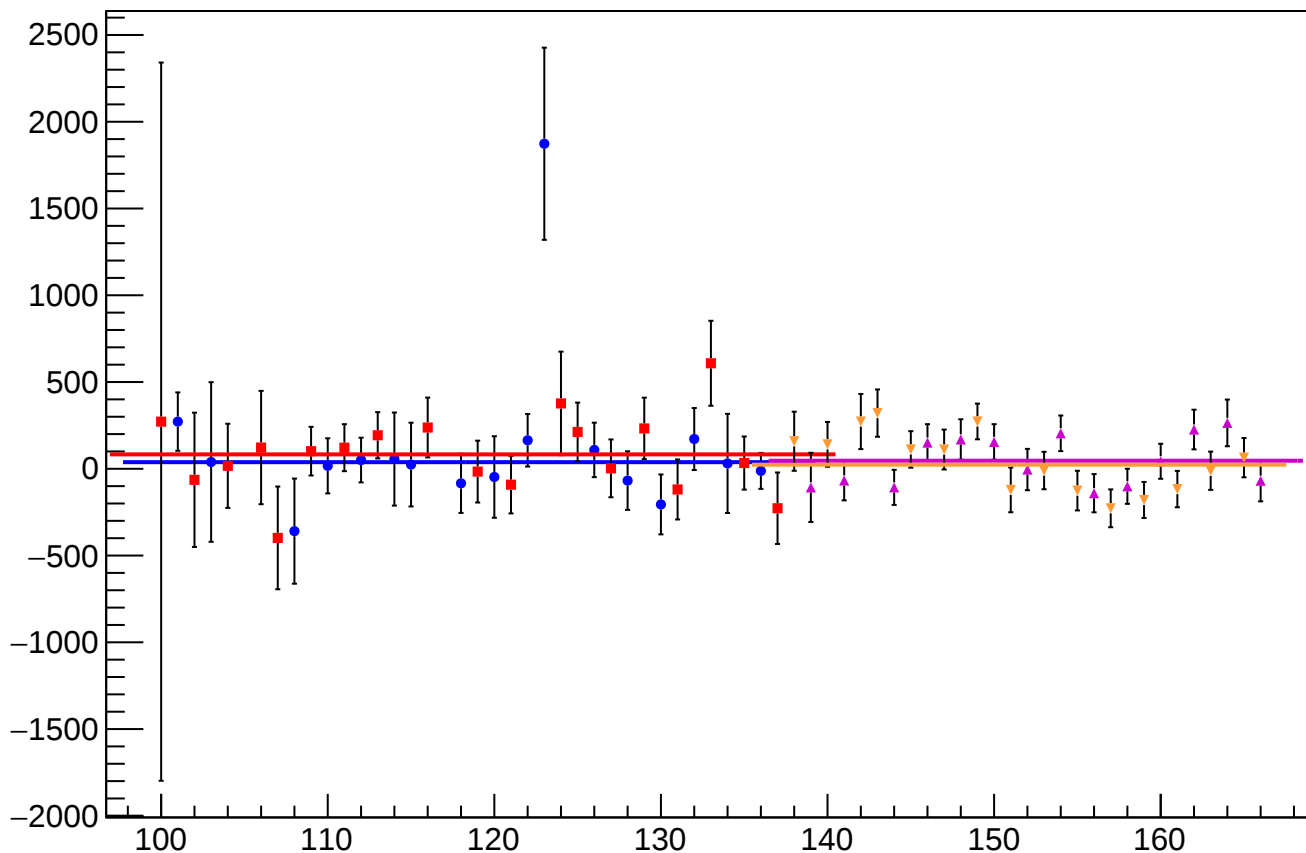
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2165.617+/-0.467 χ^2/NDF :235790.9/13

Out: 2142.899+/-0.459 χ^2/NDF :378263.8/14

All: 2154.041+/-0.327 χ^2/NDF : 615258.4/28

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 $\pm$ 43.548 χ^2 /NDF: 19.4/16

Left Out: 23.712 $\pm$ 30.167 χ^2 /NDF:30.0/14

Right Out: 83.101 $\pm$ 43.098 χ^2 /NDF: 16.7/18

Left In: 46.434 $\pm$ 30.095 χ^2 /NDF:20.7/13

Left: 35.100 $\pm$ 21.306 χ^2 /NDF: 51.0/28

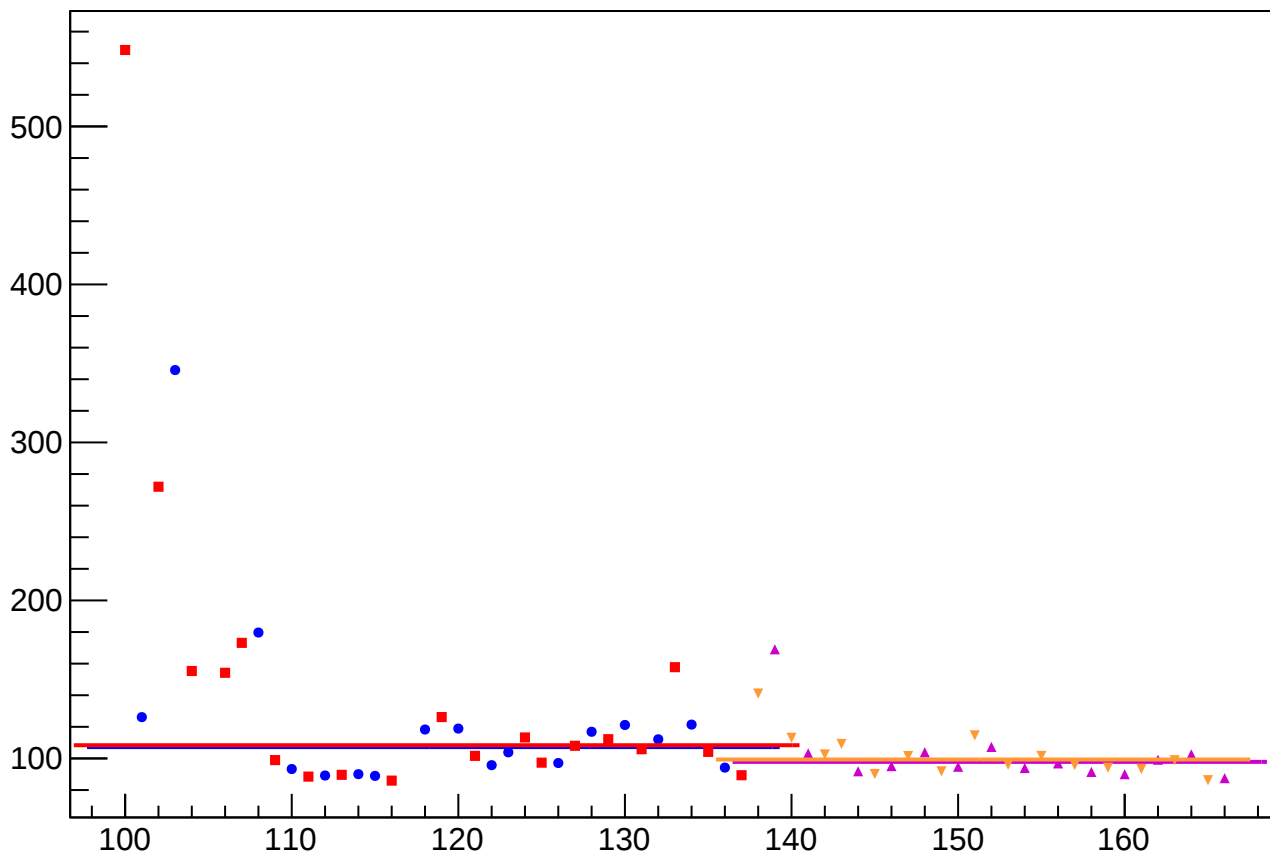
Right: 60.847 $\pm$ 30.633 χ^2 /NDF: 36.7/35

In: 43.749 $\pm$ 24.758 χ^2 /NDF:40.1/30

Out: 43.241 $\pm$ 24.714 χ^2 /NDF:48.1/33

All: 43.495 $\pm$ 17.491 χ^2 /NDF: 88.2/64

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 ± 0.031 $\chi^2/\text{NDF}: 843115.1/16$

Left Out: 99.318 ± 0.021 $\chi^2/\text{NDF}: 251370.8/14$

Right Out: 108.359 ± 0.030 $\chi^2/\text{NDF}: 917287.7/18$

Left In: 97.830 ± 0.021 $\chi^2/\text{NDF}: 328864.3/13$

Left: 98.572 ± 0.015 $\chi^2/\text{NDF}: 582675.5/28$

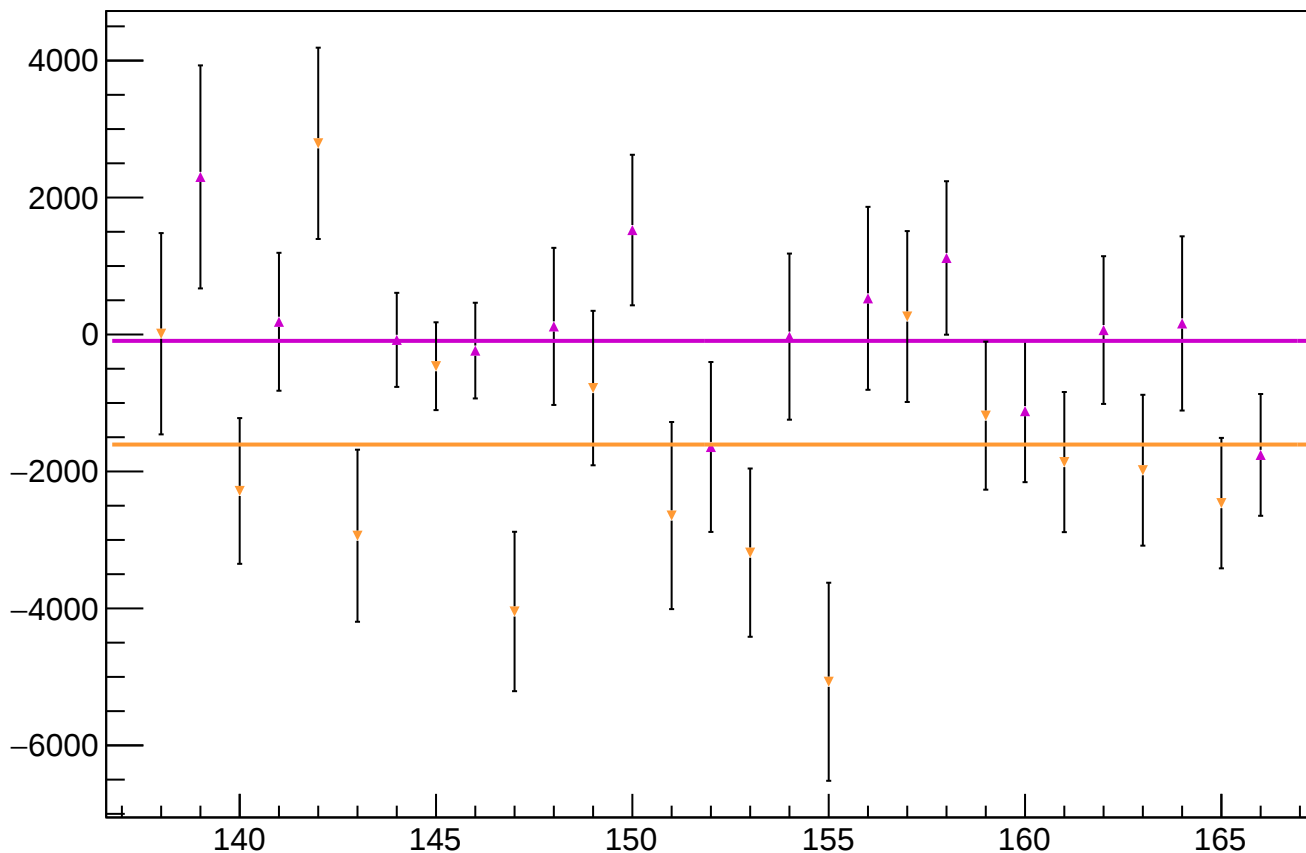
Right: 107.780 ± 0.022 $\chi^2/\text{NDF}: 1761132.0/35$

In: 100.855 ± 0.018 $\chi^2/\text{NDF}: 1234498.0/30$

Out: 102.291 ± 0.017 $\chi^2/\text{NDF}: 1227723.7/33$

All: 101.574 ± 0.012 $\chi^2/\text{NDF}: 2465592.8/64$

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1606.889+/-282.781 χ^2/NDF :32.1/14

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

Left In: -92.988+/-272.408 χ^2/NDF :12.0/13

Left: -821.665+/-196.186 χ^2/NDF : 58.9/28

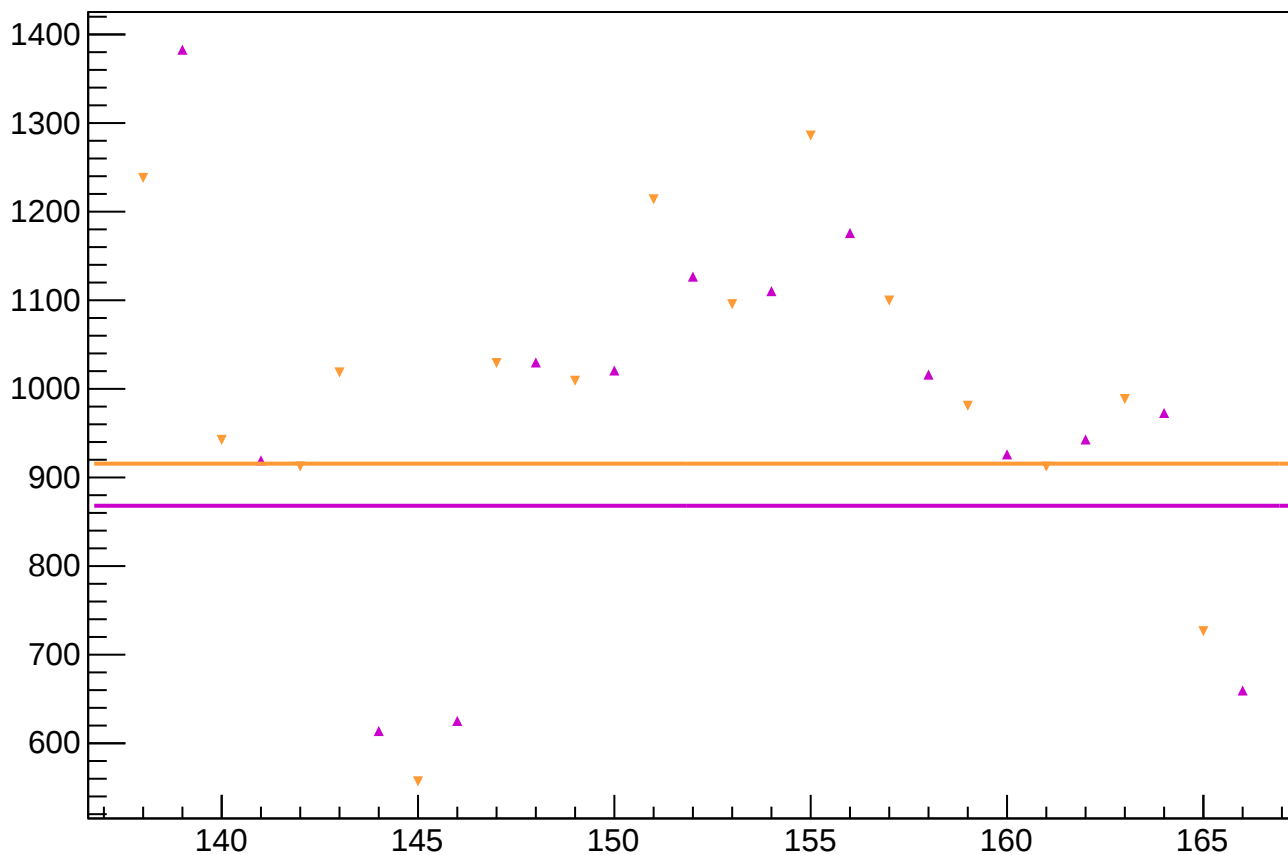
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -92.988+/-272.408 χ^2/NDF :12.0/13

Out: -1606.889+/-282.781 χ^2/NDF :32.1/14

All: -821.665+/-196.186 χ^2/NDF : 58.9/28

asym_sam3_correction_rms vs Slug, Sign Corrected



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: 868.088+/-0.193 χ^2/NDF :1245983.1/13

Left: 890.954+/-0.139 χ^2/NDF : 2452502.7/28

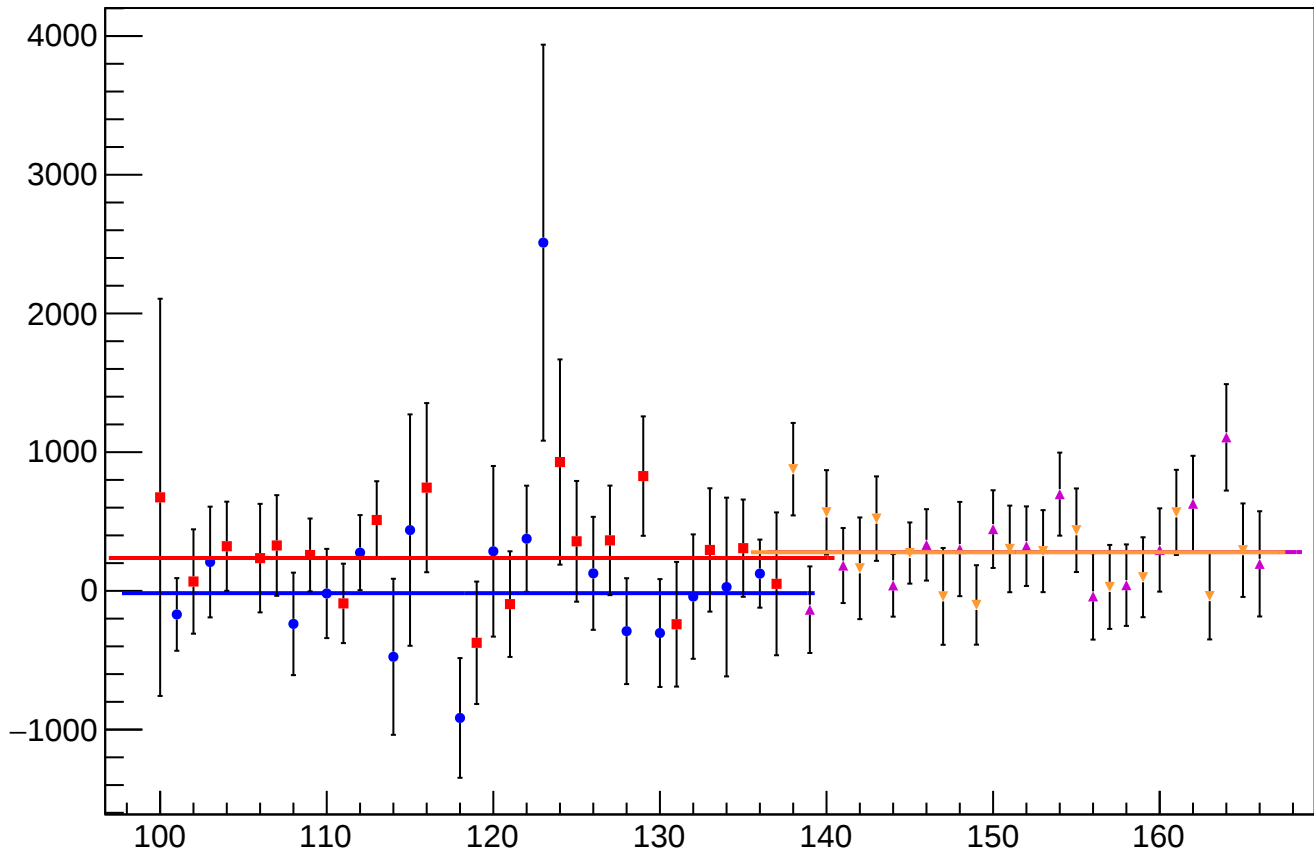
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 868.088+/-0.193 χ^2/NDF :1245983.1/13

Out: 915.595+/-0.200 χ^2/NDF :1177241.4/14

All: 890.954+/-0.139 χ^2/NDF : 2452502.7/28

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 278.682 ± 78.012 $\chi^2/\text{NDF}: 10.7/14$

Right Out: 236.984 ± 88.937 $\chi^2/\text{NDF}: 10.3/18$

Left In: 279.837 ± 79.418 $\chi^2/\text{NDF}: 12.8/13$

Left: 279.249 ± 55.653 $\chi^2/\text{NDF}: 23.5/28$

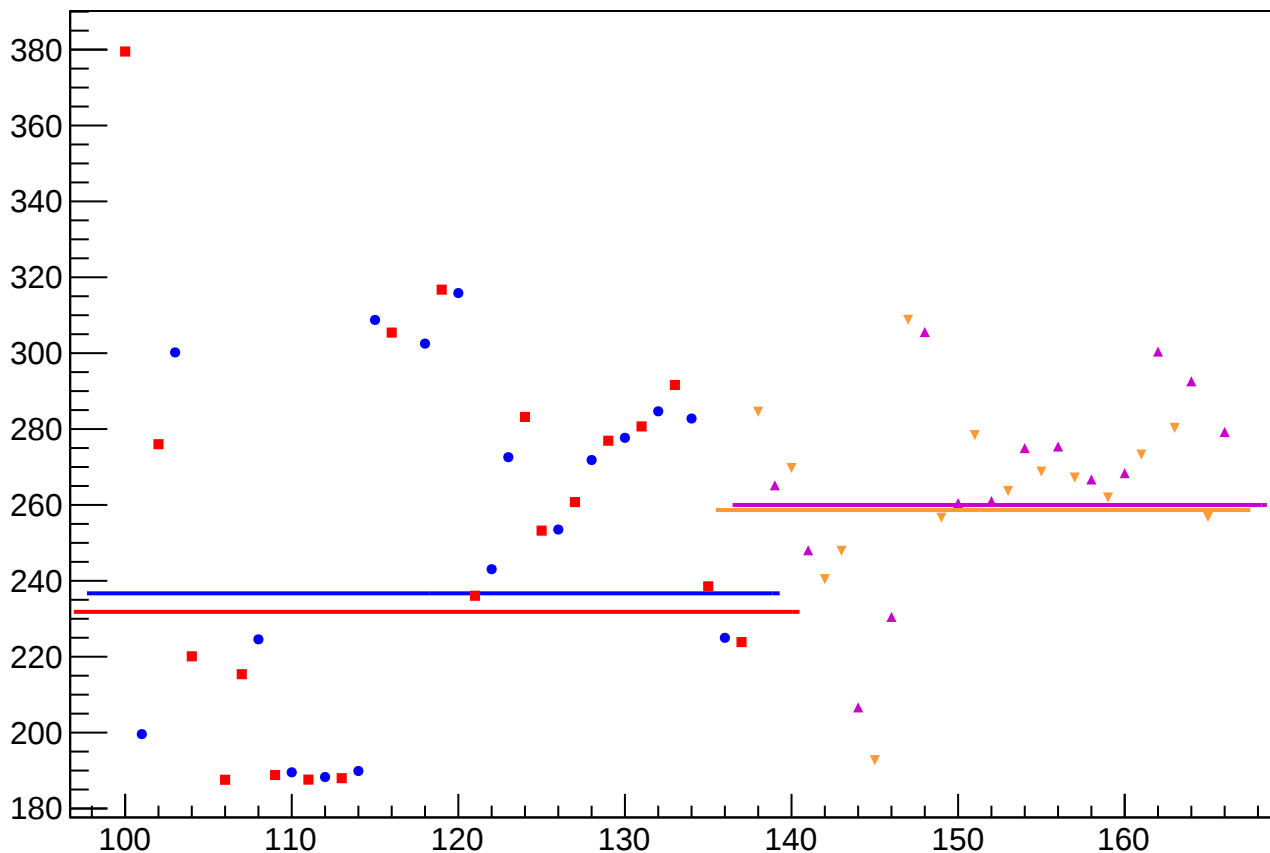
Right: 116.305 ± 64.370 $\chi^2/\text{NDF}: 27.6/35$

In: 155.325 ± 60.472 $\chi^2/\text{NDF}: 32.1/30$

Out: 260.550 ± 58.647 $\chi^2/\text{NDF}: 21.2/33$

All: 209.549 ± 42.100 $\chi^2/\text{NDF}: 54.8/64$

reg_asym_sam4_rms vs Slug, Sign Corrected



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: 259.995 $\pm$ 0.056 χ^2 /NDF: 238249.6/13

Left: 259.313 $\pm$ 0.039 χ^2 /NDF: 507617.6/28

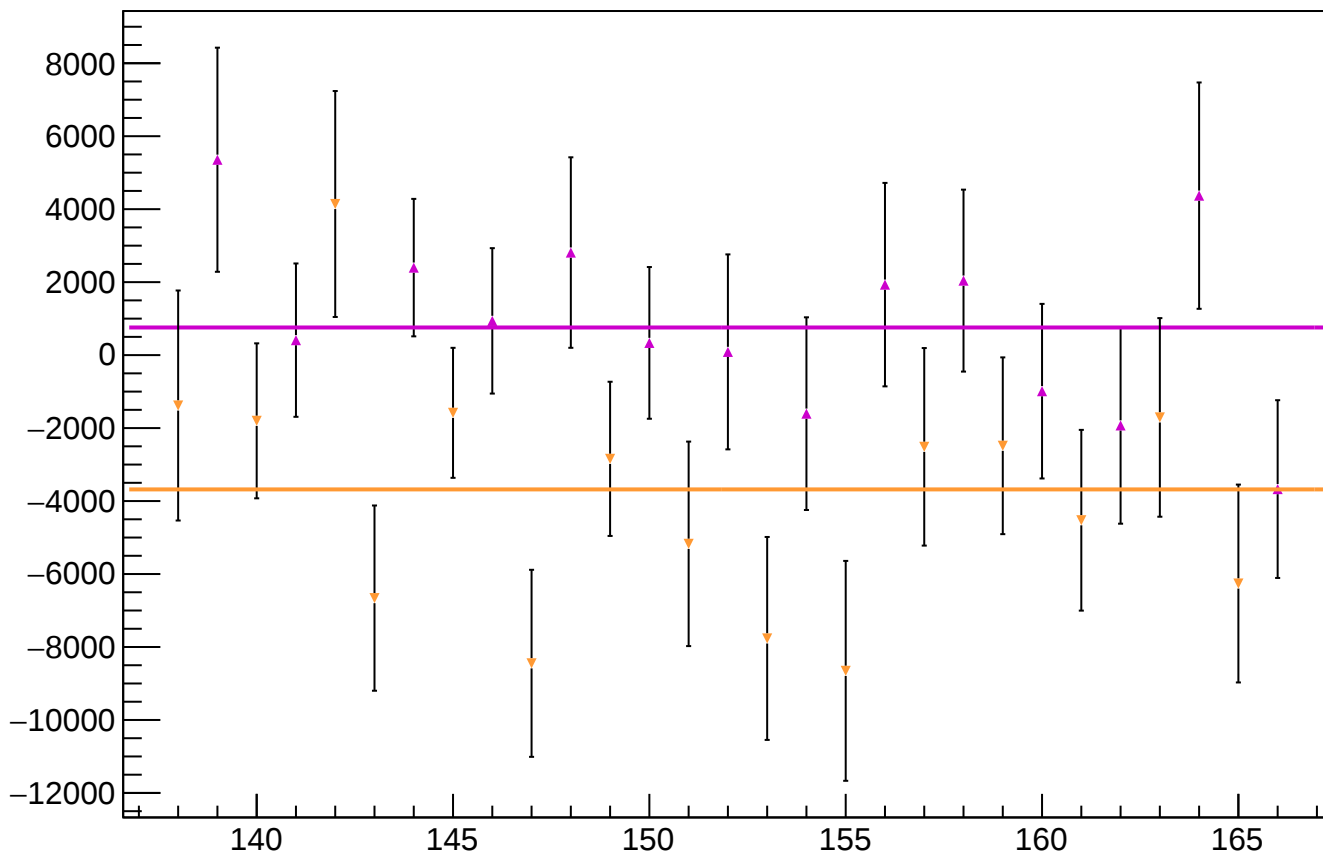
Right: 234.151 $\pm$ 0.046 χ^2 /NDF: 836486.0/35

In: 250.208 $\pm$ 0.043 χ^2 /NDF: 700863.2/30

Out: 246.990 $\pm$ 0.041 χ^2 /NDF: 815199.7/33

All: 248.550 $\pm$ 0.030 χ^2 /NDF: 1518982.0/64

asym_sam4_correction_mean vs Slug, Sign Corrected



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: 757.255+/-645.220 χ^2/NDF :11.2/13

Left: -1451.799+/-457.262 χ^2/NDF : 56.0/28

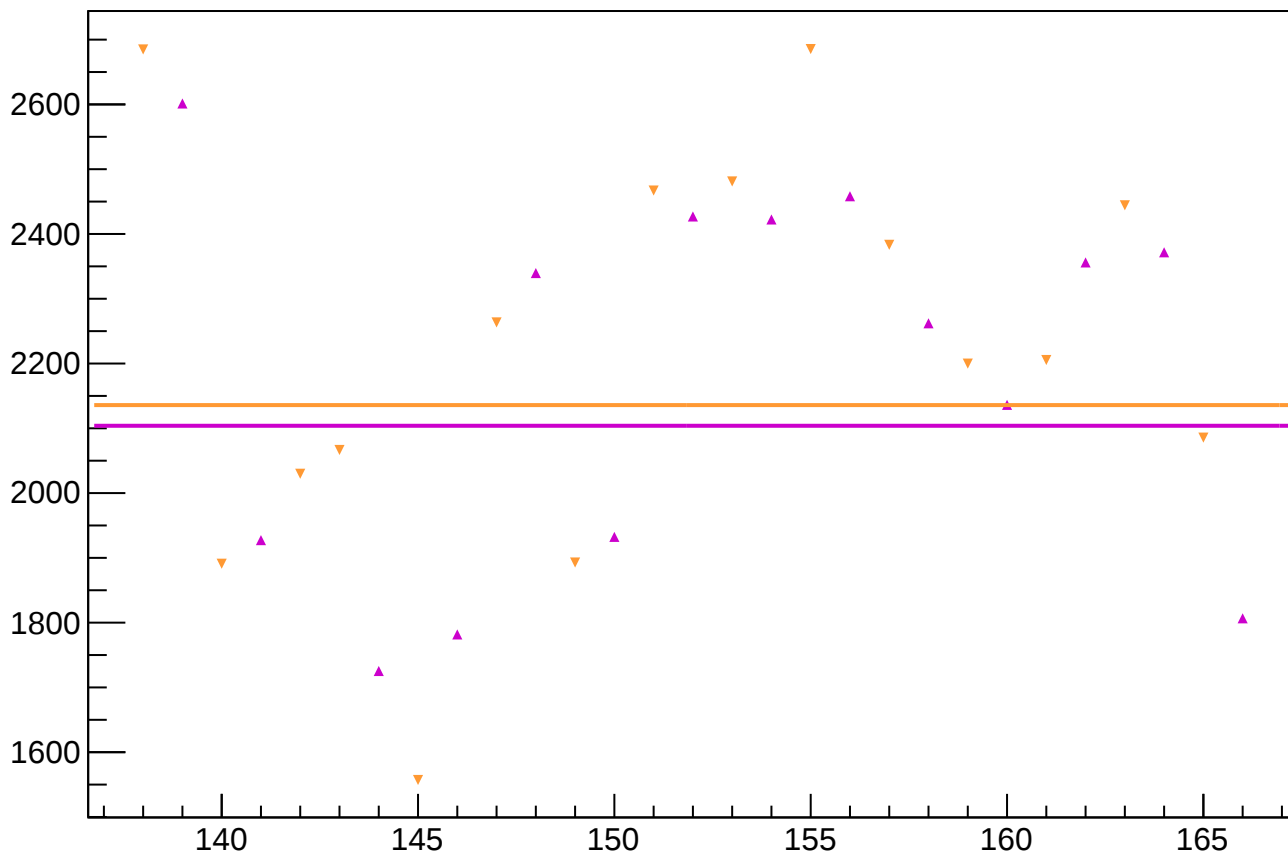
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 757.255+/-645.220 χ^2/NDF :11.2/13

Out: -3680.764+/-648.121 χ^2/NDF :21.2/14

All: -1451.799+/-457.262 χ^2/NDF : 56.0/28

asym_sam4_correction_rms vs Slug, Sign Corrected



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: 2103.925+/-0.456 χ^2/NDF :390799.8/13

Left: 2119.808+/-0.323 χ^2/NDF : 898119.4/28

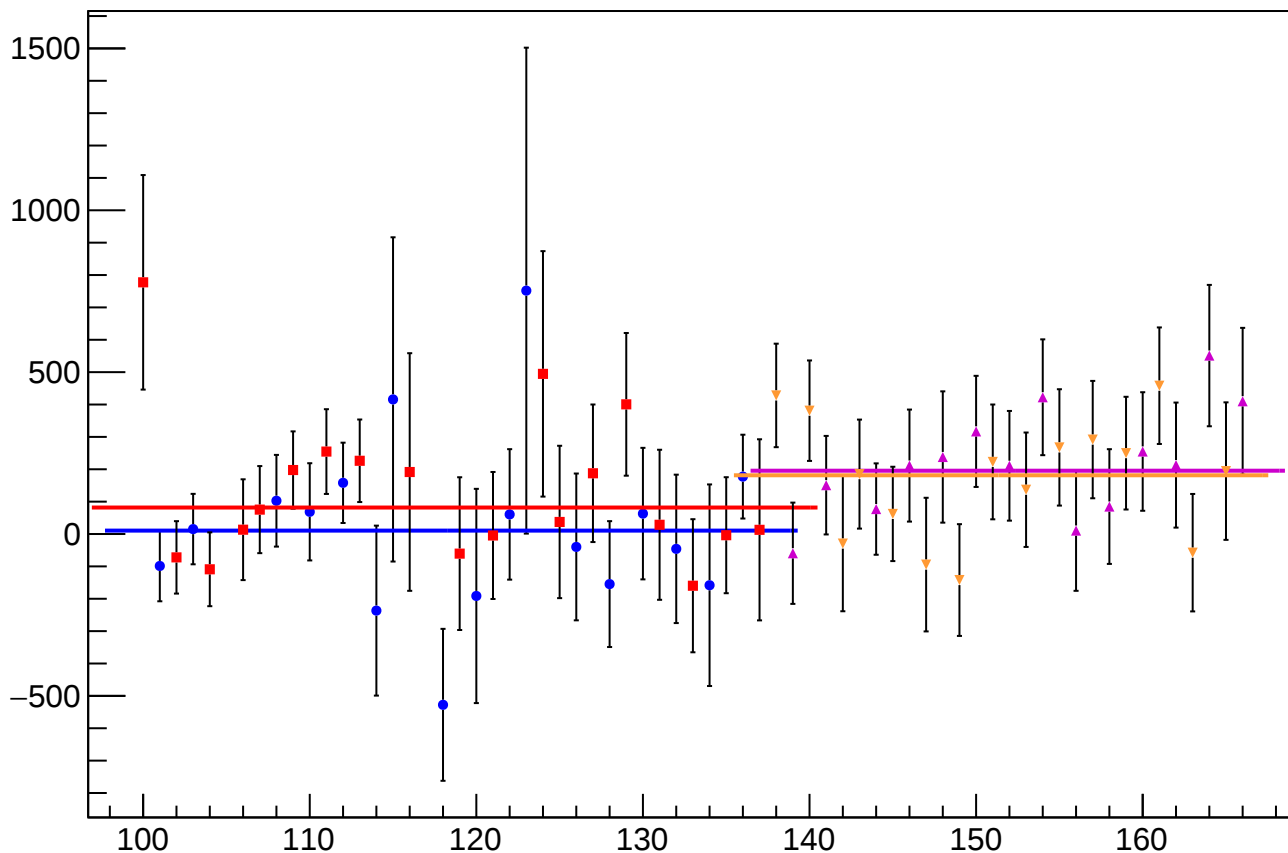
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2103.925+/-0.456 χ^2/NDF :390799.8/13

Out: 2135.835+/-0.458 χ^2/NDF :504884.6/14

All: 2119.808+/-0.323 χ^2/NDF : 898119.4/28

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2 /NDF: 14.1/16

Left Out: 181.447 $\pm$ 45.427 χ^2 /NDF:16.0/14

Right Out: 81.802 $\pm$ 38.985 χ^2 /NDF: 19.2/18

Left In: 195.573 $\pm$ 47.151 χ^2 /NDF:10.7/13

Left: 188.247 $\pm$ 32.714 χ^2 /NDF: 26.7/28

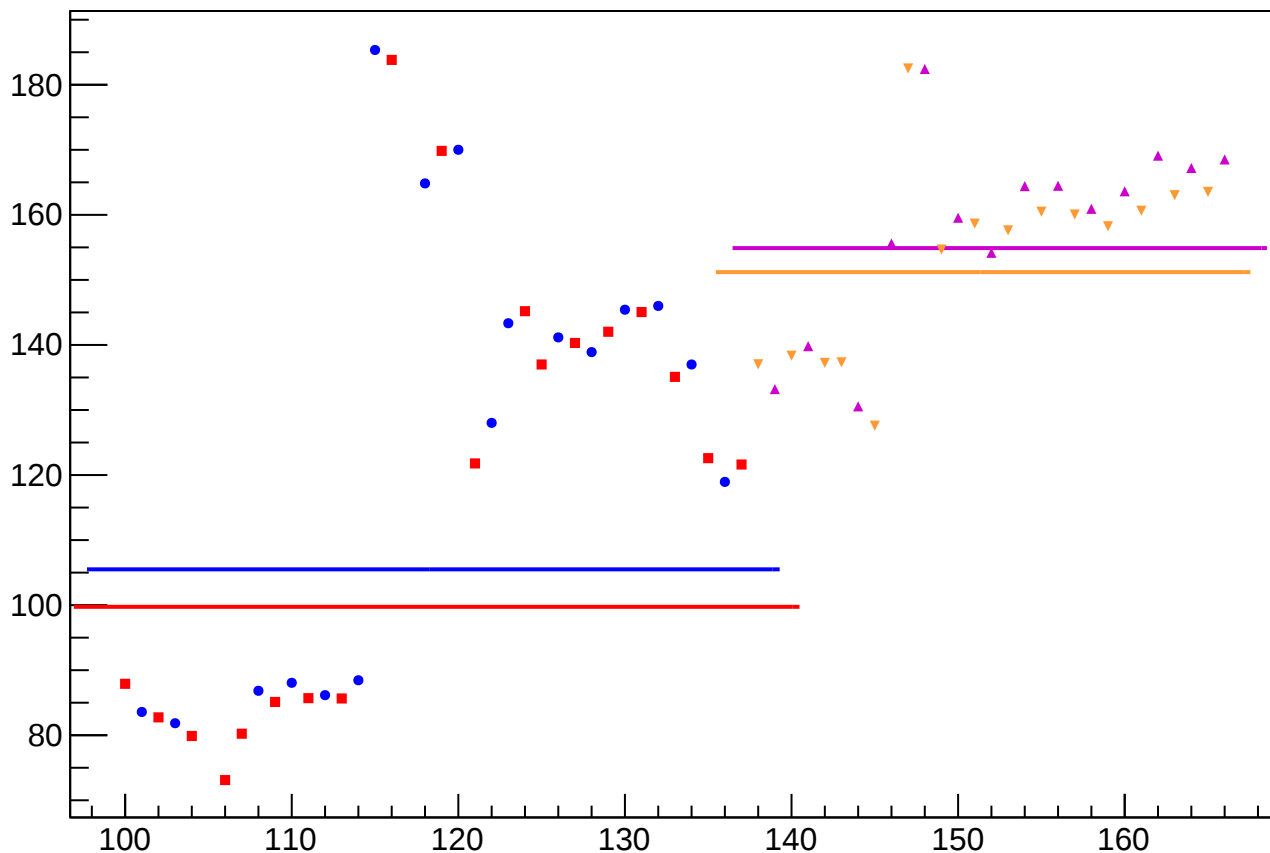
Right: 49.063 $\pm$ 28.665 χ^2 /NDF: 34.8/35

In: 93.034 $\pm$ 31.484 χ^2 /NDF:33.2/30

Out: 124.064 $\pm$ 29.584 χ^2 /NDF:38.0/33

All: 109.513 $\pm$ 21.560 χ^2 /NDF: 71.7/64

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 ± 0.030 $\chi^2/\text{NDF}: 869022.6/16$

Left Out: 151.197 ± 0.032 $\chi^2/\text{NDF}: 191581.5/14$

Right Out: 99.744 ± 0.028 $\chi^2/\text{NDF}: 1000097.3/18$

Left In: 154.892 ± 0.033 $\chi^2/\text{NDF}: 198179.2/13$

Left: 152.976 ± 0.023 $\chi^2/\text{NDF}: 396132.0/28$

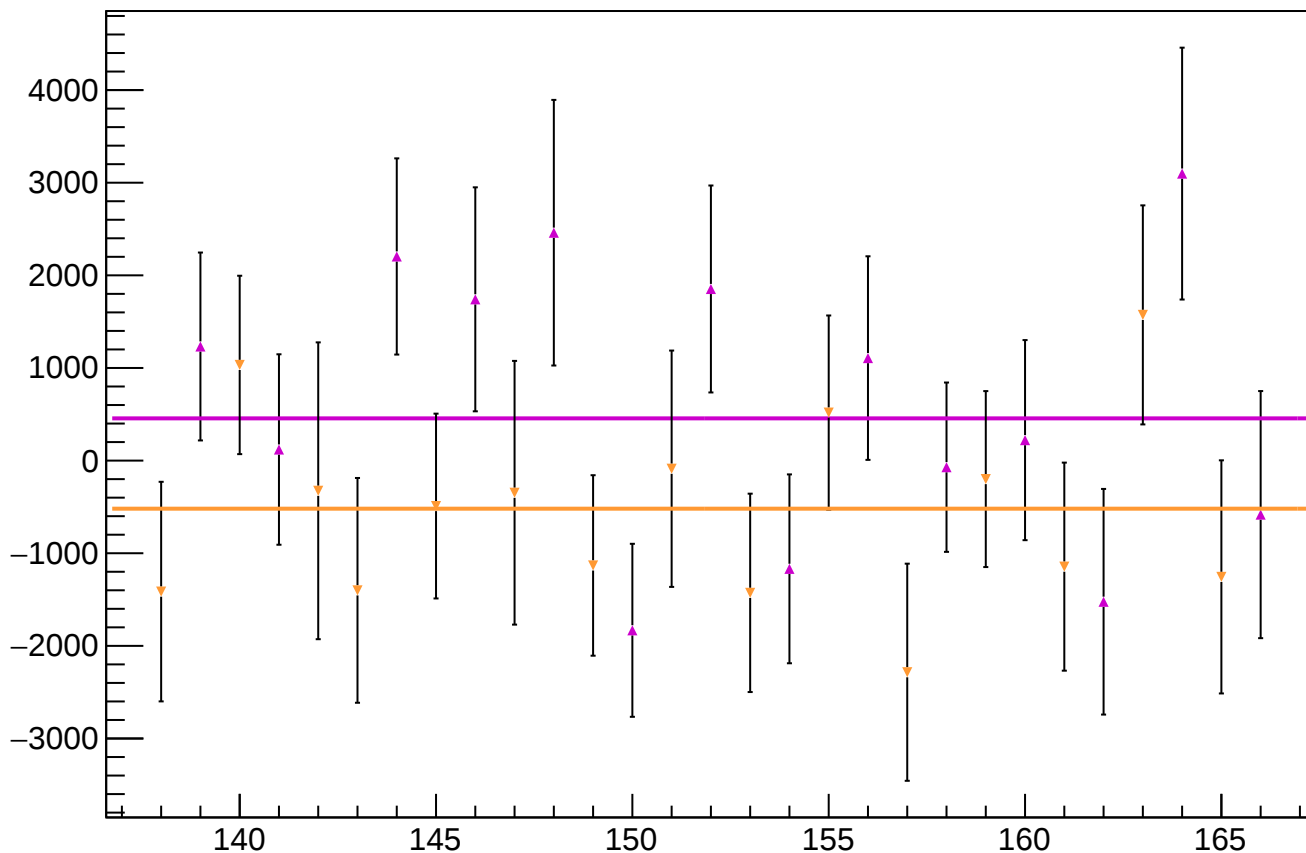
Right: 102.389 ± 0.020 $\chi^2/\text{NDF}: 1889165.6/35$

In: 127.523 ± 0.022 $\chi^2/\text{NDF}: 2283205.0/30$

Out: 121.566 ± 0.021 $\chi^2/\text{NDF}: 2669258.5/33$

All: 124.360 ± 0.015 $\chi^2/\text{NDF}: 4990487.6/64$

asym_sam5_correction_mean vs Slug, Sign Corrected



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: 455.920+/-294.233 χ^2/NDF :24.4/13

Left: -36.408+/-207.012 χ^2/NDF : 42.0/28

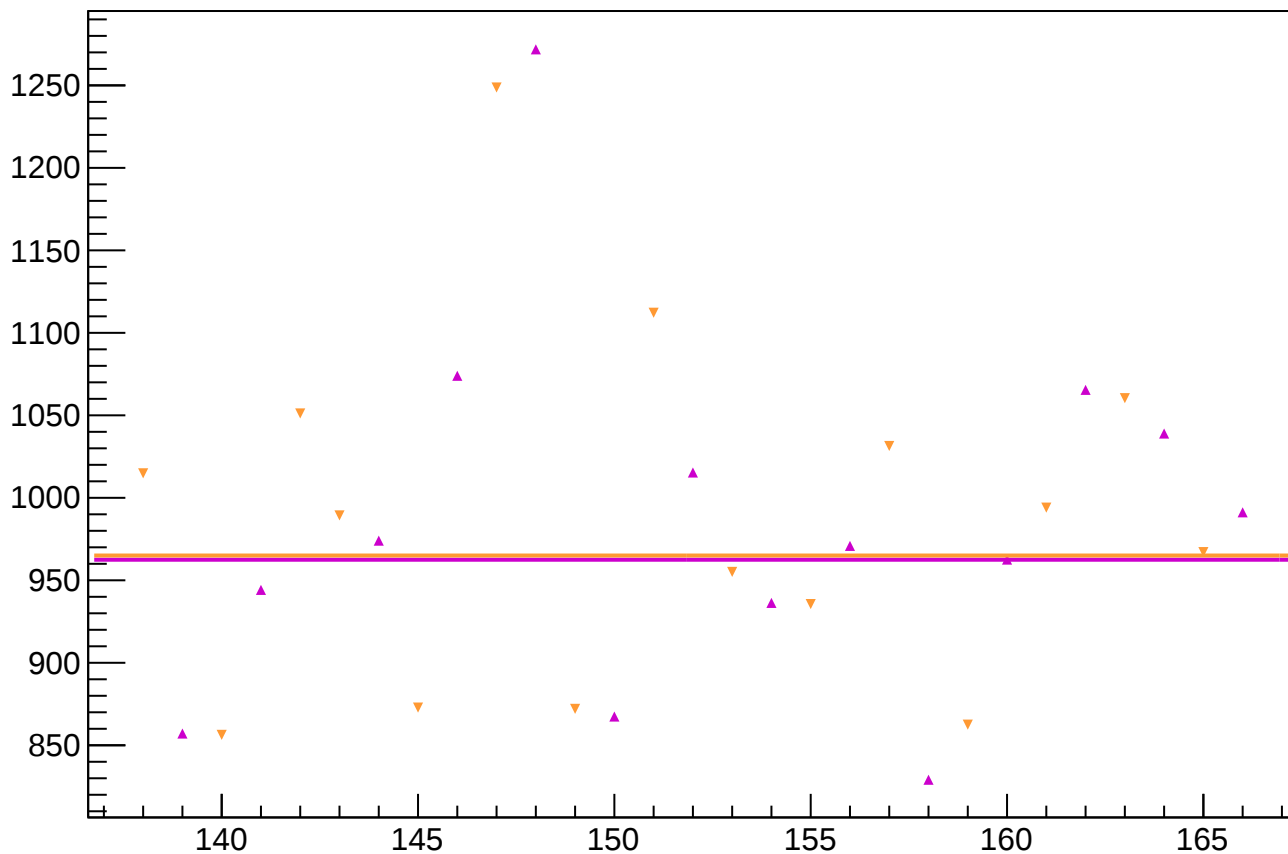
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 455.920+/-294.233 χ^2/NDF :24.4/13

Out: -518.994+/-291.308 χ^2/NDF :12.1/14

All: -36.408+/-207.012 χ^2/NDF : 42.0/28

asym_sam5_correction_rms vs Slug, Sign Corrected



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: 962.470+/-0.208 χ^2/NDF : 223364.1/13

Left: 963.761+/-0.146 χ^2/NDF : 446209.6/28

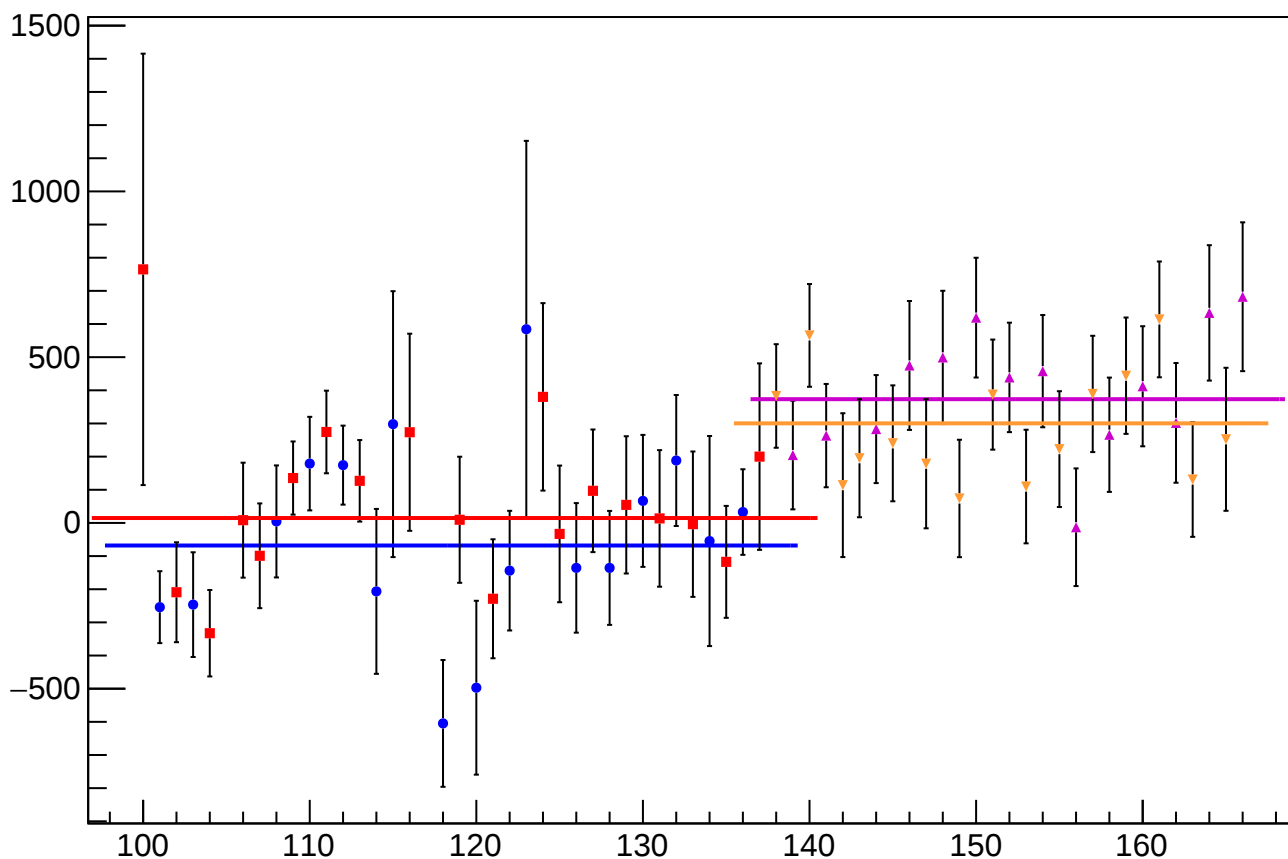
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 962.470+/-0.208 χ^2/NDF : 223364.1/13

Out: 965.026+/-0.206 χ^2/NDF : 222769.3/14

All: 963.761+/-0.146 χ^2/NDF : 446209.6/28

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 $\pm$ 42.265 χ^2 /NDF: 27.8/16

Left Out: 300.362 $\pm$ 45.541 χ^2 /NDF:13.3/14

Right Out: 14.800 $\pm$ 39.467 χ^2 /NDF: 23.1/18

Left In: 373.264 $\pm$ 47.675 χ^2 /NDF:13.6/13

Left: 335.145 $\pm$ 32.931 χ^2 /NDF: 28.2/28

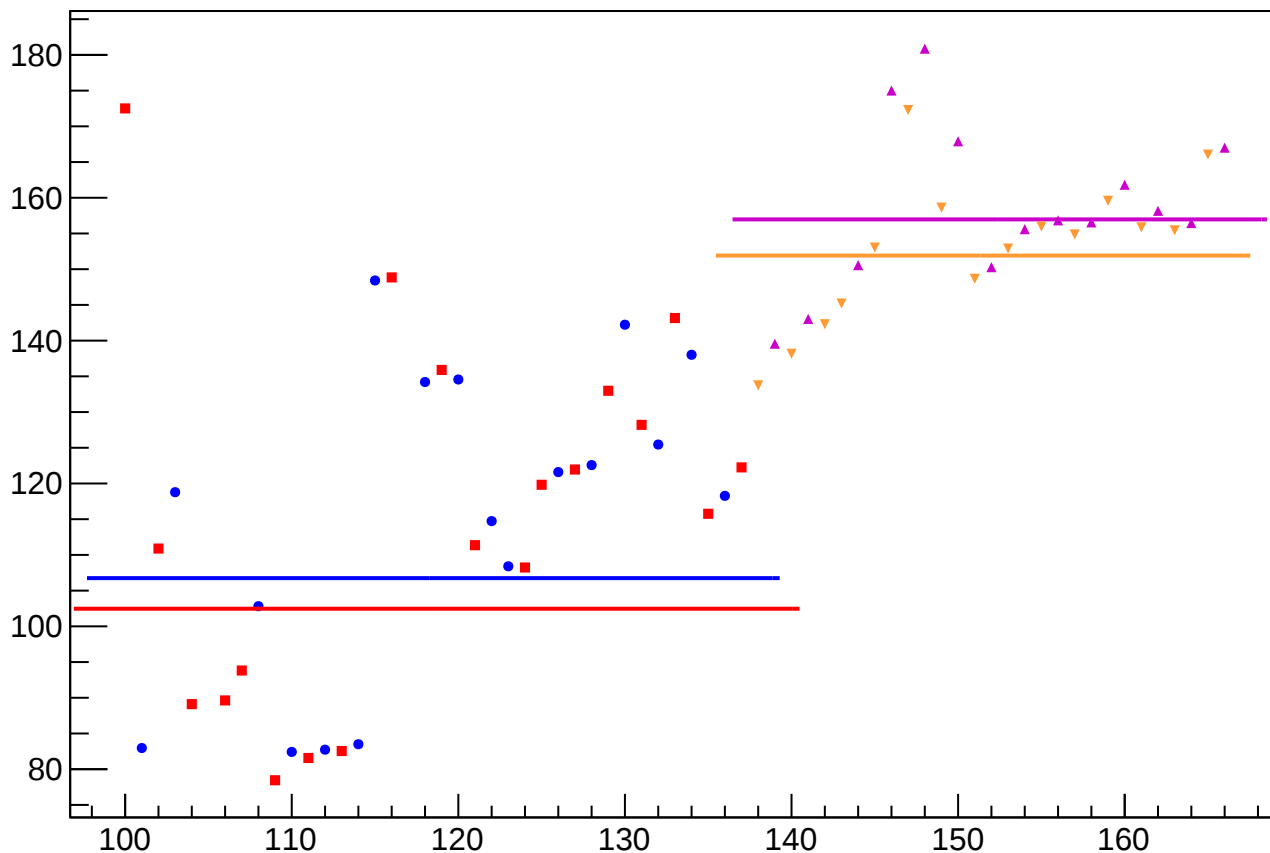
Right: -23.820 $\pm$ 28.846 χ^2 /NDF: 53.0/35

In: 126.124 $\pm$ 31.627 χ^2 /NDF:89.5/30

Out: 137.278 $\pm$ 29.825 χ^2 /NDF:58.9/33

All: 132.027 $\pm$ 21.699 χ^2 /NDF: 148.4/64

reg_asym_sam6_rms vs Slug, Sign Corrected



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: 156.973 $\pm$ 0.034 χ^2 /NDF:103434.8/13

Left: 154.324 $\pm$ 0.023 χ^2 /NDF: 206379.7/28

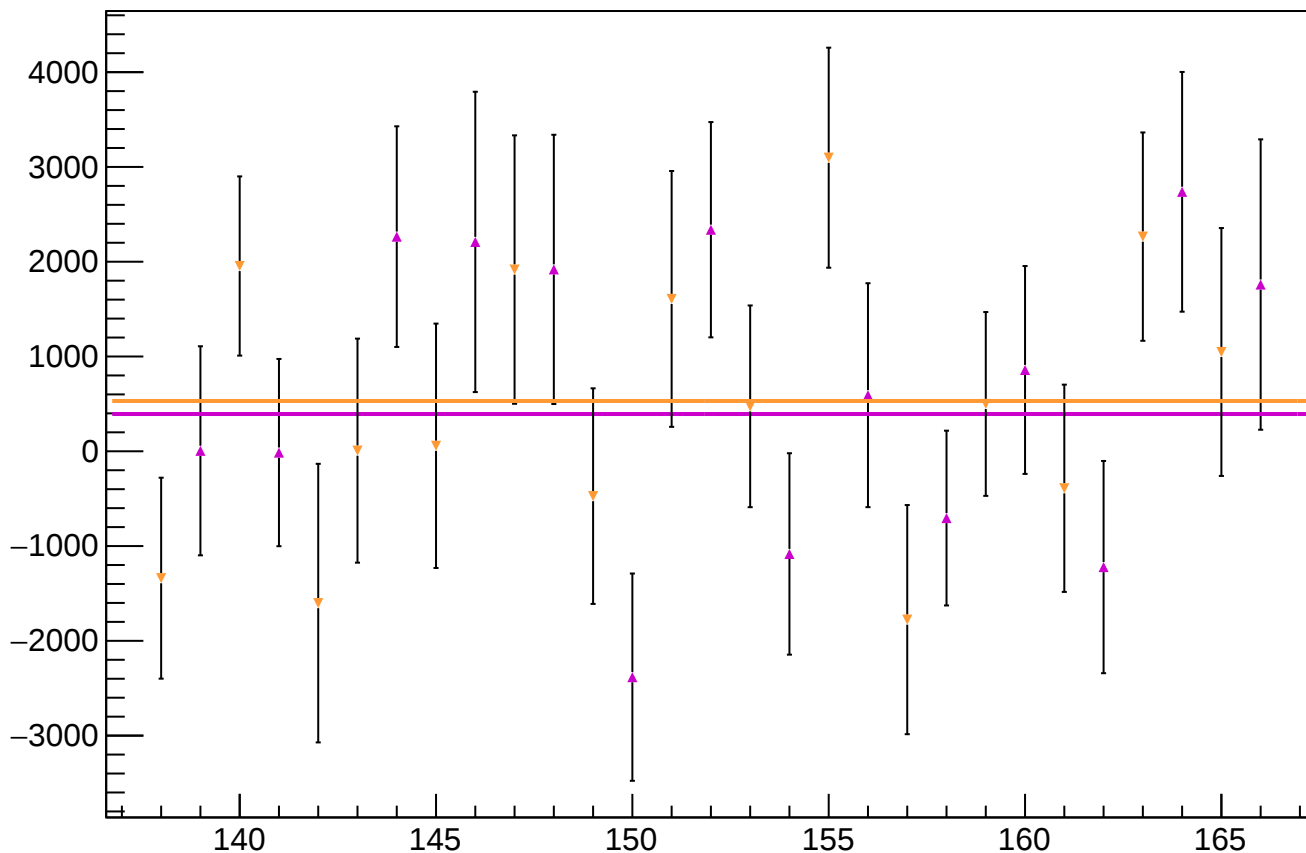
Right: 104.462 $\pm$ 0.020 χ^2 /NDF: 1102055.3/35

In: 128.851 $\pm$ 0.022 χ^2 /NDF:1847966.8/30

Out: 123.672 $\pm$ 0.021 χ^2 /NDF:2026573.0/33

All: 126.110 $\pm$ 0.015 χ^2 /NDF: 3902932.1/64

asym_sam6_correction_mean vs Slug, Sign Corrected



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: 393.148+/-307.879 χ^2/NDF :24.6/13

Left: 464.069+/-214.271 χ^2/NDF : 46.8/28

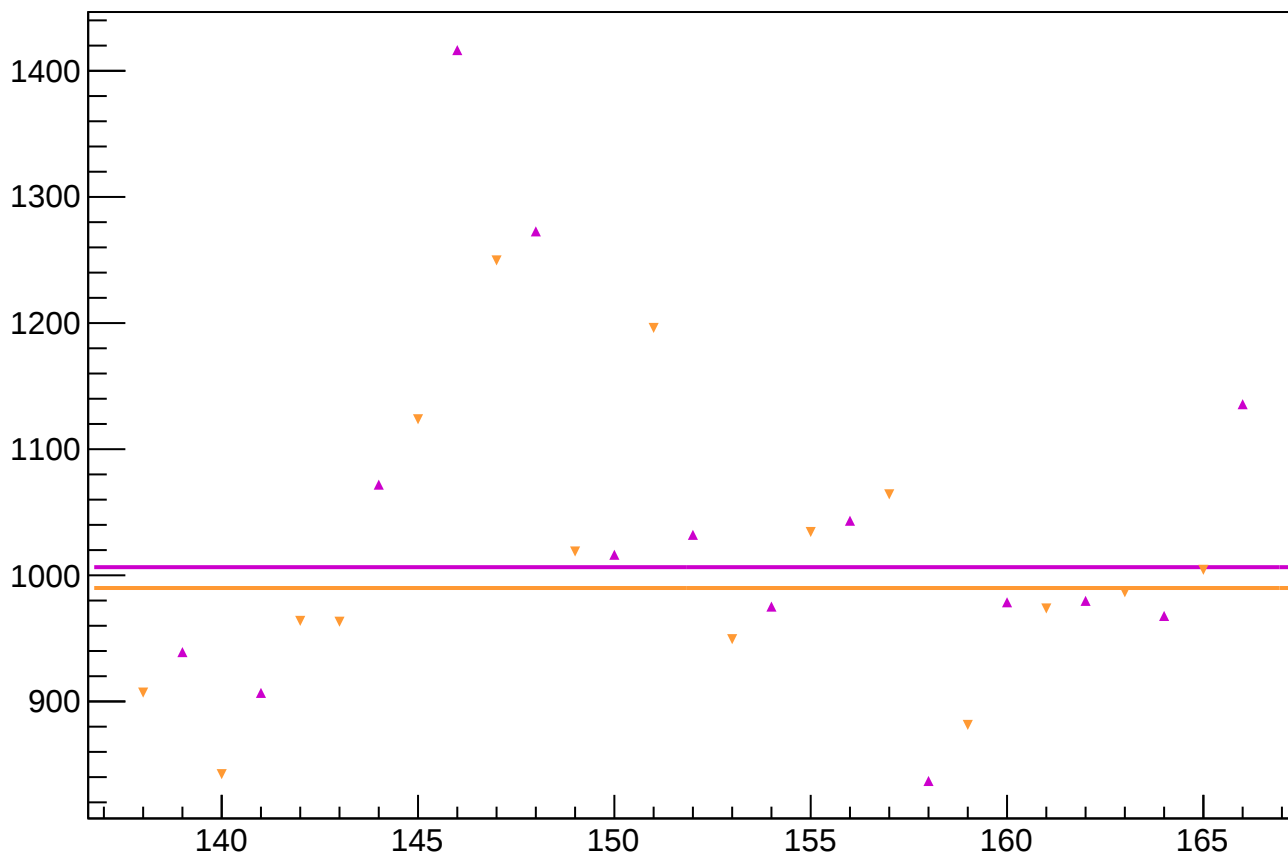
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 393.148+/-307.879 χ^2/NDF :24.6/13

Out: 530.687+/-298.393 χ^2/NDF :22.1/14

All: 464.069+/-214.271 χ^2/NDF : 46.8/28

asym_sam6_correction_rms vs Slug, Sign Corrected



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: 1006.465+/-0.218 χ^2/NDF :329314.7/13

Left: 997.946+/-0.152 χ^2/NDF : 570860.1/28

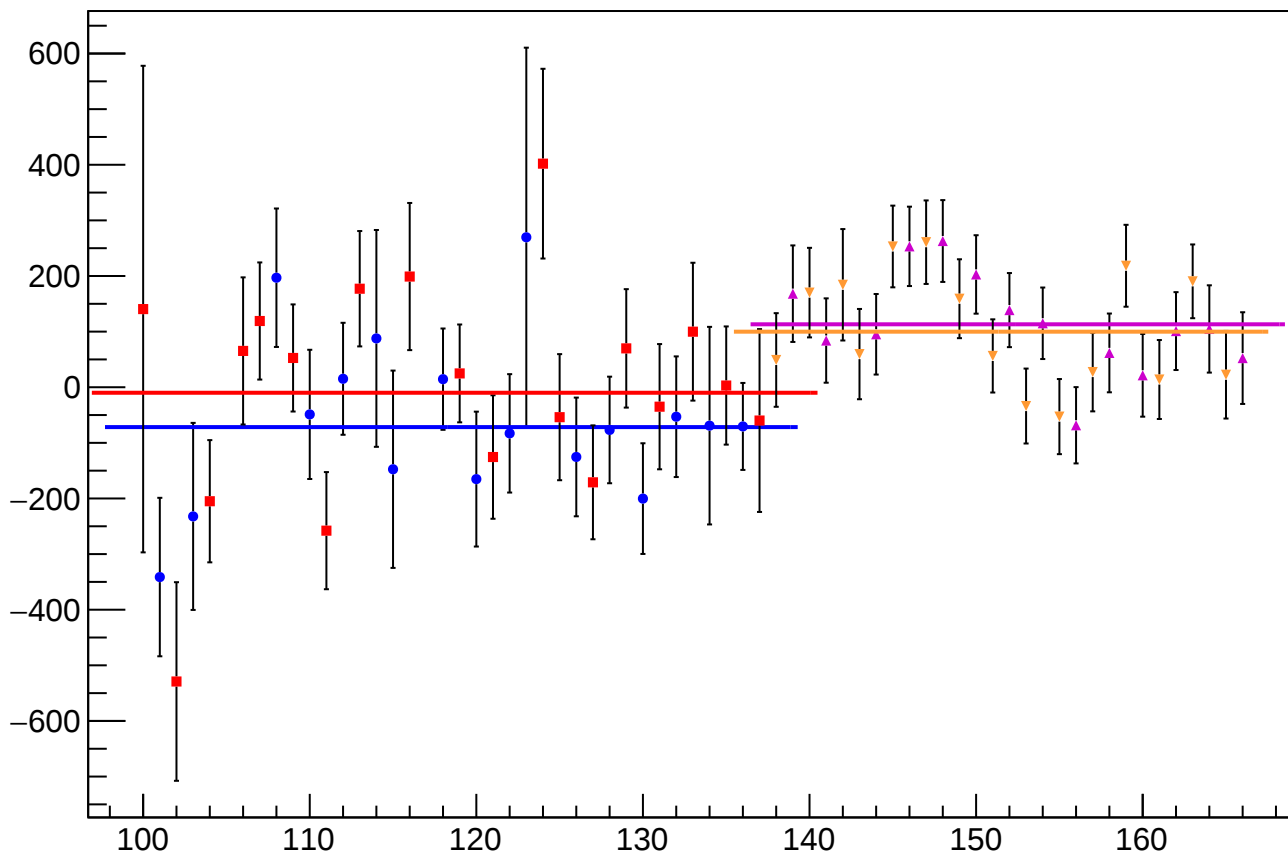
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1006.465+/-0.218 χ^2/NDF :329314.7/13

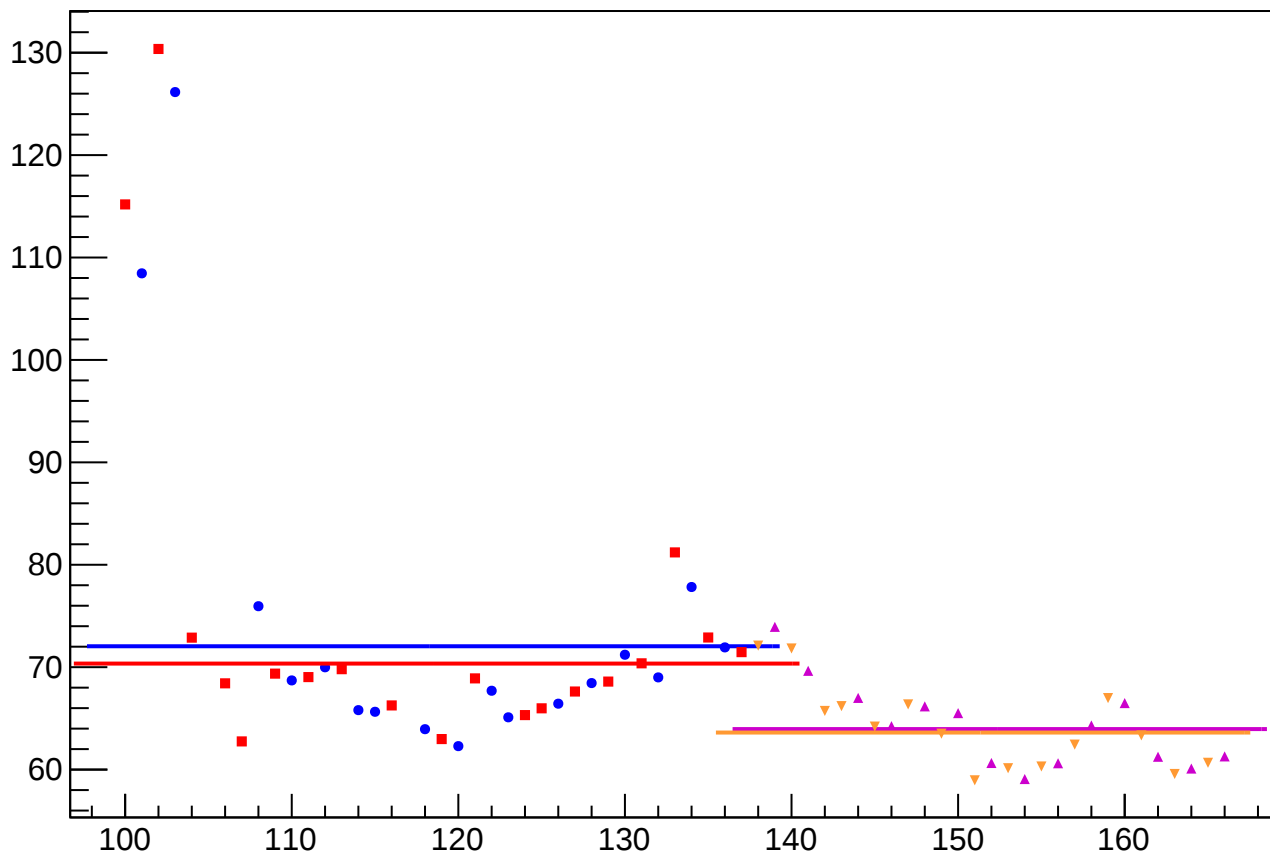
Out: 989.944+/-0.211 χ^2/NDF :238576.1/14

All: 997.946+/-0.152 χ^2/NDF : 570860.1/28

reg_asym_sam7_mean vs Slug, Sign Corrected



reg_asym_sam7_rms vs Slug, Sign Corrected



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: 63.956+/-0.014 χ^2/NDF : 77547.2/13

Left: 63.784+/-0.010 χ^2/NDF : 159940.0/28

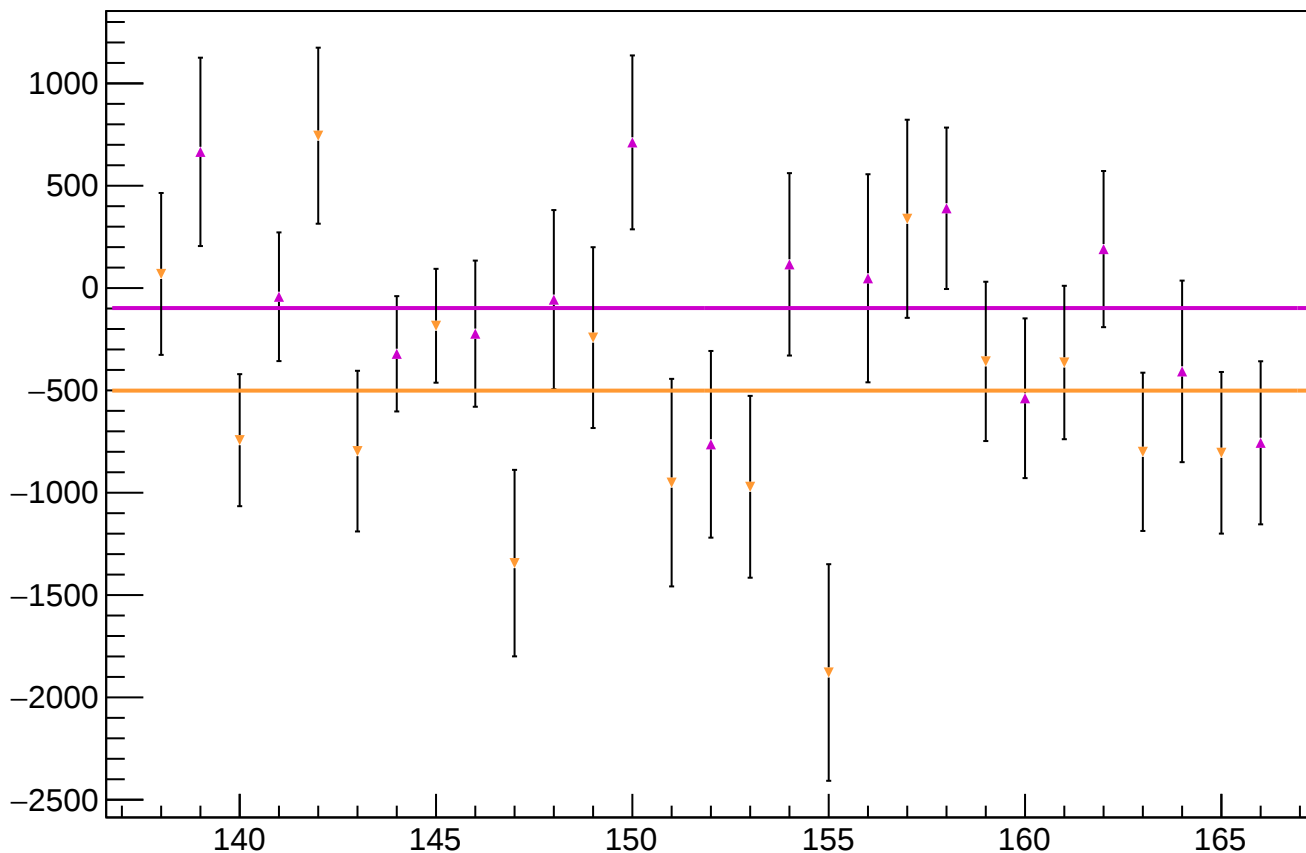
Right: 71.149+/-0.014 χ^2/NDF : 694733.5/35

In: 66.536+/-0.011 χ^2/NDF : 580256.6/30

Out: 65.879+/-0.011 χ^2/NDF : 464844.6/33

All: 66.197+/-0.008 χ^2/NDF : 1046837.4/64

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -501.047+/-102.932 χ^2/NDF :29.8/14

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

Left In: -97.695+/-104.825 χ^2/NDF :16.2/13

Left: -303.046+/-73.444 χ^2/NDF : 53.6/28

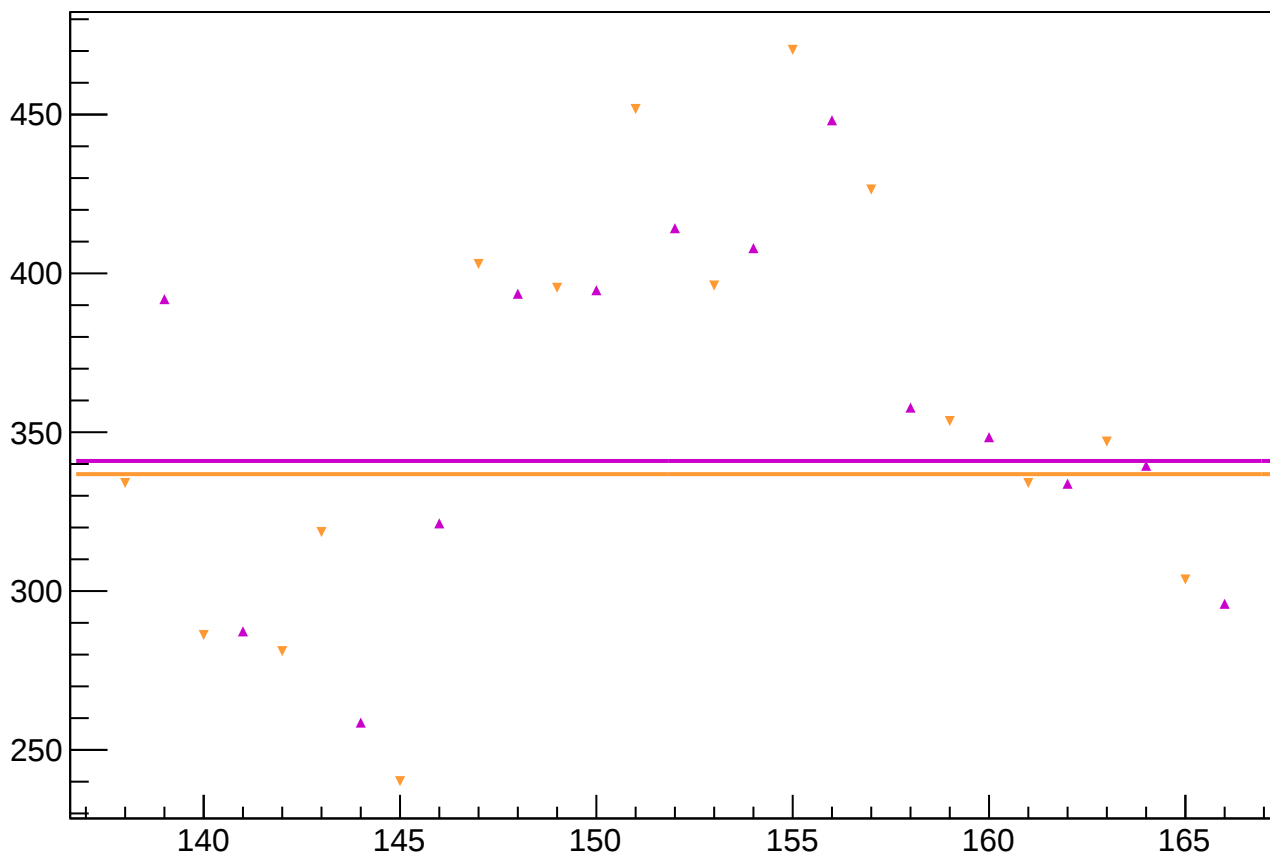
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -97.695+/-104.825 χ^2/NDF :16.2/13

Out: -501.047+/-102.932 χ^2/NDF :29.8/14

All: -303.046+/-73.444 χ^2/NDF : 53.6/28

asym_sam7_correction_rms vs Slug, Sign Corrected



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: 340.956+/-0.074 χ^2/NDF : 537003.0/13

Left: 338.842+/-0.052 χ^2/NDF : 1298452.6/28

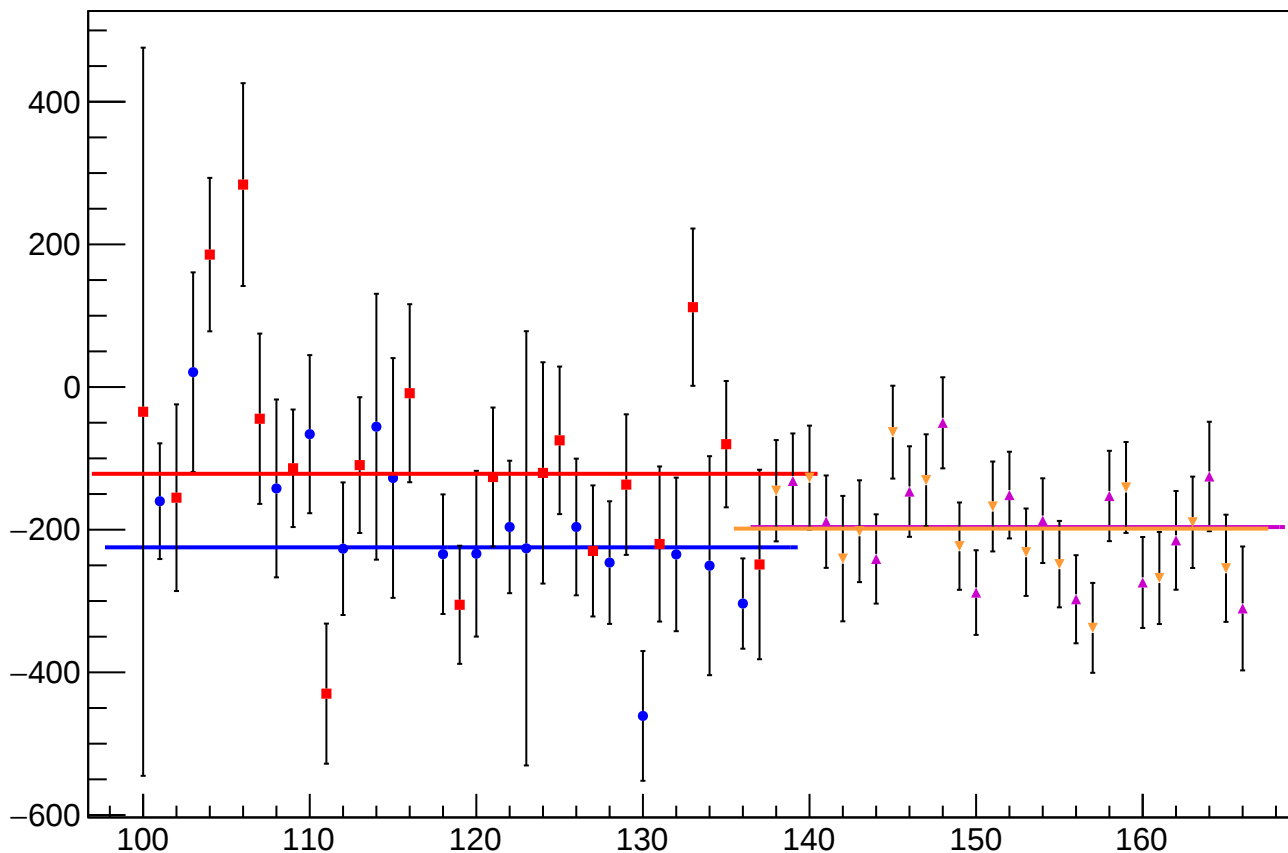
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 340.956+/-0.074 χ^2/NDF : 537003.0/13

Out: 336.803+/-0.073 χ^2/NDF : 759851.8/14

All: 338.842+/-0.052 χ^2/NDF : 1298452.6/28

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -198.493 ± 17.135 $\chi^2/\text{NDF}: 16.0/14$

Right Out: -121.633 ± 24.599 $\chi^2/\text{NDF}: 40.5/18$

Left In: -196.306 ± 17.356 $\chi^2/\text{NDF}: 17.6/13$

Left: -197.413 ± 12.194 $\chi^2/\text{NDF}: 33.6/28$

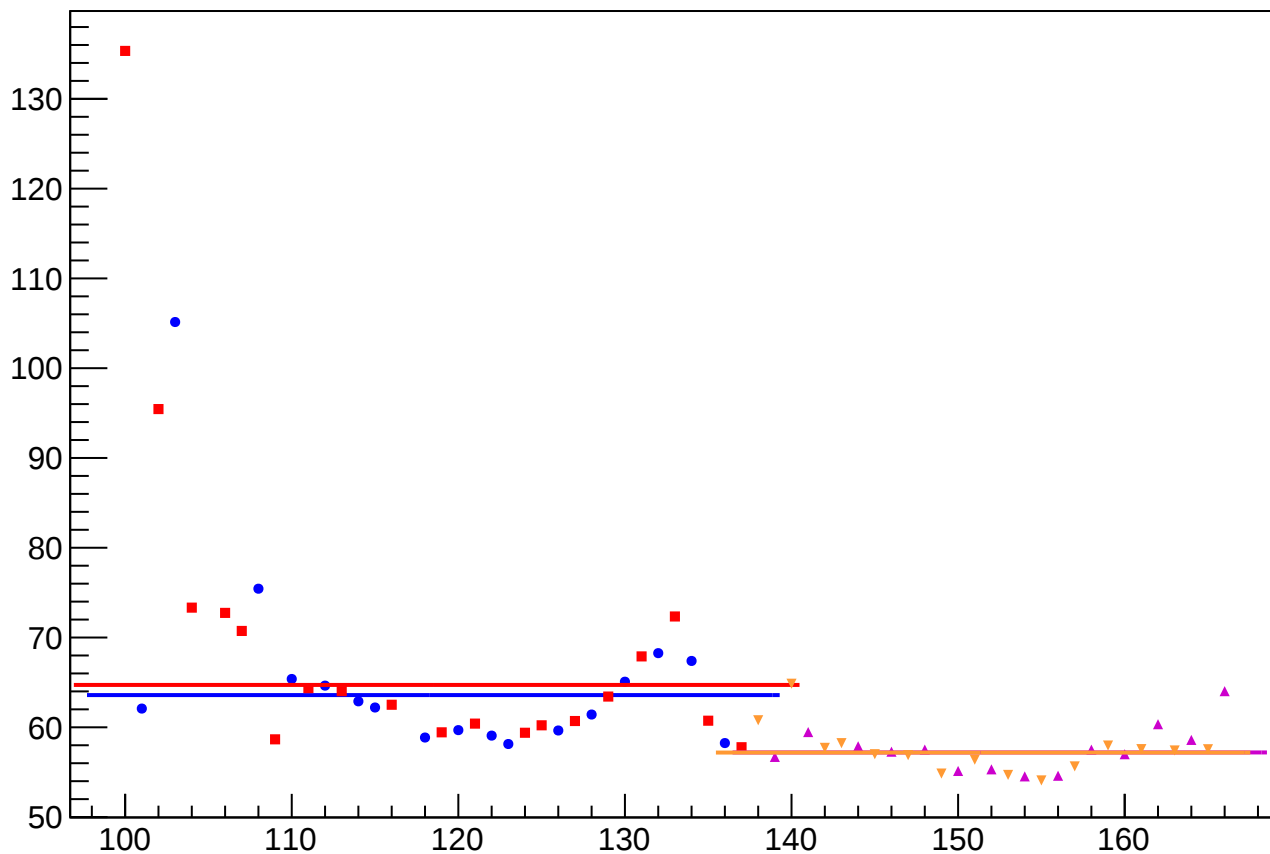
Right: -172.594 ± 17.493 $\chi^2/\text{NDF}: 65.1/35$

In: -205.609 ± 14.235 $\chi^2/\text{NDF}: 34.4/30$

Out: -173.384 ± 14.060 $\chi^2/\text{NDF}: 63.0/33$

All: -189.297 ± 10.003 $\chi^2/\text{NDF}: 100.0/64$

reg_asym_sam8_rms vs Slug, Sign Corrected



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: 57.200 $\pm$ 0.012 χ^2 /NDF: 31972.9/13

Left: 57.194 $\pm$ 0.009 χ^2 /NDF: 73220.2/28

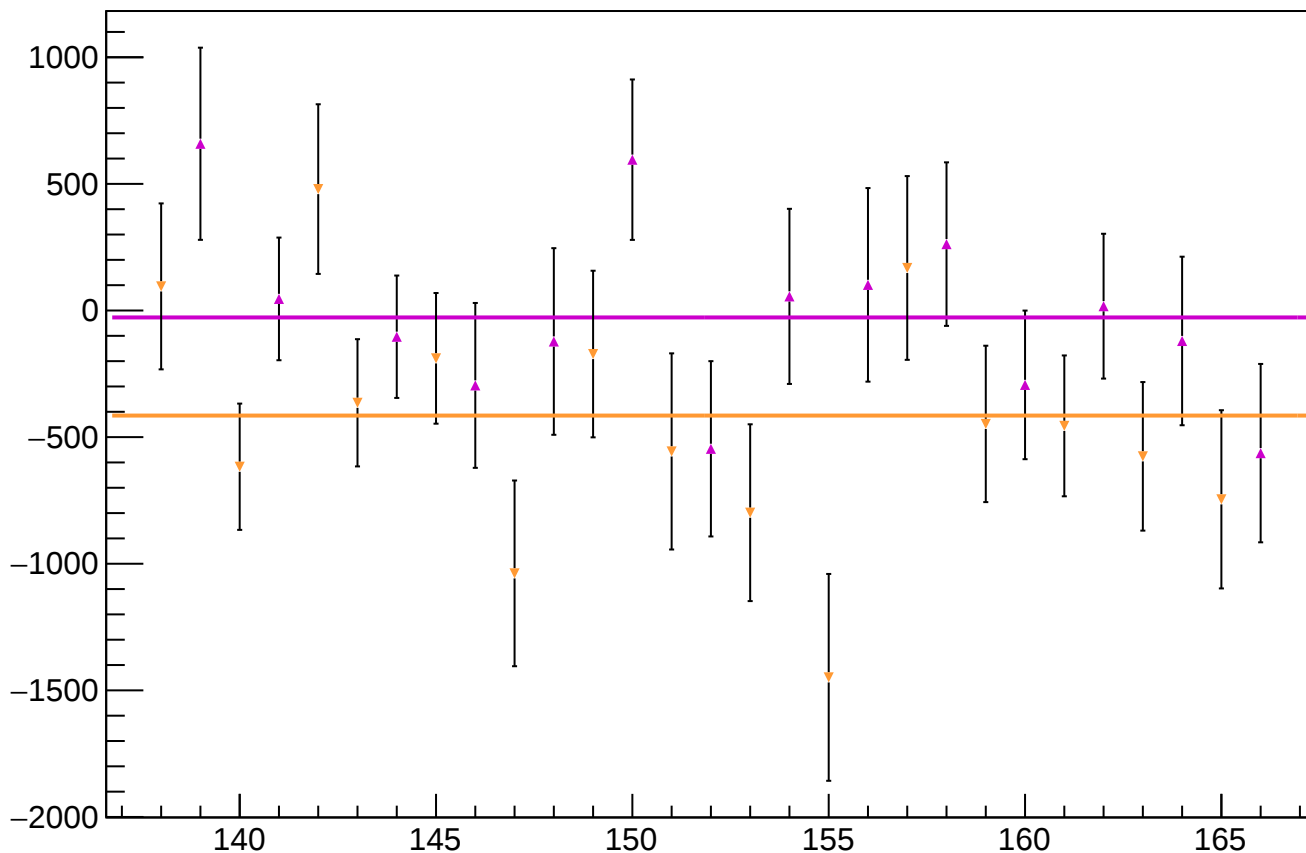
Right: 64.161 $\pm$ 0.012 χ^2 /NDF: 464197.3/35

In: 59.292 $\pm$ 0.010 χ^2 /NDF: 355279.0/30

Out: 59.649 $\pm$ 0.010 χ^2 /NDF: 394998.8/33

All: 59.472 $\pm$ 0.007 χ^2 /NDF: 750915.3/64

asym_sam8_correction_mean vs Slug, Sign Corrected



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: -27.390+/-83.928 χ^2/NDF :14.5/13

Left: -228.657+/-58.182 χ^2/NDF : 51.6/28

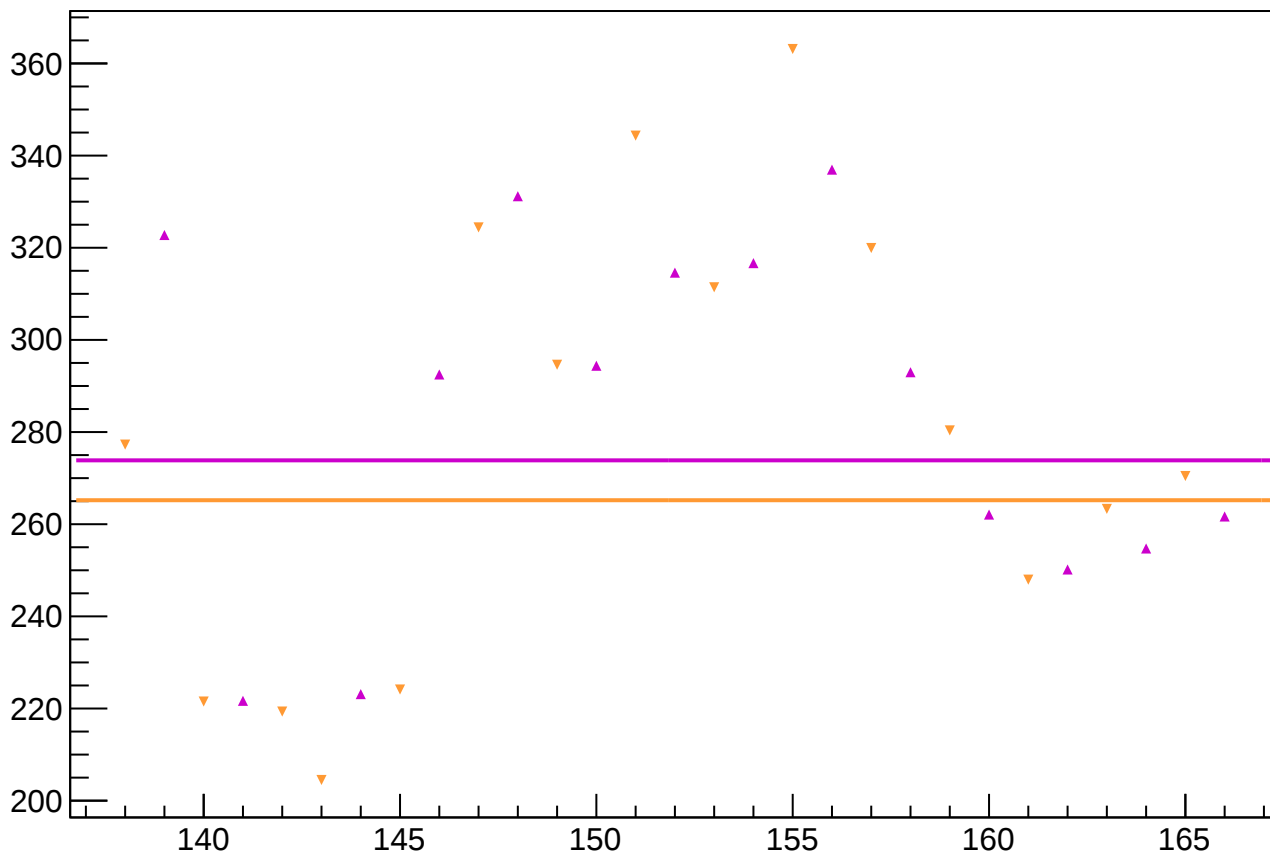
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -27.390+/-83.928 χ^2/NDF :14.5/13

Out: -414.876+/-80.730 χ^2/NDF :26.0/14

All: -228.657+/-58.182 χ^2/NDF : 51.6/28

asym_sam8_correction_rms vs Slug, Sign Corrected



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: 273.861+/-0.059 χ^2/NDF : 423403.2/13

Left: 269.366+/-0.041 χ^2/NDF : 1063817.5/28

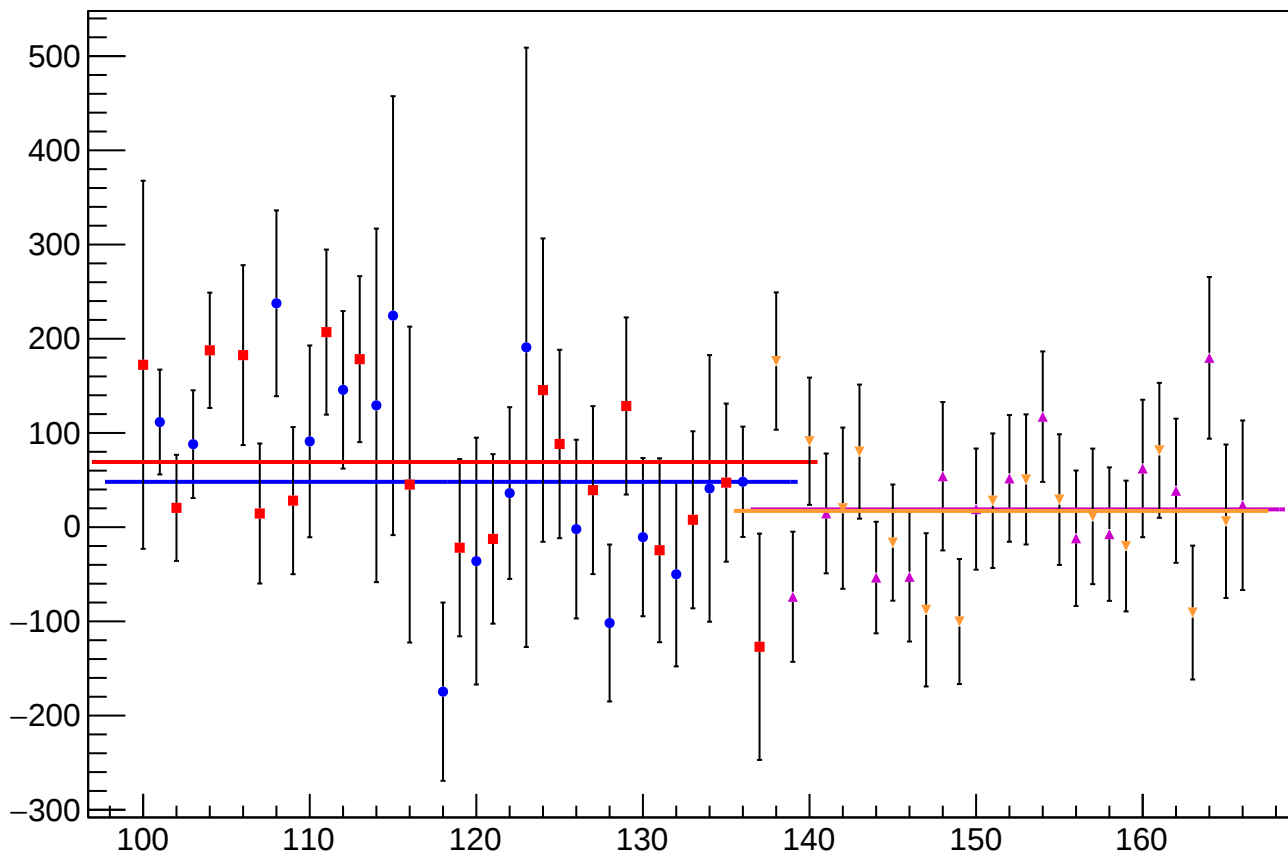
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 273.861+/-0.059 χ^2/NDF : 423403.2/13

Out: 265.206+/-0.057 χ^2/NDF : 629367.6/14

All: 269.366+/-0.041 χ^2/NDF : 1063817.5/28

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 17.219+/-18.439 χ^2/NDF :15.6/14

Right Out: 69.156+/-20.407 χ^2/NDF : 17.7/18

Left In: 18.861+/-18.908 χ^2/NDF :11.1/13

Left: 18.019+/-13.201 χ^2/NDF : 26.7/28

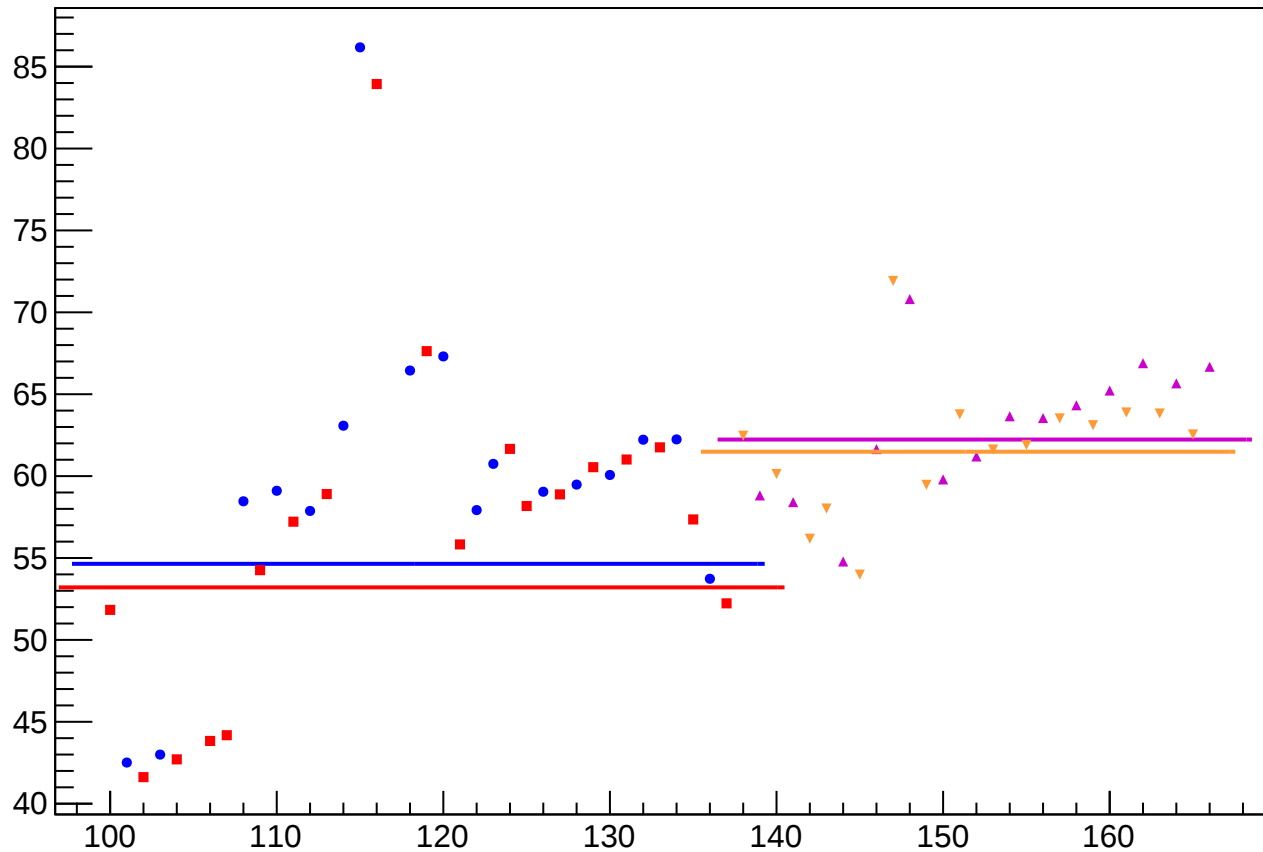
Right: 59.186+/-14.805 χ^2/NDF : 37.1/35

In: 31.610+/-14.201 χ^2/NDF :31.1/30

Out: 40.563+/-13.681 χ^2/NDF :36.8/33

All: 36.253+/-9.853 χ^2/NDF : 68.1/64

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 61.489 $\pm$ 0.013 χ^2 /NDF: 87542.4/14

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

Left In: 62.233 $\pm$ 0.013 χ^2 /NDF: 93029.6/13

Left: 61.852 $\pm$ 0.009 χ^2 /NDF: 182155.4/28

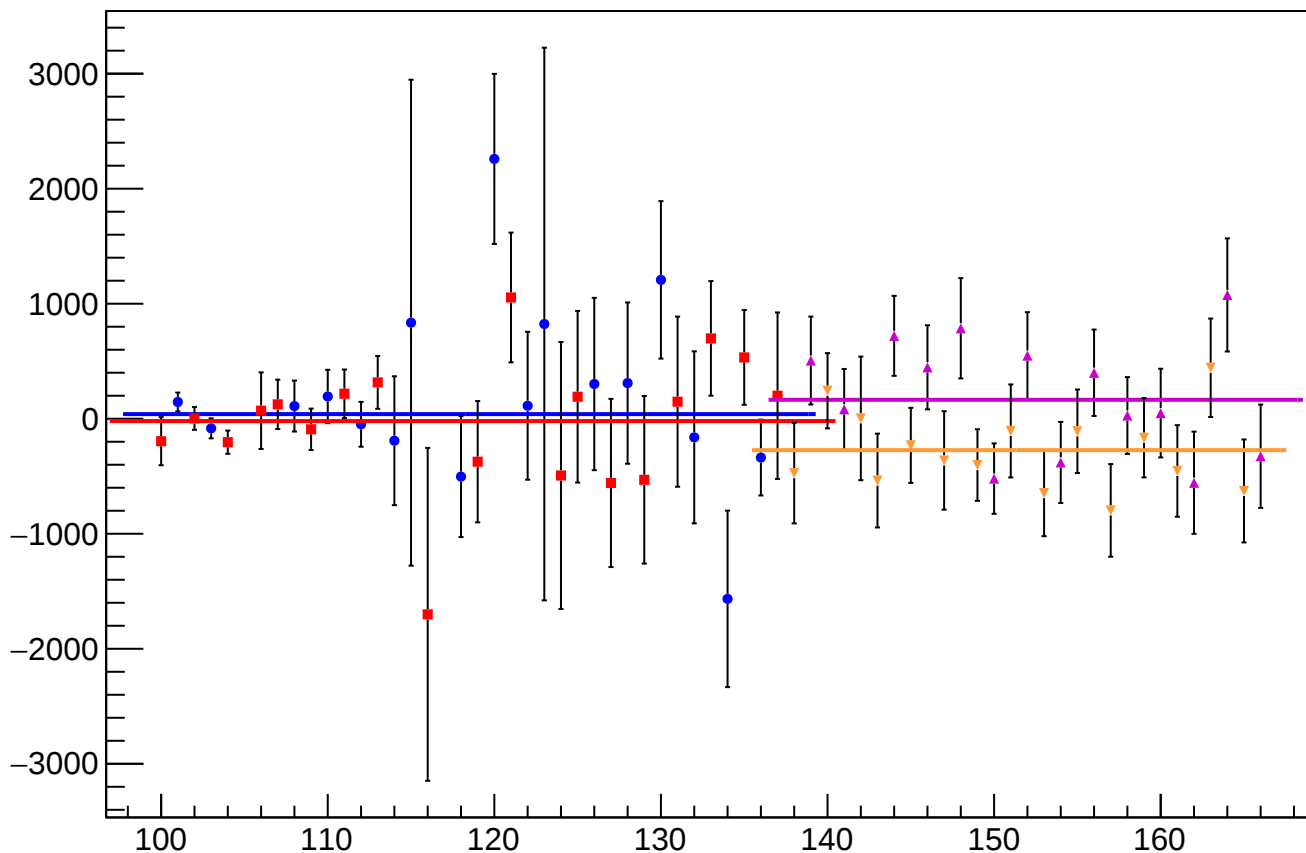
Right: 53.888 $\pm$ 0.010 χ^2 /NDF: 710299.5/35

In: 58.925 $\pm$ 0.010 χ^2 /NDF: 552716.5/30

Out: 57.767 $\pm$ 0.010 χ^2 /NDF: 655212.6/33

All: 58.324 $\pm$ 0.007 χ^2 /NDF: 1214832.1/64

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



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: 164.755+/-100.673 χ^2/NDF :22.4/13

Left: -57.181+/-70.700 χ^2/NDF : 42.4/28

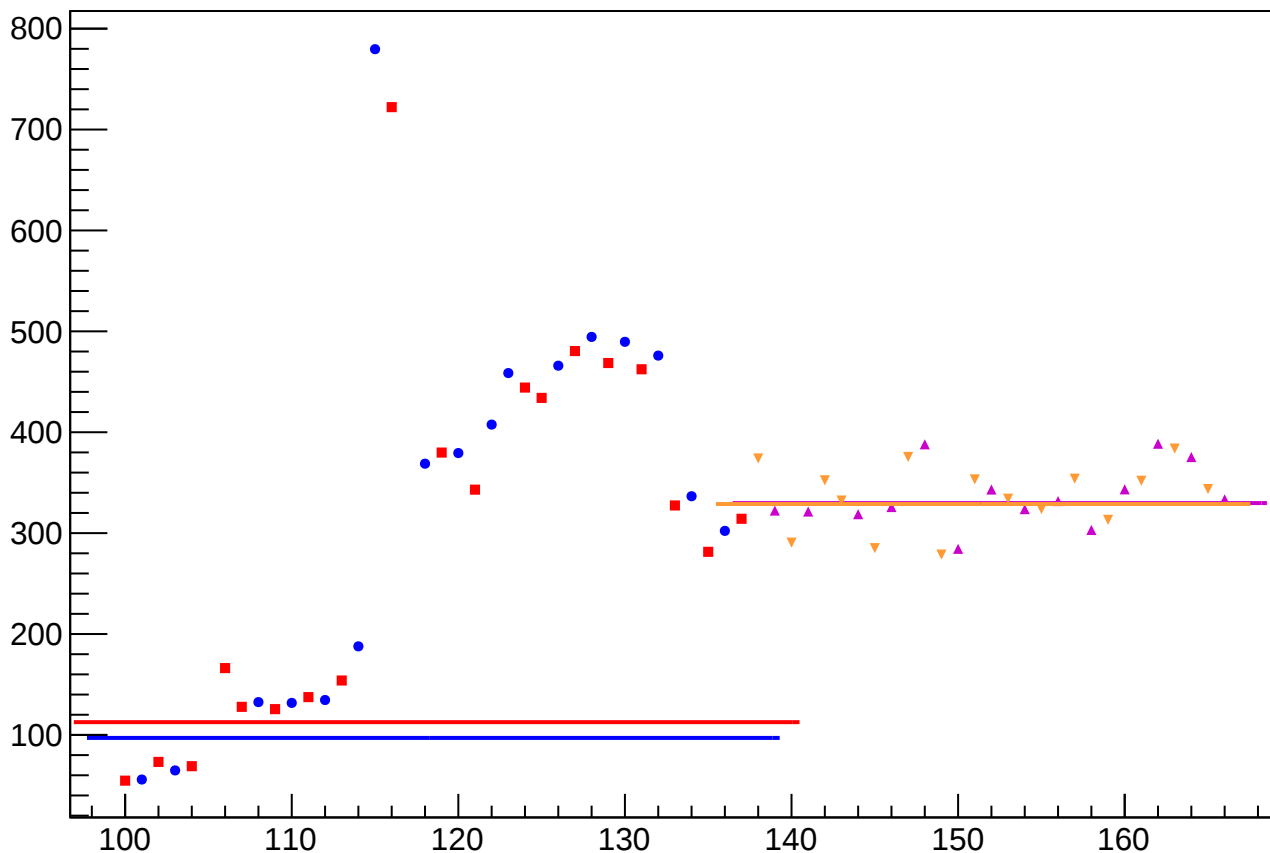
Right: 10.986+/-37.043 χ^2/NDF : 43.4/35

In: 66.074+/-45.879 χ^2/NDF :47.5/30

Out: -76.750+/-46.946 χ^2/NDF :34.4/33

All: -3.697+/-32.812 χ^2/NDF : 86.6/64

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039 $\pm$ 0.036 χ^2/NDF : 5819709.2/16

Left Out: 328.845 $\pm$ 0.070 χ^2/NDF : 226036.0/14

Right Out: 112.653 $\pm$ 0.038 χ^2/NDF : 5036306.5/18

Left In: 329.795 $\pm$ 0.071 χ^2/NDF : 154452.0/13

Left: 329.313 $\pm$ 0.050 χ^2/NDF : 380578.3/28

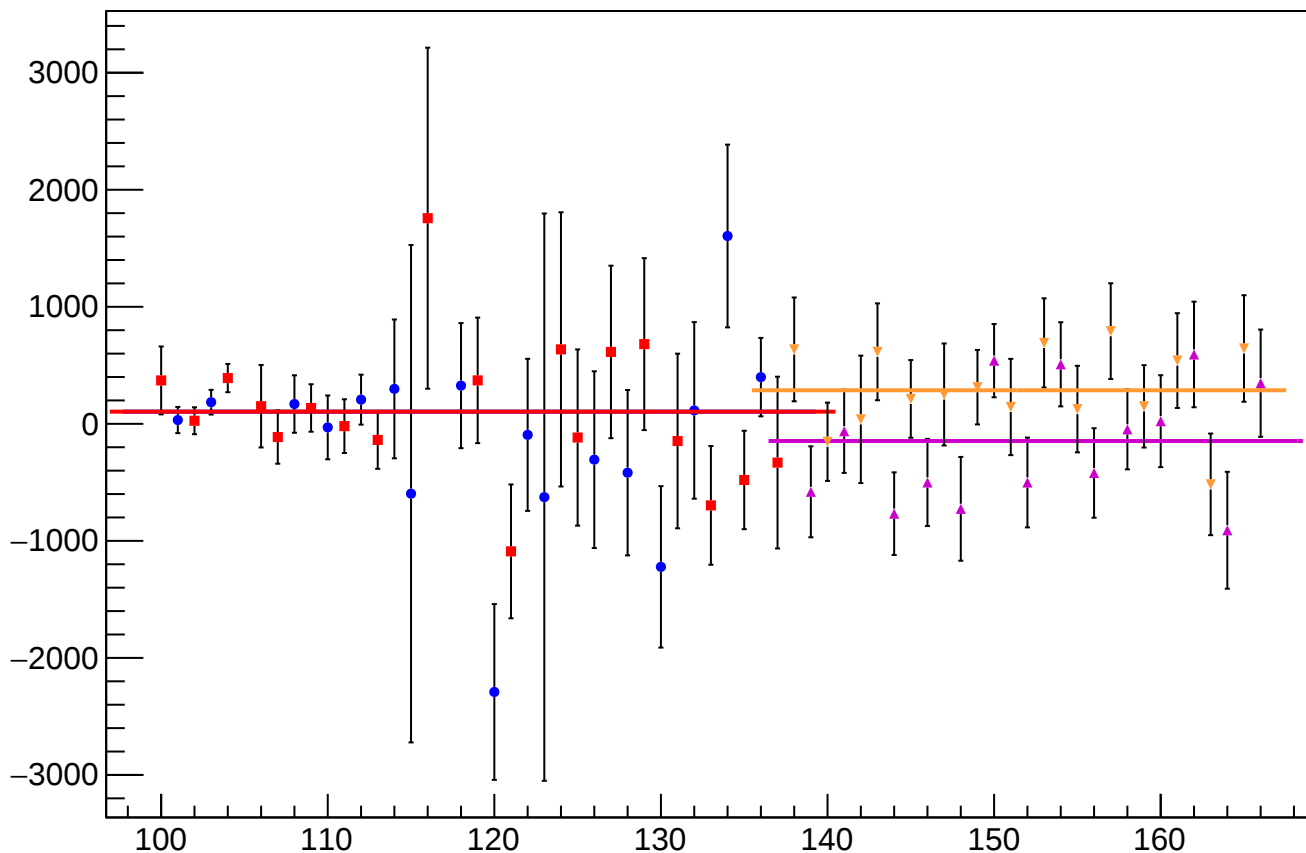
Right: 104.588 $\pm$ 0.026 χ^2/NDF : 10944761.2/35

In: 145.379 $\pm$ 0.032 χ^2/NDF : 14444650.0/30

Out: 160.964 $\pm$ 0.033 χ^2/NDF : 12622282.0/33

All: 152.992 $\pm$ 0.023 χ^2/NDF : 27179674.6/64

asym_sam_15_avg_mean vs Slug, Sign Corrected



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: -146.863 $\pm$ 102.509 χ^2 /NDF:23.0/13

Left: 72.956 $\pm$ 71.979 χ^2 /NDF: 42.8/28

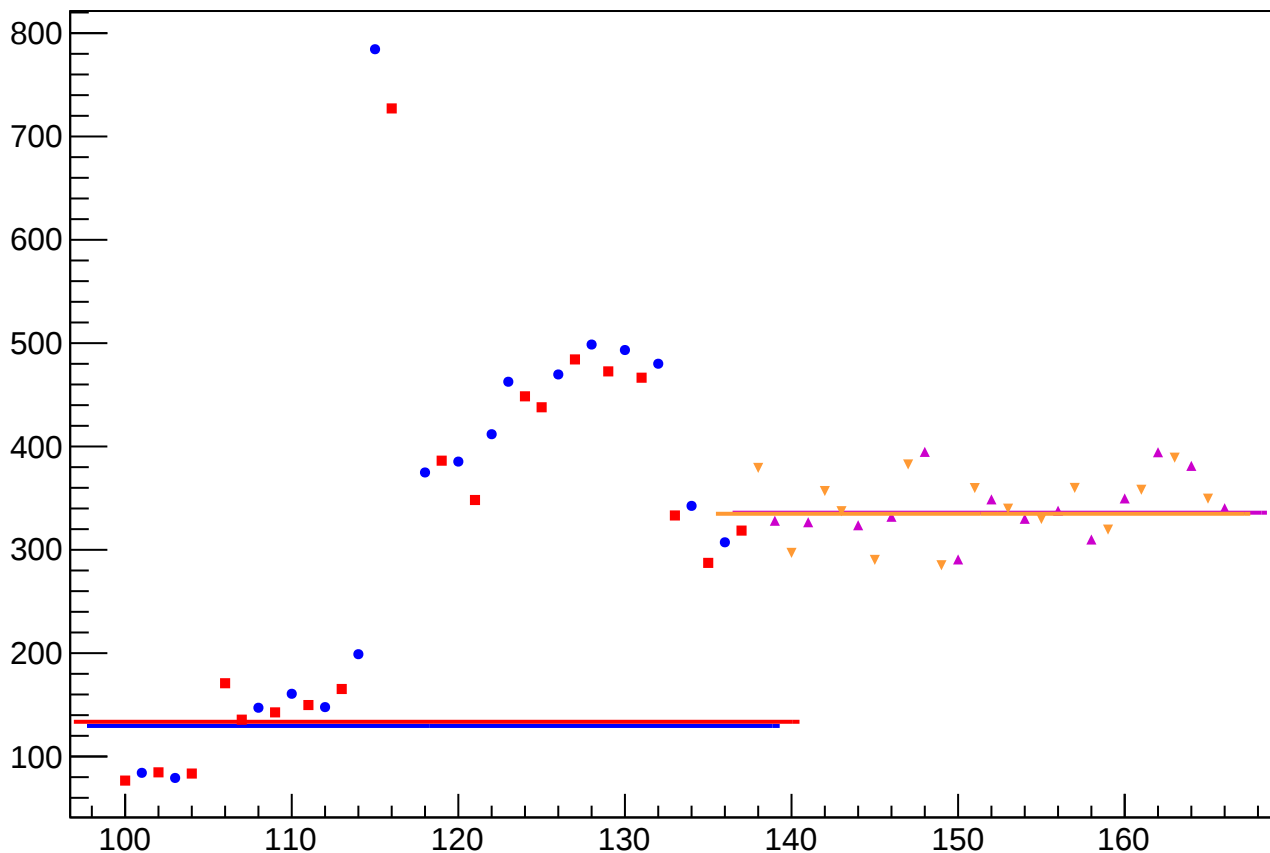
Right: 104.073 $\pm$ 43.823 χ^2 /NDF: 42.6/35

In: 34.977 $\pm$ 53.770 χ^2 /NDF:48.6/30

Out: 152.711 $\pm$ 52.139 χ^2 /NDF:34.5/33

All: 95.658 $\pm$ 37.431 χ^2 /NDF: 85.6/64

asym_sam_15_avg_rms vs Slug, Sign Corrected



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: 335.928 $\pm$ 0.072 χ^2 /NDF: 148871.0/13

Left: 335.403 $\pm$ 0.051 χ^2 /NDF: 366339.9/28

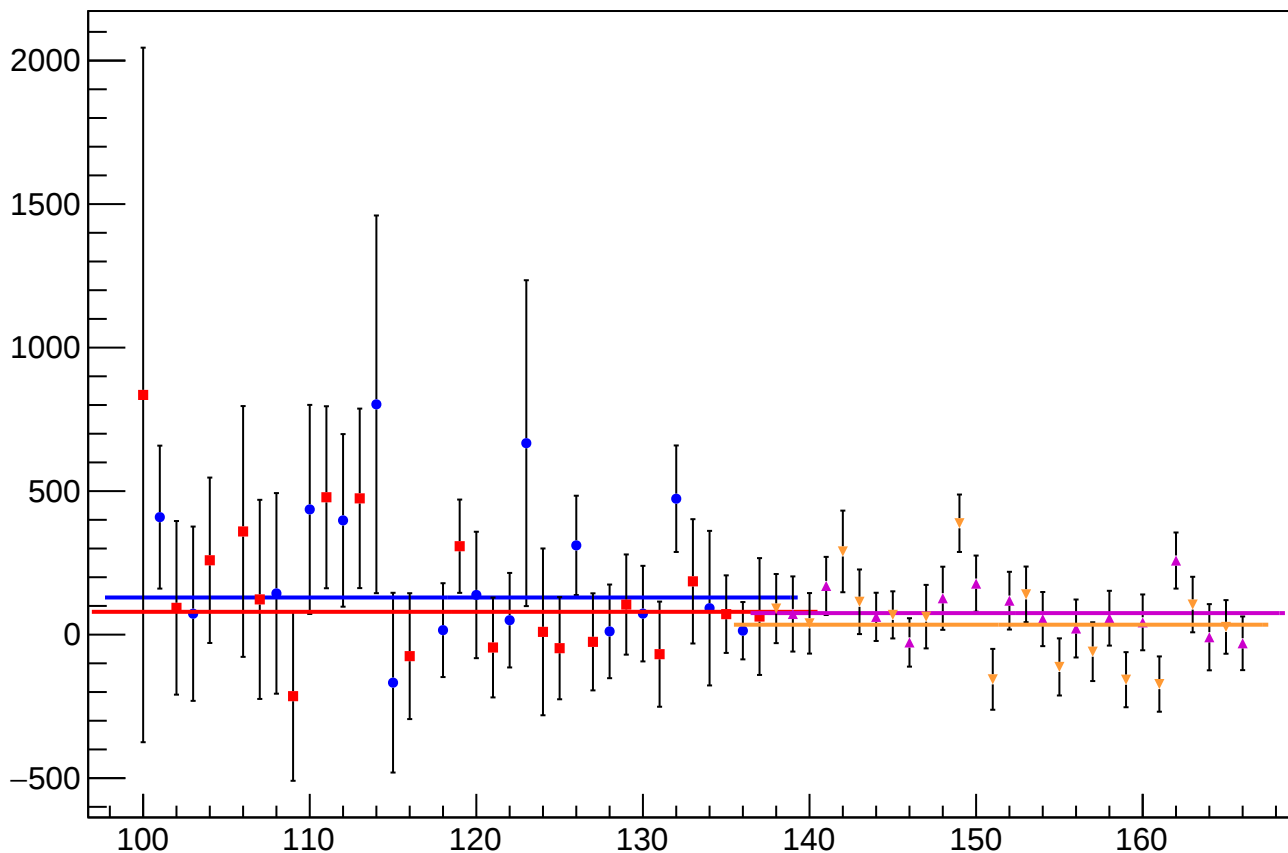
Right: 131.647 $\pm$ 0.031 χ^2 /NDF: 9142947.8/35

In: 186.335 $\pm$ 0.038 χ^2 /NDF: 10797221.6/30

Out: 187.138 $\pm$ 0.037 χ^2 /NDF: 10404330.7/33

All: 186.749 $\pm$ 0.026 χ^2 /NDF: 21201782.4/64

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 34.588 $\pm$ 26.289 χ^2 /NDF:33.2/14

Right Out: 79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

Left In: 74.993 $\pm$ 26.311 χ^2 /NDF:9.7/13

Left: 54.773 $\pm$ 18.597 χ^2 /NDF: 44.1/28

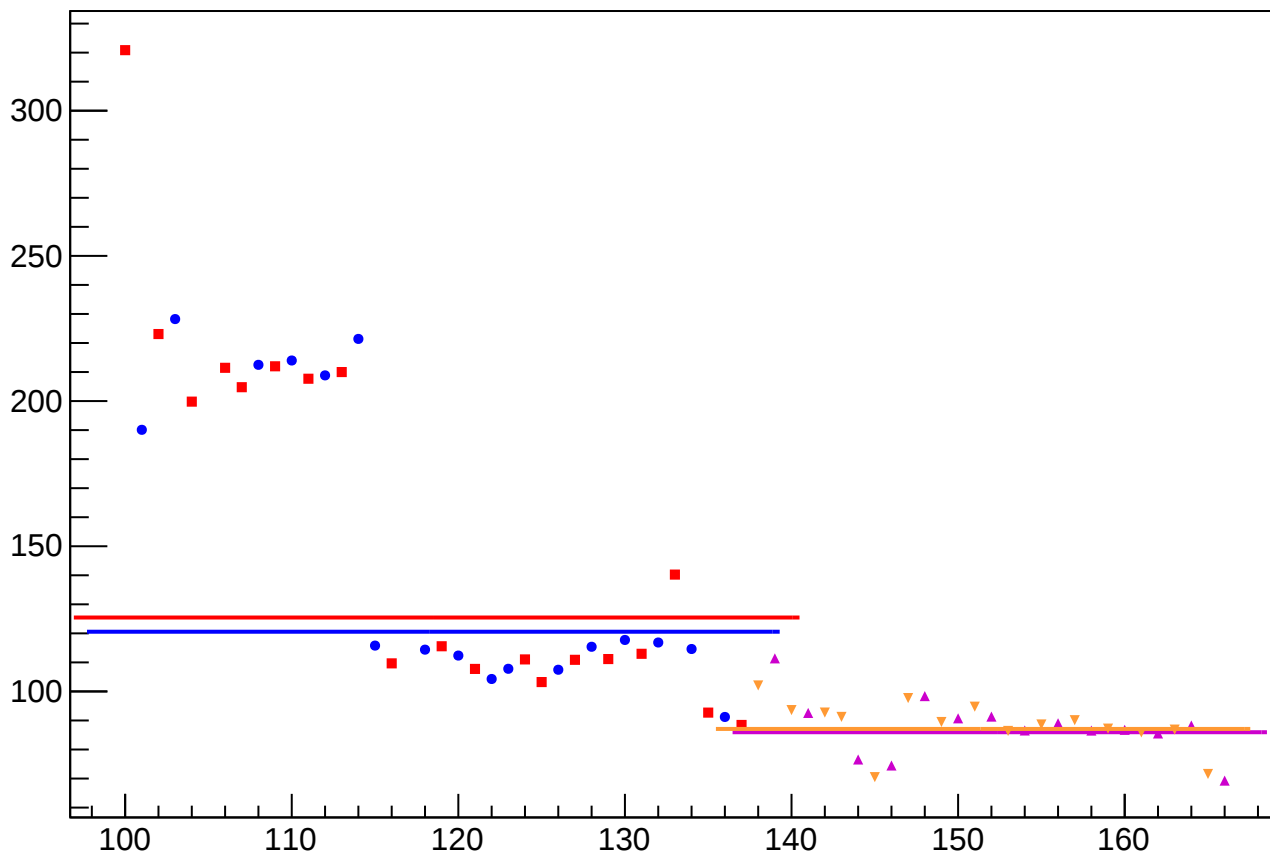
Right: 104.826 $\pm$ 35.001 χ^2 /NDF: 23.7/35

In: 87.122 $\pm$ 23.193 χ^2 /NDF:23.5/30

Out: 44.346 $\pm$ 23.257 χ^2 /NDF:44.1/33

All: 65.792 $\pm$ 16.423 χ^2 /NDF: 69.3/64

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 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: 85.953 $\pm$ 0.019 χ^2 /NDF:248641.5/13

Left: 86.520 $\pm$ 0.013 χ^2 /NDF: 464517.5/28

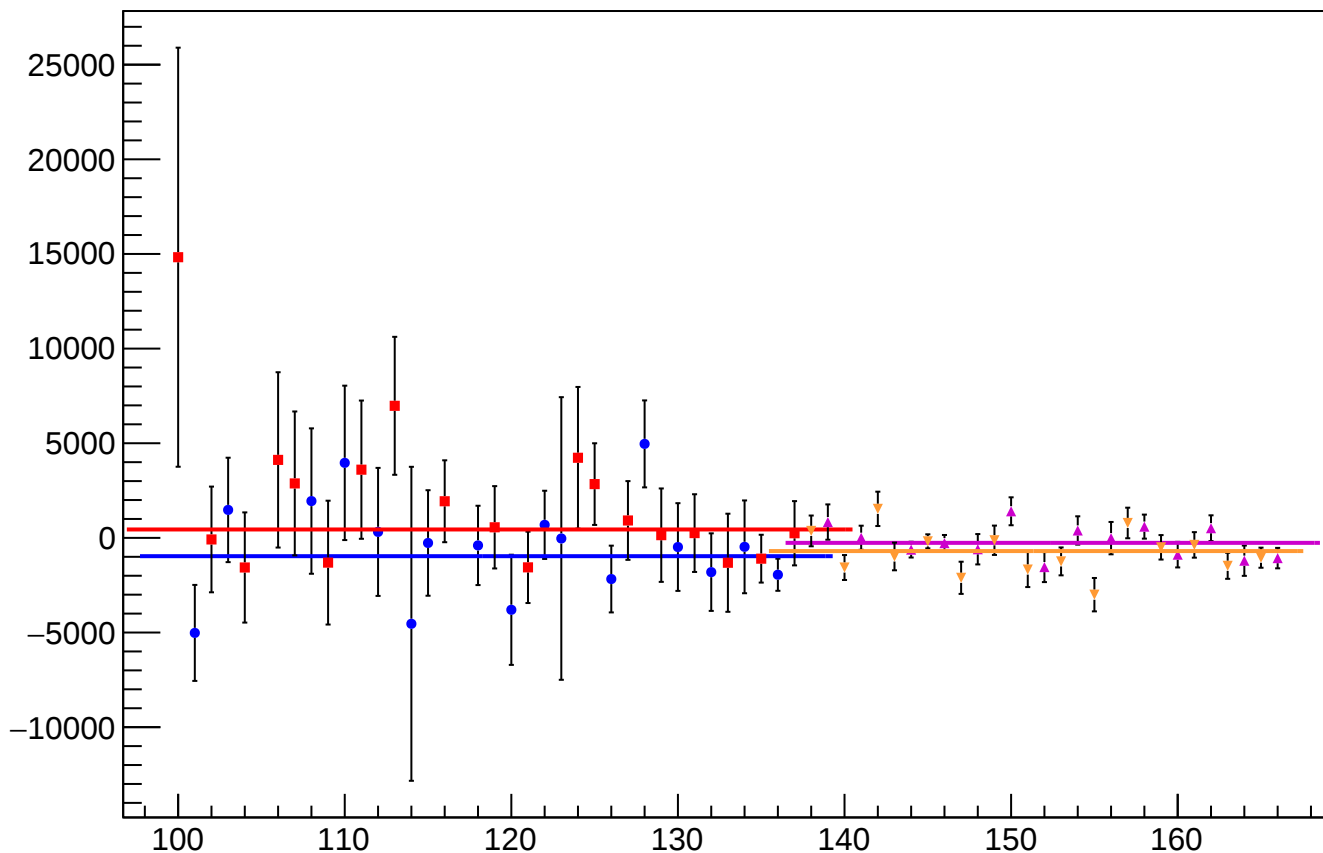
Right: 122.974 $\pm$ 0.025 χ^2 /NDF: 2455600.4/35

In: 93.669 $\pm$ 0.016 χ^2 /NDF:2132324.1/30

Out: 95.427 $\pm$ 0.016 χ^2 /NDF:2473906.7/33

All: 94.546 $\pm$ 0.012 χ^2 /NDF: 4611955.0/64

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



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: -262.463+/-169.743 χ^2/NDF : 18.6/13

Left: -475.270+/-121.255 χ^2/NDF : 50.6/28

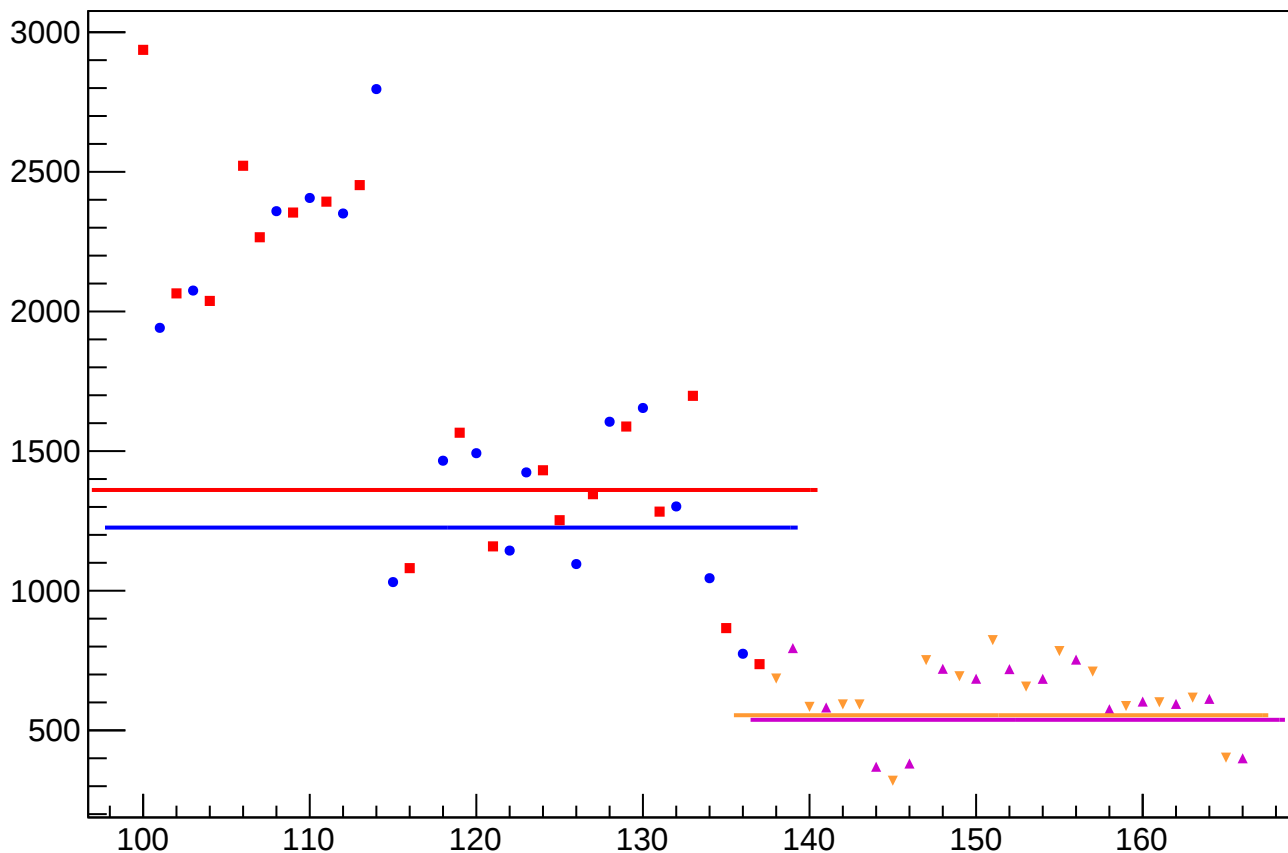
Right: -305.110+/-373.410 χ^2/NDF : 33.3/35

In: -332.107+/-161.130 χ^2/NDF : 36.7/30

Out: -592.365+/-165.138 χ^2/NDF : 46.2/33

All: -459.039+/-115.327 χ^2/NDF : 84.1/64

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135 $\pm$ 0.362 χ^2/NDF : 1756323.1/16

Left Out: 554.162 $\pm$ 0.123 χ^2/NDF : 1651104.1/14

Right Out: 1360.770 $\pm$ 0.386 χ^2/NDF : 1749074.9/18

Left In: 537.716 $\pm$ 0.120 χ^2/NDF : 1430010.9/13

Left: 545.770 $\pm$ 0.086 χ^2/NDF : 3090308.5/28

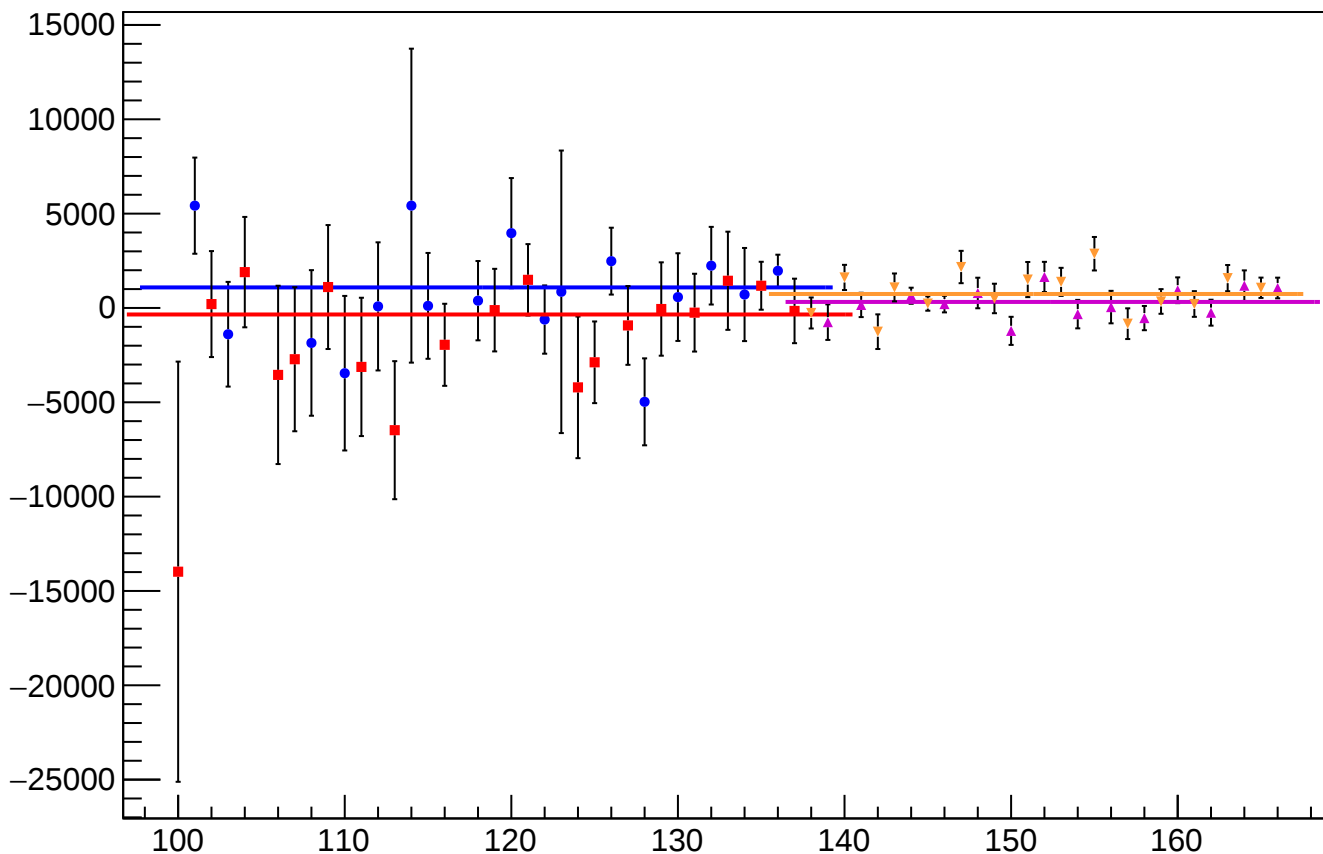
Right: 1289.252 $\pm$ 0.264 χ^2/NDF : 3570145.2/35

In: 605.807 $\pm$ 0.114 χ^2/NDF : 6440109.3/30

Out: 628.118 $\pm$ 0.117 χ^2/NDF : 7373993.6/33

All: 616.688 $\pm$ 0.082 χ^2/NDF : 13832805.2/64

asym_sam_26_avg_mean vs Slug, Sign Corrected



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: 318.902 $\pm$ 172.196 χ^2 /NDF:16.4/13

Left: 525.503 $\pm$ 122.986 χ^2 /NDF: 45.9/28

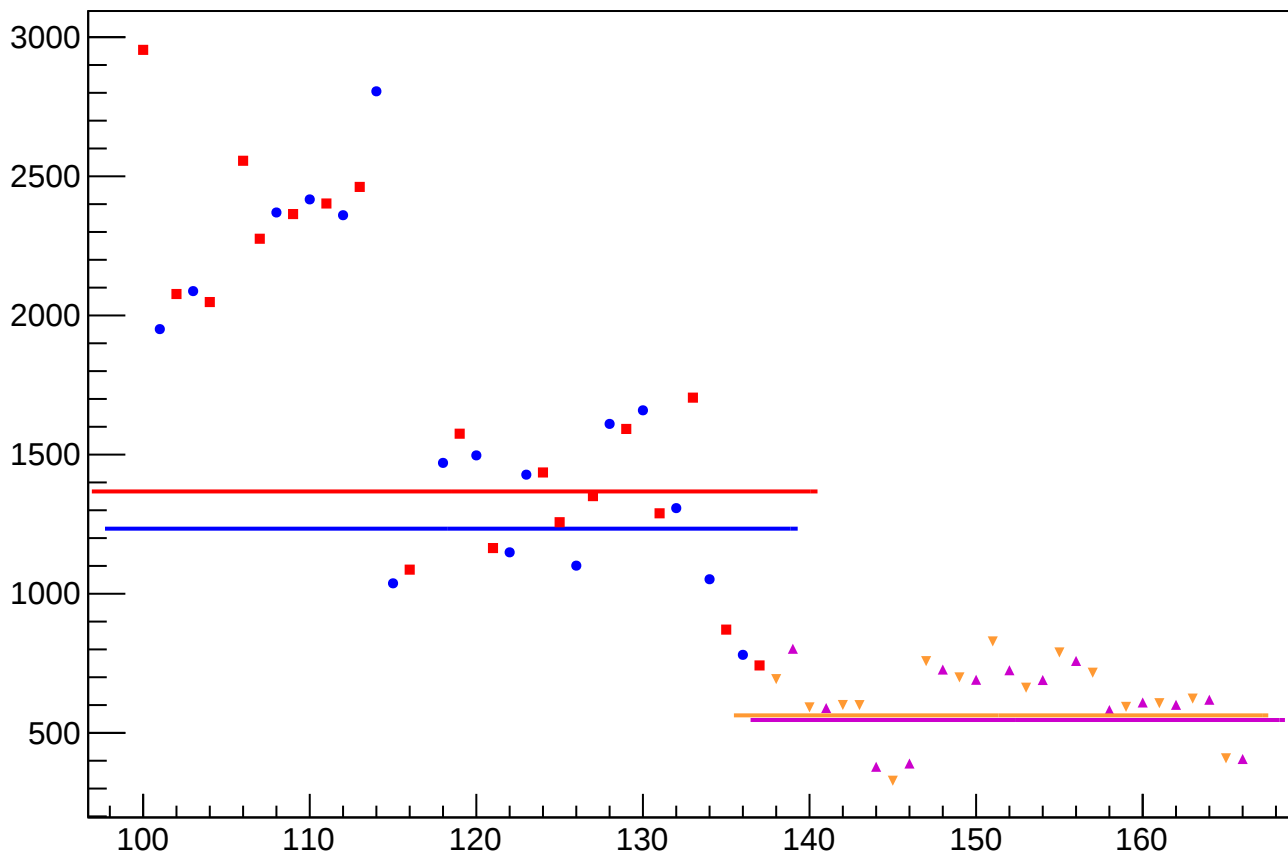
Right: 416.082 $\pm$ 375.451 χ^2 /NDF: 33.1/35

In: 396.272 $\pm$ 163.317 χ^2 /NDF:35.4/30

Out: 639.427 $\pm$ 167.329 χ^2 /NDF:42.6/33

All: 514.900 $\pm$ 116.875 χ^2 /NDF: 79.1/64

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863 $\pm$ 0.364 χ^2 /NDF: 1744048.5/16

Left Out: 563.023 $\pm$ 0.124 χ^2 /NDF:1577875.7/14

Right Out: 1367.609 $\pm$ 0.388 χ^2 /NDF: 1744594.4/18

Left In: 546.348 $\pm$ 0.122 χ^2 /NDF:1371829.6/13

Left: 554.517 $\pm$ 0.087 χ^2 /NDF: 2958892.8/28

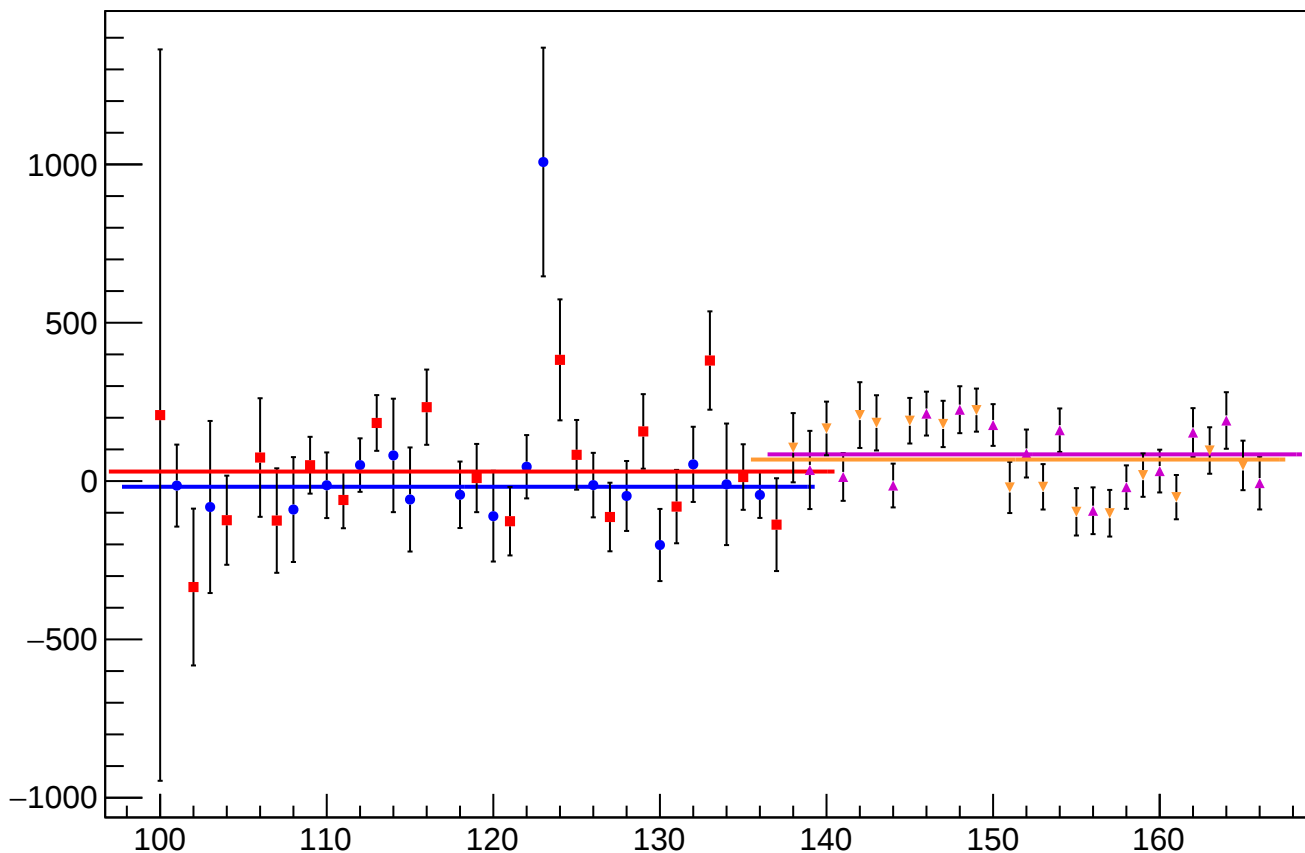
Right: 1296.600 $\pm$ 0.265 χ^2 /NDF: 3551849.9/35

In: 615.416 $\pm$ 0.115 χ^2 /NDF:6318762.9/30

Out: 637.986 $\pm$ 0.118 χ^2 /NDF:7229412.3/33

All: 626.427 $\pm$ 0.083 χ^2 /NDF: 13566811.5/64

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



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: 84.326±19.956 χ^2/NDF :25.5/13

Left: 76.138±14.097 χ^2/NDF : 57.8/28

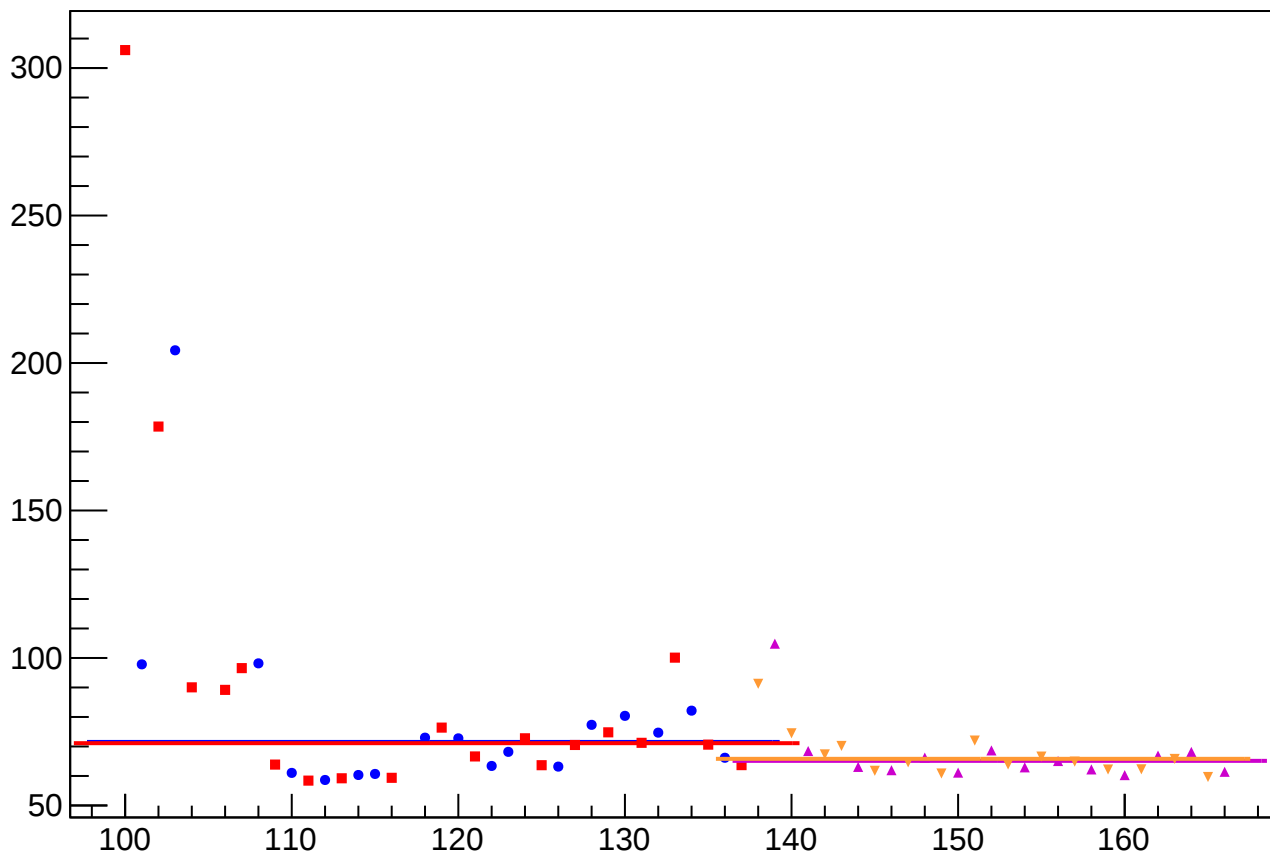
Right: 6.786±20.083 χ^2/NDF : 42.2/35

In: 51.216±16.412 χ^2/NDF :47.4/30

Out: 55.231±16.225 χ^2/NDF :60.6/33

All: 53.247±11.538 χ^2/NDF : 108.0/64

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 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: 65.123 $\pm$ 0.014 χ^2 /NDF:252196.3/13

Left: 65.466 $\pm$ 0.010 χ^2 /NDF: 442445.9/28

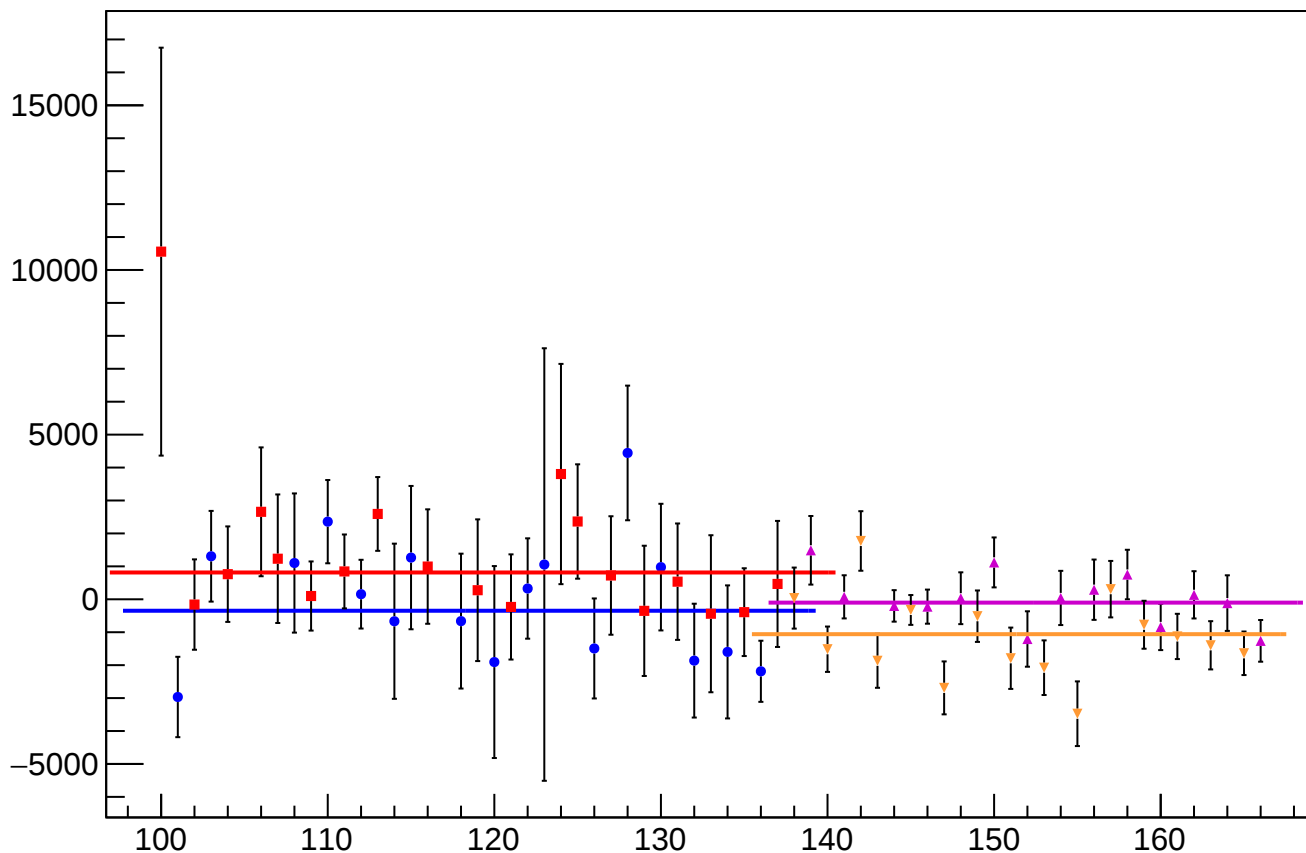
Right: 71.319 $\pm$ 0.014 χ^2 /NDF: 1524340.2/35

In: 67.198 $\pm$ 0.012 χ^2 /NDF:1078010.8/30

Out: 67.594 $\pm$ 0.011 χ^2 /NDF:1001968.7/33

All: 67.398 $\pm$ 0.008 χ^2 /NDF: 2080566.2/64

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939 ± 381.994 $\chi^2/\text{NDF}: 24.1/16$

Left Out: -1059.383 ± 191.714 $\chi^2/\text{NDF}: 31.7/14$

Right Out: 814.154 ± 369.807 $\chi^2/\text{NDF}: 10.5/18$

Left In: -101.373 ± 187.574 $\chi^2/\text{NDF}: 12.9/13$

Left: -569.921 ± 134.075 $\chi^2/\text{NDF}: 57.4/28$

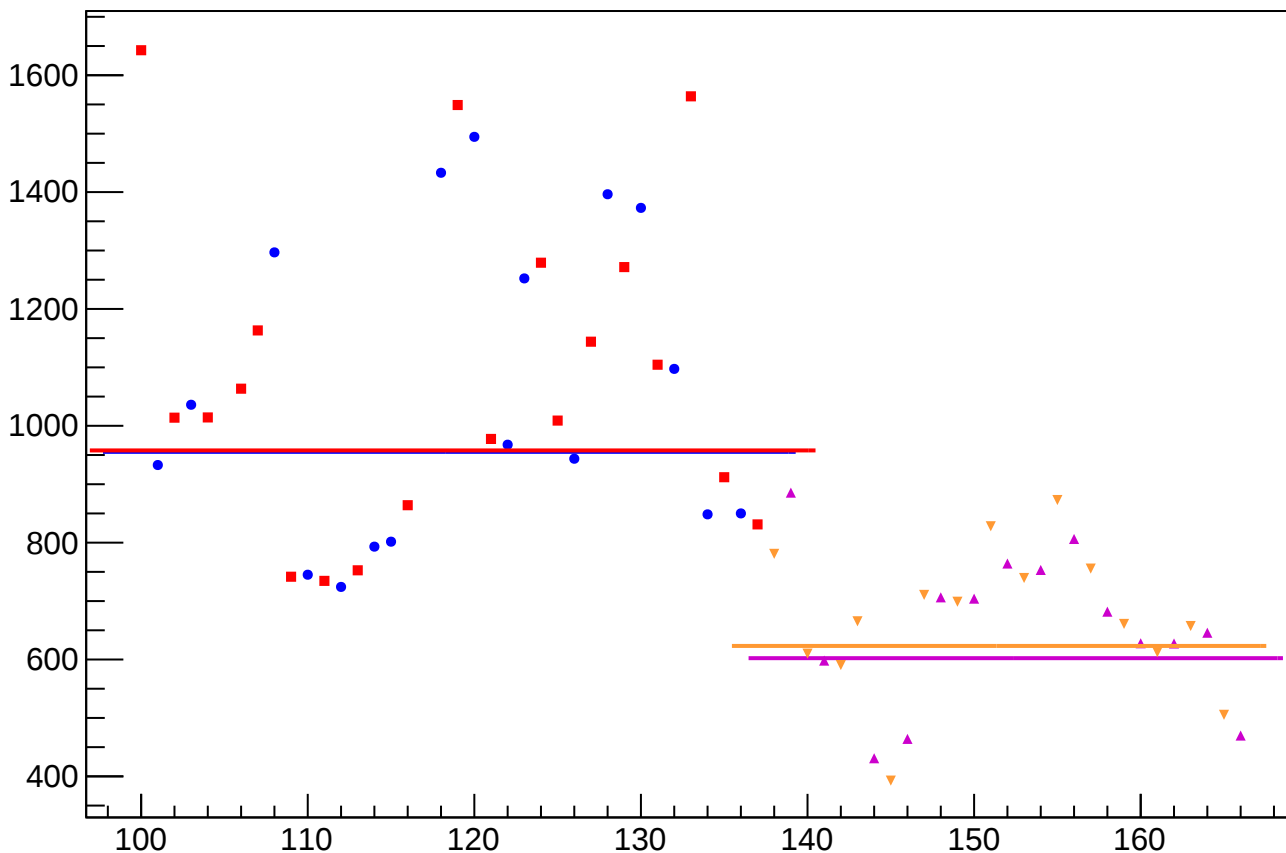
Right: 251.940 ± 265.697 $\chi^2/\text{NDF}: 39.3/35$

In: -149.275 ± 168.370 $\chi^2/\text{NDF}: 37.3/30$

Out: -662.518 ± 170.202 $\chi^2/\text{NDF}: 62.4/33$

All: -403.119 ± 119.698 $\chi^2/\text{NDF}: 104.4/64$

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 623.236+/-0.136 χ^2/NDF :1013842.0/14

Right Out: 957.849+/-0.261 χ^2/NDF : 693081.8/18

Left In: 602.284+/-0.133 χ^2/NDF :979203.6/13

Left: 612.531+/-0.095 χ^2/NDF : 2005250.5/28

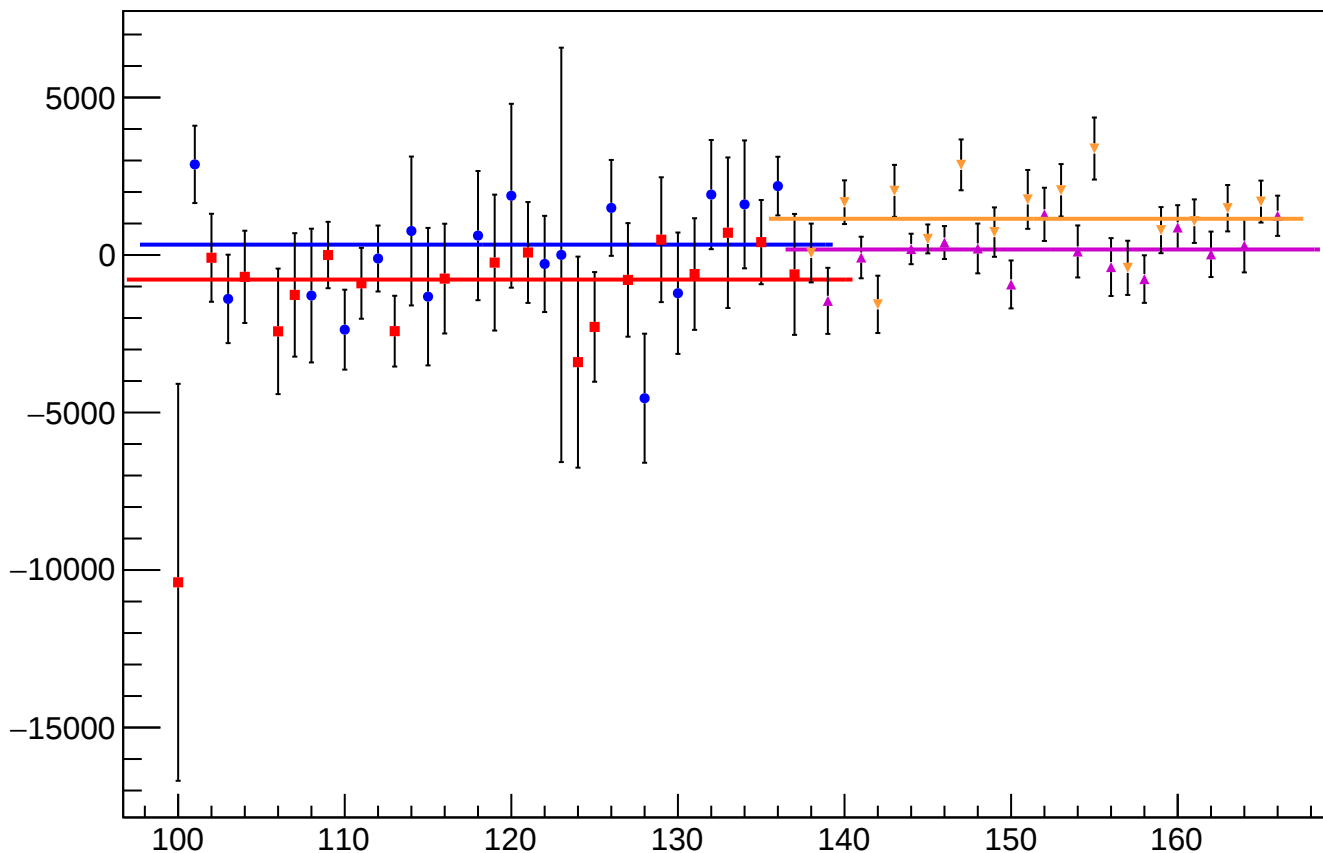
Right: 956.676+/-0.188 χ^2/NDF : 1339635.8/35

In: 670.891+/-0.119 χ^2/NDF :3002932.0/30

Out: 694.116+/-0.120 χ^2/NDF :2997506.4/33

All: 682.378+/-0.085 χ^2/NDF : 6019260.3/64

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 1149.911 $\pm$ 192.993 χ^2 /NDF:29.9/14

Right Out: -779.623 $\pm$ 371.673 χ^2 /NDF: 9.3/18

Left In: 175.606 $\pm$ 188.868 χ^2 /NDF:12.4/13

Left: 652.236 $\pm$ 134.984 χ^2 /NDF: 55.3/28

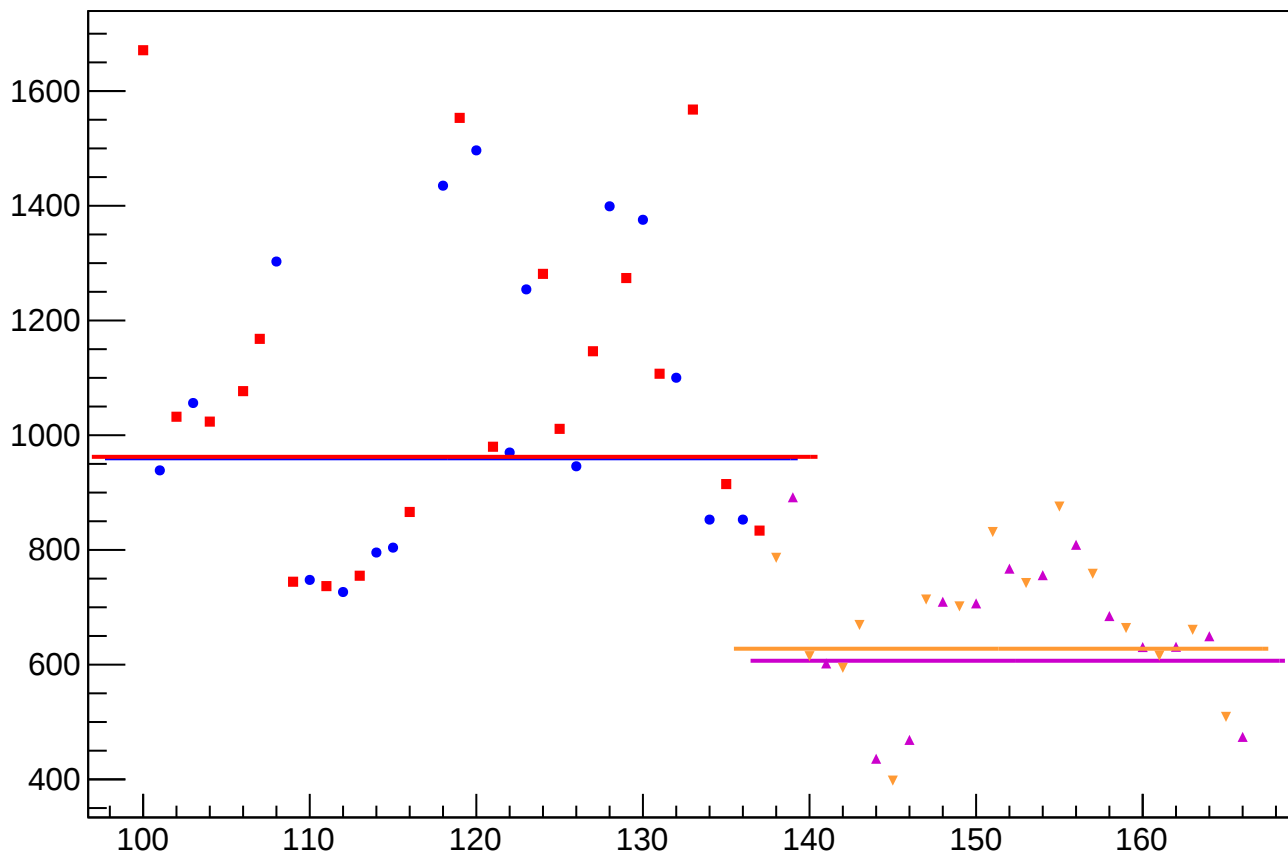
Right: -242.920 $\pm$ 266.973 χ^2 /NDF: 37.9/35

In: 205.551 $\pm$ 169.454 χ^2 /NDF:36.8/30

Out: 740.144 $\pm$ 171.279 χ^2 /NDF:60.4/33

All: 469.986 $\pm$ 120.462 χ^2 /NDF: 102.1/64

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 627.773+/-0.136 χ^2/NDF : 987165.3/14

Right Out: 962.314+/-0.263 χ^2/NDF : 695757.2/18

Left In: 606.790+/-0.134 χ^2/NDF : 956645.5/13

Left: 617.055+/-0.095 χ^2/NDF : 1955887.0/28

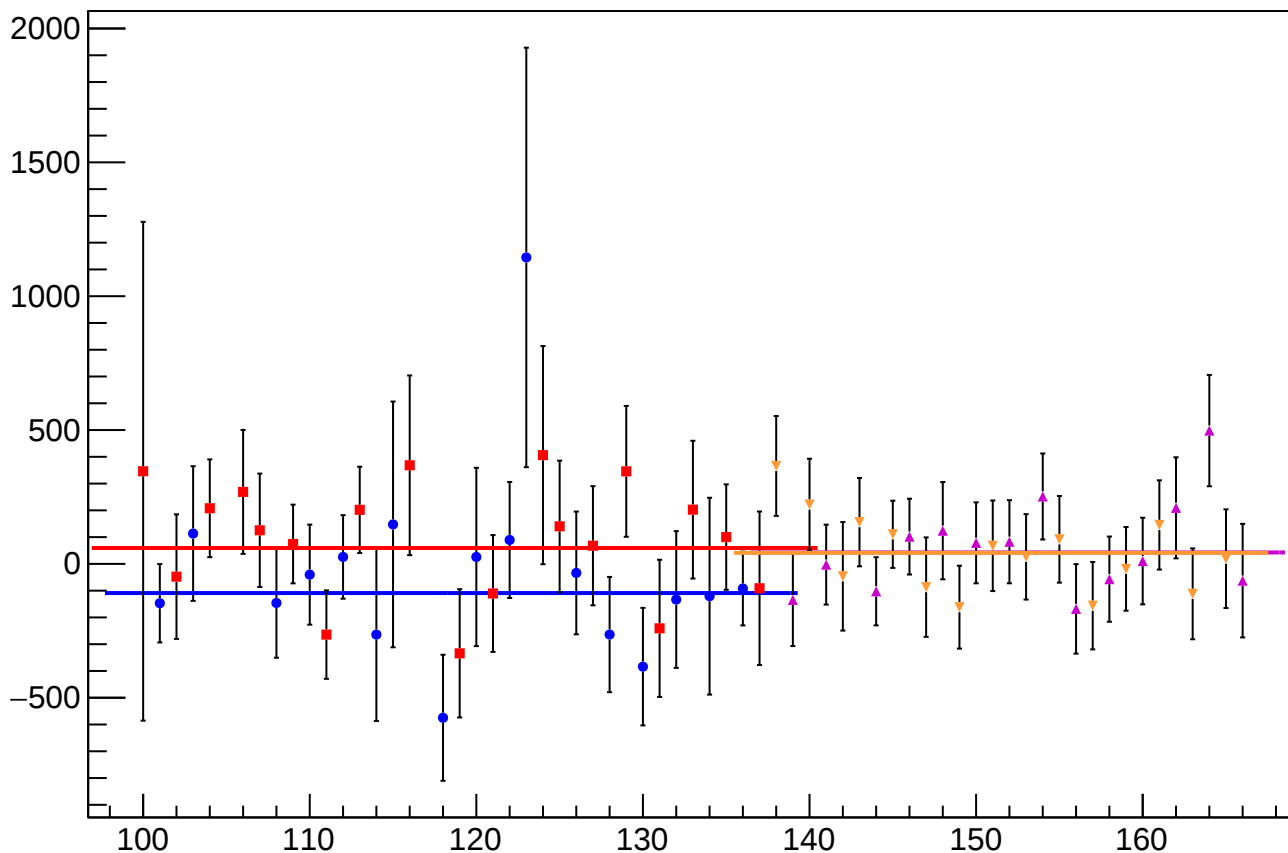
Right: 961.083+/-0.189 χ^2/NDF : 1342530.4/35

In: 675.625+/-0.120 χ^2/NDF : 2965676.6/30

Out: 698.818+/-0.121 χ^2/NDF : 2959159.0/33

All: 687.097+/-0.085 χ^2/NDF : 5943367.9/64

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



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: 42.701 ± 43.391 χ^2/NDF : 12.5/13

Left: 41.957 ± 30.428 χ^2/NDF : 22.7/28

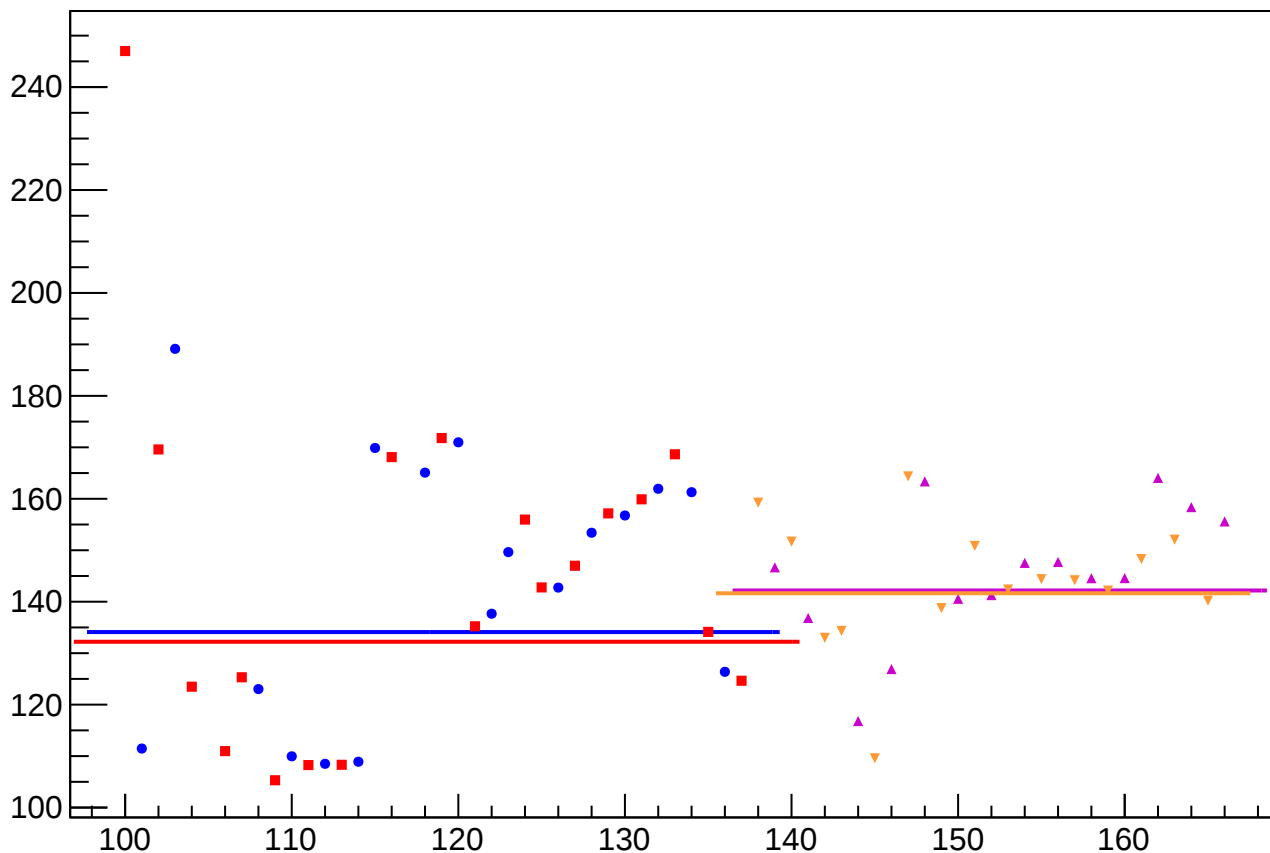
Right: -21.341 ± 36.657 χ^2/NDF : 32.2/35

In: -18.272 ± 33.555 χ^2/NDF : 29.4/30

Out: 48.779 ± 32.684 χ^2/NDF : 25.2/33

All: 16.135 ± 23.413 χ^2/NDF : 56.6/64

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 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: 142.181 $\pm$ 0.031 χ^2 /NDF:186407.7/13

Left: 141.906 $\pm$ 0.022 χ^2 /NDF: 397952.3/28

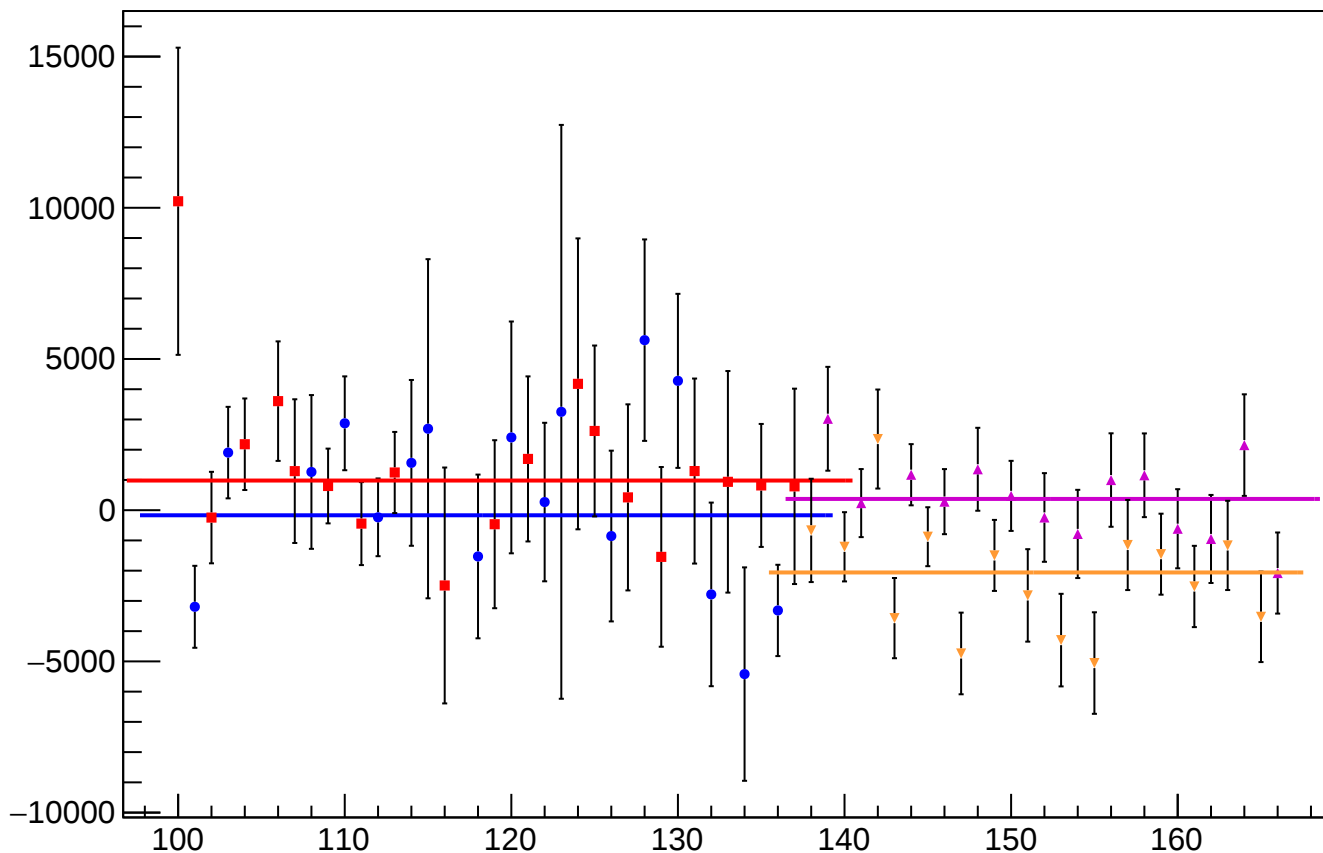
Right: 133.123 $\pm$ 0.026 χ^2 /NDF: 845638.9/35

In: 138.934 $\pm$ 0.024 χ^2 /NDF:616853.1/30

Out: 137.743 $\pm$ 0.023 χ^2 /NDF:693426.0/33

All: 138.323 $\pm$ 0.017 χ^2 /NDF: 1311570.9/64

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 $\pm$ 523.672 χ^2 /NDF: 25.3/16

Left Out: -2059.290 $\pm$ 352.447 χ^2 /NDF:23.0/14

Right Out: 980.517 $\pm$ 480.968 χ^2 /NDF: 10.2/18

Left In: 372.187 $\pm$ 351.616 χ^2 /NDF:10.7/13

Left: -840.681 $\pm$ 248.923 χ^2 /NDF: 57.5/28

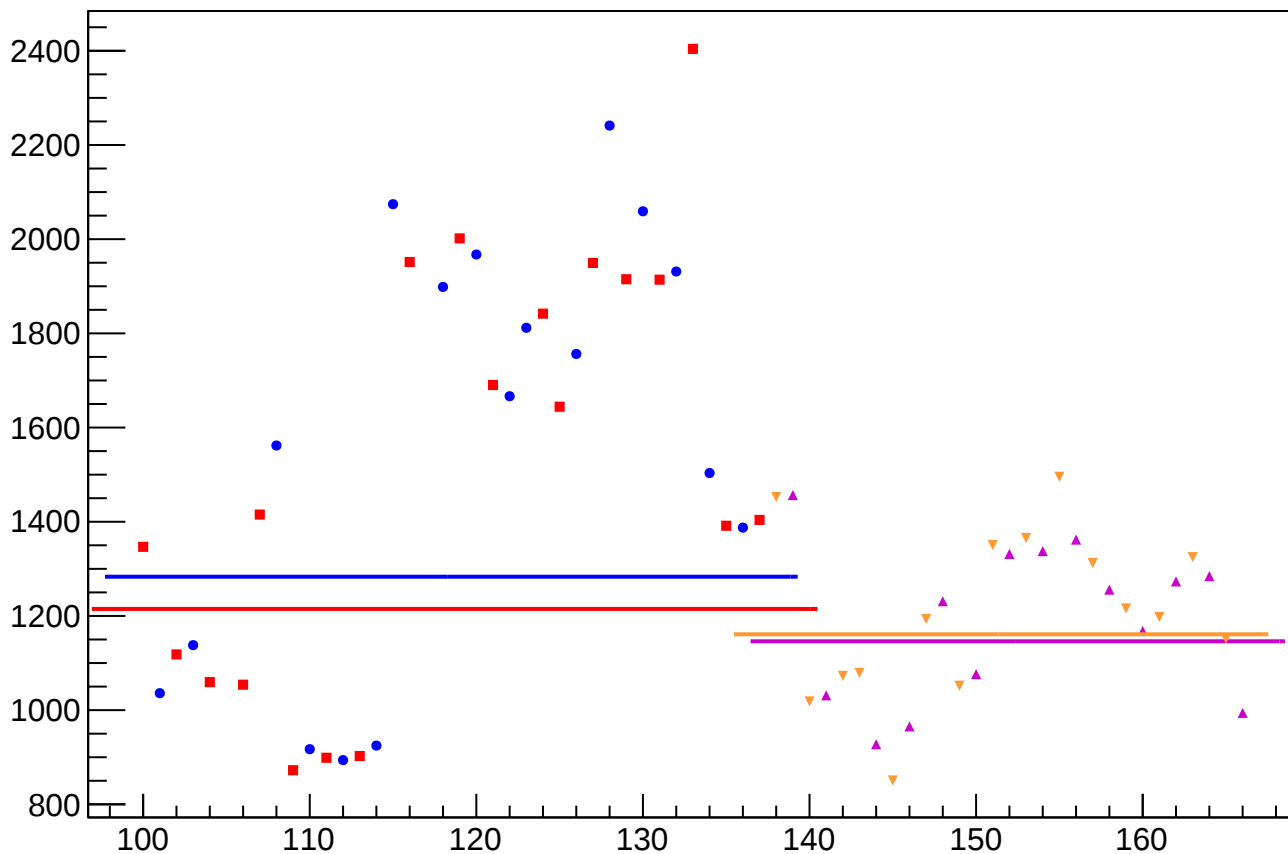
Right: 454.882 $\pm$ 354.232 χ^2 /NDF: 38.1/35

In: 204.255 $\pm$ 291.917 χ^2 /NDF:36.7/30

Out: -997.268 $\pm$ 284.289 χ^2 /NDF:59.2/33

All: -412.410 $\pm$ 203.666 χ^2 /NDF: 104.6/64

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



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: 1146.165+/-0.249 χ^2/NDF : 424028.6/13

Left: 1153.613+/-0.176 χ^2/NDF : 945858.7/28

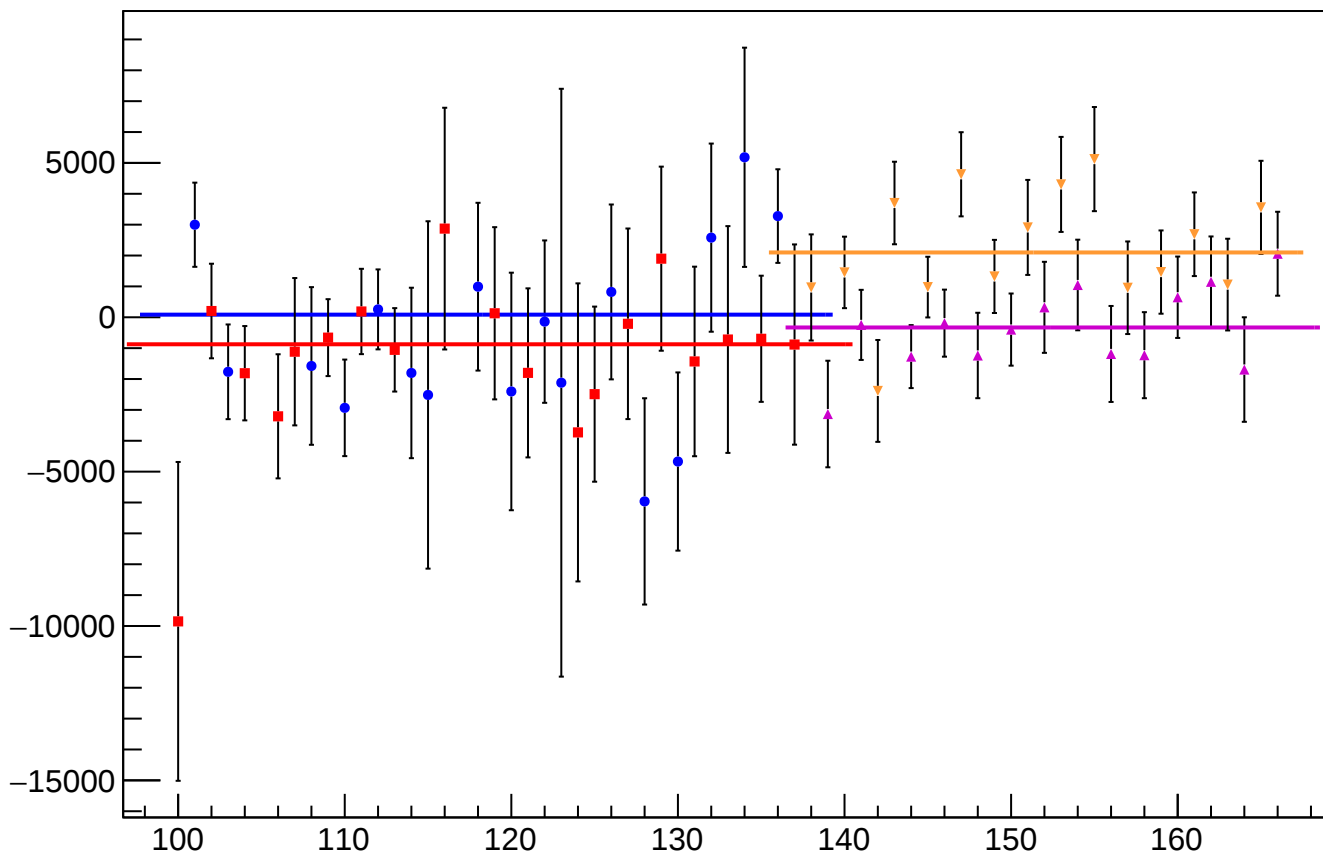
Right: 1246.197+/-0.250 χ^2/NDF : 2548819.1/35

In: 1188.784+/-0.206 χ^2/NDF : 1688018.9/30

Out: 1179.888+/-0.201 χ^2/NDF : 1897164.7/33

All: 1184.218+/-0.144 χ^2/NDF : 3586137.0/64

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 ± 527.082 $\chi^2/\text{NDF}: 24.7/16$

Left Out: 2099.547 ± 355.206 $\chi^2/\text{NDF}: 22.7/14$

Right Out: -874.592 ± 484.647 $\chi^2/\text{NDF}: 8.7/18$

Left In: -330.326 ± 354.485 $\chi^2/\text{NDF}: 11.0/13$

Left: 882.142 ± 250.913 $\chi^2/\text{NDF}: 57.2/28$

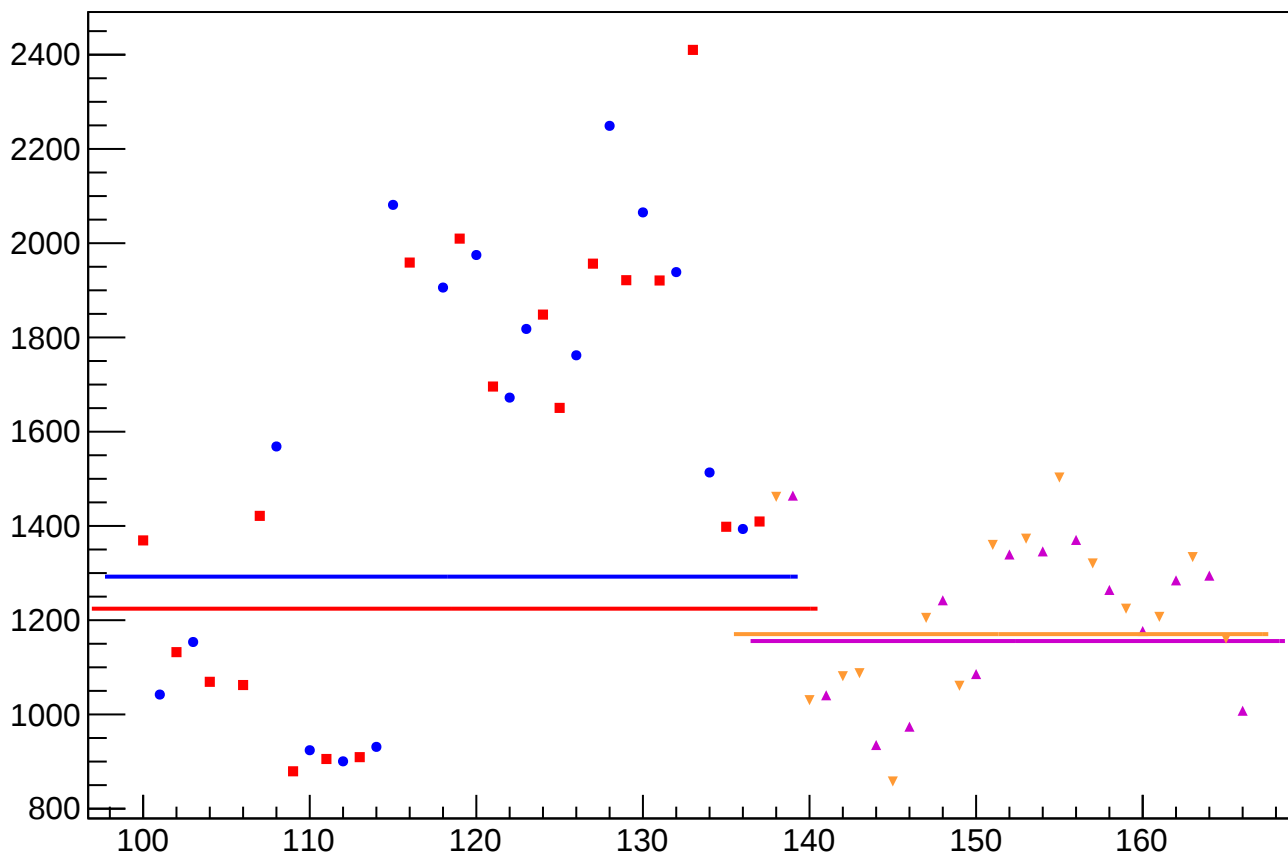
Right: -434.939 ± 356.757 $\chi^2/\text{NDF}: 35.2/35$

In: -200.952 ± 294.149 $\chi^2/\text{NDF}: 36.2/30$

Out: 1060.226 ± 286.497 $\chi^2/\text{NDF}: 55.9/33$

All: 446.256 ± 205.236 $\chi^2/\text{NDF}: 101.5/64$

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1170.434 $\pm$ 0.251 χ^2 /NDF: 512647.0/14

Right Out: 1224.429 $\pm$ 0.343 χ^2 /NDF: 1345748.2/18

Left In: 1155.753 $\pm$ 0.251 χ^2 /NDF: 416960.6/13

Left: 1163.078 $\pm$ 0.177 χ^2 /NDF: 931319.4/28

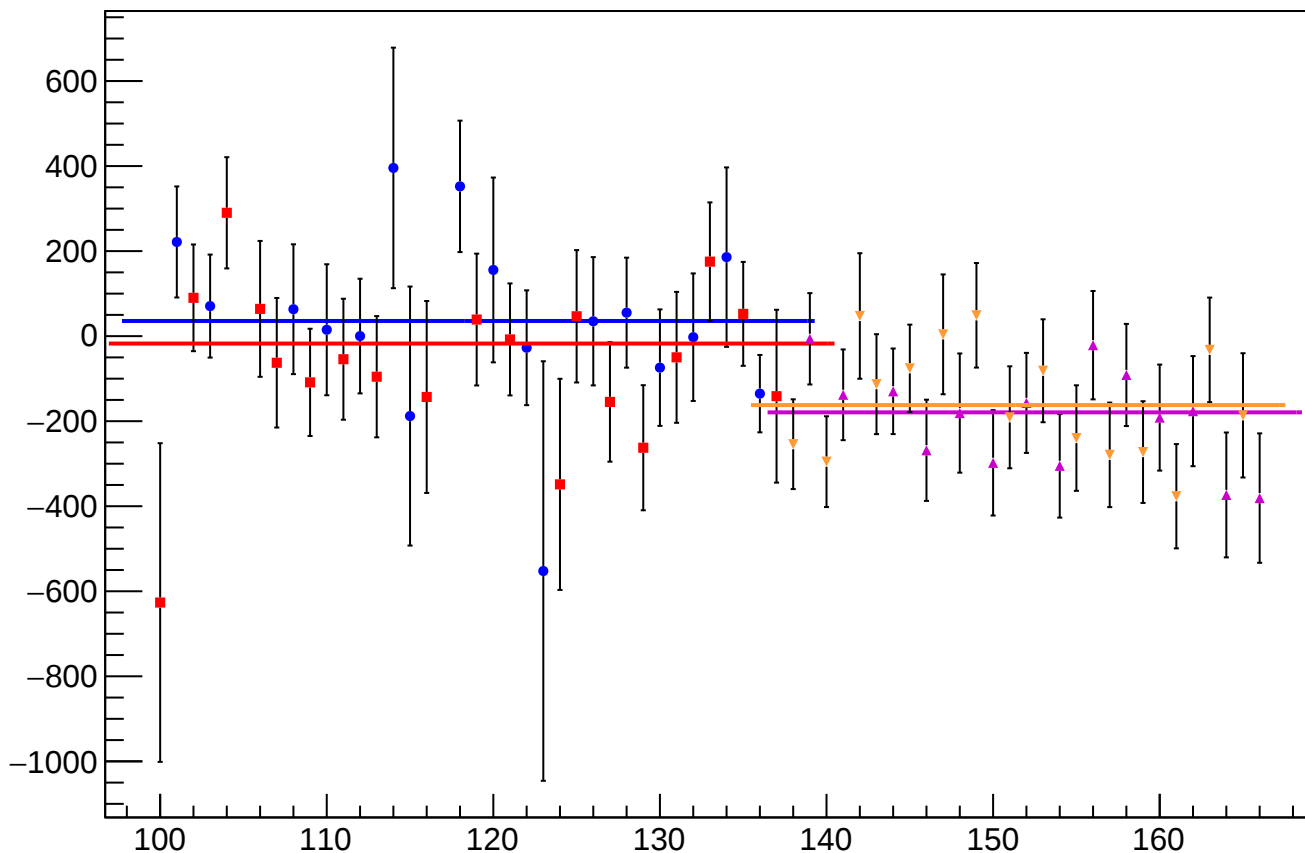
Right: 1255.580 $\pm$ 0.252 χ^2 /NDF: 2520360.3/35

In: 1198.319 $\pm$ 0.208 χ^2 /NDF: 1666129.6/30

Out: 1189.303 $\pm$ 0.203 χ^2 /NDF: 1874545.1/33

All: 1193.692 $\pm$ 0.145 χ^2 /NDF: 3541638.9/64

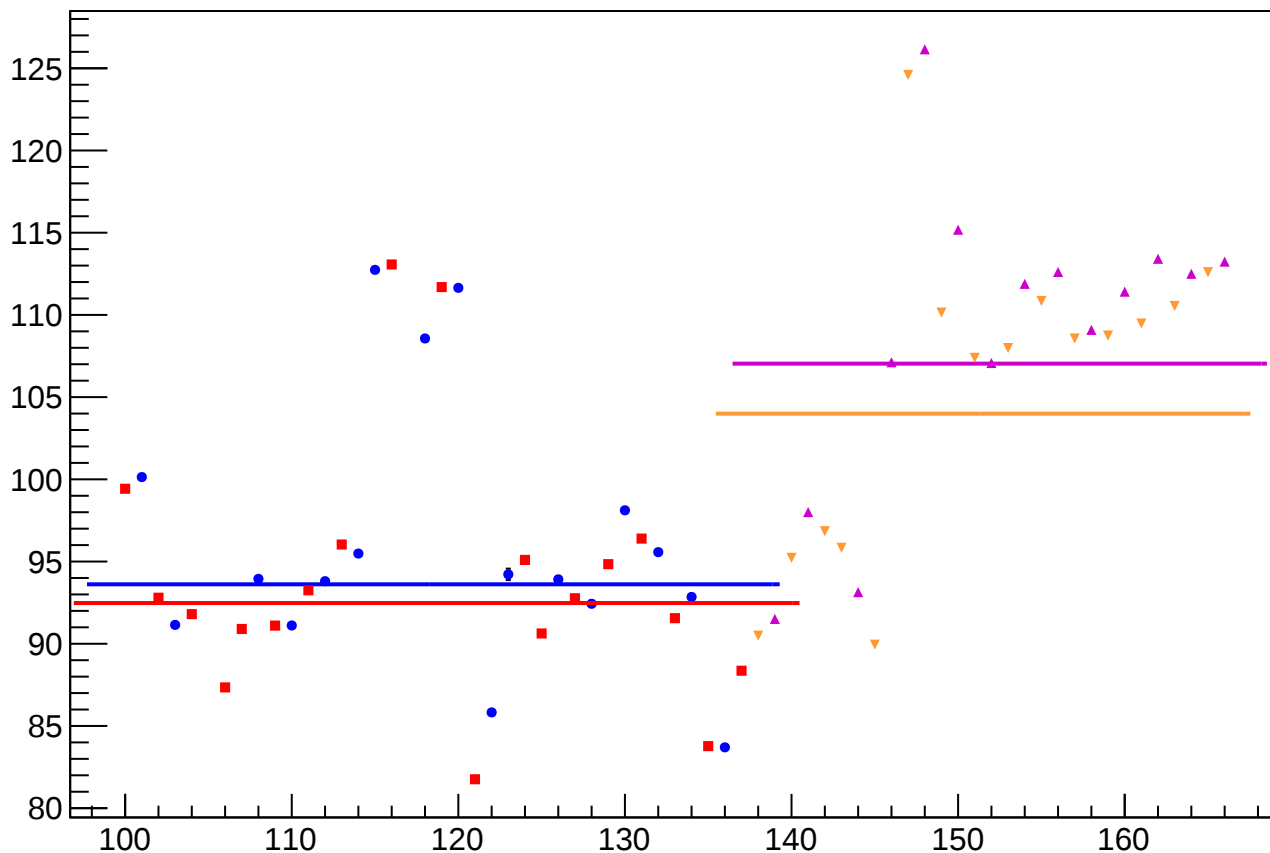
reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$
 Left Out: -162.105 ± 31.229 $\chi^2/\text{NDF}: 16.4/14$
 Right Out: -17.418 ± 34.691 $\chi^2/\text{NDF}: 18.9/18$
 Left In: -179.243 ± 32.548 $\chi^2/\text{NDF}: 11.2/13$

Left: -170.320 ± 22.534 $\chi^2/\text{NDF}: 27.7/28$
 Right: 7.891 ± 25.096 $\chi^2/\text{NDF}: 35.3/35$
 In: -83.607 ± 24.248 $\chi^2/\text{NDF}: 45.8/30$
 Out: -97.340 ± 23.210 $\chi^2/\text{NDF}: 44.9/33$
 All: -90.774 ± 16.767 $\chi^2/\text{NDF}: 91.0/64$

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



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: 107.036+/-0.023 χ^2/NDF : 161059.2/13

Left: 105.452+/-0.016 χ^2/NDF : 348313.9/28

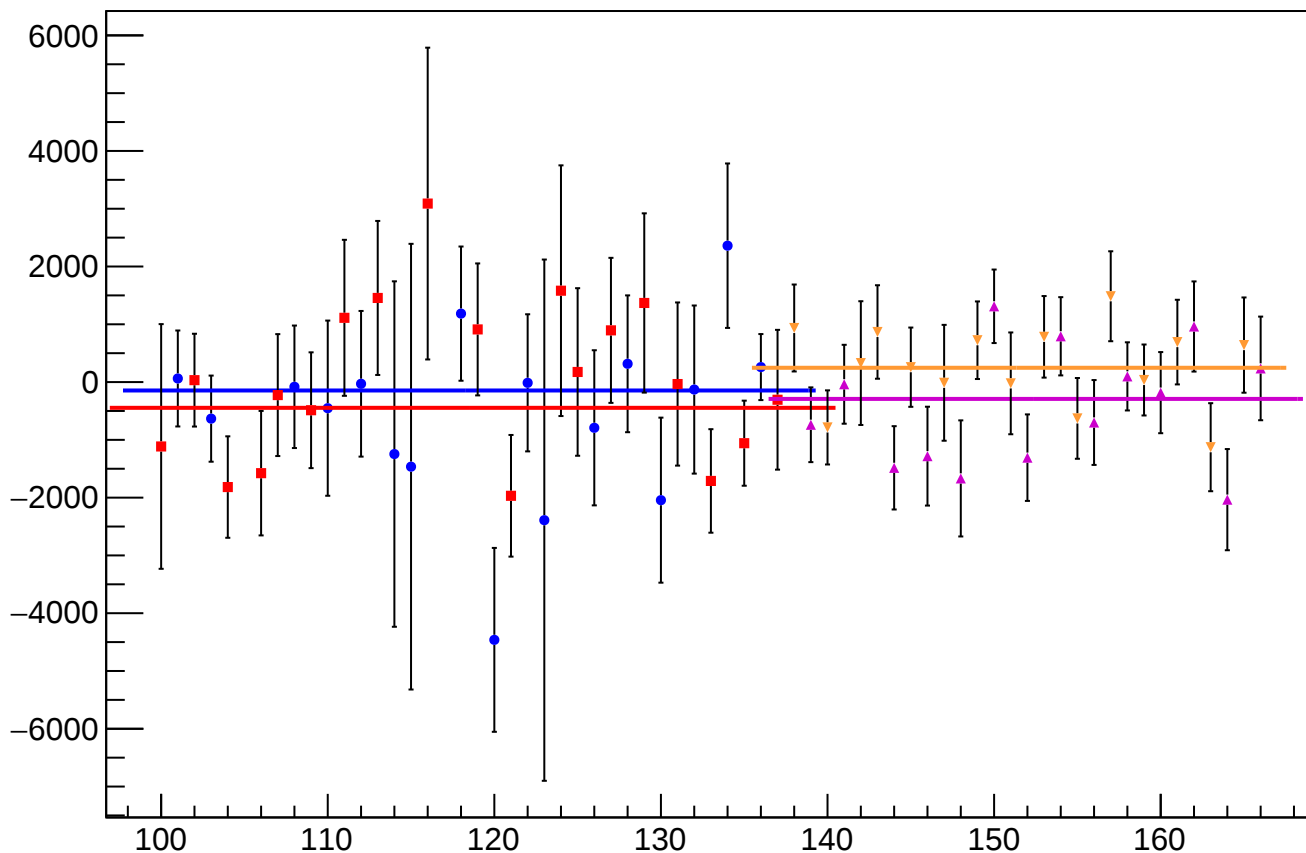
Right: 93.020+/-0.018 χ^2/NDF : 159546.8/35

In: 101.065+/-0.017 χ^2/NDF : 392293.7/30

Out: 98.839+/-0.016 χ^2/NDF : 378497.9/33

All: 99.903+/-0.012 χ^2/NDF : 779587.2/64

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 $\pm$ 276.629 χ^2 /NDF: 15.5/16

Left Out: 247.466 $\pm$ 193.738 χ^2 /NDF:13.3/14

Right Out: -445.575 $\pm$ 260.276 χ^2 /NDF: 19.0/18

Left In: -291.309 $\pm$ 195.353 χ^2 /NDF:25.0/13

Left: -19.684 $\pm$ 137.561 χ^2 /NDF: 42.2/28

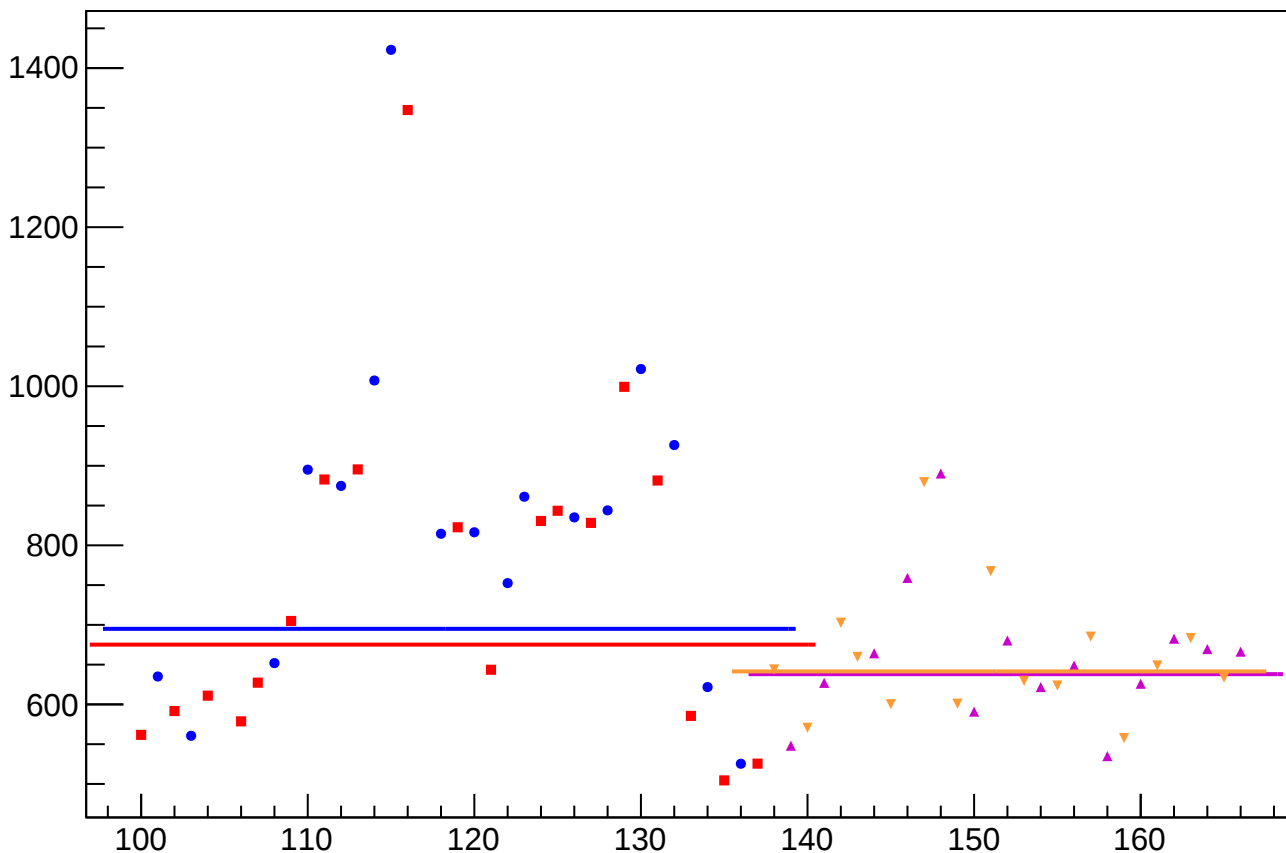
Right: -304.652 $\pm$ 189.560 χ^2 /NDF: 35.1/35

In: -242.778 $\pm$ 159.574 χ^2 /NDF:40.6/30

Out: 0.378 $\pm$ 155.410 χ^2 /NDF:36.9/33

All: -117.986 $\pm$ 111.335 χ^2 /NDF: 78.7/64

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 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: 638.020 $\pm$ 0.138 χ^2 /NDF: 299759.0/13

Left: 639.759 $\pm$ 0.097 χ^2 /NDF: 552093.2/28

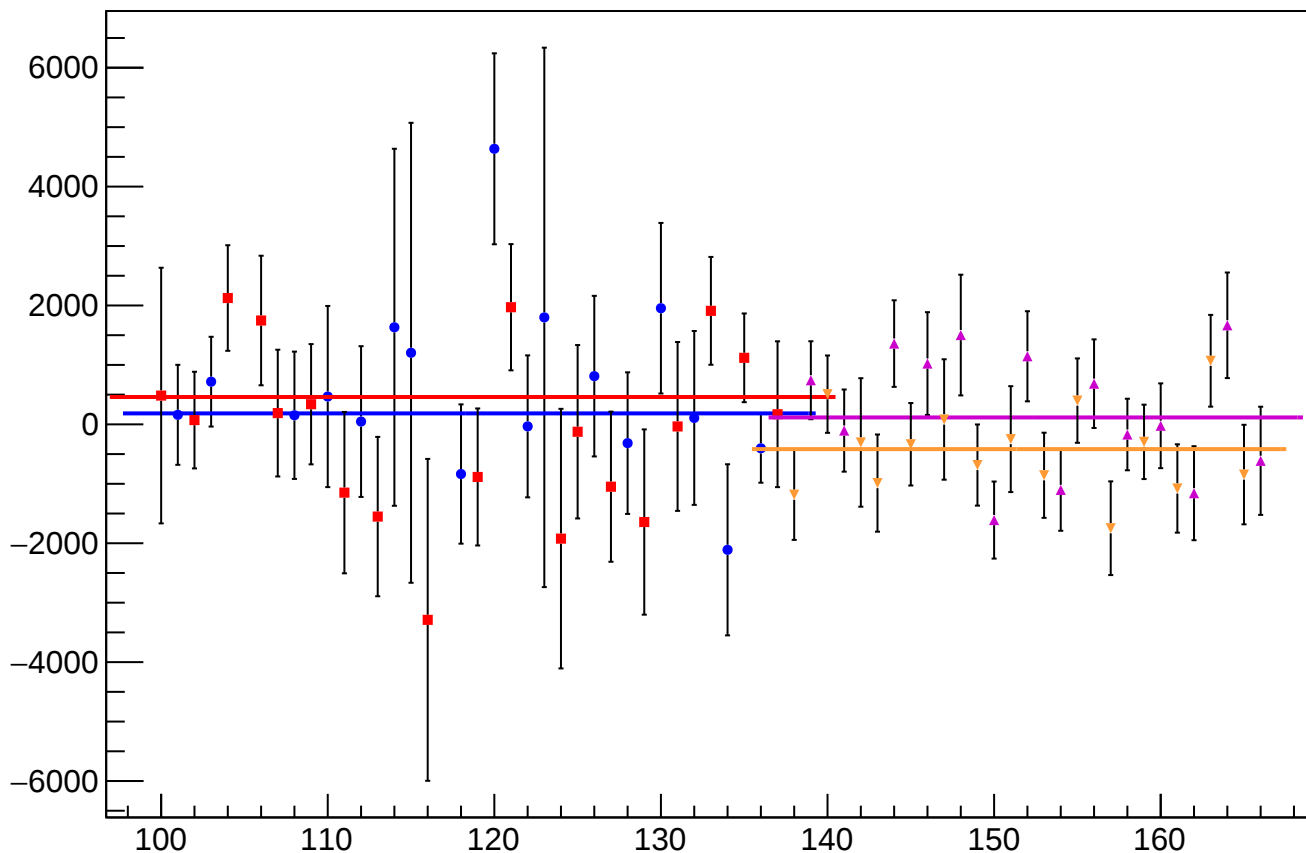
Right: 684.478 $\pm$ 0.134 χ^2 /NDF: 1359576.7/35

In: 656.985 $\pm$ 0.113 χ^2 /NDF: 1034117.8/30

Out: 653.478 $\pm$ 0.110 χ^2 /NDF: 949964.7/33

All: 655.185 $\pm$ 0.079 χ^2 /NDF: 1984578.5/64

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -416.219 $\pm$ 196.417 χ^2 /NDF:13.3/14

Right Out: 460.174 $\pm$ 262.960 χ^2 /NDF: 22.3/18

Left In: 116.390 $\pm$ 198.239 χ^2 /NDF:26.1/13

Left: -152.374 $\pm$ 139.527 χ^2 /NDF: 43.1/28

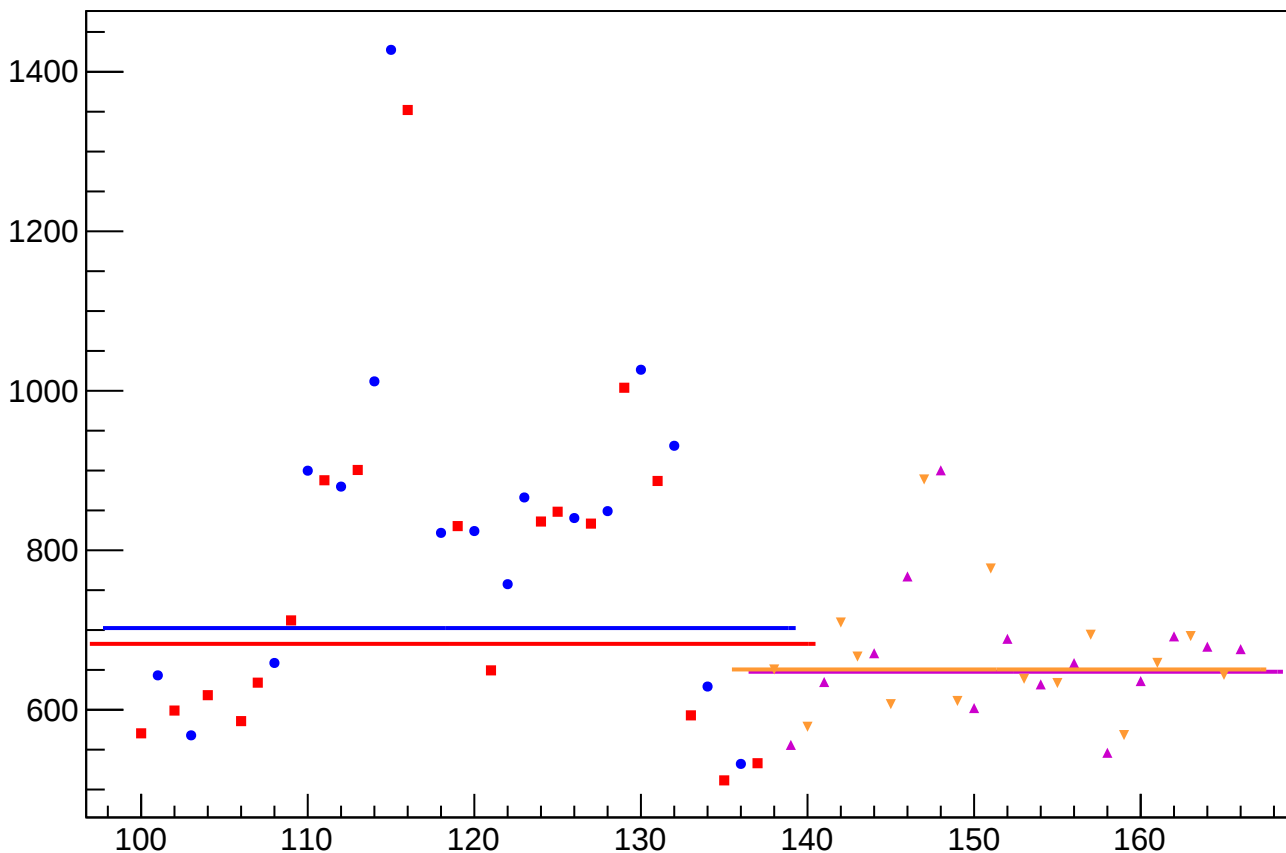
Right: 330.689 $\pm$ 191.486 χ^2 /NDF: 37.7/35

In: 139.204 $\pm$ 161.676 χ^2 /NDF:41.1/30

Out: -102.364 $\pm$ 157.364 χ^2 /NDF:42.8/33

All: 15.156 $\pm$ 112.767 χ^2 /NDF: 85.0/64

asym_sam_15_dd_rms vs Slug, Sign Corrected



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: 647.698+/-0.140 χ^2/NDF : 289422.6/13

Left: 649.144+/-0.099 χ^2/NDF : 535001.1/28

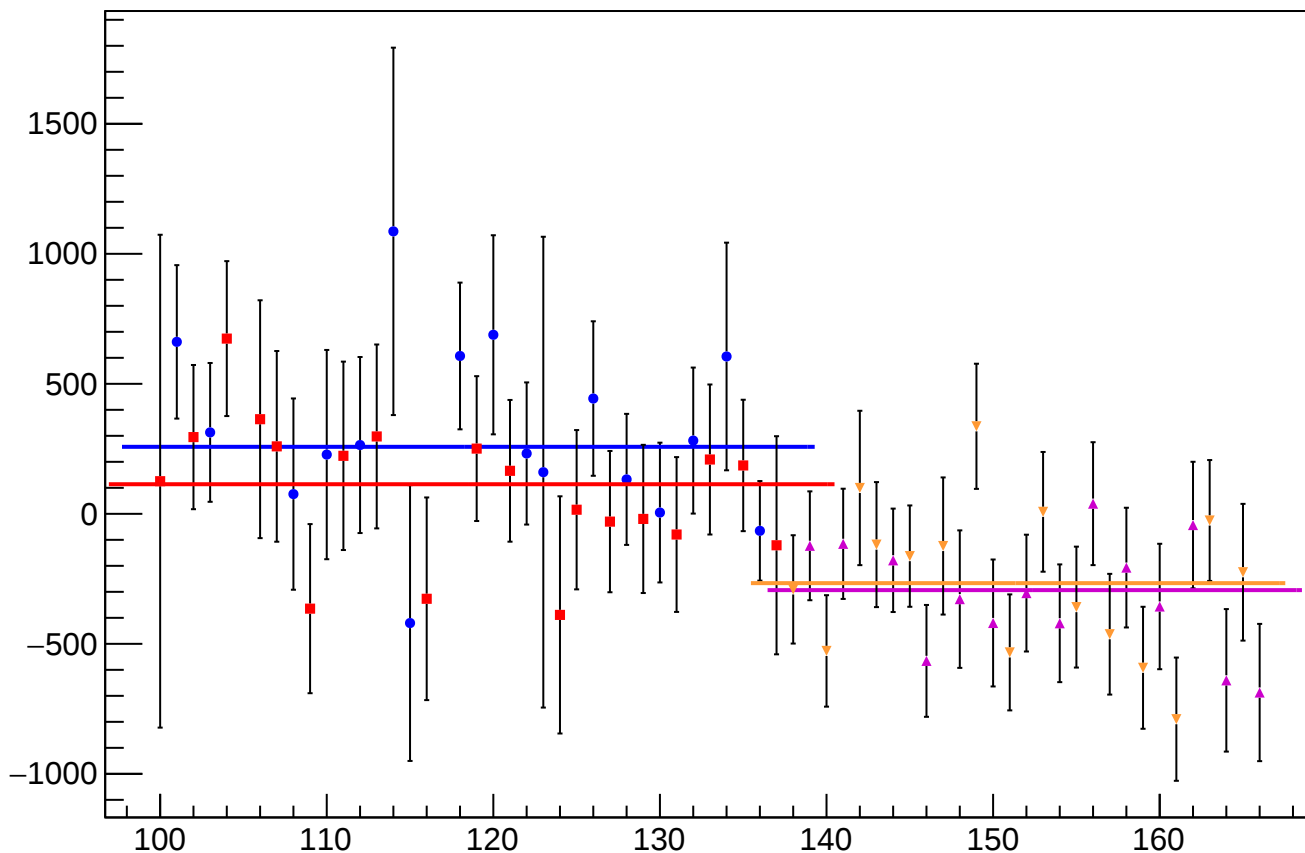
Right: 691.966+/-0.135 χ^2/NDF : 1325377.5/35

In: 666.039+/-0.114 χ^2/NDF : 1001071.1/30

Out: 662.058+/-0.111 χ^2/NDF : 924018.0/33

All: 663.995+/-0.080 χ^2/NDF : 1925711.7/64

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -266.574 $\pm$ 60.151 χ^2 /NDF:21.9/14

Right Out: 113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

Left In: -293.427 $\pm$ 61.912 χ^2 /NDF:11.0/13

Left: -279.613 $\pm$ 43.142 χ^2 /NDF: 32.9/28

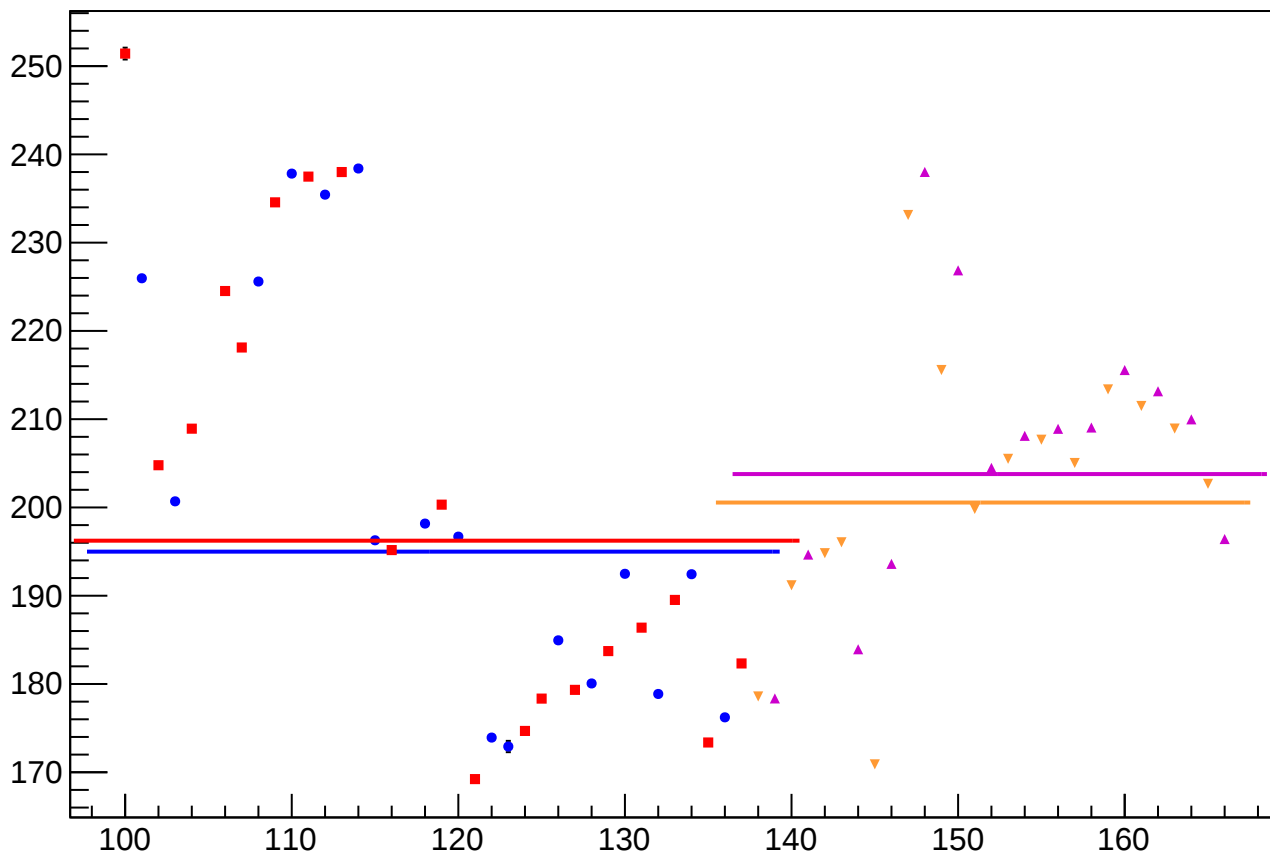
Right: 184.138 $\pm$ 53.073 χ^2 /NDF: 26.1/35

In: -73.333 $\pm$ 47.983 χ^2 /NDF:55.6/30

Out: -115.738 $\pm$ 46.729 χ^2 /NDF:49.0/33

All: -95.097 $\pm$ 33.477 χ^2 /NDF: 105.0/64

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 200.557 $\pm$ 0.043 χ^2 /NDF:128686.9/14

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

Left In: 203.782 $\pm$ 0.044 χ^2 /NDF:122034.5/13

Left: 202.123 $\pm$ 0.031 χ^2 /NDF: 253513.0/28

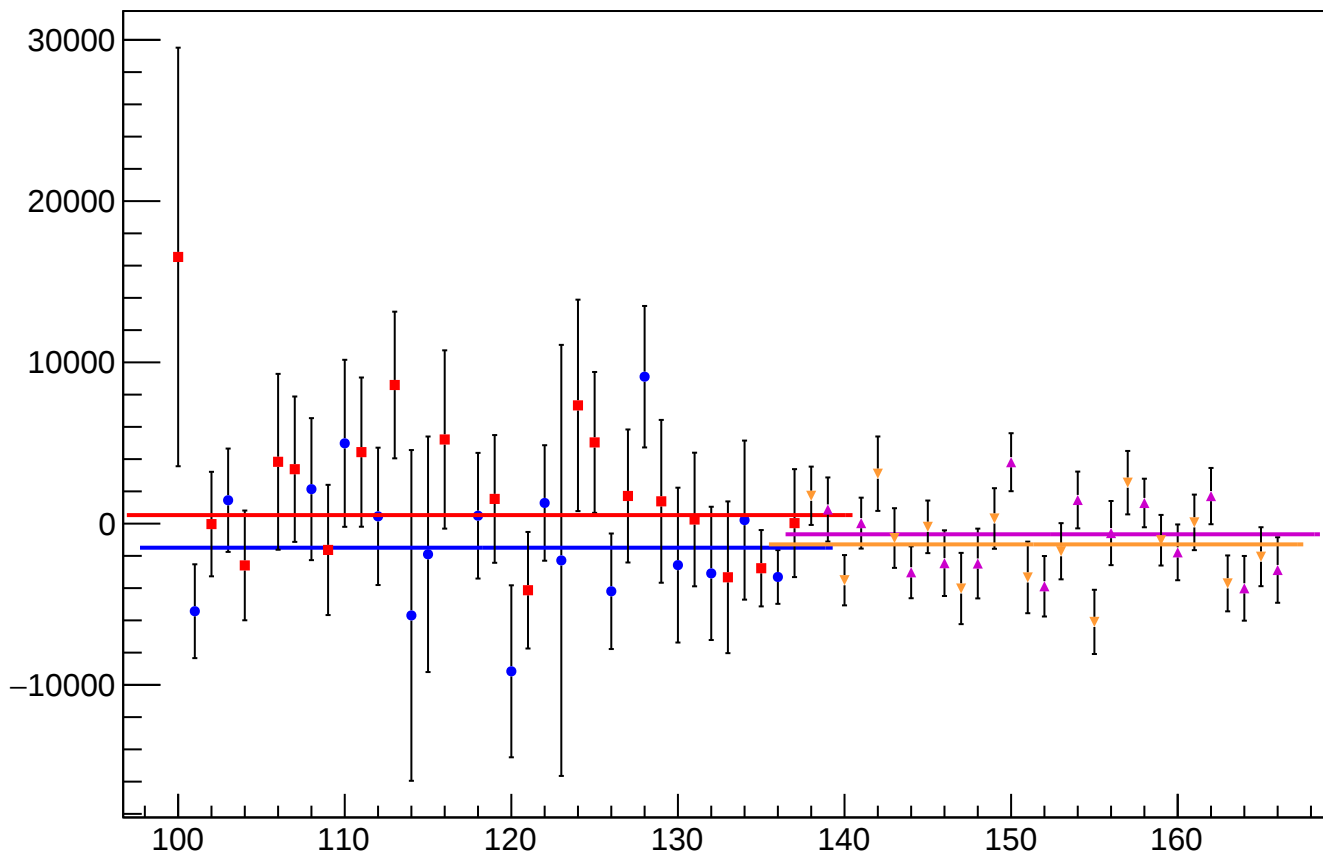
Right: 195.629 $\pm$ 0.038 χ^2 /NDF: 318035.8/35

In: 200.273 $\pm$ 0.034 χ^2 /NDF:282397.1/30

Out: 198.844 $\pm$ 0.033 χ^2 /NDF:306273.2/33

All: 199.539 $\pm$ 0.024 χ^2 /NDF: 589581.3/64

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



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: -661.170+/-484.610 χ^2/NDF : 22.9/13

Left: -981.936+/-338.299 χ^2/NDF : 48.2/28

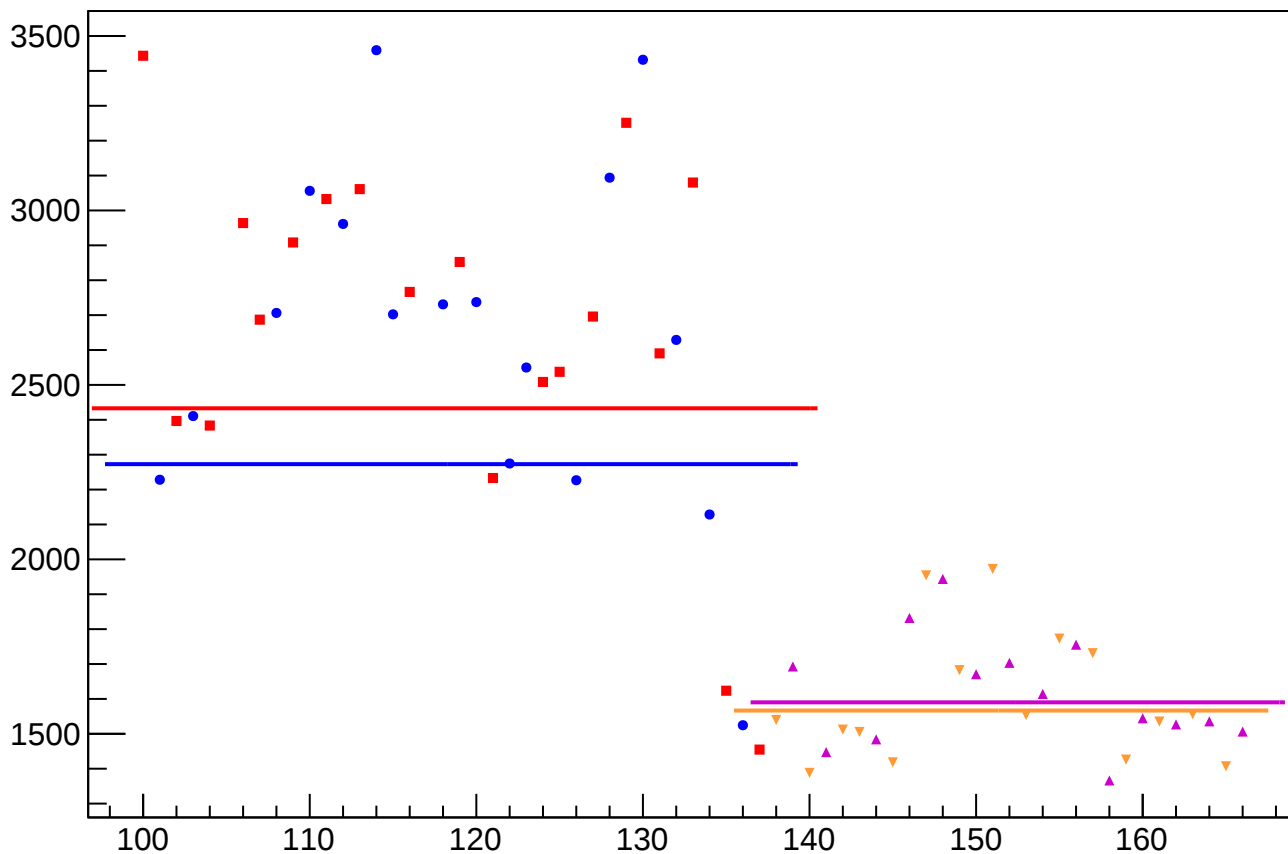
Right: -508.424+/-652.337 χ^2/NDF : 33.2/35

In: -844.754+/-427.824 χ^2/NDF : 39.7/30

Out: -917.353+/-421.668 χ^2/NDF : 42.1/33

All: -881.579+/-300.317 χ^2/NDF : 81.8/64

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



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: 1590.180+/-0.343 χ^2/NDF : 190598.9/13

Left: 1578.145+/-0.239 χ^2/NDF : 443153.9/28

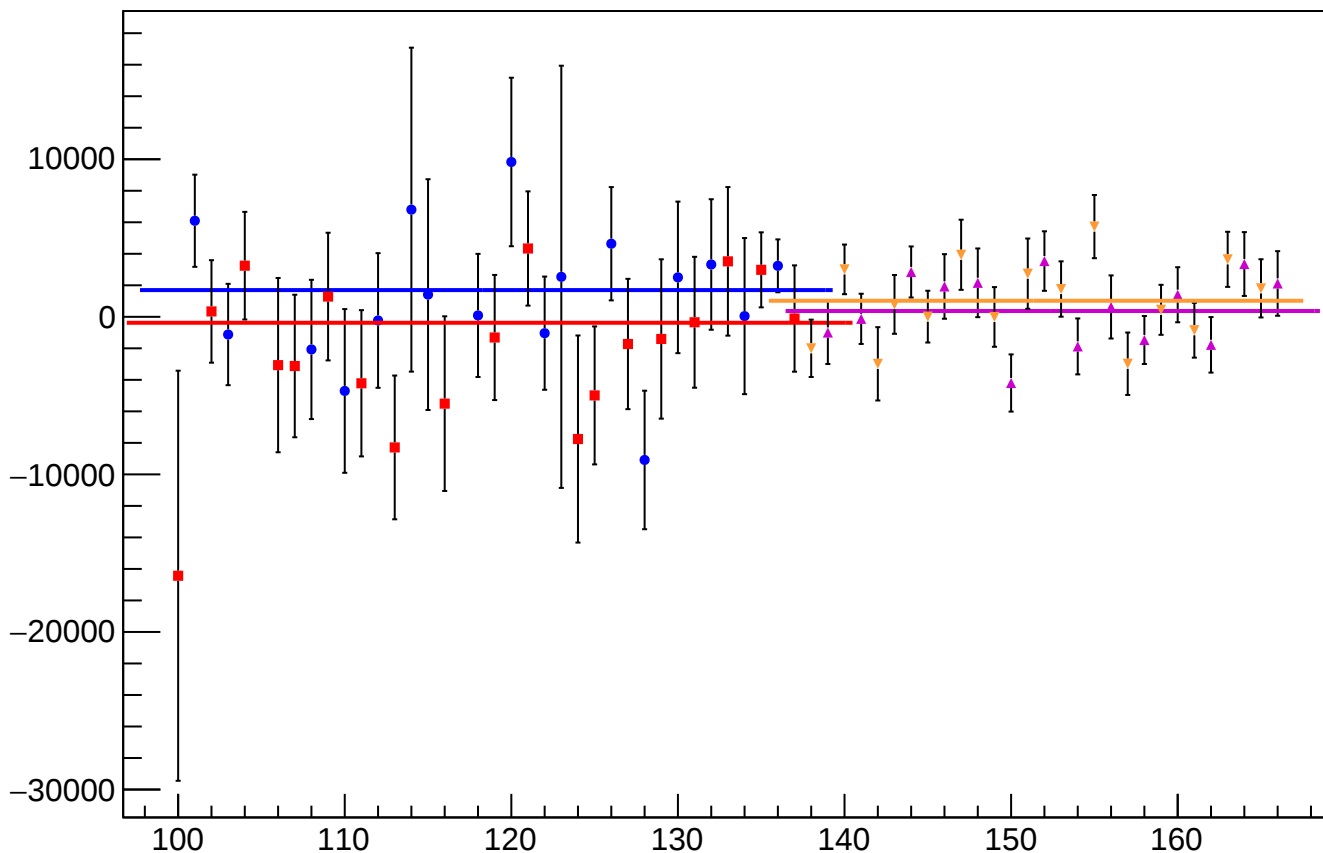
Right: 2350.846+/-0.461 χ^2/NDF : 1516518.2/35

In: 1740.801+/-0.303 χ^2/NDF : 1871965.1/30

Out: 1742.992+/-0.298 χ^2/NDF : 2299078.6/33

All: 1741.912+/-0.212 χ^2/NDF : 4171070.4/64

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 1019.040 $\pm$ 476.509 χ^2 /NDF:23.8/14

Right Out: -377.629 $\pm$ 938.528 χ^2 /NDF: 15.0/18

Left In: 369.241 $\pm$ 488.777 χ^2 /NDF:21.1/13

Left: 702.398 $\pm$ 341.197 χ^2 /NDF: 45.8/28

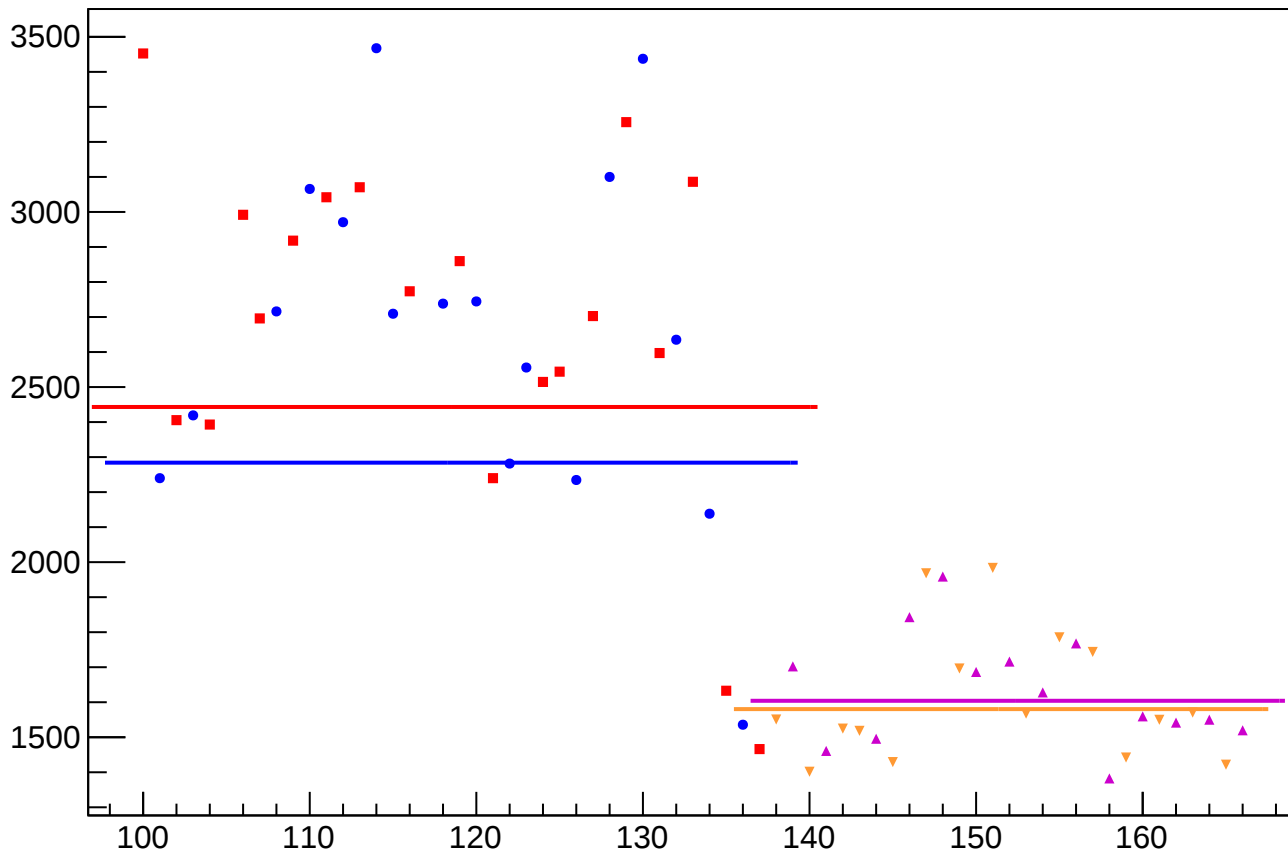
Right: 685.645 $\pm$ 655.109 χ^2 /NDF: 34.1/35

In: 663.848 $\pm$ 431.106 χ^2 /NDF:39.4/30

Out: 732.796 $\pm$ 424.883 χ^2 /NDF:40.5/33

All: 698.823 $\pm$ 302.614 χ^2 /NDF: 79.9/64

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 +/- 0.647 χ^2/NDF : 793993.4/16

Left Out: 1580.375 +/- 0.337 χ^2/NDF : 245456.8/14

Right Out: 2443.124 +/- 0.664 χ^2/NDF : 672899.9/18

Left In: 1604.124 +/- 0.346 χ^2/NDF : 185884.5/13

Left: 1591.947 +/- 0.241 χ^2/NDF : 433762.2/28

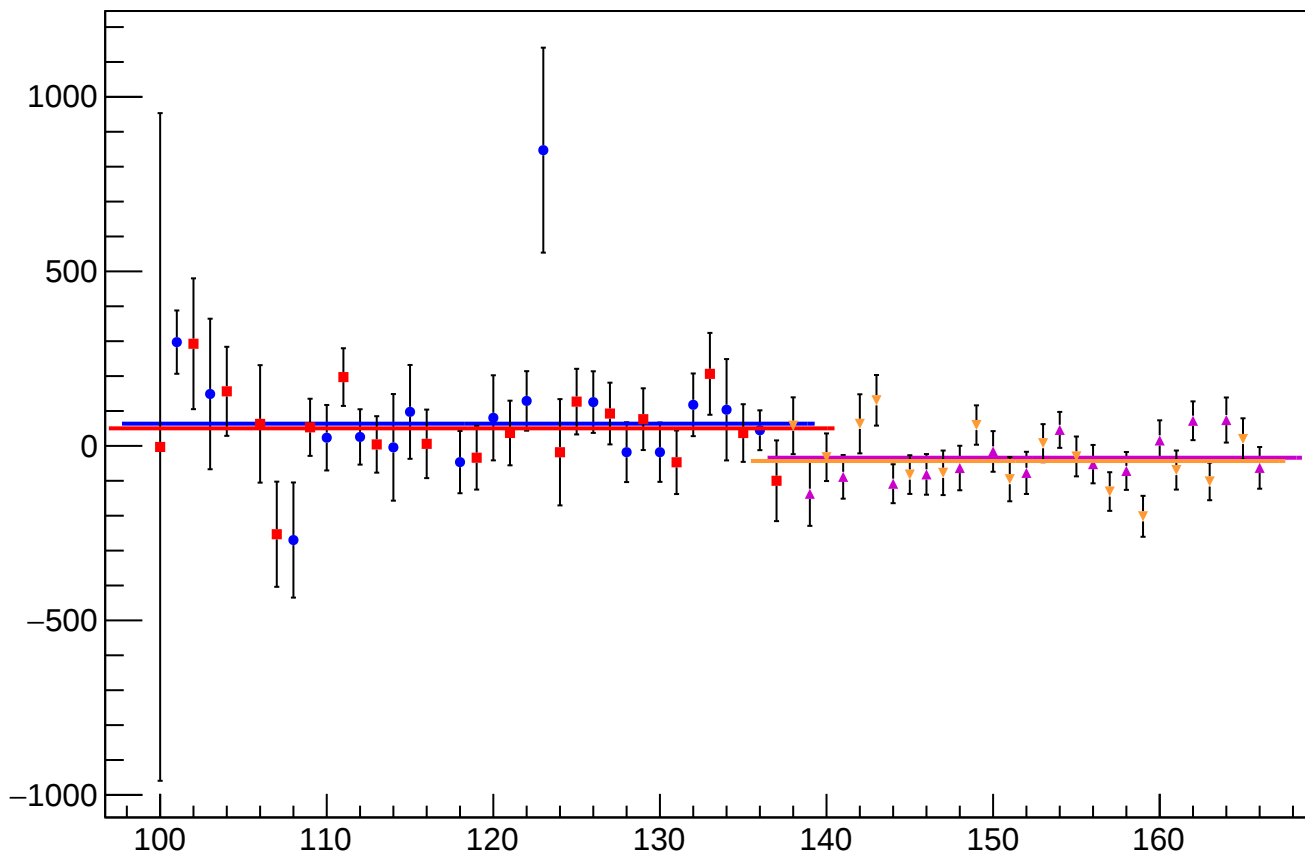
Right: 2361.583 +/- 0.463 χ^2/NDF : 1496334.9/35

In: 1755.118 +/- 0.305 χ^2/NDF : 1839415.8/30

Out: 1757.193 +/- 0.300 χ^2/NDF : 2262050.2/33

All: 1756.171 +/- 0.214 χ^2/NDF : 4101489.5/64

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -33.914 ± 15.817 χ^2/NDF : 15.7/13

Left: -38.634 ± 11.156 χ^2/NDF : 42.8/28

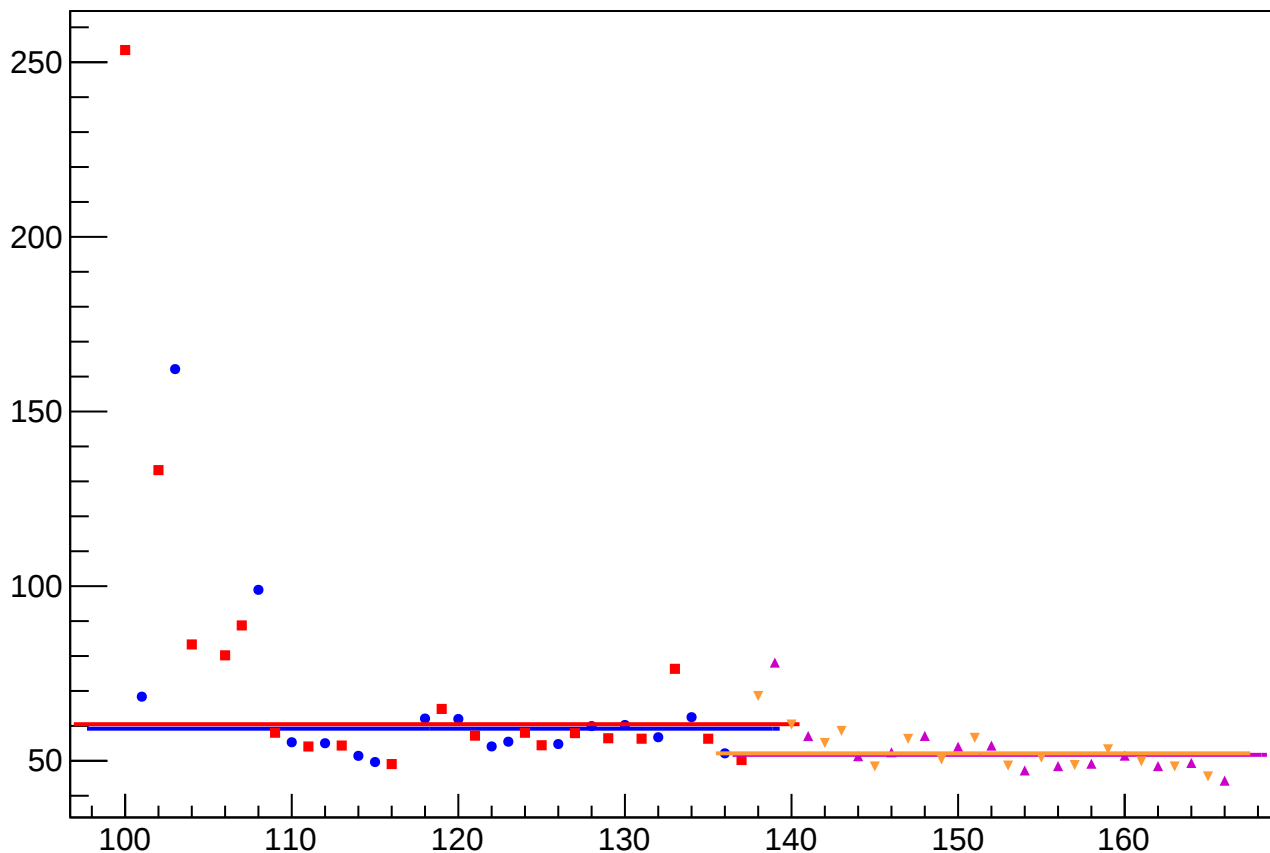
Right: 56.949 ± 16.760 χ^2/NDF : 40.6/35

In: -3.920 ± 13.163 χ^2/NDF : 51.1/30

Out: -14.604 ± 13.103 χ^2/NDF : 54.6/33

All: -9.287 ± 9.287 χ^2/NDF : 106.0/64

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 52.137+/-0.011 χ^2/NDF : 213384.3/14

Right Out: 60.483+/-0.017 χ^2/NDF : 680059.5/18

Left In: 51.712+/-0.011 χ^2/NDF : 267975.6/13

Left: 51.926+/-0.008 χ^2/NDF : 482087.8/28

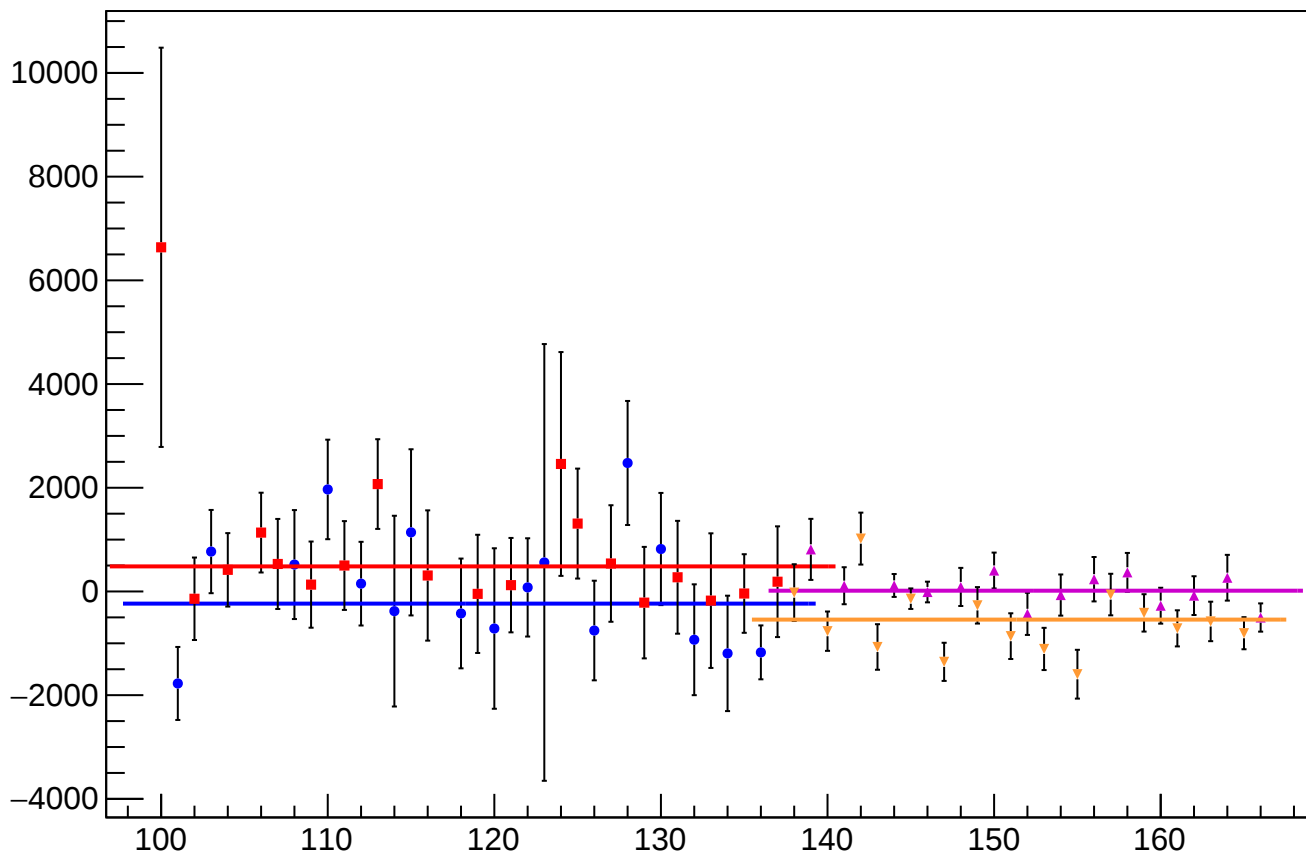
Right: 59.844+/-0.012 χ^2/NDF : 1348461.0/35

In: 54.014+/-0.009 χ^2/NDF : 1071263.8/30

Out: 54.697+/-0.009 χ^2/NDF : 1065964.1/33

All: 54.357+/-0.007 χ^2/NDF : 2139934.9/64

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 $\chi^2/NDF: 24.2/16$

Left Out: -542.789 ± 92.979 $\chi^2/NDF: 32.1/14$

Right Out: 483.305 ± 222.314 $\chi^2/NDF: 10.6/18$

Left In: 14.657 ± 87.277 $\chi^2/NDF: 10.5/13$

Left: -246.451 ± 63.635 $\chi^2/NDF: 61.8/28$

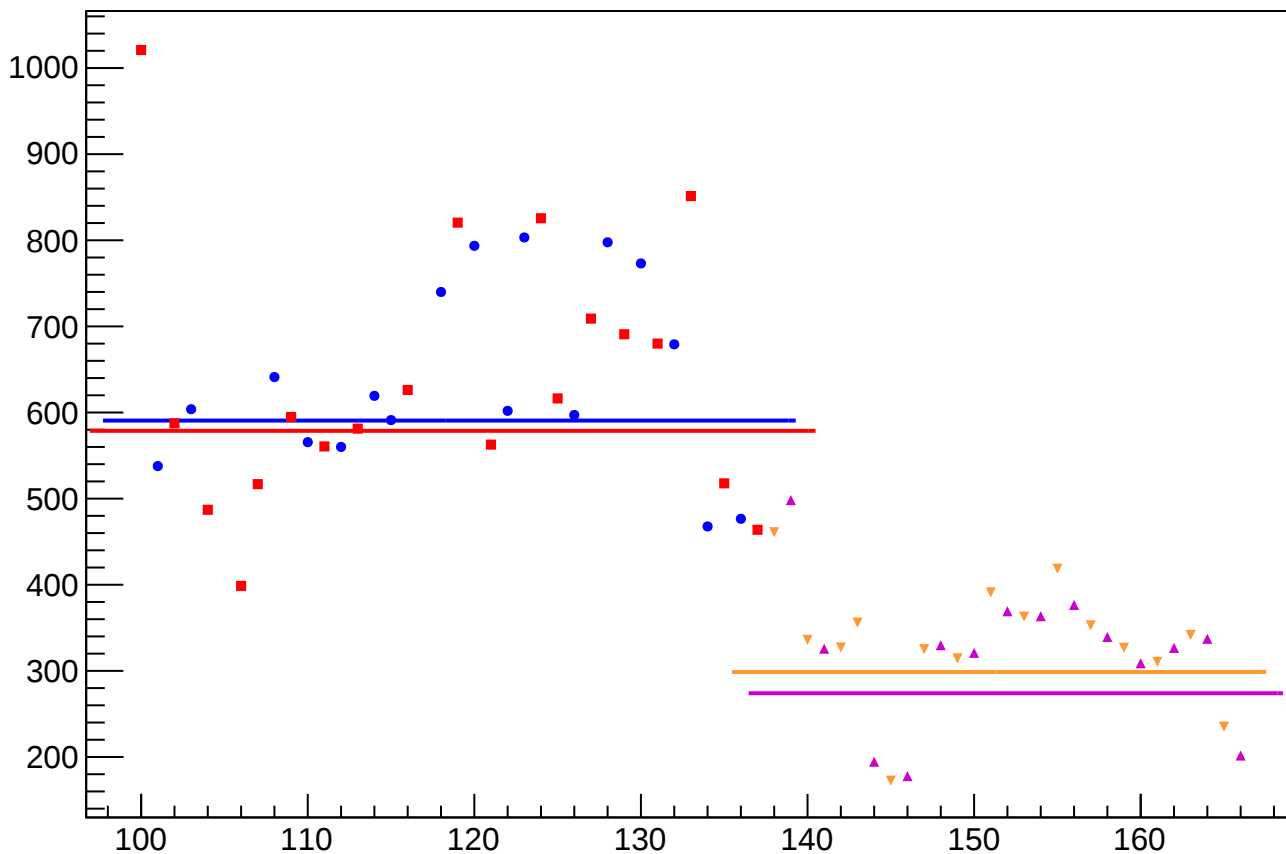
Right: 142.594 ± 161.133 $\chi^2/NDF: 39.7/35$

In: -15.797 ± 81.769 $\chi^2/NDF: 35.7/30$

Out: -390.027 ± 85.779 $\chi^2/NDF: 60.8/33$

All: -193.962 ± 59.186 $\chi^2/NDF: 106.5/64$

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659 ± 0.165 $\chi^2/NDF: 352080.1/16$

Left Out: 298.725 ± 0.066 $\chi^2/NDF: 1491257.6/14$

Right Out: 578.753 ± 0.157 $\chi^2/NDF: 493962.7/18$

Left In: 273.995 ± 0.062 $\chi^2/NDF: 1769152.5/13$

Left: 285.579 ± 0.045 $\chi^2/NDF: 3335618.8/28$

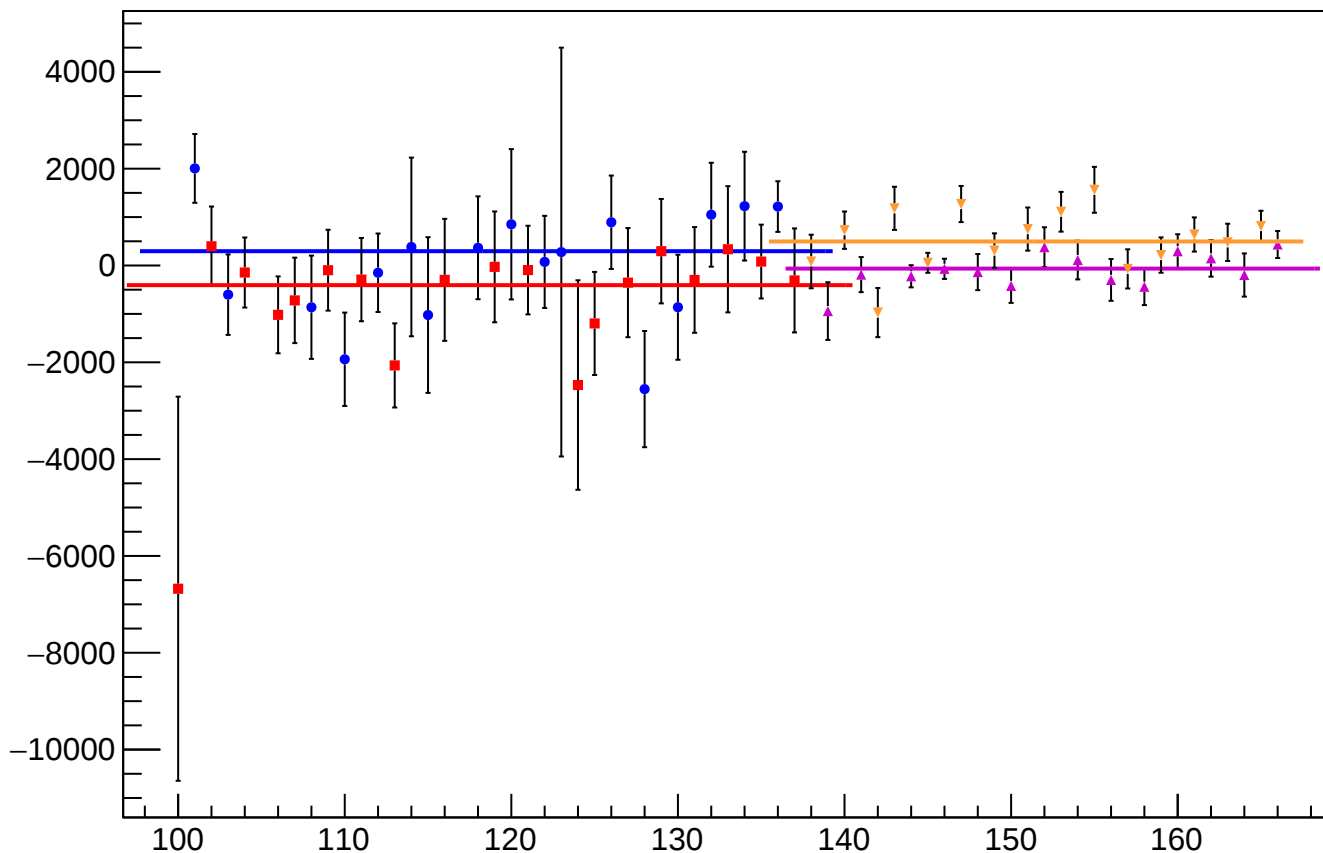
Right: 584.404 ± 0.114 $\chi^2/NDF: 848765.8/35$

In: 312.703 ± 0.058 $\chi^2/NDF: 5339479.8/30$

Out: 340.414 ± 0.061 $\chi^2/NDF: 4686022.4/33$

All: 325.896 ± 0.042 $\chi^2/NDF: 10134862.9/64$

asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -64.275 $\pm$ 89.299 χ^2 /NDF:11.1/13

