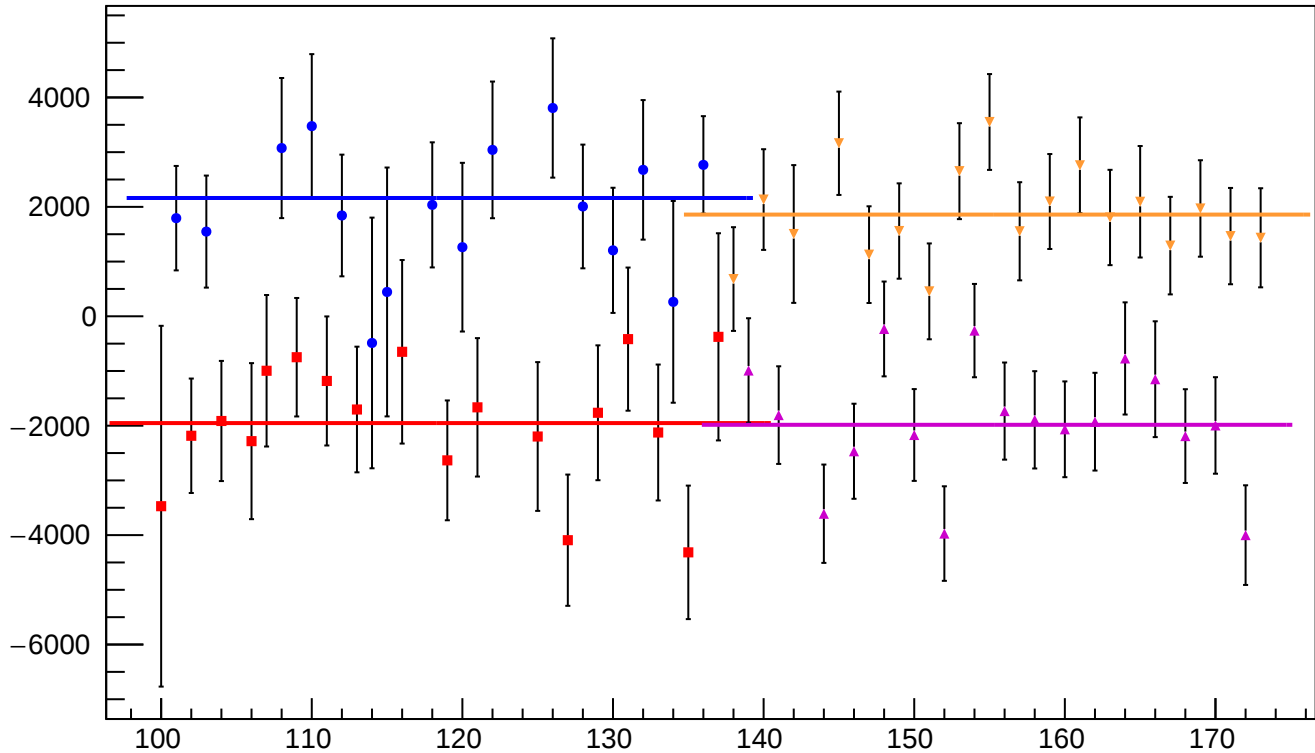


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1859.030+/-214.381

χ^2/NDF : 13.7/17

Right Out: -1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: -1983.748+/-217.365

χ^2/NDF : 25.3/16

+ sign 1958.307+/-175.826

χ^2/NDF : 23.3/33

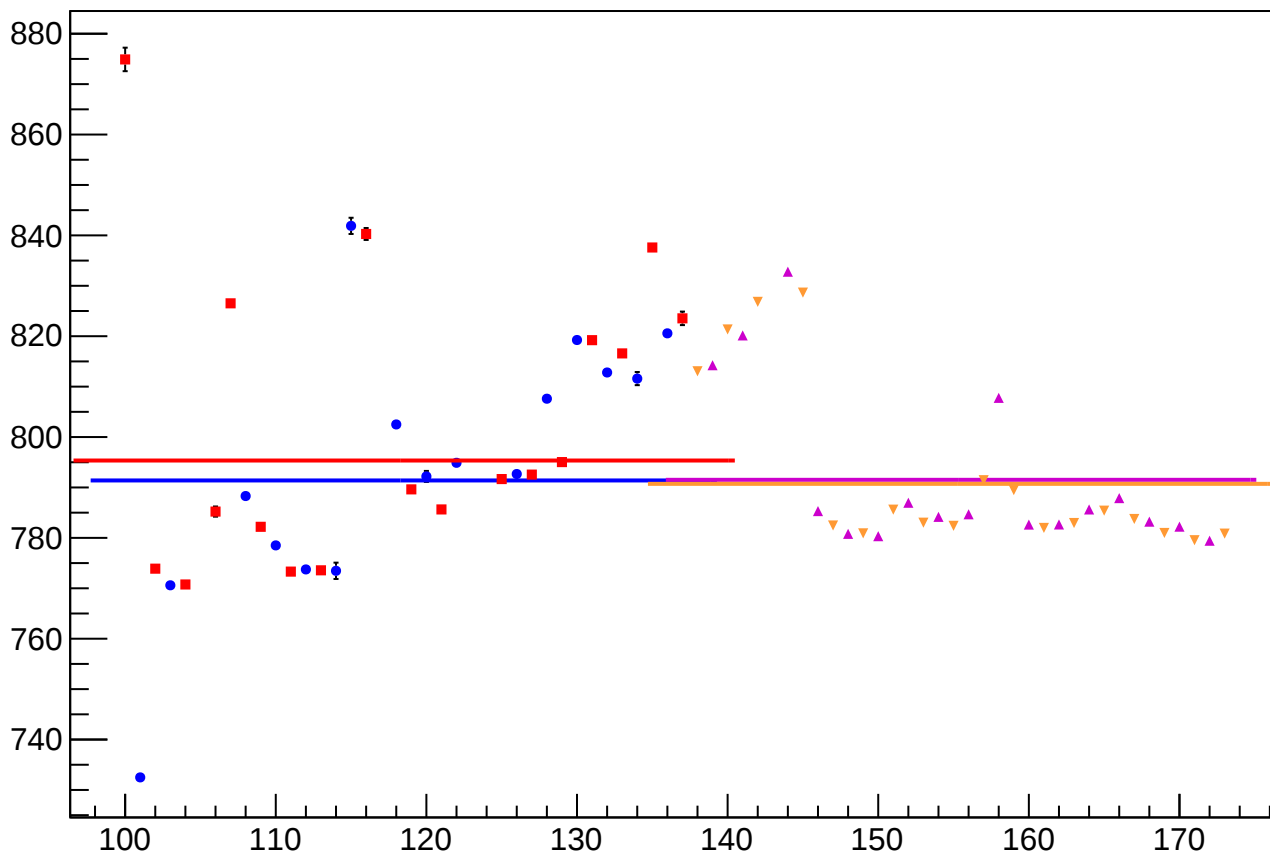
All: -3.832+/-124.437

χ^2/NDF : 310.7/68

- sign -1972.897+/-176.136

χ^2/NDF : 37.9/34

reg_asym_us_avg_rms vs Slug



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

Left Out: 790.716 $\pm$ 0.152 χ^2 /NDF:10370.2/17

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

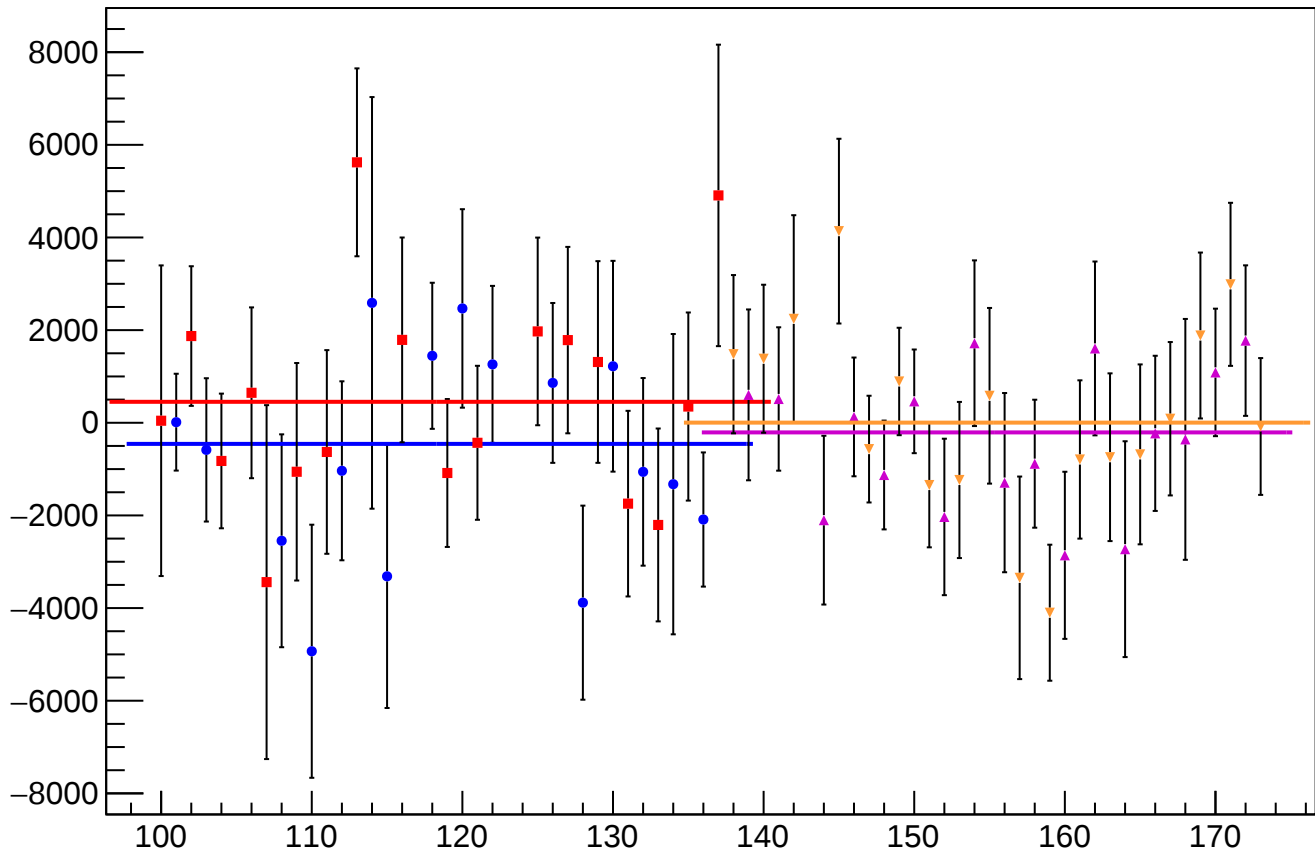
Left In: 791.515 $\pm$ 0.154 χ^2 /NDF:10416.0/16

+ sign 790.936 $\pm$ 0.124 χ^2 /NDF: 25384.9/33

All: 791.882 $\pm$ 0.088 χ^2 /NDF: 47689.7/68

- sign 792.830 $\pm$ 0.125 χ^2 /NDF: 22189.0/34

asym_us_avg_correction_mean vs Slug



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

Left Out: 3.375 ± 380.418 χ^2/NDF : 23.9/17

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

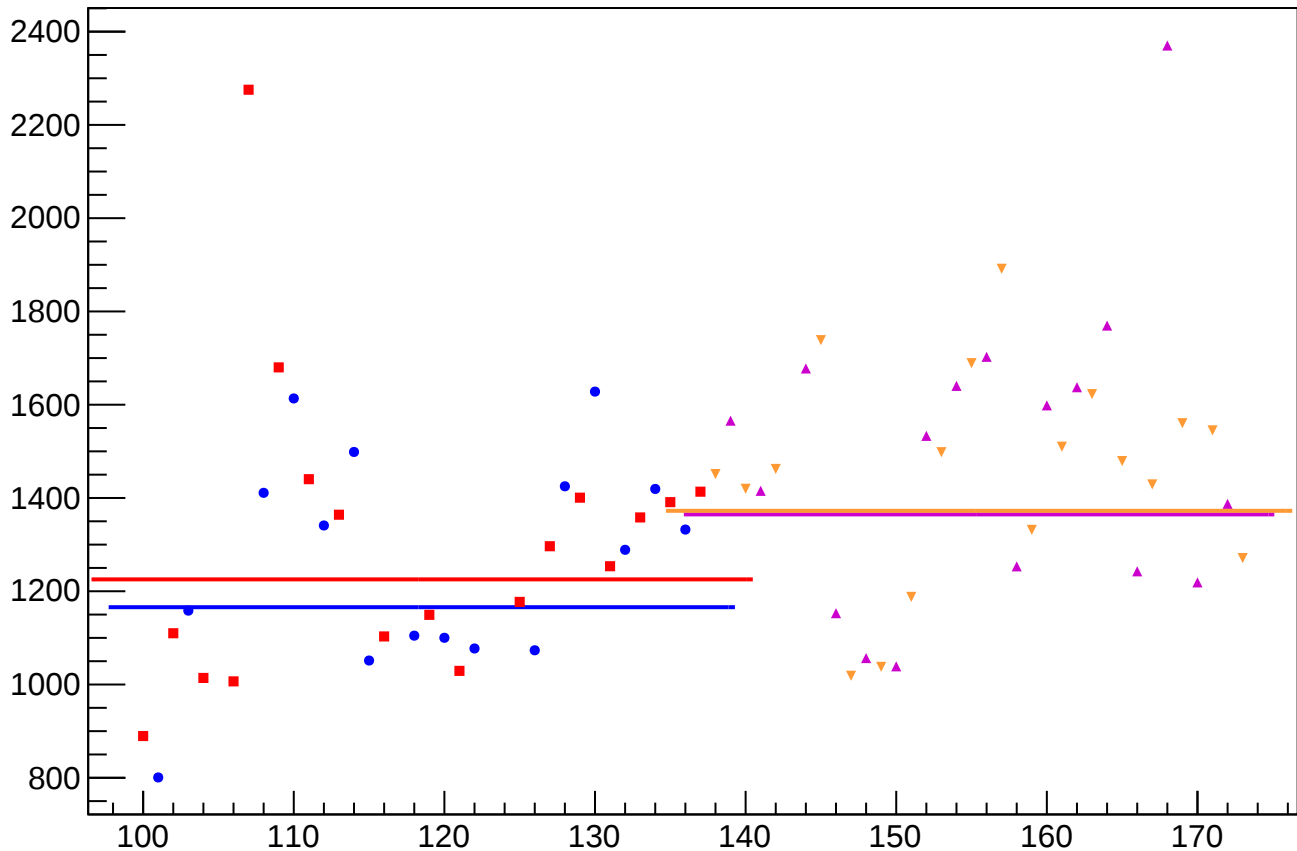
Left In: -207.869 ± 383.857 χ^2/NDF : 12.1/16

+ sign -181.043 ± 294.244 χ^2/NDF : 39.4/33

All: -64.731 ± 209.376 χ^2/NDF : 70.2/68

- sign 54.567 ± 297.997 χ^2/NDF : 30.6/34

asym_us_avg_correction_rms vs Slug



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

Left Out: 1372.509 $\pm$ 0.269 χ^2 /NDF: 760598.8/17

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

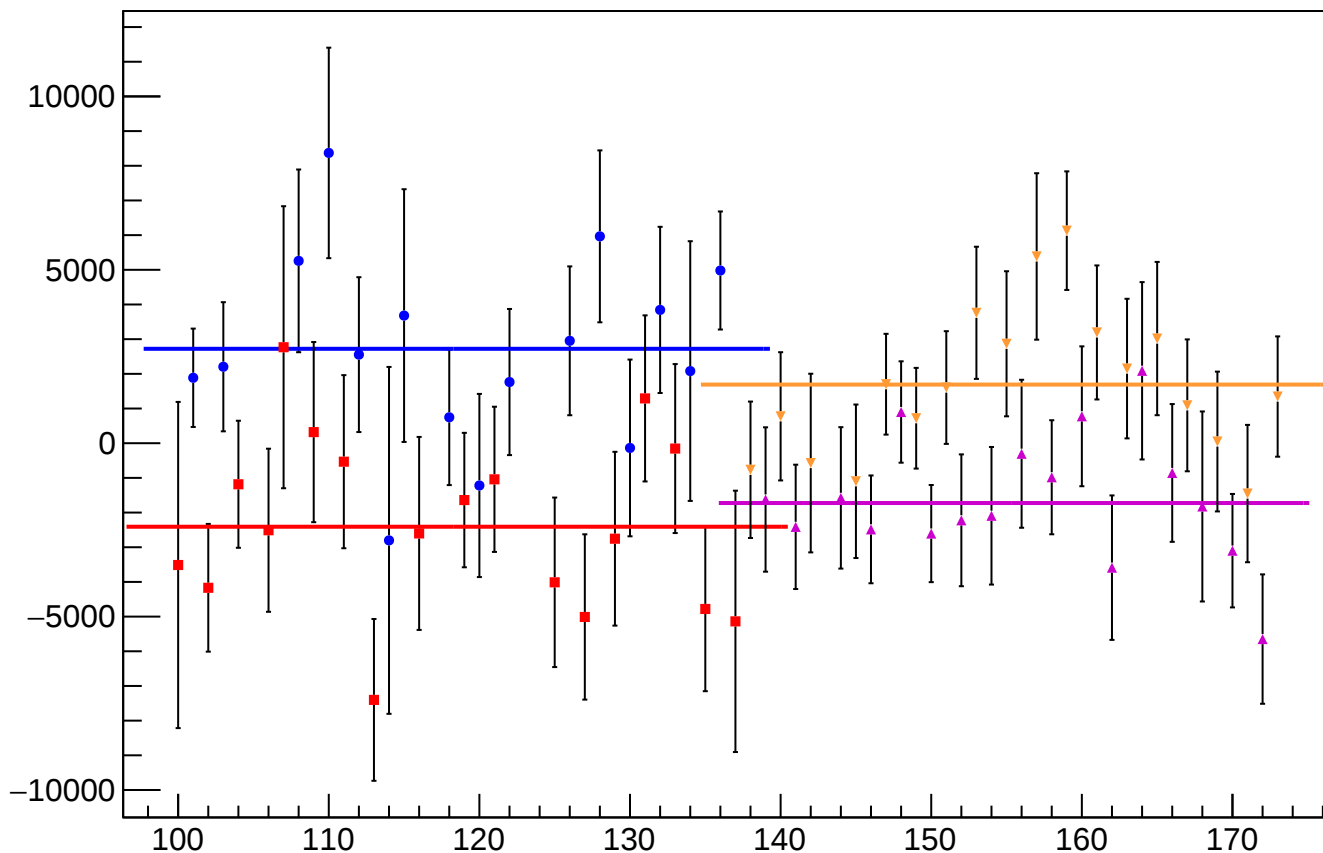
Left In: 1364.800 $\pm$ 0.271 χ^2 /NDF: 1056879.9/16

+ sign 1289.471 $\pm$ 0.208 χ^2 /NDF: 1524603.2/33

All: 1299.325 $\pm$ 0.148 χ^2 /NDF: 3131174.5/68

- sign 1309.432 $\pm$ 0.211 χ^2 /NDF: 1602027.3/34

asym_us_avg_mean vs Slug



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

Left Out: 1690.610+/-443.611 χ^2/NDF : 19.6/17

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

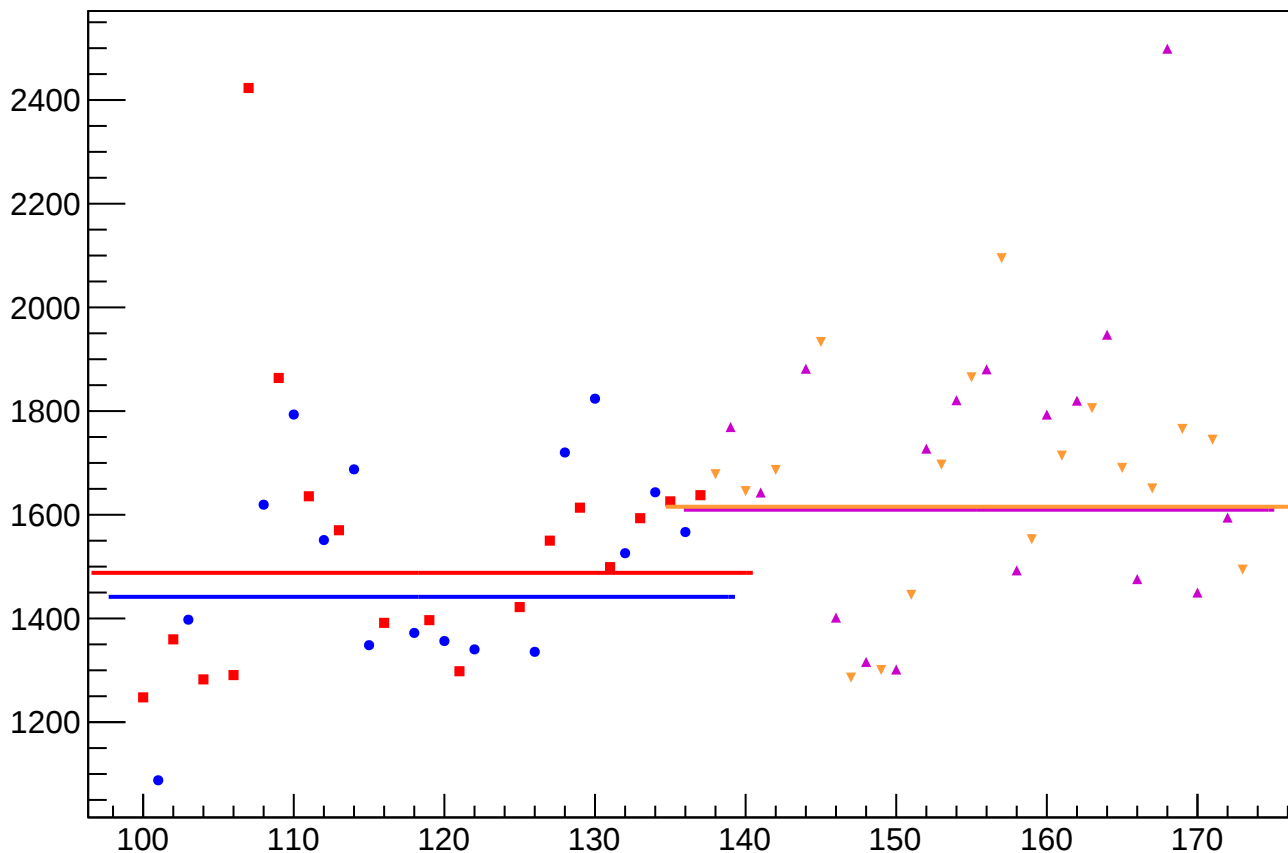
Left In: -1724.820+/-448.487 χ^2/NDF : 14.6/16

+ sign 2082.214+/-349.420 χ^2/NDF : 36.2/33

All: 63.958+/-248.062 χ^2/NDF : 135.2/68

- sign -1986.796+/-352.222 χ^2/NDF : 31.8/34

asym_us_avg_rms vs Slug



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

Left Out: 1615.481+/-0.314 χ^2 /NDF: 434194.9/17

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

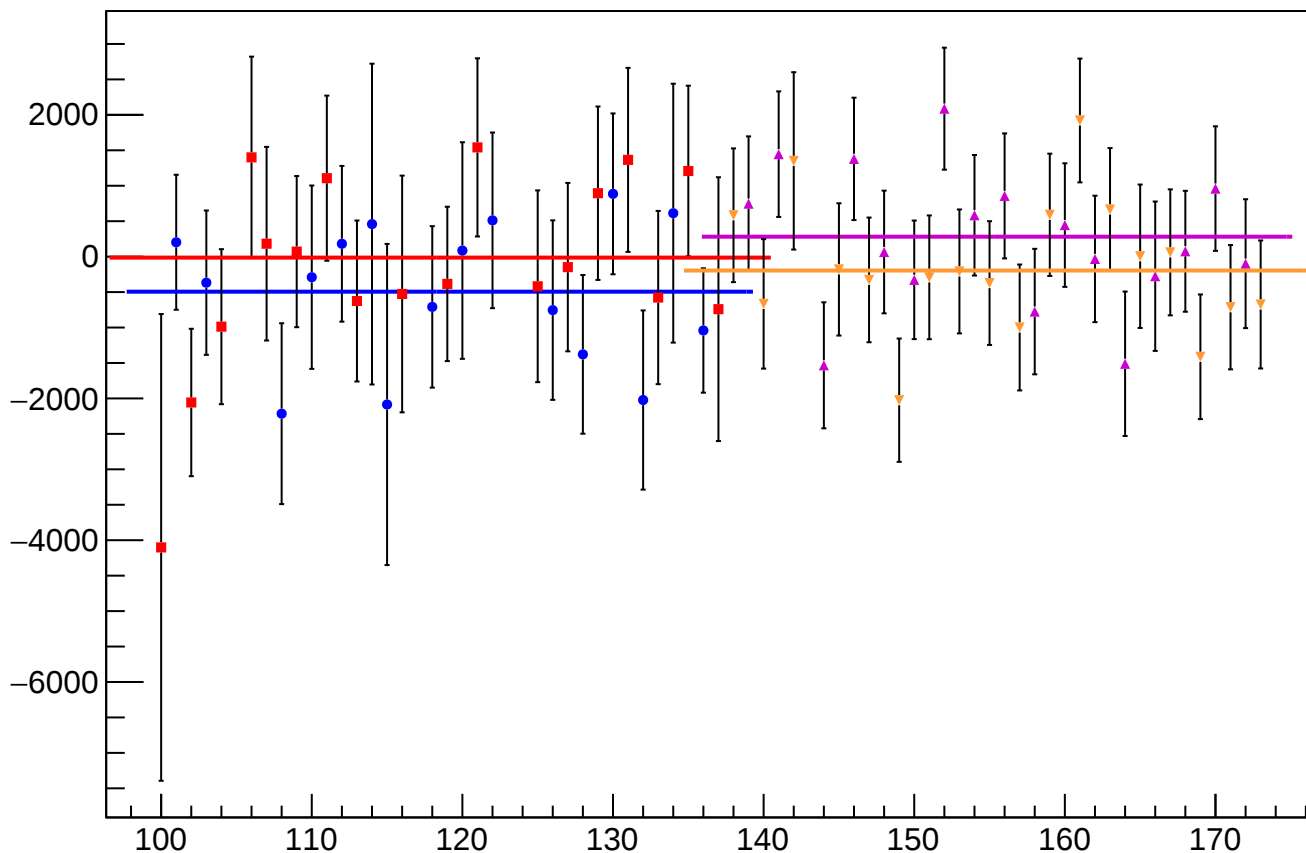
Left In: 1609.789+/-0.317 χ^2 /NDF: 644885.6/16

+ sign 1549.526+/-0.247 χ^2 /NDF: 826570.1/33

All: 1556.273+/-0.175 χ^2 /NDF: 1785594.2/68

- sign 1563.127+/-0.249 χ^2 /NDF: 957521.0/34

reg_asym_us_dd_mean vs Slug



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

Left Out: -195.830 ± 213.307 χ^2/NDF : 18.2/17

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

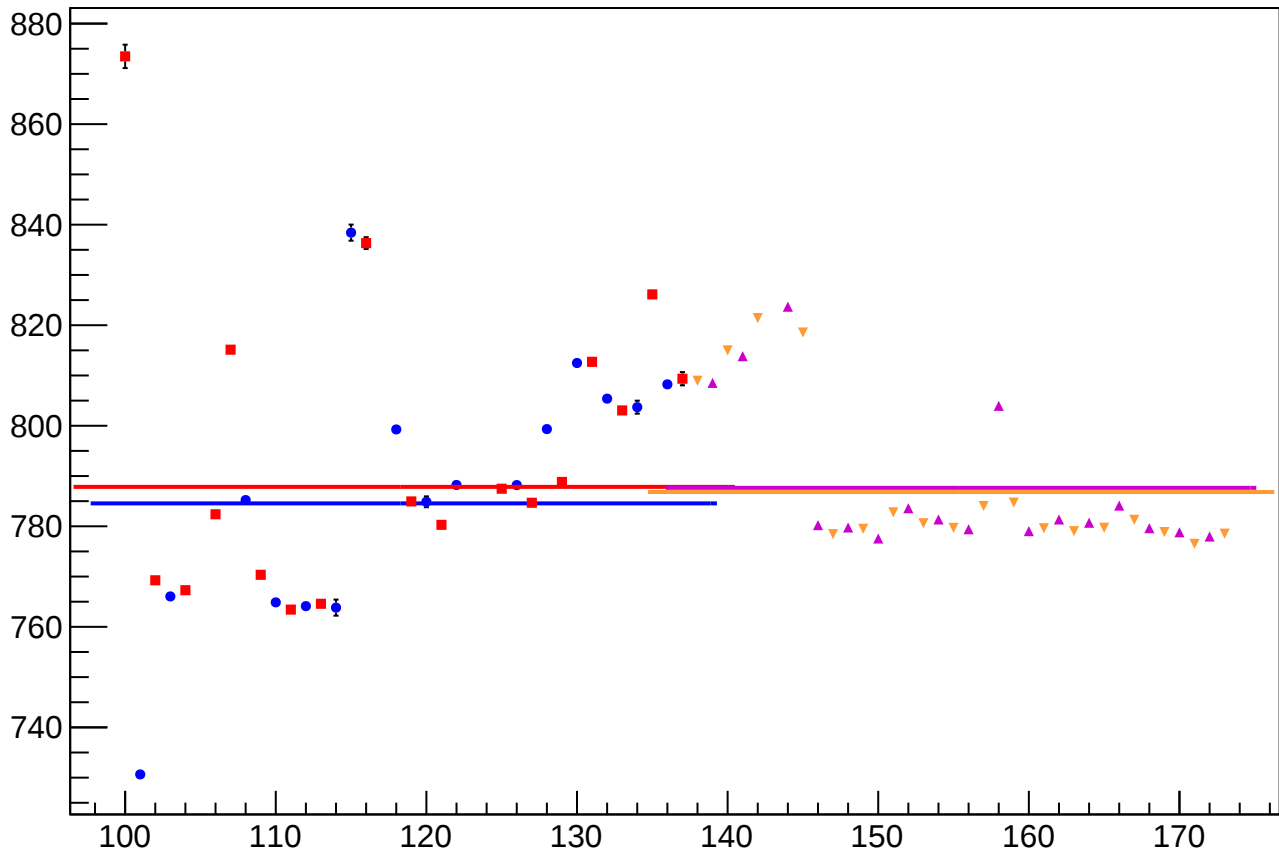
Left In: 281.297 ± 216.293 χ^2/NDF : 19.1/16

+ sign -293.994 ± 174.733 χ^2/NDF : 27.4/33

All: -57.619 ± 123.646 χ^2/NDF : 64.2/68

- sign 179.458 ± 174.992 χ^2/NDF : 33.1/34

reg_asym_us_dd_rms vs Slug



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

Left Out: 786.817 $\pm$ 0.151 χ^2 /NDF: 8562.5/17

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

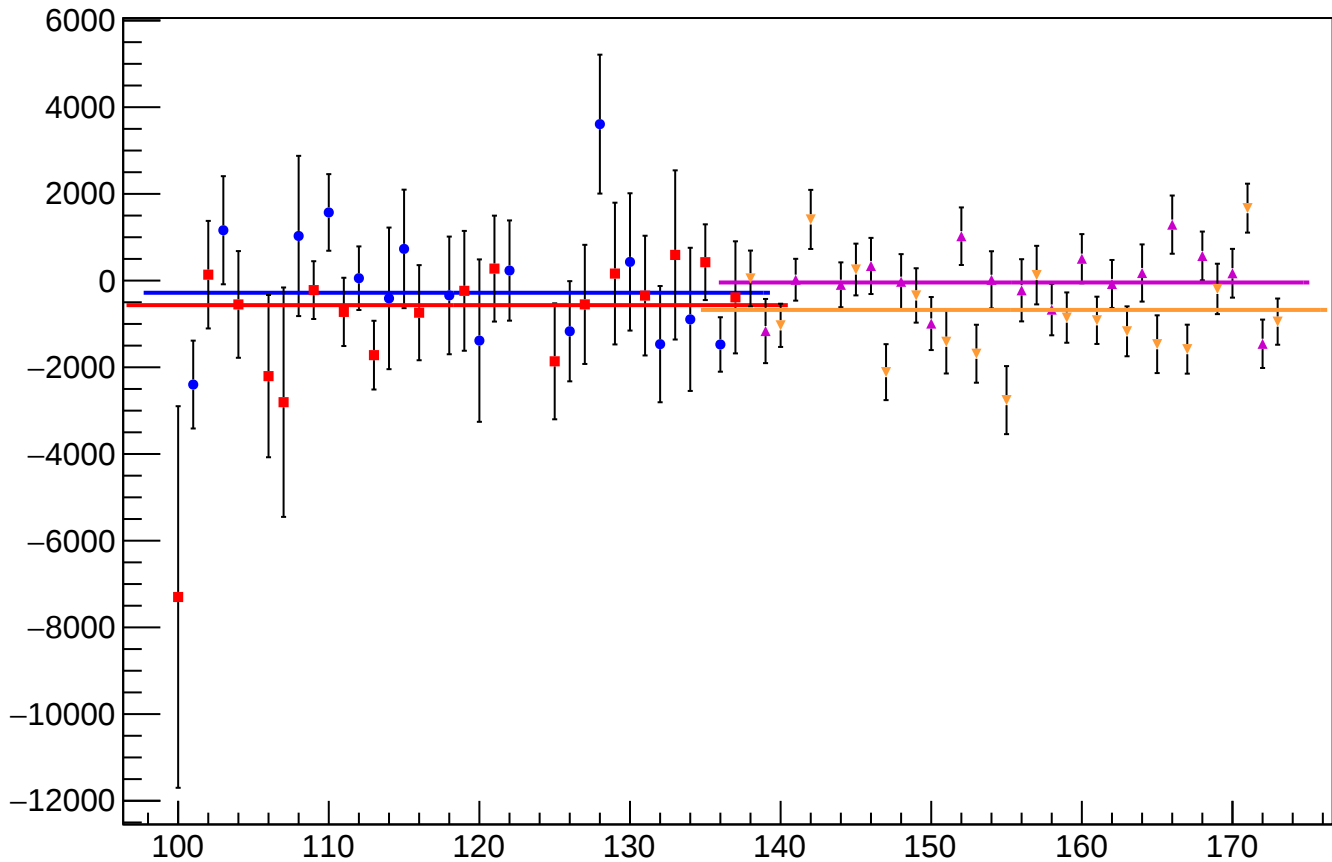
Left In: 787.652 $\pm$ 0.153 χ^2 /NDF: 8632.2/16

+ sign 786.074 $\pm$ 0.124 χ^2 /NDF: 22314.0/33

All: 786.895 $\pm$ 0.087 χ^2 /NDF: 41944.2/68

- sign 787.718 $\pm$ 0.124 χ^2 /NDF: 19541.8/34

asym_us_dd_correction_mean vs Slug



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

Left Out: -676.462 ± 143.411 χ^2/NDF : 53.8/17

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

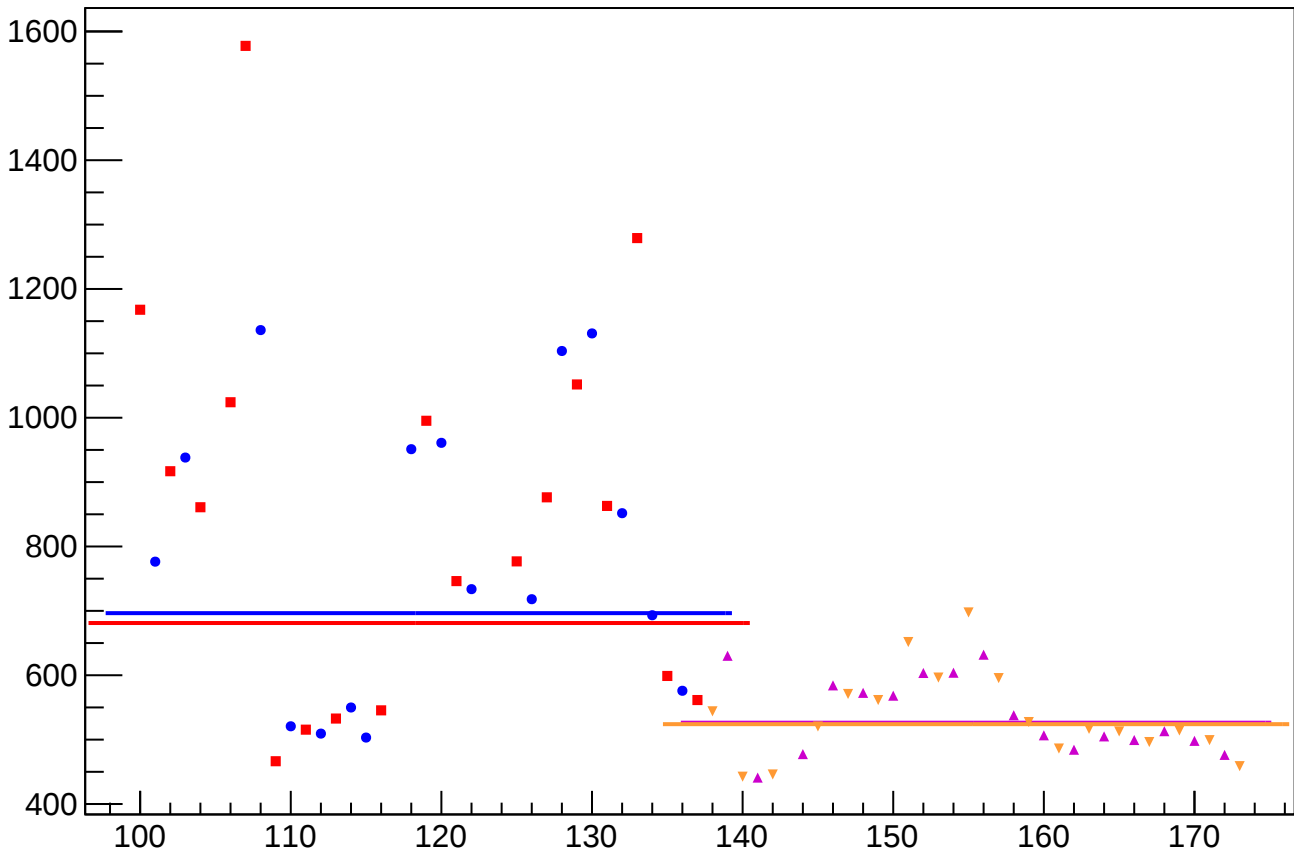
Left In: -43.523 ± 145.626 χ^2/NDF : 21.6/16

+ sign -595.356 ± 127.877 χ^2/NDF : 78.5/33

All: -378.390 ± 90.634 χ^2/NDF : 118.7/68

- sign -159.386 ± 128.476 χ^2/NDF : 34.4/34

asym_us_dd_correction_rms vs Slug



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

Left Out: 524.013 $\pm$ 0.101 χ^2 /NDF: 353838.4/17

+ sign 559.348 $\pm$ 0.090 χ^2 /NDF: 1905887.6/33

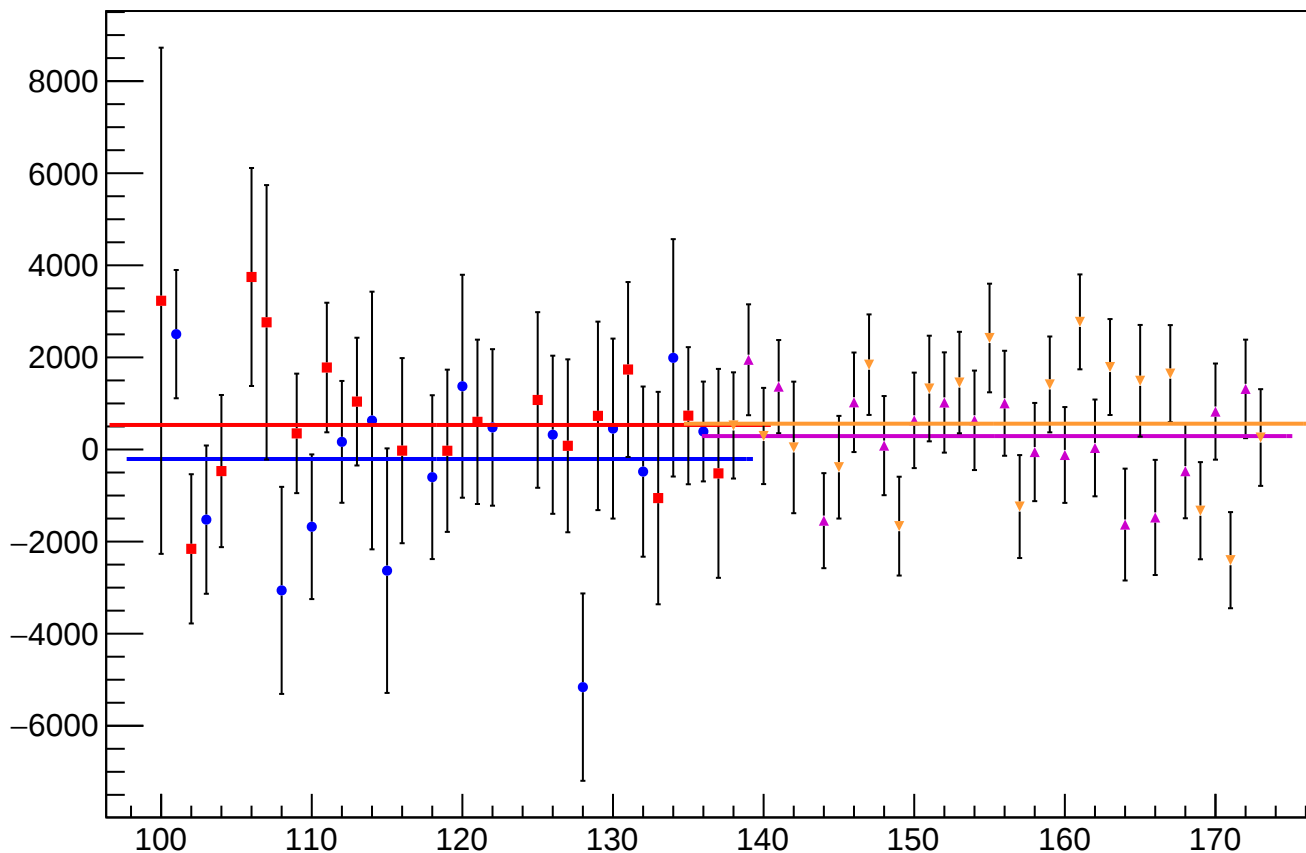
Right Out: 681.127 $\pm$ 0.193 χ^2 /NDF: 1352555.6/17

All: 559.984 $\pm$ 0.064 χ^2 /NDF: 4055613.1/68

- sign 560.627 $\pm$ 0.091 χ^2 /NDF: 2149626.0/34

Left In: 526.310 $\pm$ 0.103 χ^2 /NDF: 296020.0/16

asym_us_dd_mean vs Slug



Right In: -206.385 ± 433.774 $\chi^2/\text{NDF}: 15.8/15$

Left Out: 560.288 ± 259.401 $\chi^2/\text{NDF}: 32.4/17$

Right Out: 532.837 ± 427.128 $\chi^2/\text{NDF}: 8.1/17$

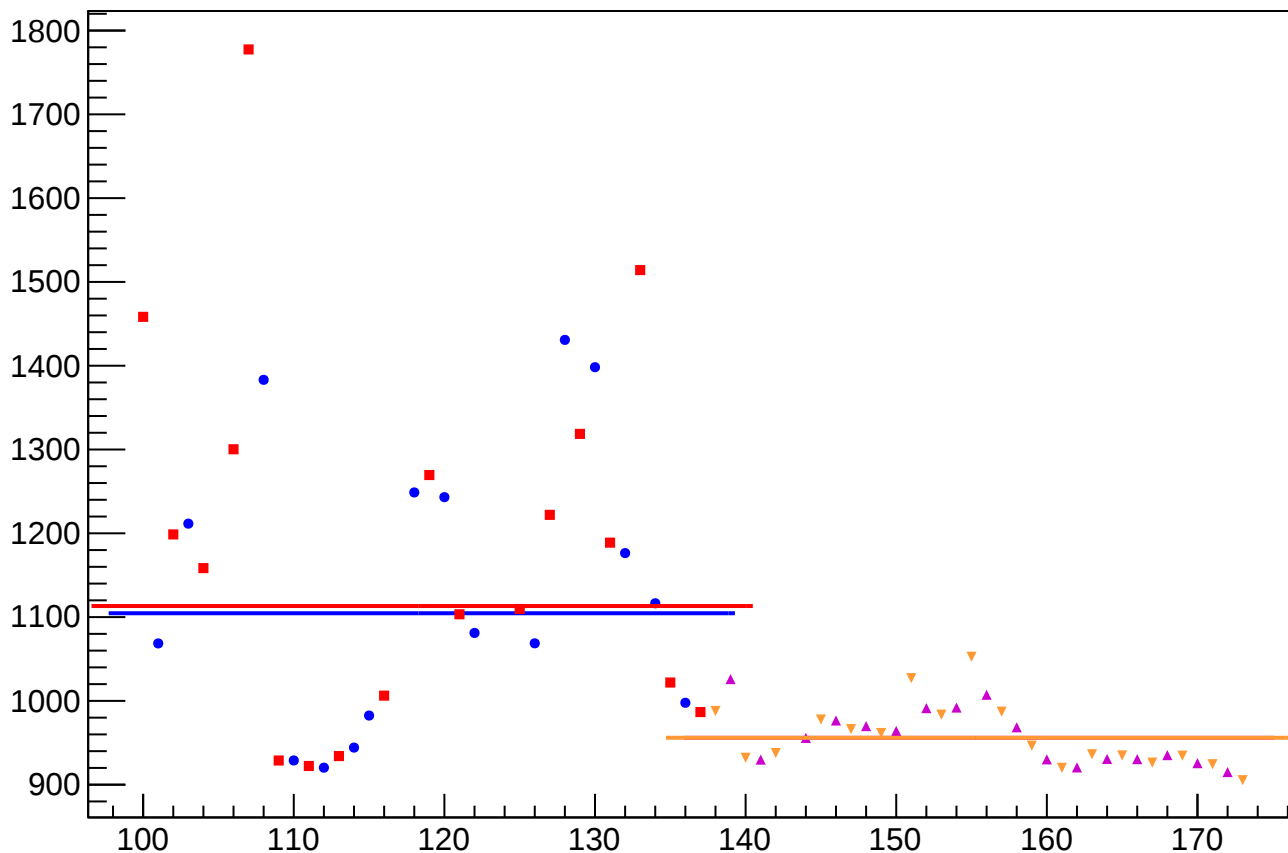
Left In: 291.130 ± 262.649 $\chi^2/\text{NDF}: 14.3/16$

+ sign 358.335 ± 222.630 $\chi^2/\text{NDF}: 50.5/33$

All: 357.894 ± 157.812 $\chi^2/\text{NDF}: 73.2/68$

- sign 357.449 ± 223.734 $\chi^2/\text{NDF}: 22.7/34$

asym_us_dd_rms vs Slug



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

Left Out: 955.984 $\pm$ 0.183 χ^2 /NDF: 40609.5/17

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

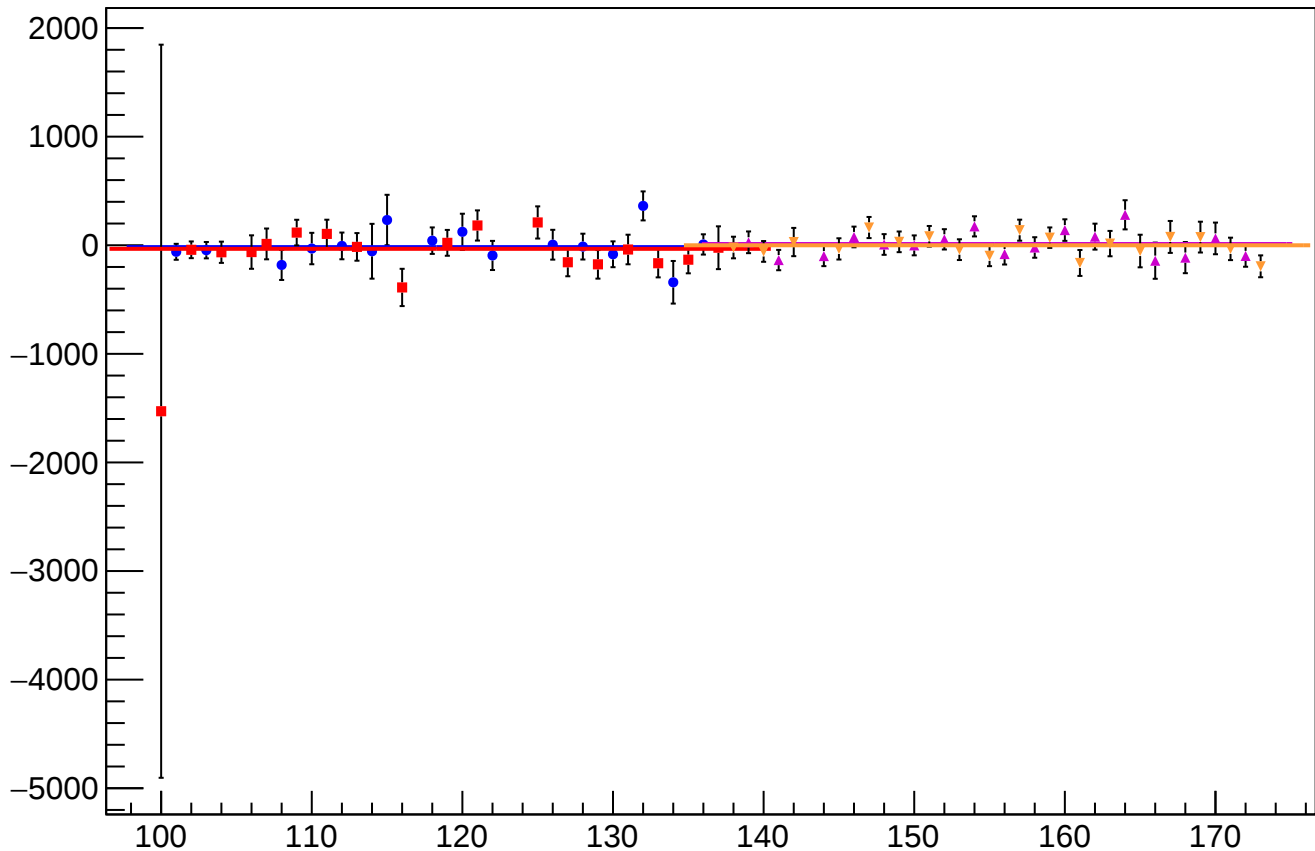
Left In: 955.892 $\pm$ 0.186 χ^2 /NDF: 28563.2/16

+ sign 995.131 $\pm$ 0.157 χ^2 /NDF: 469014.1/33

All: 997.084 $\pm$ 0.112 χ^2 /NDF: 1057754.0/68

- sign 999.058 $\pm$ 0.158 χ^2 /NDF: 588430.3/34

reg_asym_ds_avg_mean vs Slug



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

Left Out: -0.235 ± 24.878 χ^2/NDF : 14.4/17

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

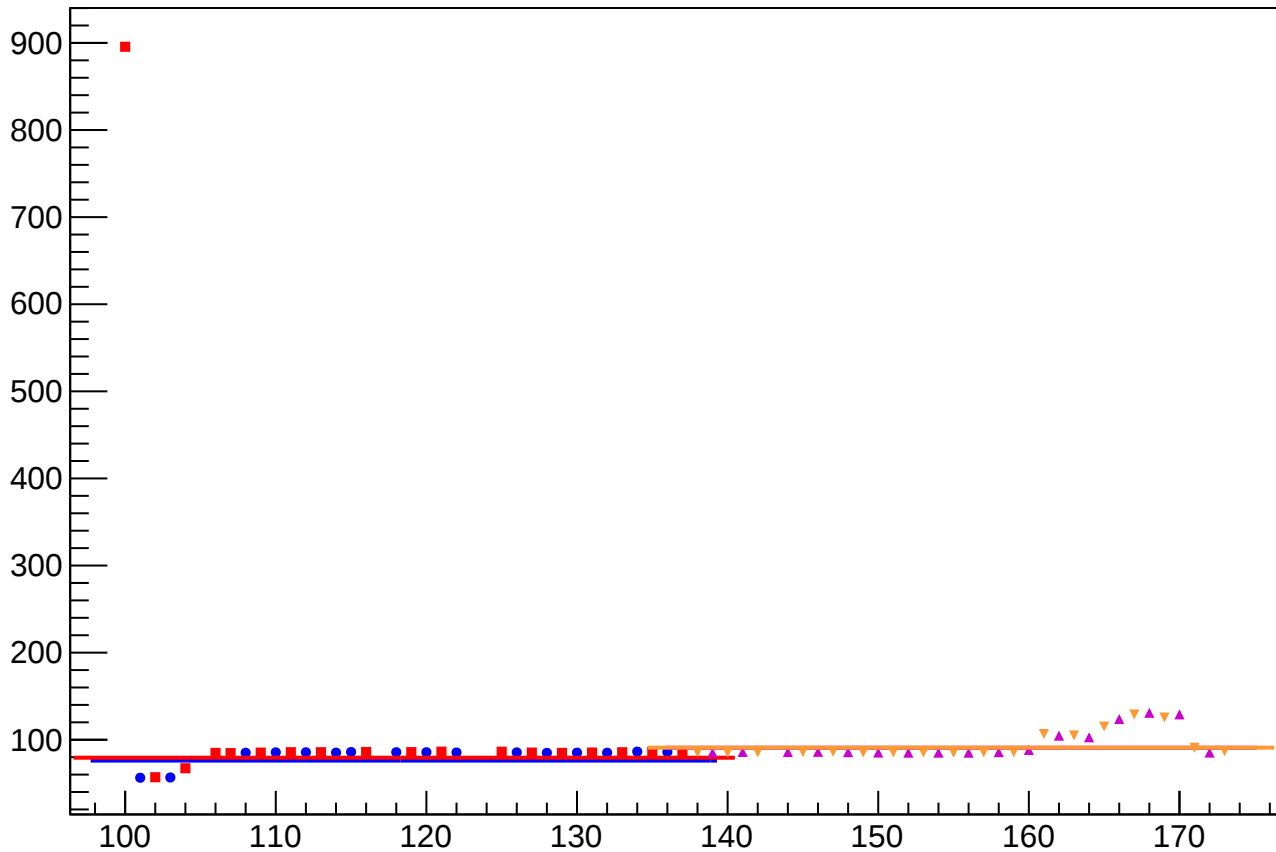
Left In: 11.249 ± 25.167 χ^2/NDF : 17.7/16

+ sign -7.166 ± 19.147 χ^2/NDF : 30.2/33

All: -6.921 ± 13.627 χ^2/NDF : 65.7/68

- sign -6.669 ± 19.398 χ^2/NDF : 35.5/34

reg_asym_ds_avg_rms vs Slug



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

Left Out: 90.952 $\pm$ 0.018 χ^2 /NDF: 439120.3/17

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

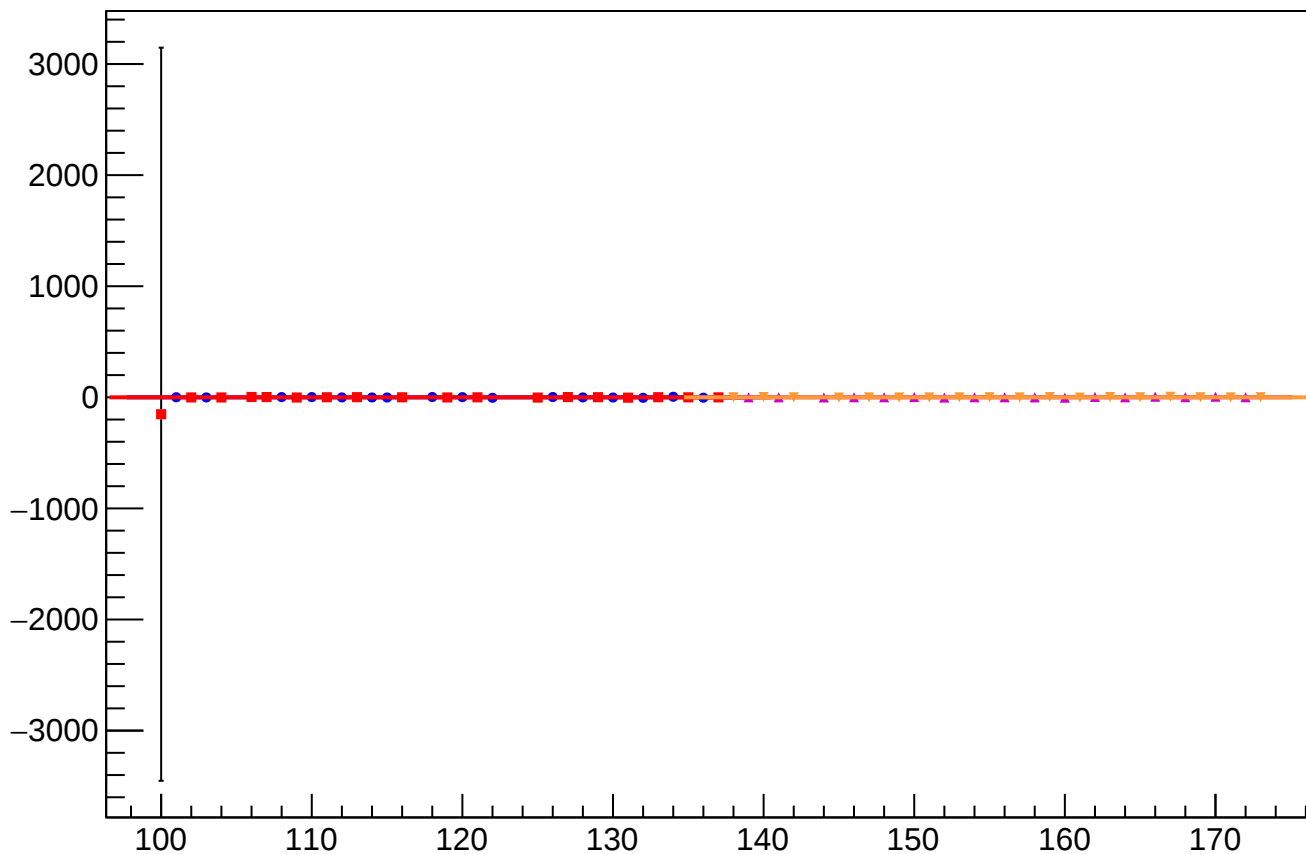
Left In: 90.772 $\pm$ 0.018 χ^2 /NDF: 485188.5/16

+ sign 84.889 $\pm$ 0.014 χ^2 /NDF: 1139675.3/33

All: 85.512 $\pm$ 0.010 χ^2 /NDF: 2173754.8/68

- sign 86.152 $\pm$ 0.014 χ^2 /NDF: 1029782.7/34

asym_ds_avg_correction_mean vs Slug



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

Left Out: 0.003 ± 0.428 χ^2/NDF : 13.0/17

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

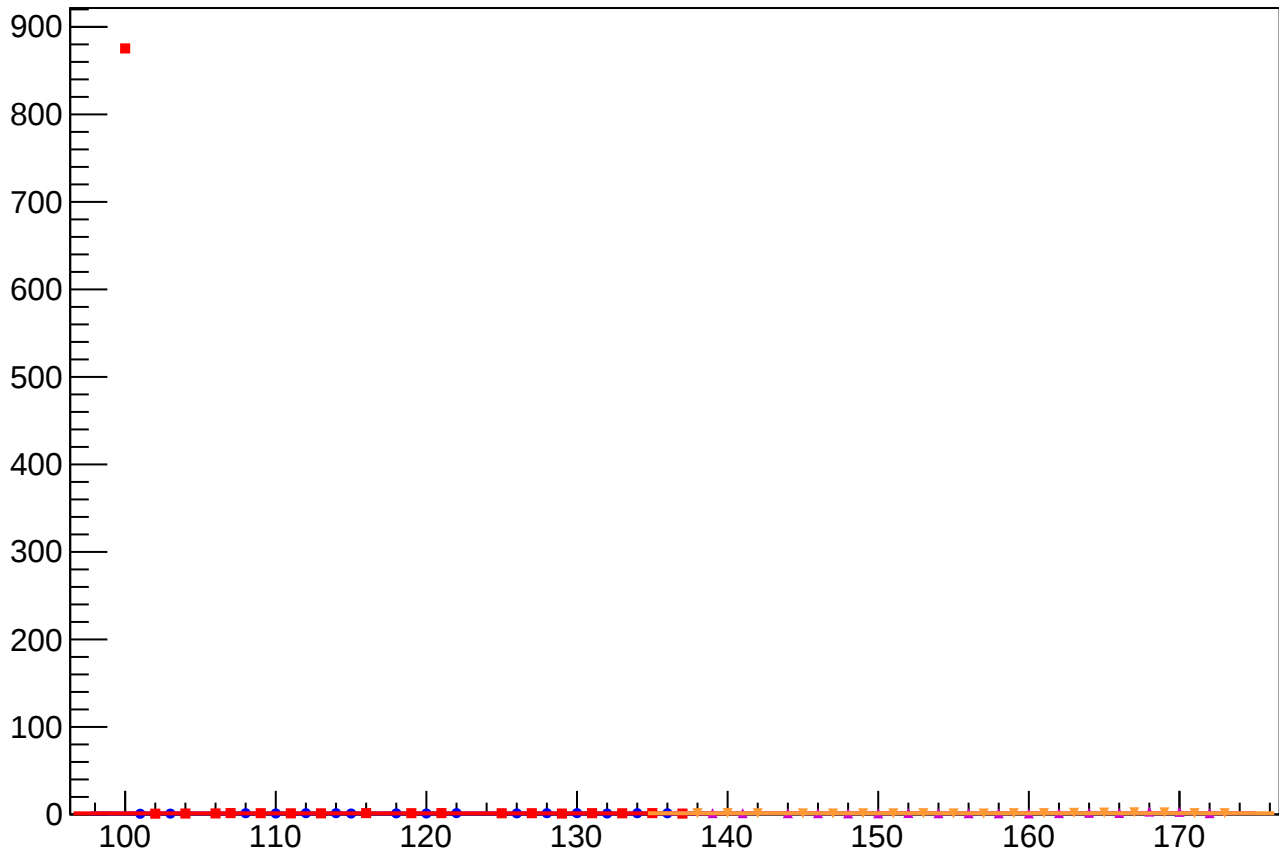
Left In: 0.461 ± 0.452 χ^2/NDF : 19.2/16

+ sign -0.117 ± 0.326 χ^2/NDF : 34.3/33

All: 0.049 ± 0.236 χ^2/NDF : 63.7/68

- sign 0.230 ± 0.341 χ^2/NDF : 28.8/34

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.391 $\pm$ 0.000 χ^2 /NDF:899980.4/17

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

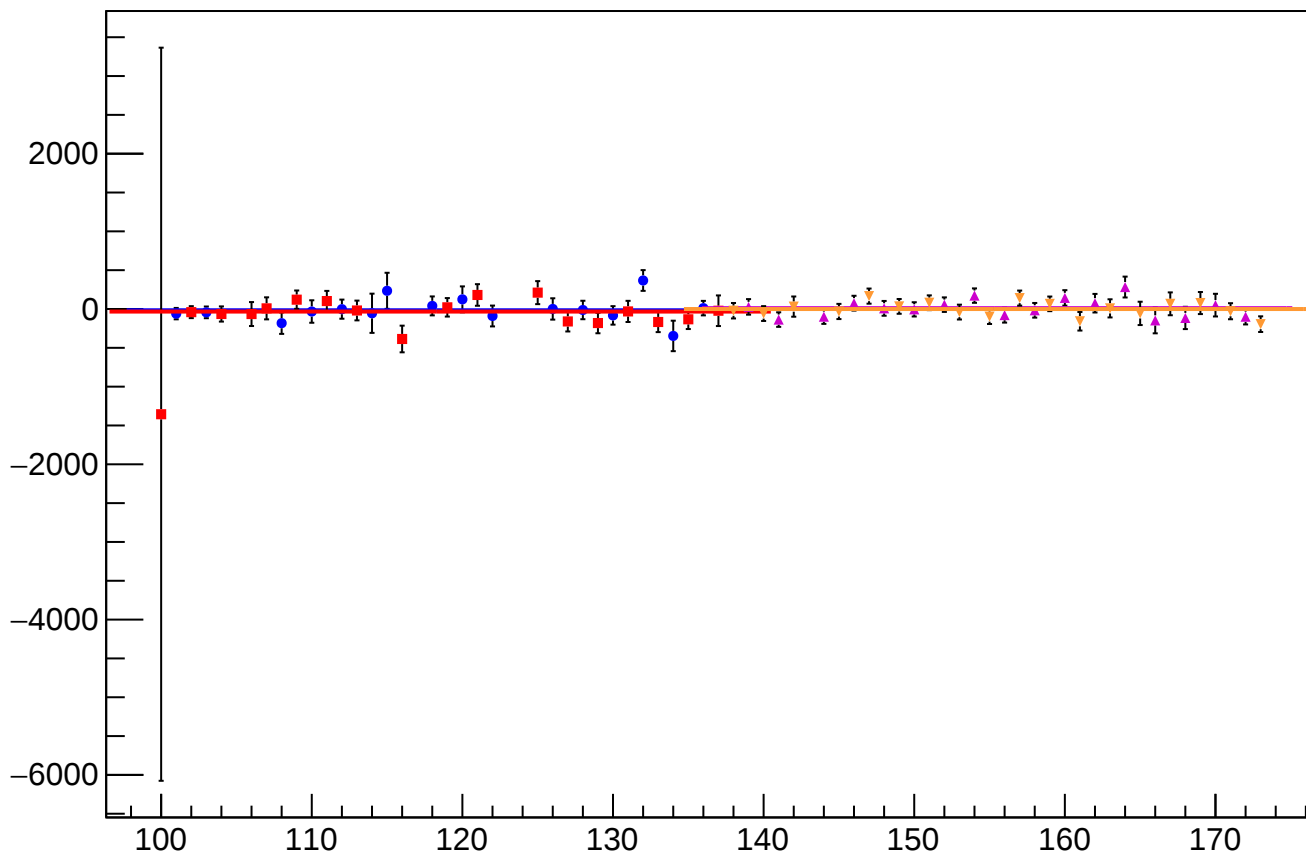
Left In: 1.474 $\pm$ 0.000 χ^2 /NDF:967553.2/16

+ sign 1.290 $\pm$ 0.000 χ^2 /NDF: 1675768.0/33

All: 1.331 $\pm$ 0.000 χ^2 /NDF: 3444793.5/68

- sign 1.377 $\pm$ 0.000 χ^2 /NDF: 1701703.8/34

asym_ds_avg_mean vs Slug



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

Left Out: -0.458 ± 24.886 χ^2/NDF : 14.4/17

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

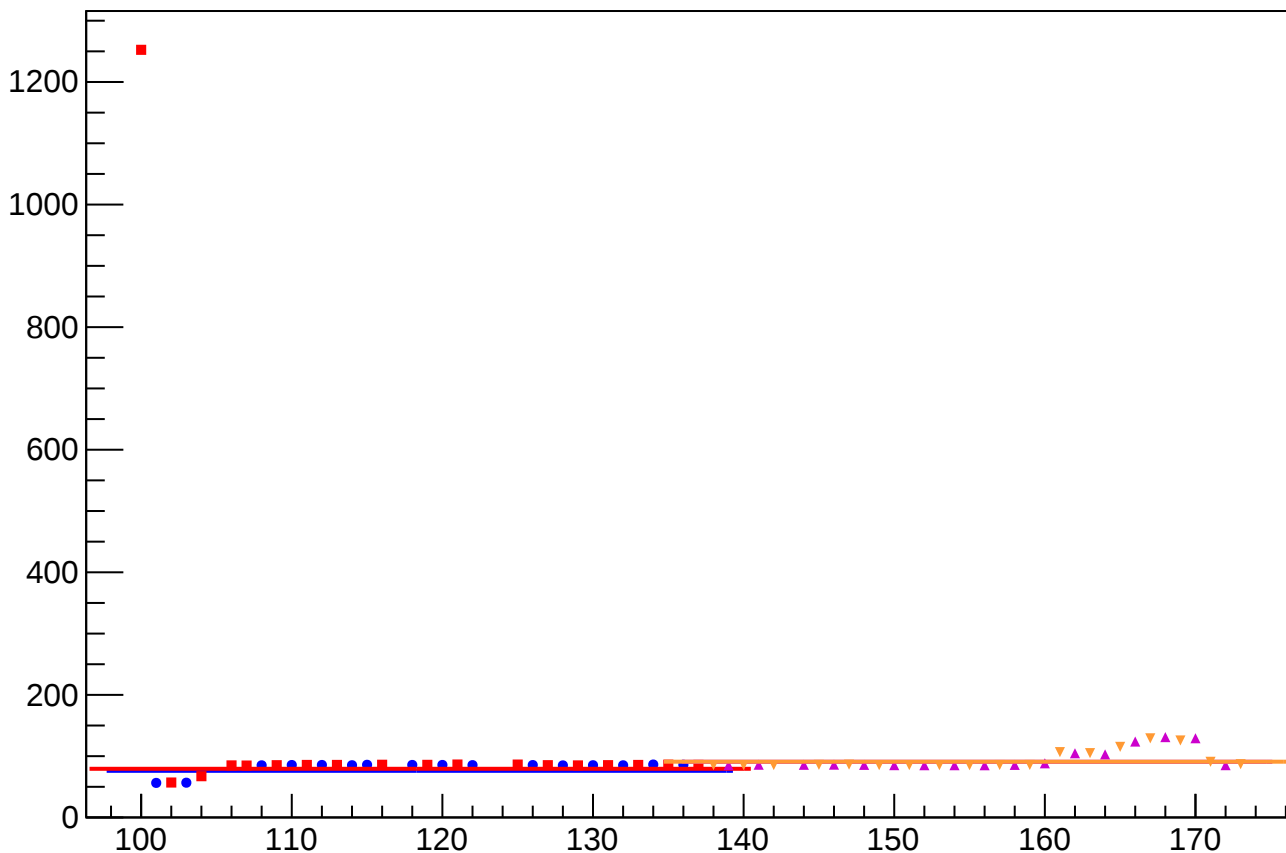
Left In: 10.964 ± 25.175 χ^2/NDF : 17.7/16

+ sign -6.921 ± 19.152 χ^2/NDF : 30.4/33

All: -6.925 ± 13.631 χ^2/NDF : 65.9/68

- sign -6.929 ± 19.404 χ^2/NDF : 35.5/34

asym_ds_avg_rms vs Slug



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

Left Out: 90.978 $\pm$ 0.018 χ^2 /NDF: 439860.0/17

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

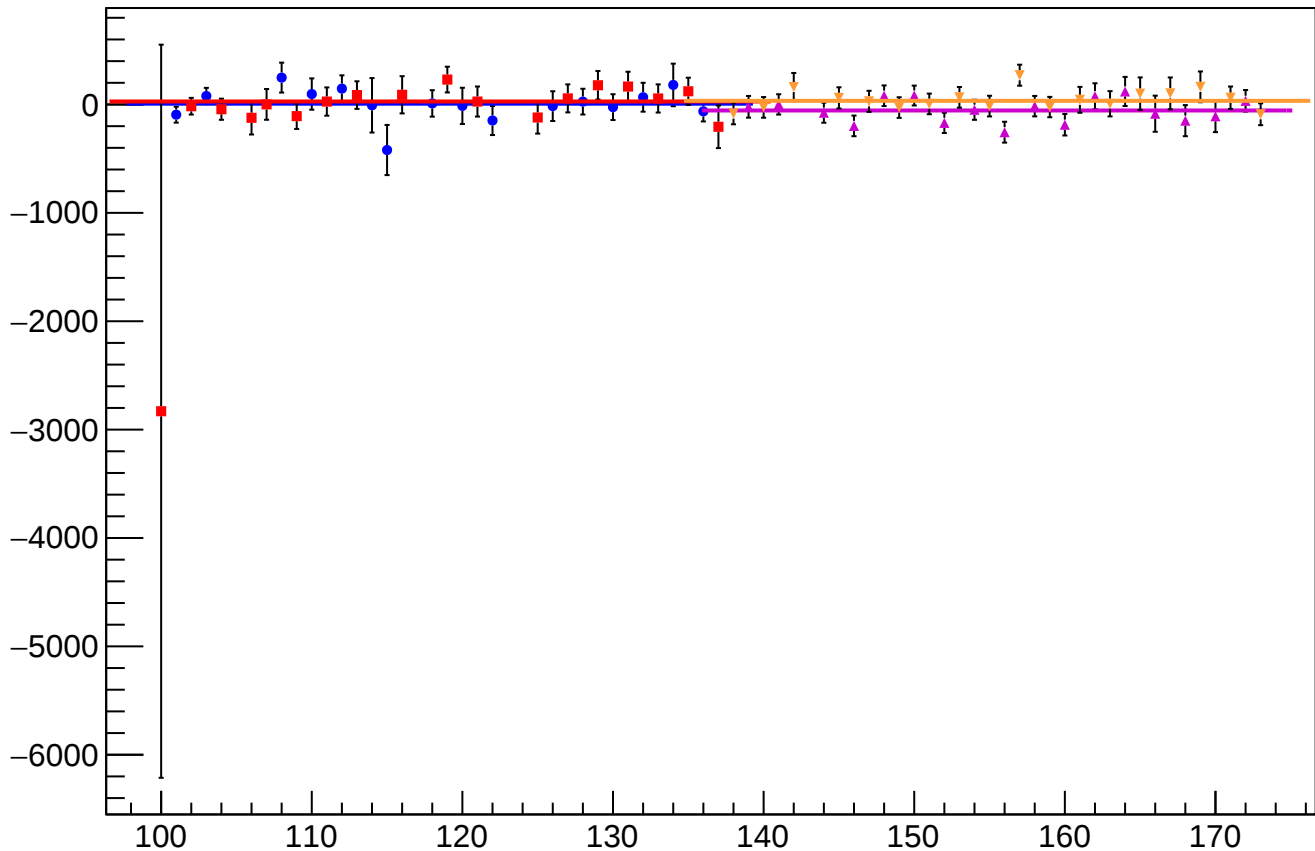
Left In: 90.799 $\pm$ 0.018 χ^2 /NDF: 486053.3/16

+ sign 84.912 $\pm$ 0.014 χ^2 /NDF: 1140552.2/33

All: 85.532 $\pm$ 0.010 χ^2 /NDF: 2182563.8/68

- sign 86.169 $\pm$ 0.014 χ^2 /NDF: 1037760.6/34

reg_asym_ds_dd_mean vs Slug



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

Left Out: 33.816 ± 24.878 χ^2/NDF : 12.9/17

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

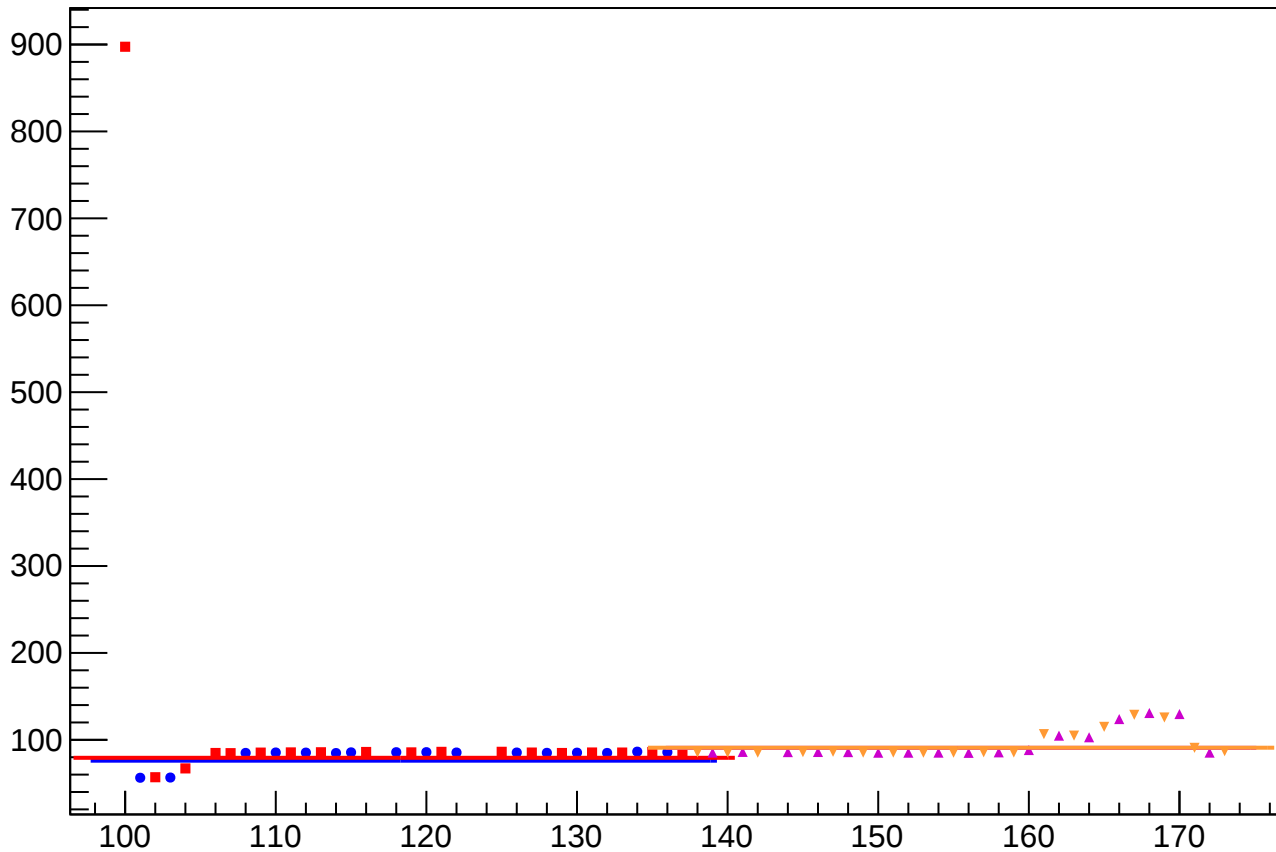
Left In: -55.208 ± 25.170 χ^2/NDF : 19.1/16

+ sign 23.063 ± 19.142 χ^2/NDF : 27.3/33

All: 1.105 ± 13.624 χ^2/NDF : 66.0/68

- sign -21.436 ± 19.394 χ^2/NDF : 36.0/34

reg_asym_ds_dd_rms vs Slug



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

Left Out: 90.953 $\pm$ 0.018 χ^2 /NDF: 438467.8/17

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

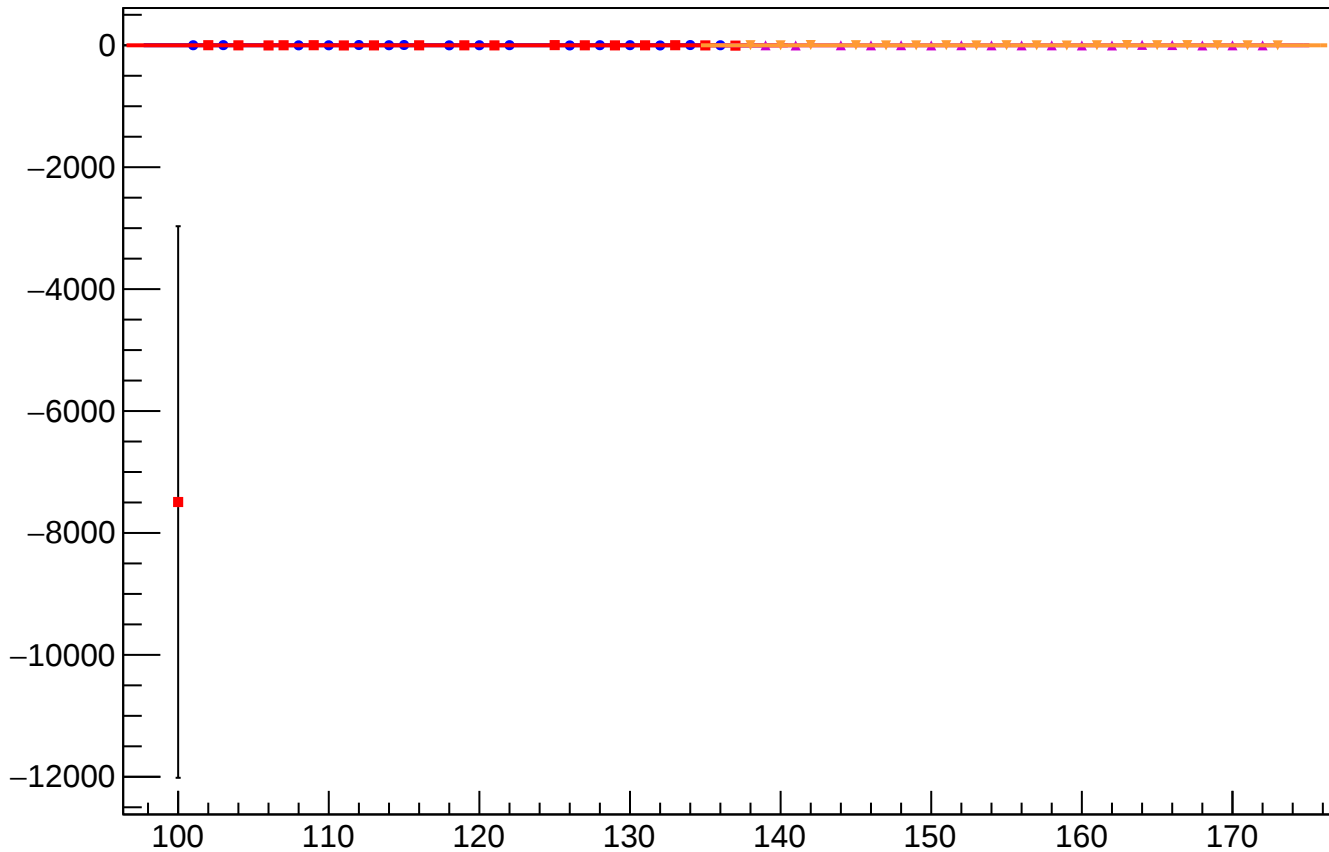
Left In: 90.773 $\pm$ 0.018 χ^2 /NDF: 488860.4/16

+ sign 84.866 $\pm$ 0.014 χ^2 /NDF: 1140911.2/33

All: 85.489 $\pm$ 0.010 χ^2 /NDF: 2180041.0/68

- sign 86.129 $\pm$ 0.014 χ^2 /NDF: 1034831.3/34

asym_ds_dd_correction_mean vs Slug



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

Left Out: -0.409 ± 0.441 χ^2/NDF : 16.9/17

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

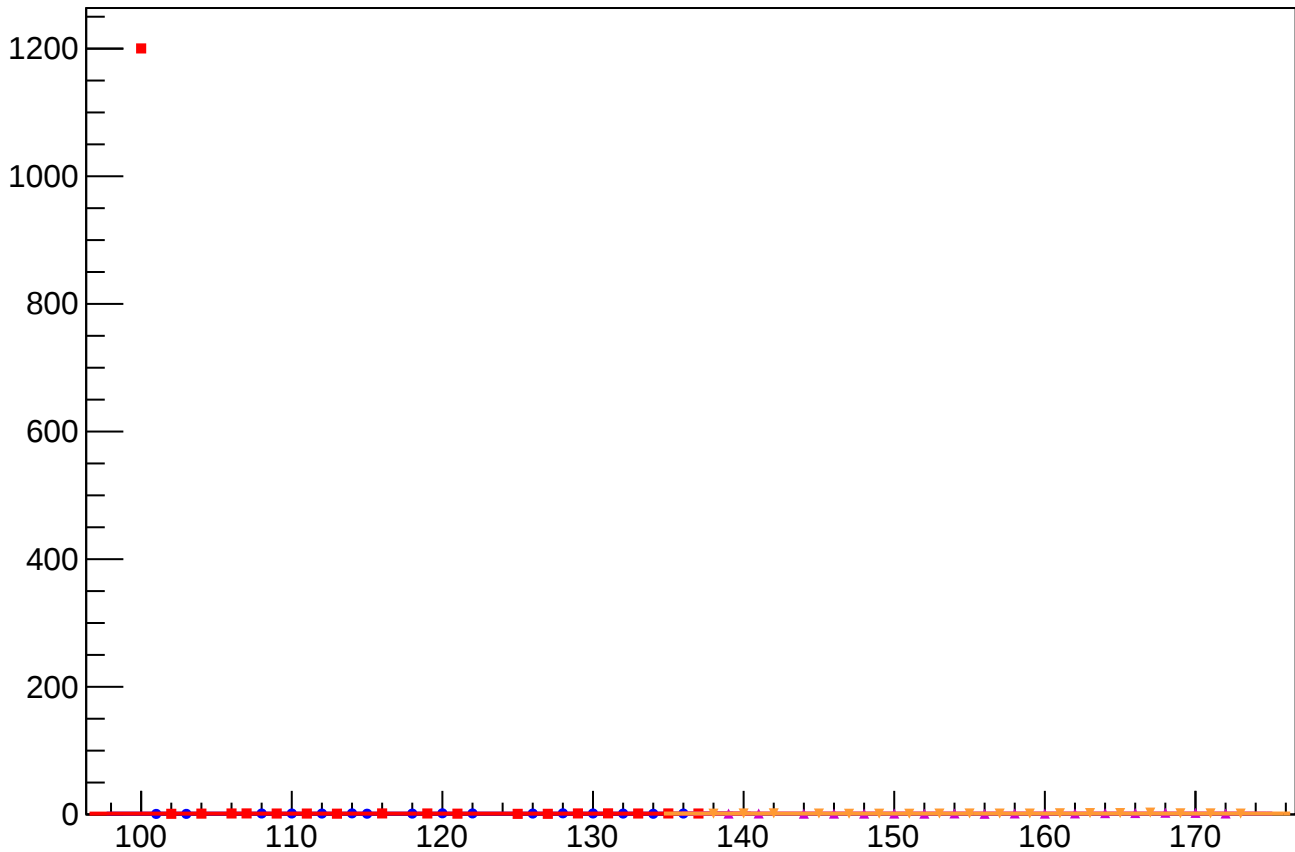
Left In: -0.146 ± 0.451 χ^2/NDF : 15.0/16

+ sign 0.128 ± 0.340 χ^2/NDF : 32.5/33

All: -0.038 ± 0.243 χ^2/NDF : 60.6/68

- sign -0.213 ± 0.348 χ^2/NDF : 27.6/34

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.441 $\pm$ 0.000 χ^2 /NDF:1040875.3/17

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

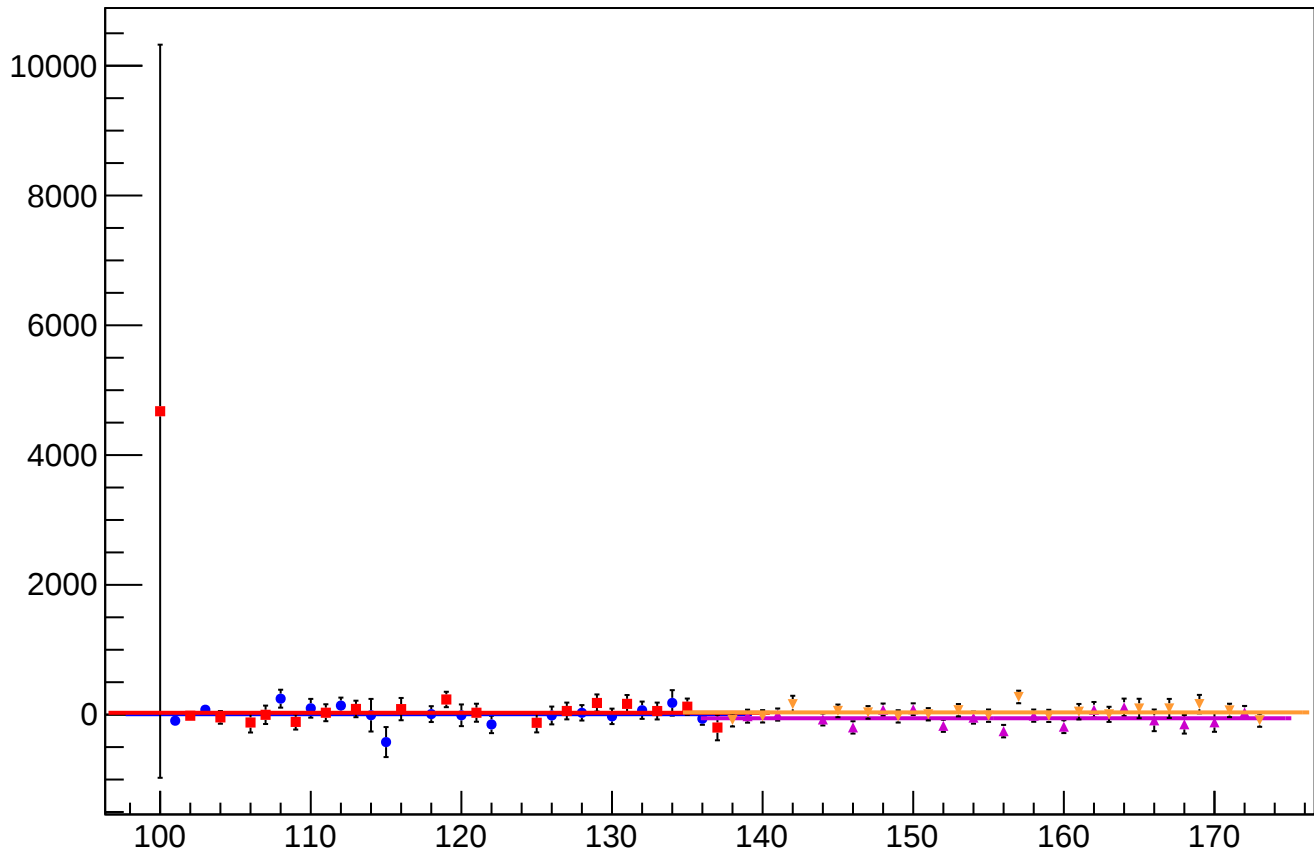
Left In: 1.463 $\pm$ 0.000 χ^2 /NDF:929296.0/16

+ sign 1.358 $\pm$ 0.000 χ^2 /NDF: 1871411.2/33

All: 1.381 $\pm$ 0.000 χ^2 /NDF: 3424440.8/68

- sign 1.404 $\pm$ 0.000 χ^2 /NDF: 1535008.8/34

asym_ds_dd_mean vs Slug



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

Left Out: 34.639 ± 24.886 χ^2/NDF : 12.8/17

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

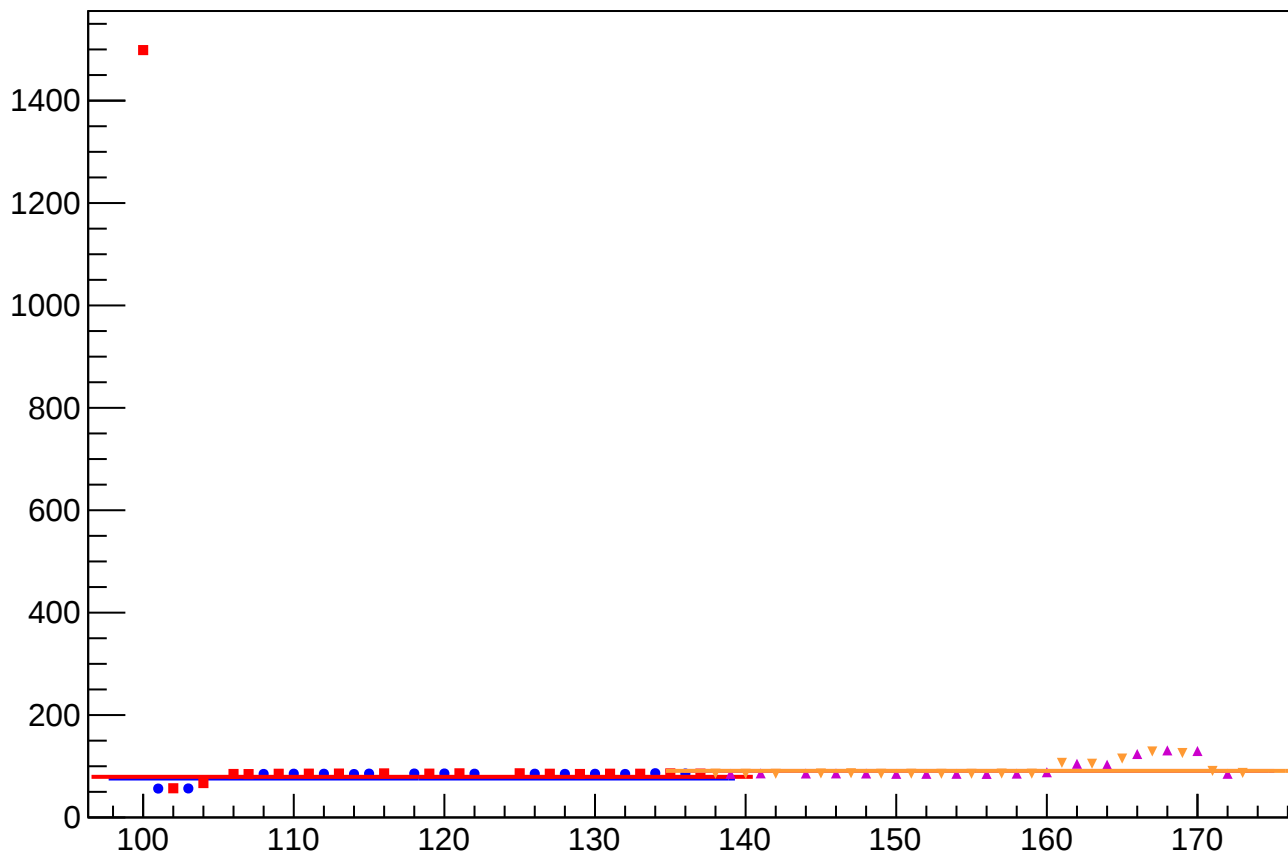
Left In: -55.778 ± 25.178 χ^2/NDF : 18.8/16

+ sign 23.273 ± 19.148 χ^2/NDF : 27.1/33

All: 1.171 ± 13.628 χ^2/NDF : 65.8/68

- sign -21.517 ± 19.400 χ^2/NDF : 36.0/34

asym_ds_dd_rms vs Slug



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

Left Out: 90.980 $\pm$ 0.018 χ^2 /NDF: 439212.3/17

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

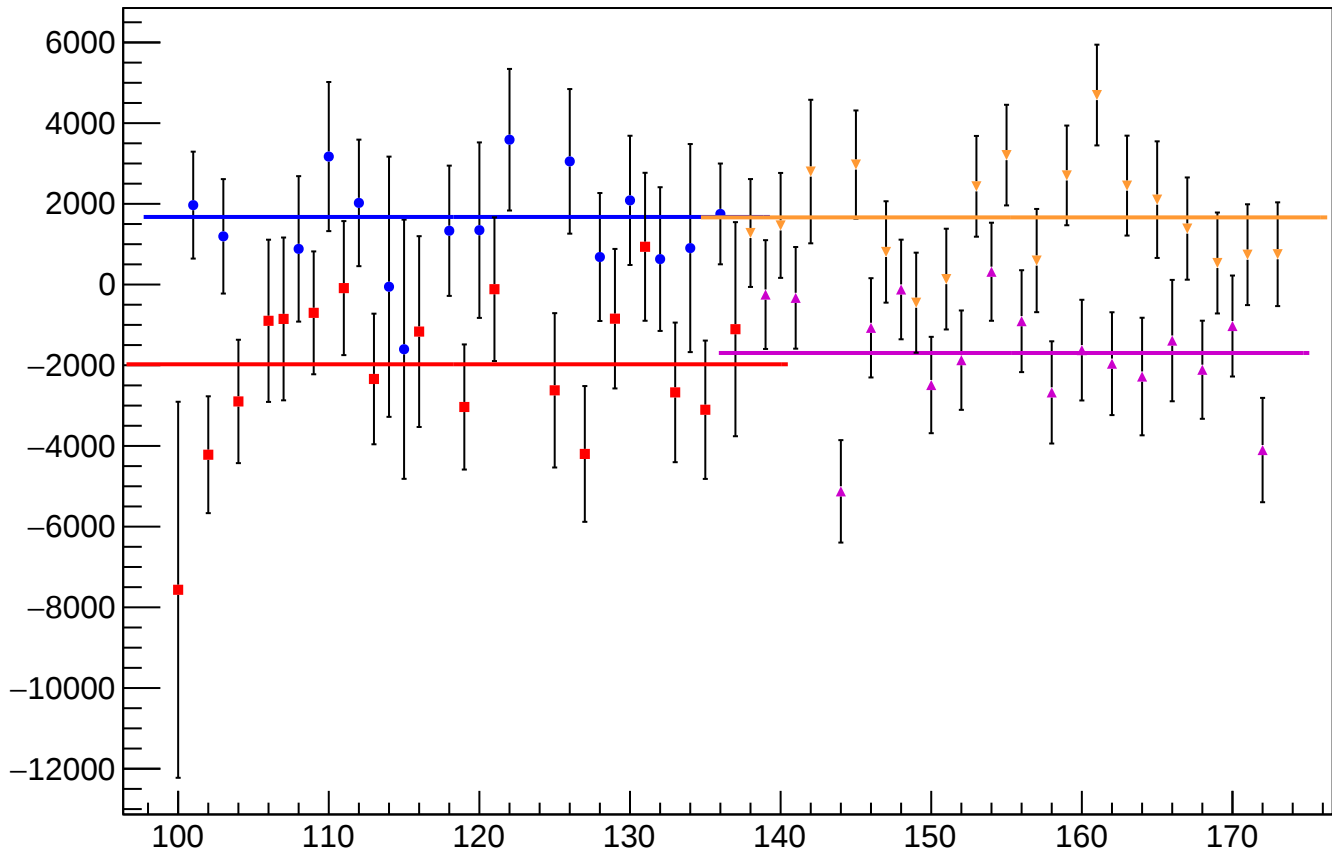
Left In: 90.800 $\pm$ 0.018 χ^2 /NDF: 489664.1/16

+ sign 84.890 $\pm$ 0.014 χ^2 /NDF: 1141784.3/33

All: 85.508 $\pm$ 0.010 χ^2 /NDF: 2191699.7/68

- sign 86.143 $\pm$ 0.014 χ^2 /NDF: 1045683.8/34

reg_asym_usl_mean vs Slug



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

Left Out: 1664.379 $\pm$ 304.578 χ^2 /NDF:18.0/17

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

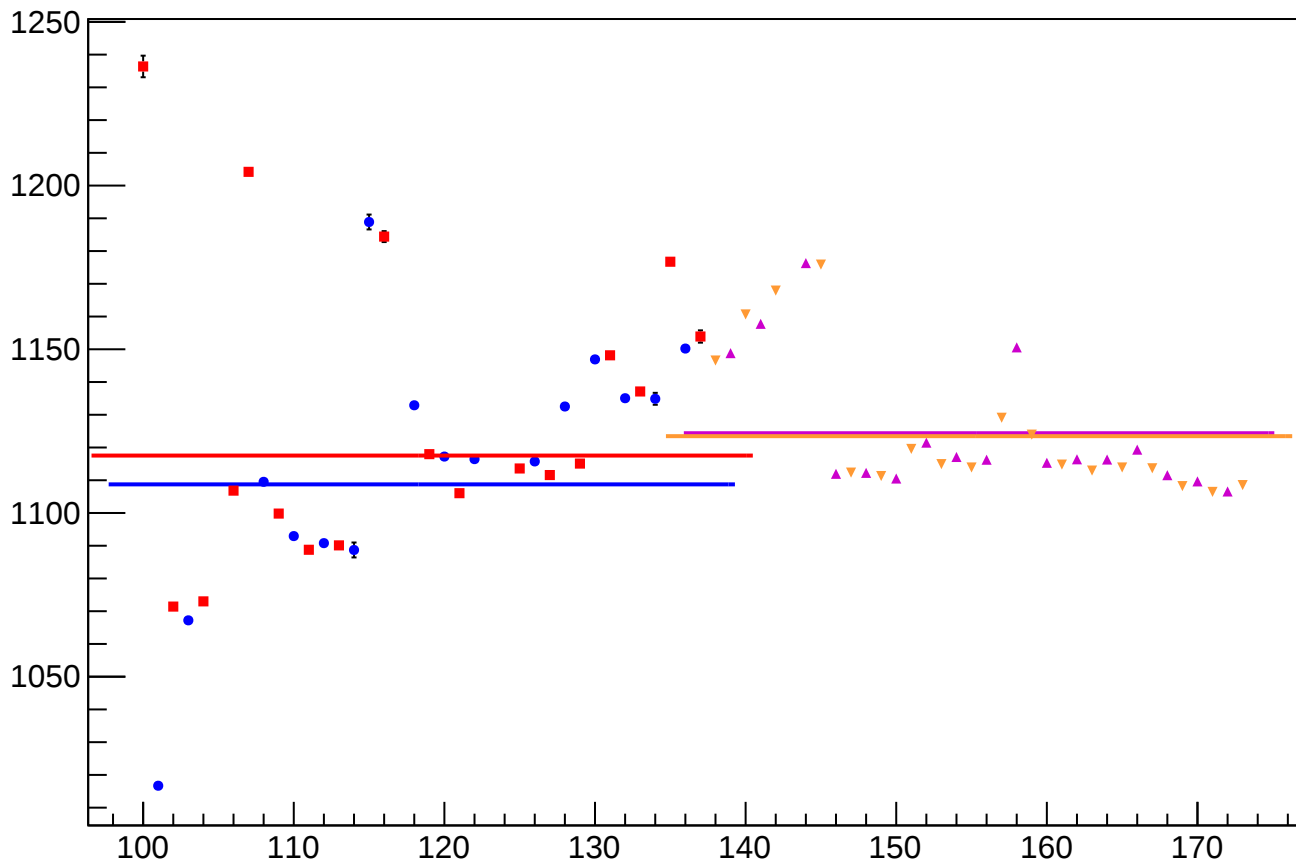
Left In: -1696.303 $\pm$ 308.755 χ^2 /NDF:19.8/16

+ sign 1667.919 $\pm$ 248.660 χ^2 /NDF: 23.1/33

All: -58.732 $\pm$ 176.043 χ^2 /NDF: 153.9/68

- sign -1793.805 $\pm$ 249.265 χ^2 /NDF: 34.1/34

reg_asym_usl_rms vs Slug



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

Left Out: 1123.462 $\pm$ 0.215 χ^2 /NDF: 8546.1/17

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

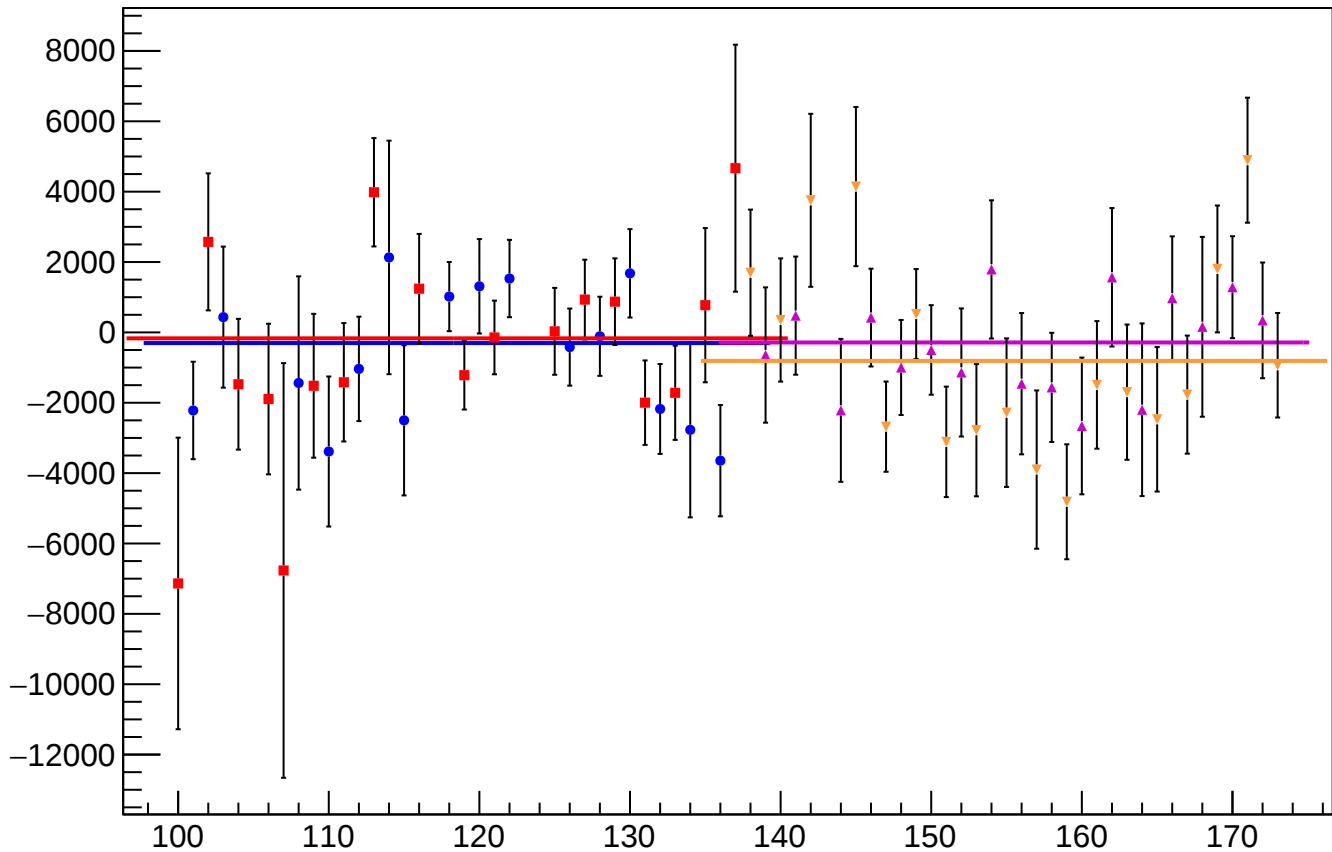
Left In: 1124.361 $\pm$ 0.218 χ^2 /NDF: 8243.7/16

+ sign 1118.553 $\pm$ 0.176 χ^2 /NDF: 28185.3/33

All: 1120.265 $\pm$ 0.124 χ^2 /NDF: 52474.2/68

- sign 1121.985 $\pm$ 0.176 χ^2 /NDF: 24098.9/34

asym_usl_correction_mean vs Slug



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

Left Out: -810.169+/-410.019 χ^2/NDF : 39.2/17

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

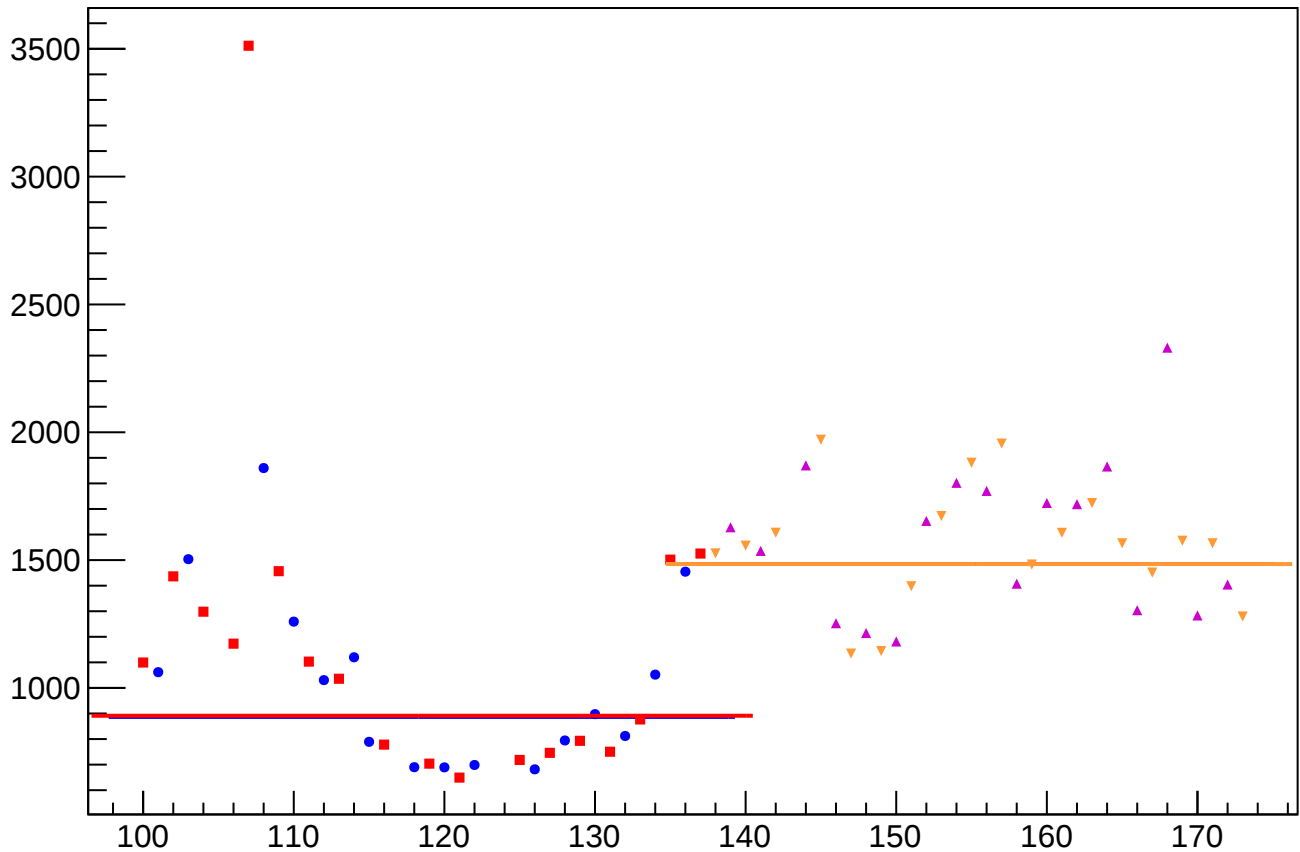
Left In: -286.283+/-415.680 χ^2/NDF : 8.9/16

+ sign -524.014+/-270.553 χ^2/NDF : 62.4/33

All: -371.262+/-191.289 χ^2/NDF : 96.8/68

- sign -218.576+/-270.495 χ^2/NDF : 33.8/34

asym_usl_correction_rms vs Slug



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

Left Out: 1484.533+/-0.290 χ^2/NDF : 668562.5/17

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

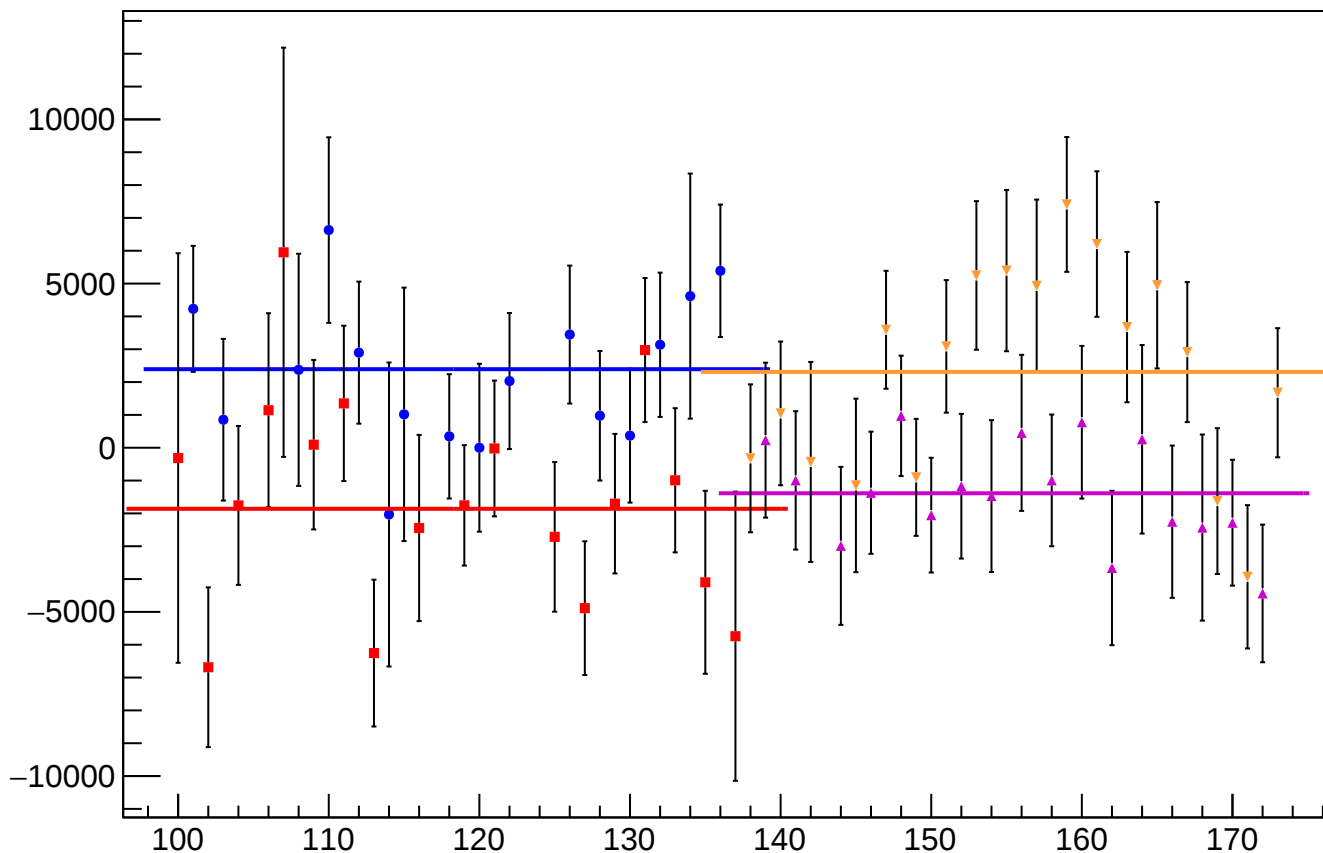
Left In: 1484.781+/-0.294 χ^2/NDF : 839449.6/16

+ sign 1146.996+/-0.191 χ^2/NDF : 4130079.6/33

All: 1144.772+/-0.135 χ^2/NDF : 8735332.1/68

- sign 1142.548+/-0.191 χ^2/NDF : 4604982.1/34

asym_usl_mean vs Slug



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

Left Out: 2310.274 $\pm$ 519.086 χ^2 /NDF:34.6/17

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

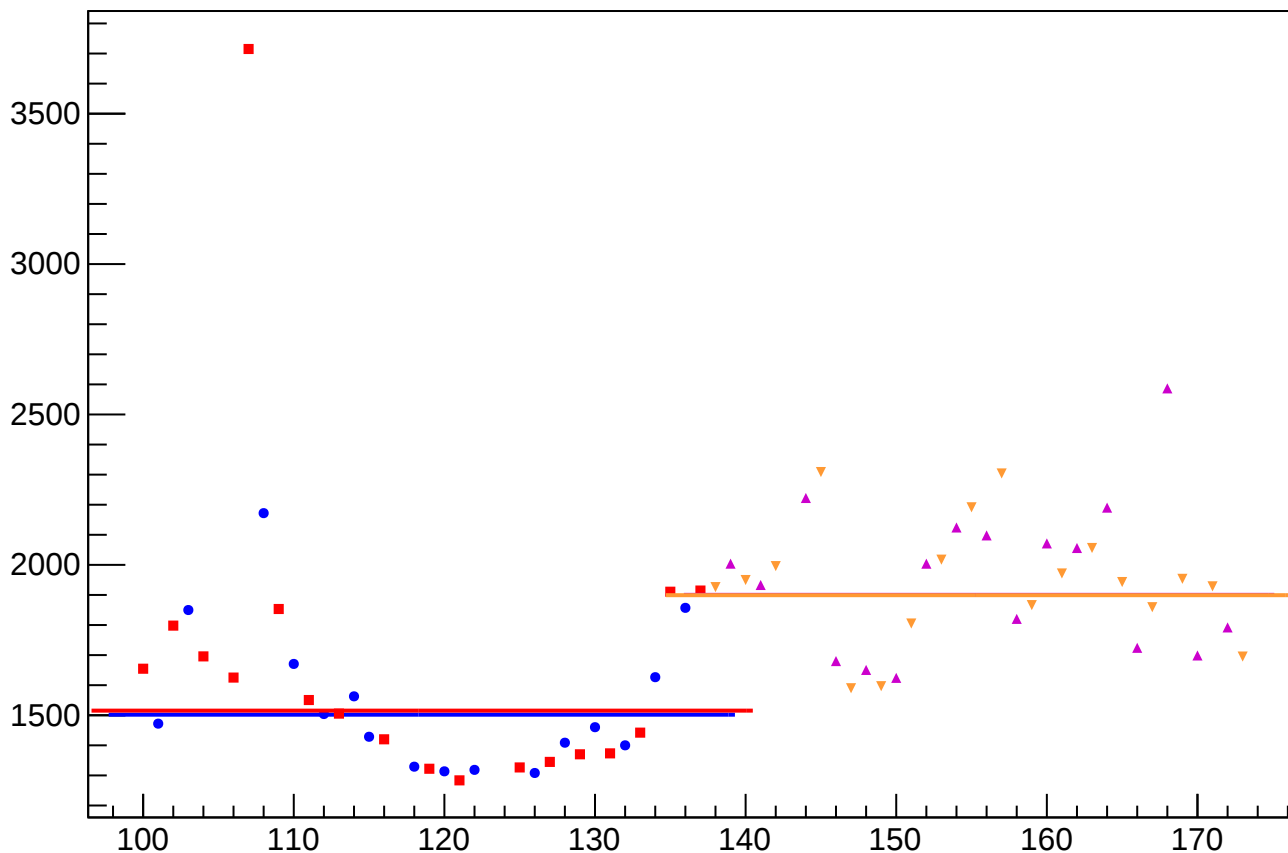
Left In: -1386.921 $\pm$ 526.484 χ^2 /NDF:8.1/16

+ sign 2346.170 $\pm$ 389.431 χ^2 /NDF: 45.8/33

All: 380.214 $\pm$ 275.843 χ^2 /NDF: 127.9/68

- sign -1599.317 $\pm$ 390.773 χ^2 /NDF: 31.0/34

asym_usl_rms vs Slug



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

Left Out: 1899.212+/-0.367 χ^2/NDF : 290339.9/17

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

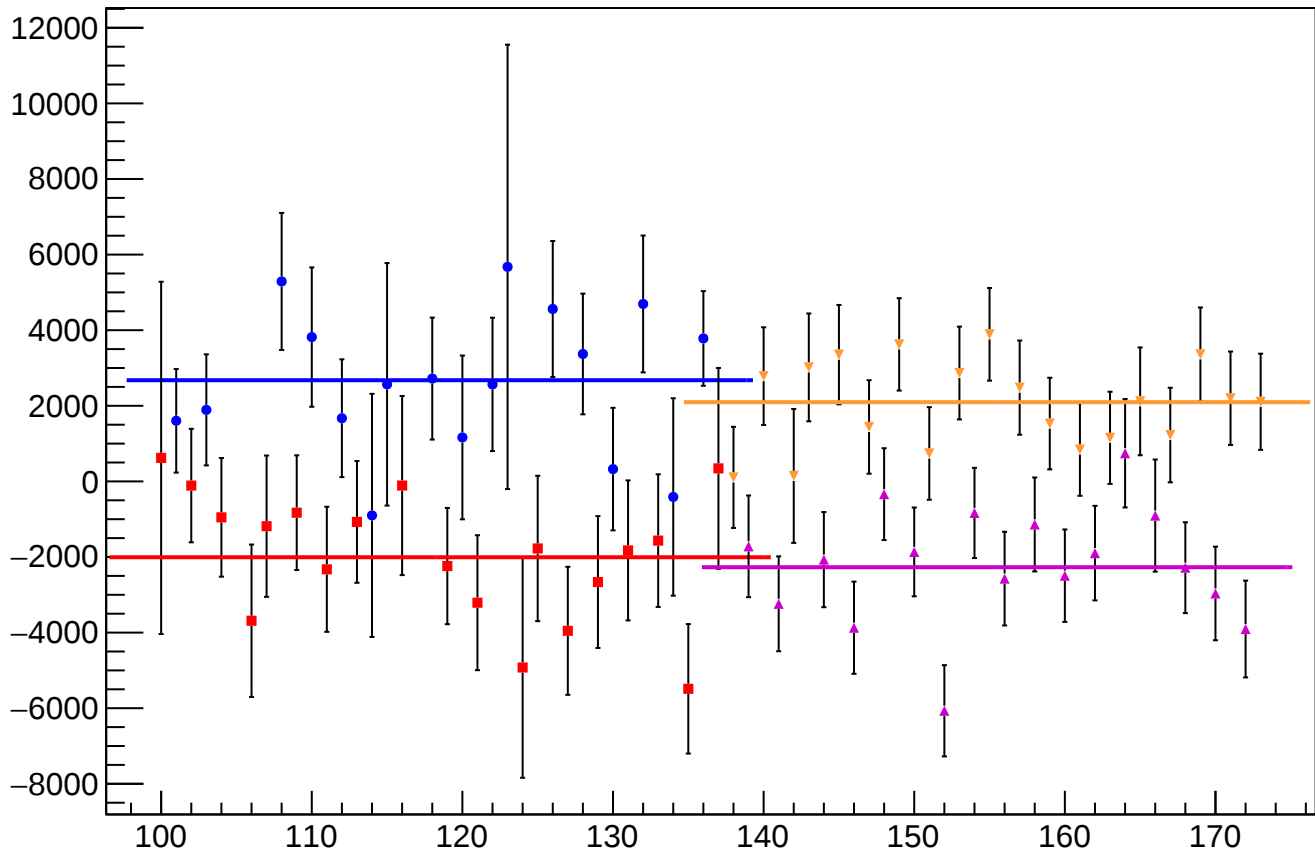
Left In: 1900.320+/-0.372 χ^2/NDF : 391599.9/16

+ sign 1725.538+/-0.275 χ^2/NDF : 1057017.1/33

All: 1726.495+/-0.195 χ^2/NDF : 2408491.7/68

- sign 1727.458+/-0.276 χ^2/NDF : 1351450.4/34

reg_asym_usr_mean vs Slug



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

Left Out: 2096.148 $\pm$ 293.820 χ^2 /NDF:14.1/18

Right Out: -2066.577 $\pm$ 419.165 χ^2 /NDF: 12.8/18

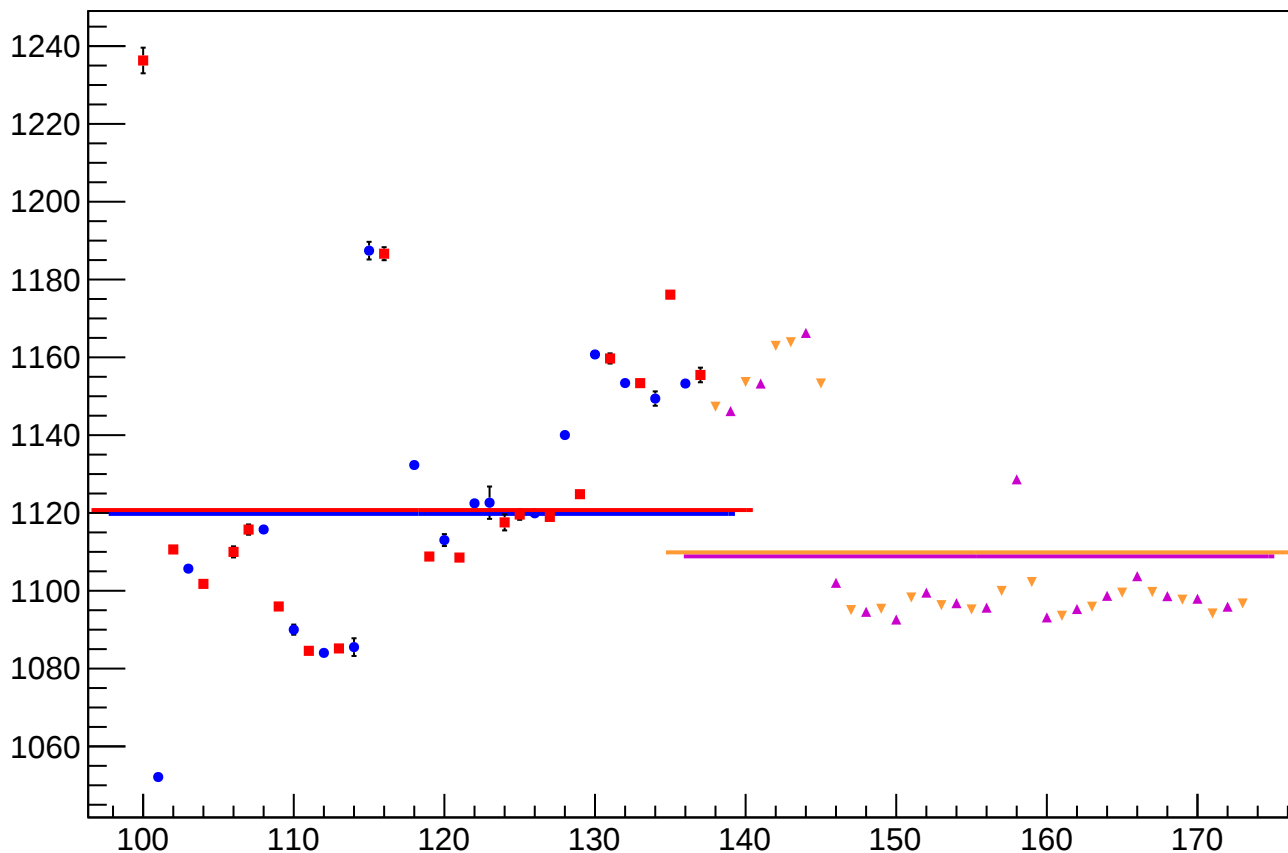
Left In: -2270.092 $\pm$ 304.513 χ^2 /NDF:24.7/16

+ sign 2278.844 $\pm$ 243.232 χ^2 /NDF: 27.9/35

All: 78.407 $\pm$ 173.088 χ^2 /NDF: 231.5/71

- sign -2179.060 $\pm$ 246.364 χ^2 /NDF: 37.8/35

reg_asym_usr_rms vs Slug



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

Left Out: 1109.874 $\pm$ 0.208 χ^2 /NDF:13773.7/18

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

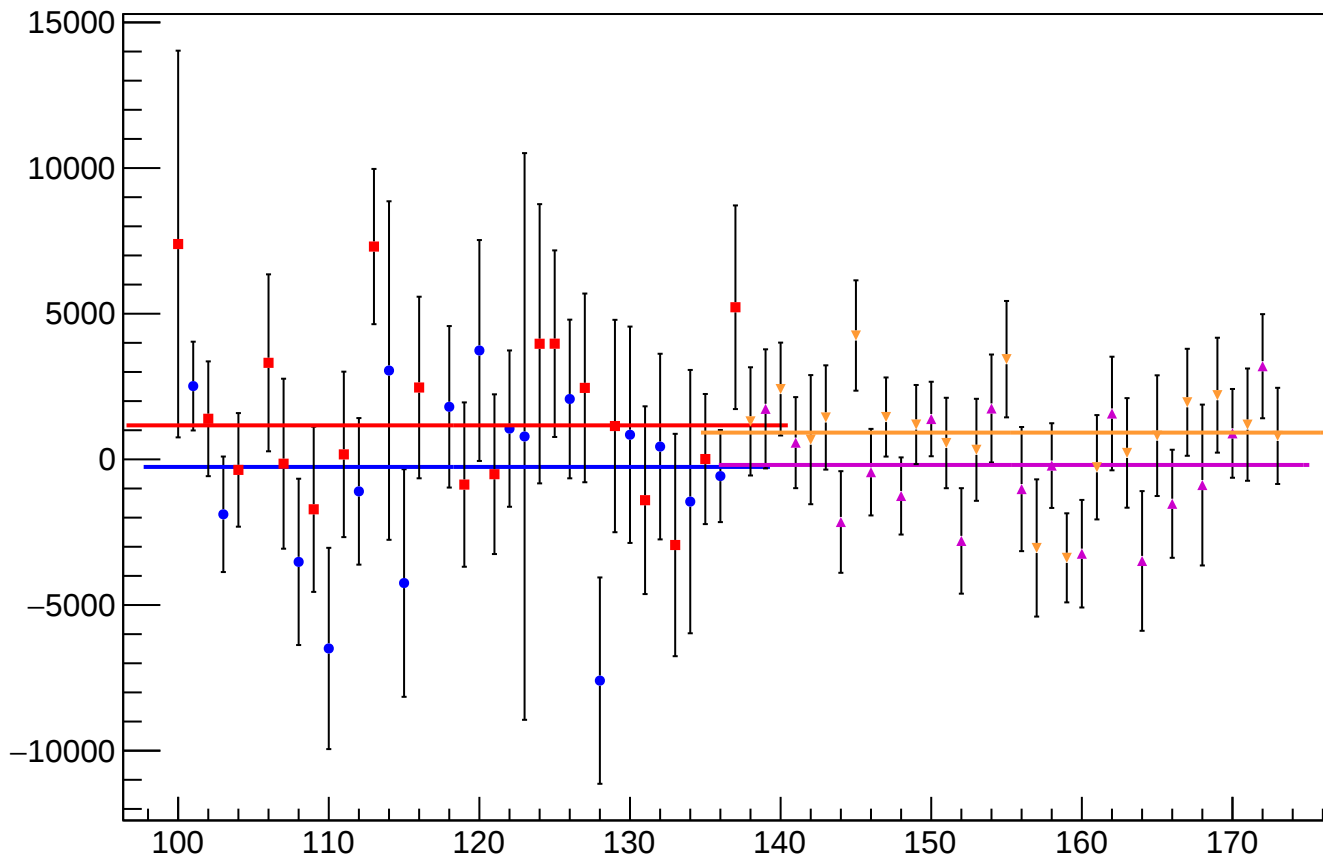
Left In: 1108.852 $\pm$ 0.215 χ^2 /NDF:11177.5/16

+ sign 1112.985 $\pm$ 0.172 χ^2 /NDF: 26363.5/35

All: 1112.973 $\pm$ 0.122 χ^2 /NDF: 48529.2/71

- sign 1112.961 $\pm$ 0.174 χ^2 /NDF: 22165.7/35

asym_usr_correction_mean vs Slug



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

Left Out: 918.667 ± 402.270 χ^2/NDF : 18.2/18

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

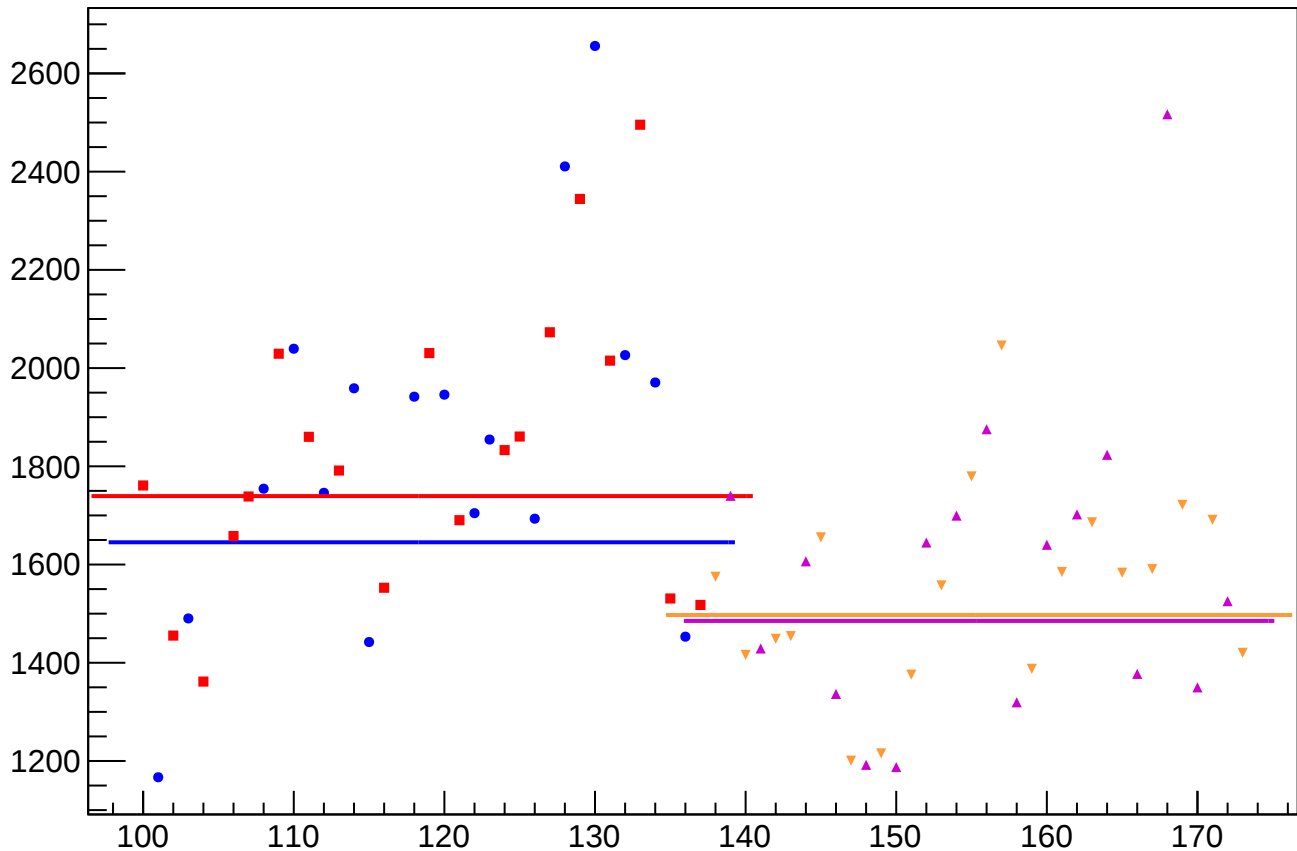
Left In: -191.540 ± 415.311 χ^2/NDF : 18.0/16

+ sign 596.099 ± 342.825 χ^2/NDF : 37.7/35

All: 399.291 ± 245.551 χ^2/NDF : 73.8/71

- sign 191.956 ± 351.874 χ^2/NDF : 35.5/35

asym_usr_correction_rms vs Slug



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

Left Out: 1497.223+/-0.284 χ^2/NDF : 463565.4/18

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

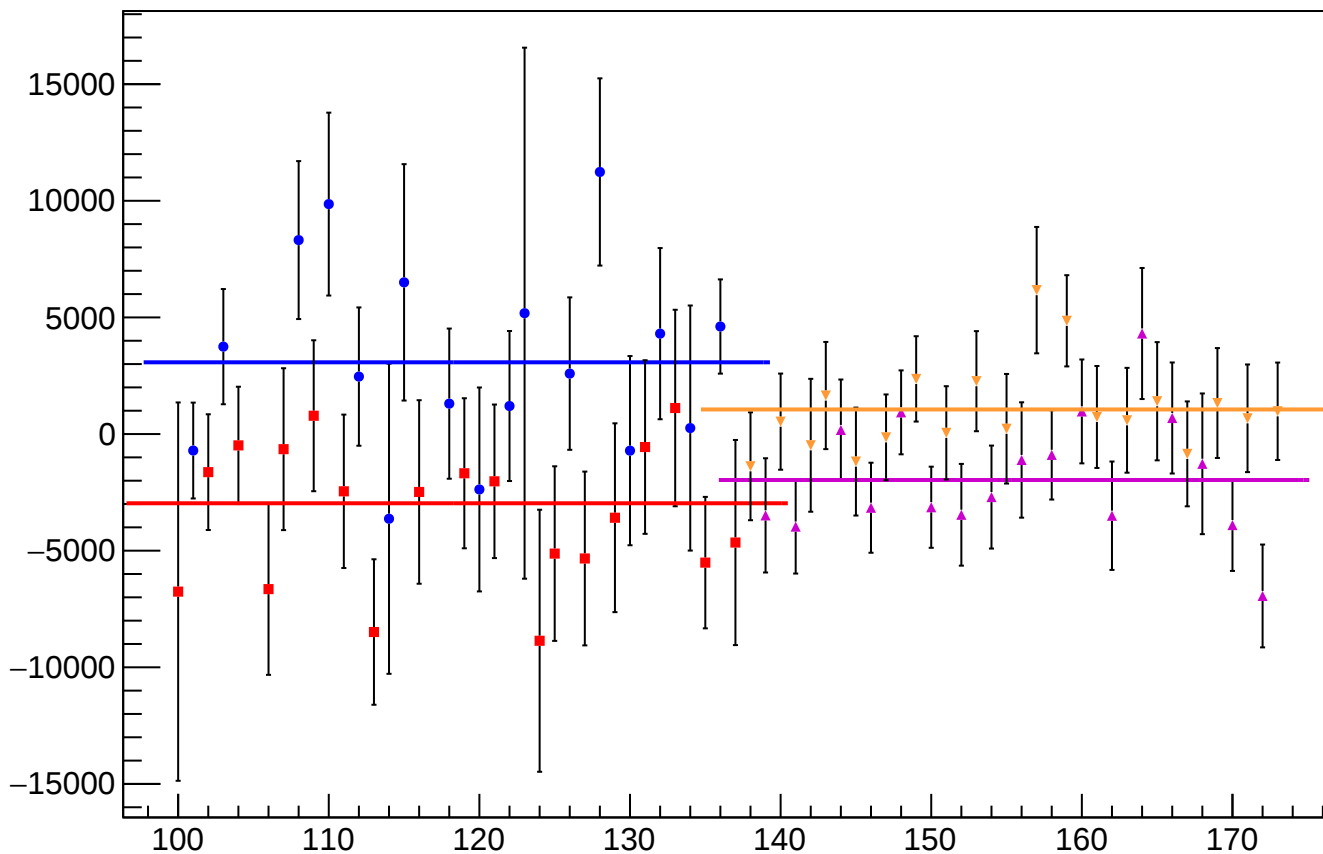
Left In: 1485.184+/-0.294 χ^2/NDF : 786421.5/16

+ sign 1537.755+/-0.242 χ^2/NDF : 1138663.6/35

All: 1547.083+/-0.174 χ^2/NDF : 2510546.4/71

- sign 1556.909+/-0.249 χ^2/NDF : 1368842.8/35

asym_usr_mean vs Slug



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

Left Out: 1054.091 $\pm$ 505.015 χ^2 /NDF:12.3/18

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

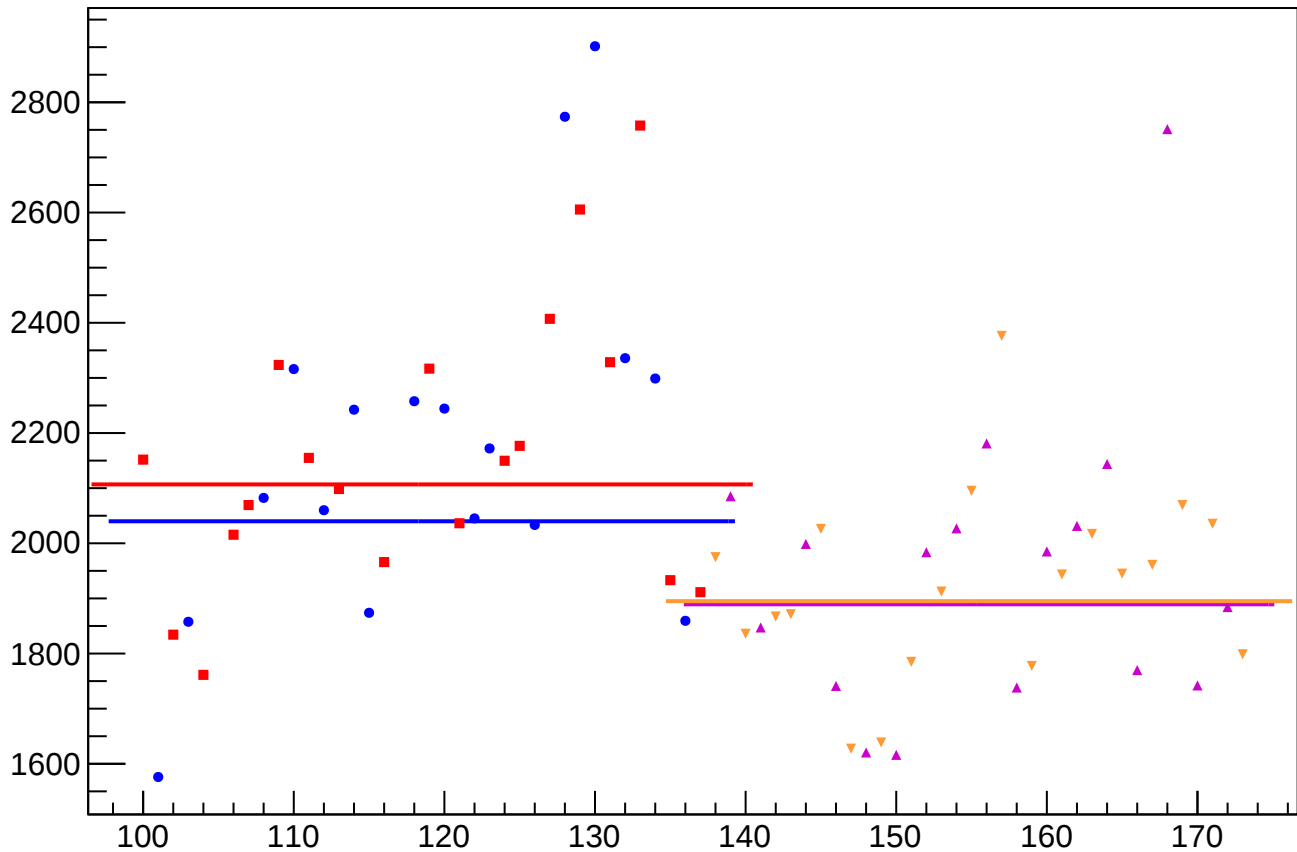
Left In: -1969.929 $\pm$ 523.293 χ^2 /NDF:21.3/16

+ sign 1627.750 $\pm$ 427.386 χ^2 /NDF: 35.4/35

All: -277.423 $\pm$ 305.620 χ^2 /NDF: 110.4/71

- sign -2271.161 $\pm$ 437.207 χ^2 /NDF: 34.3/35

asym_usr_rms vs Slug



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

Left Out: 1894.995 ± 0.357 χ^2/NDF : 215516.8/18

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

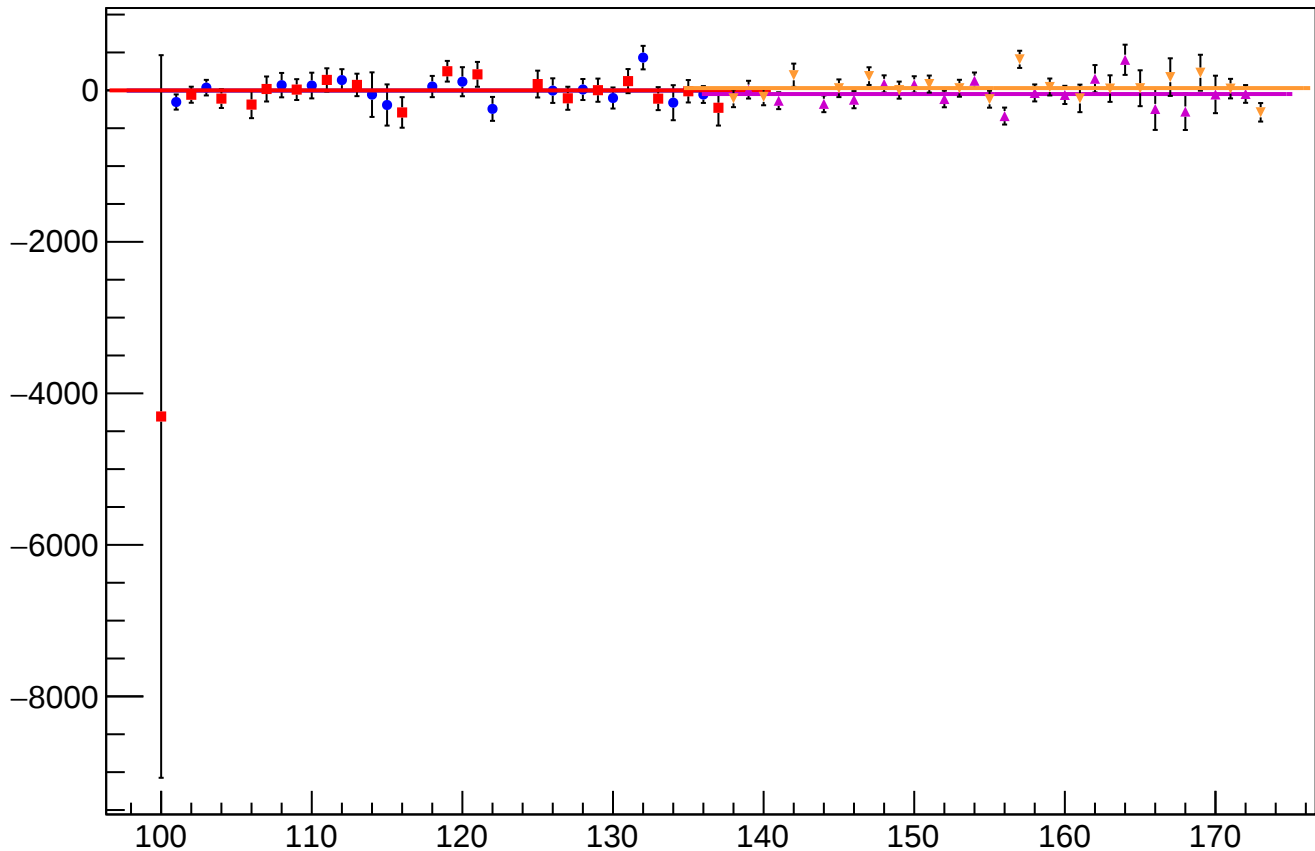
Left In: 1889.289 ± 0.370 χ^2/NDF : 383673.6/16

+ sign 1936.132 ± 0.302 χ^2/NDF : 594259.0/35

All: 1945.340 ± 0.216 χ^2/NDF : 1279651.4/71

- sign 1954.977 ± 0.309 χ^2/NDF : 683492.4/35

reg_asym_dsl_mean vs Slug



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

Left Out: 29.664 ± 30.709 χ^2/NDF : 27.1/17

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

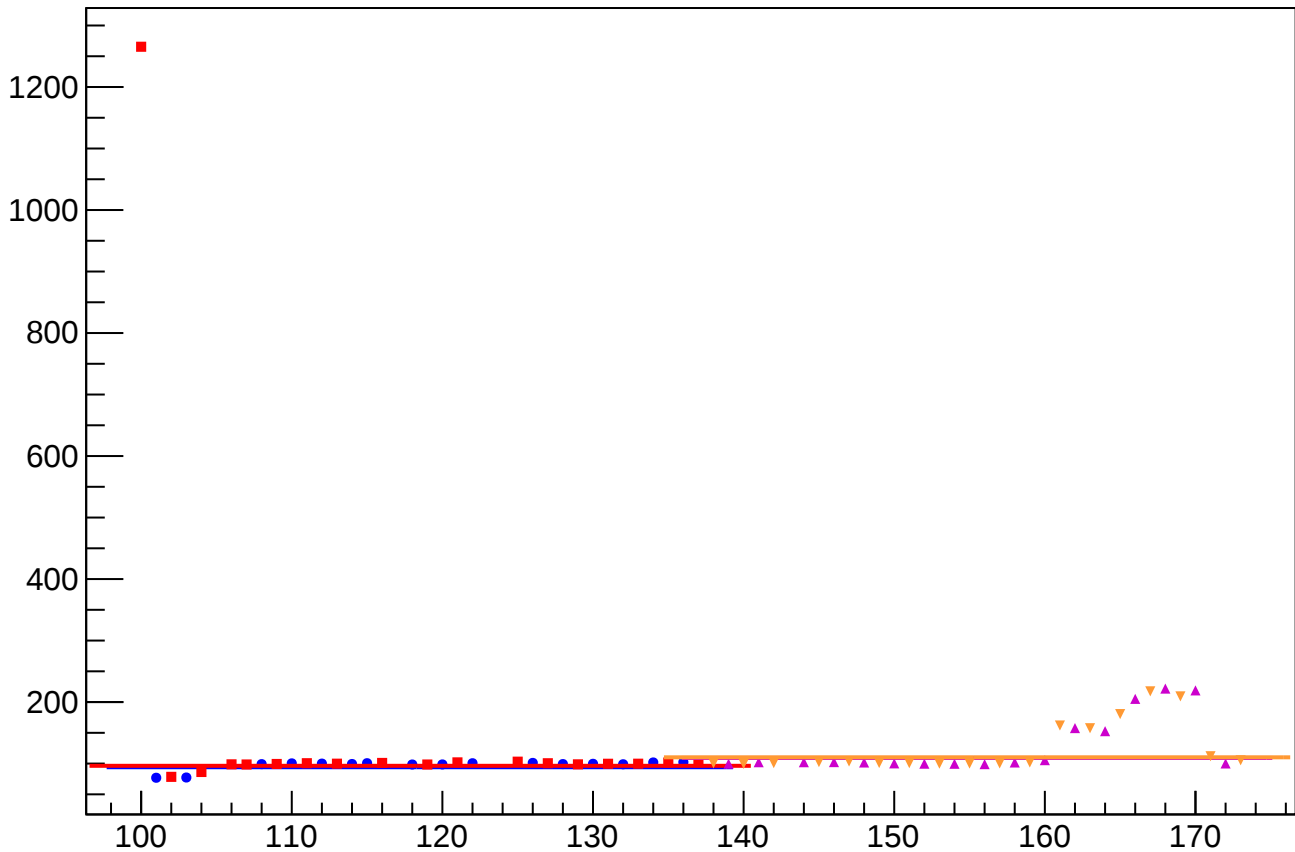
Left In: -48.930 ± 30.866 χ^2/NDF : 23.0/16

+ sign 16.102 ± 23.555 χ^2/NDF : 43.8/33

All: -6.315 ± 16.679 χ^2/NDF : 83.6/68

- sign -28.860 ± 23.622 χ^2/NDF : 38.0/34

reg_asym_dsl_rms vs Slug



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

Left Out: 110.174 $\pm$ 0.022 χ^2 /NDF: 1354761.9/17

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

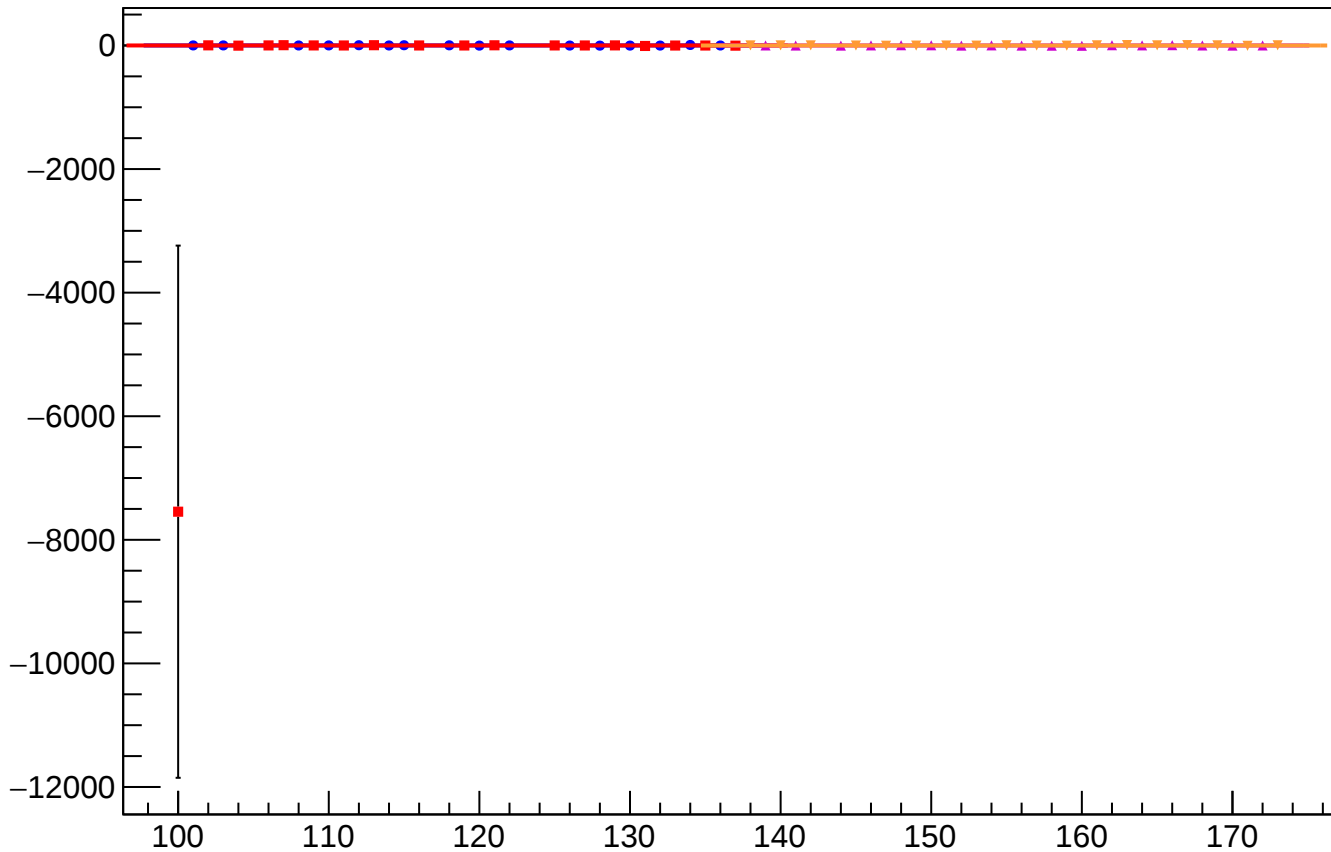
Left In: 109.165 $\pm$ 0.022 χ^2 /NDF: 1429925.2/16

+ sign 103.544 $\pm$ 0.017 χ^2 /NDF: 1733496.8/33

All: 103.704 $\pm$ 0.012 χ^2 /NDF: 3515185.8/68

- sign 103.865 $\pm$ 0.017 χ^2 /NDF: 1781504.0/34

asym_dsl_correction_mean vs Slug



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

Left Out: -0.405 $\pm$ 0.543 χ^2 /NDF: 26.8/17

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

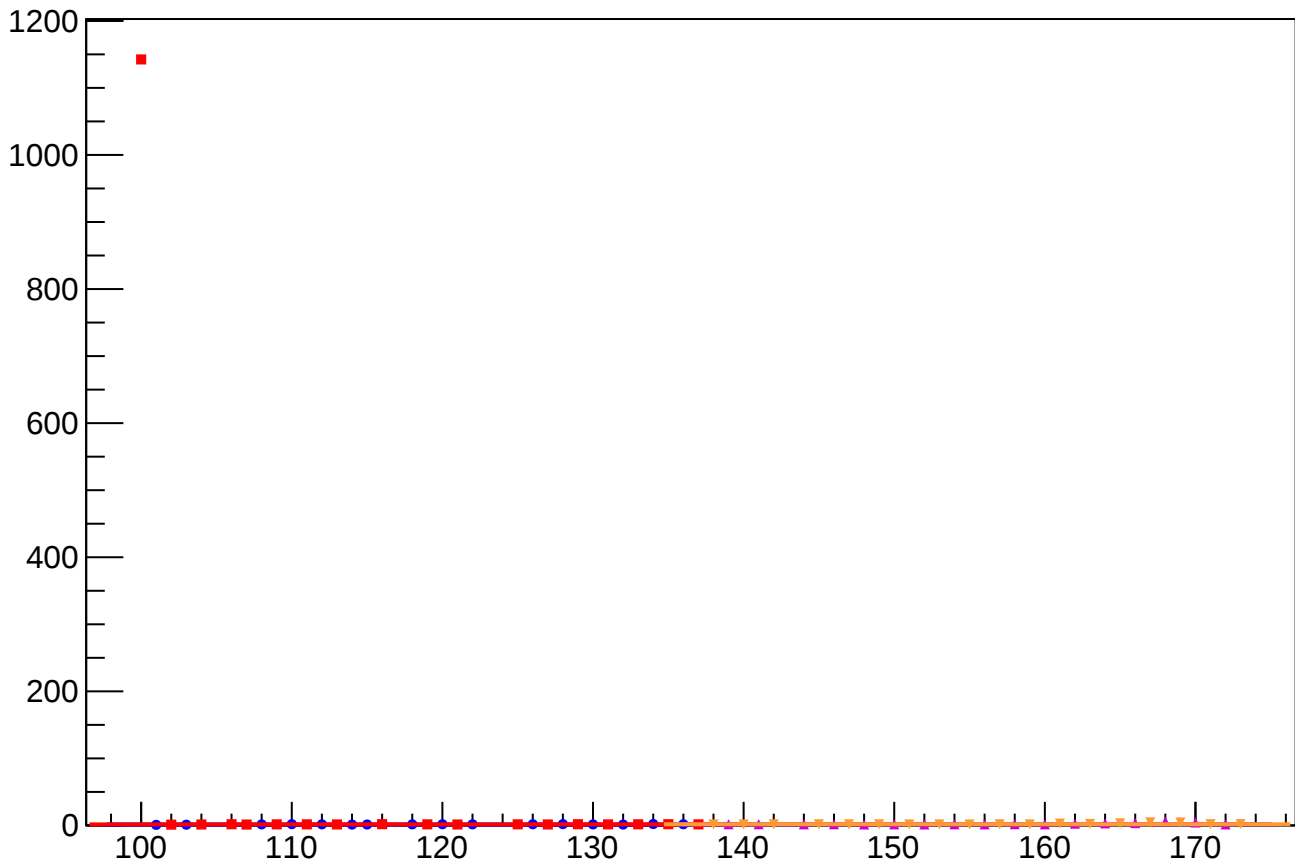
Left In: 0.096 $\pm$ 0.565 χ^2 /NDF: 21.1/16

+ sign -0.042 $\pm$ 0.407 χ^2 /NDF: 37.6/33

All: 0.069 $\pm$ 0.294 χ^2 /NDF: 81.6/68

- sign 0.190 $\pm$ 0.424 χ^2 /NDF: 43.9/34

asym_dsl_correction_rms vs Slug



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

Left Out: 1.750 $\pm$ 0.000 χ^2 /NDF:1481318.3/17

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

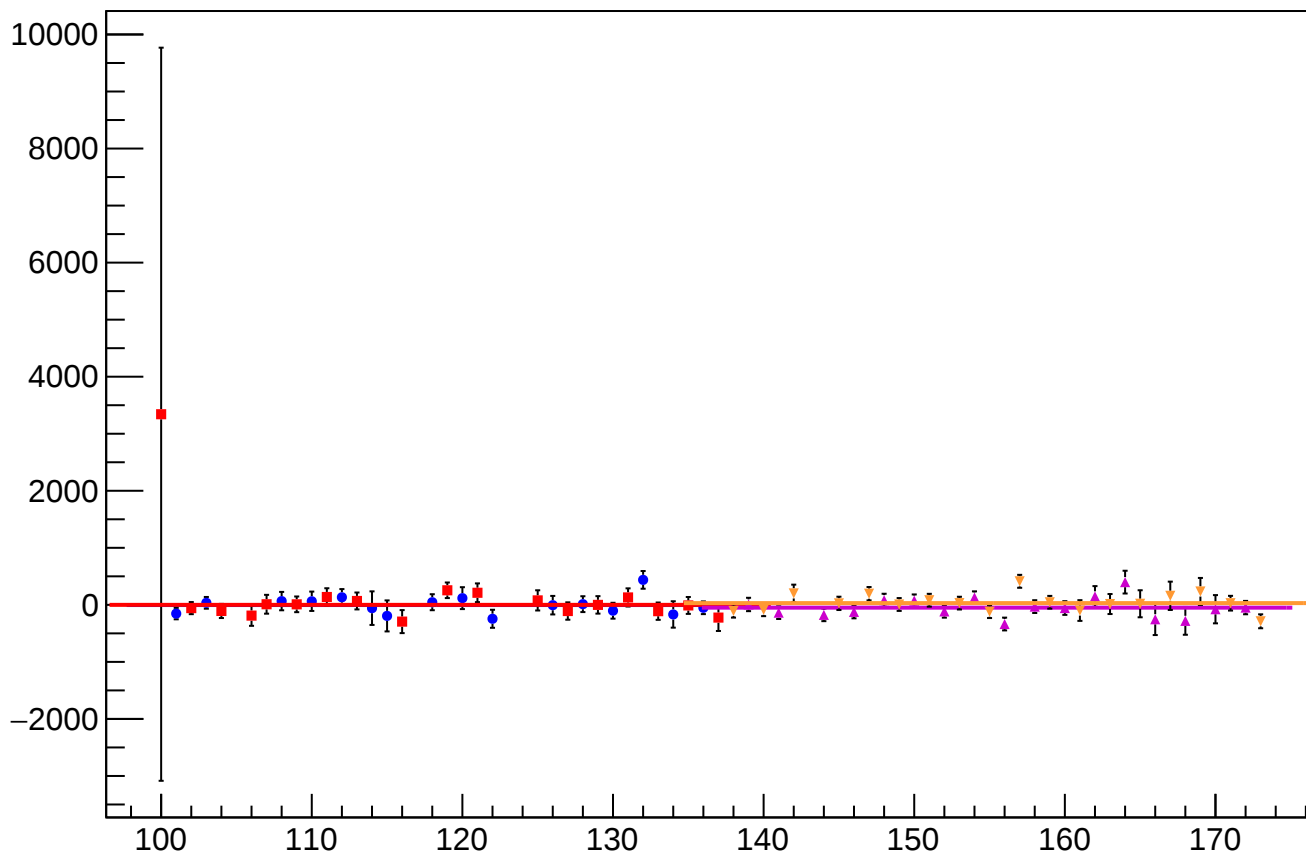
Left In: 1.817 $\pm$ 0.000 χ^2 /NDF:1785379.2/16

+ sign 1.605 $\pm$ 0.000 χ^2 /NDF: 2535461.8/33

All: 1.652 $\pm$ 0.000 χ^2 /NDF: 4878455.8/68

- sign 1.703 $\pm$ 0.000 χ^2 /NDF: 2287738.1/34

asym_dsl_mean vs Slug



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

Left Out: 30.644 ± 30.718 χ^2/NDF : 27.4/17

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

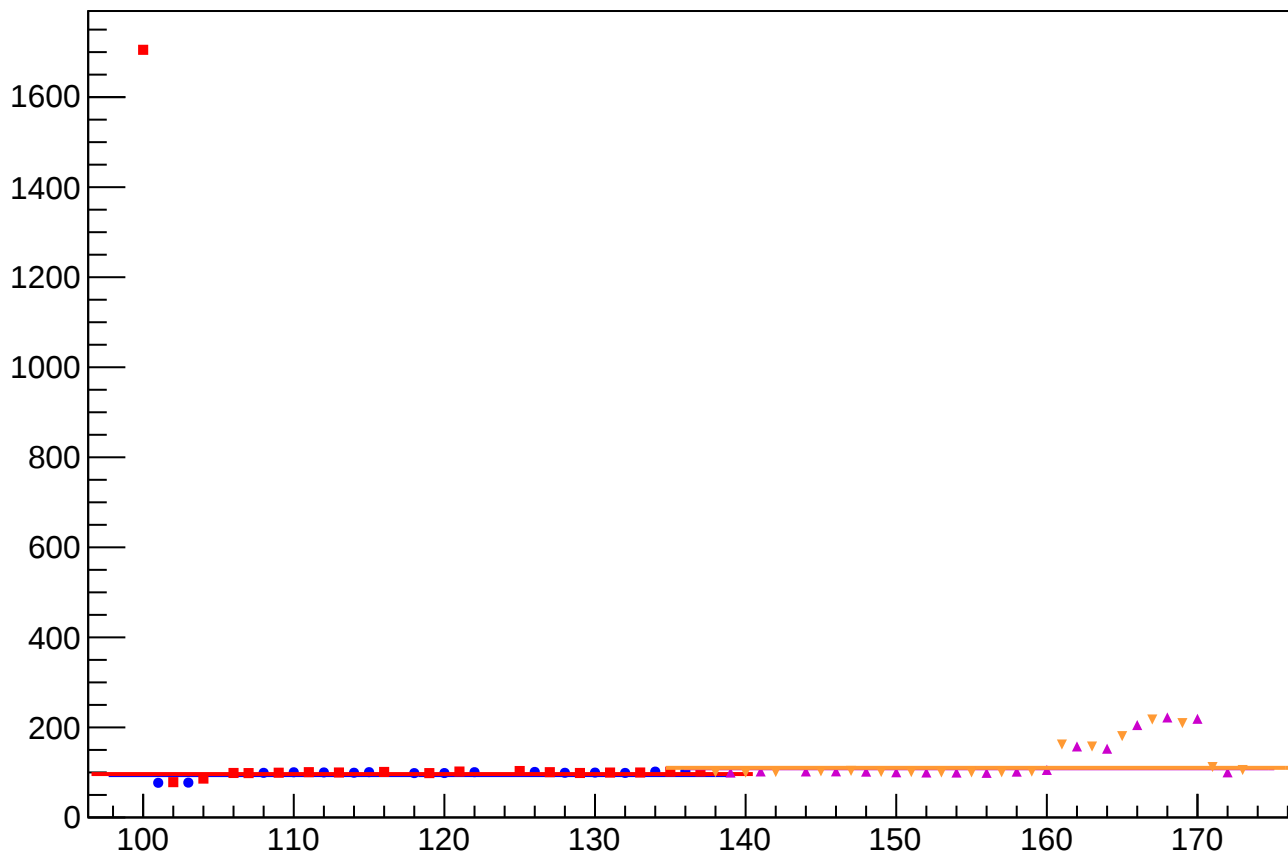
Left In: -49.246 ± 30.875 χ^2/NDF : 22.5/16

+ sign 16.754 ± 23.562 χ^2/NDF : 44.2/33

All: -6.015 ± 16.684 χ^2/NDF : 83.2/68

- sign -28.914 ± 23.629 χ^2/NDF : 37.1/34

asym_dsl_rms vs Slug



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

Left Out: 110.204+/-0.022 χ^2/NDF : 1356095.4/17

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

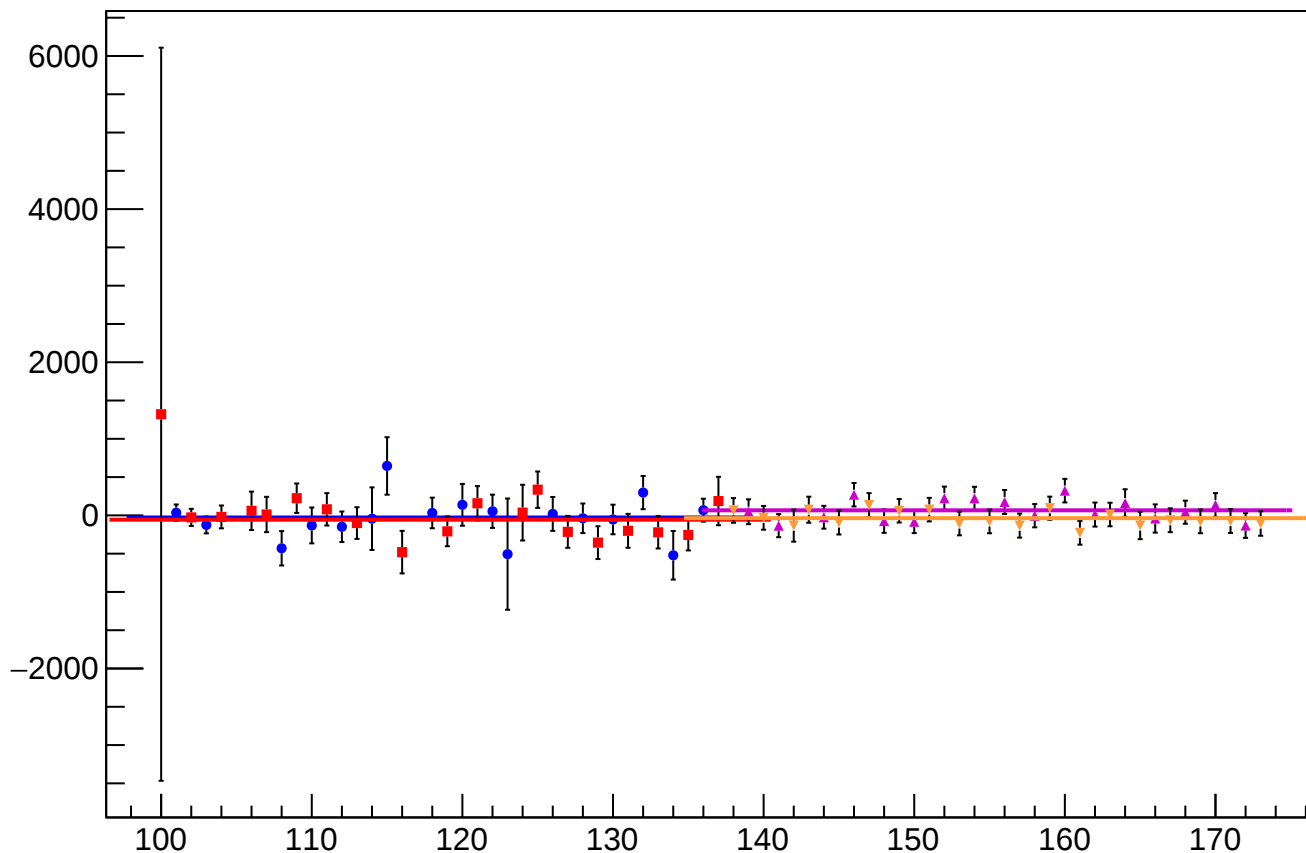
Left In: 109.195+/-0.022 χ^2/NDF : 1431195.2/16

+ sign 103.572+/-0.017 χ^2/NDF : 1734886.5/33

All: 103.728+/-0.012 χ^2/NDF : 3523358.9/68

- sign 103.886+/-0.017 χ^2/NDF : 1788294.9/34

reg_asym_dsr_mean vs Slug



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

Left Out: -36.140 ± 36.505 χ^2/NDF : 7.0/18

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

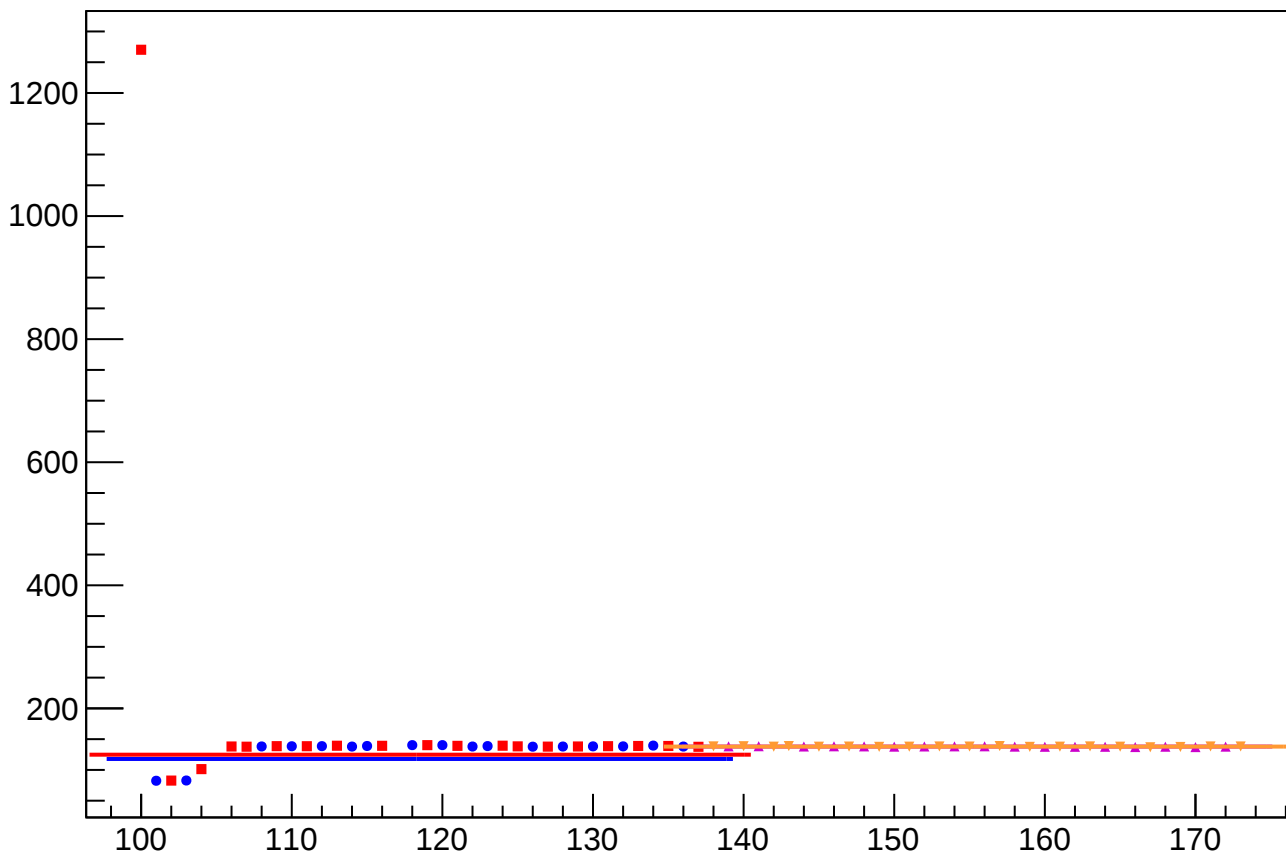
Left In: 66.203 ± 37.883 χ^2/NDF : 13.9/16

+ sign -32.998 ± 28.778 χ^2/NDF : 21.3/35

All: -7.891 ± 20.657 χ^2/NDF : 55.7/71

- sign 18.792 ± 29.668 χ^2/NDF : 32.9/35

reg_asym_dsr_rms vs Slug



Right In: 117.815 ± 0.033 χ^2/NDF : 666581.7/16

Left Out: 137.923 ± 0.026 χ^2/NDF : 329.0/18

Right Out: 124.763 ± 0.034 χ^2/NDF : 569771.6/18

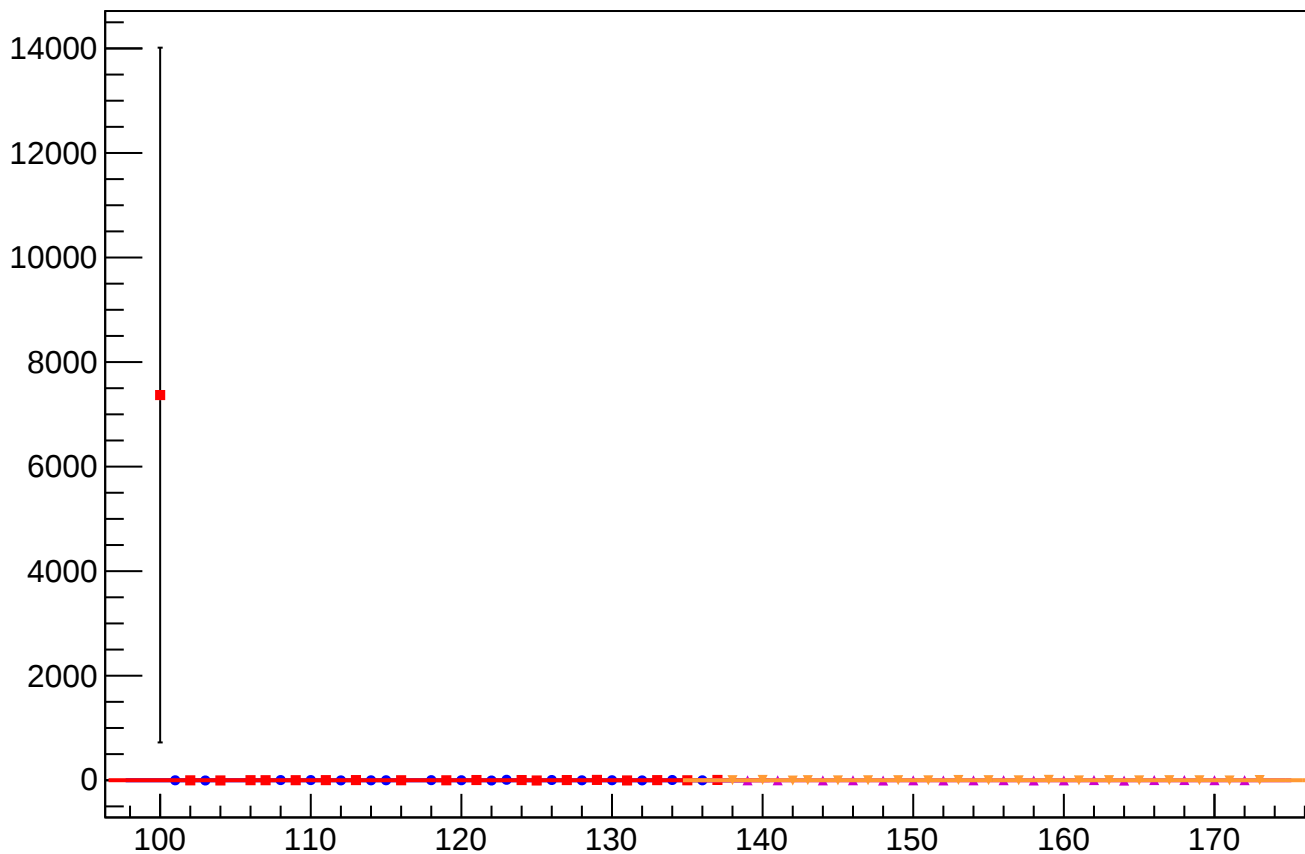
Left In: 137.969 ± 0.027 χ^2/NDF : 221.9/16

+ sign 130.312 ± 0.020 χ^2/NDF : 896606.3/35

All: 131.548 ± 0.015 χ^2/NDF : 1568200.3/71

- sign 132.863 ± 0.021 χ^2/NDF : 663977.8/35

asym_dsr_correction_mean vs Slug



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

Left Out: 0.367 ± 0.637 χ^2/NDF : 24.2/18

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

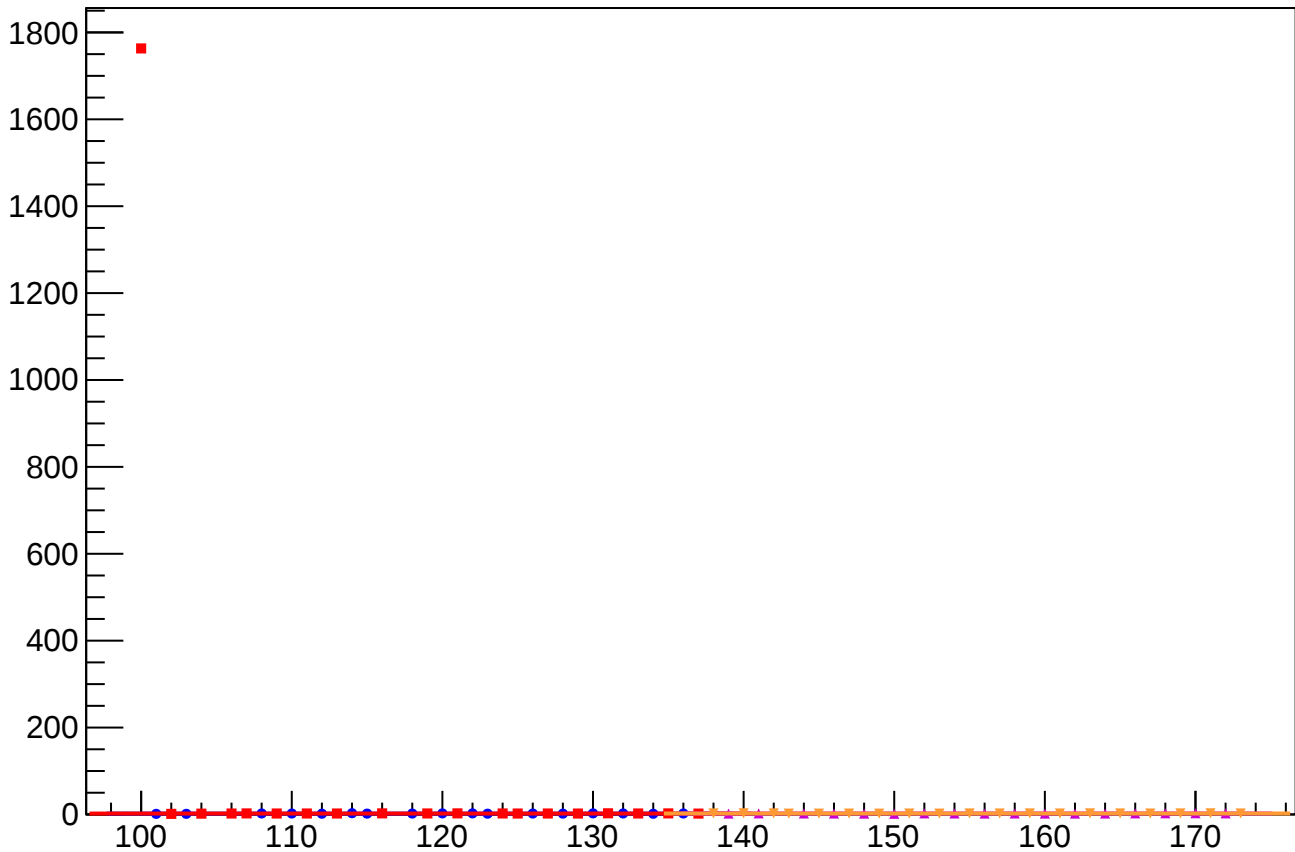
Left In: -0.506 ± 0.662 χ^2/NDF : 16.6/16

+ sign -0.039 ± 0.501 χ^2/NDF : 37.9/35

All: -0.054 ± 0.362 χ^2/NDF : 69.4/71

- sign -0.071 ± 0.522 χ^2/NDF : 31.4/35

asym_dsr_correction_rms vs Slug



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

Left Out: 2.212 $\pm$ 0.000 χ^2 /NDF:258972.5/18

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

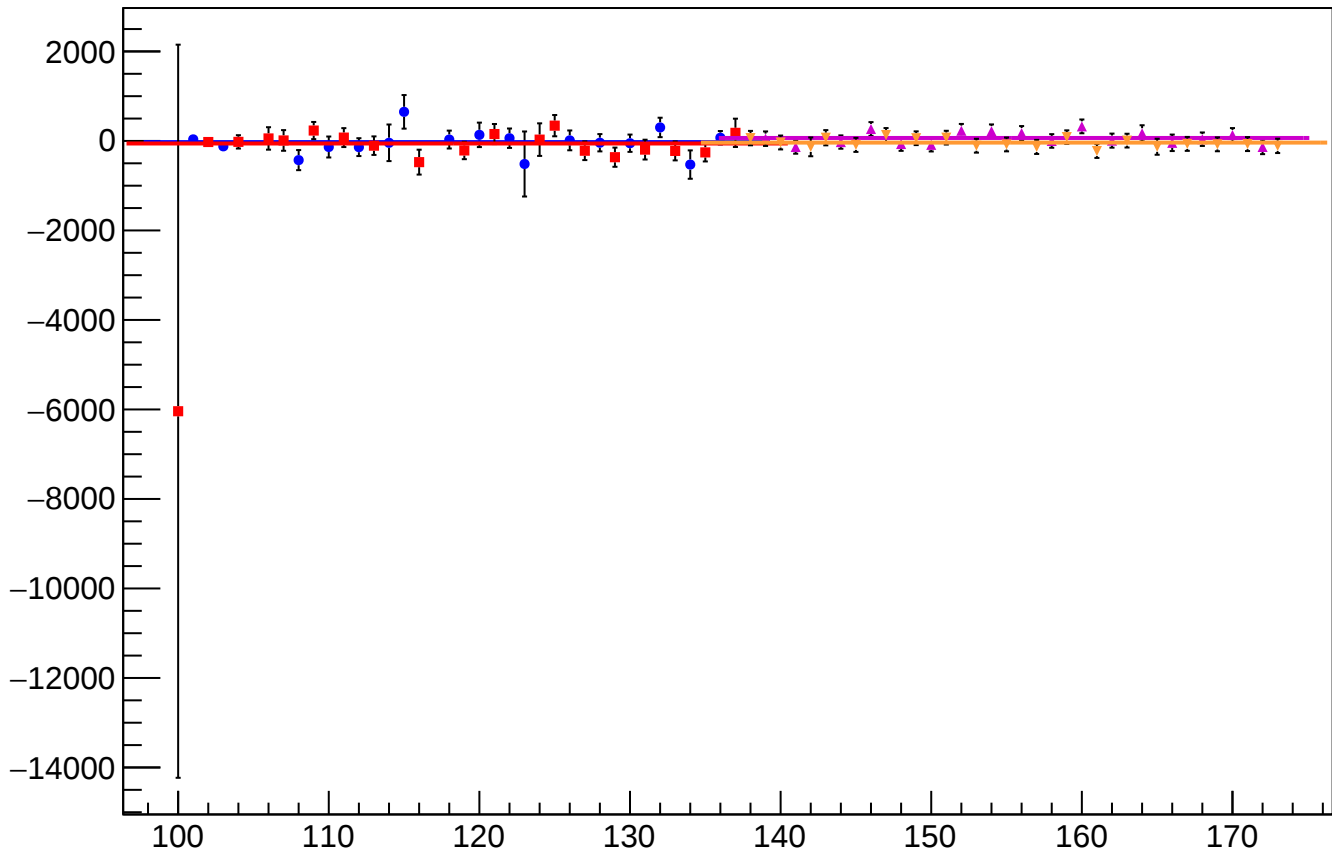
Left In: 2.174 $\pm$ 0.000 χ^2 /NDF:466357.2/16