Left: 199.336 $\pm$ 64.974 χ^2 /NDF: 61.8/28

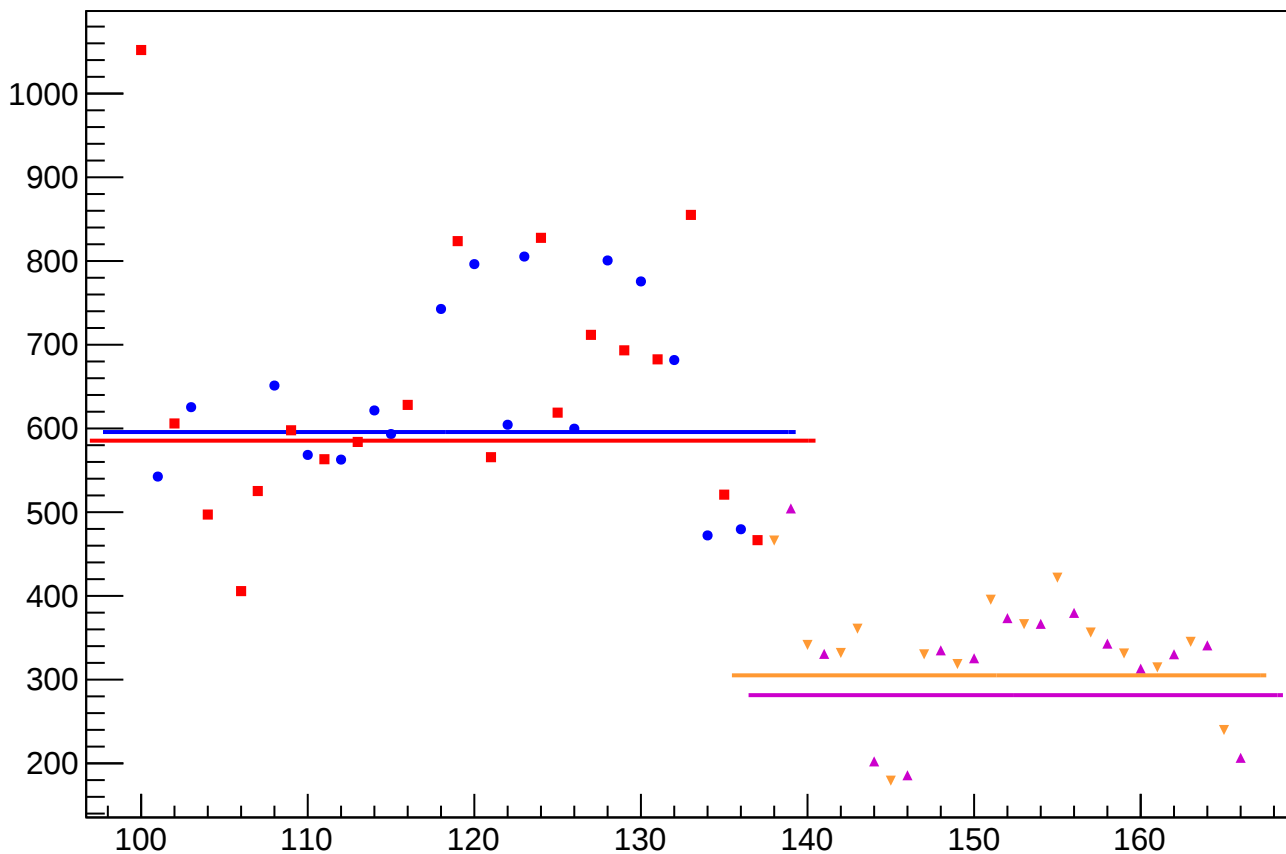
Right: -72.128 $\pm$ 162.748 χ^2 /NDF: 41.7/35

In: -19.182 $\pm$ 83.513 χ^2 /NDF:39.2/30

Out: 359.956 $\pm$ 87.286 χ^2 /NDF:56.8/33

All: 162.017 $\pm$ 60.342 χ^2 /NDF: 105.9/64

asym_sam_37_dd_rms vs Slug, Sign Corrected



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: 281.451 $\pm$ 0.063 χ^2 /NDF:1627700.9/13

Left: 292.590 $\pm$ 0.046 χ^2 /NDF: 3076449.8/28

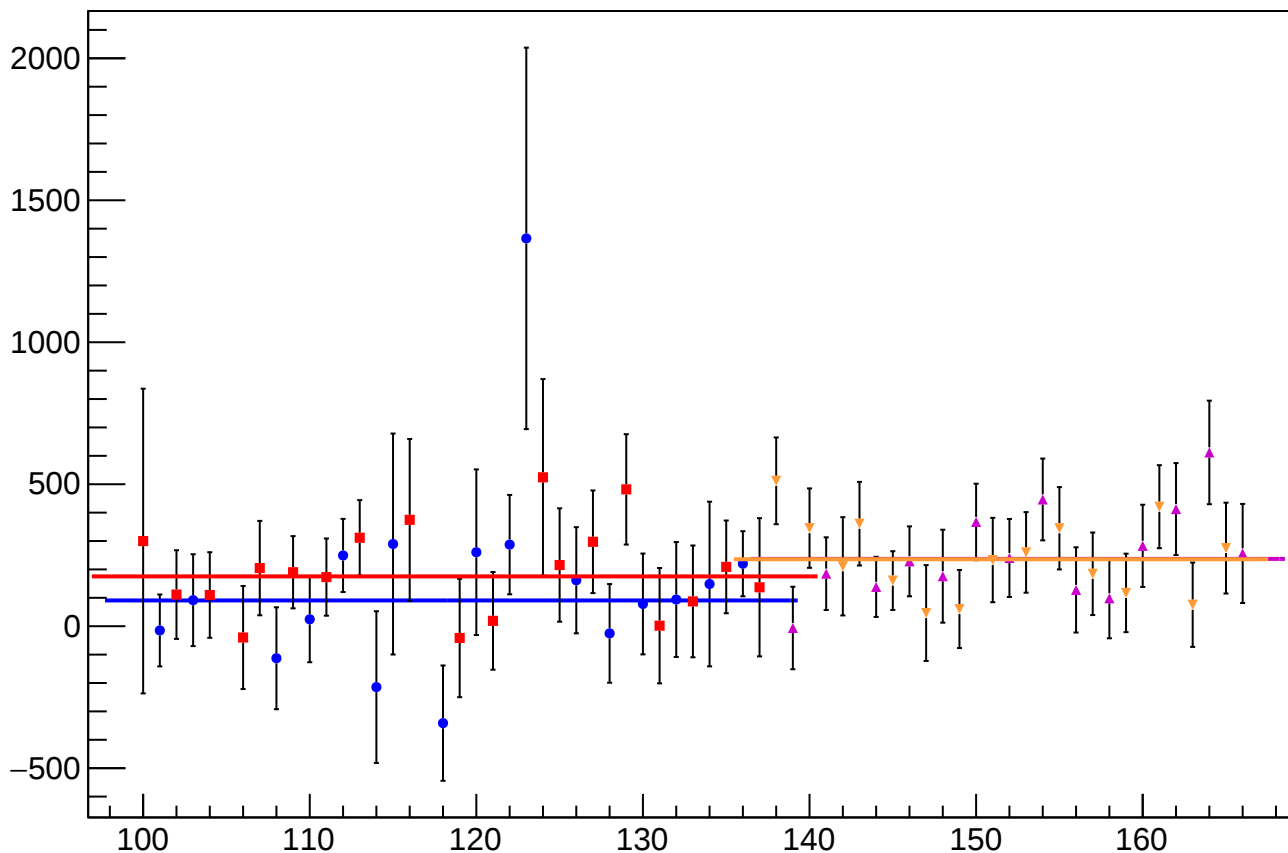
Right: 590.331 $\pm$ 0.115 χ^2 /NDF: 826533.5/35

In: 320.853 $\pm$ 0.059 χ^2 /NDF:5083642.4/30

Out: 347.360 $\pm$ 0.062 χ^2 /NDF:4496673.8/33

All: 333.521 $\pm$ 0.043 χ^2 /NDF: 9676611.6/64

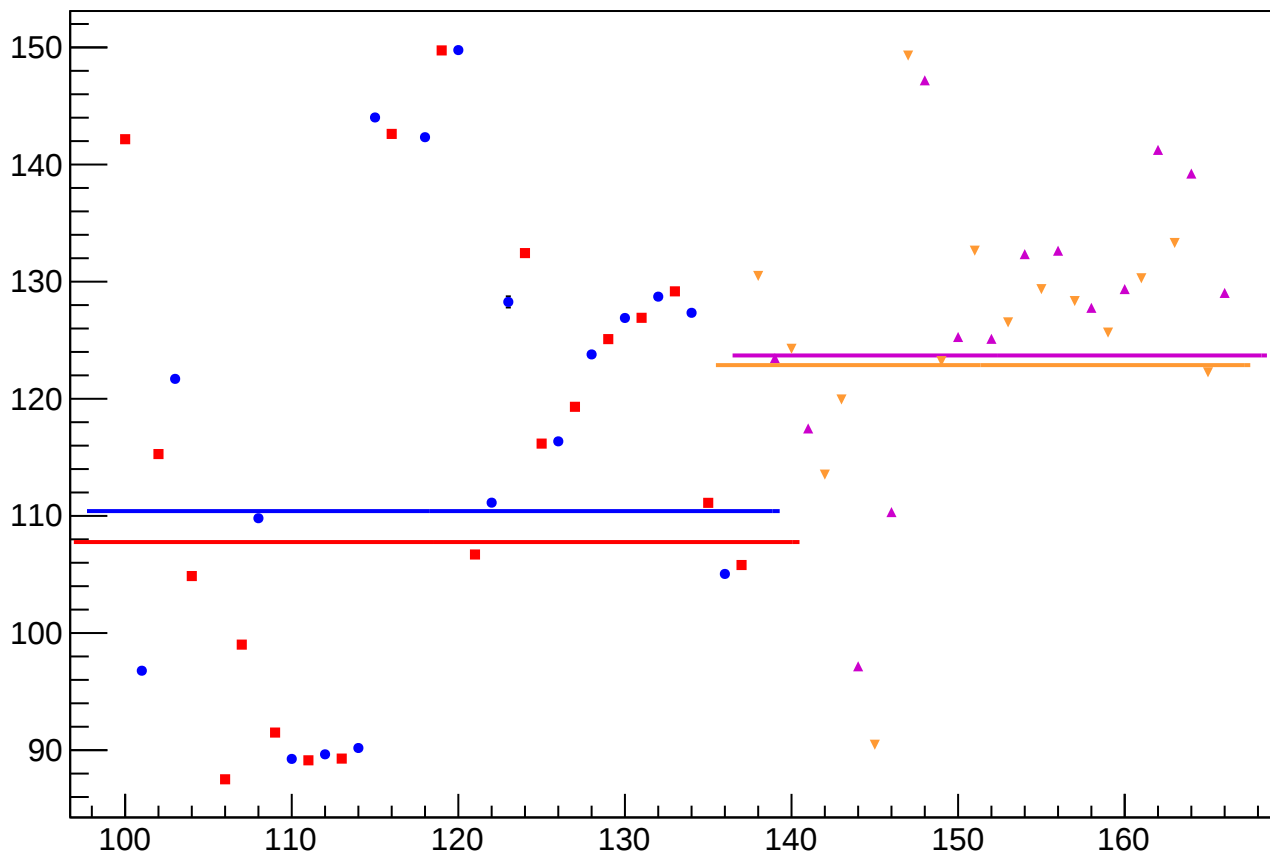
reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



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: 237.074+/-37.774 χ^2/NDF :14.1/13

Left: 236.448+/-26.451 χ^2/NDF : 26.4/28
 Right: 135.317+/-29.814 χ^2/NDF : 29.2/35
 In: 173.843+/-28.468 χ^2/NDF :37.4/30
 Out: 208.785+/-27.520 χ^2/NDF :23.8/33
 All: 191.906+/-19.786 χ^2/NDF : 62.0/64

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 122.875 $\pm$ 0.026 χ^2 /NDF: 289814.3/14

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

Left In: 123.699 $\pm$ 0.027 χ^2 /NDF: 254657.3/13

Left: 123.279 $\pm$ 0.019 χ^2 /NDF: 544957.0/28

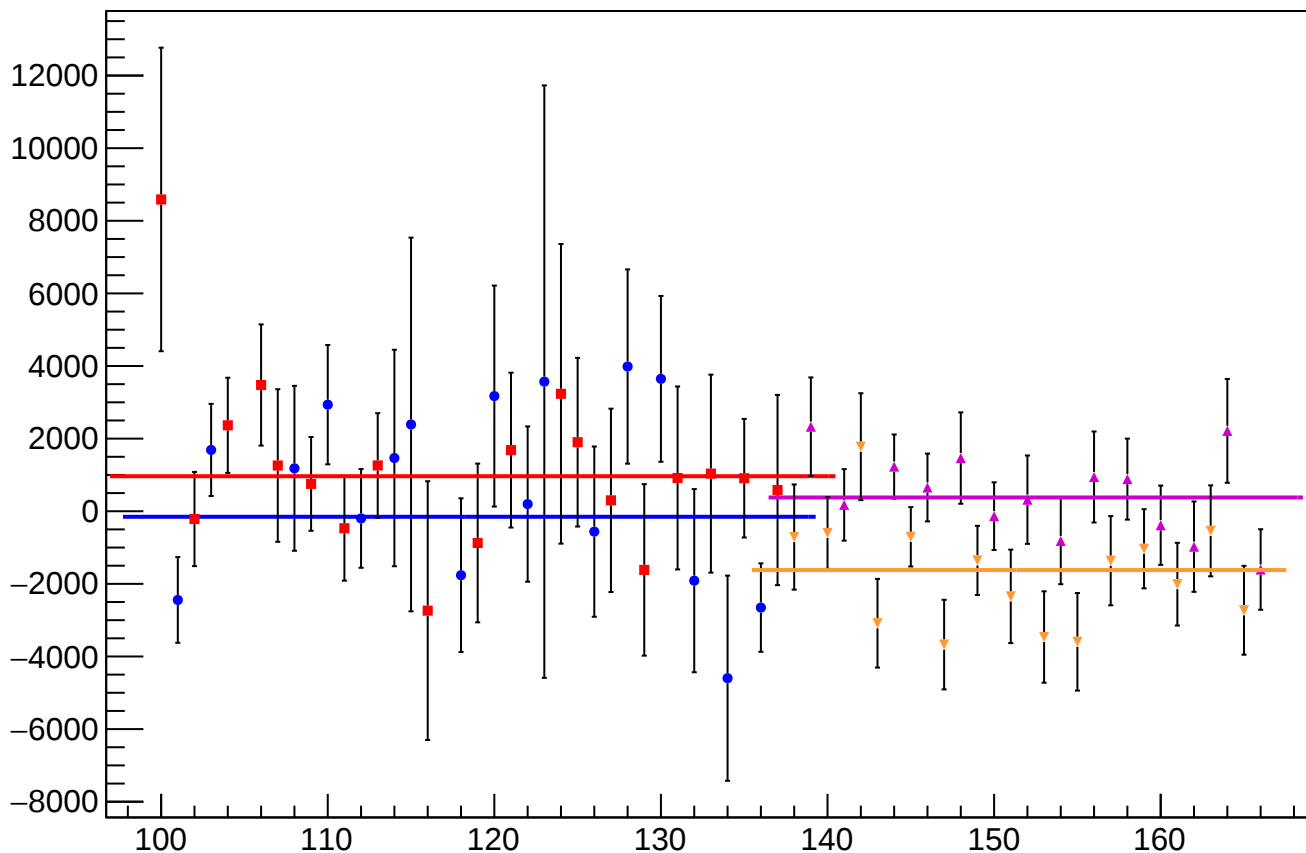
Right: 109.020 $\pm$ 0.021 χ^2 /NDF: 644787.1/35

In: 117.959 $\pm$ 0.020 χ^2 /NDF: 658003.8/30

Out: 116.102 $\pm$ 0.019 χ^2 /NDF: 783324.3/33

All: 116.999 $\pm$ 0.014 χ^2 /NDF: 1445725.2/64

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



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: 379.233 $\pm$ 296.270 χ^2/NDF :12.1/13

Left: -614.270 $\pm$ 210.123 χ^2/NDF : 53.7/28

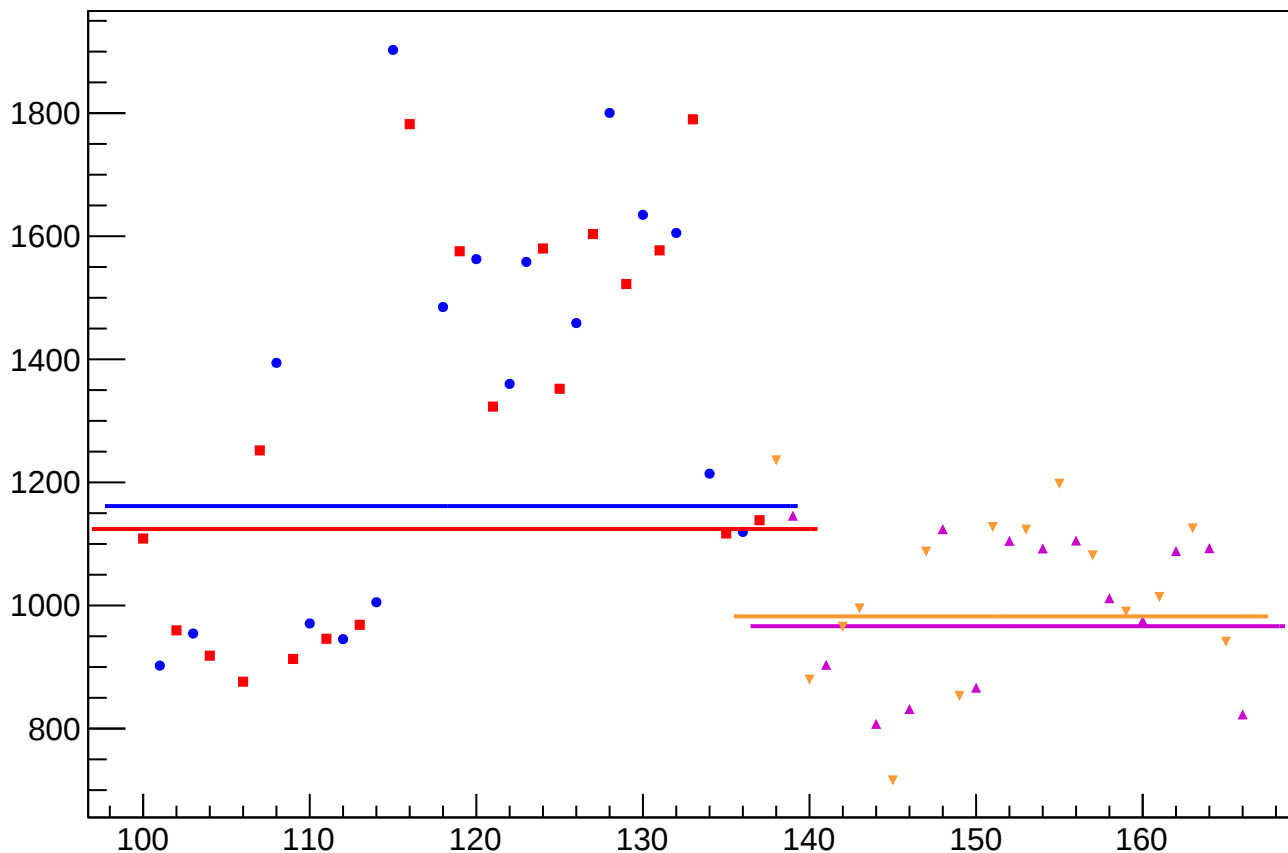
Right: 442.914 $\pm$ 317.632 χ^2/NDF : 40.0/35

In: 225.615 $\pm$ 249.825 χ^2/NDF :37.7/30

Out: -794.359 $\pm$ 245.896 χ^2/NDF :55.3/33

All: -292.457 $\pm$ 175.247 χ^2/NDF : 101.5/64

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530 $\pm$ 0.329 χ^2/NDF : 695906.9/16

Left Out: 982.297 $\pm$ 0.211 χ^2/NDF : 492269.3/14

Right Out: 1124.235 $\pm$ 0.308 χ^2/NDF : 767790.0/18

Left In: 966.396 $\pm$ 0.209 χ^2/NDF : 348687.0/13

Left: 974.298 $\pm$ 0.149 χ^2/NDF : 843819.5/28

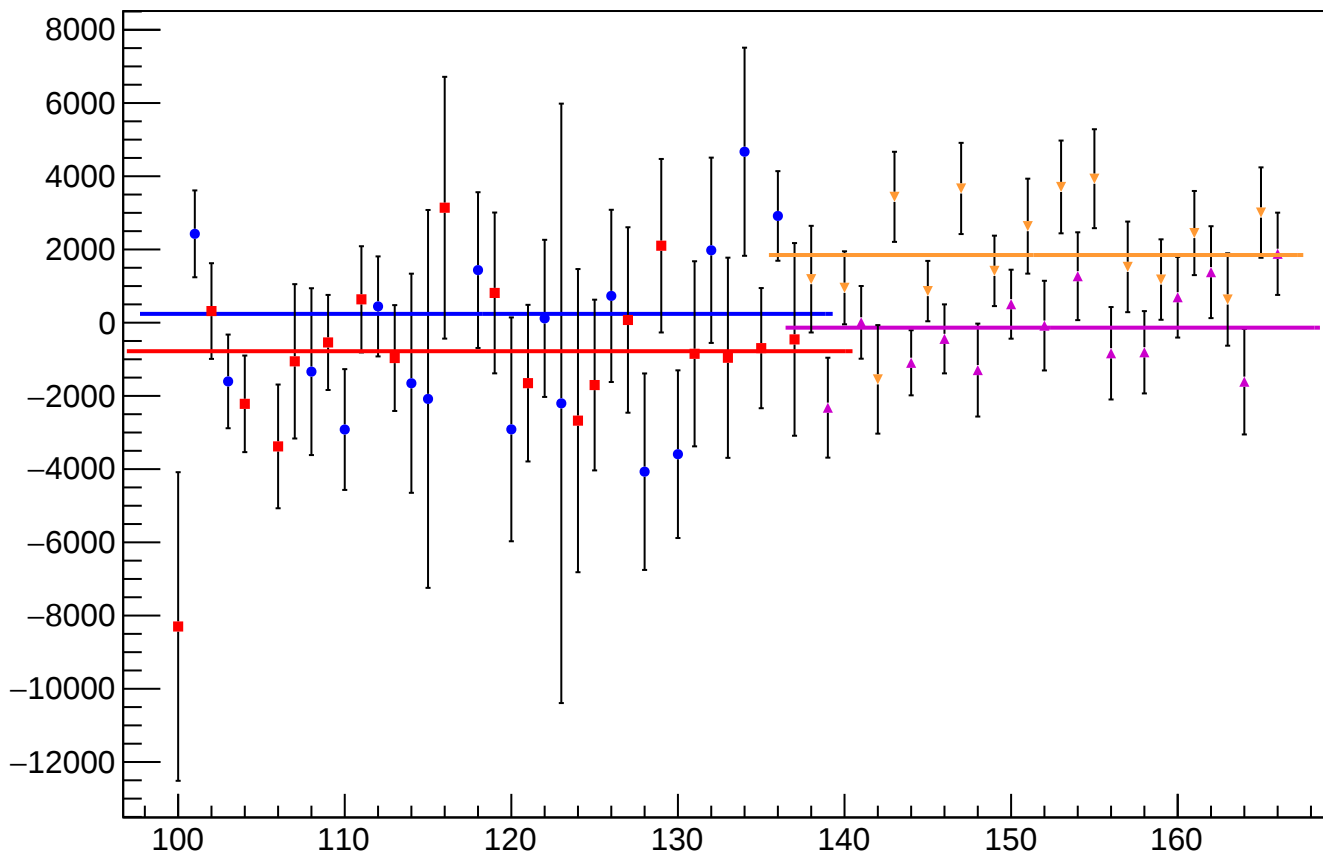
Right: 1141.655 $\pm$ 0.225 χ^2/NDF : 1470560.5/35

In: 1022.781 $\pm$ 0.177 χ^2/NDF : 1295292.6/30

Out: 1027.628 $\pm$ 0.174 χ^2/NDF : 1404914.2/33

All: 1025.243 $\pm$ 0.124 χ^2/NDF : 2700589.3/64

asym_sam_48_dd_mean vs Slug, Sign Corrected



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: -136.257 $\pm$ 298.803 χ^2 /NDF:13.5/13

Left: 850.548 $\pm$ 211.872 χ^2 /NDF: 54.5/28

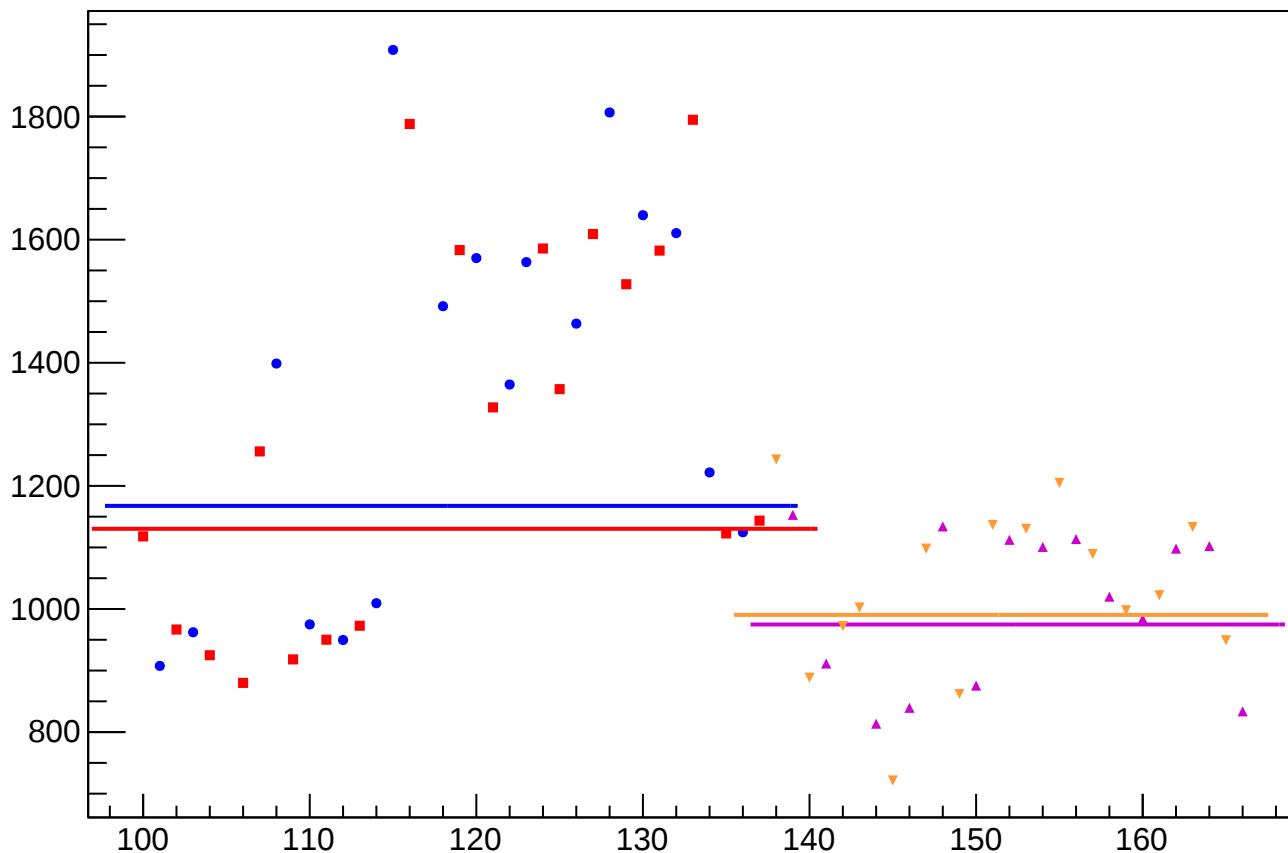
Right: -302.513 $\pm$ 319.286 χ^2 /NDF: 39.7/35

In: -26.764 $\pm$ 251.698 χ^2 /NDF:38.8/30

Out: 1006.209 $\pm$ 247.679 χ^2 /NDF:56.0/33

All: 498.034 $\pm$ 176.539 χ^2 /NDF: 103.3/64

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 990.429 $\pm$ 0.212 χ^2 /NDF: 487414.9/14

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

Left In: 974.824 $\pm$ 0.211 χ^2 /NDF: 344213.6/13

Left: 982.583 $\pm$ 0.150 χ^2 /NDF: 834340.5/28

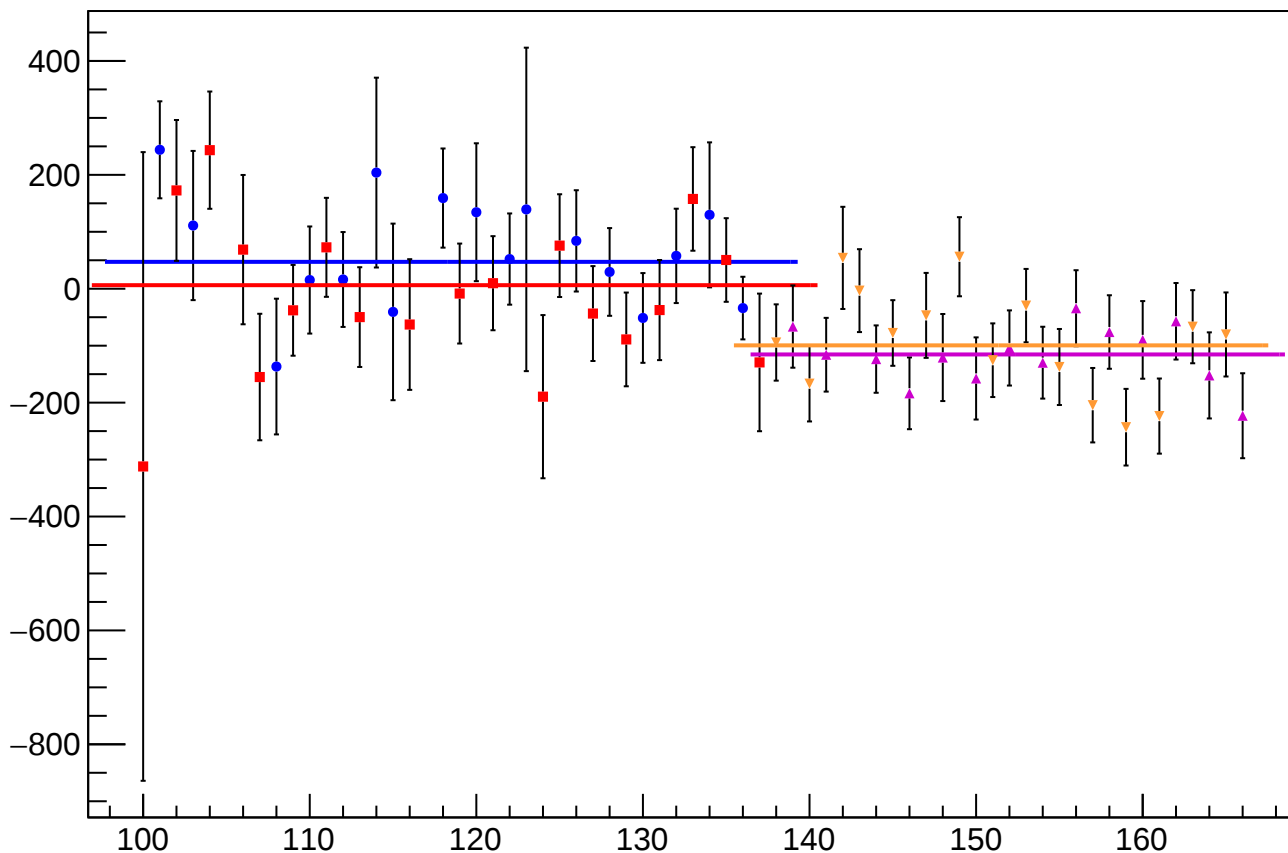
Right: 1147.705 $\pm$ 0.226 χ^2 /NDF: 1458761.3/35

In: 1030.796 $\pm$ 0.178 χ^2 /NDF: 1276326.3/30

Out: 1035.260 $\pm$ 0.175 χ^2 /NDF: 1387831.3/33

All: 1033.064 $\pm$ 0.125 χ^2 /NDF: 2664477.1/64

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220 ± 22.565 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -99.429 ± 17.497 $\chi^2/\text{NDF}: 24.0/14$

Right Out: 6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

Left In: -115.388 ± 18.056 $\chi^2/\text{NDF}: 7.1/13$

Left: -107.158 ± 12.565 $\chi^2/\text{NDF}: 31.6/28$

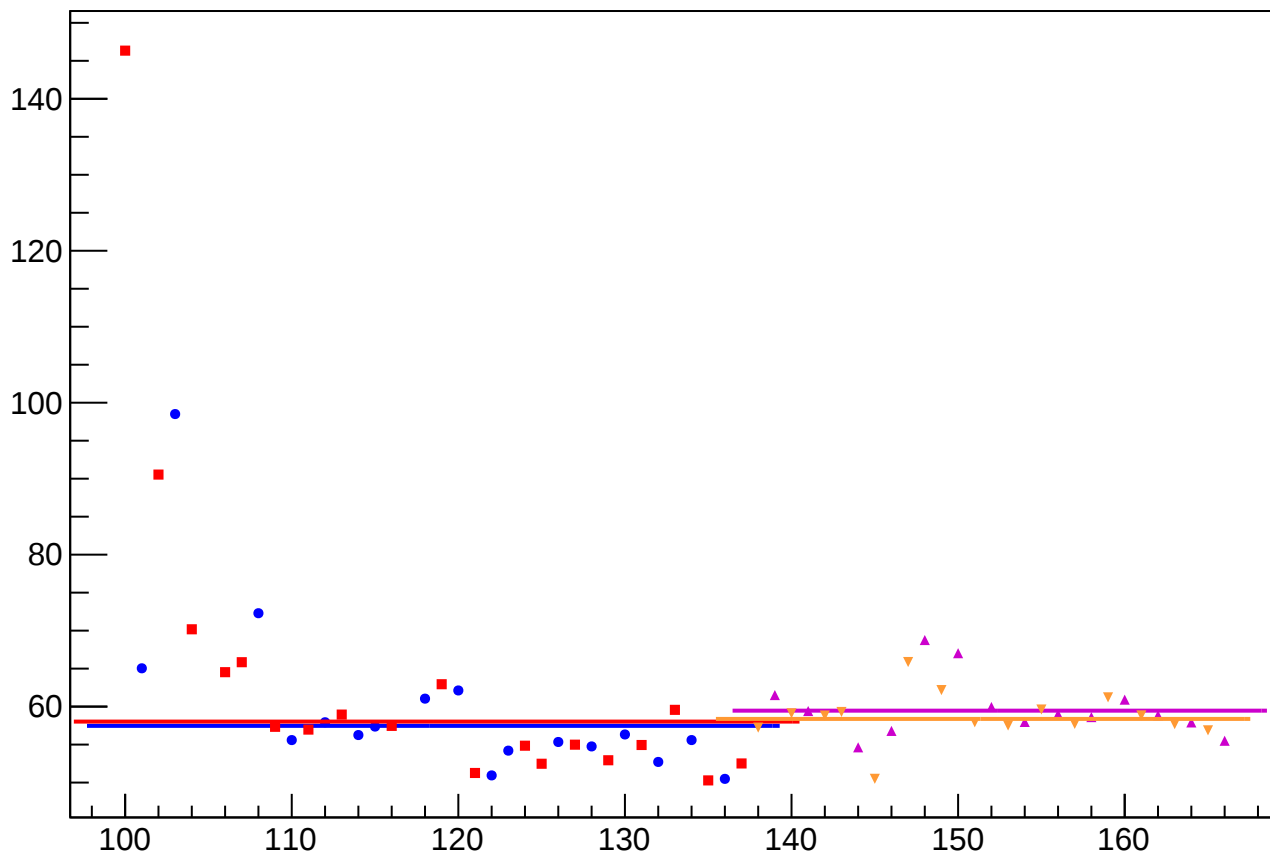
Right: 26.333 ± 15.799 $\chi^2/\text{NDF}: 38.1/35$

In: -51.915 ± 14.098 $\chi^2/\text{NDF}: 54.9/30$

Out: -58.773 ± 13.725 $\chi^2/\text{NDF}: 58.4/33$

All: -55.436 ± 9.834 $\chi^2/\text{NDF}: 113.4/64$

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 58.378+/-0.012 χ^2/NDF : 70824.5/14

Right Out: 58.027+/-0.016 χ^2/NDF : 300788.2/18

Left In: 59.466+/-0.013 χ^2/NDF : 79287.2/13

Left: 58.905+/-0.009 χ^2/NDF : 153851.8/28

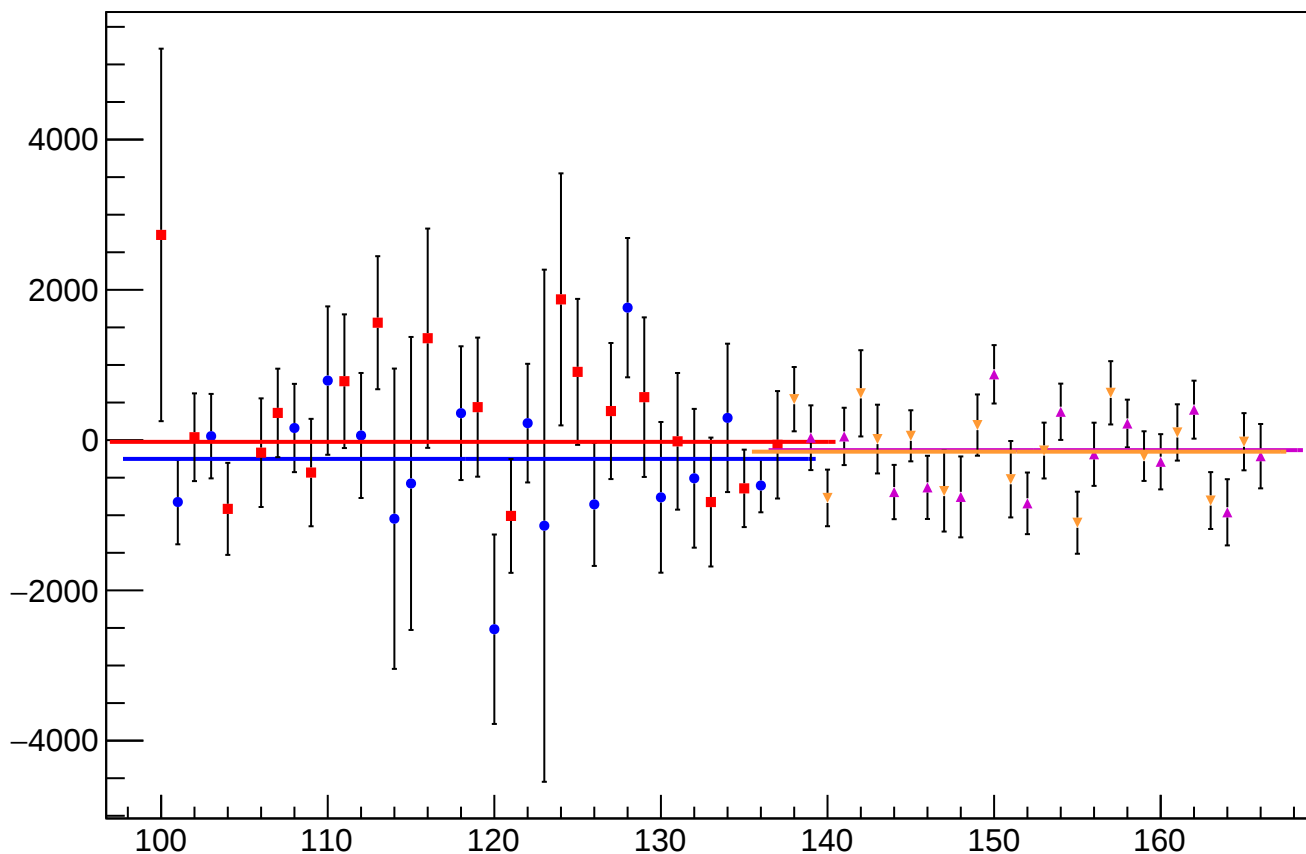
Right: 57.752+/-0.011 χ^2/NDF : 608576.3/35

In: 58.685+/-0.010 χ^2/NDF : 396024.4/30

Out: 58.243+/-0.010 χ^2/NDF : 371922.7/33

All: 58.458+/-0.007 χ^2/NDF : 768954.7/64

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140+/-184.092 χ^2/NDF : 14.3/16

Left Out: -153.831+/-104.703 χ^2/NDF : 22.2/14

Right Out: -23.314+/-181.834 χ^2/NDF : 16.1/18

Left In: -133.454+/-105.994 χ^2/NDF : 24.0/13

Left: -143.767+/-74.488 χ^2/NDF : 46.2/28

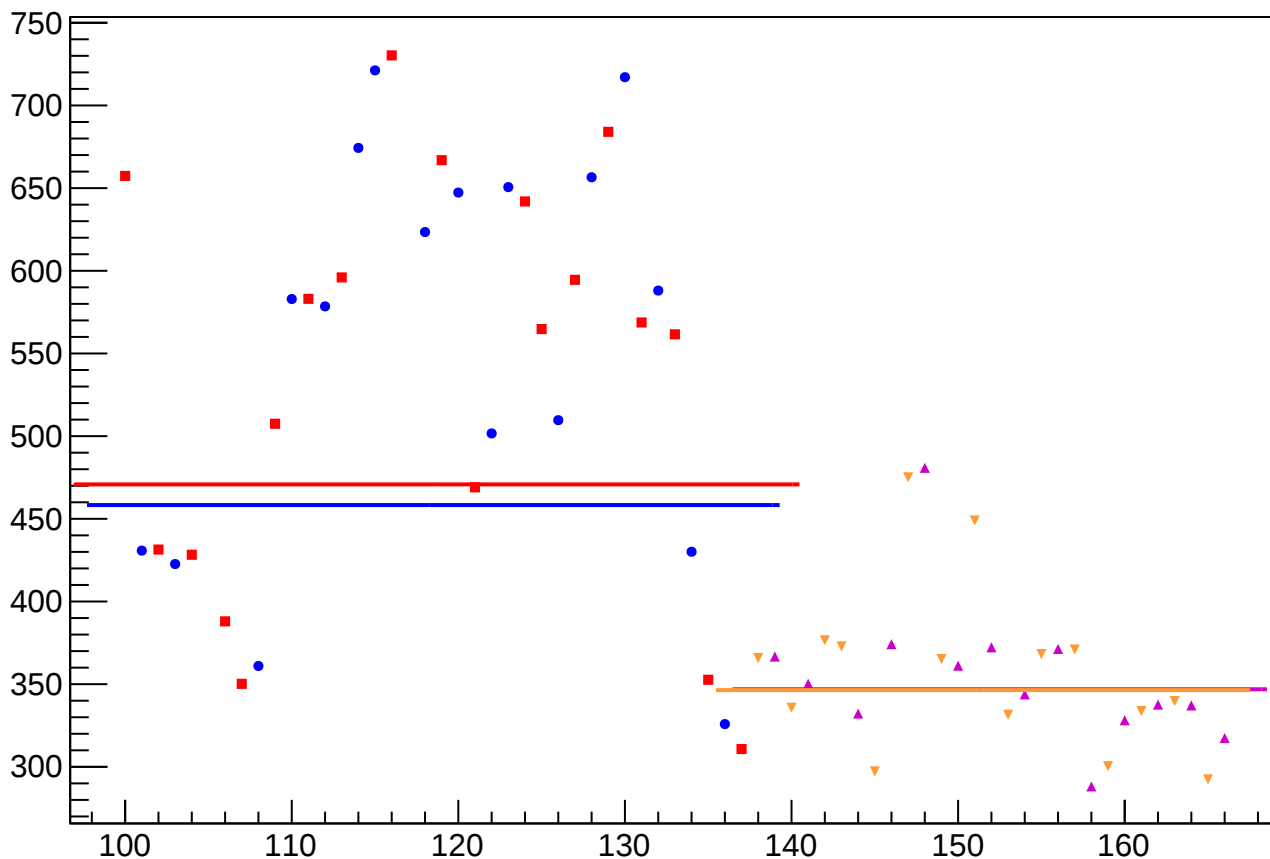
Right: -135.327+/-129.367 χ^2/NDF : 31.1/35

In: -162.506+/-91.857 χ^2/NDF : 38.6/30

Out: -121.332+/-90.735 χ^2/NDF : 38.6/33

All: -141.666+/-64.552 χ^2/NDF : 77.3/64

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



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: 346.918 $\pm$ 0.075 χ^2 /NDF: 242355.6/13

Left: 346.670 $\pm$ 0.053 χ^2 /NDF: 599355.4/28

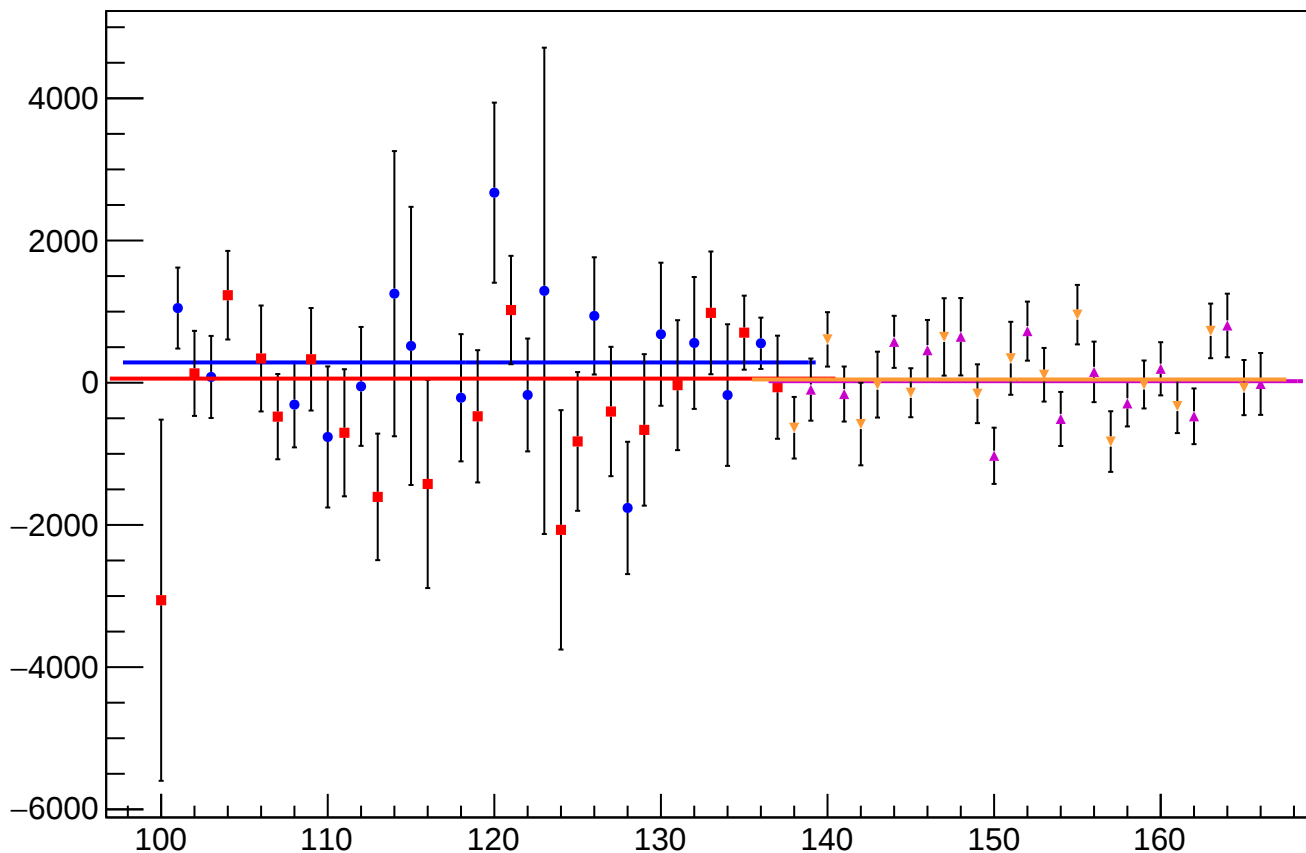
Right: 464.653 $\pm$ 0.091 χ^2 /NDF: 1660506.8/35

In: 374.655 $\pm$ 0.065 χ^2 /NDF: 1669652.6/30

Out: 377.404 $\pm$ 0.064 χ^2 /NDF: 1838602.5/33

All: 376.046 $\pm$ 0.046 χ^2 /NDF: 3509162.0/64

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



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: 21.709 $\pm$ 107.591 χ^2 /NDF:22.7/13

Left: 33.904 $\pm$ 75.598 χ^2 /NDF: 43.9/28

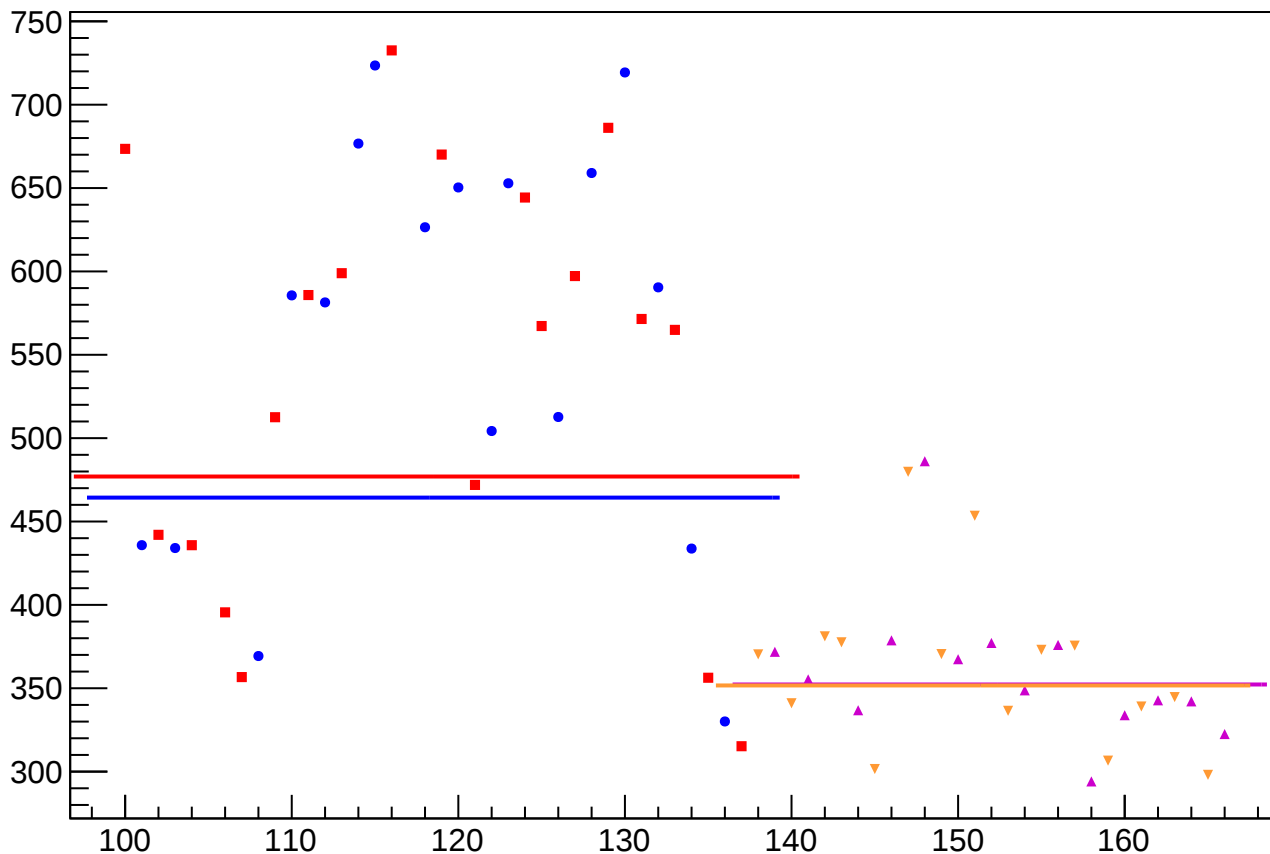
Right: 170.332 $\pm$ 130.927 χ^2 /NDF: 35.1/35

In: 87.667 $\pm$ 93.165 χ^2 /NDF:39.4/30

Out: 48.846 $\pm$ 92.018 χ^2 /NDF:40.3/33

All: 68.016 $\pm$ 65.468 χ^2 /NDF: 79.8/64

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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: 352.252 $\pm$ 0.076 χ^2/NDF : 233819.5/13

Left: 351.961 $\pm$ 0.053 χ^2/NDF : 578037.6/28

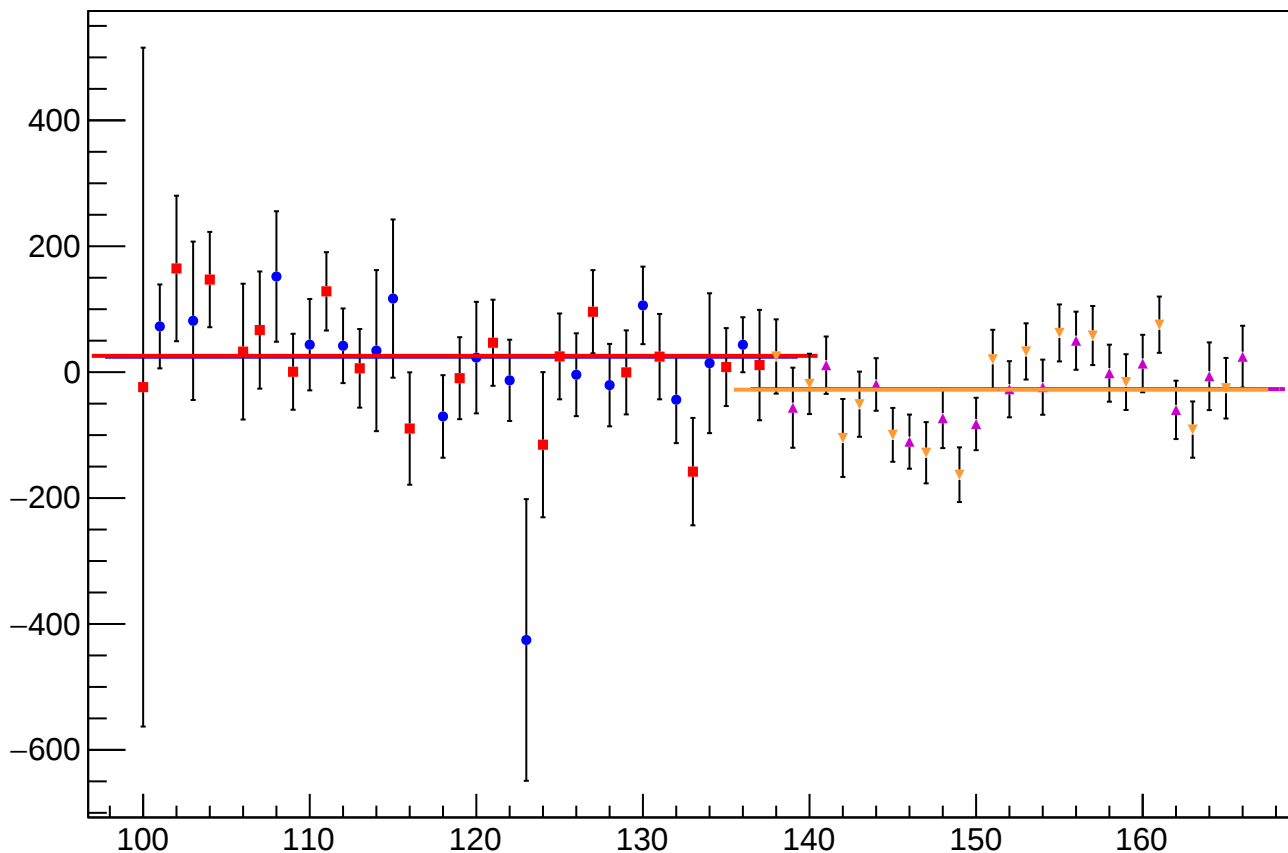
Right: 470.740 $\pm$ 0.093 χ^2/NDF : 1599897.5/35

In: 380.295 $\pm$ 0.066 χ^2/NDF : 1622796.2/30

Out: 382.992 $\pm$ 0.065 χ^2/NDF : 1788789.5/33

All: 381.660 $\pm$ 0.046 χ^2/NDF : 3412434.3/64

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584+/-17.839 χ^2/NDF : 13.0/16

Left Out: -27.828+/-12.217 χ^2/NDF : 37.0/14

Right Out: 25.884+/-17.386 χ^2/NDF : 16.8/18

Left In: -26.906+/-12.357 χ^2/NDF : 13.1/13

Left: -27.372+/-8.688 χ^2/NDF : 50.0/28

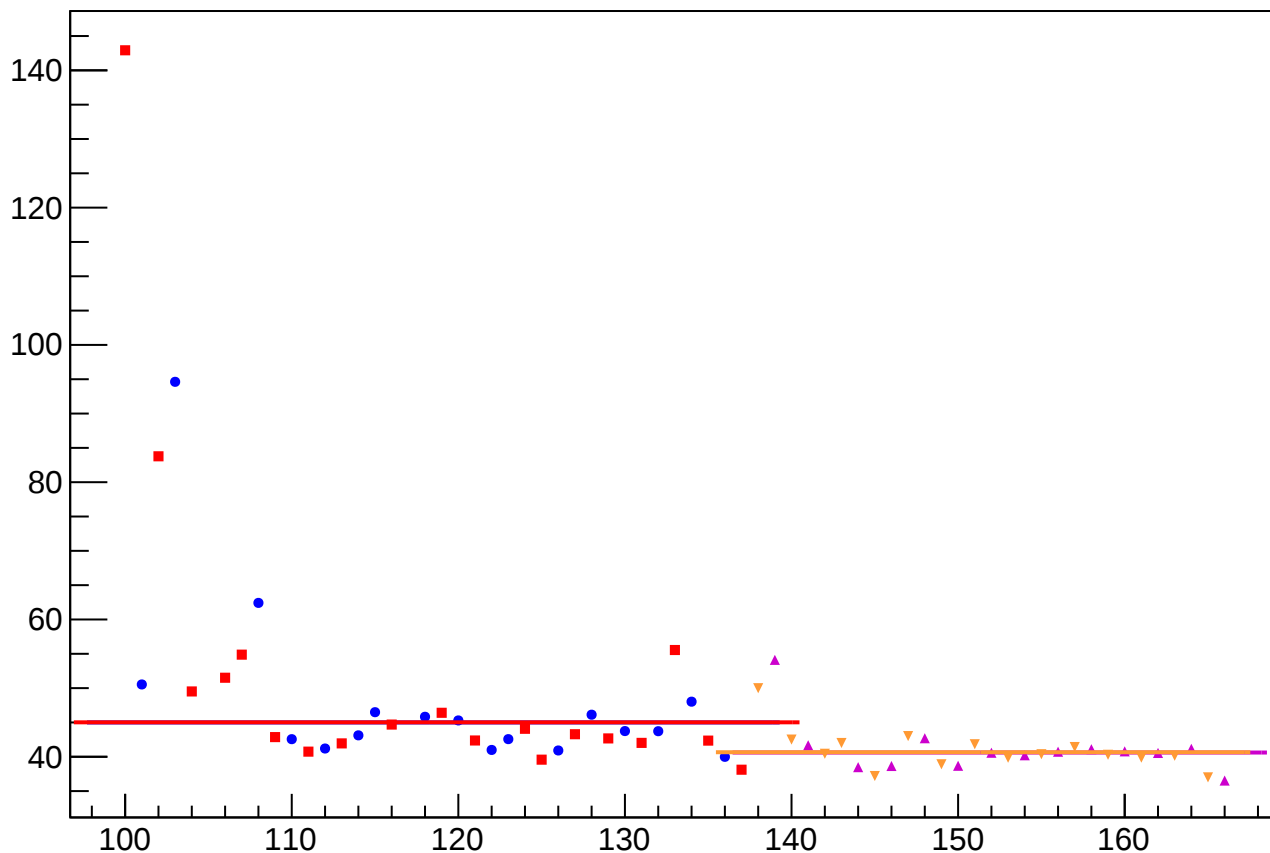
Right: 25.251+/-12.451 χ^2/NDF : 29.8/35

In: -10.210+/-10.158 χ^2/NDF : 31.7/30

Out: -10.073+/-9.996 χ^2/NDF : 60.1/33

All: -10.140+/-7.125 χ^2/NDF : 91.8/64

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 40.661 $\pm$ 0.009 χ^2 /NDF: 90483.5/14

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

Left In: 40.617 $\pm$ 0.009 χ^2 /NDF: 123086.8/13

Left: 40.639 $\pm$ 0.006 χ^2 /NDF: 213583.4/28

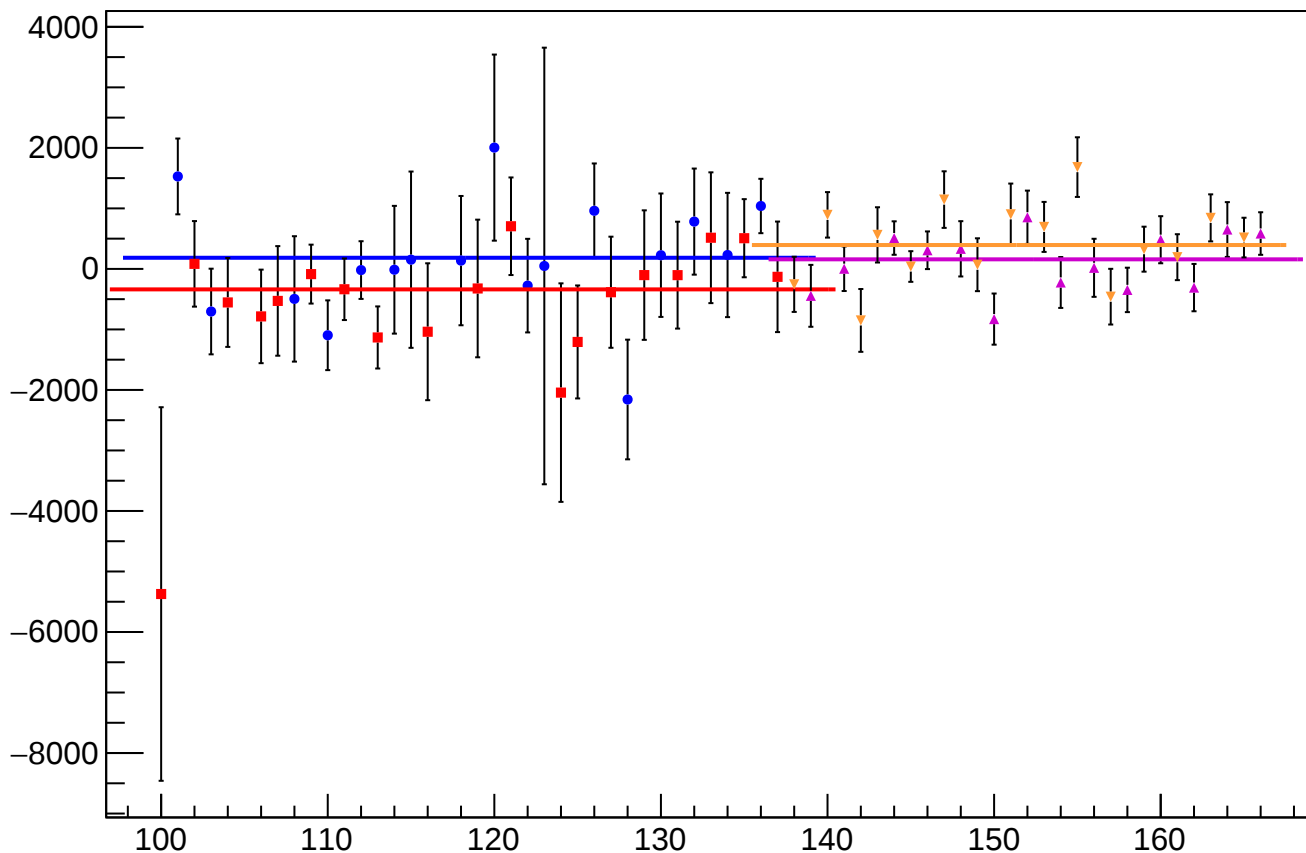
Right: 45.009 $\pm$ 0.009 χ^2 /NDF: 853862.6/35

In: 42.038 $\pm$ 0.007 χ^2 /NDF: 643079.7/30

Out: 42.101 $\pm$ 0.007 χ^2 /NDF: 590031.3/33

All: 42.070 $\pm$ 0.005 χ^2 /NDF: 1233149.7/64

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.184 $\pm$ 188.558 χ^2 /NDF: 24.2/16

Left Out: 394.593 $\pm$ 102.861 χ^2 /NDF:28.4/14

Right Out: -338.329 $\pm$ 179.381 χ^2 /NDF: 12.5/18

Left In: 158.215 $\pm$ 103.308 χ^2 /NDF:19.1/13

Left: 276.917 $\pm$ 72.891 χ^2 /NDF: 50.1/28

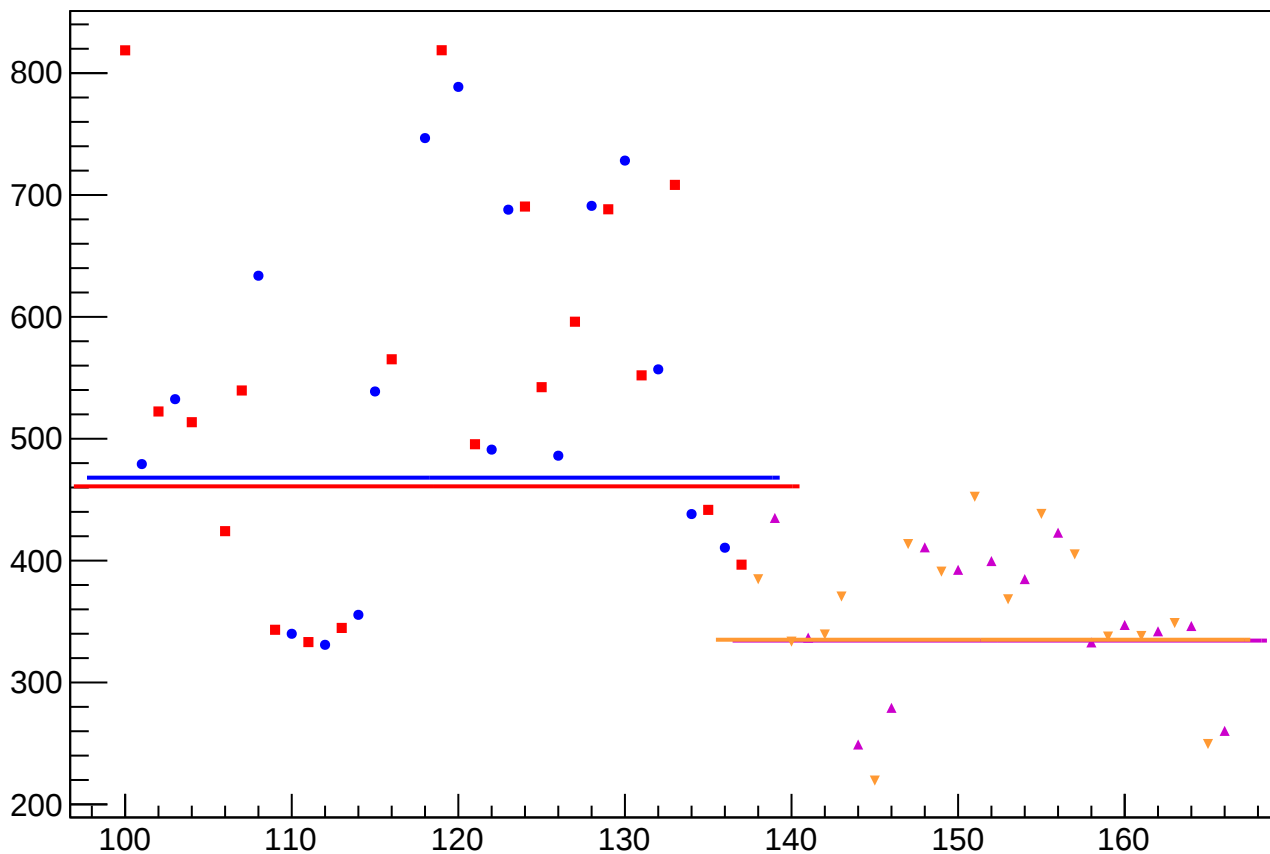
Right: -90.096 $\pm$ 129.965 χ^2 /NDF: 40.7/35

In: 164.210 $\pm$ 90.601 χ^2 /NDF:43.3/30

Out: 213.233 $\pm$ 89.232 χ^2 /NDF:53.4/33

All: 189.095 $\pm$ 63.575 χ^2 /NDF: 96.9/64

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 335.088+/-0.073 χ^2/NDF : 934306.3/14

Right Out: 460.939+/-0.127 χ^2/NDF : 955028.5/18

Left In: 334.381+/-0.073 χ^2/NDF : 658598.5/13

Left: 334.736+/-0.052 χ^2/NDF : 1592951.8/28

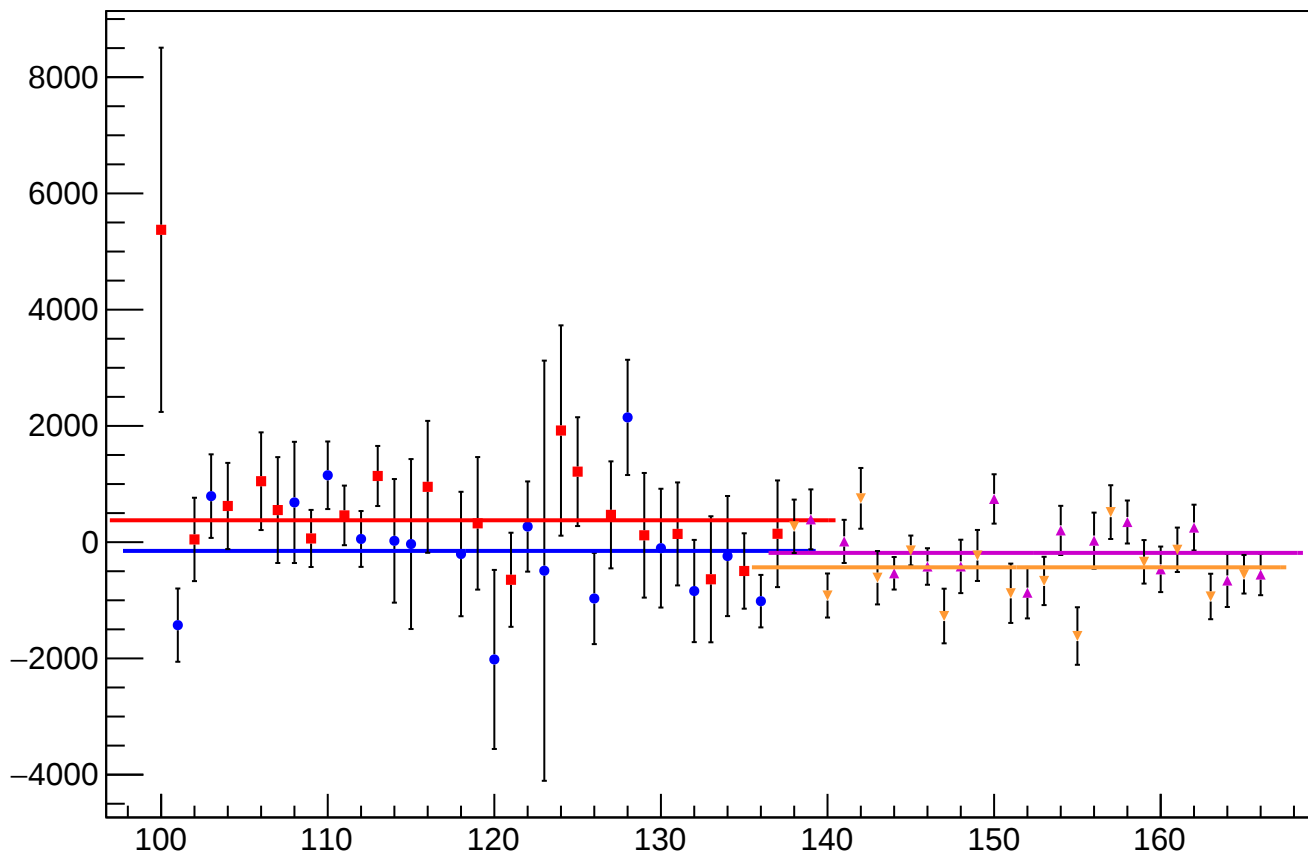
Right: 464.328+/-0.092 χ^2/NDF : 1836849.7/35

In: 365.247+/-0.064 χ^2/NDF : 2312197.7/30

Out: 366.229+/-0.063 χ^2/NDF : 2630183.8/33

All: 365.746+/-0.045 χ^2/NDF : 4942500.9/64

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305 ± 189.729 $\chi^2/\text{NDF}: 24.2/16$

Left Out: -432.471 ± 103.701 $\chi^2/\text{NDF}: 27.4/14$

Right Out: 376.554 ± 181.258 $\chi^2/\text{NDF}: 12.4/18$

Left In: -184.410 ± 104.137 $\chi^2/\text{NDF}: 18.1/13$

Left: -308.961 ± 73.481 $\chi^2/\text{NDF}: 48.4/28$

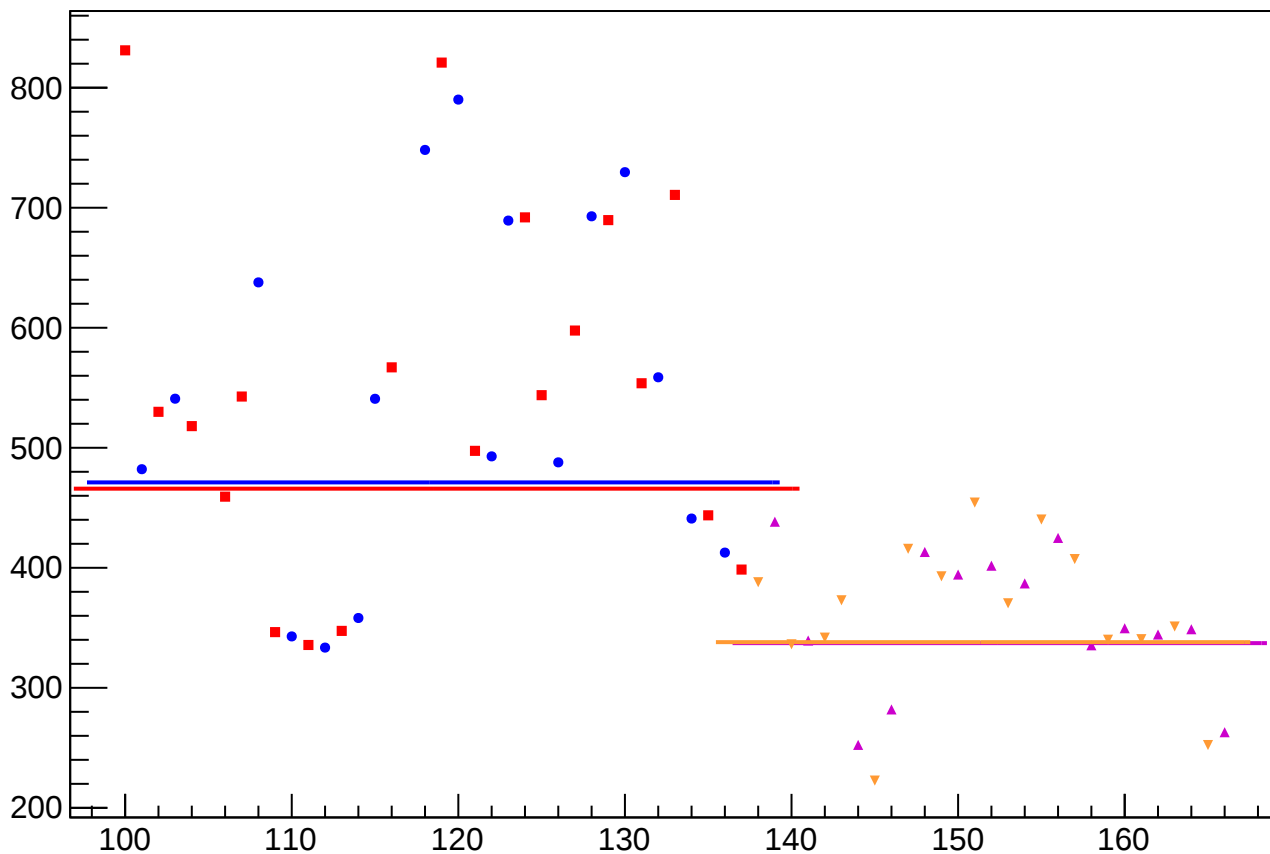
Right: 125.150 ± 131.061 $\chi^2/\text{NDF}: 40.7/35$

In: -176.514 ± 91.290 $\chi^2/\text{NDF}: 42.4/30$

Out: -232.964 ± 90.011 $\chi^2/\text{NDF}: 54.9/33$

All: -205.137 ± 64.095 $\chi^2/\text{NDF}: 97.4/64$

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156 $\pm$ 0.134 χ^2/NDF : 871832.5/16

Left Out: 338.060 $\pm$ 0.073 χ^2/NDF : 906740.1/14

Right Out: 465.935 $\pm$ 0.128 χ^2/NDF : 940521.6/18

Left In: 337.235 $\pm$ 0.074 χ^2/NDF : 640913.3/13

Left: 337.650 $\pm$ 0.052 χ^2/NDF : 1547716.4/28

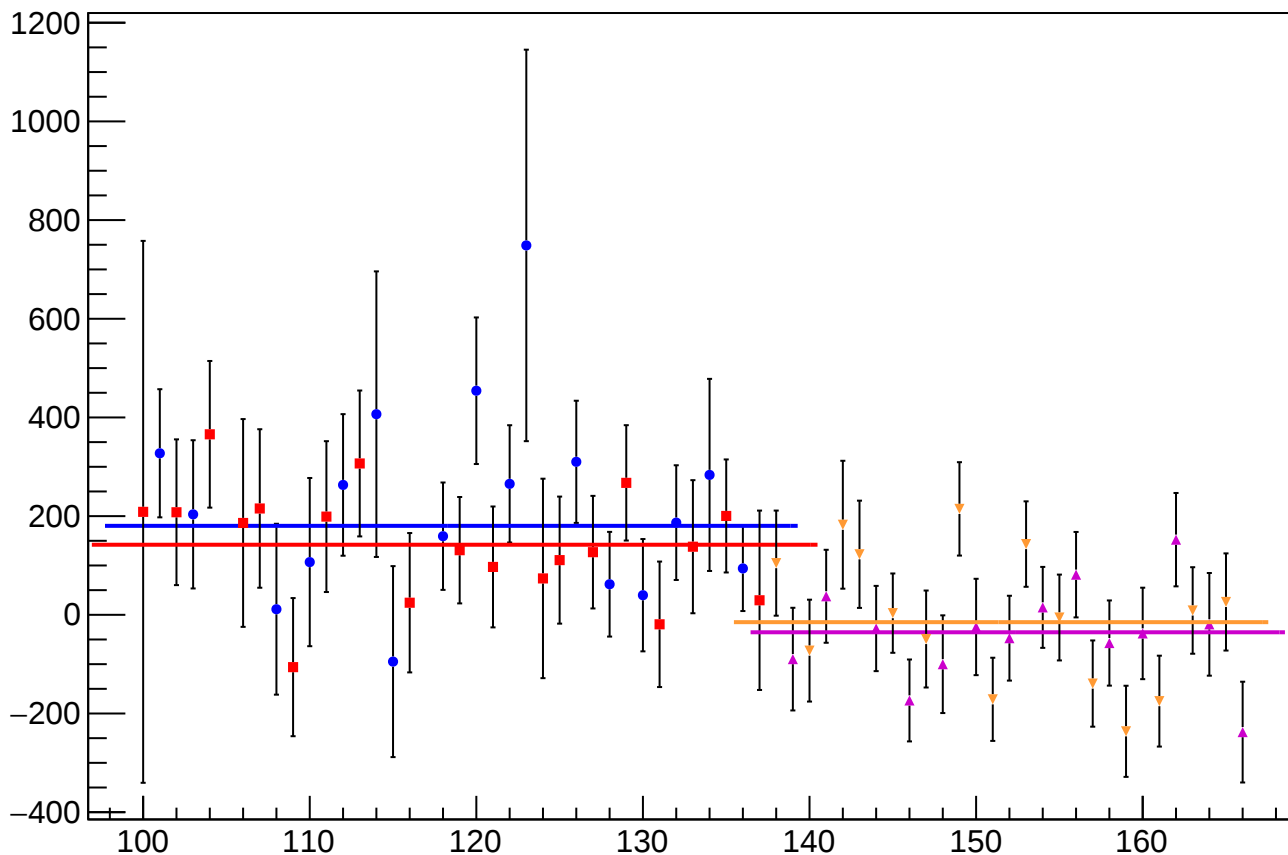
Right: 468.427 $\pm$ 0.093 χ^2/NDF : 1813145.9/35

In: 368.240 $\pm$ 0.065 χ^2/NDF : 2278508.7/30

Out: 369.594 $\pm$ 0.064 χ^2/NDF : 2597215.4/33

All: 368.927 $\pm$ 0.045 χ^2/NDF : 4875947.3/64

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 ± 32.769 $\chi^2/\text{NDF}: 16.6/16$

Left Out: -14.882 ± 24.240 $\chi^2/\text{NDF}: 29.4/14$

Right Out: 142.040 ± 32.338 $\chi^2/\text{NDF}: 11.7/18$

Left In: -35.385 ± 24.553 $\chi^2/\text{NDF}: 14.3/13$

Left: -25.002 ± 17.250 $\chi^2/\text{NDF}: 44.0/28$

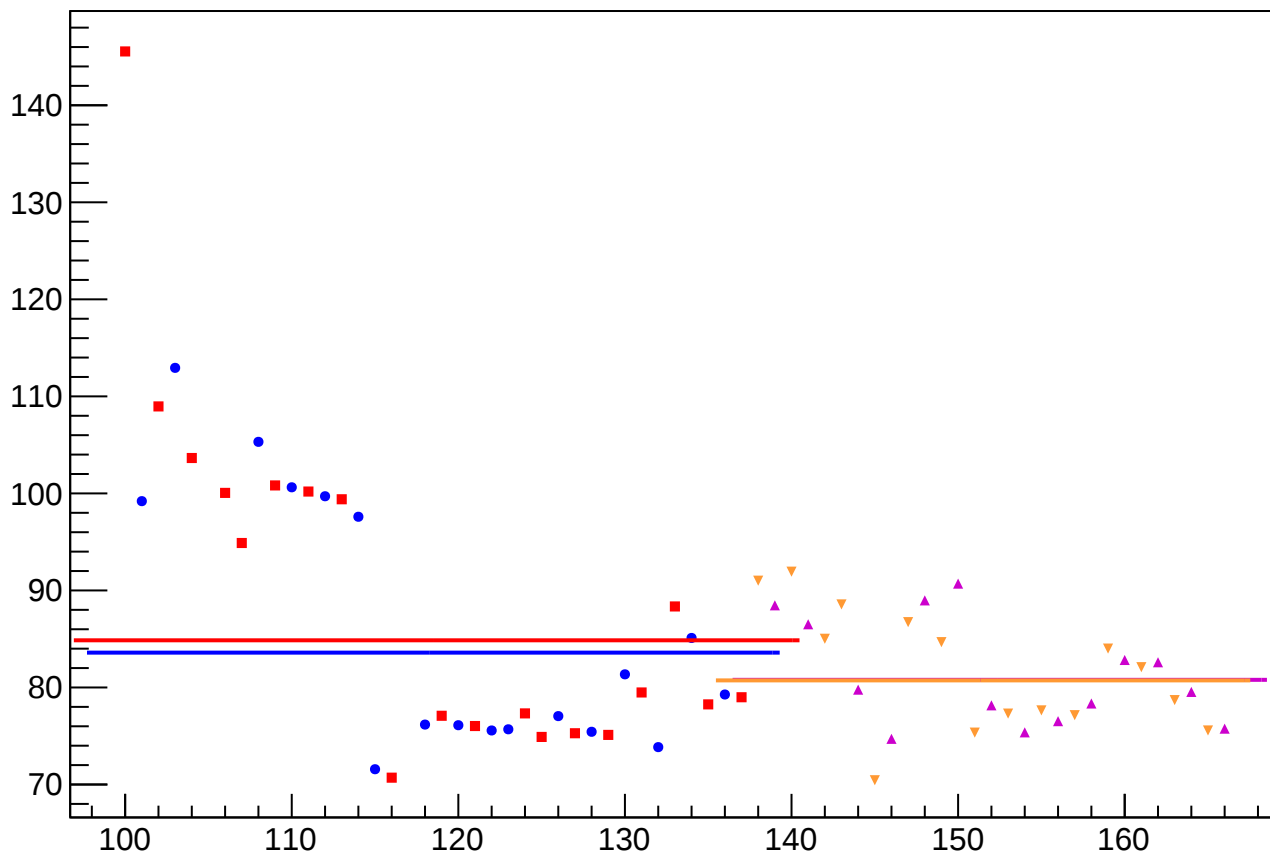
Right: 160.930 ± 23.017 $\chi^2/\text{NDF}: 28.9/35$

In: 42.173 ± 19.649 $\chi^2/\text{NDF}: 58.6/30$

Out: 41.571 ± 19.396 $\chi^2/\text{NDF}: 56.1/33$

All: 41.868 ± 13.804 $\chi^2/\text{NDF}: 114.7/64$

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 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: 80.788 $\pm$ 0.017 χ^2 /NDF:87440.2/13

Left: 80.759 $\pm$ 0.012 χ^2 /NDF: 212599.6/28

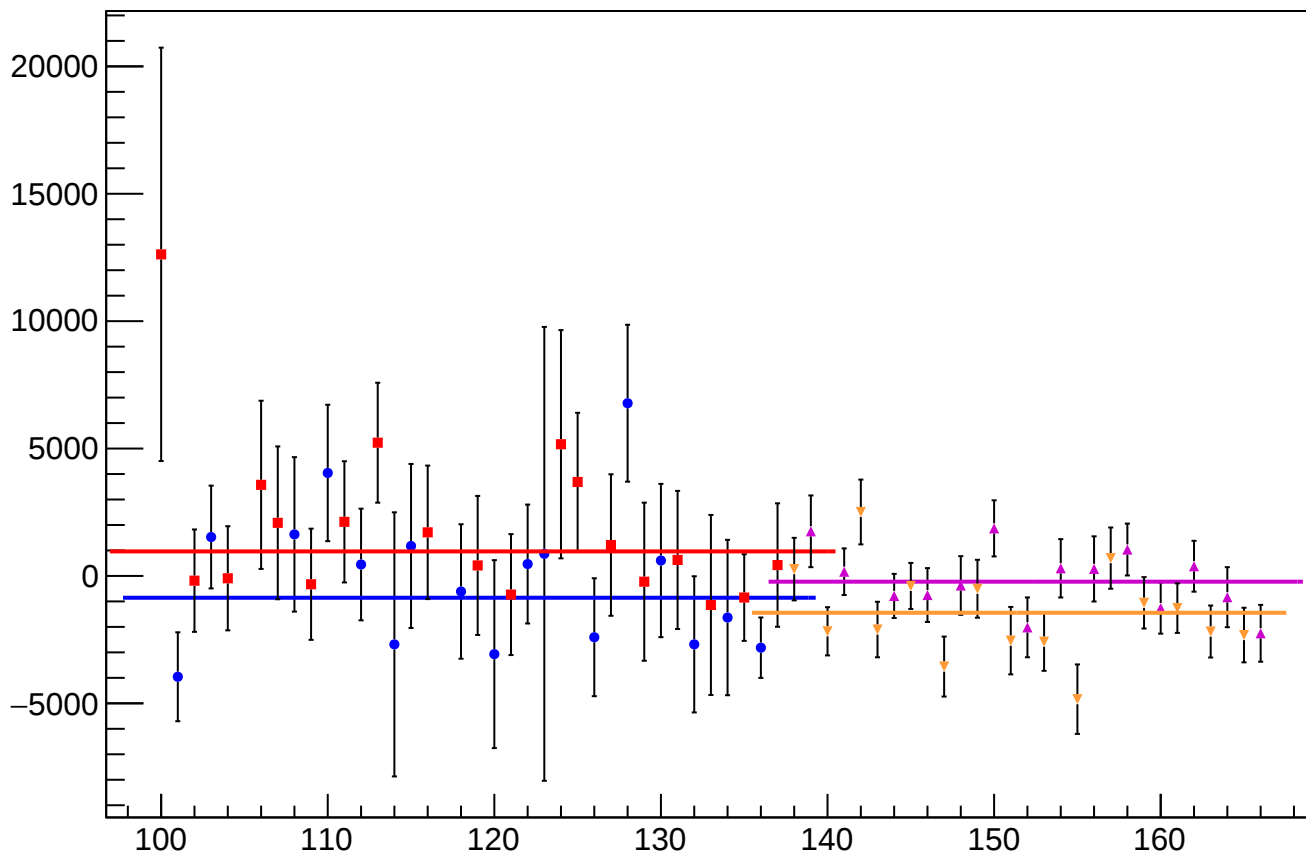
Right: 84.234 $\pm$ 0.016 χ^2 /NDF: 548050.9/35

In: 81.795 $\pm$ 0.014 χ^2 /NDF:352734.6/30

Out: 82.216 $\pm$ 0.014 χ^2 /NDF:436655.7/33

All: 82.009 $\pm$ 0.010 χ^2 /NDF: 789854.9/64

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -1445.945+/-283.982 χ^2/NDF :30.3/14

Right Out: 962.932+/-589.071 χ^2/NDF : 11.5/18

Left In: -224.974+/-287.639 χ^2/NDF :15.7/13

Left: -843.271+/-202.086 χ^2/NDF : 55.1/28

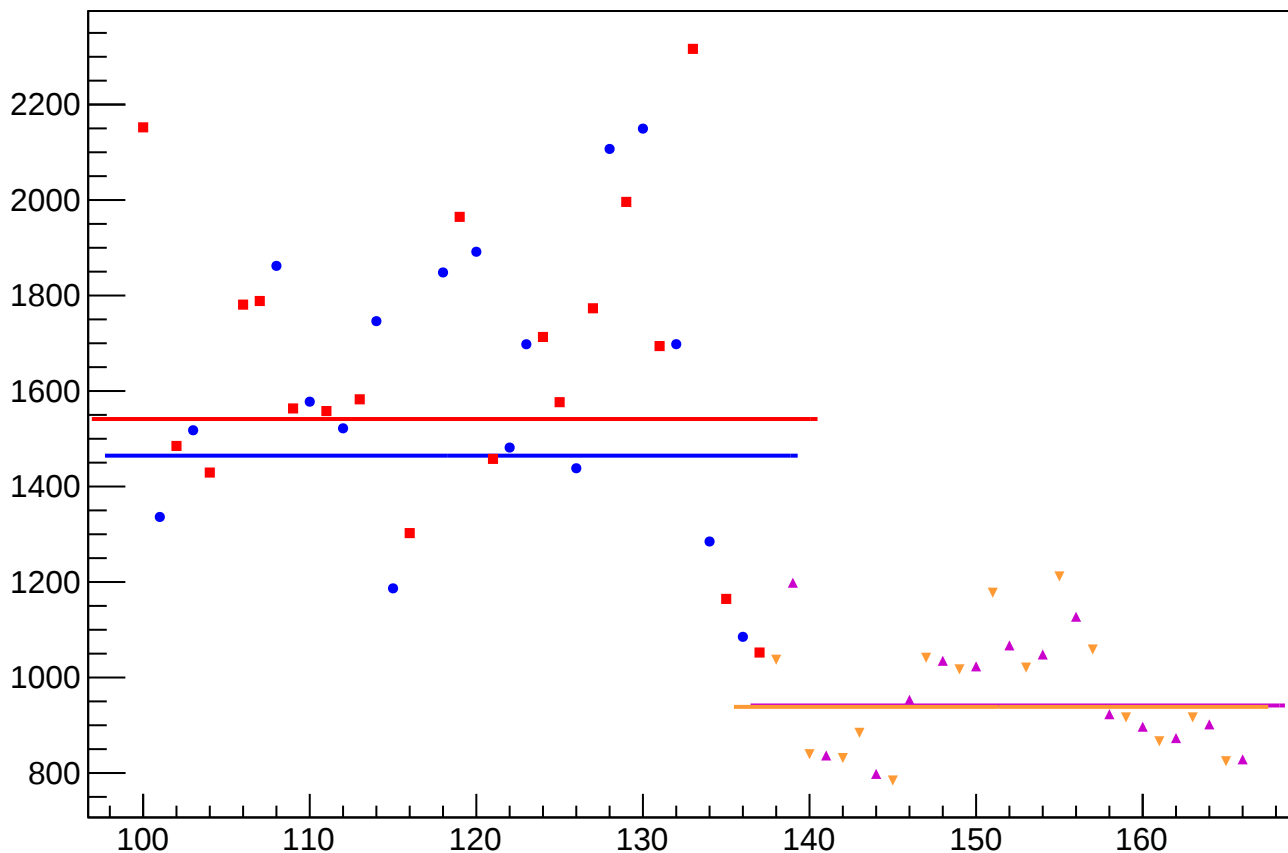
Right: 44.847+/-414.477 χ^2/NDF : 36.6/35

In: -348.274+/-257.977 χ^2/NDF :36.9/30

Out: -991.682+/-255.808 χ^2/NDF :55.4/33

All: -672.694+/-181.646 χ^2/NDF : 95.4/64

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 938.512 $\pm$ 0.201 χ^2 /NDF: 348593.8/14

Right Out: 1541.388 $\pm$ 0.417 χ^2 /NDF: 453710.5/18

Left In: 941.438 $\pm$ 0.203 χ^2 /NDF: 291314.8/13

Left: 939.956 $\pm$ 0.143 χ^2 /NDF: 640013.3/28

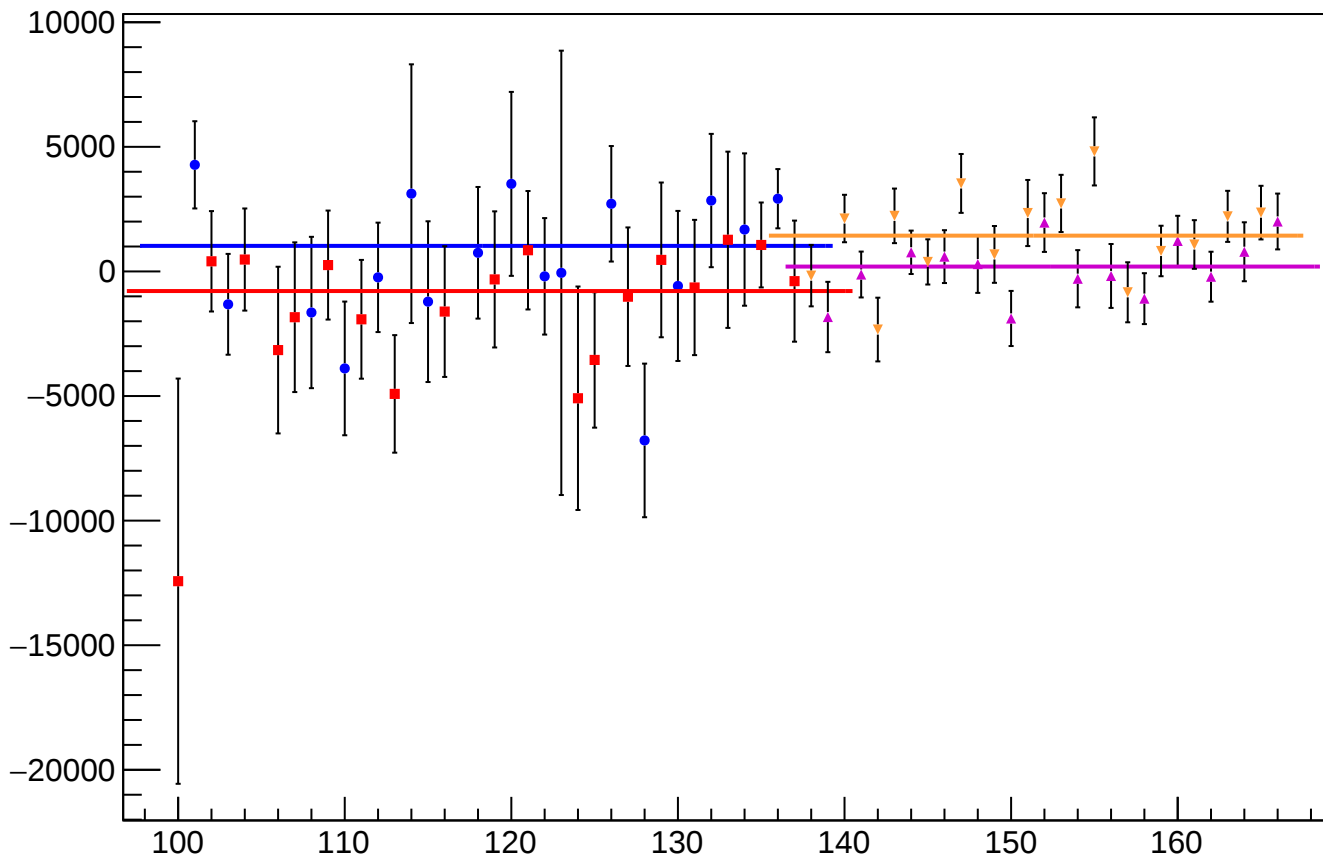
Right: 1502.634 $\pm$ 0.293 χ^2 /NDF: 1031717.7/35

In: 1043.781 $\pm$ 0.182 χ^2 /NDF: 2146551.2/30

Out: 1052.202 $\pm$ 0.181 χ^2 /NDF: 2502100.2/33

All: 1048.027 $\pm$ 0.128 χ^2 /NDF: 4649726.0/64

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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: 195.240 $\pm$ 288.779 χ^2 /NDF:14.5/13

Left: 823.700 $\pm$ 202.897 χ^2 /NDF: 53.4/28

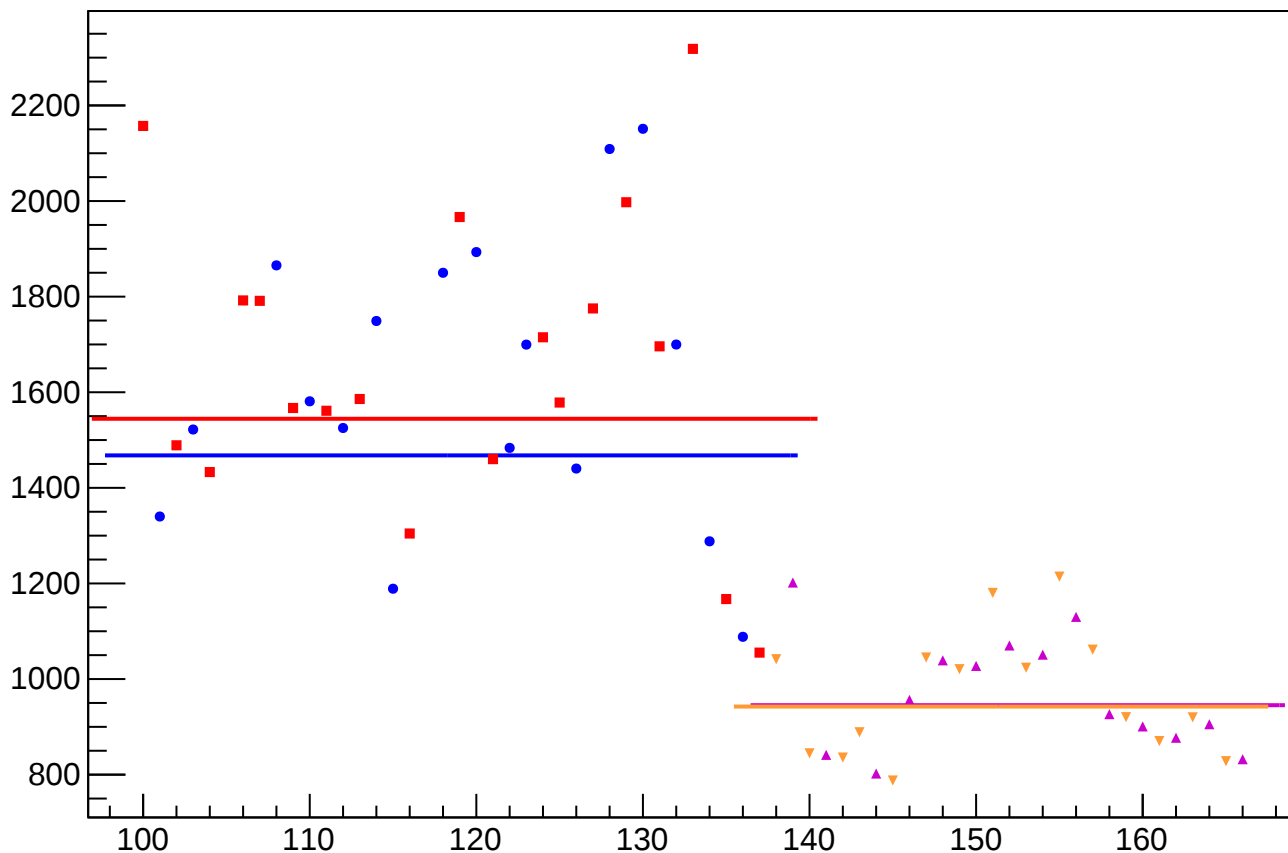
Right: 128.343 $\pm$ 415.370 χ^2 /NDF: 36.9/35

In: 358.146 $\pm$ 258.904 χ^2 /NDF:37.0/30

Out: 1015.873 $\pm$ 256.758 χ^2 /NDF:52.3/33

All: 689.746 $\pm$ 182.309 χ^2 /NDF: 92.6/64

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905±/0.413 χ^2/NDF : 557458.9/16

Left Out: 942.468±/0.202 χ^2/NDF :343897.0/14

Right Out: 1544.513±/0.417 χ^2/NDF : 451805.9/18

Left In: 945.283±/0.204 χ^2/NDF :287290.2/13

Left: 943.857±/0.143 χ^2/NDF : 631283.4/28

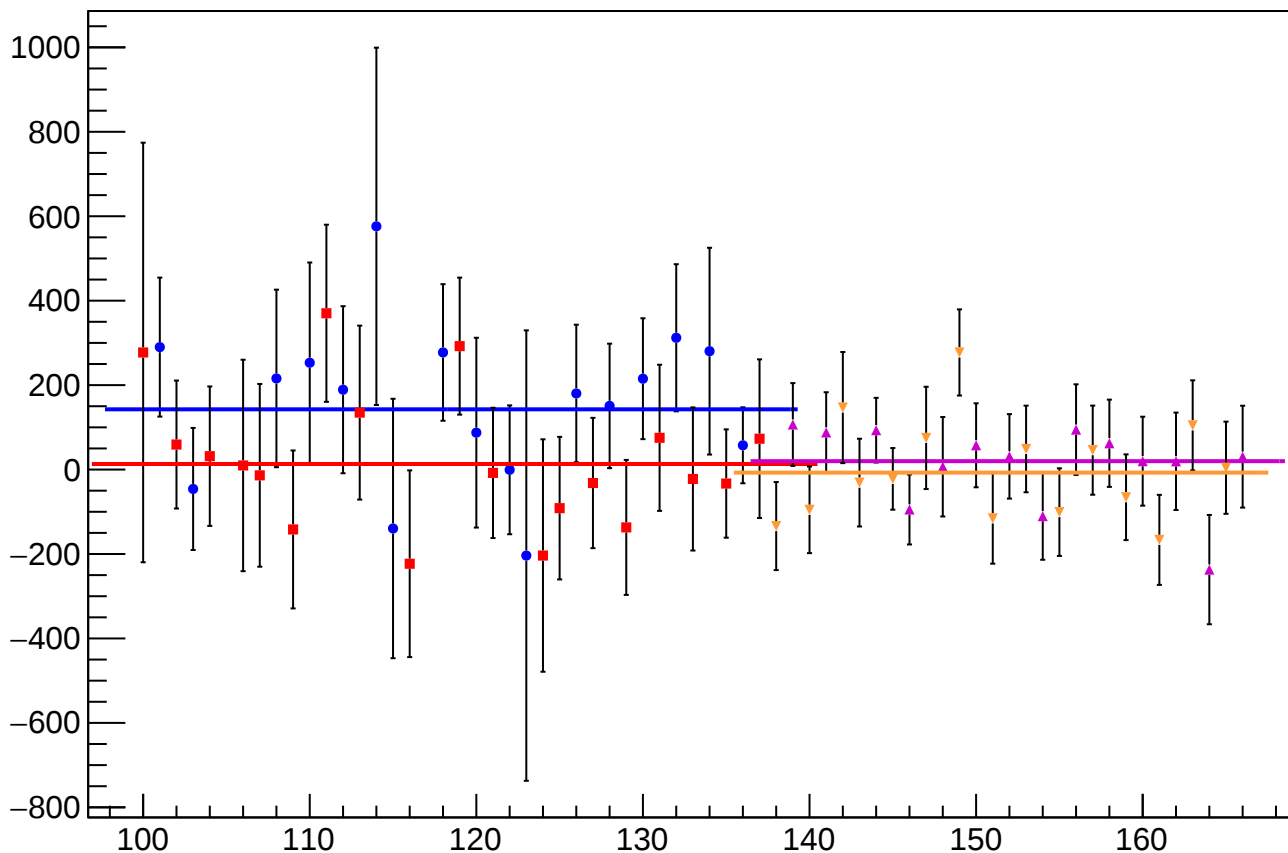
Right: 1505.825±/0.294 χ^2/NDF : 1026270.9/35

In: 1047.824±/0.183 χ^2/NDF :2129986.5/30

Out: 1056.336±/0.182 χ^2/NDF :2482111.0/33

All: 1052.115±/0.129 χ^2/NDF : 4613187.5/64

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -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: 19.905 $\pm$ 27.001 χ^2 /NDF:10.5/13

Left: 6.139 $\pm$ 18.959 χ^2 /NDF: 29.0/28

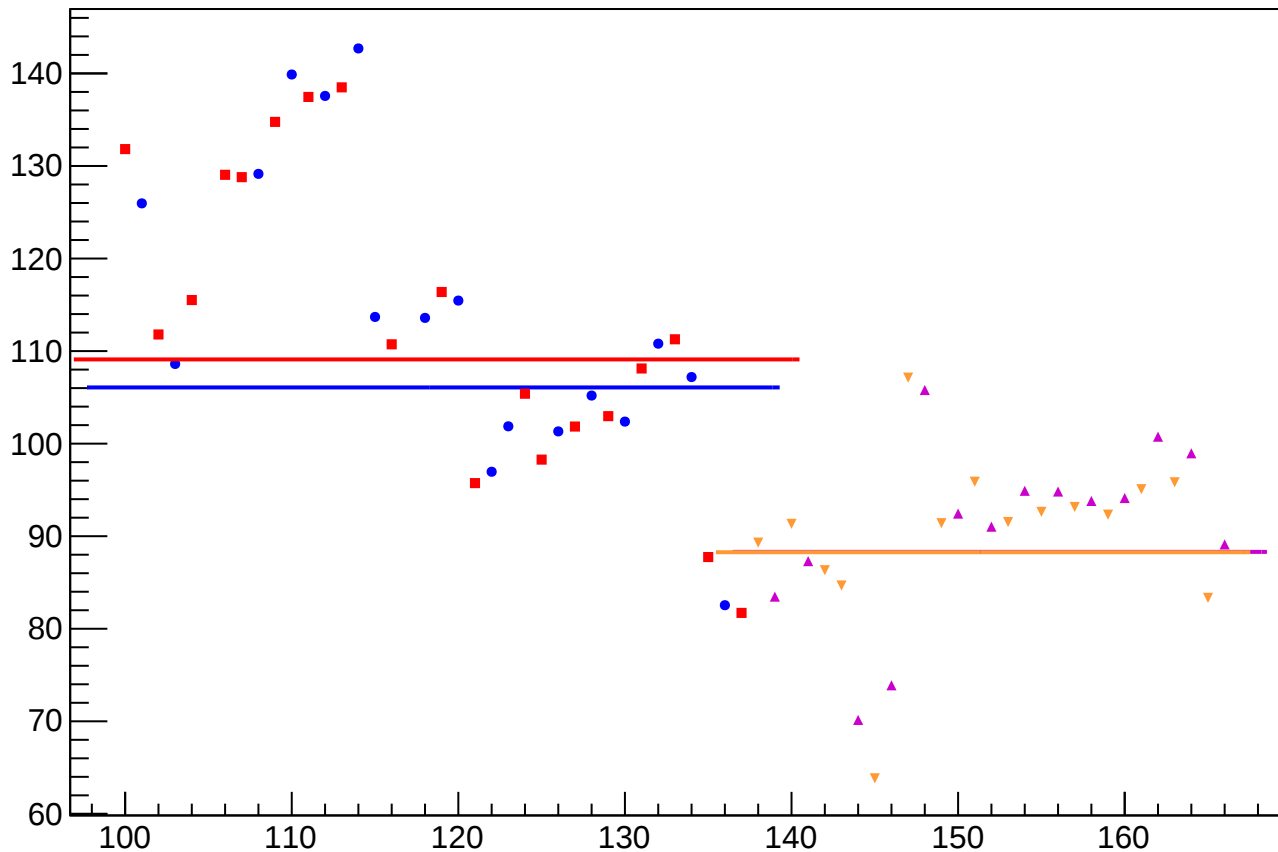
Right: 77.572 $\pm$ 29.352 χ^2 /NDF: 25.0/35

In: 56.267 $\pm$ 22.653 χ^2 /NDF:25.9/30

Out: -1.270 $\pm$ 22.394 χ^2 /NDF:29.0/33

All: 27.168 $\pm$ 15.926 χ^2 /NDF: 58.2/64

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 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: 88.306 $\pm$ 0.019 χ^2 /NDF:291190.2/13

Left: 88.287 $\pm$ 0.013 χ^2 /NDF: 615896.1/28

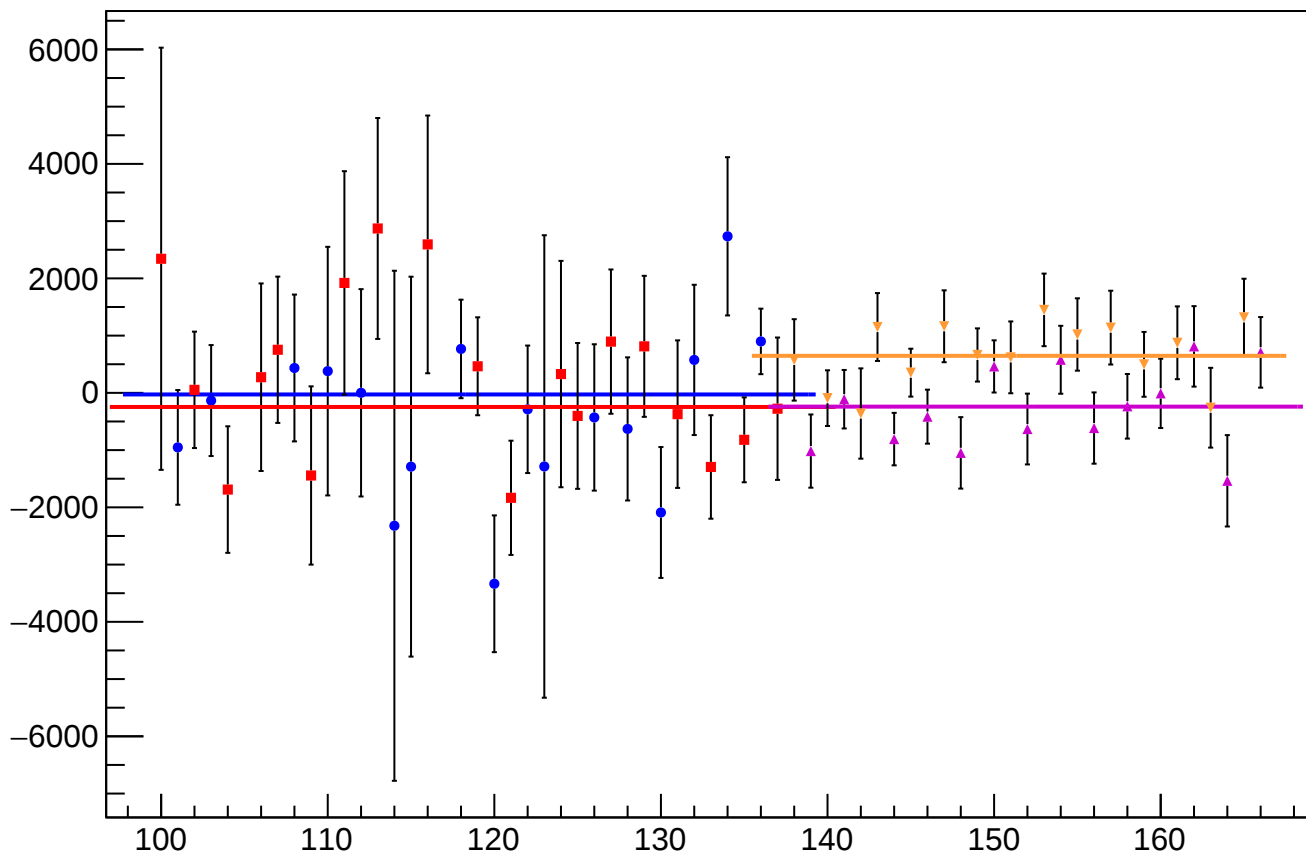
Right: 107.595 $\pm$ 0.021 χ^2 /NDF: 608619.1/35

In: 93.568 $\pm$ 0.016 χ^2 /NDF:865586.3/30

Out: 94.365 $\pm$ 0.016 χ^2 /NDF:968343.7/33

All: 93.971 $\pm$ 0.011 χ^2 /NDF: 1835183.5/64

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 $\pm$ 283.741 χ^2 /NDF: 20.5/16

Left Out: 647.009 $\pm$ 151.955 χ^2 /NDF:11.3/14

Right Out: -246.386 $\pm$ 279.451 χ^2 /NDF: 15.9/18

Left In: -240.666 $\pm$ 152.443 χ^2 /NDF:17.3/13

Left: 204.596 $\pm$ 107.621 χ^2 /NDF: 45.6/28

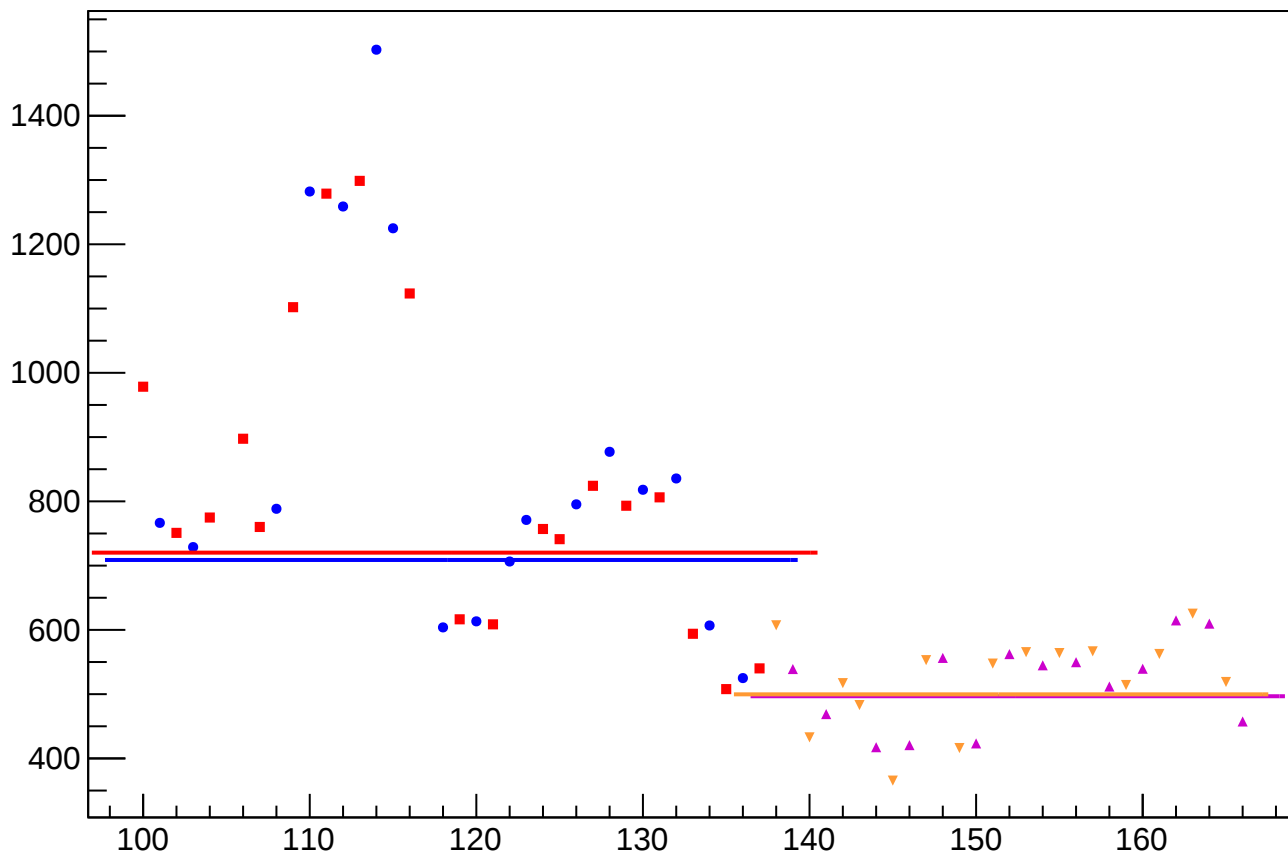
Right: -138.842 $\pm$ 199.101 χ^2 /NDF: 36.7/35

In: -193.023 $\pm$ 134.289 χ^2 /NDF:38.3/30

Out: 443.133 $\pm$ 133.495 χ^2 /NDF:35.0/33

All: 126.941 $\pm$ 94.675 χ^2 /NDF: 84.6/64

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 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: 496.759 $\pm$ 0.108 χ^2 /NDF: 362744.9/13

Left: 498.242 $\pm$ 0.076 χ^2 /NDF: 896529.2/28

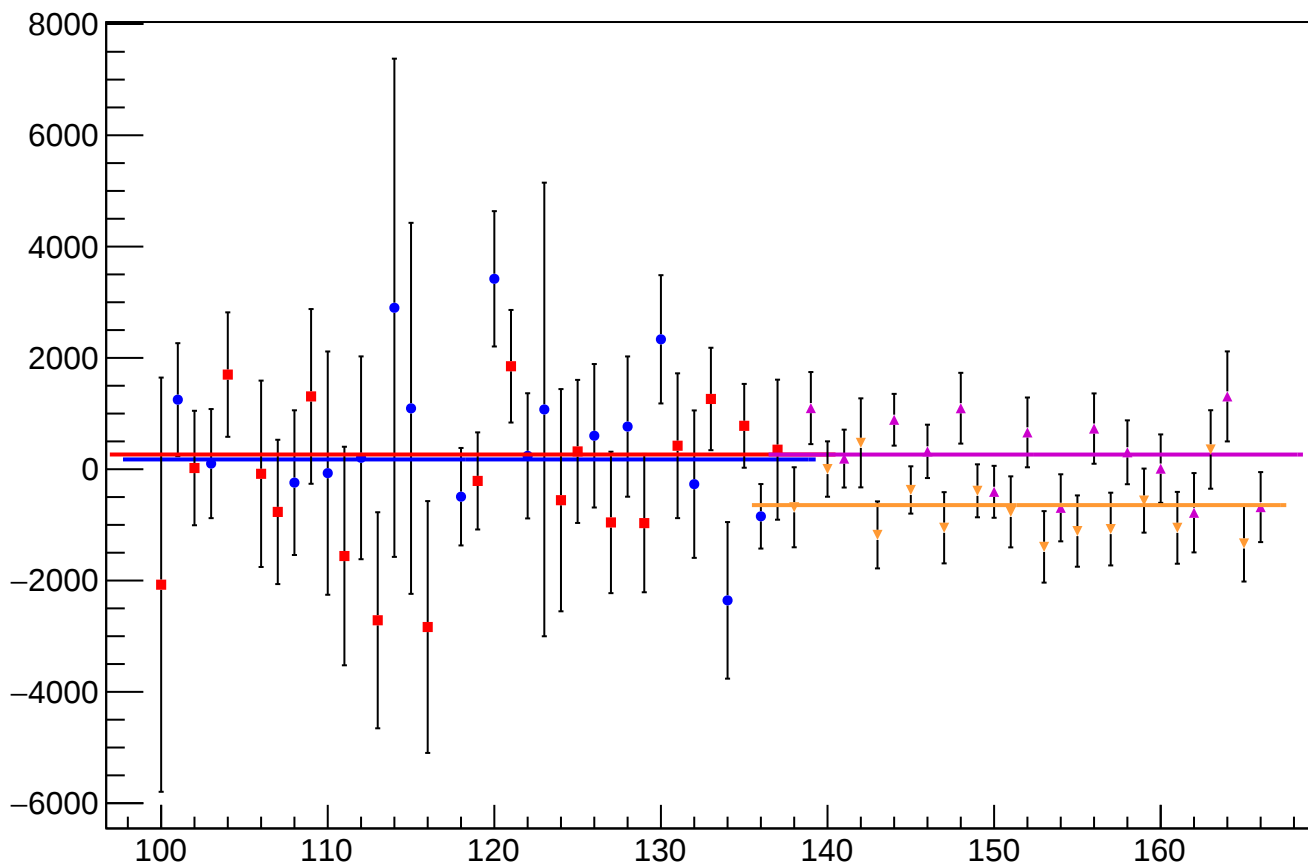
Right: 714.580 $\pm$ 0.141 χ^2 /NDF: 1695116.1/35

In: 544.251 $\pm$ 0.095 χ^2 /NDF: 2022898.7/30

Out: 550.032 $\pm$ 0.094 χ^2 /NDF: 2394238.5/33

All: 547.159 $\pm$ 0.067 χ^2 /NDF: 4419001.3/64

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -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: 263.652 $\pm$ 154.963 χ^2 /NDF:17.0/13

Left: -191.962 $\pm$ 109.397 χ^2 /NDF: 45.6/28

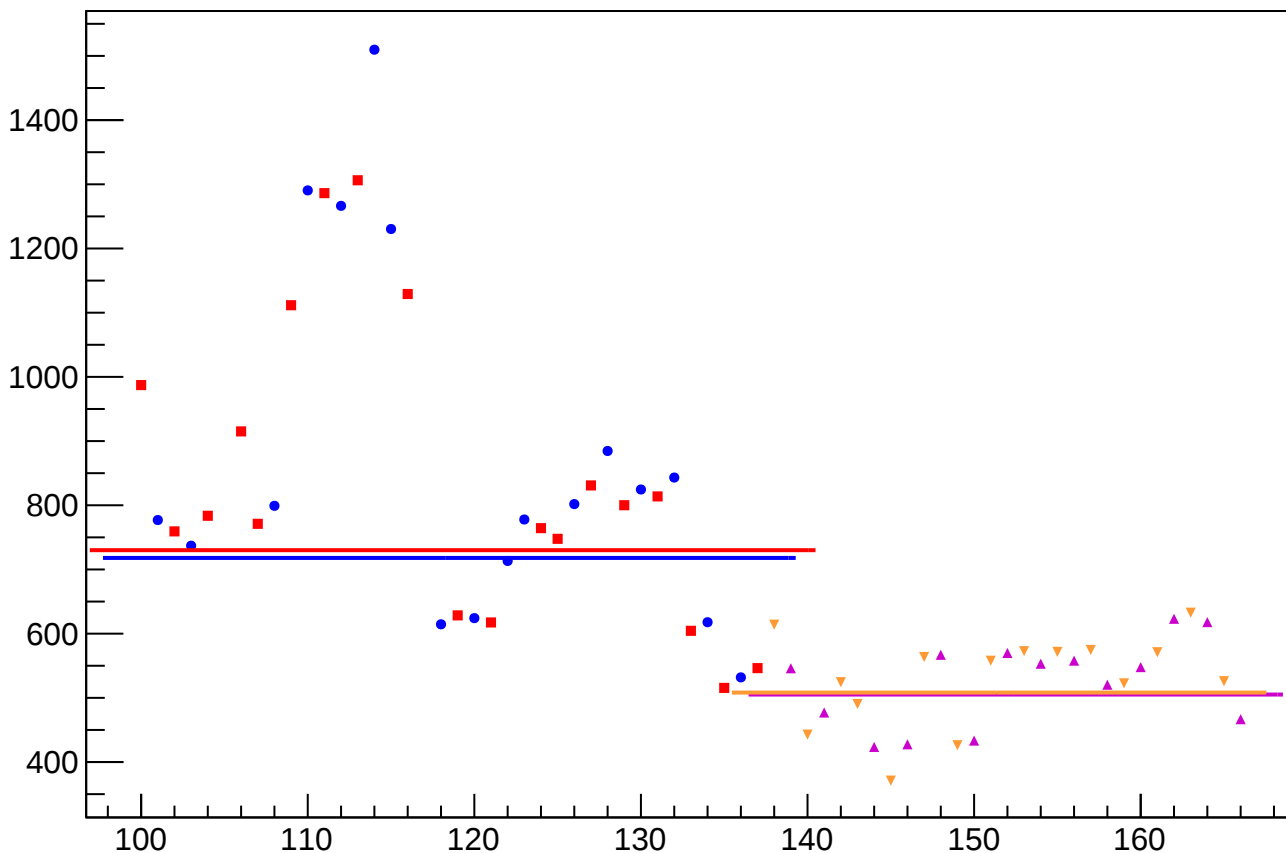
Right: 220.883 $\pm$ 201.613 χ^2 /NDF: 34.6/35

In: 243.857 $\pm$ 136.380 χ^2 /NDF:36.8/30

Out: -436.011 $\pm$ 135.587 χ^2 /NDF:34.1/33

All: -98.058 $\pm$ 96.154 χ^2 /NDF: 83.4/64

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 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: 505.146 $\pm$ 0.110 χ^2 /NDF: 354390.7/13

Left: 506.691 $\pm$ 0.077 χ^2 /NDF: 874414.4/28

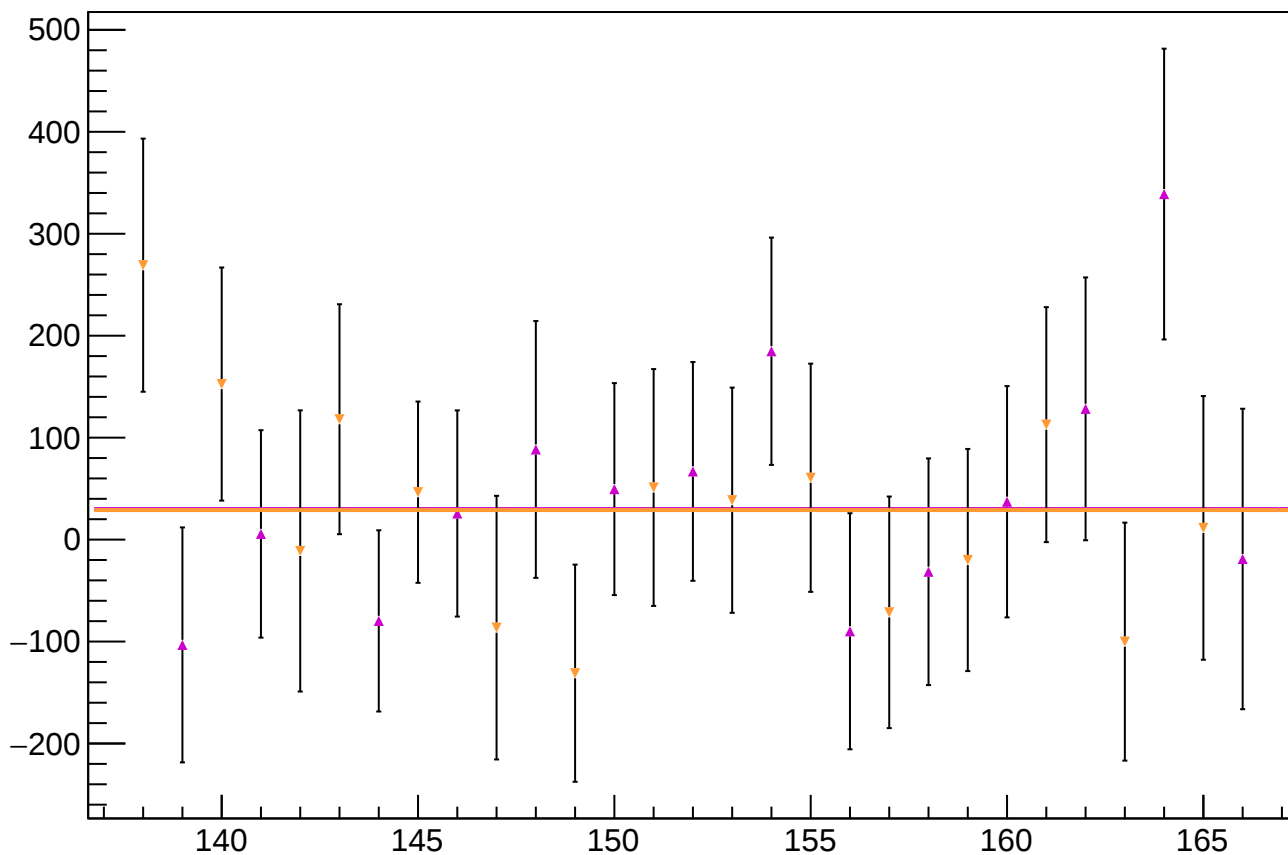
Right: 724.094 $\pm$ 0.143 χ^2 /NDF: 1662212.8/35

In: 553.130 $\pm$ 0.096 χ^2 /NDF: 1983528.0/30

Out: 559.115 $\pm$ 0.096 χ^2 /NDF: 2347758.2/33

All: 556.140 $\pm$ 0.068 χ^2 /NDF: 4333223.3/64

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 28.973 $\pm$ 29.447 χ^2 /NDF:11.6/14

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

Left In: 29.921 $\pm$ 30.045 χ^2 /NDF:12.0/13

Left: 29.437 $\pm$ 21.030 χ^2 /NDF: 23.6/28

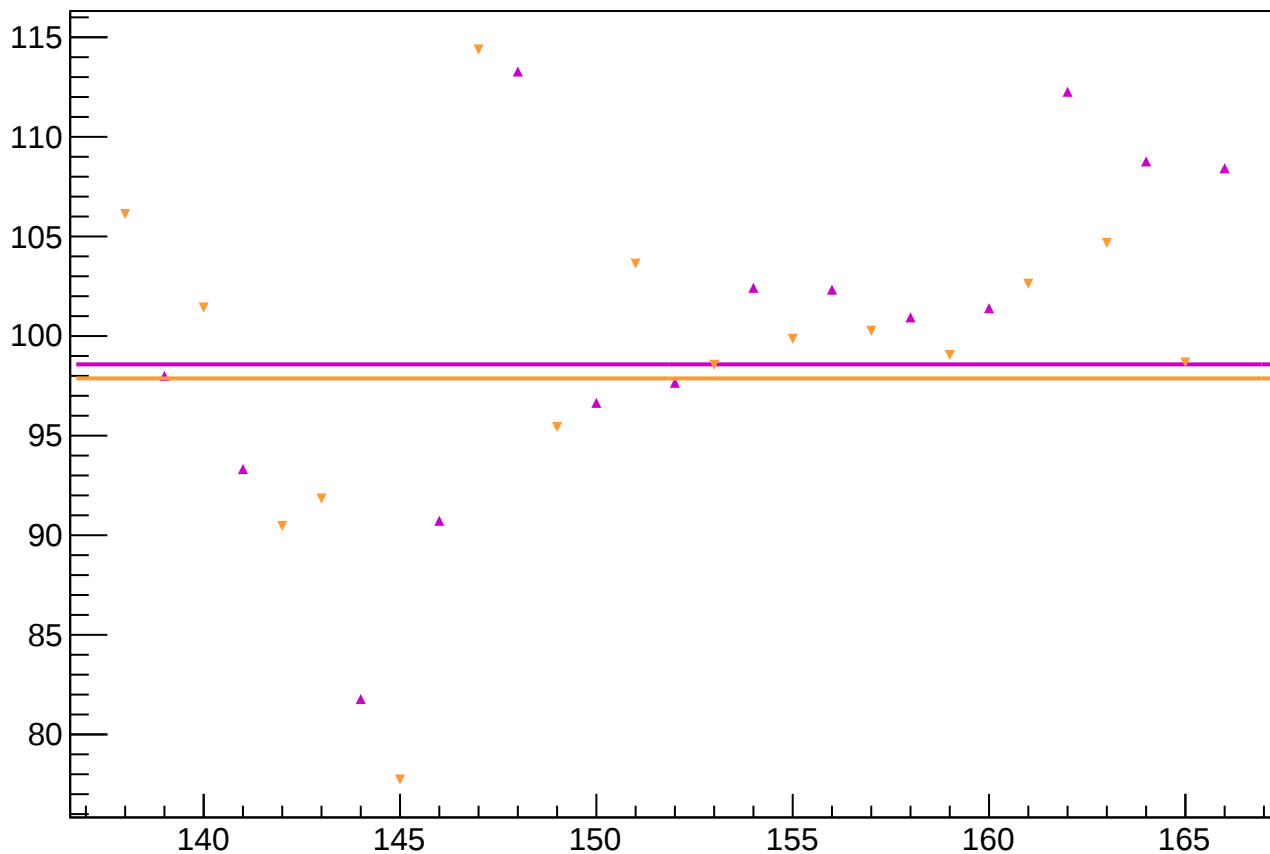
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 29.921 $\pm$ 30.045 χ^2 /NDF:12.0/13

Out: 28.973 $\pm$ 29.447 χ^2 /NDF:11.6/14

All: 29.437 $\pm$ 21.030 χ^2 /NDF: 23.6/28

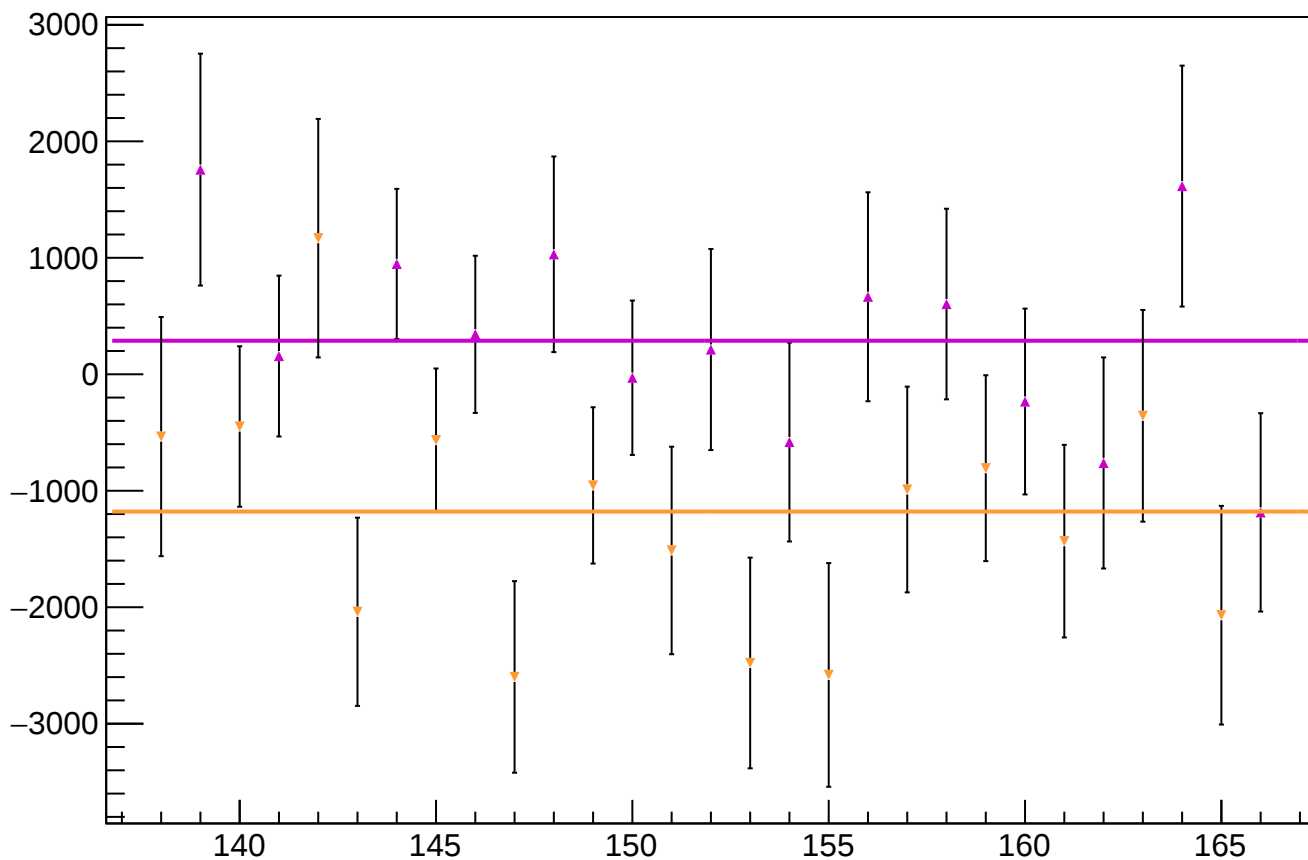
reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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: 98.579+/-0.021 χ^2/NDF :165295.5/13

Left: 98.219+/-0.015 χ^2/NDF : 341394.8/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 98.579+/-0.021 χ^2/NDF :165295.5/13
 Out: 97.874+/-0.021 χ^2/NDF :175537.9/14
 All: 98.219+/-0.015 χ^2/NDF : 341394.8/28

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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: 287.998+/-213.408 χ^2/NDF :12.1/13

Left: -447.862+/-150.633 χ^2/NDF : 54.2/28

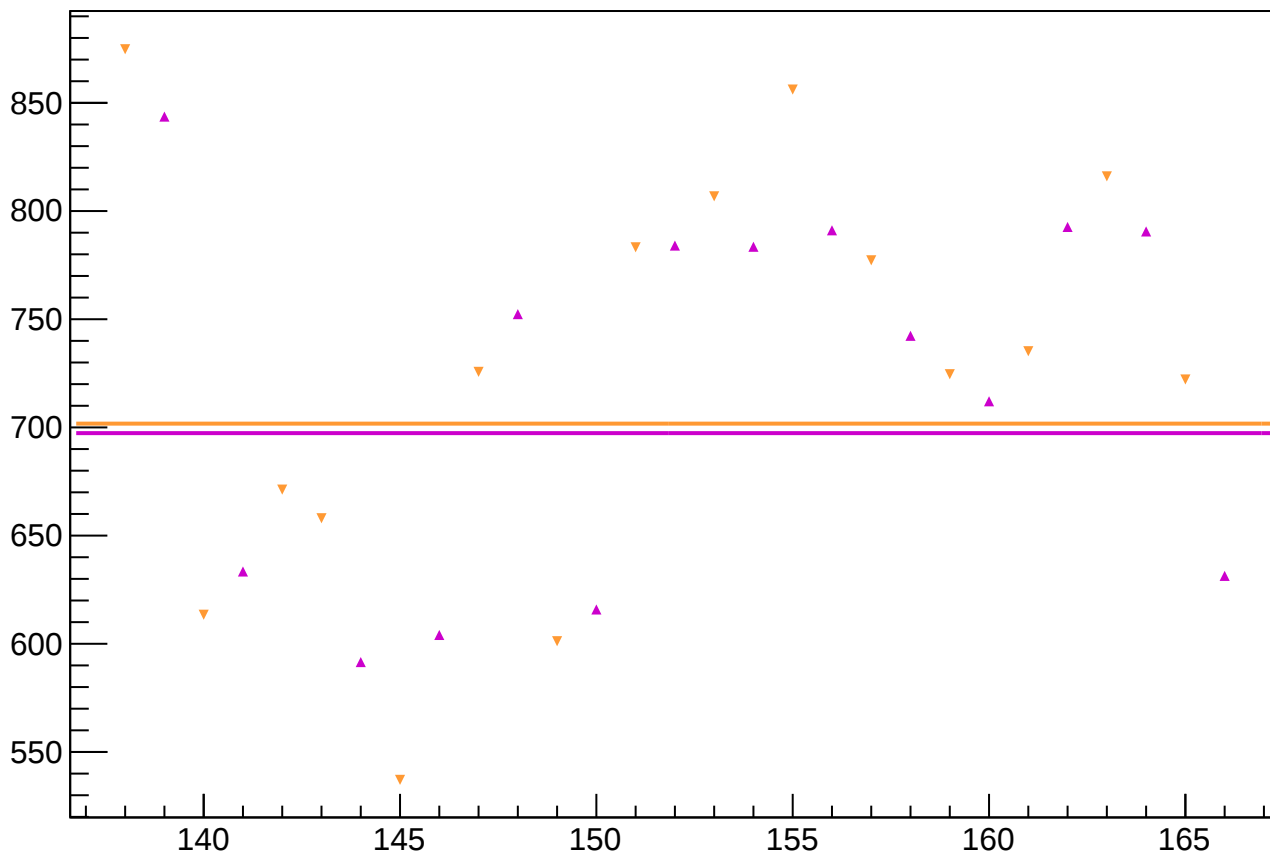
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 287.998+/-213.408 χ^2/NDF :12.1/13

Out: -1178.501+/-212.649 χ^2/NDF :18.4/14

All: -447.862+/-150.633 χ^2/NDF : 54.2/28

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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: 697.358+/-0.151 χ^2/NDF : 310749.8/13

Left: 699.562+/-0.107 χ^2/NDF : 746060.8/28

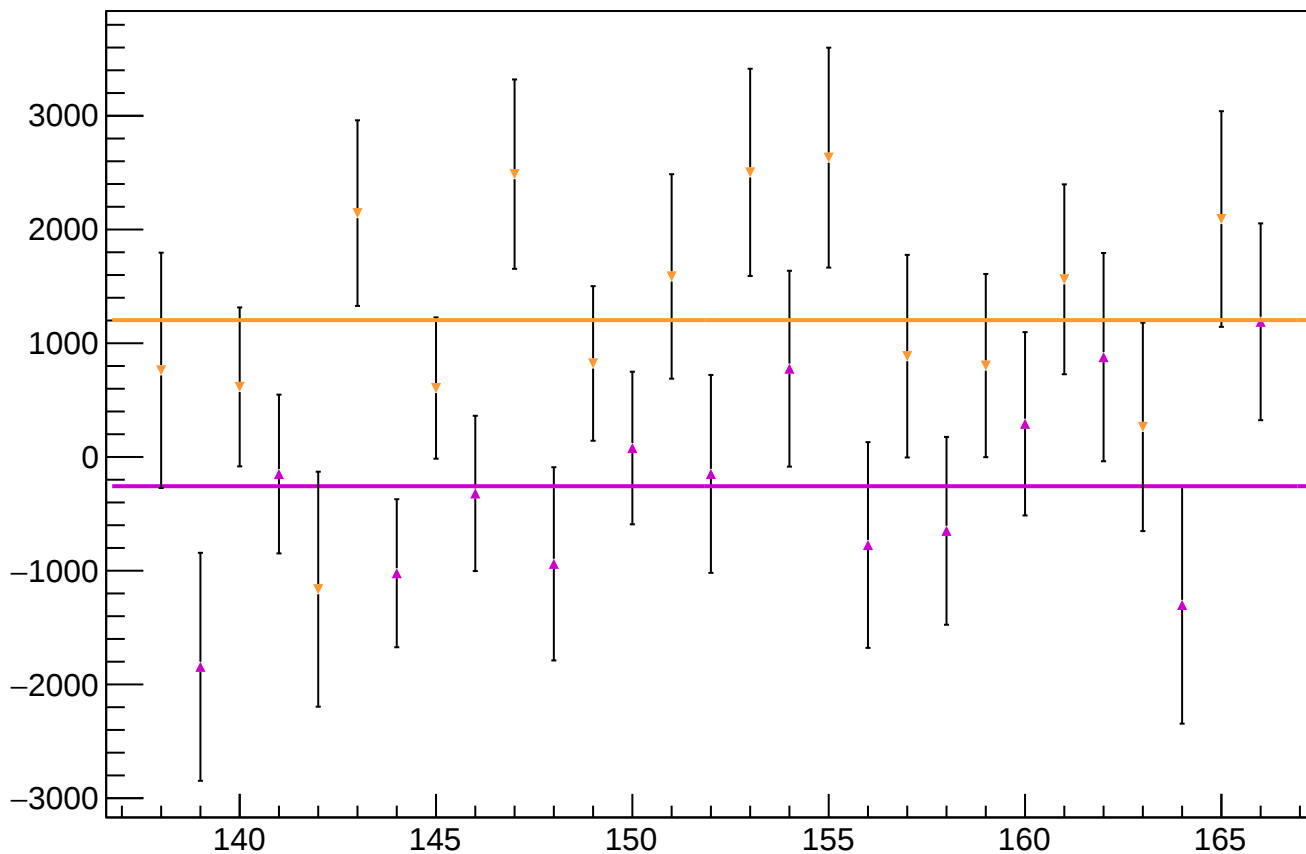
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 697.358+/-0.151 χ^2/NDF : 310749.8/13

Out: 701.751+/-0.150 χ^2/NDF : 434885.9/14

All: 699.562+/-0.107 χ^2/NDF : 746060.8/28

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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: -257.046+/-215.636 χ^2/NDF :12.6/13

Left: 475.933+/-152.184 χ^2/NDF : 53.6/28

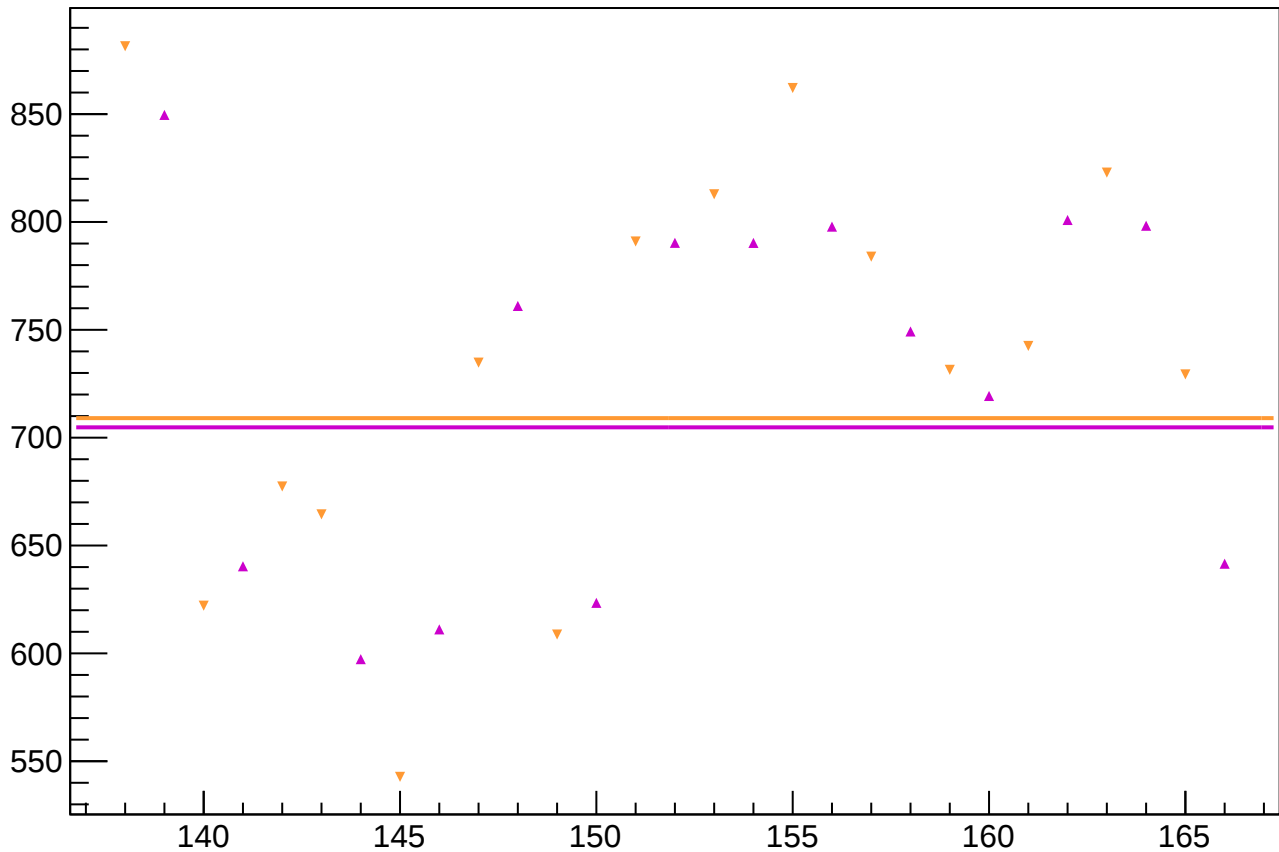
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -257.046+/-215.636 χ^2/NDF :12.6/13

Out: 1203.287+/-214.807 χ^2/NDF :18.0/14

All: 475.933+/-152.184 χ^2/NDF : 53.6/28

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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: 704.787+/-0.152 χ^2/NDF :304602.8/13

Left: 706.933+/-0.108 χ^2/NDF : 731550.1/28

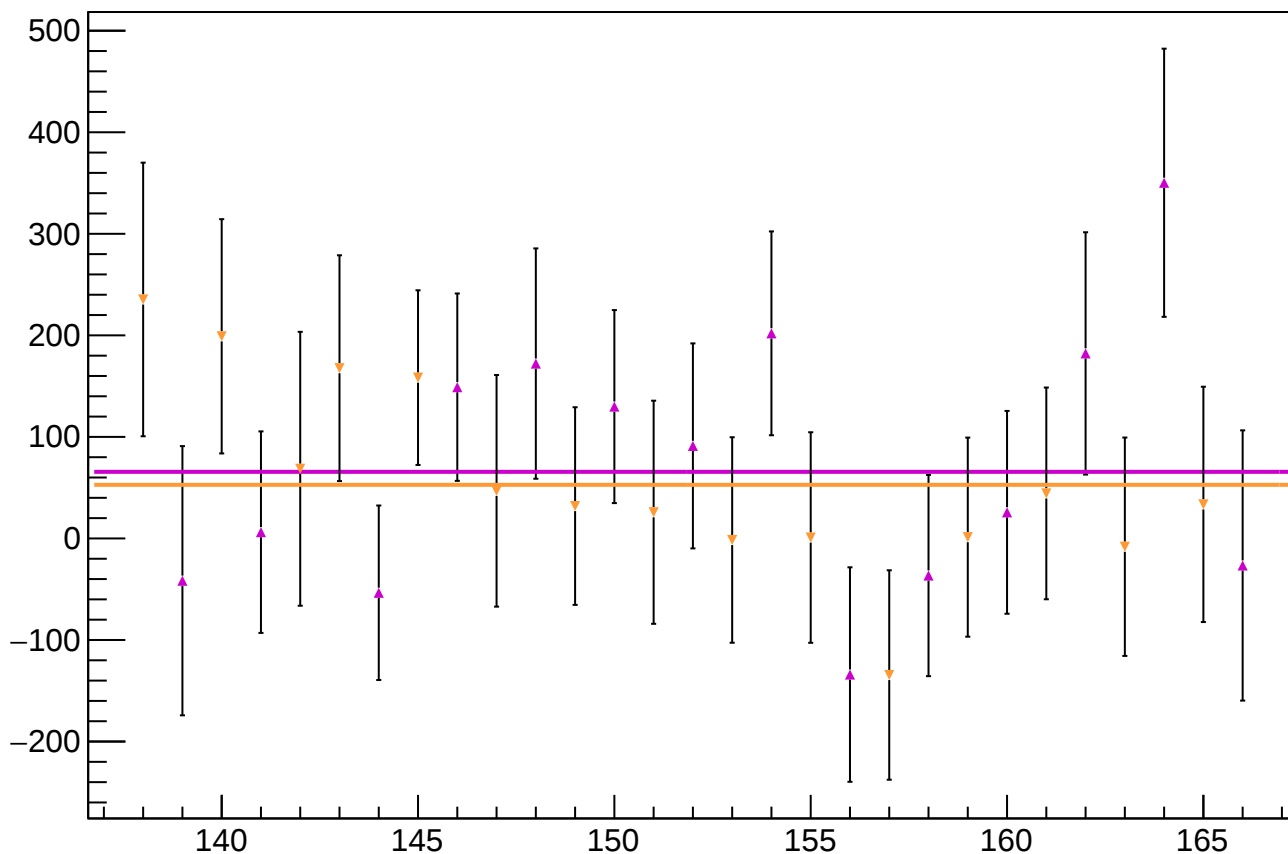
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 704.787+/-0.152 χ^2/NDF :304602.8/13

Out: 709.061+/-0.152 χ^2/NDF :426552.9/14

All: 706.933+/-0.108 χ^2/NDF : 731550.1/28

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 52.799+/-27.646 χ^2/NDF :10.6/14

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

Left In: 65.600+/-28.028 χ^2/NDF :17.9/13

Left: 59.112+/-19.682 χ^2/NDF : 28.6/28

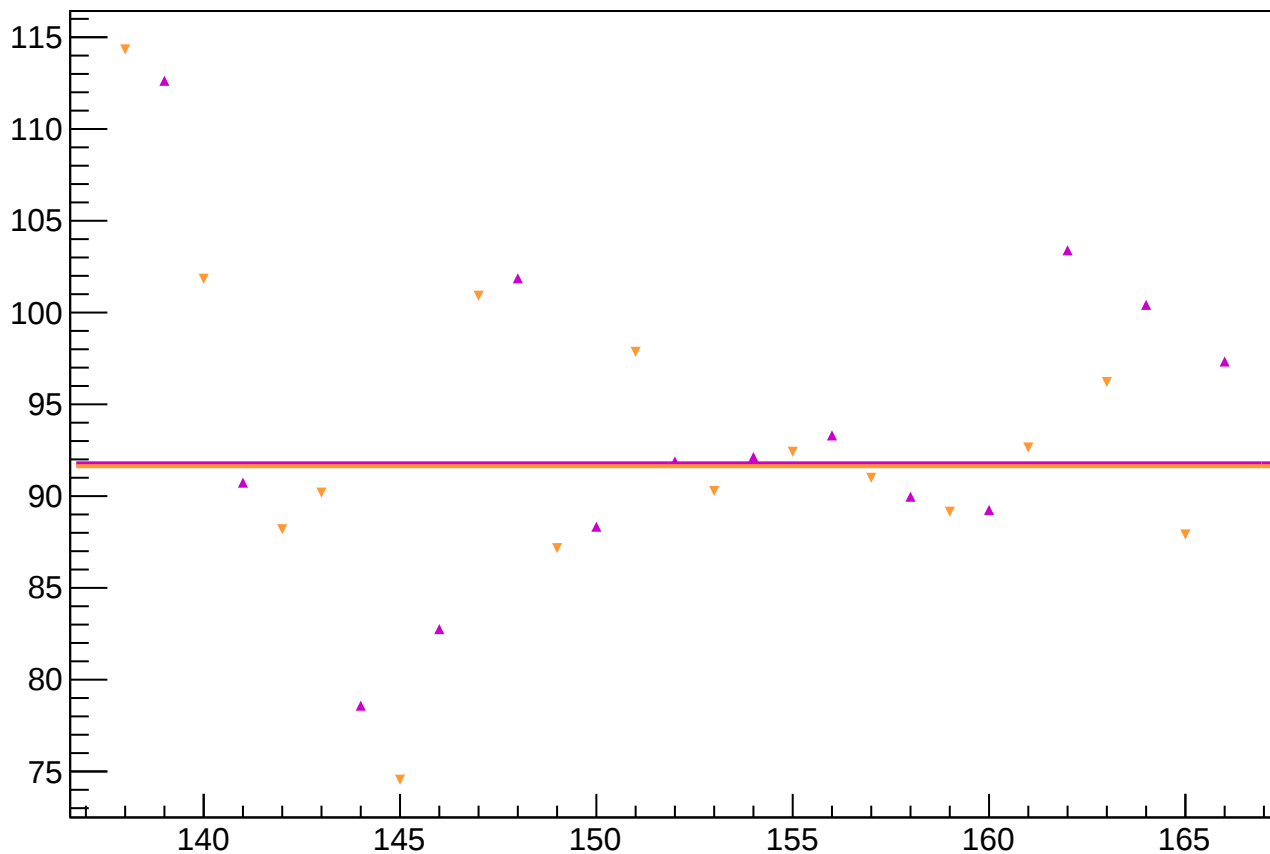
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 65.600+/-28.028 χ^2/NDF :17.9/13

Out: 52.799+/-27.646 χ^2/NDF :10.6/14

All: 59.112+/-19.682 χ^2/NDF : 28.6/28

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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: 91.784+/-0.020 χ^2/NDF :167810.9/13

Left: 91.706+/-0.014 χ^2/NDF : 352433.3/28

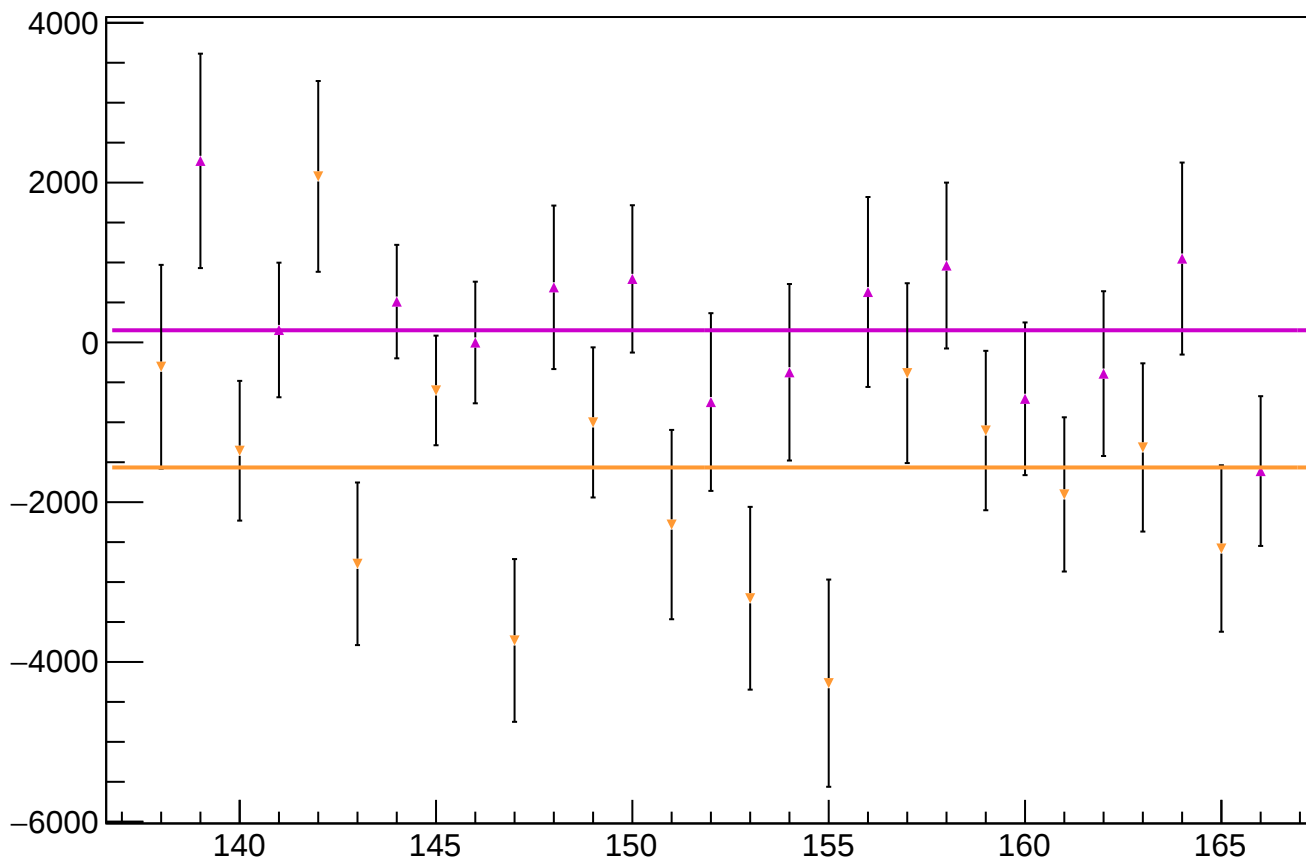
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 91.784+/-0.020 χ^2/NDF :167810.9/13

Out: 91.630+/-0.020 χ^2/NDF :184591.7/14

All: 91.706+/-0.014 χ^2/NDF : 352433.3/28

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1565.498+/-261.949 χ^2/NDF :27.8/14

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

Left In: 151.567+/-258.763 χ^2/NDF :10.4/13

Left: -696.459+/-184.089 χ^2/NDF : 59.9/28

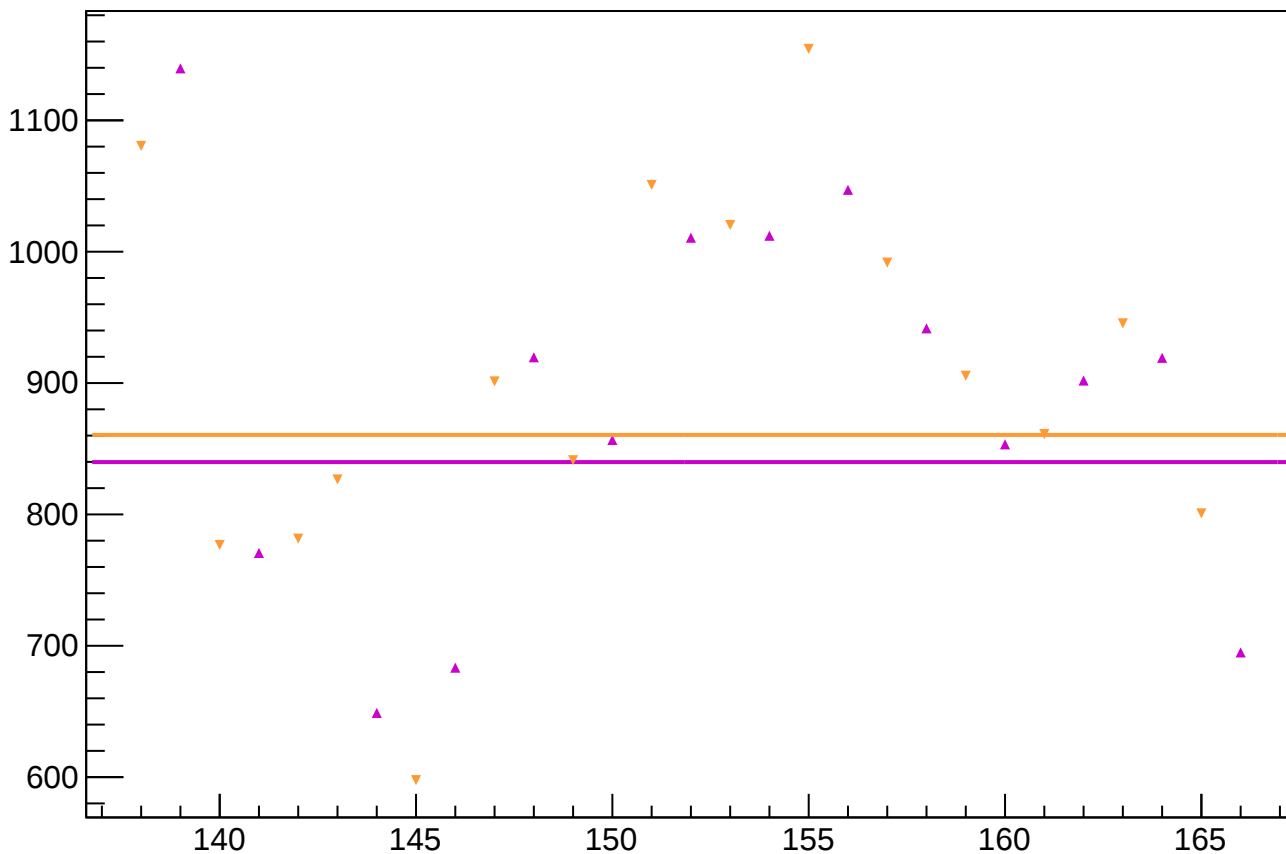
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 151.567+/-258.763 χ^2/NDF :10.4/13

Out: -1565.498+/-261.949 χ^2/NDF :27.8/14

All: -696.459+/-184.089 χ^2/NDF : 59.9/28

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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: 839.848+/-0.183 χ^2/NDF : 595264.9/13

Left: 850.061+/-0.130 χ^2/NDF : 1232225.1/28

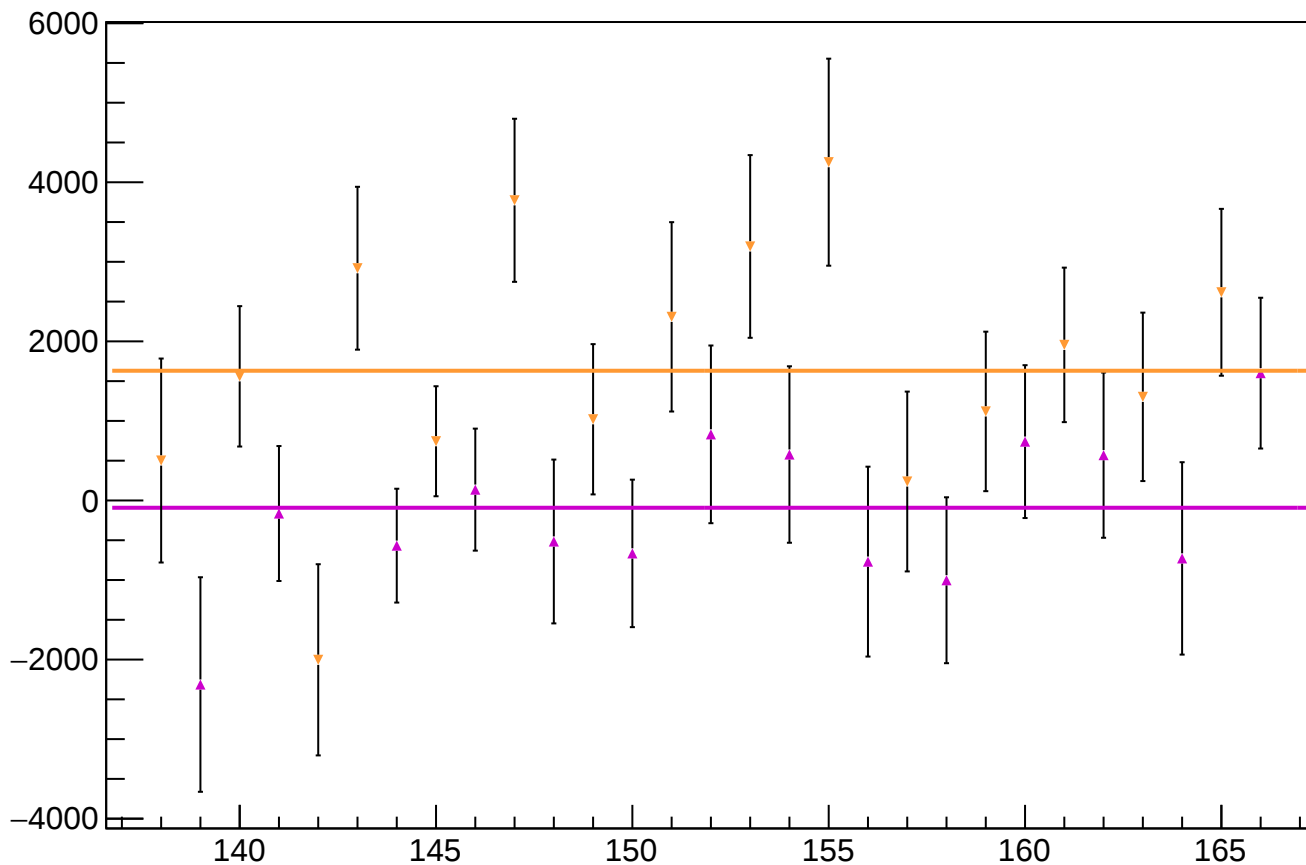
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 839.848+/-0.183 χ^2/NDF : 595264.9/13

Out: 860.527+/-0.185 χ^2/NDF : 630651.6/14

All: 850.061+/-0.130 χ^2/NDF : 1232225.1/28

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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: -91.699+/-260.433 χ^2/NDF :10.6/13

Left: 759.265+/-185.243 χ^2/NDF : 59.2/28

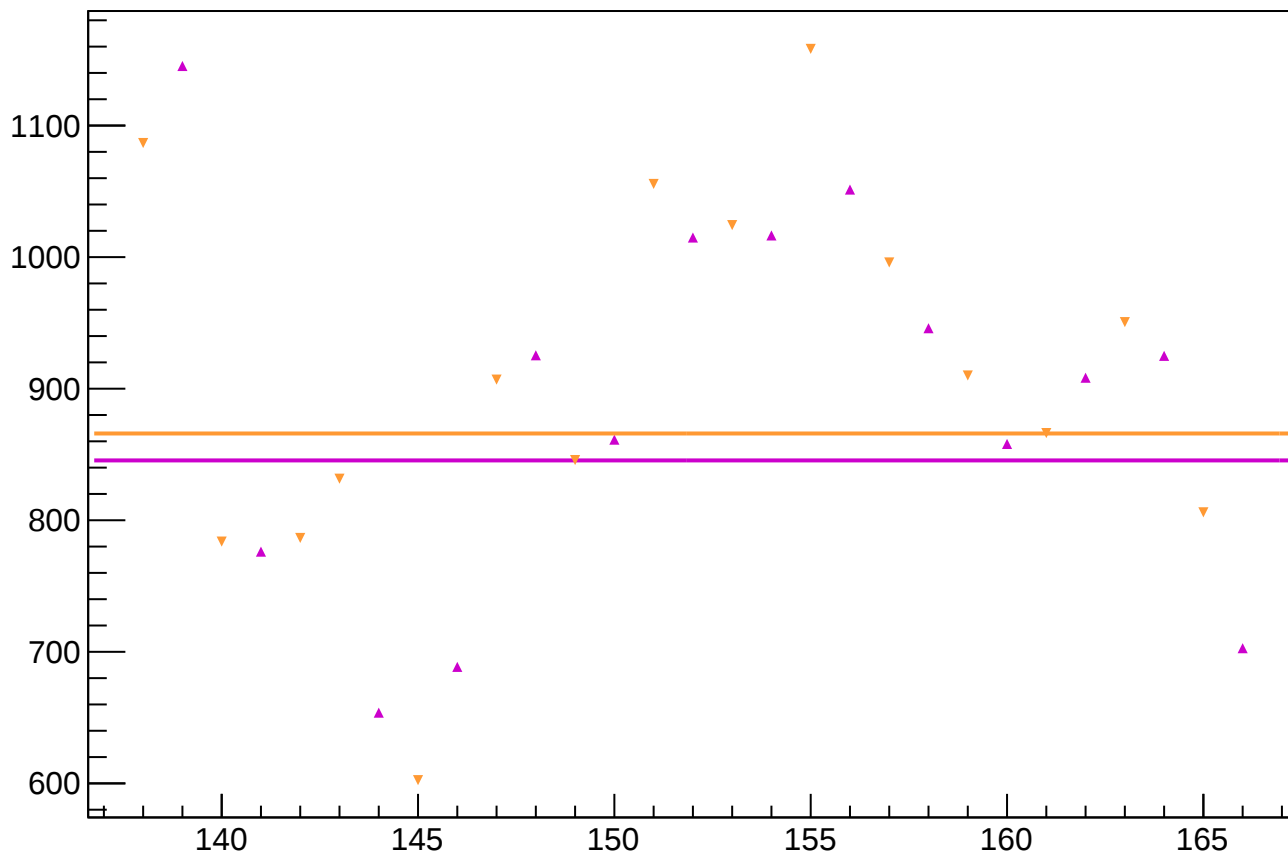
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -91.699+/-260.433 χ^2/NDF :10.6/13

Out: 1630.666+/-263.542 χ^2/NDF :27.0/14

All: 759.265+/-185.243 χ^2/NDF : 59.2/28

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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: 845.484+/-0.184 χ^2/NDF : 585423.1/13

Left: 855.596+/-0.131 χ^2/NDF : 1213081.0/28

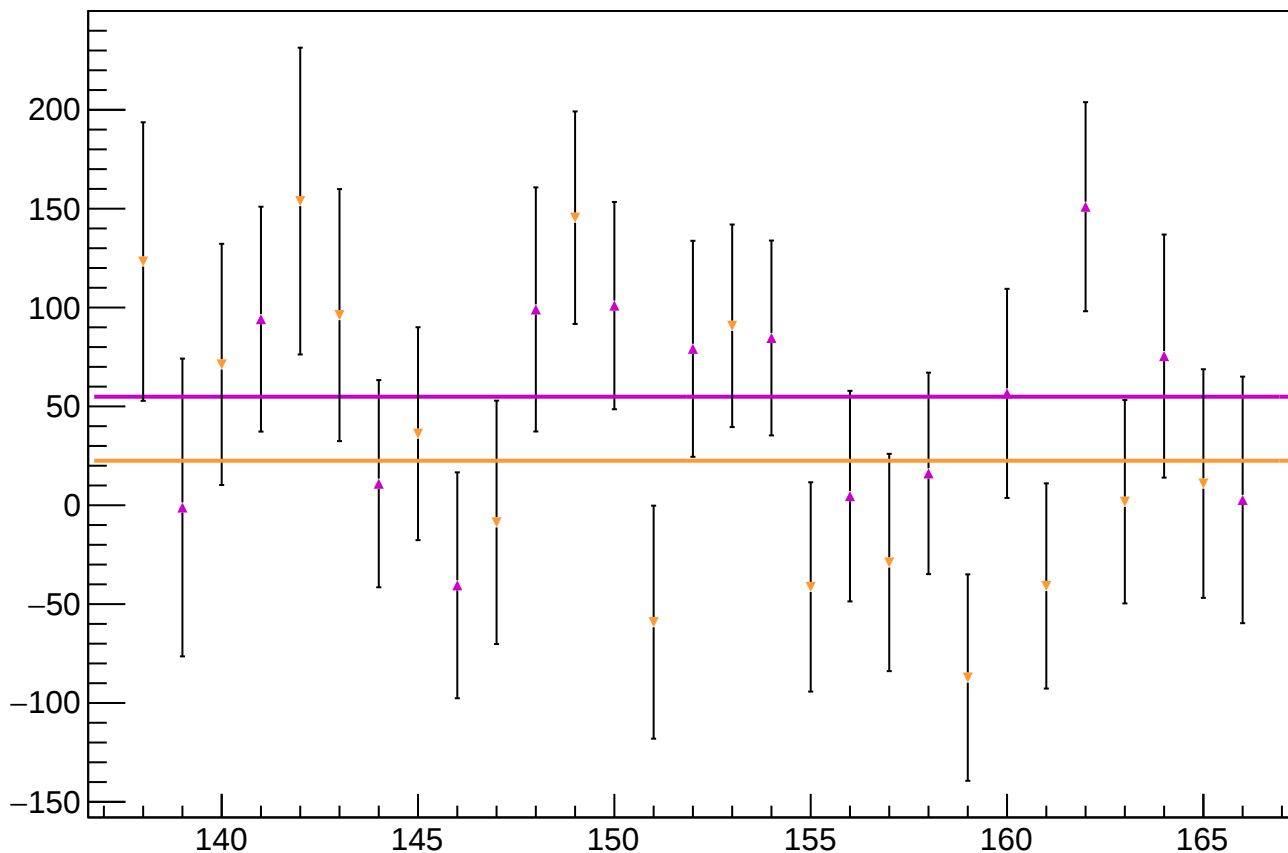
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 845.484+/-0.184 χ^2/NDF : 585423.1/13

Out: 865.951+/-0.186 χ^2/NDF : 621555.2/14

All: 855.596+/-0.131 χ^2/NDF : 1213081.0/28

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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: 54.905 $\pm$ 14.899 χ^2 /NDF:12.0/13

Left: 38.528 $\pm$ 10.474 χ^2 /NDF: 38.9/28

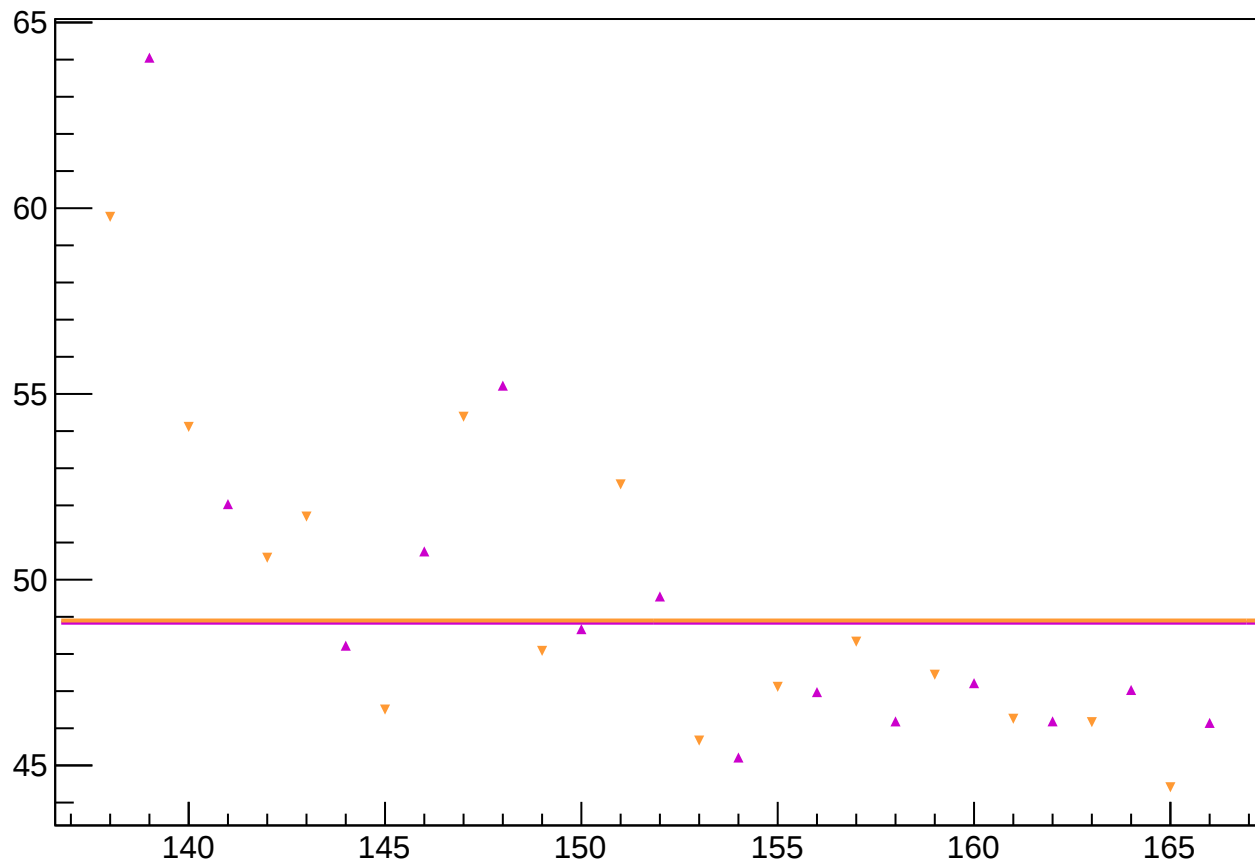
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 54.905 $\pm$ 14.899 χ^2 /NDF:12.0/13

Out: 22.526 $\pm$ 14.727 χ^2 /NDF:24.6/14

All: 38.528 $\pm$ 10.474 χ^2 /NDF: 38.9/28

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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: 48.842+/-0.011 χ^2/NDF :143360.0/13

Left: 48.872+/-0.007 χ^2/NDF : 273361.4/28

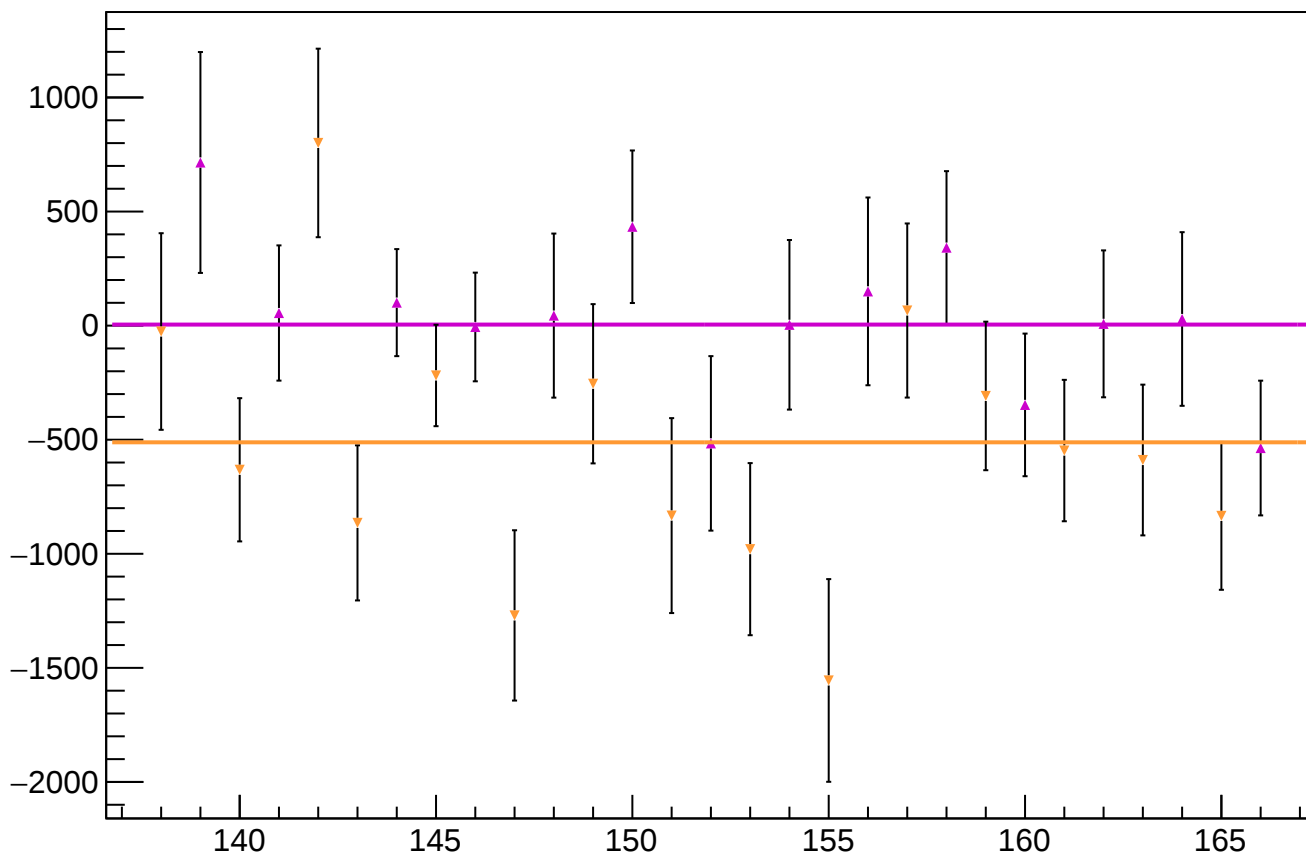
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 48.842+/-0.011 χ^2/NDF :143360.0/13

Out: 48.901+/-0.010 χ^2/NDF :129985.8/14

All: 48.872+/-0.007 χ^2/NDF : 273361.4/28

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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: 4.606+/-85.977 χ^2/NDF :11.6/13

Left: -246.934+/-61.553 χ^2/NDF : 59.6/28

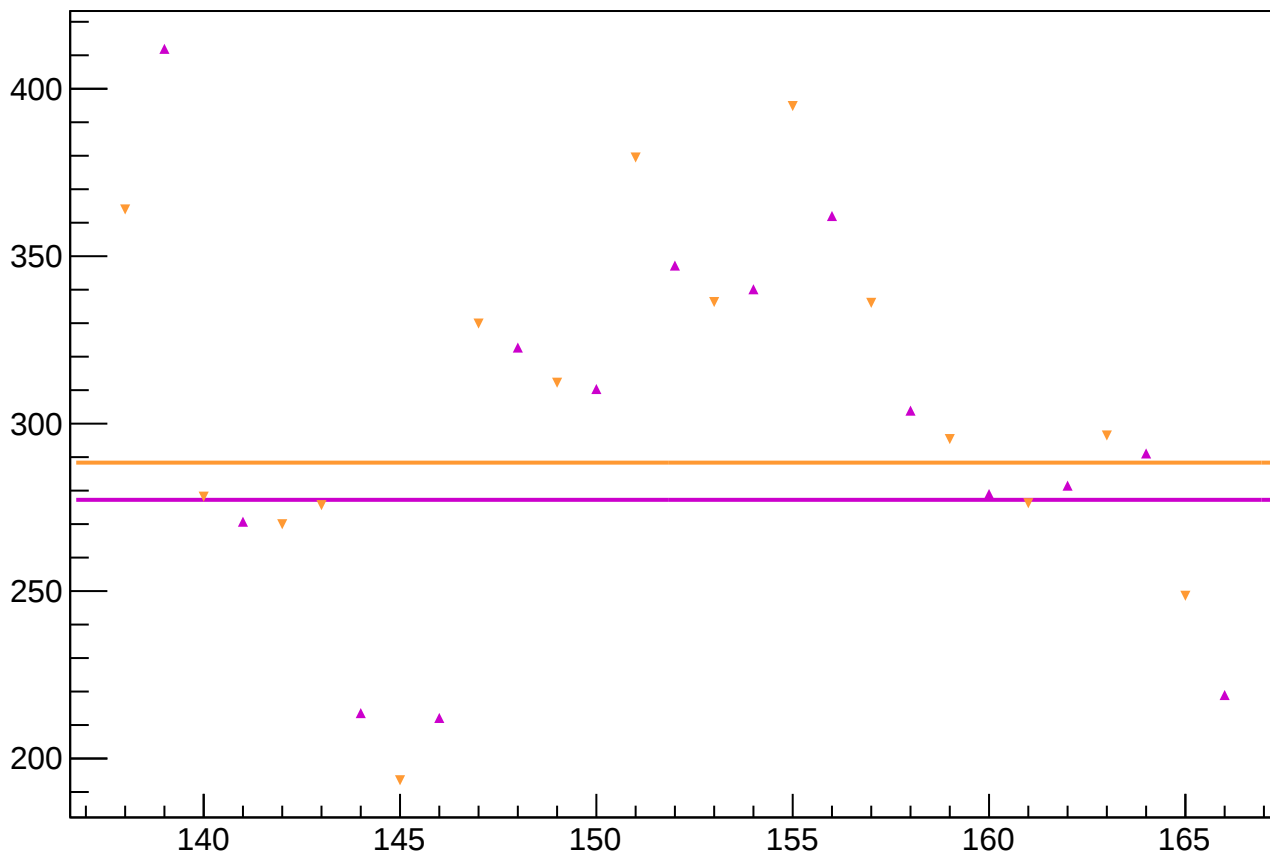
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4.606+/-85.977 χ^2/NDF :11.6/13

Out: -511.420+/-88.162 χ^2/NDF :30.4/14

All: -246.934+/-61.553 χ^2/NDF : 59.6/28

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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: 277.250+/-0.061 χ^2/NDF : 806981.6/13

Left: 282.665+/-0.044 χ^2/NDF : 1596768.2/28

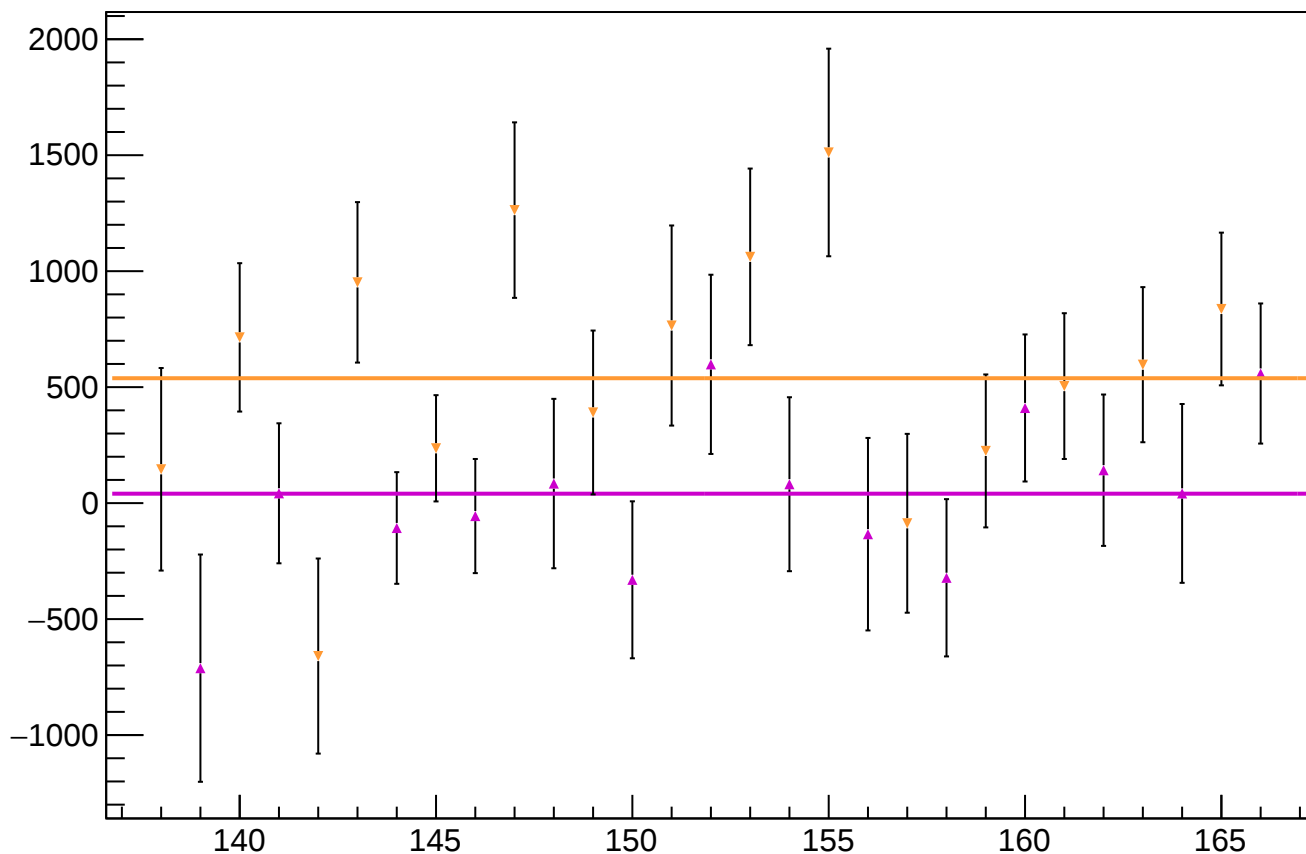
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 277.250+/-0.061 χ^2/NDF : 806981.6/13

Out: 288.359+/-0.062 χ^2/NDF : 773509.5/14

All: 282.665+/-0.044 χ^2/NDF : 1596768.2/28

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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: 40.647+/-87.539 χ^2/NDF :11.9/13

Left: 283.790+/-62.613 χ^2/NDF : 55.2/28

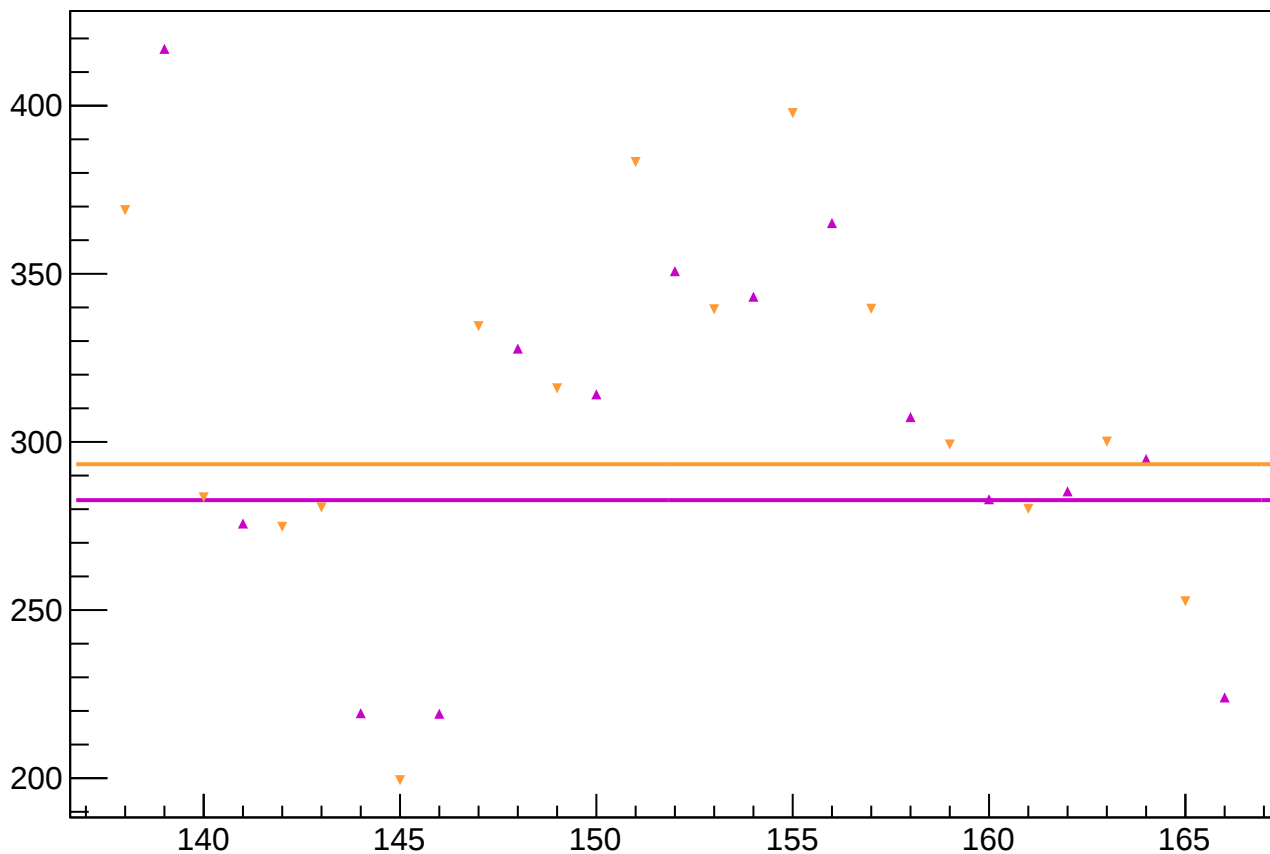
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 40.647+/-87.539 χ^2/NDF :11.9/13

Out: 538.473+/-89.593 χ^2/NDF :27.5/14

All: 283.790+/-62.613 χ^2/NDF : 55.2/28

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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: 282.691+/-0.062 χ^2/NDF : 752071.3/13

Left: 287.910+/-0.044 χ^2/NDF : 1492808.4/28

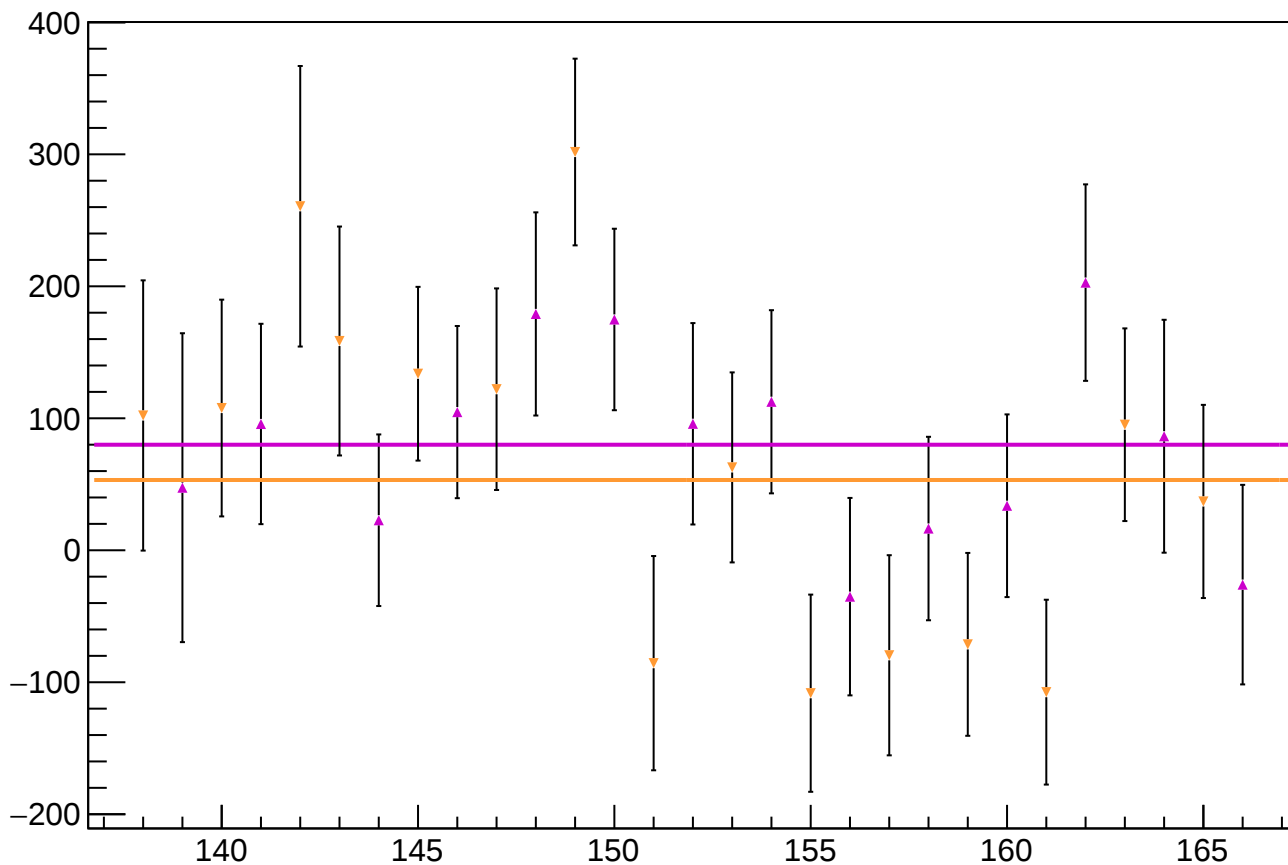
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 282.691+/-0.062 χ^2/NDF : 752071.3/13

Out: 293.376+/-0.063 χ^2/NDF : 726184.9/14

All: 287.910+/-0.044 χ^2/NDF : 1492808.4/28

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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: 79.965+/-19.778 χ^2/NDF :13.2/13

Left: 66.617+/-13.991 χ^2/NDF : 54.3/28

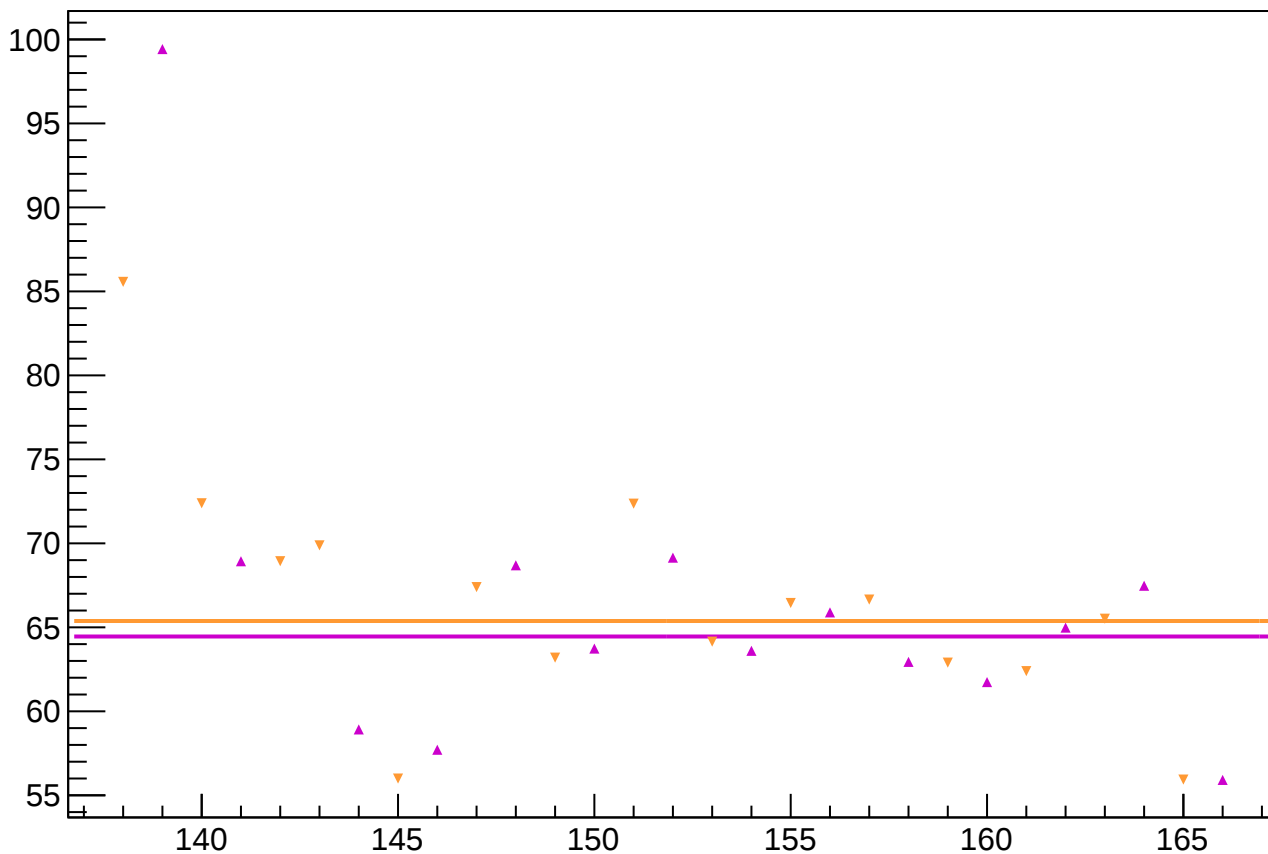
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 79.965+/-19.778 χ^2/NDF :13.2/13

Out: 53.245+/-19.795 χ^2/NDF :40.2/14

All: 66.617+/-13.991 χ^2/NDF : 54.3/28

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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: 64.454+/-0.014 χ^2/NDF :268313.2/13

Left: 64.915+/-0.010 χ^2/NDF : 470247.4/28

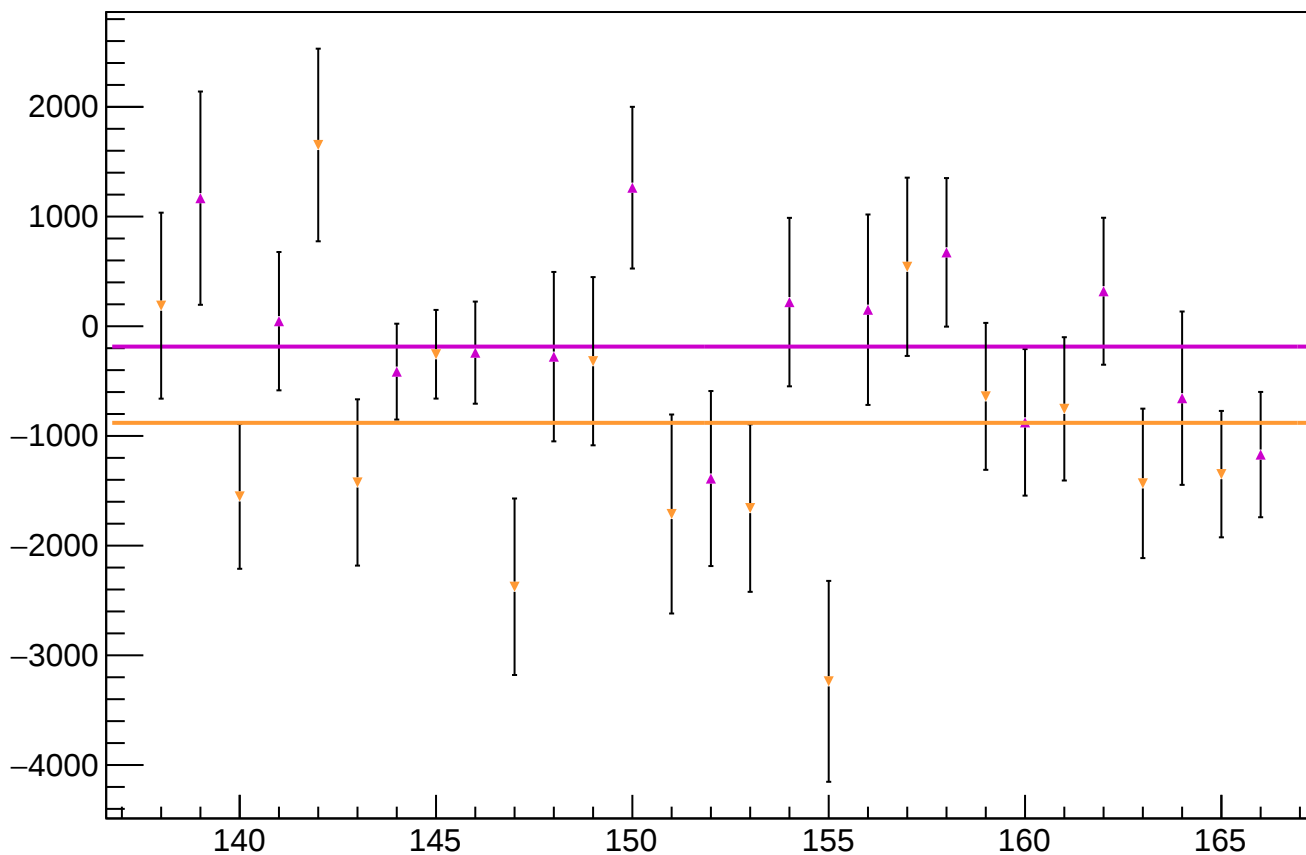
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 64.454+/-0.014 χ^2/NDF :268313.2/13

Out: 65.377+/-0.014 χ^2/NDF :199759.5/14

All: 64.915+/-0.010 χ^2/NDF : 470247.4/28

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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: -185.452+/-174.472 χ^2/NDF :15.5/13

Left: -525.539+/-124.690 χ^2/NDF : 54.2/28

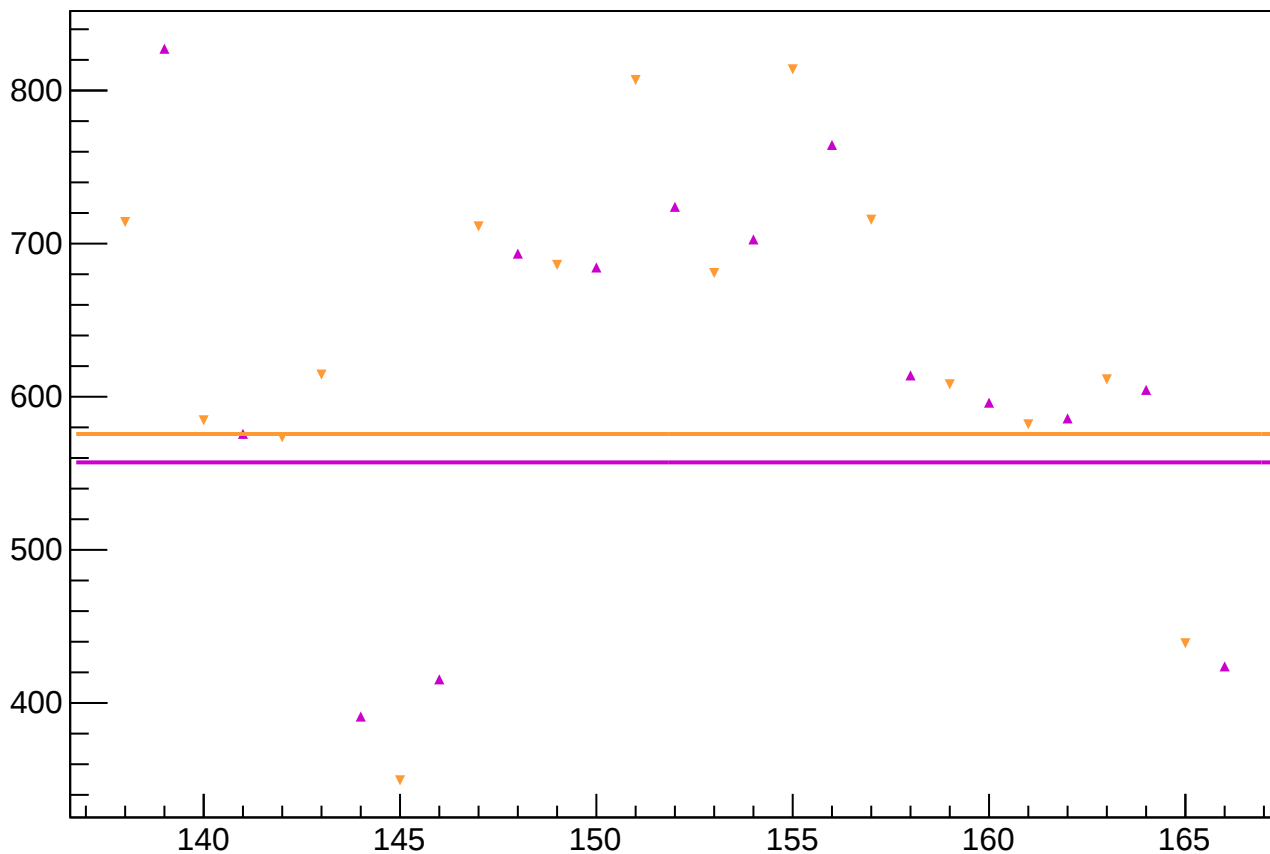
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -185.452+/-174.472 χ^2/NDF :15.5/13

Out: -880.572+/-178.265 χ^2/NDF :30.9/14

All: -525.539+/-124.690 χ^2/NDF : 54.2/28

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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: 557.133+/-0.123 χ^2/NDF :1166034.6/13

Left: 566.199+/-0.088 χ^2/NDF : 2445928.1/28

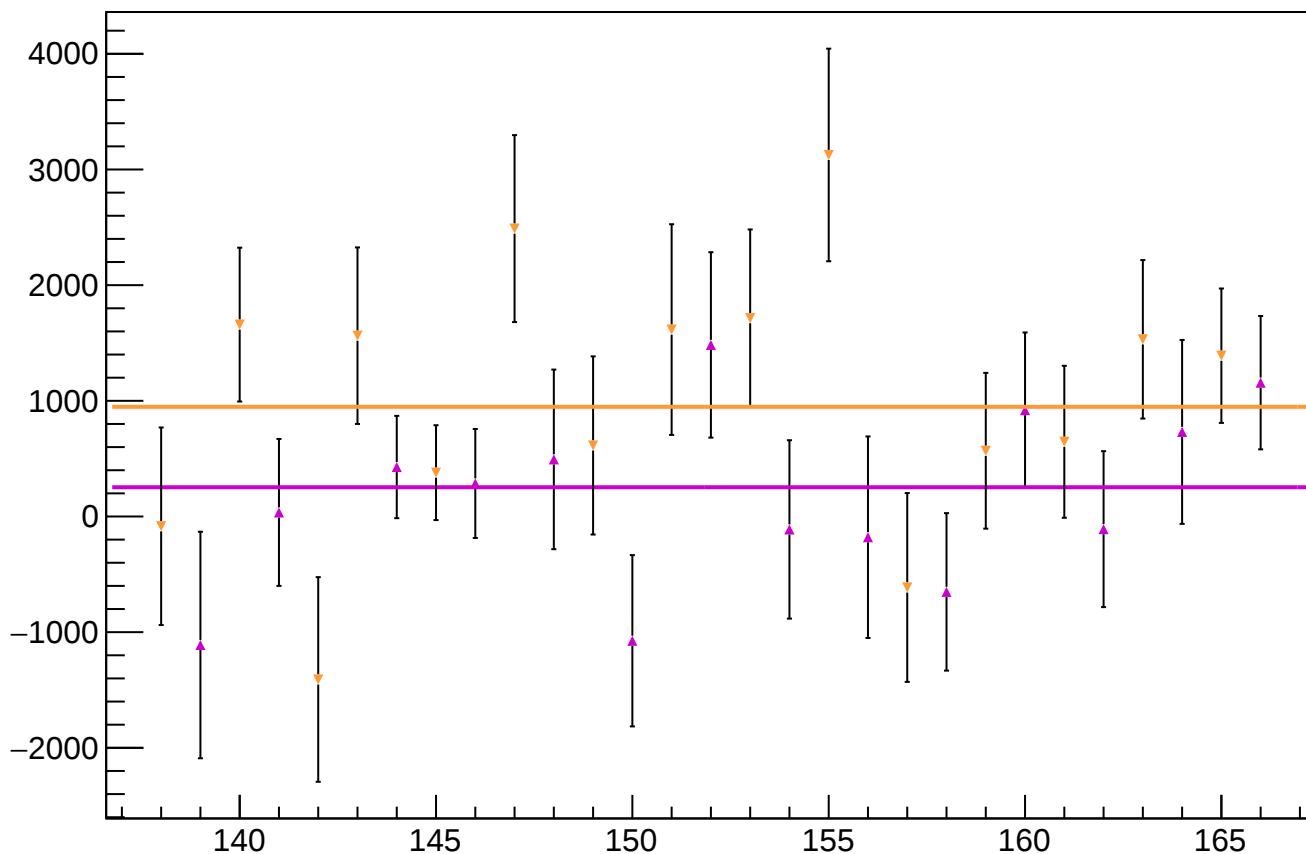
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 557.133+/-0.123 χ^2/NDF :1166034.6/13

Out: 575.664+/-0.126 χ^2/NDF :1268855.7/14

All: 566.199+/-0.088 χ^2/NDF : 2445928.1/28

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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: 252.781+/-175.832 χ^2/NDF :14.2/13

Left: 593.134+/-125.647 χ^2/NDF : 50.6/28

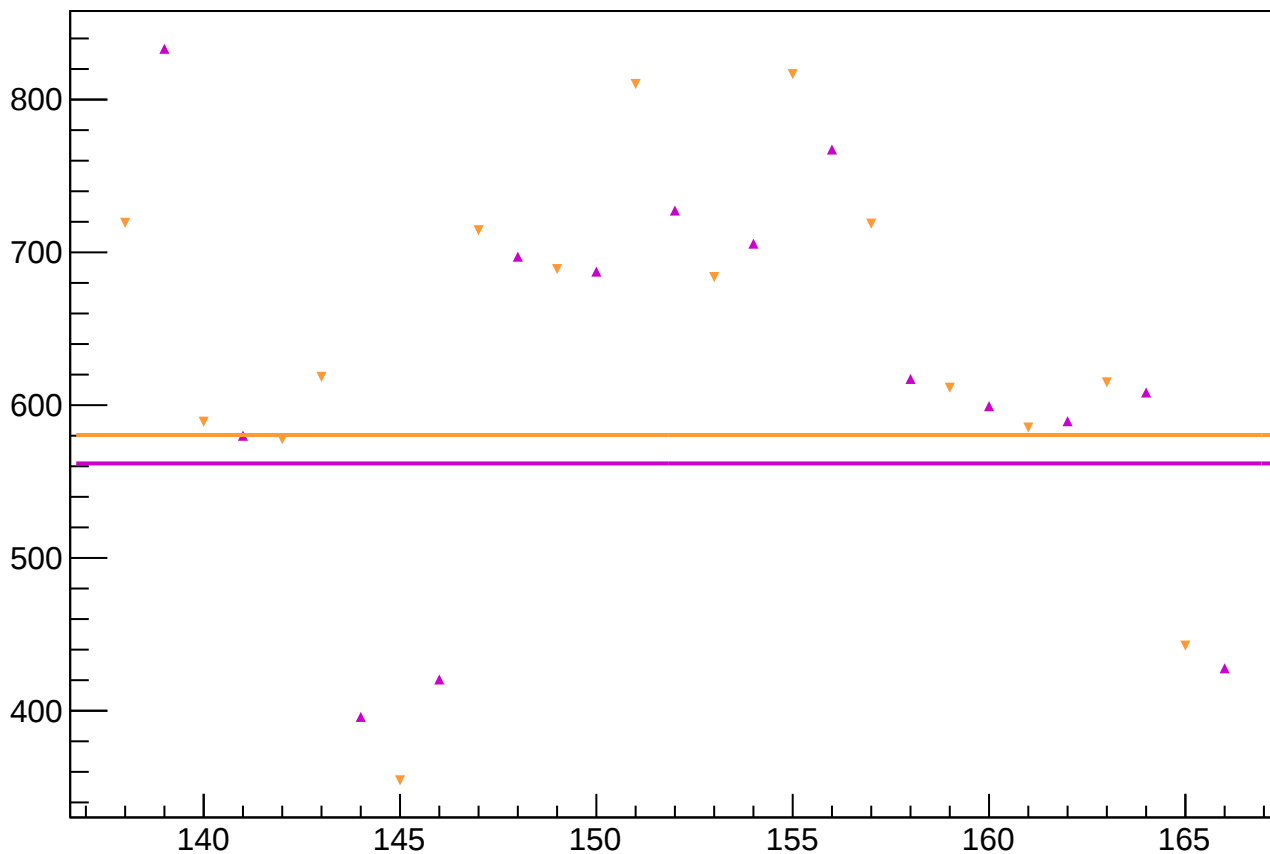
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 252.781+/-175.832 χ^2/NDF :14.2/13

Out: 948.276+/-179.611 χ^2/NDF :28.7/14

All: 593.134+/-125.647 χ^2/NDF : 50.6/28

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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: 561.863+/-0.124 χ^2/NDF :1138964.9/13

Left: 570.963+/-0.089 χ^2/NDF : 2385699.2/28

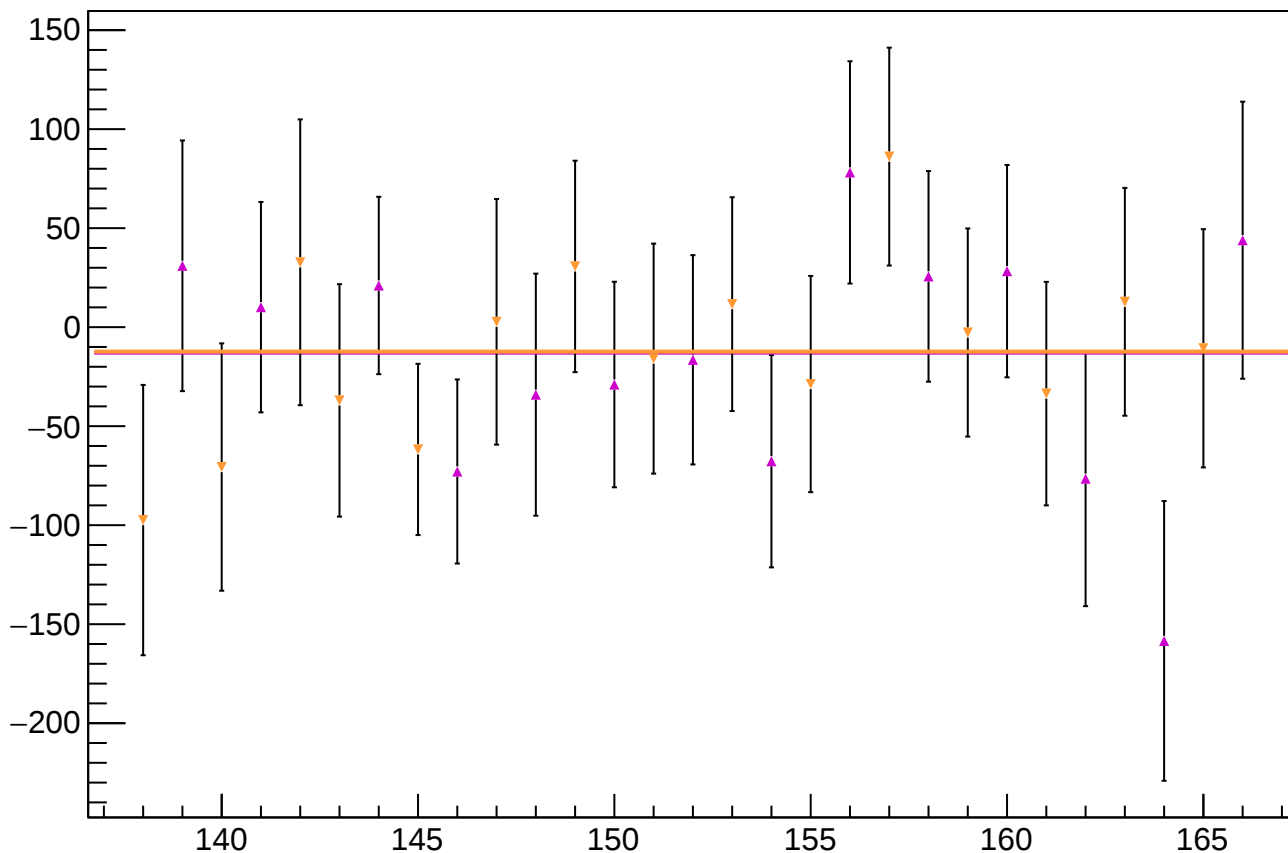
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 561.863+/-0.124 χ^2/NDF :1138964.9/13

Out: 580.459+/-0.127 χ^2/NDF :1235787.2/14

All: 570.963+/-0.089 χ^2/NDF : 2385699.2/28

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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: -12.856+/-14.784 χ^2/NDF : 13.8/13

Left: -12.600+/-10.407 χ^2/NDF : 22.7/28

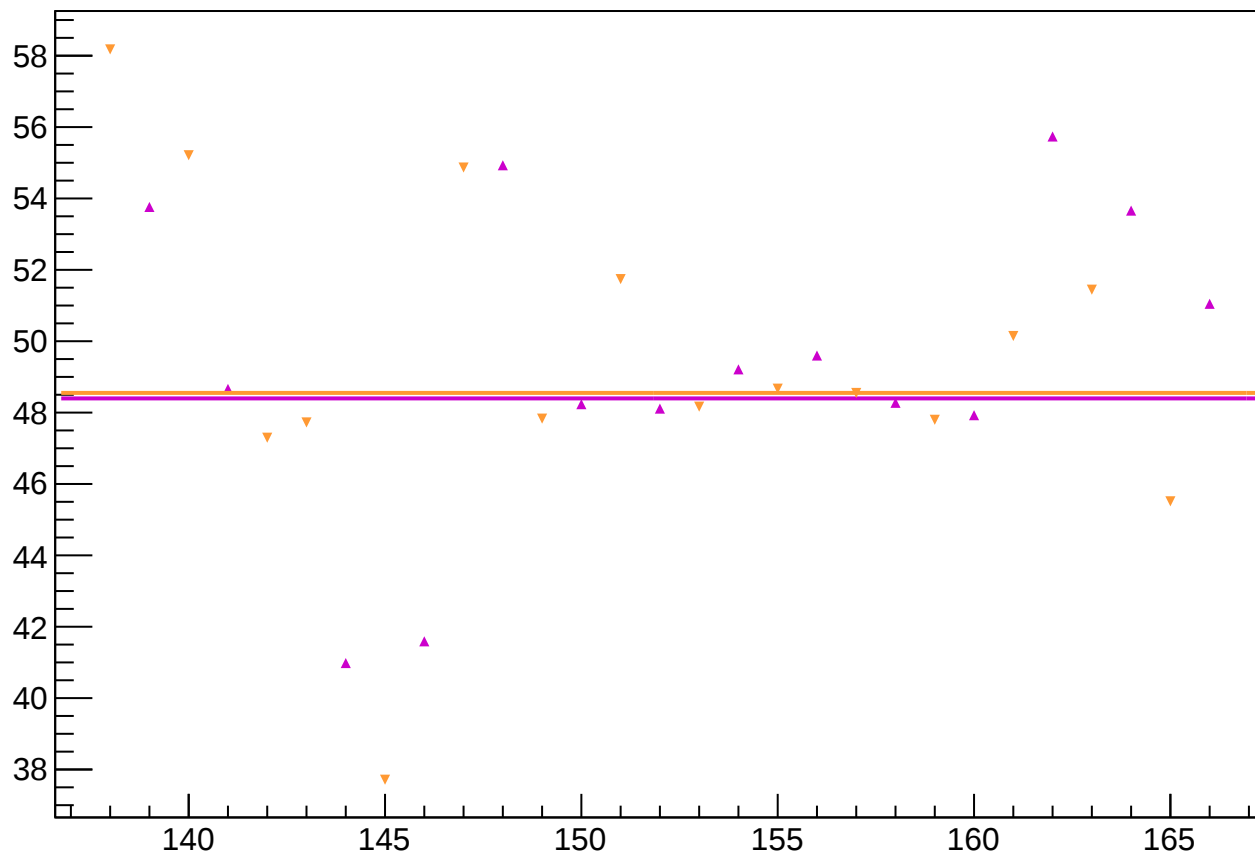
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.856+/-14.784 χ^2/NDF : 13.8/13

Out: -12.348+/-14.651 χ^2/NDF : 8.9/14

All: -12.600+/-10.407 χ^2/NDF : 22.7/28

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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: 48.397+/-0.010 χ^2/NDF :176544.2/13

Left: 48.475+/-0.007 χ^2/NDF : 405221.7/28

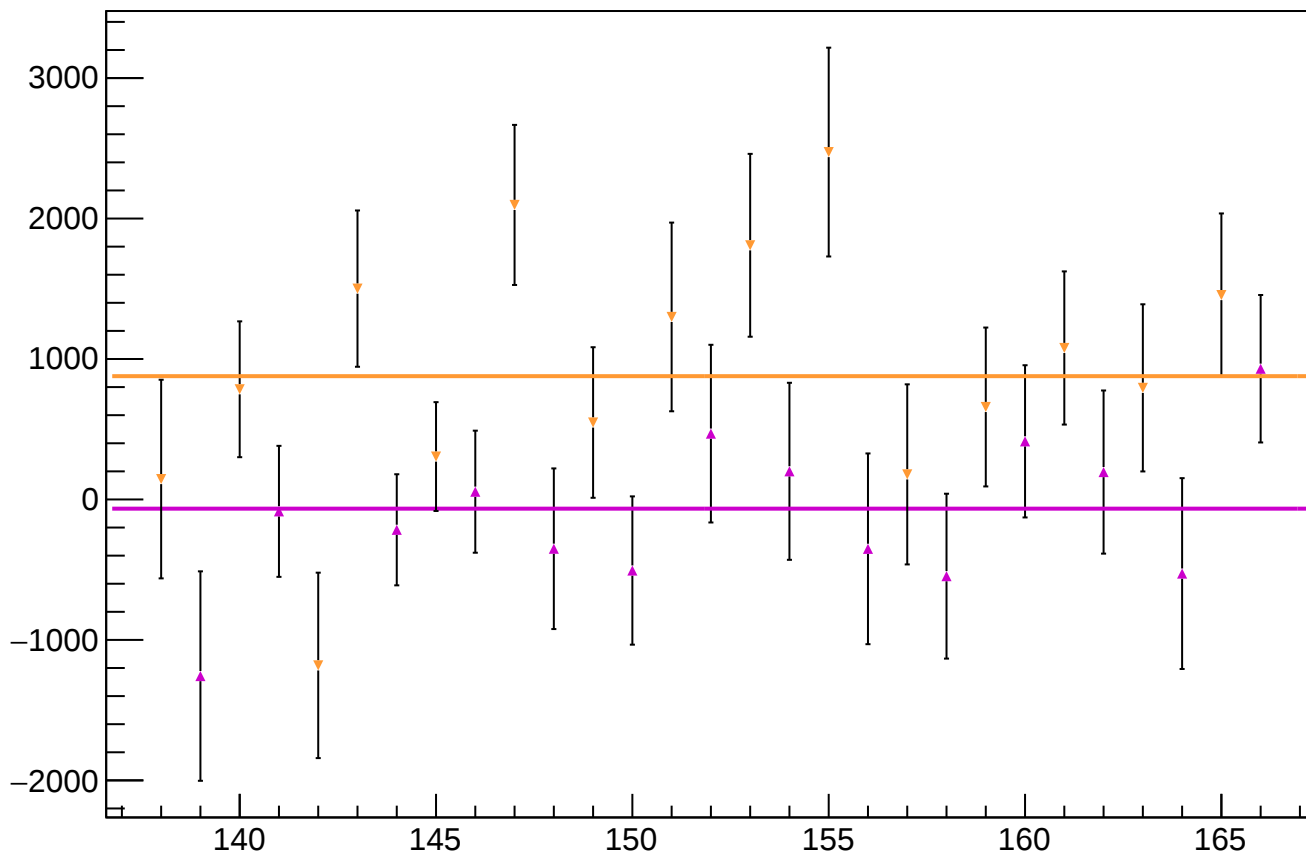
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 48.397+/-0.010 χ^2/NDF :176544.2/13

Out: 48.552+/-0.010 χ^2/NDF :228567.4/14

All: 48.475+/-0.007 χ^2/NDF : 405221.7/28

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 877.766+/-147.257 χ^2/NDF :28.8/14

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

Left In: -65.519+/-145.884 χ^2/NDF :10.5/13

Left: 401.707+/-103.638 χ^2/NDF : 60.0/28

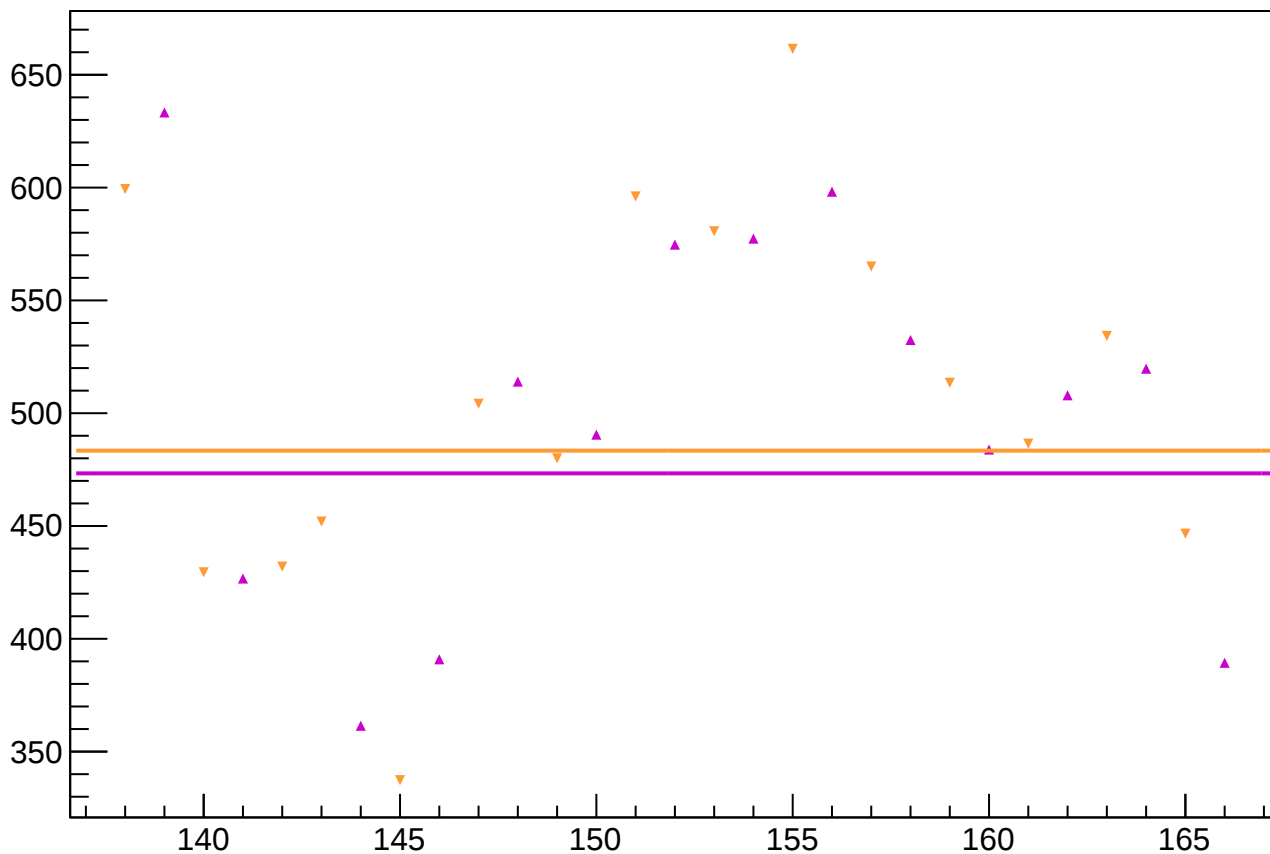
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.519+/-145.884 χ^2/NDF :10.5/13

Out: 877.766+/-147.257 χ^2/NDF :28.8/14

All: 401.707+/-103.638 χ^2/NDF : 60.0/28

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 483.407+/-0.104 χ^2/NDF :660642.0/14

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

Left In: 473.335+/-0.103 χ^2/NDF :618468.6/13

Left: 478.324+/-0.073 χ^2/NDF : 1283832.8/28

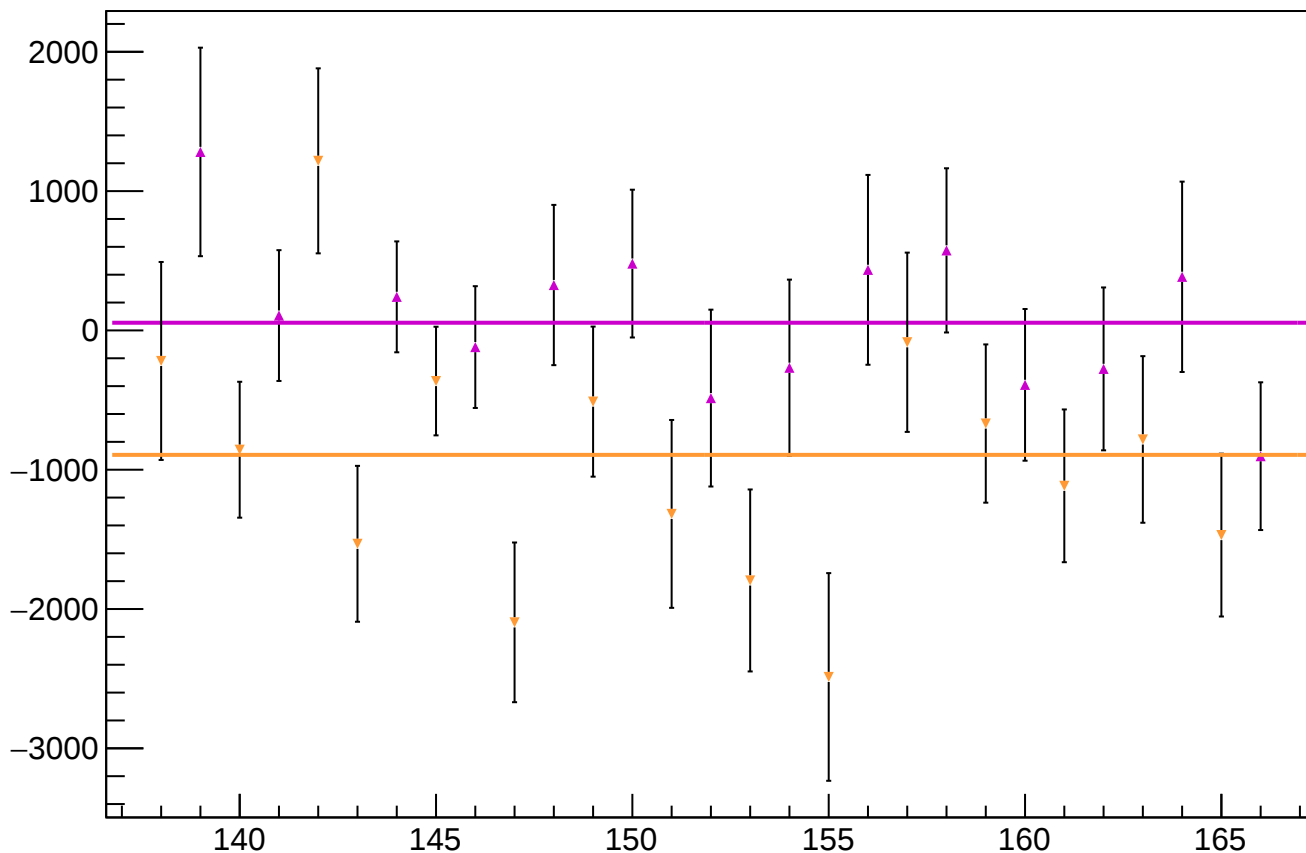
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 473.335+/-0.103 χ^2/NDF :618468.6/13

Out: 483.407+/-0.104 χ^2/NDF :660642.0/14

All: 478.324+/-0.073 χ^2/NDF : 1283832.8/28

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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: 55.053+/-146.718 χ^2/NDF :10.5/13

Left: -414.859+/-104.216 χ^2/NDF : 60.0/28

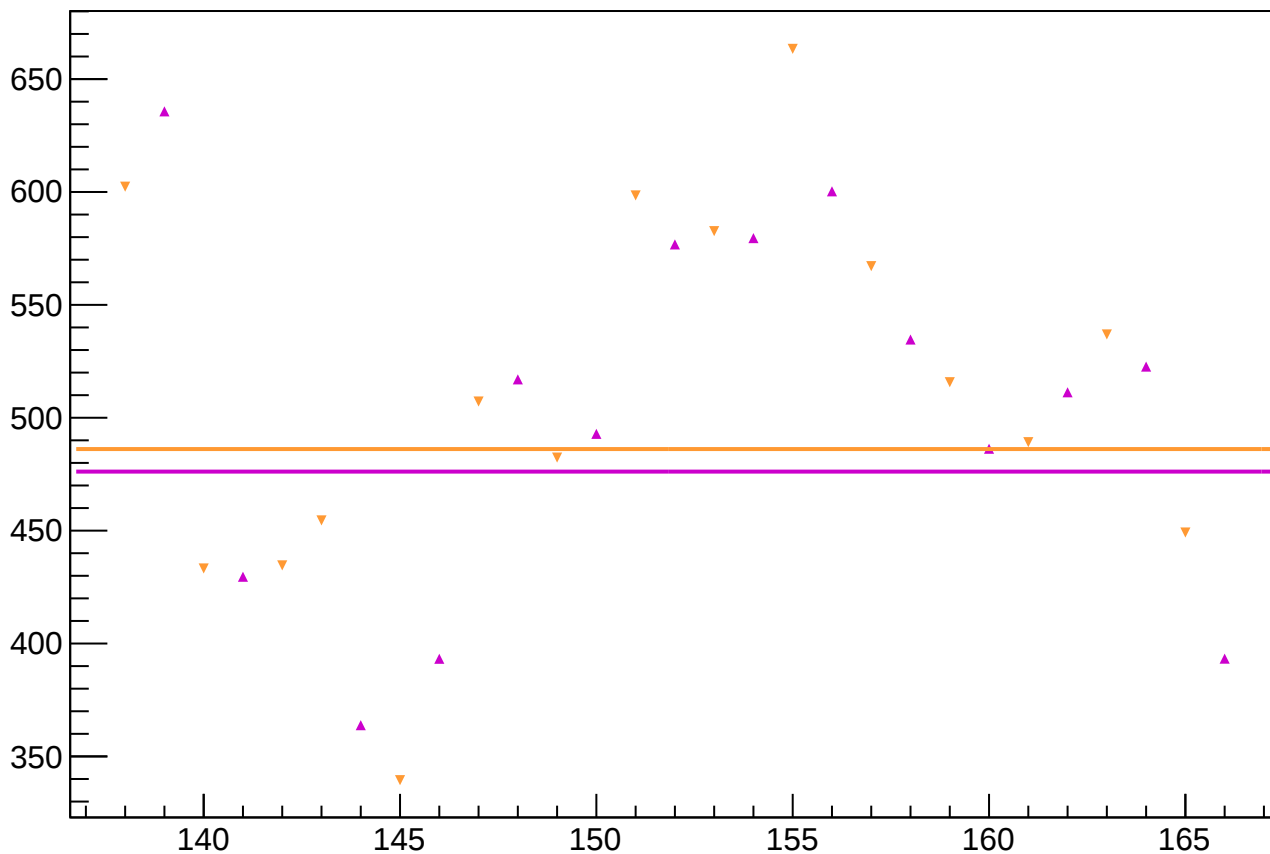
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 55.053+/-146.718 χ^2/NDF :10.5/13

Out: -893.396+/-148.059 χ^2/NDF :28.8/14

All: -414.859+/-104.216 χ^2/NDF : 60.0/28

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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: 476.150+/-0.104 χ^2/NDF : 609634.4/13

Left: 481.098+/-0.074 χ^2/NDF : 1267283.2/28

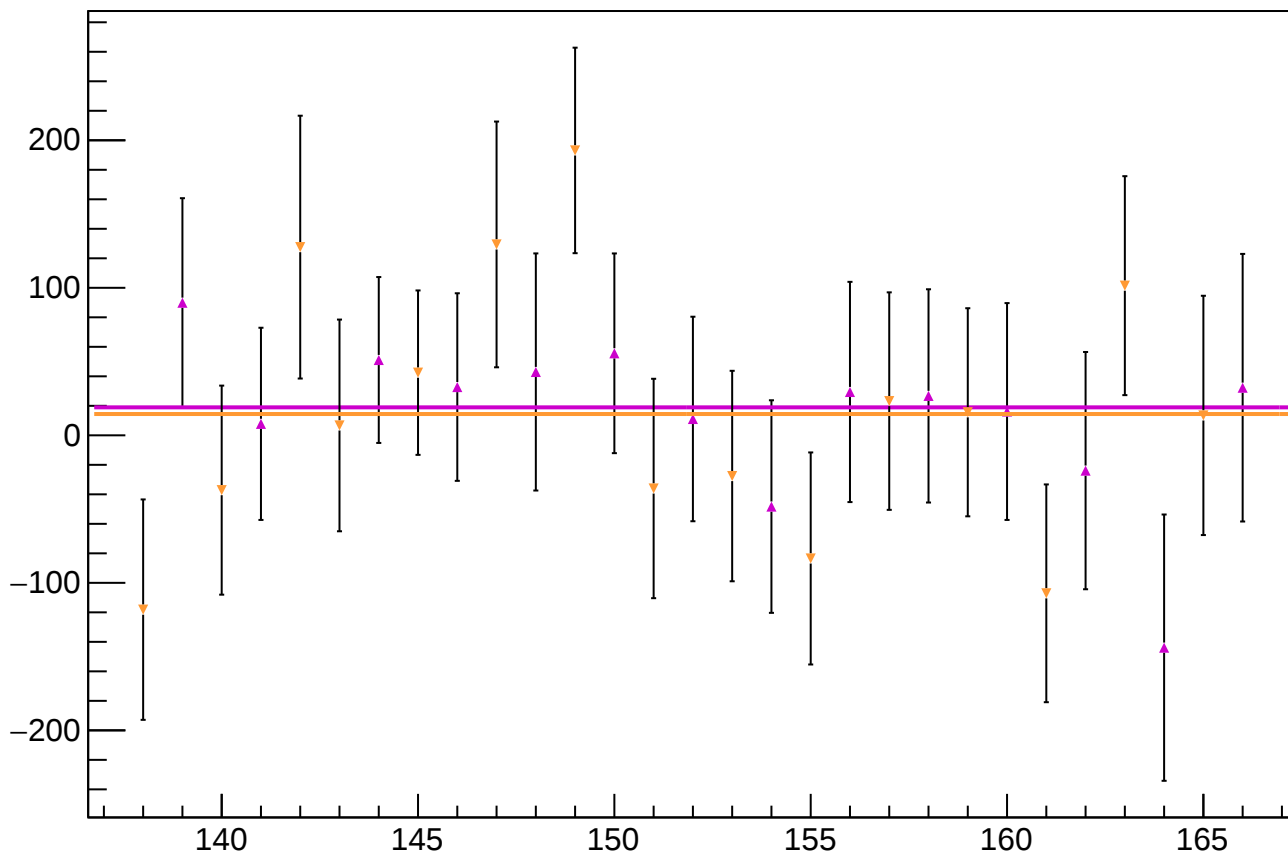
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 476.150+/-0.104 χ^2/NDF : 609634.4/13

Out: 486.137+/-0.105 χ^2/NDF : 653057.8/14

All: 481.098+/-0.074 χ^2/NDF : 1267283.2/28

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 14.441+/-18.752 χ^2/NDF :20.8/14

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

Left In: 18.960+/-19.149 χ^2/NDF :6.3/13

Left: 16.653+/-13.398 χ^2/NDF : 27.1/28

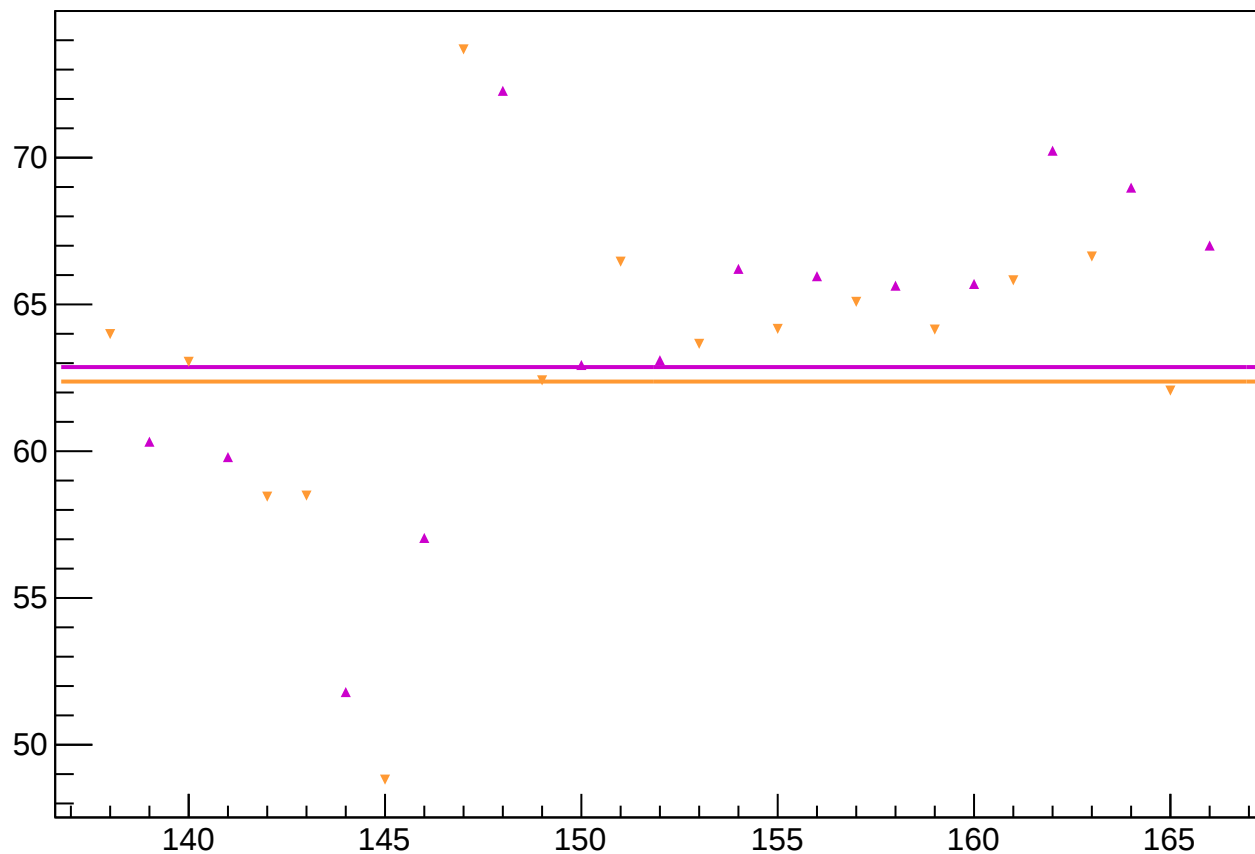
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 18.960+/-19.149 χ^2/NDF :6.3/13

Out: 14.441+/-18.752 χ^2/NDF :20.8/14

All: 16.653+/-13.398 χ^2/NDF : 27.1/28

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 62.373+/-0.013 χ^2/NDF :189090.4/14

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

Left In: 62.866+/-0.014 χ^2/NDF :172559.1/13

Left: 62.614+/-0.009 χ^2/NDF : 362326.9/28

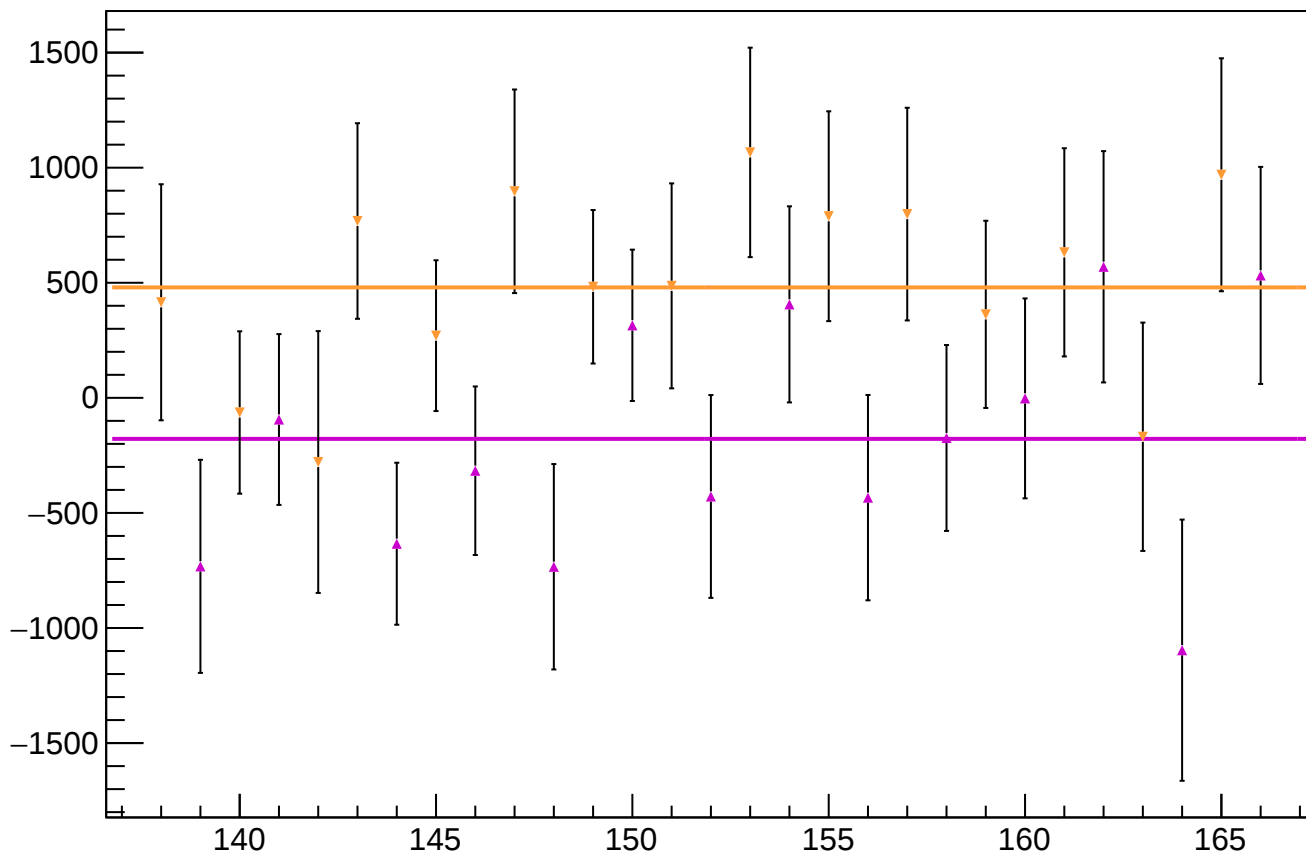
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.866+/-0.014 χ^2/NDF :172559.1/13

Out: 62.373+/-0.013 χ^2/NDF :189090.4/14

All: 62.614+/-0.009 χ^2/NDF : 362326.9/28

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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: -178.246+/-111.510 χ^2/NDF :16.9/13

Left: 154.339+/-78.426 χ^2/NDF : 45.9/28

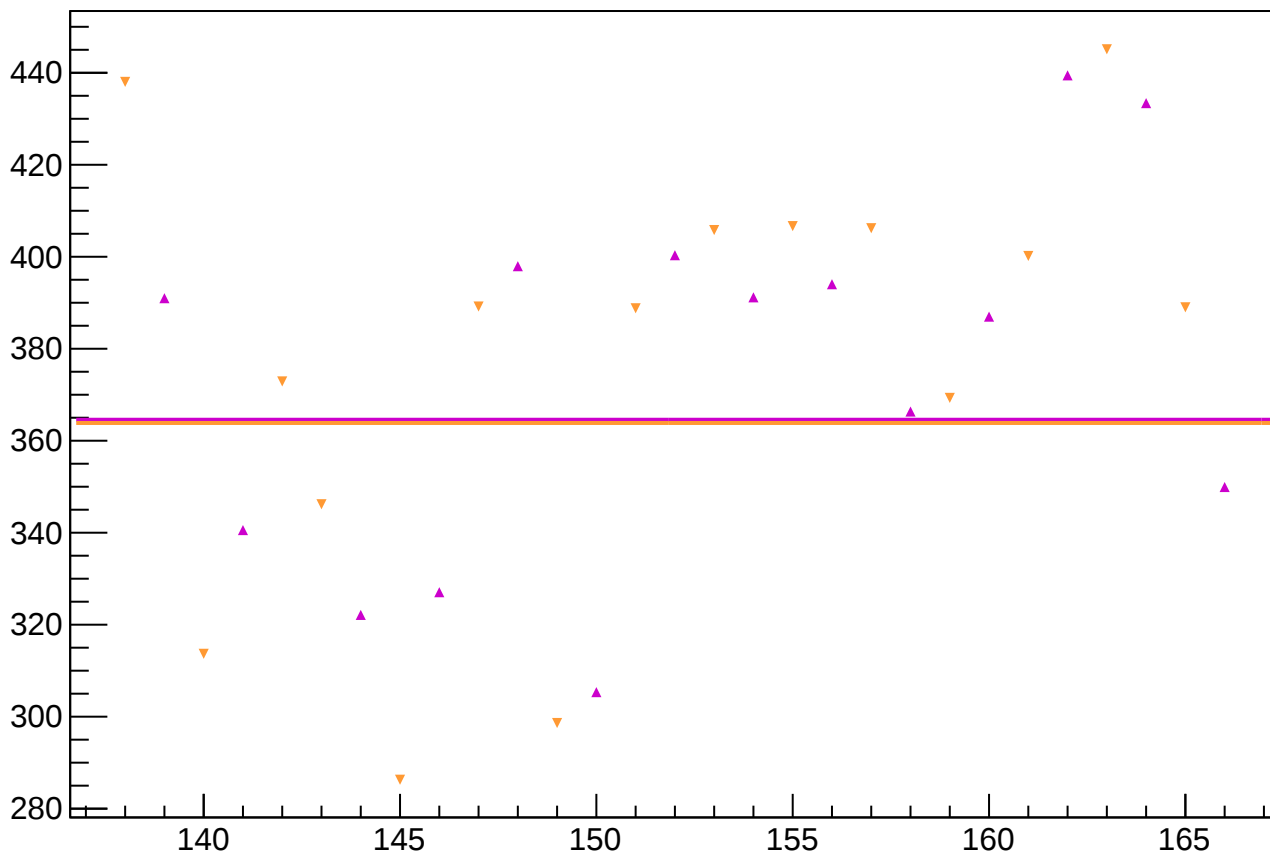
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -178.246+/-111.510 χ^2/NDF :16.9/13

Out: 479.869+/-110.321 χ^2/NDF :11.4/14

All: 154.339+/-78.426 χ^2/NDF : 45.9/28

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 363.861+/-0.078 χ^2/NDF :411060.0/14

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

Left In: 364.561+/-0.079 χ^2/NDF :251909.4/13

Left: 364.207+/-0.055 χ^2/NDF : 663009.2/28

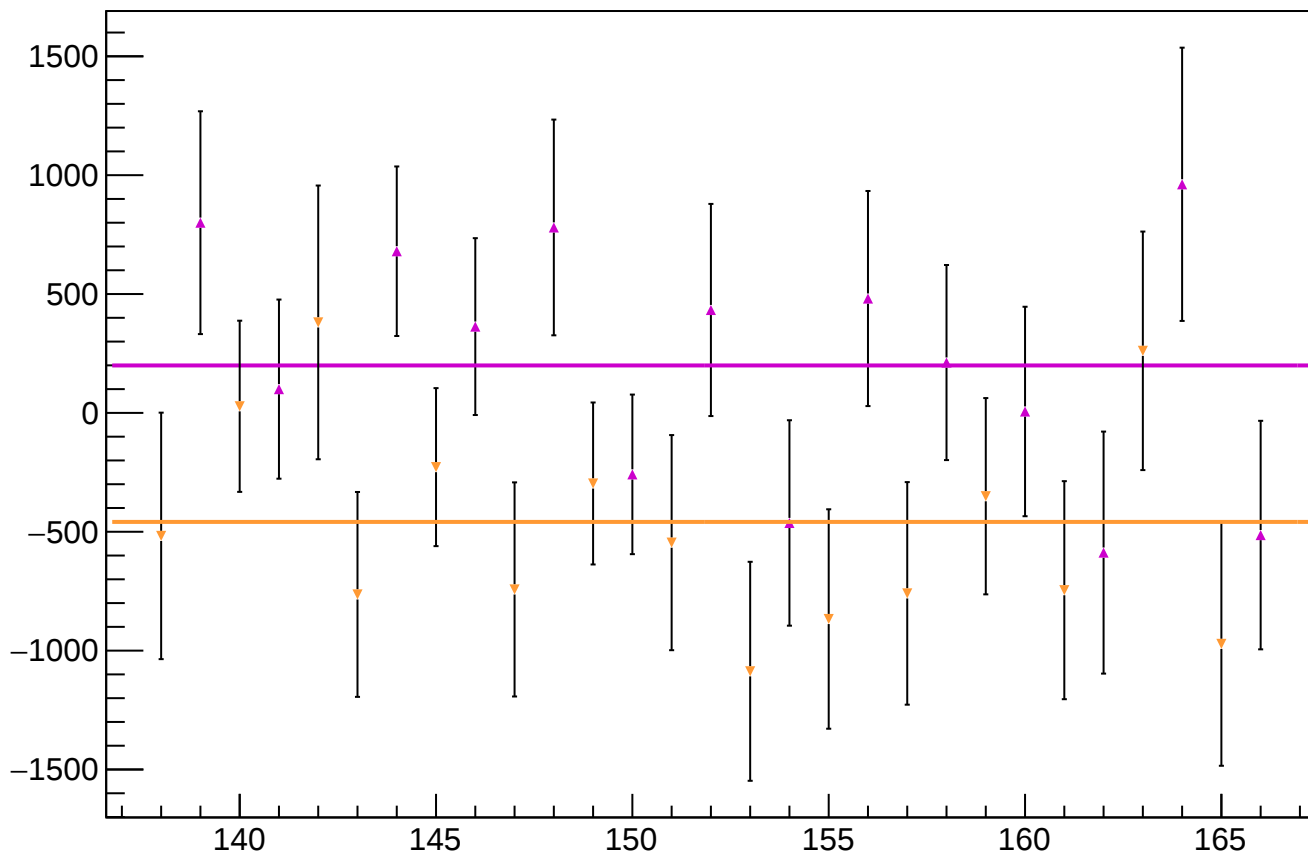
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 364.561+/-0.079 χ^2/NDF :251909.4/13

Out: 363.861+/-0.078 χ^2/NDF :411060.0/14

All: 364.207+/-0.055 χ^2/NDF : 663009.2/28

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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: 199.604+/-113.231 χ^2/NDF :16.8/13

Left: -133.004+/-79.635 χ^2/NDF : 46.0/28

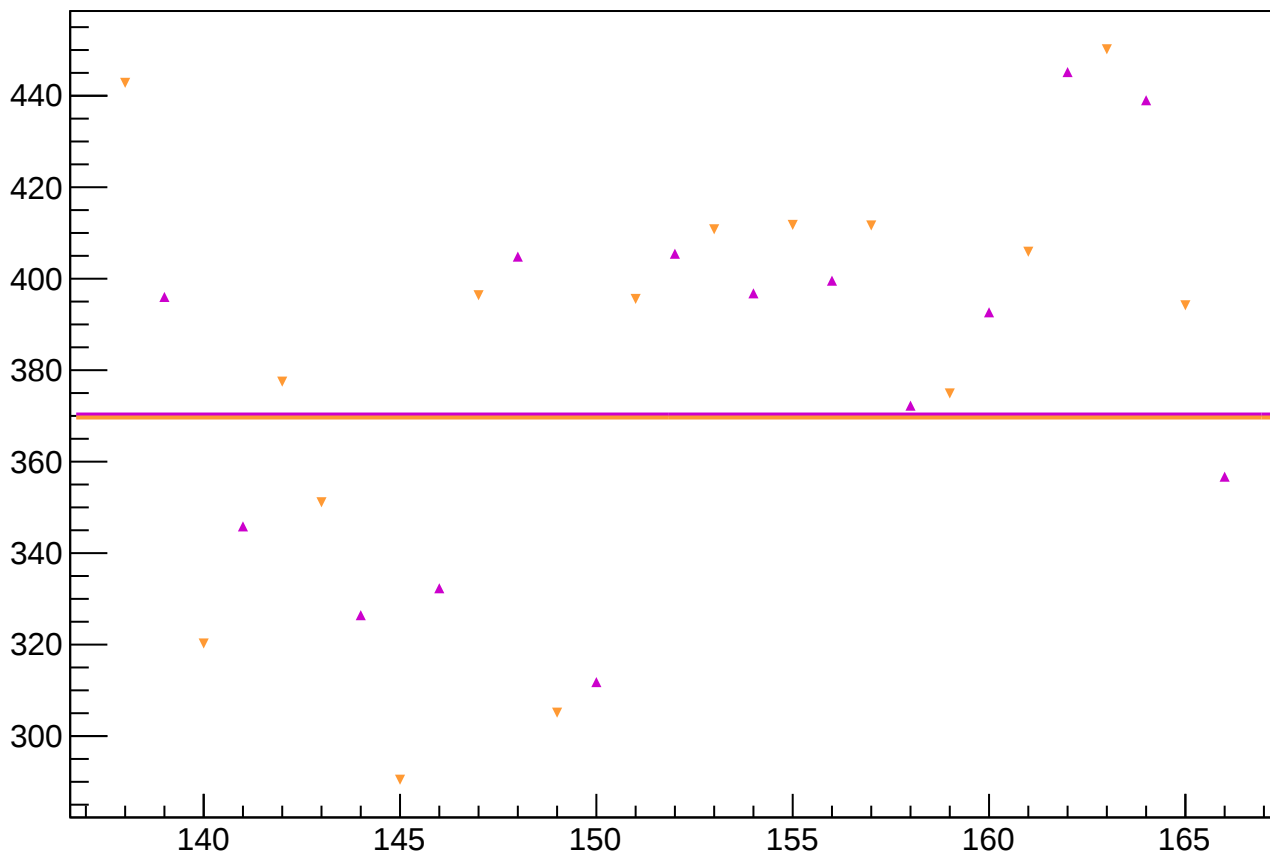
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 199.604+/-113.231 χ^2/NDF :16.8/13

Out: -458.536+/-112.020 χ^2/NDF :12.2/14

All: -133.004+/-79.635 χ^2/NDF : 46.0/28

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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: 370.305+/-0.080 χ^2/NDF :244869.2/13

Left: 369.975+/-0.056 χ^2/NDF : 643022.8/28

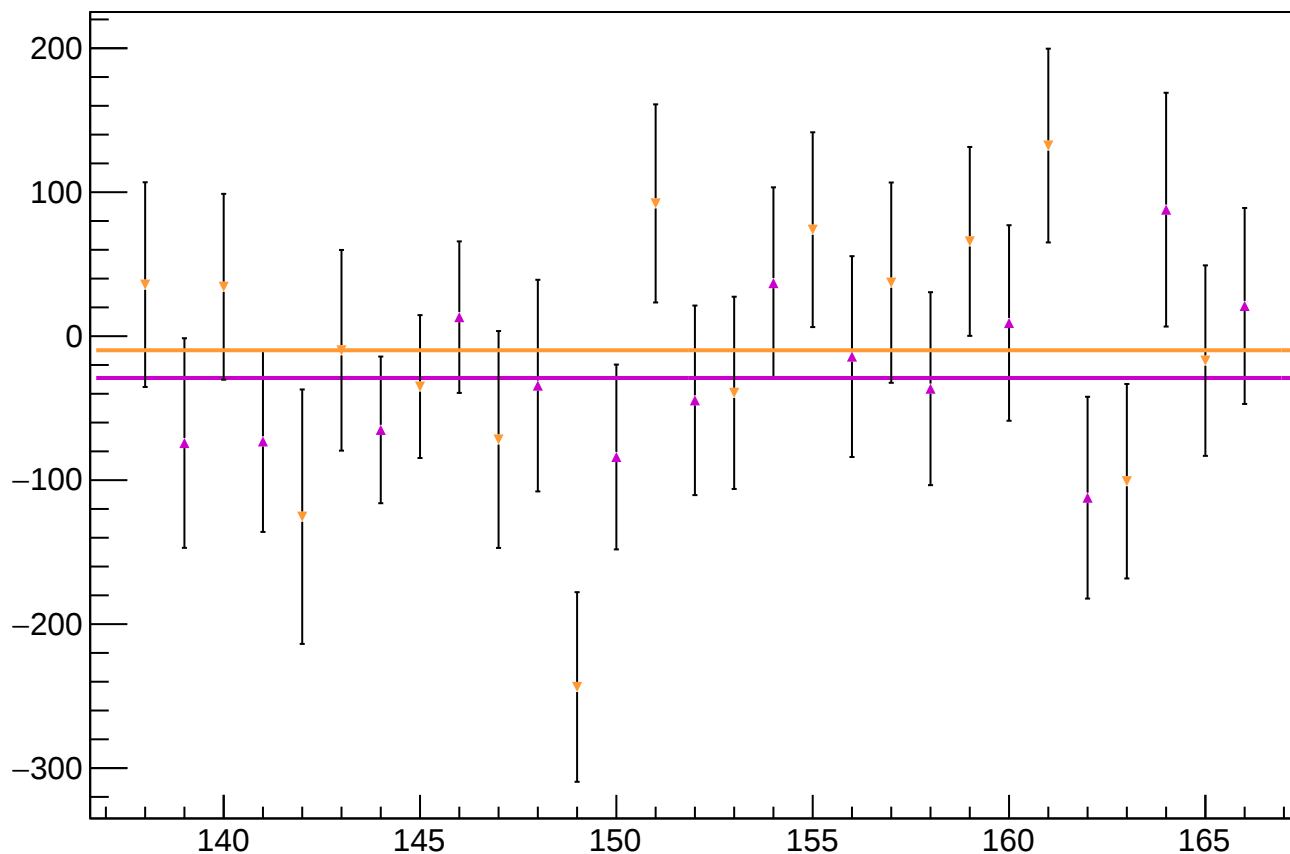
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 370.305+/-0.080 χ^2/NDF :244869.2/13

Out: 369.652+/-0.079 χ^2/NDF :398120.0/14

All: 369.975+/-0.056 χ^2/NDF : 643022.8/28

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -9.777+/-17.287 χ^2/NDF :28.1/14

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

Left In: -29.036+/-17.437 χ^2/NDF :8.2/13

Left: -19.323+/-12.276 χ^2/NDF : 36.9/28

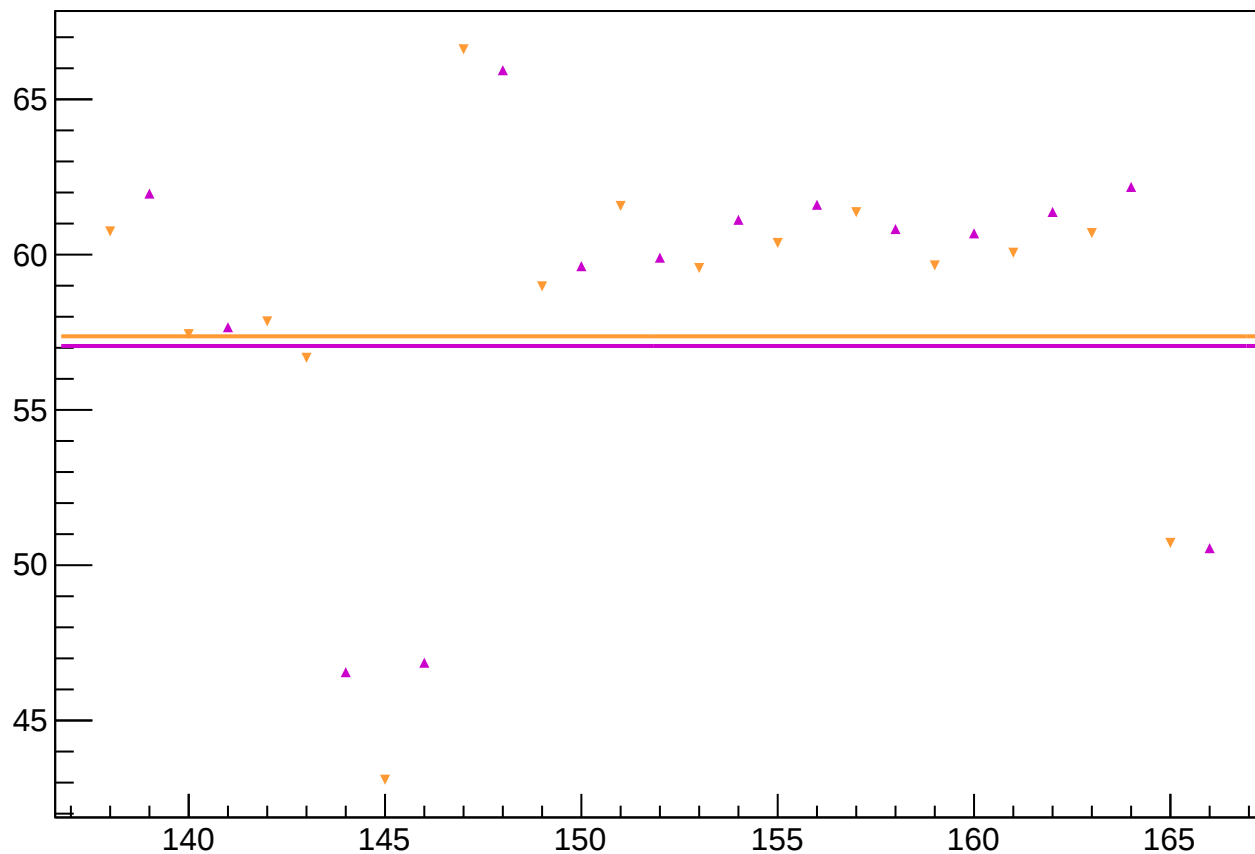
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.036+/-17.437 χ^2/NDF :8.2/13

Out: -9.777+/-17.287 χ^2/NDF :28.1/14

All: -19.323+/-12.276 χ^2/NDF : 36.9/28

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 57.370+/-0.012 χ^2/NDF :252474.5/14

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

Left In: 57.059+/-0.012 χ^2/NDF :267406.7/13

Left: 57.216+/-0.009 χ^2/NDF : 520203.3/28

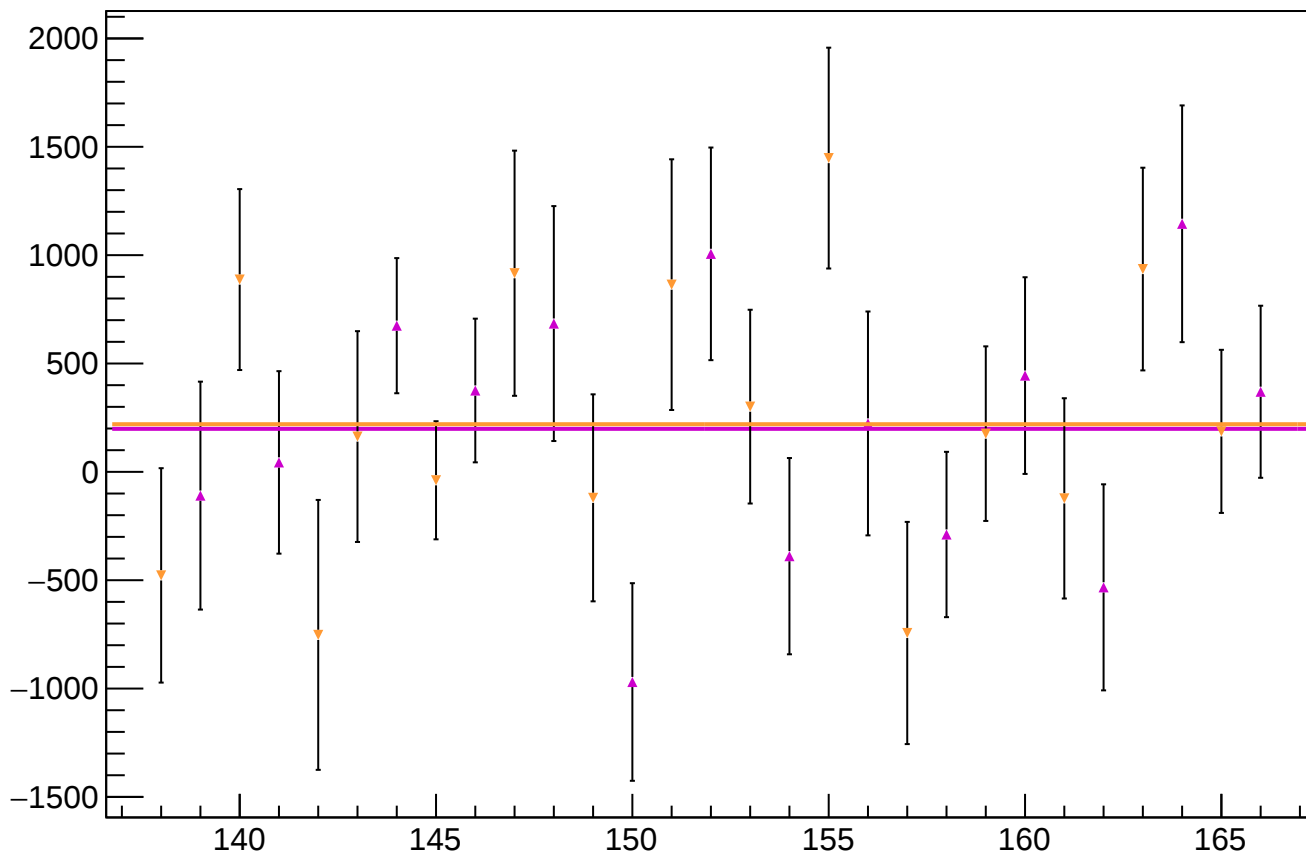
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 57.059+/-0.012 χ^2/NDF :267406.7/13

Out: 57.370+/-0.012 χ^2/NDF :252474.5/14

All: 57.216+/-0.009 χ^2/NDF : 520203.3/28

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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: 198.490+/-115.103 χ^2/NDF : 22.3/13

Left: 209.204+/-81.323 χ^2/NDF : 45.8/28

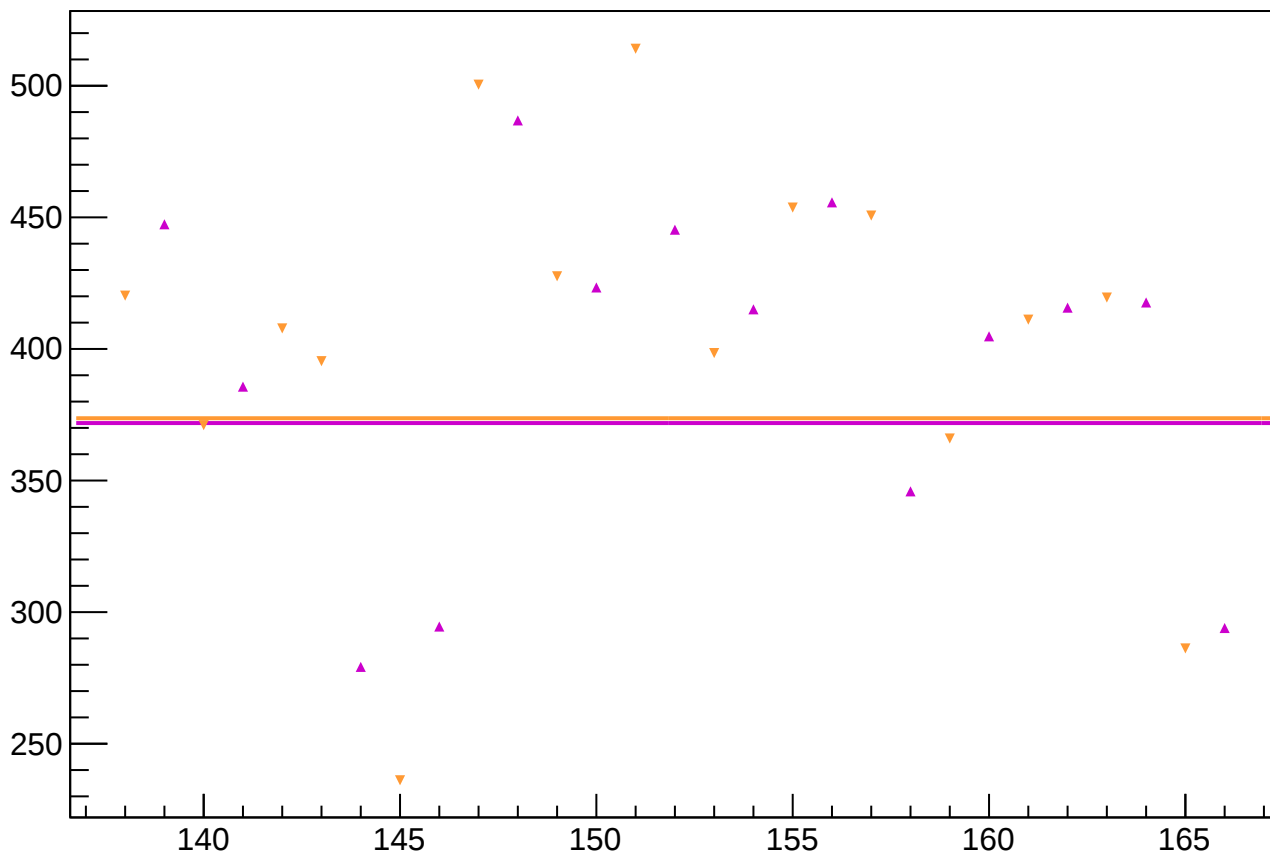
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 198.490+/-115.103 χ^2/NDF : 22.3/13

Out: 219.882+/-114.913 χ^2/NDF : 23.4/14

All: 209.204+/-81.323 χ^2/NDF : 45.8/28

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 373.674+/-0.081 χ^2/NDF :1022921.5/14

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

Left In: 371.840+/-0.081 χ^2/NDF :687891.2/13

Left: 372.758+/-0.058 χ^2/NDF : 1711067.1/28

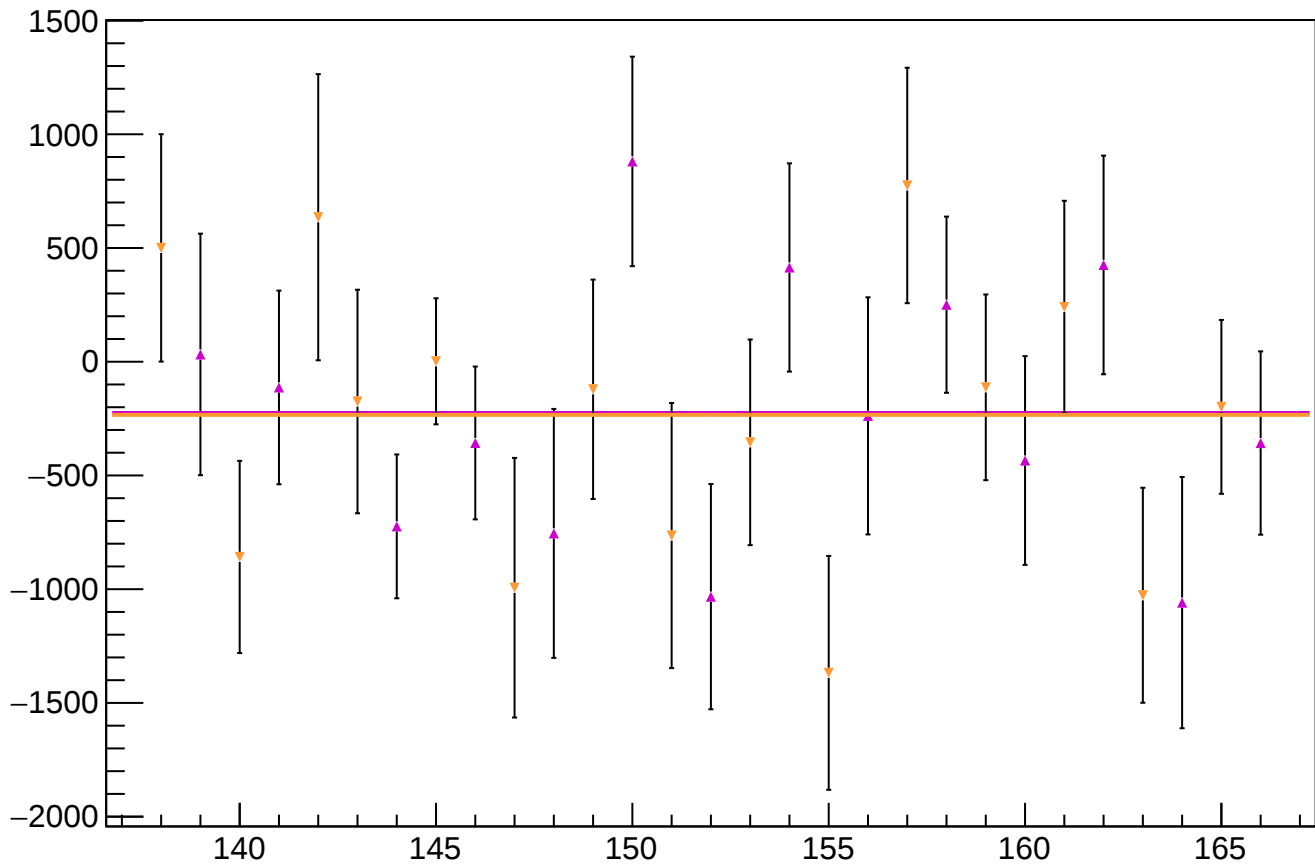
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 371.840+/-0.081 χ^2/NDF :687891.2/13

Out: 373.674+/-0.081 χ^2/NDF :1022921.5/14

All: 372.758+/-0.058 χ^2/NDF : 1711067.1/28

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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: -225.427+/-116.495 χ^2/NDF :20.2/13

Left: -229.507+/-82.307 χ^2/NDF : 42.5/28

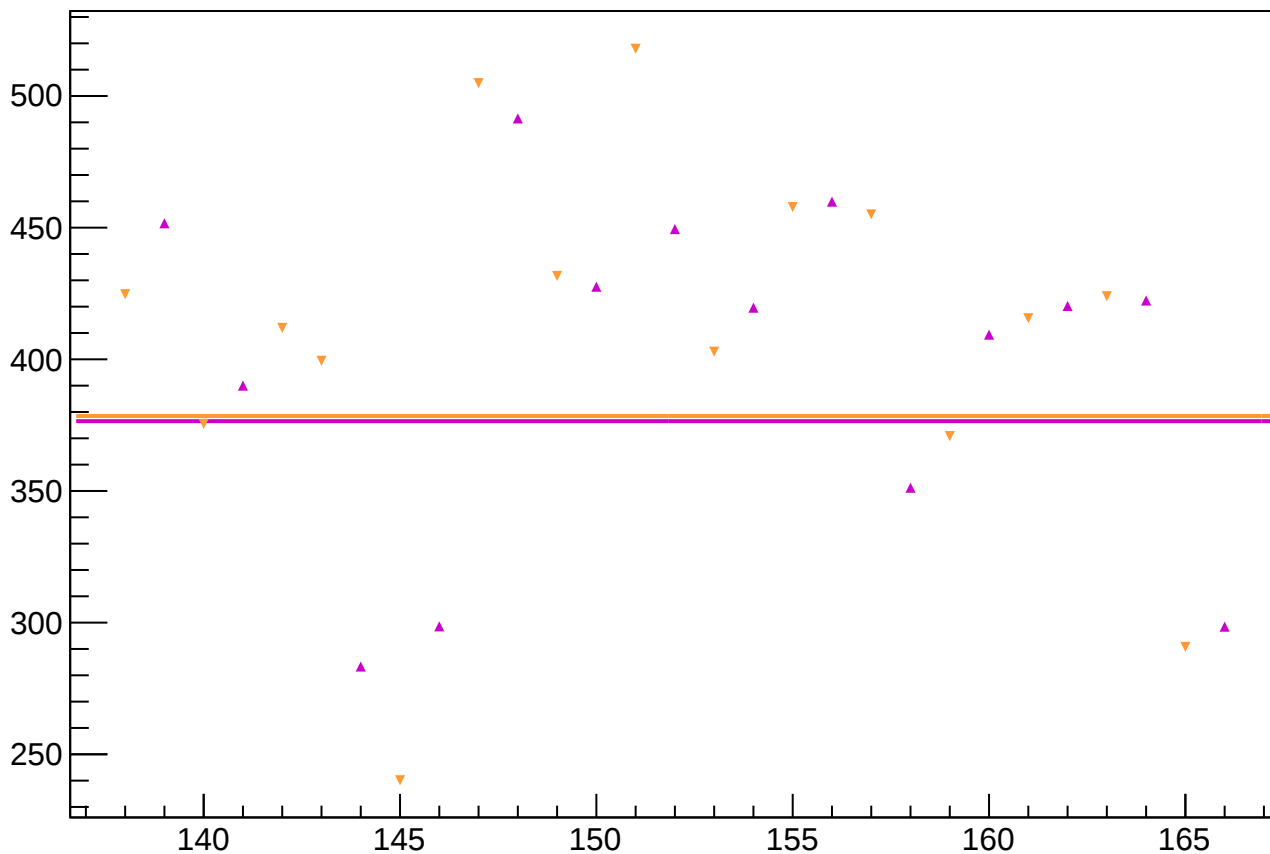
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -225.427+/-116.495 χ^2/NDF :20.2/13

Out: -233.573+/-116.303 χ^2/NDF :22.3/14

All: -229.507+/-82.307 χ^2/NDF : 42.5/28

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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: 376.521+/-0.082 χ^2/NDF :672583.9/13

Left: 377.497+/-0.058 χ^2/NDF : 1669222.5/28

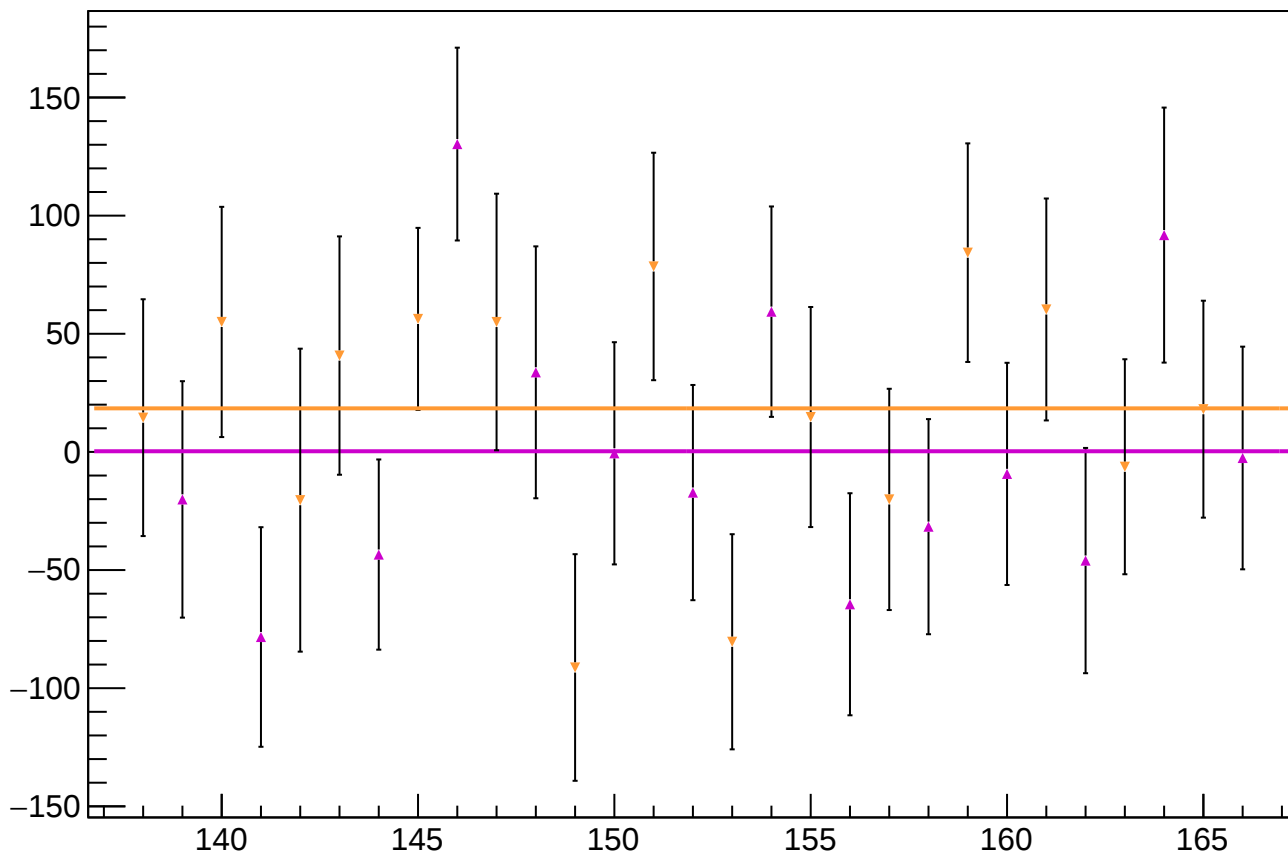
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 376.521+/-0.082 χ^2/NDF :672583.9/13

Out: 378.469+/-0.082 χ^2/NDF :996358.2/14

All: 377.497+/-0.058 χ^2/NDF : 1669222.5/28

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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: 0.279+/-12.410 χ^2/NDF :22.9/13

Left: 9.441+/-8.735 χ^2/NDF : 41.8/28

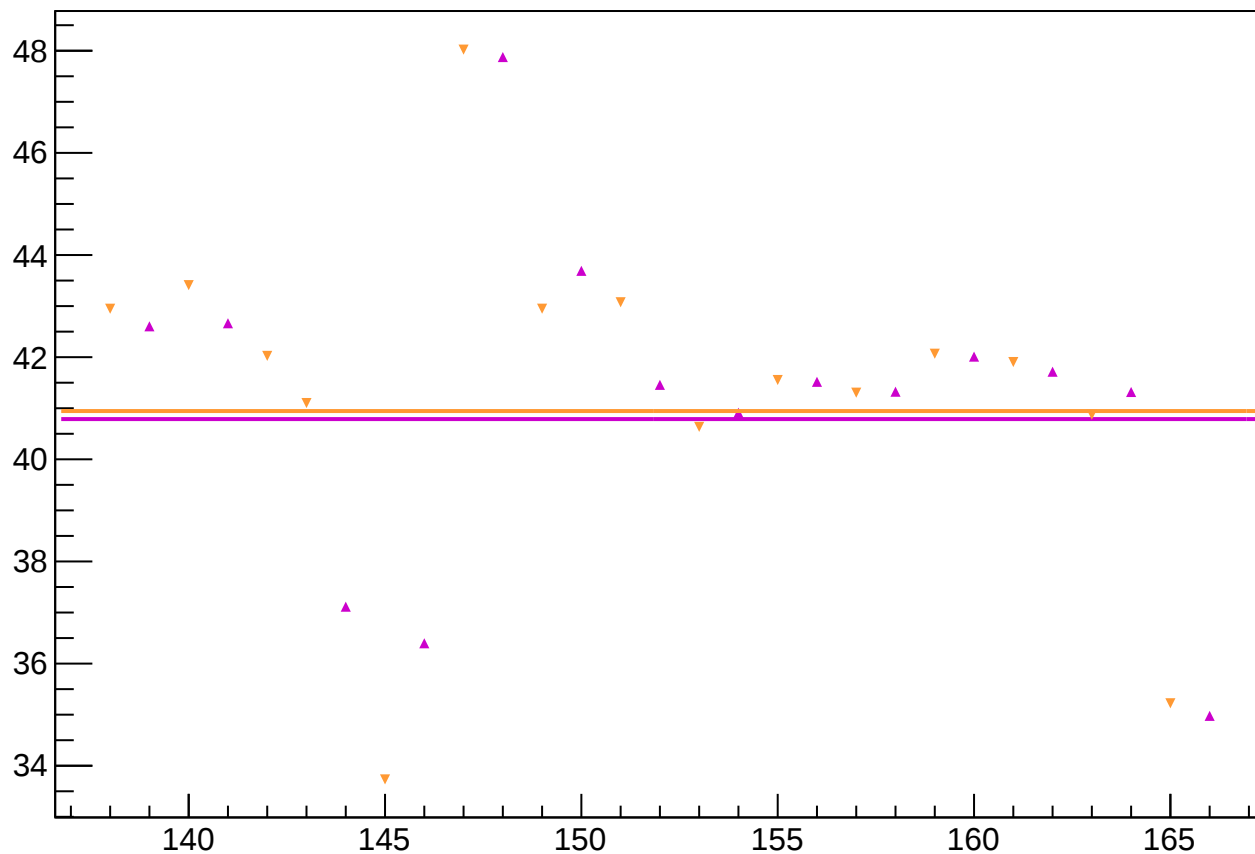
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.279+/-12.410 χ^2/NDF :22.9/13

Out: 18.436+/-12.297 χ^2/NDF :17.8/14

All: 9.441+/-8.735 χ^2/NDF : 41.8/28

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 40.945+/-0.009 χ^2/NDF :153981.0/14

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

Left In: 40.788+/-0.009 χ^2/NDF :122623.3/13

Left: 40.867+/-0.006 χ^2/NDF : 276766.6/28

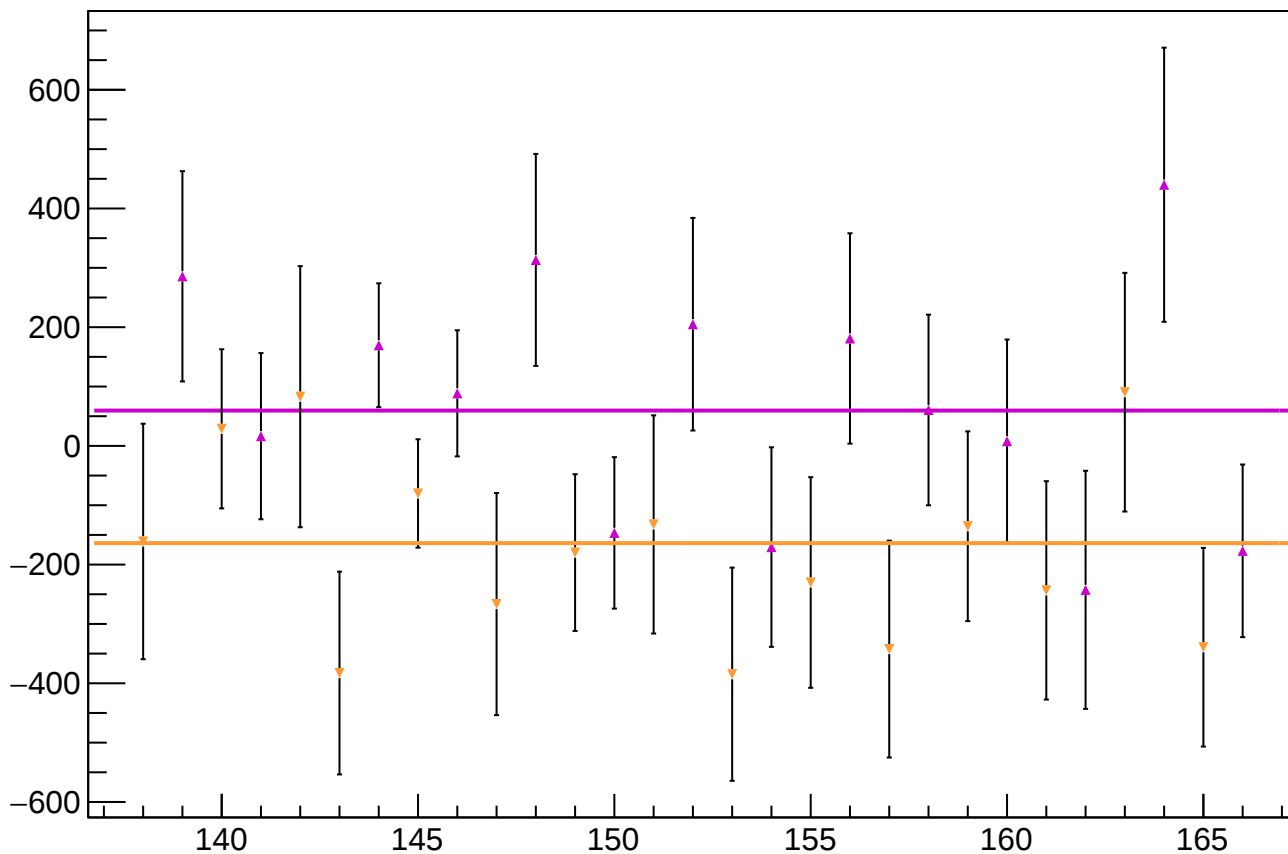
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 40.788+/-0.009 χ^2/NDF :122623.3/13

Out: 40.945+/-0.009 χ^2/NDF :153981.0/14

All: 40.867+/-0.006 χ^2/NDF : 276766.6/28

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -163.848+/-41.057 χ^2/NDF :11.7/14

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

Left In: 59.518+/-40.220 χ^2/NDF :18.3/13

Left: -49.866+/-28.731 χ^2/NDF : 45.0/28

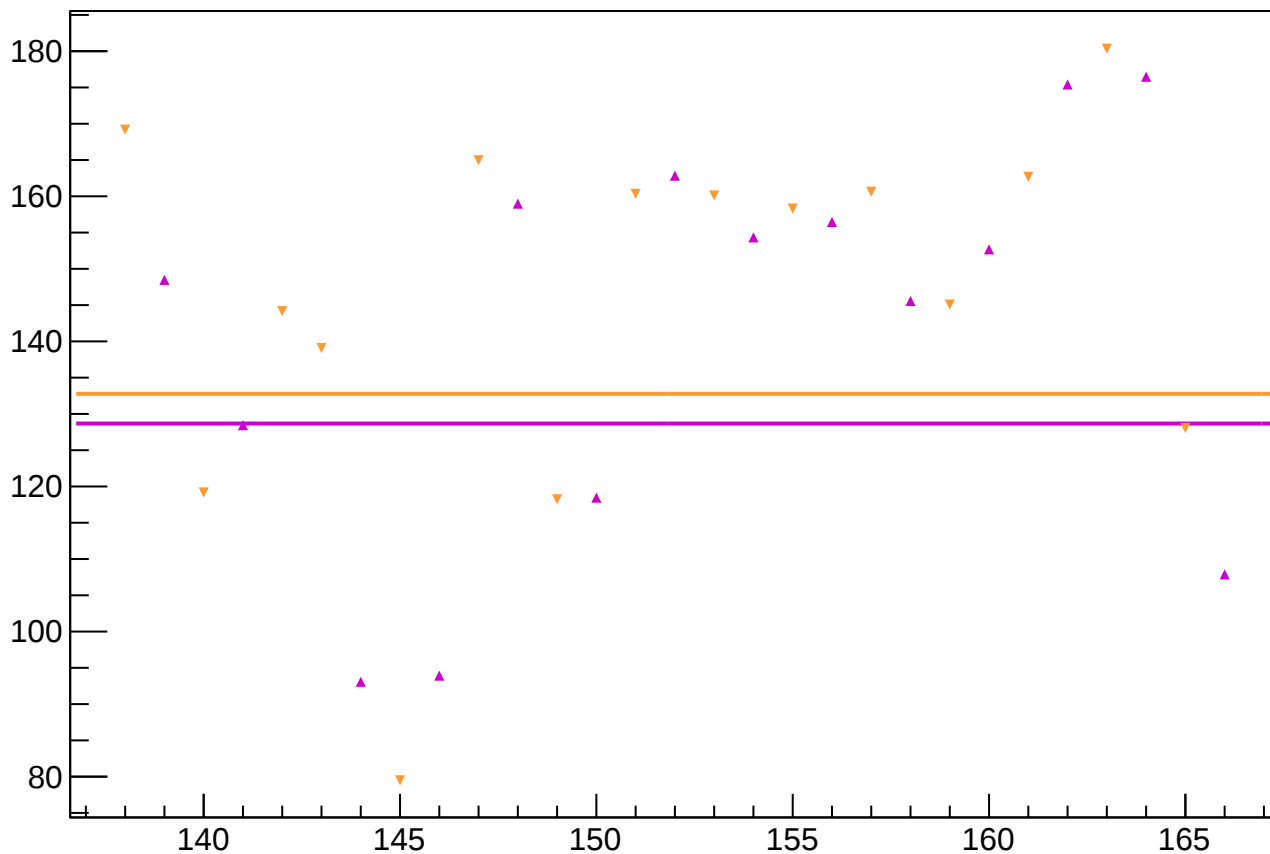
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 59.518+/-40.220 χ^2/NDF :18.3/13

Out: -163.848+/-41.057 χ^2/NDF :11.7/14

All: -49.866+/-28.731 χ^2/NDF : 45.0/28

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 132.770+/-0.029 χ^2/NDF :1218157.9/14

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

Left In: 128.675+/-0.028 χ^2/NDF :1007304.4/13

Left: 130.680+/-0.020 χ^2/NDF : 2235612.2/28

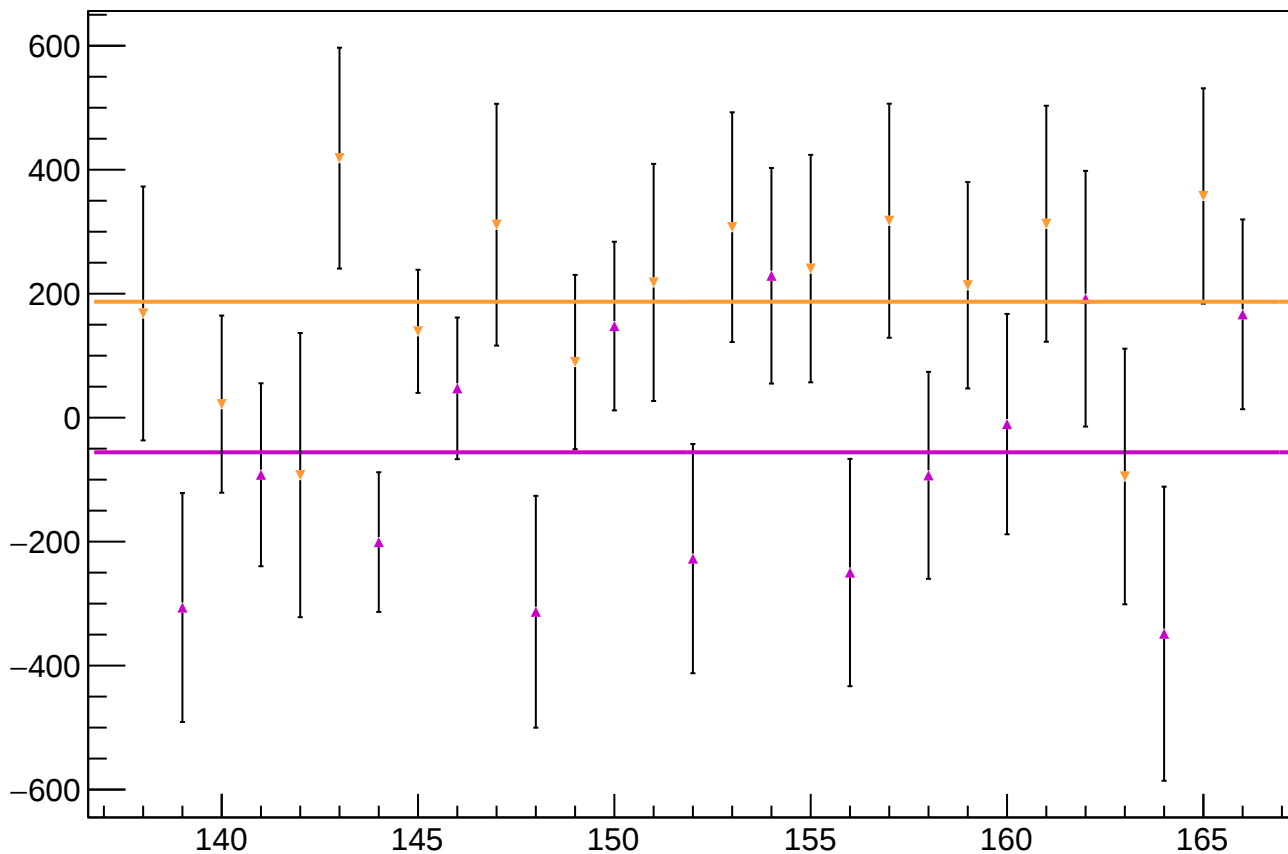
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 128.675+/-0.028 χ^2/NDF :1007304.4/13

Out: 132.770+/-0.029 χ^2/NDF :1218157.9/14

All: 130.680+/-0.020 χ^2/NDF : 2235612.2/28

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 187.028 ± 43.188 $\chi^2/\text{NDF}: 9.9/14$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -55.901 ± 42.383 $\chi^2/\text{NDF}: 18.4/13$

Left: 63.280 ± 30.250 $\chi^2/\text{NDF}: 44.4/28$

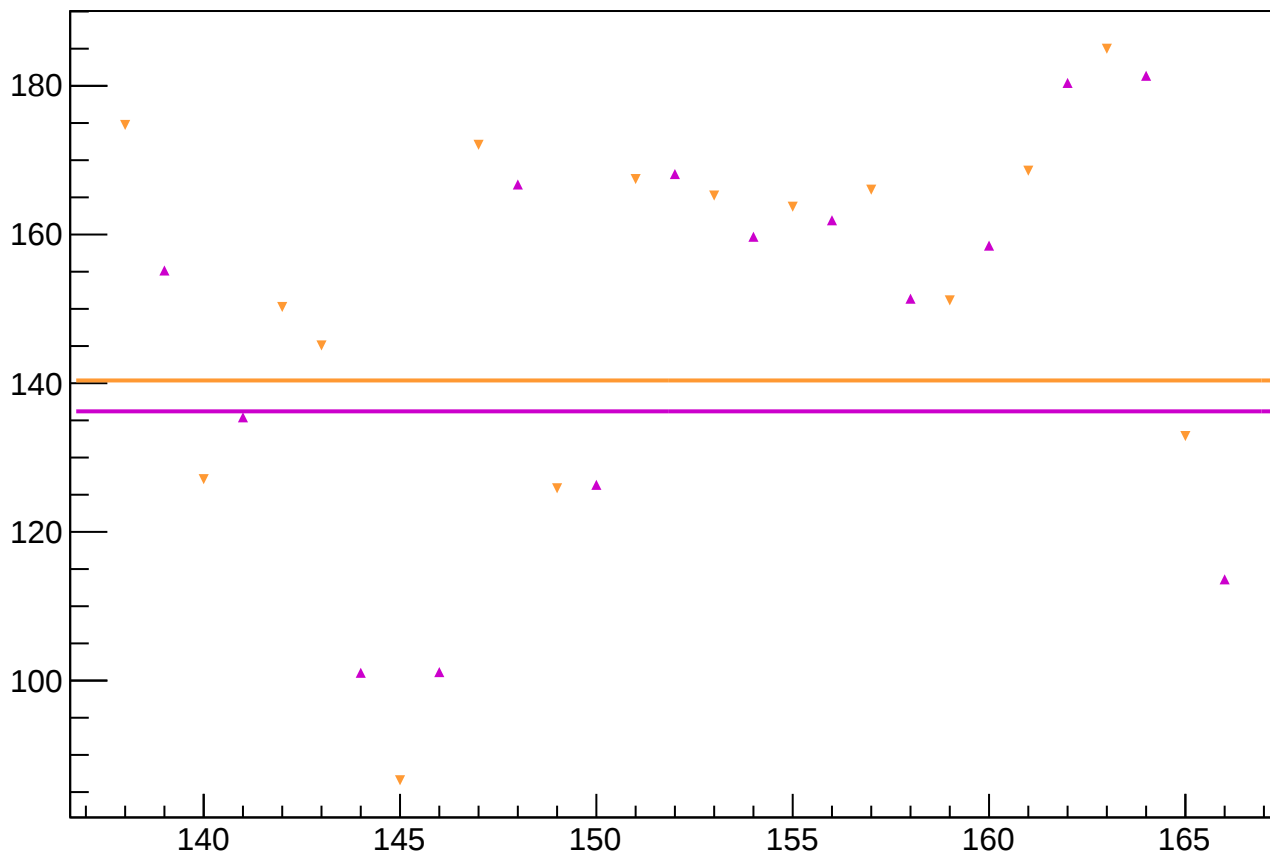
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -55.901 ± 42.383 $\chi^2/\text{NDF}: 18.4/13$

Out: 187.028 ± 43.188 $\chi^2/\text{NDF}: 9.9/14$

All: 63.280 ± 30.250 $\chi^2/\text{NDF}: 44.4/28$

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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: 136.215 +/- 0.030 χ^2/NDF : 859221.3/13

Left: 138.254 +/- 0.021 χ^2/NDF : 1903069.3/28

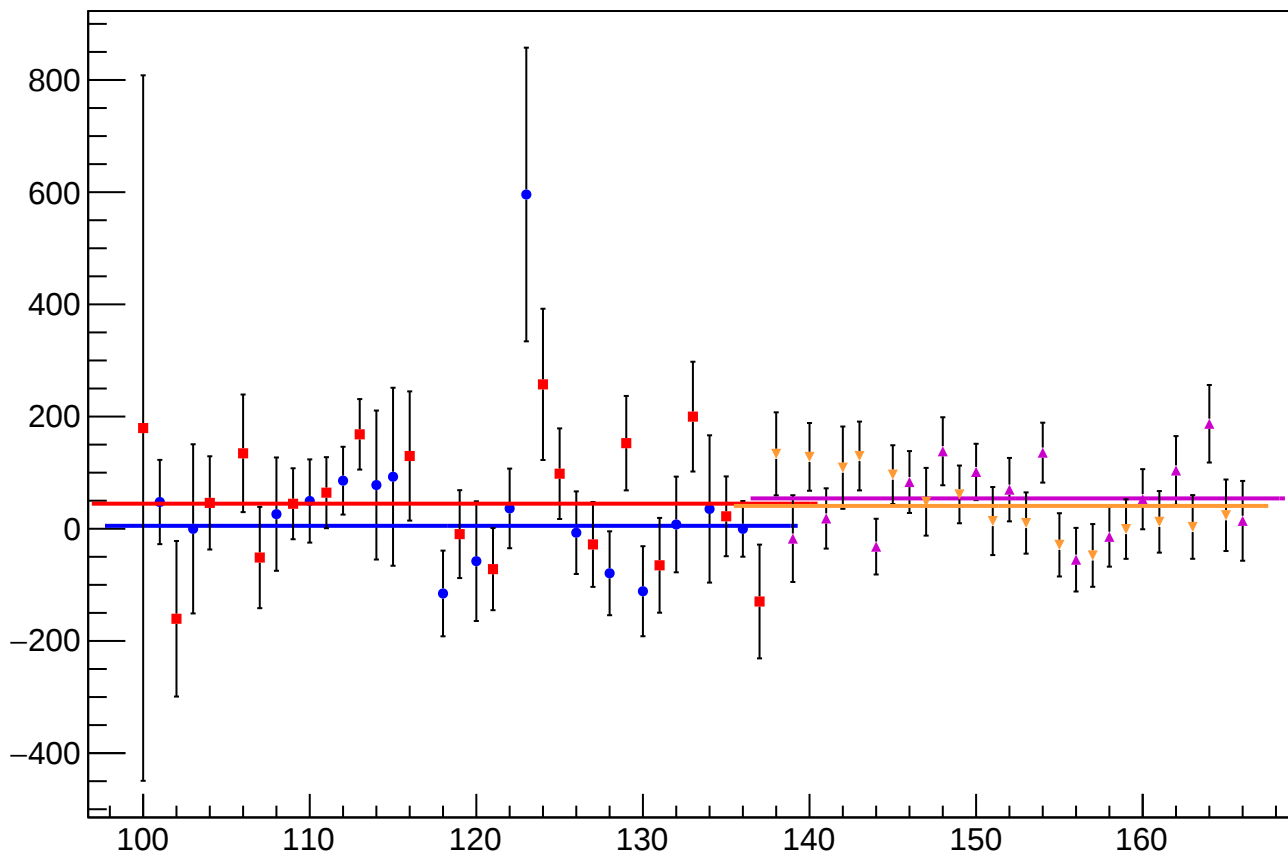
Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

In: 136.215 +/- 0.030 χ^2/NDF : 859221.3/13

Out: 140.370 +/- 0.031 χ^2/NDF : 1034416.8/14

All: 138.254 +/- 0.021 χ^2/NDF : 1903069.3/28

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



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: 54.108 ± 15.313 χ^2/NDF : 19.8/13

Left: 47.282 ± 10.736 χ^2/NDF : 34.1/28

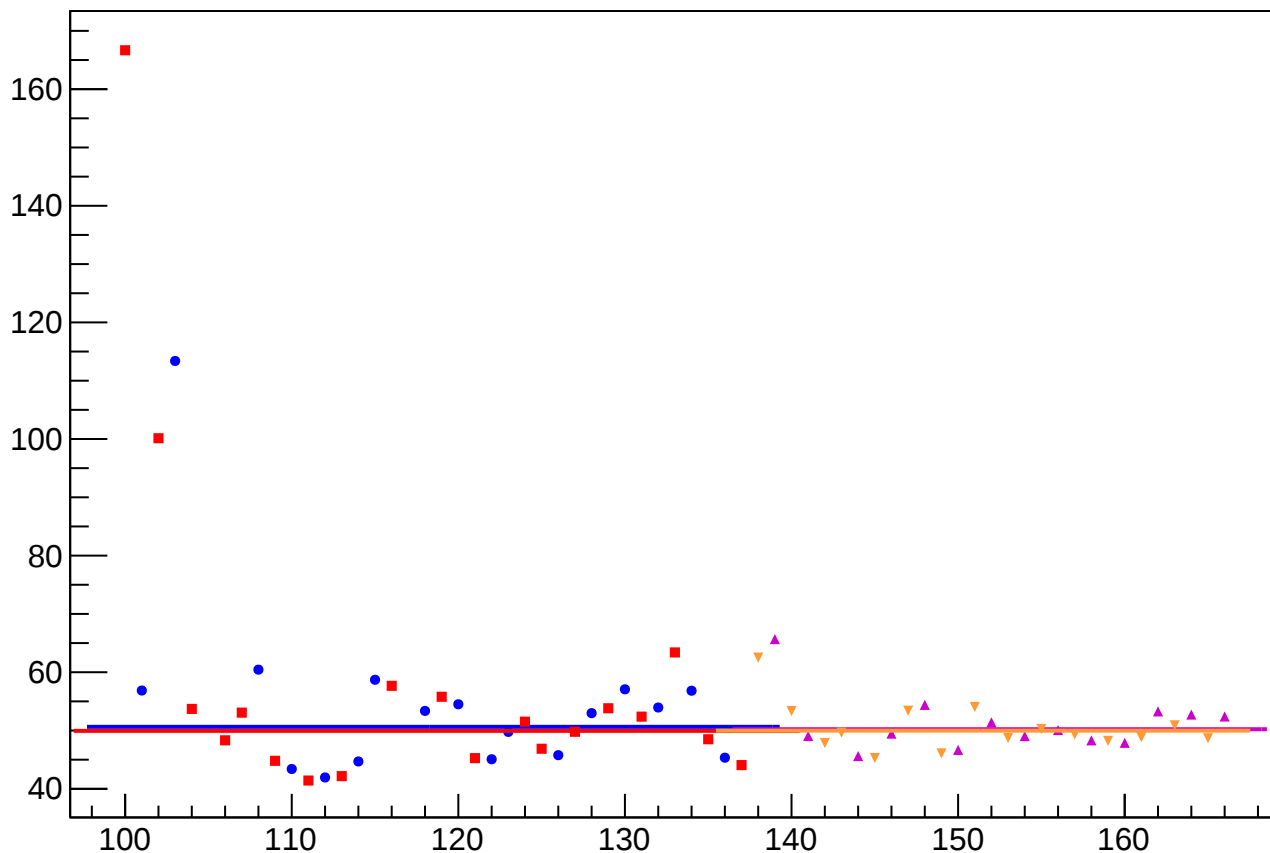
Right: 25.706 ± 13.979 χ^2/NDF : 41.1/35

In: 36.211 ± 12.192 χ^2/NDF : 38.3/30

Out: 42.197 ± 11.897 χ^2/NDF : 38.3/33

All: 39.278 ± 8.515 χ^2/NDF : 76.6/64

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.983 $\pm$ 0.011 χ^2 /NDF:113995.6/14

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

Left In: 50.225 $\pm$ 0.011 χ^2 /NDF:135601.7/13

Left: 50.102 $\pm$ 0.008 χ^2 /NDF: 249850.2/28

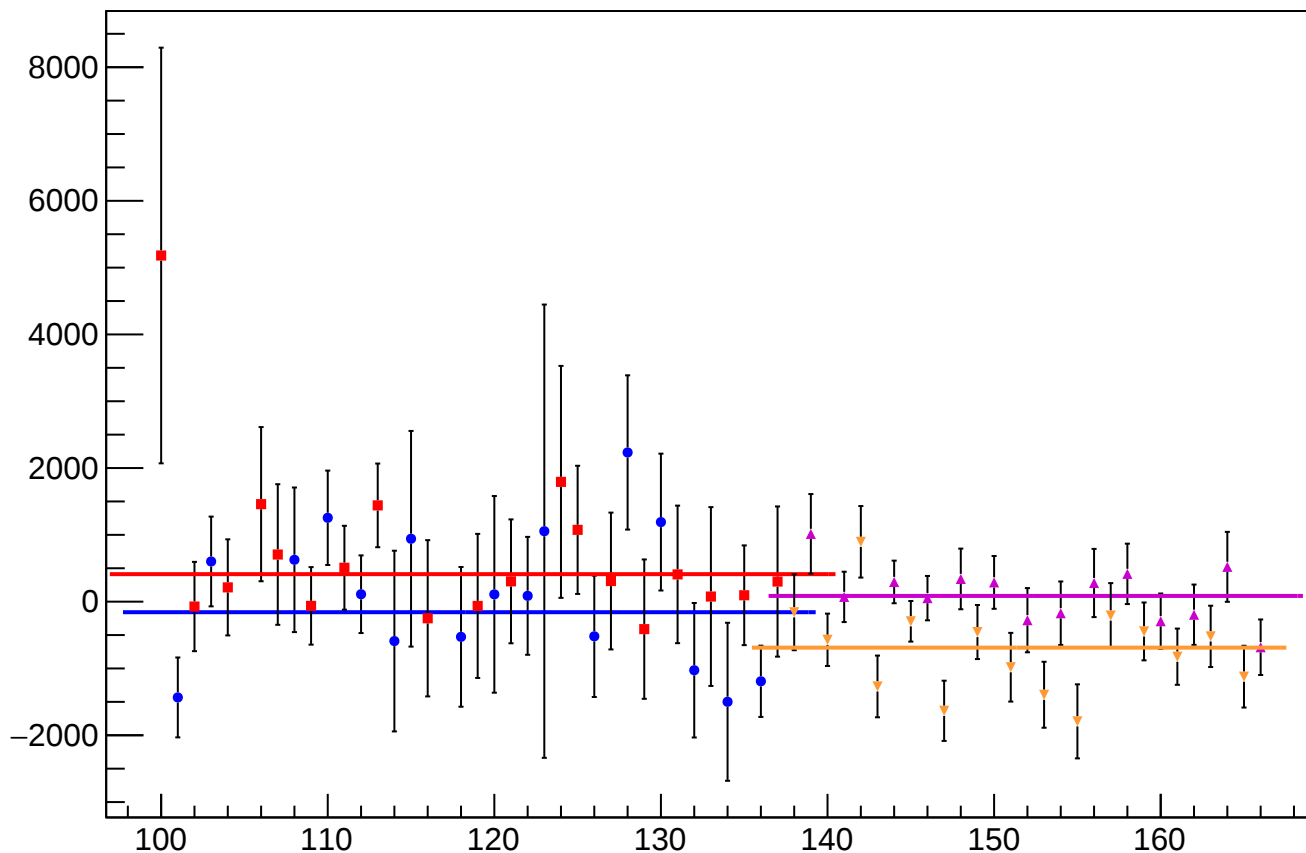
Right: 50.276 $\pm$ 0.010 χ^2 /NDF: 1021399.4/35

In: 50.375 $\pm$ 0.009 χ^2 /NDF:655814.5/30

Out: 49.968 $\pm$ 0.008 χ^2 /NDF:614489.8/33

All: 50.166 $\pm$ 0.006 χ^2 /NDF: 1271444.8/64

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -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: 85.727 $\pm$ 113.490 χ^2 /NDF:10.3/13

Left: -295.713 $\pm$ 80.827 χ^2 /NDF: 59.7/28

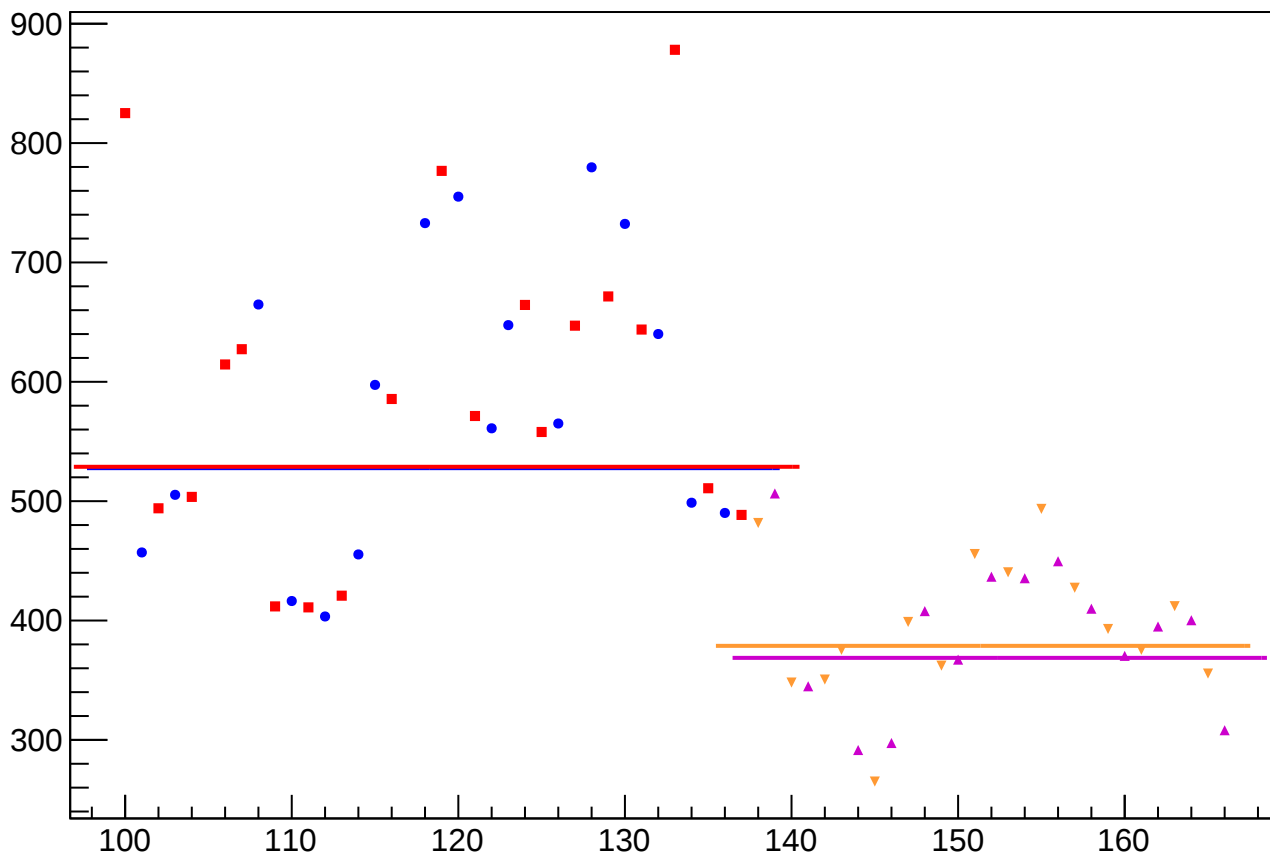
Right: 135.816 $\pm$ 146.251 χ^2 /NDF: 37.0/35

In: 30.707 $\pm$ 99.862 χ^2 /NDF:34.8/30

Out: -421.861 $\pm$ 100.228 χ^2 /NDF:58.3/33

All: -194.749 $\pm$ 70.742 χ^2 /NDF: 103.4/64

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



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: 368.724+/-0.080 χ^2/NDF : 541938.8/13

Left: 373.685+/-0.057 χ^2/NDF : 1119970.6/28

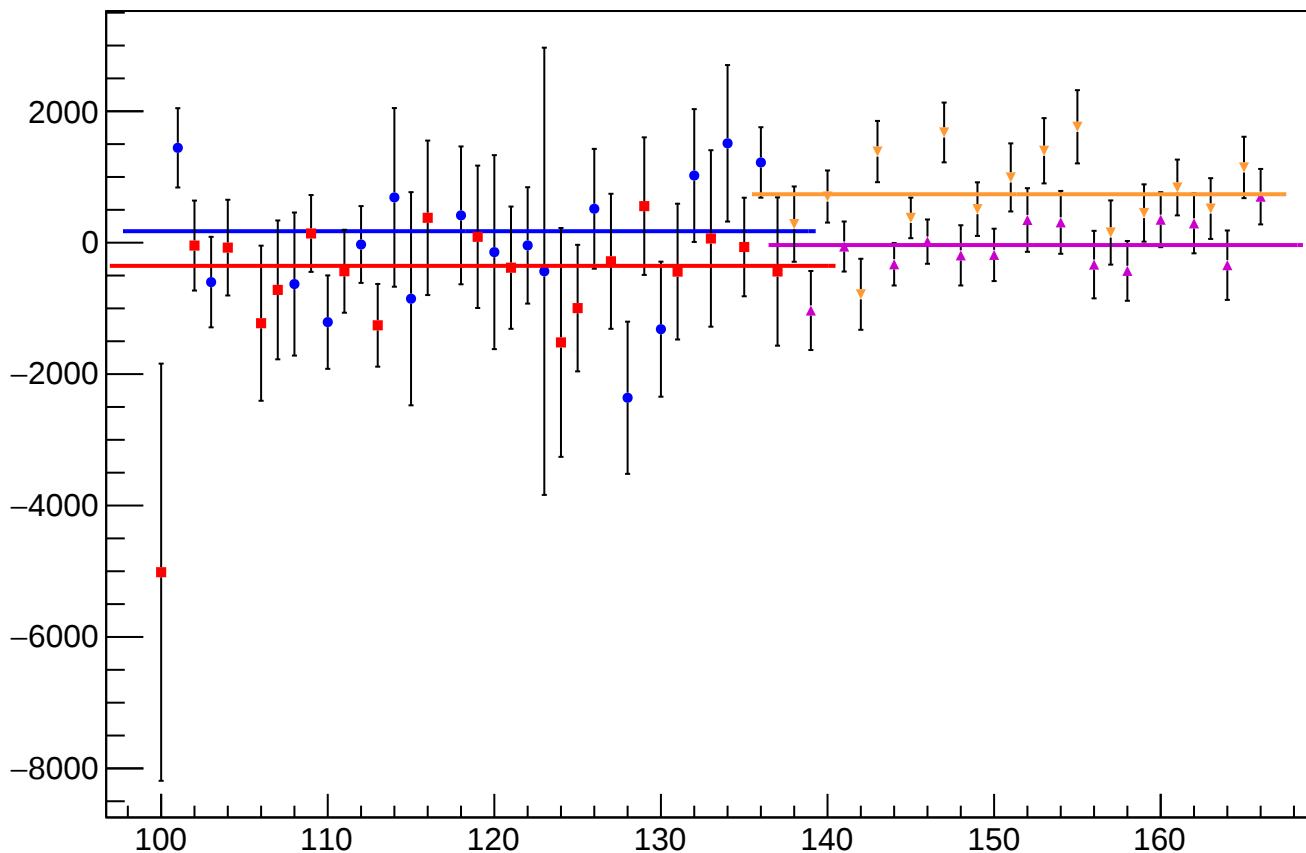
Right: 528.253+/-0.103 χ^2/NDF : 1180818.7/35

In: 404.603+/-0.071 χ^2/NDF : 1984864.0/30

Out: 415.134+/-0.071 χ^2/NDF : 2016115.7/33

All: 409.849+/-0.050 χ^2/NDF : 4012058.7/64

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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: -36.156 $\pm$ 114.627 χ^2 /NDF:10.8/13

Left: 345.093 $\pm$ 81.612 χ^2 /NDF: 58.0/28

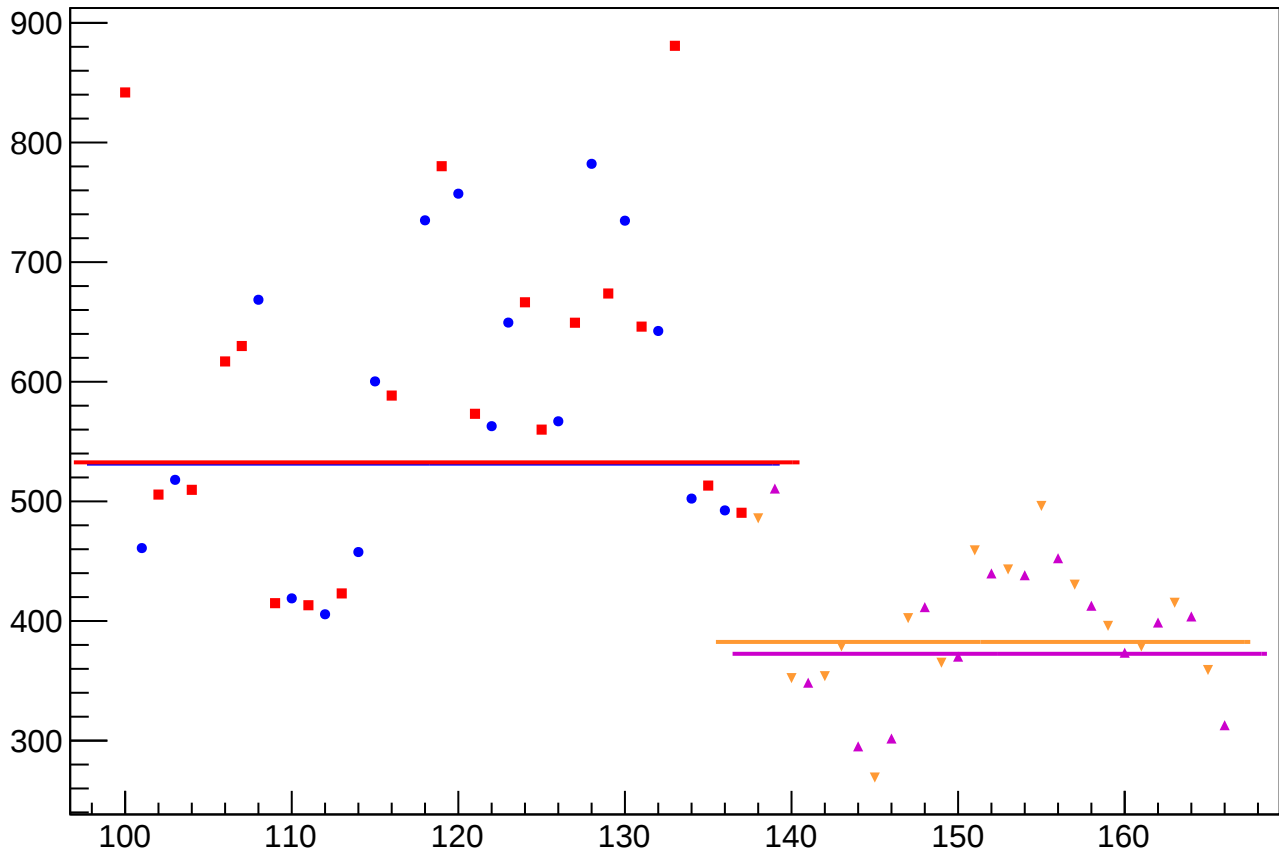
Right: -97.148 $\pm$ 147.331 χ^2 /NDF: 35.3/35

In: 11.639 $\pm$ 100.795 χ^2 /NDF:35.3/30

Out: 472.395 $\pm$ 101.129 χ^2 /NDF:54.5/33

All: 241.255 $\pm$ 71.391 χ^2 /NDF: 100.2/64

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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: 372.585+/-0.081 χ^2/NDF : 525168.0/13

Left: 377.478+/-0.058 χ^2/NDF : 1085280.0/28

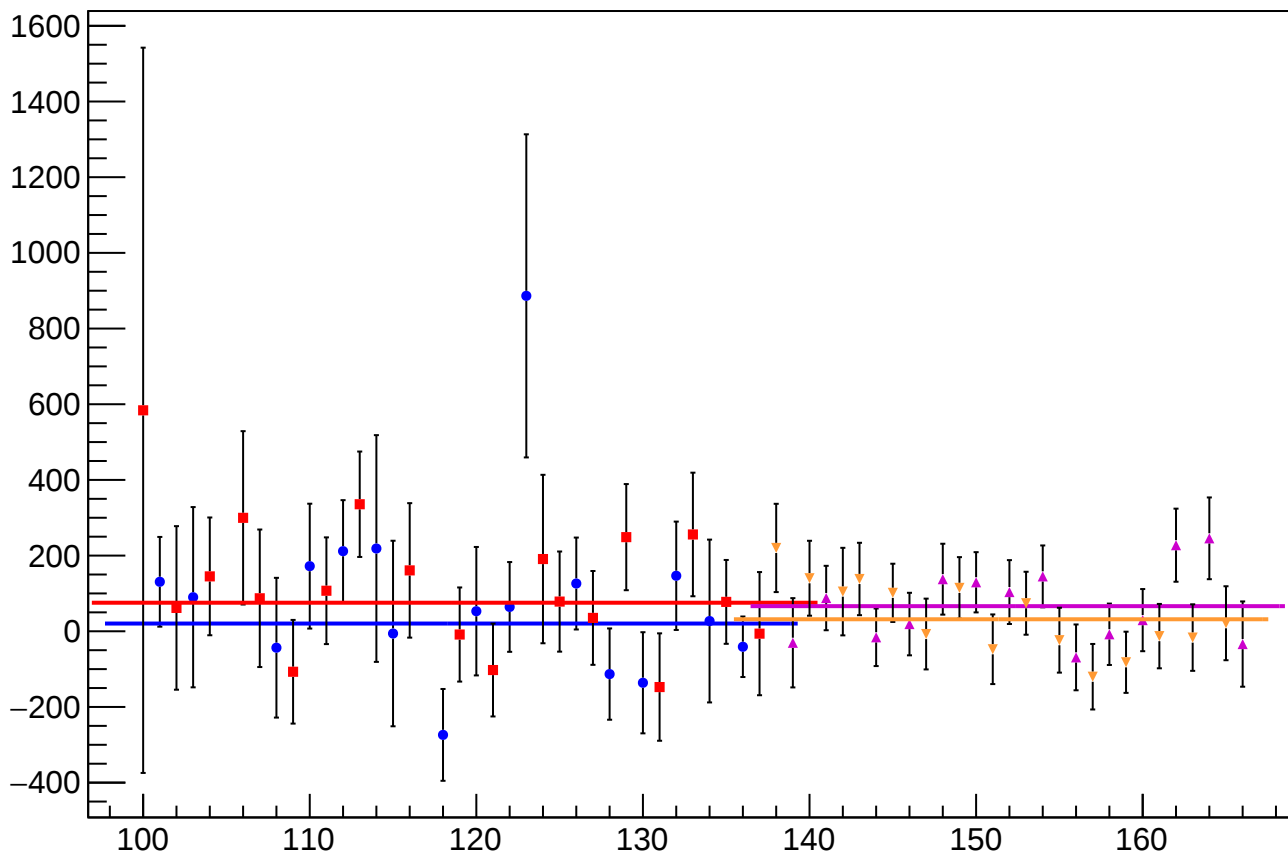
Right: 532.104+/-0.104 χ^2/NDF : 1165860.0/35

In: 408.636+/-0.071 χ^2/NDF : 1947569.5/30

Out: 418.967+/-0.072 χ^2/NDF : 1978796.5/33

All: 413.784+/-0.050 χ^2/NDF : 3936836.5/64

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 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: 66.385 $\pm$ 23.601 χ^2 /NDF:14.4/13

Left: 48.788 $\pm$ 16.559 χ^2 /NDF: 30.0/28

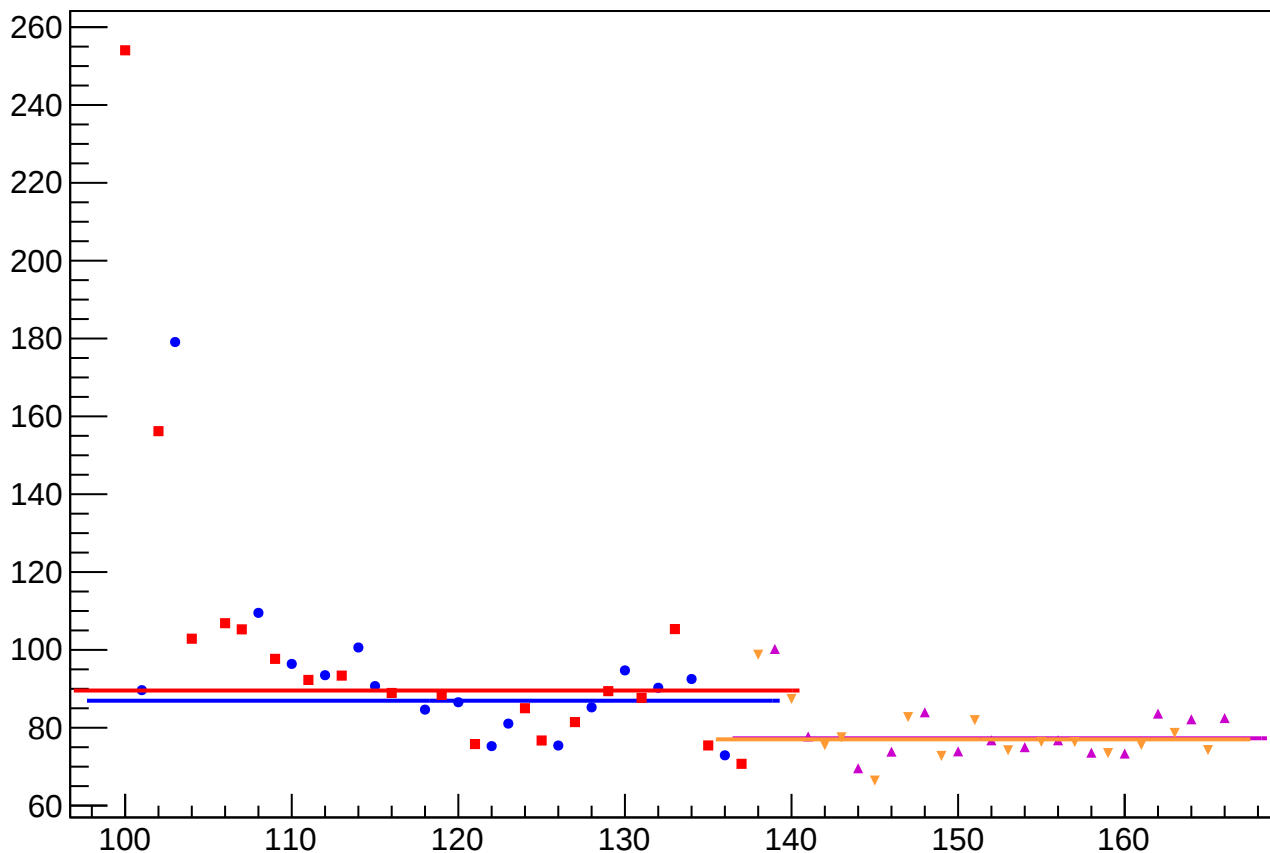
Right: 47.856 $\pm$ 24.495 χ^2 /NDF: 35.9/35

In: 51.786 $\pm$ 19.494 χ^2 /NDF:34.8/30

Out: 45.268 $\pm$ 19.309 χ^2 /NDF:31.0/33

All: 48.496 $\pm$ 13.719 χ^2 /NDF: 65.9/64

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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: 77.292+/-0.017 χ^2/NDF : 140795.7/13

Left: 77.153+/-0.012 χ^2/NDF : 298641.6/28

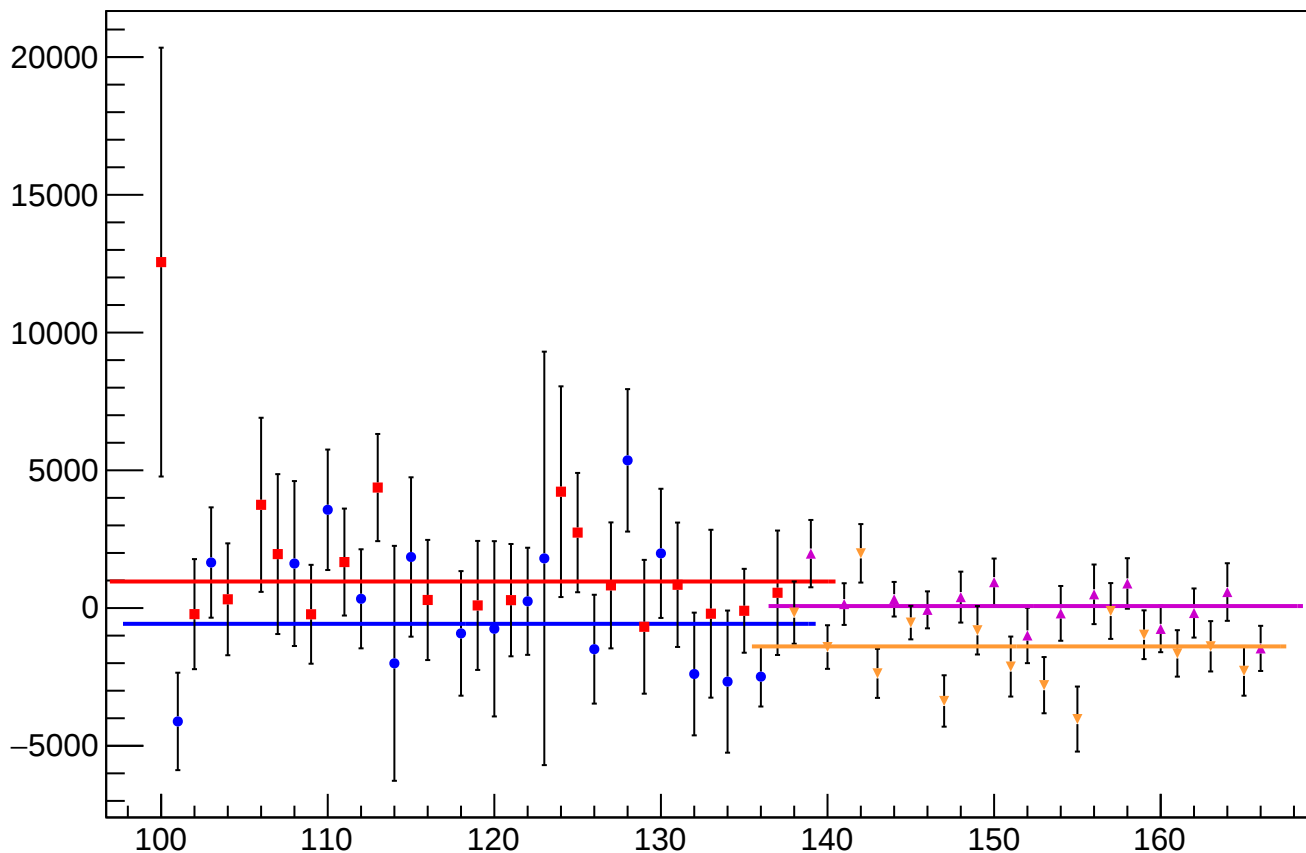
Right: 88.247+/-0.017 χ^2/NDF : 892752.0/35

In: 80.359+/-0.014 χ^2/NDF : 702852.5/30

Out: 80.902+/-0.014 χ^2/NDF : 769356.4/33

All: 80.633+/-0.010 χ^2/NDF : 1472992.8/64

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 $\pm$ 517.020 χ^2/NDF : 21.9/16

Left Out: -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: 72.453 $\pm$ 230.578 χ^2/NDF : 10.7/13

Left: -649.366 $\pm$ 164.214 χ^2/NDF : 60.3/28

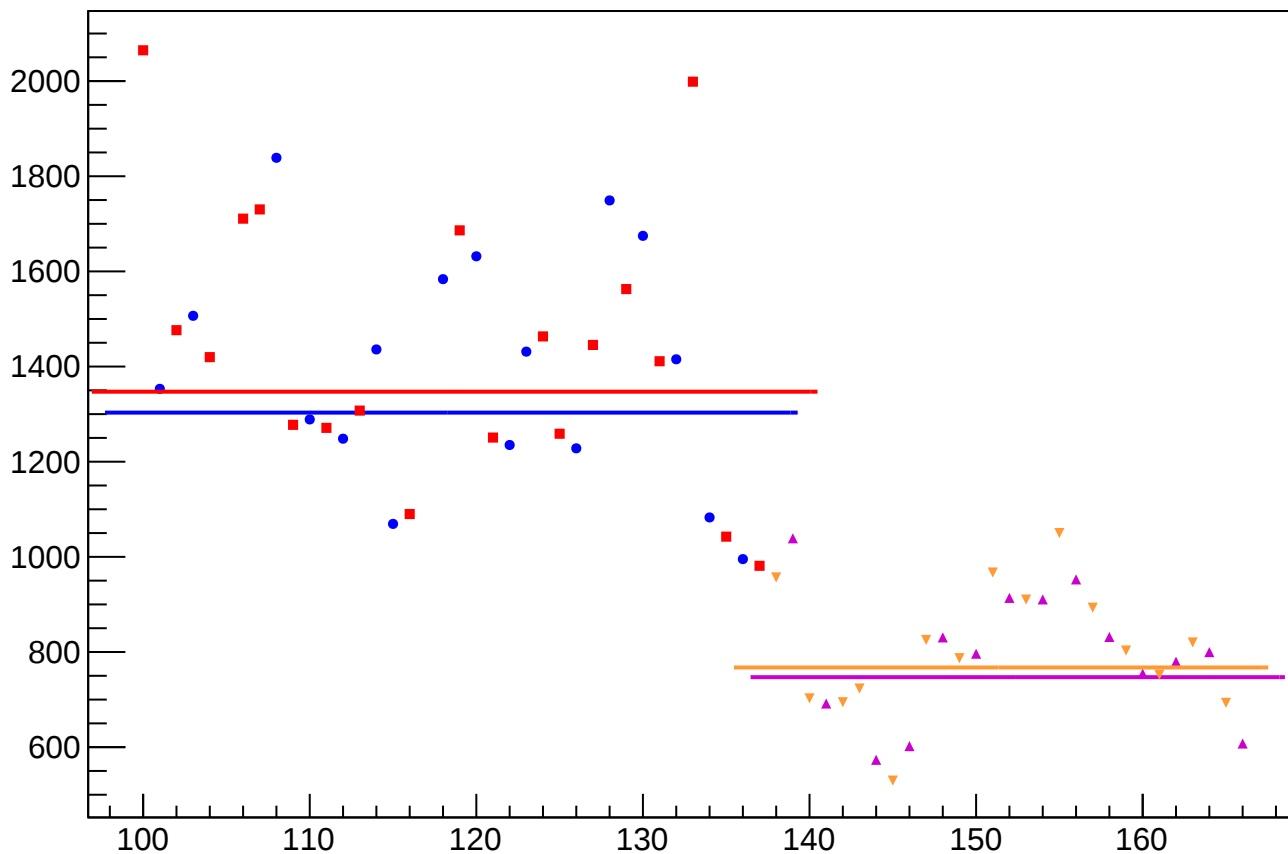
Right: 199.325 $\pm$ 364.737 χ^2/NDF : 36.4/35

In: -34.517 $\pm$ 210.585 χ^2/NDF : 33.9/30

Out: -988.828 $\pm$ 212.957 χ^2/NDF : 57.2/33

All: -506.328 $\pm$ 149.738 χ^2/NDF : 101.2/64

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 767.493+/-0.165 χ^2/NDF : 673661.8/14

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

Left In: 747.119+/-0.163 χ^2/NDF : 657867.8/13

Left: 757.159+/-0.116 χ^2/NDF : 1339224.6/28

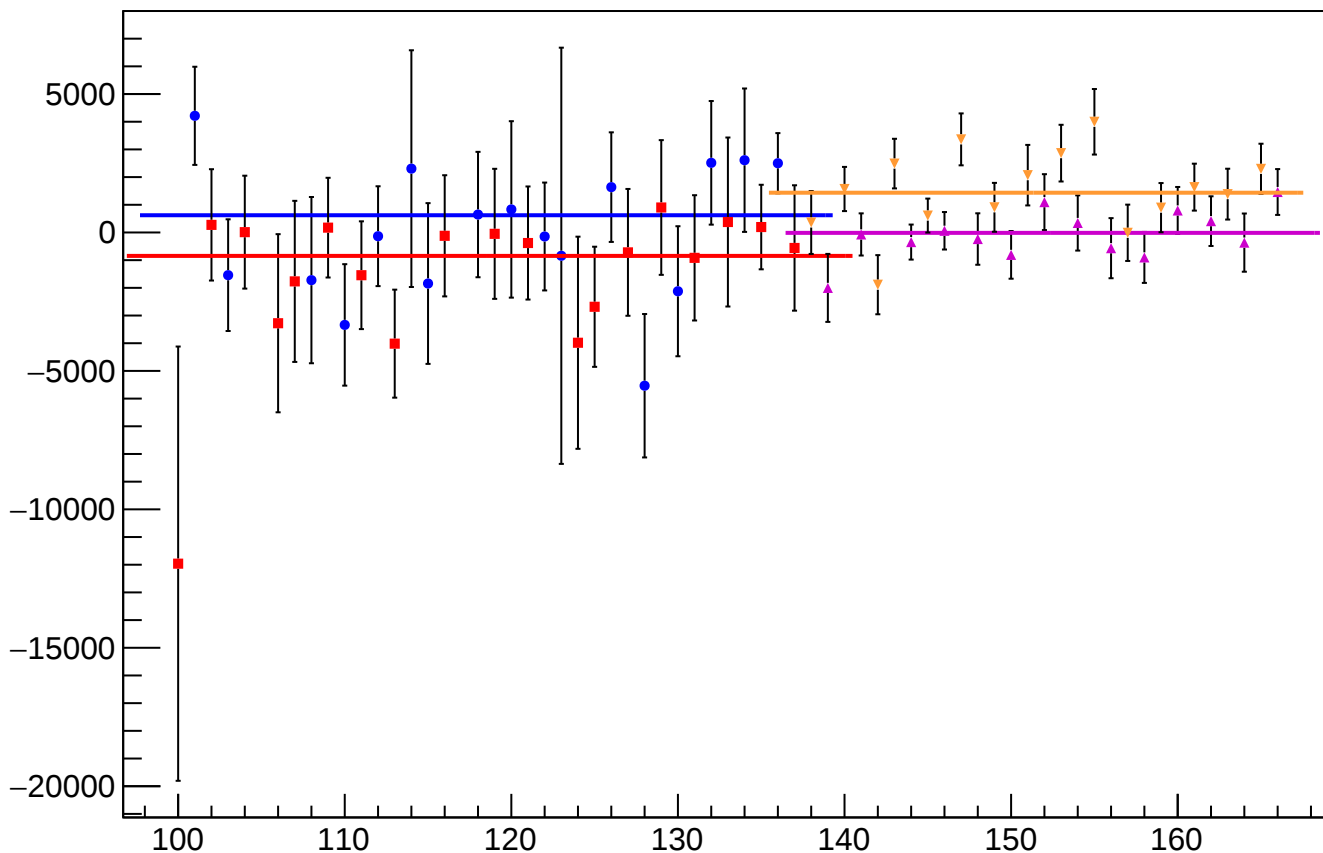
Right: 1325.291+/-0.258 χ^2/NDF : 880004.2/35

In: 839.372+/-0.149 χ^2/NDF : 3039628.6/30

Out: 866.759+/-0.151 χ^2/NDF : 3197562.9/33

All: 852.912+/-0.106 χ^2/NDF : 6253916.0/64

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 ± 518.496 $\chi^2/\text{NDF}: 22.0/16$

Left Out: 1435.994 ± 235.228 $\chi^2/\text{NDF}: 28.7/14$

Right Out: -846.021 ± 516.325 $\chi^2/\text{NDF}: 9.1/18$

Left In: -14.005 ± 231.968 $\chi^2/\text{NDF}: 10.8/13$

Left: 700.878 ± 165.167 $\chi^2/\text{NDF}: 58.7/28$

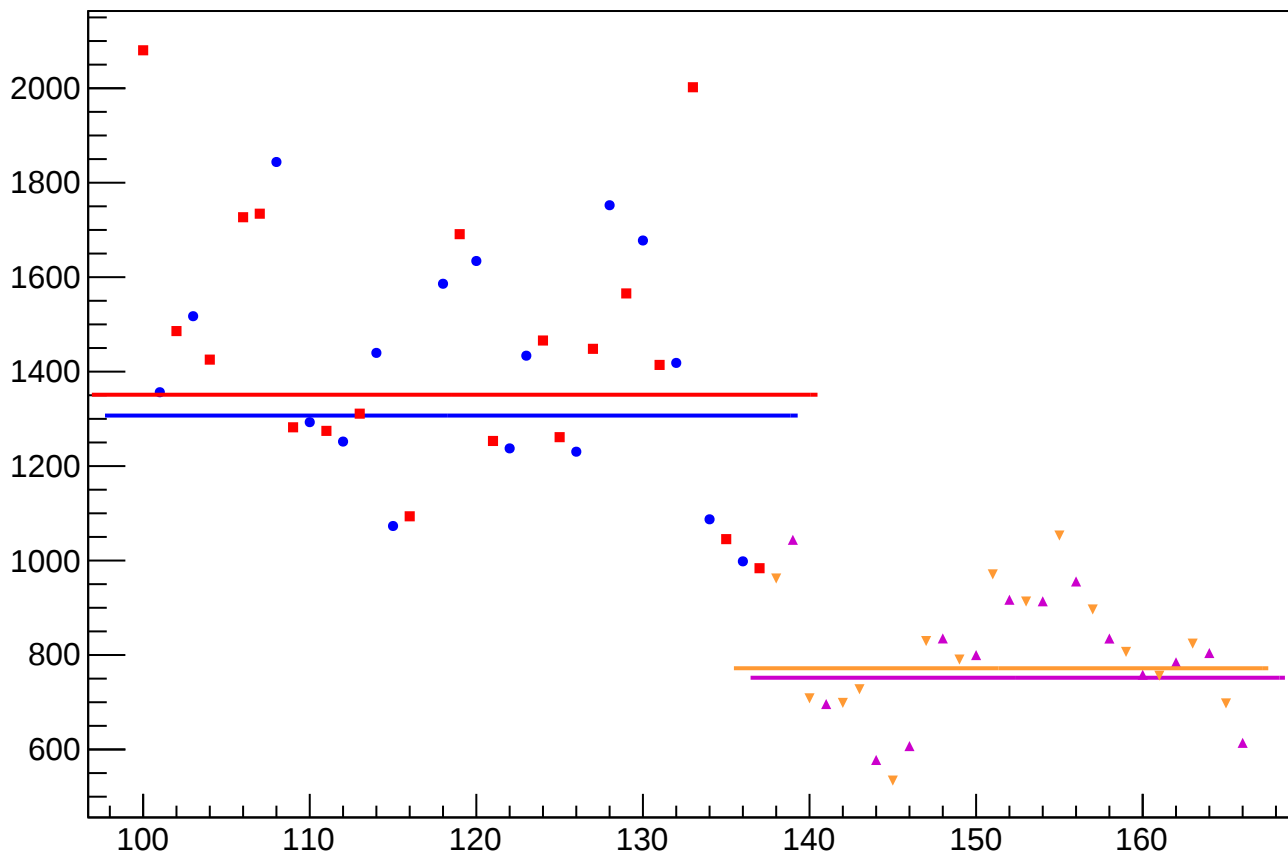
Right: -114.886 ± 365.862 $\chi^2/\text{NDF}: 35.1/35$

In: 92.133 ± 211.743 $\chi^2/\text{NDF}: 34.0/30$

Out: 1043.762 ± 214.060 $\chi^2/\text{NDF}: 54.0/33$

All: 562.770 ± 150.537 $\chi^2/\text{NDF}: 97.9/64$

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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: 751.862 ± 0.164 $\chi^2/\text{NDF}: 645118.5/13$

Left: 761.773 ± 0.117 $\chi^2/\text{NDF}: 1315030.1/28$

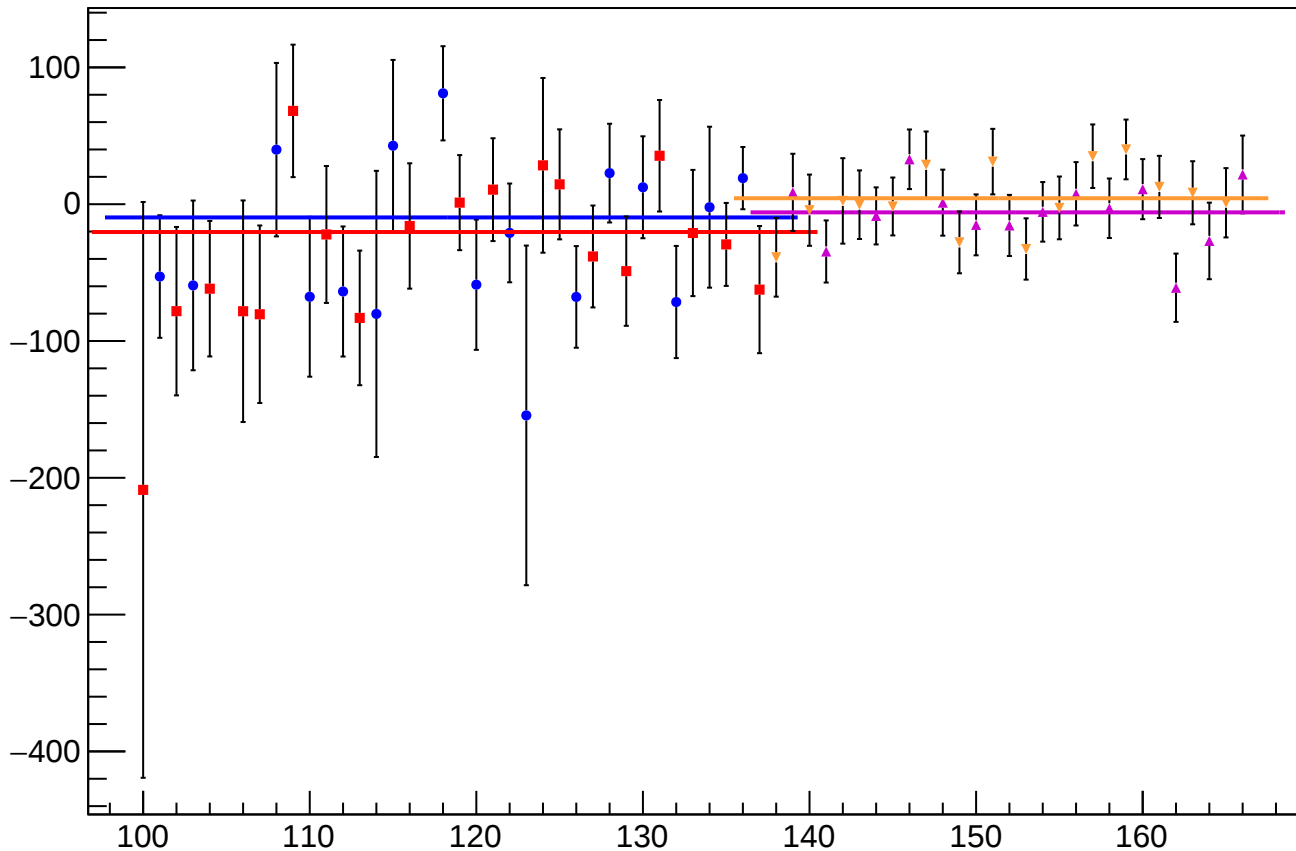
Right: 1329.131 ± 0.259 $\chi^2/\text{NDF}: 880266.0/35$

In: 844.442 ± 0.150 $\chi^2/\text{NDF}: 3006485.4/30$

Out: 871.505 ± 0.151 $\chi^2/\text{NDF}: 3168001.1/33$

All: 857.826 ± 0.106 $\chi^2/\text{NDF}: 6190645.0/64$

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669 ± 10.408 $\chi^2/\text{NDF}: 22.6/16$

Left Out: 4.343 ± 6.185 $\chi^2/\text{NDF}: 14.2/14$

Right Out: -20.335 ± 10.444 $\chi^2/\text{NDF}: 14.7/18$

Left In: -5.966 ± 6.248 $\chi^2/\text{NDF}: 12.8/13$

Left: -0.760 ± 4.396 $\chi^2/\text{NDF}: 28.4/28$

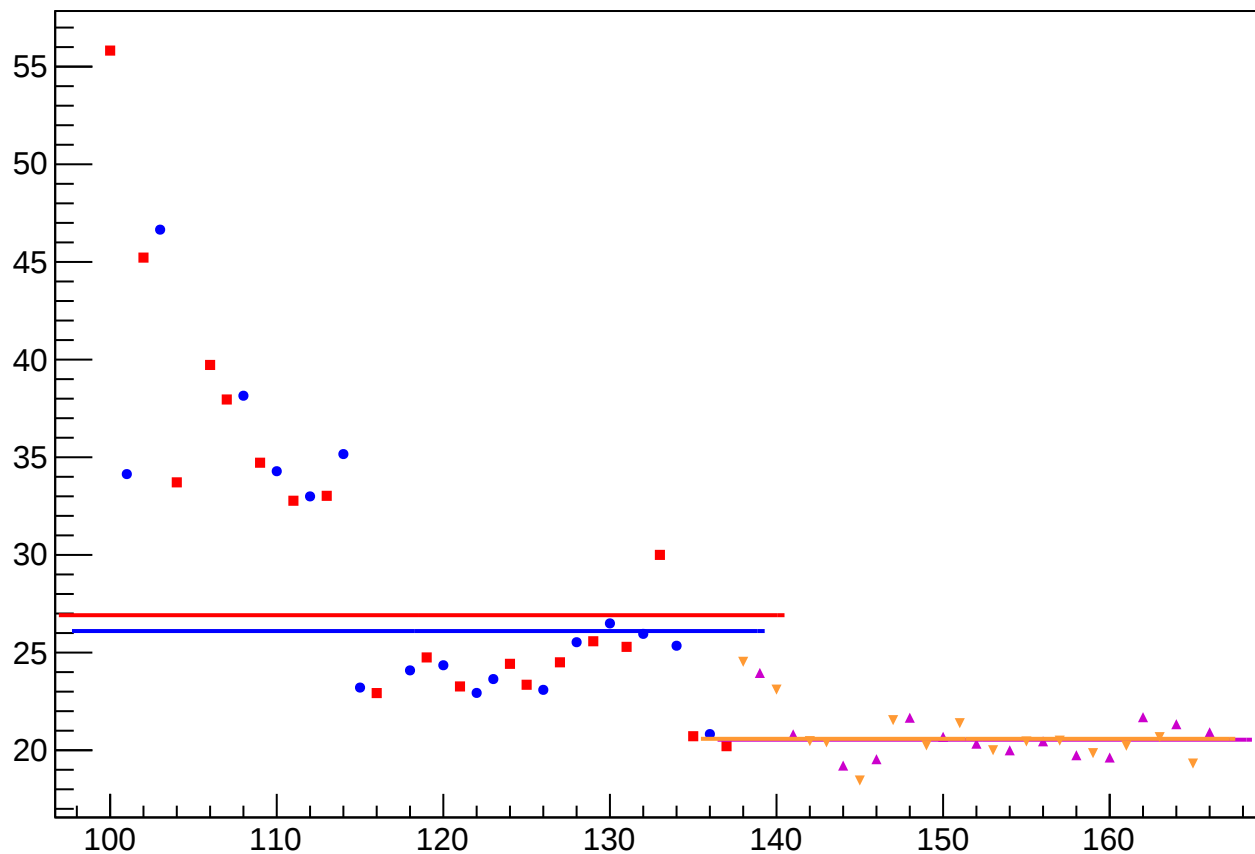
Right: -14.983 ± 7.372 $\chi^2/\text{NDF}: 37.7/35$

In: -6.947 ± 5.357 $\chi^2/\text{NDF}: 35.5/30$

Out: -2.066 ± 5.322 $\chi^2/\text{NDF}: 33.0/33$

All: -4.490 ± 3.775 $\chi^2/\text{NDF}: 68.9/64$

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.585 $\pm$ 0.004 χ^2 /NDF: 91774.0/14

Right Out: 26.914 $\pm$ 0.007 χ^2 /NDF: 678970.2/18

Left In: 20.539 $\pm$ 0.004 χ^2 /NDF: 60187.9/13

Left: 20.562 $\pm$ 0.003 χ^2 /NDF: 152015.7/28

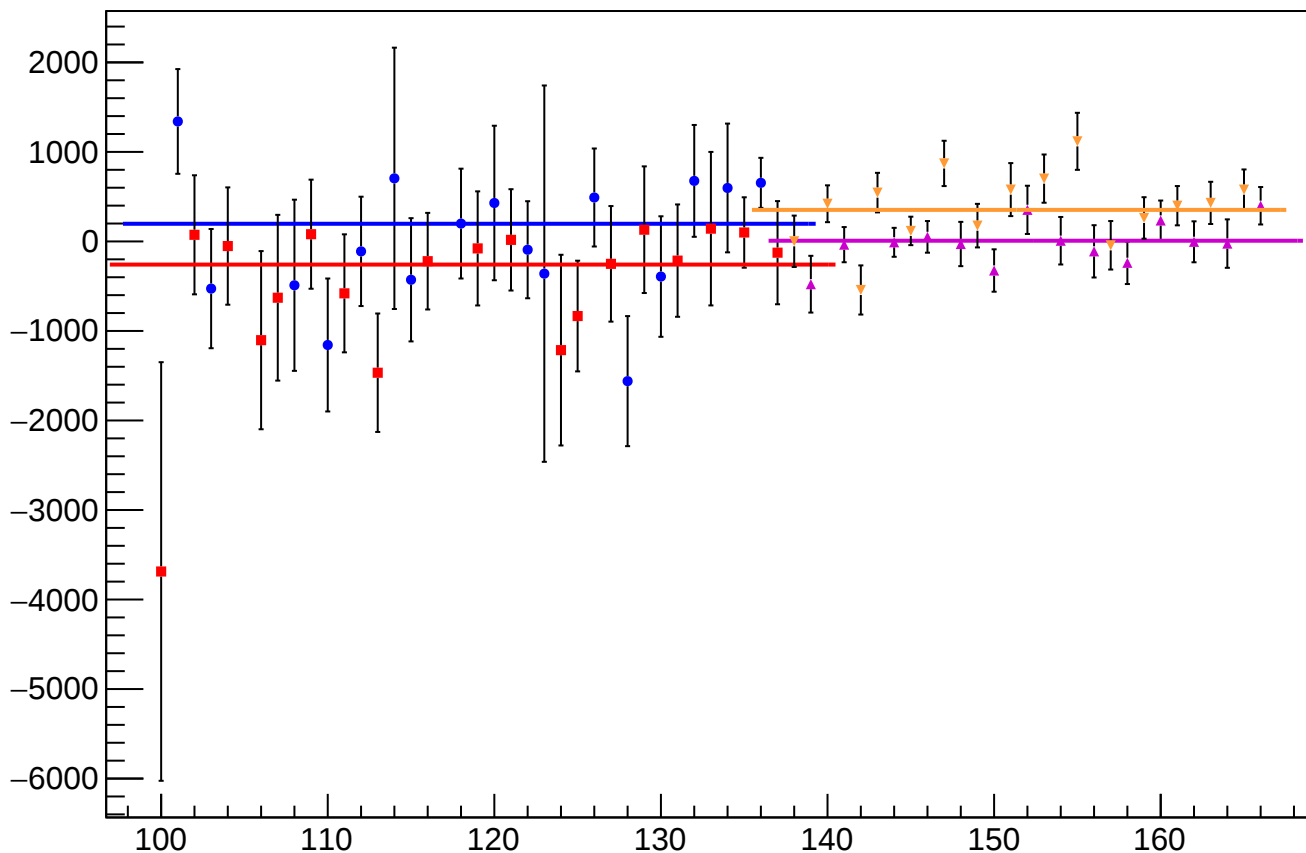
Right: 26.507 $\pm$ 0.005 χ^2 /NDF: 1289062.8/35

In: 22.013 $\pm$ 0.004 χ^2 /NDF: 1084315.5/30

Out: 22.228 $\pm$ 0.004 χ^2 /NDF: 1314507.1/33

All: 22.121 $\pm$ 0.003 χ^2 /NDF: 2400450.6/64

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 352.304 $\pm$ 61.152 χ^2 /NDF:31.4/14

Right Out: -258.537 $\pm$ 149.867 χ^2 /NDF: 10.7/18

Left In: 7.875 $\pm$ 60.466 χ^2 /NDF:11.9/13

Left: 178.146 $\pm$ 42.997 χ^2 /NDF: 59.3/28

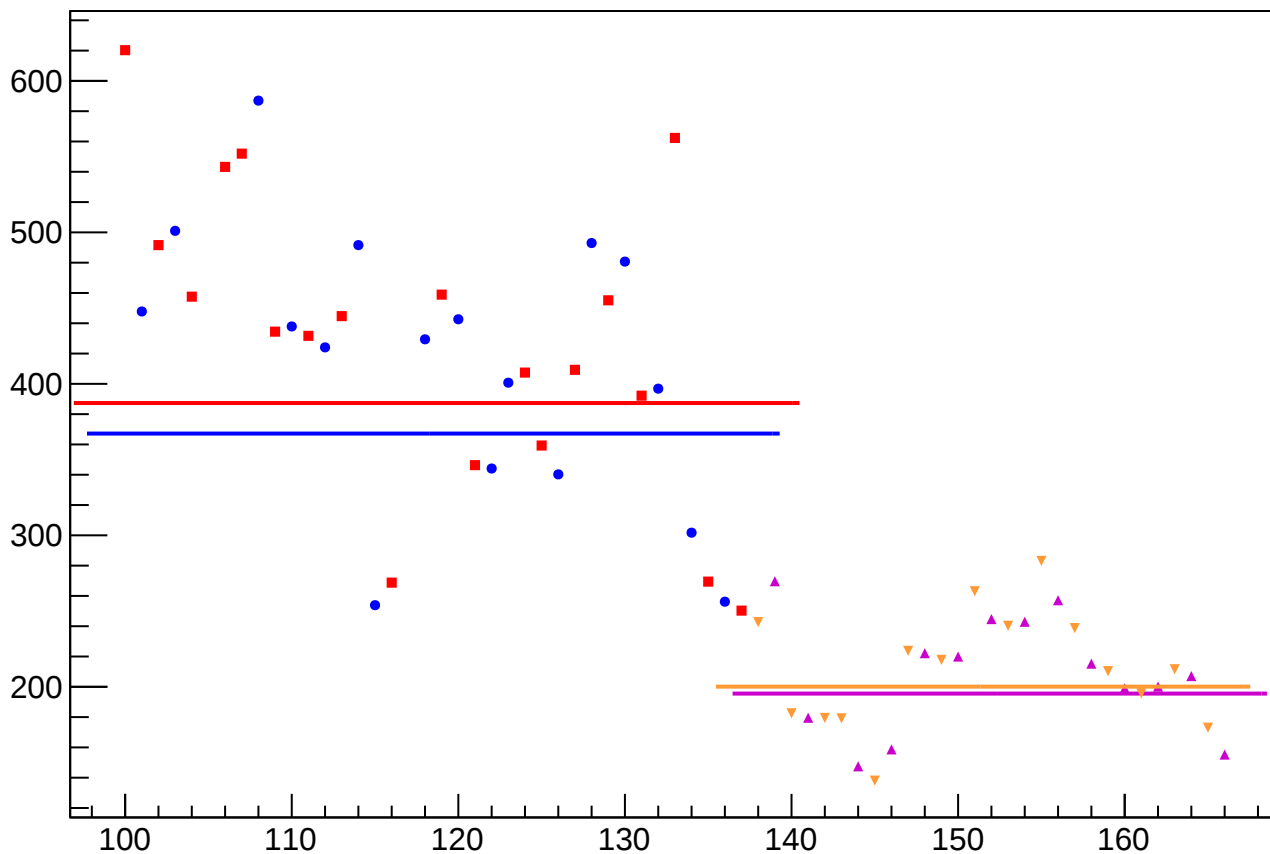
Right: -27.568 $\pm$ 105.264 χ^2 /NDF: 36.3/35

In: 35.011 $\pm$ 55.969 χ^2 /NDF:34.2/30

Out: 265.115 $\pm$ 56.620 χ^2 /NDF:56.3/33

All: 148.732 $\pm$ 39.804 χ^2 /NDF: 98.9/64

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180+/-0.105 χ^2/NDF : 827148.2/16

Left Out: 200.109+/-0.043 χ^2/NDF : 770872.6/14

Right Out: 387.344+/-0.106 χ^2/NDF : 774562.4/18

Left In: 195.526+/-0.043 χ^2/NDF : 742976.0/13

Left: 197.792+/-0.030 χ^2/NDF : 1519529.3/28

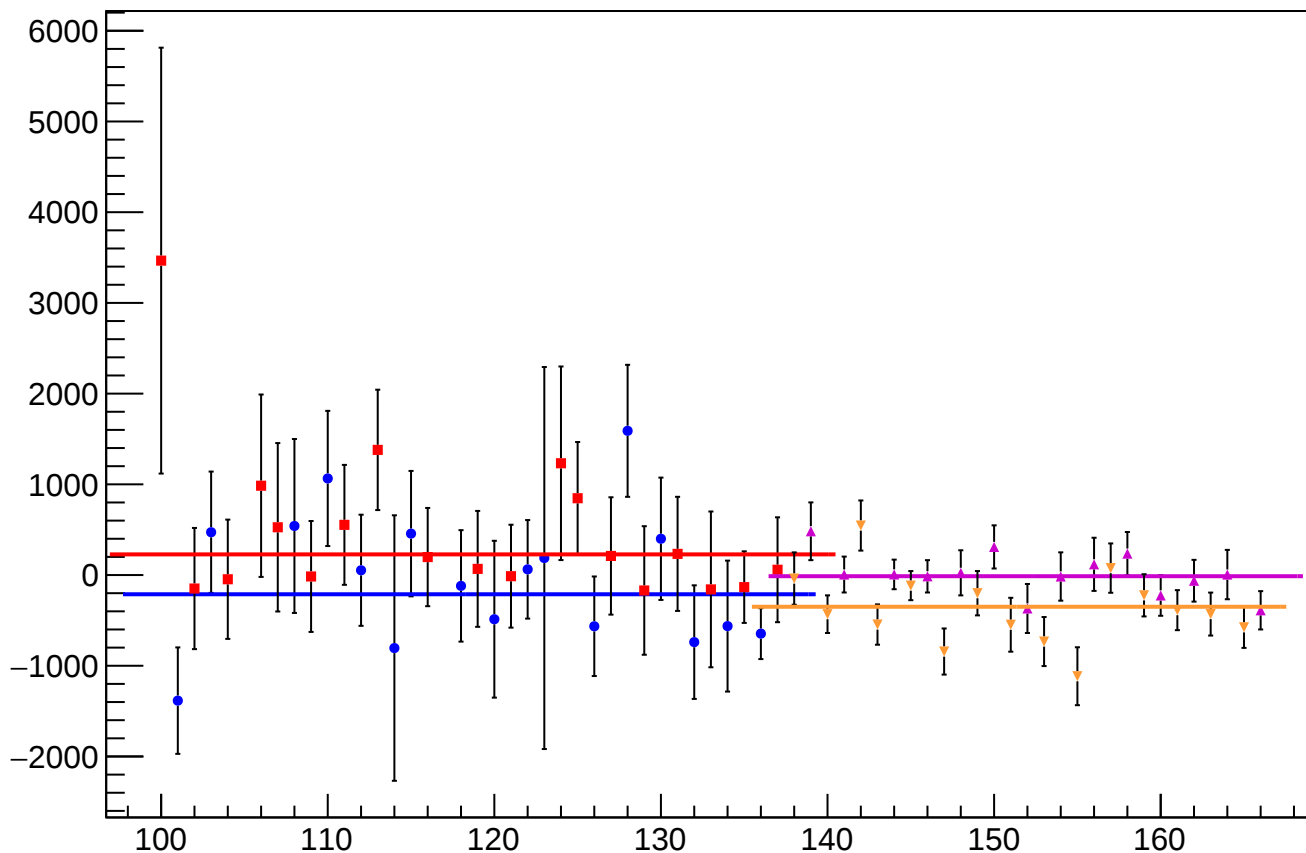
Right: 377.128+/-0.074 χ^2/NDF : 1620053.1/35

In: 220.113+/-0.040 χ^2/NDF : 3878799.9/30

Out: 226.834+/-0.040 χ^2/NDF : 4221553.8/33

All: 223.435+/-0.028 χ^2/NDF : 8114608.3/64

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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: -12.793+/-60.840 χ^2/NDF :11.5/13

Left: -179.345+/-43.255 χ^2/NDF : 57.6/28

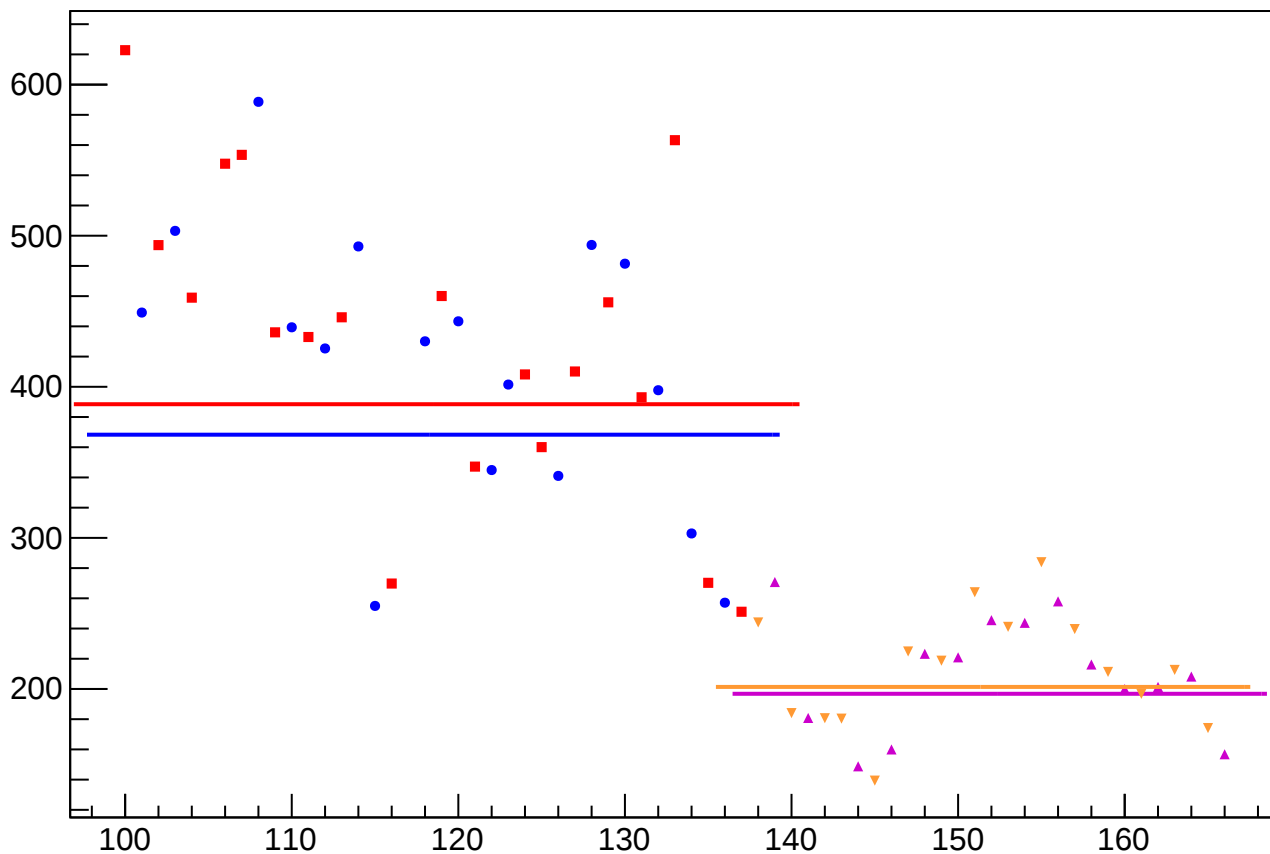
Right: 5.040+/-105.575 χ^2/NDF : 35.4/35

In: -41.465+/-56.288 χ^2/NDF :34.0/30

Out: -266.768+/-56.928 χ^2/NDF :53.6/33

All: -152.843+/-40.026 χ^2/NDF : 95.6/64

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 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: 196.814 $\pm$ 0.043 χ^2 /NDF: 727381.2/13

Left: 199.060 $\pm$ 0.031 χ^2 /NDF: 1489244.7/28

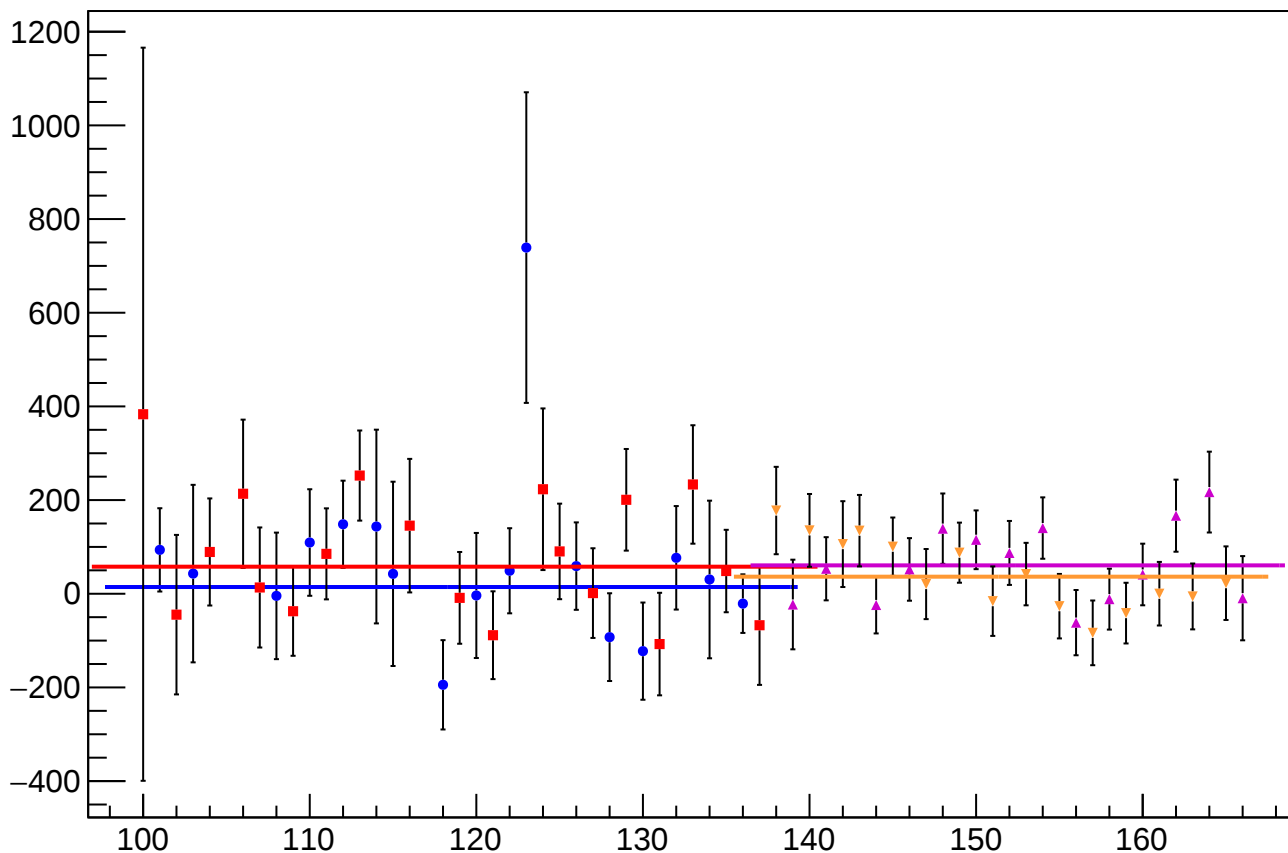
Right: 378.252 $\pm$ 0.075 χ^2 /NDF: 1617584.5/35

In: 221.514 $\pm$ 0.040 χ^2 /NDF: 3840631.1/30

Out: 228.193 $\pm$ 0.040 χ^2 /NDF: 4185726.6/33

All: 224.816 $\pm$ 0.028 χ^2 /NDF: 8040278.8/64

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 36.455 $\pm$ 18.579 χ^2 /NDF:14.4/14

Right Out: 57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

Left In: 60.597 $\pm$ 18.887 χ^2 /NDF:16.4/13

Left: 48.327 $\pm$ 13.245 χ^2 /NDF: 31.6/28

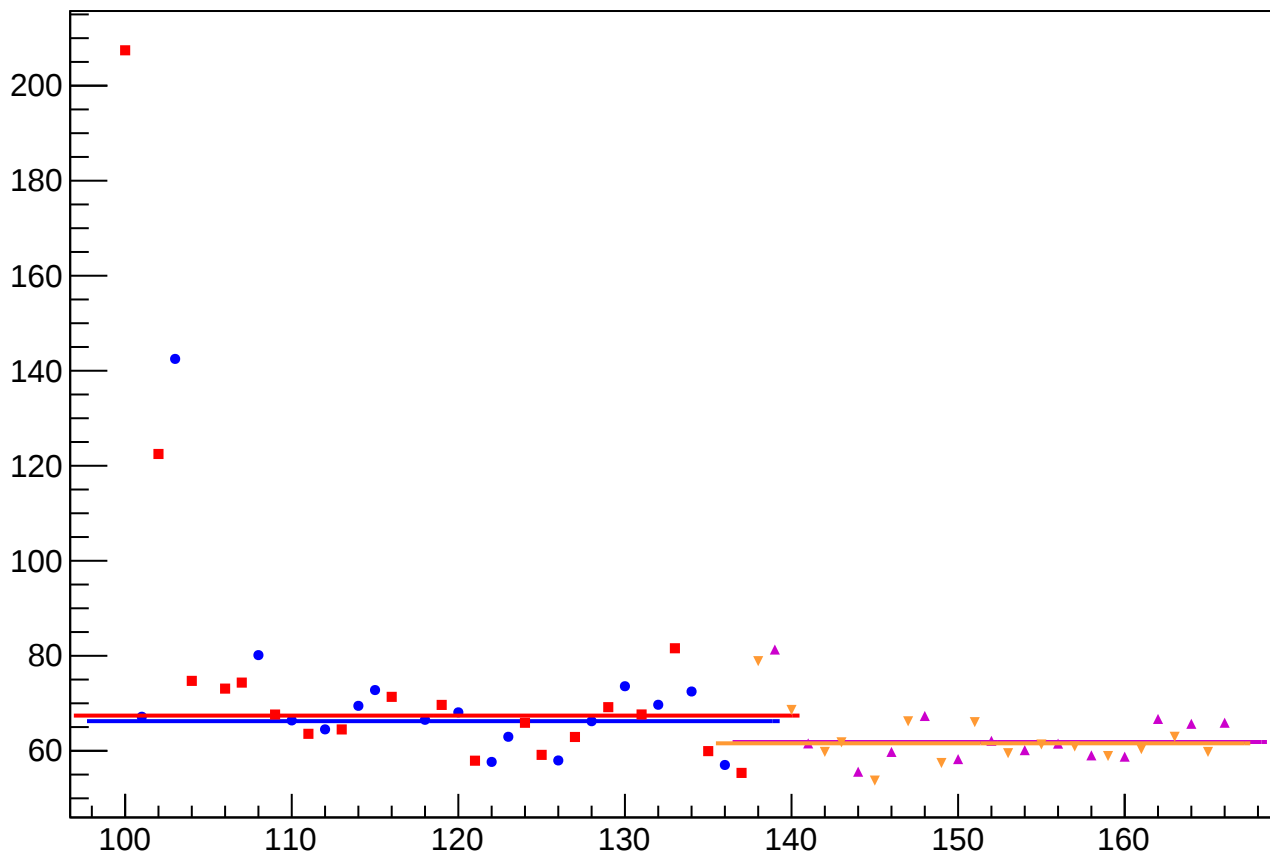
Right: 36.266 $\pm$ 18.545 χ^2 /NDF: 37.5/35

In: 44.900 $\pm$ 15.348 χ^2 /NDF:36.1/30

Out: 43.624 $\pm$ 15.140 χ^2 /NDF:33.2/33

All: 44.253 $\pm$ 10.778 χ^2 /NDF: 69.3/64

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 $\pm$ 0.019 χ^2 /NDF: 440944.2/16

Left Out: 61.579 $\pm$ 0.013 χ^2 /NDF: 148822.4/14

Right Out: 67.415 $\pm$ 0.018 χ^2 /NDF: 393608.5/18

Left In: 61.857 $\pm$ 0.013 χ^2 /NDF: 148697.9/13

Left: 61.716 $\pm$ 0.009 χ^2 /NDF: 297740.7/28

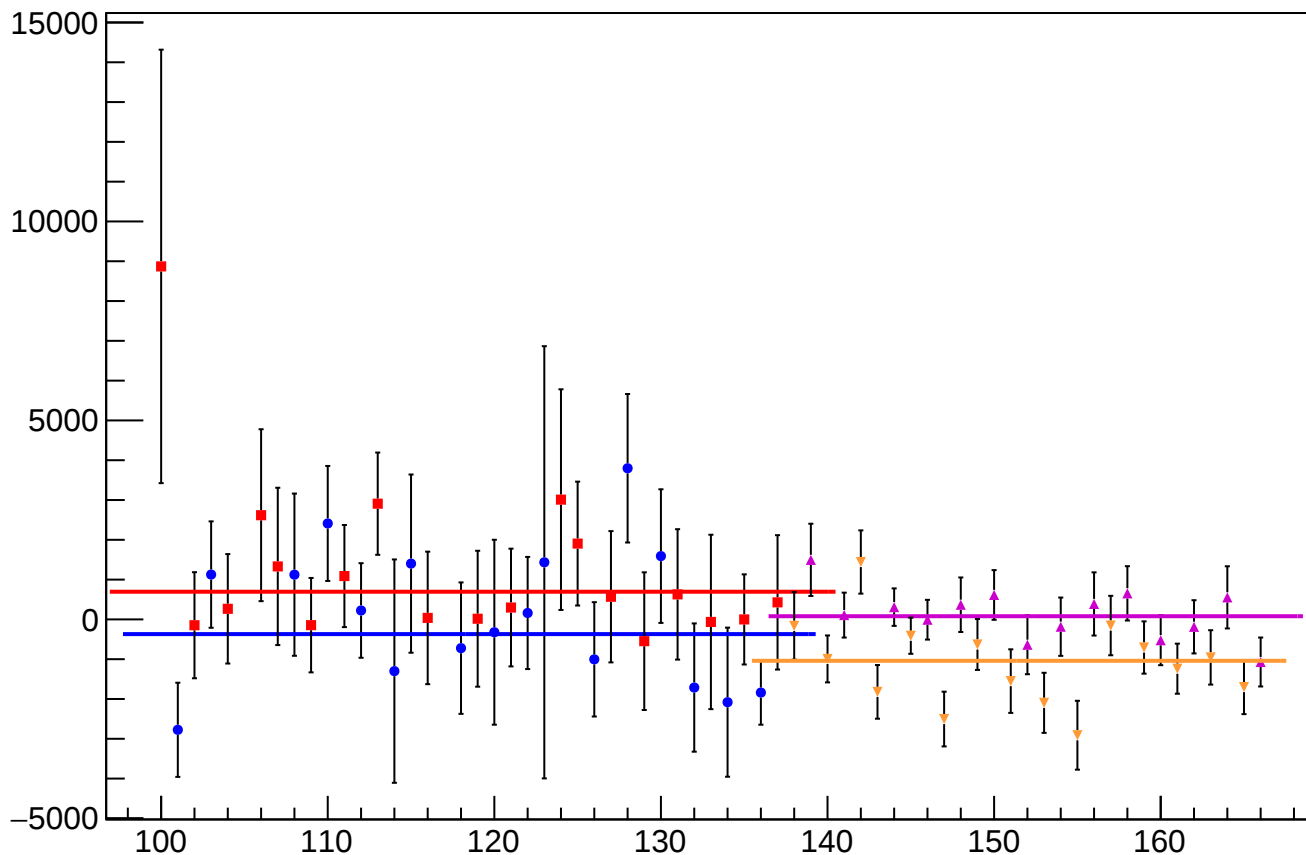
Right: 66.836 $\pm$ 0.013 χ^2 /NDF: 836536.0/35

In: 63.348 $\pm$ 0.011 χ^2 /NDF: 626340.0/30

Out: 63.540 $\pm$ 0.011 χ^2 /NDF: 608723.8/33

All: 63.445 $\pm$ 0.008 χ^2 /NDF: 1235221.3/64

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



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: 79.859 ± 171.388 χ^2/NDF : 10.5/13

Left: -471.964 ± 122.079 χ^2/NDF : 60.3/28

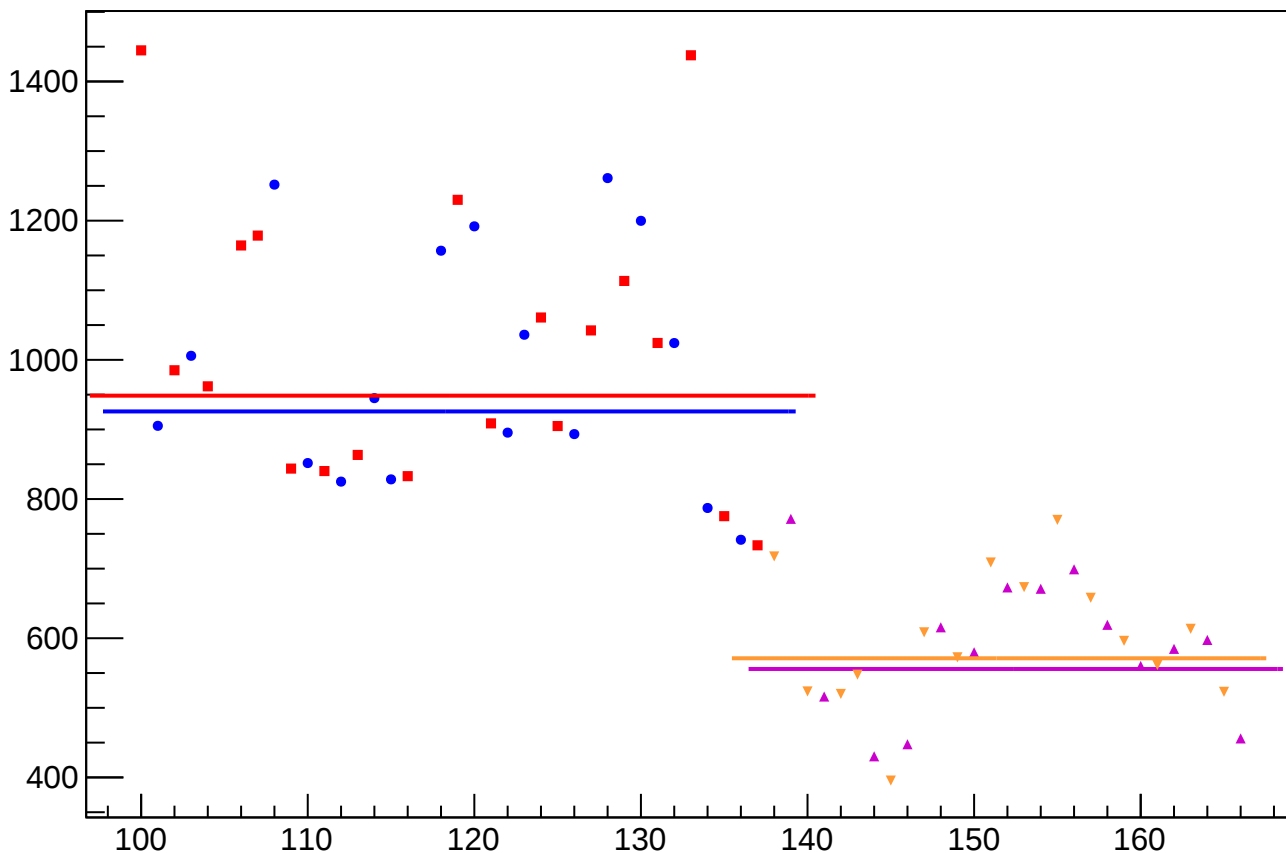
Right: 169.586 ± 257.485 χ^2/NDF : 36.5/35

In: -0.807 ± 155.246 χ^2/NDF : 34.0/30

Out: -714.582 ± 156.766 χ^2/NDF : 57.4/33

All: -354.217 ± 110.309 χ^2/NDF : 101.9/64

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 571.194+/-0.123 χ^2/NDF : 638882.2/14

Right Out: 948.553+/-0.256 χ^2/NDF : 381931.9/18

Left In: 555.817+/-0.121 χ^2/NDF : 620944.2/13

Left: 563.392+/-0.086 χ^2/NDF : 1267757.6/28

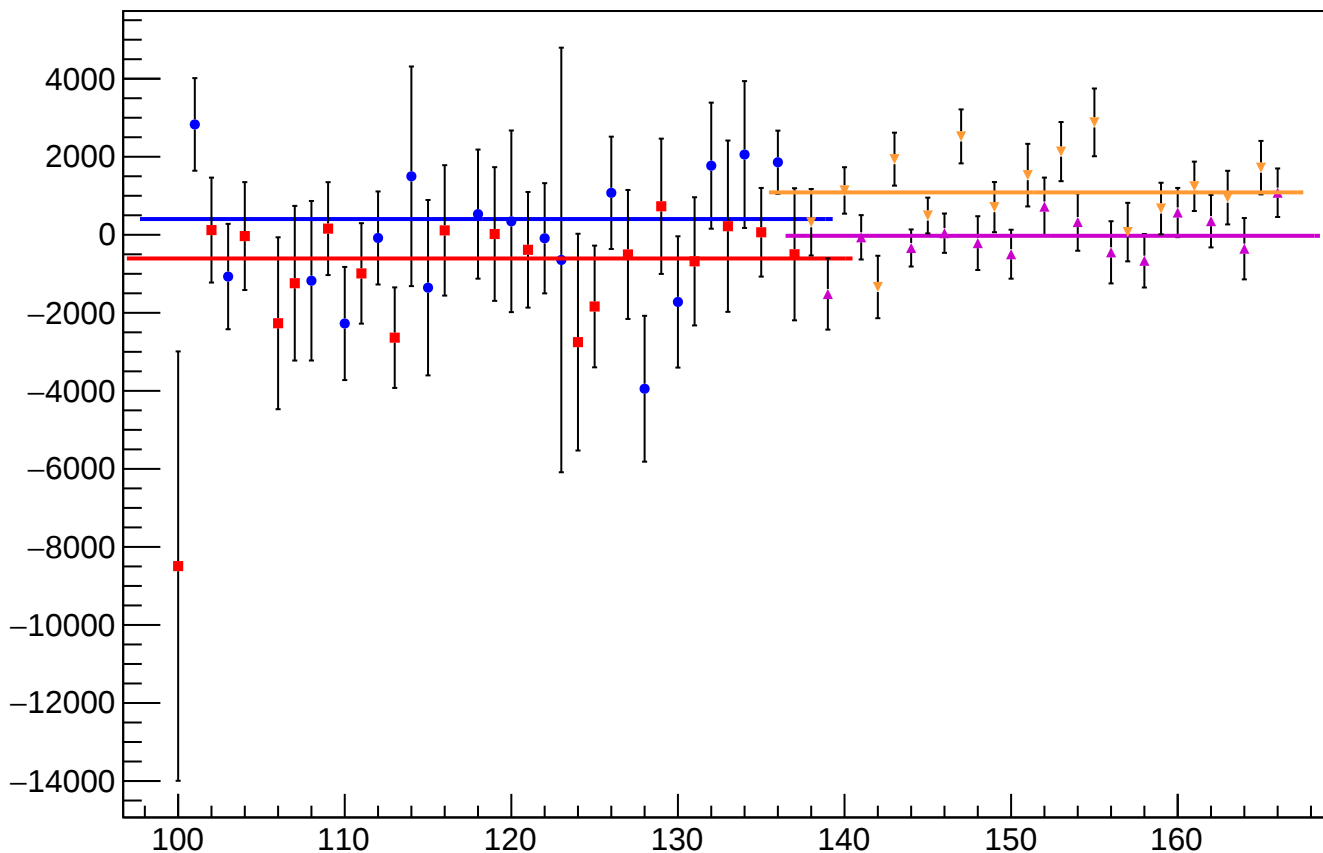
Right: 937.360+/-0.182 χ^2/NDF : 776890.8/35

In: 622.242+/-0.110 χ^2/NDF : 2685763.9/30

Out: 642.007+/-0.111 χ^2/NDF : 2787394.6/33

All: 632.028+/-0.078 χ^2/NDF : 5489209.0/64

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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: -25.946+/-172.570 χ^2/NDF : 10.7/13

Left: 522.426+/-122.890 χ^2/NDF : 58.7/28

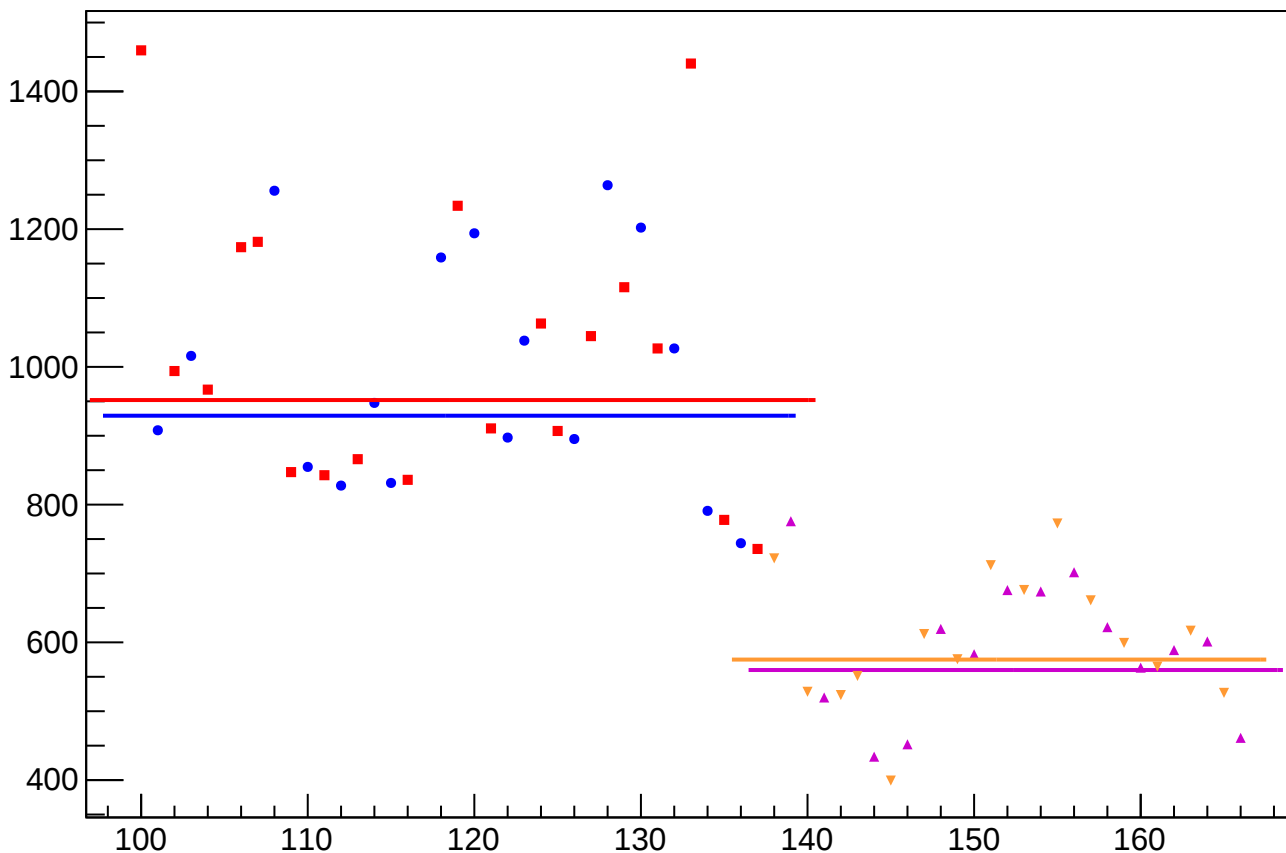
Right: -107.869+/-258.438 χ^2/NDF : 35.1/35

In: 51.593+/-156.219 χ^2/NDF : 34.2/30

Out: 767.525+/-157.696 χ^2/NDF : 54.0/33

All: 406.191+/-110.982 χ^2/NDF : 98.6/64

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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: 559.840 $\pm$ 0.122 χ^2 /NDF: 607402.4/13

Left: 567.313 $\pm$ 0.087 χ^2 /NDF: 1241480.5/28

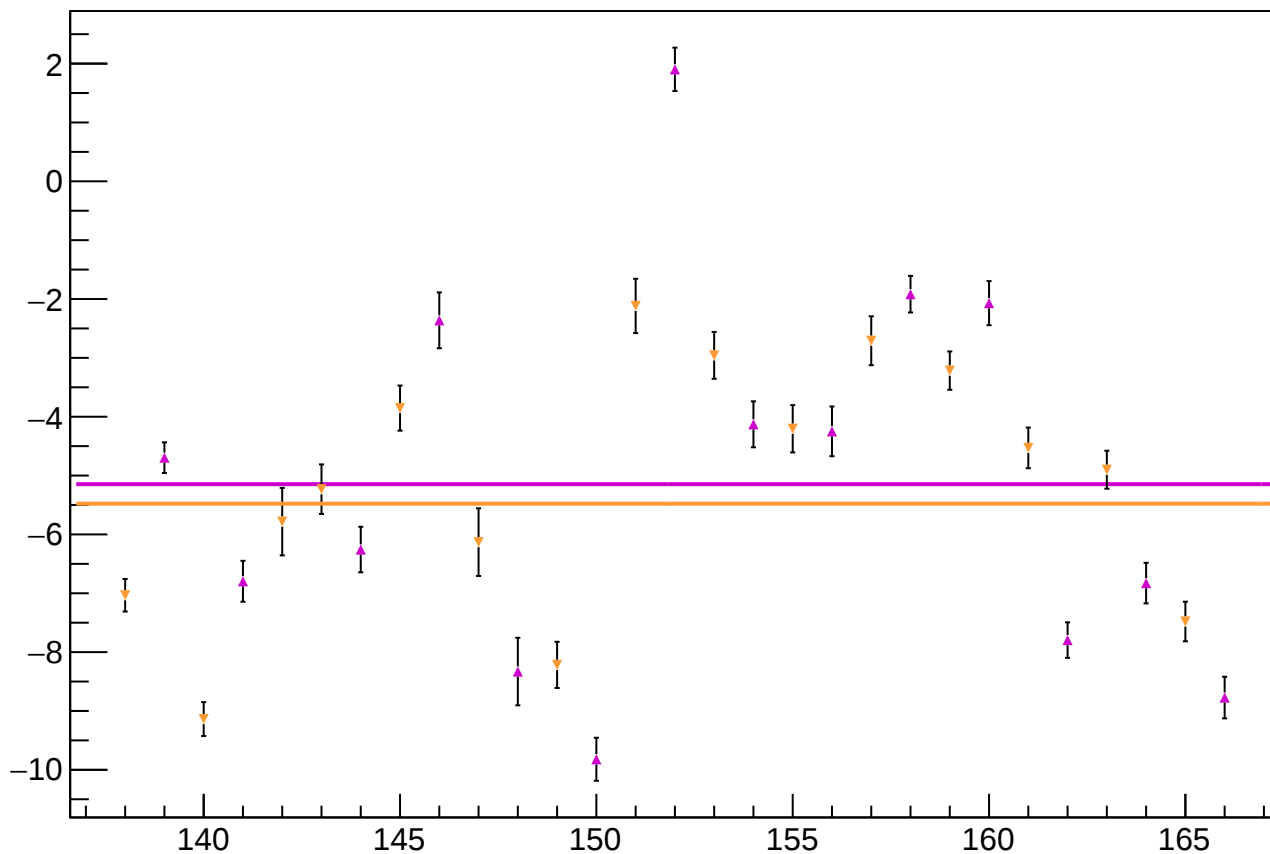
Right: 940.607 $\pm$ 0.183 χ^2 /NDF: 776385.5/35

In: 626.497 $\pm$ 0.110 χ^2 /NDF: 2650693.7/30

Out: 645.994 $\pm$ 0.112 χ^2 /NDF: 2754948.0/33

All: 636.153 $\pm$ 0.078 χ^2 /NDF: 5421071.1/64

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -5.478 ± 0.096 $\chi^2/\text{NDF}: 503.5/14$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -5.146 ± 0.096 $\chi^2/\text{NDF}: 1021.1/13$

Left: -5.312 ± 0.068 $\chi^2/\text{NDF}: 1530.6/28$

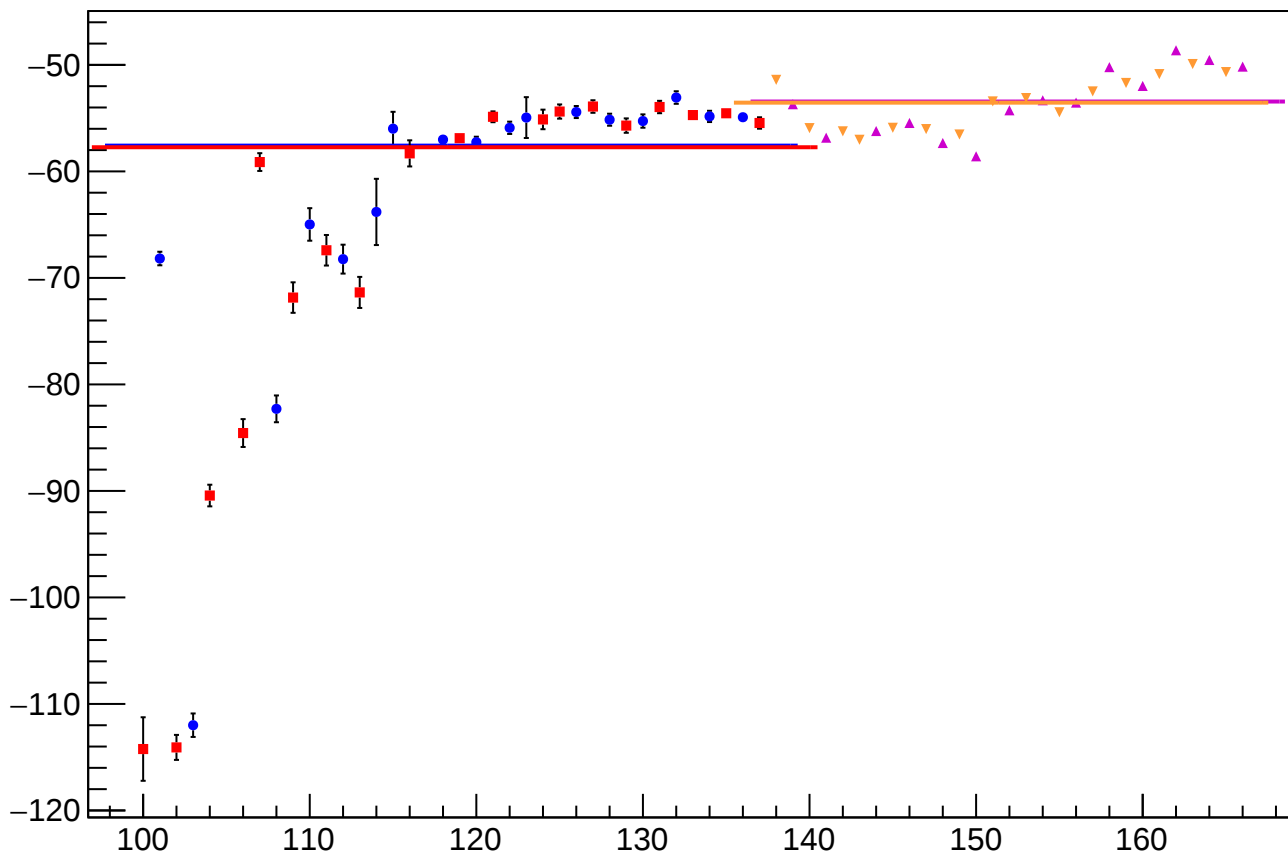
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -5.146 ± 0.096 $\chi^2/\text{NDF}: 1021.1/13$

Out: -5.478 ± 0.096 $\chi^2/\text{NDF}: 503.5/14$

All: -5.312 ± 0.068 $\chi^2/\text{NDF}: 1530.6/28$

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -53.441 ± 0.073 χ^2/NDF : 1880.7/13

Left: -53.495 ± 0.051 χ^2/NDF : 3016.8/28

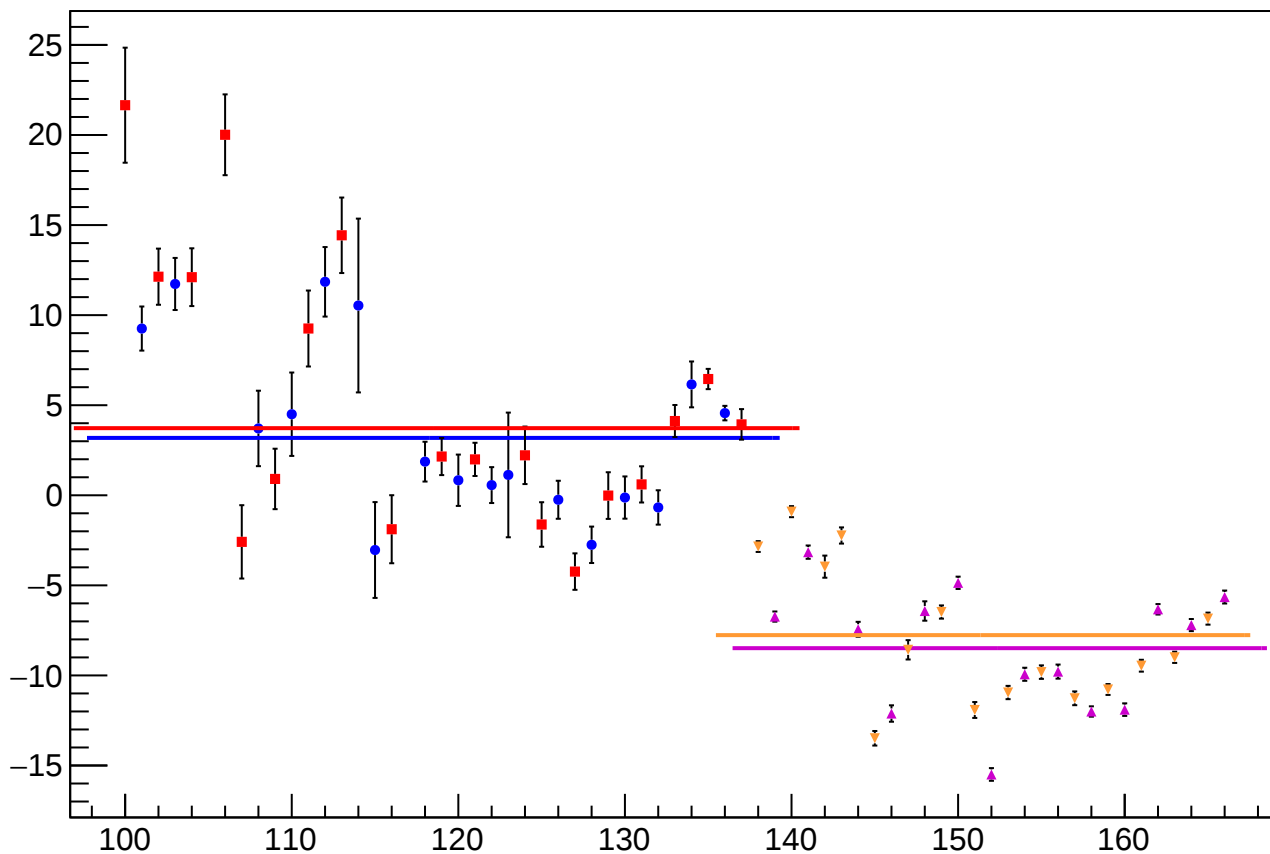
Right: -57.657 ± 0.101 χ^2/NDF : 8154.5/35

In: -54.299 ± 0.065 χ^2/NDF : 6000.2/30

Out: -54.374 ± 0.064 χ^2/NDF : 6521.5/33

All: -54.337 ± 0.046 χ^2/NDF : 12522.3/64

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -7.763 ± 0.094 $\chi^2/\text{NDF}: 1598.6/14$

Right Out: 3.726 ± 0.268 $\chi^2/\text{NDF}: 324.1/18$

Left In: -8.487 ± 0.094 $\chi^2/\text{NDF}: 1243.8/13$

Left: -8.127 ± 0.067 $\chi^2/\text{NDF}: 2872.0/28$

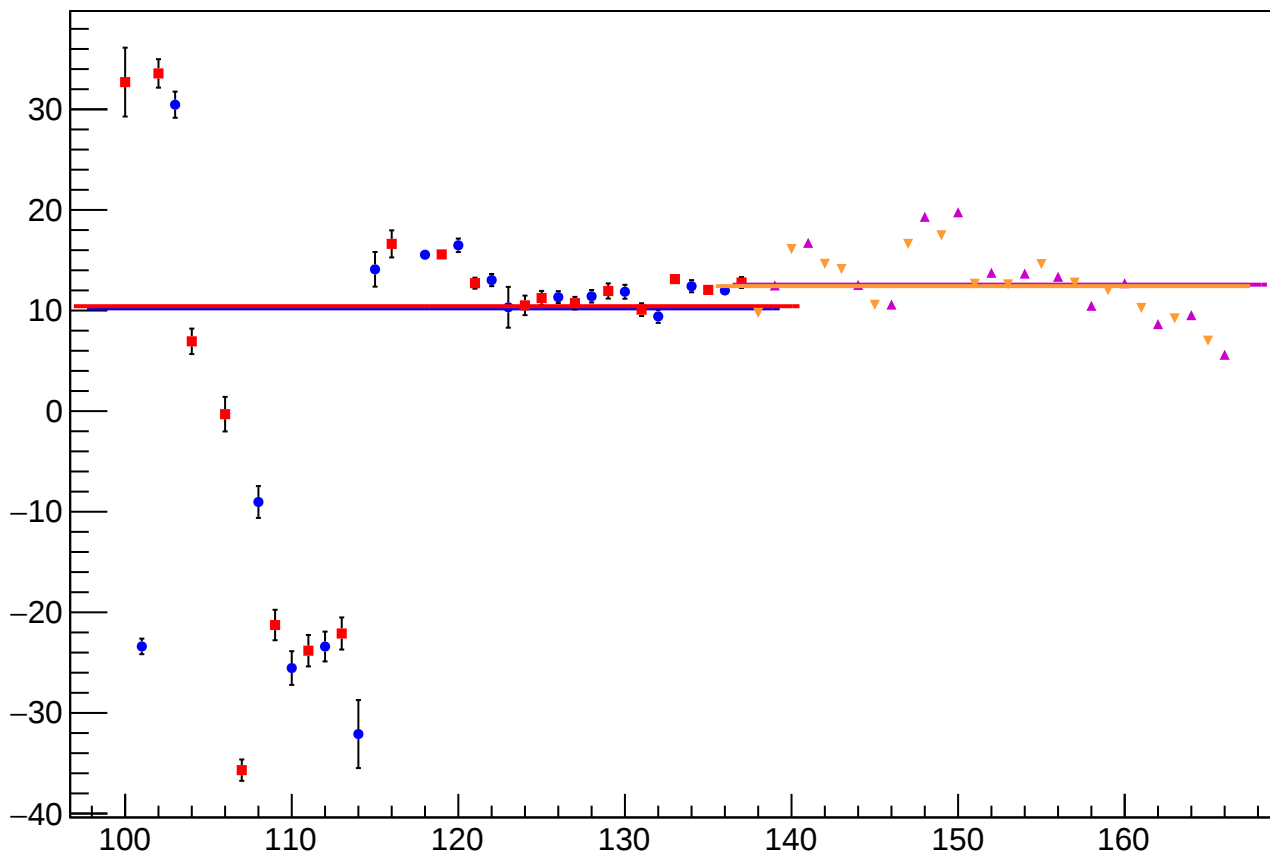
Right: 3.447 ± 0.186 $\chi^2/\text{NDF}: 512.0/35$

In: -7.131 ± 0.088 $\chi^2/\text{NDF}: 3224.8/30$

Out: -6.491 ± 0.089 $\chi^2/\text{NDF}: 3562.6/33$

All: -6.814 ± 0.063 $\chi^2/\text{NDF}: 6813.6/64$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 12.573 $\pm$ 0.082 χ^2 /NDF:2005.1/13

Left: 12.499 $\pm$ 0.058 χ^2 /NDF: 3276.8/28

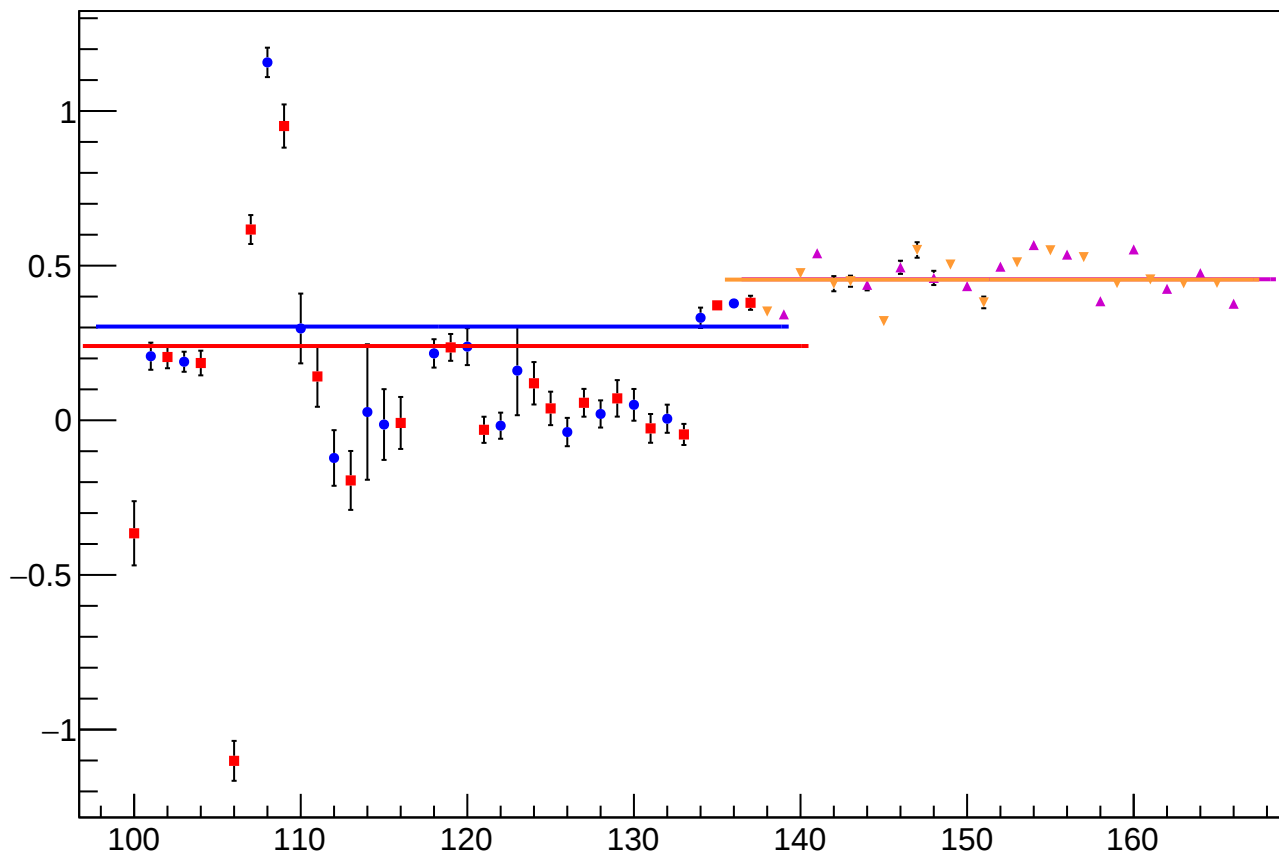
Right: 10.321 $\pm$ 0.112 χ^2 /NDF: 7520.5/35

In: 12.069 $\pm$ 0.073 χ^2 /NDF:5872.6/30

Out: 12.021 $\pm$ 0.072 χ^2 /NDF:5221.1/33

All: 12.045 $\pm$ 0.051 χ^2 /NDF: 11094.0/64

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.455 $\pm$ 0.004 χ^2 /NDF:299.7/14

Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.4/18

Left In: 0.456 $\pm$ 0.004 χ^2 /NDF:431.1/13

Left: 0.455 $\pm$ 0.003 χ^2 /NDF: 730.9/28

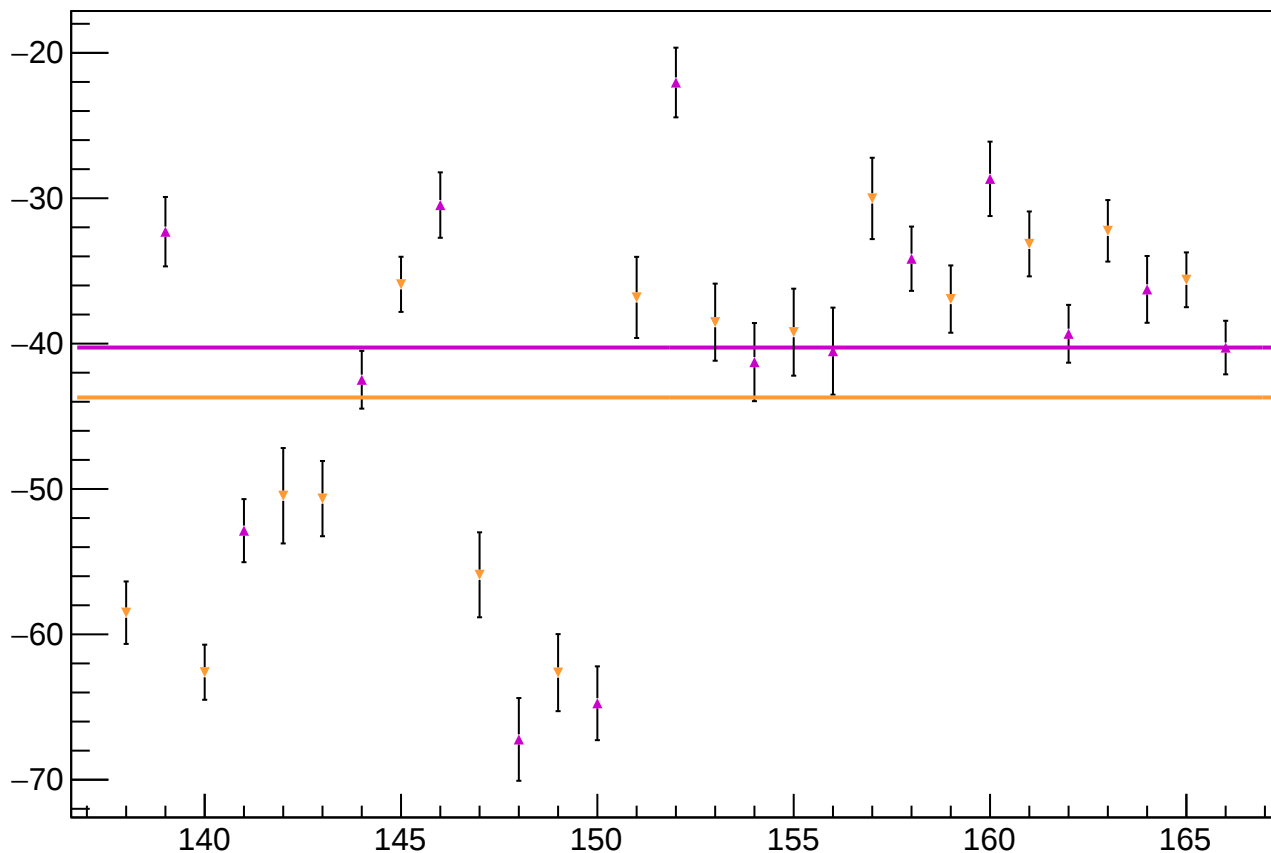
Right: 0.273 $\pm$ 0.006 χ^2 /NDF: 1658.9/35

In: 0.431 $\pm$ 0.003 χ^2 /NDF:1367.5/30

Out: 0.421 $\pm$ 0.003 χ^2 /NDF:1819.8/33

All: 0.426 $\pm$ 0.002 χ^2 /NDF: 3191.4/64

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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 $\pm$ 0.616 χ^2 /NDF:337.1/13

Left: -42.001 $\pm$ 0.434 χ^2 /NDF: 711.2/28

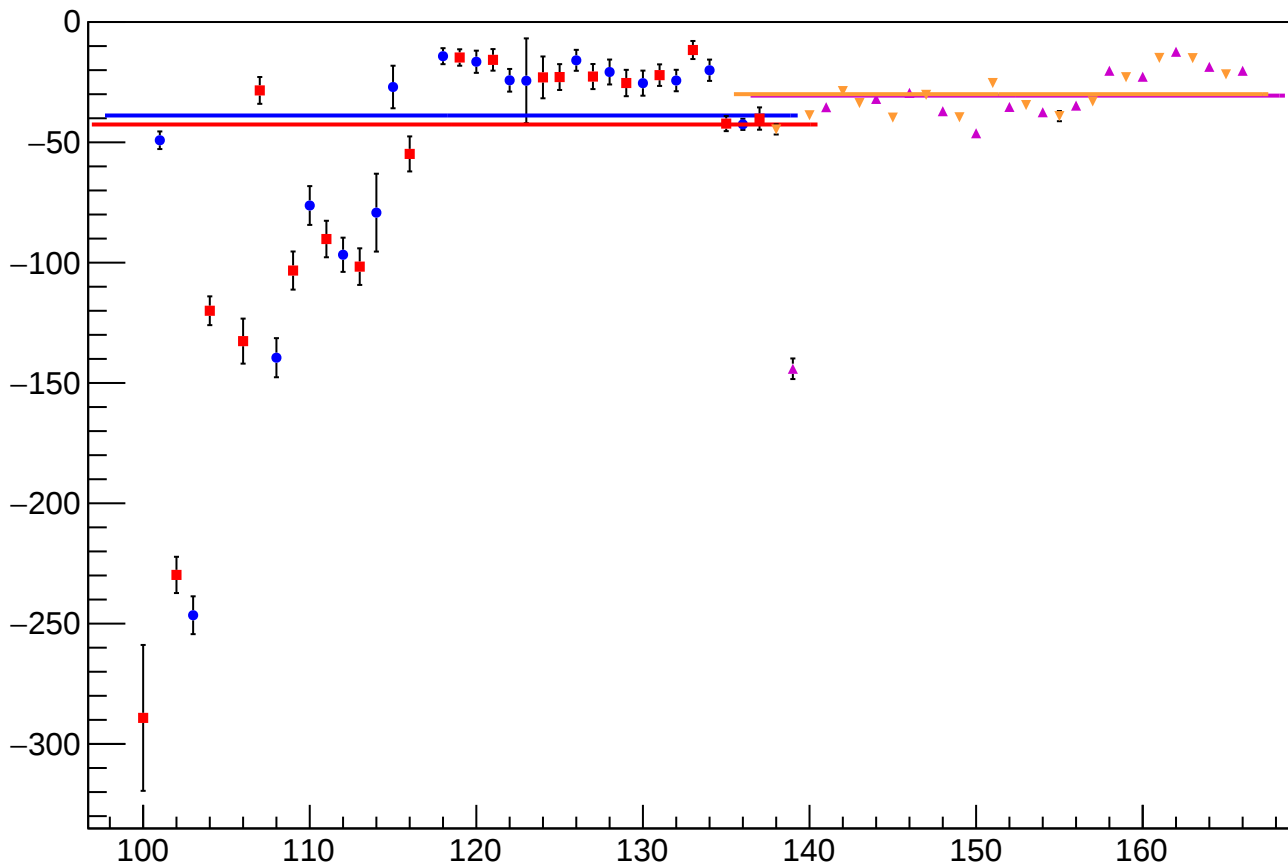
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -40.270 $\pm$ 0.616 χ^2 /NDF:337.1/13

Out: -43.705 $\pm$ 0.611 χ^2 /NDF:358.5/14

All: -42.001 $\pm$ 0.434 χ^2 /NDF: 711.2/28

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -30.587 ± 0.447 χ^2/NDF : 1121.8/13

Left: -30.278 ± 0.313 χ^2/NDF : 1541.4/28

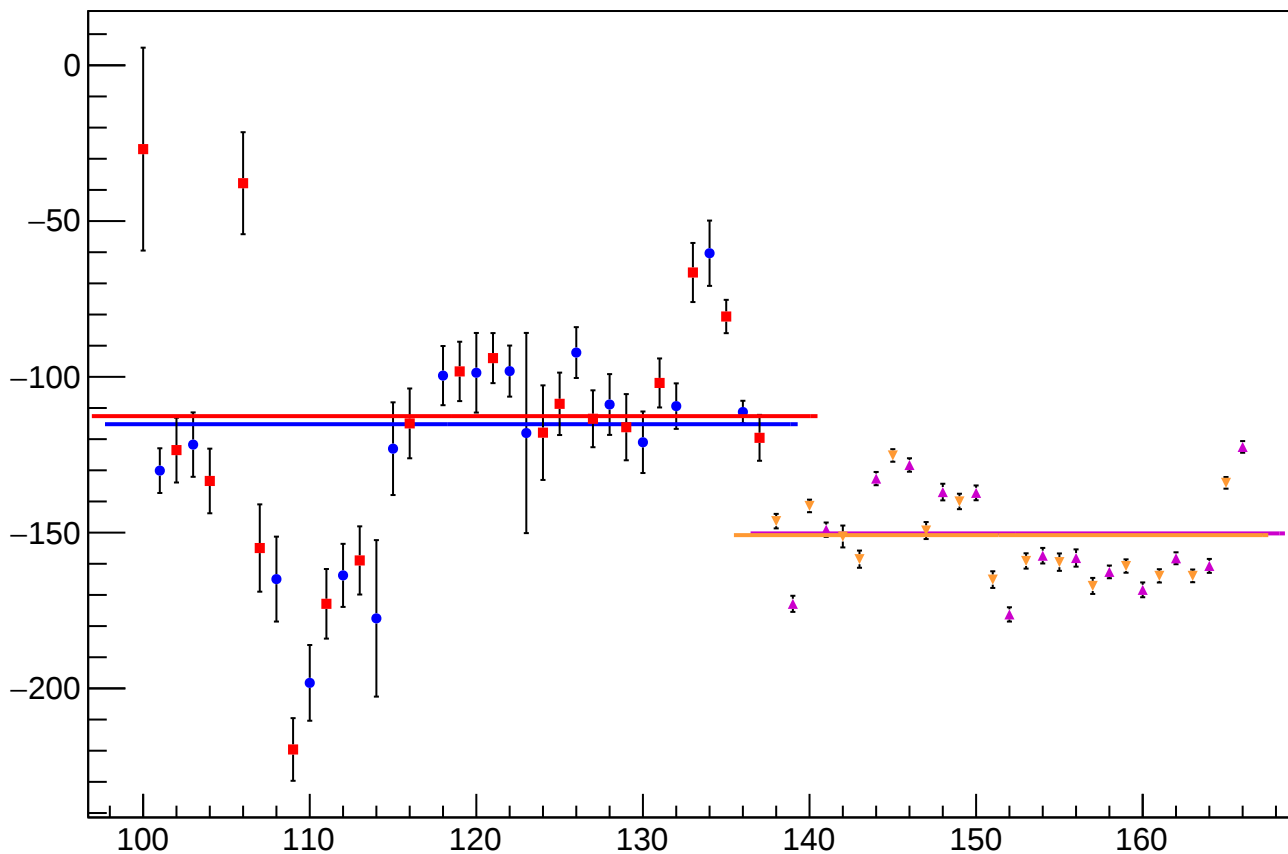
Right: -40.617 ± 0.833 χ^2/NDF : 2472.6/35

In: -31.673 ± 0.416 χ^2/NDF : 2288.6/30

Out: -31.441 ± 0.412 χ^2/NDF : 1860.2/33

All: -31.555 ± 0.293 χ^2/NDF : 4149.0/64

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -150.252 ± 0.604 $\chi^2/\text{NDF}: 801.5/13$

Left: -150.527 ± 0.427 $\chi^2/\text{NDF}: 1284.9/28$

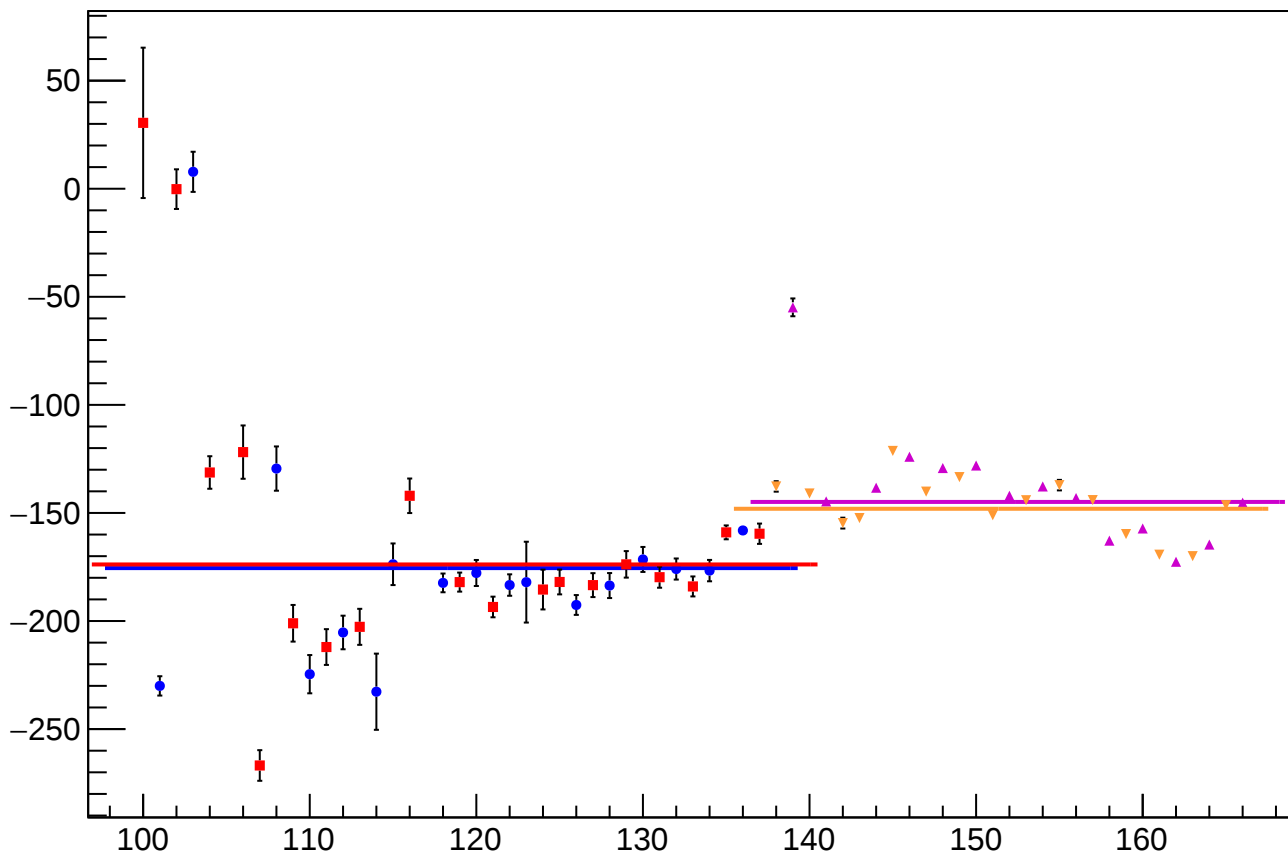
Right: -113.982 ± 1.515 $\chi^2/\text{NDF}: 413.9/35$

In: -147.533 ± 0.580 $\chi^2/\text{NDF}: 1203.9/30$

Out: -148.138 ± 0.584 $\chi^2/\text{NDF}: 1033.3/33$

All: -147.833 ± 0.411 $\chi^2/\text{NDF}: 2237.8/64$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 $\chi^2/\text{NDF}: 692.3/16$

Left Out: -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: -144.904 ± 0.514 $\chi^2/\text{NDF}: 1330.9/13$

Left: -146.510 ± 0.361 $\chi^2/\text{NDF}: 2101.2/28$

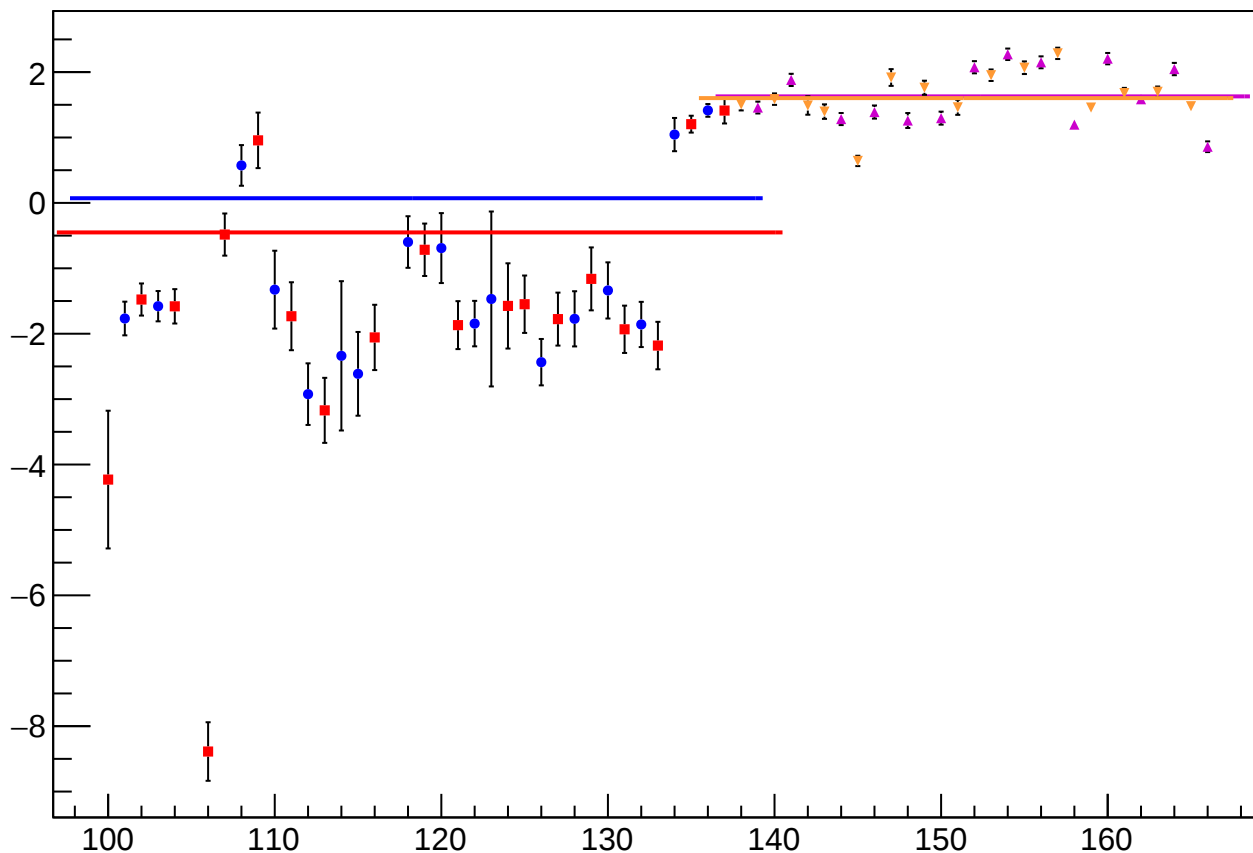
Right: -174.726 ± 0.930 $\chi^2/\text{NDF}: 1431.0/35$

In: -149.172 ± 0.477 $\chi^2/\text{NDF}: 2517.8/30$

Out: -151.220 ± 0.474 $\chi^2/\text{NDF}: 1805.5/33$

All: -150.201 ± 0.336 $\chi^2/\text{NDF}: 4332.6/64$

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



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: 1.629 ± 0.024 χ^2/NDF : 348.6/13

Left: 1.615 ± 0.017 χ^2/NDF : 621.0/28

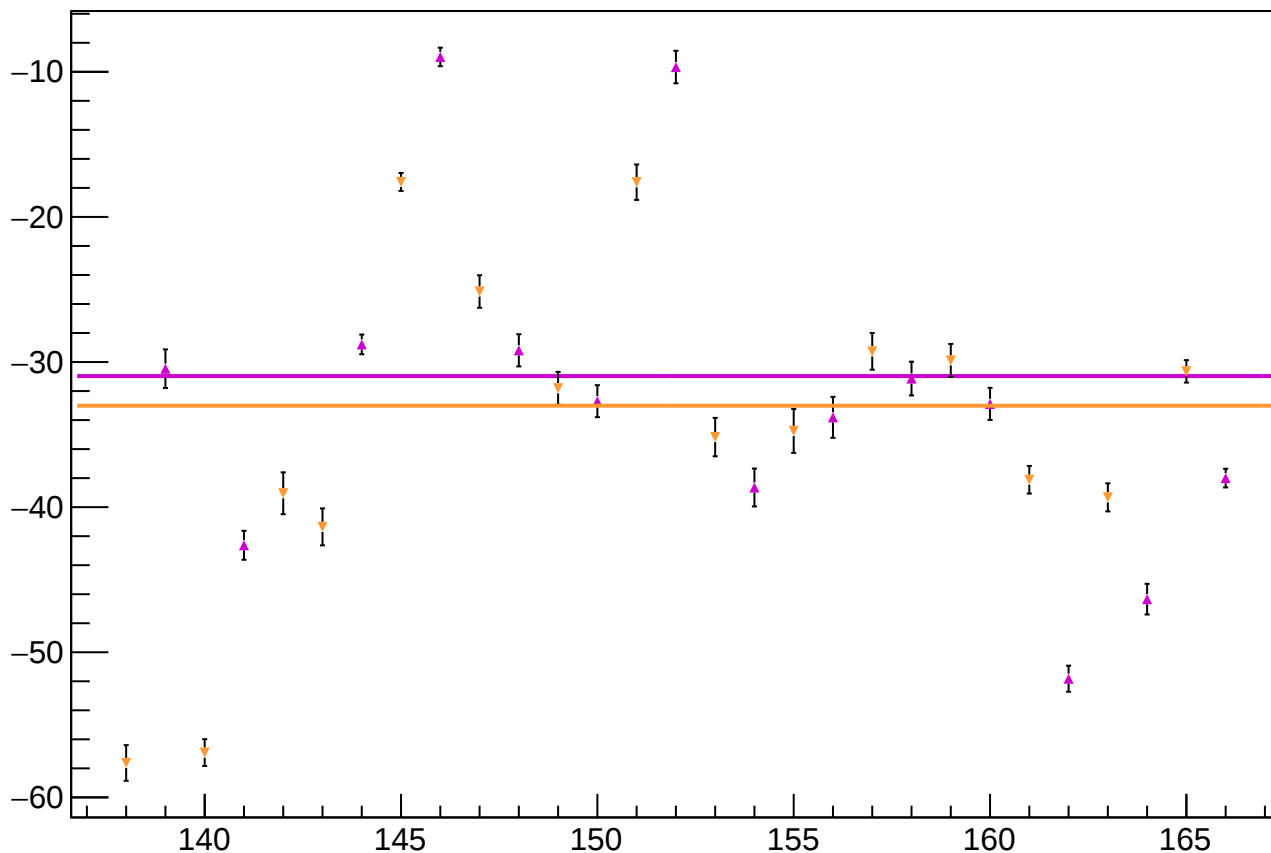
Right: -0.174 ± 0.049 χ^2/NDF : 1305.0/35

In: 1.454 ± 0.023 χ^2/NDF : 1351.2/30

Out: 1.398 ± 0.023 χ^2/NDF : 1769.4/33

All: 1.426 ± 0.016 χ^2/NDF : 3123.6/64

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -33.009 $\pm$ 0.267 χ^2/NDF :2067.6/14

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

Left In: -30.967 $\pm$ 0.251 χ^2/NDF :2611.2/13

Left: -31.928 $\pm$ 0.183 χ^2/NDF : 4709.9/28

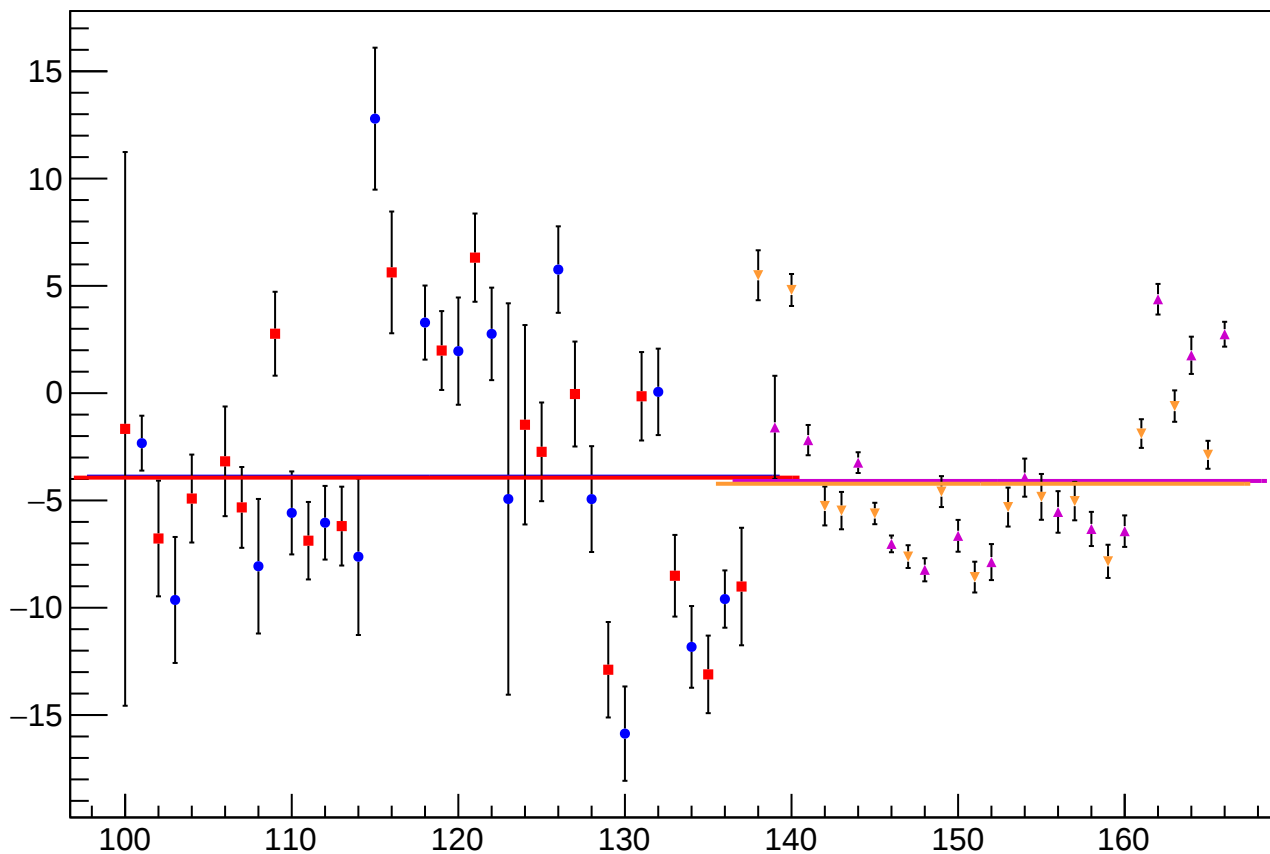
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -30.967 $\pm$ 0.251 χ^2/NDF :2611.2/13

Out: -33.009 $\pm$ 0.267 χ^2/NDF :2067.6/14

All: -31.928 $\pm$ 0.183 χ^2/NDF : 4709.9/28

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -4.222 ± 0.189 χ^2/NDF : 370.9/14

Right Out: -3.937 ± 0.507 χ^2/NDF : 122.2/18

Left In: -4.092 ± 0.178 χ^2/NDF : 505.1/13

Left: -4.153 ± 0.129 χ^2/NDF : 876.2/28

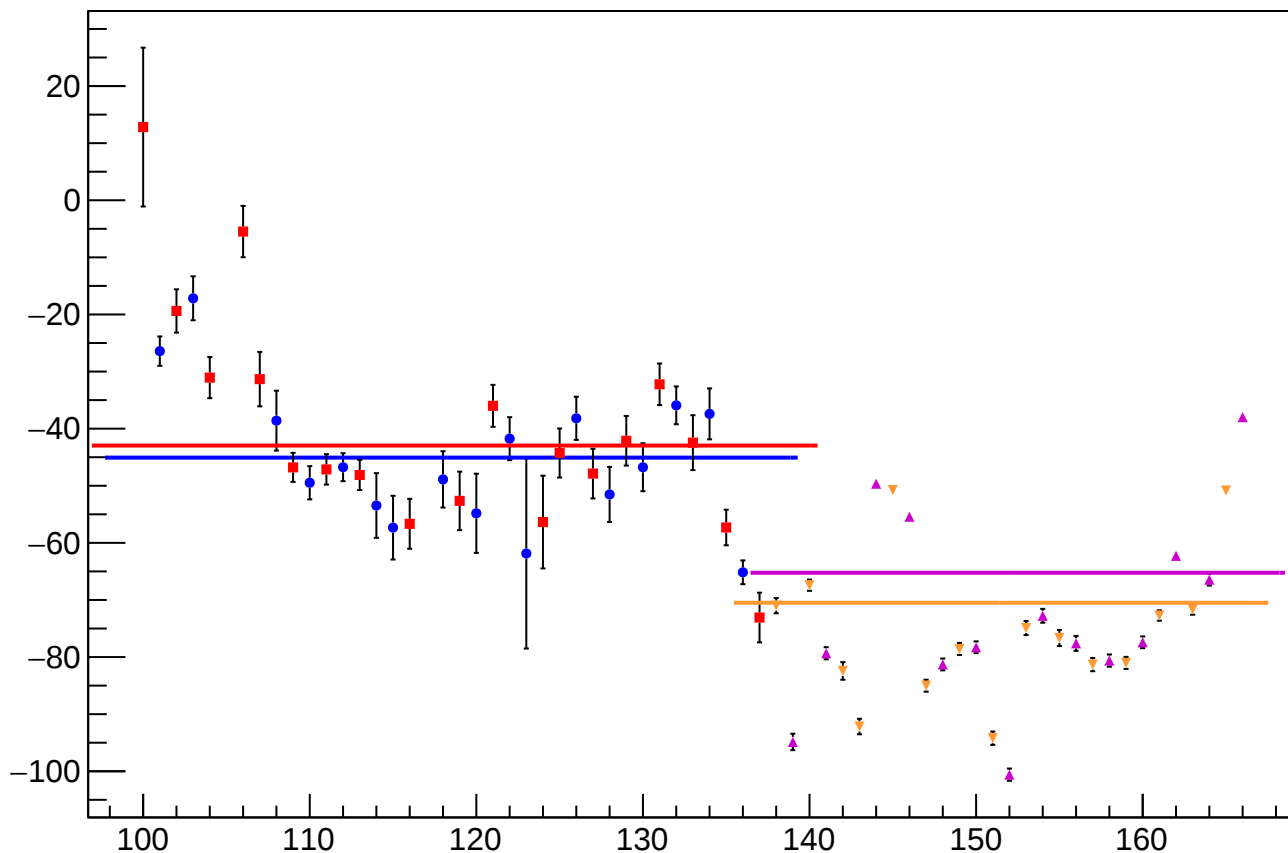
Right: -3.913 ± 0.355 χ^2/NDF : 282.6/35

In: -4.069 ± 0.167 χ^2/NDF : 665.7/30

Out: -4.187 ± 0.177 χ^2/NDF : 493.3/33

All: -4.125 ± 0.122 χ^2/NDF : 1159.3/64

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 $\chi^2/\text{NDF}: 229.7/16$

Left Out: -70.488 ± 0.265 $\chi^2/\text{NDF}: 2776.3/14$

Right Out: -42.959 ± 0.878 $\chi^2/\text{NDF}: 248.3/18$

Left In: -65.236 ± 0.247 $\chi^2/\text{NDF}: 5017.7/13$

Left: -67.686 ± 0.181 $\chi^2/\text{NDF}: 8004.2/28$

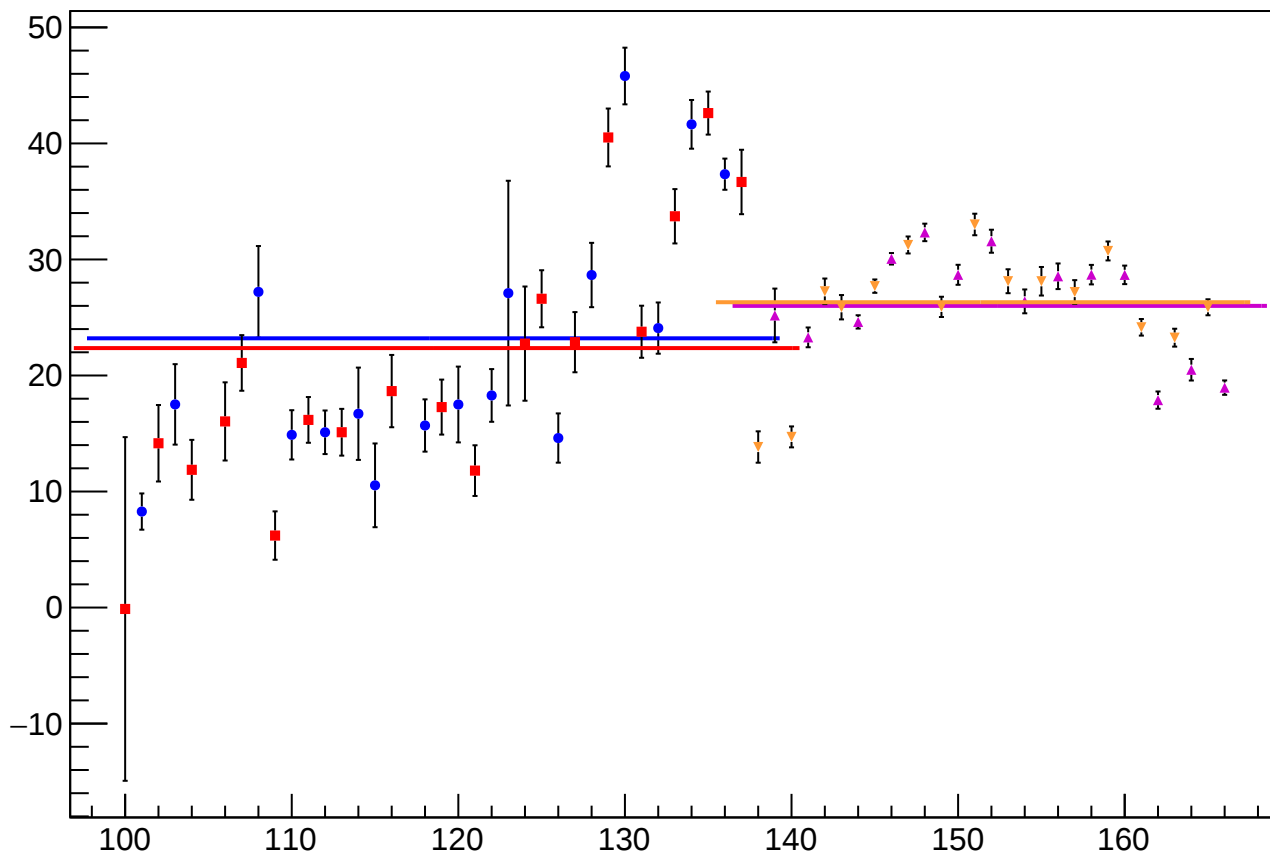
Right: -44.008 ± 0.623 $\chi^2/\text{NDF}: 480.9/35$

In: -63.768 ± 0.238 $\chi^2/\text{NDF}: 5730.6/30$

Out: -68.196 ± 0.253 $\chi^2/\text{NDF}: 3926.1/33$

All: -65.847 ± 0.174 $\chi^2/\text{NDF}: 9818.8/64$

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 25.999 $\pm$ 0.208 χ^2 /NDF:505.2/13

Left: 26.148 $\pm$ 0.151 χ^2 /NDF: 921.7/28

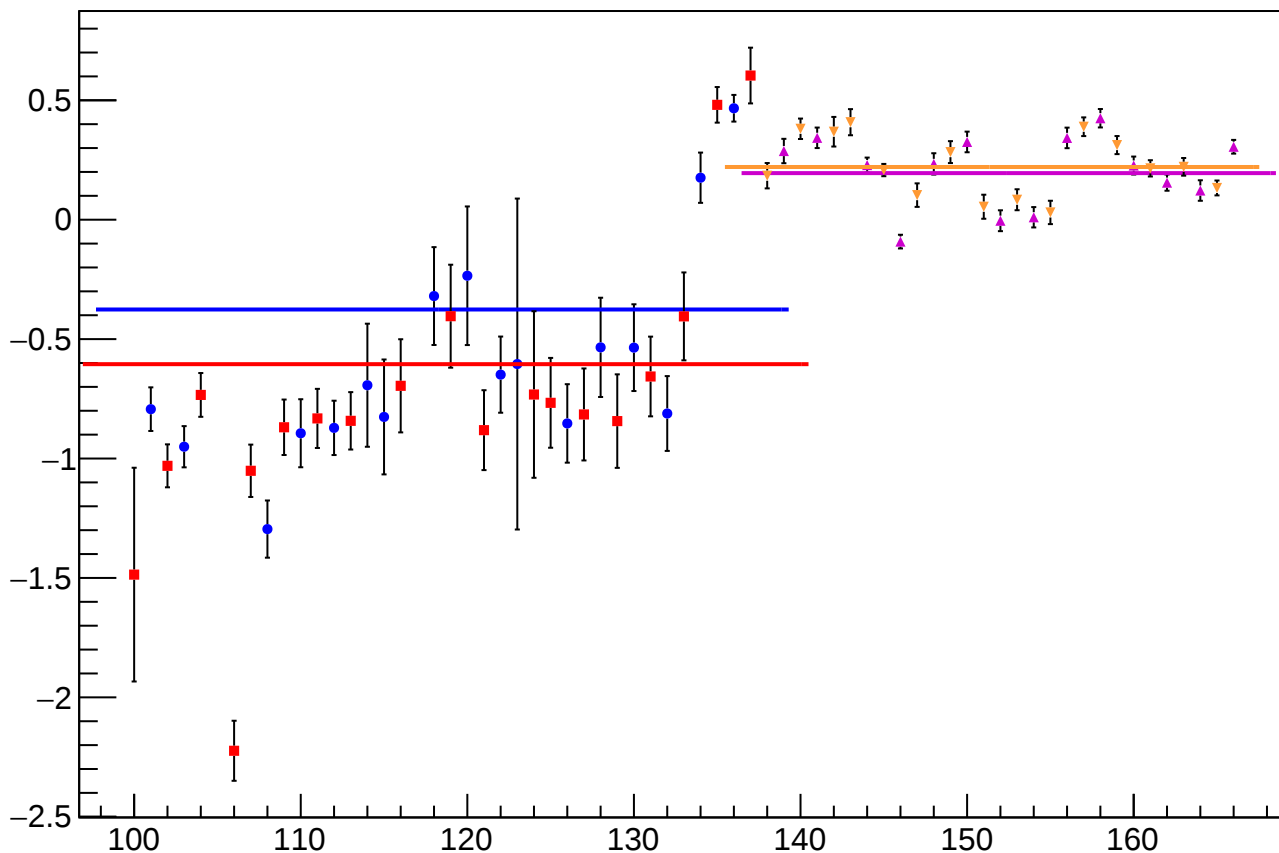
Right: 22.793 $\pm$ 0.400 χ^2 /NDF: 825.2/35

In: 25.659 $\pm$ 0.195 χ^2 /NDF:984.4/30

Out: 25.806 $\pm$ 0.205 χ^2 /NDF:823.9/33

All: 25.729 $\pm$ 0.141 χ^2 /NDF: 1808.6/64

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.221 ± 0.010 $\chi^2/\text{NDF}: 107.9/14$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

Left In: 0.195 ± 0.010 $\chi^2/\text{NDF}: 232.8/13$

Left: 0.207 ± 0.007 $\chi^2/\text{NDF}: 343.9/28$

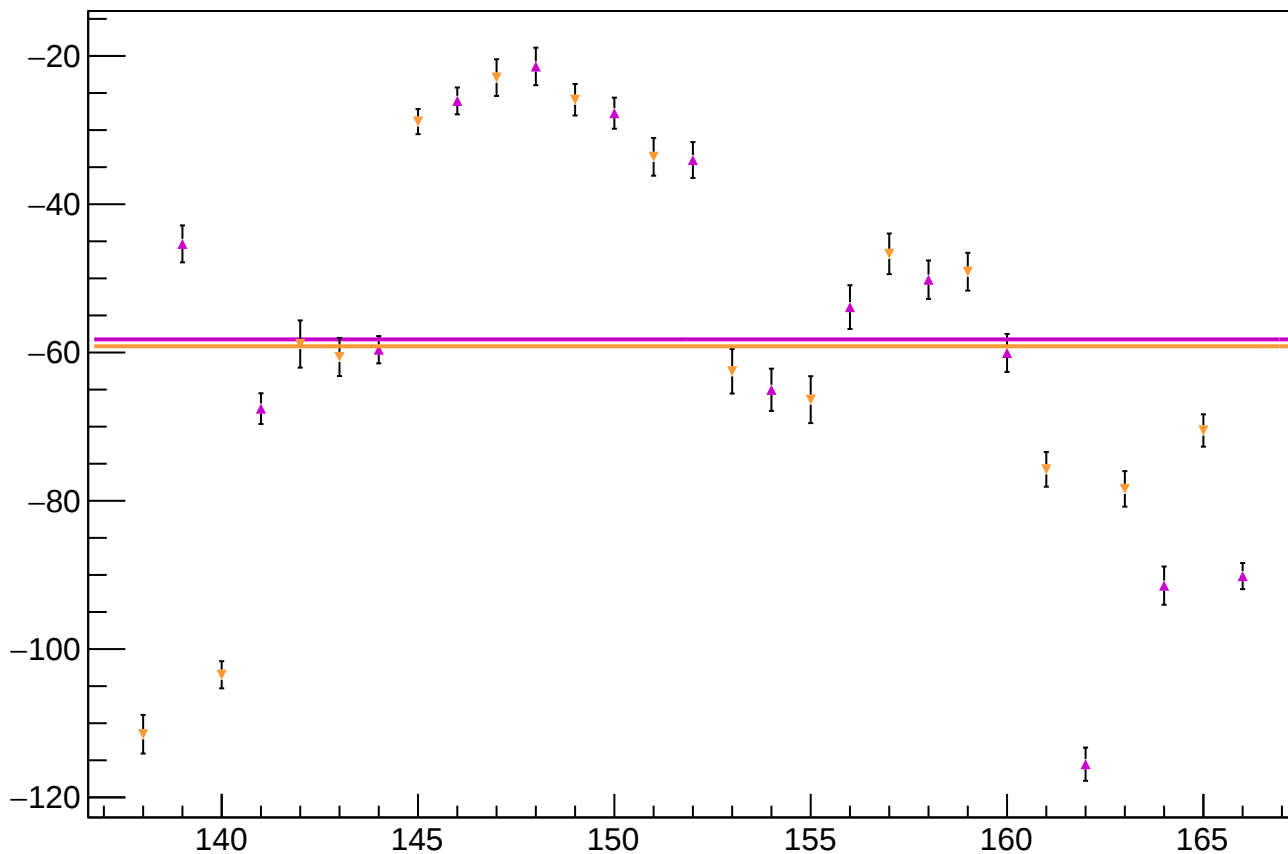
Right: -0.490 ± 0.021 $\chi^2/\text{NDF}: 1017.2/35$

In: 0.137 ± 0.010 $\chi^2/\text{NDF}: 993.2/30$

Out: 0.133 ± 0.010 $\chi^2/\text{NDF}: 1325.9/33$

All: 0.135 ± 0.007 $\chi^2/\text{NDF}: 2319.2/64$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



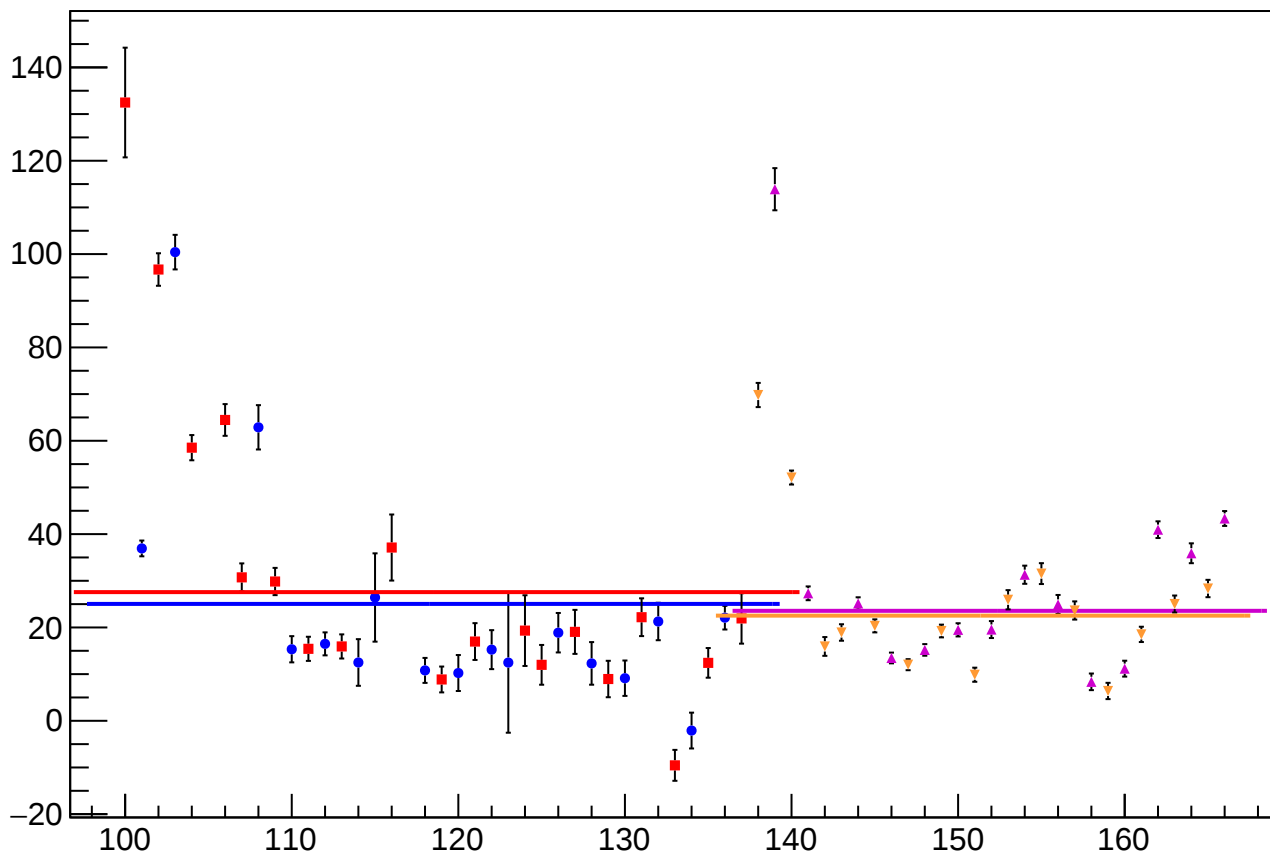
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -59.158+/-0.614 χ^2/NDF :2052.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -58.227+/-0.602 χ^2/NDF :2053.9/13

Left: -58.683+/-0.430 χ^2/NDF : 4107.7/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -58.227+/-0.602 χ^2/NDF :2053.9/13
 Out: -59.158+/-0.614 χ^2/NDF :2052.6/14

All: -58.683+/-0.430 χ^2/NDF : 4107.7/28

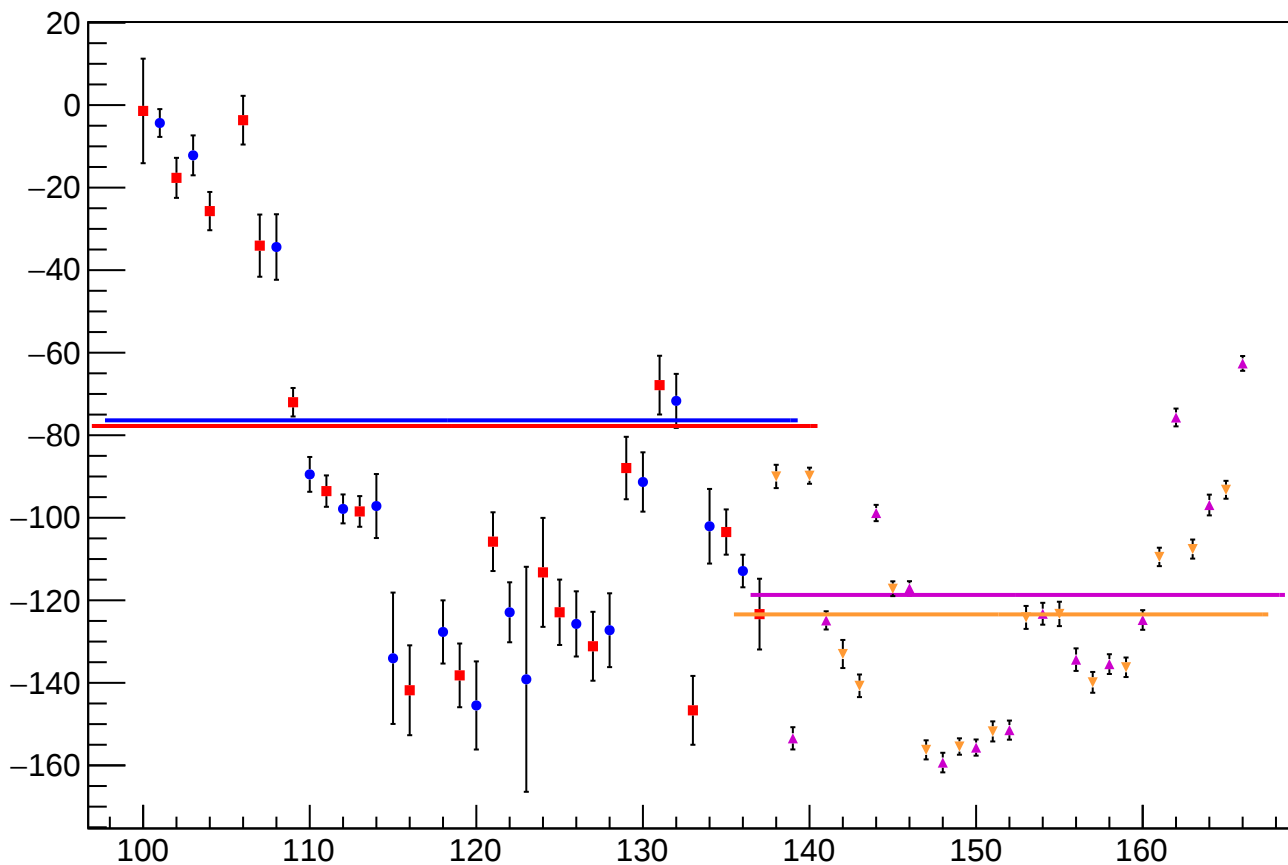
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16
 Left Out: 22.534 ± 0.432 χ^2/NDF : 1016.6/14
 Right Out: 27.573 ± 0.810 χ^2/NDF : 1012.8/18
 Left In: 23.565 ± 0.431 χ^2/NDF : 967.8/13

Left: 23.051 ± 0.305 χ^2/NDF : 1987.2/28
 Right: 26.303 ± 0.571 χ^2/NDF : 1704.1/35
 In: 23.894 ± 0.380 χ^2/NDF : 1656.8/30
 Out: 23.651 ± 0.381 χ^2/NDF : 2059.5/33
 All: 23.773 ± 0.269 χ^2/NDF : 3716.5/64

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -123.414 ± 0.608 $\chi^2/\text{NDF}: 1445.6/14$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

Left In: -118.696 ± 0.591 $\chi^2/\text{NDF}: 2667.5/13$

Left: -120.988 ± 0.423 $\chi^2/\text{NDF}: 4144.1/28$

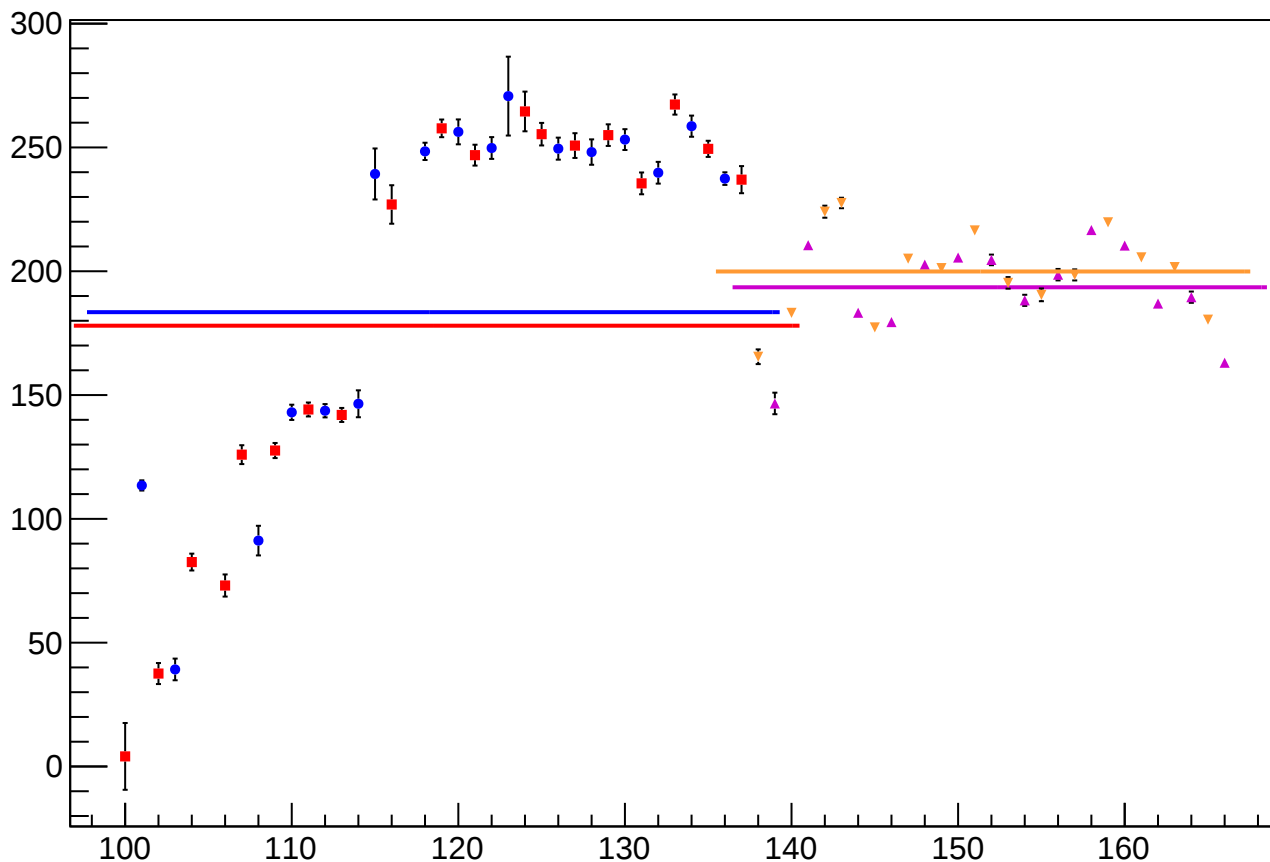
Right: -77.108 ± 0.978 $\chi^2/\text{NDF}: 1905.1/35$

In: -112.429 ± 0.545 $\chi^2/\text{NDF}: 4459.6/30$

Out: -115.752 ± 0.554 $\chi^2/\text{NDF}: 3266.0/33$

All: -114.063 ± 0.389 $\chi^2/\text{NDF}: 7743.8/64$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 193.527 $\pm$ 0.501 χ^2 /NDF:1034.8/13

Left: 196.685 $\pm$ 0.356 χ^2 /NDF: 2128.9/28

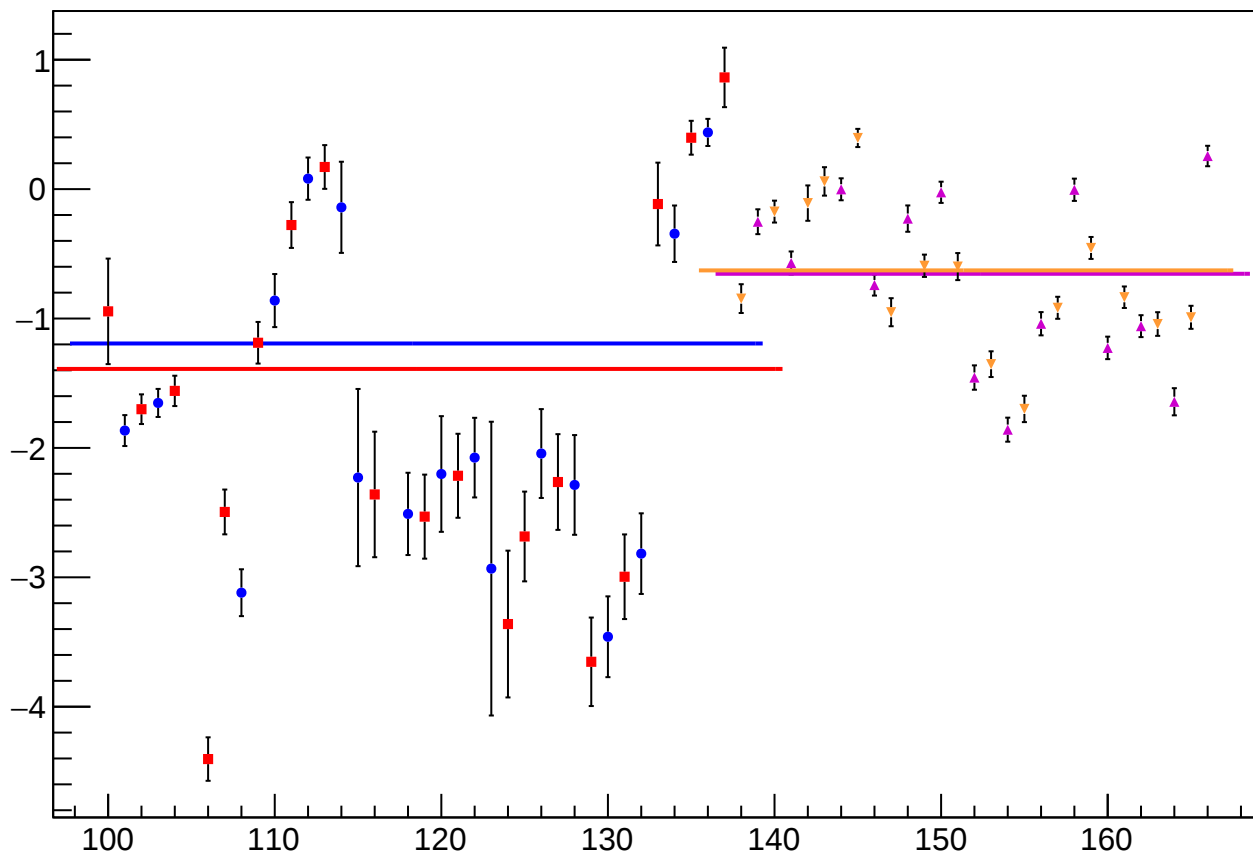
Right: 180.761 $\pm$ 0.651 χ^2 /NDF: 11694.8/35

In: 191.220 $\pm$ 0.440 χ^2 /NDF:6458.4/30

Out: 194.849 $\pm$ 0.444 χ^2 /NDF:7791.5/33

All: 193.019 $\pm$ 0.313 χ^2 /NDF: 14283.7/64

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.628 ± 0.024 χ^2/NDF : 529.7/14

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

Left In: -0.654 ± 0.024 χ^2/NDF : 759.1/13

Left: -0.641 ± 0.017 χ^2/NDF : 1289.3/28

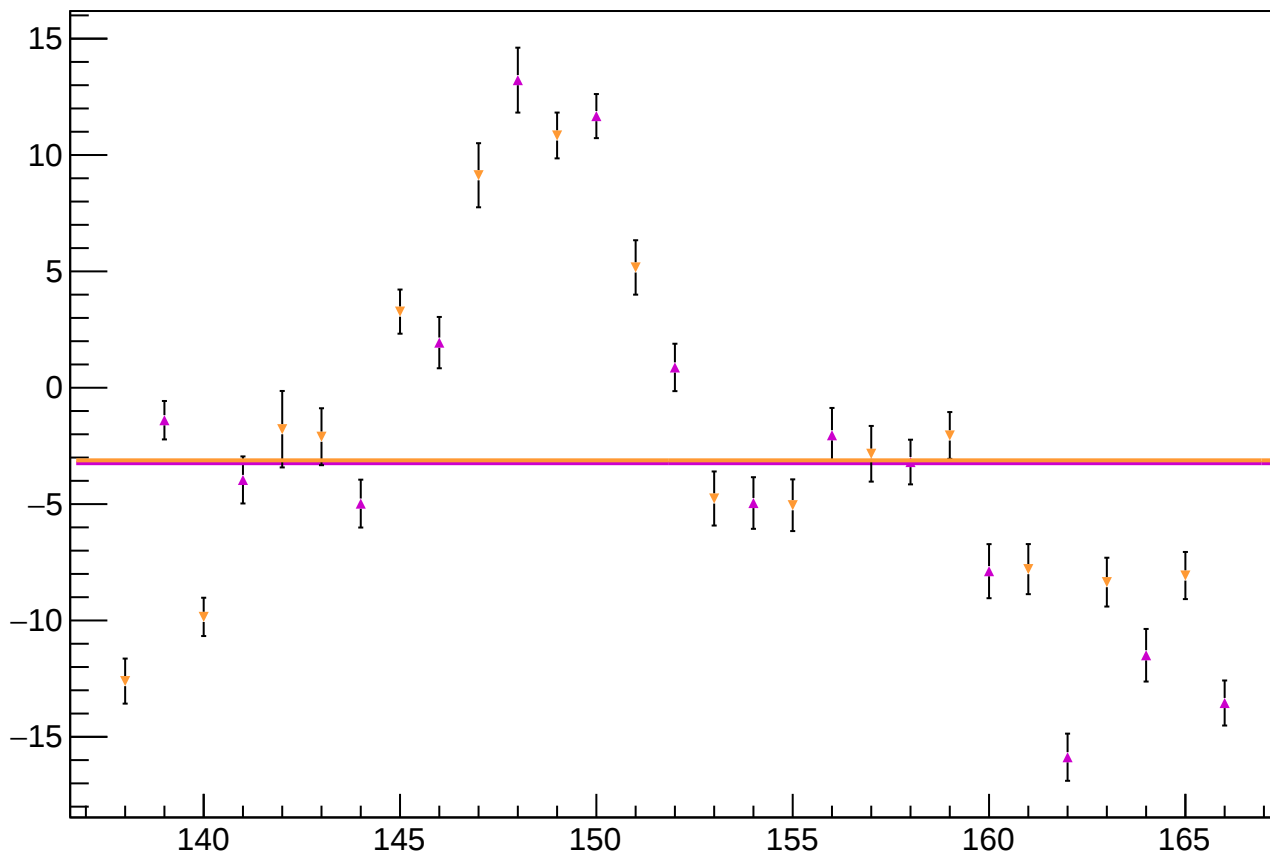
Right: -1.296 ± 0.033 χ^2/NDF : 1551.0/35

In: -0.759 ± 0.021 χ^2/NDF : 1481.4/30

Out: -0.792 ± 0.021 χ^2/NDF : 1666.8/33

All: -0.776 ± 0.015 χ^2/NDF : 3149.4/64

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.120 $\pm$ 0.278 χ^2 /NDF:614.0/14

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

Left In: -3.242 $\pm$ 0.277 χ^2 /NDF:775.5/13

Left: -3.181 $\pm$ 0.196 χ^2 /NDF: 1389.6/28

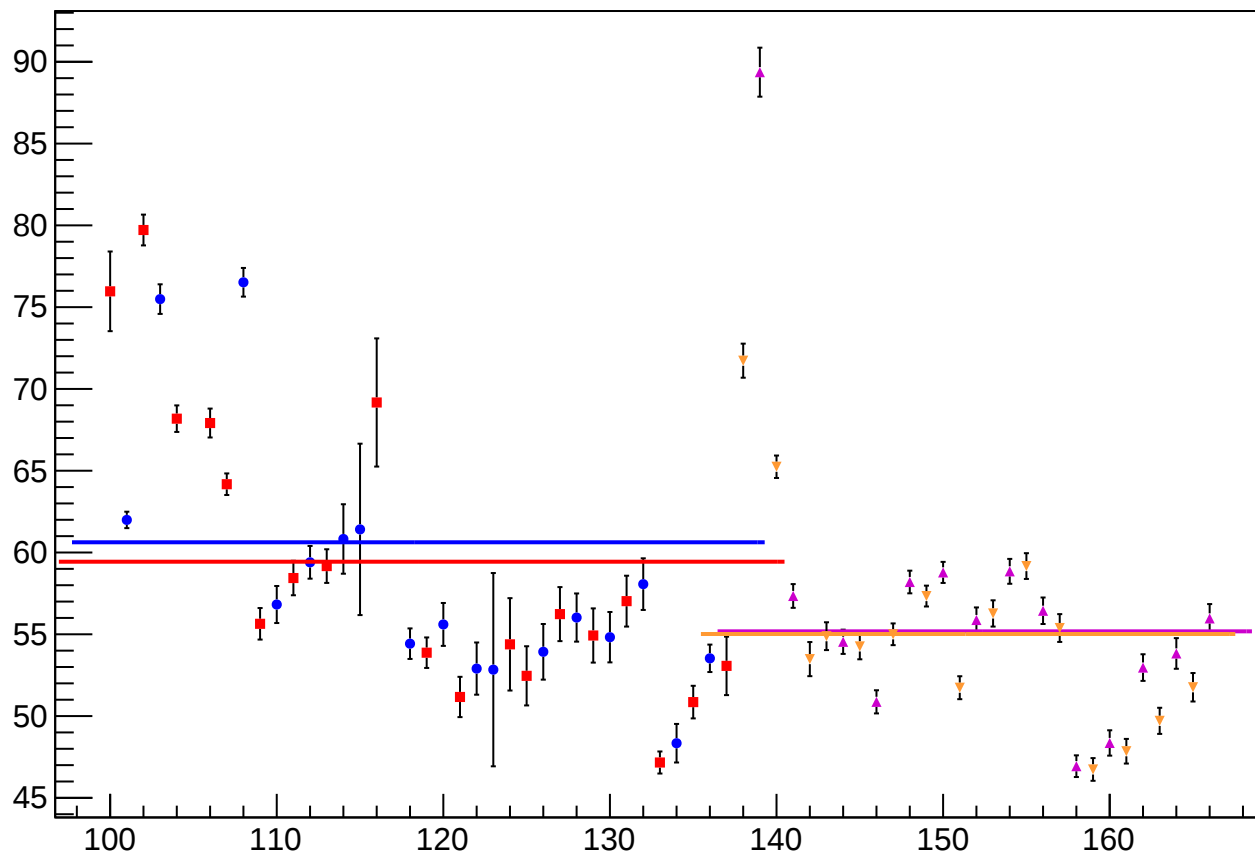
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -3.242 $\pm$ 0.277 χ^2 /NDF:775.5/13

Out: -3.120 $\pm$ 0.278 χ^2 /NDF:614.0/14

All: -3.181 $\pm$ 0.196 χ^2 /NDF: 1389.6/28

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 55.018 $\pm$ 0.200 χ^2 /NDF: 839.3/14

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

Left In: 55.181 $\pm$ 0.206 χ^2 /NDF: 886.5/13

Left: 55.097 $\pm$ 0.144 χ^2 /NDF: 1726.1/28

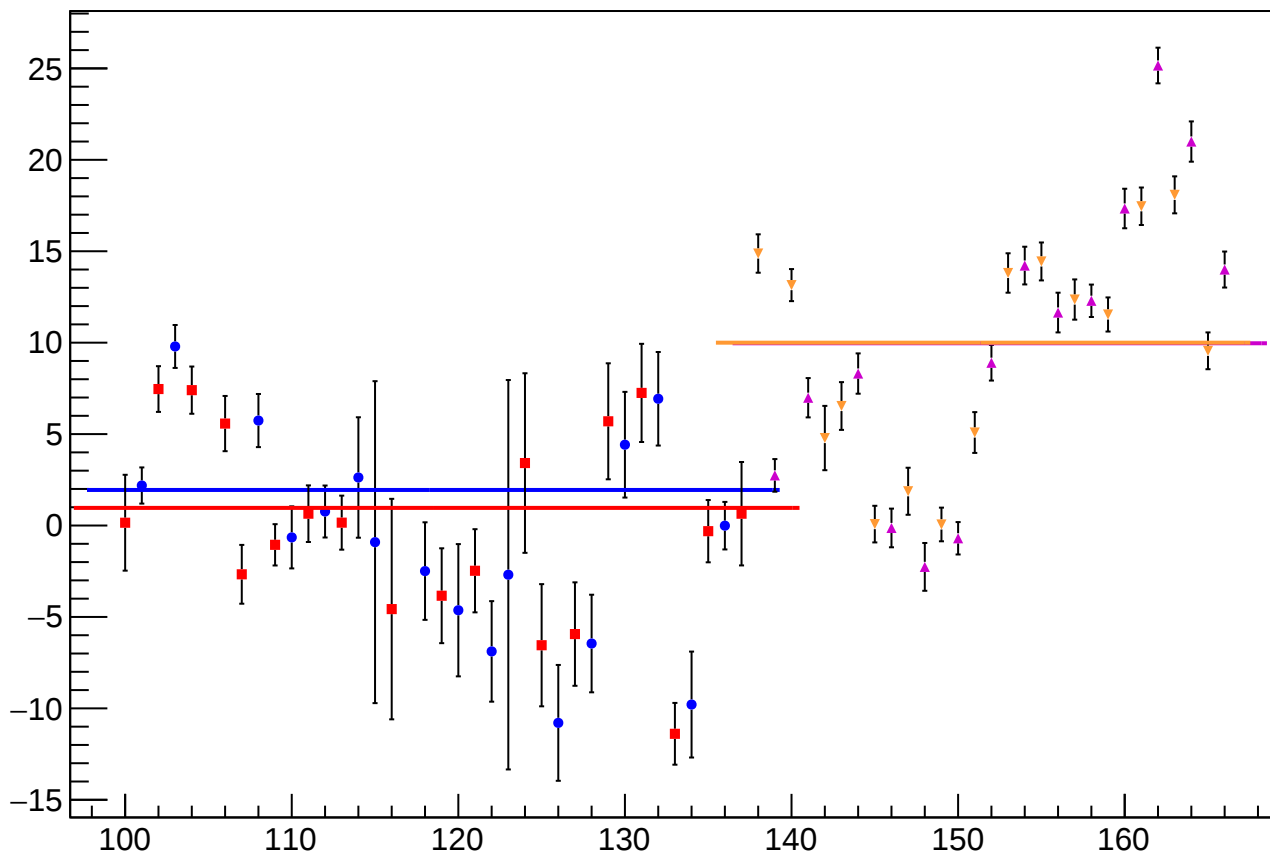
Right: 59.996 $\pm$ 0.180 χ^2 /NDF: 2258.7/35

In: 57.254 $\pm$ 0.162 χ^2 /NDF: 2076.3/30

Out: 56.762 $\pm$ 0.156 χ^2 /NDF: 2355.3/33

All: 56.998 $\pm$ 0.112 χ^2 /NDF: 4436.4/64

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 9.967 ± 0.271 $\chi^2/\text{NDF}: 832.5/13$

Left: 9.984 ± 0.193 $\chi^2/\text{NDF}: 1312.0/28$

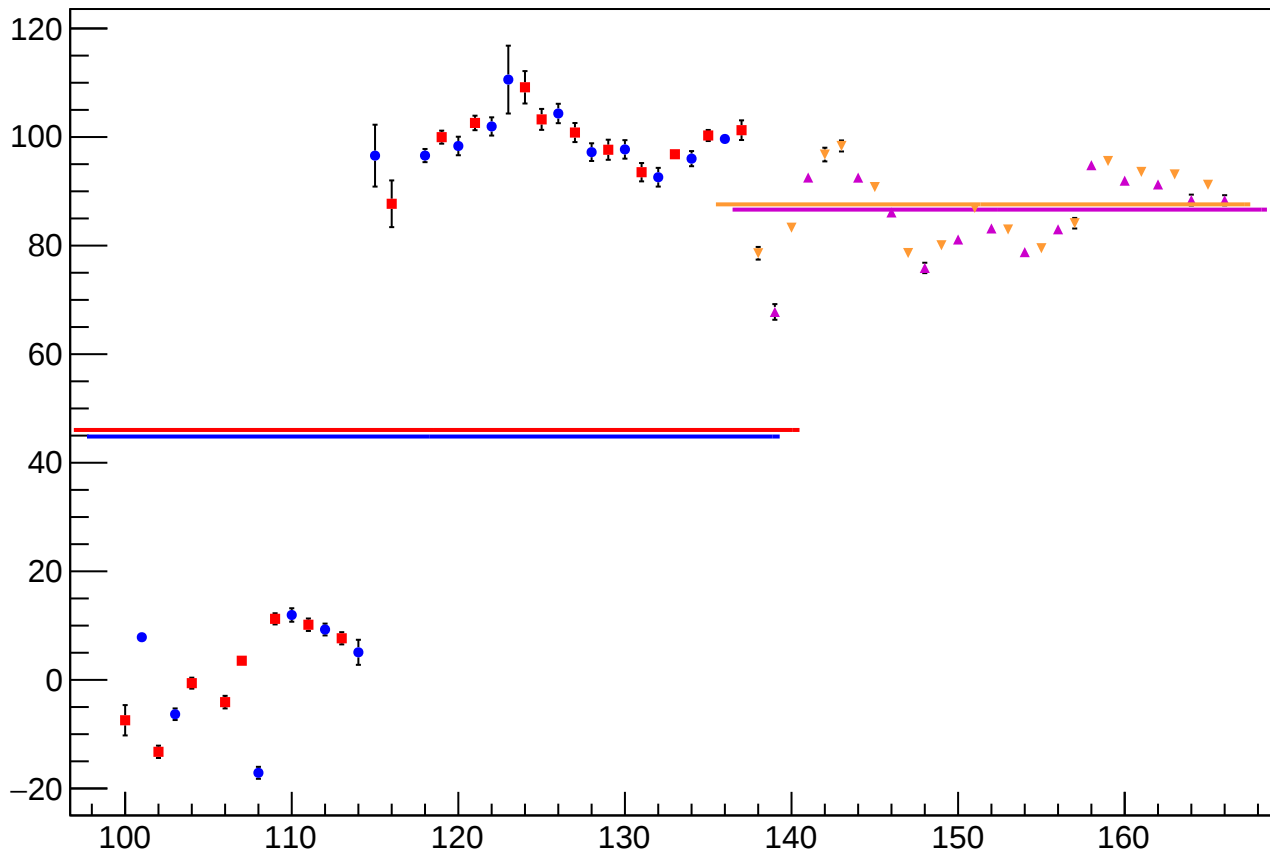
Right: 1.416 ± 0.312 $\chi^2/\text{NDF}: 272.6/35$

In: 7.887 ± 0.234 $\chi^2/\text{NDF}: 1179.6/30$

Out: 7.350 ± 0.230 $\chi^2/\text{NDF}: 949.5/33$

All: 7.614 ± 0.164 $\chi^2/\text{NDF}: 2131.7/64$

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 86.629 $\pm$ 0.236 χ^2 /NDF:767.3/13

Left: 87.122 $\pm$ 0.165 χ^2 /NDF: 1587.2/28

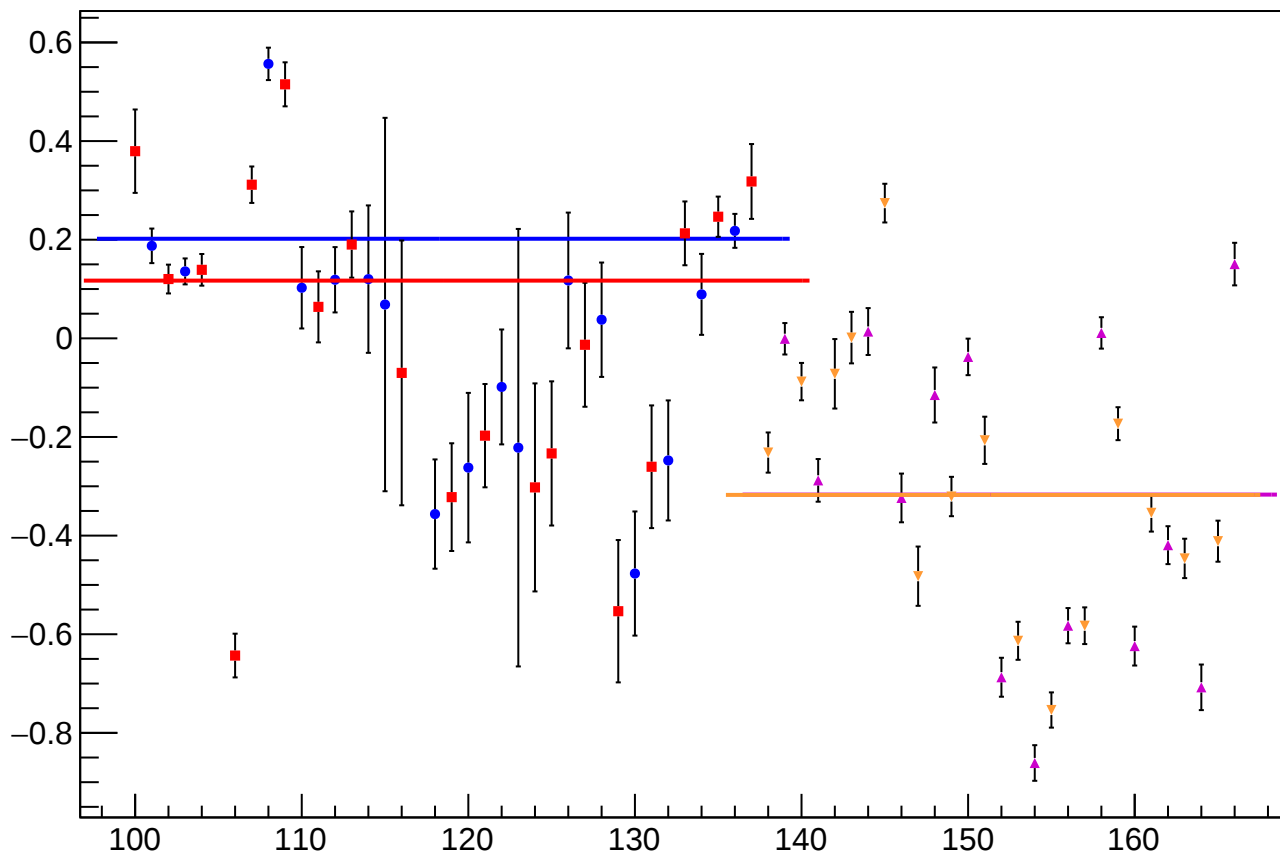
Right: 45.465 $\pm$ 0.210 χ^2 /NDF: 53034.8/35

In: 70.986 $\pm$ 0.186 χ^2 /NDF:37310.5/30

Out: 71.418 $\pm$ 0.181 χ^2 /NDF:41660.3/33

All: 71.209 $\pm$ 0.130 χ^2 /NDF: 78973.6/64

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.317 ± 0.011 χ^2/NDF : 950.0/13

Left: -0.317 ± 0.008 χ^2/NDF : 1574.6/28

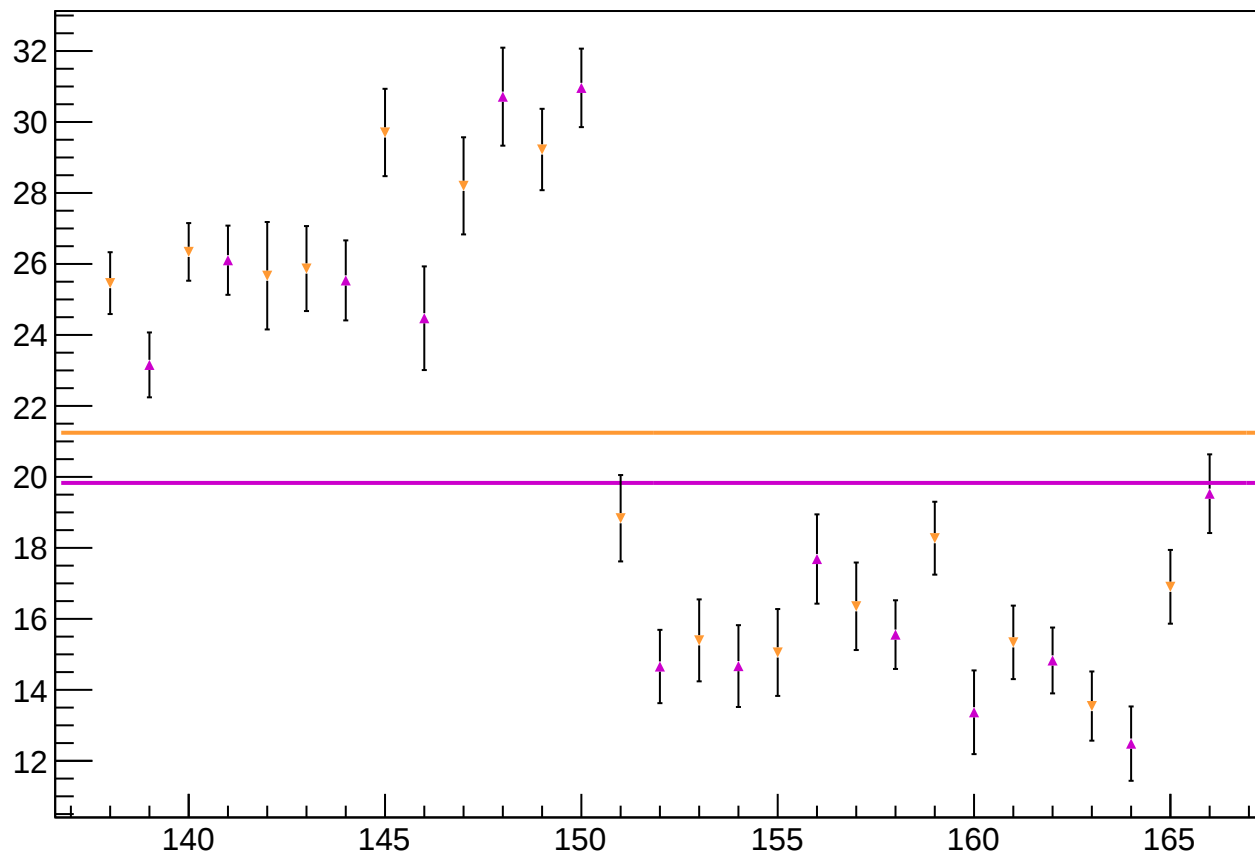
Right: 0.156 ± 0.010 χ^2/NDF : 735.2/35

In: -0.129 ± 0.008 χ^2/NDF : 2035.6/30

Out: -0.144 ± 0.008 χ^2/NDF : 1791.2/33

All: -0.136 ± 0.006 χ^2/NDF : 3828.3/64

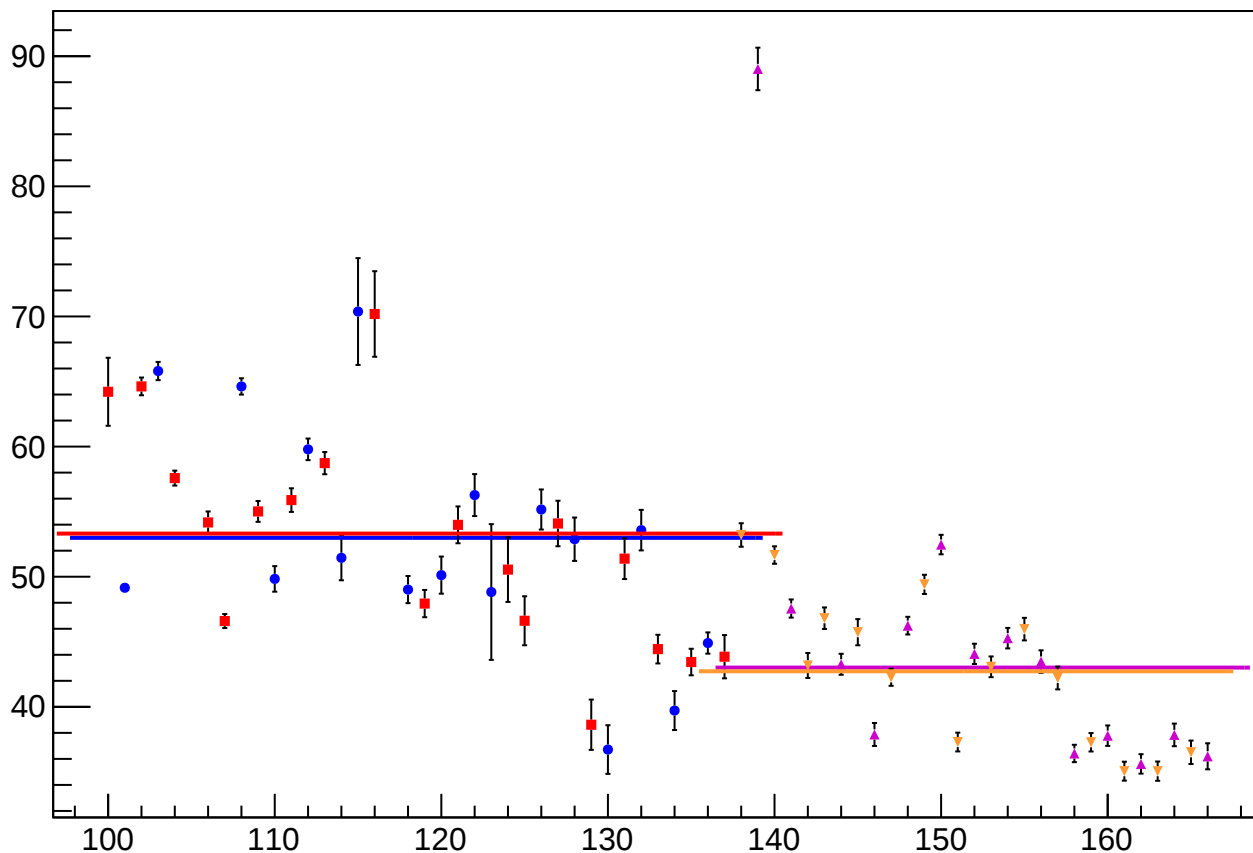
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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: 19.831 +/- 0.291 χ^2/NDF : 429.7/13

Left: 20.557 +/- 0.203 χ^2/NDF : 841.4/28
 Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 In: 19.831 +/- 0.291 χ^2/NDF : 429.7/13
 Out: 21.244 +/- 0.282 χ^2/NDF : 399.5/14
 All: 20.557 +/- 0.203 χ^2/NDF : 841.4/28

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 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: 43.017 $\pm$ 0.214 χ^2 /NDF:1383.0/13

Left: 42.868 $\pm$ 0.147 χ^2 /NDF: 2208.9/28

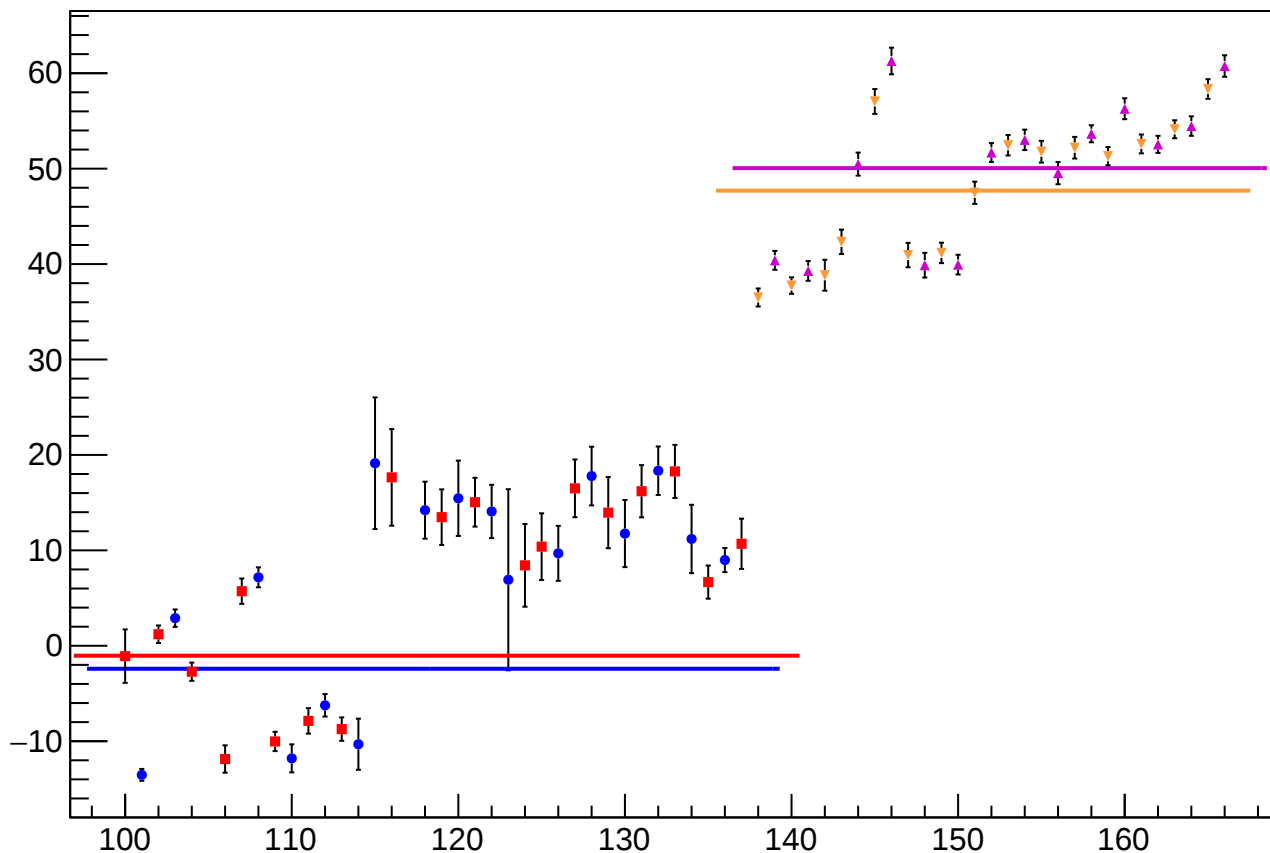
Right: 53.140 $\pm$ 0.154 χ^2 /NDF: 2074.7/35

In: 48.081 $\pm$ 0.150 χ^2 /NDF:3681.5/30

Out: 47.445 $\pm$ 0.151 χ^2 /NDF:2908.9/33

All: 47.765 $\pm$ 0.107 χ^2 /NDF: 6599.3/64

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 50.055 ± 0.284 χ^2/NDF : 601.0/13

Left: 48.854 ± 0.199 χ^2/NDF : 1312.8/28

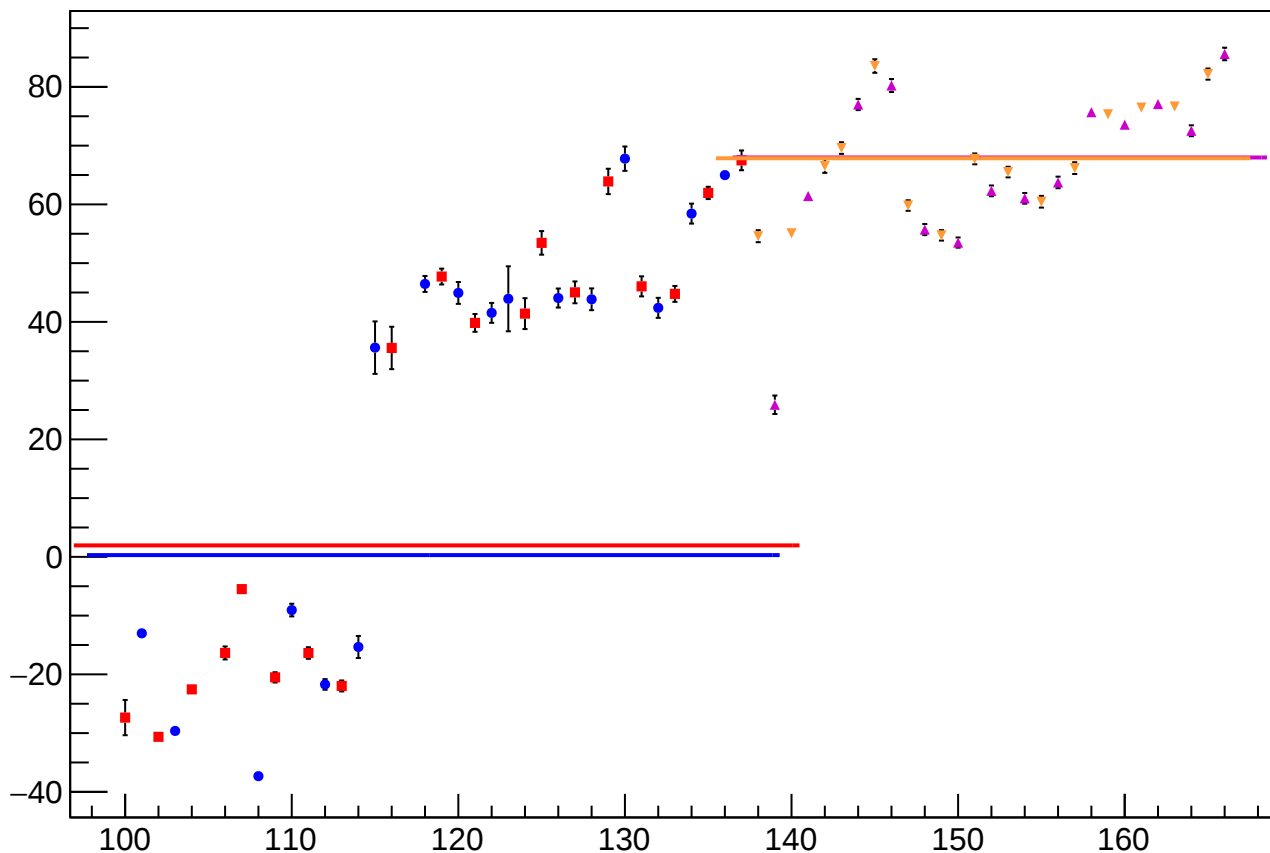
Right: -1.748 ± 0.262 χ^2/NDF : 1349.0/35

In: 30.225 ± 0.224 χ^2/NDF : 14335.2/30

Out: 30.469 ± 0.224 χ^2/NDF : 11985.5/33

All: 30.347 ± 0.158 χ^2/NDF : 26321.3/64

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 67.983 ± 0.245 χ^2/NDF : 2148.4/13

Left: 67.913 ± 0.169 χ^2/NDF : 3698.2/28

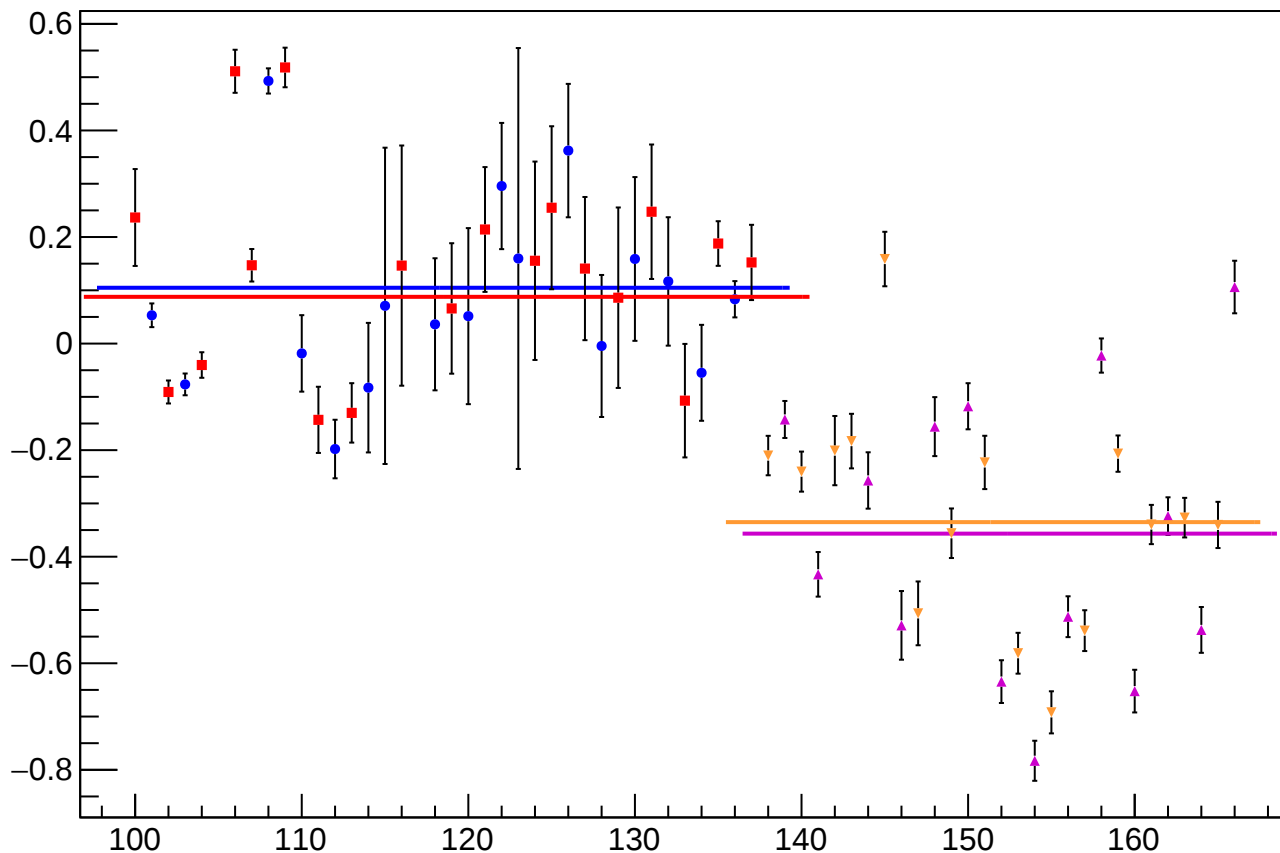
Right: 1.065 ± 0.181 χ^2/NDF : 33730.4/35

In: 34.535 ± 0.174 χ^2/NDF : 58259.4/30

Out: 39.050 ± 0.176 χ^2/NDF : 51388.0/33

All: 36.763 ± 0.124 χ^2/NDF : 109979.9/64

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.335 ± 0.011 $\chi^2/\text{NDF}: 303.0/14$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

Left In: -0.357 ± 0.011 $\chi^2/\text{NDF}: 558.4/13$

Left: -0.346 ± 0.008 $\chi^2/\text{NDF}: 863.4/28$

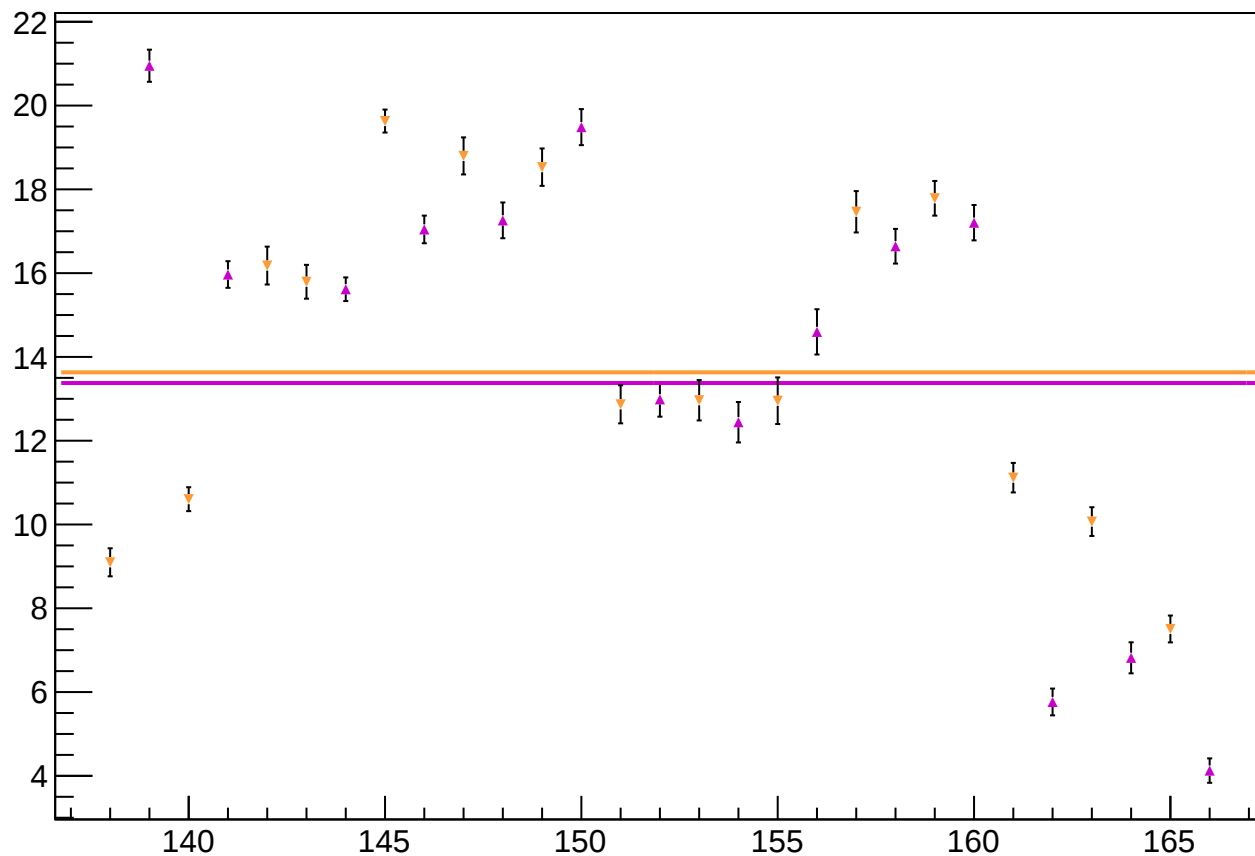
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.126 ± 0.008 $\chi^2/\text{NDF}: 1833.4/30$

Out: -0.126 ± 0.008 $\chi^2/\text{NDF}: 1439.5/33$

All: -0.126 ± 0.005 $\chi^2/\text{NDF}: 3272.9/64$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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: 13.377+/-0.098 χ^2/NDF :2971.6/13