+ sign 2.081 $\pm$ 0.000 χ^2 /NDF: 973926.4/35

All: 2.106 $\pm$ 0.000 χ^2 /NDF: 1996508.6/71

- sign 2.133 $\pm$ 0.000 χ^2 /NDF: 1012305.4/35

asym_dsr_mean vs Slug



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

Left Out: -37.021 ± 36.515 χ^2/NDF : 6.7/18

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

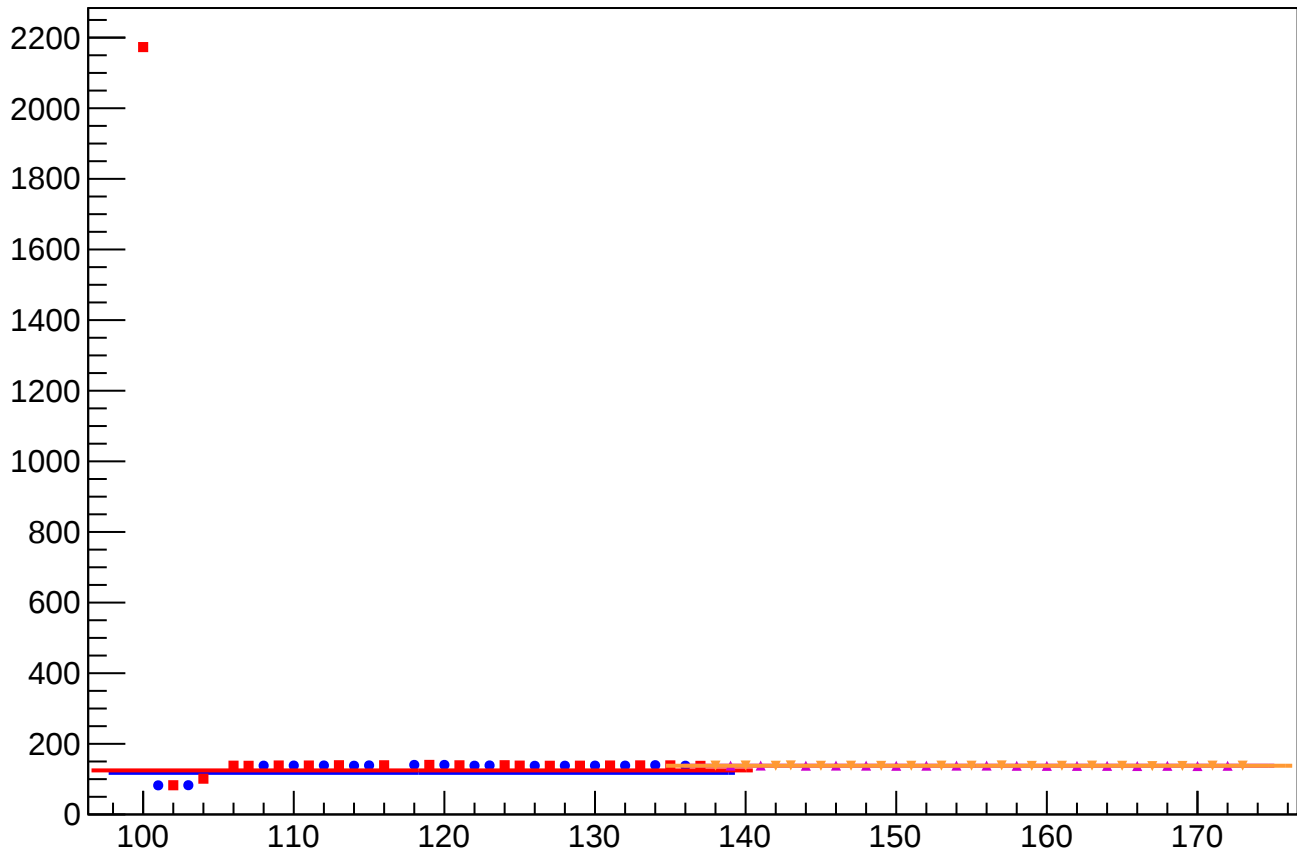
Left In: 66.301 ± 37.894 χ^2/NDF : 14.0/16

+ sign -32.948 ± 28.786 χ^2/NDF : 21.1/35

All: -7.999 ± 20.662 χ^2/NDF : 56.2/71

- sign 18.517 ± 29.676 χ^2/NDF : 33.6/35

asym_dsr_rms vs Slug



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

Left Out: 137.960 $\pm$ 0.026 χ^2 /NDF: 328.9/18

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

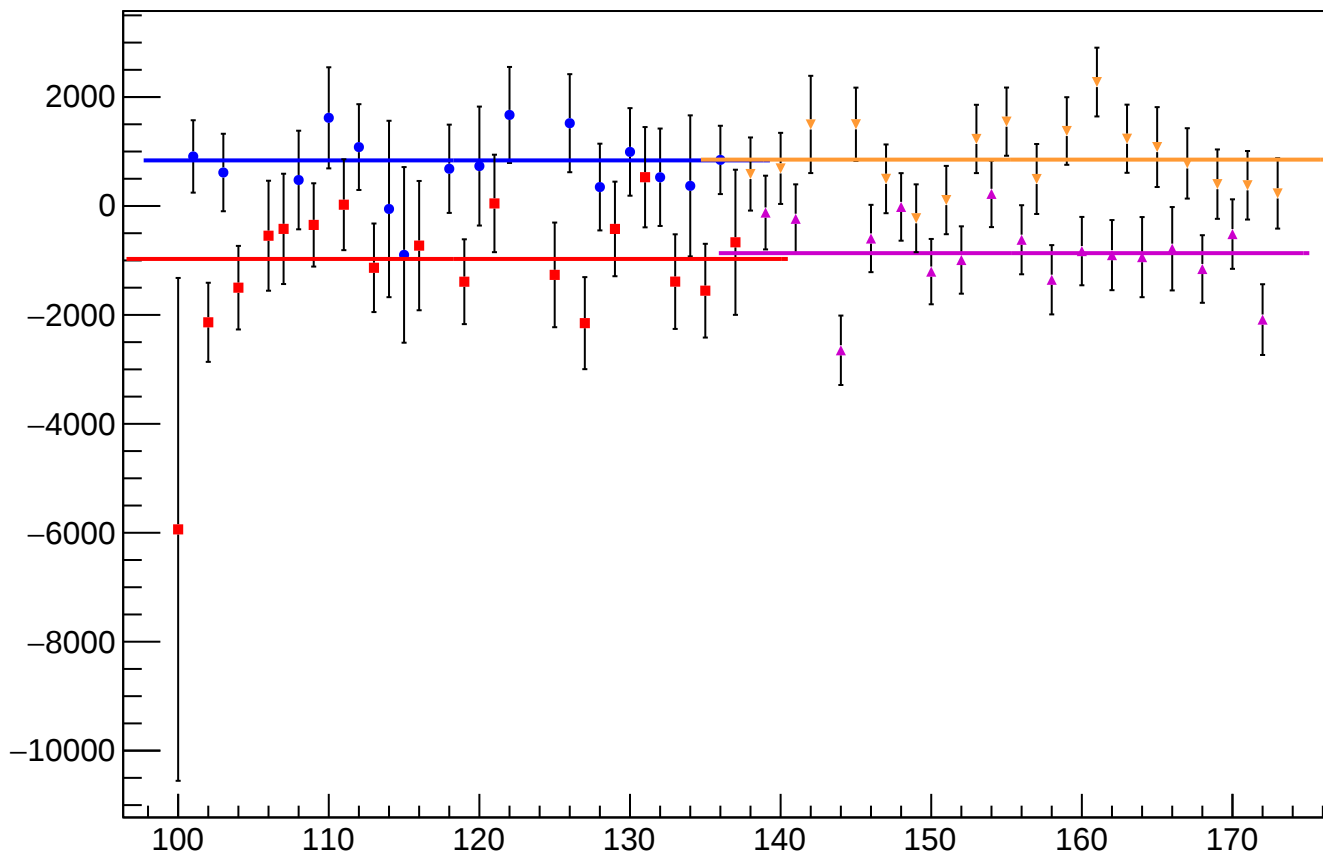
Left In: 138.009 $\pm$ 0.027 χ^2 /NDF: 218.4/16

+ sign 130.347 $\pm$ 0.020 χ^2 /NDF: 896642.6/35

All: 131.576 $\pm$ 0.015 χ^2 /NDF: 1579374.5/71

- sign 132.882 $\pm$ 0.021 χ^2 /NDF: 675211.0/35

reg_asym_left_avg_mean vs Slug



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

Left Out: 851.325+/-153.440 χ^2/NDF : 16.6/17

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

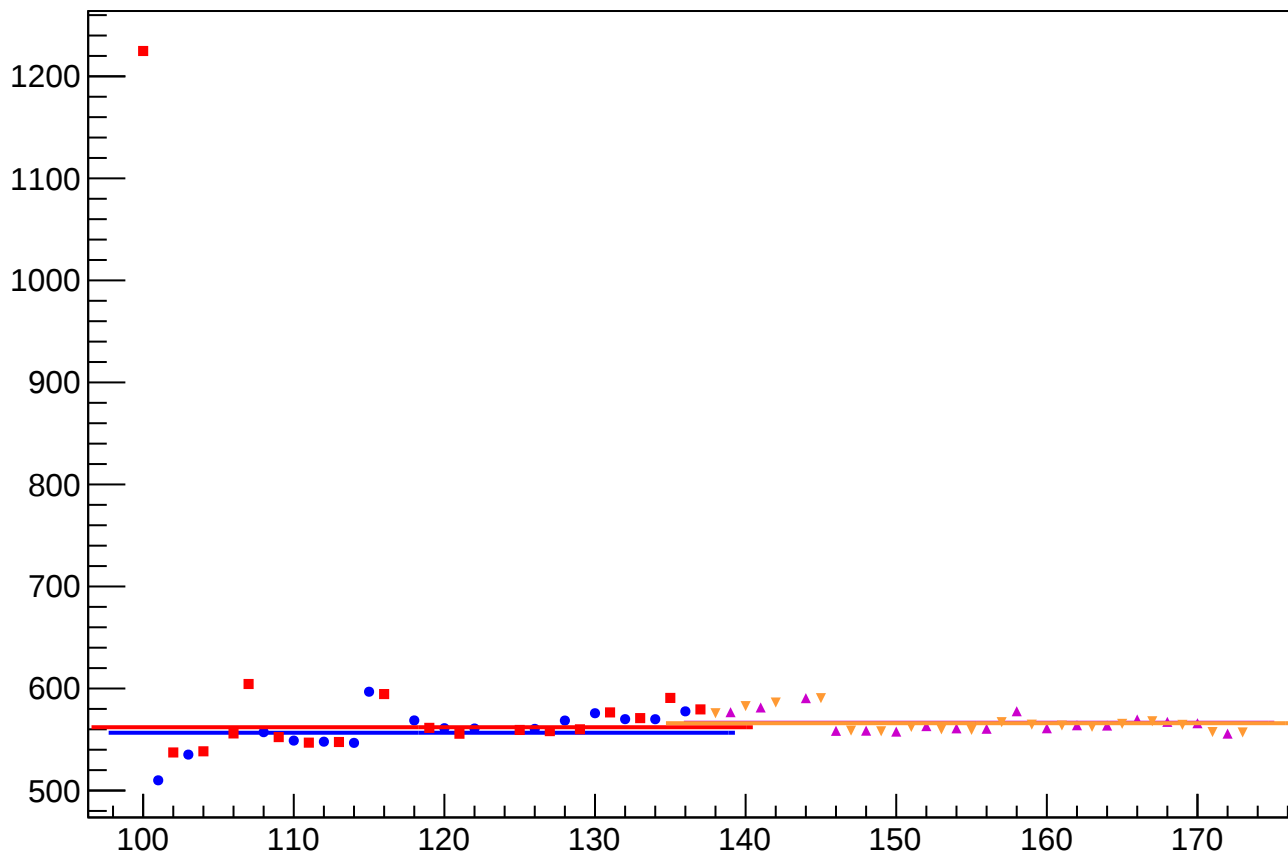
Left In: -865.916+/-155.552 χ^2/NDF : 20.5/16

+ sign 846.542+/-125.125 χ^2/NDF : 21.3/33

All: -25.150+/-88.633 χ^2/NDF : 153.6/68

- sign -903.020+/-125.568 χ^2/NDF : 34.9/34

reg_asym_left_avg_rms vs Slug



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

Left Out: 565.988 $\pm$ 0.108 χ^2 /NDF: 7400.8/17

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

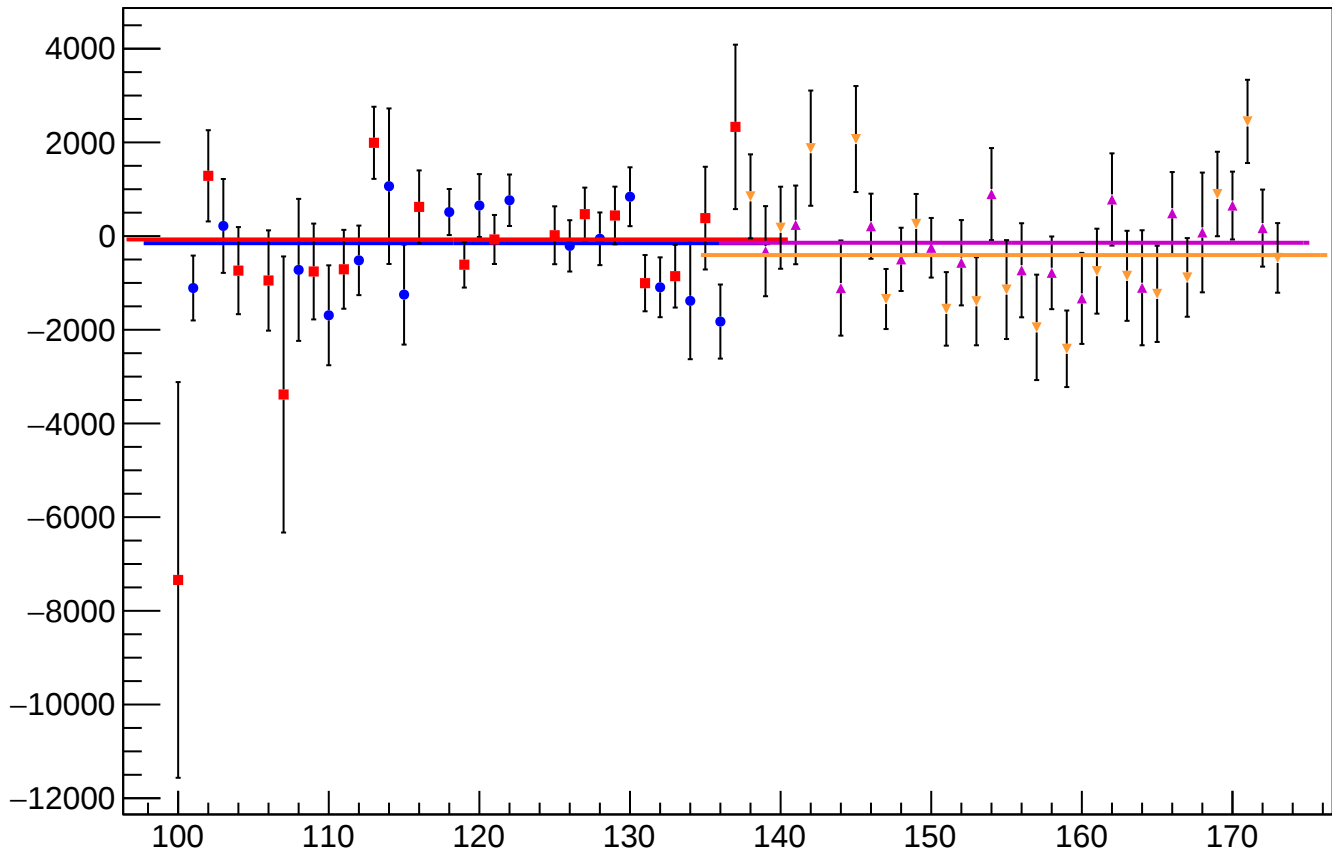
Left In: 566.468 $\pm$ 0.110 χ^2 /NDF: 7309.5/16

+ sign 562.855 $\pm$ 0.088 χ^2 /NDF: 28280.8/33

All: 563.888 $\pm$ 0.063 χ^2 /NDF: 92001.7/68

- sign 564.929 $\pm$ 0.089 χ^2 /NDF: 63447.4/34

asym_left_avg_correction_mean vs Slug



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

Left Out: -405.150 ± 205.053 χ^2/NDF : 39.2/17

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

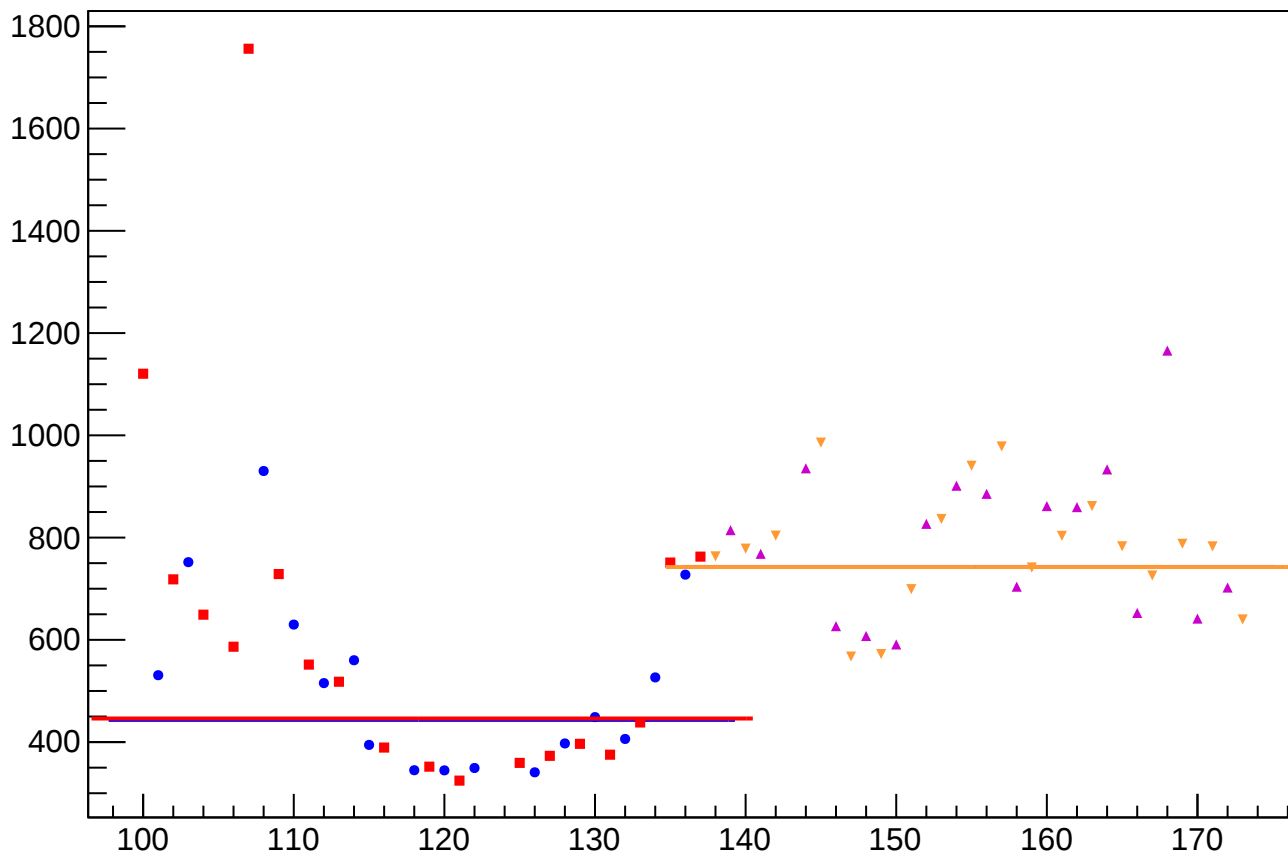
Left In: -142.533 ± 207.887 χ^2/NDF : 9.0/16

+ sign -262.158 ± 135.307 χ^2/NDF : 62.4/33

All: -182.106 ± 95.745 χ^2/NDF : 97.1/68

- sign -101.827 ± 135.499 χ^2/NDF : 34.0/34

asym_left_avg_correction_rms vs Slug



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

Left Out: 742.415 $\pm$ 0.145 χ^2 /NDF: 668236.3/17

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

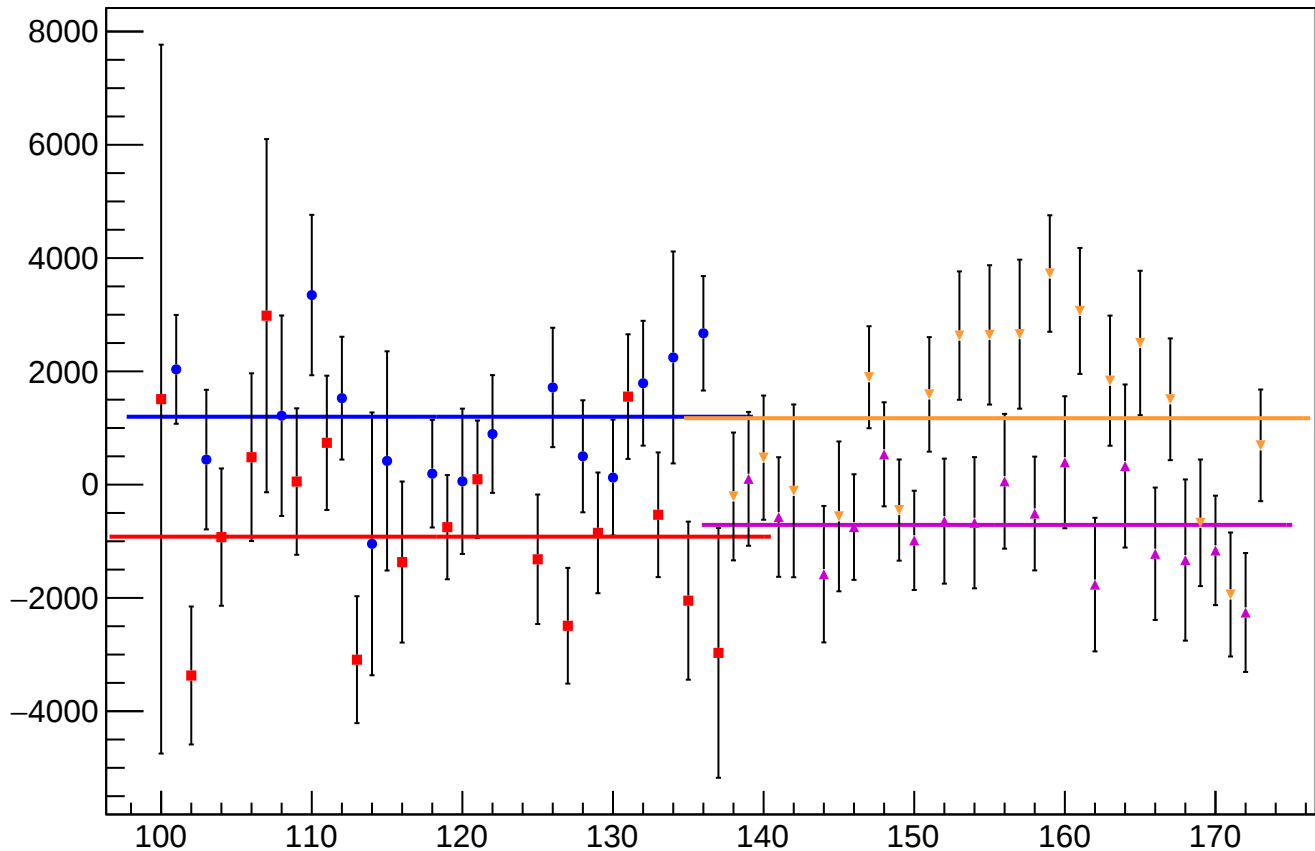
Left In: 742.559 $\pm$ 0.147 χ^2 /NDF: 839351.4/16

+ sign 573.627 $\pm$ 0.096 χ^2 /NDF: 4129439.8/33

All: 572.851 $\pm$ 0.068 χ^2 /NDF: 8767540.1/68

- sign 572.073 $\pm$ 0.096 χ^2 /NDF: 4637968.5/34

asym_left_avg_mean vs Slug



Right In: 1198.972 ± 295.243 χ^2/NDF : 11.2/15

Left Out: 1173.758 ± 260.278 χ^2/NDF : 34.4/17

Right Out: -918.412 ± 293.294 χ^2/NDF : 23.2/17

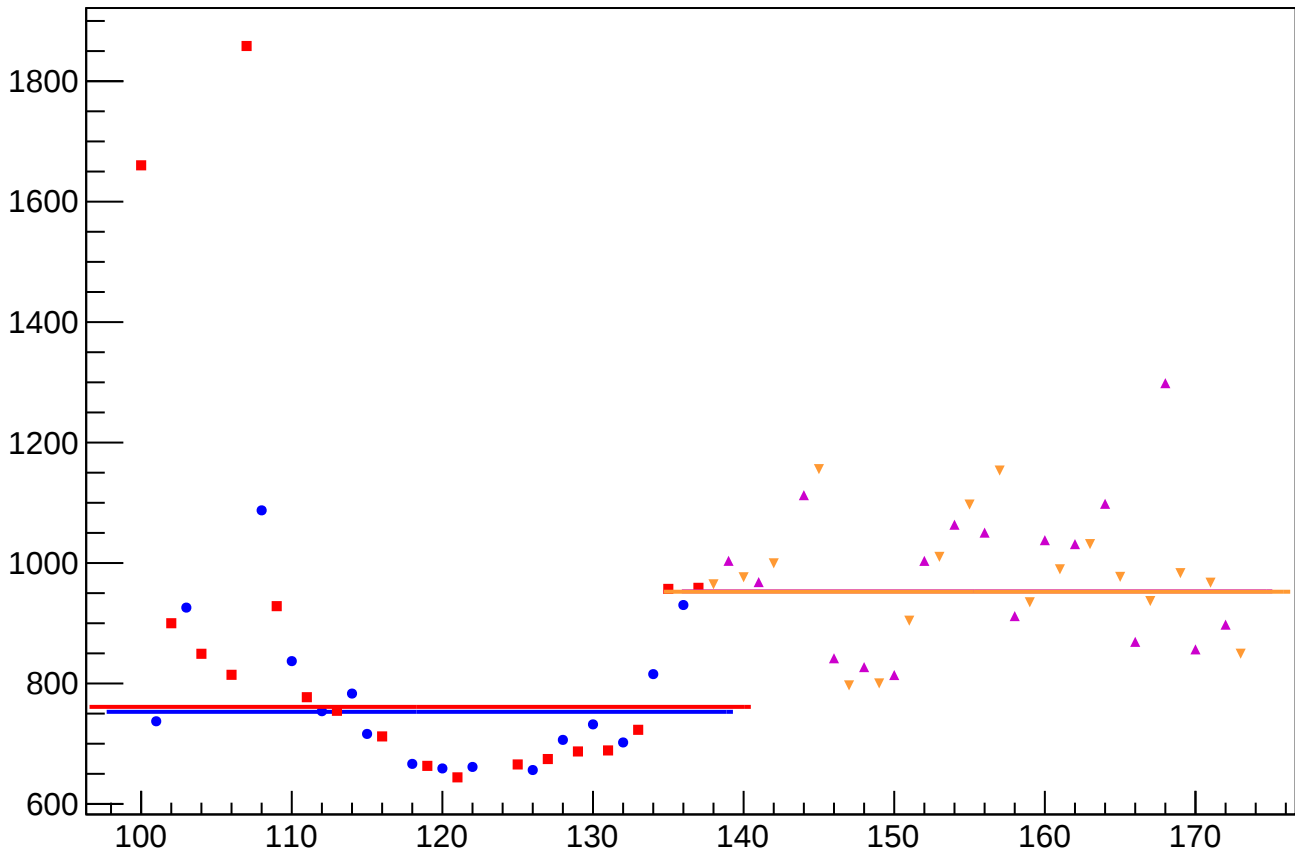
Left In: -710.324 ± 263.991 χ^2/NDF : 8.4/16

+ sign 1184.784 ± 195.242 χ^2/NDF : 45.6/33

All: 195.603 ± 138.399 χ^2/NDF : 129.1/68

- sign -803.457 ± 196.214 χ^2/NDF : 31.9/34

asym_left_avg_rms vs Slug



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

Left Out: 952.345+/-0.184 χ^2/NDF : 289647.7/17

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

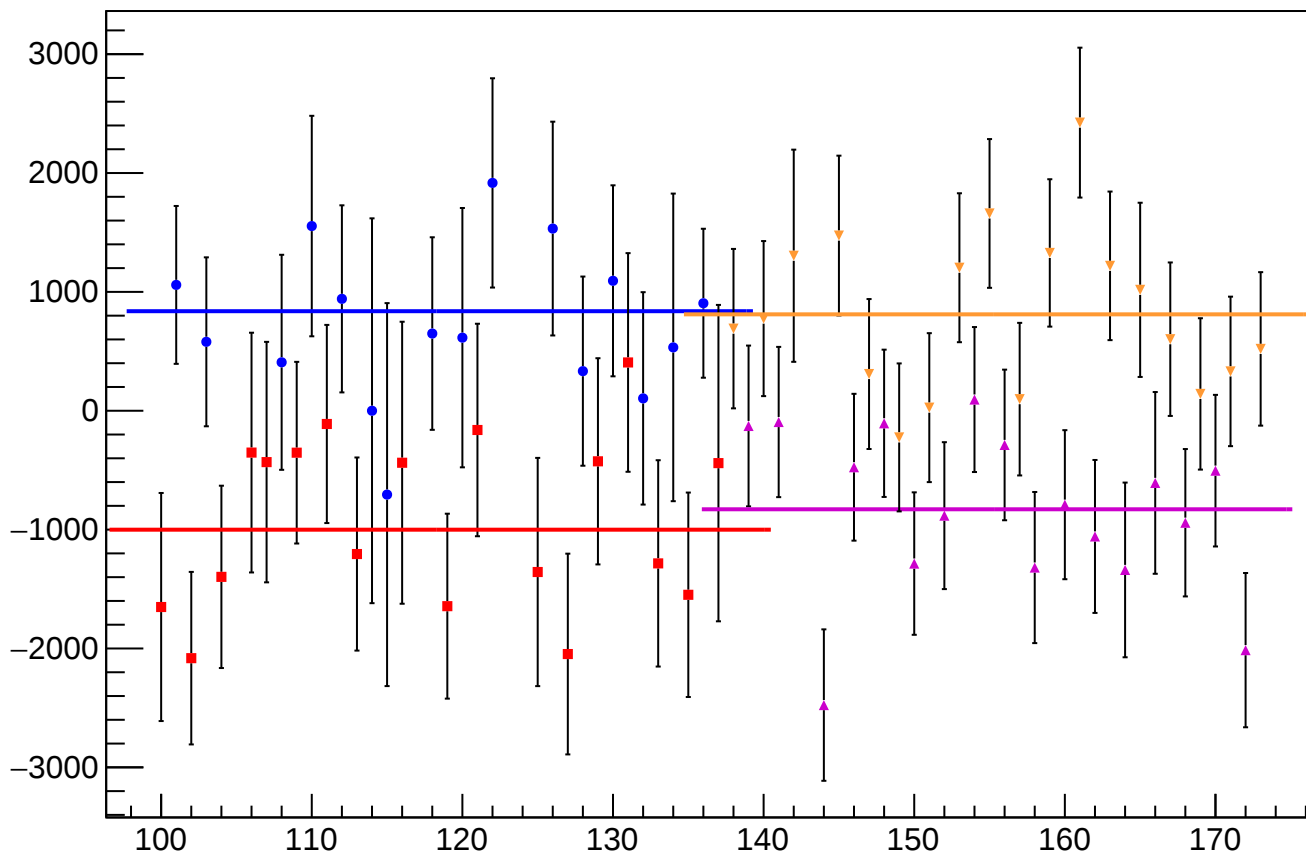
Left In: 952.940+/-0.187 χ^2/NDF : 388345.2/16

+ sign 865.143+/-0.138 χ^2/NDF : 1055538.9/33

All: 866.120+/-0.098 χ^2/NDF : 2433522.7/68

- sign 867.107+/-0.139 χ^2/NDF : 1377883.2/34

reg_asym_left_dd_mean vs Slug



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

Left Out: 811.131 ± 153.313 χ^2/NDF : 19.5/17

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

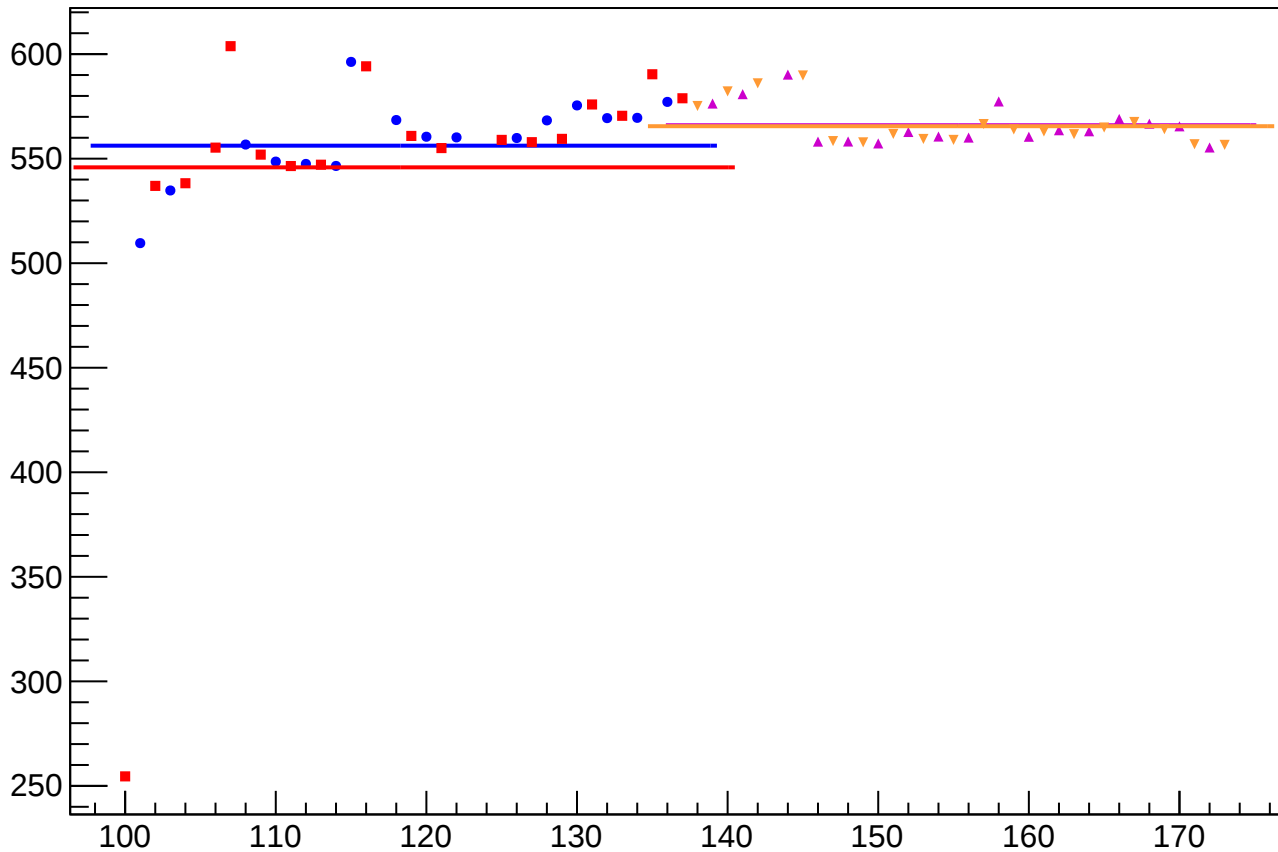
Left In: -828.934 ± 155.424 χ^2/NDF : 19.3/16

+ sign 819.983 ± 125.024 χ^2/NDF : 25.2/33

All: -39.216 ± 88.202 χ^2/NDF : 151.5/68

- sign -890.544 ± 124.450 χ^2/NDF : 32.3/34

reg_asym_left_dd_rms vs Slug



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

Left Out: 565.519 $\pm$ 0.108 χ^2 /NDF: 7336.2/17

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

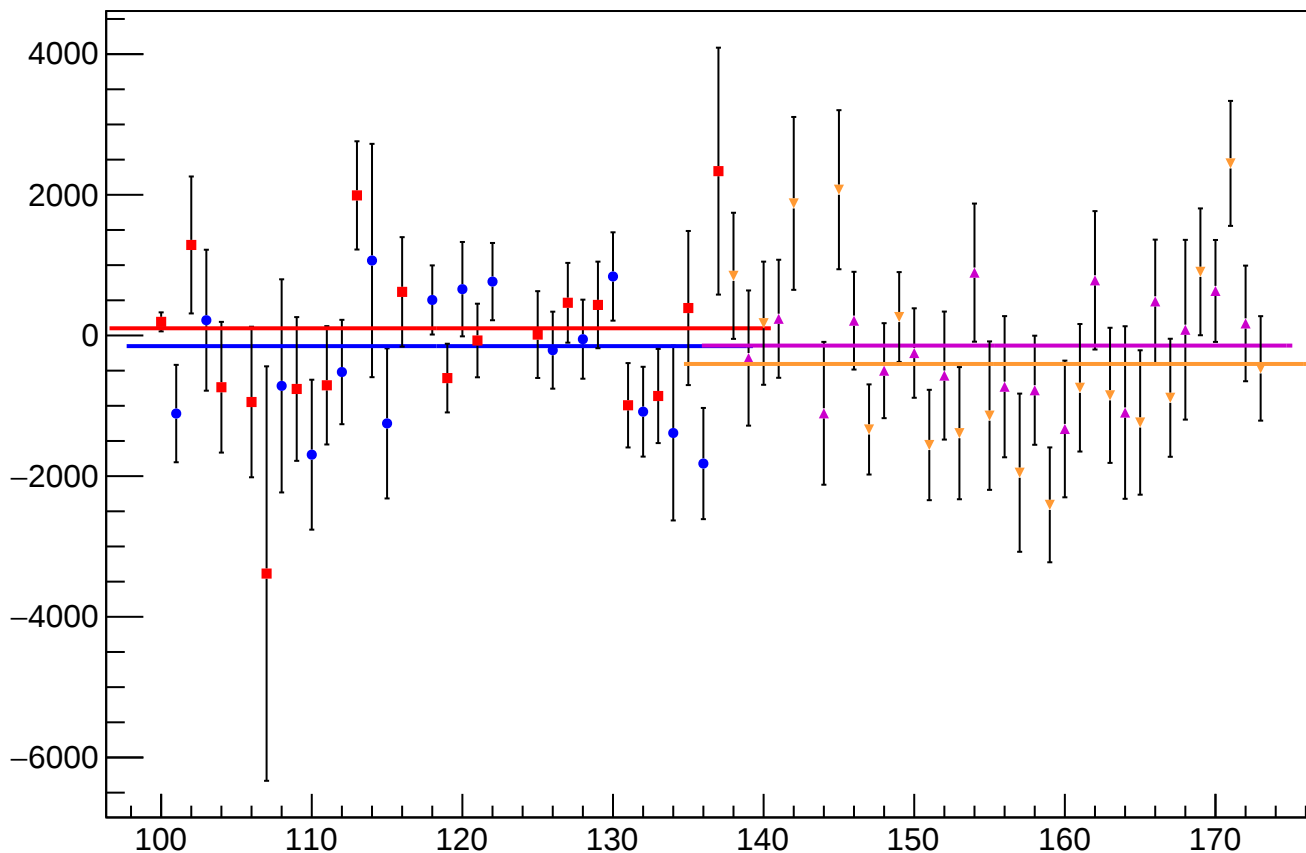
Left In: 566.001 $\pm$ 0.110 χ^2 /NDF: 7337.8/16

+ sign 562.401 $\pm$ 0.088 χ^2 /NDF: 28223.6/33

All: 560.576 $\pm$ 0.062 χ^2 /NDF: 256121.0/68

- sign 558.768 $\pm$ 0.088 χ^2 /NDF: 227048.9/34

asym_left_dd_correction_mean vs Slug



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

Left Out: -405.014+/-204.967 χ^2/NDF : 39.2/17

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

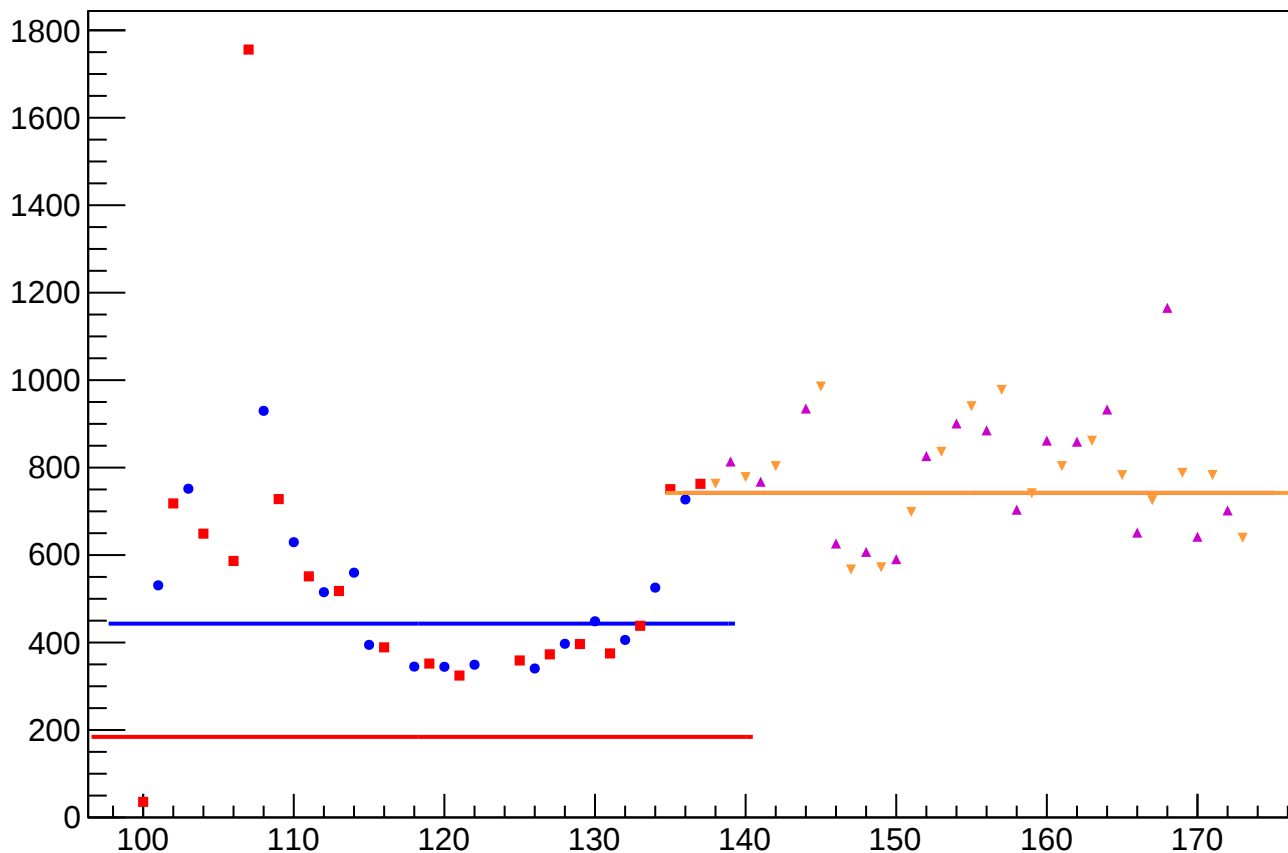
Left In: -143.749+/-207.793 χ^2/NDF : 8.9/16

+ sign -261.855+/-135.246 χ^2/NDF : 62.4/33

All: -53.926+/-78.079 χ^2/NDF : 99.1/68

- sign 50.019+/-95.625 χ^2/NDF : 33.2/34

asym_left_dd_correction_rms vs Slug



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

Left Out: 742.117+/-0.145 χ^2/NDF : 668882.6/17

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

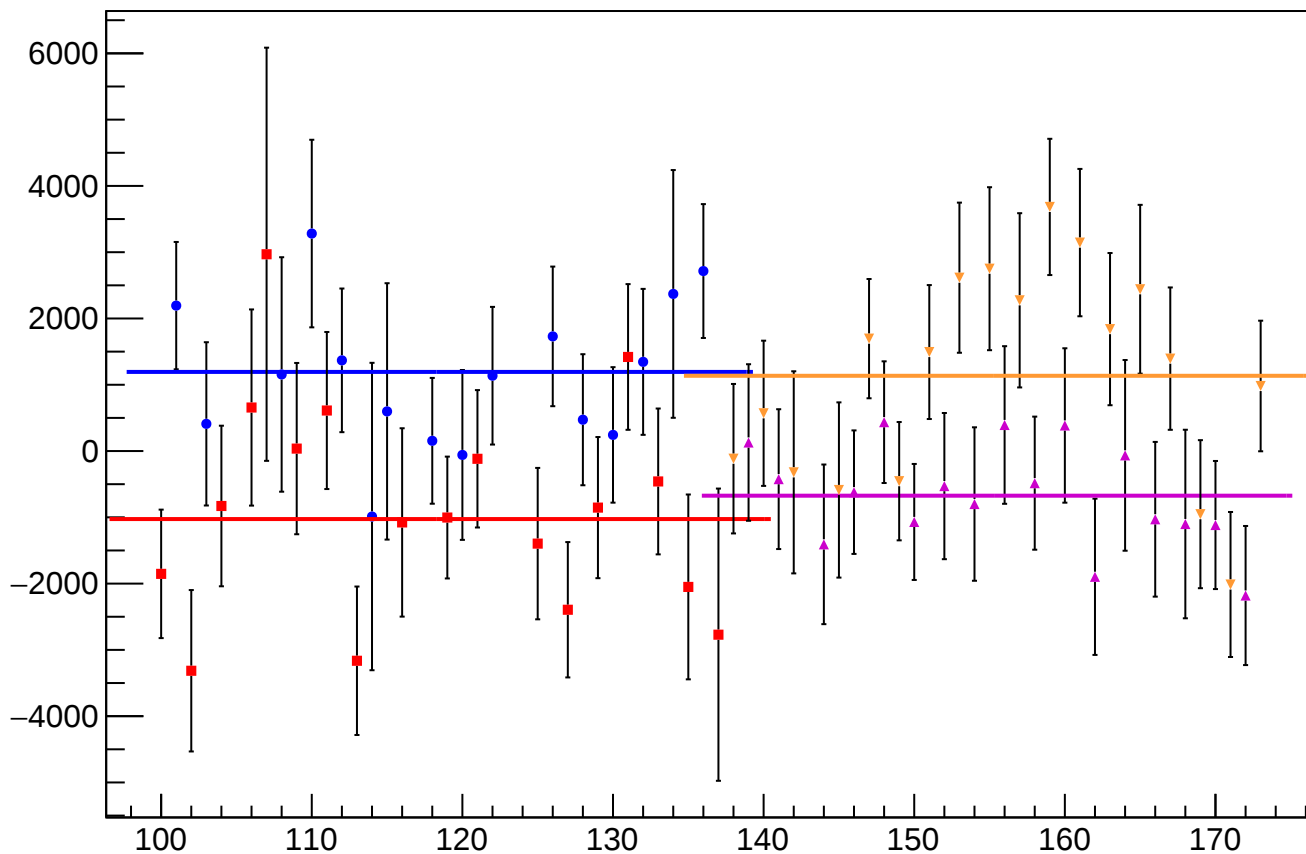
Left In: 742.221+/-0.147 χ^2/NDF : 839554.4/16

+ sign 573.369+/-0.096 χ^2/NDF : 4130677.8/33

All: 392.703+/-0.055 χ^2/NDF : 29771262.6/68

- sign 302.387+/-0.068 χ^2/NDF : 20287592.7/34

asym_left_dd_mean vs Slug



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

Left Out: 1135.391 $\pm$ 260.129 χ^2 /NDF:34.7/17

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

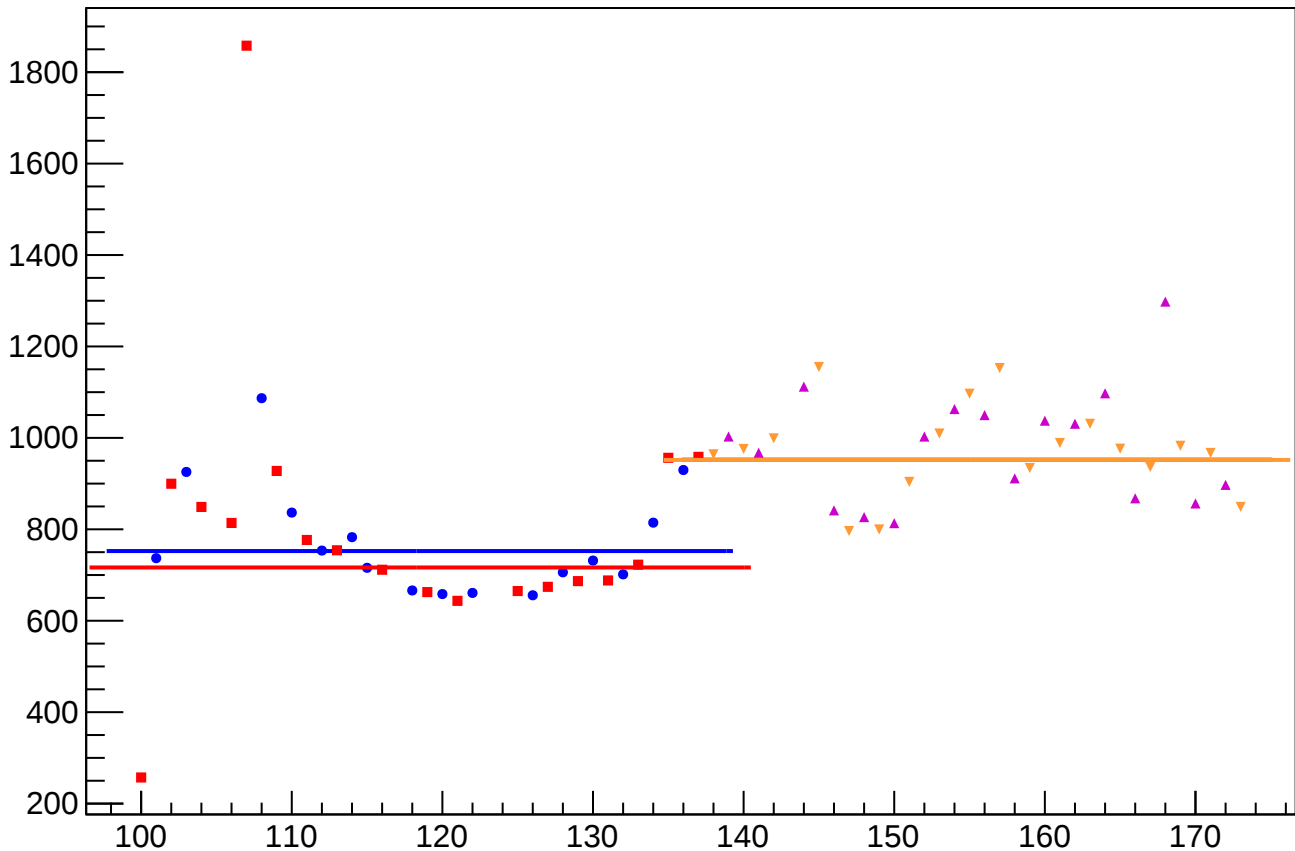
Left In: -673.511 $\pm$ 263.836 χ^2 /NDF:8.0/16

+ sign 1160.958 $\pm$ 195.122 χ^2 /NDF: 45.9/33

All: 146.417 $\pm$ 136.958 χ^2 /NDF: 130.5/68

- sign -838.834 $\pm$ 192.285 χ^2 /NDF: 31.3/34

asym_left_dd_rms vs Slug



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

Left Out: 951.812+/-0.184 χ^2/NDF : 289578.6/17

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

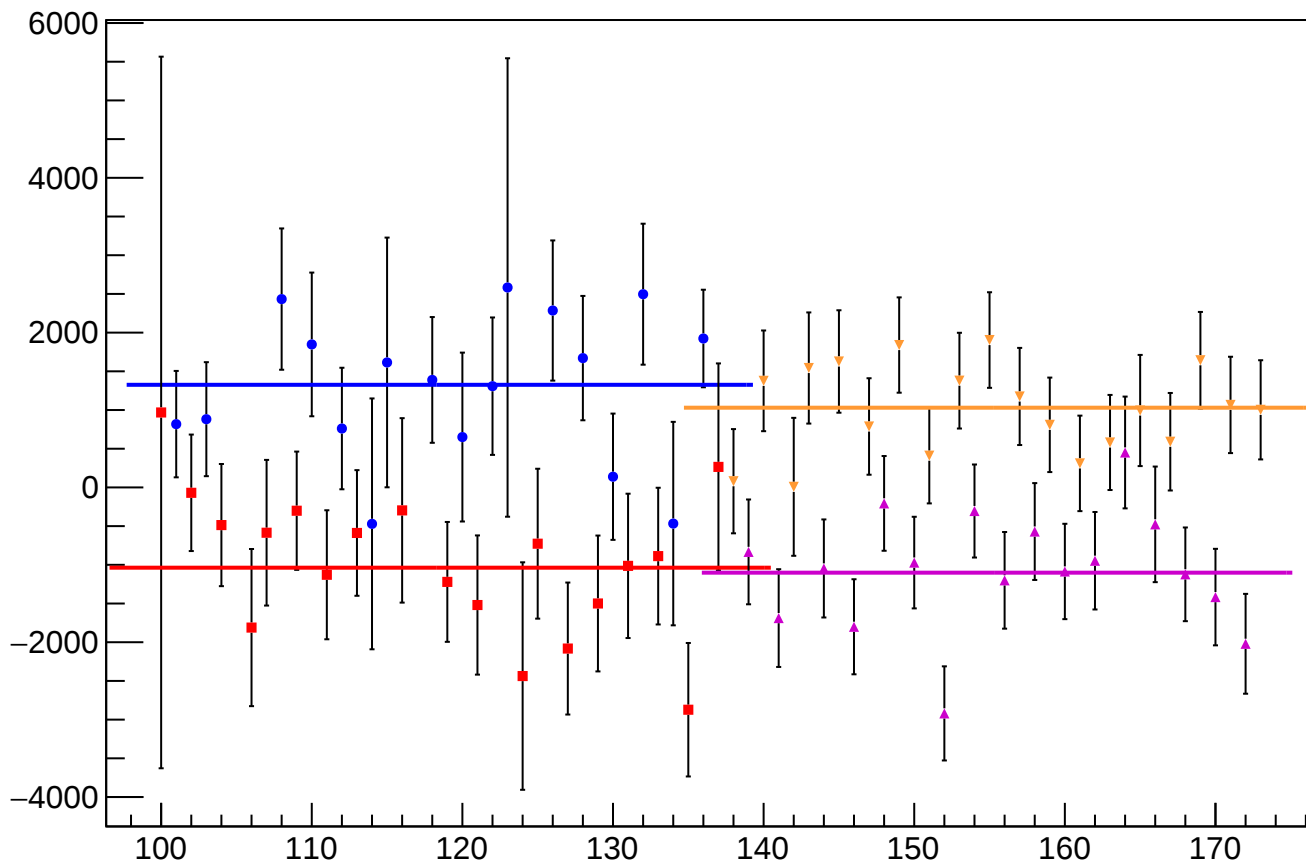
Left In: 952.375+/-0.187 χ^2/NDF : 388580.6/16

+ sign 864.611+/-0.138 χ^2/NDF : 1056167.8/33

All: 853.037+/-0.097 χ^2/NDF : 3174883.2/68

- sign 841.797+/-0.136 χ^2/NDF : 2104844.5/34

reg_asym_right_avg_mean vs Slug



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

Left Out: 1029.984 $\pm$ 147.966 χ^2 /NDF:13.7/18

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

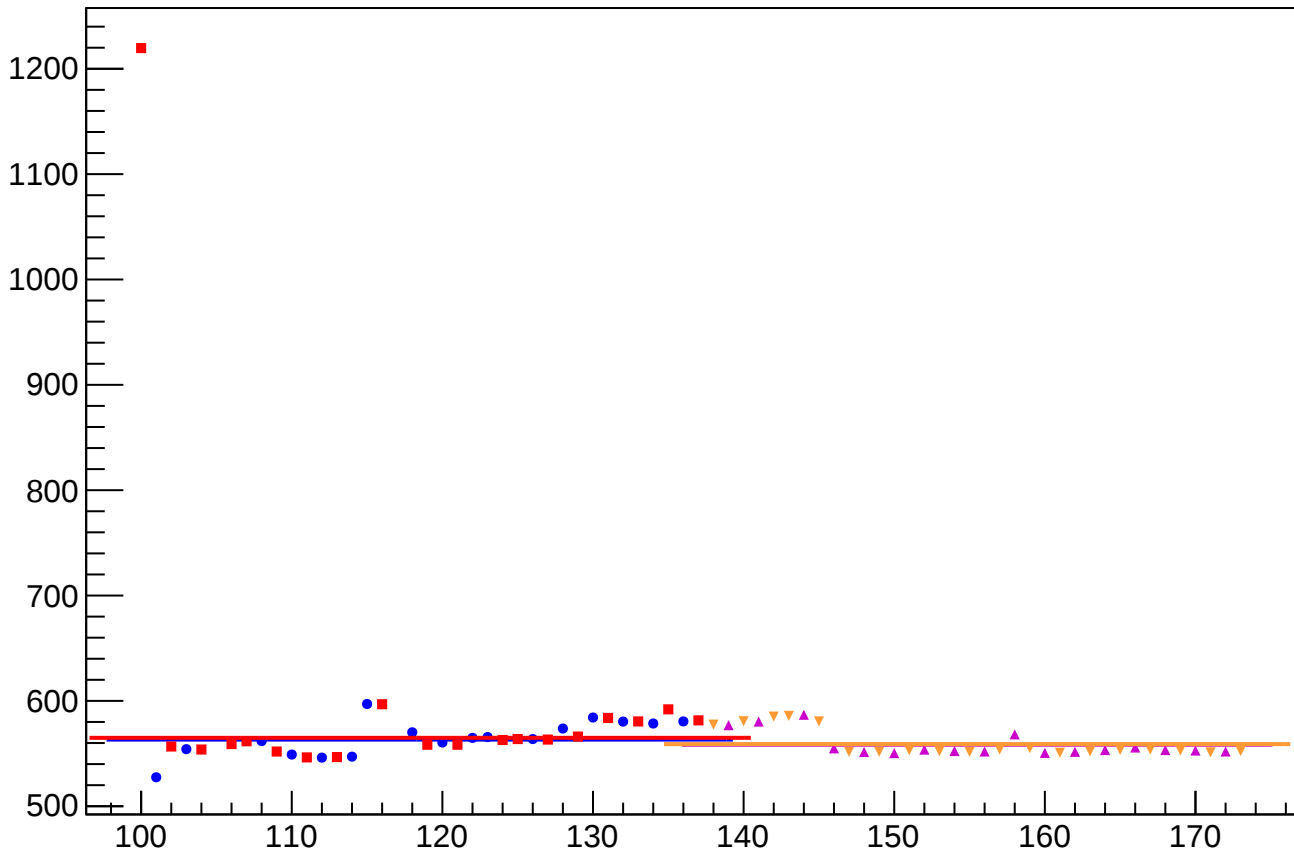
Left In: -1101.448 $\pm$ 153.348 χ^2 /NDF:23.6/16

+ sign 1123.213 $\pm$ 122.447 χ^2 /NDF: 27.8/35

All: 37.325 $\pm$ 87.185 χ^2 /NDF: 224.4/71

- sign -1079.262 $\pm$ 124.166 χ^2 /NDF: 37.1/35

reg_asym_right_avg_rms vs Slug



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

Left Out: 558.931 $\pm$ 0.105 χ^2 /NDF: 13381.8/18

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

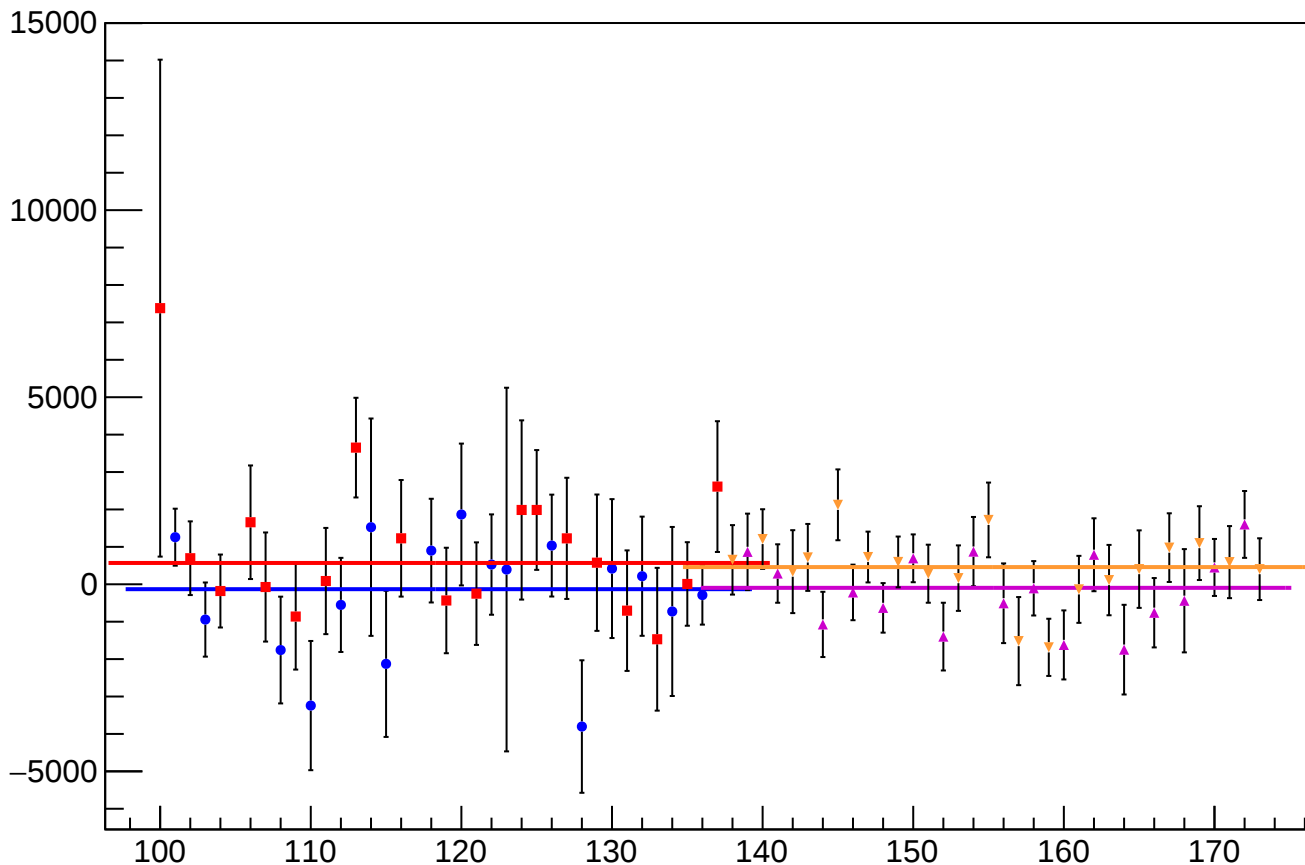
Left In: 558.405 $\pm$ 0.108 χ^2 /NDF: 10829.9/16

+ sign 560.297 $\pm$ 0.087 χ^2 /NDF: 26443.0/35

All: 560.475 $\pm$ 0.062 χ^2 /NDF: 87829.7/71

- sign 560.657 $\pm$ 0.088 χ^2 /NDF: 61378.2/35

asym_right_avg_correction_mean vs Slug



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

Left Out: 459.626 ± 201.101 χ^2/NDF : 18.1/18

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

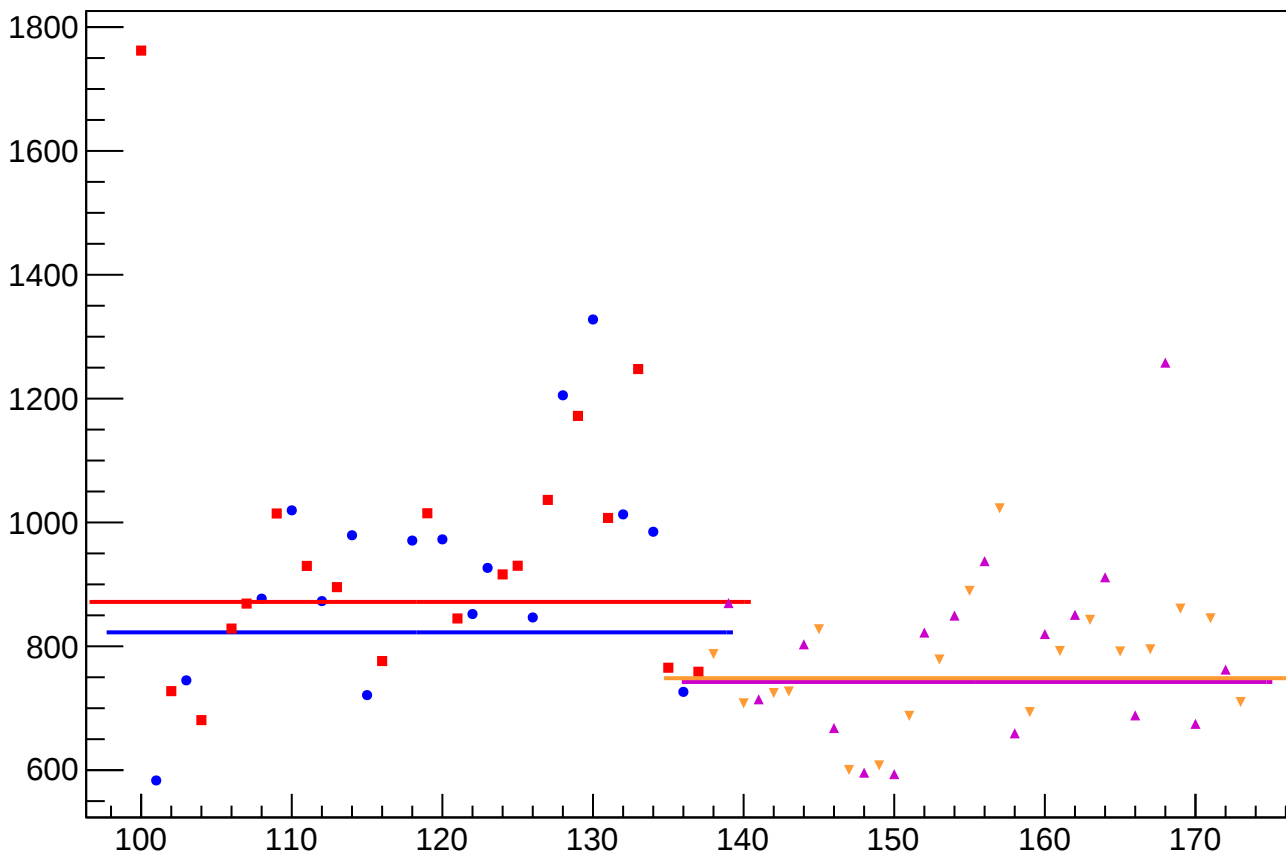
Left In: -95.225 ± 207.605 χ^2/NDF : 18.1/16

+ sign 297.941 ± 171.384 χ^2/NDF : 37.7/35

All: 197.465 ± 122.815 χ^2/NDF : 73.9/71

- sign 91.401 ± 176.084 χ^2/NDF : 35.5/35

asym_right_avg_correction_rms vs Slug



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

Left Out: 748.488 ± 0.142 χ^2/NDF : 463526.8/18

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

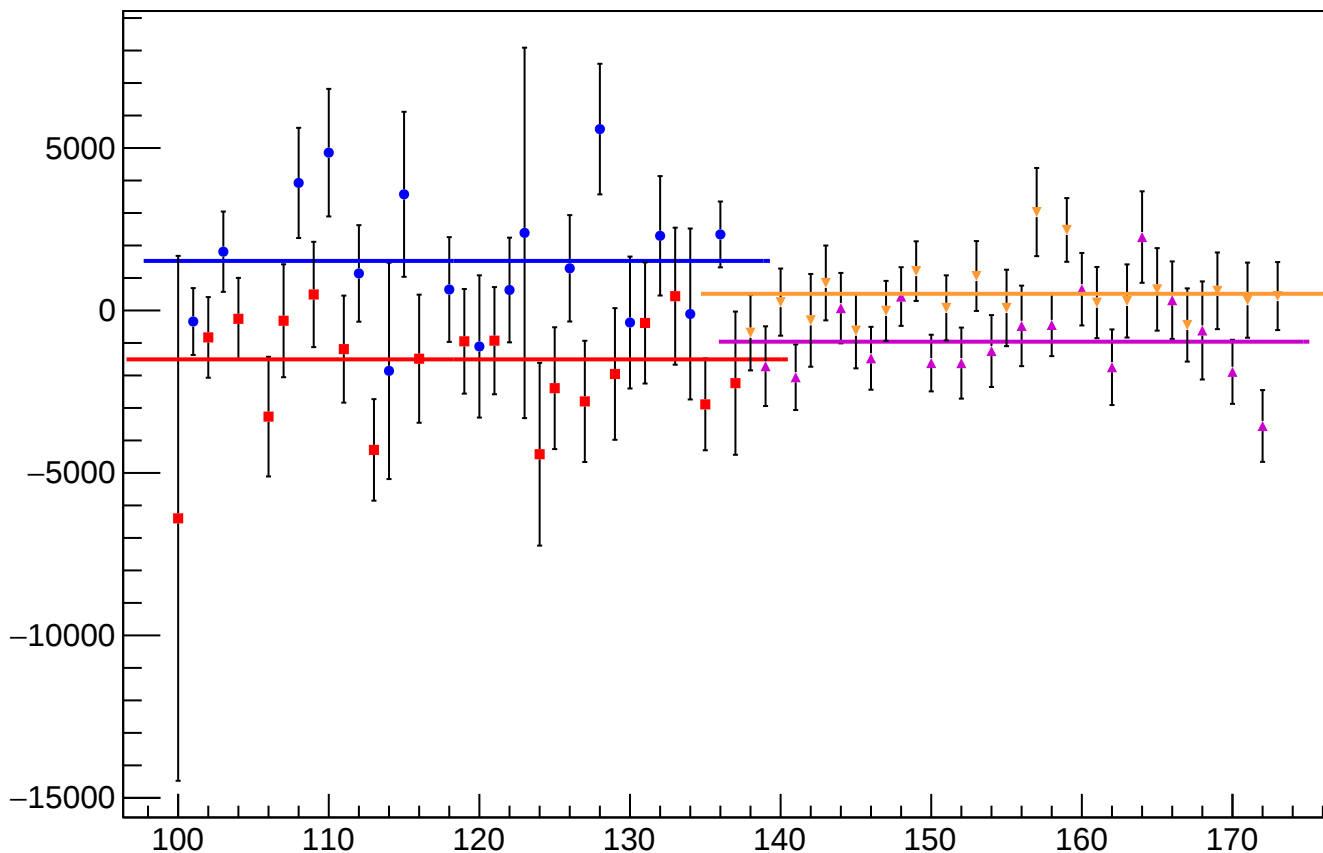
Left In: 742.408 ± 0.147 χ^2/NDF : 786545.9/16

+ sign 768.753 ± 0.121 χ^2/NDF : 1138682.4/35

All: 773.584 ± 0.087 χ^2/NDF : 2552952.6/71

- sign 778.683 ± 0.125 χ^2/NDF : 1411003.9/35

asym_right_avg_mean vs Slug



Right In: 1525.470+/-401.784 χ^2/NDF : 18.2/16

Left Out: 513.871+/-253.129 χ^2/NDF : 12.3/18

Right Out: -1504.406+/-399.953 χ^2/NDF : 12.1/18

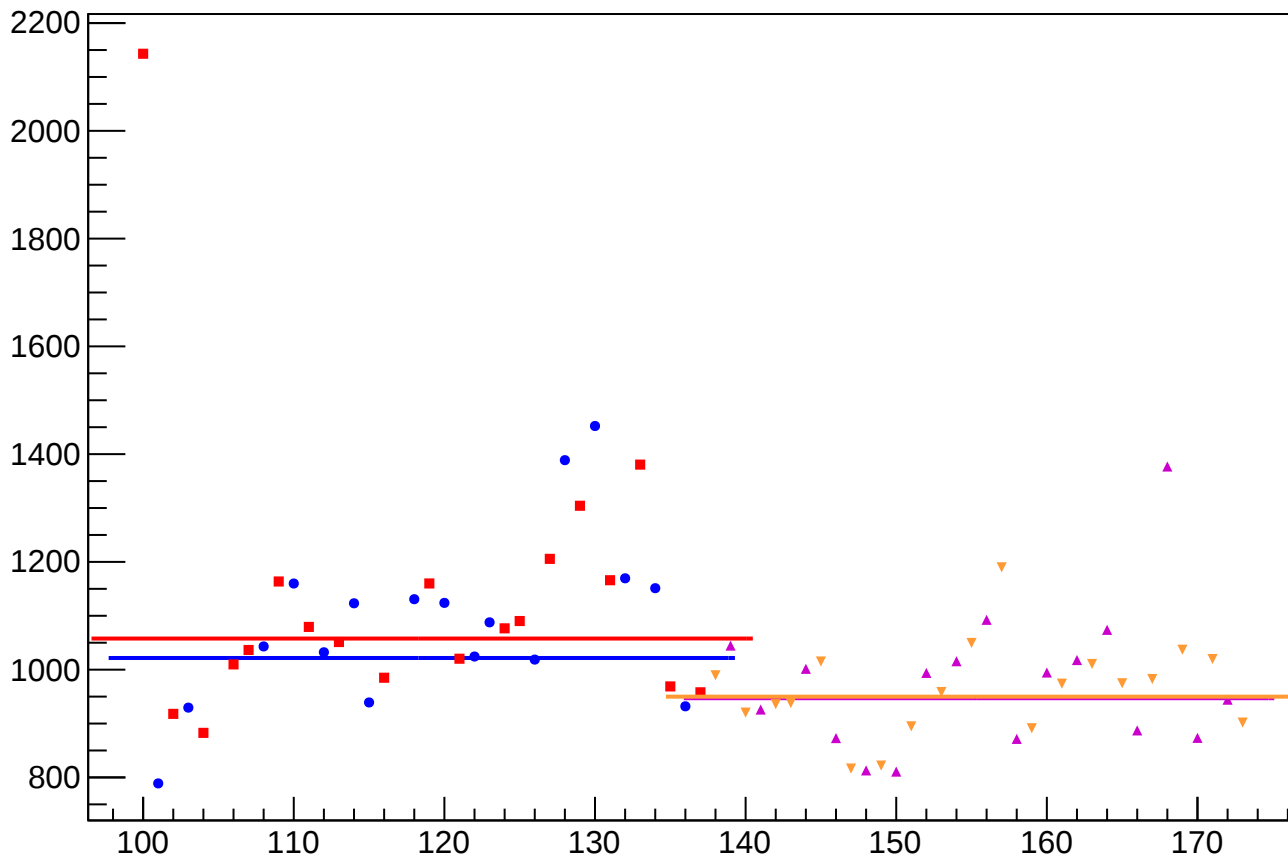
Left In: -960.525+/-262.283 χ^2/NDF : 21.9/16

+ sign 801.305+/-214.169 χ^2/NDF : 35.1/35

All: -138.478+/-153.232 χ^2/NDF : 109.9/71

- sign -1124.084+/-219.328 χ^2/NDF : 35.3/35

asym_right_avg_rms vs Slug



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

Left Out: 949.896 ± 0.179 χ^2/NDF : 213371.8/18

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

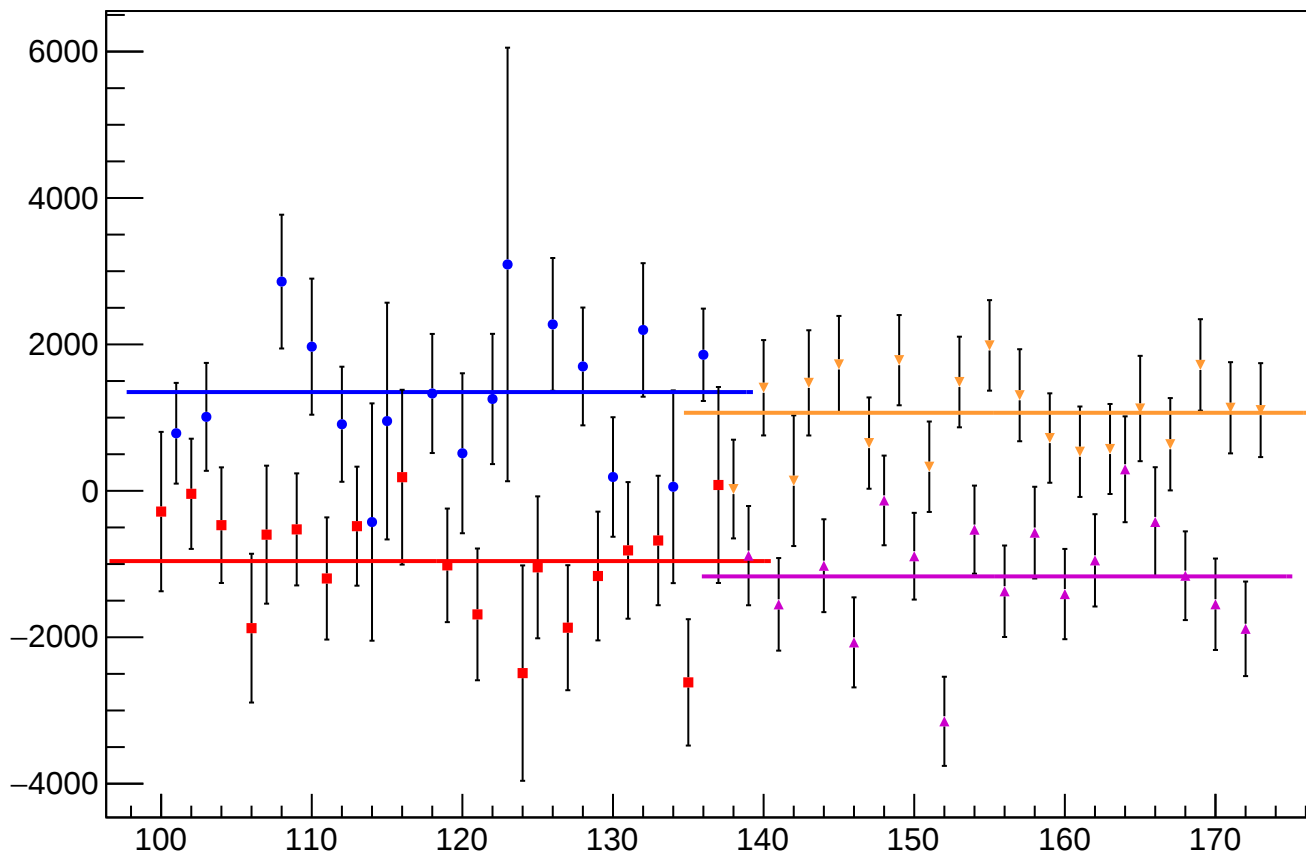
Left In: 947.016 ± 0.185 χ^2/NDF : 380352.1/16

+ sign 970.288 ± 0.151 χ^2/NDF : 591003.5/35

All: 975.183 ± 0.108 χ^2/NDF : 1311641.0/71

- sign 980.316 ± 0.155 χ^2/NDF : 718497.2/35

reg_asym_right_dd_mean vs Slug



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

Left Out: 1066.086 $\pm$ 148.119 χ^2 /NDF:14.4/18

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

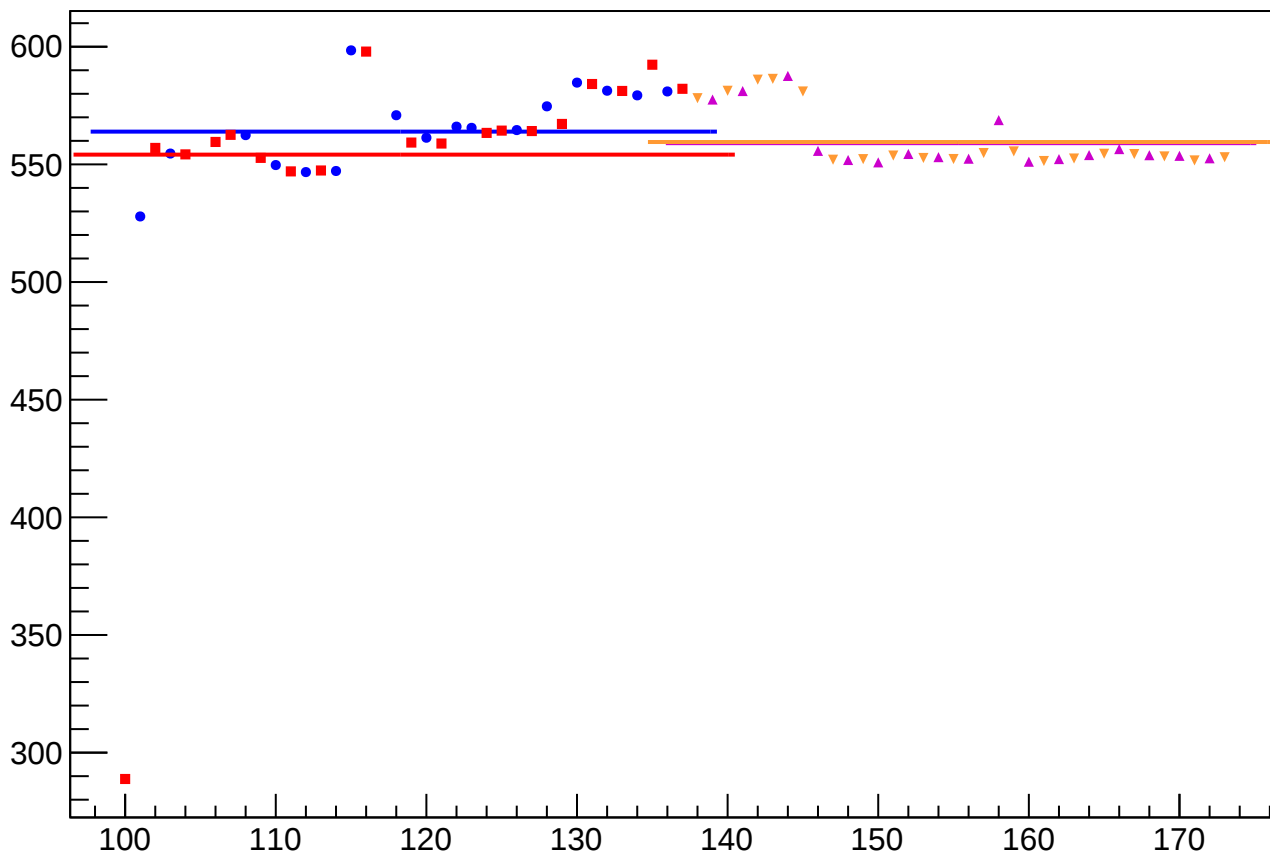
Left In: -1168.591 $\pm$ 153.517 χ^2 /NDF:25.5/16

+ sign 1155.288 $\pm$ 122.579 χ^2 /NDF: 27.8/35

All: 39.038 $\pm$ 87.017 χ^2 /NDF: 233.4/71

- sign -1094.921 $\pm$ 123.548 χ^2 /NDF: 38.4/35

reg_asym_right_dd_rms vs Slug



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

Left Out: 559.506 ± 0.105 χ^2/NDF : 13412.1/18

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

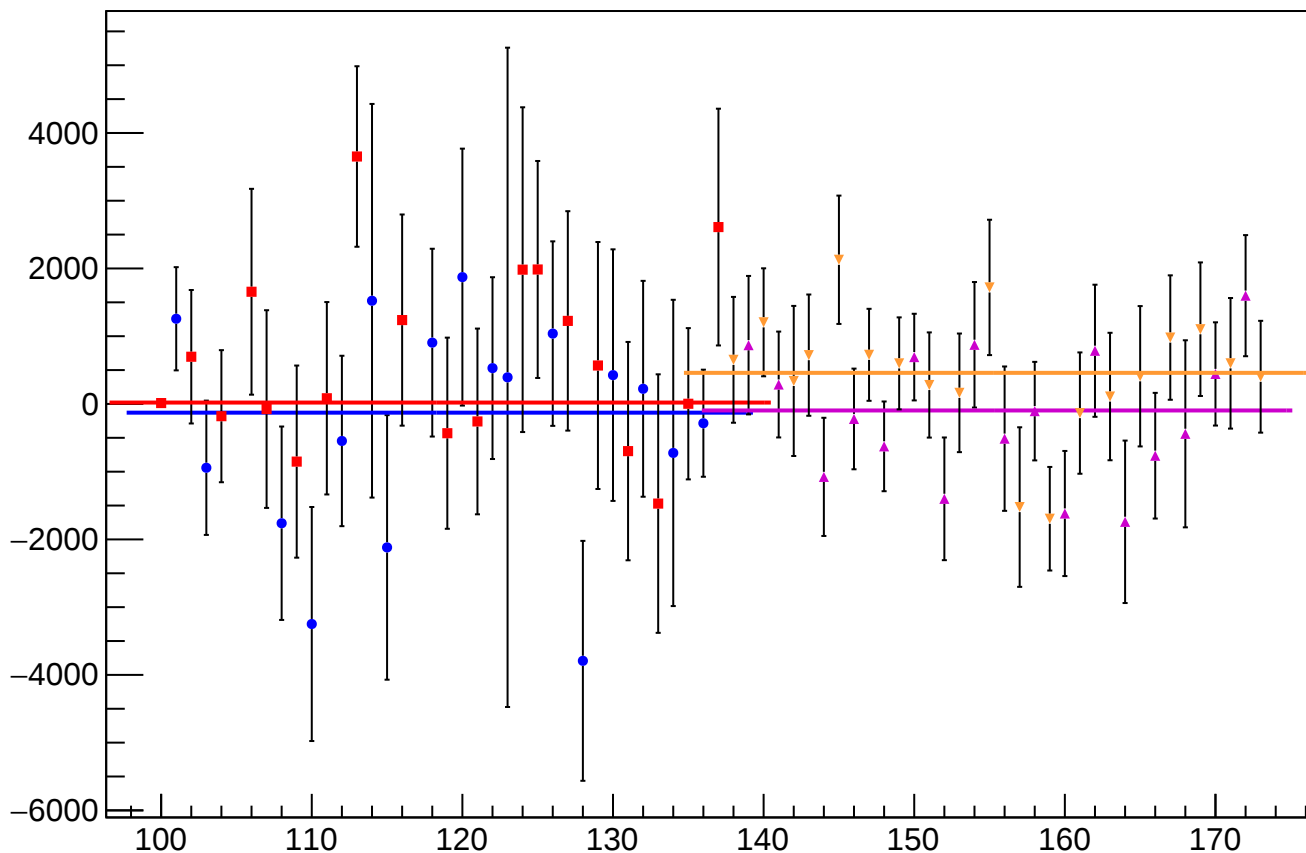
Left In: 559.018 ± 0.109 χ^2/NDF : 10909.6/16

+ sign 560.898 ± 0.087 χ^2/NDF : 26635.3/35

All: 559.114 ± 0.062 χ^2/NDF : 171074.4/71

- sign 557.301 ± 0.087 χ^2/NDF : 143584.8/35

asym_right_dd_correction_mean vs Slug



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

Left Out: 459.036 ± 201.170 $\chi^2/\text{NDF}: 18.2/18$

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

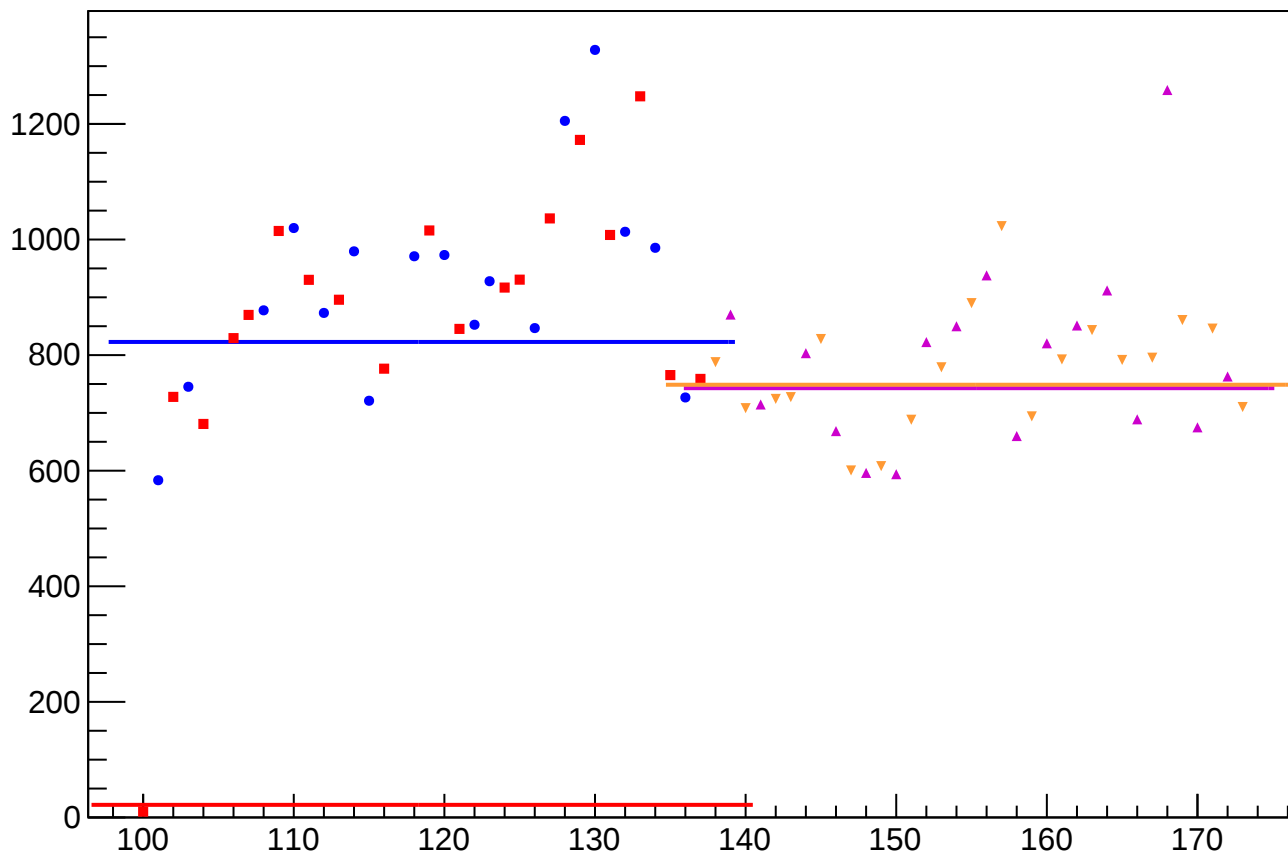
Left In: -96.316 ± 207.707 $\chi^2/\text{NDF}: 18.0/16$

+ sign 298.154 ± 171.441 $\chi^2/\text{NDF}: 37.7/35$

All: 29.802 ± 37.366 $\chi^2/\text{NDF}: 74.7/71$

- sign 16.419 ± 38.287 $\chi^2/\text{NDF}: 34.4/35$

asym_right_dd_correction_rms vs Slug



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

Left Out: 748.735 $\pm$ 0.142 χ^2 /NDF: 463604.0/18

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

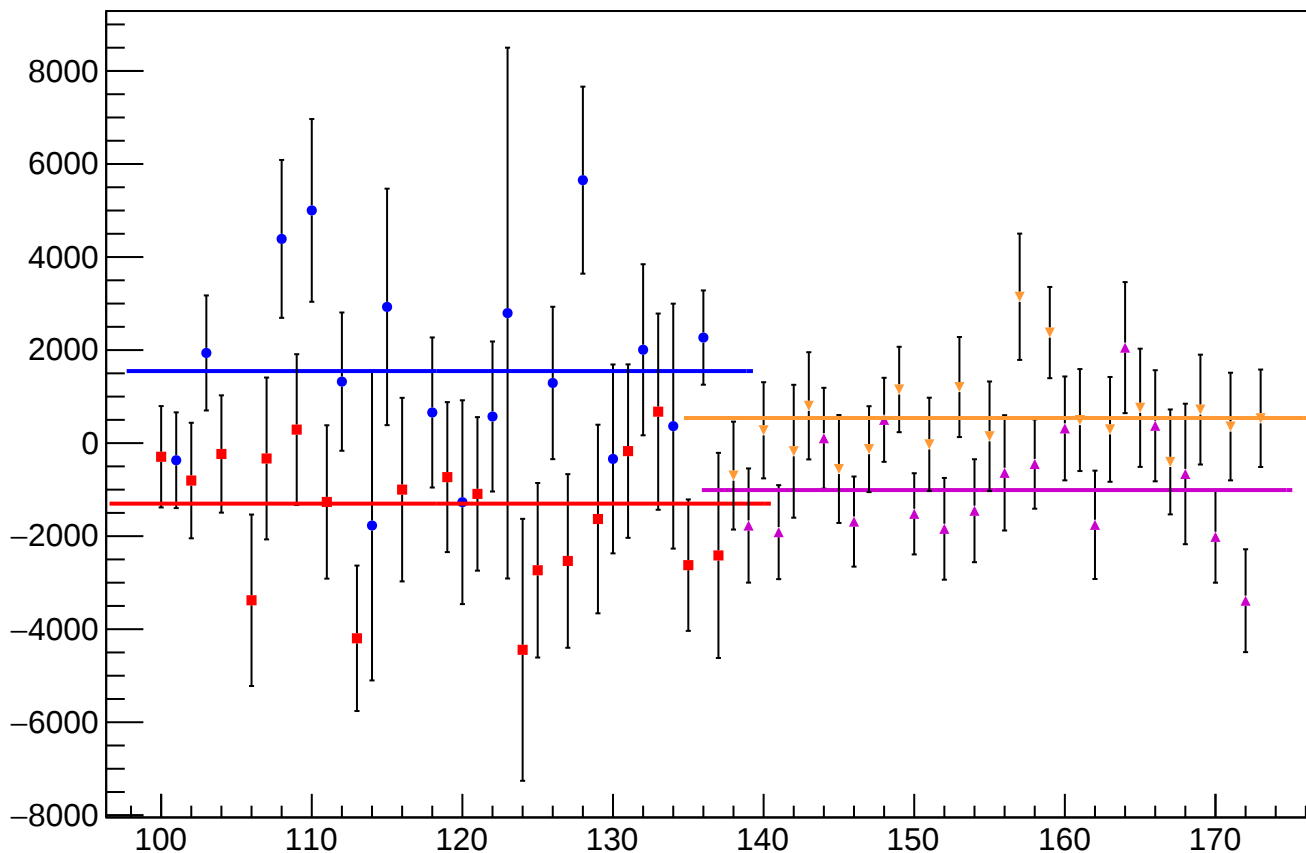
Left In: 742.776 $\pm$ 0.147 χ^2 /NDF: 786294.2/16

+ sign 769.002 $\pm$ 0.121 χ^2 /NDF: 1138644.0/35

All: 80.640 $\pm$ 0.026 χ^2 /NDF: 72577576.9/71

- sign 46.309 $\pm$ 0.027 χ^2 /NDF: 37587827.6/35

asym_right_dd_mean vs Slug



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

Left Out: 540.568 $\pm$ 253.273 χ^2 /NDF:12.2/18

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

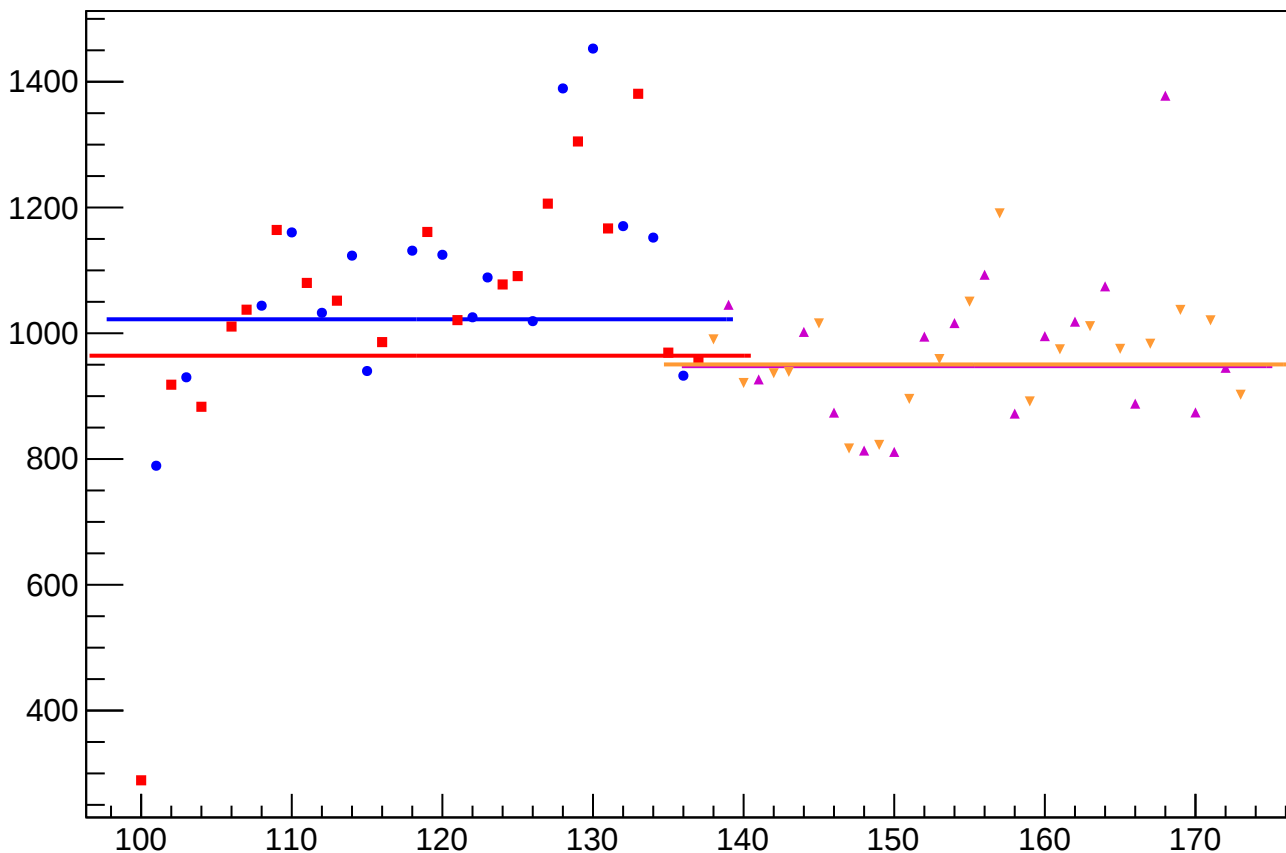
Left In: -1009.134 $\pm$ 262.468 χ^2 /NDF:20.6/16

+ sign 827.070 $\pm$ 214.291 χ^2 /NDF: 35.7/35

All: -134.617 $\pm$ 151.856 χ^2 /NDF: 109.7/71

- sign -1104.725 $\pm$ 215.227 χ^2 /NDF: 33.6/35

asym_right_dd_rms vs Slug



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

Left Out: 950.431+/-0.179 χ^2/NDF : 213476.7/18

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

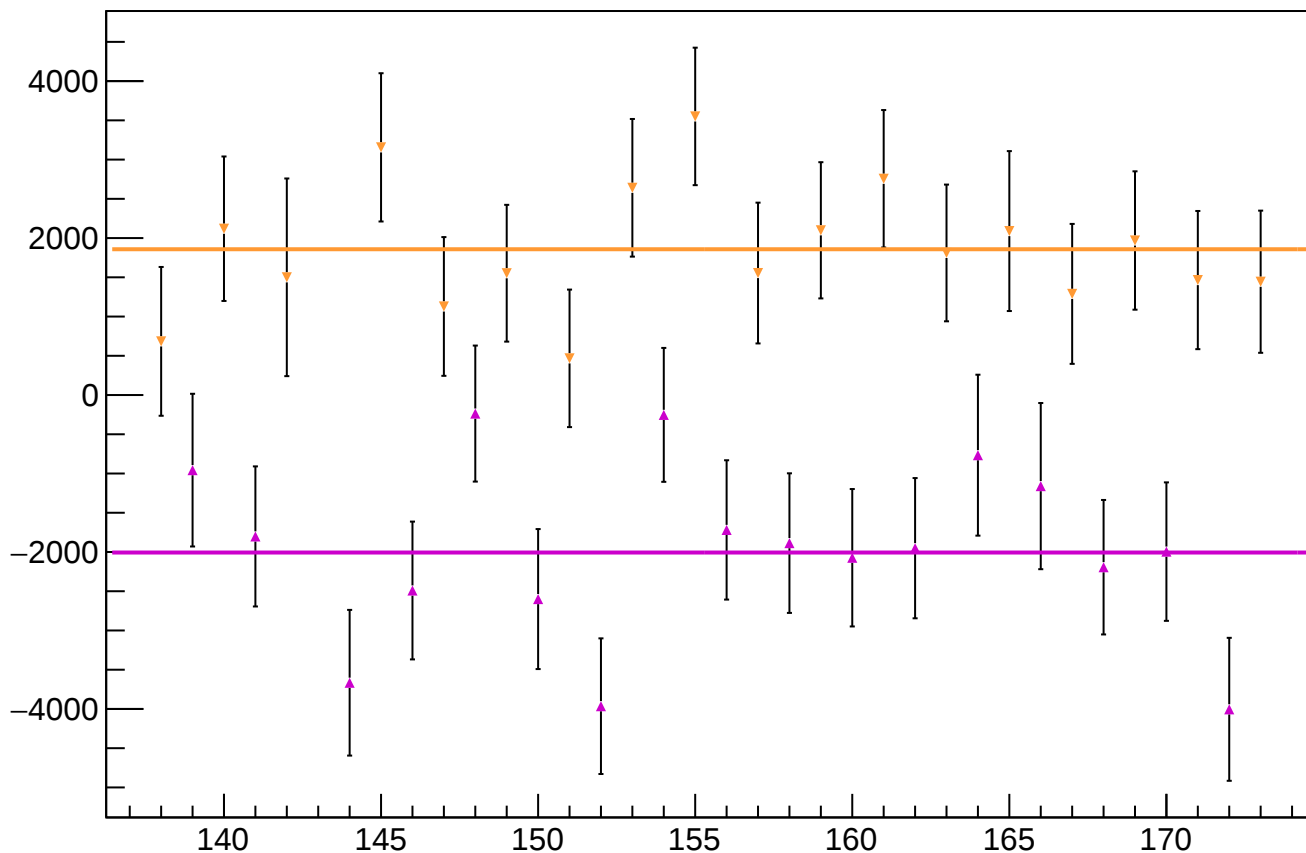
Left In: 947.689+/-0.186 χ^2/NDF : 380066.1/16

+ sign 970.835+/-0.152 χ^2/NDF : 591026.2/35

All: 962.026+/-0.107 χ^2/NDF : 2047796.0/71

- sign 953.140+/-0.152 χ^2/NDF : 1449980.8/35

cor_asym_us_avg_mean vs Slug



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

Left Out: 1857.693+/-214.390 χ^2/NDF :13.6/17

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

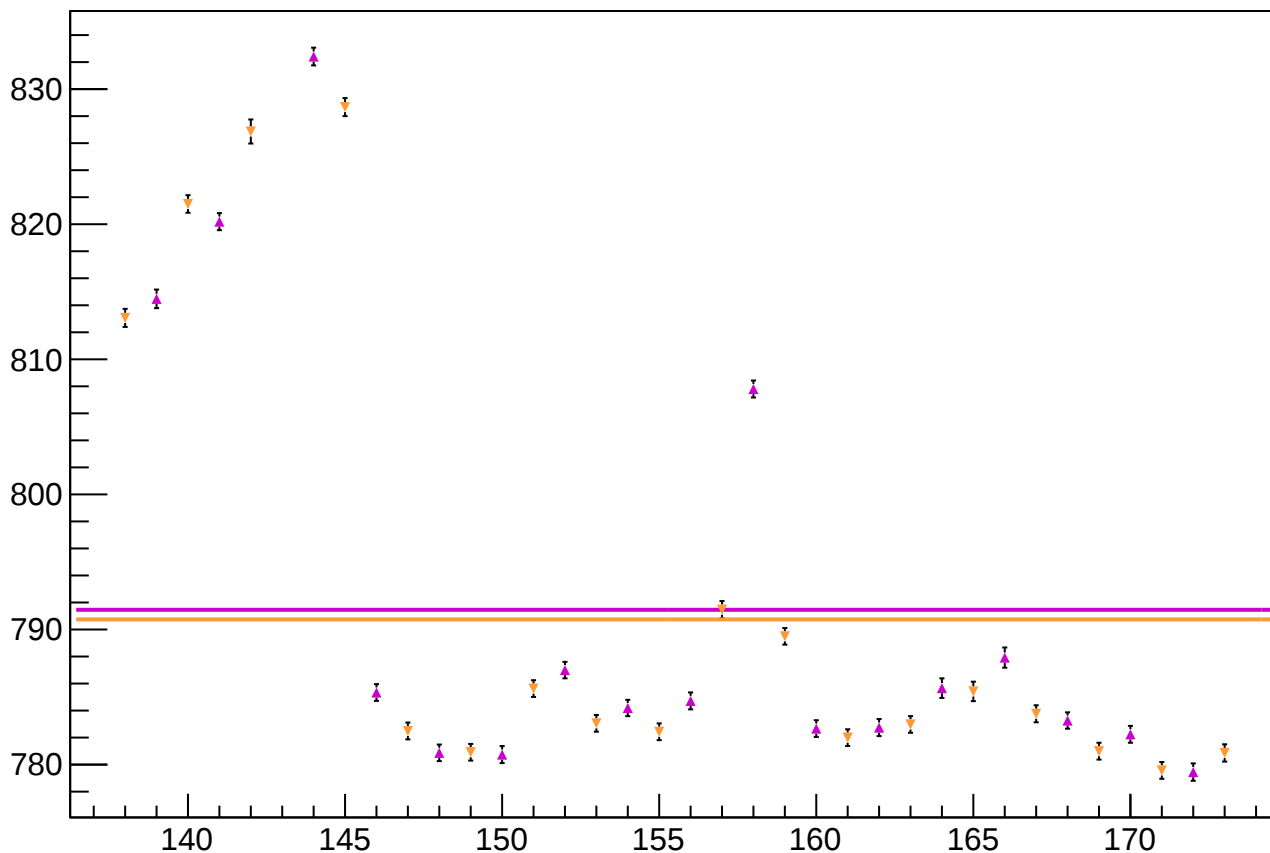
Left In: -2006.804+/-218.961 χ^2/NDF :25.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -33.794+/-153.187 χ^2/NDF : 198.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_avg_rms vs Slug



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

Left Out: 790.748+/-0.152 χ^2/NDF :10388.4/17

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

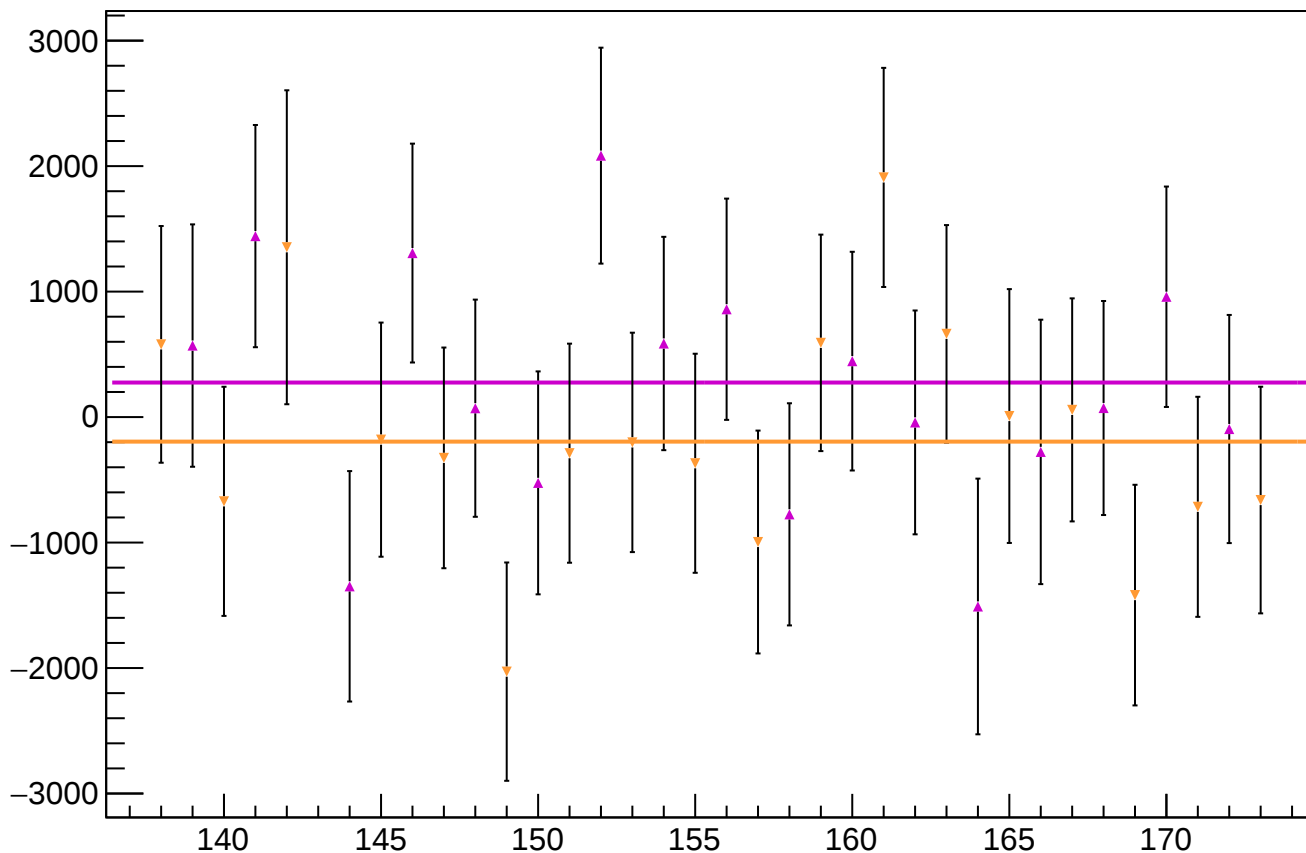
Left In: 791.459+/-0.155 χ^2/NDF :9986.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 791.096+/-0.108 χ^2/NDF : 20386.0/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_mean vs Slug



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

Left Out: -195.535+/-213.312 χ^2/NDF : 18.1/17

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

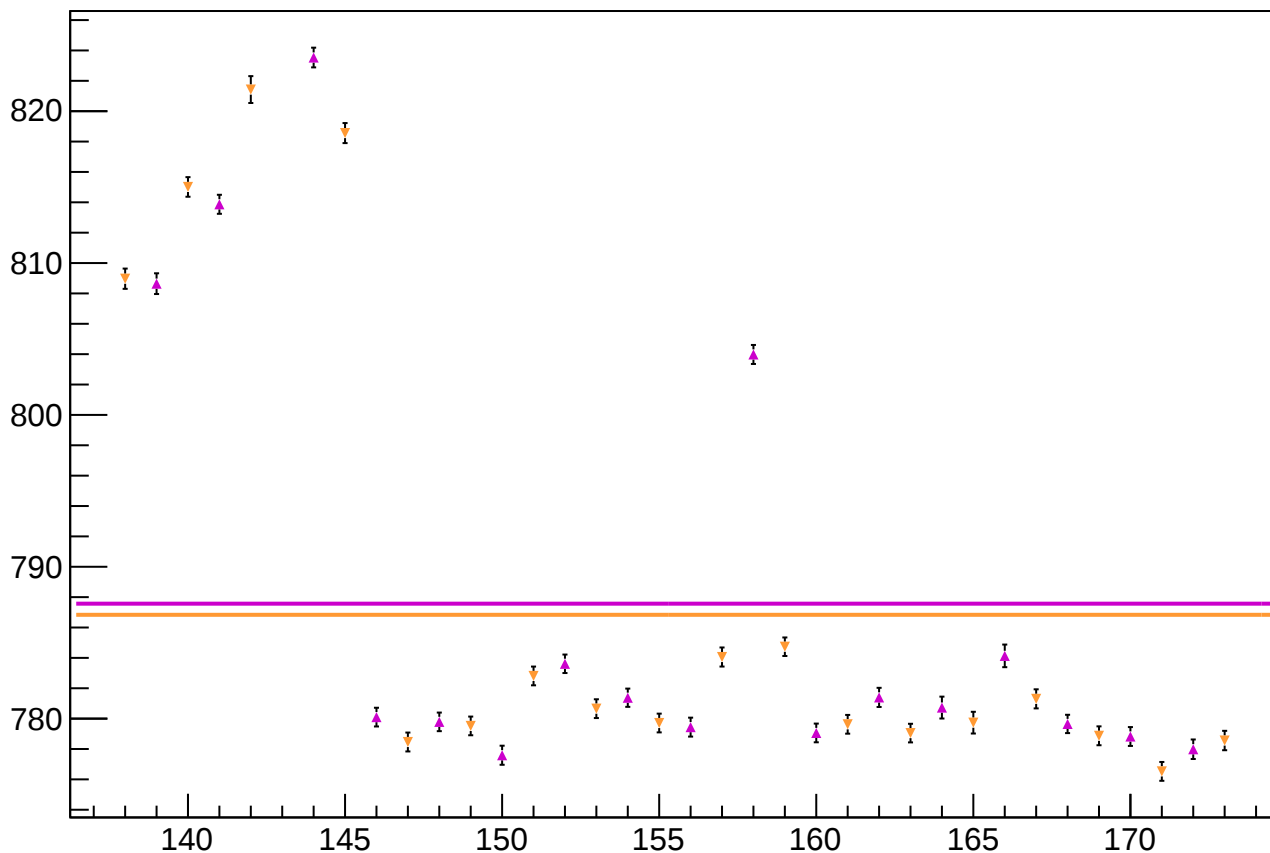
Left In: 275.247+/-217.875 χ^2/NDF : 18.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 34.875+/-152.422 χ^2/NDF : 38.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_rms vs Slug



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

Left Out: 786.837+/-0.151 χ^2/NDF : 8559.4/17

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

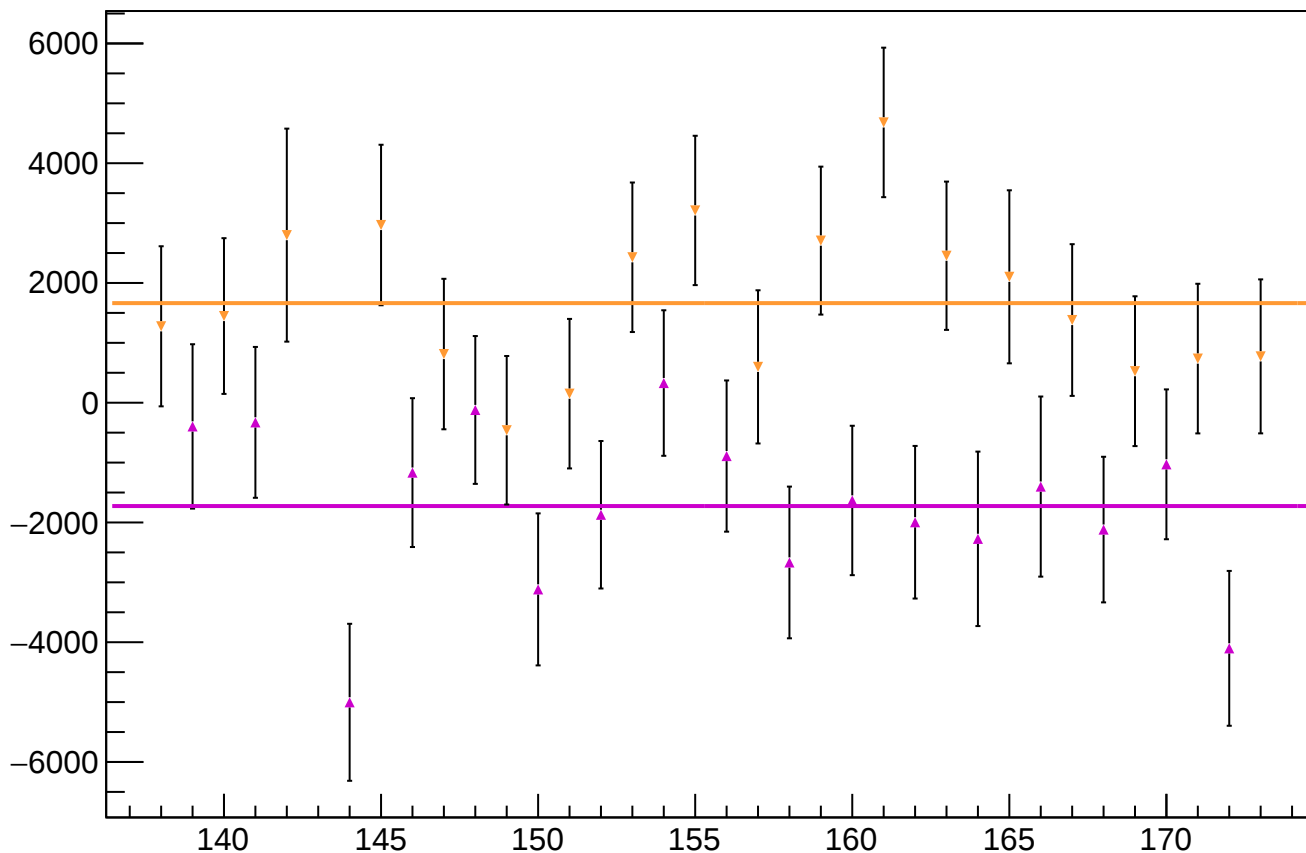
Left In: 787.570+/-0.154 χ^2/NDF : 8342.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 787.196+/-0.108 χ^2/NDF : 16913.0/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usl_mean vs Slug



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

Left Out: 1663.395+/-304.589 χ^2/NDF : 17.9/17

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

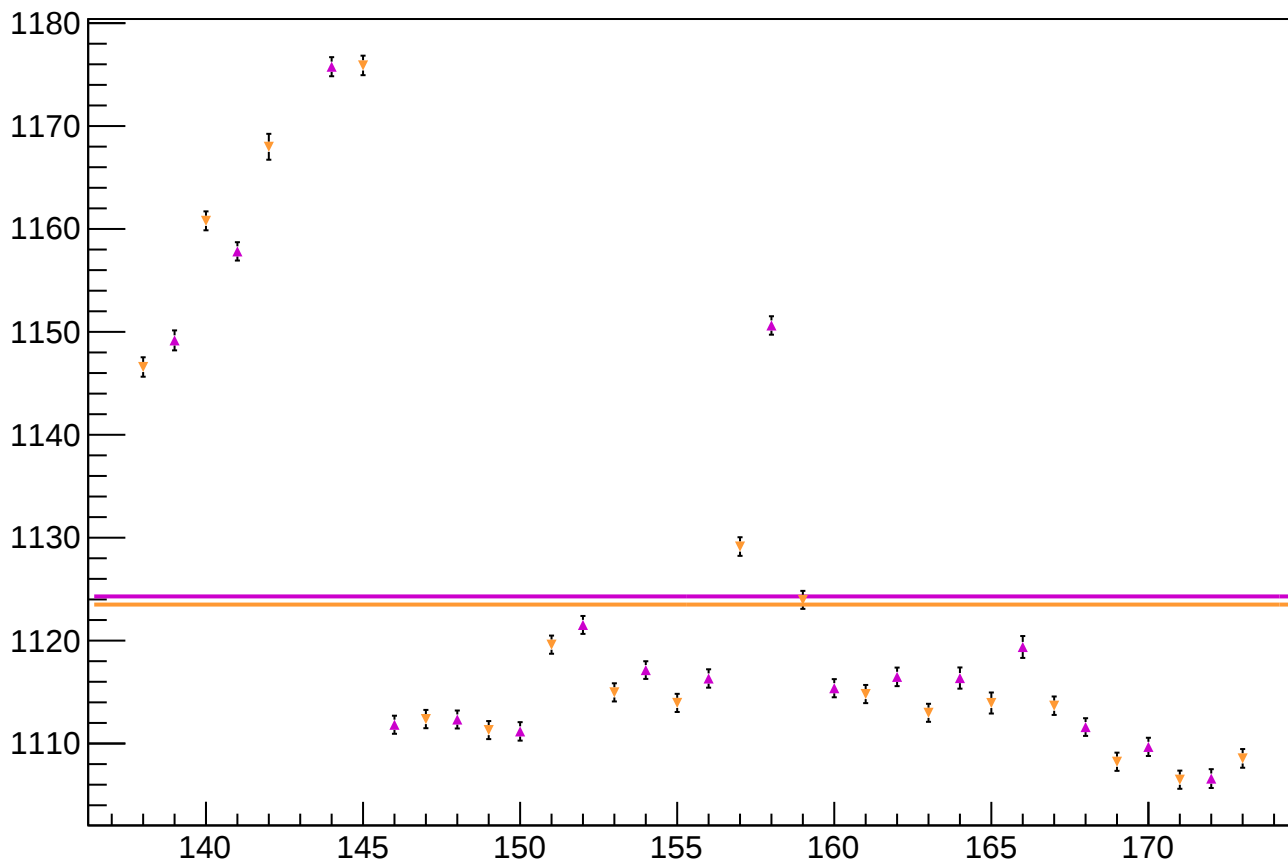
Left In: -1725.854+/-311.026 χ^2/NDF : 19.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4.209+/-217.617 χ^2/NDF : 97.9/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usl_rms vs Slug



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

Left Out: 1123.502+/-0.215 χ^2/NDF : 8555.0/17

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

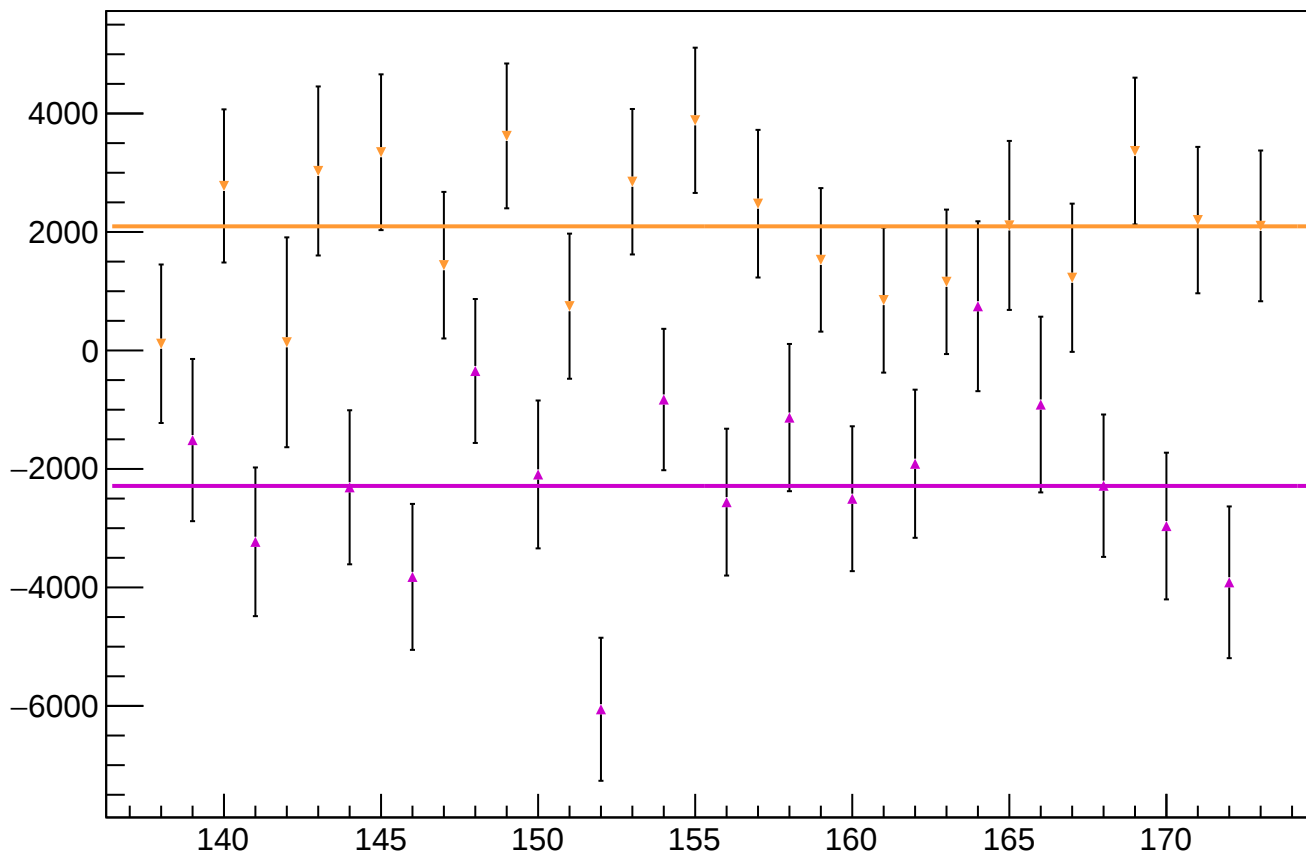
Left In: 1124.294+/-0.220 χ^2/NDF : 7905.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1123.889+/-0.154 χ^2/NDF : 16467.1/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usr_mean vs Slug



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

Left Out: 2095.310+/-293.830 χ^2/NDF : 14.1/18

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

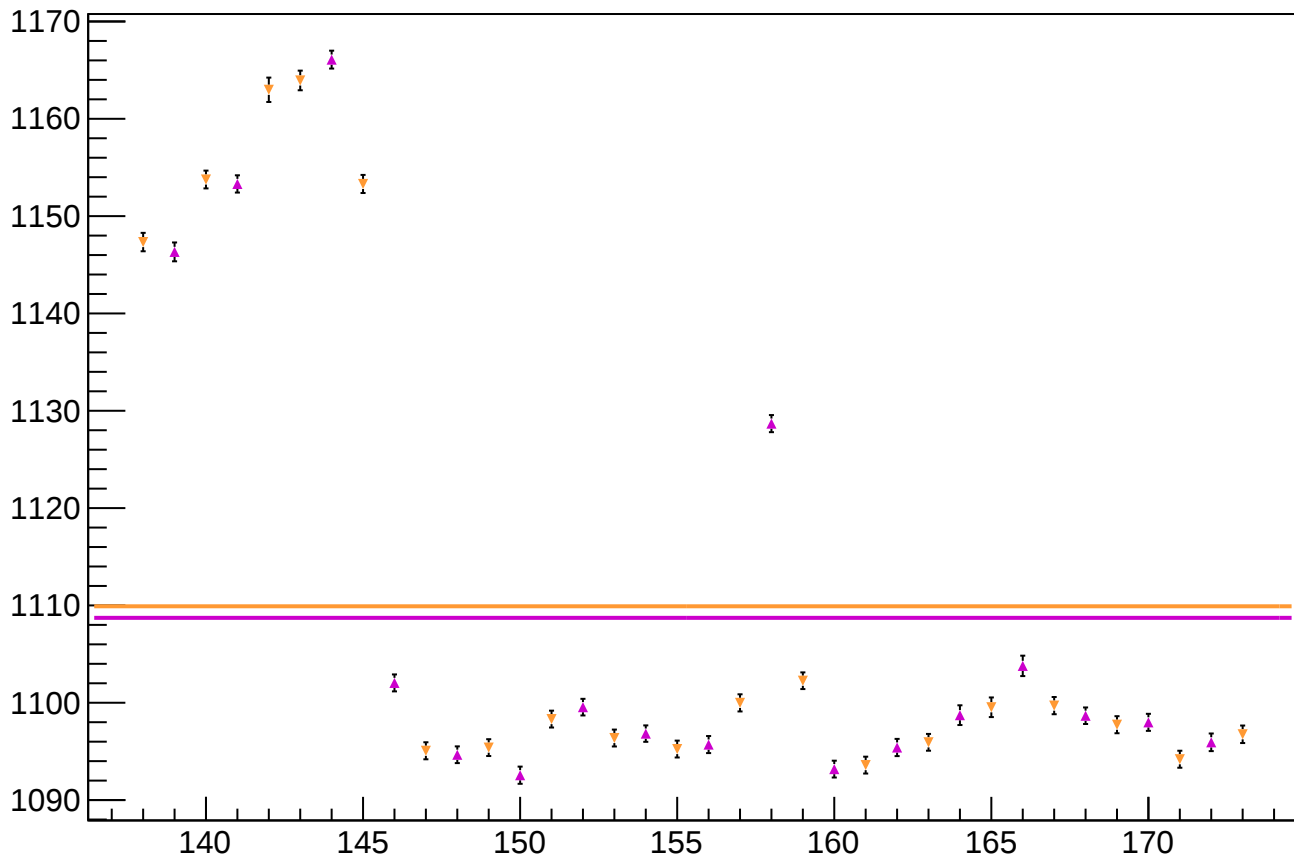
Left In: -2286.702+/-306.736 χ^2/NDF : 24.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1.570+/-212.185 χ^2/NDF : 145.0/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usr_rms vs Slug



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

Left Out: 1109.910+/-0.208 χ^2/NDF :13781.9/18

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

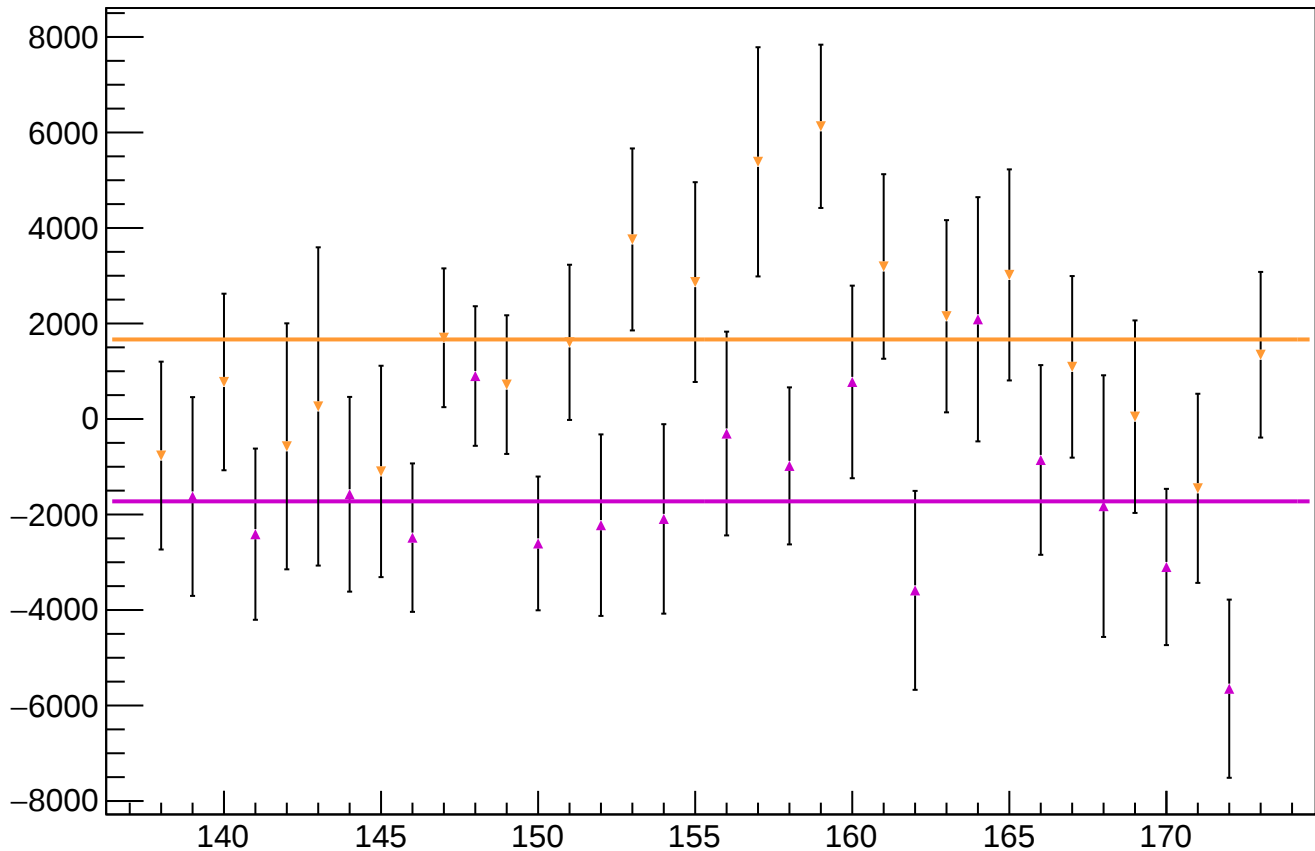
Left In: 1108.724+/-0.217 χ^2/NDF :10797.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1109.342+/-0.150 χ^2/NDF : 24595.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_mean vs Slug



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

Left Out: 1665.749+/-439.732 χ^2/NDF :19.7/18

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

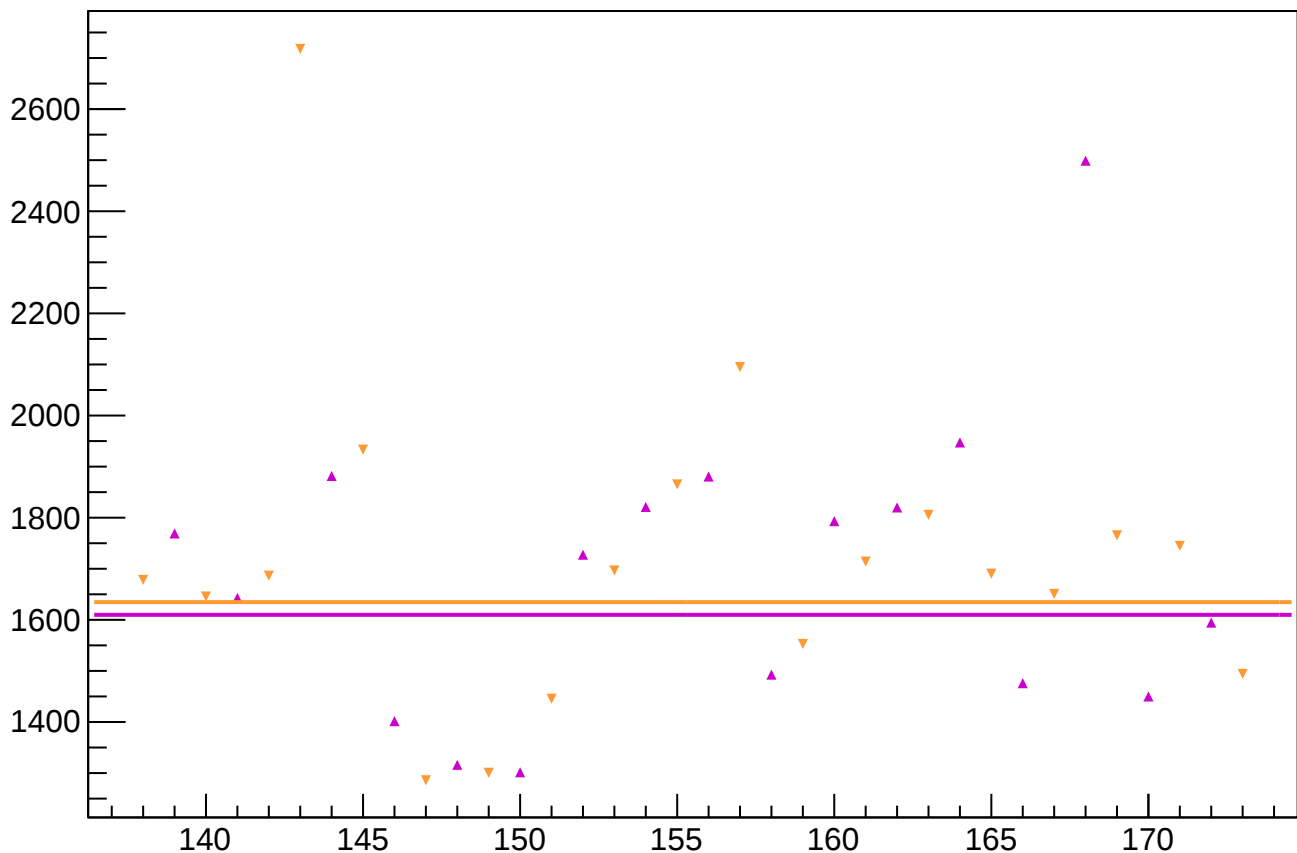
Left In: -1724.820+/-448.487 χ^2/NDF :14.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 3.883+/-313.987 χ^2/NDF : 63.5/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_rms vs Slug



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

Left Out: 1634.676+/-0.311 χ^2/NDF : 649256.6/18

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

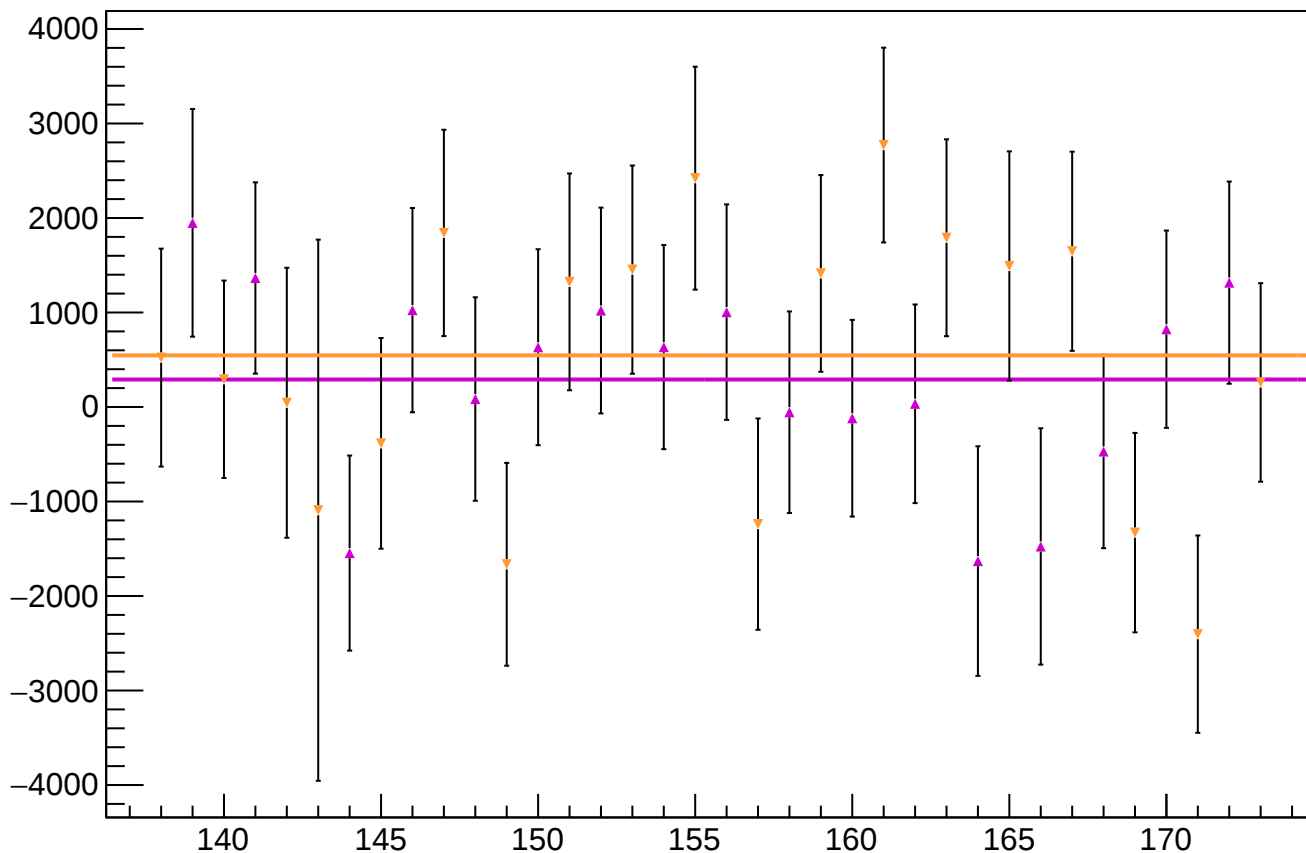
Left In: 1609.789+/-0.317 χ^2/NDF : 644885.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1622.478+/-0.222 χ^2/NDF : 1297282.0/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_mean vs Slug



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

Left Out: 546.836 $\pm$ 258.343 χ^2/NDF : 32.8/18

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

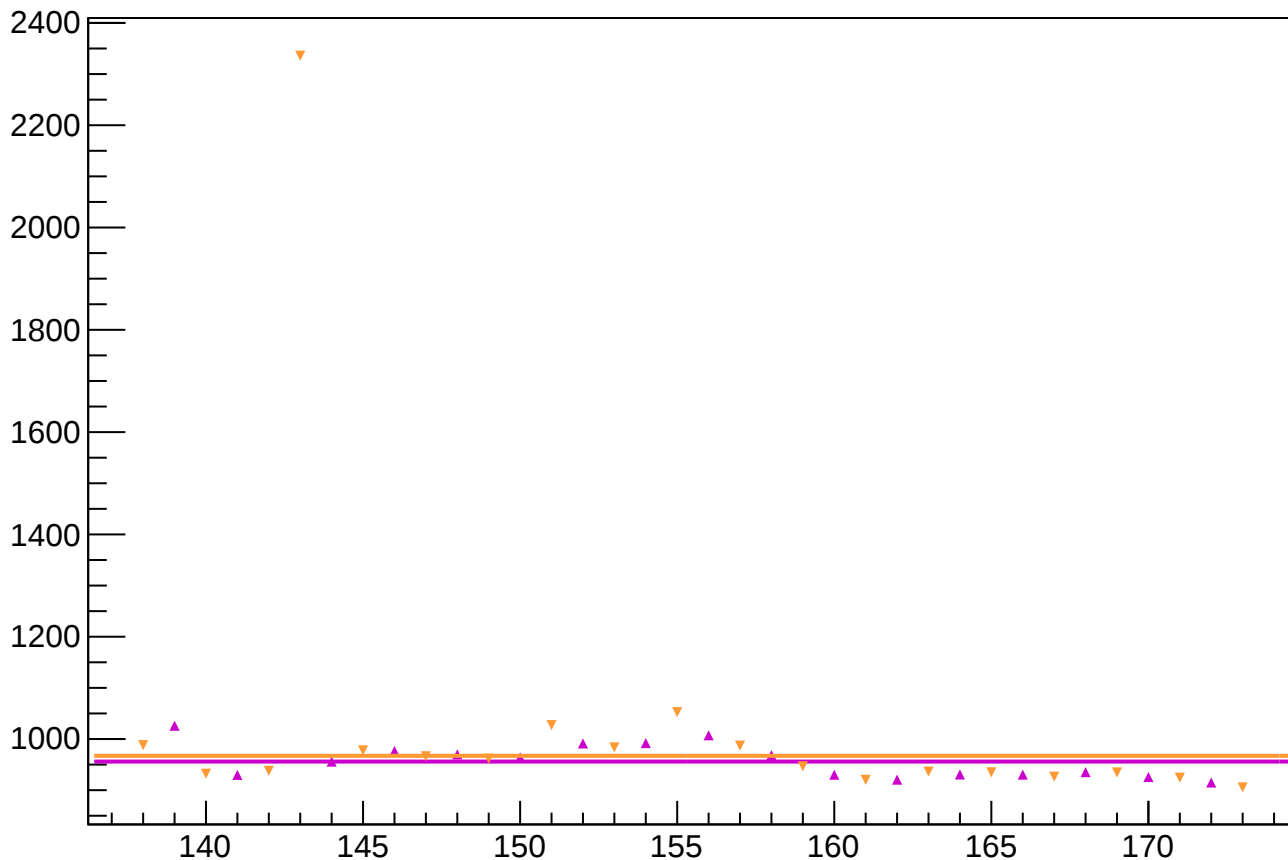
Left In: 291.130 $\pm$ 262.649 χ^2/NDF : 14.3/16

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

All: 421.097 $\pm$ 184.180 χ^2/NDF : 47.5/35

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

asym_us_agg_dd_rms vs Slug



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

Left Out: 967.218+/-0.183 χ^2/NDF : 501371.3/18

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

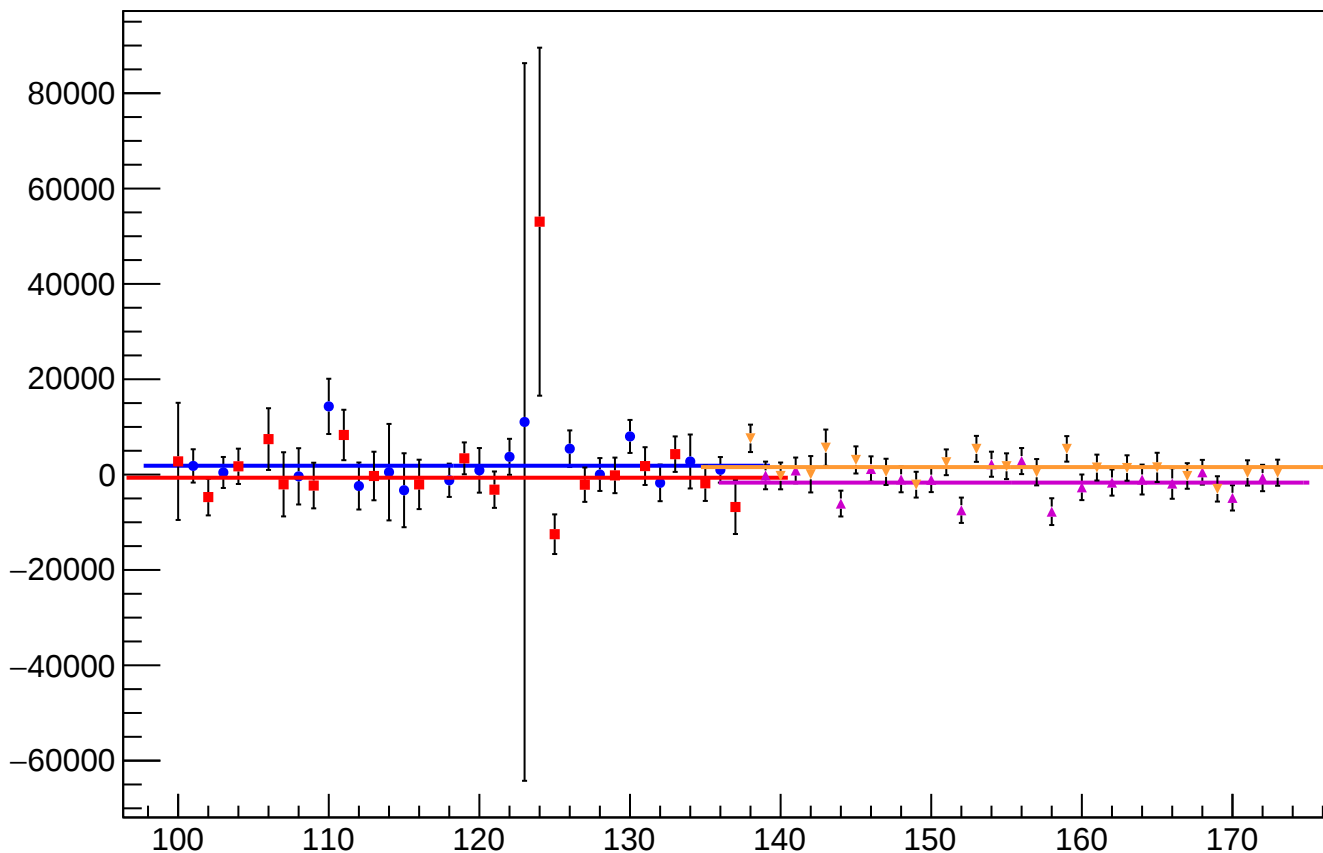
Left In: 955.892+/-0.186 χ^2/NDF : 28563.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 961.648+/-0.130 χ^2/NDF : 531824.9/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_mean vs Slug



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

Left Out: 1577.040 $\pm$ 646.105 χ^2 /NDF:16.5/18

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

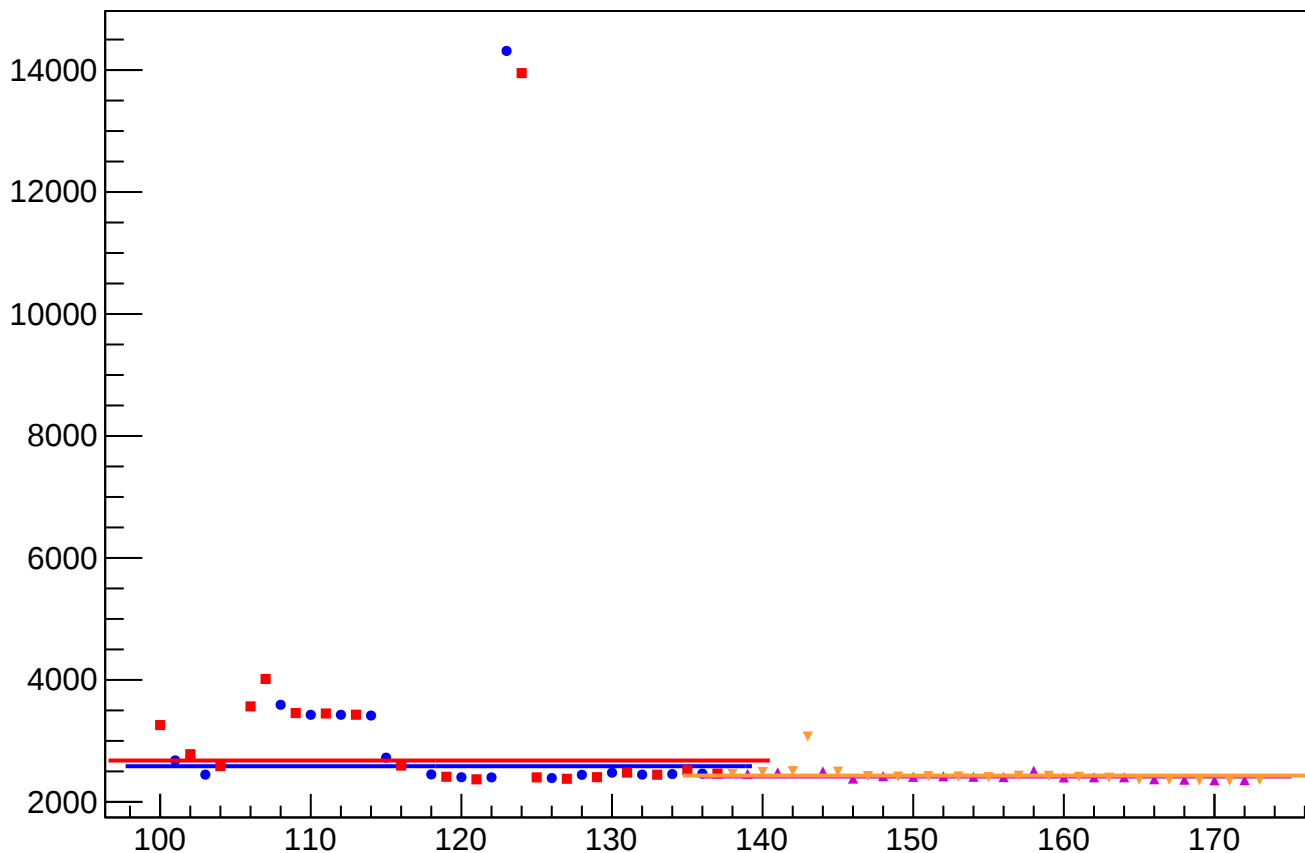
Left In: -1681.625 $\pm$ 665.476 χ^2 /NDF:21.9/16

+ sign 1658.746 $\pm$ 544.804 χ^2 /NDF: 29.1/35

All: 177.346 $\pm$ 389.802 χ^2 /NDF: 88.9/71

- sign -1376.455 $\pm$ 557.958 χ^2 /NDF: 44.7/35

reg_asym_atl1_rms vs Slug



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

Left Out: 2431.361+/-0.457 χ^2/NDF : 67472.1/18

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

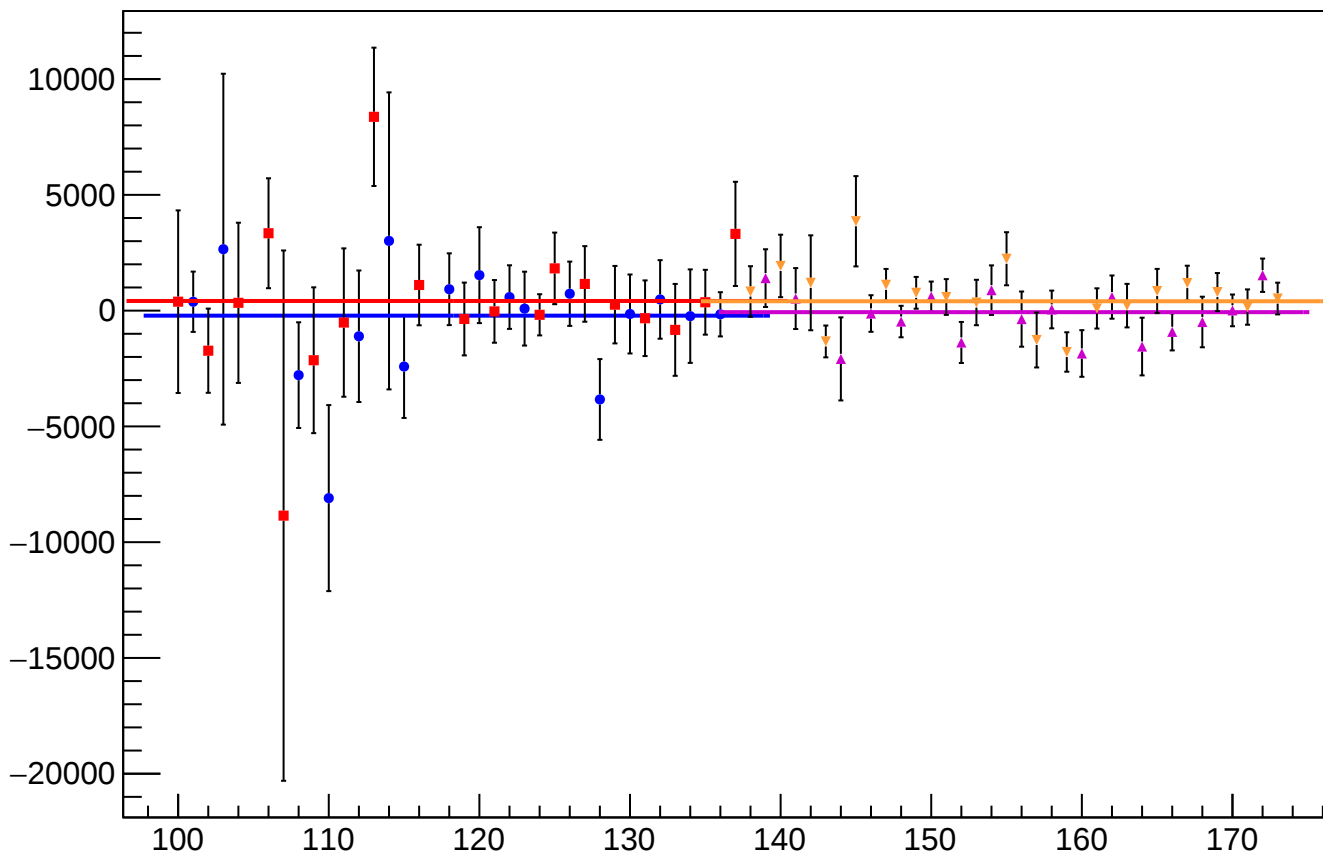
Left In: 2415.733+/-0.471 χ^2/NDF : 9745.9/16

+ sign 2475.709+/-0.385 χ^2/NDF : 355787.7/35

All: 2484.491+/-0.276 χ^2/NDF : 991124.0/71

- sign 2493.701+/-0.395 χ^2/NDF : 634271.7/35

asym_atl1_correction_mean vs Slug



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

Left Out: 405.603 ± 202.111 χ^2/NDF : 25.5/18

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

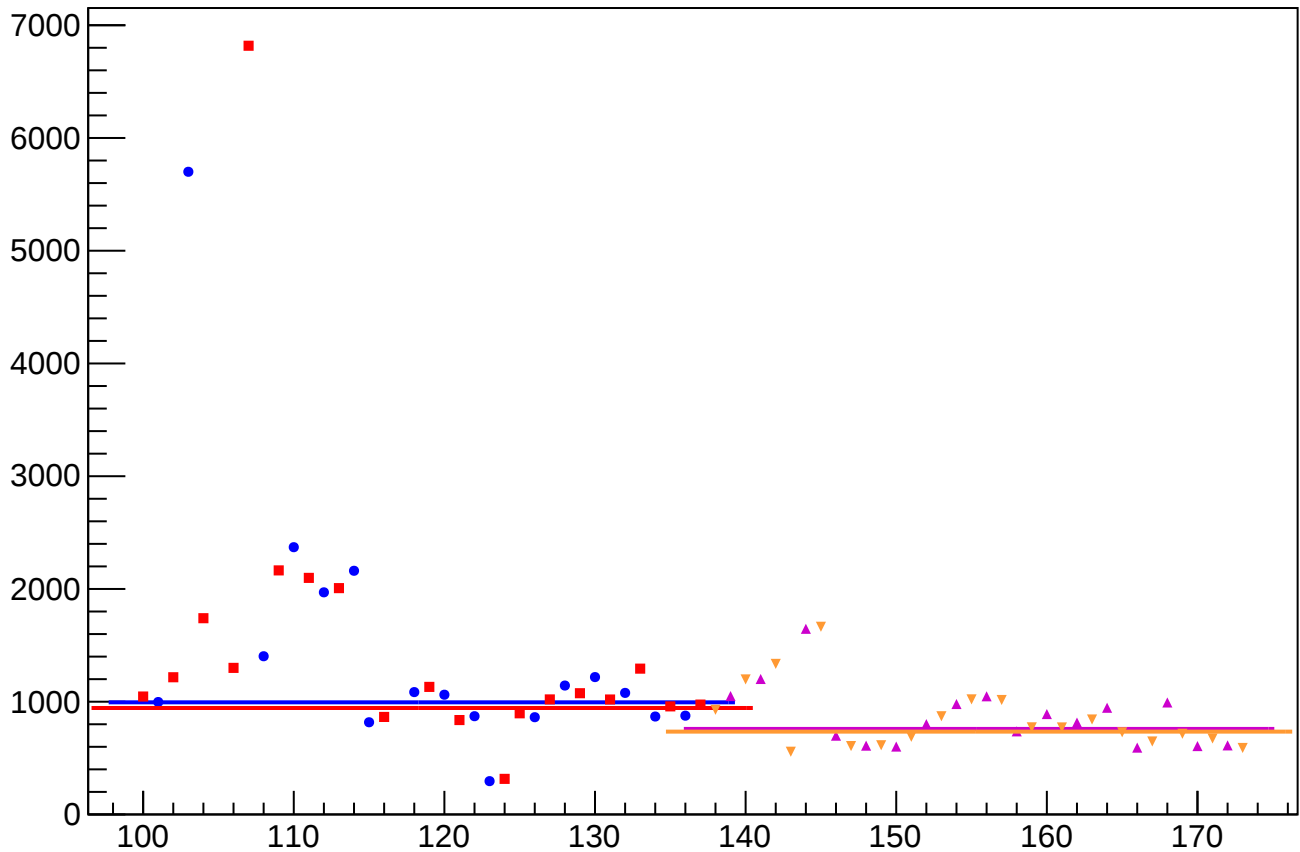
Left In: -65.919 ± 216.904 χ^2/NDF : 18.6/16

+ sign 288.569 ± 182.127 χ^2/NDF : 40.7/35

All: 170.661 ± 132.012 χ^2/NDF : 76.9/71

- sign 40.141 ± 191.622 χ^2/NDF : 35.4/35

asym_atl1_correction_rms vs Slug



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

Left Out: 734.653 ± 0.143 χ^2/NDF : 1638079.4/18

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

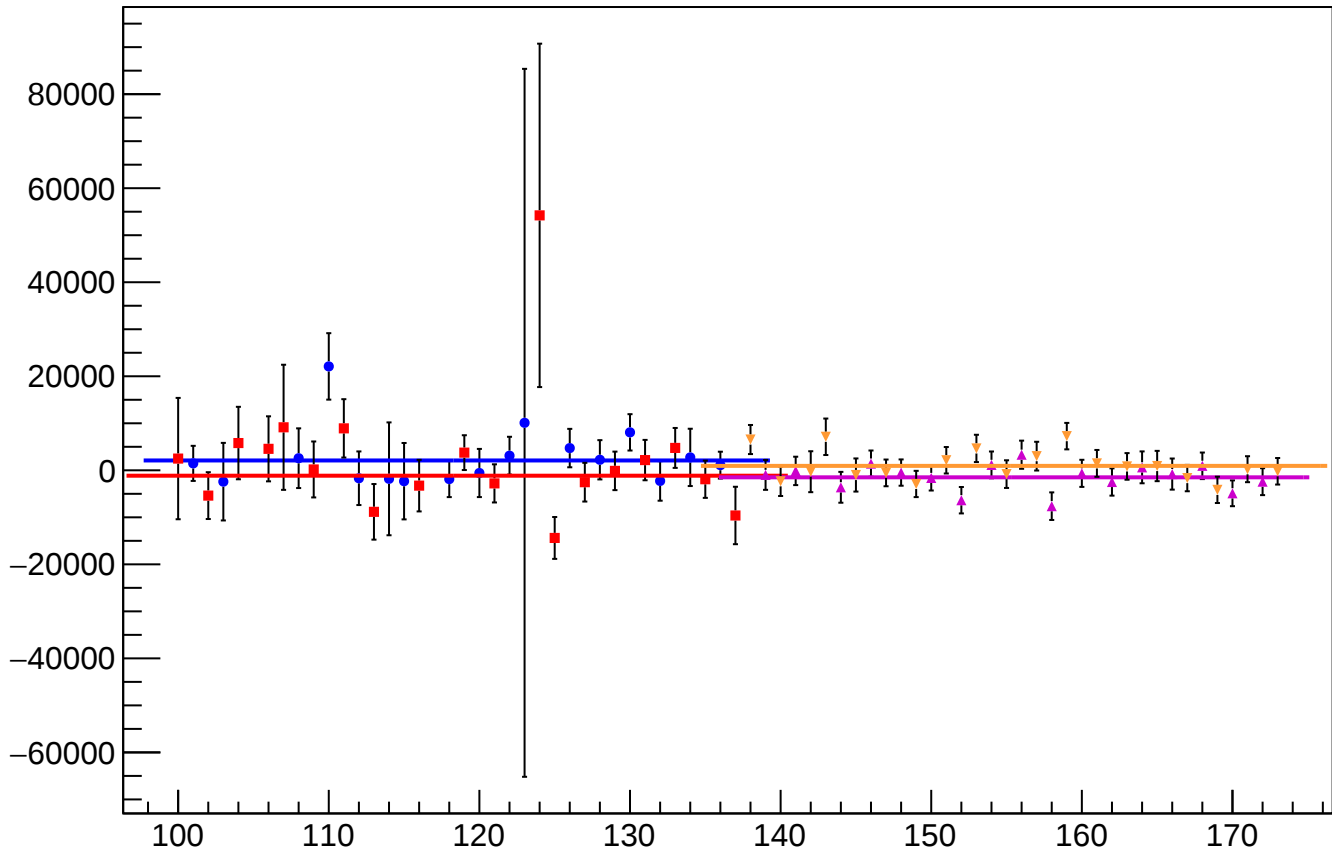
Left In: 758.615 ± 0.153 χ^2/NDF : 1704136.5/16

+ sign 783.504 ± 0.129 χ^2/NDF : 4164236.2/35

All: 791.037 ± 0.093 χ^2/NDF : 8863311.3/71

- sign 799.375 ± 0.135 χ^2/NDF : 4691866.9/35

asym_atl1_mean vs Slug



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

Left Out: 942.227+/-688.917 χ^2/NDF : 21.6/18

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

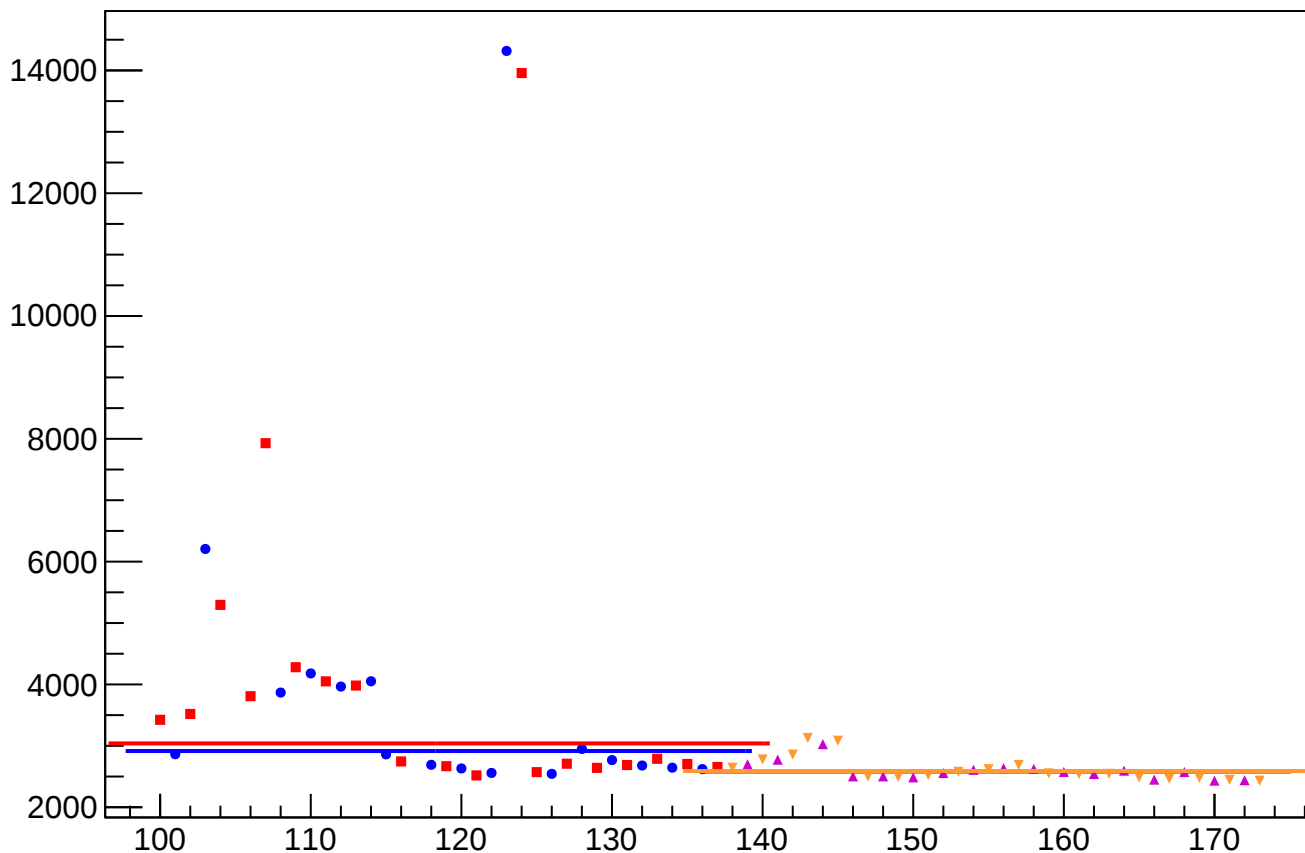
Left In: -1493.204+/-711.750 χ^2/NDF : 15.7/16

+ sign 1242.394+/-592.388 χ^2/NDF : 37.0/35

All: -40.090+/-425.115 χ^2/NDF : 87.6/71

- sign -1401.856+/-610.423 χ^2/NDF : 40.9/35

asym_atl1_rms vs Slug



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

Left Out: 2589.517+/-0.487 χ^2 /NDF:123327.4/18

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

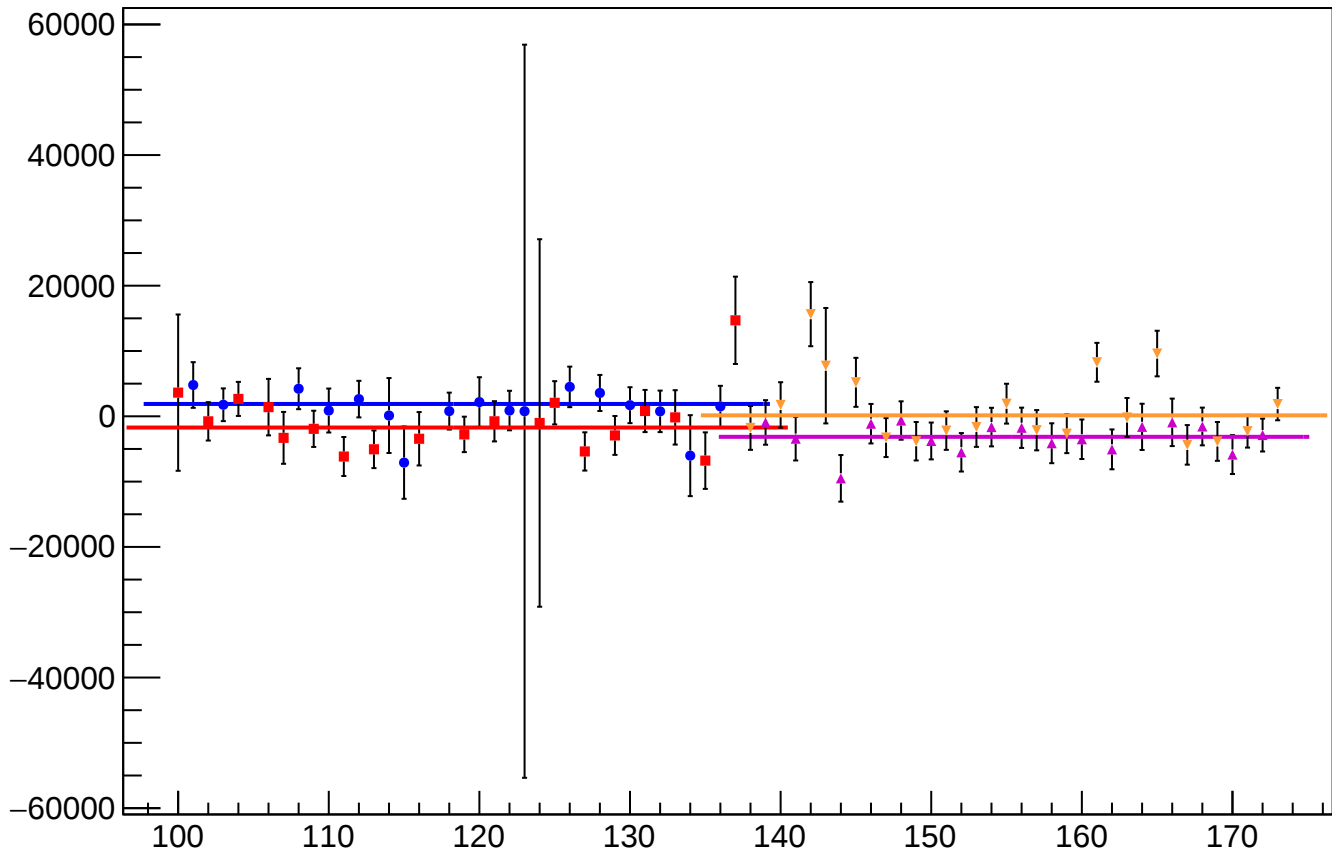
Left In: 2580.613+/-0.503 χ^2 /NDF:69323.2/16

+ sign 2674.391+/-0.419 χ^2 /NDF: 878947.7/35

All: 2687.720+/-0.301 χ^2 /NDF: 2181254.5/71

- sign 2701.873+/-0.432 χ^2 /NDF: 1300218.9/35

reg_asym_atl2_mean vs Slug



Right In: 1889.943 ± 811.431 $\chi^2/\text{NDF}: 7.3/16$

Left Out: 147.489 ± 721.146 $\chi^2/\text{NDF}: 39.2/18$

Right Out: -1719.130 ± 790.110 $\chi^2/\text{NDF}: 19.0/18$

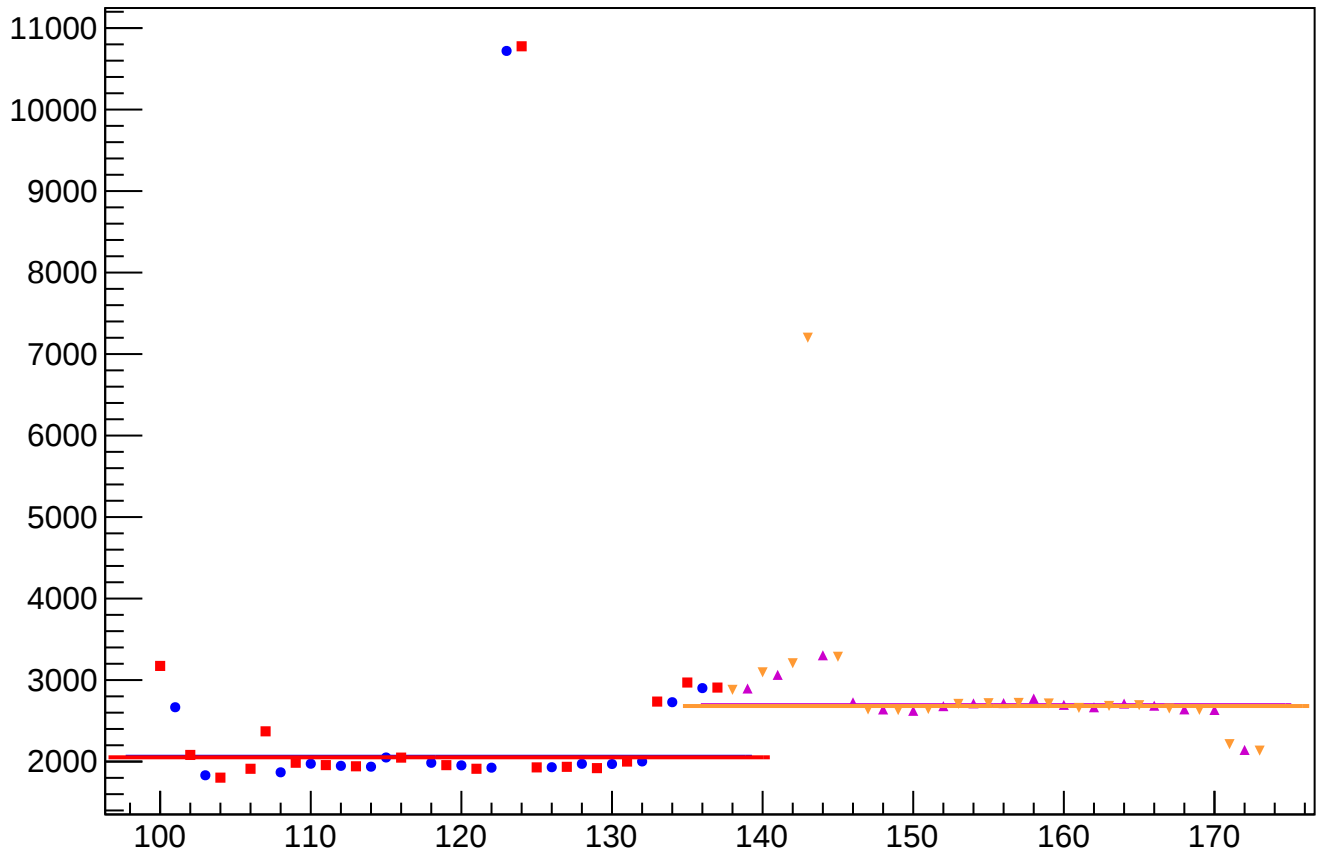
Left In: -3142.317 ± 743.333 $\chi^2/\text{NDF}: 8.1/16$

+ sign 916.422 ± 539.033 $\chi^2/\text{NDF}: 49.0/35$

All: -771.416 ± 381.987 $\chi^2/\text{NDF}: 97.5/71$

- sign -2474.097 ± 541.398 $\chi^2/\text{NDF}: 28.8/35$

reg_asym_atl2_rms vs Slug



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

Left Out: 2681.408+/-0.510 χ^2/NDF : 802722.2/18

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

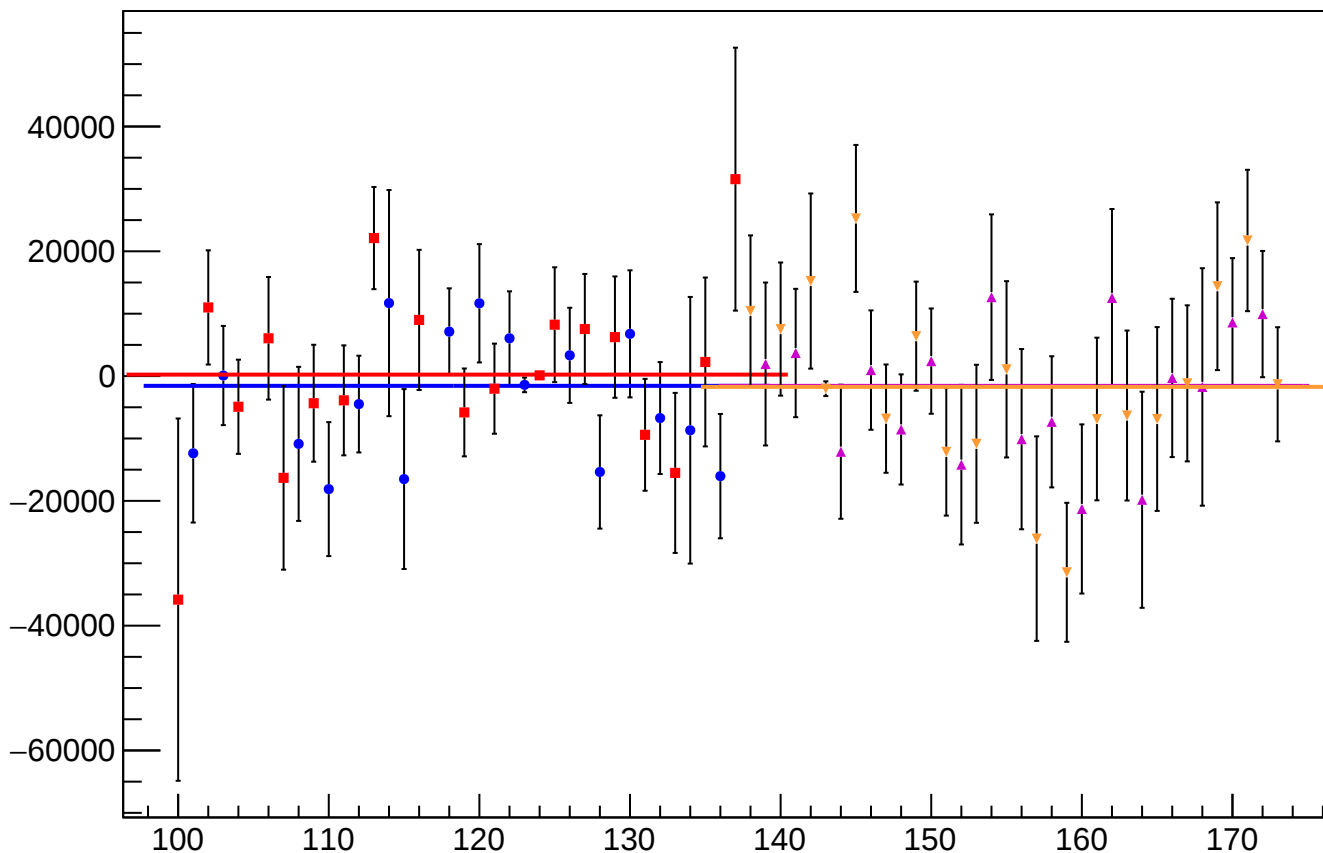
Left In: 2692.152+/-0.526 χ^2/NDF : 191564.7/16

+ sign 2406.727+/-0.381 χ^2/NDF : 1778808.9/35

All: 2399.249+/-0.270 χ^2/NDF : 3110352.4/71

- sign 2391.706+/-0.383 χ^2/NDF : 1330770.3/35

asym_atl2_correction_mean vs Slug



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

Left Out: -1727.645+/-1085.052 χ^2/NDF : 26.8/18

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

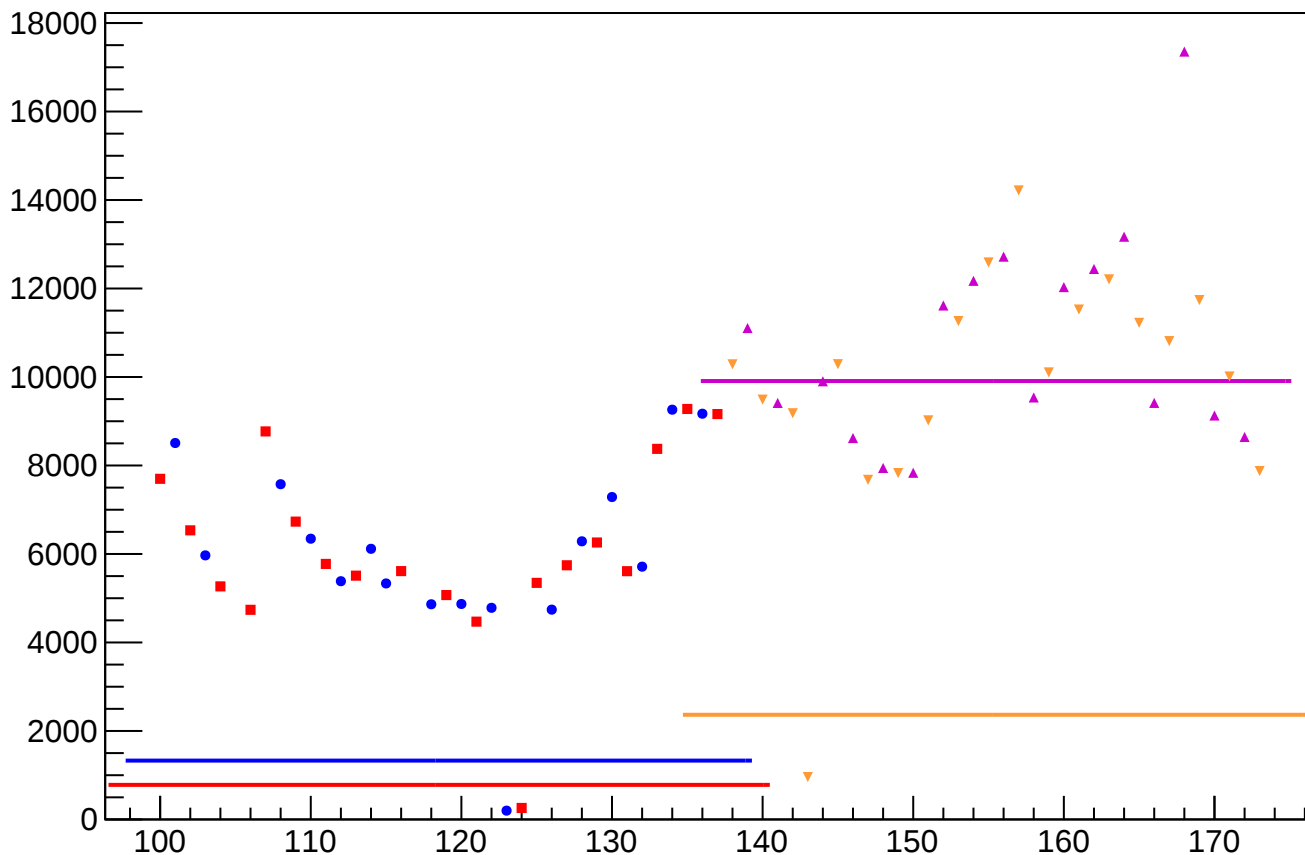
Left In: -1568.863+/-2781.264 χ^2/NDF : 11.5/16

+ sign -1643.041+/-756.010 χ^2/NDF : 43.0/35

All: -655.683+/-503.270 χ^2/NDF : 78.7/71

- sign 130.060+/-674.420 χ^2/NDF : 32.7/35

asym_atl2_correction_rms vs Slug



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

Left Out: 2365.828+/-0.767 χ^2/NDF : 18653087.5/18

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

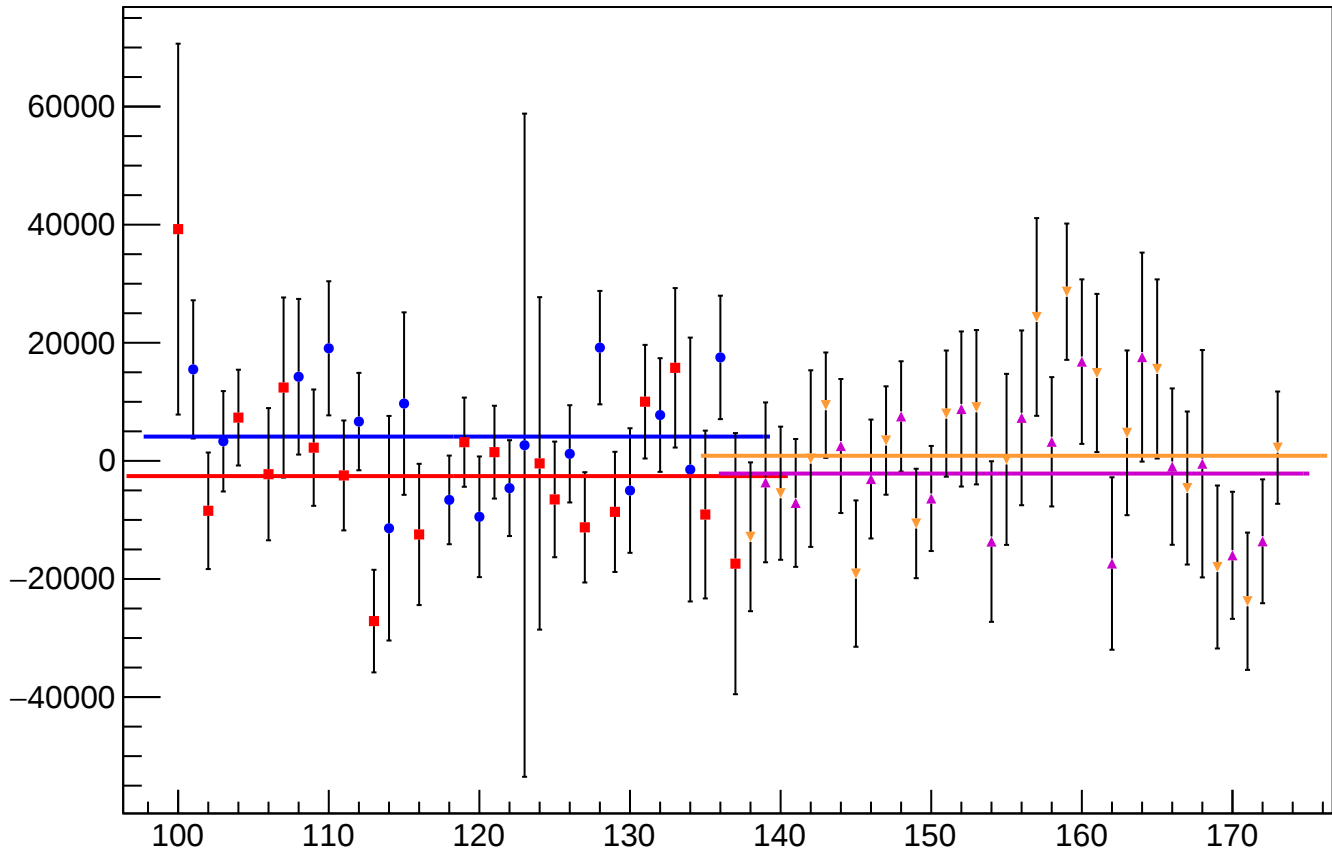
Left In: 9909.004+/-1.967 χ^2/NDF : 984641.6/16