Left: 13.505+/-0.069 χ^2/NDF : 4758.7/28

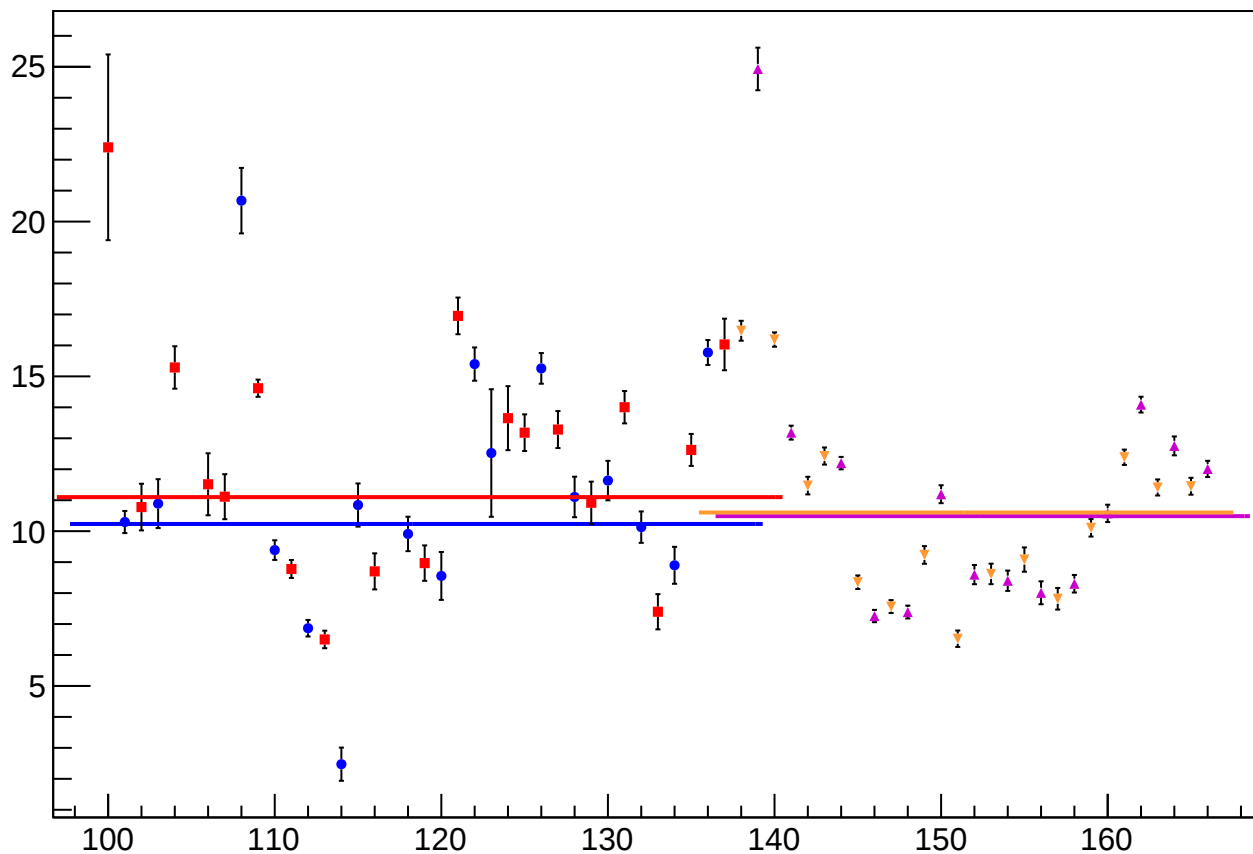
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 13.377+/-0.098 χ^2/NDF :2971.6/13

Out: 13.632+/-0.098 χ^2/NDF :1783.7/14

All: 13.505+/-0.069 χ^2/NDF : 4758.7/28

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 10.485 ± 0.071 χ^2/NDF : 1618.7/13

Left: 10.545 ± 0.050 χ^2/NDF : 3352.4/28

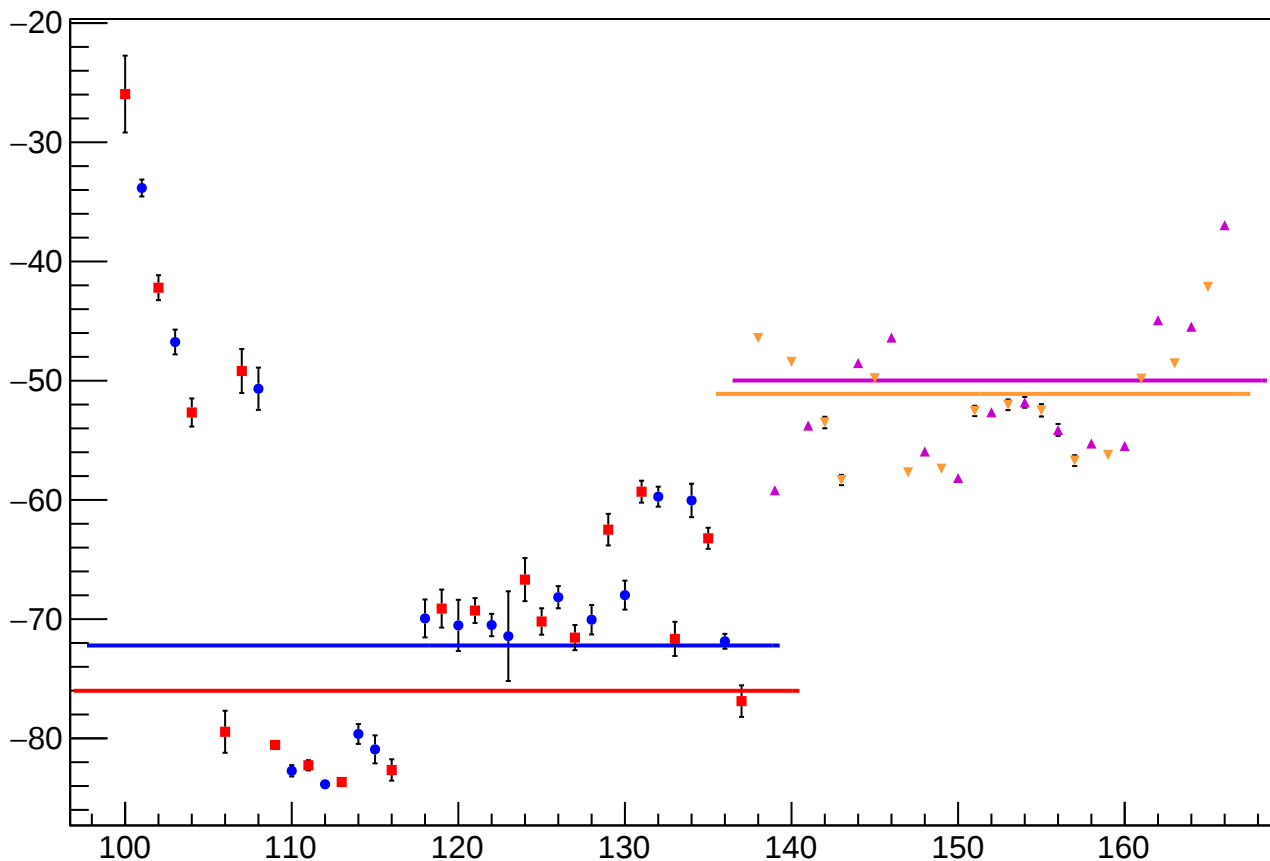
Right: 10.677 ± 0.083 χ^2/NDF : 1721.6/35

In: 10.419 ± 0.061 χ^2/NDF : 2498.8/30

Out: 10.735 ± 0.060 χ^2/NDF : 2563.4/33

All: 10.580 ± 0.043 χ^2/NDF : 5075.9/64

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -51.103+/-0.098 χ^2/NDF : 2271.6/14

Right Out: -76.009+/-0.181 χ^2/NDF : 3463.3/18

Left In: -49.982+/-0.097 χ^2/NDF : 4279.4/13

Left: -50.539+/-0.069 χ^2/NDF : 6617.3/28

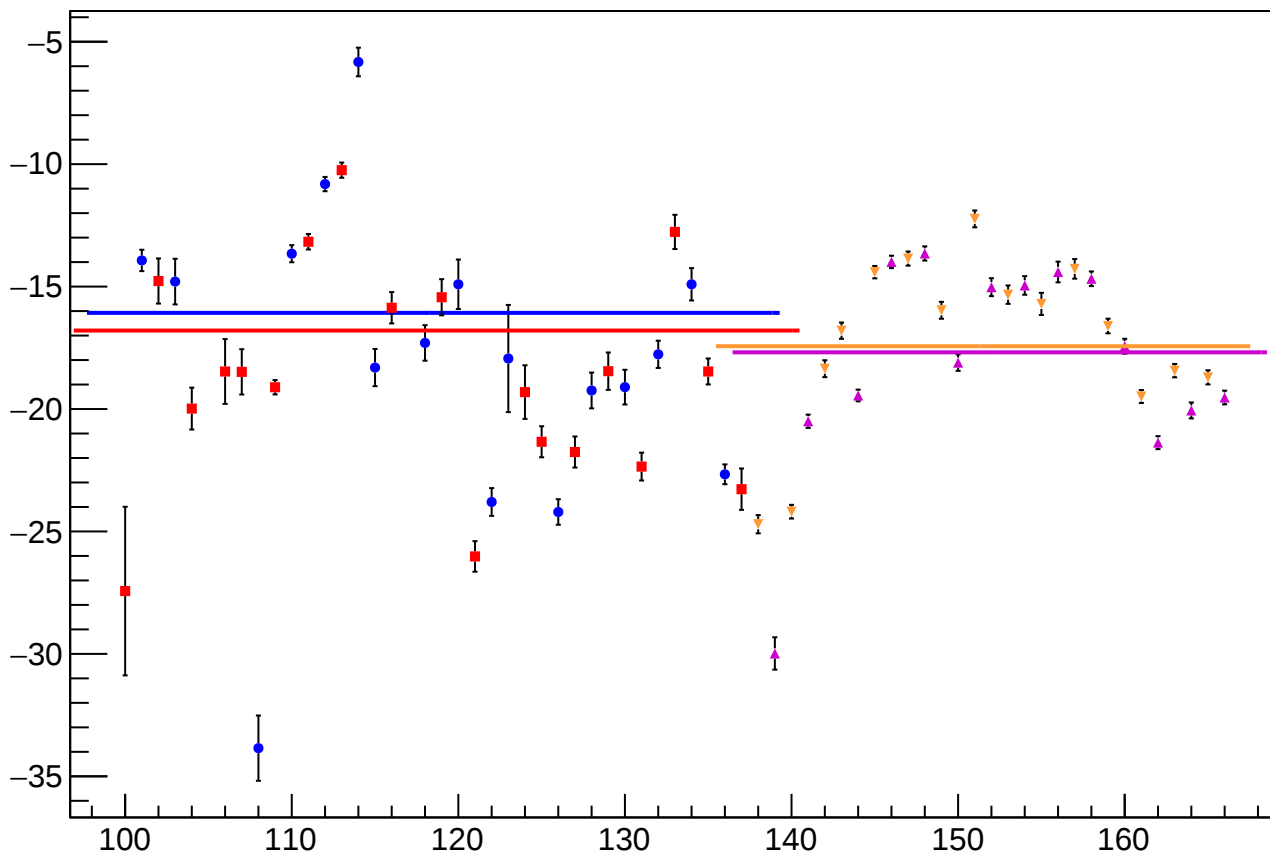
Right: -74.280+/-0.134 χ^2/NDF : 9230.0/35

In: -54.289+/-0.087 χ^2/NDF : 20008.6/30

Out: -56.722+/-0.086 χ^2/NDF : 20399.4/33

All: -55.522+/-0.061 χ^2/NDF : 40803.3/64

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -17.685 ± 0.082 χ^2/NDF : 1469.7/13

Left: -17.558 ± 0.058 χ^2/NDF : 3199.8/28

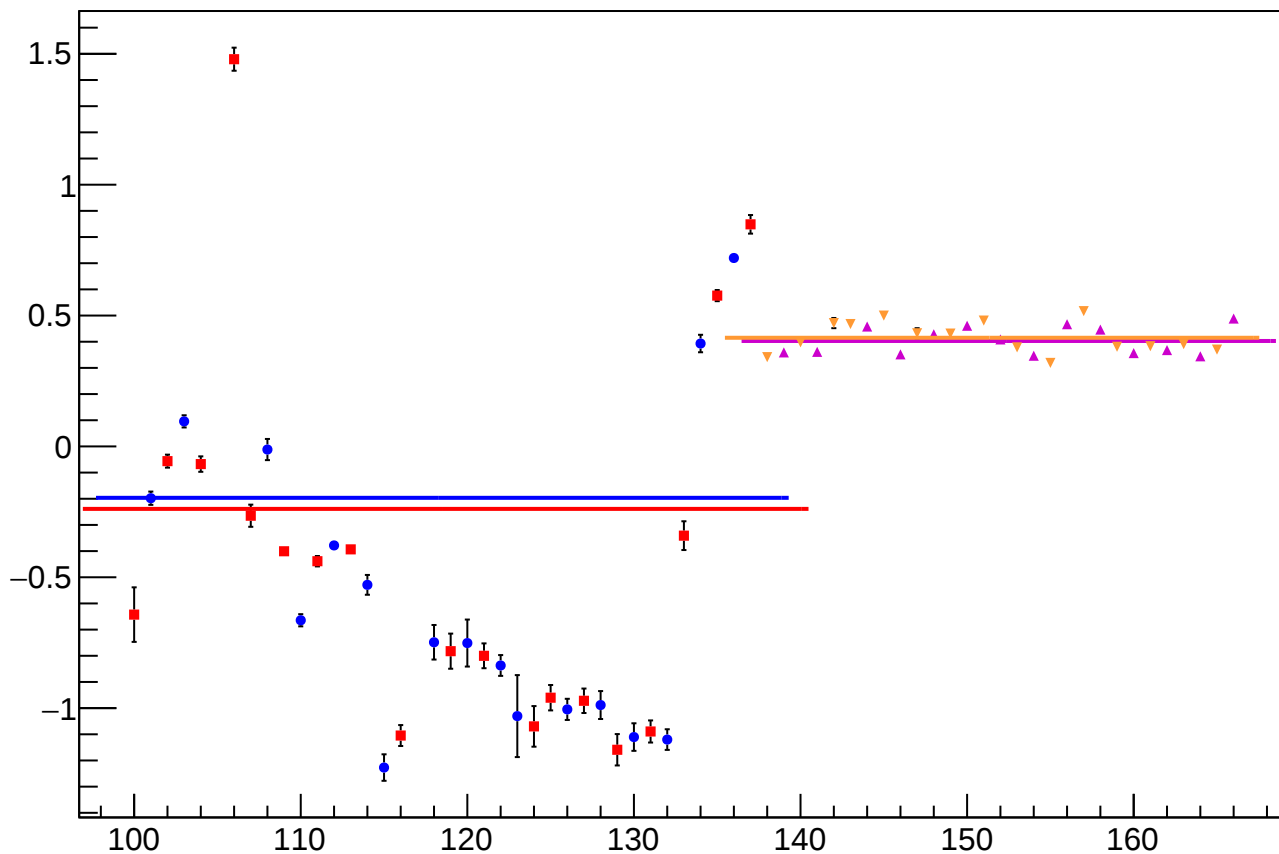
Right: -16.446 ± 0.092 χ^2/NDF : 2871.9/35

In: -17.236 ± 0.070 χ^2/NDF : 3217.0/30

Out: -17.251 ± 0.069 χ^2/NDF : 2959.2/33

All: -17.244 ± 0.049 χ^2/NDF : 6176.2/64

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.415 ± 0.004 χ^2/NDF : 220.0/14

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

Left In: 0.403 ± 0.004 χ^2/NDF : 177.2/13

Left: 0.409 ± 0.003 χ^2/NDF : 402.3/28

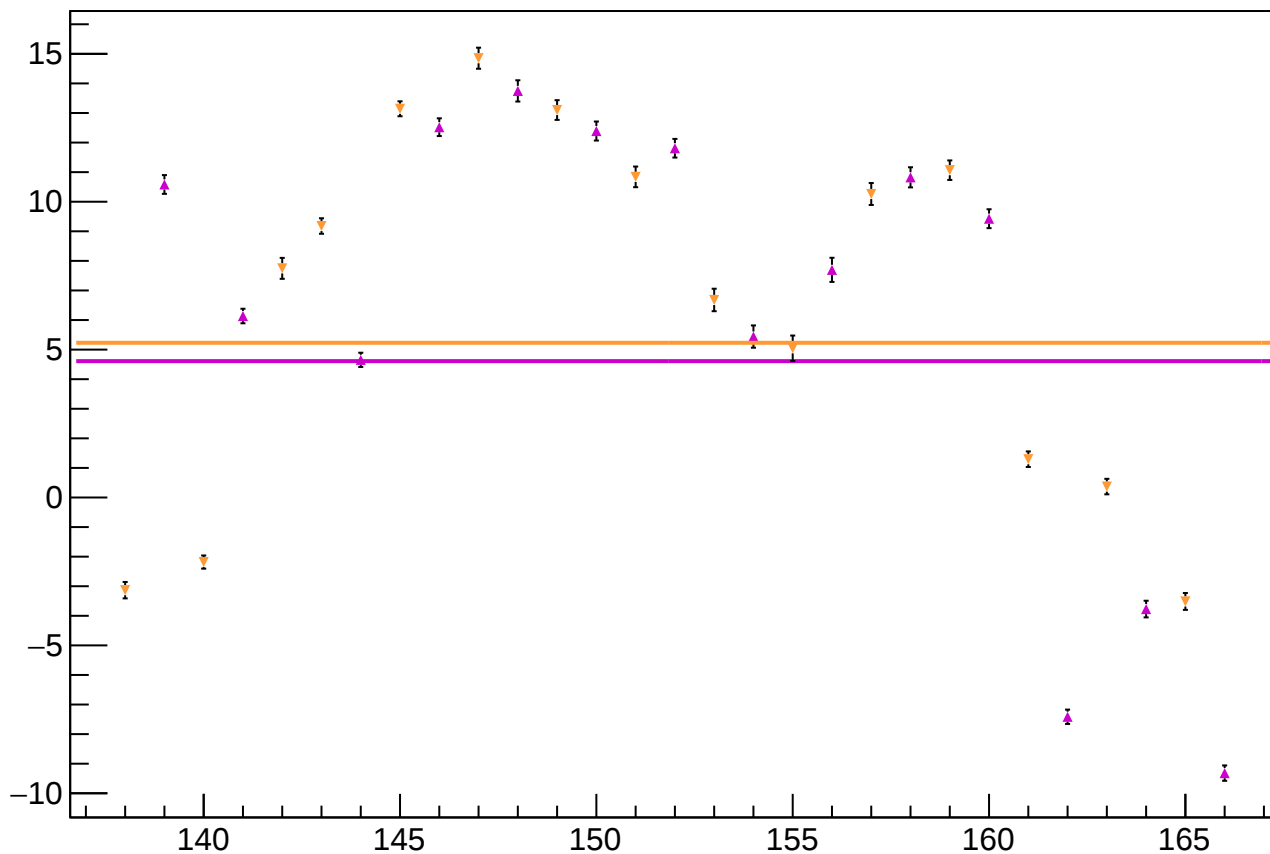
Right: -0.219 ± 0.005 χ^2/NDF : 12528.7/35

In: 0.277 ± 0.003 χ^2/NDF : 11486.2/30

Out: 0.268 ± 0.003 χ^2/NDF : 12841.5/33

All: 0.273 ± 0.002 χ^2/NDF : 24330.9/64

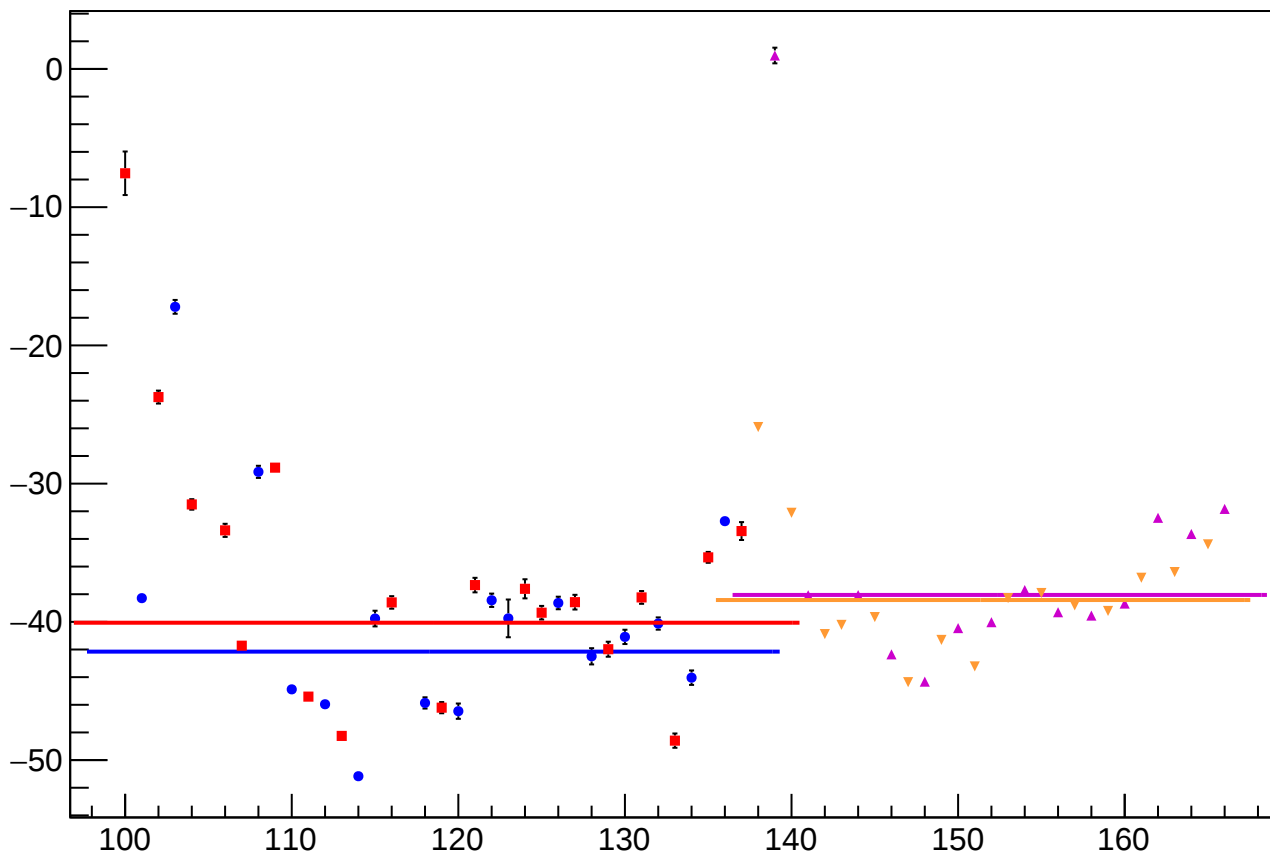
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



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: 4.610+/-0.079 χ^2/NDF :9686.7/13

Left: 4.929+/-0.055 χ^2/NDF : 16560.9/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.610+/-0.079 χ^2/NDF :9686.7/13
 Out: 5.231+/-0.077 χ^2/NDF :6843.0/14
 All: 4.929+/-0.055 χ^2/NDF : 16560.9/28

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -38.052 ± 0.058 $\chi^2/\text{NDF}: 8701.8/13$

Left: -38.244 ± 0.040 $\chi^2/\text{NDF}: 14775.5/28$

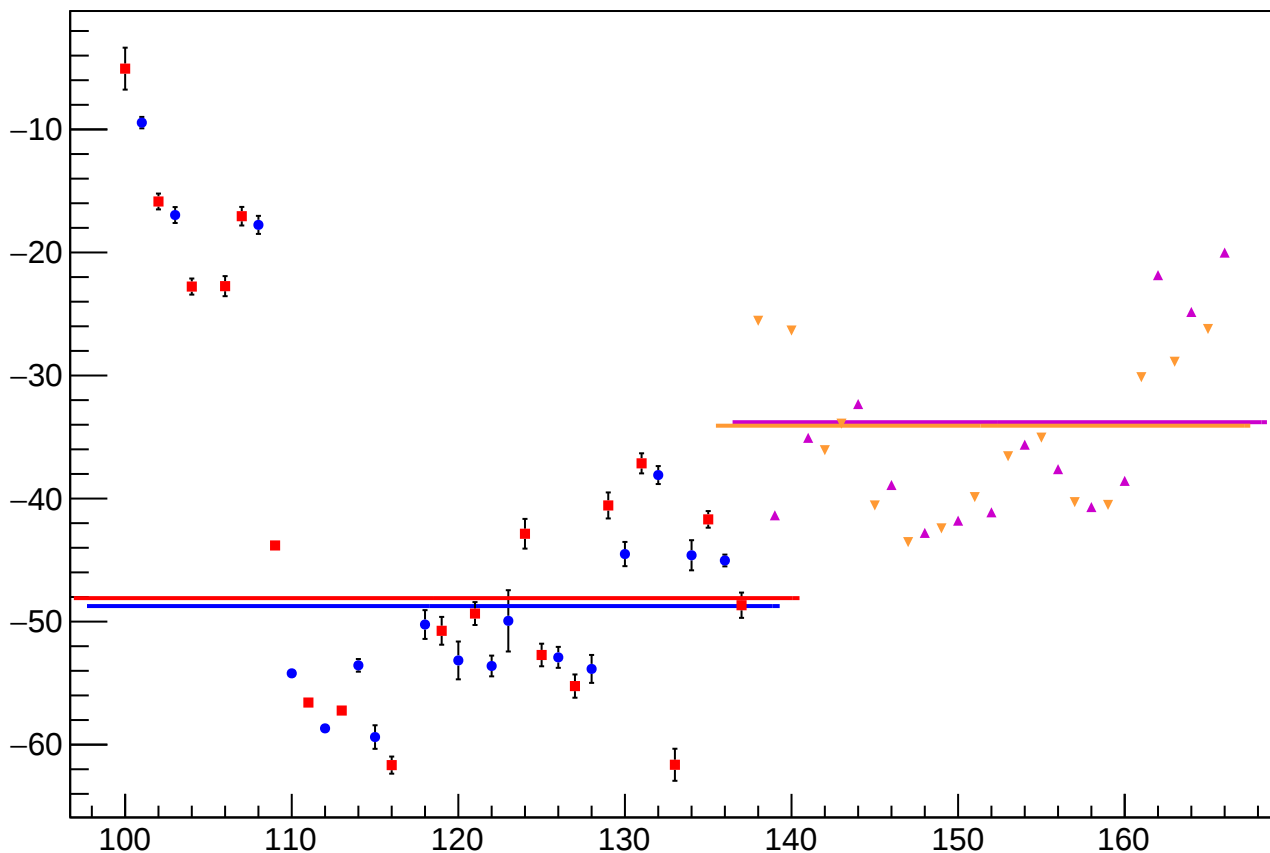
Right: -41.035 ± 0.053 $\chi^2/\text{NDF}: 18264.1/35$

In: -39.497 ± 0.046 $\chi^2/\text{NDF}: 17049.2/30$

Out: -39.018 ± 0.044 $\chi^2/\text{NDF}: 17697.9/33$

All: -39.245 ± 0.032 $\chi^2/\text{NDF}: 34803.4/64$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -34.078 ± 0.077 $\chi^2/\text{NDF}: 6572.0/14$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

Left In: -33.794 ± 0.078 $\chi^2/\text{NDF}: 10136.6/13$

Left: -33.938 ± 0.055 $\chi^2/\text{NDF}: 16715.3/28$

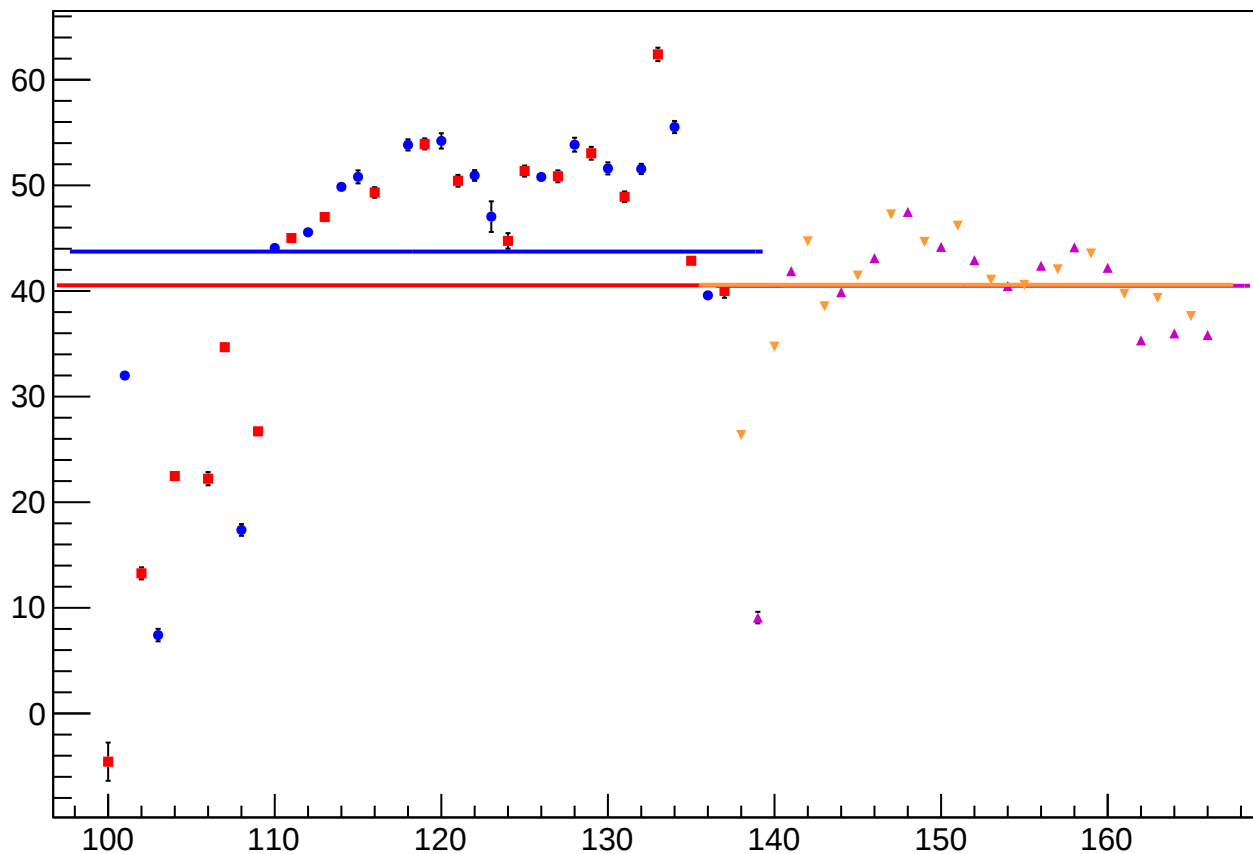
Right: -48.367 ± 0.081 $\chi^2/\text{NDF}: 26406.8/35$

In: -38.017 ± 0.066 $\chi^2/\text{NDF}: 35119.2/30$

Out: -38.856 ± 0.063 $\chi^2/\text{NDF}: 29559.8/33$

All: -38.460 ± 0.045 $\chi^2/\text{NDF}: 64763.8/64$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 40.496 $\pm$ 0.066 χ^2 /NDF: 6243.3/13

Left: 40.544 $\pm$ 0.046 χ^2 /NDF: 11260.0/28

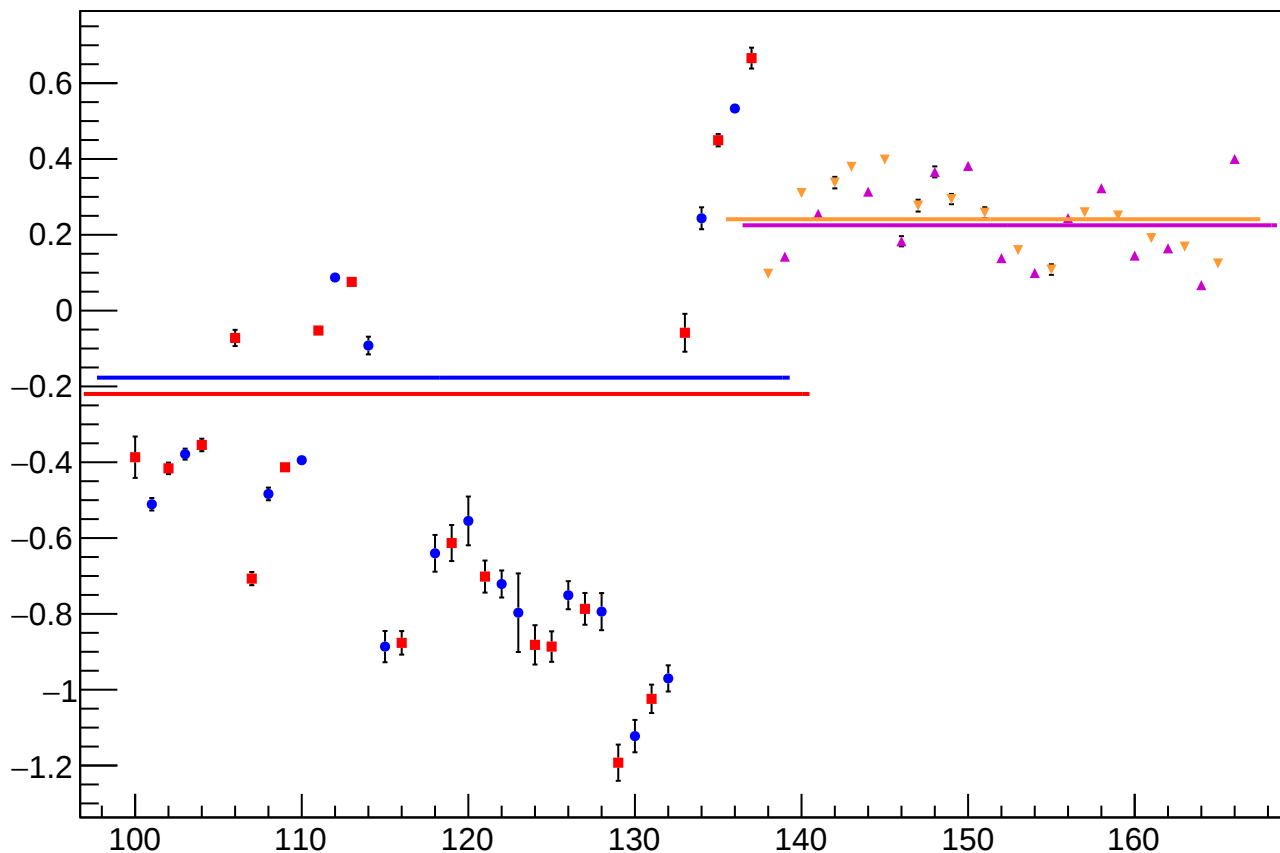
Right: 42.007 $\pm$ 0.059 χ^2 /NDF: 28898.9/35

In: 41.690 $\pm$ 0.053 χ^2 /NDF: 17686.2/30

Out: 40.569 $\pm$ 0.050 χ^2 /NDF: 22617.2/33

All: 41.100 $\pm$ 0.036 χ^2 /NDF: 40540.9/64

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.225 ± 0.003 χ^2/NDF : 1122.7/13

Left: 0.233 ± 0.002 χ^2/NDF : 2076.9/28

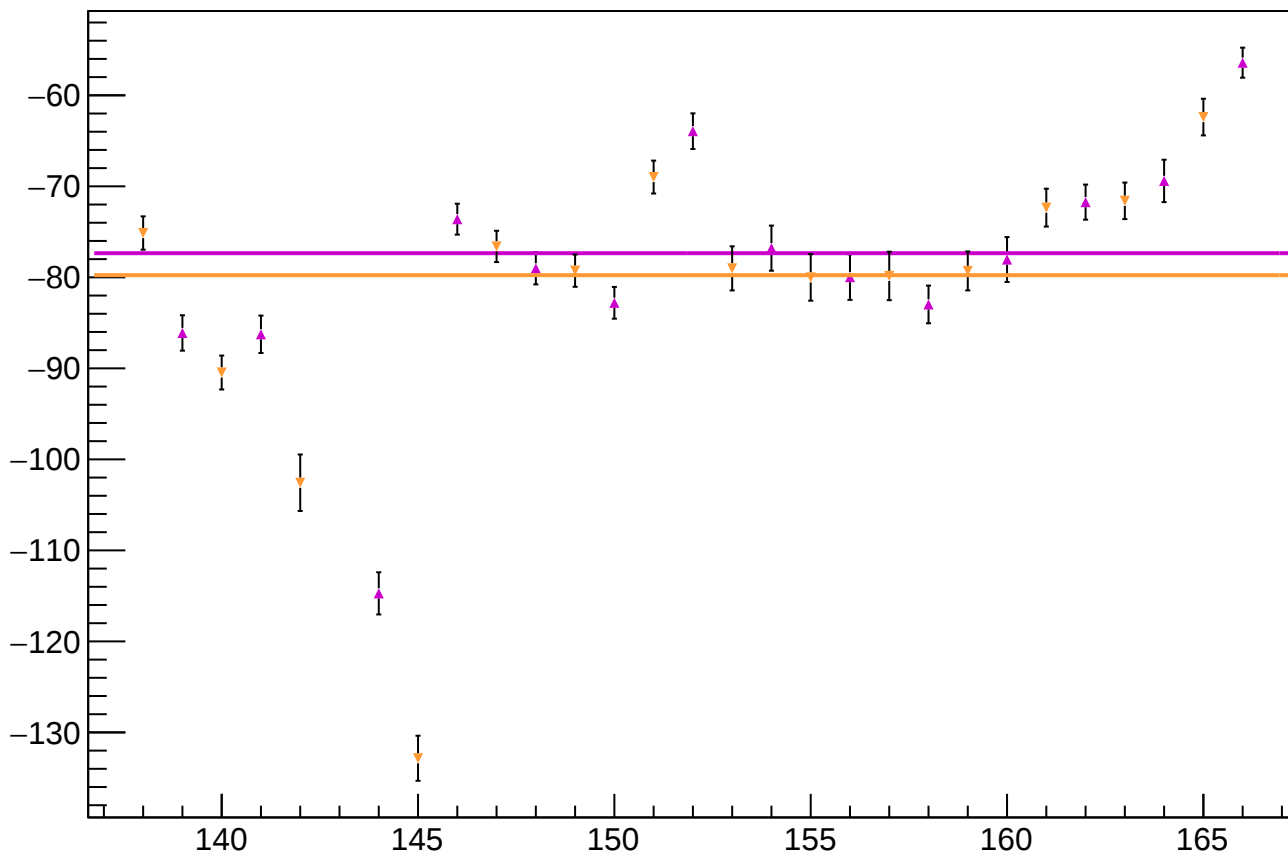
Right: -0.201 ± 0.003 χ^2/NDF : 14839.1/35

In: 0.108 ± 0.003 χ^2/NDF : 13367.7/30

Out: 0.087 ± 0.002 χ^2/NDF : 16013.5/33

All: 0.097 ± 0.002 χ^2/NDF : 29413.0/64

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



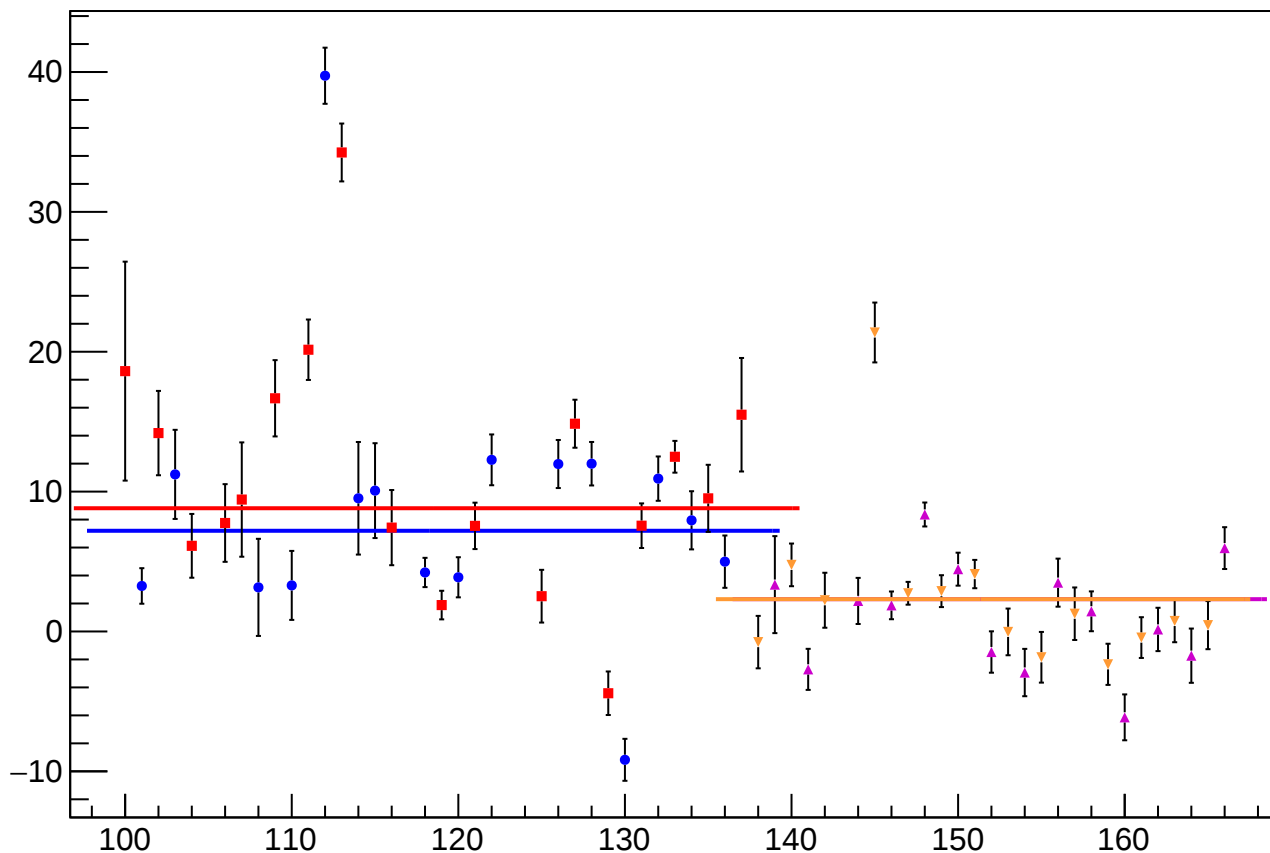
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -79.761+/-0.557 χ^2/NDF : 695.8/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -77.347+/-0.536 χ^2/NDF : 551.3/13

Left: -78.507+/-0.386 χ^2/NDF : 1256.9/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -77.347+/-0.536 χ^2/NDF : 551.3/13
 Out: -79.761+/-0.557 χ^2/NDF : 695.8/13

All: -78.507+/-0.386 χ^2/NDF : 1256.9/27

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 2.309 $\pm$ 0.374 χ^2 /NDF:121.0/13

Left: 2.309 $\pm$ 0.265 χ^2 /NDF: 232.7/27

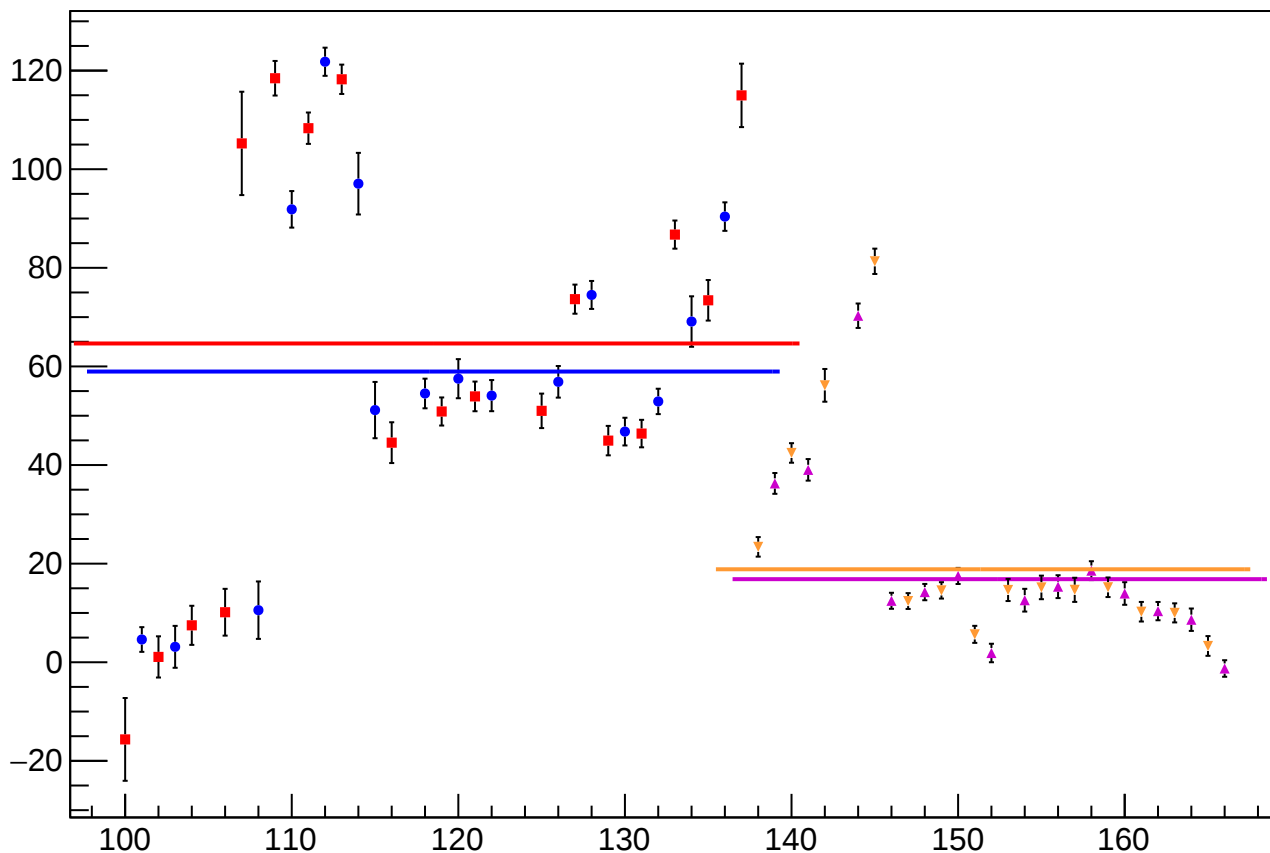
Right: 7.990 $\pm$ 0.314 χ^2 /NDF: 800.1/33

In: 4.362 $\pm$ 0.285 χ^2 /NDF:636.7/29

Out: 4.993 $\pm$ 0.288 χ^2 /NDF:585.1/31

All: 4.674 $\pm$ 0.202 χ^2 /NDF: 1224.2/61

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 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: 16.853 $\pm$ 0.521 χ^2 /NDF:873.9/13

Left: 17.816 $\pm$ 0.376 χ^2 /NDF: 1938.4/27

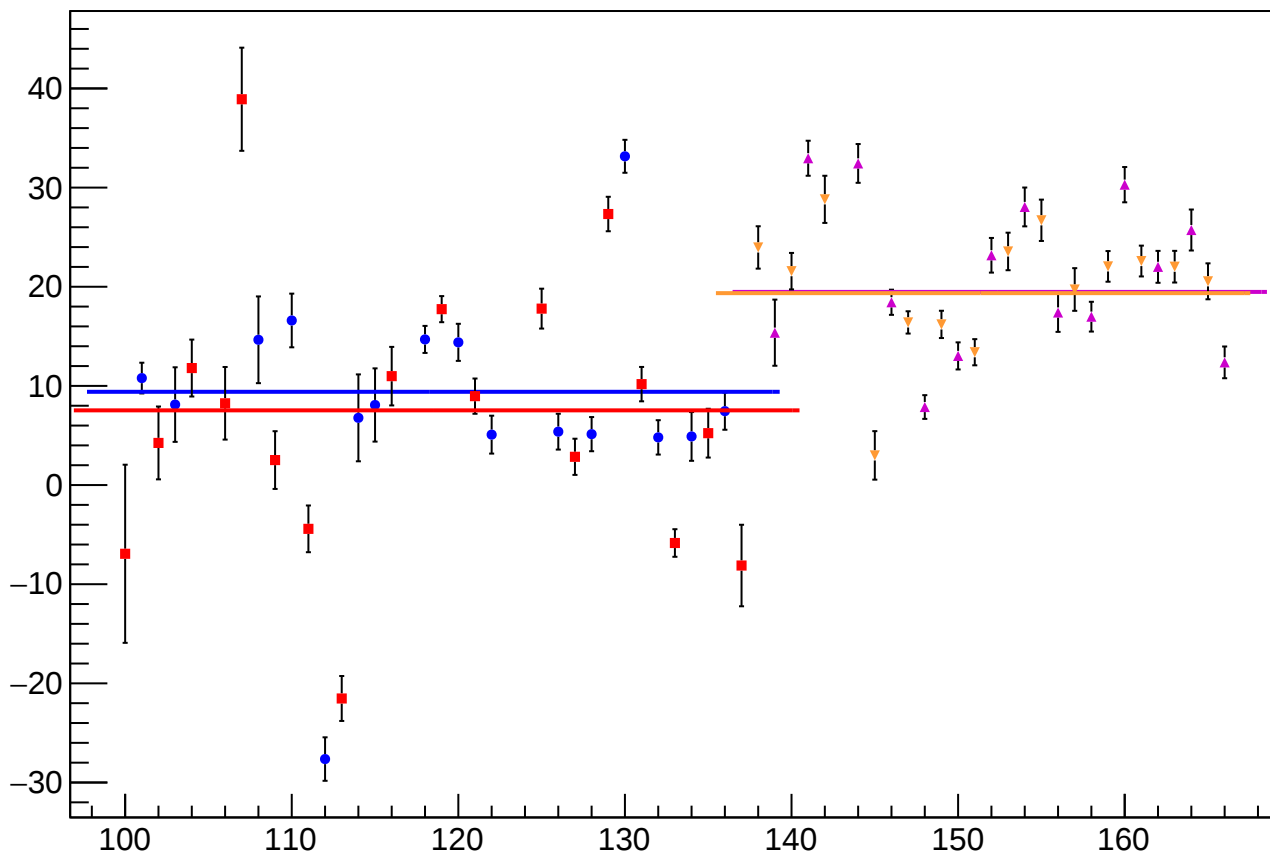
Right: 61.798 $\pm$ 0.593 χ^2 /NDF: 3241.4/33

In: 28.629 $\pm$ 0.443 χ^2 /NDF:4193.9/29

Out: 32.330 $\pm$ 0.456 χ^2 /NDF:4877.0/31

All: 30.426 $\pm$ 0.317 χ^2 /NDF: 9104.9/61

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 19.355 ± 0.447 χ^2/NDF : 127.2/13

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

Left In: 19.480 ± 0.441 χ^2/NDF : 316.6/13

Left: 19.418 ± 0.314 χ^2/NDF : 443.9/27

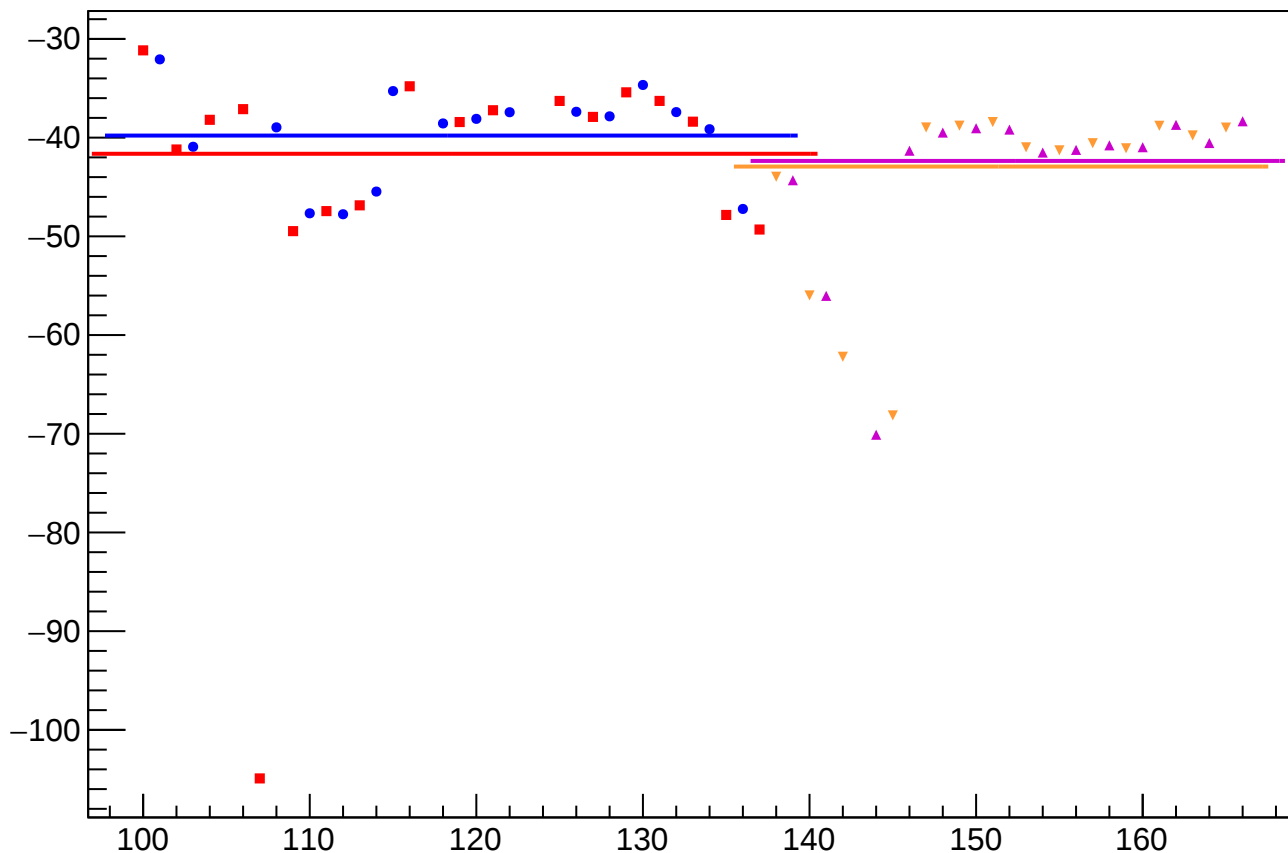
Right: 8.484 ± 0.361 χ^2/NDF : 1126.0/33

In: 15.140 ± 0.333 χ^2/NDF : 1091.1/29

Out: 14.275 ± 0.337 χ^2/NDF : 997.7/31

All: 14.713 ± 0.237 χ^2/NDF : 2092.1/61

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



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: -42.359 ± 0.021 χ^2/NDF : 102425.1/13

Left: -42.635 ± 0.015 χ^2/NDF : 227245.9/27

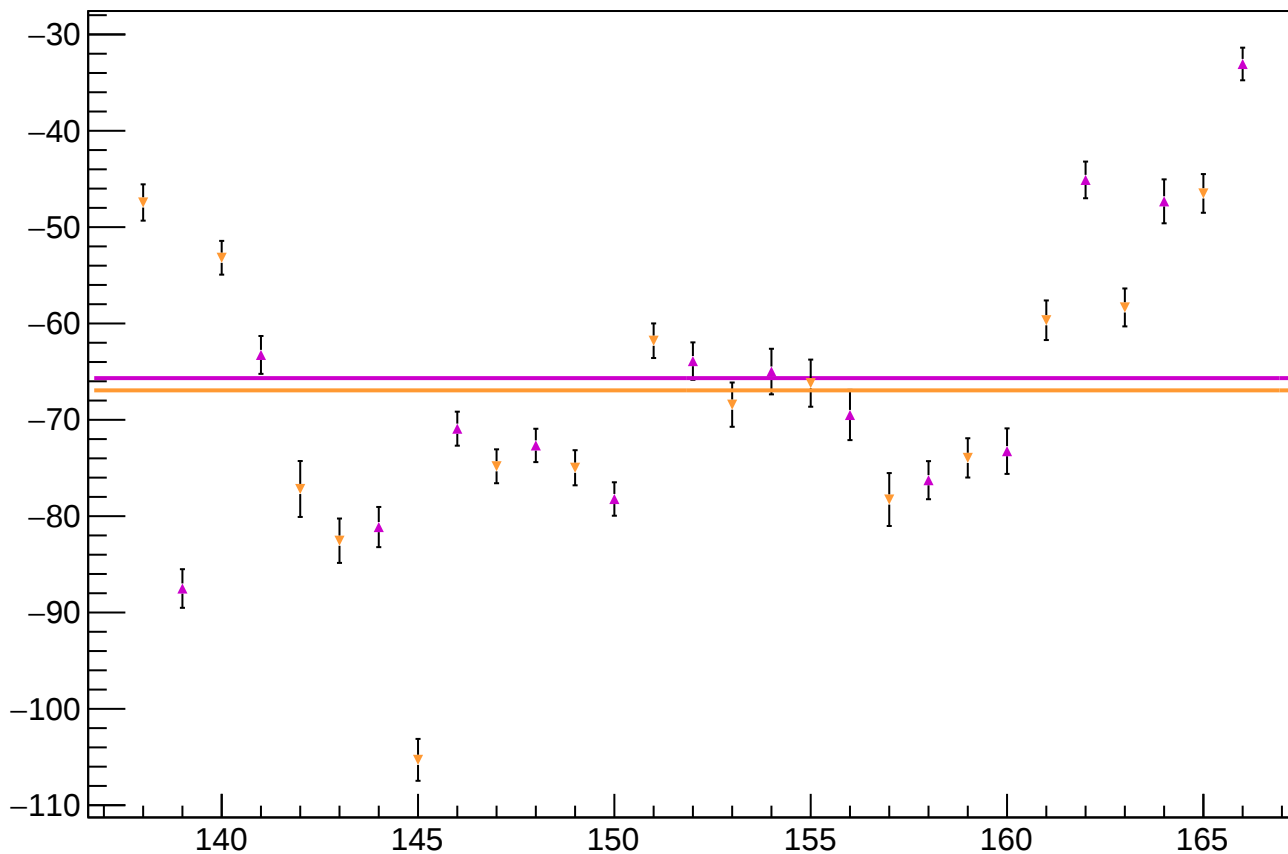
Right: -40.714 ± 0.022 χ^2/NDF : 122277.1/33

In: -41.570 ± 0.017 χ^2/NDF : 133248.4/29

Out: -42.511 ± 0.018 χ^2/NDF : 220015.9/31

All: -42.028 ± 0.012 χ^2/NDF : 354705.5/61

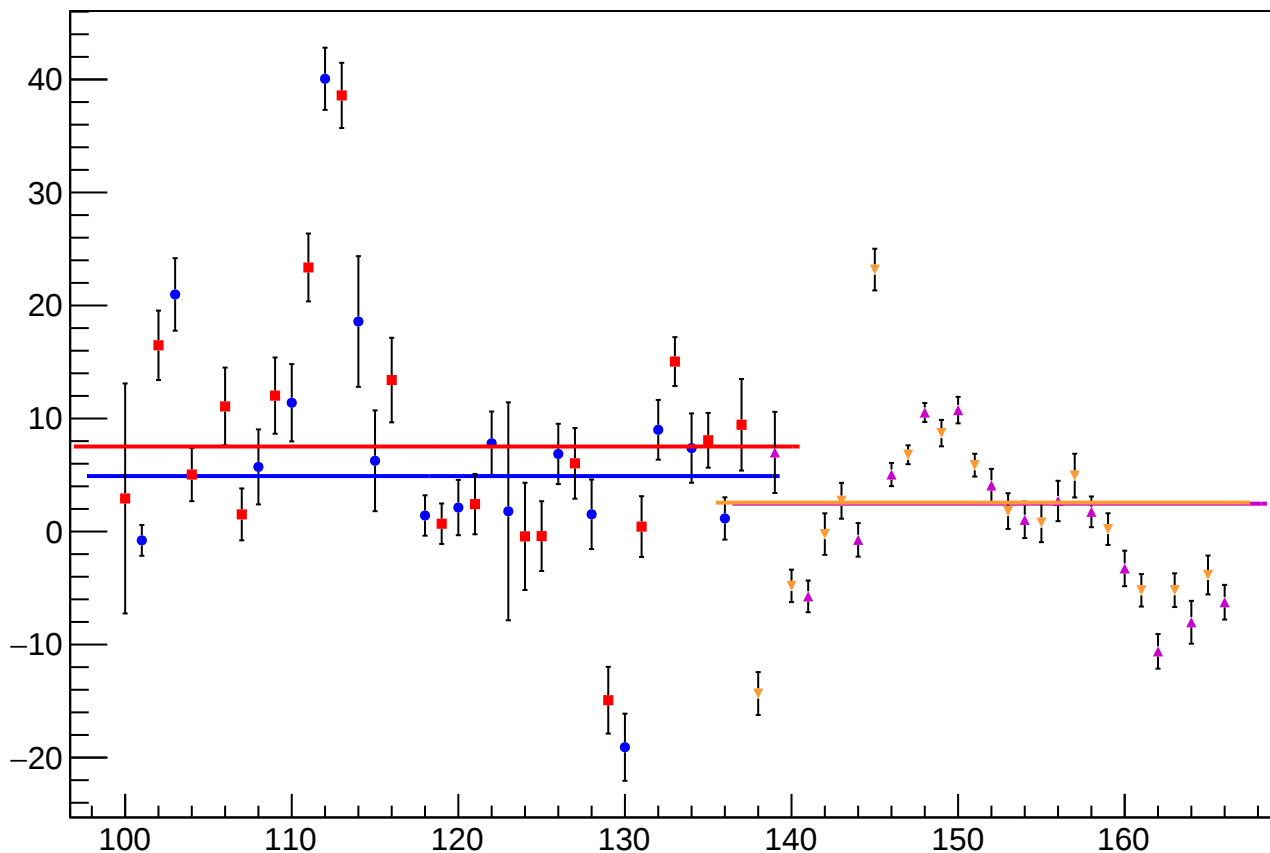
reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -66.943 ± 0.532 $\chi^2/\text{NDF}: 750.5/14$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -65.672 ± 0.529 $\chi^2/\text{NDF}: 847.0/13$

Left: -66.304 ± 0.375 $\chi^2/\text{NDF}: 1600.3/28$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -65.672 ± 0.529 $\chi^2/\text{NDF}: 847.0/13$
 Out: -66.943 ± 0.532 $\chi^2/\text{NDF}: 750.5/14$
 All: -66.304 ± 0.375 $\chi^2/\text{NDF}: 1600.3/28$

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 2.560 ± 0.361 $\chi^2/\text{NDF}: 372.8/14$

Right Out: 7.523 ± 0.651 $\chi^2/\text{NDF}: 270.6/18$

Left In: 2.466 ± 0.368 $\chi^2/\text{NDF}: 340.6/13$

Left: 2.514 ± 0.258 $\chi^2/\text{NDF}: 713.4/28$

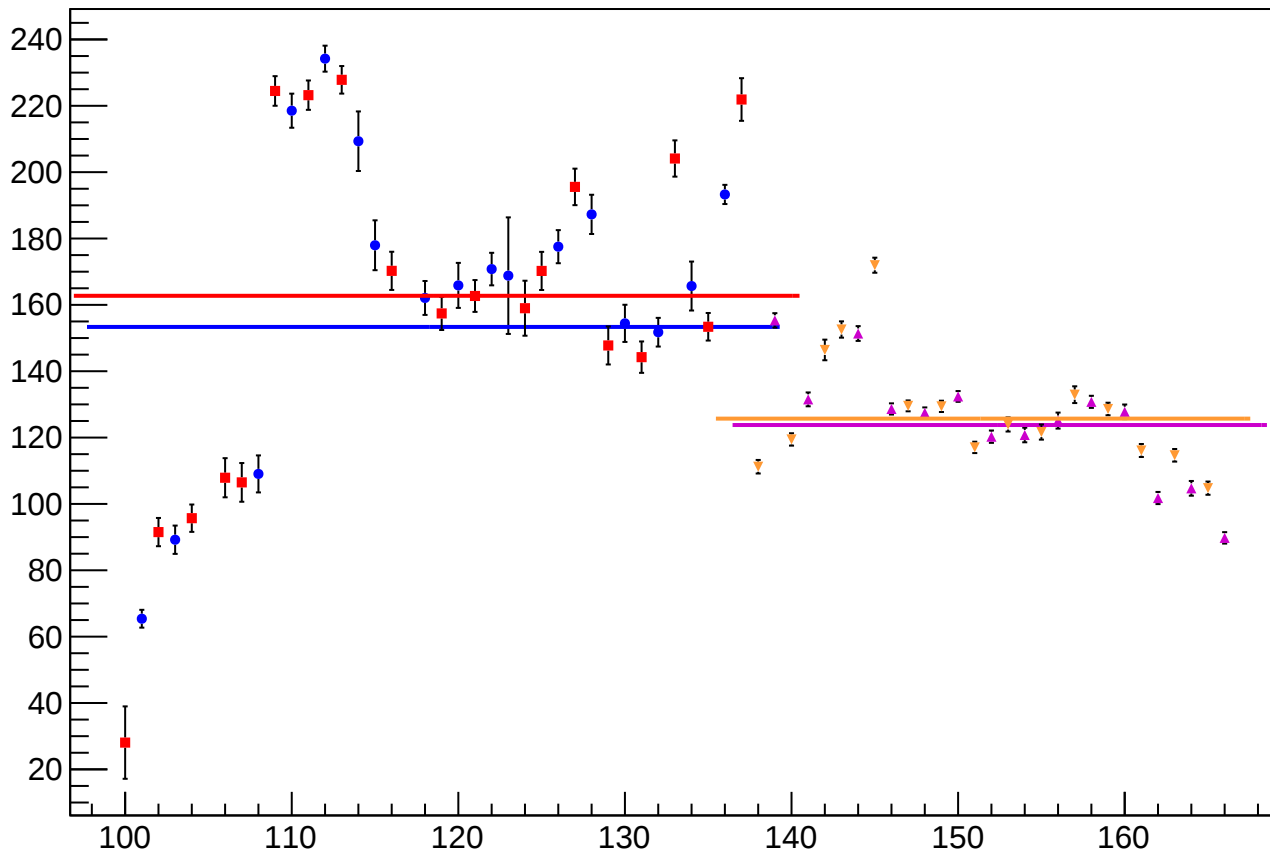
Right: 6.168 ± 0.452 $\chi^2/\text{NDF}: 574.4/35$

In: 3.091 ± 0.318 $\chi^2/\text{NDF}: 647.2/30$

Out: 3.727 ± 0.315 $\chi^2/\text{NDF}: 688.0/33$

All: 3.411 ± 0.224 $\chi^2/\text{NDF}: 1337.2/64$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 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: 123.786 $\pm$ 0.515 χ^2 /NDF:1049.9/13

Left: 124.738 $\pm$ 0.367 χ^2 /NDF: 1915.3/28

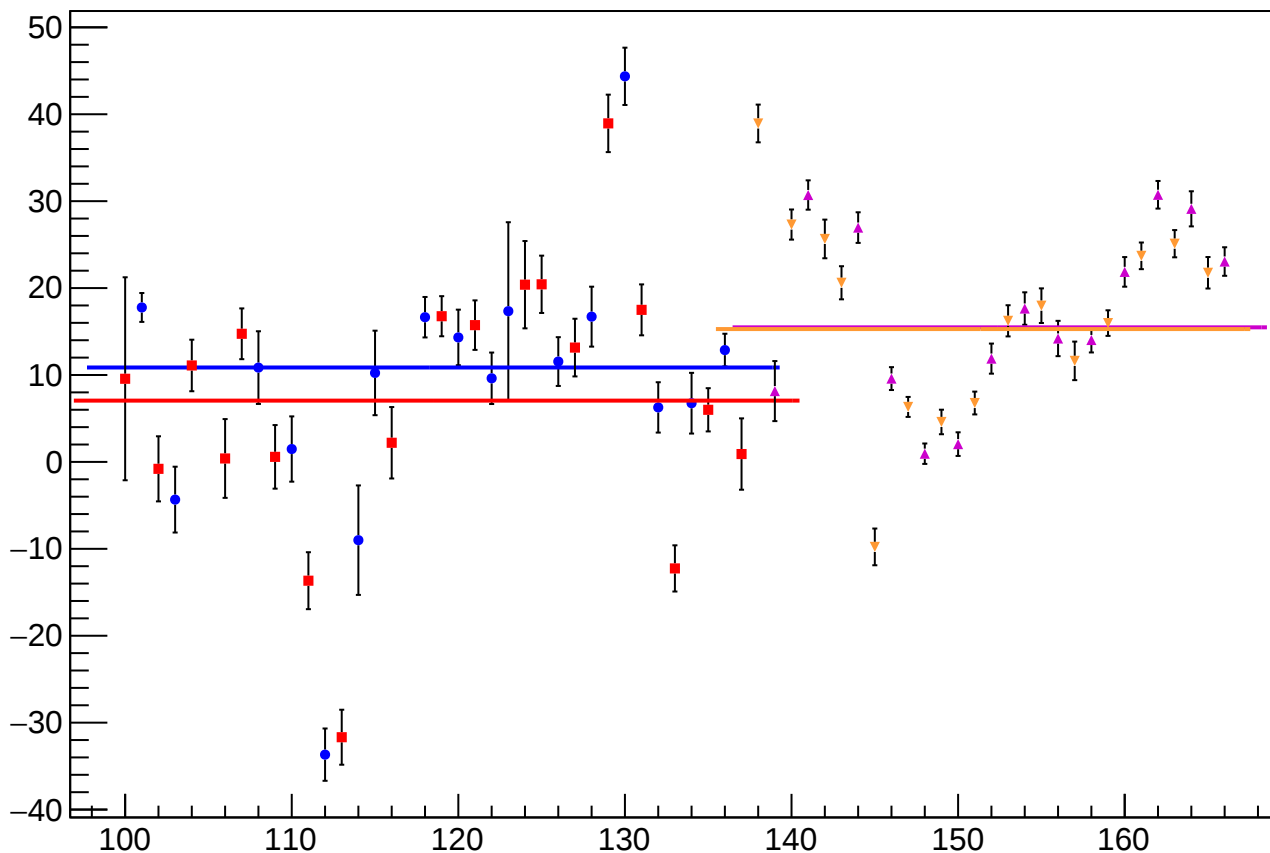
Right: 157.935 $\pm$ 0.823 χ^2 /NDF: 4009.6/35

In: 128.731 $\pm$ 0.470 χ^2 /NDF:3868.4/30

Out: 131.783 $\pm$ 0.477 χ^2 /NDF:3394.6/33

All: 130.237 $\pm$ 0.335 χ^2 /NDF: 7283.7/64

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 +/- 0.719 χ^2/NDF : 387.9/16

Left Out: 15.284 +/- 0.428 χ^2/NDF : 584.5/14

Right Out: 7.052 +/- 0.748 χ^2/NDF : 424.7/18

Left In: 15.483 +/- 0.434 χ^2/NDF : 579.3/13

Left: 15.383 +/- 0.305 χ^2/NDF : 1163.9/28

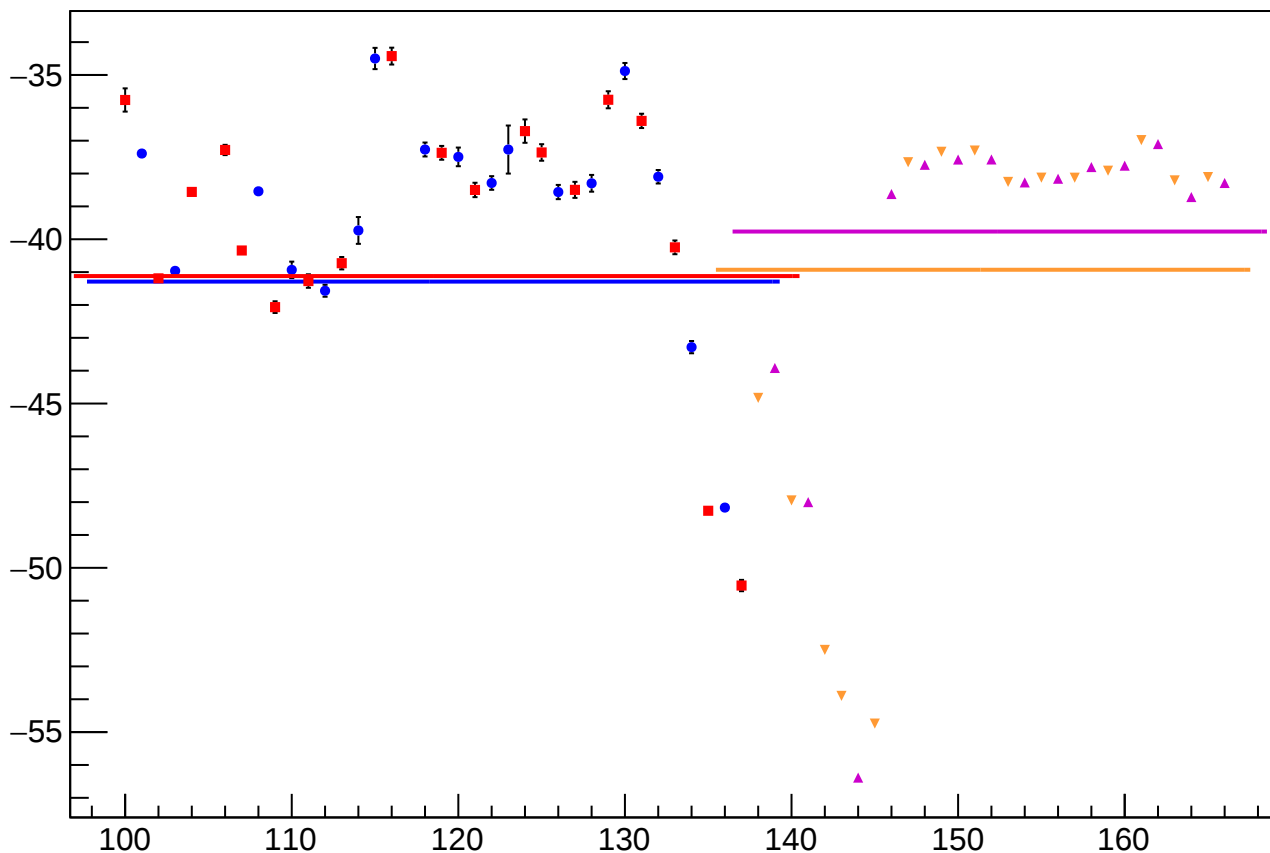
Right: 9.031 +/- 0.518 χ^2/NDF : 826.1/35

In: 14.250 +/- 0.372 χ^2/NDF : 997.5/30

Out: 13.250 +/- 0.372 χ^2/NDF : 1100.5/33

All: 13.750 +/- 0.263 χ^2/NDF : 2101.6/64

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -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: -39.765 ± 0.021 $\chi^2/\text{NDF}: 48558.0/13$

Left: -40.342 ± 0.015 $\chi^2/\text{NDF}: 126947.2/28$

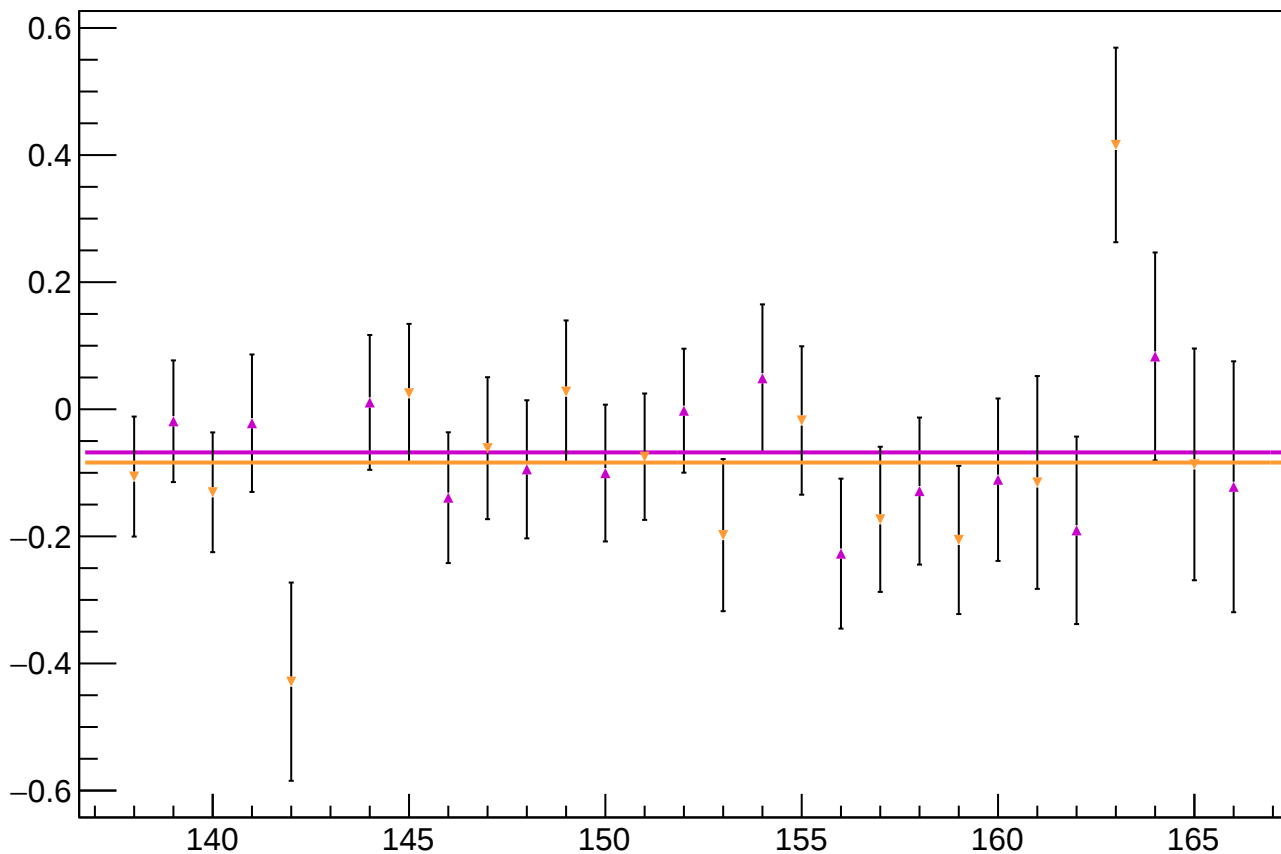
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24629.1/35$

In: -40.102 ± 0.018 $\chi^2/\text{NDF}: 62279.5/30$

Out: -40.971 ± 0.018 $\chi^2/\text{NDF}: 88933.8/33$

All: -40.534 ± 0.013 $\chi^2/\text{NDF}: 152351.9/64$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.084 $\pm$ 0.031 χ^2 /NDF:20.8/13

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

Left In: -0.068 $\pm$ 0.031 χ^2 /NDF:6.9/13

Left: -0.076 $\pm$ 0.022 χ^2 /NDF: 27.9/27

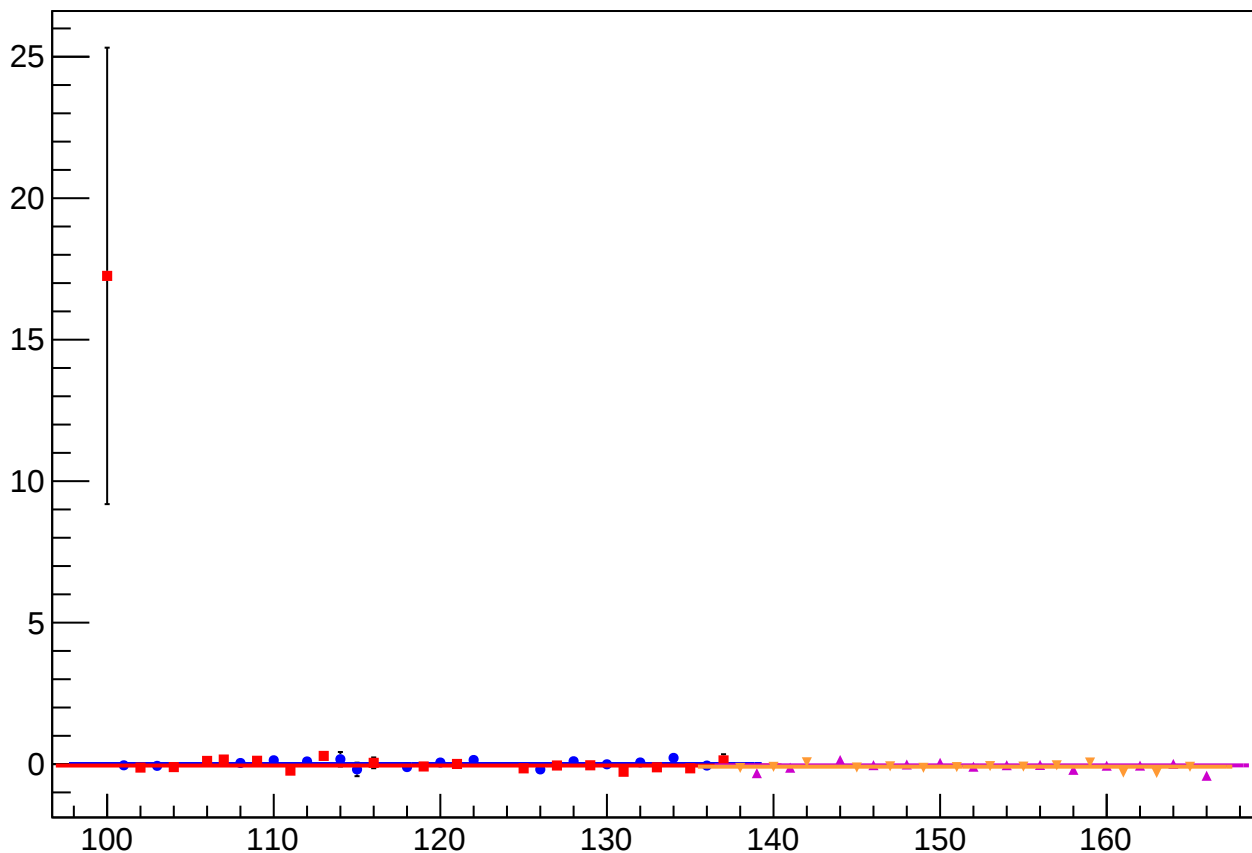
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.068 $\pm$ 0.031 χ^2 /NDF:6.9/13

Out: -0.084 $\pm$ 0.031 χ^2 /NDF:20.8/13

All: -0.076 $\pm$ 0.022 χ^2 /NDF: 27.9/27

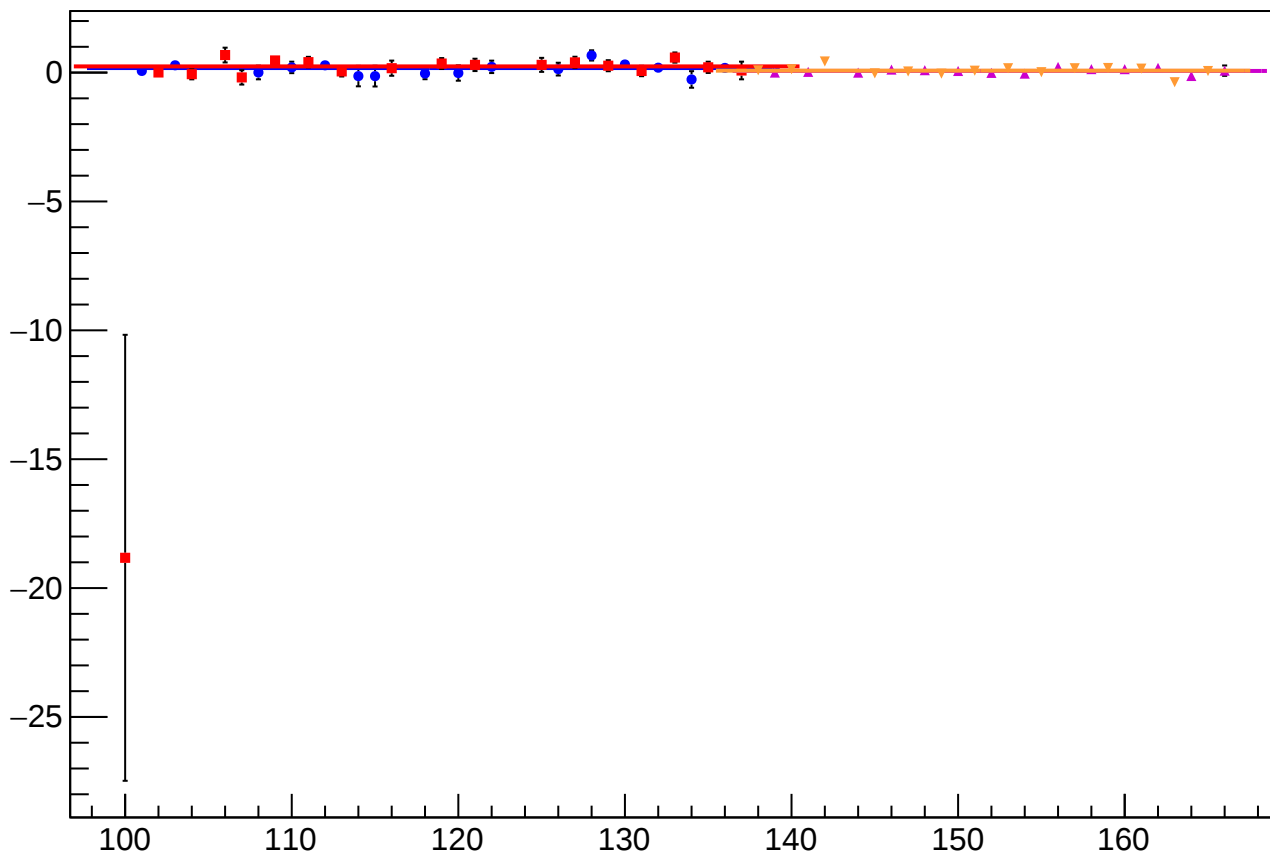
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 $\chi^2/\text{NDF}: 12.4/15$
 Left Out: -0.090 ± 0.022 $\chi^2/\text{NDF}: 13.7/13$
 Right Out: -0.050 ± 0.029 $\chi^2/\text{NDF}: 25.6/17$
 Left In: -0.044 ± 0.022 $\chi^2/\text{NDF}: 20.5/13$

Left: -0.067 ± 0.015 $\chi^2/\text{NDF}: 36.4/27$
 Right: -0.023 ± 0.020 $\chi^2/\text{NDF}: 39.7/33$
 In: -0.027 ± 0.017 $\chi^2/\text{NDF}: 34.6/29$
 Out: -0.076 ± 0.017 $\chi^2/\text{NDF}: 40.5/31$
 All: -0.051 ± 0.012 $\chi^2/\text{NDF}: 79.2/61$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.074 $\pm$ 0.031 χ^2 /NDF:19.2/13

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

Left In: 0.063 $\pm$ 0.030 χ^2 /NDF:7.7/13

Left: 0.069 $\pm$ 0.022 χ^2 /NDF: 27.0/27

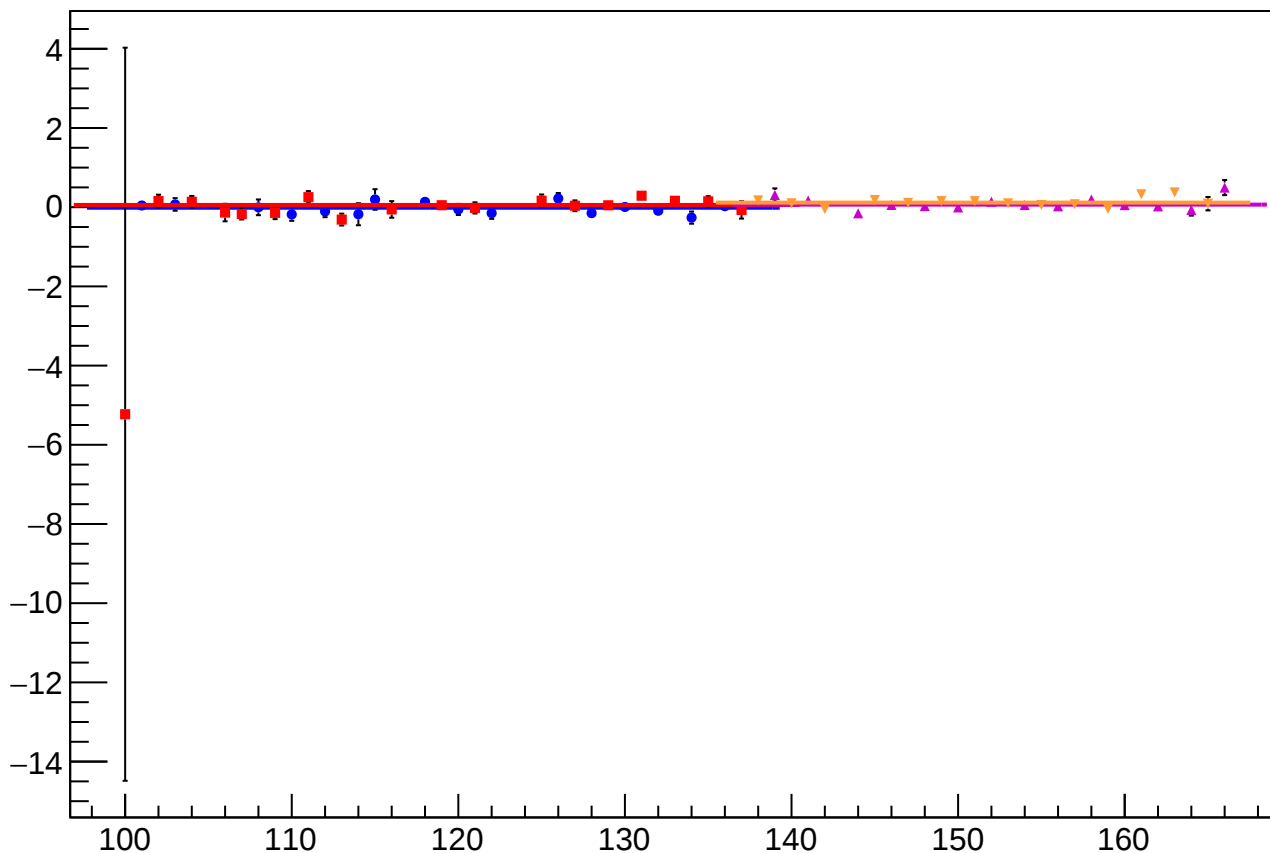
Right: 0.207 $\pm$ 0.038 χ^2 /NDF: 35.3/33

In: 0.091 $\pm$ 0.026 χ^2 /NDF:24.2/29

Out: 0.115 $\pm$ 0.027 χ^2 /NDF:47.9/31

All: 0.103 $\pm$ 0.019 χ^2 /NDF: 72.5/61

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.116 ± 0.026 χ^2/NDF : 14.5/13

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.064 ± 0.026 χ^2/NDF : 19.8/13

Left: 0.090 ± 0.018 χ^2/NDF : 36.2/27

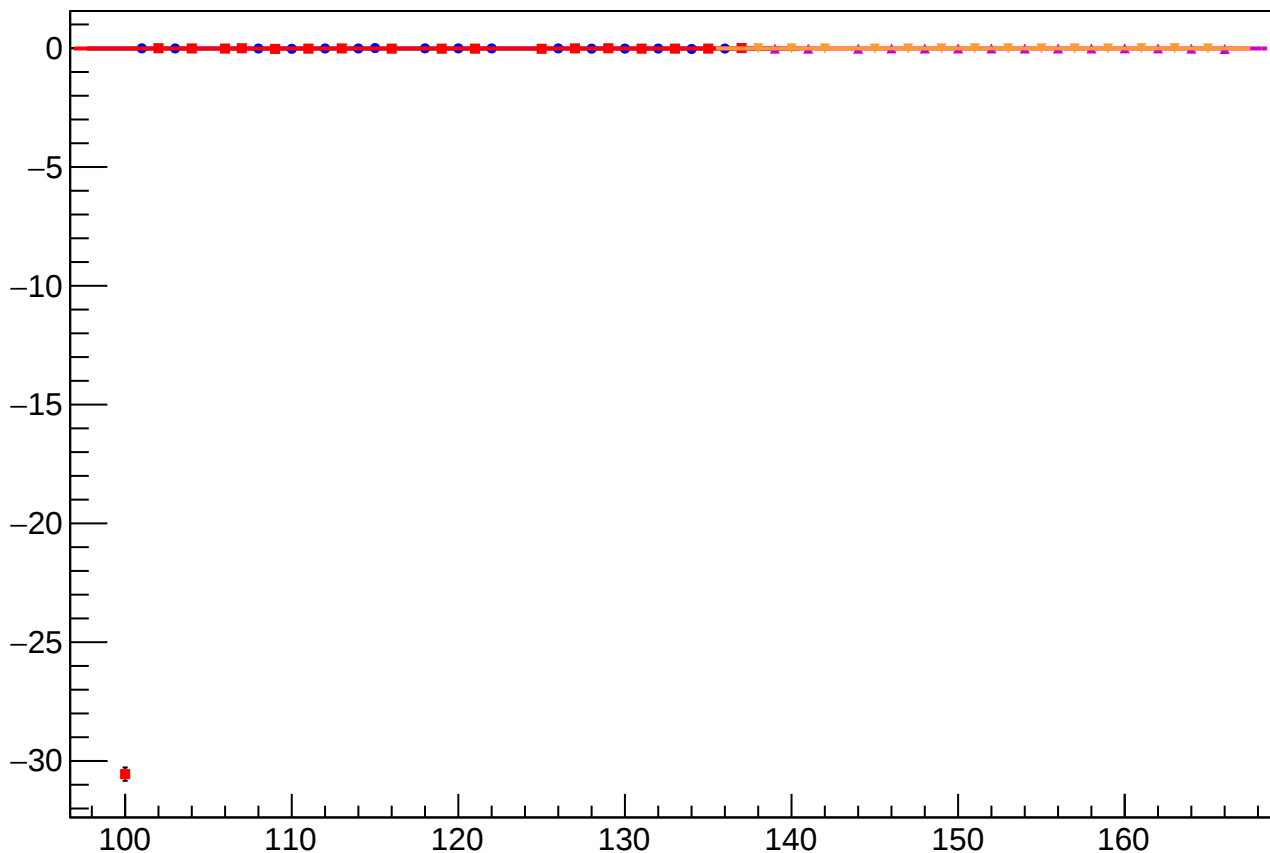
Right: 0.021 ± 0.024 χ^2/NDF : 36.2/33

In: 0.035 ± 0.020 χ^2/NDF : 36.9/29

Out: 0.094 ± 0.021 χ^2/NDF : 36.7/31

All: 0.064 ± 0.014 χ^2/NDF : 77.8/61

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF: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:16.3/13

Left: -0.010 $\pm$ 0.001 χ^2 /NDF: 31.1/27

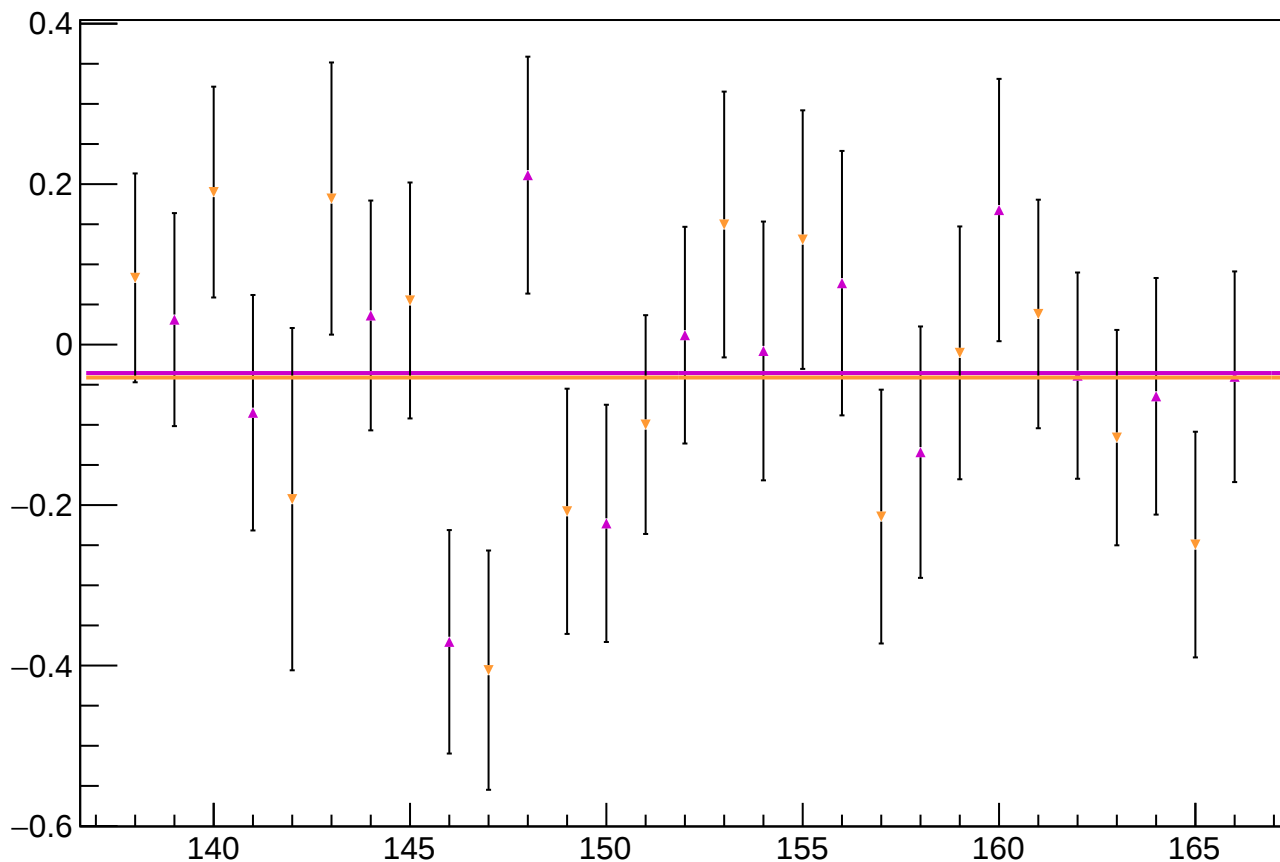
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11904.1/33

In: -0.011 $\pm$ 0.001 χ^2 /NDF:29.3/29

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11906.8/31

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11937.7/61

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.041 $\pm$ 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 $\pm$ 0.039 χ^2 /NDF:13.4/13

Left: -0.038 $\pm$ 0.027 χ^2 /NDF: 33.9/28

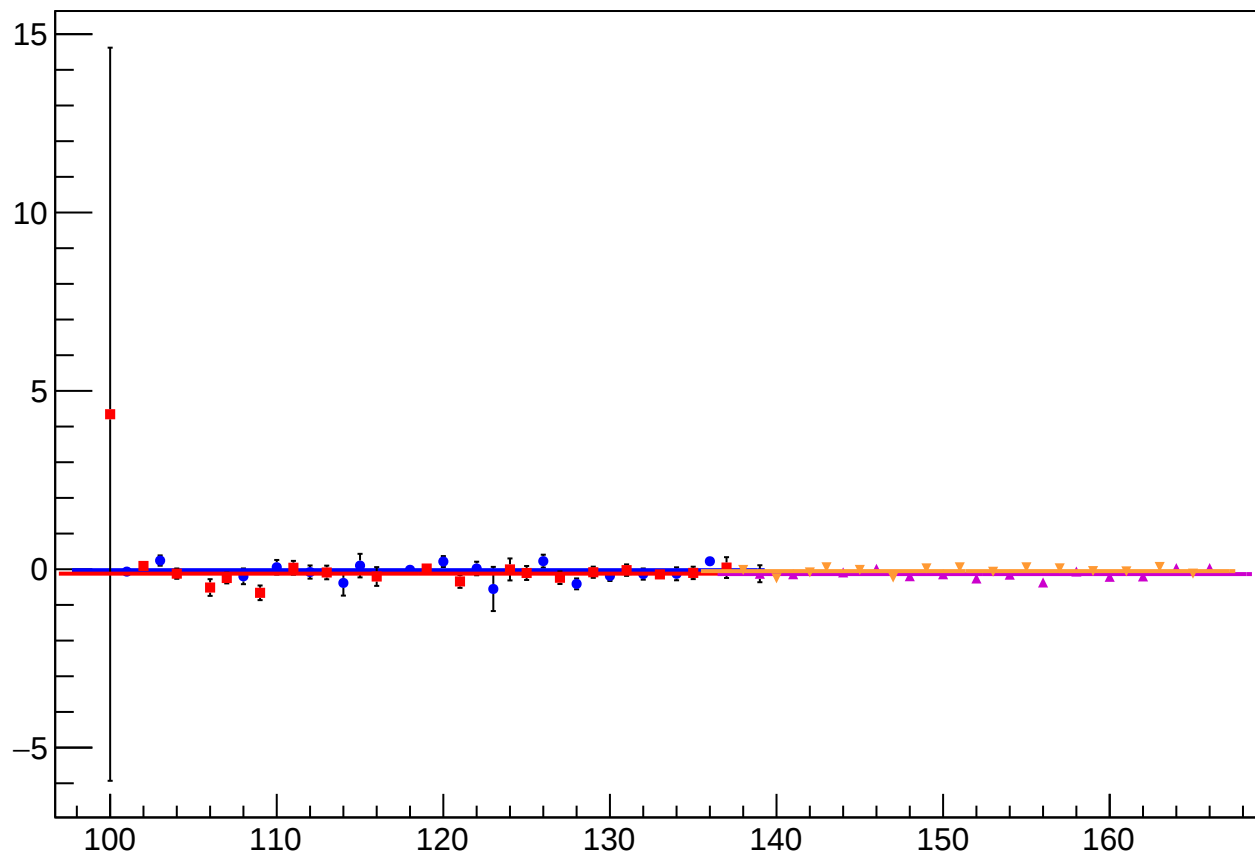
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.035 $\pm$ 0.039 χ^2 /NDF:13.4/13

Out: -0.041 $\pm$ 0.039 χ^2 /NDF:20.5/14

All: -0.038 $\pm$ 0.027 χ^2 /NDF: 33.9/28

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -0.136 ± 0.028 χ^2/NDF : 15.1/13

Left: -0.093 ± 0.019 χ^2/NDF : 36.0/28

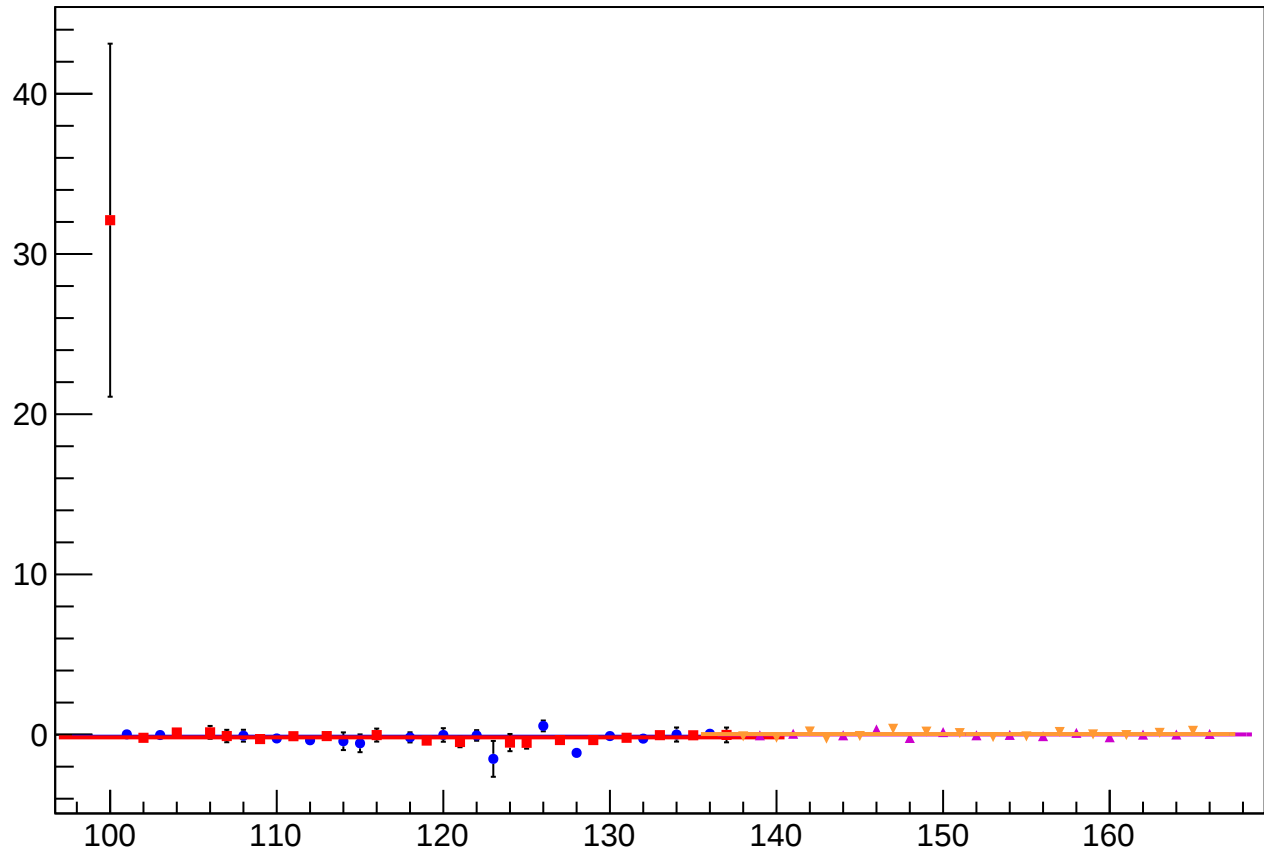
Right: -0.072 ± 0.027 χ^2/NDF : 44.3/35

In: -0.096 ± 0.022 χ^2/NDF : 43.4/30

Out: -0.075 ± 0.022 χ^2/NDF : 36.9/33

All: -0.086 ± 0.016 χ^2/NDF : 80.7/64

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 $\chi^2/\text{NDF}: 23.1/16$

Left Out: 0.034 ± 0.038 $\chi^2/\text{NDF}: 20.0/14$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 14.9/18$

Left In: 0.011 ± 0.038 $\chi^2/\text{NDF}: 12.0/13$

Left: 0.023 ± 0.027 $\chi^2/\text{NDF}: 32.2/28$

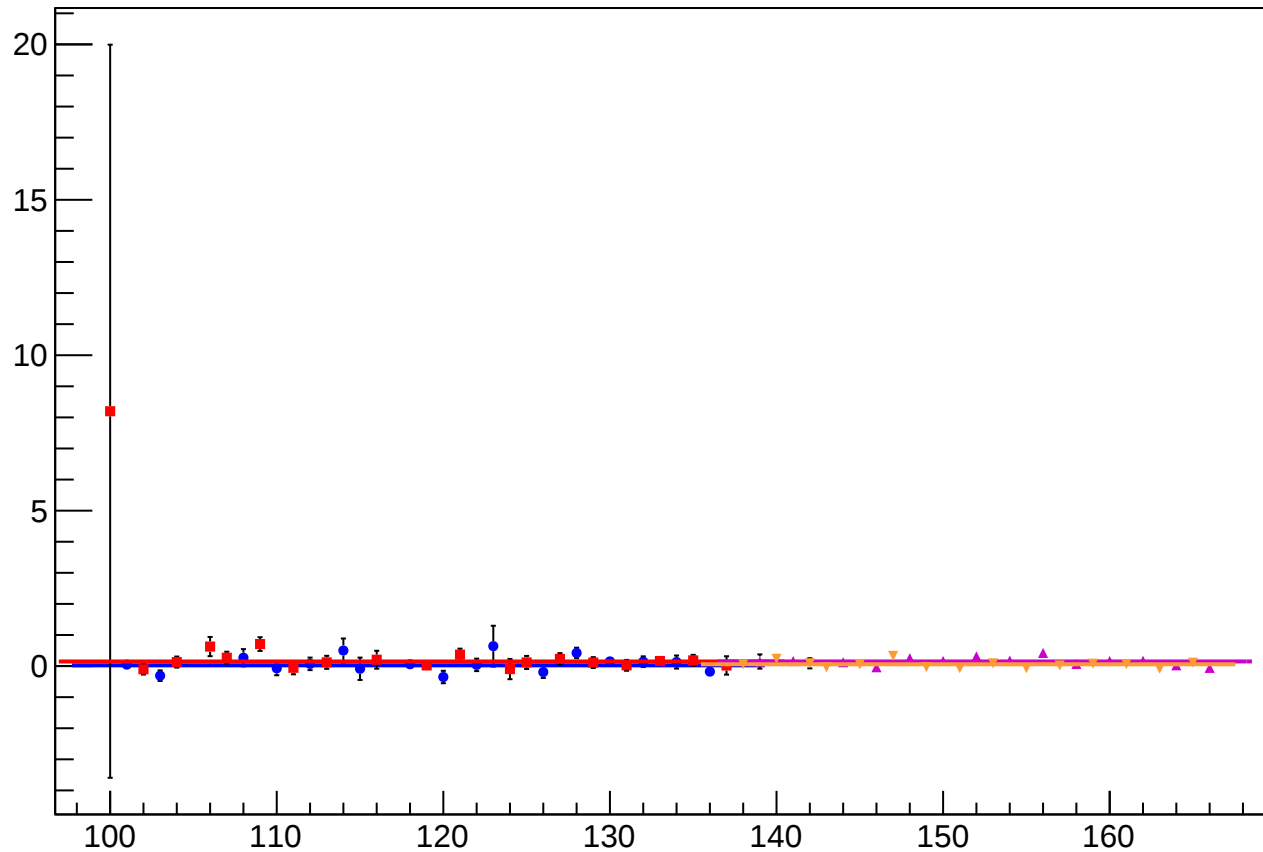
Right: -0.150 ± 0.049 $\chi^2/\text{NDF}: 38.2/35$

In: -0.023 ± 0.033 $\chi^2/\text{NDF}: 38.4/30$

Out: -0.011 ± 0.033 $\chi^2/\text{NDF}: 41.5/33$

All: -0.017 ± 0.023 $\chi^2/\text{NDF}: 80.0/64$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.058+/-0.032 χ^2/NDF :15.3/14

Right Out: 0.148+/-0.045 χ^2/NDF : 16.6/18

Left In: 0.149+/-0.032 χ^2/NDF :14.7/13

Left: 0.102+/-0.023 χ^2/NDF : 34.1/28

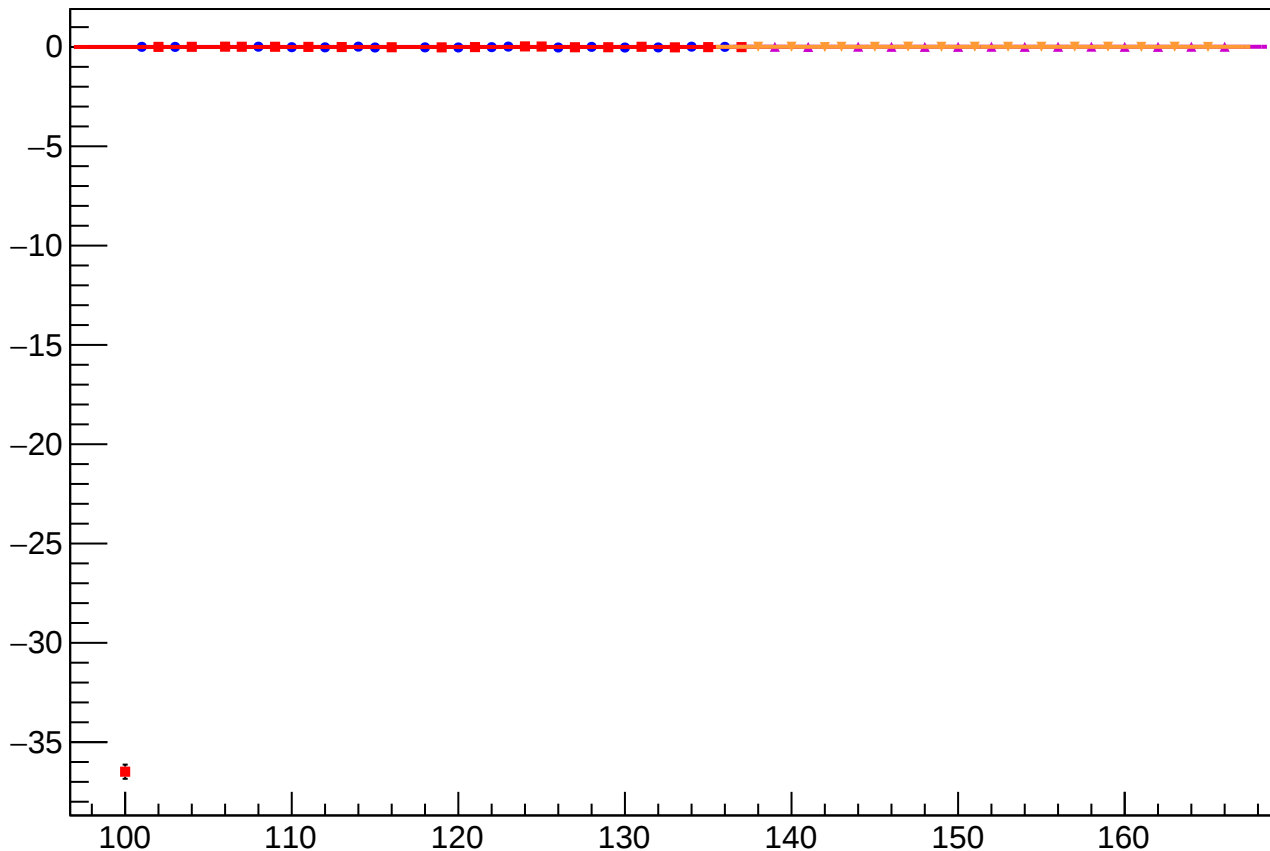
Right: 0.082+/-0.031 χ^2/NDF : 41.9/35

In: 0.103+/-0.026 χ^2/NDF :41.6/30

Out: 0.087+/-0.026 χ^2/NDF :34.6/33

All: 0.095+/-0.018 χ^2/NDF : 76.3/64

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.010 $\pm$ 0.001 χ^2 /NDF: 8.8/14

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.011 $\pm$ 0.001 χ^2 /NDF: 5.7/13

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 14.7/28

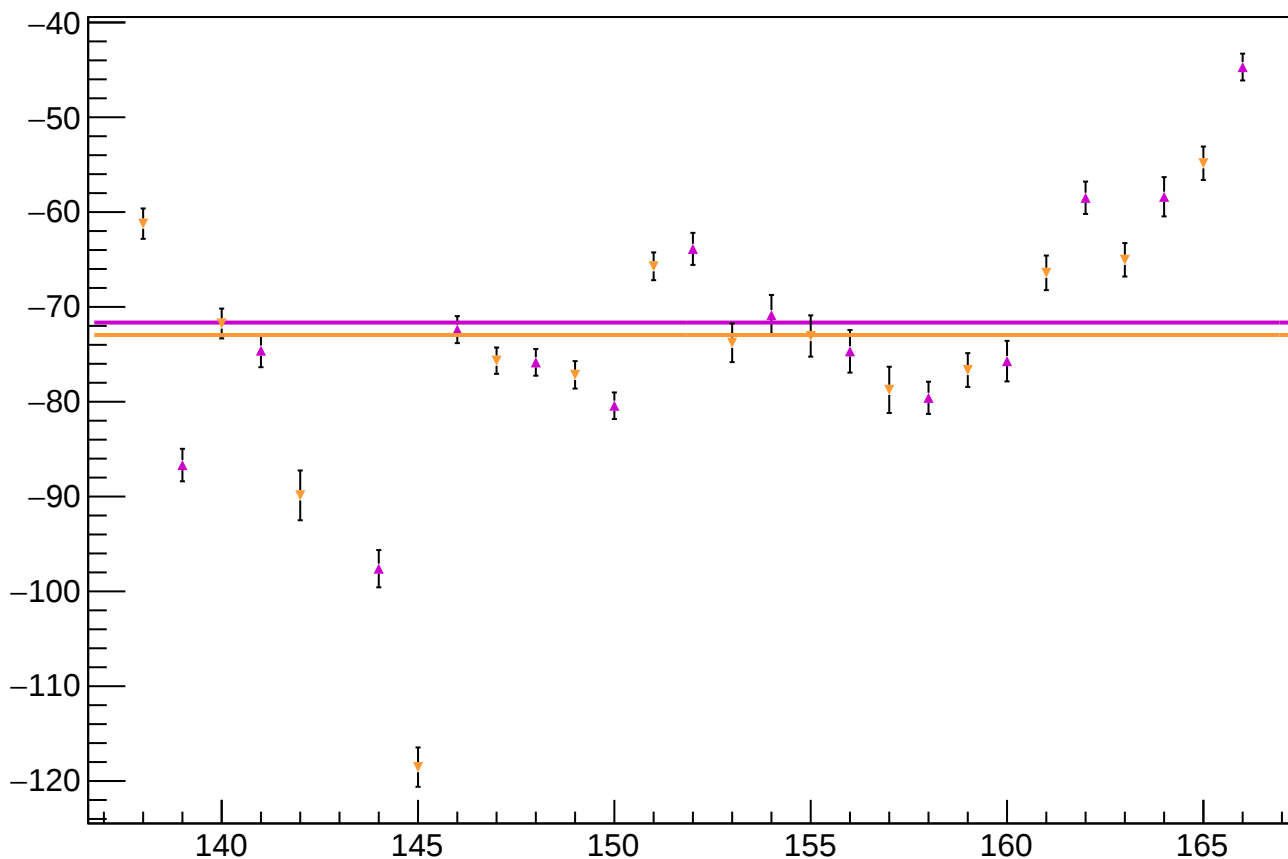
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF: 49.2/30

Out: 0.007 $\pm$ 0.001 χ^2 /NDF: 10468.7/33

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10518.1/64

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -72.963+/-0.471 χ^2/NDF : 763.6/13

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

Left In: -71.651+/-0.454 χ^2/NDF : 815.5/13

Left: -72.283+/-0.327 χ^2/NDF : 1583.1/27

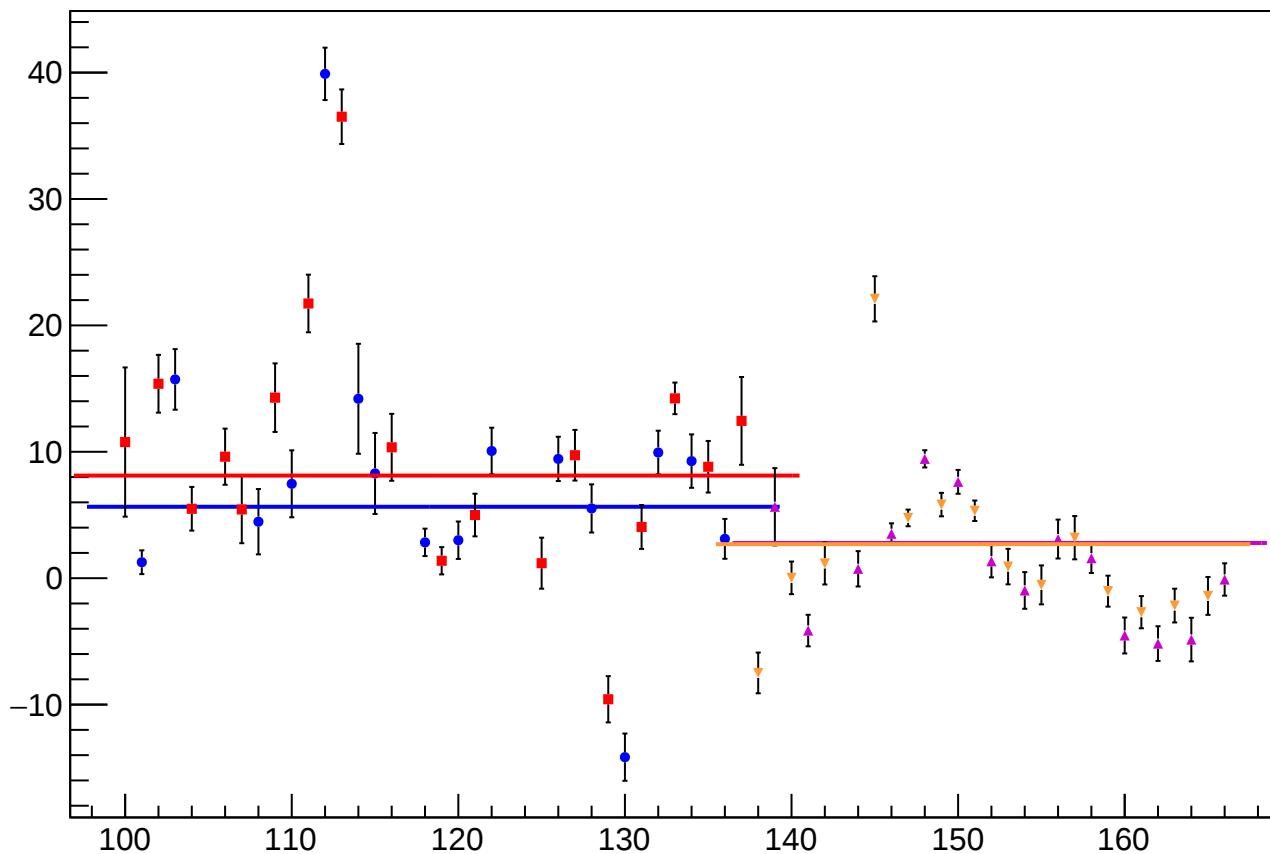
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -71.651+/-0.454 χ^2/NDF : 815.5/13

Out: -72.963+/-0.471 χ^2/NDF : 763.6/13

All: -72.283+/-0.327 χ^2/NDF : 1583.1/27

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 2.786 ± 0.313 χ^2/NDF : 250.0/13

Left: 2.739 ± 0.221 χ^2/NDF : 498.8/27

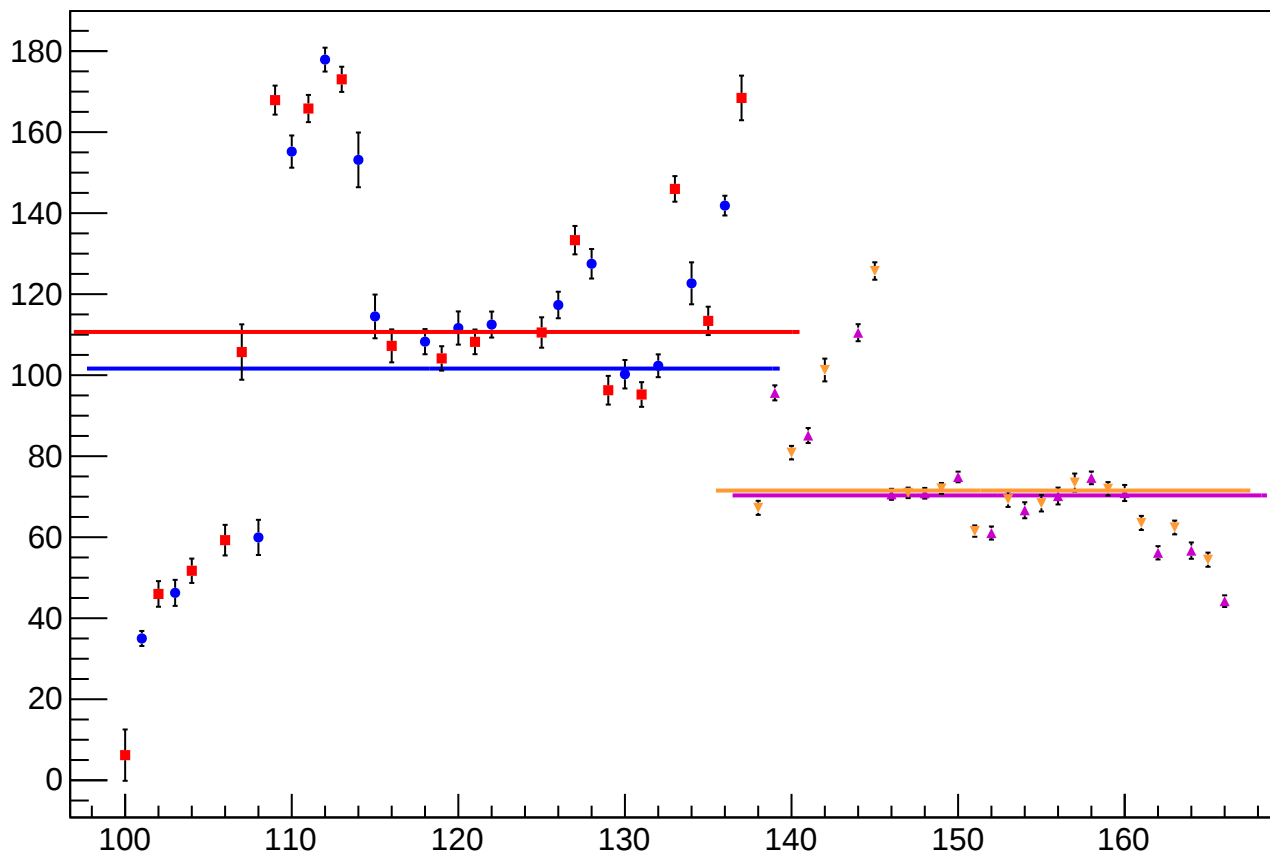
Right: 6.819 ± 0.311 χ^2/NDF : 885.4/33

In: 3.781 ± 0.253 χ^2/NDF : 741.0/29

Out: 4.448 ± 0.257 χ^2/NDF : 753.9/31

All: 4.108 ± 0.180 χ^2/NDF : 1498.3/61

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 71.523 $\pm$ 0.458 χ^2 /NDF: 983.2/13

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

Left In: 70.318 $\pm$ 0.441 χ^2 /NDF: 1119.6/13

Left: 70.898 $\pm$ 0.318 χ^2 /NDF: 2106.4/27

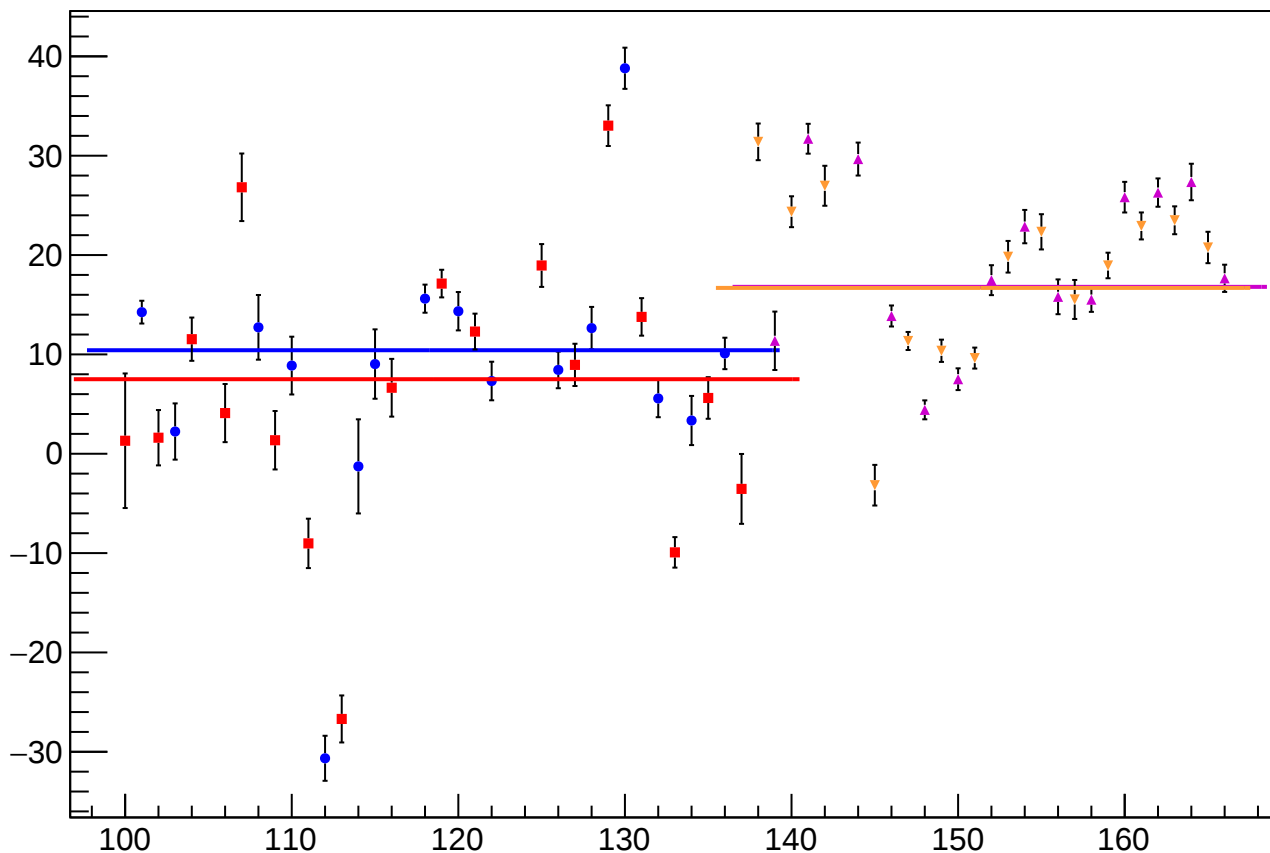
Right: 106.018 $\pm$ 0.583 χ^2 /NDF: 5554.3/33

In: 77.461 $\pm$ 0.388 χ^2 /NDF: 5247.4/29

Out: 80.555 $\pm$ 0.402 χ^2 /NDF: 5183.6/31

All: 78.954 $\pm$ 0.279 χ^2 /NDF: 10461.7/61

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 16.693 ± 0.375 $\chi^2/\text{NDF}: 388.0/13$

Right Out: 7.502 ± 0.523 $\chi^2/\text{NDF}: 689.4/17$

Left In: 16.799 ± 0.371 $\chi^2/\text{NDF}: 536.9/13$

Left: 16.746 ± 0.264 $\chi^2/\text{NDF}: 924.9/27$

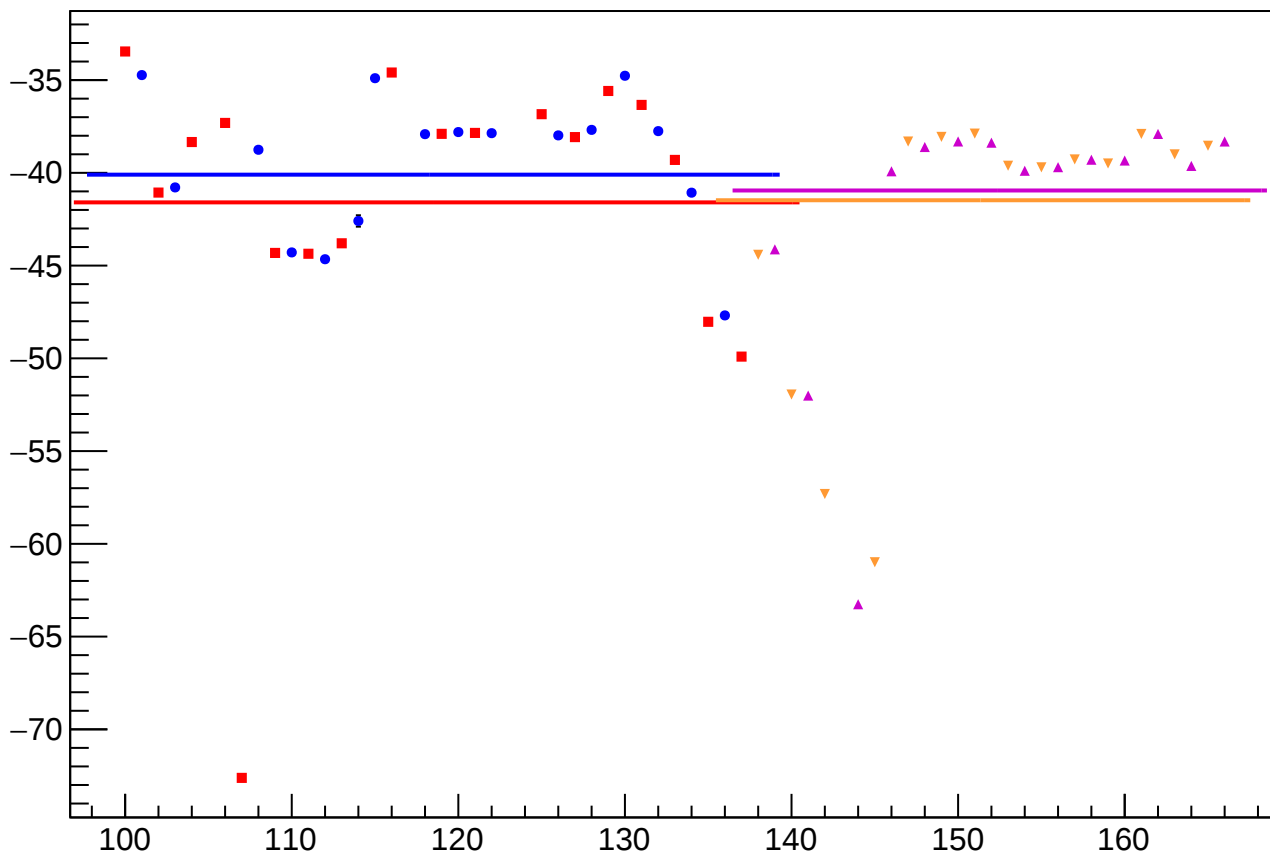
Right: 9.035 ± 0.360 $\chi^2/\text{NDF}: 1285.5/33$

In: 14.520 ± 0.297 $\chi^2/\text{NDF}: 1222.3/29$

Out: 13.578 ± 0.305 $\chi^2/\text{NDF}: 1281.4/31$

All: 14.060 ± 0.213 $\chi^2/\text{NDF}: 2508.6/61$

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -41.478 ± 0.018 $\chi^2/\text{NDF}: 113194.1/13$

Right Out: -41.592 ± 0.029 $\chi^2/\text{NDF}: 61677.7/17$

Left In: -40.951 ± 0.018 $\chi^2/\text{NDF}: 94364.1/13$

Left: -41.205 ± 0.013 $\chi^2/\text{NDF}: 207986.2/27$

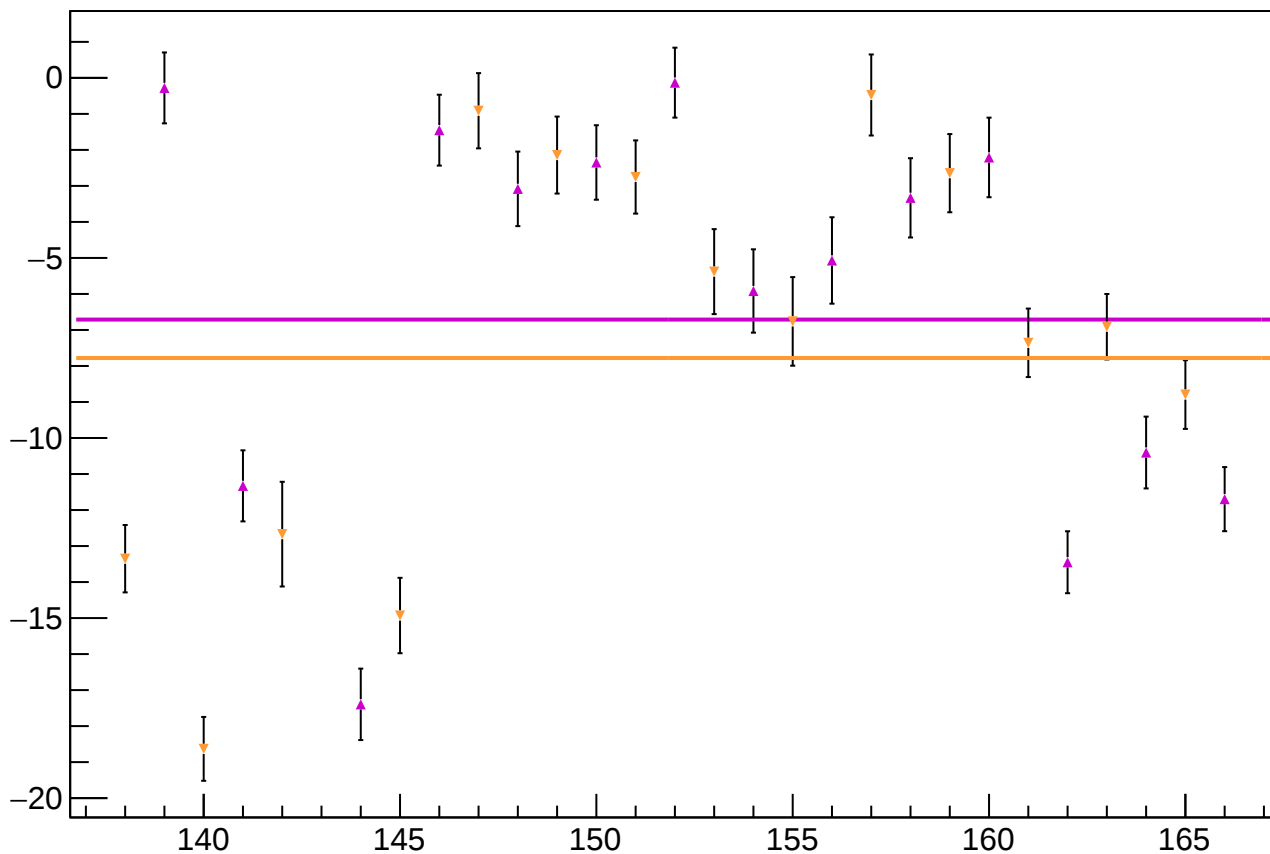
Right: -40.838 ± 0.020 $\chi^2/\text{NDF}: 88129.3/33$

In: -40.712 ± 0.015 $\chi^2/\text{NDF}: 120089.4/29$

Out: -41.511 ± 0.015 $\chi^2/\text{NDF}: 174883.2/31$

All: -41.100 ± 0.011 $\chi^2/\text{NDF}: 296352.6/61$

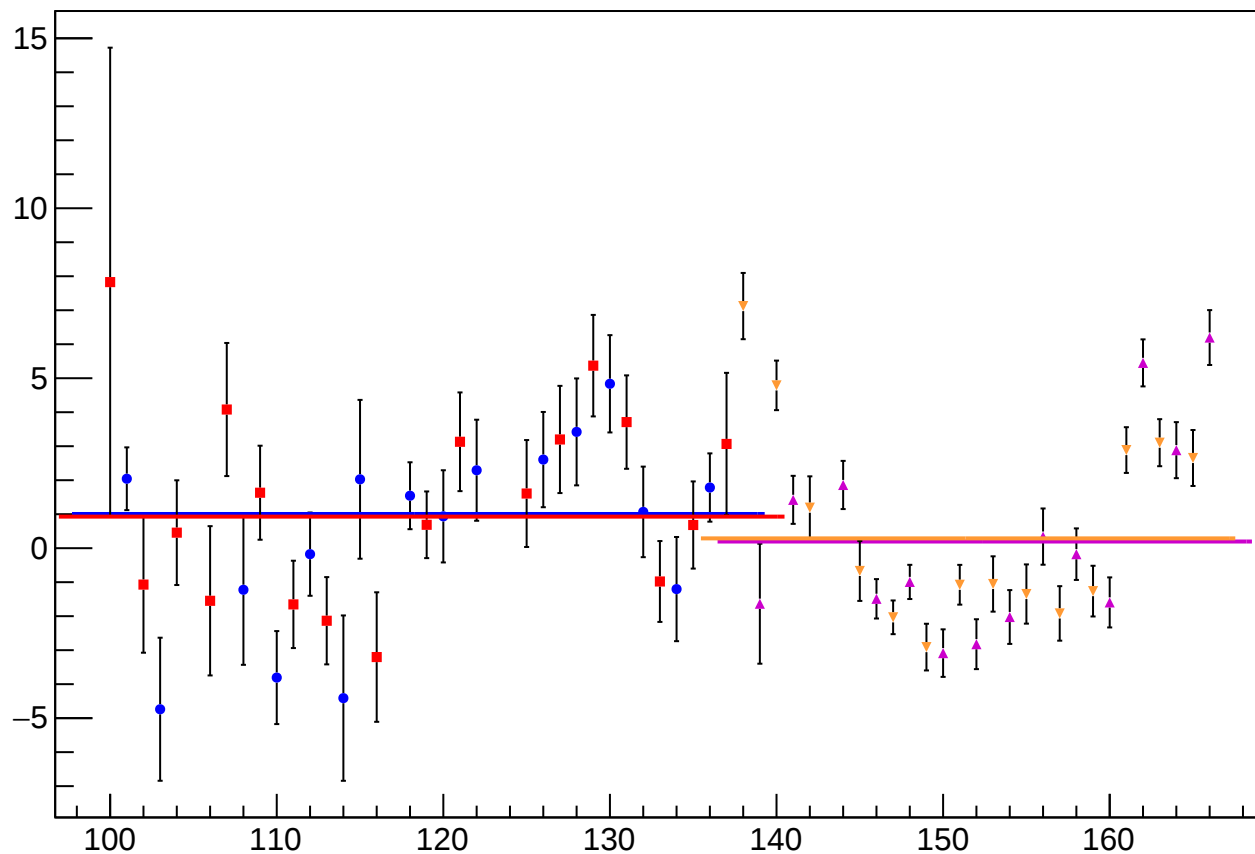
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -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: -6.711 $\pm$ 0.270 χ^2 /NDF:420.0/13

Left: -7.230 $\pm$ 0.193 χ^2 /NDF: 838.0/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.711 $\pm$ 0.270 χ^2 /NDF:420.0/13
 Out: -7.779 $\pm$ 0.277 χ^2 /NDF:410.3/13
 All: -7.230 $\pm$ 0.193 χ^2 /NDF: 838.0/27

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.196 ± 0.193 $\chi^2/\text{NDF}: 200.3/13$

Left: 0.242 ± 0.137 $\chi^2/\text{NDF}: 396.8/27$

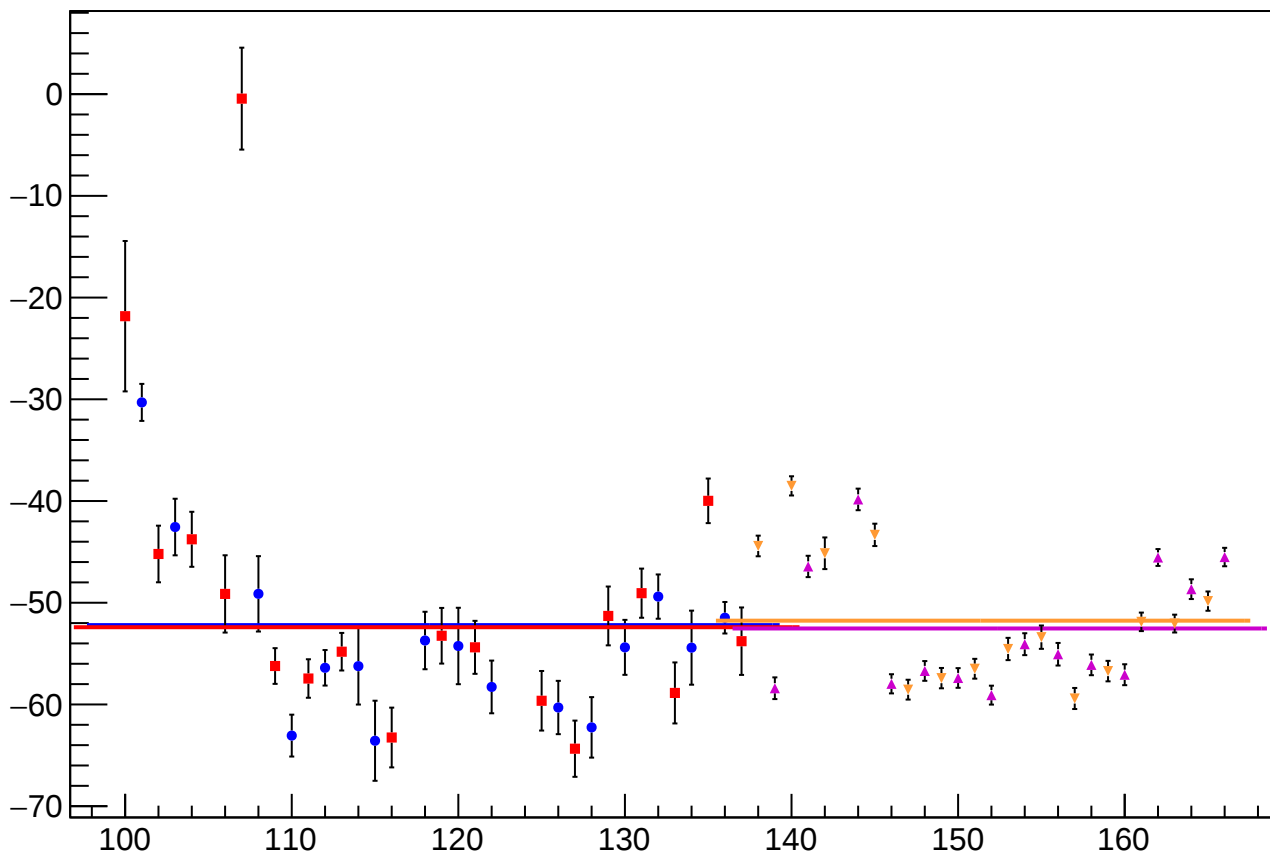
Right: 0.969 ± 0.246 $\chi^2/\text{NDF}: 84.6/33$

In: 0.392 ± 0.168 $\chi^2/\text{NDF}: 247.3/29$

Out: 0.437 ± 0.170 $\chi^2/\text{NDF}: 240.8/31$

All: 0.414 ± 0.120 $\chi^2/\text{NDF}: 488.1/61$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.763 ± 0.271 χ^2/NDF : 521.6/13

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

Left In: -52.531 ± 0.263 χ^2/NDF : 520.1/13

Left: -52.158 ± 0.189 χ^2/NDF : 1045.8/27

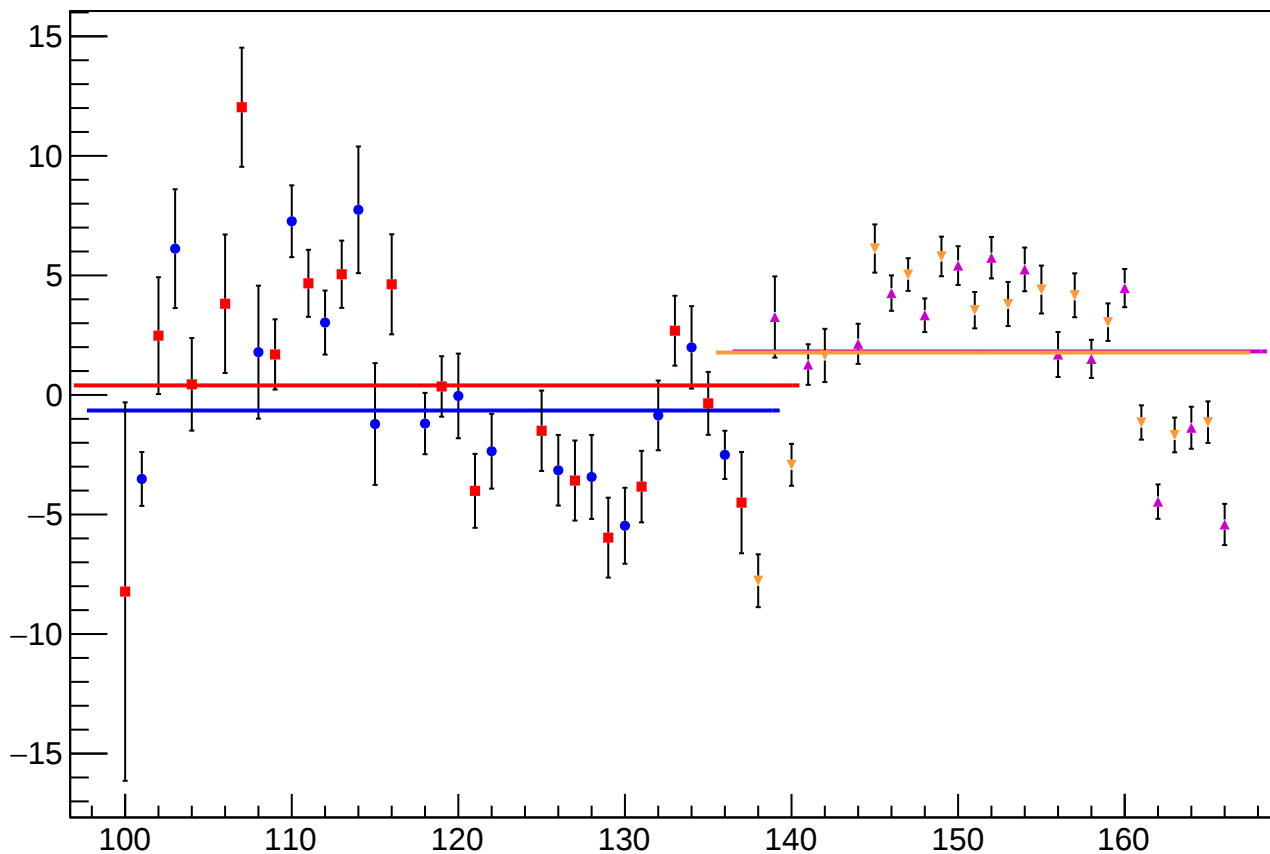
Right: -52.303 ± 0.435 χ^2/NDF : 464.6/33

In: -52.480 ± 0.242 χ^2/NDF : 750.9/29

Out: -51.867 ± 0.248 χ^2/NDF : 756.4/31

All: -52.181 ± 0.173 χ^2/NDF : 1510.5/61

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 1.774 ± 0.227 χ^2/NDF : 245.2/13

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

Left In: 1.821 ± 0.224 χ^2/NDF : 241.9/13

Left: 1.798 ± 0.160 χ^2/NDF : 487.2/27

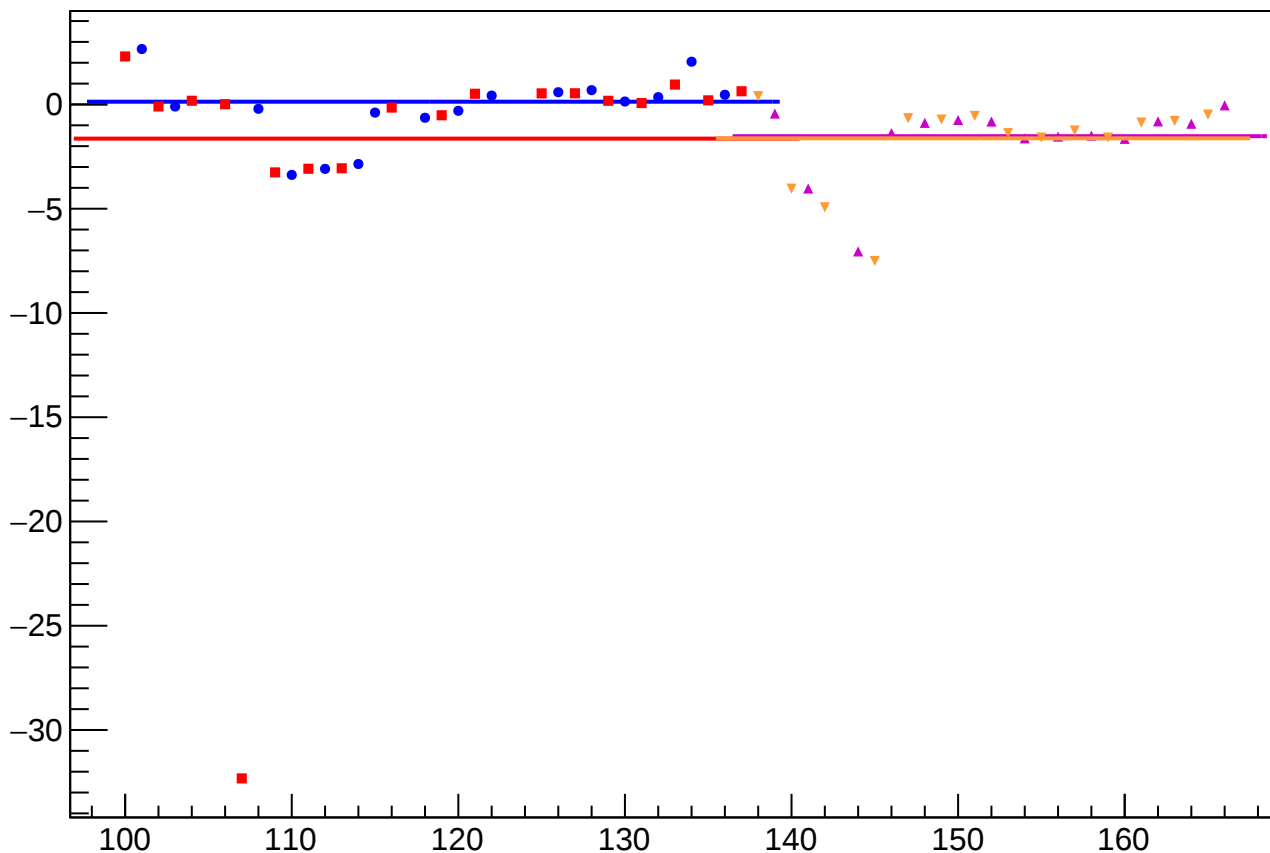
Right: -0.142 ± 0.278 χ^2/NDF : 181.4/33

In: 1.199 ± 0.194 χ^2/NDF : 354.4/29

Out: 1.438 ± 0.197 χ^2/NDF : 350.1/31

All: 1.317 ± 0.138 χ^2/NDF : 705.2/61

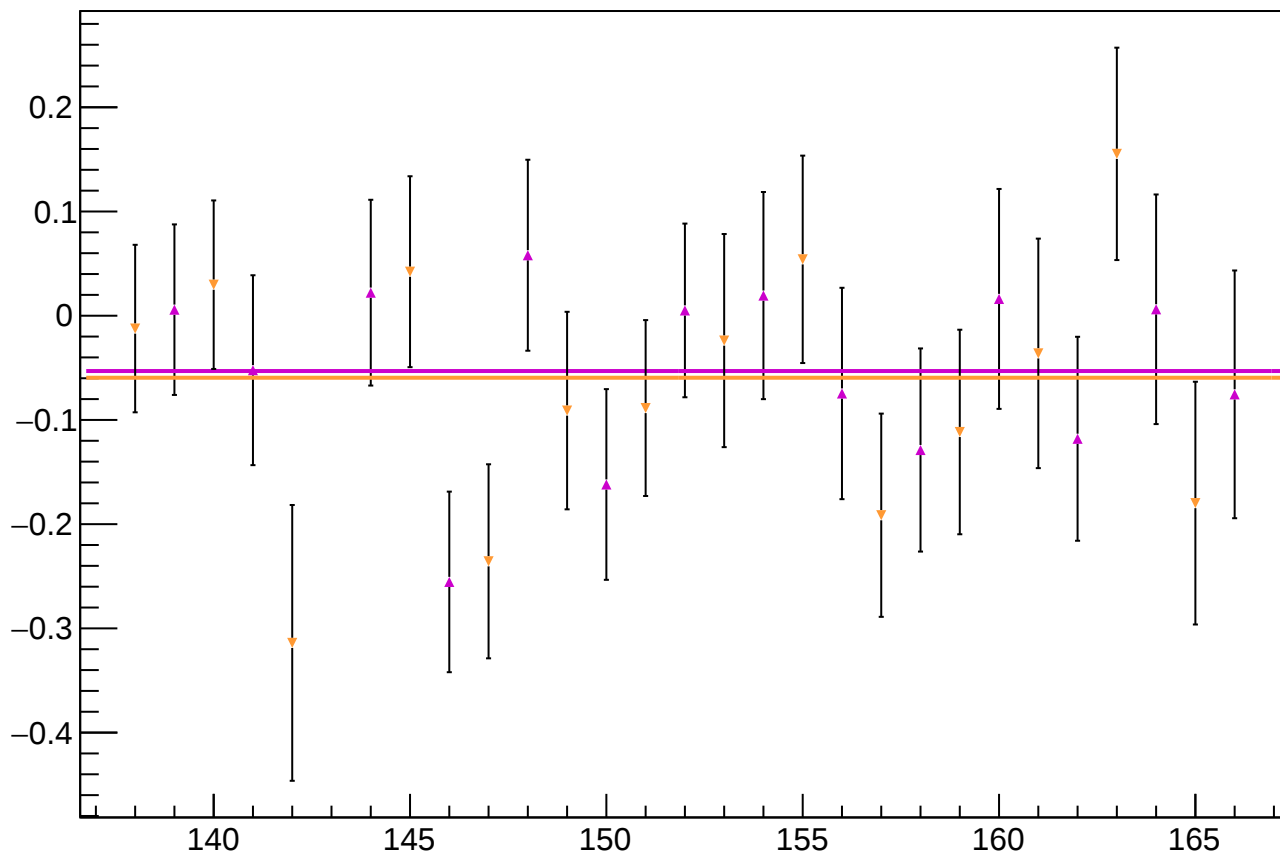
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$
 Left Out: -1.626 ± 0.011 $\chi^2/\text{NDF}: 30991.1/13$
 Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$
 Left In: -1.522 ± 0.010 $\chi^2/\text{NDF}: 21605.5/13$

Left: -1.573 ± 0.007 $\chi^2/\text{NDF}: 52645.3/27$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86422.1/33$
 In: -1.209 ± 0.009 $\chi^2/\text{NDF}: 31623.1/29$
 Out: -1.628 ± 0.010 $\chi^2/\text{NDF}: 108839.6/31$
 All: -1.414 ± 0.007 $\chi^2/\text{NDF}: 141440.7/61$

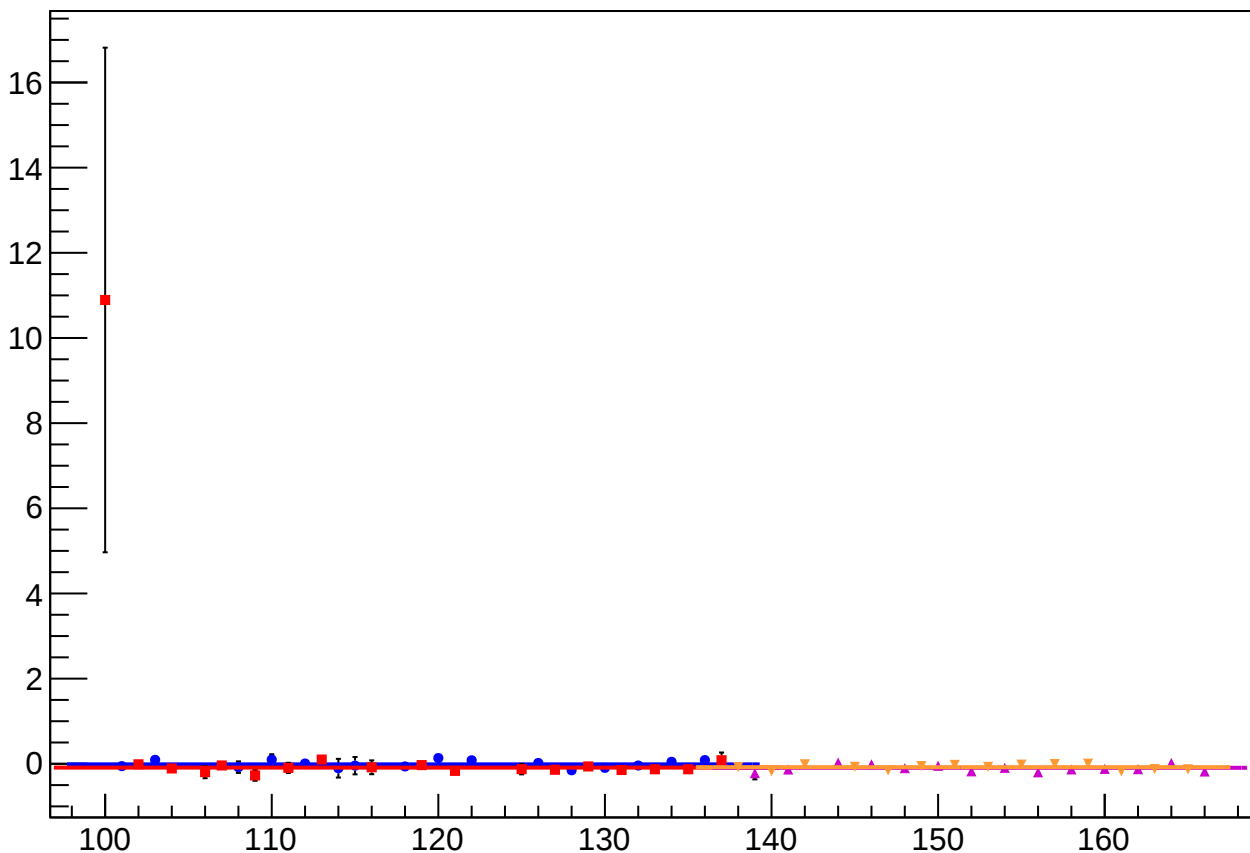
reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.060 $\pm$ 0.026 χ^2 /NDF:19.4/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.053 $\pm$ 0.025 χ^2 /NDF:12.4/13

Left: -0.056 $\pm$ 0.018 χ^2 /NDF: 31.9/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.053 $\pm$ 0.025 χ^2 /NDF:12.4/13
 Out: -0.060 $\pm$ 0.026 χ^2 /NDF:19.4/13
 All: -0.056 $\pm$ 0.018 χ^2 /NDF: 31.9/27

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -0.094 ± 0.018 χ^2/NDF : 14.8/13

Left: -0.087 ± 0.013 χ^2/NDF : 27.8/27

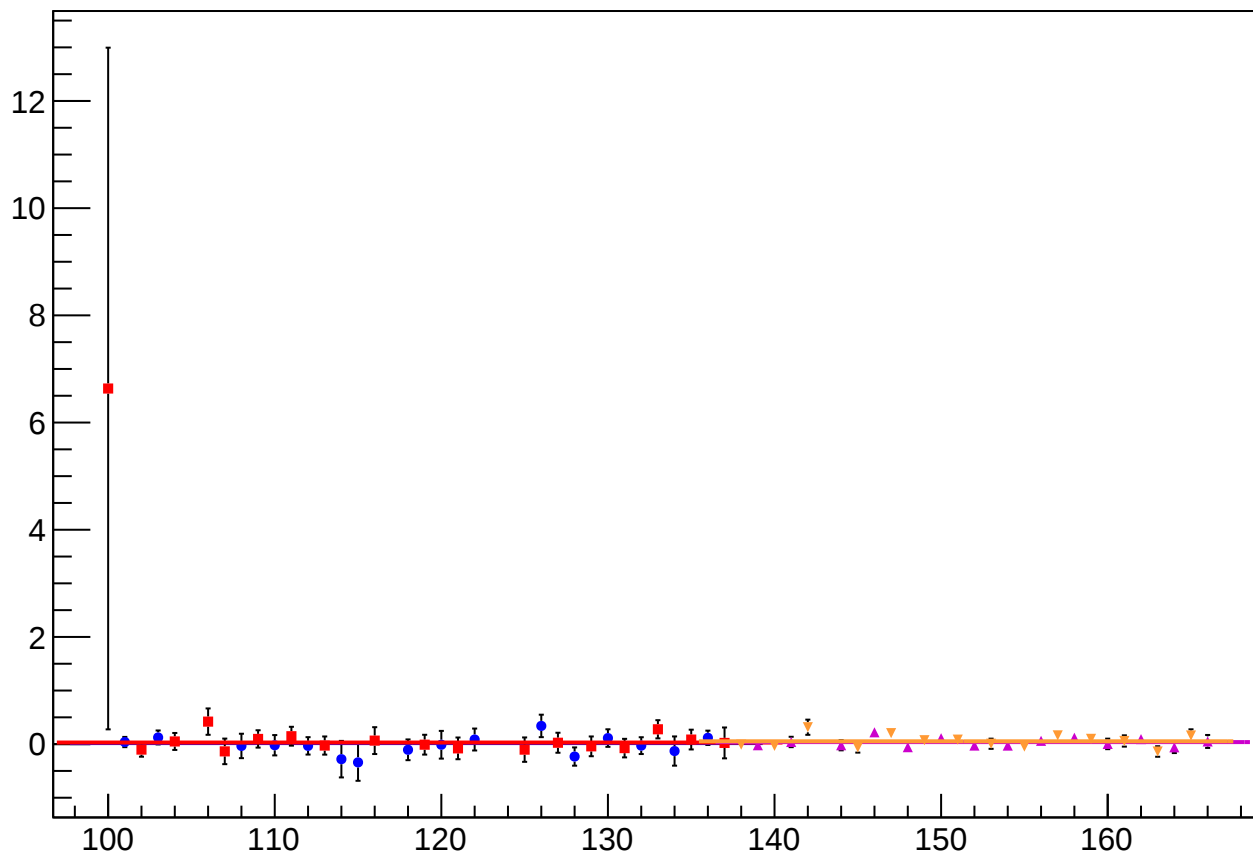
Right: -0.049 ± 0.017 χ^2/NDF : 29.6/33

In: -0.064 ± 0.014 χ^2/NDF : 34.0/29

Out: -0.083 ± 0.014 χ^2/NDF : 25.7/31

All: -0.073 ± 0.010 χ^2/NDF : 60.5/61

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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:10.9/13

Left: 0.045 $\pm$ 0.018 χ^2 /NDF: 28.5/27

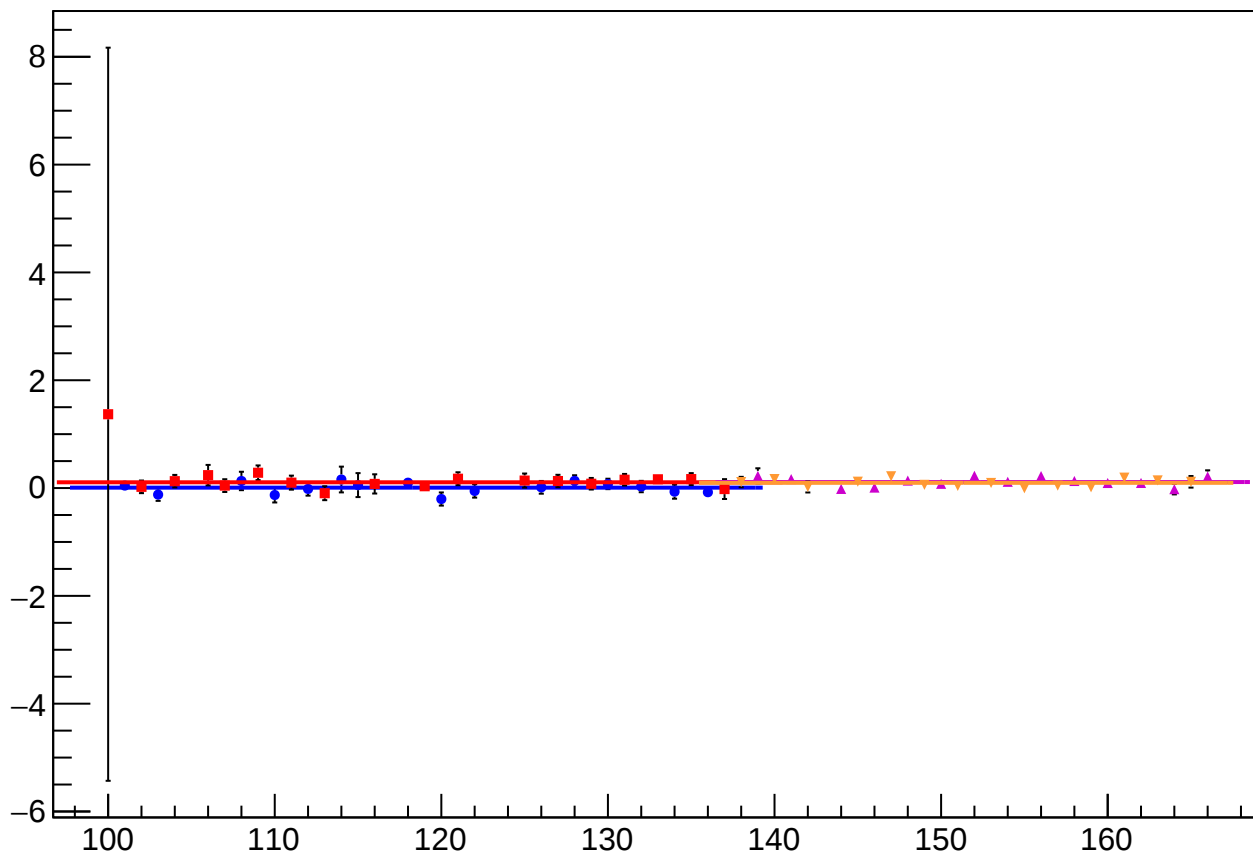
Right: 0.025 $\pm$ 0.031 χ^2 /NDF: 18.3/33

In: 0.034 $\pm$ 0.021 χ^2 /NDF:20.2/29

Out: 0.047 $\pm$ 0.022 χ^2 /NDF:26.8/31

All: 0.040 $\pm$ 0.015 χ^2 /NDF: 47.2/61

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 0.112 $\pm$ 0.021 χ^2/NDF : 14.0/13

Left: 0.104 $\pm$ 0.015 χ^2/NDF : 25.8/27

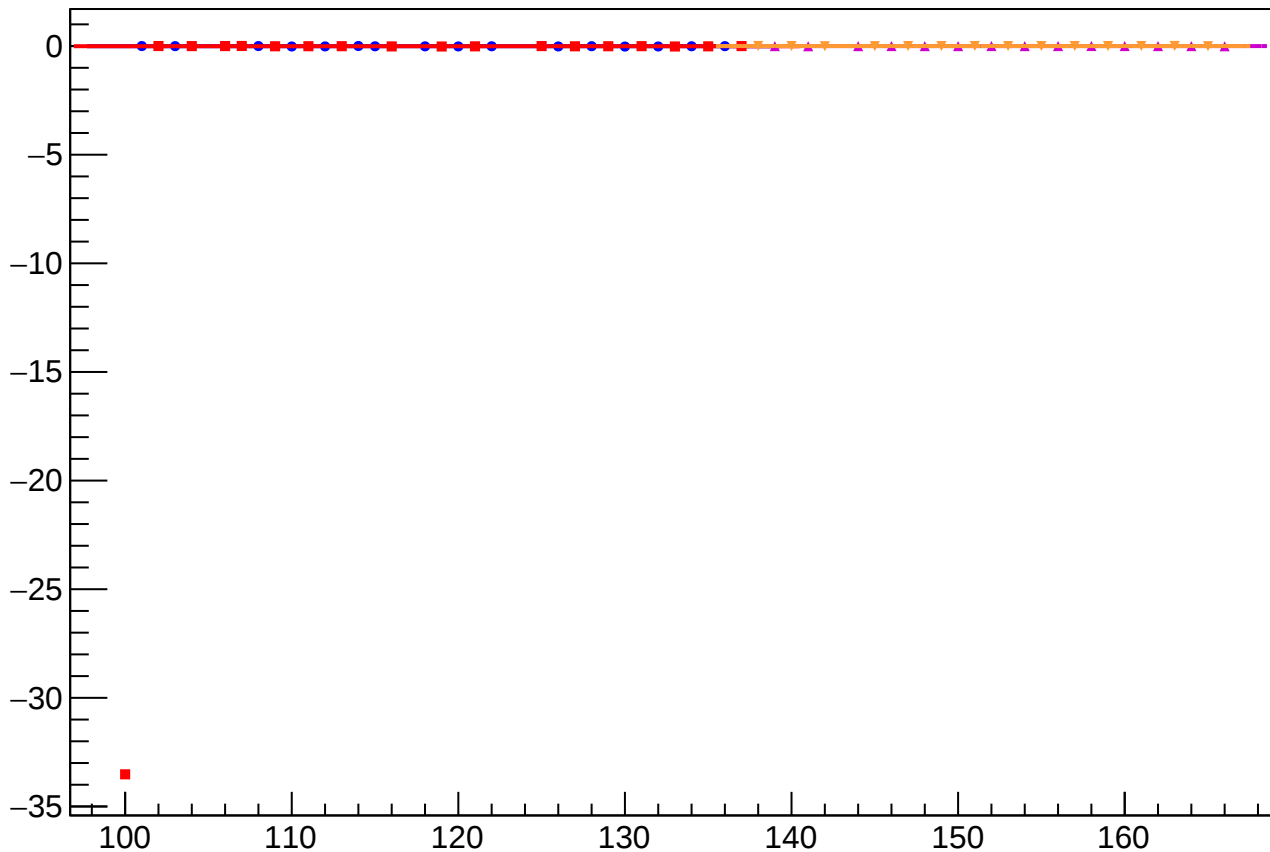
Right: 0.054 $\pm$ 0.020 χ^2/NDF : 25.8/33

In: 0.073 $\pm$ 0.017 χ^2/NDF : 34.5/29

Out: 0.101 $\pm$ 0.017 χ^2/NDF : 19.8/31

All: 0.086 $\pm$ 0.012 χ^2/NDF : 55.7/61

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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 :10.1/13

Left: 0.001+/-0.001 χ^2/NDF : 21.3/27

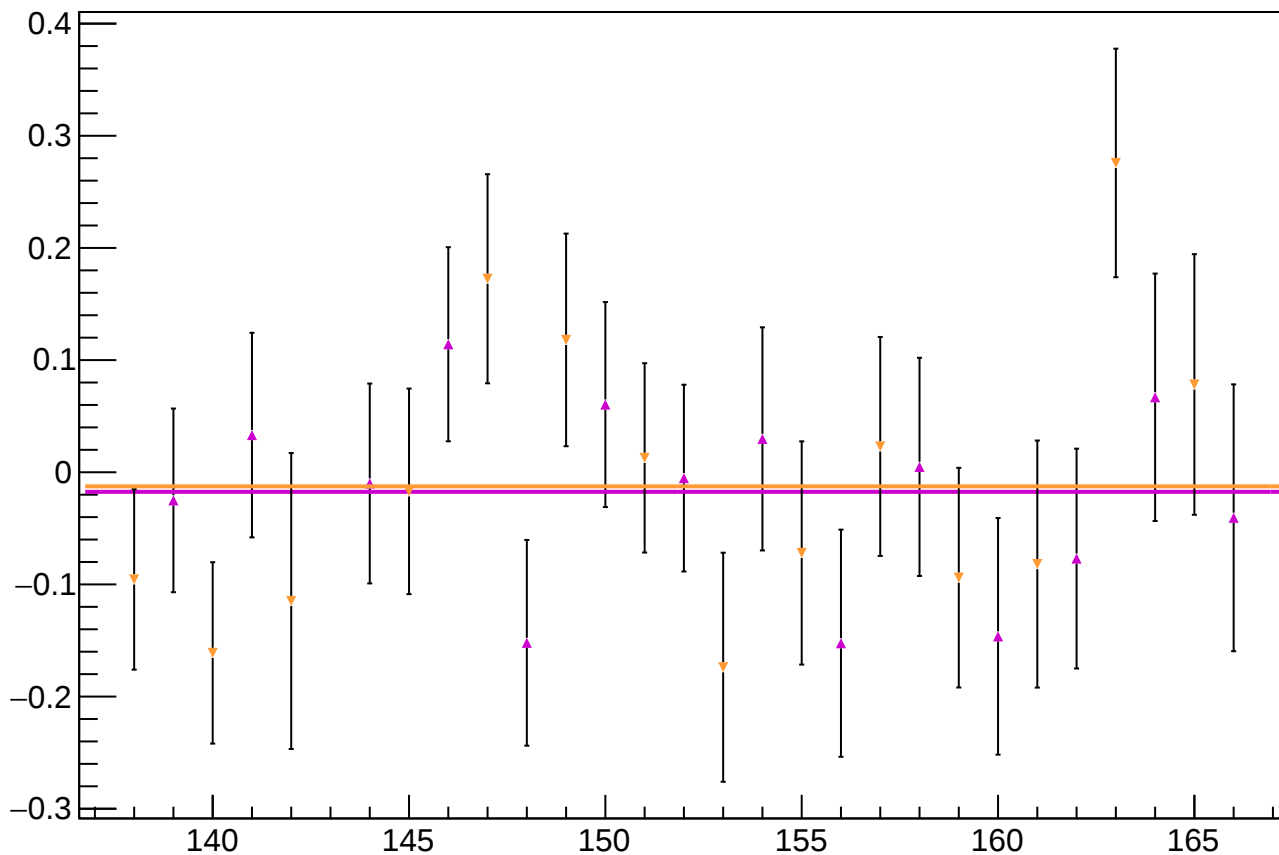
Right: -0.006+/-0.001 χ^2/NDF : 26530.6/33

In: -0.002+/-0.001 χ^2/NDF :40.7/29

Out: -0.001+/-0.001 χ^2/NDF :26535.2/31

All: -0.001+/-0.001 χ^2/NDF : 26576.4/61

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.013 $\pm$ 0.026 χ^2 /NDF:23.7/13

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

Left In: -0.017 $\pm$ 0.025 χ^2 /NDF:10.1/13

Left: -0.015 $\pm$ 0.018 χ^2 /NDF: 33.7/27

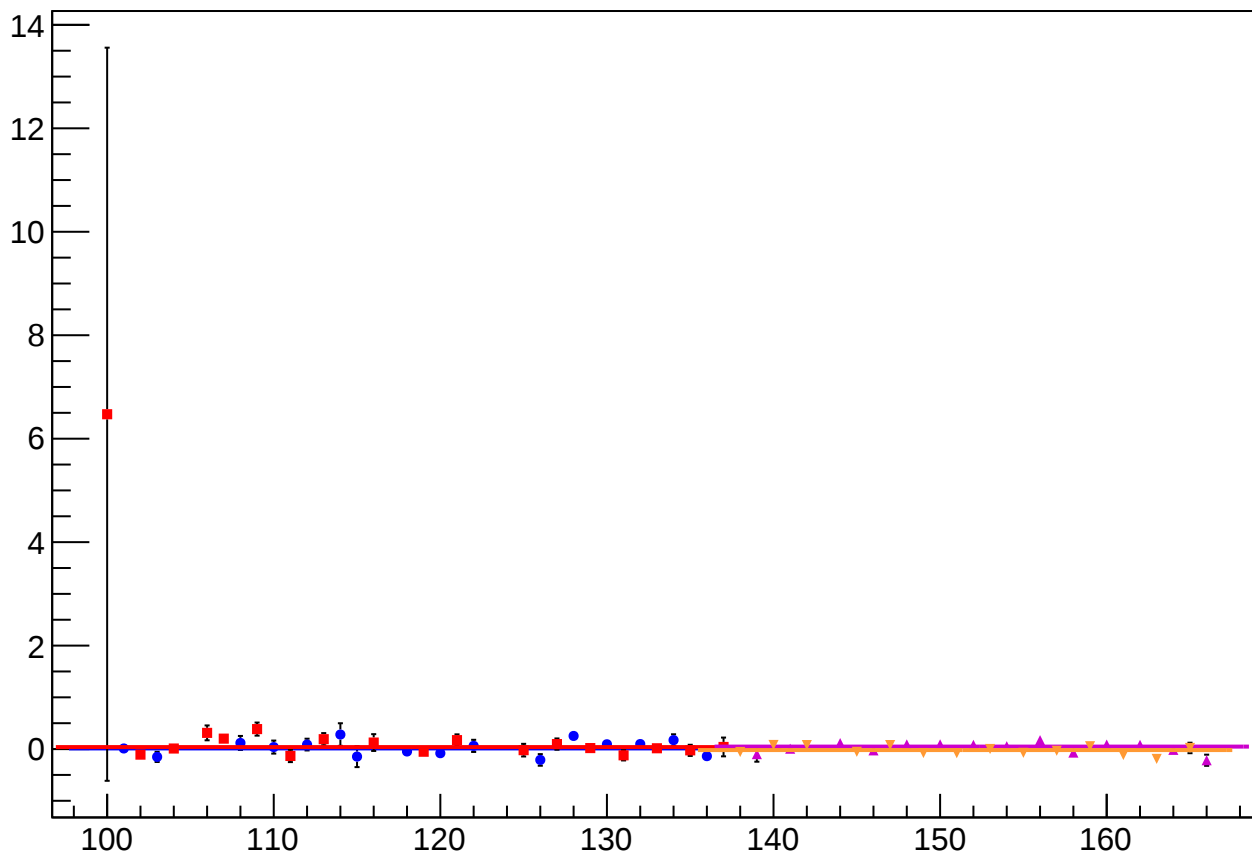
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.017 $\pm$ 0.025 χ^2 /NDF:10.1/13

Out: -0.013 $\pm$ 0.026 χ^2 /NDF:23.7/13

All: -0.015 $\pm$ 0.018 χ^2 /NDF: 33.7/27

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: -0.019 $\pm$ 0.018 χ^2 /NDF:19.5/13

Right Out: 0.038 $\pm$ 0.025 χ^2 /NDF: 28.4/17

Left In: 0.048 $\pm$ 0.018 χ^2 /NDF:19.4/13

Left: 0.014 $\pm$ 0.013 χ^2 /NDF: 46.0/27

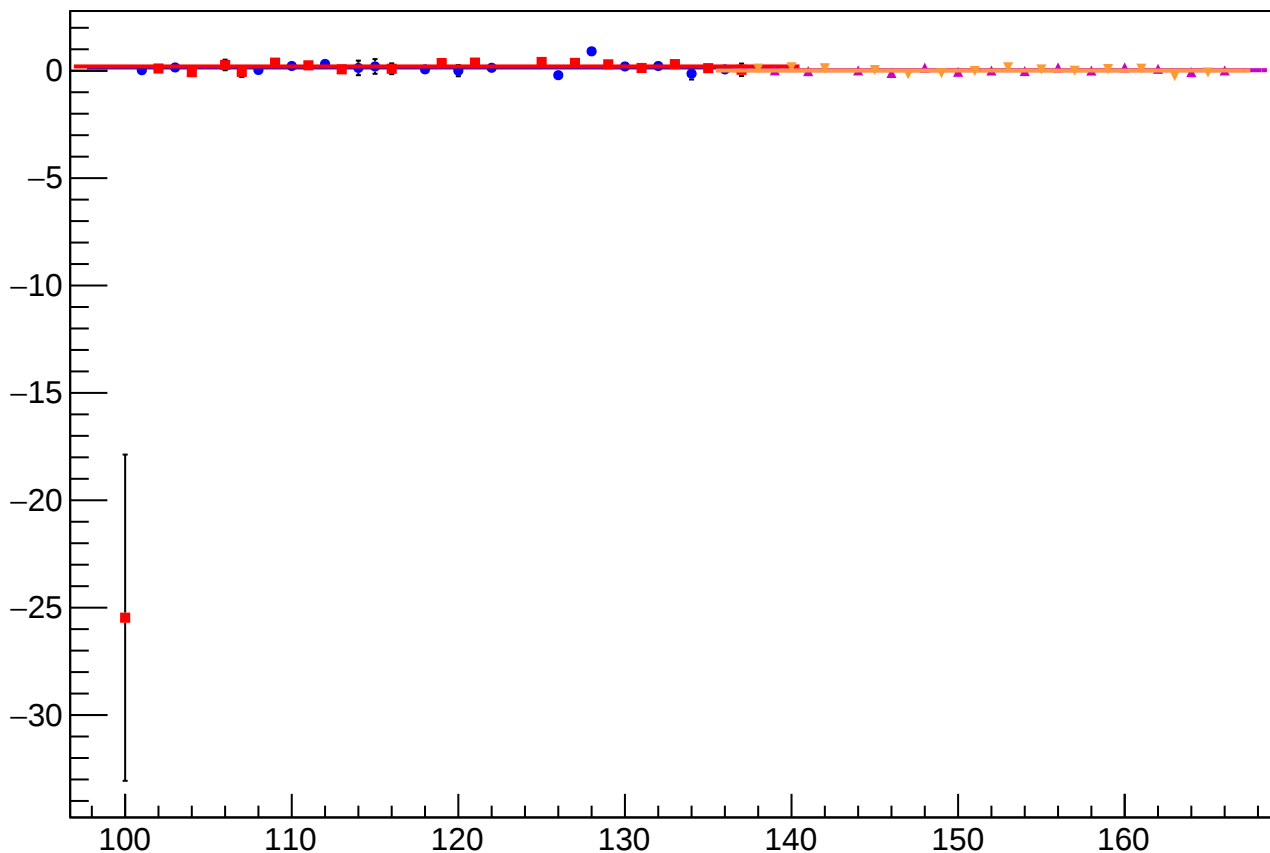
Right: 0.025 $\pm$ 0.017 χ^2 /NDF: 54.0/33

In: 0.035 $\pm$ 0.014 χ^2 /NDF:45.9/29

Out: 0.000 $\pm$ 0.014 χ^2 /NDF:51.6/31

All: 0.018 $\pm$ 0.010 χ^2 /NDF: 100.3/61

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154+/-0.043 χ^2/NDF : 27.9/15

Left Out: 0.012+/-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 : 10.6/13

Left: 0.019+/-0.018 χ^2/NDF : 33.0/27

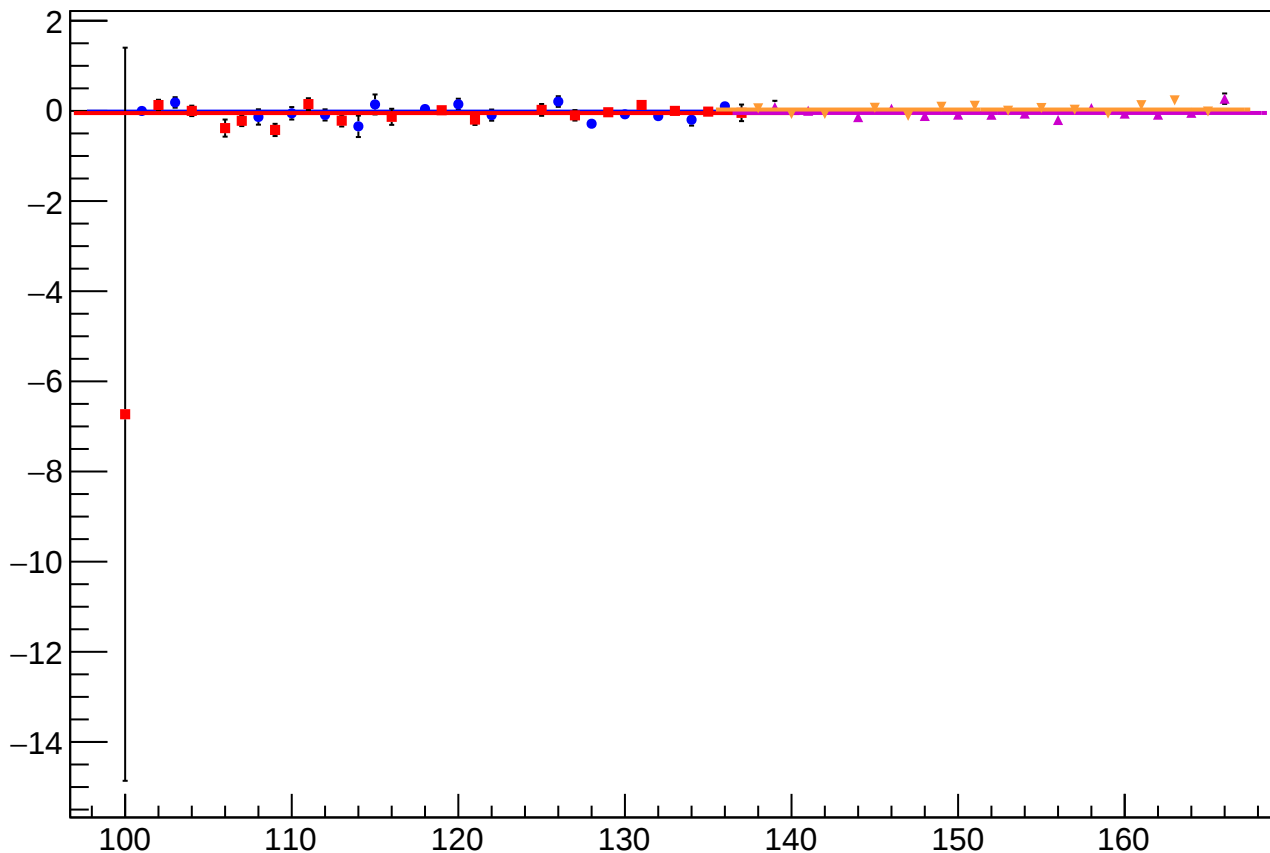
Right: 0.177+/-0.031 χ^2/NDF : 51.1/33

In: 0.058+/-0.021 χ^2/NDF : 45.1/29

Out: 0.057+/-0.022 χ^2/NDF : 58.3/31

All: 0.057+/-0.015 χ^2/NDF : 103.5/61

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.030 ± 0.021 χ^2/NDF : 20.1/13

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

Left In: -0.046 ± 0.021 χ^2/NDF : 20.5/13

Left: -0.008 ± 0.015 χ^2/NDF : 47.1/27

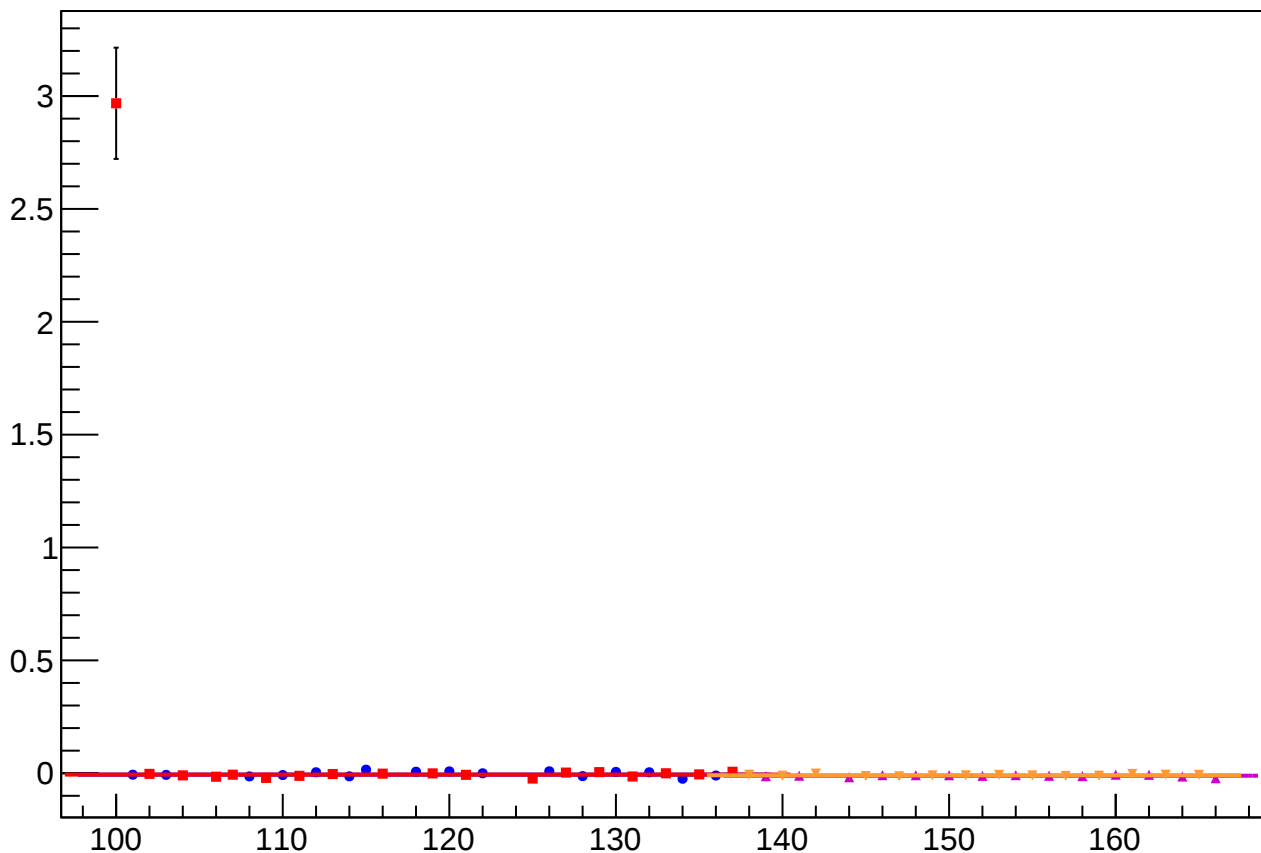
Right: -0.031 ± 0.020 χ^2/NDF : 51.0/33

In: -0.035 ± 0.017 χ^2/NDF : 45.6/29

Out: 0.003 ± 0.017 χ^2/NDF : 51.0/31

All: -0.016 ± 0.012 χ^2/NDF : 99.0/61

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 27.3/15

Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF:9.2/13

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 165.9/17

Left In: -0.011 $\pm$ 0.001 χ^2 /NDF:12.6/13

Left: -0.010 $\pm$ 0.001 χ^2 /NDF: 23.6/27

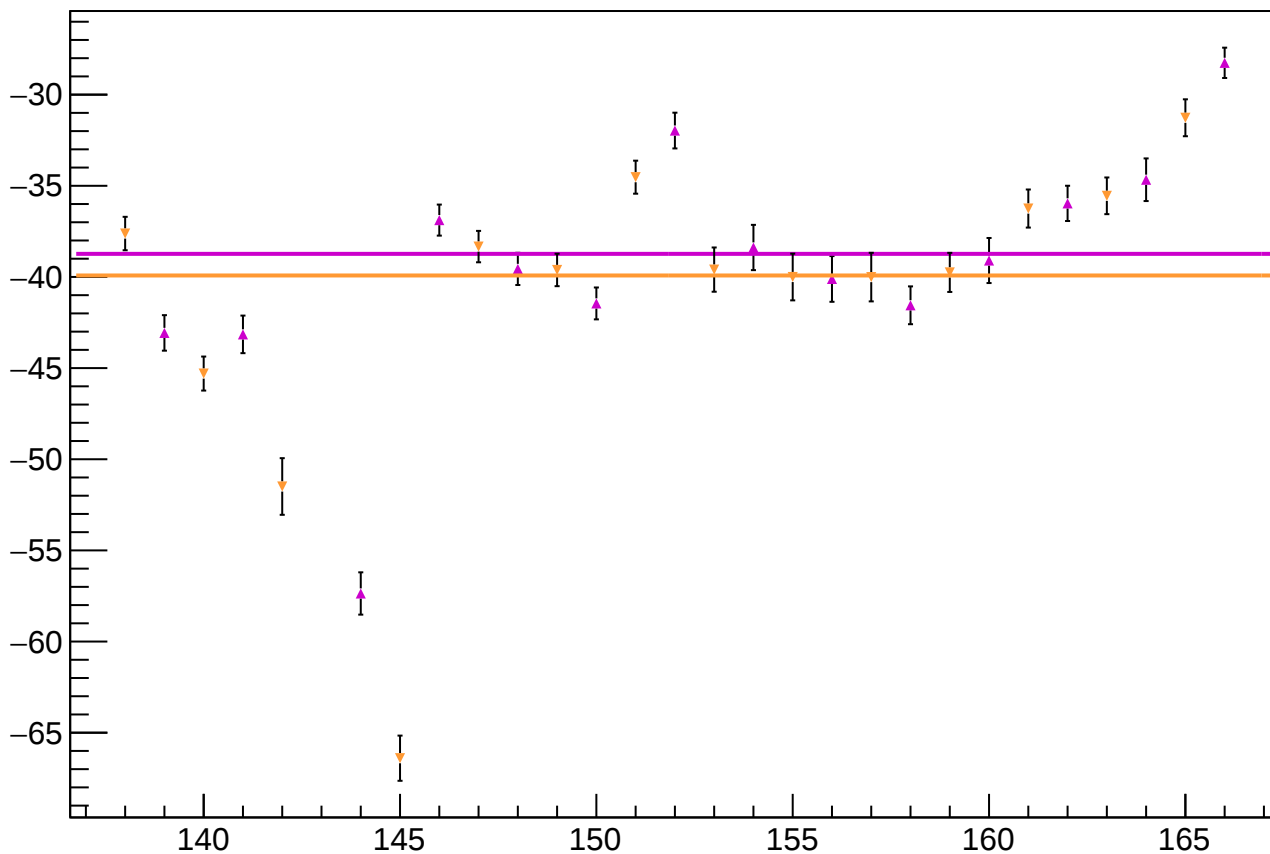
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 193.3/33

In: -0.009 $\pm$ 0.001 χ^2 /NDF:47.5/29

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:178.3/31

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 227.2/61

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



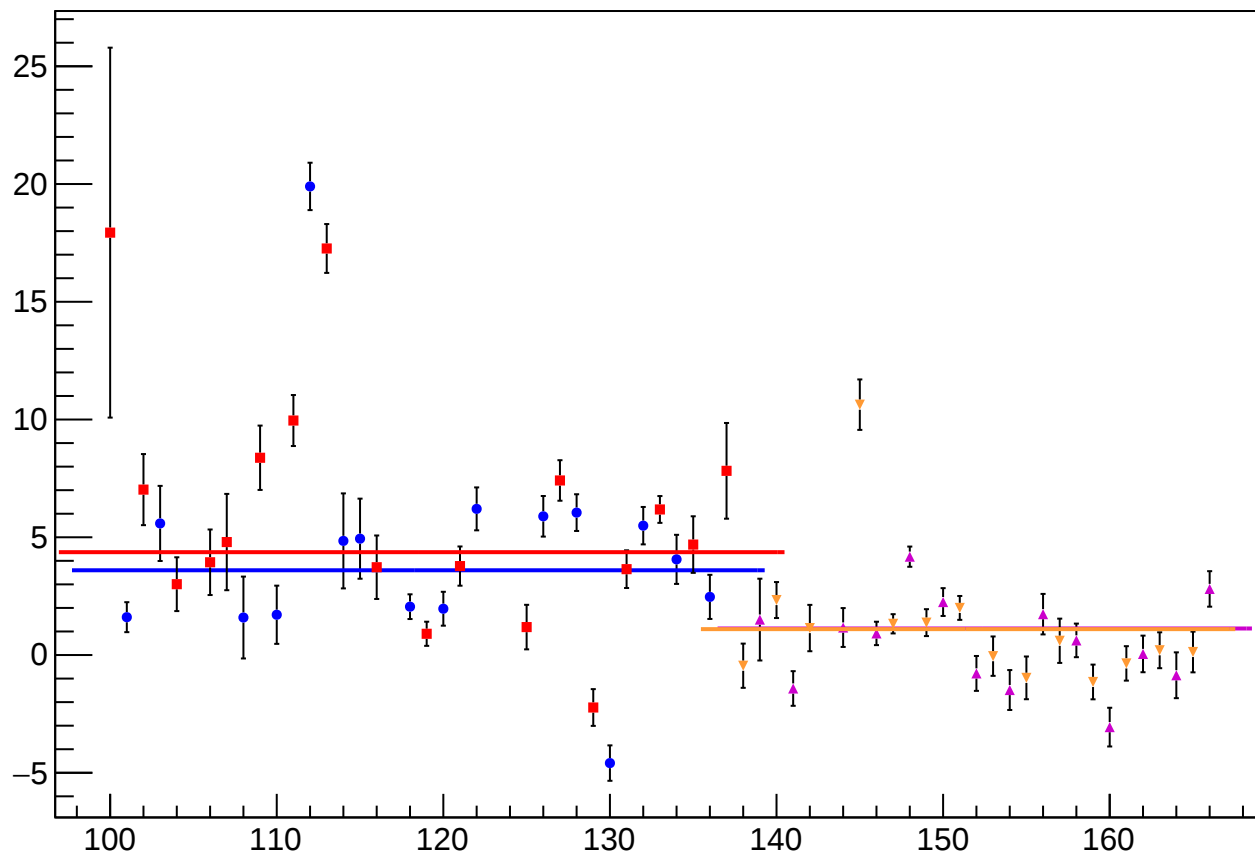
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -39.919 ± 0.279 $\chi^2/\text{NDF}: 694.6/13$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -38.733 ± 0.269 $\chi^2/\text{NDF}: 546.7/13$

Left: -39.303 ± 0.194 $\chi^2/\text{NDF}: 1250.7/27$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -38.733 ± 0.269 $\chi^2/\text{NDF}: 546.7/13$
 Out: -39.919 ± 0.279 $\chi^2/\text{NDF}: 694.6/13$

All: -39.303 ± 0.194 $\chi^2/\text{NDF}: 1250.7/27$

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 443.4/15

Left Out: 1.099 $\pm$ 0.188 χ^2 /NDF:111.4/13

Right Out: 4.367 $\pm$ 0.225 χ^2 /NDF: 353.1/17

Left In: 1.127 $\pm$ 0.187 χ^2 /NDF:120.5/13

Left: 1.113 $\pm$ 0.133 χ^2 /NDF: 232.0/27

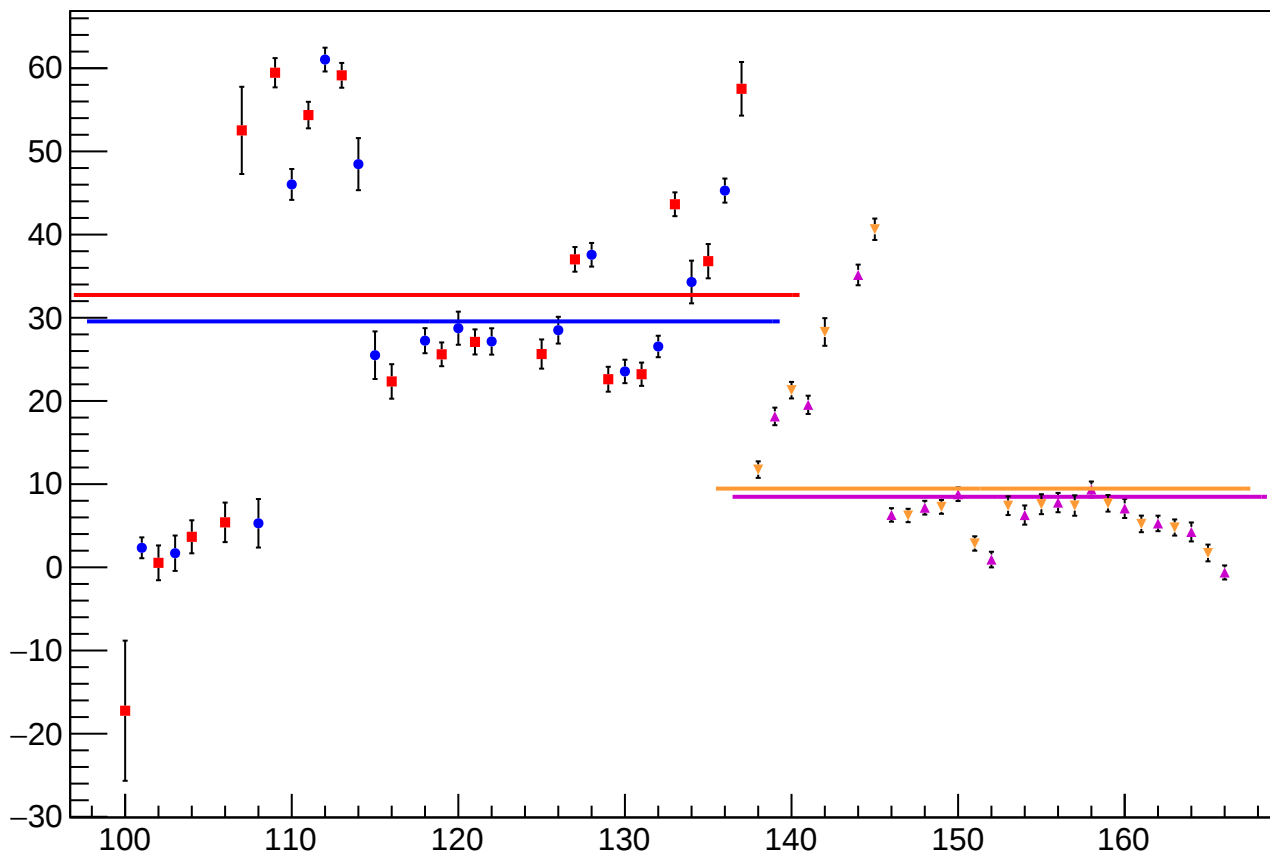
Right: 3.975 $\pm$ 0.157 χ^2 /NDF: 802.5/33

In: 2.164 $\pm$ 0.143 χ^2 /NDF:637.0/29

Out: 2.446 $\pm$ 0.144 χ^2 /NDF:588.8/31

All: 2.304 $\pm$ 0.101 χ^2 /NDF: 1227.7/61

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 9.465 $\pm$ 0.272 χ^2 /NDF:1056.2/13

Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

Left In: 8.479 $\pm$ 0.261 χ^2 /NDF:869.2/13

Left: 8.953 $\pm$ 0.188 χ^2 /NDF: 1932.2/27

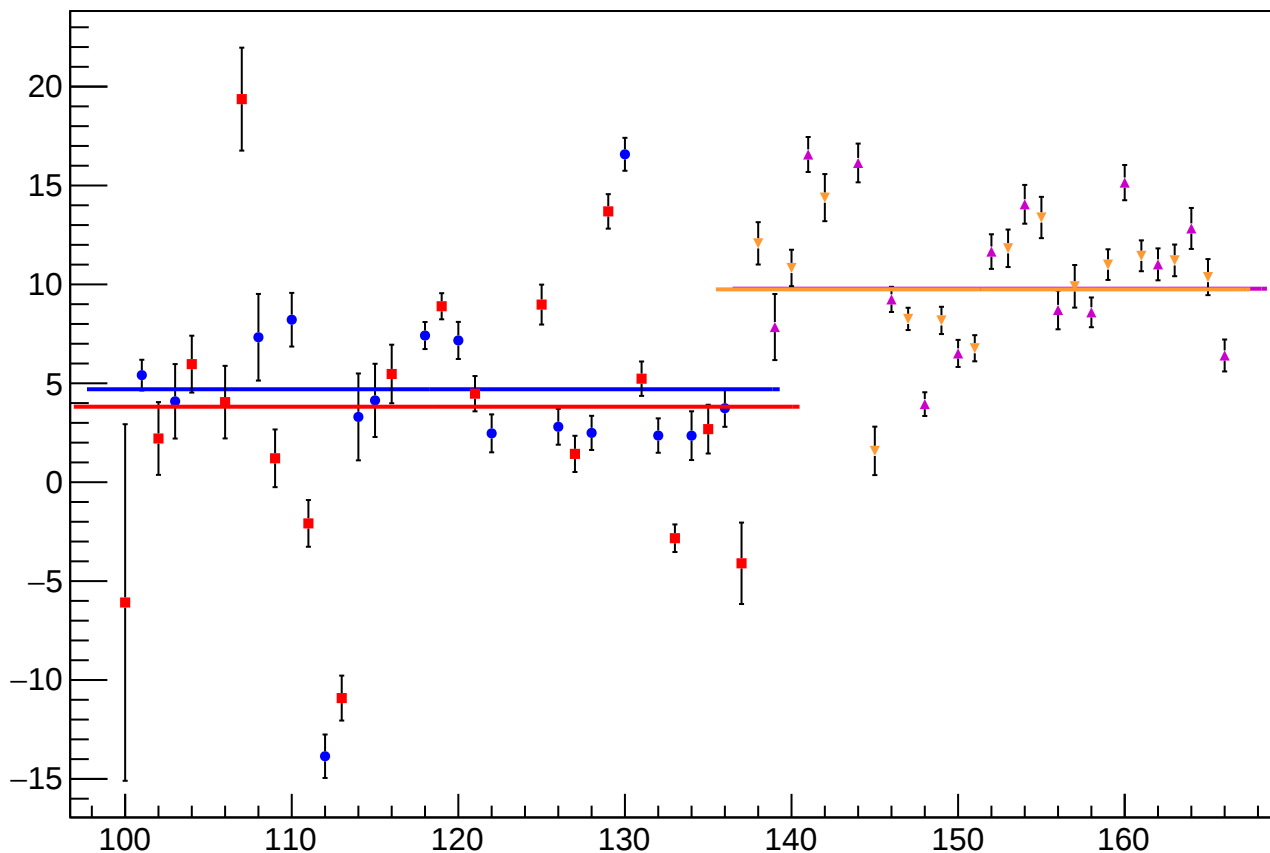
Right: 31.140 $\pm$ 0.298 χ^2 /NDF: 3186.3/33

In: 14.376 $\pm$ 0.222 χ^2 /NDF:4183.2/29

Out: 16.272 $\pm$ 0.229 χ^2 /NDF:4864.5/31

All: 15.296 $\pm$ 0.159 χ^2 /NDF: 9083.0/61

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 $\pm$ 0.254 χ^2/NDF : 548.9/15

Left Out: 9.749 $\pm$ 0.224 χ^2/NDF :126.3/13

Right Out: 3.817 $\pm$ 0.258 χ^2/NDF : 567.6/17

Left In: 9.783 $\pm$ 0.221 χ^2/NDF :312.5/13

Left: 9.766 $\pm$ 0.157 χ^2/NDF : 438.8/27

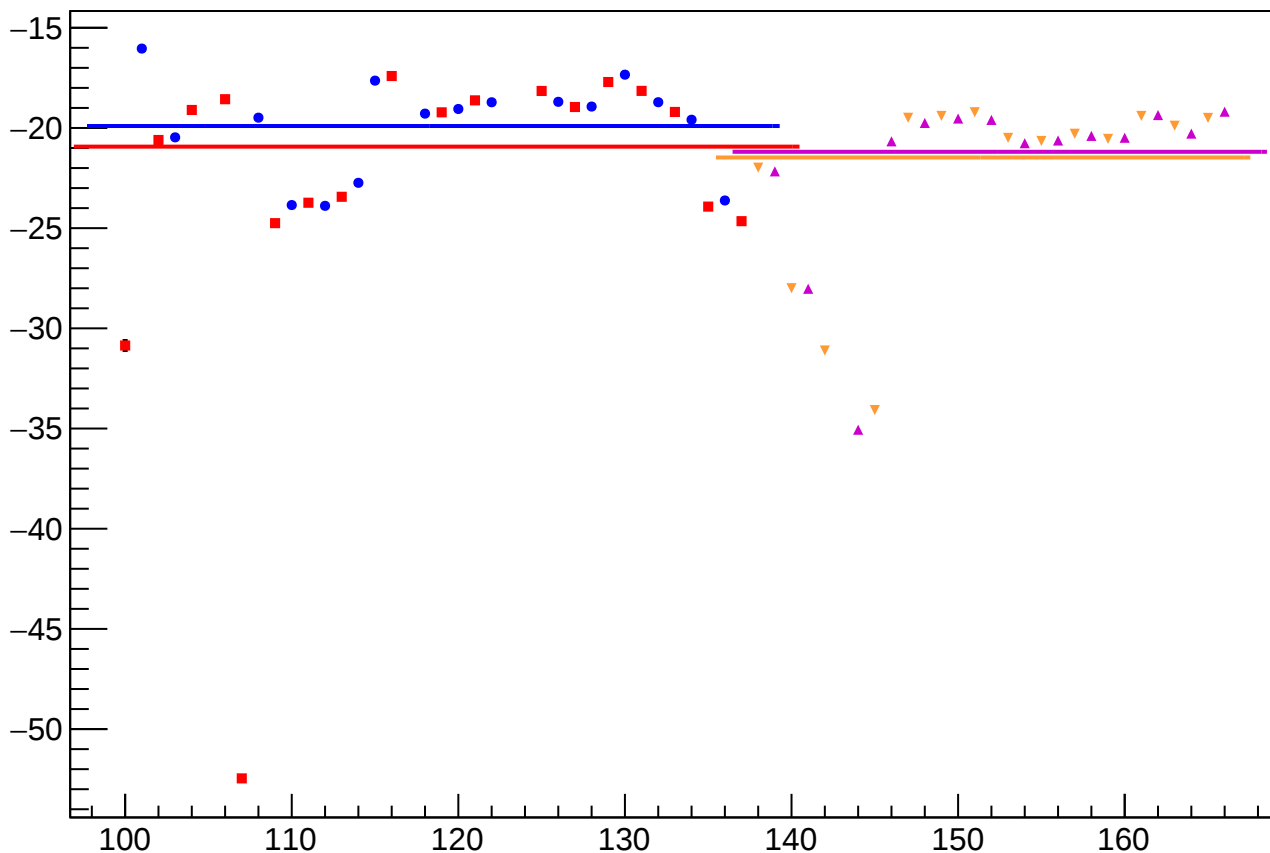
Right: 4.265 $\pm$ 0.181 χ^2/NDF : 1122.4/33

In: 7.593 $\pm$ 0.167 χ^2/NDF :1089.5/29

Out: 7.204 $\pm$ 0.169 χ^2/NDF :994.7/31

All: 7.402 $\pm$ 0.119 χ^2/NDF : 2086.8/61

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -21.189 ± 0.010 χ^2/NDF : 102136.0/13

Left: -21.325 ± 0.008 χ^2/NDF : 226614.4/27

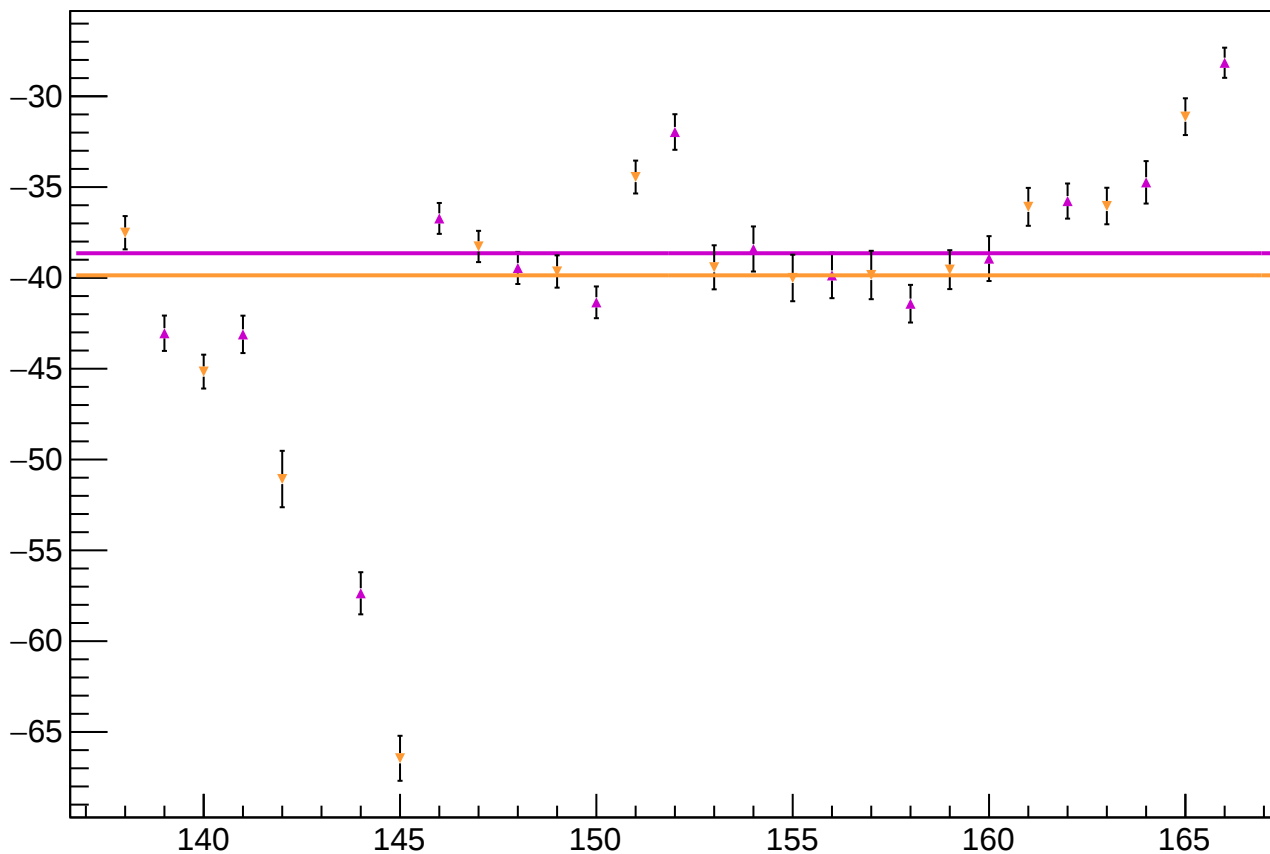
Right: -20.414 ± 0.011 χ^2/NDF : 122212.6/33

In: -20.793 ± 0.009 χ^2/NDF : 132871.4/29

Out: -21.298 ± 0.009 χ^2/NDF : 218936.6/31

All: -21.039 ± 0.006 χ^2/NDF : 353455.1/61

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



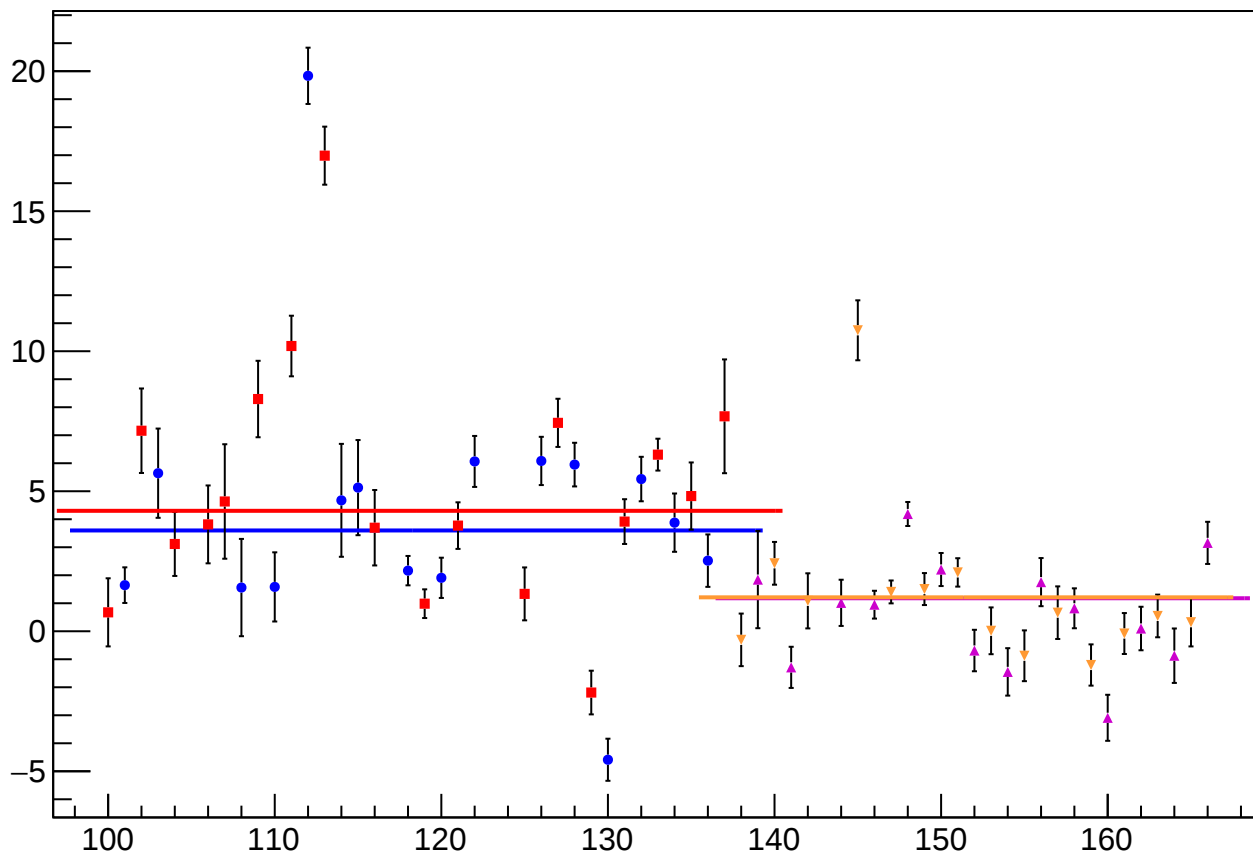
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -39.859+/-0.279 χ^2/NDF : 693.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -38.643+/-0.268 χ^2/NDF : 549.5/13

Left: -39.227+/-0.193 χ^2/NDF : 1252.6/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.643+/-0.268 χ^2/NDF : 549.5/13
 Out: -39.859+/-0.279 χ^2/NDF : 693.2/13

All: -39.227+/-0.193 χ^2/NDF : 1252.6/27

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 440.3/15

Left Out: 1.211 $\pm$ 0.188 χ^2 /NDF:111.5/13

Right Out: 4.301 $\pm$ 0.221 χ^2 /NDF: 352.1/17

Left In: 1.179 $\pm$ 0.187 χ^2 /NDF:120.9/13

Left: 1.195 $\pm$ 0.133 χ^2 /NDF: 232.4/27

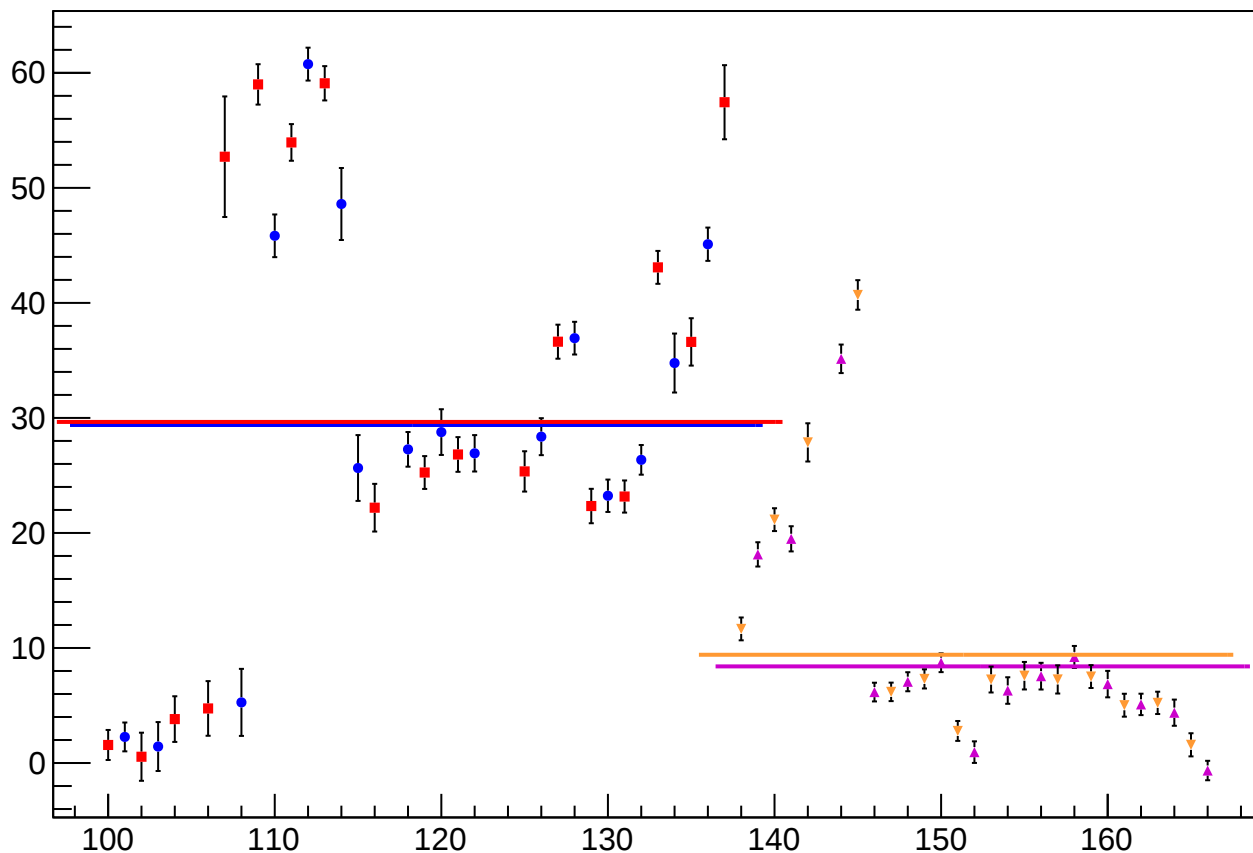
Right: 3.949 $\pm$ 0.156 χ^2 /NDF: 797.4/33

In: 2.195 $\pm$ 0.143 χ^2 /NDF:631.3/29

Out: 2.509 $\pm$ 0.143 χ^2 /NDF:577.0/31

All: 2.351 $\pm$ 0.101 χ^2 /NDF: 1210.7/61

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 9.410 $\pm$ 0.272 χ^2 /NDF:1053.1/13

Right Out: 29.652 $\pm$ 0.402 χ^2 /NDF: 2131.0/17

Left In: 8.399 $\pm$ 0.261 χ^2 /NDF:872.1/13

Left: 8.885 $\pm$ 0.188 χ^2 /NDF: 1932.4/27

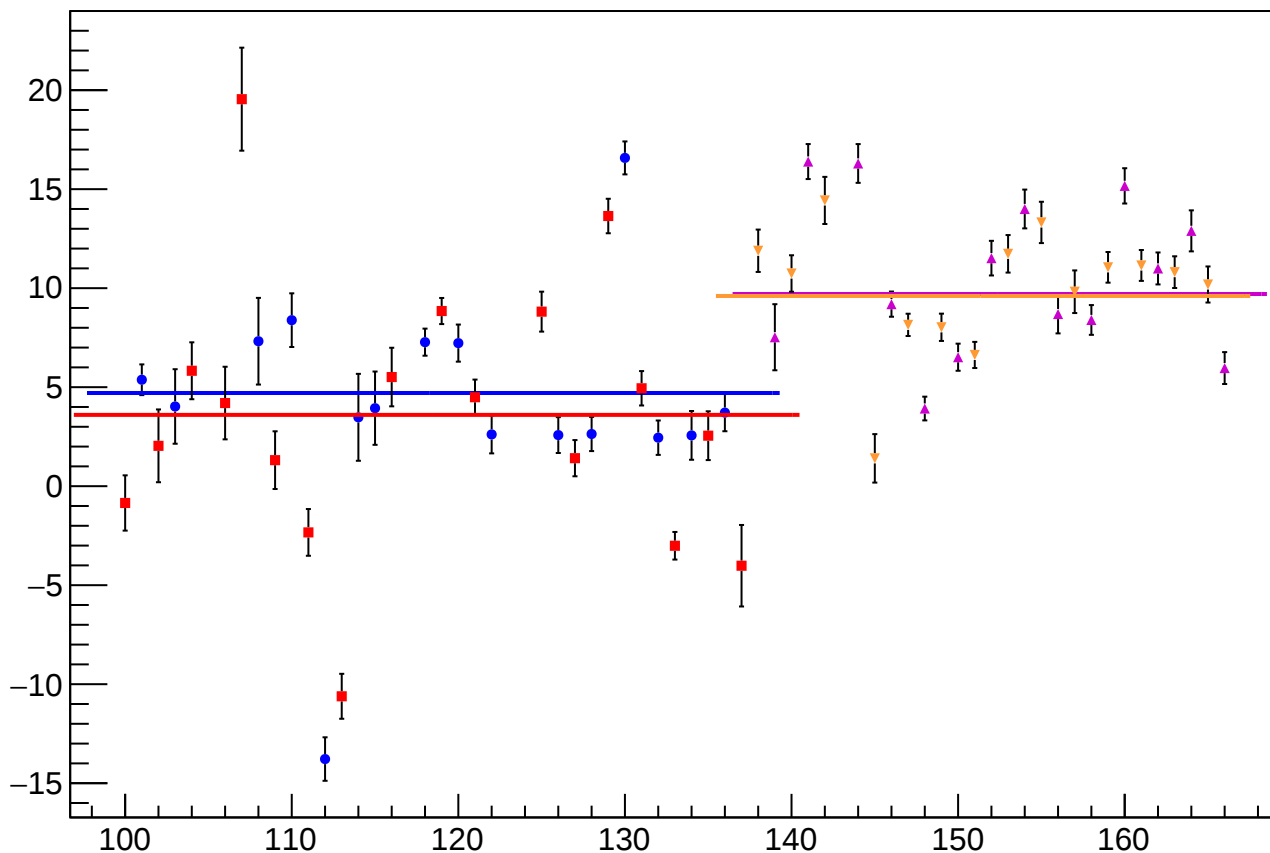
Right: 29.525 $\pm$ 0.290 χ^2 /NDF: 3619.8/33

In: 14.270 $\pm$ 0.222 χ^2 /NDF:4165.8/29

Out: 15.747 $\pm$ 0.225 χ^2 /NDF:4922.7/31

All: 14.997 $\pm$ 0.158 χ^2 /NDF: 9110.3/61

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 $\pm$ 0.254 χ^2 /NDF: 545.2/15

Left Out: 9.606 $\pm$ 0.224 χ^2 /NDF:127.6/13

Right Out: 3.601 $\pm$ 0.254 χ^2 /NDF: 573.4/17

Left In: 9.705 $\pm$ 0.221 χ^2 /NDF:318.7/13

Left: 9.656 $\pm$ 0.157 χ^2 /NDF: 446.3/27

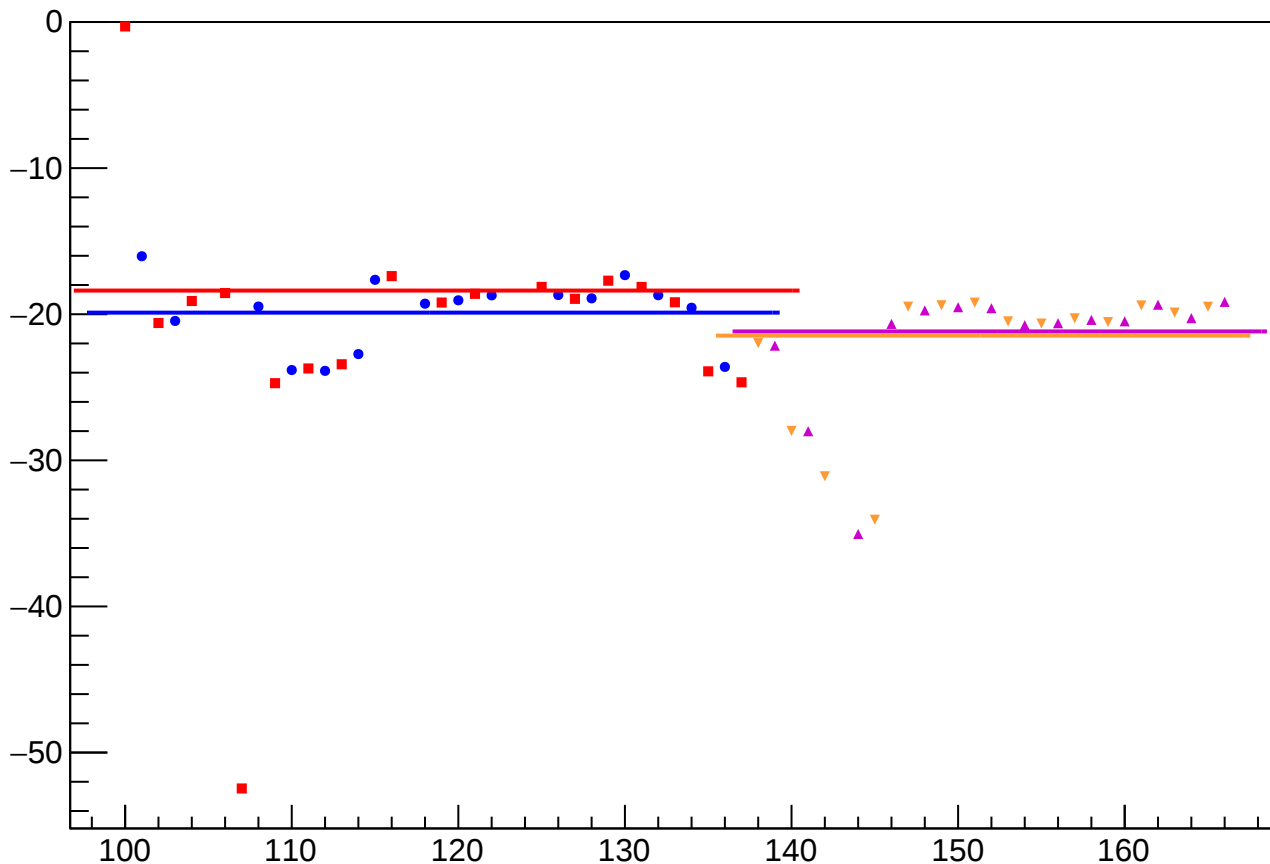
Right: 4.154 $\pm$ 0.180 χ^2 /NDF: 1128.1/33

In: 7.552 $\pm$ 0.167 χ^2 /NDF:1084.6/29

Out: 6.982 $\pm$ 0.168 χ^2 /NDF:1015.5/31

All: 7.269 $\pm$ 0.118 χ^2 /NDF: 2105.9/61

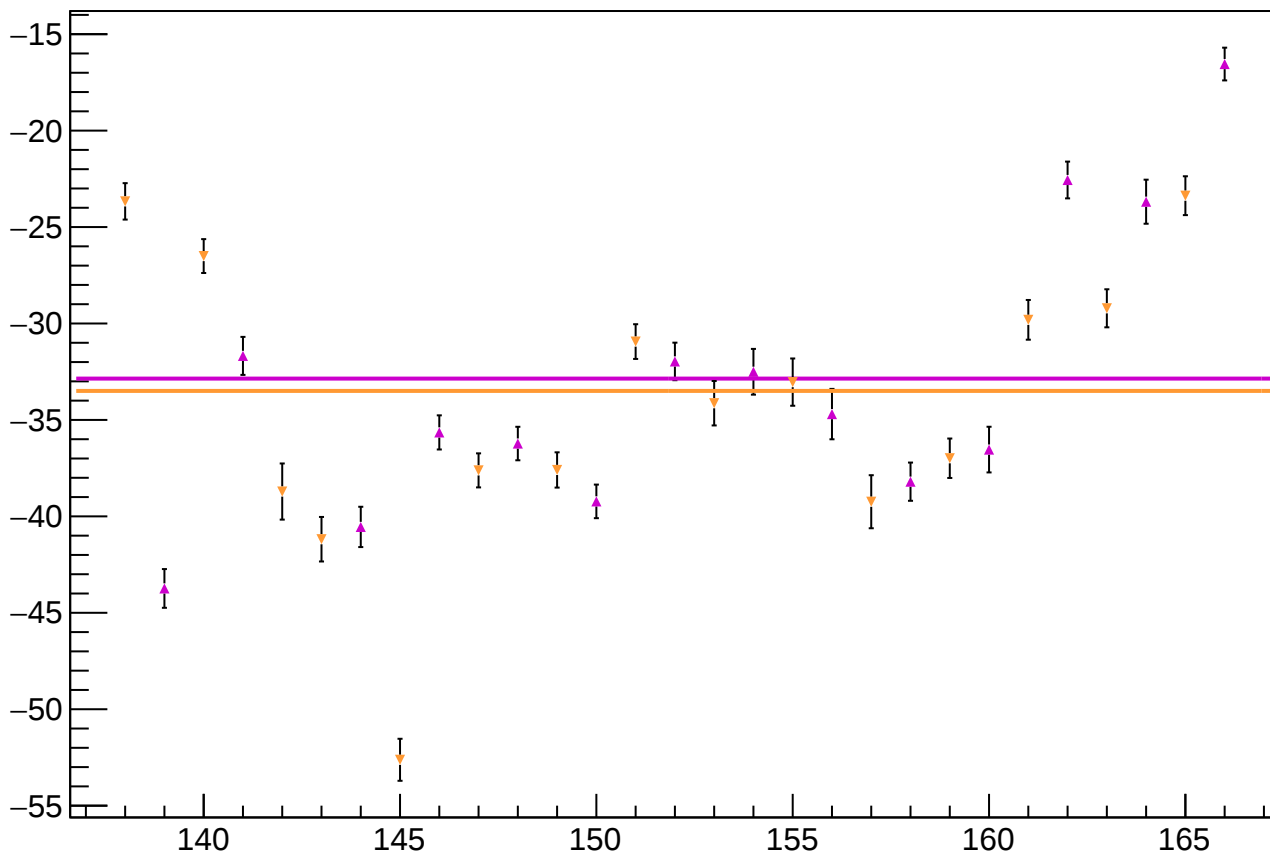
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$
 Left Out: -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: -21.177 ± 0.010 $\chi^2/\text{NDF}: 102144.9/13$

Left: -21.316 ± 0.008 $\chi^2/\text{NDF}: 226682.1/27$
 Right: -19.091 ± 0.011 $\chi^2/\text{NDF}: 331979.2/33$
 In: -20.781 ± 0.009 $\chi^2/\text{NDF}: 132877.1/29$
 Out: -20.385 ± 0.009 $\chi^2/\text{NDF}: 453616.0/31$
 All: -20.584 ± 0.006 $\chi^2/\text{NDF}: 587528.2/61$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



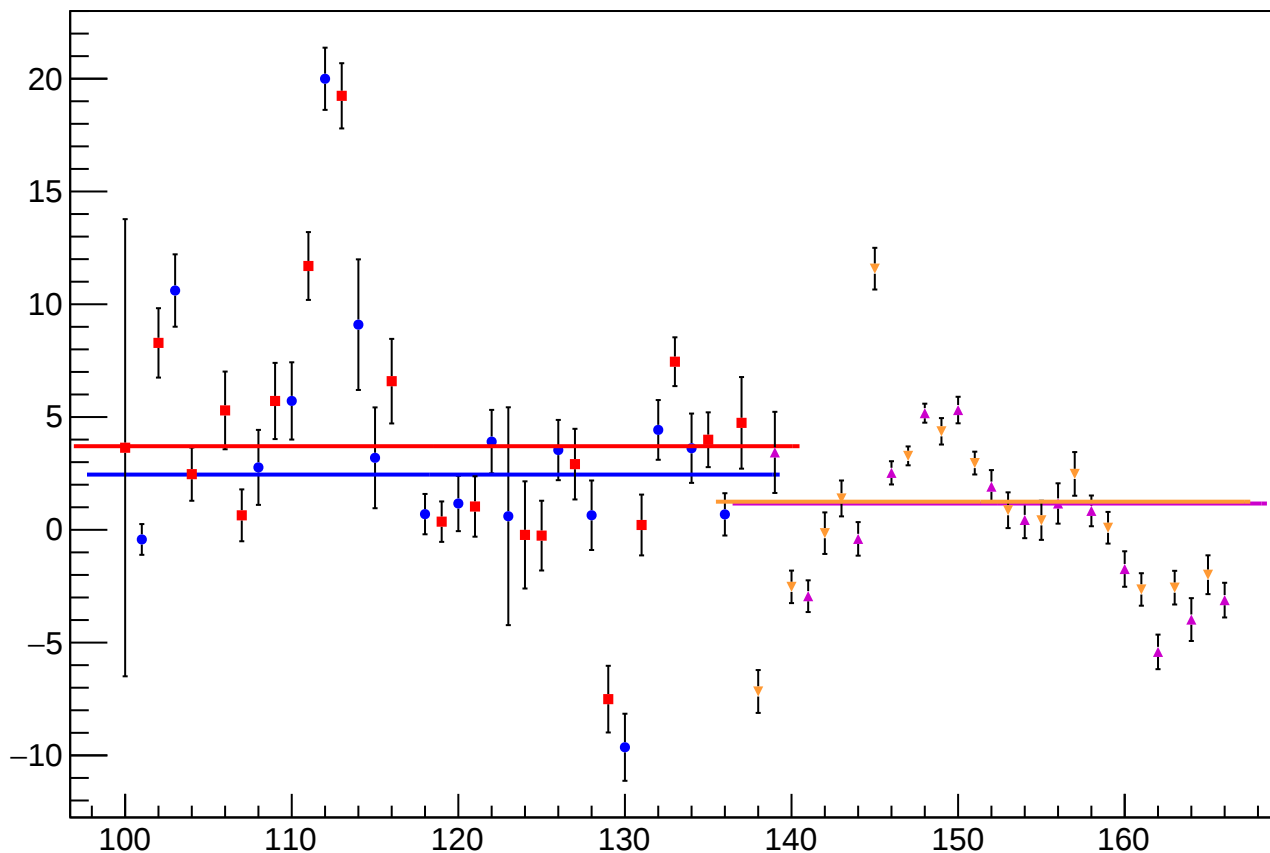
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -33.496+/-0.267 χ^2/NDF : 749.4/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.857+/-0.265 χ^2/NDF : 843.4/13

Left: -33.175+/-0.188 χ^2/NDF : 1595.7/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.857+/-0.265 χ^2/NDF : 843.4/13
 Out: -33.496+/-0.267 χ^2/NDF : 749.4/14

All: -33.175+/-0.188 χ^2/NDF : 1595.7/28

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 1.166 ± 0.185 χ^2/NDF : 337.0/13

Left: 1.207 ± 0.129 χ^2/NDF : 708.4/28

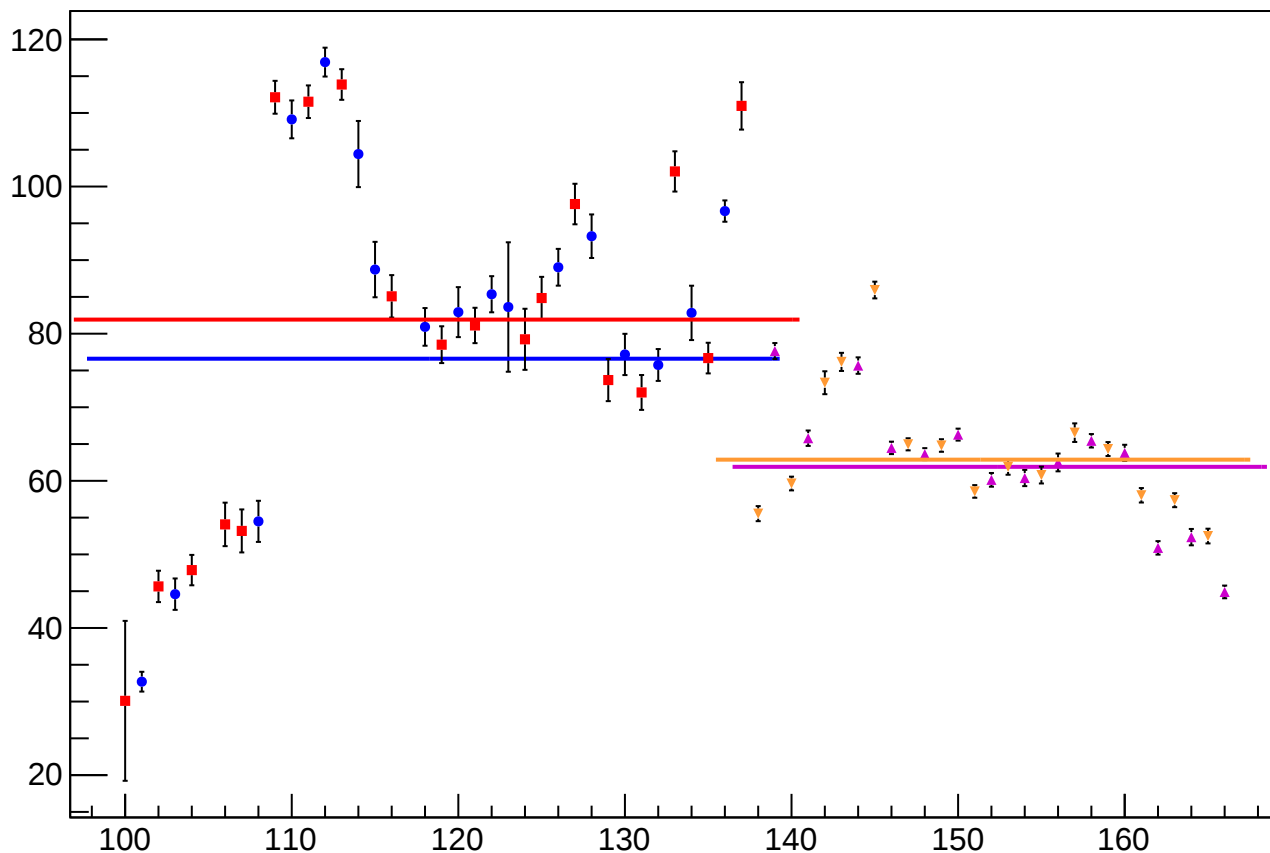
Right: 3.055 ± 0.226 χ^2/NDF : 572.4/35

In: 1.495 ± 0.159 χ^2/NDF : 644.7/30

Out: 1.825 ± 0.158 χ^2/NDF : 684.2/33

All: 1.661 ± 0.112 χ^2/NDF : 1331.0/64

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 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: 61.903 $\pm$ 0.258 χ^2 /NDF:1045.8/13

Left: 62.385 $\pm$ 0.184 χ^2 /NDF: 1905.6/28

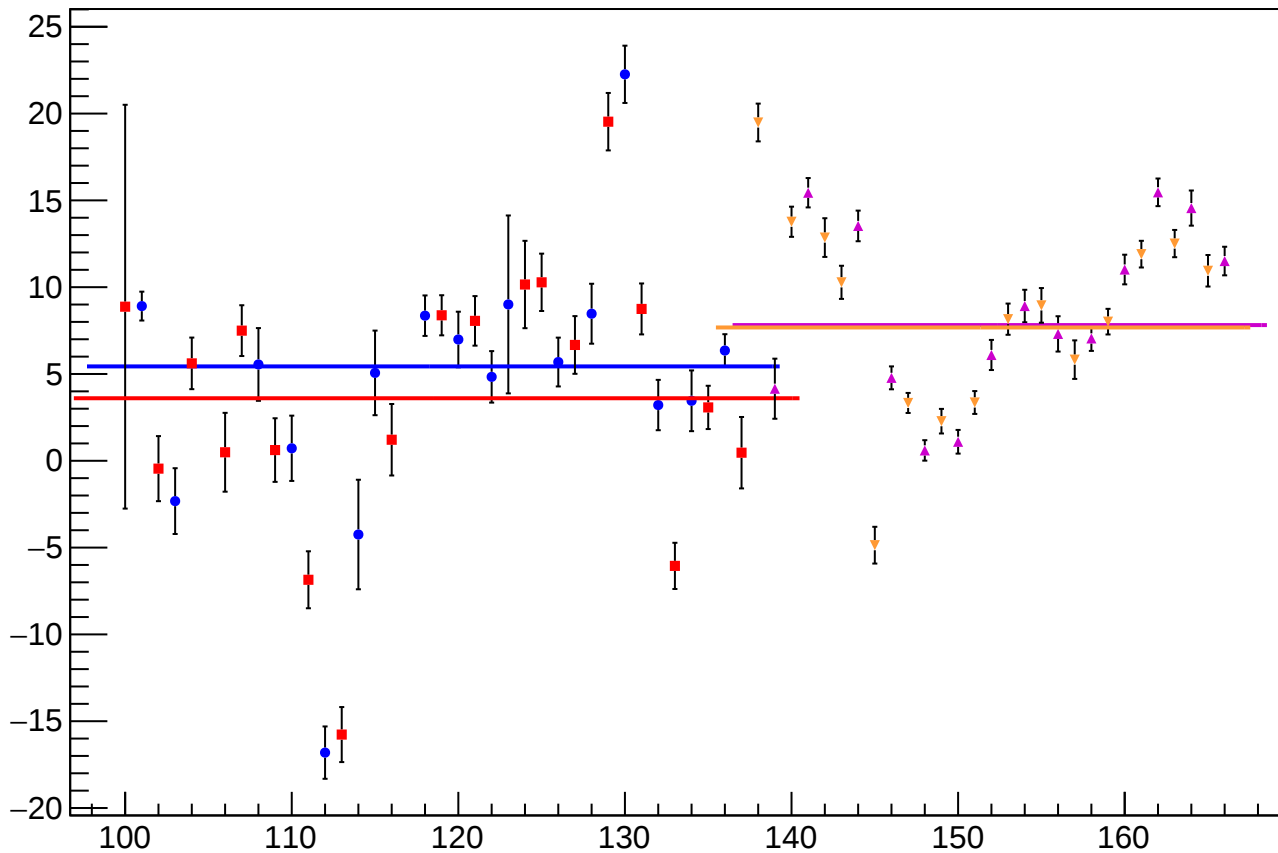
Right: 79.184 $\pm$ 0.413 χ^2 /NDF: 3867.3/35

In: 64.364 $\pm$ 0.236 χ^2 /NDF:3842.7/30

Out: 65.981 $\pm$ 0.239 χ^2 /NDF:3288.9/33

All: 65.161 $\pm$ 0.168 χ^2 /NDF: 7154.8/64

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 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: 7.817 ± 0.218 $\chi^2/\text{NDF}: 573.4/13$

Left: 7.747 ± 0.153 $\chi^2/\text{NDF}: 1153.8/28$

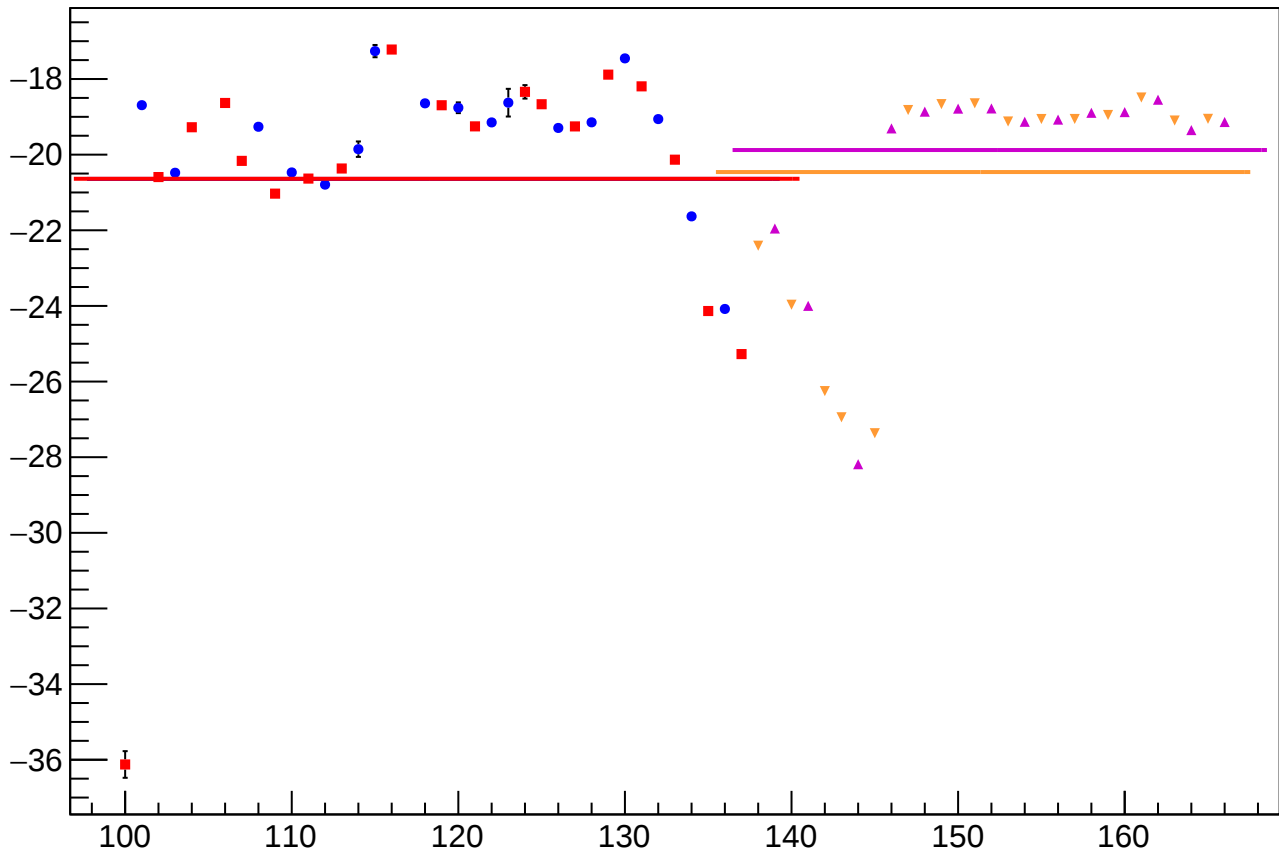
Right: 4.556 ± 0.260 $\chi^2/\text{NDF}: 823.0/35$

In: 7.181 ± 0.186 $\chi^2/\text{NDF}: 992.6/30$

Out: 6.673 ± 0.186 $\chi^2/\text{NDF}: 1092.5/33$

All: 6.927 ± 0.132 $\chi^2/\text{NDF}: 2088.8/64$

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 $\pm$ 0.019 χ^2 /NDF: 12431.5/16

Left Out: -20.460 $\pm$ 0.010 χ^2 /NDF: 76485.4/14

Right Out: -20.638 $\pm$ 0.019 χ^2 /NDF: 13783.4/18

Left In: -19.878 $\pm$ 0.010 χ^2 /NDF: 48351.9/13

Left: -20.166 $\pm$ 0.007 χ^2 /NDF: 126418.4/28

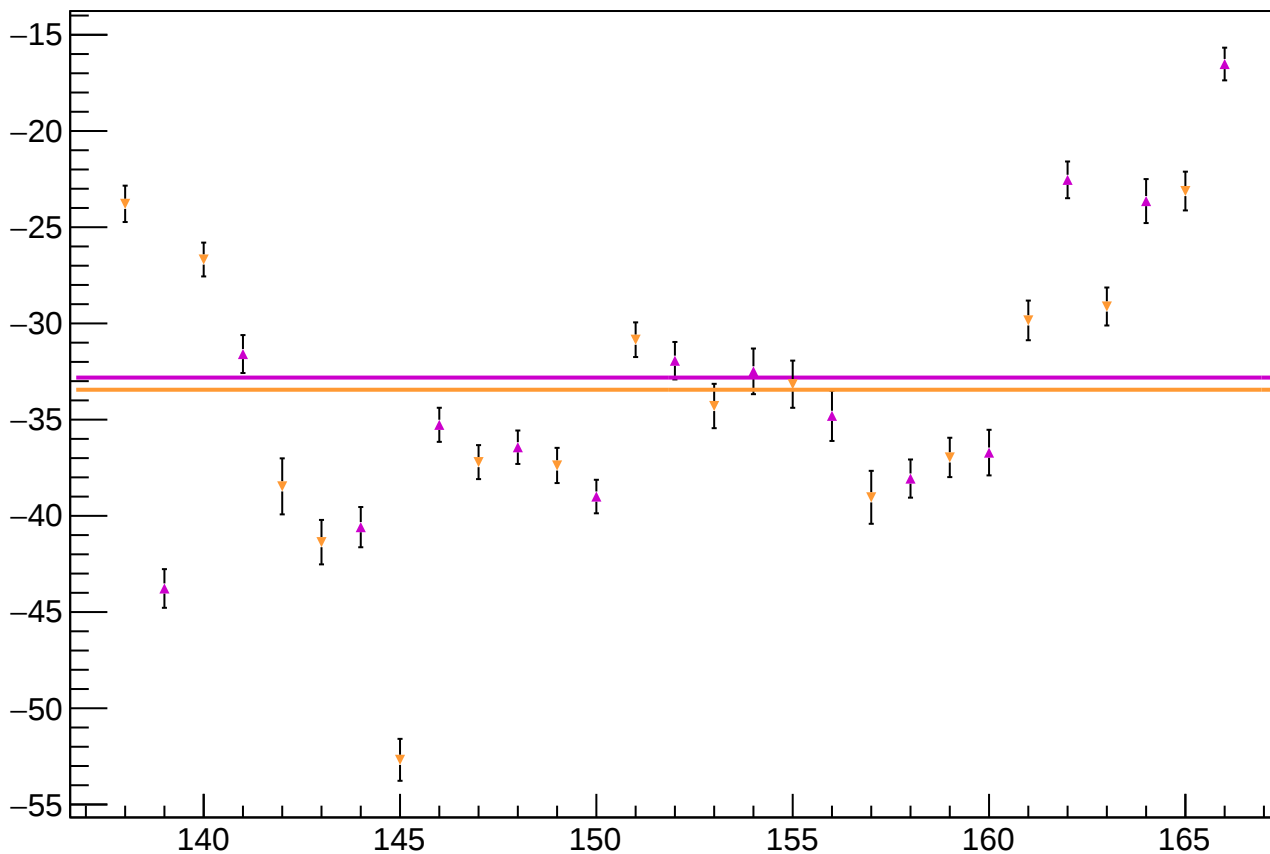
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26214.9/35

In: -20.047 $\pm$ 0.009 χ^2 /NDF: 61999.6/30

Out: -20.499 $\pm$ 0.009 χ^2 /NDF: 90334.0/33

All: -20.271 $\pm$ 0.006 χ^2 /NDF: 153561.9/64

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



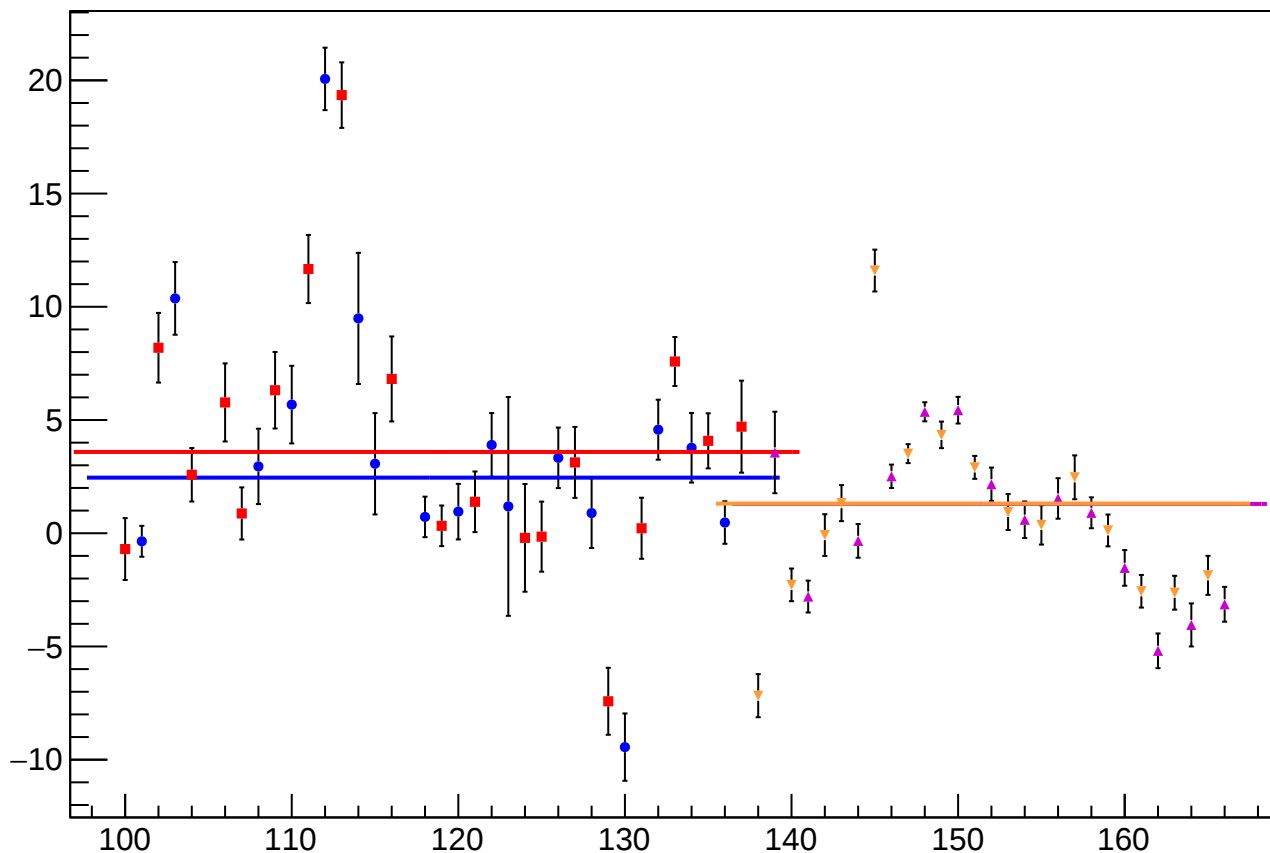
Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: -33.446+/-0.267 χ^2 /NDF:744.6/14
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: -32.814+/-0.266 χ^2 /NDF:841.5/13

Left: -33.129+/-0.188 χ^2 /NDF: 1588.9/28
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: -32.814+/-0.266 χ^2 /NDF:841.5/13
 Out: -33.446+/-0.267 χ^2 /NDF:744.6/14

All: -33.129+/-0.188 χ^2 /NDF: 1588.9/28

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 1.294 ± 0.185 χ^2/NDF : 340.3/13

Left: 1.302 ± 0.129 χ^2/NDF : 711.1/28

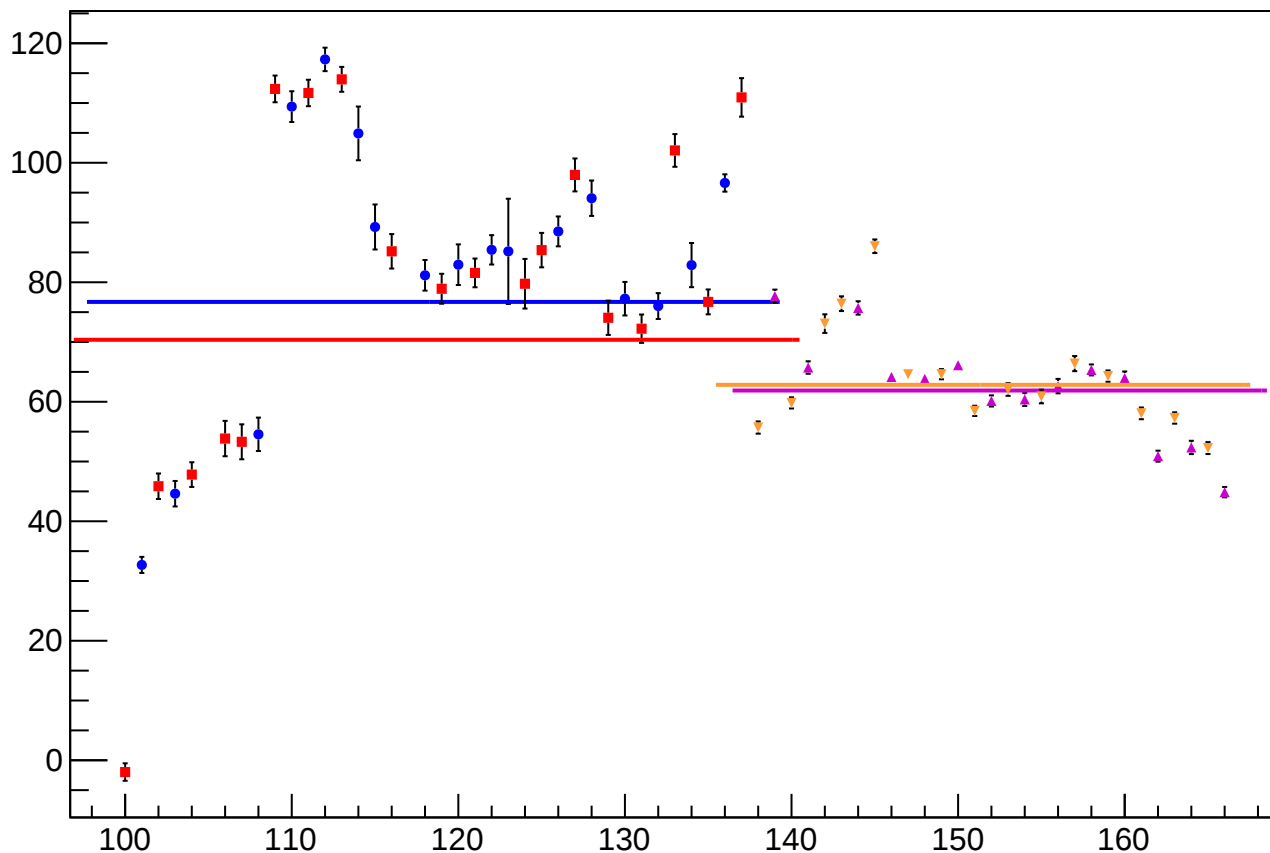
Right: 3.017 ± 0.224 χ^2/NDF : 579.8/35

In: 1.592 ± 0.159 χ^2/NDF : 643.9/30

Out: 1.868 ± 0.157 χ^2/NDF : 689.6/33

All: 1.731 ± 0.112 χ^2/NDF : 1335.0/64

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 62.834 $\pm$ 0.261 χ^2 /NDF:856.6/14

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

Left In: 61.883 $\pm$ 0.259 χ^2 /NDF:1043.4/13

Left: 62.353 $\pm$ 0.184 χ^2 /NDF: 1906.7/28

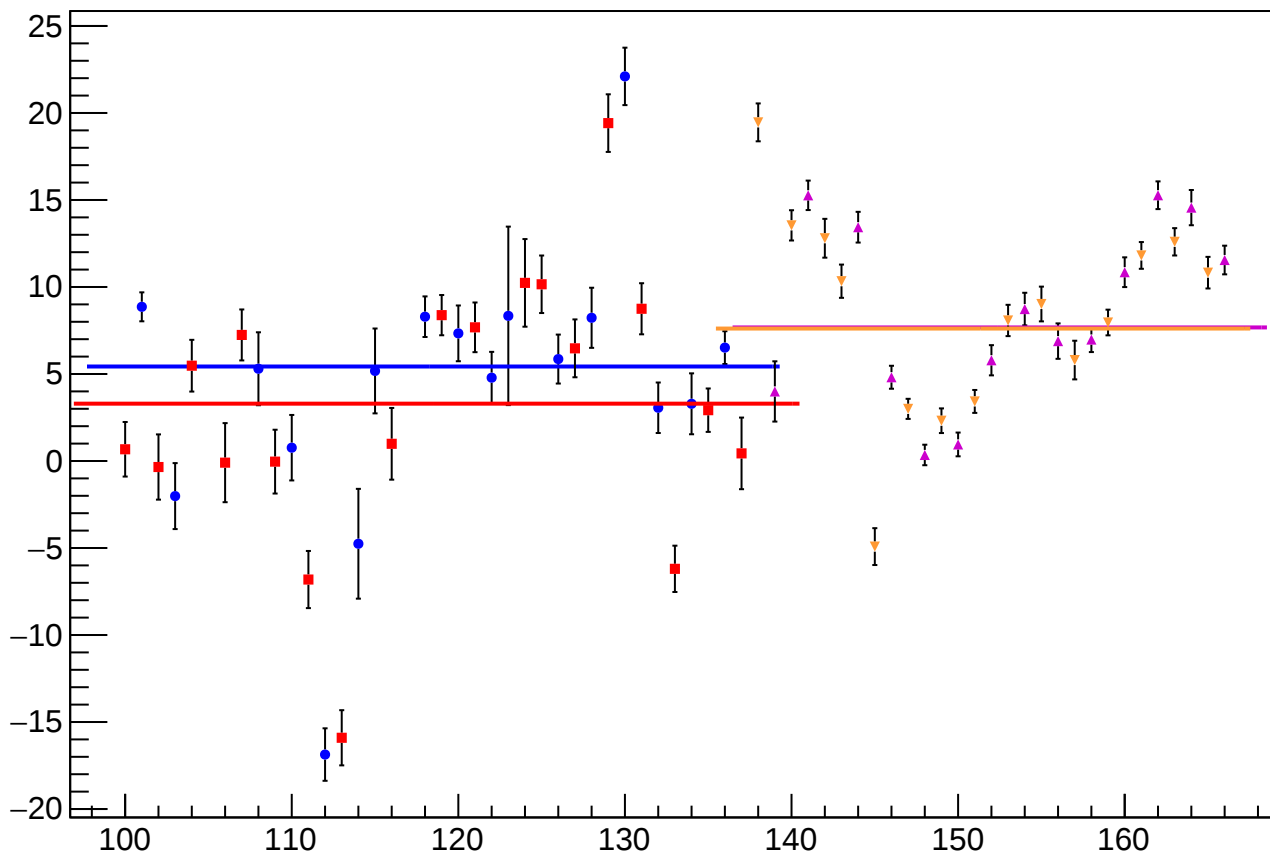
Right: 73.396 $\pm$ 0.398 χ^2 /NDF: 6720.6/35

In: 64.368 $\pm$ 0.236 χ^2 /NDF:3861.1/30

Out: 64.224 $\pm$ 0.236 χ^2 /NDF:5400.7/33

All: 64.296 $\pm$ 0.167 χ^2 /NDF: 9262.0/64

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 7.676 ± 0.218 $\chi^2/\text{NDF}: 578.5/13$

Left: 7.643 ± 0.153 $\chi^2/\text{NDF}: 1161.2/28$

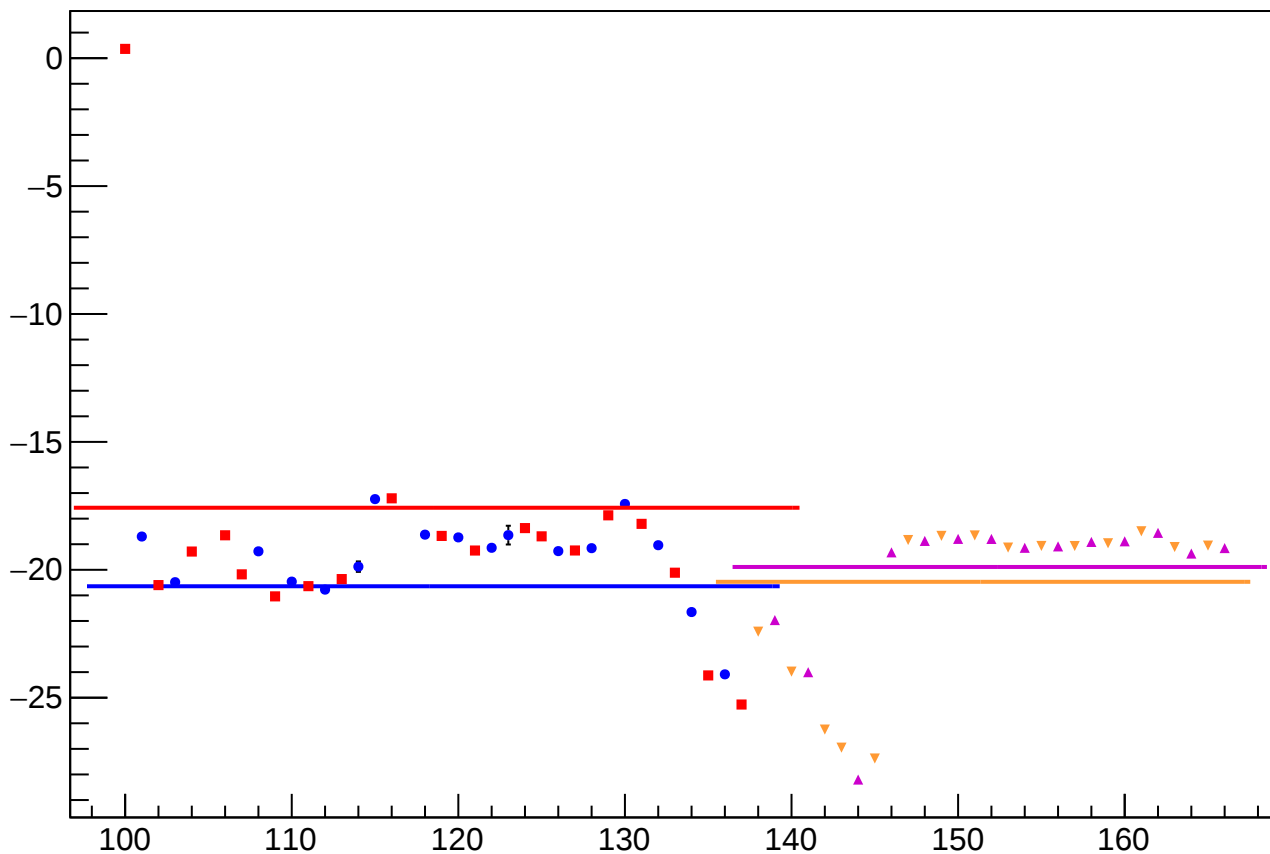
Right: 4.376 ± 0.257 $\chi^2/\text{NDF}: 829.3/35$

In: 7.076 ± 0.186 $\chi^2/\text{NDF}: 992.8/30$

Out: 6.501 ± 0.185 $\chi^2/\text{NDF}: 1112.6/33$

All: 6.787 ± 0.131 $\chi^2/\text{NDF}: 2110.2/64$

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643 ± 0.019 χ^2/NDF : 12468.6/16

Left Out: -20.469 ± 0.010 χ^2/NDF : 76340.9/14

Right Out: -17.574 ± 0.018 χ^2/NDF : 178327.0/18

Left In: -19.889 ± 0.010 χ^2/NDF : 48277.6/13

Left: -20.177 ± 0.007 χ^2/NDF : 126189.3/28

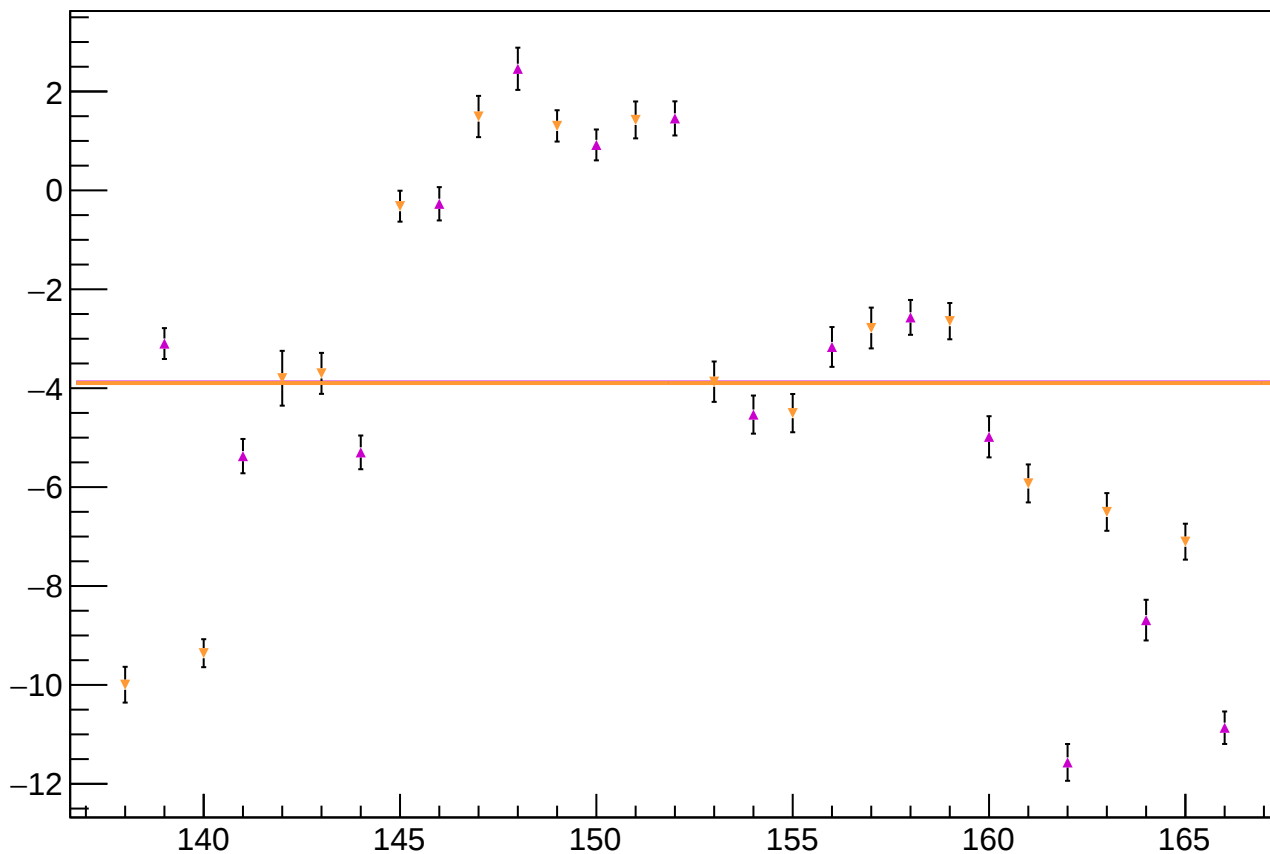
Right: -19.001 ± 0.013 χ^2/NDF : 204262.7/35

In: -20.056 ± 0.009 χ^2/NDF : 61930.1/30

Out: -19.747 ± 0.009 χ^2/NDF : 274010.3/33

All: -19.900 ± 0.006 χ^2/NDF : 336523.3/64

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



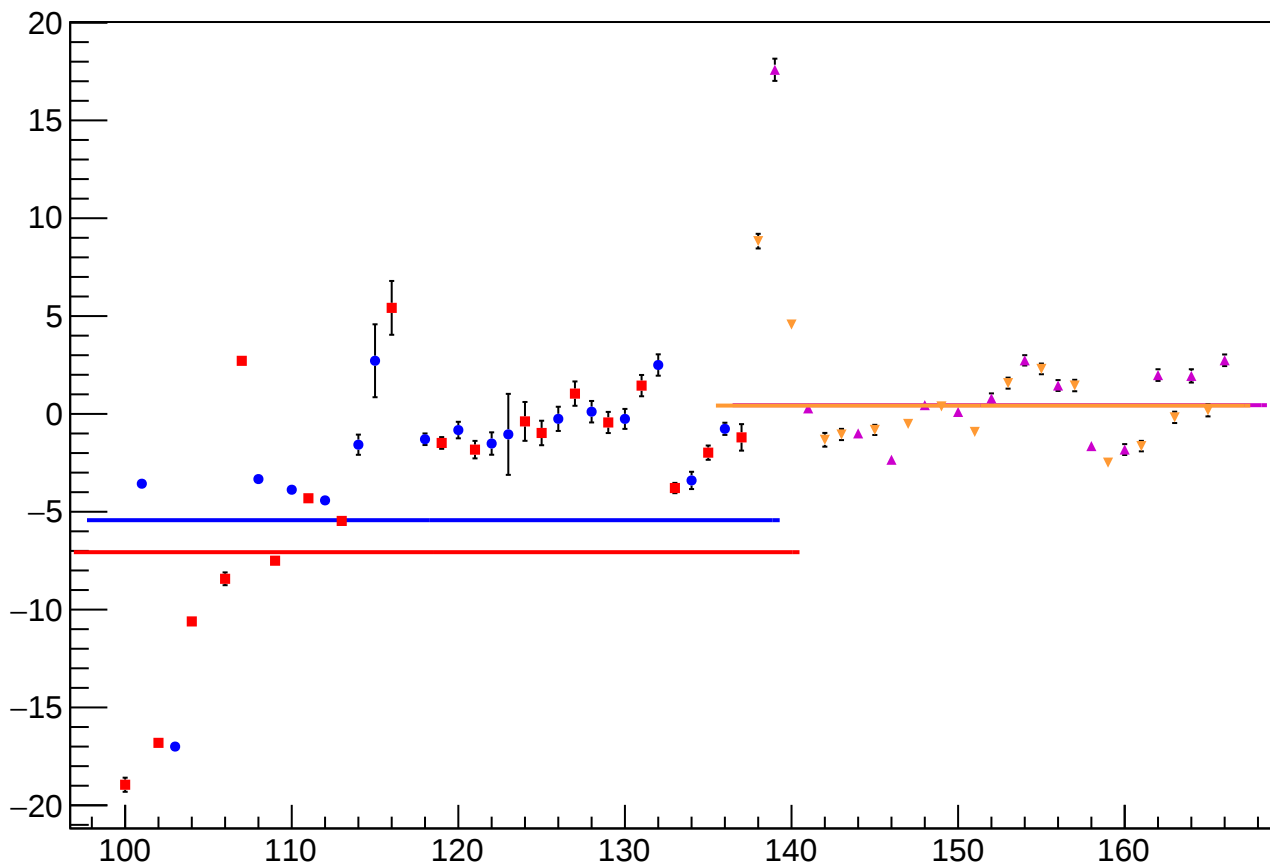
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.896+/-0.096 χ^2/NDF :1601.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.885+/-0.096 χ^2/NDF :1895.5/13

Left: -3.891+/-0.068 χ^2/NDF : 3497.1/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -3.885+/-0.096 χ^2/NDF :1895.5/13
 Out: -3.896+/-0.096 χ^2/NDF :1601.6/14

All: -3.891+/-0.068 χ^2/NDF : 3497.1/28

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 0.426 ± 0.068 χ^2/NDF : 1220.6/14

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

Left In: 0.446 ± 0.070 χ^2/NDF : 1457.8/13

Left: 0.436 ± 0.049 χ^2/NDF : 2678.4/28

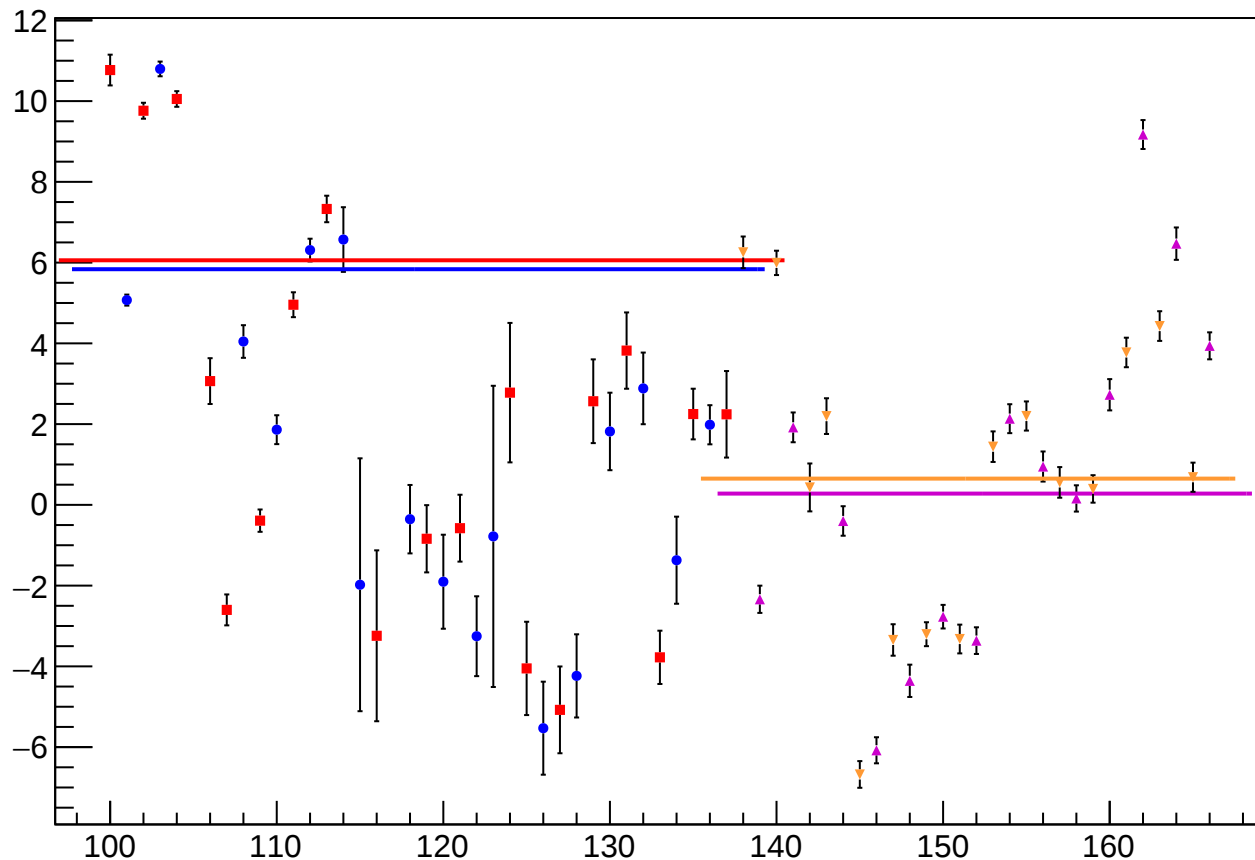
Right: -6.189 ± 0.040 χ^2/NDF : 21952.0/35

In: -3.182 ± 0.043 χ^2/NDF : 15082.2/30

Out: -3.826 ± 0.044 χ^2/NDF : 20494.2/33

All: -3.494 ± 0.031 χ^2/NDF : 35684.4/64

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: 0.650 ± 0.094 $\chi^2/\text{NDF}: 1622.8/14$

Right Out: 6.057 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

Left In: 0.279 ± 0.094 $\chi^2/\text{NDF}: 1880.8/13$

Left: 0.464 ± 0.066 $\chi^2/\text{NDF}: 3511.4/28$

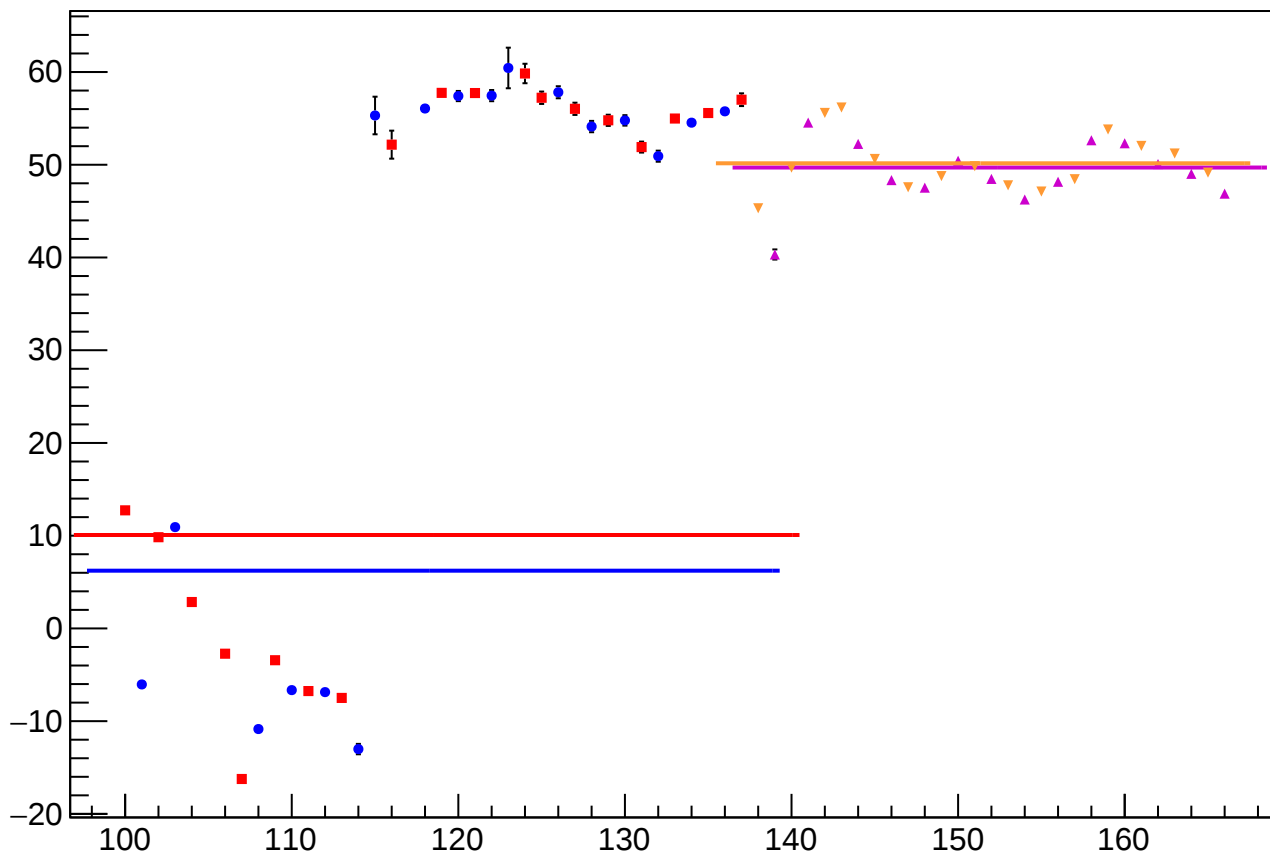
Right: 5.942 ± 0.065 $\chi^2/\text{NDF}: 4112.7/35$

In: 3.174 ± 0.065 $\chi^2/\text{NDF}: 5161.9/30$

Out: 3.372 ± 0.066 $\chi^2/\text{NDF}: 5958.7/33$

All: 3.271 ± 0.046 $\chi^2/\text{NDF}: 11125.2/64$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226+/-0.065 χ^2/NDF : 120955.1/16

Left Out: 50.157+/-0.079 χ^2/NDF :1155.3/14

Right Out: 10.075+/-0.070 χ^2/NDF : 122049.3/18

Left In: 49.700+/-0.080 χ^2/NDF :1184.5/13

Left: 49.933+/-0.056 χ^2/NDF : 2356.4/28

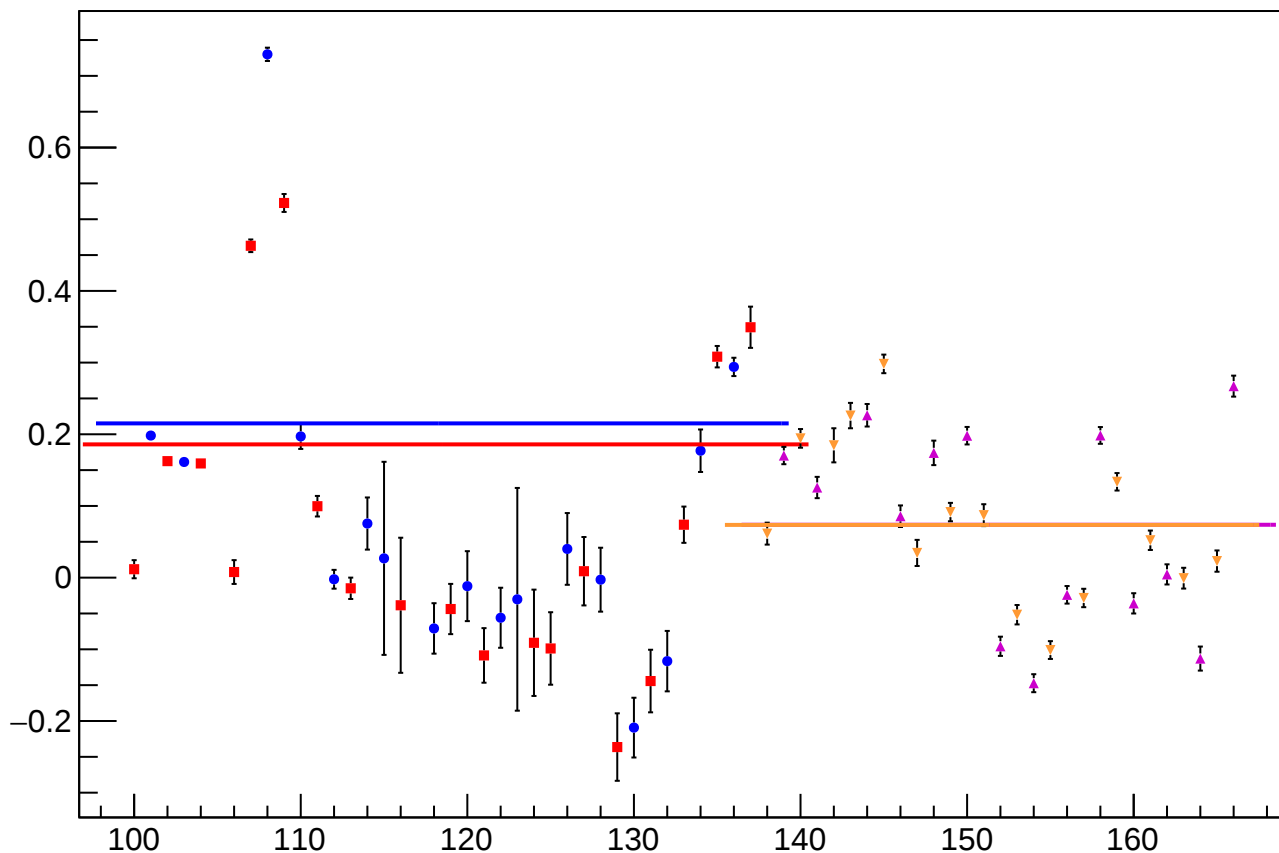
Right: 8.011+/-0.047 χ^2/NDF : 244638.0/35

In: 23.359+/-0.050 χ^2/NDF :299362.5/30

Out: 27.667+/-0.052 χ^2/NDF :268196.2/33

All: 25.439+/-0.036 χ^2/NDF : 571076.2/64

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.074 $\pm$ 0.004 χ^2/NDF : 901.3/14

Right Out: 0.186 $\pm$ 0.003 χ^2/NDF : 2718.1/18

Left In: 0.074 $\pm$ 0.004 χ^2/NDF : 1339.3/13

Left: 0.074 $\pm$ 0.003 χ^2/NDF : 2240.6/28

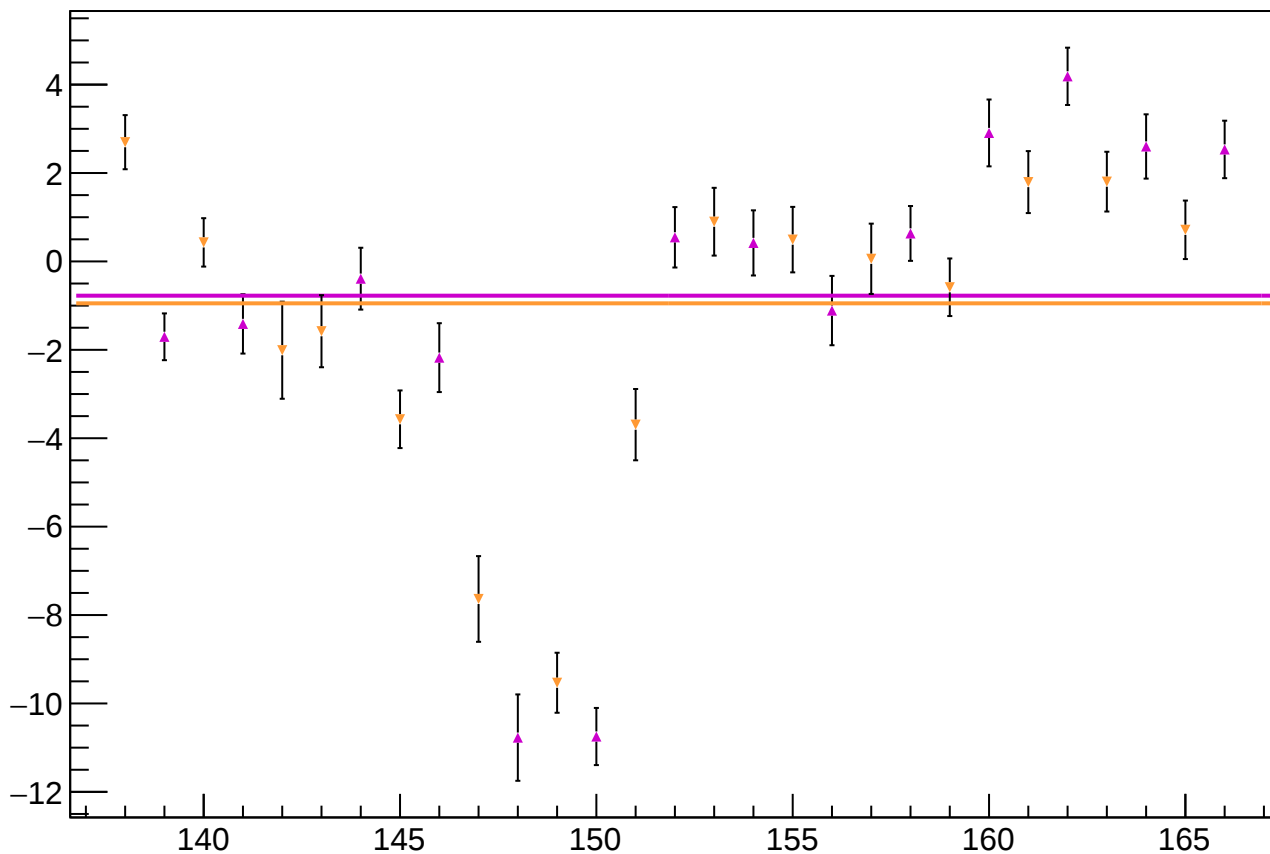
Right: 0.200 $\pm$ 0.002 χ^2/NDF : 6701.6/35

In: 0.164 $\pm$ 0.002 χ^2/NDF : 6210.6/30

Out: 0.147 $\pm$ 0.002 χ^2/NDF : 4227.5/33

All: 0.155 $\pm$ 0.002 χ^2/NDF : 10468.6/64

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.948 $\pm$ 0.184 χ^2 /NDF:328.2/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.775 $\pm$ 0.184 χ^2 /NDF:491.6/13

Left: -0.862 $\pm$ 0.130 χ^2 /NDF: 820.3/28

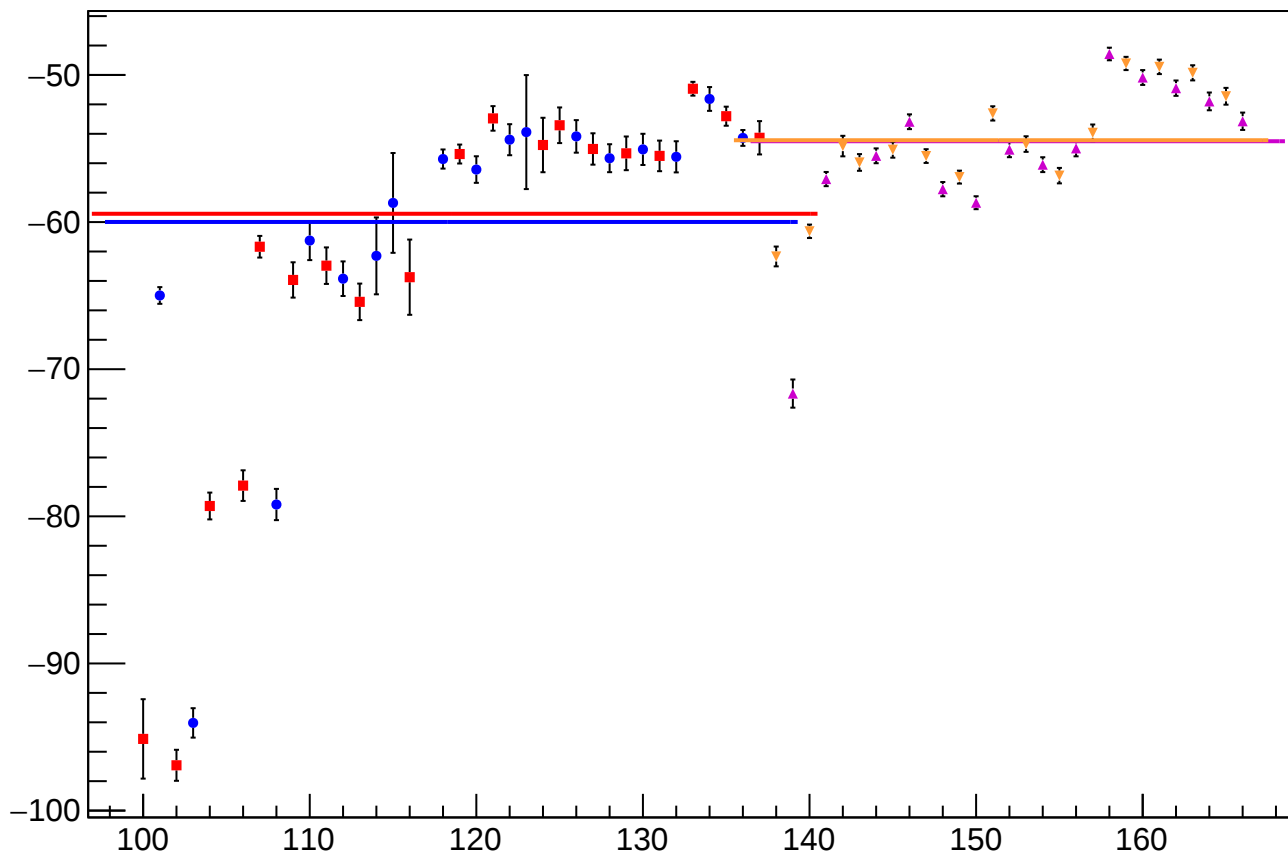
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.775 $\pm$ 0.184 χ^2 /NDF:491.6/13

Out: -0.948 $\pm$ 0.184 χ^2 /NDF:328.2/14

All: -0.862 $\pm$ 0.130 χ^2 /NDF: 820.3/28

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.438 ± 0.134 χ^2/NDF : 747.4/14

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

Left In: -54.505 ± 0.138 χ^2/NDF : 845.1/13

Left: -54.470 ± 0.096 χ^2/NDF : 1592.6/28

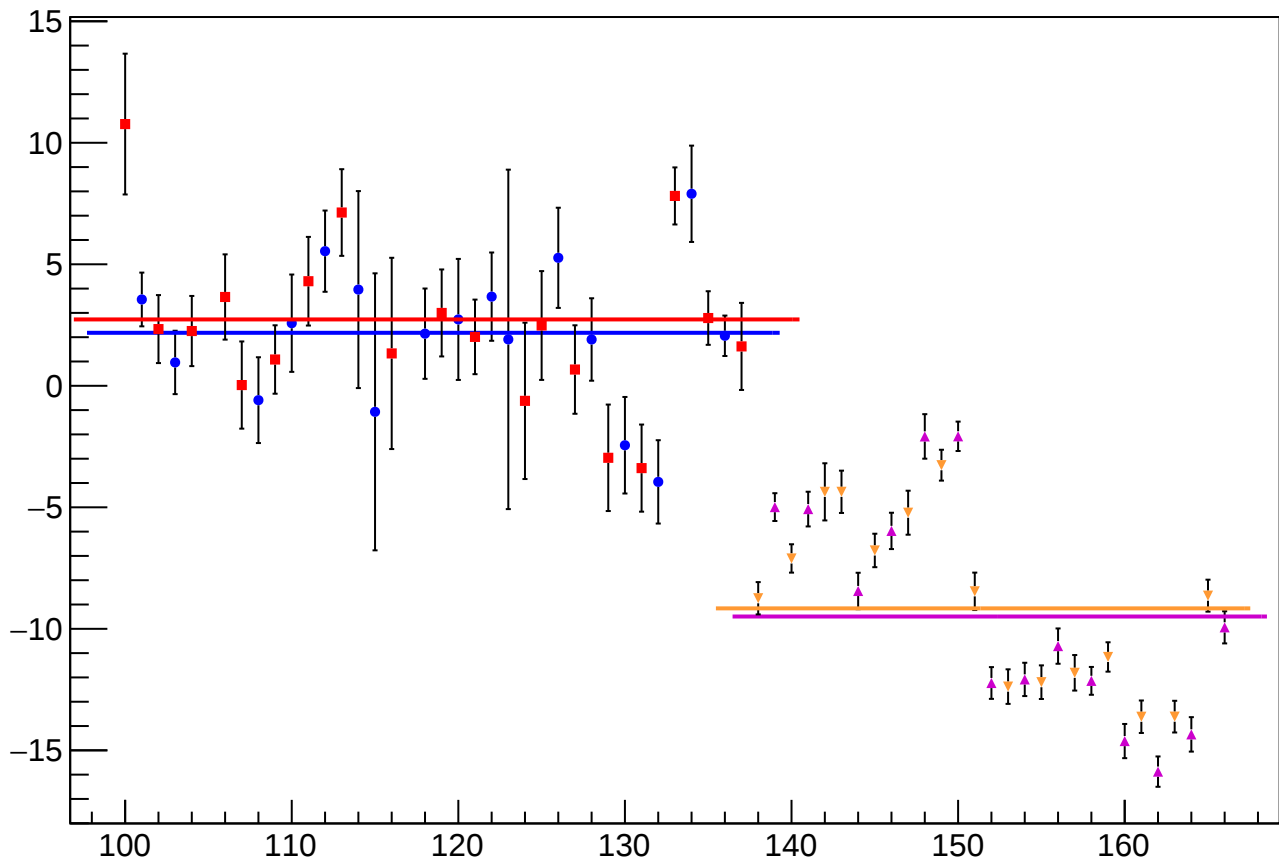
Right: -59.697 ± 0.154 χ^2/NDF : 4894.0/35

In: -56.007 ± 0.118 χ^2/NDF : 3250.0/30

Out: -55.864 ± 0.113 χ^2/NDF : 4062.5/33

All: -55.933 ± 0.082 χ^2/NDF : 7313.3/64

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -9.159 ± 0.182 $\chi^2/\text{NDF}: 333.3/14$

Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -9.493 ± 0.180 $\chi^2/\text{NDF}: 601.0/13$

Left: -9.327 ± 0.128 $\chi^2/\text{NDF}: 936.0/28$

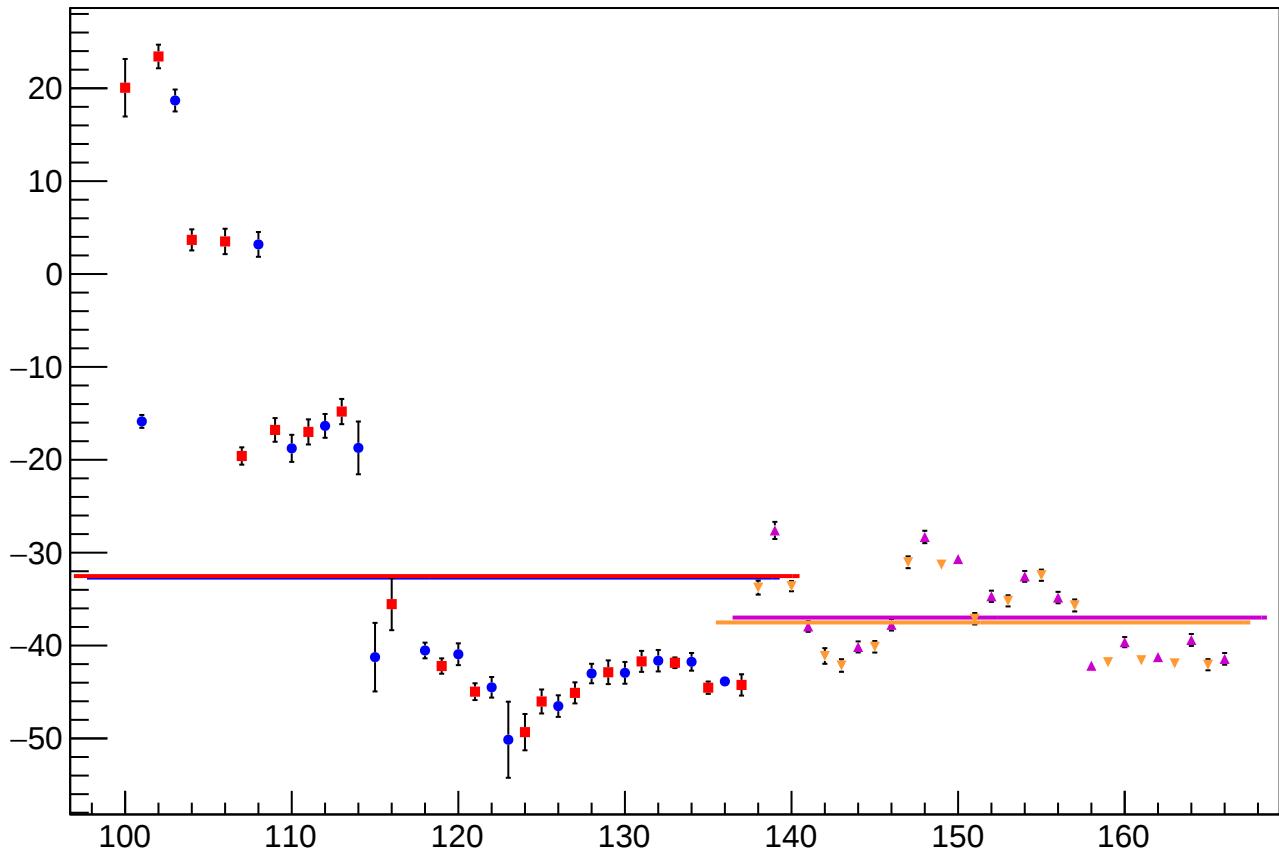
Right: 2.468 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$

In: -7.569 ± 0.165 $\chi^2/\text{NDF}: 1331.8/30$

Out: -7.022 ± 0.164 $\chi^2/\text{NDF}: 1162.5/33$

All: -7.295 ± 0.116 $\chi^2/\text{NDF}: 2499.9/64$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -36.988 ± 0.157 $\chi^2/\text{NDF}: 822.3/13$

Left: -37.256 ± 0.110 $\chi^2/\text{NDF}: 1587.9/28$

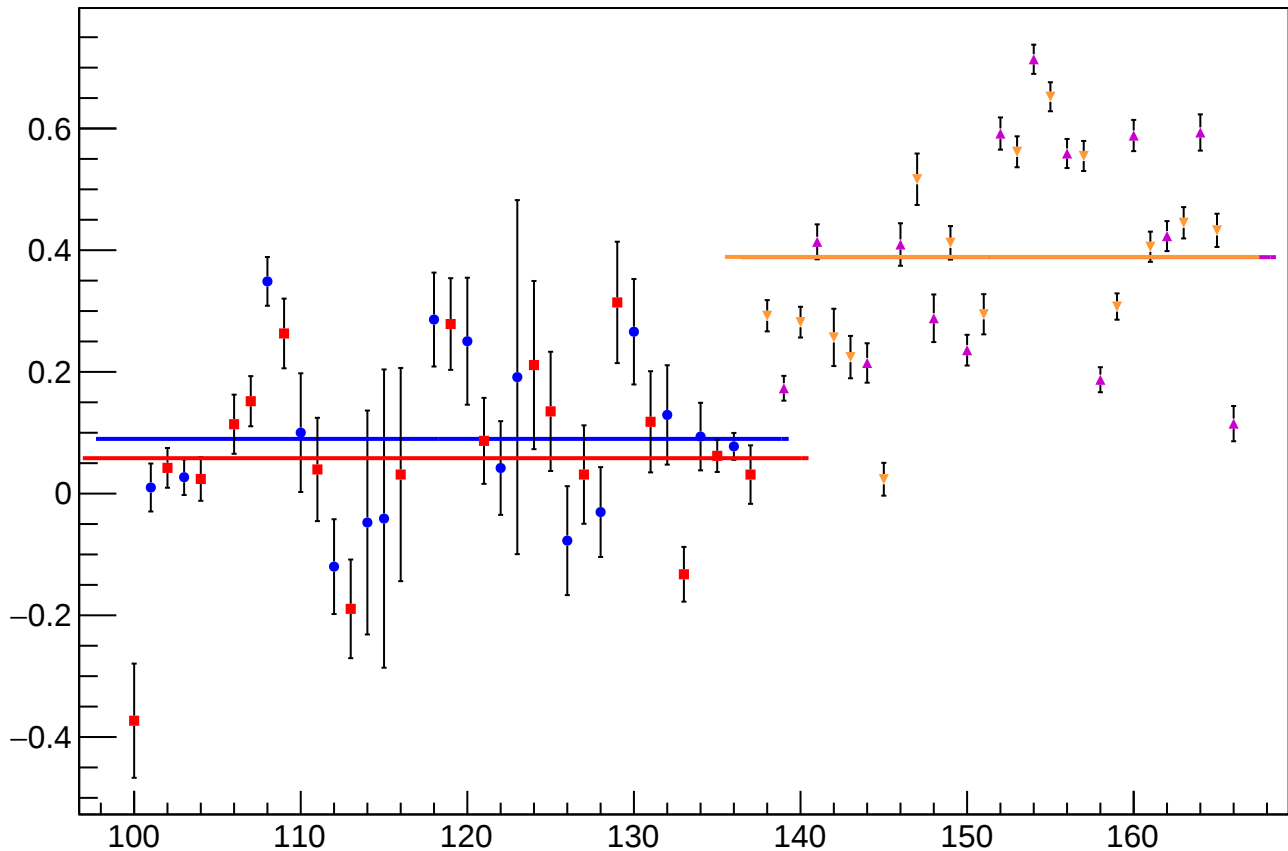
Right: -32.599 ± 0.177 $\chi^2/\text{NDF}: 10692.4/35$

In: -35.809 ± 0.134 $\chi^2/\text{NDF}: 5675.0/30$

Out: -36.091 ± 0.130 $\chi^2/\text{NDF}: 7104.4/33$

All: -35.954 ± 0.093 $\chi^2/\text{NDF}: 12781.7/64$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.389 $\pm$ 0.007 χ^2 /NDF: 499.0/14

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.1/18

Left In: 0.389 $\pm$ 0.007 χ^2 /NDF: 773.2/13

Left: 0.389 $\pm$ 0.005 χ^2 /NDF: 1272.2/28

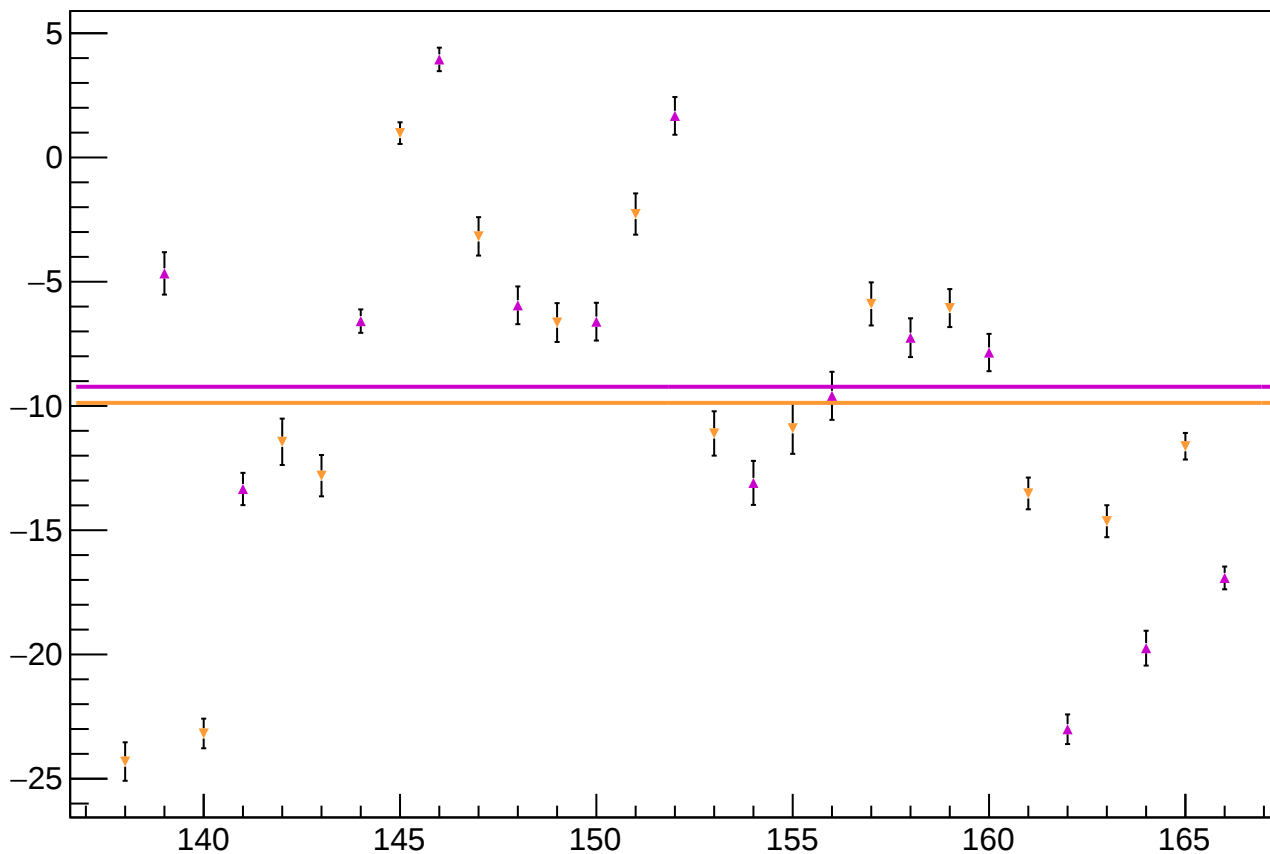
Right: 0.073 $\pm$ 0.009 χ^2 /NDF: 169.1/35

In: 0.319 $\pm$ 0.006 χ^2 /NDF: 1273.8/30

Out: 0.306 $\pm$ 0.006 χ^2 /NDF: 1139.0/33

All: 0.312 $\pm$ 0.004 χ^2 /NDF: 2415.2/64

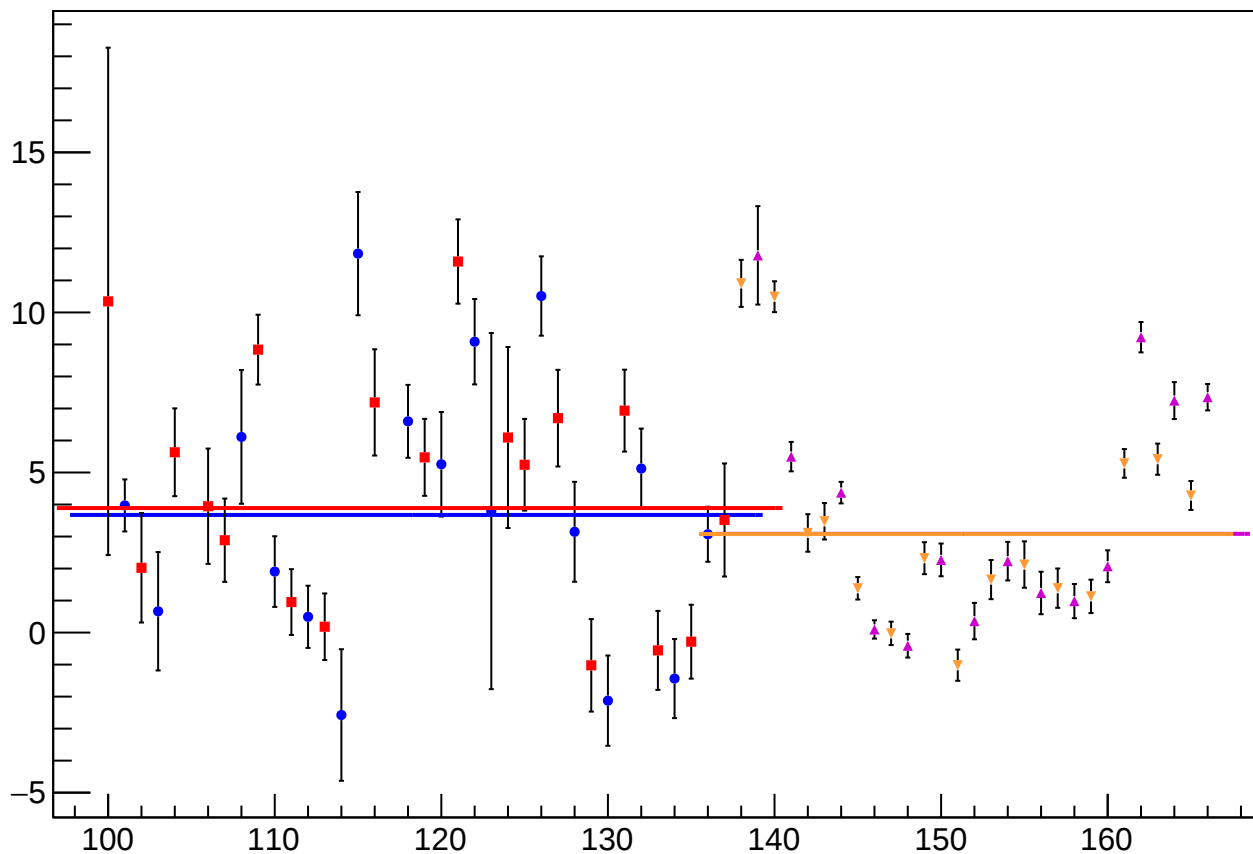
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.876 $\pm$ 0.180 χ^2 /NDF:1802.3/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -9.227 $\pm$ 0.173 χ^2 /NDF:2183.7/13

Left: -9.538 $\pm$ 0.125 χ^2 /NDF: 3992.7/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -9.227 $\pm$ 0.173 χ^2 /NDF:2183.7/13
 Out: -9.876 $\pm$ 0.180 χ^2 /NDF:1802.3/14
 All: -9.538 $\pm$ 0.125 χ^2 /NDF: 3992.7/28

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675+/-0.310 χ^2/NDF : 135.2/16

Left Out: 3.078+/-0.128 χ^2/NDF : 601.3/14

Right Out: 3.890+/-0.316 χ^2/NDF : 133.7/18

Left In: 3.085+/-0.123 χ^2/NDF : 654.0/13

Left: 3.081+/-0.089 χ^2/NDF : 1255.3/28

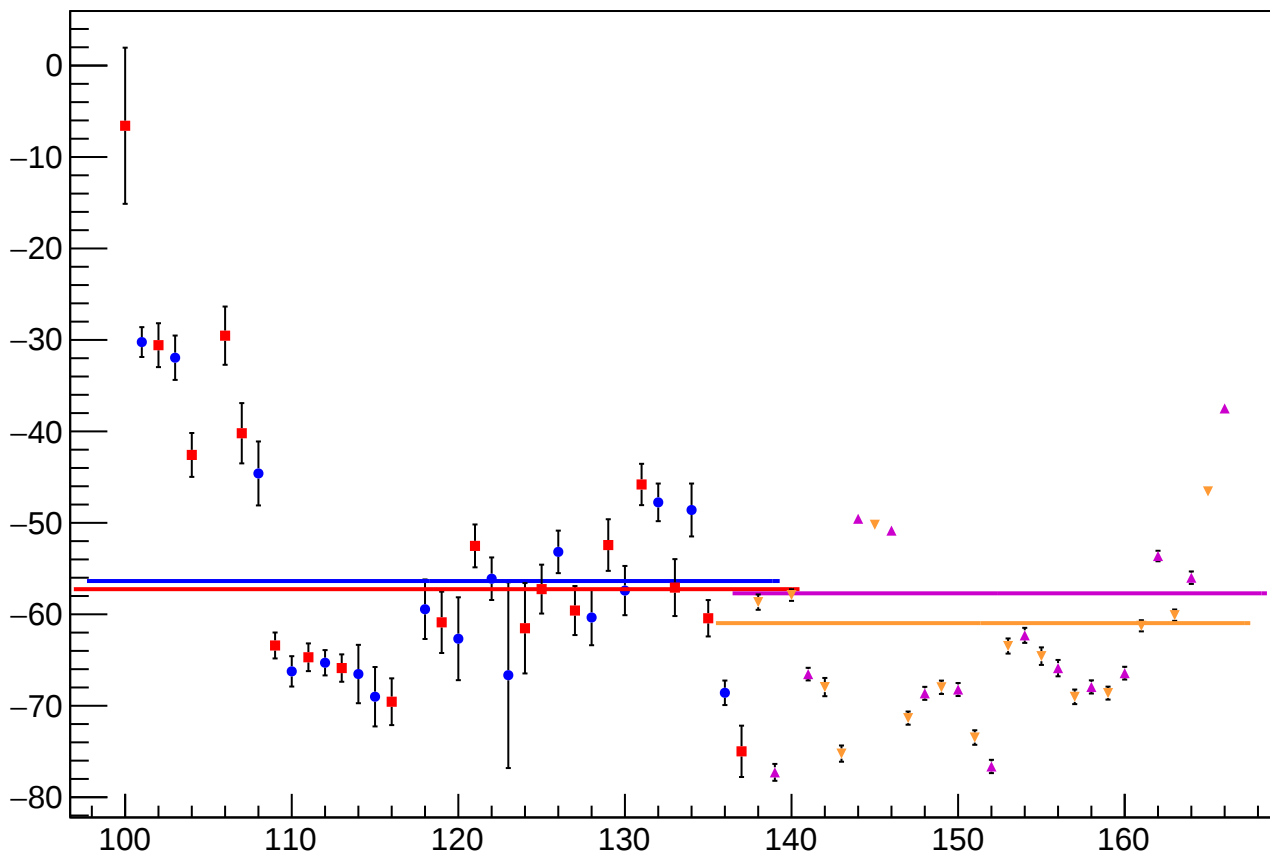
Right: 3.780+/-0.221 χ^2/NDF : 269.1/35

In: 3.165+/-0.114 χ^2/NDF : 792.3/30

Out: 3.192+/-0.119 χ^2/NDF : 740.7/33

All: 3.178+/-0.082 χ^2/NDF : 1533.0/64

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 $\chi^2/\text{NDF}: 587.2/16$

Left Out: -60.965 ± 0.179 $\chi^2/\text{NDF}: 2401.3/14$

Right Out: -57.252 ± 0.536 $\chi^2/\text{NDF}: 476.0/18$

Left In: -57.705 ± 0.171 $\chi^2/\text{NDF}: 4646.4/13$

Left: -59.254 ± 0.124 $\chi^2/\text{NDF}: 7221.1/28$

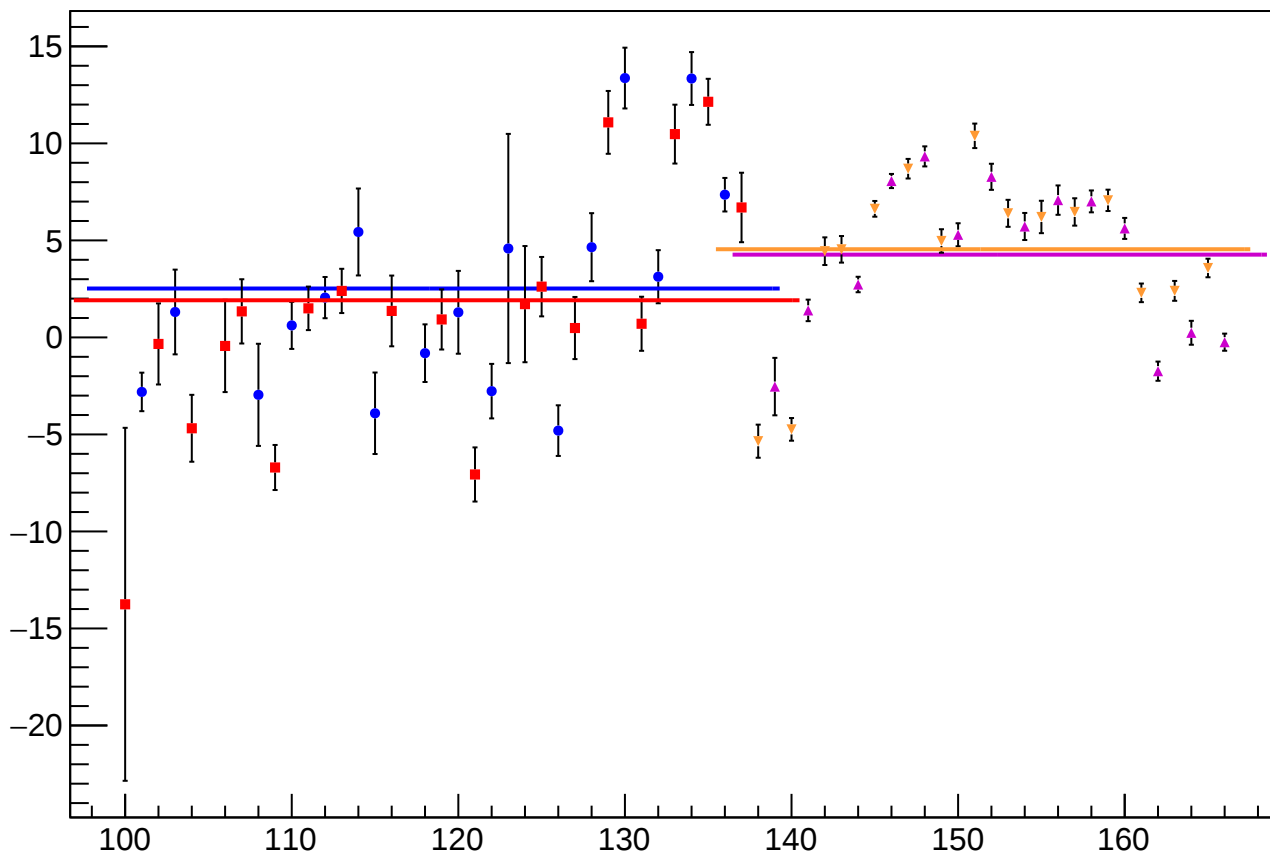
Right: -56.813 ± 0.382 $\chi^2/\text{NDF}: 1064.6/35$

In: -57.585 ± 0.163 $\chi^2/\text{NDF}: 5239.2/30$

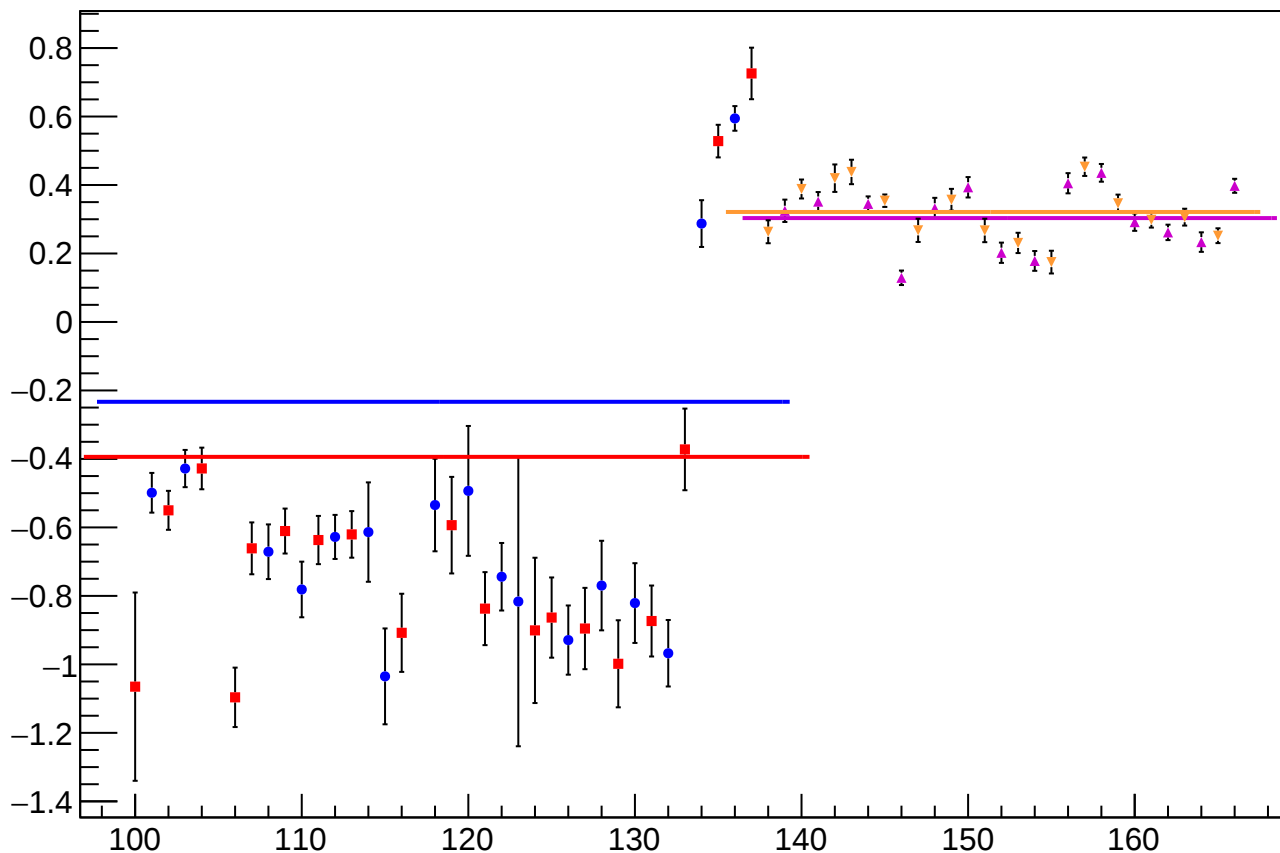
Out: -60.591 ± 0.170 $\chi^2/\text{NDF}: 2920.4/33$

All: -59.022 ± 0.118 $\chi^2/\text{NDF}: 8322.8/64$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.321 ± 0.007 χ^2/NDF : 100.6/14

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

Left In: 0.303 ± 0.007 χ^2/NDF : 184.2/13

Left: 0.312 ± 0.005 χ^2/NDF : 288.1/28

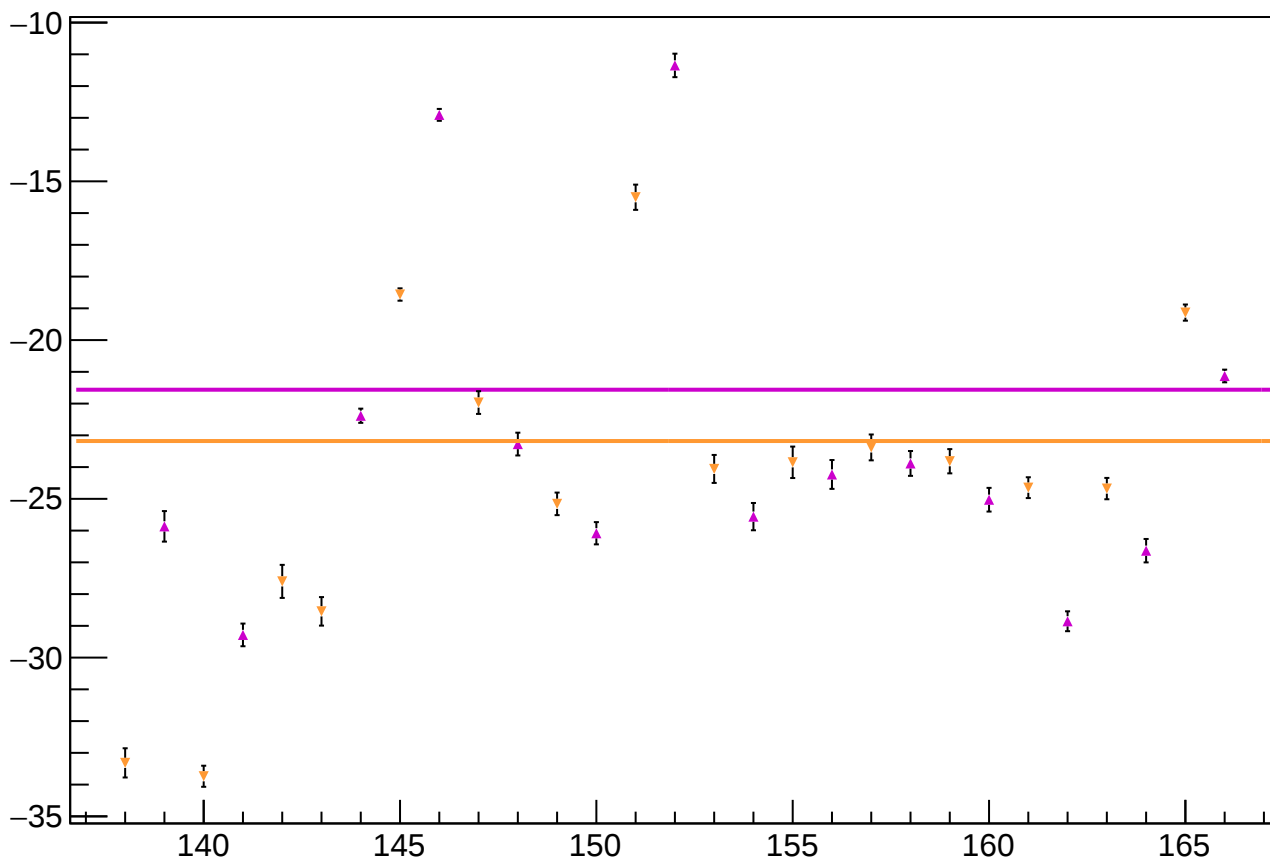
Right: -0.313 ± 0.013 χ^2/NDF : 1838.0/35

In: 0.240 ± 0.007 χ^2/NDF : 1851.3/30

Out: 0.234 ± 0.007 χ^2/NDF : 2191.8/33

All: 0.237 ± 0.005 χ^2/NDF : 4043.4/64

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



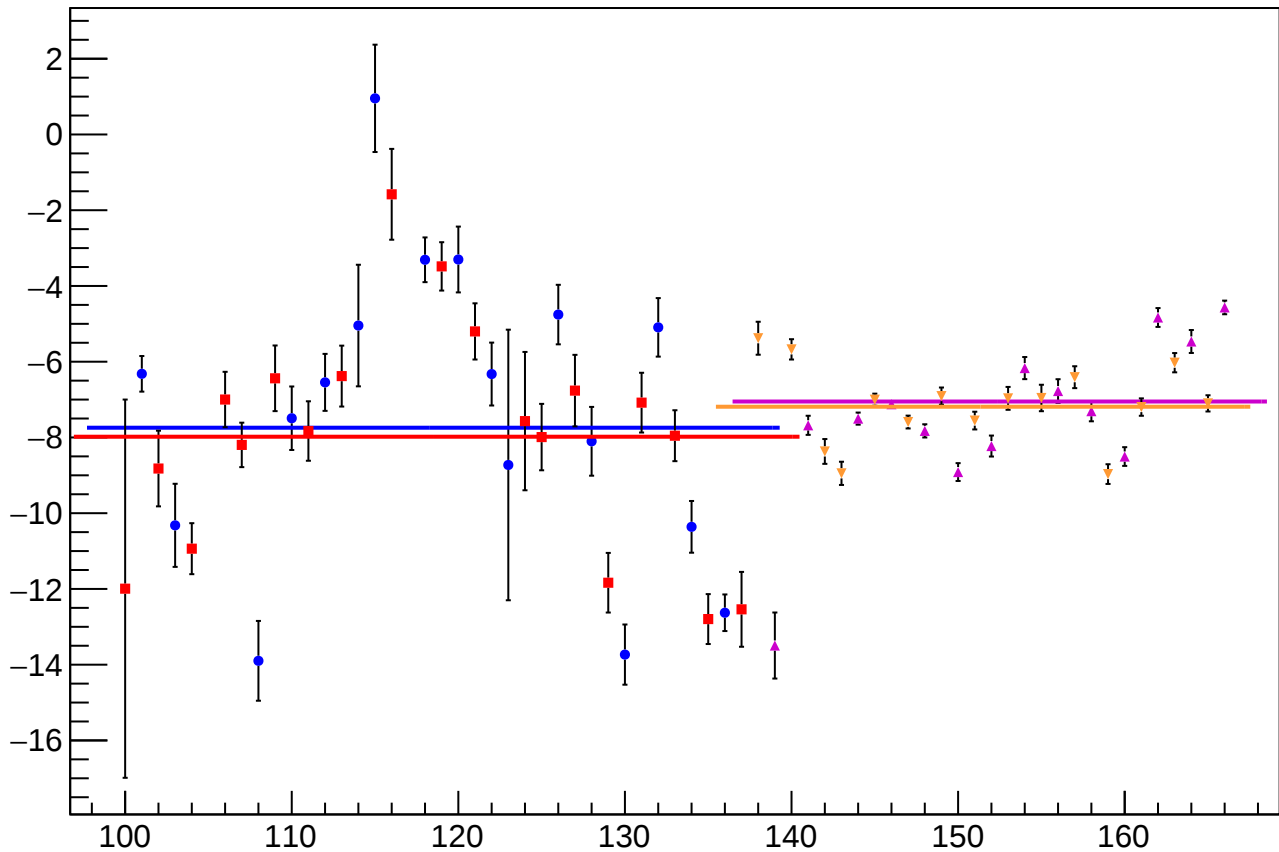
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -23.179 ± 0.089 $\chi^2/\text{NDF}: 2989.0/14$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -21.563 ± 0.082 $\chi^2/\text{NDF}: 4625.0/13$

Left: -22.301 ± 0.060 $\chi^2/\text{NDF}: 7793.5/28$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -21.563 ± 0.082 $\chi^2/\text{NDF}: 4625.0/13$
 Out: -23.179 ± 0.089 $\chi^2/\text{NDF}: 2989.0/14$

All: -22.301 ± 0.060 $\chi^2/\text{NDF}: 7793.5/28$

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.189 ± 0.063 χ^2/NDF : 182.2/14

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

Left In: -7.051 ± 0.057 χ^2/NDF : 512.4/13

Left: -7.114 ± 0.042 χ^2/NDF : 697.2/28

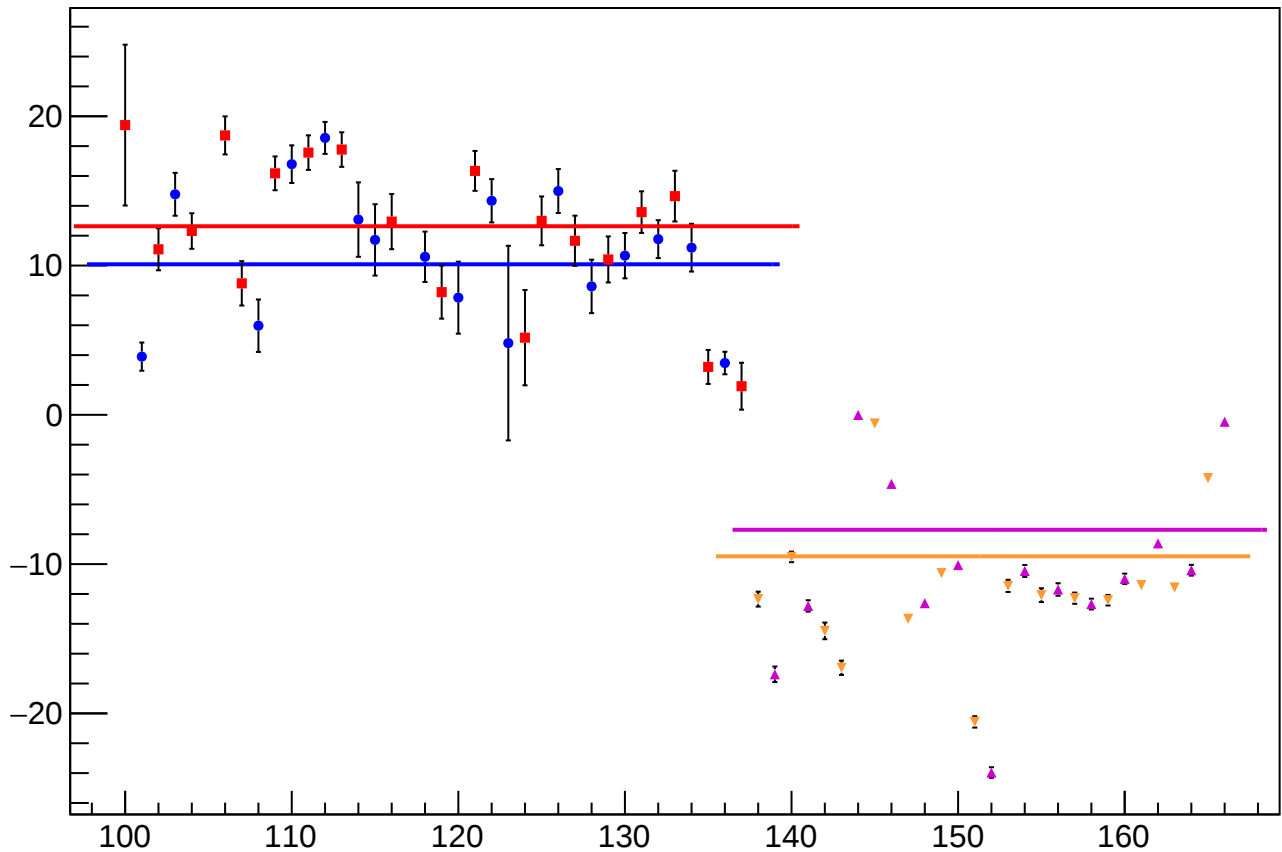
Right: -7.863 ± 0.132 χ^2/NDF : 601.9/35

In: -7.111 ± 0.055 χ^2/NDF : 902.4/30

Out: -7.270 ± 0.060 χ^2/NDF : 422.0/33

All: -7.184 ± 0.040 χ^2/NDF : 1328.3/64

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$

Left Out: -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: -7.699 ± 0.080 $\chi^2/\text{NDF}: 5970.6/13$

Left: -8.506 ± 0.059 $\chi^2/\text{NDF}: 10123.4/28$

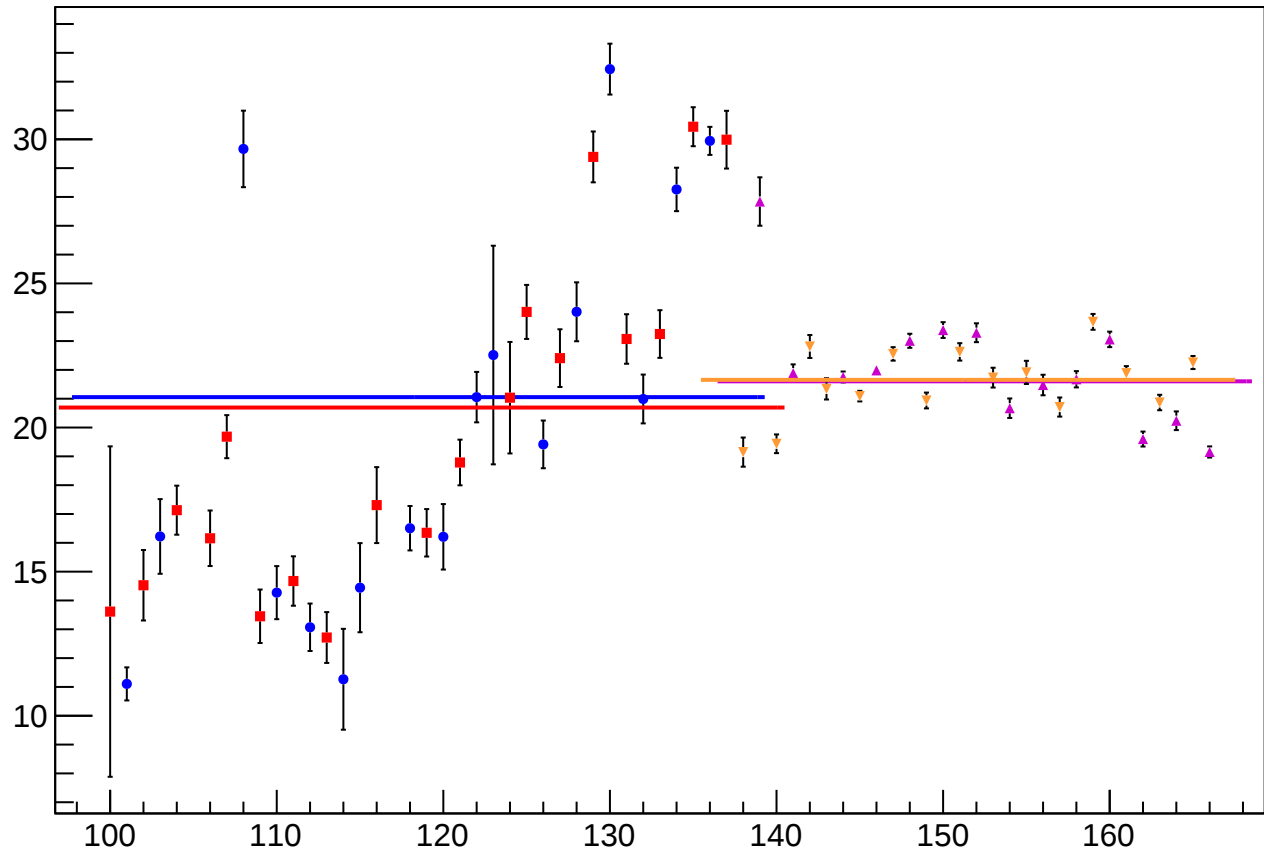
Right: 11.377 ± 0.237 $\chi^2/\text{NDF}: 500.1/35$

In: -6.752 ± 0.078 $\chi^2/\text{NDF}: 8844.9/30$

Out: -8.033 ± 0.085 $\chi^2/\text{NDF}: 8276.7/33$

All: -7.337 ± 0.057 $\chi^2/\text{NDF}: 17244.8/64$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 21.603 $\pm$ 0.067 χ^2 /NDF:441.4/13

Left: 21.627 $\pm$ 0.050 χ^2 /NDF: 642.3/28

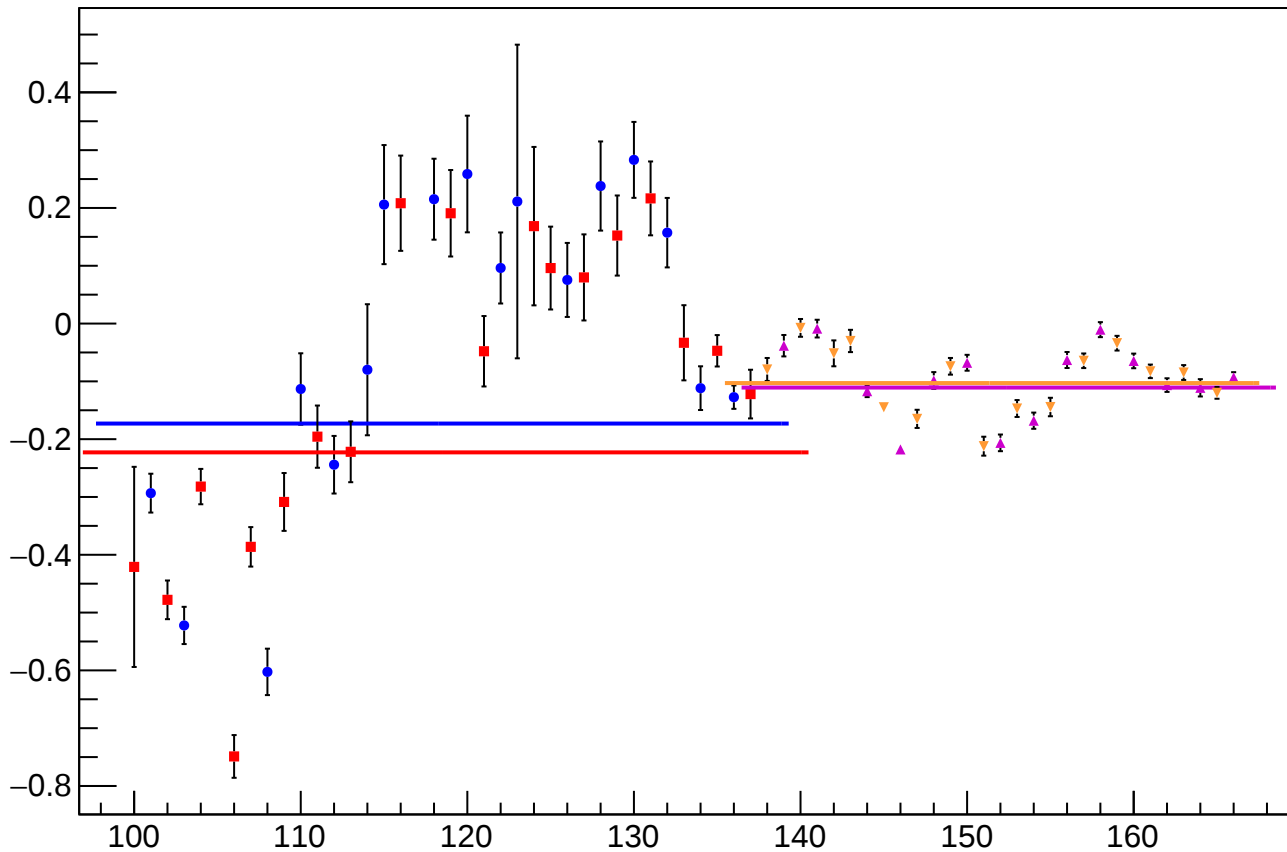
Right: 20.876 $\pm$ 0.150 χ^2 /NDF: 1937.3/35

In: 21.552 $\pm$ 0.064 χ^2 /NDF:1659.3/30

Out: 21.552 $\pm$ 0.069 χ^2 /NDF:943.0/33

All: 21.552 $\pm$ 0.047 χ^2 /NDF: 2602.2/64

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.103 ± 0.003 χ^2/NDF : 212.4/14

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

Left In: -0.111 ± 0.003 χ^2/NDF : 380.4/13

Left: -0.107 ± 0.002 χ^2/NDF : 595.4/28

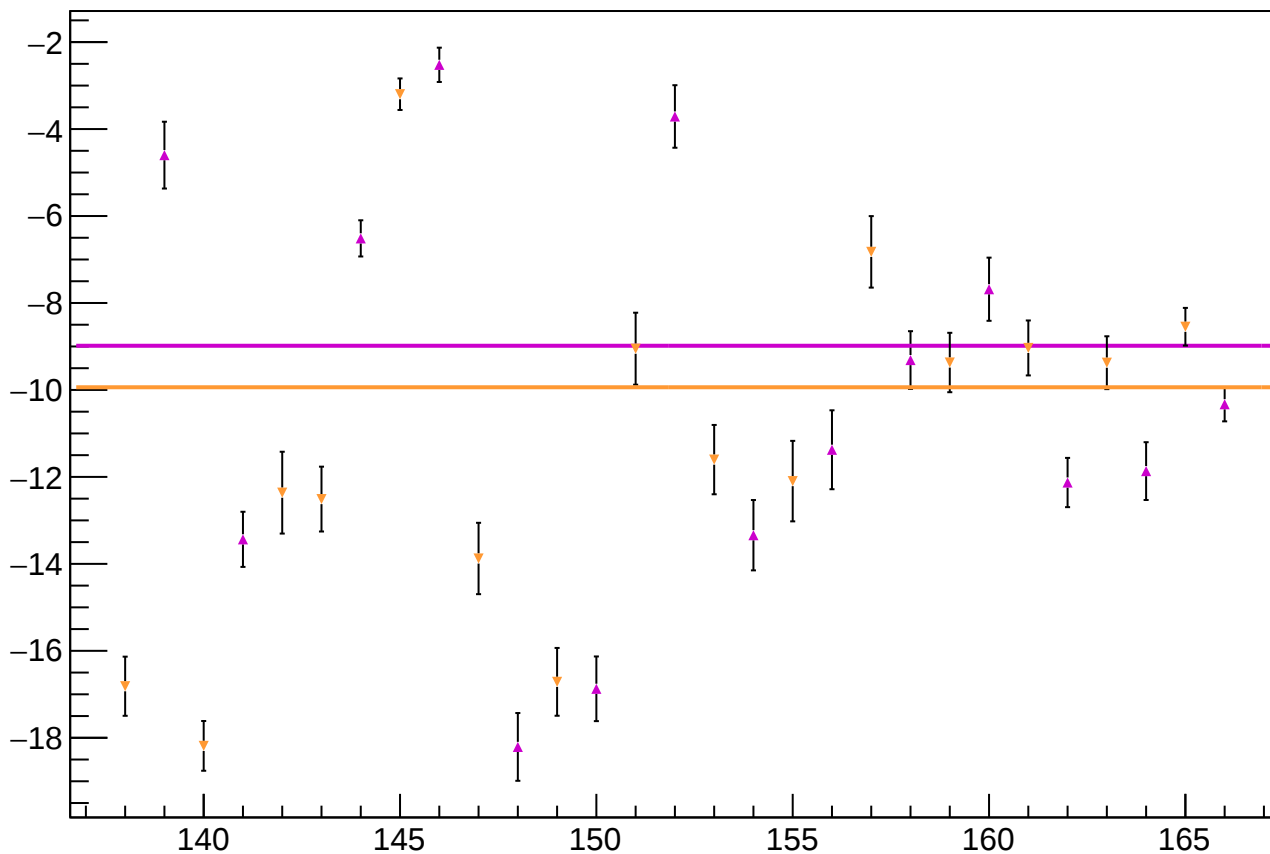
Right: -0.198 ± 0.008 χ^2/NDF : 1007.1/35

In: -0.116 ± 0.003 χ^2/NDF : 870.6/30

Out: -0.114 ± 0.003 χ^2/NDF : 856.4/33

All: -0.115 ± 0.002 χ^2/NDF : 1727.2/64

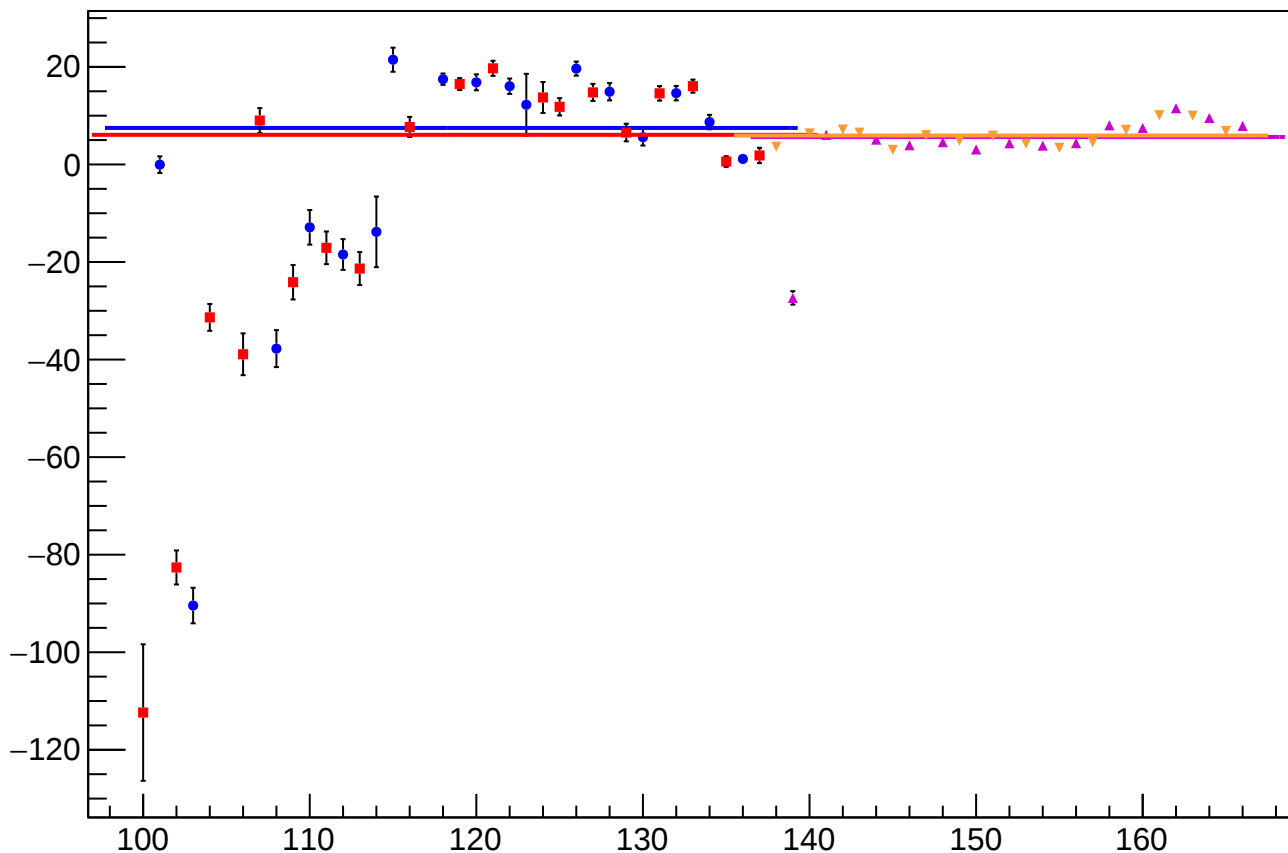
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.938+/-0.164 χ^2/NDF :811.7/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.984+/-0.157 χ^2/NDF :792.6/13

Left: -9.441+/-0.113 χ^2/NDF : 1621.9/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.984+/-0.157 χ^2/NDF :792.6/13
 Out: -9.938+/-0.164 χ^2/NDF :811.7/14
 All: -9.441+/-0.113 χ^2/NDF : 1621.9/28

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 5.639 ± 0.113 χ^2/NDF : 978.9/13

Left: 5.780 ± 0.082 χ^2/NDF : 1319.3/28

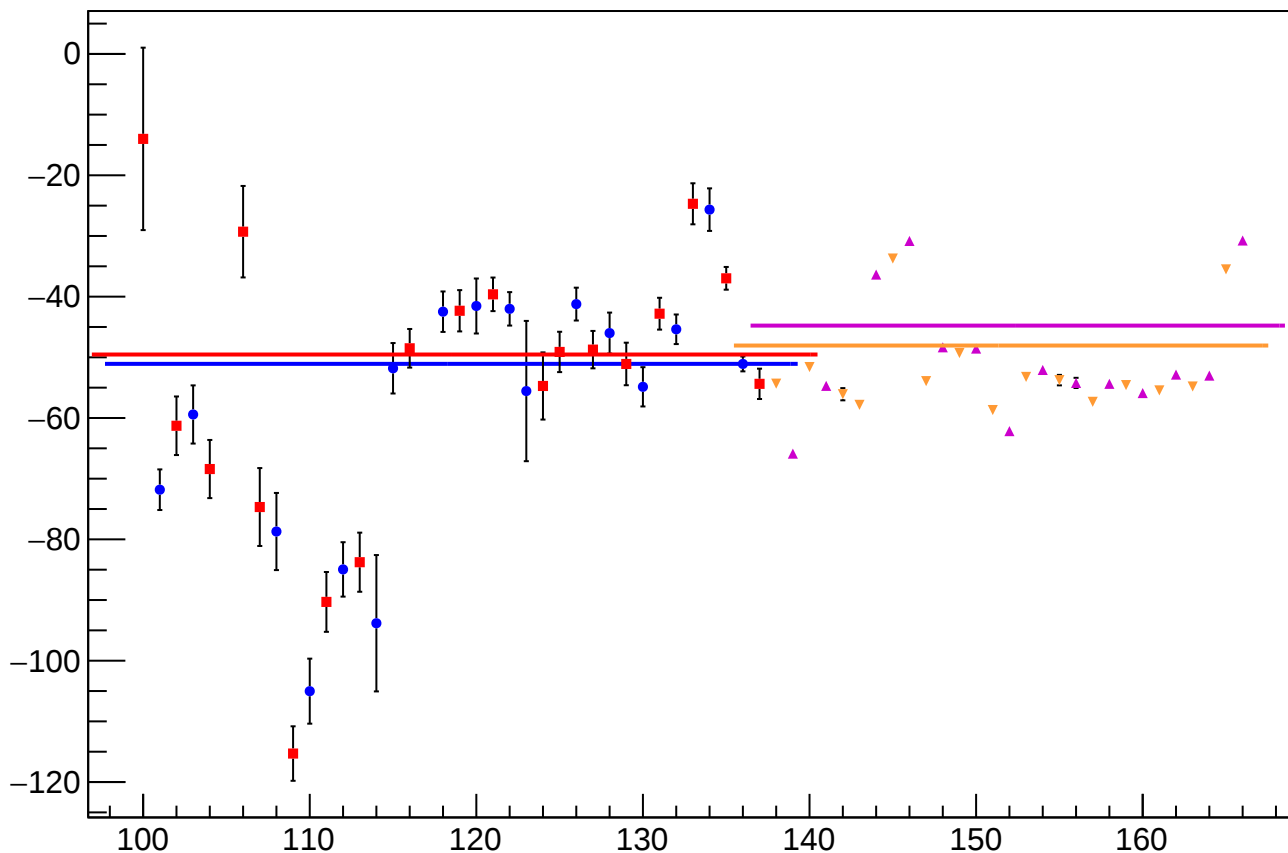
Right: 6.829 ± 0.297 χ^2/NDF : 2858.2/35

In: 5.771 ± 0.109 χ^2/NDF : 2338.6/30

Out: 5.946 ± 0.114 χ^2/NDF : 1849.3/33

All: 5.854 ± 0.079 χ^2/NDF : 4189.1/64

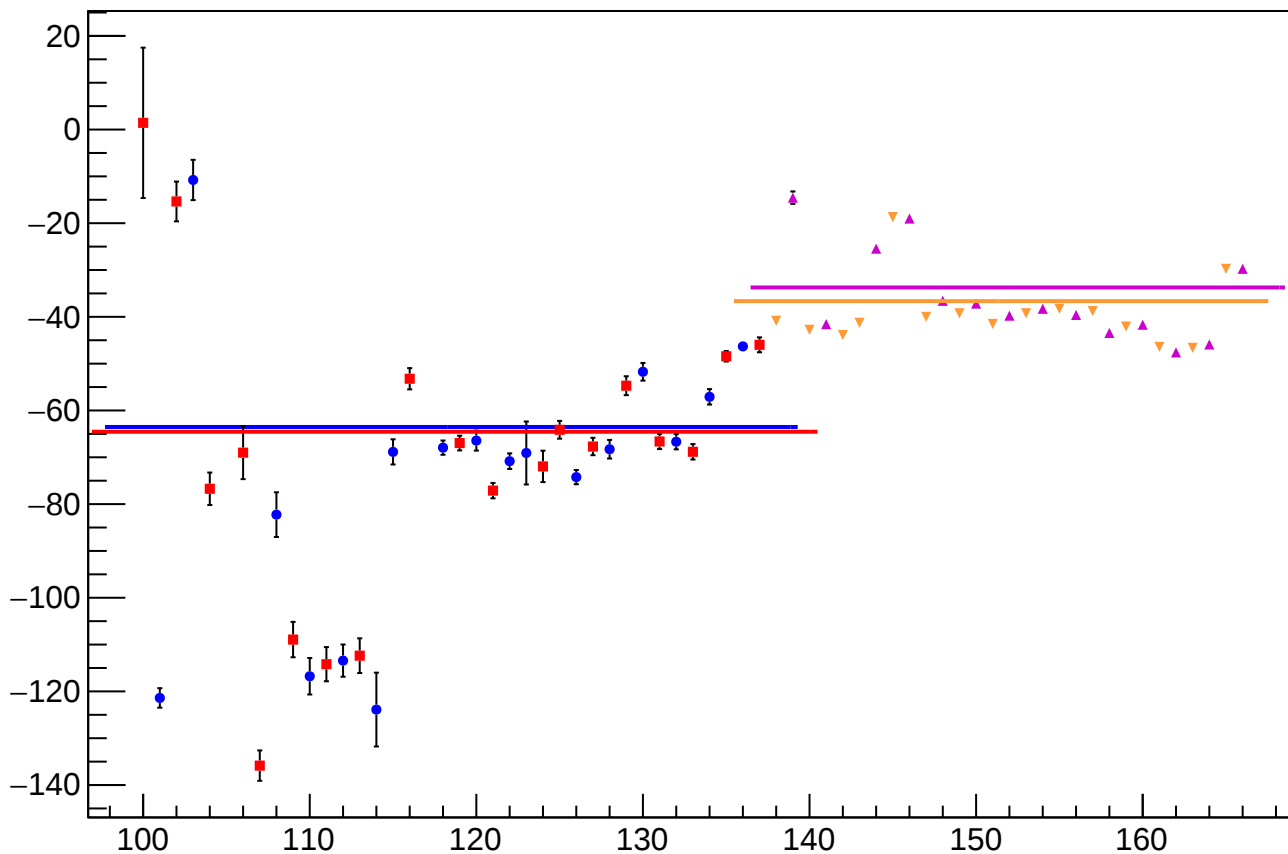
reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -44.772 ± 0.155 χ^2/NDF : 5605.2/13

Left: -46.325 ± 0.112 χ^2/NDF : 9229.5/28
 Right: -50.365 ± 0.543 χ^2/NDF : 841.8/35
 In: -45.036 ± 0.152 χ^2/NDF : 6004.8/30
 Out: -48.117 ± 0.160 χ^2/NDF : 3924.4/33
 All: -46.491 ± 0.110 χ^2/NDF : 10124.3/64

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -36.647 ± 0.137 χ^2/NDF : 4636.8/14

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

Left In: -33.731 ± 0.131 χ^2/NDF : 5487.3/13

Left: -35.130 ± 0.095 χ^2/NDF : 10360.5/28

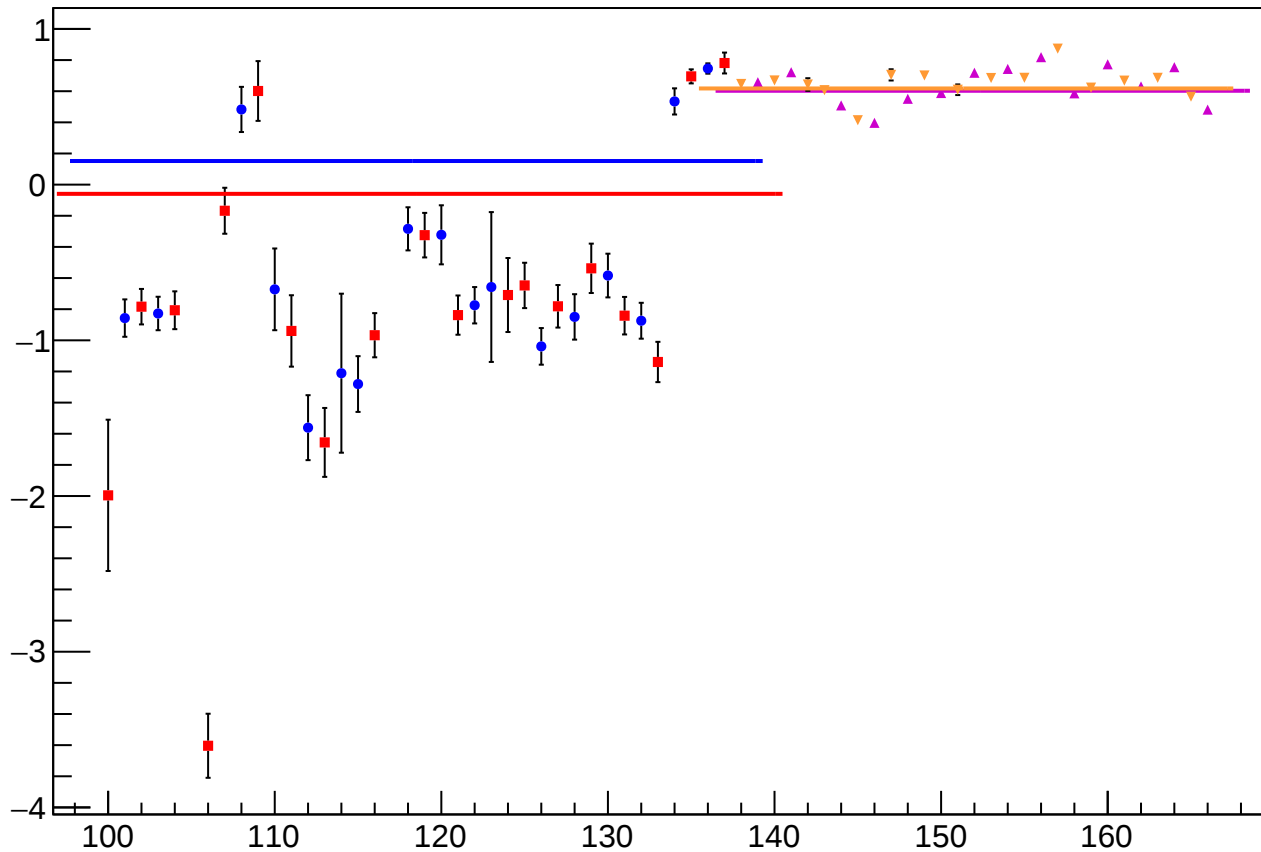
Right: -63.995 ± 0.329 χ^2/NDF : 3616.4/35

In: -36.082 ± 0.126 χ^2/NDF : 11560.0/30

Out: -38.719 ± 0.132 χ^2/NDF : 9327.6/33

All: -37.343 ± 0.091 χ^2/NDF : 21097.0/64

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.618 ± 0.006 $\chi^2/\text{NDF}: 333.3/14$

Right Out: -0.059 ± 0.026 $\chi^2/\text{NDF}: 1161.9/18$

Left In: 0.603 ± 0.006 $\chi^2/\text{NDF}: 417.4/13$

Left: 0.610 ± 0.005 $\chi^2/\text{NDF}: 753.4/28$

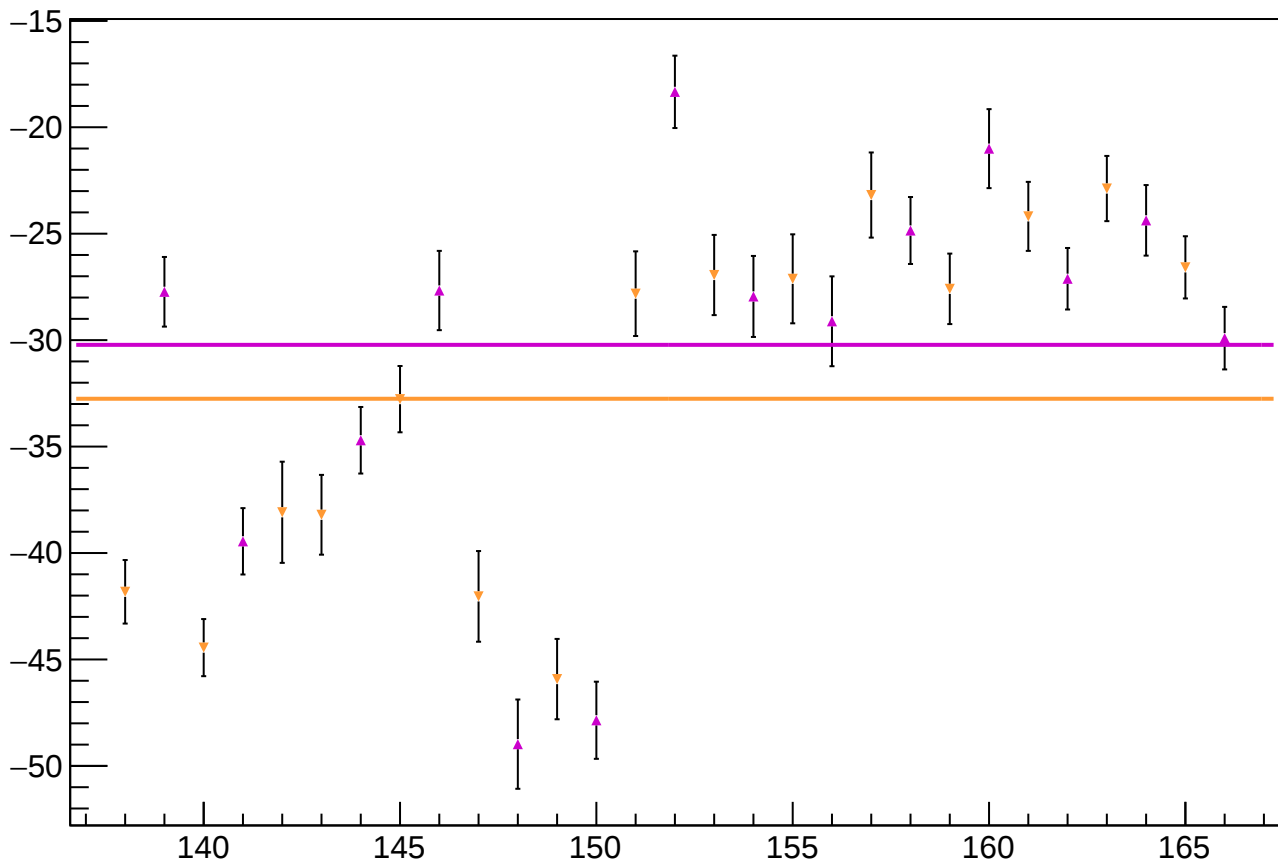
Right: 0.056 ± 0.018 $\chi^2/\text{NDF}: 2184.3/35$

In: 0.574 ± 0.006 $\chi^2/\text{NDF}: 1734.3/30$

Out: 0.580 ± 0.006 $\chi^2/\text{NDF}: 2120.6/33$

All: 0.577 ± 0.004 $\chi^2/\text{NDF}: 3855.4/64$

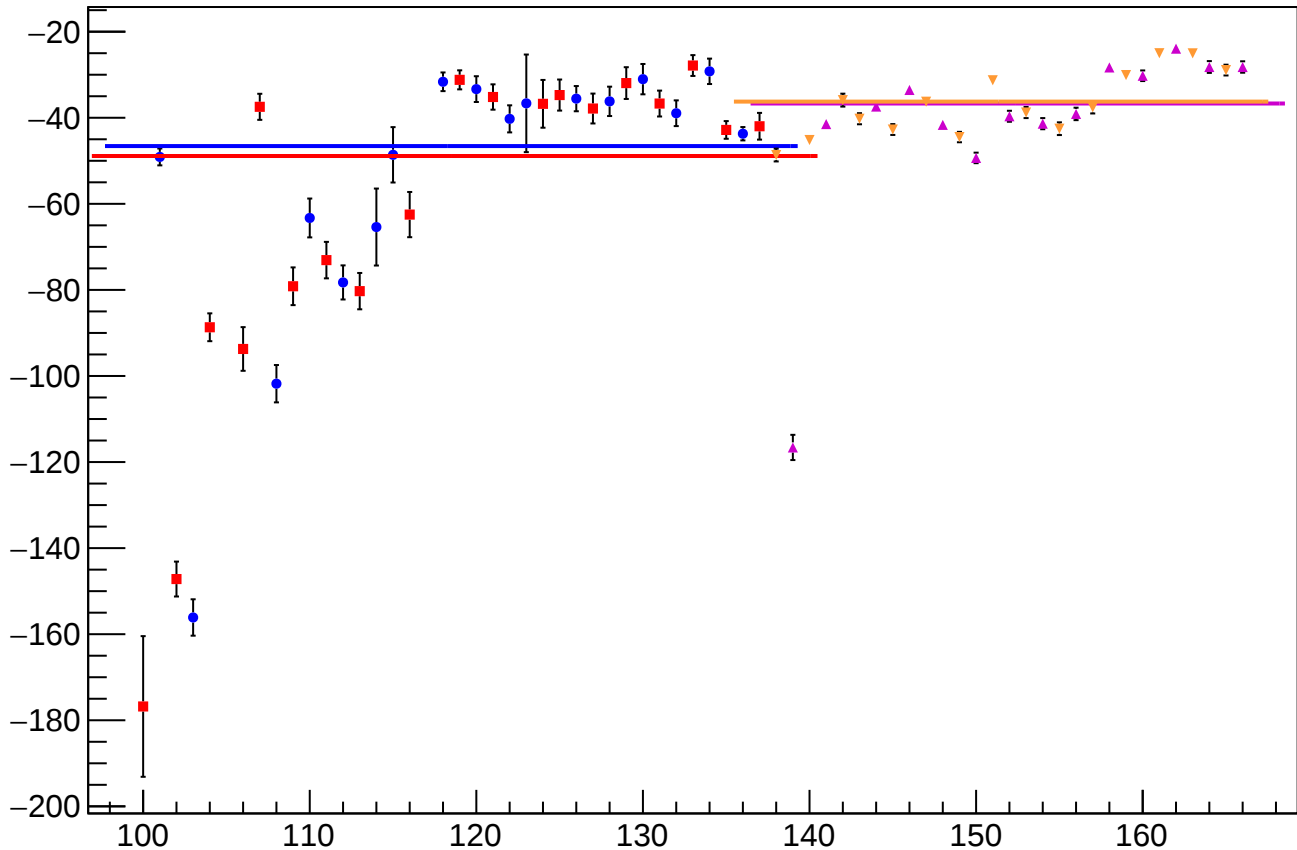
reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.754+/-0.446 χ^2/NDF :336.9/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -30.222+/-0.453 χ^2/NDF :326.3/13

Left: -31.510+/-0.318 χ^2/NDF : 679.1/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -30.222+/-0.453 χ^2/NDF :326.3/13
 Out: -32.754+/-0.446 χ^2/NDF :336.9/14
 All: -31.510+/-0.318 χ^2/NDF : 679.1/28

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -36.246 ± 0.319 $\chi^2/\text{NDF}: 513.5/14$

Right Out: -48.888 ± 0.763 $\chi^2/\text{NDF}: 1277.5/18$

Left In: -36.688 ± 0.330 $\chi^2/\text{NDF}: 1209.5/13$

Left: -36.459 ± 0.230 $\chi^2/\text{NDF}: 1724.0/28$

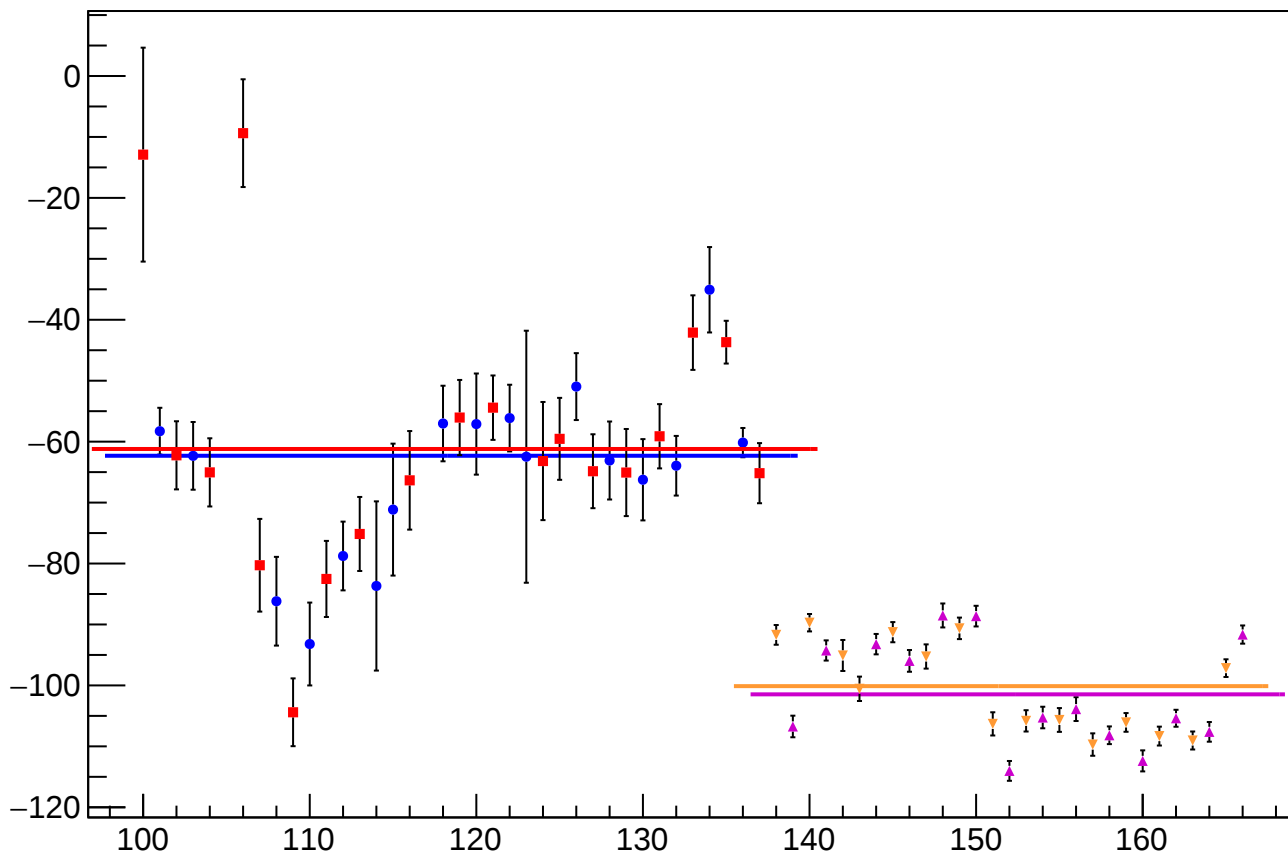
Right: -47.681 ± 0.527 $\chi^2/\text{NDF}: 2358.7/35$

In: -38.370 ± 0.301 $\chi^2/\text{NDF}: 2438.4/30$

Out: -38.127 ± 0.294 $\chi^2/\text{NDF}: 2024.4/33$

All: -38.246 ± 0.210 $\chi^2/\text{NDF}: 4463.2/64$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

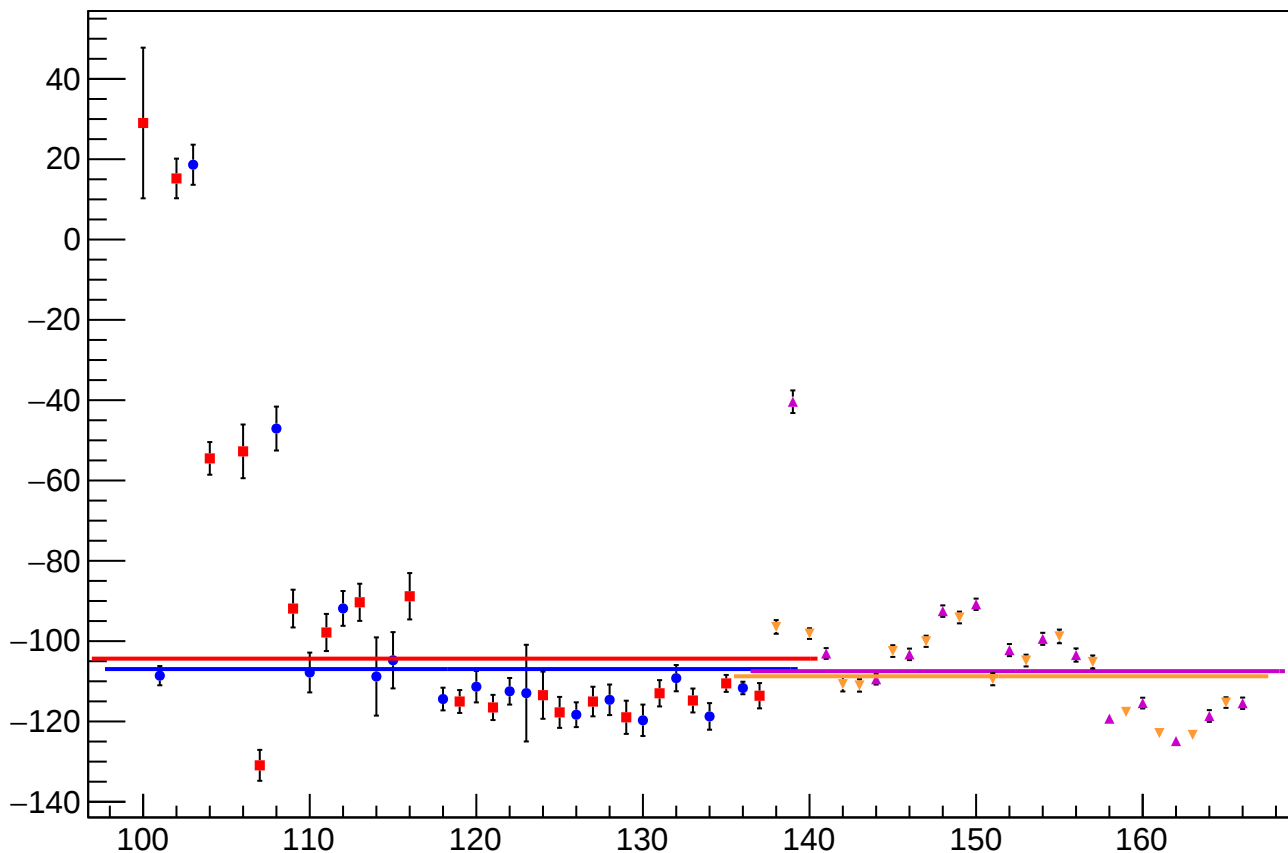


Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$
 Left Out: -100.119 ± 0.441 $\chi^2/\text{NDF}: 287.6/14$
 Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$
 Left In: -101.466 ± 0.444 $\chi^2/\text{NDF}: 355.1/13$

Left: -100.788 ± 0.313 $\chi^2/\text{NDF}: 647.4/28$
 Right: -61.786 ± 0.953 $\chi^2/\text{NDF}: 232.5/35$
 In: -97.468 ± 0.420 $\chi^2/\text{NDF}: 1217.4/30$
 Out: -96.524 ± 0.420 $\chi^2/\text{NDF}: 1173.4/33$

All: -96.995 ± 0.297 $\chi^2/\text{NDF}: 2393.3/64$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -108.753 ± 0.369 $\chi^2/\text{NDF}: 681.3/14$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

Left In: -107.472 ± 0.379 $\chi^2/\text{NDF}: 1323.4/13$

Left: -108.129 ± 0.264 $\chi^2/\text{NDF}: 2010.6/28$

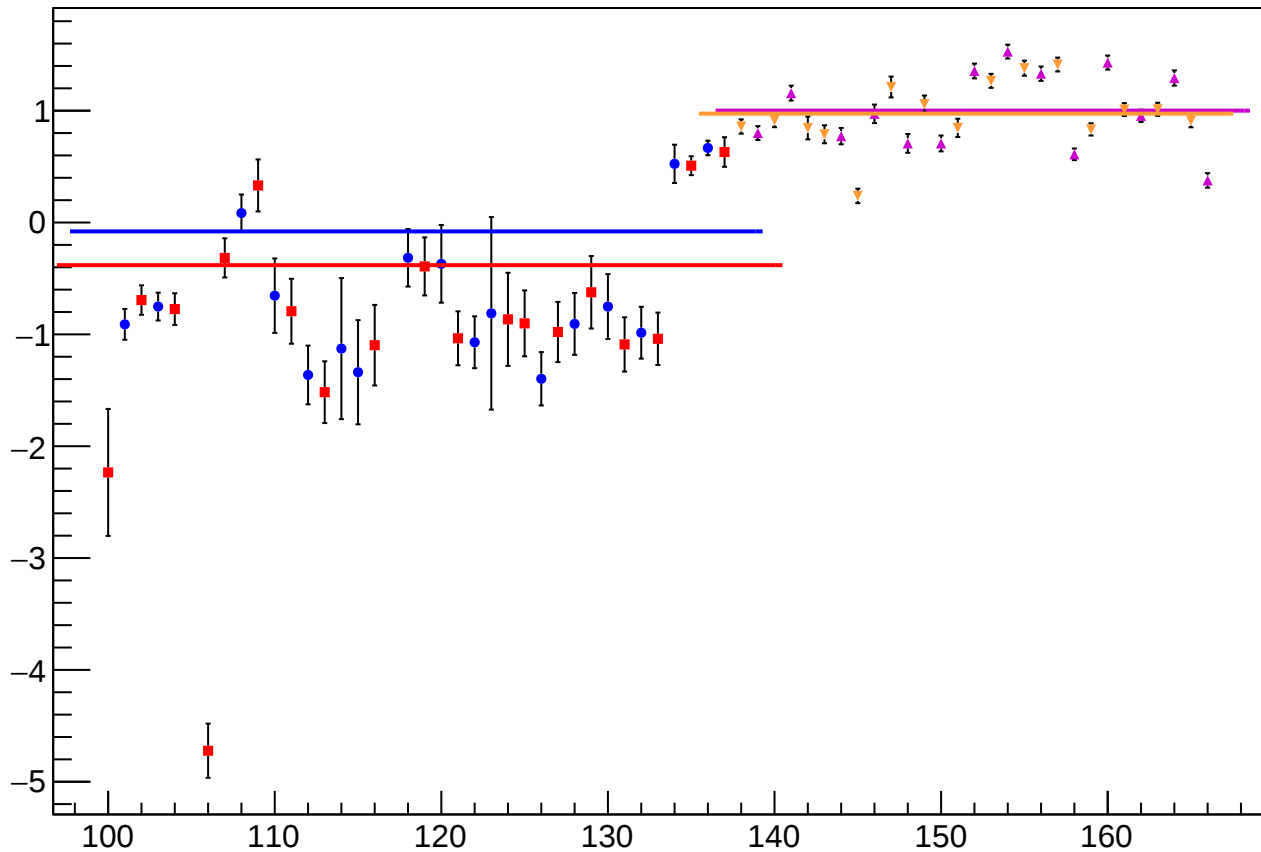
Right: -105.723 ± 0.593 $\chi^2/\text{NDF}: 1853.0/35$

In: -107.381 ± 0.344 $\chi^2/\text{NDF}: 2151.0/30$

Out: -108.070 ± 0.339 $\chi^2/\text{NDF}: 1724.3/33$

All: -107.730 ± 0.242 $\chi^2/\text{NDF}: 3877.4/64$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.974 ± 0.017 χ^2/NDF : 266.6/14

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

Left In: 1.001 ± 0.017 χ^2/NDF : 395.3/13

Left: 0.987 ± 0.012 χ^2/NDF : 663.0/28

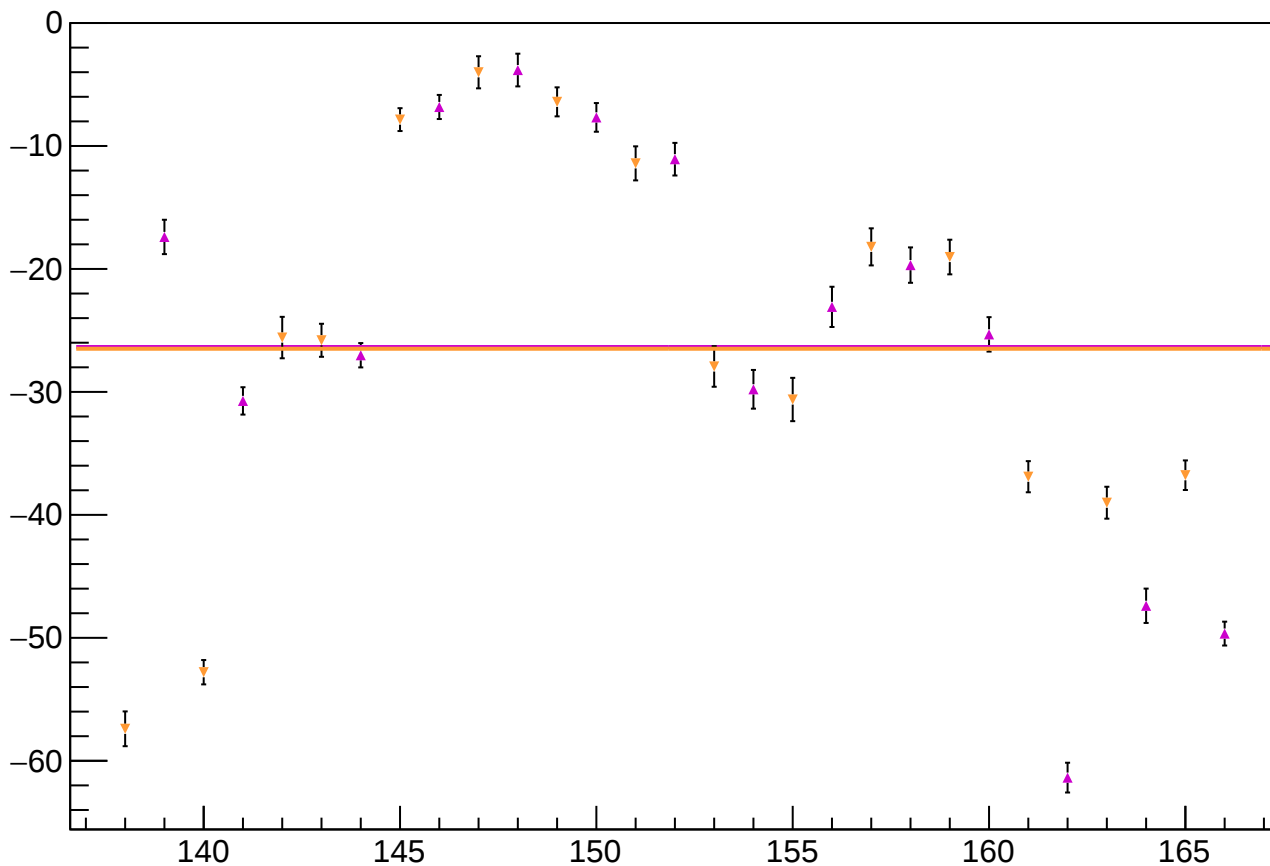
Right: -0.224 ± 0.030 χ^2/NDF : 933.5/35

In: 0.843 ± 0.016 χ^2/NDF : 1281.7/30

Out: 0.793 ± 0.016 χ^2/NDF : 1668.6/33

All: 0.818 ± 0.011 χ^2/NDF : 2955.2/64

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



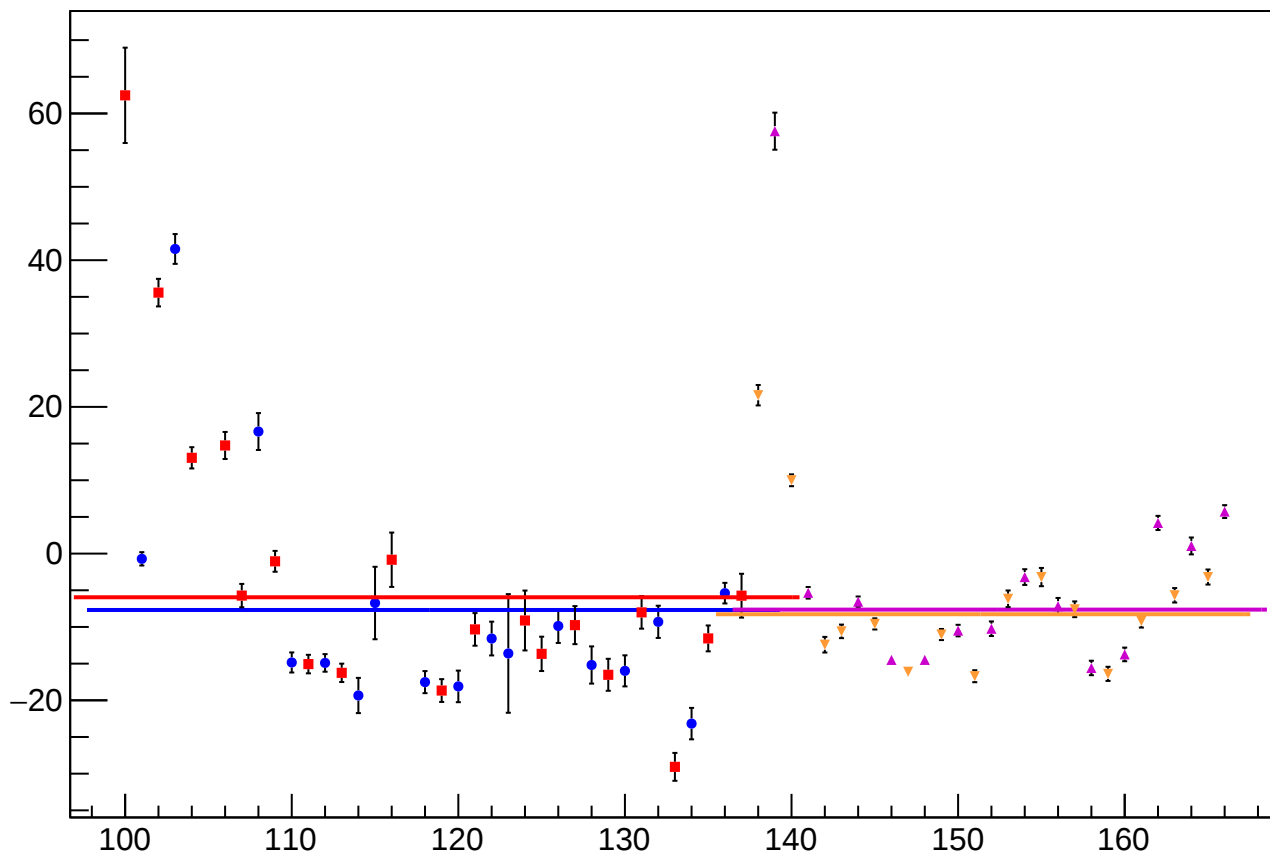
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -26.490+/-0.334 χ^2/NDF :2588.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -26.350+/-0.328 χ^2/NDF :2800.6/13

Left: -26.419+/-0.234 χ^2/NDF : 5389.2/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.350+/-0.328 χ^2/NDF :2800.6/13
 Out: -26.490+/-0.334 χ^2/NDF :2588.6/14

All: -26.419+/-0.234 χ^2/NDF : 5389.2/28

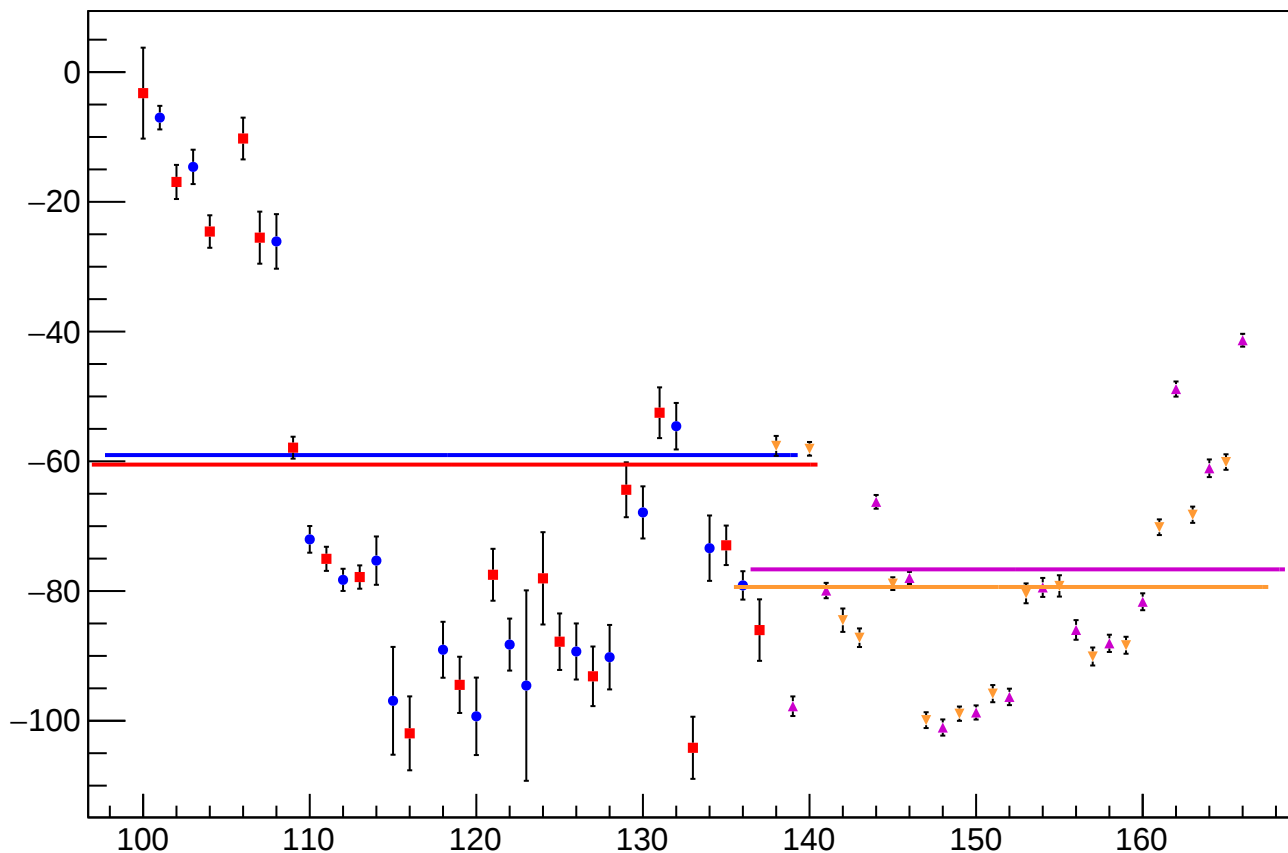
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16
 Left Out: -8.266 ± 0.234 χ^2/NDF : 1396.4/14
 Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18
 Left In: -7.636 ± 0.233 χ^2/NDF : 1495.6/13

Left: -7.950 ± 0.165 χ^2/NDF : 2895.6/28
 Right: -6.817 ± 0.304 χ^2/NDF : 2282.2/35
 In: -7.648 ± 0.205 χ^2/NDF : 2471.5/30
 Out: -7.735 ± 0.205 χ^2/NDF : 2716.9/33
 All: -7.691 ± 0.145 χ^2/NDF : 5188.5/64

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -79.374 ± 0.331 χ^2/NDF : 1902.7/14

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

Left In: -76.659 ± 0.322 χ^2/NDF : 3438.5/13

Left: -77.981 ± 0.231 χ^2/NDF : 5375.8/28

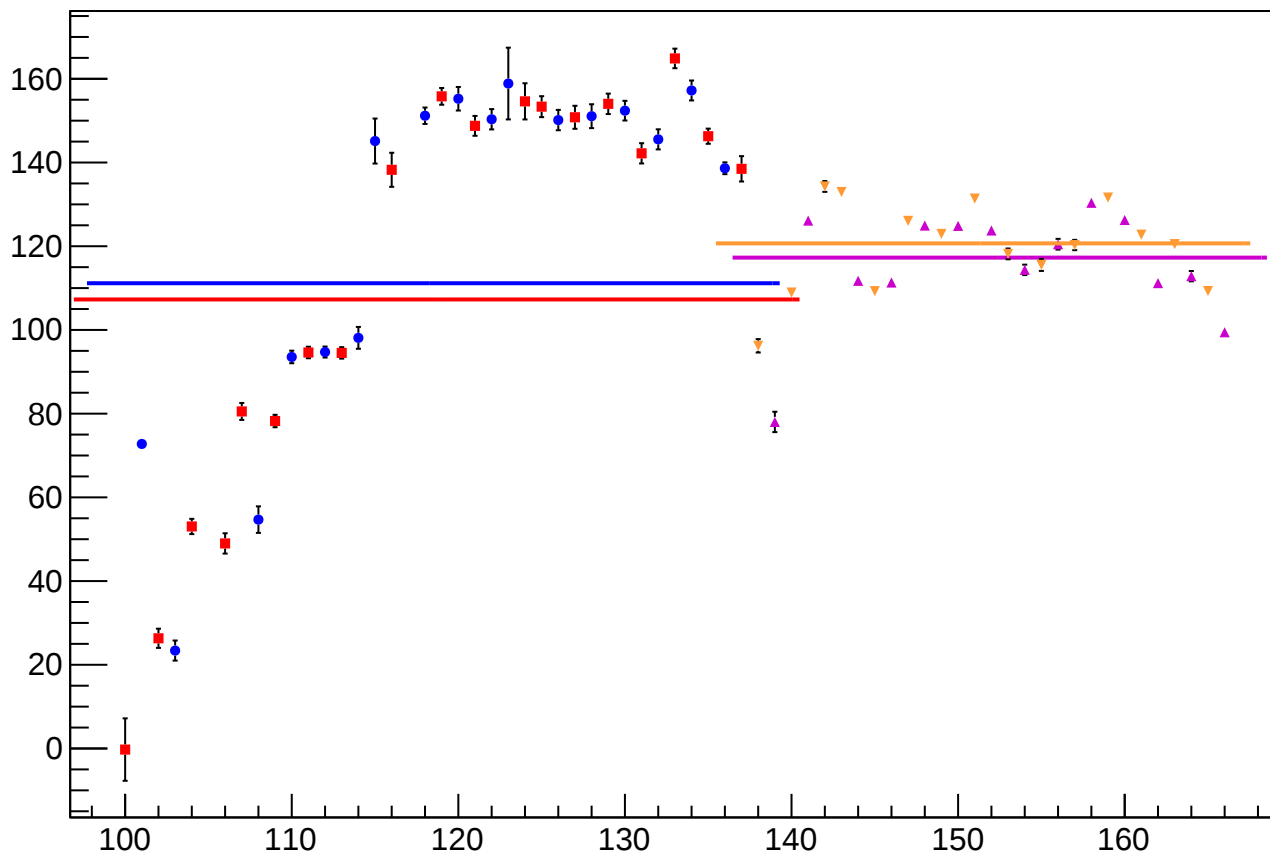
Right: -59.815 ± 0.512 χ^2/NDF : 3096.4/35

In: -73.887 ± 0.296 χ^2/NDF : 5618.5/30

Out: -75.966 ± 0.299 χ^2/NDF : 3875.3/33

All: -74.914 ± 0.210 χ^2/NDF : 9518.3/64

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 ± 0.489 $\chi^2/\text{NDF}: 5877.6/16$

Left Out: 120.685 ± 0.275 $\chi^2/\text{NDF}: 1179.1/14$

Right Out: 107.283 ± 0.488 $\chi^2/\text{NDF}: 7055.1/18$

Left In: 117.282 ± 0.273 $\chi^2/\text{NDF}: 1278.9/13$

Left: 118.969 ± 0.194 $\chi^2/\text{NDF}: 2535.3/28$

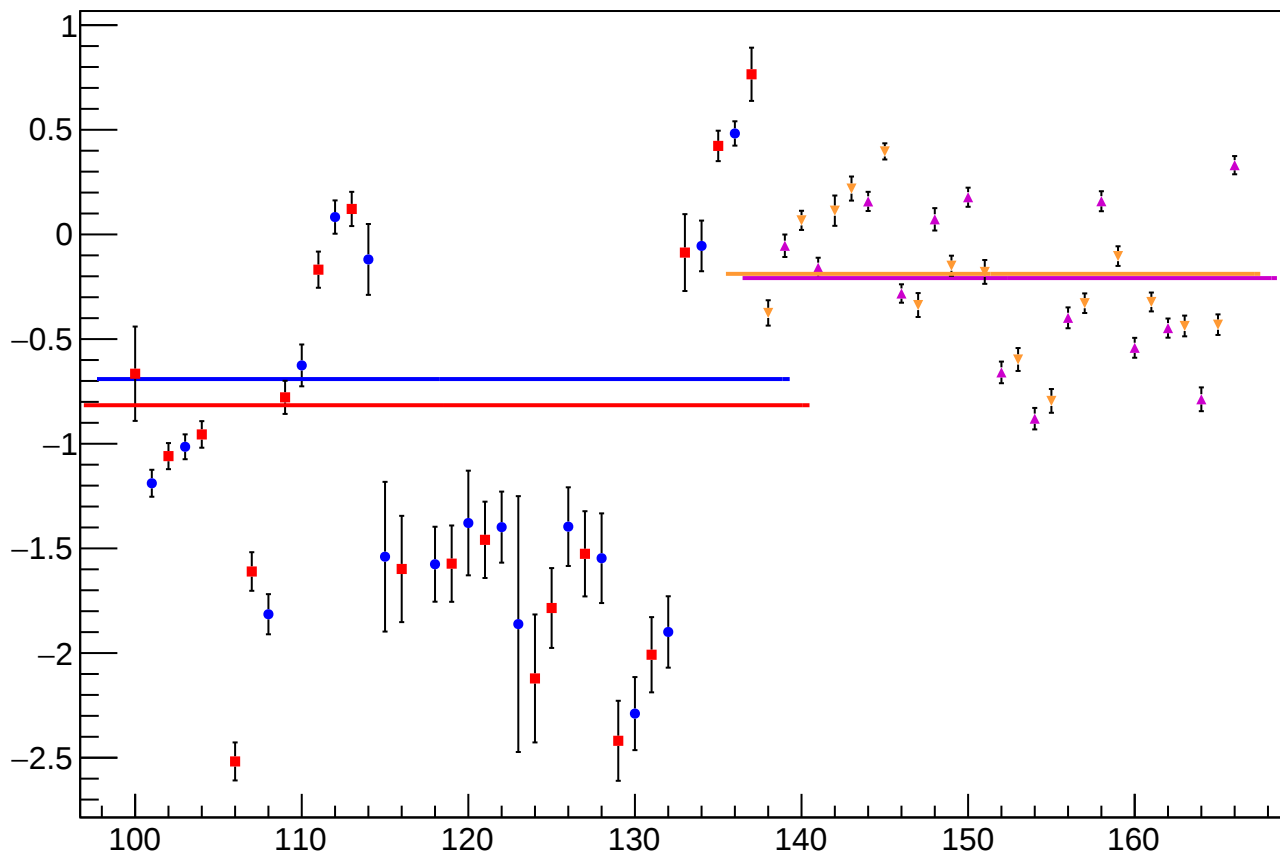
Right: 109.217 ± 0.345 $\chi^2/\text{NDF}: 12964.2/35$

In: 115.831 ± 0.238 $\chi^2/\text{NDF}: 7276.1/30$

Out: 117.455 ± 0.239 $\chi^2/\text{NDF}: 8807.3/33$

All: 116.638 ± 0.169 $\chi^2/\text{NDF}: 16106.5/64$

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.188 ± 0.013 χ^2/NDF : 586.1/14

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

Left In: -0.209 ± 0.013 χ^2/NDF : 830.0/13

Left: -0.199 ± 0.009 χ^2/NDF : 1417.3/28

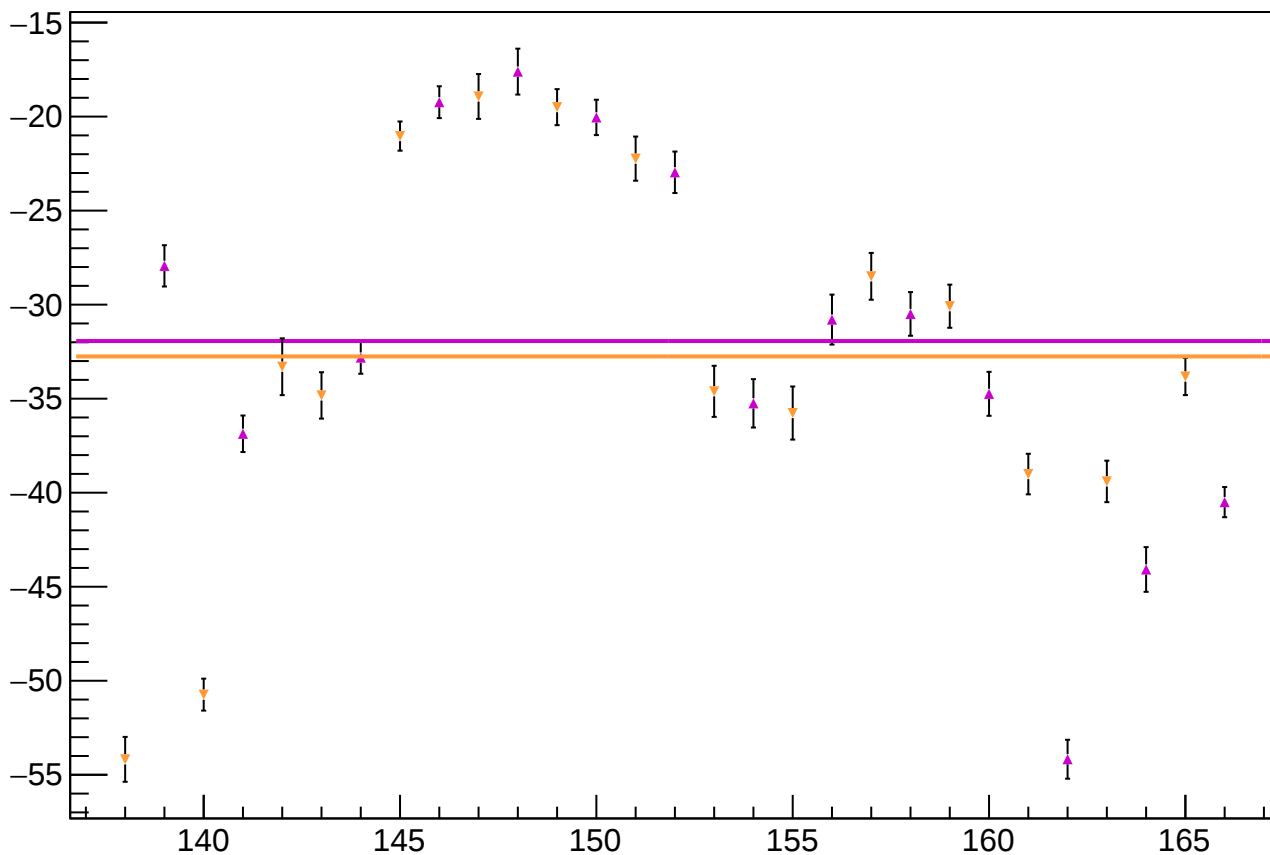
Right: -0.757 ± 0.018 χ^2/NDF : 2307.7/35

In: -0.306 ± 0.012 χ^2/NDF : 2099.8/30

Out: -0.329 ± 0.012 χ^2/NDF : 2405.4/33

All: -0.317 ± 0.008 χ^2/NDF : 4507.2/64

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



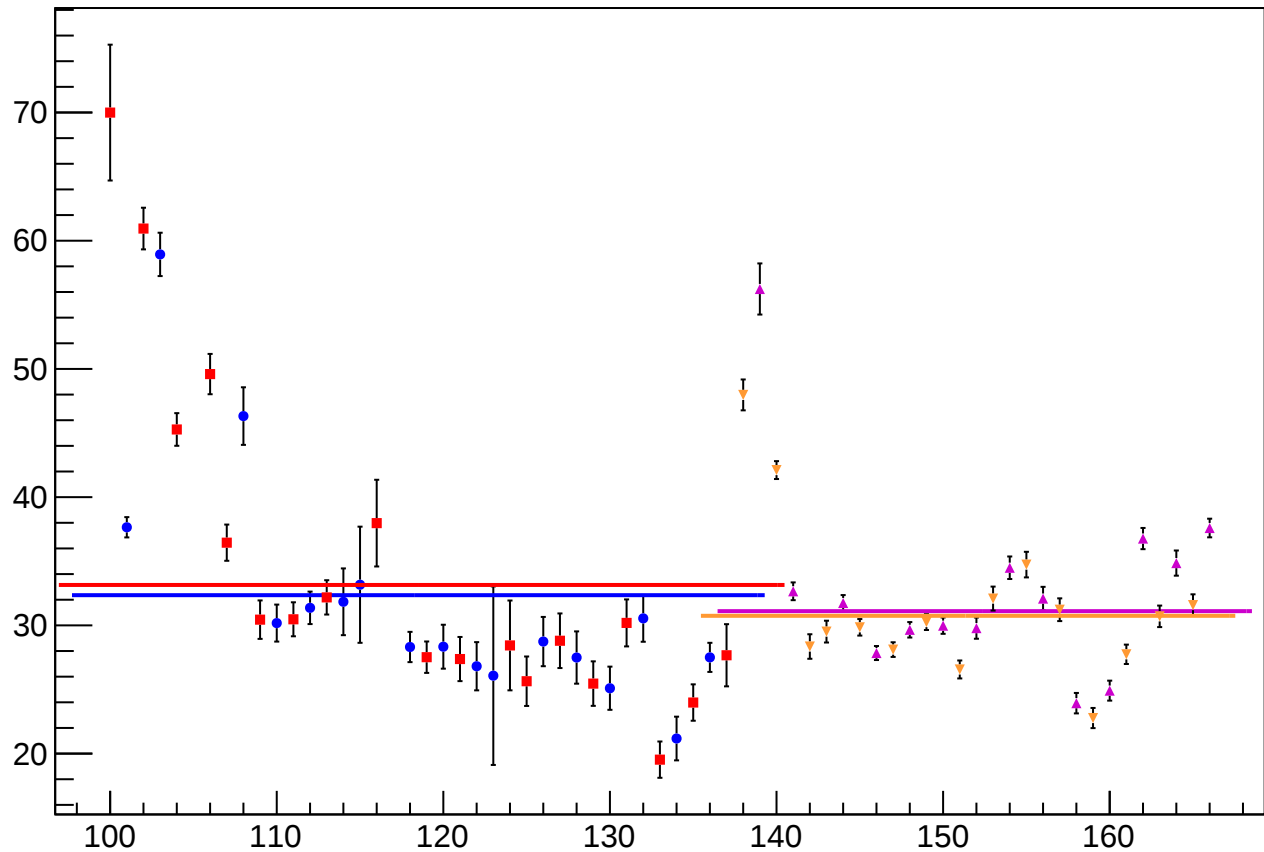
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.754+/-0.283 χ^2/NDF :1501.2/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -31.935+/-0.276 χ^2/NDF :1323.8/13

Left: -32.335+/-0.198 χ^2/NDF : 2829.3/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.935+/-0.276 χ^2/NDF :1323.8/13
 Out: -32.754+/-0.283 χ^2/NDF :1501.2/14

All: -32.335+/-0.198 χ^2/NDF : 2829.3/28

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 31.110 $\pm$ 0.200 χ^2 /NDF: 513.6/13

Left: 30.928 $\pm$ 0.141 χ^2 /NDF: 1191.2/28

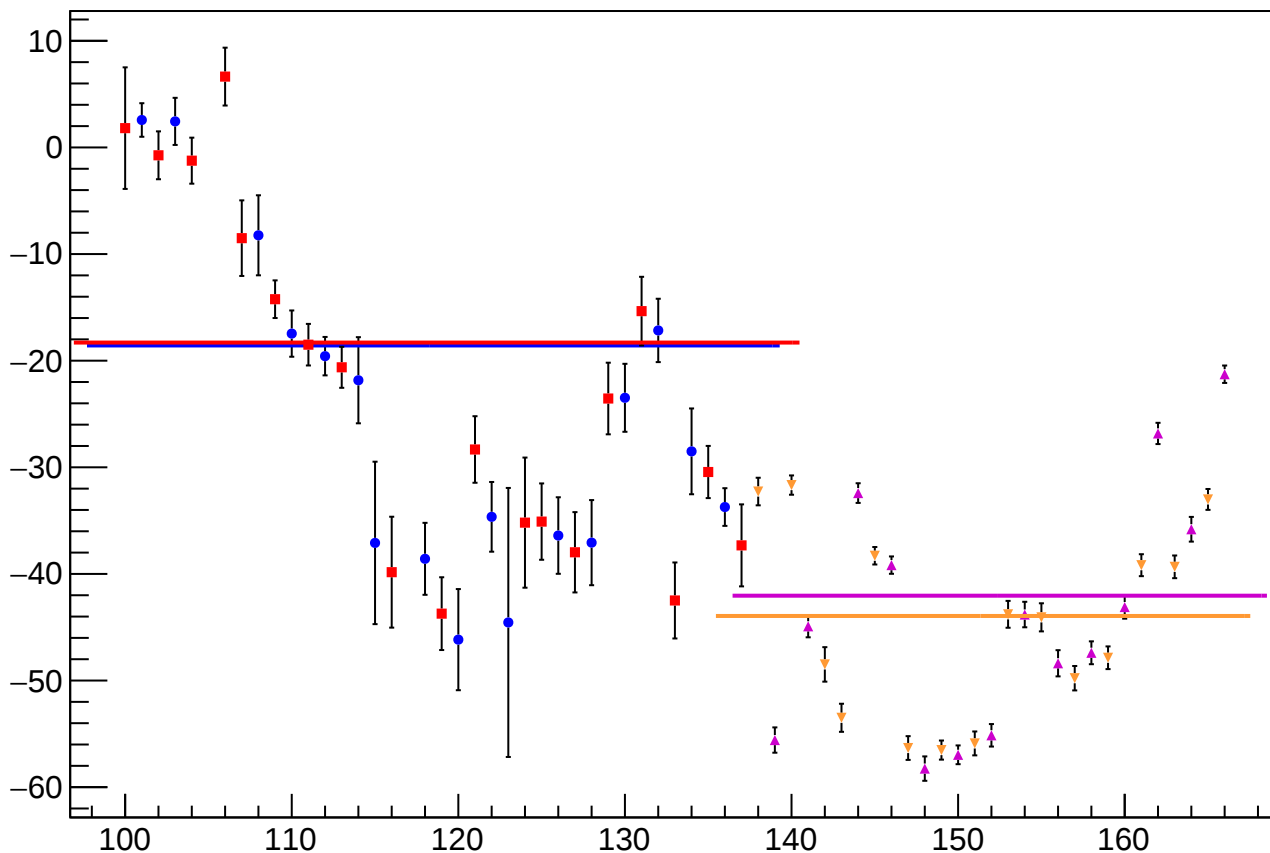
Right: 32.750 $\pm$ 0.267 χ^2 /NDF: 1224.7/35

In: 31.384 $\pm$ 0.176 χ^2 /NDF: 972.6/30

Out: 31.271 $\pm$ 0.177 χ^2 /NDF: 1479.5/33

All: 31.328 $\pm$ 0.125 χ^2 /NDF: 2452.4/64

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.572 ± 0.667 $\chi^2/\text{NDF}: 511.5/16$

Left Out: -43.943 ± 0.279 $\chi^2/\text{NDF}: 1012.0/14$

Right Out: -18.300 ± 0.644 $\chi^2/\text{NDF}: 473.4/18$

Left In: -42.041 ± 0.271 $\chi^2/\text{NDF}: 1865.5/13$

Left: -42.964 ± 0.194 $\chi^2/\text{NDF}: 2901.4/28$

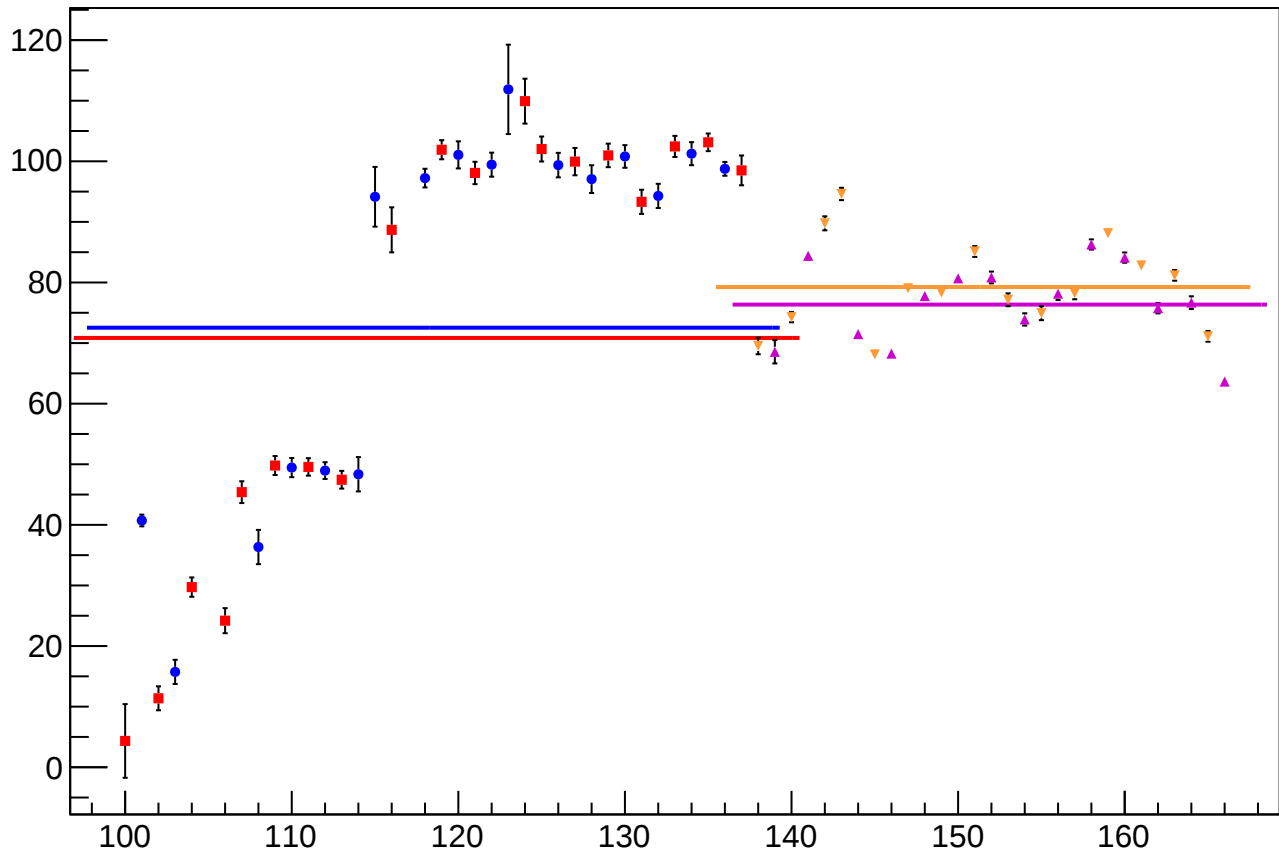
Right: -18.431 ± 0.463 $\chi^2/\text{NDF}: 984.9/35$

In: -38.719 ± 0.251 $\chi^2/\text{NDF}: 3438.3/30$

Out: -39.886 ± 0.256 $\chi^2/\text{NDF}: 2820.6/33$

All: -39.291 ± 0.179 $\chi^2/\text{NDF}: 6269.5/64$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537 $\pm$ 0.428 χ^2/NDF : 4684.1/16

Left Out: 79.246 $\pm$ 0.234 χ^2/NDF : 907.3/14

Right Out: 70.849 $\pm$ 0.433 χ^2/NDF : 5500.2/18

Left In: 76.352 $\pm$ 0.231 χ^2/NDF : 855.5/13

Left: 77.784 $\pm$ 0.164 χ^2/NDF : 1840.4/28

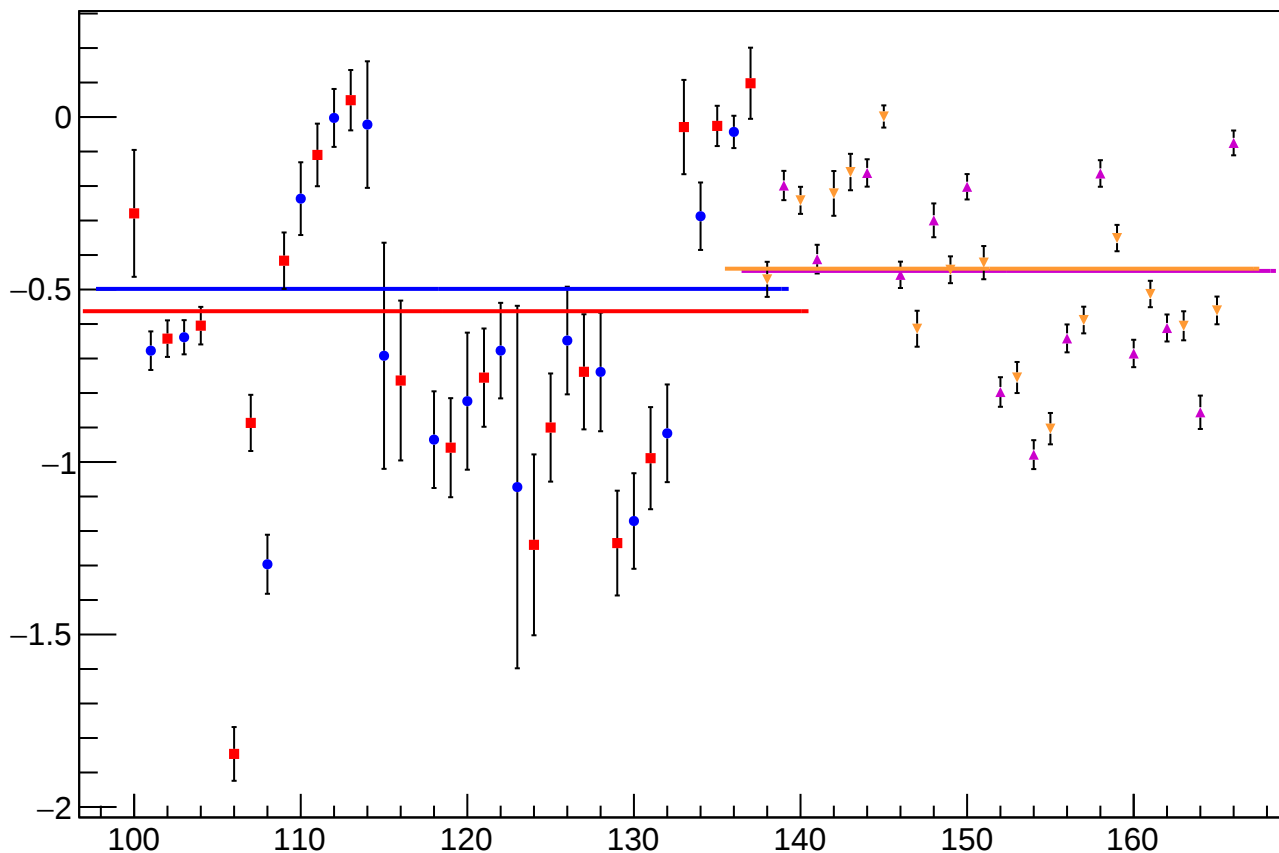
Right: 71.702 $\pm$ 0.305 χ^2/NDF : 10192.0/35

In: 75.491 $\pm$ 0.203 χ^2/NDF : 5601.0/30

Out: 77.355 $\pm$ 0.206 χ^2/NDF : 6698.7/33

All: 76.413 $\pm$ 0.145 χ^2/NDF : 12341.2/64

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.440 ± 0.011 χ^2/NDF : 466.2/14

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

Left In: -0.446 ± 0.011 χ^2/NDF : 677.0/13

Left: -0.443 ± 0.008 χ^2/NDF : 1143.3/28

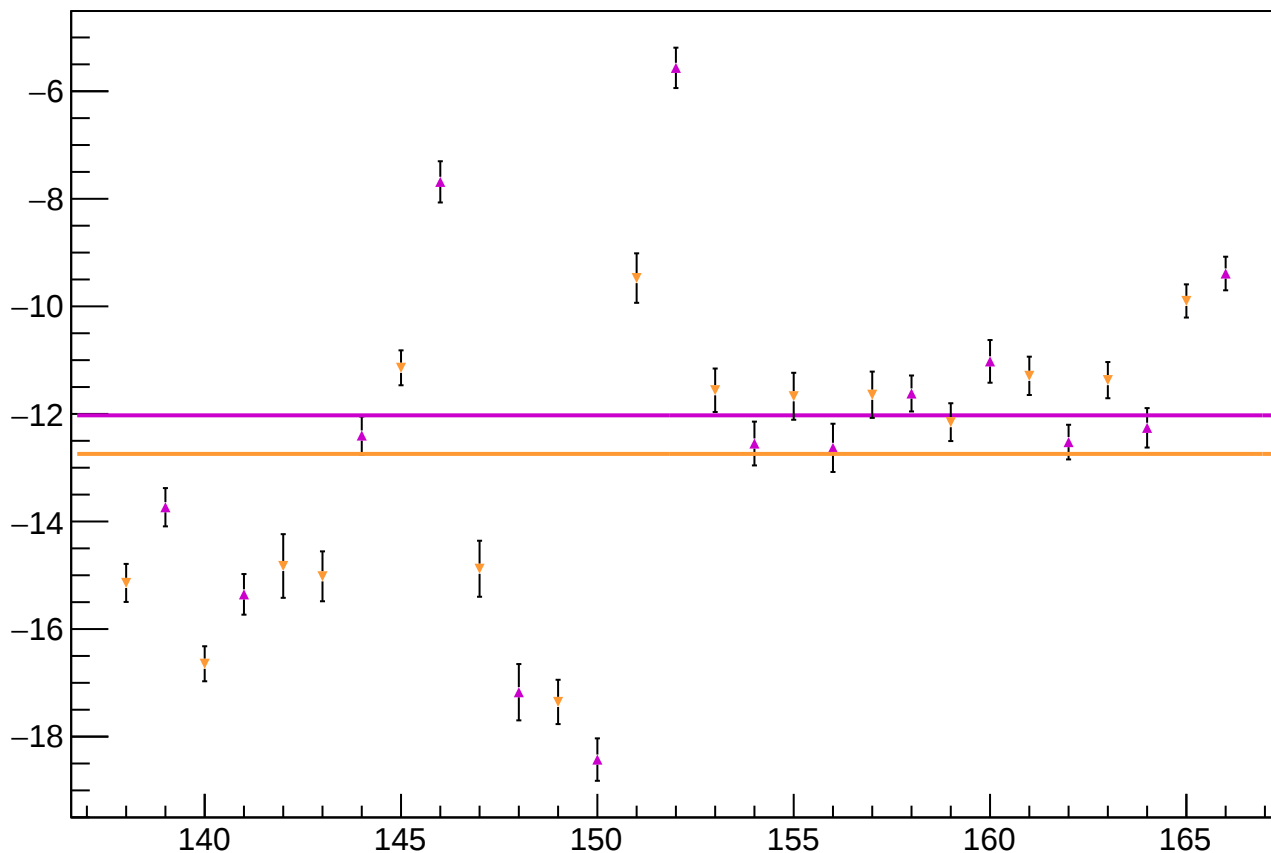
Right: -0.532 ± 0.015 χ^2/NDF : 867.9/35

In: -0.456 ± 0.010 χ^2/NDF : 984.1/30

Out: -0.465 ± 0.010 χ^2/NDF : 1053.1/33

All: -0.461 ± 0.007 χ^2/NDF : 2037.7/64

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -12.743 $\pm$ 0.100 χ^2 /NDF:585.3/14

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

Left In: -12.026 $\pm$ 0.100 χ^2 /NDF:971.4/13

Left: -12.385 $\pm$ 0.070 χ^2 /NDF: 1582.5/28

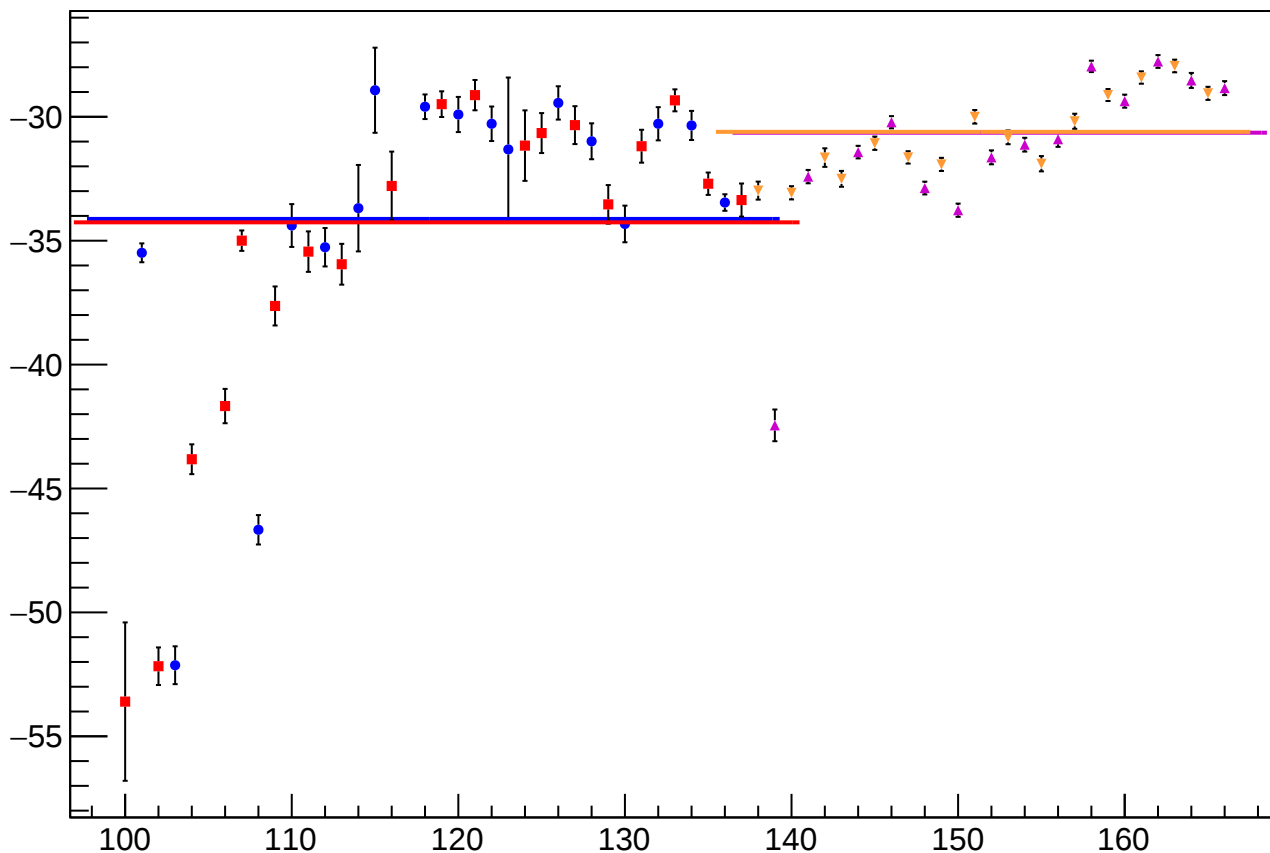
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -12.026 $\pm$ 0.100 χ^2 /NDF:971.4/13

Out: -12.743 $\pm$ 0.100 χ^2 /NDF:585.3/14

All: -12.385 $\pm$ 0.070 χ^2 /NDF: 1582.5/28

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -30.607 ± 0.072 $\chi^2/\text{NDF}: 496.1/14$

Right Out: -34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

Left In: -30.642 ± 0.074 $\chi^2/\text{NDF}: 995.1/13$

Left: -30.624 ± 0.051 $\chi^2/\text{NDF}: 1491.3/28$

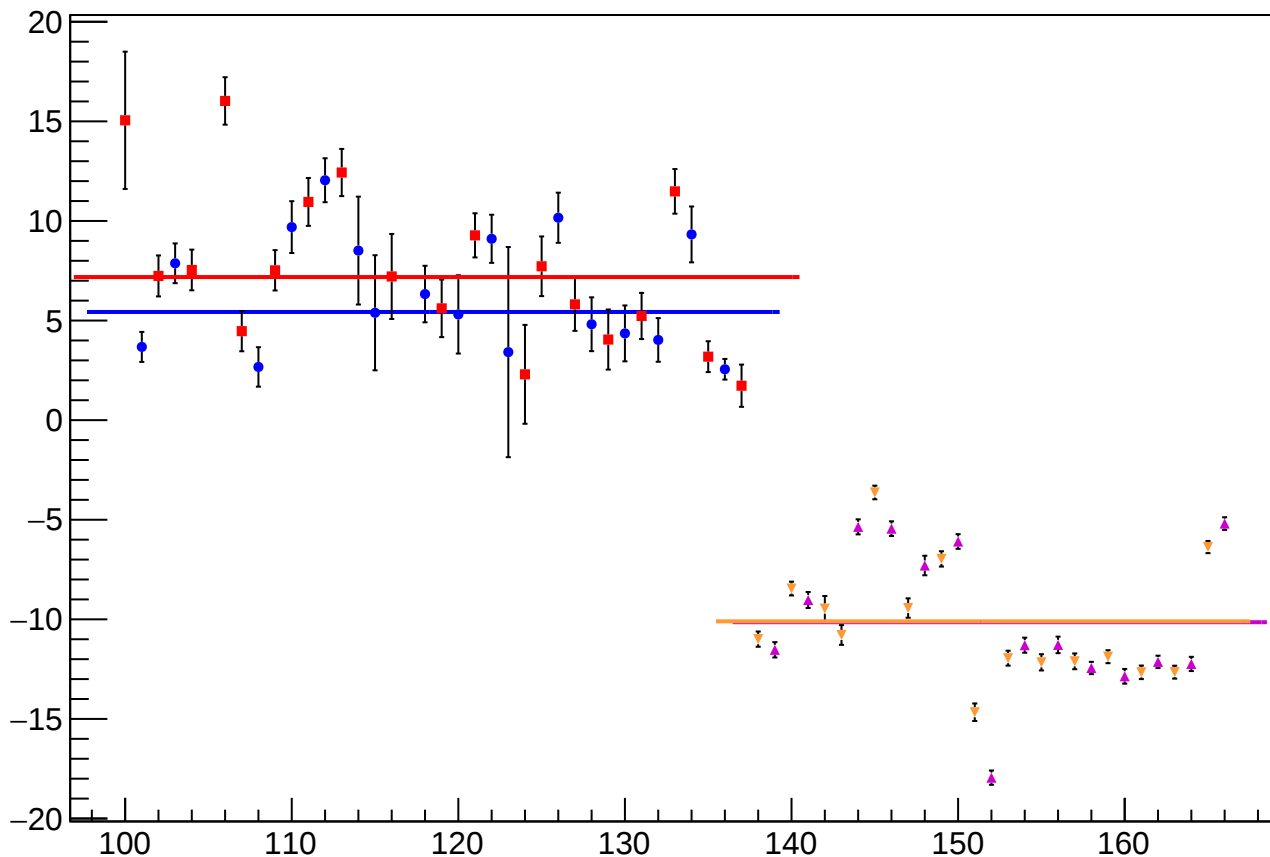
Right: -34.191 ± 0.107 $\chi^2/\text{NDF}: 2677.8/35$

In: -31.304 ± 0.066 $\chi^2/\text{NDF}: 2743.1/30$

Out: -31.286 ± 0.065 $\chi^2/\text{NDF}: 2328.5/33$

All: -31.295 ± 0.046 $\chi^2/\text{NDF}: 5071.6/64$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -10.100 ± 0.098 $\chi^2/\text{NDF}: 933.6/14$

Right Out: 7.185 ± 0.274 $\chi^2/\text{NDF}: 182.1/18$

Left In: -10.144 ± 0.097 $\chi^2/\text{NDF}: 1415.3/13$

Left: -10.122 ± 0.069 $\chi^2/\text{NDF}: 2349.0/28$

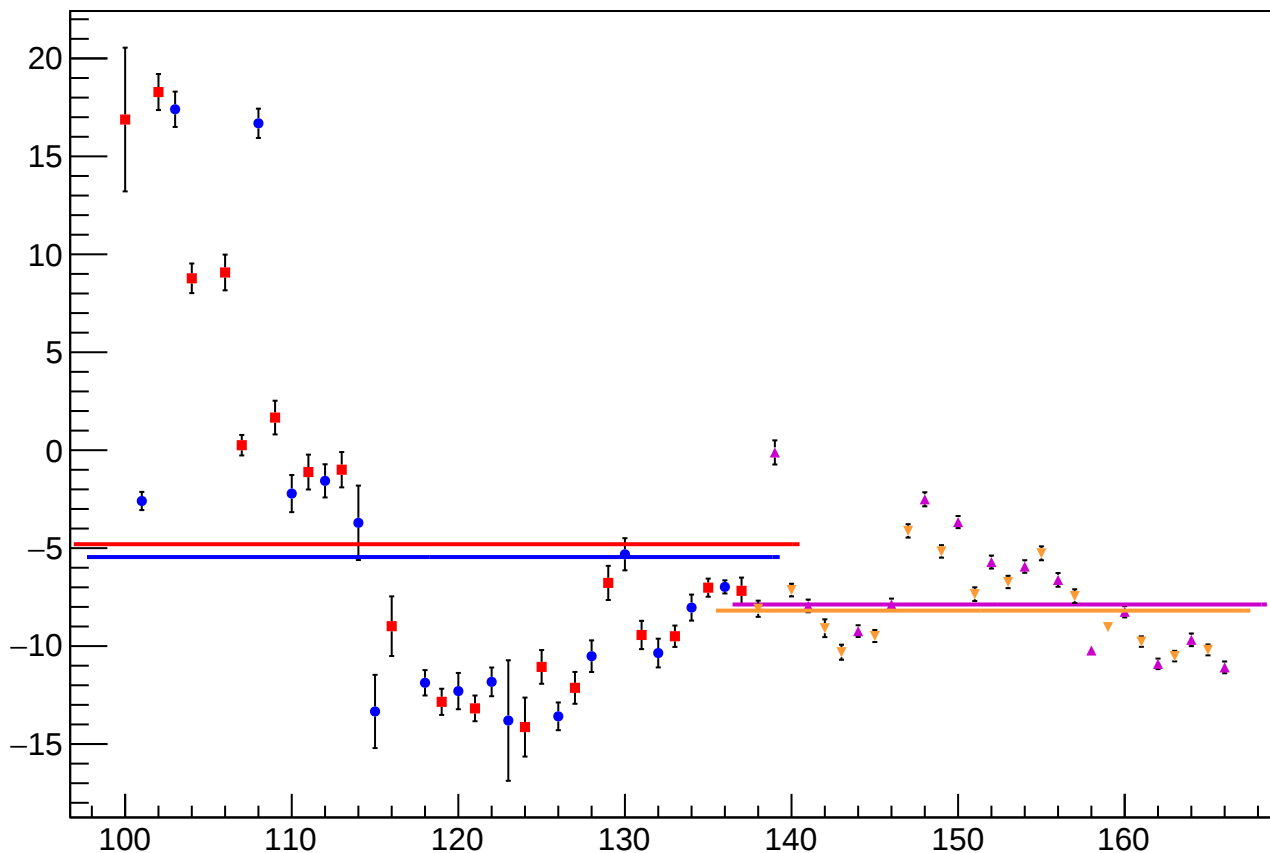
Right: 6.295 ± 0.193 $\chi^2/\text{NDF}: 334.8/35$

In: -8.354 ± 0.092 $\chi^2/\text{NDF}: 4483.9/30$

Out: -8.143 ± 0.092 $\chi^2/\text{NDF}: 4633.4/33$

All: -8.249 ± 0.065 $\chi^2/\text{NDF}: 9119.9/64$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -8.189 ± 0.083 χ^2/NDF : 565.8/14

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

Left In: -7.876 ± 0.084 χ^2/NDF : 1048.0/13

Left: -8.034 ± 0.059 χ^2/NDF : 1620.9/28

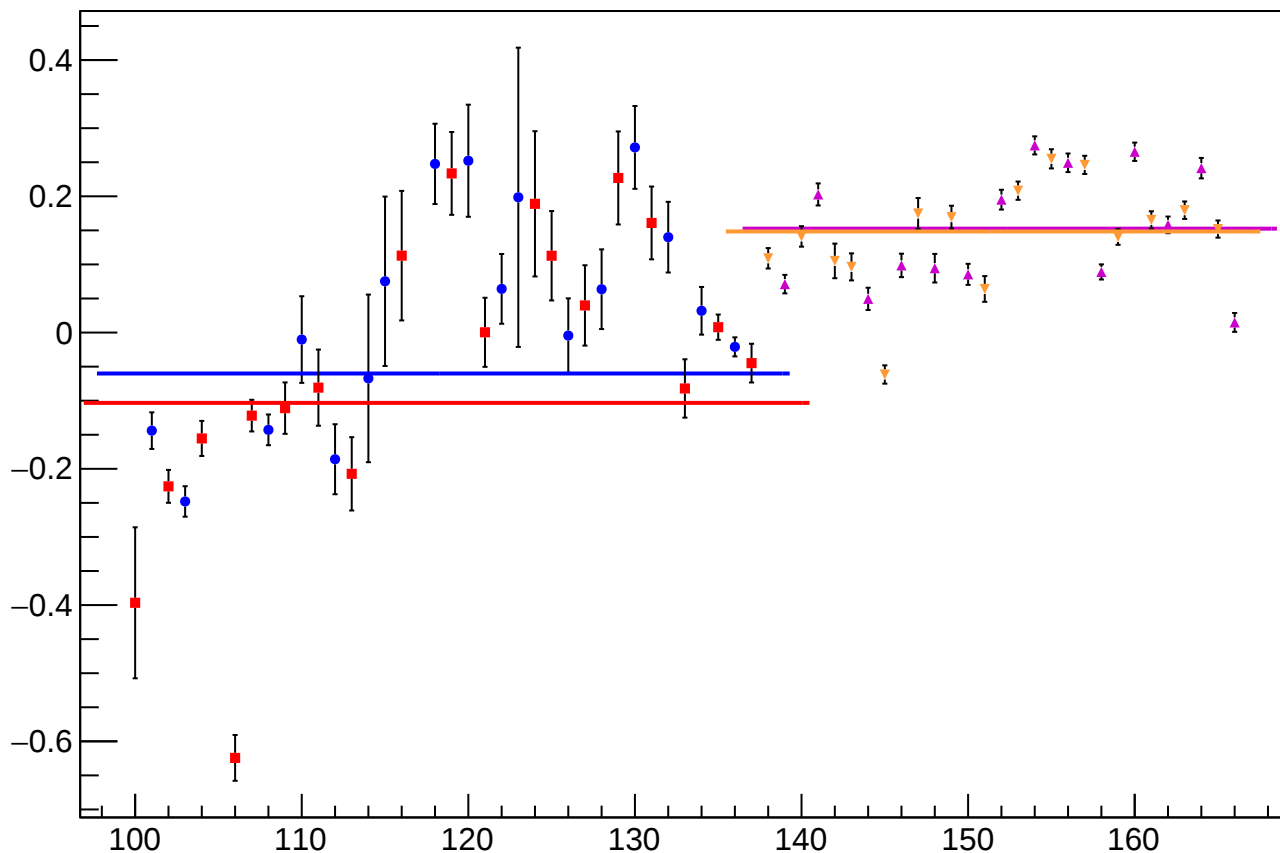
Right: -5.131 ± 0.122 χ^2/NDF : 4151.2/35

In: -7.407 ± 0.075 χ^2/NDF : 3306.5/30

Out: -7.558 ± 0.075 χ^2/NDF : 2926.2/33

All: -7.483 ± 0.053 χ^2/NDF : 6234.7/64

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.148 ± 0.004 χ^2/NDF : 422.5/14

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

Left In: 0.153 ± 0.004 χ^2/NDF : 502.3/13

Left: 0.150 ± 0.003 χ^2/NDF : 925.5/28

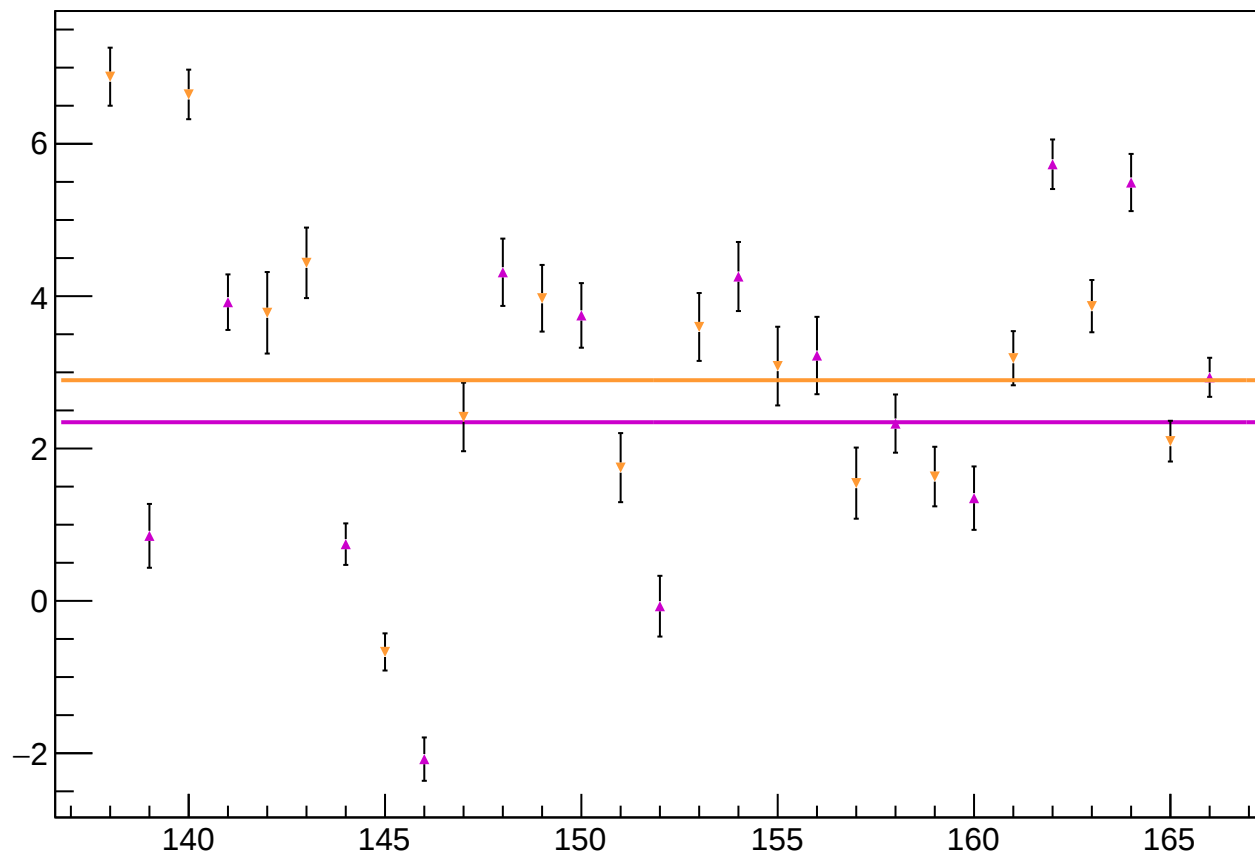
Right: -0.082 ± 0.006 χ^2/NDF : 662.9/35

In: 0.116 ± 0.003 χ^2/NDF : 1248.4/30

Out: 0.106 ± 0.003 χ^2/NDF : 1595.5/33

All: 0.111 ± 0.002 χ^2/NDF : 2848.3/64

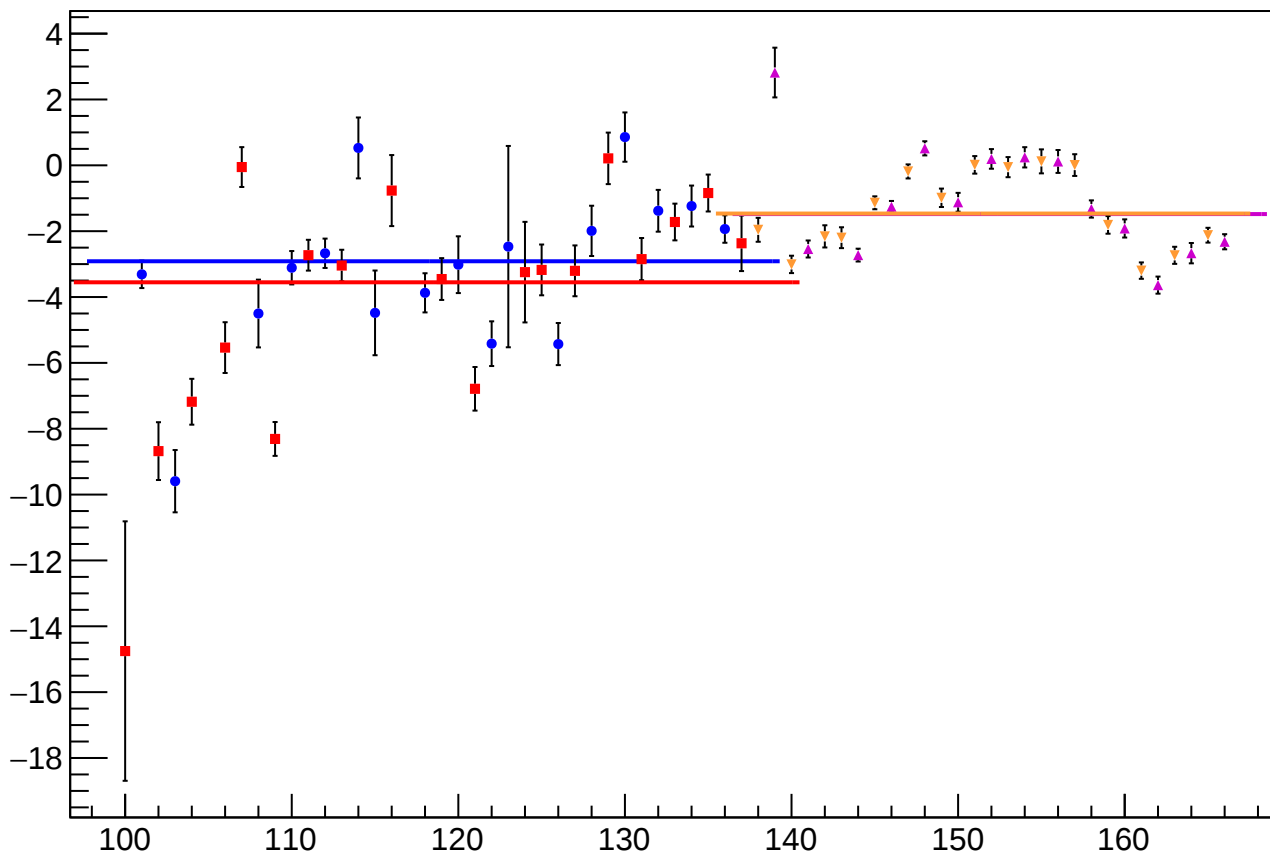
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.897 $\pm$ 0.097 χ^2 /NDF:522.8/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.345 $\pm$ 0.096 χ^2 /NDF:585.4/13

Left: 2.618 $\pm$ 0.068 χ^2 /NDF: 1124.5/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.345 $\pm$ 0.096 χ^2 /NDF:585.4/13
 Out: 2.897 $\pm$ 0.097 χ^2 /NDF:522.8/14
 All: 2.618 $\pm$ 0.068 χ^2 /NDF: 1124.5/28

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.464 ± 0.069 χ^2/NDF : 260.7/14

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

Left In: -1.481 ± 0.069 χ^2/NDF : 363.5/13

Left: -1.473 ± 0.049 χ^2/NDF : 624.2/28

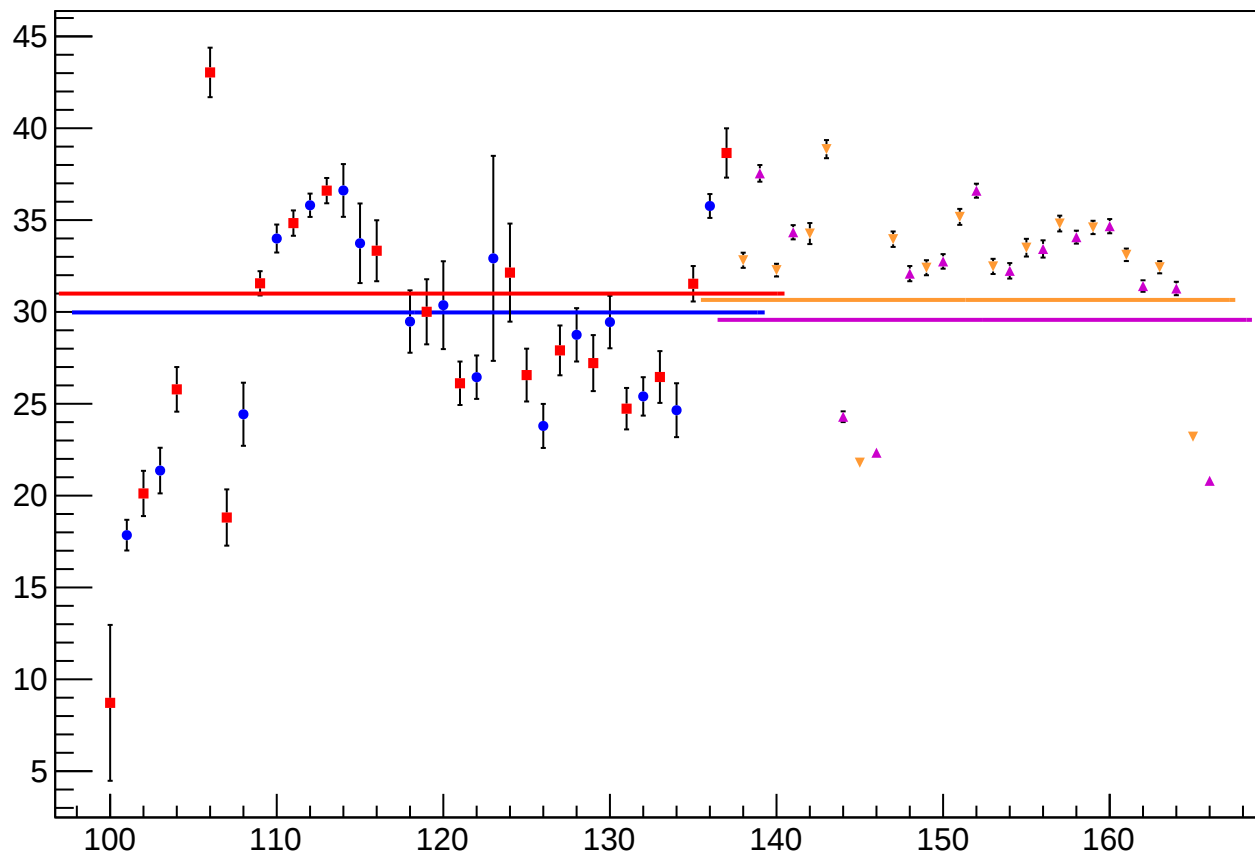
Right: -3.234 ± 0.109 χ^2/NDF : 445.5/35

In: -1.717 ± 0.063 χ^2/NDF : 581.2/30

Out: -1.815 ± 0.063 χ^2/NDF : 703.4/33

All: -1.765 ± 0.045 χ^2/NDF : 1285.8/64

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 29.569 ± 0.094 χ^2/NDF : 3560.5/13

Left: 30.100 ± 0.067 χ^2/NDF : 6475.9/28

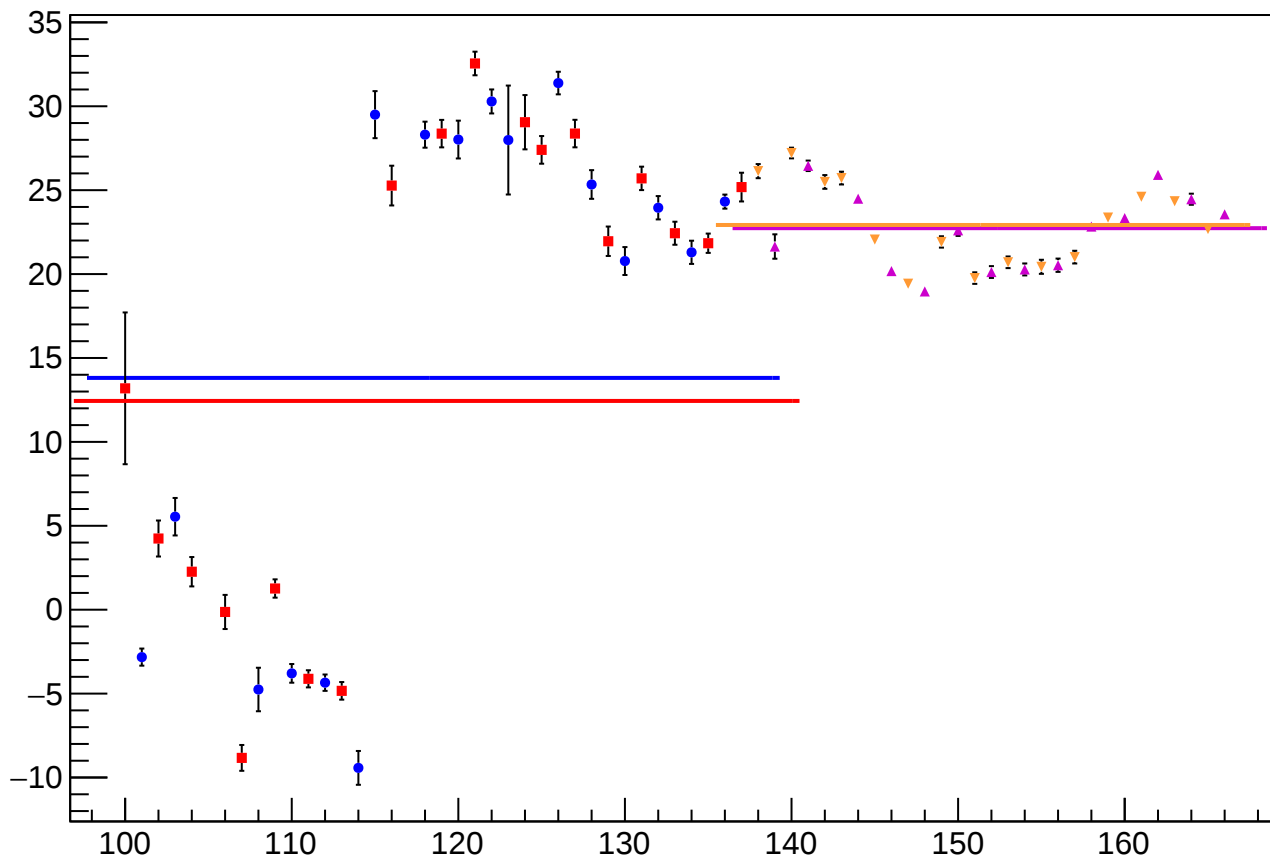
Right: 30.500 ± 0.186 χ^2/NDF : 1041.4/35

In: 29.613 ± 0.089 χ^2/NDF : 4116.8/30

Out: 30.695 ± 0.090 χ^2/NDF : 3331.4/33

All: 30.146 ± 0.063 χ^2/NDF : 7521.3/64

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 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: 22.735 $\pm$ 0.080 χ^2 /NDF: 809.1/13

Left: 22.830 $\pm$ 0.057 χ^2 /NDF: 1564.2/28

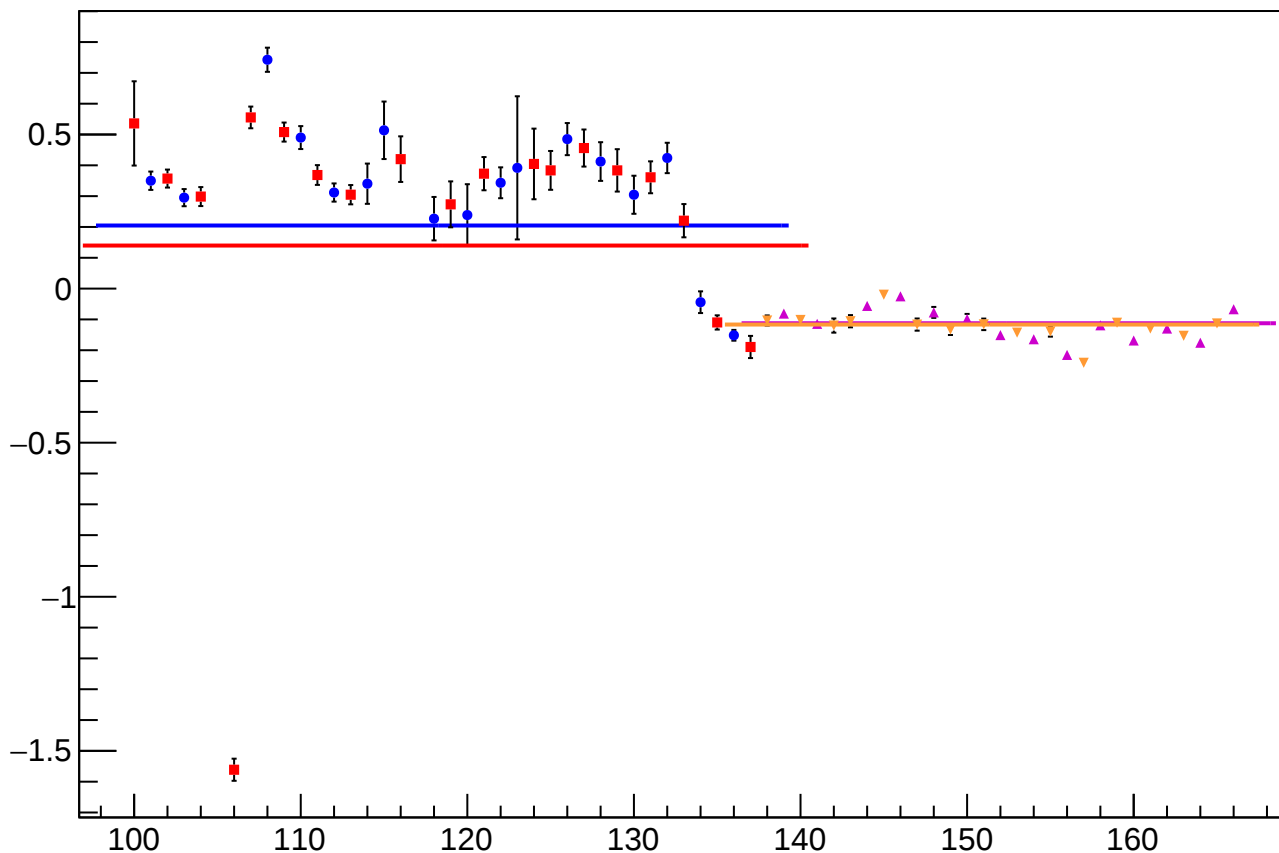
Right: 13.131 $\pm$ 0.122 χ^2 /NDF: 14320.3/35

In: 21.170 $\pm$ 0.072 χ^2 /NDF: 10329.4/30

Out: 21.081 $\pm$ 0.073 χ^2 /NDF: 10724.5/33

All: 21.126 $\pm$ 0.051 χ^2 /NDF: 21054.6/64

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 $\pm$ 0.009 χ^2 /NDF: 845.8/16

Left Out: -0.117 $\pm$ 0.004 χ^2 /NDF:180.7/14

Right Out: 0.140 $\pm$ 0.009 χ^2 /NDF: 3014.2/18

Left In: -0.112 $\pm$ 0.004 χ^2 /NDF:189.6/13

Left: -0.115 $\pm$ 0.003 χ^2 /NDF: 370.9/28

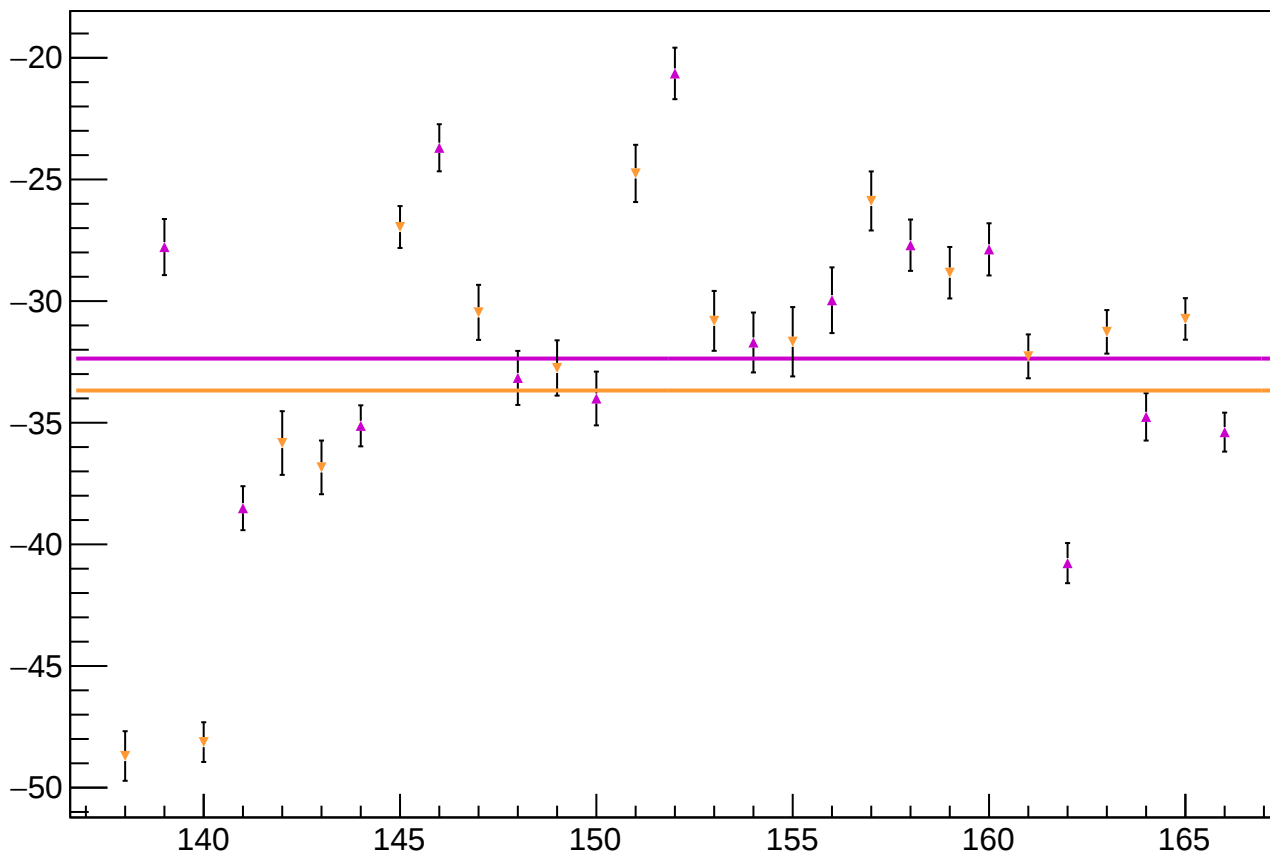
Right: 0.172 $\pm$ 0.007 χ^2 /NDF: 3884.5/35

In: -0.068 $\pm$ 0.004 χ^2 /NDF:2020.2/30

Out: -0.080 $\pm$ 0.003 χ^2 /NDF:3858.3/33

All: -0.074 $\pm$ 0.002 χ^2 /NDF: 5884.1/64

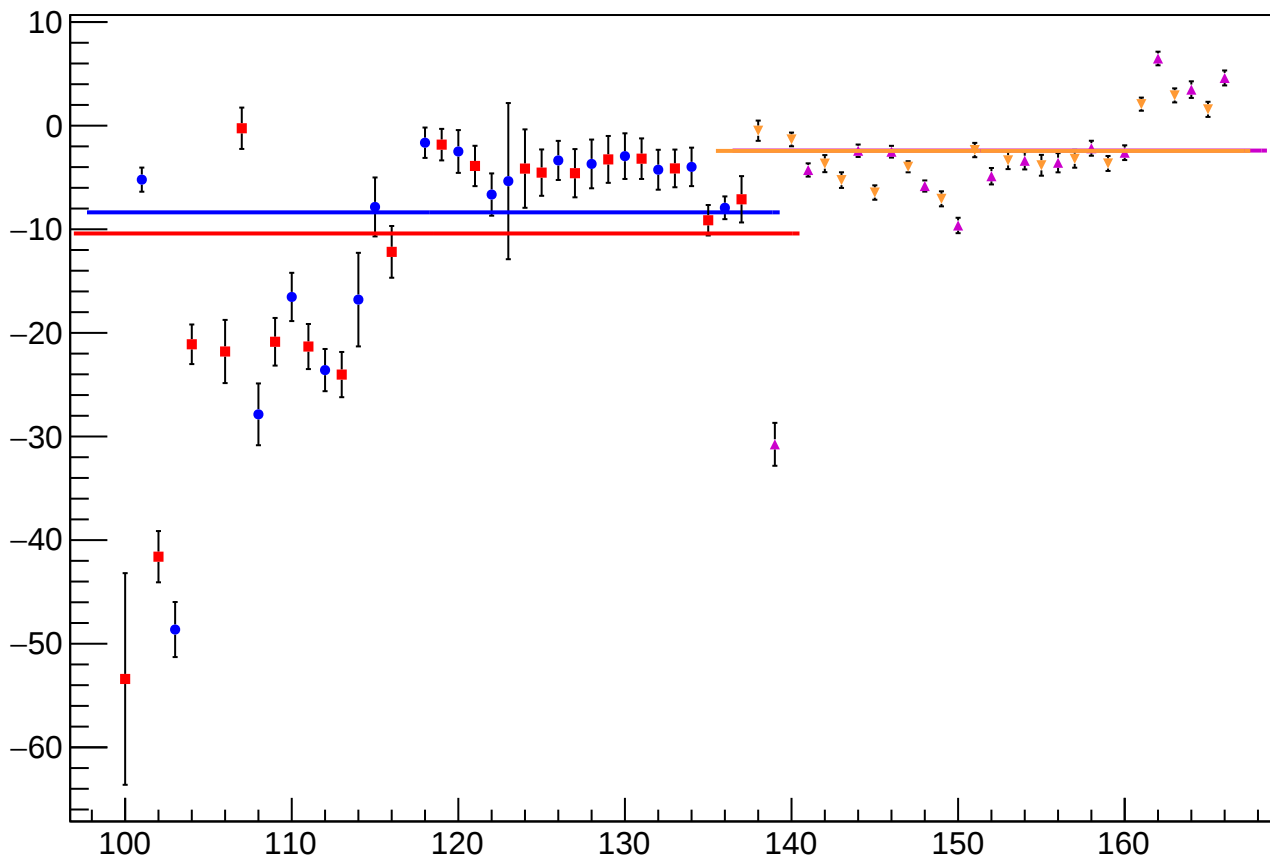
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -32.363+/-0.267 χ^2/NDF : 442.9/13

Left: -33.020+/-0.189 χ^2/NDF : 1214.8/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -32.363+/-0.267 χ^2/NDF : 442.9/13
 Out: -33.675+/-0.267 χ^2/NDF : 759.8/14
 All: -33.020+/-0.189 χ^2/NDF : 1214.8/28

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -2.436 ± 0.188 $\chi^2/\text{NDF}: 254.9/14$

Right Out: -10.405 ± 0.491 $\chi^2/\text{NDF}: 430.3/18$

Left In: -2.404 ± 0.190 $\chi^2/\text{NDF}: 673.5/13$

Left: -2.420 ± 0.134 $\chi^2/\text{NDF}: 928.4/28$

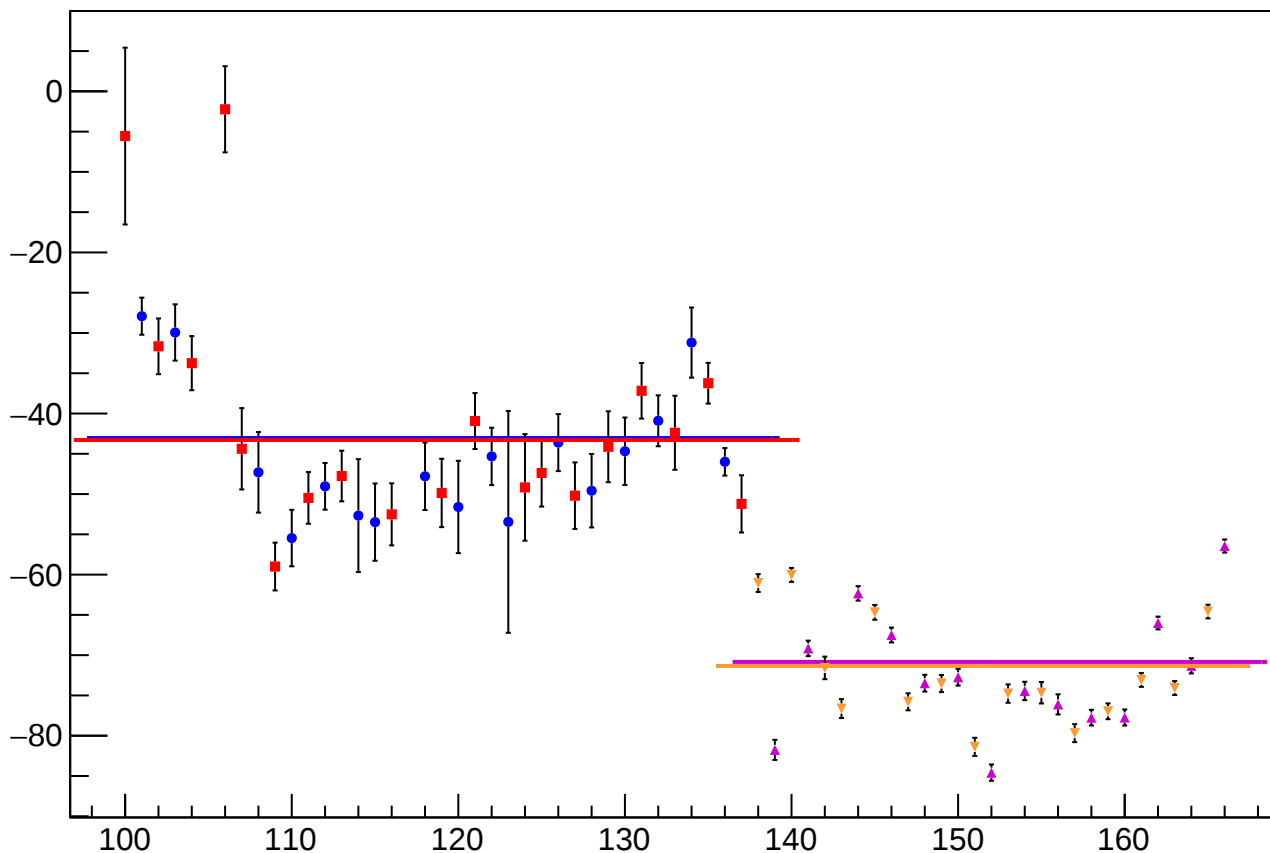
Right: -9.333 ± 0.338 $\chi^2/\text{NDF}: 848.2/35$

In: -3.256 ± 0.176 $\chi^2/\text{NDF}: 1222.6/30$

Out: -3.455 ± 0.176 $\chi^2/\text{NDF}: 914.9/33$

All: -3.356 ± 0.124 $\chi^2/\text{NDF}: 2138.2/64$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$
 Left Out: -71.345 ± 0.264 $\chi^2/\text{NDF}: 611.7/14$
 Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$
 Left In: -70.837 ± 0.262 $\chi^2/\text{NDF}: 850.8/13$

Left: -71.089 ± 0.186 $\chi^2/\text{NDF}: 1464.4/28$

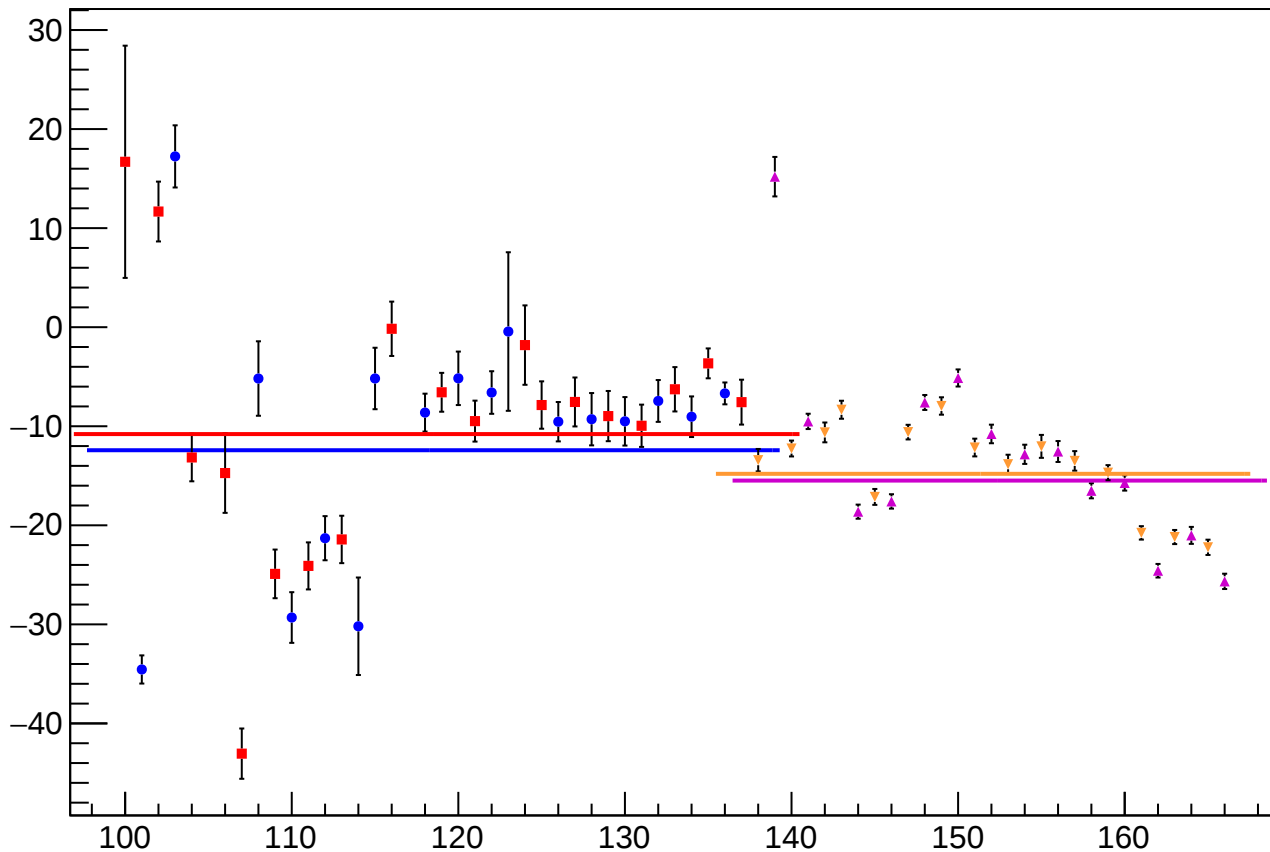
Right: -43.161 ± 0.602 $\chi^2/\text{NDF}: 253.4/35$

In: -68.366 ± 0.250 $\chi^2/\text{NDF}: 1953.5/30$

Out: -68.970 ± 0.252 $\chi^2/\text{NDF}: 1724.7/33$

All: -68.665 ± 0.177 $\chi^2/\text{NDF}: 3681.1/64$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -14.803 ± 0.219 χ^2/NDF : 448.4/14

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

Left In: -15.484 ± 0.221 χ^2/NDF : 1010.4/13

Left: -15.141 ± 0.155 χ^2/NDF : 1463.7/28

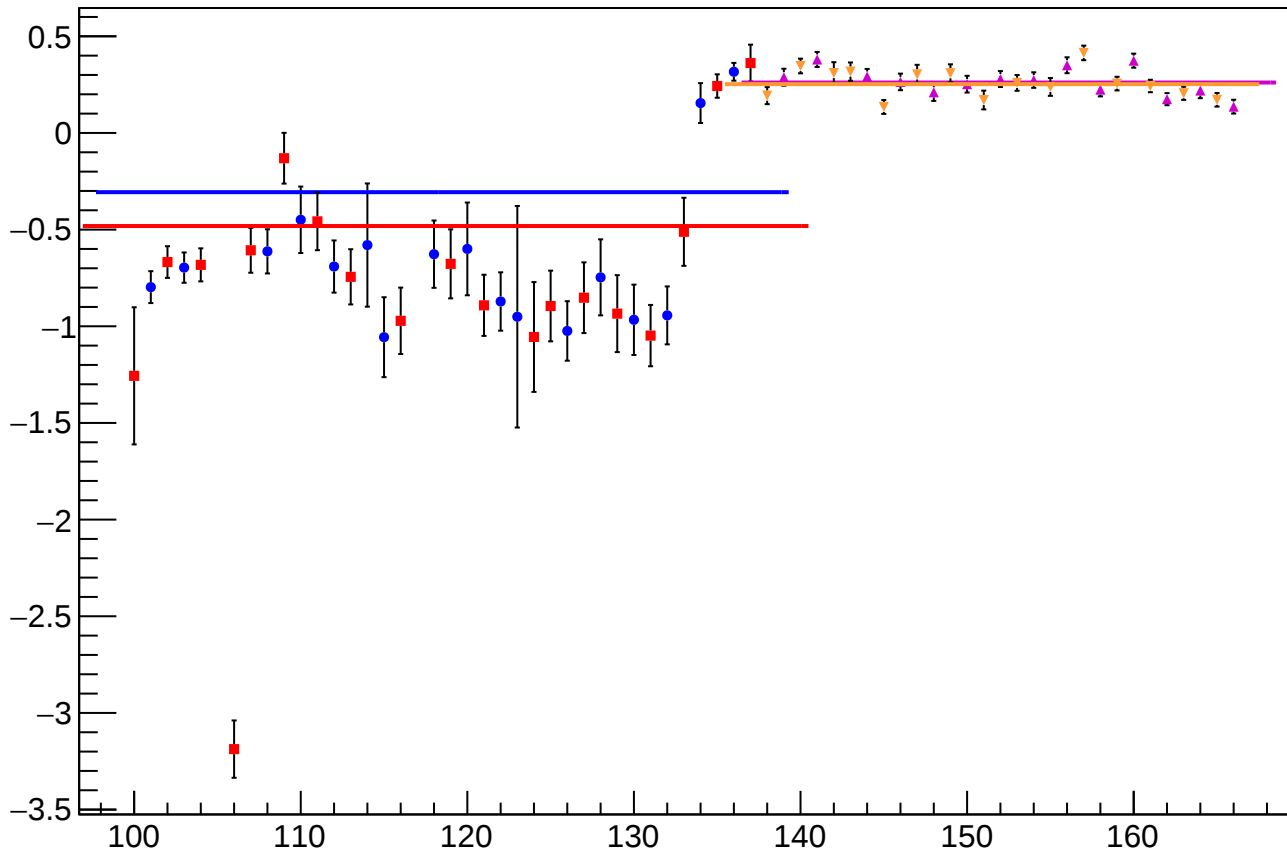
Right: -11.652 ± 0.380 χ^2/NDF : 844.7/35

In: -15.021 ± 0.203 χ^2/NDF : 1513.9/30

Out: -14.261 ± 0.204 χ^2/NDF : 859.6/33

All: -14.641 ± 0.144 χ^2/NDF : 2380.5/64

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.252 ± 0.010 χ^2/NDF : 52.9/14

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

Left In: 0.261 ± 0.010 χ^2/NDF : 48.3/13

Left: 0.257 ± 0.007 χ^2/NDF : 101.6/28

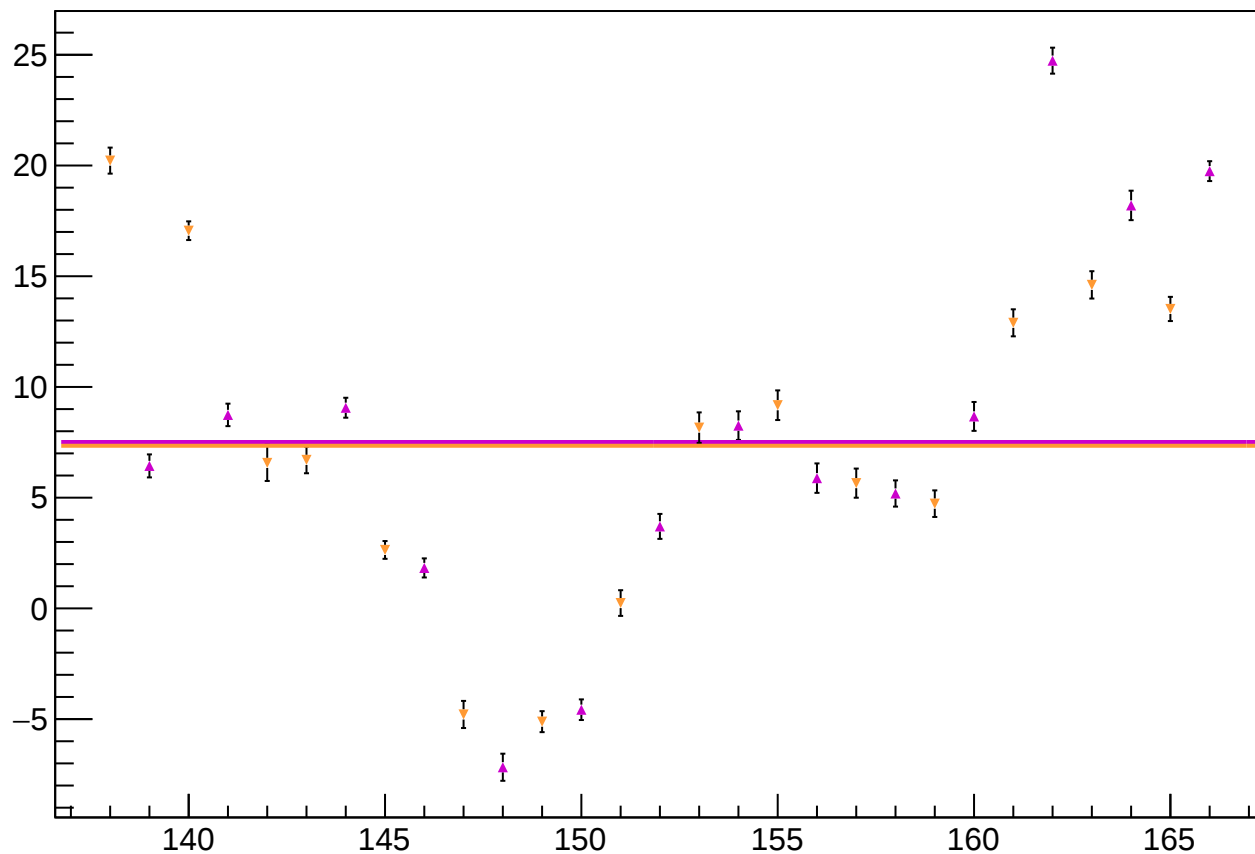
Right: -0.391 ± 0.020 χ^2/NDF : 1019.4/35

In: 0.190 ± 0.010 χ^2/NDF : 790.4/30

Out: 0.167 ± 0.010 χ^2/NDF : 1262.9/33

All: 0.178 ± 0.007 χ^2/NDF : 2056.2/64

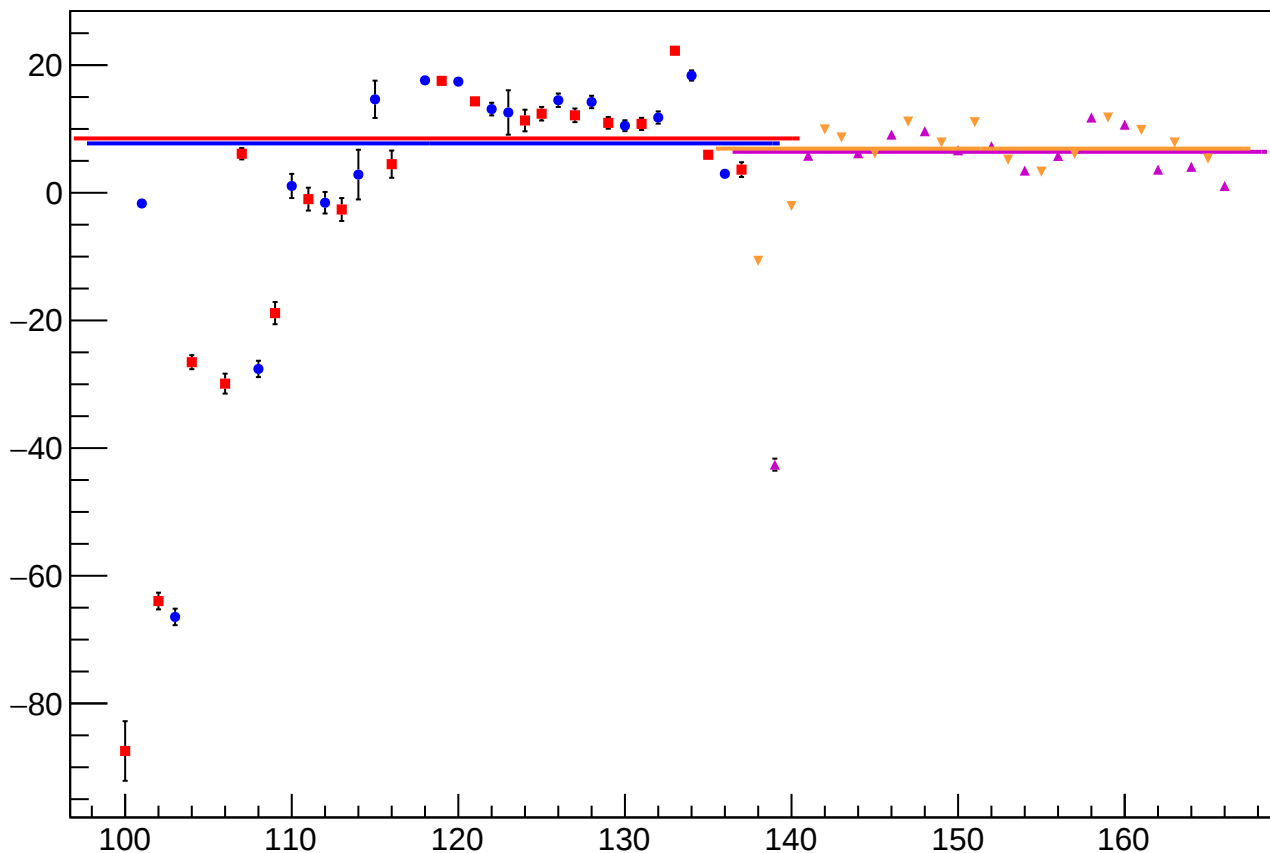
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.345+/-0.146 χ^2/NDF :2766.7/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.514+/-0.144 χ^2/NDF :3379.5/13

Left: 7.430+/-0.102 χ^2/NDF : 6147.0/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.514+/-0.144 χ^2/NDF :3379.5/13
 Out: 7.345+/-0.146 χ^2/NDF :2766.7/14
 All: 7.430+/-0.102 χ^2/NDF : 6147.0/28

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 $\pm$ 0.218 χ^2 /NDF: 5300.6/16

Left Out: 6.918 $\pm$ 0.103 χ^2 /NDF:2223.2/14

Right Out: 8.514 $\pm$ 0.213 χ^2 /NDF: 6719.4/18

Left In: 6.419 $\pm$ 0.104 χ^2 /NDF:3451.7/13

Left: 6.670 $\pm$ 0.073 χ^2 /NDF: 5686.6/28

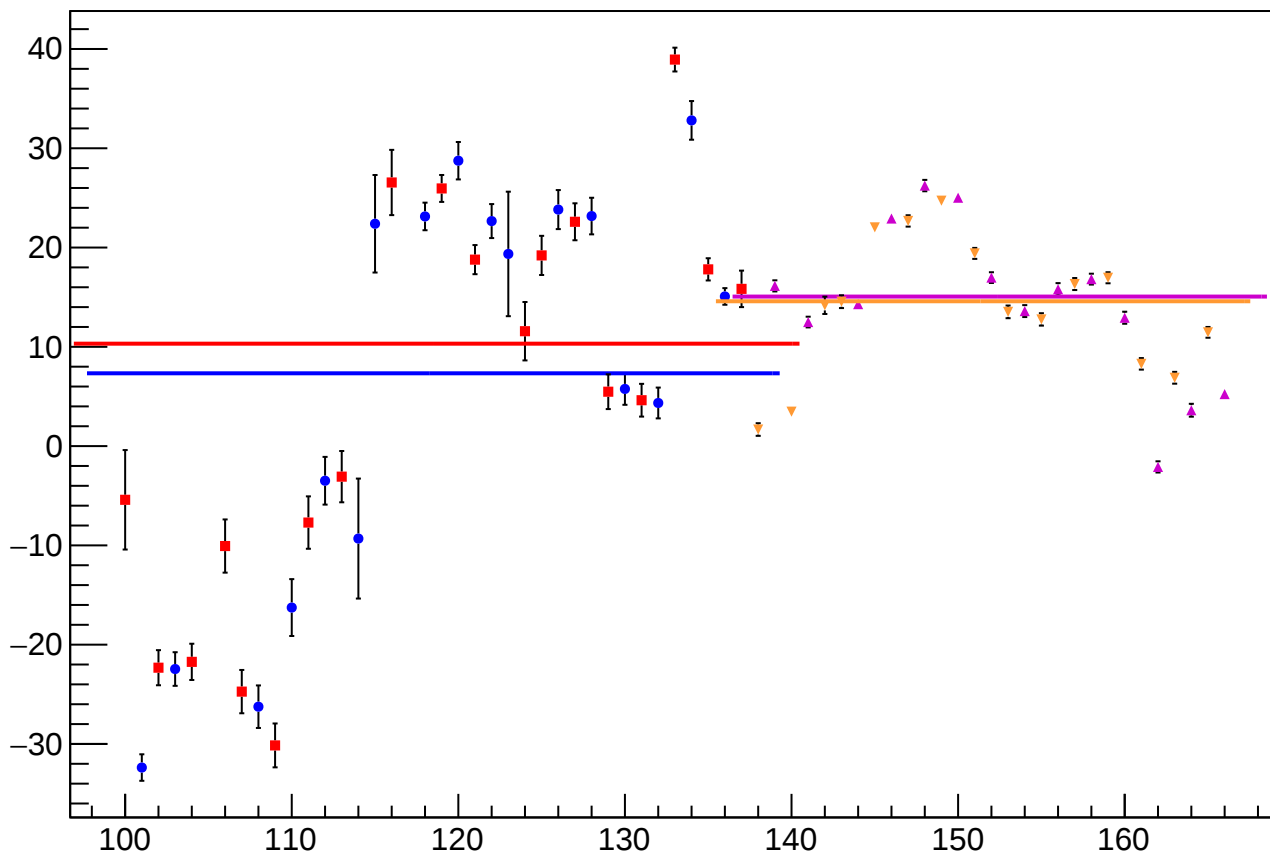
Right: 8.134 $\pm$ 0.152 χ^2 /NDF: 12026.5/35

In: 6.662 $\pm$ 0.094 χ^2 /NDF:8782.1/30

Out: 7.219 $\pm$ 0.093 χ^2 /NDF:8988.1/33

All: 6.944 $\pm$ 0.066 χ^2 /NDF: 17788.0/64

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 14.589 ± 0.144 χ^2/NDF : 2484.9/14

Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18

Left In: 15.062 ± 0.141 χ^2/NDF : 3029.4/13

Left: 14.831 ± 0.101 χ^2/NDF : 5519.9/28

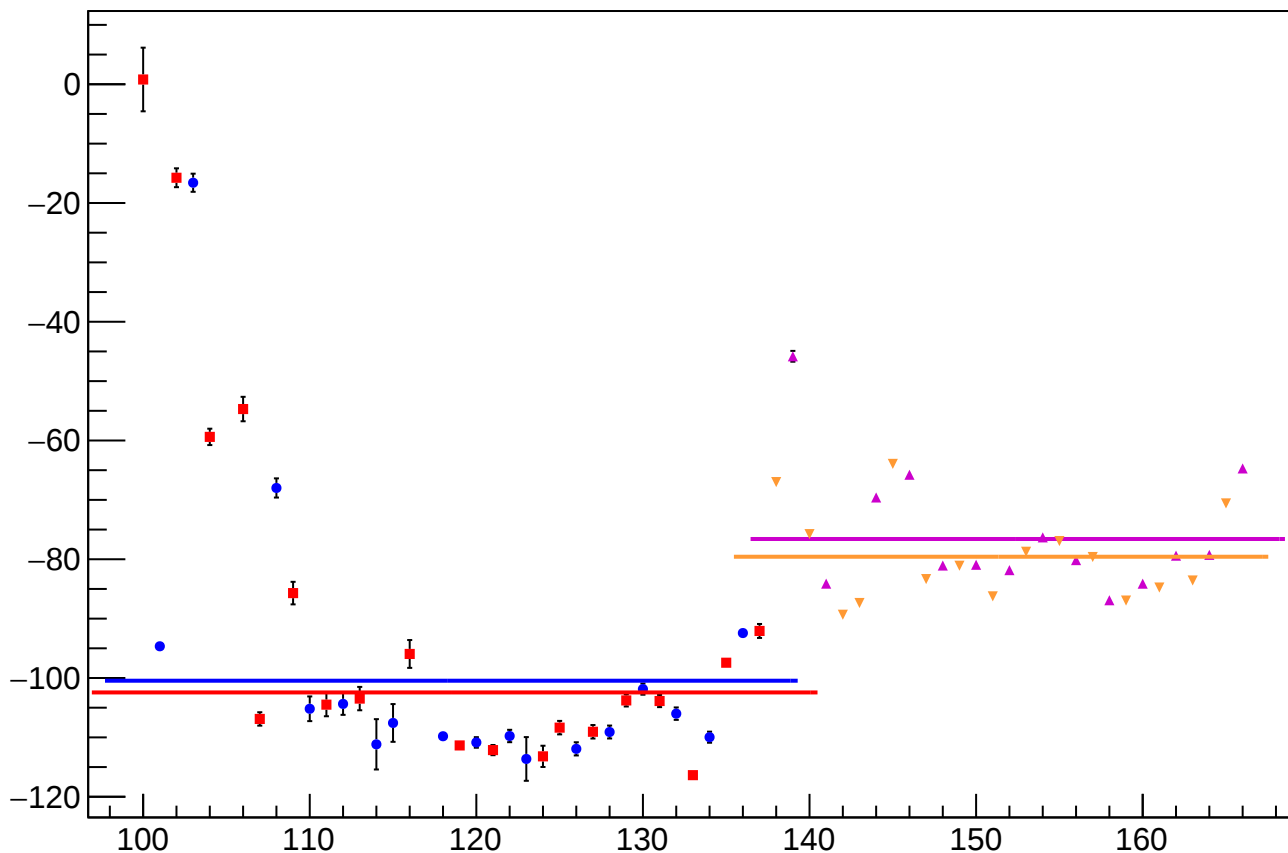
Right: 8.831 ± 0.295 χ^2/NDF : 4600.2/35

In: 14.273 ± 0.134 χ^2/NDF : 5628.7/30

Out: 14.134 ± 0.136 χ^2/NDF : 4860.3/33

All: 14.205 ± 0.095 χ^2/NDF : 10489.6/64

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -76.588+/-0.121 χ^2 /NDF: 4812.4/13

Left: -78.081+/-0.085 χ^2 /NDF: 8911.5/28

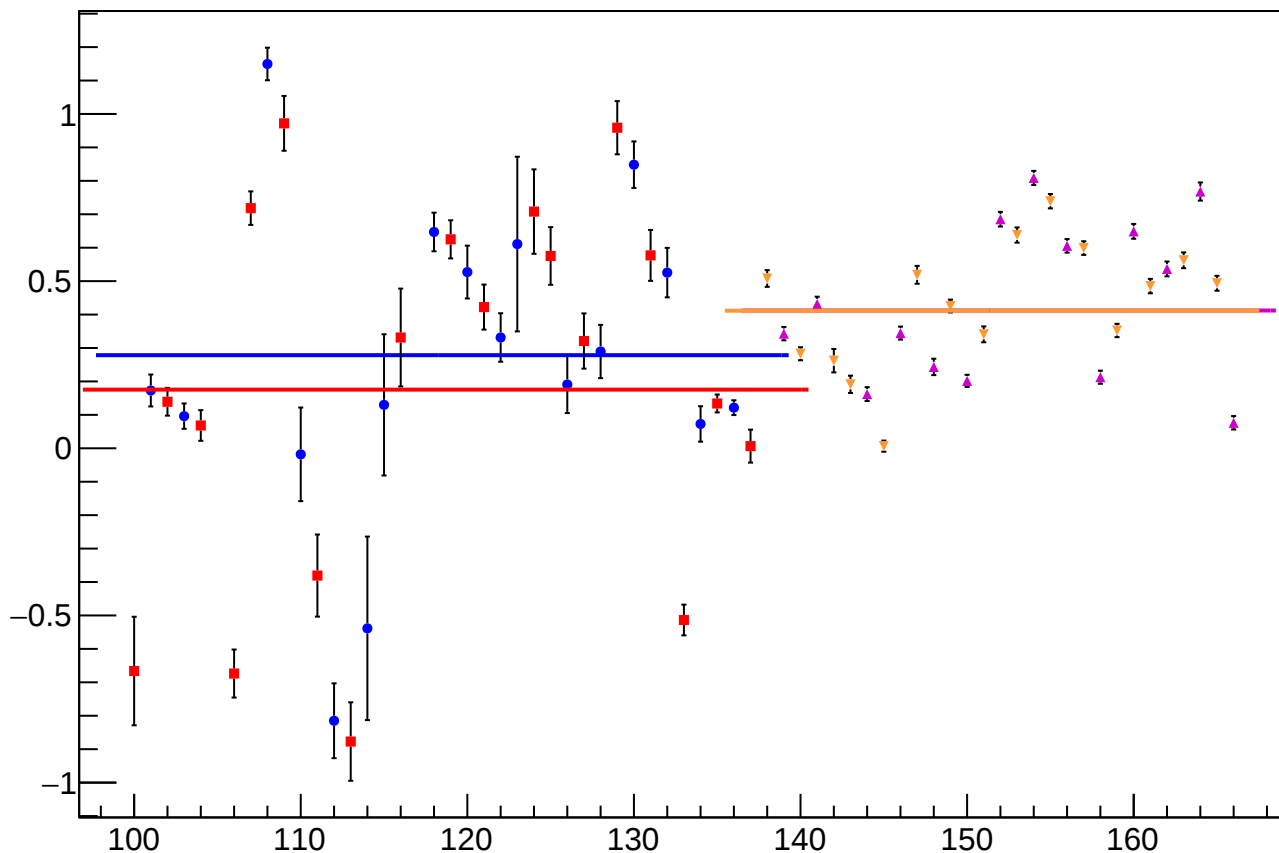
Right: -101.462+/-0.176 χ^2 /NDF: 10586.9/35

In: -81.071+/-0.109 χ^2 /NDF: 16633.4/30

Out: -83.996+/-0.108 χ^2 /NDF: 16834.3/33

All: -82.538+/-0.077 χ^2 /NDF: 33831.4/64

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.412 ± 0.006 χ^2/NDF : 1650.9/13

Left: 0.412 ± 0.004 χ^2/NDF : 2905.3/28

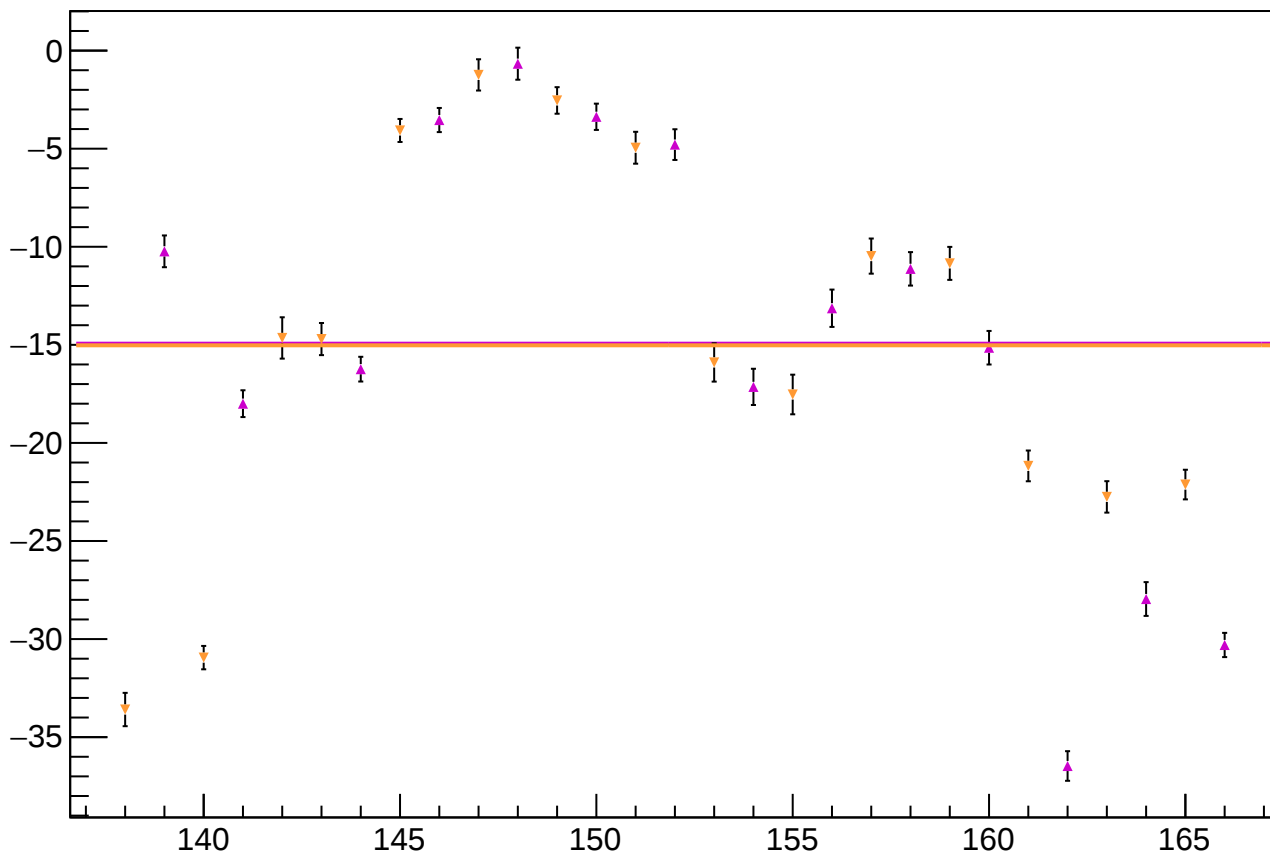
Right: 0.227 ± 0.010 χ^2/NDF : 1650.8/35

In: 0.392 ± 0.005 χ^2/NDF : 2388.0/30

Out: 0.376 ± 0.005 χ^2/NDF : 2482.6/33

All: 0.384 ± 0.004 χ^2/NDF : 4875.7/64

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



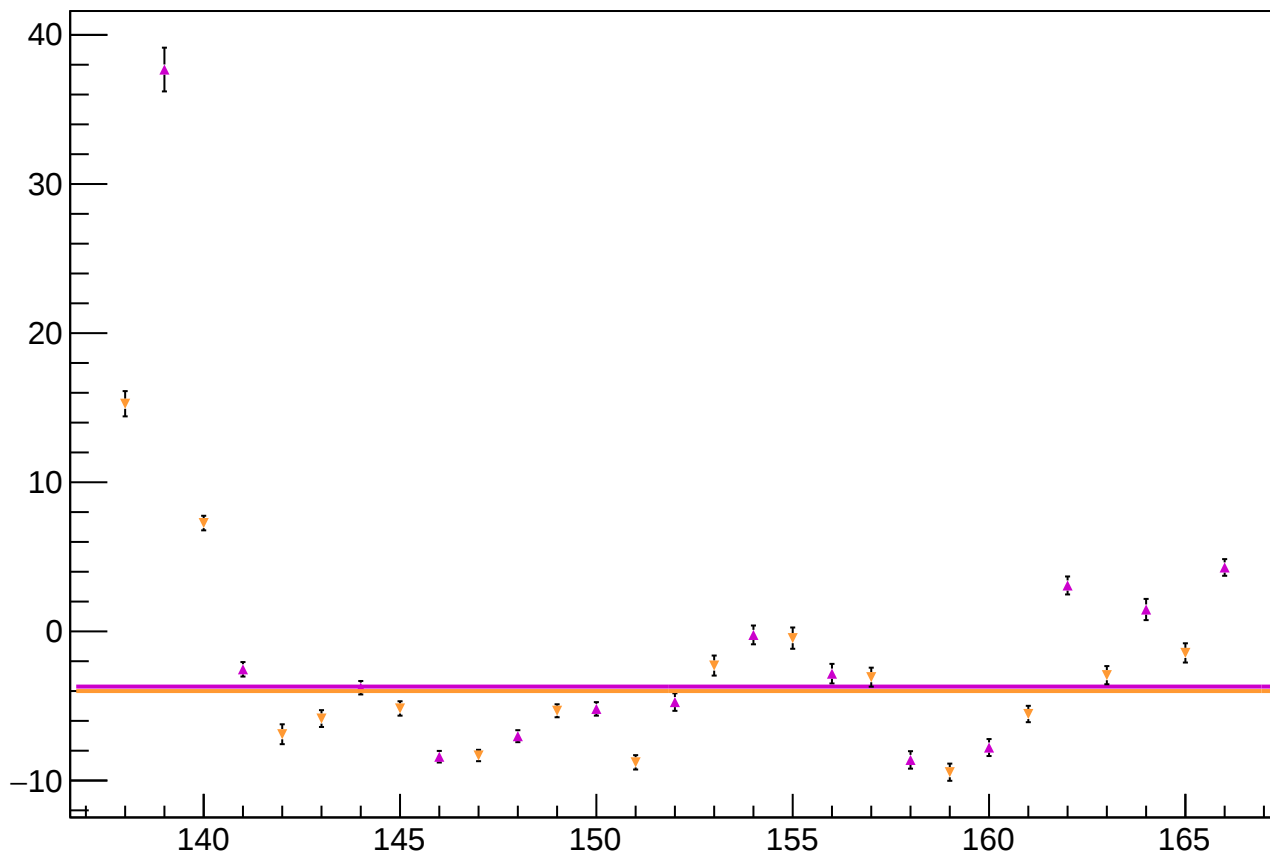
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -15.024+/-0.202 χ^2/NDF : 2633.3/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -14.942+/-0.200 χ^2/NDF : 2862.1/13

Left: -14.982+/-0.142 χ^2/NDF : 5495.5/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.942+/-0.200 χ^2/NDF : 2862.1/13
 Out: -15.024+/-0.202 χ^2/NDF : 2633.3/14

All: -14.982+/-0.142 χ^2/NDF : 5495.5/28

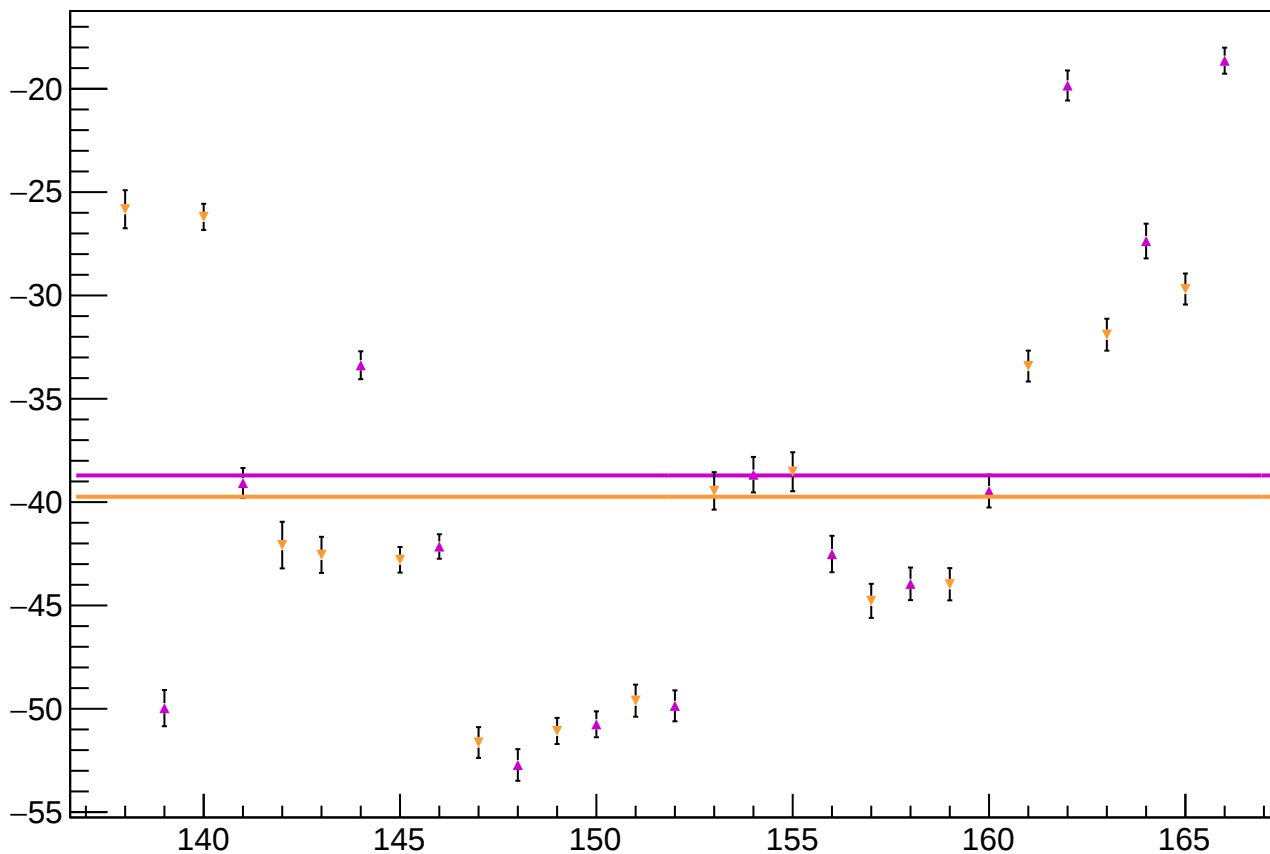
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -4.001+/-0.142 χ^2/NDF :1469.1/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.700+/-0.143 χ^2/NDF :1567.5/13

Left: -3.852+/-0.101 χ^2/NDF : 3038.8/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.700+/-0.143 χ^2/NDF :1567.5/13
 Out: -4.001+/-0.142 χ^2/NDF :1469.1/14
 All: -3.852+/-0.101 χ^2/NDF : 3038.8/28

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -39.740 ± 0.200 χ^2/NDF : 1881.5/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -38.709 ± 0.196 χ^2/NDF : 3124.2/13

Left: -39.215 ± 0.140 χ^2/NDF : 5019.3/28

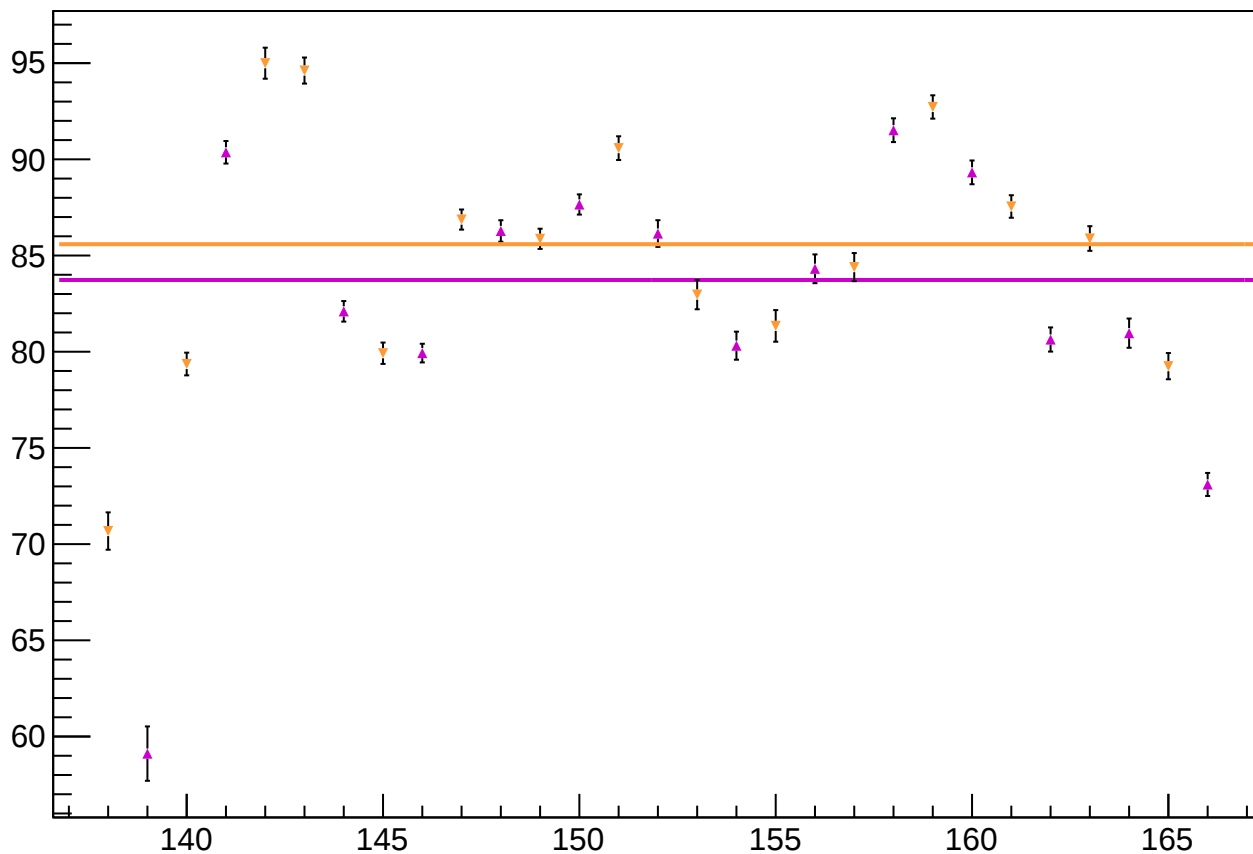
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -38.709 ± 0.196 χ^2/NDF : 3124.2/13

Out: -39.740 ± 0.200 χ^2/NDF : 1881.5/14

All: -39.215 ± 0.140 χ^2/NDF : 5019.3/28

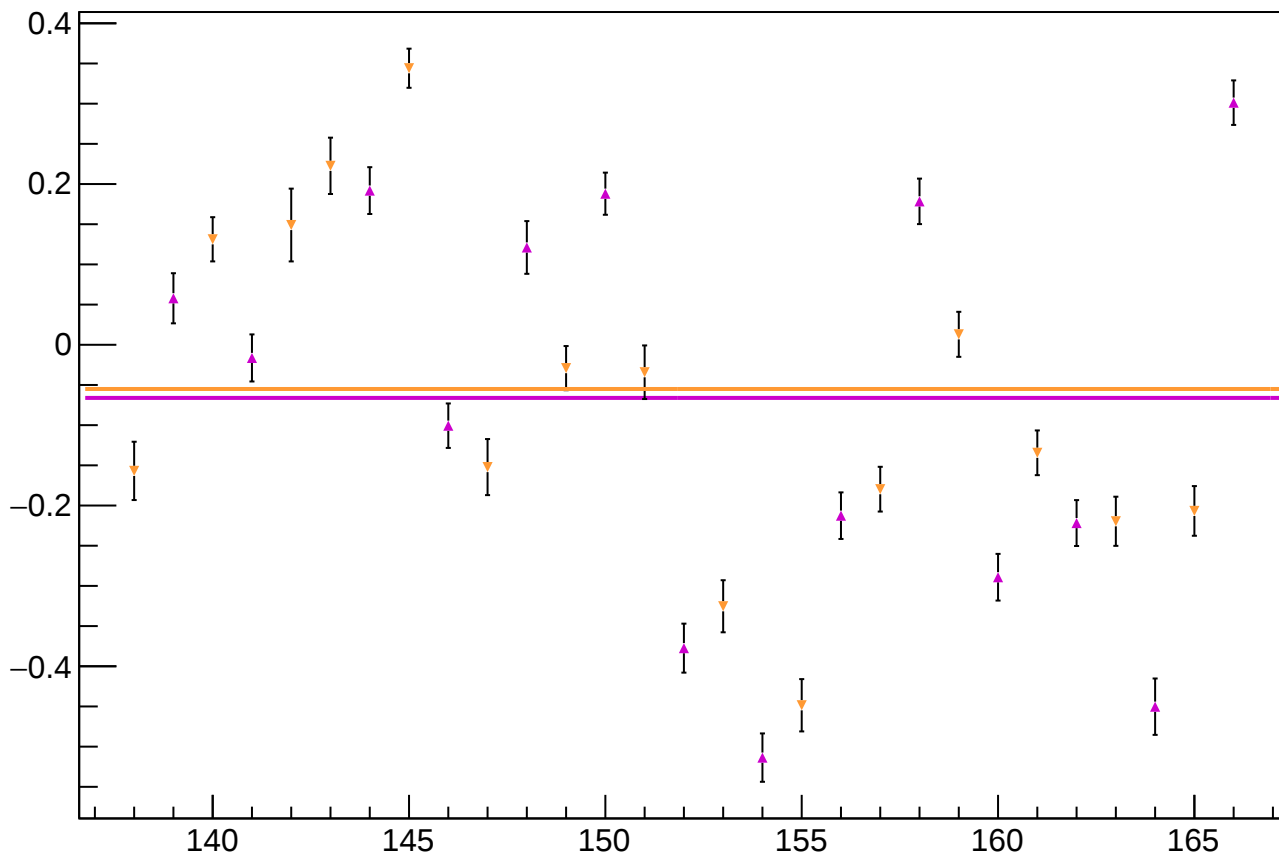
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: 85.589 +/- 0.166 χ^2/NDF : 1114.1/14
 Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left In: 83.729 +/- 0.167 χ^2/NDF : 1207.4/13