+ sign 1832.982+/-0.535 χ^2/NDF : 29637292.1/35

All: 1546.504+/-0.356 χ^2/NDF : 62849645.1/71

- sign 1318.523+/-0.477 χ^2/NDF : 32696628.3/35

asym_atl2_mean vs Slug



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

Left Out: 865.881+/-2707.574 χ^2/NDF : 23.9/18

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

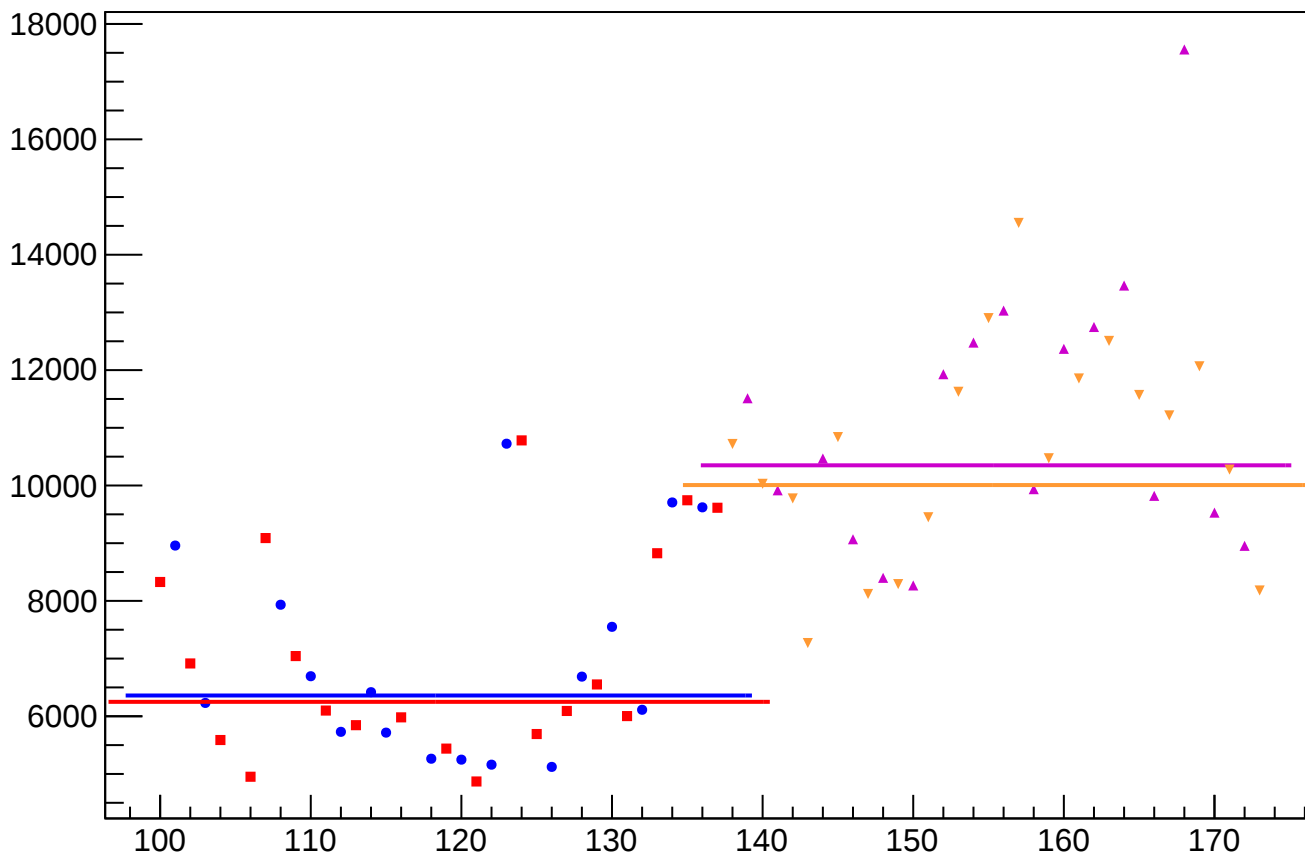
Left In: -2148.987+/-2898.929 χ^2/NDF : 10.8/16

+ sign 2595.919+/-1850.303 χ^2/NDF : 39.0/35

All: 107.504+/-1311.068 χ^2/NDF : 73.4/71

- sign -2401.605+/-1857.980 χ^2/NDF : 30.8/35

asym_atl2_rms vs Slug



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

Left Out: 10007.649 ± 1.915 χ^2/NDF : 884288.0/18

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

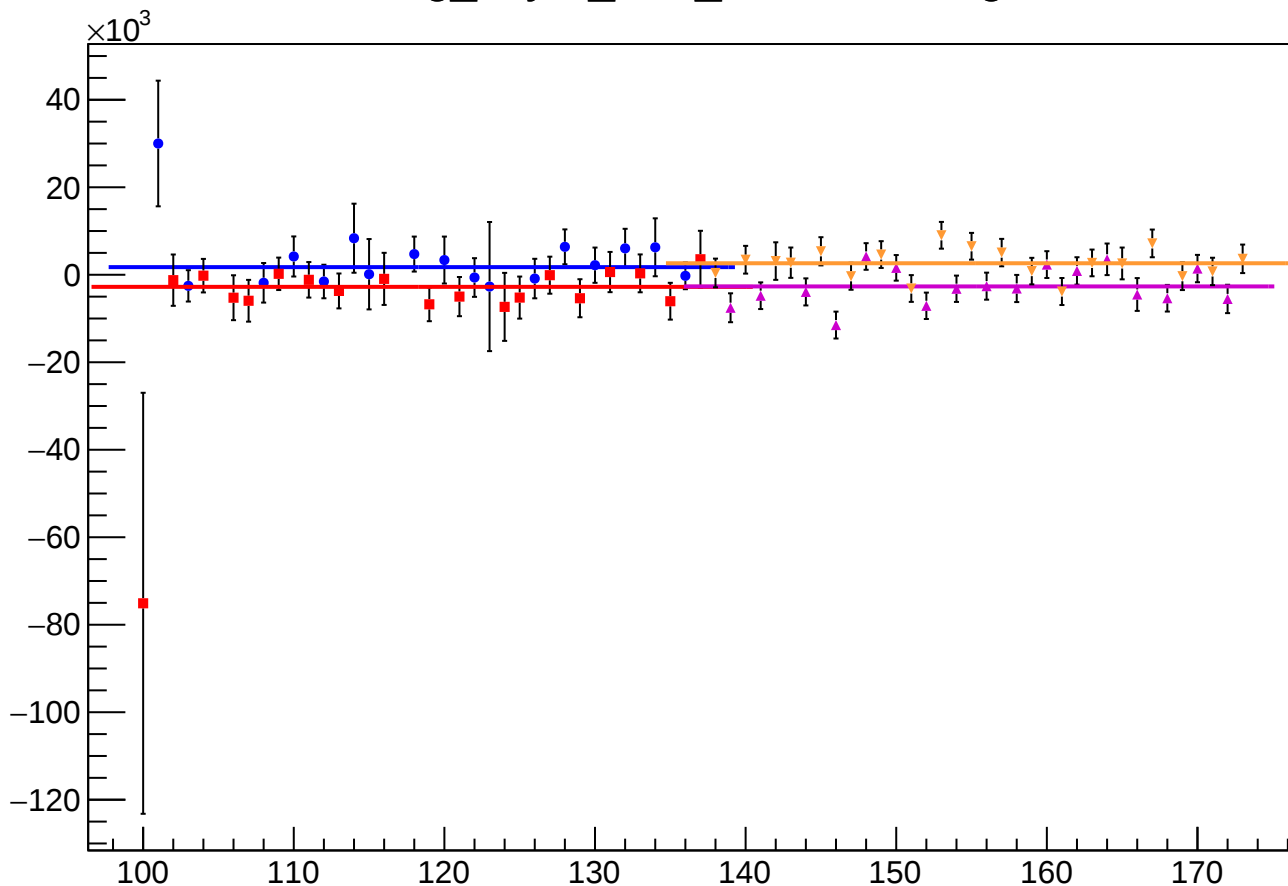
Left In: 10349.889 ± 2.050 χ^2/NDF : 882311.3/16

+ sign 8063.437 ± 1.308 χ^2/NDF : 3399552.5/35

All: 7999.025 ± 0.927 χ^2/NDF : 7176830.3/71

- sign 7934.081 ± 1.314 χ^2/NDF : 3772410.5/35

reg_asym_atr1_mean vs Slug



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

Left Out: 2630.897 $\pm$ 734.781 χ^2 /NDF:20.8/18

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

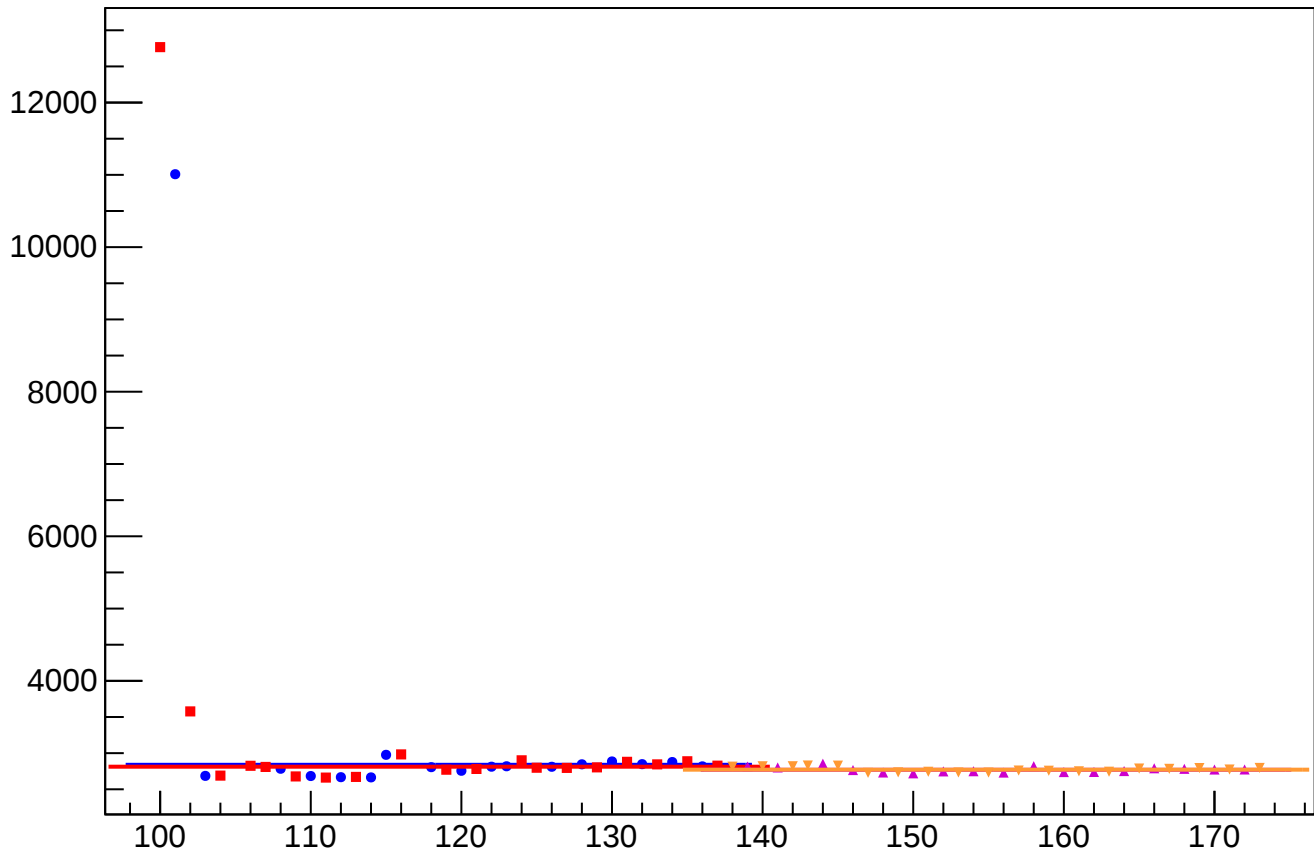
Left In: -2666.579 $\pm$ 761.367 χ^2 /NDF:30.9/16

+ sign 2367.447 $\pm$ 615.763 χ^2 /NDF: 33.5/35

All: -145.531 $\pm$ 437.155 χ^2 /NDF: 107.7/71

- sign -2699.200 $\pm$ 620.728 χ^2 /NDF: 40.6/35

reg_asym_atr1_rms vs Slug



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

Left Out: 2771.374 $\pm$ 0.520 χ^2 /NDF: 4335.5/18

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

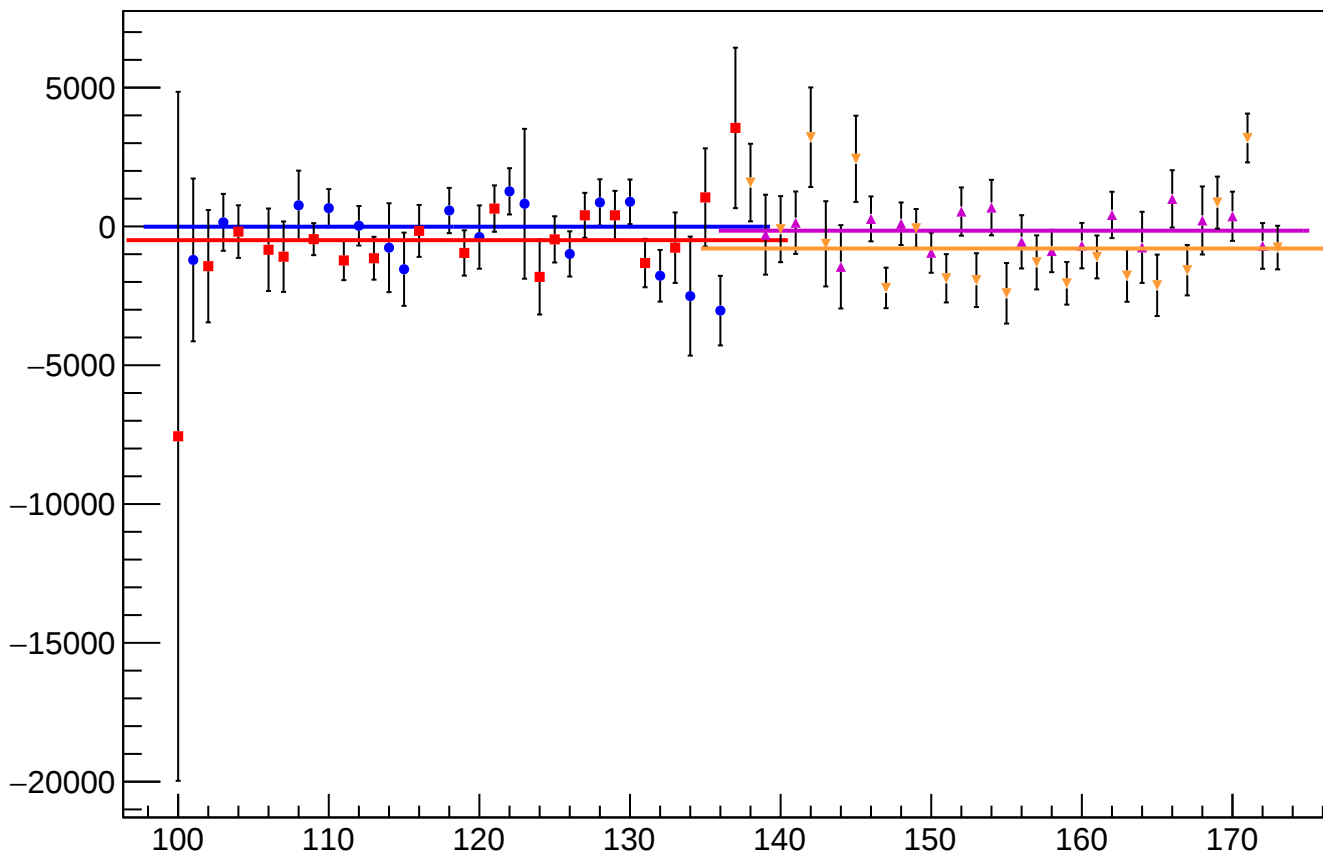
Left In: 2769.221 $\pm$ 0.538 χ^2 /NDF: 4529.7/16

+ sign 2791.430 $\pm$ 0.435 χ^2 /NDF: 669549.3/35

All: 2787.634 $\pm$ 0.309 χ^2 /NDF: 809476.0/71

- sign 2783.776 $\pm$ 0.439 χ^2 /NDF: 139773.5/35

asym_atr1_correction_mean vs Slug



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

Left Out: -795.040 ± 217.369 χ^2/NDF : 52.5/18

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

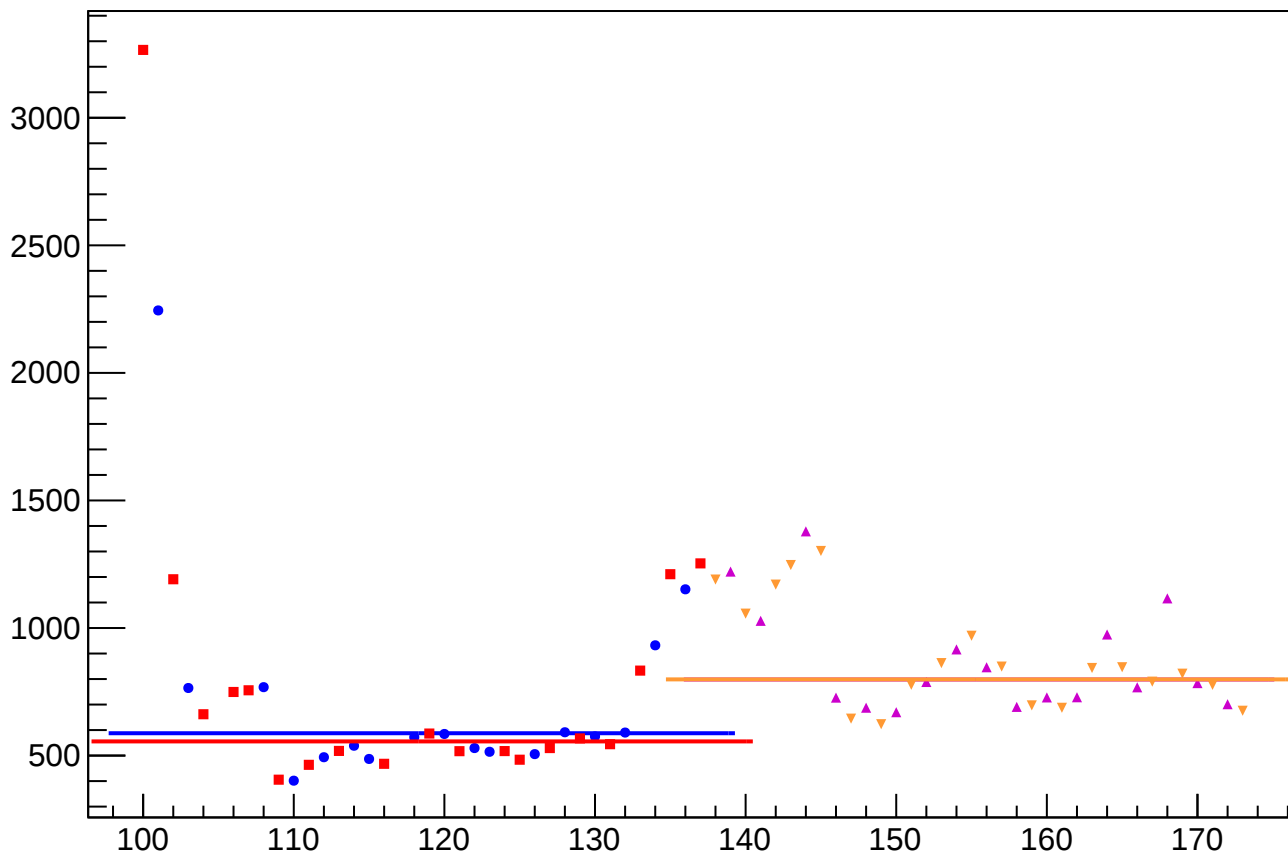
Left In: -153.261 ± 224.231 χ^2/NDF : 8.1/16

+ sign -443.907 ± 161.616 χ^2/NDF : 79.0/35

All: -383.646 ± 112.824 χ^2/NDF : 100.4/71

- sign -326.361 ± 157.576 χ^2/NDF : 21.1/35

asym_atr1_correction_rms vs Slug



Right In: 587.596 $\pm$ 0.171 χ^2 /NDF: 1425769.6/16

Left Out: 798.663 $\pm$ 0.154 χ^2 /NDF:1134033.4/18

Right Out: 555.534 $\pm$ 0.157 χ^2 /NDF: 1106760.5/18

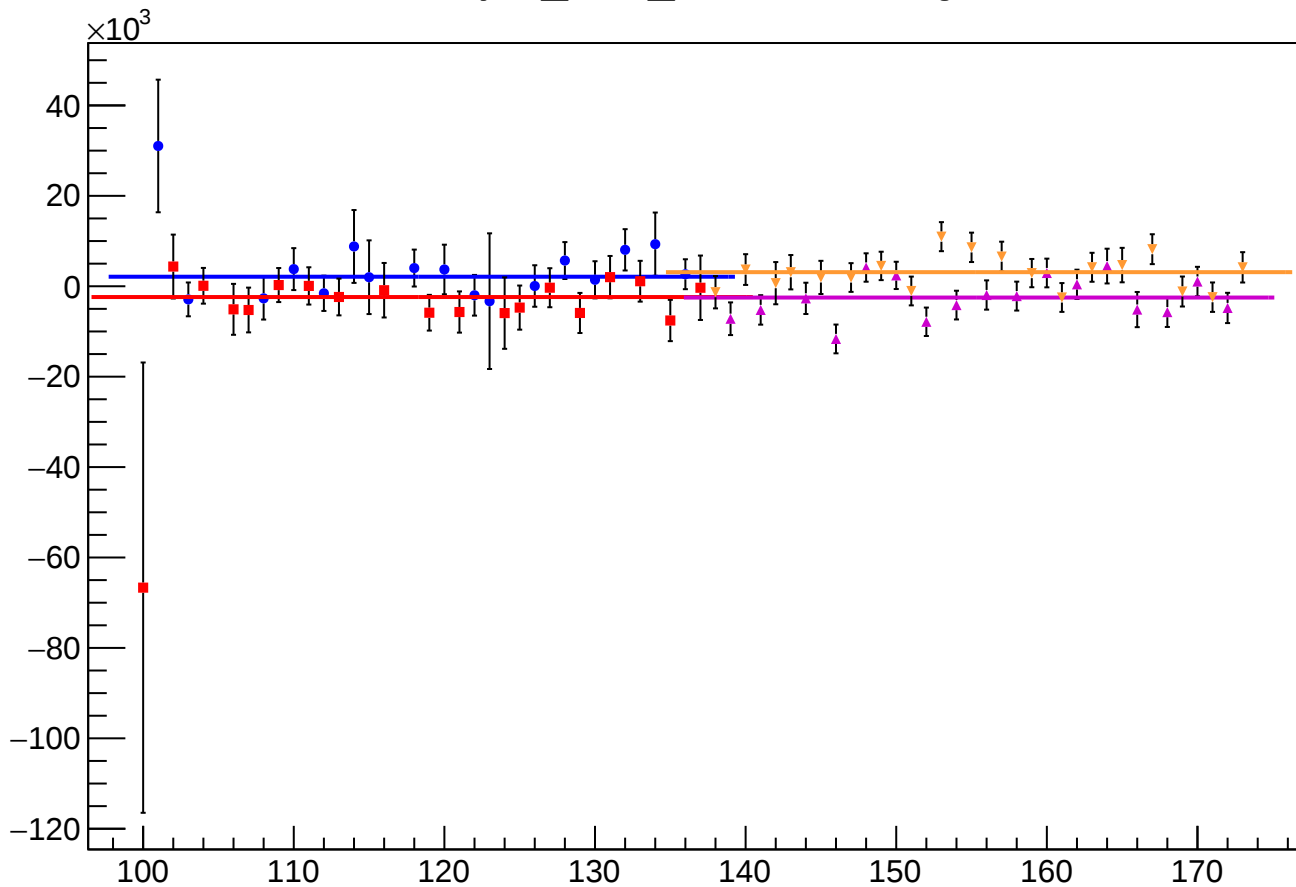
Left In: 798.145 $\pm$ 0.159 χ^2 /NDF:979417.0/16

+ sign 704.276 $\pm$ 0.114 χ^2 /NDF: 3403078.4/35

All: 689.445 $\pm$ 0.080 χ^2 /NDF: 6707177.9/71

- sign 675.346 $\pm$ 0.111 χ^2 /NDF: 3271246.0/35

asym_atr1_mean vs Slug



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

Left Out: 3119.068 $\pm$ 774.005 χ^2 /NDF:24.3/18

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

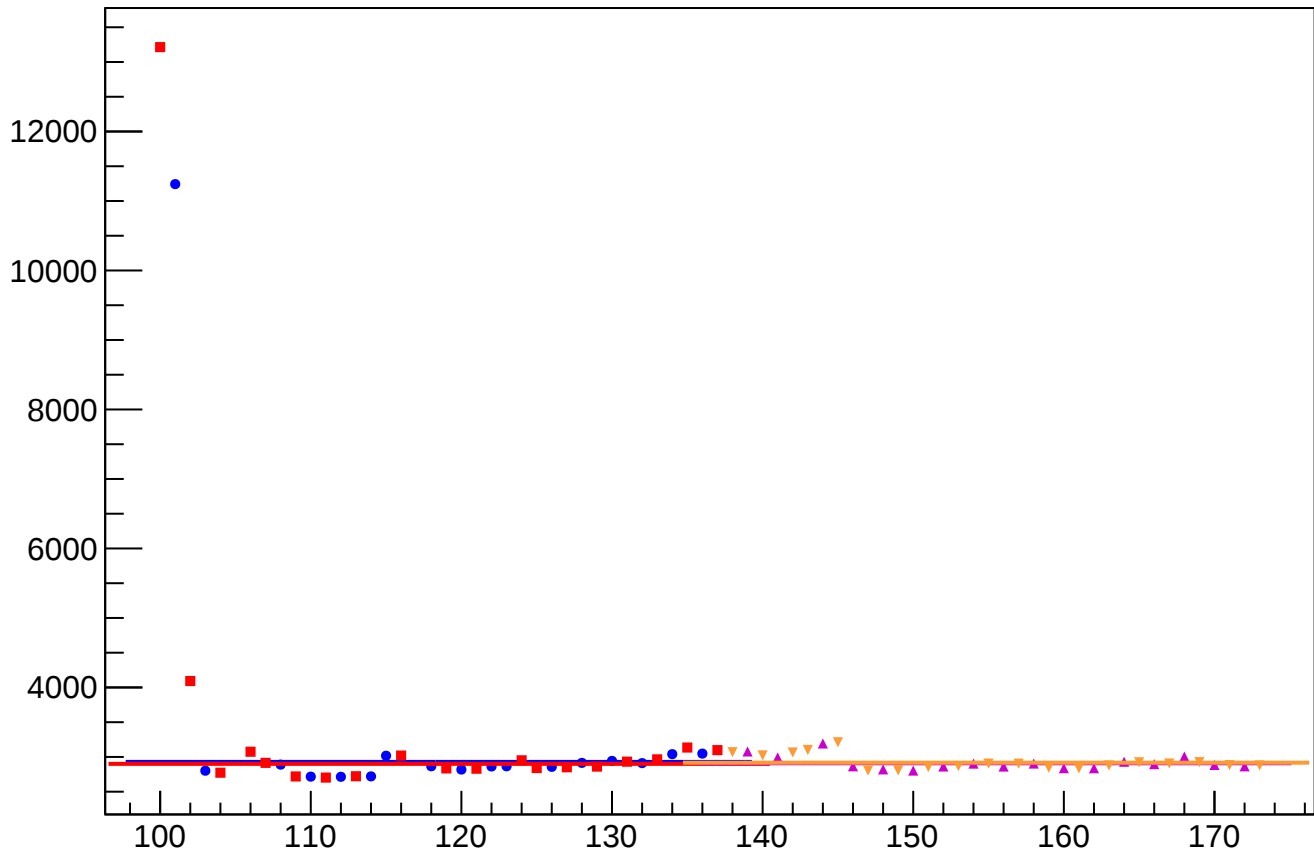
Left In: -2497.718 $\pm$ 800.079 χ^2 /NDF:31.1/16

+ sign 2809.355 $\pm$ 644.577 χ^2 /NDF: 38.3/35

All: 193.346 $\pm$ 457.375 χ^2 /NDF: 112.5/71

- sign -2459.481 $\pm$ 649.097 χ^2 /NDF: 41.0/35

asym_atr1_rms vs Slug



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

Left Out: 2917.414+/-0.547 χ^2/NDF : 34506.7/18

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

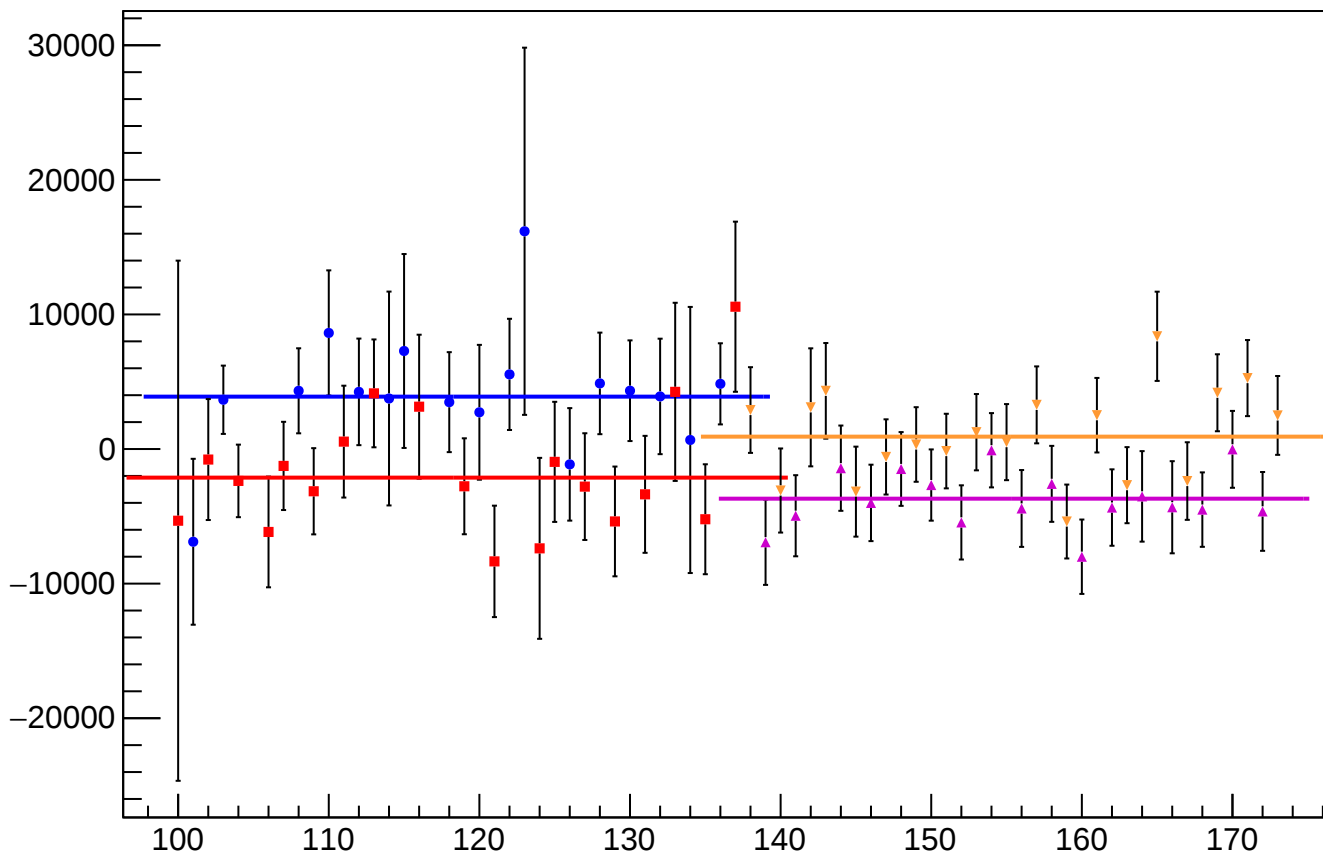
Left In: 2908.663+/-0.566 χ^2/NDF : 28781.0/16

+ sign 2920.873+/-0.456 χ^2/NDF : 696999.9/35

All: 2913.421+/-0.323 χ^2/NDF : 896111.6/71

- sign 2905.864+/-0.459 χ^2/NDF : 198573.3/35

reg_asym_atr2_mean vs Slug



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

Left Out: 920.430+/-682.636 χ^2/NDF : 23.4/18

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

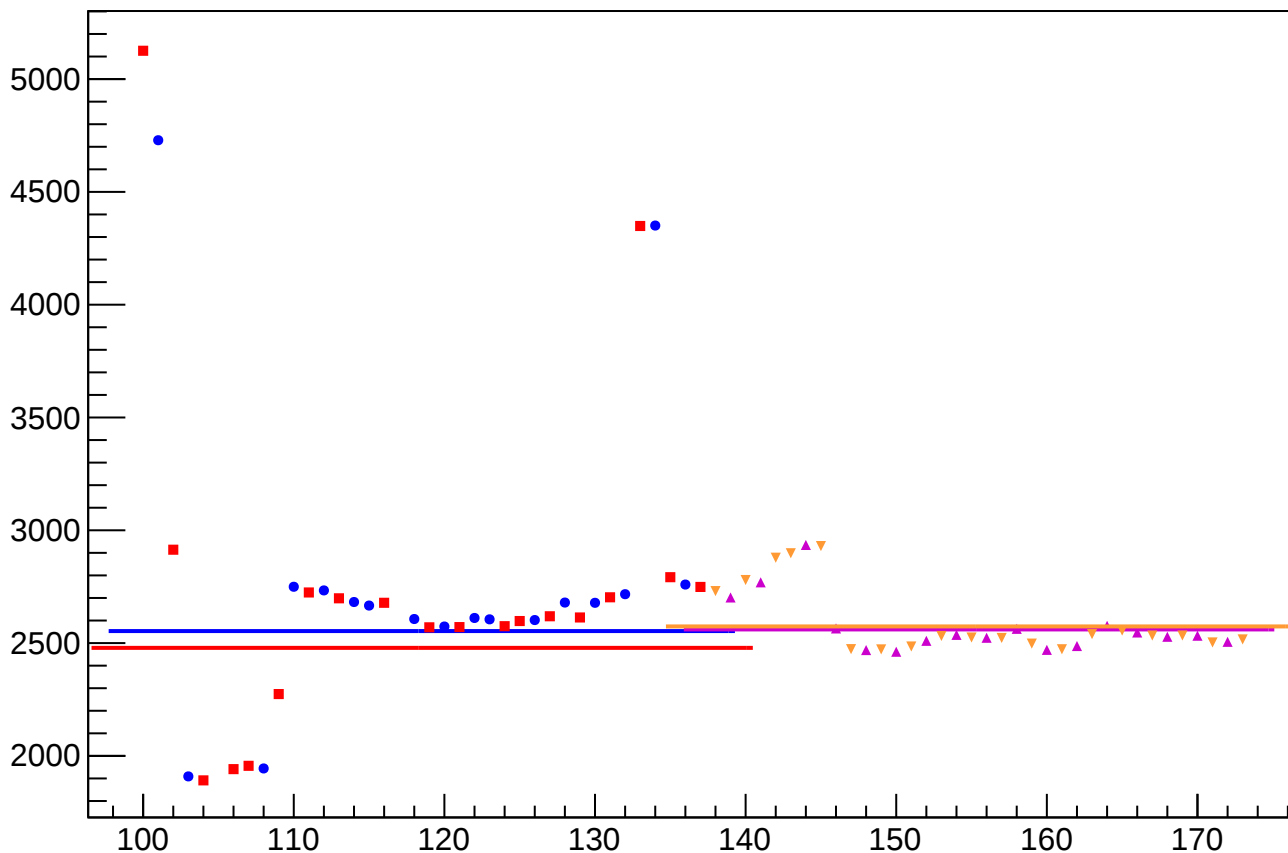
Left In: -3688.693+/-703.747 χ^2/NDF : 9.2/16

+ sign 1850.205+/-565.873 χ^2/NDF : 36.5/35

All: -639.252+/-400.618 χ^2/NDF : 100.6/71

- sign -3140.831+/-567.249 χ^2/NDF : 25.3/35

reg_asym_atr2_rms vs Slug



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

Left Out: 2573.850 ± 0.483 χ^2/NDF : 78951.7/18

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

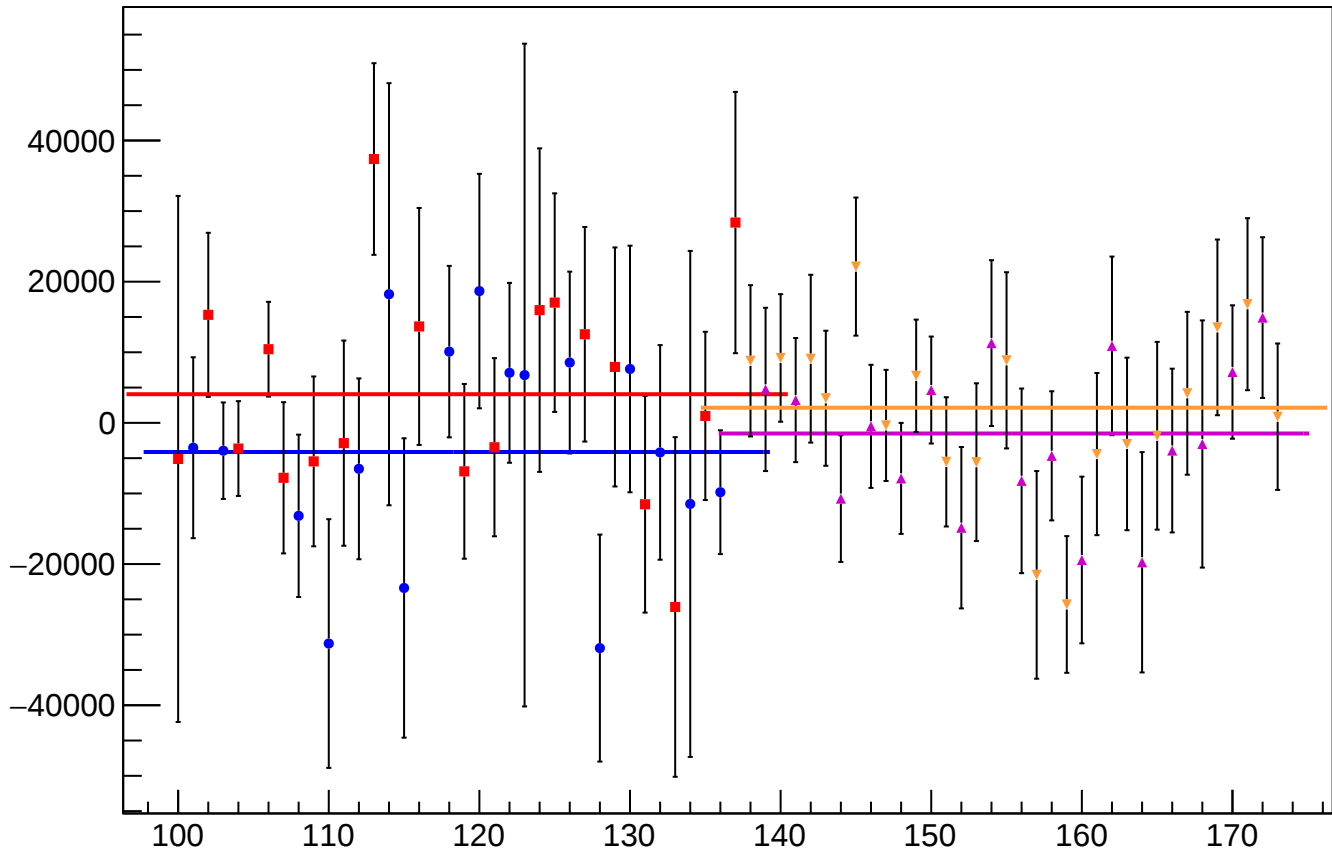
Left In: 2560.500 ± 0.498 χ^2/NDF : 52455.5/16

+ sign 2567.415 ± 0.400 χ^2/NDF : 624746.7/35

All: 2549.702 ± 0.283 χ^2/NDF : 1140062.5/71

- sign 2531.902 ± 0.401 χ^2/NDF : 511386.7/35

asym_atr2_correction_mean vs Slug



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

Left Out: 2148.291 ± 2404.711 χ^2/NDF : 21.2/18

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

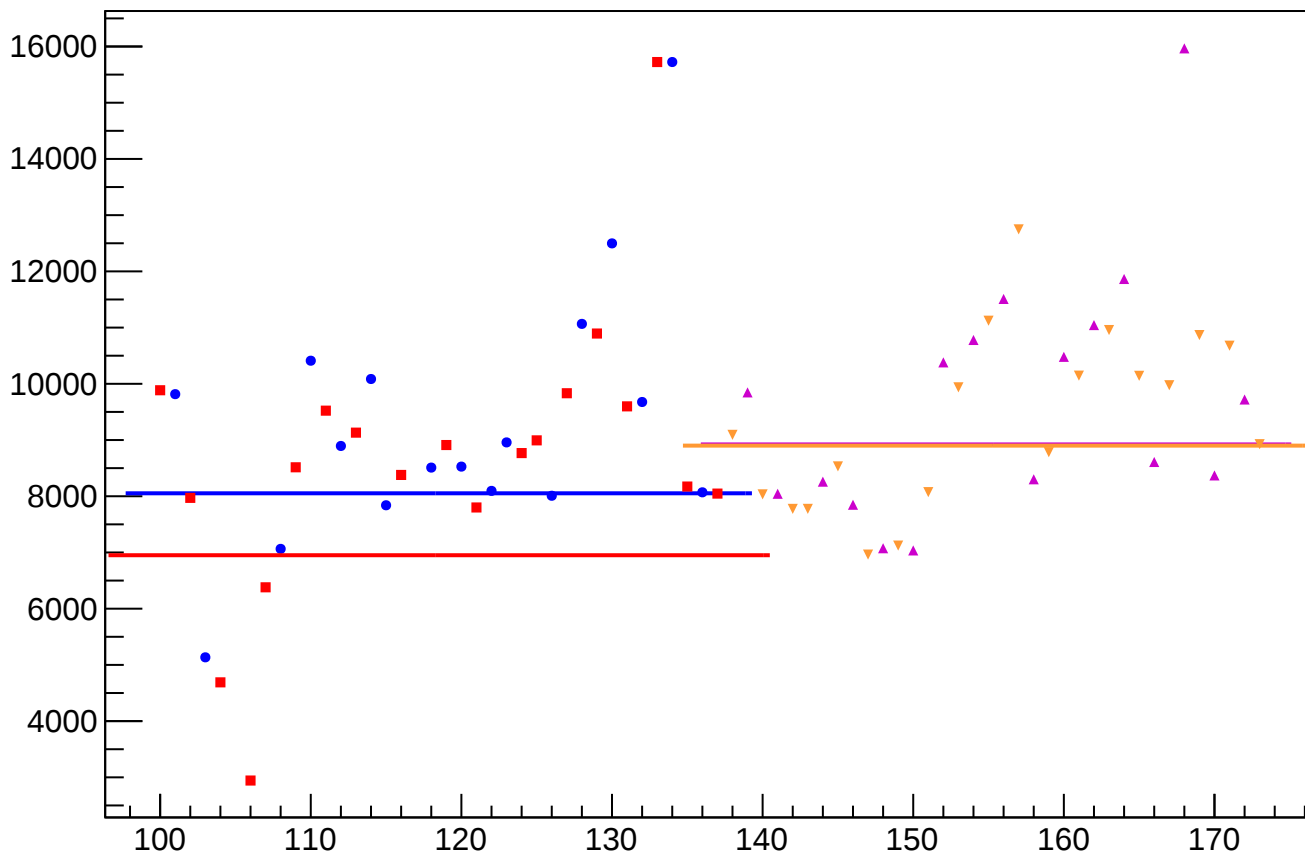
Left In: -1506.136 ± 2504.327 χ^2/NDF : 13.5/16

+ sign -91.940 ± 1928.226 χ^2/NDF : 37.0/35

All: 435.086 ± 1344.876 χ^2/NDF : 71.4/71

- sign 934.324 ± 1876.705 χ^2/NDF : 34.2/35

asym_atr2_correction_rms vs Slug



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

Left Out: 8900.493 $\pm$ 1.700 χ^2 /NDF: 730047.4/18

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

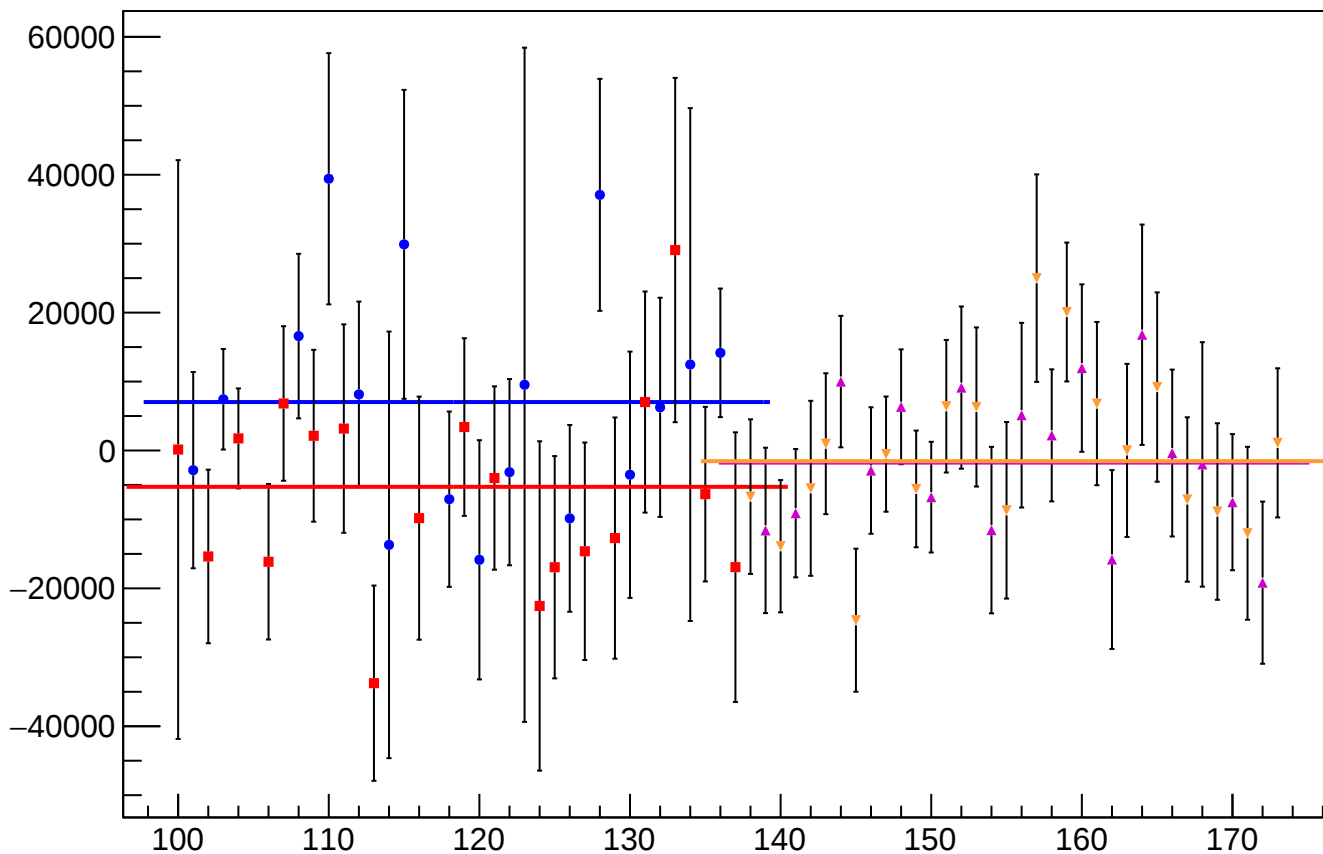
Left In: 8921.877 $\pm$ 1.771 χ^2 /NDF: 982542.7/16

+ sign 8597.752 $\pm$ 1.363 χ^2 /NDF: 1609557.0/35

All: 8320.454 $\pm$ 0.951 χ^2 /NDF: 4992328.7/71

- sign 8057.777 $\pm$ 1.327 χ^2 /NDF: 3302227.6/35

asym_atr2_mean vs Slug



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

Left Out: -1548.303+/-2518.165 χ^2/NDF : 18.8/18

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

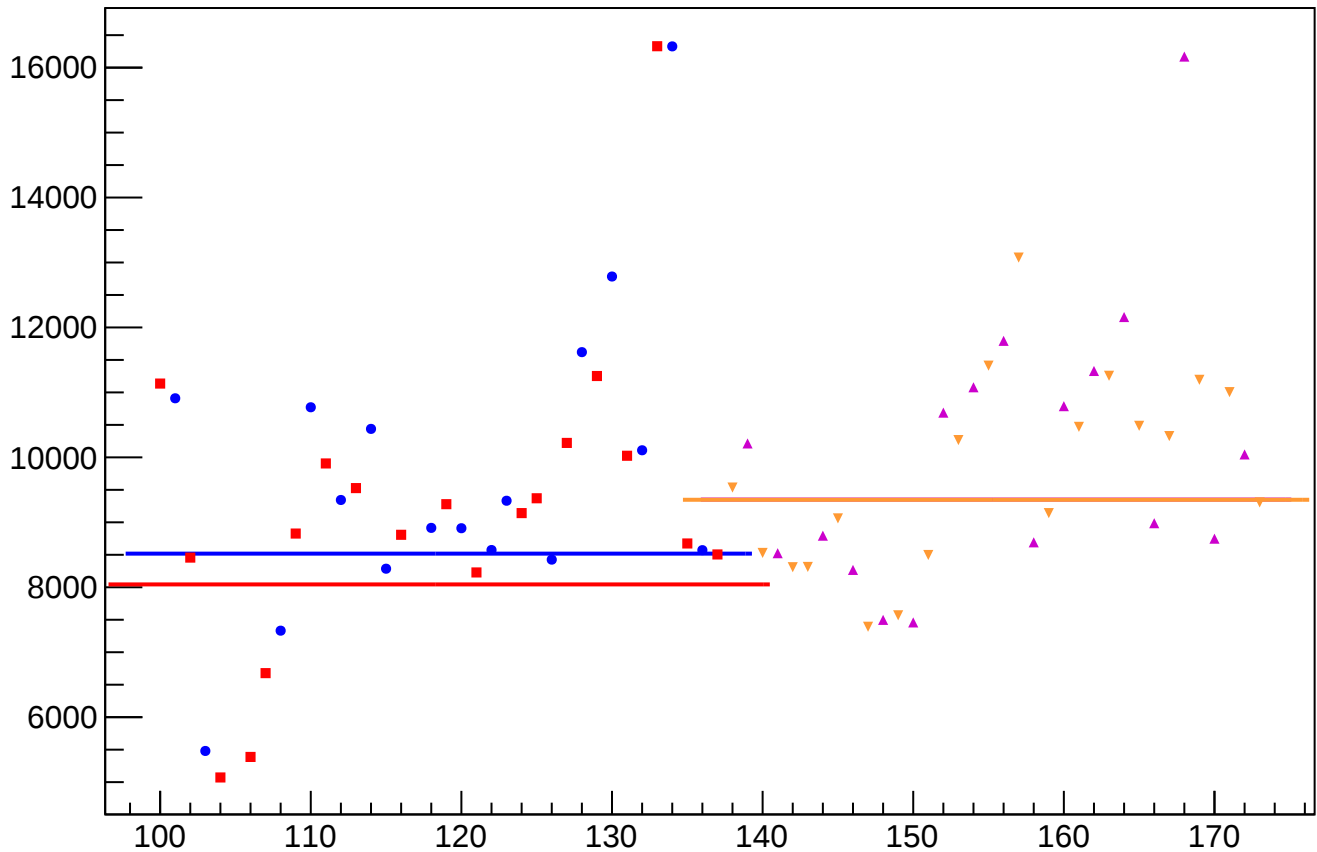
Left In: -1755.511+/-2617.275 χ^2/NDF : 12.4/16

+ sign 1477.851+/-2025.586 χ^2/NDF : 37.9/35

All: -860.962+/-1429.544 χ^2/NDF : 67.1/71

- sign -3181.823+/-2017.797 χ^2/NDF : 26.5/35

asym_atr2_rms vs Slug



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

Left Out: 9347.094 $\pm$ 1.781 χ^2 /NDF: 620362.3/18

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

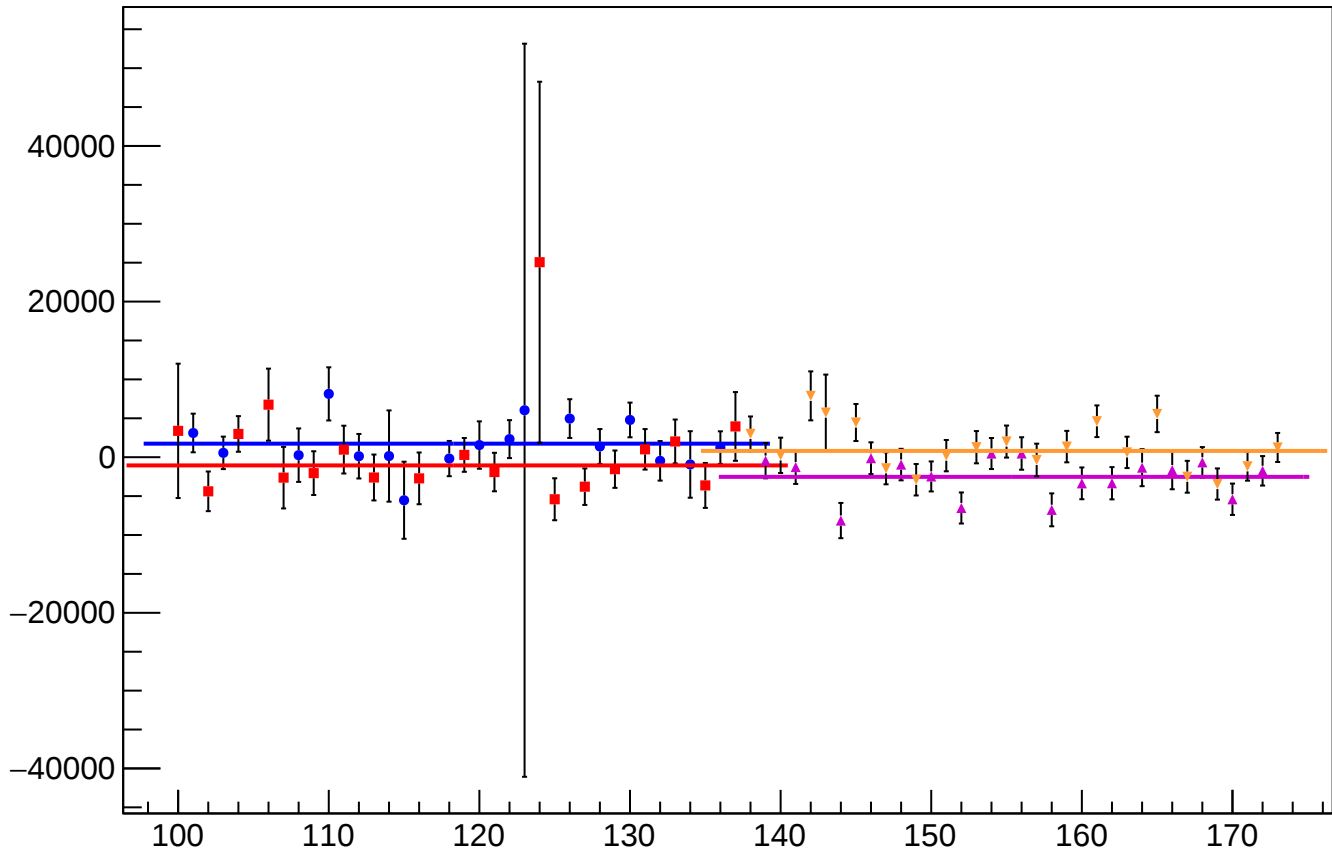
Left In: 9350.381 $\pm$ 1.851 χ^2 /NDF: 862129.1/16

+ sign 9054.419 $\pm$ 1.432 χ^2 /NDF: 1460187.6/35

All: 8936.982 $\pm$ 1.011 χ^2 /NDF: 3489961.9/71

- sign 8820.449 $\pm$ 1.427 χ^2 /NDF: 2016380.8/35

reg_asym_atl_avg_mean vs Slug



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

Left Out: 807.851 ± 492.596 χ^2/NDF : 30.8/18

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

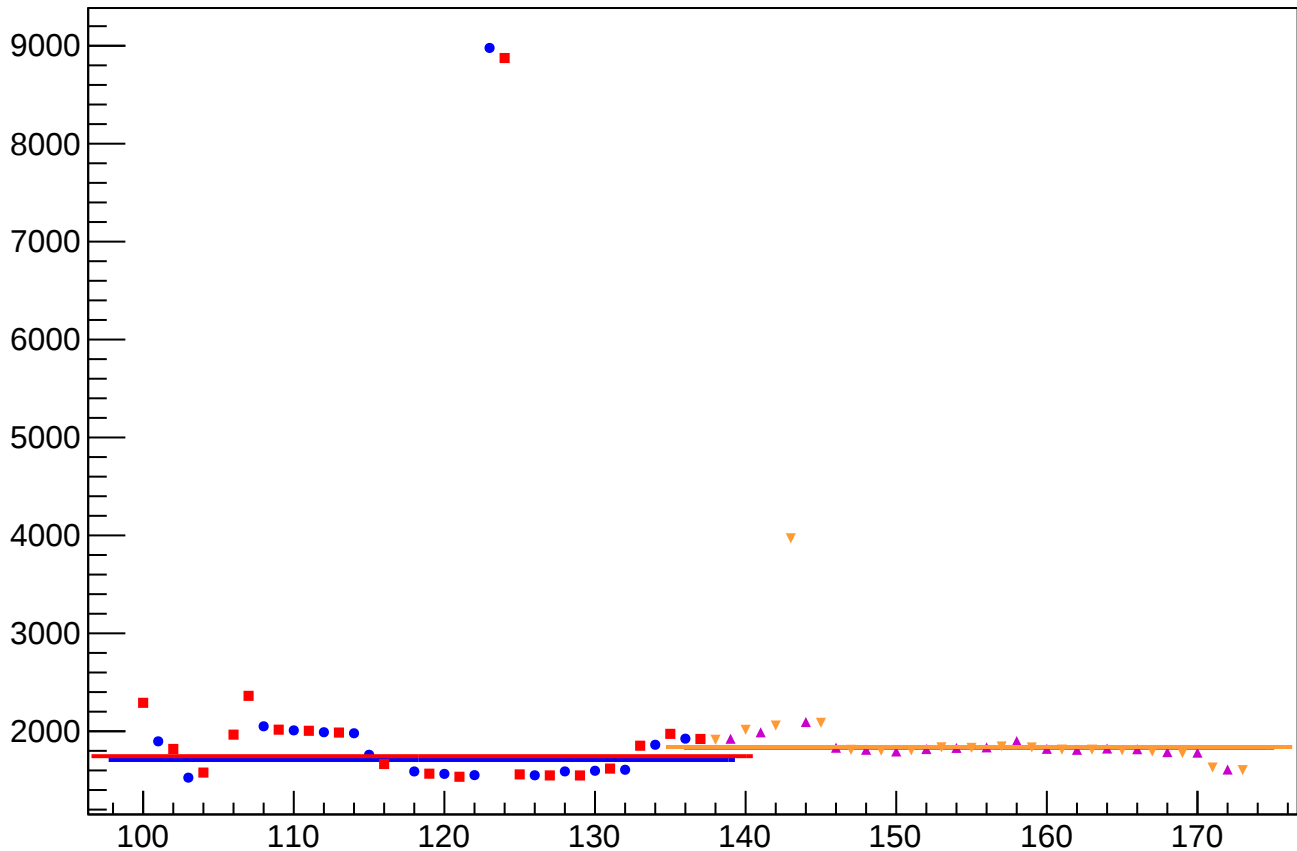
Left In: -2526.347 ± 505.748 χ^2/NDF : 25.5/16

+ sign 1134.546 ± 396.957 χ^2/NDF : 44.5/35

All: -402.465 ± 283.104 χ^2/NDF : 122.4/71

- sign -1993.496 ± 403.872 χ^2/NDF : 47.4/35

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1839.475+/-0.348 χ^2/NDF : 489408.8/18

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

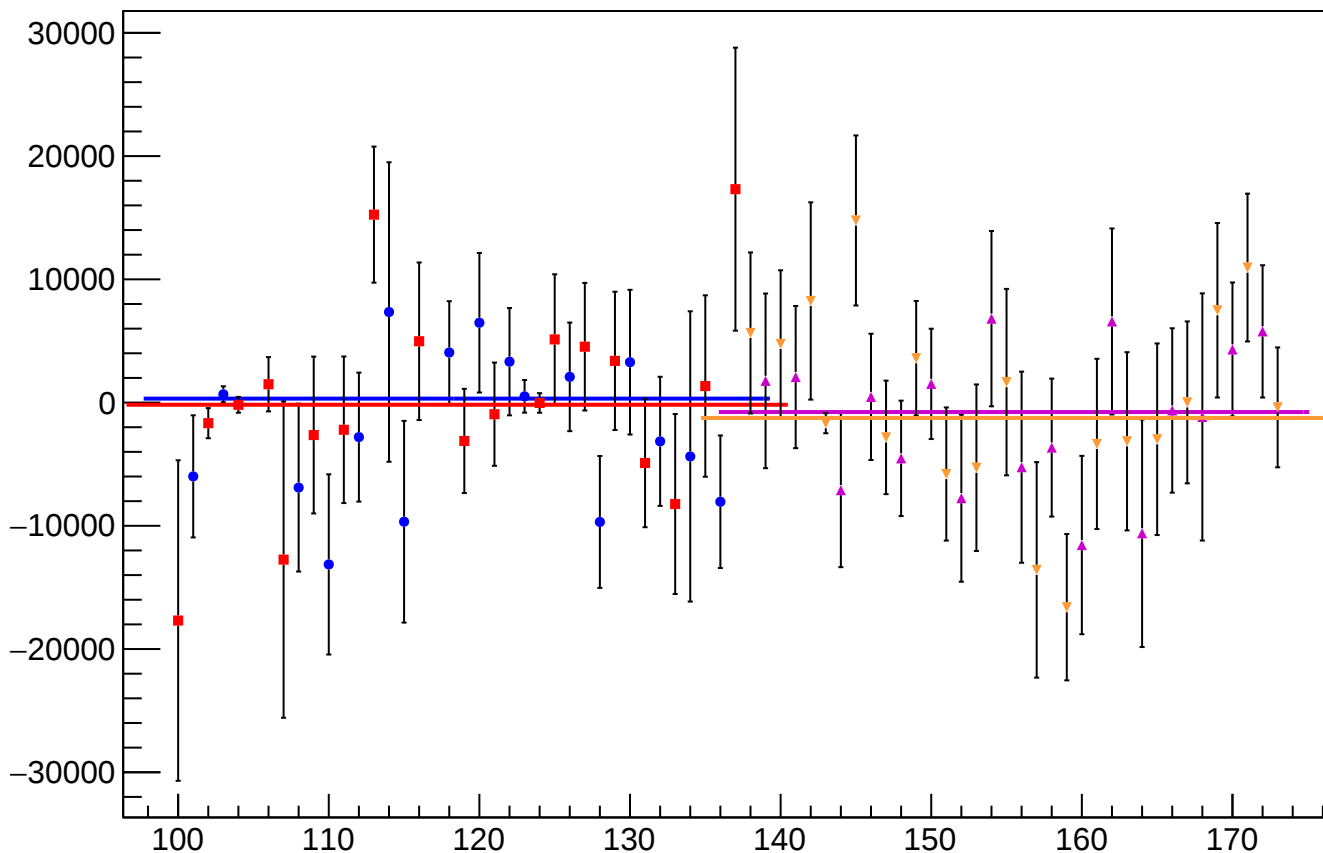
Left In: 1832.435+/-0.358 χ^2/NDF : 74175.5/16

+ sign 1792.981+/-0.281 χ^2/NDF : 737781.4/35

All: 1796.797+/-0.200 χ^2/NDF : 1233709.0/71

- sign 1800.735+/-0.285 χ^2/NDF : 495552.0/35

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1247.758 $\pm$ 711.913 χ^2 /NDF:26.2/18

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

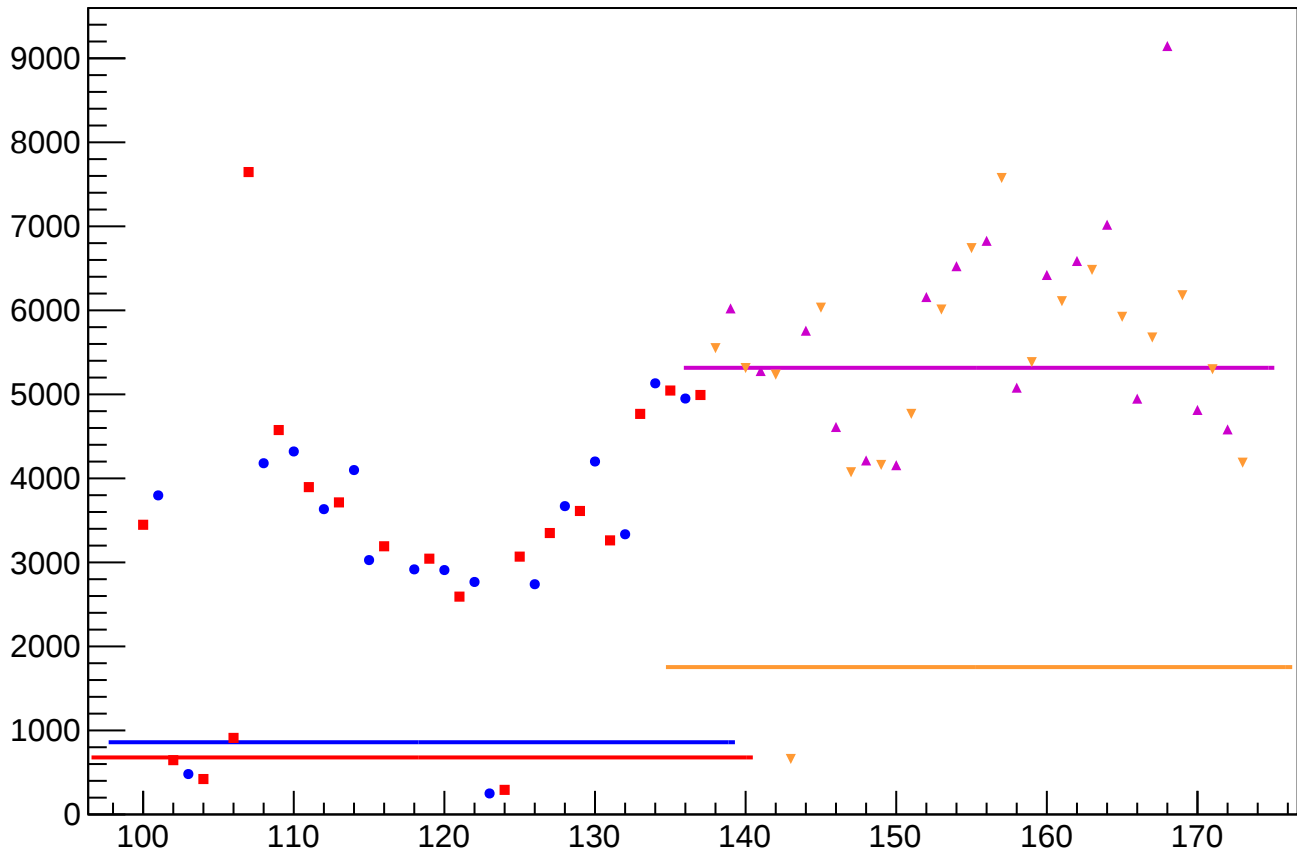
Left In: -768.611 $\pm$ 1492.988 χ^2 /NDF:11.8/16

+ sign -252.524 $\pm$ 430.428 χ^2 /NDF: 47.3/35

All: -237.105 $\pm$ 299.258 χ^2 /NDF: 80.1/71

- sign -222.677 $\pm$ 416.352 χ^2 /NDF: 32.7/35

asym_atl_avg_correction_rms vs Slug



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

Left Out: 1753.985 $\pm$ 0.503 χ^2 /NDF:16017341.6/18

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

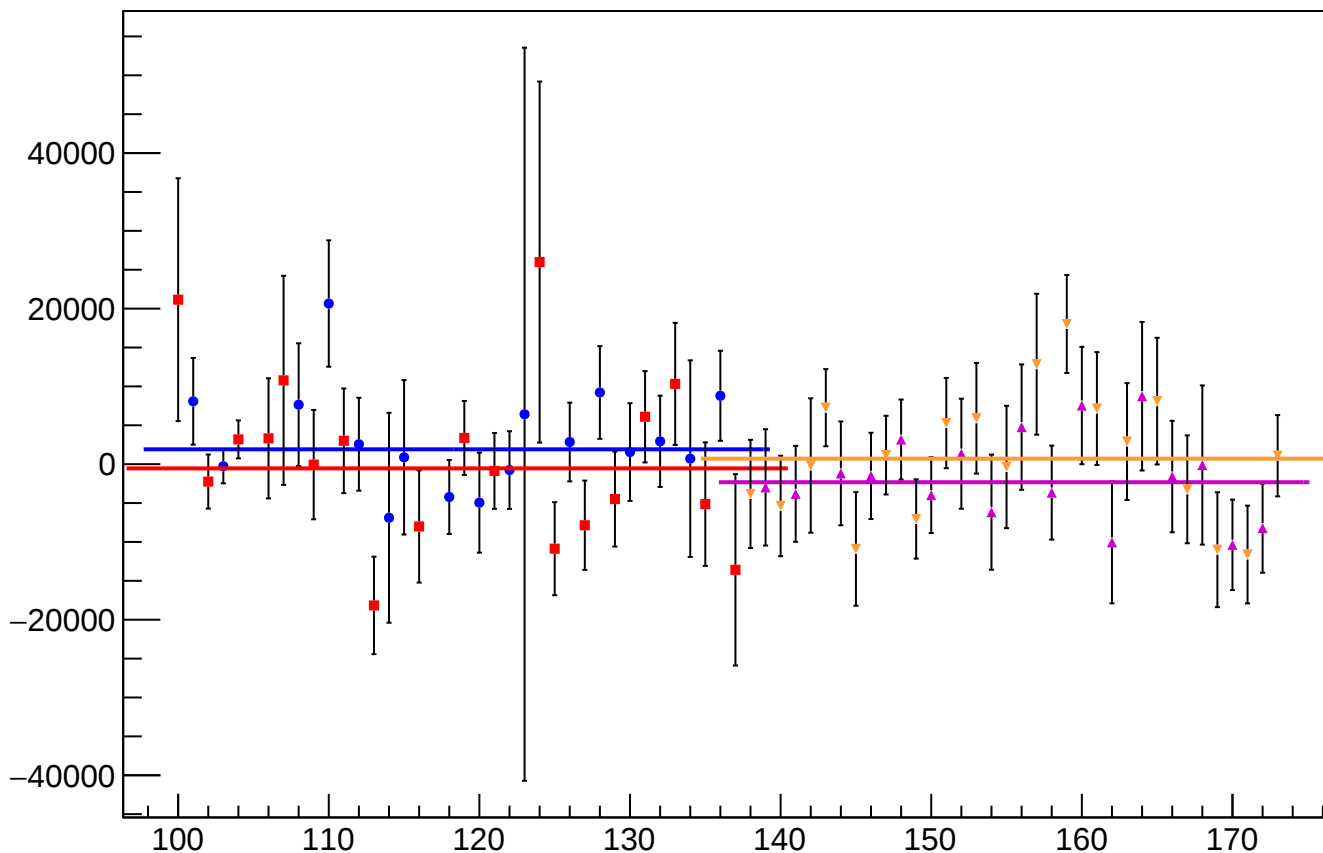
Left In: 5316.125 $\pm$ 1.056 χ^2 /NDF:1004503.3/16

+ sign 1186.516 $\pm$ 0.304 χ^2 /NDF: 26163527.3/35

All: 1110.441 $\pm$ 0.212 χ^2 /NDF: 53470034.4/7

- sign 1039.260 $\pm$ 0.294 χ^2 /NDF: 27185574.3/35

asym_atl_avg_mean vs Slug



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

Left Out: 711.962 $\pm$ 1489.440 χ^2 /NDF: 26.8/18

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

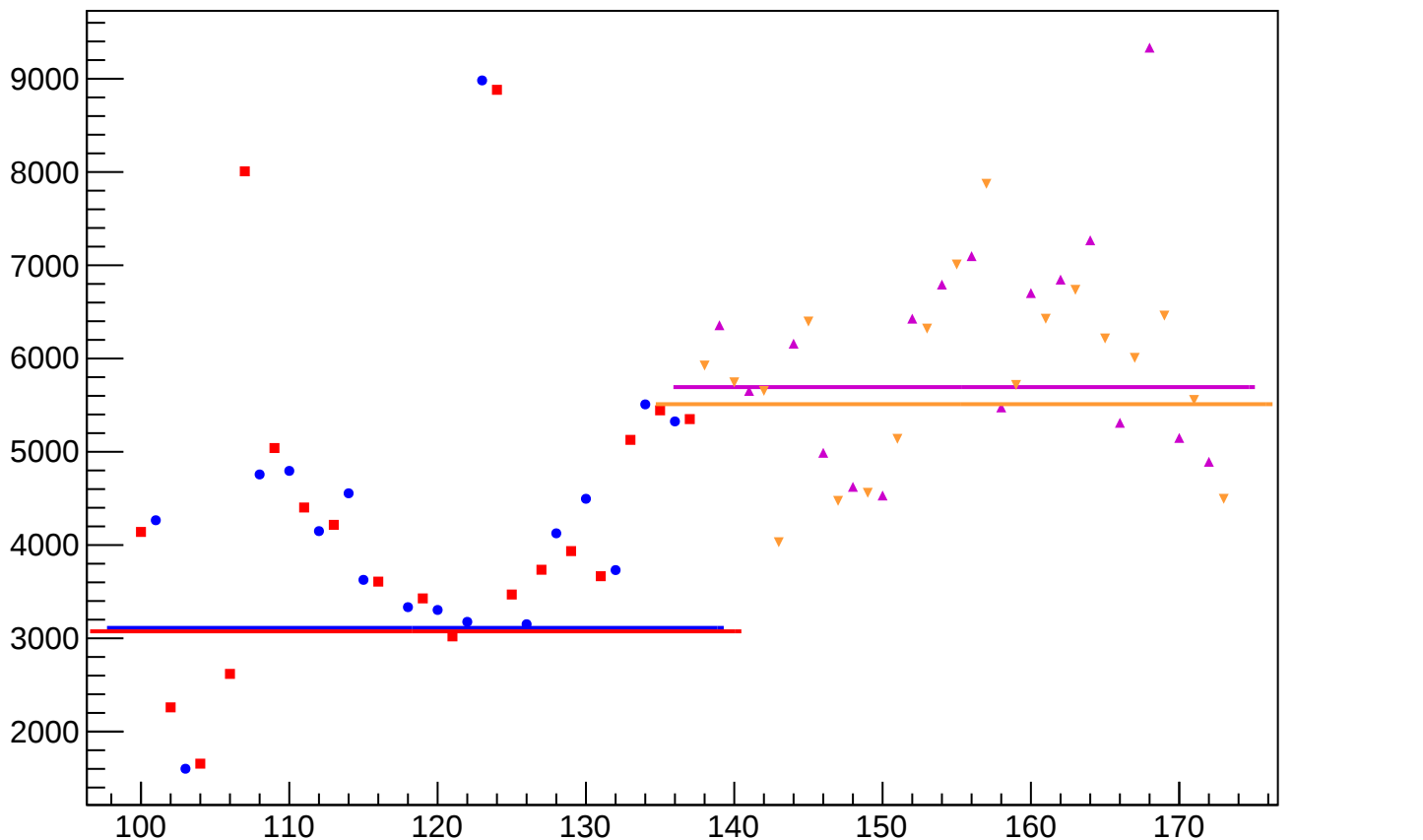
Left In: -2320.063 $\pm$ 1593.714 χ^2 /NDF: 9.8/16

+ sign 1386.993 $\pm$ 983.759 χ^2 /NDF: 41.8/35

All: 95.179 $\pm$ 701.544 χ^2 /NDF: 82.2/71

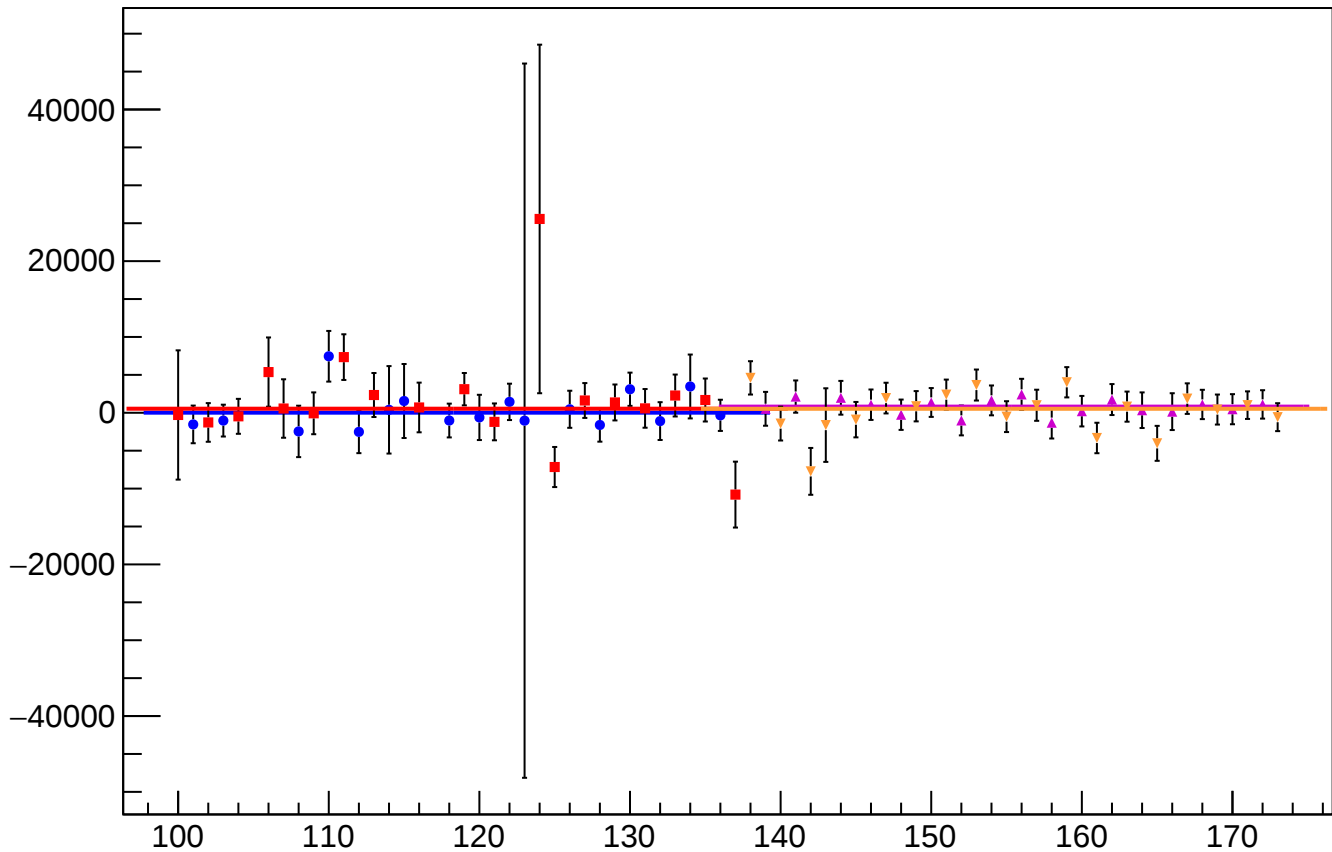
- sign -1241.575 $\pm$ 1000.724 χ^2 /NDF: 36.9/35

asym_atl_avg_rms vs Slug



Right In: 3111.825 ± 0.926 χ^2/NDF : 1879558.6/16
 Left Out: 5510.571 ± 1.053 χ^2/NDF : 835164.8/18
 Right Out: 3074.771 ± 0.896 χ^2/NDF : 2005627.6/18
 Left In: 5693.712 ± 1.127 χ^2/NDF : 835245.0/16
 + sign 4158.262 ± 0.696 χ^2/NDF : 5639171.7/35
 All: 4124.015 ± 0.494 χ^2/NDF : 11793787.0/7
 - sign 4089.201 ± 0.701 χ^2/NDF : 6149727.6/35

reg_asym_atl_dd_mean vs Slug



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

Left Out: 527.428+/-485.441 χ^2/NDF : 27.5/18

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

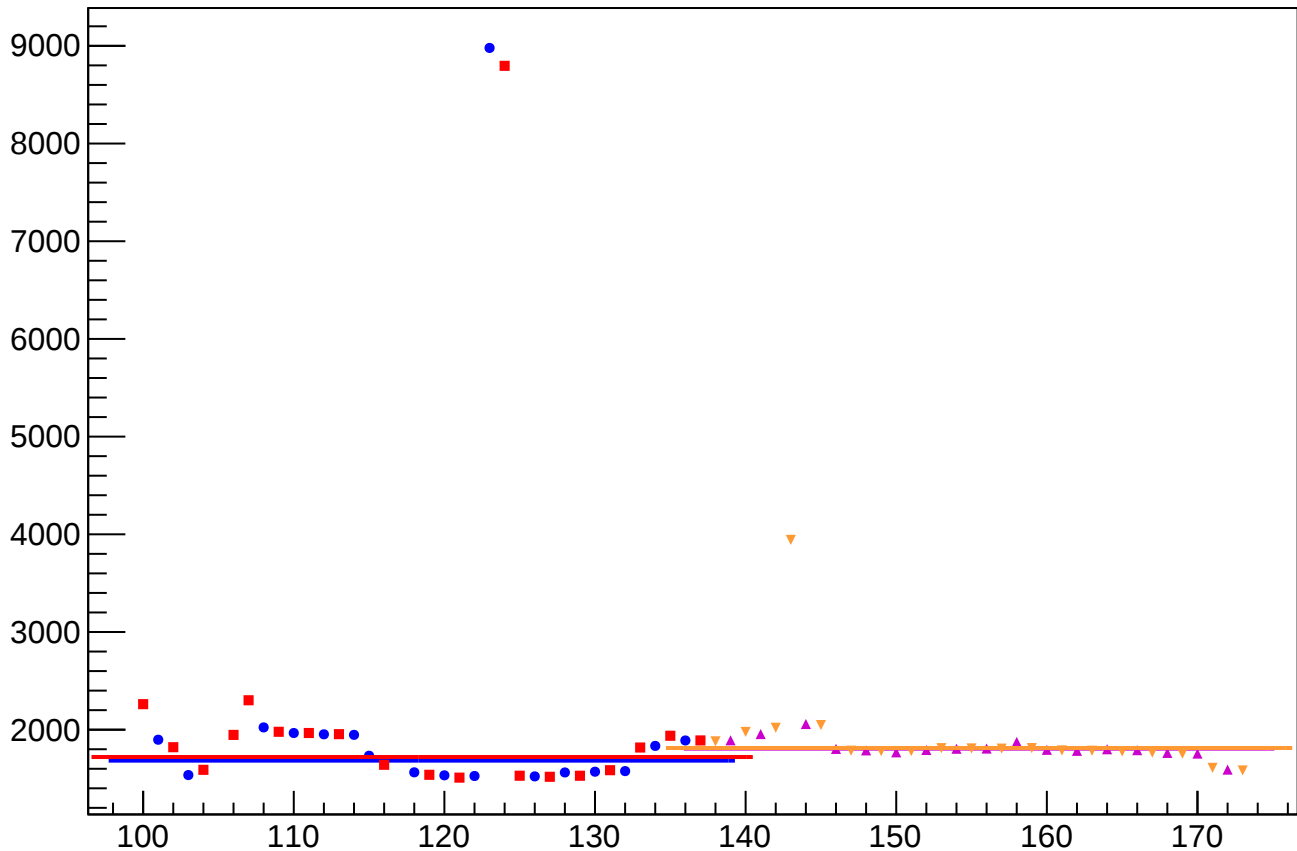
Left In: 812.277+/-498.471 χ^2/NDF : 4.2/16

+ sign 347.613+/-391.283 χ^2/NDF : 39.0/35

All: 527.032+/-279.030 χ^2/NDF : 70.5/71

- sign 712.682+/-398.020 χ^2/NDF : 31.0/35

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1812.782+/-0.343 χ^2/NDF : 488772.9/18

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

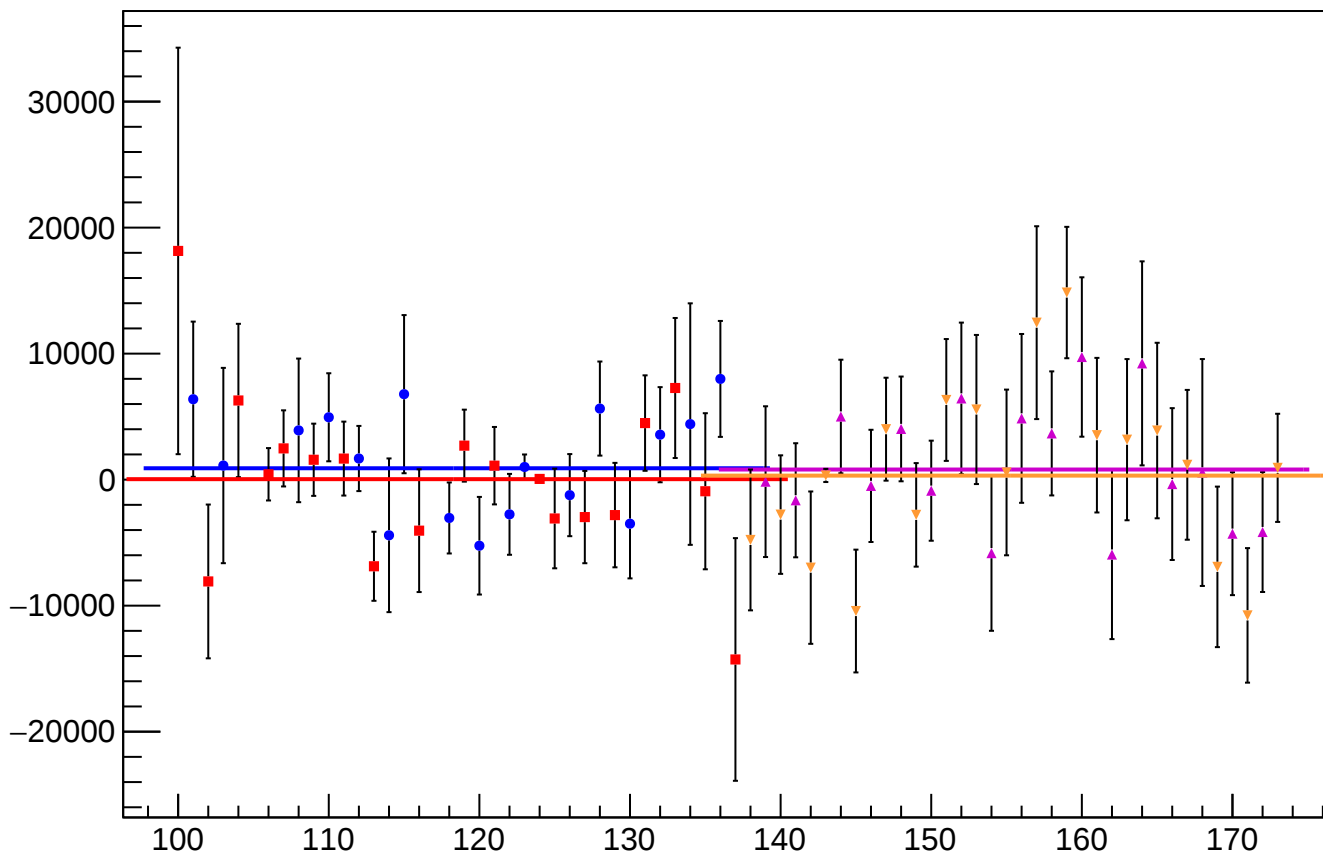
Left In: 1806.134+/-0.352 χ^2/NDF : 70646.5/16

+ sign 1767.409+/-0.277 χ^2/NDF : 734543.5/35

All: 1771.088+/-0.197 χ^2/NDF : 1223220.5/71

- sign 1774.882+/-0.281 χ^2/NDF : 488318.0/35

asym_atl_dd_correction_mean vs Slug



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

Left Out: 319.985 ± 482.720 χ^2/NDF : 28.0/18

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

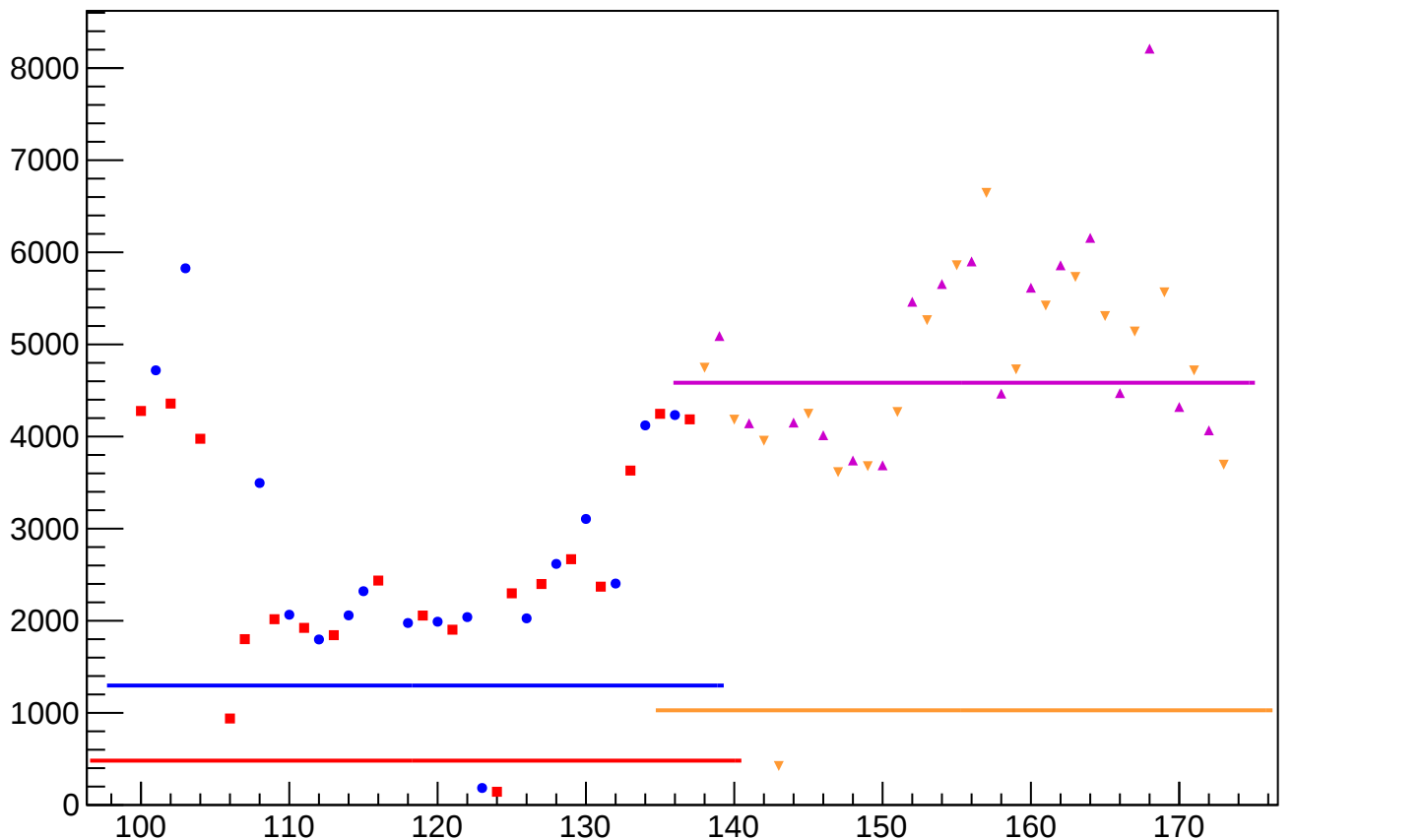
Left In: 802.947 ± 1286.984 χ^2/NDF : 11.1/16

+ sign 505.981 ± 398.401 χ^2/NDF : 44.4/35

All: 269.396 ± 260.444 χ^2/NDF : 77.0/71

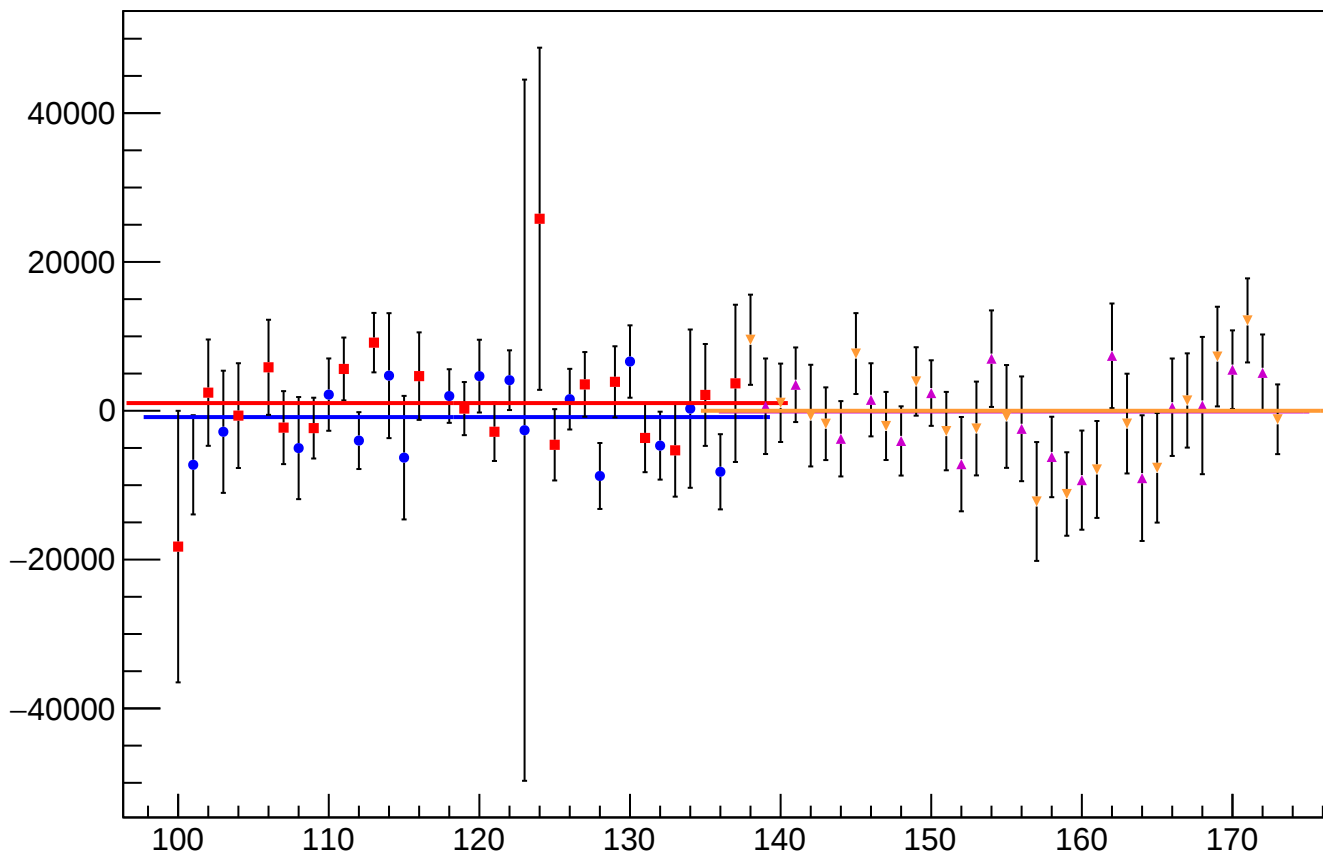
- sign 92.837 ± 344.168 χ^2/NDF : 31.9/35

asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499	χ^2/NDF : 6509608.5/16	+ sign 1113.636+/-0.282	χ^2/NDF : 25799723.0/35
Left Out: 1027.806+/-0.341	χ^2/NDF : 19091800.0/18	All: 919.693+/-0.184	χ^2/NDF : 56645915.5/71
Right Out: 481.577+/-0.253	χ^2/NDF : 10144170.1/18	- sign 774.958+/-0.243	χ^2/NDF : 30018534.9/35
Left In: 4583.969+/-0.910	χ^2/NDF : 1006051.2/16		

asym_atl_dd_mean vs Slug



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

Left Out: -1.903+/-1320.483 χ^2/NDF : 20.8/18

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

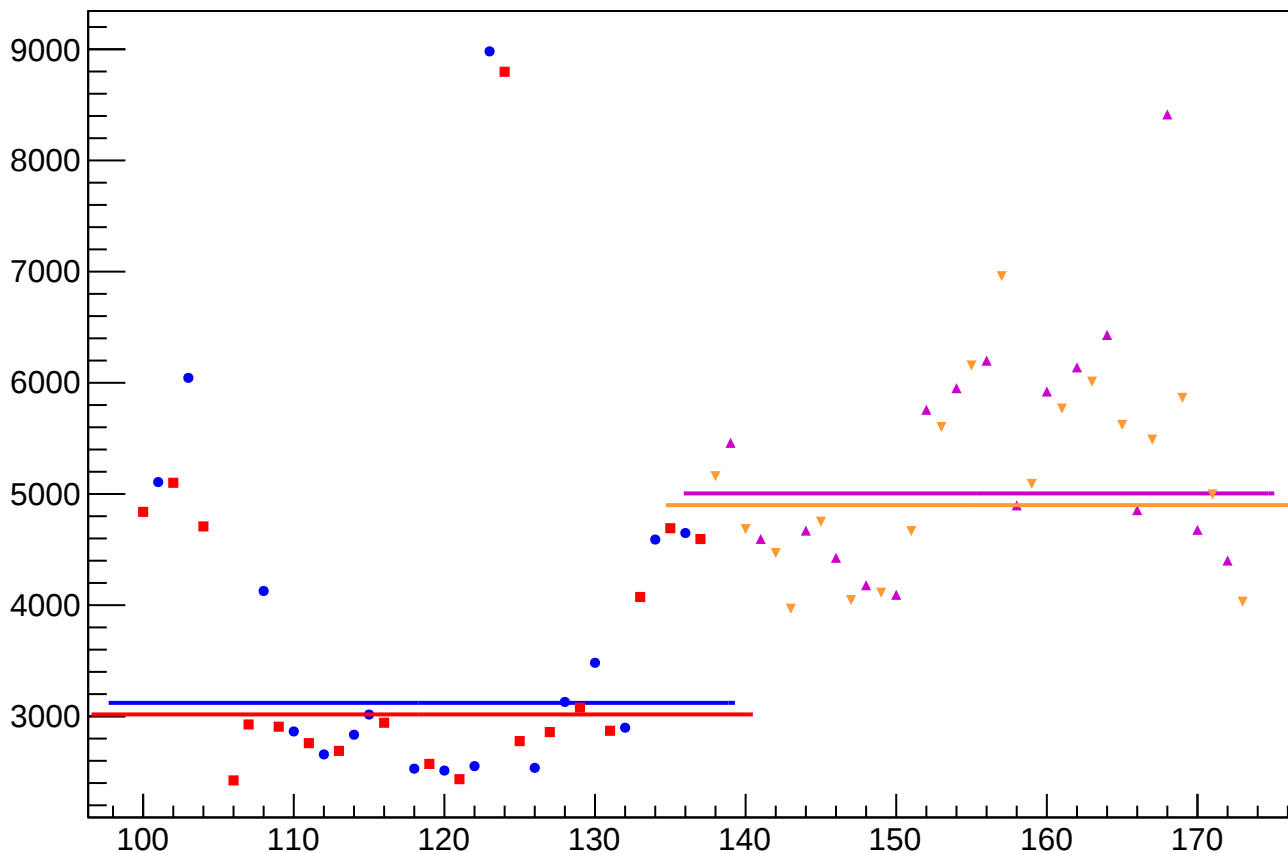
Left In: -95.971+/-1399.490 χ^2/NDF : 12.4/16

+ sign -445.146+/-911.975 χ^2/NDF : 36.5/35

All: 59.759+/-643.056 χ^2/NDF : 64.8/71

- sign 559.044+/-906.885 χ^2/NDF : 27.7/35

asym_atl_dd_rms vs Slug



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

Left Out: 4899.756+/-0.934 χ^2/NDF : 685653.4/18

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

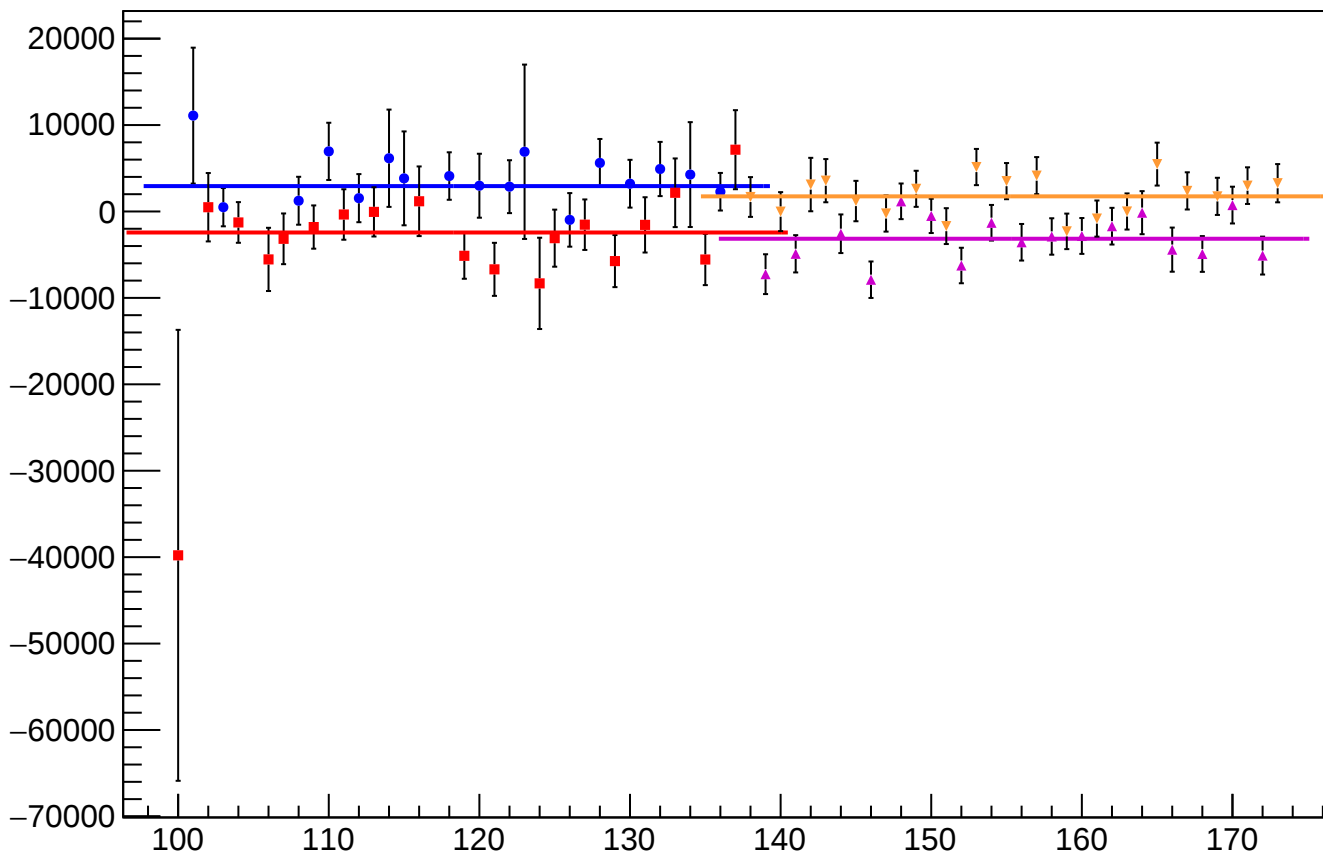
Left In: 5005.089+/-0.990 χ^2/NDF : 793800.1/16

+ sign 3969.646+/-0.645 χ^2/NDF : 3528565.6/35

All: 3903.914+/-0.453 χ^2/NDF : 7500211.6/71

- sign 3839.856+/-0.637 χ^2/NDF : 3951130.4/35

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1749.048+/-505.633 χ^2/NDF : 19.1/18

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

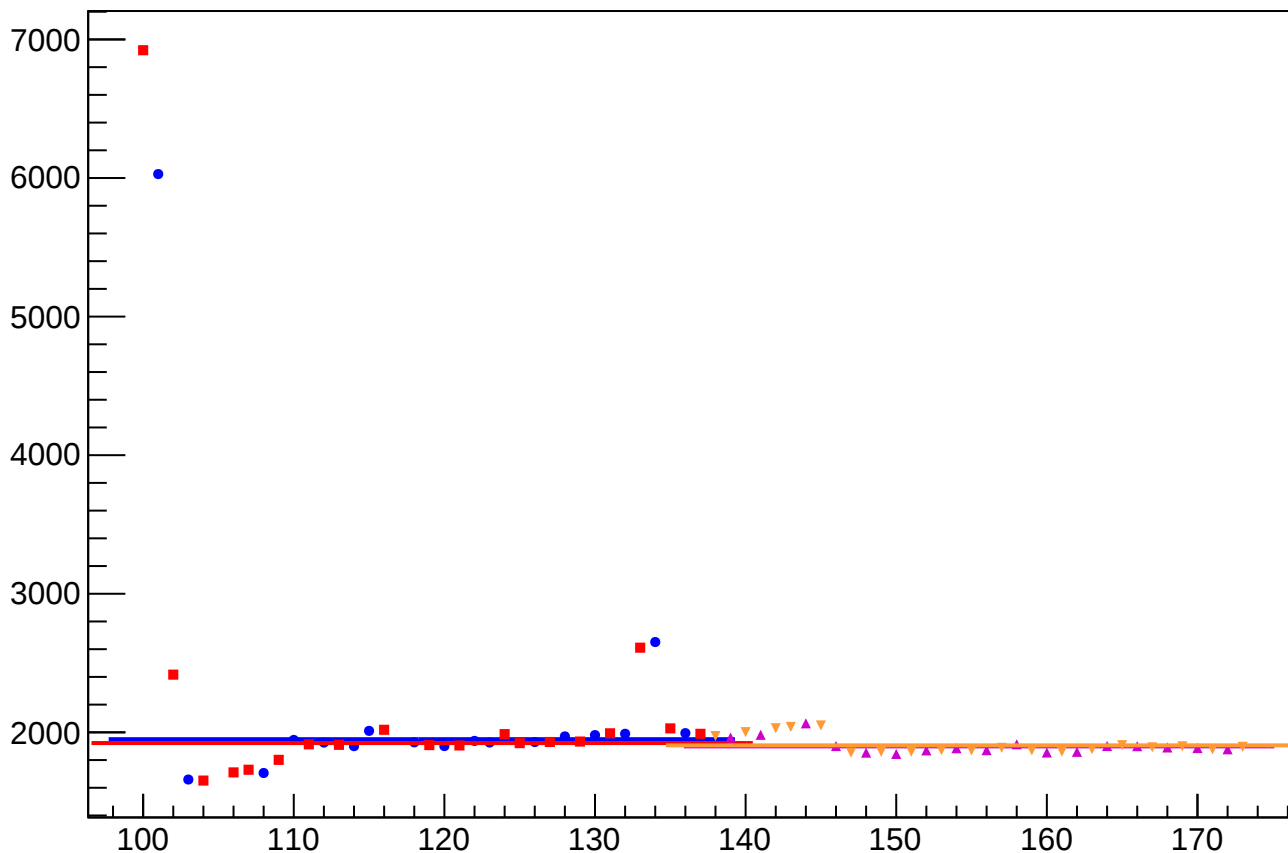
Left In: -3156.077+/-522.025 χ^2/NDF : 25.3/16

+ sign 2103.154+/-423.534 χ^2/NDF : 28.8/35

All: -388.000+/-300.578 χ^2/NDF : 142.7/71

- sign -2915.909+/-426.647 χ^2/NDF : 44.1/35

reg_asym_atr_avg_rms vs Slug



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

Left Out: 1906.147+/-0.358 χ^2/NDF : 28615.1/18

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

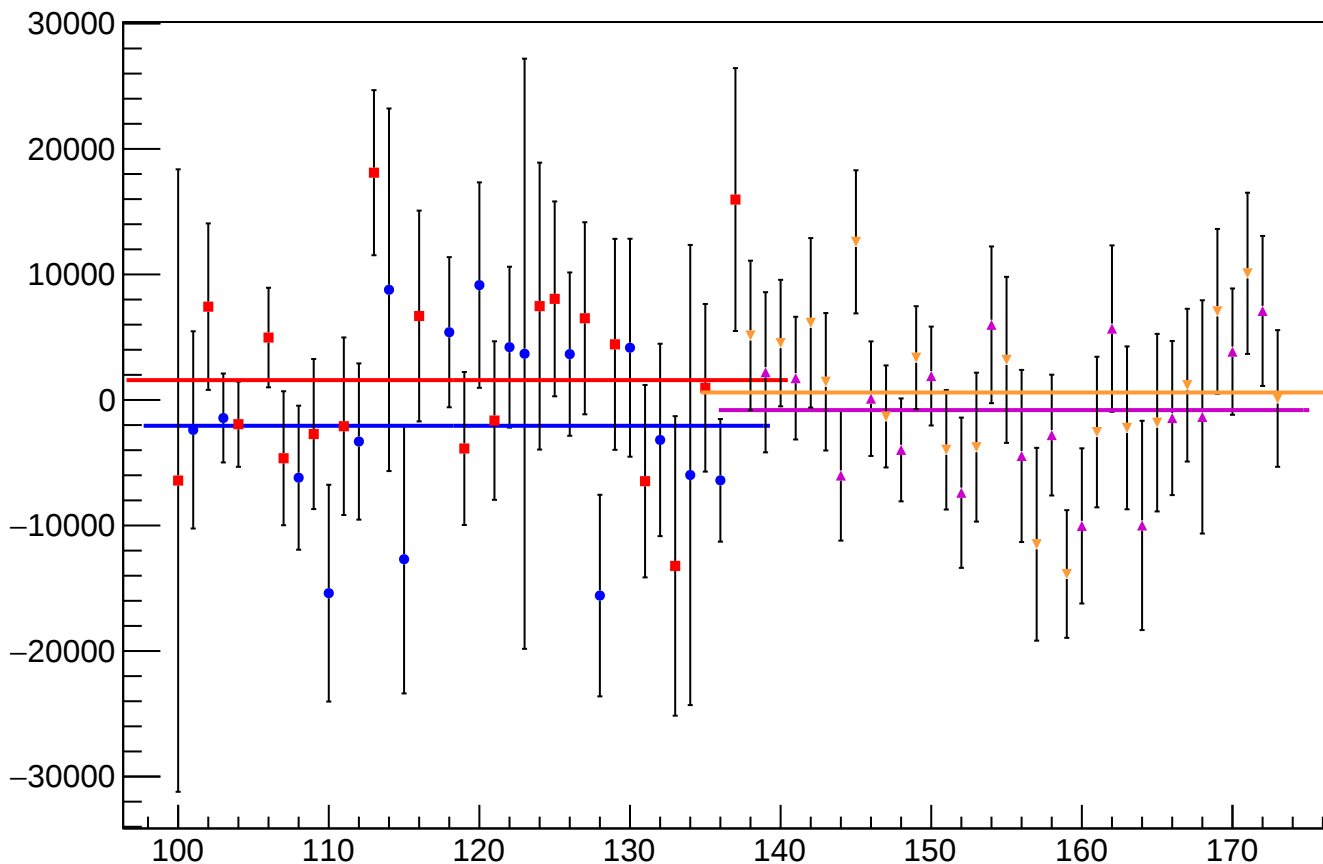
Left In: 1898.683+/-0.369 χ^2/NDF : 20863.4/16

+ sign 1919.415+/-0.299 χ^2/NDF : 650562.6/35

All: 1913.099+/-0.212 χ^2/NDF : 891137.5/71

- sign 1906.700+/-0.301 χ^2/NDF : 239679.4/35

asym_atr_avg_correction_mean vs Slug



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

Left Out: 595.074 ± 1286.325 χ^2/NDF : 22.9/18

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

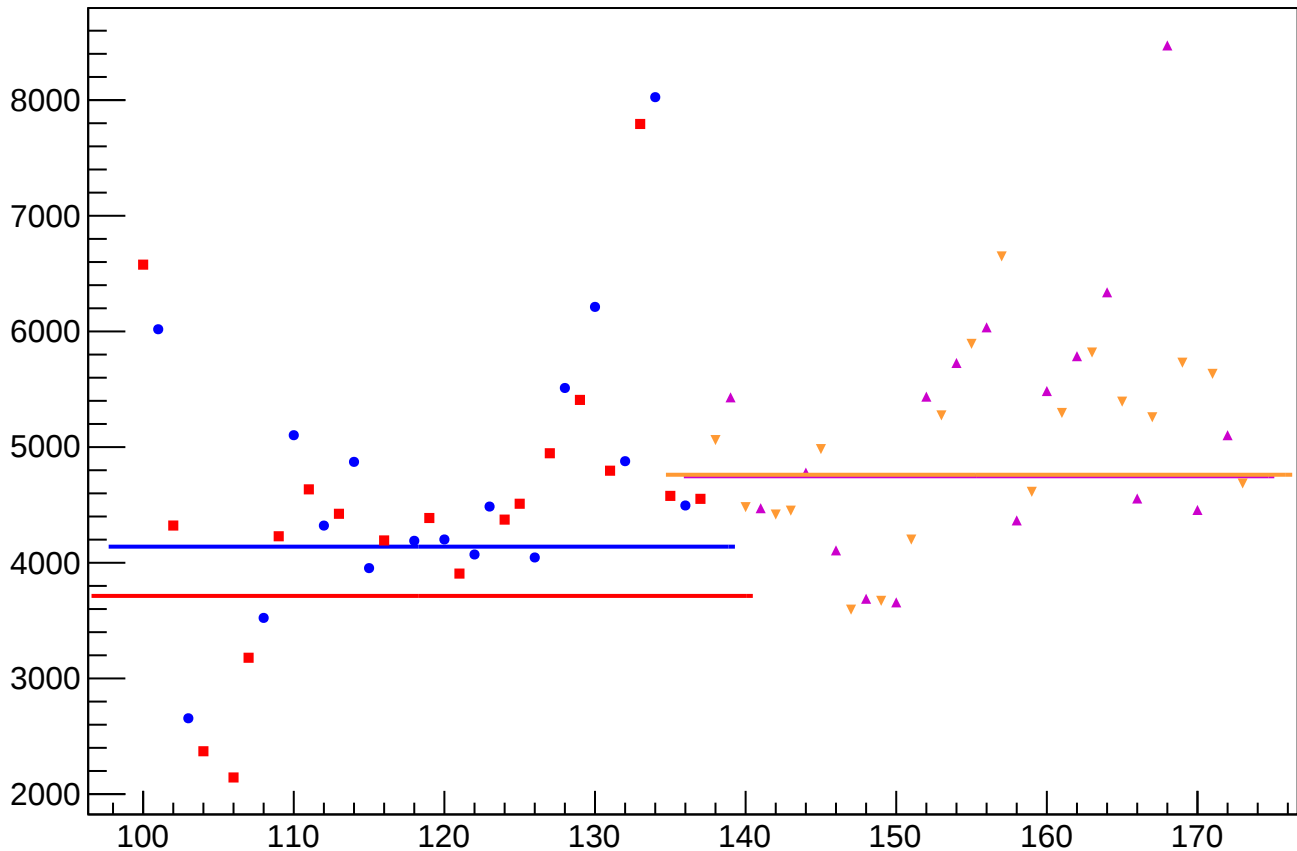
Left In: -806.376 ± 1333.252 χ^2/NDF : 12.5/16

+ sign -399.078 ± 1017.030 χ^2/NDF : 38.5/35

All: -57.999 ± 709.327 χ^2/NDF : 71.2/71

- sign 265.062 ± 989.802 χ^2/NDF : 32.5/35

asym_atr_avg_correction_rms vs Slug



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4761.062+/-0.910 χ^2/NDF : 734669.1/18

+ sign 4528.013+/-0.719 χ^2/NDF : 1723338.6/35

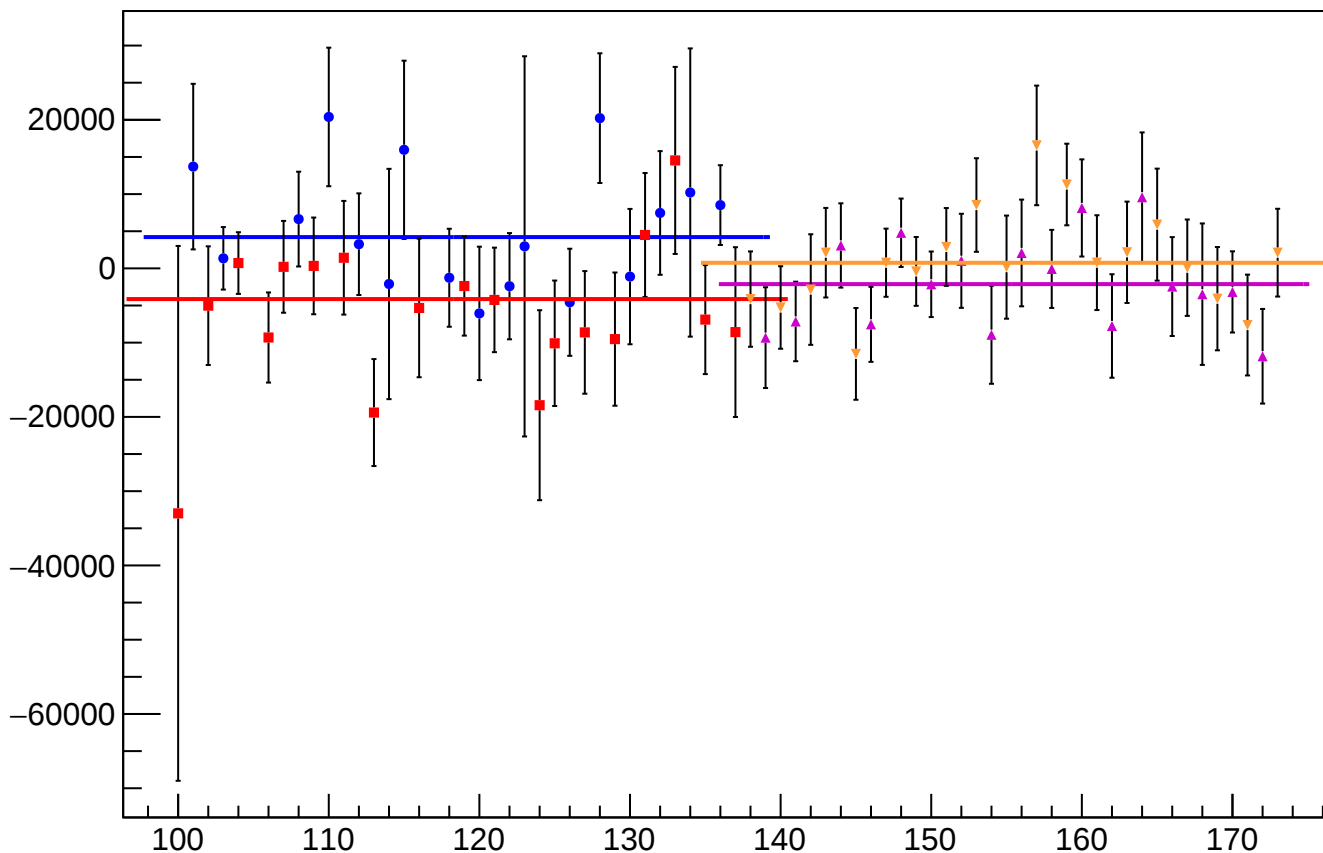
Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

All: 4402.448+/-0.502 χ^2/NDF : 4600244.0/71

- sign 4283.515+/-0.700 χ^2/NDF : 2817543.4/35

Left In: 4747.701+/-0.943 χ^2/NDF : 1001592.7/16

asym_atr_avg_mean vs Slug



Right In: 4211.844+/-1871.304 χ^2/NDF : 14.4/16

Left Out: 752.190+/-1397.784 χ^2/NDF : 17.9/18

Right Out: -4133.660+/-1725.341 χ^2/NDF : 14.8/18

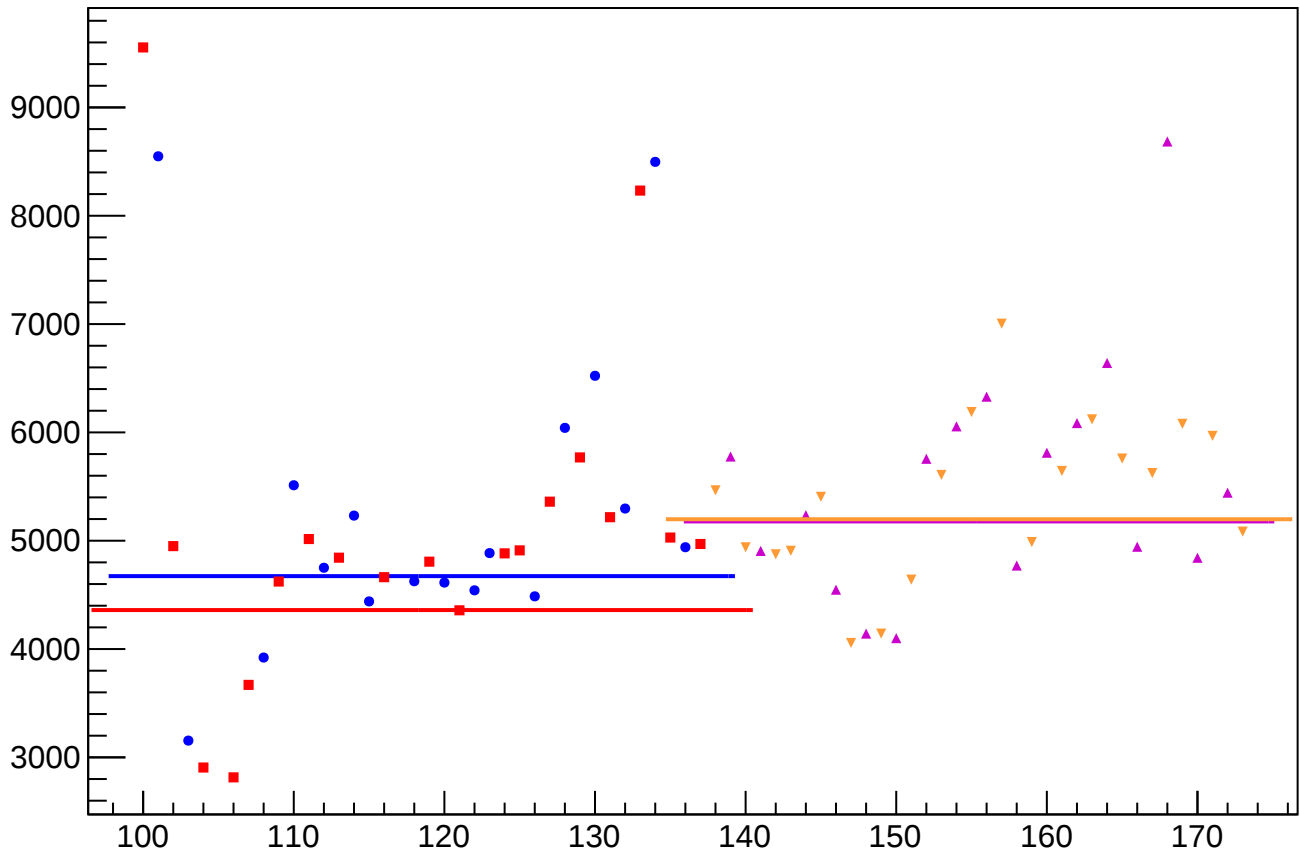
Left In: -2120.955+/-1447.045 χ^2/NDF : 15.4/16

+ sign 1991.192+/-1119.861 χ^2/NDF : 34.5/35

All: -505.165+/-787.892 χ^2/NDF : 75.2/71

- sign -2952.092+/-1108.718 χ^2/NDF : 30.9/35

asym_atr_avg_rms vs Slug



Right In: 4673.046 $\pm$ 1.323 χ^2 /NDF: 777321.1/16

Left Out: 5198.310 $\pm$ 0.988 χ^2 /NDF: 545973.5/18

Right Out: 4359.833 $\pm$ 1.213 χ^2 /NDF: 832191.0/18

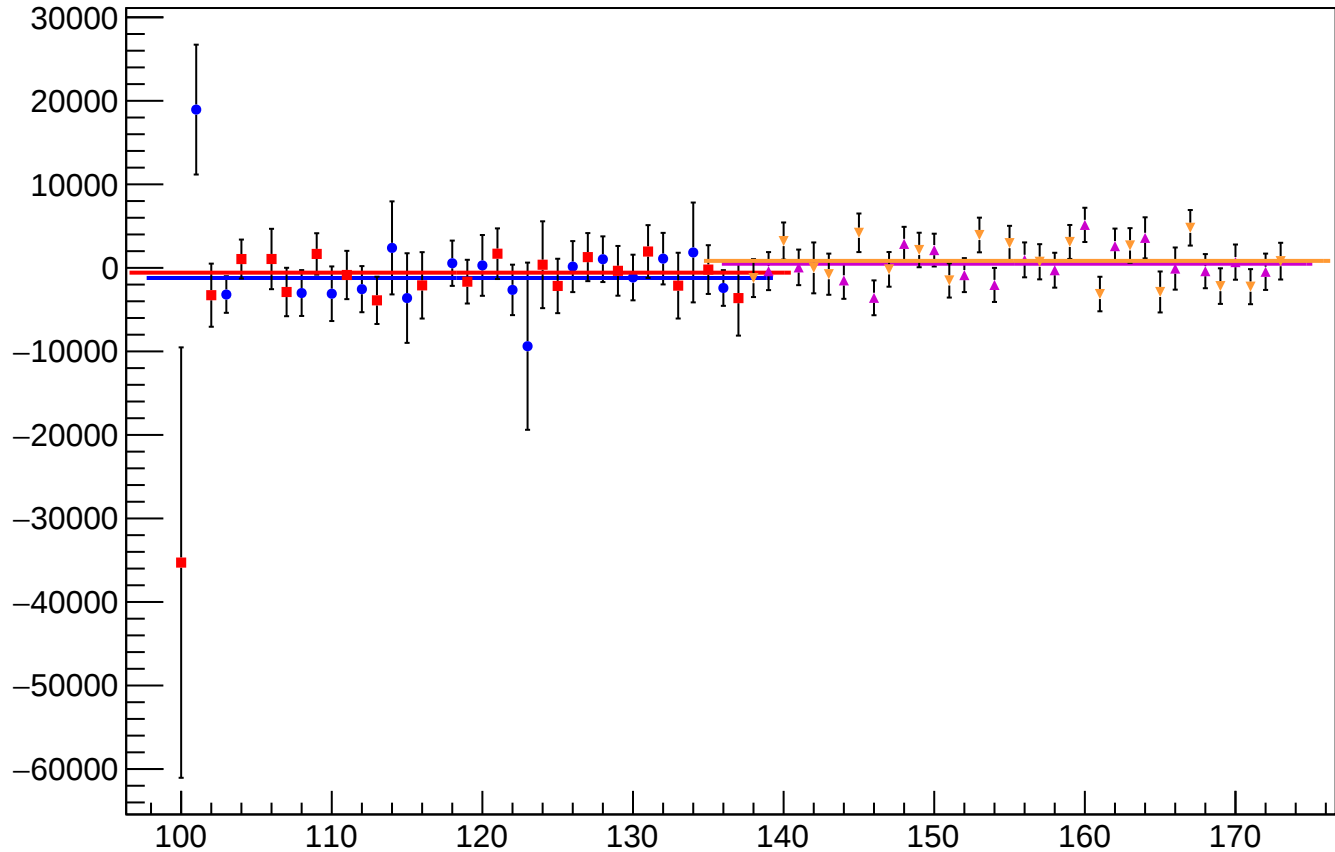
Left In: 5178.091 $\pm$ 1.023 χ^2 /NDF: 781575.9/16

+ sign 5010.198 $\pm$ 0.792 χ^2 /NDF: 1424439.8/35

All: 4922.978 $\pm$ 0.556 χ^2 /NDF: 3328053.2/71

- sign 4837.895 $\pm$ 0.782 χ^2 /NDF: 1879646.9/35

reg_asym_atr_dd_mean vs Slug



Right In: -1211.176 $\pm$ 765.294 χ^2 /NDF: 12.7/16

Left Out: 836.234 $\pm$ 499.978 χ^2 /NDF: 25.5/18

Right Out: -573.457 $\pm$ 730.668 χ^2 /NDF: 8.7/18

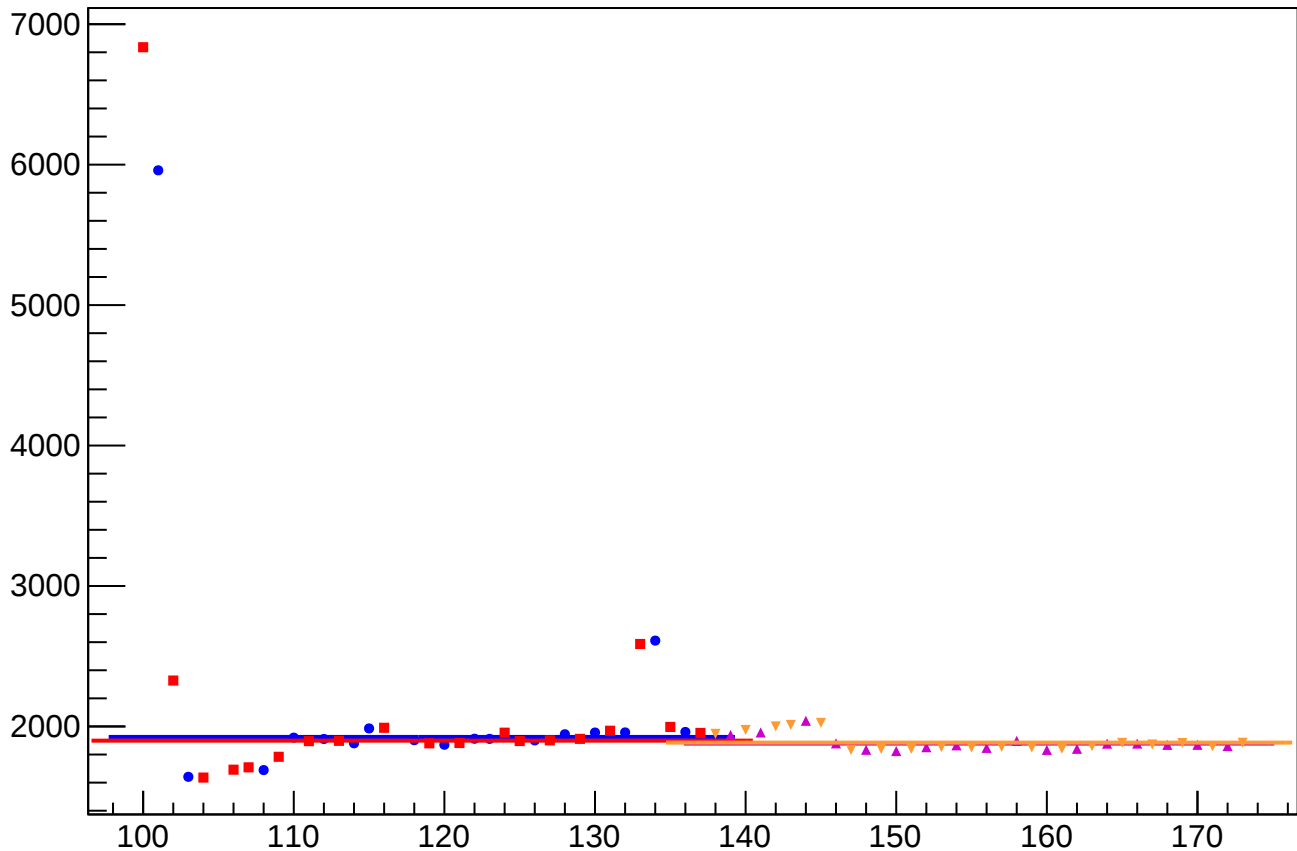
Left In: 496.581 $\pm$ 516.316 χ^2 /NDF: 17.3/16

+ sign 223.770 $\pm$ 418.568 χ^2 /NDF: 43.1/35

All: 182.302 $\pm$ 297.061 χ^2 /NDF: 70.5/71

- sign 140.218 $\pm$ 421.664 χ^2 /NDF: 27.4/35

reg_asym_atr_dd_rms vs Slug



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1884.907+/-0.354 χ^2/NDF : 26930.1/18

+ sign 1896.996+/-0.296 χ^2/NDF : 646702.7/35

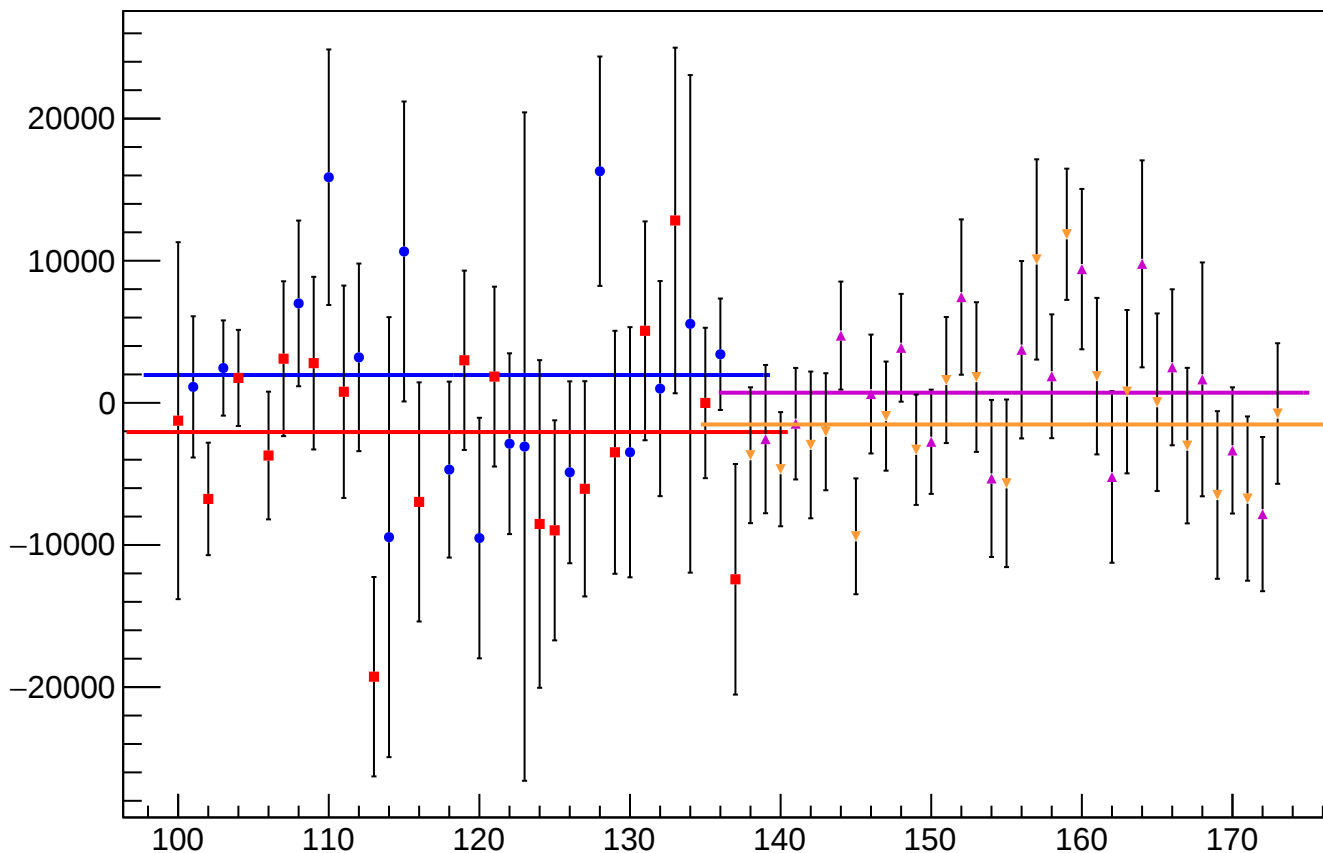
Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

All: 1891.003+/-0.210 χ^2/NDF : 879721.6/71

Left In: 1877.945+/-0.365 χ^2/NDF : 20222.7/16

- sign 1884.930+/-0.298 χ^2/NDF : 232193.4/35

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060 $\pm$ 1556.840 χ^2 /NDF: 12.9/16

Left Out: -1518.683 $\pm$ 1117.097 χ^2 /NDF:19.6/18

Right Out: -2052.842 $\pm$ 1413.641 χ^2 /NDF: 17.4/18

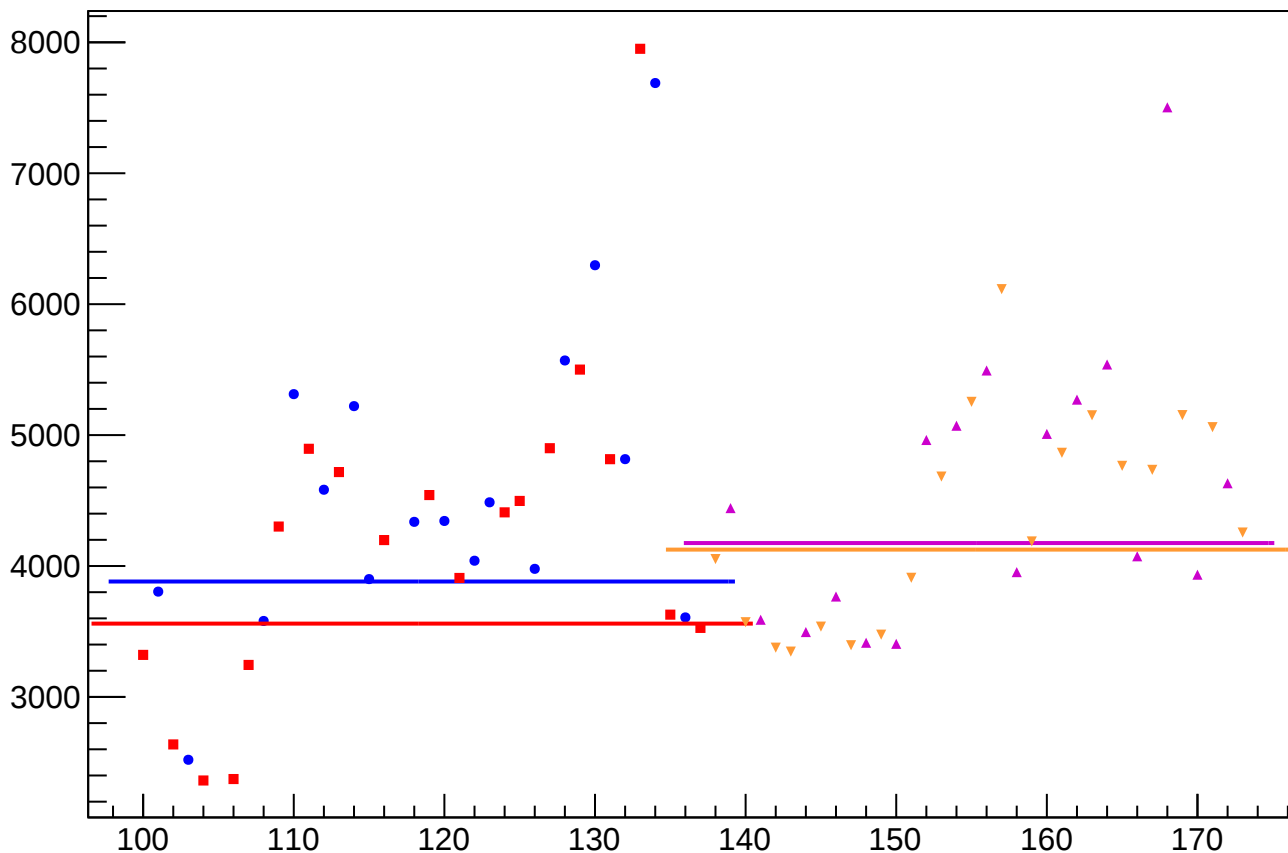
Left In: 713.610 $\pm$ 1172.816 χ^2 /NDF:14.7/16

+ sign -336.684 $\pm$ 907.620 χ^2 /NDF: 35.8/35

All: -375.679 $\pm$ 640.009 χ^2 /NDF: 70.3/71

- sign -414.246 $\pm$ 902.619 χ^2 /NDF: 34.4/35

asym_atr_dd_correction_rms vs Slug



Right In: 3881.577 $\pm$ 1.101 χ^2 /NDF: 817466.6/16

Left Out: 4125.289 $\pm$ 0.790 χ^2 /NDF: 842735.1/18

Right Out: 3560.054 $\pm$ 1.000 χ^2 /NDF: 1241523.0/18

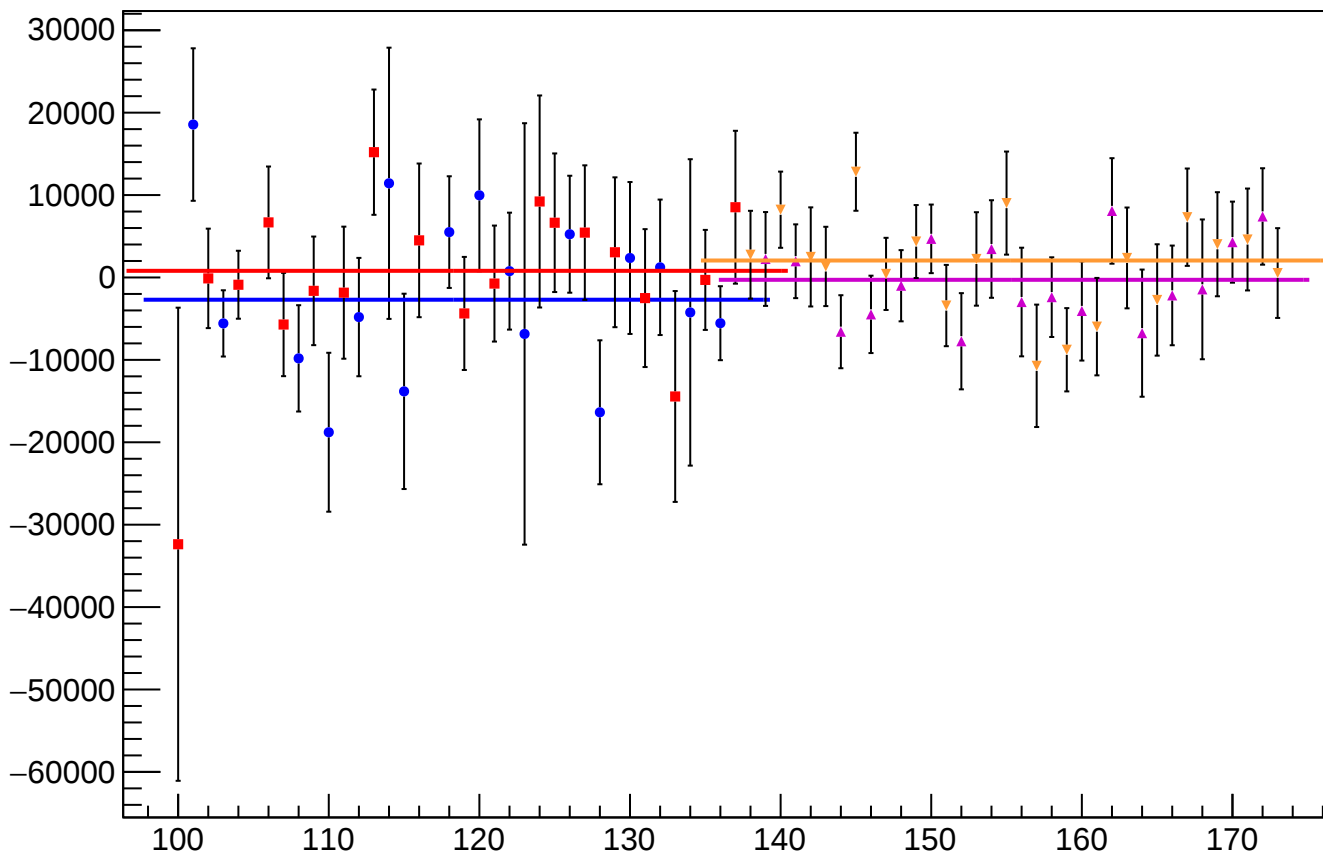
Left In: 4175.442 $\pm$ 0.829 χ^2 /NDF: 1017824.1/16

+ sign 4042.458 $\pm$ 0.642 χ^2 /NDF: 1692555.3/35

All: 3983.180 $\pm$ 0.453 χ^2 /NDF: 4193361.9/71

- sign 3924.554 $\pm$ 0.638 χ^2 /NDF: 2483838.4/35

asym_atr_dd_mean vs Slug



Right In: -2700.702 ± 1809.055 χ^2/NDF : 19.8/16

Left Out: 2058.703 ± 1243.687 χ^2/NDF : 20.9/18

Right Out: 805.951 ± 1690.353 χ^2/NDF : 11.6/18

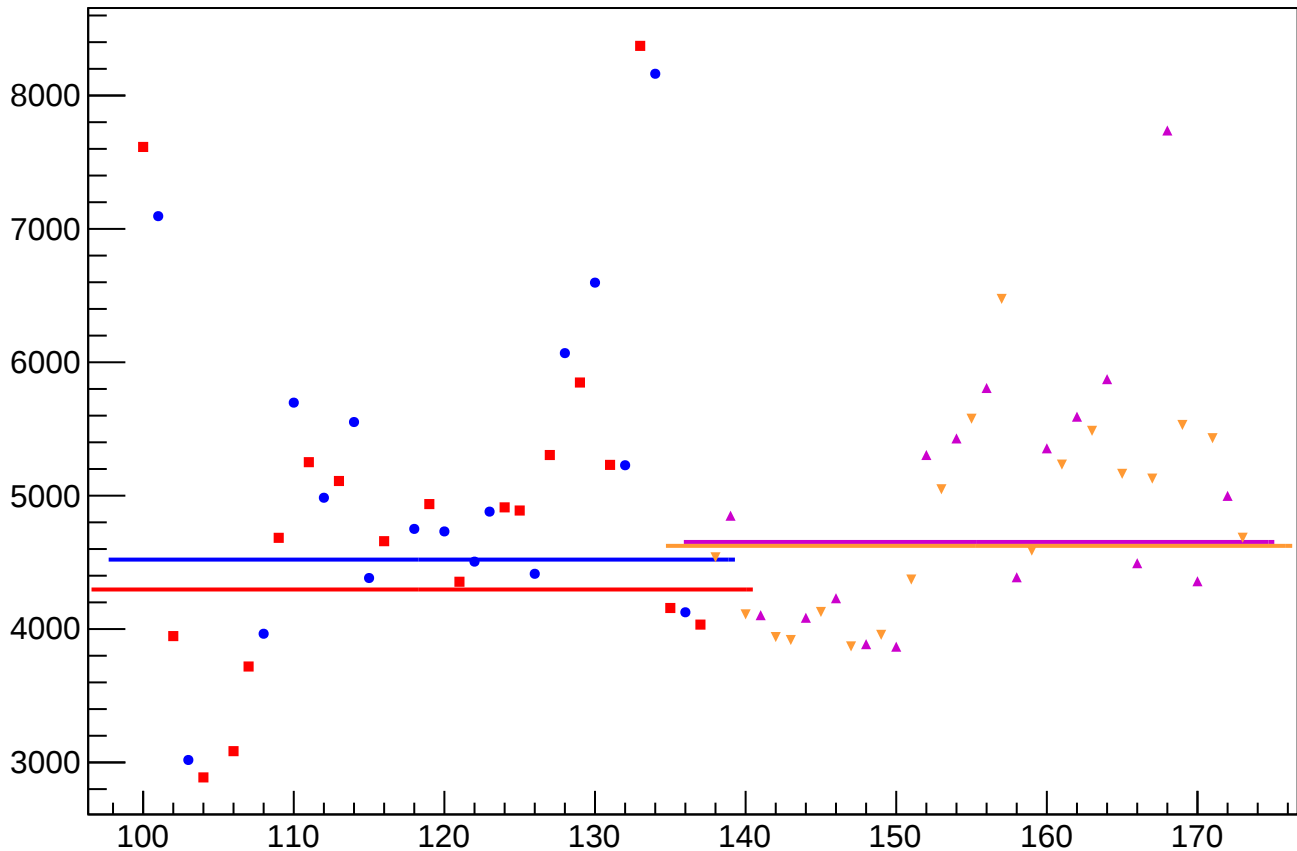
Left In: -284.338 ± 1299.032 χ^2/NDF : 12.6/16

+ sign 531.214 ± 1024.860 χ^2/NDF : 45.4/35

All: 326.880 ± 726.499 χ^2/NDF : 69.9/71

- sign 120.488 ± 1030.009 χ^2/NDF : 24.4/35

asym_atr_dd_rms vs Slug



Right In: 4520.685 $\pm$ 1.279 χ^2 /NDF: 770887.4/16

Left Out: 4623.728 $\pm$ 0.879 χ^2 /NDF: 571821.4/18

Right Out: 4296.527 $\pm$ 1.189 χ^2 /NDF: 771785.2/18

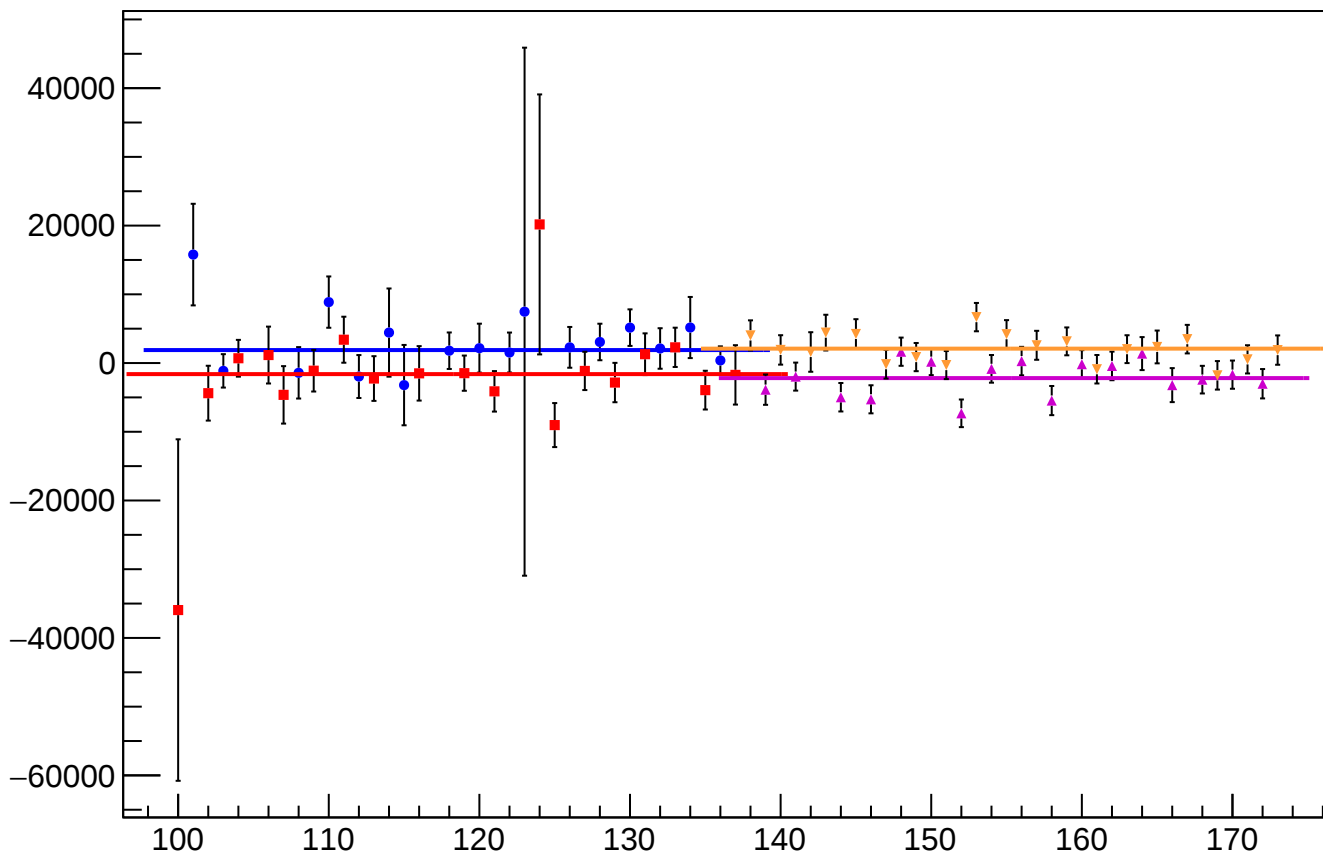
Left In: 4652.966 $\pm$ 0.919 χ^2 /NDF: 742588.8/16

+ sign 4590.657 $\pm$ 0.725 χ^2 /NDF: 1347115.1/35

All: 4555.279 $\pm$ 0.513 χ^2 /NDF: 2922571.0/71

- sign 4519.693 $\pm$ 0.727 χ^2 /NDF: 1570675.4/35

reg_asym_at1_avg_mean vs Slug



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

Left Out: 2095.183 ± 491.850 χ^2/NDF : 18.5/18

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

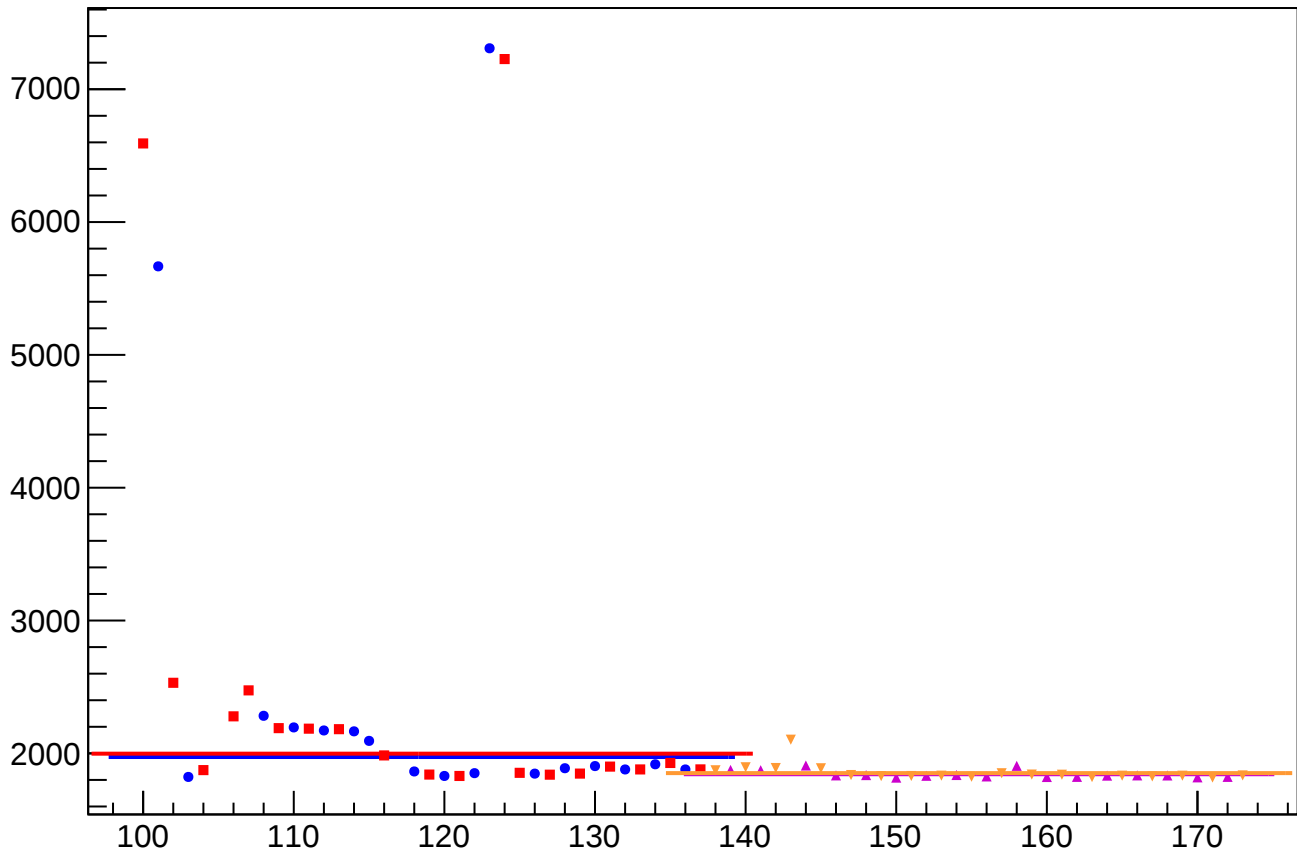
Left In: -2190.741 ± 507.696 χ^2/NDF : 24.7/16

+ sign 2036.627 ± 416.620 χ^2/NDF : 33.2/35

All: 43.078 ± 296.879 χ^2/NDF : 122.3/71

- sign -2013.536 ± 423.158 χ^2/NDF : 42.6/35

reg_asym_at1_avg_rms vs Slug



Right In: 1972.484 $\pm$ 0.554 χ^2 /NDF: 600869.6/16

Left Out: 1851.325 $\pm$ 0.348 χ^2 /NDF: 23611.6/18

Right Out: 1997.647 $\pm$ 0.542 χ^2 /NDF: 355572.5/18

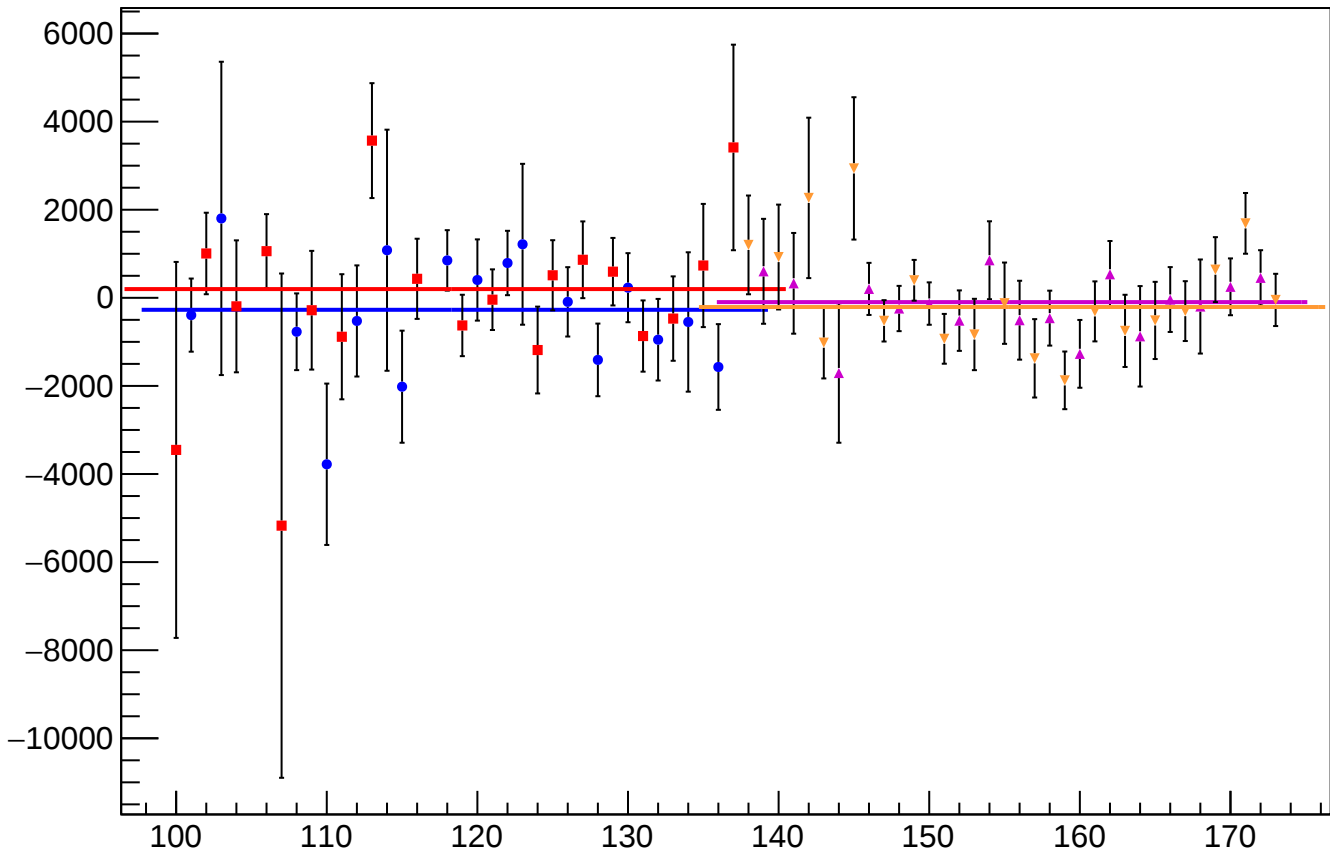
Left In: 1842.851 $\pm$ 0.359 χ^2 /NDF: 6199.2/16

+ sign 1885.554 $\pm$ 0.295 χ^2 /NDF: 658767.2/35

All: 1887.797 $\pm$ 0.210 χ^2 /NDF: 1077420.4/71

- sign 1890.110 $\pm$ 0.299 χ^2 /NDF: 418535.5/35

asym_at1_avg_correction_mean vs Slug



Right In: -271.773+/-240.214 χ^2 /NDF: 17.2/16

Left Out: -209.027+/-166.126 χ^2 /NDF:31.3/18

Right Out: 198.424+/-229.035 χ^2 /NDF: 19.7/18

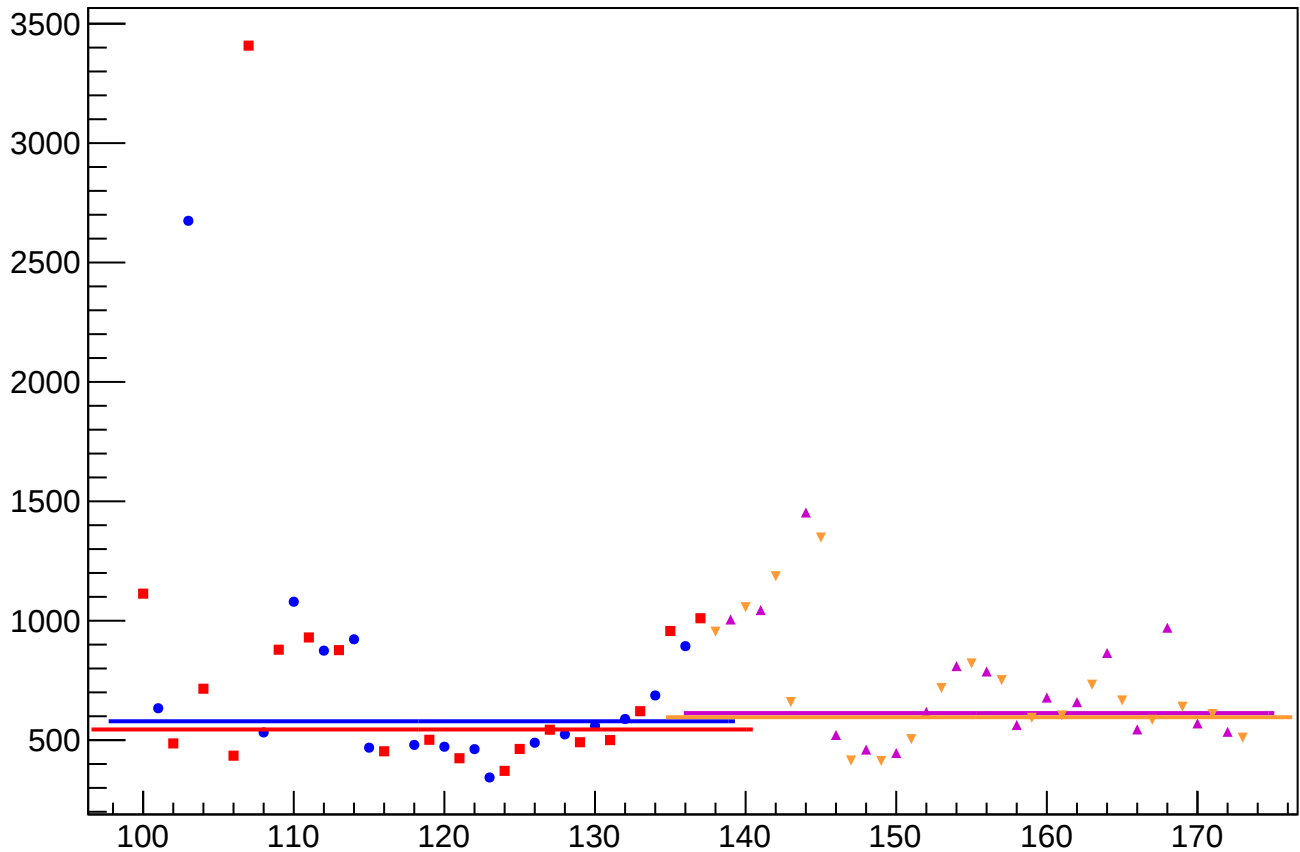
Left In: -97.454+/-176.977 χ^2 /NDF:8.5/16

+ sign -229.327+/-136.634 χ^2 /NDF: 48.6/35

All: -111.068+/-97.797 χ^2 /NDF: 79.4/71

- sign 13.161+/-140.041 χ^2 /NDF: 29.3/35

asym_at1_avg_correction_rms vs Slug



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

Left Out: 595.938+/-0.117 χ^2/NDF : 2168257.8/18

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

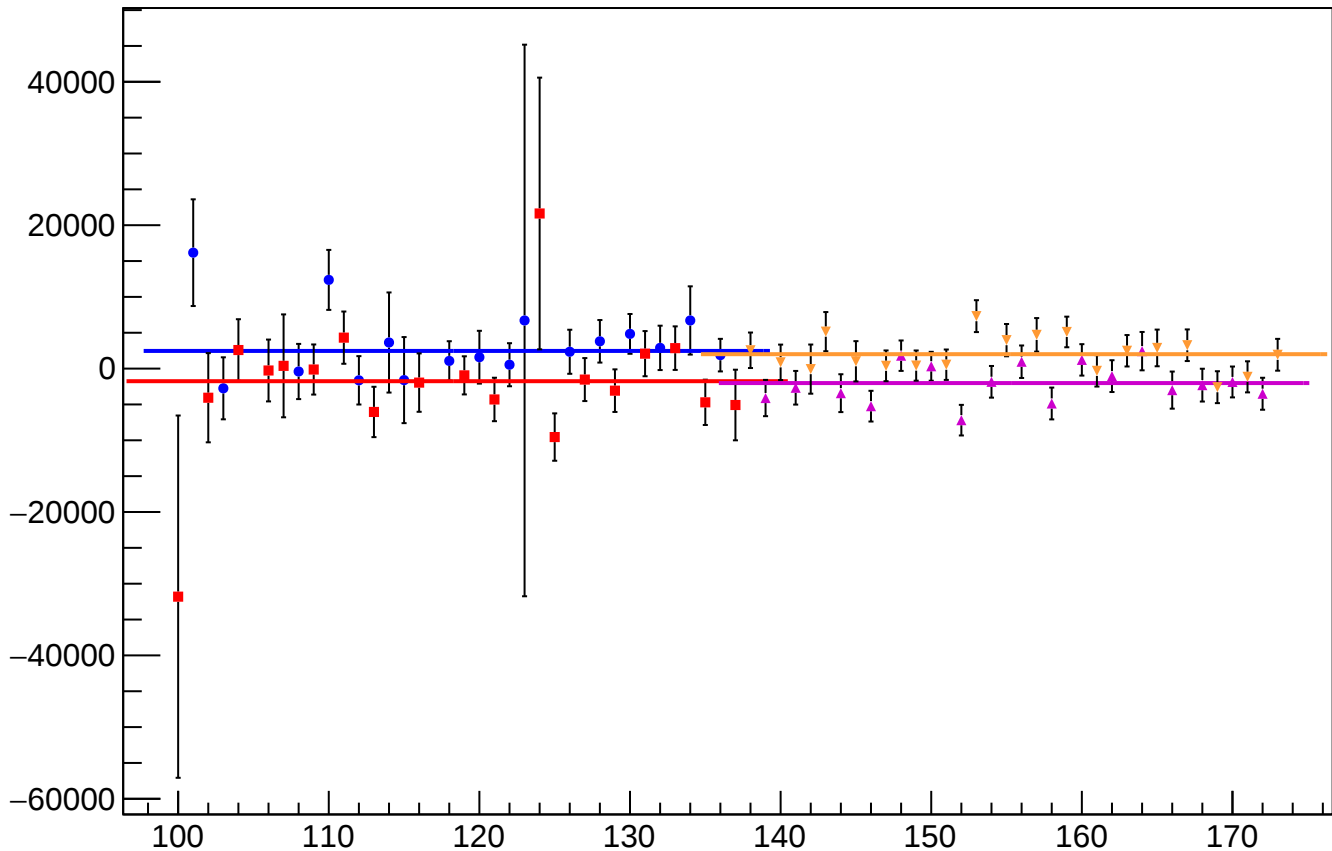
Left In: 613.235+/-0.125 χ^2/NDF : 2118506.4/16

+ sign 590.461+/-0.097 χ^2/NDF : 3597125.0/35

All: 589.067+/-0.069 χ^2/NDF : 7286073.9/71

- sign 587.603+/-0.099 χ^2/NDF : 3688521.9/35

asym_at1_avg_mean vs Slug



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 2010.187 $\pm$ 531.972 χ^2 /NDF:21.6/18

Right Out: -1756.788 $\pm$ 853.292 χ^2 /NDF: 20.5/18

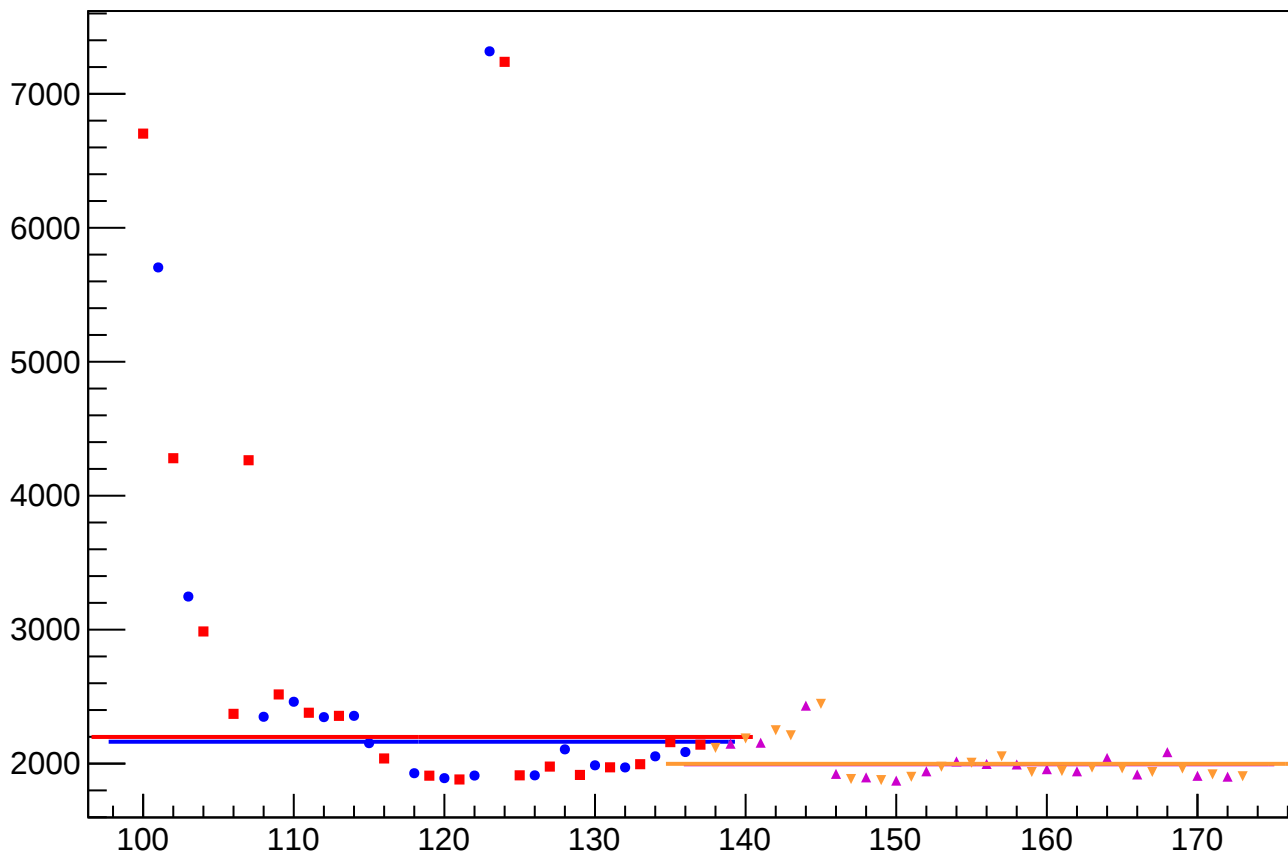
Left In: -2018.058 $\pm$ 550.535 χ^2 /NDF:22.9/16

+ sign 2135.124 $\pm$ 452.877 χ^2 /NDF: 37.3/35

All: 140.246 $\pm$ 323.618 χ^2 /NDF: 120.4/71

- sign -1941.266 $\pm$ 462.607 χ^2 /NDF: 43.5/35

asym_at1_avg_rms vs Slug



Right In: 2163.303 ± 0.610 $\chi^2/\text{NDF}: 709584.4/16$

Left Out: 1998.318 ± 0.376 $\chi^2/\text{NDF}: 119634.5/18$

Right Out: 2199.003 ± 0.603 $\chi^2/\text{NDF}: 803297.2/18$

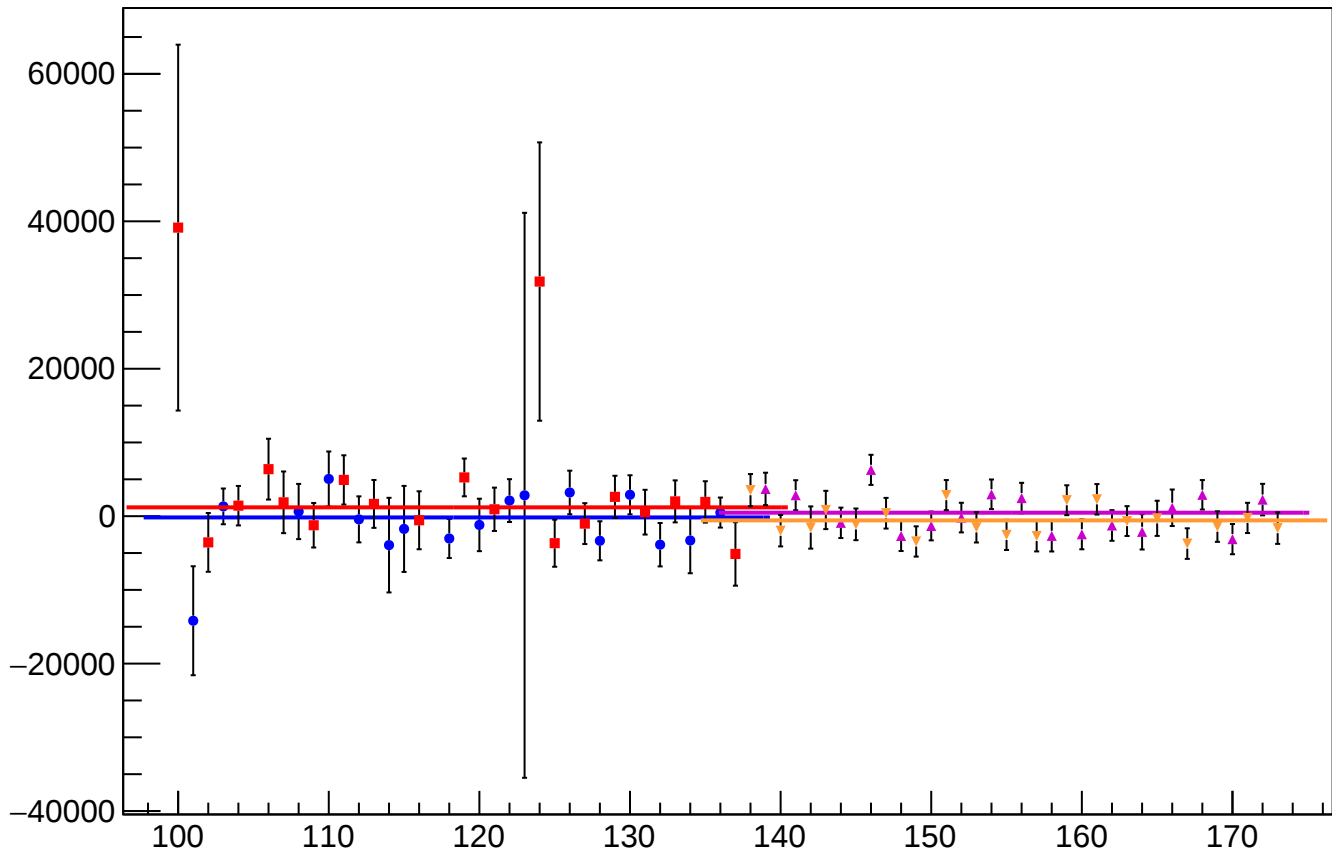
Left In: 1994.732 ± 0.389 $\chi^2/\text{NDF}: 100728.1/16$

+ sign 2043.732 ± 0.320 $\chi^2/\text{NDF}: 882170.8/35$

All: 2049.134 ± 0.229 $\chi^2/\text{NDF}: 1867706.4/71$

- sign 2054.772 ± 0.327 $\chi^2/\text{NDF}: 984954.0/35$

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 χ^2/NDF : 14.5/16

Left Out: -572.161 ± 491.002 χ^2/NDF : 18.1/18

Right Out: 1197.543 ± 764.254 χ^2/NDF : 18.2/18

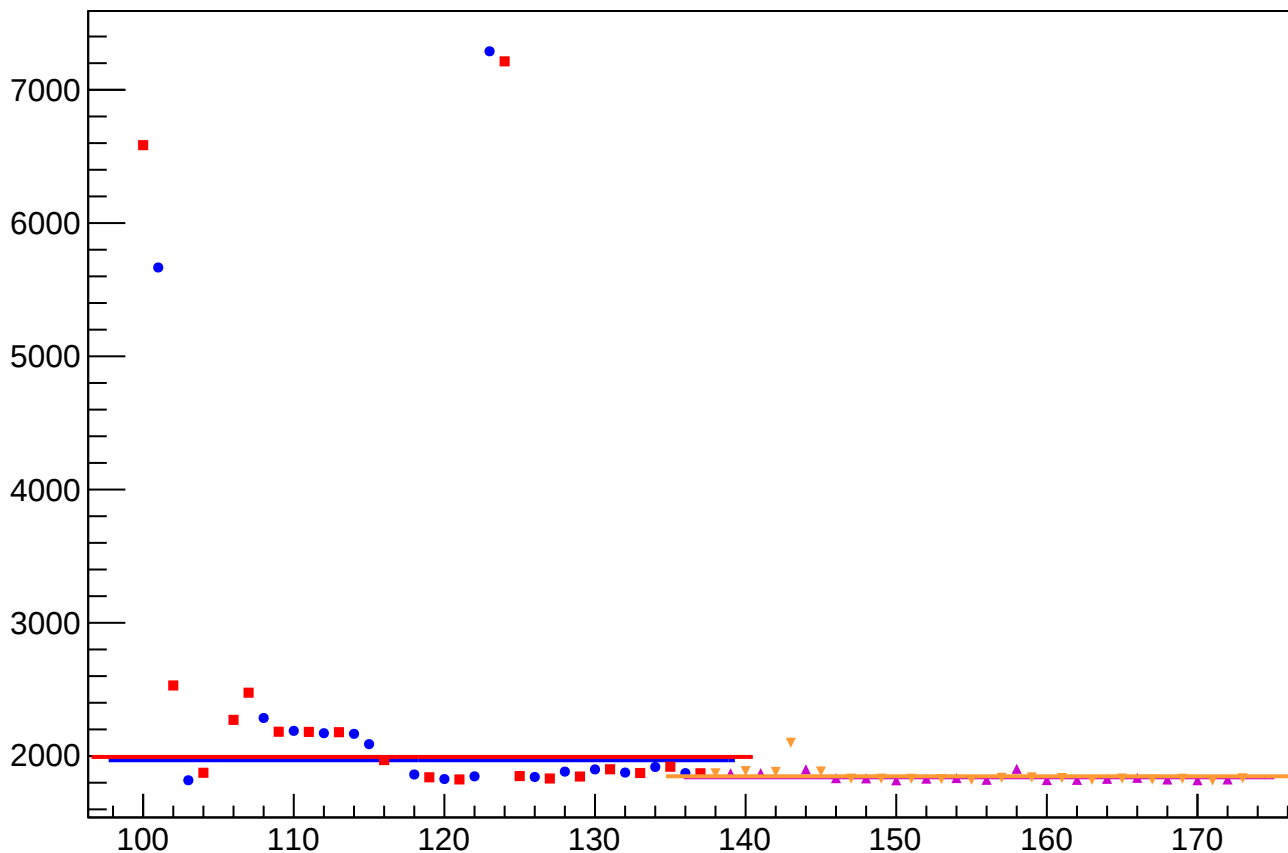
Left In: 470.957 ± 507.062 χ^2/NDF : 29.2/16

+ sign -458.625 ± 415.887 χ^2/NDF : 32.8/35

All: 108.093 ± 296.395 χ^2/NDF : 84.6/71

- sign 693.039 ± 422.523 χ^2/NDF : 48.0/35

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1848.171 $\pm$ 0.347 χ^2 /NDF: 23150.1/18

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

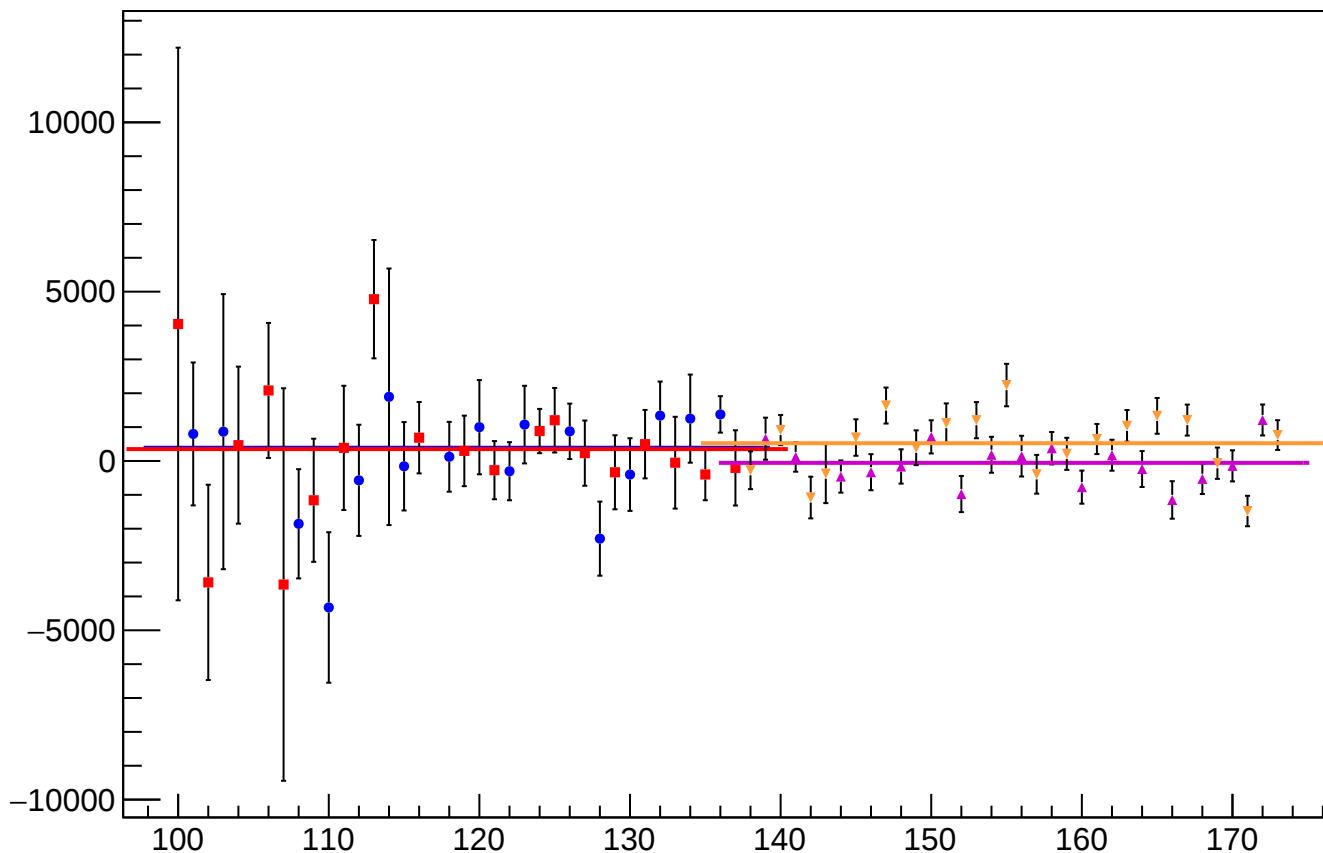
Left In: 1840.561 $\pm$ 0.359 χ^2 /NDF: 5799.6/16

+ sign 1882.209 $\pm$ 0.294 χ^2 /NDF: 660137.7/35

All: 1884.706 $\pm$ 0.210 χ^2 /NDF: 1077811.2/71

- sign 1887.283 $\pm$ 0.299 χ^2 /NDF: 417526.9/35

asym_at1_dd_correction_mean vs Slug



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

Left Out: 524.652+/-117.626 χ^2/NDF :56.0/18

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

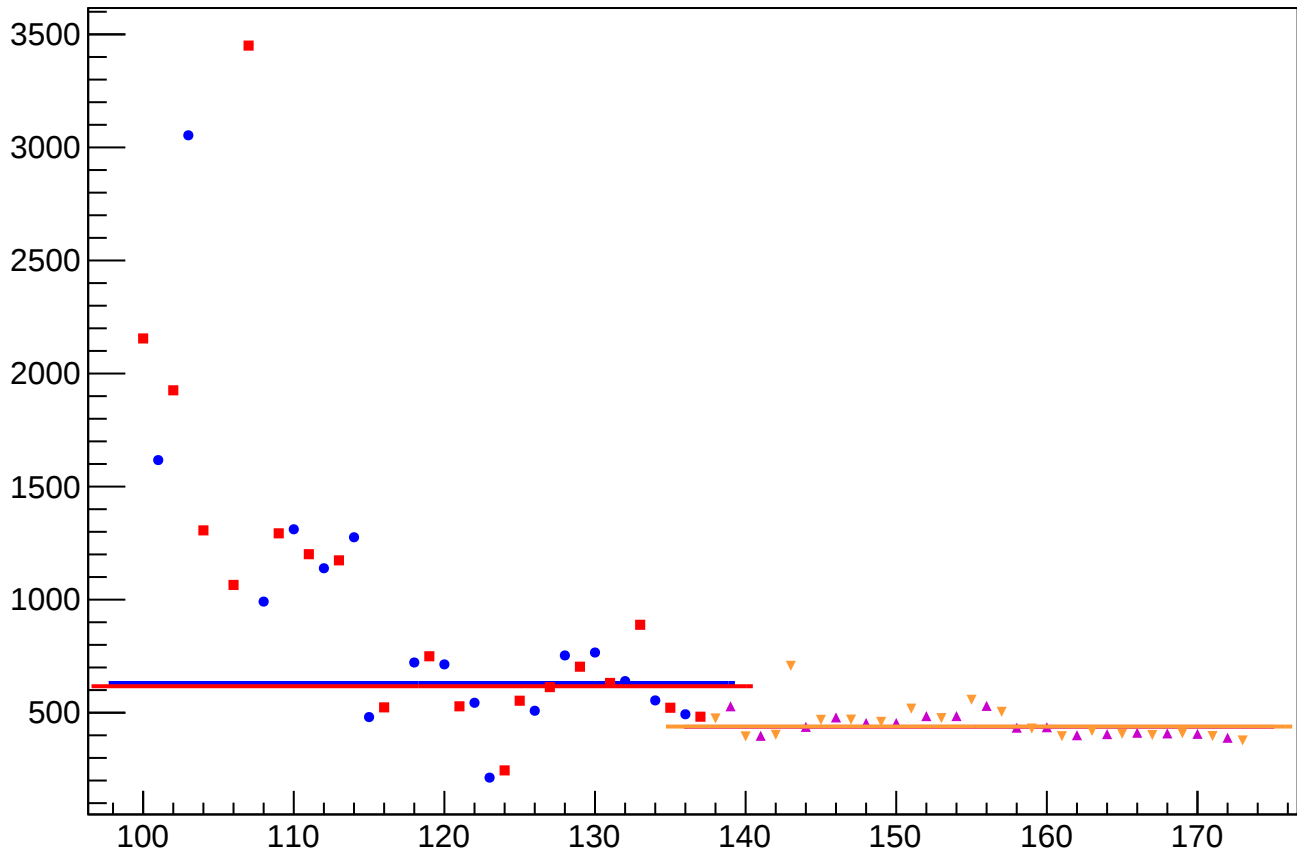
Left In: -55.527+/-120.942 χ^2/NDF :24.3/16

+ sign 503.337+/-107.845 χ^2/NDF : 76.2/35

All: 263.743+/-77.044 χ^2/NDF : 126.8/71

- sign 14.012+/-110.103 χ^2/NDF : 40.5/35

asym_at1_dd_correction_rms vs Slug



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 438.769 $\pm$ 0.083 χ^2 /NDF: 492957.6/18

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

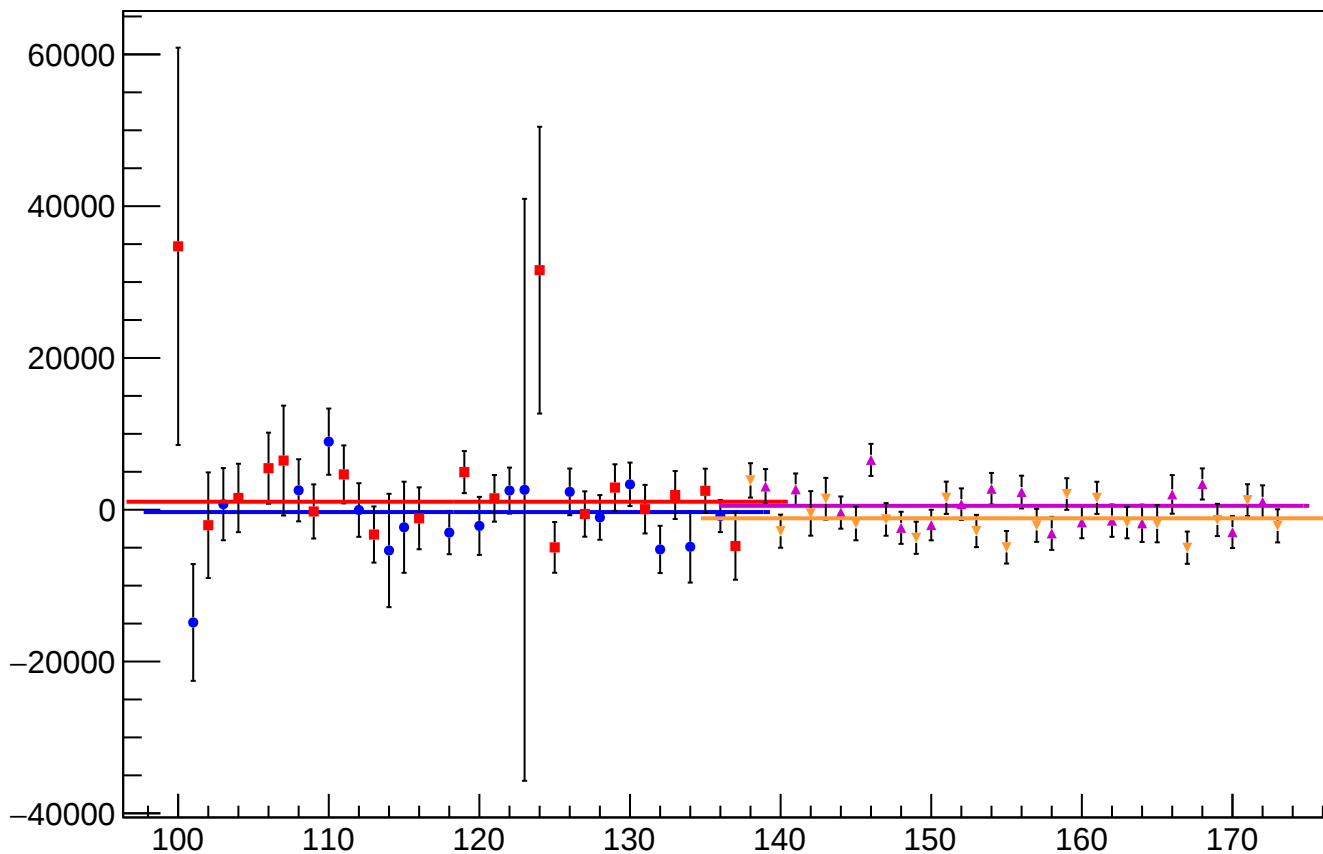
Left In: 437.254 $\pm$ 0.086 χ^2 /NDF: 220514.6/16

+ sign 469.478 $\pm$ 0.076 χ^2 /NDF: 3608851.8/35

All: 468.771 $\pm$ 0.054 χ^2 /NDF: 7388325.8/71

- sign 468.034 $\pm$ 0.078 χ^2 /NDF: 3779298.5/35

asym_at1_dd_mean vs Slug



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -1125.832 ± 506.403 χ^2/NDF : 22.5/18

Right Out: 1056.856 ± 867.445 χ^2/NDF : 16.6/18

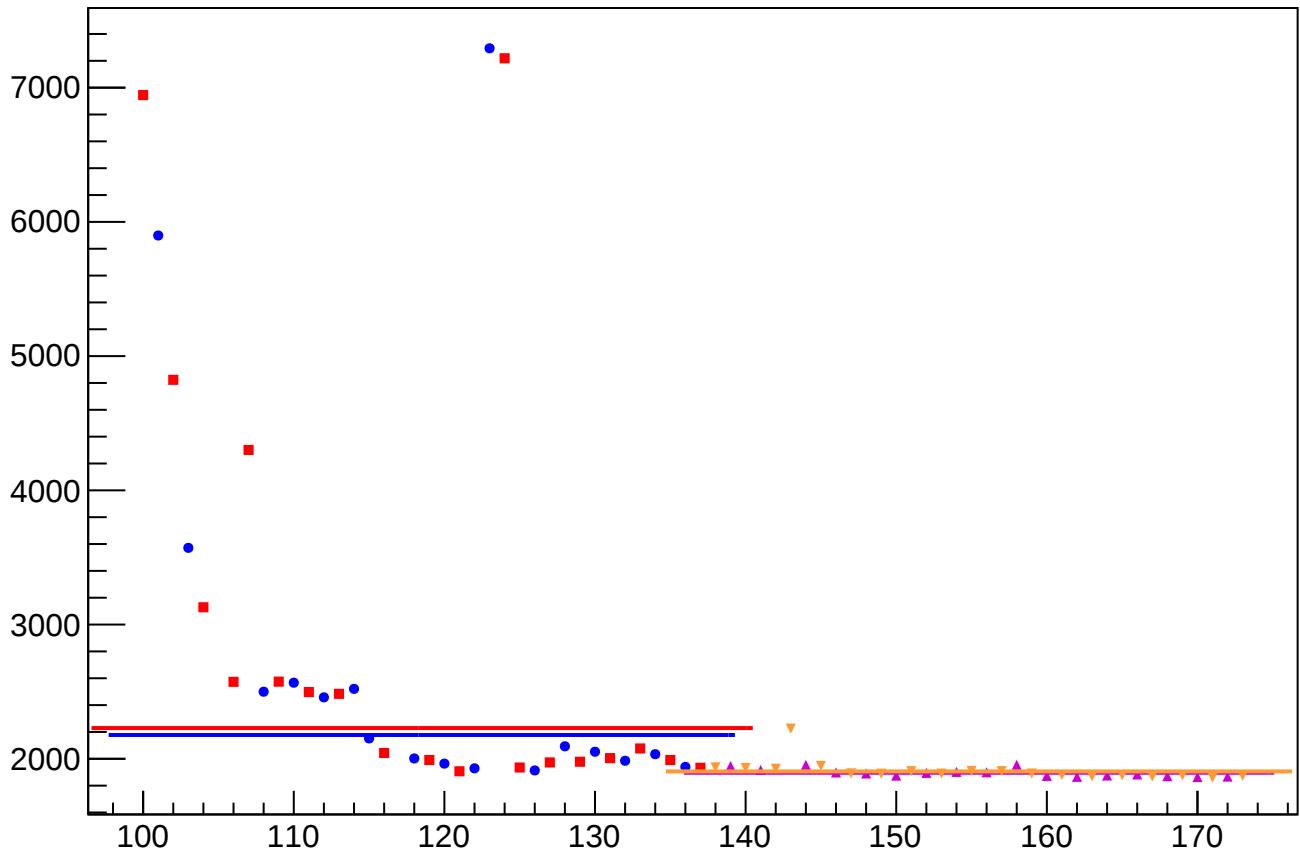
Left In: 516.086 ± 522.265 χ^2/NDF : 26.7/16

+ sign -918.971 ± 437.904 χ^2/NDF : 40.4/35

All: -146.491 ± 312.958 χ^2/NDF : 90.4/71

- sign 659.958 ± 447.429 χ^2/NDF : 43.7/35

asym_at1_dd_rms vs Slug



Right In: 2177.446 ± 0.617 χ^2/NDF : 802836.7/16

Left Out: 1906.037 ± 0.358 χ^2/NDF : 32372.6/18

Right Out: 2229.014 ± 0.613 χ^2/NDF : 895809.1/18

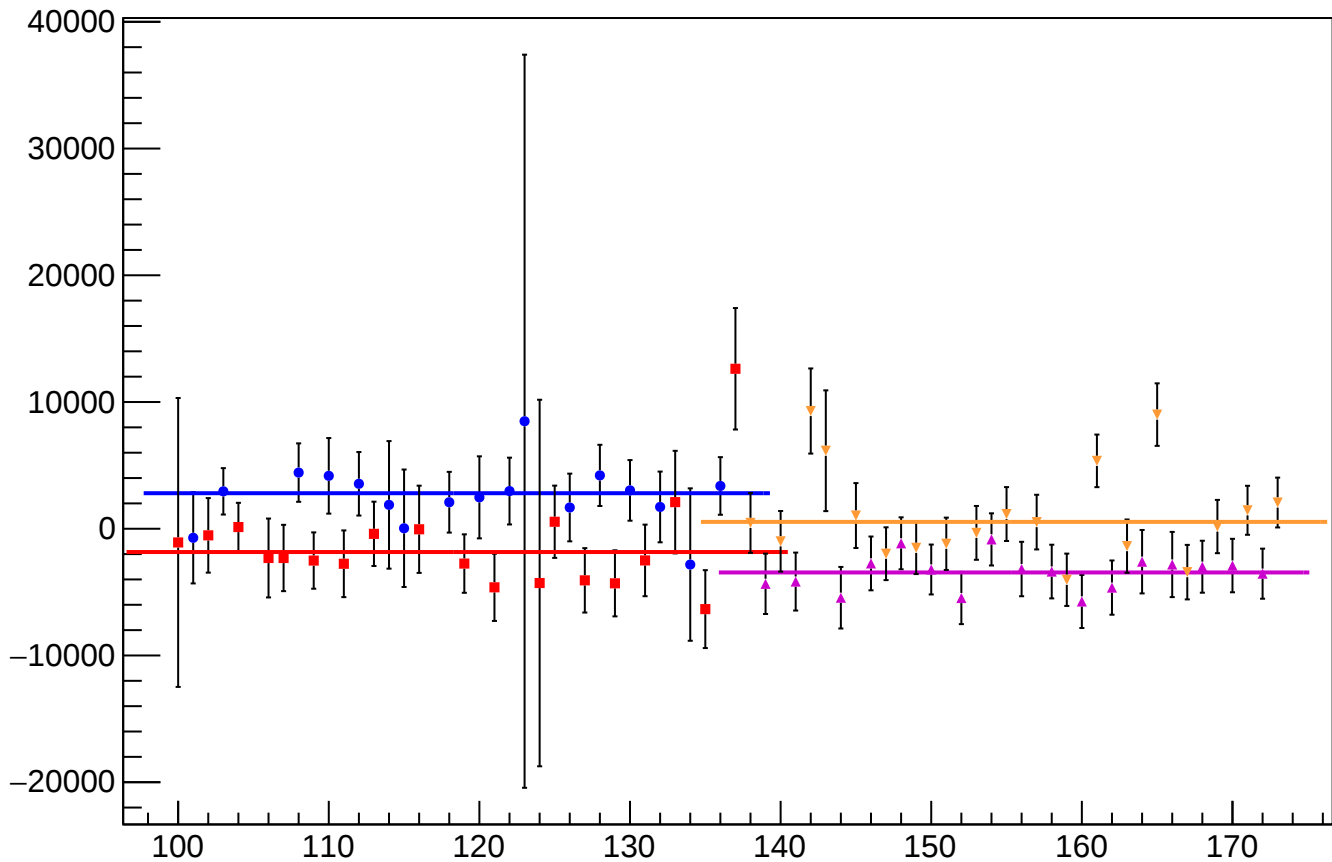
Left In: 1895.894 ± 0.369 χ^2/NDF : 6342.1/16

+ sign 1974.496 ± 0.310 χ^2/NDF : 980116.3/35

All: 1979.400 ± 0.221 χ^2/NDF : 2099259.2/71

- sign 1984.521 ± 0.316 χ^2/NDF : 1118630.1/35

reg_asym_at2_avg_mean vs Slug



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

Left Out: 541.444 ± 511.593 χ^2/NDF : 39.1/18

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

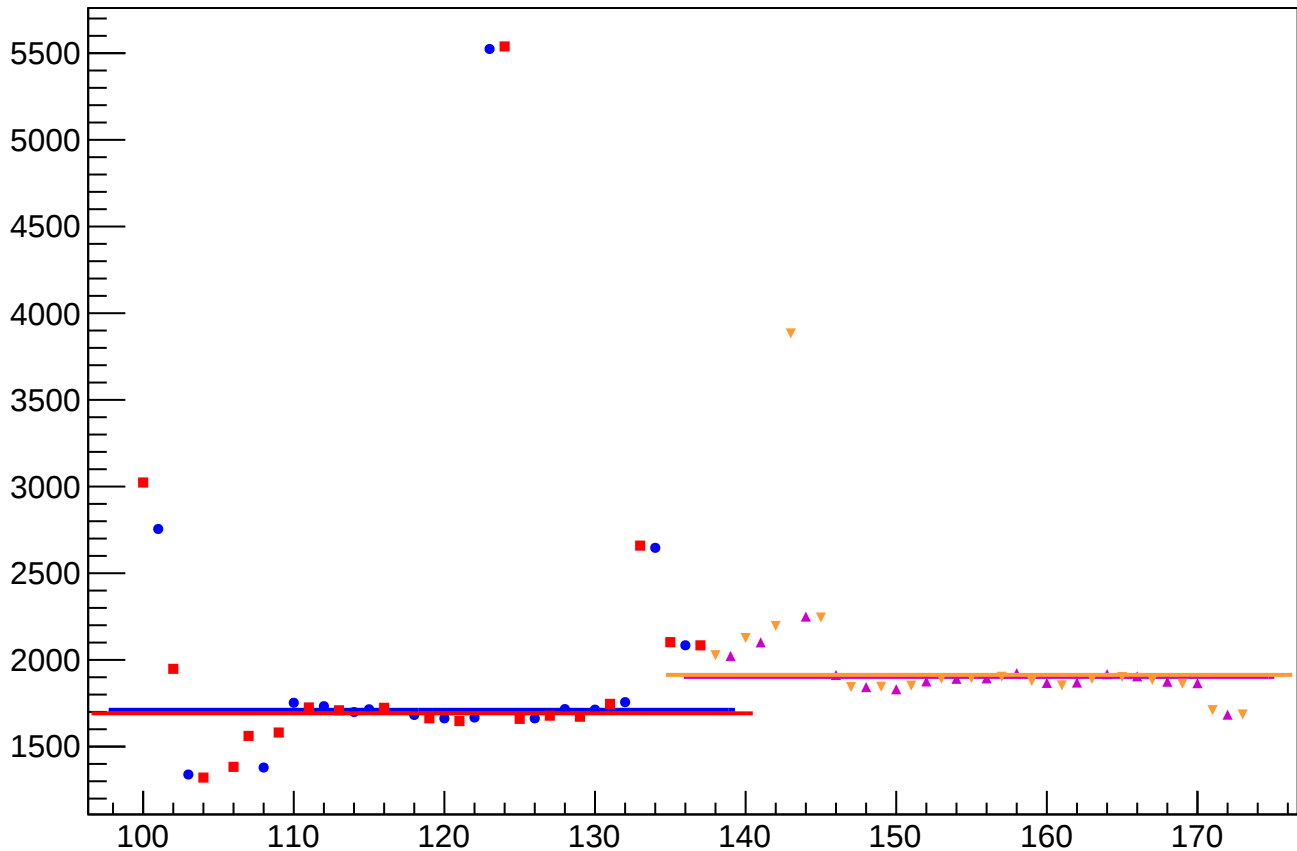
Left In: -3449.114 ± 523.948 χ^2/NDF : 6.7/16

+ sign 1361.420 ± 408.498 χ^2/NDF : 50.1/35

All: -725.818 ± 289.109 χ^2/NDF : 130.9/71

- sign -2820.496 ± 409.225 χ^2/NDF : 28.4/35

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154 ± 0.480 χ^2/NDF : 432478.4/16

Left Out: 1913.699 ± 0.362 χ^2/NDF : 469518.0/18

Right Out: 1691.747 ± 0.463 χ^2/NDF : 454922.1/18

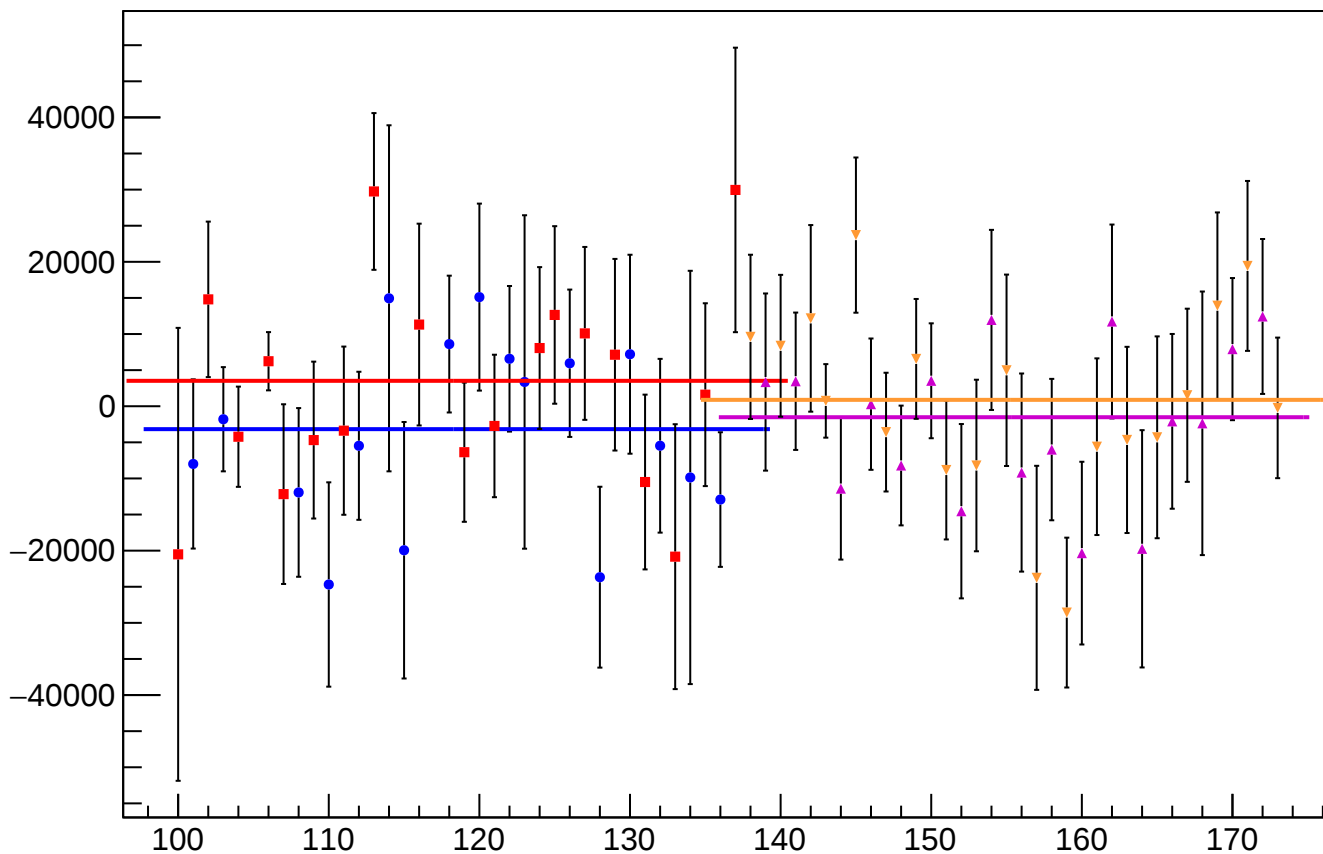
Left In: 1902.081 ± 0.370 χ^2/NDF : 92693.2/16

+ sign 1840.654 ± 0.289 χ^2/NDF : 1014494.8/35

- sign 1820.055 ± 0.289 χ^2/NDF : 673308.6/35

All: 1830.373 ± 0.204 χ^2/NDF : 1690341.7/71

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245+/-2851.982 χ^2/NDF : 14.4/16

Left Out: 884.682+/-2317.544 χ^2/NDF : 23.6/18

Right Out: 3520.105+/-2266.532 χ^2/NDF : 19.5/18

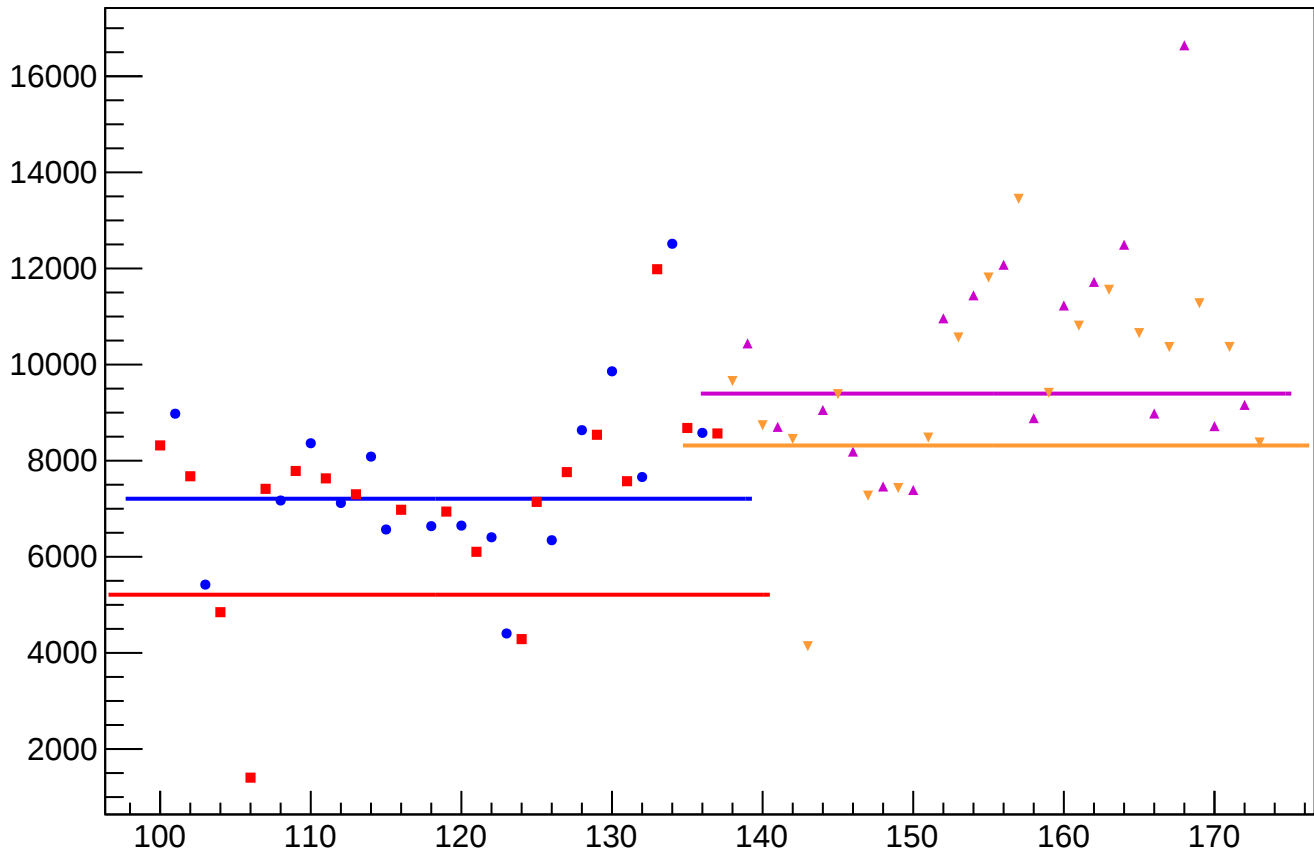
Left In: -1521.007+/-2636.606 χ^2/NDF : 12.4/16

+ sign -729.200+/-1798.583 χ^2/NDF : 39.2/35

All: 372.136+/-1242.607 χ^2/NDF : 74.0/71

- sign 1377.881+/-1718.757 χ^2/NDF : 34.0/35

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567+/-2.017 χ^2/NDF : 469302.0/16

Left Out: 8316.671+/-1.639 χ^2/NDF : 2394218.7/18

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

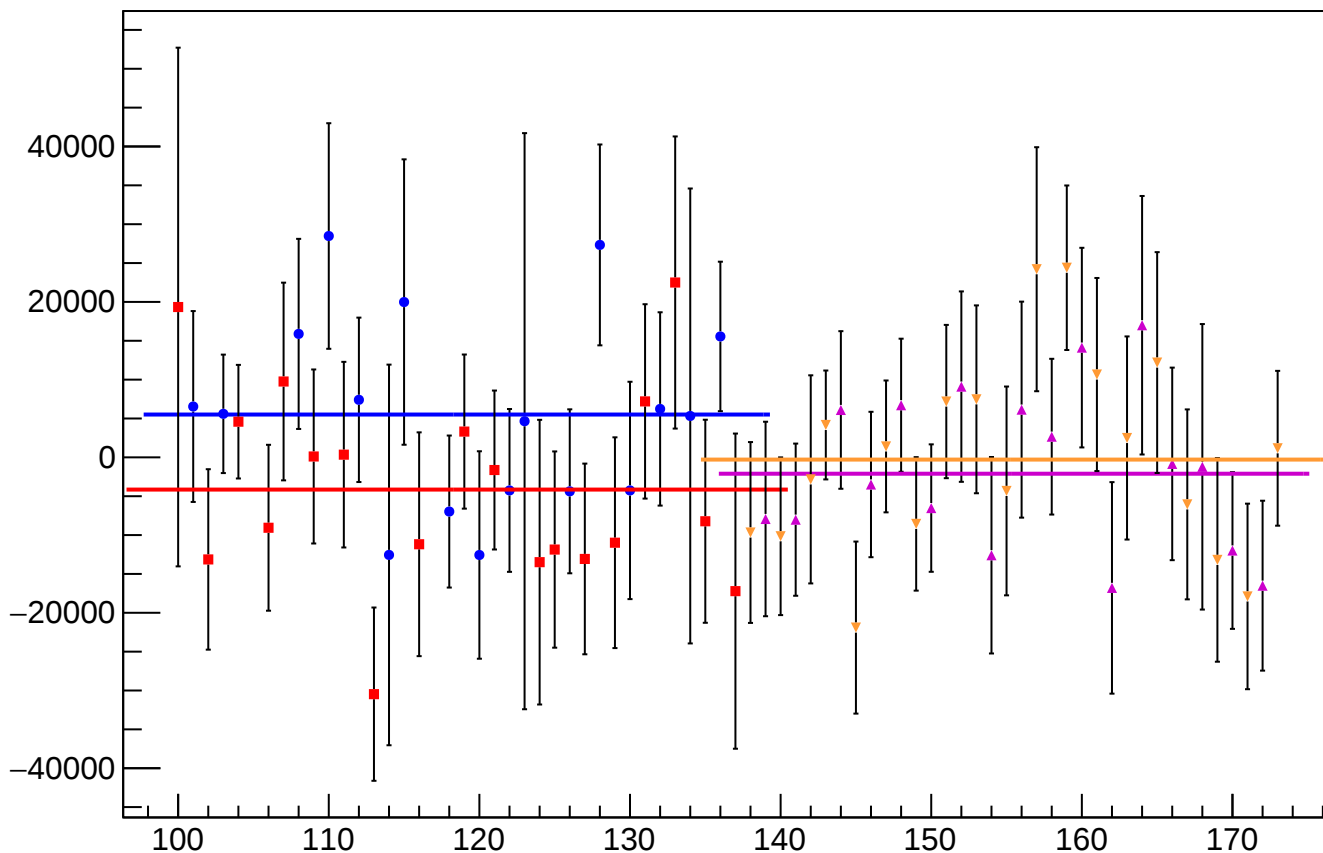
Left In: 9395.995+/-1.864 χ^2/NDF : 968973.7/16

+ sign 7875.966+/-1.272 χ^2/NDF : 3045366.2/35

All: 7412.637+/-0.879 χ^2/NDF : 10362453.6/7

- sign 6989.524+/-1.215 χ^2/NDF : 7063160.4/35

asym_at2_avg_mean vs Slug



Right In: 5509.395 $\pm$ 2971.033 χ^2/NDF : 14.1/16

Left Out: -287.238 $\pm$ 2490.499 χ^2/NDF :20.8/18

Right Out: -4146.067 $\pm$ 2790.212 χ^2/NDF : 15.4/18

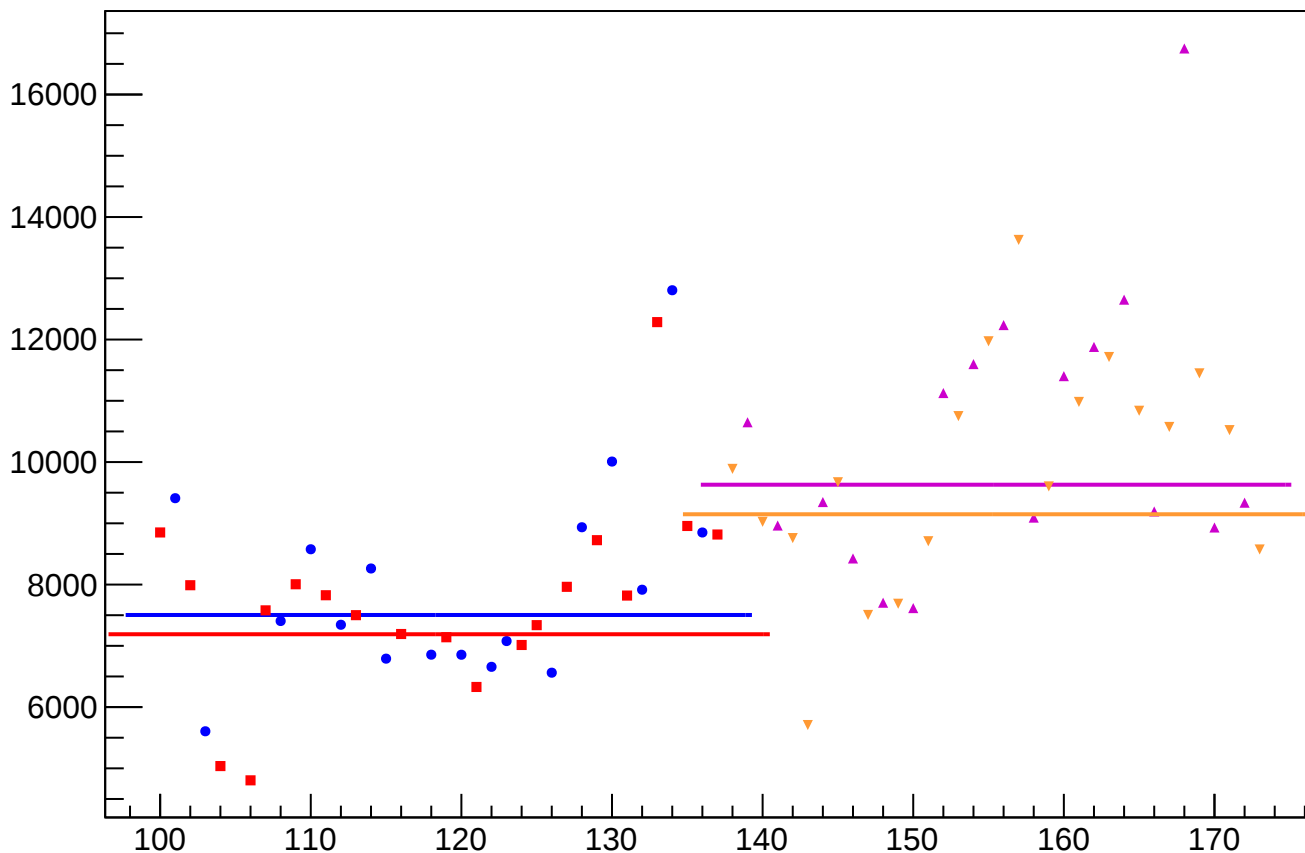
Left In: -2105.954 $\pm$ 2698.559 χ^2/NDF :11.5/16

+ sign 2104.978 $\pm$ 1908.622 χ^2/NDF : 37.1/35

All: -451.438 $\pm$ 1360.475 χ^2/NDF : 67.9/71

- sign -3091.954 $\pm$ 1939.762 χ^2/NDF : 27.2/35

asym_at2_avg_rms vs Slug



Right In: 7503.667+/-2.101 χ^2/NDF : 427313.5/16

Left Out: 9147.962+/-1.761 χ^2/NDF : 1194872.1/18

Right Out: 7189.231+/-1.973 χ^2/NDF : 557703.4/18

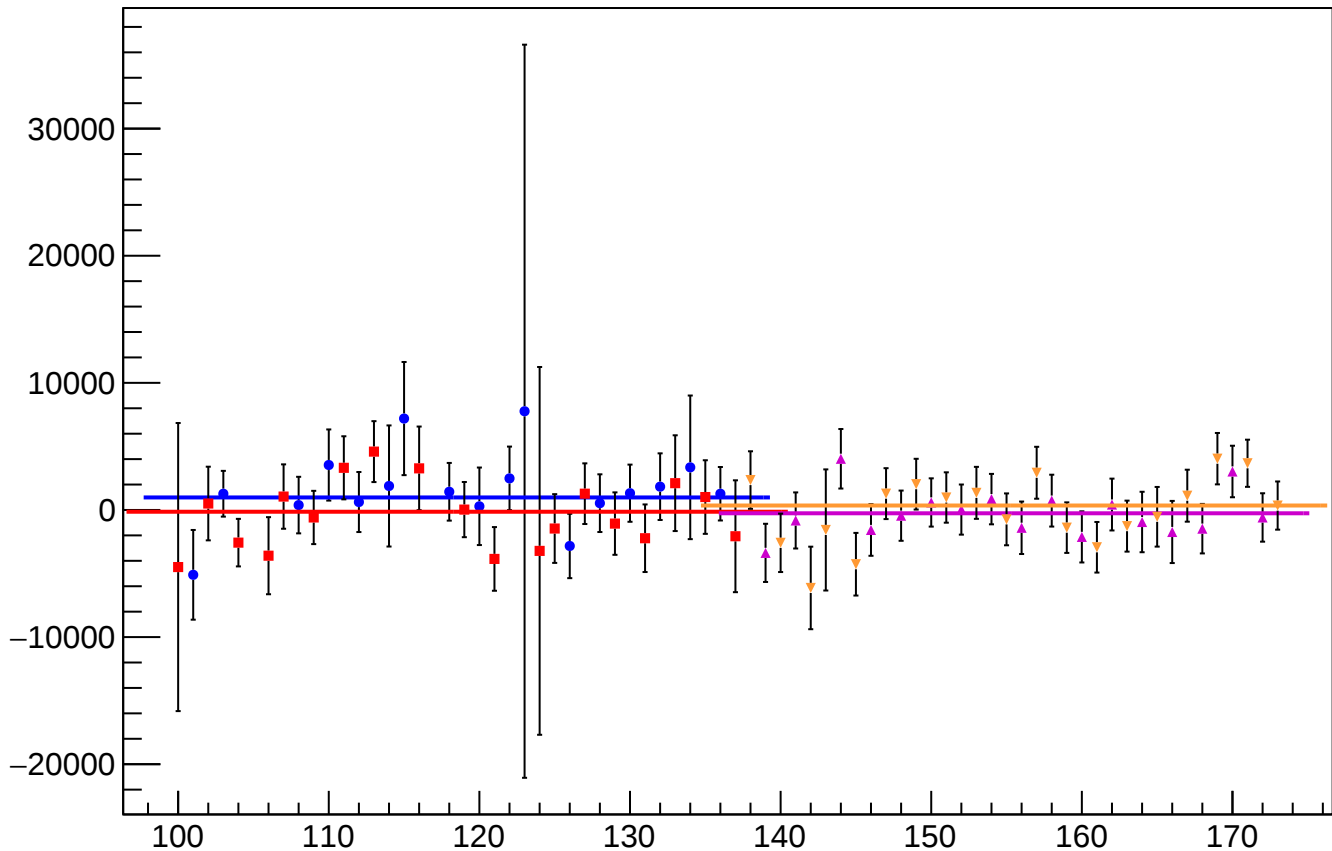
Left In: 9630.252+/-1.908 χ^2/NDF : 906496.8/16

+ sign 8469.356+/-1.350 χ^2/NDF : 1981980.1/35

All: 8459.999+/-0.962 χ^2/NDF : 4237301.1/71

- sign 8450.334+/-1.372 χ^2/NDF : 2255223.3/35

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 ± 644.630 χ^2/NDF : 9.1/16

Left Out: 351.004 ± 490.804 χ^2/NDF : 24.2/18

Right Out: -138.627 ± 623.555 χ^2/NDF : 14.7/18

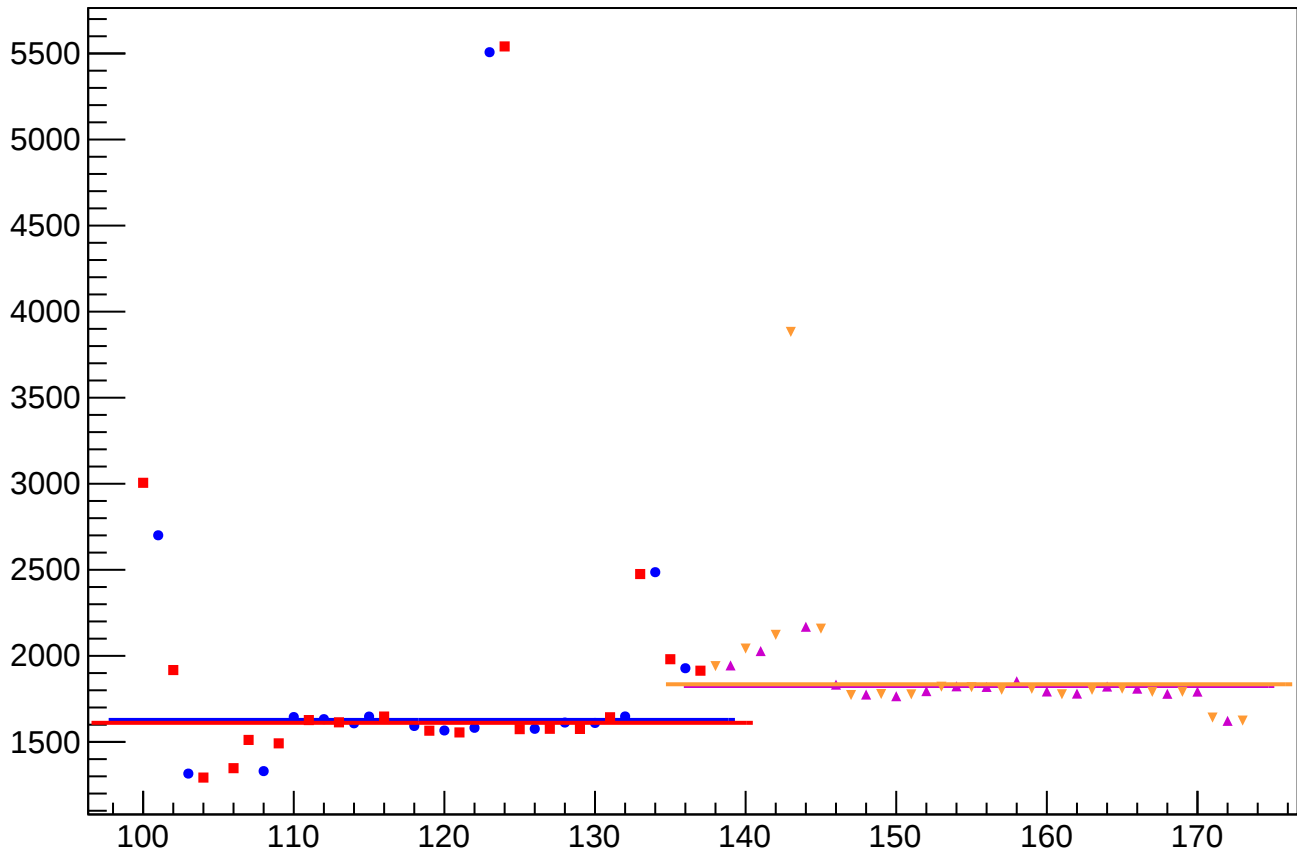
Left In: -260.527 ± 502.750 χ^2/NDF : 11.2/16

+ sign 583.824 ± 390.501 χ^2/NDF : 33.8/35

All: 186.559 ± 276.437 χ^2/NDF : 61.9/71

- sign -212.503 ± 391.383 χ^2/NDF : 25.9/35

reg_asym_at2_dd_rms vs Slug



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

Left Out: 1834.975 ± 0.347 χ^2/NDF : 497322.2/18

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

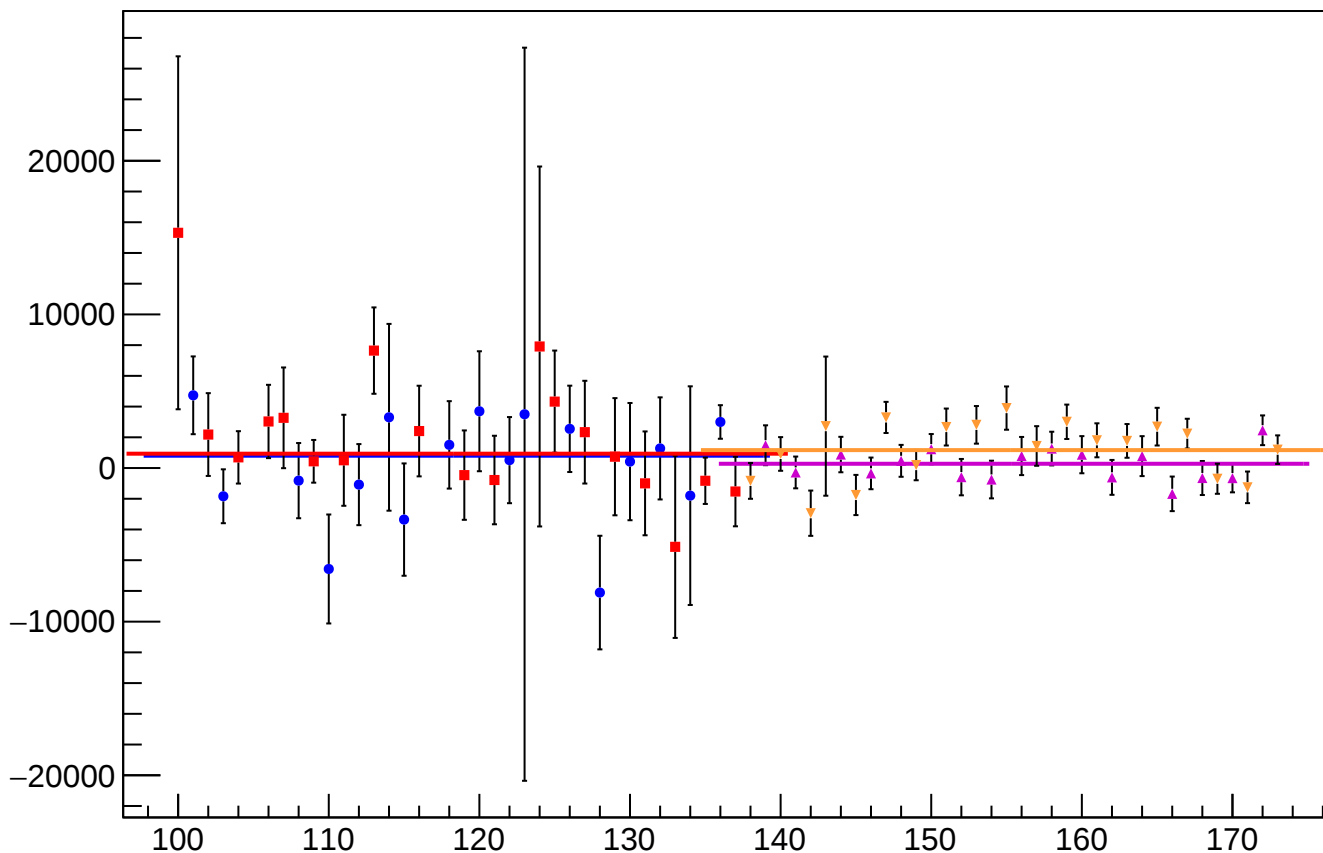
Left In: 1824.987 ± 0.355 χ^2/NDF : 95419.9/16

+ sign 1758.962 ± 0.276 χ^2/NDF : 1035154.5/35

All: 1749.834 ± 0.195 χ^2/NDF : 1709538.2/71

- sign 1740.663 ± 0.277 χ^2/NDF : 672192.8/35

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 1166.195 $\pm$ 263.171 χ^2 /NDF:43.7/18

Right Out: 933.645 $\pm$ 589.727 χ^2 /NDF: 15.3/18

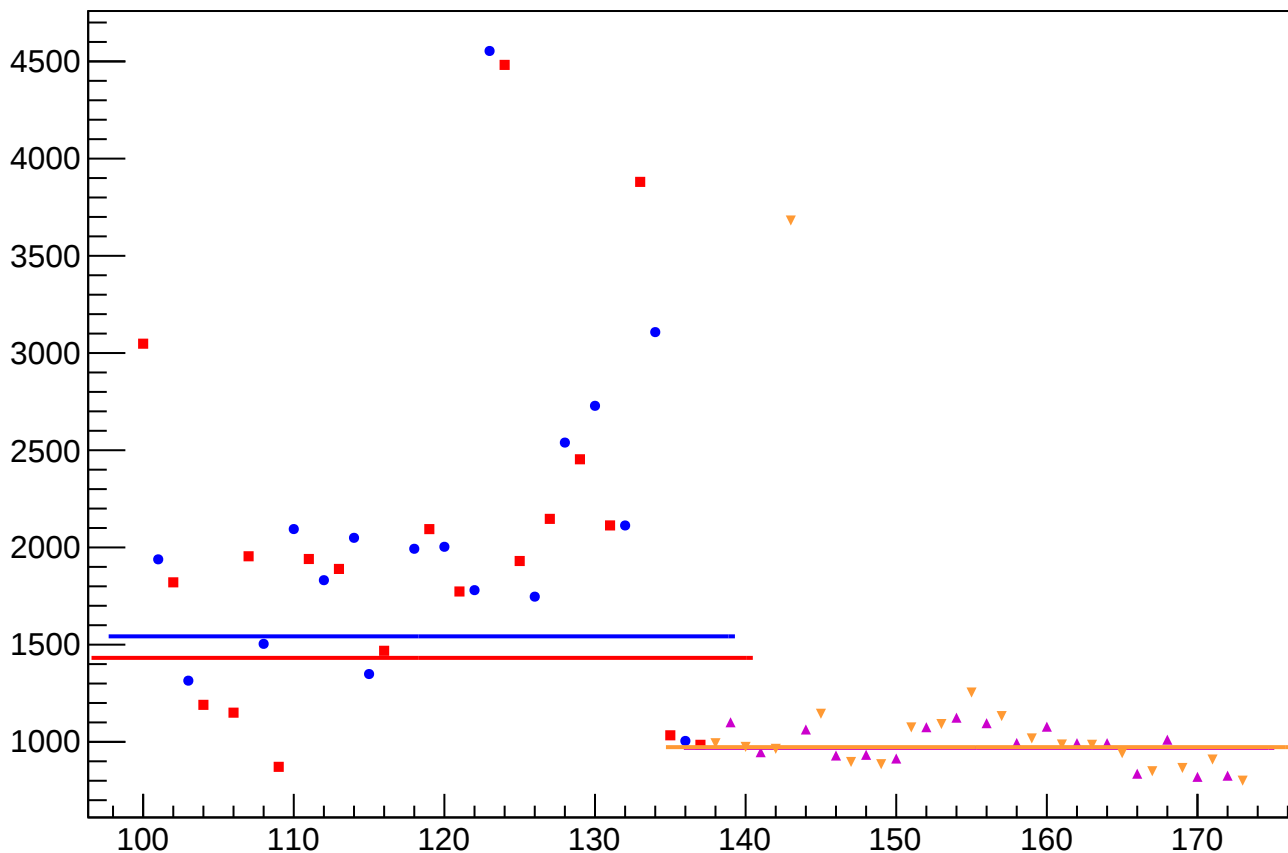
Left In: 277.653 $\pm$ 267.919 χ^2 /NDF:15.8/16

+ sign 1112.485 $\pm$ 242.931 χ^2 /NDF: 66.4/35

All: 752.663 $\pm$ 172.129 χ^2 /NDF: 102.9/71

- sign 389.884 $\pm$ 243.926 χ^2 /NDF: 32.1/35

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705 $\pm$ 0.447 χ^2 /NDF: 1287946.3/16

Left Out: 972.842 $\pm$ 0.186 χ^2 /NDF: 1058932.4/18

Right Out: 1432.013 $\pm$ 0.417 χ^2 /NDF: 1823809.4/18

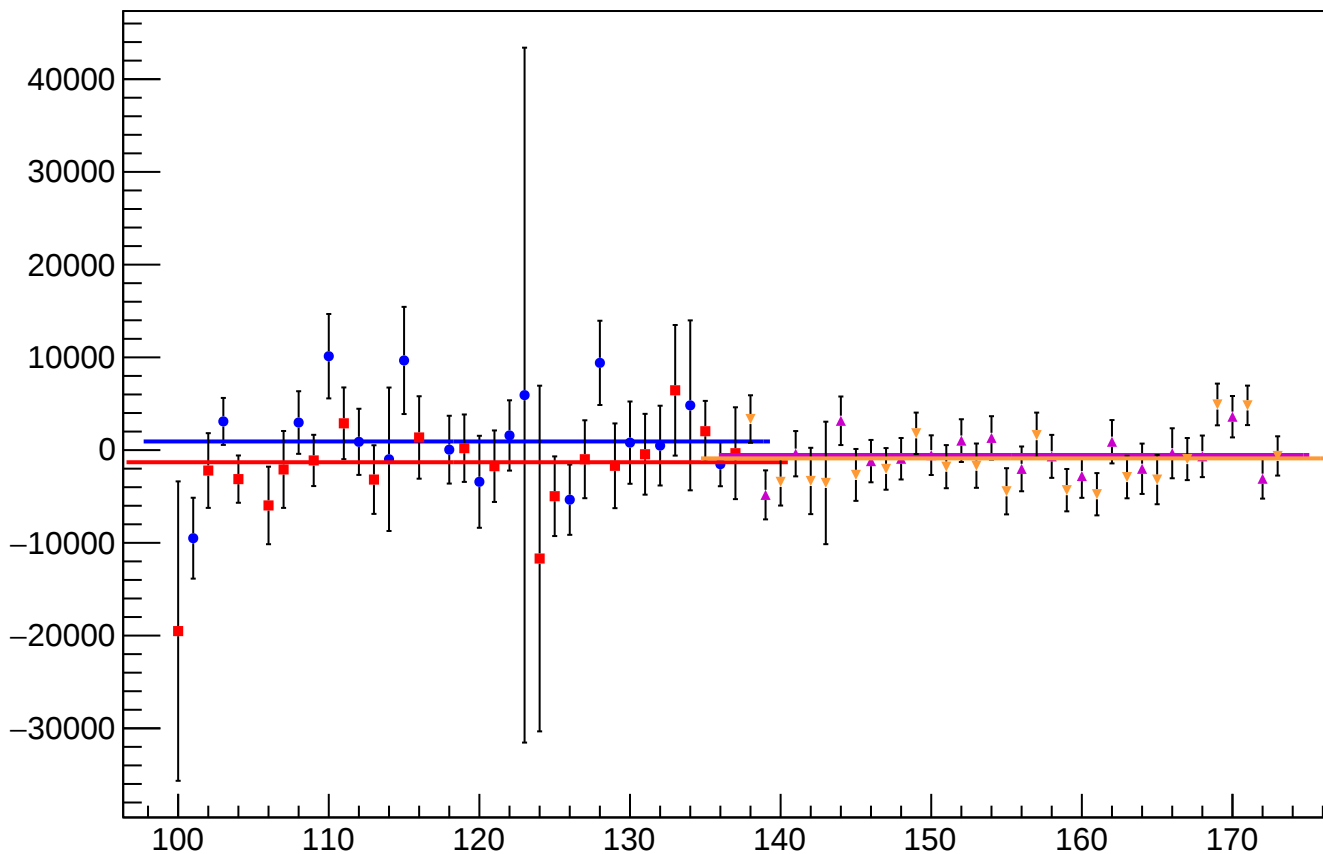
Left In: 968.788 $\pm$ 0.189 χ^2 /NDF: 260662.9/16

+ sign 1057.126 $\pm$ 0.172 χ^2 /NDF: 3733865.5/35

All: 1052.601 $\pm$ 0.122 χ^2 /NDF: 6842603.0/71

- sign 1048.040 $\pm$ 0.172 χ^2 /NDF: 3107344.3/35

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -893.509 ± 561.069 χ^2/NDF : 30.4/18

Right Out: -1307.802 ± 925.415 χ^2/NDF : 8.5/18

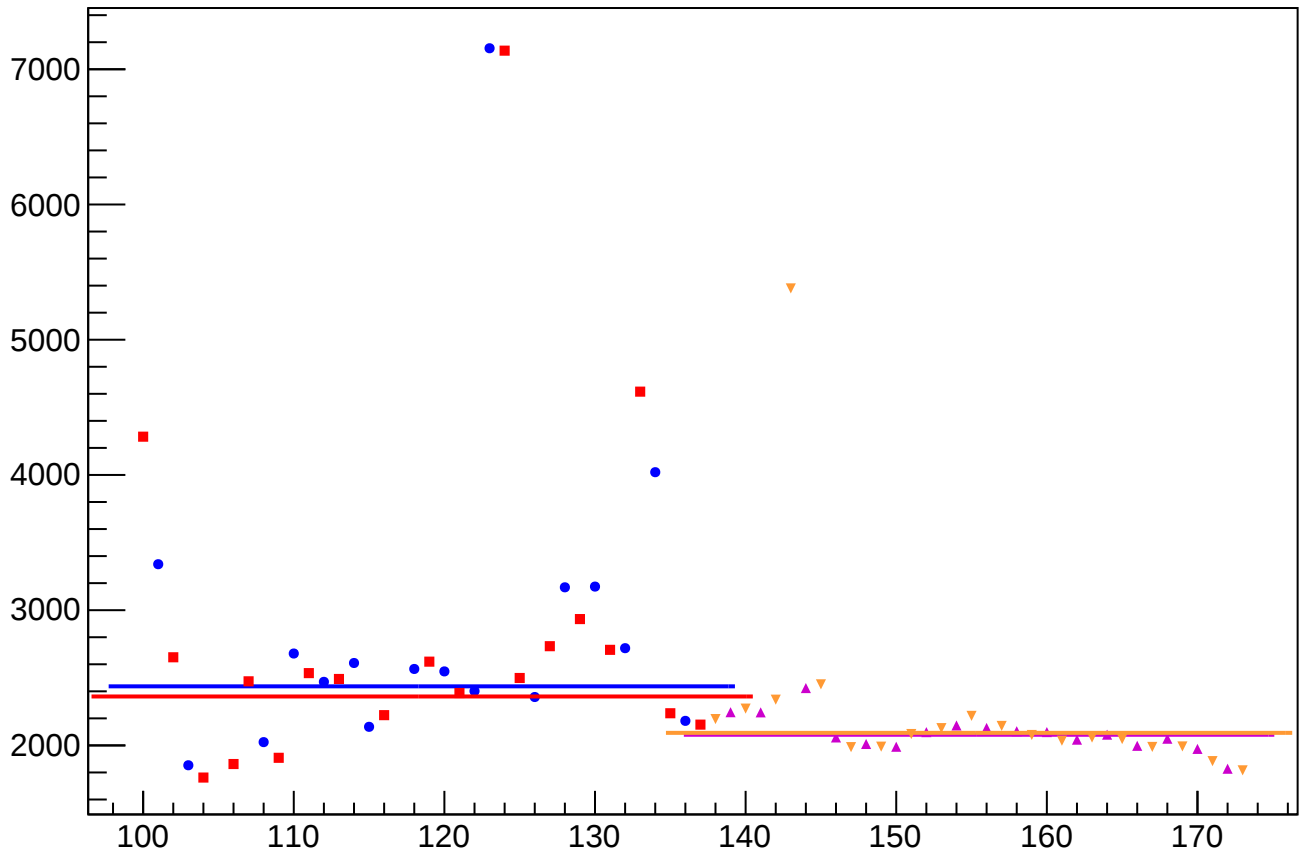
Left In: -526.545 ± 572.597 χ^2/NDF : 12.7/16

+ sign -434.197 ± 485.415 χ^2/NDF : 54.7/35

All: -588.039 ± 343.773 χ^2/NDF : 76.5/71

- sign -742.839 ± 486.925 χ^2/NDF : 21.7/35

asym_at2_dd_rms vs Slug



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2092.900+/-0.397 χ^2/NDF : 629978.4/18

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

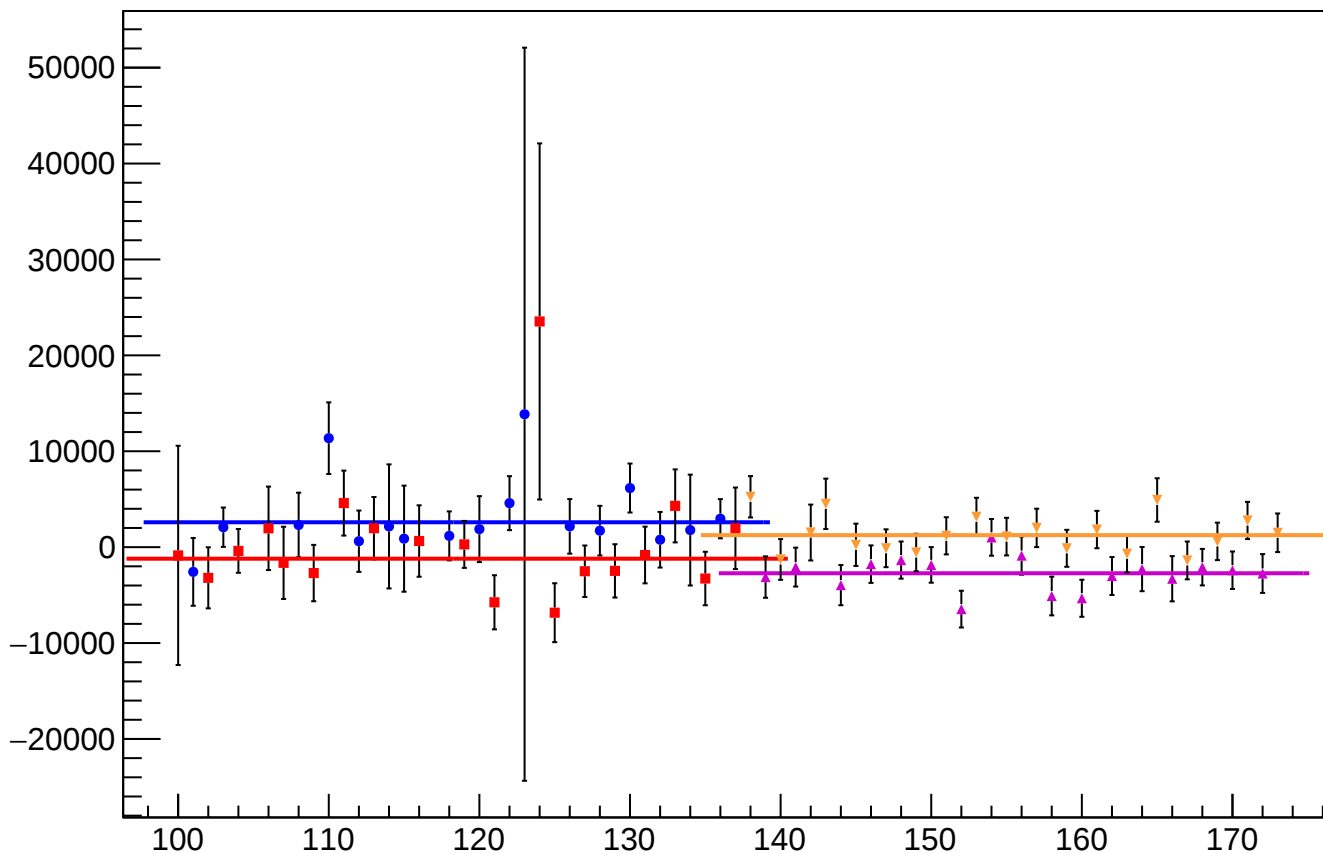
Left In: 2078.667+/-0.405 χ^2/NDF : 95025.1/16

+ sign 2179.403+/-0.343 χ^2/NDF : 1288039.5/35

All: 2168.274+/-0.243 χ^2/NDF : 2176481.5/71

- sign 2157.076+/-0.344 χ^2/NDF : 886332.9/35

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684 ± 743.000 χ^2/NDF : 11.7/16

Left Out: 1251.352 ± 472.537 χ^2/NDF : 15.8/18

Right Out: -1202.548 ± 739.618 χ^2/NDF : 17.2/18

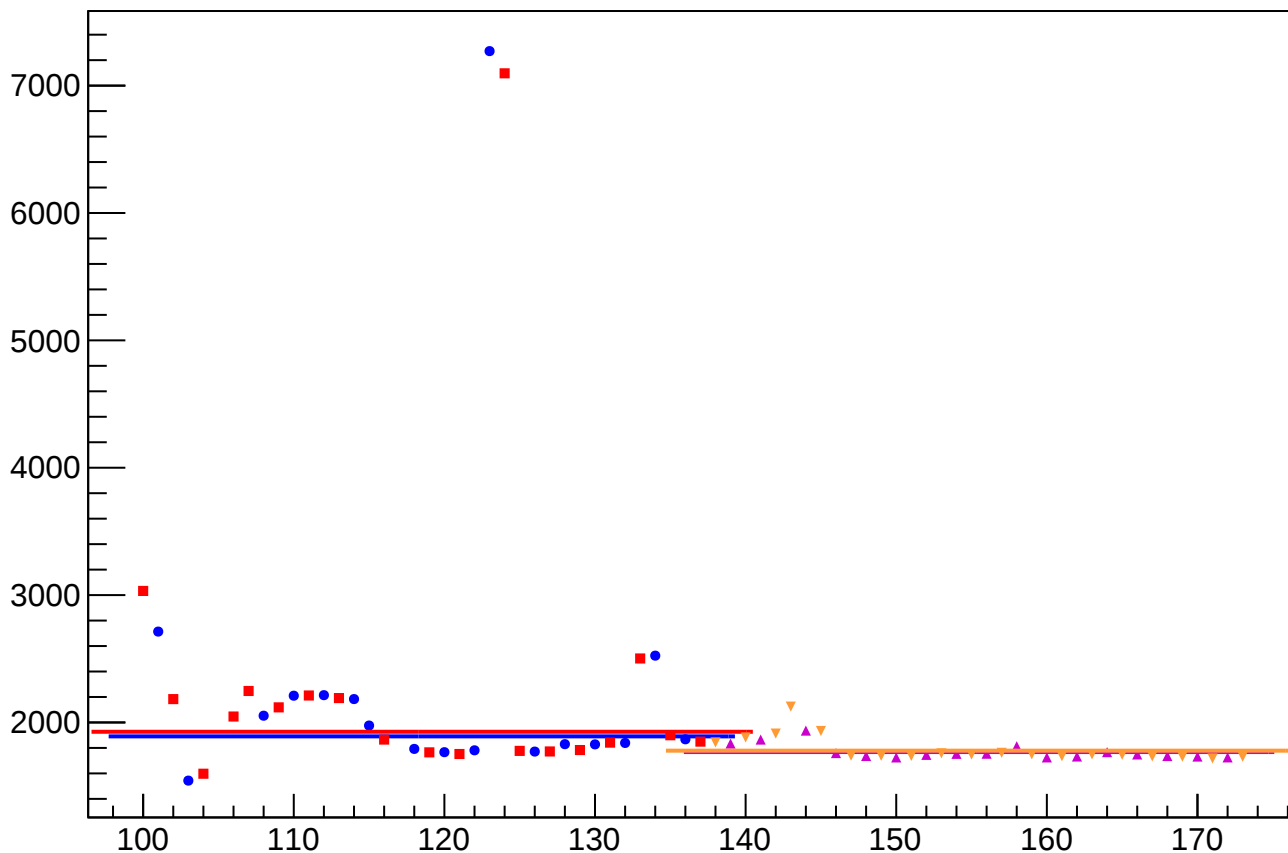
Left In: -2722.179 ± 486.745 χ^2/NDF : 13.4/16

+ sign 1638.219 ± 398.730 χ^2/NDF : 29.8/35

All: -274.250 ± 284.685 χ^2/NDF : 110.3/71

- sign -2262.927 ± 406.596 χ^2/NDF : 33.6/35

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1778.581+/-0.334 χ^2/NDF : 66391.0/18

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

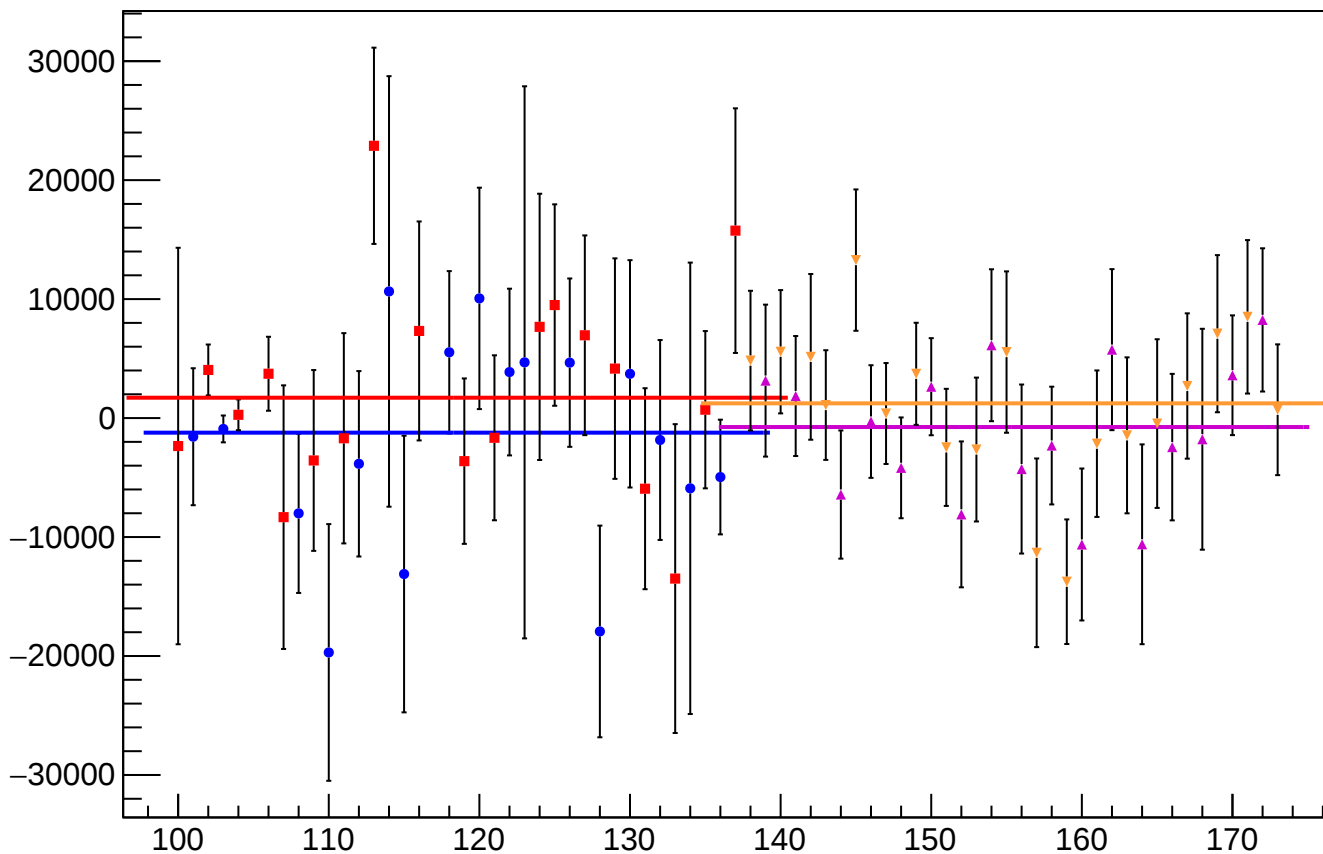
Left In: 1767.717+/-0.344 χ^2/NDF : 26315.8/16

+ sign 1810.877+/-0.282 χ^2/NDF : 387774.4/35

All: 1813.362+/-0.201 χ^2/NDF : 841329.7/71

- sign 1815.944+/-0.287 χ^2/NDF : 453396.9/35

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915 $\pm$ 984.603 χ^2/NDF : 13.8/16

Left Out: 1239.007 $\pm$ 1300.335 χ^2/NDF : 20.6/18

Right Out: 1711.747 $\pm$ 941.580 χ^2/NDF : 17.8/18

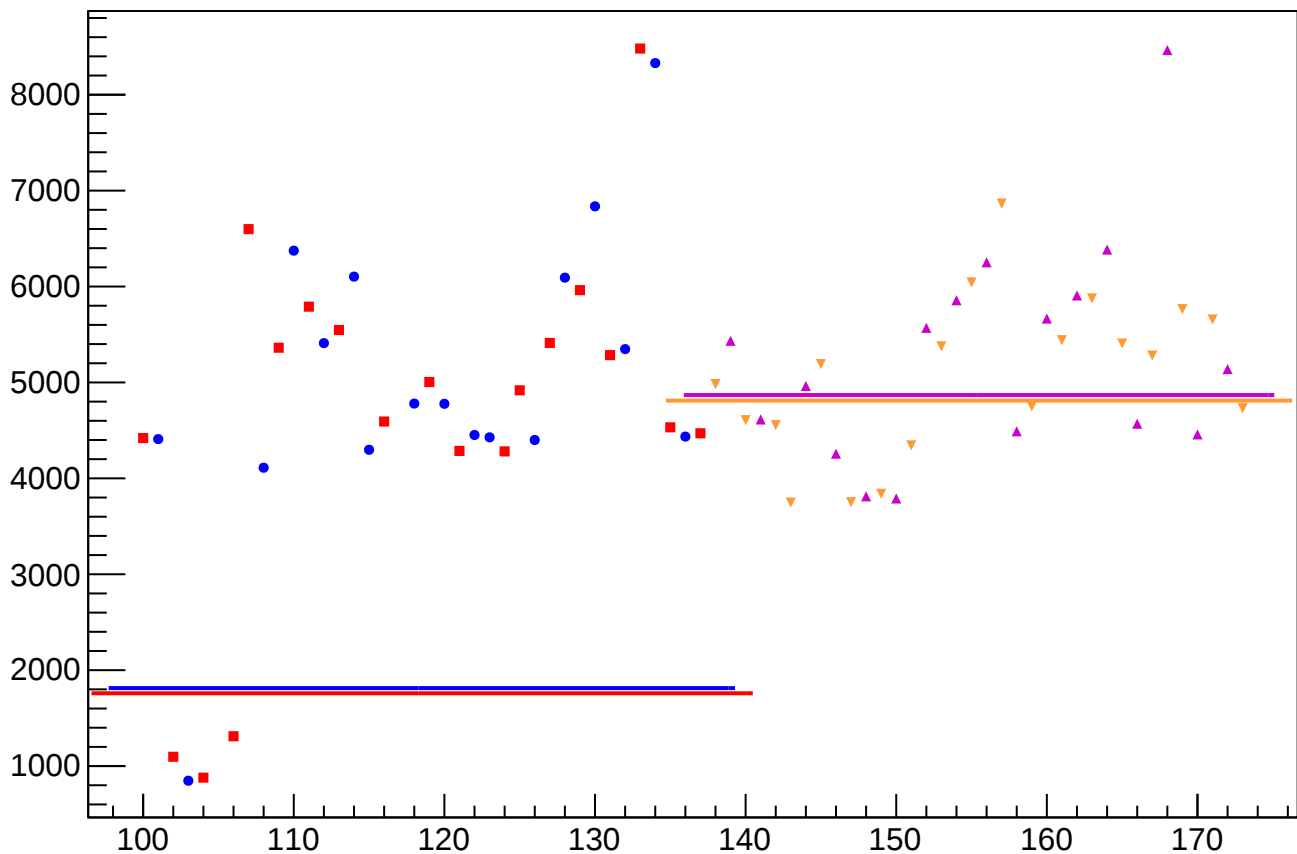
Left In: -753.936 $\pm$ 1365.816 χ^2/NDF : 13.8/16

+ sign -328.310 $\pm$ 784.964 χ^2/NDF : 36.7/35

All: 302.337 $\pm$ 551.575 χ^2/NDF : 71.8/71

- sign 917.420 $\pm$ 775.217 χ^2/NDF : 33.8/35

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4810.788+/-0.919 χ^2/NDF : 761792.2/18

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

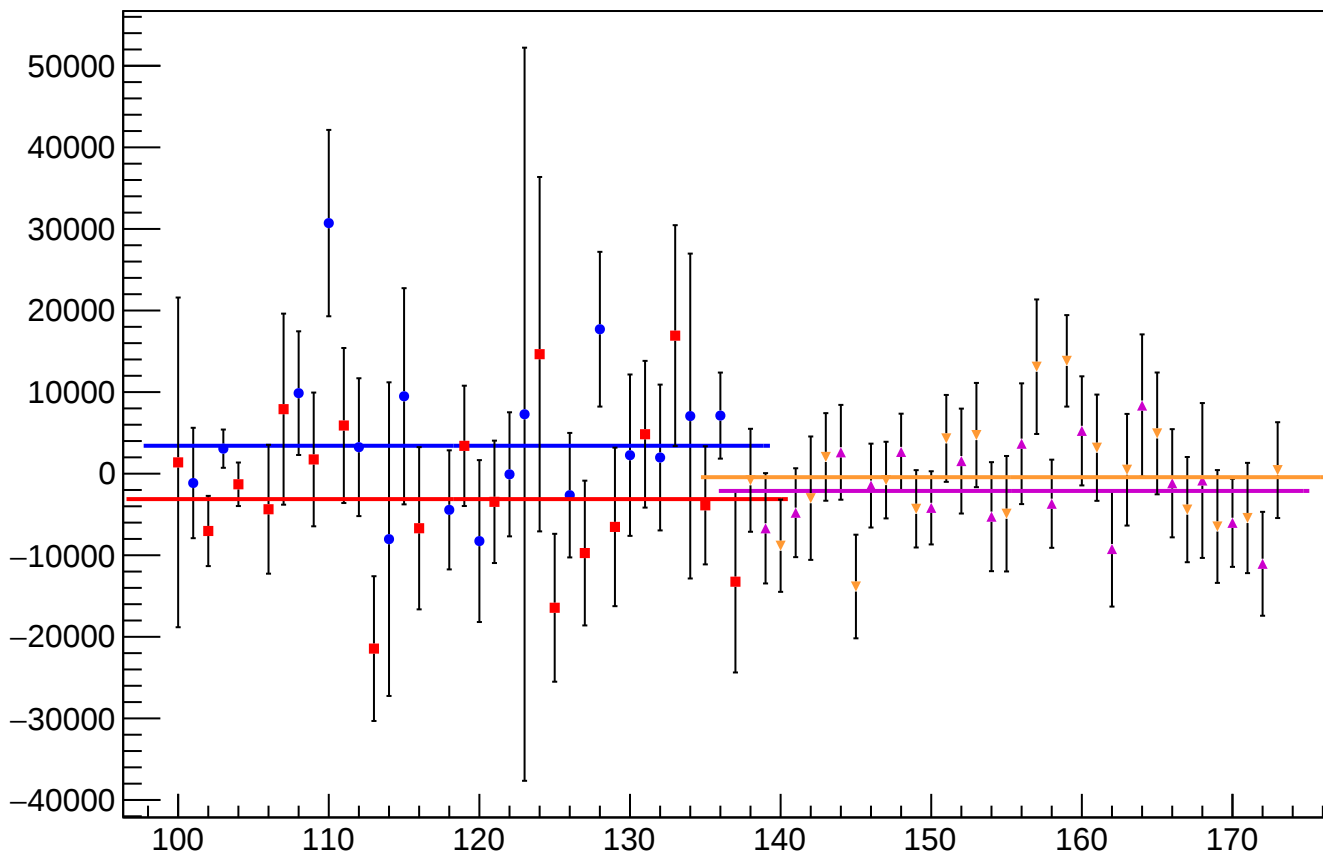
Left In: 4868.680+/-0.966 χ^2/NDF : 946136.6/16

+ sign 2905.546+/-0.555 χ^2/NDF : 13966095.0/35

All: 2832.311+/-0.390 χ^2/NDF : 28286707.8/7

- sign 2760.884+/-0.548 χ^2/NDF : 14286225.4/35

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -430.736+/-1402.953 χ^2/NDF : 21.2/18

Right Out: -3117.857+/-1605.930 χ^2/NDF : 16.0/18

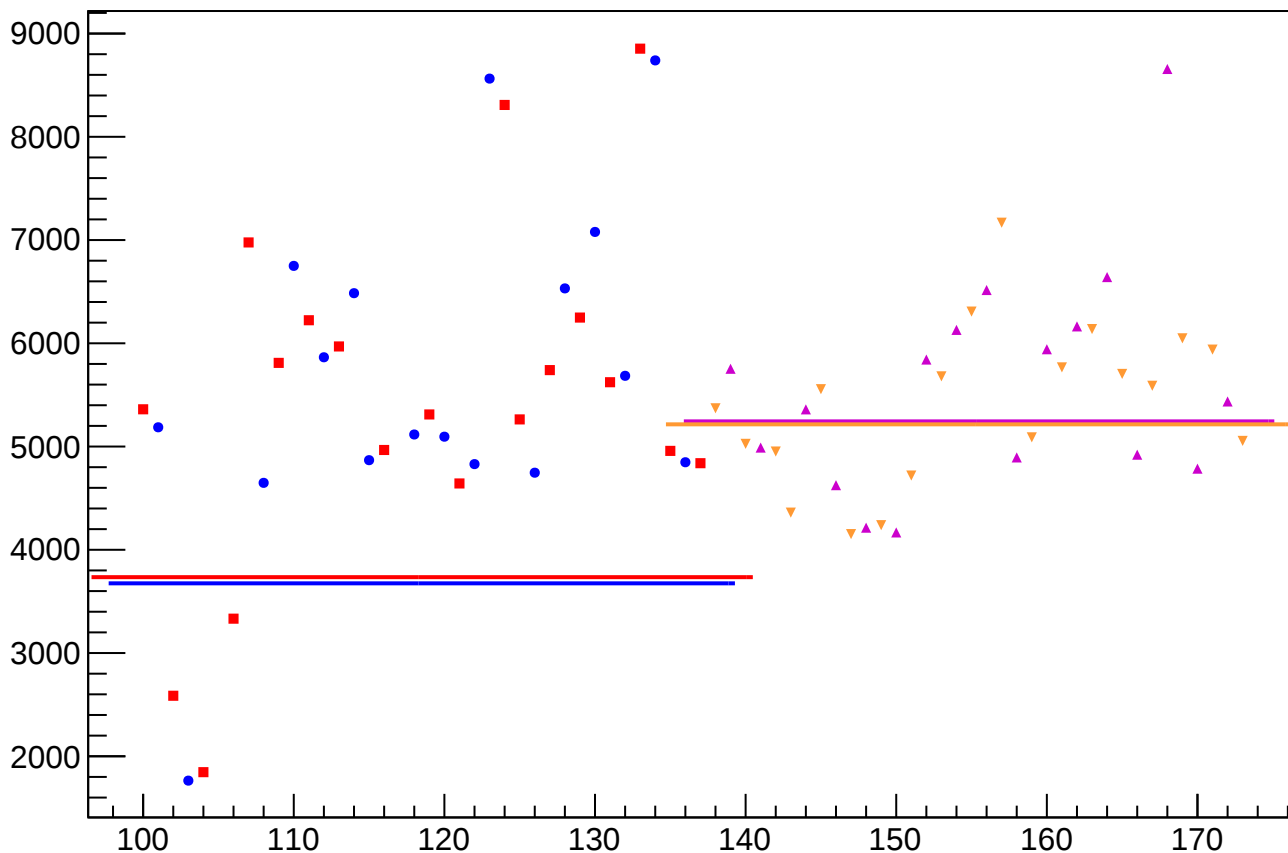
Left In: -2116.558+/-1465.443 χ^2/NDF : 10.1/16

+ sign 1235.708+/-1056.771 χ^2/NDF : 38.2/35

All: -622.132+/-756.179 χ^2/NDF : 70.8/71

- sign -2571.503+/-1082.491 χ^2/NDF : 26.3/35

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5215.070+/-0.992 χ^2/NDF : 557883.1/18

Right Out: 3734.796+/-1.128 χ^2/NDF : 2693929.0/18

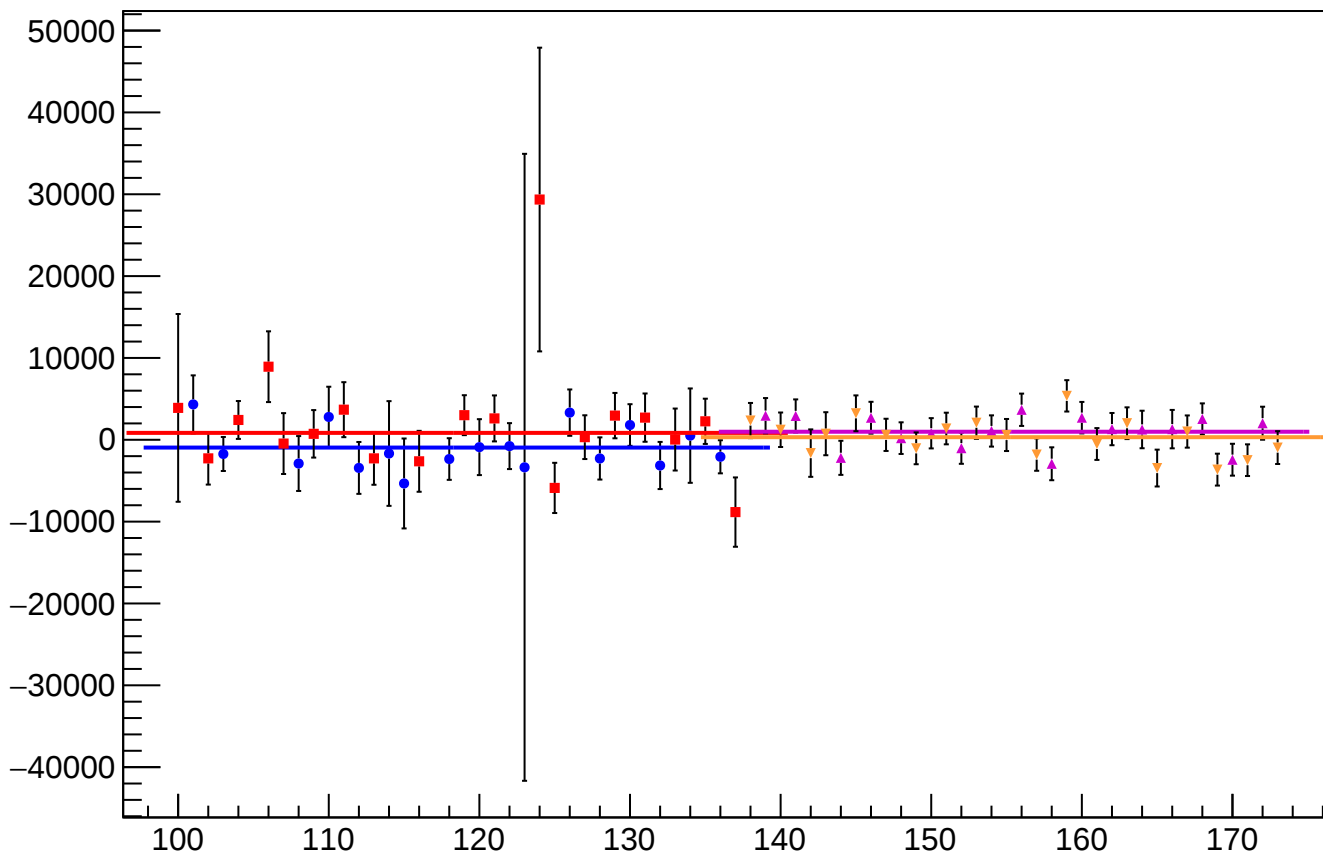
Left In: 5243.762+/-1.036 χ^2/NDF : 763442.3/16

+ sign 4548.809+/-0.747 χ^2/NDF : 4375591.0/35

All: 4550.943+/-0.534 χ^2/NDF : 8803476.5/71

- sign 4553.168+/-0.763 χ^2/NDF : 4427868.9/35

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 316.336 ± 470.675 χ^2/NDF : 23.6/18

Right Out: 843.515 ± 737.527 χ^2/NDF : 22.5/18

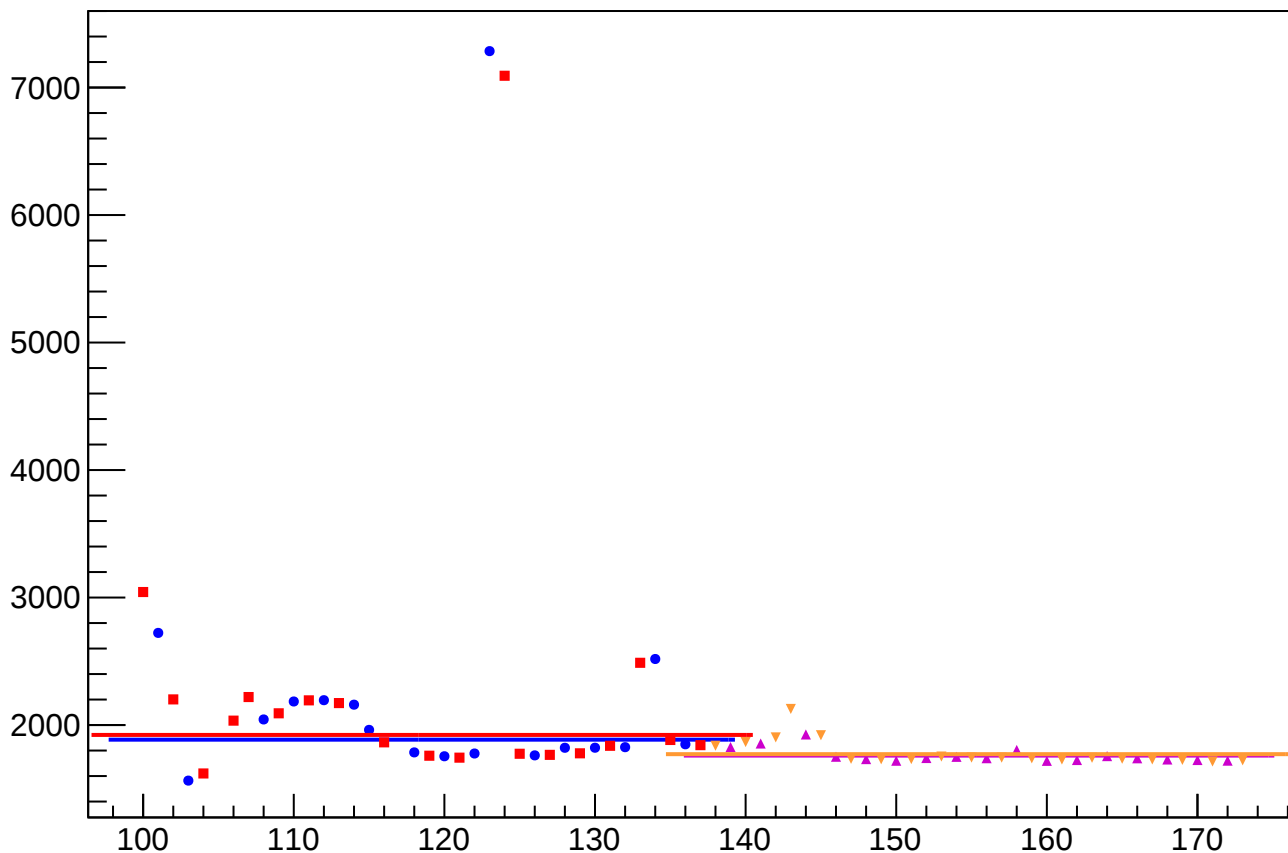
Left In: 982.604 ± 484.758 χ^2/NDF : 16.7/16

+ sign -48.336 ± 397.250 χ^2/NDF : 35.6/35

All: 436.491 ± 283.630 χ^2/NDF : 77.9/71

- sign 940.643 ± 405.090 χ^2/NDF : 39.2/35

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360 ± 0.524 χ^2/NDF : 280429.0/16

Left Out: 1771.624 ± 0.333 χ^2/NDF : 66252.3/18

Right Out: 1922.538 ± 0.521 χ^2/NDF : 351512.1/18

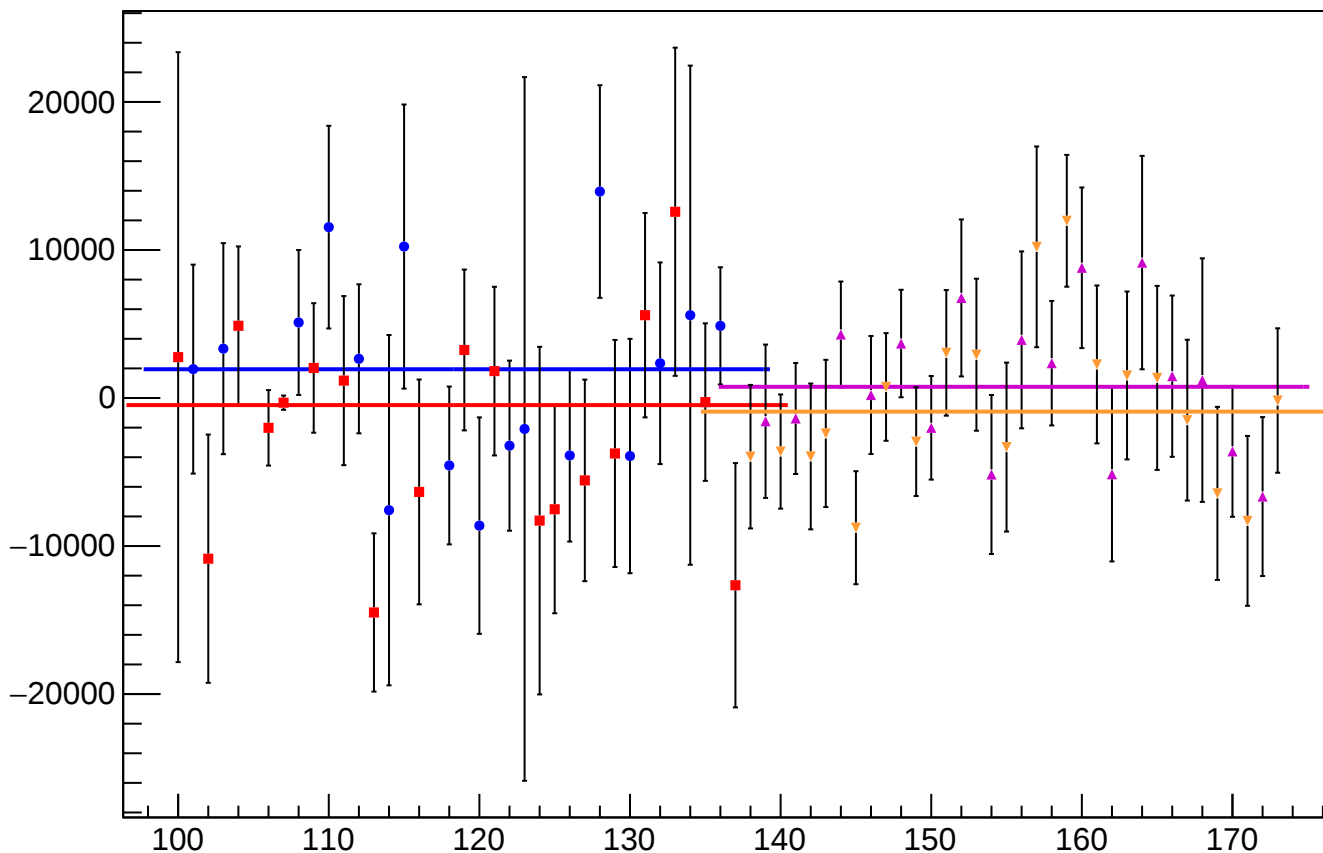
Left In: 1760.530 ± 0.343 χ^2/NDF : 25474.8/16

+ sign 1804.342 ± 0.281 χ^2/NDF : 380275.5/35

All: 1806.877 ± 0.201 χ^2/NDF : 824967.1/71

- sign 1809.511 ± 0.286 χ^2/NDF : 444525.5/35

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -918.810+/-1095.164 χ^2/NDF : 22.0/18

Right Out: -478.828+/-453.684 χ^2/NDF : 18.1/18

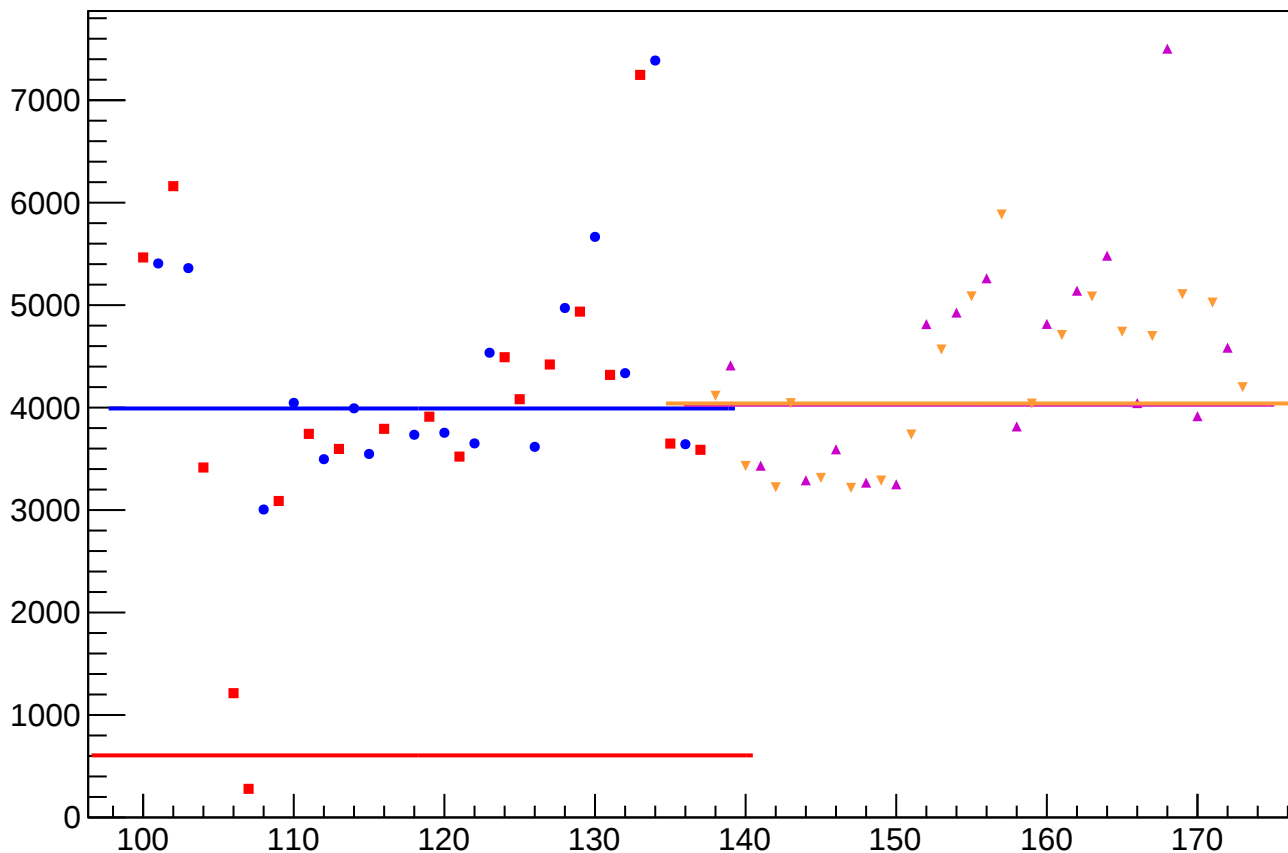
Left In: 757.314+/-1133.750 χ^2/NDF : 13.2/16

+ sign 9.143+/-900.280 χ^2/NDF : 37.4/35

All: -251.214+/-381.519 χ^2/NDF : 69.8/71

- sign -308.206+/-421.212 χ^2/NDF : 32.3/35

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 4040.217+/-0.774 χ^2/NDF : 892041.8/18

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

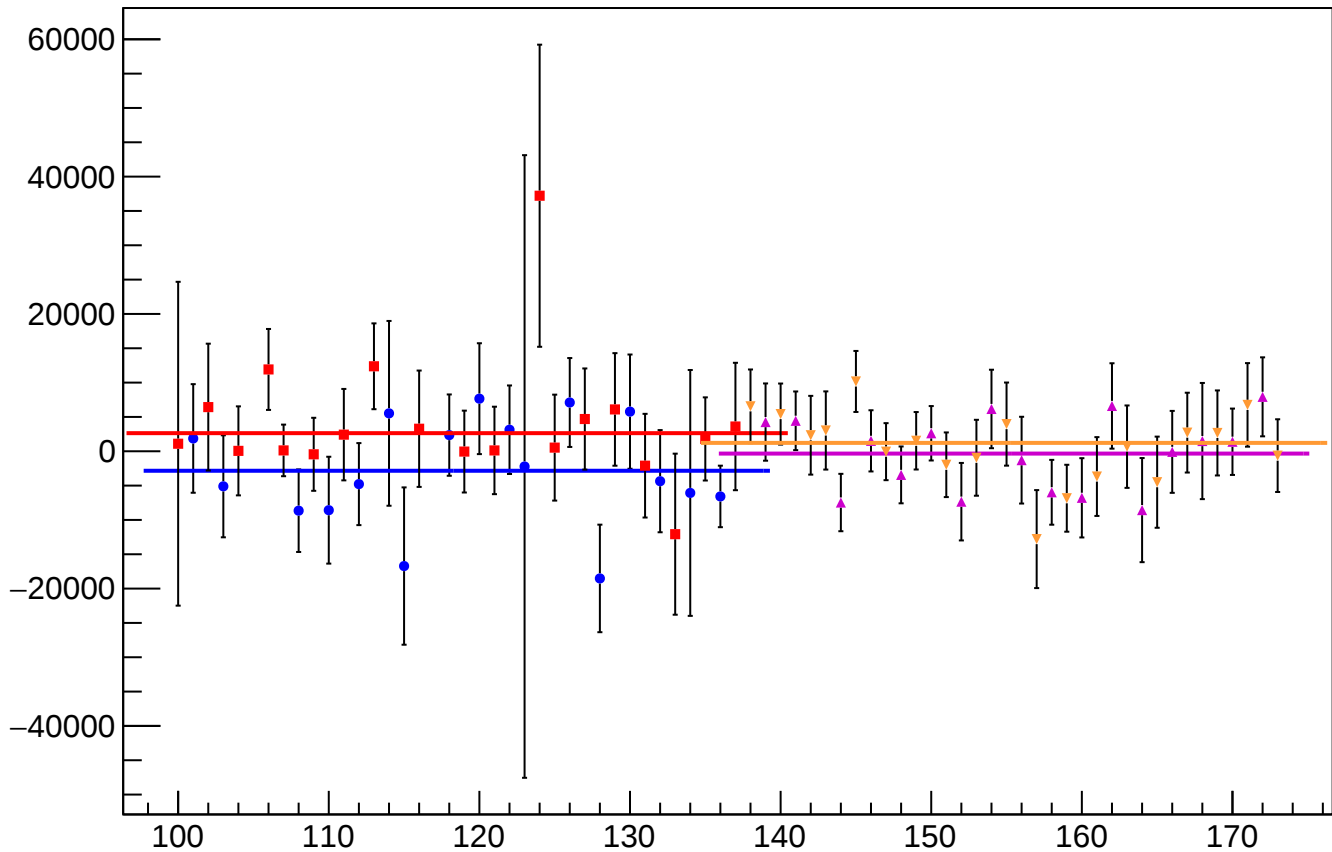
Left In: 4028.168+/-0.802 χ^2/NDF : 1121450.1/16

+ sign 4024.394+/-0.637 χ^2/NDF : 1404112.2/35

All: 1607.238+/-0.270 χ^2/NDF : 46054816.5/7

- sign 1078.122+/-0.298 χ^2/NDF : 27077440.1/35

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 ± 1786.019 χ^2/NDF : 15.4/16

Left Out: 1220.737 ± 1214.070 χ^2/NDF : 16.1/18

Right Out: 2637.071 ± 1575.105 χ^2/NDF : 11.2/18

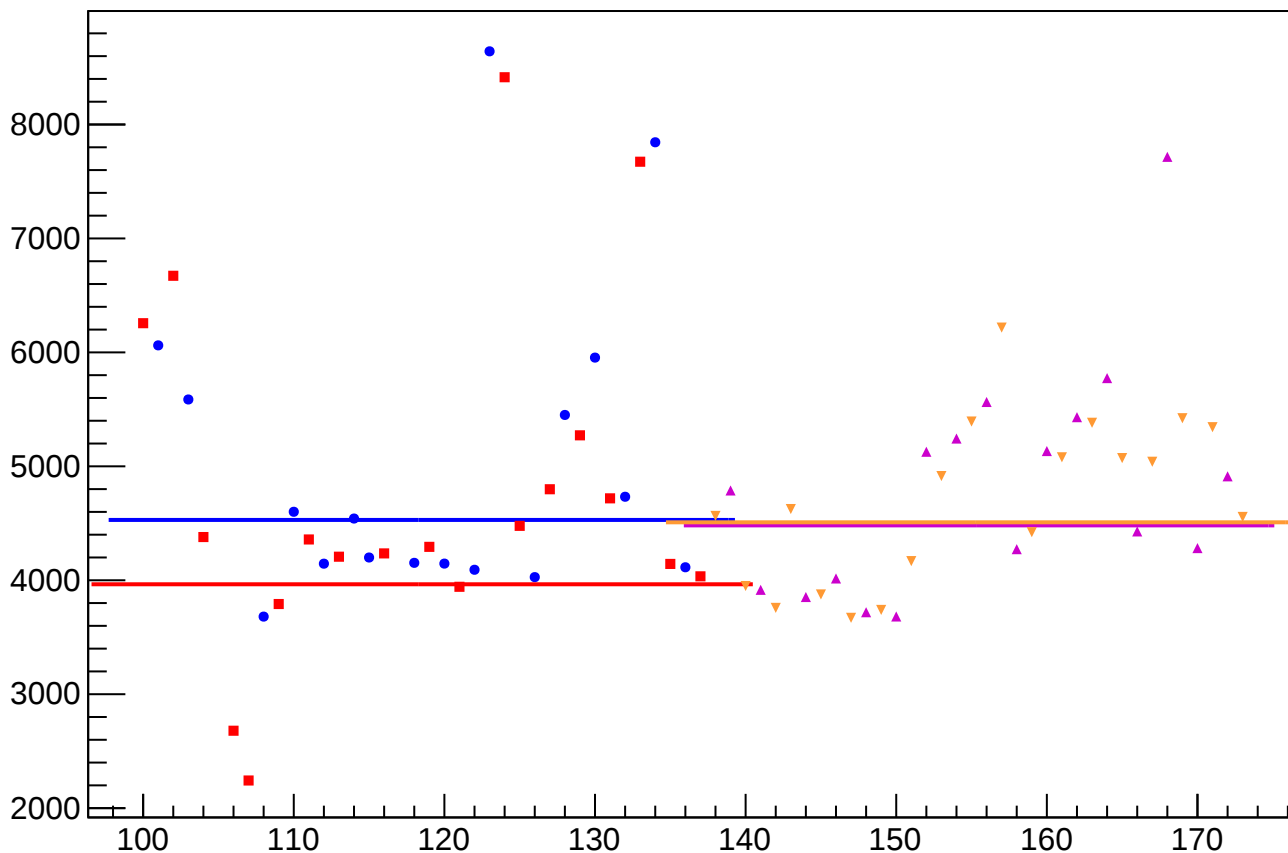
Left In: -337.968 ± 1253.556 χ^2/NDF : 16.3/16

+ sign -62.499 ± 1004.057 χ^2/NDF : 35.1/35

All: 386.859 ± 701.624 χ^2/NDF : 65.1/71

- sign 815.678 ± 980.843 χ^2/NDF : 29.7/35

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4508.651+/-0.858 χ^2/NDF : 610584.0/18

Right Out: 3964.829+/-1.107 χ^2/NDF : 1140409.6/18

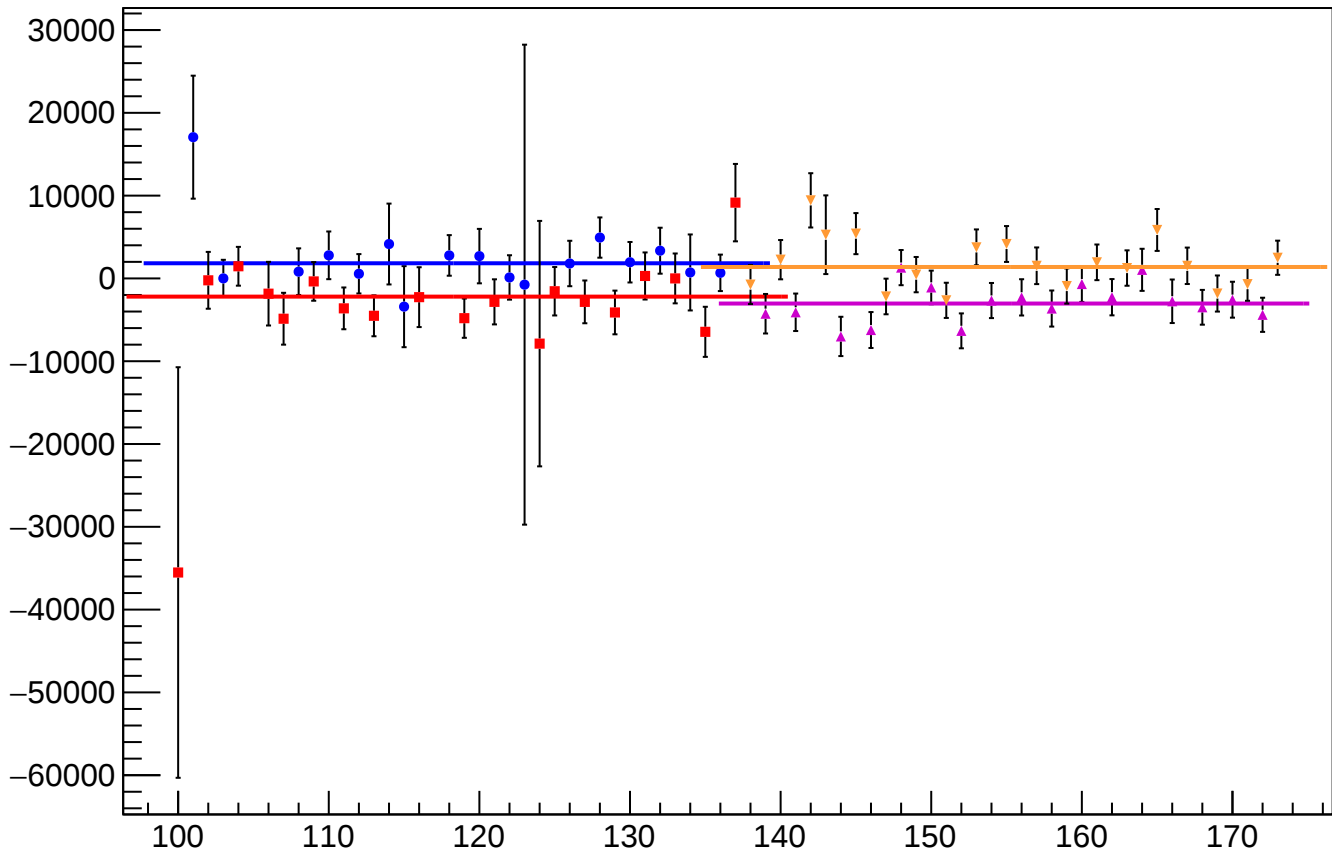
Left In: 4481.729+/-0.886 χ^2/NDF : 819227.7/16

+ sign 4515.228+/-0.710 χ^2/NDF : 1000095.9/35

All: 4394.422+/-0.495 χ^2/NDF : 3149080.6/71

- sign 4279.712+/-0.692 χ^2/NDF : 2092540.5/35

reg_asym_atr1l2_avg_mean vs Slug



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

Left Out: 1380.895 $\pm$ 522.964 χ^2 /NDF:27.5/18

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

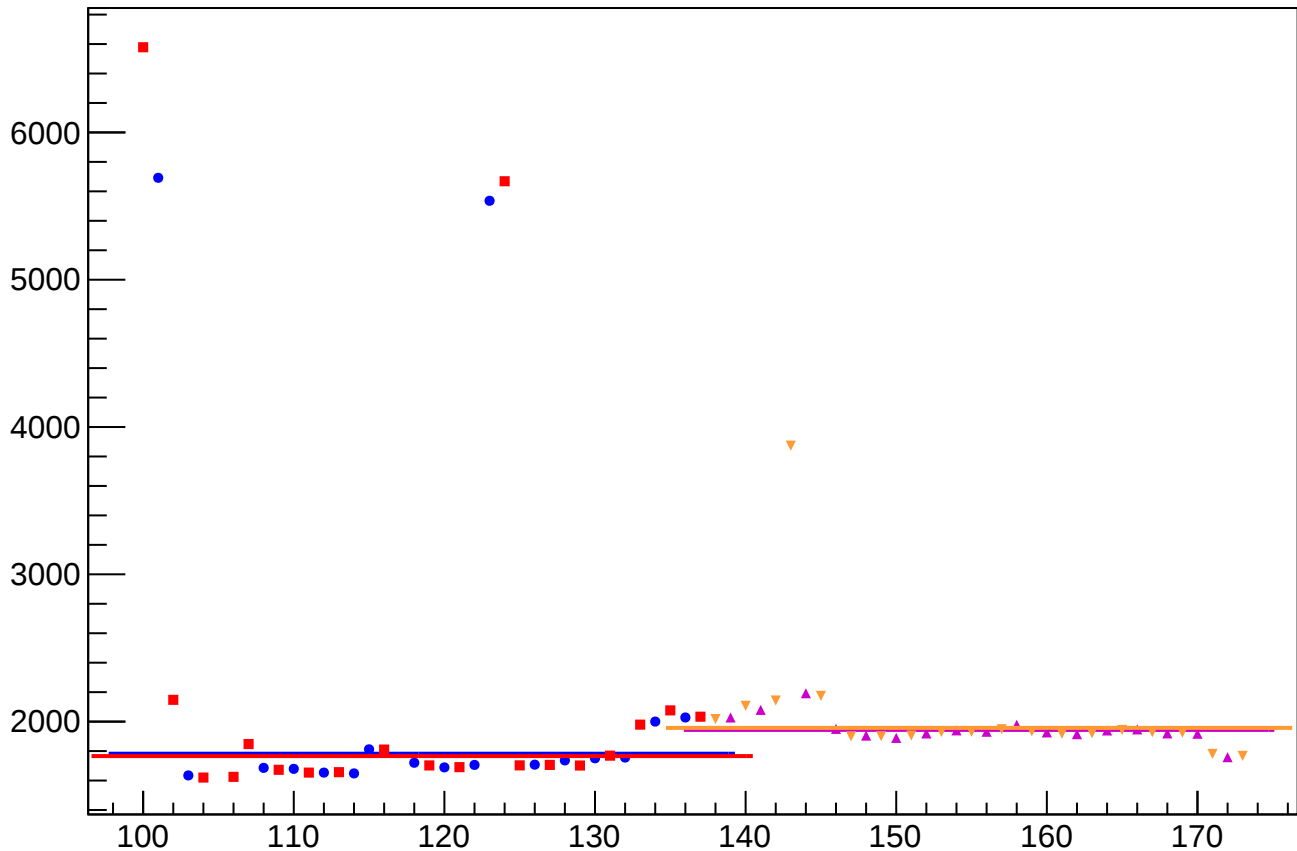
Left In: -3033.381 $\pm$ 535.450 χ^2 /NDF:17.6/16

+ sign 1538.503 $\pm$ 421.348 χ^2 /NDF: 37.5/35

All: -587.156 $\pm$ 298.053 χ^2 /NDF: 125.3/71

- sign -2716.108 $\pm$ 421.674 χ^2 /NDF: 36.9/35

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137 $\pm$ 0.503 χ^2 /NDF: 645188.8/16

Left Out: 1957.427 $\pm$ 0.370 χ^2 /NDF: 395472.4/18

Right Out: 1765.967 $\pm$ 0.480 χ^2 /NDF: 306798.2/18

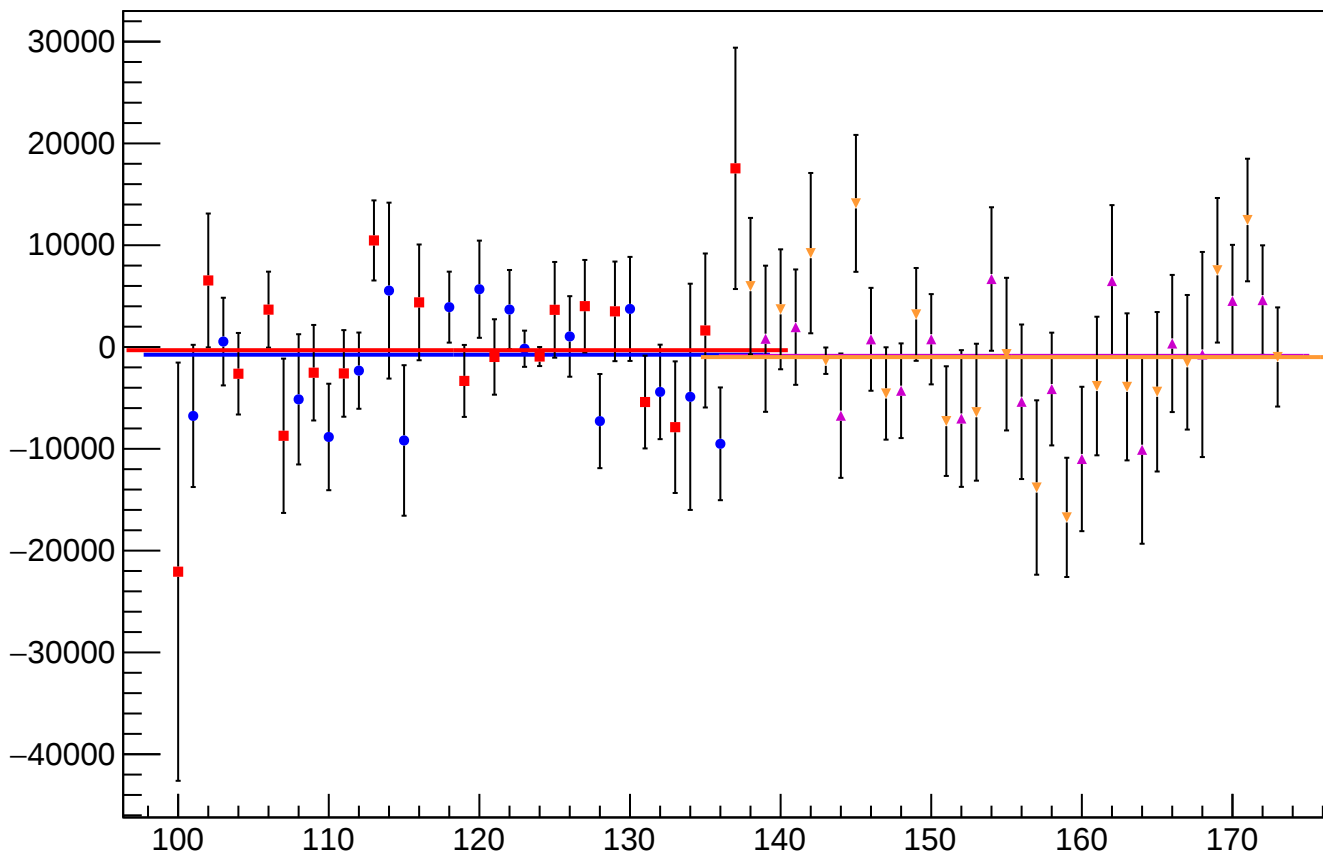
Left In: 1943.693 $\pm$ 0.379 χ^2 /NDF: 51846.1/16

+ sign 1895.925 $\pm$ 0.298 χ^2 /NDF: 1119499.0/35

All: 1885.750 $\pm$ 0.210 χ^2 /NDF: 1564875.9/71

- sign 1875.612 $\pm$ 0.297 χ^2 /NDF: 443048.6/35

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 ± 1008.523 χ^2/NDF : 16.9/16

Left Out: -990.478 ± 968.870 χ^2/NDF : 28.4/18

Right Out: -311.405 ± 725.132 χ^2/NDF : 22.0/18

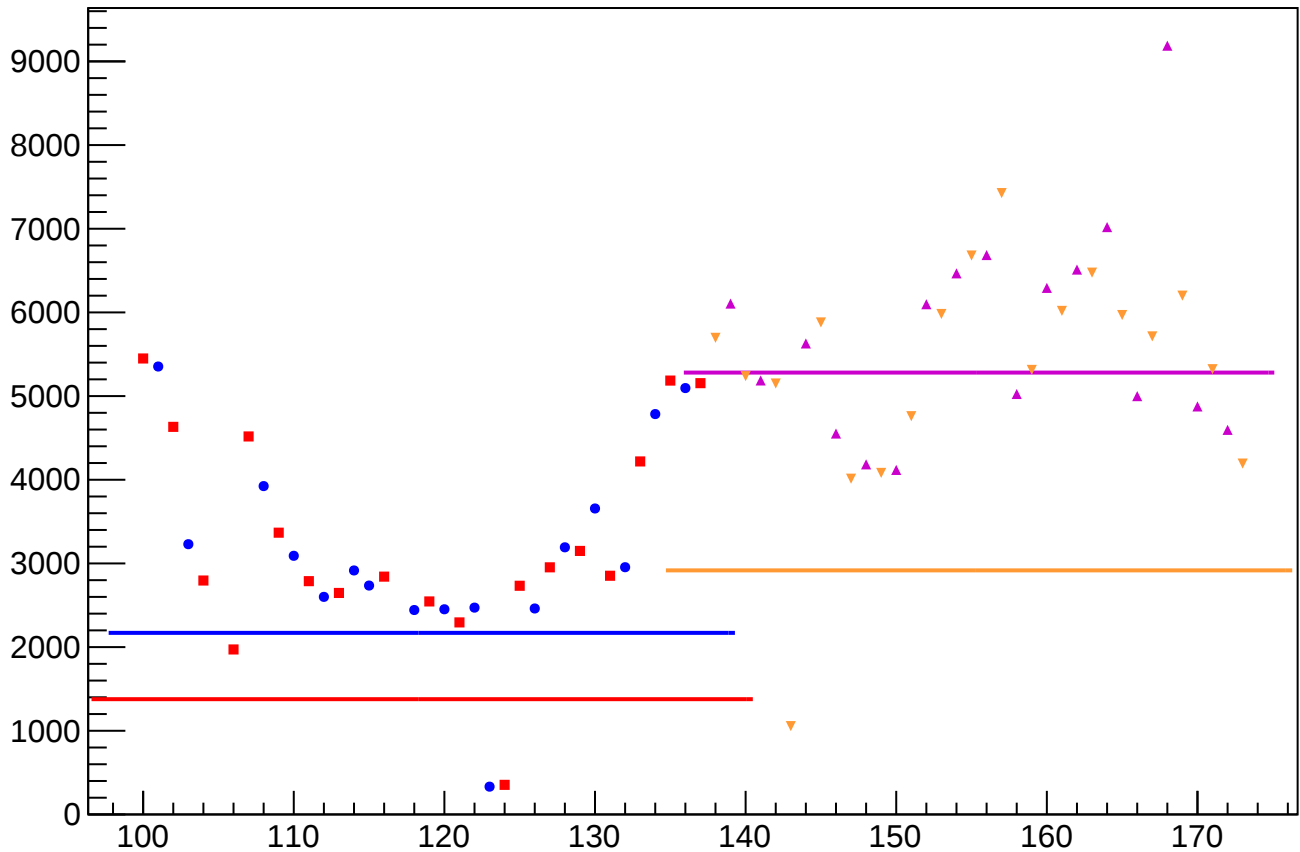
Left In: -867.500 ± 1482.639 χ^2/NDF : 10.7/16

+ sign -876.705 ± 698.692 χ^2/NDF : 45.4/35

All: -631.703 ± 476.451 χ^2/NDF : 78.5/71

- sign -418.747 ± 651.397 χ^2/NDF : 32.9/35

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2916.980+/-0.685 χ^2/NDF : 10045675.3/18

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

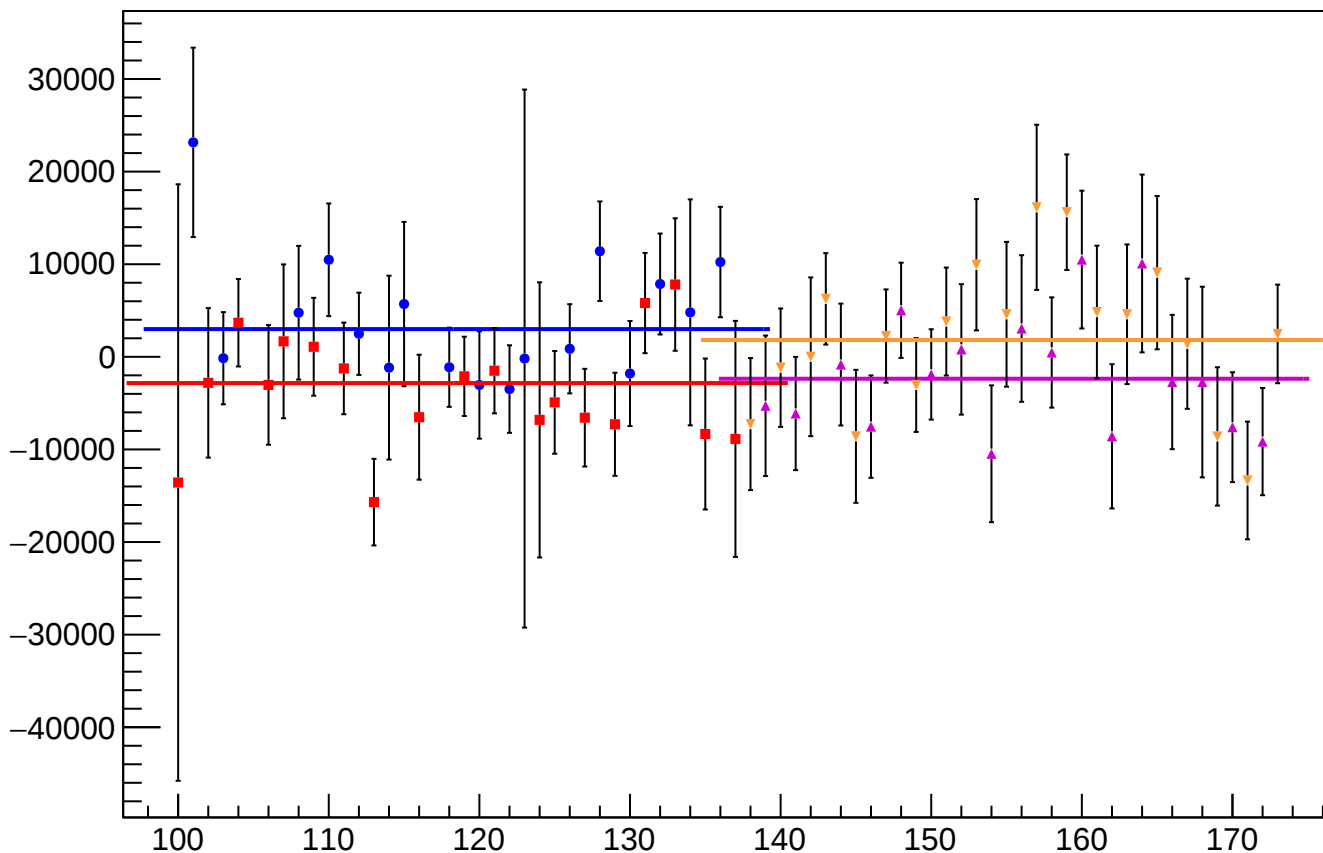
Left In: 5280.849+/-1.048 χ^2/NDF : 996505.8/16

+ sign 2558.580+/-0.494 χ^2/NDF : 14589613.0/35

All: 2329.900+/-0.337 χ^2/NDF : 34019097.1/71

- sign 2131.132+/-0.461 χ^2/NDF : 19029016.1/35

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 1815.007 $\pm$ 1489.950 χ^2 /NDF: 23.5/18

Right Out: -2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

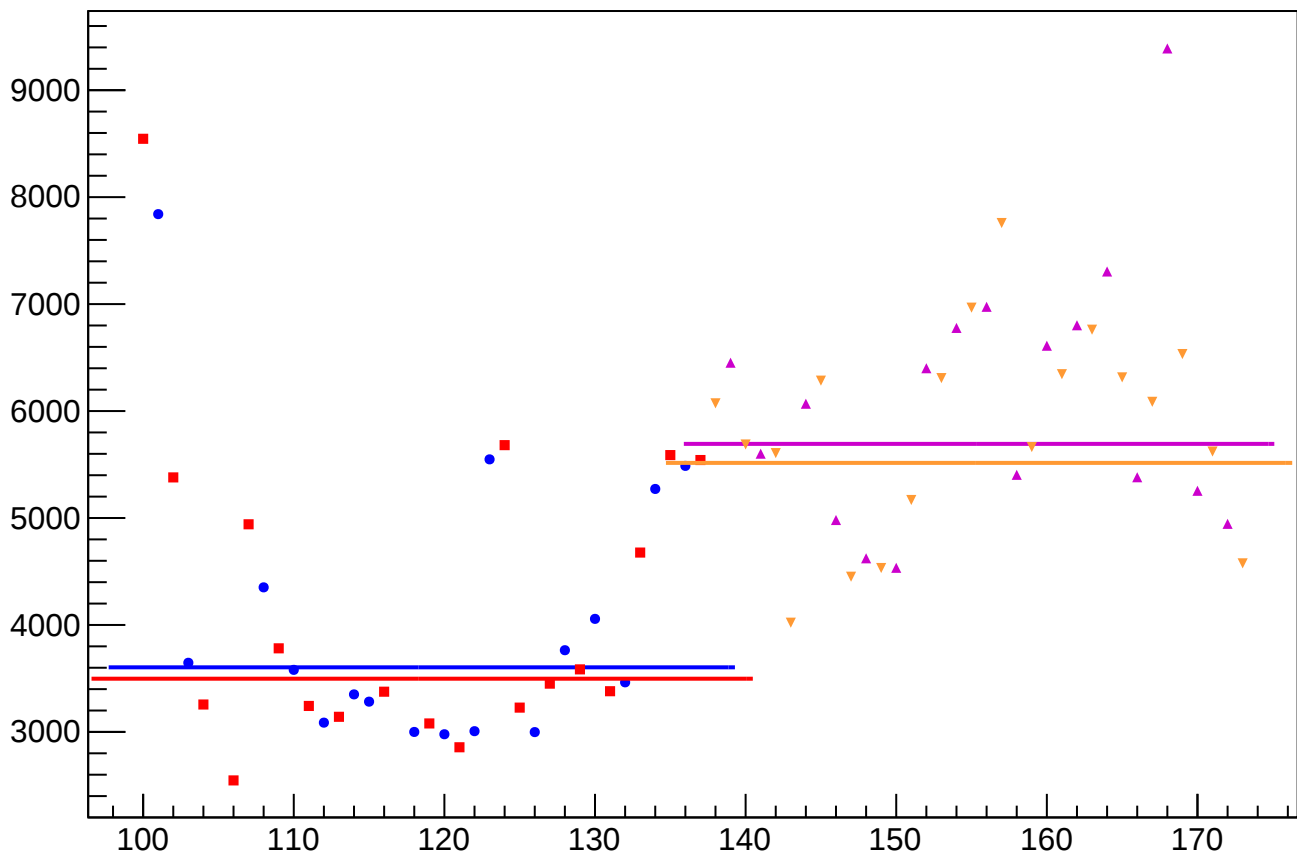
Left In: -2367.145 $\pm$ 1592.254 χ^2 /NDF: 13.1/16

+ sign 2421.042 $\pm$ 1038.113 χ^2 /NDF: 39.5/35

All: -95.716 $\pm$ 735.586 χ^2 /NDF: 82.2/71

- sign -2633.551 $\pm$ 1042.451 χ^2 /NDF: 30.9/35

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 5515.339+/-1.054 χ^2/NDF : 826681.7/18

Right Out: 3497.586+/-0.962 χ^2/NDF : 661898.6/18

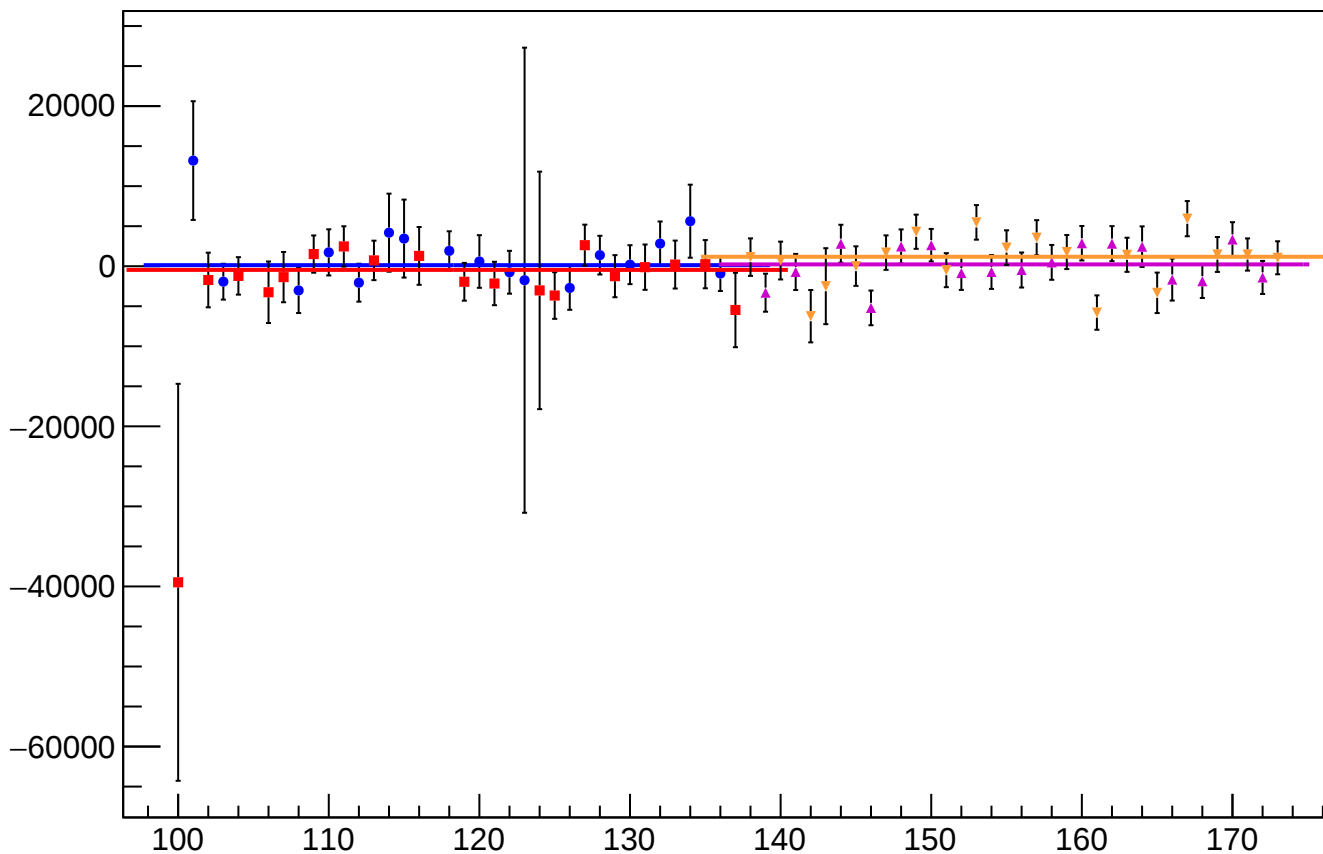
Left In: 5693.082+/-1.126 χ^2/NDF : 812930.9/16

+ sign 4531.821+/-0.734 χ^2/NDF : 3305001.6/35

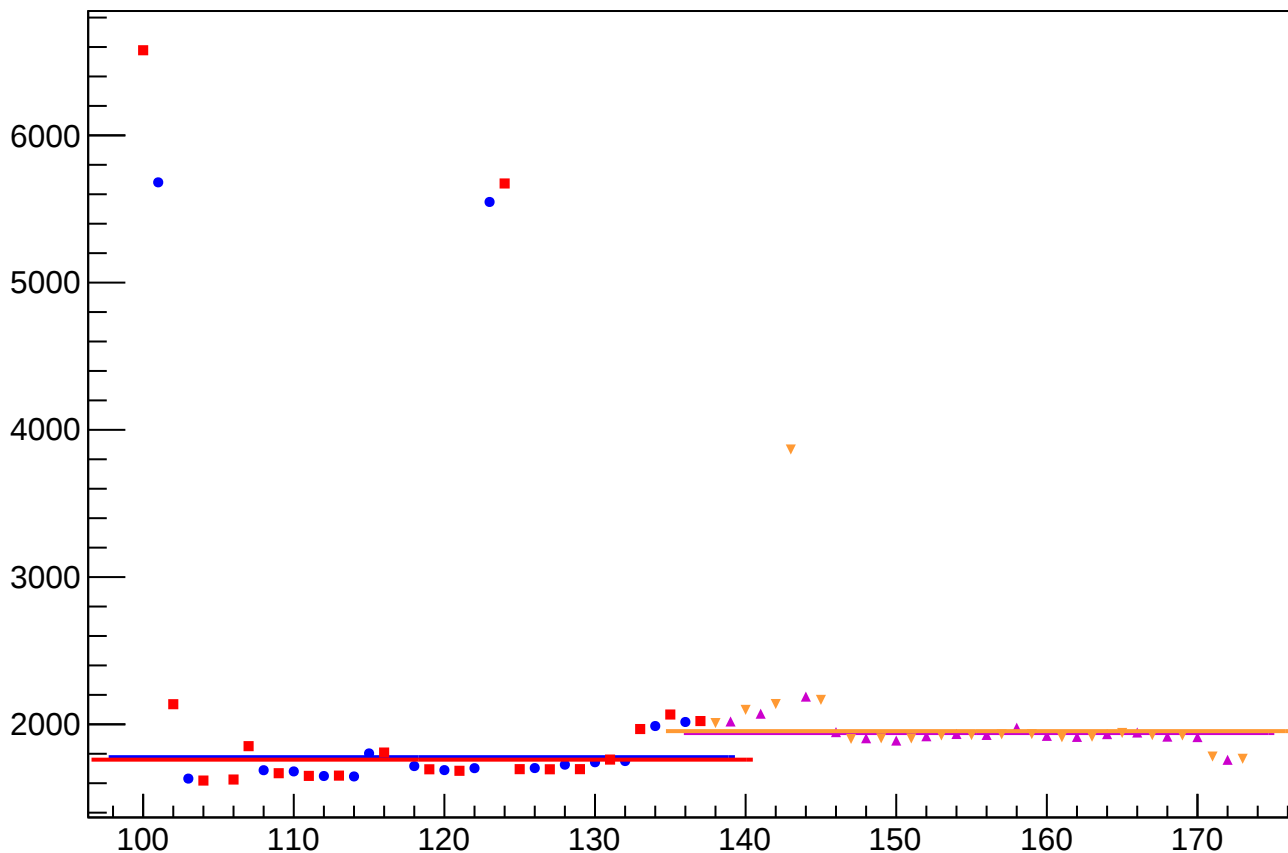
All: 4477.517+/-0.518 χ^2/NDF : 6989372.6/71

- sign 4423.633+/-0.731 χ^2/NDF : 3673467.9/35

reg_asym_atr1l2_dd_mean vs Slug



reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879 ± 0.501 χ^2/NDF : 643576.8/16

Left Out: 1953.760 ± 0.369 χ^2/NDF : 392581.1/18

Right Out: 1759.990 ± 0.479 χ^2/NDF : 306154.6/18

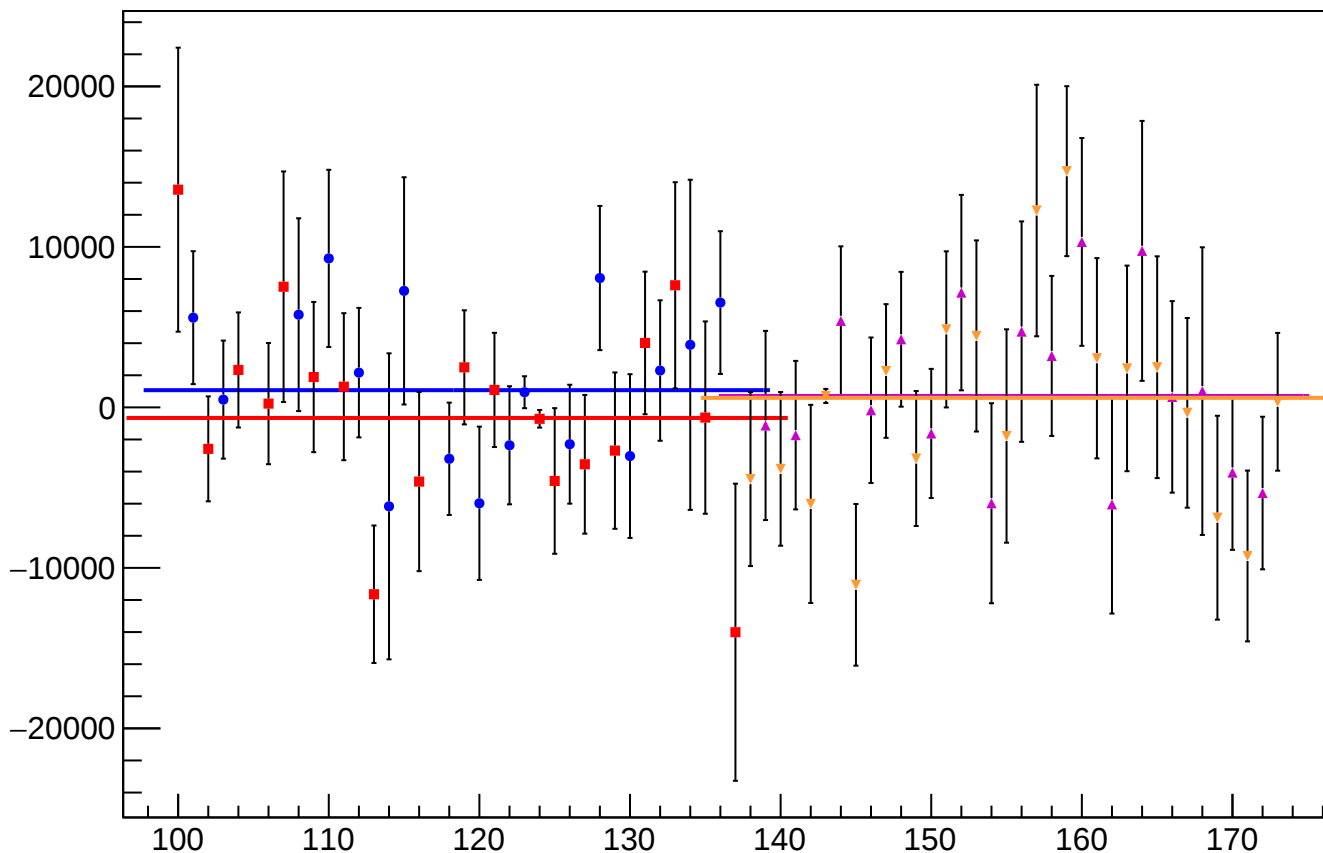
Left In: 1940.671 ± 0.378 χ^2/NDF : 50092.2/16

+ sign 1891.616 ± 0.297 χ^2/NDF : 1116857.4/35

All: 1881.441 ± 0.210 χ^2/NDF : 1563153.5/71

- sign 1871.303 ± 0.297 χ^2/NDF : 443956.8/35

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 594.332+/-414.951 χ^2/NDF : 25.1/18

Right Out: -658.759+/-488.034 χ^2/NDF : 19.8/18

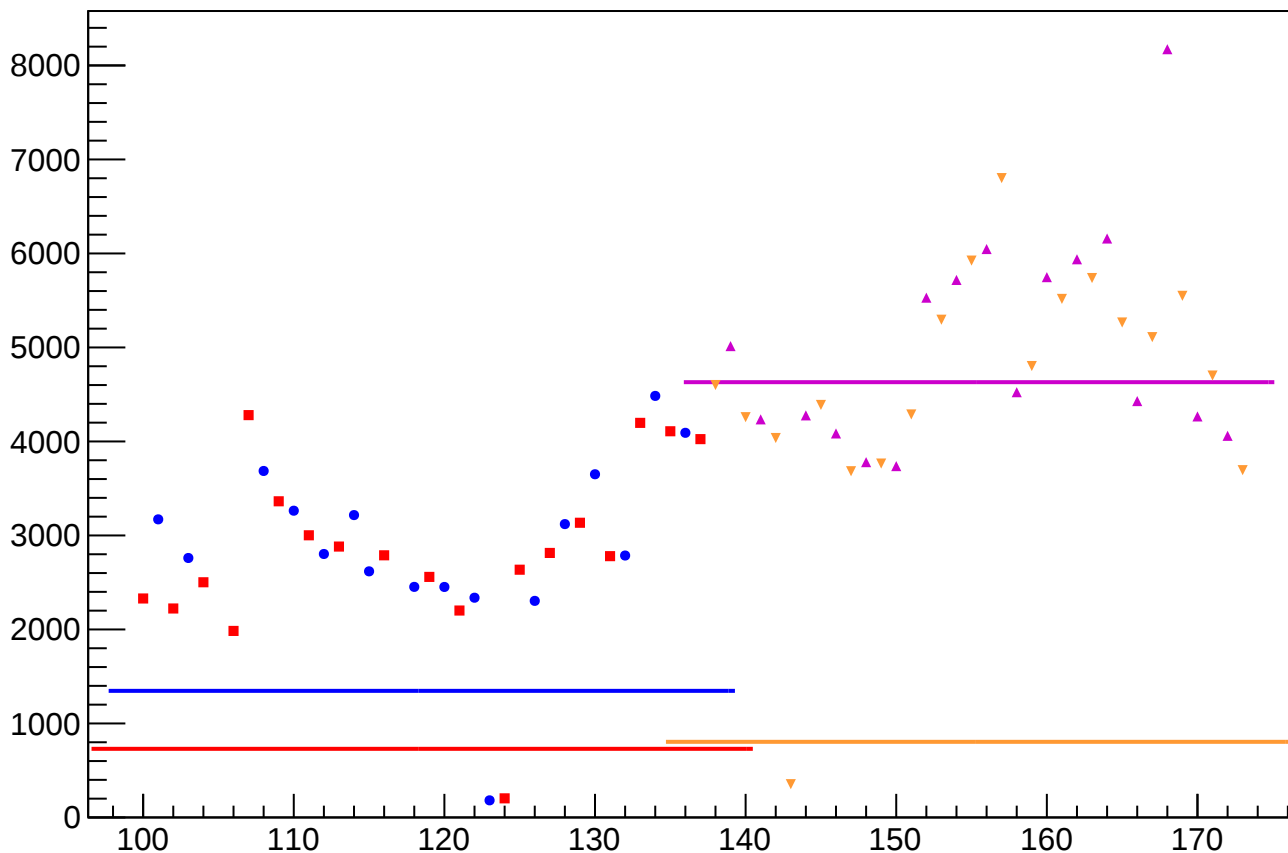
Left In: 709.713+/-1299.957 χ^2/NDF : 12.4/16

+ sign 705.806+/-363.342 χ^2/NDF : 40.9/35

All: 242.655+/-284.382 χ^2/NDF : 78.3/71

- sign -489.709+/-456.897 χ^2/NDF : 33.1/35

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 804.609+/-0.293 χ^2/NDF : 20616357.2/18

Right Out: 730.119+/-0.345 χ^2/NDF : 9503127.2/18

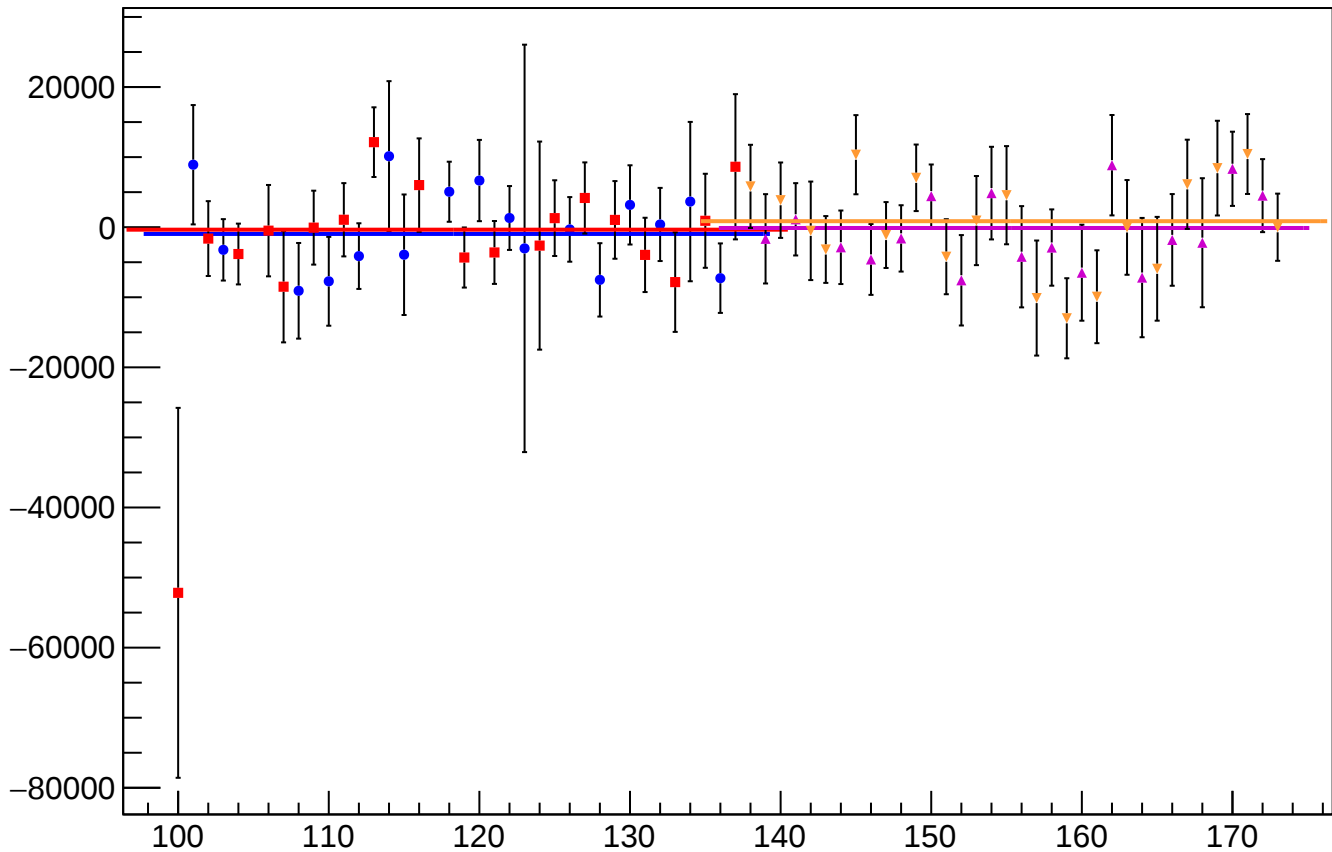
Left In: 4630.598+/-0.919 χ^2/NDF : 994443.1/16

+ sign 931.098+/-0.257 χ^2/NDF : 28252127.1/35

All: 1039.903+/-0.201 χ^2/NDF : 54993976.4/7

- sign 1211.952+/-0.323 χ^2/NDF : 26278909.4/35

asym_atr1l2_dd_mean vs Slug



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 856.366 ± 1339.538 χ^2/NDF : 23.6/18

Right Out: -354.646 ± 1329.760 χ^2/NDF : 17.6/18

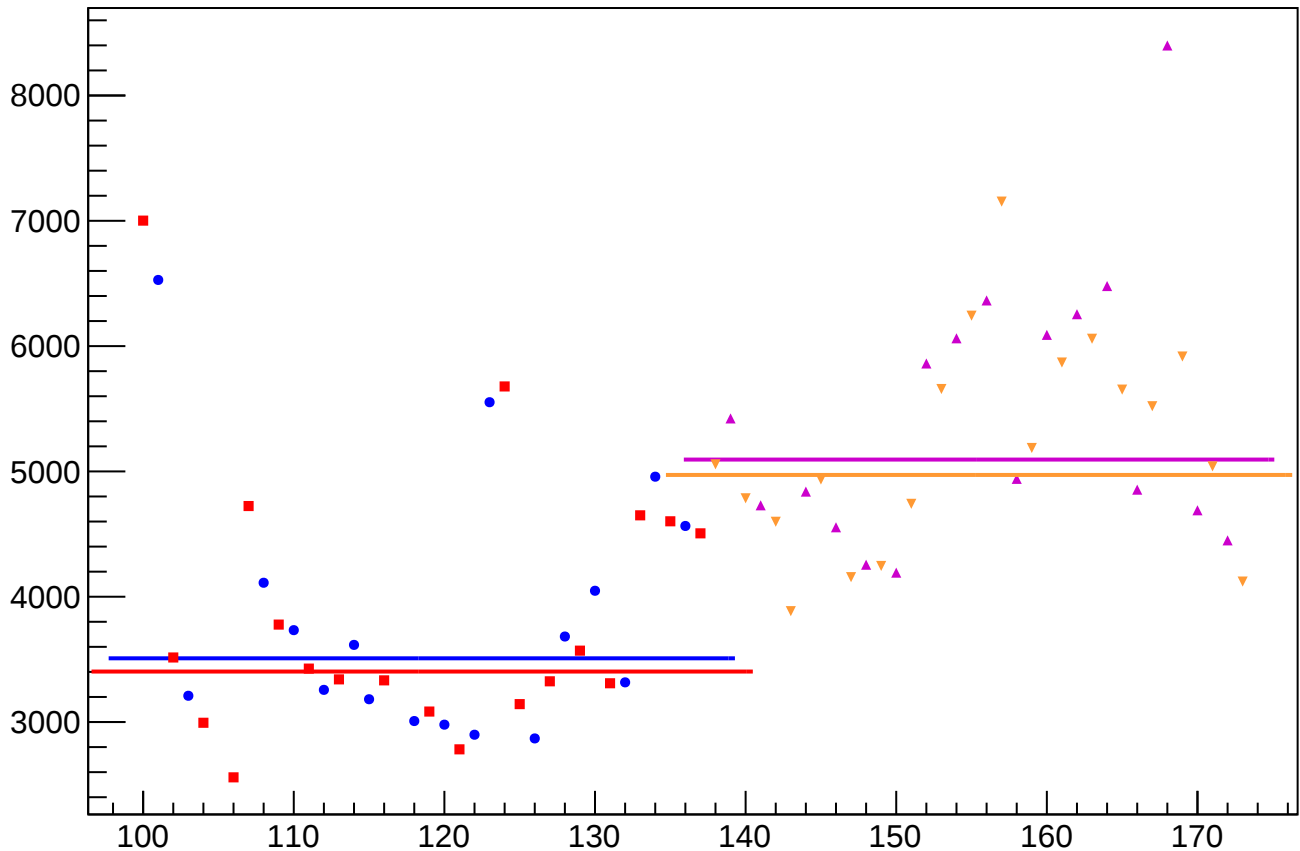
Left In: -114.524 ± 1423.528 χ^2/NDF : 11.4/16

+ sign -16.576 ± 966.417 χ^2/NDF : 38.2/35

All: -129.043 ± 685.235 χ^2/NDF : 67.2/71

- sign -242.753 ± 971.742 χ^2/NDF : 29.0/35

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2 /NDF: 562197.7/16

Left Out: 4971.872+/-0.947 χ^2 /NDF: 678971.4/18

Right Out: 3402.883+/-0.928 χ^2 /NDF: 428556.1/18

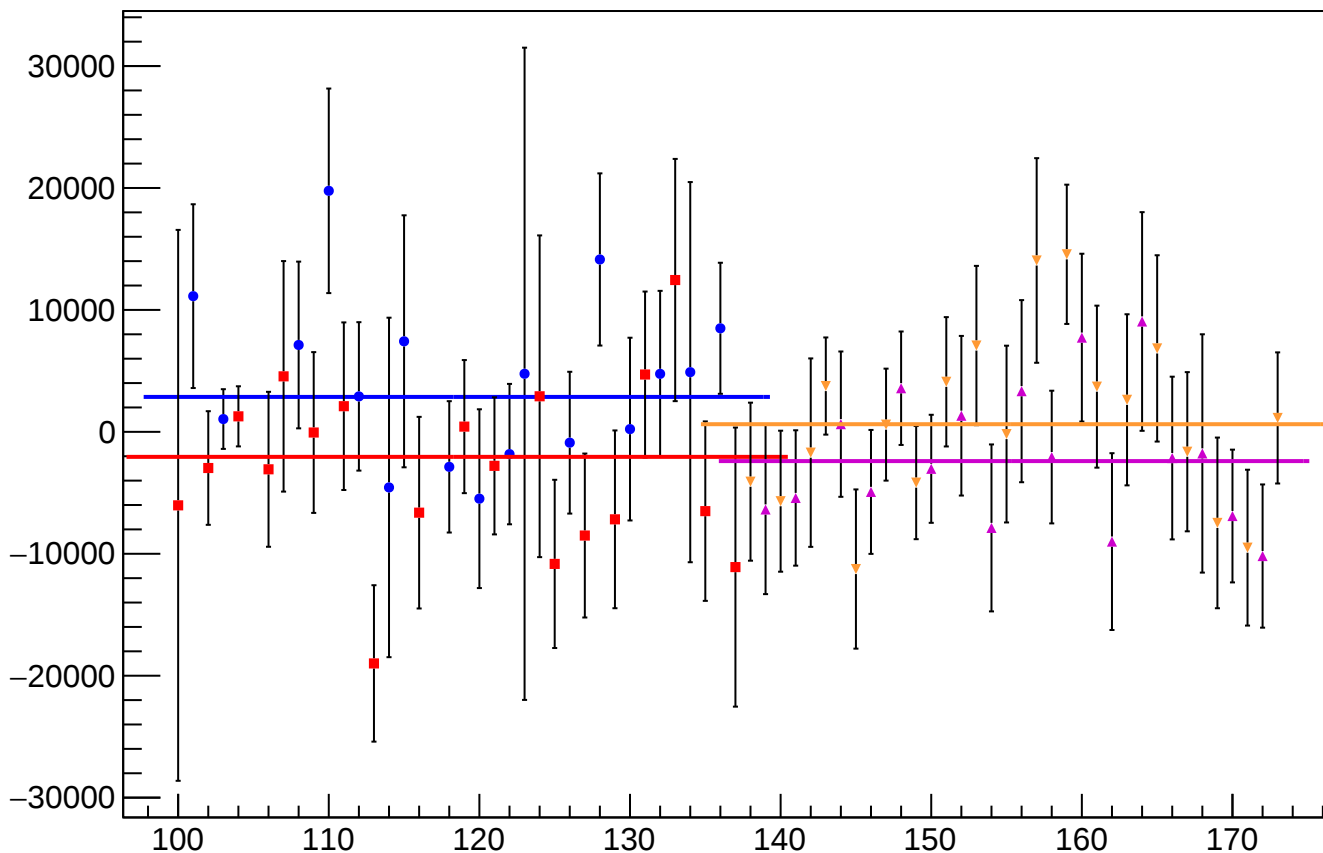
Left In: 5094.562+/-1.007 χ^2 /NDF: 770489.2/16

+ sign 4270.169+/-0.683 χ^2 /NDF: 2385714.5/35

All: 4225.126+/-0.483 χ^2 /NDF: 5120036.6/71

- sign 4180.218+/-0.682 χ^2 /NDF: 2725645.7/35

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: 627.202 $\pm$ 1364.958 χ^2 /NDF:21.7/18

Right Out: -2051.211 $\pm$ 1381.577 χ^2 /NDF: 17.7/18

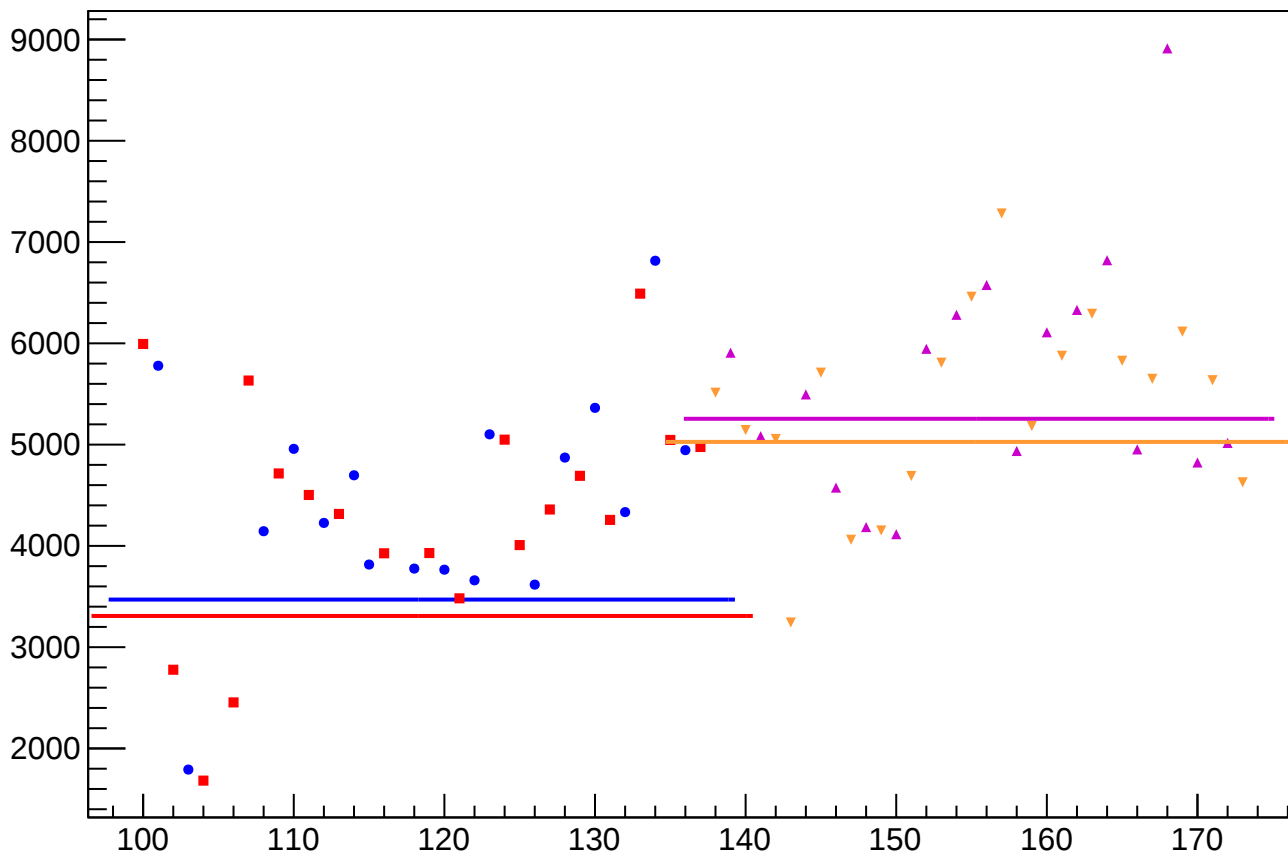
Left In: -2398.540 $\pm$ 1471.492 χ^2 /NDF:11.4/16

+ sign 1676.409 $\pm$ 994.731 χ^2 /NDF: 37.0/35

All: -244.516 $\pm$ 707.752 χ^2 /NDF: 73.7/71

- sign -2213.940 $\pm$ 1007.210 χ^2 /NDF: 29.1/35

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5026.714 $\pm$ 0.965 χ^2 /NDF: 1070617.5/18

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

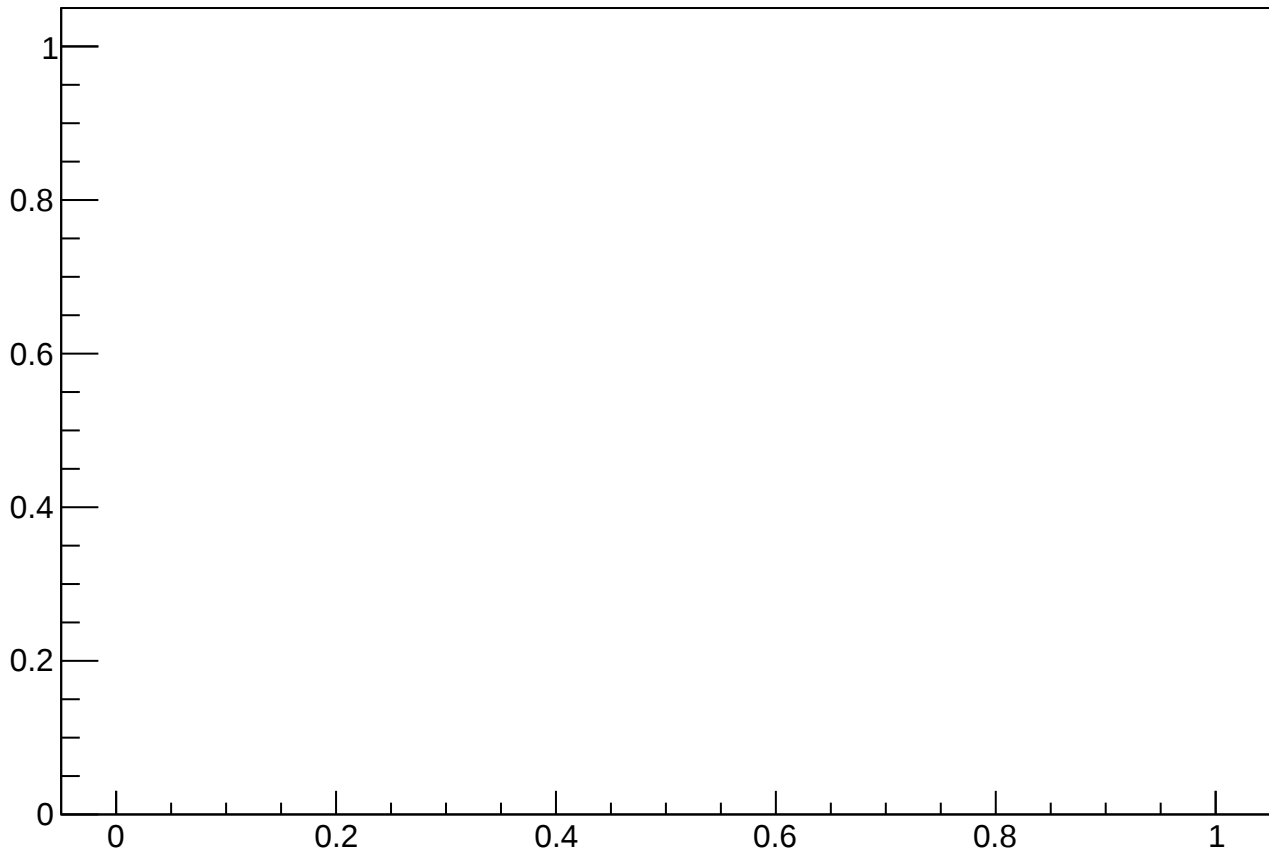
Left In: 5254.962 $\pm$ 1.041 χ^2 /NDF: 868949.4/16

+ sign 4296.764 $\pm$ 0.703 χ^2 /NDF: 4051256.8/35

All: 4254.415 $\pm$ 0.499 χ^2 /NDF: 8714702.5/71

- sign 4211.419 $\pm$ 0.709 χ^2 /NDF: 4656140.1/35

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

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

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

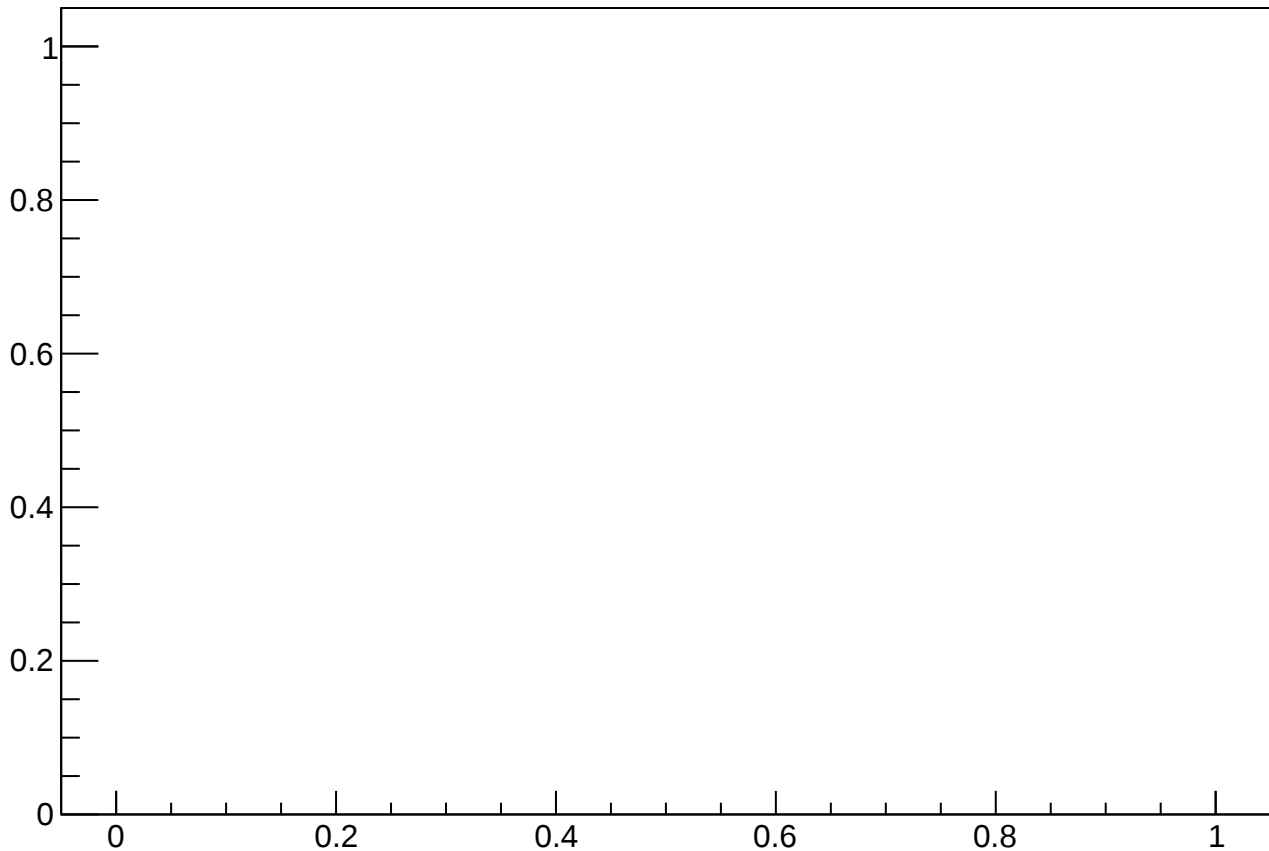
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



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

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

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

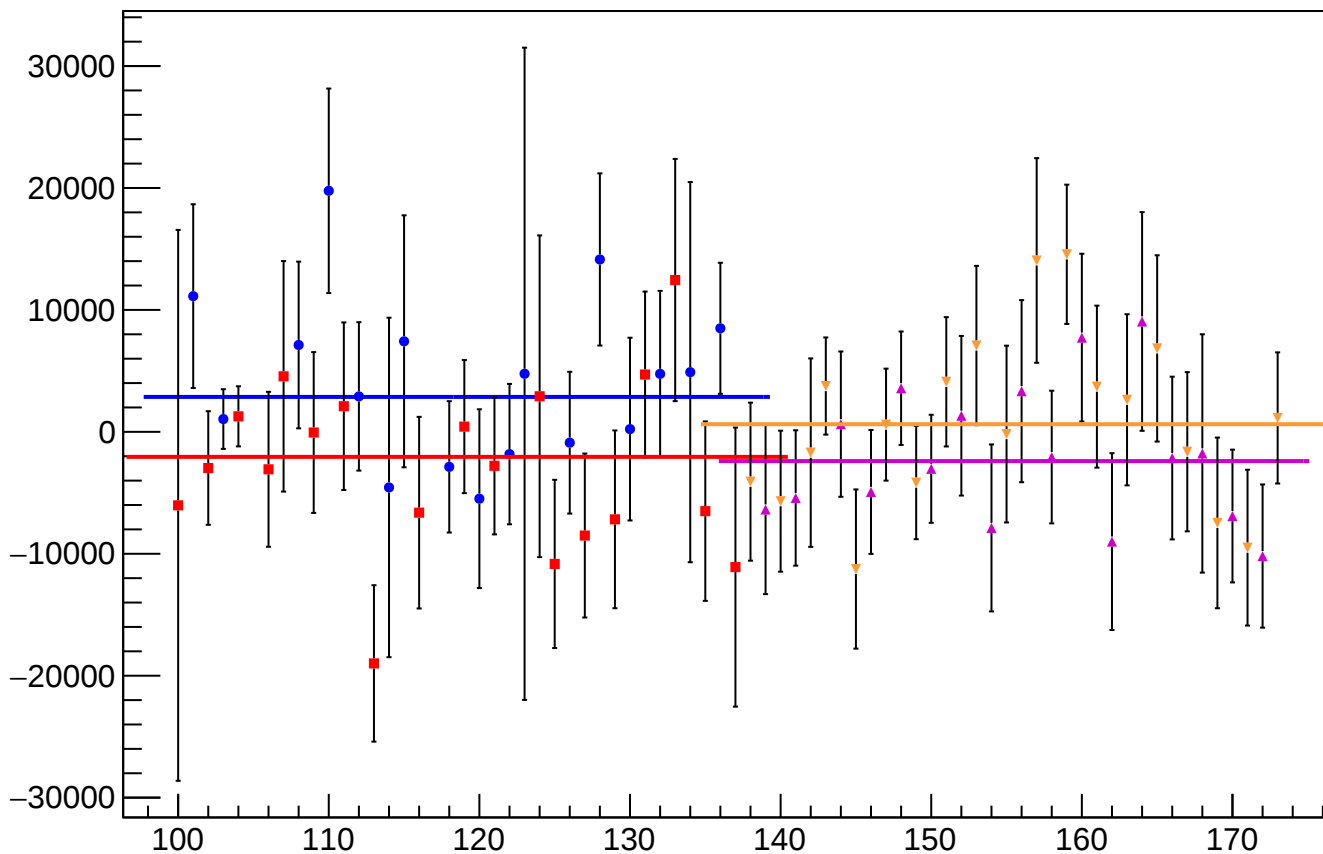
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: 627.202 $\pm$ 1364.958 χ^2 /NDF:21.7/18

Right Out: -2051.211 $\pm$ 1381.577 χ^2 /NDF: 17.7/18

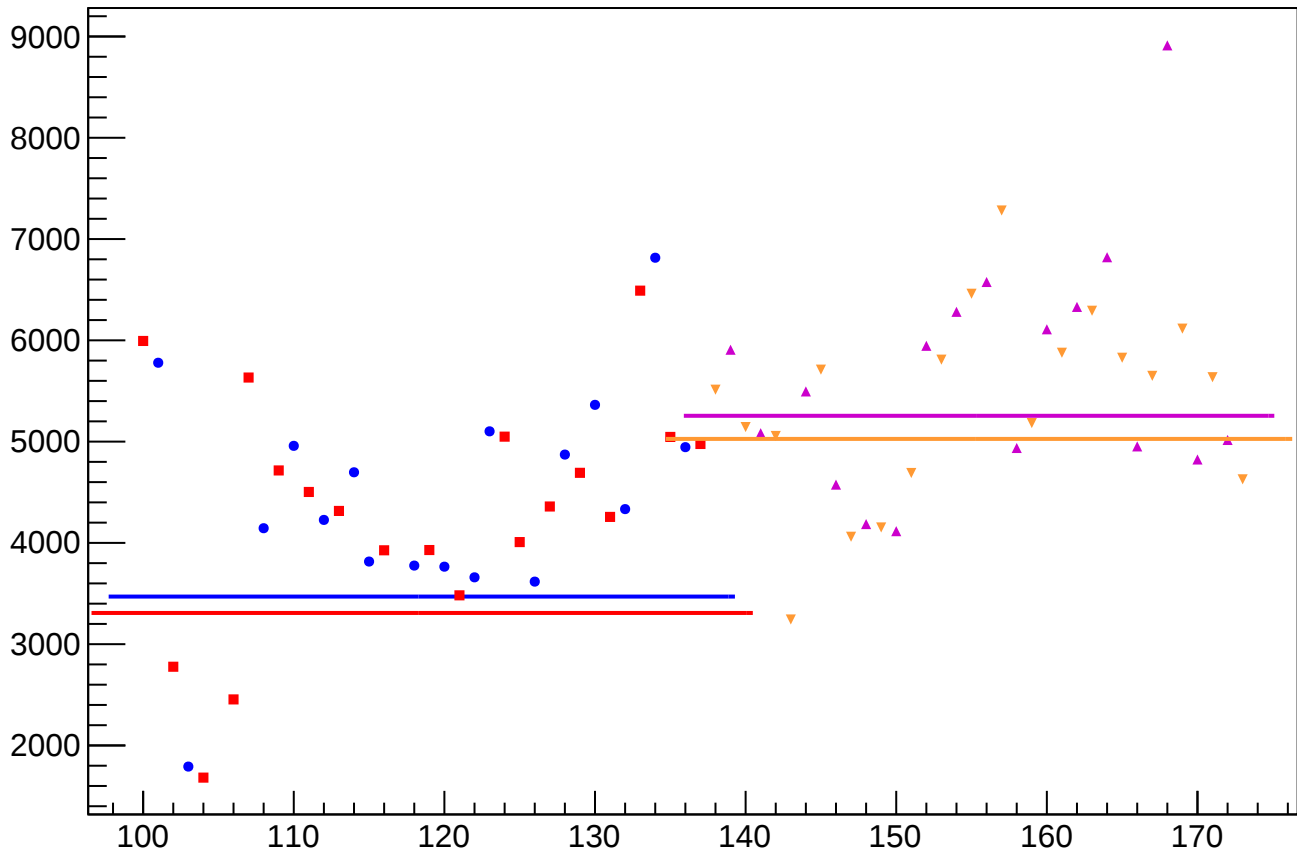
Left In: -2398.540 $\pm$ 1471.492 χ^2 /NDF:11.4/16

+ sign 1676.409 $\pm$ 994.731 χ^2 /NDF: 37.0/35

All: -244.516 $\pm$ 707.752 χ^2 /NDF: 73.7/71

- sign -2213.940 $\pm$ 1007.210 χ^2 /NDF: 29.1/35

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 ± 1.027 χ^2/NDF : 1760860.6/16

Left Out: 5026.714 ± 0.965 χ^2/NDF : 1070617.5/18

Right Out: 3308.243 ± 0.968 χ^2/NDF : 1910782.0/18

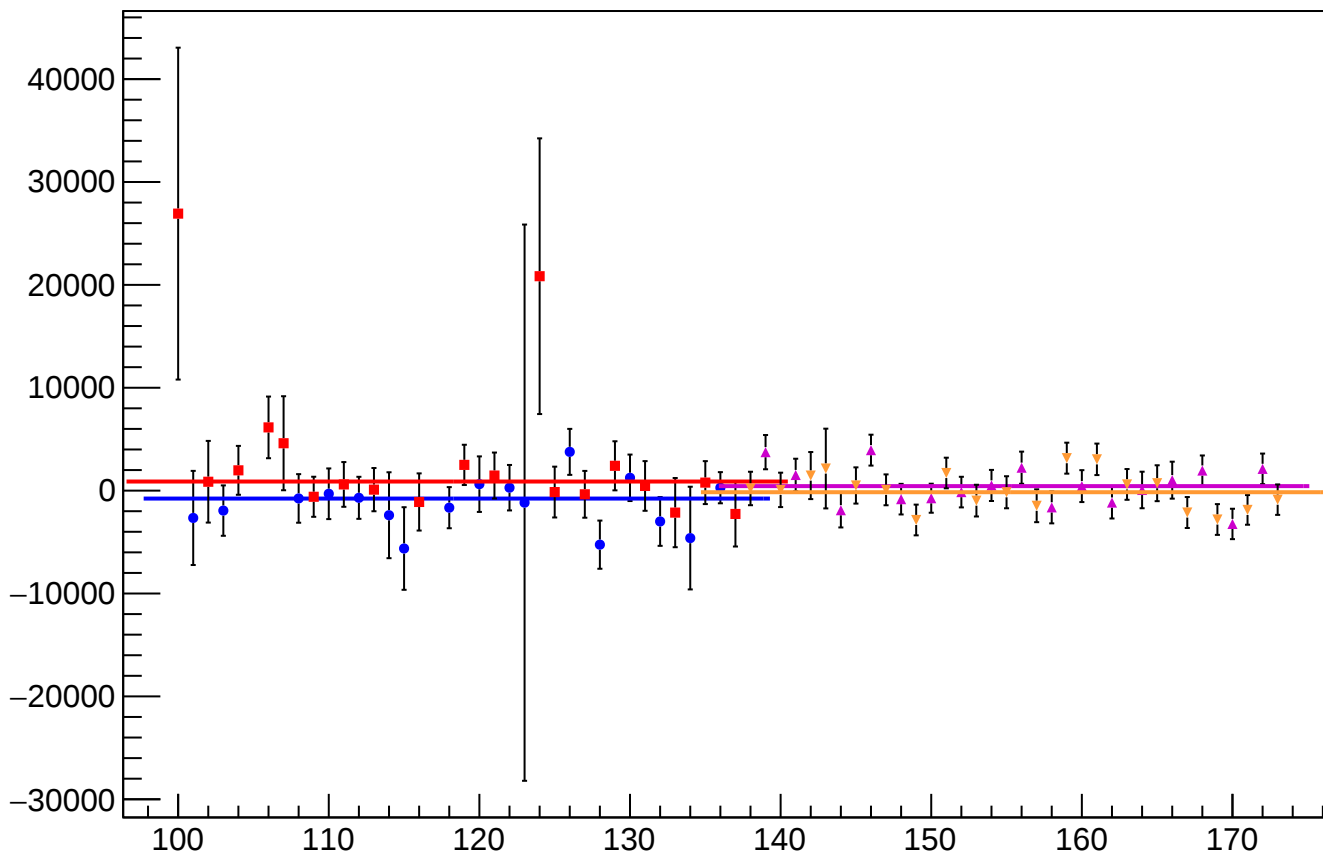
Left In: 5254.962 ± 1.041 χ^2/NDF : 868949.4/16

+ sign 4296.764 ± 0.703 χ^2/NDF : 4051256.8/35

All: 4254.415 ± 0.499 χ^2/NDF : 8714702.5/71

- sign 4211.419 ± 0.709 χ^2/NDF : 4656140.1/35

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -153.371+/-368.704 χ^2/NDF : 23.1/18