Left: 84.659 +/- 0.118 χ^2/NDF : 2383.9/28
 Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 In: 83.729 +/- 0.167 χ^2/NDF : 1207.4/13
 Out: 85.589 +/- 0.166 χ^2/NDF : 1114.1/14
 All: 84.659 +/- 0.118 χ^2/NDF : 2383.9/28

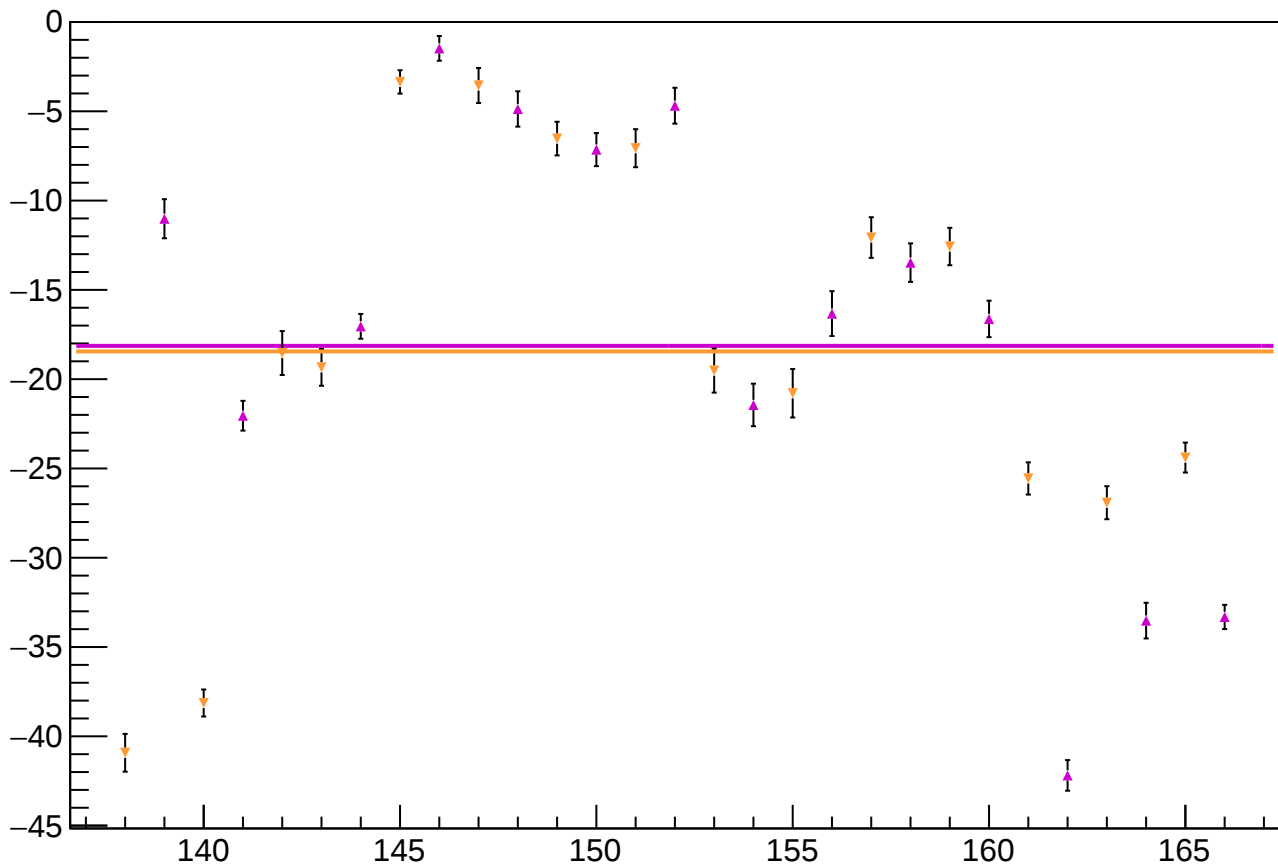
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.055+/-0.008 χ^2/NDF : 717.7/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.066+/-0.008 χ^2/NDF : 1035.5/13

Left: -0.061+/-0.006 χ^2/NDF : 1754.2/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.066+/-0.008 χ^2/NDF : 1035.5/13
 Out: -0.055+/-0.008 χ^2/NDF : 717.7/14
 All: -0.061+/-0.006 χ^2/NDF : 1754.2/28

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -18.447+/-0.247 χ^2/NDF :2426.8/14

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

Left In: -18.134+/-0.240 χ^2/NDF :2704.5/13

Left: -18.286+/-0.172 χ^2/NDF : 5132.1/28

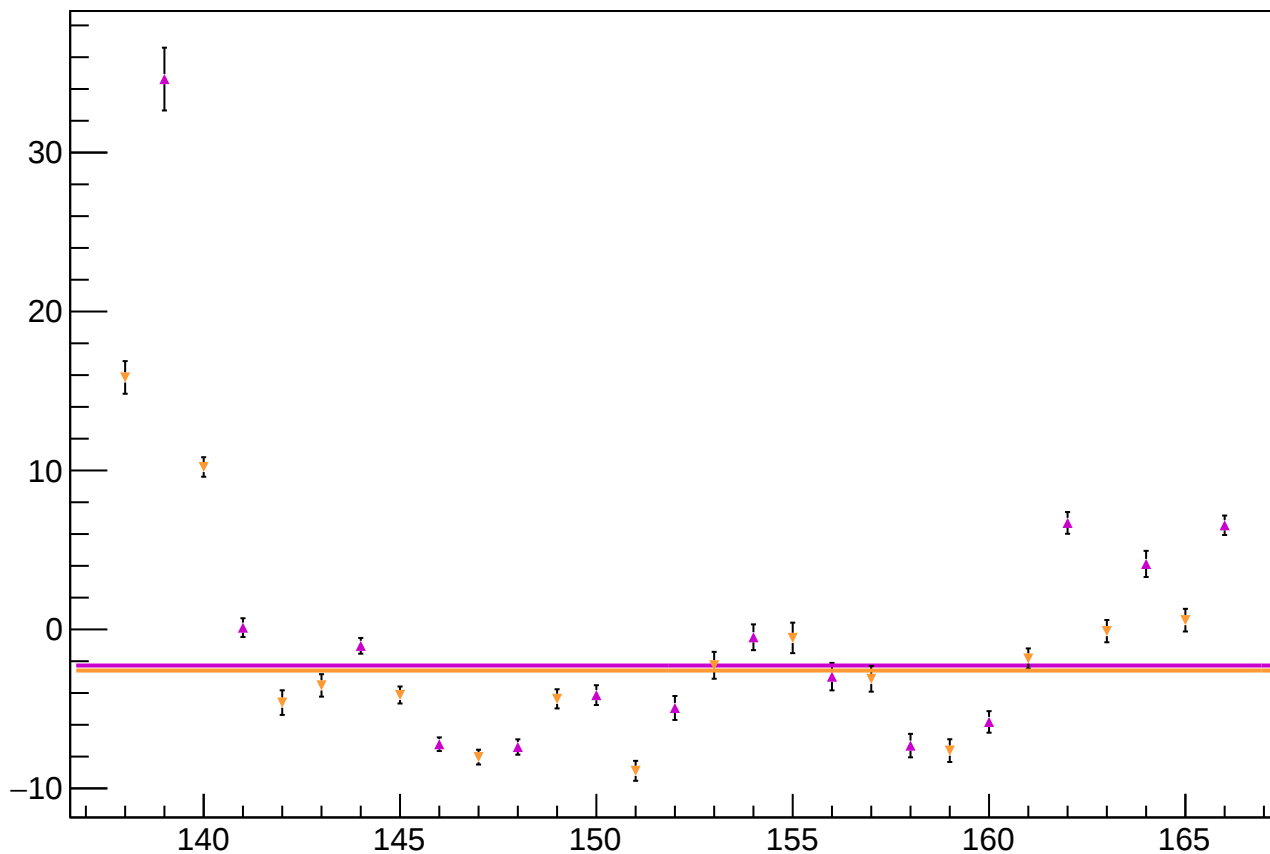
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.134+/-0.240 χ^2/NDF :2704.5/13

Out: -18.447+/-0.247 χ^2/NDF :2426.8/14

All: -18.286+/-0.172 χ^2/NDF : 5132.1/28

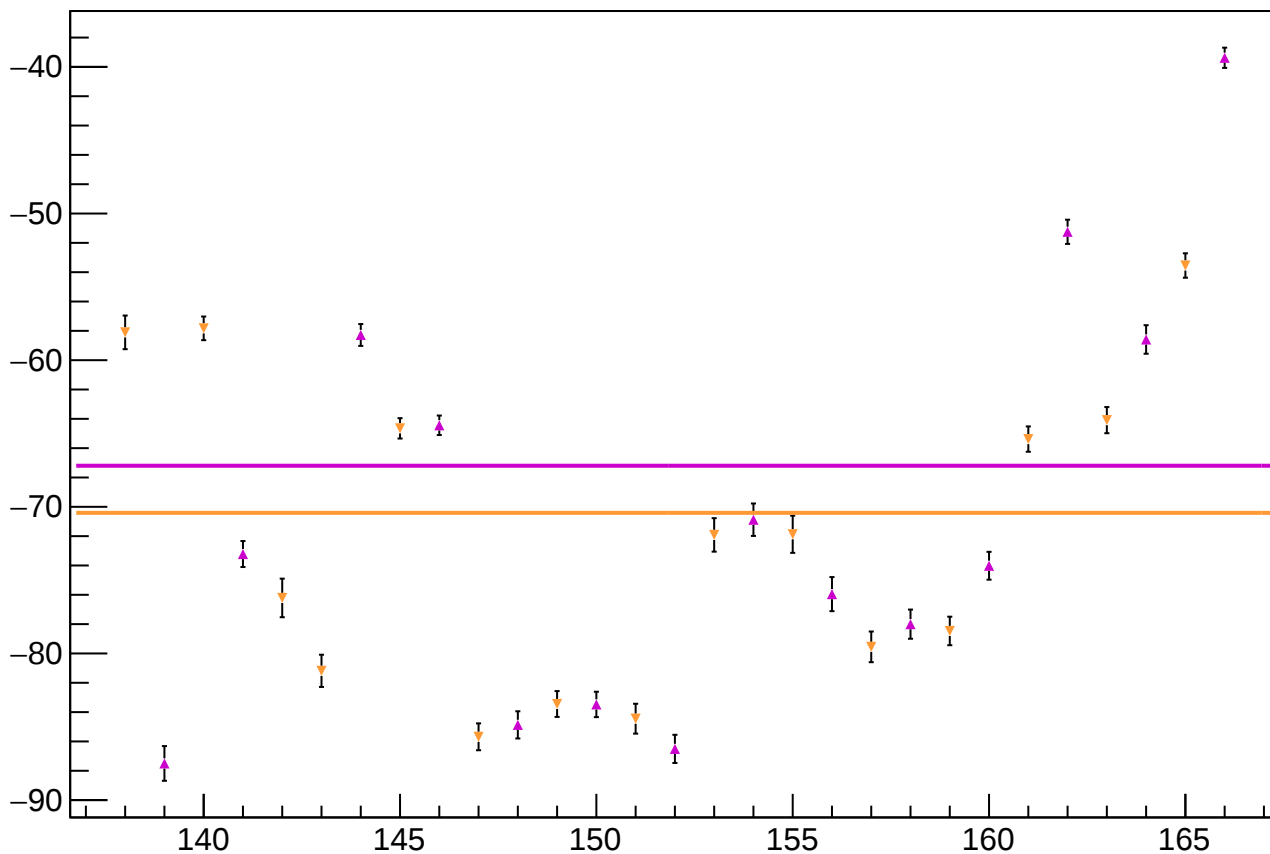
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.586+/-0.174 χ^2/NDF : 1107.9/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.271+/-0.170 χ^2/NDF : 1159.0/13

Left: -2.425+/-0.122 χ^2/NDF : 2268.6/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.271+/-0.170 χ^2/NDF : 1159.0/13
 Out: -2.586+/-0.174 χ^2/NDF : 1107.9/14
 All: -2.425+/-0.122 χ^2/NDF : 2268.6/28

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -70.411+/-0.245 χ^2/NDF :1872.6/14

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

Left In: -67.198+/-0.236 χ^2/NDF :3937.8/13

Left: -68.744+/-0.170 χ^2/NDF : 5899.5/28

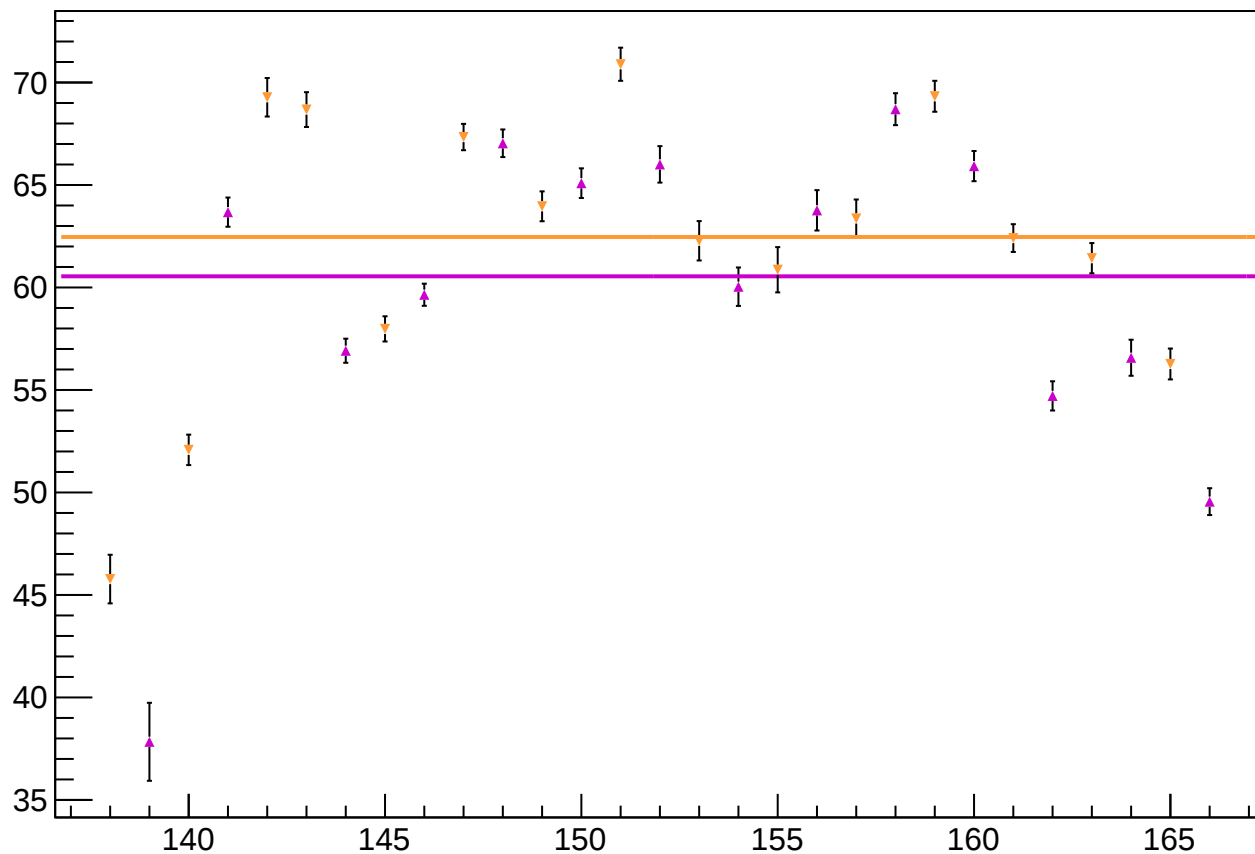
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -67.198+/-0.236 χ^2/NDF :3937.8/13

Out: -70.411+/-0.245 χ^2/NDF :1872.6/14

All: -68.744+/-0.170 χ^2/NDF : 5899.5/28

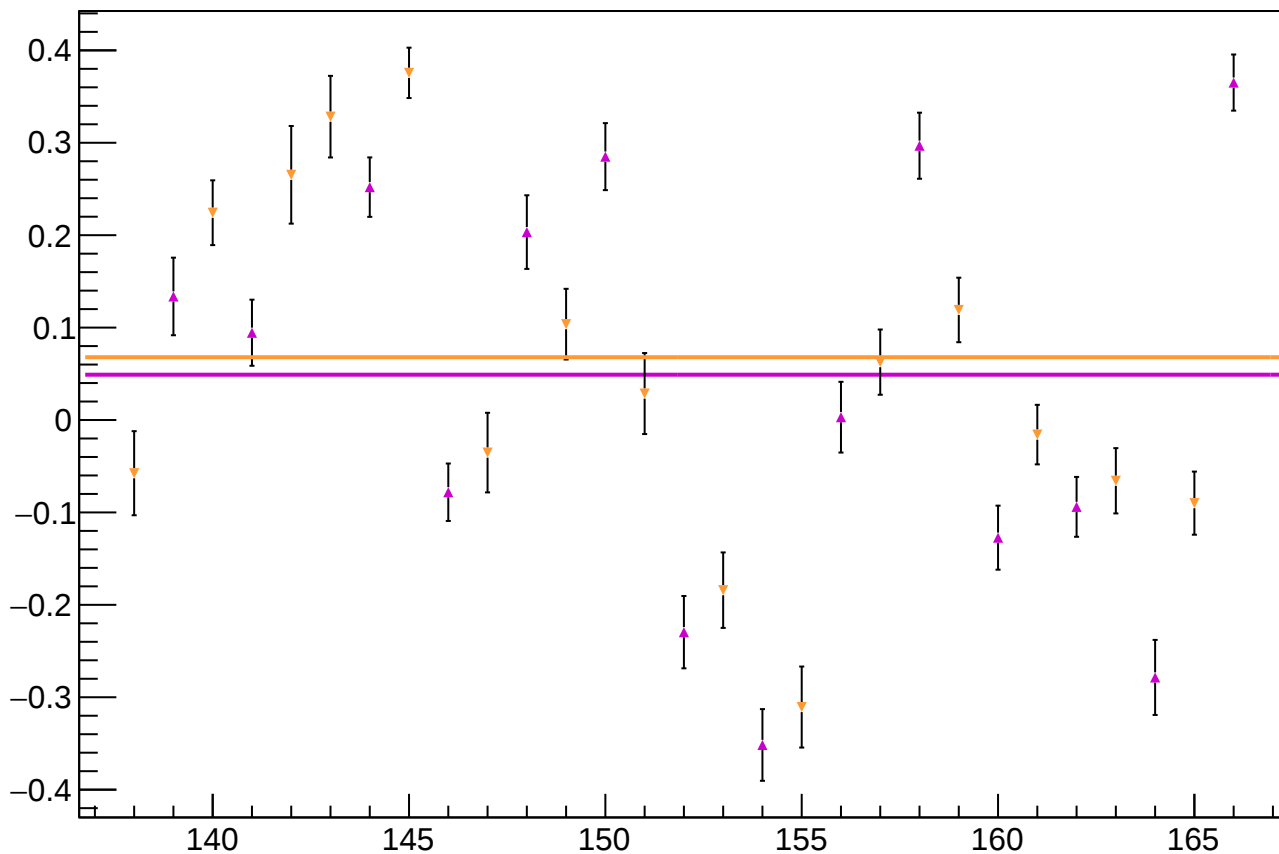
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 62.463+/-0.204 χ^2/NDF : 878.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 60.545+/-0.199 χ^2/NDF : 915.2/13

Left: 61.483+/-0.142 χ^2/NDF : 1839.2/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 60.545+/-0.199 χ^2/NDF : 915.2/13
 Out: 62.463+/-0.204 χ^2/NDF : 878.6/14
 All: 61.483+/-0.142 χ^2/NDF : 1839.2/28

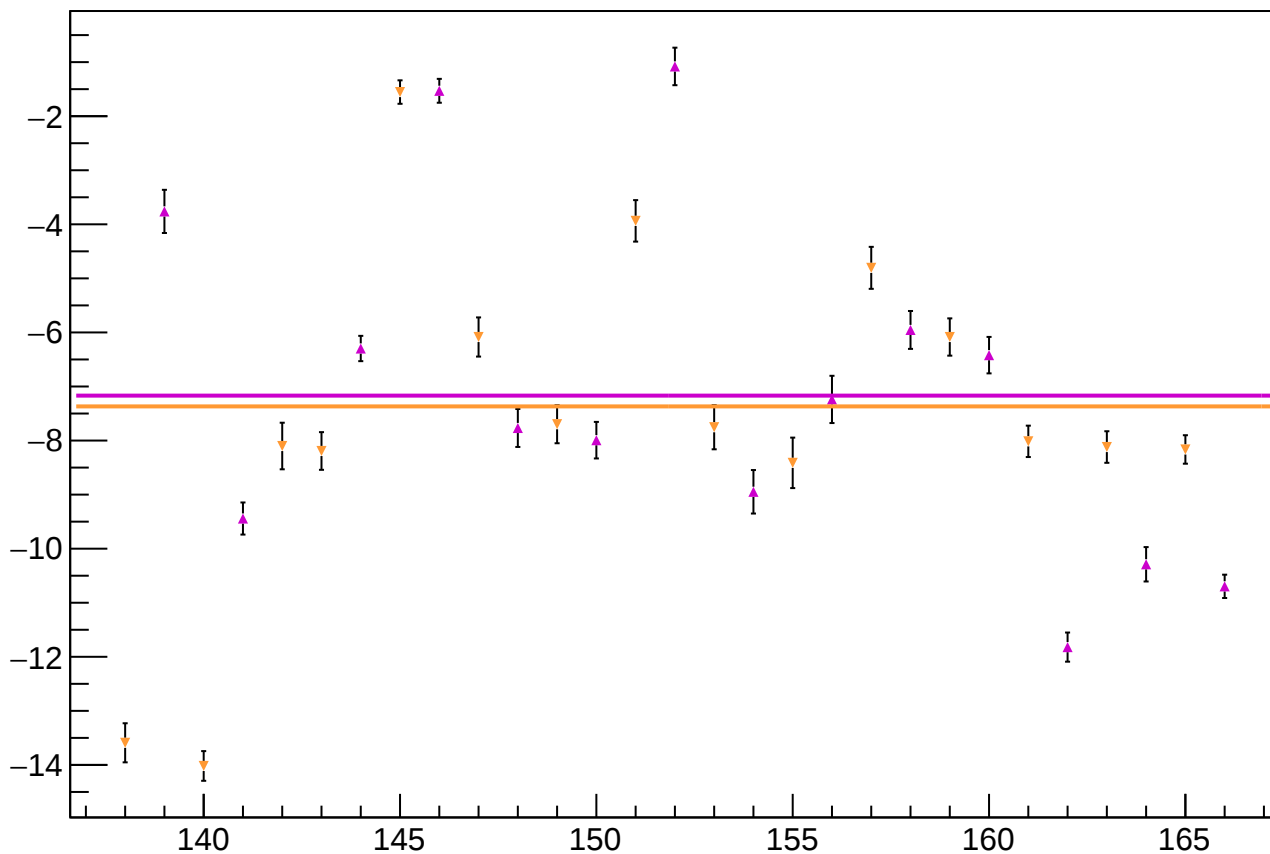
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.068 $\pm$ 0.010 χ^2 /NDF:368.5/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.049 $\pm$ 0.010 χ^2 /NDF:545.3/13

Left: 0.058 $\pm$ 0.007 χ^2 /NDF: 915.6/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.049 $\pm$ 0.010 χ^2 /NDF:545.3/13
 Out: 0.068 $\pm$ 0.010 χ^2 /NDF:368.5/14
 All: 0.058 $\pm$ 0.007 χ^2 /NDF: 915.6/28

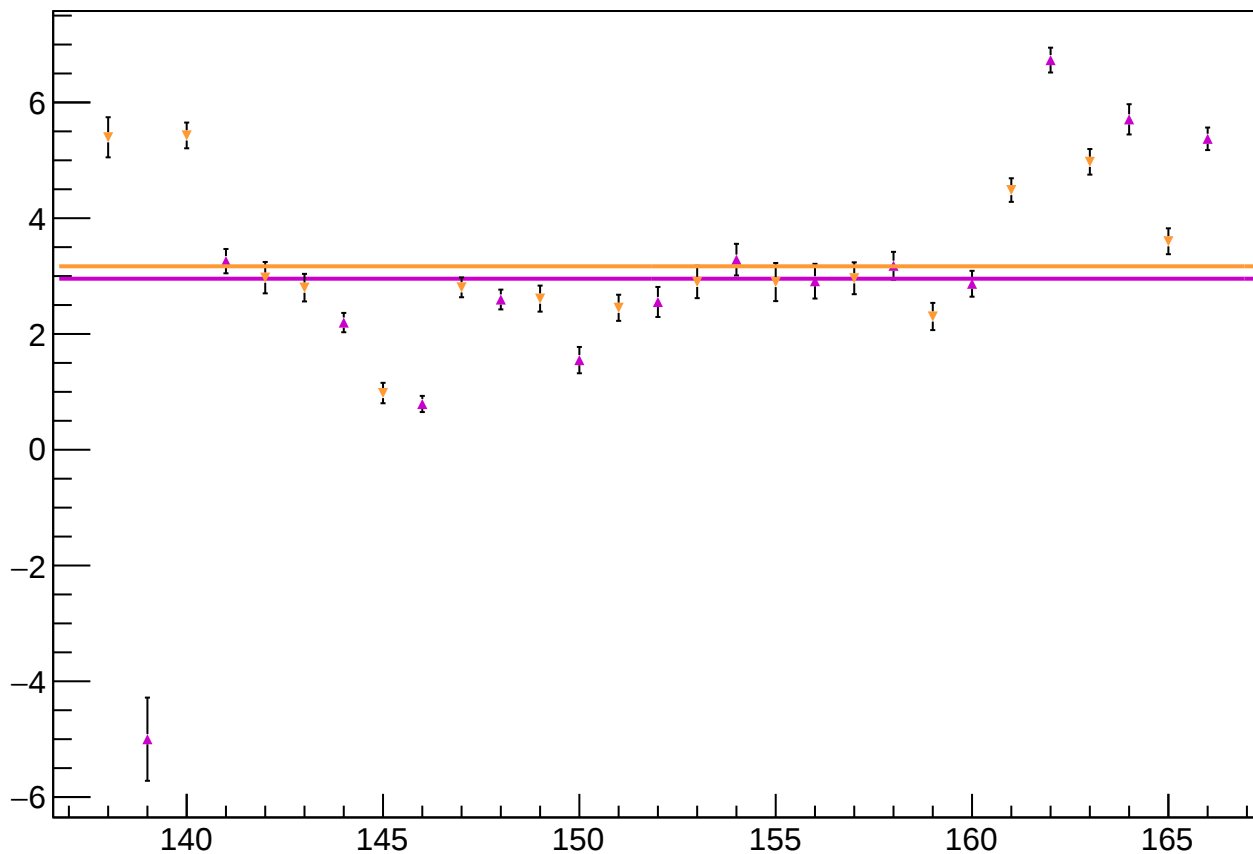
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.368 $\pm$ 0.084 χ^2 /NDF:1786.6/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.169 $\pm$ 0.080 χ^2 /NDF:1811.6/13

Left: -7.264 $\pm$ 0.058 χ^2 /NDF: 3601.2/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -7.169 $\pm$ 0.080 χ^2 /NDF:1811.6/13
 Out: -7.368 $\pm$ 0.084 χ^2 /NDF:1786.6/14
 All: -7.264 $\pm$ 0.058 χ^2 /NDF: 3601.2/28

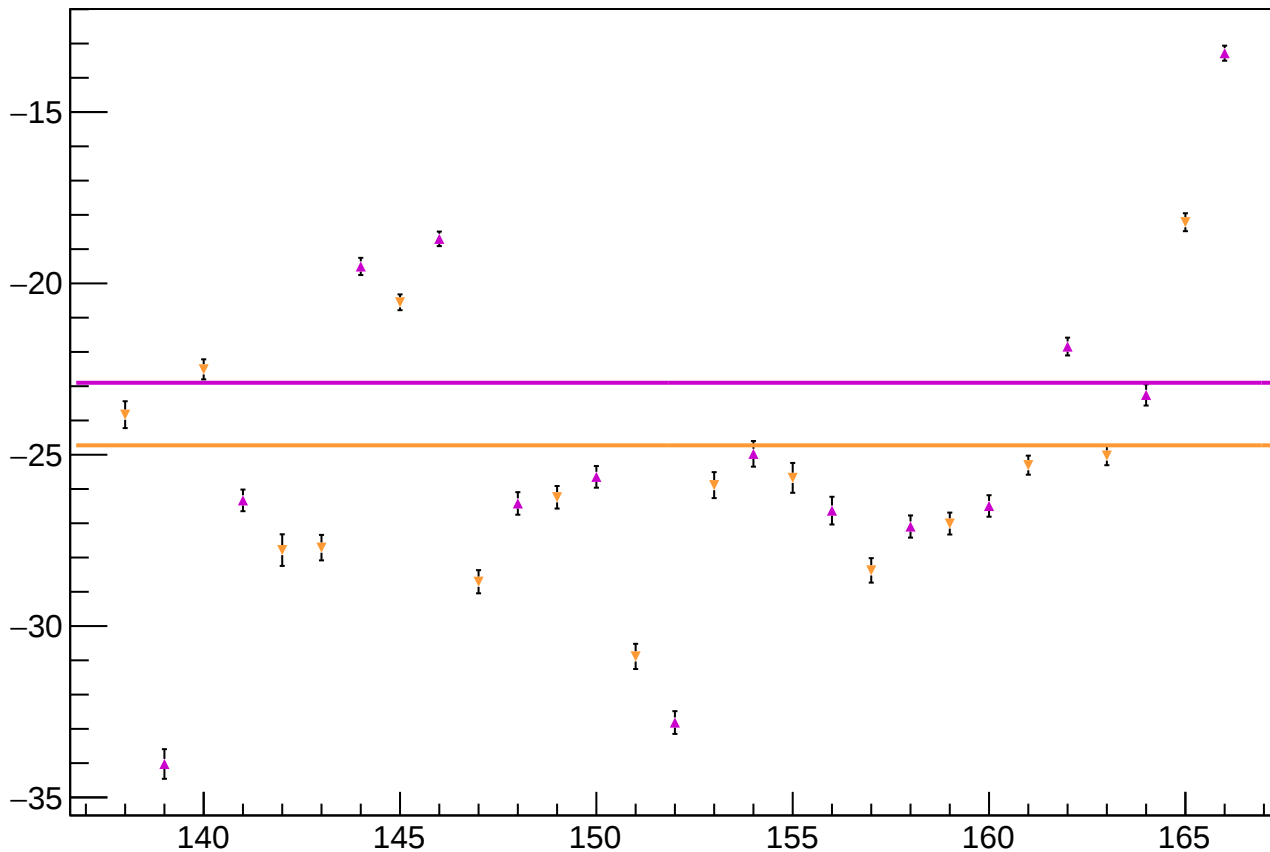
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.169+/-0.059 χ^2/NDF :450.5/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.955+/-0.057 χ^2/NDF :1008.3/13

Left: 3.058+/-0.041 χ^2/NDF : 1465.6/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.955+/-0.057 χ^2/NDF :1008.3/13
 Out: 3.169+/-0.059 χ^2/NDF :450.5/14
 All: 3.058+/-0.041 χ^2/NDF : 1465.6/28

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -24.726+/-0.083 χ^2/NDF :1734.5/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -22.899+/-0.079 χ^2/NDF :4784.2/13

Left: -23.764+/-0.057 χ^2/NDF : 6772.3/28

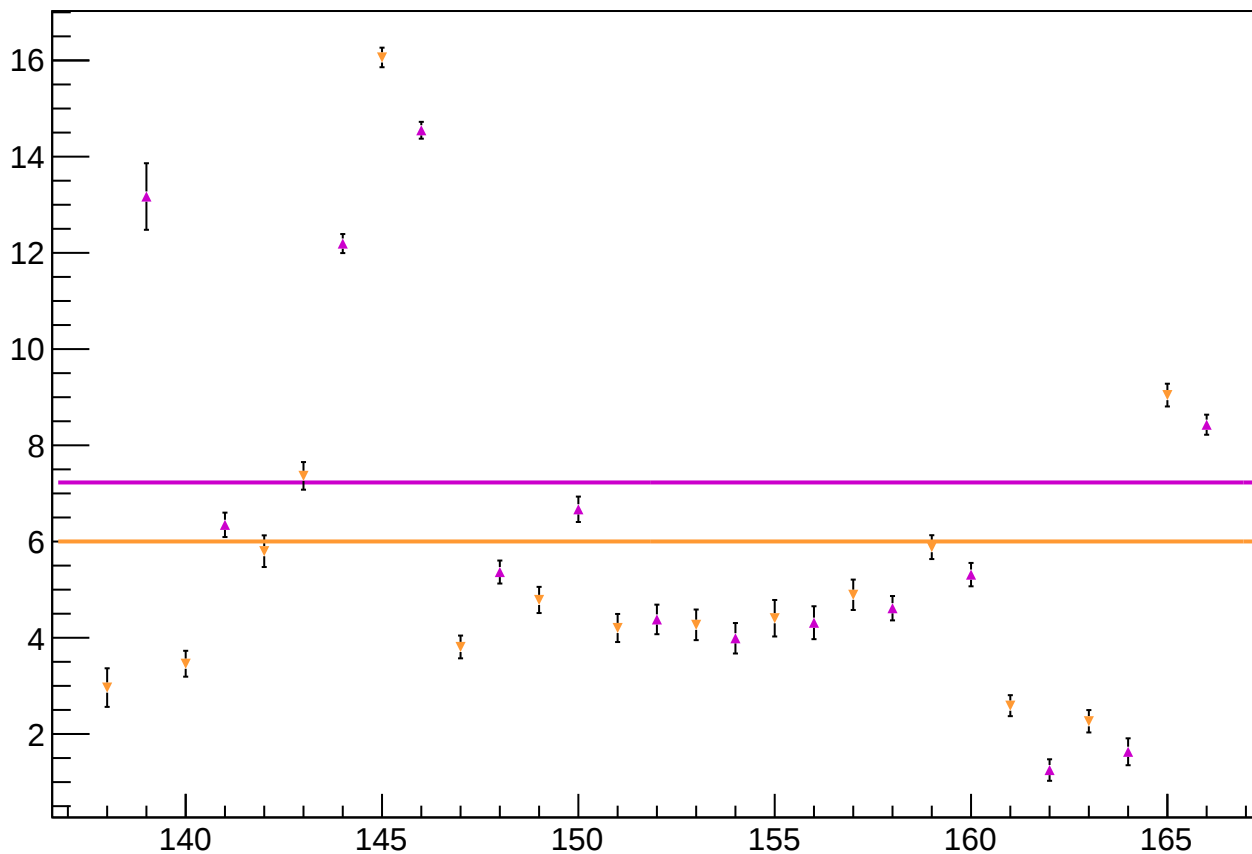
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -22.899+/-0.079 χ^2/NDF :4784.2/13

Out: -24.726+/-0.083 χ^2/NDF :1734.5/14

All: -23.764+/-0.057 χ^2/NDF : 6772.3/28

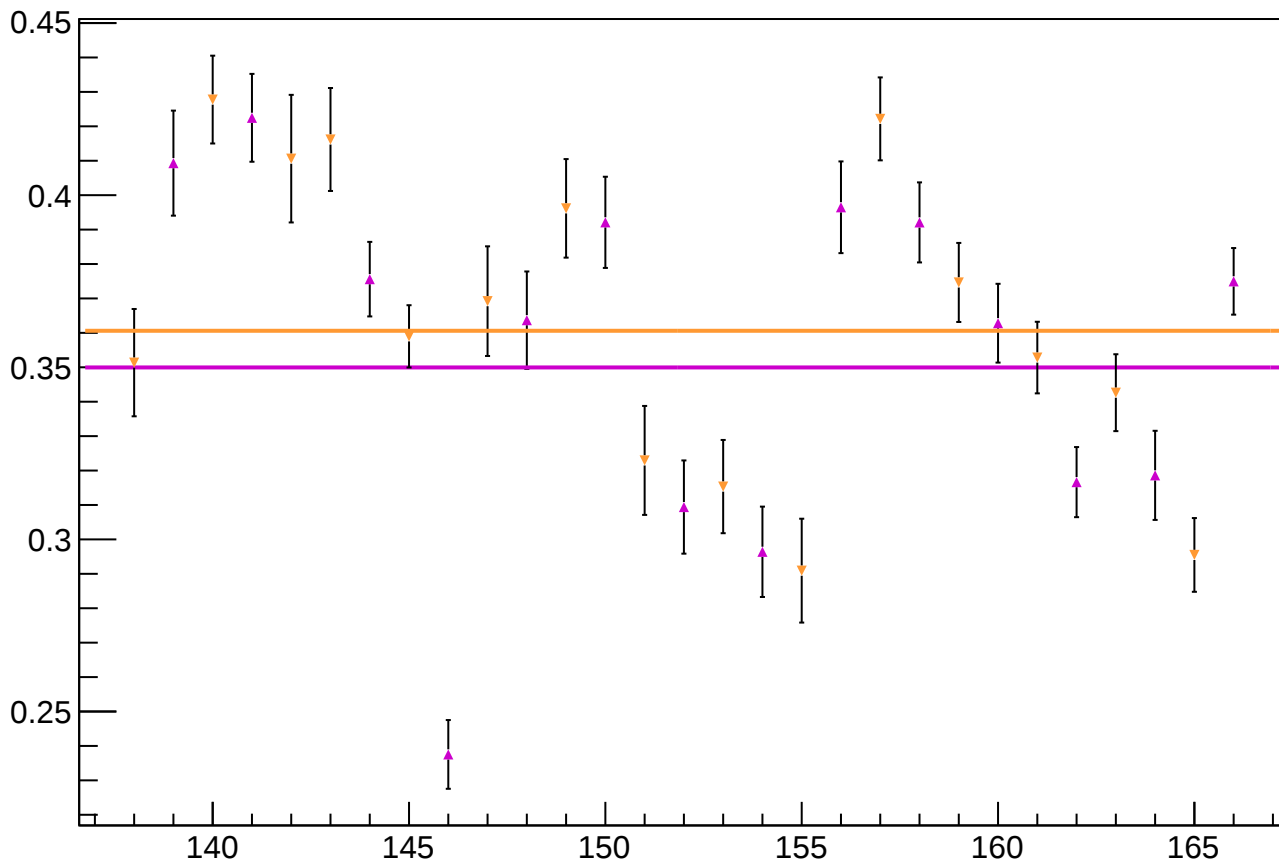
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.002+/-0.069 χ^2/NDF :3492.4/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.228+/-0.067 χ^2/NDF :4112.4/13

Left: 6.637+/-0.048 χ^2/NDF : 7767.8/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.228+/-0.067 χ^2/NDF :4112.4/13
 Out: 6.002+/-0.069 χ^2/NDF :3492.4/14
 All: 6.637+/-0.048 χ^2/NDF : 7767.8/28

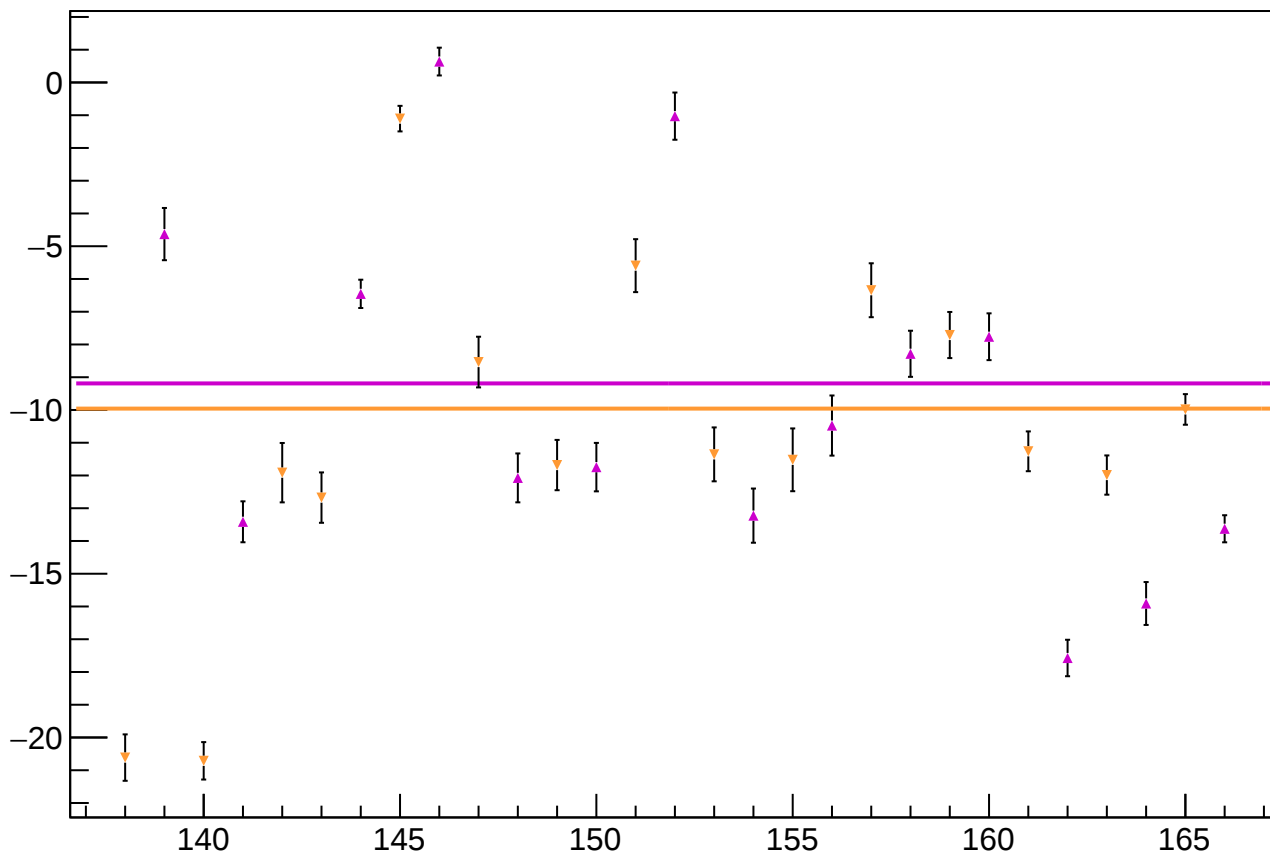
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.361 $\pm$ 0.003 χ^2 /NDF:161.5/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.350 $\pm$ 0.003 χ^2 /NDF:266.3/13

Left: 0.355 $\pm$ 0.002 χ^2 /NDF: 433.2/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.350 $\pm$ 0.003 χ^2 /NDF:266.3/13
 Out: 0.361 $\pm$ 0.003 χ^2 /NDF:161.5/14
 All: 0.355 $\pm$ 0.002 χ^2 /NDF: 433.2/28

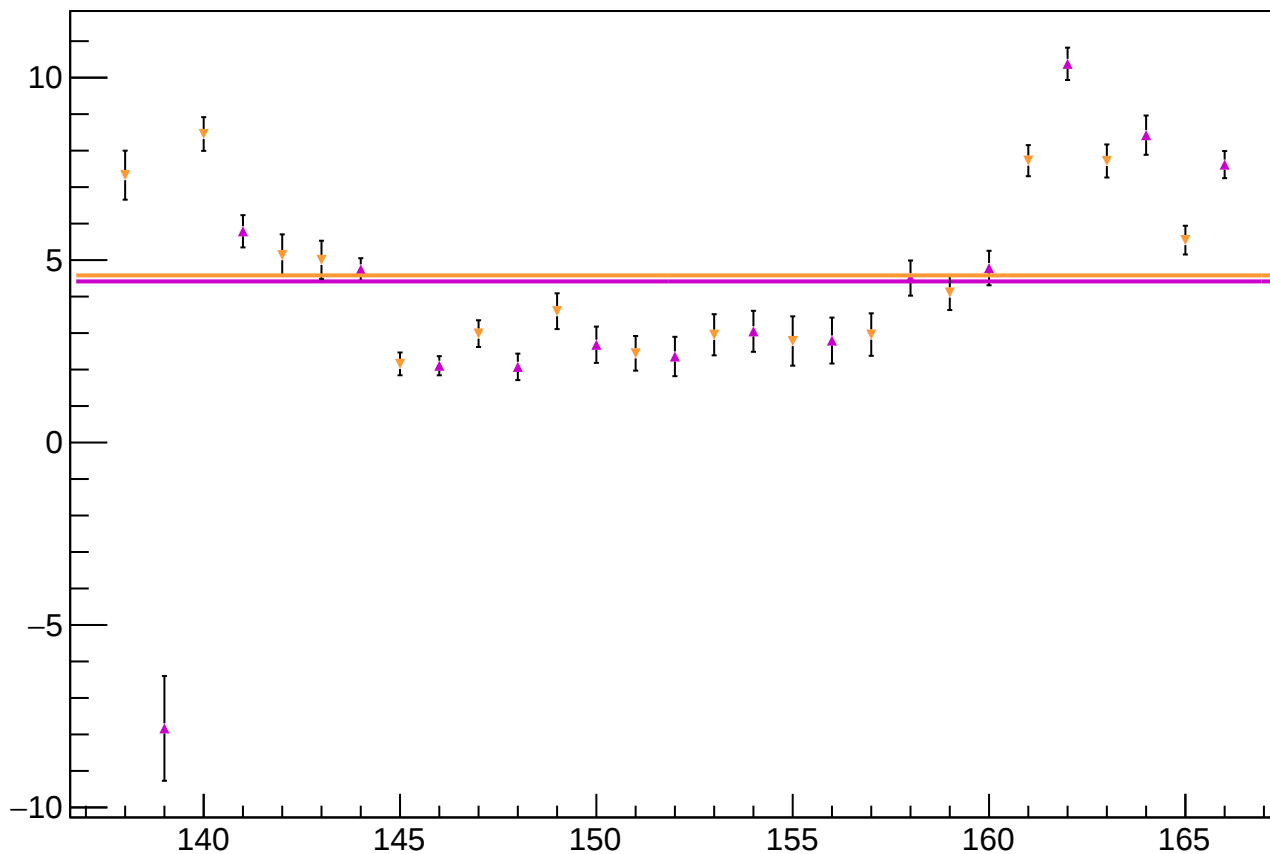
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.958+/-0.168 χ^2/NDF :1201.3/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -9.189+/-0.161 χ^2/NDF :1288.8/13

Left: -9.558+/-0.116 χ^2/NDF : 2501.0/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -9.189+/-0.161 χ^2/NDF :1288.8/13
 Out: -9.958+/-0.168 χ^2/NDF :1201.3/14
 All: -9.558+/-0.116 χ^2/NDF : 2501.0/28

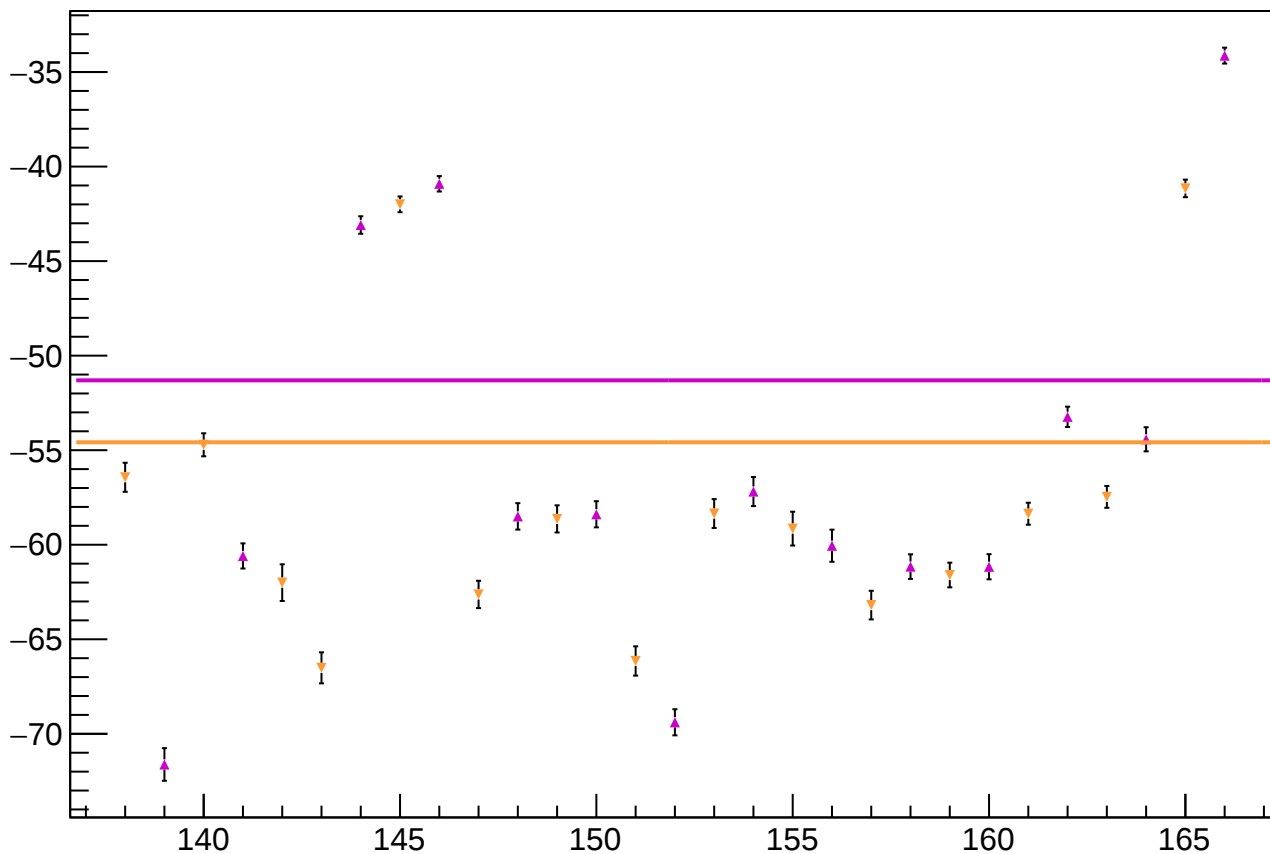
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.581+/-0.120 χ^2/NDF :324.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.416+/-0.115 χ^2/NDF :553.7/13

Left: 4.494+/-0.083 χ^2/NDF : 879.2/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.416+/-0.115 χ^2/NDF :553.7/13
 Out: 4.581+/-0.120 χ^2/NDF :324.6/14
 All: 4.494+/-0.083 χ^2/NDF : 879.2/28

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -54.582+/-0.167 χ^2/NDF :2768.7/14

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

Left In: -51.306+/-0.158 χ^2/NDF :4930.2/13

Left: -52.859+/-0.115 χ^2/NDF : 7901.4/28

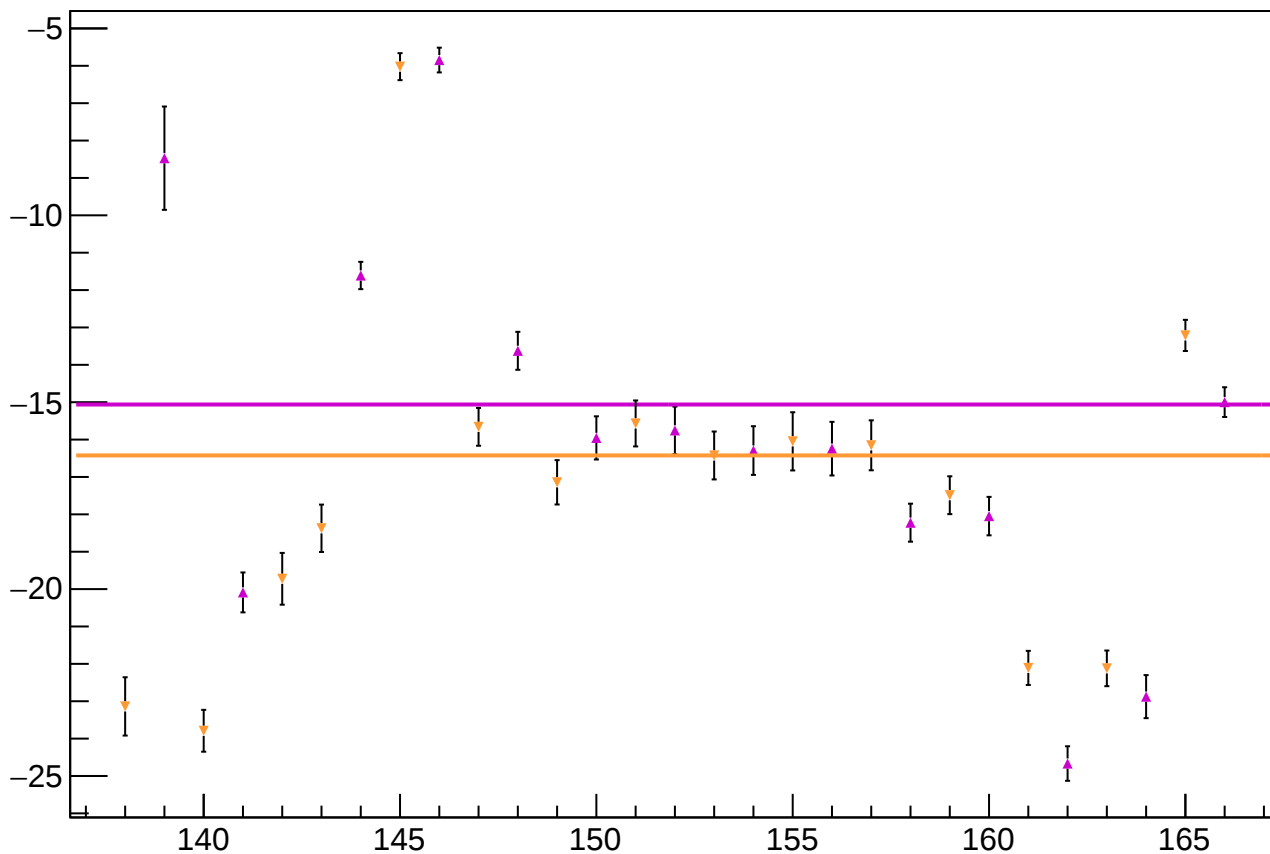
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -51.306+/-0.158 χ^2/NDF :4930.2/13

Out: -54.582+/-0.167 χ^2/NDF :2768.7/14

All: -52.859+/-0.115 χ^2/NDF : 7901.4/28

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -16.424+/-0.139 χ^2/NDF :1477.9/14

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

Left In: -15.062+/-0.134 χ^2/NDF :1682.3/13

Left: -15.716+/-0.096 χ^2/NDF : 3210.0/28

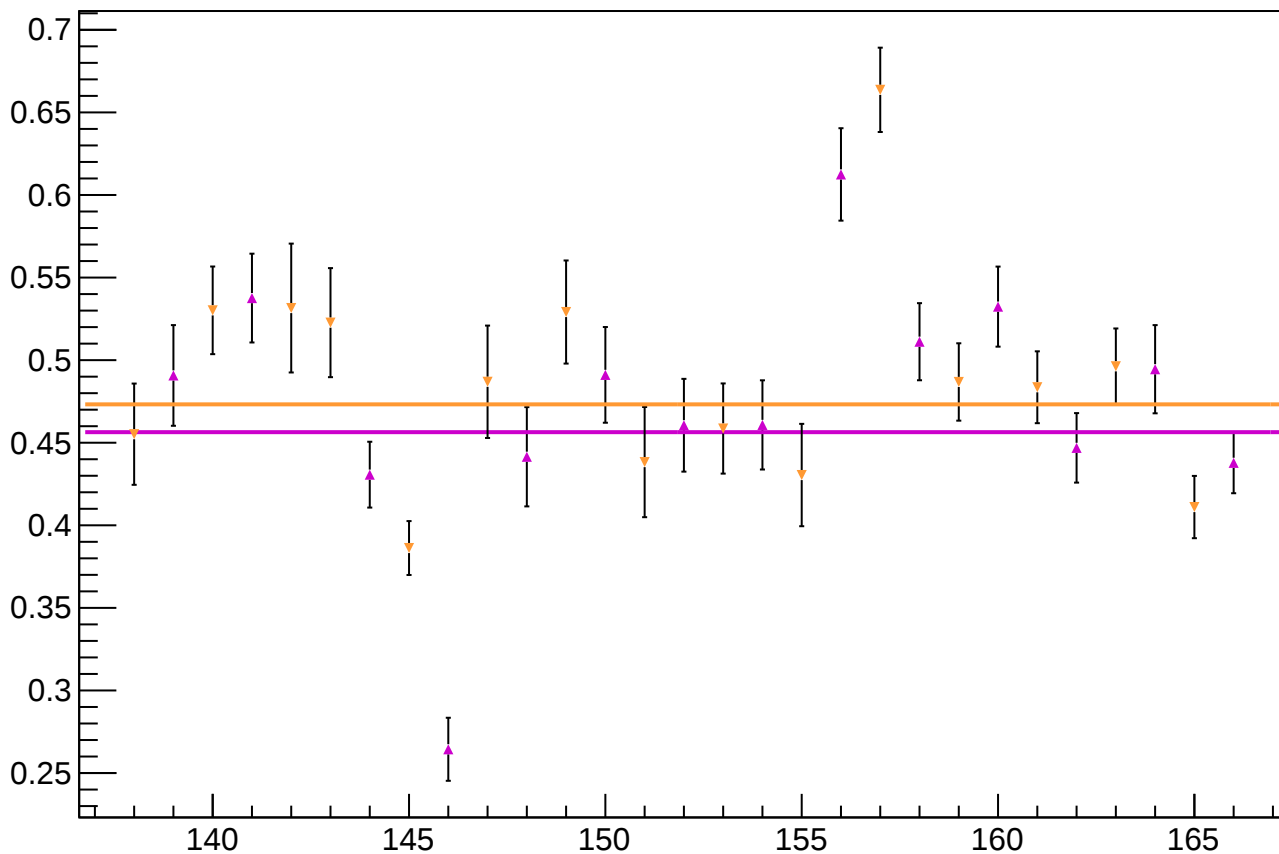
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.062+/-0.134 χ^2/NDF :1682.3/13

Out: -16.424+/-0.139 χ^2/NDF :1477.9/14

All: -15.716+/-0.096 χ^2/NDF : 3210.0/28

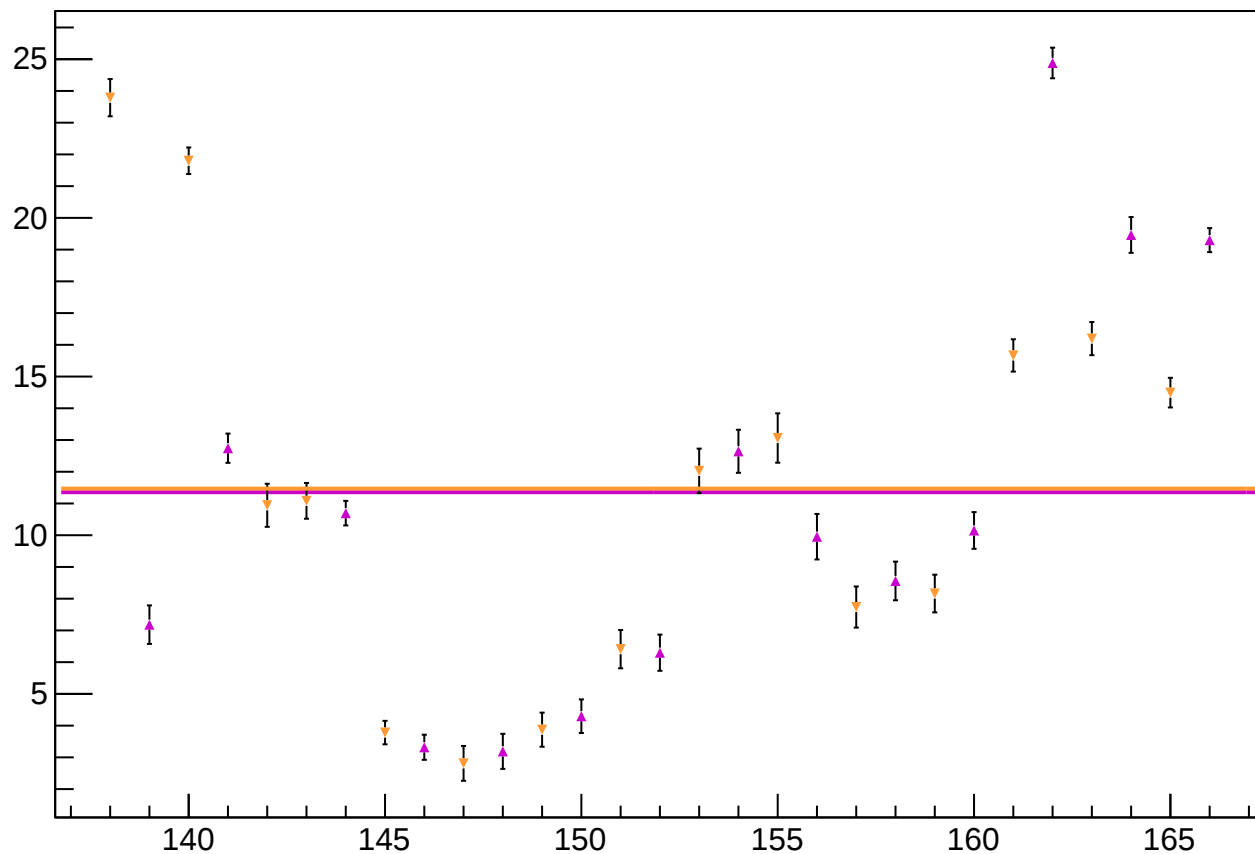
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.473 $\pm$ 0.007 χ^2 /NDF:112.6/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.456 $\pm$ 0.006 χ^2 /NDF:164.7/13

Left: 0.465 $\pm$ 0.005 χ^2 /NDF: 280.6/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.456 $\pm$ 0.006 χ^2 /NDF:164.7/13
 Out: 0.473 $\pm$ 0.007 χ^2 /NDF:112.6/14
 All: 0.465 $\pm$ 0.005 χ^2 /NDF: 280.6/28

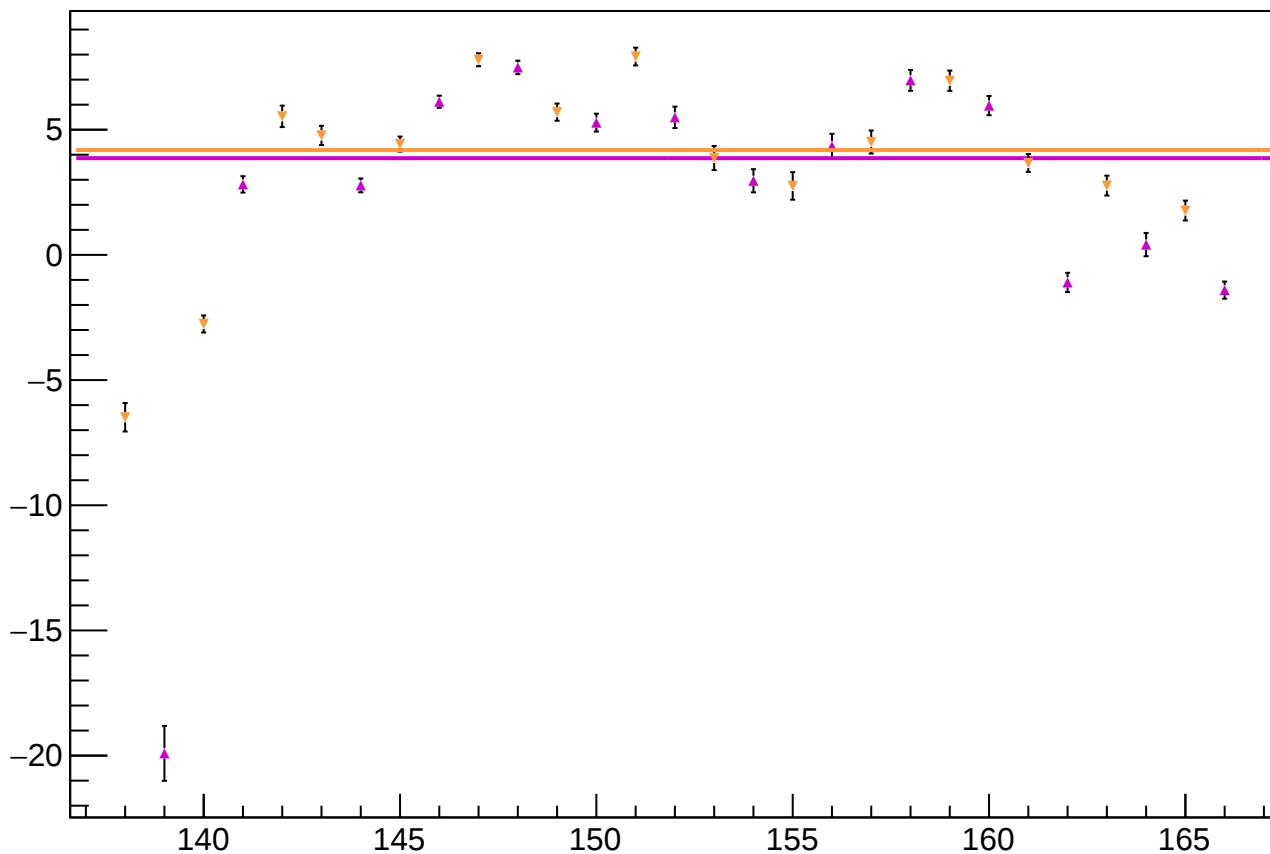
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 11.470+/-0.139 χ^2/NDF :2265.3/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 11.356+/-0.135 χ^2/NDF :2412.6/13

Left: 11.411+/-0.097 χ^2/NDF : 4678.2/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 11.356+/-0.135 χ^2/NDF :2412.6/13
 Out: 11.470+/-0.139 χ^2/NDF :2265.3/14
 All: 11.411+/-0.097 χ^2/NDF : 4678.2/28

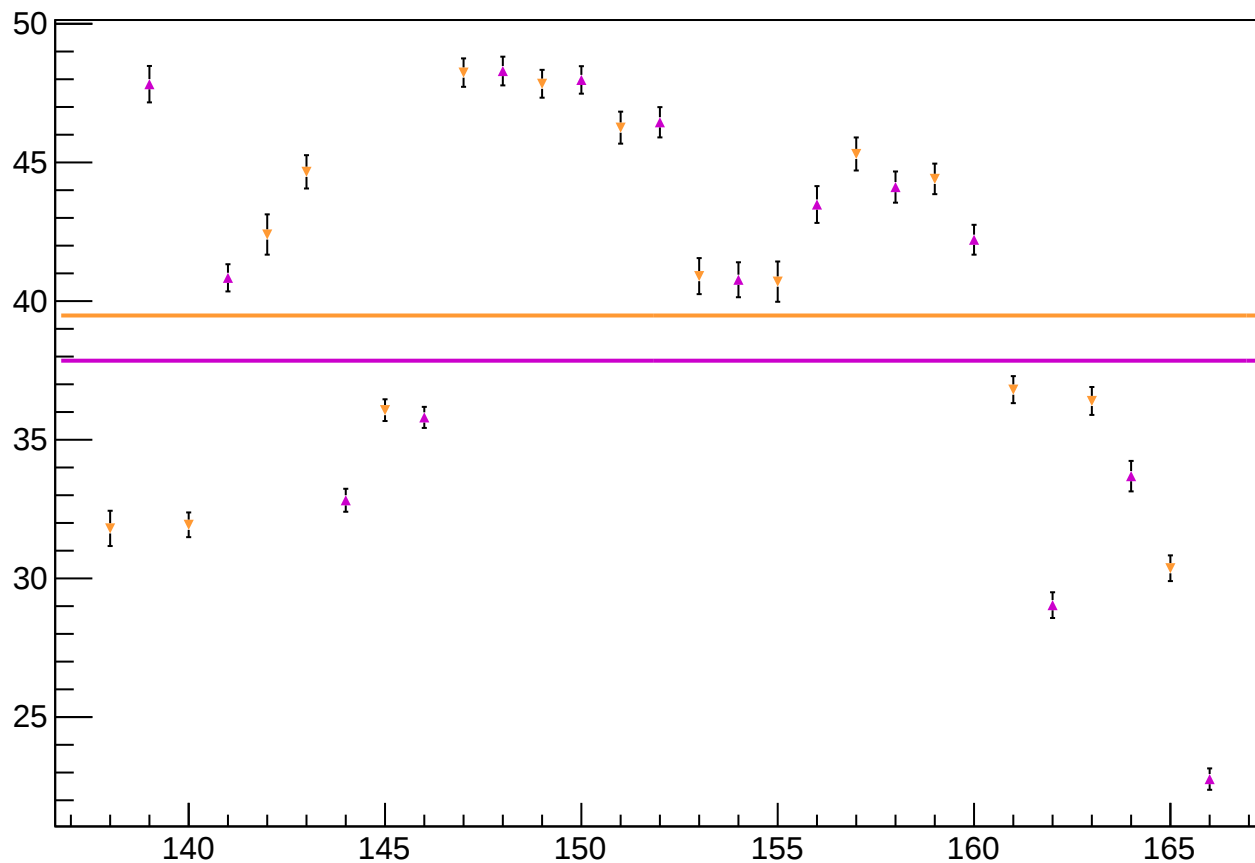
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 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: 3.864 $\pm$ 0.096 χ^2/NDF :1343.5/13

Left: 4.023 $\pm$ 0.068 χ^2/NDF : 2559.8/28
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 3.864 $\pm$ 0.096 χ^2/NDF :1343.5/13
 Out: 4.188 $\pm$ 0.098 χ^2/NDF :1210.7/14
 All: 4.023 $\pm$ 0.068 χ^2/NDF : 2559.8/28

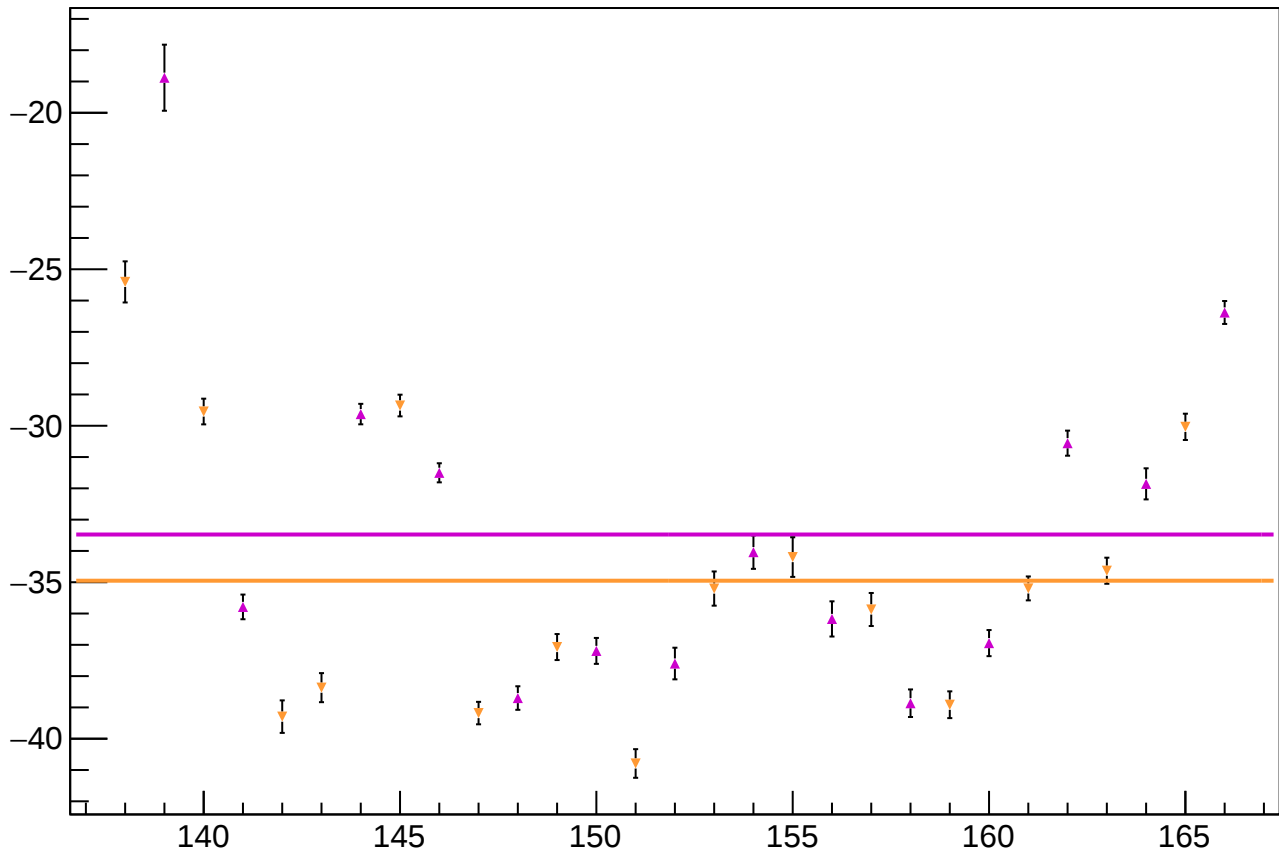
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 39.481+/-0.138 χ^2/NDF :1942.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 37.852+/-0.133 χ^2/NDF :3746.2/13

Left: 38.638+/-0.096 χ^2/NDF : 5761.2/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 37.852+/-0.133 χ^2/NDF :3746.2/13
 Out: 39.481+/-0.138 χ^2/NDF :1942.6/14
 All: 38.638+/-0.096 χ^2/NDF : 5761.2/28

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -34.951+/-0.114 χ^2/NDF :1326.0/14

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

Left In: -33.475+/-0.112 χ^2/NDF :1426.9/13

Left: -34.199+/-0.080 χ^2/NDF : 2837.7/28

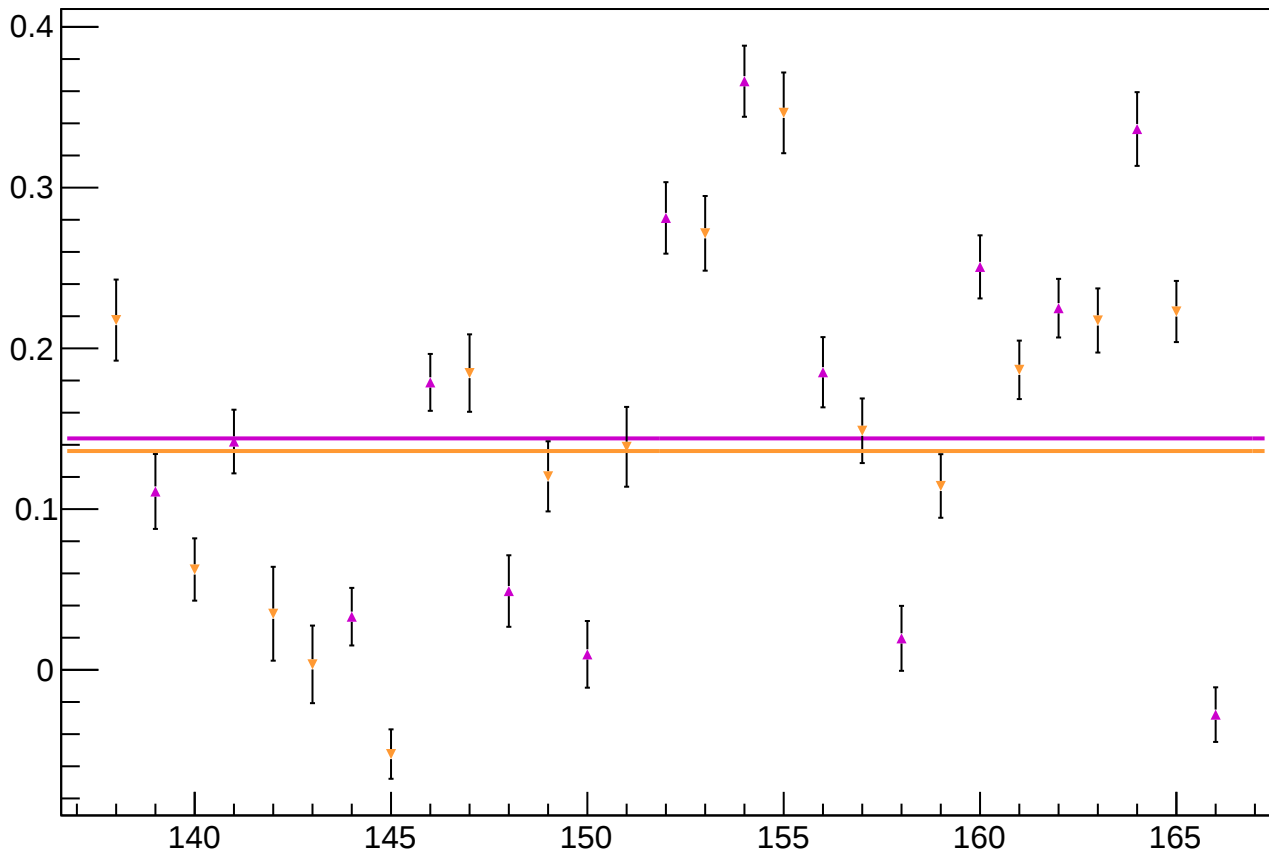
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -33.475+/-0.112 χ^2/NDF :1426.9/13

Out: -34.951+/-0.114 χ^2/NDF :1326.0/14

All: -34.199+/-0.080 χ^2/NDF : 2837.7/28

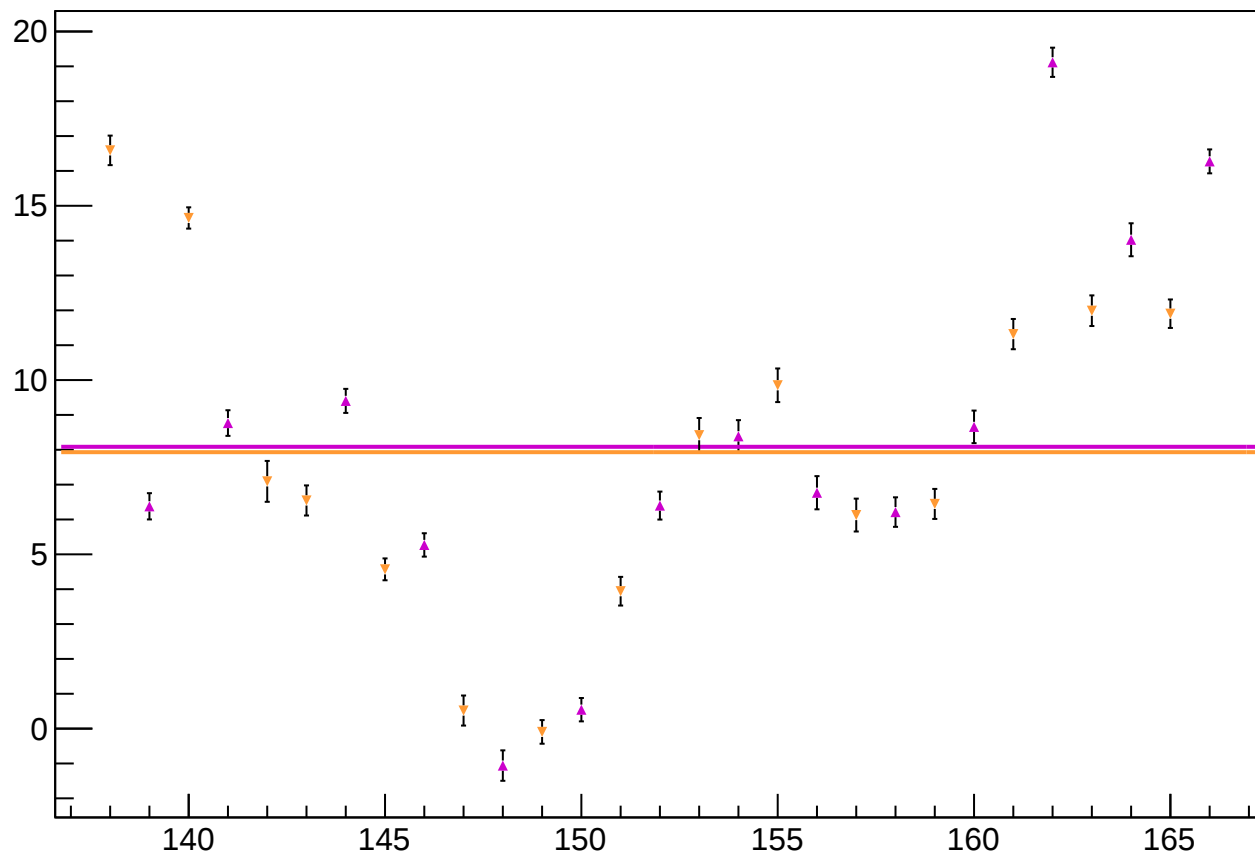
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.136 $\pm$ 0.005 χ^2 /NDF:372.9/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.144 $\pm$ 0.005 χ^2 /NDF:506.8/13

Left: 0.140 $\pm$ 0.004 χ^2 /NDF: 880.7/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.144 $\pm$ 0.005 χ^2 /NDF:506.8/13
 Out: 0.136 $\pm$ 0.005 χ^2 /NDF:372.9/14
 All: 0.140 $\pm$ 0.004 χ^2 /NDF: 880.7/28

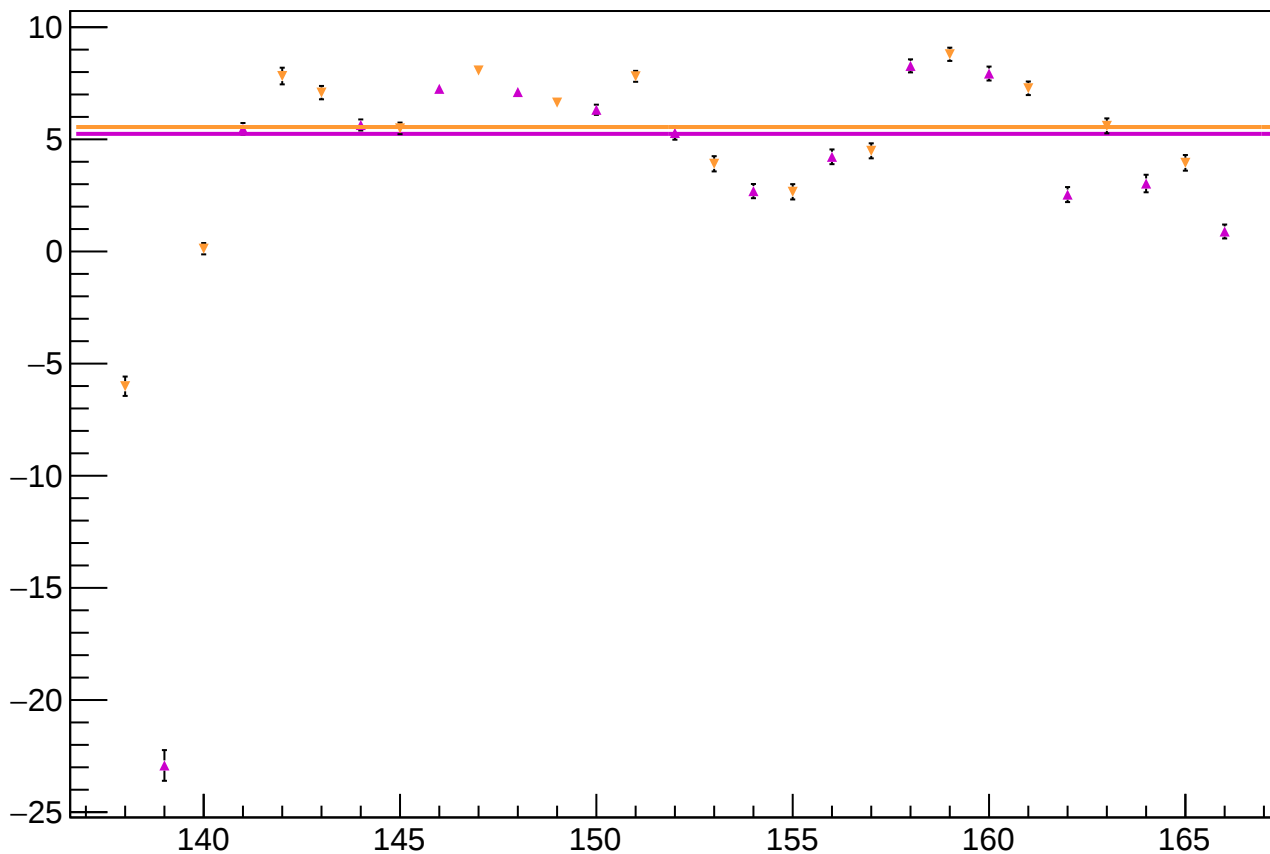
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 8.086+/-0.105 χ^2/NDF :2519.8/13

Left: 8.008+/-0.075 χ^2/NDF : 4784.0/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.086+/-0.105 χ^2/NDF :2519.8/13
 Out: 7.931+/-0.106 χ^2/NDF :2263.1/14
 All: 8.008+/-0.075 χ^2/NDF : 4784.0/28

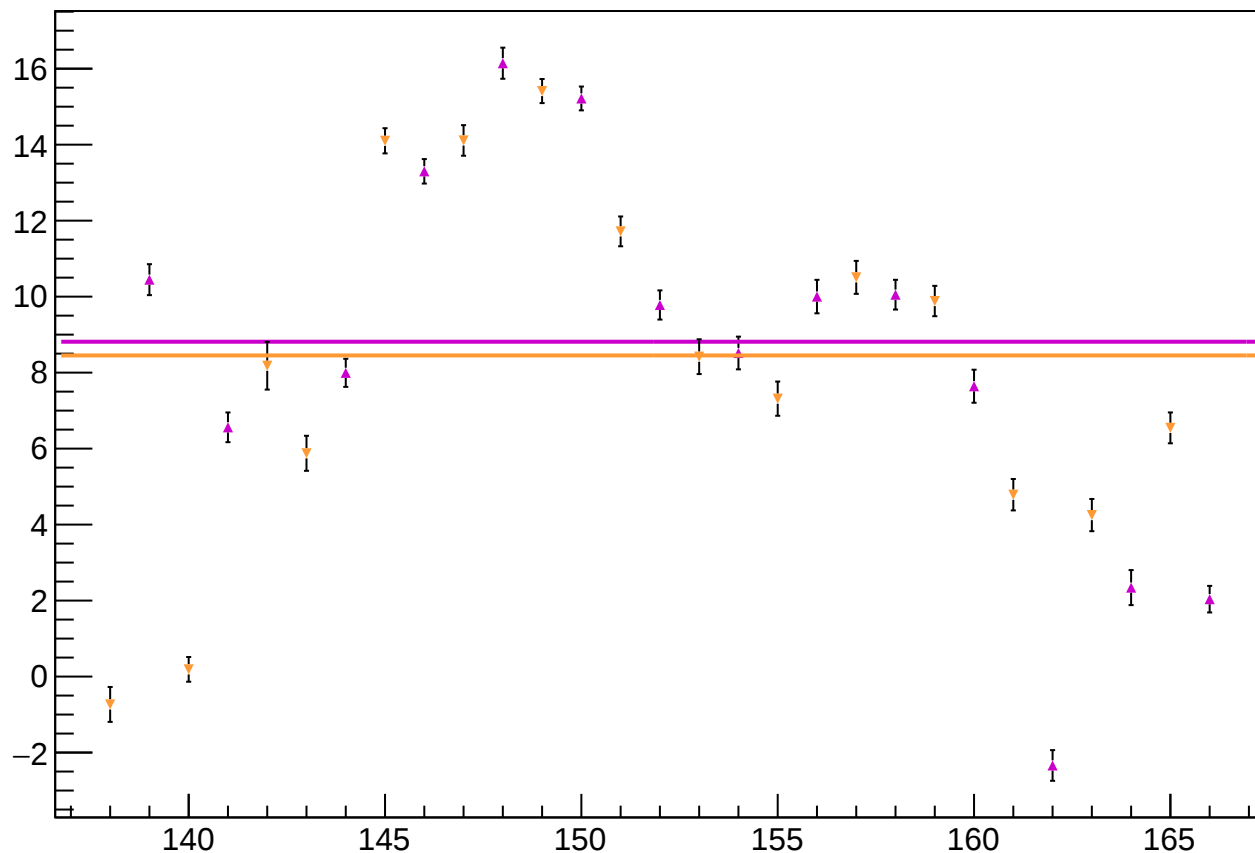
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 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: 5.244 $\pm$ 0.076 χ^2 /NDF:2433.2/13

Left: 5.400 $\pm$ 0.053 χ^2 /NDF: 4220.9/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.244 $\pm$ 0.076 χ^2 /NDF:2433.2/13
 Out: 5.549 $\pm$ 0.074 χ^2 /NDF:1779.4/14
 All: 5.400 $\pm$ 0.053 χ^2 /NDF: 4220.9/28

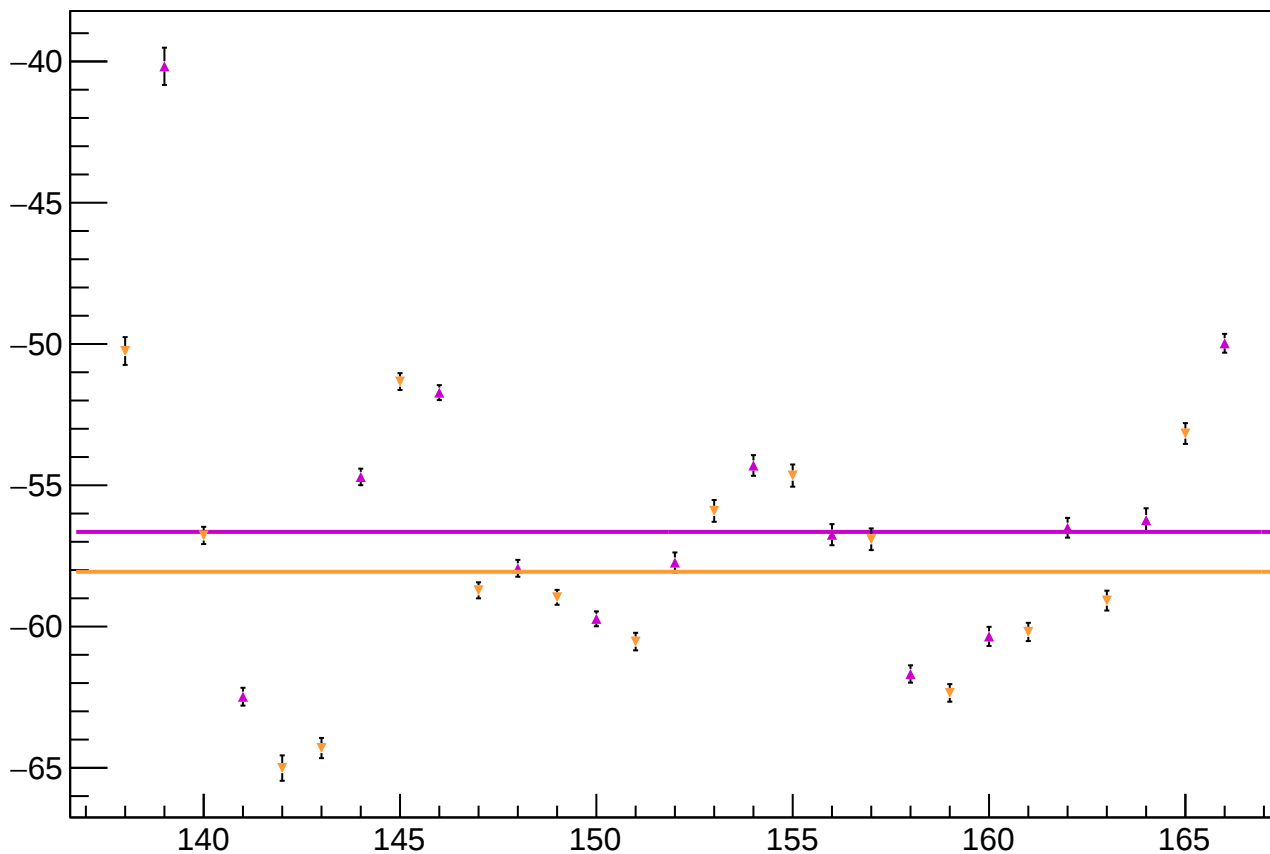
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.452+/-0.104 χ^2/NDF :2355.4/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.813+/-0.103 χ^2/NDF :2353.2/13

Left: 8.635+/-0.073 χ^2/NDF : 4714.6/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.813+/-0.103 χ^2/NDF :2353.2/13
 Out: 8.452+/-0.104 χ^2/NDF :2355.4/14
 All: 8.635+/-0.073 χ^2/NDF : 4714.6/28

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -58.061+/-0.087 χ^2/NDF :1940.0/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -56.650+/-0.088 χ^2/NDF :2352.9/13

Left: -57.363+/-0.062 χ^2/NDF : 4422.3/28

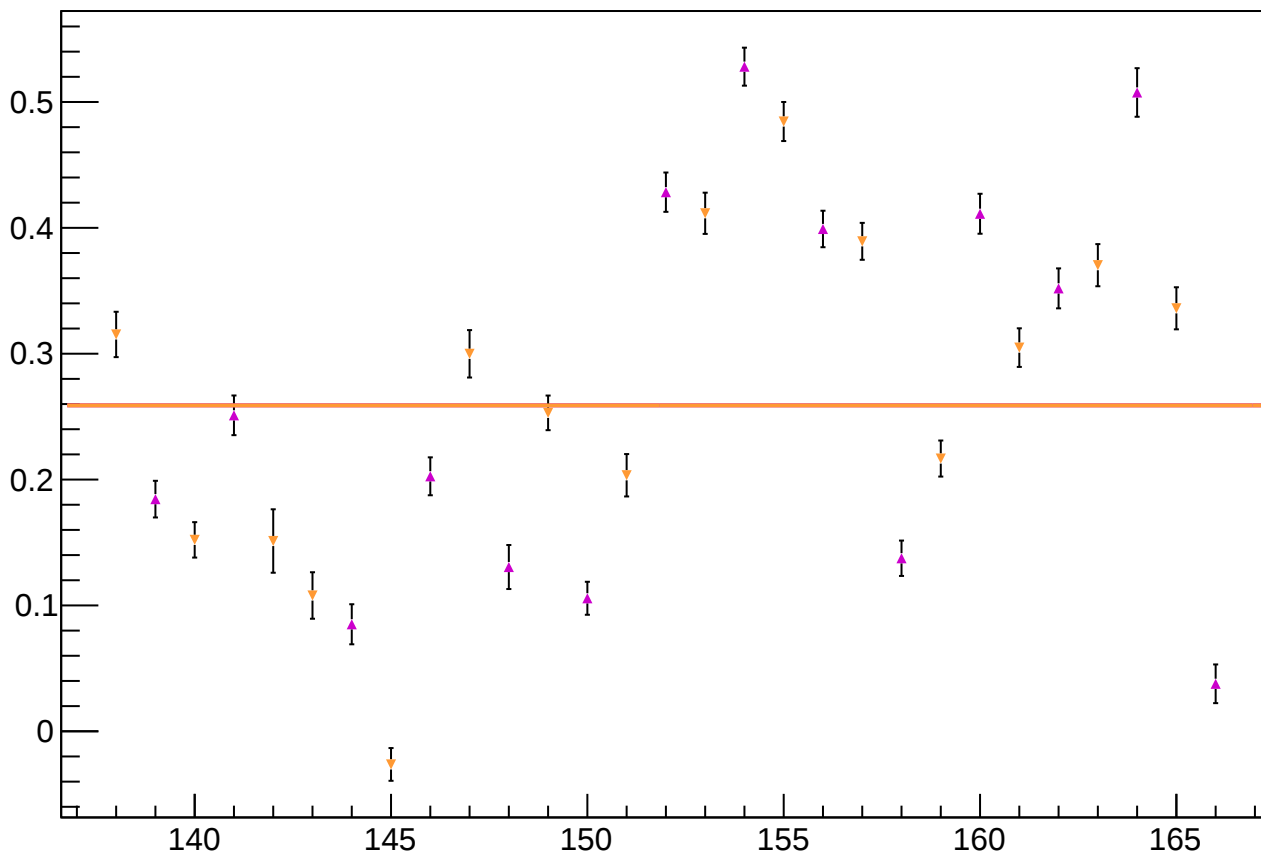
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -56.650+/-0.088 χ^2/NDF :2352.9/13

Out: -58.061+/-0.087 χ^2/NDF :1940.0/14

All: -57.363+/-0.062 χ^2/NDF : 4422.3/28

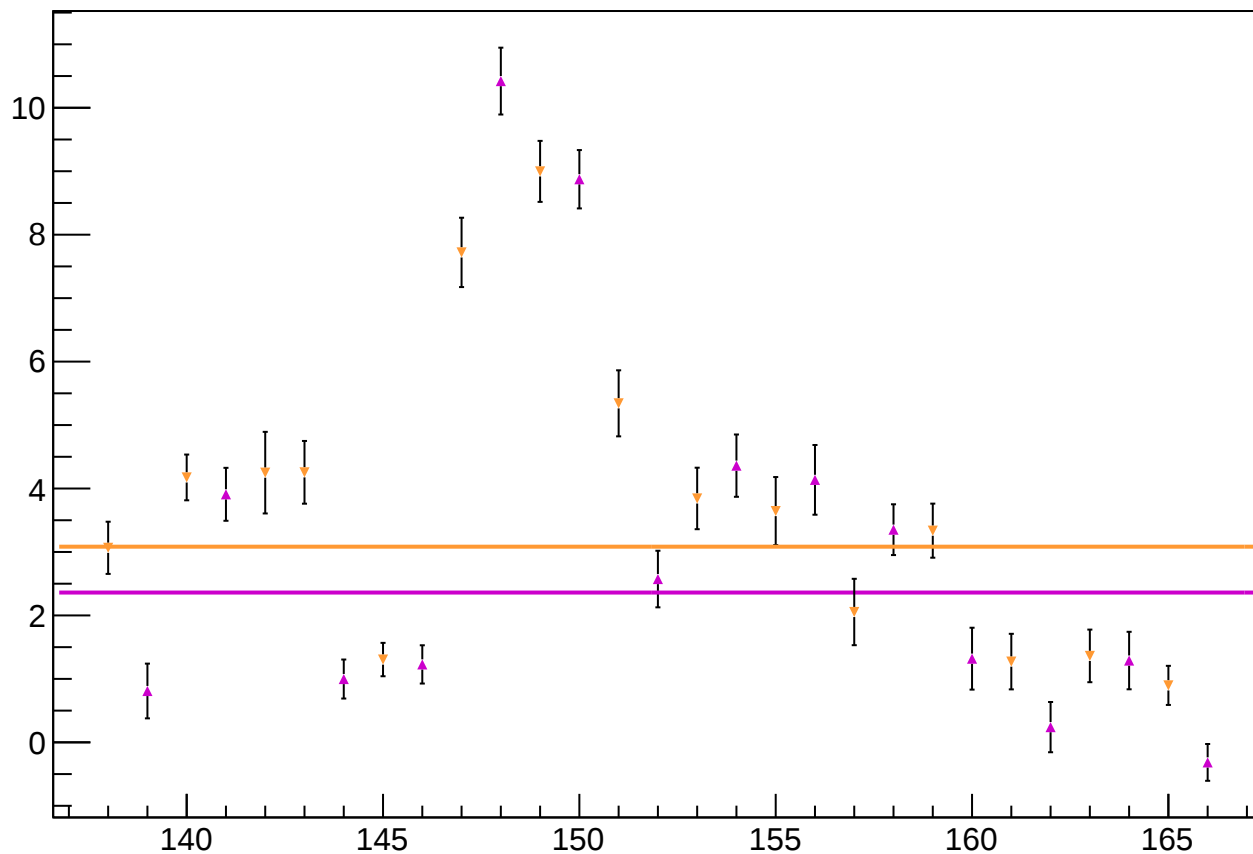
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.259 $\pm$ 0.004 χ^2 /NDF:1109.4/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.259 $\pm$ 0.004 χ^2 /NDF:1453.5/13

Left: 0.259 $\pm$ 0.003 χ^2 /NDF: 2562.8/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.259 $\pm$ 0.004 χ^2 /NDF:1453.5/13
 Out: 0.259 $\pm$ 0.004 χ^2 /NDF:1109.4/14
 All: 0.259 $\pm$ 0.003 χ^2 /NDF: 2562.8/28

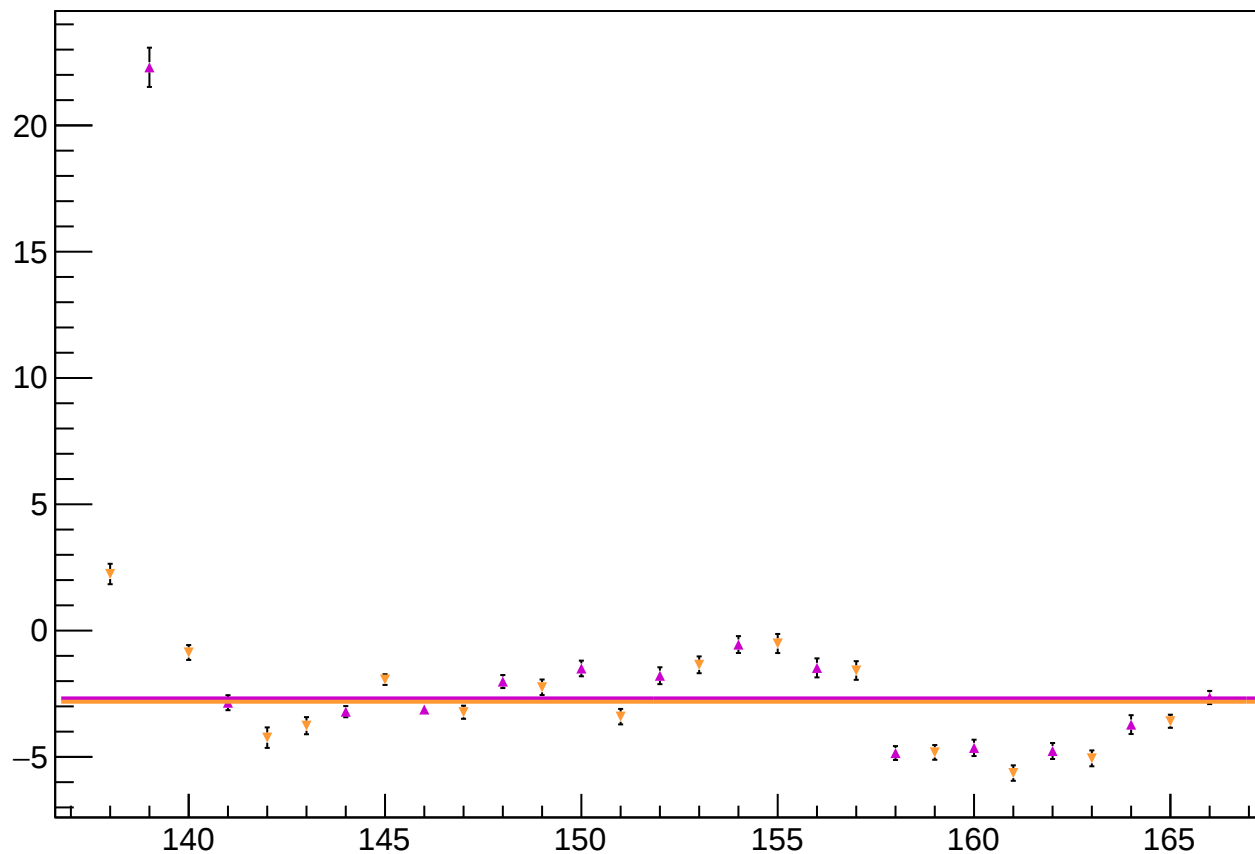
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.083+/-0.109 χ^2/NDF :398.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.361+/-0.107 χ^2/NDF :652.7/13

Left: 2.716+/-0.076 χ^2/NDF : 1073.7/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.361+/-0.107 χ^2/NDF :652.7/13
 Out: 3.083+/-0.109 χ^2/NDF :398.6/14
 All: 2.716+/-0.076 χ^2/NDF : 1073.7/28

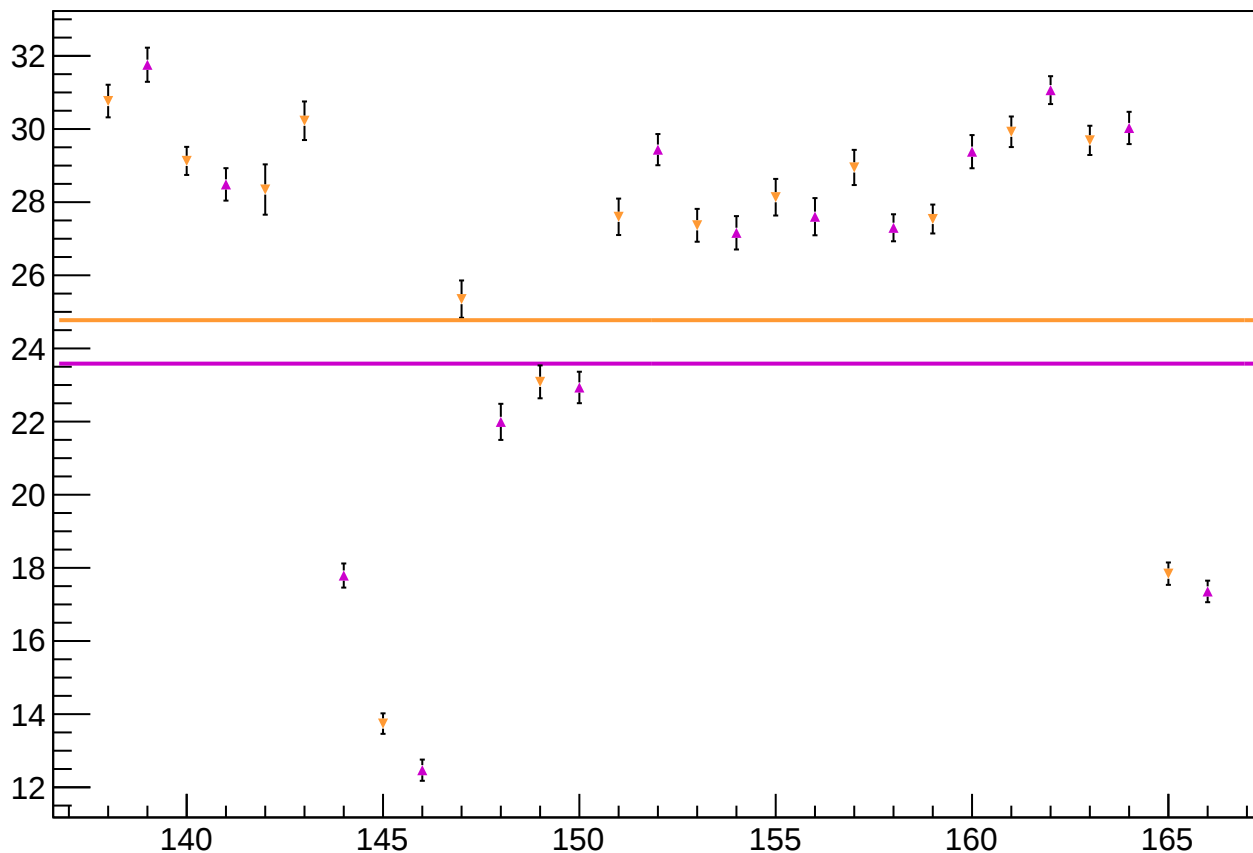
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.816+/-0.079 χ^2/NDF :507.3/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.685+/-0.078 χ^2/NDF :1274.0/13

Left: -2.749+/-0.055 χ^2/NDF : 1782.7/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.685+/-0.078 χ^2/NDF :1274.0/13
 Out: -2.816+/-0.079 χ^2/NDF :507.3/14
 All: -2.749+/-0.055 χ^2/NDF : 1782.7/28

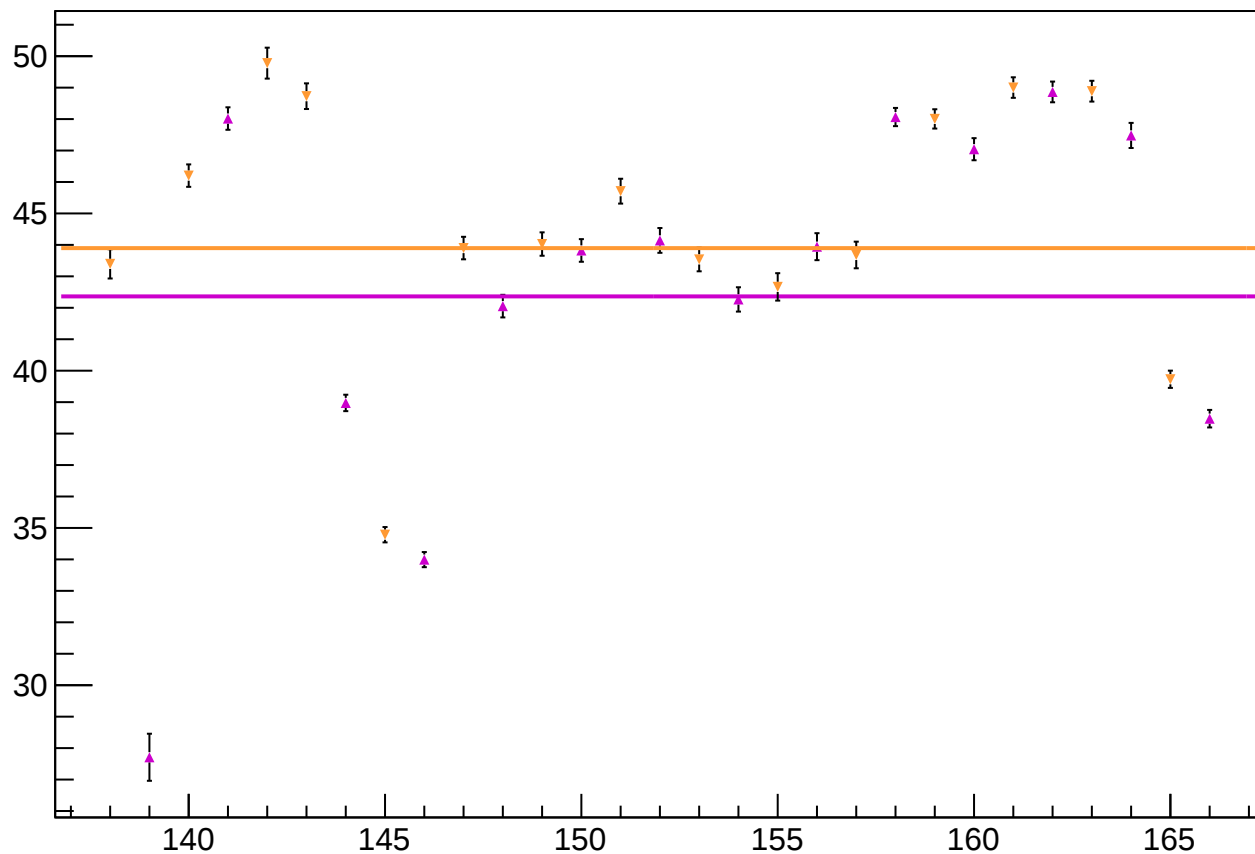
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 24.773+/-0.108 χ^2/NDF :3057.7/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 23.585+/-0.105 χ^2/NDF :3841.1/13

Left: 24.163+/-0.075 χ^2/NDF : 6960.7/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 23.585+/-0.105 χ^2/NDF :3841.1/13
 Out: 24.773+/-0.108 χ^2/NDF :3057.7/14
 All: 24.163+/-0.075 χ^2/NDF : 6960.7/28

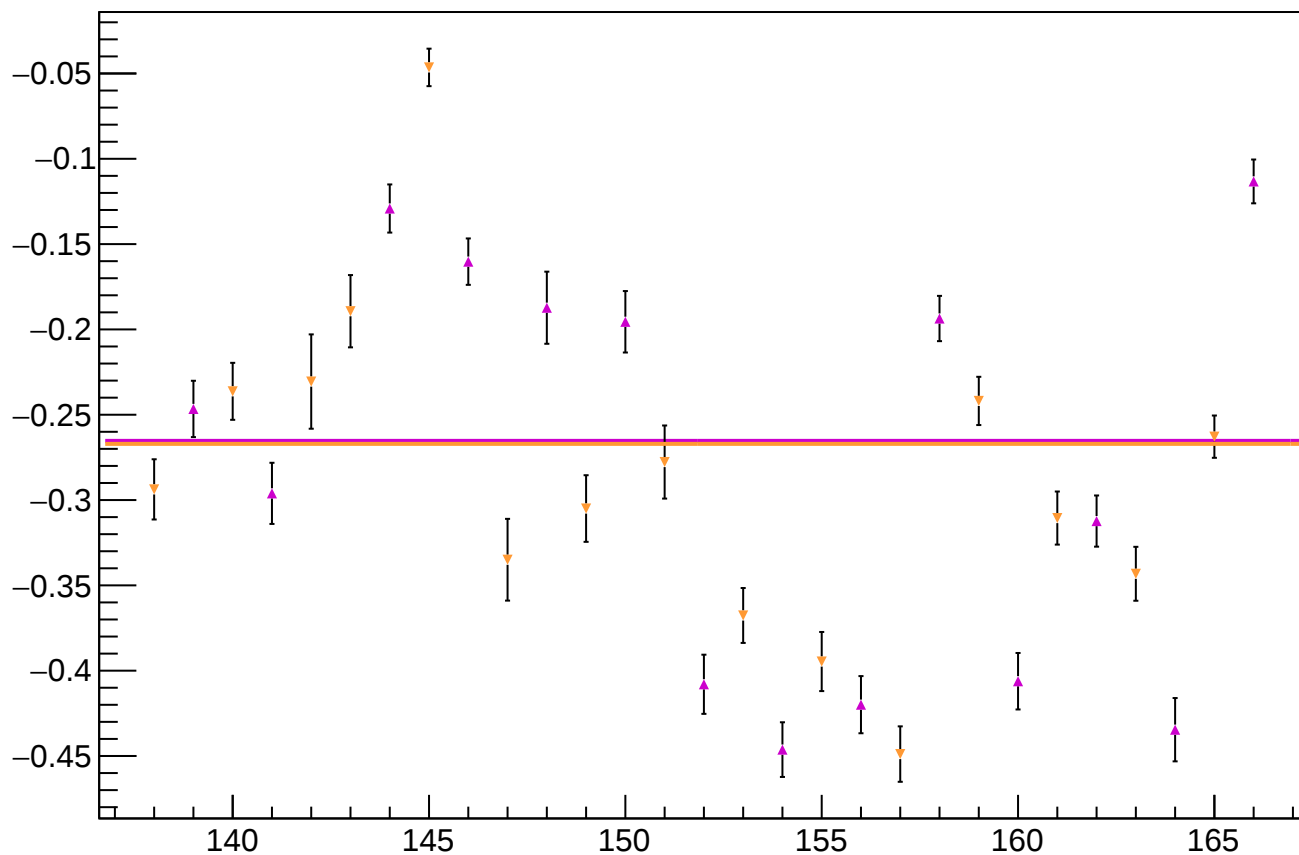
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 43.897+/-0.091 χ^2/NDF :2633.9/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 42.362+/-0.090 χ^2/NDF :3377.8/13

Left: 43.121+/-0.064 χ^2/NDF : 6156.1/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 42.362+/-0.090 χ^2/NDF :3377.8/13
 Out: 43.897+/-0.091 χ^2/NDF :2633.9/14
 All: 43.121+/-0.064 χ^2/NDF : 6156.1/28

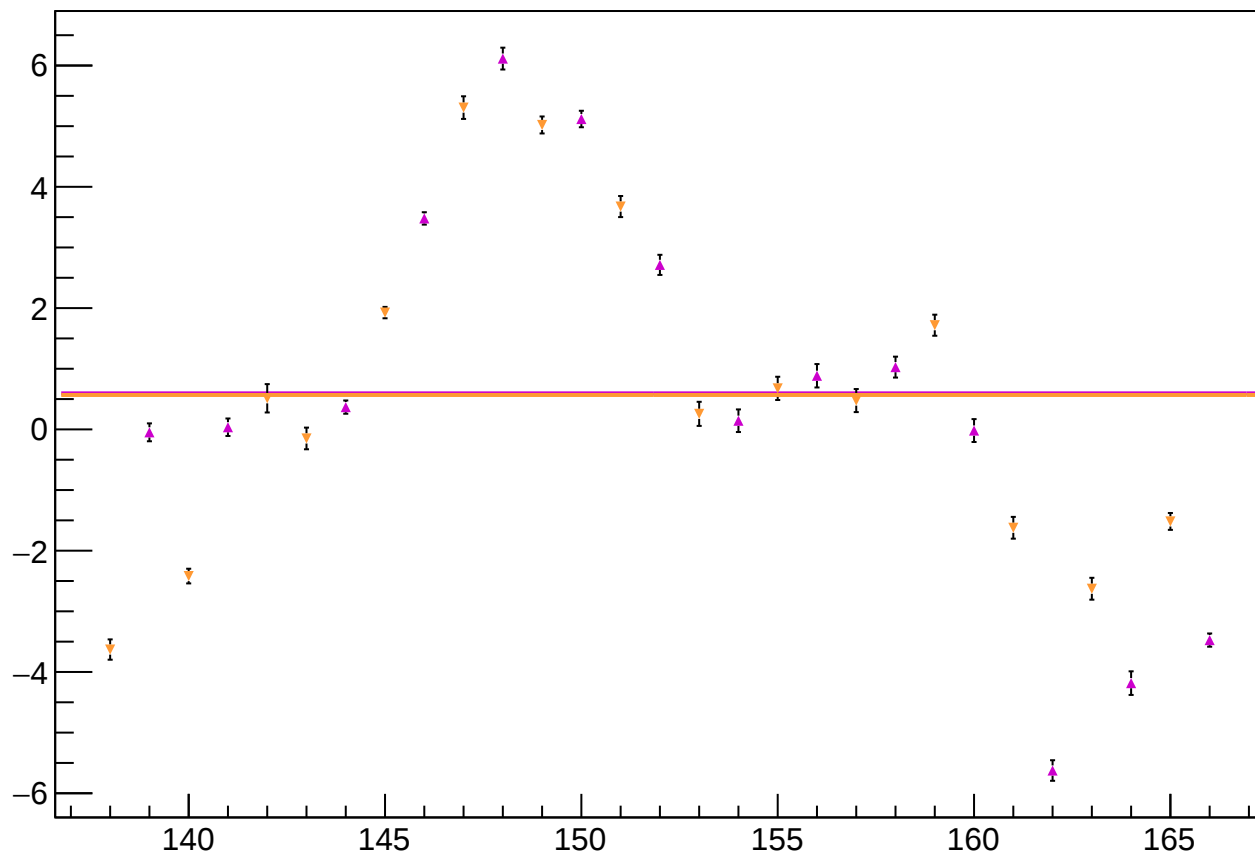
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.267+/-0.004 χ^2/NDF : 689.2/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.265+/-0.004 χ^2/NDF : 801.2/13

Left: -0.266+/-0.003 χ^2/NDF : 1490.5/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.265+/-0.004 χ^2/NDF : 801.2/13
 Out: -0.267+/-0.004 χ^2/NDF : 689.2/14
 All: -0.266+/-0.003 χ^2/NDF : 1490.5/28

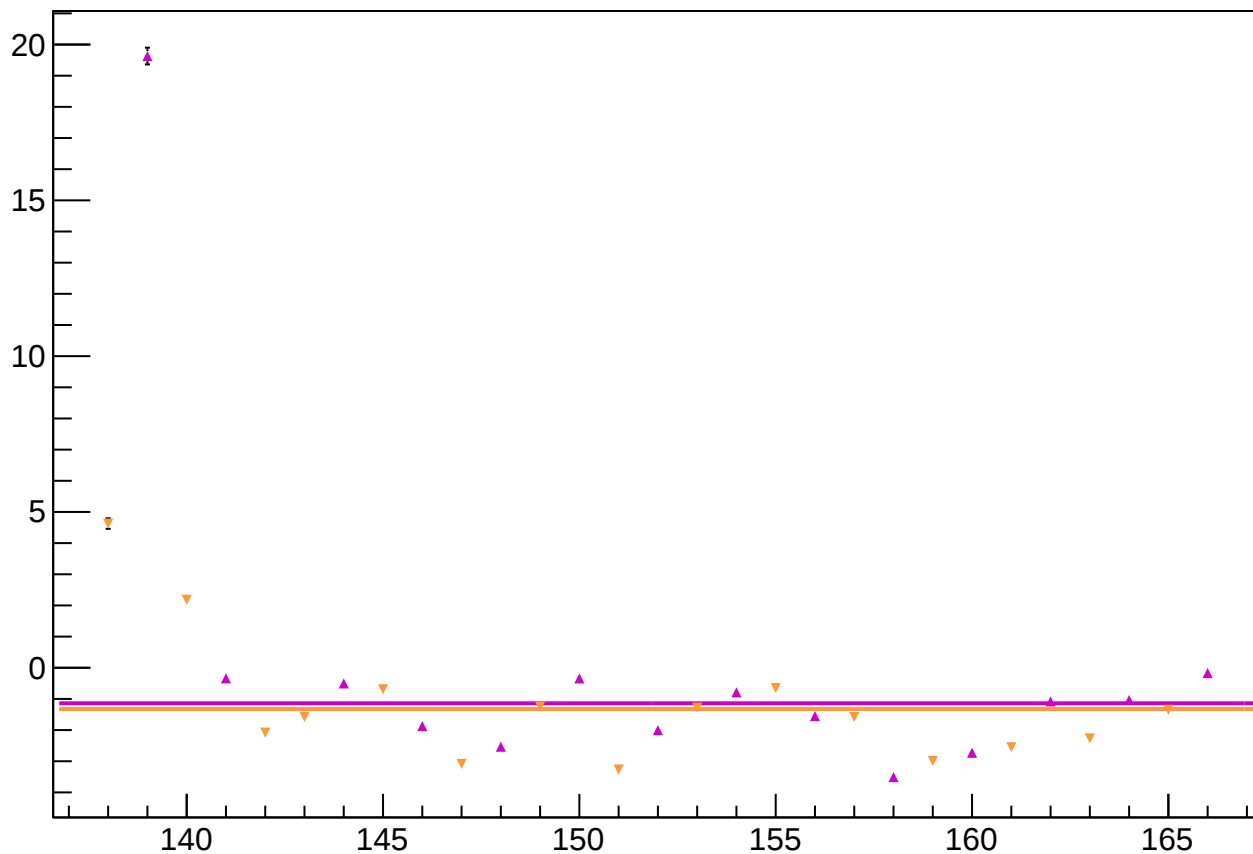
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.568+/-0.041 χ^2/NDF :4171.8/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.594+/-0.039 χ^2/NDF :6411.4/13

Left: 0.581+/-0.028 χ^2/NDF : 10583.4/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.594+/-0.039 χ^2/NDF :6411.4/13
 Out: 0.568+/-0.041 χ^2/NDF :4171.8/14
 All: 0.581+/-0.028 χ^2/NDF : 10583.4/28

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



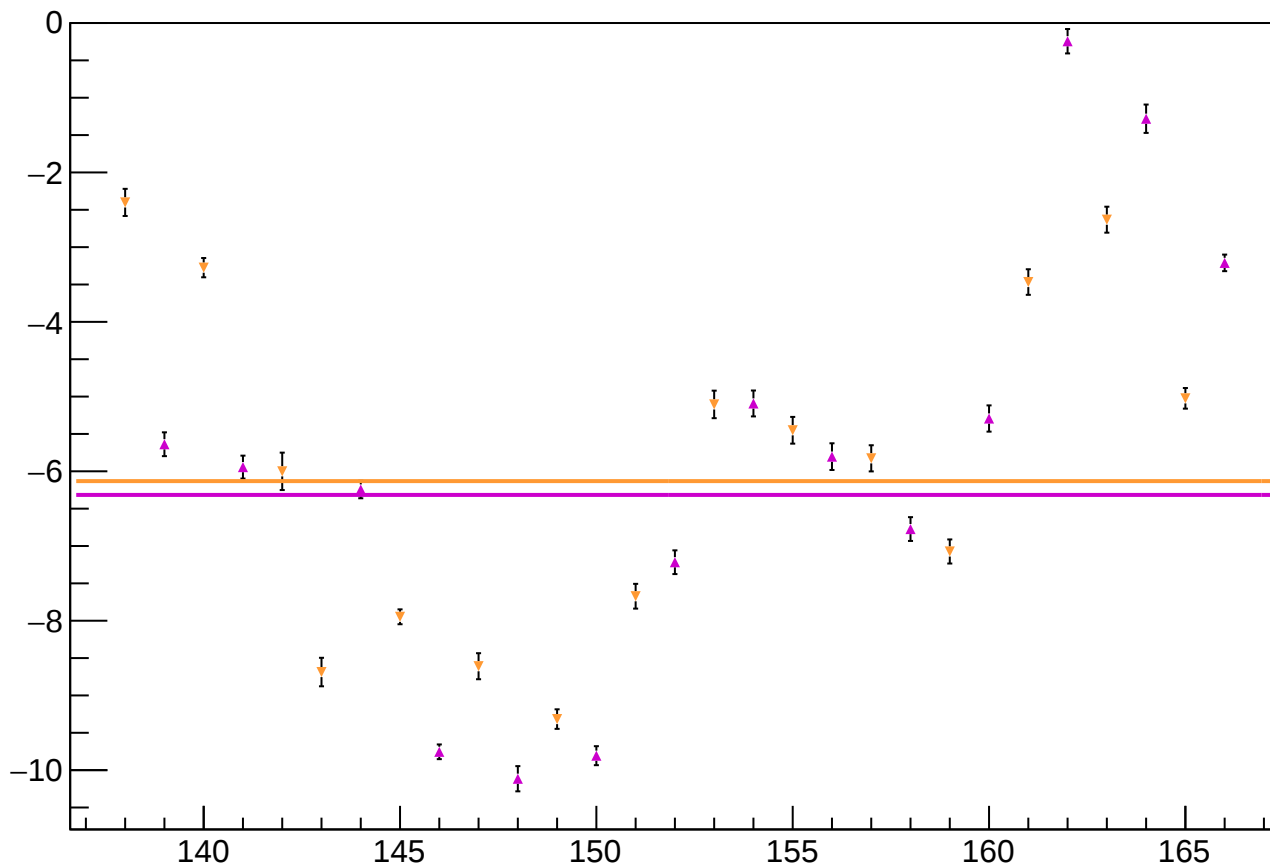
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -1.326 ± 0.029 $\chi^2/\text{NDF}: 3674.3/14$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -1.141 ± 0.028 $\chi^2/\text{NDF}: 7251.4/13$

Left: -1.231 ± 0.020 $\chi^2/\text{NDF}: 10946.6/28$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -1.141 ± 0.028 $\chi^2/\text{NDF}: 7251.4/13$
 Out: -1.326 ± 0.029 $\chi^2/\text{NDF}: 3674.3/14$

All: -1.231 ± 0.020 $\chi^2/\text{NDF}: 10946.6/28$

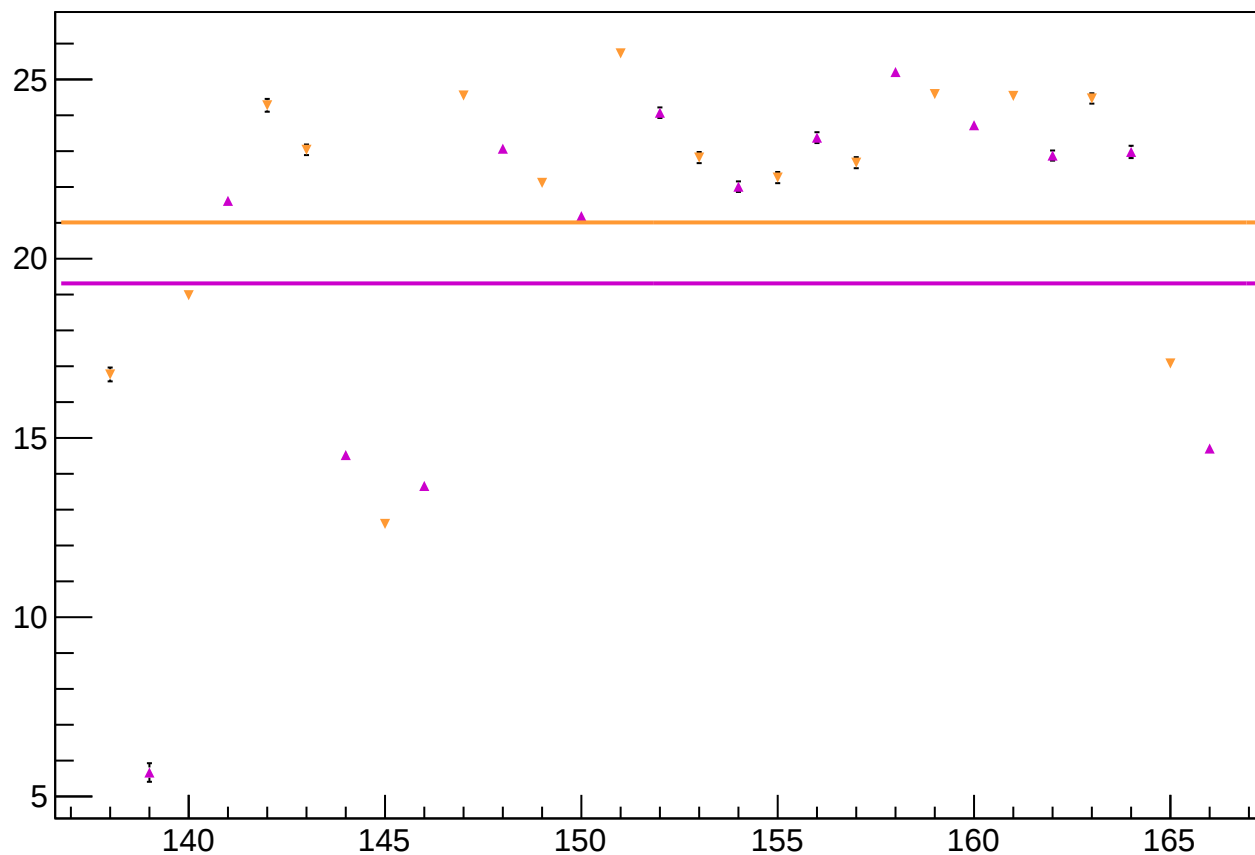
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -6.316 ± 0.038 χ^2/NDF : 5506.9/13

Left: -6.228 ± 0.028 χ^2/NDF : 8616.9/28
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -6.316 ± 0.038 χ^2/NDF : 5506.9/13
 Out: -6.131 ± 0.040 χ^2/NDF : 3099.1/14
 All: -6.228 ± 0.028 χ^2/NDF : 8616.9/28

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 21.012 $\pm$ 0.034 χ^2 /NDF:15986.0/14

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

Left In: 19.311 $\pm$ 0.033 χ^2 /NDF:20077.0/13

Left: 20.134 $\pm$ 0.024 χ^2 /NDF: 37355.7/28

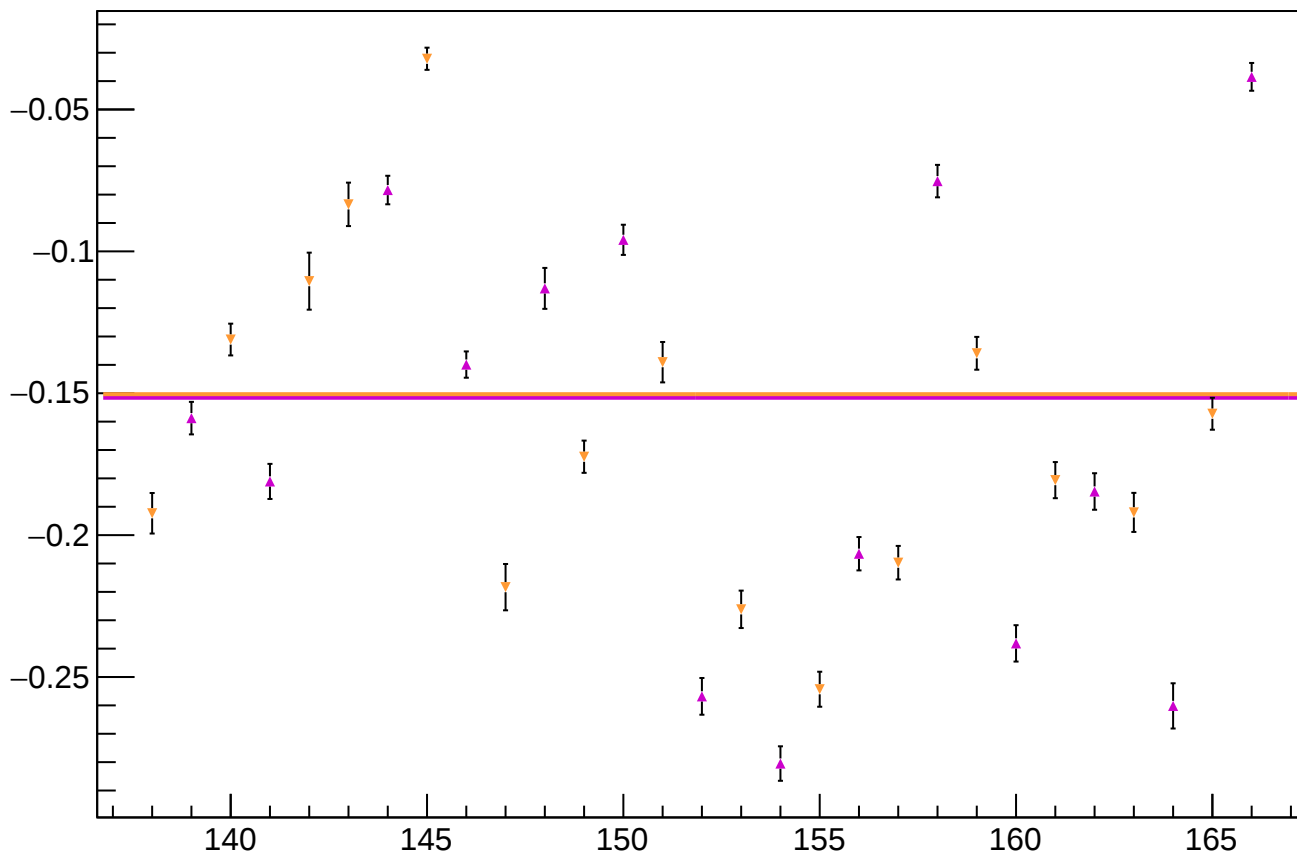
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 19.311 $\pm$ 0.033 χ^2 /NDF:20077.0/13

Out: 21.012 $\pm$ 0.034 χ^2 /NDF:15986.0/14

All: 20.134 $\pm$ 0.024 χ^2 /NDF: 37355.7/28

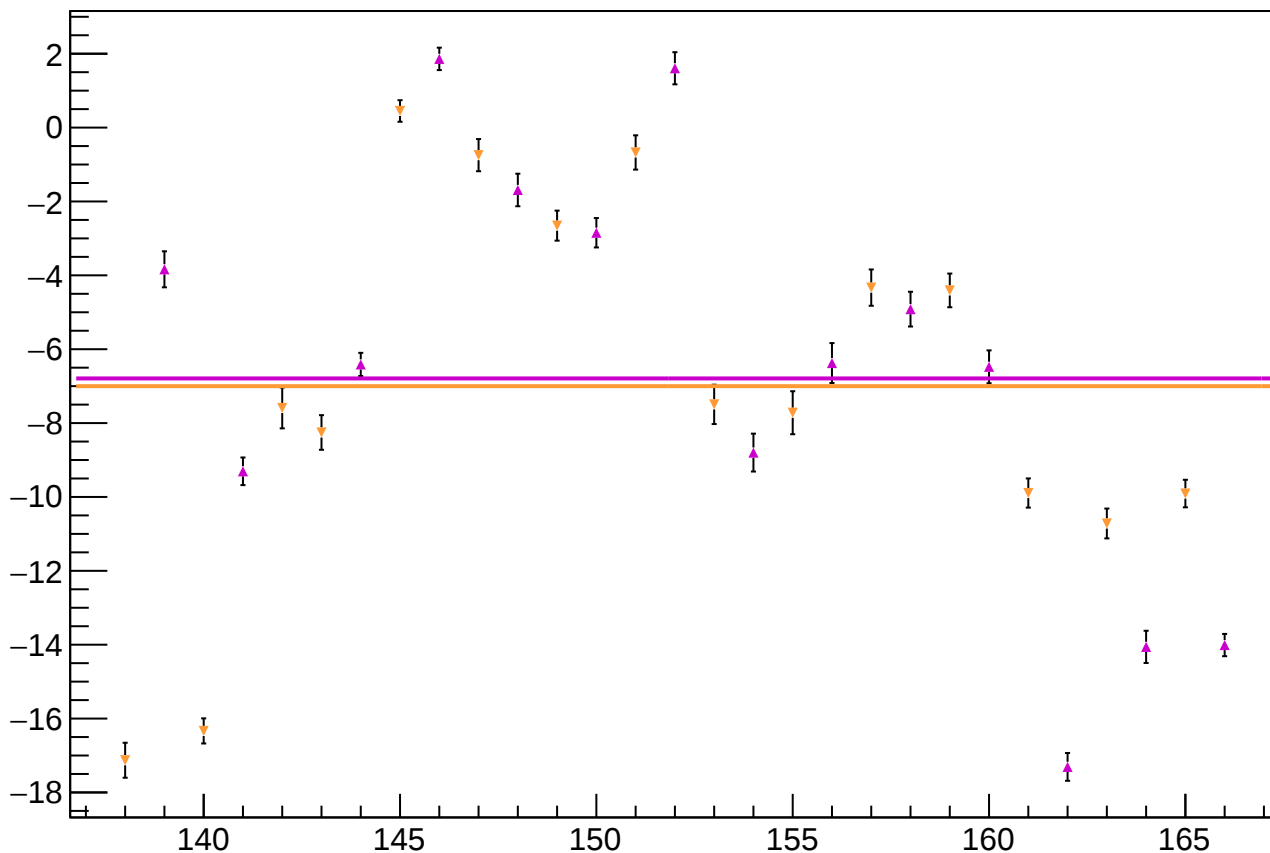
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.150+/-0.002 χ^2/NDF :1724.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.152+/-0.002 χ^2/NDF :2287.7/13

Left: -0.151+/-0.001 χ^2/NDF : 4012.6/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.152+/-0.002 χ^2/NDF :2287.7/13
 Out: -0.150+/-0.002 χ^2/NDF :1724.6/14
 All: -0.151+/-0.001 χ^2/NDF : 4012.6/28

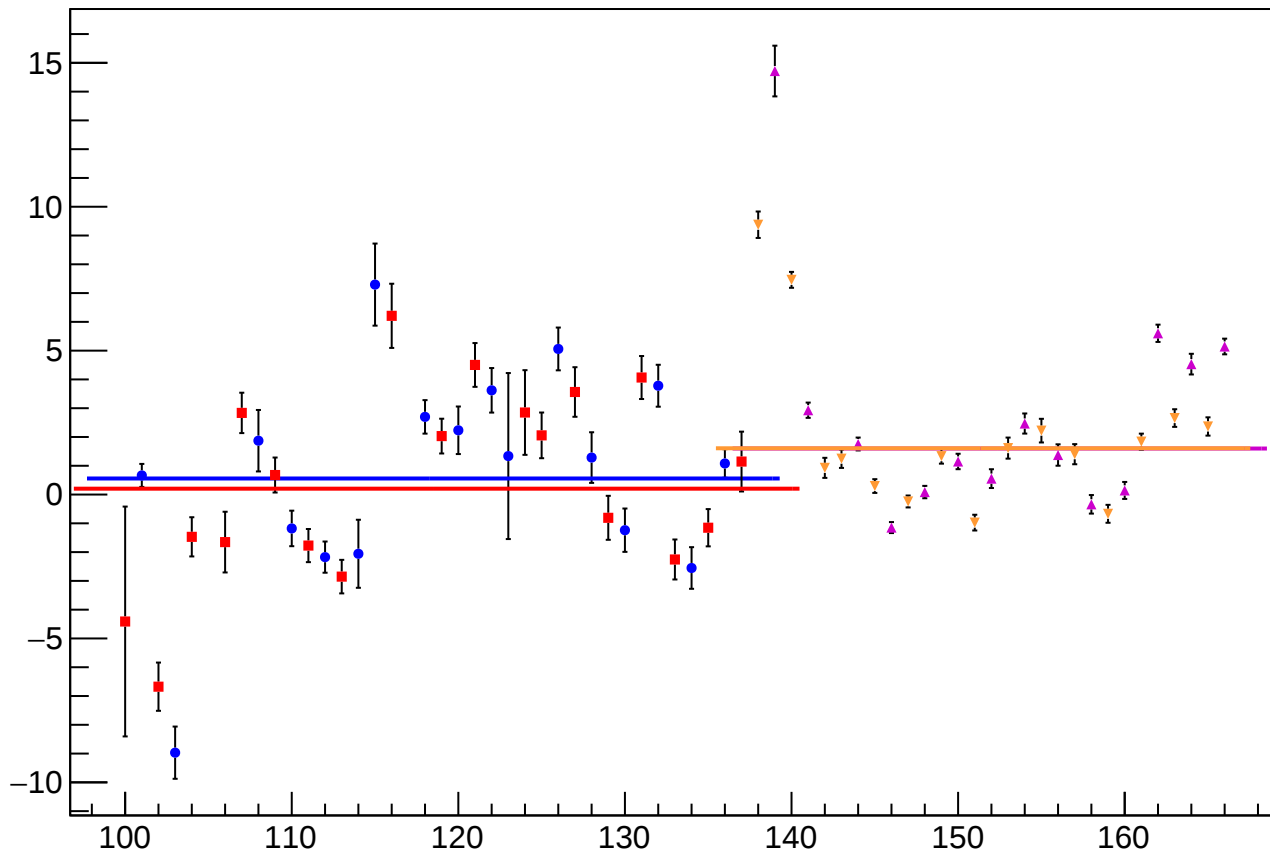
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -7.001 $\pm$ 0.109 χ^2/NDF :2640.0/14
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -6.791 $\pm$ 0.106 χ^2/NDF :3164.5/13

Left: -6.893 $\pm$ 0.076 χ^2/NDF : 5806.4/28
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -6.791 $\pm$ 0.106 χ^2/NDF :3164.5/13
 Out: -7.001 $\pm$ 0.109 χ^2/NDF :2640.0/14
 All: -6.893 $\pm$ 0.076 χ^2/NDF : 5806.4/28

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.608 ± 0.077 χ^2/NDF : 1013.7/14

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

Left In: 1.599 ± 0.075 χ^2/NDF : 997.7/13

Left: 1.603 ± 0.054 χ^2/NDF : 2011.4/28

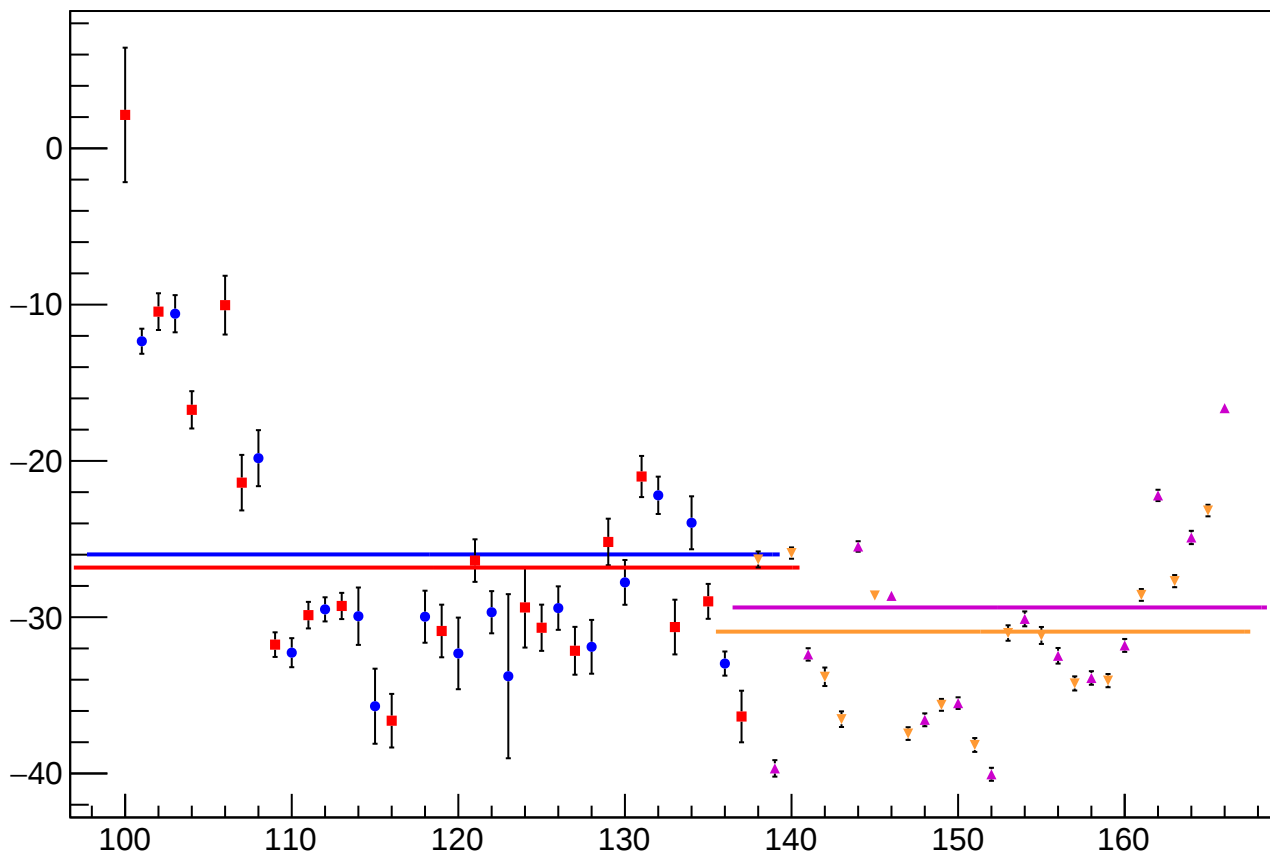
Right: 0.386 ± 0.122 χ^2/NDF : 562.1/35

In: 1.429 ± 0.069 χ^2/NDF : 1316.9/30

Out: 1.381 ± 0.070 χ^2/NDF : 1340.0/33

All: 1.405 ± 0.049 χ^2/NDF : 2657.1/64

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -30.924 ± 0.108 χ^2/NDF : 1807.9/14

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

Left In: -29.377 ± 0.104 χ^2/NDF : 4218.3/13

Left: -30.120 ± 0.075 χ^2/NDF : 6132.8/28

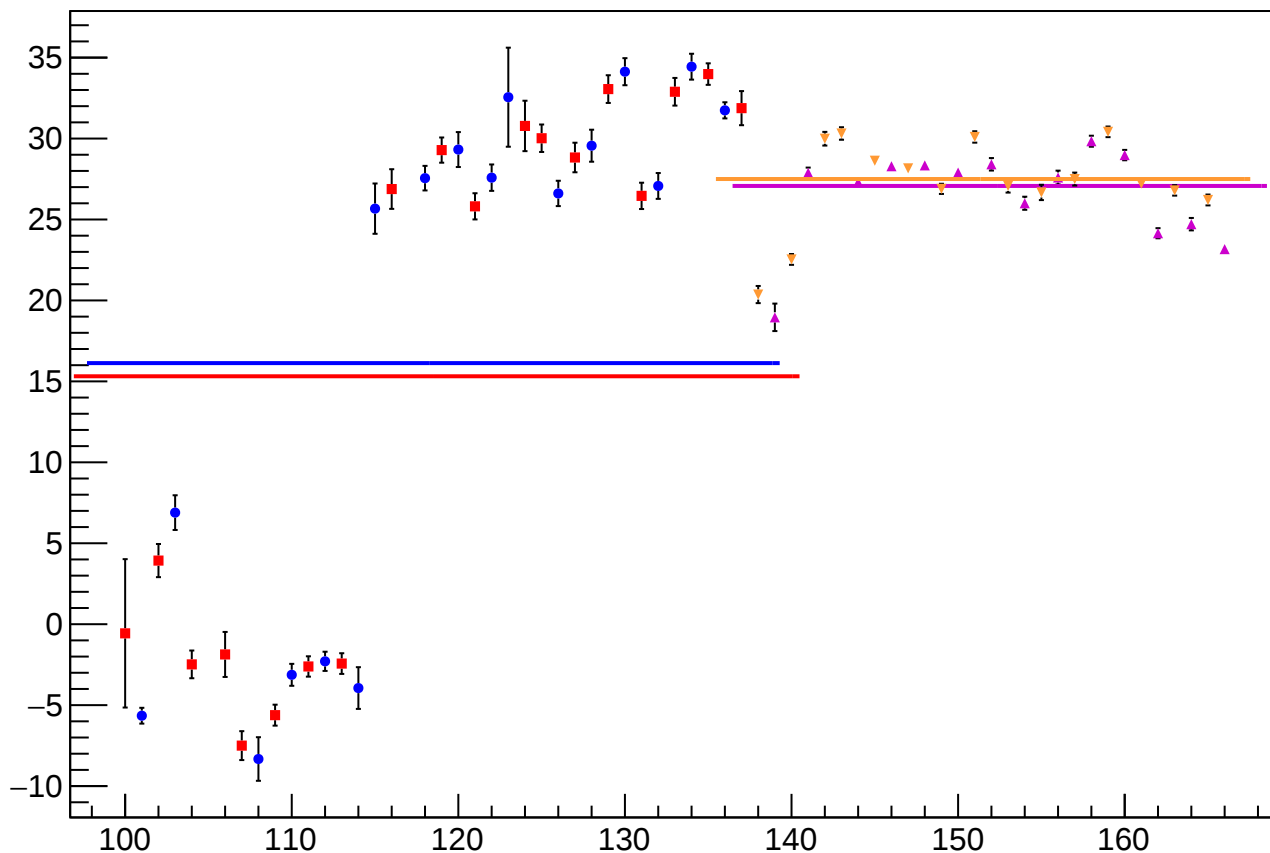
Right: -26.408 ± 0.211 χ^2/NDF : 1277.0/35

In: -29.014 ± 0.098 χ^2/NDF : 5023.7/30

Out: -30.446 ± 0.102 χ^2/NDF : 2557.1/33

All: -29.706 ± 0.071 χ^2/NDF : 7683.6/64

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 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: 27.073 $\pm$ 0.088 χ^2 /NDF:575.4/13

Left: 27.282 $\pm$ 0.063 χ^2 /NDF: 1260.6/28

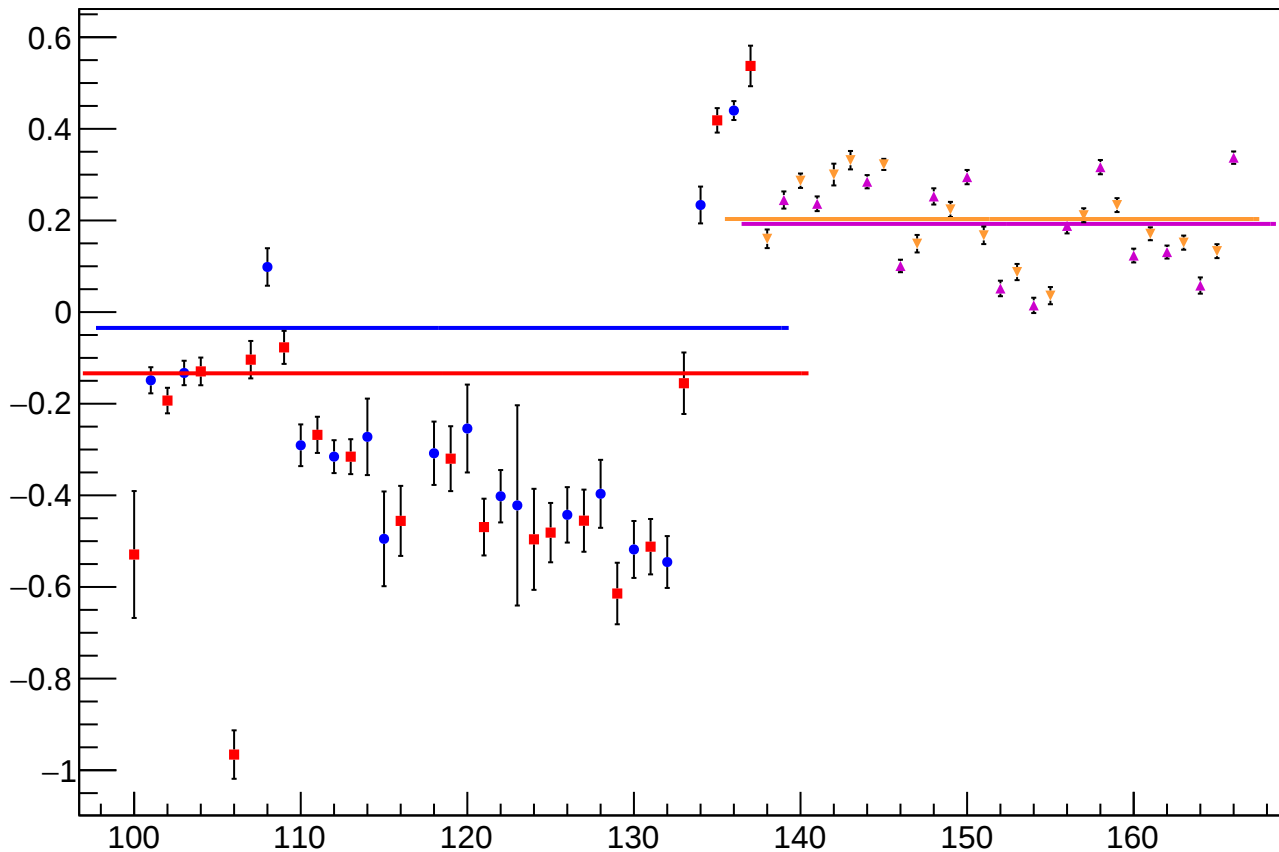
Right: 15.732 $\pm$ 0.138 χ^2 /NDF: 14859.4/35

In: 25.182 $\pm$ 0.080 χ^2 /NDF:10834.1/30

Out: 25.407 $\pm$ 0.082 χ^2 /NDF:11119.7/33

All: 25.292 $\pm$ 0.057 χ^2 /NDF: 21957.6/64

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.203 ± 0.004 χ^2/NDF : 363.9/14

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

Left In: 0.192 ± 0.004 χ^2/NDF : 612.0/13

Left: 0.198 ± 0.003 χ^2/NDF : 979.1/28

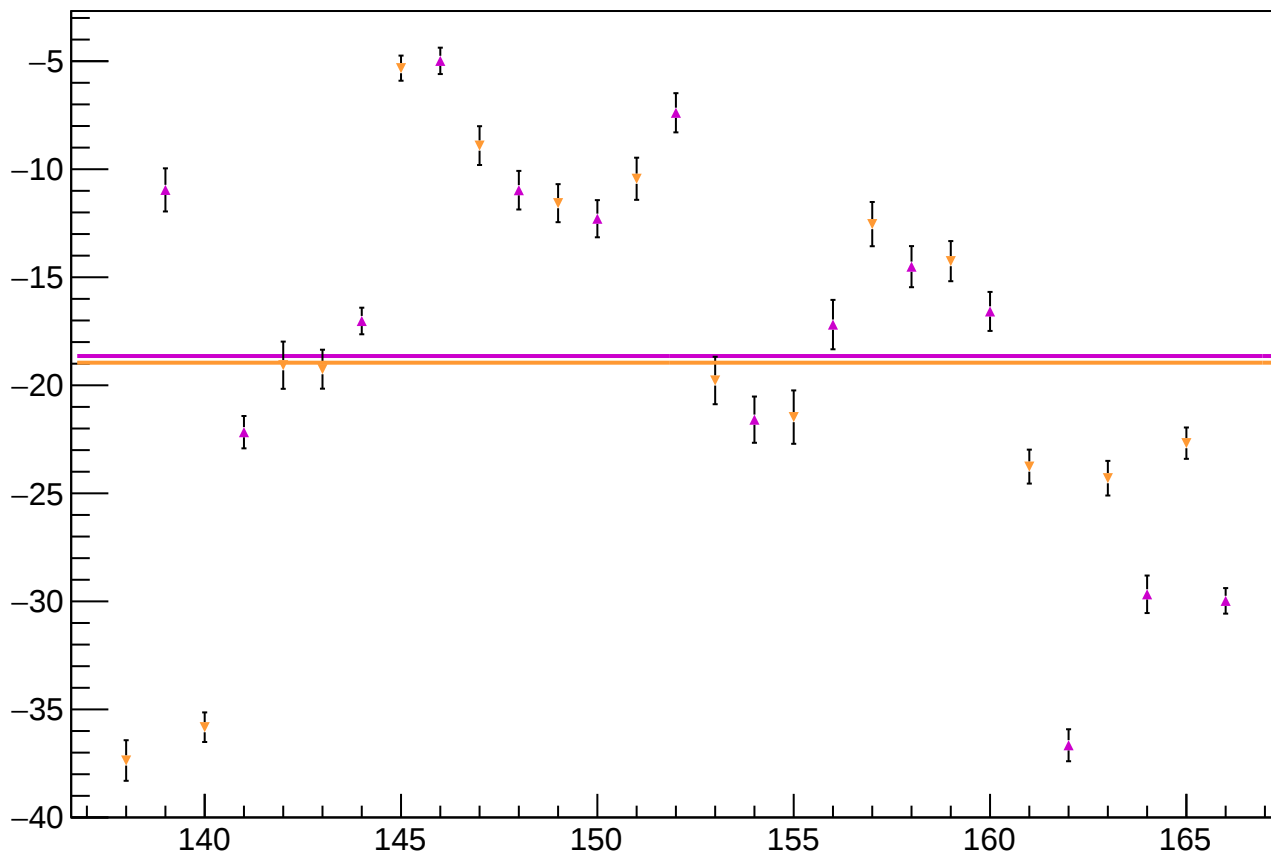
Right: -0.084 ± 0.007 χ^2/NDF : 2219.2/35

In: 0.160 ± 0.004 χ^2/NDF : 2038.4/30

Out: 0.154 ± 0.004 χ^2/NDF : 2427.3/33

All: 0.157 ± 0.003 χ^2/NDF : 4466.9/64

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -18.954+/-0.221 χ^2/NDF :1990.3/14

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

Left In: -18.645+/-0.214 χ^2/NDF :2025.0/13

Left: -18.794+/-0.153 χ^2/NDF : 4016.2/28

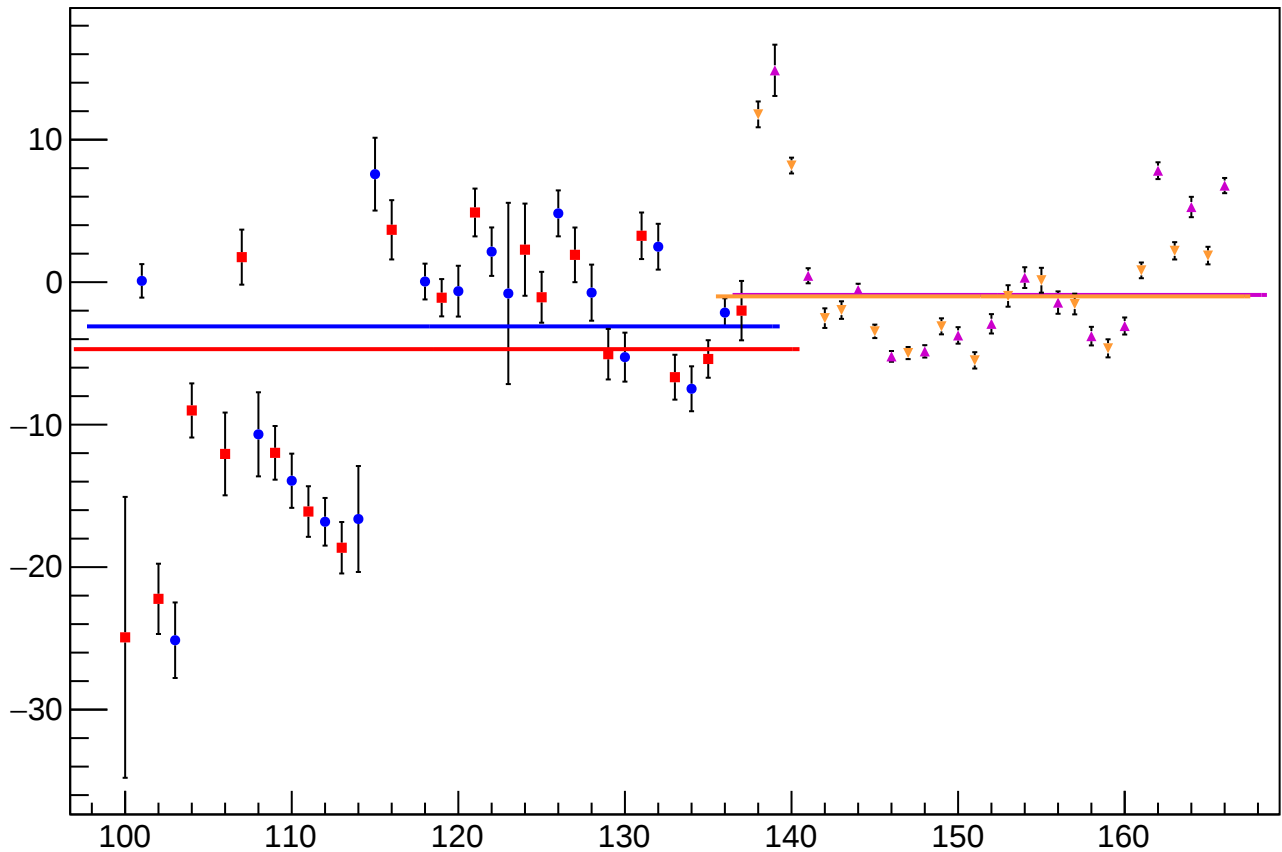
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.645+/-0.214 χ^2/NDF :2025.0/13

Out: -18.954+/-0.221 χ^2/NDF :1990.3/14

All: -18.794+/-0.153 χ^2/NDF : 4016.2/28

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -0.997 ± 0.155 χ^2/NDF : 764.2/14

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

Left In: -0.896 ± 0.152 χ^2/NDF : 866.0/13

Left: -0.945 ± 0.108 χ^2/NDF : 1630.5/28

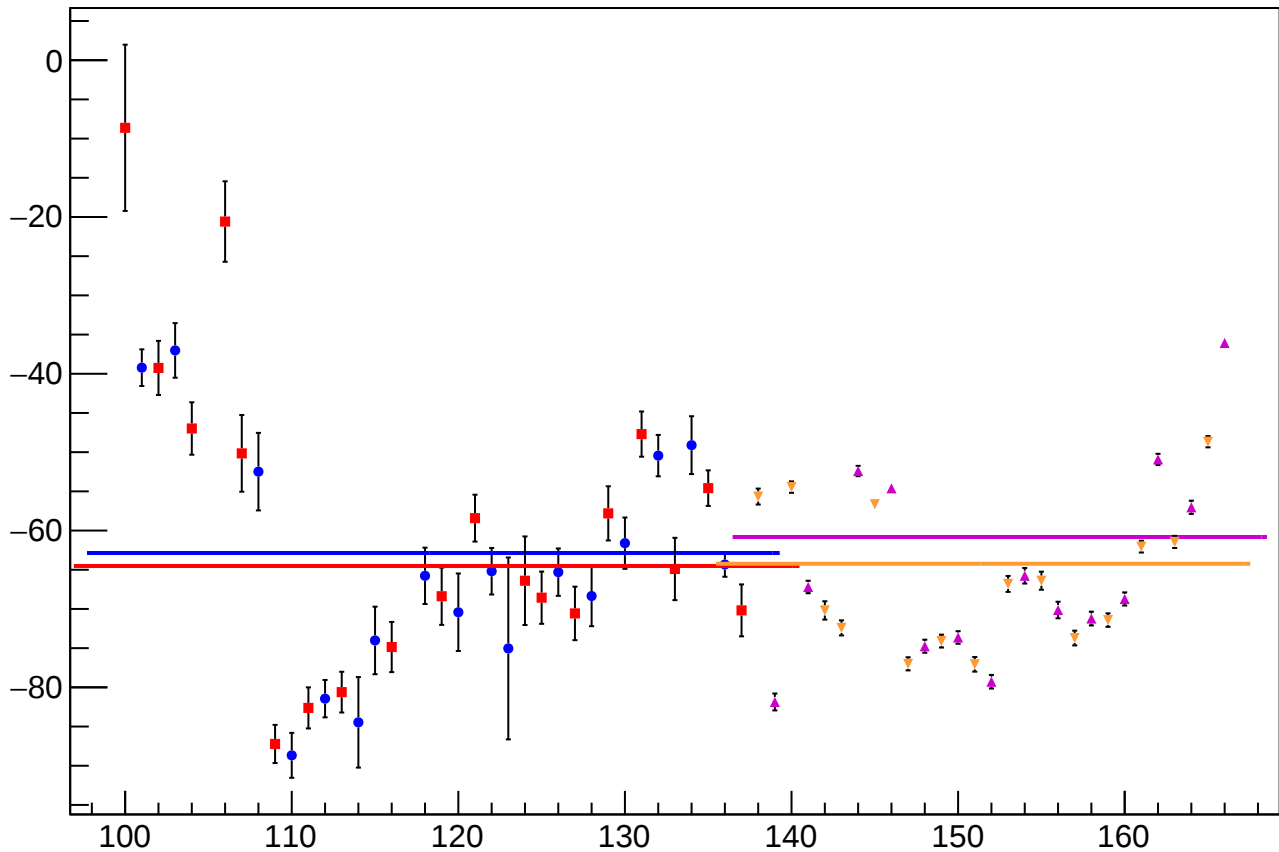
Right: -3.873 ± 0.296 χ^2/NDF : 584.0/35

In: -1.160 ± 0.142 χ^2/NDF : 1170.6/30

Out: -1.431 ± 0.146 χ^2/NDF : 1128.4/33

All: -1.292 ± 0.102 χ^2/NDF : 2300.8/64

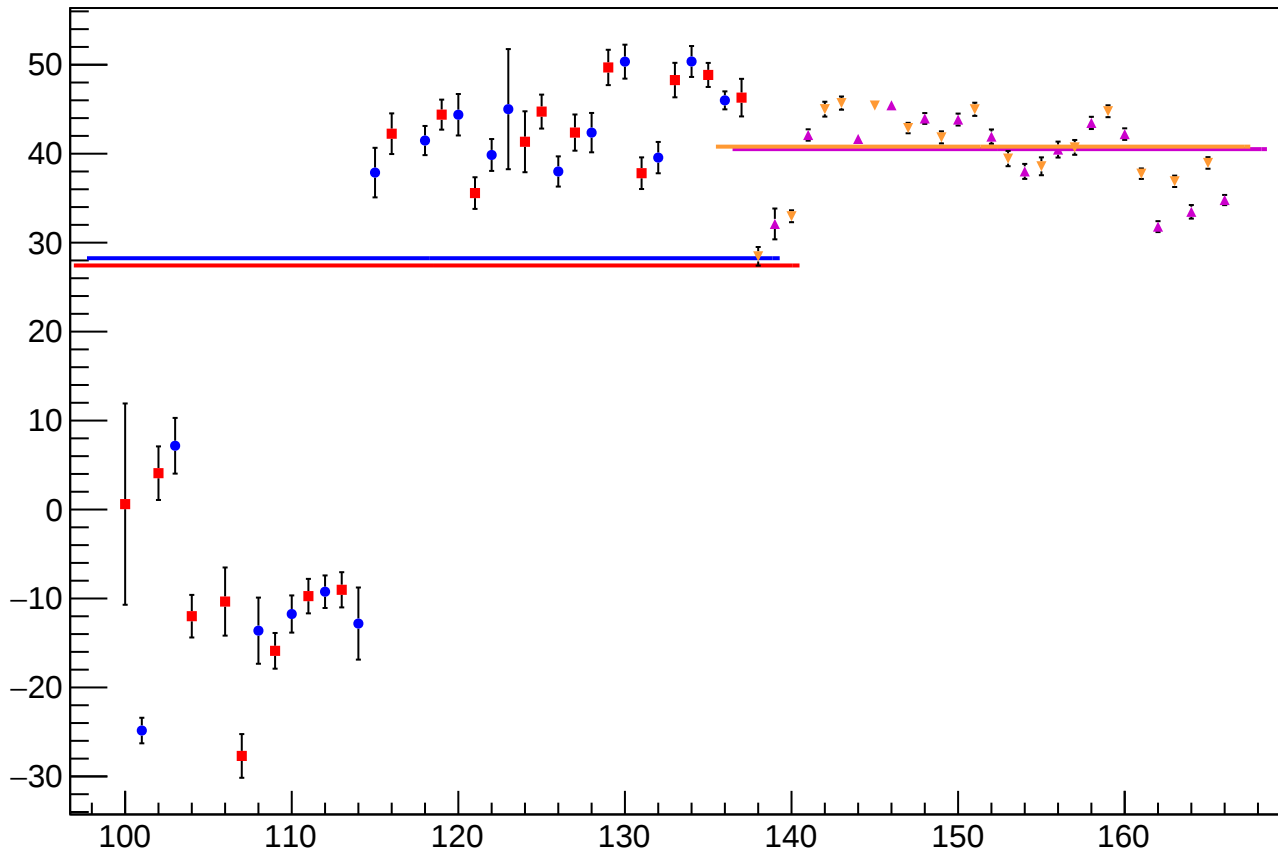
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16
 Left Out: -64.233 ± 0.219 χ^2/NDF : 1733.6/14
 Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18
 Left In: -60.819 ± 0.210 χ^2/NDF : 3934.2/13

Left: -62.456 ± 0.151 χ^2/NDF : 5794.5/28
 Right: -63.677 ± 0.528 χ^2/NDF : 815.4/35
 In: -60.971 ± 0.202 χ^2/NDF : 4310.0/30
 Out: -64.255 ± 0.210 χ^2/NDF : 2178.0/33
 All: -62.549 ± 0.146 χ^2/NDF : 6614.9/64

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 40.512 $\pm$ 0.177 χ^2 /NDF: 621.2/13

Left: 40.649 $\pm$ 0.127 χ^2 /NDF: 1198.6/28

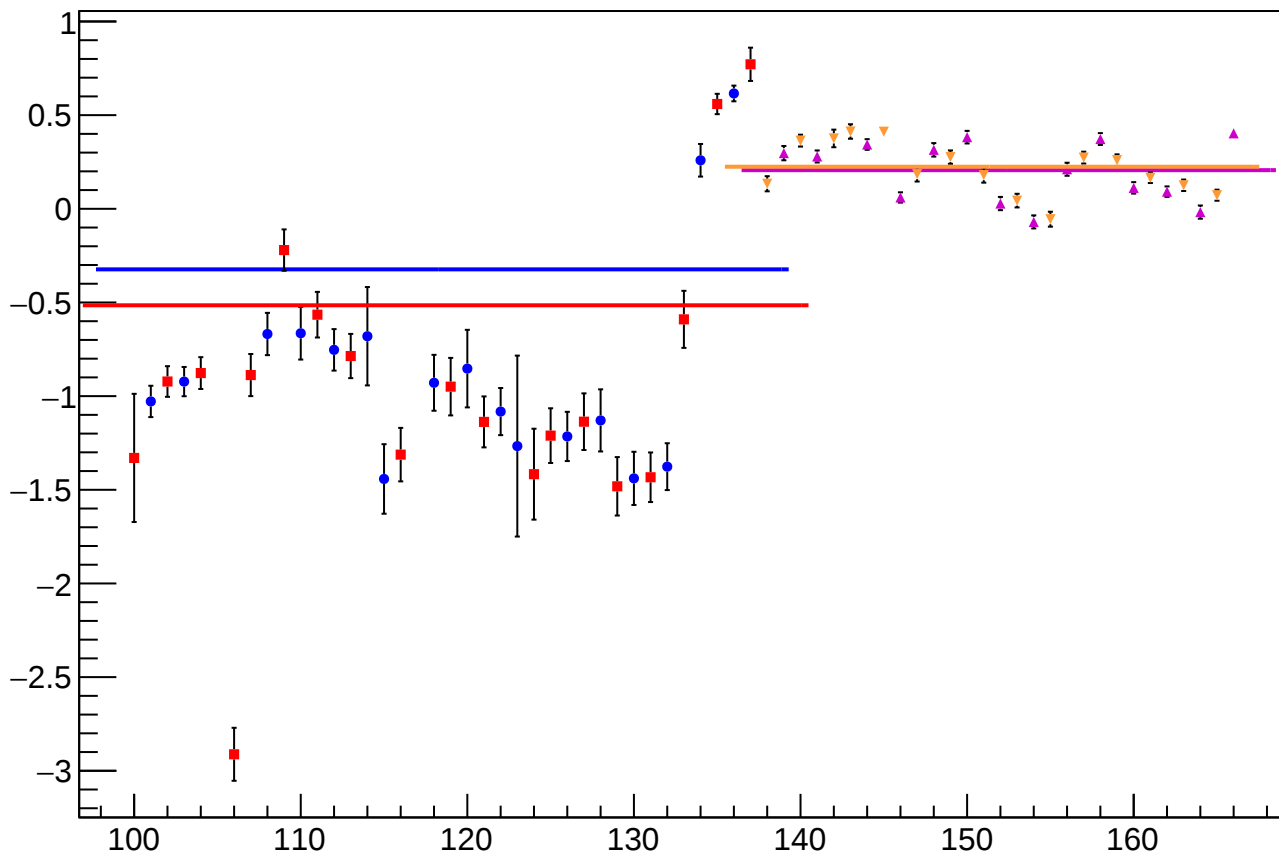
Right: 27.859 $\pm$ 0.332 χ^2 /NDF: 6353.5/35

In: 38.931 $\pm$ 0.165 χ^2 /NDF: 4559.4/30

Out: 39.113 $\pm$ 0.170 χ^2 /NDF: 4289.2/33

All: 39.020 $\pm$ 0.118 χ^2 /NDF: 8849.2/64

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.225 ± 0.009 χ^2/NDF : 241.2/14

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

Left In: 0.206 ± 0.008 χ^2/NDF : 335.9/13

Left: 0.215 ± 0.006 χ^2/NDF : 579.3/28

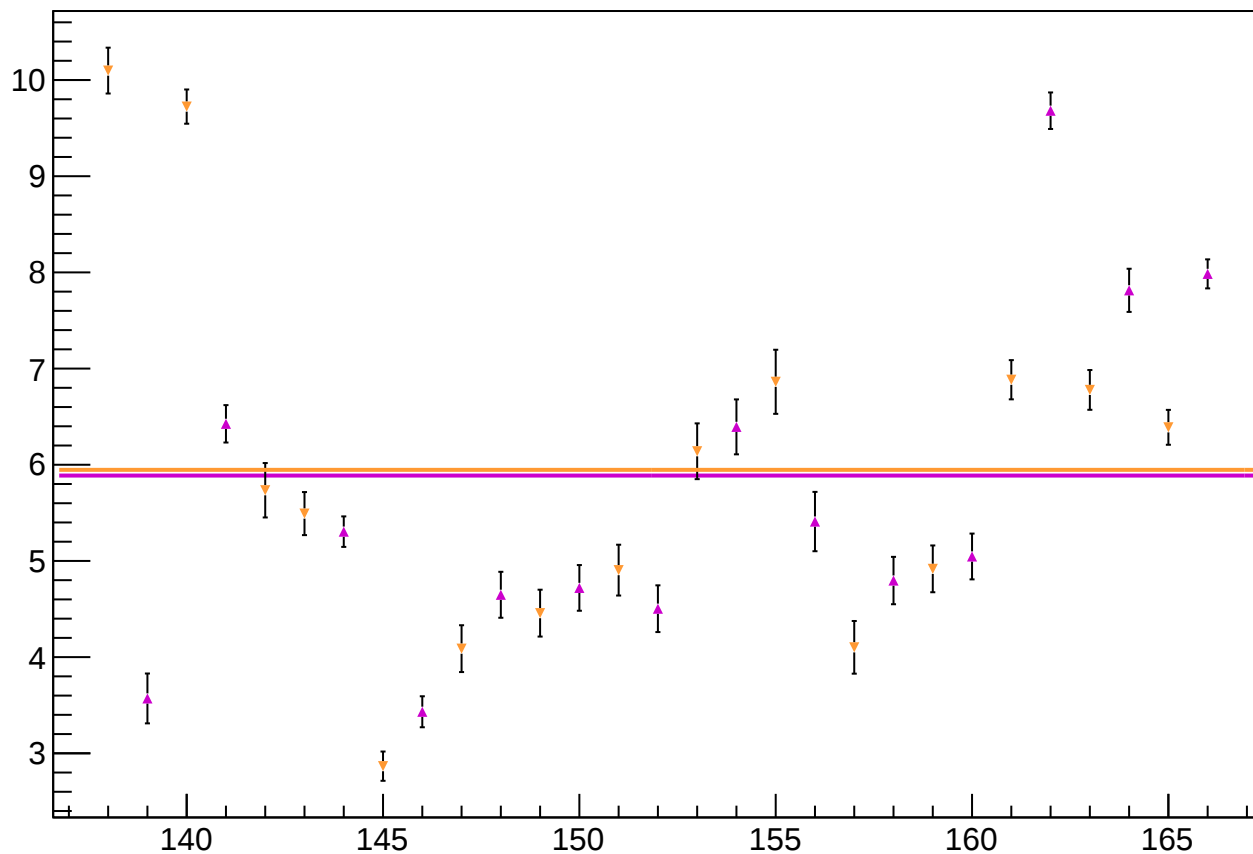
Right: -0.416 ± 0.018 χ^2/NDF : 2200.2/35

In: 0.151 ± 0.008 χ^2/NDF : 1750.4/30

Out: 0.150 ± 0.008 χ^2/NDF : 2143.2/33

All: 0.151 ± 0.006 χ^2/NDF : 3893.7/64

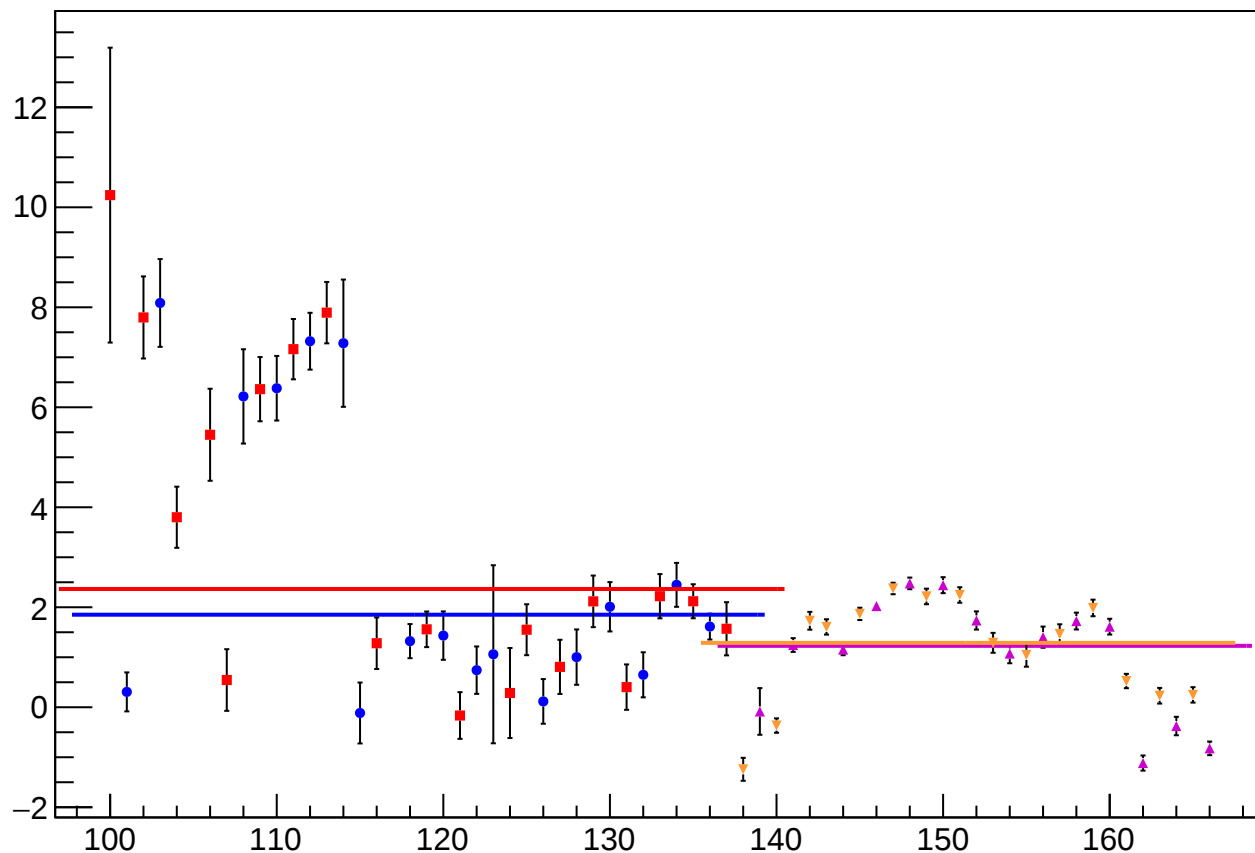
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.947+/-0.058 χ^2/NDF :1393.9/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.888+/-0.056 χ^2/NDF :1120.6/13

Left: 5.916+/-0.040 χ^2/NDF : 2515.1/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.888+/-0.056 χ^2/NDF :1120.6/13
 Out: 5.947+/-0.058 χ^2/NDF :1393.9/14
 All: 5.916+/-0.040 χ^2/NDF : 2515.1/28

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.288 ± 0.041 χ^2/NDF : 587.3/14

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

Left In: 1.228 ± 0.040 χ^2/NDF : 813.5/13

Left: 1.257 ± 0.028 χ^2/NDF : 1401.9/28

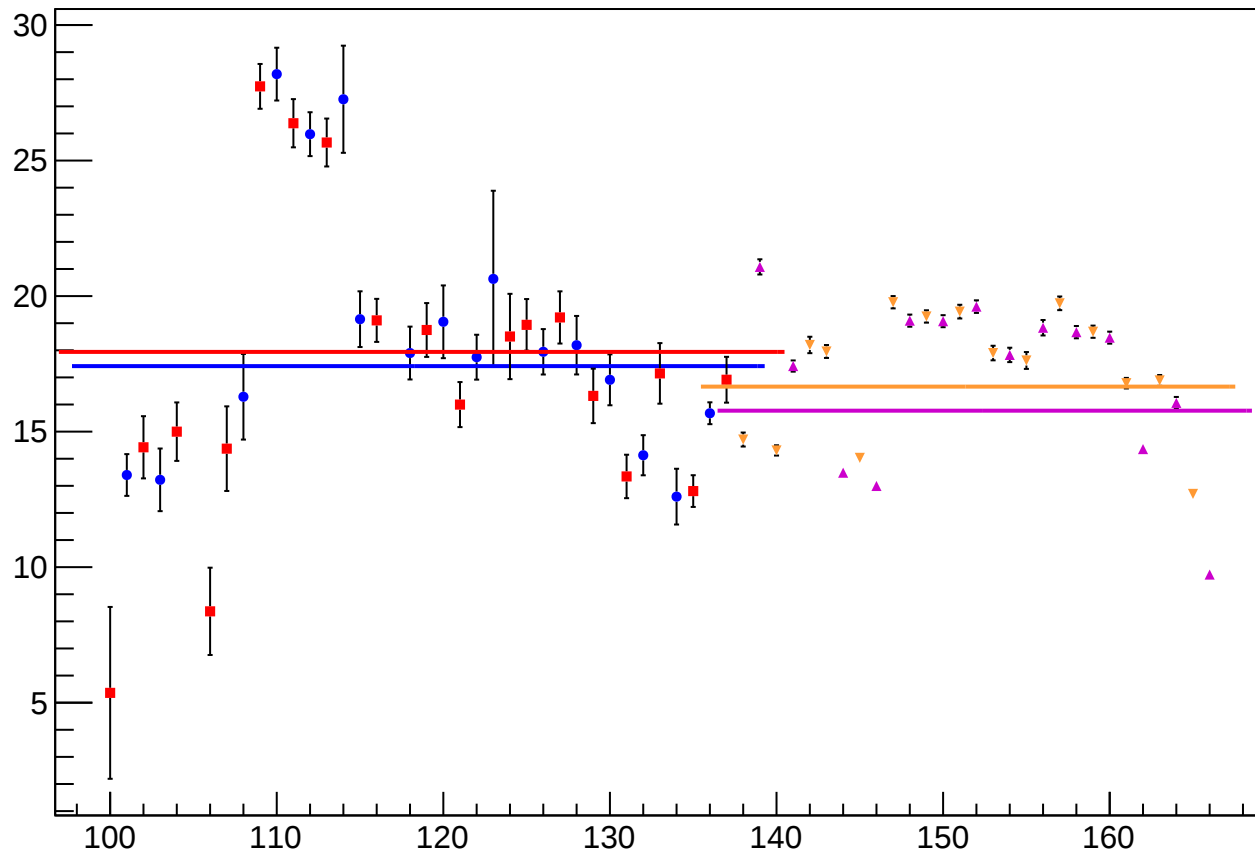
Right: 2.097 ± 0.085 χ^2/NDF : 639.6/35

In: 1.293 ± 0.038 χ^2/NDF : 1133.0/30

Out: 1.395 ± 0.039 χ^2/NDF : 993.1/33

All: 1.342 ± 0.027 χ^2/NDF : 2129.8/64

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 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: 15.773 $\pm$ 0.055 χ^2 /NDF:3733.3/13

Left: 16.199 $\pm$ 0.040 χ^2 /NDF: 5569.7/28

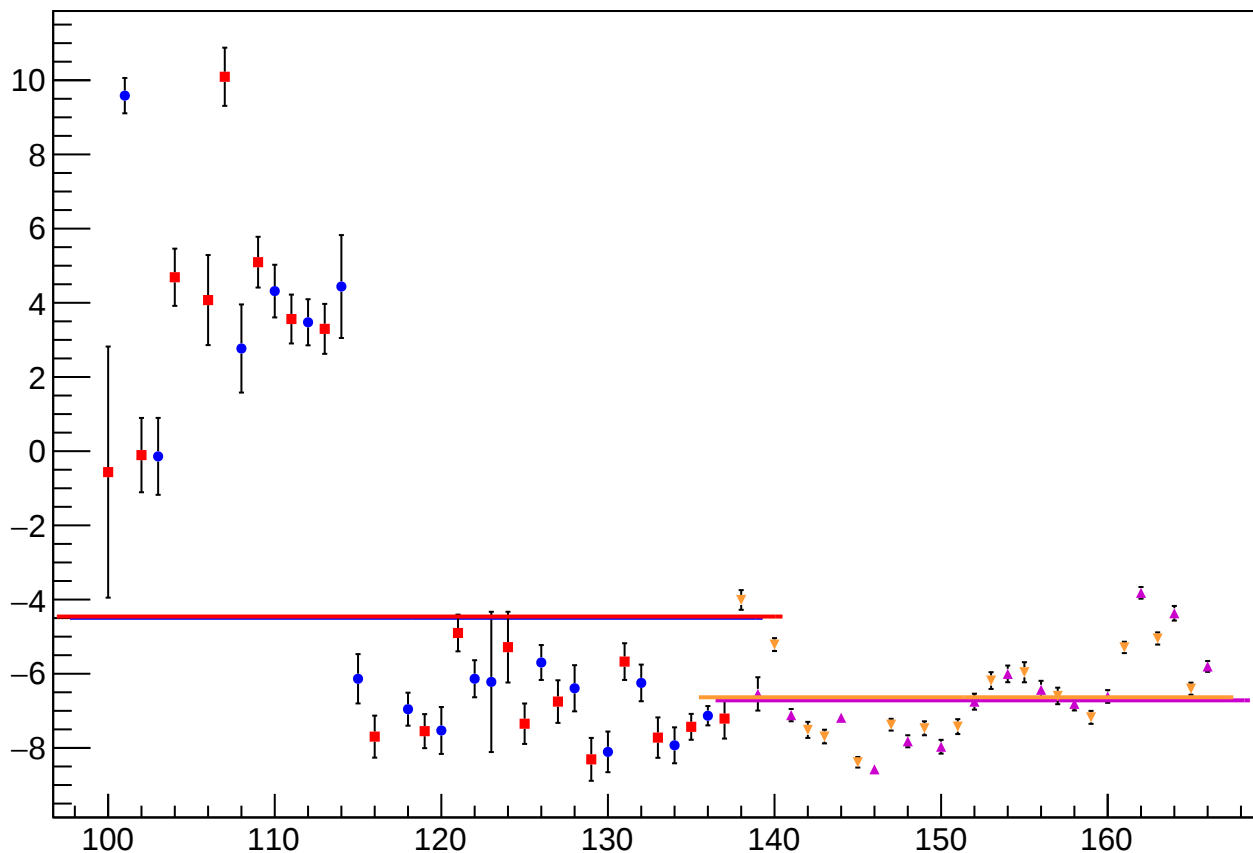
Right: 17.671 $\pm$ 0.153 χ^2 /NDF: 875.6/35

In: 15.876 $\pm$ 0.053 χ^2 /NDF:4156.3/30

Out: 16.742 $\pm$ 0.055 χ^2 /NDF:2248.9/33

All: 16.292 $\pm$ 0.038 χ^2 /NDF: 6532.4/64

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 $\chi^2/\text{NDF}: 1585.4/16$

Left Out: -6.635 ± 0.048 $\chi^2/\text{NDF}: 613.5/14$

Right Out: -4.458 ± 0.137 $\chi^2/\text{NDF}: 1338.9/18$

Left In: -6.717 ± 0.046 $\chi^2/\text{NDF}: 864.2/13$

Left: -6.677 ± 0.033 $\chi^2/\text{NDF}: 1479.3/28$

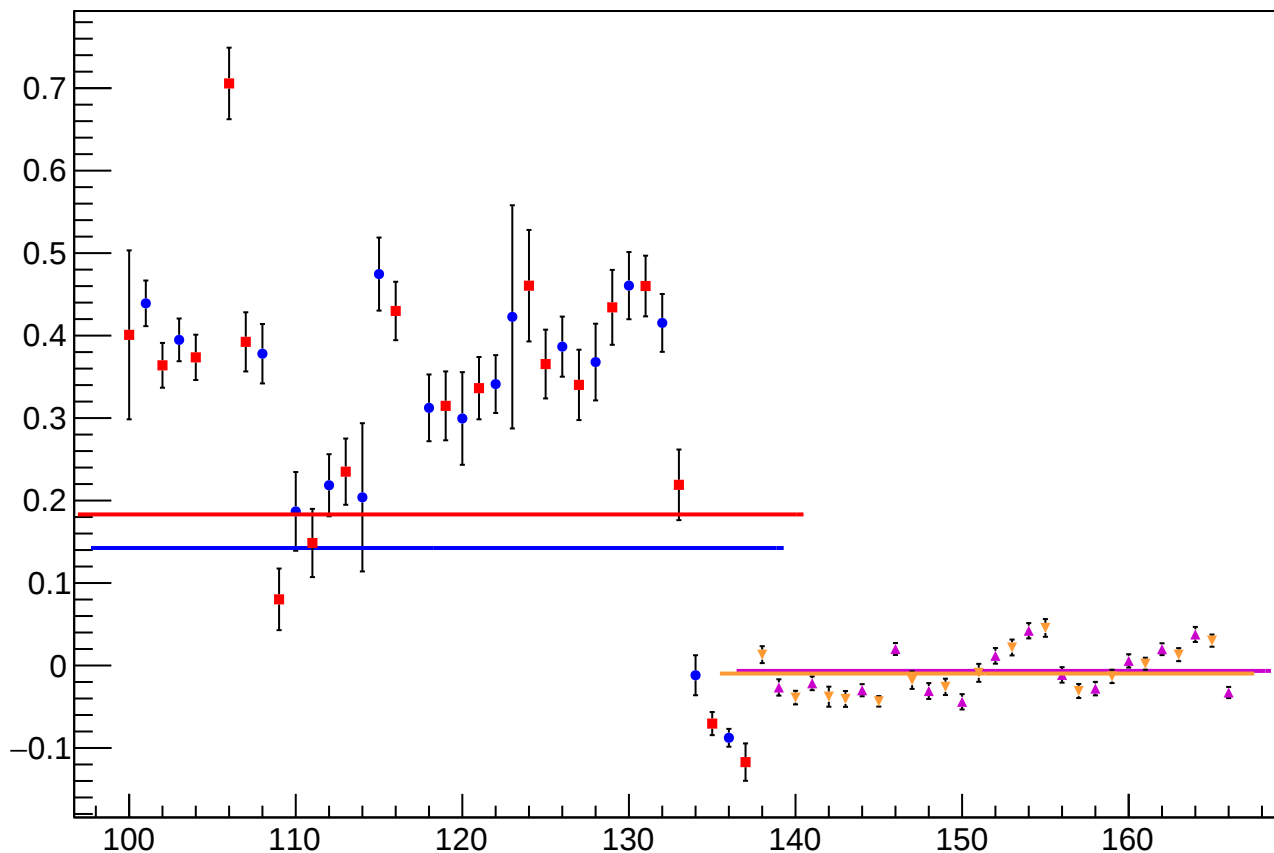
Right: -4.476 ± 0.094 $\chi^2/\text{NDF}: 2924.4/35$

In: -6.468 ± 0.044 $\chi^2/\text{NDF}: 2708.1/30$

Out: -6.401 ± 0.045 $\chi^2/\text{NDF}: 2177.7/33$

All: -6.435 ± 0.031 $\chi^2/\text{NDF}: 4887.0/64$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1058.8/16

Left Out: -0.010 $\pm$ 0.002 χ^2 /NDF:148.3/14

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 1000.9/18

Left In: -0.007 $\pm$ 0.002 χ^2 /NDF:146.0/13

Left: -0.008 $\pm$ 0.002 χ^2 /NDF: 295.4/28

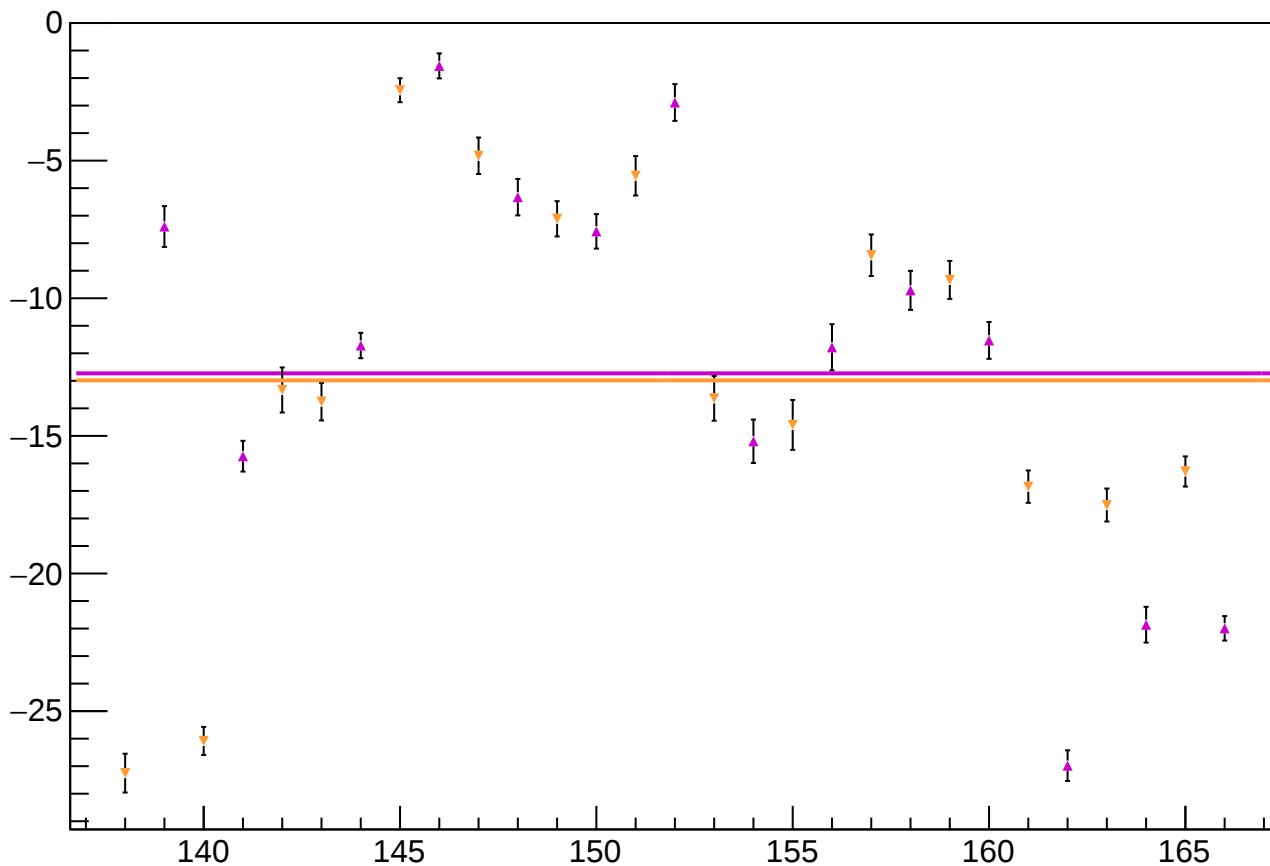
Right: 0.162 $\pm$ 0.005 χ^2 /NDF: 2075.4/35

In: 0.007 $\pm$ 0.002 χ^2 /NDF:1609.0/30

Out: 0.007 $\pm$ 0.002 χ^2 /NDF:1769.7/33

All: 0.007 $\pm$ 0.002 χ^2 /NDF: 3378.7/64

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



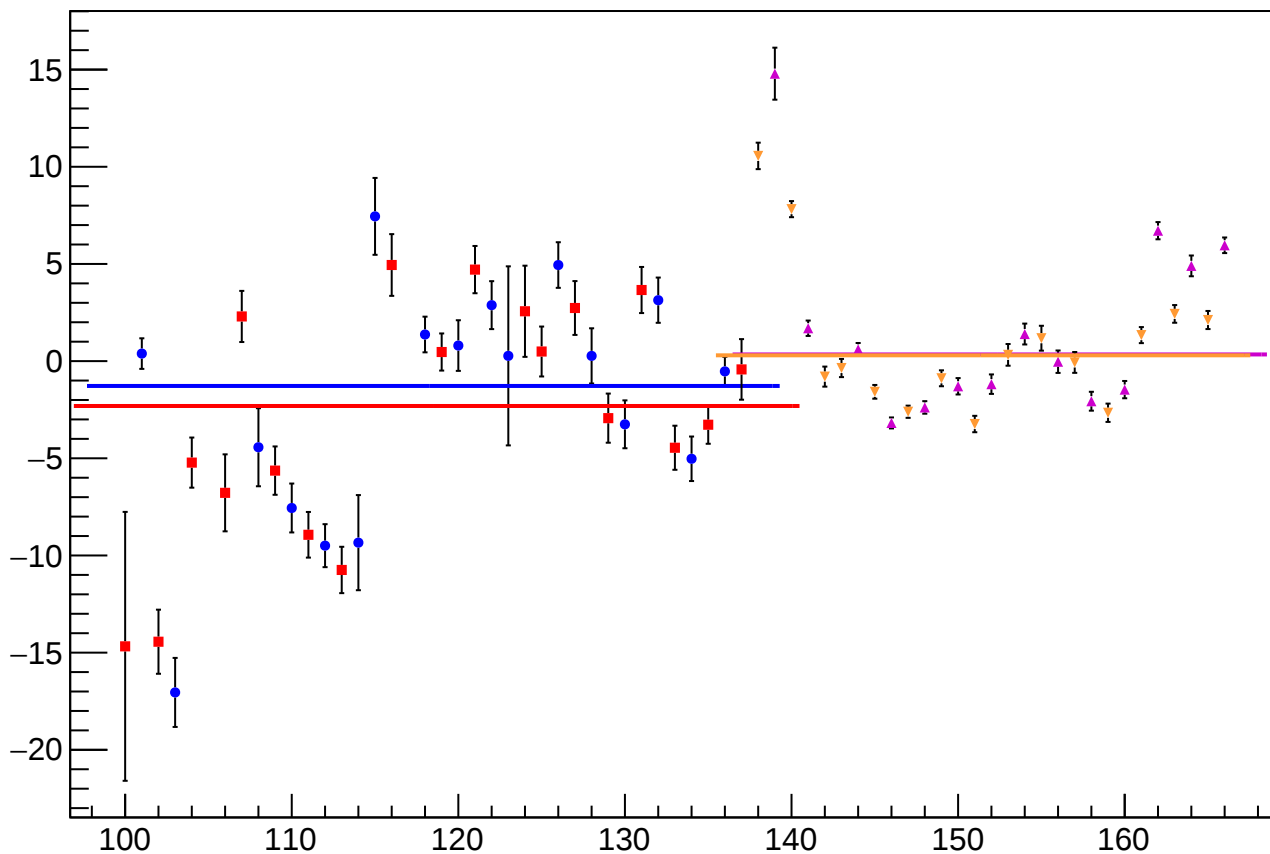
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -12.983+/-0.164 χ^2/NDF :2207.4/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -12.728+/-0.159 χ^2/NDF :2389.5/13

Left: -12.852+/-0.114 χ^2/NDF : 4598.2/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.728+/-0.159 χ^2/NDF :2389.5/13
 Out: -12.983+/-0.164 χ^2/NDF :2207.4/14

All: -12.852+/-0.114 χ^2/NDF : 4598.2/28

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 0.299 ± 0.116 χ^2/NDF : 840.5/14

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

Left In: 0.344 ± 0.113 χ^2/NDF : 900.3/13

Left: 0.322 ± 0.081 χ^2/NDF : 1740.8/28

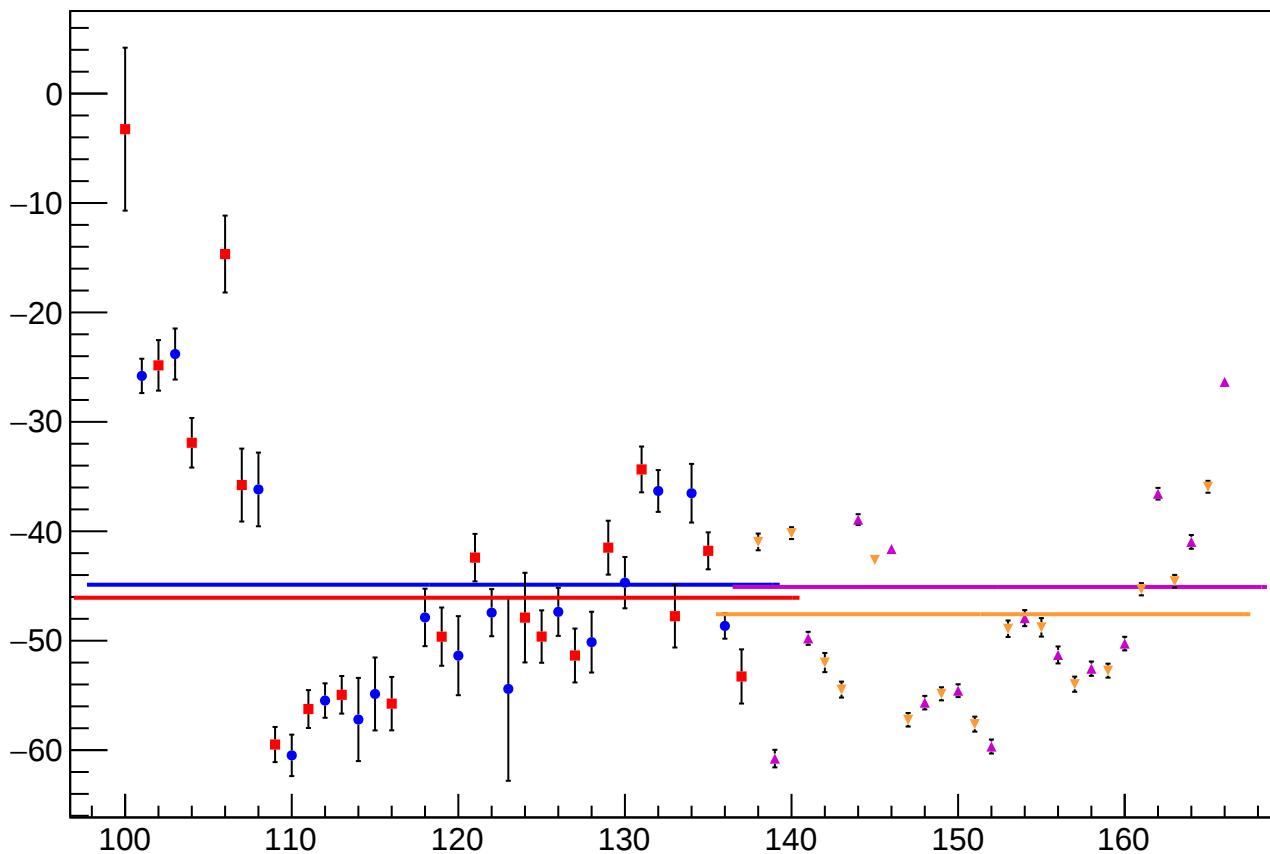
Right: -1.776 ± 0.210 χ^2/NDF : 567.8/35

In: 0.133 ± 0.105 χ^2/NDF : 1203.6/30

Out: -0.034 ± 0.108 χ^2/NDF : 1190.7/33

All: 0.052 ± 0.075 χ^2/NDF : 2395.4/64

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected

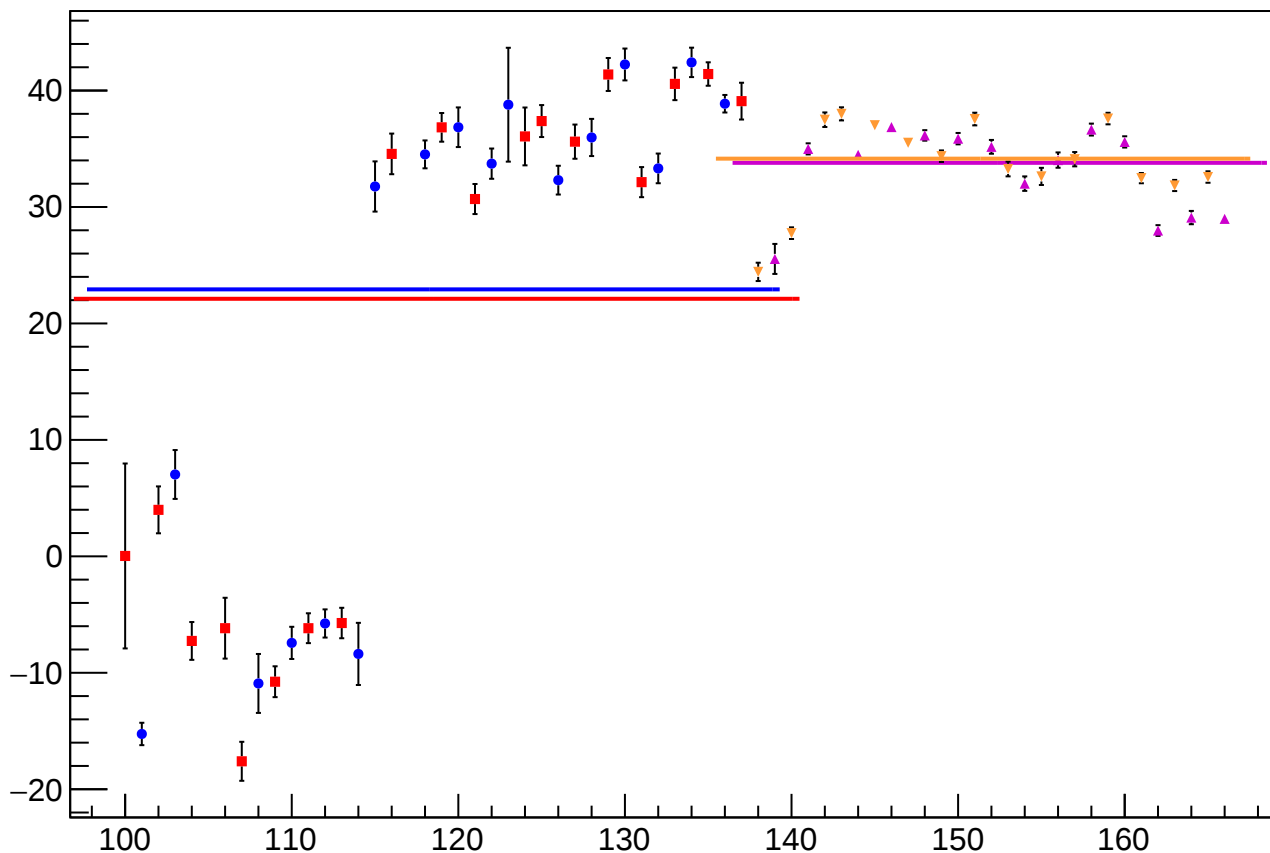


Right In: -44.883 ± 0.524 $\chi^2/\text{NDF}: 421.0/16$
 Left Out: -47.580 ± 0.163 $\chi^2/\text{NDF}: 1753.0/14$
 Right Out: -46.075 ± 0.529 $\chi^2/\text{NDF}: 454.3/18$
 Left In: -45.087 ± 0.156 $\chi^2/\text{NDF}: 4020.6/13$

Left: -46.282 ± 0.113 $\chi^2/\text{NDF}: 5895.7/28$
 Right: -45.474 ± 0.372 $\chi^2/\text{NDF}: 877.8/35$
 In: -45.070 ± 0.150 $\chi^2/\text{NDF}: 4441.7/30$
 Out: -47.450 ± 0.156 $\chi^2/\text{NDF}: 2214.7/33$

All: -46.215 ± 0.108 $\chi^2/\text{NDF}: 6777.8/64$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 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: 33.793 $\pm$ 0.132 χ^2 /NDF: 580.2/13

Left: 33.968 $\pm$ 0.094 χ^2 /NDF: 1175.8/28

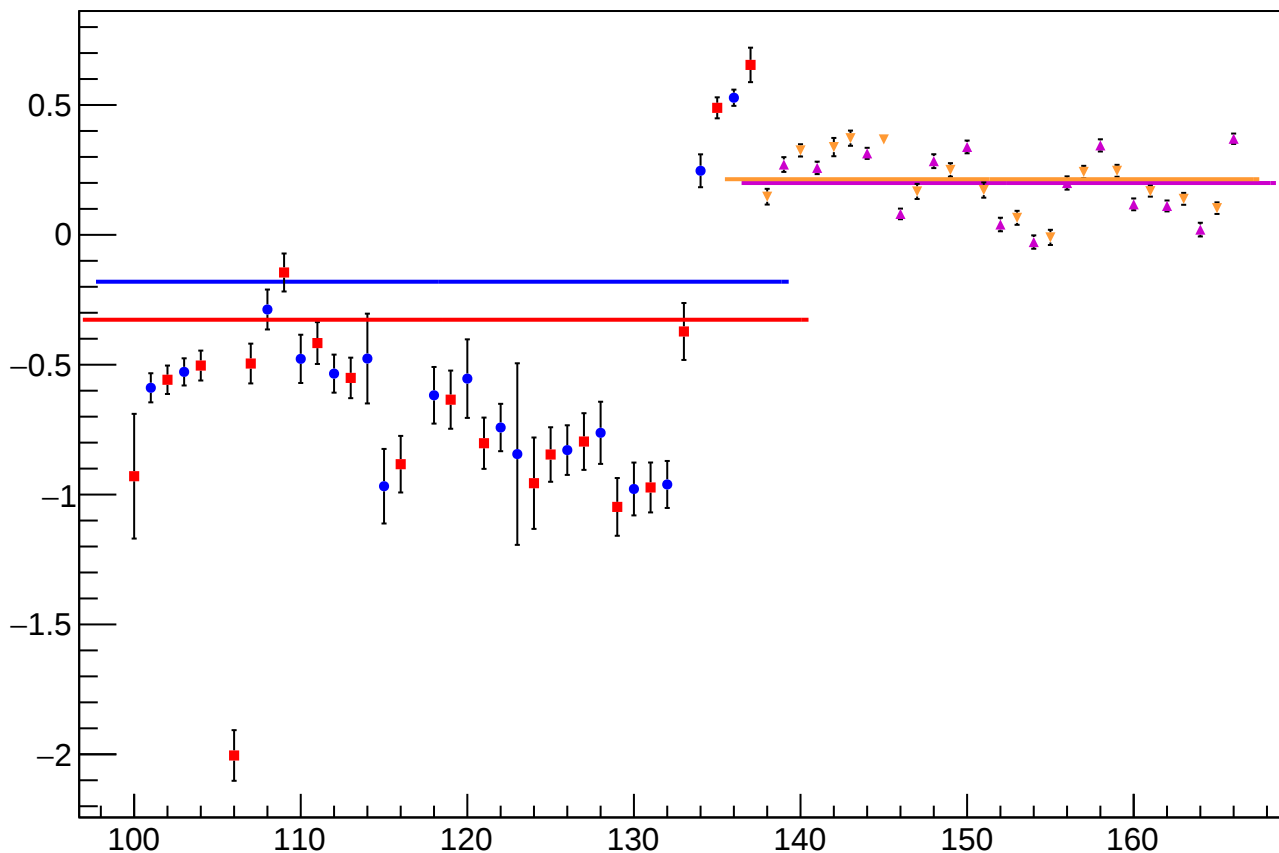
Right: 22.536 $\pm$ 0.236 χ^2 /NDF: 8366.6/35

In: 32.282 $\pm$ 0.122 χ^2 /NDF: 5855.1/30

Out: 32.510 $\pm$ 0.126 χ^2 /NDF: 5707.5/33

All: 32.393 $\pm$ 0.088 χ^2 /NDF: 11564.3/64

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.214 ± 0.006 χ^2/NDF : 279.7/14

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

Left In: 0.200 ± 0.006 χ^2/NDF : 420.2/13

Left: 0.207 ± 0.005 χ^2/NDF : 702.6/28

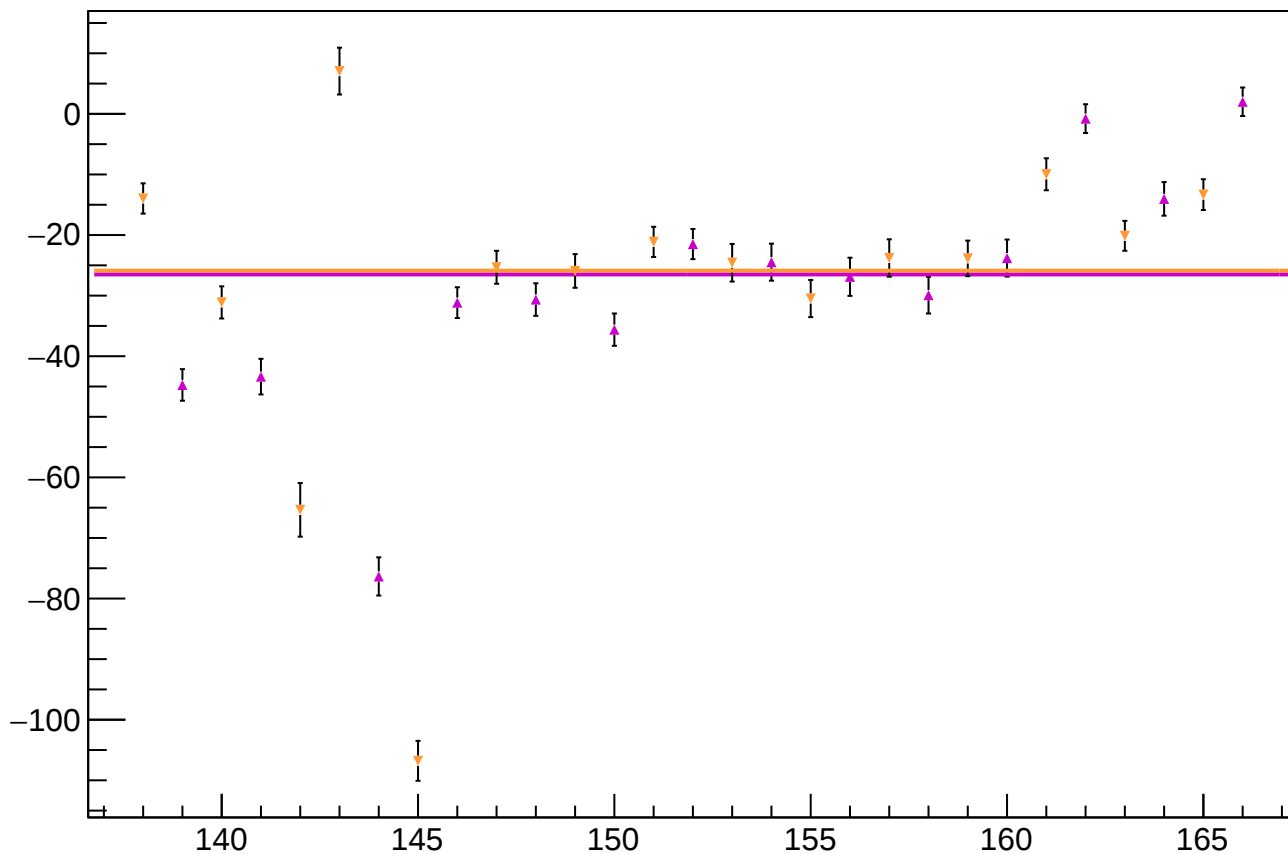
Right: -0.252 ± 0.013 χ^2/NDF : 2204.4/35

In: 0.157 ± 0.006 χ^2/NDF : 1822.0/30

Out: 0.154 ± 0.006 χ^2/NDF : 2241.0/33

All: 0.156 ± 0.004 χ^2/NDF : 4063.2/64

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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: -26.501+/-0.731 χ^2/NDF :639.9/13

Left: -26.191+/-0.520 χ^2/NDF : 1494.6/28

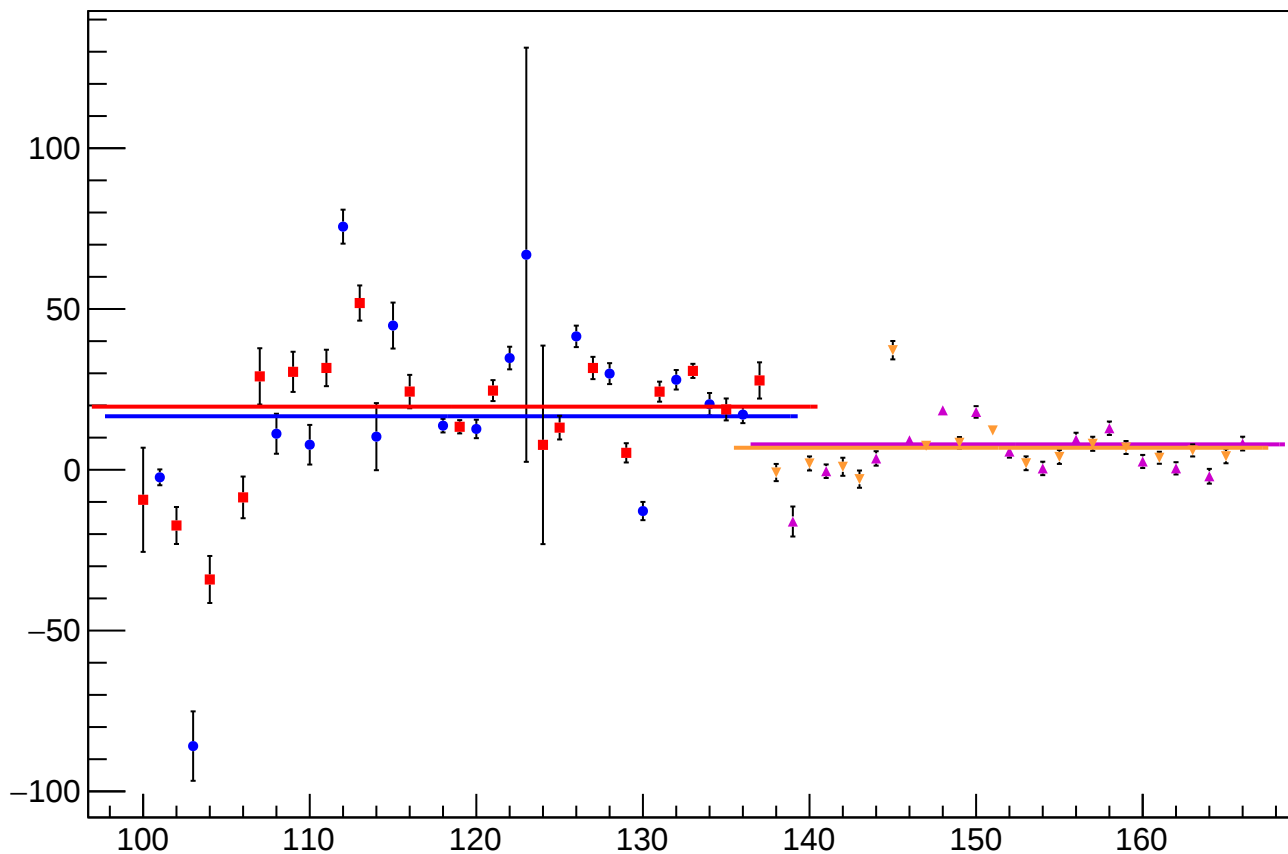
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.501+/-0.731 χ^2/NDF :639.9/13

Out: -25.874+/-0.739 χ^2/NDF :854.4/14

All: -26.191+/-0.520 χ^2/NDF : 1494.6/28

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 7.903 ± 0.521 $\chi^2/\text{NDF}: 204.4/13$

Left: 7.368 ± 0.365 $\chi^2/\text{NDF}: 377.1/28$

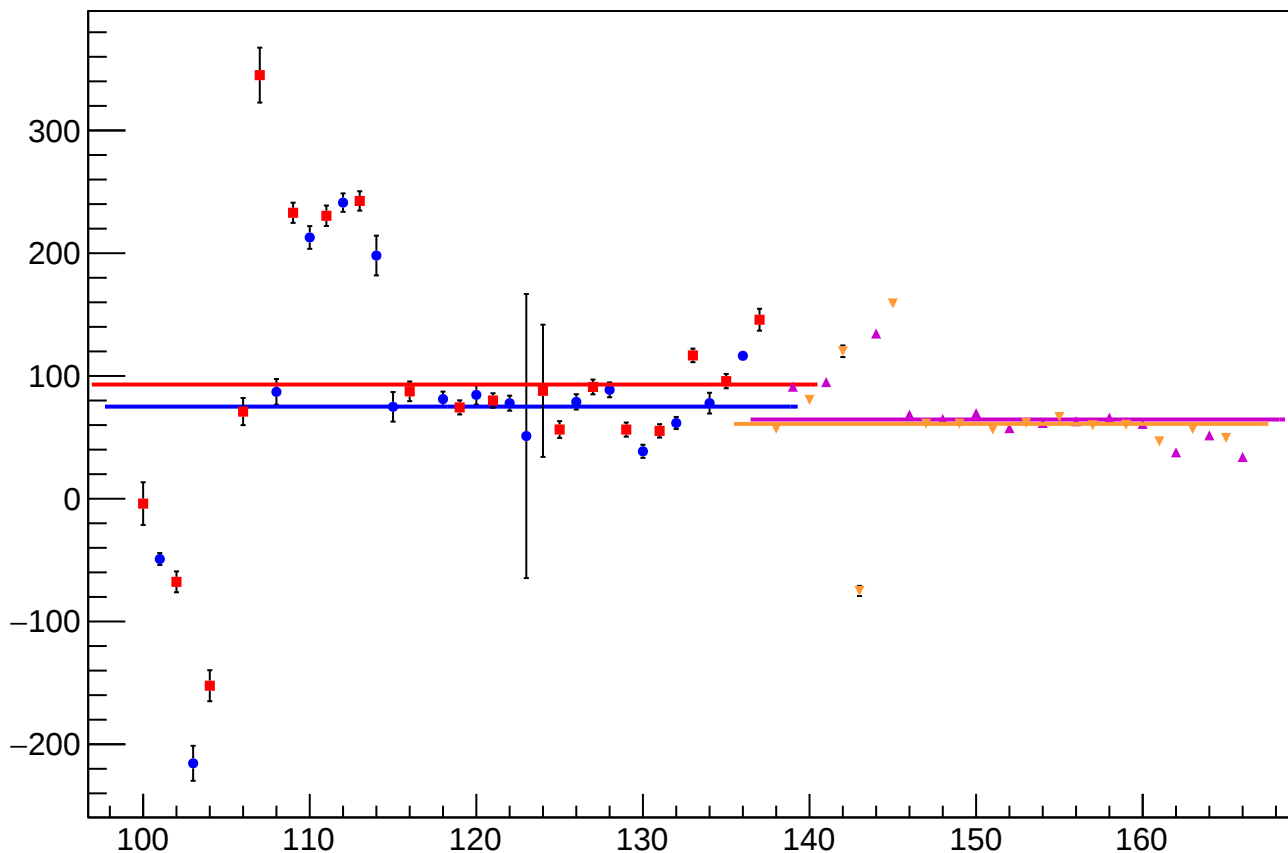
Right: 18.072 ± 0.620 $\chi^2/\text{NDF}: 766.4/35$

In: 10.252 ± 0.445 $\chi^2/\text{NDF}: 799.1/30$

Out: 10.000 ± 0.445 $\chi^2/\text{NDF}: 565.5/33$

All: 10.126 ± 0.315 $\chi^2/\text{NDF}: 1364.7/64$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 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: 64.543 $\pm$ 0.712 χ^2 /NDF: 957.1/13

Left: 62.776 $\pm$ 0.507 χ^2 /NDF: 3148.1/28

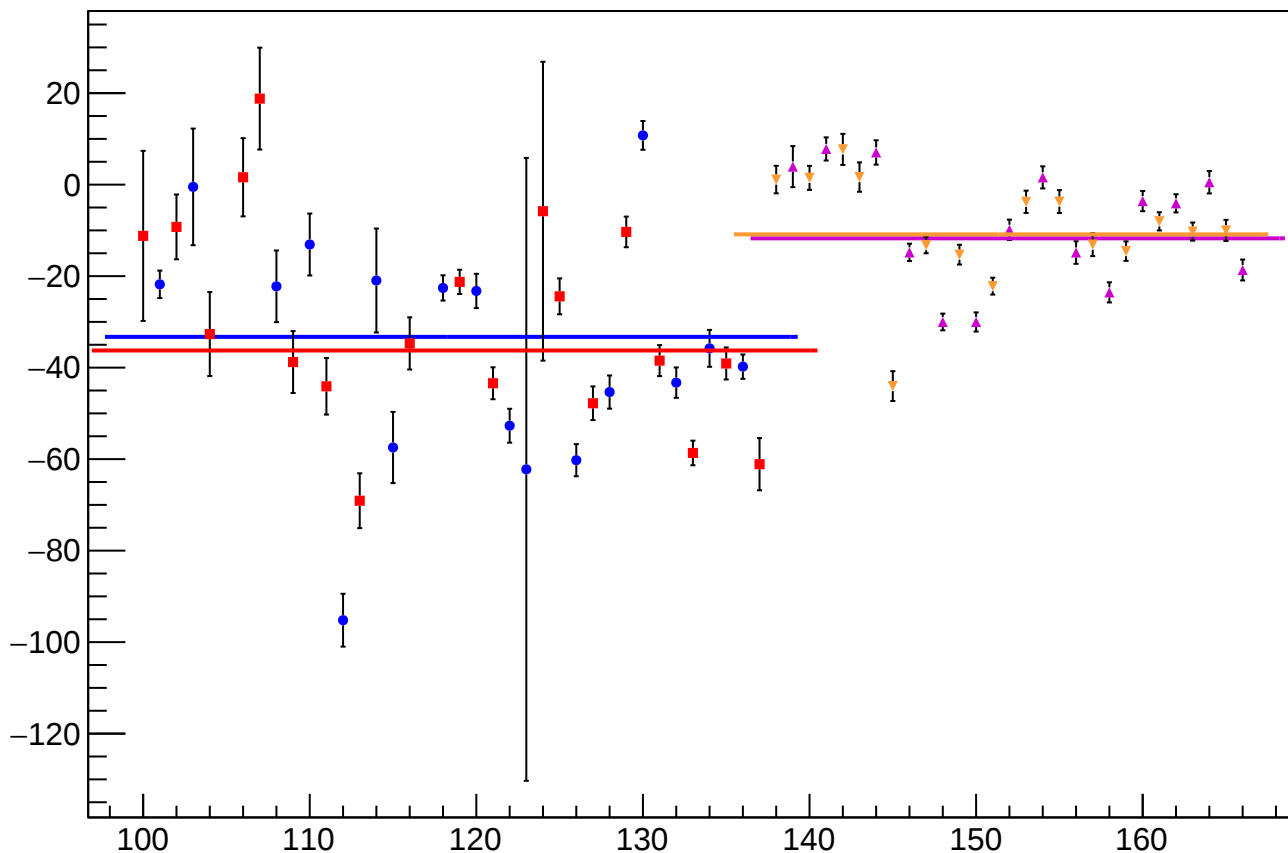
Right: 83.683 $\pm$ 1.187 χ^2 /NDF: 4060.7/35

In: 66.194 $\pm$ 0.653 χ^2 /NDF: 2991.0/30

Out: 65.802 $\pm$ 0.665 χ^2 /NDF: 4480.2/33

All: 66.002 $\pm$ 0.466 χ^2 /NDF: 7471.4/64

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -10.865 ± 0.602 χ^2/NDF : 253.1/14

Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

Left In: -11.735 ± 0.607 χ^2/NDF : 424.7/13

Left: -11.296 ± 0.427 χ^2/NDF : 678.8/28

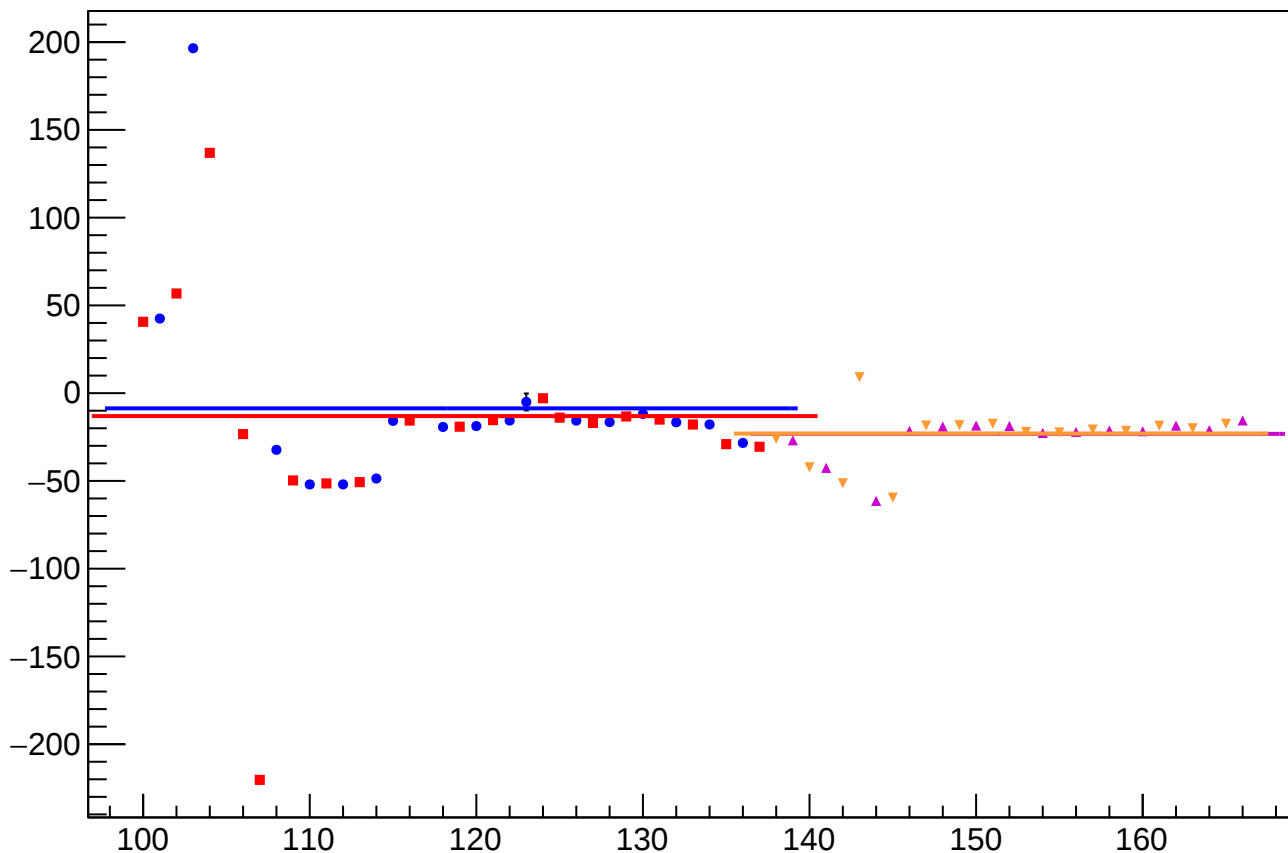
Right: -34.699 ± 0.709 χ^2/NDF : 791.4/35

In: -17.694 ± 0.517 χ^2/NDF : 1262.1/30

Out: -17.379 ± 0.519 χ^2/NDF : 1007.6/33

All: -17.537 ± 0.366 χ^2/NDF : 2269.9/64

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -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: -23.191 ± 0.028 $\chi^2/\text{NDF}: 106812.6/13$

Left: -23.112 ± 0.020 $\chi^2/\text{NDF}: 278084.9/28$

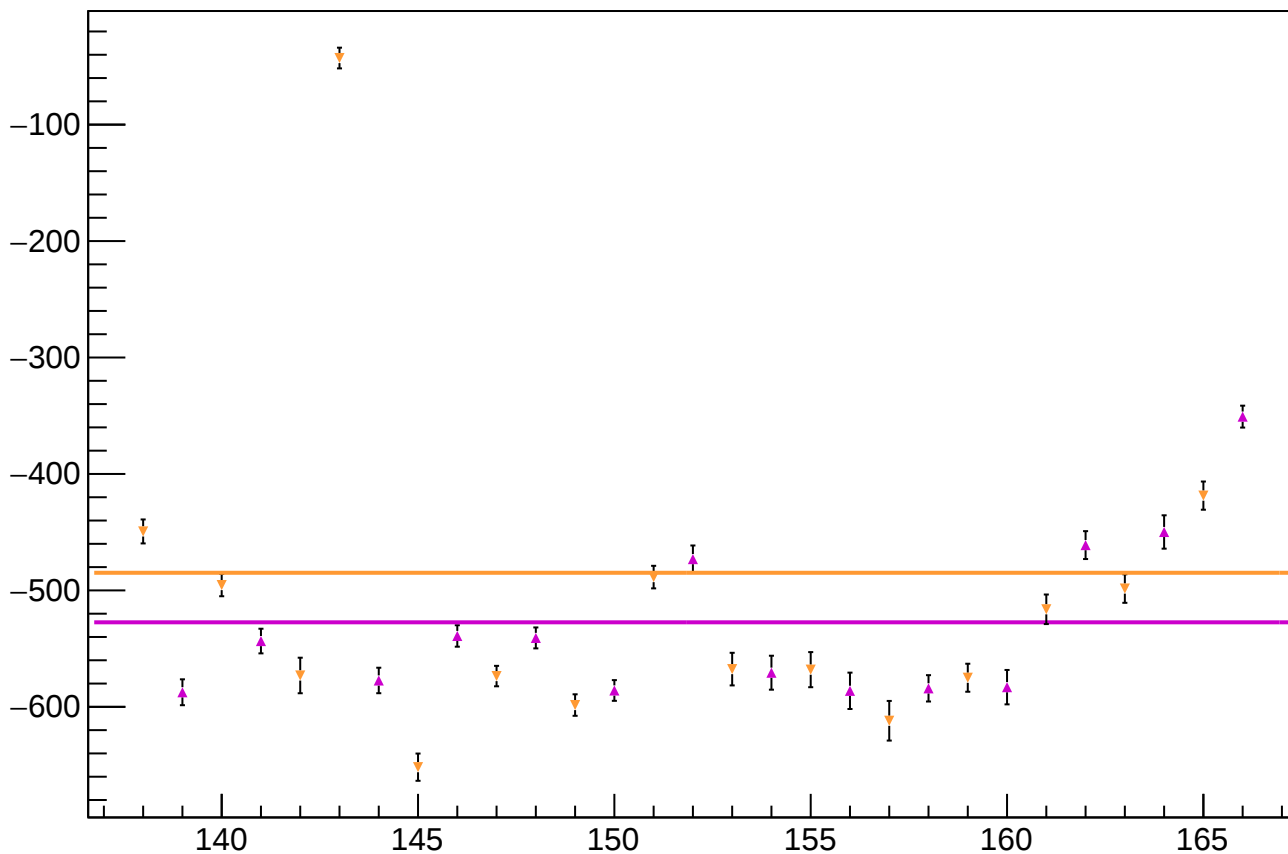
Right: -10.767 ± 0.043 $\chi^2/\text{NDF}: 1136731.7/35$

In: -20.506 ± 0.025 $\chi^2/\text{NDF}: 731890.2/30$

Out: -21.303 ± 0.026 $\chi^2/\text{NDF}: 750996.6/33$

All: -20.899 ± 0.018 $\chi^2/\text{NDF}: 1483371.2/64$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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: -527.405+/-2.964 χ^2/NDF :595.9/13

Left: -505.621+/-2.071 χ^2/NDF : 3887.0/28

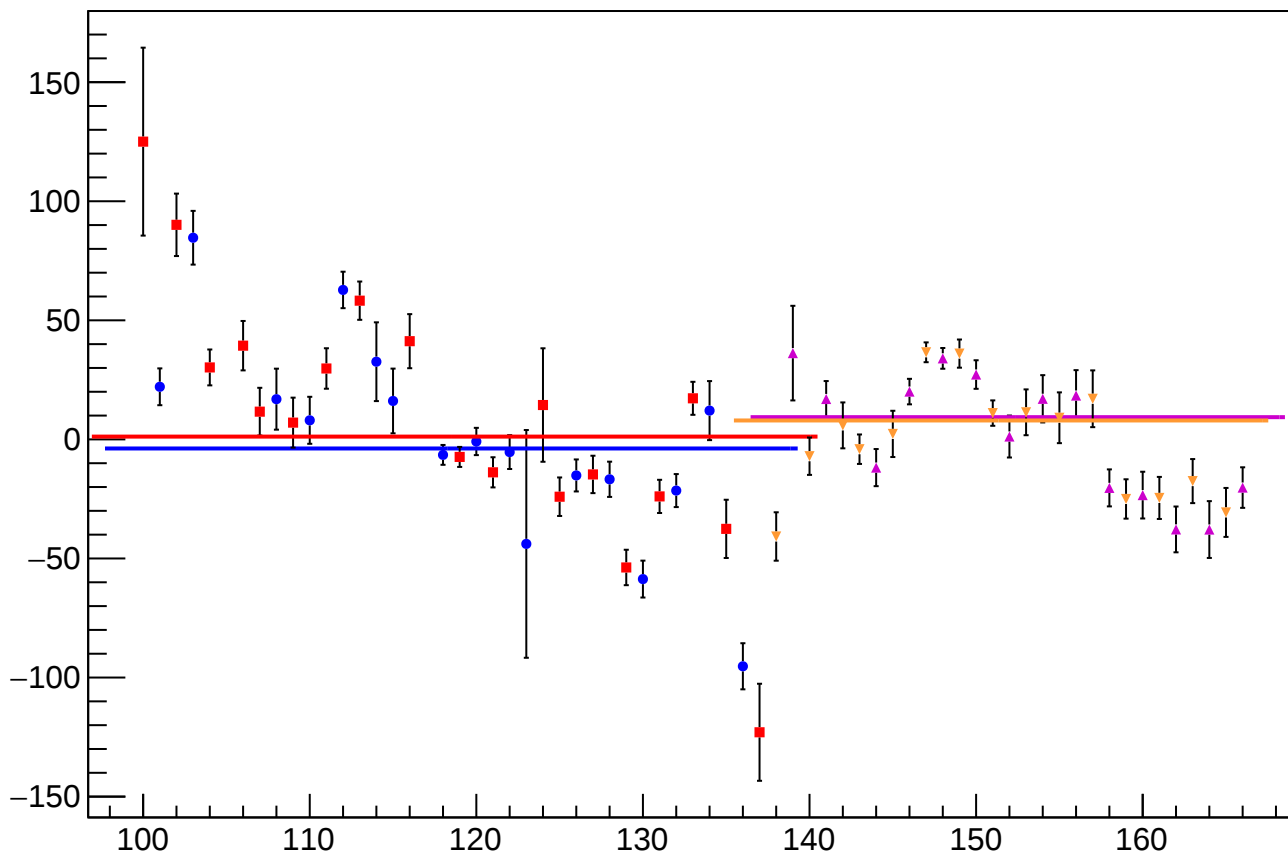
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -527.405+/-2.964 χ^2/NDF :595.9/13

Out: -484.861+/-2.894 χ^2/NDF :3185.6/14

All: -505.621+/-2.071 χ^2/NDF : 3887.0/28

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 9.336 ± 2.031 χ^2/NDF : 135.0/13

Left: 8.605 ± 1.397 χ^2/NDF : 288.1/28

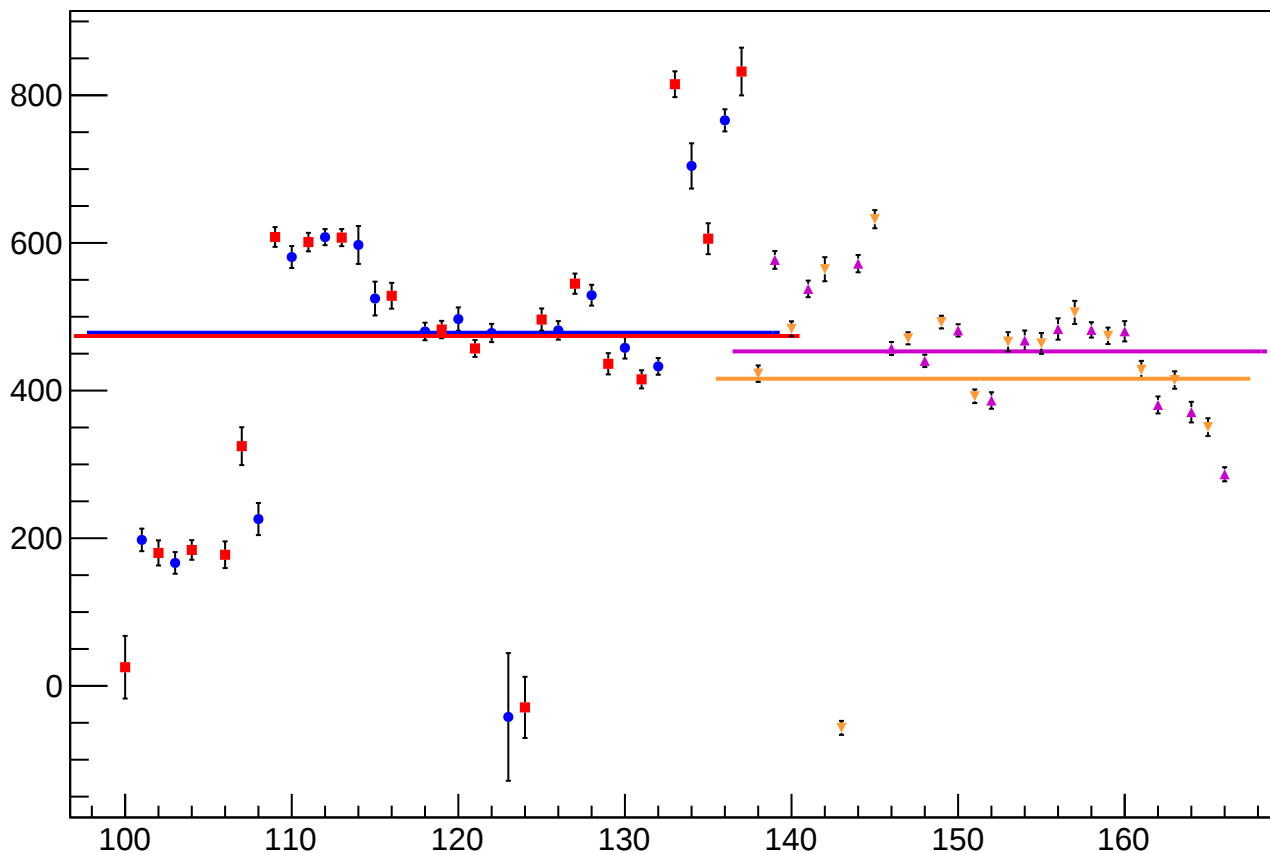
Right: -1.308 ± 1.356 χ^2/NDF : 621.6/35

In: 2.401 ± 1.396 χ^2/NDF : 471.4/30

Out: 4.545 ± 1.357 χ^2/NDF : 463.0/33

All: 3.503 ± 0.973 χ^2/NDF : 935.6/64

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 416.041 $\pm$ 2.851 χ^2 /NDF:3161.2/14

Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

Left In: 453.043 $\pm$ 2.890 χ^2 /NDF:708.0/13

Left: 434.287 $\pm$ 2.030 χ^2 /NDF: 3952.3/28

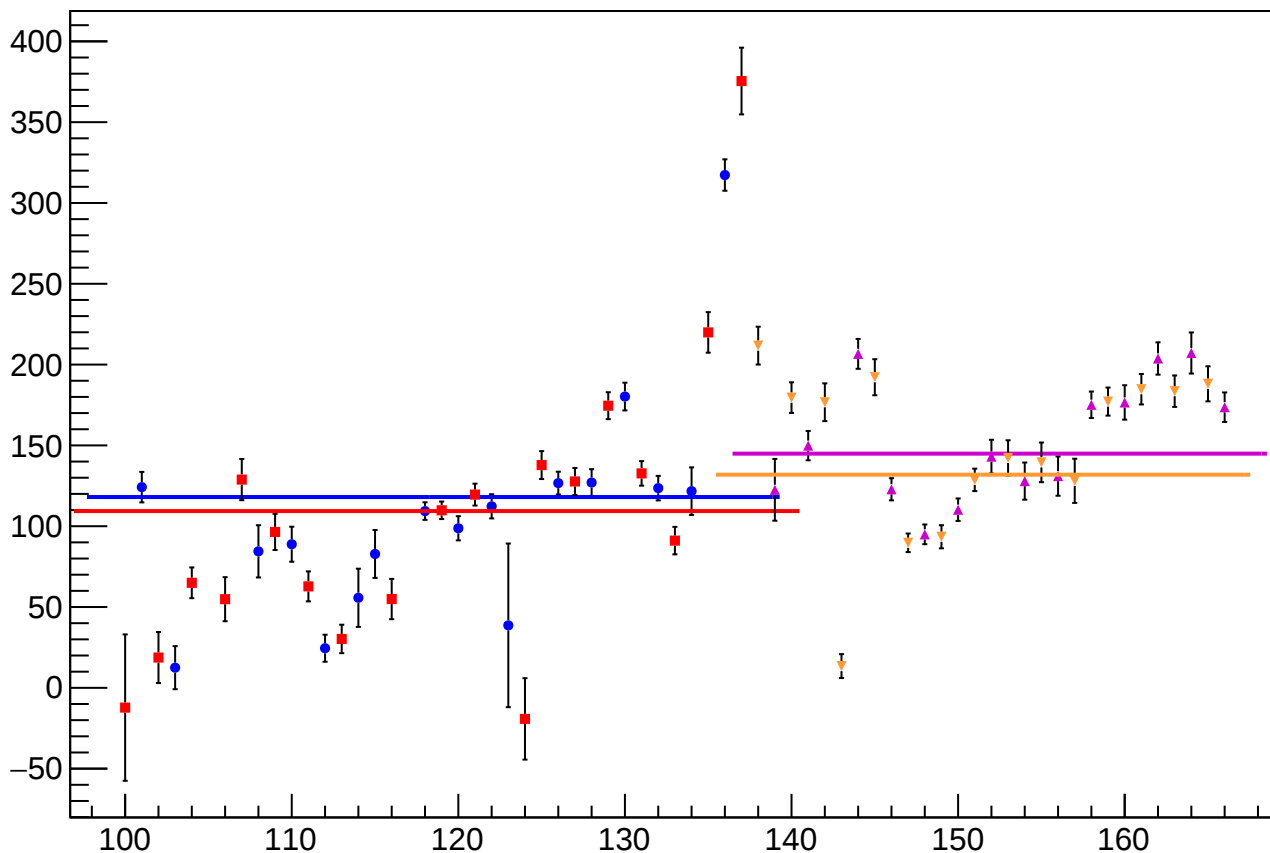
Right: 476.038 $\pm$ 2.542 χ^2 /NDF: 3914.6/35

In: 462.750 $\pm$ 2.269 χ^2 /NDF:2366.3/30

Out: 438.872 $\pm$ 2.218 χ^2 /NDF:5608.8/33

All: 450.542 $\pm$ 1.586 χ^2 /NDF: 8031.7/64

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 131.886 $\pm$ 2.314 χ^2 /NDF: 570.3/14

Right Out: 109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

Left In: 144.903 $\pm$ 2.419 χ^2 /NDF: 243.2/13

Left: 138.107 $\pm$ 1.672 χ^2 /NDF: 828.7/28

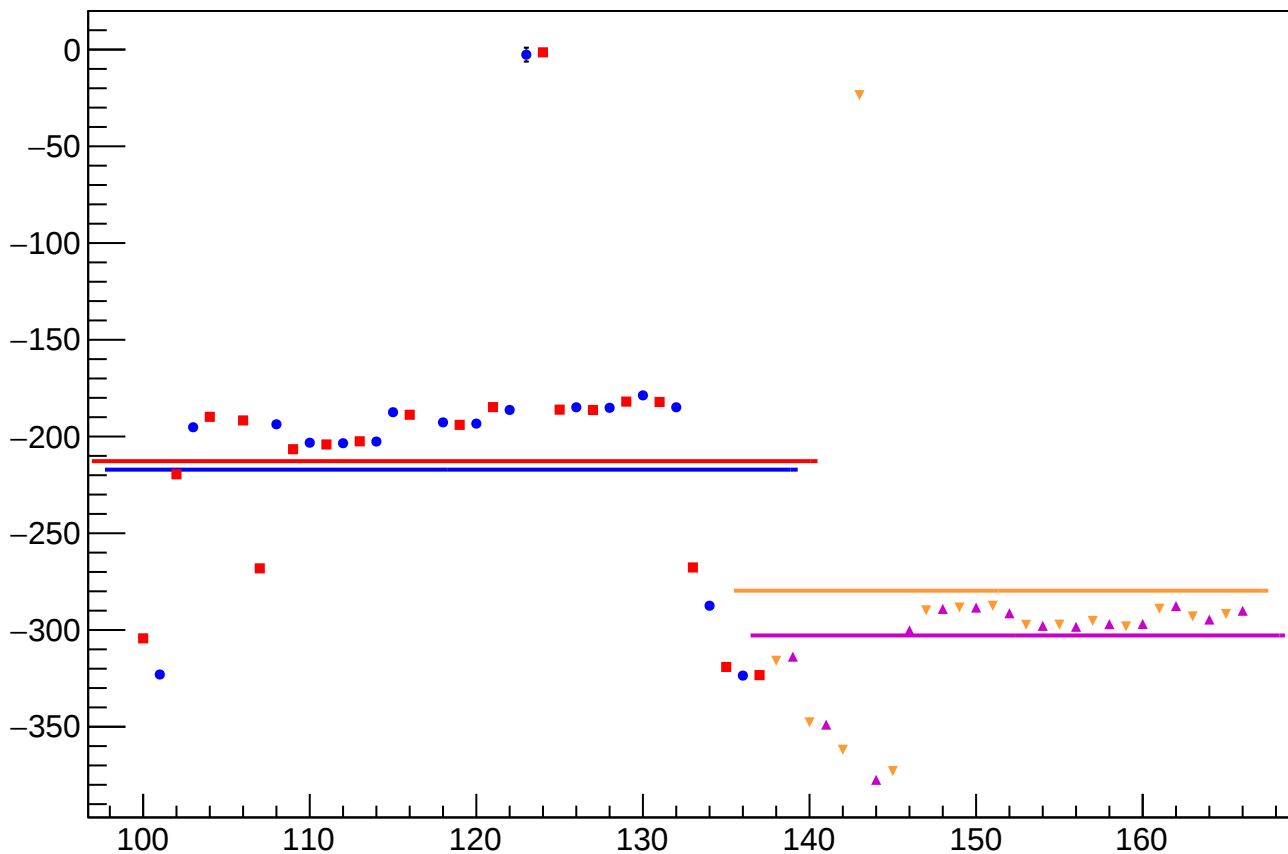
Right: 113.671 $\pm$ 1.566 χ^2 /NDF: 1282.8/35

In: 130.362 $\pm$ 1.638 χ^2 /NDF: 1015.3/30

Out: 120.081 $\pm$ 1.596 χ^2 /NDF: 1189.7/33

All: 125.090 $\pm$ 1.143 χ^2 /NDF: 2225.2/64

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -279.673 ± 0.115 $\chi^2/\text{NDF}: 545590.1/14$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

Left In: -302.814 ± 0.116 $\chi^2/\text{NDF}: 38691.7/13$

Left: -291.092 ± 0.082 $\chi^2/\text{NDF}: 604333.5/28$

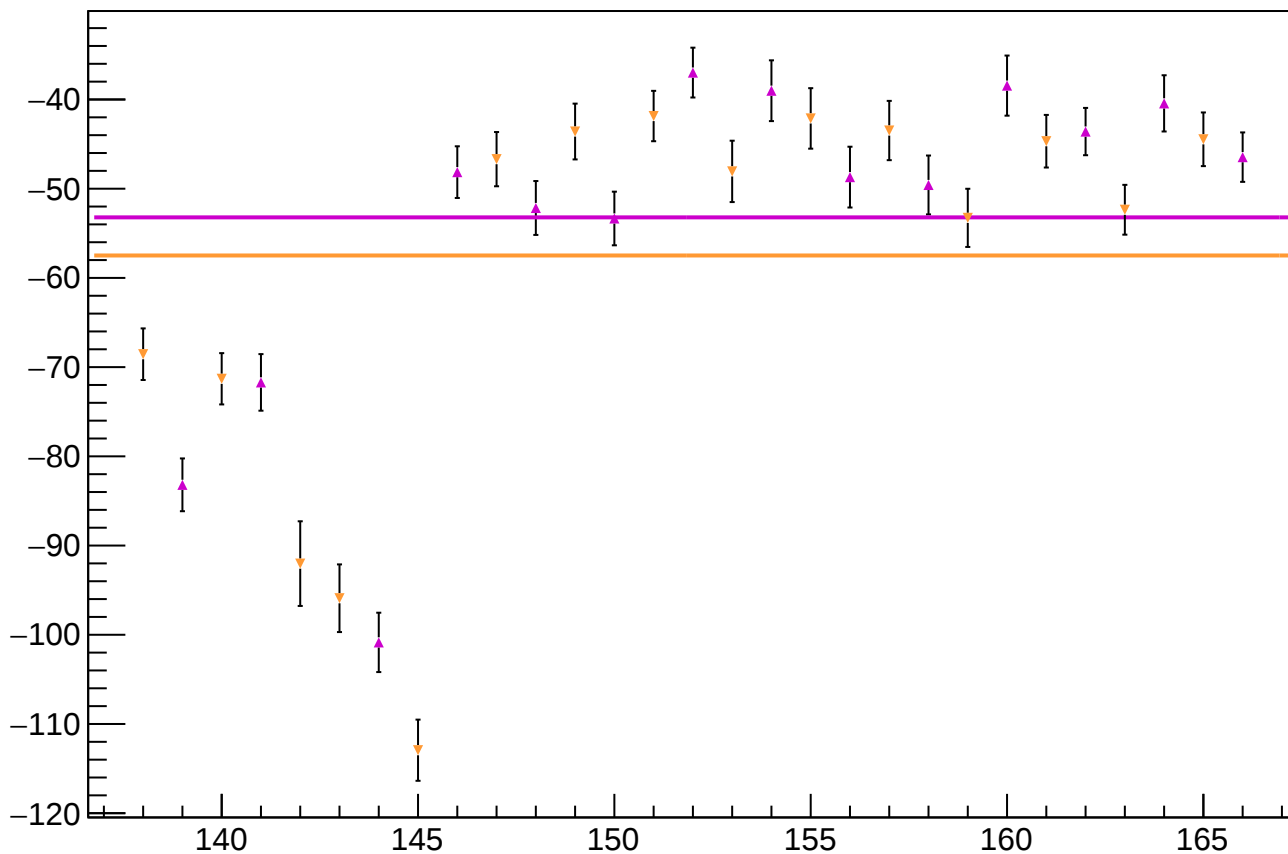
Right: -214.812 ± 0.094 $\chi^2/\text{NDF}: 262670.9/35$

In: -266.792 ± 0.089 $\chi^2/\text{NDF}: 413449.3/30$

Out: -250.380 ± 0.086 $\chi^2/\text{NDF}: 809979.0/33$

All: -258.356 ± 0.062 $\chi^2/\text{NDF}: 1241085.2/64$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



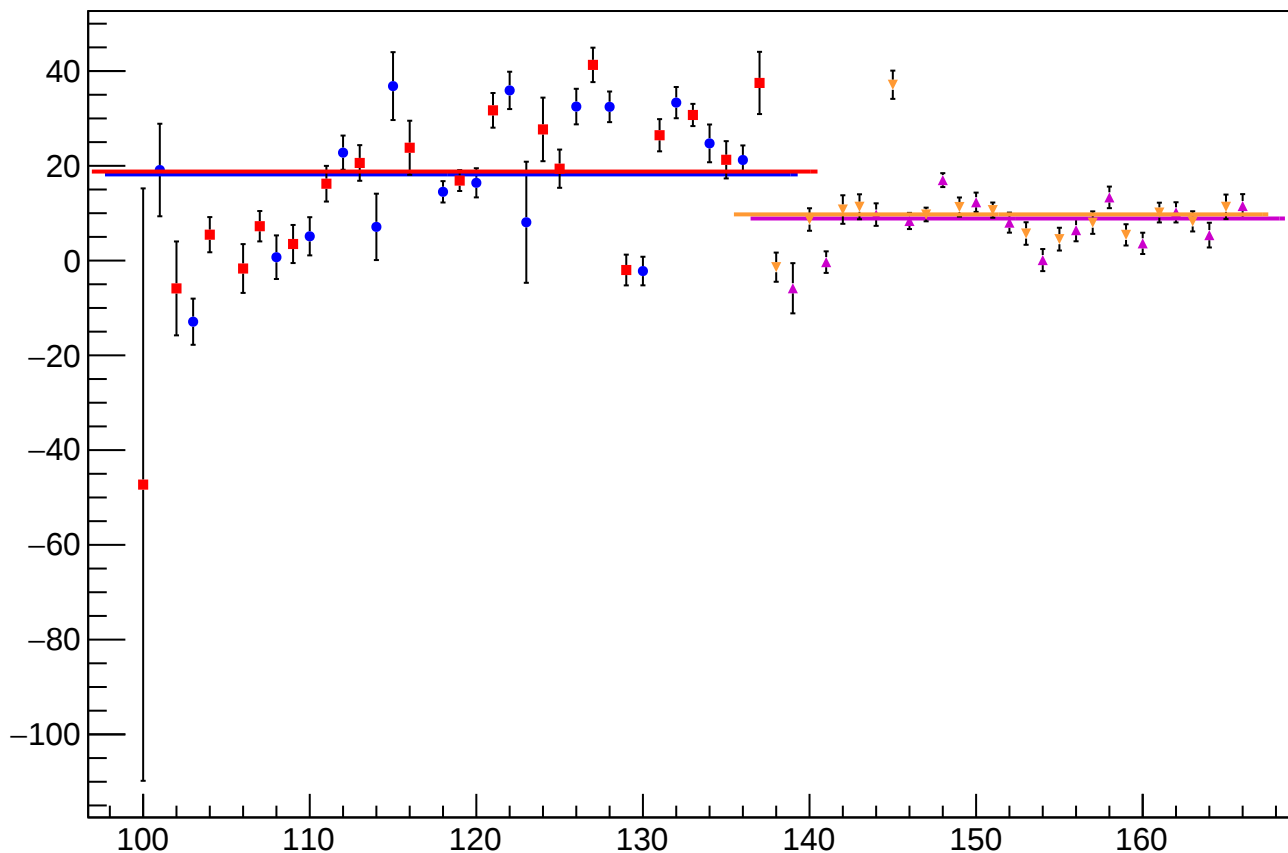
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -57.485+/-0.820 χ^2/NDF :606.5/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -53.214+/-0.817 χ^2/NDF :453.8/13

Left: -55.341+/-0.579 χ^2/NDF : 1073.9/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -53.214+/-0.817 χ^2/NDF :453.8/13
 Out: -57.485+/-0.820 χ^2/NDF :606.5/14

All: -55.341+/-0.579 χ^2/NDF : 1073.9/28

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.749 ± 0.569 χ^2/NDF : 111.7/14

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

Left In: 8.881 ± 0.582 χ^2/NDF : 85.5/13

Left: 9.325 ± 0.407 χ^2/NDF : 198.3/28

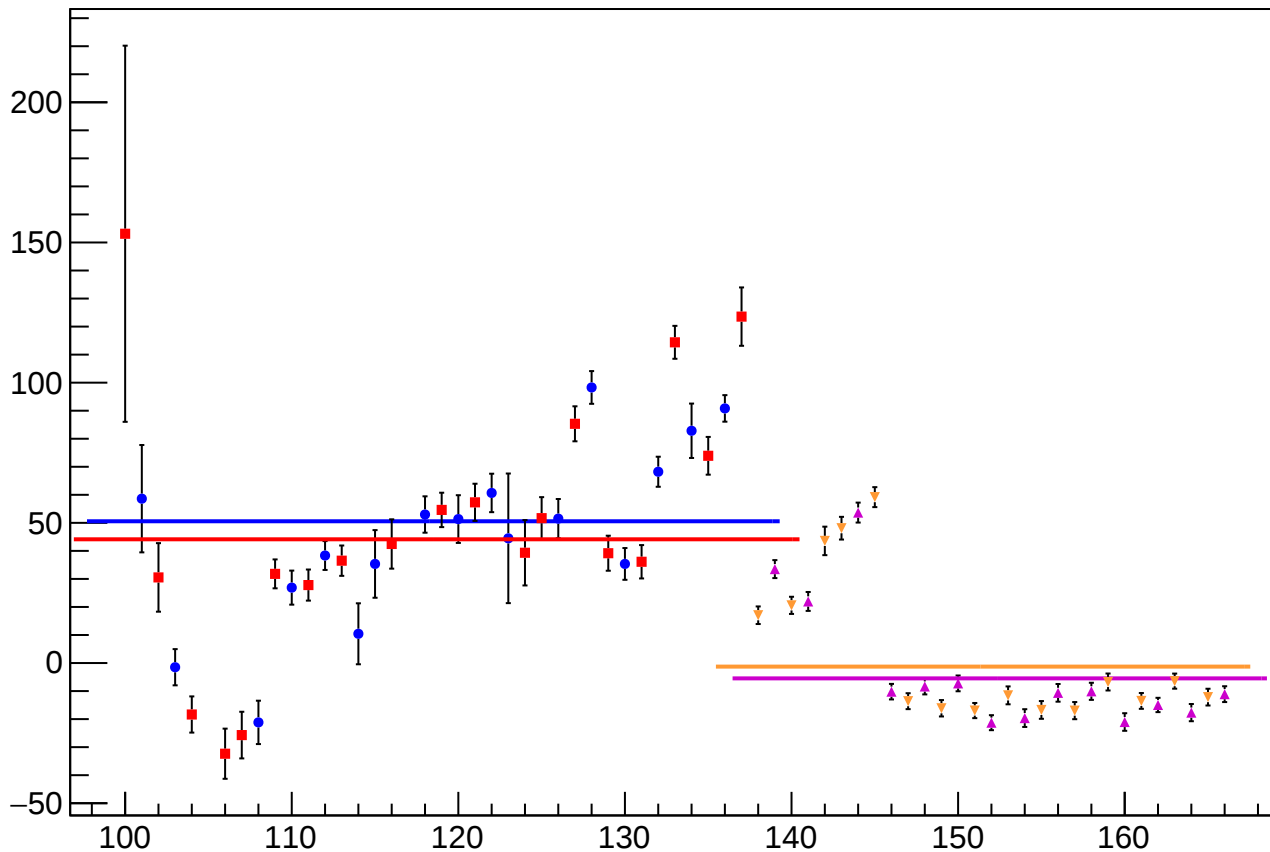
Right: 18.508 ± 0.628 χ^2/NDF : 403.9/35