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

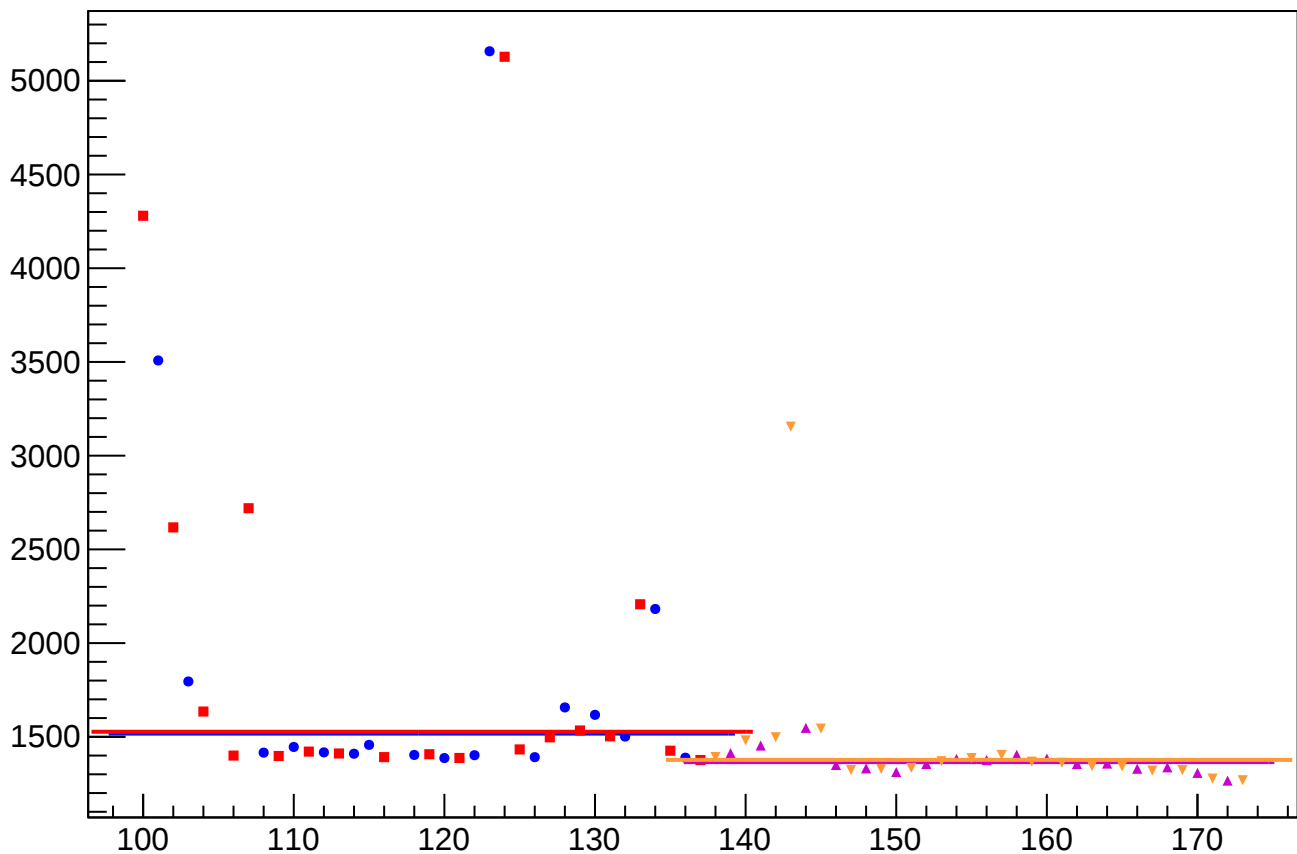
Left In: 438.779+/-376.286 χ^2/NDF : 26.2/16

+ sign -321.208+/-314.659 χ^2/NDF : 37.2/35

All: 117.804+/-223.681 χ^2/NDF : 81.2/71

- sign 566.284+/-318.034 χ^2/NDF : 40.1/35

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1377.017+/-0.261 χ^2/NDF : 487309.2/18

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

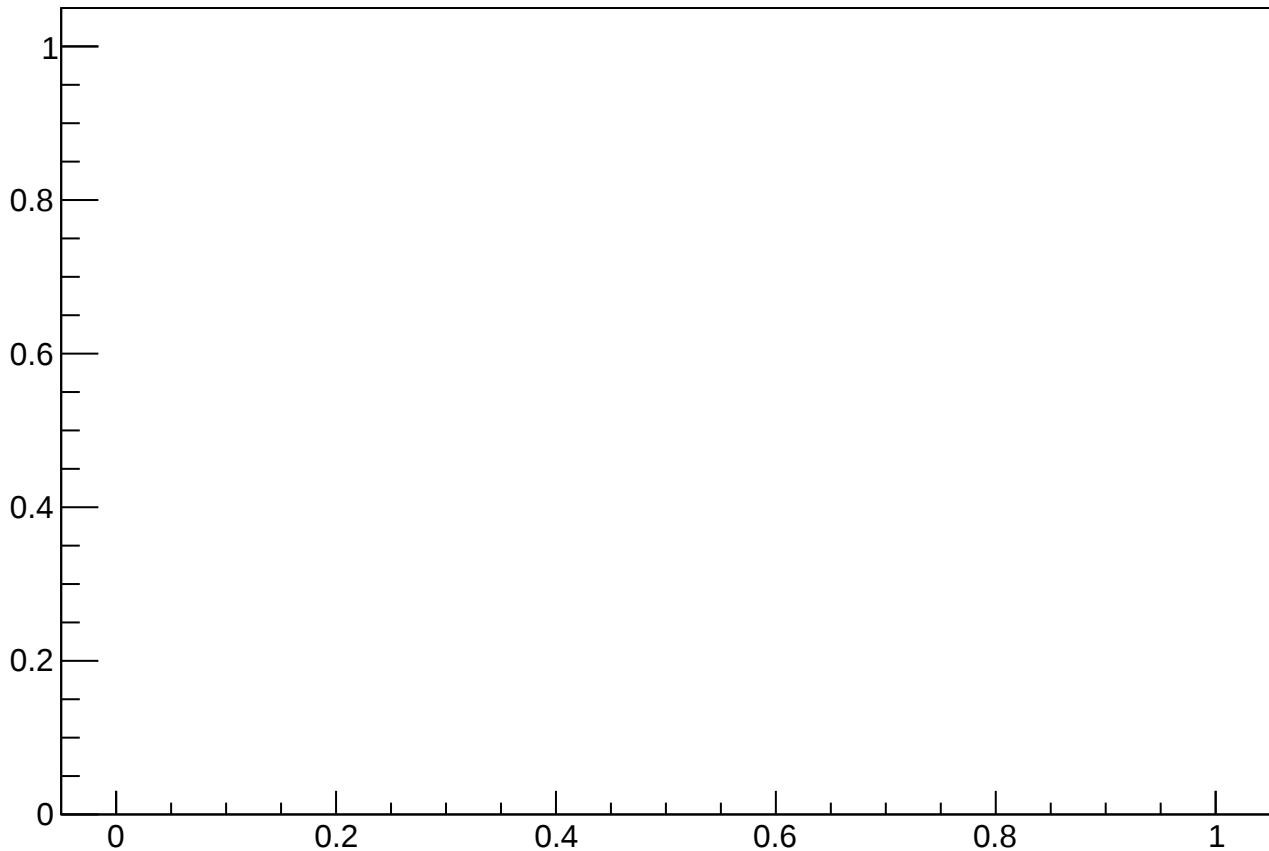
Left In: 1365.039+/-0.266 χ^2/NDF : 51118.4/16

+ sign 1415.138+/-0.222 χ^2/NDF : 1102667.1/35

All: 1413.242+/-0.158 χ^2/NDF : 1891463.7/71

- sign 1411.306+/-0.225 χ^2/NDF : 788649.8/35

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



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

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

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

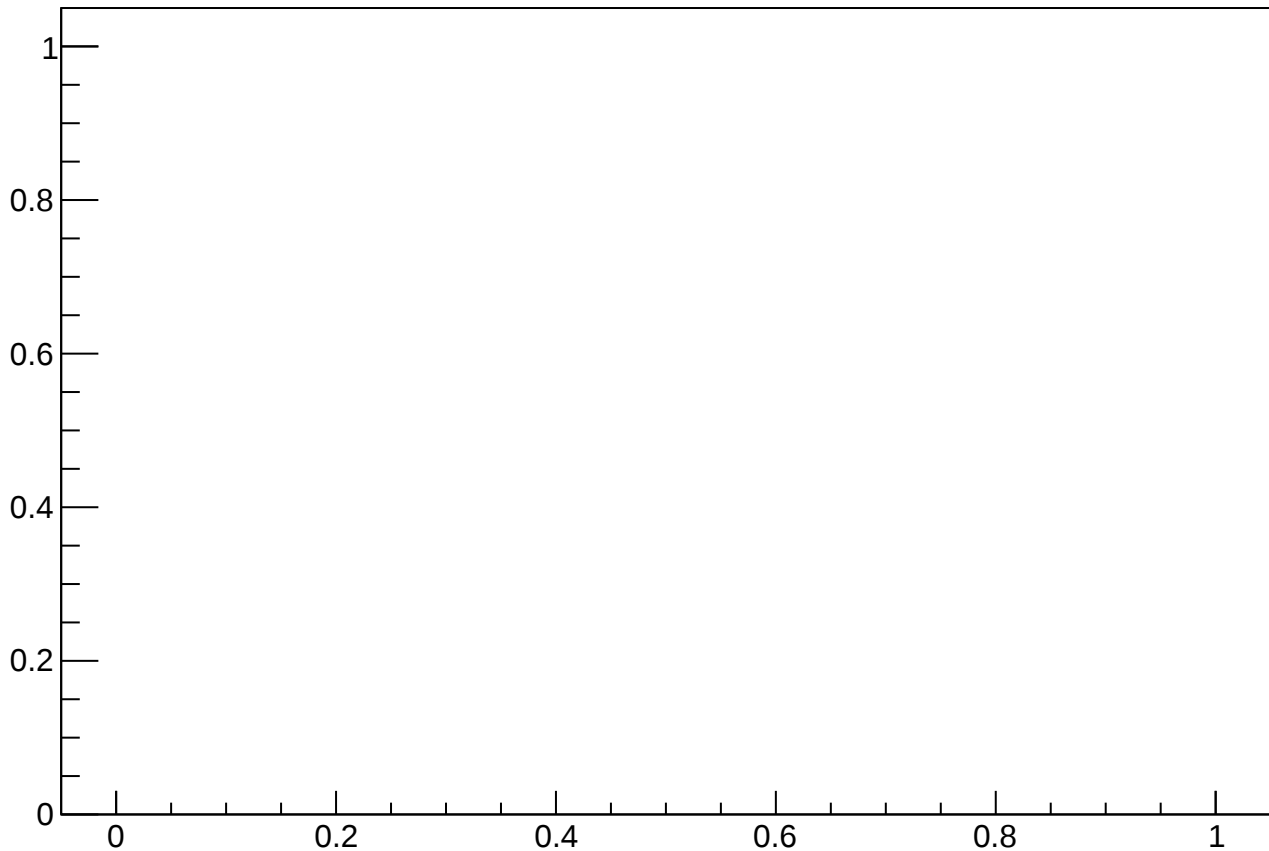
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



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

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

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

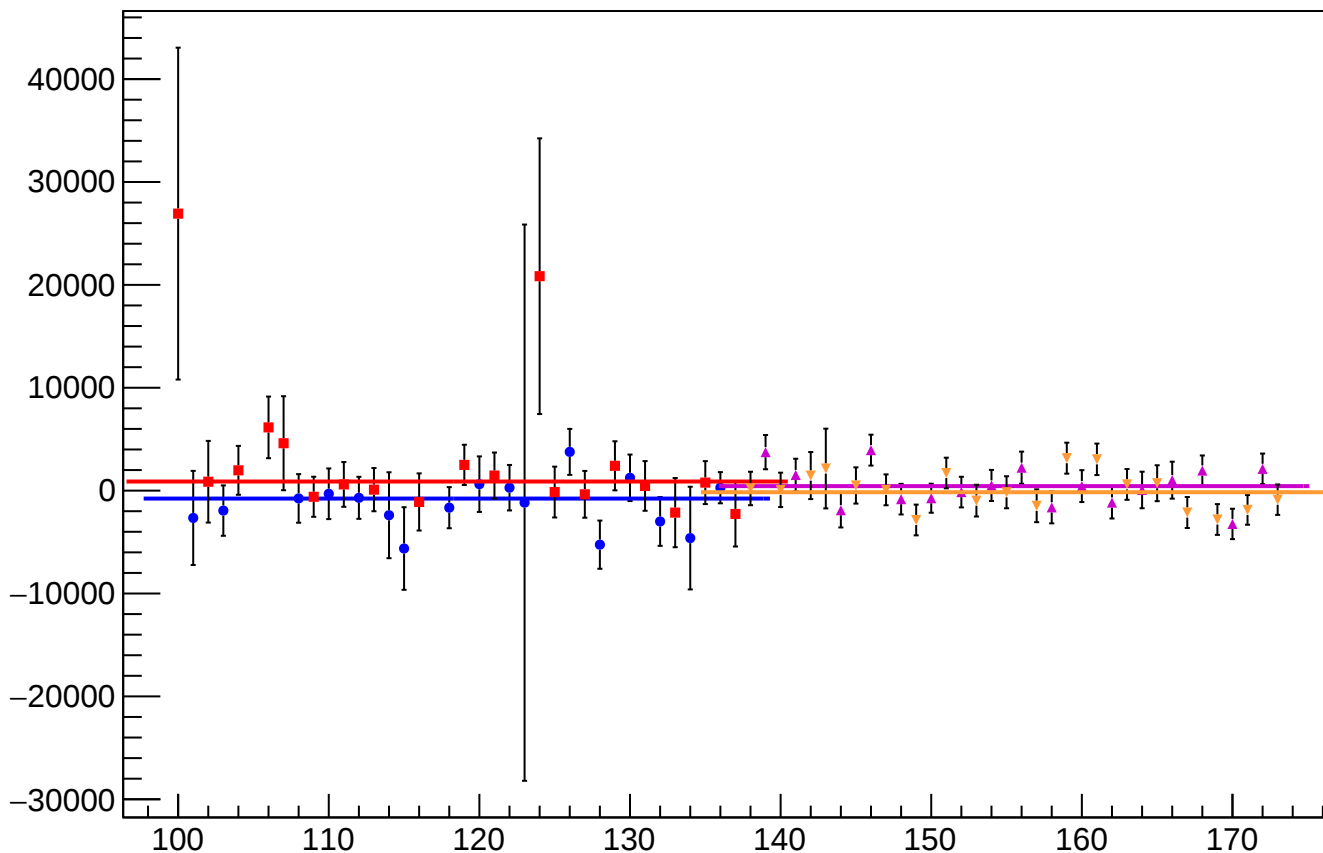
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug



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Left Out: -153.371+/-368.704 χ^2/NDF : 23.1/18

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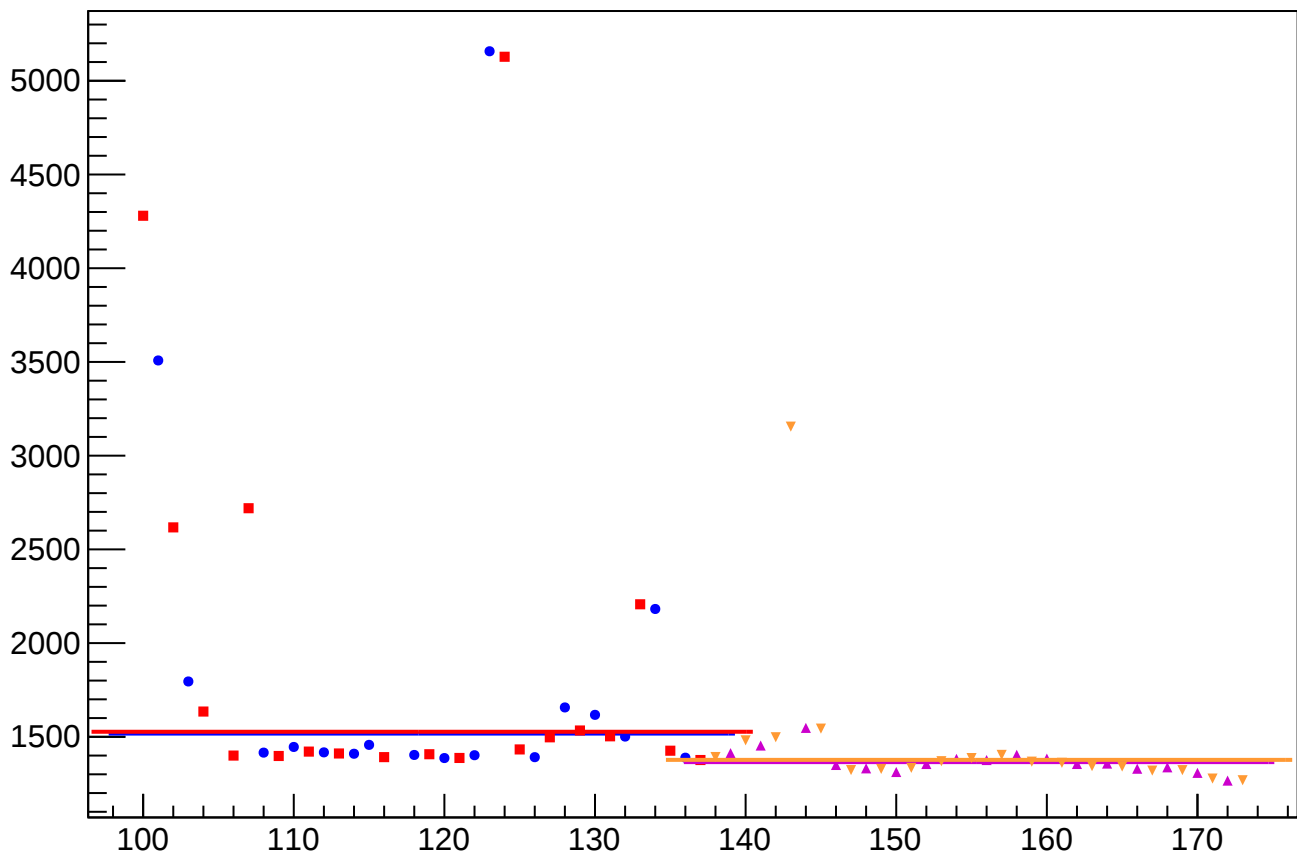
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+ sign -321.208+/-314.659 χ^2/NDF : 37.2/35

All: 117.804+/-223.681 χ^2/NDF : 81.2/71

- sign 566.284+/-318.034 χ^2/NDF : 40.1/35

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1377.017+/-0.261 χ^2/NDF : 487309.2/18

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

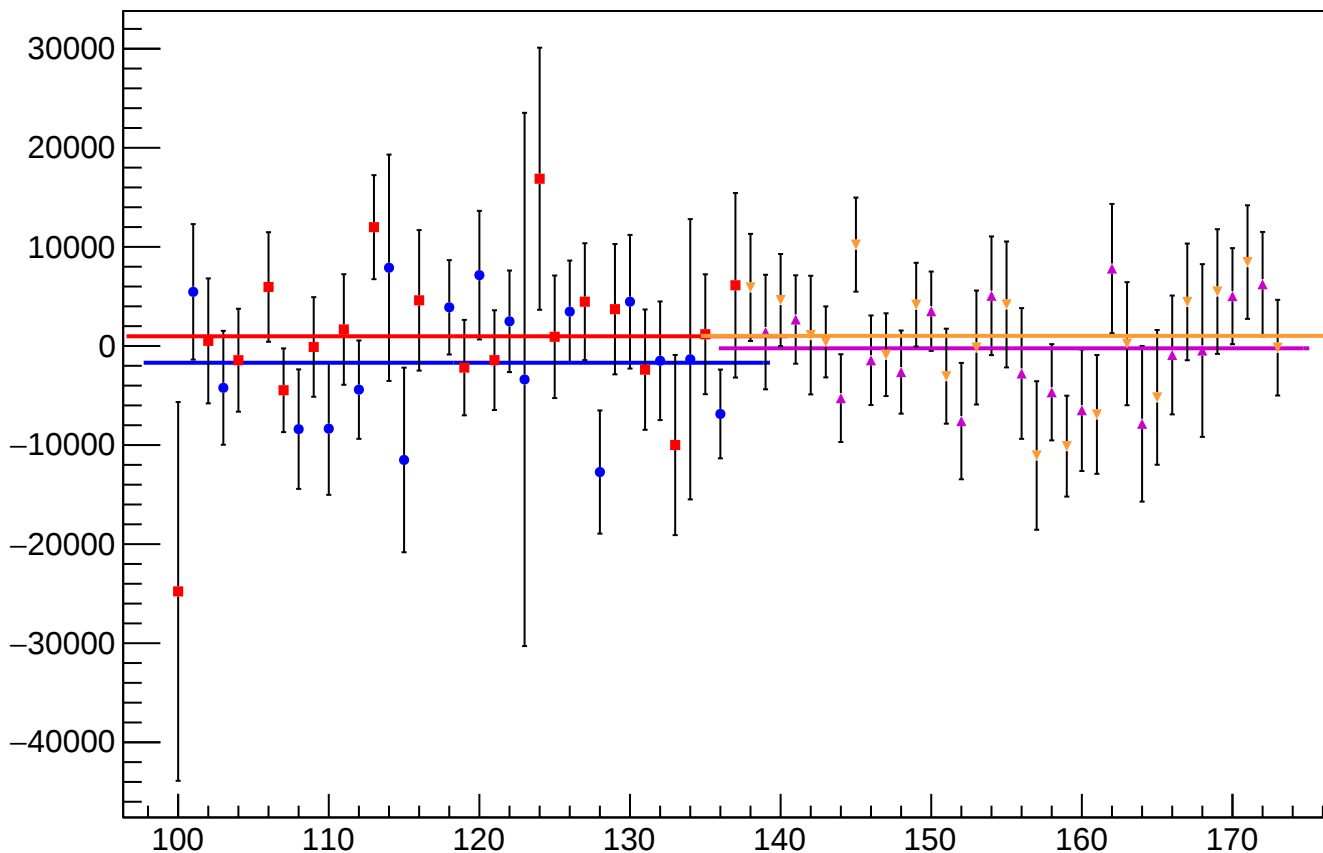
Left In: 1365.039+/-0.266 χ^2/NDF : 51118.4/16

+ sign 1415.138+/-0.222 χ^2/NDF : 1102667.1/35

All: 1413.242+/-0.158 χ^2/NDF : 1891463.7/71

- sign 1411.306+/-0.225 χ^2/NDF : 788649.8/35

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 1018.883 ± 1193.732 χ^2/NDF : 19.6/18

Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

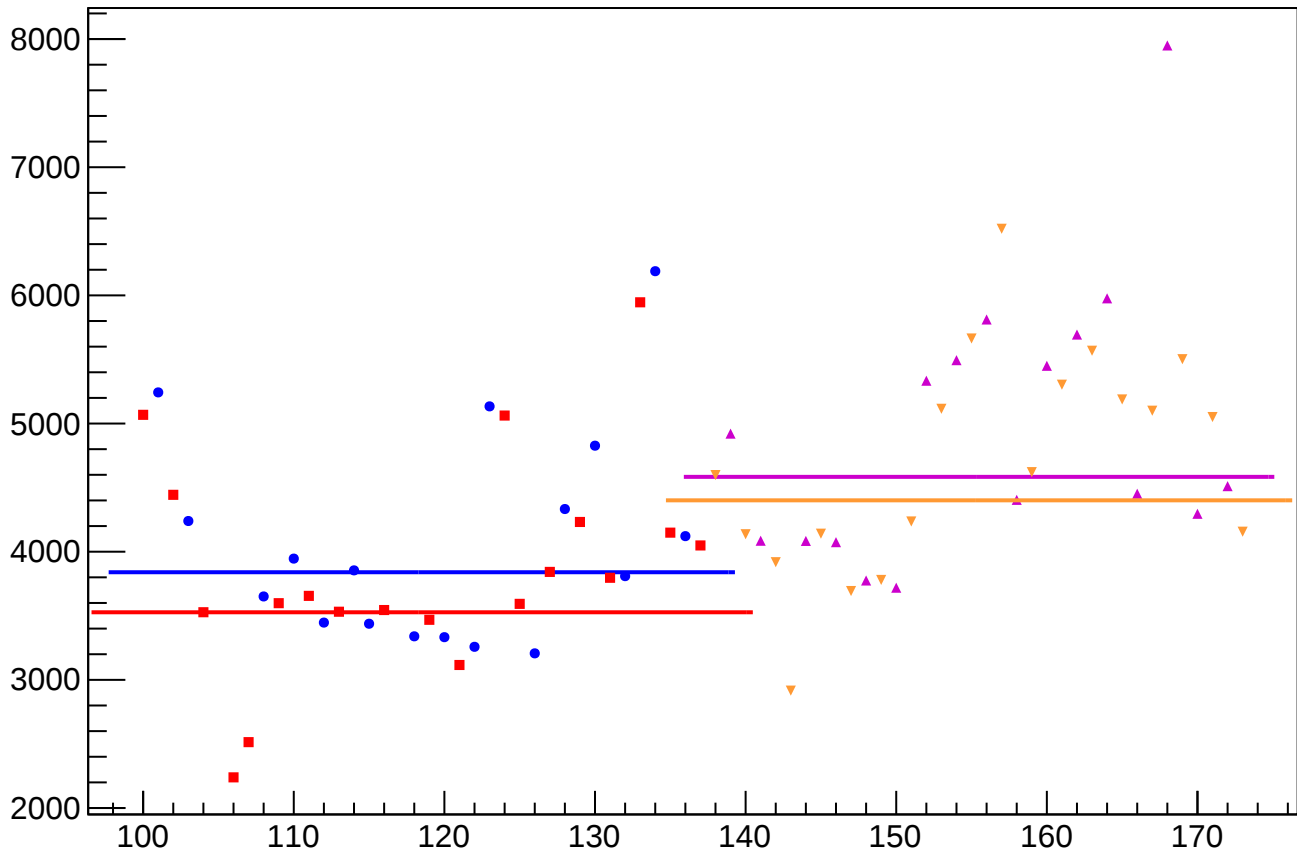
Left In: -236.596 ± 1283.326 χ^2/NDF : 12.6/16

+ sign -21.475 ± 937.148 χ^2/NDF : 37.4/35

All: 152.401 ± 663.463 χ^2/NDF : 64.4/71

- sign 327.119 ± 939.413 χ^2/NDF : 26.9/35

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4400.810+/-0.844 χ^2/NDF : 1011295.1/18

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

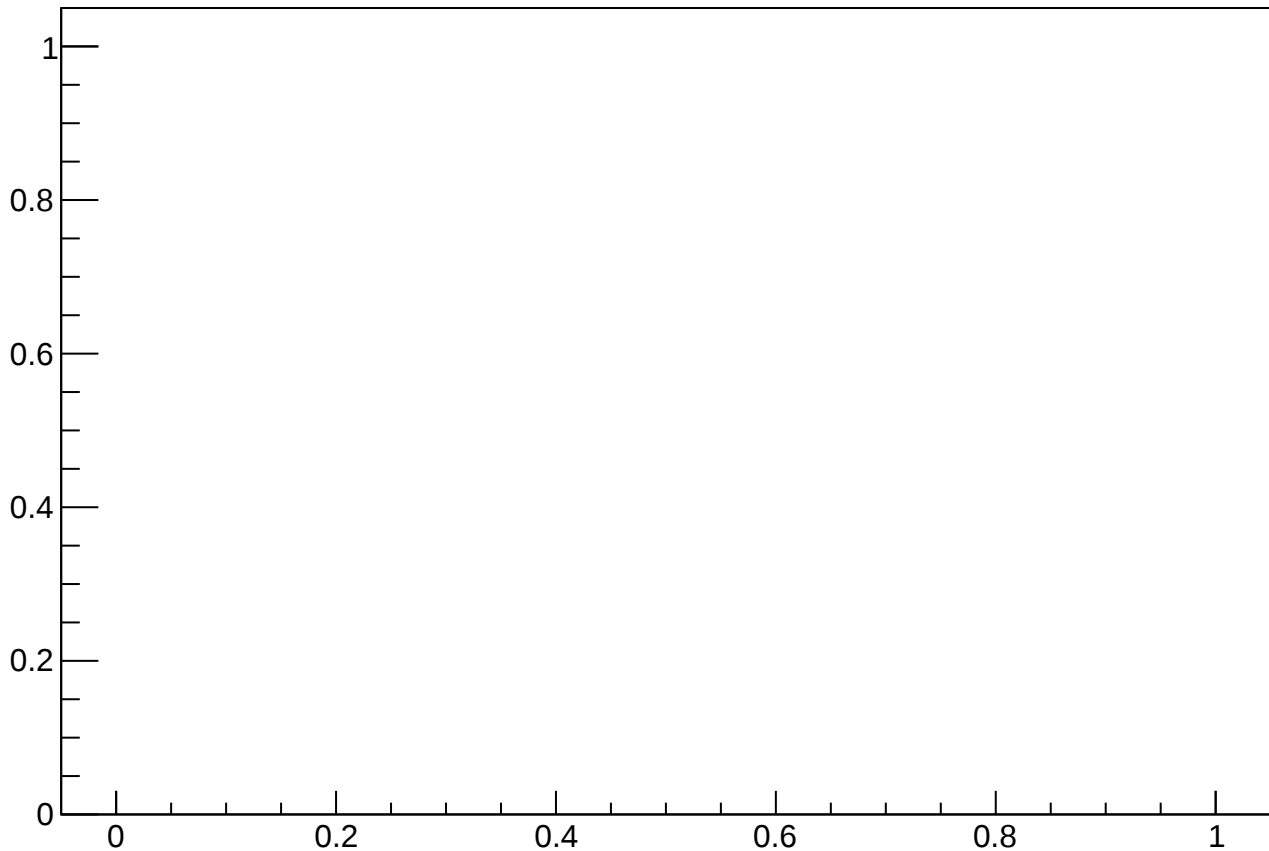
Left In: 4584.020+/-0.907 χ^2/NDF : 868589.8/16

+ sign 4185.533+/-0.663 χ^2/NDF : 1506774.8/35

All: 4137.050+/-0.468 χ^2/NDF : 3576393.8/71

- sign 4088.744+/-0.661 χ^2/NDF : 2058932.5/35

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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

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

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

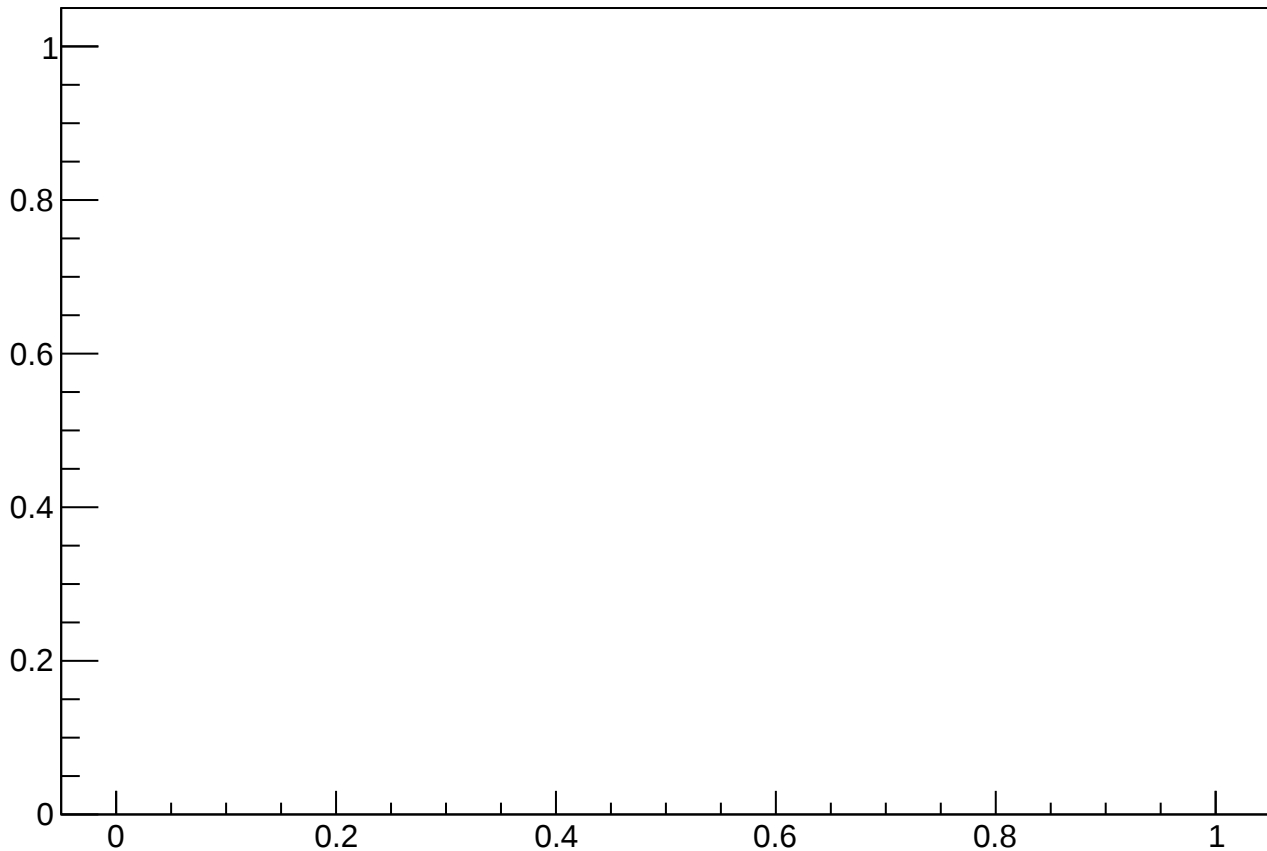
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



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

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

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

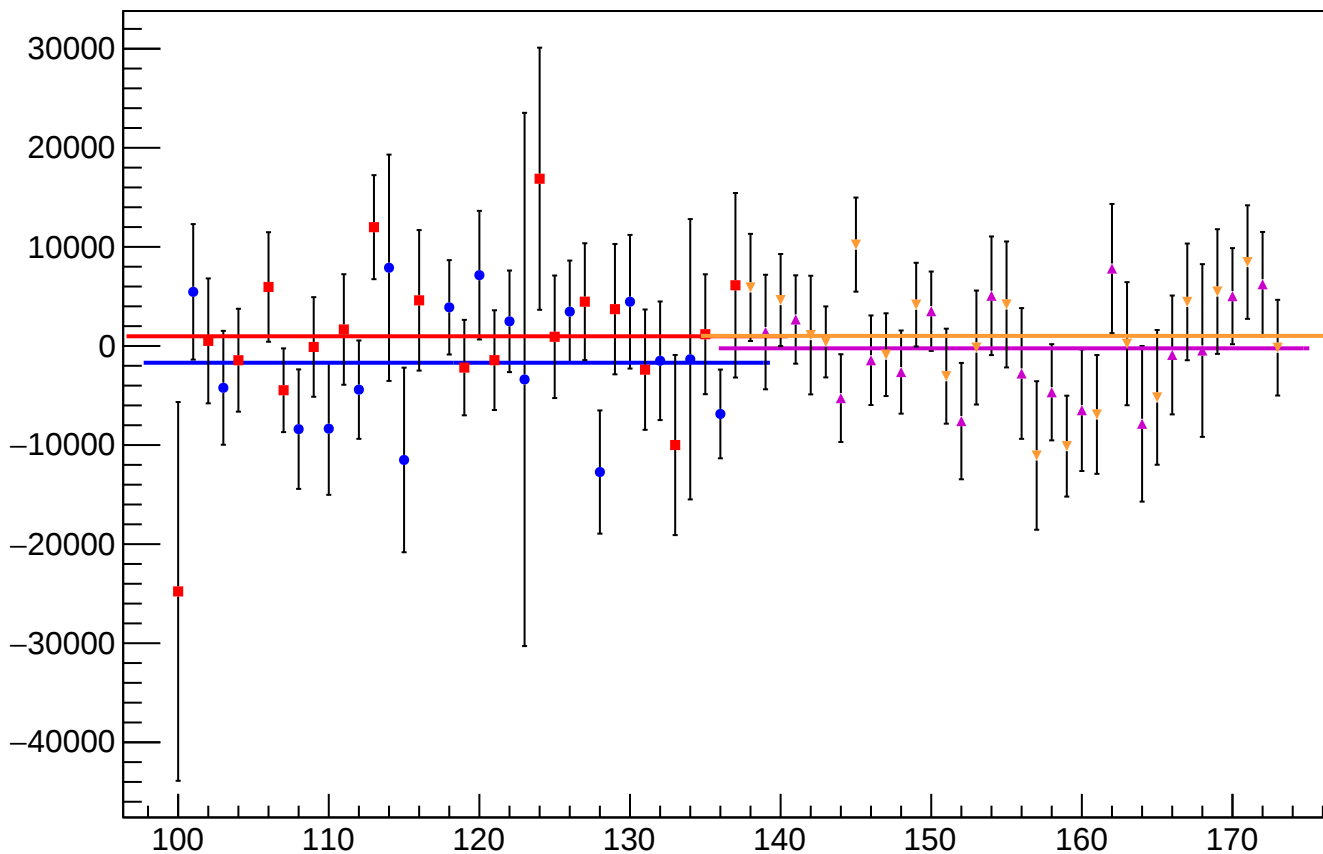
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604+/-1512.935 χ^2/NDF : 15.8/16

Left Out: 1018.883+/-1193.732 χ^2/NDF : 19.6/18

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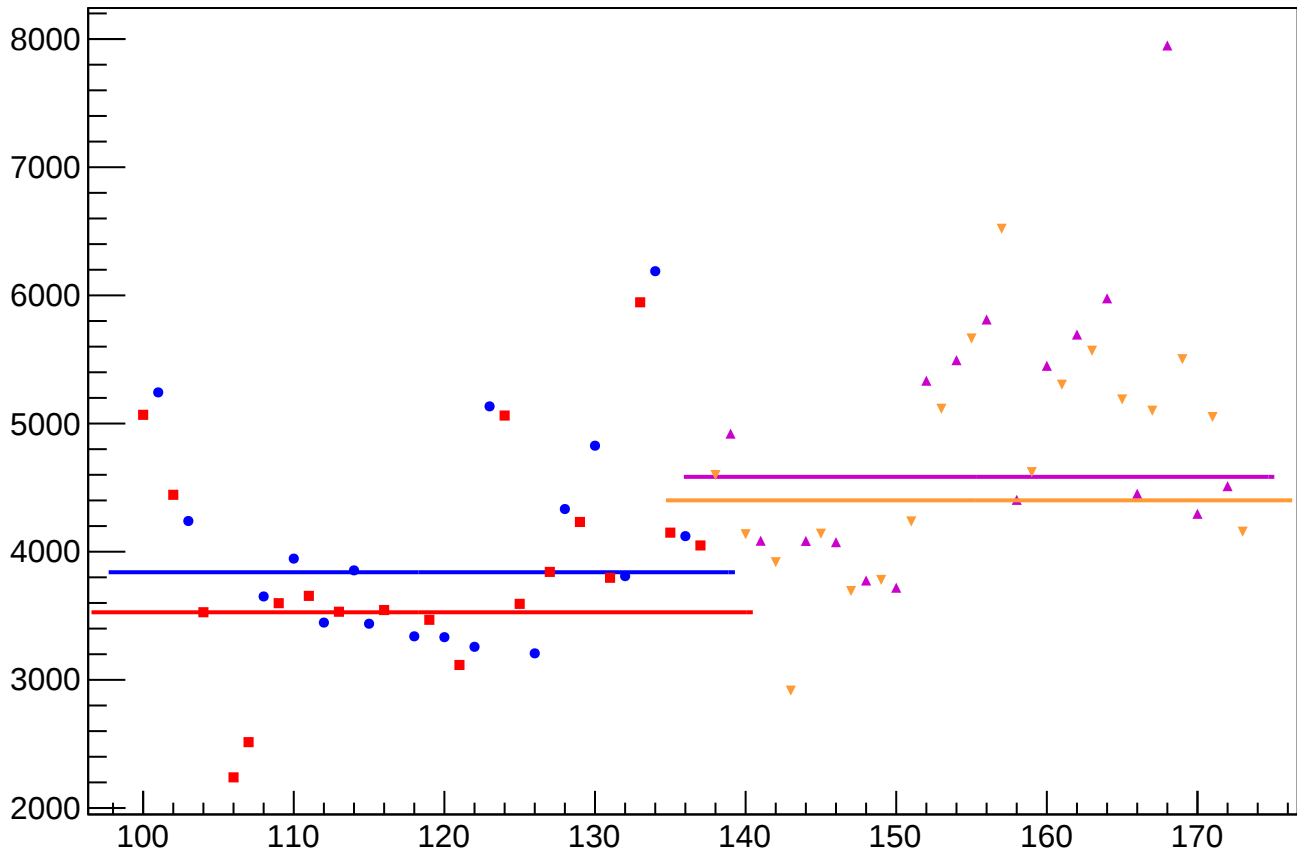
Left In: -236.596+/-1283.326 χ^2/NDF : 12.6/16

+ sign -21.475+/-937.148 χ^2/NDF : 37.4/35

All: 152.401+/-663.463 χ^2/NDF : 64.4/71

- sign 327.119+/-939.413 χ^2/NDF : 26.9/35

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751 ± 1.070 $\chi^2/\text{NDF}: 325959.2/16$

Left Out: 4400.810 ± 0.844 $\chi^2/\text{NDF}: 1011295.1/18$

Right Out: 3527.320 ± 0.966 $\chi^2/\text{NDF}: 554785.4/18$

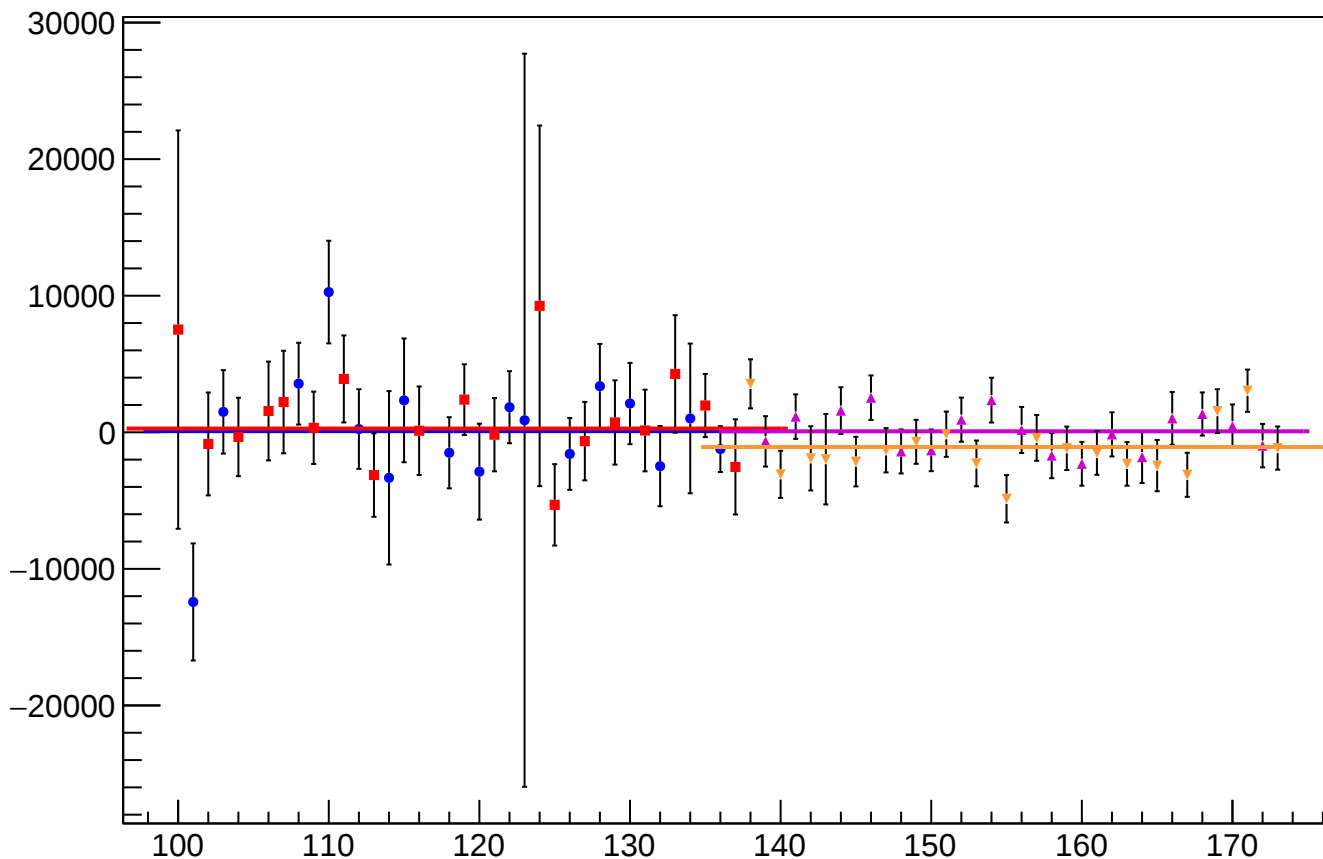
Left In: 4584.020 ± 0.907 $\chi^2/\text{NDF}: 868589.8/16$

+ sign 4185.533 ± 0.663 $\chi^2/\text{NDF}: 1506774.8/35$

All: 4137.050 ± 0.468 $\chi^2/\text{NDF}: 3576393.8/71$

- sign 4088.744 ± 0.661 $\chi^2/\text{NDF}: 2058932.5/35$

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1077.830 $\pm$ 393.720 χ^2 /NDF:27.0/18

Right Out: 272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

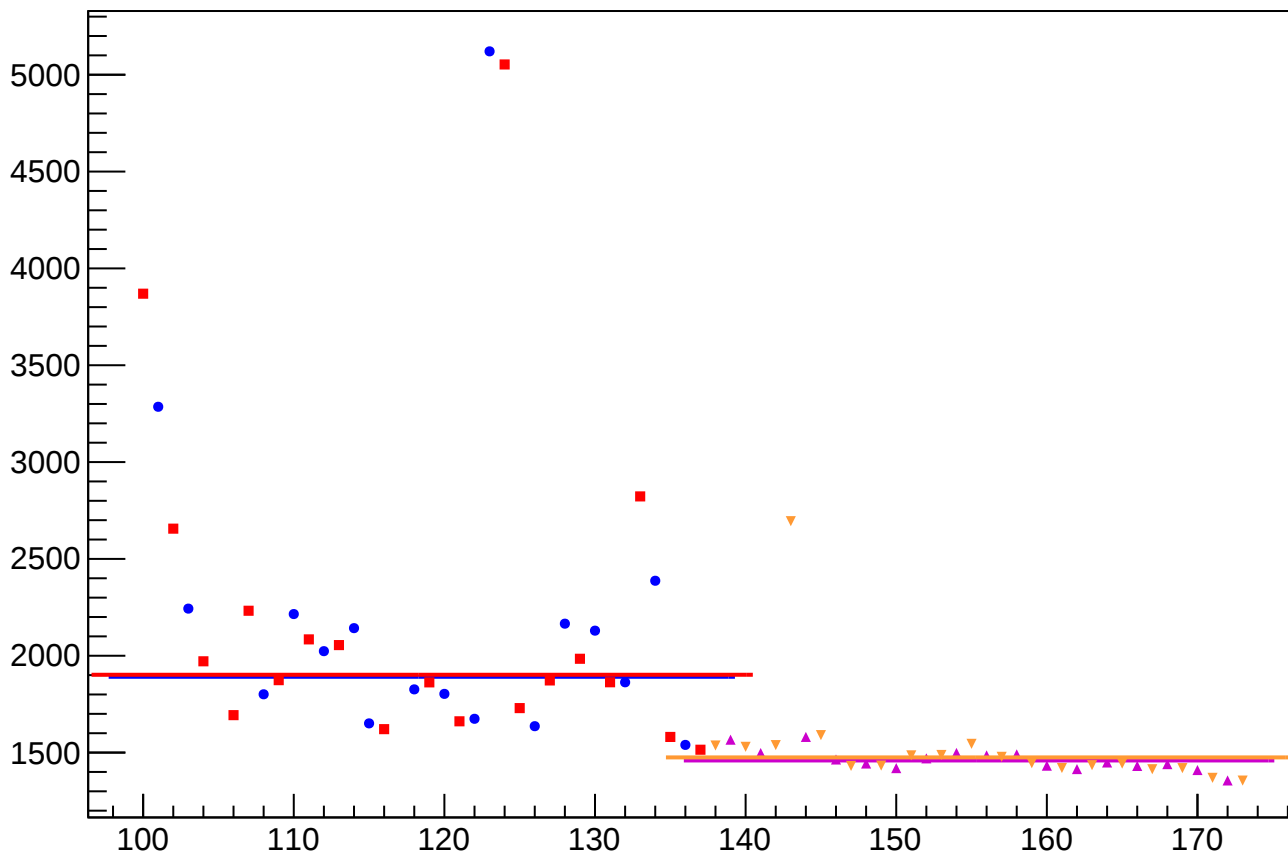
Left In: 70.703 $\pm$ 402.060 χ^2 /NDF:13.3/16

+ sign -827.141 $\pm$ 348.660 χ^2 /NDF: 51.7/35

All: -360.269 $\pm$ 247.934 χ^2 /NDF: 78.9/71

- sign 117.314 $\pm$ 352.636 χ^2 /NDF: 23.5/35

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 ± 0.531 $\chi^2/\text{NDF}: 464497.5/16$

Left Out: 1475.054 ± 0.278 $\chi^2/\text{NDF}: 322421.3/18$

Right Out: 1901.797 ± 0.519 $\chi^2/\text{NDF}: 460687.3/18$

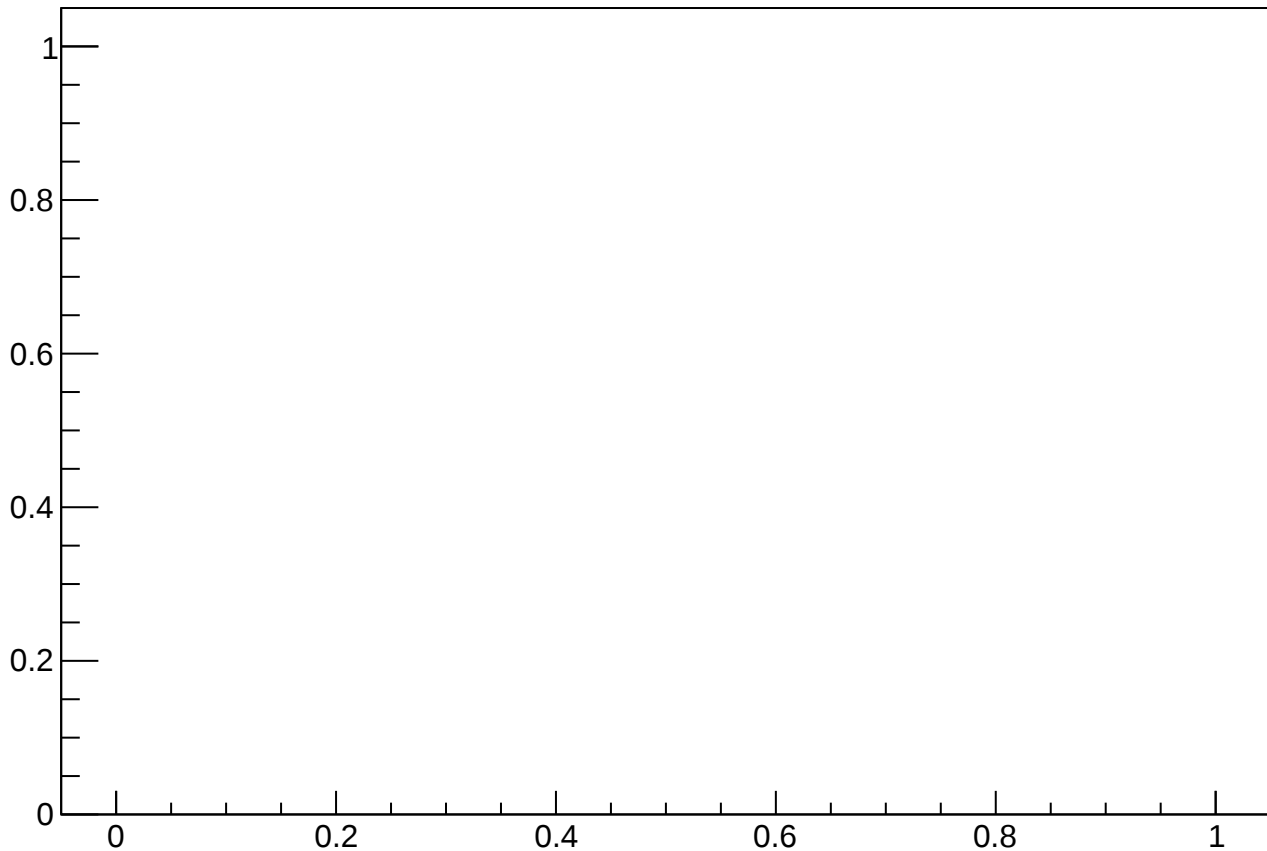
Left In: 1459.352 ± 0.284 $\chi^2/\text{NDF}: 35171.4/16$

+ sign 1564.921 ± 0.247 $\chi^2/\text{NDF}: 1269760.7/35$

All: 1563.203 ± 0.175 $\chi^2/\text{NDF}: 2324578.1/71$

- sign 1561.445 ± 0.249 $\chi^2/\text{NDF}: 1054719.1/35$

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



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

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

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

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

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

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

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

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



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

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

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

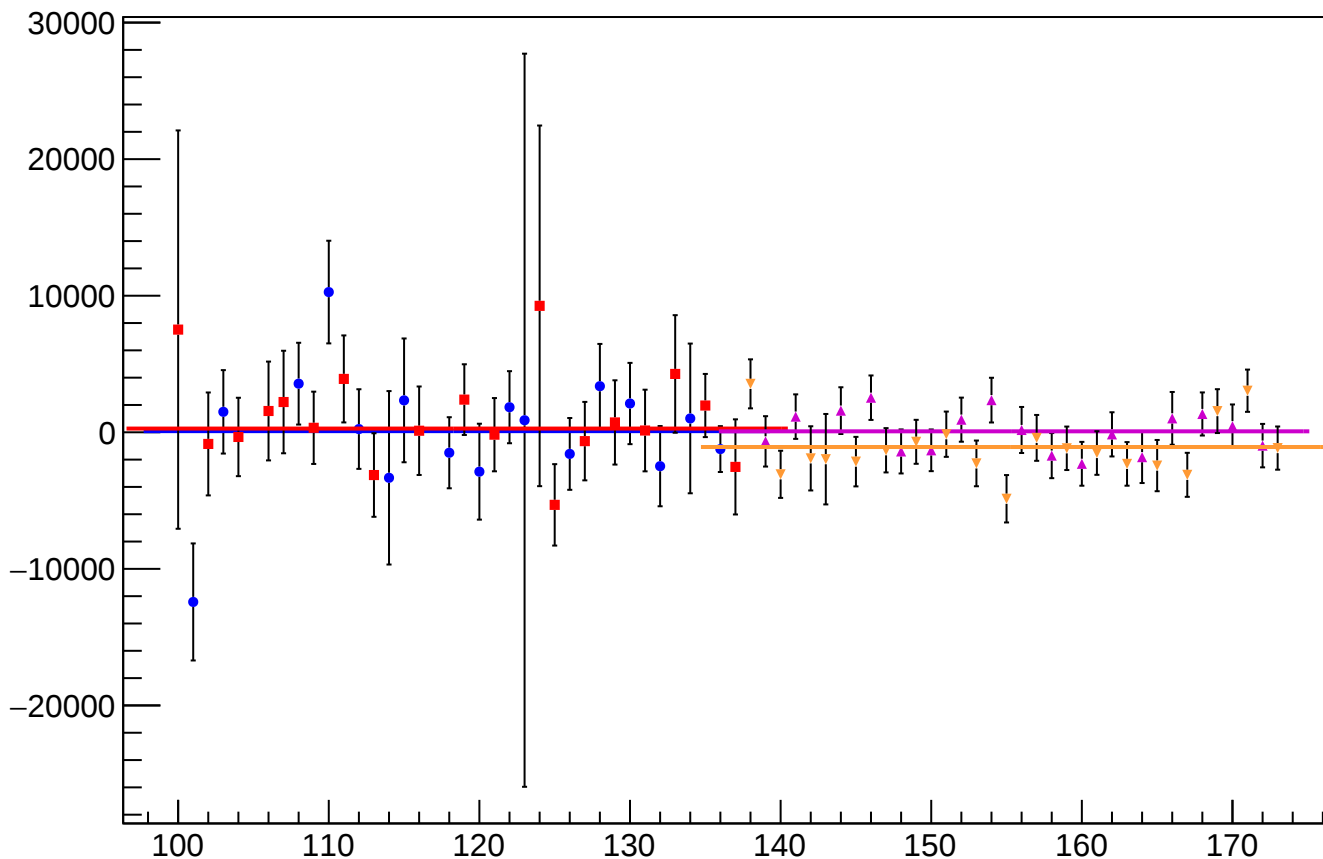
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 ± 750.549 χ^2/NDF : 22.9/16

Left Out: -1077.830 ± 393.720 χ^2/NDF : 27.0/18

Right Out: 272.707 ± 734.115 χ^2/NDF : 10.2/18

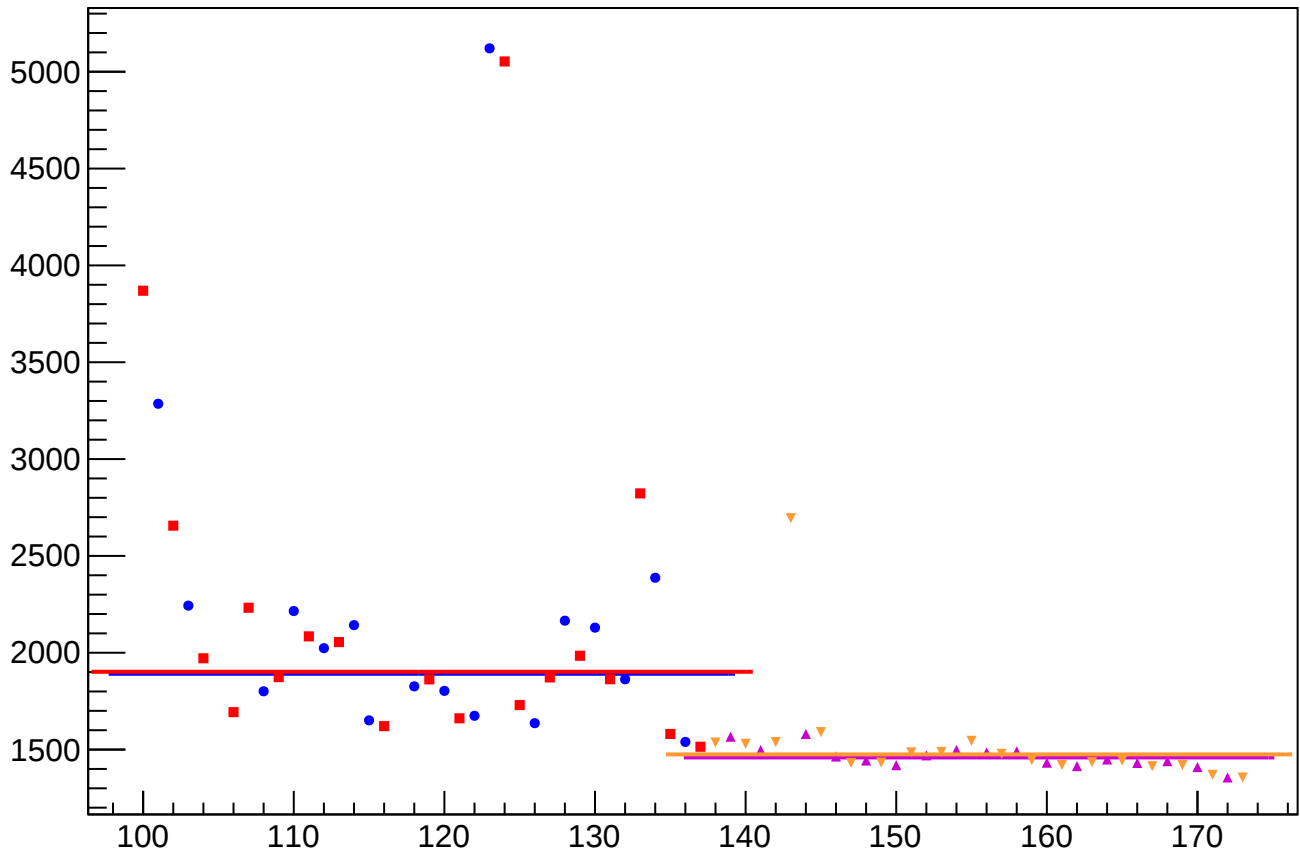
Left In: 70.703 ± 402.060 χ^2/NDF : 13.3/16

+ sign -827.141 ± 348.660 χ^2/NDF : 51.7/35

All: -360.269 ± 247.934 χ^2/NDF : 78.9/71

- sign 117.314 ± 352.636 χ^2/NDF : 23.5/35

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1475.054+/-0.278 χ^2/NDF : 322421.3/18

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

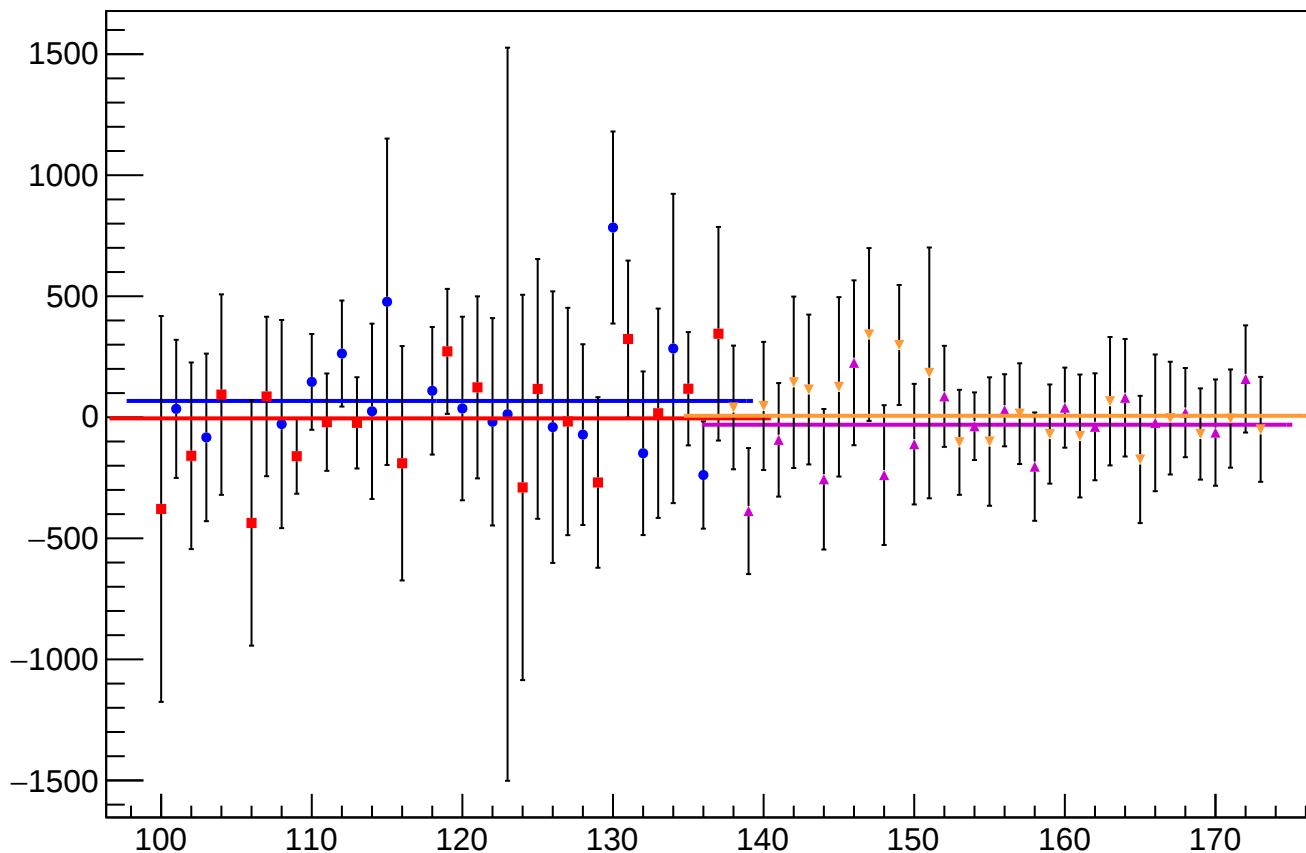
Left In: 1459.352+/-0.284 χ^2/NDF : 35171.4/16

+ sign 1564.921+/-0.247 χ^2/NDF : 1269760.7/35

All: 1563.203+/-0.175 χ^2/NDF : 2324578.1/71

- sign 1561.445+/-0.249 χ^2/NDF : 1054719.1/35

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 6.257 $\pm$ 57.554 χ^2 /NDF: 4.2/18

Right Out: -4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

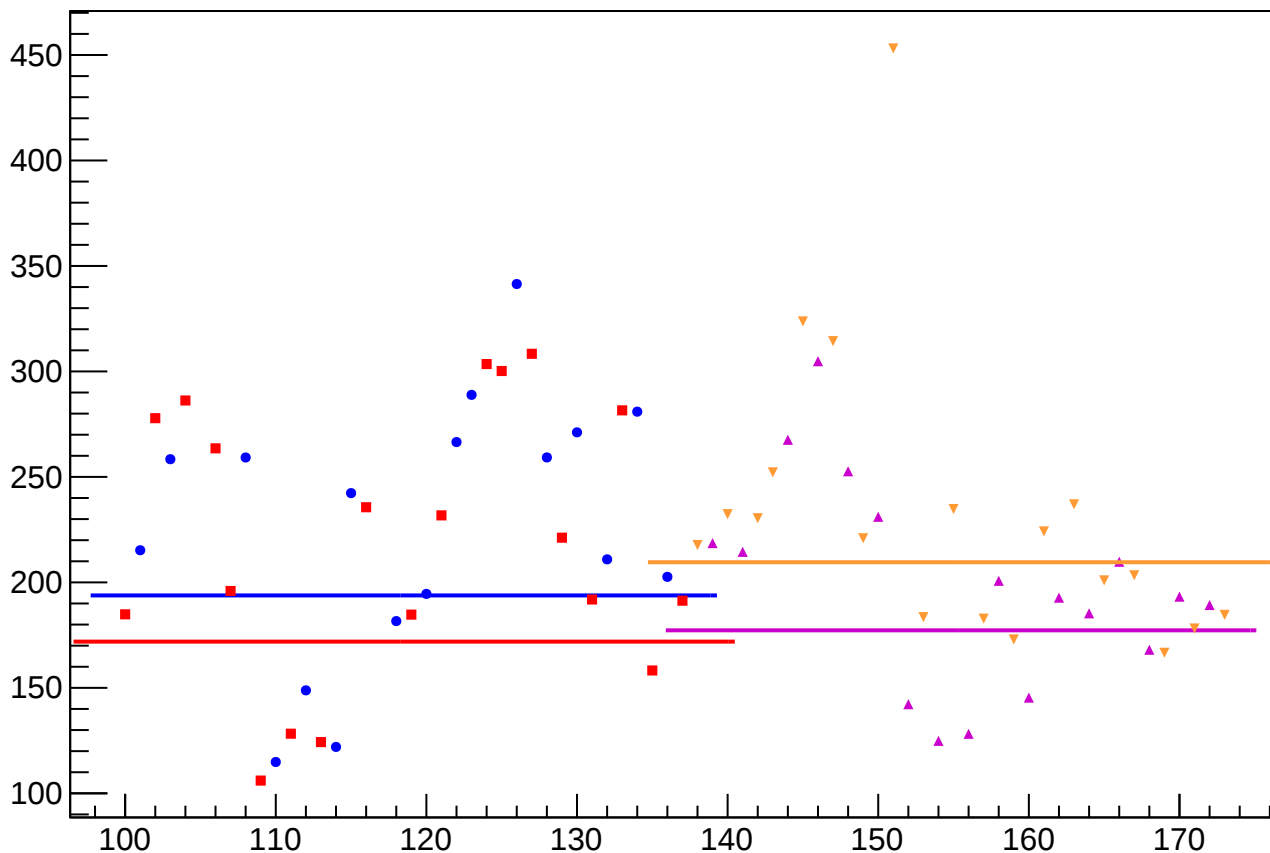
Left In: -30.674 $\pm$ 51.433 χ^2 /NDF: 6.0/16

+ sign 27.294 $\pm$ 46.641 χ^2 /NDF: 12.2/35

All: 0.047 $\pm$ 30.983 χ^2 /NDF: 25.2/71

- sign -21.472 $\pm$ 41.449 χ^2 /NDF: 12.5/35

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 209.549 $\pm$ 0.041 χ^2 /NDF:1223703.3/18

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

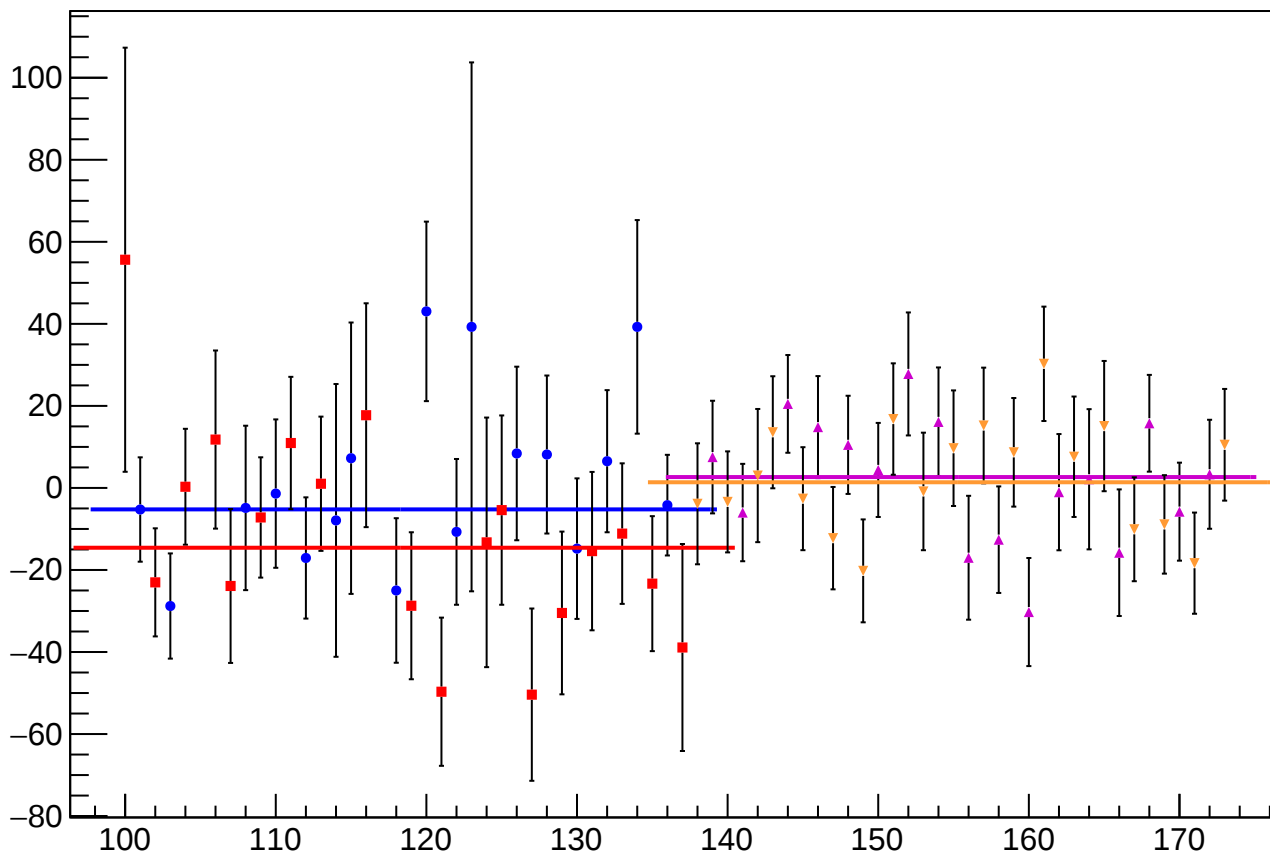
Left In: 177.272 $\pm$ 0.036 χ^2 /NDF:1516080.9/16

+ sign 204.148 $\pm$ 0.033 χ^2 /NDF: 2285334.7/35

All: 188.083 $\pm$ 0.022 χ^2 /NDF: 5810731.8/71

- sign 175.396 $\pm$ 0.029 χ^2 /NDF: 3100748.9/35

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: 1.383 ± 3.095 χ^2/NDF : 18.0/18

Right Out: -14.579 ± 4.265 χ^2/NDF : 19.5/18

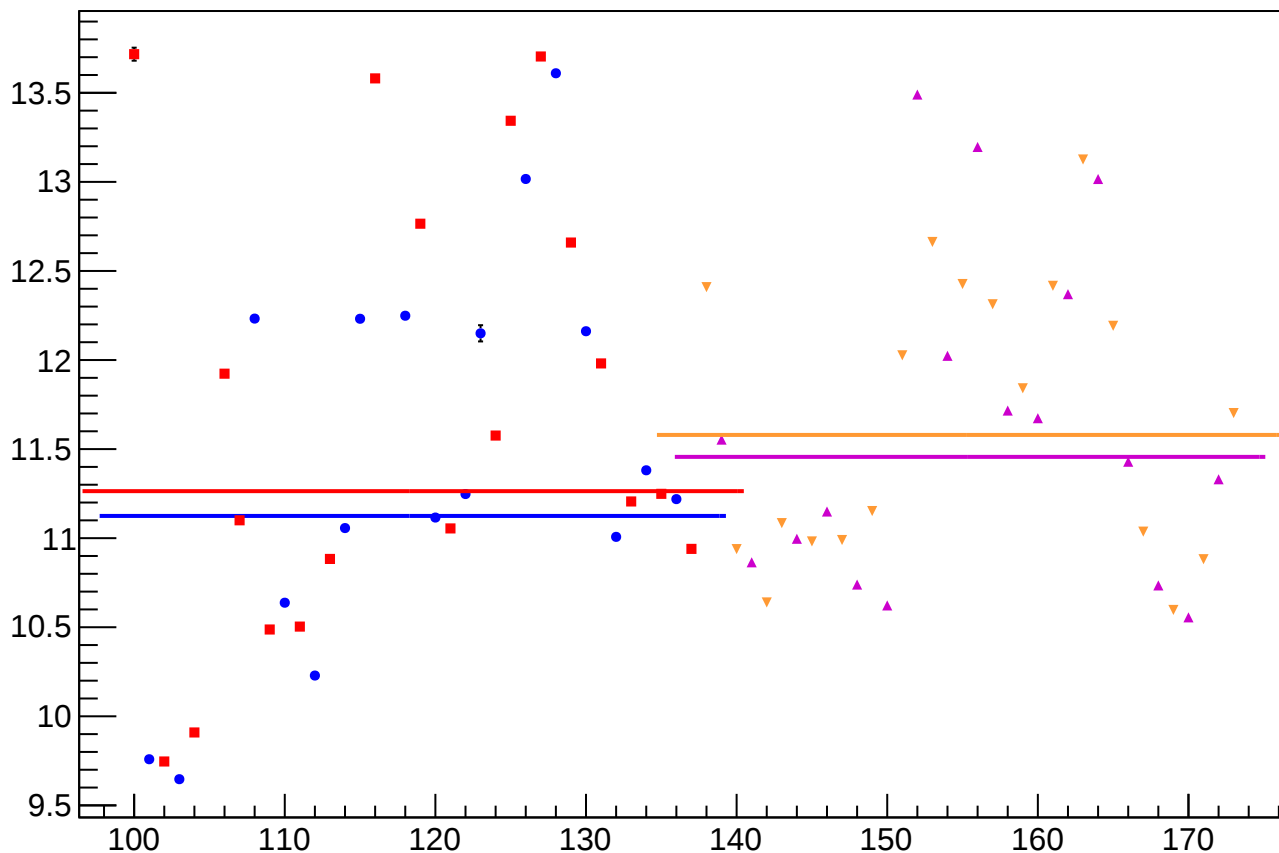
Left In: 2.652 ± 3.176 χ^2/NDF : 20.7/16

+ sign -0.836 ± 2.523 χ^2/NDF : 35.1/35

All: -2.152 ± 1.792 χ^2/NDF : 86.3/71

- sign -3.494 ± 2.547 χ^2/NDF : 50.7/35

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.580 $\pm$ 0.002 χ^2 /NDF:115434.9/18

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

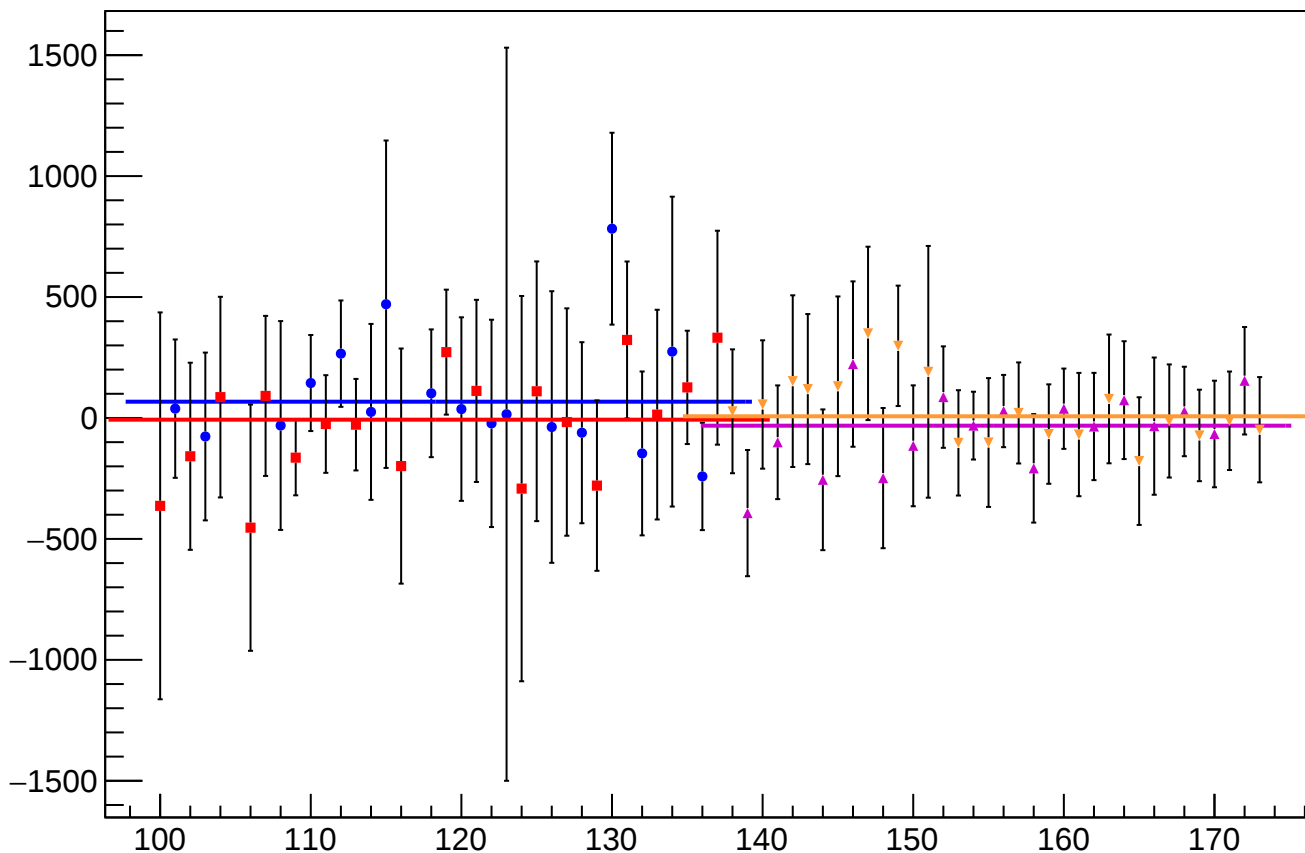
Left In: 11.456 $\pm$ 0.002 χ^2 /NDF:139386.8/16

+ sign 11.427 $\pm$ 0.002 χ^2 /NDF: 262440.6/35

All: 11.408 $\pm$ 0.001 χ^2 /NDF: 552419.5/71

- sign 11.388 $\pm$ 0.002 χ^2 /NDF: 289738.6/35

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 7.001+/-57.756 χ^2/NDF : 4.3/18

Right Out: -7.039+/-70.212 χ^2/NDF : 6.4/18

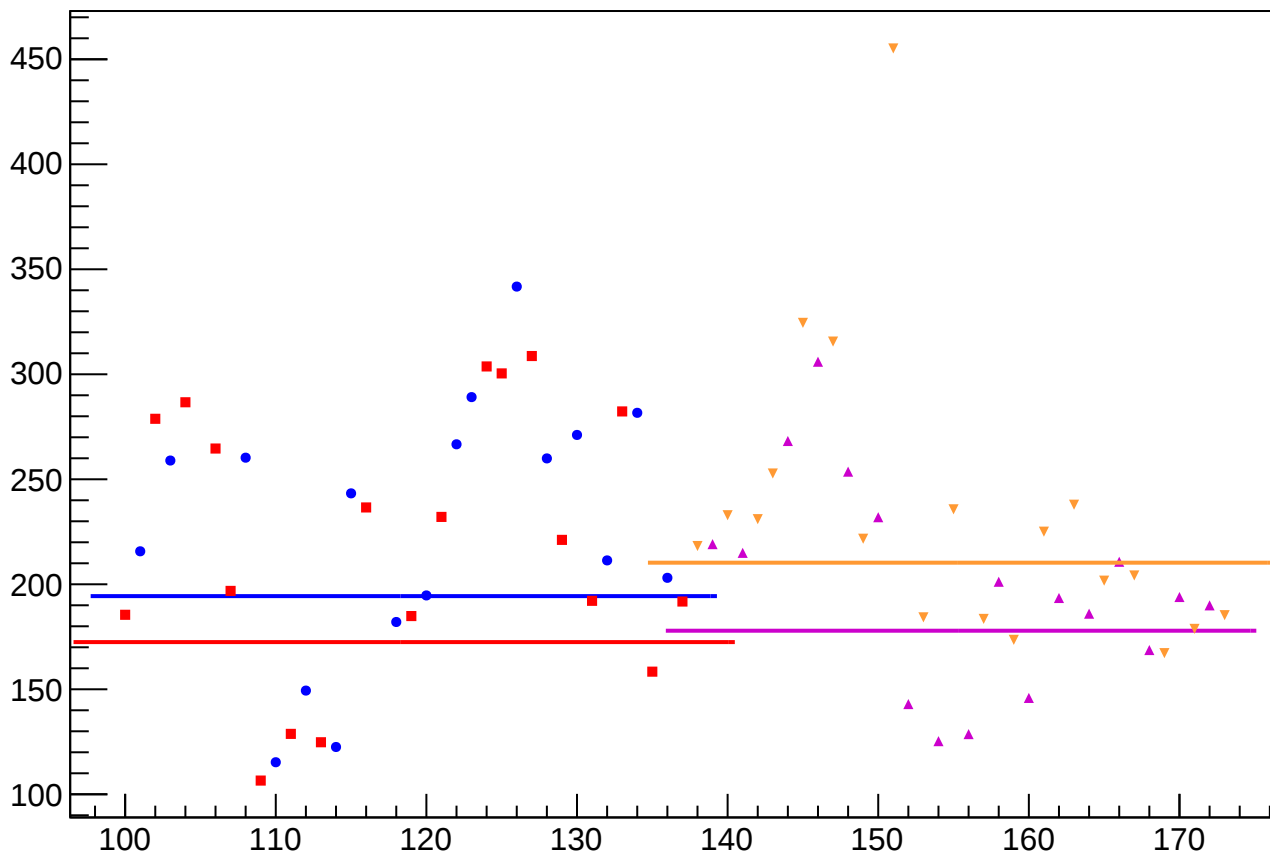
Left In: -31.902+/-51.611 χ^2/NDF : 6.1/16

+ sign 27.725+/-46.791 χ^2/NDF : 12.2/35

All: -0.716+/-31.083 χ^2/NDF : 25.5/71

- sign -23.181+/-41.585 χ^2/NDF : 12.6/35

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 210.288 $\pm$ 0.041 χ^2 /NDF:1222696.1/18

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

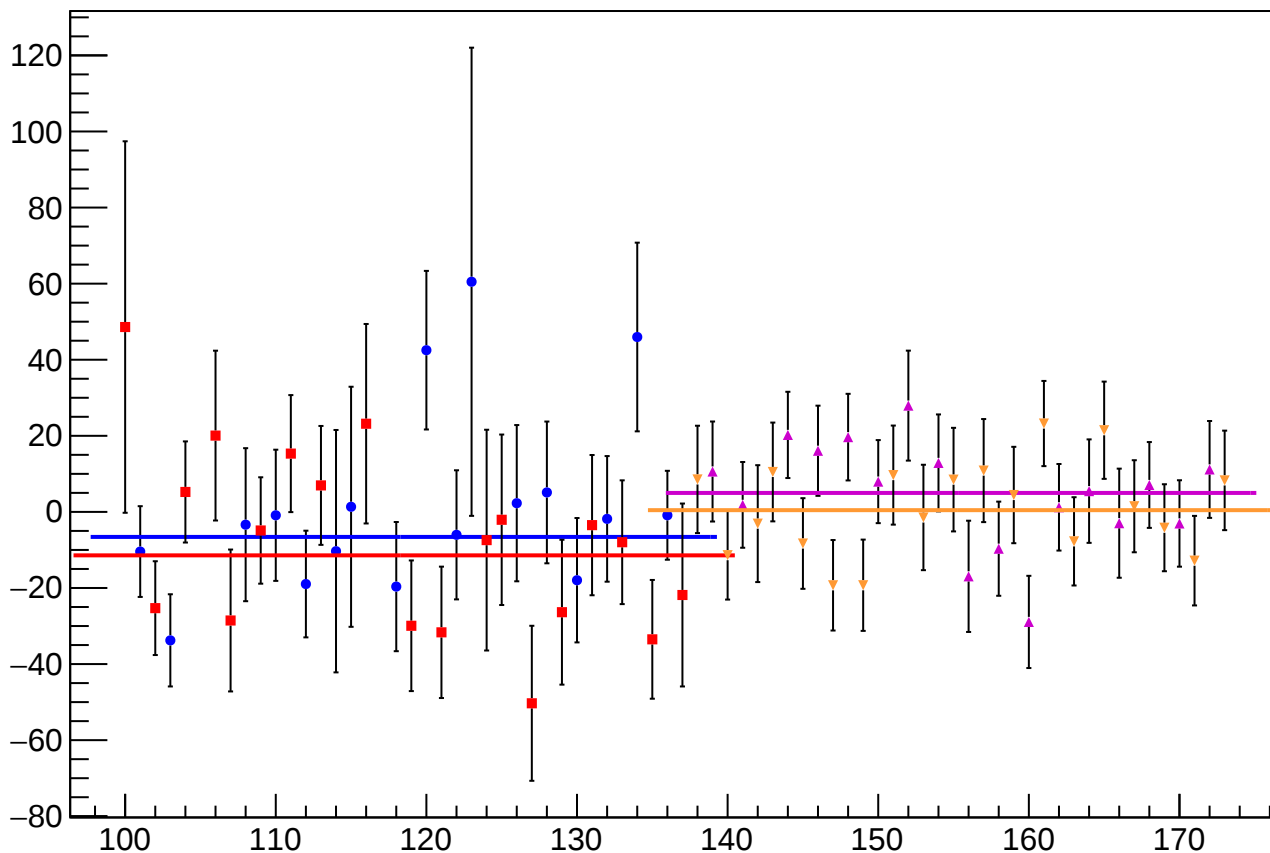
Left In: 177.891 $\pm$ 0.036 χ^2 /NDF:1514200.2/16

+ sign 204.816 $\pm$ 0.033 χ^2 /NDF: 2280168.2/35

All: 188.711 $\pm$ 0.022 χ^2 /NDF: 5795840.1/71

- sign 175.990 $\pm$ 0.029 χ^2 /NDF: 3091584.7/35

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 ± 4.157 χ^2/NDF : 19.3/16

Left Out: 0.457 ± 2.877 χ^2/NDF : 18.7/18

Right Out: -11.423 ± 4.080 χ^2/NDF : 23.0/18

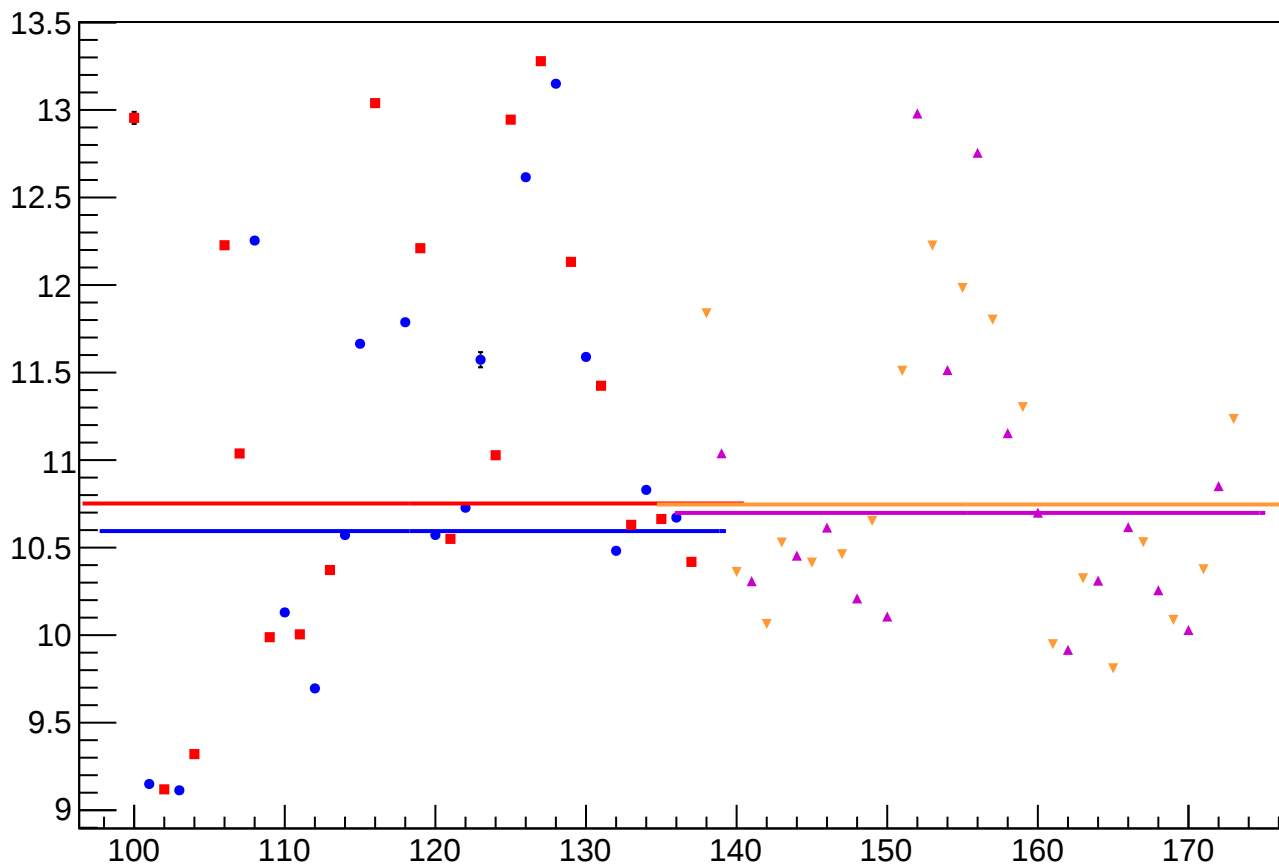
Left In: 4.986 ± 2.970 χ^2/NDF : 20.3/16

+ sign -1.820 ± 2.365 χ^2/NDF : 40.0/35

All: -1.267 ± 1.685 χ^2/NDF : 93.9/71

- sign -0.698 ± 2.401 χ^2/NDF : 53.8/35

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.746 $\pm$ 0.002 χ^2 /NDF:119237.6/18

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

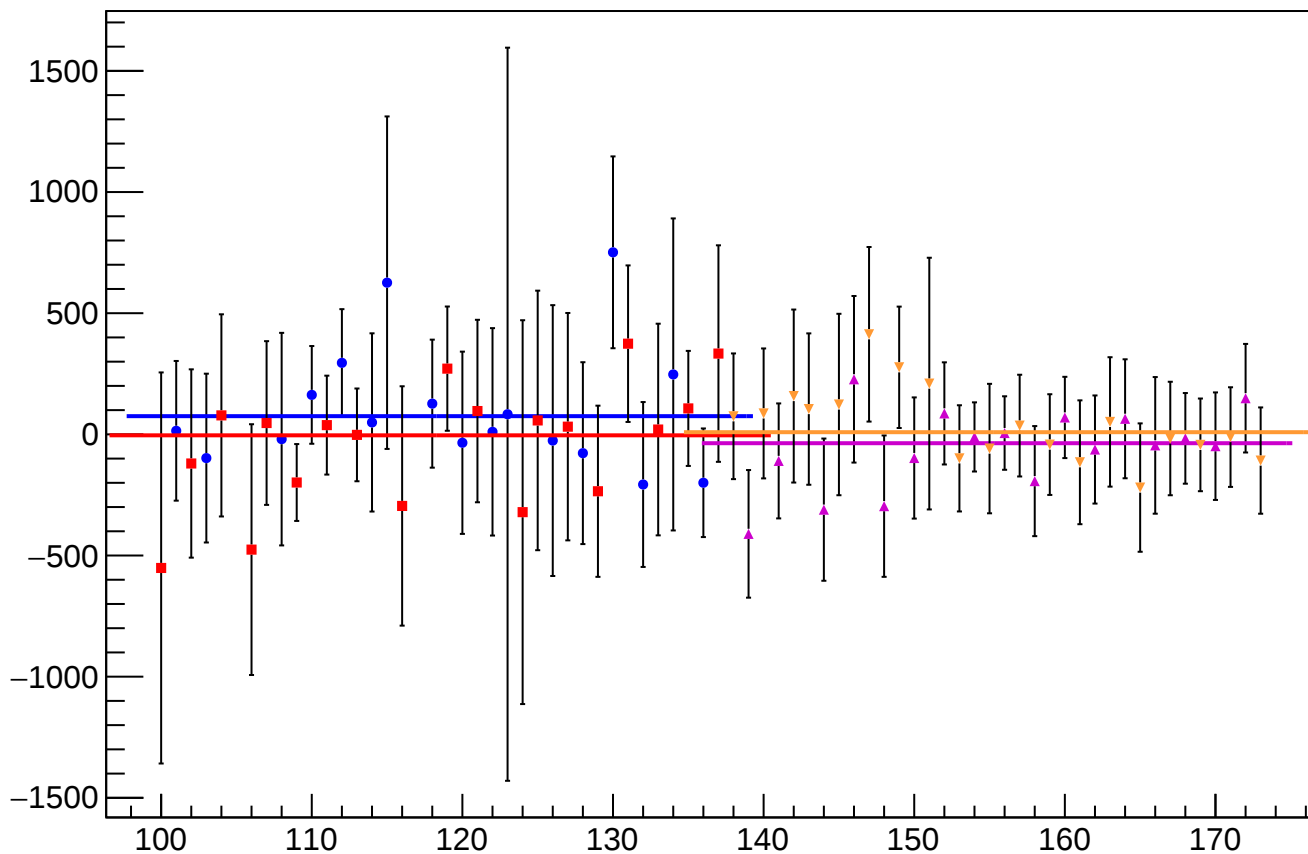
Left In: 10.698 $\pm$ 0.002 χ^2 /NDF:136094.7/16

+ sign 10.697 $\pm$ 0.002 χ^2 /NDF: 281103.6/35

All: 10.707 $\pm$ 0.001 χ^2 /NDF: 594666.6/71

- sign 10.717 $\pm$ 0.002 χ^2 /NDF: 313495.2/35

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 8.922 $\pm$ 58.158 χ^2 /NDF: 4.8/18

Right Out: -3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

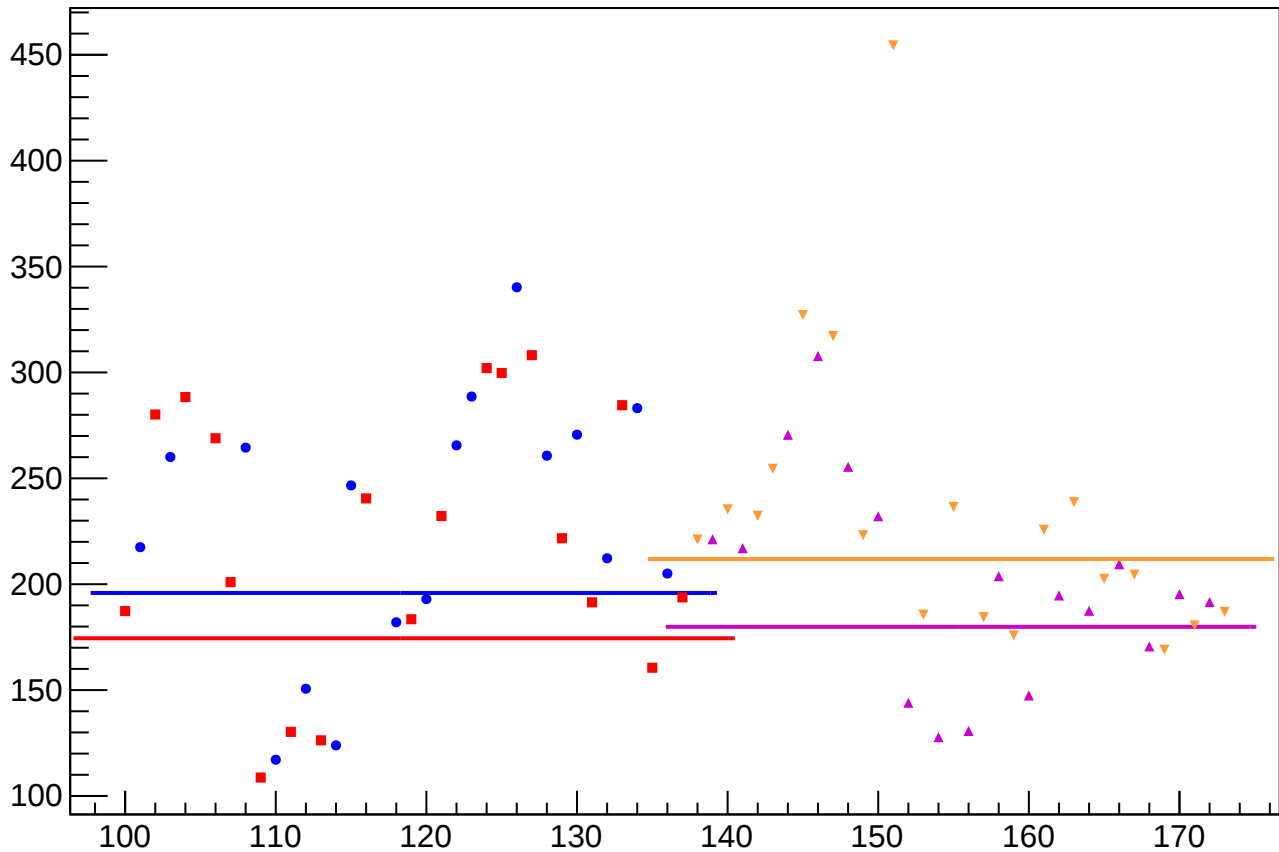
Left In: -36.523 $\pm$ 52.120 χ^2 /NDF: 6.6/16

+ sign 31.668 $\pm$ 47.112 χ^2 /NDF: 13.0/35

All: 0.026 $\pm$ 31.347 χ^2 /NDF: 27.9/71

- sign -25.109 $\pm$ 41.991 χ^2 /NDF: 14.1/35

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869+/-0.057 χ^2/NDF : 979247.4/16

Left Out: 211.891+/-0.041 χ^2/NDF :1205273.5/18

Right Out: 174.465+/-0.050 χ^2/NDF : 1528778.5/18

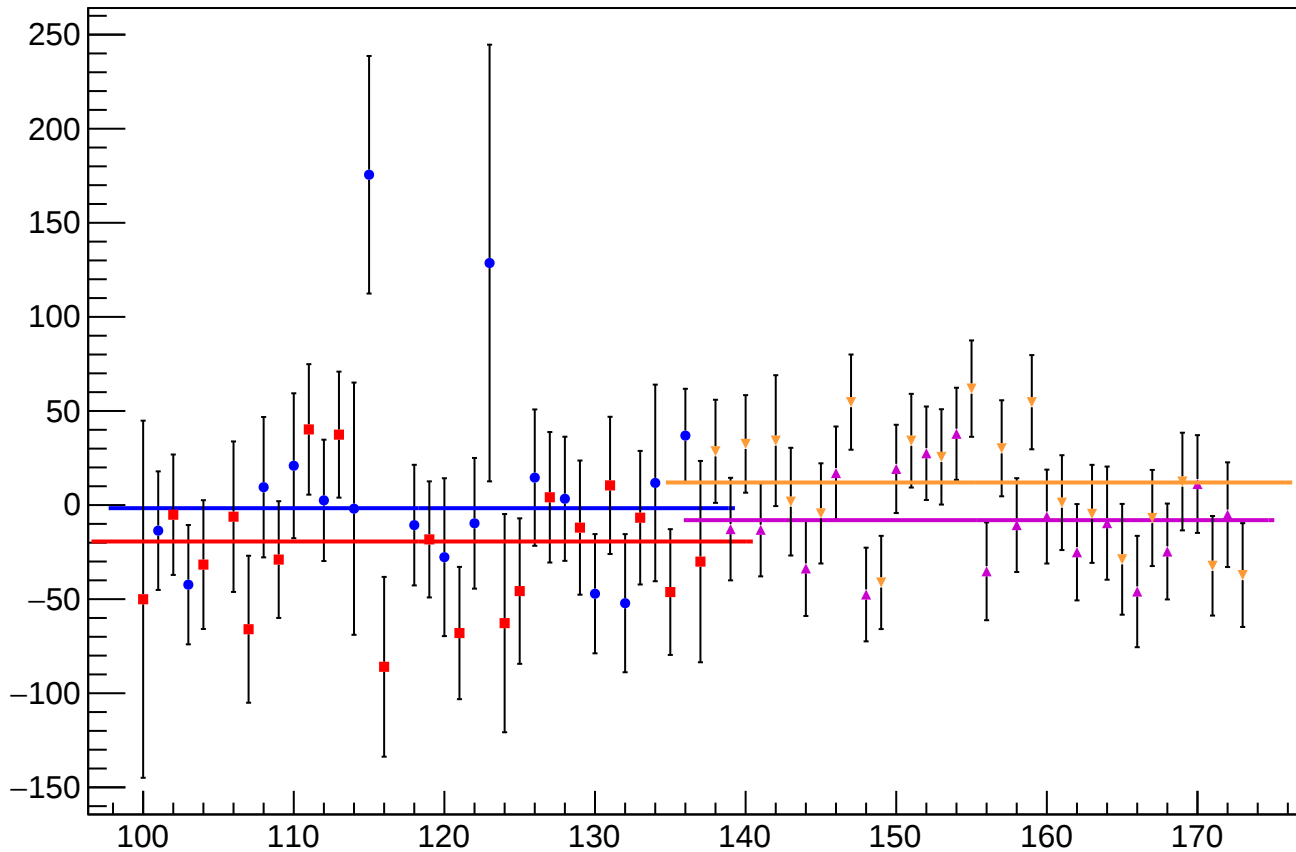
Left In: 179.875+/-0.037 χ^2/NDF :1471722.9/16

+ sign 206.383+/-0.033 χ^2/NDF : 2236706.4/35

All: 190.553+/-0.022 χ^2/NDF : 5649974.2/71

- sign 177.977+/-0.030 χ^2/NDF : 3008063.6/35

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 11.999 ± 6.056 χ^2/NDF : 26.7/18

Right Out: -19.357 ± 8.556 χ^2/NDF : 14.8/18

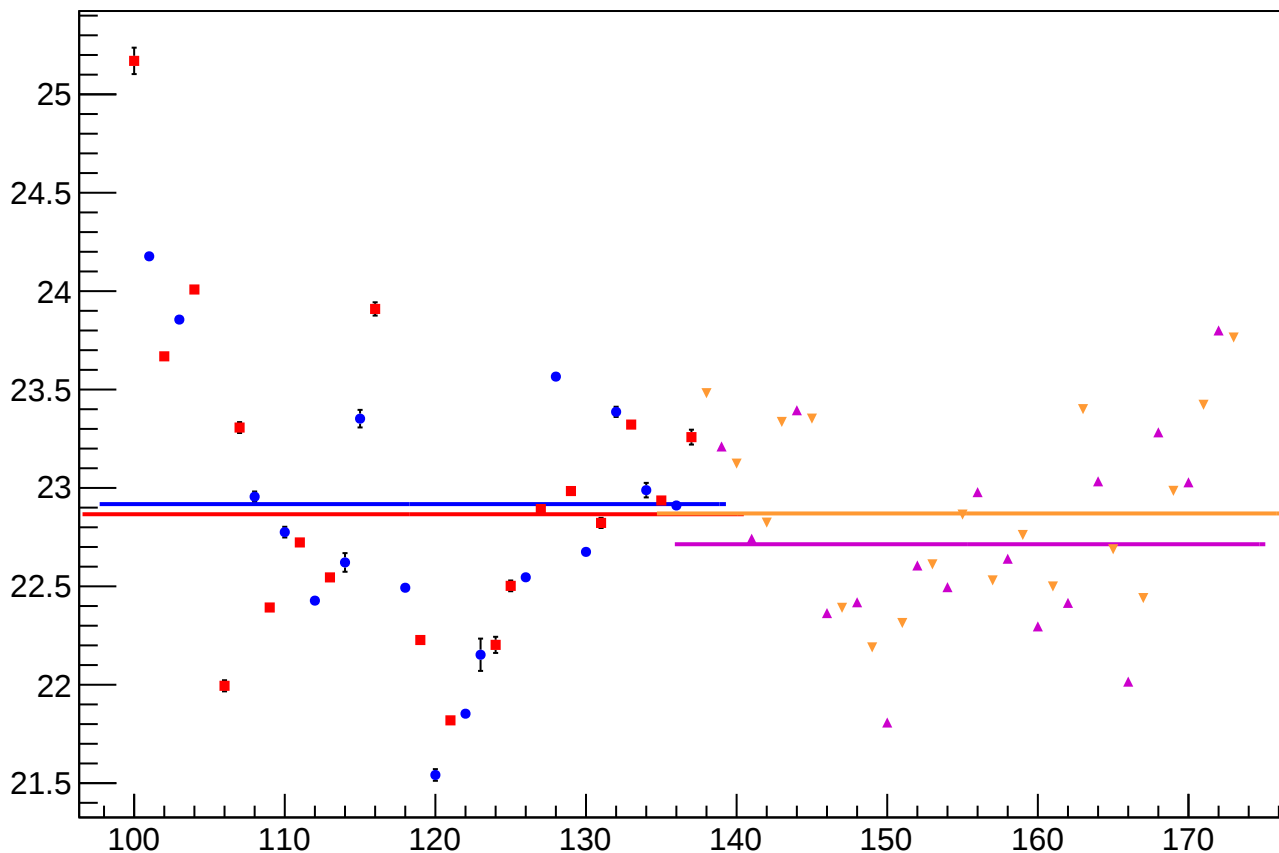
Left In: -8.020 ± 6.240 χ^2/NDF : 15.7/16

+ sign 7.665 ± 5.004 χ^2/NDF : 46.8/35

All: -2.072 ± 3.551 χ^2/NDF : 86.1/71

- sign -11.956 ± 5.041 χ^2/NDF : 31.6/35

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.870 $\pm$ 0.004 χ^2 /NDF: 11120.2/18

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

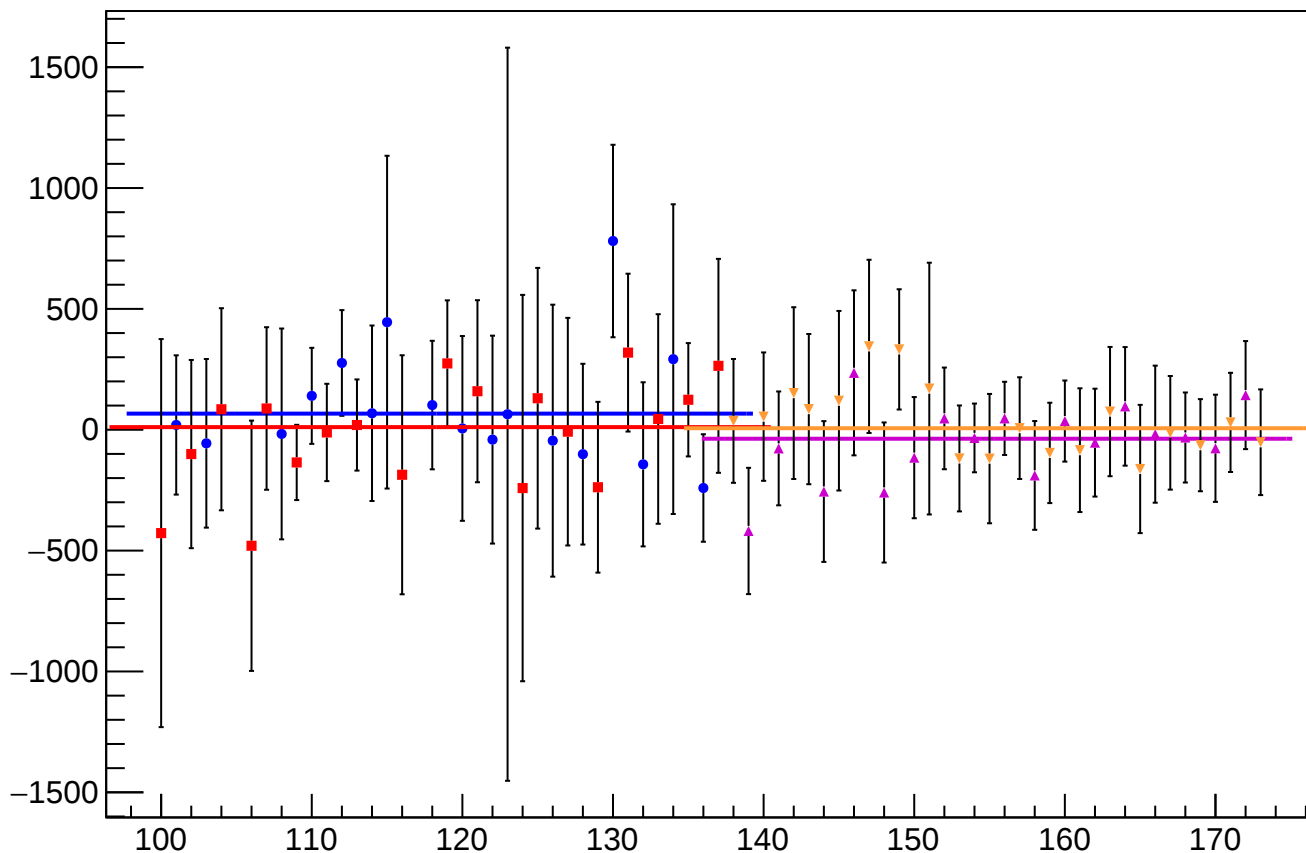
Left In: 22.714 $\pm$ 0.004 χ^2 /NDF: 12714.8/16

+ sign 22.885 $\pm$ 0.004 χ^2 /NDF: 22631.5/35

All: 22.827 $\pm$ 0.003 χ^2 /NDF: 47370.3/71

- sign 22.767 $\pm$ 0.004 χ^2 /NDF: 24181.8/35

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 6.261 $\pm$ 58.032 χ^2 /NDF: 4.7/18

Right Out: 10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

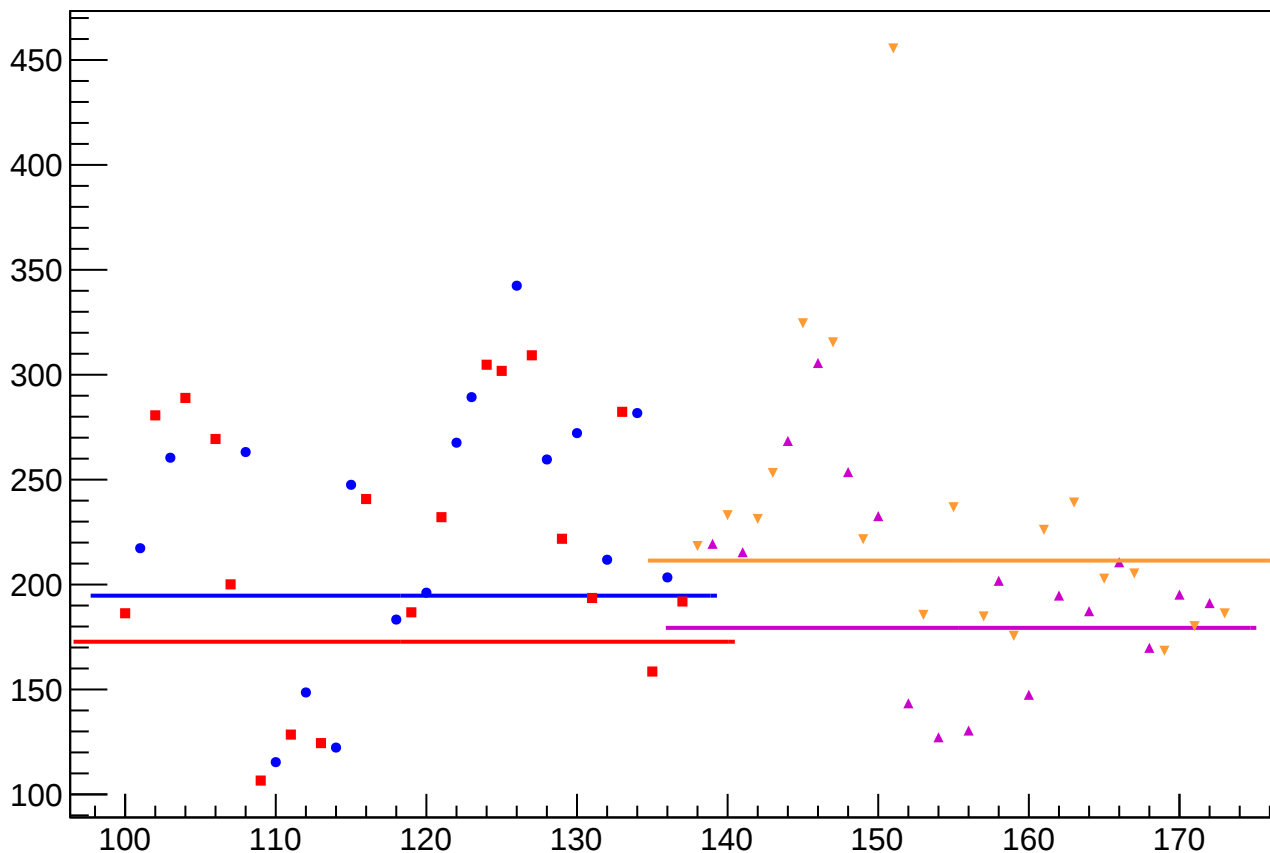
Left In: -37.200 $\pm$ 51.973 χ^2 /NDF: 6.2/16

+ sign 27.101 $\pm$ 46.974 χ^2 /NDF: 12.6/35

All: 0.688 $\pm$ 31.231 χ^2 /NDF: 25.3/71

- sign -20.238 $\pm$ 41.810 χ^2 /NDF: 12.2/35

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 211.435 $\pm$ 0.041 χ^2 /NDF:1197343.9/18

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

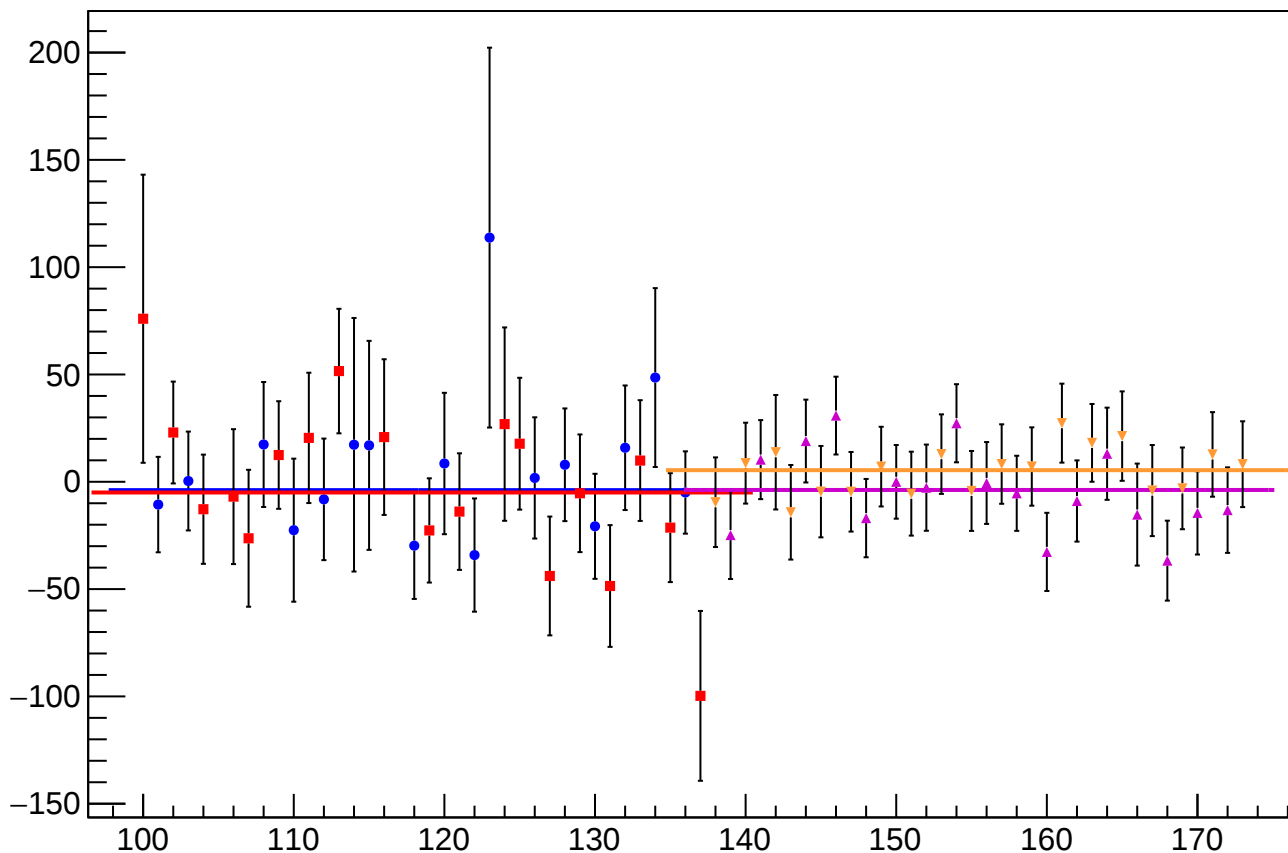
Left In: 179.366 $\pm$ 0.037 χ^2 /NDF:1461718.6/16

+ sign 205.666 $\pm$ 0.033 χ^2 /NDF: 2274547.7/35

All: 189.689 $\pm$ 0.022 χ^2 /NDF: 5759268.9/71

- sign 177.032 $\pm$ 0.030 χ^2 /NDF: 3070085.7/35

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 5.411 ± 4.505 χ^2/NDF : 5.8/18

Right Out: -4.985 ± 6.727 χ^2/NDF : 21.3/18

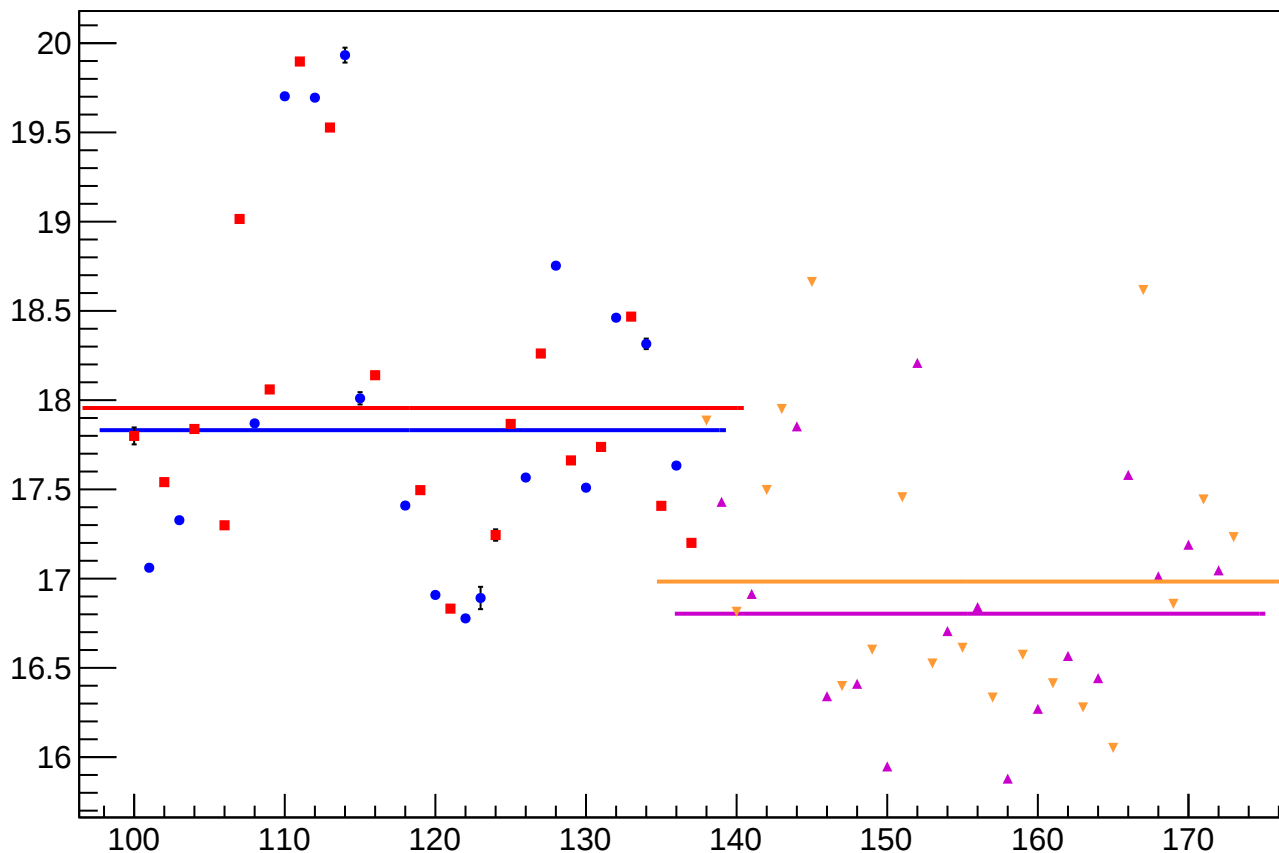
Left In: -3.810 ± 4.624 χ^2/NDF : 17.3/16

+ sign 2.639 ± 3.775 χ^2/NDF : 15.4/35

All: -0.742 ± 2.682 χ^2/NDF : 55.7/71

- sign -4.187 ± 3.811 χ^2/NDF : 38.7/35

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 16.984 $\pm$ 0.003 χ^2 /NDF: 52689.9/18

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

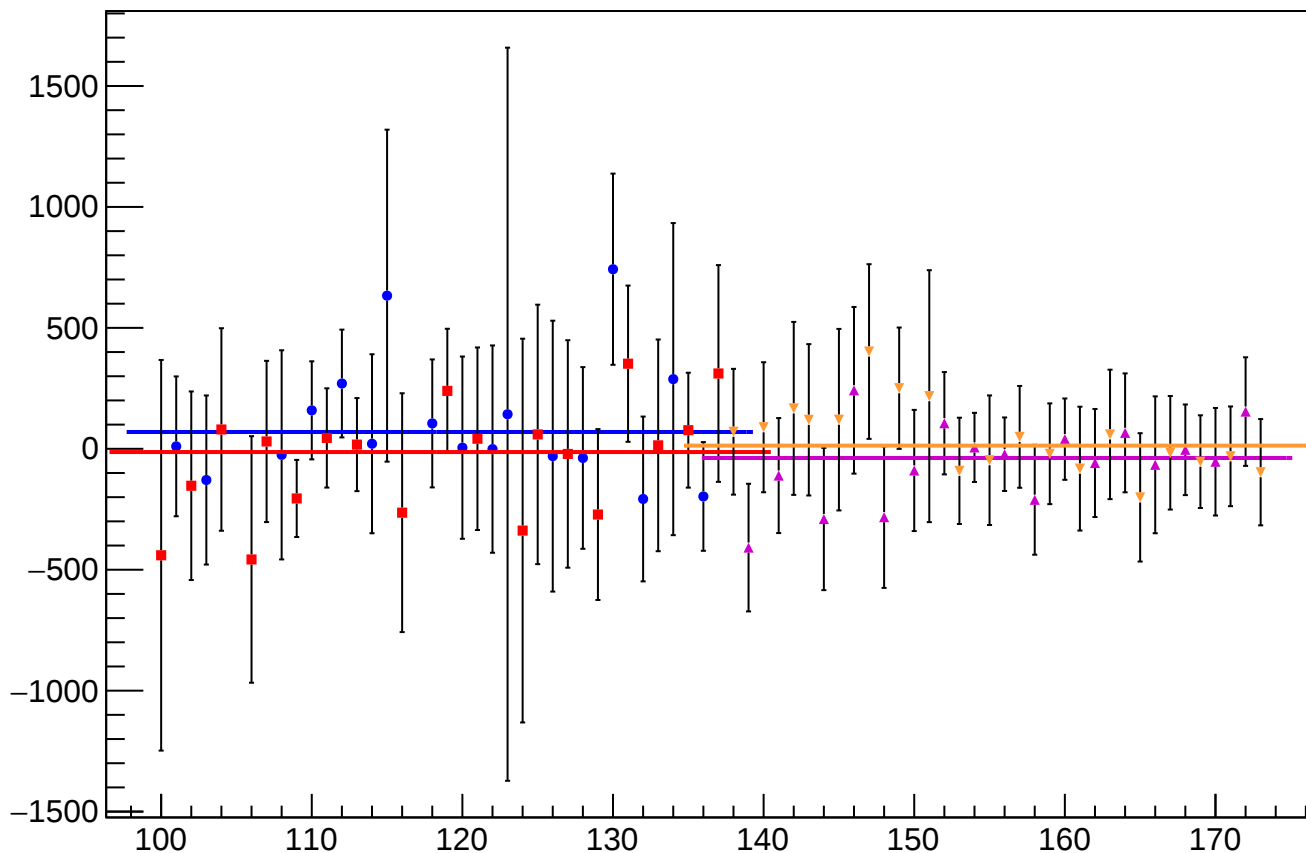
Left In: 16.803 $\pm$ 0.003 χ^2 /NDF: 36561.9/16

+ sign 17.236 $\pm$ 0.003 χ^2 /NDF: 104672.1/35

All: 17.205 $\pm$ 0.002 χ^2 /NDF: 206828.8/71

- sign 17.173 $\pm$ 0.003 χ^2 /NDF: 101880.1/35

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 13.146 $\pm$ 58.287 χ^2 /NDF: 4.3/18

Right Out: -13.410 $\pm$ 71.041 χ^2 /NDF: 6.7/18

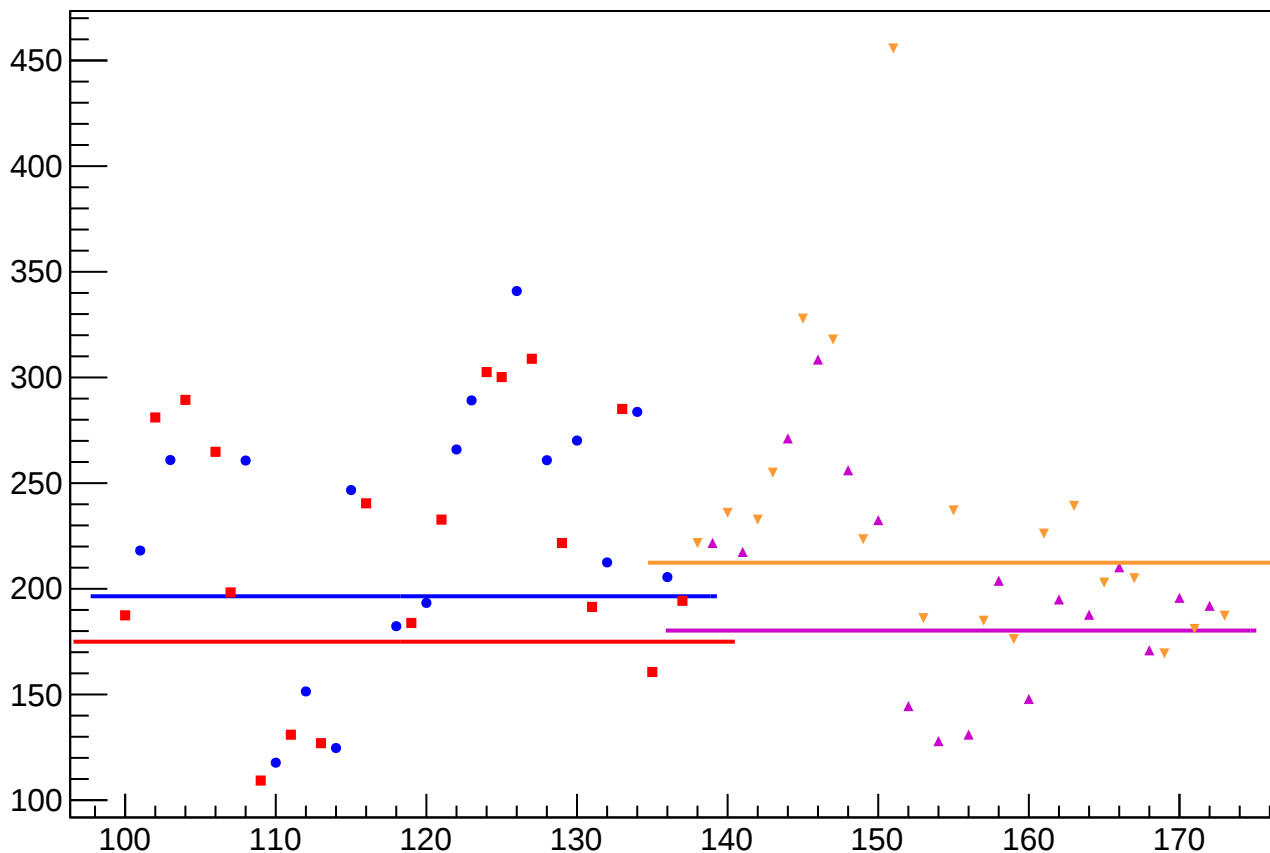
Left In: -37.976 $\pm$ 52.226 χ^2 /NDF: 6.5/16

+ sign 32.517 $\pm$ 47.221 χ^2 /NDF: 12.0/35

All: -1.972 $\pm$ 31.415 χ^2 /NDF: 26.3/71

- sign -29.358 $\pm$ 42.079 χ^2 /NDF: 13.3/35

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 212.359 $\pm$ 0.041 χ^2 /NDF:1205479.0/18

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

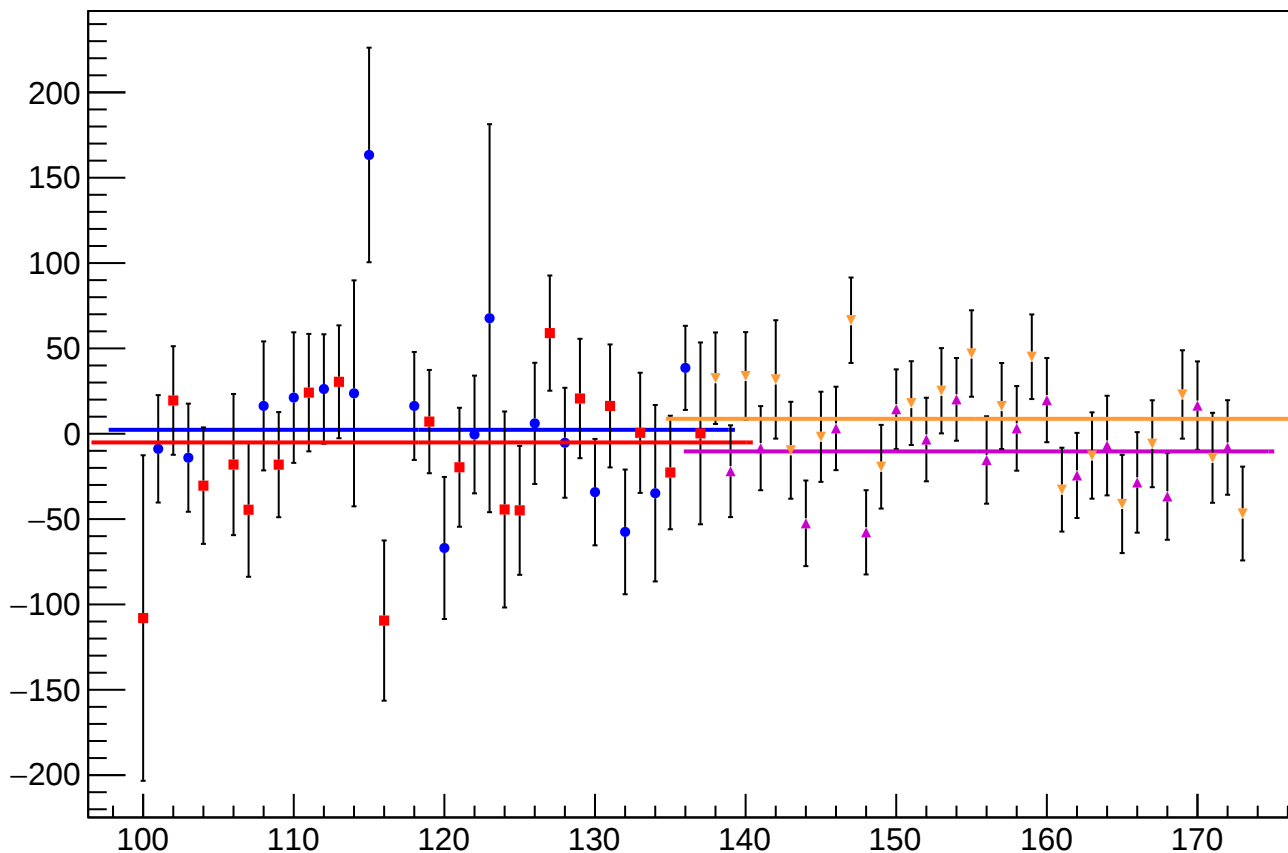
Left In: 180.240 $\pm$ 0.037 χ^2 /NDF:1471497.0/16

+ sign 206.898 $\pm$ 0.033 χ^2 /NDF: 2220832.8/35

All: 191.011 $\pm$ 0.022 χ^2 /NDF: 5616730.7/71

- sign 178.395 $\pm$ 0.030 χ^2 /NDF: 2989712.9/35

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 8.749 ± 5.985 $\chi^2/\text{NDF}: 26.5/18$

Right Out: -5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

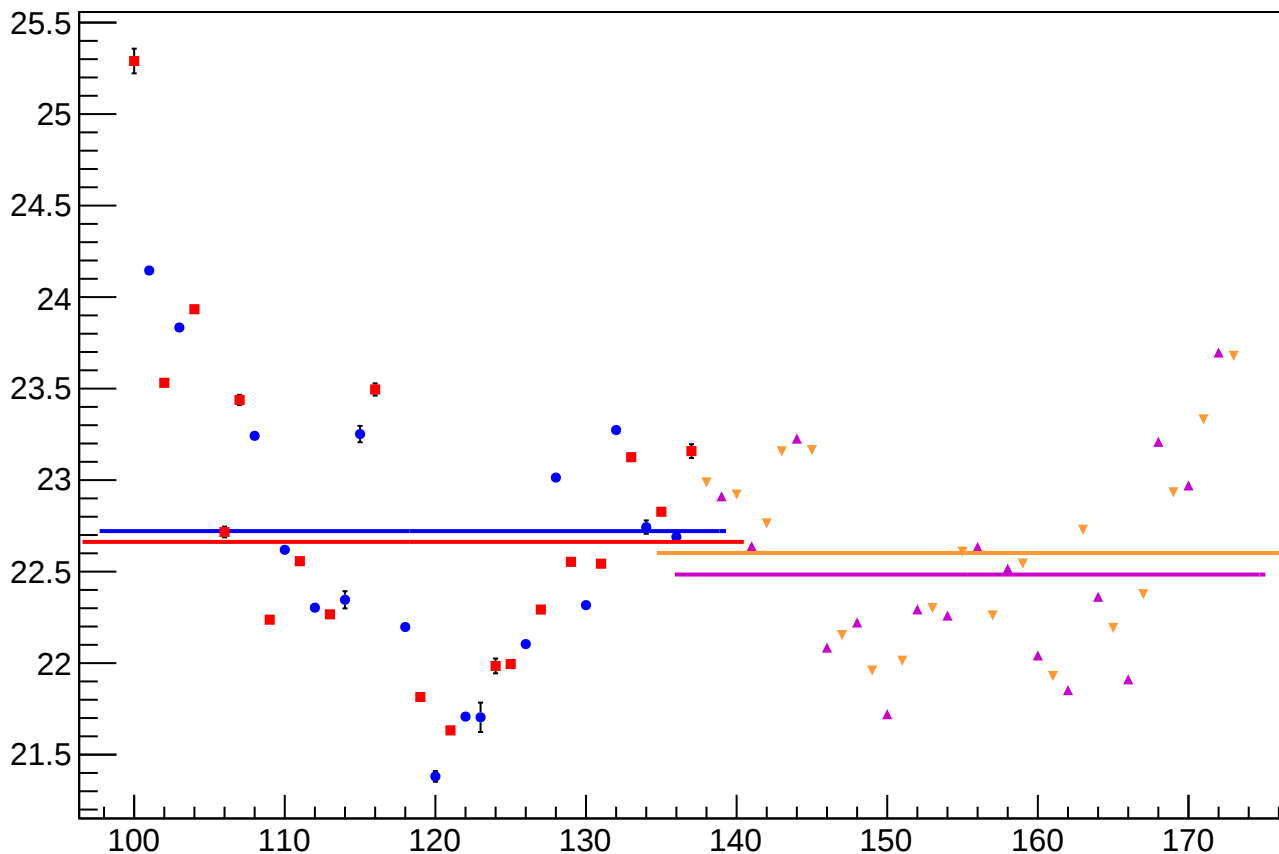
Left In: -10.347 ± 6.176 $\chi^2/\text{NDF}: 14.5/16$

+ sign 6.714 ± 4.950 $\chi^2/\text{NDF}: 45.0/35$

All: -0.840 ± 3.515 $\chi^2/\text{NDF}: 81.6/71$

- sign -8.525 ± 4.992 $\chi^2/\text{NDF}: 31.9/35$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.602 $\pm$ 0.004 χ^2 /NDF:13313.1/18

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

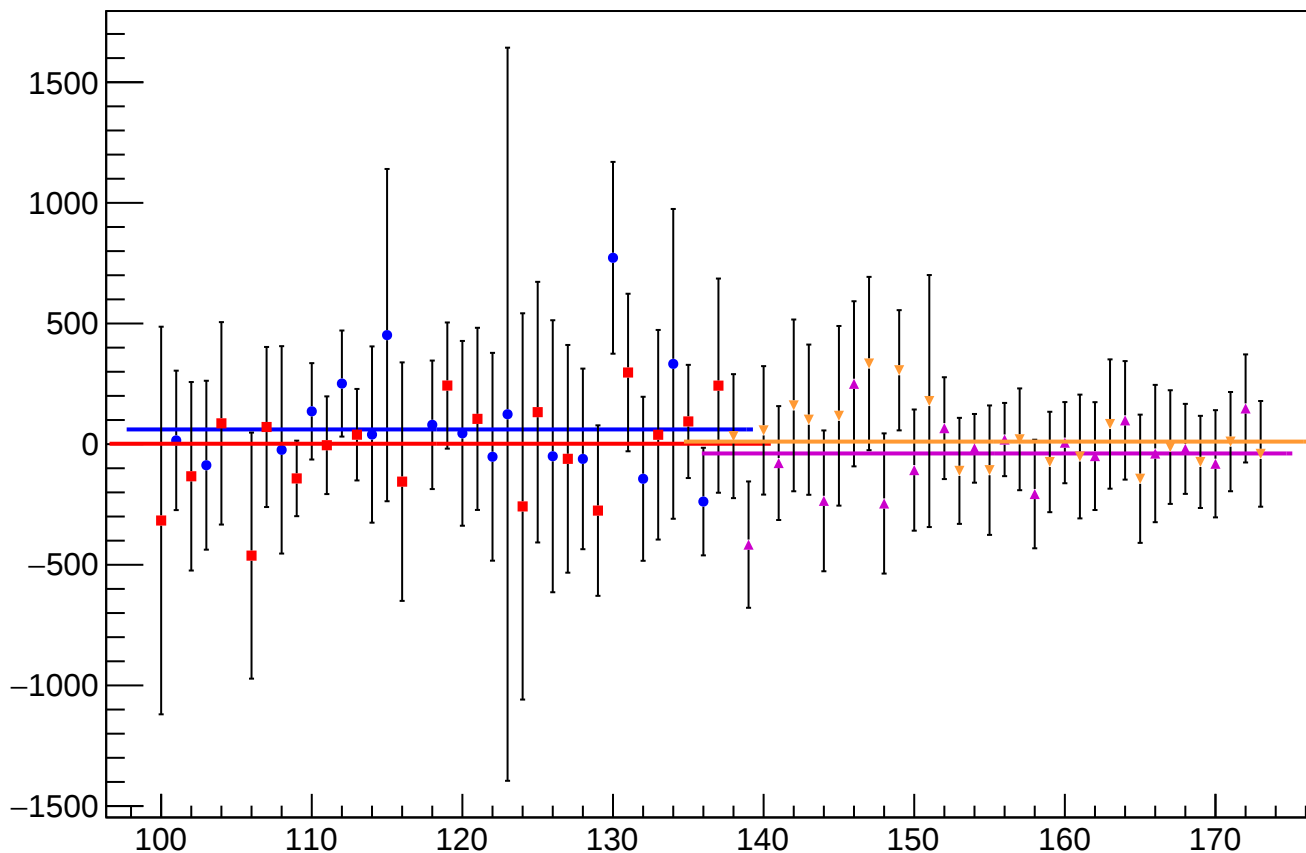
Left In: 22.484 $\pm$ 0.004 χ^2 /NDF:14482.4/16

+ sign 22.640 $\pm$ 0.003 χ^2 /NDF: 27145.9/35

All: 22.593 $\pm$ 0.002 χ^2 /NDF: 55518.3/71

- sign 22.546 $\pm$ 0.004 χ^2 /NDF: 28016.1/35

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 10.541 $\pm$ 58.161 χ^2 /NDF: 4.1/18

Right Out: 1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

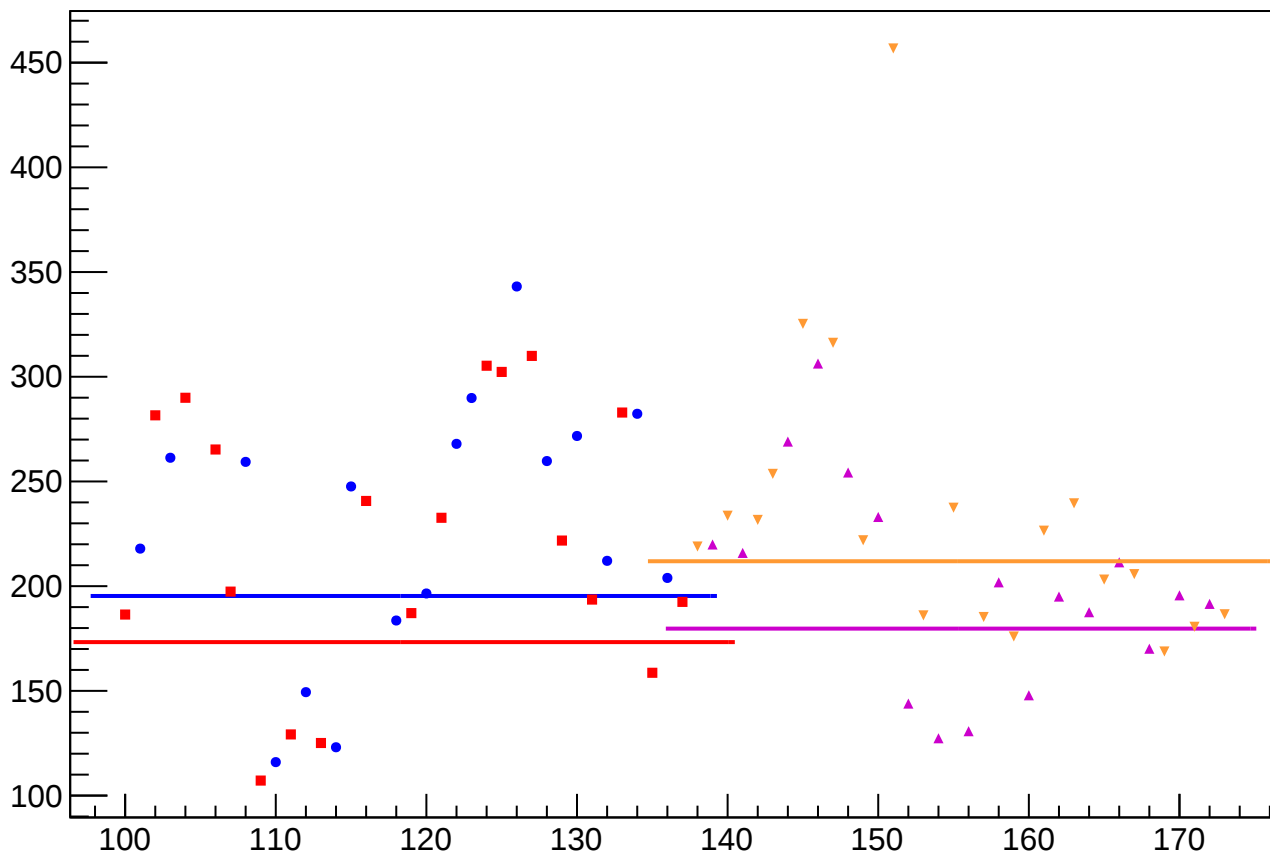
Left In: -38.590 $\pm$ 52.079 χ^2 /NDF: 6.0/16

+ sign 27.919 $\pm$ 47.083 χ^2 /NDF: 11.6/35

All: -1.276 $\pm$ 31.300 χ^2 /NDF: 23.6/71

- sign -24.397 $\pm$ 41.899 χ^2 /NDF: 11.3/35

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 211.902 $\pm$ 0.041 χ^2 /NDF:1197552.9/18

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

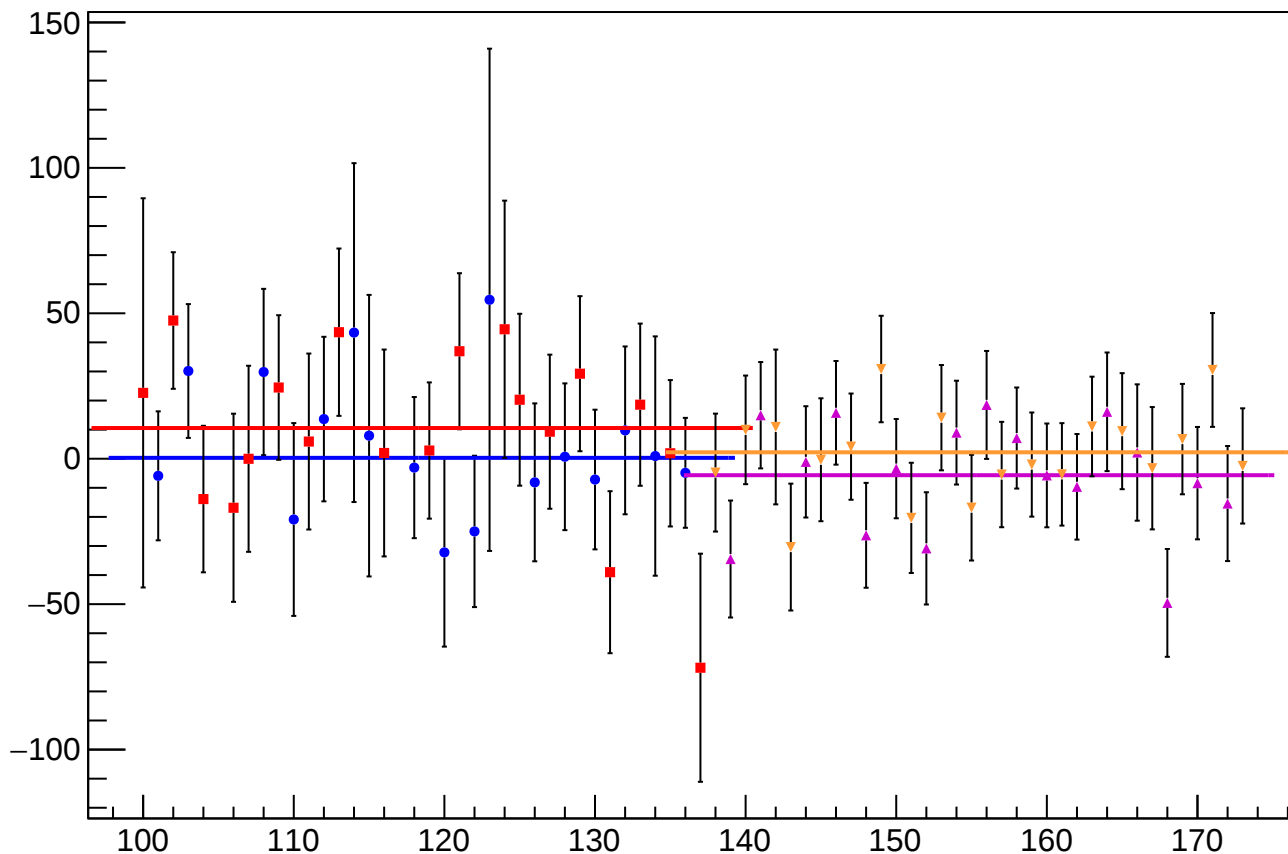
Left In: 179.728 $\pm$ 0.037 χ^2 /NDF:1461589.2/16

+ sign 206.185 $\pm$ 0.033 χ^2 /NDF: 2257825.8/35

All: 190.152 $\pm$ 0.022 χ^2 /NDF: 5724161.4/71

- sign 177.456 $\pm$ 0.030 χ^2 /NDF: 3050769.4/35

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: 2.215 ± 4.410 χ^2/NDF : 11.1/18

Right Out: 10.553 ± 6.628 χ^2/NDF : 16.0/18

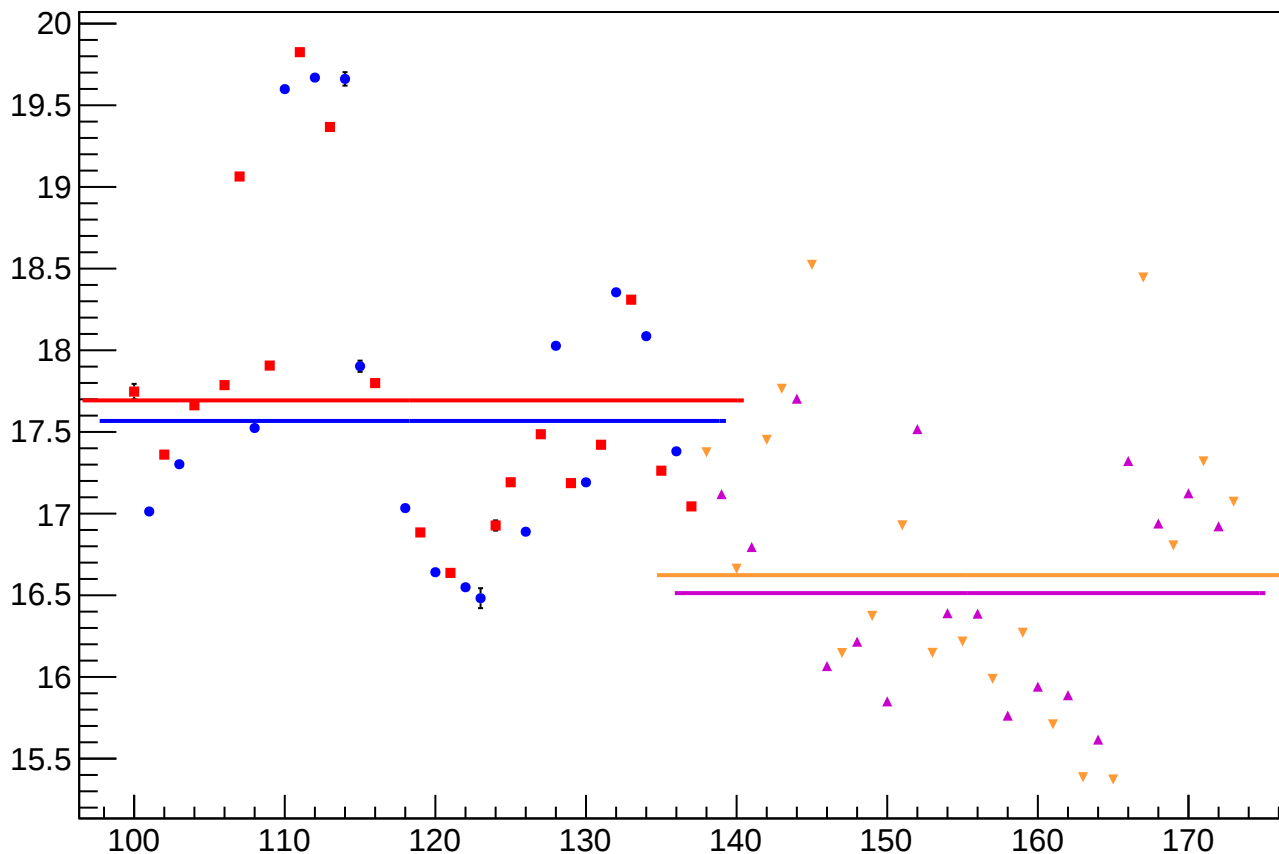
Left In: -5.667 ± 4.543 χ^2/NDF : 17.9/16

+ sign 1.651 ± 3.702 χ^2/NDF : 18.0/35

All: 0.597 ± 2.634 χ^2/NDF : 56.2/71

- sign -0.482 ± 3.747 χ^2/NDF : 38.1/35

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.623 $\pm$ 0.003 χ^2 /NDF: 76657.6/18

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

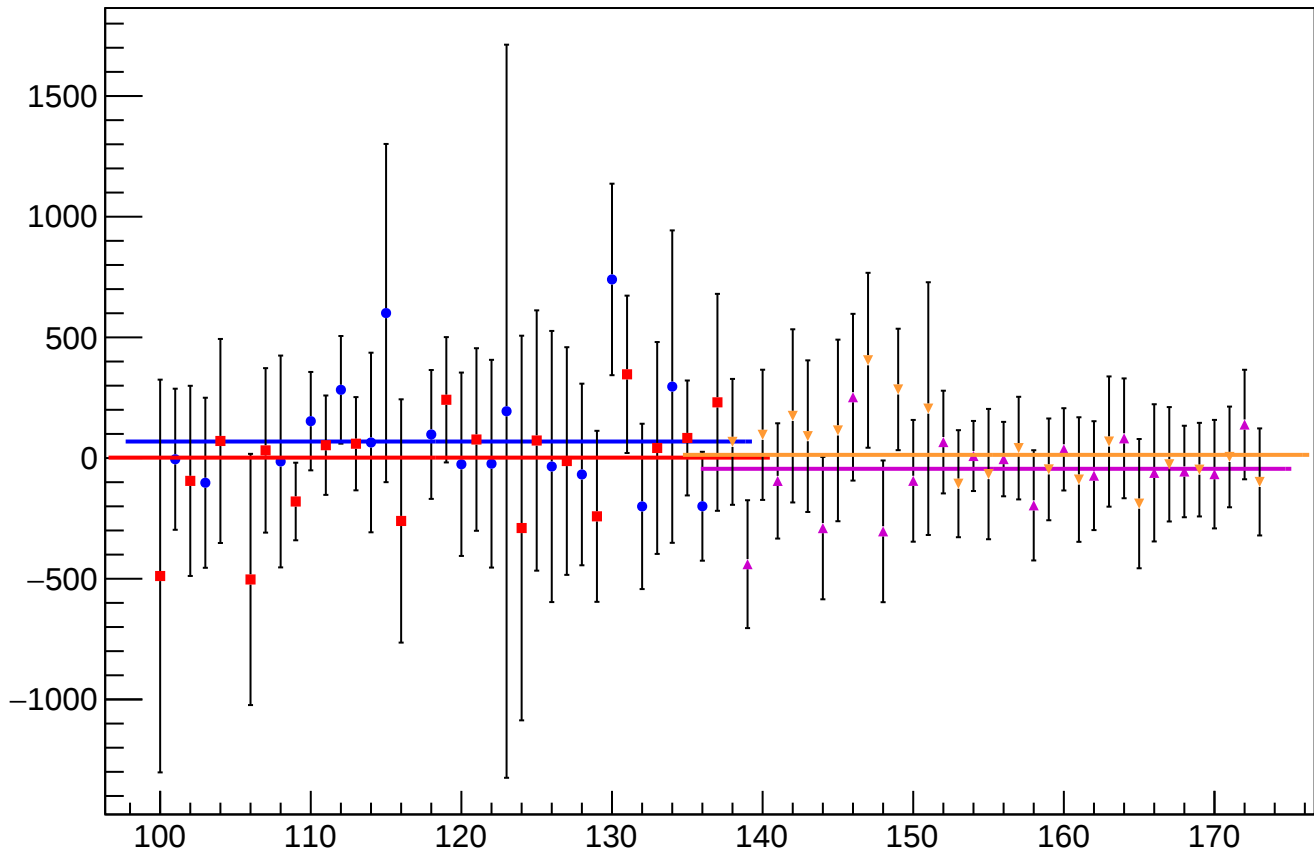
Left In: 16.513 $\pm$ 0.003 χ^2 /NDF: 38784.9/16

+ sign 16.902 $\pm$ 0.003 χ^2 /NDF: 136869.5/35

All: 16.896 $\pm$ 0.002 χ^2 /NDF: 249544.7/71

- sign 16.891 $\pm$ 0.003 χ^2 /NDF: 112665.5/35

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553 ± 81.018 χ^2/NDF : 7.3/16

Left Out: 13.280 ± 58.765 χ^2/NDF : 4.6/18

Right Out: 1.831 ± 71.538 χ^2/NDF : 6.1/18

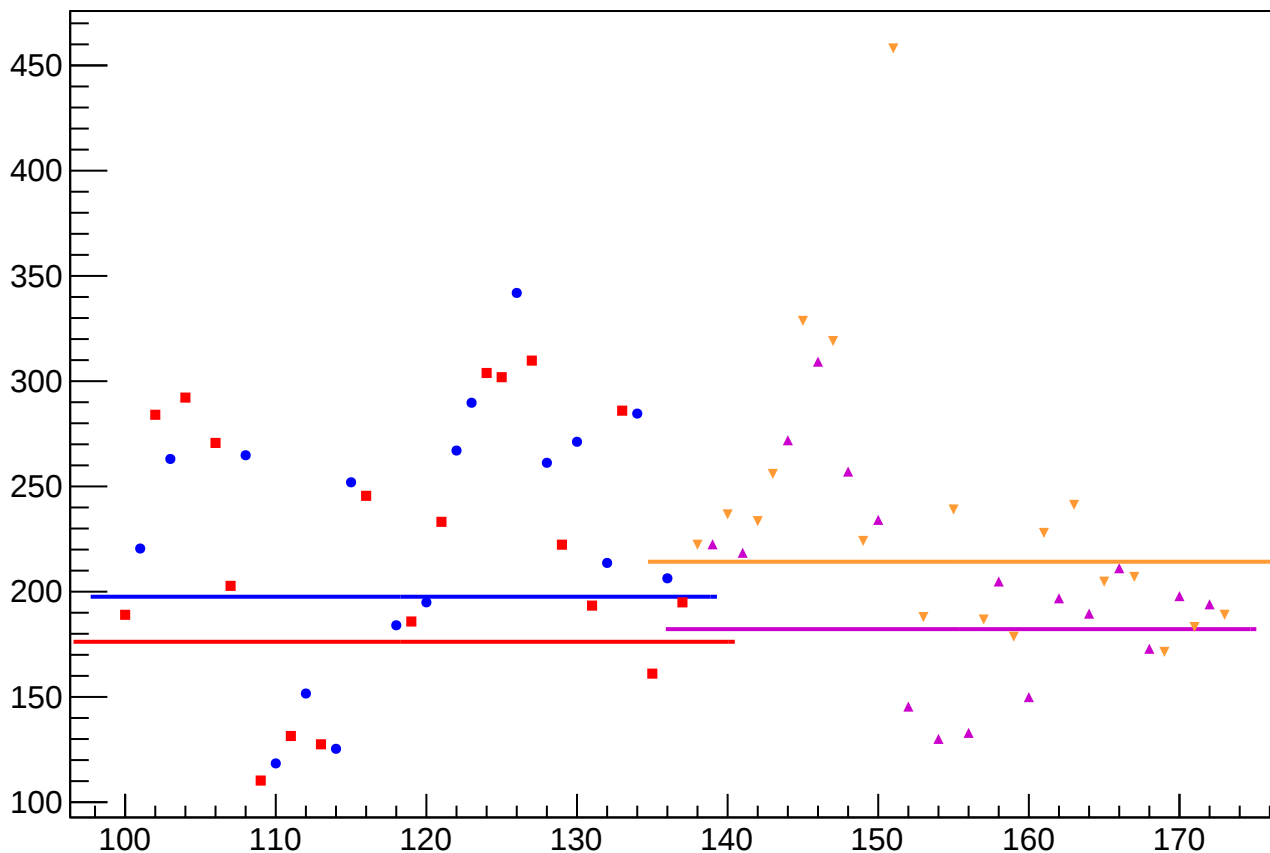
Left In: -44.506 ± 52.743 χ^2/NDF : 6.6/16

+ sign 32.335 ± 47.569 χ^2/NDF : 12.2/35

All: -1.356 ± 31.673 χ^2/NDF : 26.1/71

- sign -28.189 ± 42.452 χ^2/NDF : 13.0/35

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 214.237 $\pm$ 0.042 χ^2 /NDF: 1179154.1/18

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

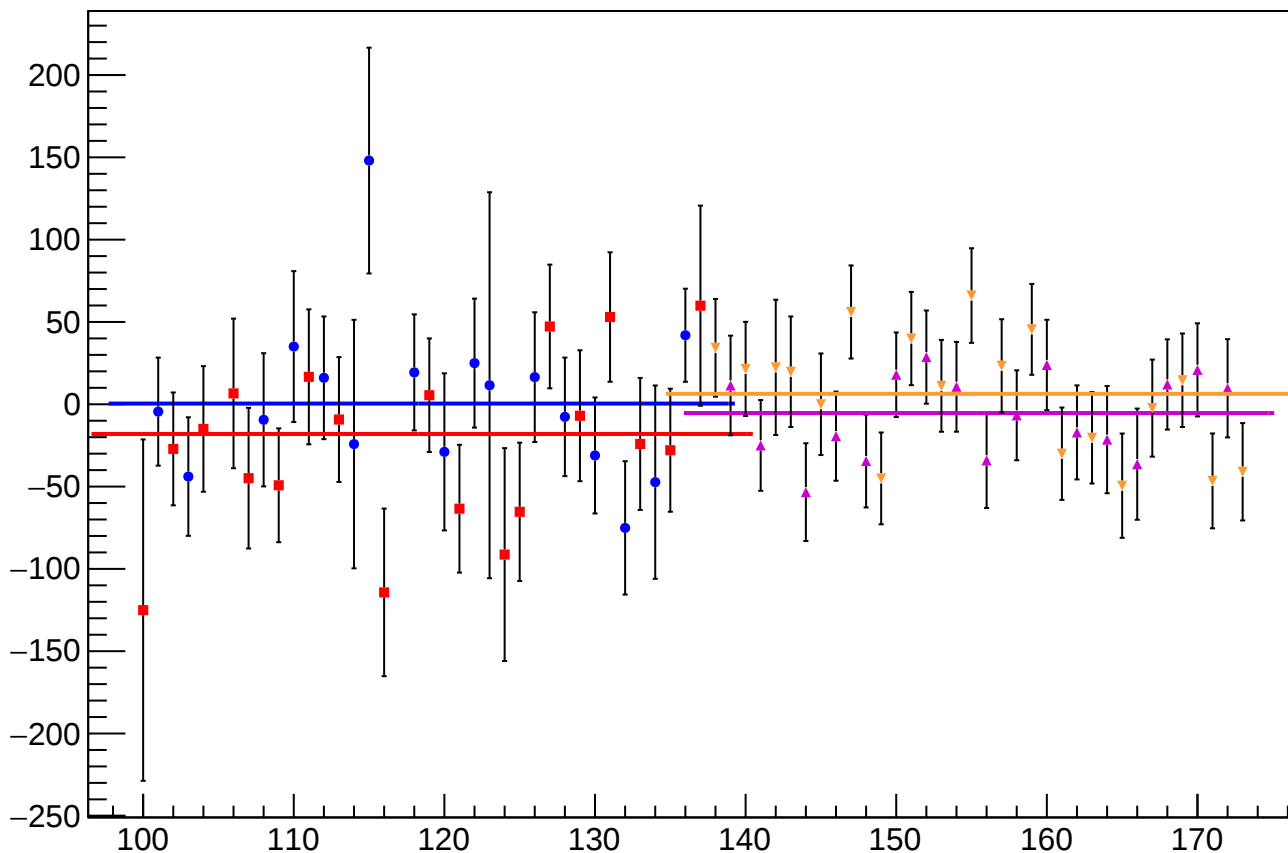
Left In: 182.211 $\pm$ 0.037 χ^2 /NDF: 1426950.5/16

+ sign 208.503 $\pm$ 0.034 χ^2 /NDF: 2203223.9/35

All: 192.689 $\pm$ 0.022 χ^2 /NDF: 5556212.9/71

- sign 180.095 $\pm$ 0.030 χ^2 /NDF: 2955928.1/35

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 6.350 ± 6.738 χ^2/NDF : 27.9/18

Right Out: -18.044 ± 9.499 χ^2/NDF : 19.5/18

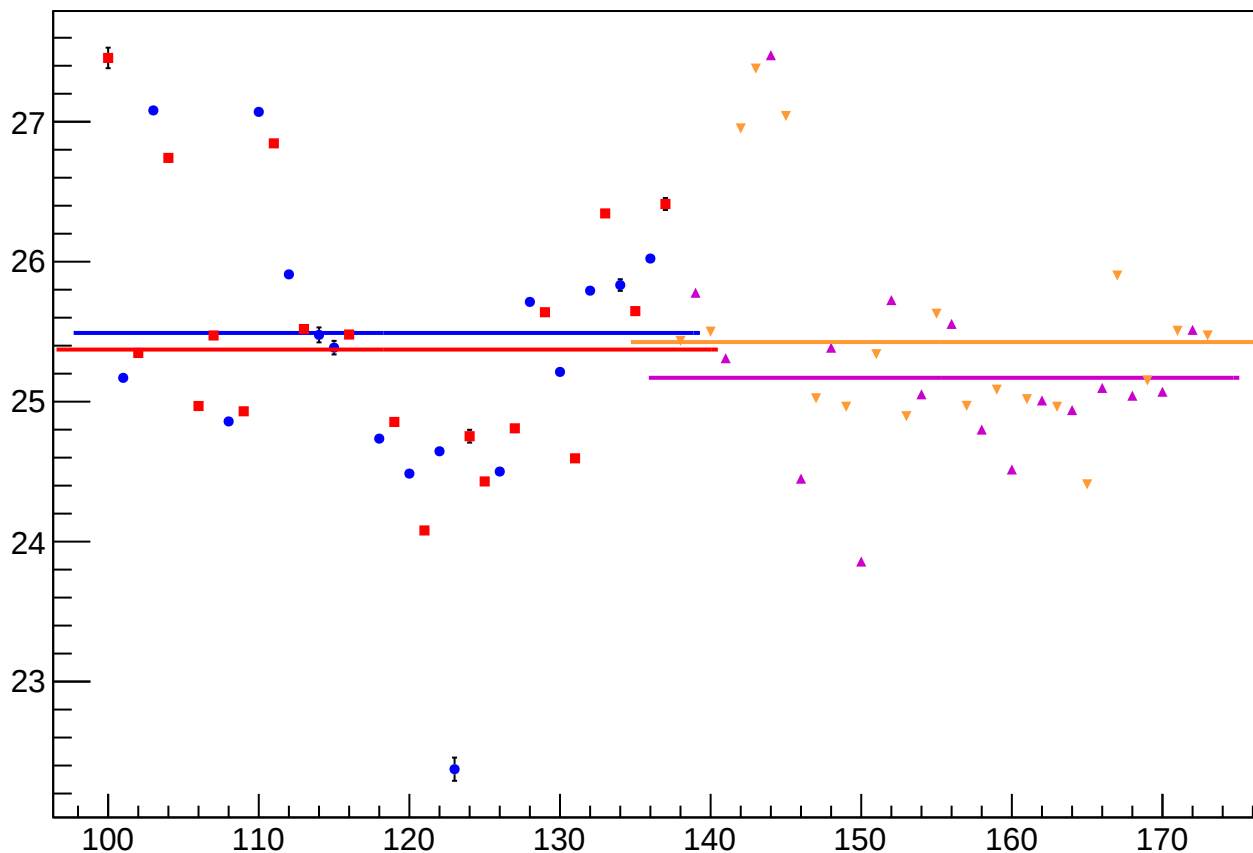
Left In: -5.332 ± 6.921 χ^2/NDF : 12.3/16

+ sign 4.471 ± 5.568 χ^2/NDF : 43.6/35

All: -2.602 ± 3.946 χ^2/NDF : 79.8/71

- sign -9.740 ± 5.594 χ^2/NDF : 32.9/35

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 $\pm$ 0.007 χ^2/NDF : 13713.0/16

Left Out: 25.426 $\pm$ 0.005 χ^2/NDF : 21397.9/18

Right Out: 25.372 $\pm$ 0.007 χ^2/NDF : 13550.5/18

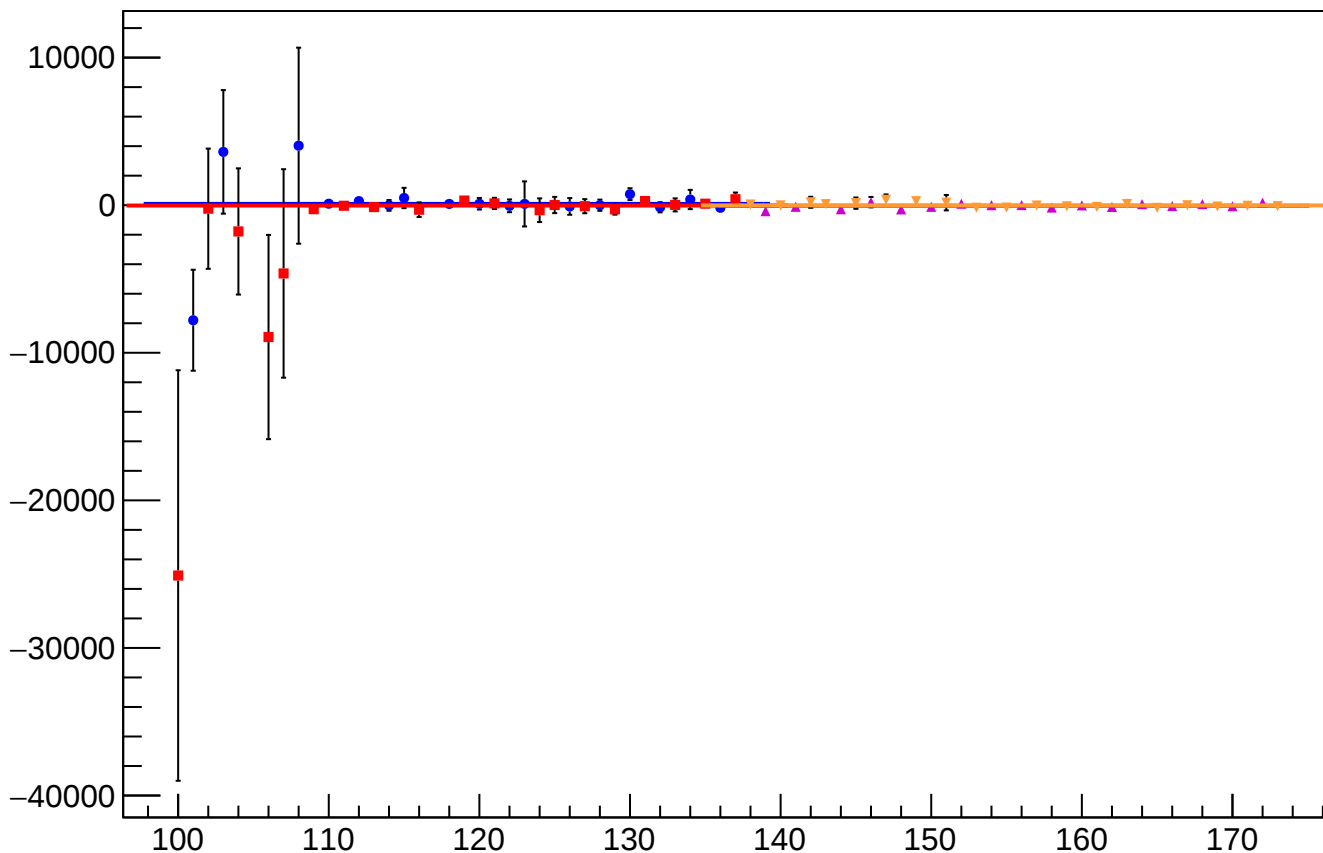
Left In: 25.170 $\pm$ 0.005 χ^2/NDF : 22842.6/16

+ sign 25.446 $\pm$ 0.004 χ^2/NDF : 35170.1/35

All: 25.344 $\pm$ 0.003 χ^2/NDF : 73516.5/71

- sign 25.240 $\pm$ 0.004 χ^2/NDF : 36982.7/35

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: -16.331+/-59.166 χ^2/NDF : 4.7/18

Right Out: -23.352+/-80.948 χ^2/NDF : 11.9/18

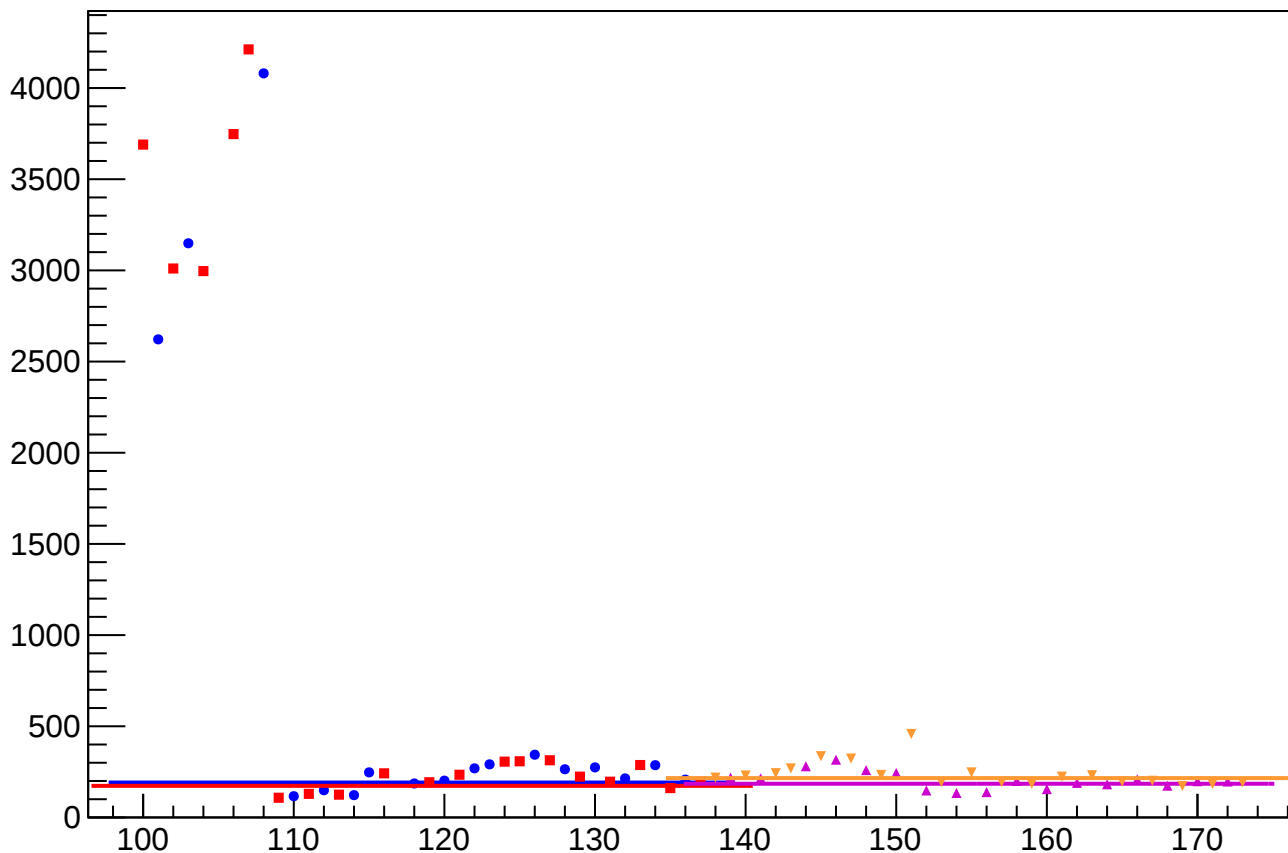
Left In: -37.652+/-53.360 χ^2/NDF : 6.3/16

+ sign 15.488+/-49.173 χ^2/NDF : 18.2/35

All: -11.317+/-33.016 χ^2/NDF : 37.0/71

- sign -33.320+/-44.552 χ^2/NDF : 18.3/35

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 215.817+/-0.042 χ^2/NDF : 1175494.2/18

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

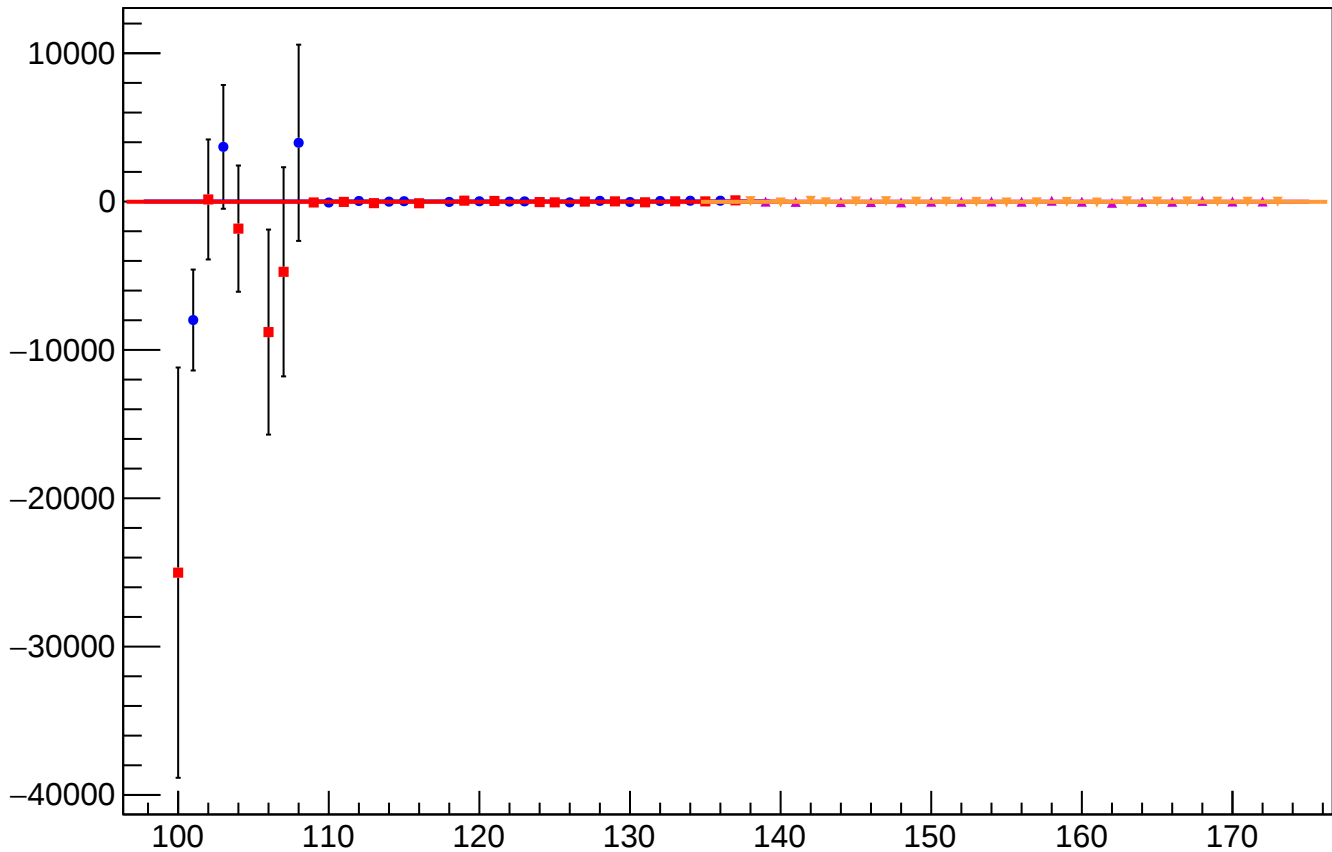
Left In: 184.809+/-0.038 χ^2/NDF : 1319501.8/16

+ sign 208.290+/-0.035 χ^2/NDF : 4853317.8/35

All: 193.480+/-0.023 χ^2/NDF : 10738797.2/71

- sign 181.322+/-0.032 χ^2/NDF : 5555122.9/35

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -16.609+/-7.665 χ^2/NDF : 16.7/18

Right Out: -12.668+/-12.232 χ^2/NDF : 24.8/18

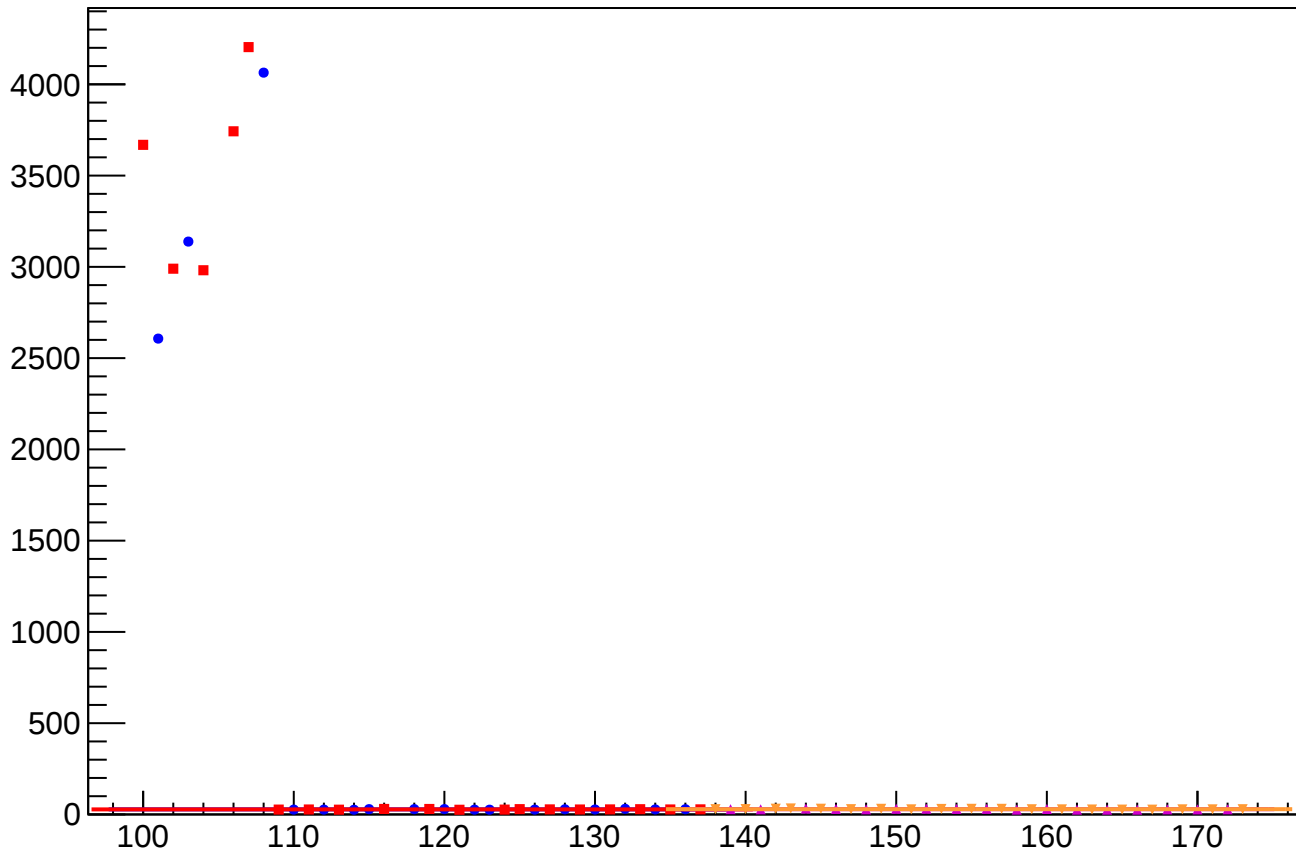
Left In: -6.855+/-7.945 χ^2/NDF : 17.6/16

+ sign -9.070+/-6.503 χ^2/NDF : 38.6/35

All: -8.831+/-4.654 χ^2/NDF : 81.2/71

- sign -8.580+/-6.663 χ^2/NDF : 42.6/35

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 28.866+/-0.005 χ^2/NDF : 96649.0/18

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

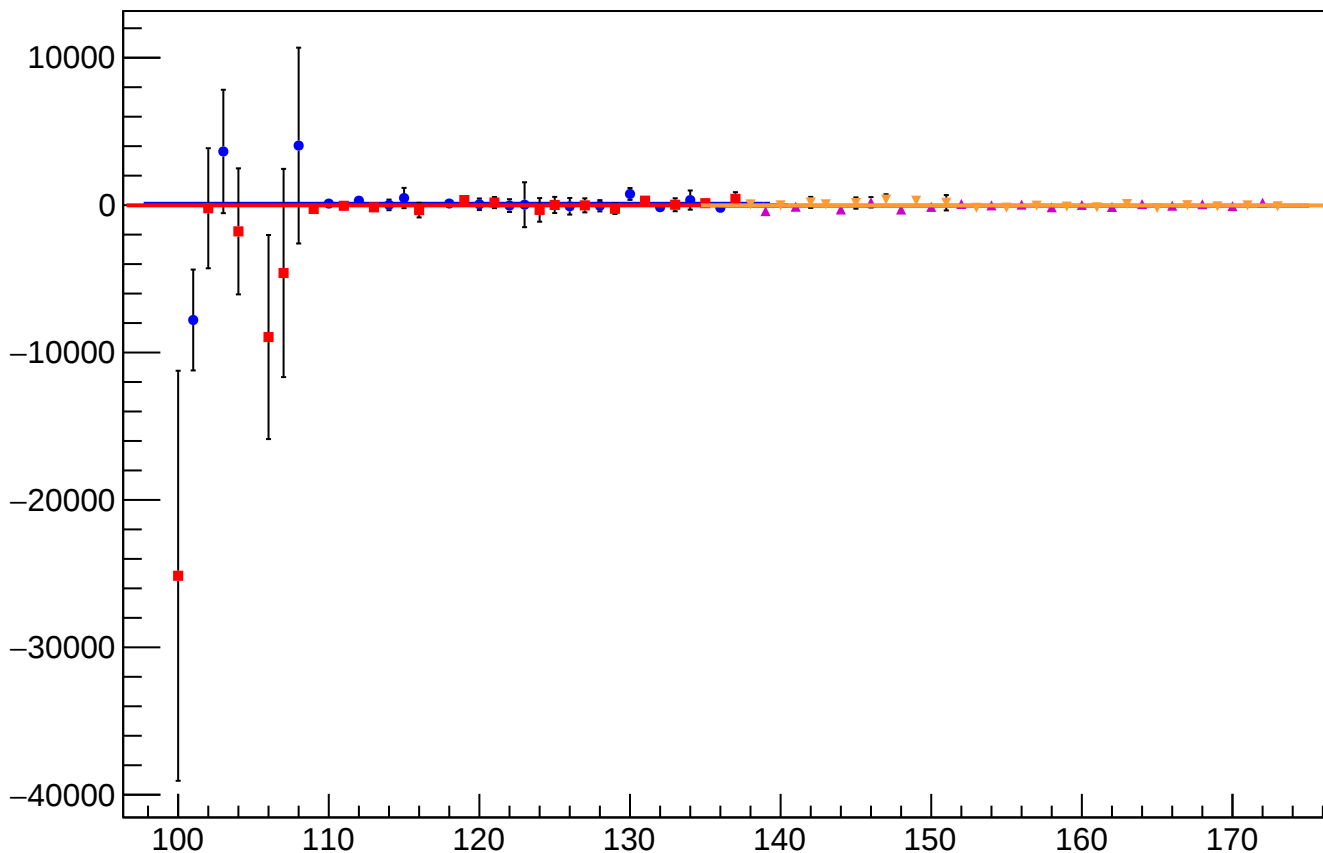
Left In: 28.819+/-0.006 χ^2/NDF : 111324.9/16

+ sign 28.582+/-0.005 χ^2/NDF : 3134072.9/35

All: 28.535+/-0.003 χ^2/NDF : 6734344.5/71

- sign 28.485+/-0.005 χ^2/NDF : 3600053.5/35

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: -20.744+/-59.038 χ^2/NDF : 5.4/18

Right Out: -13.341+/-80.686 χ^2/NDF : 12.7/18

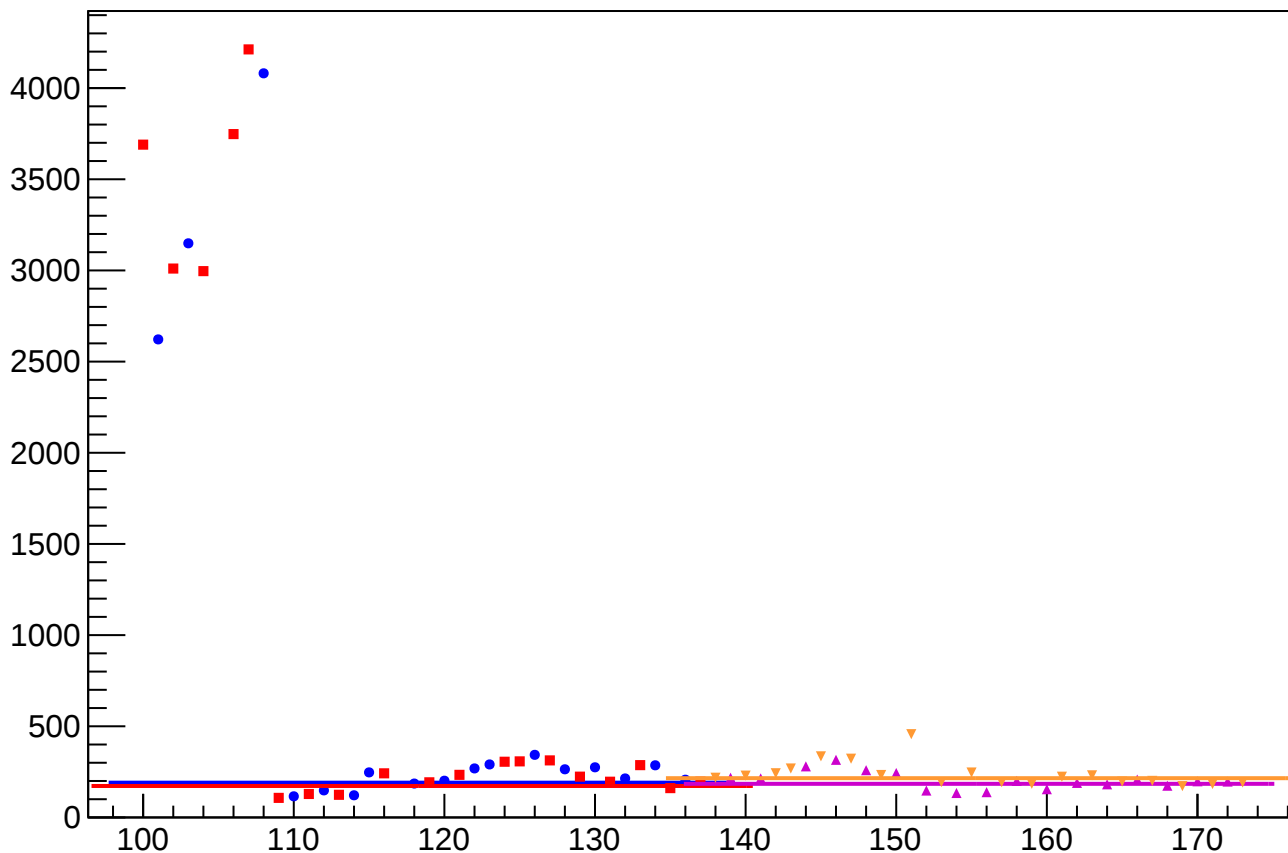
Left In: -36.341+/-53.256 χ^2/NDF : 6.4/16

+ sign 13.790+/-49.053 χ^2/NDF : 19.2/35

All: -9.906+/-32.937 χ^2/NDF : 38.8/71

- sign -29.362+/-44.447 χ^2/NDF : 19.1/35

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 215.356+/-0.042 χ^2/NDF : 1175149.6/18

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

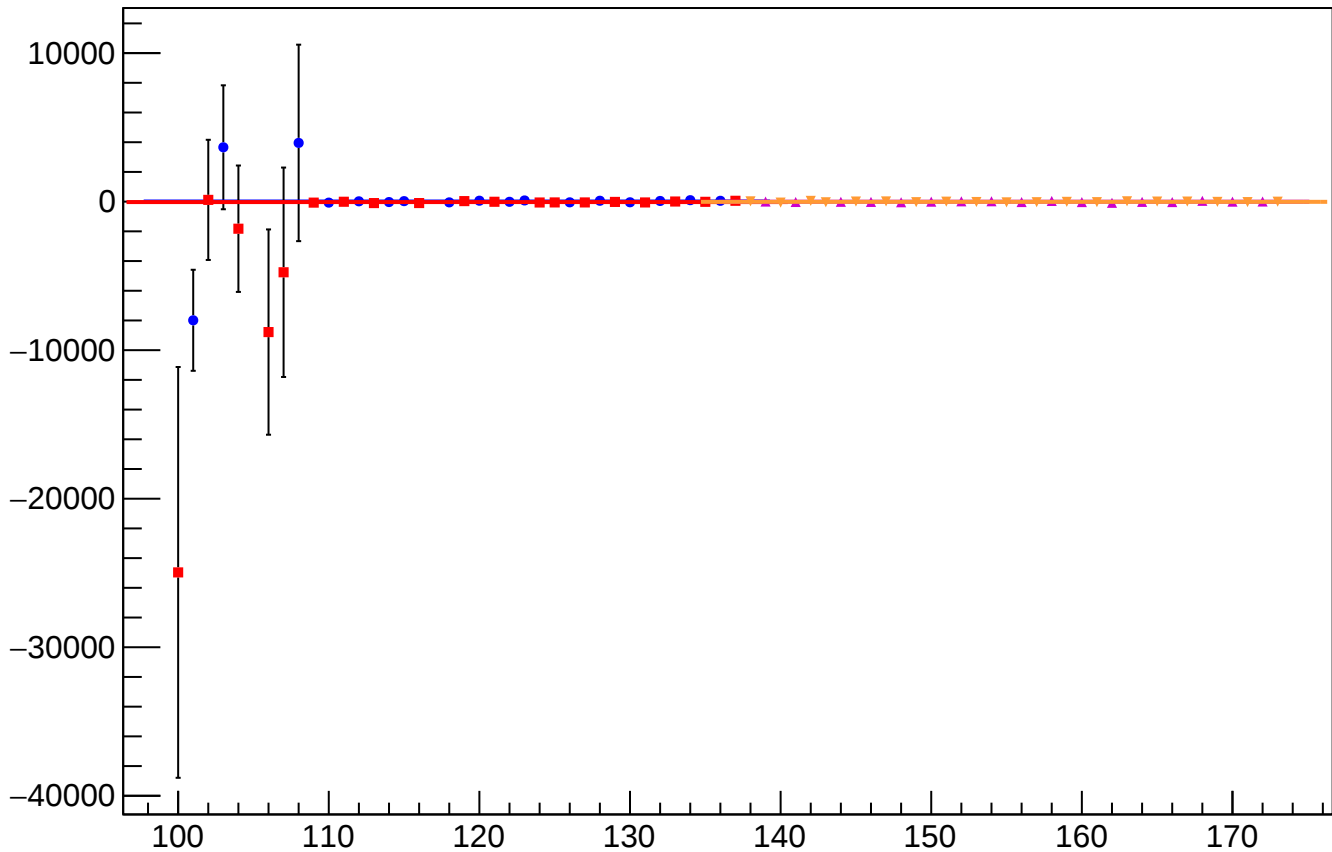
Left In: 184.452+/-0.038 χ^2/NDF : 1319240.3/16

+ sign 207.742+/-0.035 χ^2/NDF : 4867593.9/35

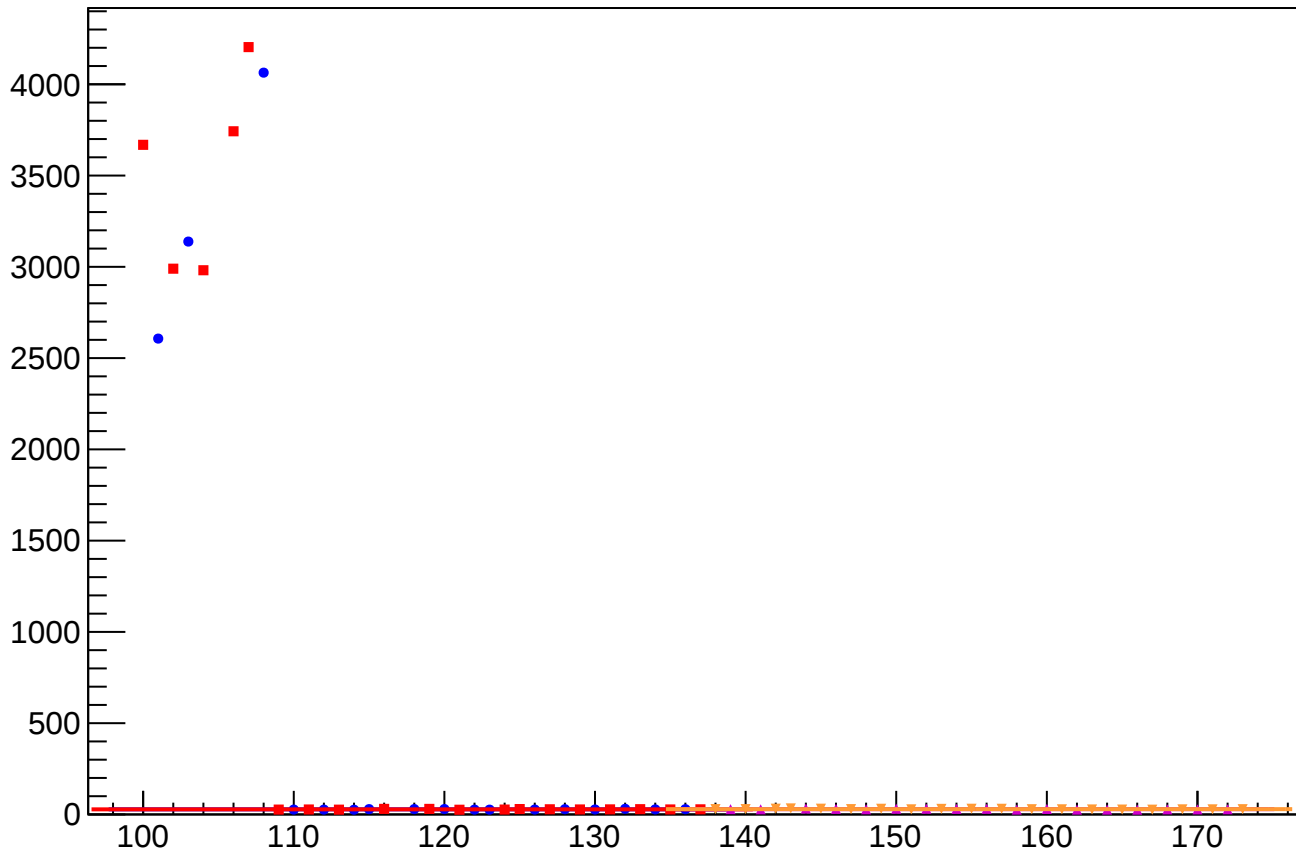
All: 192.983+/-0.023 χ^2/NDF : 10765110.5/71

- sign 180.864+/-0.031 χ^2/NDF : 5567775.7/35

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 29.059 $\pm$ 0.005 χ^2 /NDF: 102273.2/18

Right Out: 27.918 $\pm$ 0.009 χ^2 /NDF: 3479690.8/18

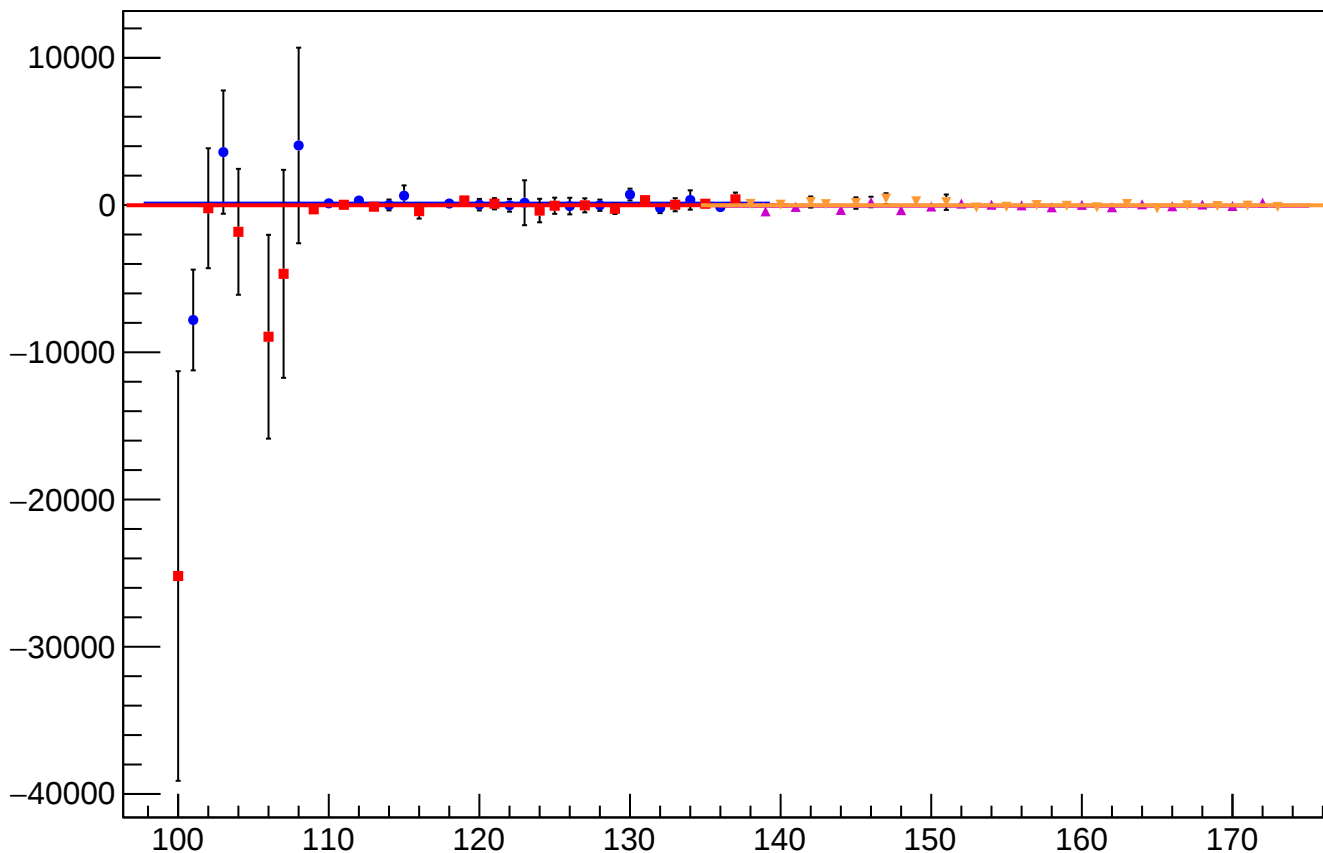
Left In: 28.991 $\pm$ 0.006 χ^2 /NDF: 112352.0/16

+ sign 28.774 $\pm$ 0.005 χ^2 /NDF: 3139868.0/35

All: 28.725 $\pm$ 0.003 χ^2 /NDF: 6742811.4/71

- sign 28.674 $\pm$ 0.005 χ^2 /NDF: 3602713.1/35

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: -14.045+/-59.747 χ^2/NDF : 5.3/18

Right Out: -11.728+/-81.772 χ^2/NDF : 12.3/18

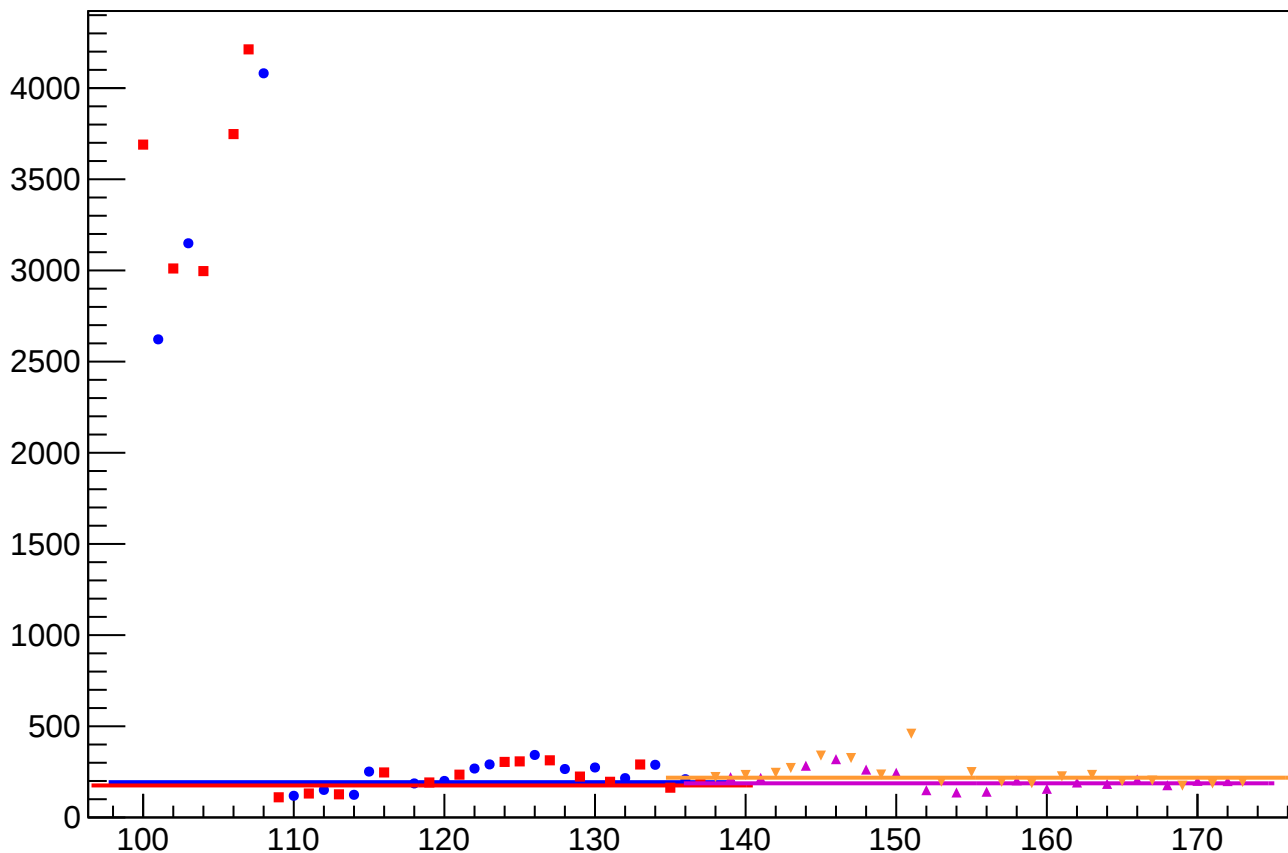
Left In: -44.019+/-54.005 χ^2/NDF : 7.0/16

+ sign 20.698+/-49.641 χ^2/NDF : 18.9/35

All: -9.405+/-33.366 χ^2/NDF : 39.0/71

- sign -34.212+/-45.064 χ^2/NDF : 19.3/35

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516 $\pm$ 0.063 χ^2 /NDF: 3536947.8/16

Left Out: 218.056 $\pm$ 0.042 χ^2 /NDF: 1161259.0/18

Right Out: 175.509 $\pm$ 0.058 χ^2 /NDF: 4165575.9/18

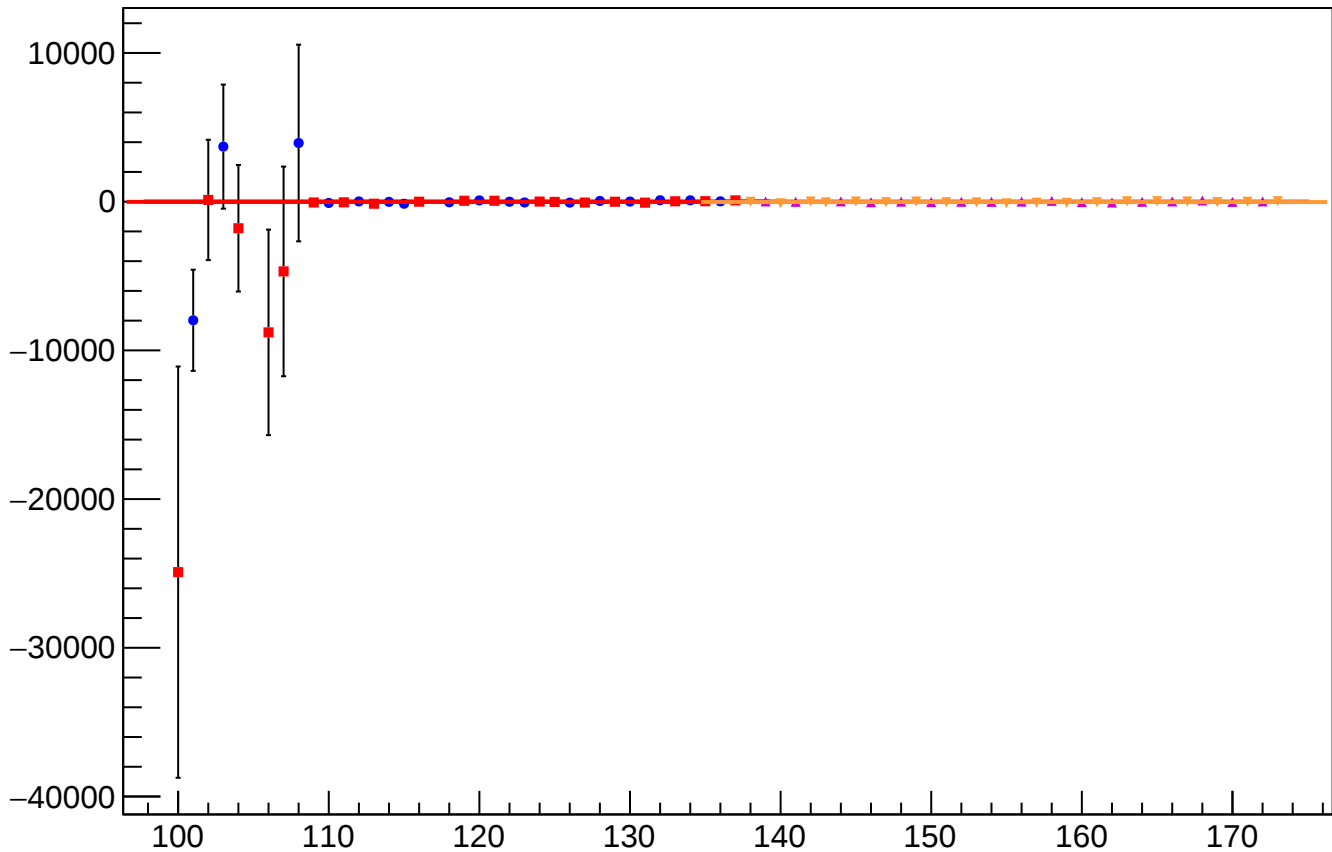
Left In: 187.217 $\pm$ 0.038 χ^2 /NDF: 1289753.2/16

+ sign 210.456 $\pm$ 0.035 χ^2 /NDF: 4802688.6/35

All: 195.767 $\pm$ 0.024 χ^2 /NDF: 10606005.6/73

- sign 183.662 $\pm$ 0.032 χ^2 /NDF: 5483877.2/35

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -26.422 $\pm$ 9.209 χ^2 /NDF:22.0/18

Right Out: -12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

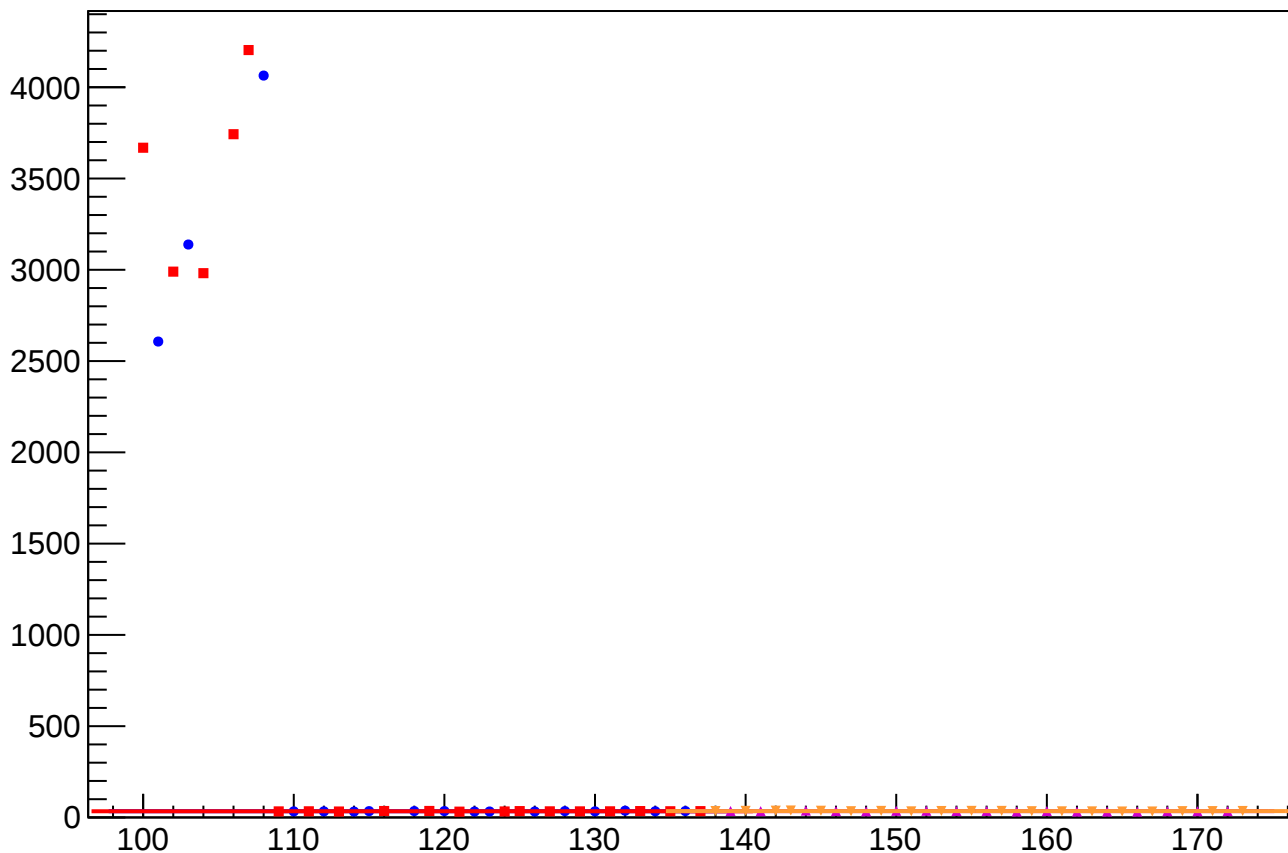
Left In: 3.444 $\pm$ 9.550 χ^2 /NDF:12.0/16

+ sign -17.710 $\pm$ 7.855 χ^2 /NDF: 45.8/35

All: -9.595 $\pm$ 5.622 χ^2 /NDF: 82.7/71

- sign -1.077 $\pm$ 8.048 χ^2 /NDF: 34.7/35

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 34.733 $\pm$ 0.007 χ^2 /NDF: 47405.7/18

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

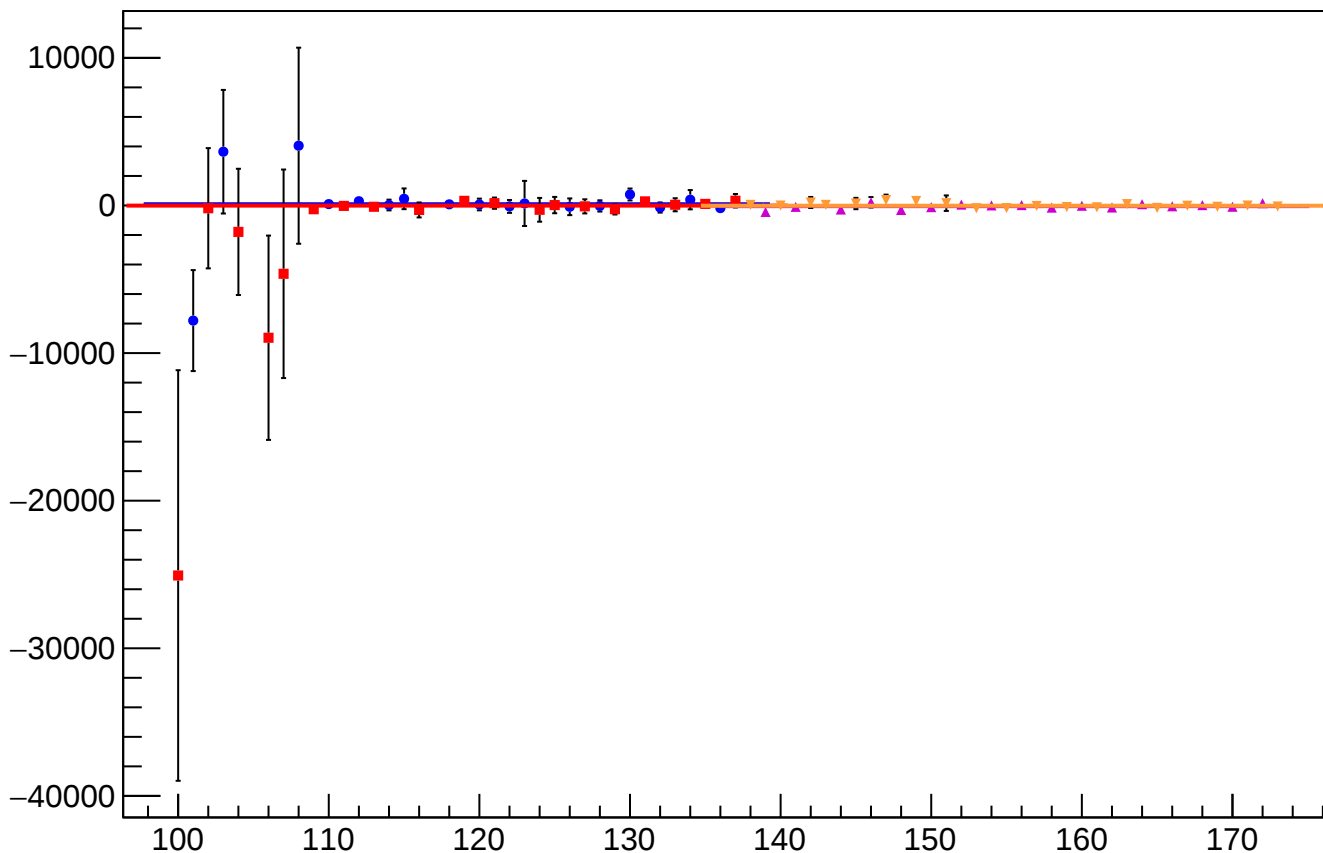
Left In: 34.709 $\pm$ 0.007 χ^2 /NDF: 52025.1/16

+ sign 34.579 $\pm$ 0.006 χ^2 /NDF: 3055975.9/35

All: 34.530 $\pm$ 0.004 χ^2 /NDF: 6564104.4/71

- sign 34.478 $\pm$ 0.006 χ^2 /NDF: 3507967.2/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: -15.999+/-59.625 χ^2/NDF : 5.2/18

Right Out: -8.565+/-81.257 χ^2/NDF : 11.1/18

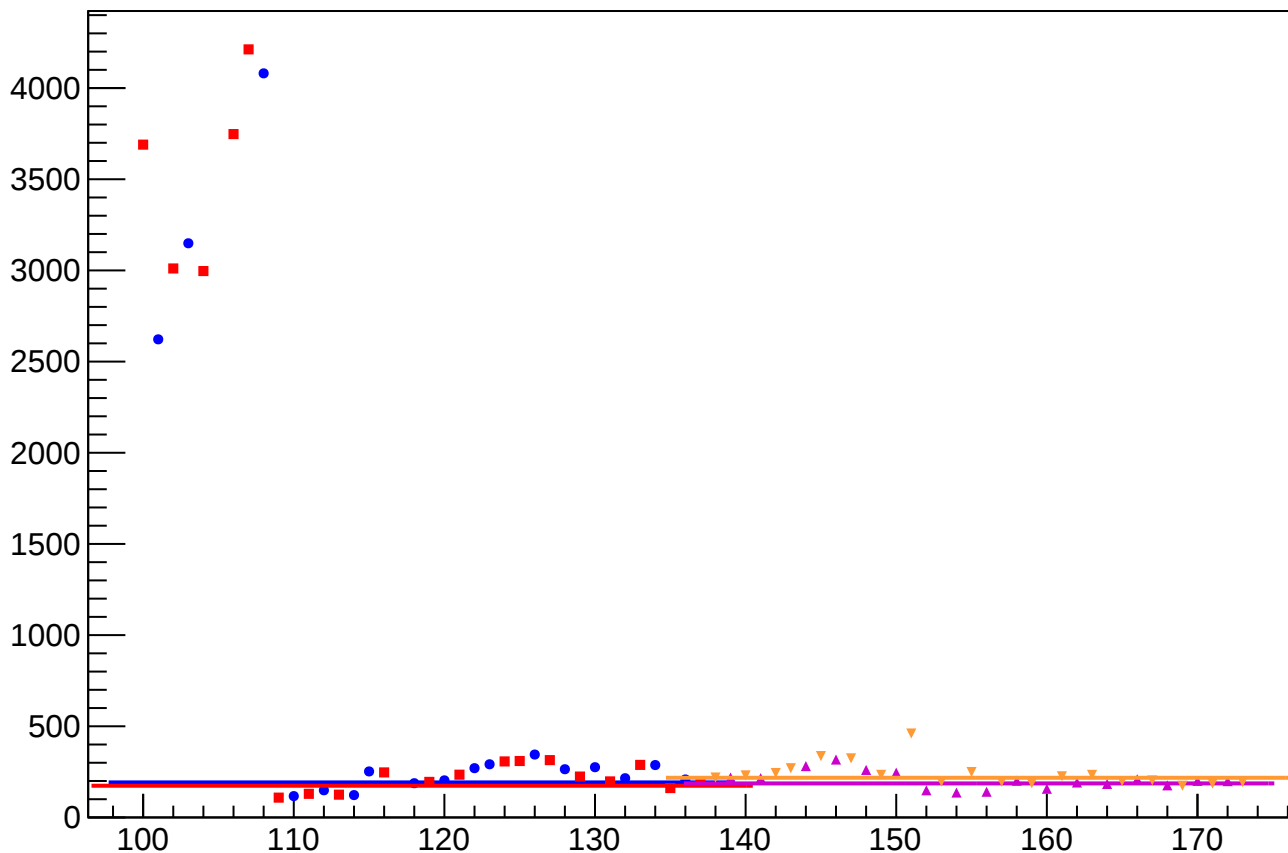
Left In: -44.357+/-53.864 χ^2/NDF : 6.3/16

+ sign 15.259+/-49.492 χ^2/NDF : 18.6/35

All: -11.451+/-33.253 χ^2/NDF : 36.7/71

- sign -33.430+/-44.896 χ^2/NDF : 17.5/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 217.616+/-0.042 χ^2/NDF : 1152925.1/18

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

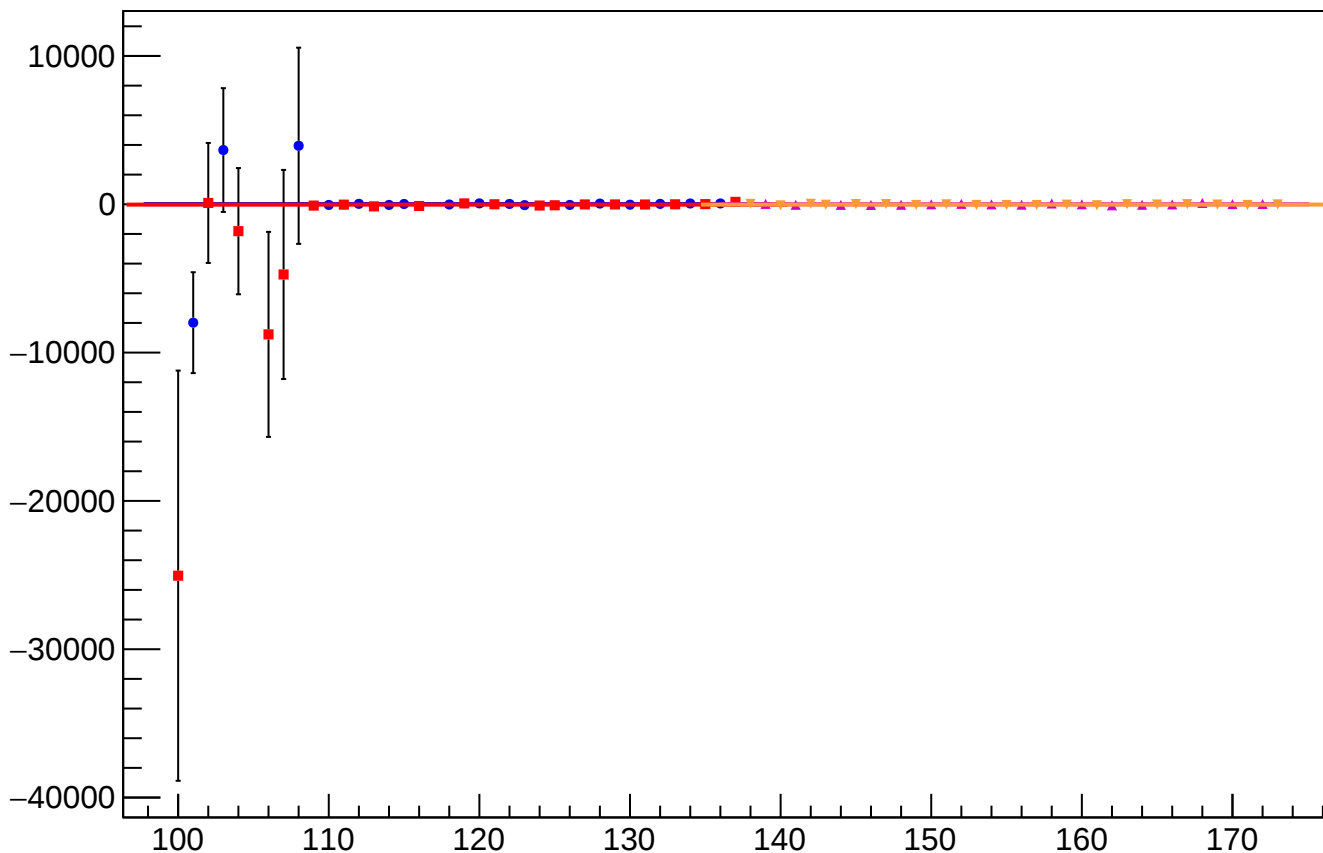
Left In: 186.736+/-0.038 χ^2/NDF : 1277721.3/16

+ sign 209.704+/-0.035 χ^2/NDF : 4840765.8/35

All: 194.965+/-0.024 χ^2/NDF : 10687794.1/71

- sign 182.836+/-0.032 χ^2/NDF : 5523684.9/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -20.458+/-8.333 χ^2/NDF :12.6/18

Right Out: -22.618+/-13.660 χ^2/NDF : 28.0/18

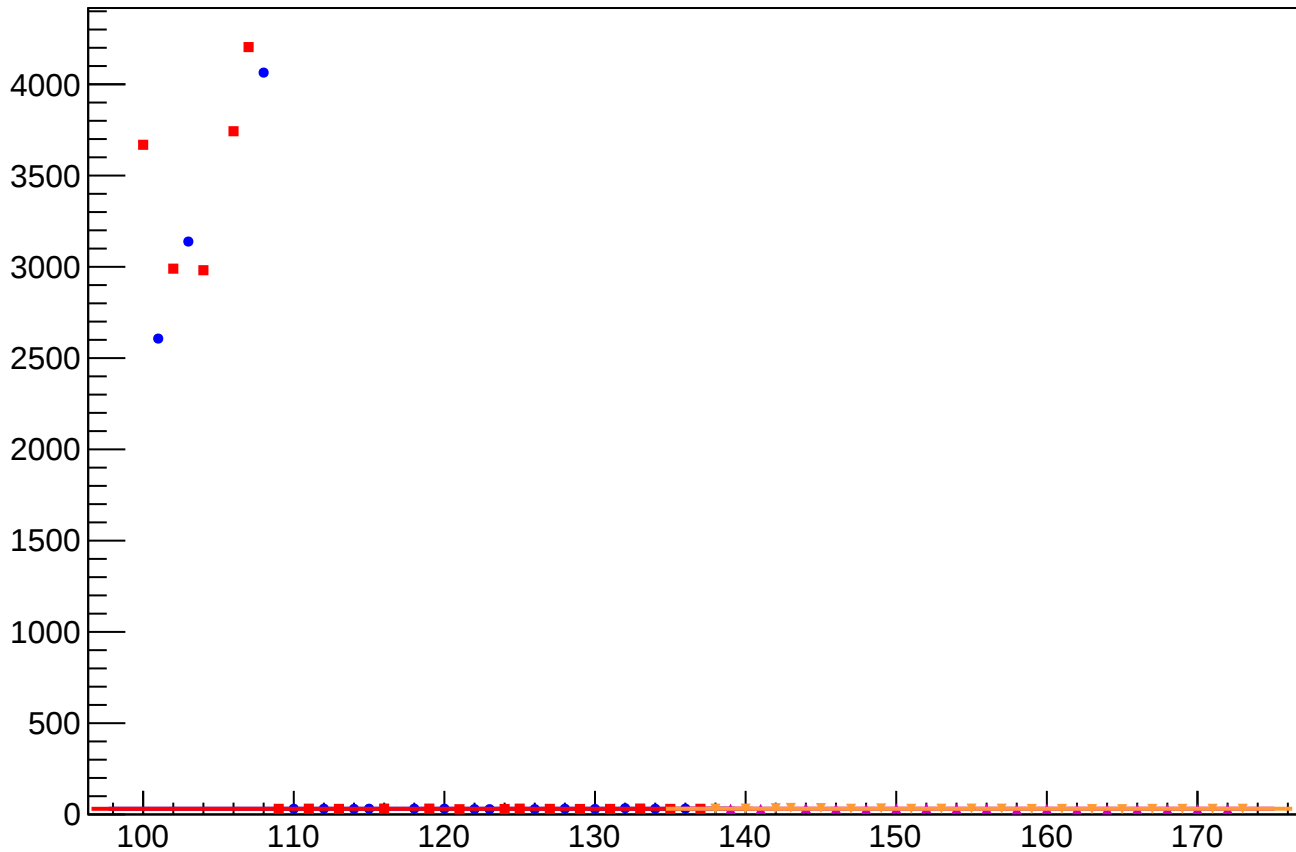
Left In: -1.578+/-8.625 χ^2/NDF :22.0/16

+ sign -11.512+/-7.123 χ^2/NDF : 31.5/35

All: -9.590+/-5.096 χ^2/NDF : 83.4/71

- sign -7.575+/-7.293 χ^2/NDF : 51.7/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 31.401+/-0.006 χ^2/NDF : 73755.4/18

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

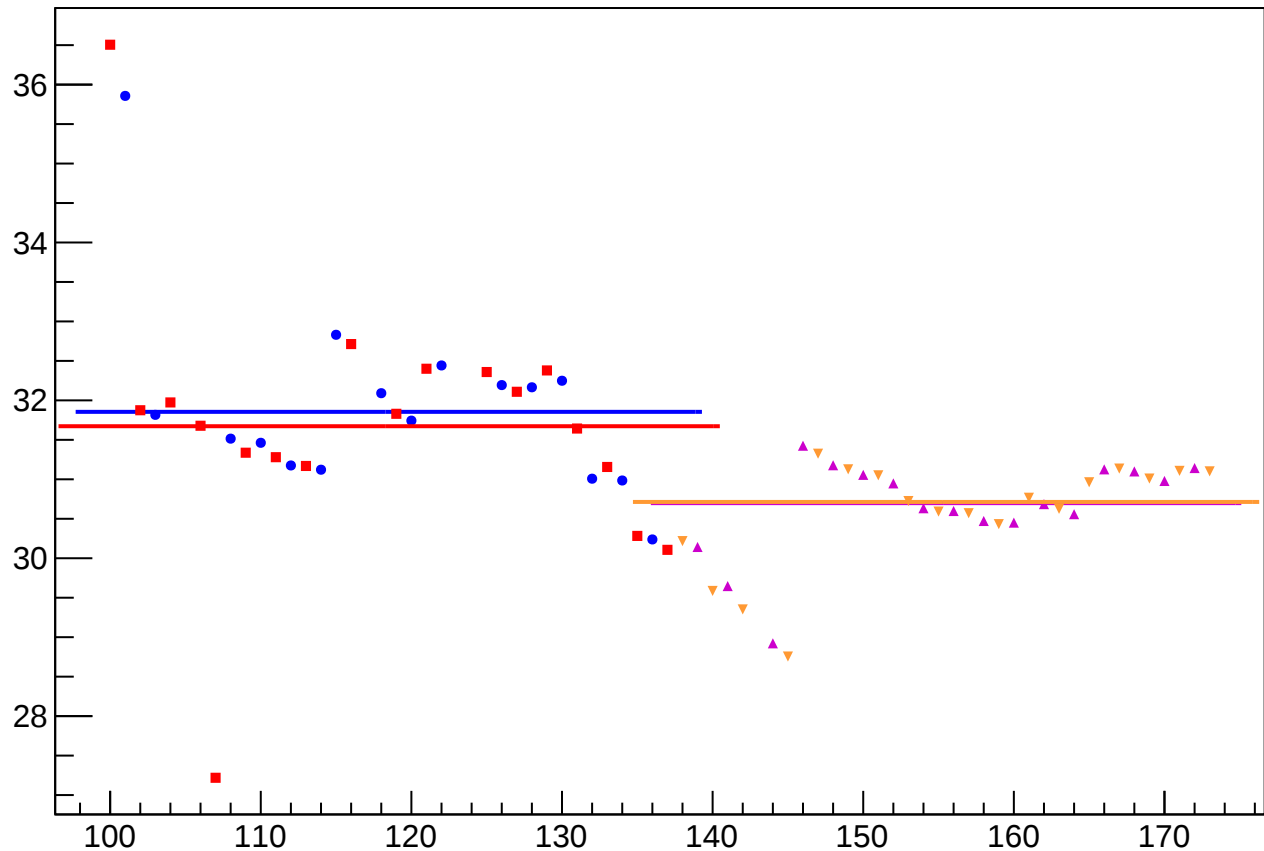
Left In: 31.304+/-0.006 χ^2/NDF : 81610.5/16

+ sign 31.334+/-0.005 χ^2/NDF : 3088748.1/35

All: 31.272+/-0.004 χ^2/NDF : 6630489.8/71

- sign 31.207+/-0.005 χ^2/NDF : 3541428.5/35

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.713+/-0.000 χ^2/NDF : 722439981.1/17

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

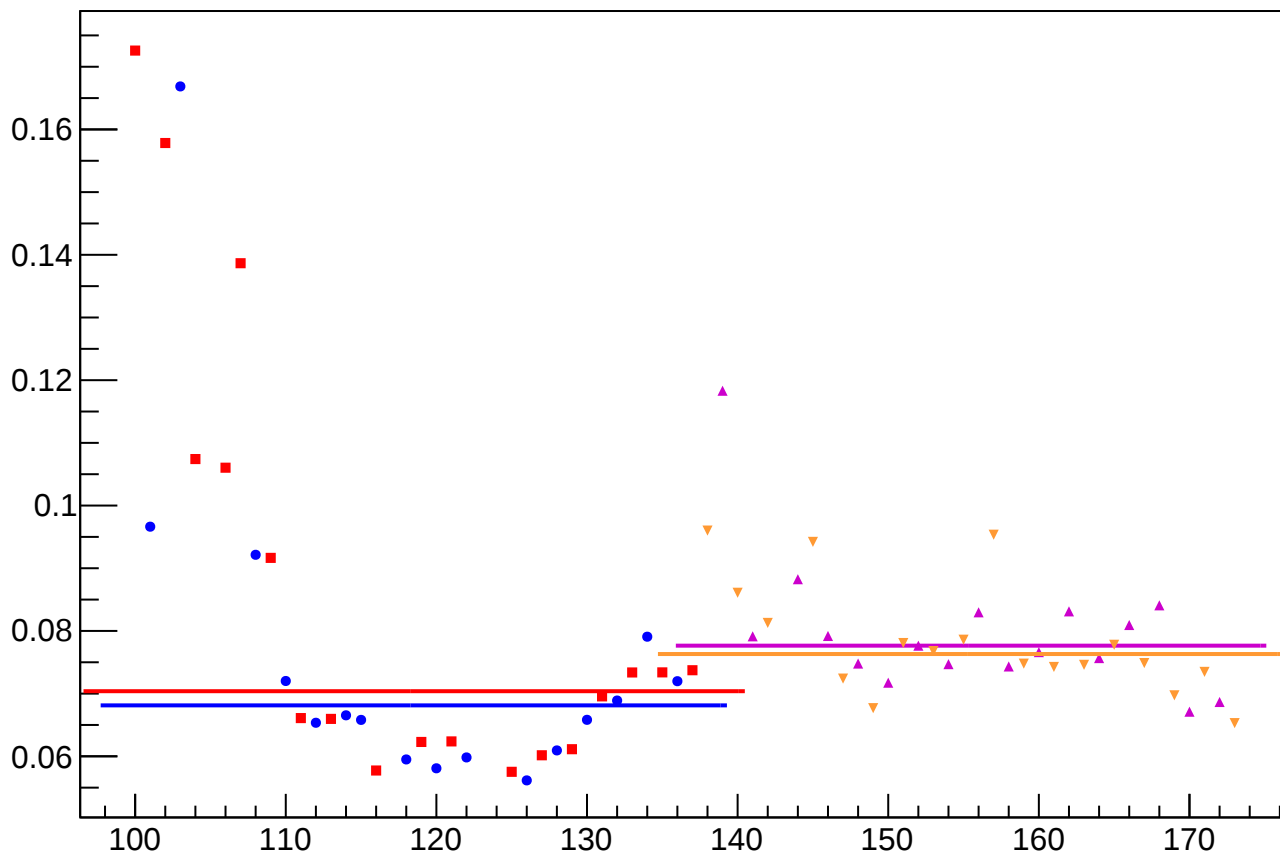
Left In: 30.698+/-0.000 χ^2/NDF : 661164101.1/16

+ sign 31.138+/-0.000 χ^2/NDF : 3310871304.5/33

All: 31.102+/-0.000 χ^2/NDF : 5605559384.4/66

- sign 31.065+/-0.000 χ^2/NDF : 2286044216.7/34

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:266956.4/17

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

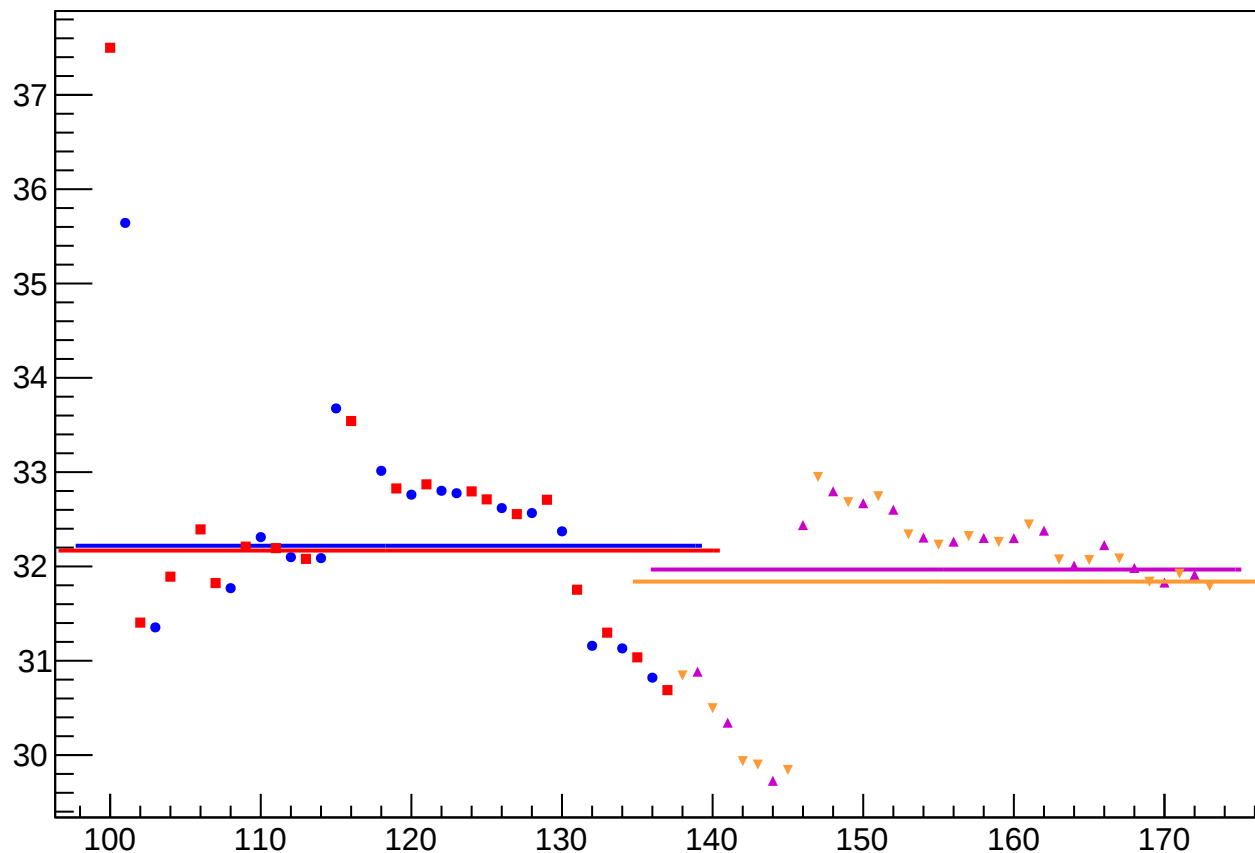
Left In: 0.078 $\pm$ 0.000 χ^2 /NDF:289108.5/16

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 1001569.9/33

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 2219432.7/68

- sign 0.075 $\pm$ 0.000 χ^2 /NDF: 1209033.8/34

yield_usr_mean vs Slug



Right In: 32.220 $\pm$ 0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.840 $\pm$ 0.000 χ^2/NDF : 1827127091.6/18

Right Out: 32.168 $\pm$ 0.000 χ^2/NDF : 442298310.3/18

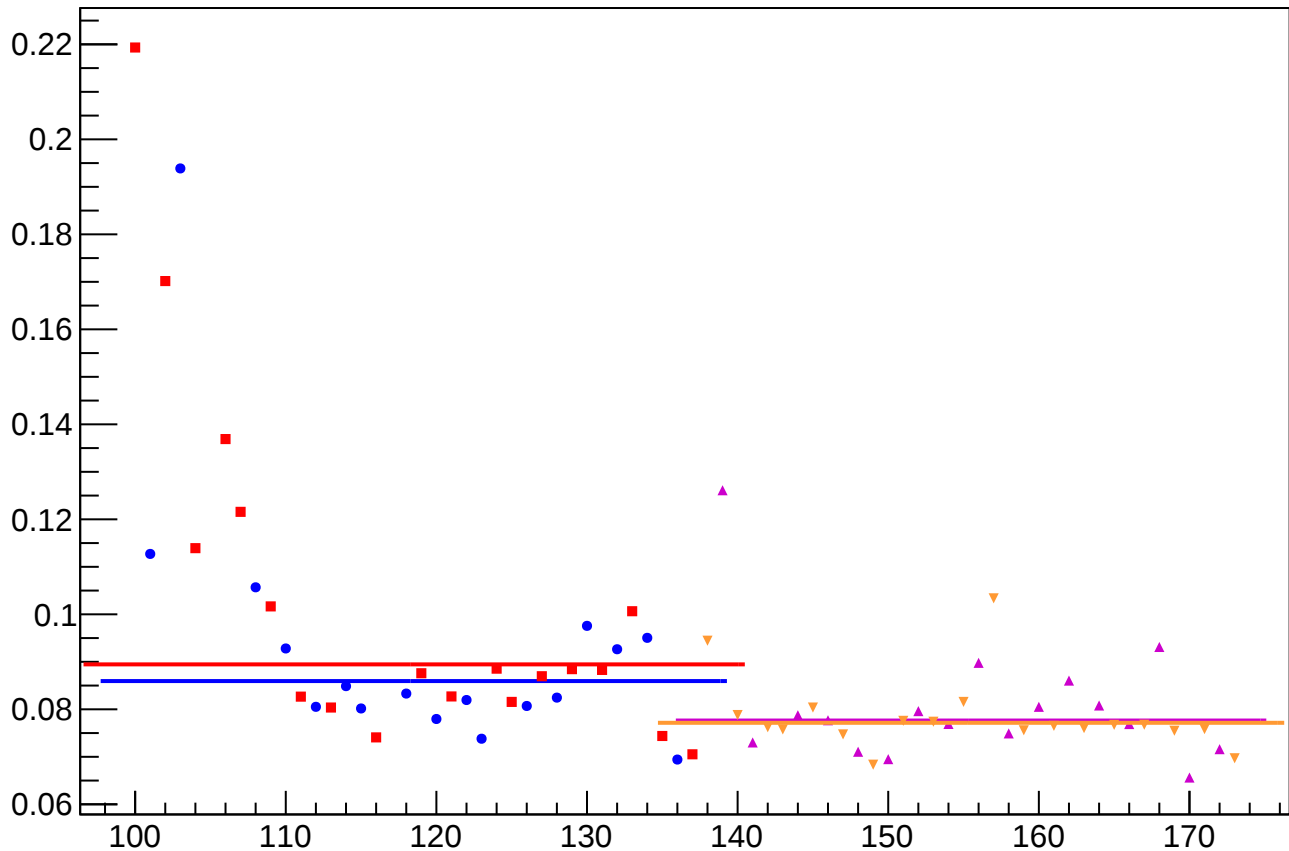
Left In: 31.967 $\pm$ 0.000 χ^2/NDF : 1403491414.4/16

+ sign 31.940 $\pm$ 0.000 χ^2/NDF : 2924235573.0/35

All: 31.980 $\pm$ 0.000 χ^2/NDF : 4802290862.9/7

- sign 32.023 $\pm$ 0.000 χ^2/NDF : 1868267175.0/35

yield_usr_rms vs Slug



Right In: 0.086 ± 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.077 ± 0.000 χ^2/NDF : 180199.7/18

Right Out: 0.089 ± 0.000 χ^2/NDF : 539869.9/18

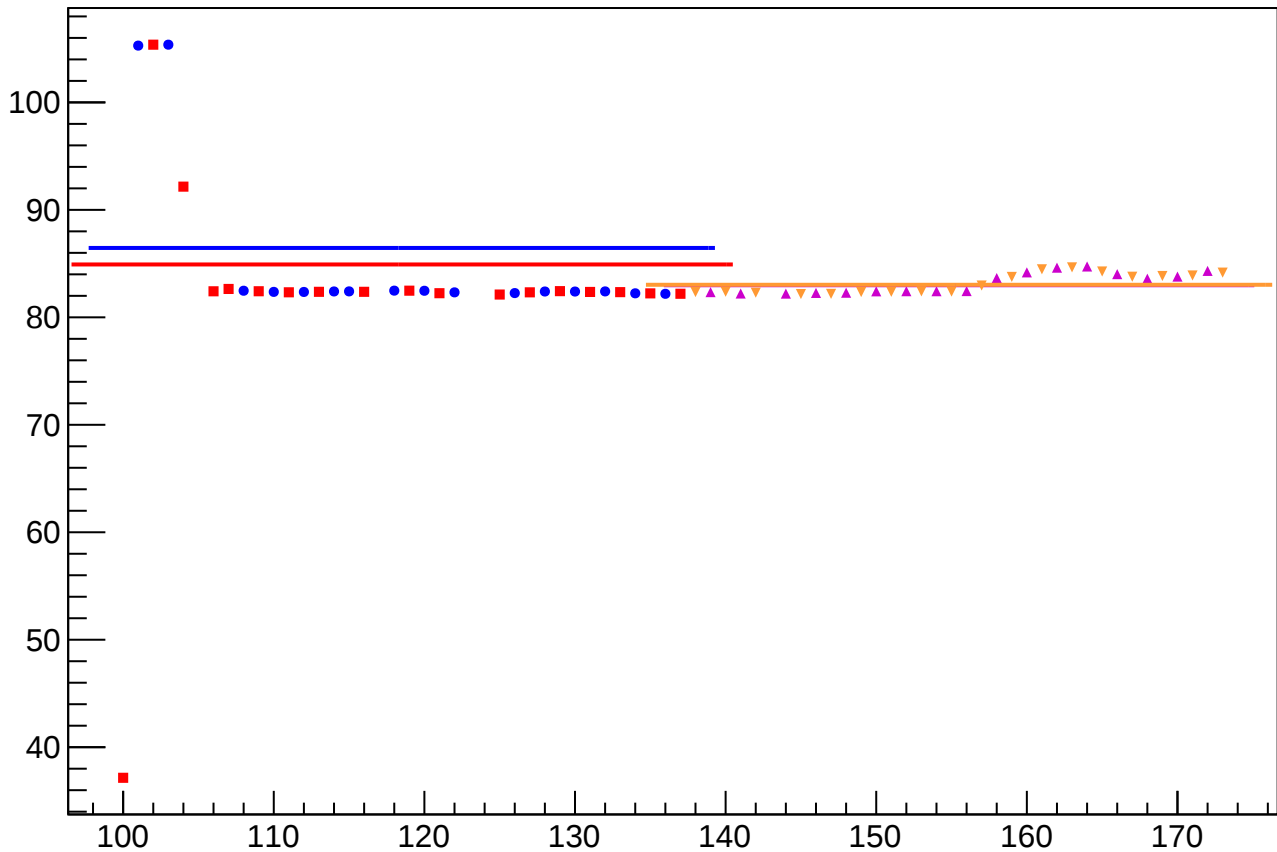
Left In: 0.078 ± 0.000 χ^2/NDF : 398734.9/16

+ sign 0.079 ± 0.000 χ^2/NDF : 822475.1/35

All: 0.080 ± 0.000 χ^2/NDF : 1922049.9/71

- sign 0.081 ± 0.000 χ^2/NDF : 1093824.2/35

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 83.029+/-0.000 χ^2/NDF : 4833886765.7/17

Right Out: 84.920+/-0.000 χ^2/NDF : 172195187677.7/17

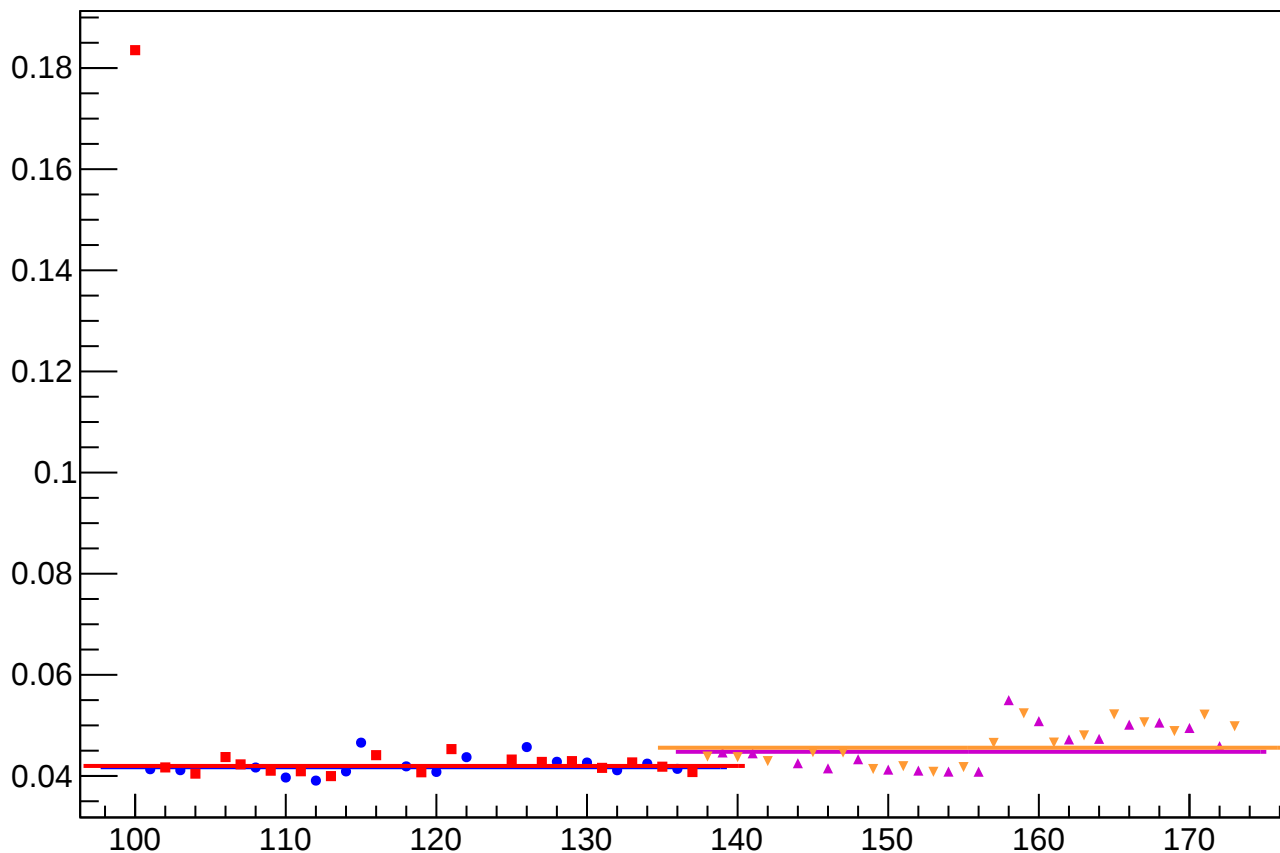
Left In: 82.985+/-0.000 χ^2/NDF : 5067037640.8/16

+ sign 84.309+/-0.000 χ^2/NDF : 323992039302.8/33

All: 84.010+/-0.000 χ^2/NDF : 512132108752.0

- sign 83.717+/-0.000 χ^2/NDF : 186349044538.1/34

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.046 $\pm$ 0.000 χ^2 /NDF: 178367.2/17

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96869.3/17

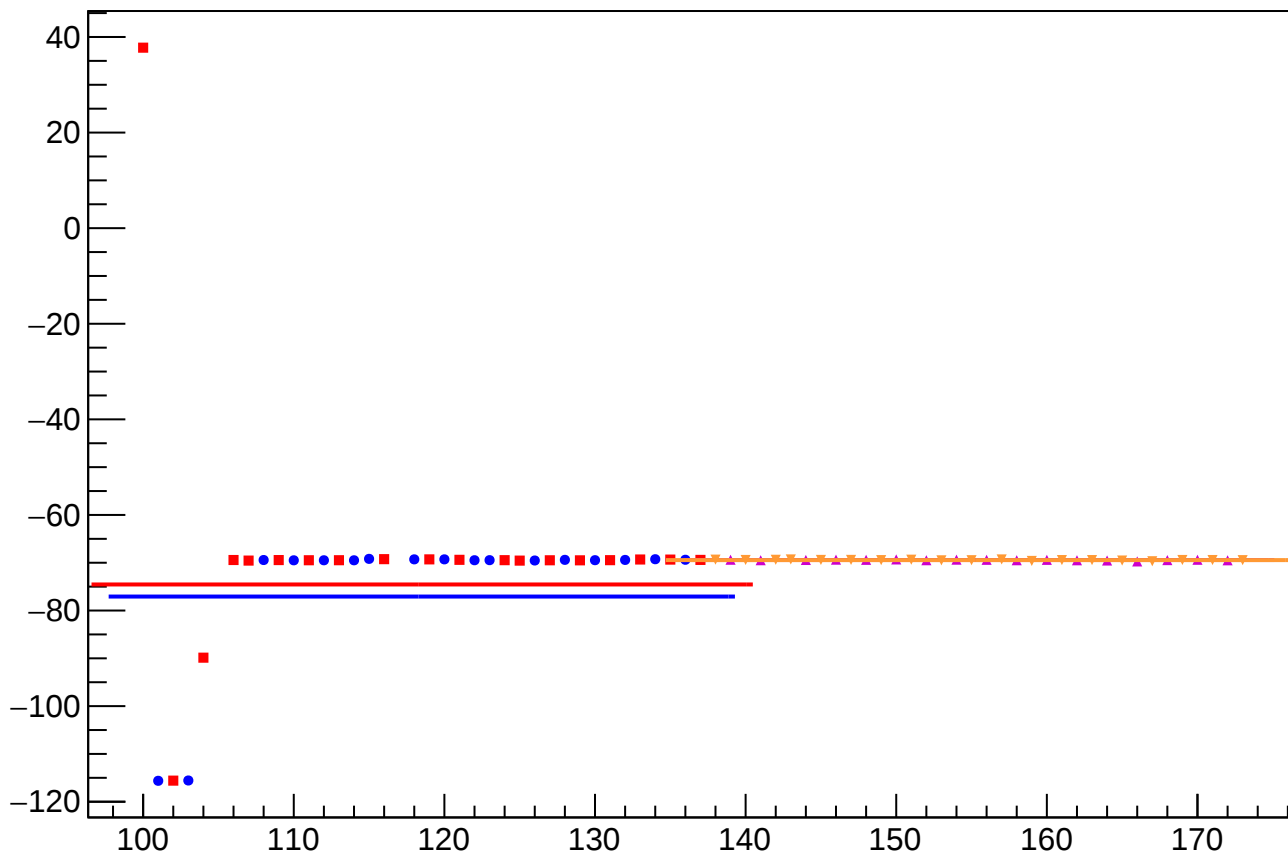
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF: 204334.4/16

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 267499.6/33

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 608567.7/68

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 339238.1/34

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.450+/-0.000 χ^2/NDF : 39410162.1/18

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

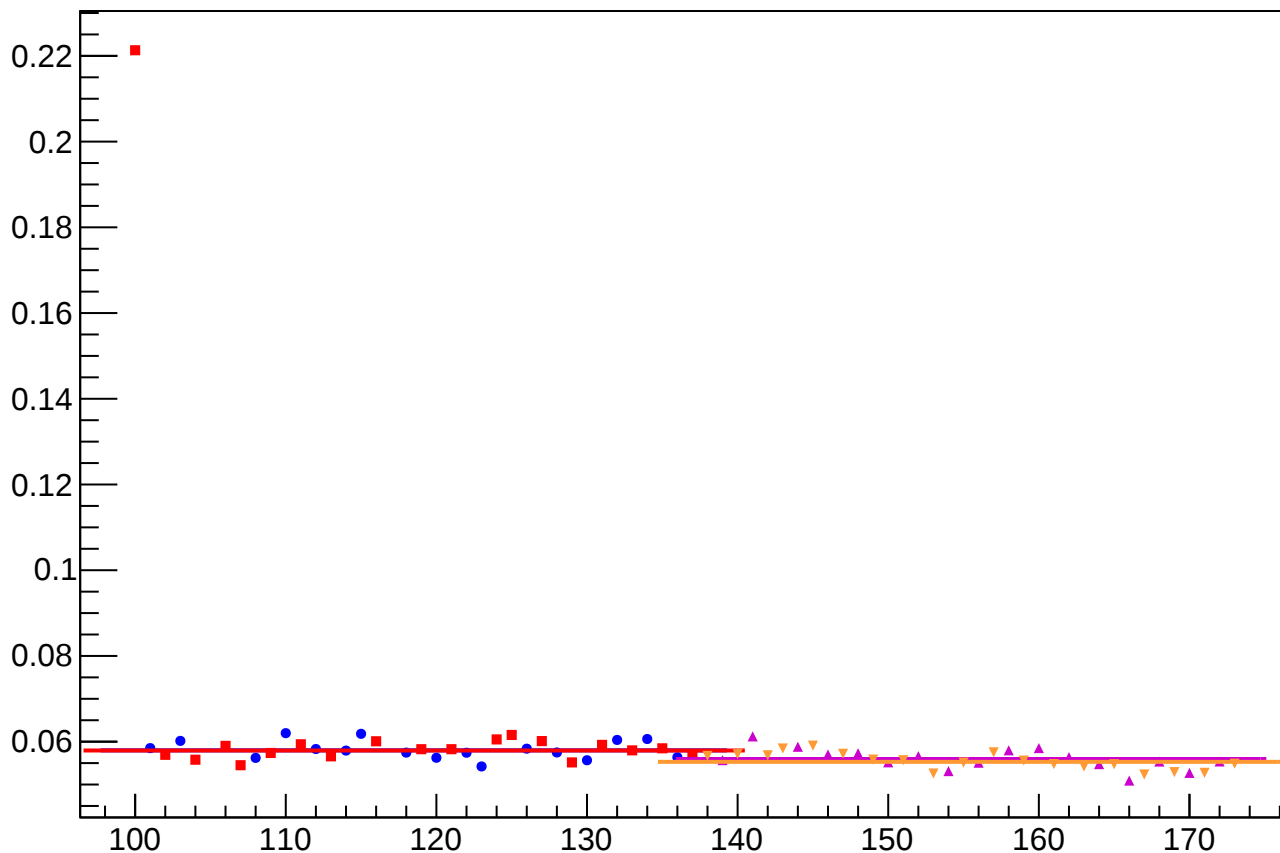
Left In: -69.431+/-0.000 χ^2/NDF : 32449855.5/16

+ sign -71.730+/-0.000 χ^2/NDF : 643464922993.4/3

All: -71.441+/-0.000 χ^2/NDF : 105209714042

- sign -71.138+/-0.000 χ^2/NDF : 407537851281.5/3

yield_dsr_rms vs Slug



Right In: 0.058 $\pm$ 0.000 χ^2/NDF : 12275.6/16

Left Out: 0.055 $\pm$ 0.000 χ^2/NDF : 33316.9/18

Right Out: 0.058 $\pm$ 0.000 χ^2/NDF : 86466.5/18

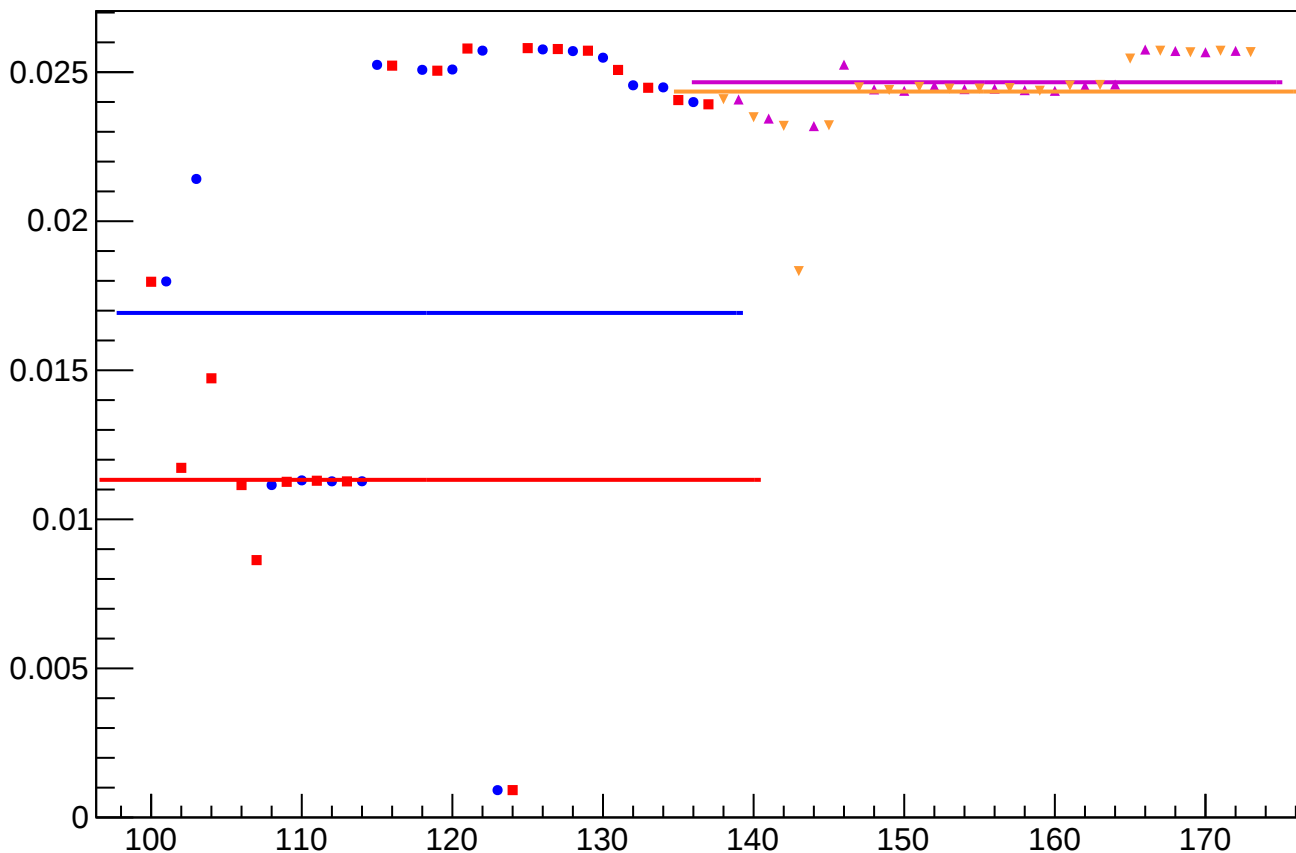
Left In: 0.056 $\pm$ 0.000 χ^2/NDF : 44930.1/16

+ sign 0.056 $\pm$ 0.000 χ^2/NDF : 64877.4/35

All: 0.056 $\pm$ 0.000 χ^2/NDF : 208734.8/71

- sign 0.057 $\pm$ 0.000 χ^2/NDF : 142129.0/35

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 6965126605.0/18

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 234754769754.2/18

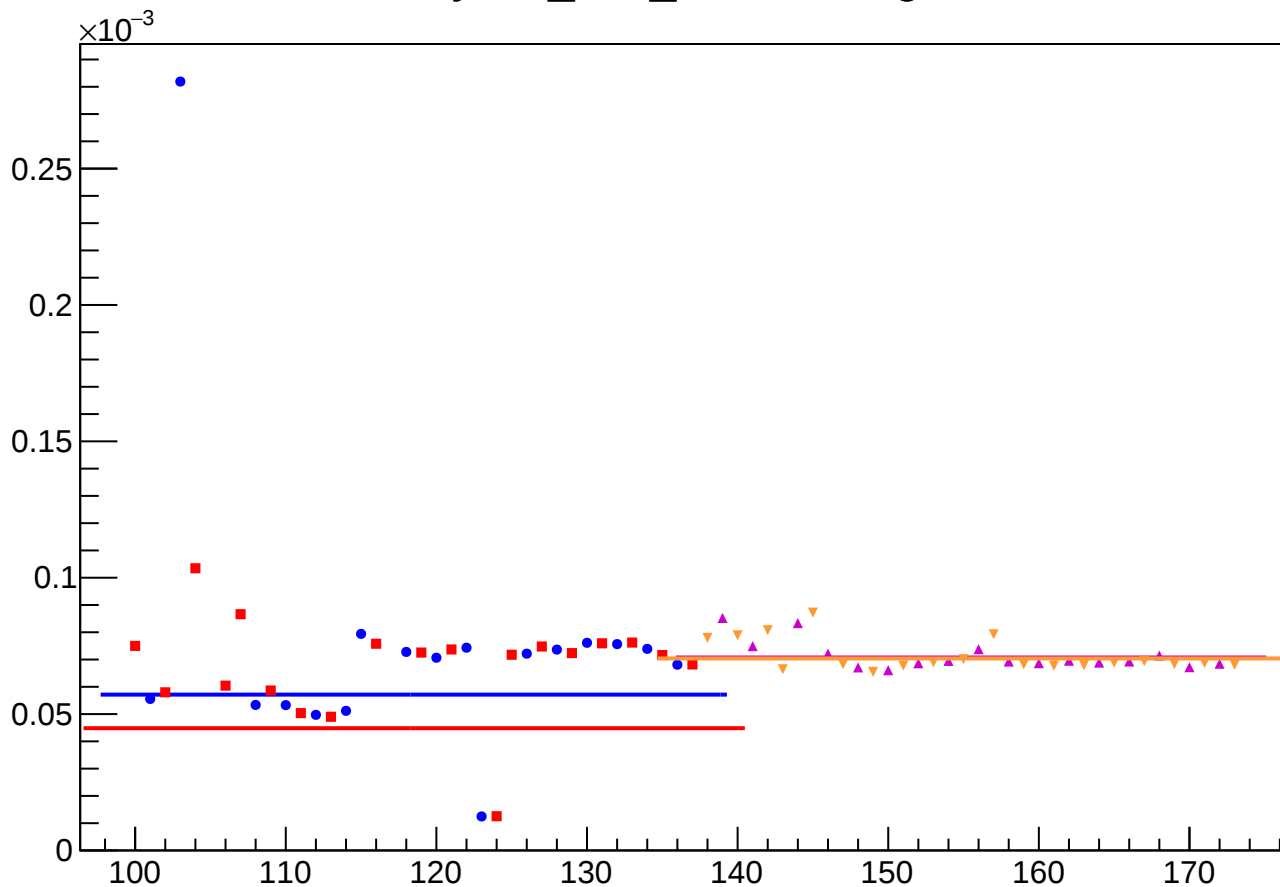
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 1295036555.9/16

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 191273054449.9/35

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 674752154687.6

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 457584864553.7/35

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :145841.5/18

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

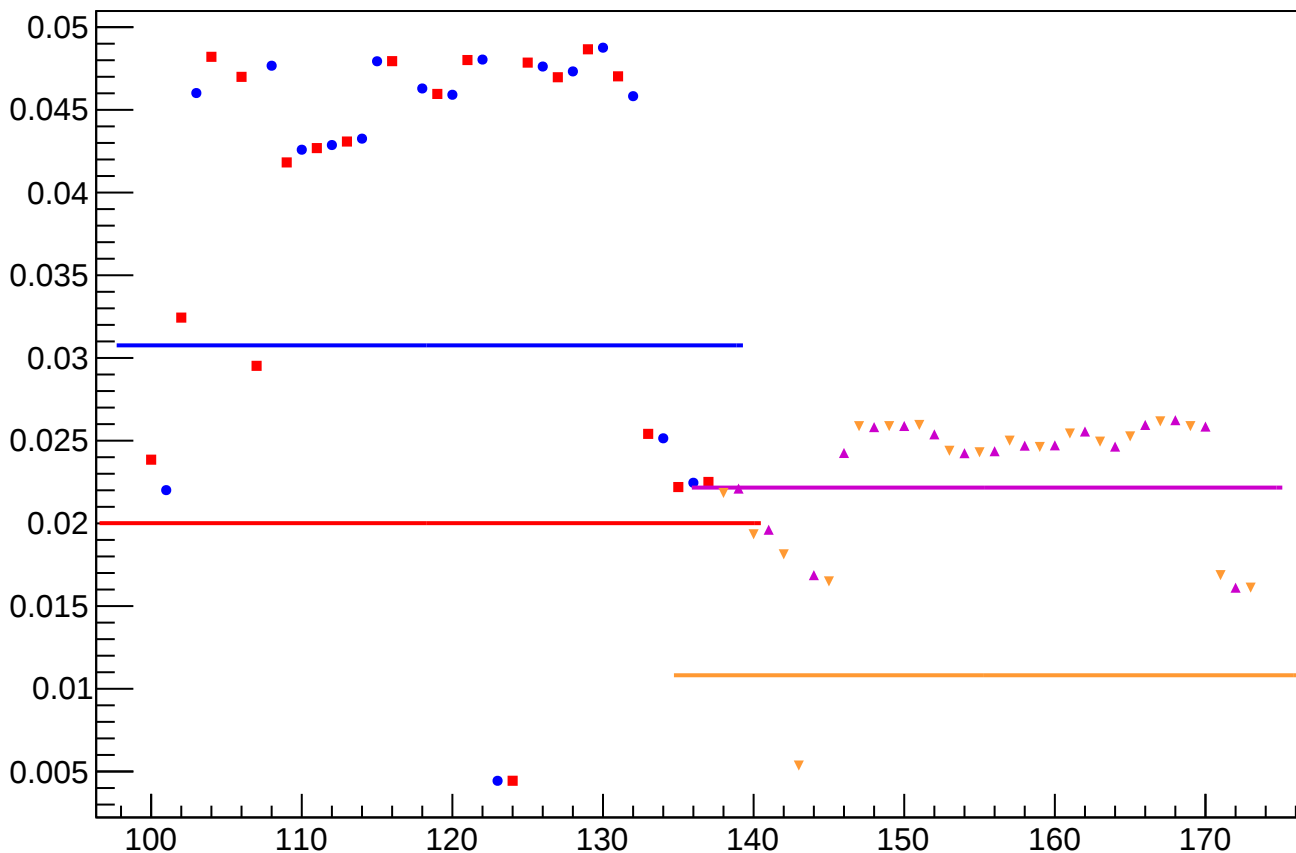
Left In: 0.000+/-0.000 χ^2/NDF :112873.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 2515097.0/35

All: 0.000+/-0.000 χ^2/NDF : 8134687.5/71

- sign 0.000+/-0.000 χ^2/NDF : 5379599.7/35

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.011+/-0.000 χ^2/NDF : 33550754082.6/18

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

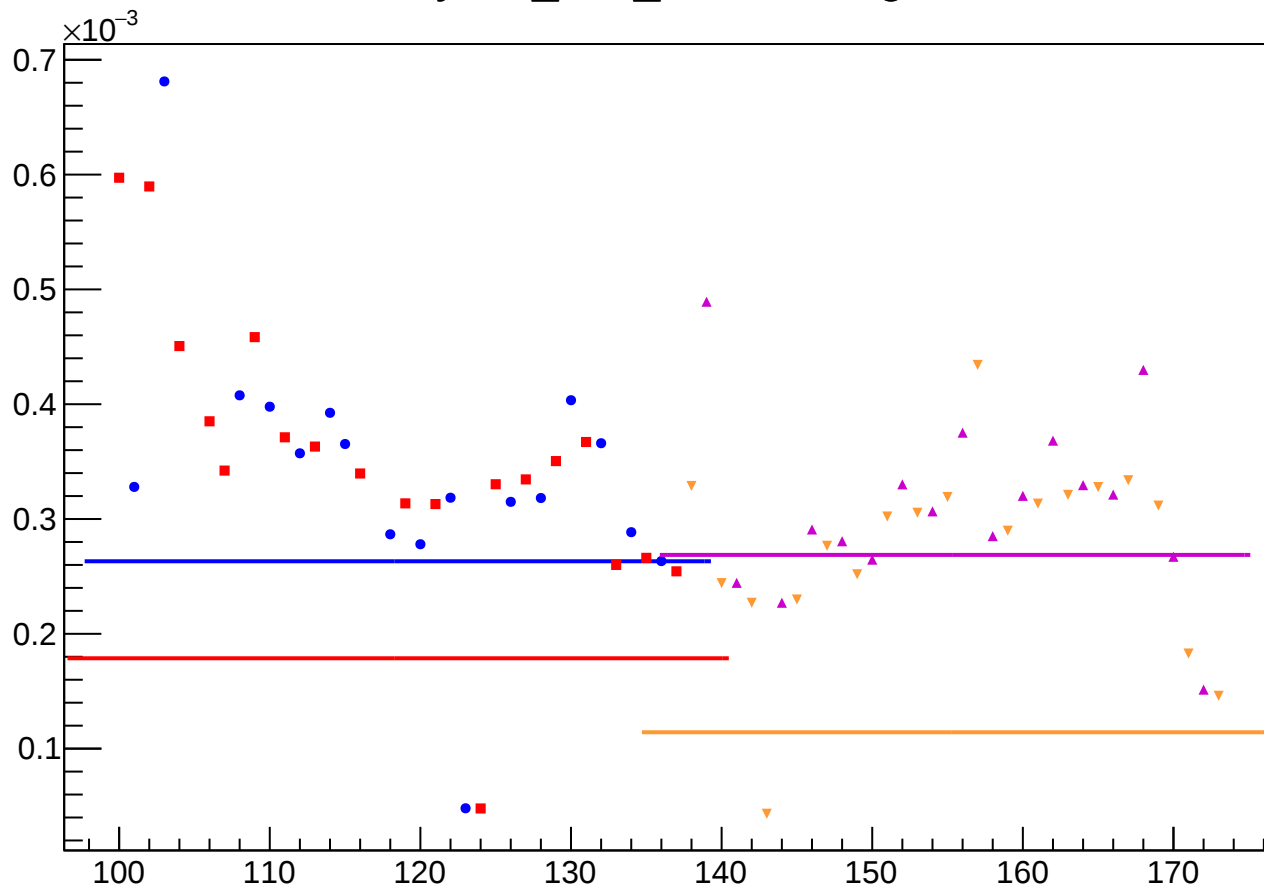
Left In: 0.022+/-0.000 χ^2/NDF : 2537145099.0/16

+ sign 0.013+/-0.000 χ^2/NDF : 79568333653.3/35

All: 0.016+/-0.000 χ^2/NDF : 134690477048.8

- sign 0.021+/-0.000 χ^2/NDF : 42858370181.9/35

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :12018408.1/18

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

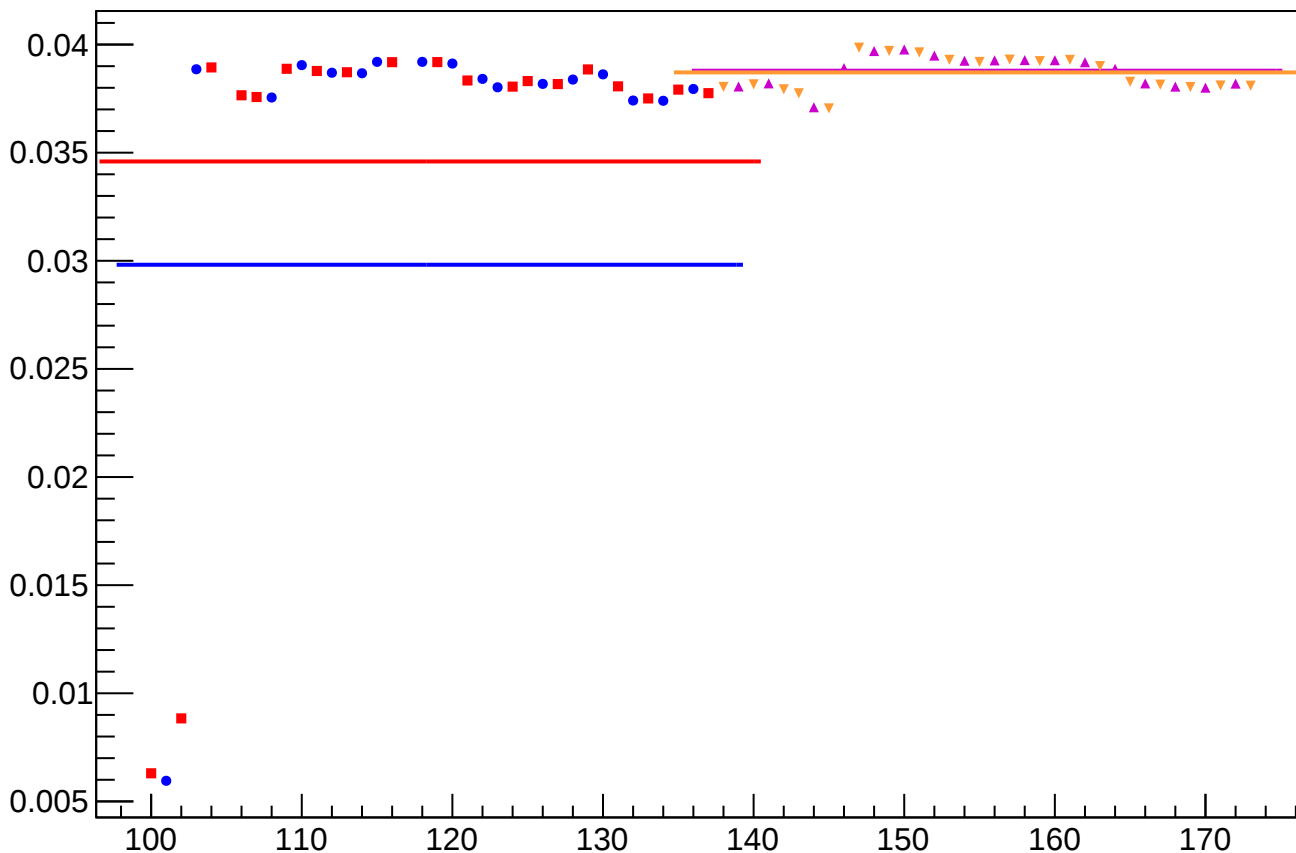
Left In: 0.000+/-0.000 χ^2/NDF :1810537.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 17190200.1/35

All: 0.000+/-0.000 χ^2/NDF : 29068839.0/71

- sign 0.000+/-0.000 χ^2/NDF : 8238586.0/35

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 121171507908.8/35

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 459230506.1/18

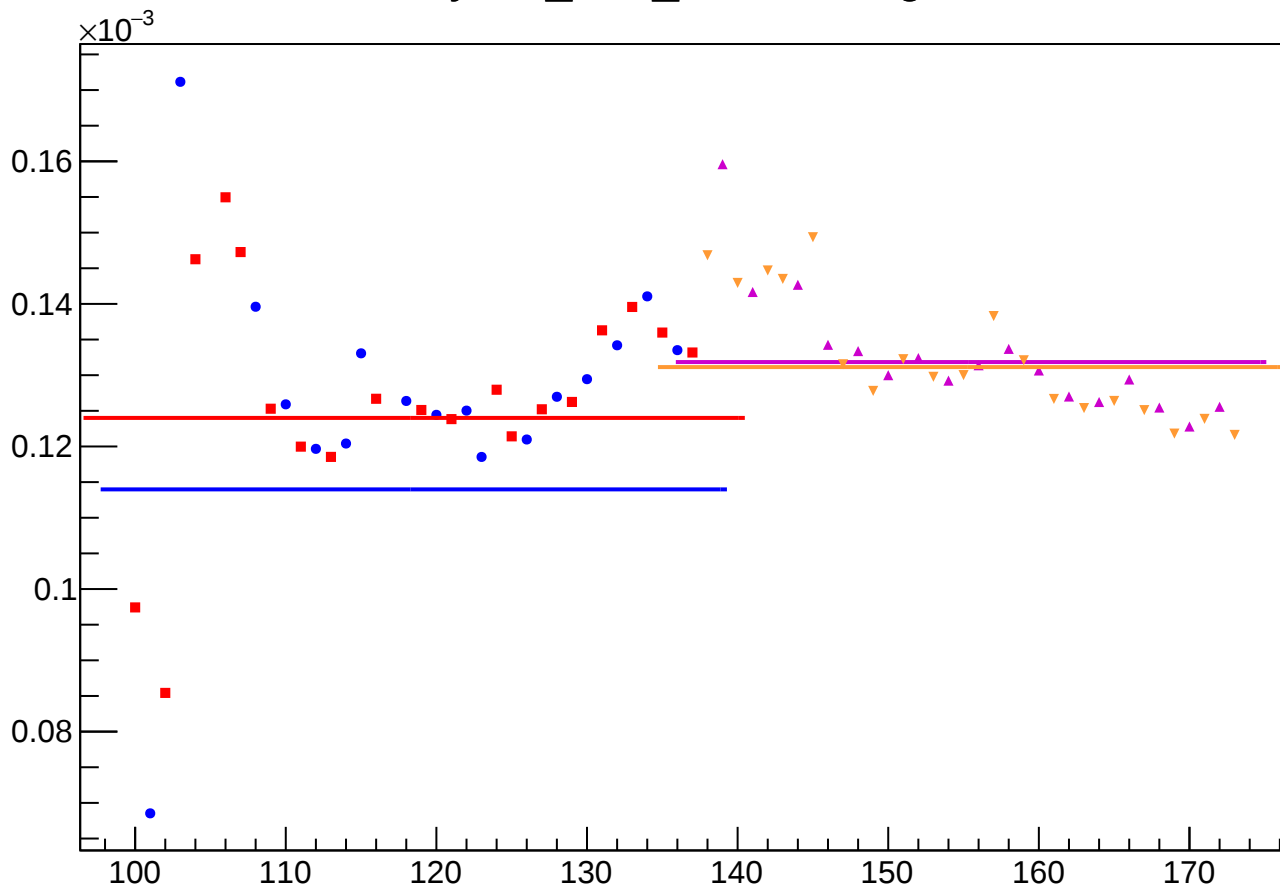
All: 0.036 $\pm$ 0.000 χ^2 /NDF: 172076713625.1

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43669374279.3/18

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 48876368963.9/35

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 389778183.7/16

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 104207.7/18

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

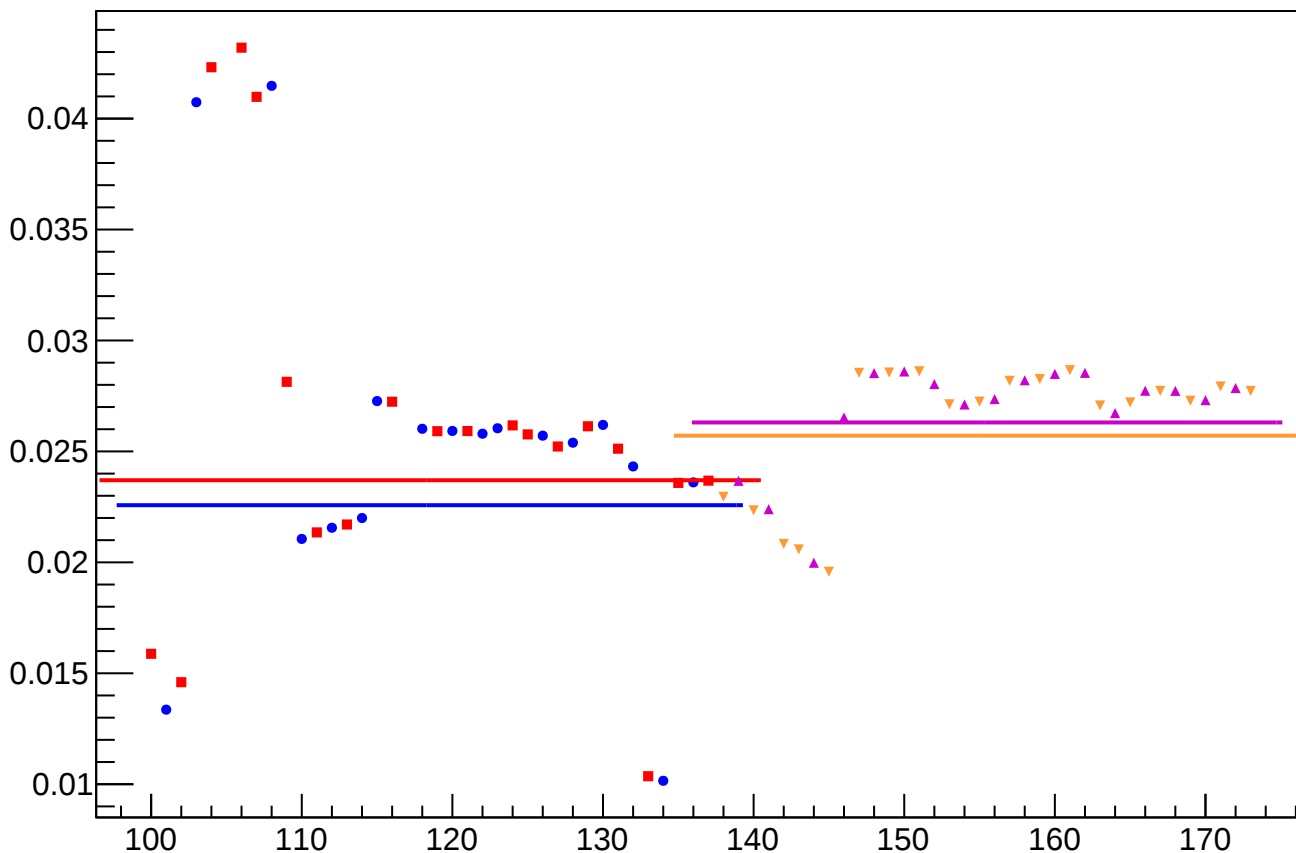
Left In: 0.000+/-0.000 χ^2/NDF : 83806.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 1074047.2/35

All: 0.000+/-0.000 χ^2/NDF : 1457779.8/71

- sign 0.000+/-0.000 χ^2/NDF : 362539.7/35

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.026+/-0.000 χ^2/NDF : 1752873317.5/18

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

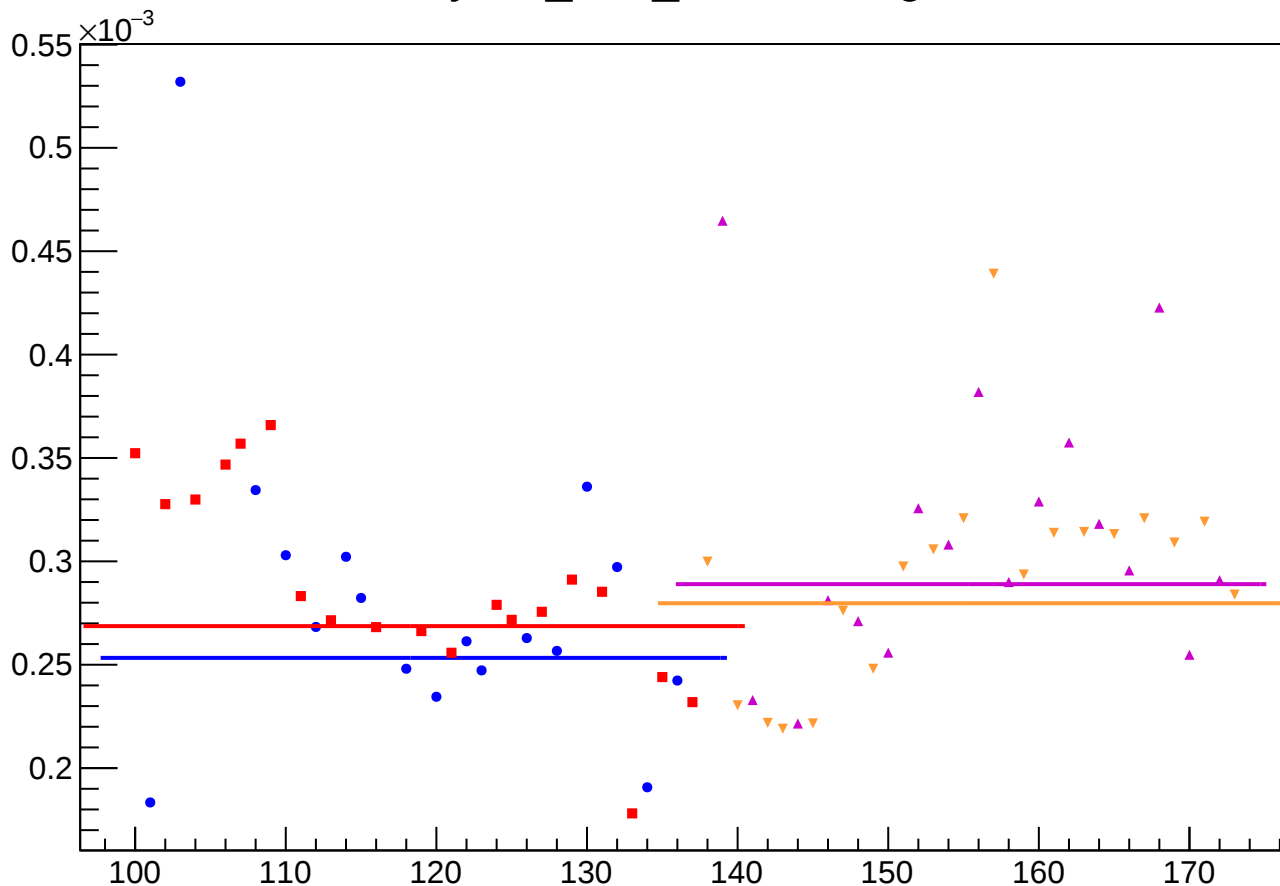
Left In: 0.026+/-0.000 χ^2/NDF : 1166809664.9/16

+ sign 0.025+/-0.000 χ^2/NDF : 6567424967.4/35

All: 0.025+/-0.000 χ^2/NDF : 13813191175.4/7

- sign 0.025+/-0.000 χ^2/NDF : 7179482222.3/35

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 628424.7/18

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

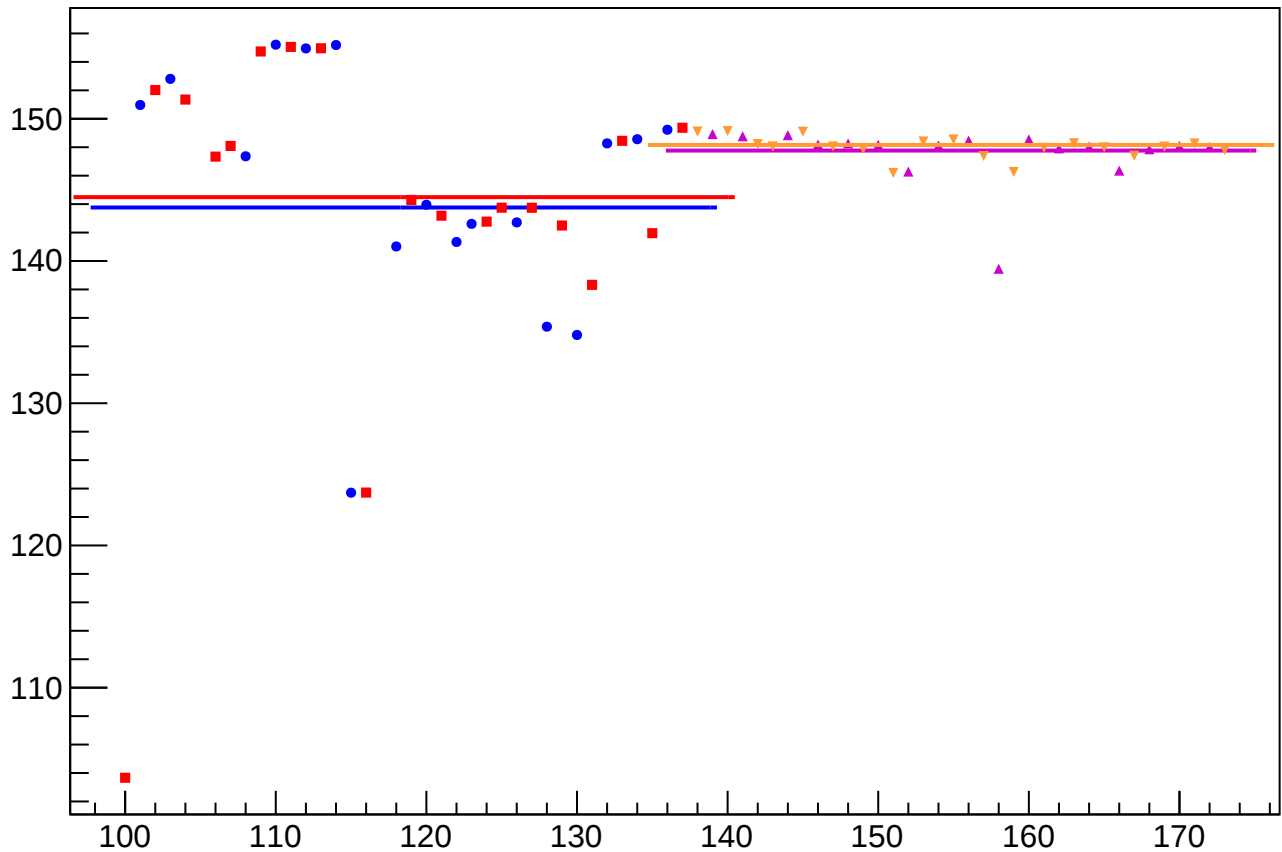
Left In: 0.000+/-0.000 χ^2/NDF : 841695.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 1338182.5/35

All: 0.000+/-0.000 χ^2/NDF : 2681594.5/71

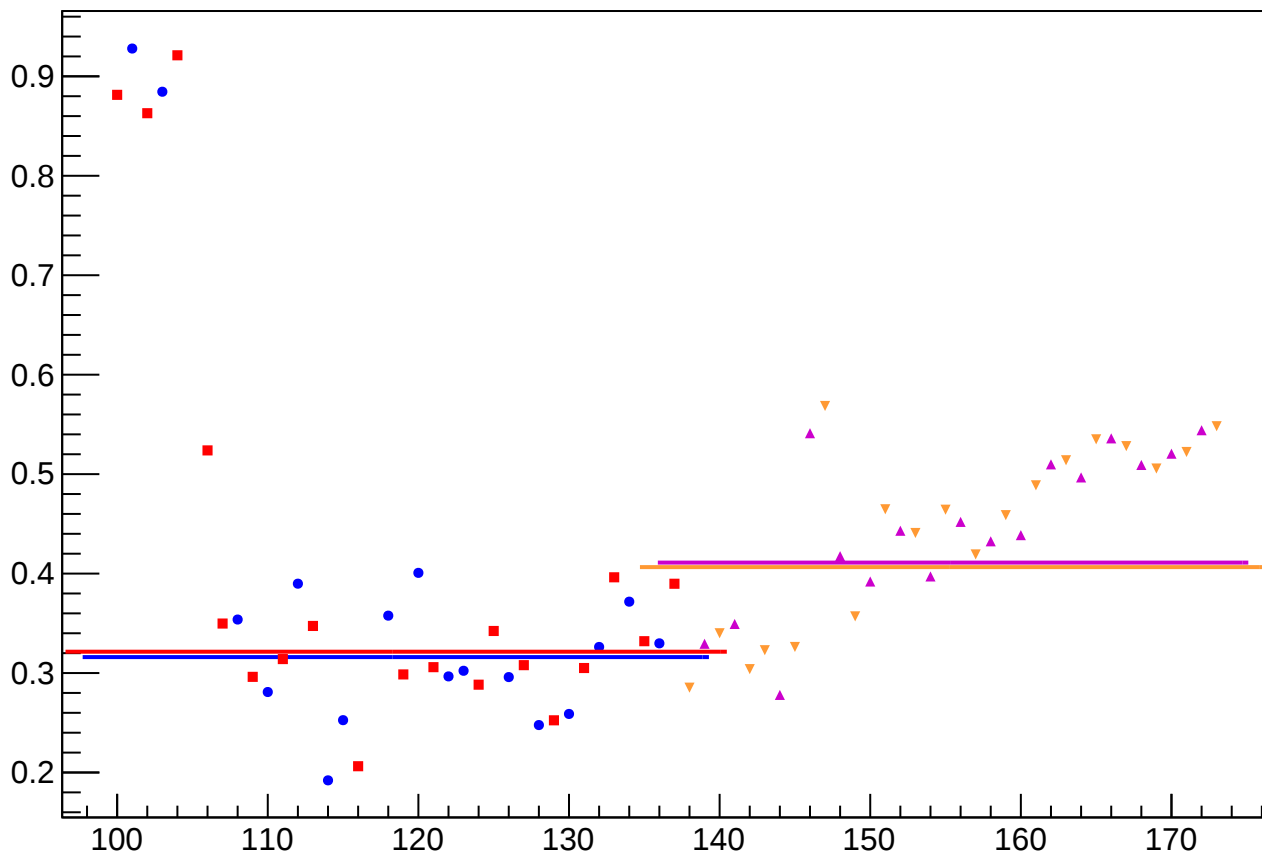
- sign 0.000+/-0.000 χ^2/NDF : 1313920.2/35

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000	χ^2 /NDF: 3534699505.1/16	+ sign 146.349 $\pm$ 0.000	χ^2 /NDF: 4220256954.7/35
Left Out: 148.162 $\pm$ 0.000	χ^2 /NDF: 52822249.5/18	All: 146.341 $\pm$ 0.000	χ^2 /NDF: 9070638432.8
Right Out: 144.490 $\pm$ 0.000	χ^2 /NDF: 4182548232.5/18	- sign 146.333 $\pm$ 0.000	χ^2 /NDF: 4850363634.0/35
Left In: 147.766 $\pm$ 0.000	χ^2 /NDF: 325729585.0/16		

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 $\pm$ 0.000 χ^2 /NDF: 1265921.5/16

Left Out: 0.407 $\pm$ 0.000 χ^2 /NDF:1304622.2/18

Right Out: 0.321 $\pm$ 0.000 χ^2 /NDF: 1219073.9/18

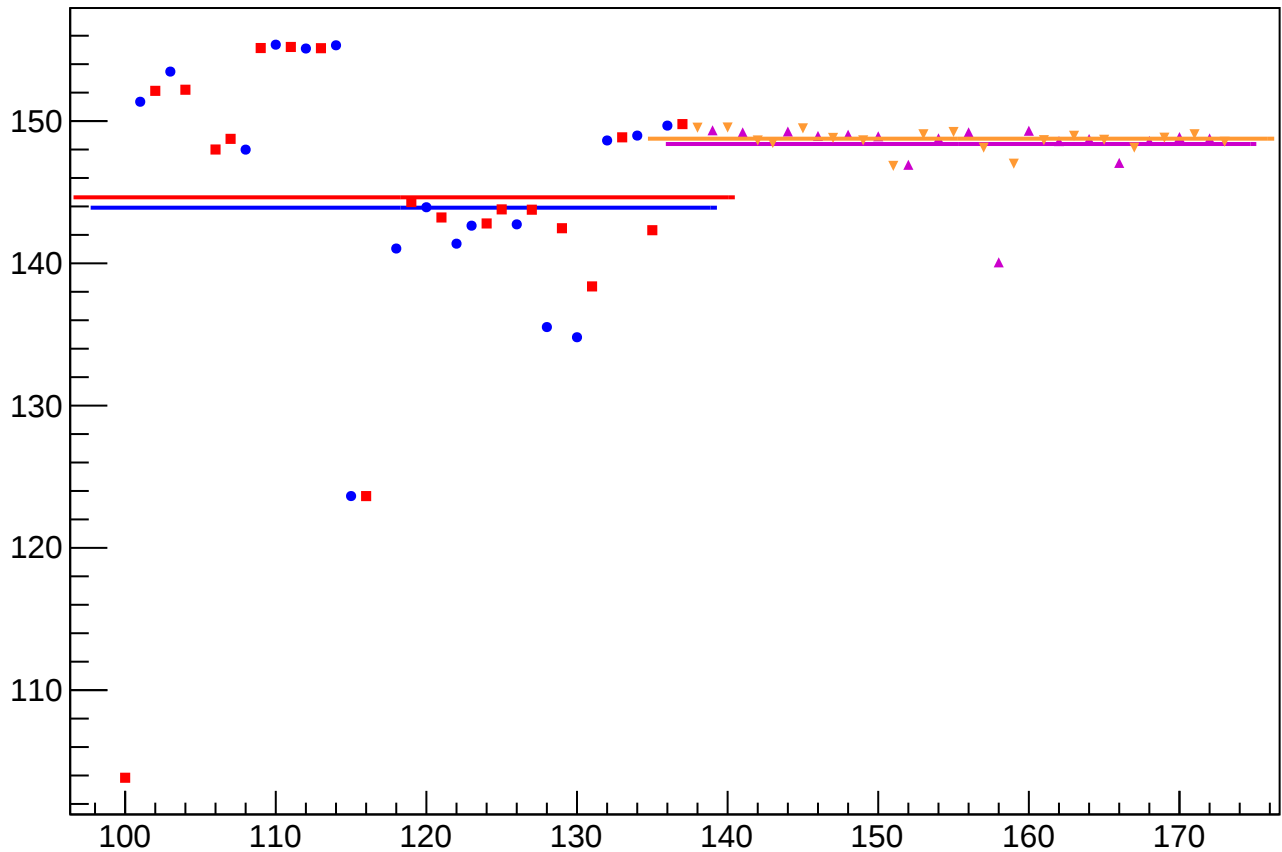
Left In: 0.411 $\pm$ 0.000 χ^2 /NDF:1010231.0/16

+ sign 0.369 $\pm$ 0.000 χ^2 /NDF: 3105805.2/35

All: 0.371 $\pm$ 0.000 χ^2 /NDF: 5847926.1/71

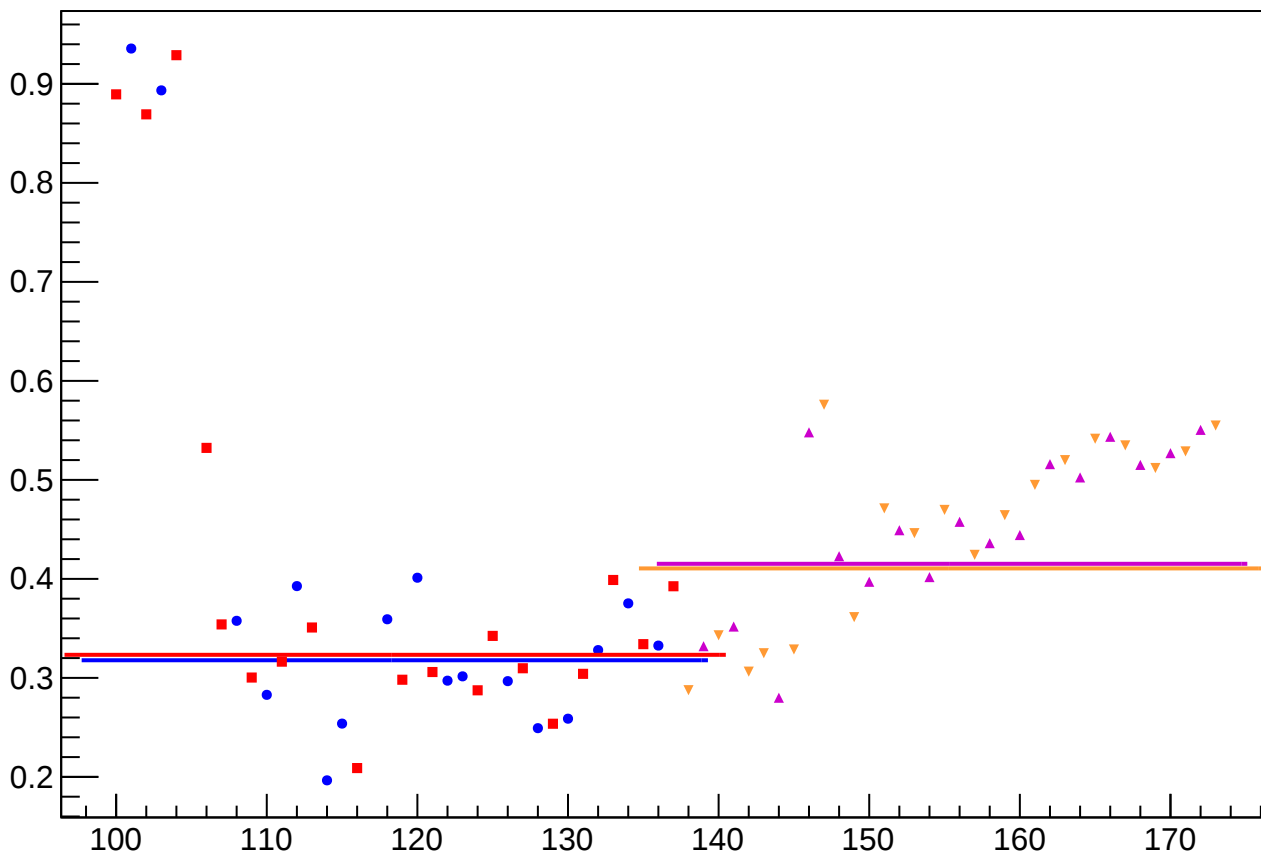
- sign 0.372 $\pm$ 0.000 χ^2 /NDF: 2741204.4/35

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000	χ^2 /NDF: 3587769790.2/16	+ sign 146.753 $\pm$ 0.000	χ^2 /NDF: 4386755092.1/35
Left Out: 148.763 $\pm$ 0.000	χ^2 /NDF: 41288014.9/18	All: 146.746 $\pm$ 0.000	χ^2 /NDF: 9352278251.5
Right Out: 144.640 $\pm$ 0.000	χ^2 /NDF: 4209610240.4/18	- sign 146.740 $\pm$ 0.000	χ^2 /NDF: 4965512277.0/35
Left In: 148.388 $\pm$ 0.000	χ^2 /NDF: 315221975.0/16		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.411 ± 0.000 χ^2/NDF : 1327964.9/18

Right Out: 0.323 ± 0.000 χ^2/NDF : 1222241.9/18

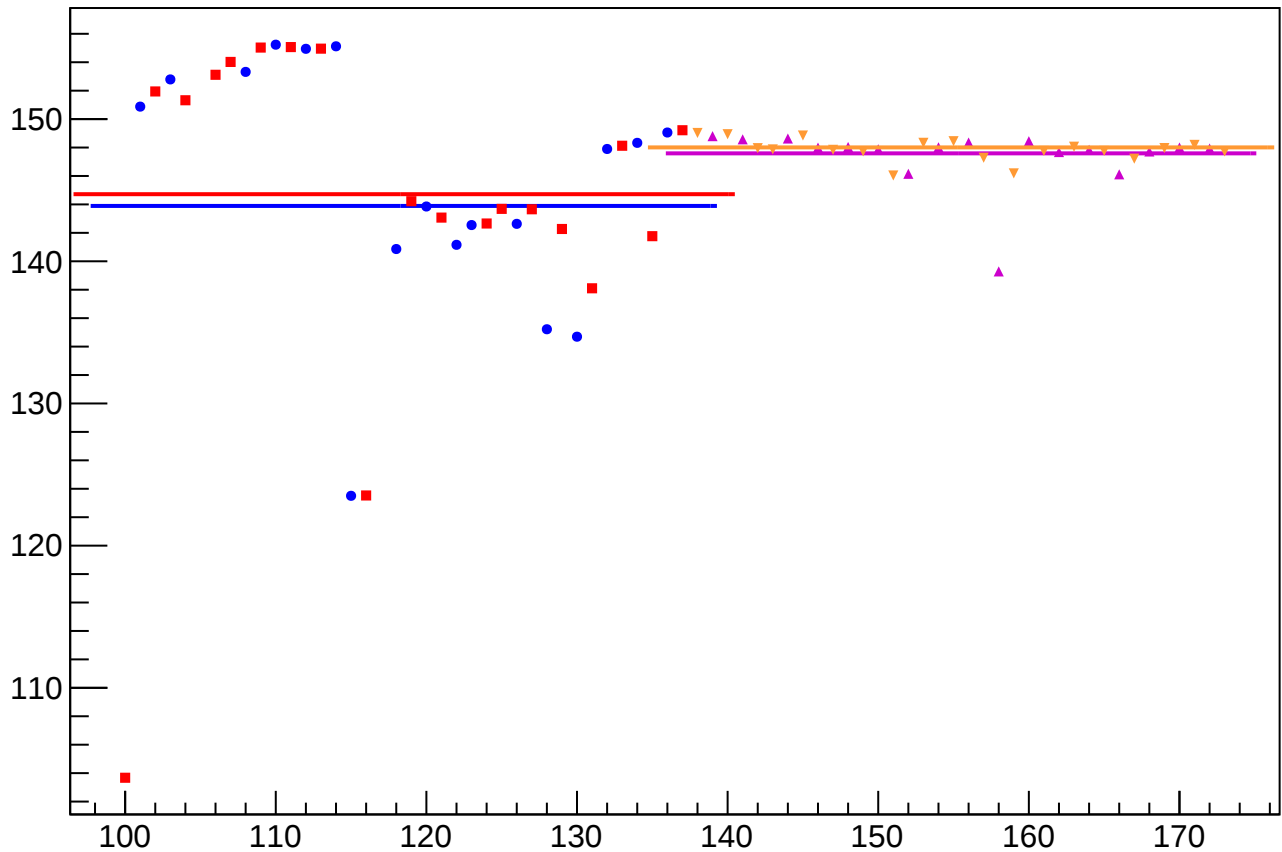
Left In: 0.415 ± 0.000 χ^2/NDF : 1029599.0/16

+ sign 0.372 ± 0.000 χ^2/NDF : 3150387.4/35

All: 0.373 ± 0.000 χ^2/NDF : 5933549.6/71

- sign 0.375 ± 0.000 χ^2/NDF : 2782229.8/35

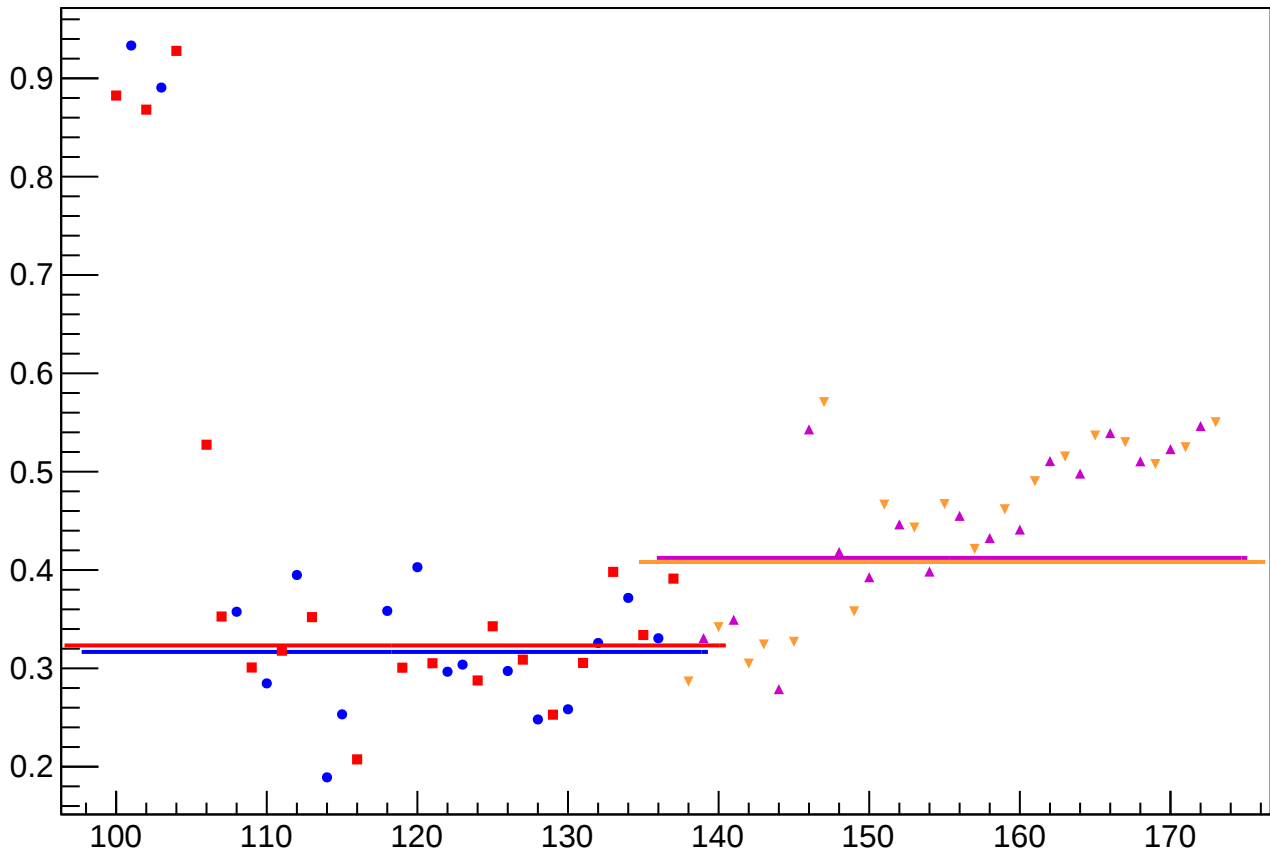
yield_bcm_an_us_mean vs Slug



Right In: 143.893 ± 0.000 χ^2/NDF : 3752655677.2/16
 Left Out: 148.009 ± 0.000 χ^2/NDF : 51186122.3/18
 Right Out: 144.719 ± 0.000 χ^2/NDF : 4473225884.5/18
 Left In: 147.591 ± 0.000 χ^2/NDF : 324912832.1/16

+ sign 146.311 ± 0.000 χ^2/NDF : 4353809244.8/35
 All: 146.324 ± 0.000 χ^2/NDF : 9412546891.7
 - sign 146.338 ± 0.000 χ^2/NDF : 5058689143.6/35

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.408 ± 0.000 χ^2/NDF : 1305725.6/18

Right Out: 0.323 ± 0.000 χ^2/NDF : 1222784.7/18

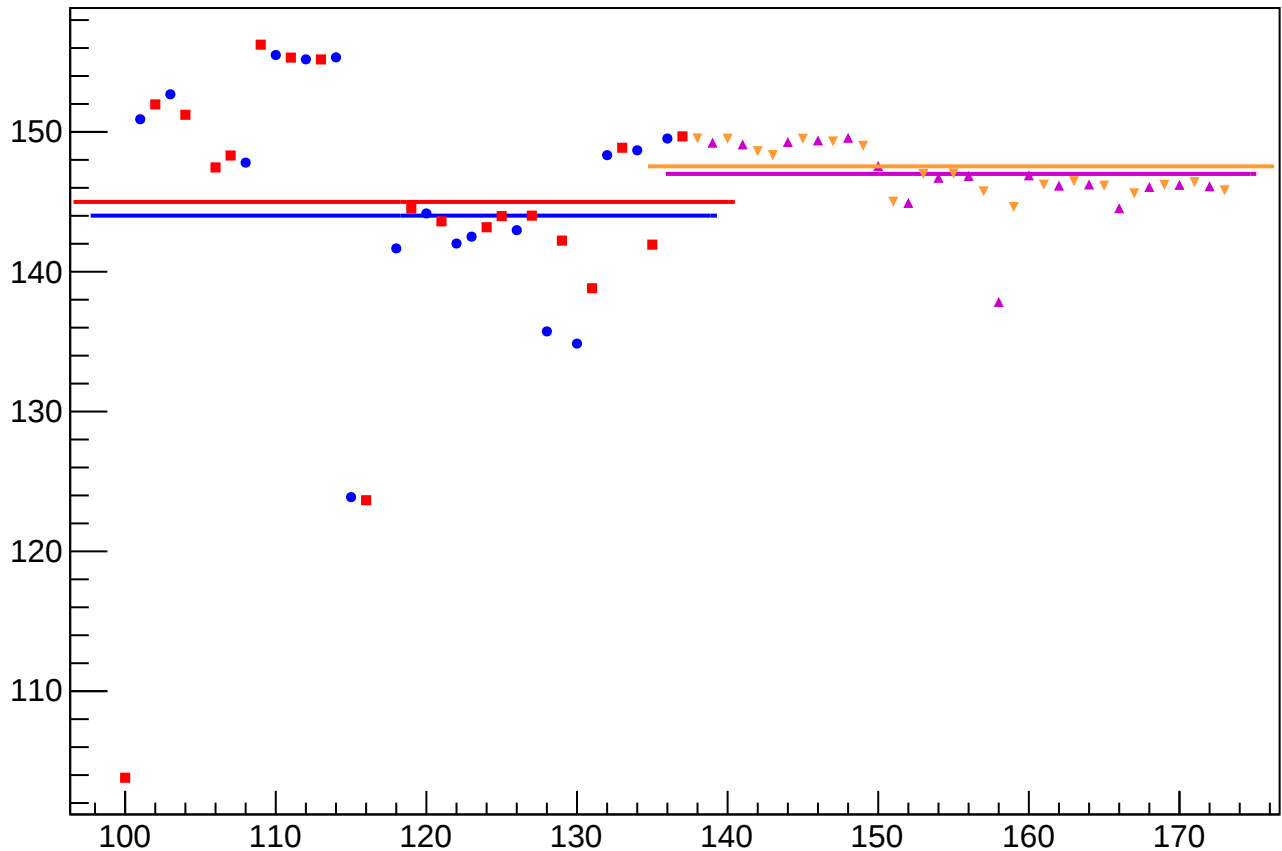
Left In: 0.412 ± 0.000 χ^2/NDF : 1015777.3/16

+ sign 0.370 ± 0.000 χ^2/NDF : 3129523.0/35

All: 0.372 ± 0.000 χ^2/NDF : 5870271.2/71

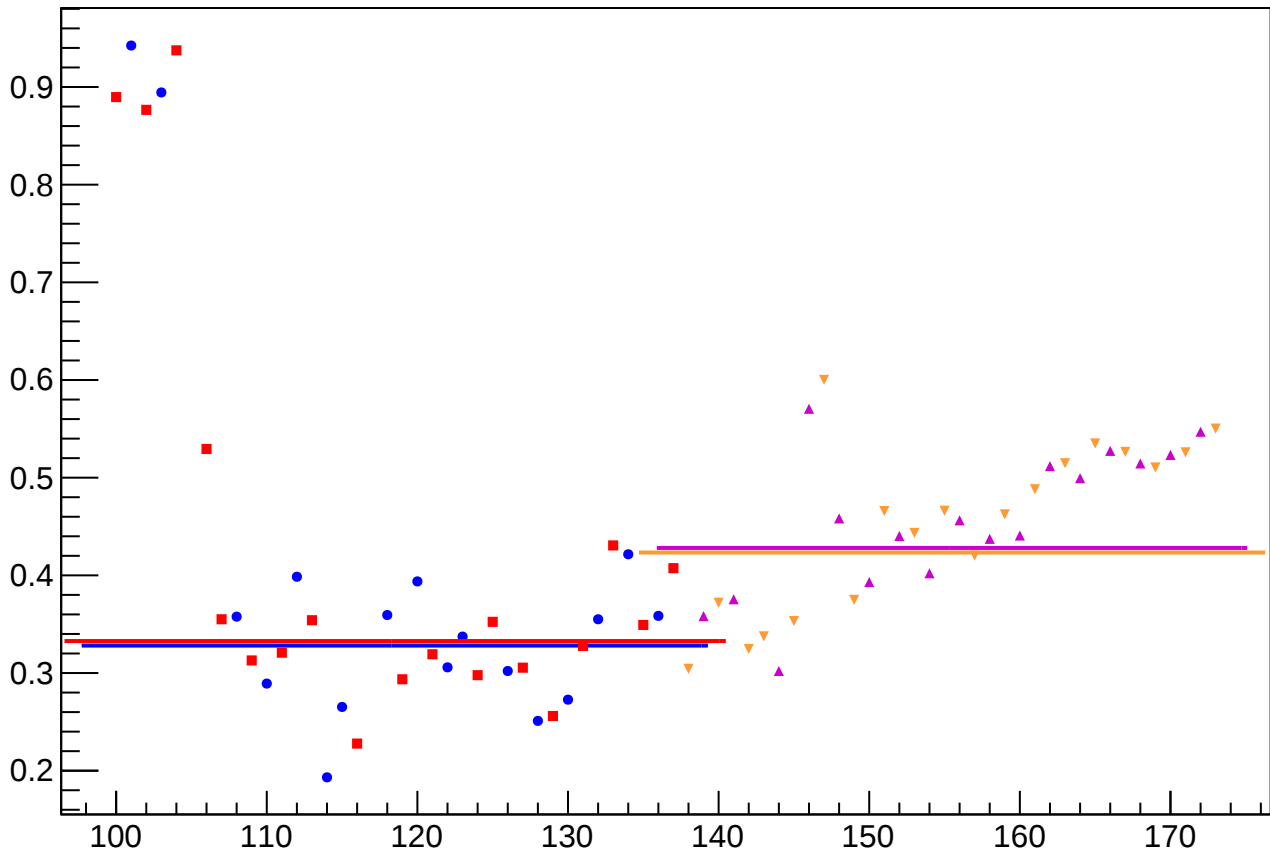
- sign 0.373 ± 0.000 χ^2/NDF : 2739524.9/35

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000	χ^2 /NDF: 3241696920.3/16	+ sign 146.091 $\pm$ 0.000	χ^2 /NDF: 3825843434.9/35
Left Out: 147.539 $\pm$ 0.000	χ^2 /NDF: 207856358.4/18	All: 146.105 $\pm$ 0.000	χ^2 /NDF: 8304333387.0
Right Out: 144.994 $\pm$ 0.000	χ^2 /NDF: 3852381452.1/18	- sign 146.119 $\pm$ 0.000	χ^2 /NDF: 4478441853.1/35
Left In: 146.996 $\pm$ 0.000	χ^2 /NDF: 507004816.9/16		

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 1265892.9/16

Left Out: 0.423 $\pm$ 0.000 χ^2 /NDF:1017907.6/18

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1185129.6/18

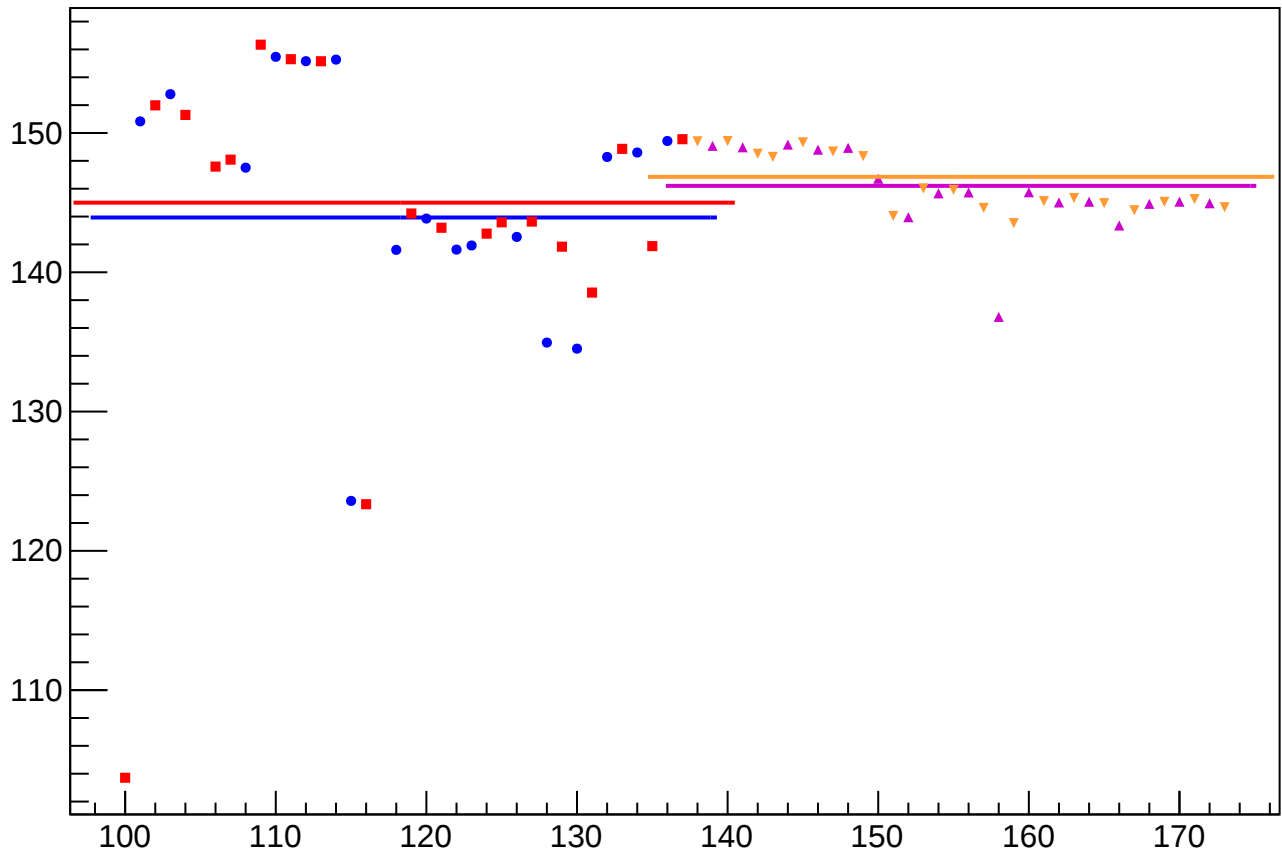
Left In: 0.428 $\pm$ 0.000 χ^2 /NDF:771186.9/16

+ sign 0.384 $\pm$ 0.000 χ^2 /NDF: 2833037.7/35

All: 0.385 $\pm$ 0.000 χ^2 /NDF: 5329083.5/71

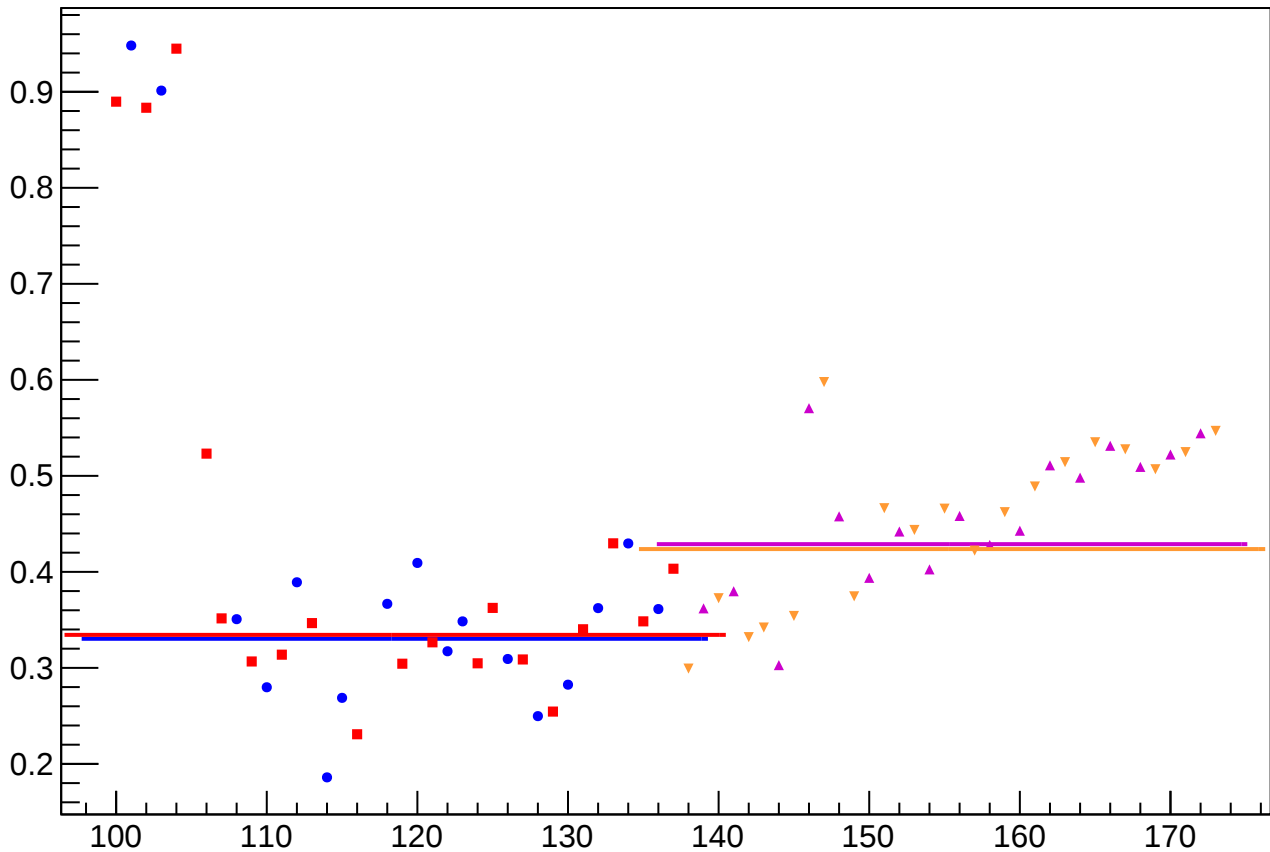
- sign 0.386 $\pm$ 0.000 χ^2 /NDF: 2495535.6/35

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000	χ^2 /NDF: 3383012861.2/16	+ sign 145.665 $\pm$ 0.000	χ^2 /NDF: 3961577129.5/35
Left Out: 146.854 $\pm$ 0.000	χ^2 /NDF: 323277621.6/18	All: 145.671 $\pm$ 0.000	χ^2 /NDF: 8566683170.6
Right Out: 144.998 $\pm$ 0.000	χ^2 /NDF: 3932958476.0/18	- sign 145.678 $\pm$ 0.000	χ^2 /NDF: 4605095280.3/35
Left In: 146.204 $\pm$ 0.000	χ^2 /NDF: 629320654.2/16		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.424 $\pm$ 0.000 χ^2 /NDF:1007101.6/18

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1174012.0/18

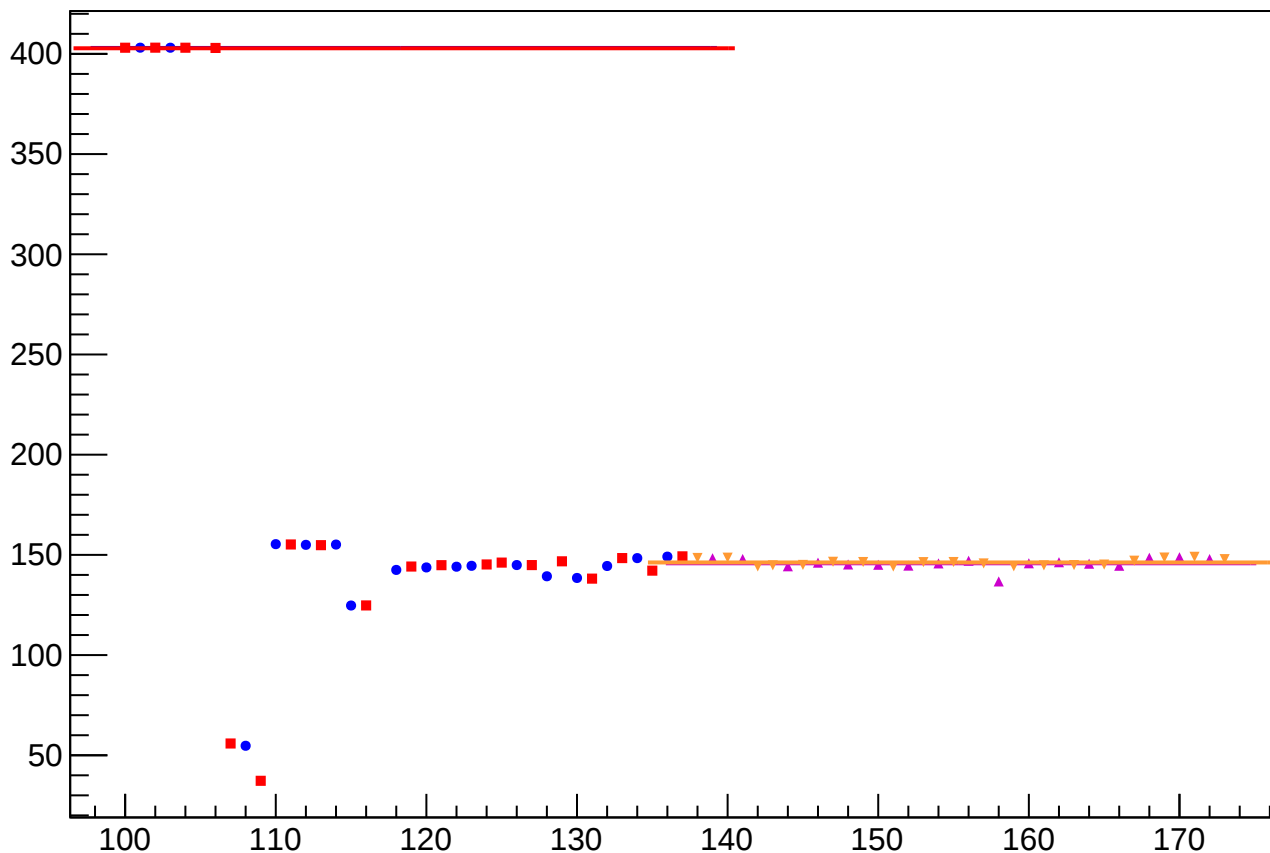
Left In: 0.429 $\pm$ 0.000 χ^2 /NDF:744170.0/16

+ sign 0.386 $\pm$ 0.000 χ^2 /NDF: 2813416.6/35

All: 0.387 $\pm$ 0.000 χ^2 /NDF: 5257739.2/71

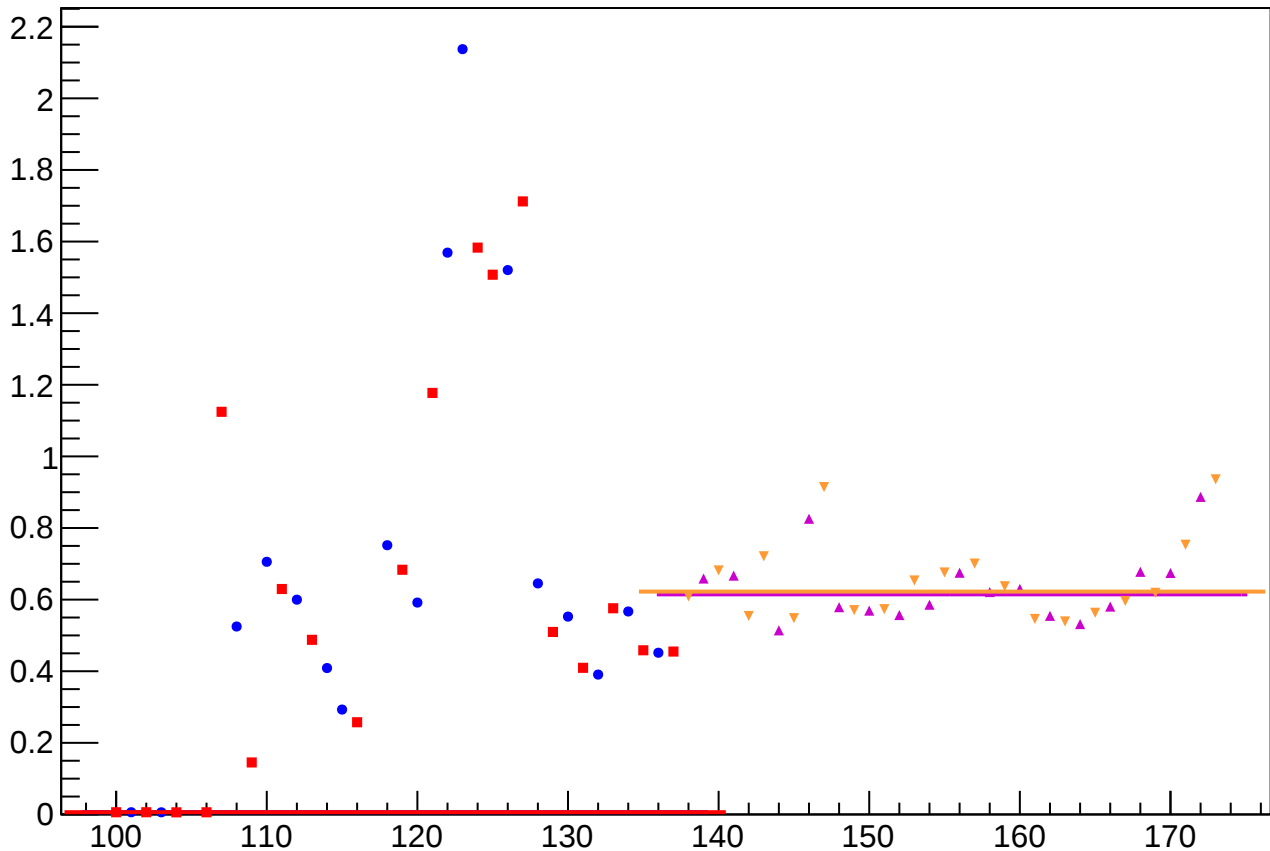
- sign 0.388 $\pm$ 0.000 χ^2 /NDF: 2443861.8/35

yield_cav4bQ_mean vs Slug



Right In: 402.958 $\pm$ 0.000 χ^2 /NDF: 1094364588383.4/16
 Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 73346646.5/18
 Right Out: 402.799 $\pm$ 0.000 χ^2 /NDF: 3102036567767.5/18
 Left In: 145.801 $\pm$ 0.000 χ^2 /NDF: 168896615.4/16
 + sign 402.732 $\pm$ 0.000 χ^2 /NDF: 2899711228287.0
 All: 402.667 $\pm$ 0.000 χ^2 /NDF: 771457663160
 - sign 402.610 $\pm$ 0.000 χ^2 /NDF: 4814618866130.8/

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.622+/-0.000 χ^2/NDF : 460134.7/18

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

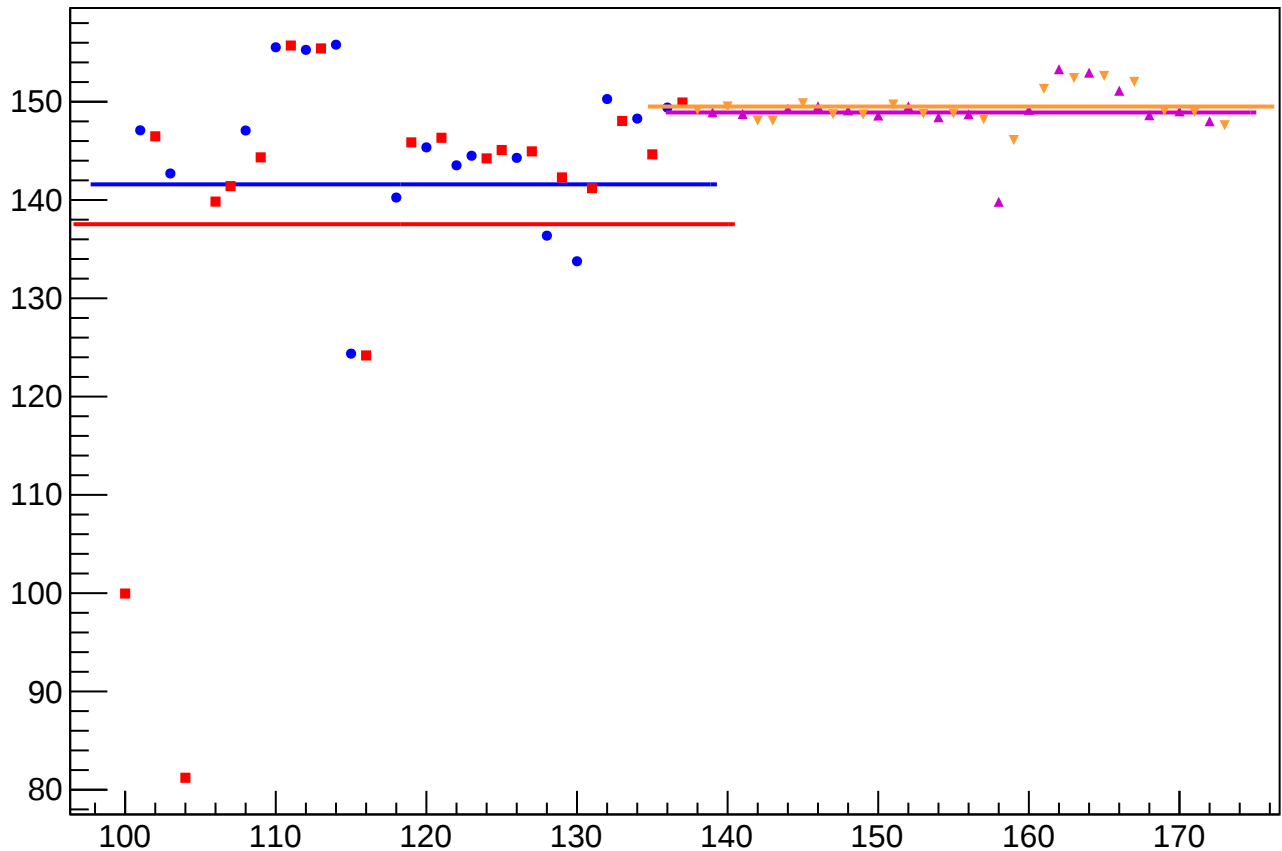
Left In: 0.615+/-0.000 χ^2/NDF : 345282.8/16

+ sign 0.007+/-0.000 χ^2/NDF : 30328680.7/35

All: 0.007+/-0.000 χ^2/NDF : 59058830.9/71

- sign 0.007+/-0.000 χ^2/NDF : 28729787.4/35

yield_cav4cQ_mean vs Slug



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 149.510 $\pm$ 0.000 χ^2 /NDF: 123113438.9/18

Right Out: 137.539 $\pm$ 0.000 χ^2 /NDF: 1316096307.7/18

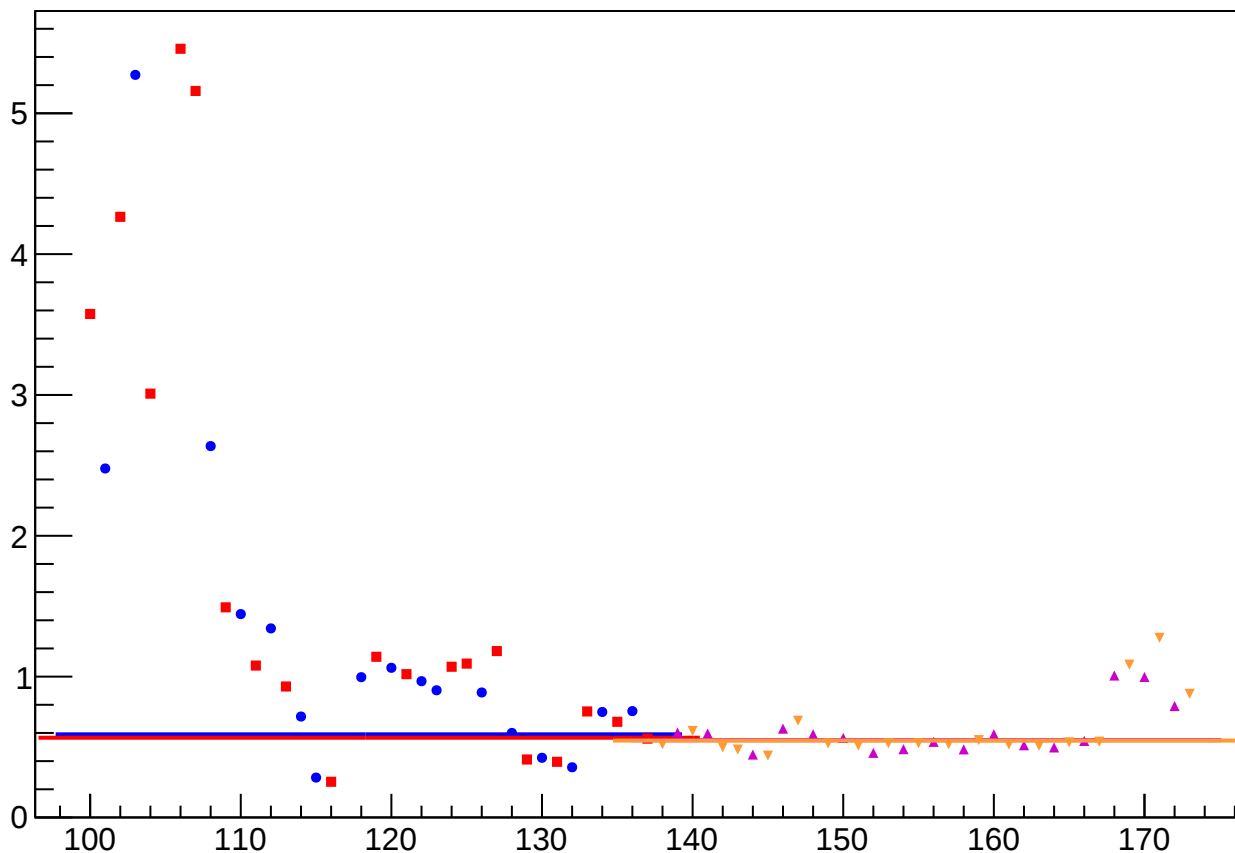
Left In: 148.905 $\pm$ 0.000 χ^2 /NDF: 363986462.1/16

+ sign 147.930 $\pm$ 0.000 χ^2 /NDF: 1609690584.2/35

All: 147.182 $\pm$ 0.000 χ^2 /NDF: 4417190420.3

- sign 146.396 $\pm$ 0.000 χ^2 /NDF: 2749472746.9/35

yield_cav4cQ_rms vs Slug



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.546 $\pm$ 0.000 χ^2 /NDF:1217795.5/18

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

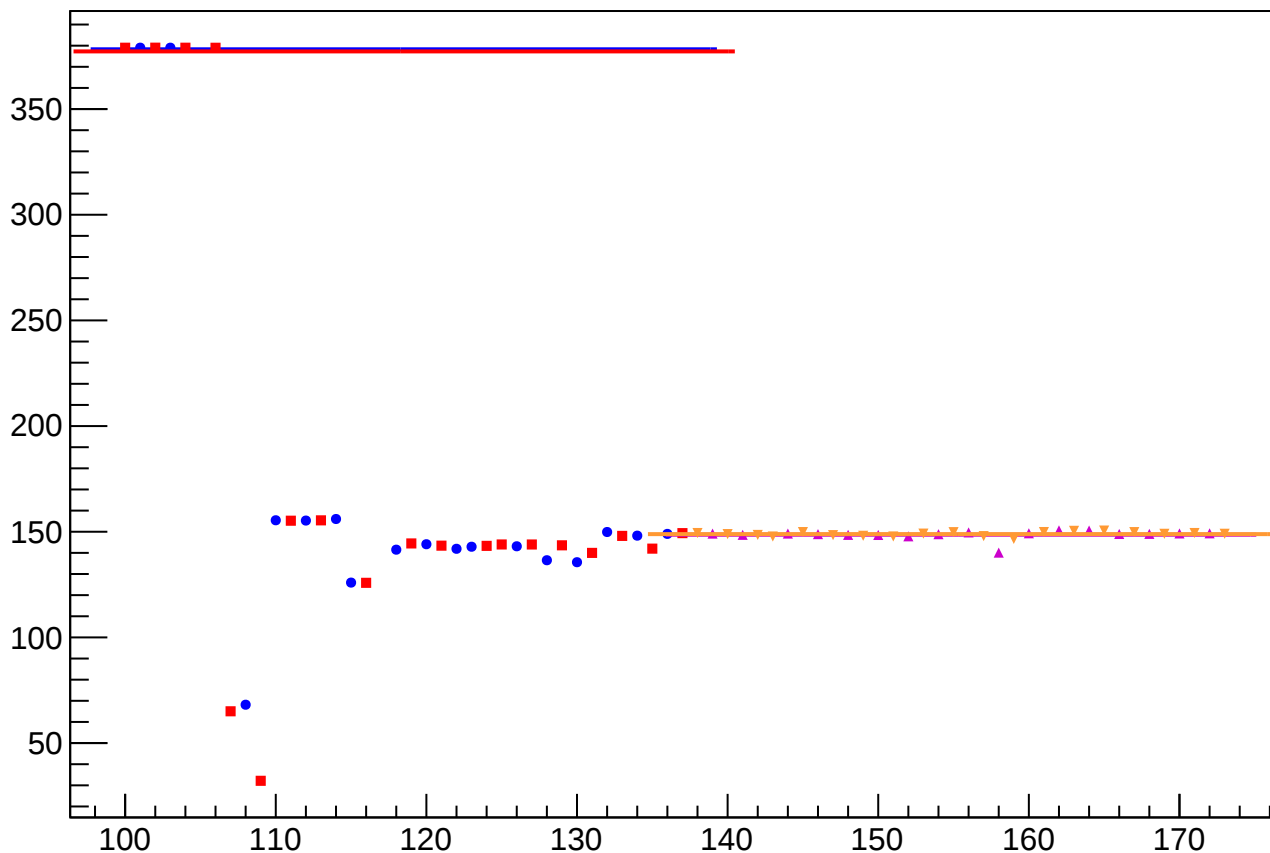
Left In: 0.549 $\pm$ 0.000 χ^2 /NDF:958898.6/16

+ sign 0.555 $\pm$ 0.000 χ^2 /NDF: 4741561.6/35

All: 0.554 $\pm$ 0.000 χ^2 /NDF: 10389255.3/71

- sign 0.553 $\pm$ 0.000 χ^2 /NDF: 5647457.4/35

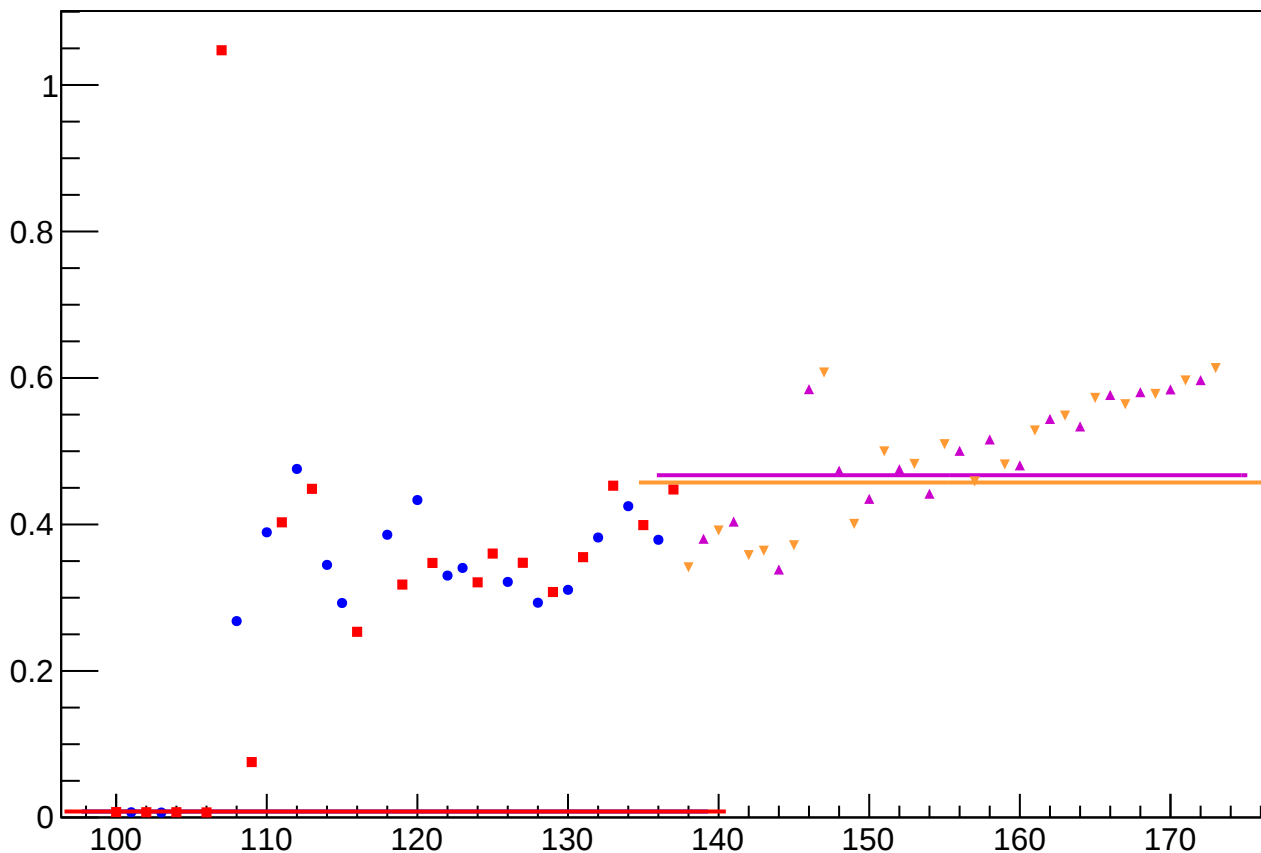
yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16
 Left Out: 148.870+/-0.000 χ^2/NDF : 60695847.9/18
 Right Out: 377.287+/-0.000 χ^2/NDF : 8286303106836.4/18
 Left In: 148.590+/-0.000 χ^2/NDF : 235643643.2/16

+ sign 377.192+/-0.000 χ^2/NDF : 5840390757892.9
 All: 376.785+/-0.000 χ^2/NDF : 171148466403
 - sign 376.428+/-0.000 χ^2/NDF : 11270295765351.1

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.457 $\pm$ 0.000 χ^2 /NDF: 1010781.0/18

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9522827.2/18

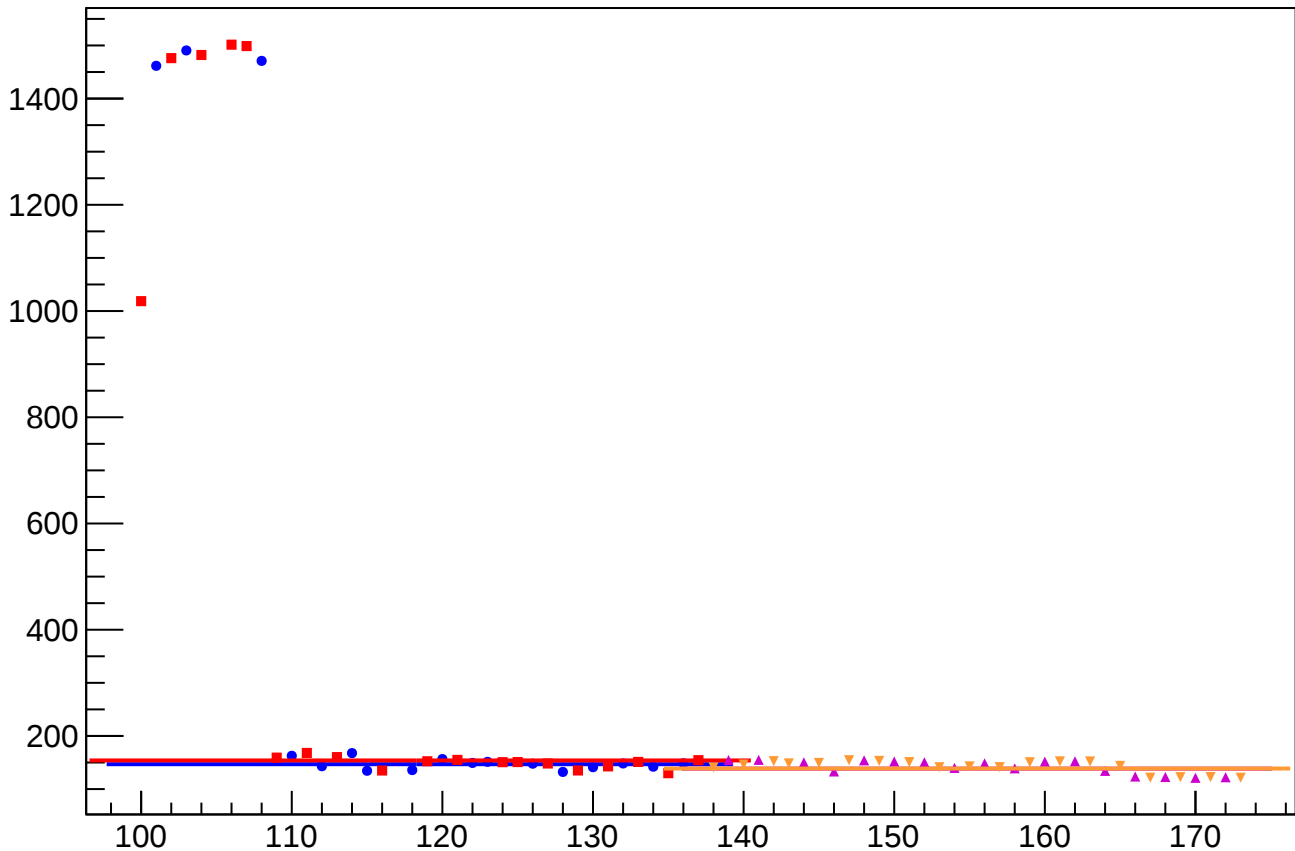
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 737081.2/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 36364837.4/35

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 70672802.2/71

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 34305846.5/35

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 138.683+/-0.000 χ^2/NDF : 2839454593.7/18

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

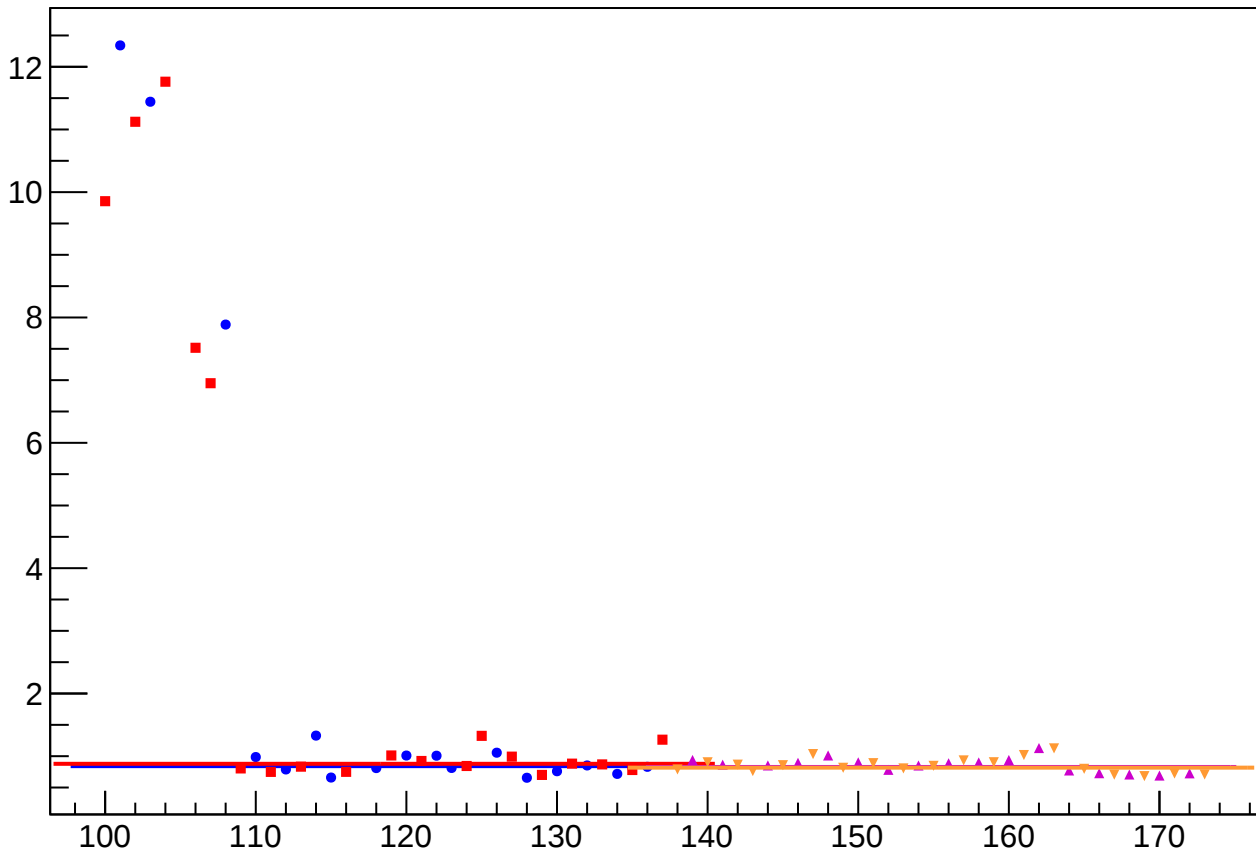
Left In: 138.427+/-0.000 χ^2/NDF : 2787202207.8/16

+ sign 140.582+/-0.000 χ^2/NDF : 27470393912.5/35

All: 141.396+/-0.000 χ^2/NDF : 64978276703.0

- sign 142.268+/-0.000 χ^2/NDF : 37476561755.5/35

yield_bcm0l02_rms vs Slug



Right In: 0.841 $\pm$ 0.000 χ^2 /NDF: 2662395.1/16

Left Out: 0.817 $\pm$ 0.000 χ^2 /NDF:434505.8/18

Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 2814626.6/18

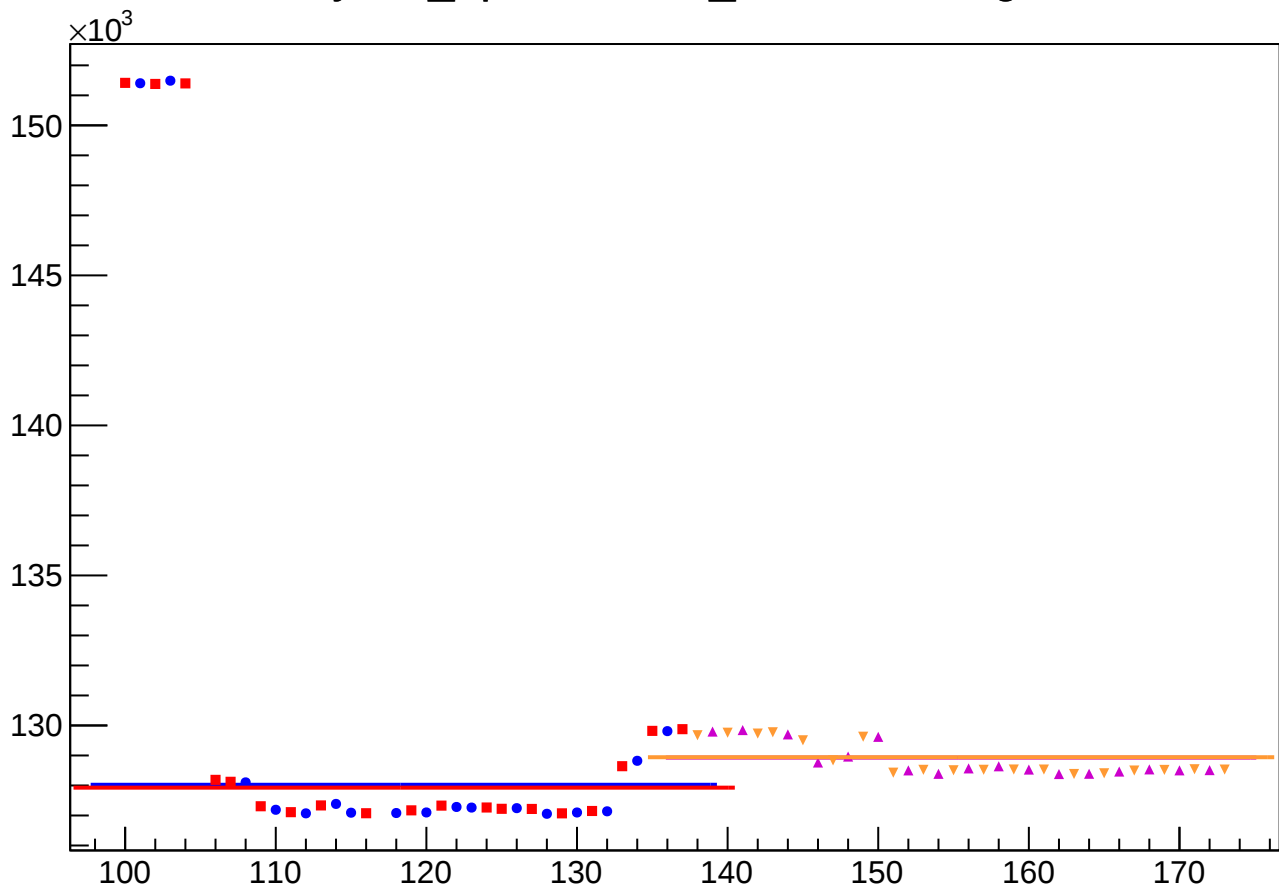
Left In: 0.828 $\pm$ 0.000 χ^2 /NDF:373121.6/16

+ sign 0.823 $\pm$ 0.000 χ^2 /NDF: 3101615.3/35

All: 0.831 $\pm$ 0.000 χ^2 /NDF: 6316442.2/71

- sign 0.840 $\pm$ 0.000 χ^2 /NDF: 3208017.1/35

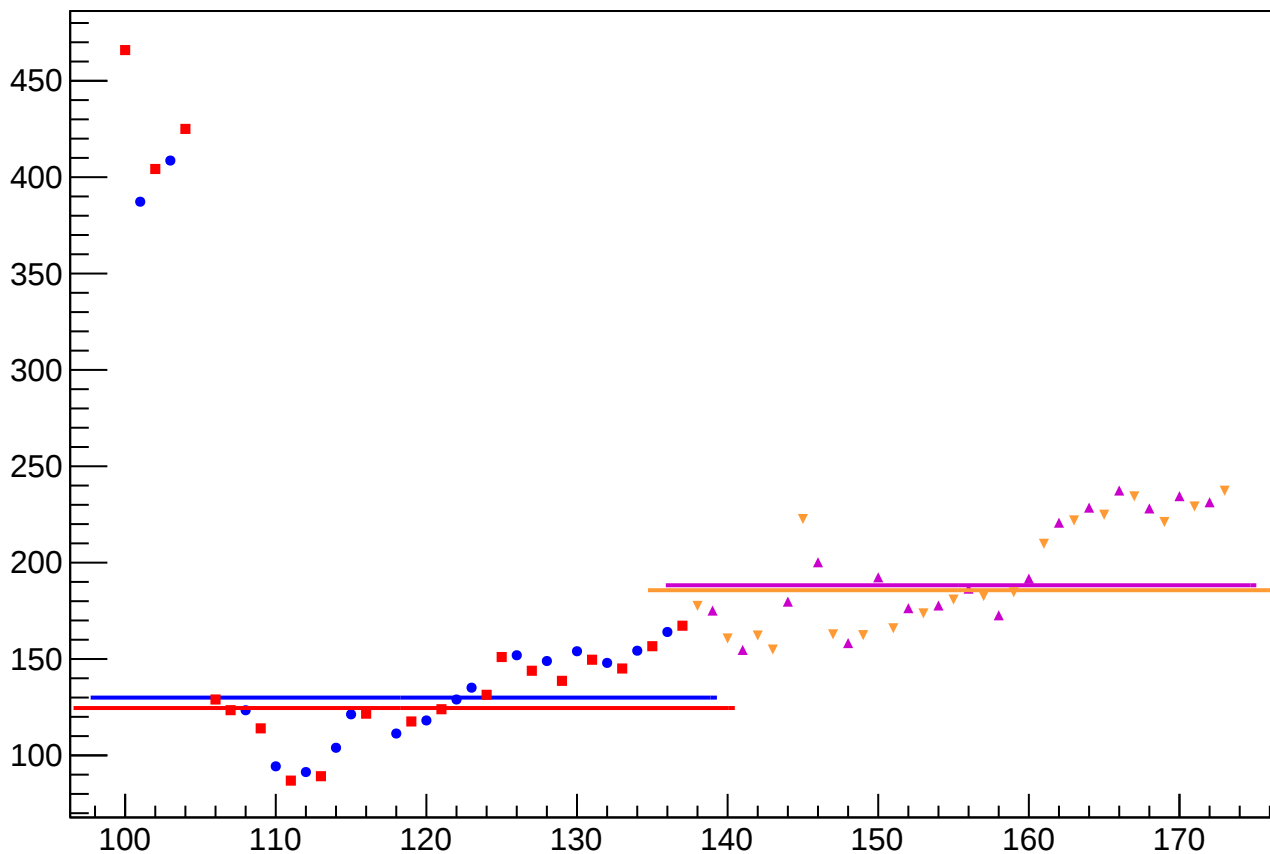
yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128941.504 $\pm$ 0.050 χ^2 /NDF: 126777085.1/18
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128928.722 $\pm$ 0.052 χ^2 /NDF: 112874649.8/16