In: 11.550 ± 0.491 χ^2/NDF : 363.8/30

Out: 12.487 ± 0.475 χ^2/NDF : 387.0/33

All: 12.034 ± 0.341 χ^2/NDF : 752.7/64

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -5.474 $\pm$ 0.796 χ^2 /NDF: 612.7/13

Left: -3.391 $\pm$ 0.565 χ^2 /NDF: 1404.3/28

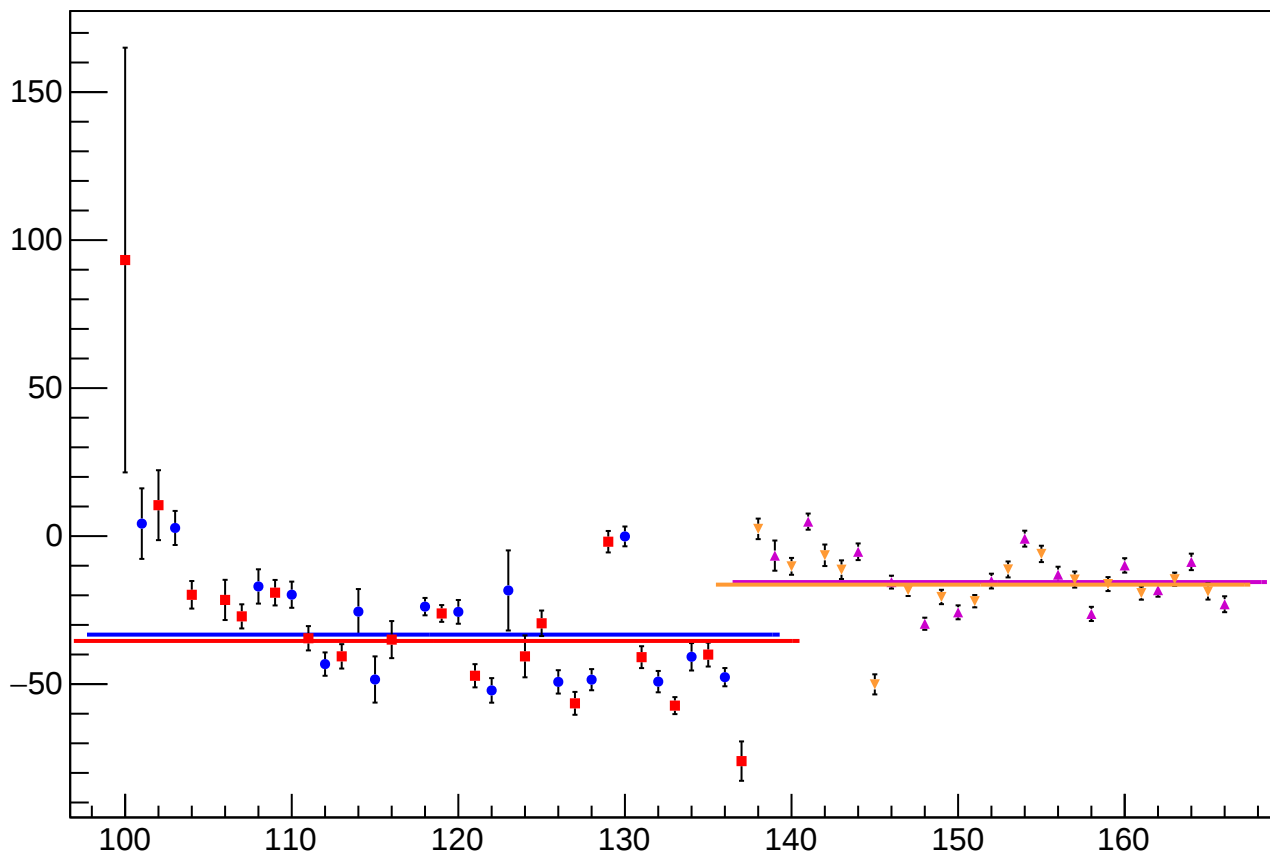
Right: 47.201 $\pm$ 1.159 χ^2 /NDF: 898.2/35

In: 4.814 $\pm$ 0.719 χ^2 /NDF: 1881.6/30

Out: 7.821 $\pm$ 0.717 χ^2 /NDF: 1952.4/33

All: 6.321 $\pm$ 0.508 χ^2 /NDF: 3842.8/64

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 $\chi^2/\text{NDF}: 290.1/16$

Left Out: -16.391 ± 0.668 $\chi^2/\text{NDF}: 174.7/14$

Right Out: -35.417 ± 0.991 $\chi^2/\text{NDF}: 289.7/18$

Left In: -15.528 ± 0.678 $\chi^2/\text{NDF}: 209.4/13$

Left: -15.966 ± 0.476 $\chi^2/\text{NDF}: 385.0/28$

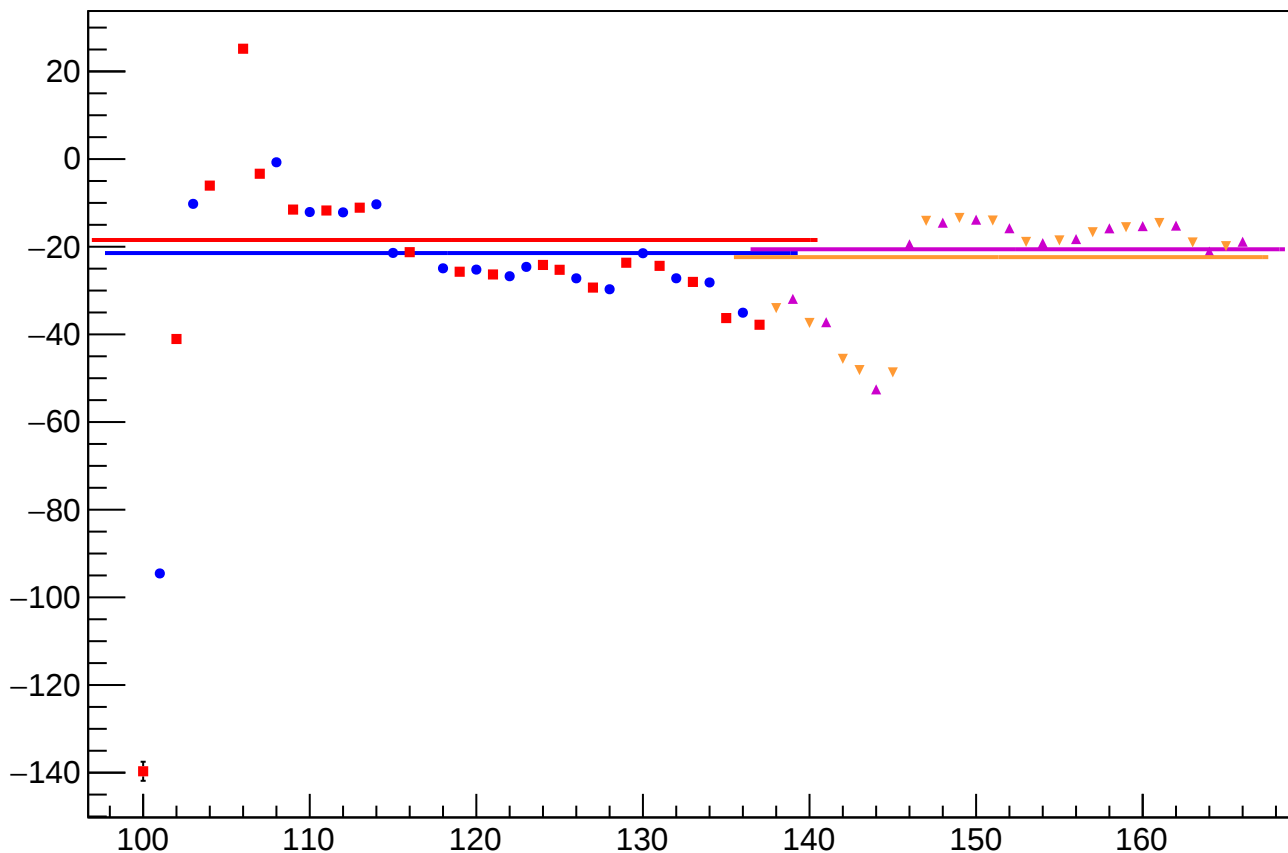
Right: -34.404 ± 0.719 $\chi^2/\text{NDF}: 582.0/35$

In: -20.795 ± 0.568 $\chi^2/\text{NDF}: 703.1/30$

Out: -22.330 ± 0.554 $\chi^2/\text{NDF}: 717.9/33$

All: -21.582 ± 0.397 $\chi^2/\text{NDF}: 1424.7/64$

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -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: -20.578 ± 0.031 $\chi^2/\text{NDF}: 82871.3/13$

Left: -21.473 ± 0.022 $\chi^2/\text{NDF}: 209477.3/28$

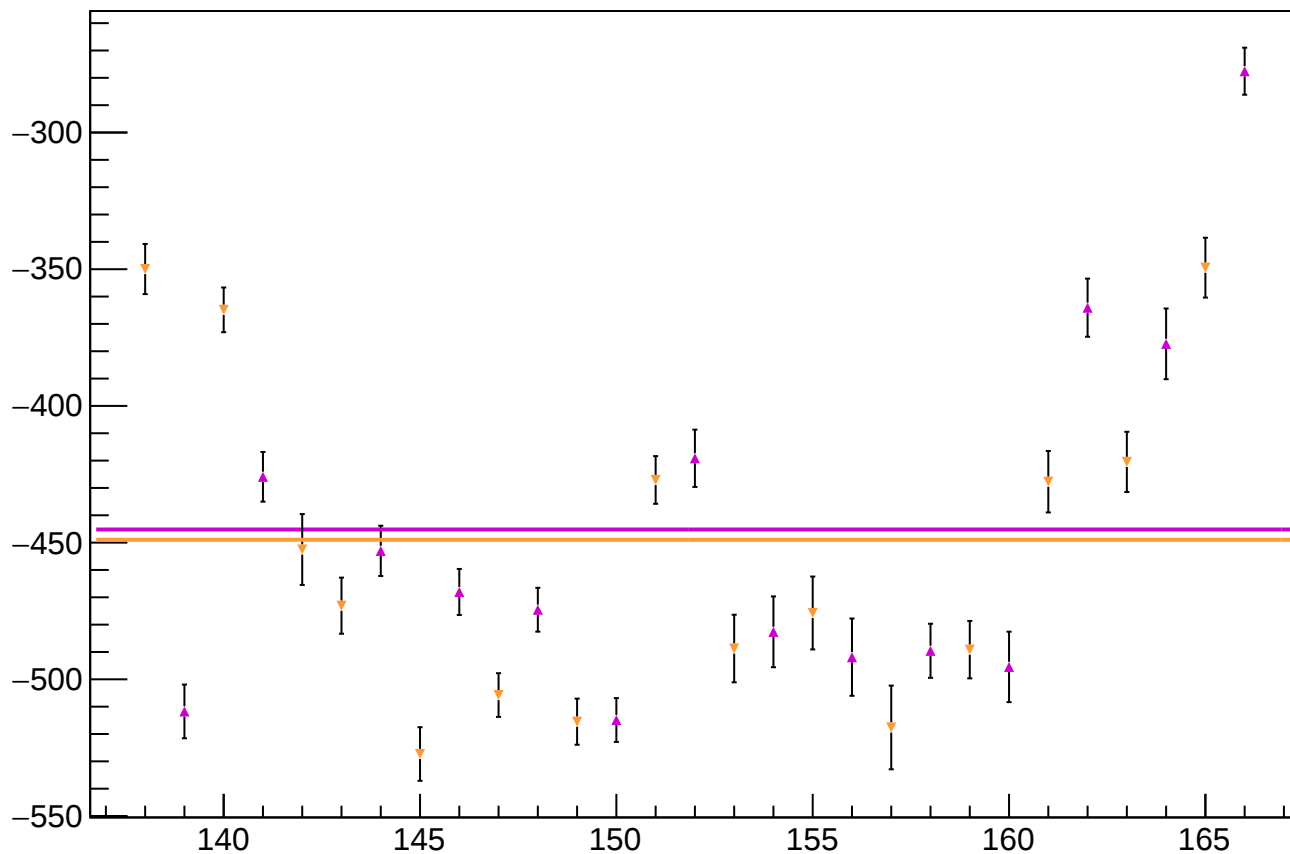
Right: -19.914 ± 0.041 $\chi^2/\text{NDF}: 130751.2/35$

In: -20.769 ± 0.028 $\chi^2/\text{NDF}: 132007.2/30$

Out: -21.469 ± 0.028 $\chi^2/\text{NDF}: 209013.3/33$

All: -21.120 ± 0.020 $\chi^2/\text{NDF}: 341341.2/64$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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: -445.204+/-2.634 χ^2/NDF :673.3/13

Left: -447.088+/-1.858 χ^2/NDF : 1227.3/28

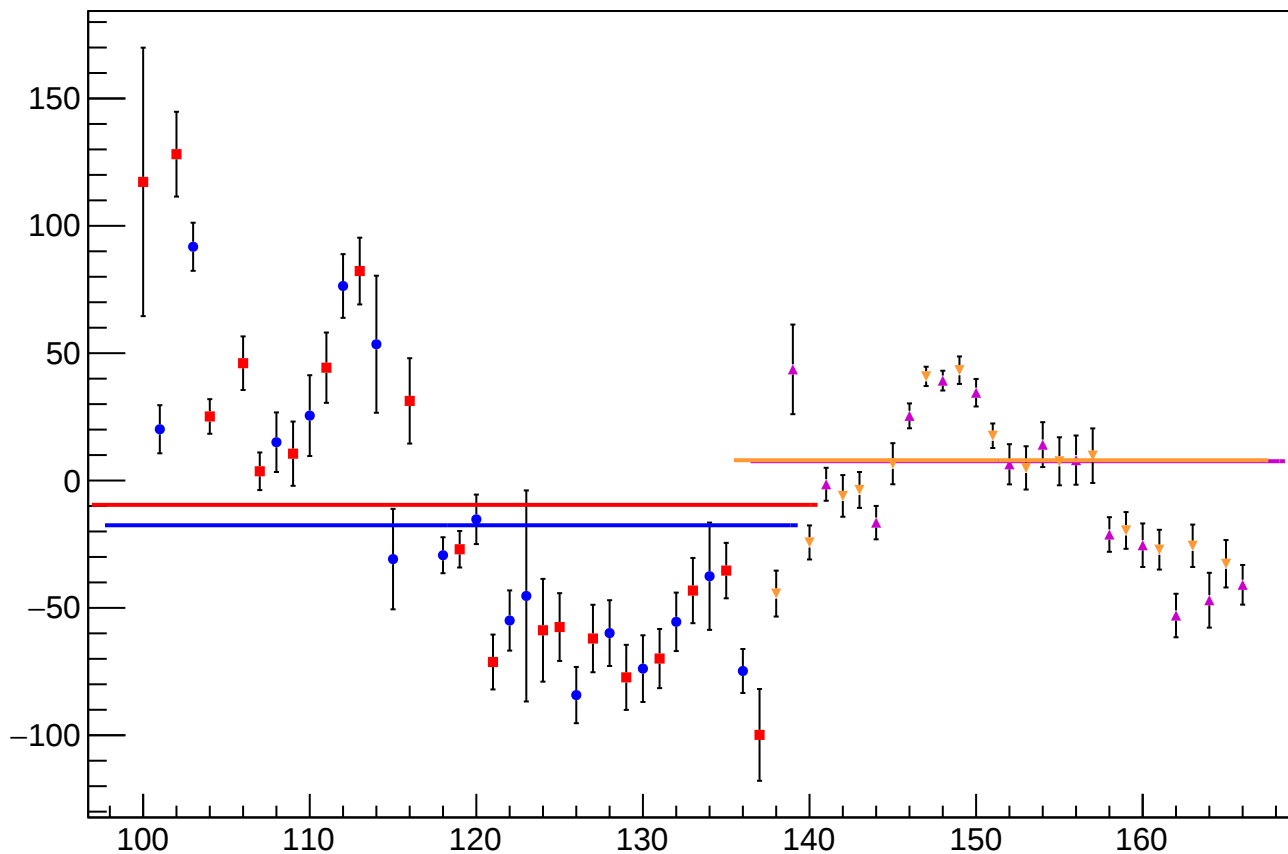
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -445.204+/-2.634 χ^2/NDF :673.3/13

Out: -448.953+/-2.621 χ^2/NDF :553.0/14

All: -447.088+/-1.858 χ^2/NDF : 1227.3/28

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: 7.973 ± 1.747 $\chi^2/\text{NDF}: 255.6/14$

Right Out: -9.547 ± 2.609 $\chi^2/\text{NDF}: 370.3/18$

Left In: 7.588 ± 1.806 $\chi^2/\text{NDF}: 272.3/13$

Left: 7.787 ± 1.256 $\chi^2/\text{NDF}: 527.9/28$

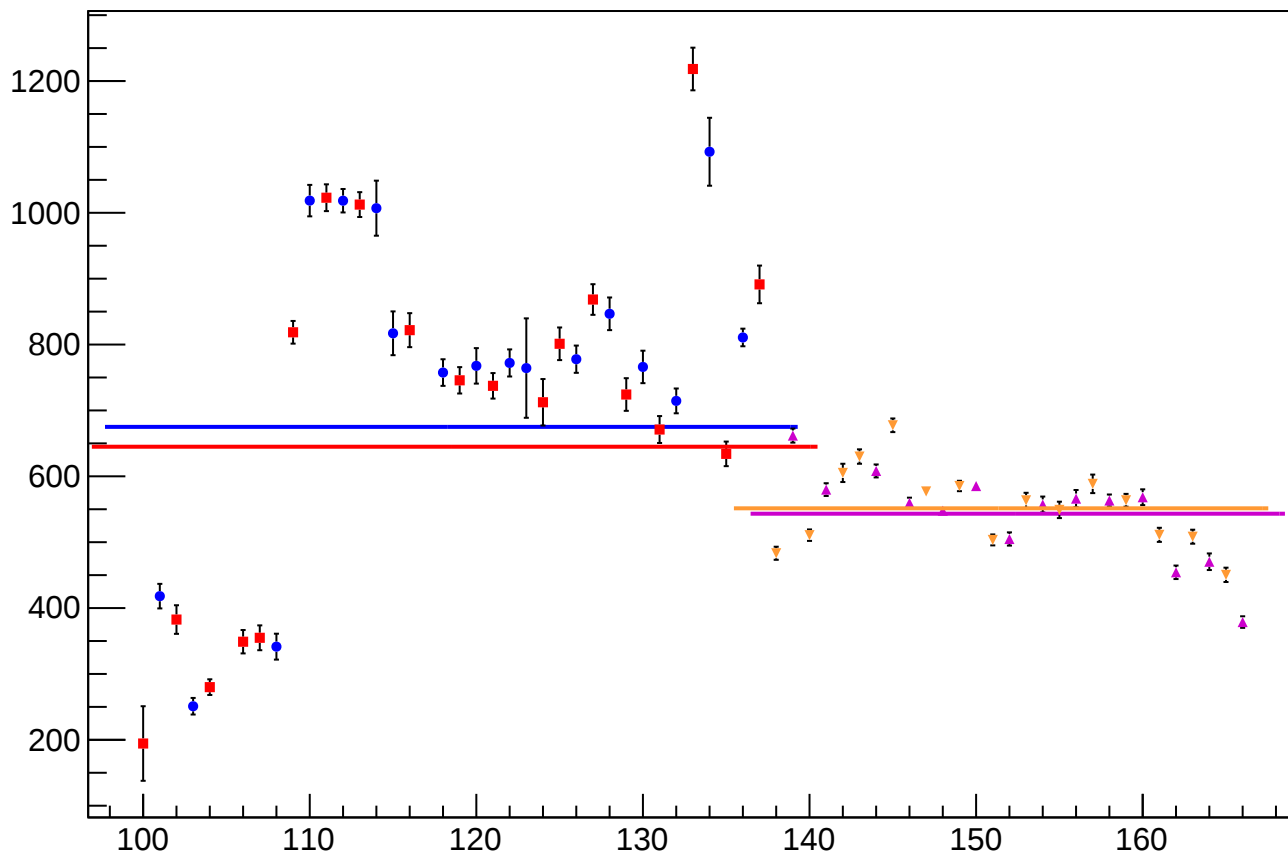
Right: -13.243 ± 1.915 $\chi^2/\text{NDF}: 738.4/35$

In: 0.273 ± 1.521 $\chi^2/\text{NDF}: 692.4/30$

Out: 2.550 ± 1.451 $\chi^2/\text{NDF}: 657.0/33$

All: 1.465 ± 1.050 $\chi^2/\text{NDF}: 1350.6/64$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 $\pm$ 5.067 χ^2/NDF : 2584.3/16

Left Out: 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: 543.236 $\pm$ 2.571 χ^2/NDF : 706.9/13

Left: 547.315 $\pm$ 1.821 χ^2/NDF : 1186.0/28

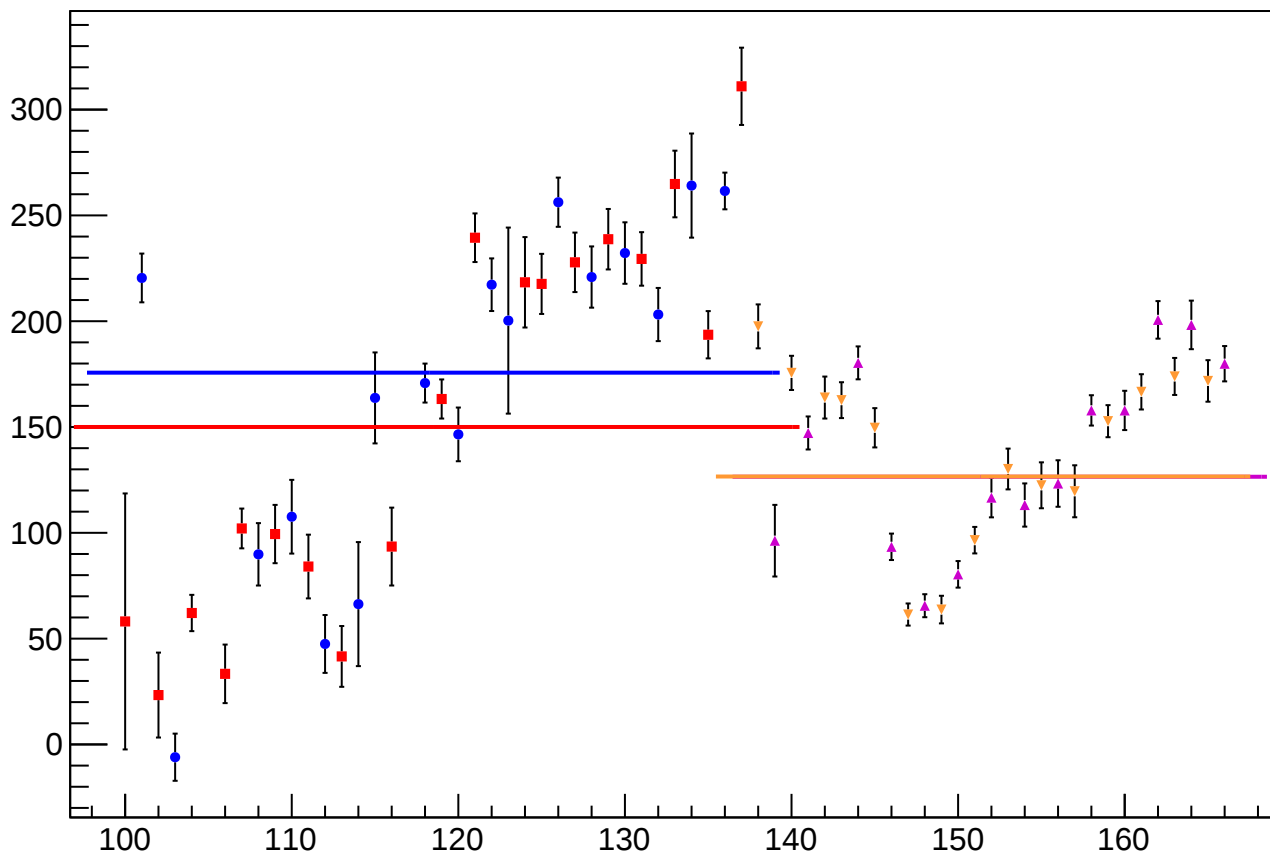
Right: 659.042 $\pm$ 3.470 χ^2/NDF : 5725.3/35

In: 570.221 $\pm$ 2.293 χ^2/NDF : 3829.3/30

Out: 572.617 $\pm$ 2.267 χ^2/NDF : 3894.4/33

All: 571.433 $\pm$ 1.612 χ^2/NDF : 7724.3/64

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 126.498 ± 2.150 χ^2/NDF : 449.3/13

Left: 126.556 ± 1.502 χ^2/NDF : 928.8/28

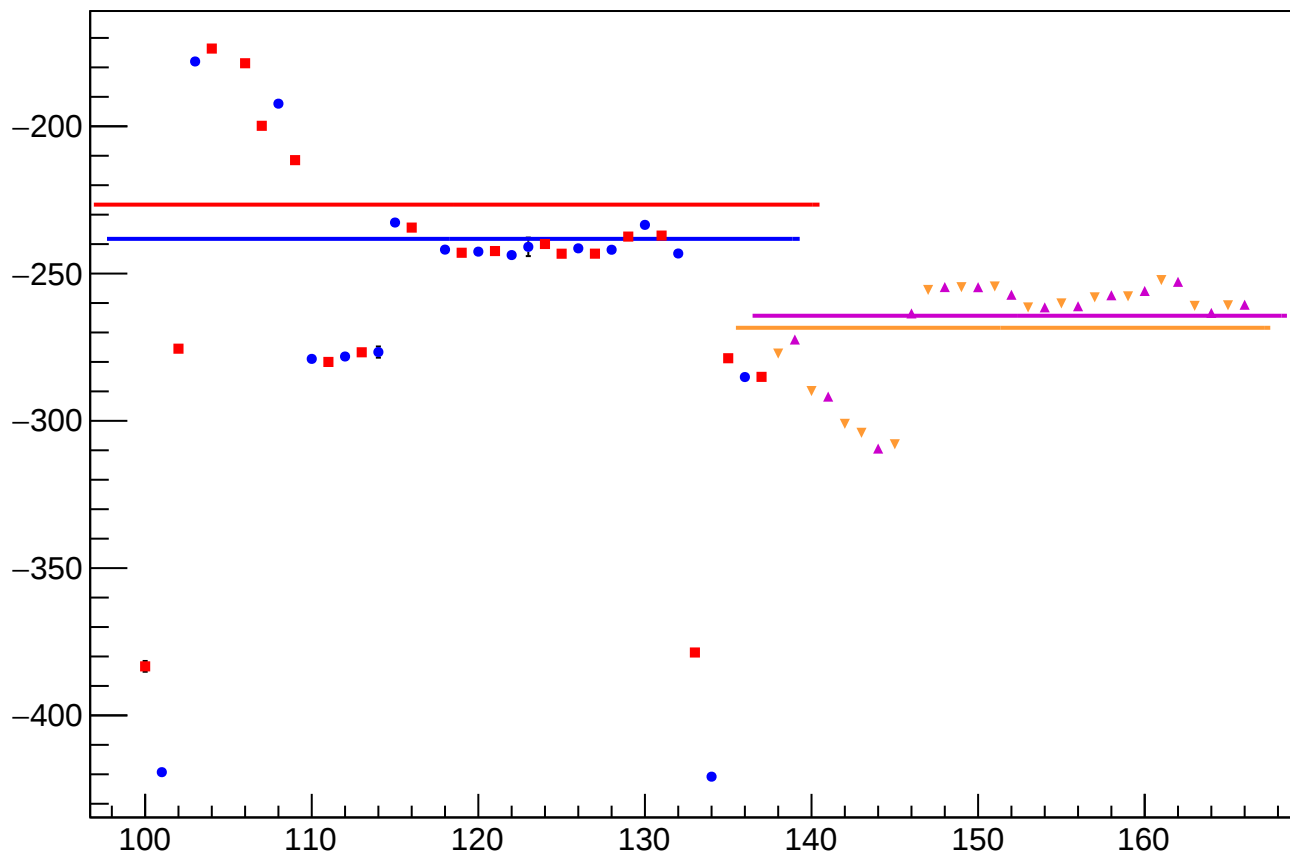
Right: 162.048 ± 2.217 χ^2/NDF : 1365.0/35

In: 141.540 ± 1.791 χ^2/NDF : 1247.3/30

Out: 134.159 ± 1.727 χ^2/NDF : 1213.4/33

All: 137.716 ± 1.243 χ^2/NDF : 2469.5/64

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -268.408+/-0.104 χ^2/NDF : 31839.9/14

Right Out: -226.597+/-0.151 χ^2/NDF : 102562.3/18

Left In: -264.320+/-0.103 χ^2/NDF : 20352.3/13

Left: -266.356+/-0.073 χ^2/NDF : 52971.4/28

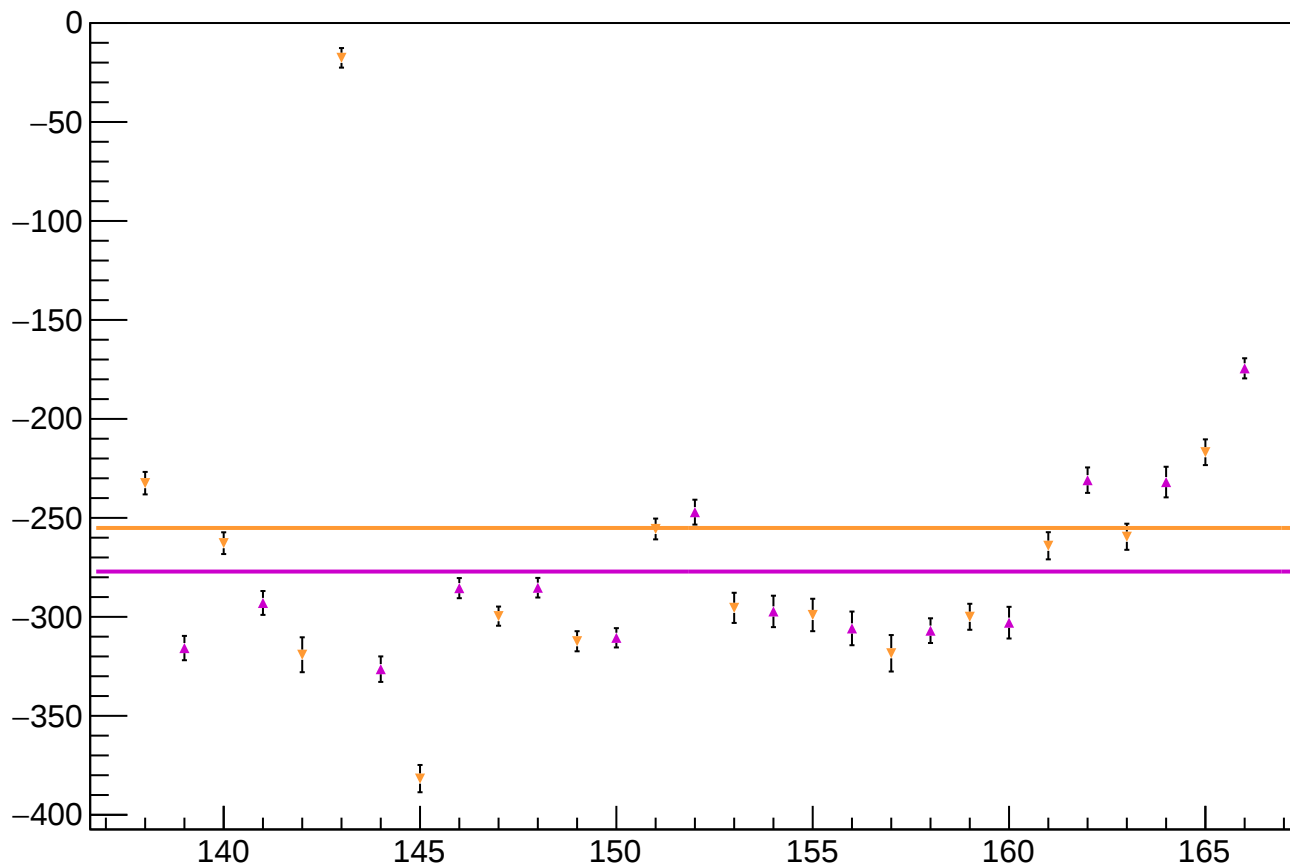
Right: -232.063+/-0.110 χ^2/NDF : 272459.7/35

In: -256.665+/-0.087 χ^2/NDF : 206176.1/30

Out: -255.023+/-0.086 χ^2/NDF : 186371.4/33

All: -255.832+/-0.061 χ^2/NDF : 392728.9/64

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -277.112+/-1.632 χ^2/NDF :724.6/13

Left: -265.868+/-1.142 χ^2/NDF : 3930.3/28

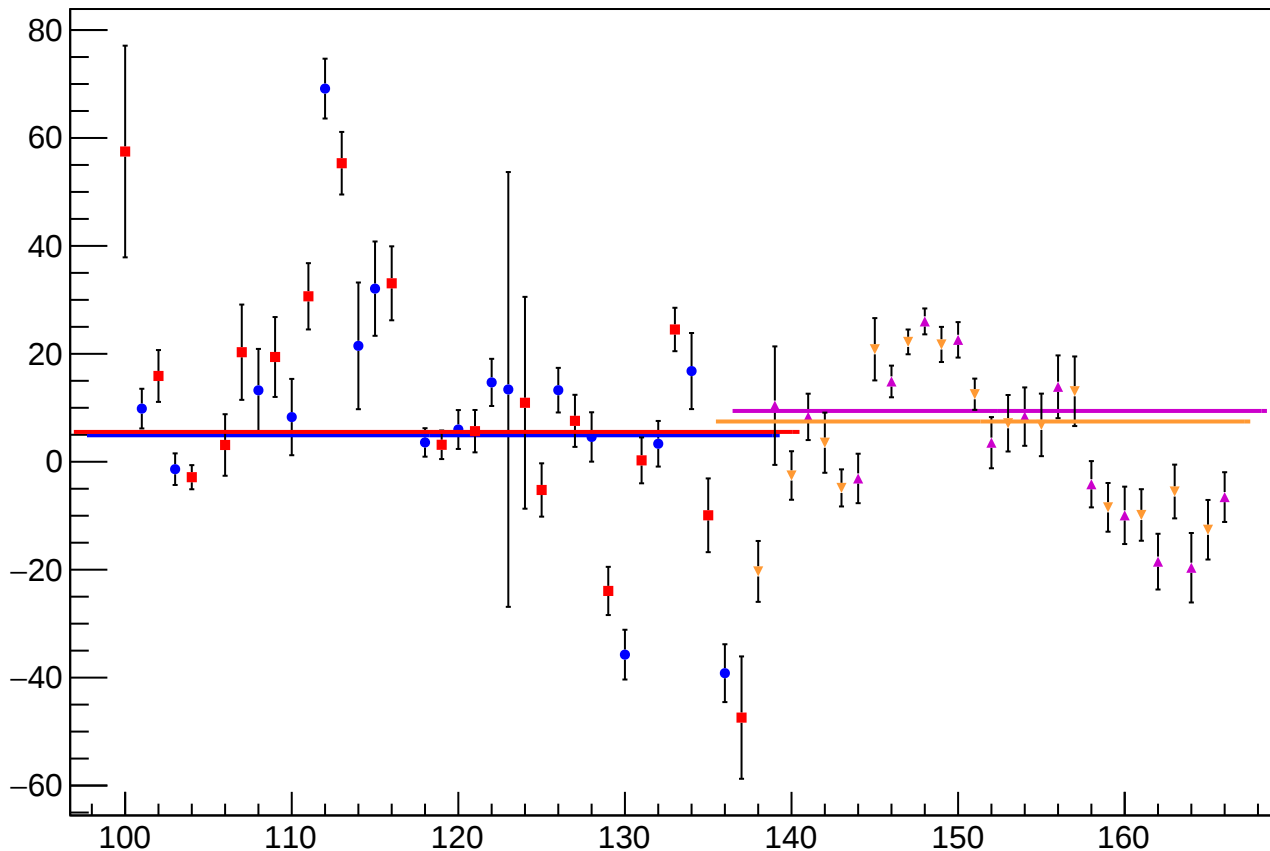
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -277.112+/-1.632 χ^2/NDF :724.6/13

Out: -255.089+/-1.598 χ^2/NDF :3112.8/14

All: -265.868+/-1.142 χ^2/NDF : 3930.3/28

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: 7.461 ± 1.061 $\chi^2/\text{NDF}: 157.8/14$

Right Out: 5.530 ± 1.069 $\chi^2/\text{NDF}: 238.9/18$

Left In: 9.416 ± 1.119 $\chi^2/\text{NDF}: 161.9/13$

Left: 8.387 ± 0.770 $\chi^2/\text{NDF}: 321.3/28$

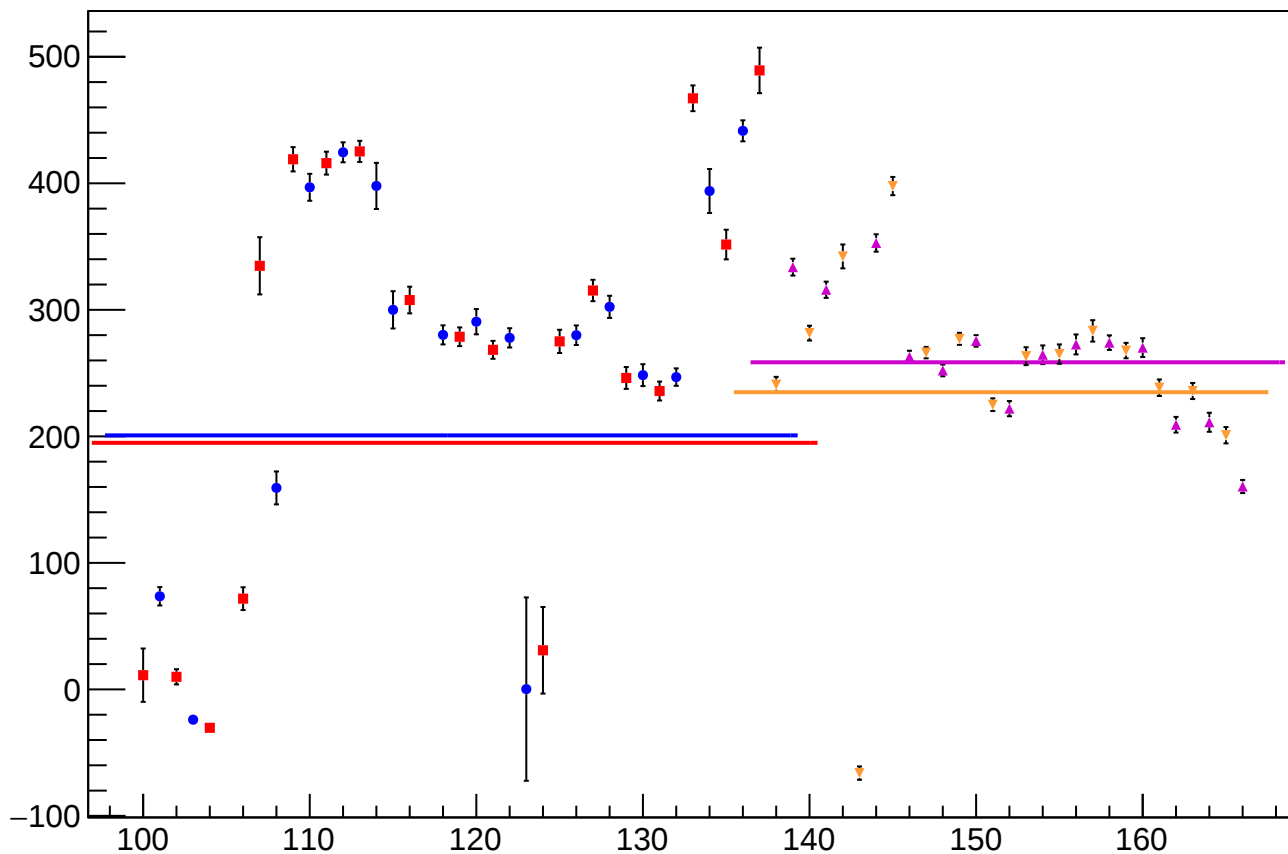
Right: 5.228 ± 0.768 $\chi^2/\text{NDF}: 550.7/35$

In: 7.133 ± 0.786 $\chi^2/\text{NDF}: 481.8/30$

Out: 6.502 ± 0.753 $\chi^2/\text{NDF}: 398.4/33$

All: 6.804 ± 0.544 $\chi^2/\text{NDF}: 880.5/64$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 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: 258.541 $\pm$ 1.589 χ^2 /NDF: 923.8/13

Left: 246.591 $\pm$ 1.117 χ^2 /NDF: 5241.7/28

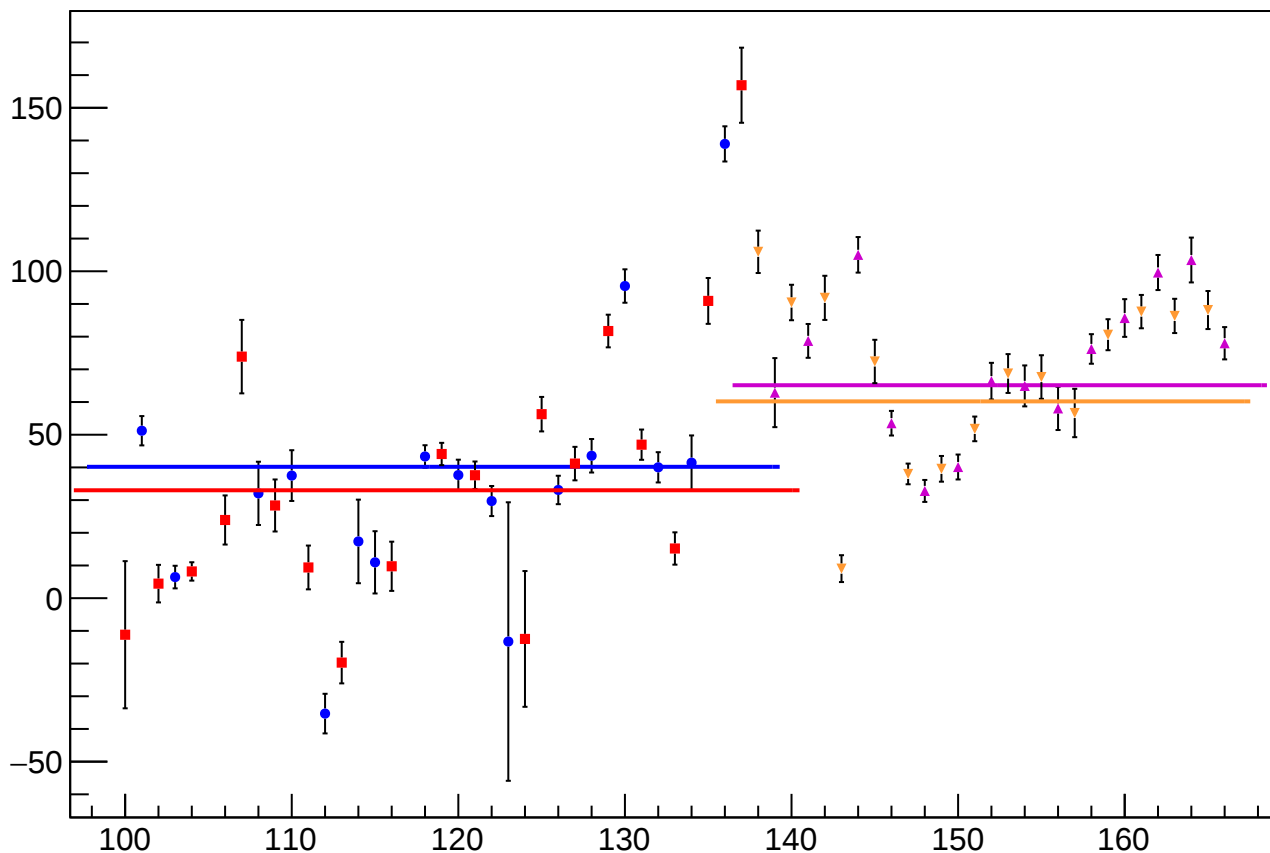
Right: 197.743 $\pm$ 1.381 χ^2 /NDF: 14984.6/35

In: 235.951 $\pm$ 1.240 χ^2 /NDF: 8173.5/30

Out: 218.897 $\pm$ 1.217 χ^2 /NDF: 12712.8/33

All: 227.263 $\pm$ 0.869 χ^2 /NDF: 20982.6/64

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185+/-1.283 χ^2/NDF : 734.6/16

Left Out: 60.201+/-1.276 χ^2/NDF : 441.9/14

Right Out: 33.006+/-1.250 χ^2/NDF : 552.7/18

Left In: 65.140+/-1.331 χ^2/NDF : 305.1/13

Left: 62.565+/-0.921 χ^2/NDF : 754.2/28

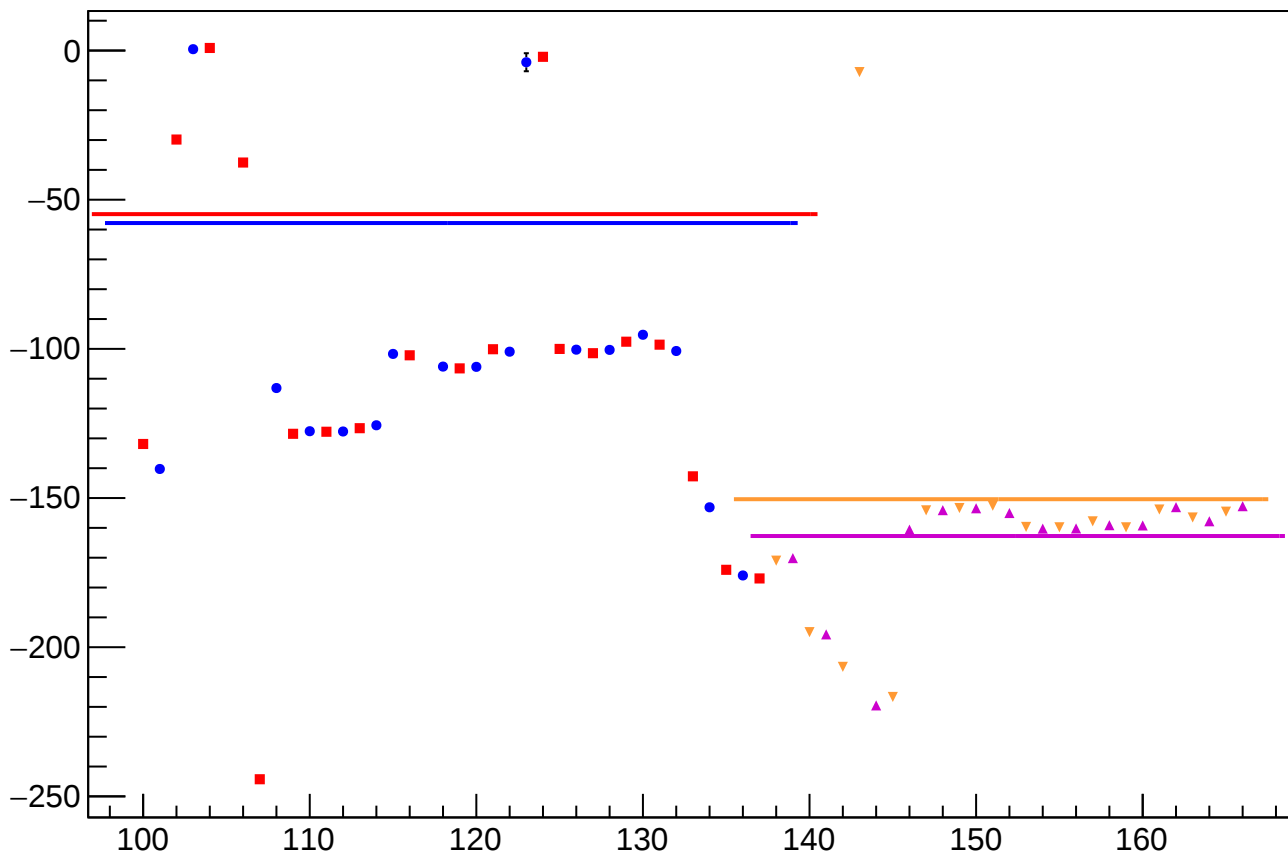
Right: 36.503+/-0.896 χ^2/NDF : 1303.3/35

In: 52.202+/-0.924 χ^2/NDF : 1221.8/30

Out: 46.330+/-0.893 χ^2/NDF : 1226.4/33

All: 49.166+/-0.642 χ^2/NDF : 2469.1/64

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -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: -162.730 ± 0.064 $\chi^2/\text{NDF}: 62193.9/13$

Left: -156.492 ± 0.045 $\chi^2/\text{NDF}: 660881.4/28$

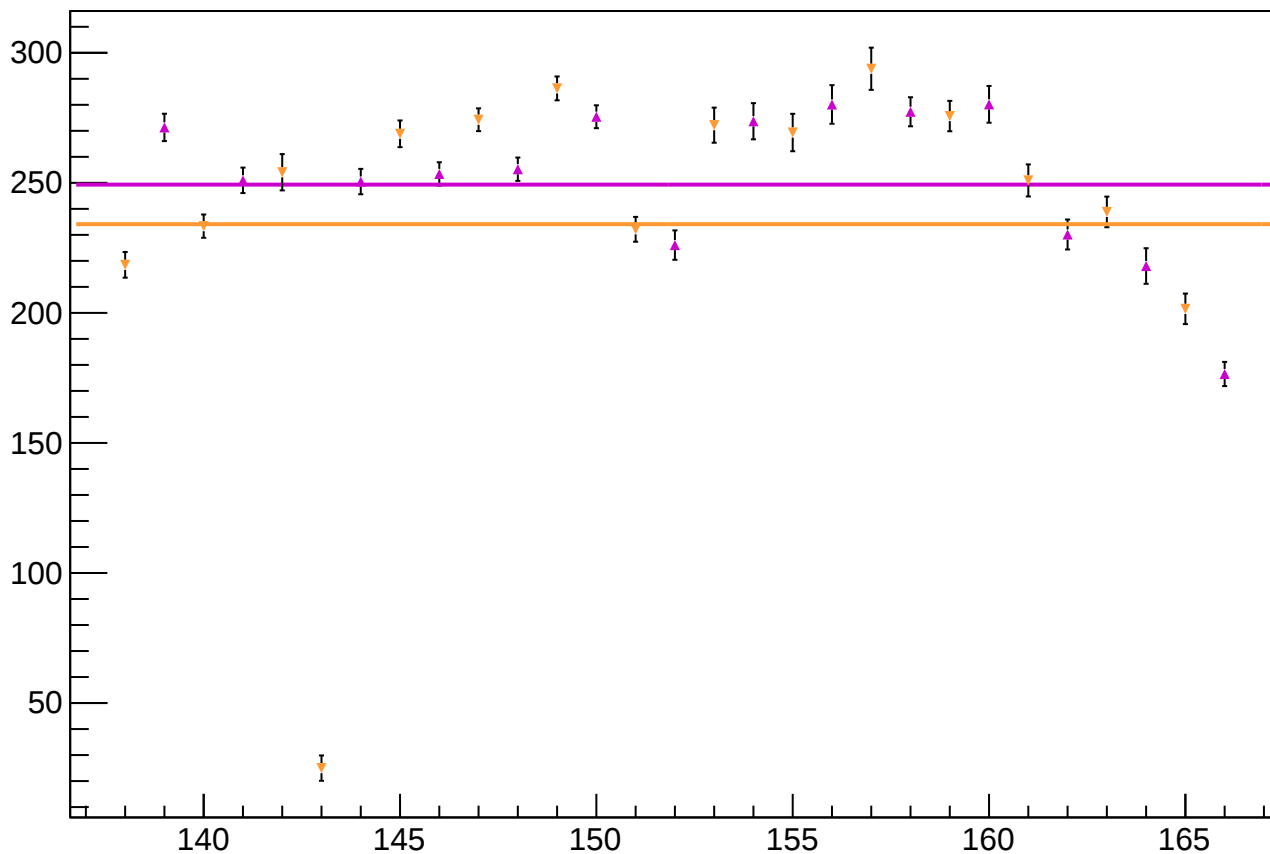
Right: -56.289 ± 0.043 $\chi^2/\text{NDF}: 2103236.7/35$

In: -108.513 ± 0.044 $\chi^2/\text{NDF}: 2556430.8/30$

Out: -100.319 ± 0.044 $\chi^2/\text{NDF}: 2778655.7/33$

All: -104.340 ± 0.031 $\chi^2/\text{NDF}: 5352416.3/64$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 234.113 $\pm$ 1.407 χ^2/NDF :2321.5/14

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

Left In: 249.317 $\pm$ 1.428 χ^2/NDF :423.1/13

Left: 241.605 $\pm$ 1.002 χ^2/NDF : 2802.1/28

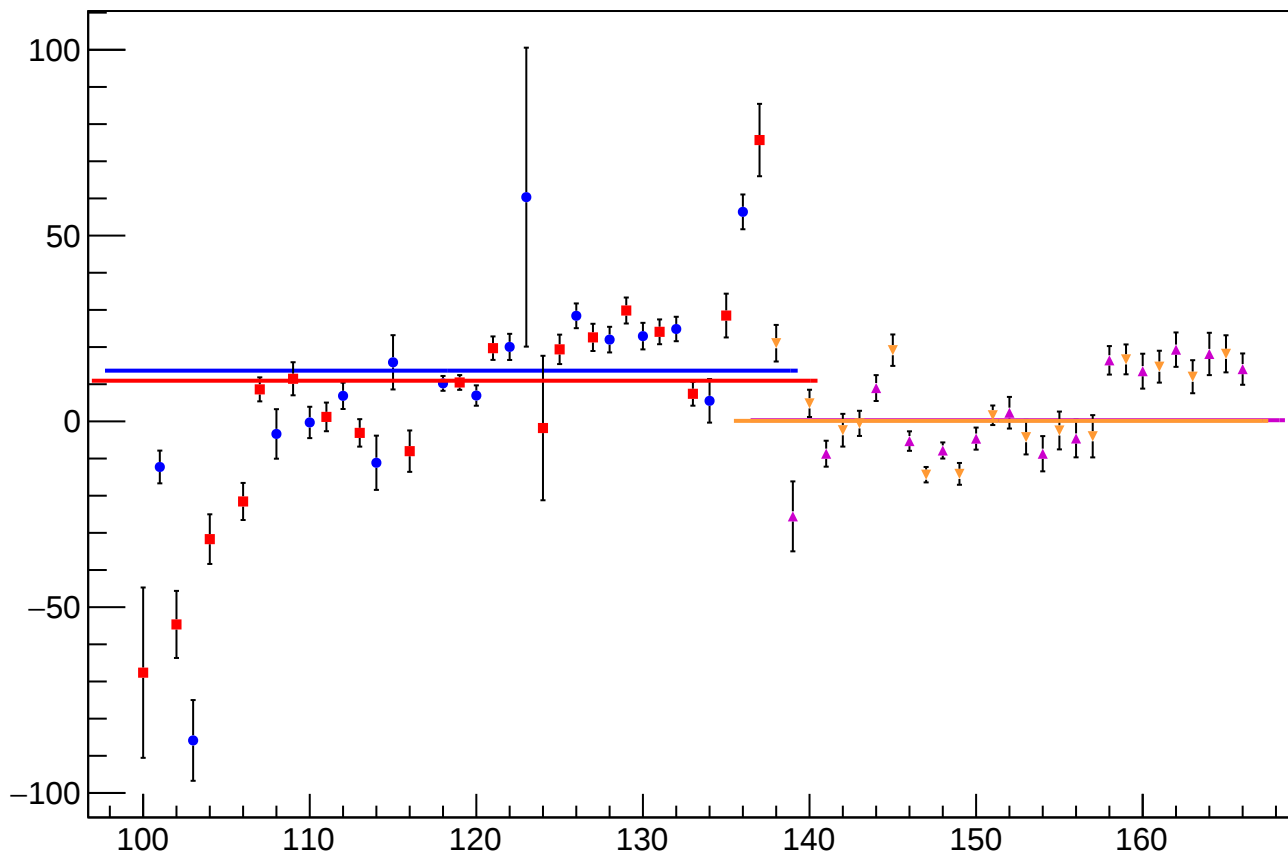
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 249.317 $\pm$ 1.428 χ^2/NDF :423.1/13

Out: 234.113 $\pm$ 1.407 χ^2/NDF :2321.5/14

All: 241.605 $\pm$ 1.002 χ^2/NDF : 2802.1/28

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: 0.140 $\pm$ 0.943 χ^2 /NDF:163.2/14

Right Out: 10.944 $\pm$ 0.913 χ^2 /NDF: 302.5/18

Left In: 0.313 $\pm$ 0.984 χ^2 /NDF:109.4/13

Left: 0.223 $\pm$ 0.681 χ^2 /NDF: 272.7/28

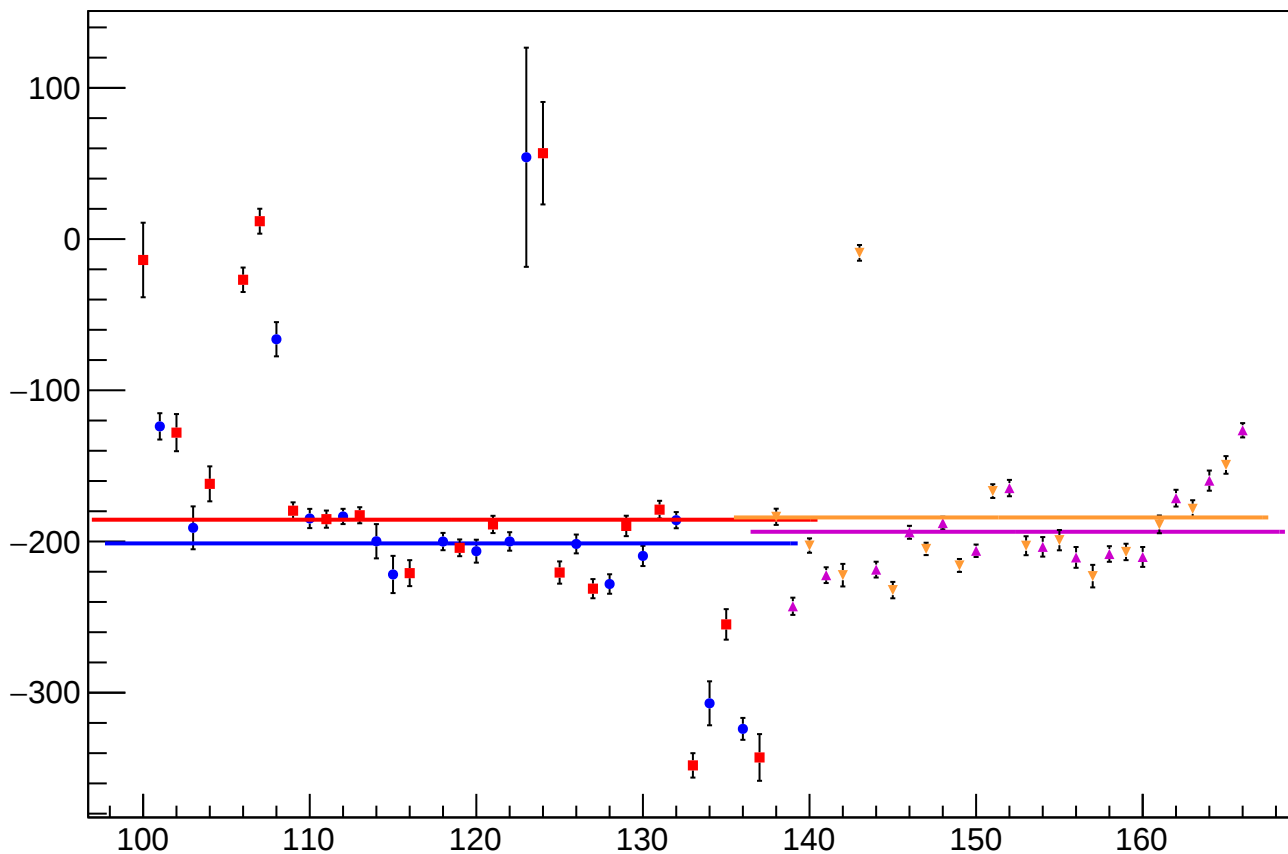
Right: 12.264 $\pm$ 0.654 χ^2 /NDF: 600.9/35

In: 7.316 $\pm$ 0.678 χ^2 /NDF:499.9/30

Out: 5.713 $\pm$ 0.656 χ^2 /NDF:533.5/33

All: 6.488 $\pm$ 0.472 χ^2 /NDF: 1036.3/64

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 $\chi^2/\text{NDF}: 623.4/16$

Left Out: -184.101 ± 1.387 $\chi^2/\text{NDF}: 1444.1/14$

Right Out: -185.593 ± 1.699 $\chi^2/\text{NDF}: 1746.0/18$

Left In: -193.574 ± 1.395 $\chi^2/\text{NDF}: 433.4/13$

Left: -188.811 ± 0.984 $\chi^2/\text{NDF}: 1900.6/28$

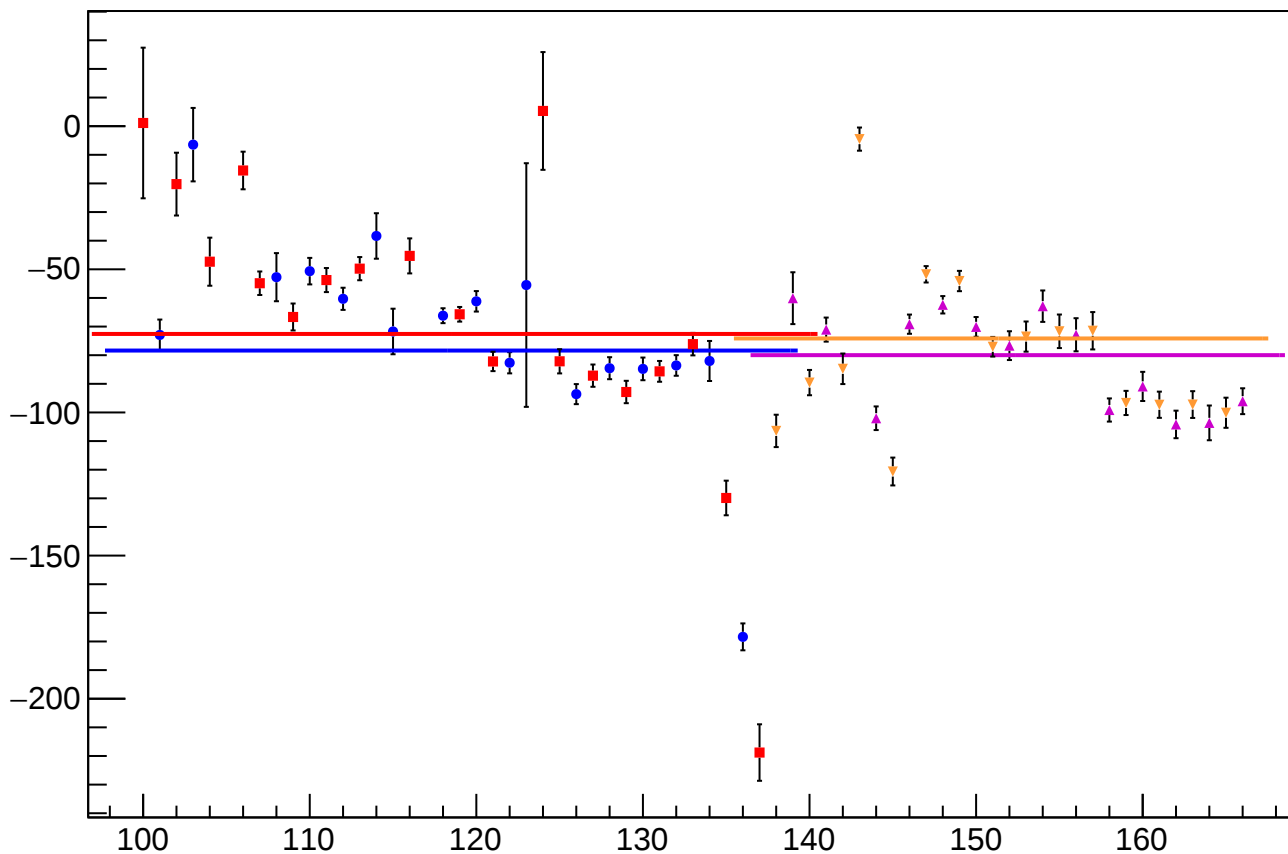
Right: -192.999 ± 1.234 $\chi^2/\text{NDF}: 2409.6/35$

In: -196.470 ± 1.102 $\chi^2/\text{NDF}: 1068.2/30$

Out: -184.698 ± 1.075 $\chi^2/\text{NDF}: 3190.6/33$

All: -190.438 ± 0.769 $\chi^2/\text{NDF}: 4317.3/64$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.376 ± 1.081 $\chi^2/\text{NDF}: 651.4/16$

Left Out: -74.154 ± 1.131 $\chi^2/\text{NDF}: 633.5/14$

Right Out: -72.577 ± 1.052 $\chi^2/\text{NDF}: 605.8/18$

Left In: -79.985 ± 1.170 $\chi^2/\text{NDF}: 181.9/13$

Left: -76.971 ± 0.813 $\chi^2/\text{NDF}: 828.2/28$

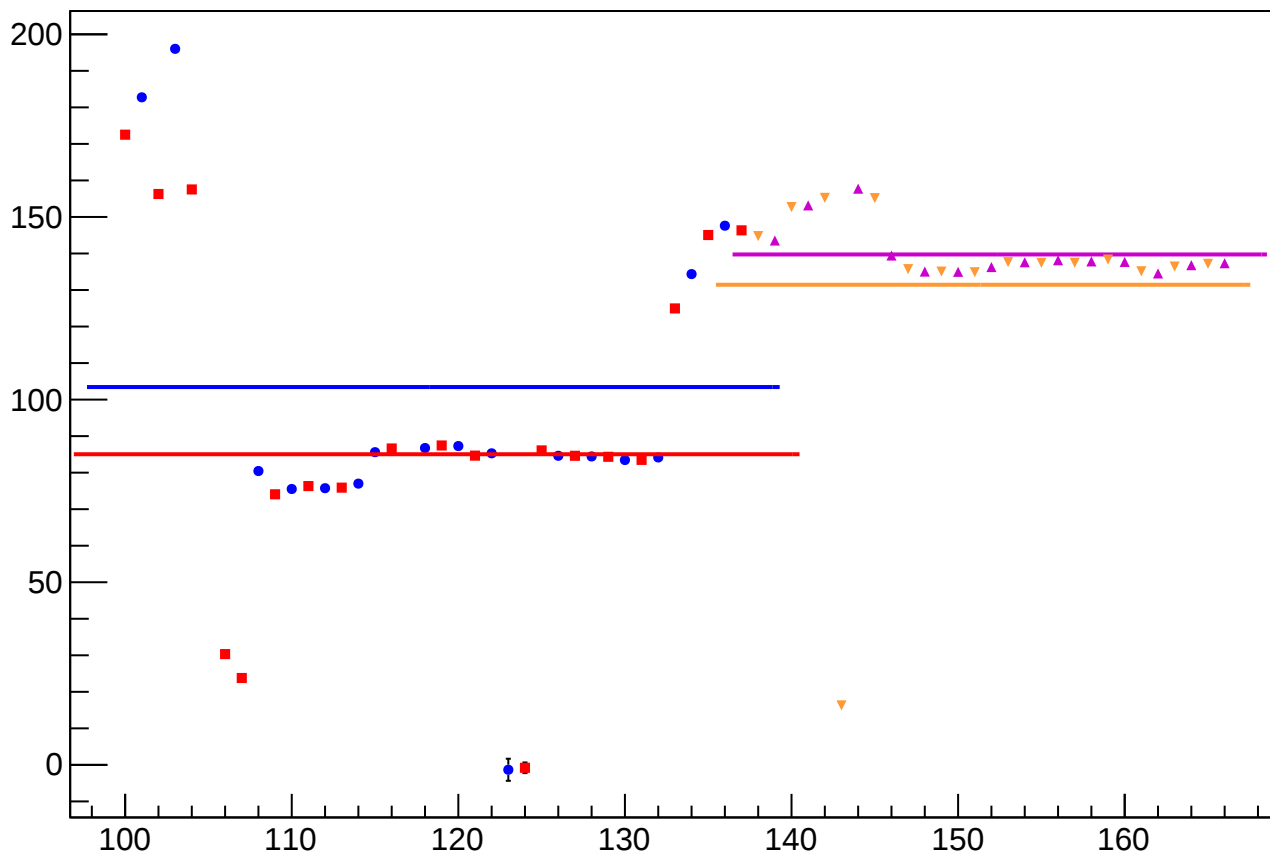
Right: -75.395 ± 0.754 $\chi^2/\text{NDF}: 1272.0/35$

In: -79.117 ± 0.794 $\chi^2/\text{NDF}: 834.3/30$

Out: -73.308 ± 0.770 $\chi^2/\text{NDF}: 1240.4/33$

All: -76.124 ± 0.553 $\chi^2/\text{NDF}: 2102.2/64$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 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: 139.735 $\pm$ 0.056 χ^2 /NDF:13450.1/13

Left: 135.564 $\pm$ 0.040 χ^2 /NDF: 369974.8/28

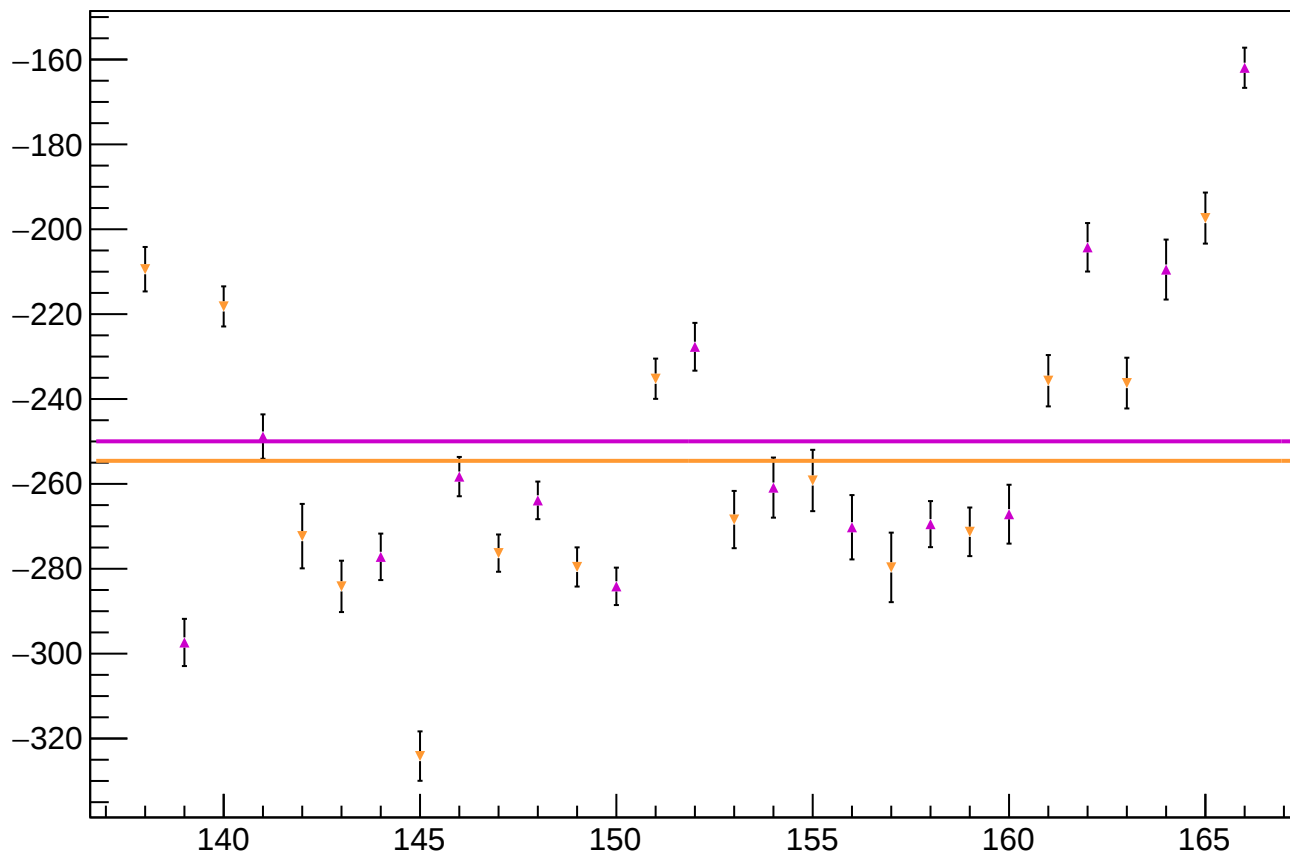
Right: 93.267 $\pm$ 0.047 χ^2 /NDF: 732362.9/35

In: 125.761 $\pm$ 0.044 χ^2 /NDF:447546.9/30

Out: 111.332 $\pm$ 0.042 χ^2 /NDF:1068097.6/33

All: 118.209 $\pm$ 0.030 χ^2 /NDF: 1571997.8/64

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -254.569+/-1.462 χ^2/NDF : 508.3/14

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

Left In: -249.973+/-1.459 χ^2/NDF : 657.2/13

Left: -252.266+/-1.032 χ^2/NDF : 1170.5/28

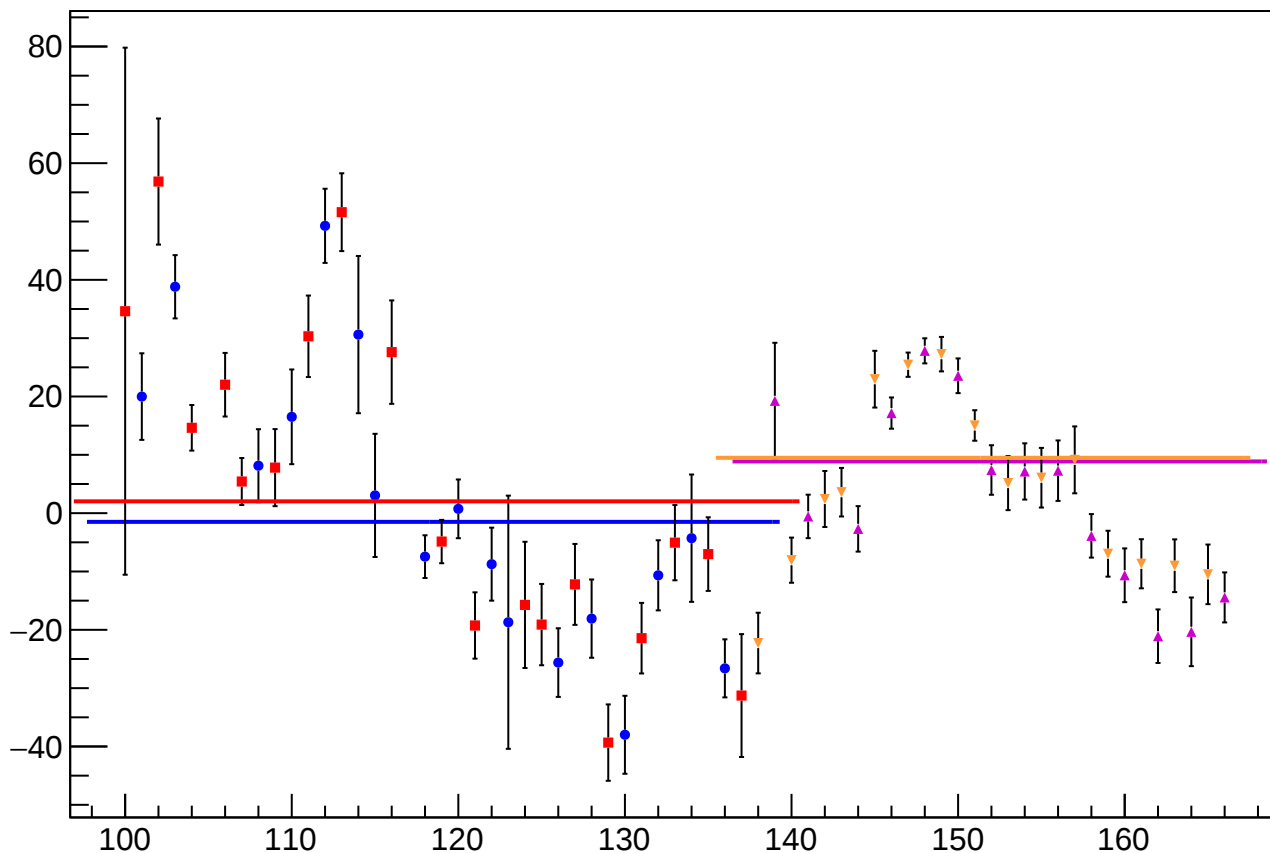
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -249.973+/-1.459 χ^2/NDF : 657.2/13

Out: -254.569+/-1.462 χ^2/NDF : 508.3/14

All: -252.266+/-1.032 χ^2/NDF : 1170.5/28

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 9.493 ± 0.970 χ^2/NDF : 238.6/14

Right Out: 2.028 ± 1.400 χ^2/NDF : 233.3/18

Left In: 8.867 ± 0.999 χ^2/NDF : 254.8/13

Left: 9.189 ± 0.696 χ^2/NDF : 493.7/28

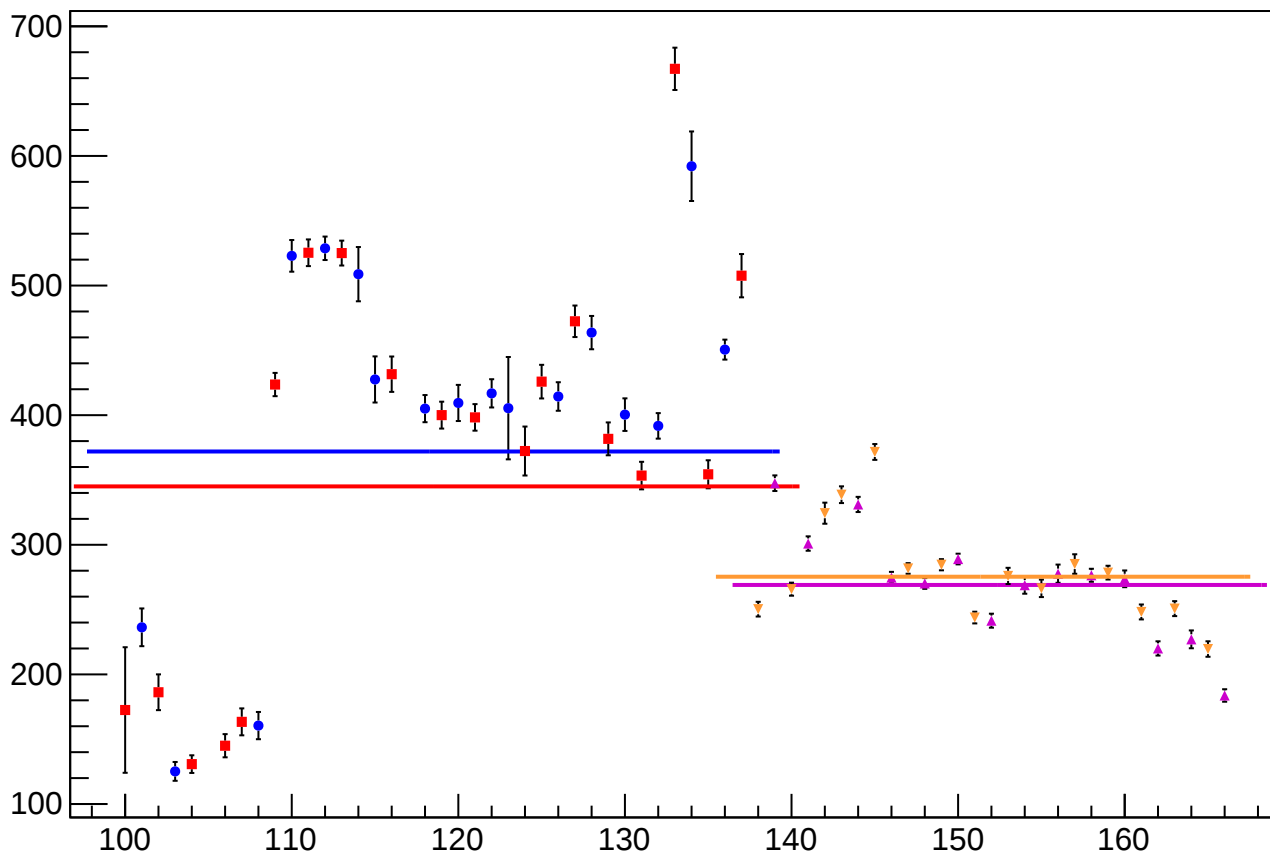
Right: 0.432 ± 1.035 χ^2/NDF : 462.1/35

In: 5.789 ± 0.837 χ^2/NDF : 512.7/30

Out: 7.070 ± 0.797 χ^2/NDF : 491.1/33

All: 6.461 ± 0.577 χ^2/NDF : 1005.1/64

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 269.010 ± 1.420 $\chi^2/\text{NDF}: 799.9/13$

Left: 272.159 ± 1.009 $\chi^2/\text{NDF}: 1400.5/28$

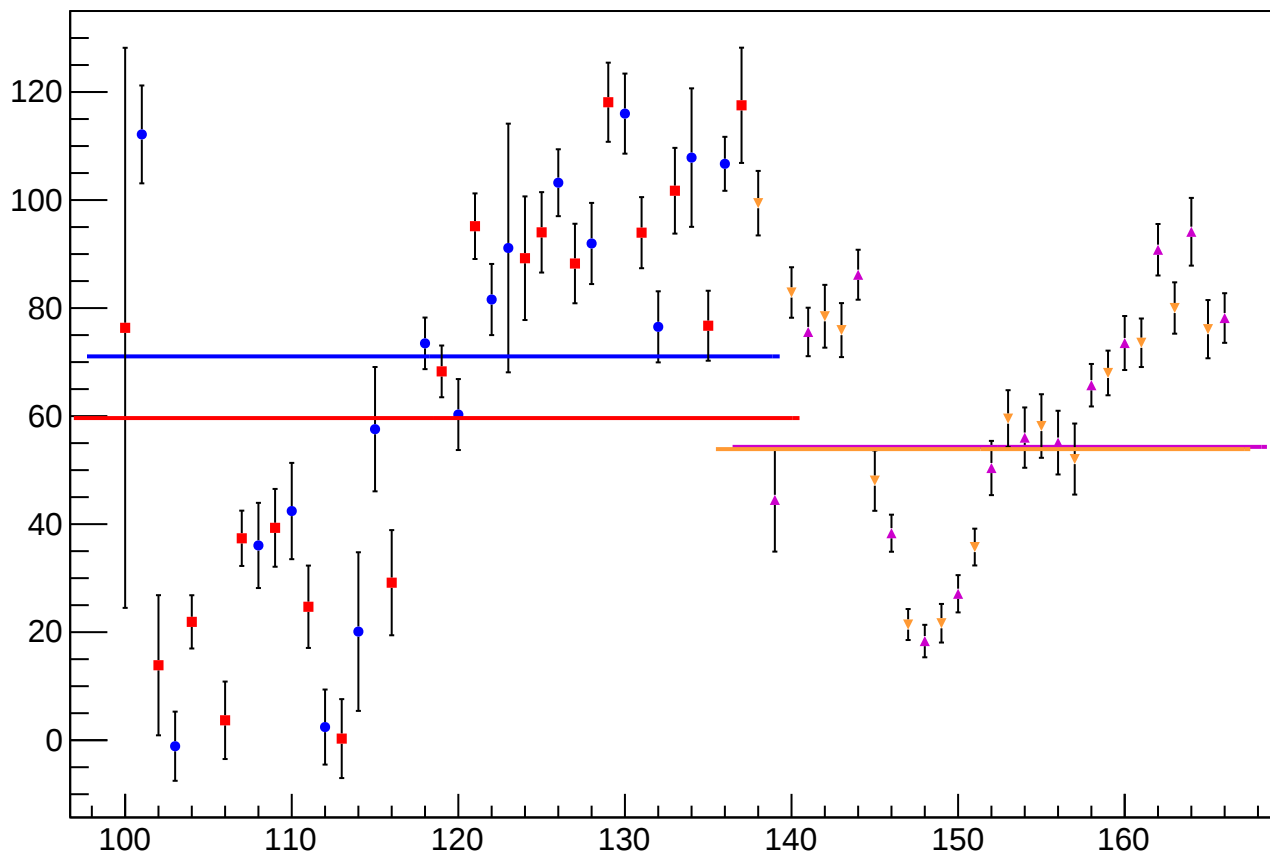
Right: 357.423 ± 1.883 $\chi^2/\text{NDF}: 5898.6/35$

In: 290.355 ± 1.265 $\chi^2/\text{NDF}: 4321.7/30$

Out: 291.959 ± 1.250 $\chi^2/\text{NDF}: 4569.4/33$

All: 291.166 ± 0.889 $\chi^2/\text{NDF}: 8891.9/64$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 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: 54.306 $\pm$ 1.188 χ^2 /NDF:447.6/13

Left: 54.095 $\pm$ 0.832 χ^2 /NDF: 900.2/28

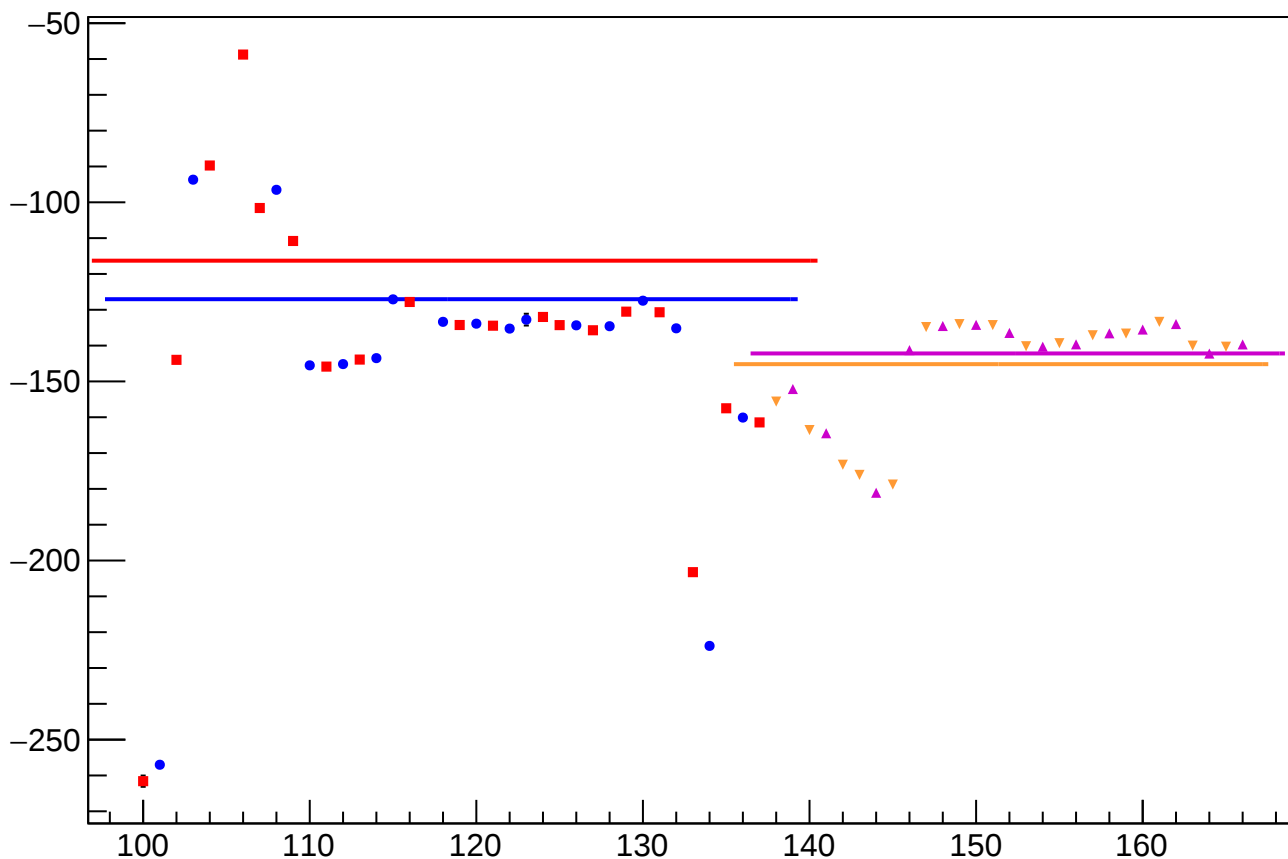
Right: 64.900 $\pm$ 1.198 χ^2 /NDF: 940.4/35

In: 59.531 $\pm$ 0.985 χ^2 /NDF:935.8/30

Out: 55.834 $\pm$ 0.948 χ^2 /NDF:952.3/33

All: 57.612 $\pm$ 0.683 χ^2 /NDF: 1895.5/64

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -145.182+/-0.058 χ^2/NDF : 67689.6/14

Right Out: -116.295+/-0.083 χ^2/NDF : 167109.1/18

Left In: -142.193+/-0.057 χ^2/NDF : 43206.2/13

Left: -143.673+/-0.041 χ^2/NDF : 112256.0/28

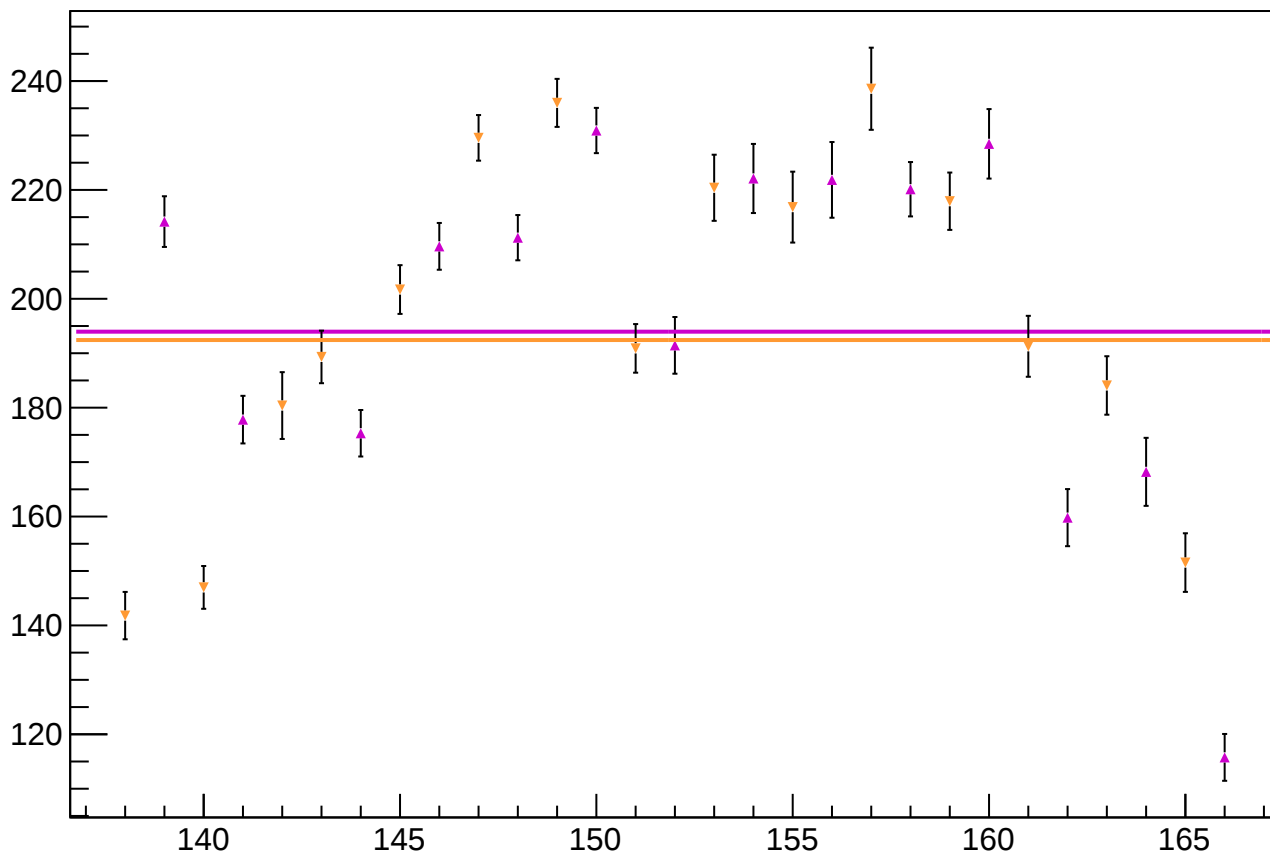
Right: -121.250+/-0.061 χ^2/NDF : 341860.6/35

In: -137.839+/-0.048 χ^2/NDF : 230495.0/30

Out: -135.794+/-0.047 χ^2/NDF : 316592.3/33

All: -136.799+/-0.034 χ^2/NDF : 548005.6/64

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 192.424+/-1.290 χ^2/NDF : 610.0/14

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

Left In: 193.960+/-1.306 χ^2/NDF : 643.7/13

Left: 193.182+/-0.918 χ^2/NDF : 1254.4/28

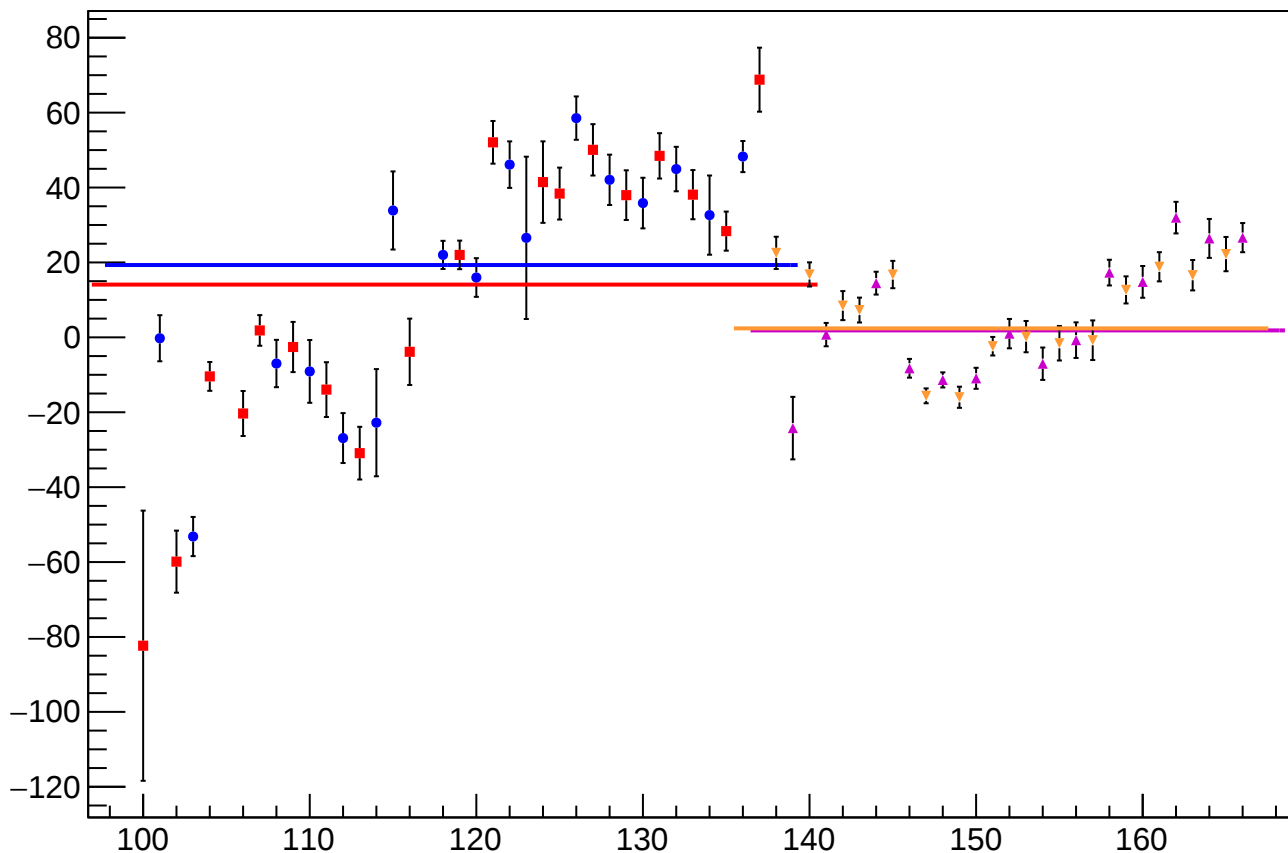
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 193.960+/-1.306 χ^2/NDF : 643.7/13

Out: 192.424+/-1.290 χ^2/NDF : 610.0/14

All: 193.182+/-0.918 χ^2/NDF : 1254.4/28

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 1.851+/-0.906 χ^2/NDF : 255.0/13

Left: 2.133+/-0.628 χ^2/NDF : 503.9/28

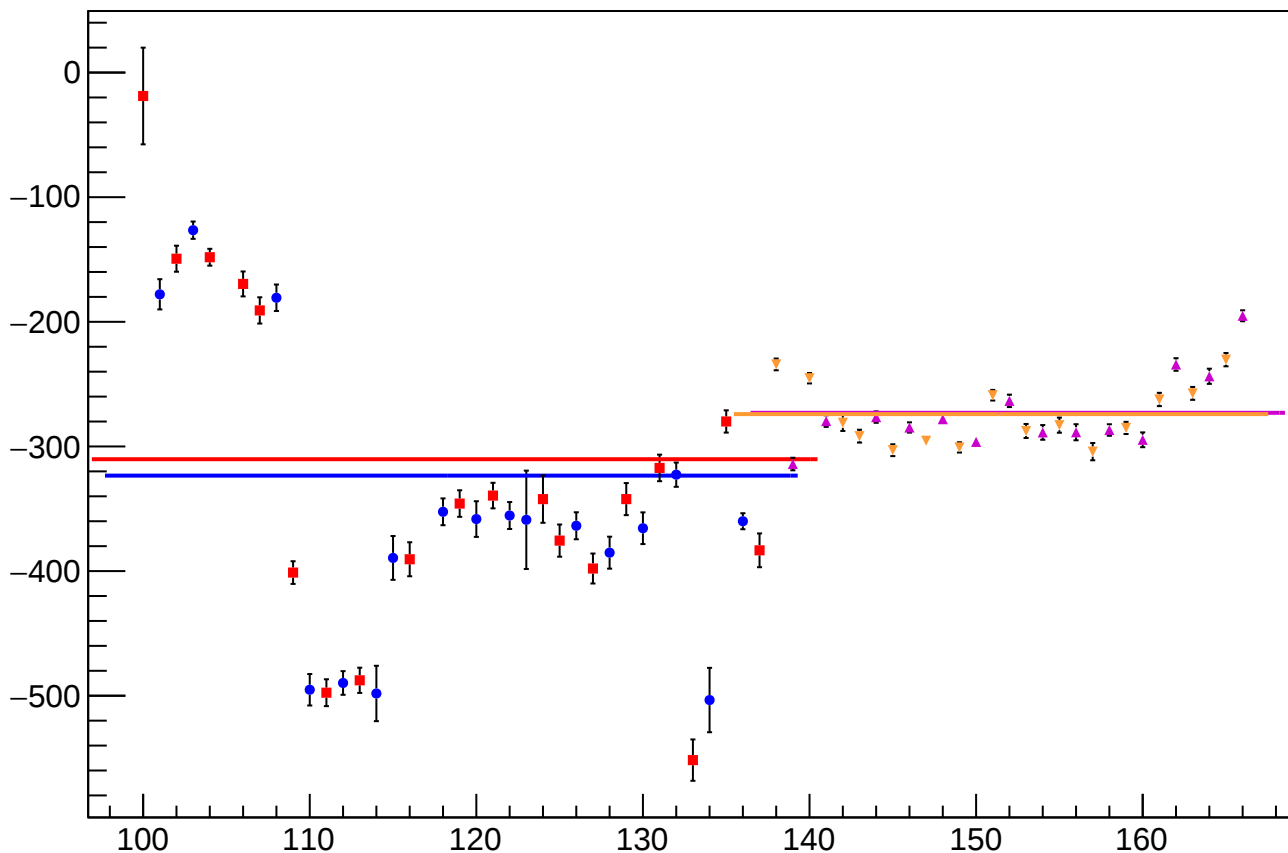
Right: 16.496+/-1.020 χ^2/NDF : 884.7/35

In: 6.512+/-0.775 χ^2/NDF : 795.5/30

Out: 5.696+/-0.739 χ^2/NDF : 736.4/33

All: 6.084+/-0.535 χ^2/NDF : 1532.5/64

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 $\pm$ 2.684 χ^2/NDF : 1849.6/16

Left Out: -274.053 $\pm$ 1.275 χ^2/NDF :367.1/14

Right Out: -310.236 $\pm$ 2.523 χ^2/NDF : 2298.8/18

Left In: -273.006 $\pm$ 1.279 χ^2/NDF :551.9/13

Left: -273.532 $\pm$ 0.903 χ^2/NDF : 919.4/28

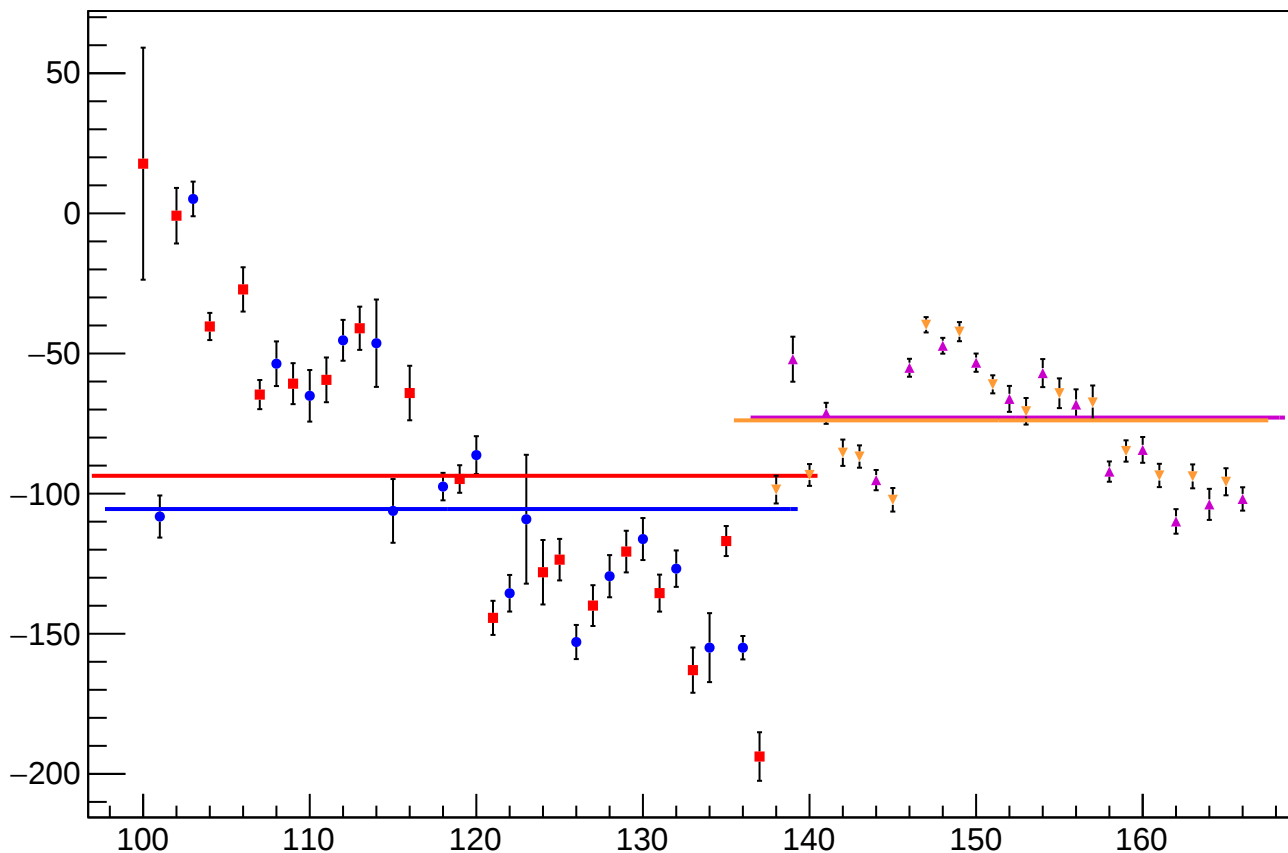
Right: -316.413 $\pm$ 1.838 χ^2/NDF : 4161.2/35

In: -282.332 $\pm$ 1.155 χ^2/NDF :2688.8/30

Out: -281.412 $\pm$ 1.138 χ^2/NDF :2829.7/33

All: -281.865 $\pm$ 0.810 χ^2/NDF : 5518.9/64

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Left: -73.372 +/- 0.748 χ^2/NDF : 840.8/28

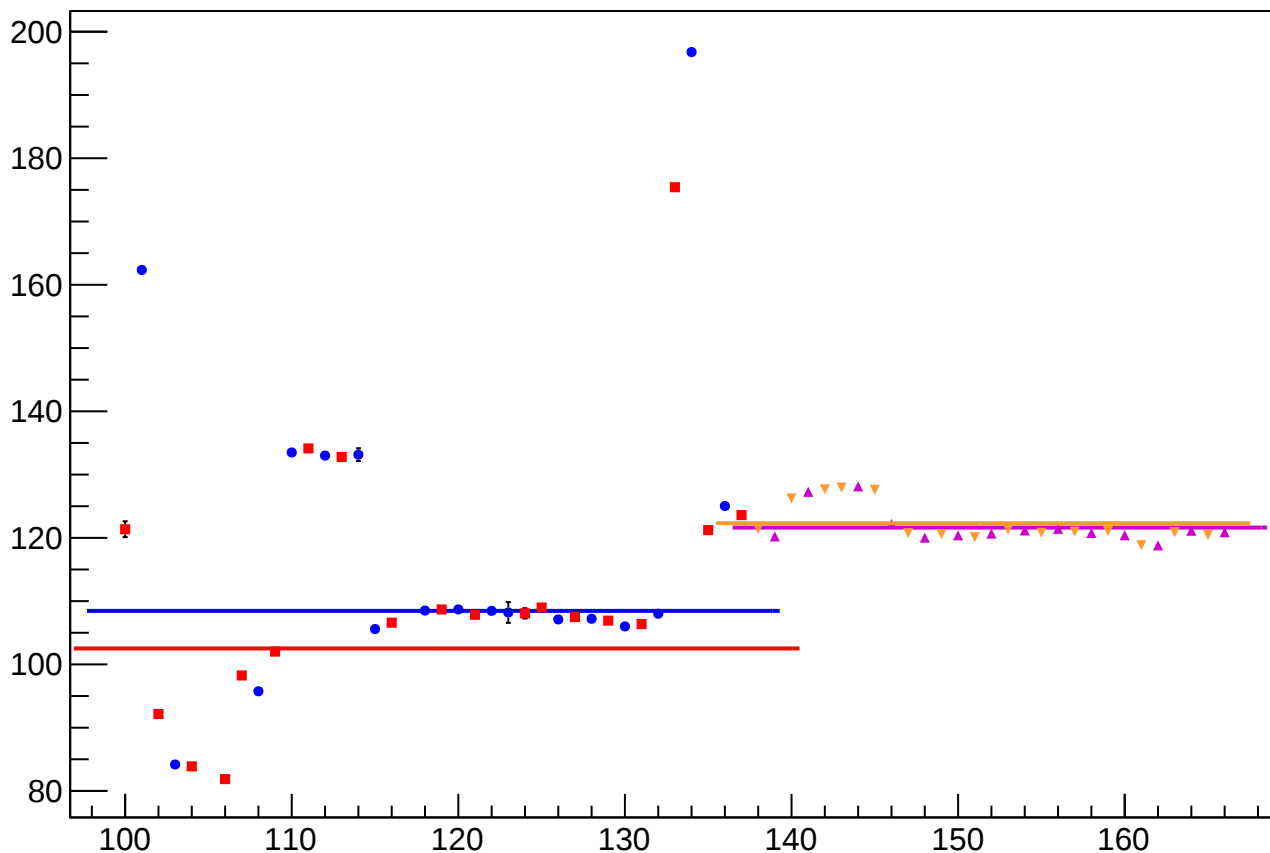
Right: -99.203 +/- 1.173 χ^2/NDF : 1589.9/35

In: -82.077 +/- 0.910 χ^2/NDF : 1391.4/30

Out: -79.701 +/- 0.875 χ^2/NDF : 1380.5/33

All: -80.843 +/- 0.631 χ^2/NDF : 2775.5/64

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 122.318 $\pm$ 0.051 χ^2 /NDF:3329.7/14

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

Left In: 121.630 $\pm$ 0.051 χ^2 /NDF:2490.1/13

Left: 121.975 $\pm$ 0.036 χ^2 /NDF: 5910.1/28

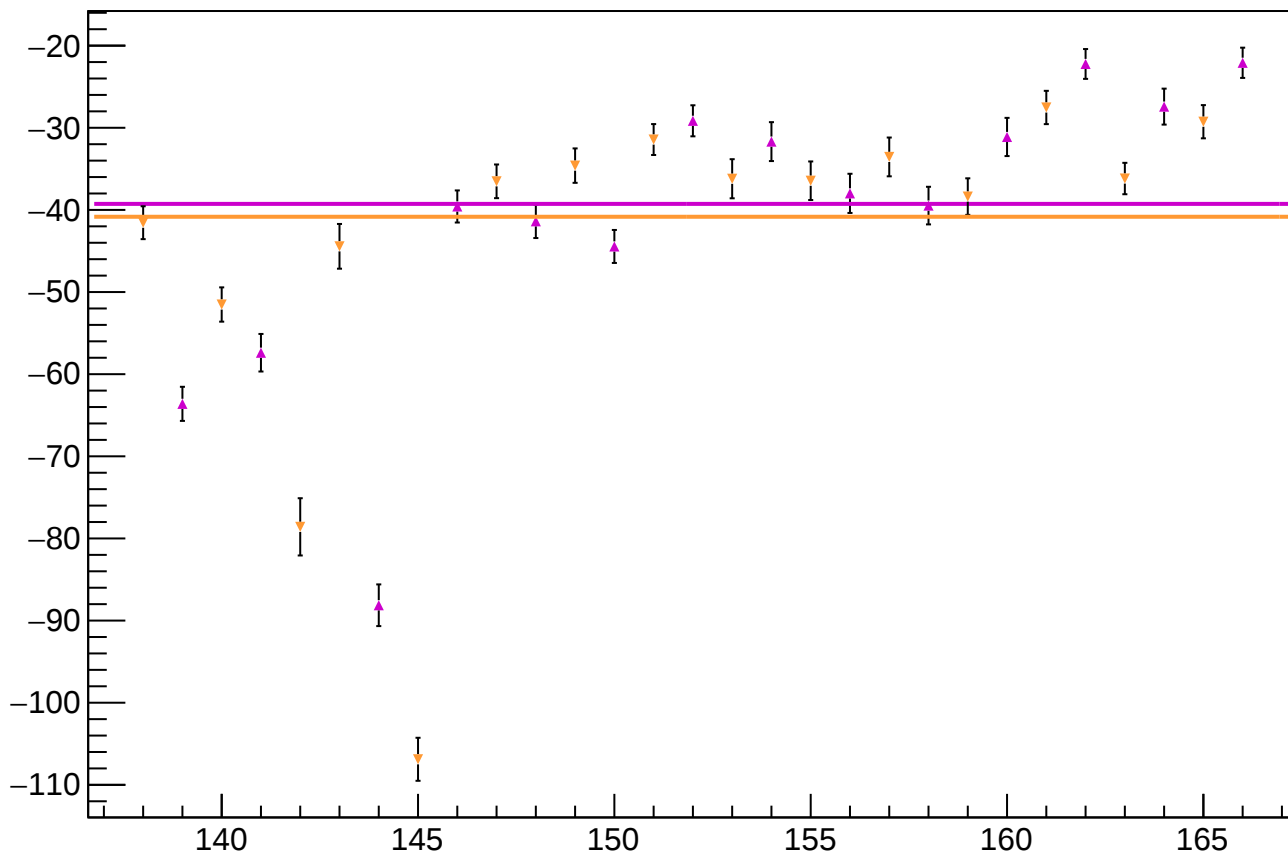
Right: 105.294 $\pm$ 0.058 χ^2 /NDF: 128896.1/35

In: 118.113 $\pm$ 0.044 χ^2 /NDF:93388.4/30

Out: 116.530 $\pm$ 0.043 χ^2 /NDF:100144.1/33

All: 117.305 $\pm$ 0.031 χ^2 /NDF: 194196.3/64

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



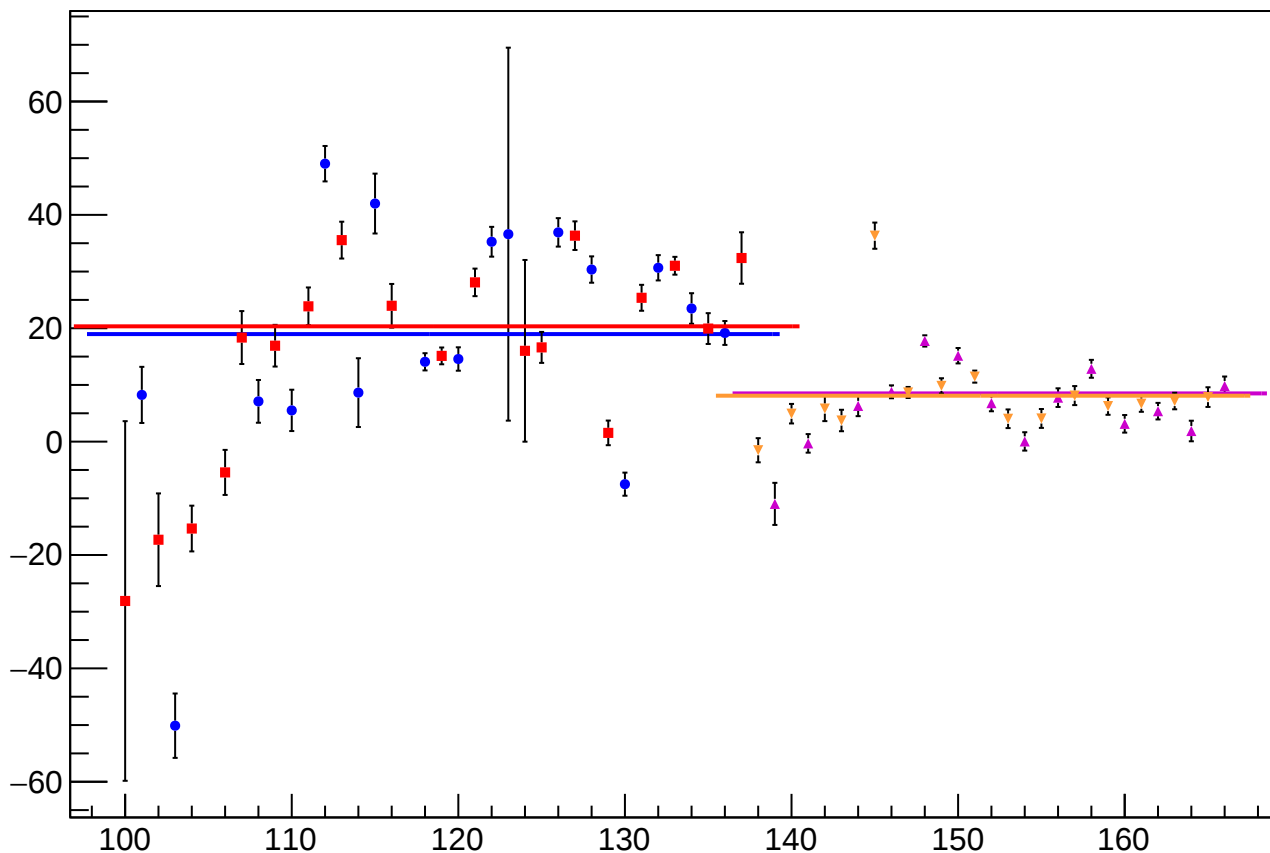
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -40.833+/-0.569 χ^2/NDF :919.5/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -39.267+/-0.564 χ^2/NDF :834.5/13

Left: -40.043+/-0.400 χ^2/NDF : 1757.8/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -39.267+/-0.564 χ^2/NDF :834.5/13
 Out: -40.833+/-0.569 χ^2/NDF :919.5/14

All: -40.043+/-0.400 χ^2/NDF : 1757.8/28

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 $\pm$ 0.653 χ^2 /NDF: 618.4/16

Left Out: 8.102 $\pm$ 0.392 χ^2 /NDF:206.2/14

Right Out: 20.338 $\pm$ 0.642 χ^2 /NDF: 366.4/18

Left In: 8.505 $\pm$ 0.400 χ^2 /NDF:236.0/13

Left: 8.299 $\pm$ 0.280 χ^2 /NDF: 442.7/28

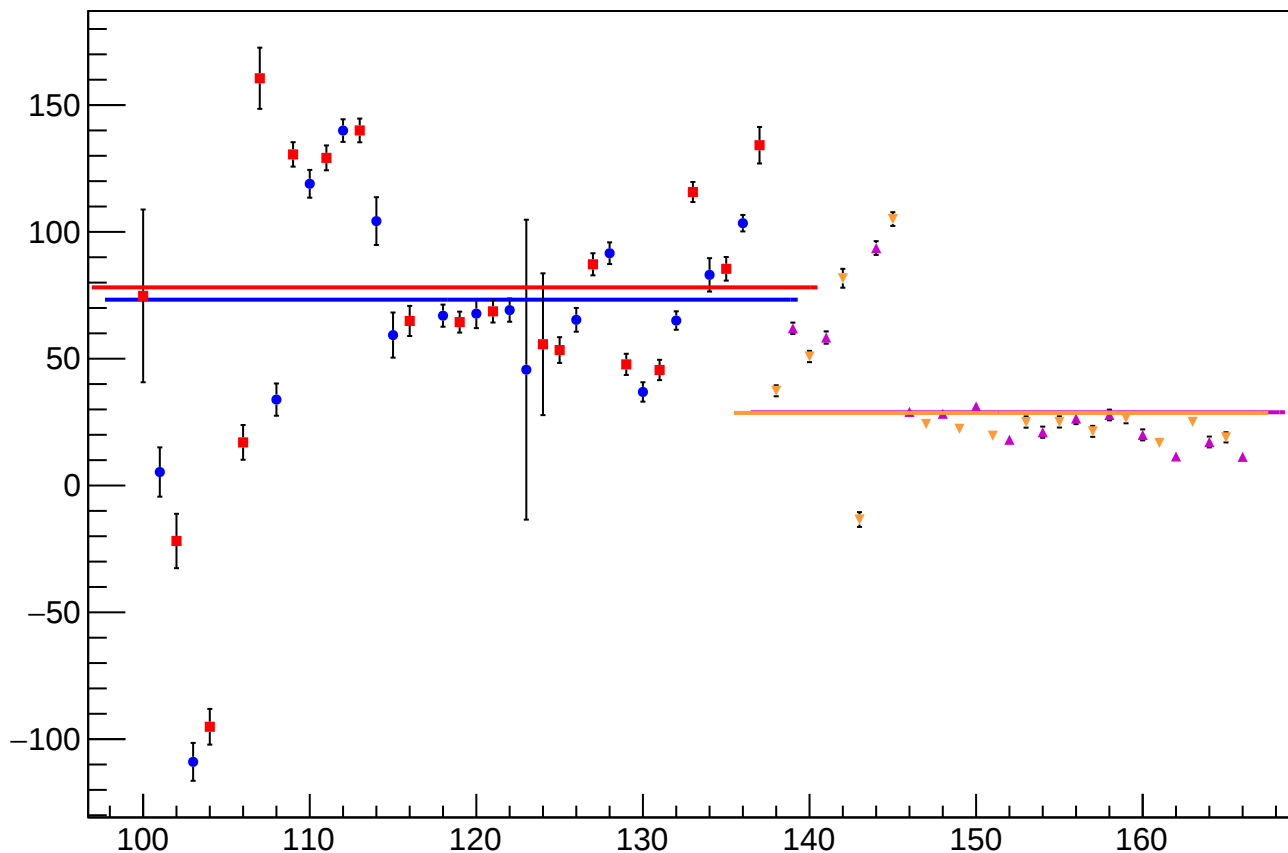
Right: 19.666 $\pm$ 0.458 χ^2 /NDF: 987.0/35

In: 11.357 $\pm$ 0.341 χ^2 /NDF:1041.2/30

Out: 11.420 $\pm$ 0.334 χ^2 /NDF:837.2/33

All: 11.389 $\pm$ 0.239 χ^2 /NDF: 1878.5/64

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 28.629 $\pm$ 0.555 χ^2 /NDF:1448.4/14

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

Left In: 28.884 $\pm$ 0.548 χ^2 /NDF:1218.6/13

Left: 28.758 $\pm$ 0.390 χ^2 /NDF: 2667.1/28

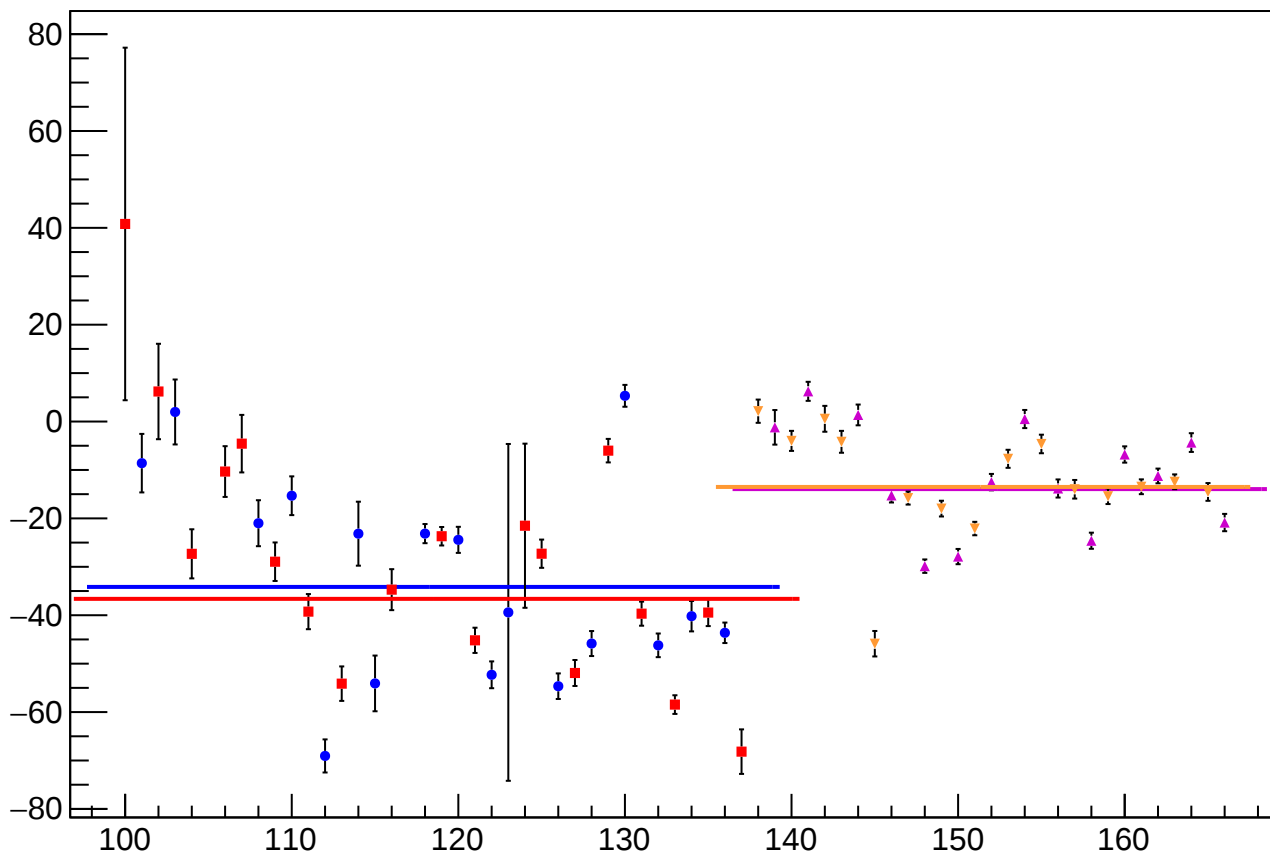
Right: 75.732 $\pm$ 0.869 χ^2 /NDF: 2749.7/35

In: 36.173 $\pm$ 0.501 χ^2 /NDF:3494.7/30

Out: 37.080 $\pm$ 0.505 χ^2 /NDF:4351.3/33

All: 36.623 $\pm$ 0.356 χ^2 /NDF: 7847.6/64

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.508 ± 0.461 χ^2/NDF : 342.1/14

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

Left In: -13.951 ± 0.467 χ^2/NDF : 542.0/13

Left: -13.727 ± 0.328 χ^2/NDF : 884.6/28

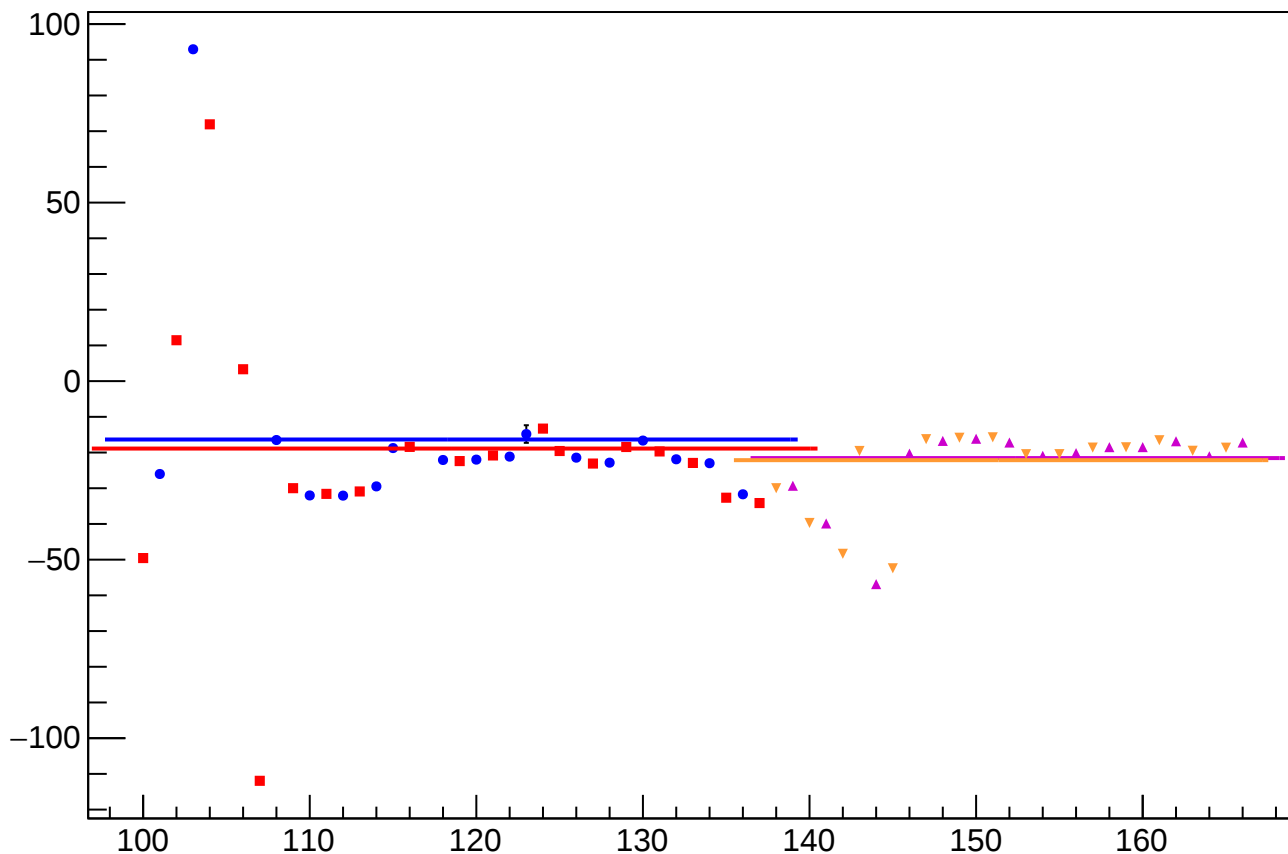
Right: -35.401 ± 0.523 χ^2/NDF : 1270.0/35

In: -19.644 ± 0.395 χ^2/NDF : 1787.8/30

Out: -20.017 ± 0.390 χ^2/NDF : 1597.8/33

All: -19.833 ± 0.278 χ^2/NDF : 3386.0/64

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -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: -21.554 ± 0.022 $\chi^2/\text{NDF}: 155317.8/13$

Left: -21.844 ± 0.015 $\chi^2/\text{NDF}: 339546.8/28$

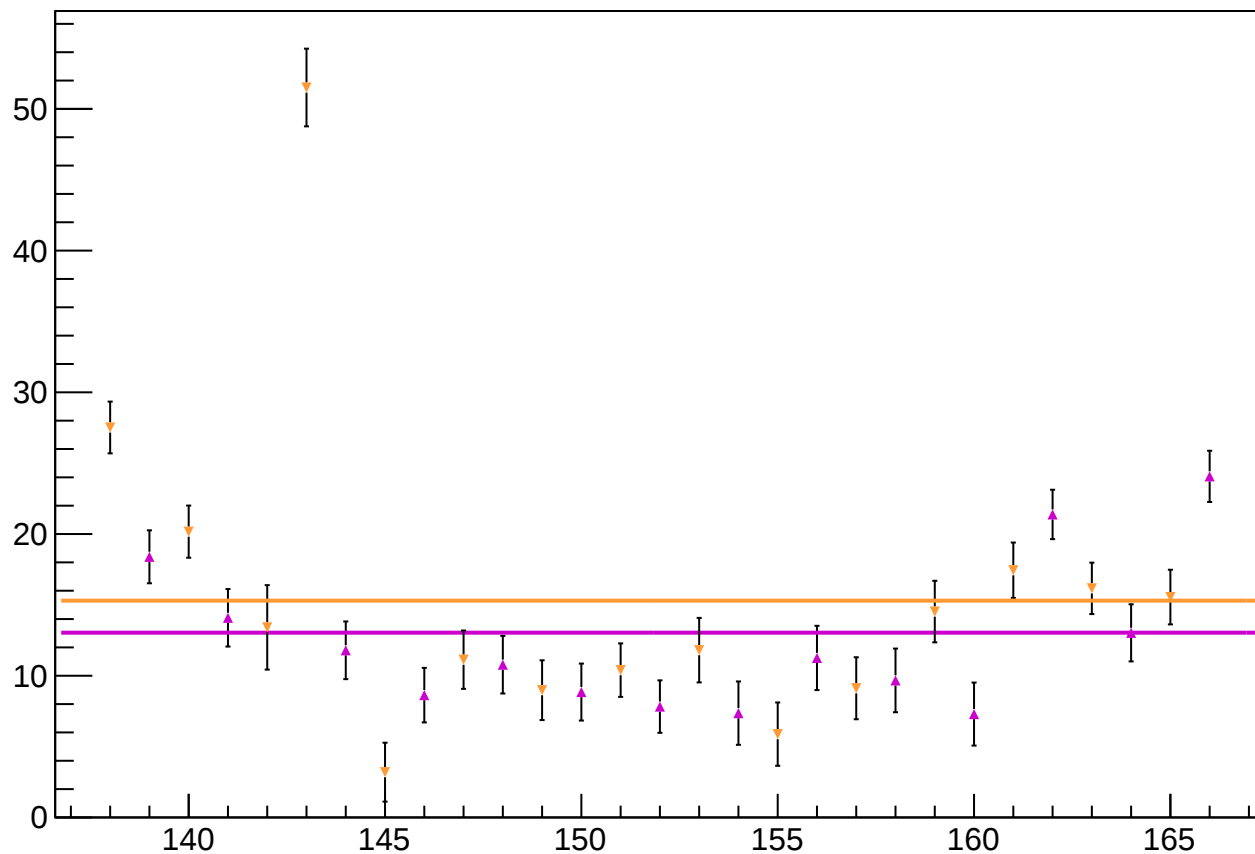
Right: -17.599 ± 0.032 $\chi^2/\text{NDF}: 909577.8/35$

In: -20.563 ± 0.019 $\chi^2/\text{NDF}: 640515.7/30$

Out: -21.526 ± 0.020 $\chi^2/\text{NDF}: 621845.0/33$

All: -21.041 ± 0.014 $\chi^2/\text{NDF}: 1263573.8/64$

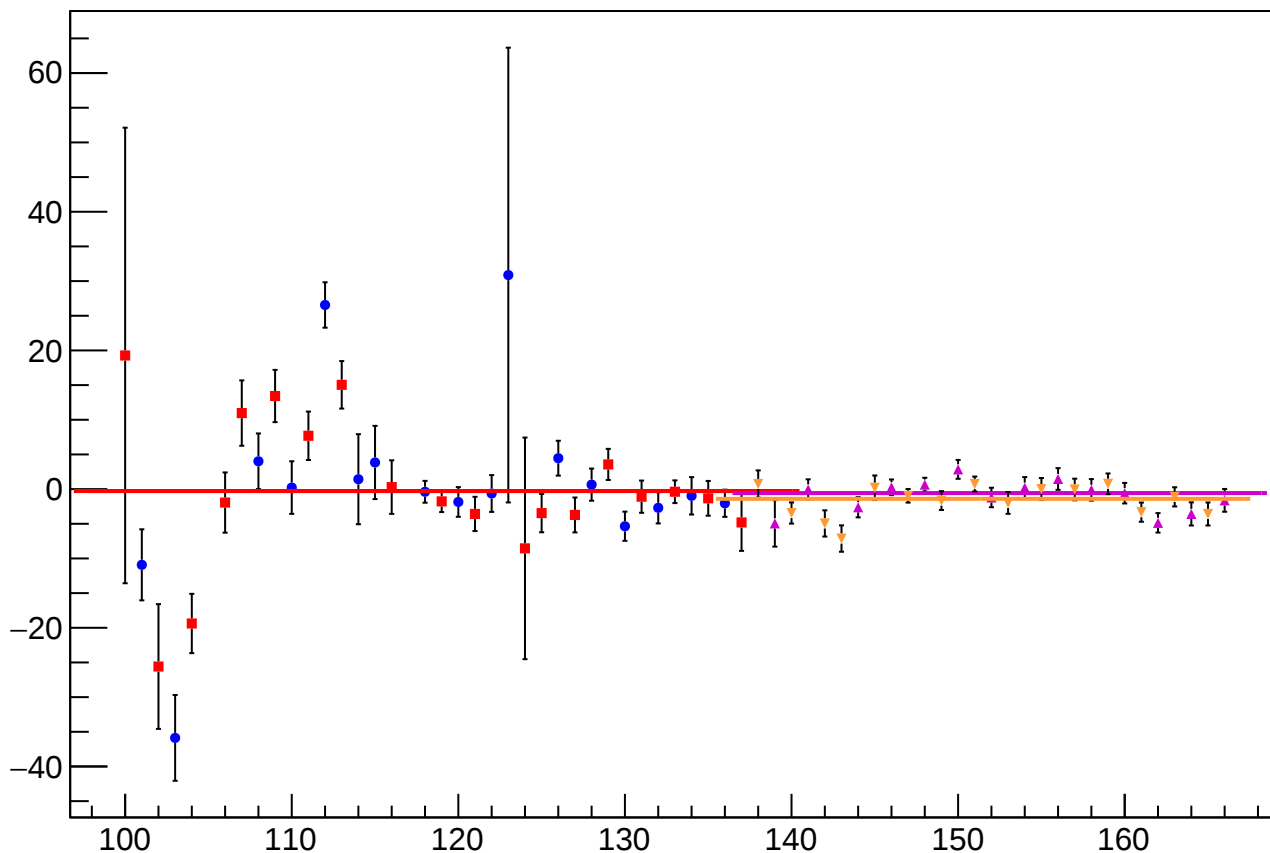
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 15.299 $\pm$ 0.537 χ^2 /NDF:310.1/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 13.039 $\pm$ 0.535 χ^2 /NDF:103.8/13

Left: 14.163 $\pm$ 0.379 χ^2 /NDF: 422.7/28
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 13.039 $\pm$ 0.535 χ^2 /NDF:103.8/13
 Out: 15.299 $\pm$ 0.537 χ^2 /NDF:310.1/14
 All: 14.163 $\pm$ 0.379 χ^2 /NDF: 422.7/28

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.403 ± 0.376 χ^2/NDF : 28.1/14

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

Left In: -0.569 ± 0.383 χ^2/NDF : 27.4/13

Left: -0.994 ± 0.268 χ^2/NDF : 57.9/28

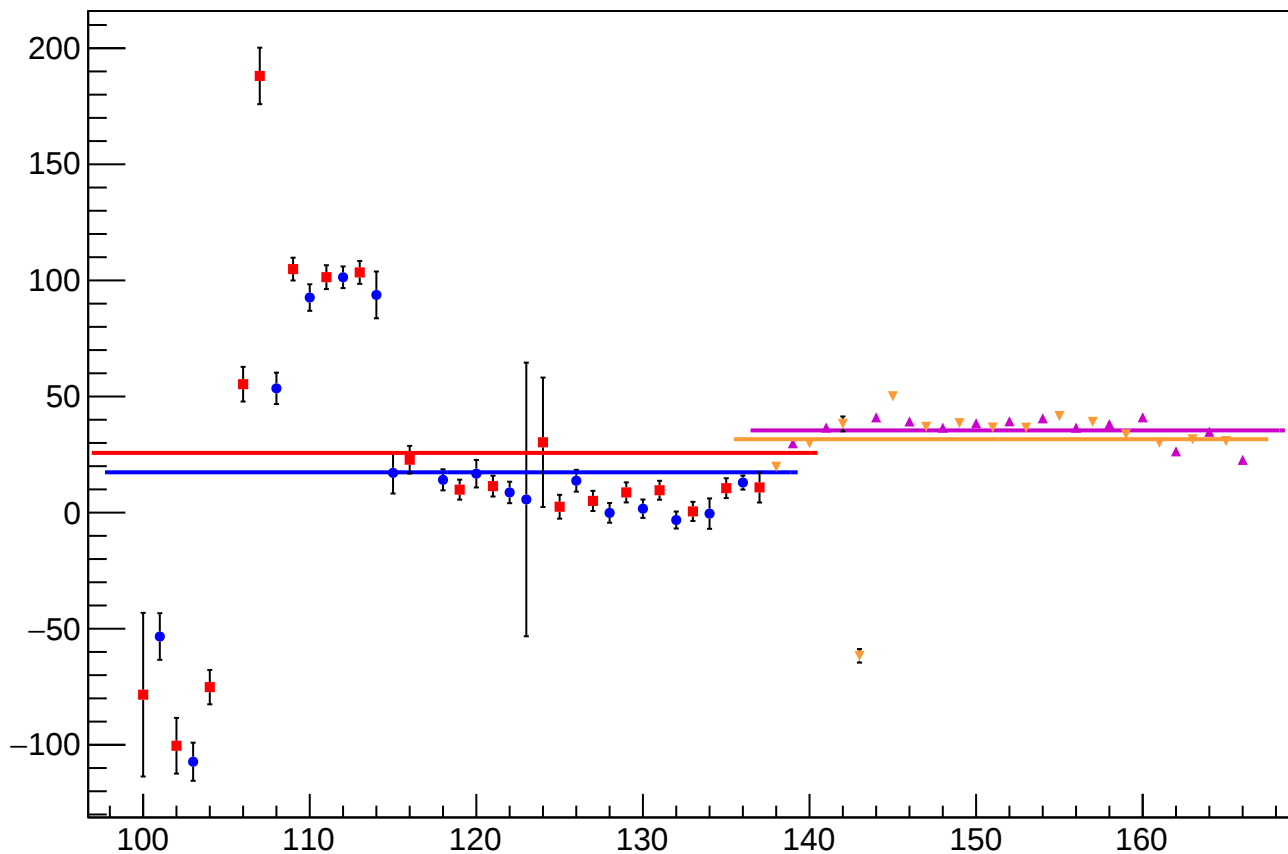
Right: -0.275 ± 0.466 χ^2/NDF : 202.7/35

In: -0.497 ± 0.331 χ^2/NDF : 147.1/30

Out: -1.124 ± 0.326 χ^2/NDF : 113.5/33

All: -0.816 ± 0.232 χ^2/NDF : 262.4/64

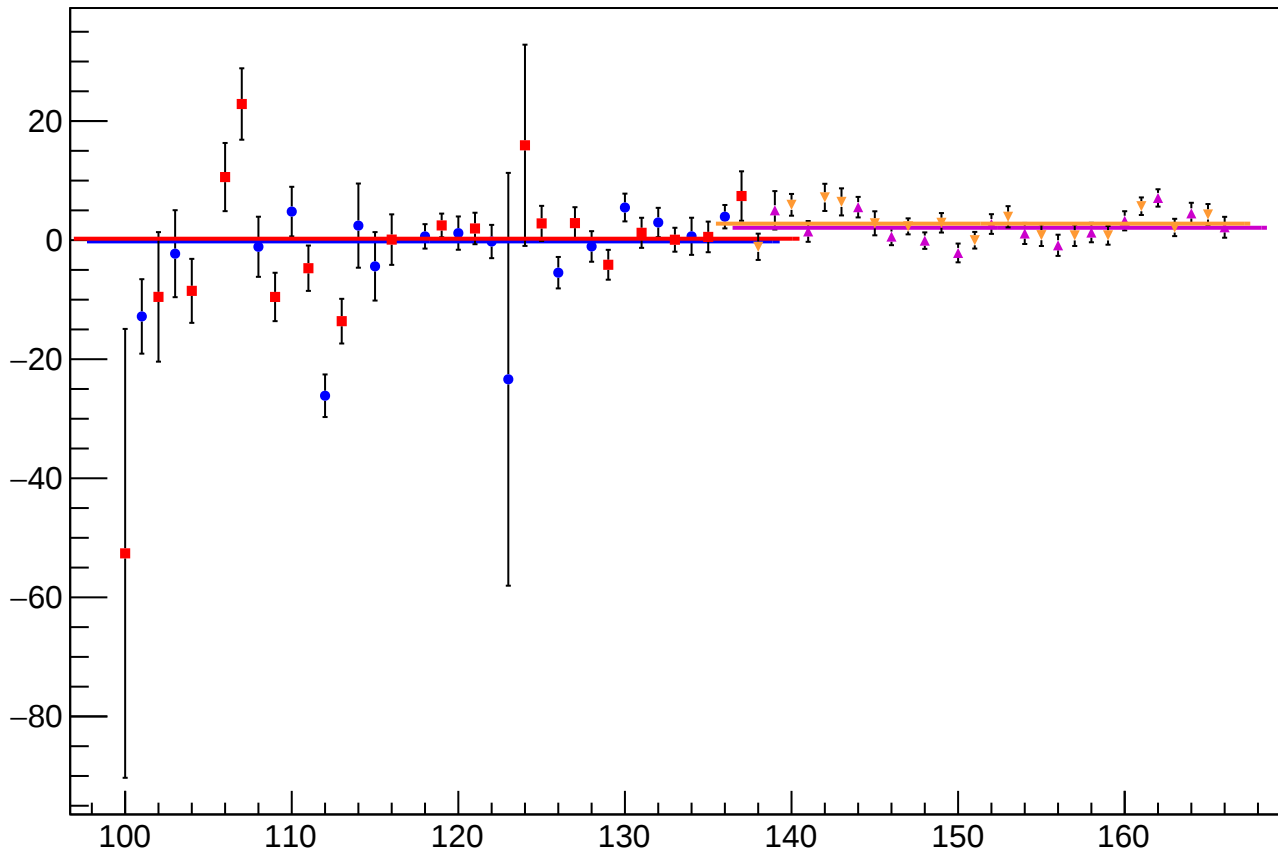
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16
 Left Out: 31.621+/-0.527 χ^2/NDF :1201.0/14
 Right Out: 25.717+/-1.243 χ^2/NDF : 1378.8/18
 Left In: 35.408+/-0.522 χ^2/NDF :119.1/13

Left: 33.532+/-0.371 χ^2/NDF : 1346.2/28
 Right: 21.552+/-0.880 χ^2/NDF : 2344.4/35
 In: 32.720+/-0.481 χ^2/NDF :1240.4/30
 Out: 30.723+/-0.485 χ^2/NDF :2599.0/33
 All: 31.729+/-0.342 χ^2/NDF : 3847.9/64

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.770 ± 0.440 χ^2/NDF : 25.7/14

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

Left In: 2.078 ± 0.446 χ^2/NDF : 33.3/13

Left: 2.428 ± 0.313 χ^2/NDF : 60.2/28

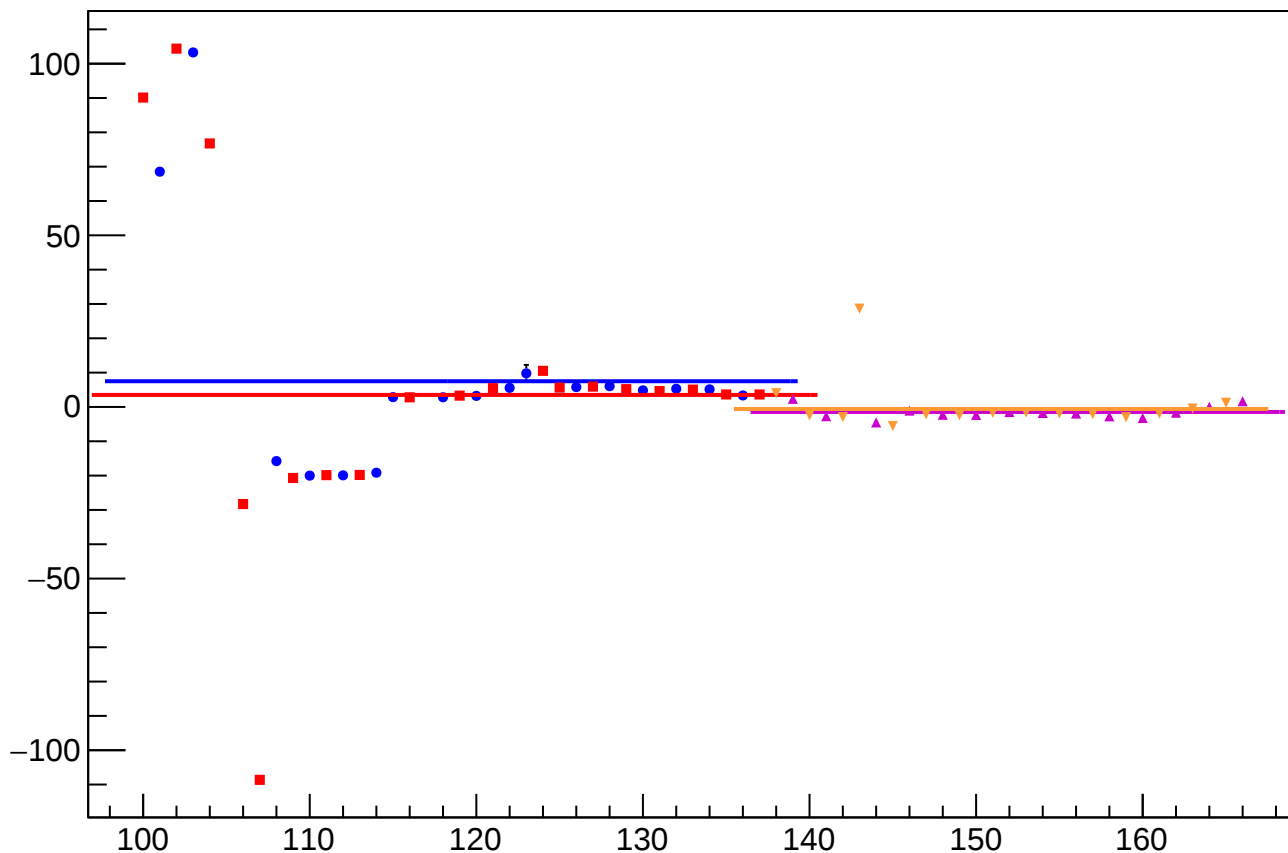
Right: 0.015 ± 0.530 χ^2/NDF : 130.6/35

In: 1.483 ± 0.383 χ^2/NDF : 116.0/30

Out: 2.120 ± 0.379 χ^2/NDF : 88.8/33

All: 1.805 ± 0.270 χ^2/NDF : 206.2/64

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492+/-0.045 χ^2/NDF : 355979.0/16

Left Out: -0.588+/-0.021 χ^2/NDF : 74009.2/14

Right Out: 3.504+/-0.046 χ^2/NDF : 510579.4/18

Left In: -1.456+/-0.021 χ^2/NDF : 7073.9/13

Left: -1.023+/-0.015 χ^2/NDF : 81971.1/28

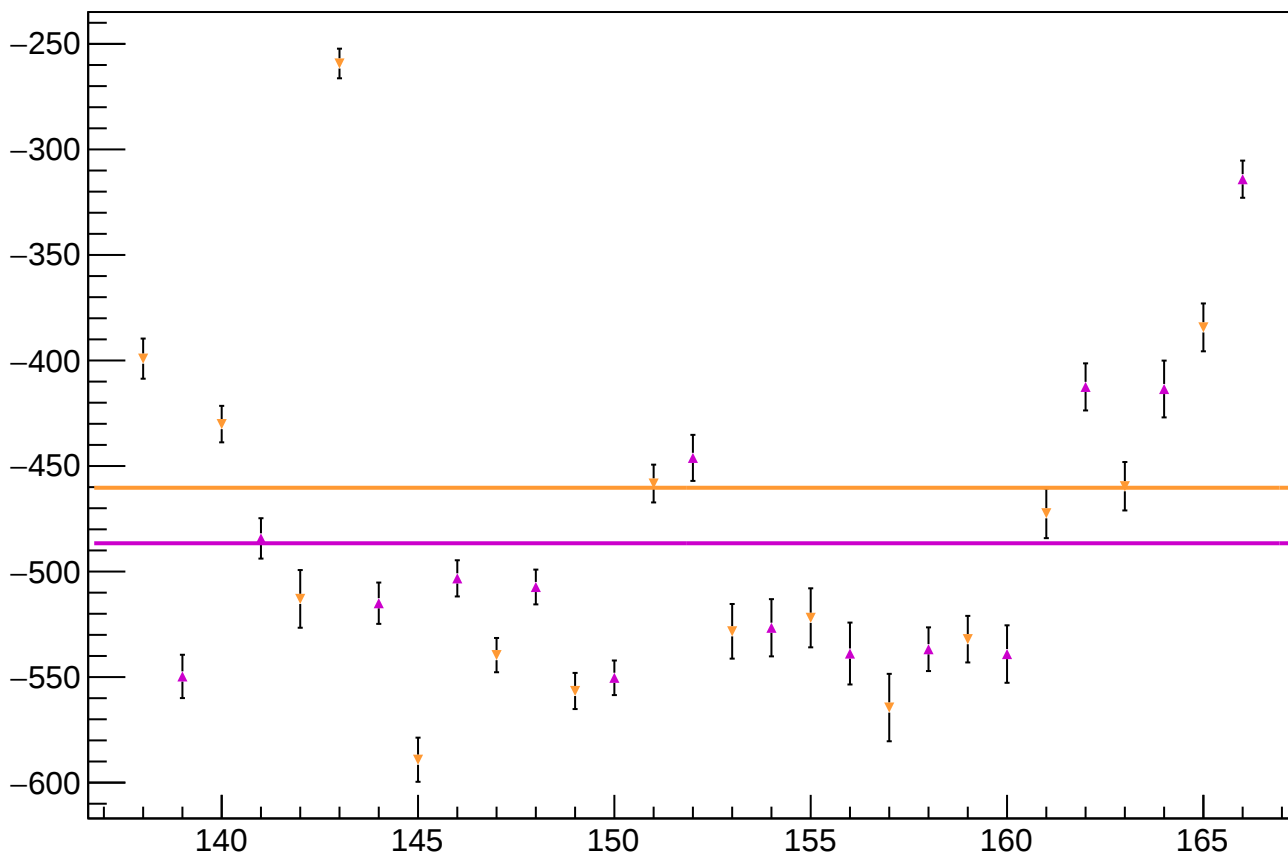
Right: 5.541+/-0.032 χ^2/NDF : 870462.8/35

In: 0.112+/-0.019 χ^2/NDF : 396203.4/30

Out: 0.106+/-0.019 χ^2/NDF : 591267.1/33

All: 0.109+/-0.013 χ^2/NDF : 987470.5/64

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -460.297+/-2.614 χ^2/NDF :1440.3/14

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

Left In: -486.597+/-2.734 χ^2/NDF :647.7/13

Left: -472.857+/-1.890 χ^2/NDF : 2136.3/28

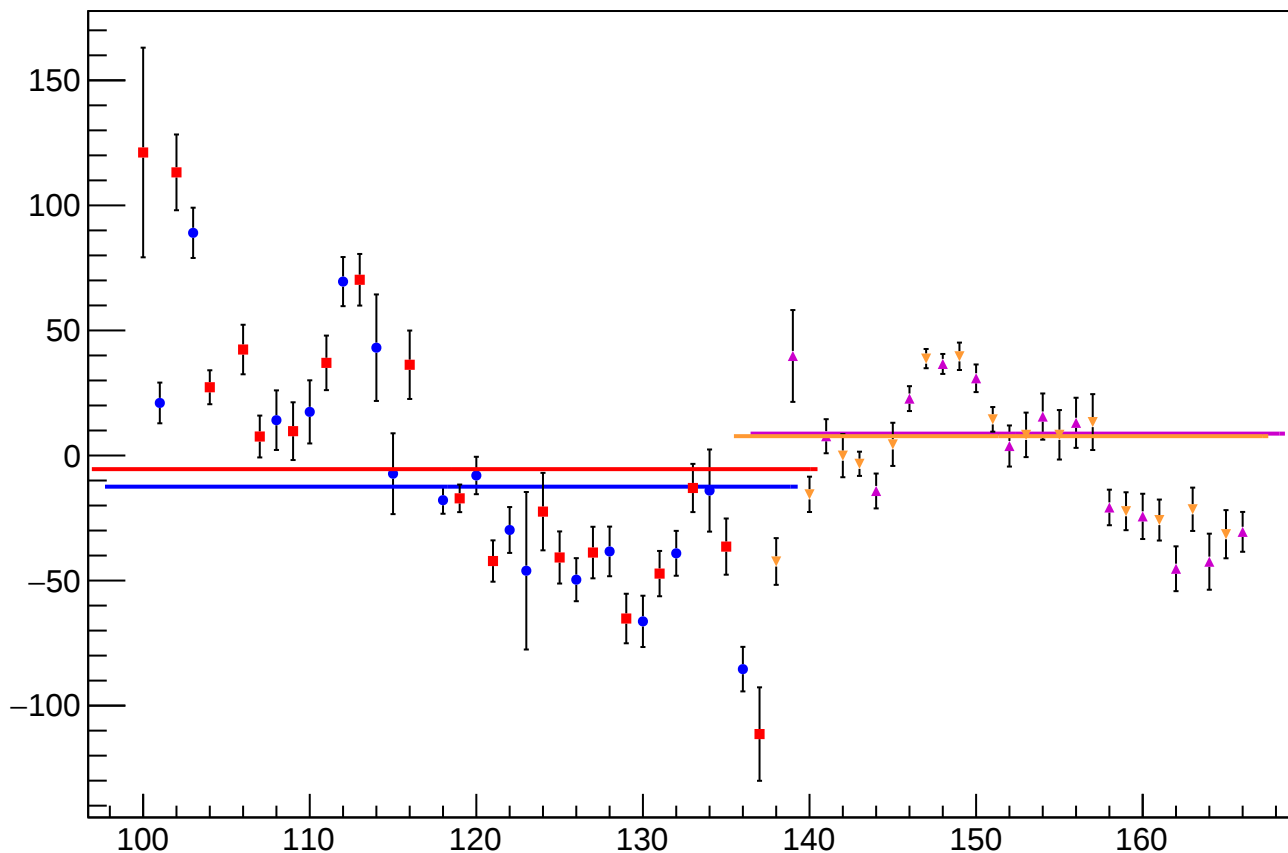
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -486.597+/-2.734 χ^2/NDF :647.7/13

Out: -460.297+/-2.614 χ^2/NDF :1440.3/14

All: -472.857+/-1.890 χ^2/NDF : 2136.3/28

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 7.735 ± 1.740 χ^2/NDF : 207.3/14

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

Left In: 8.749 ± 1.871 χ^2/NDF : 199.7/13

Left: 8.205 ± 1.274 χ^2/NDF : 407.1/28

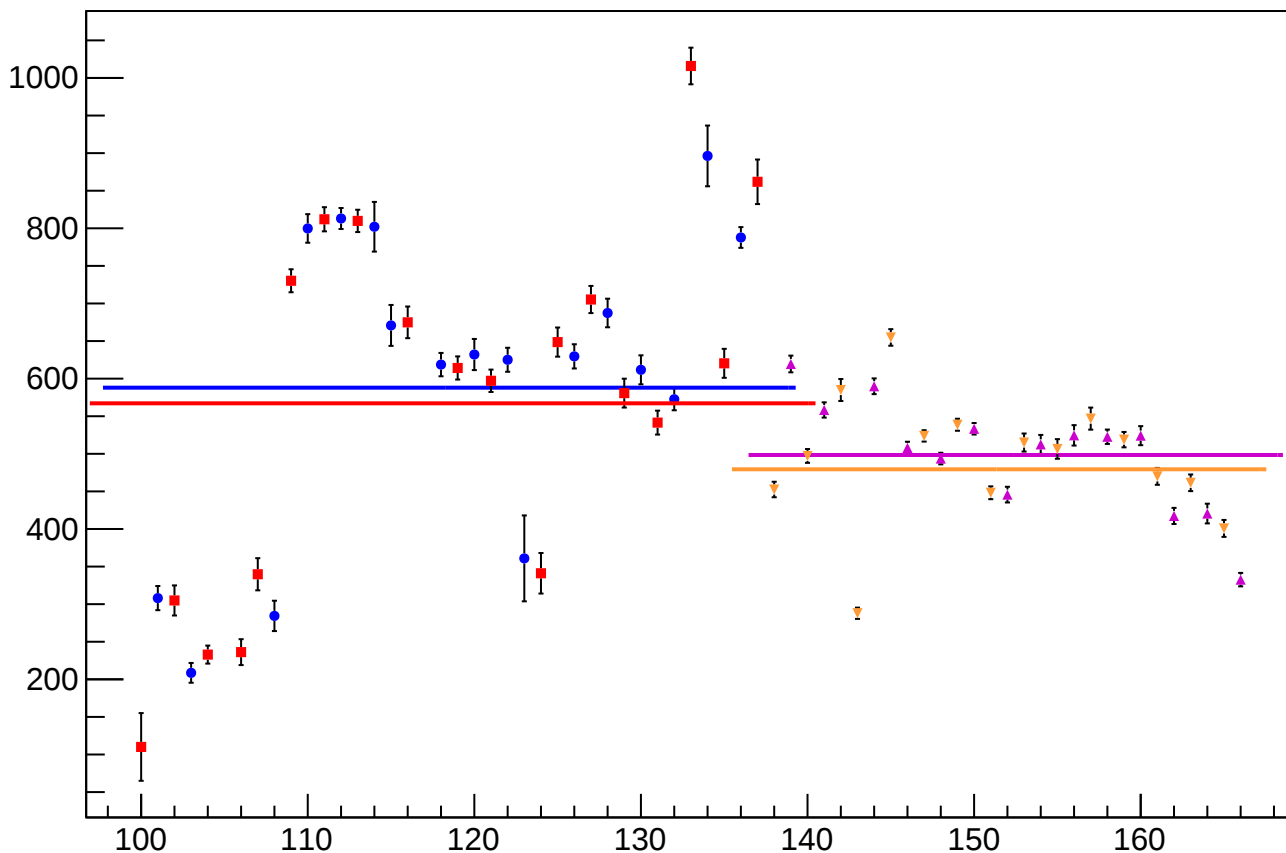
Right: -8.819 ± 1.628 χ^2/NDF : 690.7/35

In: 0.517 ± 1.463 χ^2/NDF : 590.6/30

Out: 2.824 ± 1.378 χ^2/NDF : 573.7/33

All: 1.739 ± 1.003 χ^2/NDF : 1165.6/64

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 $\pm$ 4.353 χ^2 /NDF: 2129.6/16

Left Out: 479.433 $\pm$ 2.585 χ^2 /NDF:1173.2/14

Right Out: 567.179 $\pm$ 4.136 χ^2 /NDF: 2783.2/18

Left In: 498.444 $\pm$ 2.667 χ^2 /NDF:726.8/13

Left: 488.640 $\pm$ 1.856 χ^2 /NDF: 1926.2/28

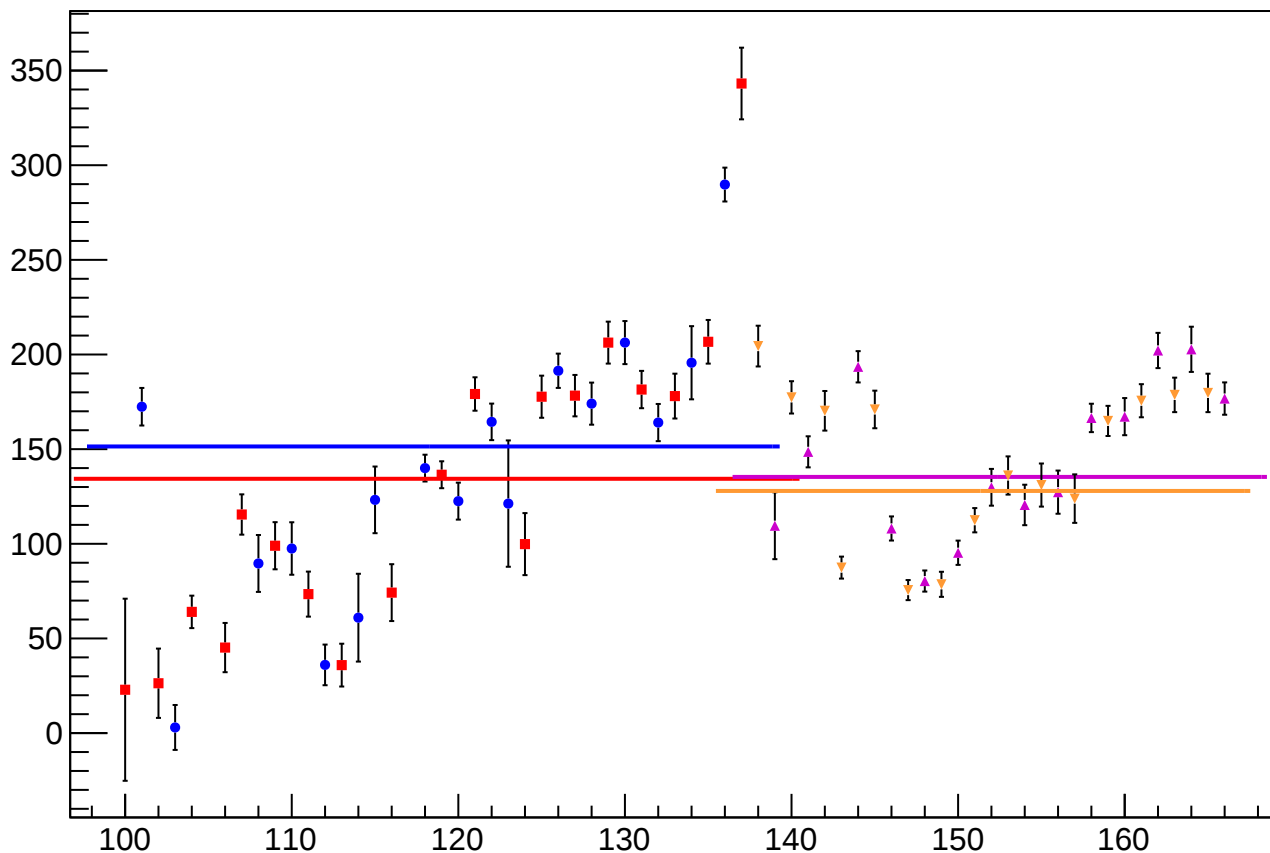
Right: 577.056 $\pm$ 2.998 χ^2 /NDF: 4924.8/35

In: 522.893 $\pm$ 2.274 χ^2 /NDF:3164.2/30

Out: 504.078 $\pm$ 2.192 χ^2 /NDF:4280.0/33

All: 513.139 $\pm$ 1.578 χ^2 /NDF: 7479.7/64

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Left: 131.397 $\pm$ 1.526 χ^2/NDF : 787.6/28

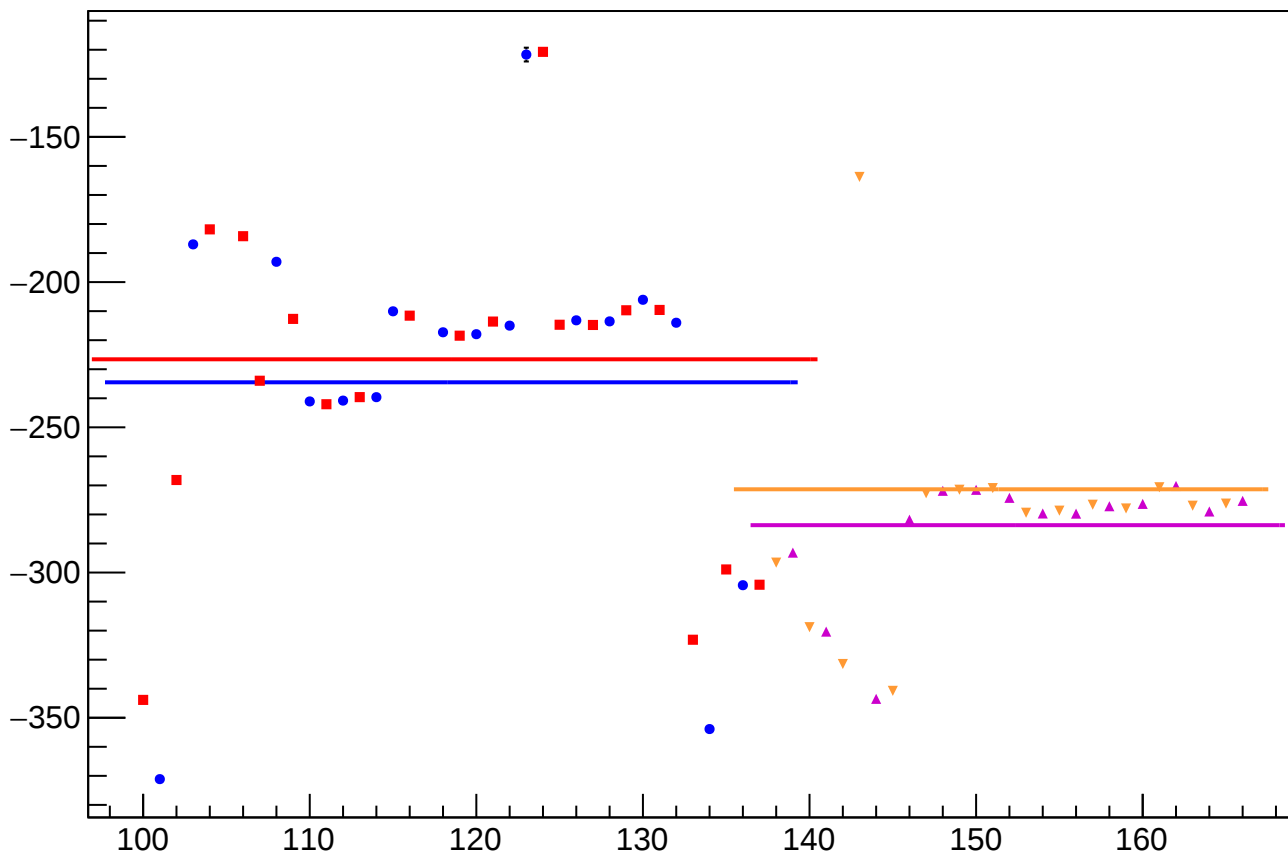
Right: 142.583 $\pm$ 1.882 χ^2/NDF : 1238.7/35

In: 141.831 $\pm$ 1.721 χ^2/NDF : 1000.3/30

Out: 130.431 $\pm$ 1.635 χ^2/NDF : 1024.3/33

All: 135.836 $\pm$ 1.185 χ^2/NDF : 2047.7/64

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -271.337+/-0.104 χ^2/NDF :182982.9/14

Right Out: -226.581+/-0.141 χ^2/NDF : 98968.8/18

Left In: -283.690+/-0.107 χ^2/NDF :31057.6/13

Left: -277.326+/-0.075 χ^2/NDF : 220858.3/28

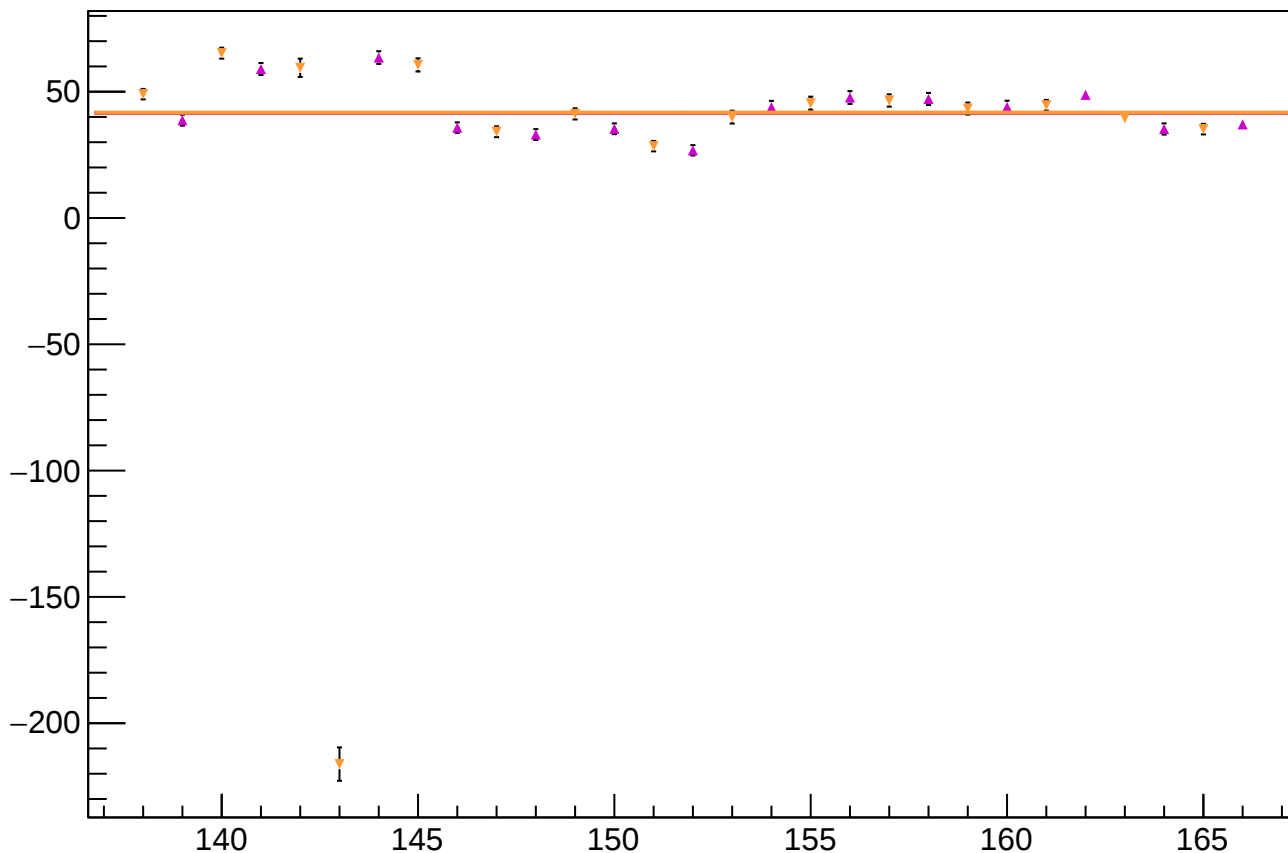
Right: -230.333+/-0.103 χ^2/NDF : 245501.4/35

In: -266.880+/-0.087 χ^2/NDF :247816.6/30

Out: -255.592+/-0.084 χ^2/NDF :346884.8/33

All: -261.022+/-0.060 χ^2/NDF : 603414.9/64

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 41.558+/-0.592 χ^2/NDF :256.3/13

Left: 41.642+/-0.425 χ^2/NDF : 2056.9/28

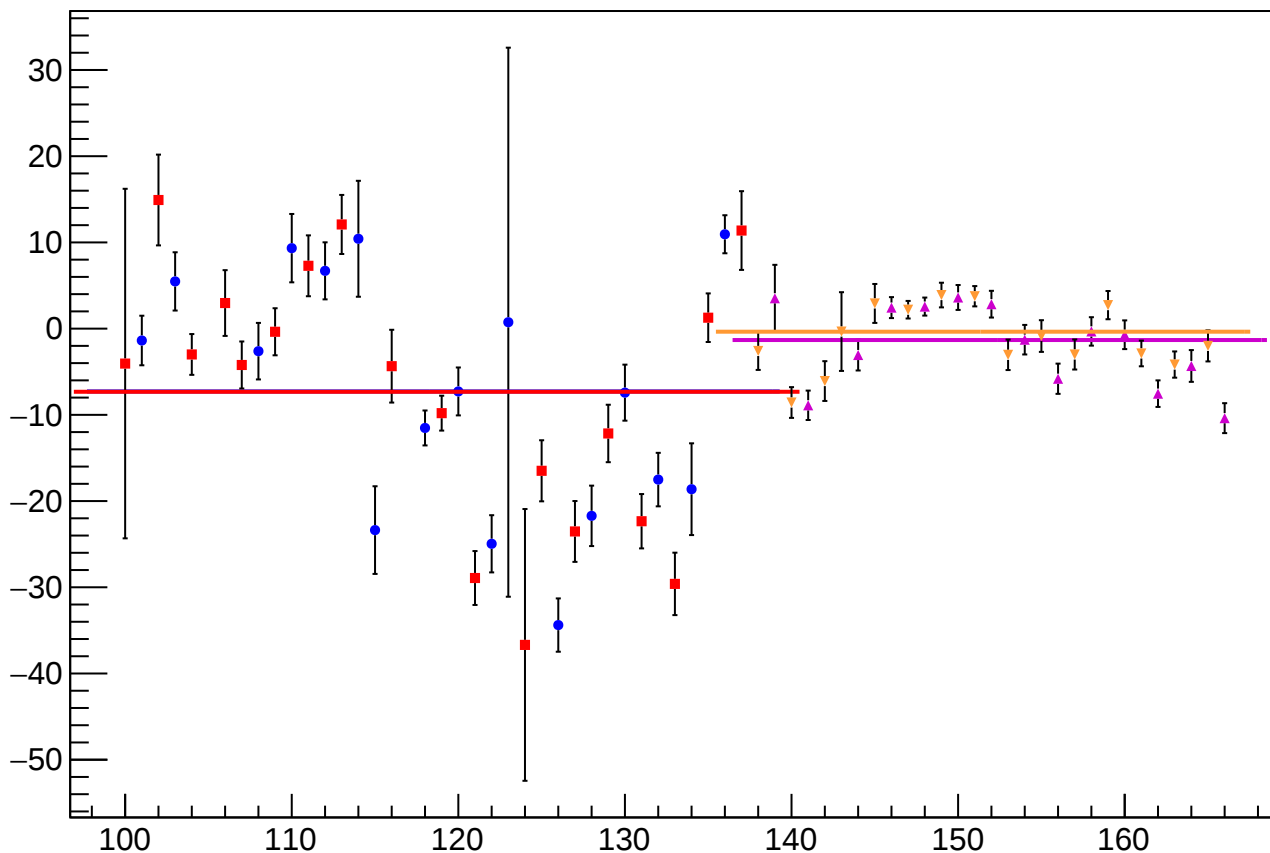
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 41.558+/-0.592 χ^2/NDF :256.3/13

Out: 41.731+/-0.610 χ^2/NDF :1800.6/14

All: 41.642+/-0.425 χ^2/NDF : 2056.9/28

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -0.355 ± 0.421 χ^2/NDF : 76.0/14

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

Left In: -1.322 ± 0.421 χ^2/NDF : 117.7/13

Left: -0.839 ± 0.298 χ^2/NDF : 196.4/28

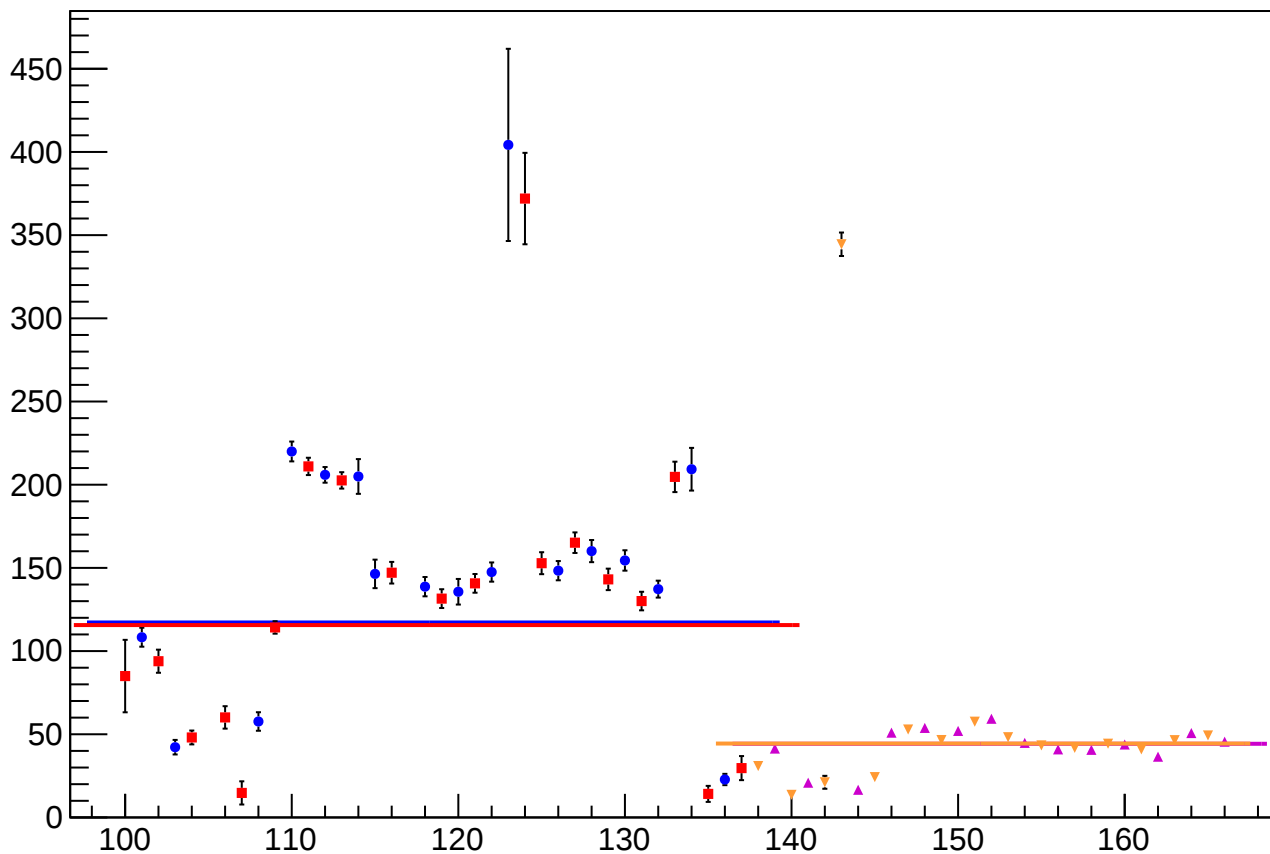
Right: -7.304 ± 0.548 χ^2/NDF : 538.5/35

In: -2.643 ± 0.371 χ^2/NDF : 445.4/30

Out: -1.990 ± 0.369 χ^2/NDF : 395.5/33

All: -2.315 ± 0.262 χ^2/NDF : 842.5/64

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 $\pm$ 1.416 χ^2 /NDF: 2161.0/16

Left Out: 44.426 $\pm$ 0.594 χ^2 /NDF:2189.7/14

Right Out: 115.632 $\pm$ 1.361 χ^2 /NDF: 2137.6/18

Left In: 44.278 $\pm$ 0.576 χ^2 /NDF:331.9/13

Left: 44.349 $\pm$ 0.414 χ^2 /NDF: 2521.6/28

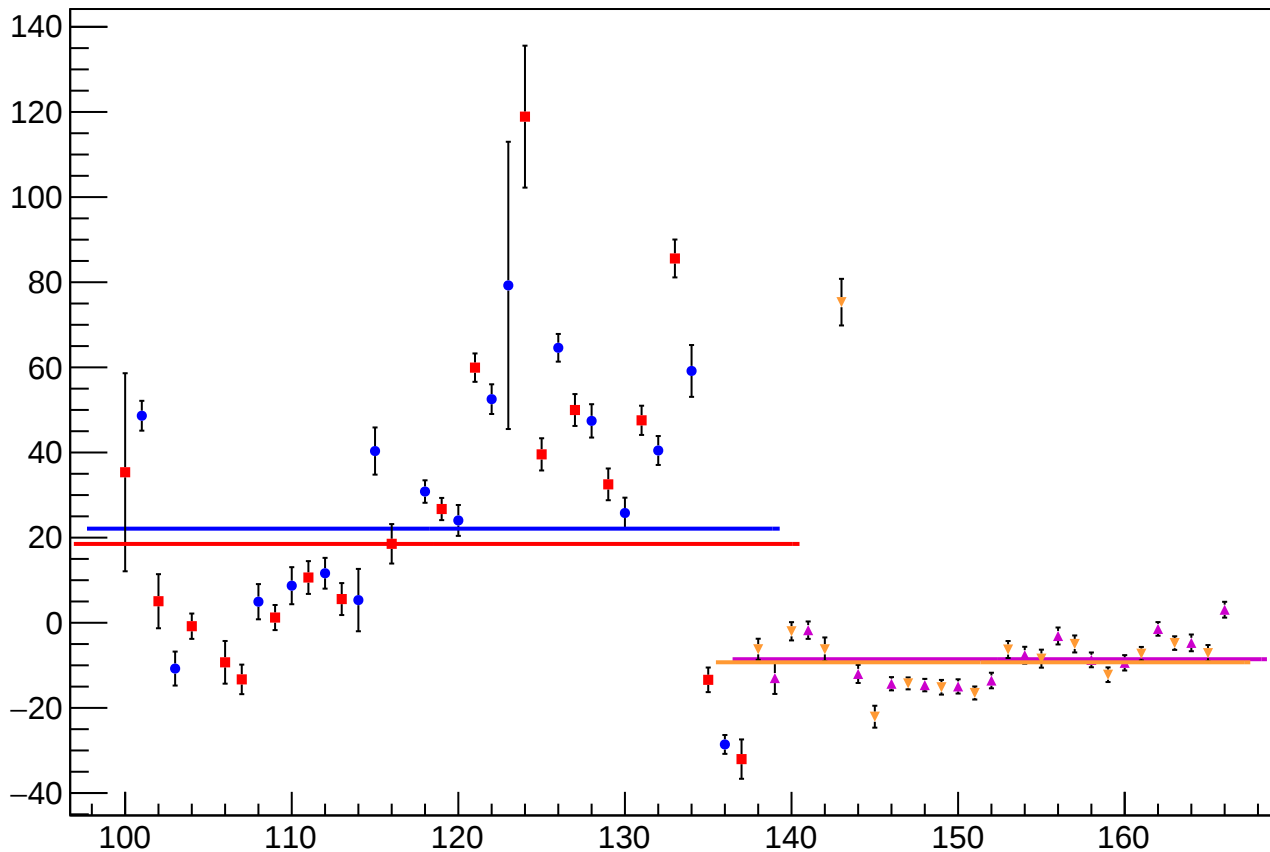
Right: 116.378 $\pm$ 0.981 χ^2 /NDF: 4299.2/35

In: 54.637 $\pm$ 0.534 χ^2 /NDF:4766.3/30

Out: 55.807 $\pm$ 0.544 χ^2 /NDF:6627.0/33

All: 55.211 $\pm$ 0.381 χ^2 /NDF: 11395.6/64

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -9.284 $\pm$ 0.495 χ^2 /NDF:344.6/14

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

Left In: -8.562 $\pm$ 0.491 χ^2 /NDF:138.9/13

Left: -8.920 $\pm$ 0.348 χ^2 /NDF: 484.6/28

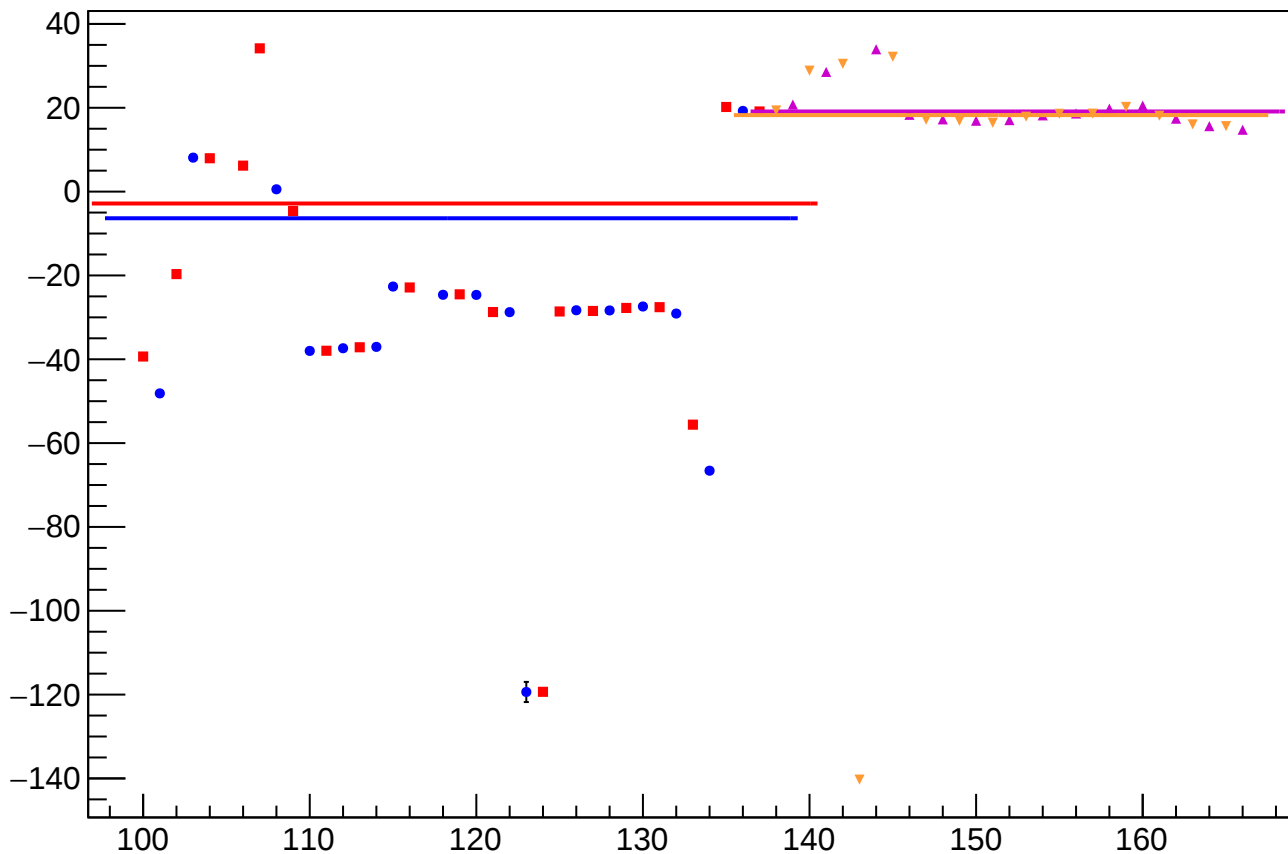
Right: 20.261 $\pm$ 0.625 χ^2 /NDF: 2147.1/35

In: -1.508 $\pm$ 0.431 χ^2 /NDF:2107.2/30

Out: -2.506 $\pm$ 0.430 χ^2 /NDF:2183.6/33

All: -2.007 $\pm$ 0.304 χ^2 /NDF: 4293.4/64

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 18.250 ± 0.023 χ^2/NDF : 351098.7/14

Right Out: -2.837 ± 0.046 χ^2/NDF : 265573.0/18

Left In: 19.116 ± 0.023 χ^2/NDF : 31919.8/13

Left: 18.693 ± 0.016 χ^2/NDF : 383723.7/28

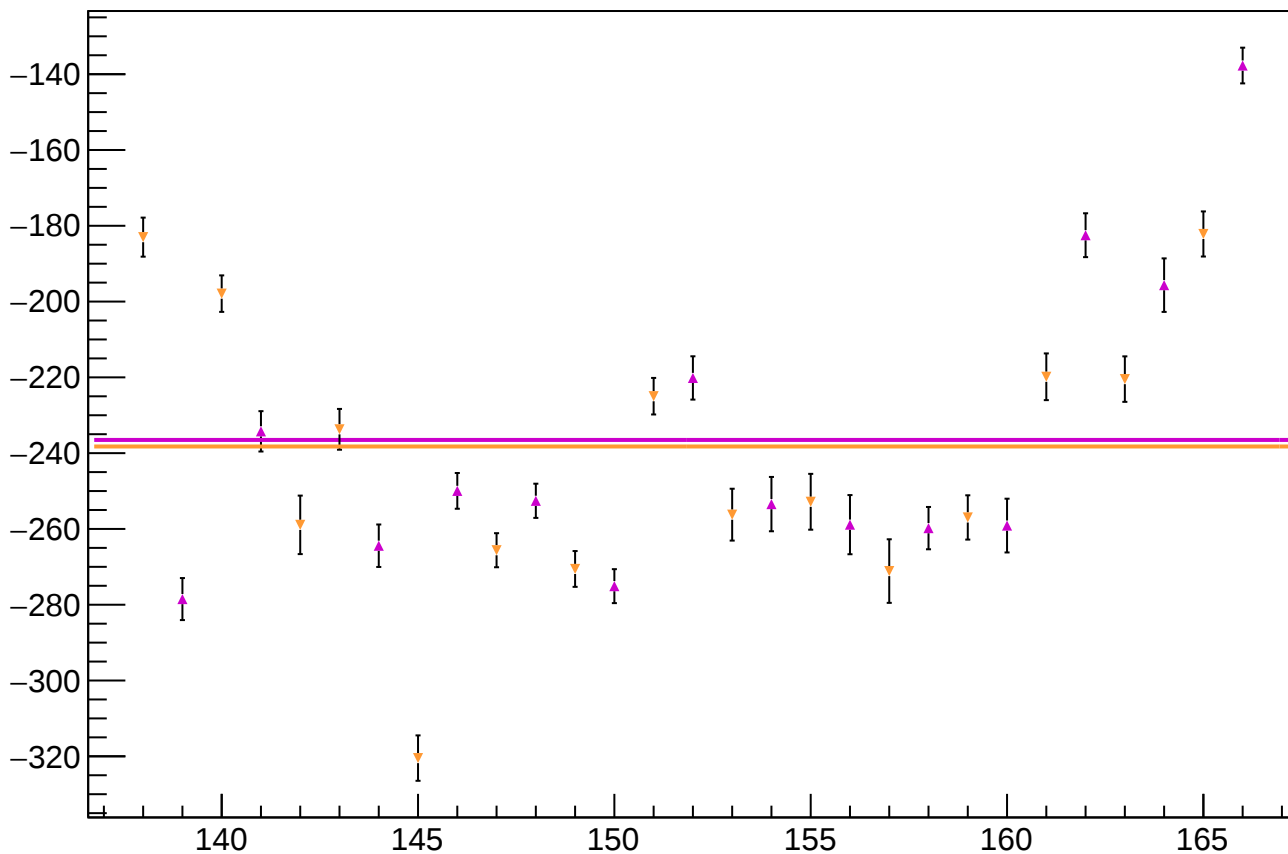
Right: -4.577 ± 0.033 χ^2/NDF : 533252.4/35

In: 14.151 ± 0.020 χ^2/NDF : 540273.6/30

Out: 13.902 ± 0.021 χ^2/NDF : 785340.9/33

All: 14.028 ± 0.015 χ^2/NDF : 1325687.4/64

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -238.242+/-1.470 χ^2/NDF : 615.8/14

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

Left In: -236.512+/-1.480 χ^2/NDF : 786.8/13

Left: -237.383+/-1.043 χ^2/NDF : 1403.2/28

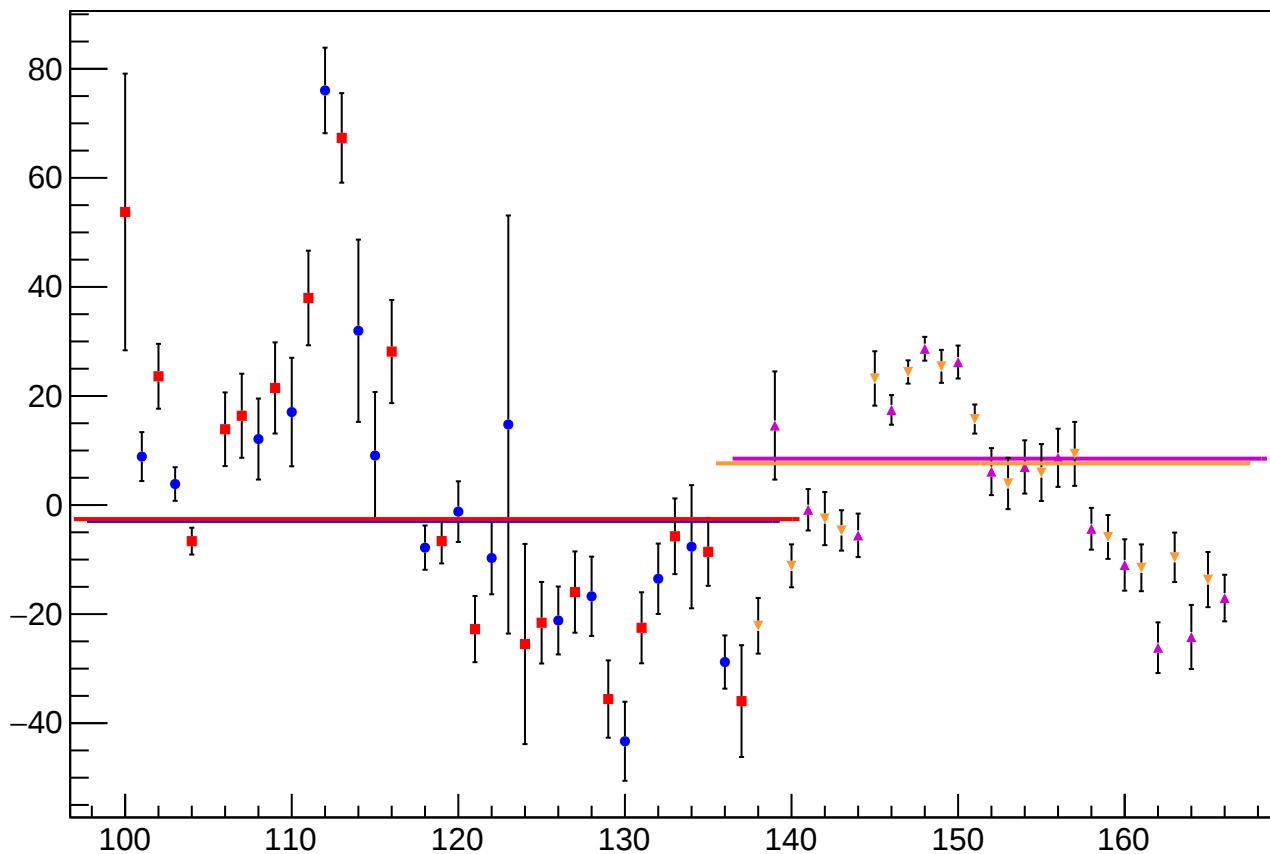
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -236.512+/-1.480 χ^2/NDF : 786.8/13

Out: -238.242+/-1.470 χ^2/NDF : 615.8/14

All: -237.383+/-1.043 χ^2/NDF : 1403.2/28

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 7.648 ± 0.979 χ^2/NDF : 251.9/14

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

Left In: 8.509 ± 1.015 χ^2/NDF : 300.3/13

Left: 8.063 ± 0.705 χ^2/NDF : 552.5/28

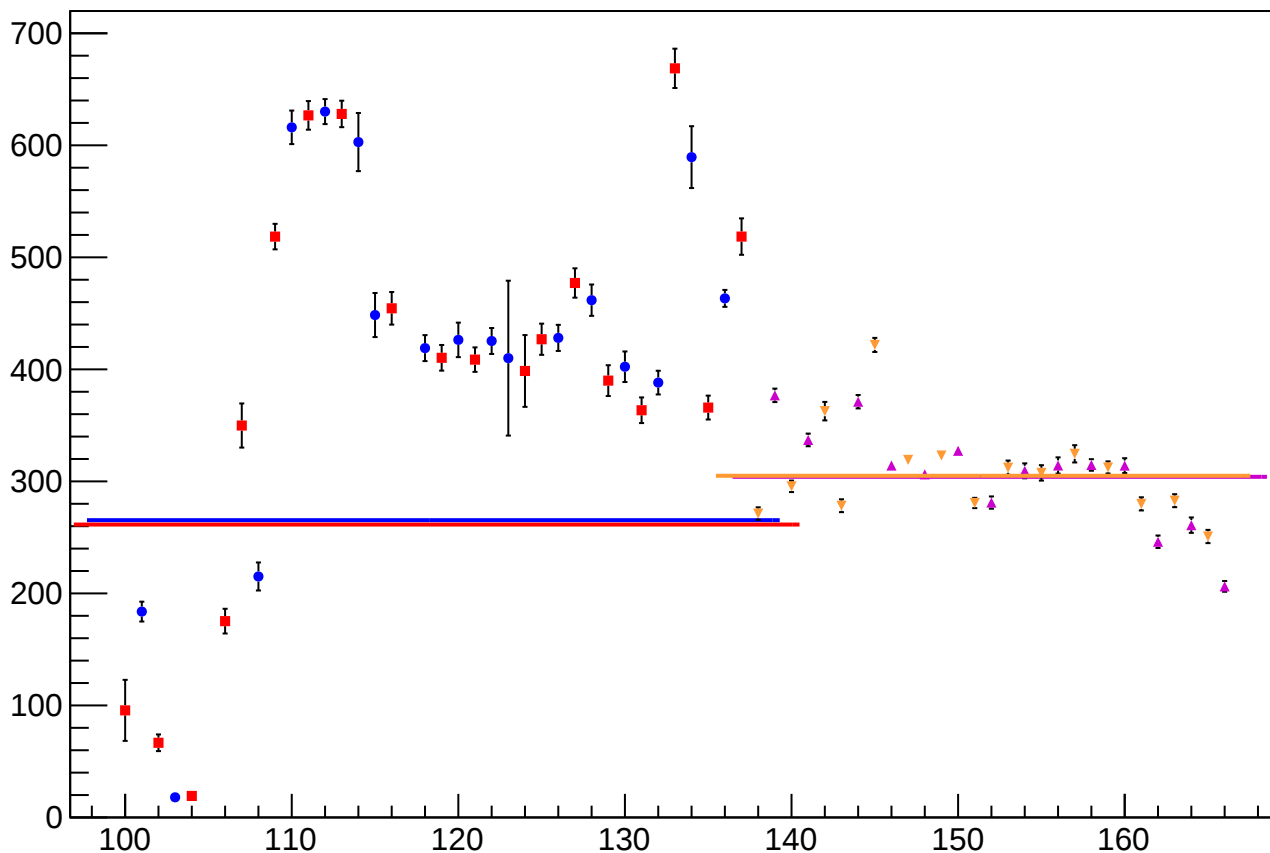
Right: -2.728 ± 1.011 χ^2/NDF : 421.8/35

In: 4.815 ± 0.835 χ^2/NDF : 544.8/30

Out: 4.280 ± 0.802 χ^2/NDF : 506.0/33

All: 4.537 ± 0.578 χ^2/NDF : 1051.0/64

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 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: 304.077 $\pm$ 1.442 χ^2 /NDF:930.9/13

Left: 304.546 $\pm$ 1.020 χ^2 /NDF: 1568.7/28

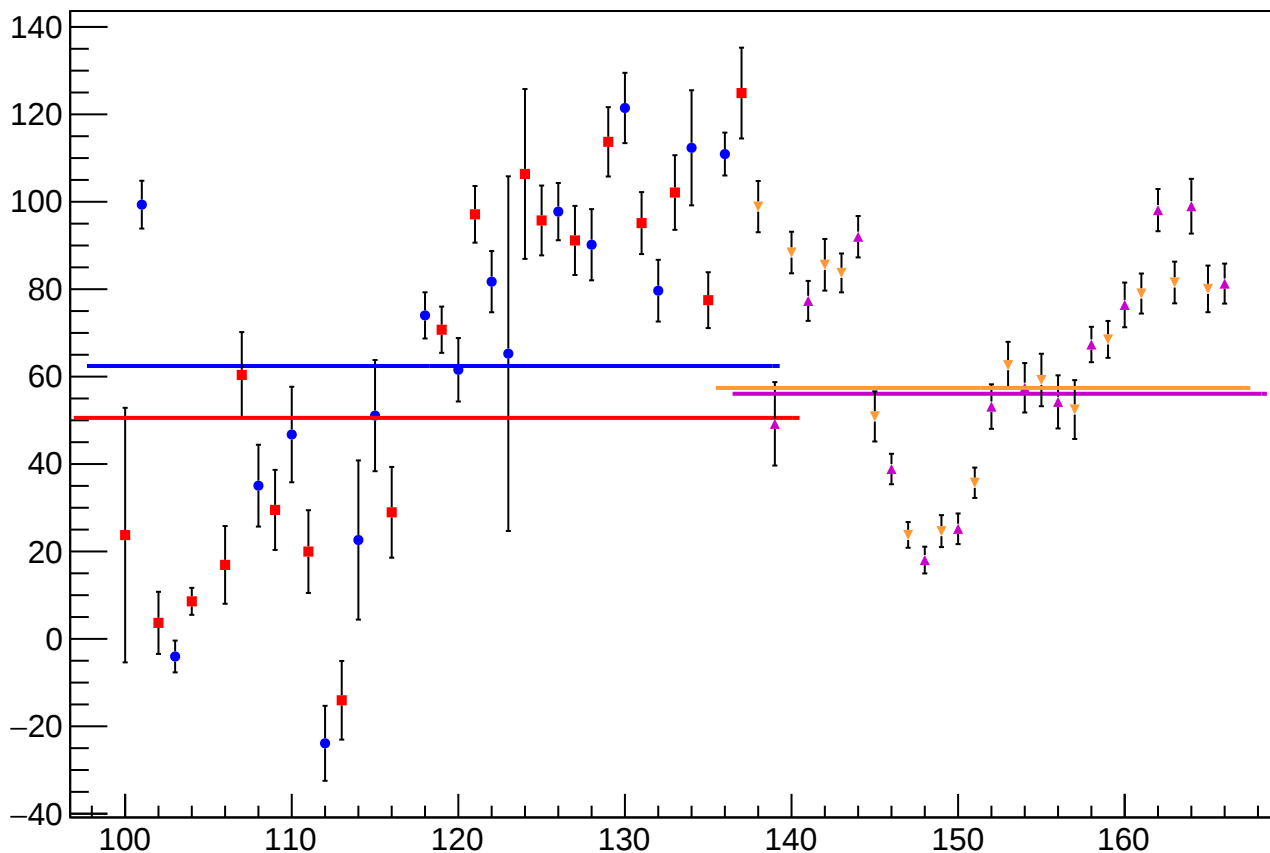
Right: 263.393 $\pm$ 1.749 χ^2 /NDF: 15839.3/35

In: 294.348 $\pm$ 1.247 χ^2 /NDF:8745.9/30

Out: 293.846 $\pm$ 1.245 χ^2 /NDF:9075.3/33

All: 294.097 $\pm$ 0.881 χ^2 /NDF: 17821.3/64

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 57.415+/-1.175 χ^2/NDF : 476.1/14

Right Out: 50.560+/-1.642 χ^2/NDF : 657.4/18

Left In: 56.078+/-1.207 χ^2/NDF : 513.4/13

Left: 56.764+/-0.842 χ^2/NDF : 990.1/28

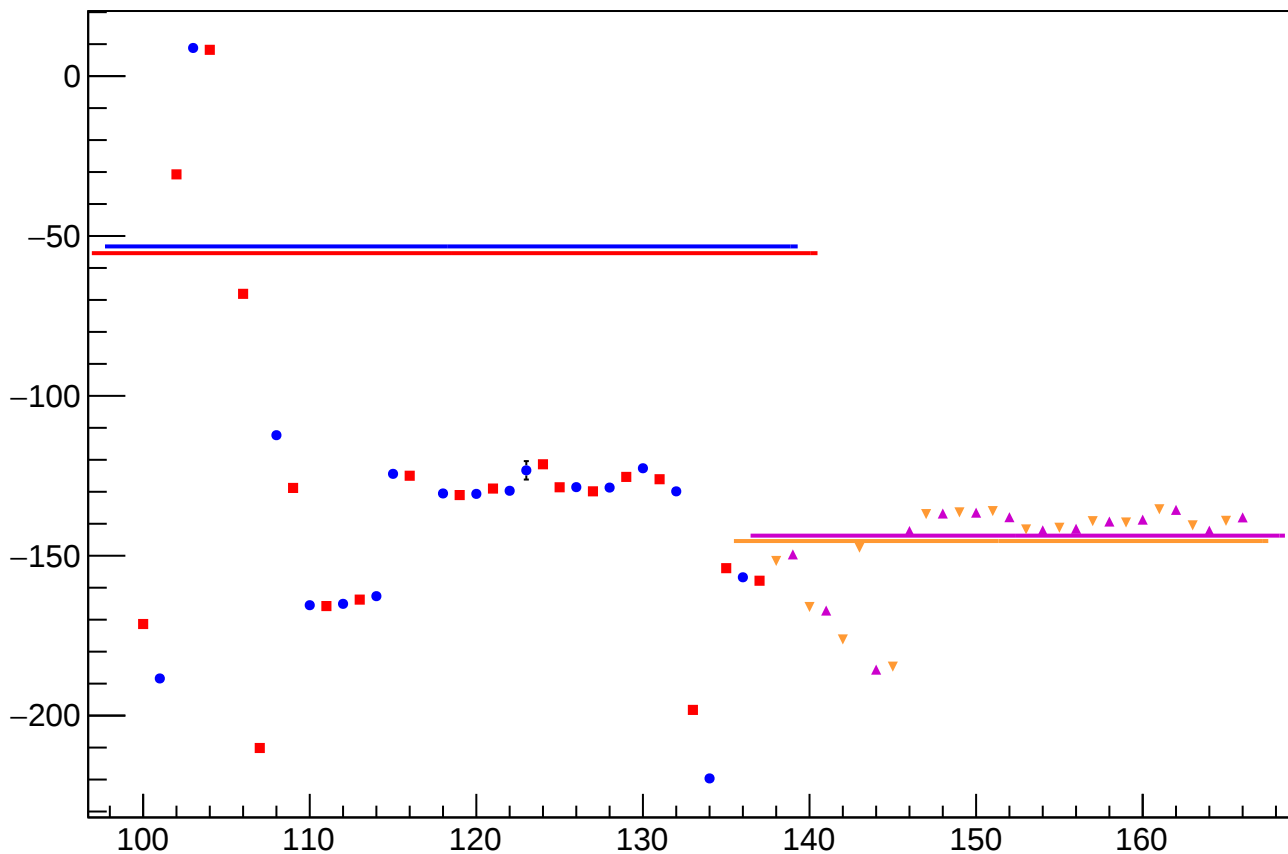
Right: 56.313+/-1.179 χ^2/NDF : 1404.5/35

In: 58.219+/-0.983 χ^2/NDF : 1244.5/30

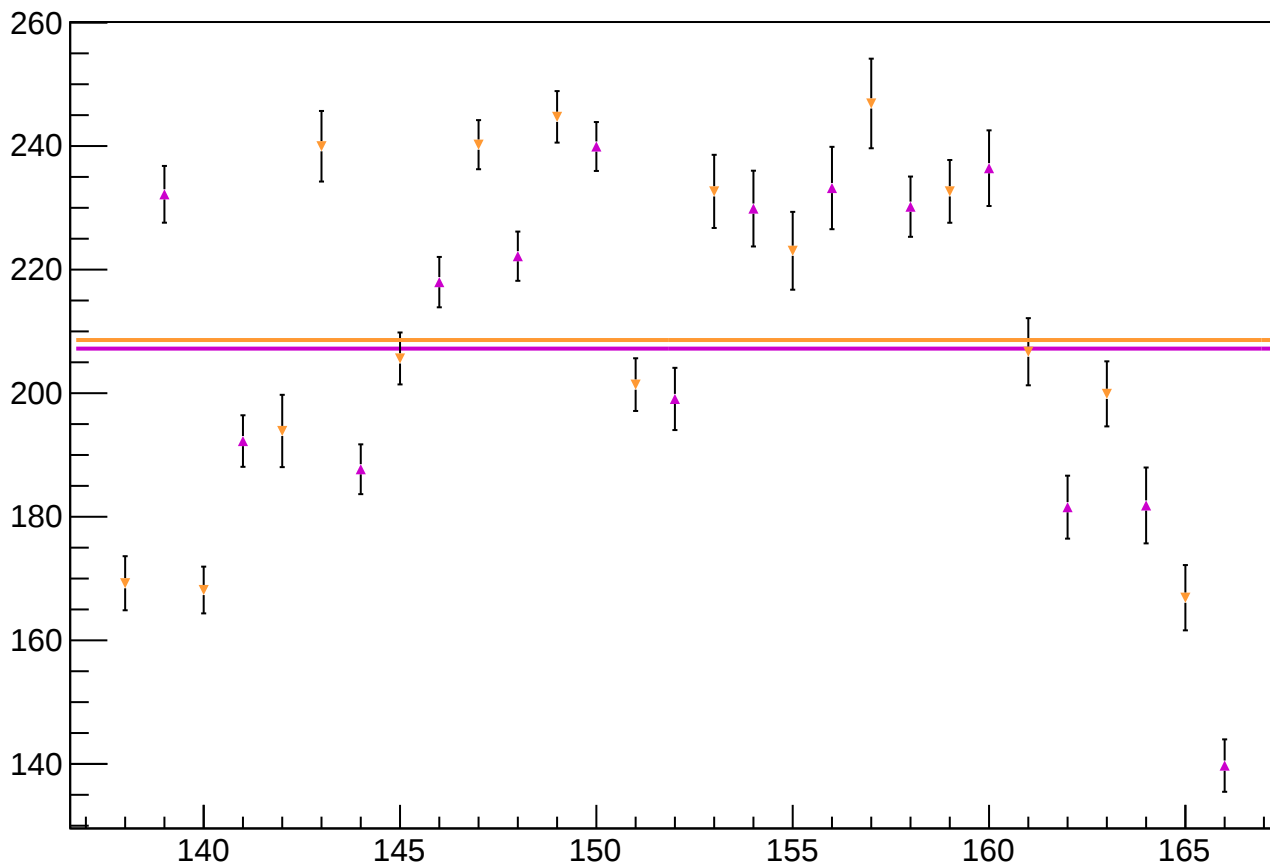
Out: 55.093+/-0.956 χ^2/NDF : 1145.0/33

All: 56.612+/-0.685 χ^2/NDF : 2394.6/64

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 208.604+/-1.258 χ^2/NDF :510.7/14

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

Left In: 207.214+/-1.259 χ^2/NDF :527.1/13

Left: 207.910+/-0.890 χ^2/NDF : 1038.5/28

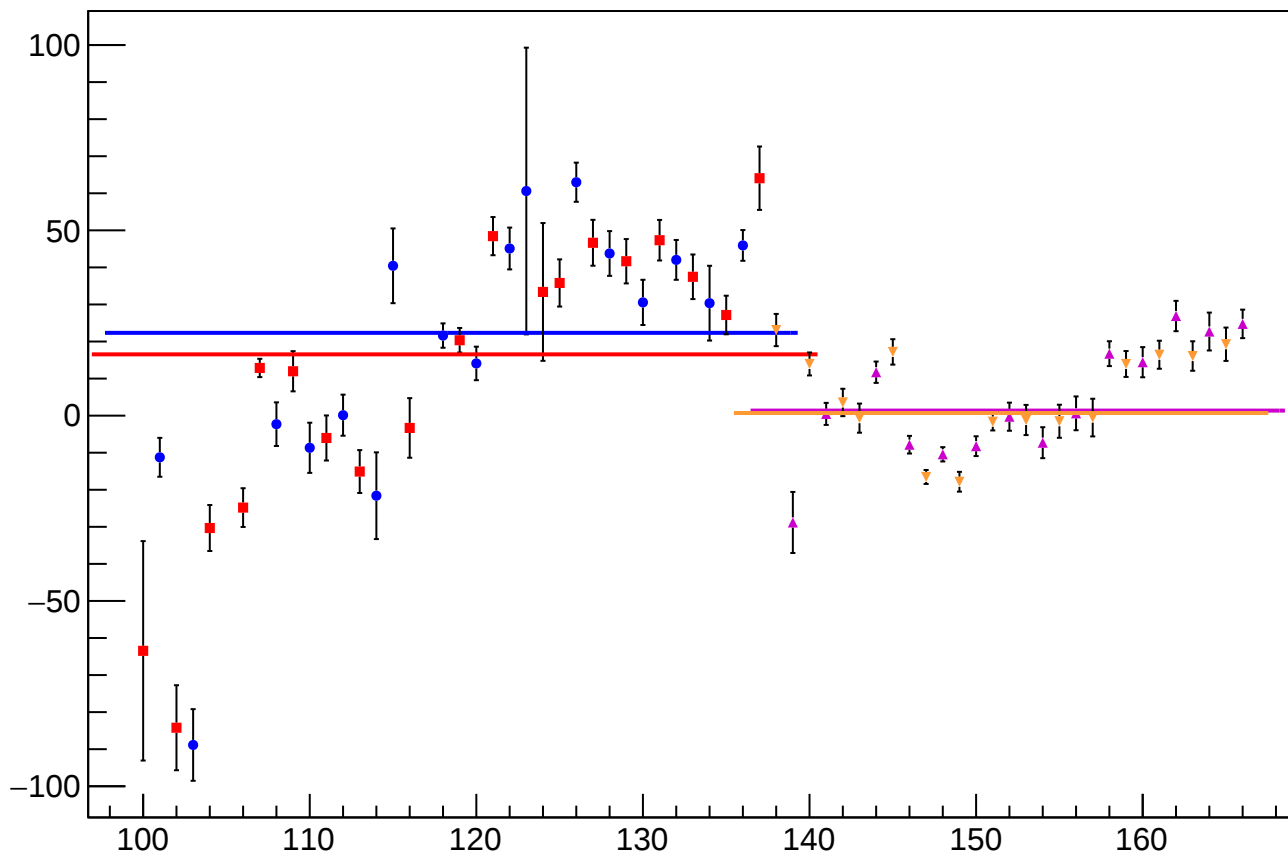
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 207.214+/-1.259 χ^2/NDF :527.1/13

Out: 208.604+/-1.258 χ^2/NDF :510.7/14

All: 207.910+/-0.890 χ^2/NDF : 1038.5/28

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 ± 1.395 χ^2/NDF : 385.8/16

Left Out: 0.708 ± 0.846 χ^2/NDF : 265.8/14

Right Out: 16.537 ± 1.227 χ^2/NDF : 426.6/18

Left In: 1.363 ± 0.869 χ^2/NDF : 220.8/13

Left: 1.027 ± 0.606 χ^2/NDF : 486.9/28

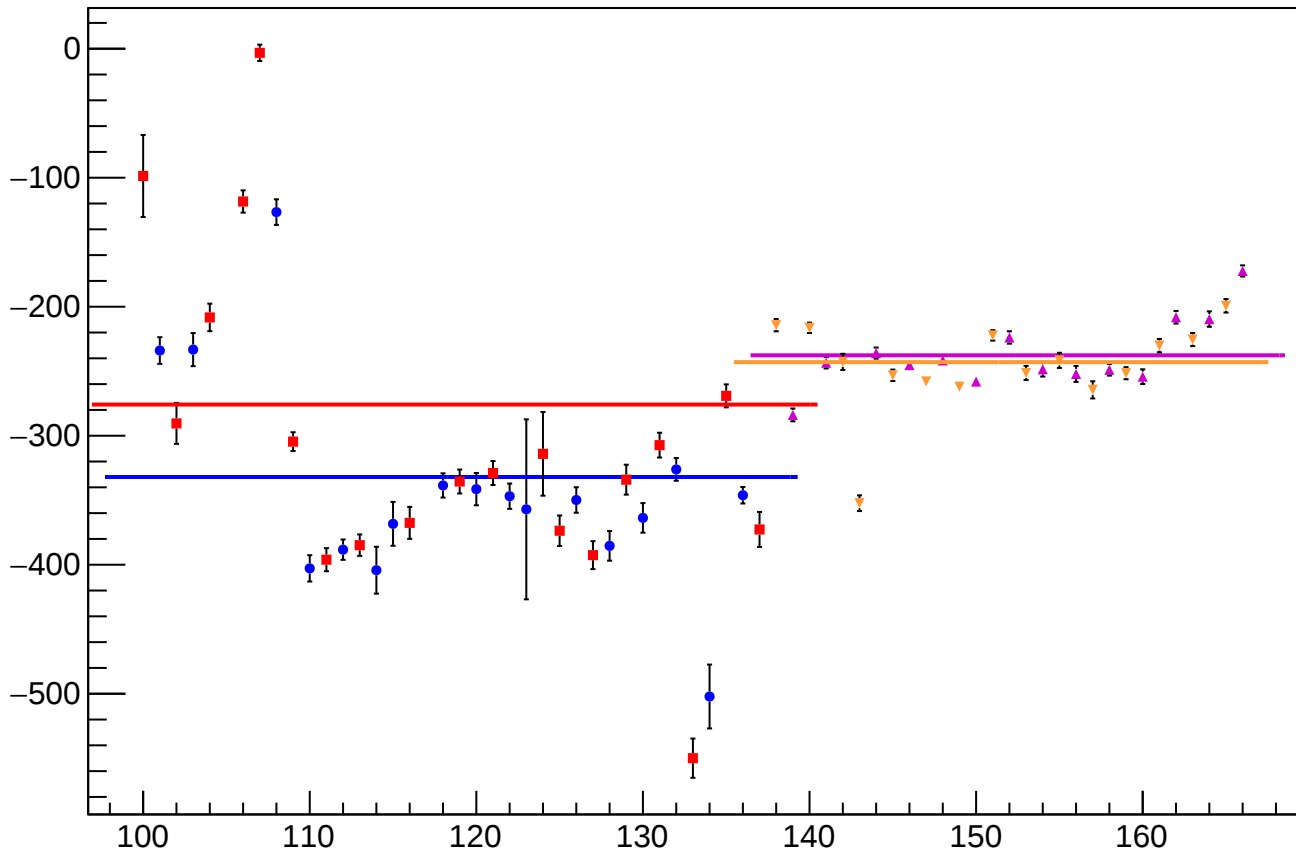
Right: 19.069 ± 0.922 χ^2/NDF : 822.2/35

In: 7.229 ± 0.738 χ^2/NDF : 769.5/30

Out: 5.810 ± 0.697 χ^2/NDF : 805.1/33

All: 6.479 ± 0.507 χ^2/NDF : 1576.5/64

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989 ± 2.580 $\chi^2/\text{NDF}: 785.0/16$

Left Out: -242.946 ± 1.241 $\chi^2/\text{NDF}: 576.8/14$

Right Out: -275.842 ± 2.325 $\chi^2/\text{NDF}: 3362.2/18$

Left In: -237.669 ± 1.232 $\chi^2/\text{NDF}: 442.4/13$

Left: -240.289 ± 0.874 $\chi^2/\text{NDF}: 1028.3/28$

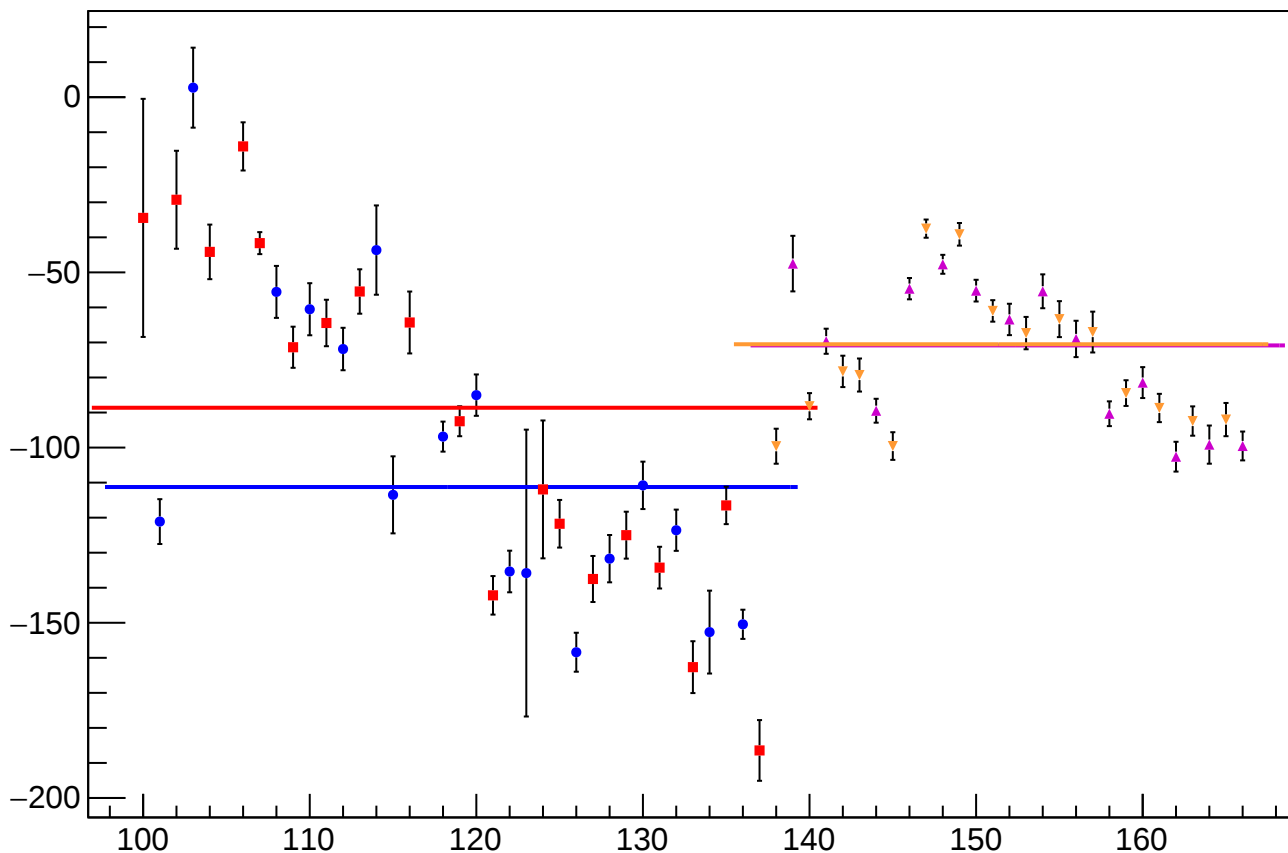
Right: -300.997 ± 1.727 $\chi^2/\text{NDF}: 4408.6/35$

In: -255.182 ± 1.112 $\chi^2/\text{NDF}: 2315.5/30$

Out: -250.237 ± 1.094 $\chi^2/\text{NDF}: 4094.9/33$

All: -252.671 ± 0.780 $\chi^2/\text{NDF}: 6420.4/64$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -70.843 ± 1.032 χ^2/NDF : 346.5/13

Left: -70.675 ± 0.723 χ^2/NDF : 814.4/28

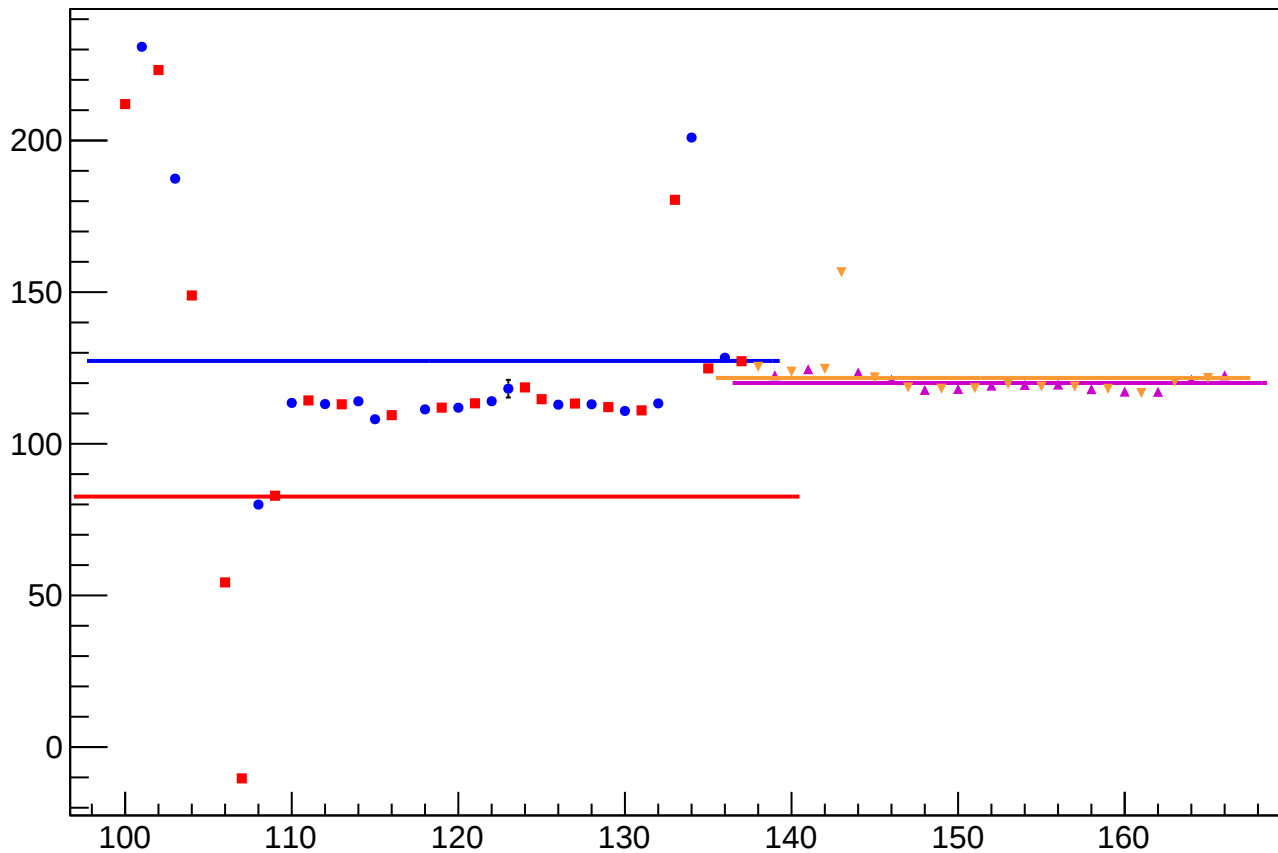
Right: -98.723 ± 1.067 χ^2/NDF : 1591.7/35

In: -82.752 ± 0.867 χ^2/NDF : 1307.7/30

Out: -76.558 ± 0.828 χ^2/NDF : 1545.4/33

All: -79.511 ± 0.599 χ^2/NDF : 2879.8/64

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 121.713 $\pm$ 0.050 χ^2 /NDF: 23673.1/14

Right Out: 82.595 $\pm$ 0.075 χ^2 /NDF: 765022.5/18

Left In: 120.055 $\pm$ 0.049 χ^2 /NDF: 2391.8/13

Left: 120.878 $\pm$ 0.035 χ^2 /NDF: 26623.4/28

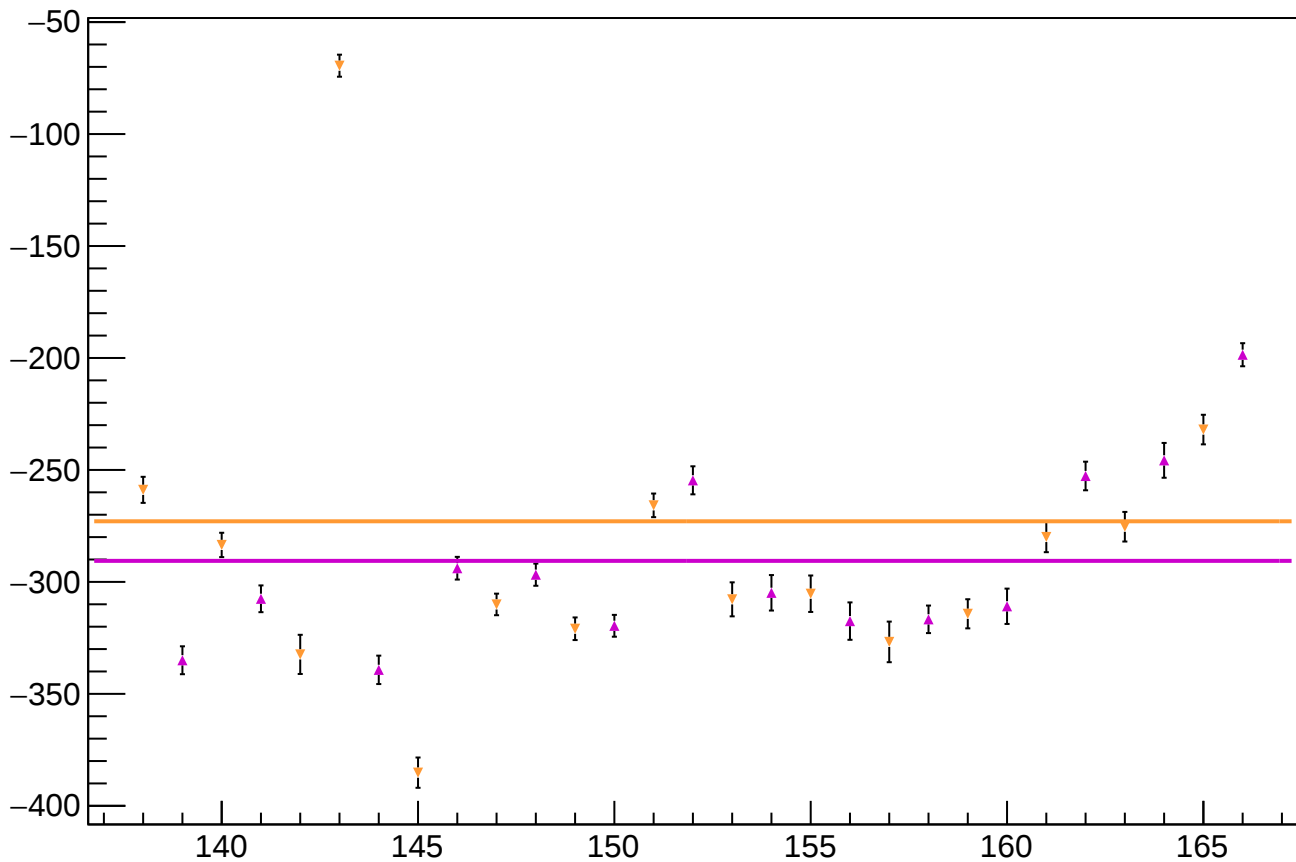
Right: 101.169 $\pm$ 0.058 χ^2 /NDF: 1099026.8/35

In: 121.757 $\pm$ 0.043 χ^2 /NDF: 195225.1/30

Out: 109.827 $\pm$ 0.042 χ^2 /NDF: 976200.4/33

All: 115.547 $\pm$ 0.030 χ^2 /NDF: 1210958.6/64

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -272.933+/-1.594 χ^2/NDF :2342.5/14

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

Left In: -290.606+/-1.628 χ^2/NDF :613.8/13

Left: -281.584+/-1.139 χ^2/NDF : 3016.4/28

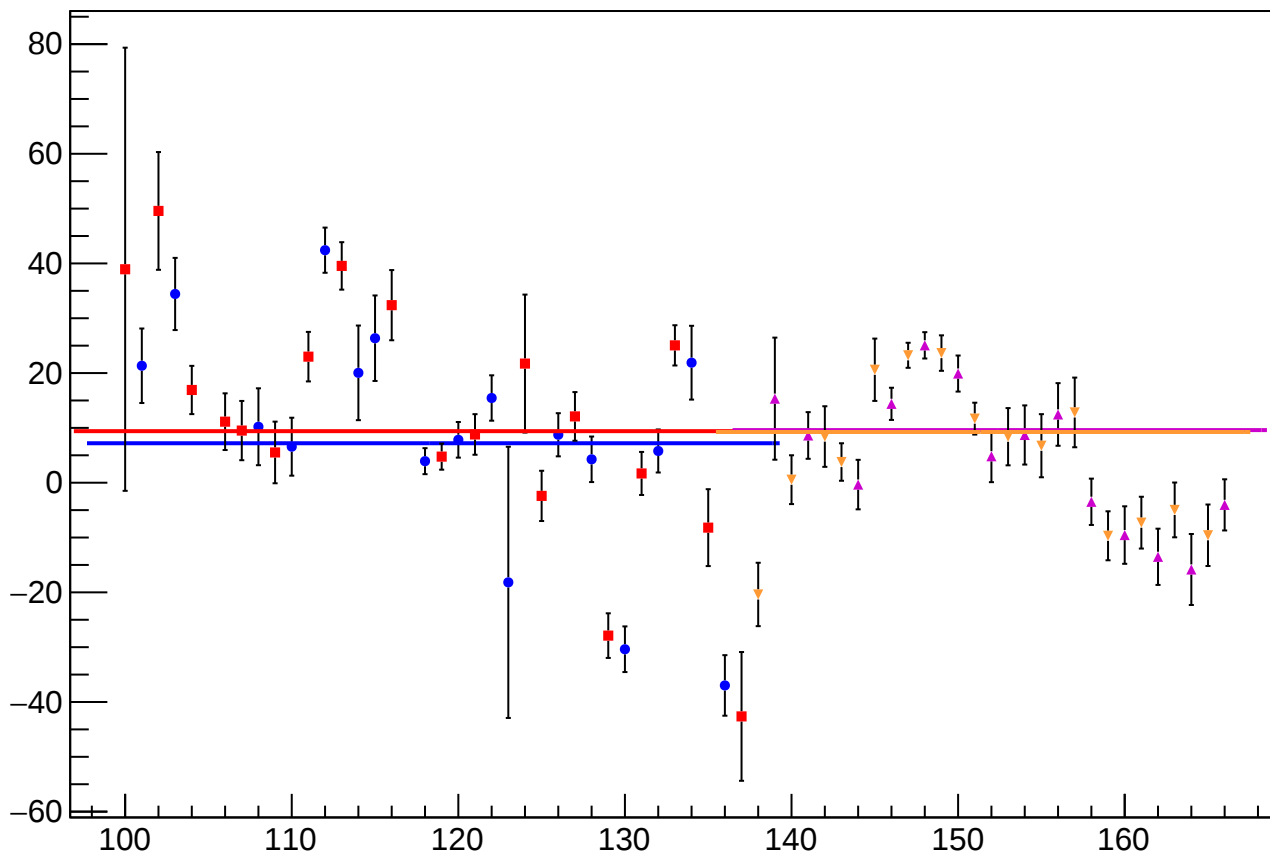
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -290.606+/-1.628 χ^2/NDF :613.8/13

Out: -272.933+/-1.594 χ^2/NDF :2342.5/14

All: -281.584+/-1.139 χ^2/NDF : 3016.4/28

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 9.252 ± 1.058 χ^2/NDF : 144.8/14

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

Left In: 9.597 ± 1.115 χ^2/NDF : 127.6/13

Left: 9.415 ± 0.767 χ^2/NDF : 272.5/28

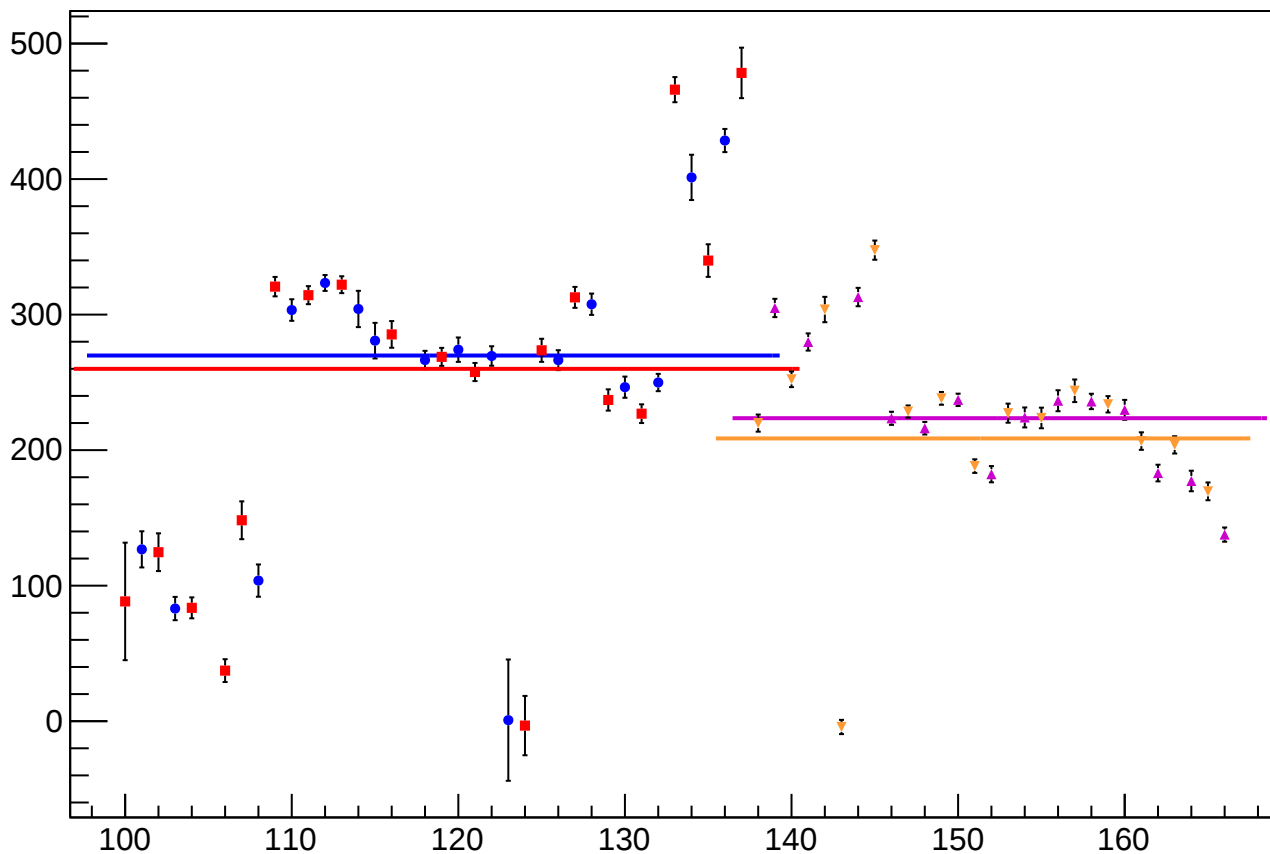
Right: 8.333 ± 0.768 χ^2/NDF : 495.1/35

In: 8.385 ± 0.784 χ^2/NDF : 390.8/30

Out: 9.327 ± 0.753 χ^2/NDF : 377.0/33

All: 8.875 ± 0.543 χ^2/NDF : 768.5/64

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 $\pm$ 2.089 χ^2/NDF : 1374.1/16

Left Out: 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: 223.571 $\pm$ 1.585 χ^2/NDF : 812.1/13

Left: 216.018 $\pm$ 1.114 χ^2/NDF : 3203.6/28

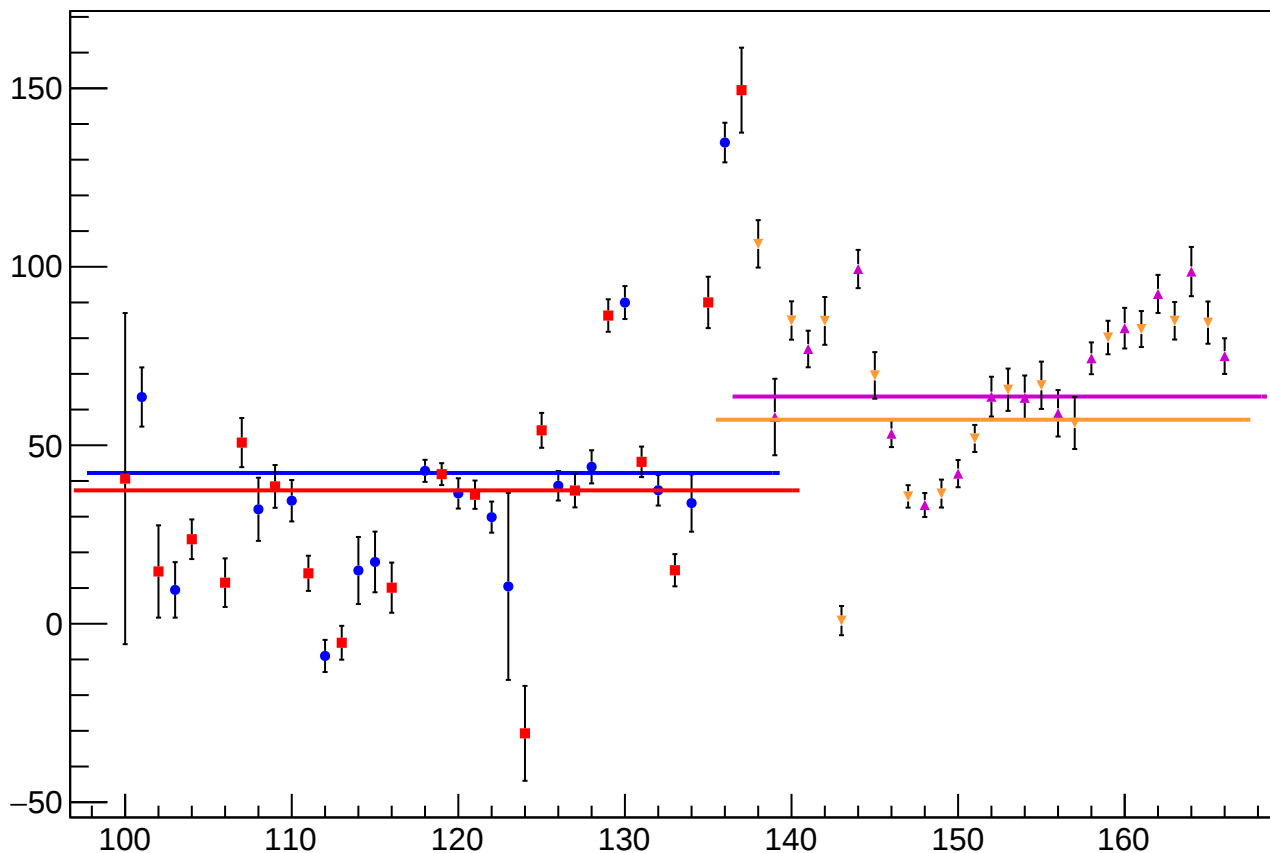
Right: 264.622 $\pm$ 1.436 χ^2/NDF : 3924.4/35

In: 240.457 $\pm$ 1.263 χ^2/NDF : 2497.1/30

Out: 228.443 $\pm$ 1.228 χ^2/NDF : 5299.5/33

All: 234.283 $\pm$ 0.880 χ^2/NDF : 7843.1/64

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 57.164 $\pm$ 1.272 χ^2 /NDF: 470.8/14

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

Left In: 63.649 $\pm$ 1.326 χ^2 /NDF: 250.7/13

Left: 60.270 $\pm$ 0.918 χ^2 /NDF: 733.9/28

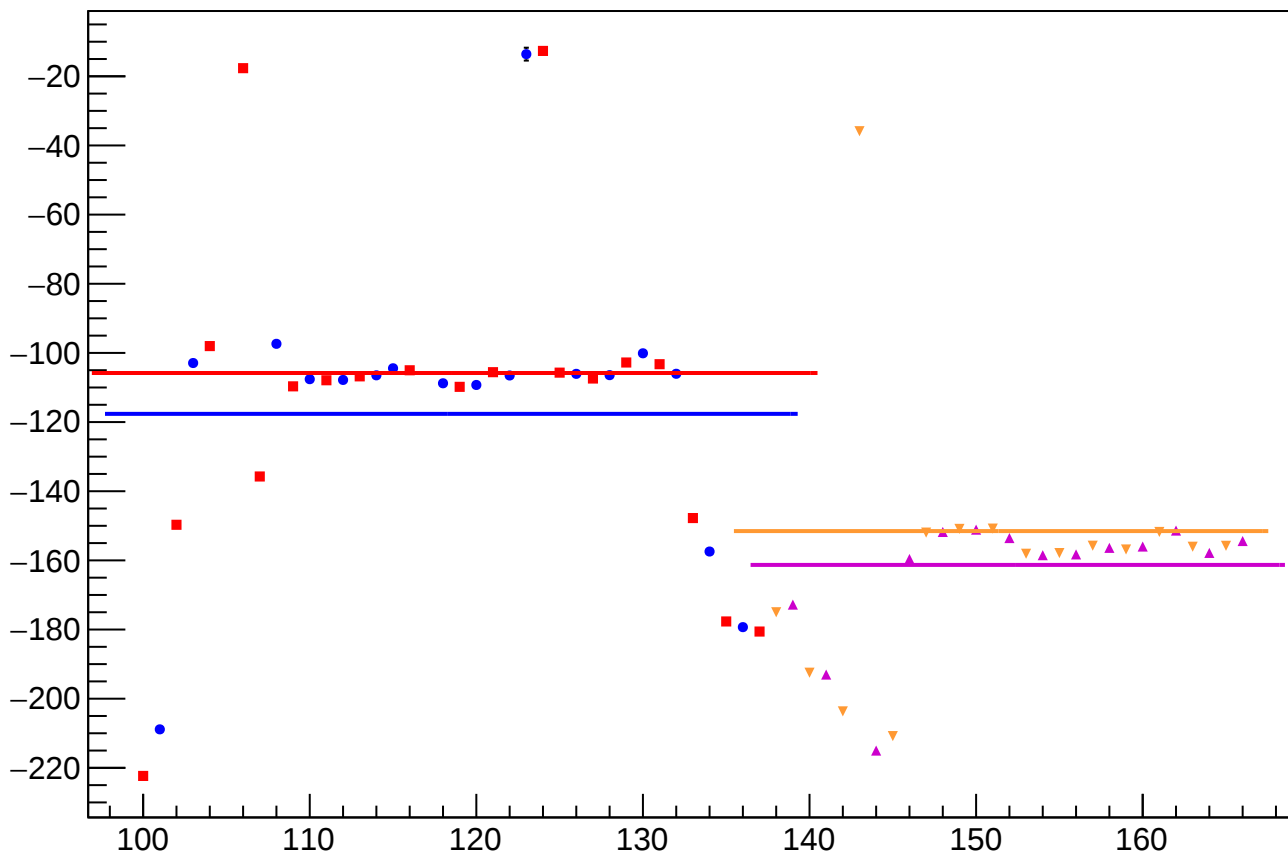
Right: 39.728 $\pm$ 0.886 χ^2 /NDF: 1054.2/35

In: 52.511 $\pm$ 0.919 χ^2 /NDF: 960.6/30

Out: 46.972 $\pm$ 0.886 χ^2 /NDF: 1067.8/33

All: 49.641 $\pm$ 0.638 χ^2 /NDF: 2047.3/64

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -151.527+/-0.063 χ^2/NDF : 403881.6/14

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

Left In: -161.310+/-0.064 χ^2/NDF : 60281.2/13

Left: -156.366+/-0.045 χ^2/NDF : 476090.8/28

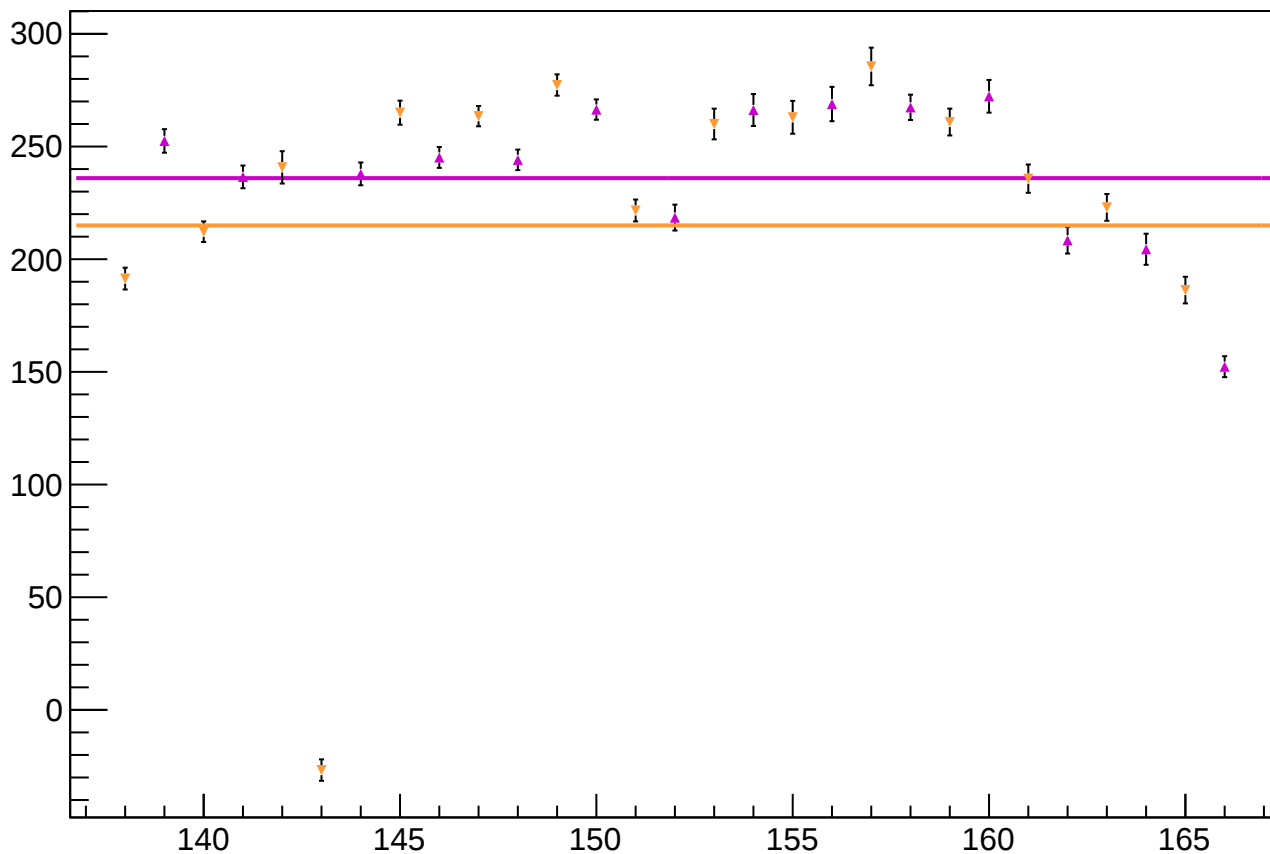
Right: -111.270+/-0.053 χ^2/NDF : 477157.6/35

In: -143.979+/-0.049 χ^2/NDF : 388849.9/30

Out: -131.952+/-0.048 χ^2/NDF : 952445.6/33

All: -137.740+/-0.034 χ^2/NDF : 1371963.6/64

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 214.992+/-1.427 χ^2/NDF :3254.9/14

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

Left In: 235.980+/-1.453 χ^2/NDF :532.2/13

Left: 225.293+/-1.018 χ^2/NDF : 3893.2/28

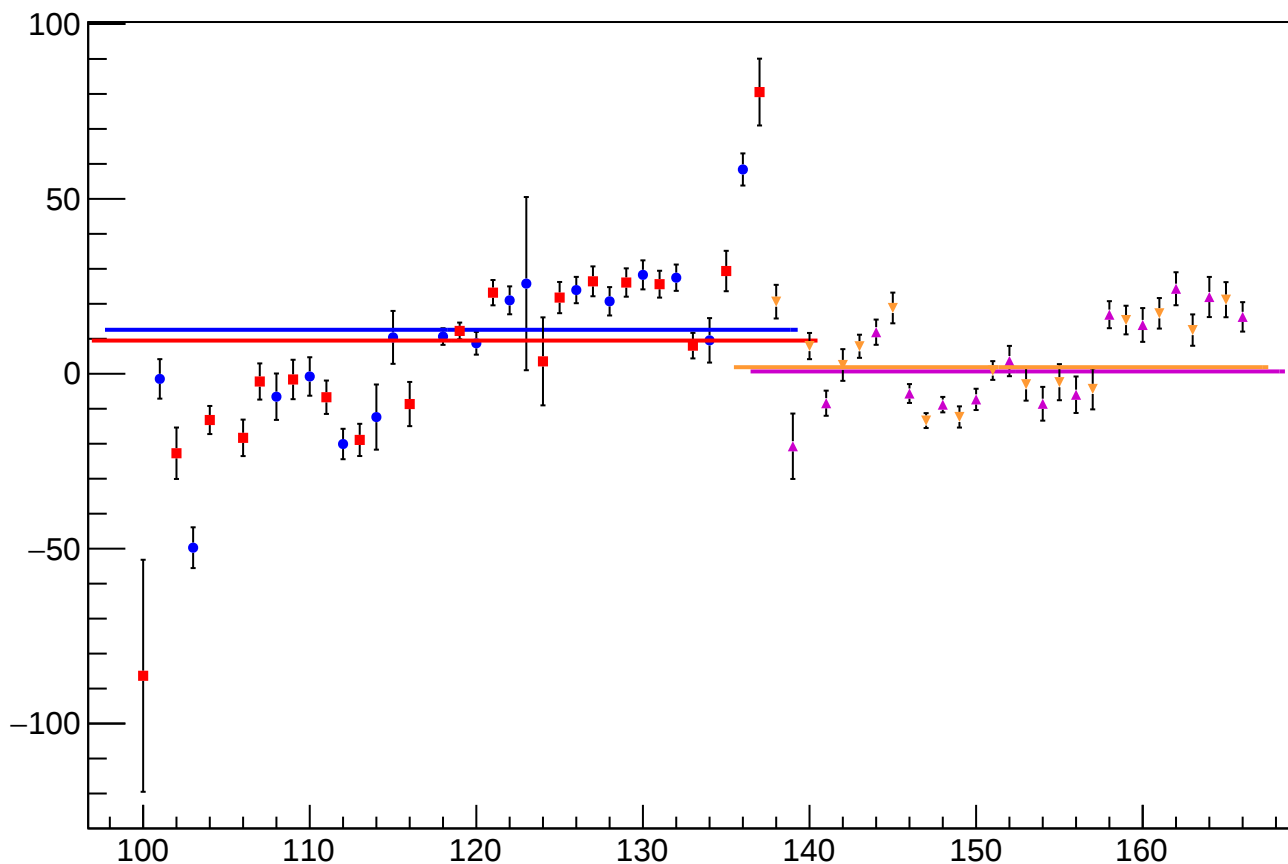
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 235.980+/-1.453 χ^2/NDF :532.2/13

Out: 214.992+/-1.427 χ^2/NDF :3254.9/14

All: 225.293+/-1.018 χ^2/NDF : 3893.2/28

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 1.880 $\pm$ 0.958 χ^2 /NDF:155.9/14

Right Out: 9.493 $\pm$ 1.047 χ^2 /NDF: 295.8/18

Left In: 0.668 $\pm$ 1.005 χ^2 /NDF:135.7/13

Left: 1.302 $\pm$ 0.693 χ^2 /NDF: 292.4/28

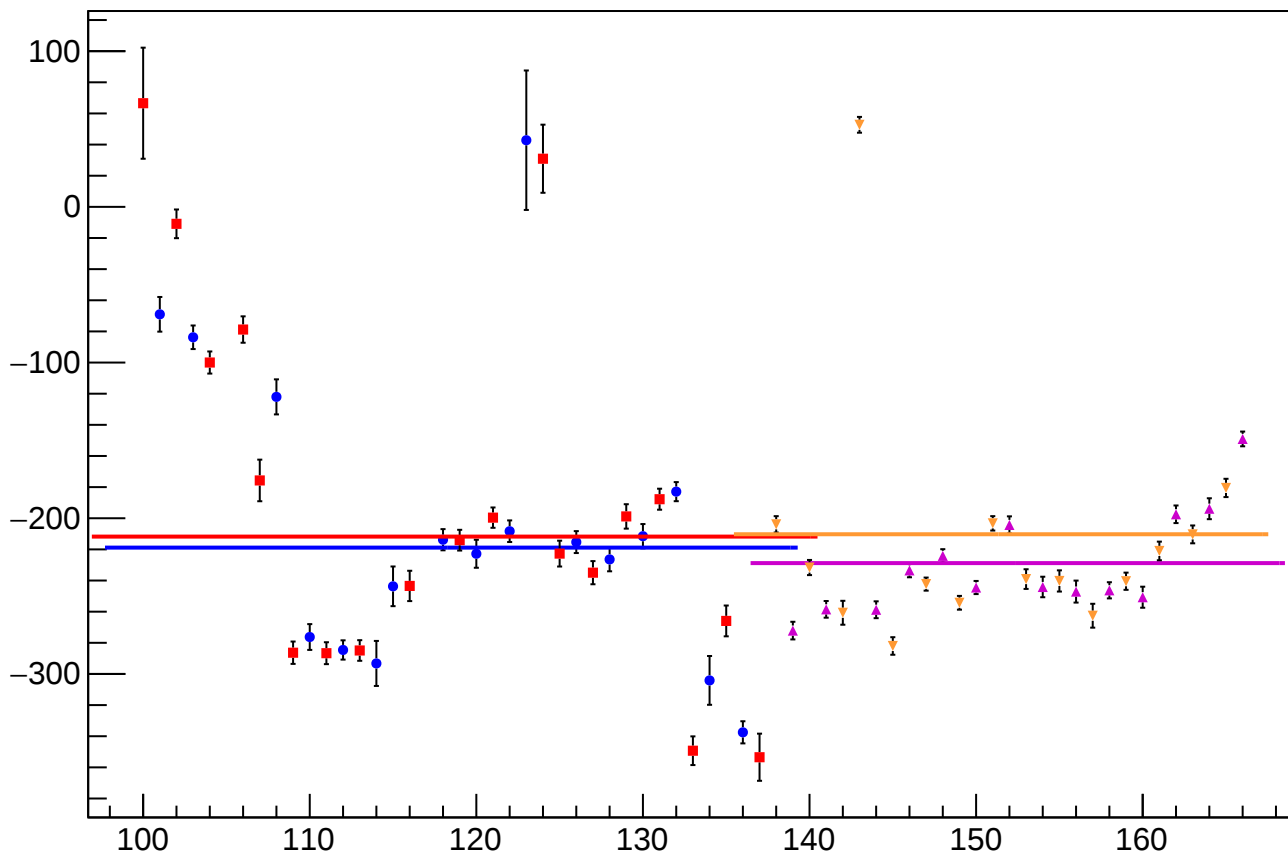
Right: 10.995 $\pm$ 0.750 χ^2 /NDF: 648.0/35

In: 6.224 $\pm$ 0.734 χ^2 /NDF:549.3/30

Out: 5.349 $\pm$ 0.707 χ^2 /NDF:480.5/33

All: 5.770 $\pm$ 0.509 χ^2 /NDF: 1030.5/64

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -210.274 ± 1.408 χ^2/NDF : 3215.7/14

Right Out: -211.780 ± 1.924 χ^2/NDF : 1885.2/18

Left In: -228.805 ± 1.421 χ^2/NDF : 531.4/13

Left: -219.460 ± 1.000 χ^2/NDF : 3832.8/28

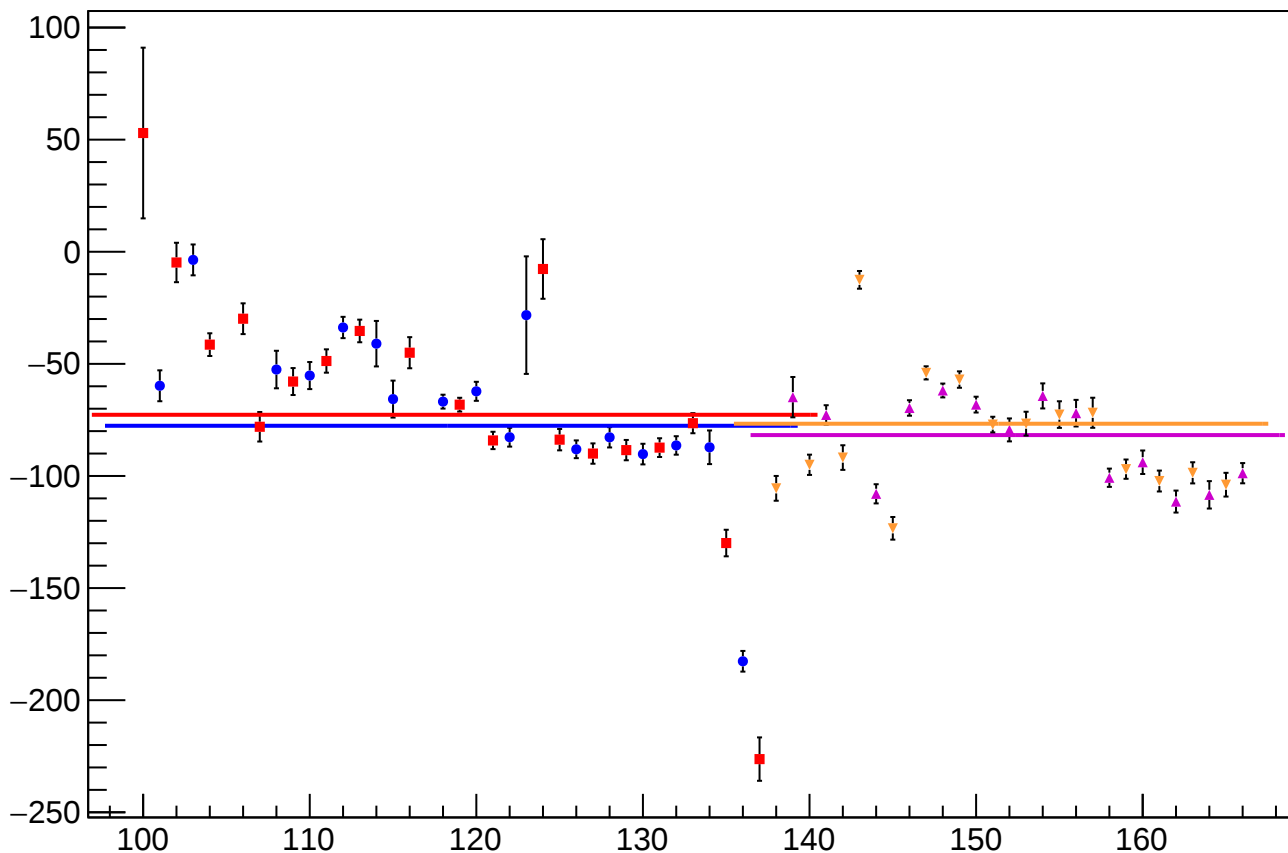
Right: -215.141 ± 1.394 χ^2/NDF : 3038.2/35