+ sign 128522.630 $\pm$ 0.037 χ^2 /NDF: 4597351973.3
 All: 128464.403 $\pm$ 0.026 χ^2 /NDF: 867172009
 - sign 128407.763 $\pm$ 0.036 χ^2 /NDF: 4069440242.7

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 185.697 $\pm$ 0.035 χ^2 /NDF: 579601.3/18

Right Out: 124.566 $\pm$ 0.036 χ^2 /NDF: 1531273.9/18

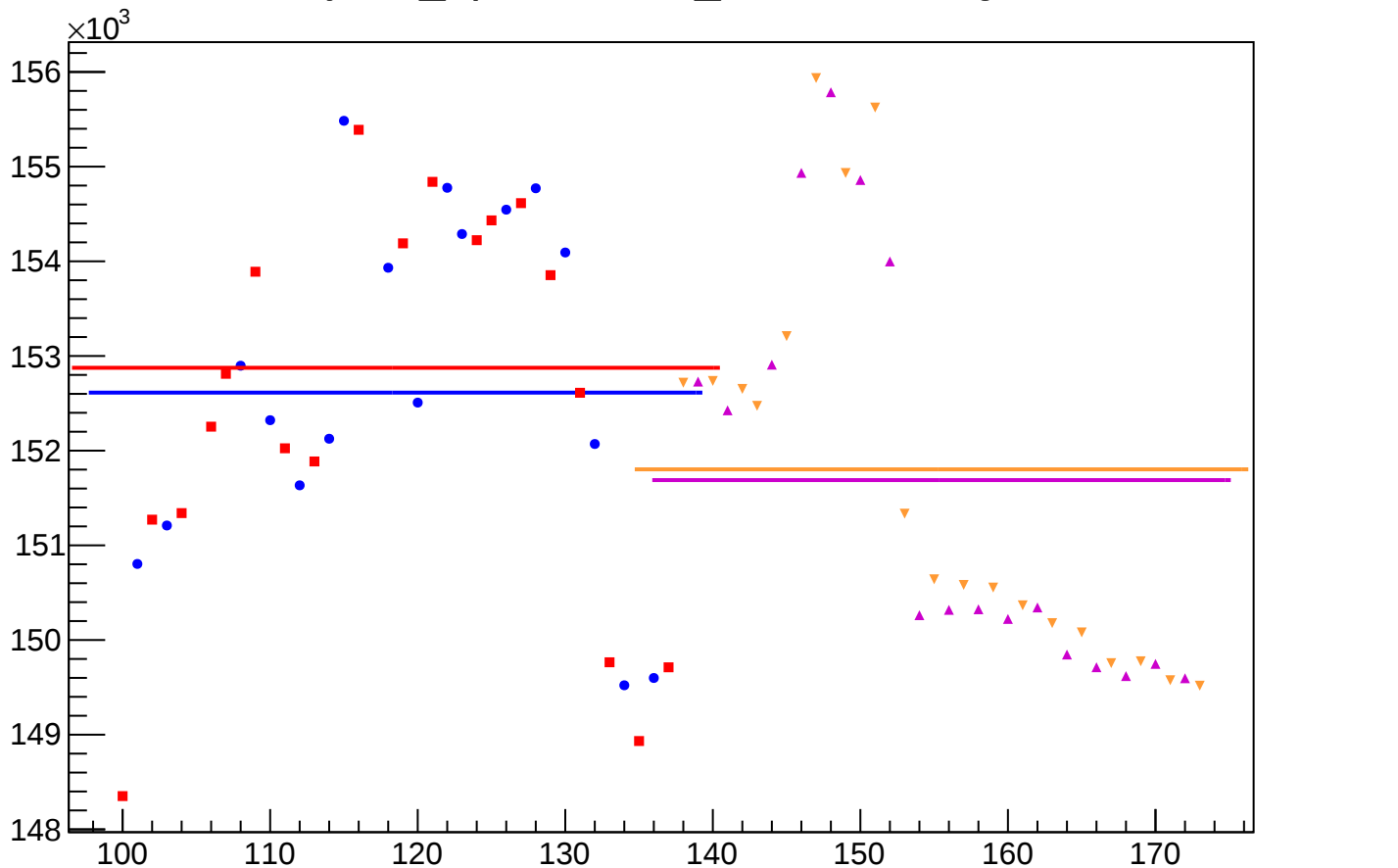
Left In: 188.266 $\pm$ 0.037 χ^2 /NDF: 460843.3/16

+ sign 160.273 $\pm$ 0.026 χ^2 /NDF: 3200050.1/35

All: 157.662 $\pm$ 0.018 χ^2 /NDF: 6746159.8/71

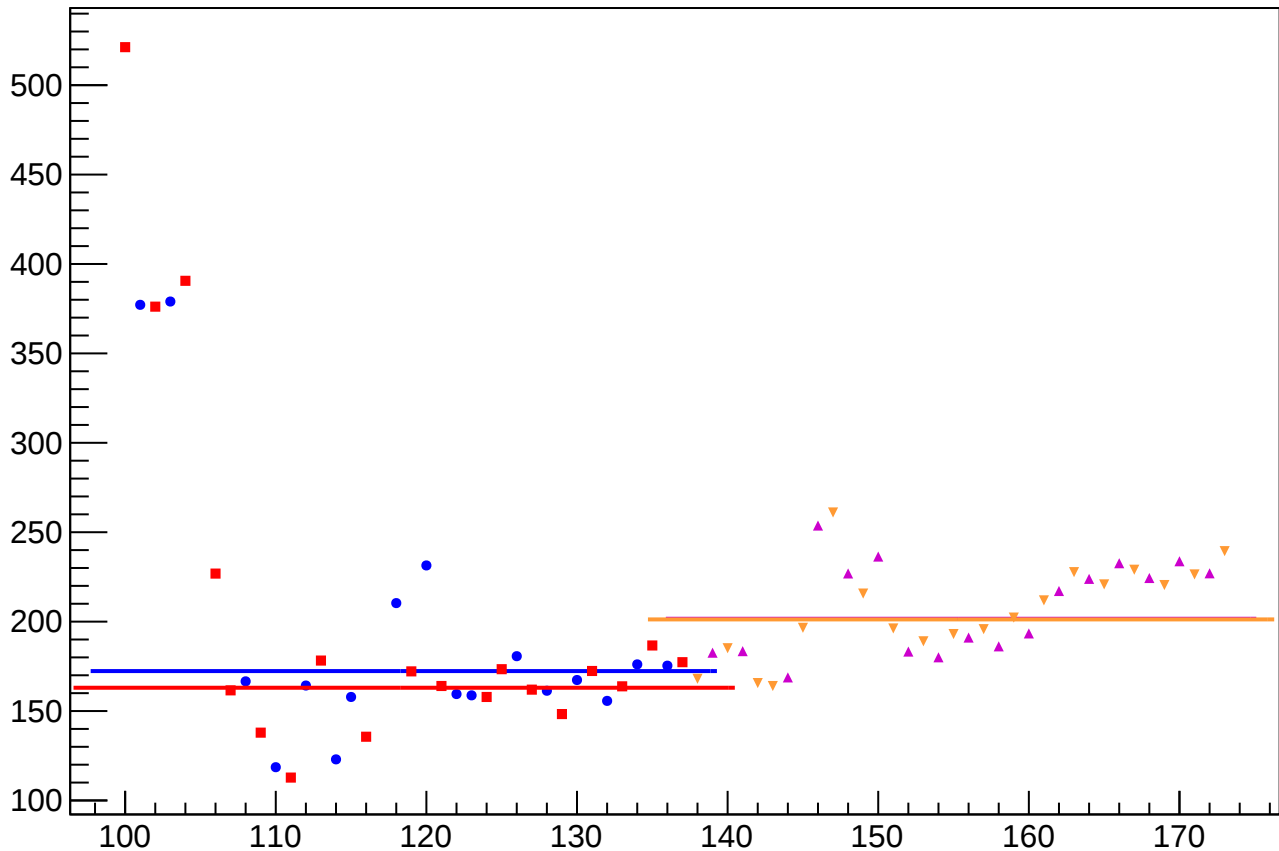
- sign 155.123 $\pm$ 0.026 χ^2 /NDF: 3526293.5/35

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072	χ^2 /NDF: 623356098.4/16	+ sign 152093.842 $\pm$ 0.043	χ^2 /NDF: 1945466818.0
Left Out: 151802.661 $\pm$ 0.054	χ^2 /NDF: 1241524203.0/18	All: 152140.417 $\pm$ 0.030	χ^2 /NDF: 407232742
Right Out: 152875.313 $\pm$ 0.066	χ^2 /NDF: 716358700.9/18	- sign 152185.983 $\pm$ 0.043	χ^2 /NDF: 2124573372.5/16
Left In: 151689.065 $\pm$ 0.056	χ^2 /NDF: 1221606170.9/16		

yield_bpm0i07WS_rms vs Slug



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 201.240+/-0.038 χ^2/NDF : 399994.1/18

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

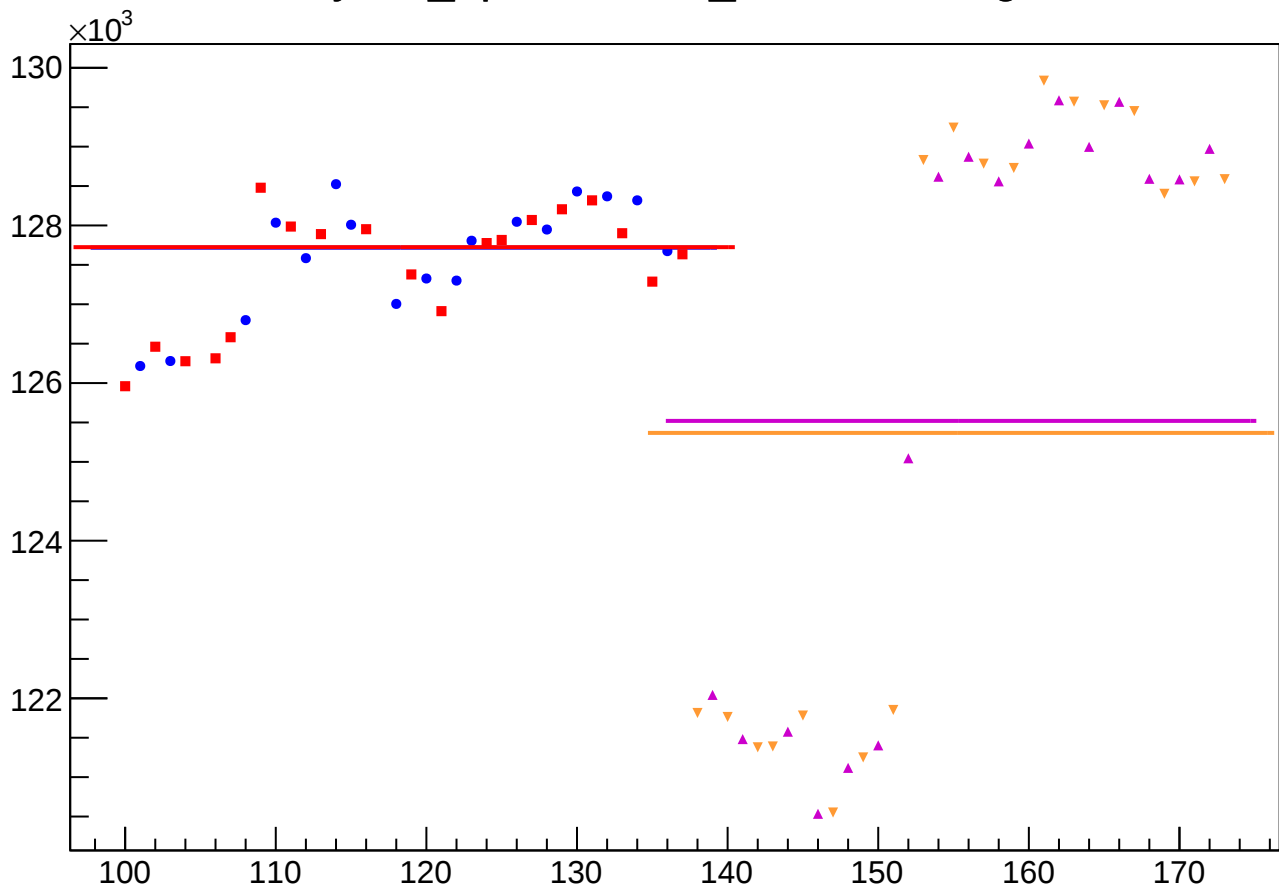
Left In: 201.611+/-0.040 χ^2/NDF : 381088.9/16

+ sign 190.861+/-0.031 χ^2/NDF : 1526680.2/35

All: 188.125+/-0.022 χ^2/NDF : 3351066.5/71

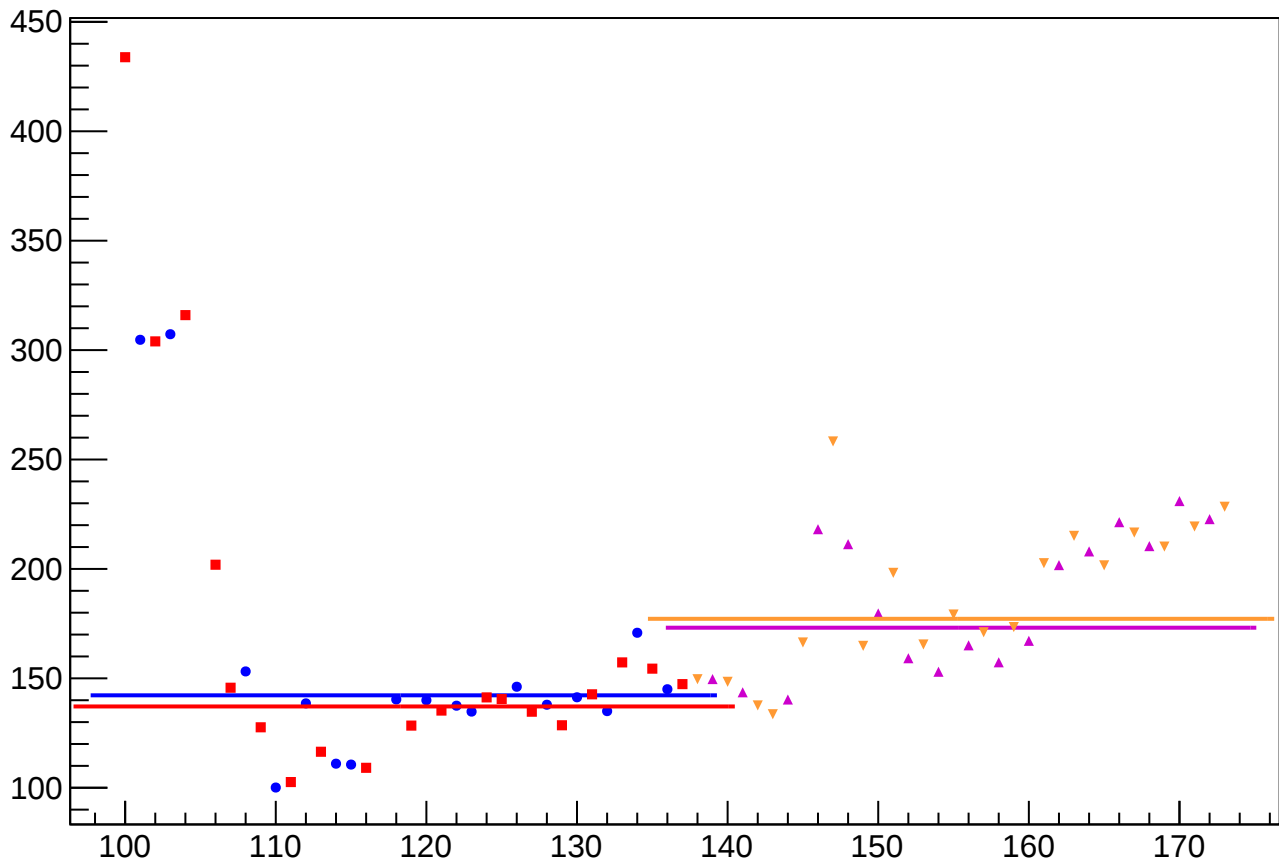
- sign 185.449+/-0.030 χ^2/NDF : 1808607.2/35

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058	χ^2 /NDF: 95177660.2/16	+ sign 126323.148 $\pm$ 0.037	χ^2 /NDF: 7135549921.7
Left Out: 125367.737 $\pm$ 0.048	χ^2 /NDF: 6075472386.1/18	All: 126413.306 $\pm$ 0.026	χ^2 /NDF: 135011196
Right Out: 127724.519 $\pm$ 0.055	χ^2 /NDF: 112550604.4/18	- sign 126499.529 $\pm$ 0.036	χ^2 /NDF: 6354054991.1
Left In: 125520.093 $\pm$ 0.049	χ^2 /NDF: 5333086036.9/16		

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 177.206 $\pm$ 0.034 χ^2 /NDF: 817699.3/18

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

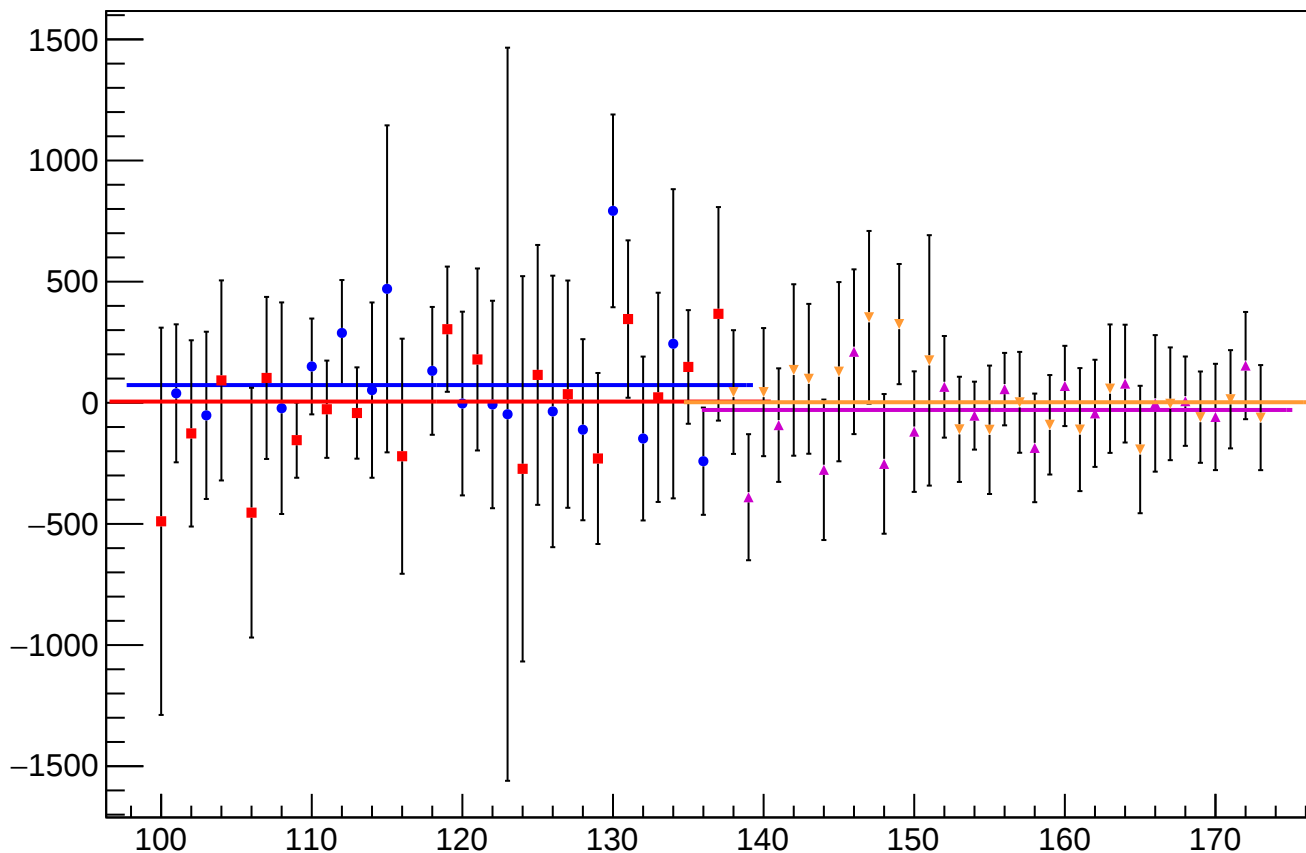
Left In: 173.139 $\pm$ 0.034 χ^2 /NDF: 716923.1/16

+ sign 162.991 $\pm$ 0.026 χ^2 /NDF: 2081289.3/35

All: 160.005 $\pm$ 0.018 χ^2 /NDF: 4265417.8/71

- sign 157.149 $\pm$ 0.026 χ^2 /NDF: 2158866.2/35

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 2.292+/-57.553 χ^2/NDF : 4.8/18

Right Out: 5.021+/-70.098 χ^2/NDF : 7.1/18

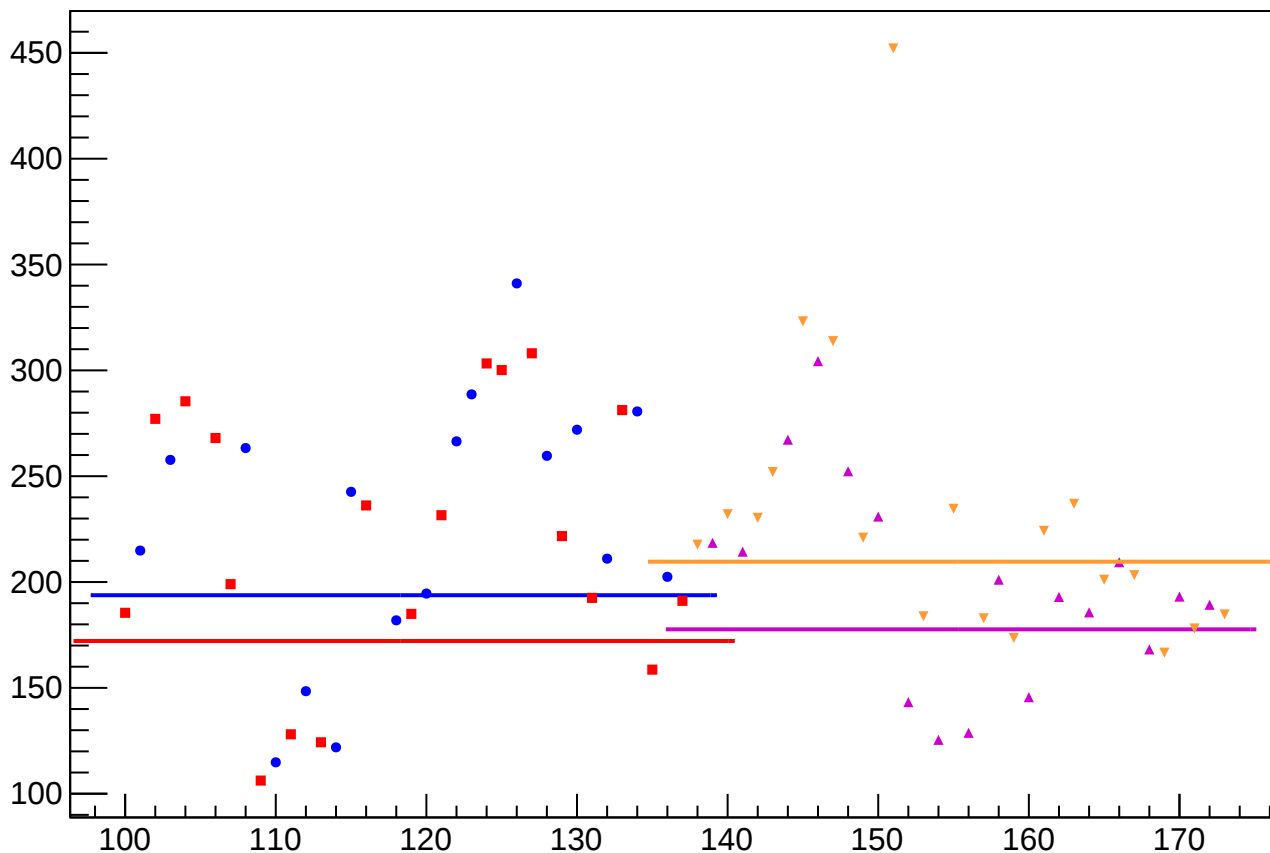
Left In: -29.608+/-51.507 χ^2/NDF : 6.3/16

+ sign 26.602+/-46.640 χ^2/NDF : 13.2/35

All: 2.010+/-31.006 χ^2/NDF : 27.2/71

- sign -17.467+/-41.507 χ^2/NDF : 13.6/35

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 209.607 $\pm$ 0.041 χ^2 /NDF:1215496.0/18

Right Out: 172.142 $\pm$ 0.050 χ^2 /NDF: 1580035.1/18

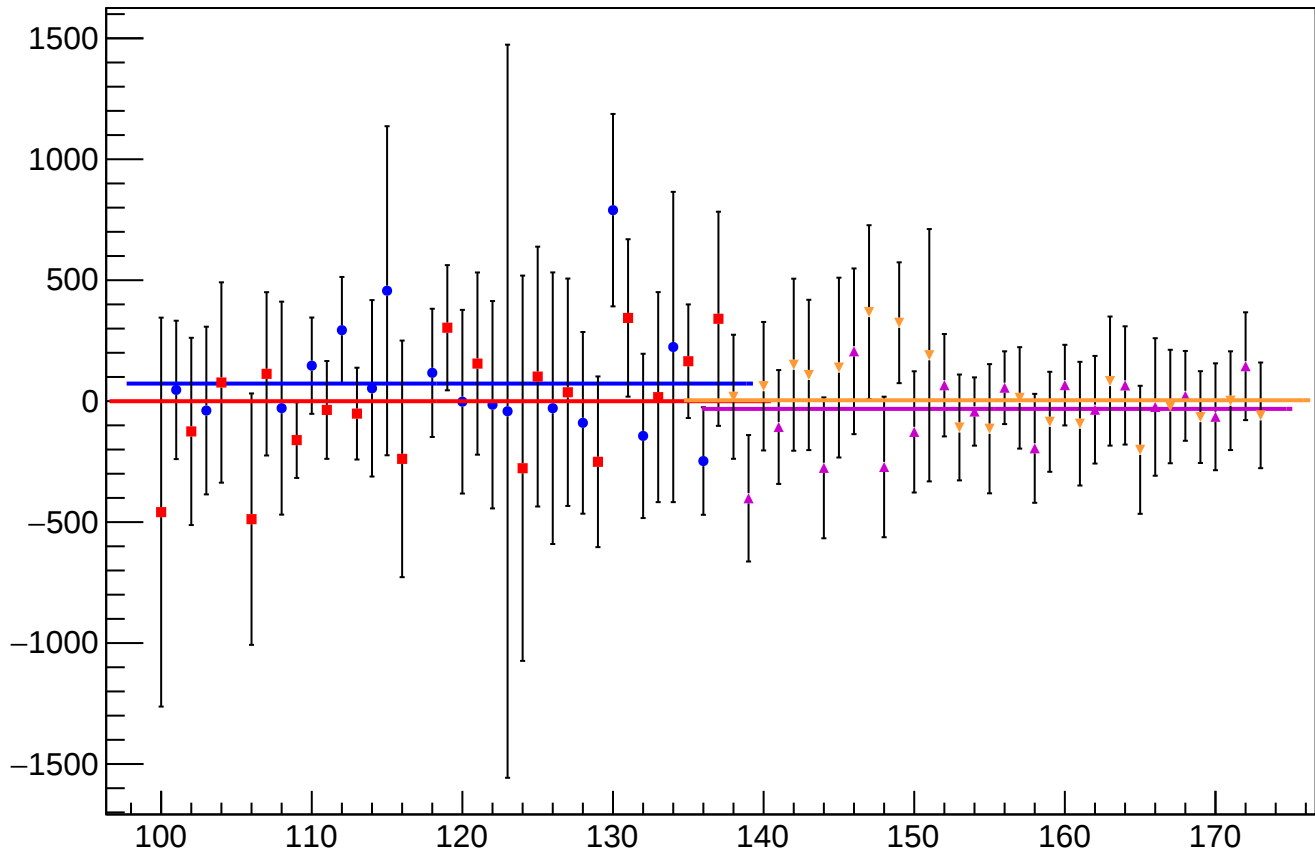
Left In: 177.644 $\pm$ 0.036 χ^2 /NDF:1492421.5/16

+ sign 204.171 $\pm$ 0.033 χ^2 /NDF: 2284546.5/35

All: 188.292 $\pm$ 0.022 χ^2 /NDF: 5780463.2/71

- sign 175.715 $\pm$ 0.029 χ^2 /NDF: 3080459.3/35

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675 $\pm$ 79.992 χ^2 /NDF: 7.8/16

Left Out: 3.761 $\pm$ 57.932 χ^2 /NDF: 5.0/18

Right Out: -0.181 $\pm$ 70.467 χ^2 /NDF: 7.3/18

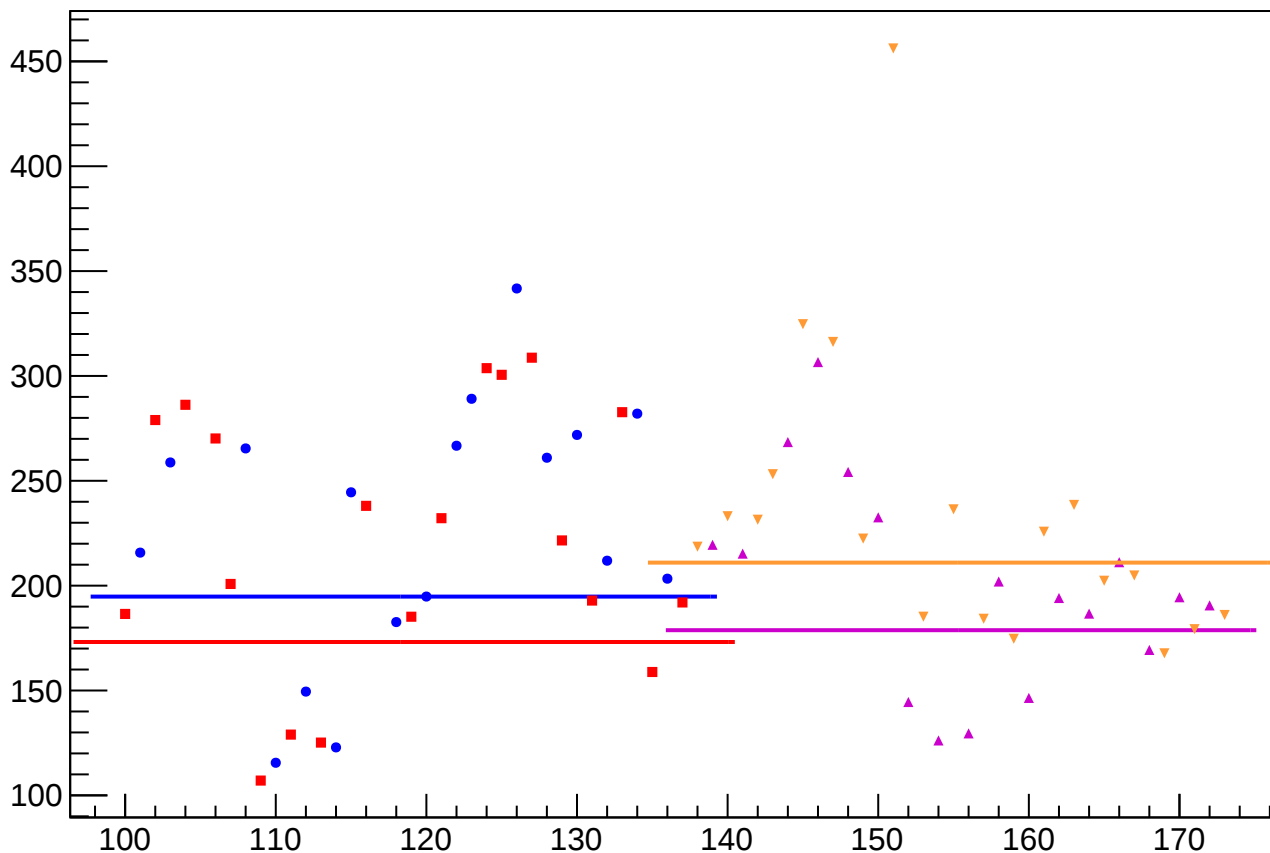
Left In: -32.037 $\pm$ 51.832 χ^2 /NDF: 6.4/16

+ sign 27.471 $\pm$ 46.920 χ^2 /NDF: 13.2/35

All: 0.503 $\pm$ 31.191 χ^2 /NDF: 27.7/71

- sign -20.853 $\pm$ 41.753 χ^2 /NDF: 13.8/35

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 210.986 $\pm$ 0.041 χ^2 /NDF:1214186.4/18

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

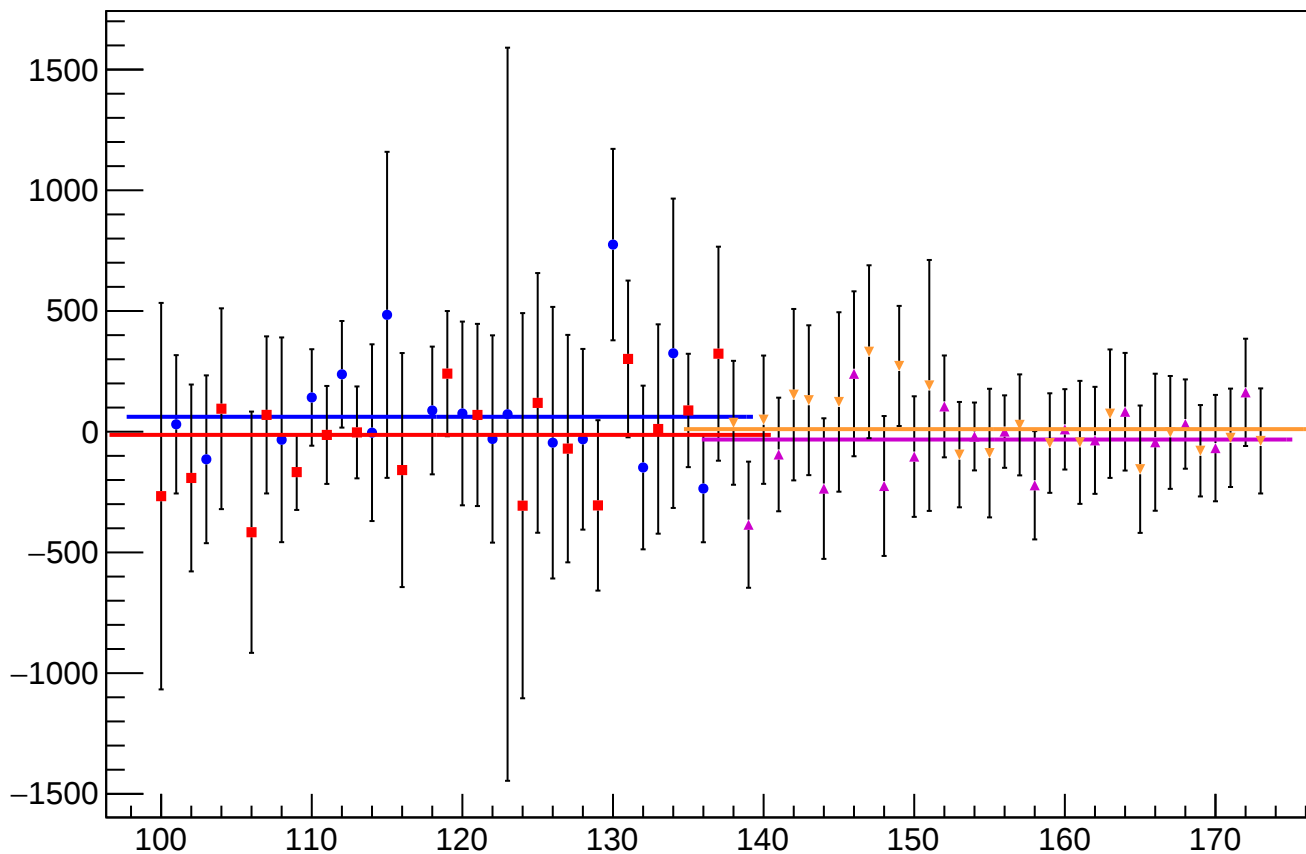
Left In: 178.761 $\pm$ 0.037 χ^2 /NDF:1491239.0/16

+ sign 205.411 $\pm$ 0.033 χ^2 /NDF: 2276312.0/35

All: 189.435 $\pm$ 0.022 χ^2 /NDF: 5758874.4/71

- sign 176.784 $\pm$ 0.030 χ^2 /NDF: 3067077.0/35

asym_bcm_an_us_mean vs Slug



Right In: 61.814 ± 79.986 χ^2/NDF : 7.3/16

Left Out: 10.690 ± 57.796 χ^2/NDF : 3.7/18

Right Out: -13.101 ± 70.391 χ^2/NDF : 5.8/18

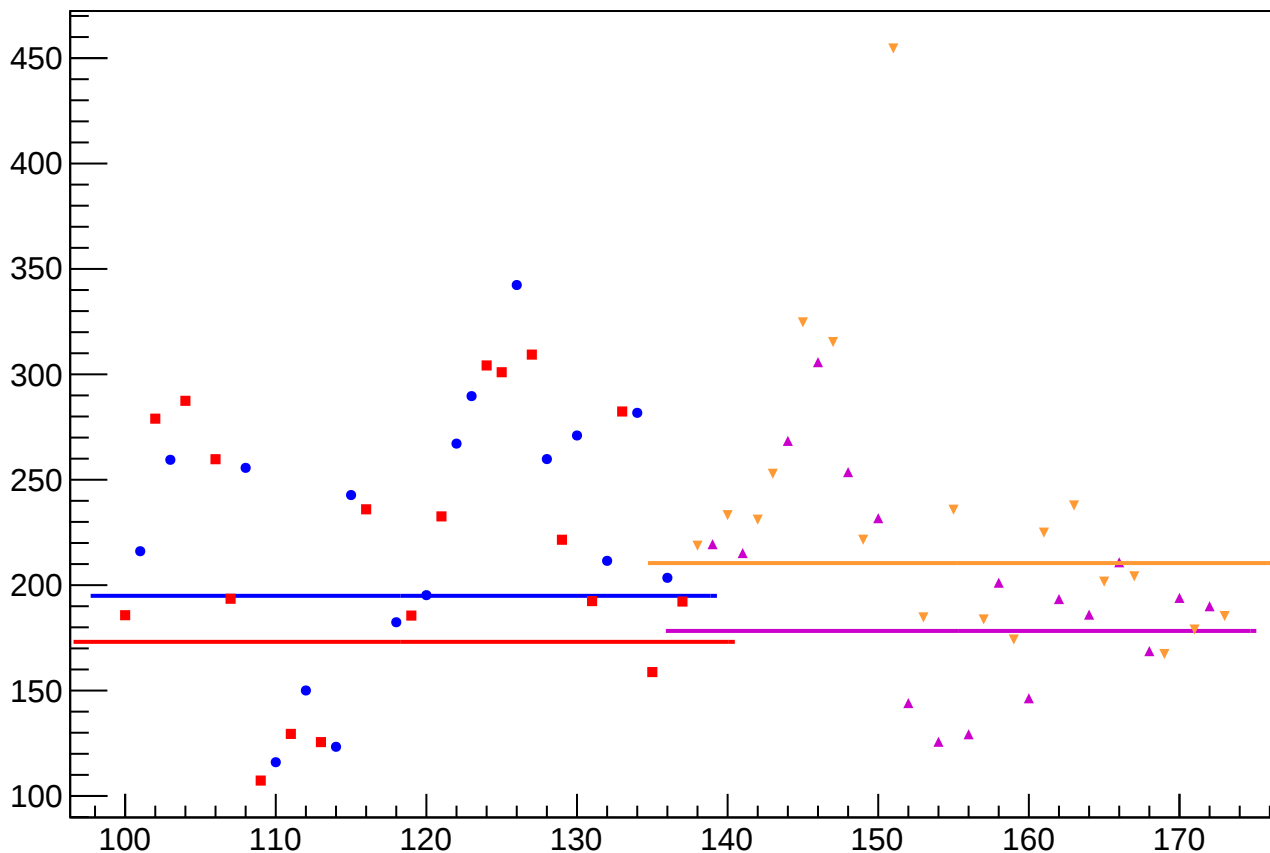
Left In: -32.371 ± 51.697 χ^2/NDF : 5.9/16

+ sign 28.226 ± 46.846 χ^2/NDF : 11.3/35

All: -1.836 ± 31.134 χ^2/NDF : 23.8/71

- sign -25.619 ± 41.667 χ^2/NDF : 11.7/35

asym_bcm_an_us_rms vs Slug



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 210.481 $\pm$ 0.041 χ^2 /NDF:1216350.3/18

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

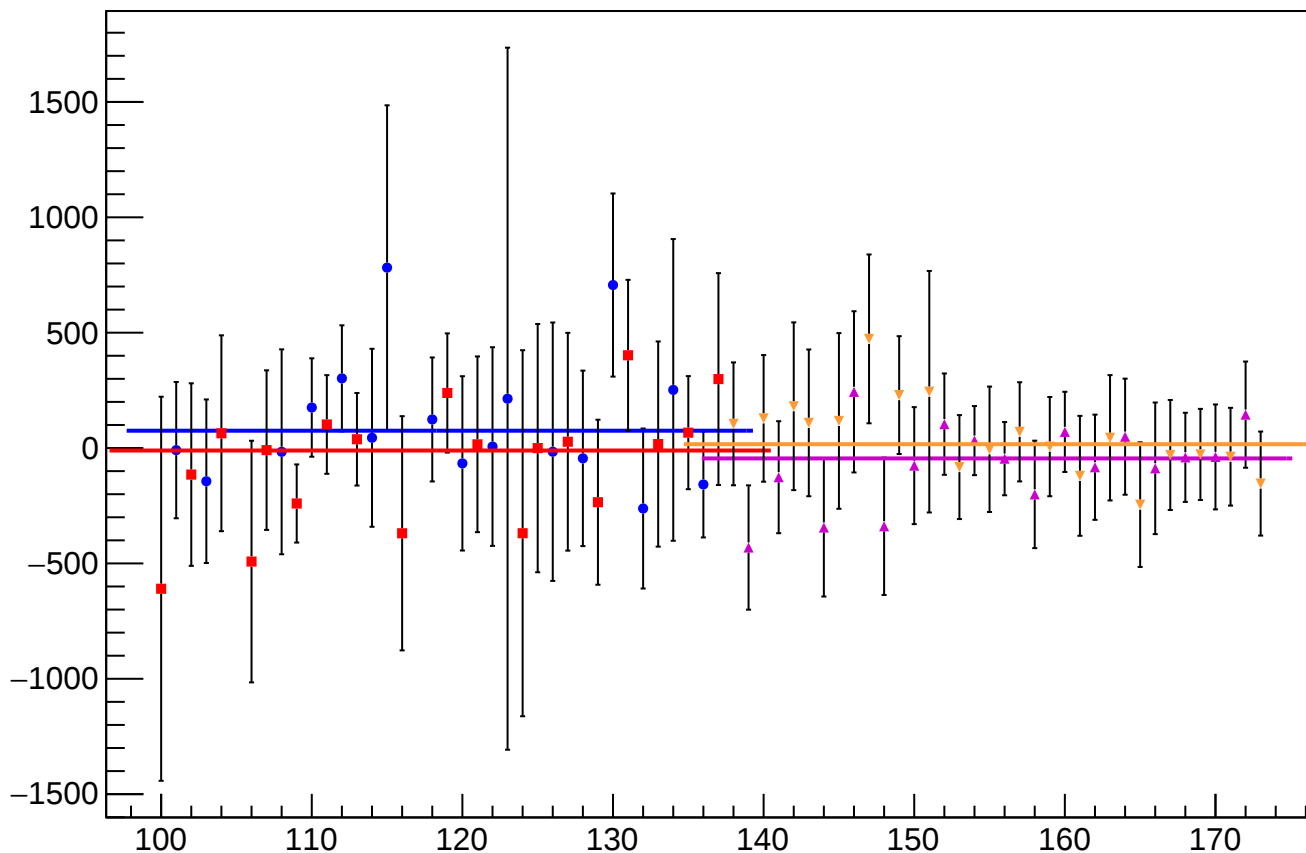
Left In: 178.285 $\pm$ 0.037 χ^2 /NDF:1494975.9/16

+ sign 205.150 $\pm$ 0.033 χ^2 /NDF: 2252588.0/35

All: 189.138 $\pm$ 0.022 χ^2 /NDF: 5717786.2/71

- sign 176.471 $\pm$ 0.029 χ^2 /NDF: 3046724.6/35

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 16.712 $\pm$ 59.551 χ^2 /NDF: 5.3/18

Right Out: -10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

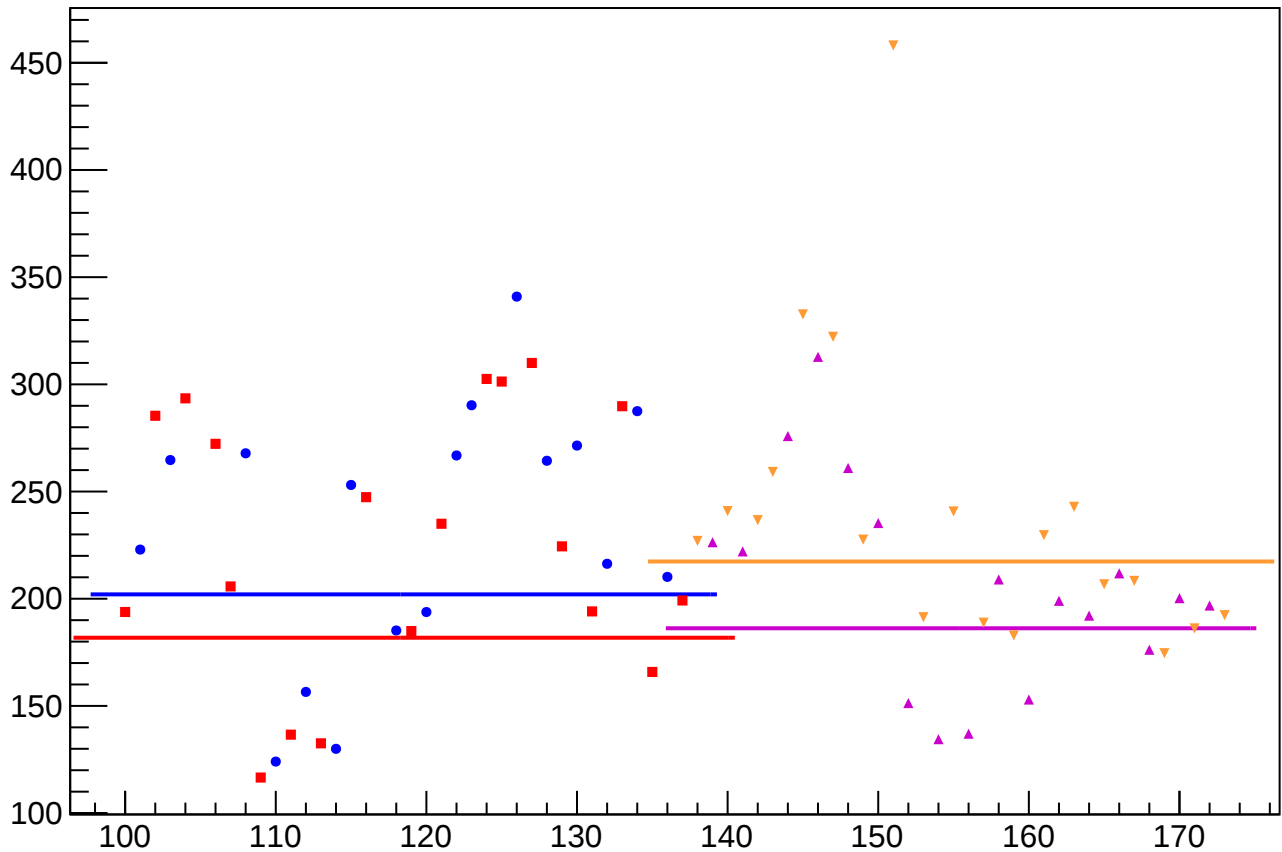
Left In: -44.953 $\pm$ 53.766 χ^2 /NDF: 7.3/16

+ sign 36.748 $\pm$ 48.287 χ^2 /NDF: 13.3/35

All: -1.846 $\pm$ 32.262 χ^2 /NDF: 29.7/71

- sign -32.969 $\pm$ 43.362 χ^2 /NDF: 15.3/35

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 217.364 $\pm$ 0.042 χ^2 /NDF:1149544.8/18

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

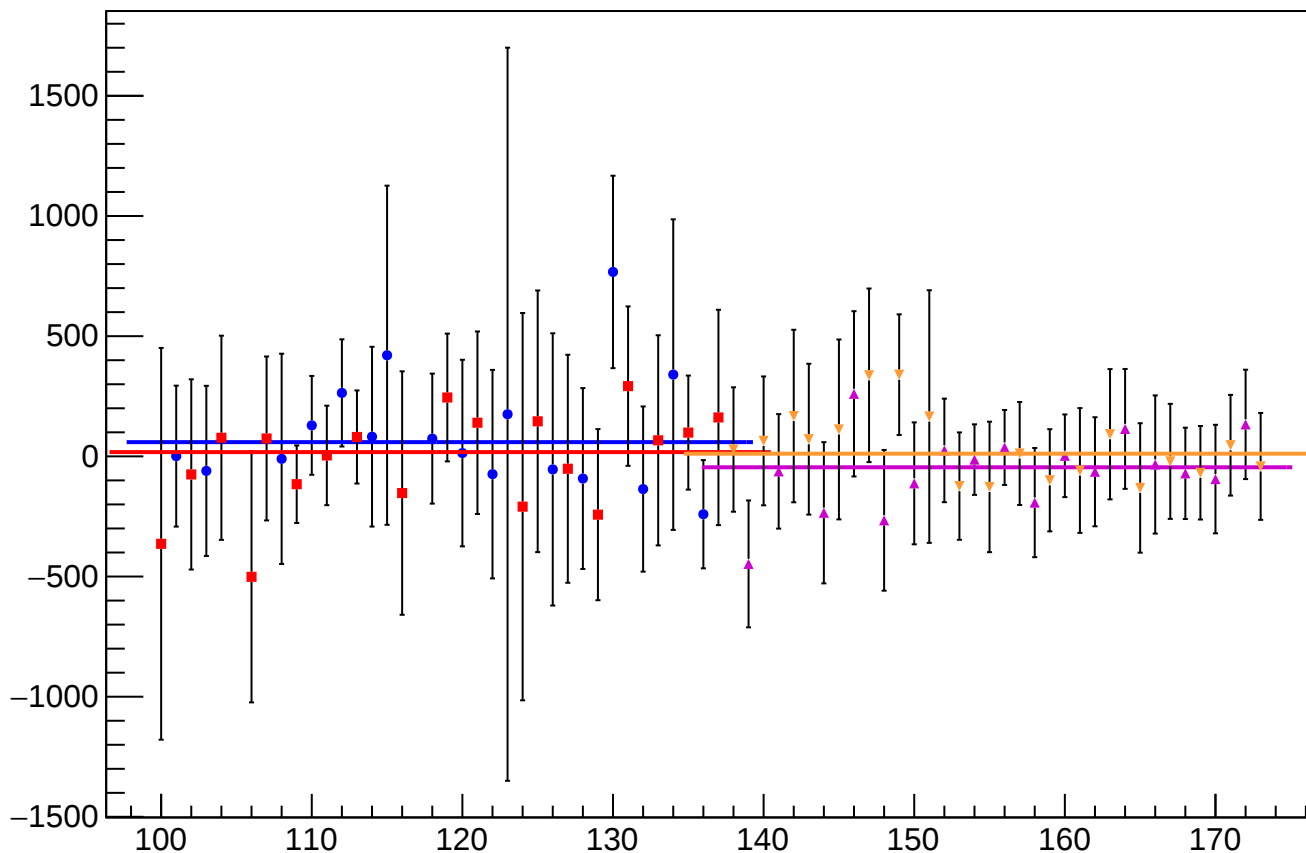
Left In: 186.223 $\pm$ 0.038 χ^2 /NDF:1345962.6/16

+ sign 212.111 $\pm$ 0.034 χ^2 /NDF: 2076580.4/35

All: 196.926 $\pm$ 0.023 χ^2 /NDF: 5162088.9/71

- sign 184.681 $\pm$ 0.031 χ^2 /NDF: 2728206.4/35

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 11.096 $\pm$ 58.950 χ^2 /NDF: 4.6/18

Right Out: 17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

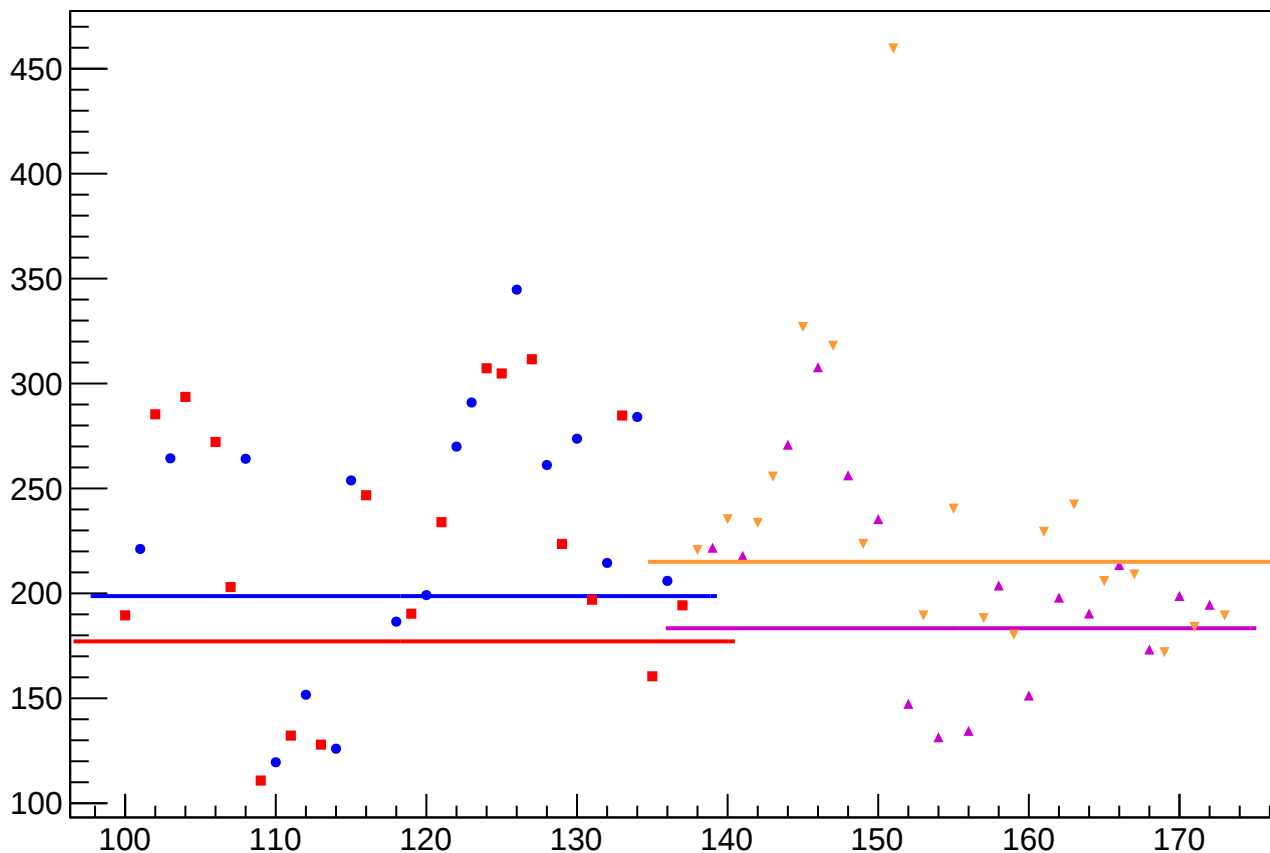
Left In: -45.438 $\pm$ 53.014 χ^2 /NDF: 6.2/16

+ sign 27.632 $\pm$ 47.748 χ^2 /NDF: 11.9/35

All: -0.626 $\pm$ 31.816 χ^2 /NDF: 23.9/71

- sign -23.192 $\pm$ 42.669 χ^2 /NDF: 11.4/35

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 215.034 $\pm$ 0.042 χ^2 /NDF:1154867.2/18

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

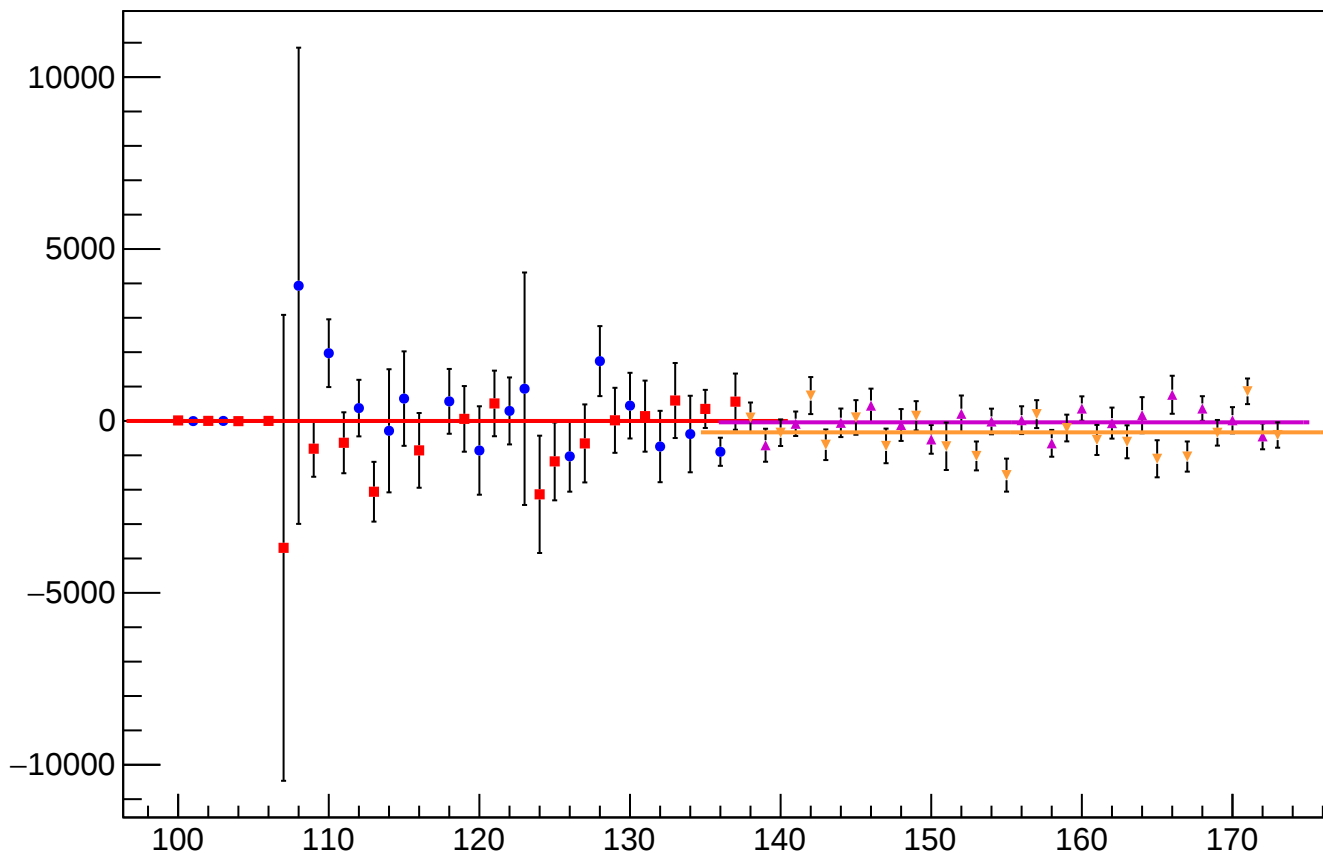
Left In: 183.381 $\pm$ 0.037 χ^2 /NDF:1371526.7/16

+ sign 209.418 $\pm$ 0.034 χ^2 /NDF: 2171052.8/35

All: 193.716 $\pm$ 0.022 χ^2 /NDF: 5466250.9/71

- sign 181.177 $\pm$ 0.030 χ^2 /NDF: 2906225.0/35

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -331.470 ± 100.752 χ^2/NDF : 35.2/18

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.4/18

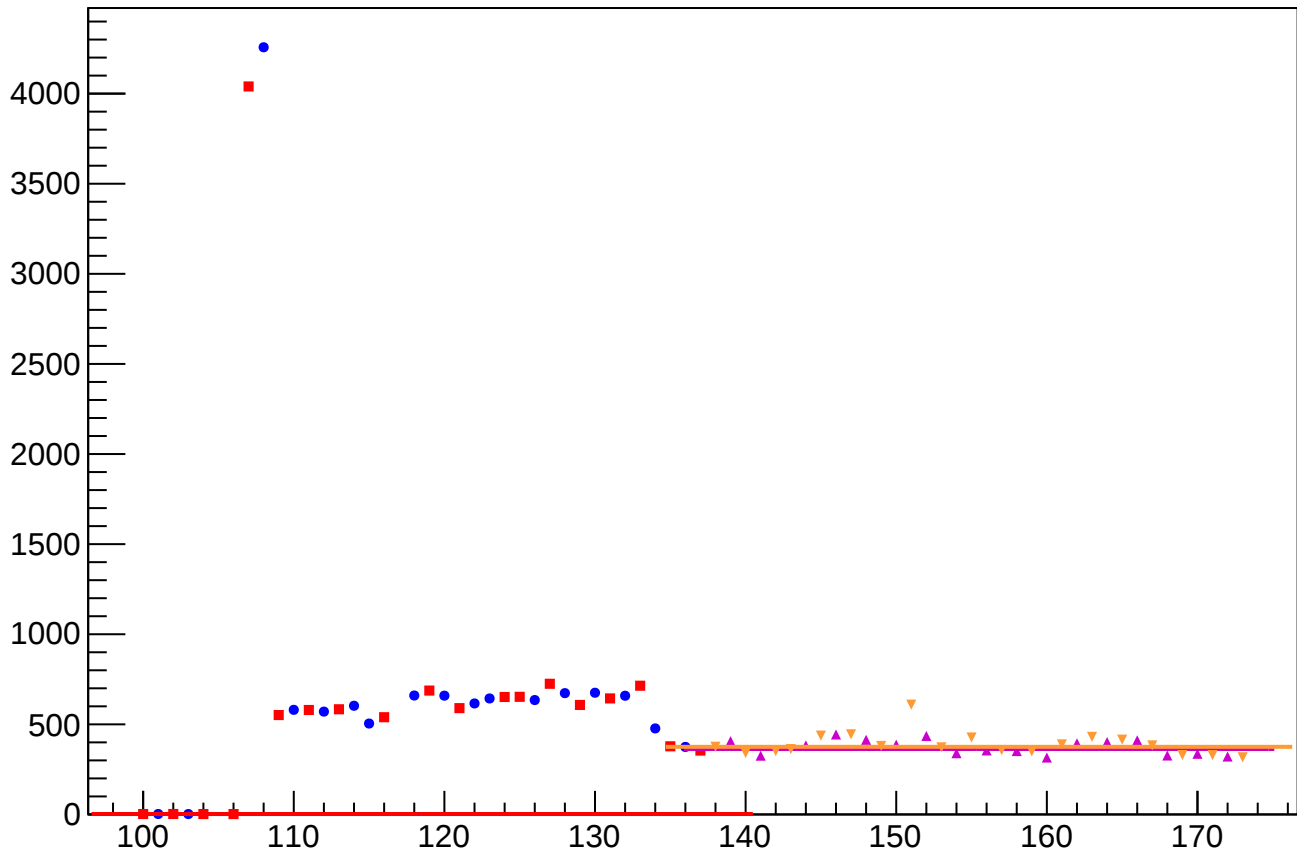
Left In: -40.040 ± 101.303 χ^2/NDF : 13.0/16

+ sign -1.694 ± 2.251 χ^2/NDF : 62.6/35

All: -1.191 ± 1.540 χ^2/NDF : 94.3/71

- sign -0.749 ± 2.111 χ^2/NDF : 31.6/35

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 375.324+/-0.071 χ^2/NDF : 505396.7/18

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

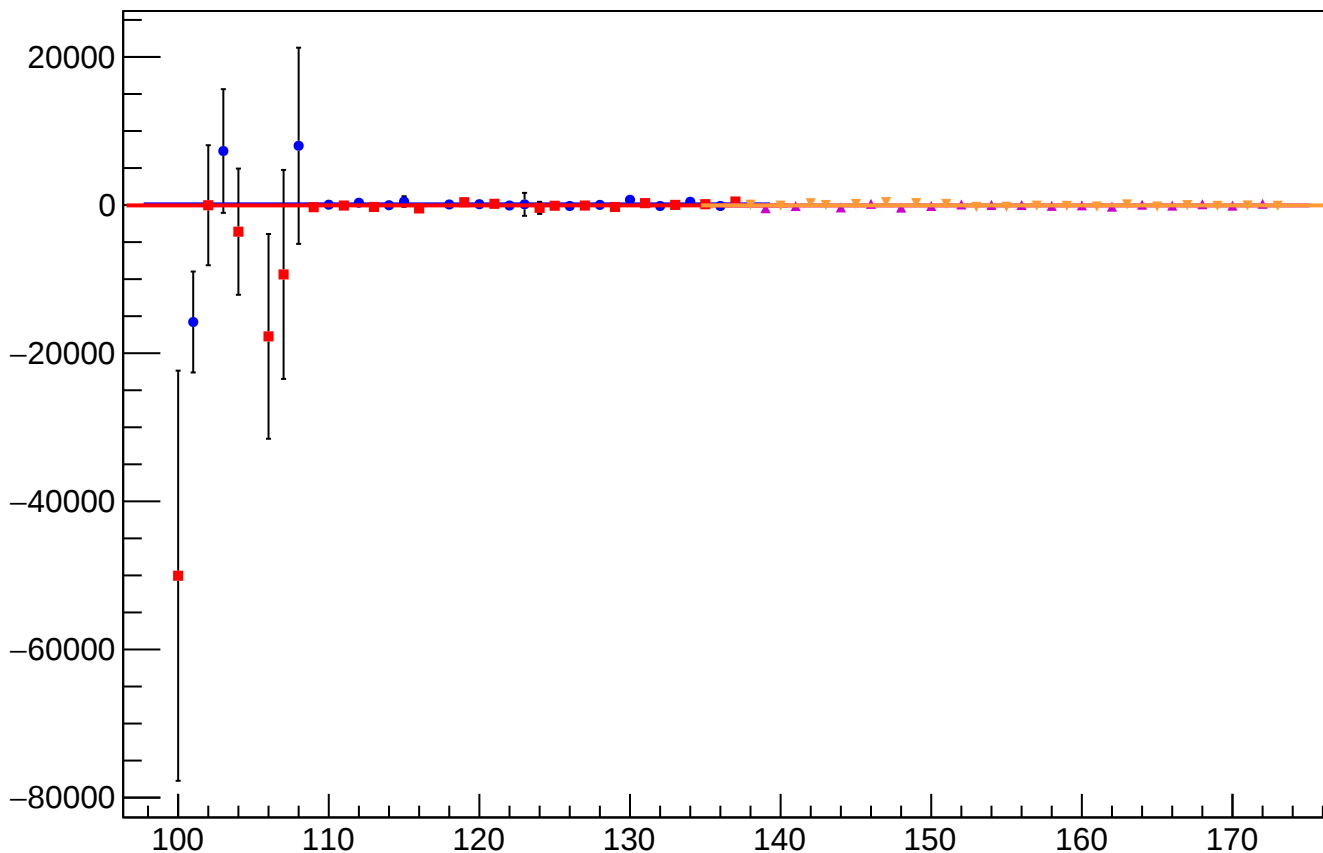
Left In: 363.267+/-0.072 χ^2/NDF : 299177.0/16

+ sign 2.642+/-0.002 χ^2/NDF : 38590378.9/35

All: 2.616+/-0.001 χ^2/NDF : 75393327.8/71

- sign 2.593+/-0.001 χ^2/NDF : 36802446.1/35

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -41.400+/-61.445 χ^2/NDF : 6.0/18

Right Out: -42.617+/-84.547 χ^2/NDF : 14.0/18

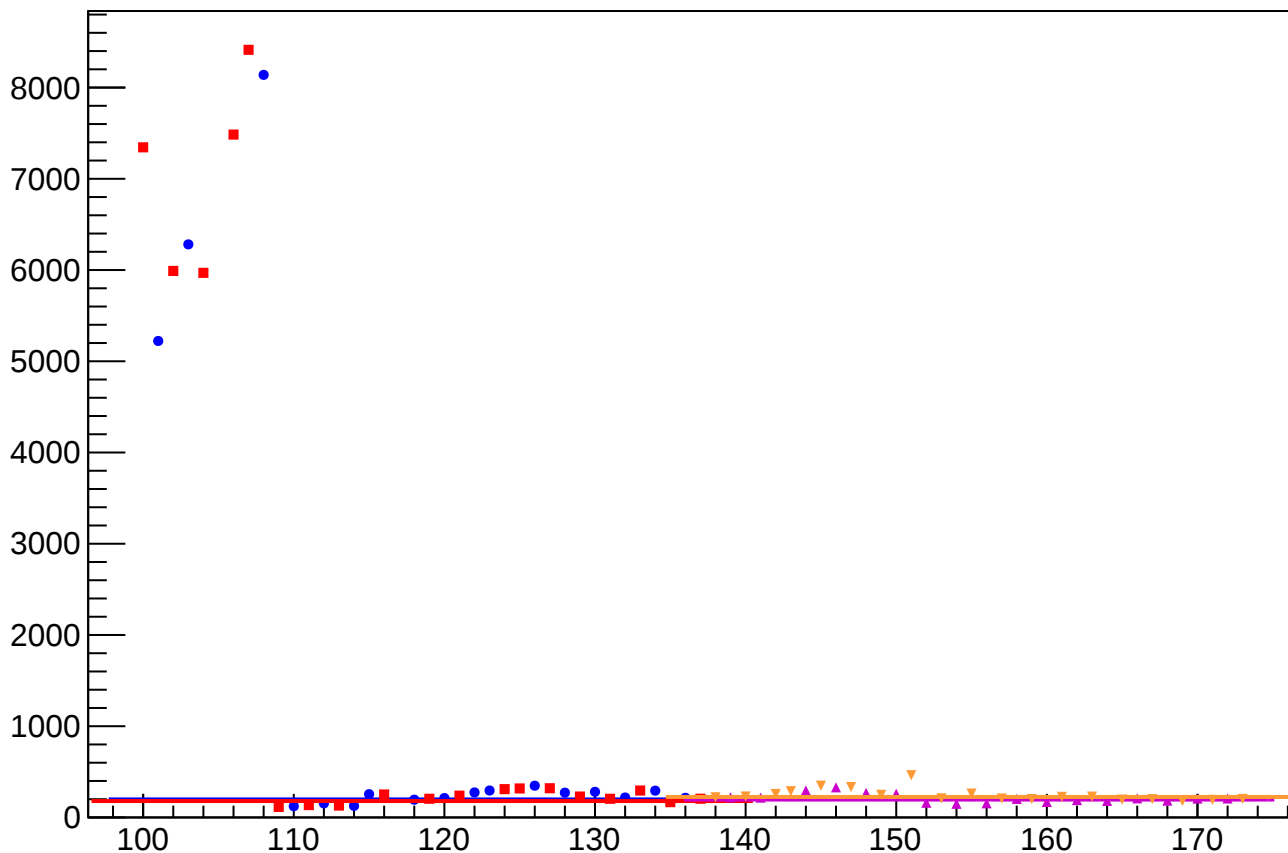
Left In: -45.878+/-56.279 χ^2/NDF : 7.1/16

+ sign 0.970+/-51.047 χ^2/NDF : 19.5/35

All: -23.916+/-34.516 χ^2/NDF : 41.1/71

- sign -44.877+/-46.849 χ^2/NDF : 21.1/35

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 224.613+/-0.043 χ^2/NDF : 1125534.8/18

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

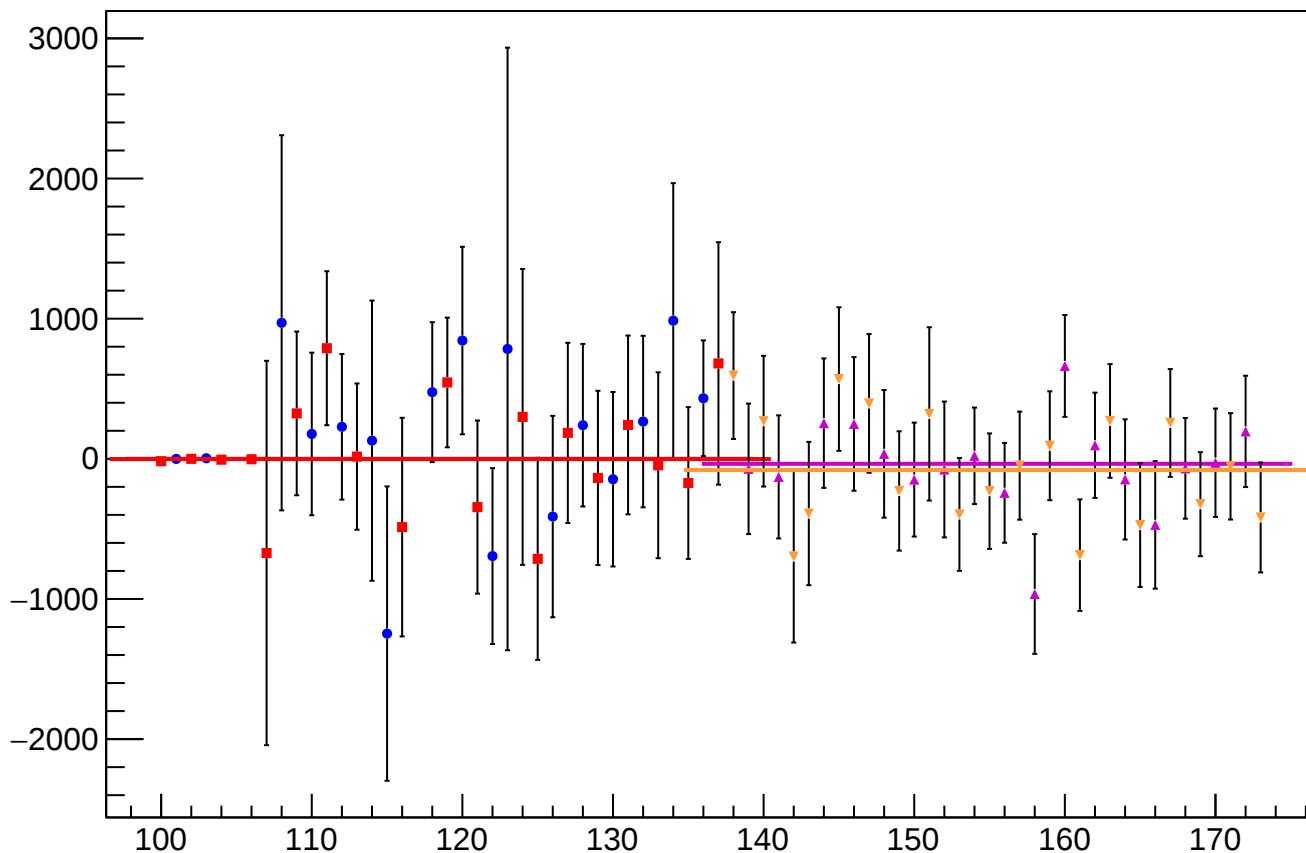
Left In: 196.148+/-0.040 χ^2/NDF : 1081897.9/16

+ sign 216.189+/-0.036 χ^2/NDF : 4942733.2/35

All: 202.616+/-0.024 χ^2/NDF : 10657178.8/73

- sign 191.184+/-0.033 χ^2/NDF : 5453964.4/35

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -80.066 ± 98.827 χ^2/NDF : 14.0/18

Right Out: -1.324 ± 1.623 χ^2/NDF : 9.5/18

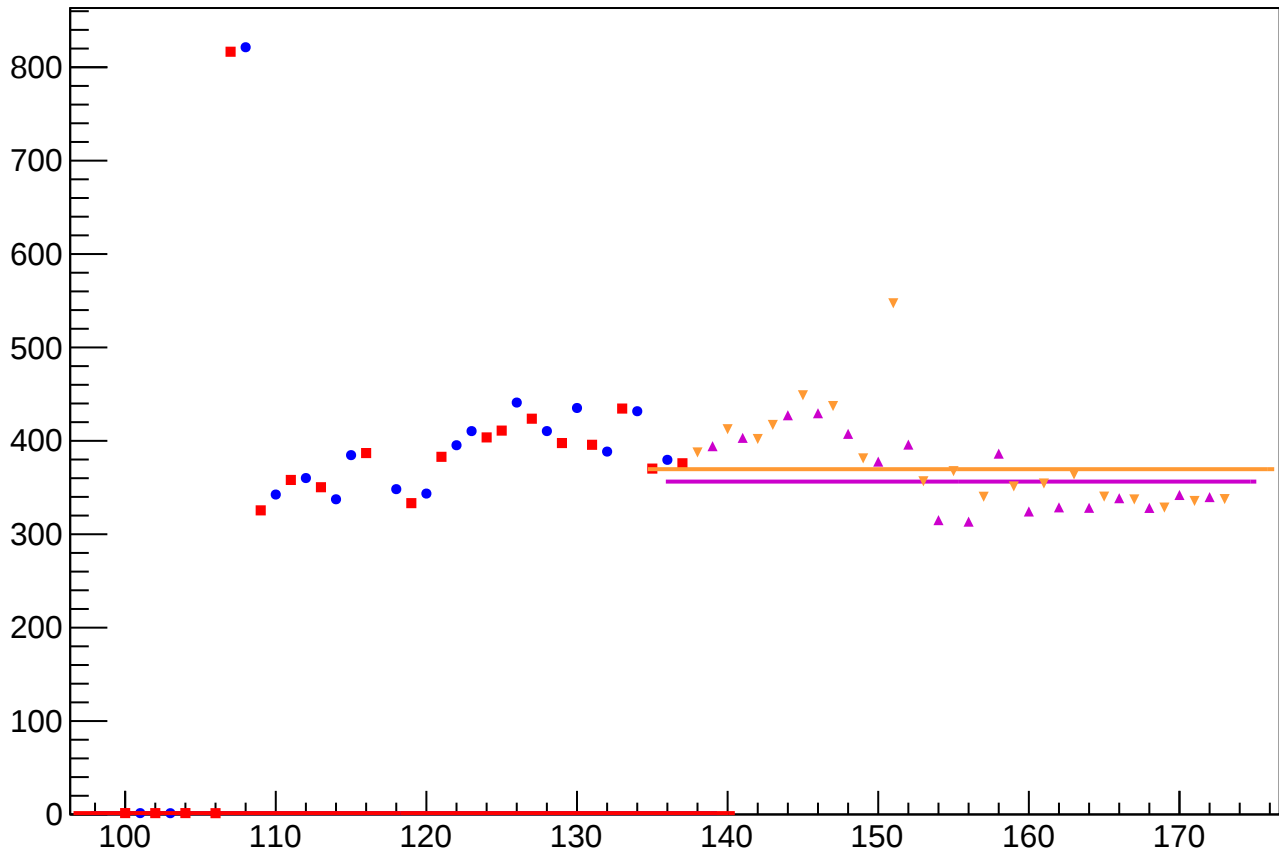
Left In: -35.640 ± 99.247 χ^2/NDF : 11.1/16

+ sign -0.164 ± 1.736 χ^2/NDF : 24.4/35

All: -0.788 ± 1.185 χ^2/NDF : 45.4/71

- sign -1.333 ± 1.622 χ^2/NDF : 20.8/35

asym_cav4dQ_rms vs Slug



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10815892.9/16

Left Out: 369.665 $\pm$ 0.070 χ^2 /NDF:392893.4/18

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10873552.2/18

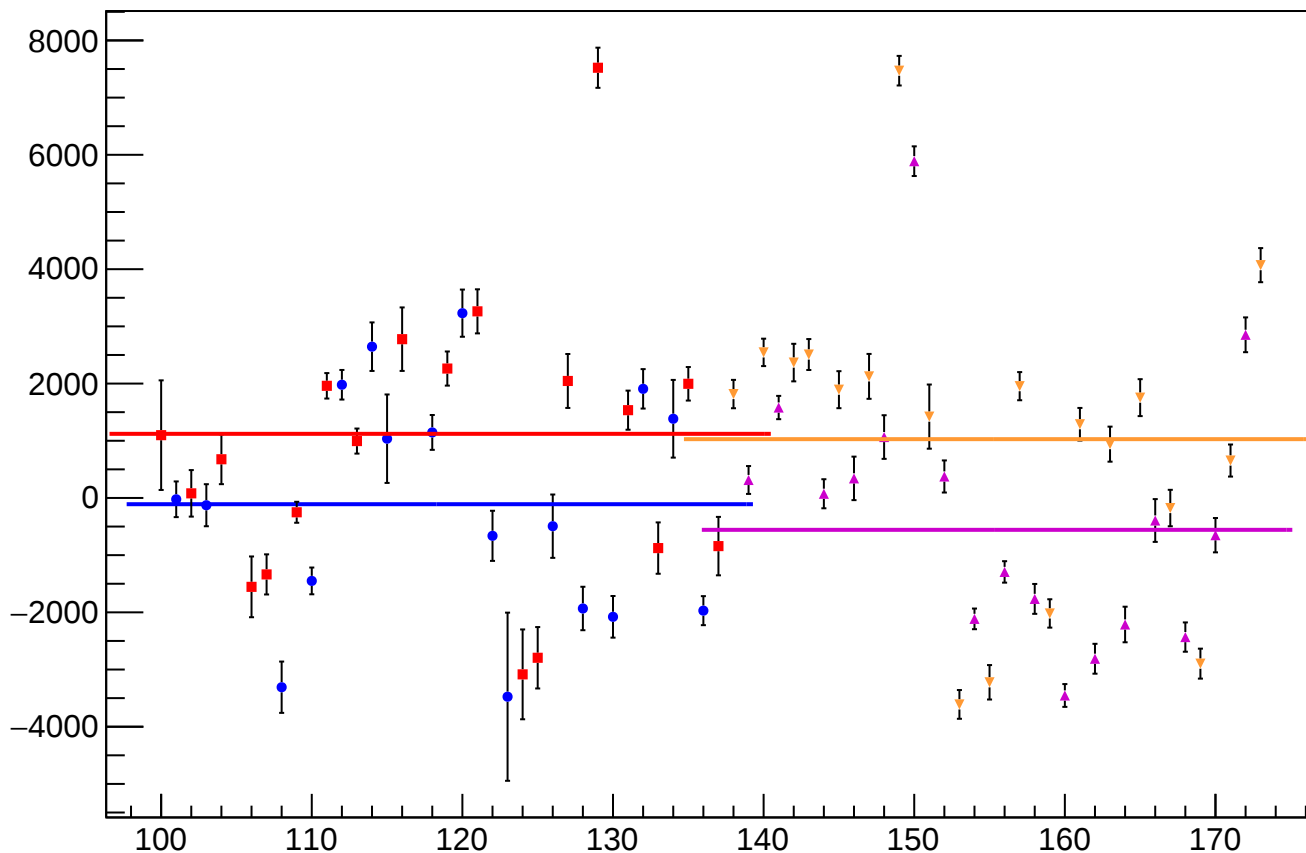
Left In: 356.373 $\pm$ 0.070 χ^2 /NDF:298491.1/16

+ sign 1.566 $\pm$ 0.001 χ^2 /NDF: 38964006.1/35

All: 1.555 $\pm$ 0.001 χ^2 /NDF: 75706918.5/71

- sign 1.546 $\pm$ 0.001 χ^2 /NDF: 36742770.8/35

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 1028.141 ± 65.752 $\chi^2/\text{NDF}: 1787.2/18$

Right Out: 1121.203 ± 78.396 $\chi^2/\text{NDF}: 670.1/18$

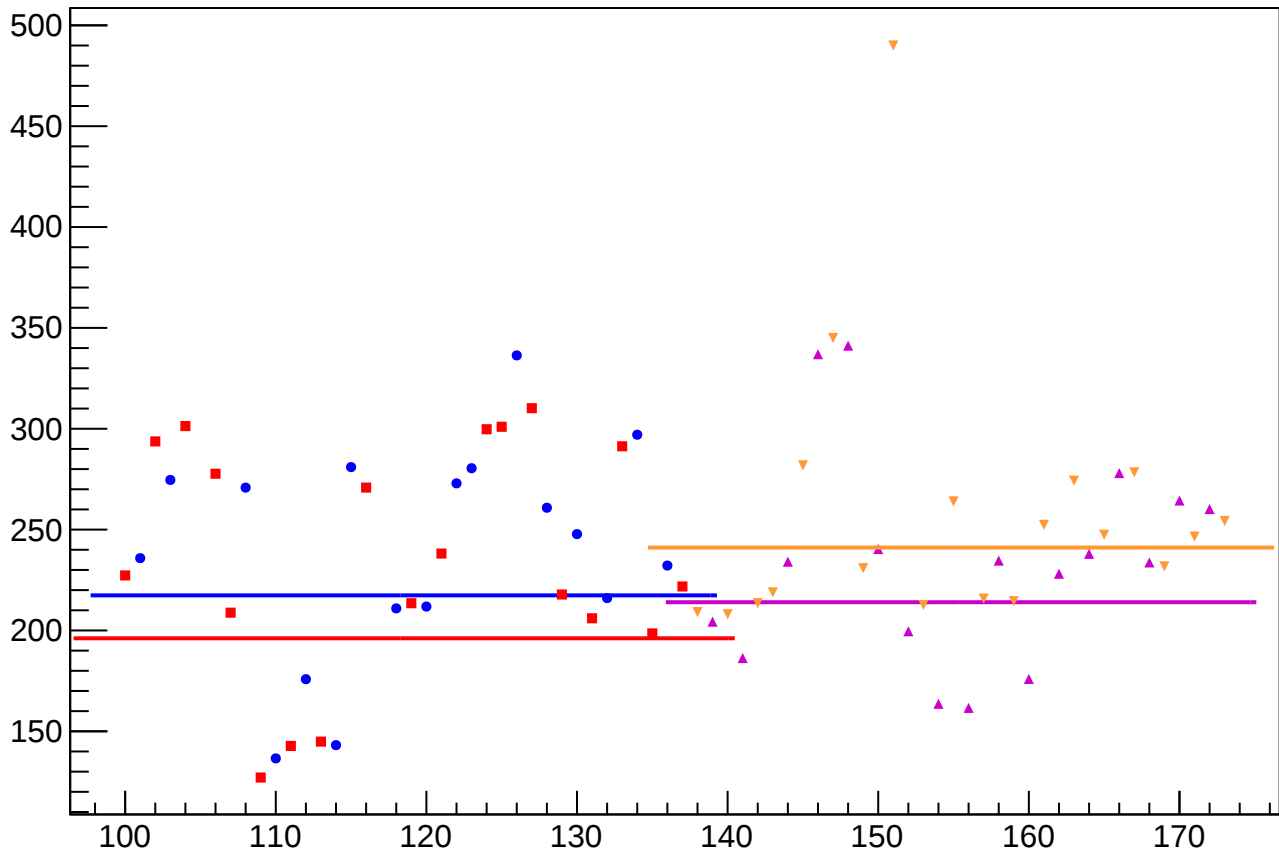
Left In: -557.336 ± 61.318 $\chi^2/\text{NDF}: 1385.5/16$

+ sign 620.427 ± 52.665 $\chi^2/\text{NDF}: 2322.9/35$

All: 326.764 ± 35.596 $\chi^2/\text{NDF}: 4720.1/71$

- sign 79.773 ± 48.299 $\chi^2/\text{NDF}: 2340.0/35$

asym_bcm0l02_rms vs Slug



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 241.103 $\pm$ 0.046 χ^2 /NDF: 810886.4/18

Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

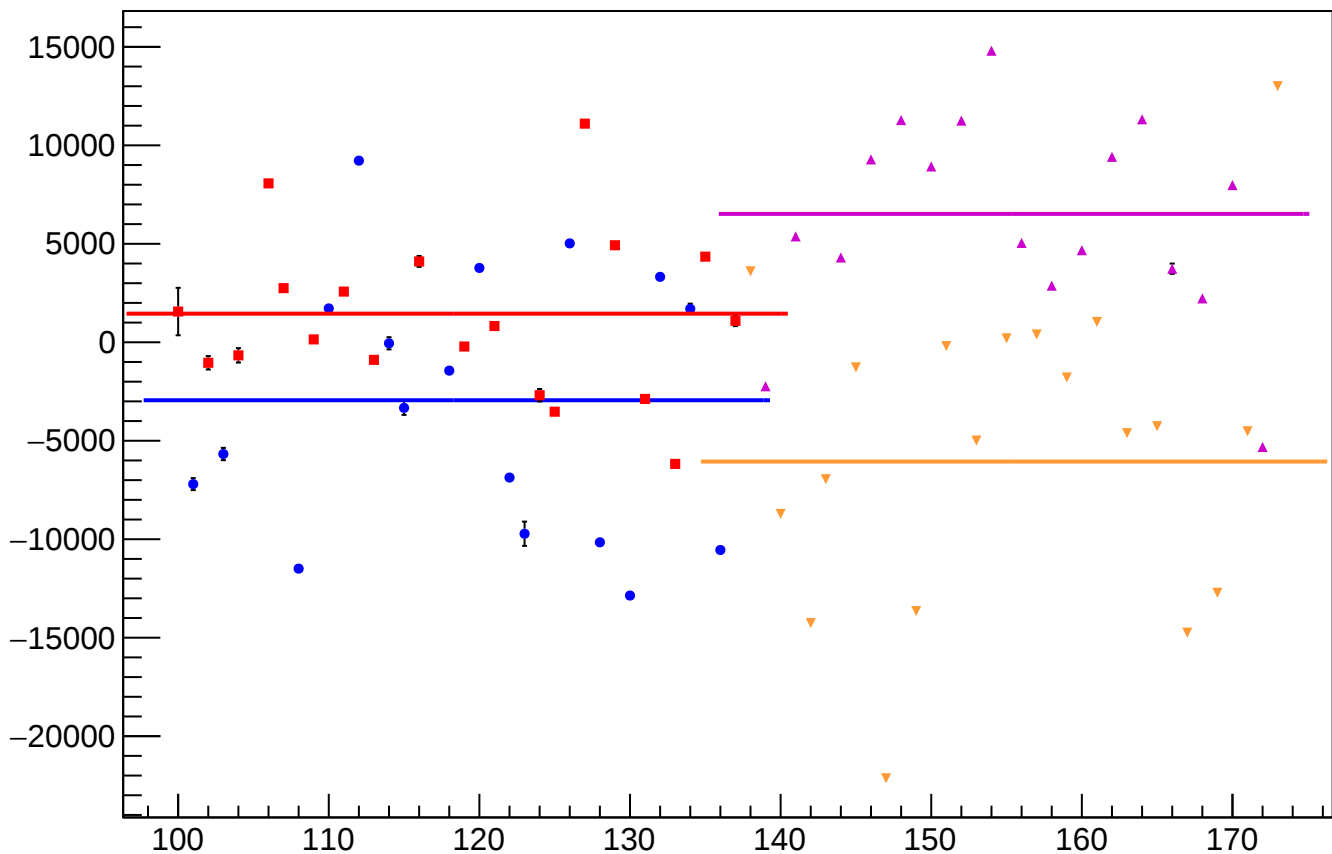
Left In: 214.000 $\pm$ 0.043 χ^2 /NDF: 1097655.5/16

+ sign 232.607 $\pm$ 0.037 χ^2 /NDF: 1556669.1/35

All: 218.813 $\pm$ 0.025 χ^2 /NDF: 4162418.2/71

- sign 207.211 $\pm$ 0.034 χ^2 /NDF: 2353124.5/35

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 χ^2/NDF : 20909.8/16

Left Out: -6054.750 ± 37.767 χ^2/NDF : 43219.6/18

Right Out: 1453.116 ± 46.404 χ^2/NDF : 7996.0/18

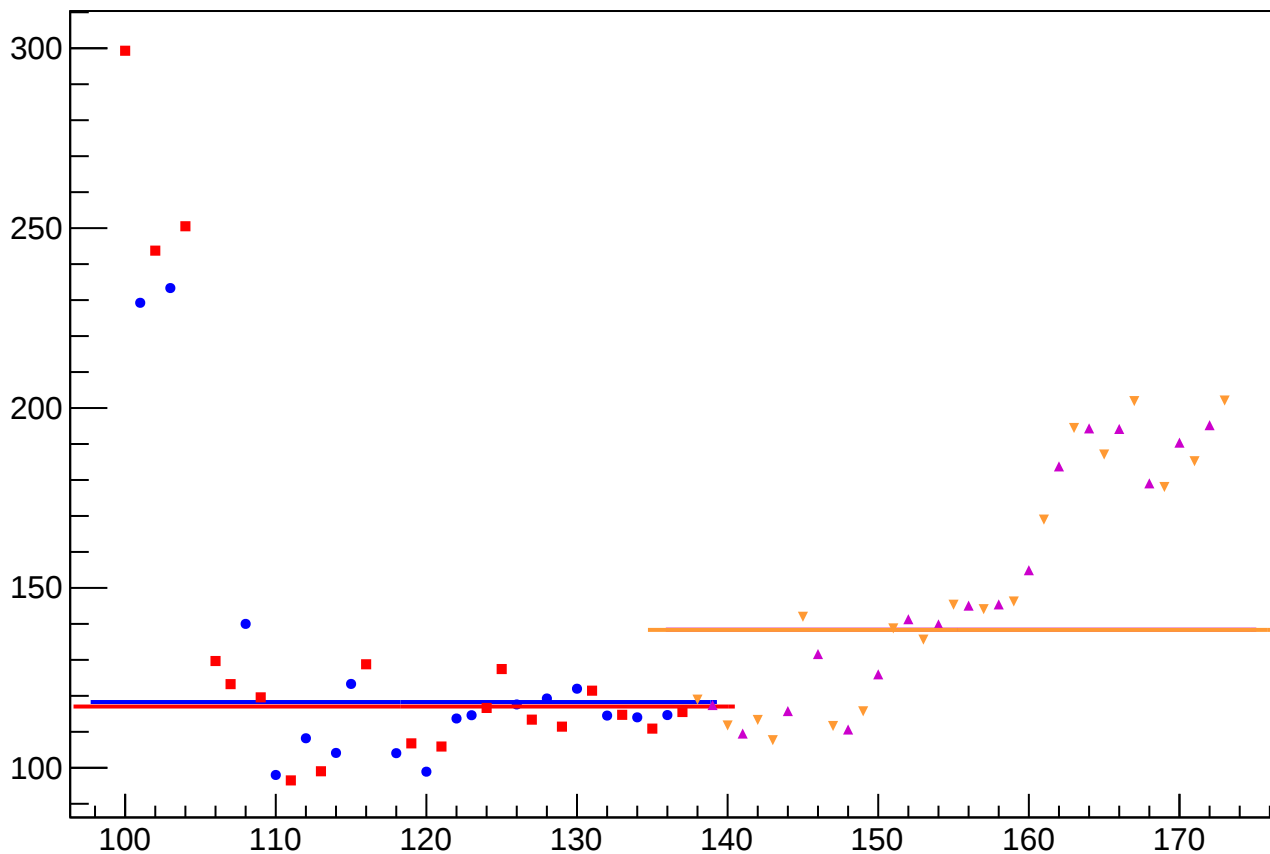
Left In: 6519.768 ± 39.094 χ^2/NDF : 14711.8/16

+ sign -4883.535 ± 29.824 χ^2/NDF : 66684.4/35

All: -244.986 ± 21.115 χ^2/NDF : 144863.2/71

- sign 4416.478 ± 29.898 χ^2/NDF : 29680.5/35

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 138.334+/-0.027 χ^2/NDF : 1167244.4/18

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

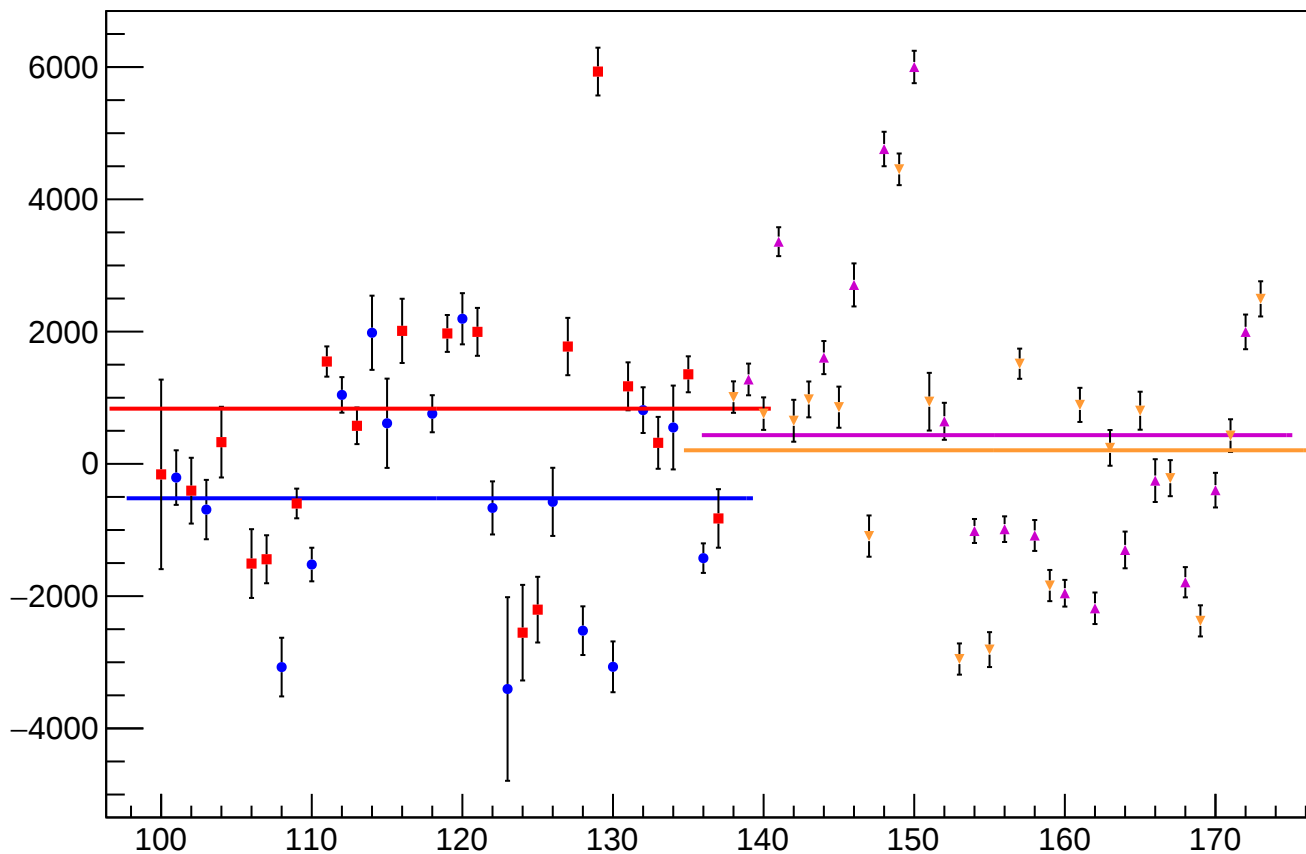
Left In: 138.396+/-0.028 χ^2/NDF : 973018.7/16

+ sign 130.788+/-0.021 χ^2/NDF : 2016303.5/35

All: 130.159+/-0.015 χ^2/NDF : 3929916.3/71

- sign 129.527+/-0.021 χ^2/NDF : 1911829.0/35

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 205.308 ± 60.476 χ^2/NDF : 992.4/18

Right Out: 834.834 ± 82.273 χ^2/NDF : 434.7/18

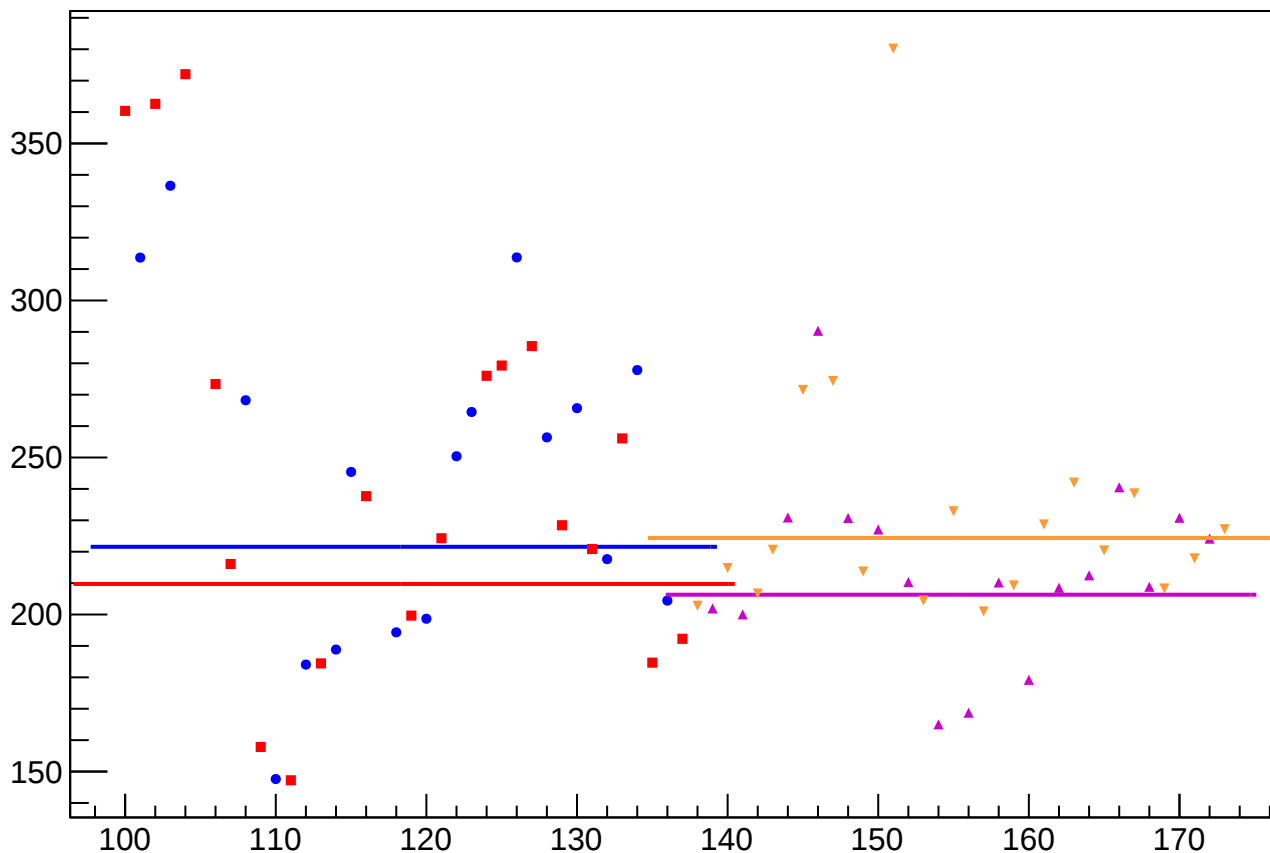
Left In: 434.211 ± 58.109 χ^2/NDF : 1659.3/16

+ sign -23.038 ± 50.063 χ^2/NDF : 1325.8/35

All: 287.984 ± 34.444 χ^2/NDF : 3509.0/71

- sign 567.546 ± 47.464 χ^2/NDF : 2109.9/35

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 224.384 $\pm$ 0.043 χ^2 /NDF: 453792.7/18

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

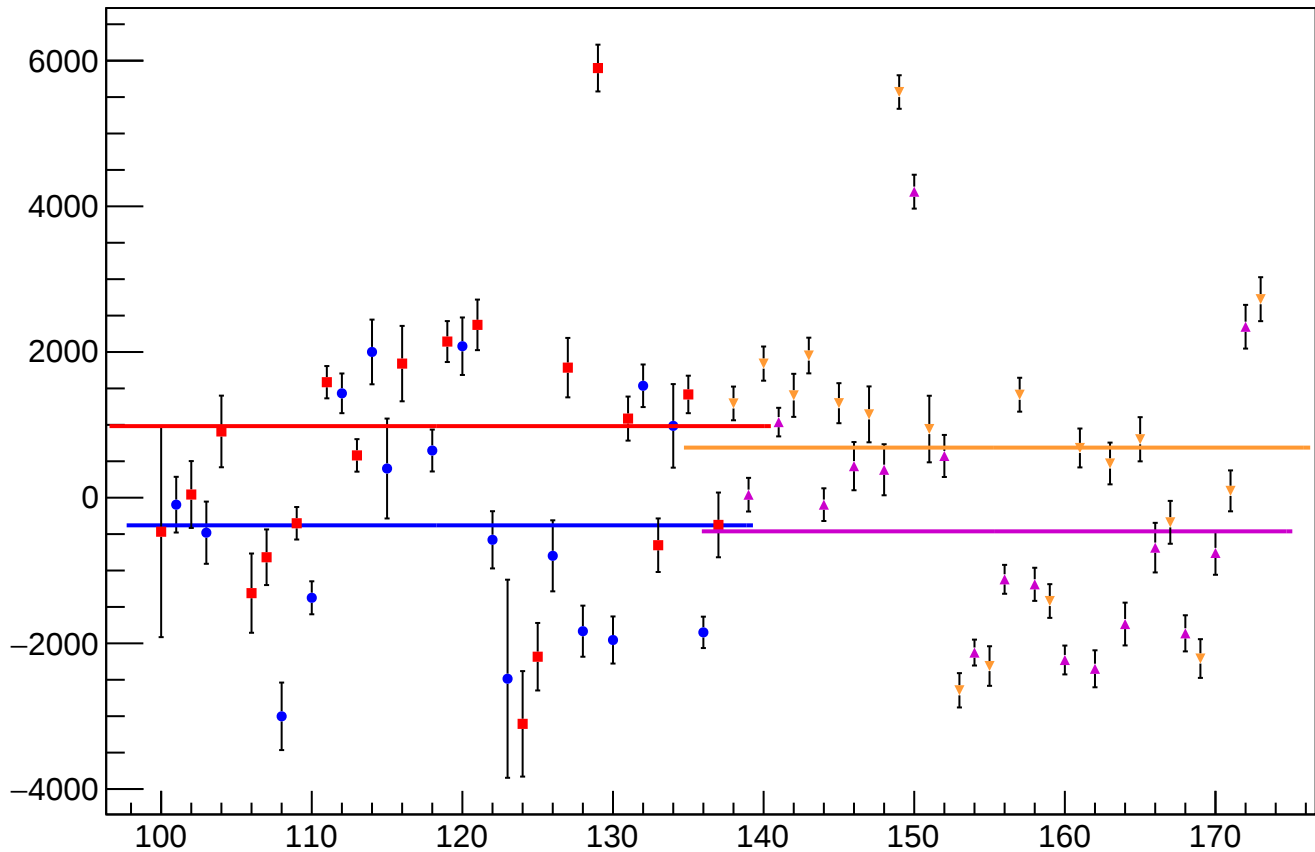
Left In: 206.313 $\pm$ 0.041 χ^2 /NDF: 453185.0/16

+ sign 223.498 $\pm$ 0.035 χ^2 /NDF: 1100096.8/35

All: 215.048 $\pm$ 0.024 χ^2 /NDF: 2547716.8/71

- sign 207.452 $\pm$ 0.034 χ^2 /NDF: 1339417.4/35

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 687.628 ± 61.574 χ^2/NDF : 1115.4/18

Right Out: 982.539 ± 77.724 χ^2/NDF : 476.3/18

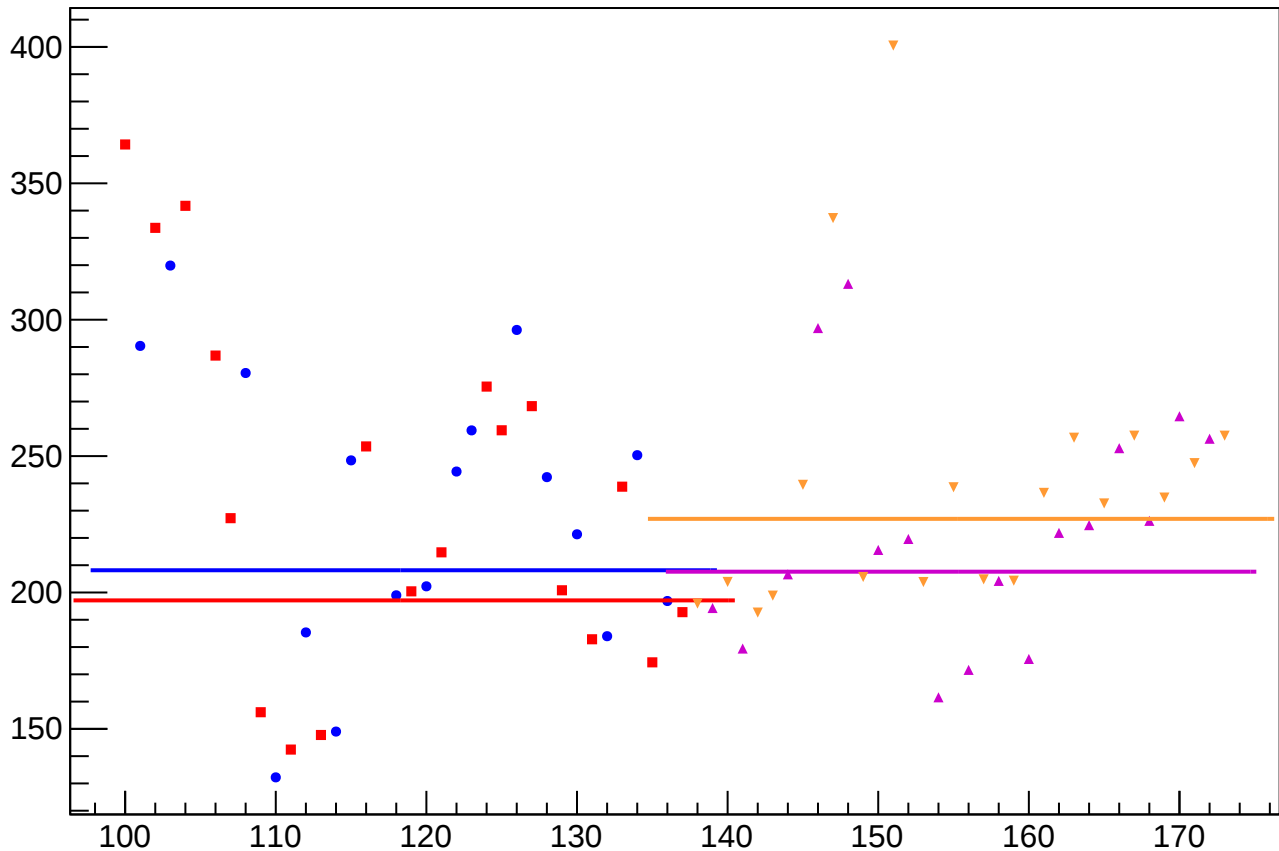
Left In: -462.136 ± 58.886 χ^2/NDF : 877.0/16

+ sign 316.091 ± 49.714 χ^2/NDF : 1537.1/35

All: 183.176 ± 34.129 χ^2/NDF : 3123.4/71

- sign 64.701 ± 46.937 χ^2/NDF : 1572.8/35

asym_bpm0l01WS_rms vs Slug



Right In: 208.151 $\pm$ 0.060 χ^2 /NDF: 699084.2/16

Left Out: 226.996 $\pm$ 0.044 χ^2 /NDF: 722883.5/18

Right Out: 197.103 $\pm$ 0.055 χ^2 /NDF: 926467.5/18

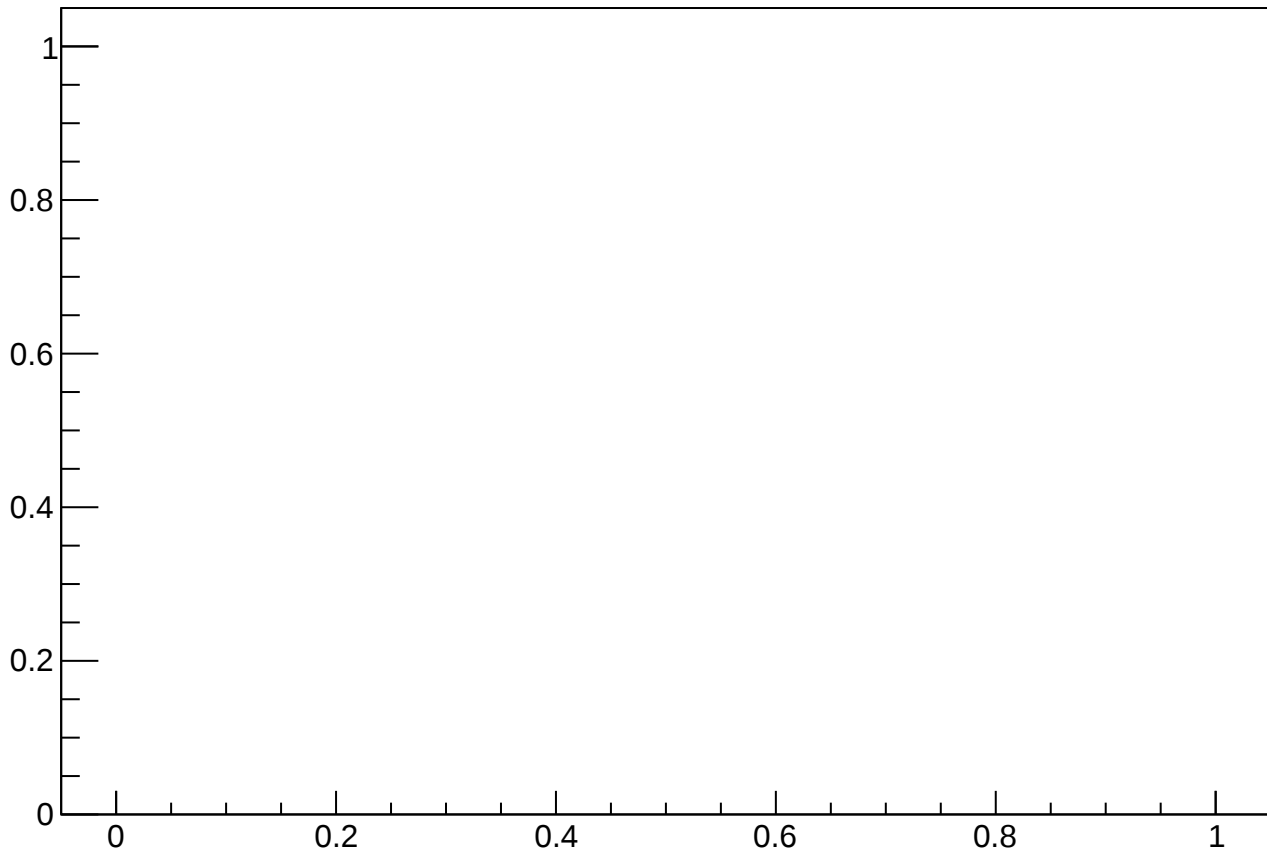
Left In: 207.625 $\pm$ 0.042 χ^2 /NDF: 817869.9/16

+ sign 220.435 $\pm$ 0.035 χ^2 /NDF: 1487181.3/35

All: 211.633 $\pm$ 0.024 χ^2 /NDF: 3373382.9/71

- sign 203.788 $\pm$ 0.033 χ^2 /NDF: 1767625.8/35

bcm_an_us_ds_dd_mean vs Slug



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

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

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

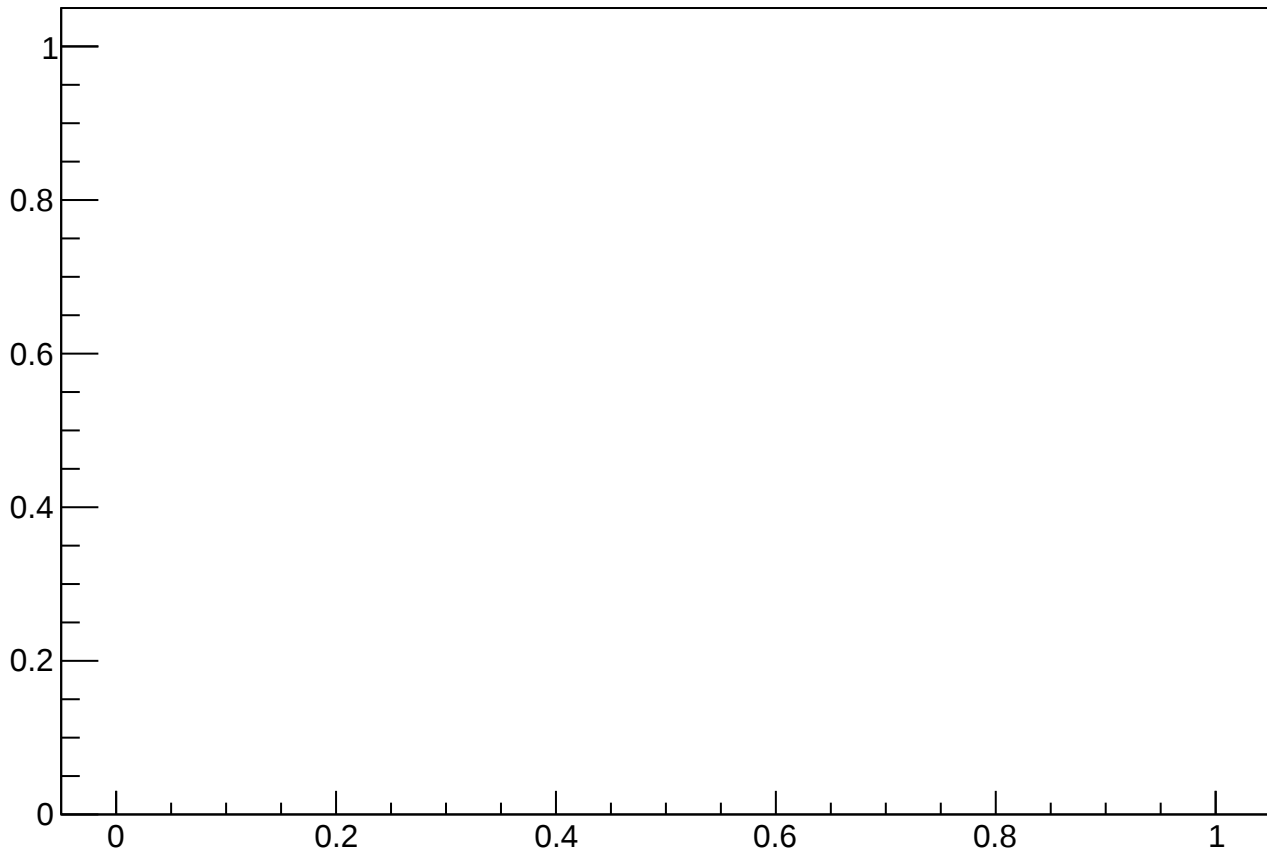
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_an_us_ds_dd_rms vs Slug



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

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

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

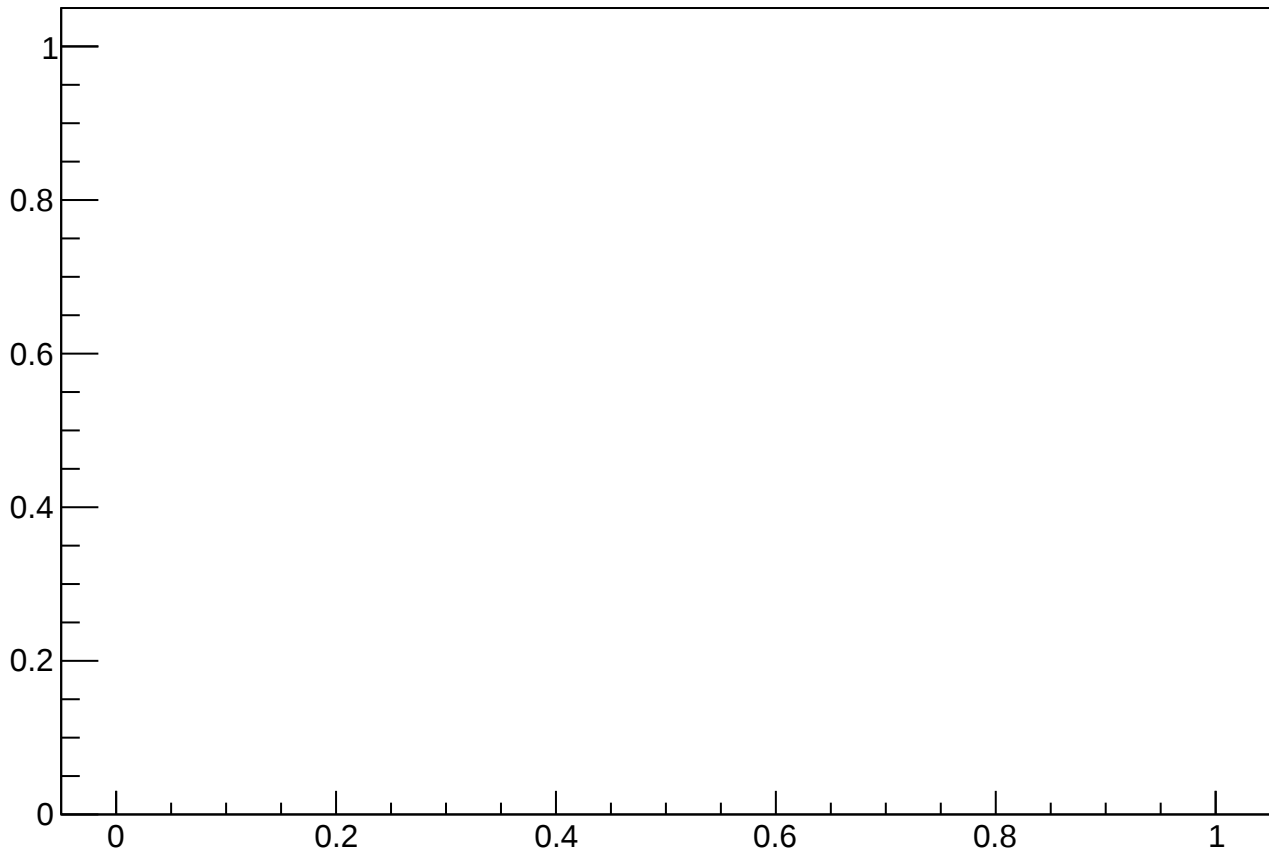
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

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

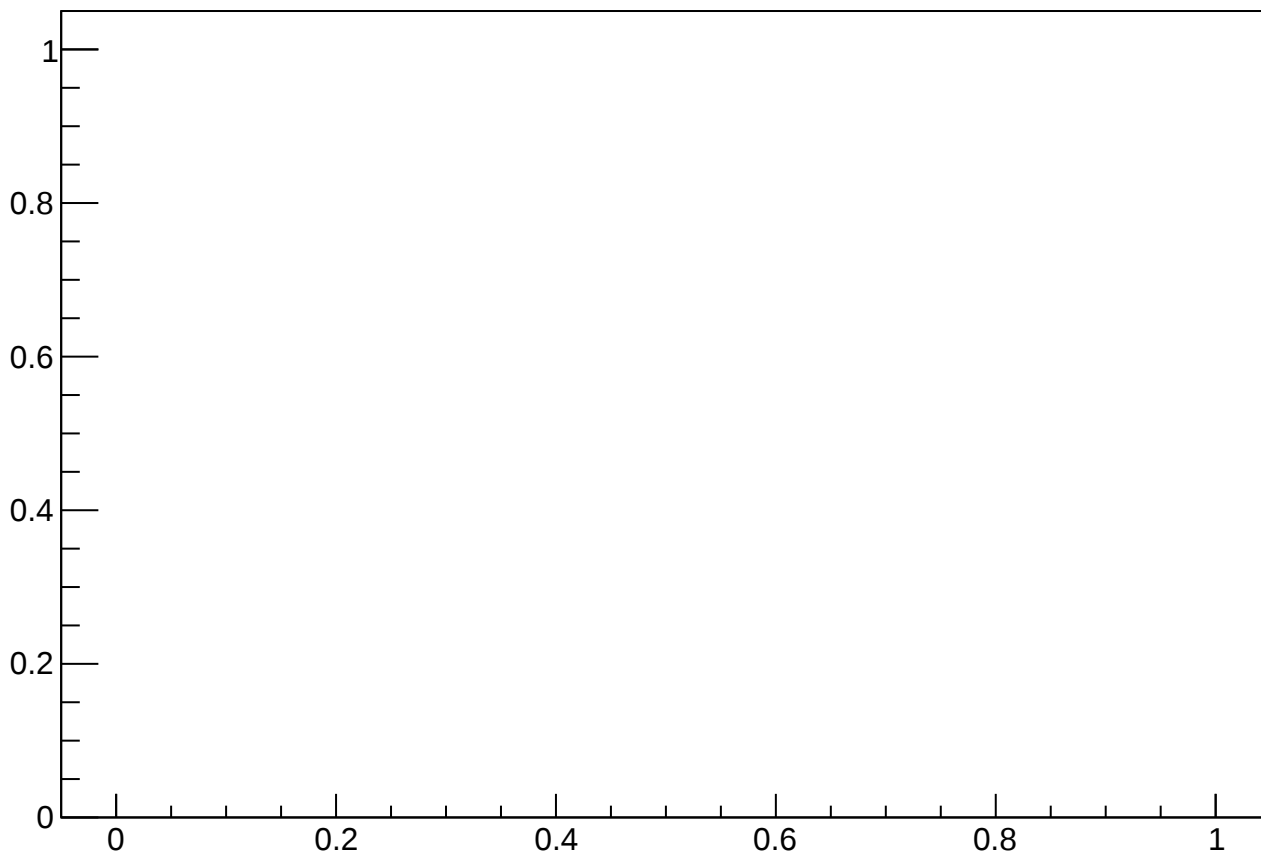
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_dg_ds_dd_rms vs Slug



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

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

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

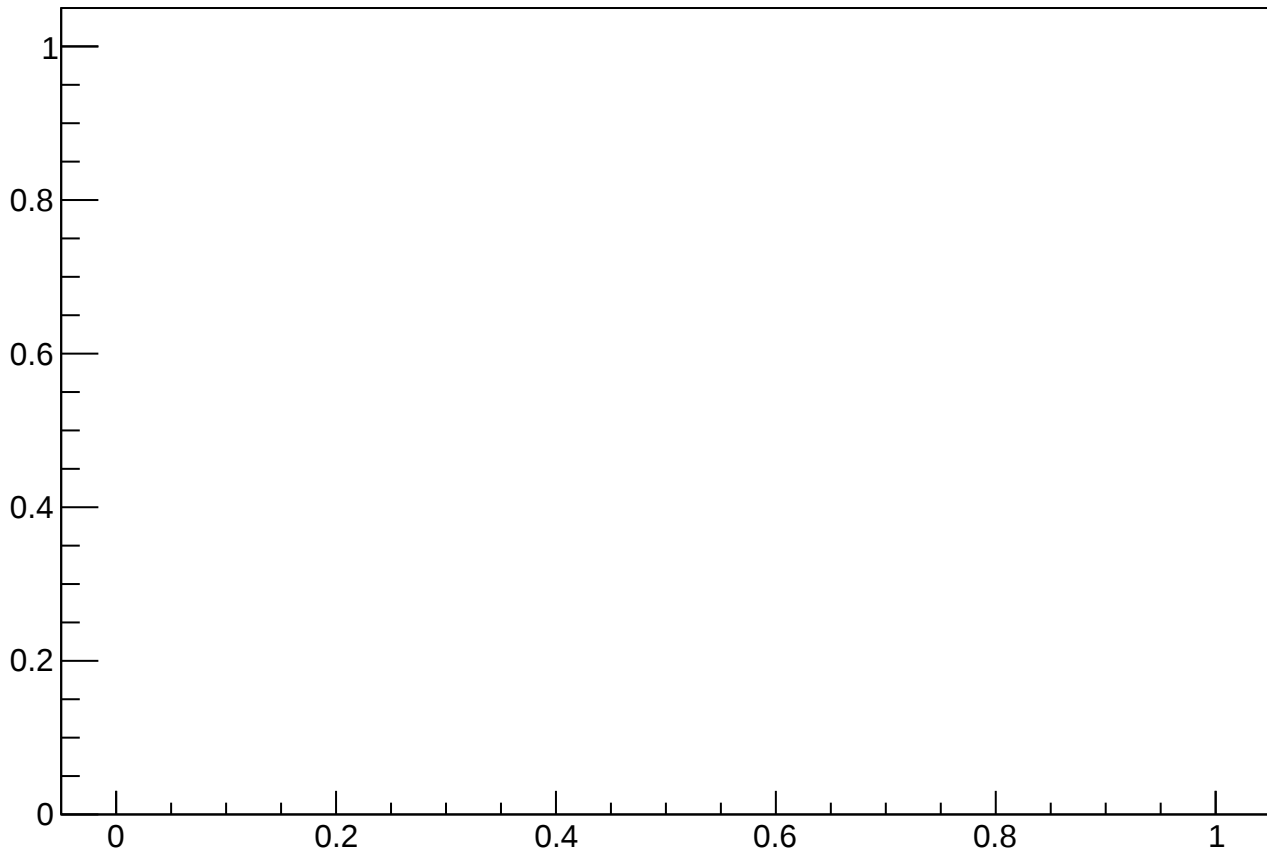
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_ds_dd_mean vs Slug



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

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

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

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

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

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

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

bcm_dg_us_ds_dd_rms vs Slug



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

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

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

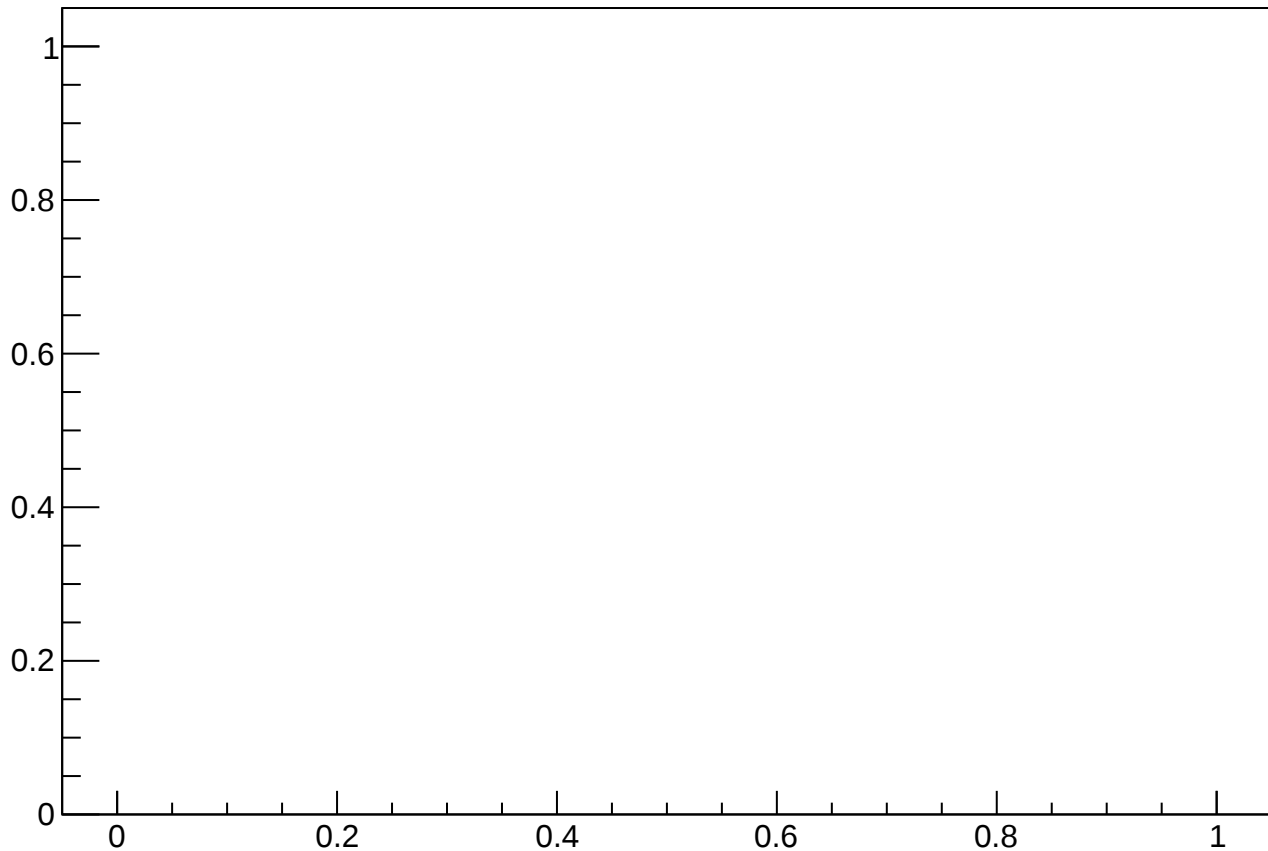
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

bcm_dg_ds_ds_dd_mean vs Slug



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

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

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

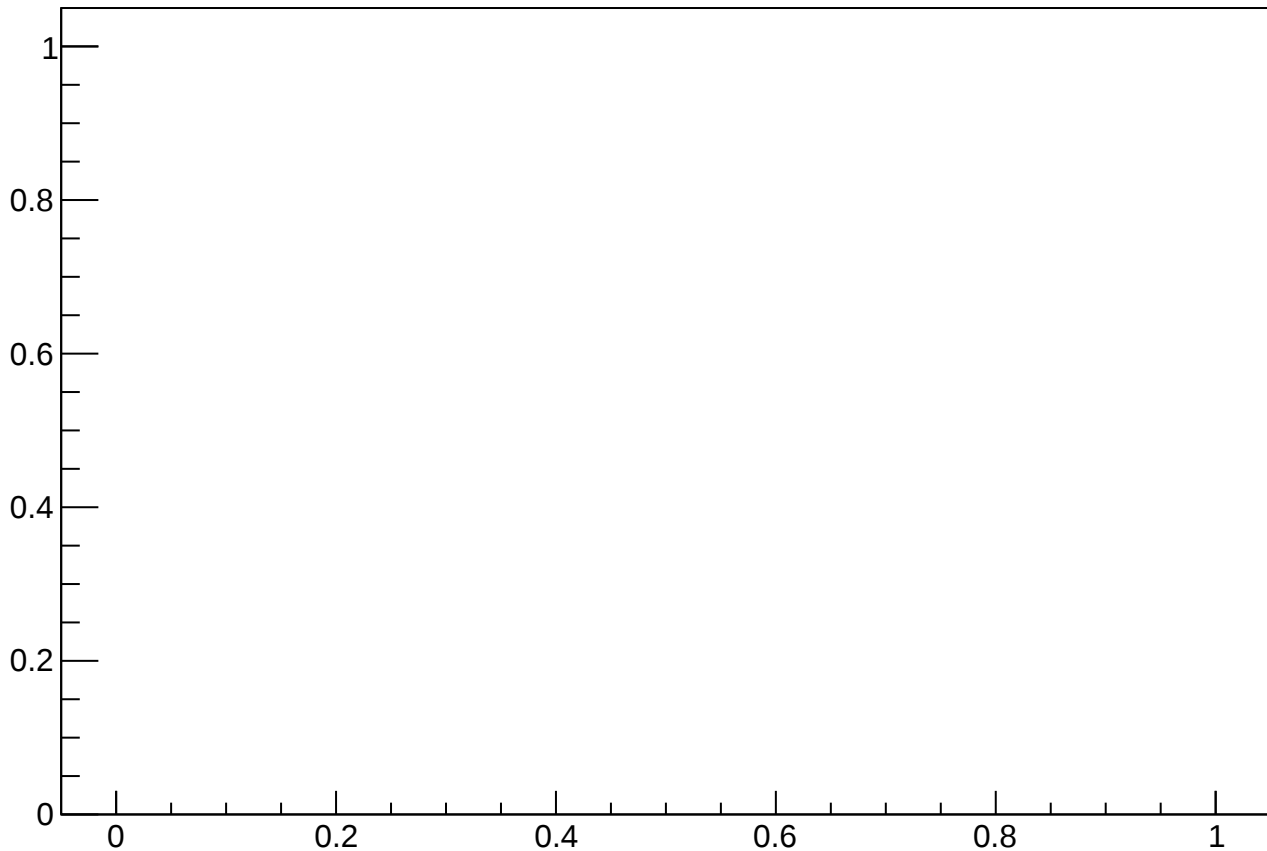
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_ds_ds_dd_rms vs Slug



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

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

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

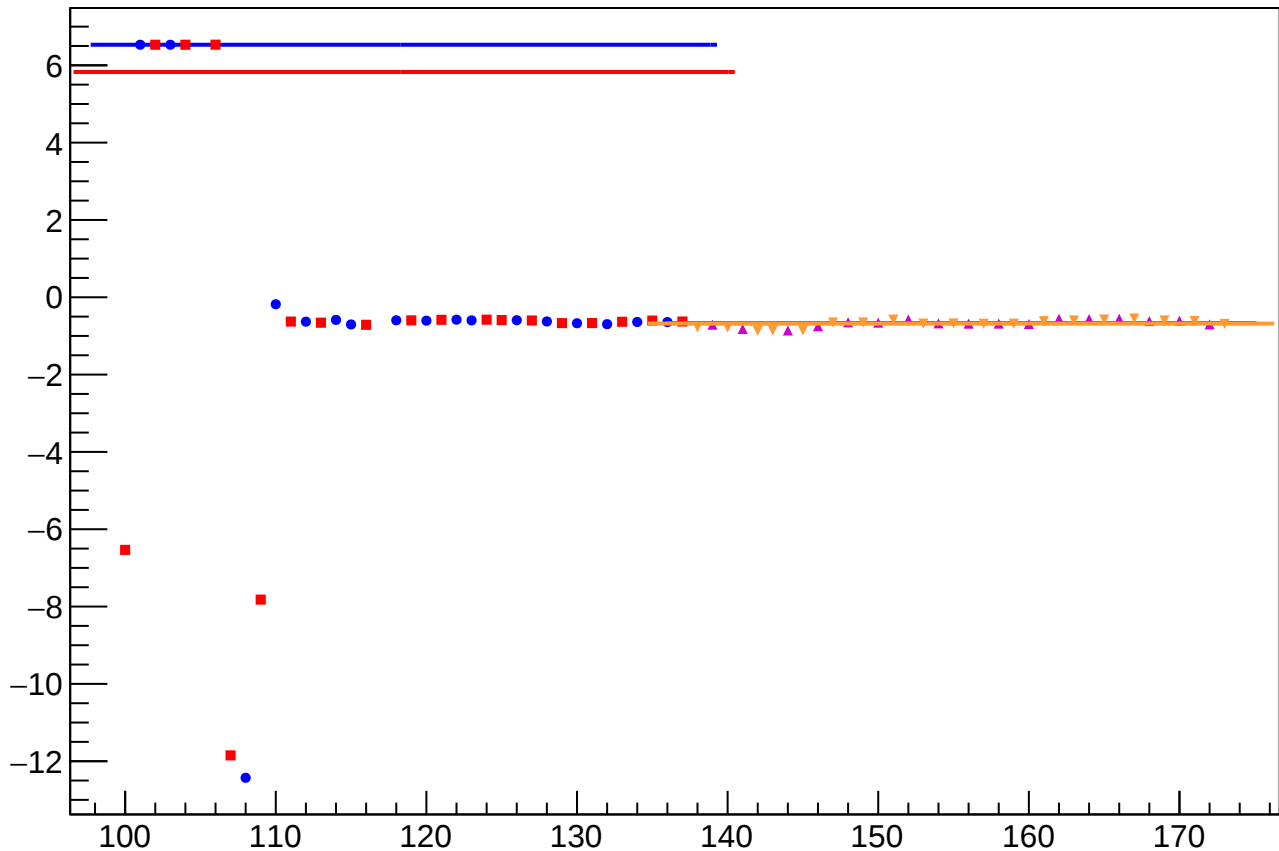
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

yield_cav4bX_mean vs Slug



Right In: 6.532 ± 0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.680 ± 0.000 χ^2/NDF : 127436293.5/18

Right Out: 5.827 ± 0.000 χ^2/NDF : 755963218053643.4/18

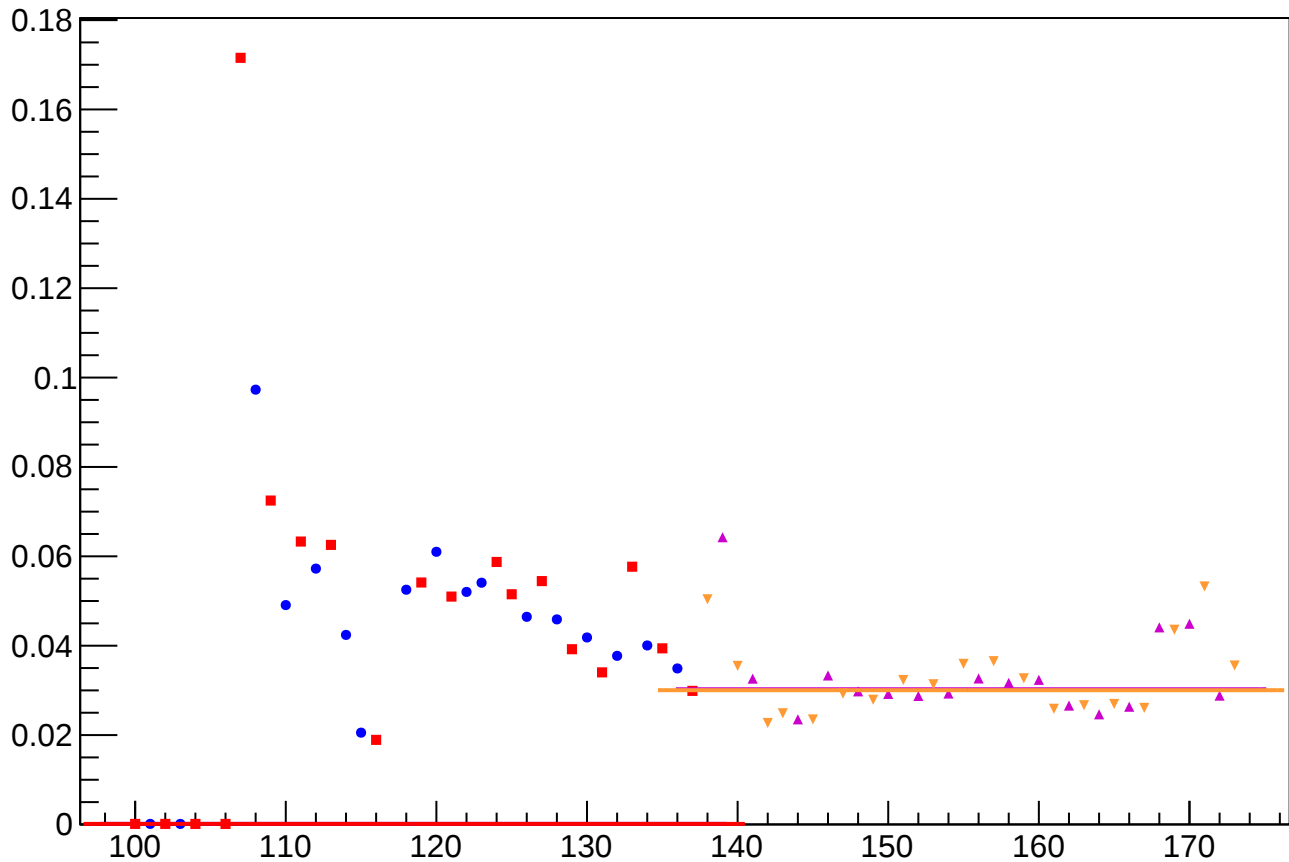
Left In: -0.668 ± 0.000 χ^2/NDF : 97149312.9/16

+ sign 6.530 ± 0.000 χ^2/NDF : 766423513121.9/35

All: 6.154 ± 0.000 χ^2/NDF : 77719567362922.0/35

- sign 5.827 ± 0.000 χ^2/NDF : 756440820845606.0/35

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.030+/-0.000 χ^2/NDF :1027671.4/18

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

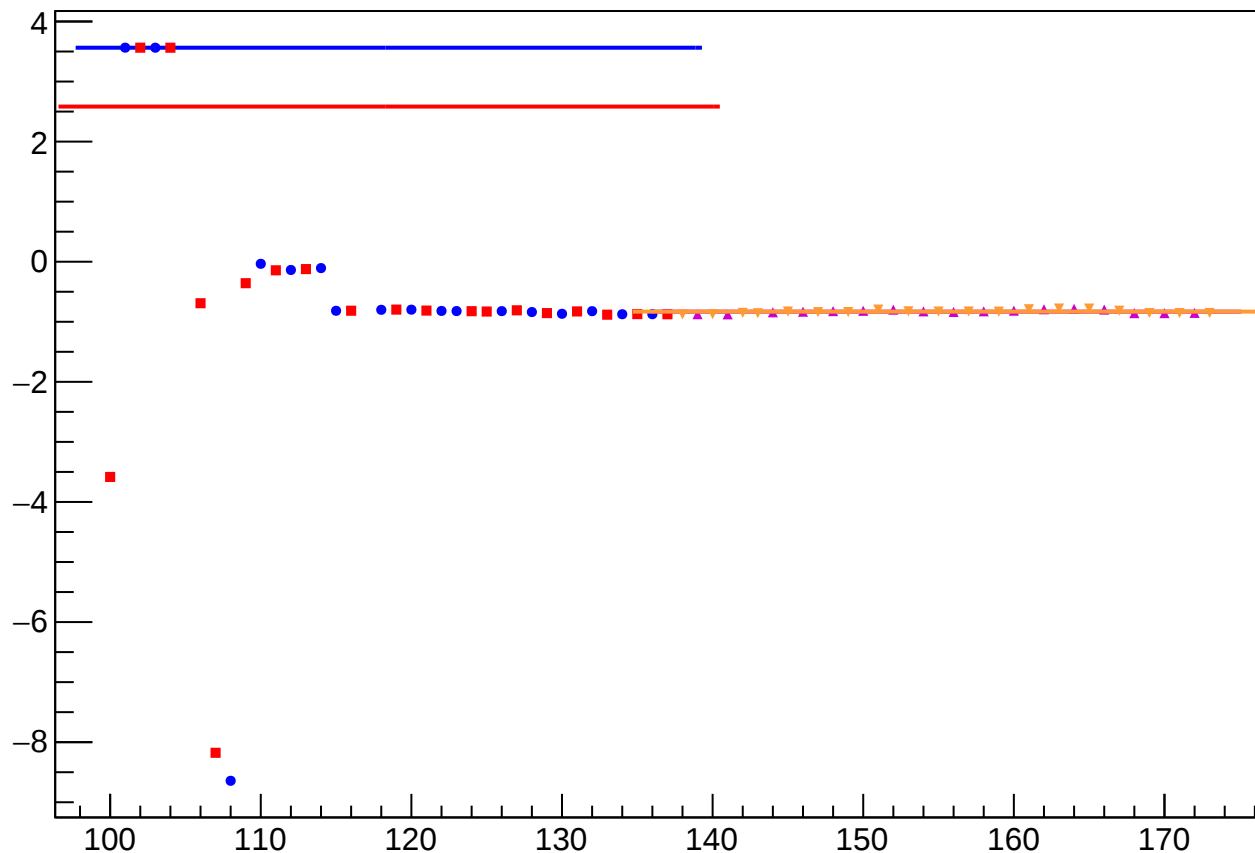
Left In: 0.030+/-0.000 χ^2/NDF :908073.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 31912313.7/35

All: 0.000+/-0.000 χ^2/NDF : 62720097.6/71

- sign 0.000+/-0.000 χ^2/NDF : 30807198.3/35

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.831+/-0.000 χ^2/NDF : 145589867.0/18

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

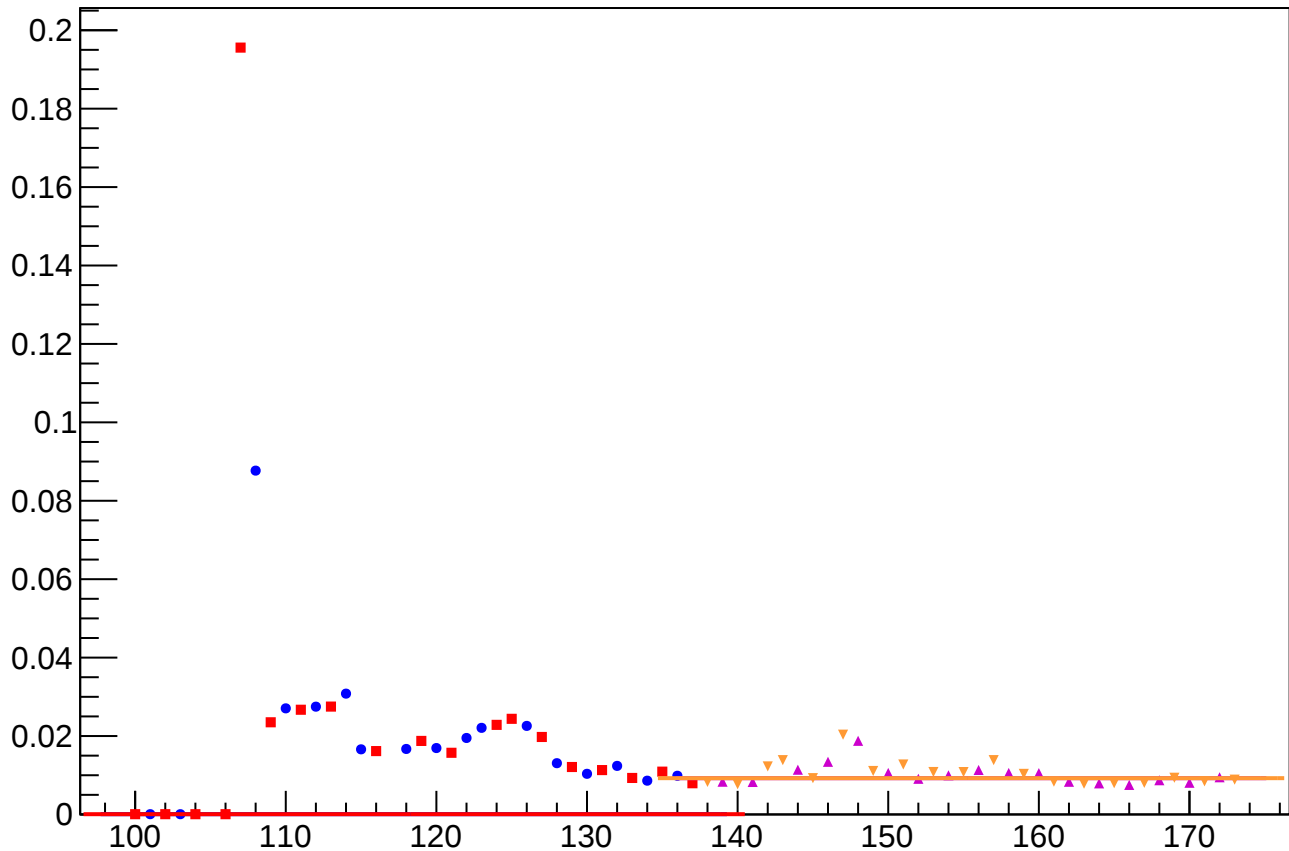
Left In: -0.831+/-0.000 χ^2/NDF : 120934805.9/16

+ sign 3.561+/-0.000 χ^2/NDF : 3090733283201.2/35

All: 3.038+/-0.000 χ^2/NDF : 13861667539906.0/35

- sign 2.582+/-0.000 χ^2/NDF : 1254970008454024.0/18

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :1080620.4/18

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

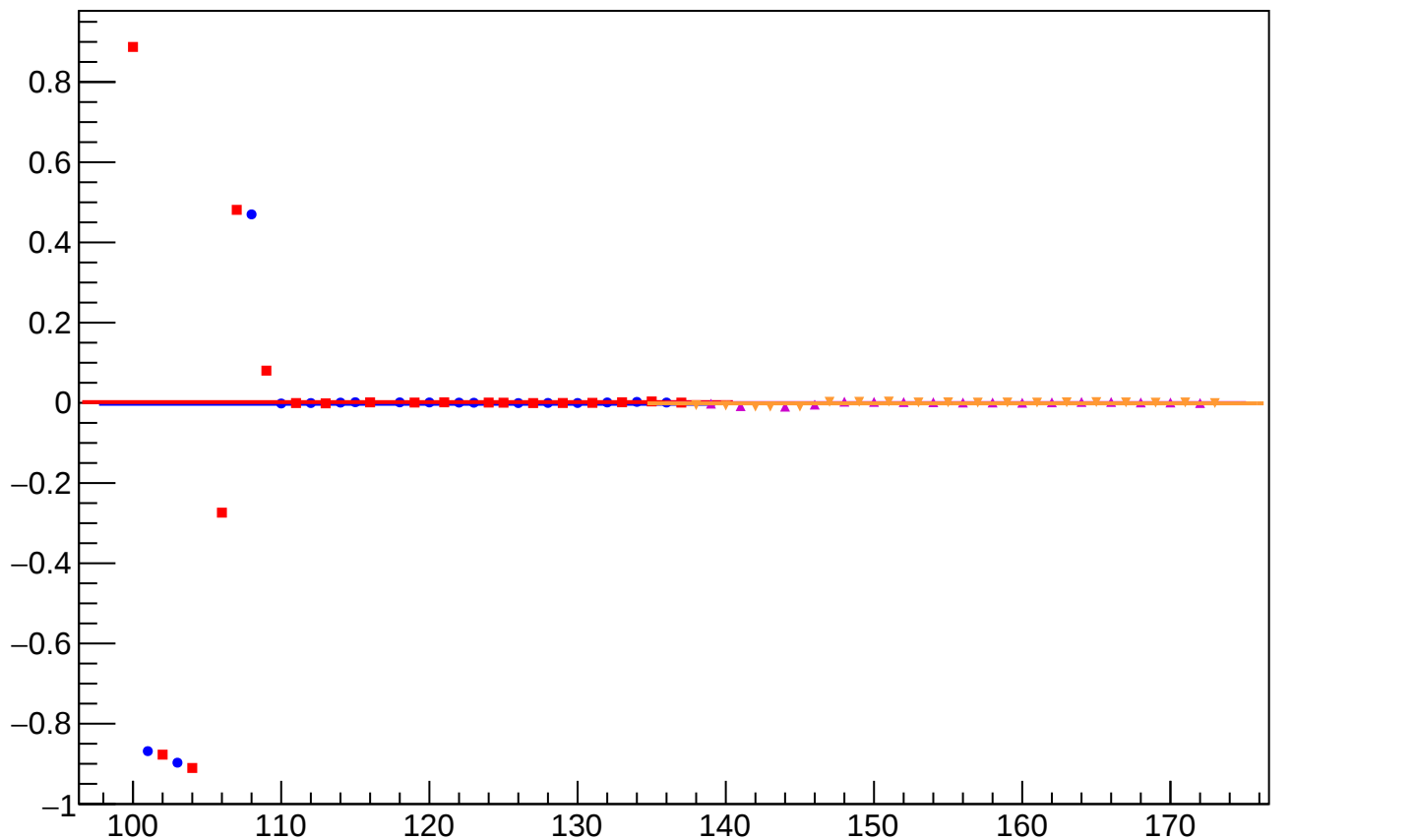
Left In: 0.009+/-0.000 χ^2/NDF :791021.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 33600774.7/35

All: 0.000+/-0.000 χ^2/NDF : 65468709.5/71

- sign 0.000+/-0.000 χ^2/NDF : 31866931.1/35

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.001+/-0.000 χ^2/NDF : 94976420.2/18

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

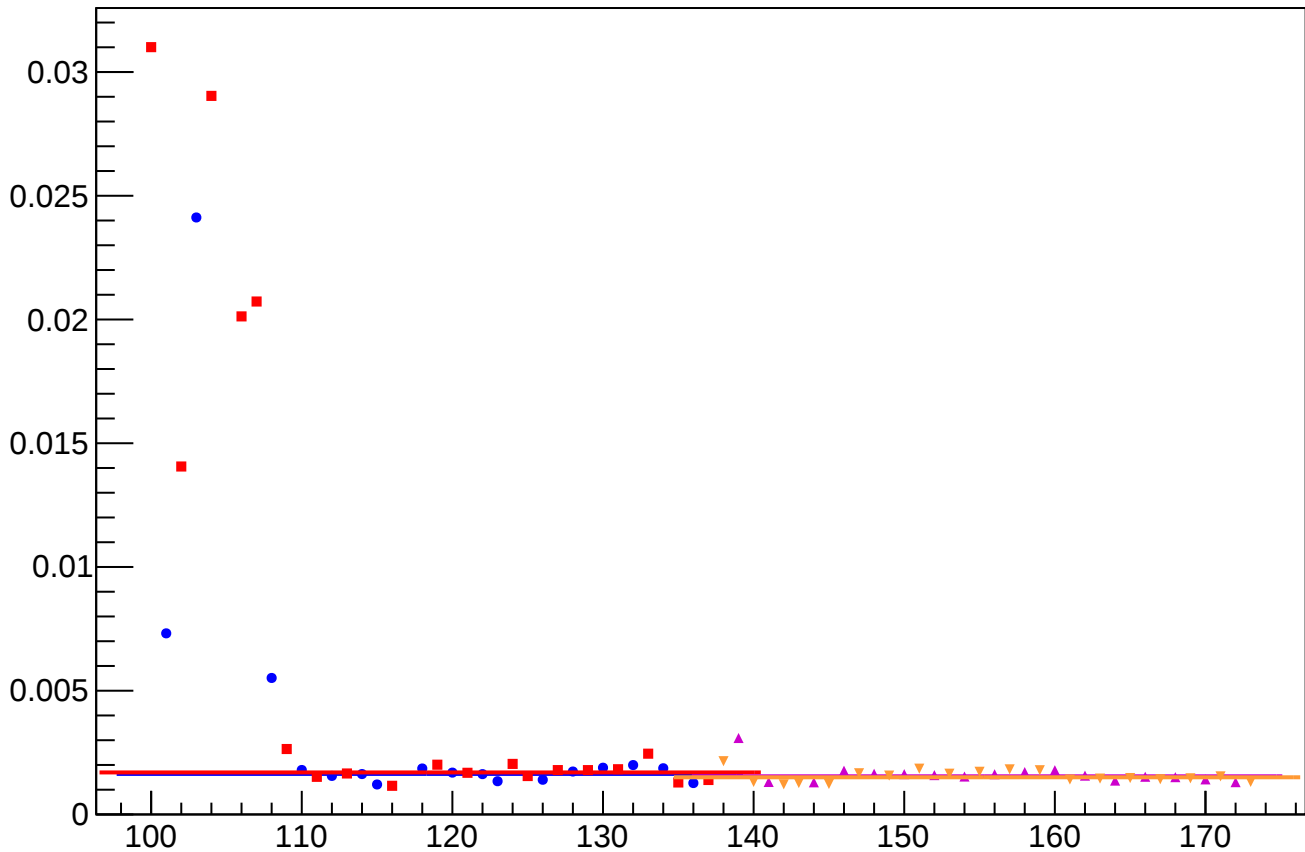
Left In: -0.001+/-0.000 χ^2/NDF : 67349884.7/16

+ sign -0.002+/-0.000 χ^2/NDF : 9891179025.6/35

All: -0.001+/-0.000 χ^2/NDF : 13014960941.0/35

- sign 0.000+/-0.000 χ^2/NDF : 3115417235.3/35

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:454990.9/18

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

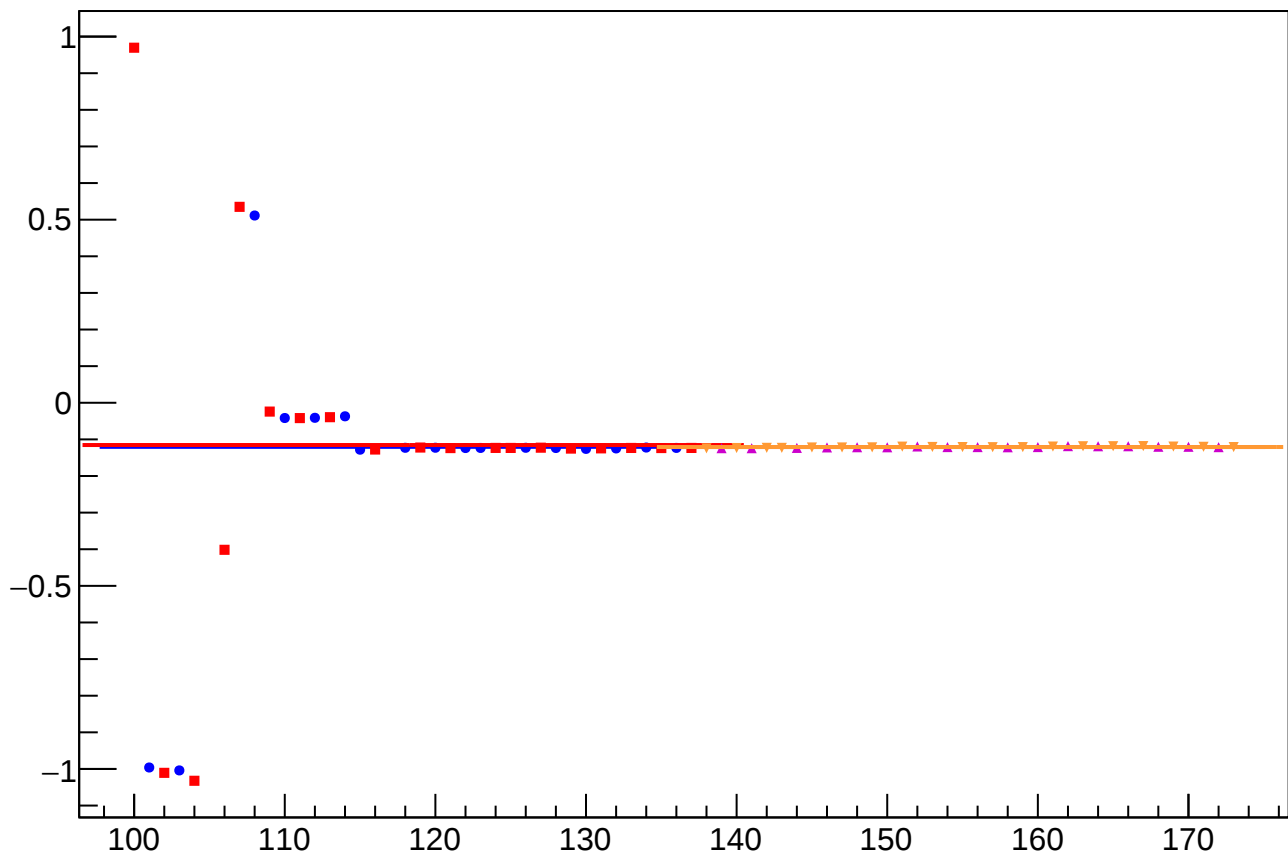
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:578651.1/16

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2417776.7/35

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6089579.5/71

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3658090.3/35

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.121+/-0.000 χ^2/NDF : 32248431.3/18

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

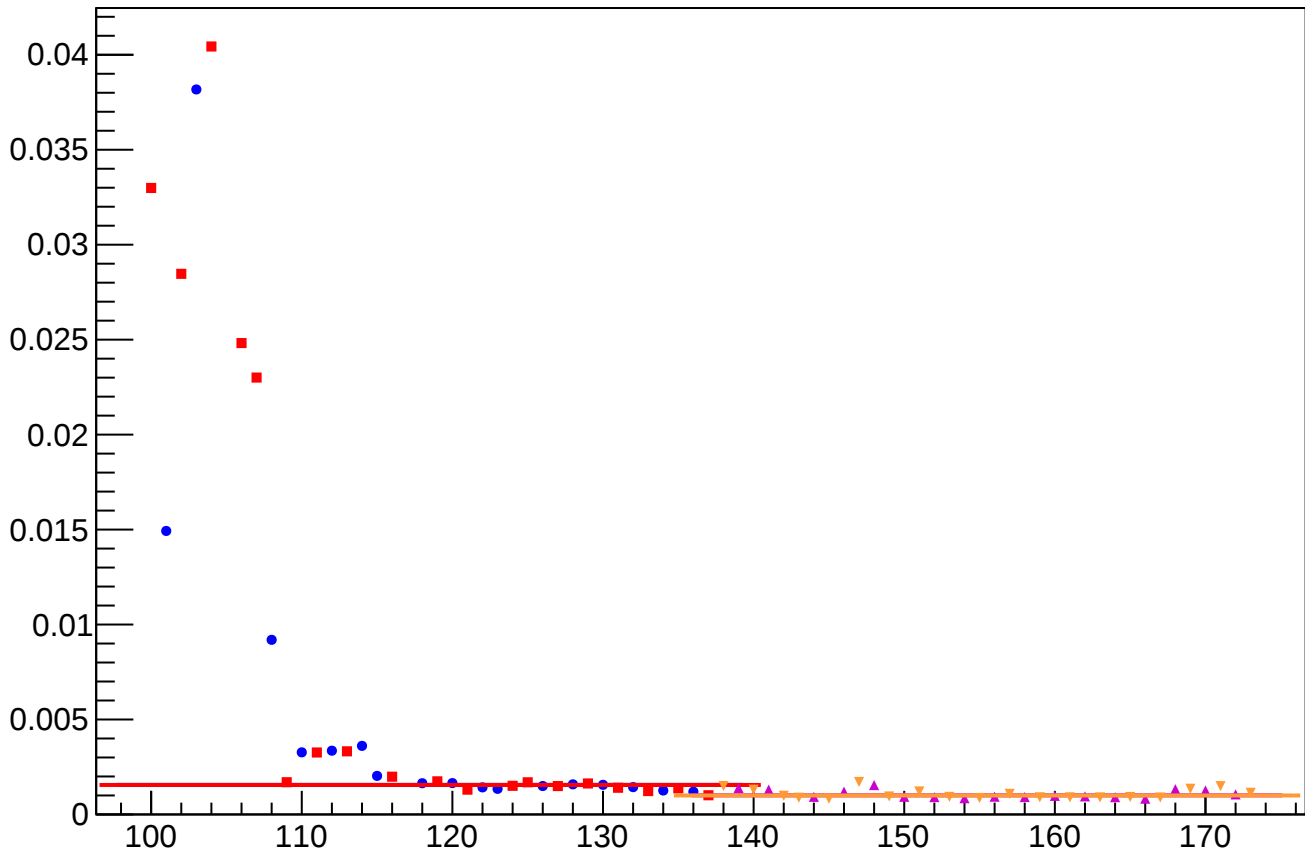
Left In: -0.121+/-0.000 χ^2/NDF : 28694271.4/16

+ sign -0.121+/-0.000 χ^2/NDF : 3964816356.3/35

All: -0.120+/-0.000 χ^2/NDF : 6501764975.6/7

- sign -0.120+/-0.000 χ^2/NDF : 2533947924.8/35

yield_cav4cY_rms vs Slug



Right In: 0.002 ± 0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001 ± 0.000 χ^2/NDF : 1033974.1/18

Right Out: 0.002 ± 0.000 χ^2/NDF : 3539455.6/18

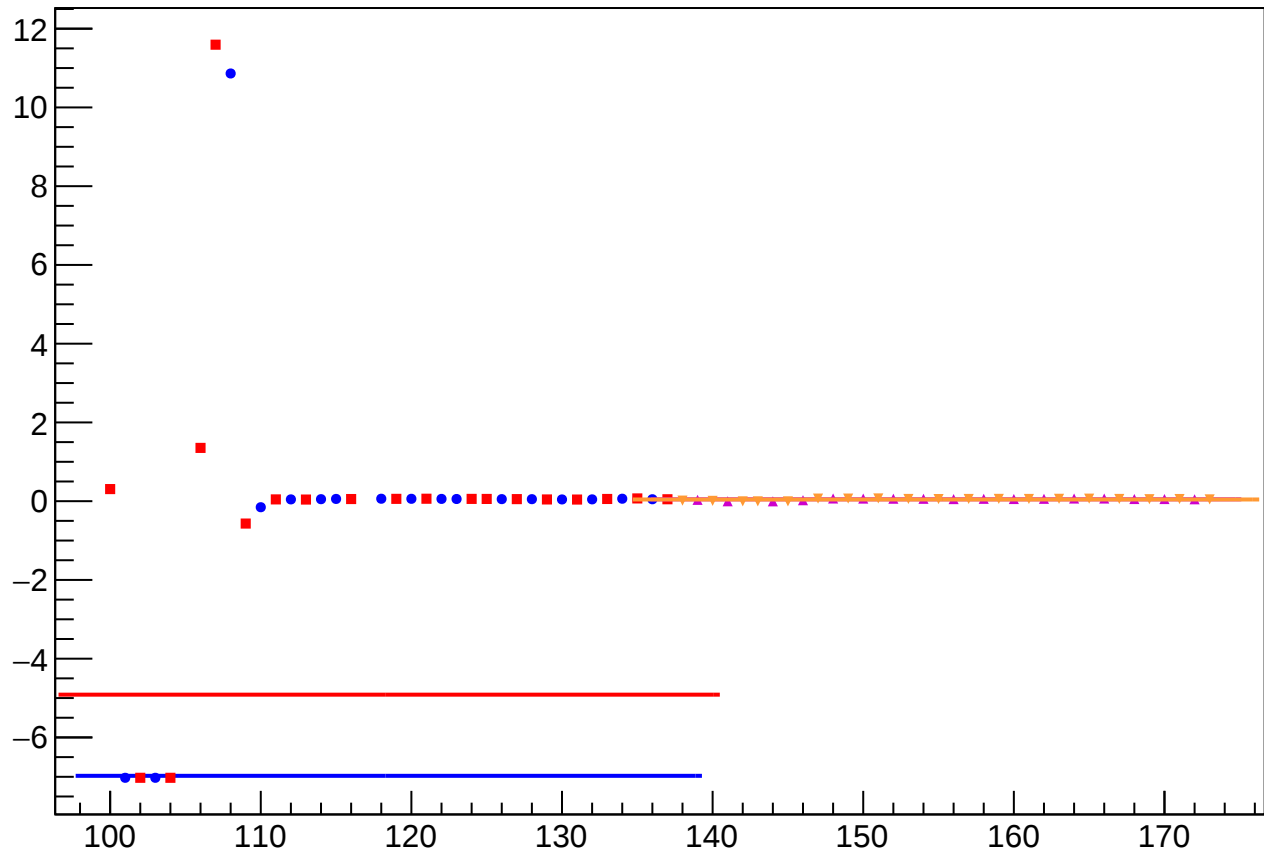
Left In: 0.001 ± 0.000 χ^2/NDF : 734840.7/16

+ sign 0.001 ± 0.000 χ^2/NDF : 4954168.8/35

All: 0.001 ± 0.000 χ^2/NDF : 10206929.5/71

- sign 0.001 ± 0.000 χ^2/NDF : 5251358.2/35

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8749579700722.8/16

Left Out: 0.043+/-0.000 χ^2 /NDF: 95944060.0/18

Right Out: -4.914+/-0.000 χ^2 /NDF: 365358092730279.9/18

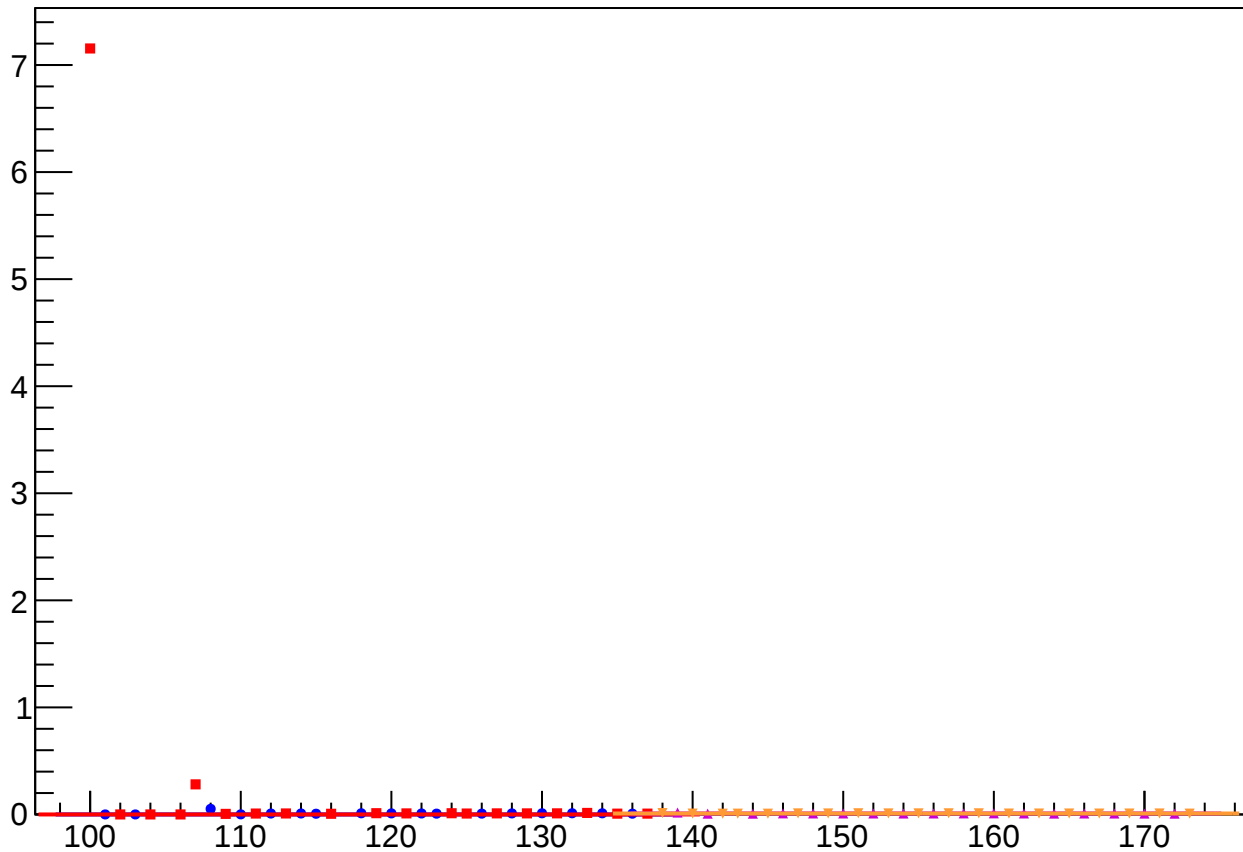
Left In: 0.047+/-0.000 χ^2 /NDF: 74641184.5/16

+ sign -6.935+/-0.000 χ^2 /NDF: 15865751667132.0/16

All: -5.869+/-0.000 χ^2 /NDF: 4399320372681.0/16

- sign -4.891+/-0.000 χ^2 /NDF: 368504344032096.0/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 453140.4/18

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

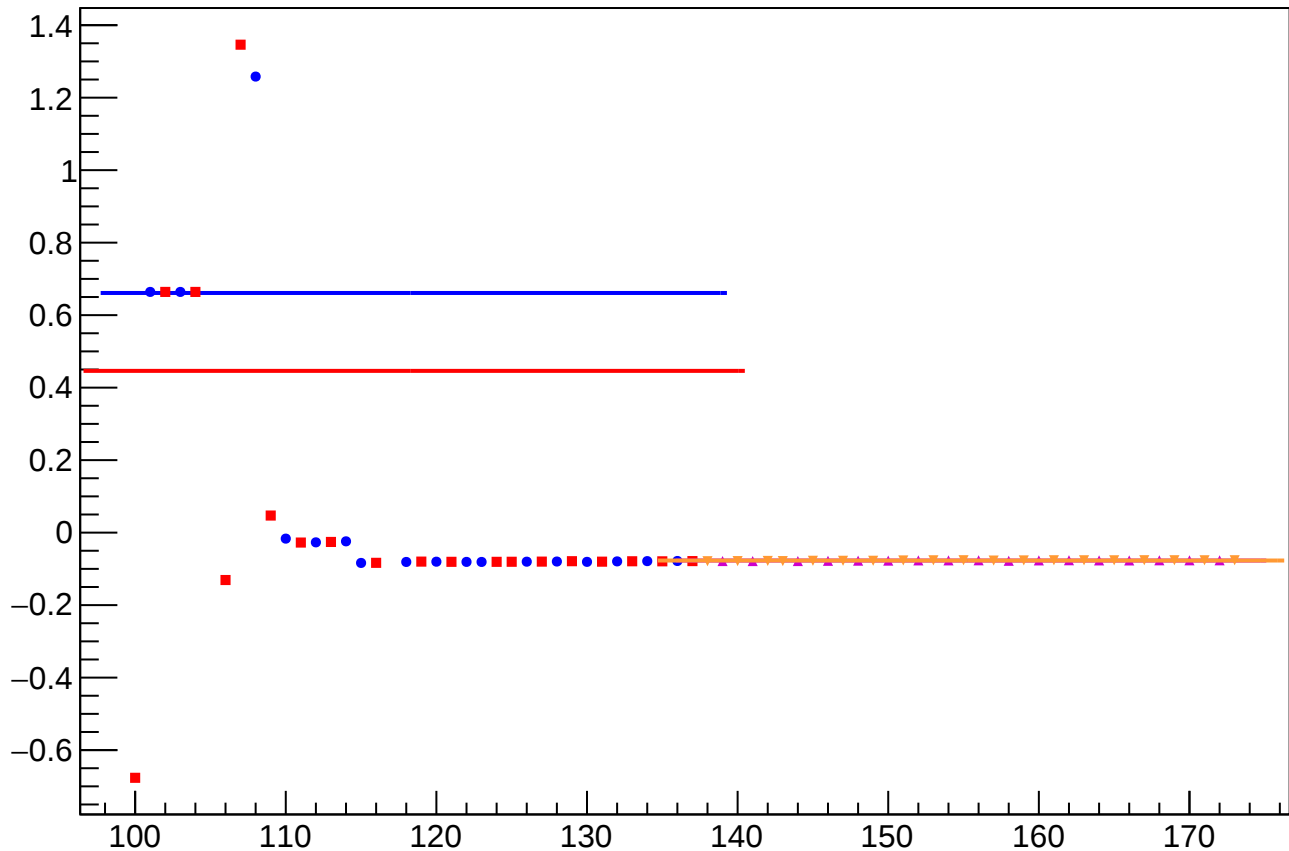
Left In: 0.009+/-0.000 χ^2/NDF : 579655.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 30451053.3/35

All: 0.000+/-0.000 χ^2/NDF : 60137394.7/71

- sign 0.000+/-0.000 χ^2/NDF : 29682813.7/35

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.077+/-0.000 χ^2/NDF : 35189304.9/18

Right Out: 0.446+/-0.000 χ^2/NDF : 405416924315199.0/18

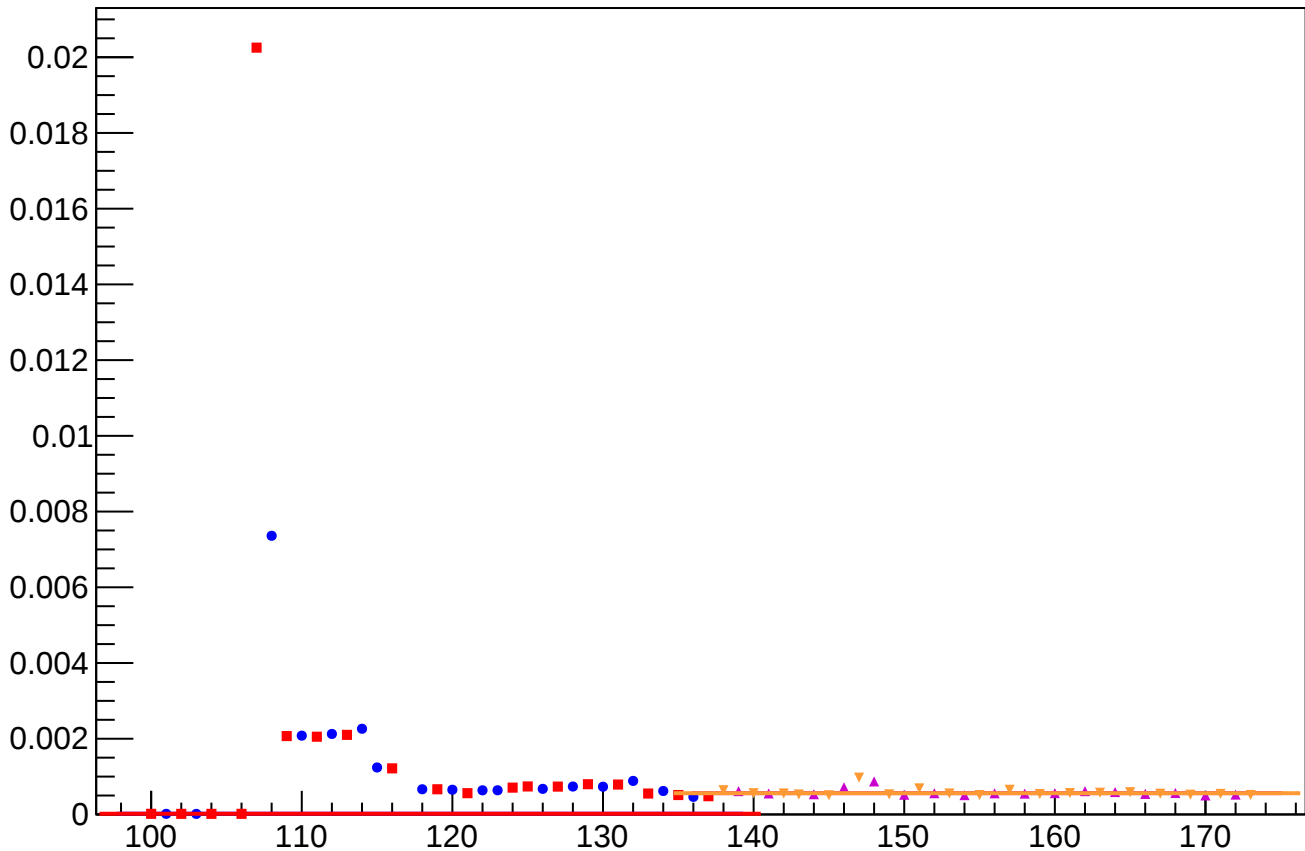
Left In: -0.077+/-0.000 χ^2/NDF : 24709525.9/16

+ sign 0.649+/-0.000 χ^2/NDF : 28601297722115.5/3

All: 0.540+/-0.000 χ^2/NDF : 50580287255364

- sign 0.439+/-0.000 χ^2/NDF : 416128091437461.2/3

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 439602.7/18

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

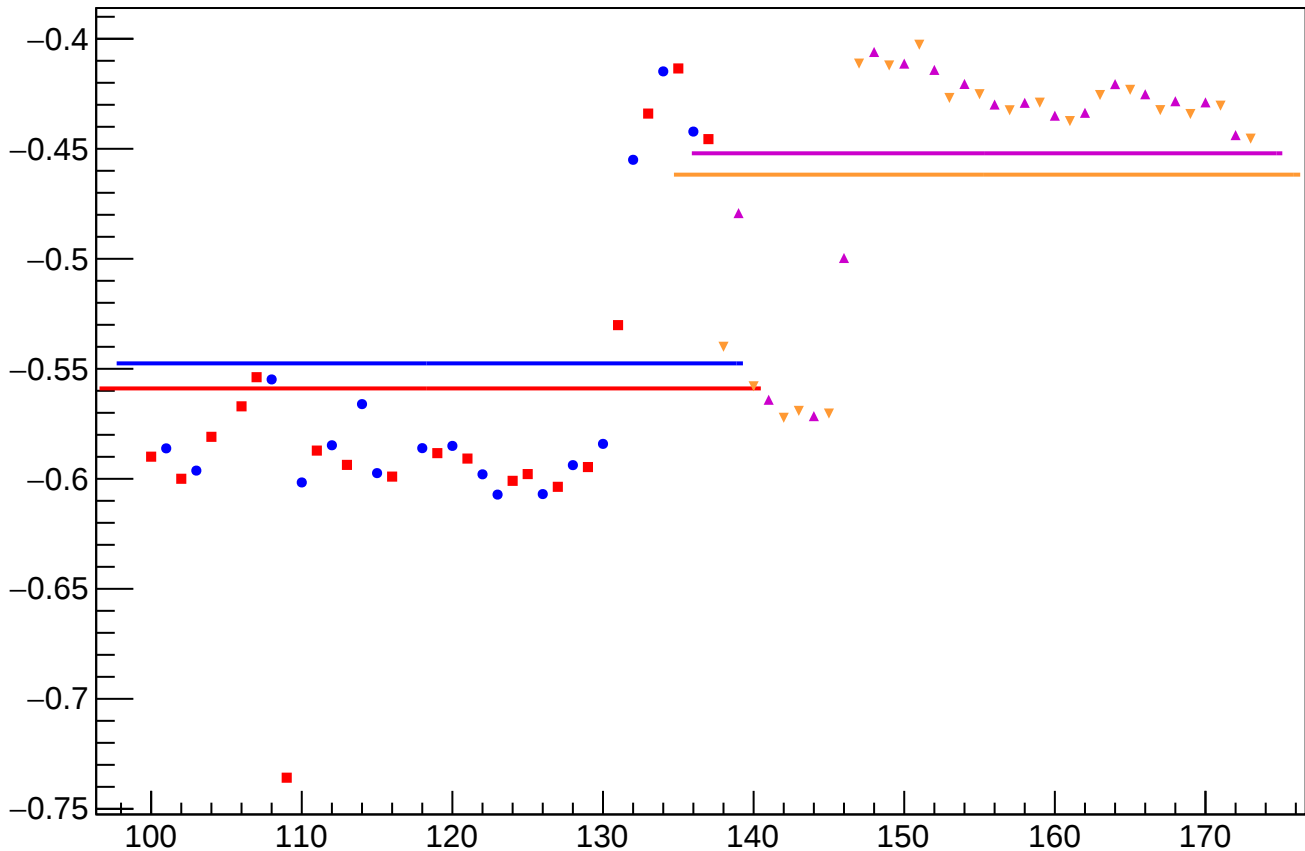
Left In: 0.001+/-0.000 χ^2/NDF : 351534.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 35200862.7/35