In: -225.518 ± 1.163 χ^2/NDF : 1694.1/30

Out: -210.800 ± 1.136 χ^2/NDF : 5101.3/33

All: -217.992 ± 0.813 χ^2/NDF : 6877.3/64

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 ± 1.236 $\chi^2/\text{NDF}: 815.9/16$

Left Out: -76.702 ± 1.149 $\chi^2/\text{NDF}: 589.8/14$

Right Out: -72.710 ± 1.206 $\chi^2/\text{NDF}: 671.4/18$

Left In: -81.763 ± 1.193 $\chi^2/\text{NDF}: 223.5/13$

Left: -79.137 ± 0.828 $\chi^2/\text{NDF}: 822.7/28$

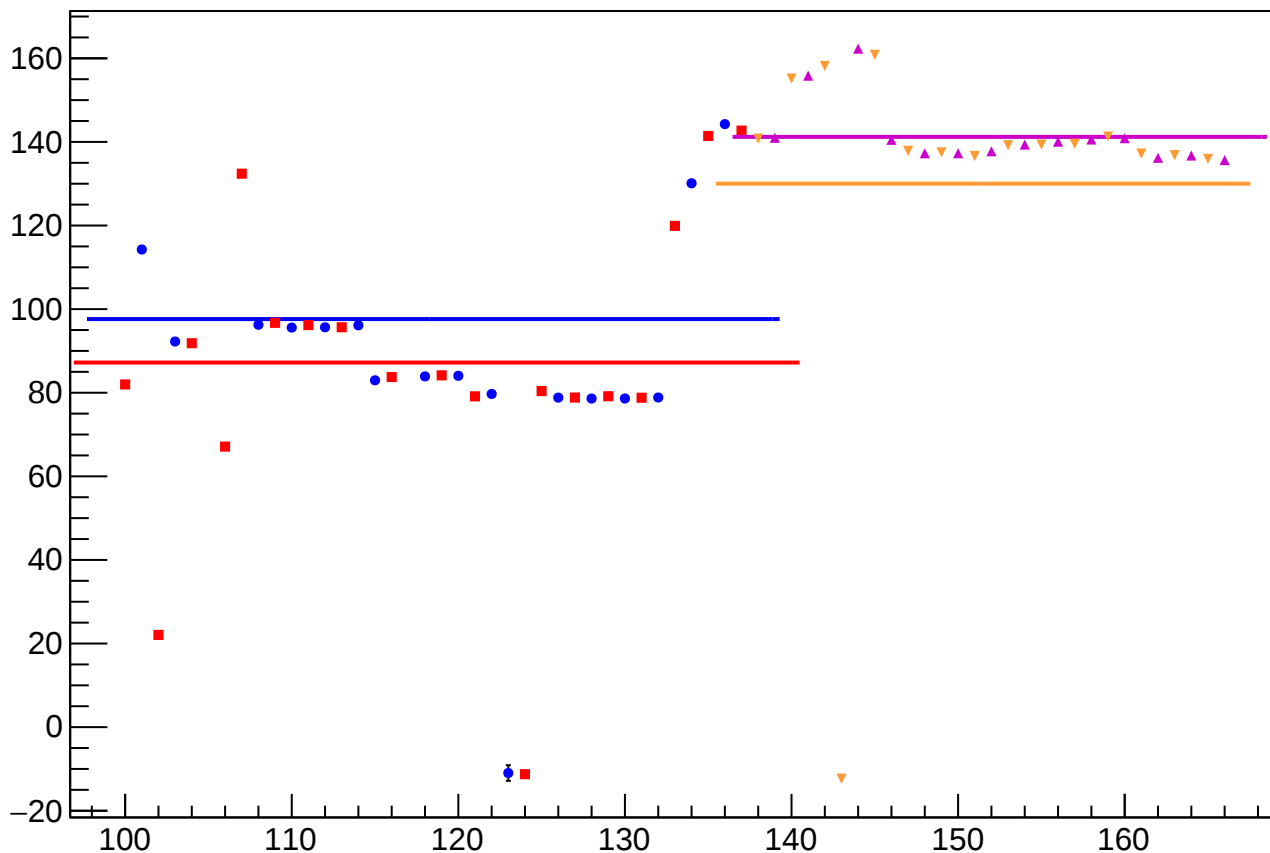
Right: -75.100 ± 0.863 $\chi^2/\text{NDF}: 1495.4/35$

In: -79.761 ± 0.859 $\chi^2/\text{NDF}: 1045.3/30$

Out: -74.803 ± 0.832 $\chi^2/\text{NDF}: 1267.0/33$

All: -77.204 ± 0.597 $\chi^2/\text{NDF}: 2329.5/64$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 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: 141.203 $\pm$ 0.057 χ^2 /NDF: 15259.9/13

Left: 135.560 $\pm$ 0.040 χ^2 /NDF: 584797.4/28

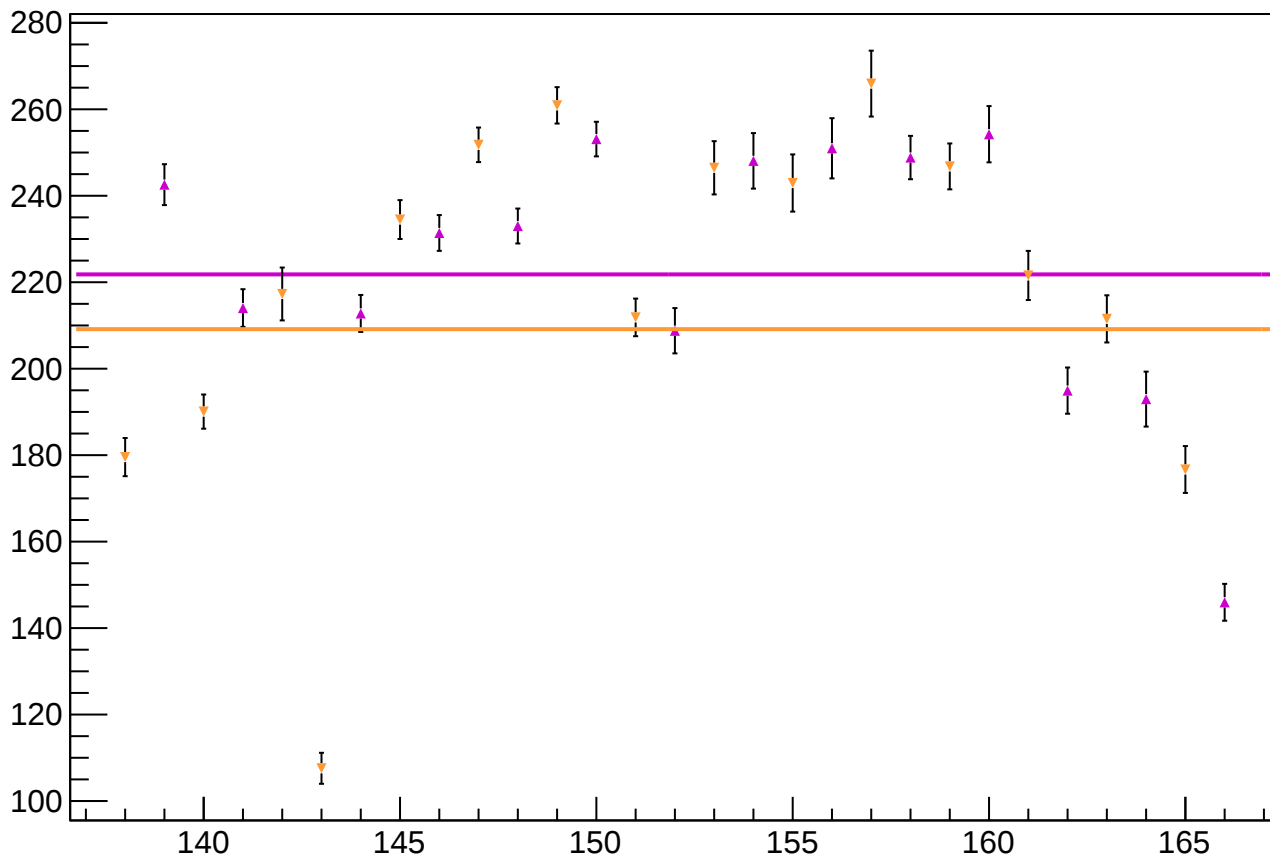
Right: 92.025 $\pm$ 0.050 χ^2 /NDF: 325598.1/35

In: 124.870 $\pm$ 0.045 χ^2 /NDF: 327889.4/30

Out: 112.595 $\pm$ 0.044 χ^2 /NDF: 1003912.8/33

All: 118.516 $\pm$ 0.031 χ^2 /NDF: 1370106.1/64

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 209.142+/-1.248 χ^2/NDF :1379.6/14

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

Left In: 221.812+/-1.298 χ^2/NDF :558.0/13

Left: 215.231+/-0.900 χ^2/NDF : 1987.0/28

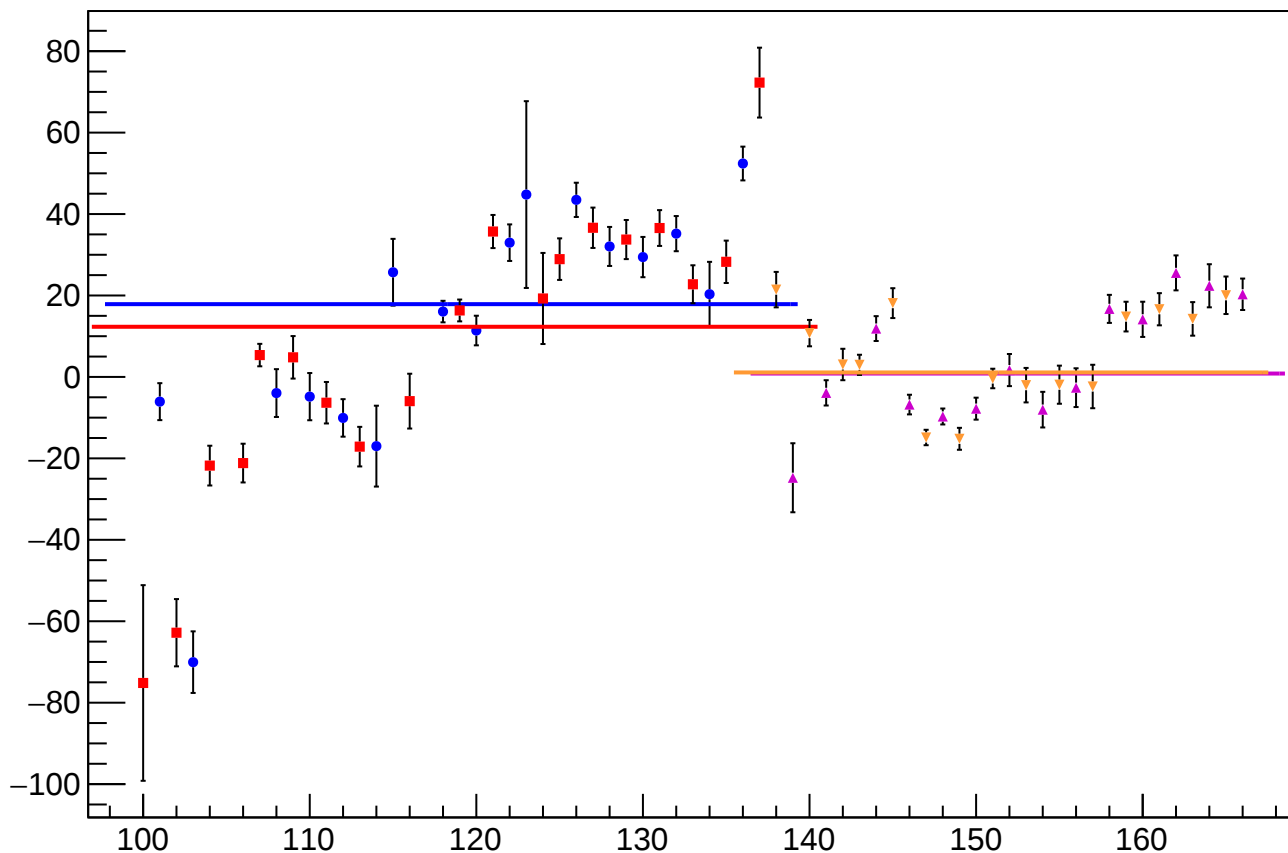
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 221.812+/-1.298 χ^2/NDF :558.0/13

Out: 209.142+/-1.248 χ^2/NDF :1379.6/14

All: 215.231+/-0.900 χ^2/NDF : 1987.0/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.831 ± 0.894 χ^2/NDF : 184.4/13

Left: 0.975 ± 0.611 χ^2/NDF : 403.7/28

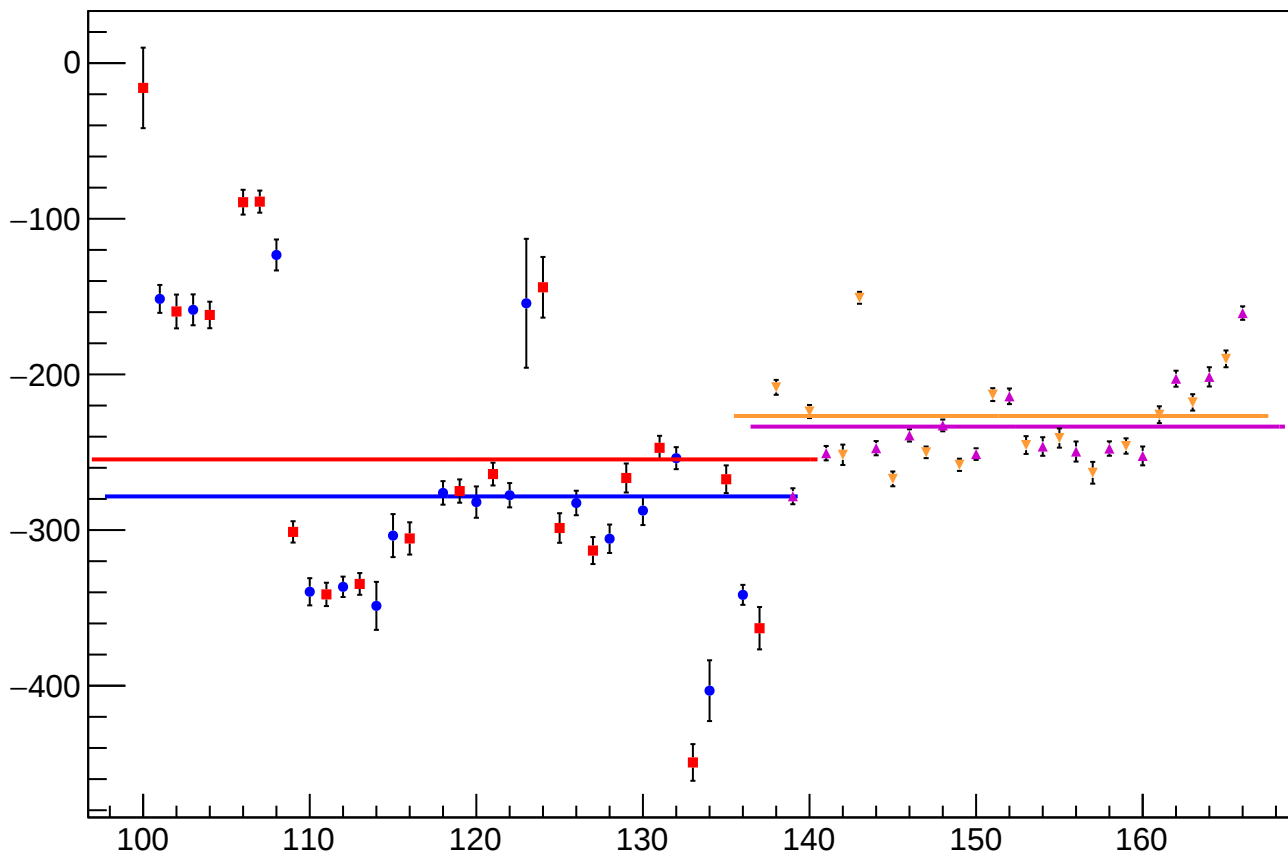
Right: 14.891 ± 0.794 χ^2/NDF : 851.6/35

In: 7.142 ± 0.709 χ^2/NDF : 714.2/30

Out: 5.298 ± 0.663 χ^2/NDF : 730.4/33

All: 6.157 ± 0.484 χ^2/NDF : 1448.3/64

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380 ± 2.185 $\chi^2/\text{NDF}: 910.6/16$

Left Out: -226.700 ± 1.237 $\chi^2/\text{NDF}: 716.8/14$

Right Out: -254.603 ± 2.020 $\chi^2/\text{NDF}: 2037.5/18$

Left In: -233.537 ± 1.270 $\chi^2/\text{NDF}: 512.6/13$

Left: -230.029 ± 0.886 $\chi^2/\text{NDF}: 1244.3/28$

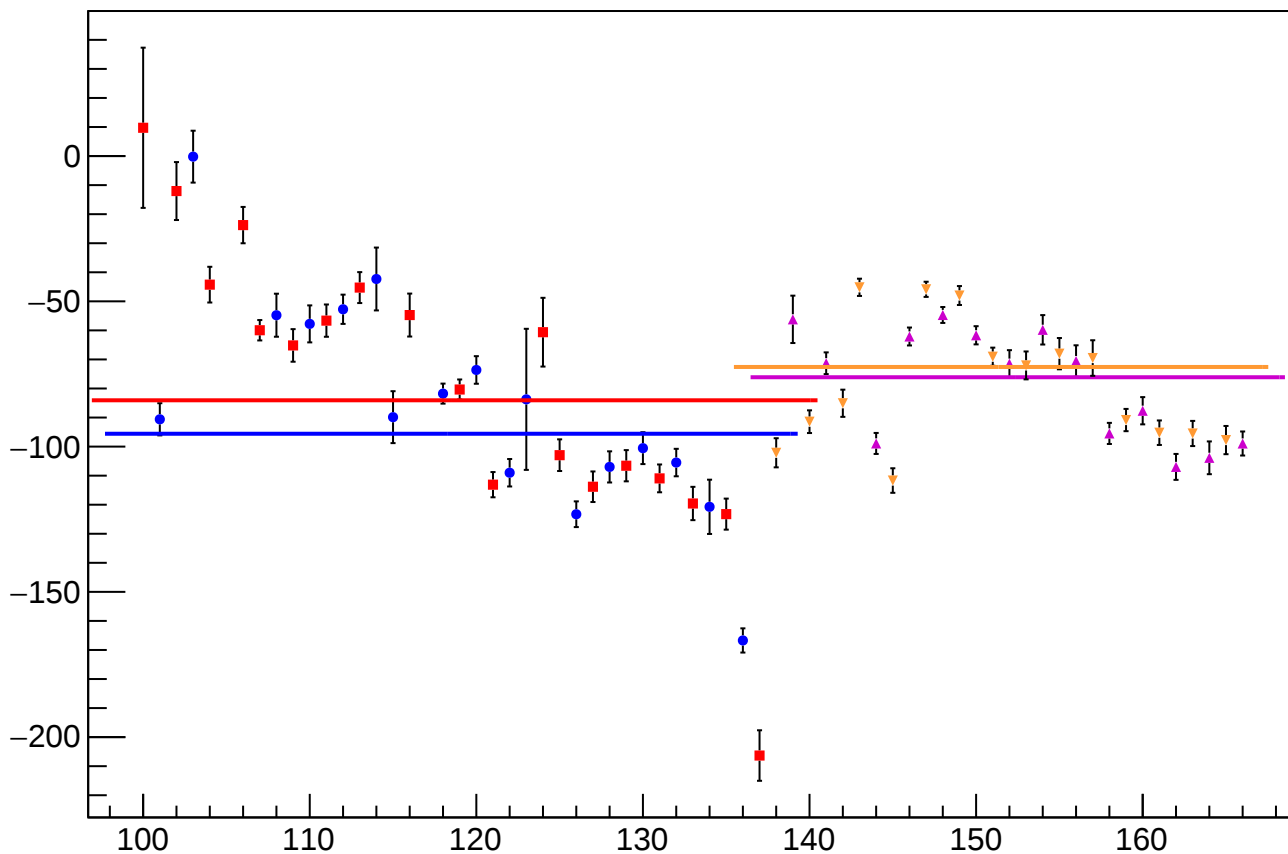
Right: -265.560 ± 1.483 $\chi^2/\text{NDF}: 3011.9/35$

In: -244.860 ± 1.098 $\chi^2/\text{NDF}: 1738.1/30$

Out: -234.311 ± 1.055 $\chi^2/\text{NDF}: 2893.1/33$

All: -239.375 ± 0.761 $\chi^2/\text{NDF}: 4679.2/64$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -72.592 ± 1.006 χ^2/NDF : 506.4/14

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

Left In: -76.128 ± 1.064 χ^2/NDF : 299.8/13

Left: -74.261 ± 0.731 χ^2/NDF : 812.0/28

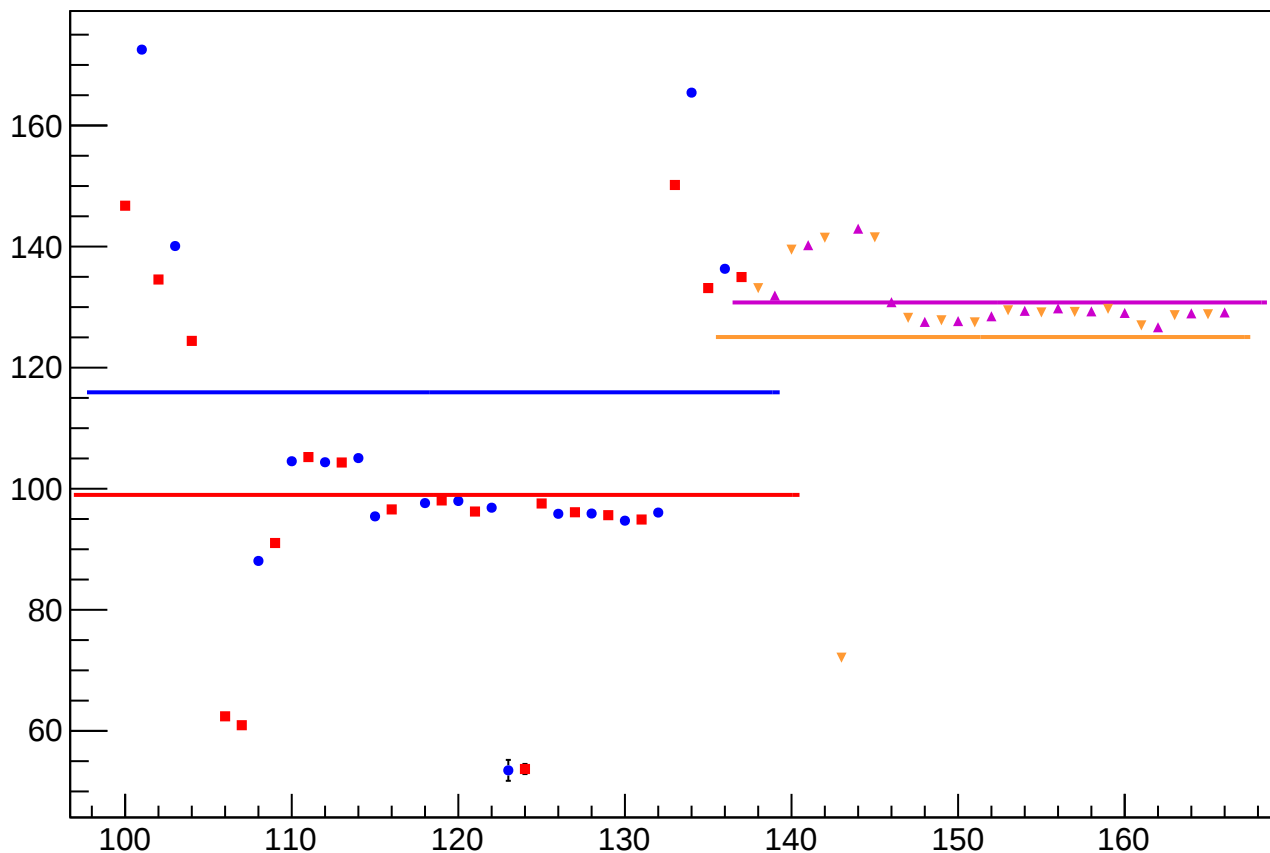
Right: -89.449 ± 0.917 χ^2/NDF : 1493.7/35

In: -83.642 ± 0.833 χ^2/NDF : 1100.2/30

Out: -77.070 ± 0.785 χ^2/NDF : 1340.3/33

All: -80.161 ± 0.571 χ^2/NDF : 2473.5/64

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 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: 130.768 $\pm$ 0.051 χ^2 /NDF:7935.0/13

Left: 127.838 $\pm$ 0.036 χ^2 /NDF: 156390.6/28

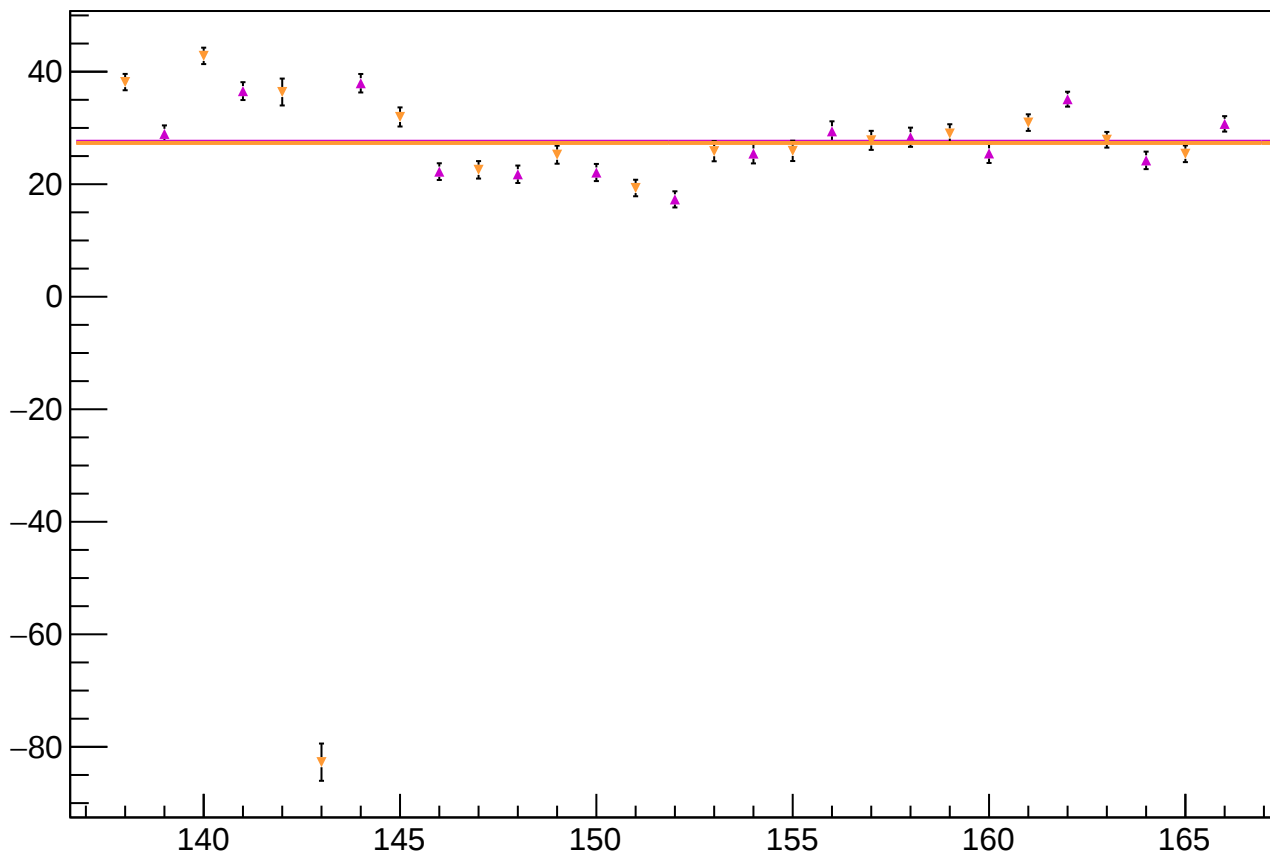
Right: 106.321 $\pm$ 0.052 χ^2 /NDF: 305233.1/35

In: 126.348 $\pm$ 0.043 χ^2 /NDF:138873.6/30

Out: 116.059 $\pm$ 0.040 χ^2 /NDF:409782.8/33

All: 120.891 $\pm$ 0.029 χ^2 /NDF: 579316.0/64

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 27.335 $\pm$ 0.423 χ^2 /NDF:1346.1/14

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

Left In: 27.547 $\pm$ 0.414 χ^2 /NDF:210.2/13

Left: 27.443 $\pm$ 0.296 χ^2 /NDF: 1556.4/28

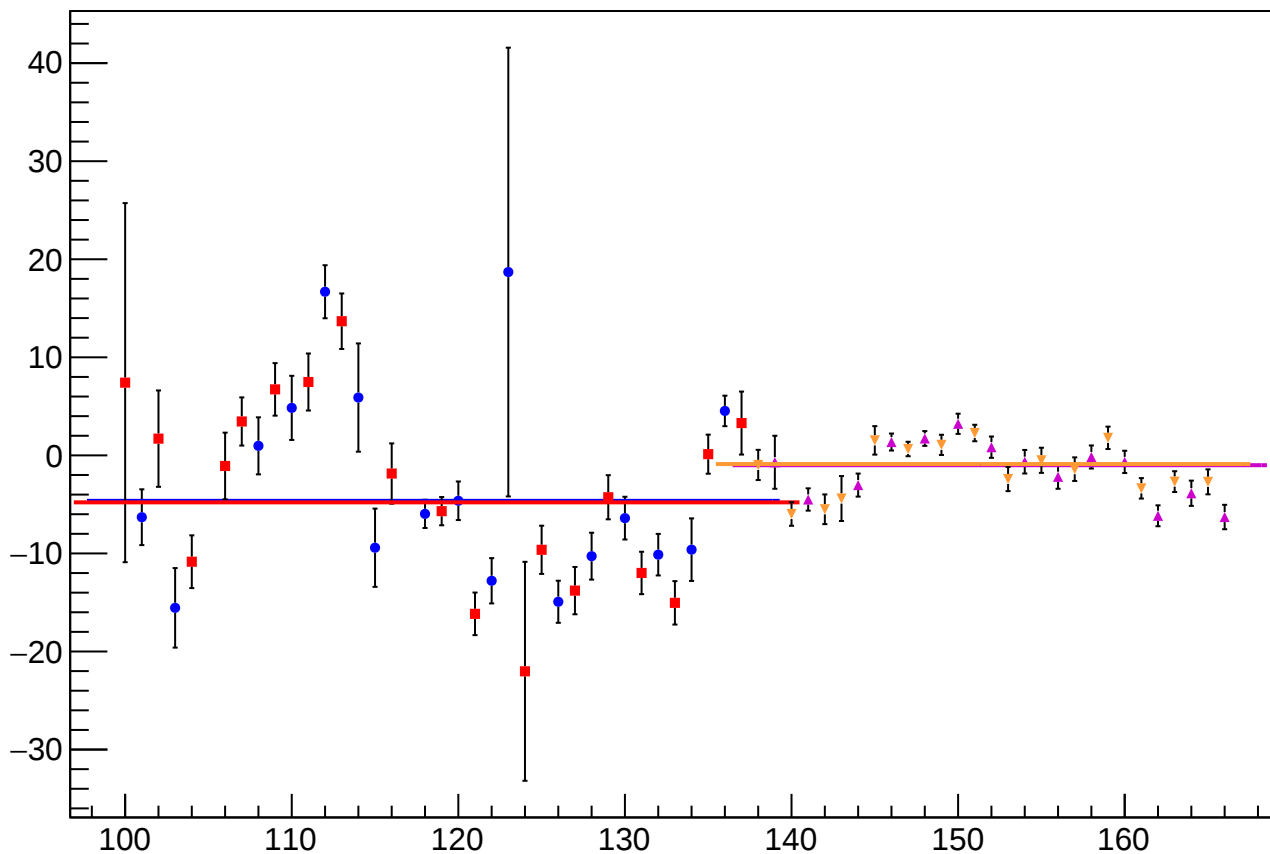
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 27.547 $\pm$ 0.414 χ^2 /NDF:210.2/13

Out: 27.335 $\pm$ 0.423 χ^2 /NDF:1346.1/14

All: 27.443 $\pm$ 0.296 χ^2 /NDF: 1556.4/28

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 $\chi^2/\text{NDF}: 174.4/16$

Left Out: -0.885 ± 0.294 $\chi^2/\text{NDF}: 72.2/14$

Right Out: -4.791 ± 0.585 $\chi^2/\text{NDF}: 192.5/18$

Left In: -1.002 ± 0.295 $\chi^2/\text{NDF}: 100.6/13$

Left: -0.944 ± 0.208 $\chi^2/\text{NDF}: 172.8/28$

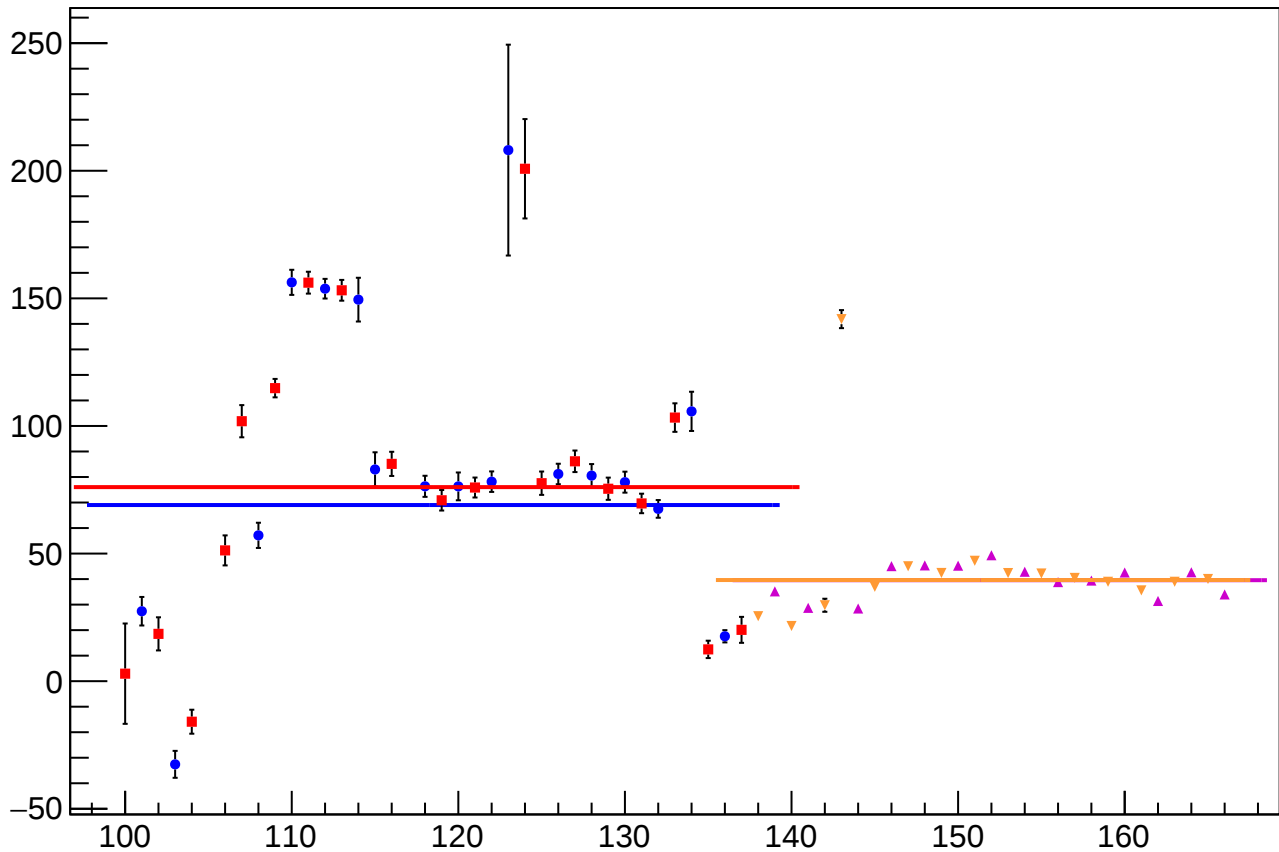
Right: -4.714 ± 0.414 $\chi^2/\text{NDF}: 367.0/35$

In: -1.733 ± 0.264 $\chi^2/\text{NDF}: 305.6/30$

Out: -1.675 ± 0.263 $\chi^2/\text{NDF}: 300.3/33$

All: -1.704 ± 0.186 $\chi^2/\text{NDF}: 605.9/64$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 39.629+/-0.413 χ^2/NDF :1129.5/14

Right Out: 76.041+/-1.070 χ^2/NDF : 1881.9/18

Left In: 39.571+/-0.403 χ^2/NDF :254.4/13

Left: 39.599+/-0.289 χ^2/NDF : 1383.9/28

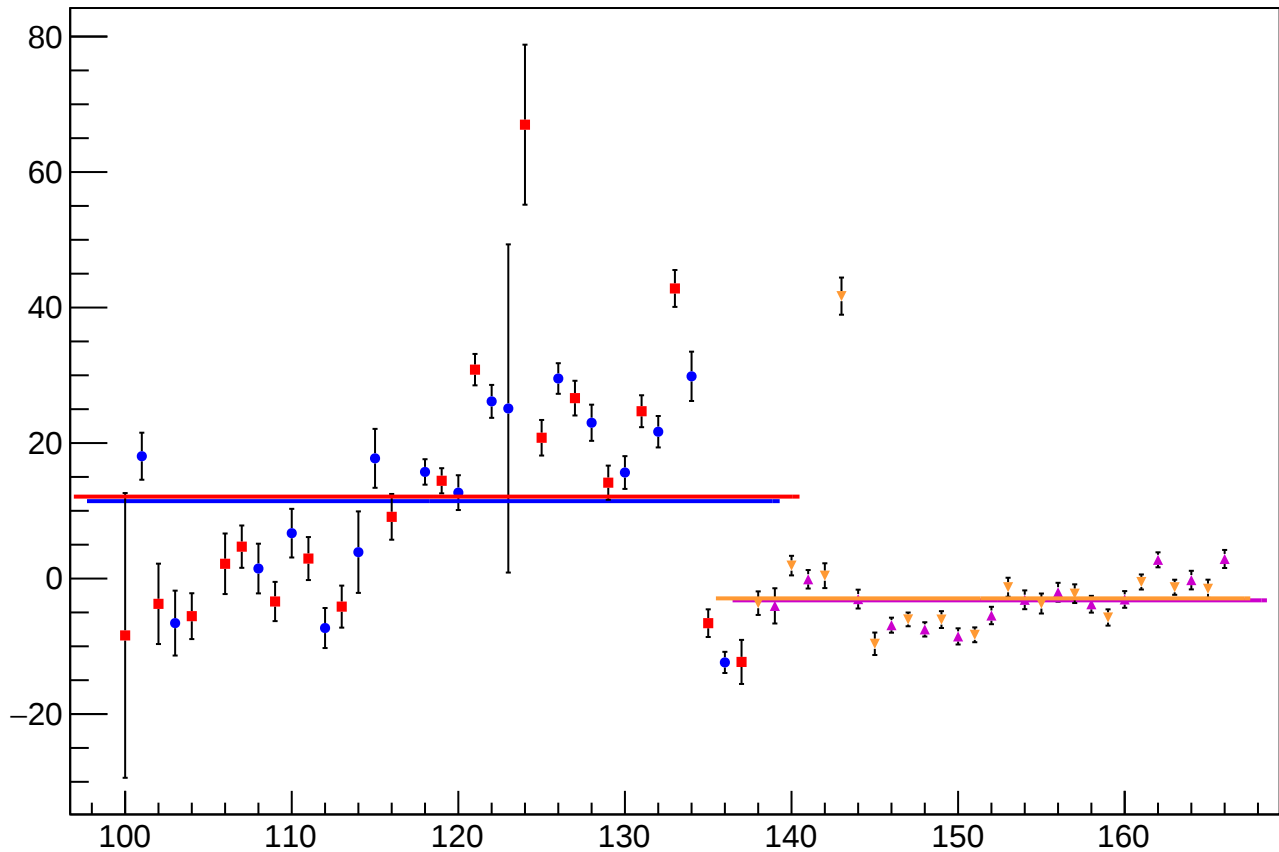
Right: 72.574+/-0.761 χ^2/NDF : 3751.2/35

In: 43.154+/-0.378 χ^2/NDF :2751.3/30

Out: 44.353+/-0.385 χ^2/NDF :4019.4/33

All: 43.742+/-0.270 χ^2/NDF : 6775.6/64

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -3.215 ± 0.344 $\chi^2/\text{NDF}: 111.5/13$

Left: -3.070 ± 0.243 $\chi^2/\text{NDF}: 462.7/28$

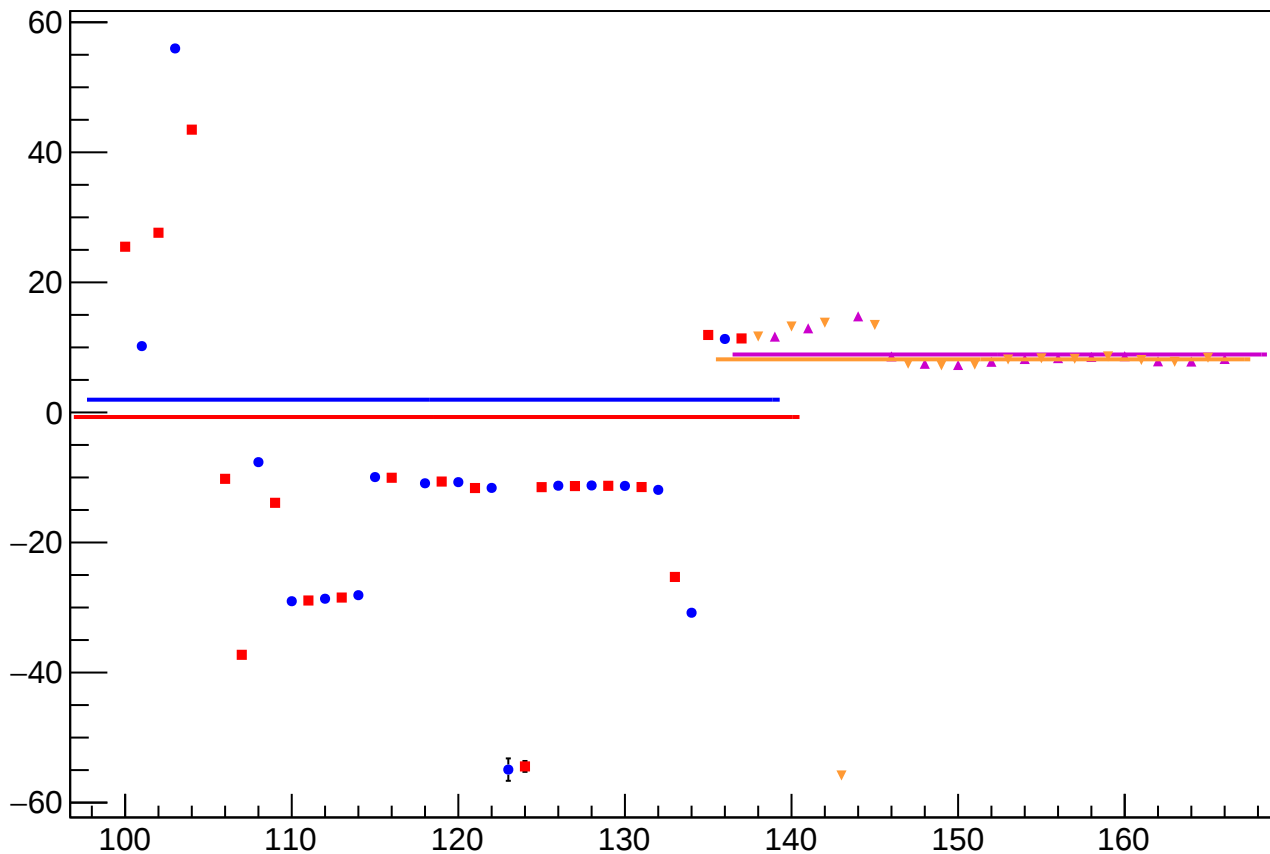
Right: 11.762 ± 0.470 $\chi^2/\text{NDF}: 1016.4/35$

In: -0.134 ± 0.305 $\chi^2/\text{NDF}: 970.6/30$

Out: 0.265 ± 0.306 $\chi^2/\text{NDF}: 1293.0/33$

All: 0.065 ± 0.216 $\chi^2/\text{NDF}: 2264.4/64$

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 8.910 $\pm$ 0.016 χ^2/NDF :14468.7/13

Left: 8.544 $\pm$ 0.011 χ^2/NDF : 238124.1/28

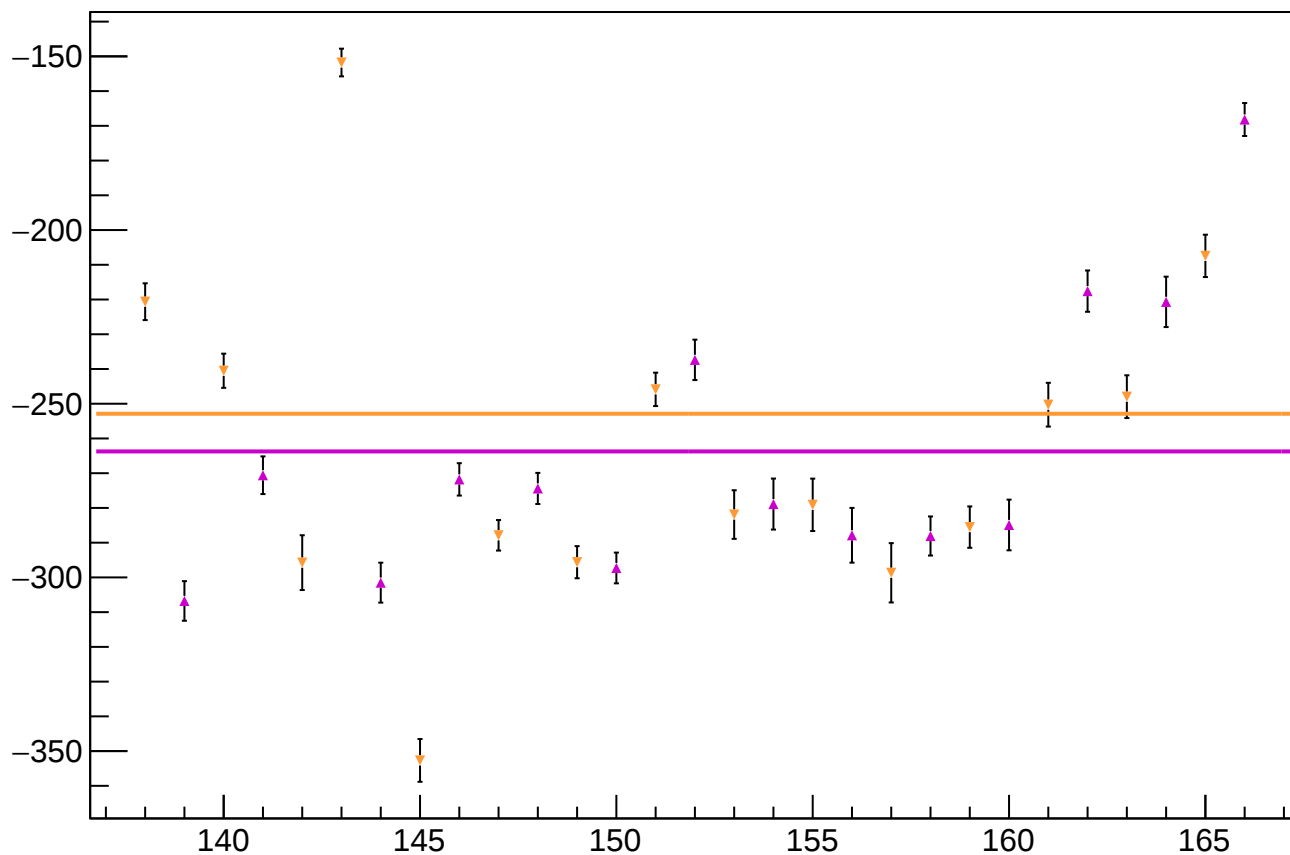
Right: 0.627 $\pm$ 0.026 χ^2/NDF : 722198.2/35

In: 7.831 $\pm$ 0.015 χ^2/NDF :402494.7/30

Out: 6.746 $\pm$ 0.015 χ^2/NDF :631696.4/33

All: 7.296 $\pm$ 0.010 χ^2/NDF : 1036900.5/64

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -263.732+/-1.494 χ^2/NDF :730.6/13

Left: -258.108+/-1.037 χ^2/NDF : 2031.5/28

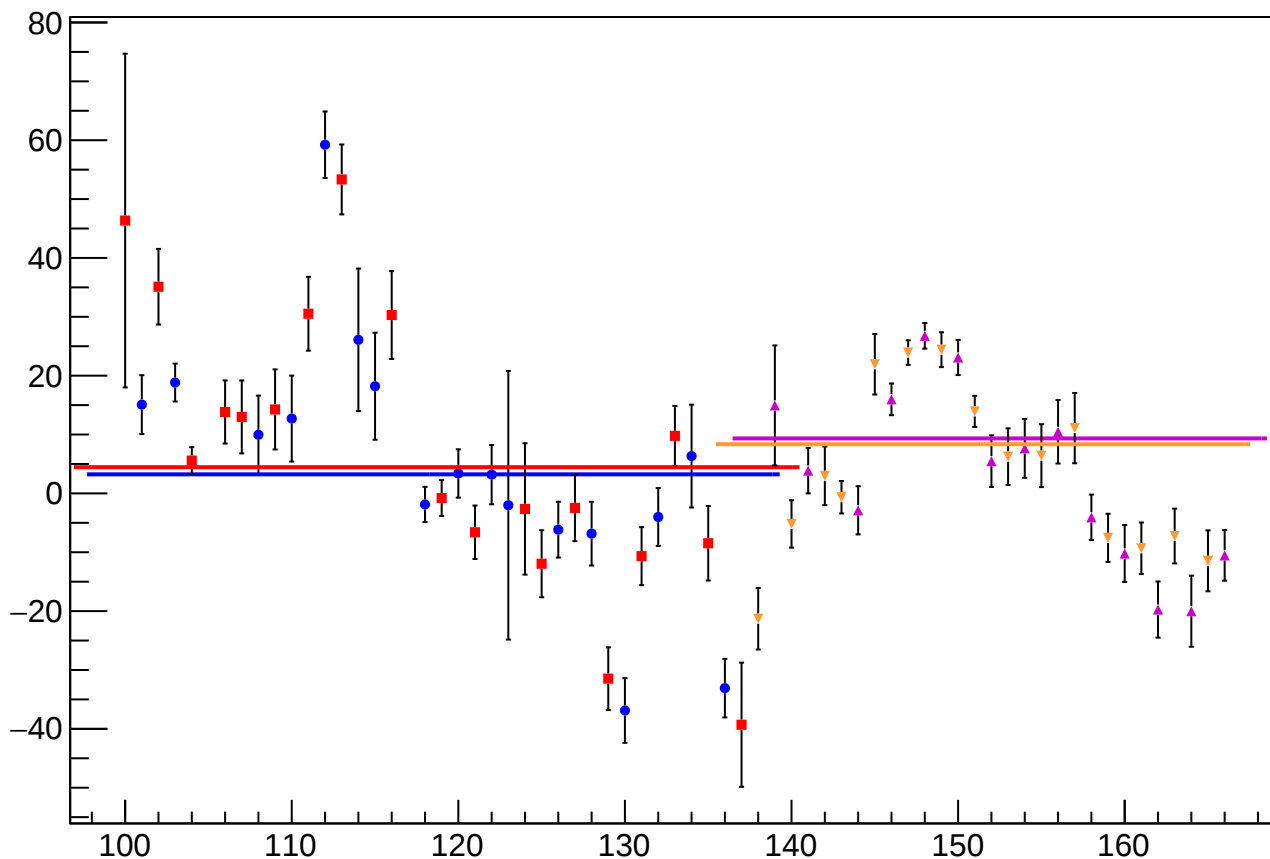
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -263.732+/-1.494 χ^2/NDF :730.6/13

Out: -252.882+/-1.440 χ^2/NDF :1273.5/14

All: -258.108+/-1.037 χ^2/NDF : 2031.5/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237+/-1.244 χ^2/NDF : 255.3/16

Left Out: 8.349+/-0.954 χ^2/NDF :210.0/14

Right Out: 4.450+/-1.157 χ^2/NDF : 225.8/18

Left In: 9.340+/-1.020 χ^2/NDF :214.4/13

Left: 8.811+/-0.697 χ^2/NDF : 424.9/28

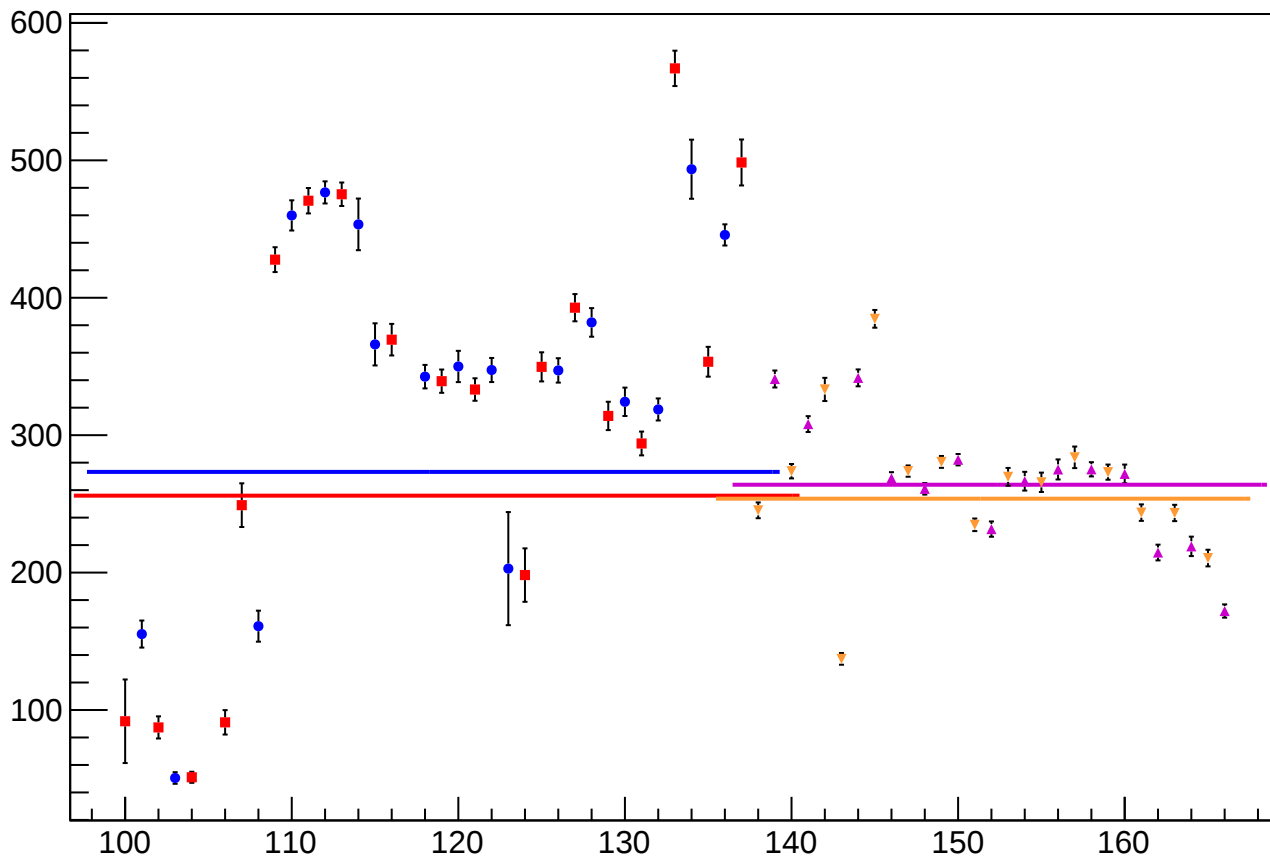
Right: 3.887+/-0.847 χ^2/NDF : 481.6/35

In: 6.884+/-0.789 χ^2/NDF :484.1/30

Out: 6.770+/-0.736 χ^2/NDF :442.5/33

All: 6.823+/-0.538 χ^2/NDF : 926.6/64

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276+/-2.205 χ^2/NDF : 5101.5/16

Left Out: 253.781+/-1.419 χ^2/NDF : 1437.9/14

Right Out: 255.985+/-2.080 χ^2/NDF : 6438.4/18

Left In: 263.929+/-1.454 χ^2/NDF : 913.0/13

Left: 258.730+/-1.016 χ^2/NDF : 2375.8/28

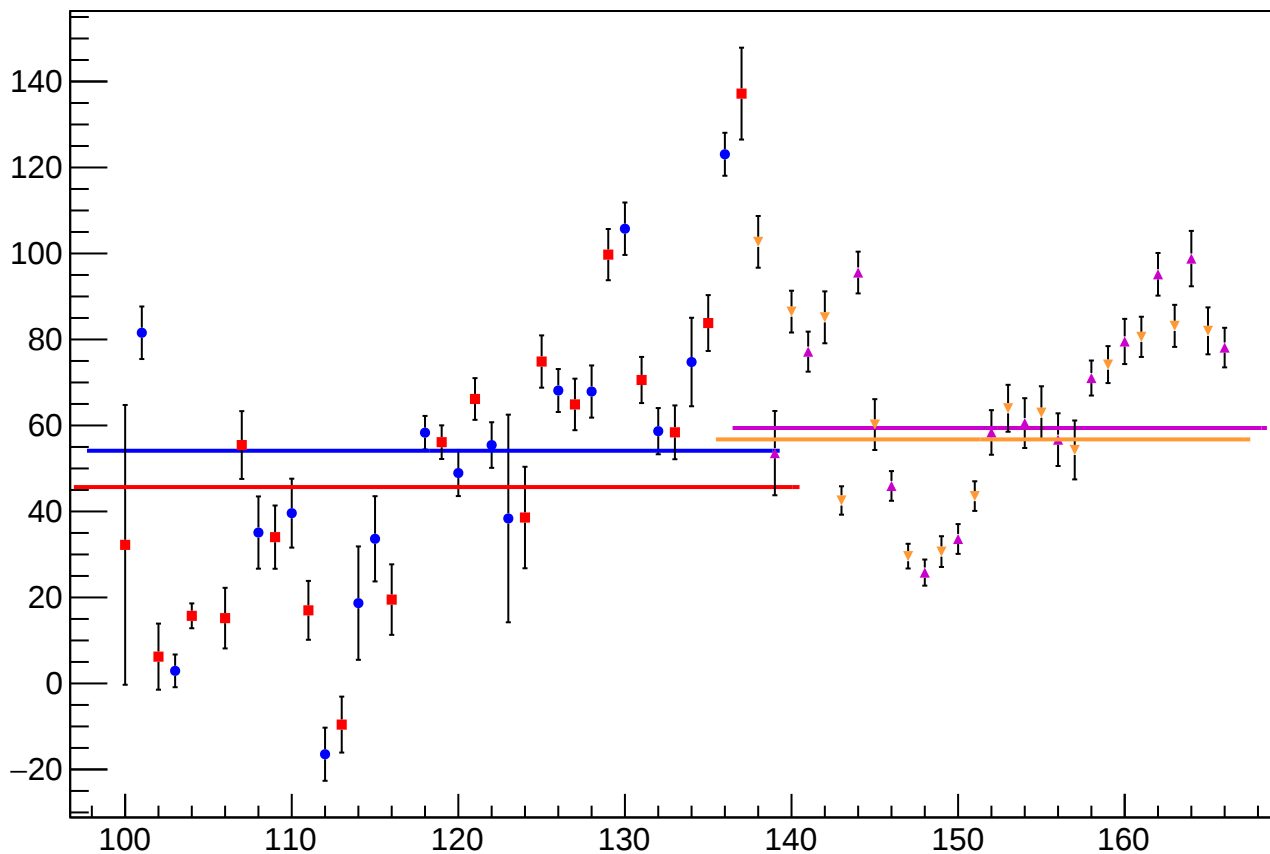
Right: 264.127+/-1.513 χ^2/NDF : 11572.5/35

In: 266.763+/-1.214 χ^2/NDF : 6027.0/30

Out: 254.481+/-1.172 χ^2/NDF : 7877.1/33

All: 260.406+/-0.843 χ^2/NDF : 13957.1/64

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 59.411+/-1.216 χ^2/NDF : 392.7/13

Left: 58.011+/-0.835 χ^2/NDF : 785.0/28

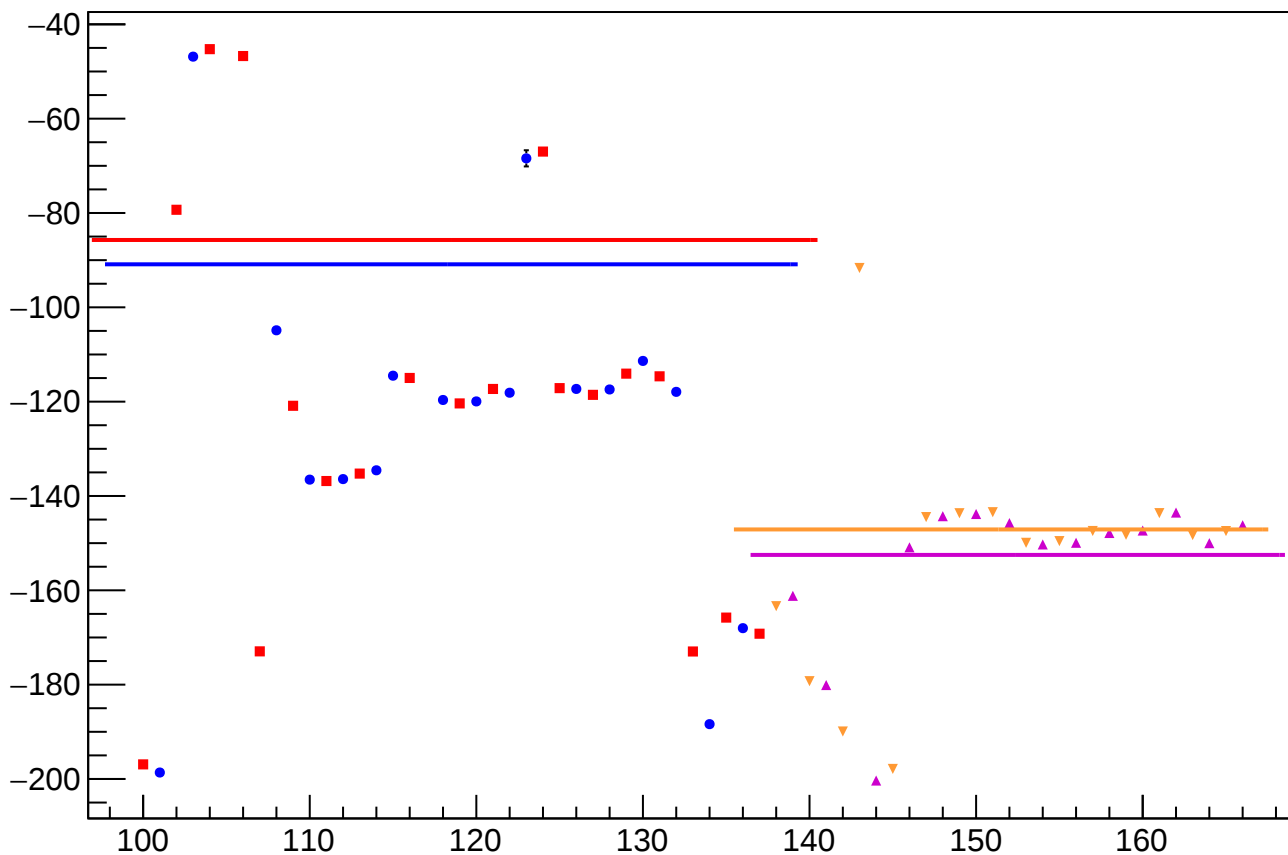
Right: 49.654+/-0.987 χ^2/NDF : 1183.2/35

In: 57.205+/-0.928 χ^2/NDF : 1034.6/30

Out: 52.134+/-0.877 χ^2/NDF : 959.6/33

All: 54.525+/-0.637 χ^2/NDF : 2009.9/64

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -152.495+/-0.059 χ^2/NDF : 56334.3/13

Left: -149.731+/-0.041 χ^2/NDF : 247772.9/28

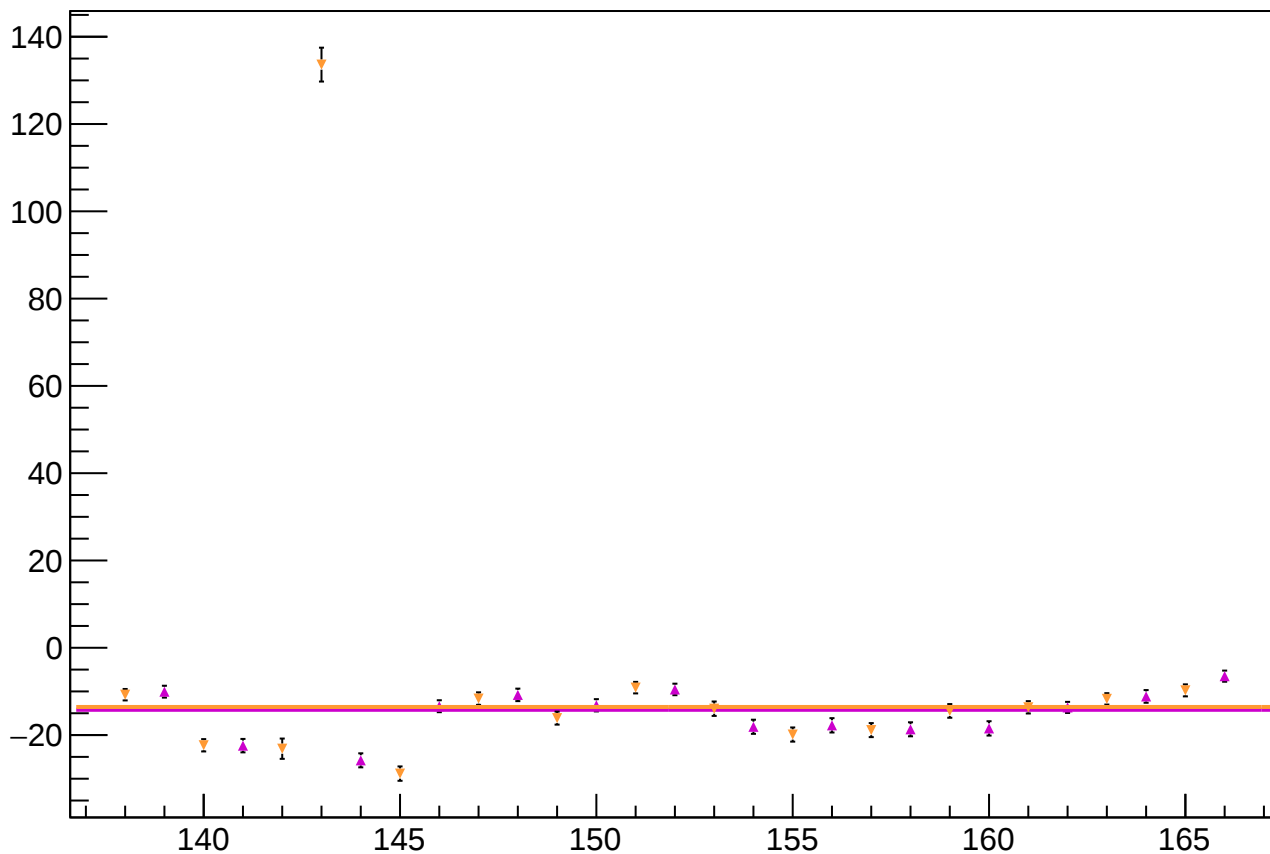
Right: -88.197+/-0.047 χ^2/NDF : 1030623.7/35

In: -126.179+/-0.044 χ^2/NDF : 1063527.0/30

Out: -120.372+/-0.043 χ^2/NDF : 1183566.8/33

All: -123.186+/-0.031 χ^2/NDF : 2255957.0/64

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.563+/-0.396 χ^2/NDF :1636.1/14

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

Left In: -14.210+/-0.387 χ^2/NDF :174.6/13

Left: -13.894+/-0.277 χ^2/NDF : 1812.1/28

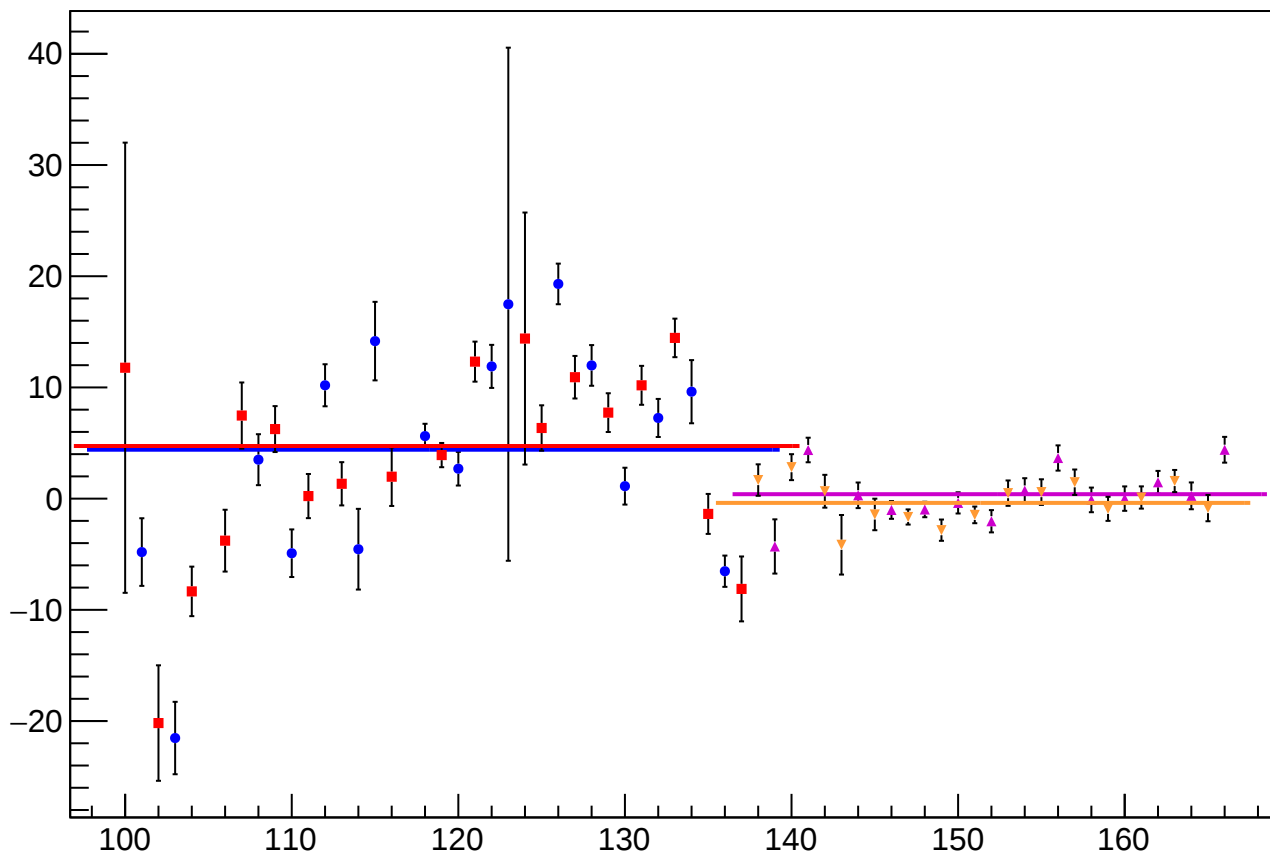
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.210+/-0.387 χ^2/NDF :174.6/13

Out: -13.563+/-0.396 χ^2/NDF :1636.1/14

All: -13.894+/-0.277 χ^2/NDF : 1812.1/28

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399+/-0.471 χ^2/NDF : 286.8/16

Left Out: -0.383+/-0.275 χ^2/NDF : 33.3/14

Right Out: 4.732+/-0.473 χ^2/NDF : 182.9/18

Left In: 0.399+/-0.276 χ^2/NDF : 51.9/13

Left: 0.006+/-0.195 χ^2/NDF : 89.3/28

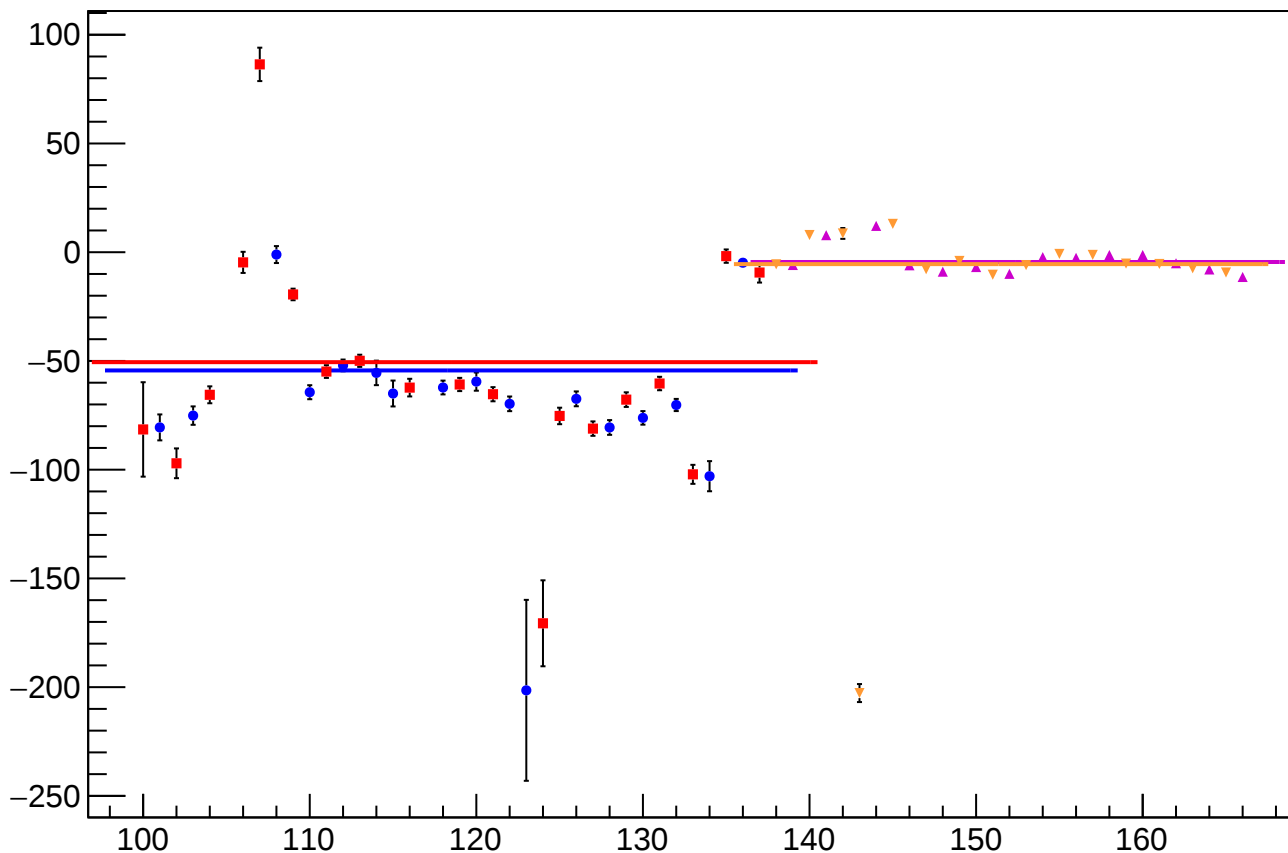
Right: 4.565+/-0.334 χ^2/NDF : 470.0/35

In: 1.423+/-0.238 χ^2/NDF : 392.4/30

Out: 0.909+/-0.238 χ^2/NDF : 303.6/33

All: 1.166+/-0.168 χ^2/NDF : 698.3/64

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 $\chi^2/\text{NDF}: 1013.5/16$

Left Out: -5.471 ± 0.387 $\chi^2/\text{NDF}: 2542.1/14$

Right Out: -50.554 ± 0.858 $\chi^2/\text{NDF}: 1321.3/18$

Left In: -4.497 ± 0.377 $\chi^2/\text{NDF}: 231.9/13$

Left: -4.972 ± 0.270 $\chi^2/\text{NDF}: 2777.3/28$

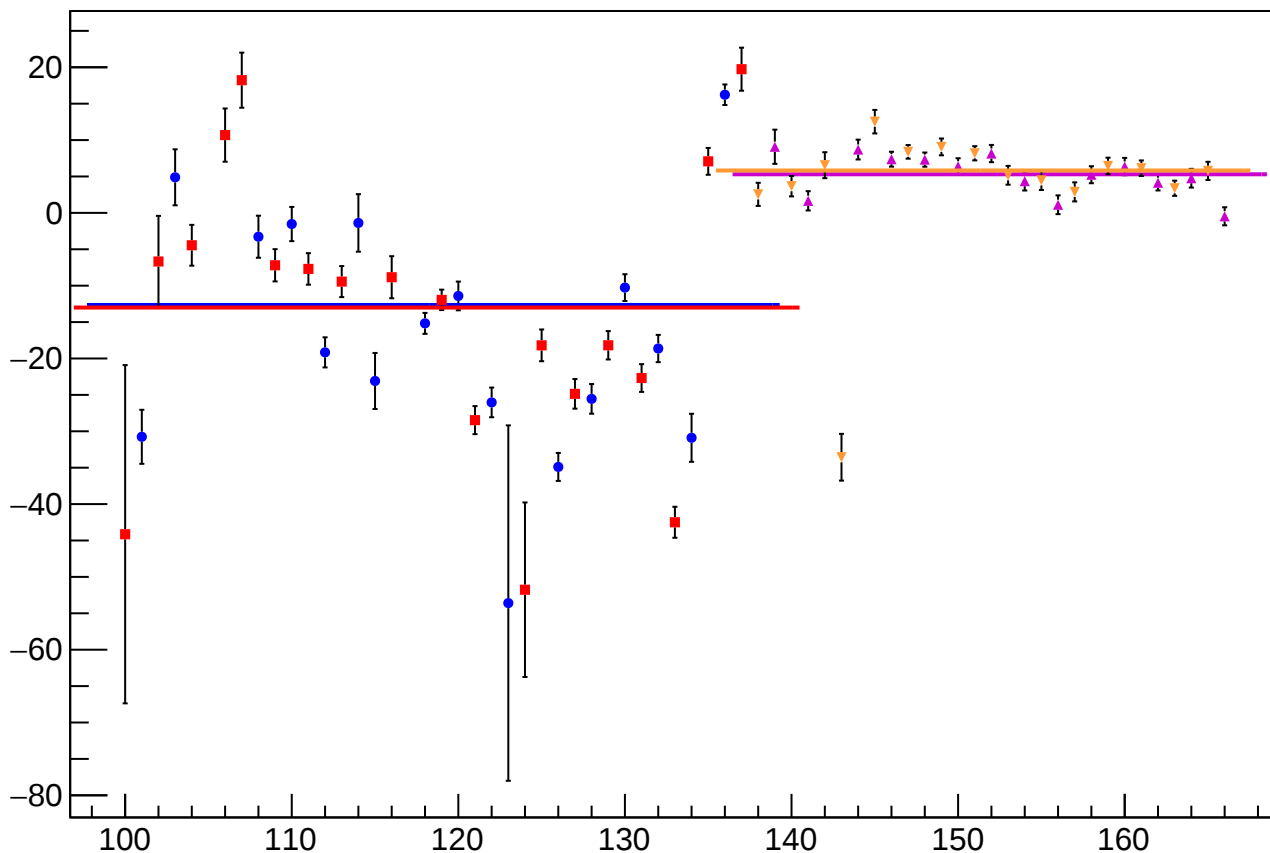
Right: -52.436 ± 0.610 $\chi^2/\text{NDF}: 2344.5/35$

In: -12.421 ± 0.346 $\chi^2/\text{NDF}: 4020.1/30$

Out: -13.084 ± 0.352 $\chi^2/\text{NDF}: 6160.7/33$

All: -12.747 ± 0.247 $\chi^2/\text{NDF}: 10182.5/64$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 5.824 ± 0.323 χ^2/NDF : 207.8/14

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

Left In: 5.299 ± 0.322 χ^2/NDF : 66.5/13

Left: 5.561 ± 0.228 χ^2/NDF : 275.6/28

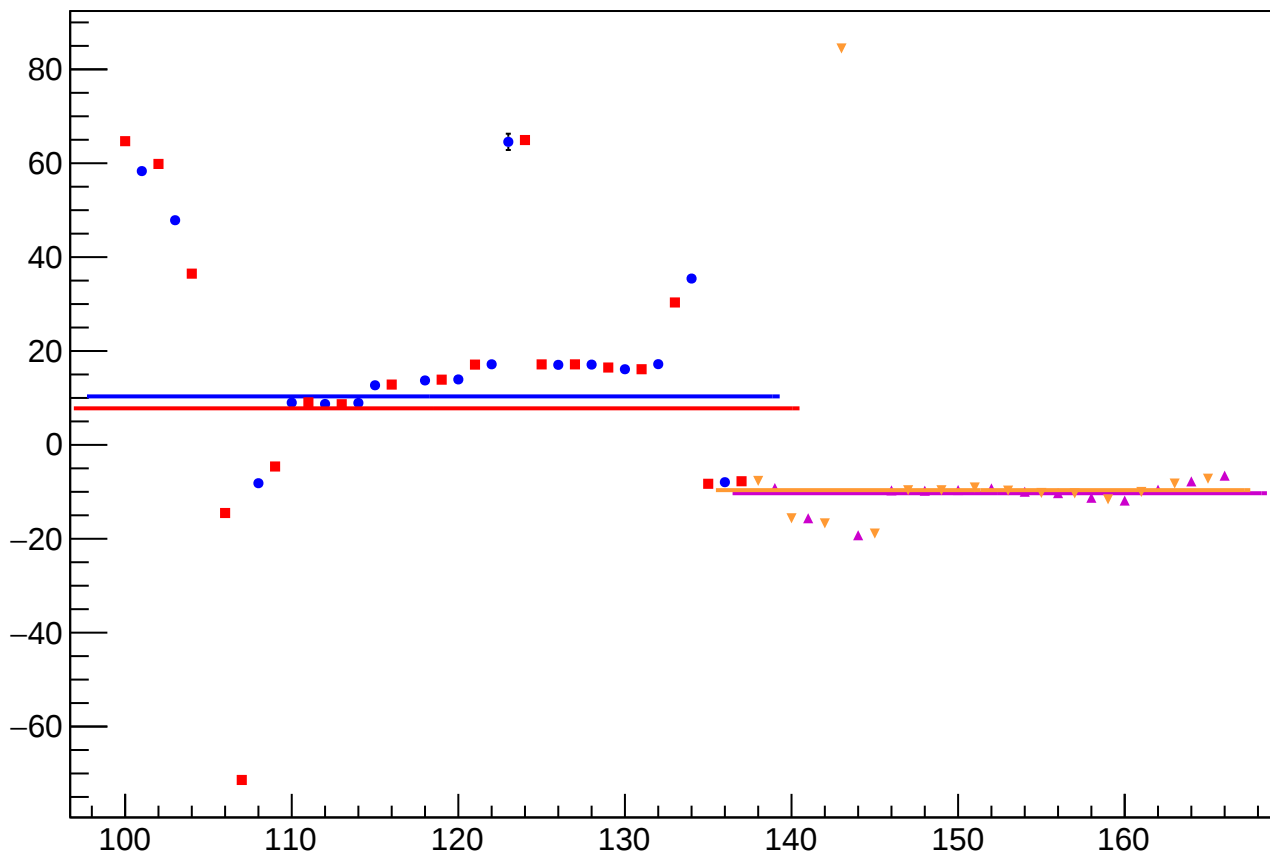
Right: -12.826 ± 0.380 χ^2/NDF : 1510.1/35

In: 0.537 ± 0.276 χ^2/NDF : 1677.7/30

Out: 0.834 ± 0.277 χ^2/NDF : 1831.1/33

All: 0.685 ± 0.195 χ^2/NDF : 3509.4/64

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 $\pm$ 0.031 χ^2 /NDF: 380857.1/16

Left Out: -9.640 $\pm$ 0.015 χ^2 /NDF:358868.8/14

Right Out: 7.786 $\pm$ 0.031 χ^2 /NDF: 544119.7/18

Left In: -10.297 $\pm$ 0.015 χ^2 /NDF:29346.7/13

Left: -9.975 $\pm$ 0.011 χ^2 /NDF: 389171.6/28

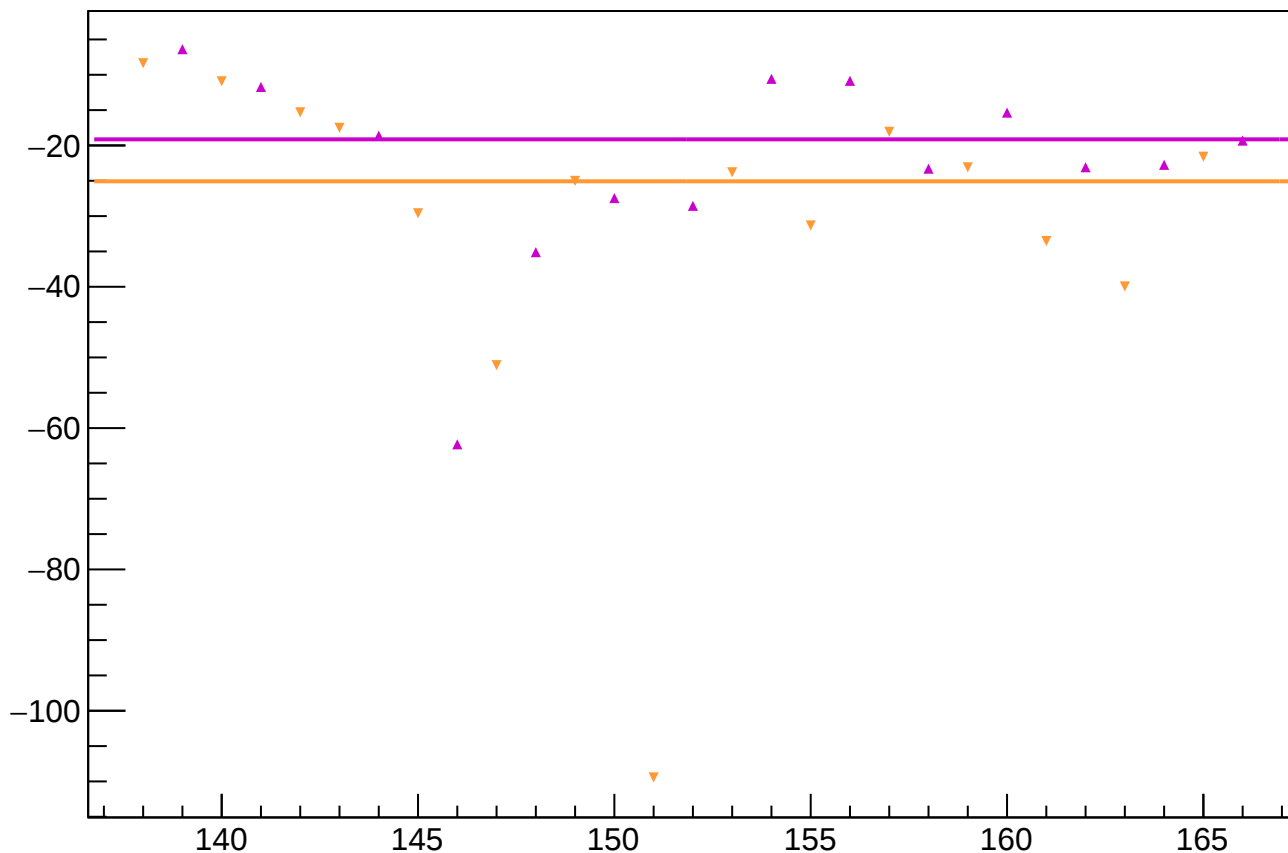
Right: 9.084 $\pm$ 0.022 χ^2 /NDF: 928345.1/35

In: -6.362 $\pm$ 0.013 χ^2 /NDF:776090.1/30

Out: -6.332 $\pm$ 0.014 χ^2 /NDF:1154039.1/33

All: -6.347 $\pm$ 0.010 χ^2 /NDF: 1930131.6/64

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.075+/-0.065 χ^2/NDF : 56717.8/14

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

Left In: -19.138+/-0.056 χ^2/NDF : 37037.8/13

Left: -21.626+/-0.042 χ^2/NDF : 98551.0/28

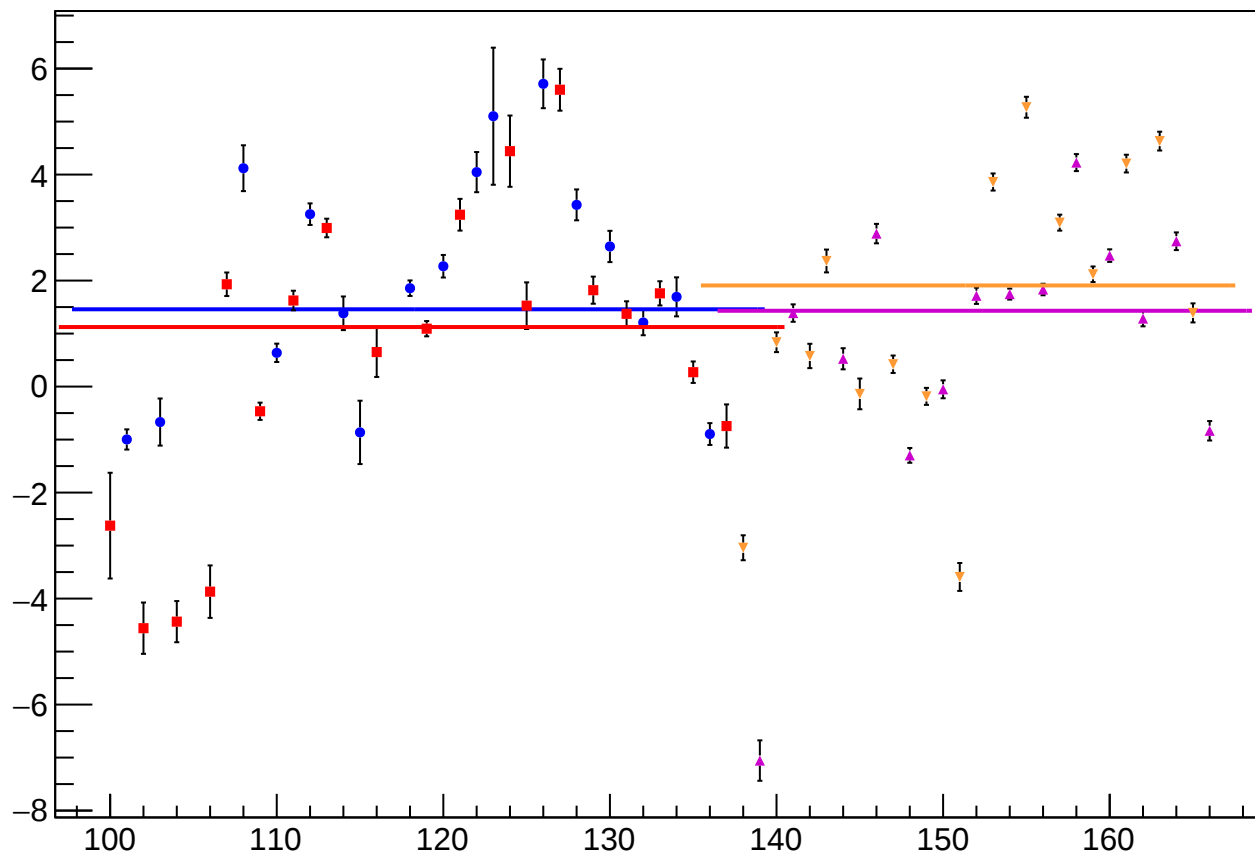
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.138+/-0.056 χ^2/NDF : 37037.8/13

Out: -25.075+/-0.065 χ^2/NDF : 56717.8/14

All: -21.626+/-0.042 χ^2/NDF : 98551.0/28

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 1.908 ± 0.048 χ^2/NDF : 2182.4/14

Right Out: 1.123 ± 0.058 χ^2/NDF : 947.4/18

Left In: 1.430 ± 0.040 χ^2/NDF : 1659.4/13

Left: 1.628 ± 0.031 χ^2/NDF : 3901.1/28

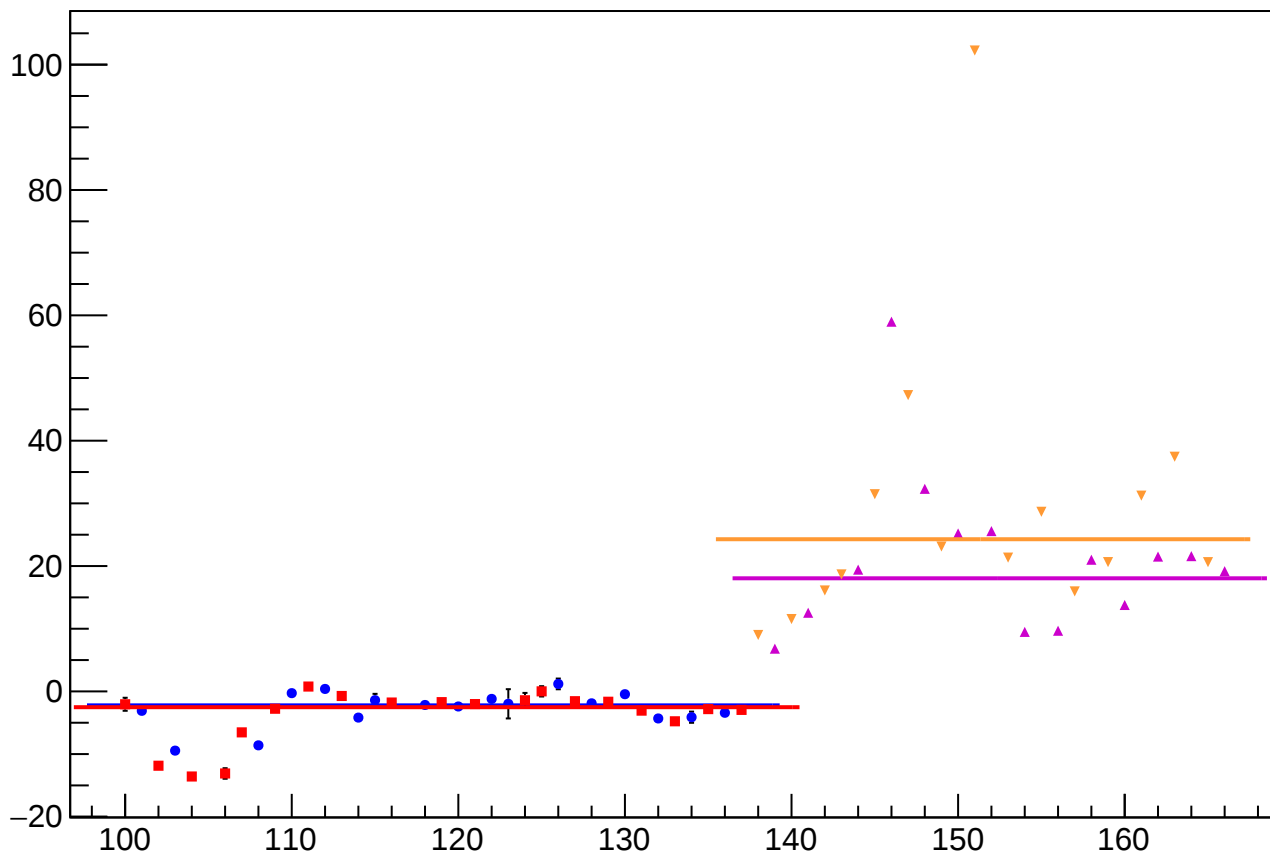
Right: 1.280 ± 0.042 χ^2/NDF : 1661.2/35

In: 1.438 ± 0.034 χ^2/NDF : 2357.7/30

Out: 1.593 ± 0.037 χ^2/NDF : 3239.2/33

All: 1.509 ± 0.025 χ^2/NDF : 5606.6/64

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 24.278 ± 0.064 χ^2/NDF : 50830.3/14

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

Left In: 18.045 ± 0.053 χ^2/NDF : 35151.2/13

Left: 20.611 ± 0.041 χ^2/NDF : 91575.3/28

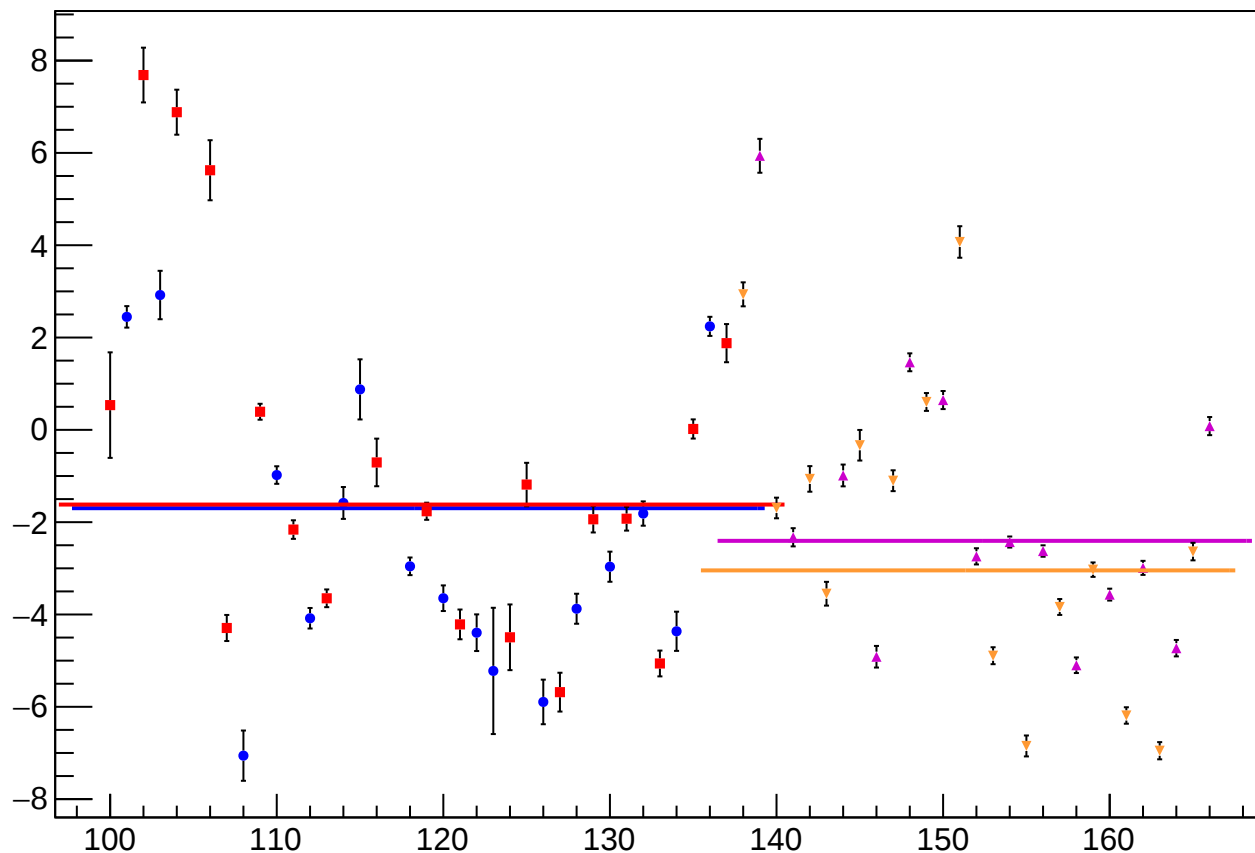
Right: -2.391 ± 0.074 χ^2/NDF : 1368.3/35

In: 14.241 ± 0.048 χ^2/NDF : 62580.6/30

Out: 16.390 ± 0.054 χ^2/NDF : 103463.1/33

All: 15.200 ± 0.036 χ^2/NDF : 166930.8/64

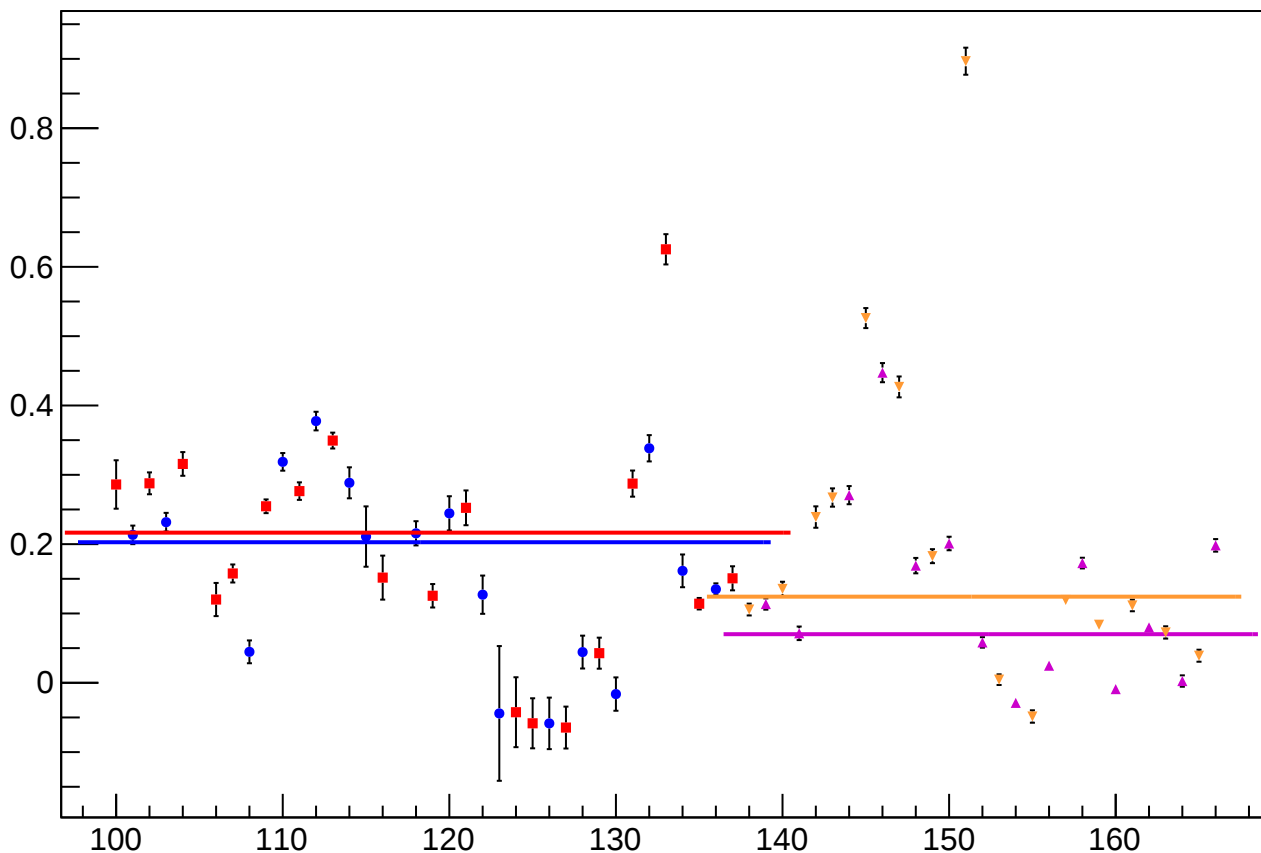
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697±/0.071 χ^2/NDF : 1319.4/16
 Left Out: -3.045±/0.054 χ^2/NDF :2711.3/14
 Right Out: -1.618±/0.066 χ^2/NDF : 1489.2/18
 Left In: -2.404±/0.045 χ^2/NDF :1997.2/13

Left: -2.667±/0.035 χ^2/NDF : 4790.3/28
 Right: -1.655±/0.048 χ^2/NDF : 2809.3/35
 In: -2.200±/0.038 χ^2/NDF :3386.9/30
 Out: -2.465±/0.042 χ^2/NDF :4480.6/33
 All: -2.320±/0.028 χ^2/NDF : 7889.4/64

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



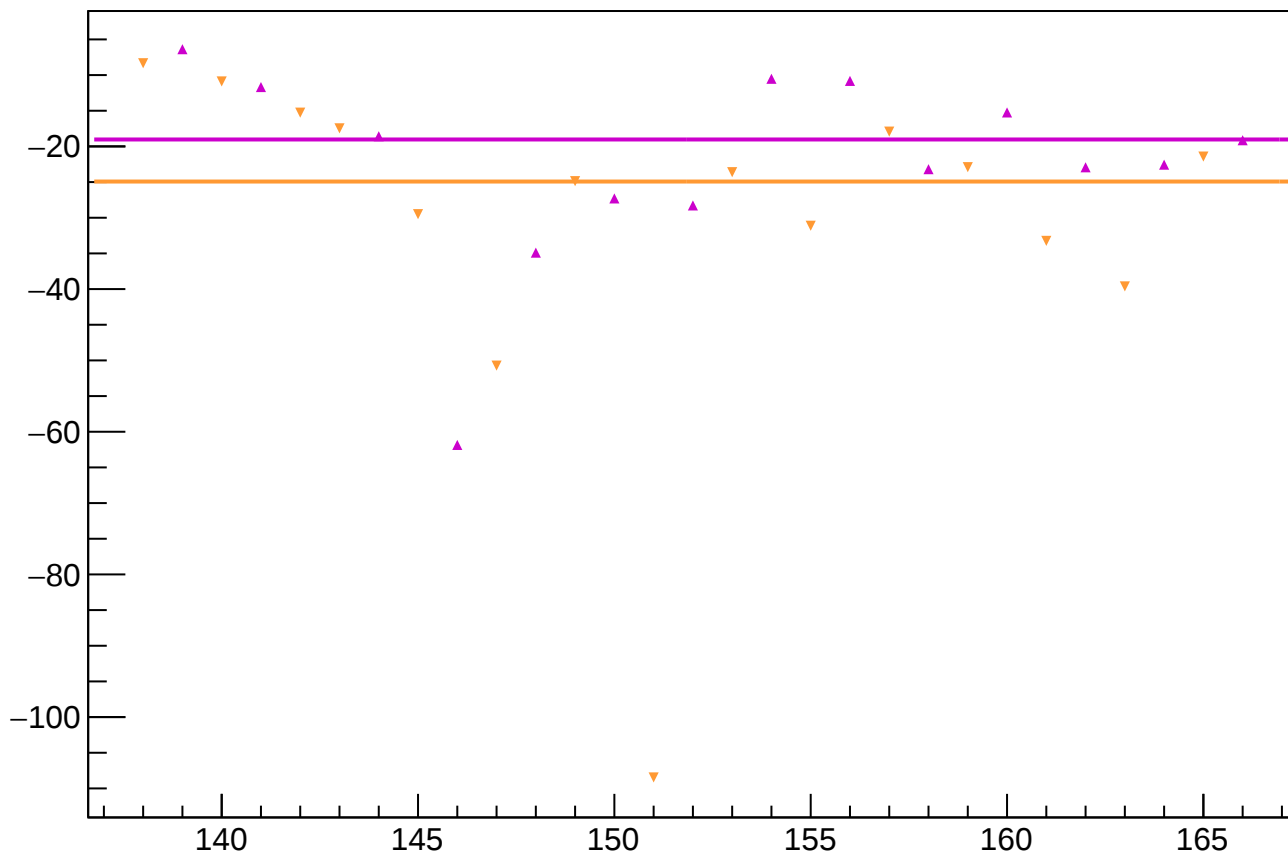
Left: 0.092 $\pm$ 0.002 χ^2 /NDF: 6407.4/28
 Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1747.1/35

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: 0.070 $\pm$ 0.002 χ^2 /NDF: 2382.9/13

In: 0.095 $\pm$ 0.002 χ^2 /NDF: 3887.8/30
 Out: 0.152 $\pm$ 0.002 χ^2 /NDF: 5229.1/33

All: 0.120 $\pm$ 0.001 χ^2 /NDF: 9559.7/64

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



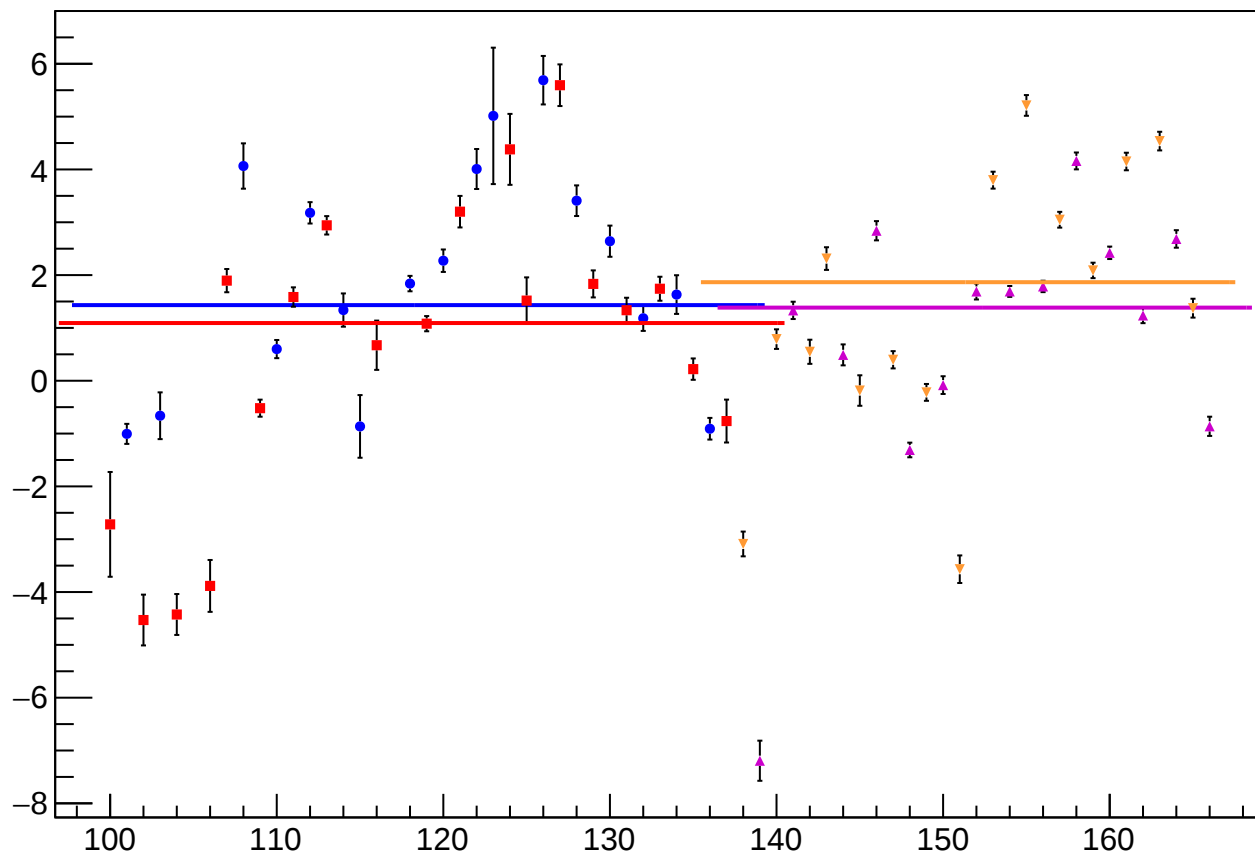
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -24.924+/-0.065 χ^2/NDF :56532.5/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -19.028+/-0.055 χ^2/NDF :36947.1/13

Left: -21.499+/-0.042 χ^2/NDF : 98265.7/28
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.028+/-0.055 χ^2/NDF :36947.1/13
 Out: -24.924+/-0.065 χ^2/NDF :56532.5/14

All: -21.499+/-0.042 χ^2/NDF : 98265.7/28

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 1.384 ± 0.040 χ^2/NDF : 1670.0/13

Left: 1.583 ± 0.030 χ^2/NDF : 3912.1/28

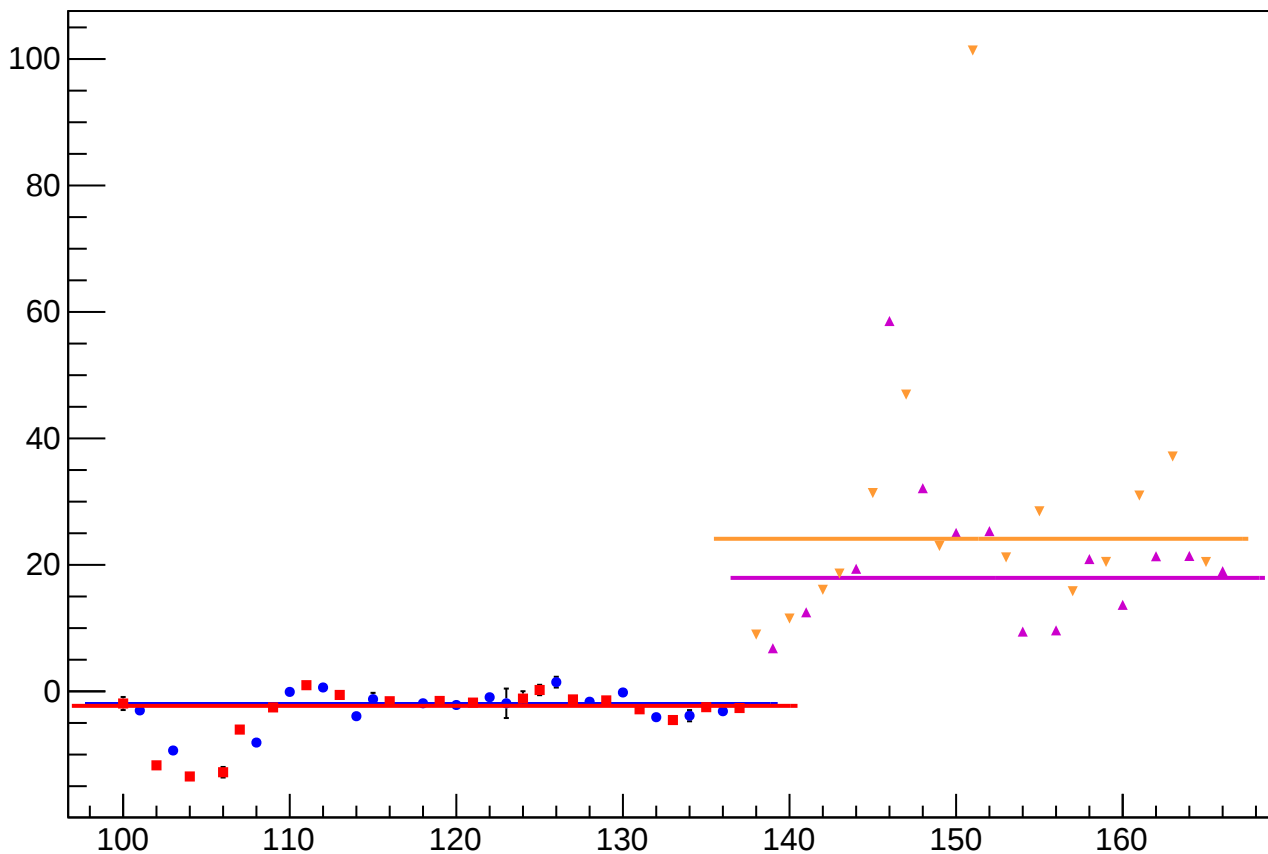
Right: 1.251 ± 0.042 χ^2/NDF : 1665.8/35

In: 1.398 ± 0.033 χ^2/NDF : 2367.0/30

Out: 1.556 ± 0.037 χ^2/NDF : 3241.6/33

All: 1.470 ± 0.025 χ^2/NDF : 5618.8/64

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 24.126 ± 0.064 χ^2/NDF : 50692.2/14

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

Left In: 17.942 ± 0.053 χ^2/NDF : 35074.6/13

Left: 20.489 ± 0.041 χ^2/NDF : 91343.2/28

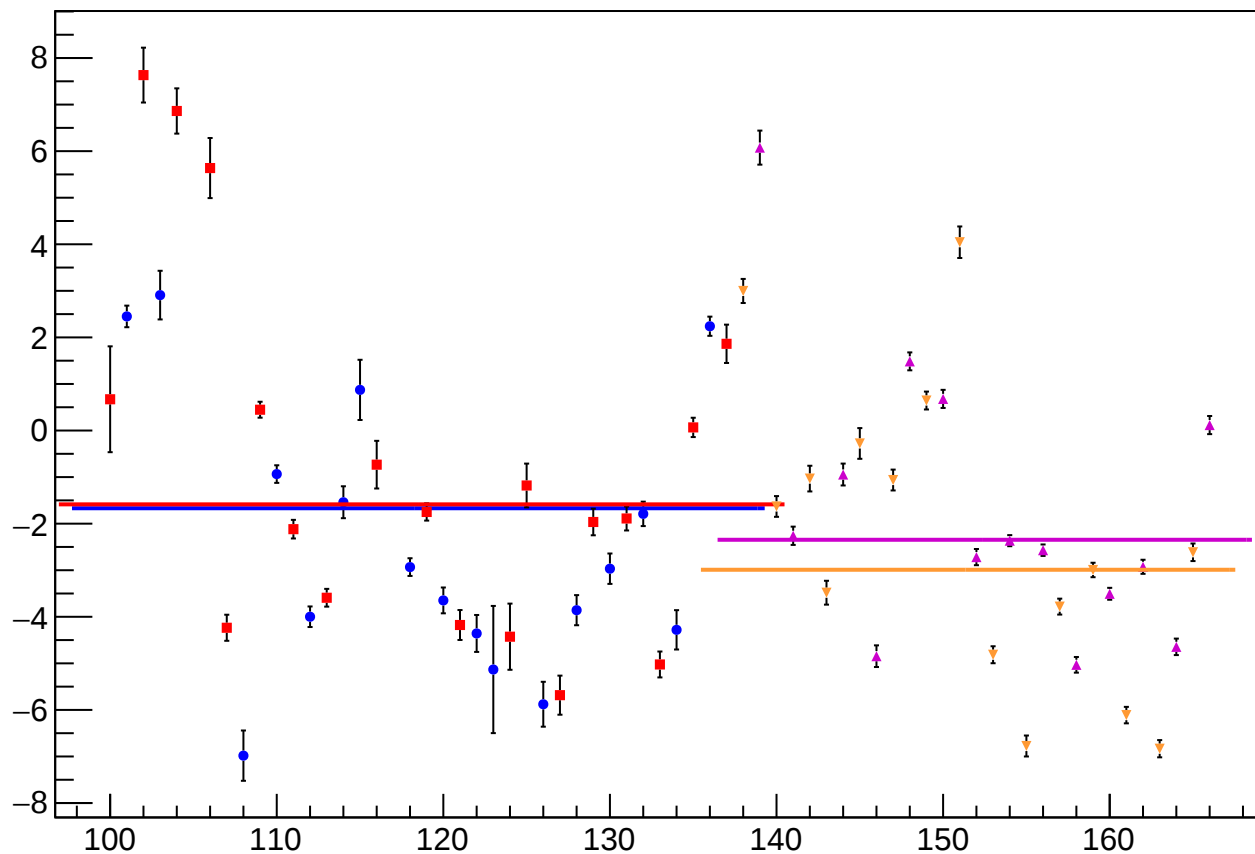
Right: -2.167 ± 0.074 χ^2/NDF : 1374.2/35

In: 14.207 ± 0.048 χ^2/NDF : 61917.5/30

Out: 16.361 ± 0.053 χ^2/NDF : 102448.9/33

All: 15.168 ± 0.036 χ^2/NDF : 165268.8/64

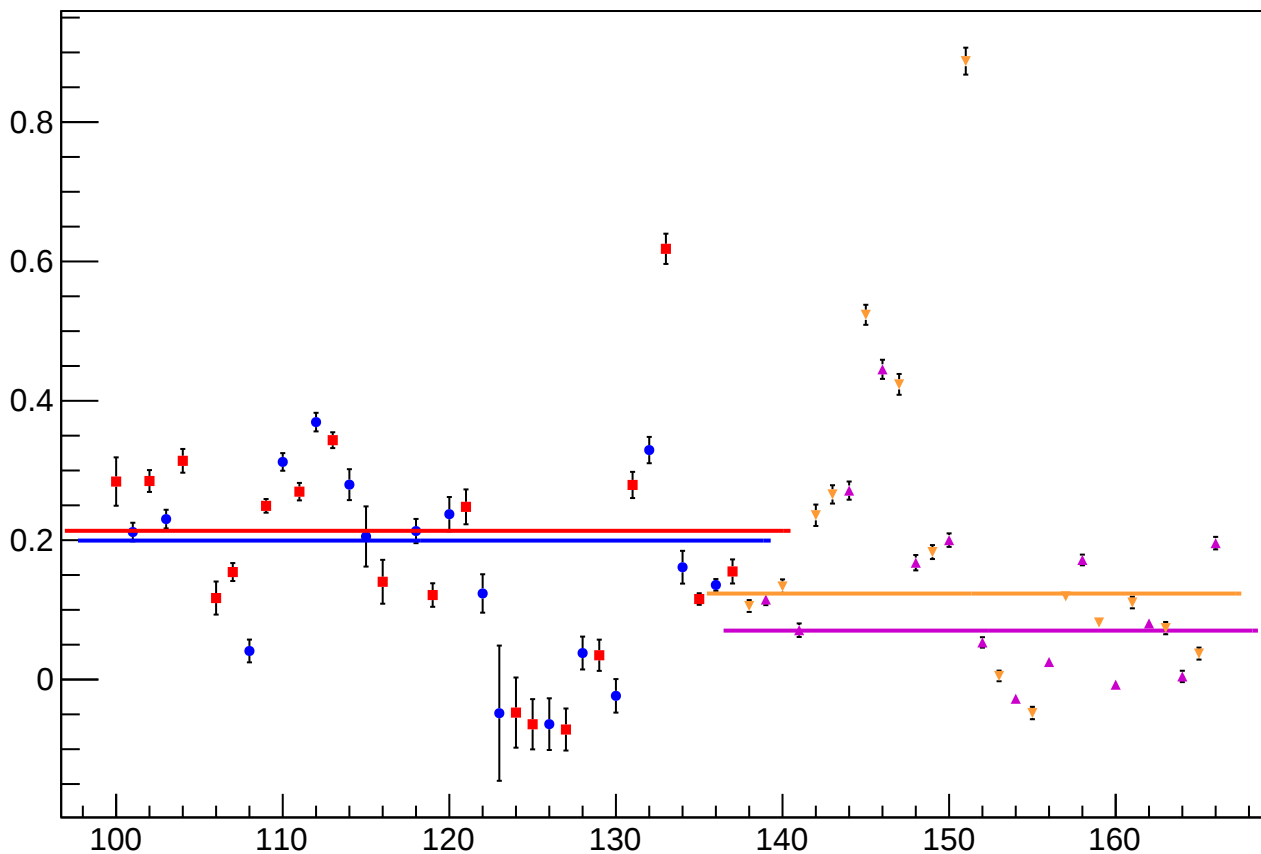
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16
 Left Out: -2.990 ± 0.054 χ^2/NDF : 2708.8/14
 Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18
 Left In: -2.346 ± 0.045 χ^2/NDF : 2009.3/13

Left: -2.611 ± 0.035 χ^2/NDF : 4801.9/28
 Right: -1.624 ± 0.048 χ^2/NDF : 2810.4/35
 In: -2.151 ± 0.038 χ^2/NDF : 3389.3/30
 Out: -2.421 ± 0.042 χ^2/NDF : 4478.0/33
 All: -2.273 ± 0.028 χ^2/NDF : 7890.2/64

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.070 ± 0.002 χ^2/NDF : 2369.9/13

Left: 0.091 ± 0.002 χ^2/NDF : 6382.6/28

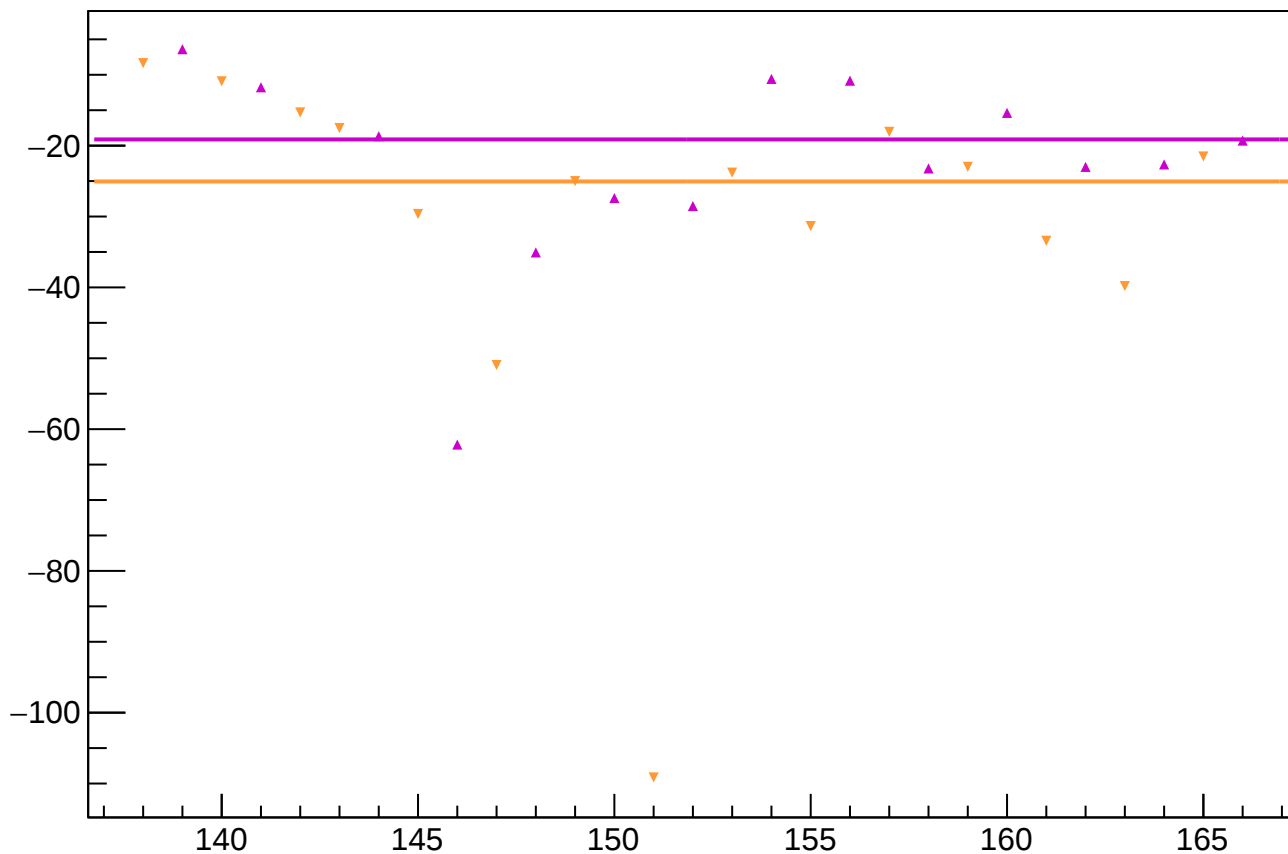
Right: 0.207 ± 0.003 χ^2/NDF : 1716.7/35

In: 0.094 ± 0.002 χ^2/NDF : 3826.2/30

Out: 0.151 ± 0.002 χ^2/NDF : 5191.2/33

All: 0.119 ± 0.001 χ^2/NDF : 9449.7/64

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.053+/-0.065 χ^2/NDF :56660.3/14

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

Left In: -19.122+/-0.055 χ^2/NDF :37012.9/13

Left: -21.607+/-0.042 χ^2/NDF : 98478.5/28

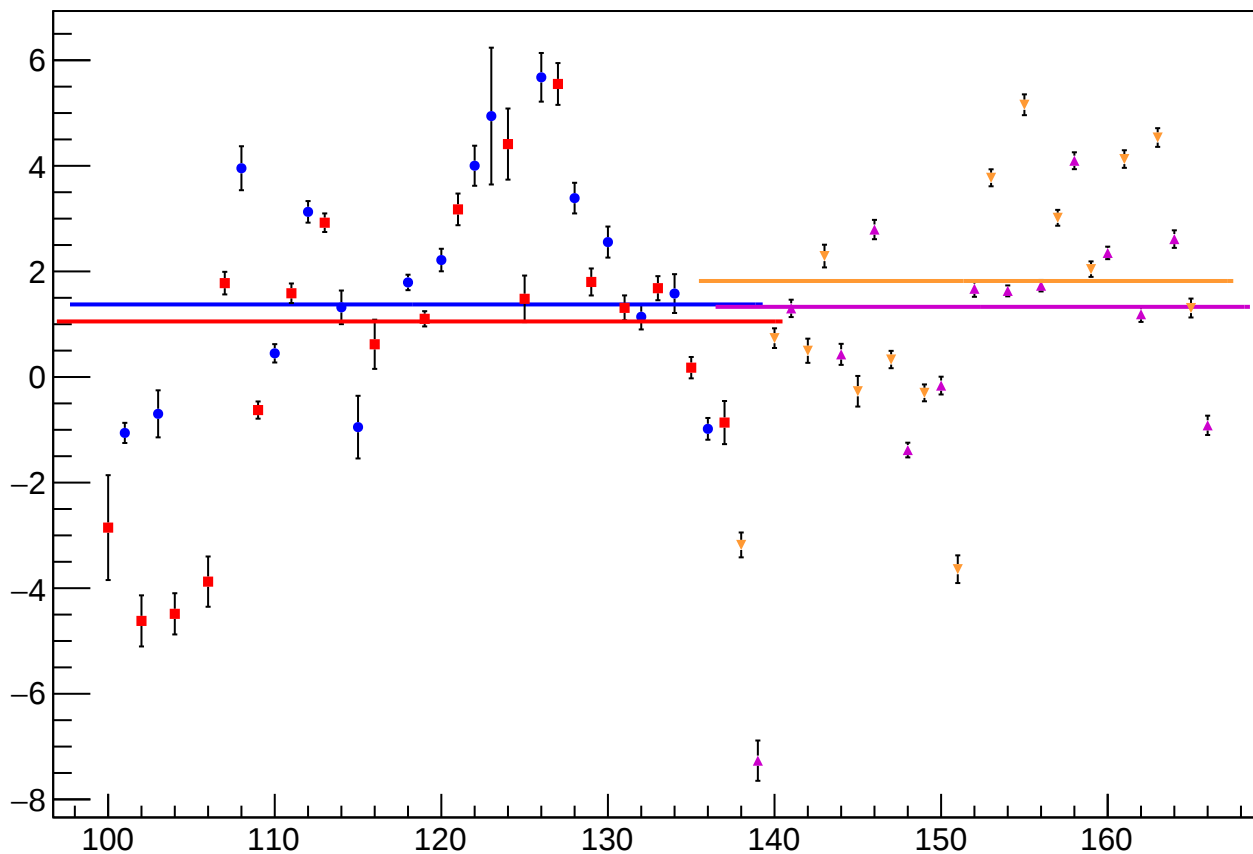
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.122+/-0.055 χ^2/NDF :37012.9/13

Out: -25.053+/-0.065 χ^2/NDF :56660.3/14

All: -21.607+/-0.042 χ^2/NDF : 98478.5/28

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 $\pm$ 0.062 χ^2 /NDF: 702.4/16

Left Out: 1.819 $\pm$ 0.047 χ^2 /NDF:2200.2/14

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 964.0/18

Left In: 1.329 $\pm$ 0.040 χ^2 /NDF:1662.0/13

Left: 1.531 $\pm$ 0.030 χ^2 /NDF: 3924.7/28

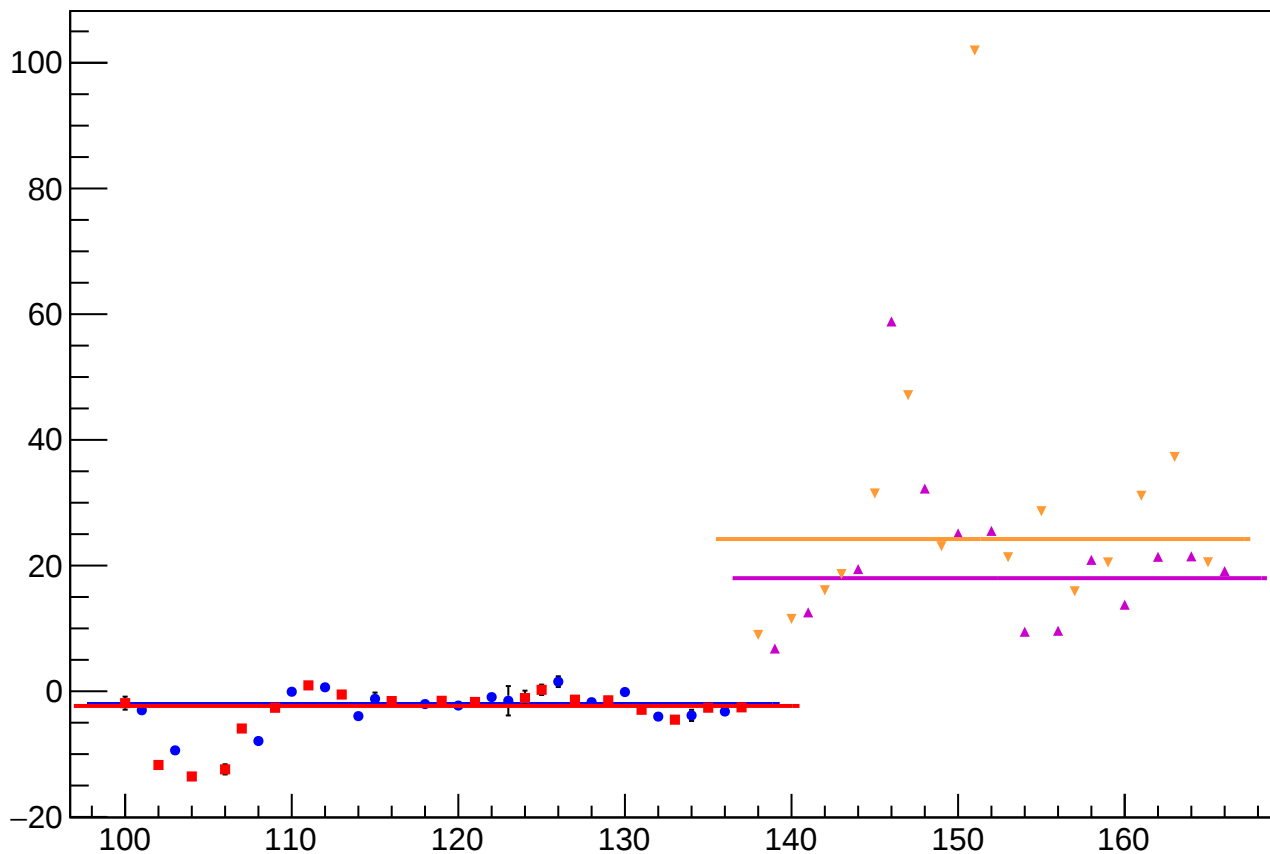
Right: 1.203 $\pm$ 0.042 χ^2 /NDF: 1680.9/35

In: 1.342 $\pm$ 0.033 χ^2 /NDF:2364.8/30

Out: 1.511 $\pm$ 0.037 χ^2 /NDF:3268.9/33

All: 1.419 $\pm$ 0.025 χ^2 /NDF: 5645.3/64

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 24.220 ± 0.064 χ^2/NDF : 50801.2/14

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

Left In: 17.995 ± 0.053 χ^2/NDF : 35150.2/13

Left: 20.557 ± 0.041 χ^2/NDF : 91556.6/28

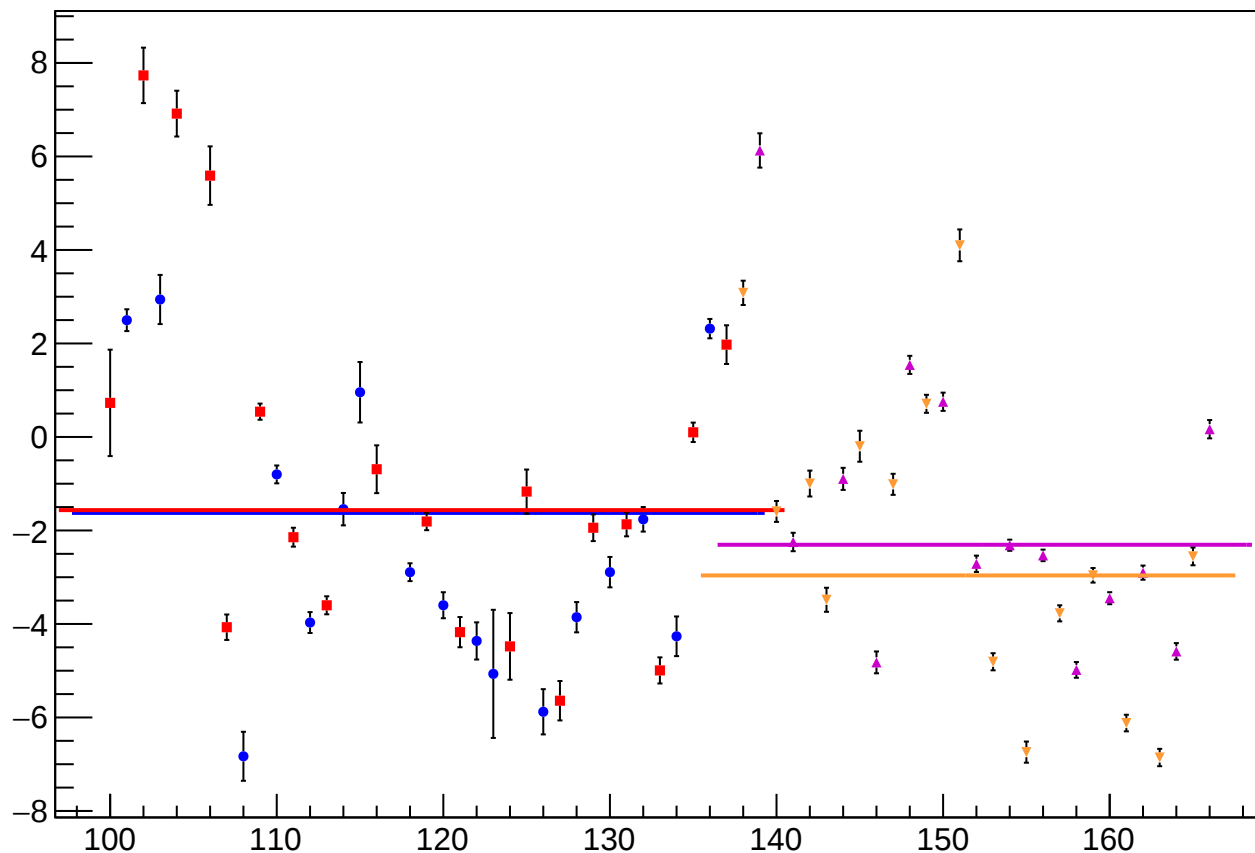
Right: -2.202 ± 0.074 χ^2/NDF : 1369.3/35

In: 14.255 ± 0.048 χ^2/NDF : 61938.5/30

Out: 16.424 ± 0.054 χ^2/NDF : 102596.0/33

All: 15.222 ± 0.036 χ^2/NDF : 165441.7/64

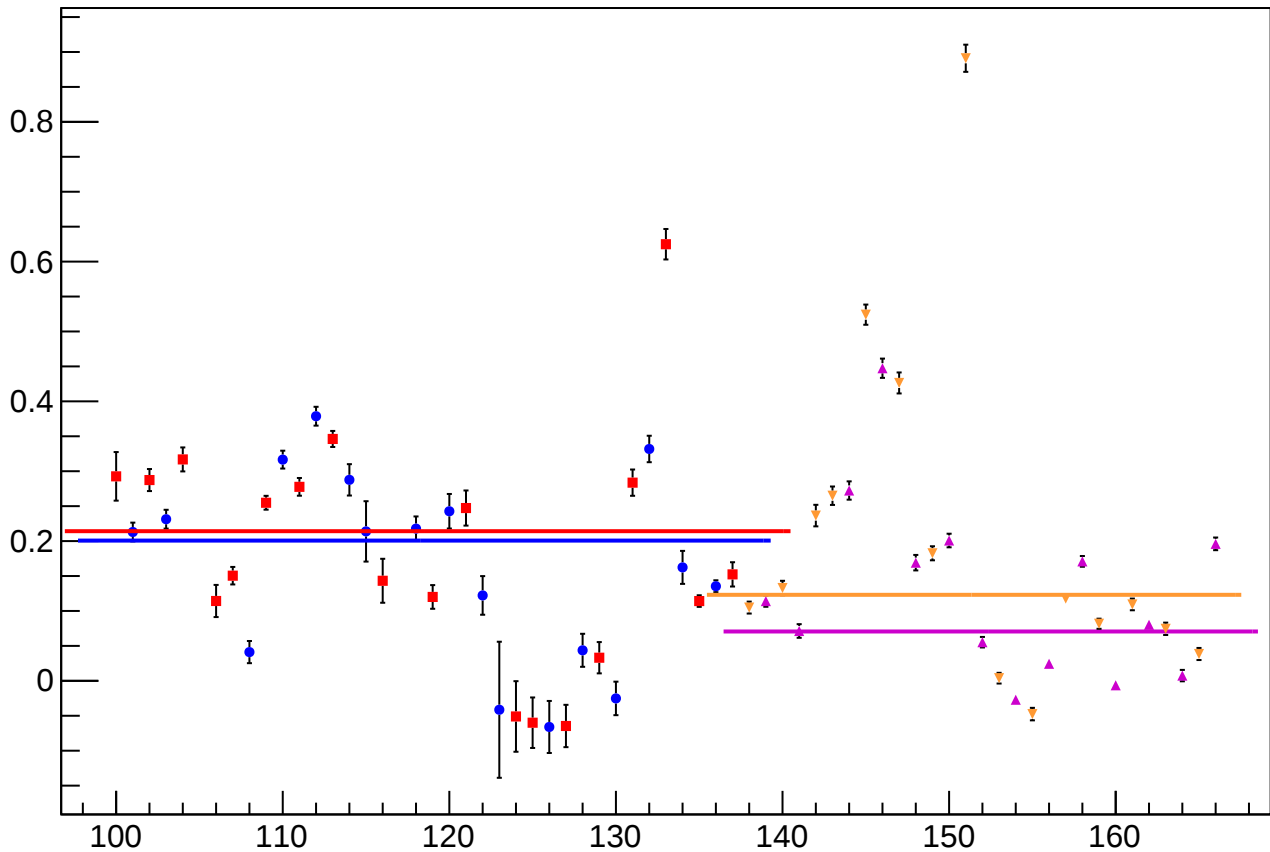
reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16
 Left Out: -2.962 ± 0.054 χ^2/NDF : 2734.2/14
 Right Out: -1.565 ± 0.066 χ^2/NDF : 1505.8/18
 Left In: -2.306 ± 0.045 χ^2/NDF : 2001.9/13

Left: -2.575 ± 0.035 χ^2/NDF : 4822.3/28
 Right: -1.592 ± 0.048 χ^2/NDF : 2826.9/35
 In: -2.110 ± 0.038 χ^2/NDF : 3388.0/30
 Out: -2.395 ± 0.042 χ^2/NDF : 4509.5/33
 All: -2.239 ± 0.028 χ^2/NDF : 7922.9/64

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.123 ± 0.002 χ^2/NDF : 3714.1/14

Right Out: 0.214 ± 0.004 χ^2/NDF : 1080.4/18

Left In: 0.071 ± 0.002 χ^2/NDF : 2352.3/13

Left: 0.092 ± 0.002 χ^2/NDF : 6342.9/28

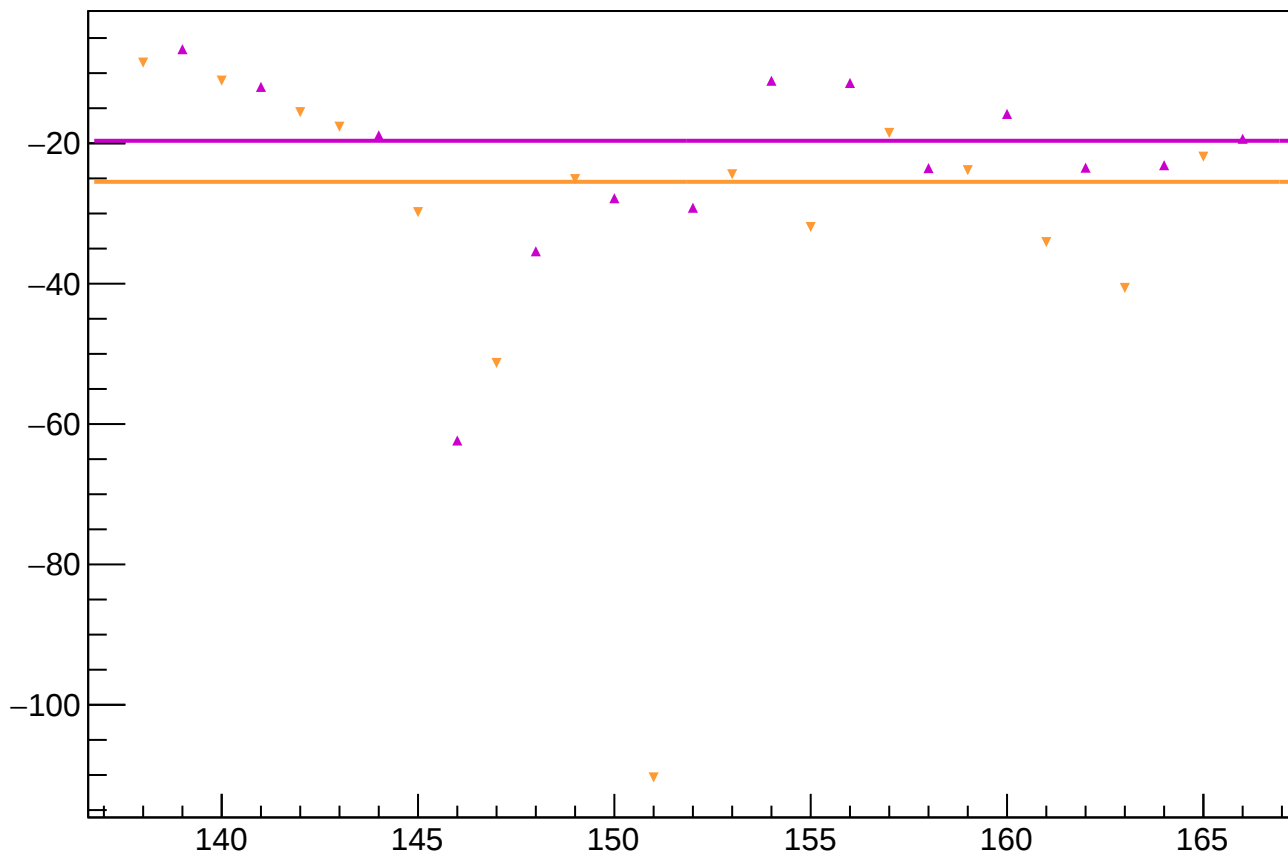
Right: 0.208 ± 0.003 χ^2/NDF : 1776.9/35

In: 0.095 ± 0.002 χ^2/NDF : 3842.3/30

Out: 0.151 ± 0.002 χ^2/NDF : 5218.3/33

All: 0.120 ± 0.001 χ^2/NDF : 9482.8/64

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.483+/-0.066 χ^2/NDF :56583.9/14

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

Left In: -19.638+/-0.057 χ^2/NDF :35860.7/13

Left: -22.106+/-0.043 χ^2/NDF : 96933.1/28

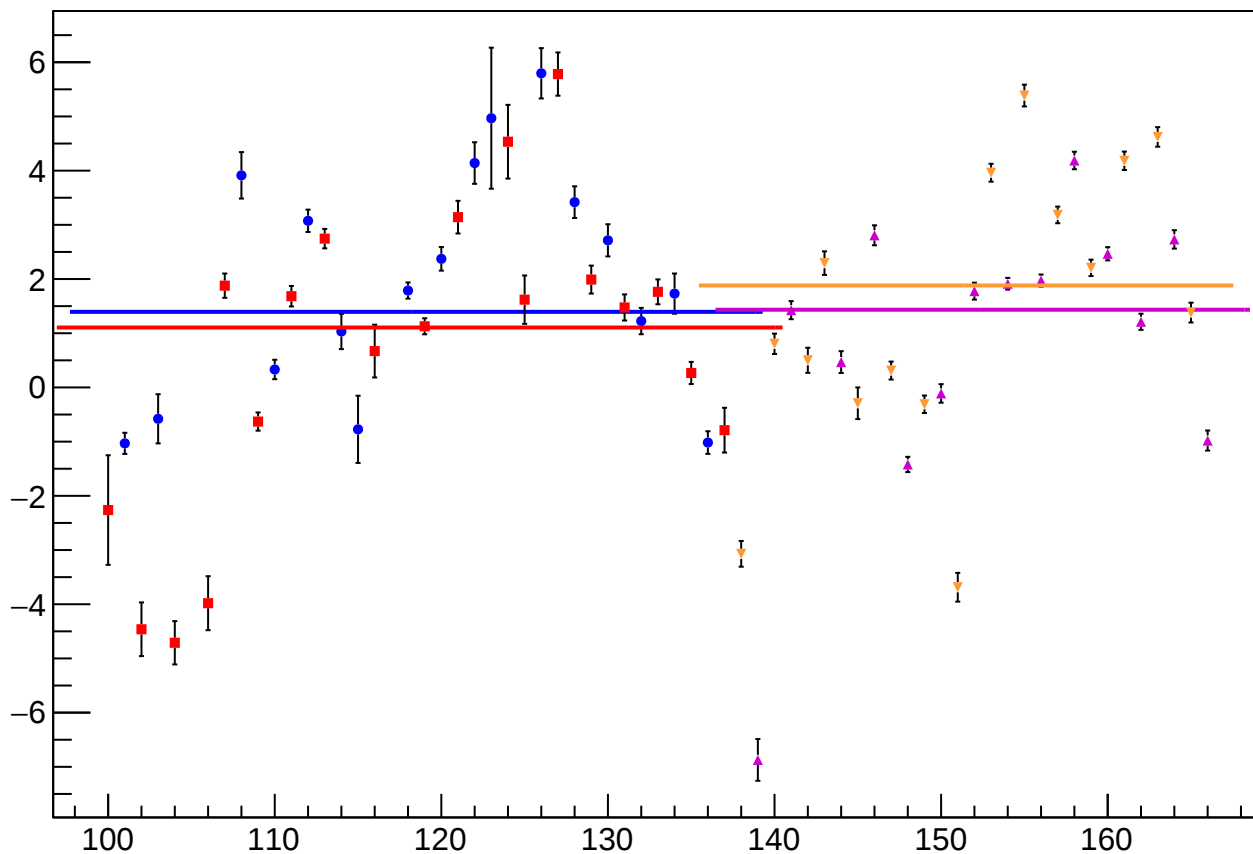
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.638+/-0.057 χ^2/NDF :35860.7/13

Out: -25.483+/-0.066 χ^2/NDF :56583.9/14

All: -22.106+/-0.043 χ^2/NDF : 96933.1/28

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 ± 0.063 χ^2/NDF : 701.4/16

Left Out: 1.881 ± 0.048 χ^2/NDF : 2238.6/14

Right Out: 1.106 ± 0.059 χ^2/NDF : 937.0/18

Left In: 1.434 ± 0.041 χ^2/NDF : 1673.4/13

Left: 1.620 ± 0.031 χ^2/NDF : 3962.3/28

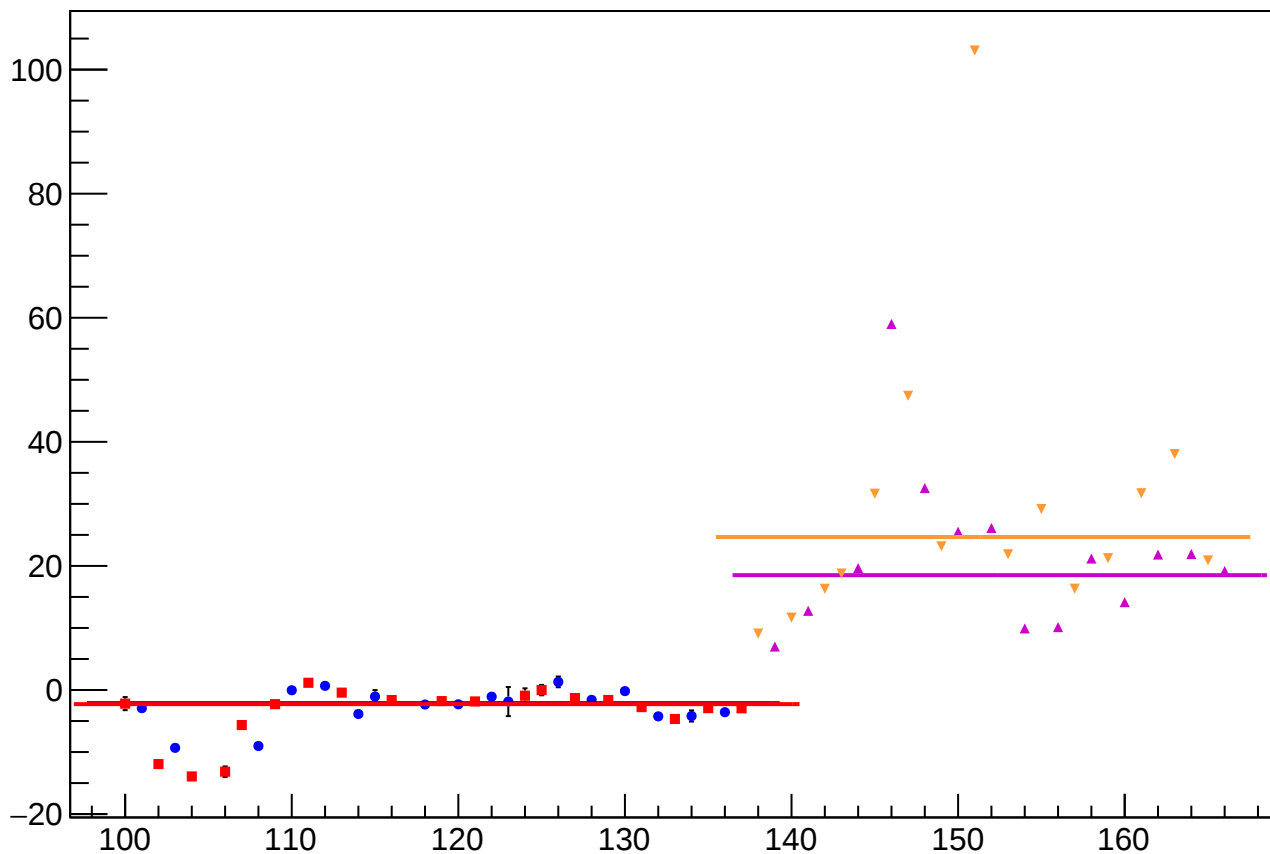
Right: 1.241 ± 0.043 χ^2/NDF : 1649.6/35

In: 1.422 ± 0.034 χ^2/NDF : 2375.2/30

Out: 1.572 ± 0.037 χ^2/NDF : 3278.7/33

All: 1.490 ± 0.025 χ^2/NDF : 5662.6/64

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 24.663 ± 0.065 χ^2/NDF : 50580.3/14

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

Left In: 18.511 ± 0.055 χ^2/NDF : 33887.4/13

Left: 21.063 ± 0.042 χ^2/NDF : 89725.9/28

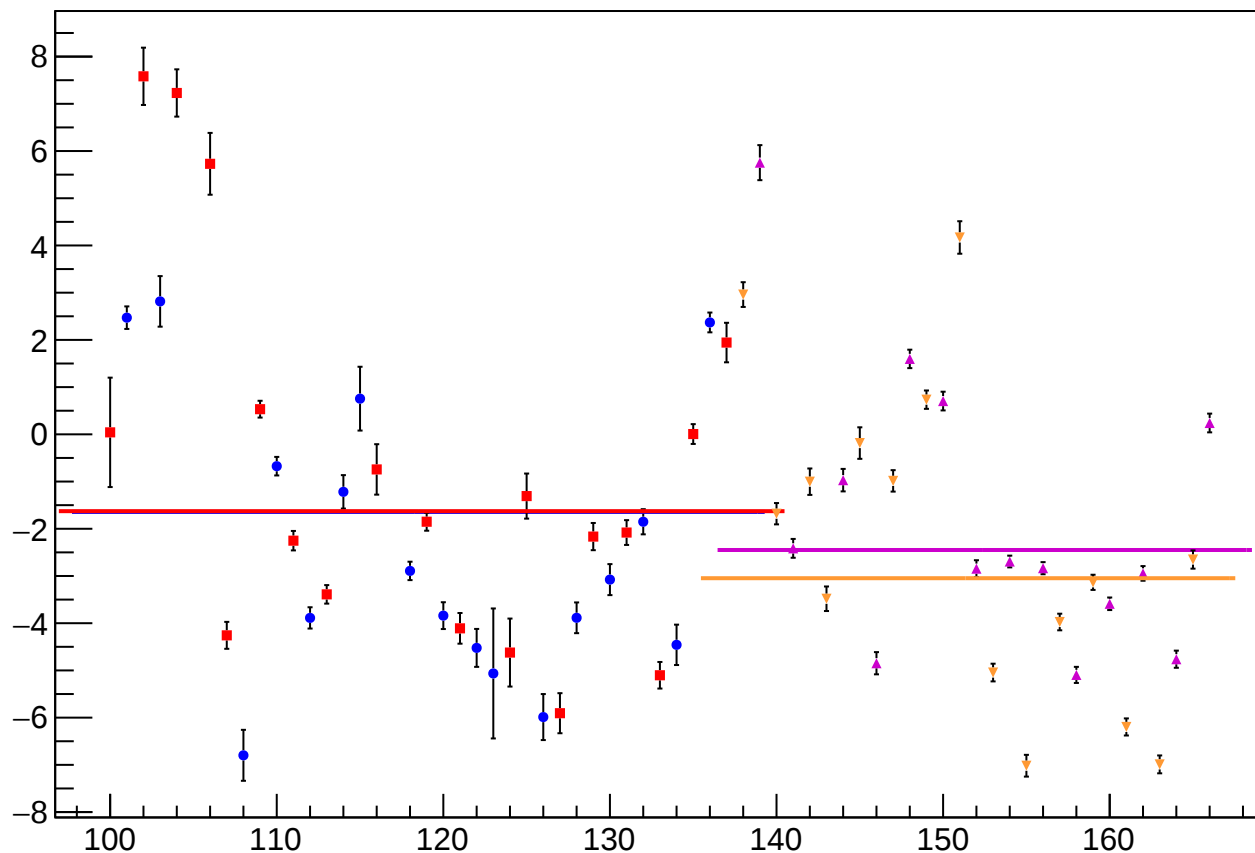
Right: -2.207 ± 0.075 χ^2/NDF : 1406.8/35

In: 14.617 ± 0.049 χ^2/NDF : 61271.0/30

Out: 16.794 ± 0.055 χ^2/NDF : 101827.6/33

All: 15.593 ± 0.037 χ^2/NDF : 163975.4/64

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -2.449 ± 0.046 $\chi^2/\text{NDF}: 2002.4/13$

Left: -2.697 ± 0.035 $\chi^2/\text{NDF}: 4843.1/28$

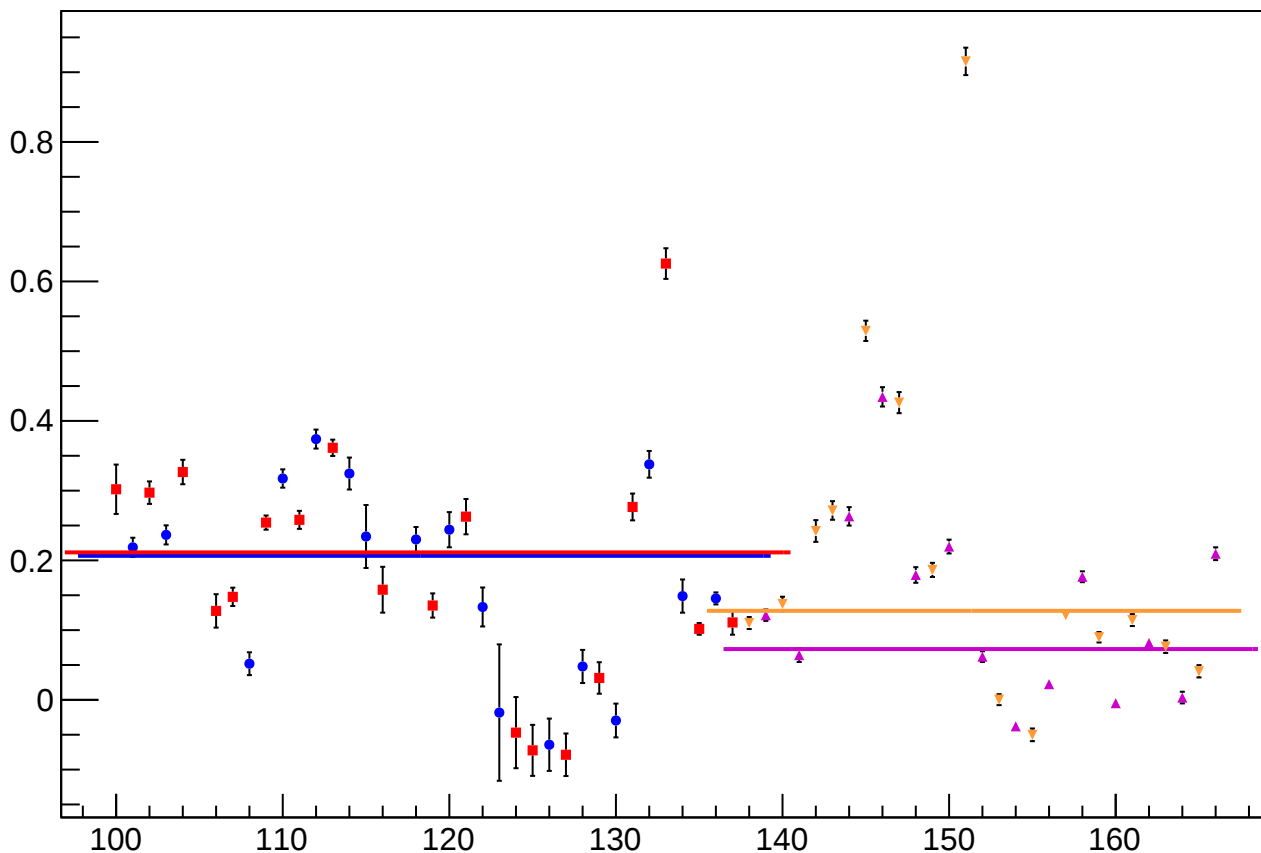
Right: -1.635 ± 0.049 $\chi^2/\text{NDF}: 2778.2/35$

In: -2.215 ± 0.039 $\chi^2/\text{NDF}: 3400.5/30$

Out: -2.473 ± 0.043 $\chi^2/\text{NDF}: 4508.0/33$

All: -2.333 ± 0.029 $\chi^2/\text{NDF}: 7928.5/64$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected

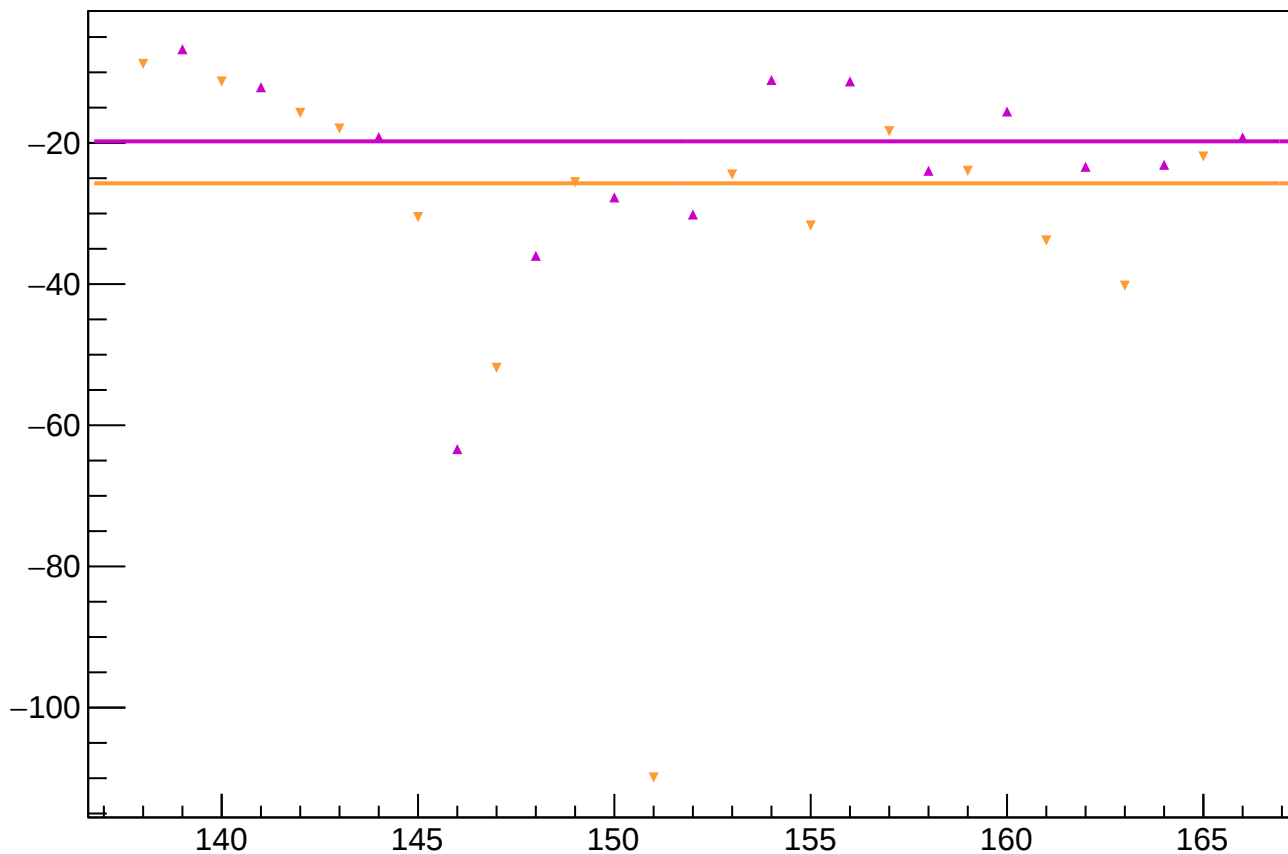


Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16
 Left Out: 0.128 $\pm$ 0.002 χ^2/NDF :3764.7/14
 Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18
 Left In: 0.073 $\pm$ 0.002 χ^2/NDF :2432.5/13

Left: 0.095 $\pm$ 0.002 χ^2/NDF : 6486.3/28
 Right: 0.209 $\pm$ 0.003 χ^2/NDF : 1801.3/35
 In: 0.098 $\pm$ 0.002 χ^2/NDF :3900.4/30
 Out: 0.153 $\pm$ 0.002 χ^2/NDF :5255.0/33

All: 0.122 $\pm$ 0.001 χ^2/NDF : 9545.7/64

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.720+/-0.067 χ^2/NDF :55338.7/14

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

Left In: -19.777+/-0.057 χ^2/NDF :36176.7/13

Left: -22.293+/-0.044 χ^2/NDF : 96049.0/28

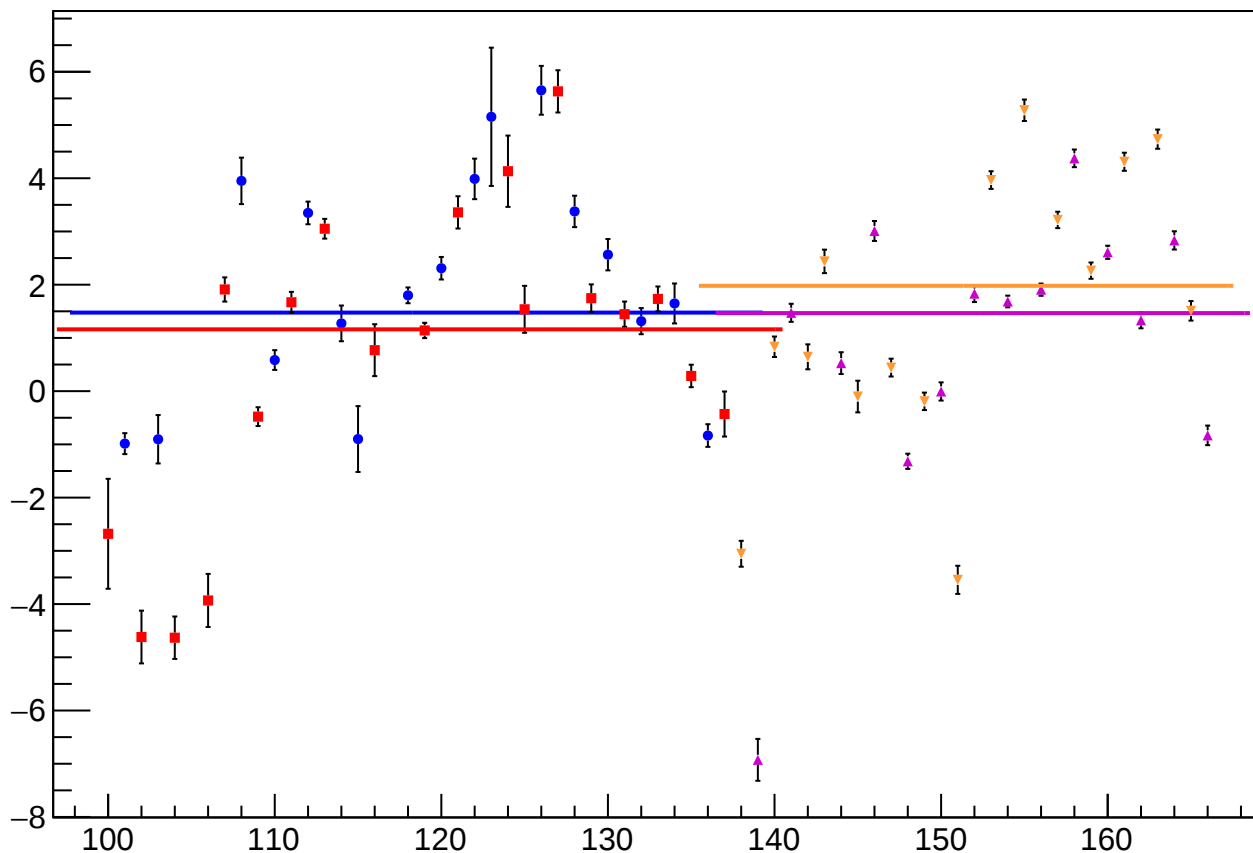
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.777+/-0.057 χ^2/NDF :36176.7/13

Out: -25.720+/-0.067 χ^2/NDF :55338.7/14

All: -22.293+/-0.044 χ^2/NDF : 96049.0/28

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 $\pm$ 0.064 χ^2 /NDF: 659.7/16

Left Out: 1.979 $\pm$ 0.049 χ^2 /NDF:2150.3/14

Right Out: 1.161 $\pm$ 0.060 χ^2 /NDF: 917.9/18

Left In: 1.467 $\pm$ 0.041 χ^2 /NDF:1633.3/13

Left: 1.681 $\pm$ 0.032 χ^2 /NDF: 3847.9/28

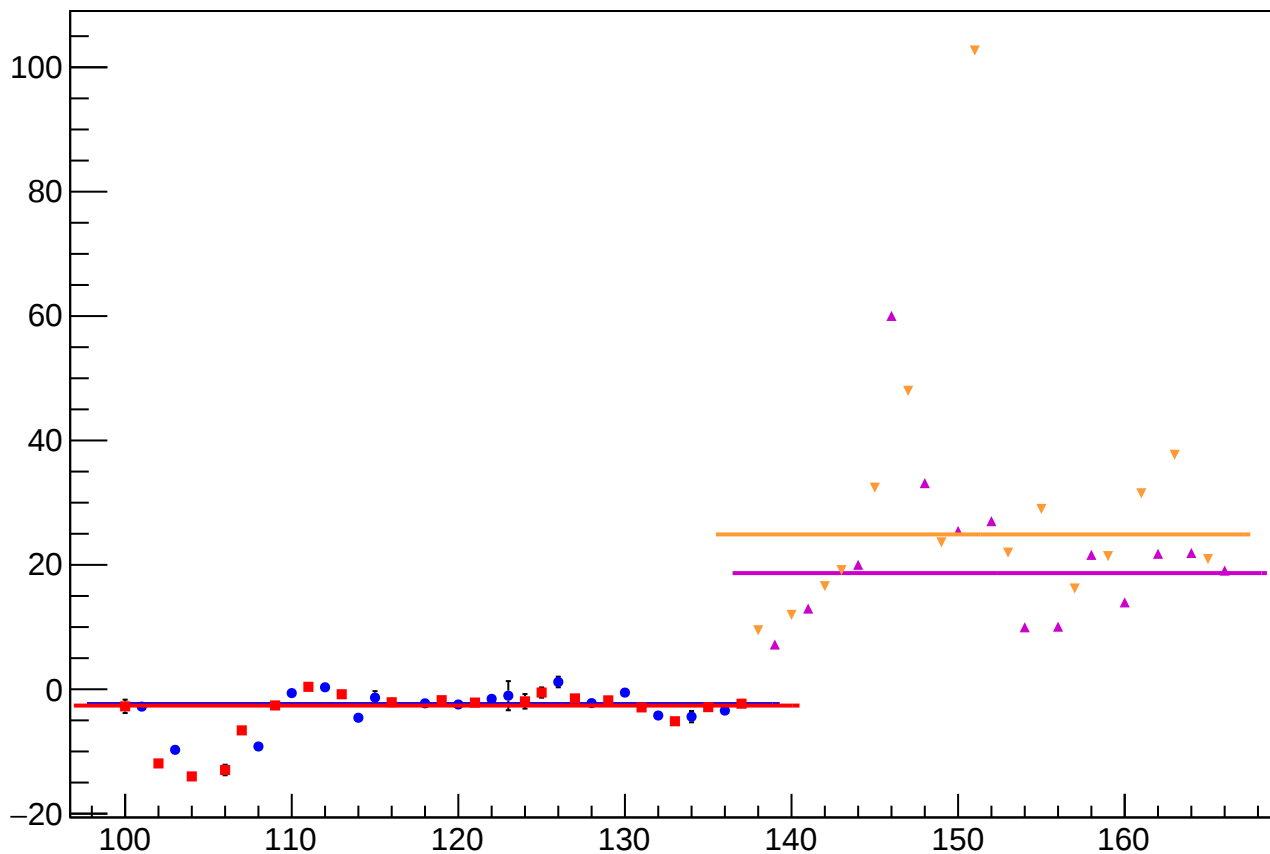
Right: 1.309 $\pm$ 0.044 χ^2 /NDF: 1590.5/35

In: 1.469 $\pm$ 0.035 χ^2 /NDF:2293.0/30

Out: 1.654 $\pm$ 0.038 χ^2 /NDF:3180.3/33

All: 1.554 $\pm$ 0.026 χ^2 /NDF: 5486.2/64

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 24.894 ± 0.066 χ^2/NDF : 49615.0/14

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

Left In: 18.677 ± 0.055 χ^2/NDF : 34217.7/13

Left: 21.266 ± 0.042 χ^2/NDF : 89083.1/28

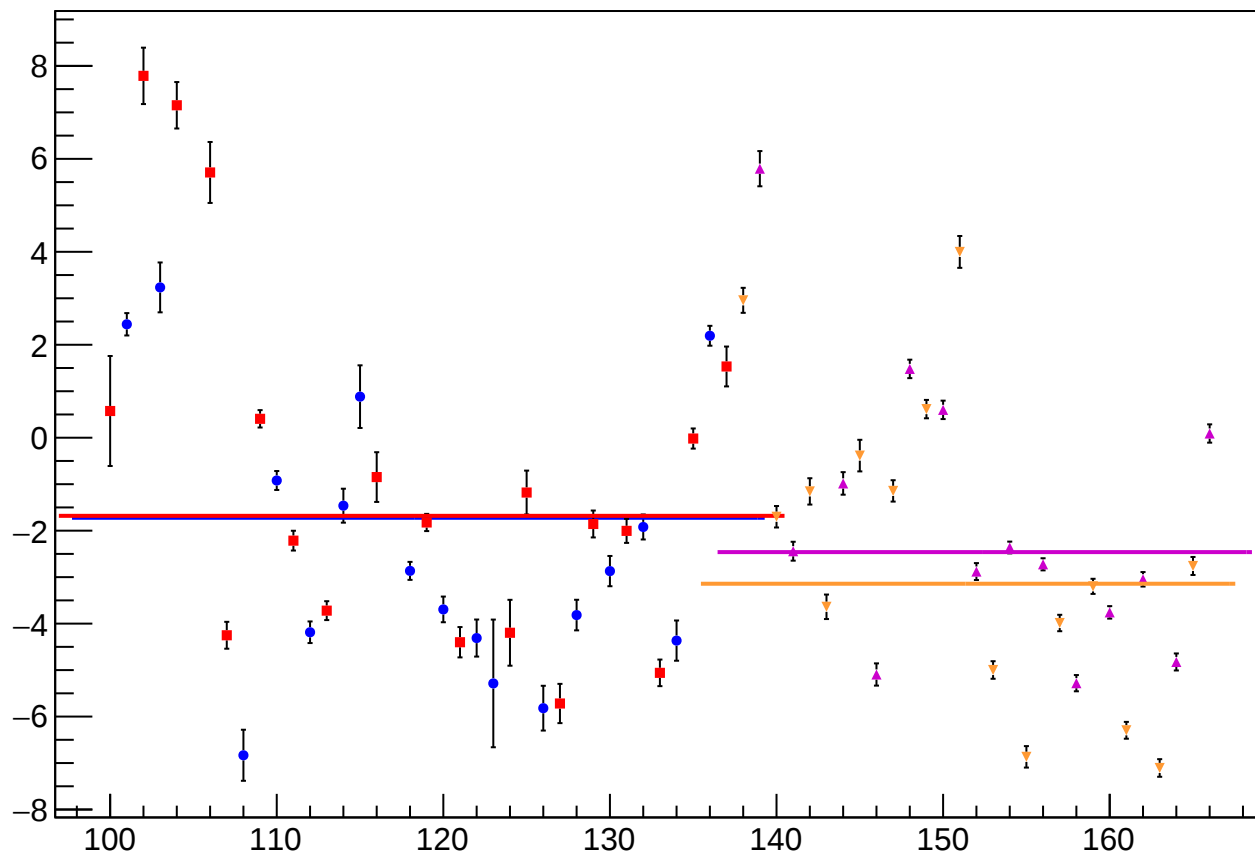
Right: -2.514 ± 0.077 χ^2/NDF : 1282.5/35

In: 14.716 ± 0.050 χ^2/NDF : 61862.3/30

Out: 16.990 ± 0.055 χ^2/NDF : 101075.4/33

All: 15.736 ± 0.037 χ^2/NDF : 163869.8/64

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -3.142 ± 0.056 χ^2/NDF : 2665.4/14

Right Out: -1.681 ± 0.068 χ^2/NDF : 1431.0/18

Left In: -2.461 ± 0.047 χ^2/NDF : 1978.0/13

Left: -2.745 ± 0.036 χ^2/NDF : 4730.7/28

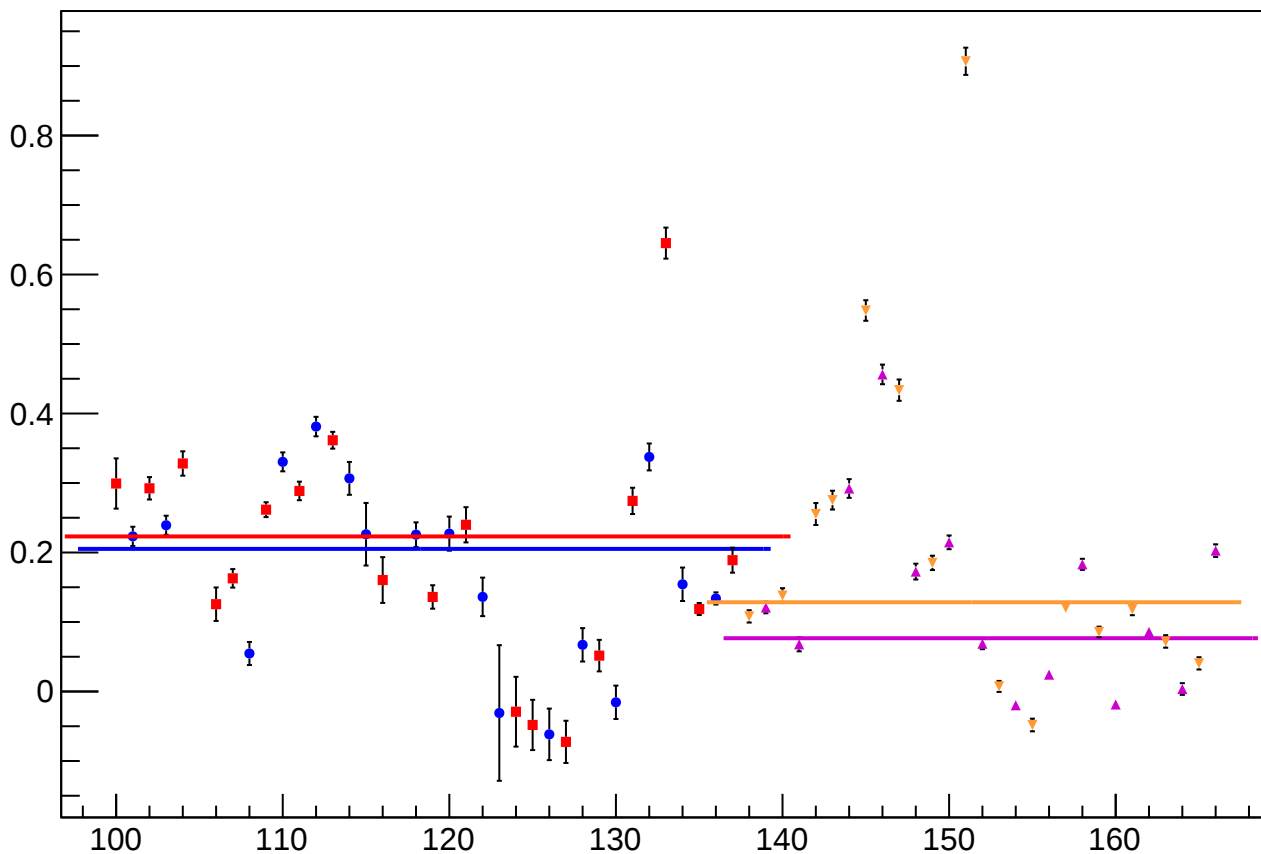
Right: -1.700 ± 0.050 χ^2/NDF : 2678.8/35

In: -2.245 ± 0.040 χ^2/NDF : 3298.0/30

Out: -2.555 ± 0.043 χ^2/NDF : 4373.0/33

All: -2.387 ± 0.029 χ^2/NDF : 7699.1/64

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected

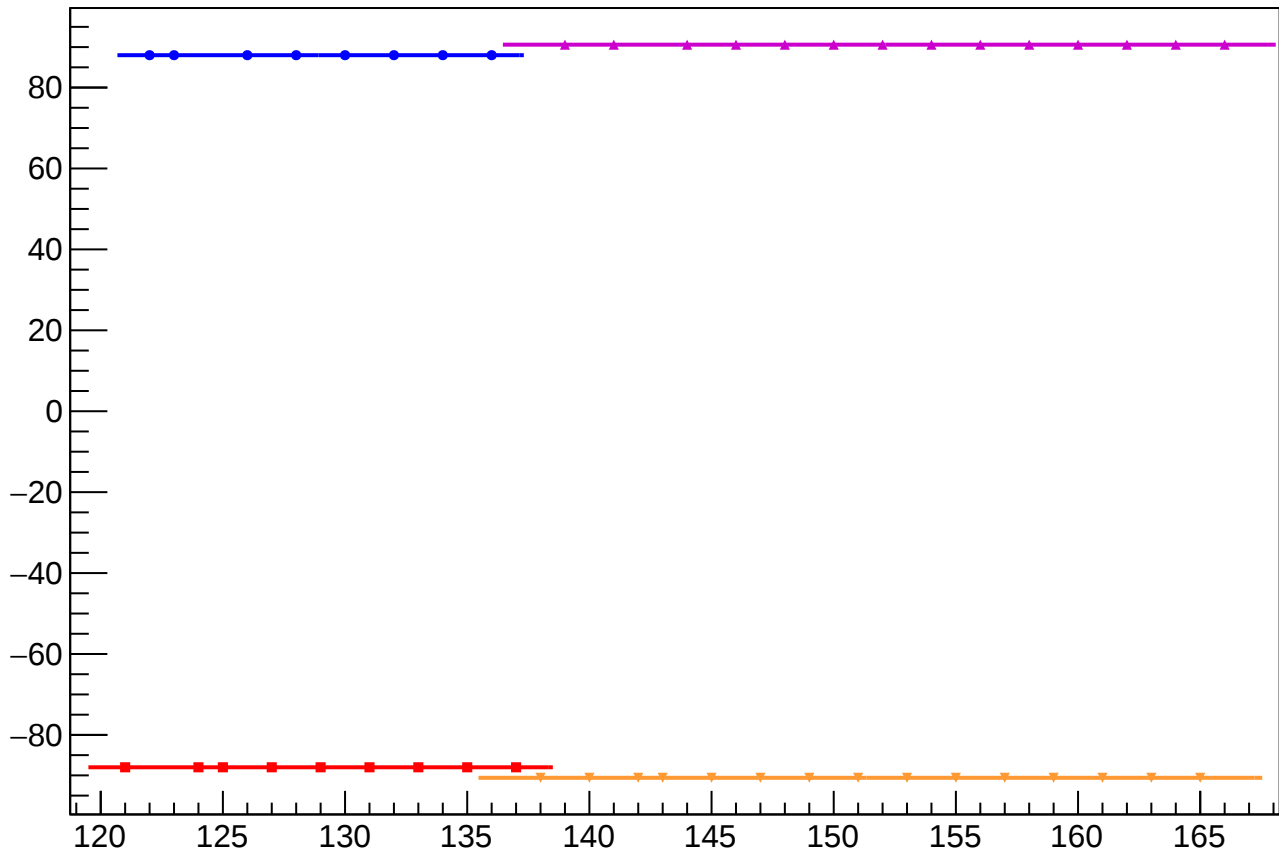


Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16
 Left Out: 0.128 ± 0.003 χ^2/NDF : 3780.1/14
 Right Out: 0.223 ± 0.004 χ^2/NDF : 1040.5/18
 Left In: 0.077 ± 0.002 χ^2/NDF : 2401.8/13

Left: 0.098 ± 0.002 χ^2/NDF : 6433.9/28
 Right: 0.215 ± 0.003 χ^2/NDF : 1700.9/35
 In: 0.101 ± 0.002 χ^2/NDF : 3783.7/30
 Out: 0.157 ± 0.002 χ^2/NDF : 5246.3/33

All: 0.126 ± 0.001 χ^2/NDF : 9421.1/64

VWienAngle_mean vs Slug, Sign Corrected



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 : 4942283.0/13

Left: -1.193 $\pm$ 0.000 χ^2/NDF : 18695110913194004

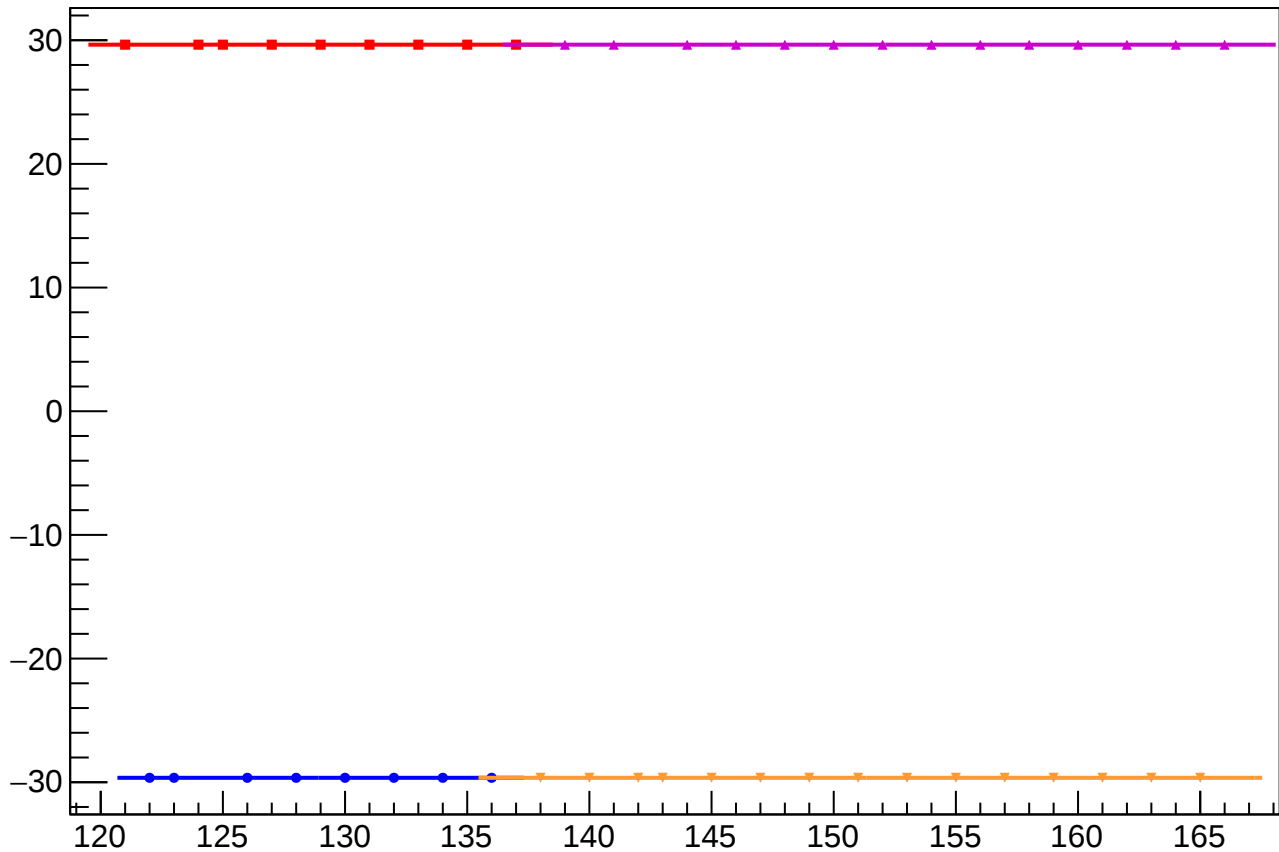
Right: 3.062 $\pm$ 0.000 χ^2/NDF : 51126681569224617

In: 89.993 $\pm$ 0.000 χ^2/NDF : 177066020237478486

Out: -90.037 $\pm$ 0.000 χ^2/NDF : 1687603914873164

All: -0.236 $\pm$ 0.000 χ^2/NDF : 2381705578885

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641 $\pm$ 0.000 χ^2 /NDF: 405045.4/7

Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 215213.9/14

Right Out: 29.641 $\pm$ 0.000 χ^2 /NDF: 29358.2/8

Left In: 29.641 $\pm$ 0.000 χ^2 /NDF: 172236.7/13

Left: -0.390 $\pm$ 0.000 χ^2 /NDF: 20010382708788587

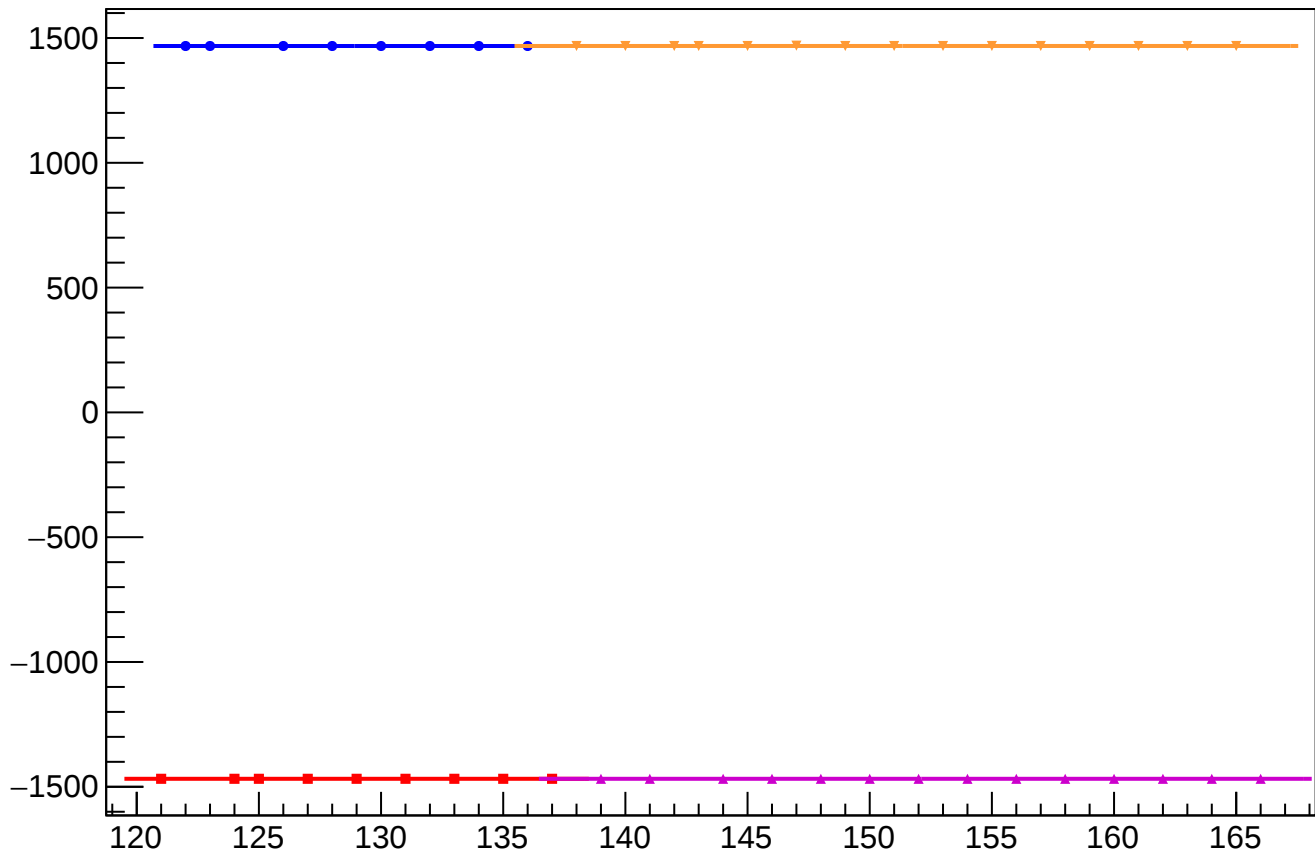
Right: -1.031 $\pm$ 0.000 χ^2 /NDF: 5800324943766944

In: 15.811 $\pm$ 0.000 χ^2 /NDF: 921500216296846635

Out: -16.802 $\pm$ 0.000 χ^2 /NDF: 8782754423990019

All: -0.535 $\pm$ 0.000 χ^2 /NDF: 2581281287373

psub_pl_pos_mean vs Slug, Sign Corrected



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 : 111283985742084336775271022592.0/13

Left: 19.378+/-0.000 χ^2/NDF : 49085274904316470

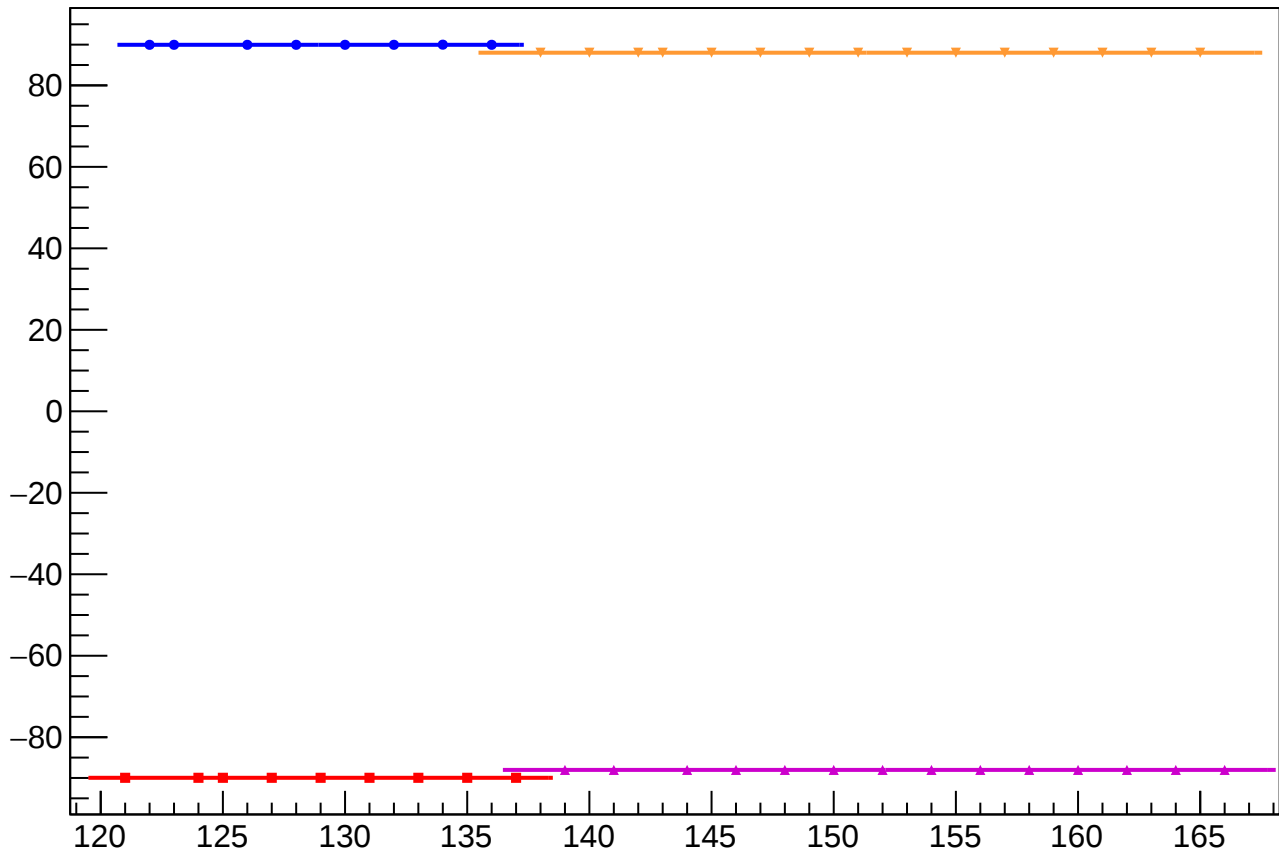
Right: 51.079+/-0.000 χ^2/NDF : 1422706063207371

In: -783.064+/-0.000 χ^2/NDF : 2260276412916210

Out: 832.233+/-0.000 χ^2/NDF : 2154385082987078

All: 26.508+/-0.000 χ^2/NDF : 6331748445732

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 4454577.6/14

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

Left In: -88.021+/-0.000 χ^2/NDF : 4522432.3/13

Left: 1.159+/-0.000 χ^2/NDF : 176460724732405123

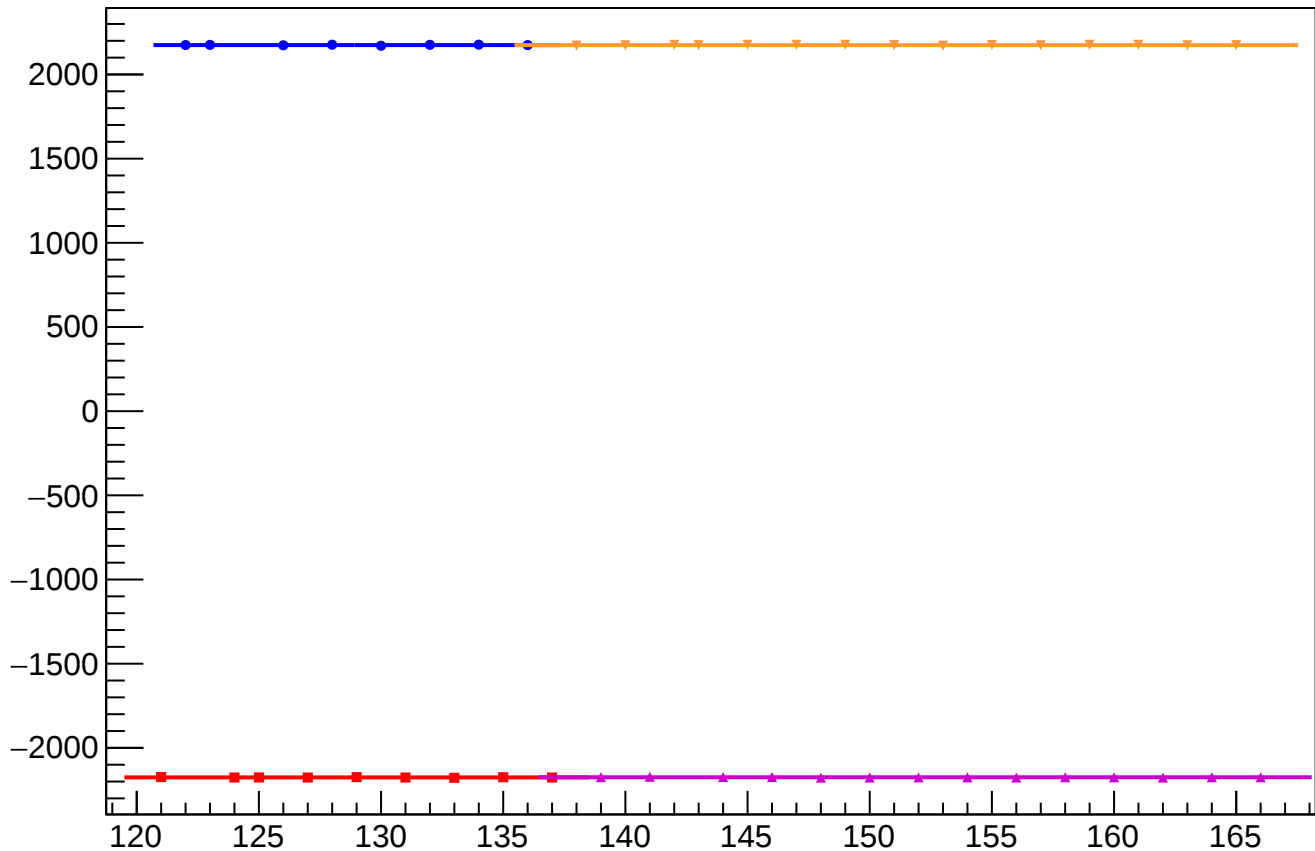
Right: 3.131+/-0.000 χ^2/NDF : 53429021948733419

In: -46.500+/-0.000 χ^2/NDF : 83063601329060318

Out: 49.476+/-0.000 χ^2/NDF : 79165534787035819

All: 1.603+/-0.000 χ^2/NDF : 22990967173790

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.572 $\pm$ 0.000

χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.372 $\pm$ 0.000

χ^2 /NDF: 3502460640600259703272380412461056.0/14

Right Out: -2175.442 $\pm$ 0.000

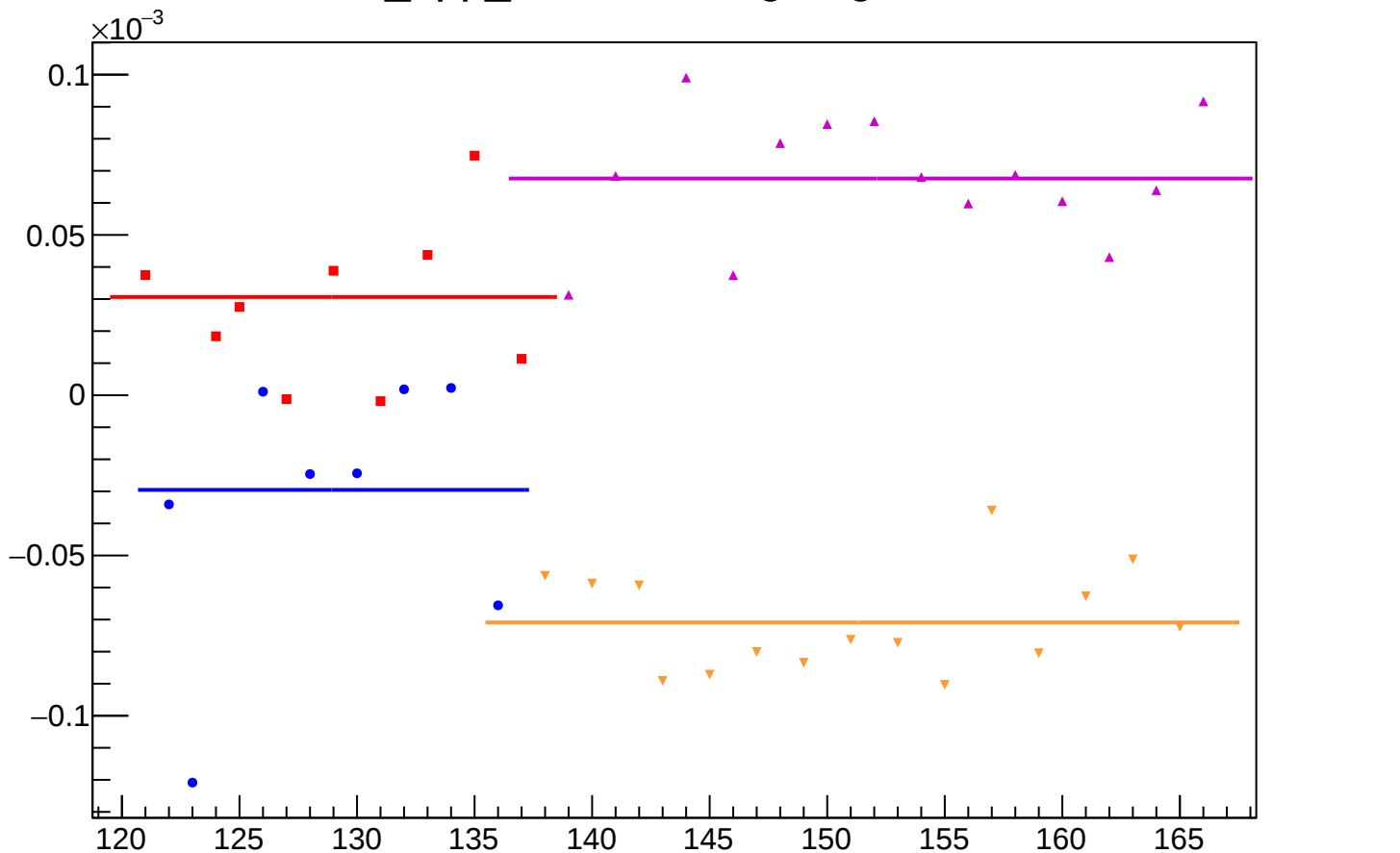
χ^2 /NDF: 610778445075790556034346524868608.0/8

Left In: -2174.572 $\pm$ 0.000

χ^2 /NDF: 2408987909442573848667115768250368.0/13

Left: 28.537 $\pm$ 0.000 χ^2 /NDF: 10769271265649622.0/10
 Right: 75.246 $\pm$ 0.000 χ^2 /NDF: 3123179758766980.0/10
 In: -1159.969 $\pm$ 0.000 χ^2 /NDF: 495982538483160.0/10
 Out: 1232.356 $\pm$ 0.000 χ^2 /NDF: 472863264588181.0/10
 All: 39.042 $\pm$ 0.000 χ^2 /NDF: 1389356882119.0/10

HALLA_dpp_mean vs Slug, Sign Corrected



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 : 413512722798975721144320.0/13

Left: -0.000+/-0.000

χ^2/NDF : 11612702134115122

Right: -0.000+/-0.000

χ^2/NDF : 1044577663810456

In: 0.000+/-0.000

χ^2/NDF : 3138139836542751246

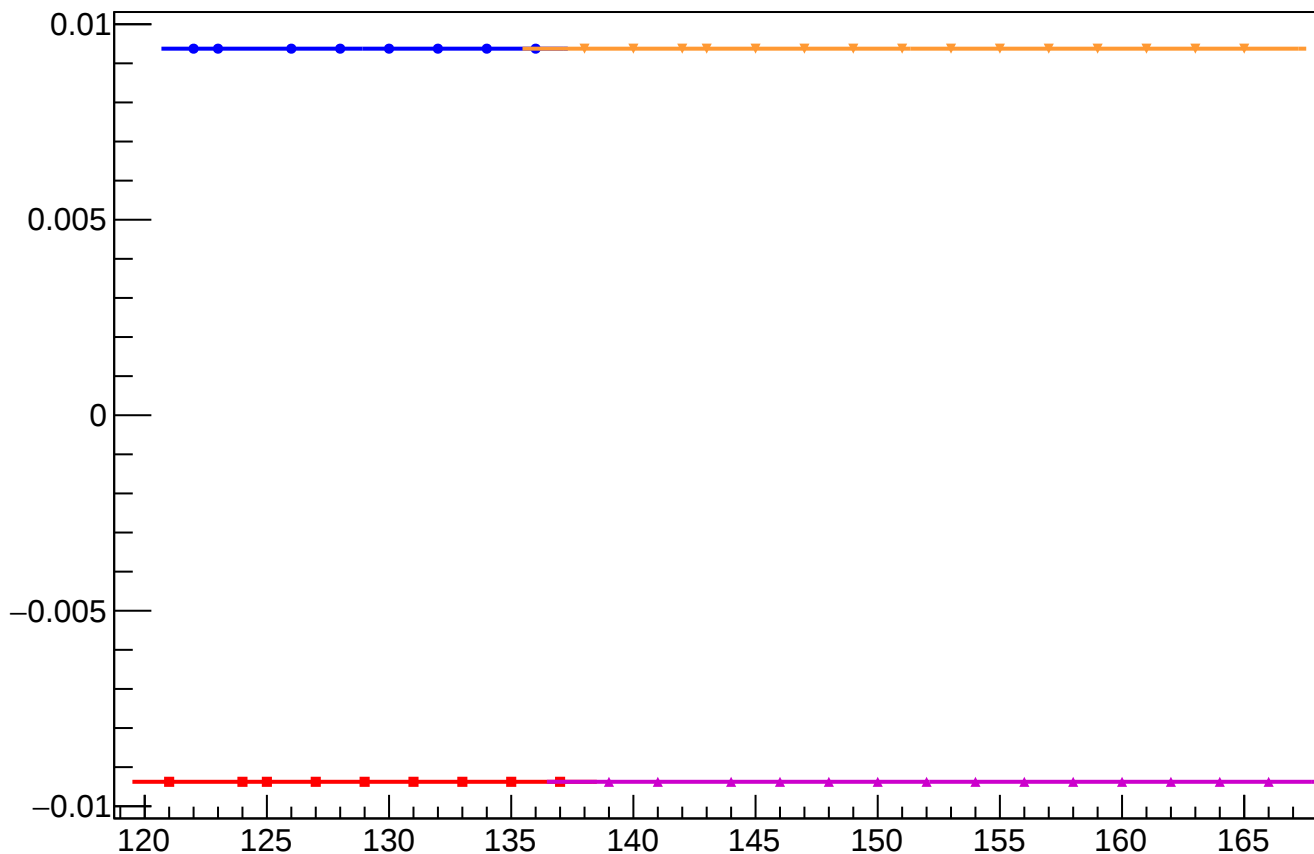
Out: -0.000+/-0.000

χ^2/NDF : 30500231820320128

All: -0.000+/-0.000

χ^2/NDF : 1265945376977

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.0/13

Left: 0.000+/-0.000 χ^2/NDF : 20018011962247535

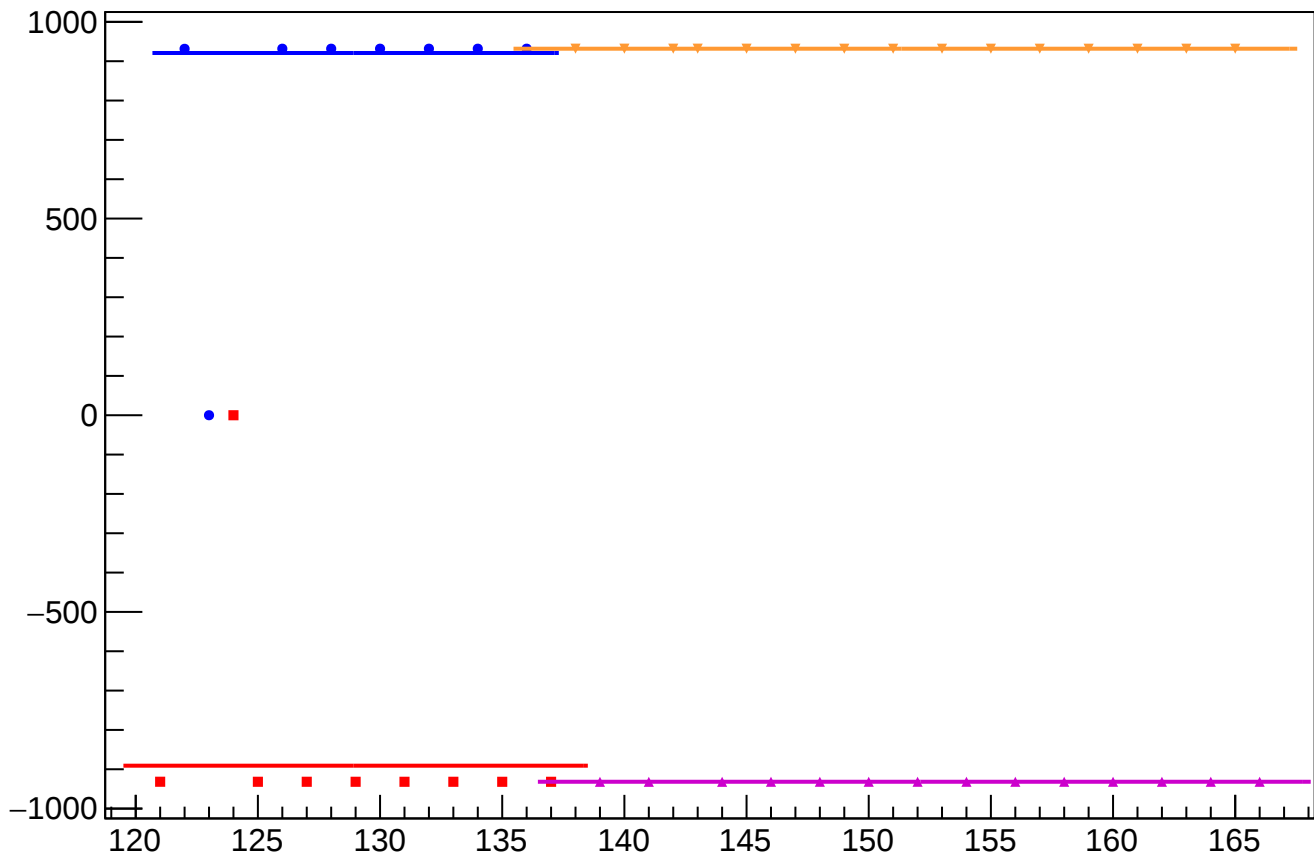
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 921851551841744028

Out: 0.005+/-0.000 χ^2/NDF : 878610297861505507

All: 0.000+/-0.000 χ^2/NDF : 25822654389247

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 920.898 +/- 0.000

χ²/NDF: 3432128841951899861299566212080992256.0/7

Left Out: 931.784 +/- 0.000

χ²/NDF: 3826219975019818457229919518720.0/14

Right Out: -890.923 +/- 0.000

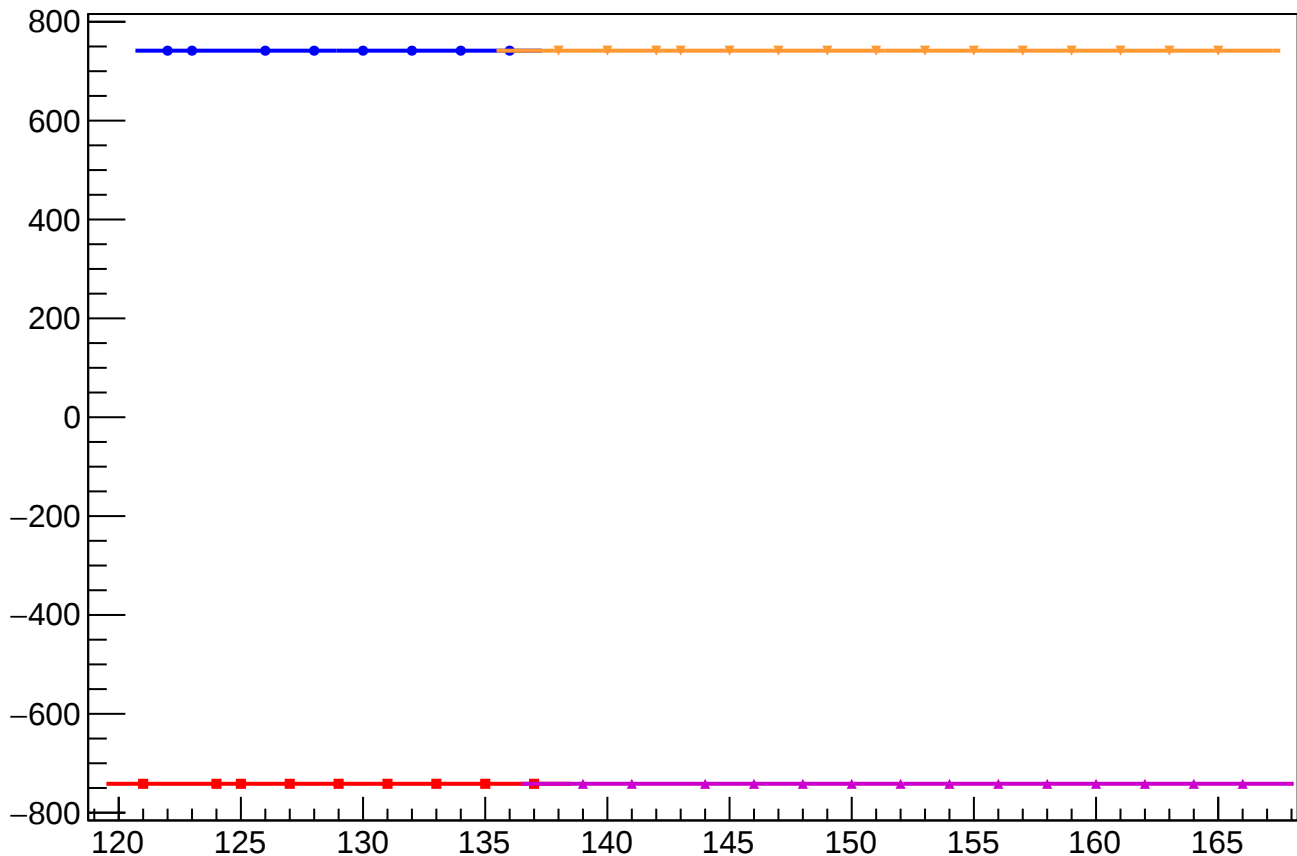
χ²/NDF: 11621671430114409722932854398744788992.0/8

Left In: -931.772 +/- 0.000

χ²/NDF: 3357244440596146657791202820096.0/13

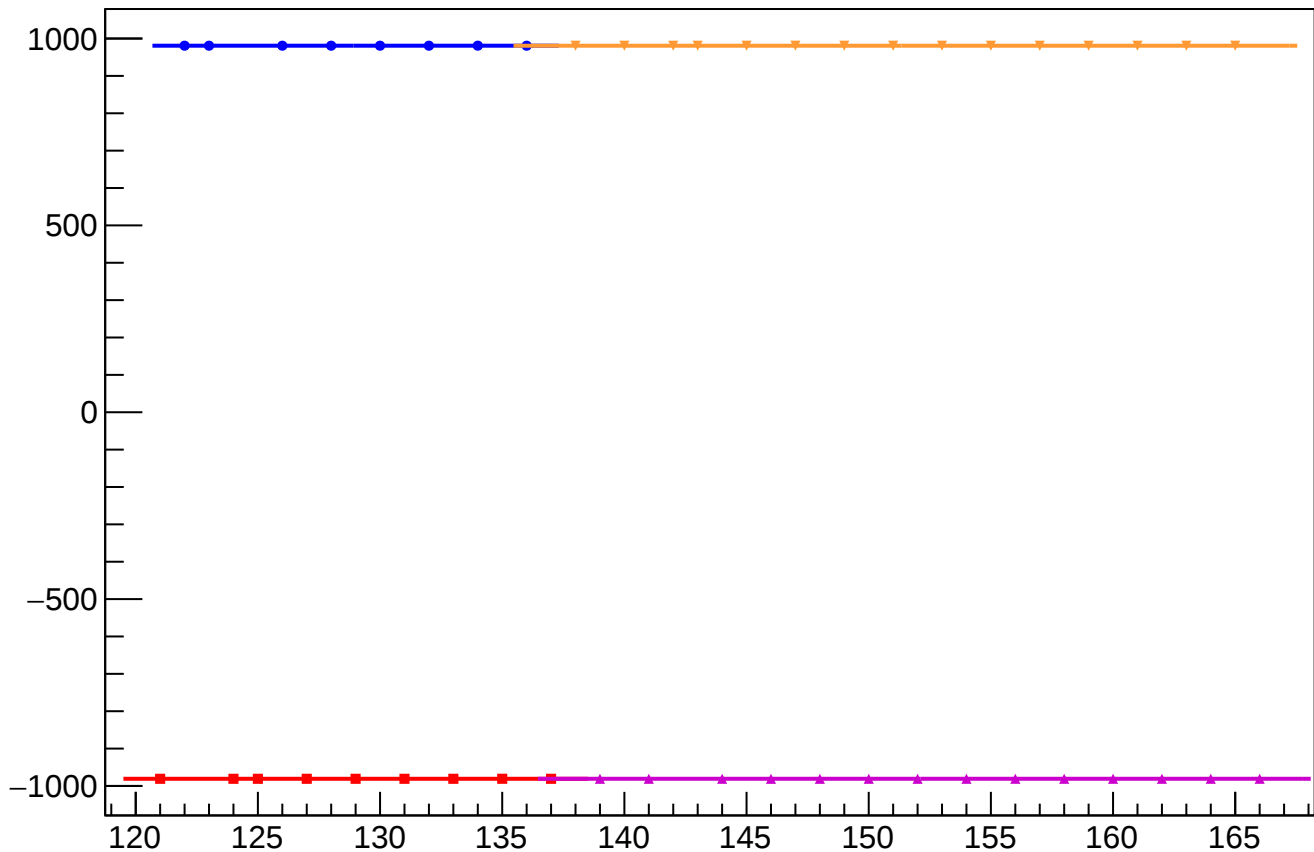
All: 19.976 +/- 0.000 χ²/NDF: 2534904030385

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



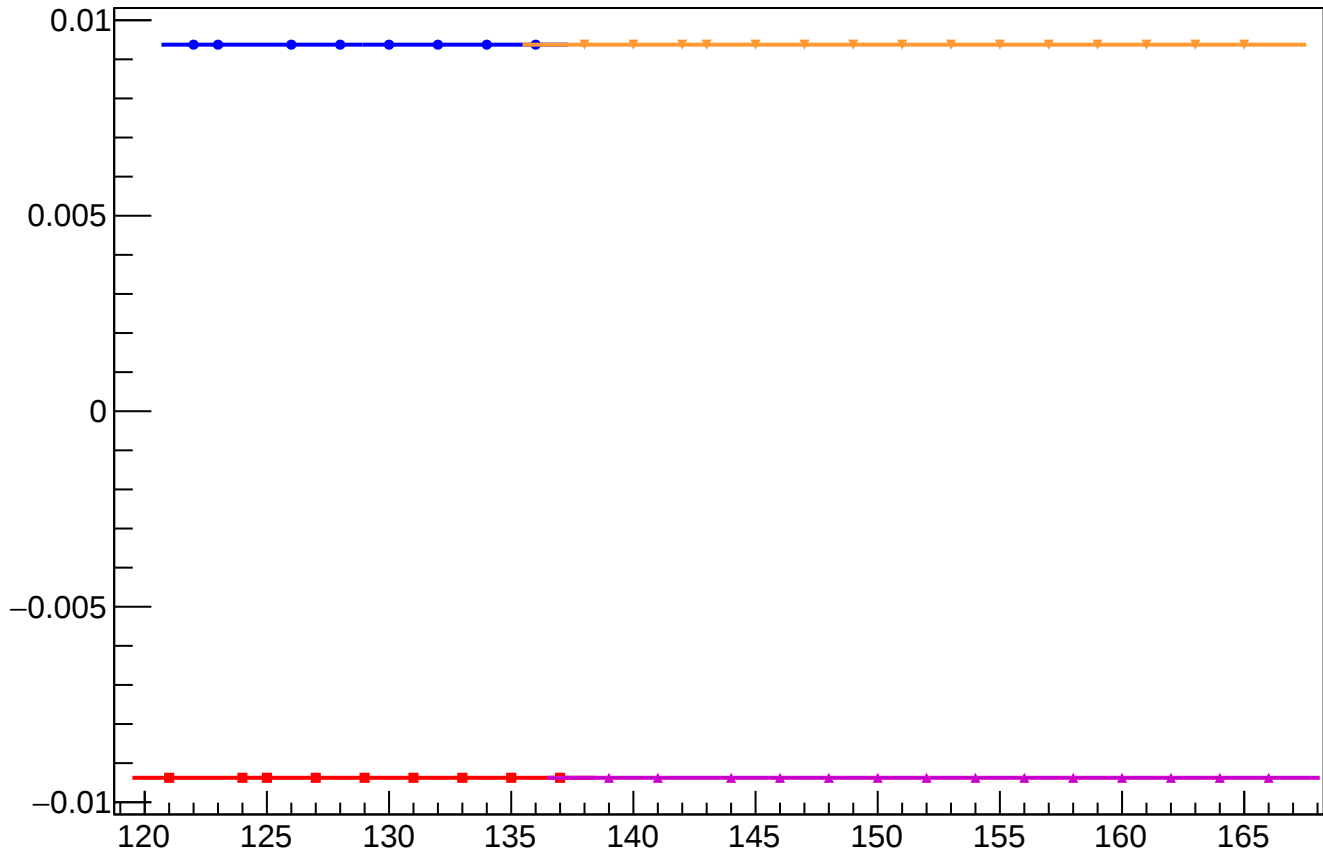
Right In: 741.528 $\pm$ 0.000 χ^2/NDF : 18896144326732419810052800512.0/7
 Left Out: 741.516 $\pm$ 0.000 χ^2/NDF : 133094399031645943234702606336.0/14
 Right Out: -741.529 $\pm$ 0.000 χ^2/NDF : 16580353917842624420385914880.0/8
 Left In: -741.515 $\pm$ 0.000 χ^2/NDF : 130218875183961132568250679296.0/13
 All: 13.372 $\pm$ 0.000 χ^2/NDF : 1615482731149

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



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: -980.781+/-0.000 χ^2/NDF : 1193336000100941127090083725312.0/13
 All: 17.684+/-0.000 χ^2/NDF : 2826227375465

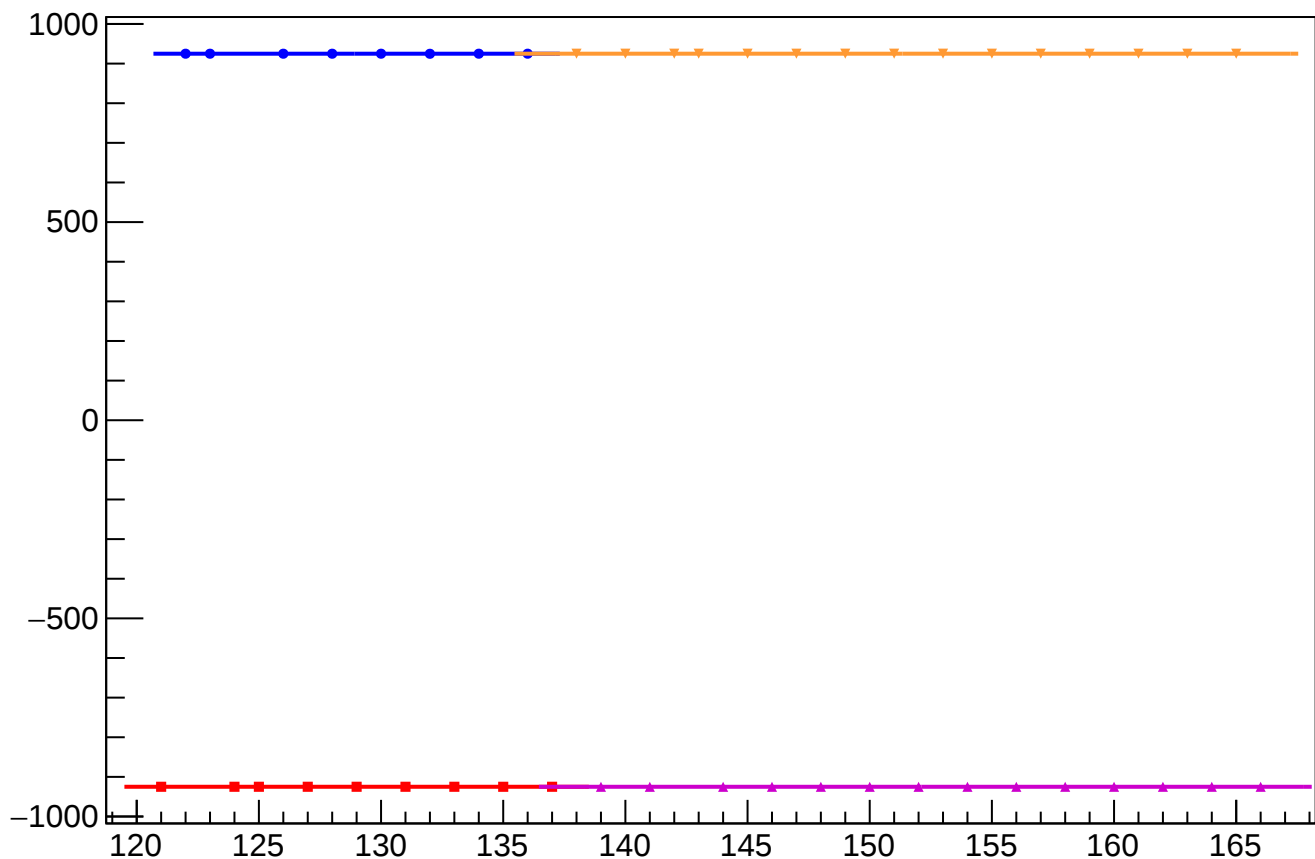
MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7
Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/14
Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/13

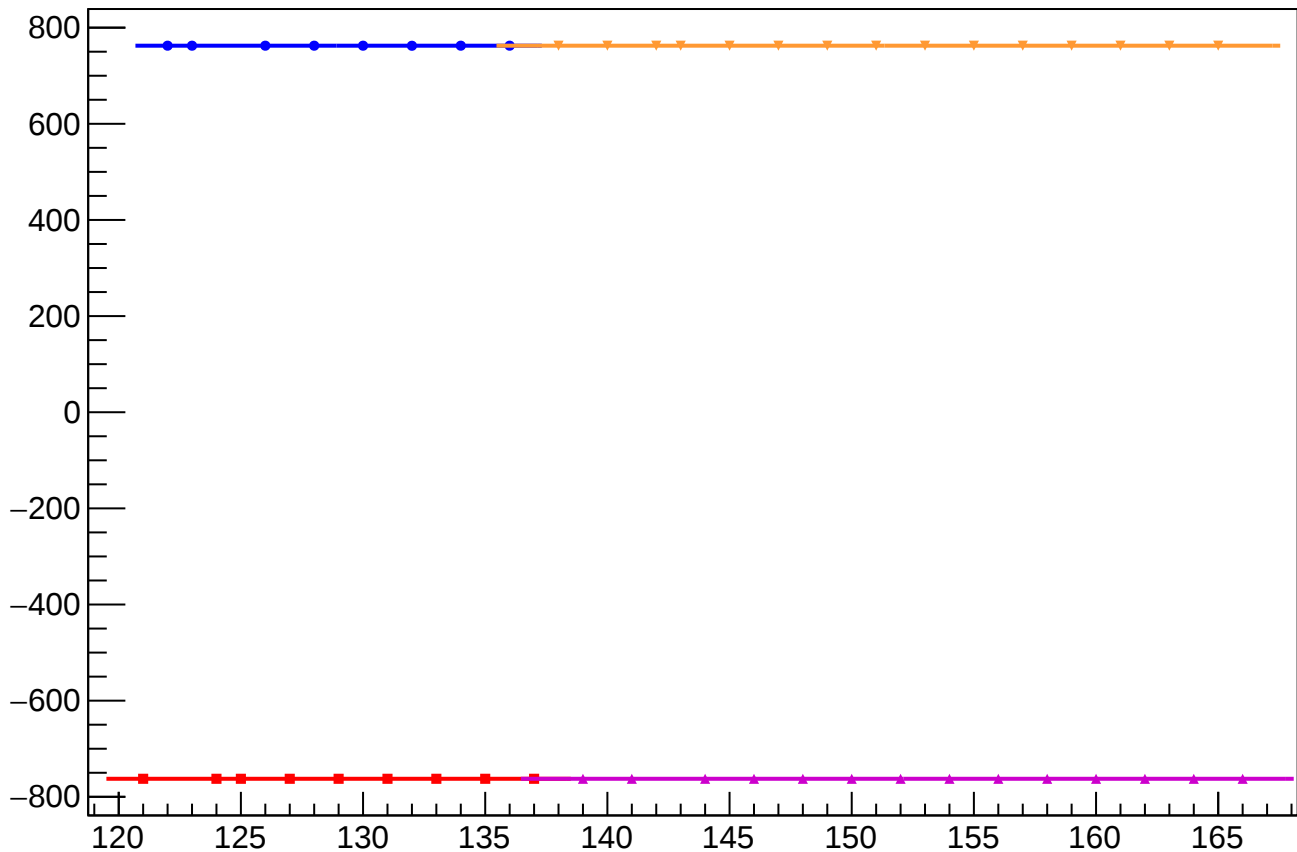
Left: 0.000+/-0.000 χ^2/NDF : 20018011962247535
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994
In: -0.005+/-0.000 χ^2/NDF : 921851551841744028
Out: 0.005+/-0.000 χ^2/NDF : 878610297861505507
All: 0.000+/-0.000 χ^2/NDF : 25822654389247

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



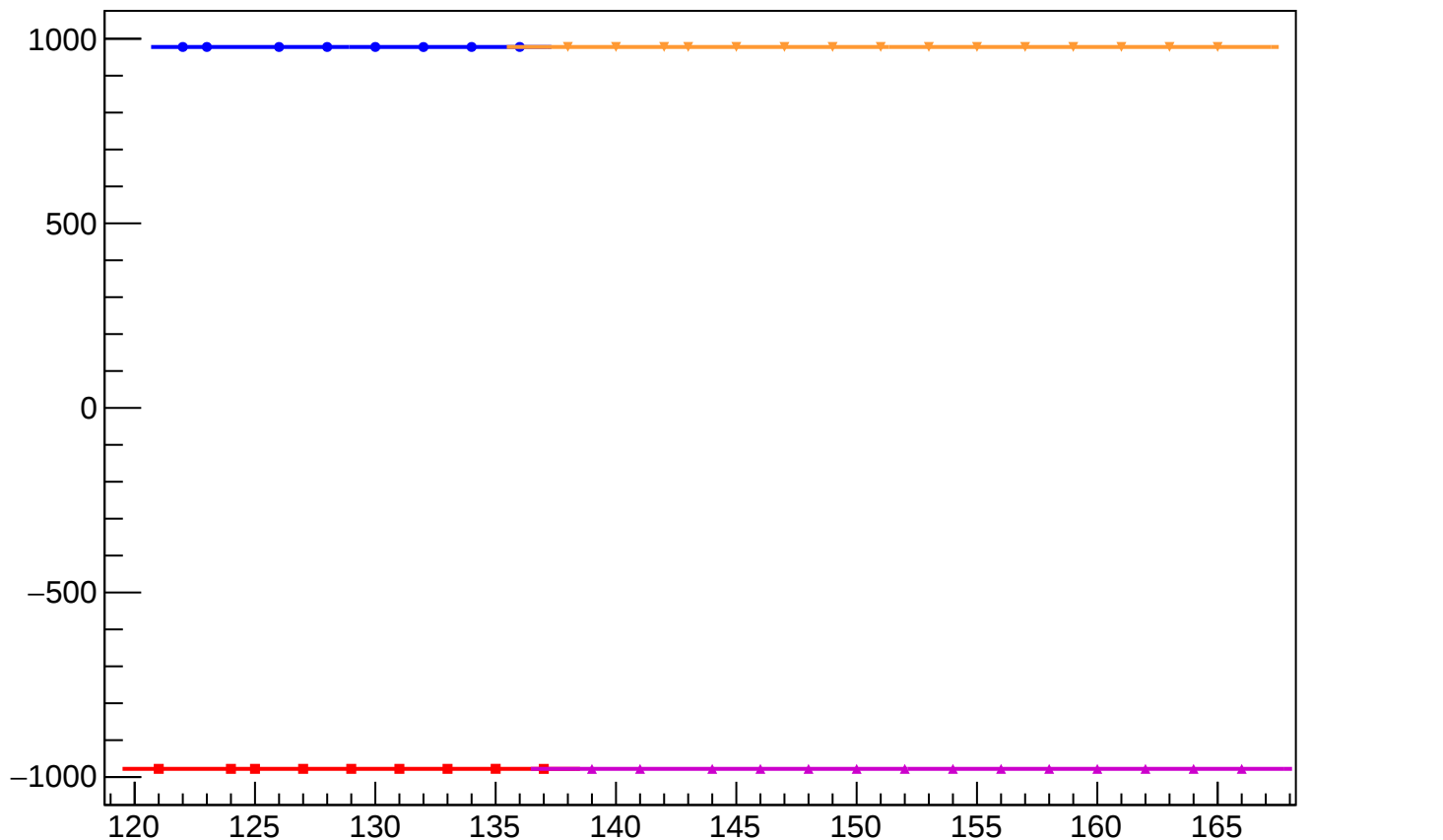
Right In: 924.939+/-0.000	χ^2/NDF : 1401458495809517406218388242432.0/7	Left: 12.181+/-0.000	χ^2/NDF : 1948724316463724
Left Out: 924.987+/-0.000	χ^2/NDF : 765533985745865764349704929280.0/14	Right: 32.175+/-0.000	χ^2/NDF : 5648201825061875
Right Out: -924.957+/-0.000	χ^2/NDF : 71808709366506786060310151168.0/8	In: -493.423+/-0.000	χ^2/NDF : 8973630846269603
Left In: -924.989+/-0.000	χ^2/NDF : 633840651222450262886919962624.0/13	Out: 524.354+/-0.000	χ^2/NDF : 8552850363286220
		All: 16.678+/-0.000	χ^2/NDF : 2513749328147

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



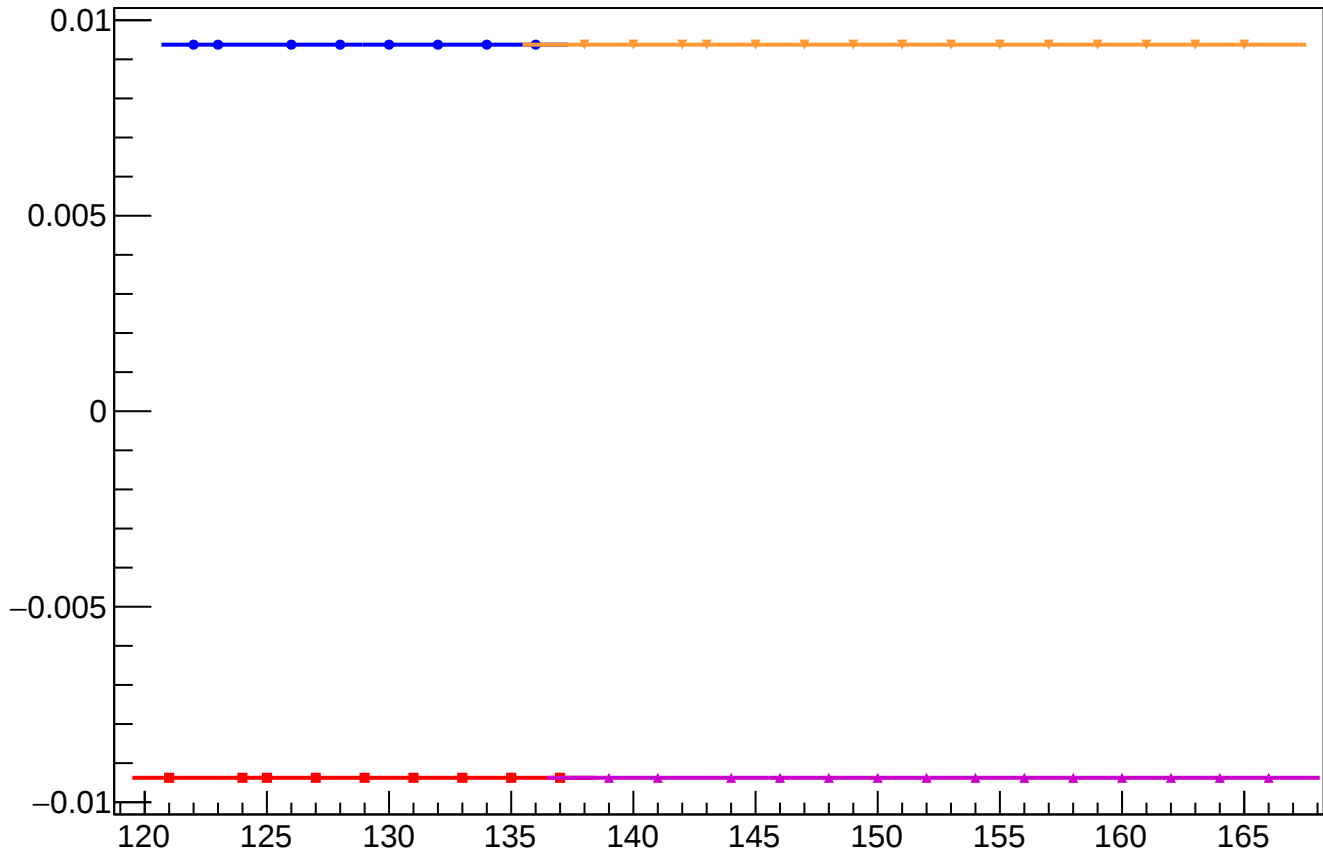
Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7
 Left Out: 762.507+/-0.000 χ^2/NDF : 299730013955114234869438218240.0/14
 Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8
 Left In: -762.508+/-0.000 χ^2/NDF : 271193411686777871805072801792.0/13
 All: 13.748+/-0.000 χ^2/NDF : 1708215046943

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



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: -977.739+/-0.000 χ^2/NDF : 877741285834028526786351988736.0/13
 All: 17.634+/-0.000 χ^2/NDF : 2808702113354

hesDipole_current_mean vs Slug, Sign Corrected



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:0.0/13

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 20018011962247535

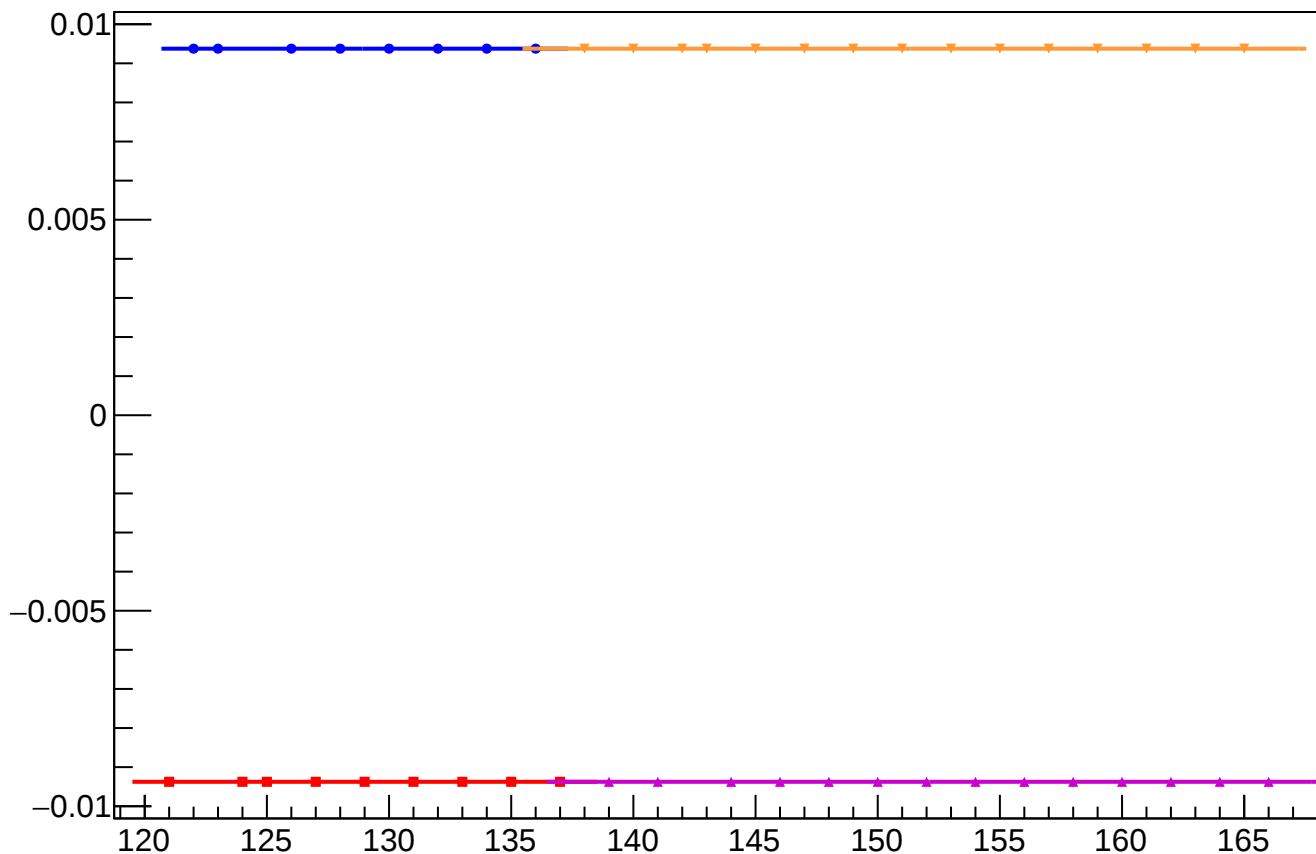
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.005 $\pm$ 0.000 χ^2 /NDF:921851551841744028

Out: 0.005 $\pm$ 0.000 χ^2 /NDF:878610297861505507

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 25822654389247

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/14

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.0/13

Left: 0.000+/-0.000 χ^2/NDF : 20018011962247535

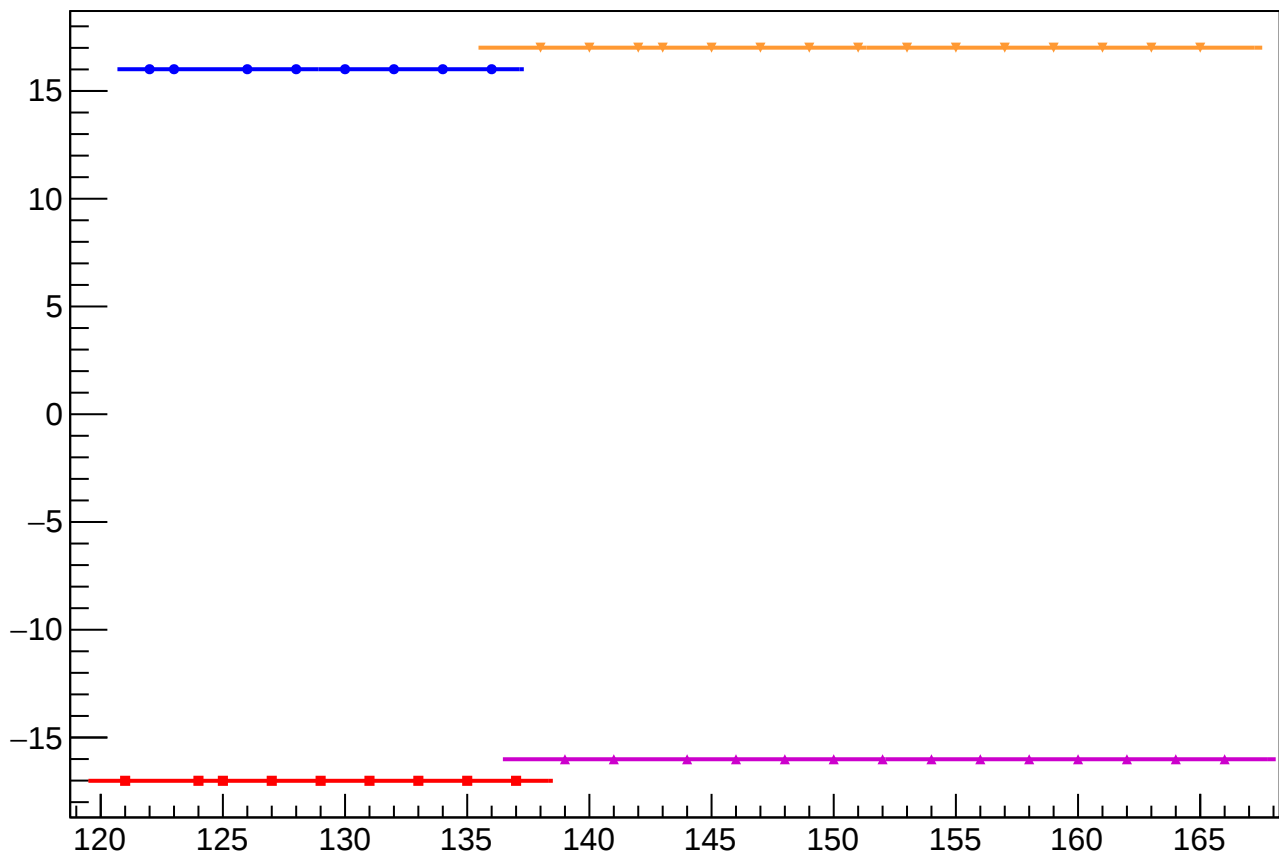
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 921851551841744028

Out: 0.005+/-0.000 χ^2/NDF : 878610297861505507

All: 0.000+/-0.000 χ^2/NDF : 25822654389247

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 17853581418386257445126144.0/14

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009+/-0.000 χ^2/NDF : 52847.4/13

Left: 0.524+/-0.000 χ^2/NDF : 572096095198120603

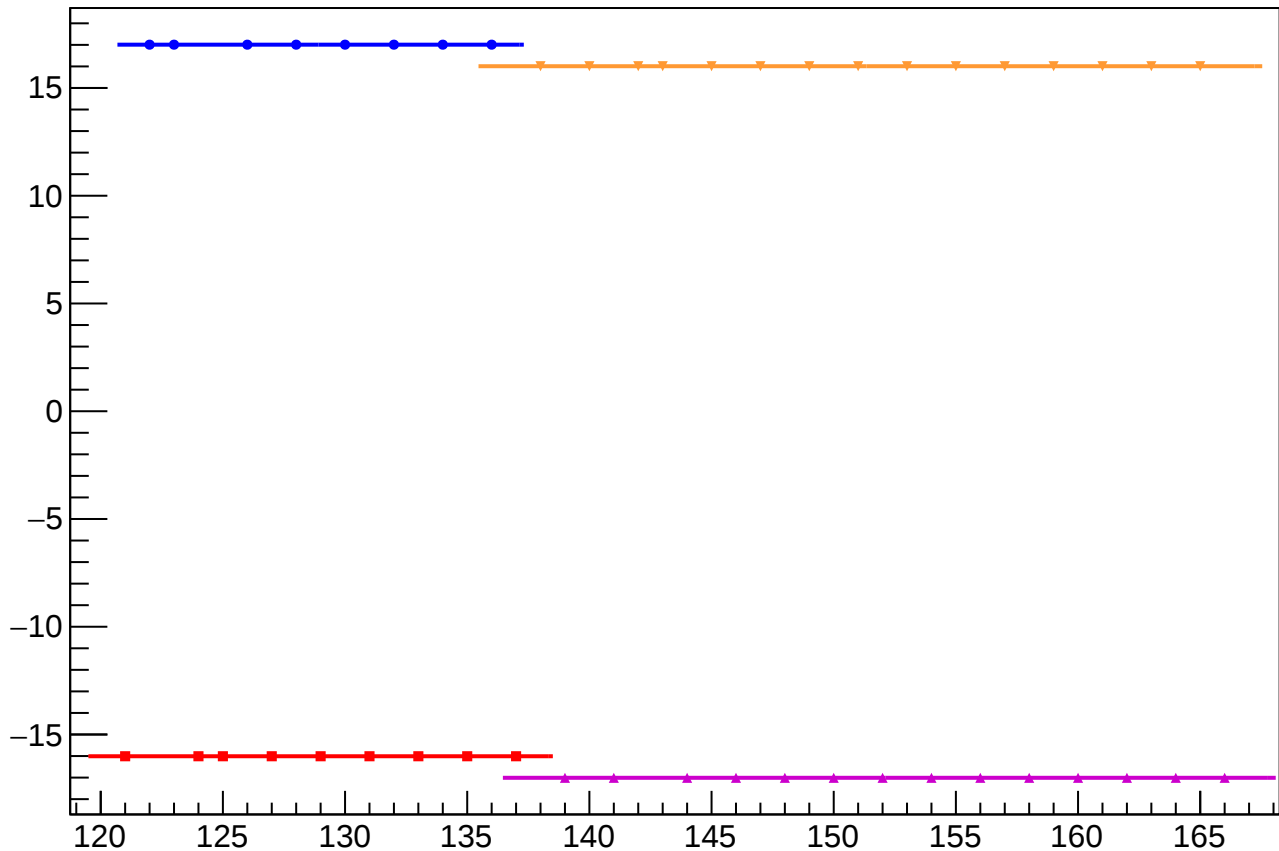
Right: -0.126+/-0.000 χ^2/NDF : 1683539334964133

In: -8.592+/-0.000 χ^2/NDF : 248910227291972535

Out: 9.416+/-0.000 χ^2/NDF : 271482232002380283

All: 0.376+/-0.000 χ^2/NDF : 74065140770260

IGL1I00OD16_16_mean vs Slug, Sign Corrected



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 : 35391.5/13

Left: -0.192+/-0.000 χ^2/NDF : 61304510488500010

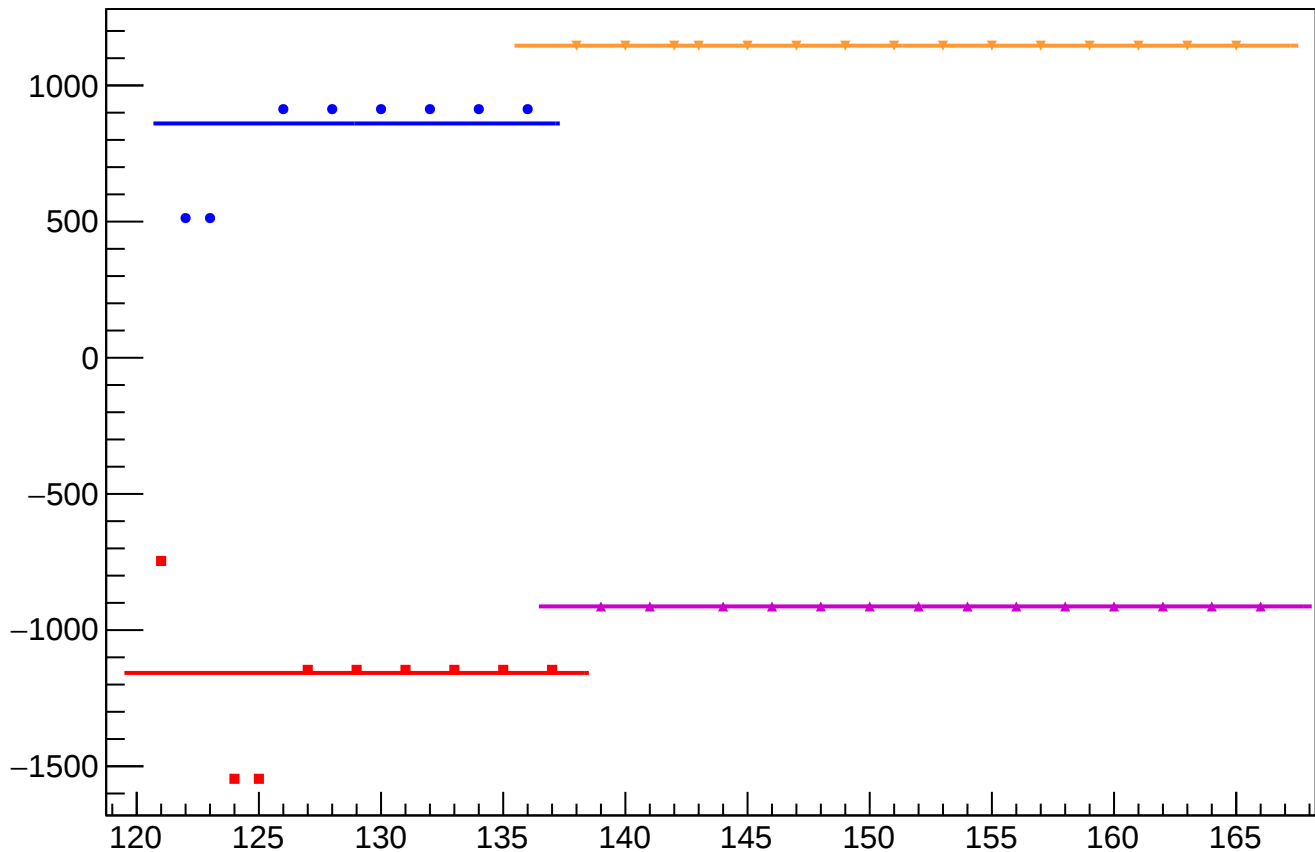
Right: 1.074+/-0.000 χ^2/NDF : 17994367493156690

In: -8.963+/-0.000 χ^2/NDF : 302178520012966427

Out: 9.037+/-0.000 χ^2/NDF : 255827026158436845

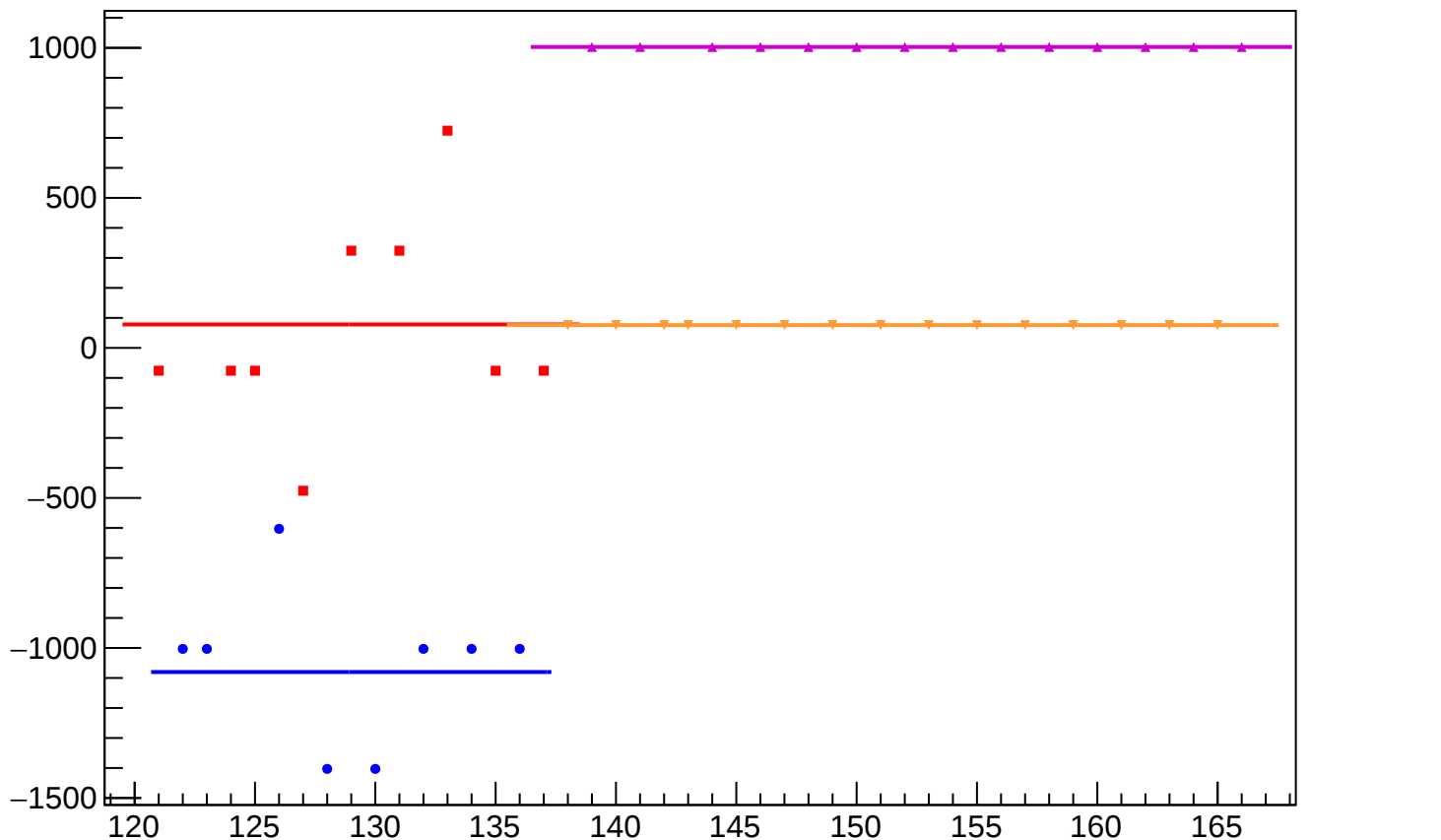
All: 0.096+/-0.000 χ^2/NDF : 79380800287937

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 860.361 $\pm$ 0.000 χ^2 /NDF: 6252693455178703850651720460594577408.0/7
 Left Out: 1146.011 $\pm$ 0.000 χ^2 /NDF: 3918047324799022754477113344.0/14
 Right Out: -1157.295 $\pm$ 0.000 χ^2 /NDF: 13880040120623316310083946144856014848.0/8
 Left In: -912.994 $\pm$ 0.000 χ^2 /NDF: 18026753087333076722211880960.0/13
 All: 75.317 $\pm$ 0.000 χ^2 /NDF: 3136379295963

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182 ± 0.000 $\chi^2/\text{NDF}: 21641787691490496475350584298794123264.0/7$
 Left Out: 76.011 ± 0.000 $\chi^2/\text{NDF}: 9014254262183120005899485184.0/14$
 Right Out: 78.224 ± 0.000 $\chi^2/\text{NDF}: 39611265375063350144036471826150326272.0/8$
 Left In: 1002.990 ± 0.000 $\chi^2/\text{NDF}: 1826673319341216381683105792.0/13$
 All: 296.226 ± 0.000 $\chi^2/\text{NDF}: 134174946299$