All: 0.000+/-0.000 χ^2/NDF : 68318001.3/71

- sign 0.000+/-0.000 χ^2/NDF : 33111972.2/35

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.462+/-0.000 χ^2/NDF : 106538123.4/18

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

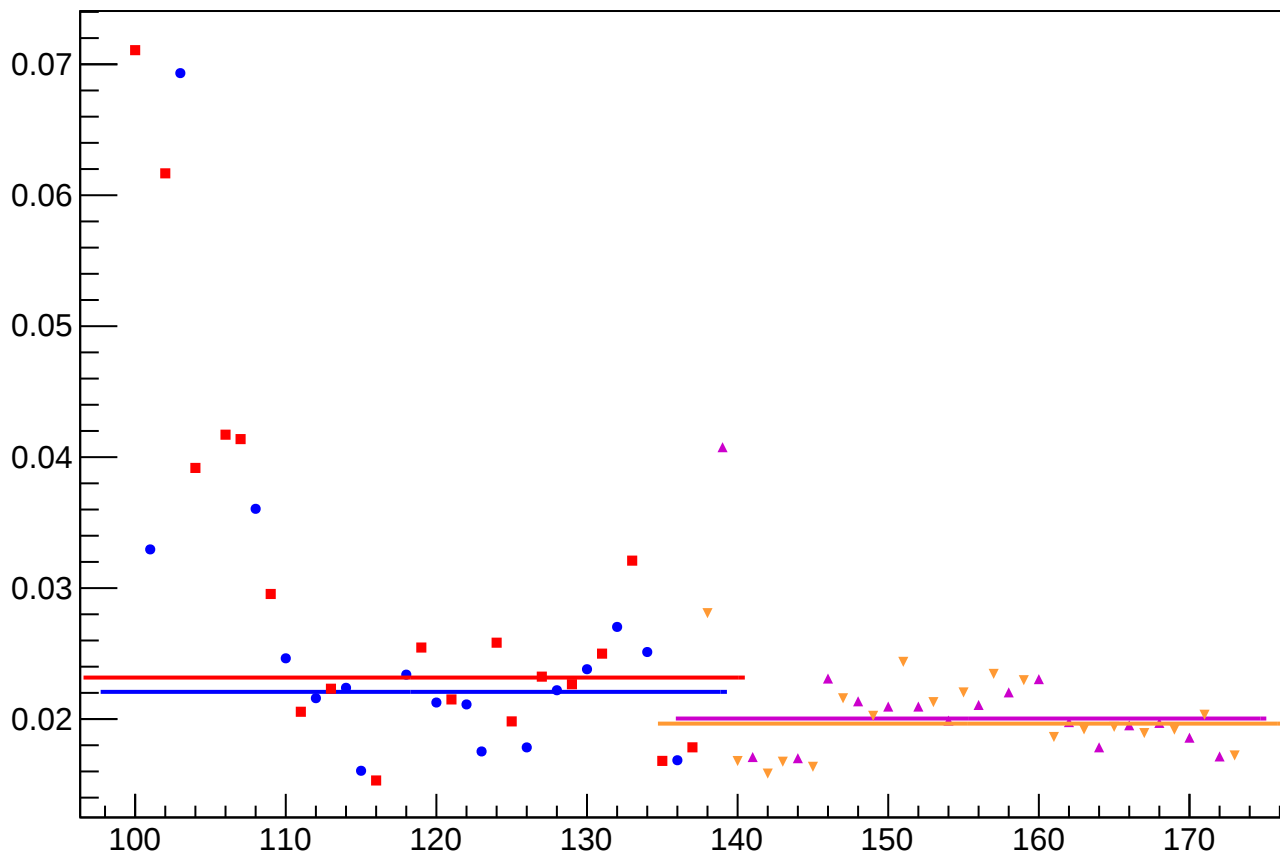
Left In: -0.452+/-0.000 χ^2/NDF : 75248873.0/16

+ sign -0.484+/-0.000 χ^2/NDF : 211409855.7/35

All: -0.483+/-0.000 χ^2/NDF : 434394590.2/71

- sign -0.481+/-0.000 χ^2/NDF : 222834483.3/35

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 954779.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:424050.9/18

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156758.3/18

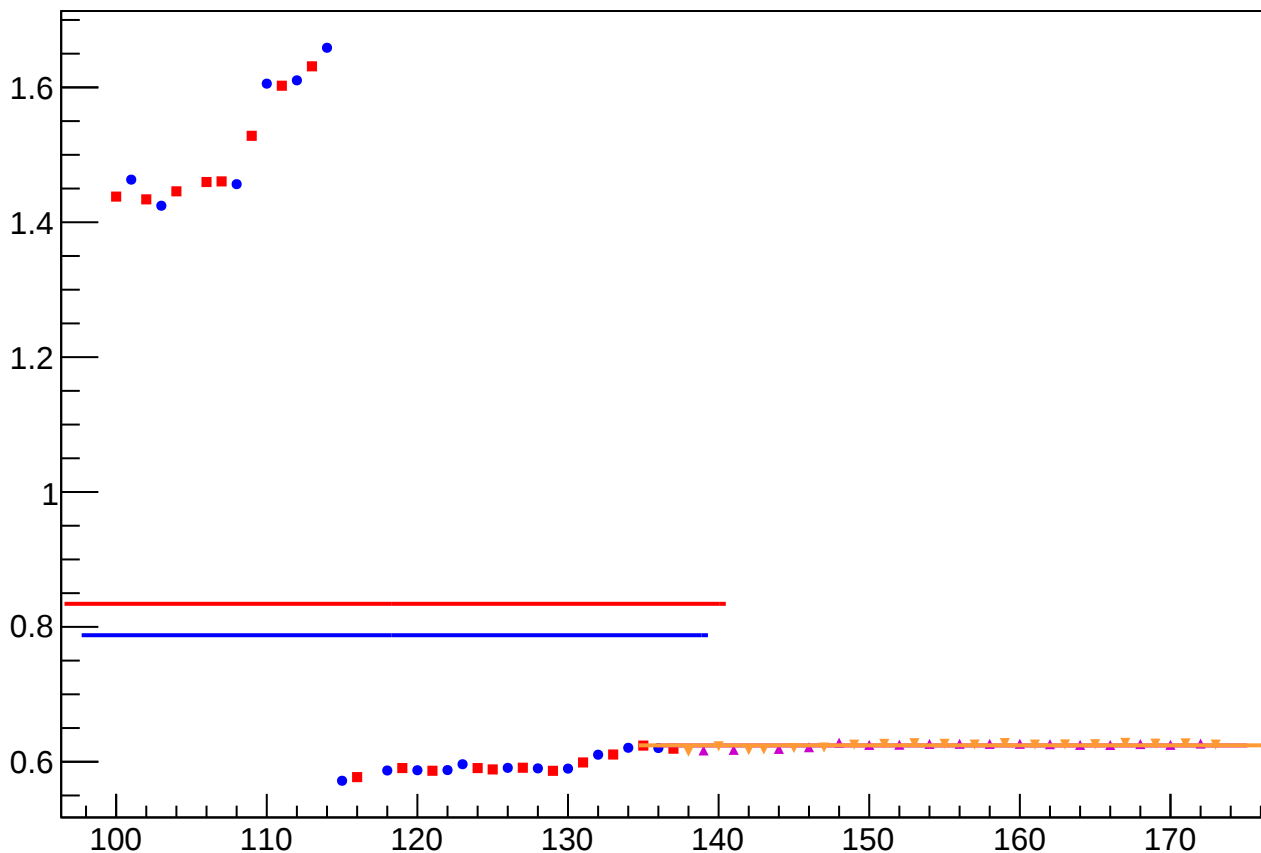
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:572421.8/16

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1468856.3/35

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3353220.7/71

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1870150.7/35

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.624 $\pm$ 0.000 χ^2 /NDF:1237468.7/18

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

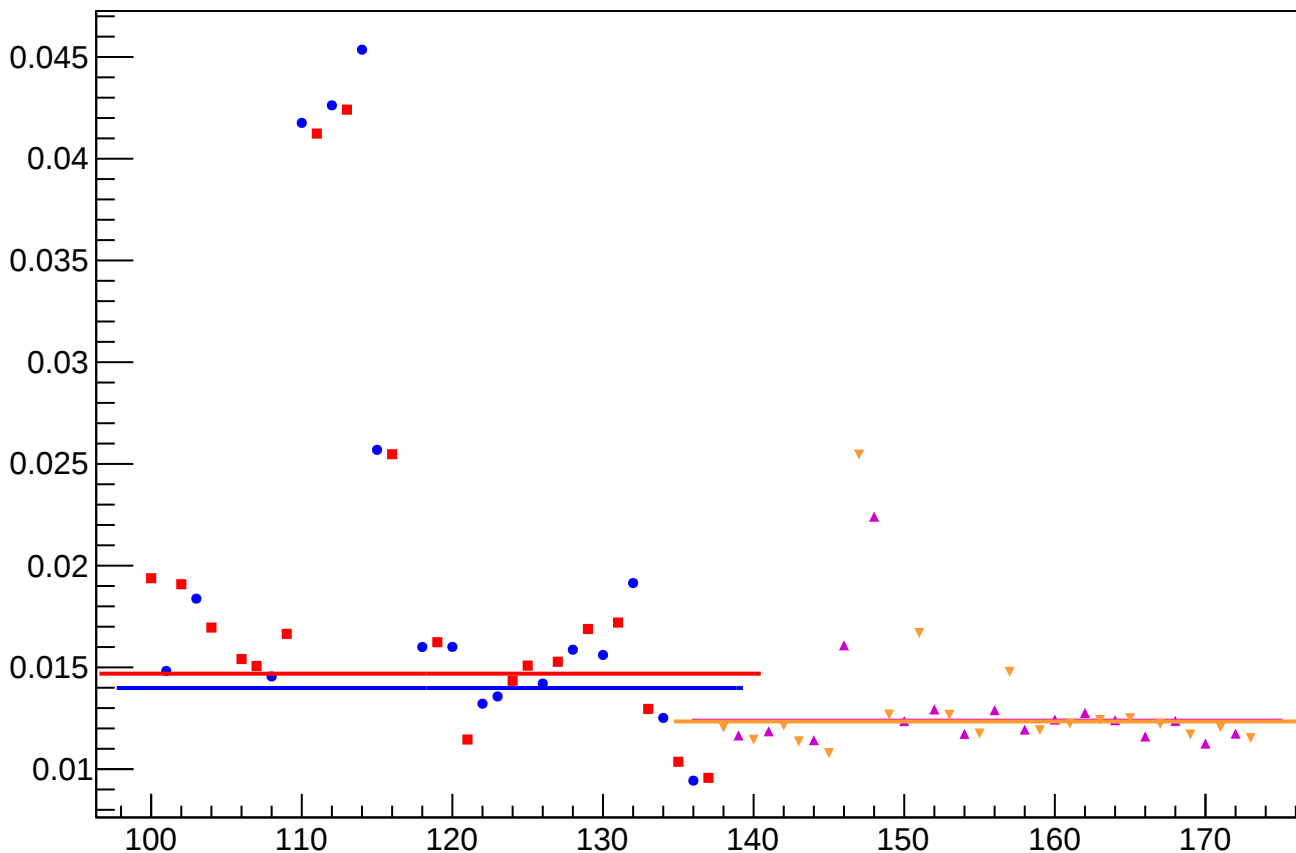
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:959280.6/16

+ sign 0.664 $\pm$ 0.000 χ^2 /NDF: 4161513746.8/35

All: 0.670 $\pm$ 0.000 χ^2 /NDF: 9242608078.6/71

- sign 0.677 $\pm$ 0.000 χ^2 /NDF: 5071745246.2/35

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:604666.1/18

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1258511.3/18

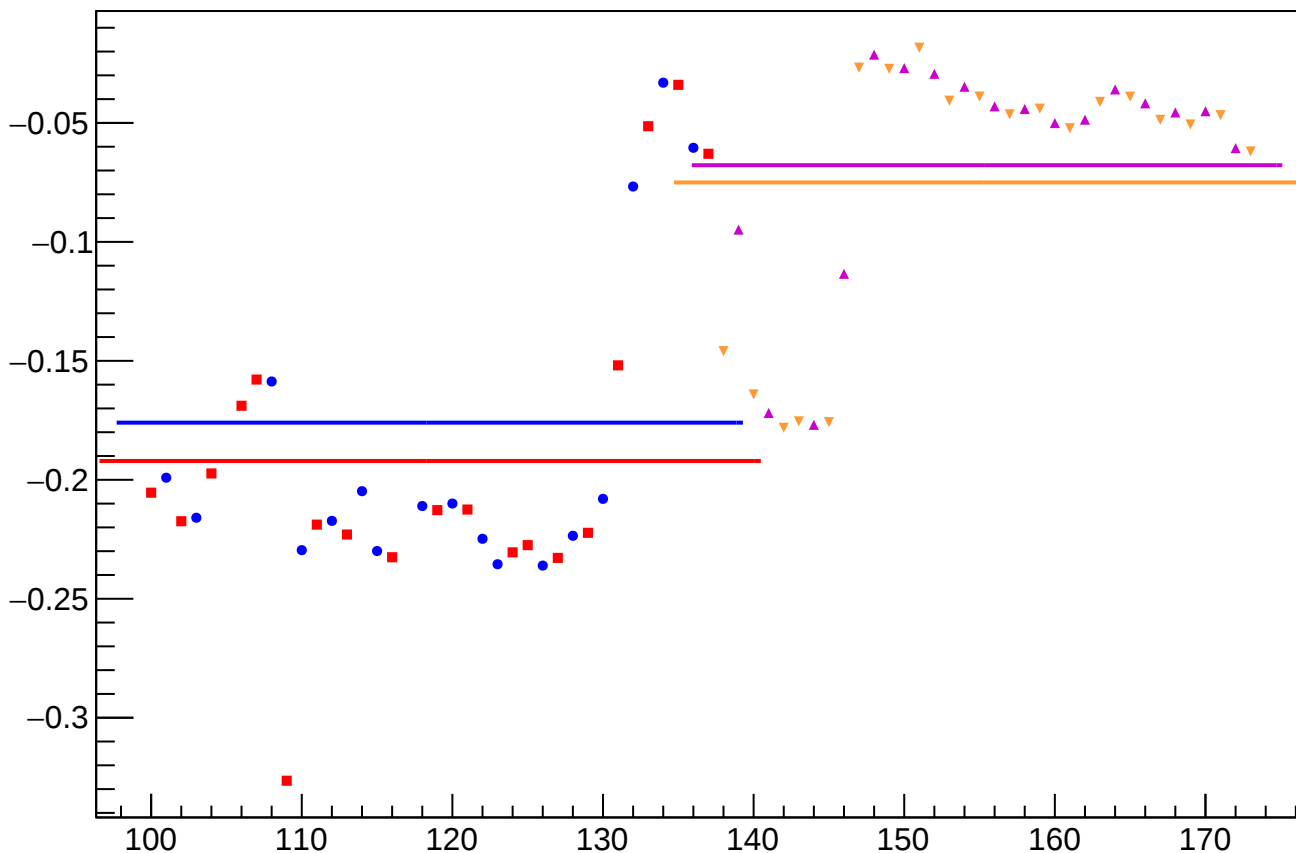
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:440410.6/16

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2120310.2/35

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4046864.1/71

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1921078.5/35

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.075+/-0.000 χ^2/NDF : 101402997.8/18

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

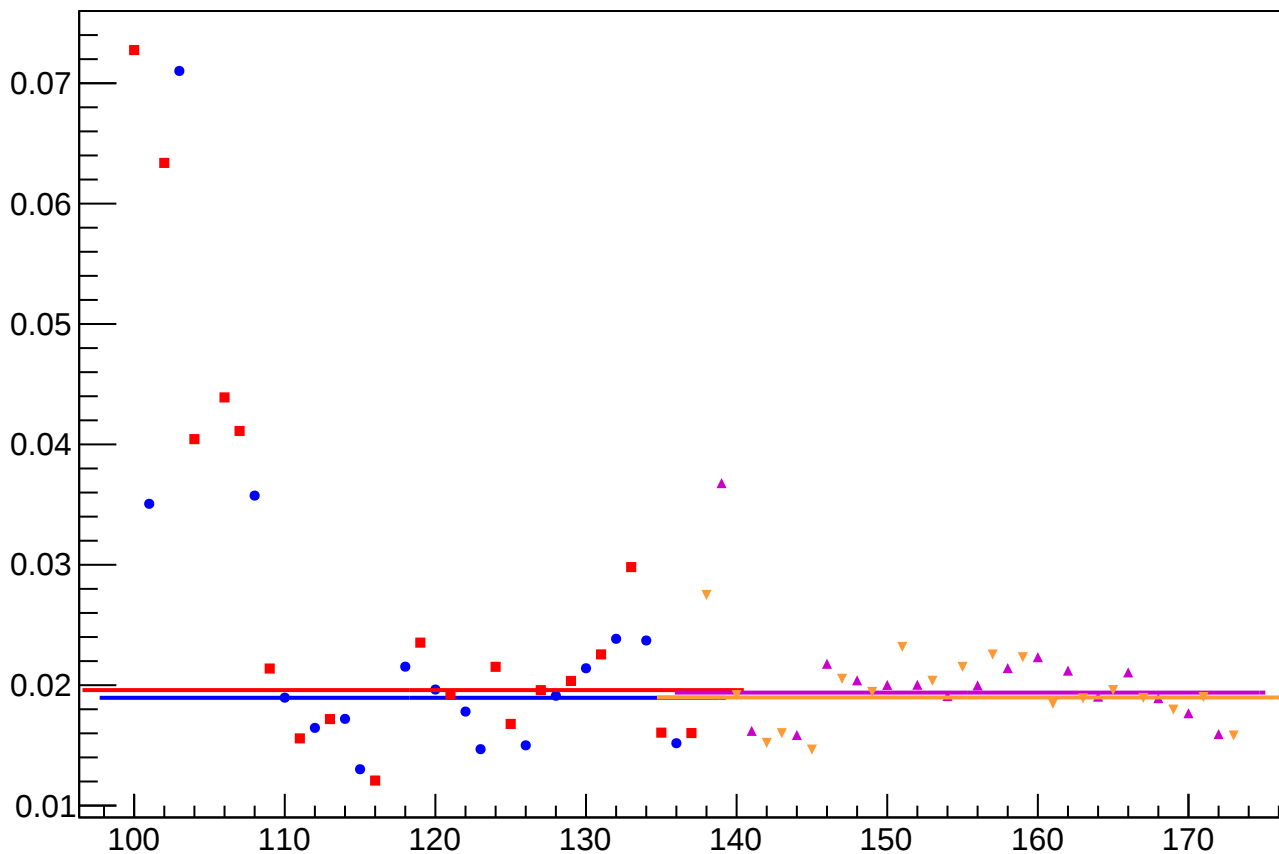
Left In: -0.068+/-0.000 χ^2/NDF : 75613898.8/16

+ sign -0.105+/-0.000 χ^2/NDF : 269572156.6/35

All: -0.107+/-0.000 χ^2/NDF : 570004761.2/71

- sign -0.108+/-0.000 χ^2/NDF : 300314359.5/35

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 476759.8/18

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

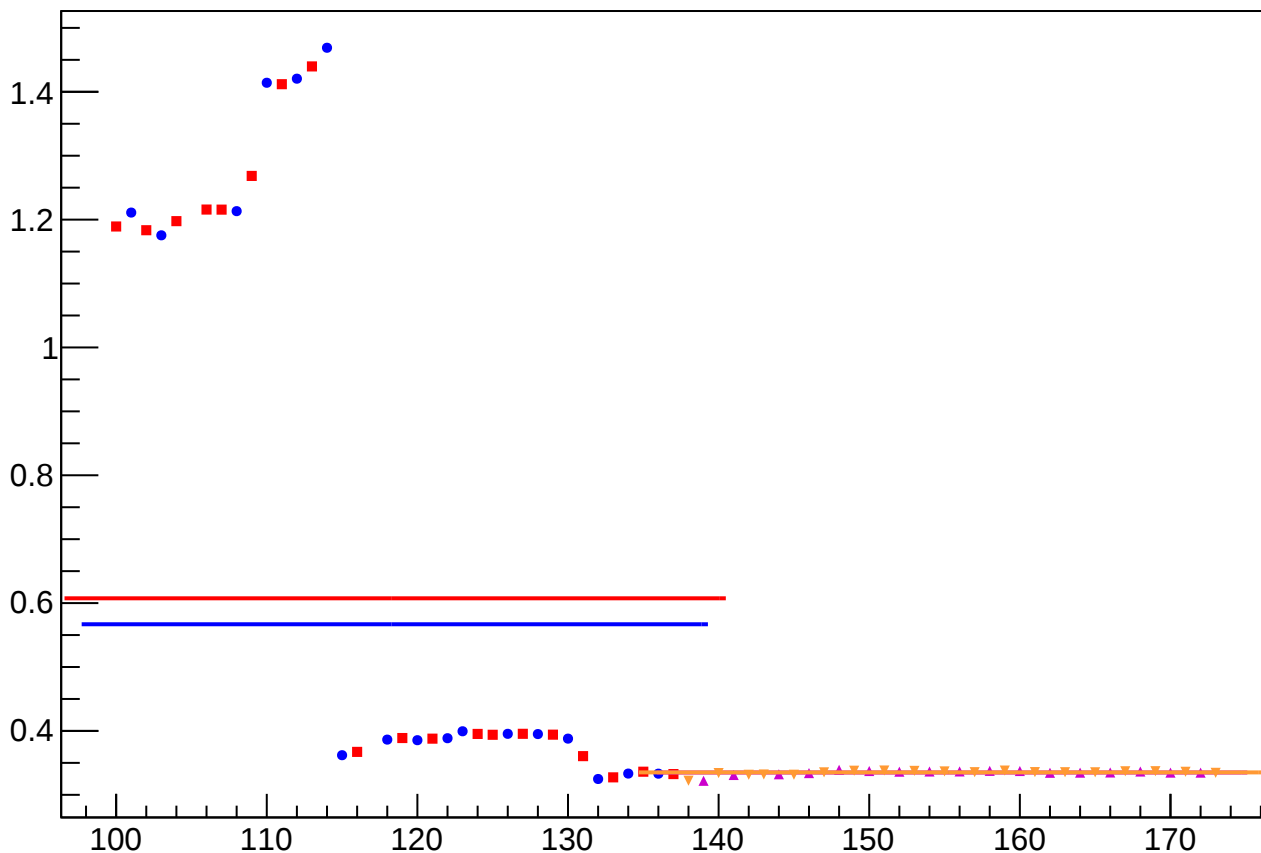
Left In: 0.019+/-0.000 χ^2/NDF : 571216.2/16

+ sign 0.019+/-0.000 χ^2/NDF : 1680049.9/35

All: 0.019+/-0.000 χ^2/NDF : 3717446.0/71

- sign 0.019+/-0.000 χ^2/NDF : 2027336.8/35

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1134005.2/18

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

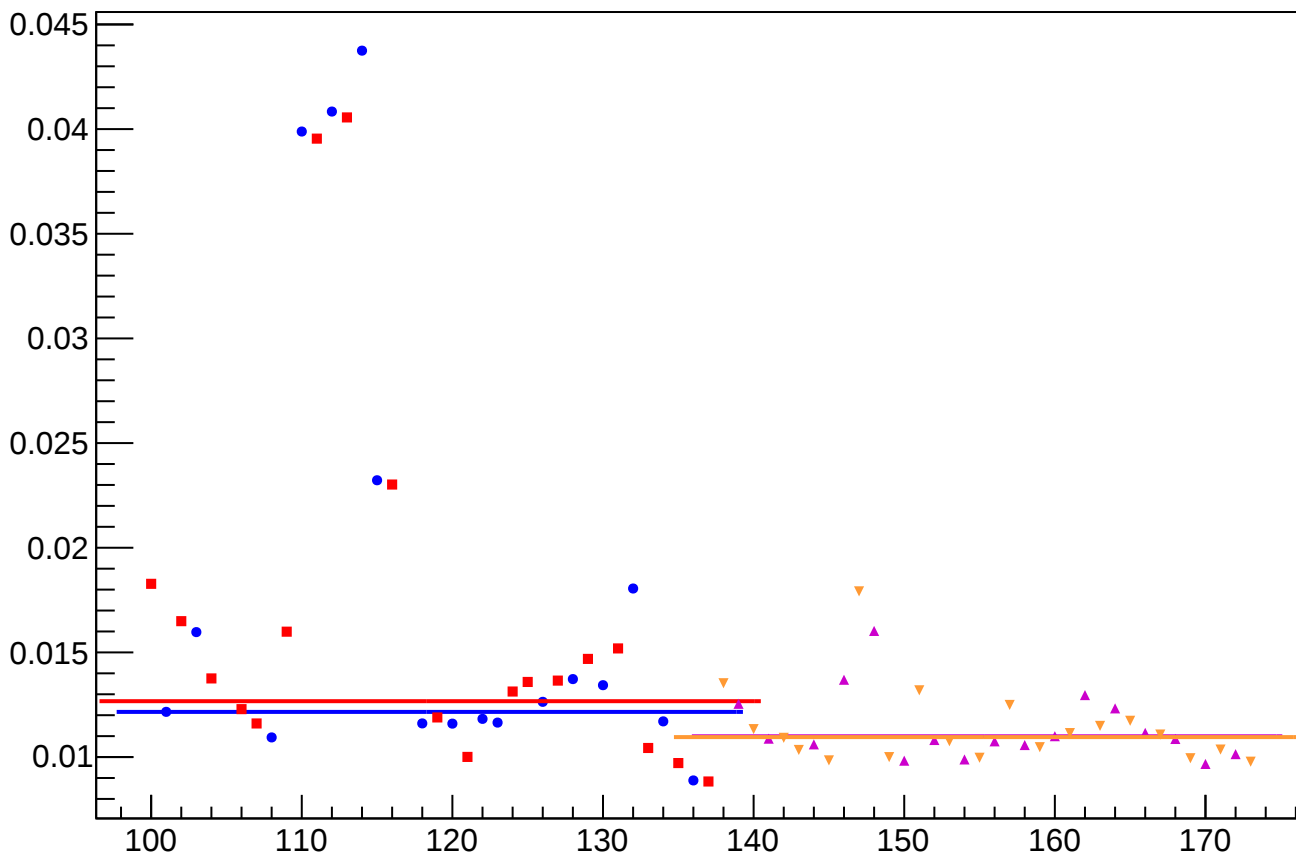
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1169120.4/16

+ sign 0.393 $\pm$ 0.000 χ^2 /NDF: 6541318113.5/35

All: 0.399 $\pm$ 0.000 χ^2 /NDF: 14073508308.2/70

- sign 0.406 $\pm$ 0.000 χ^2 /NDF: 7521006604.9/35

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:451148.9/18

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

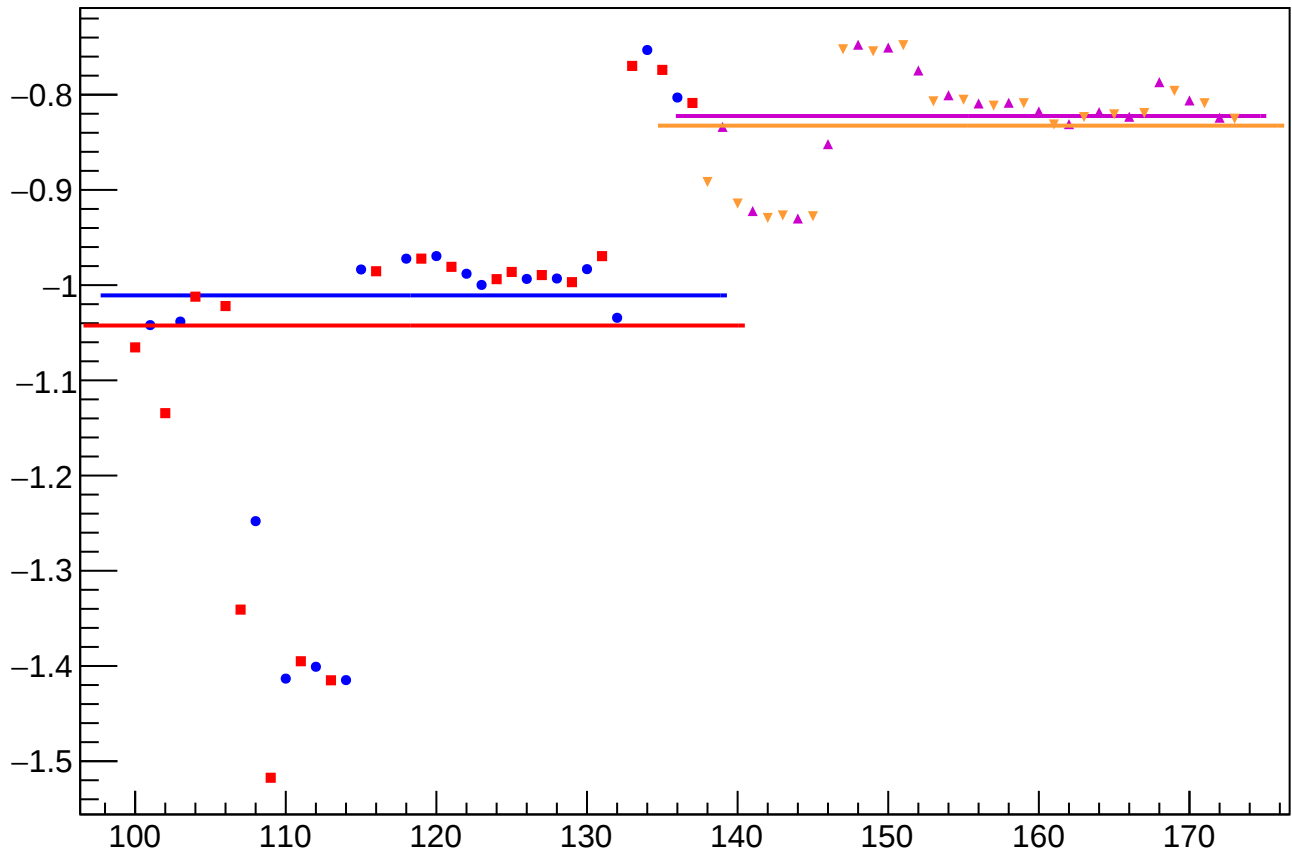
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:368337.1/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1841315.0/35

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3633565.3/71

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1787902.9/35

yield_bpm4acX_mean vs Slug



Right In: -1.011 ± 0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.832 ± 0.000 χ^2/NDF : 97739807.6/18

Right Out: -1.042 ± 0.000 χ^2/NDF : 528958824.5/18

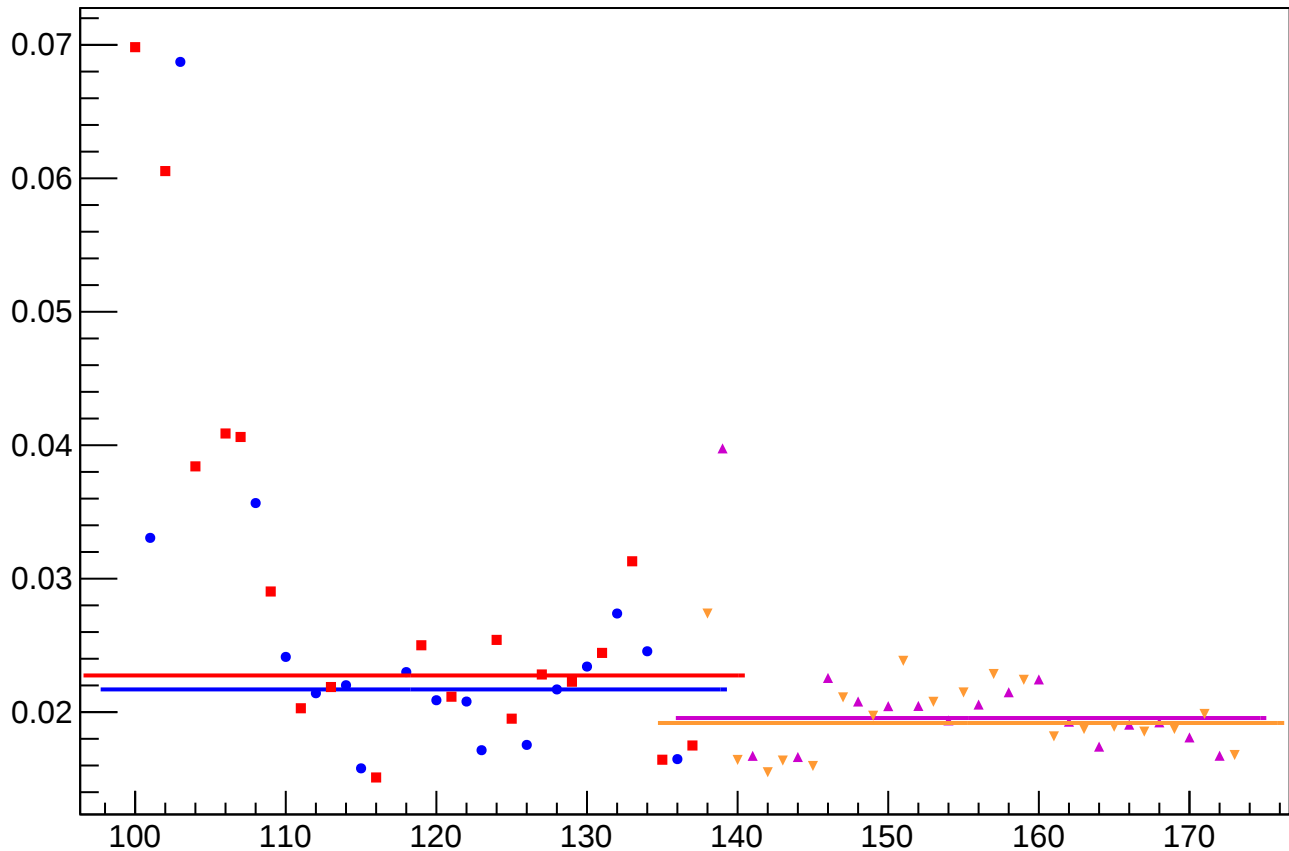
Left In: -0.822 ± 0.000 χ^2/NDF : 73599448.0/16

+ sign -0.878 ± 0.000 χ^2/NDF : 737283191.1/35

All: -0.880 ± 0.000 χ^2/NDF : 1702427414.1/7

- sign -0.882 ± 0.000 χ^2/NDF : 964896895.8/35

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 979293.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:422593.9/18

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152332.6/18

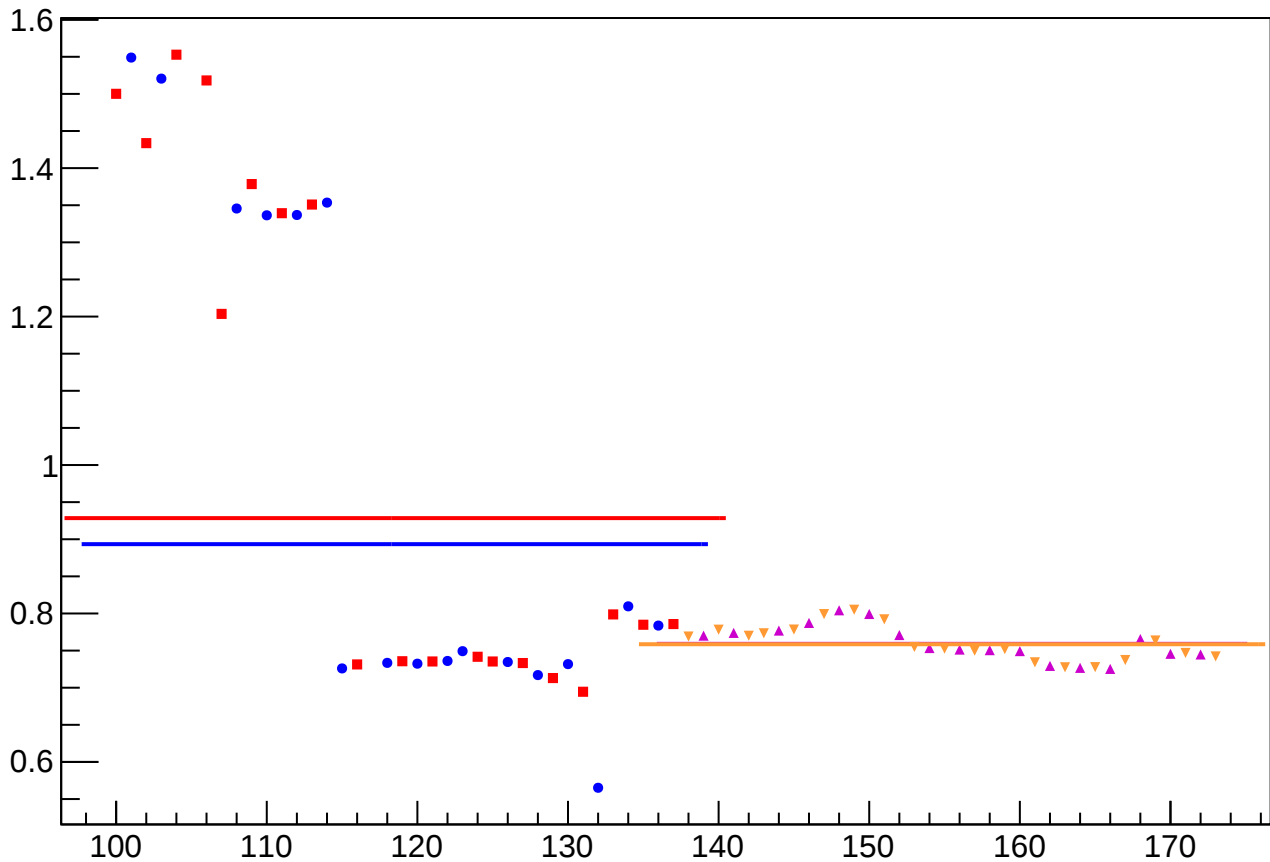
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:569769.0/16

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1502310.0/35

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3390349.9/71

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1874359.0/35

yield_bpm4acY_mean vs Slug



Right In: 0.893 $\pm$ 0.000 χ^2 /NDF: 2408017556.1/16

Left Out: 0.759 $\pm$ 0.000 χ^2 /NDF:39011041.2/18

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2435640156.0/18

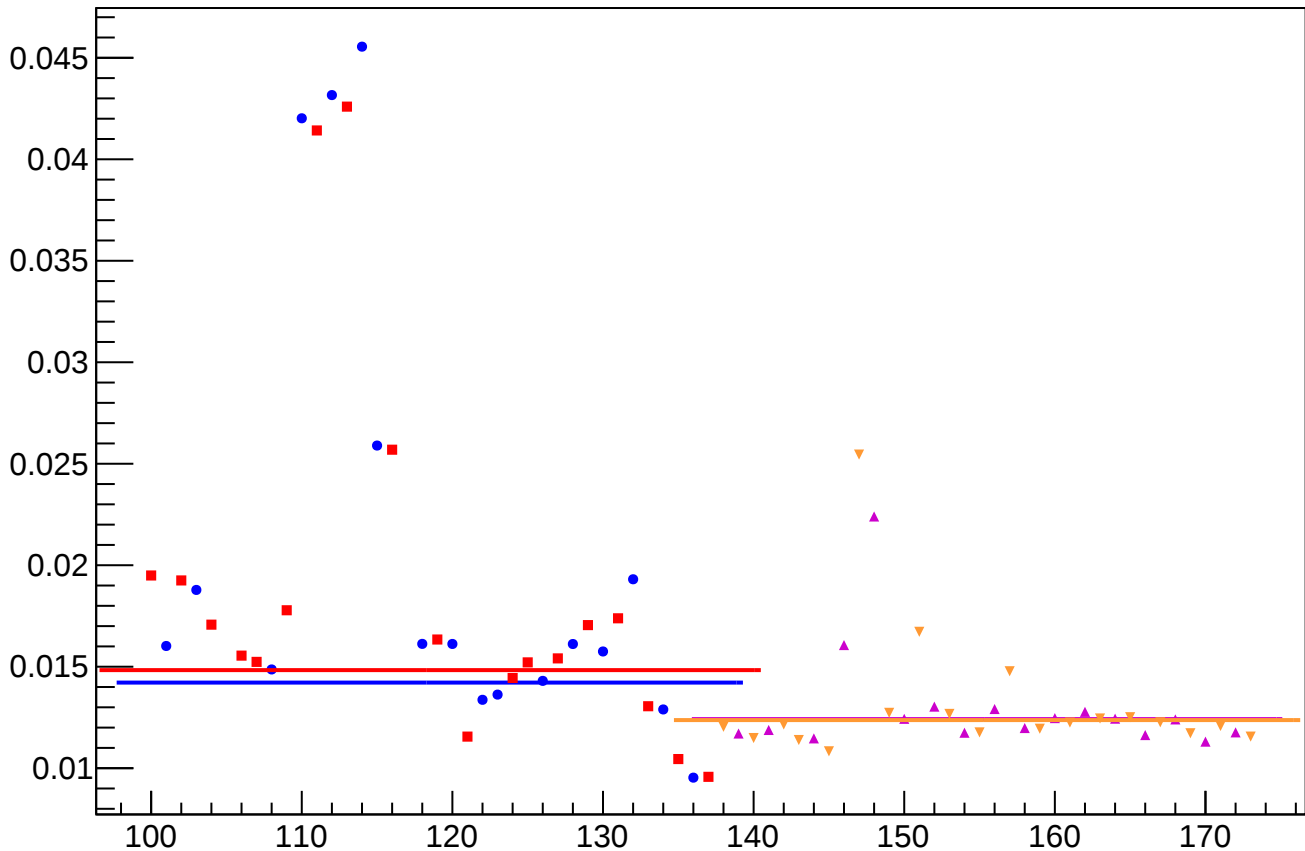
Left In: 0.759 $\pm$ 0.000 χ^2 /NDF:35116417.8/16

+ sign 0.791 $\pm$ 0.000 χ^2 /NDF: 2829907827.6/35

All: 0.796 $\pm$ 0.000 χ^2 /NDF: 5893037615.6/71

- sign 0.801 $\pm$ 0.000 χ^2 /NDF: 3056867172.3/35

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:600077.1/18

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1269559.2/18

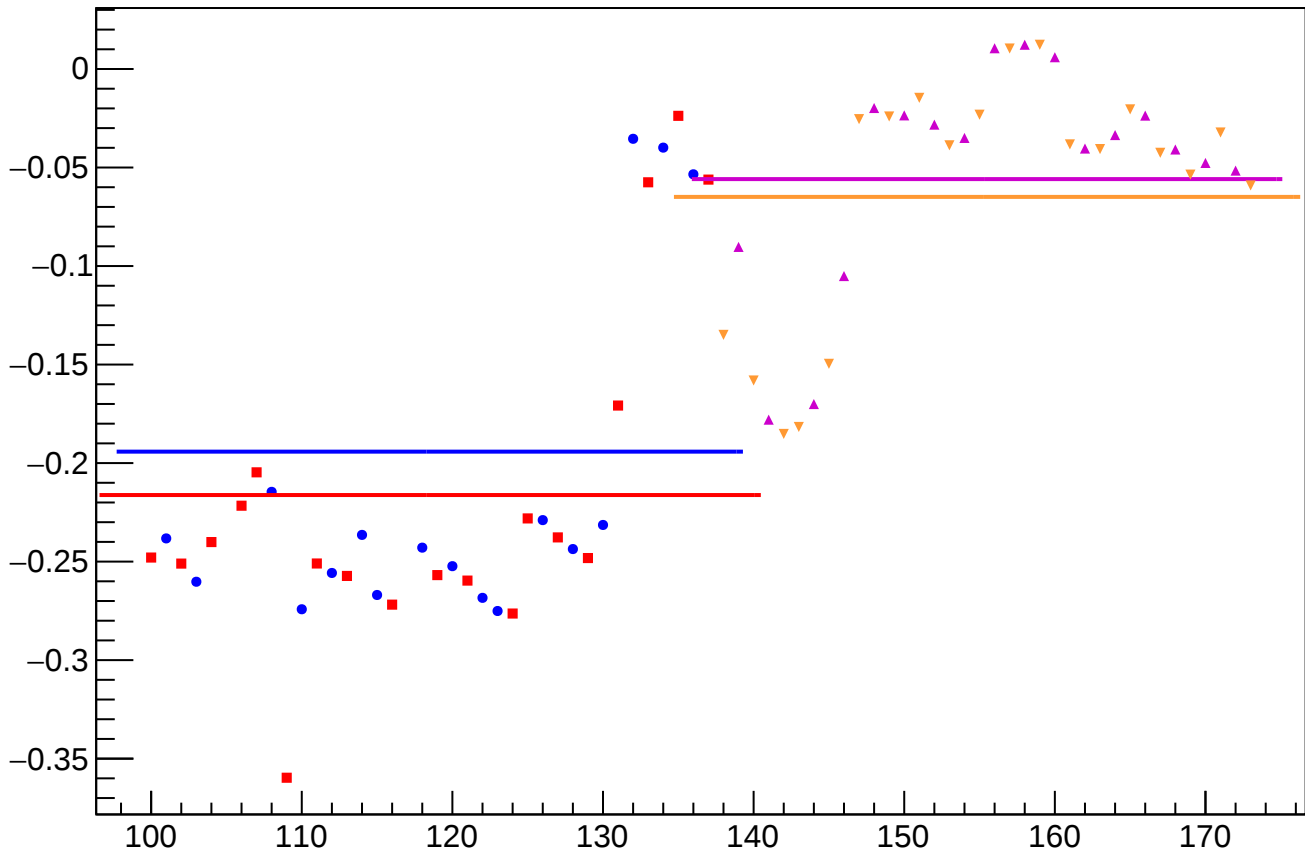
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:435823.4/16

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2153437.2/35

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4101527.0/71

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1943135.5/35

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.065+/-0.000 χ^2/NDF : 117258204.2/18

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

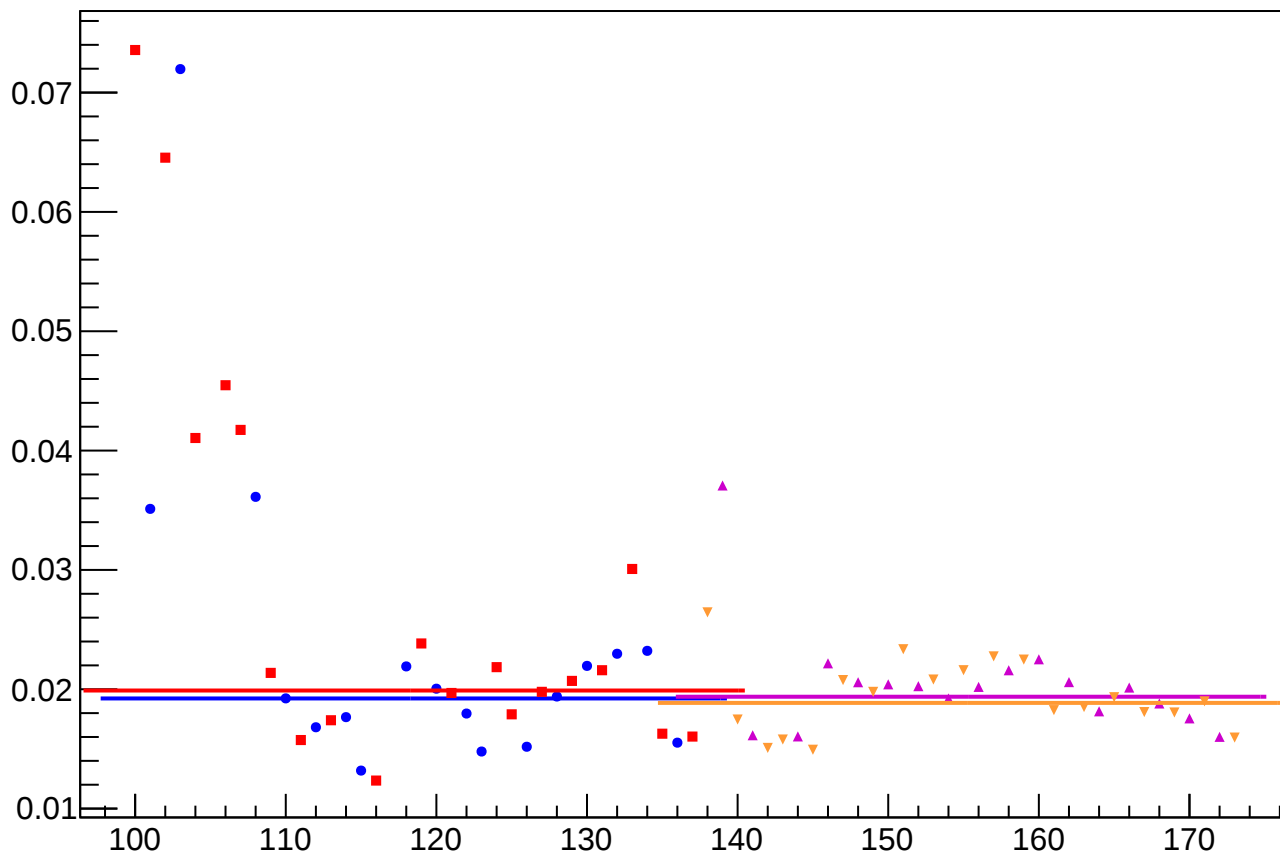
Left In: -0.056+/-0.000 χ^2/NDF : 97497290.9/16

+ sign -0.103+/-0.000 χ^2/NDF : 383698177.8/35

All: -0.105+/-0.000 χ^2/NDF : 822365011.0/71

- sign -0.107+/-0.000 χ^2/NDF : 438391515.1/35

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019+/-0.000 χ^2/NDF : 473251.7/18

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

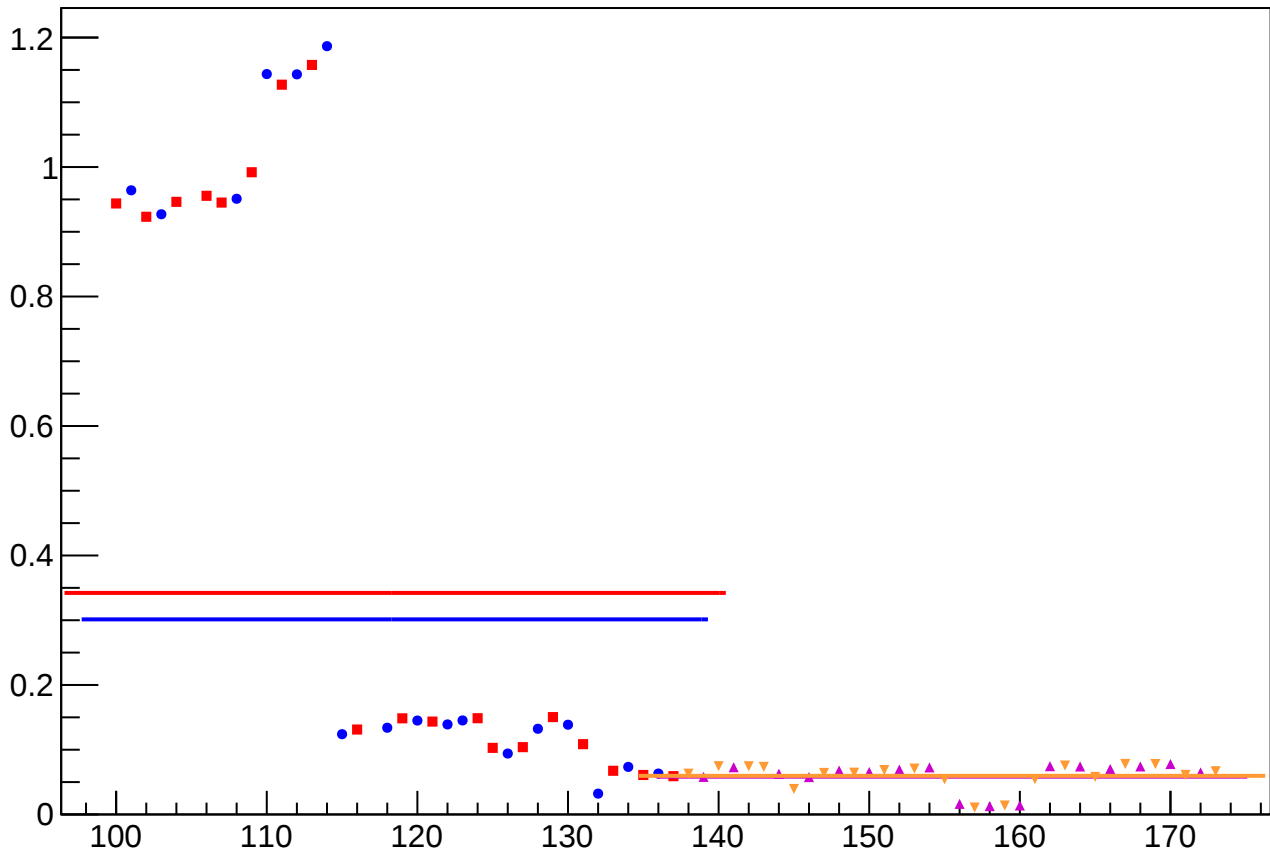
Left In: 0.019+/-0.000 χ^2/NDF : 579091.3/16

+ sign 0.019+/-0.000 χ^2/NDF : 1650448.8/35

All: 0.019+/-0.000 χ^2/NDF : 3693013.2/71

- sign 0.020+/-0.000 χ^2/NDF : 2028382.8/35

yield_bpm4ecY_mean vs Slug



Right In: 0.301 $\pm$ 0.000 χ^2 /NDF: 5154791073.8/16

Left Out: 0.060 $\pm$ 0.000 χ^2 /NDF: 43927409.1/18

Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 5442717599.3/18

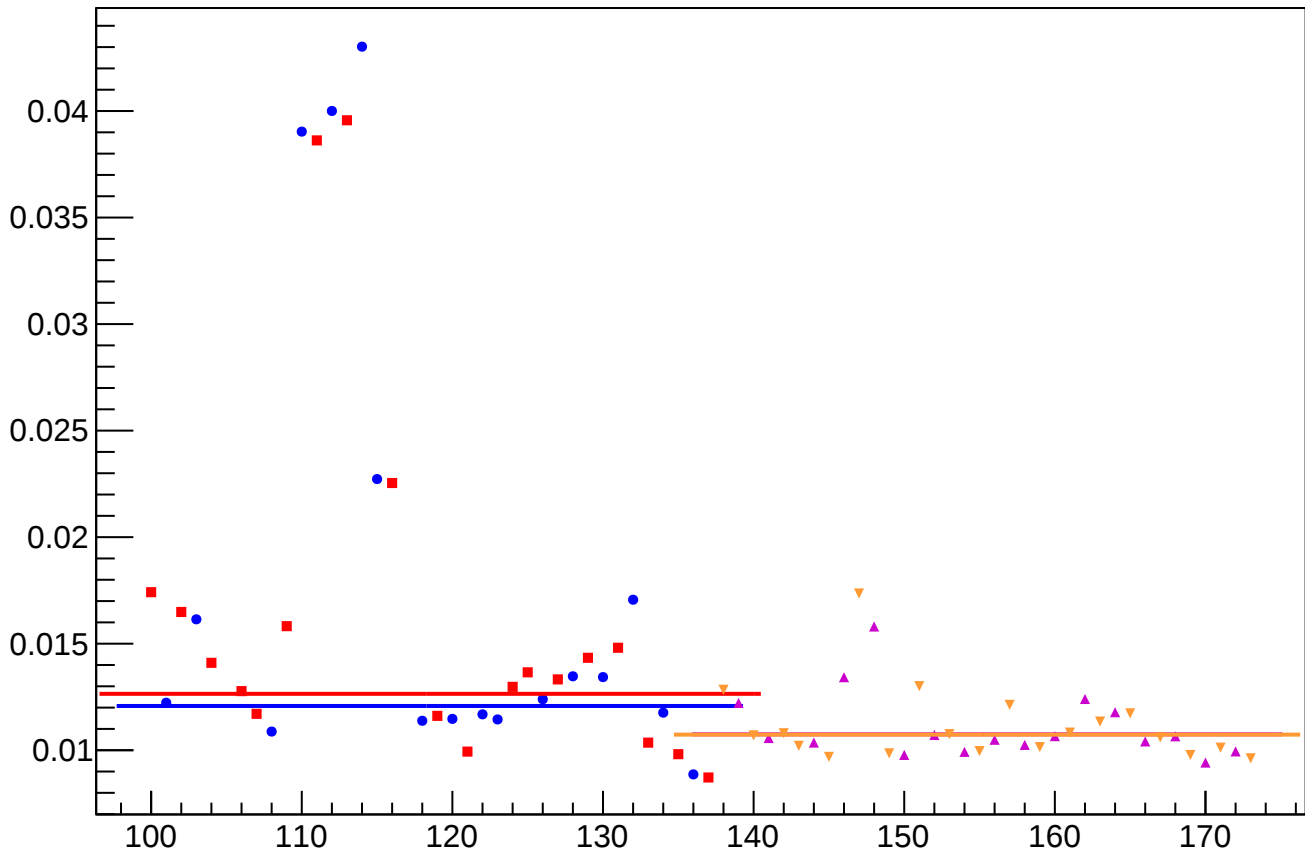
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 55135317.5/16

+ sign 0.119 $\pm$ 0.000 χ^2 /NDF: 6890081555.7/35

All: 0.124 $\pm$ 0.000 χ^2 /NDF: 14612074815.8/70

- sign 0.130 $\pm$ 0.000 χ^2 /NDF: 7713204737.8/35

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 421492.2/18

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1236084.9/18

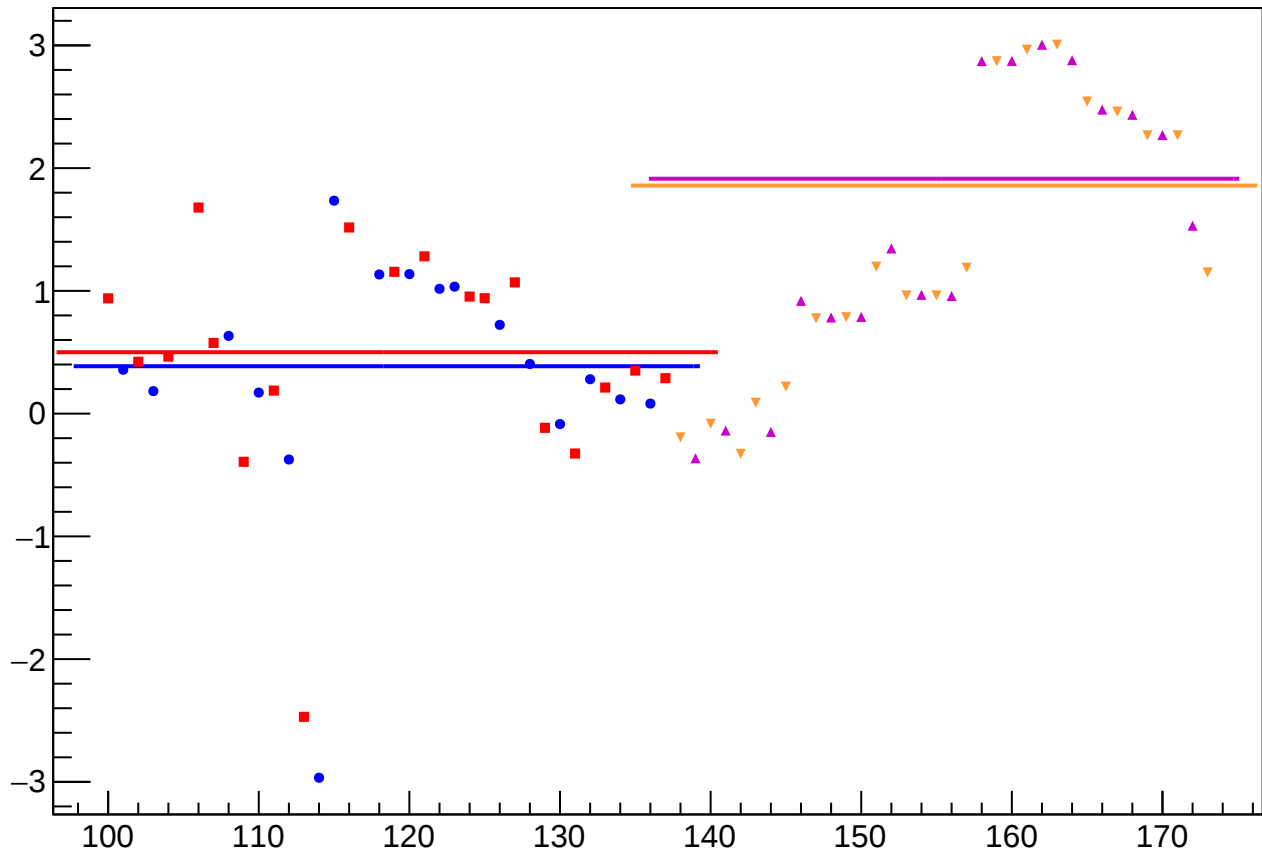
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 349117.5/16

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 1806565.4/35

All: 0.011 $\pm$ 0.000 χ^2/NDF : 3594441.7/71

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 1783894.2/35

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.858+/-0.000 χ^2/NDF : 28721221479.7/18

+ sign 1.791+/-0.000 χ^2/NDF : 32580990348.3/35

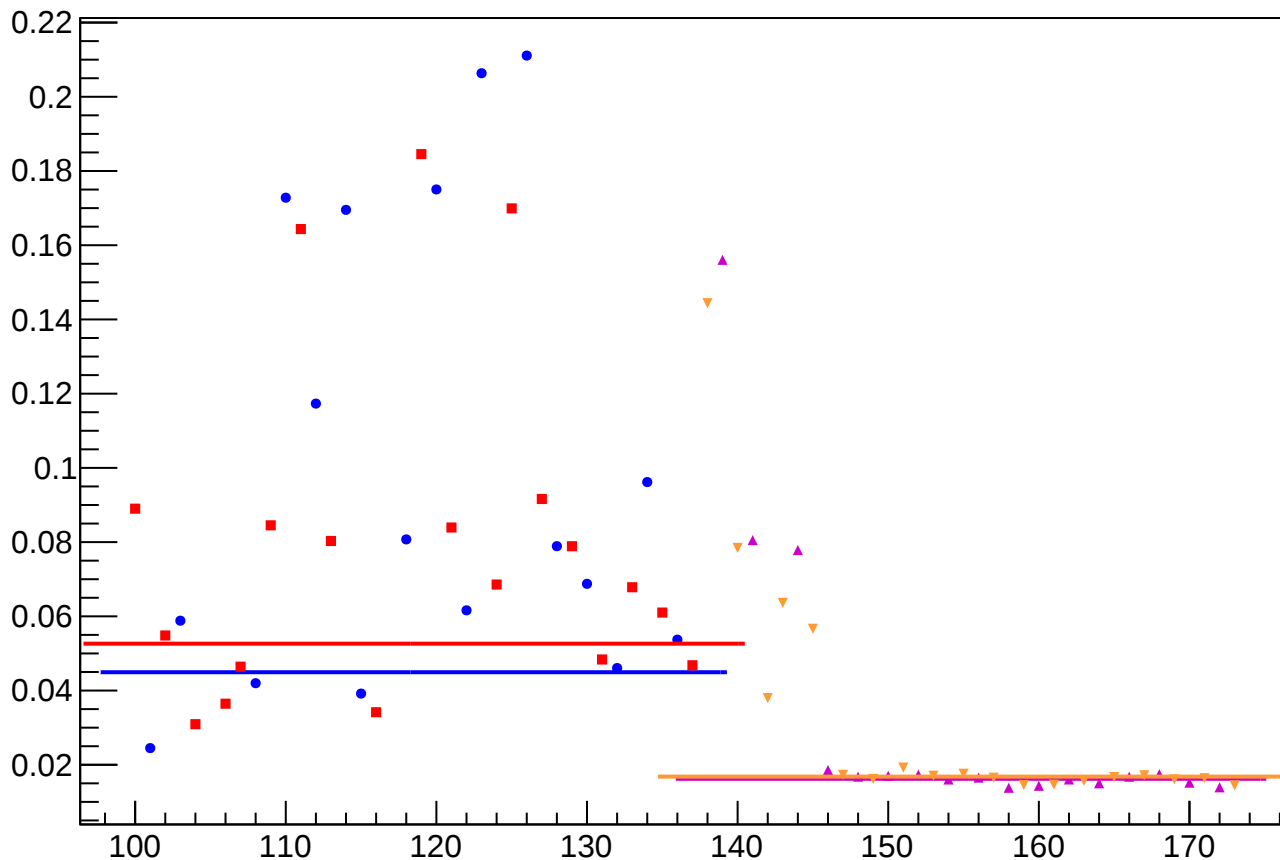
Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

All: 1.825+/-0.000 χ^2/NDF : 65082672733.6/35

- sign 1.859+/-0.000 χ^2/NDF : 32412877279.0/35

Left In: 1.914+/-0.000 χ^2/NDF : 28570445537.0/16

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2788348.6/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2778044.0/18

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2191752.0/18

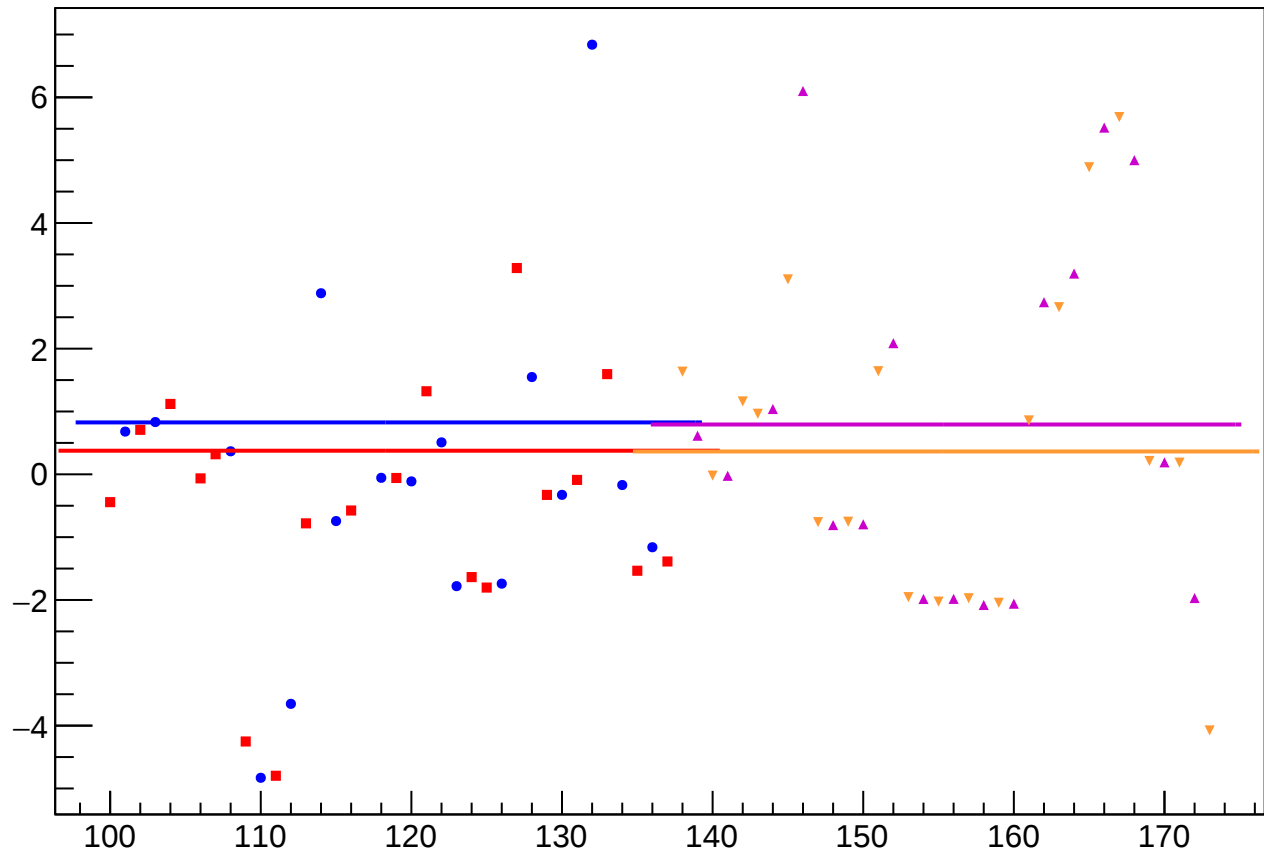
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2449963.9/16

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8204853.5/35

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 16648711.8/71

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8435589.1/35

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.364+/-0.000 χ^2/NDF : 466601354169.4/18

Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

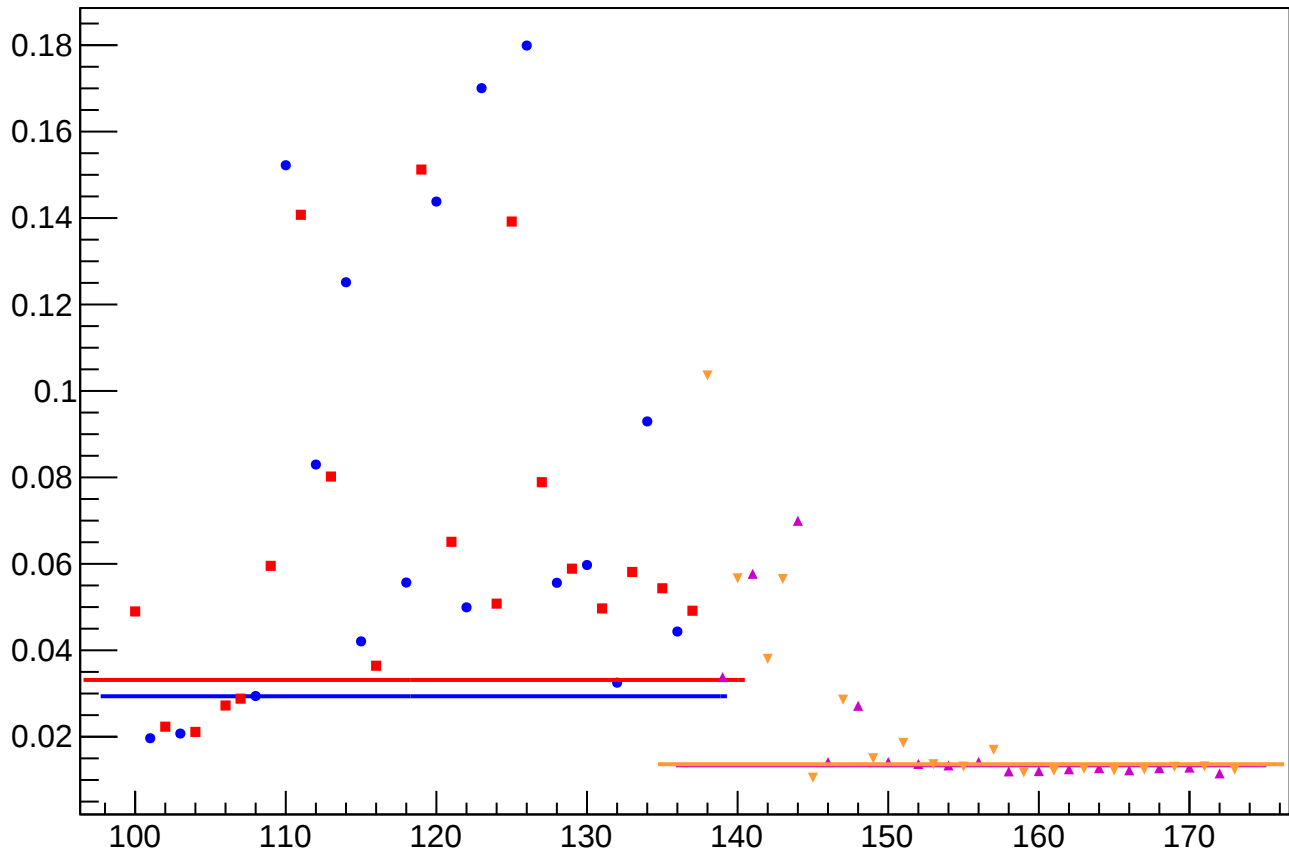
Left In: 0.793+/-0.000 χ^2/NDF : 521340063488.1/16

+ sign 0.392+/-0.000 χ^2/NDF : 478335572933.6/35

All: 0.580+/-0.000 χ^2/NDF : 1009715696106.

- sign 0.770+/-0.000 χ^2/NDF : 526861849458.2/35

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.014+/-0.000 χ^2/NDF : 2861006.1/18

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

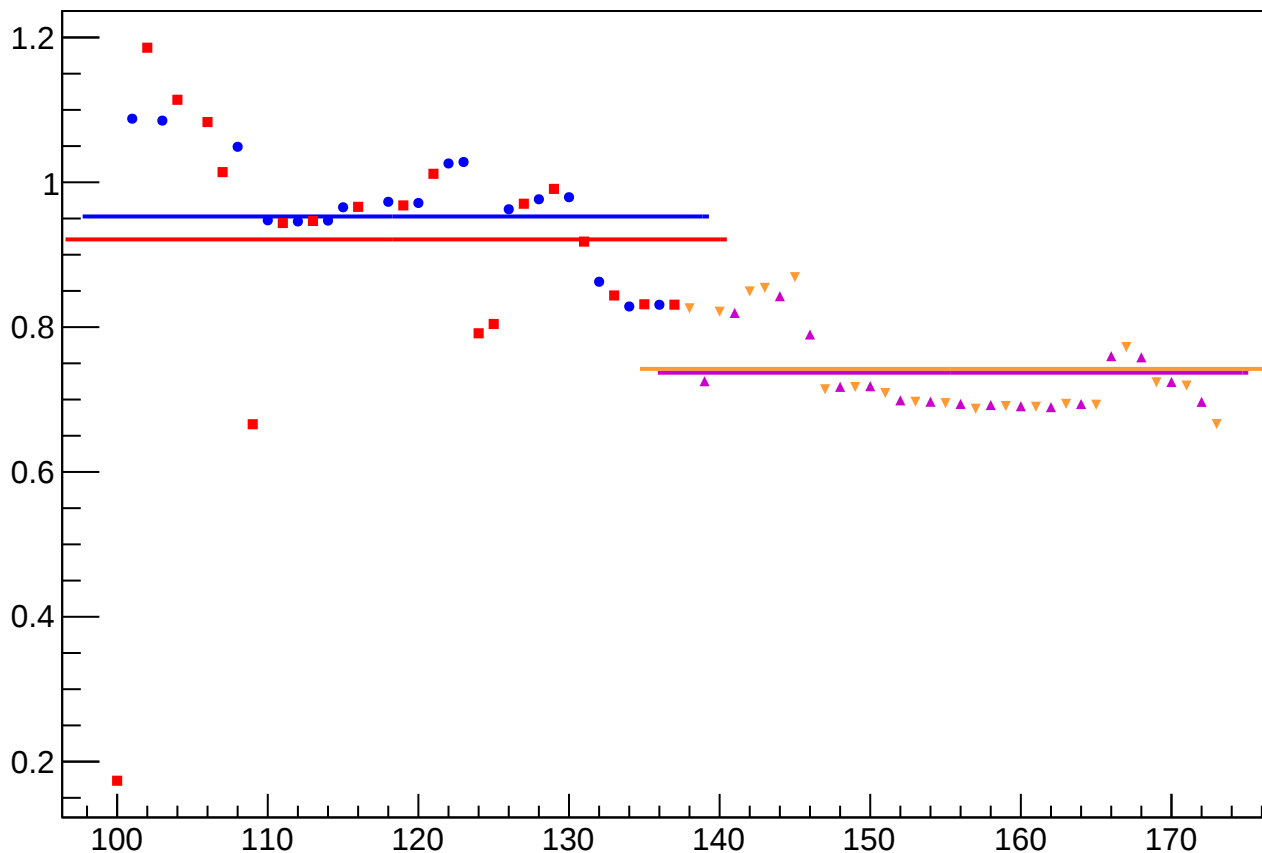
Left In: 0.013+/-0.000 χ^2/NDF : 1932991.5/16

+ sign 0.015+/-0.000 χ^2/NDF : 7673349.6/35

All: 0.015+/-0.000 χ^2/NDF : 15284082.5/71

- sign 0.014+/-0.000 χ^2/NDF : 7609546.7/35

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.742 $\pm$ 0.000 χ^2 /NDF: 289694478.0/18

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

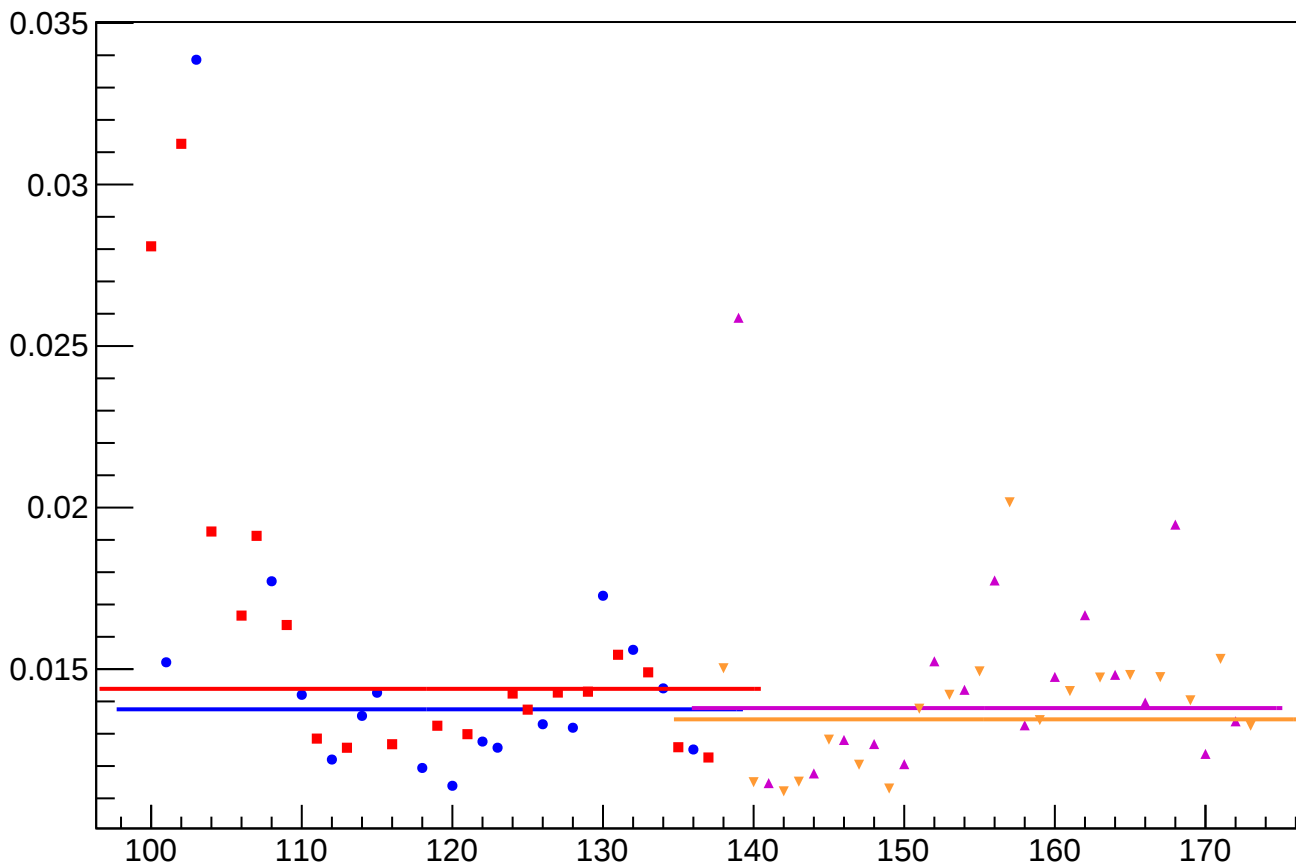
Left In: 0.737 $\pm$ 0.000 χ^2 /NDF: 164414287.9/16

+ sign 0.807 $\pm$ 0.000 χ^2 /NDF: 1399068136.0/35

All: 0.802 $\pm$ 0.000 χ^2 /NDF: 2615470996.6/71

- sign 0.797 $\pm$ 0.000 χ^2 /NDF: 1211315195.1/35

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 396367.7/18

Right Out: 0.014+/-0.000 χ^2/NDF : 503813.0/18

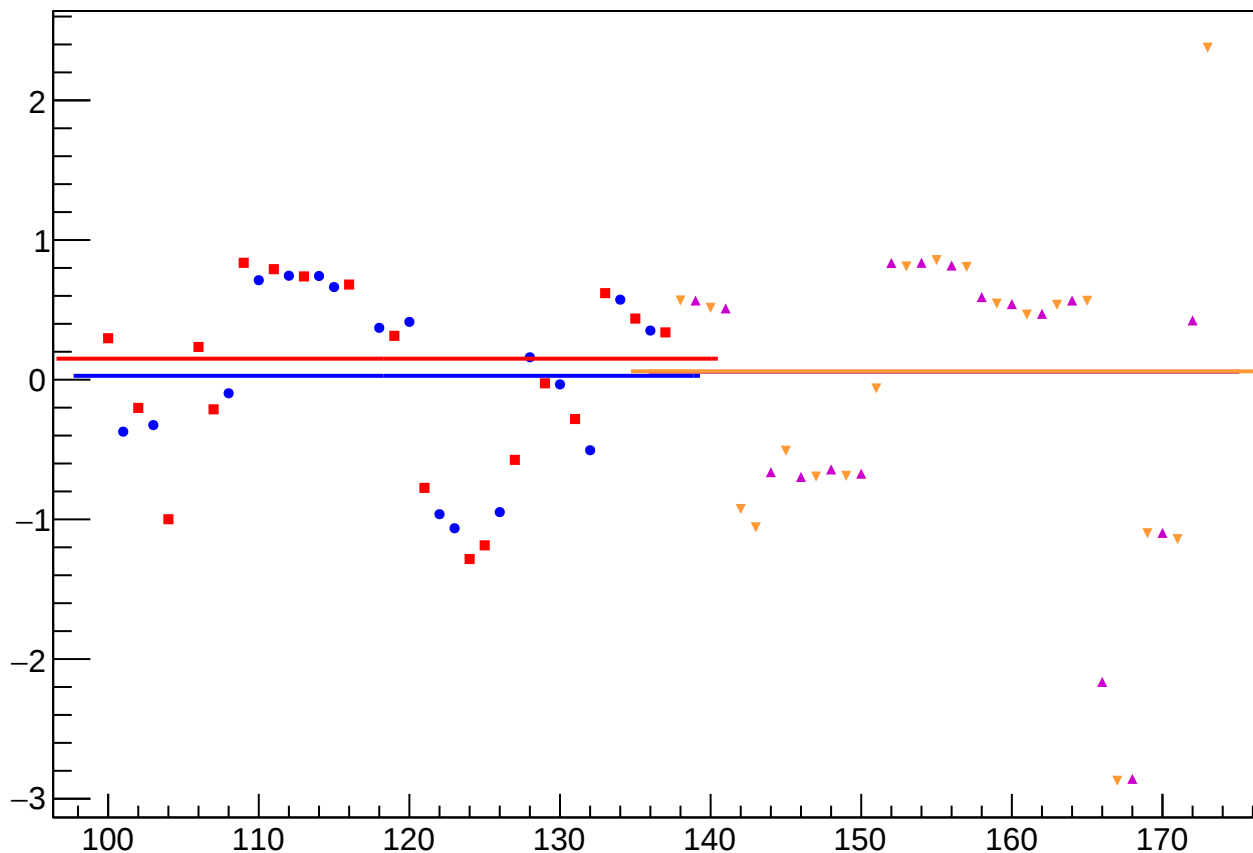
Left In: 0.014+/-0.000 χ^2/NDF : 752097.3/16

+ sign 0.014+/-0.000 χ^2/NDF : 938896.7/35

All: 0.014+/-0.000 χ^2/NDF : 2227730.6/71

- sign 0.014+/-0.000 χ^2/NDF : 1270008.0/35

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.060+/-0.000 χ^2/NDF : 94547773350.2/18

Right Out: 0.151+/-0.000 χ^2/NDF : 12653743155.9/18

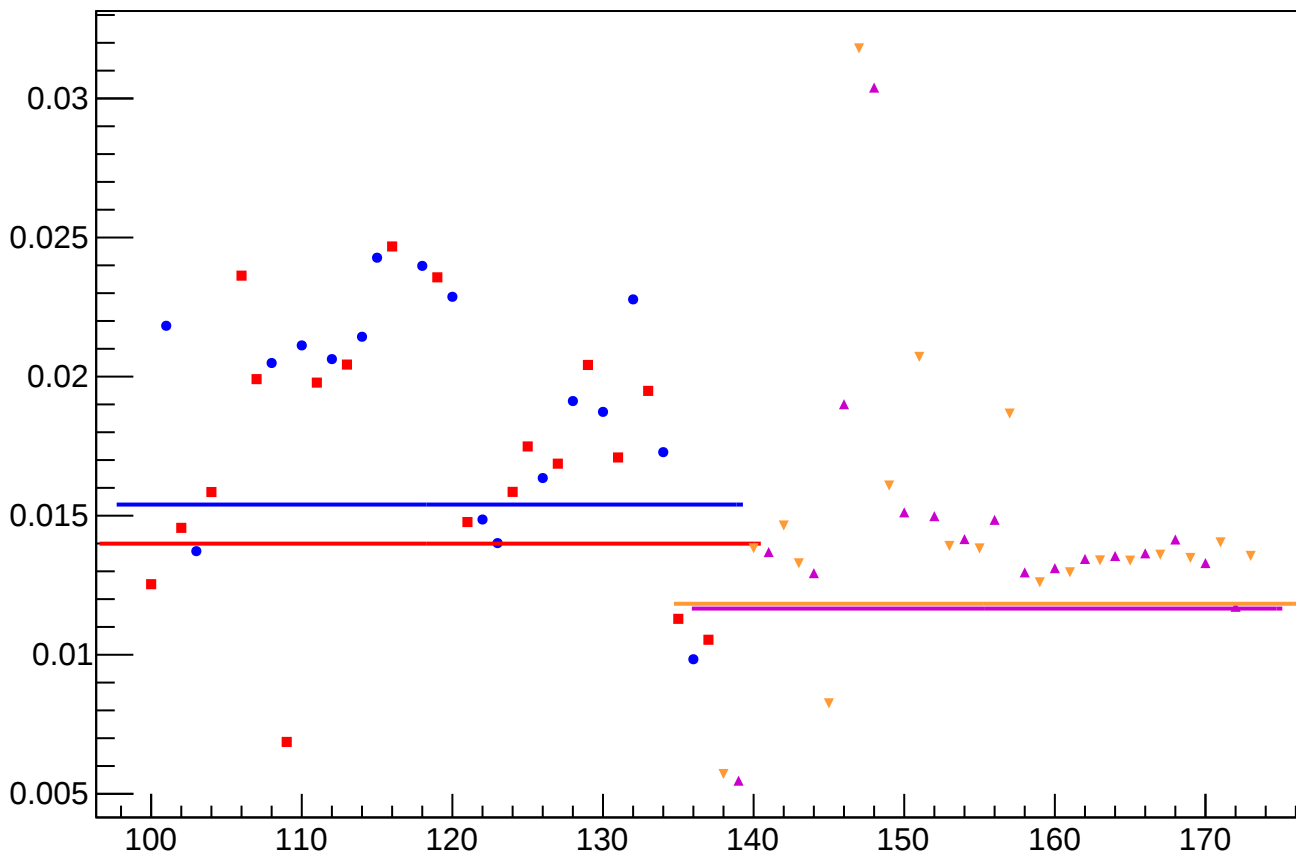
Left In: 0.057+/-0.000 χ^2/NDF : 78662191277.1/16

+ sign 0.053+/-0.000 χ^2/NDF : 100843694915.1/35

All: 0.067+/-0.000 χ^2/NDF : 192389510300.7

- sign 0.081+/-0.000 χ^2/NDF : 91502286923.5/35

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1141655.8/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3041593.5/18

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1561550.9/18

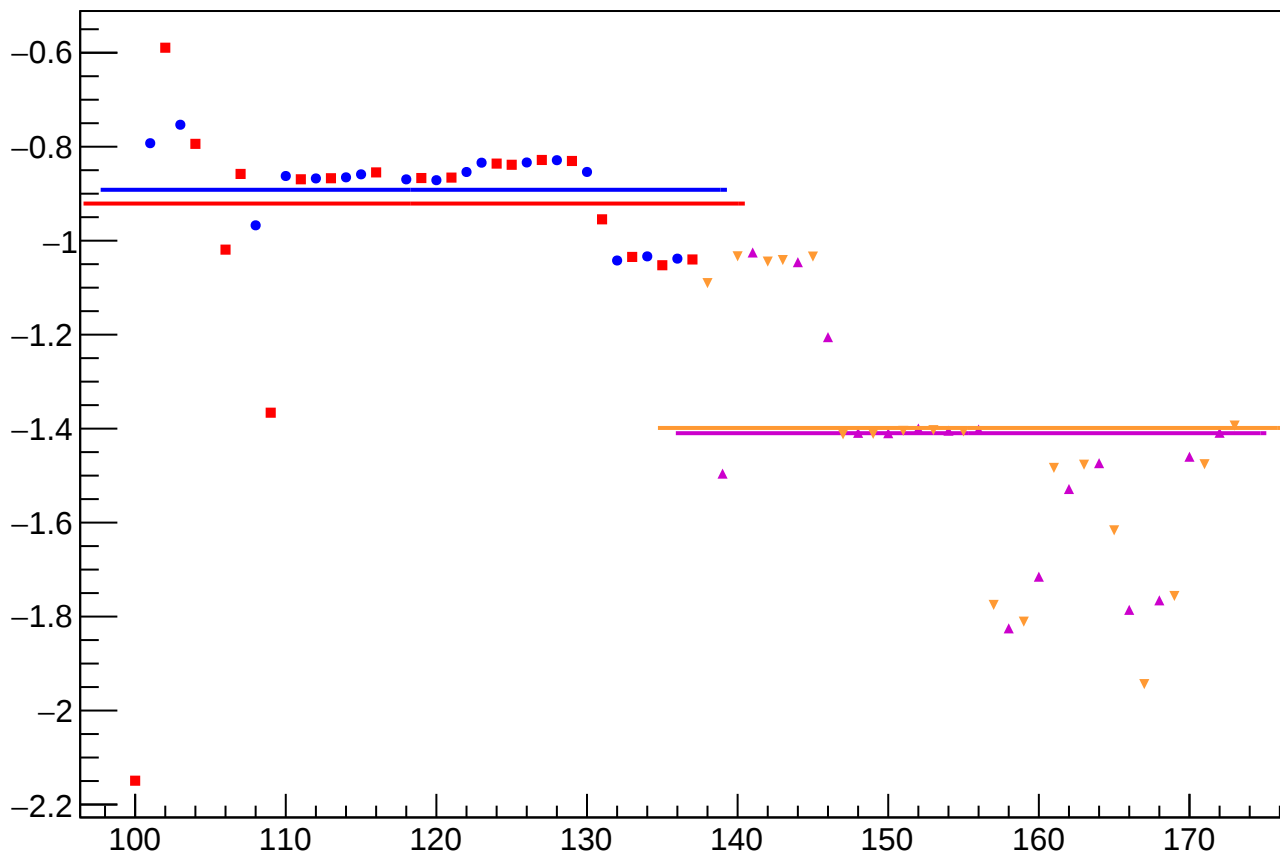
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3033045.2/16

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4653937.2/35

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 9492019.0/71

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4825300.5/35

yield_bpm12X_mean vs Slug



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.399+/-0.000 χ^2/NDF : 714306325.2/18

Right Out: -0.921+/-0.000 χ^2/NDF : 131159330.1/18

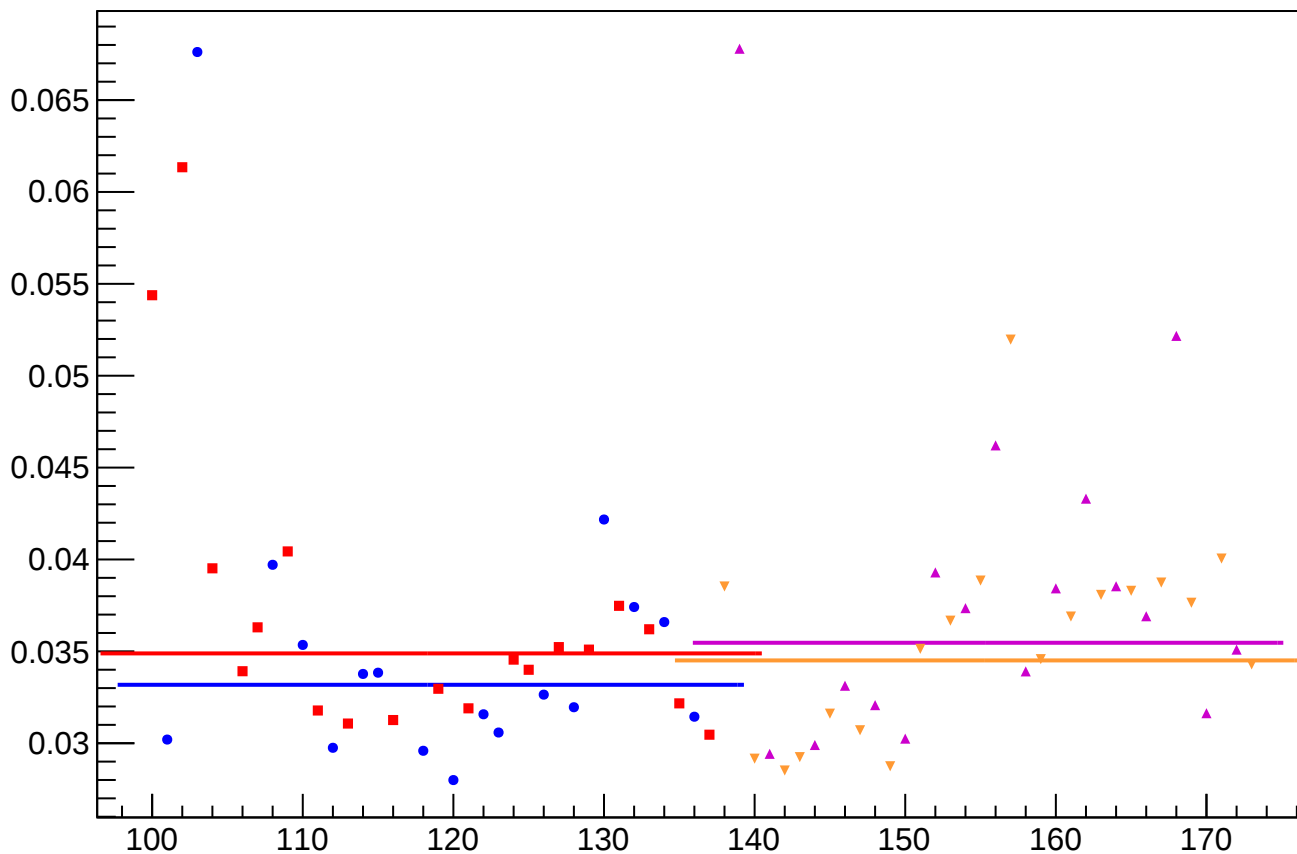
Left In: -1.410+/-0.000 χ^2/NDF : 511150899.8/16

+ sign -1.227+/-0.000 χ^2/NDF : 1651615292.1/35

All: -1.231+/-0.000 χ^2/NDF : 3072948763.3/7

- sign -1.236+/-0.000 χ^2/NDF : 1420695785.0/35

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 400106.0/16

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:451900.3/18

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 275013.9/18

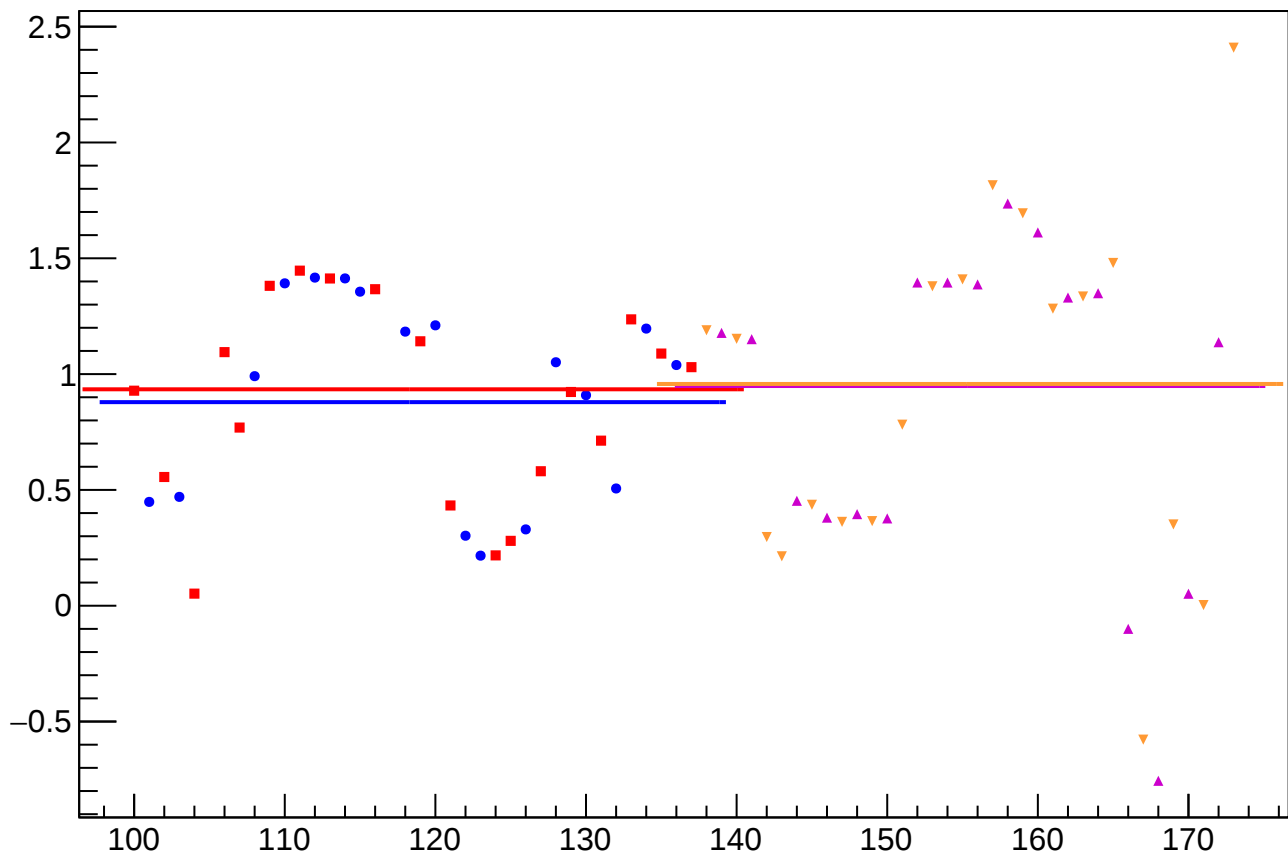
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF:836051.7/16

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 864303.3/35

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 1999129.1/71

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1113249.3/35

yield_bpm12Y_mean vs Slug



Right In: 0.879 ± 0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.957 ± 0.000 χ^2/NDF : 81852952407.8/18

Right Out: 0.934 ± 0.000 χ^2/NDF : 9827120184.9/18

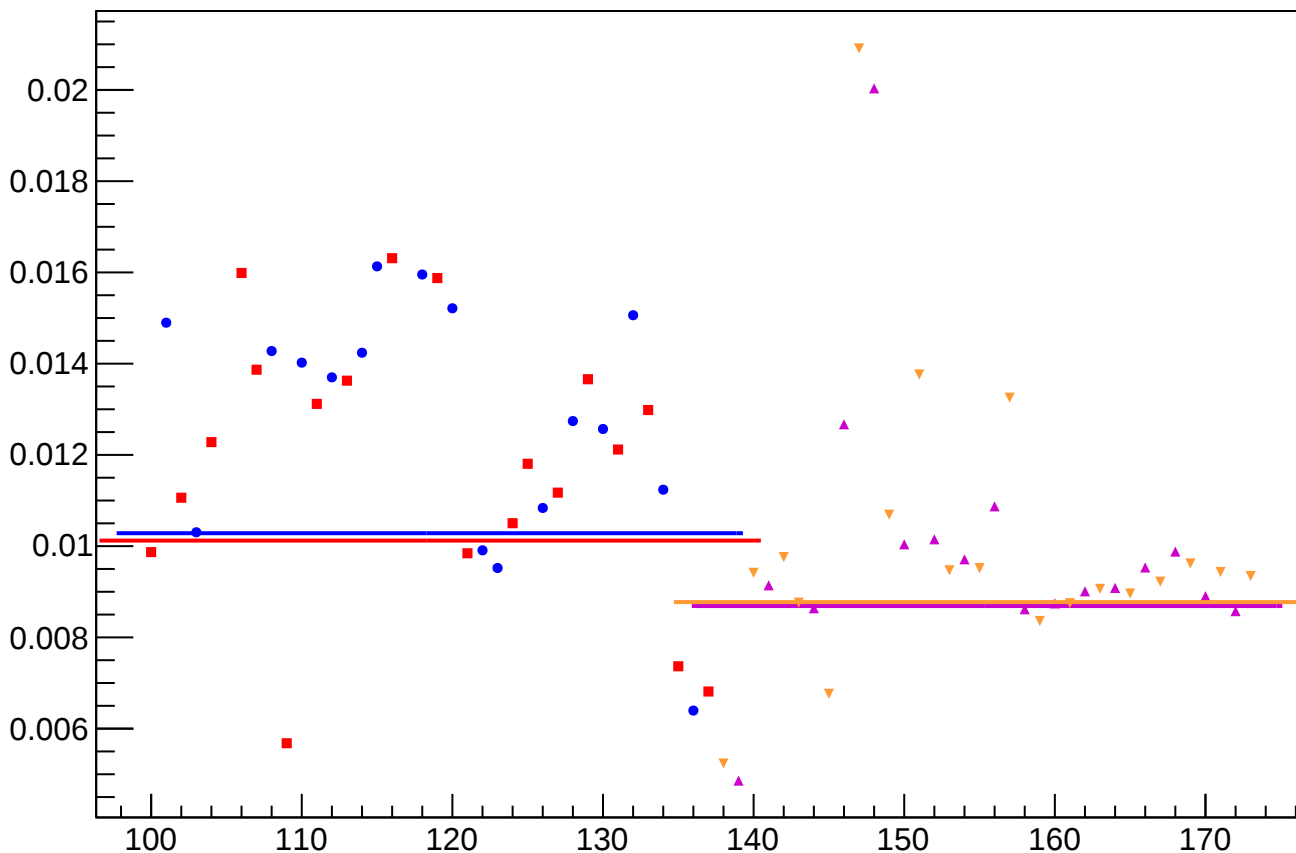
Left In: 0.949 ± 0.000 χ^2/NDF : 65445963101.9/16

+ sign 0.939 ± 0.000 χ^2/NDF : 88469989368.6/35

All: 0.942 ± 0.000 χ^2/NDF : 163755693982.4

- sign 0.945 ± 0.000 χ^2/NDF : 75281482755.0/35

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1694462.6/18

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

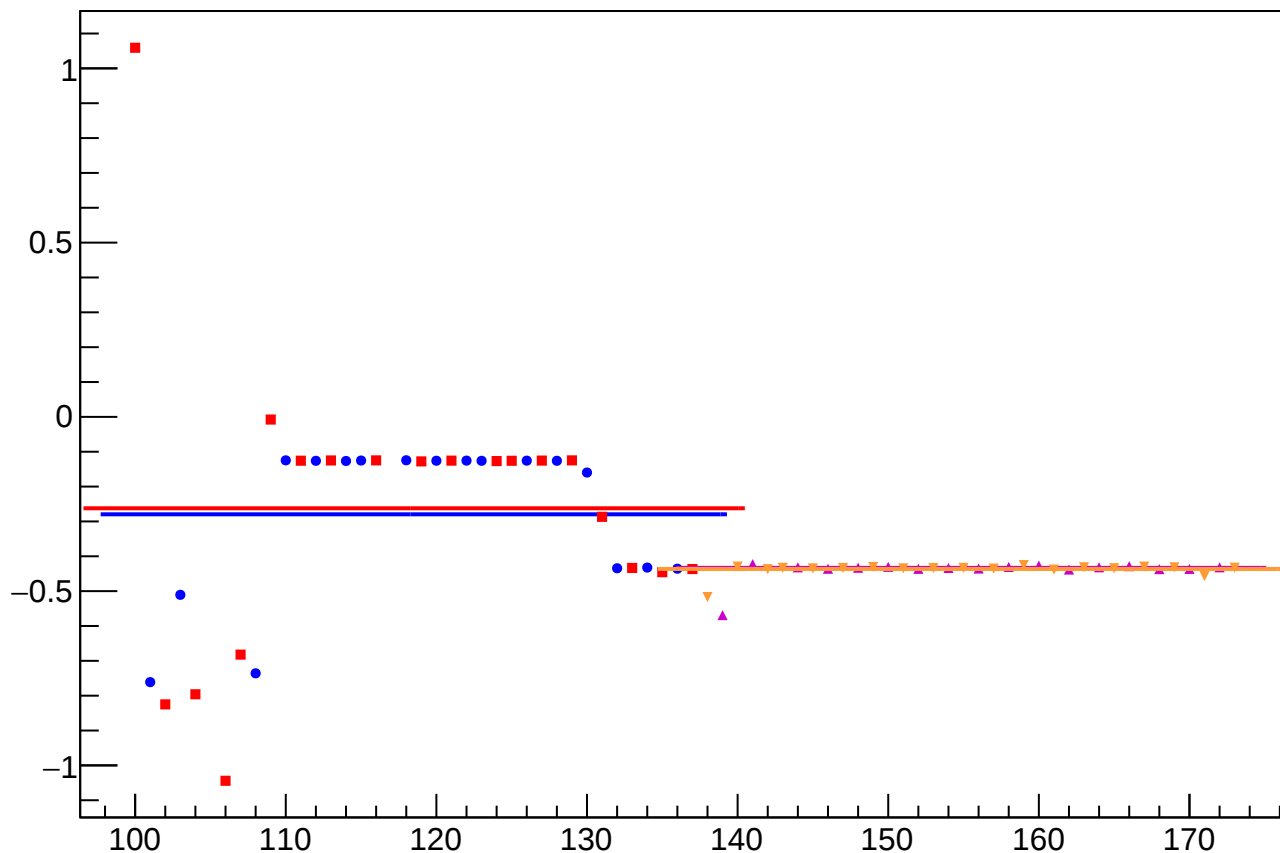
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1654028.7/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3083830.4/35

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6087421.3/71

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3002605.4/35

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 28737566.3/18

Right Out: -0.262 ± 0.000 χ^2/NDF : 1006263824.6/18

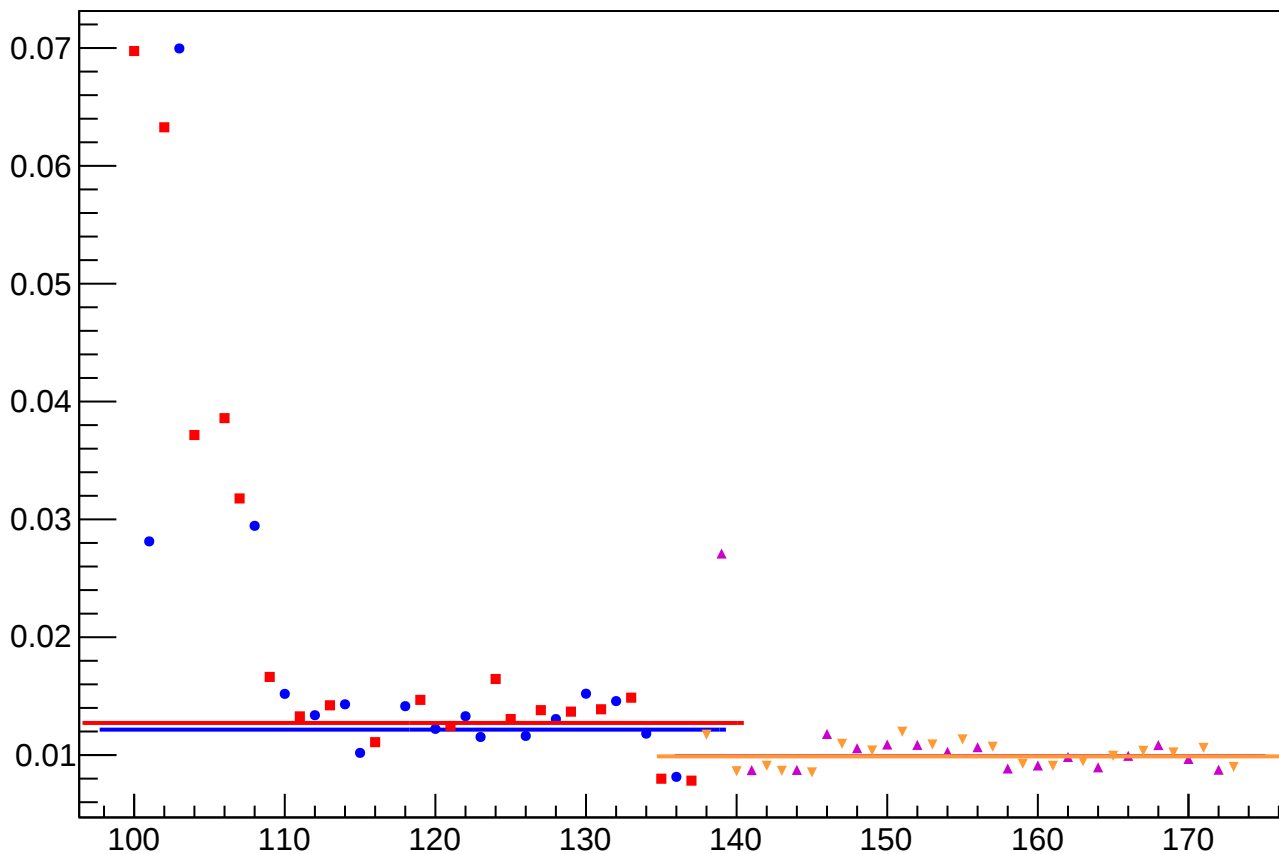
Left In: -0.433 ± 0.000 χ^2/NDF : 19814464.4/16

+ sign -0.404 ± 0.000 χ^2/NDF : 1573098158.5/35

All: -0.401 ± 0.000 χ^2/NDF : 3291125044.4/7

- sign -0.397 ± 0.000 χ^2/NDF : 1714379489.5/35

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:248570.5/18

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

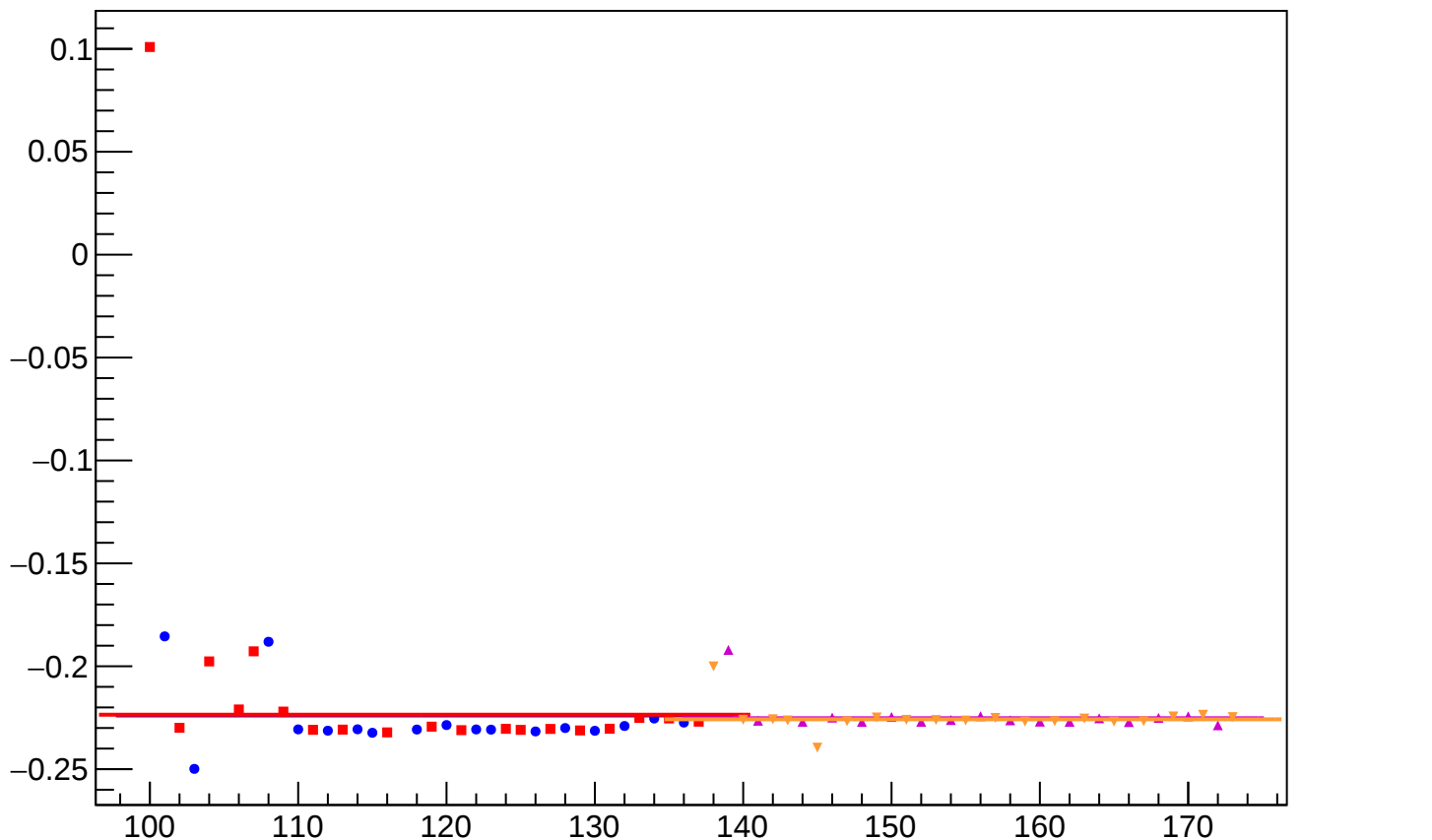
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:763438.1/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2228608.3/35

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5334459.2/71

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3102389.2/35

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20866686.6/18

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

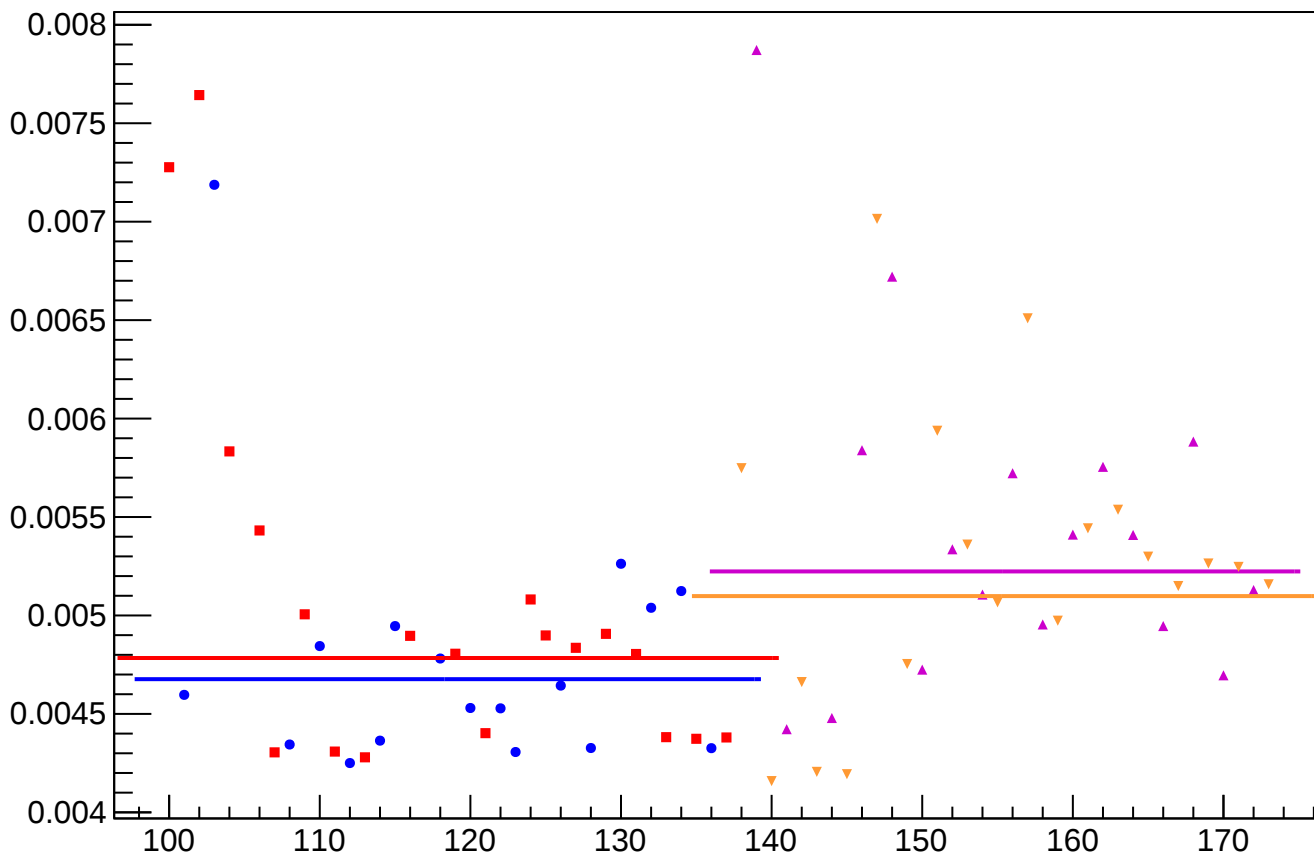
Left In: -0.225+/-0.000 χ^2/NDF : 13173324.1/16

+ sign -0.225+/-0.000 χ^2/NDF : 96103168.8/35

All: -0.225+/-0.000 χ^2/NDF : 278007270.5/71

- sign -0.225+/-0.000 χ^2/NDF : 181807471.9/35

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 452758.4/18

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

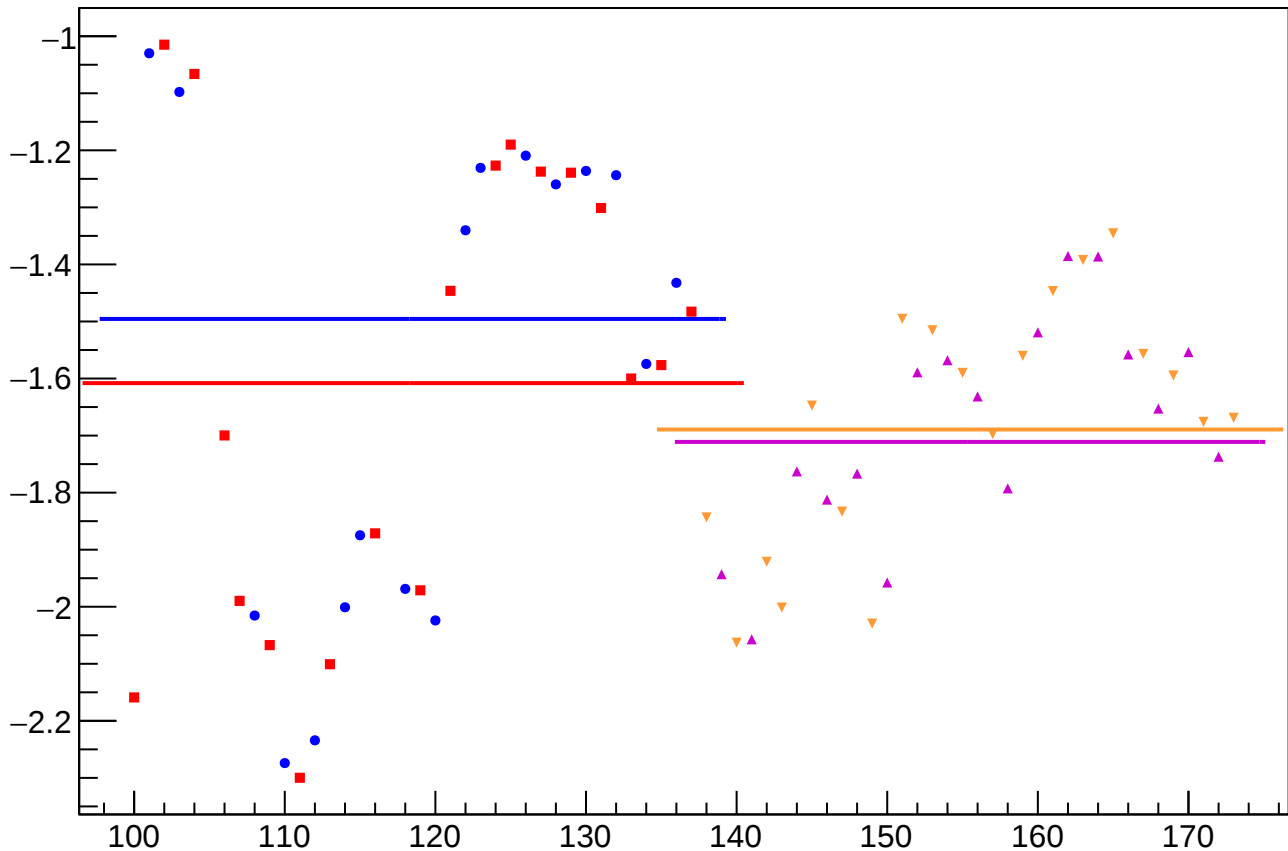
Left In: 0.005+/-0.000 χ^2/NDF : 436530.7/16

+ sign 0.005+/-0.000 χ^2/NDF : 696880.8/35

All: 0.005+/-0.000 χ^2/NDF : 1456824.6/71

- sign 0.005+/-0.000 χ^2/NDF : 751564.6/35

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.689+/-0.000 χ^2/NDF : 15741319427.0/18

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

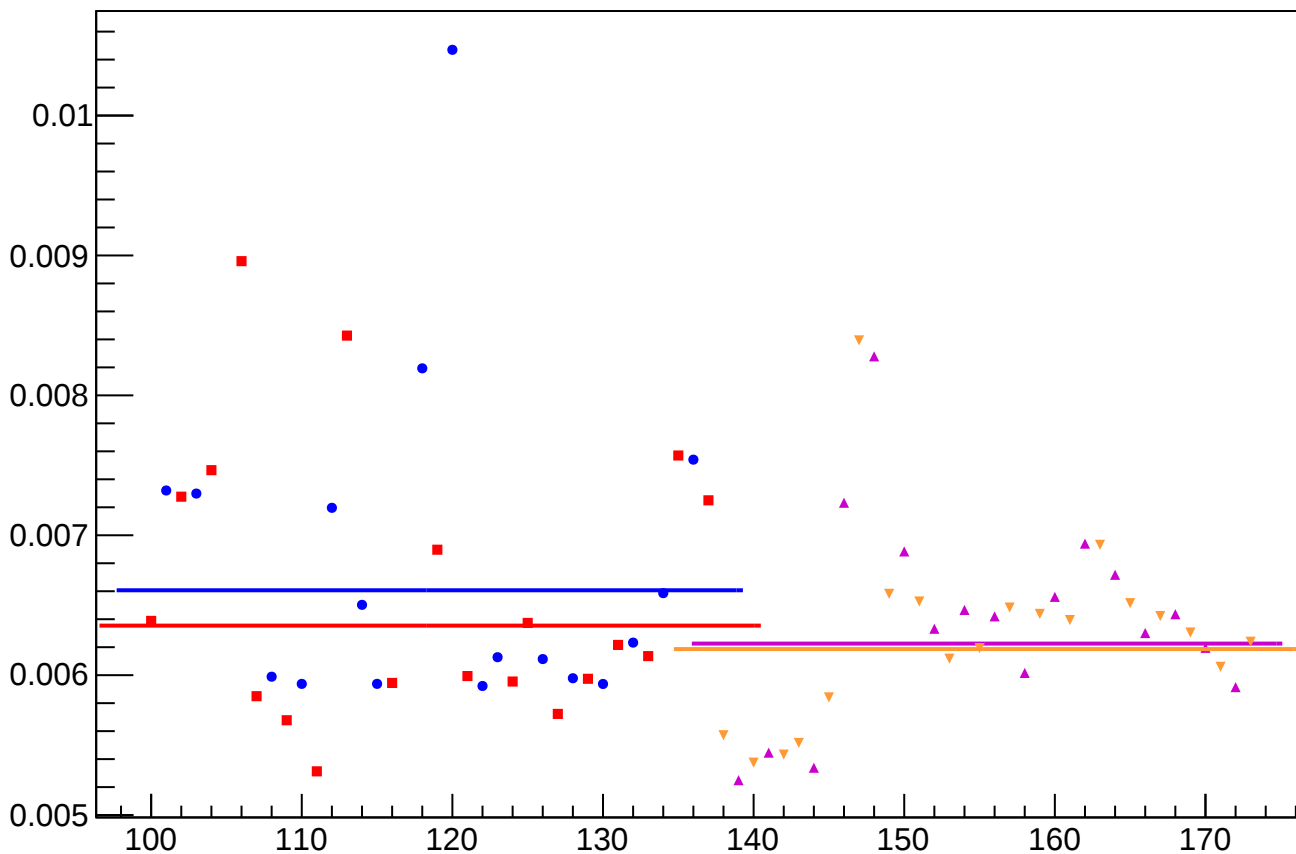
Left In: -1.711+/-0.000 χ^2/NDF : 11430979715.4/16

+ sign -1.634+/-0.000 χ^2/NDF : 41987074440.0/35

All: -1.655+/-0.000 χ^2/NDF : 82845662600.9/35

- sign -1.676+/-0.000 χ^2/NDF : 40431965167.2/35

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF : 229732.7/18

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

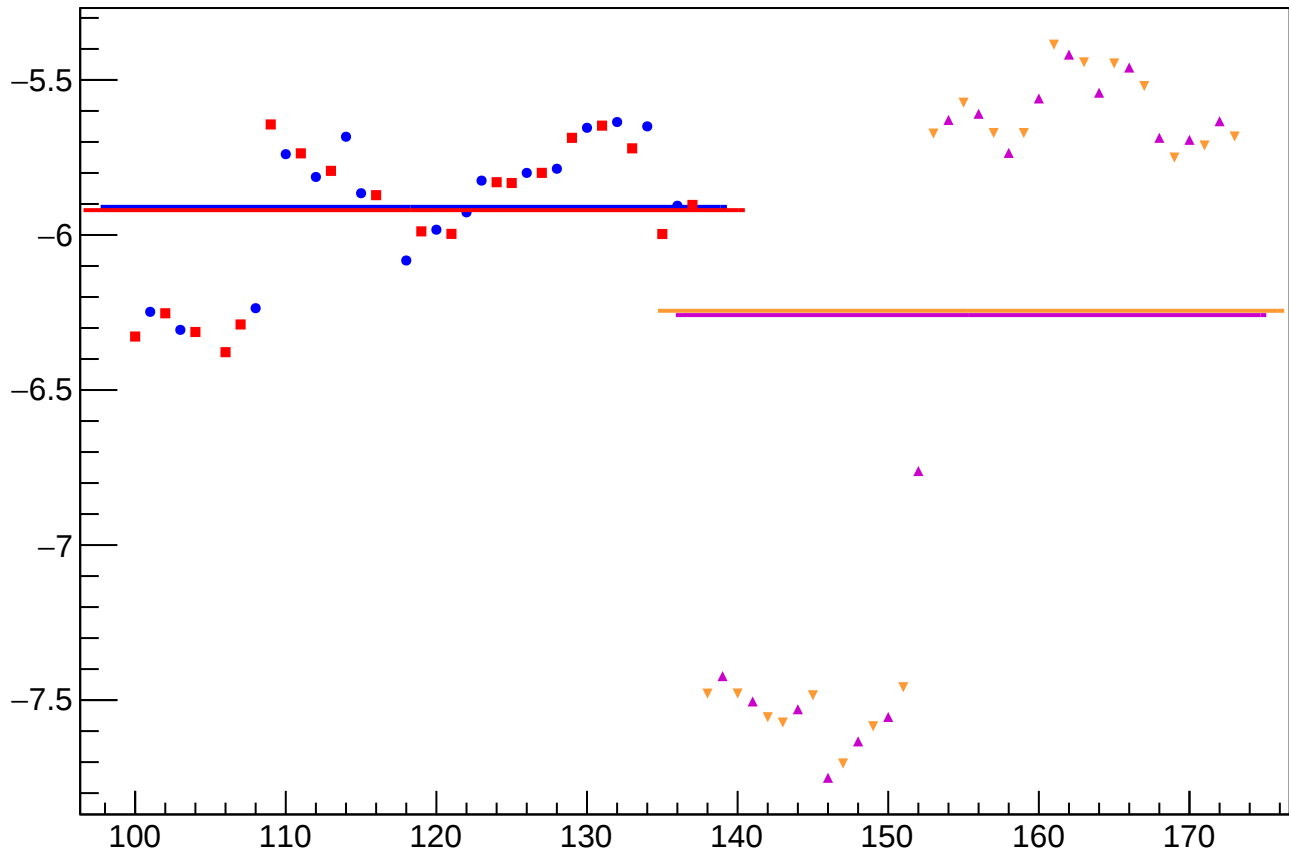
Left In: 0.006+/-0.000 χ^2/NDF : 295331.7/16

+ sign 0.006+/-0.000 χ^2/NDF : 466222.2/35

All: 0.006+/-0.000 χ^2/NDF : 993054.8/71

- sign 0.006+/-0.000 χ^2/NDF : 526186.4/35

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.244+/-0.000 χ^2/NDF : 172272132489.2/18

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

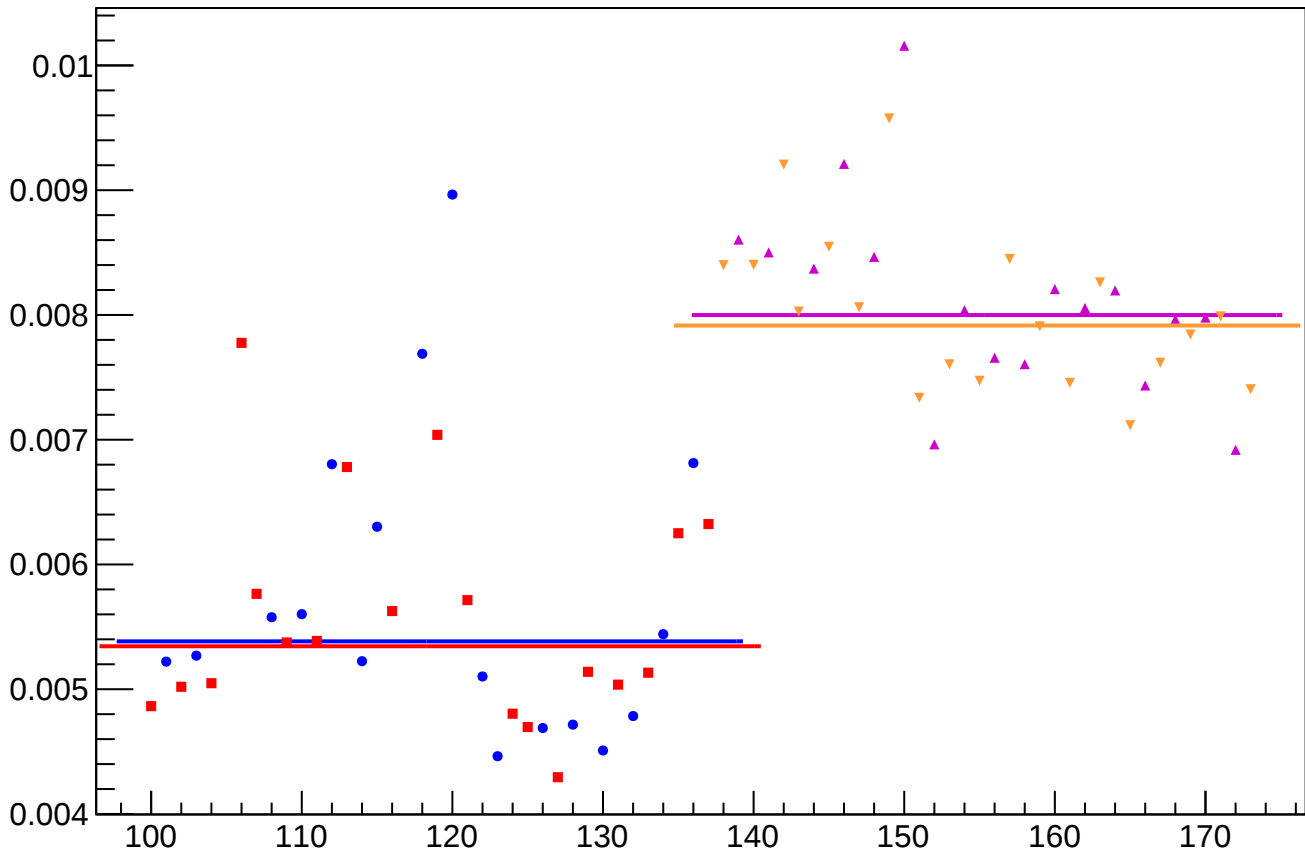
Left In: -6.258+/-0.000 χ^2/NDF : 145772895815.6/16

+ sign -6.077+/-0.000 χ^2/NDF : 194754322225.3/35

All: -6.075+/-0.000 χ^2/NDF : 364934761461.1

- sign -6.074+/-0.000 χ^2/NDF : 170178732026.0/35

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :123594.3/18

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

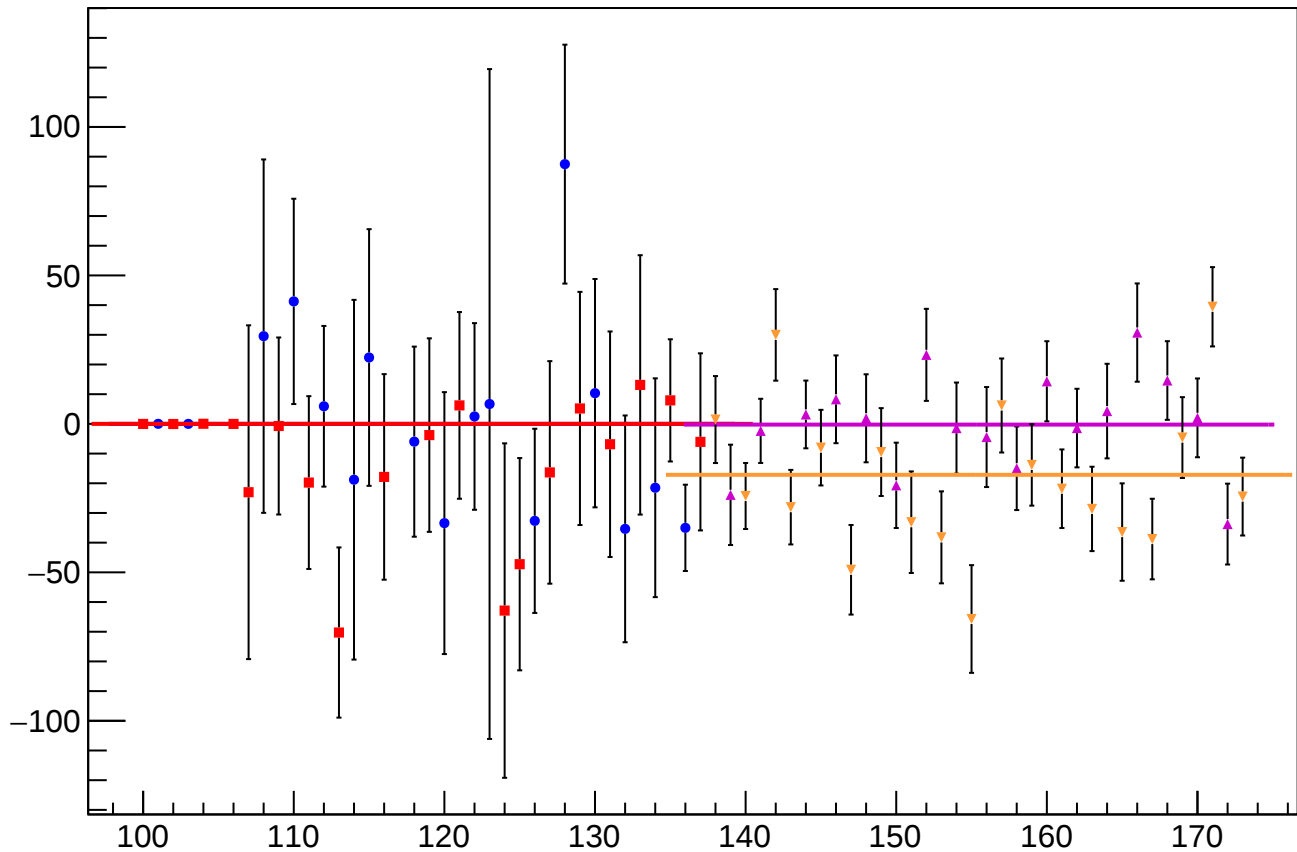
Left In: 0.008+/-0.000 χ^2/NDF :188699.3/16

+ sign 0.007+/-0.000 χ^2/NDF : 1766939.4/35

All: 0.007+/-0.000 χ^2/NDF : 3634028.2/71

- sign 0.007+/-0.000 χ^2/NDF : 1863267.8/35

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -17.156 ± 3.245 χ^2/NDF : 53.4/18

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.3/18

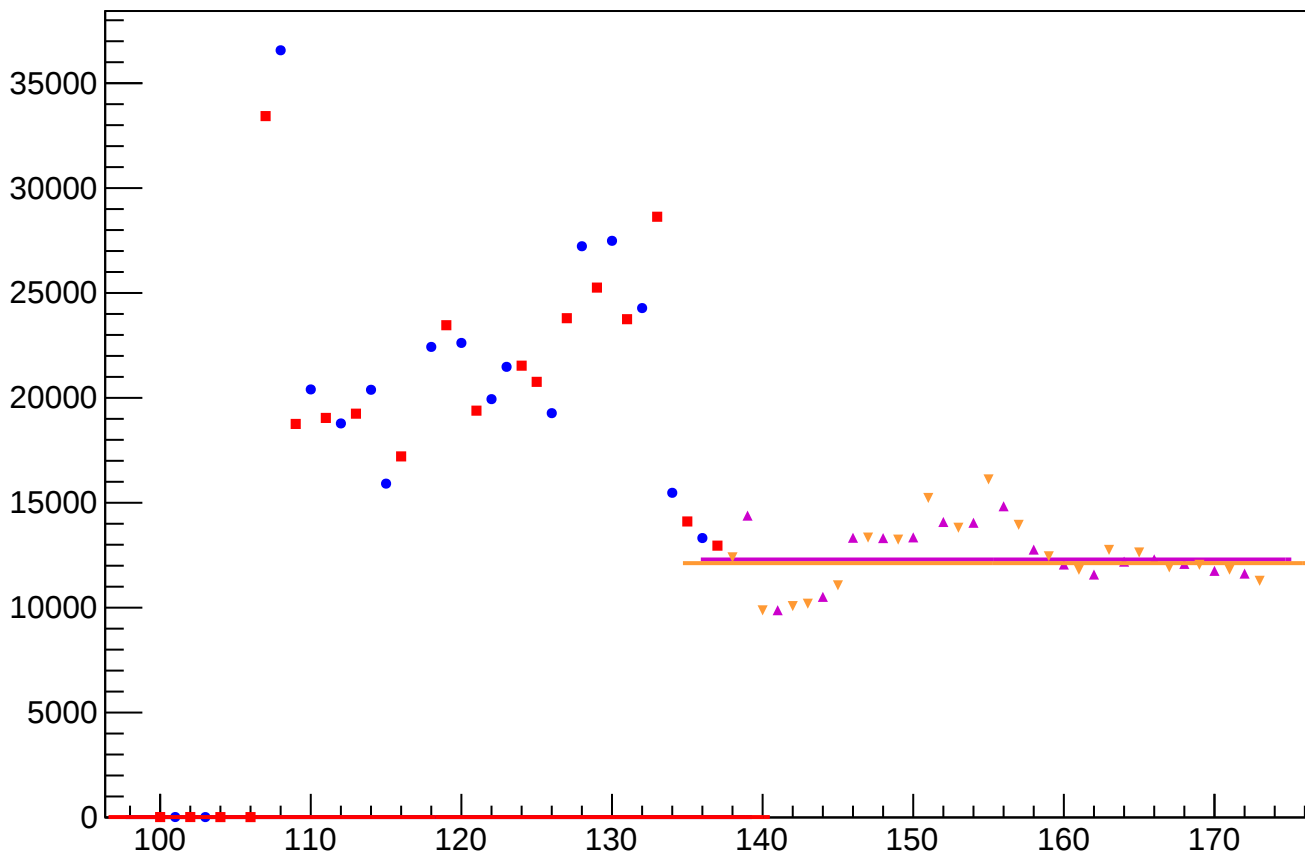
Left In: -0.242 ± 3.405 χ^2/NDF : 20.0/16

+ sign 0.013 ± 0.017 χ^2/NDF : 97.1/35

All: 0.008 ± 0.012 χ^2/NDF : 132.6/71

- sign 0.003 ± 0.016 χ^2/NDF : 35.3/35

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12121.848+/-2.294 χ^2/NDF : 434834.4/18

Right Out: 18.311+/-0.011 χ^2/NDF : 11103320.8/18

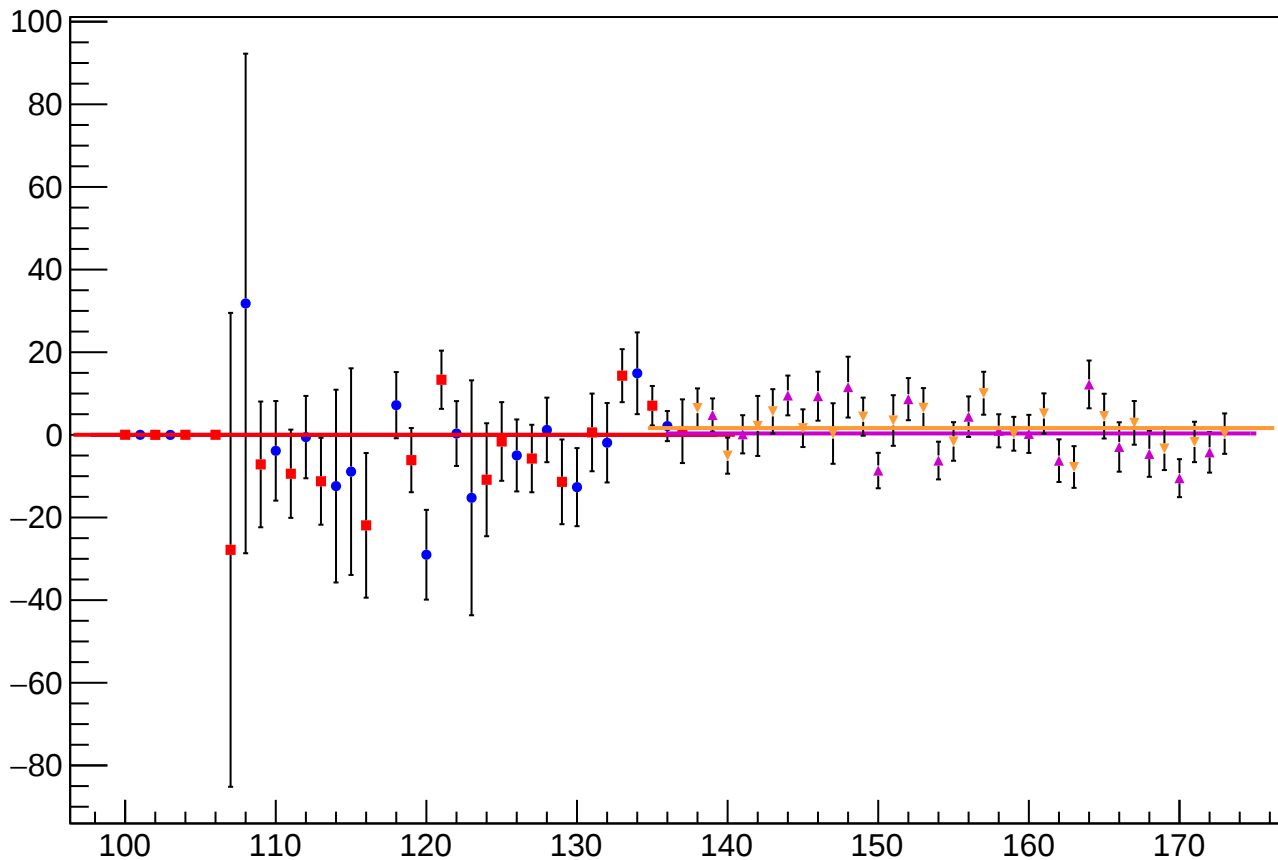
Left In: 12295.973+/-2.408 χ^2/NDF : 325093.7/16

+ sign 18.986+/-0.012 χ^2/NDF : 39106810.3/35

All: 18.770+/-0.008 χ^2/NDF : 76541964.9/71

- sign 18.585+/-0.011 χ^2/NDF : 37434578.1/35

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 1.651 $\pm$ 1.156 χ^2 /NDF:14.5/18

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

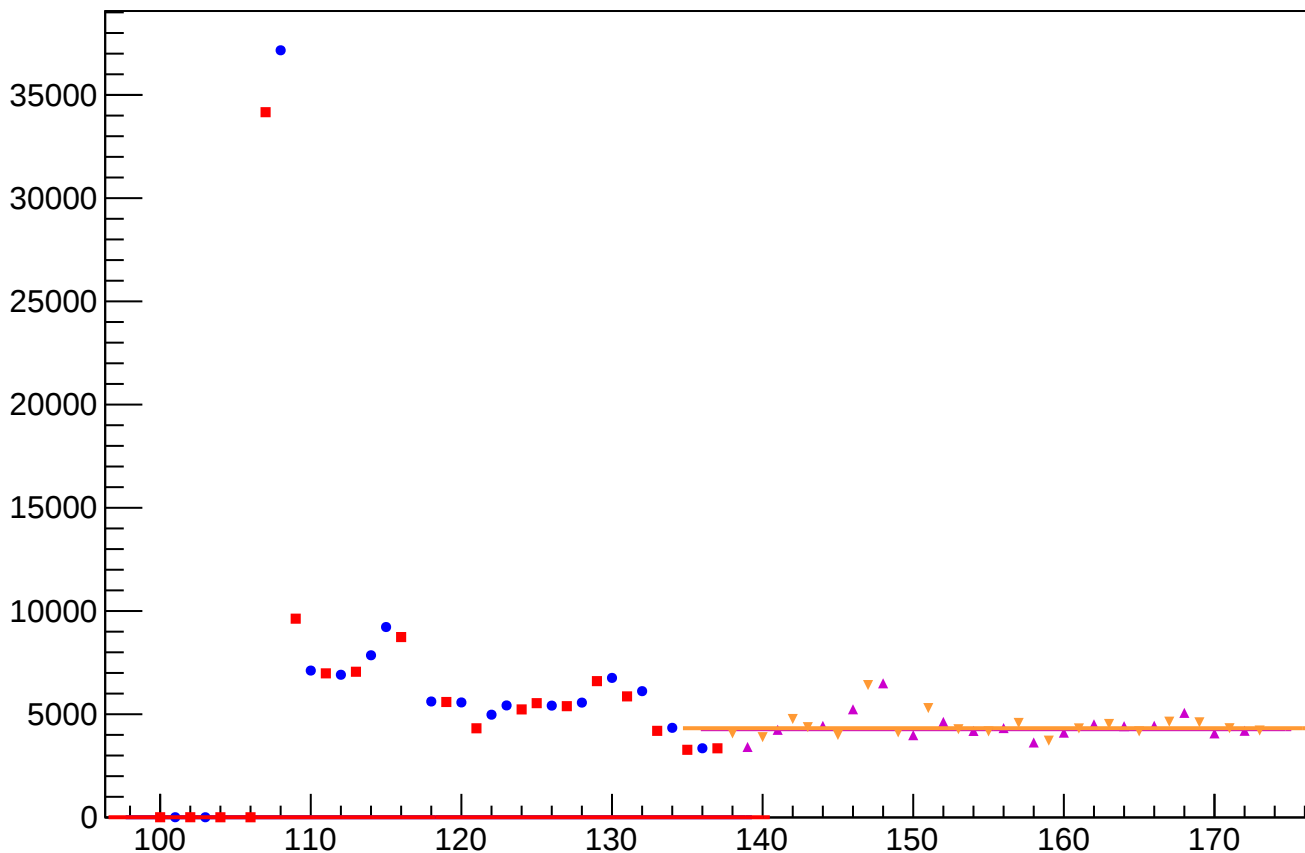
Left In: 0.344 $\pm$ 1.189 χ^2 /NDF:32.7/16

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 31.4/35

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 83.7/71

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 51.1/35

diff_cav4bY_rms vs Slug



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10973577.1/16

Left Out: 4322.425 $\pm$ 0.817 χ^2 /NDF: 330476.9/18

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11152667.7/18

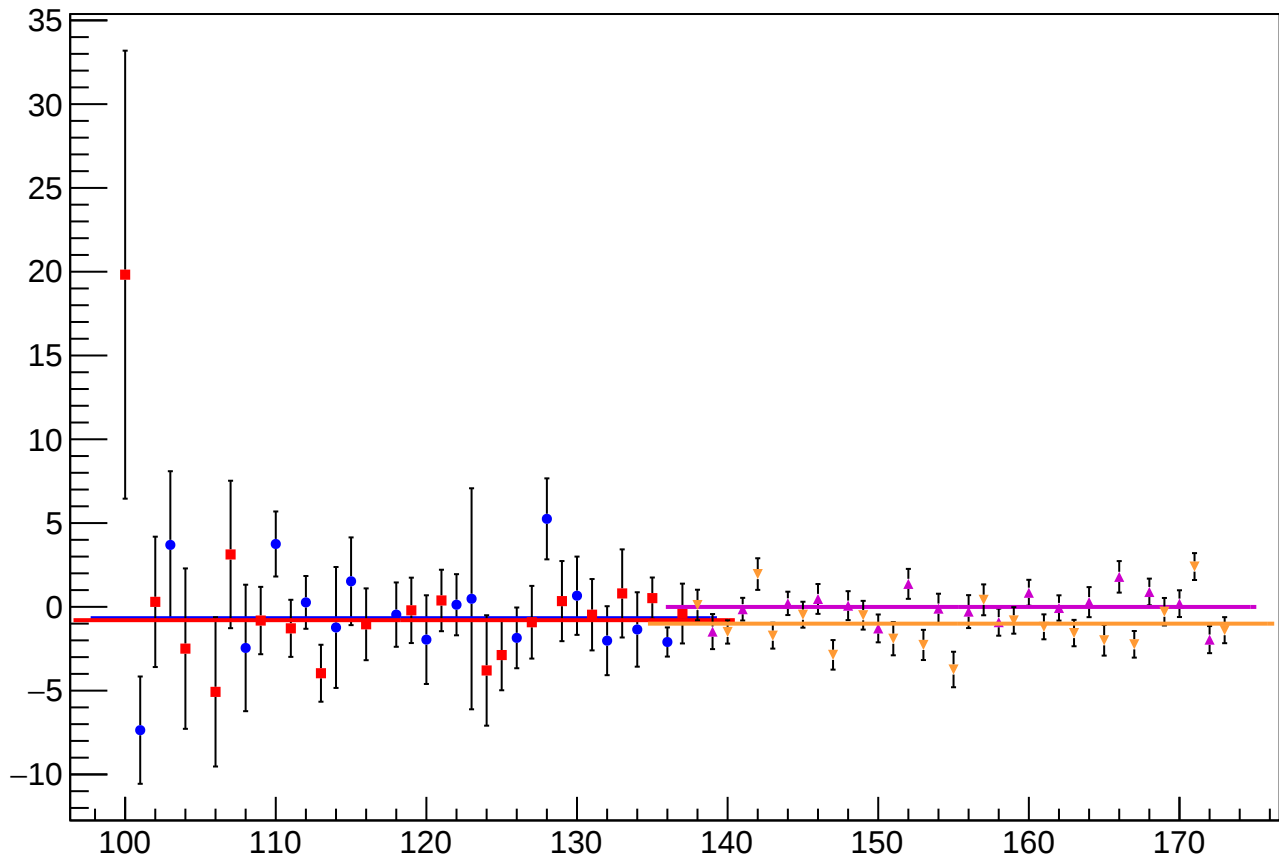
Left In: 4275.594 $\pm$ 0.841 χ^2 /NDF: 454778.1/16

+ sign 10.211 $\pm$ 0.007 χ^2 /NDF: 39141244.7/35

All: 10.142 $\pm$ 0.004 χ^2 /NDF: 76482160.2/71

- sign 10.080 $\pm$ 0.006 χ^2 /NDF: 37340699.3/35

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.003 ± 0.192 χ^2/NDF : 53.1/18

Right Out: -0.795 ± 0.501 χ^2/NDF : 12.0/18

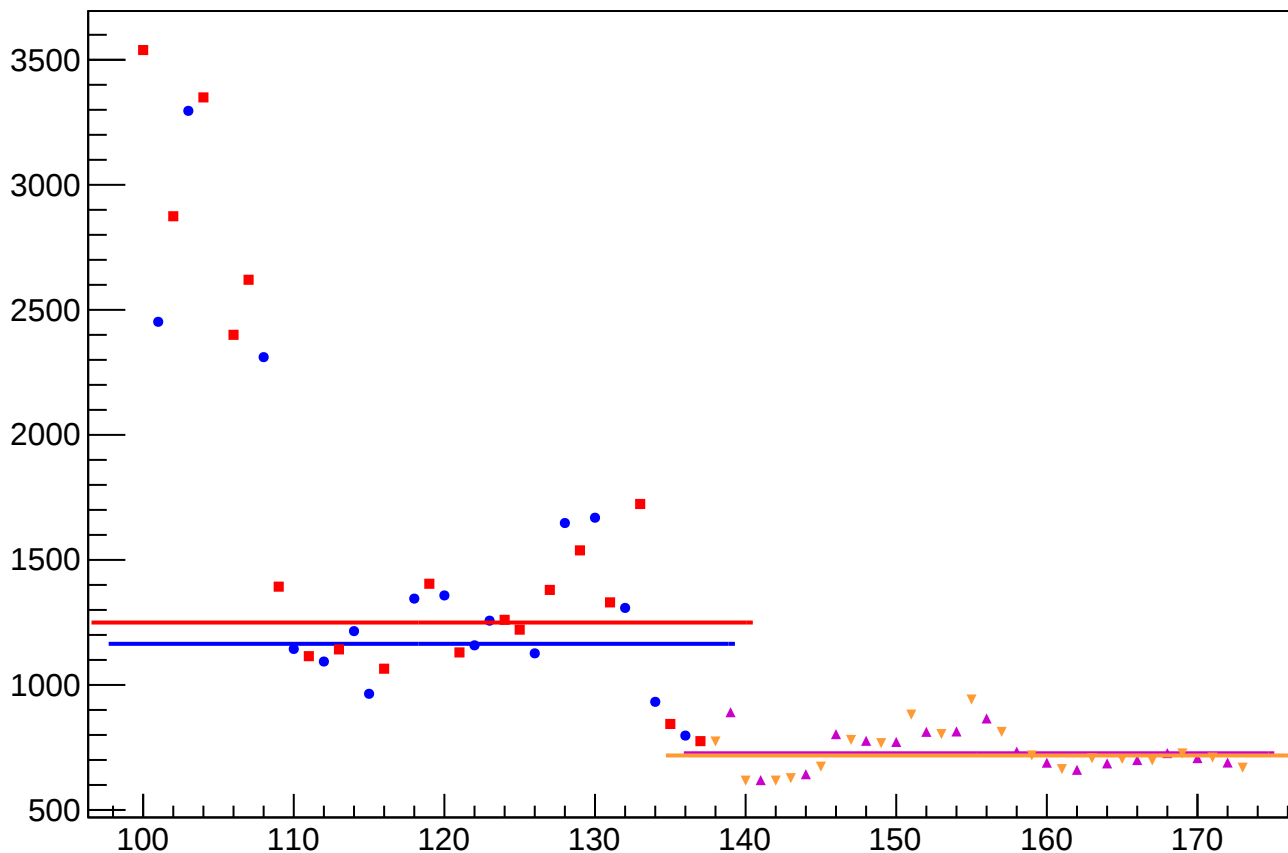
Left In: -0.005 ± 0.201 χ^2/NDF : 20.6/16

+ sign -0.959 ± 0.178 χ^2/NDF : 75.8/35

All: -0.556 ± 0.129 χ^2/NDF : 121.2/71

- sign -0.114 ± 0.187 χ^2/NDF : 34.7/35

diff_cav4cX_rms vs Slug



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 717.969+/-0.136 χ^2/NDF : 326951.8/18

Right Out: 1249.596+/-0.354 χ^2/NDF : 1650133.1/18

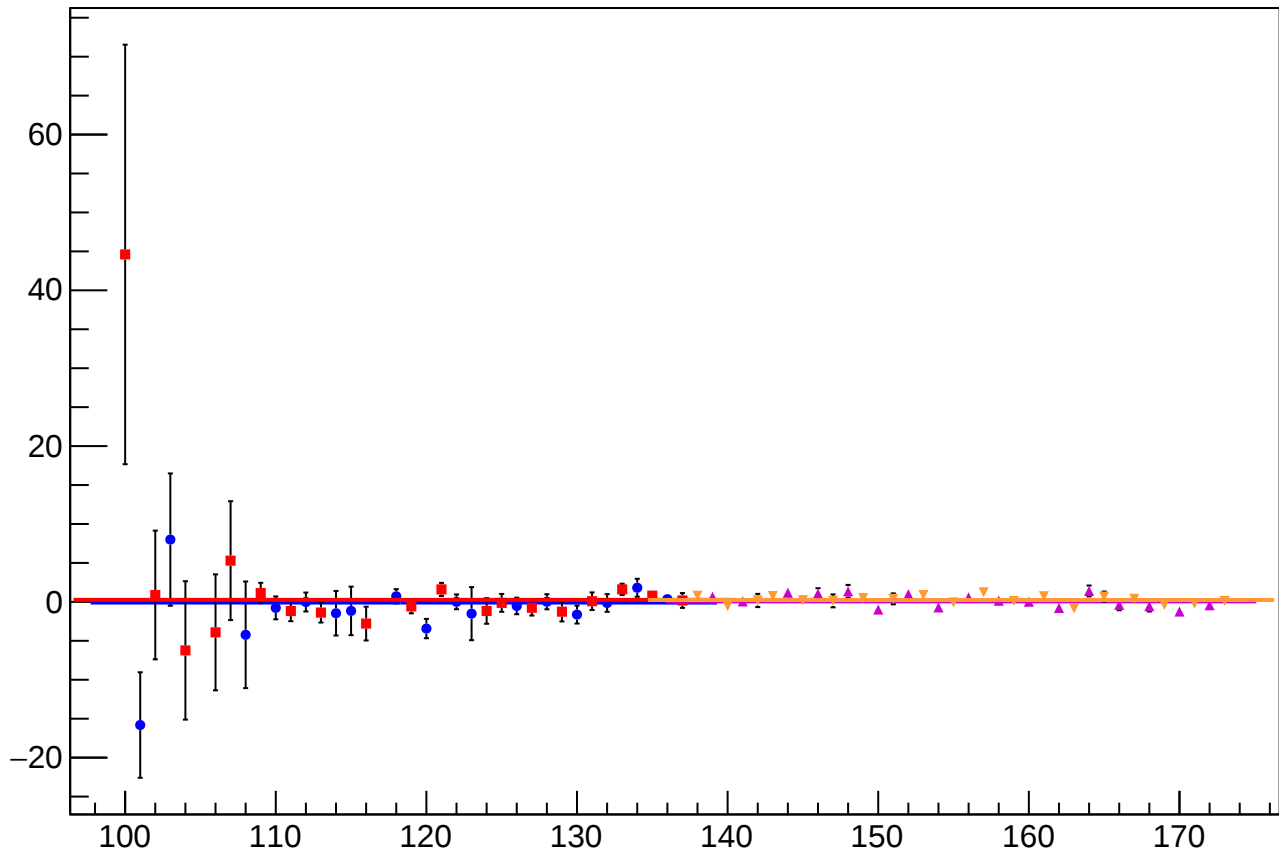
Left In: 726.717+/-0.142 χ^2/NDF : 264893.9/16

+ sign 778.501+/-0.126 χ^2/NDF : 3381594.4/35

All: 788.336+/-0.091 χ^2/NDF : 7184104.9/71

- sign 799.103+/-0.132 χ^2/NDF : 3789758.0/35

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.241 ± 0.139 χ^2/NDF : 14.1/18

Right Out: 0.259 ± 0.264 χ^2/NDF : 20.4/18

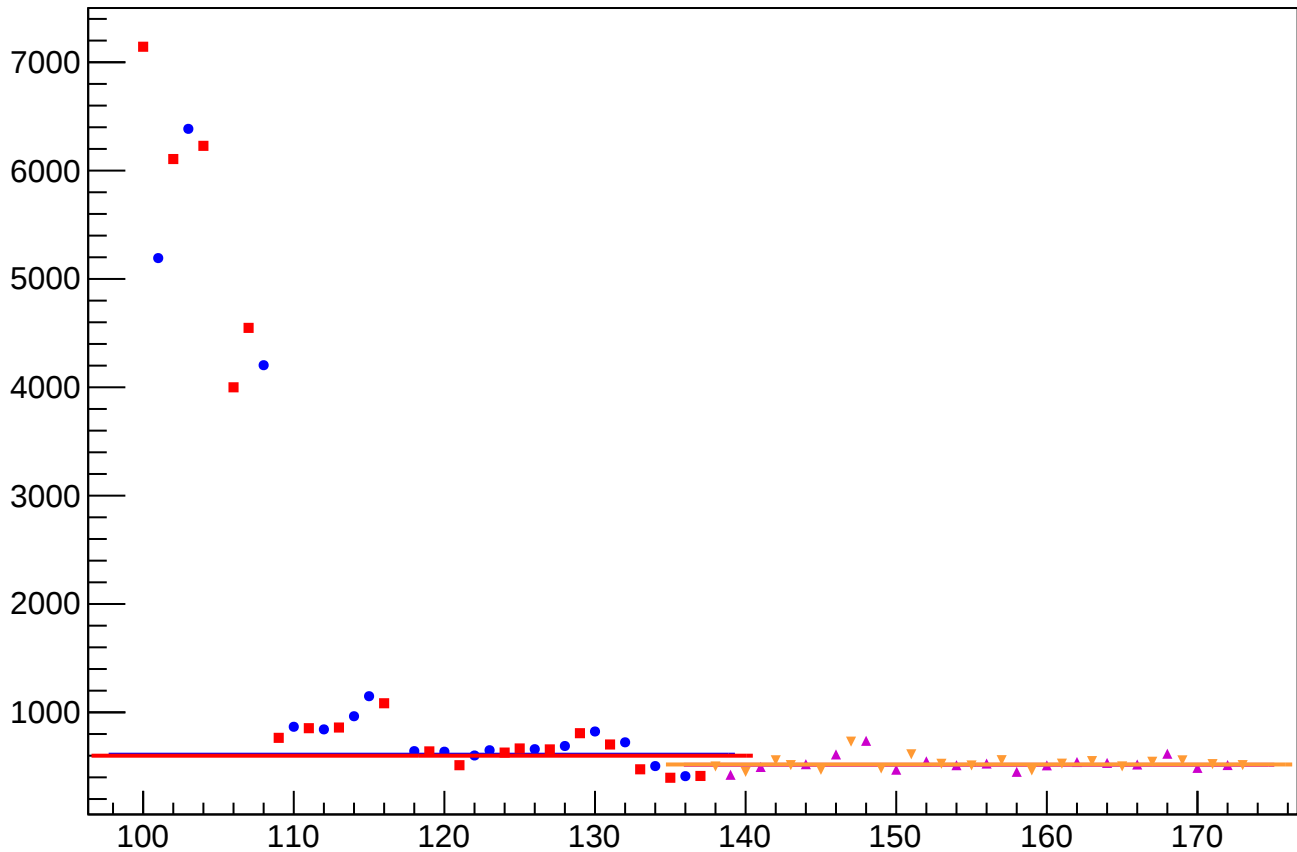
Left In: 0.064 ± 0.143 χ^2/NDF : 32.2/16

+ sign 0.173 ± 0.123 χ^2/NDF : 36.3/35

All: 0.141 ± 0.088 χ^2/NDF : 89.5/71

- sign 0.108 ± 0.126 χ^2/NDF : 53.0/35

diff_cav4cY_rms vs Slug



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 518.927 $\pm$ 0.098 χ^2 /NDF:282406.0/18

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

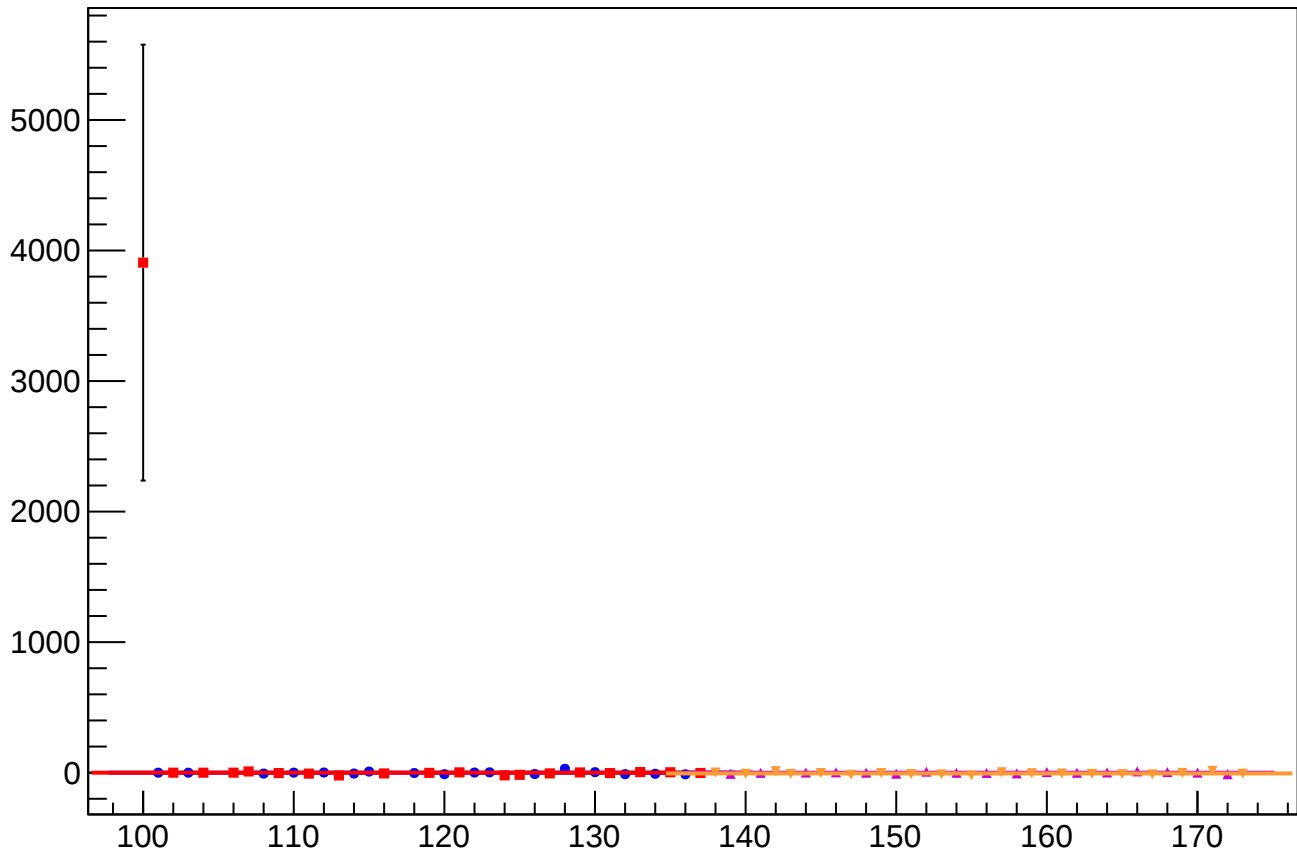
Left In: 515.752 $\pm$ 0.101 χ^2 /NDF:362406.1/16

+ sign 537.697 $\pm$ 0.087 χ^2 /NDF: 3597707.3/35

All: 536.295 $\pm$ 0.062 χ^2 /NDF: 7664997.6/71

- sign 534.835 $\pm$ 0.089 χ^2 /NDF: 4066762.8/35

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -5.785 ± 1.115 χ^2/NDF : 52.9/18

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.3/18

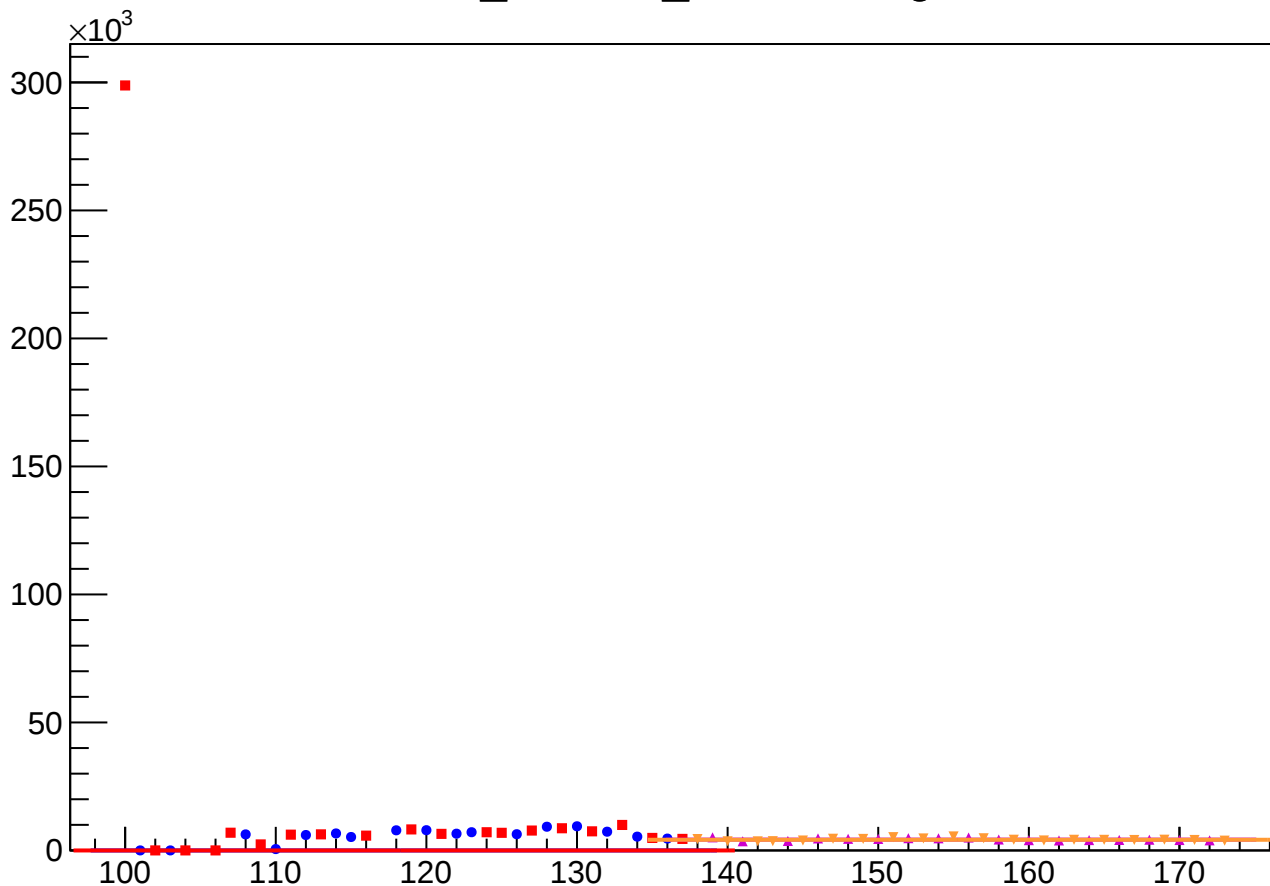
Left In: -0.072 ± 1.171 χ^2/NDF : 20.7/16

+ sign -0.024 ± 0.021 χ^2/NDF : 94.8/35

All: -0.025 ± 0.014 χ^2/NDF : 132.8/71

- sign -0.027 ± 0.020 χ^2/NDF : 38.0/35

diff_cav4dX_rms vs Slug



Right In: 17.337+/-0.015 χ^2/NDF : 10359409.4/16

Left Out: 4174.039+/-0.789 χ^2/NDF : 349837.2/18

Right Out: 17.268+/-0.014 χ^2/NDF : 10813350.8/18

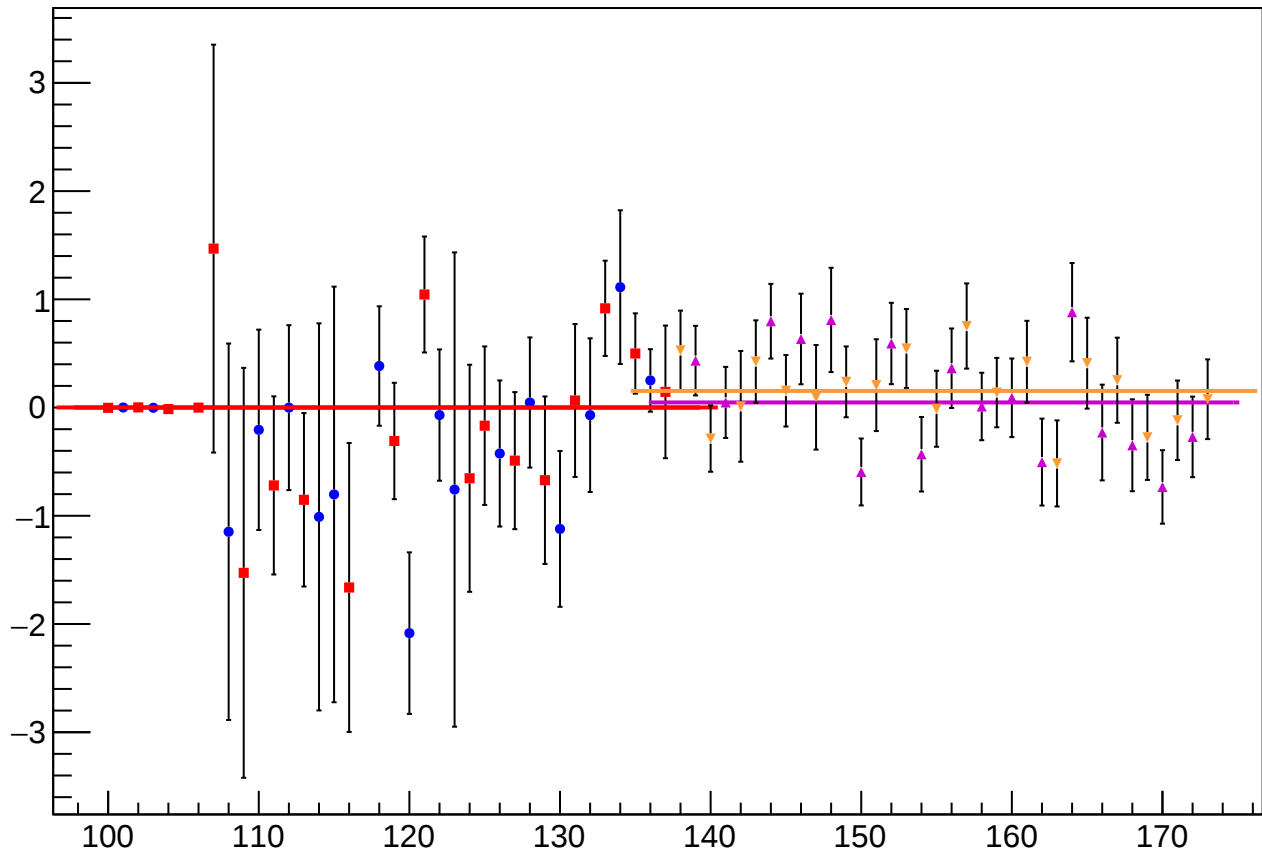
Left In: 4232.923+/-0.828 χ^2/NDF : 273011.9/16

+ sign 18.782+/-0.015 χ^2/NDF : 38487228.5/35

All: 18.619+/-0.010 χ^2/NDF : 75503750.5/71

- sign 18.471+/-0.014 χ^2/NDF : 37016287.5/35

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.154 ± 0.086 χ^2/NDF : 13.0/18

Right Out: 0.001 ± 0.002 χ^2/NDF : 17.8/18

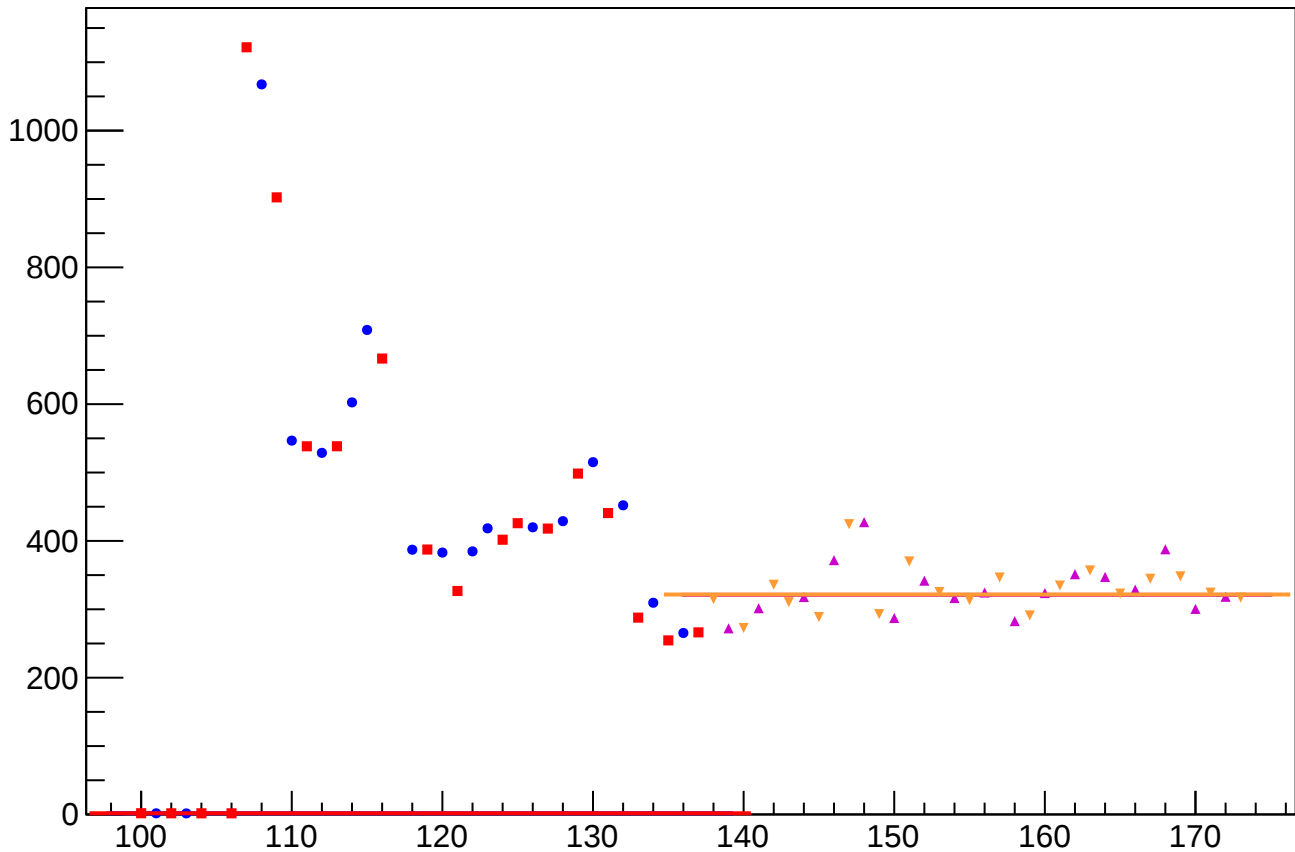
Left In: 0.047 ± 0.089 χ^2/NDF : 32.3/16

+ sign 0.000 ± 0.002 χ^2/NDF : 31.9/35

All: 0.001 ± 0.001 χ^2/NDF : 82.3/71

- sign 0.001 ± 0.002 χ^2/NDF : 50.4/35

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 321.620 $\pm$ 0.061 χ^2 /NDF: 268441.1/18

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

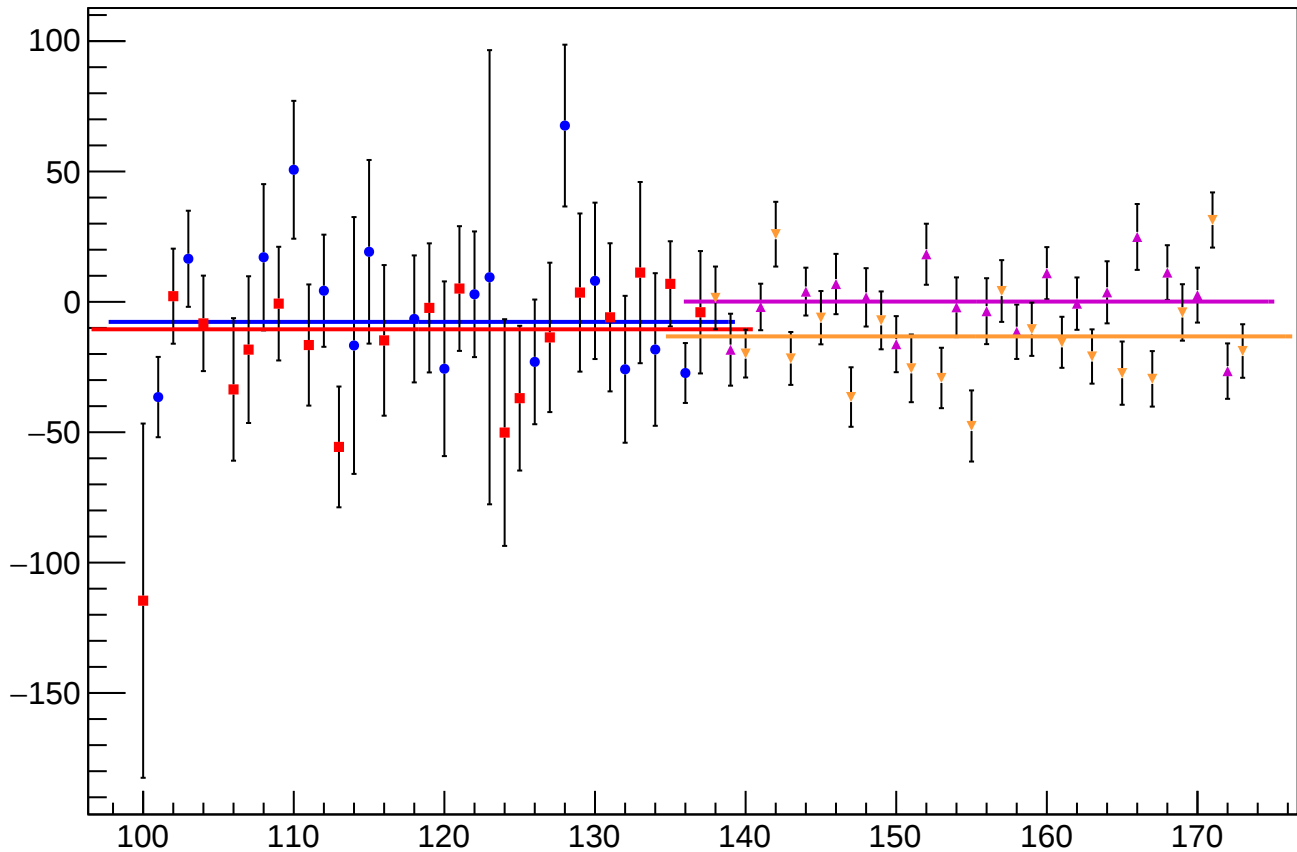
Left In: 321.083 $\pm$ 0.063 χ^2 /NDF: 316706.8/16

+ sign 1.876 $\pm$ 0.001 χ^2 /NDF: 38924760.3/35

All: 1.878 $\pm$ 0.001 χ^2 /NDF: 75708767.5/71

- sign 1.880 $\pm$ 0.001 χ^2 /NDF: 36784004.2/35

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -13.247 ± 2.515 χ^2/NDF : 52.1/18

Right Out: -10.524 ± 5.682 χ^2/NDF : 11.9/18

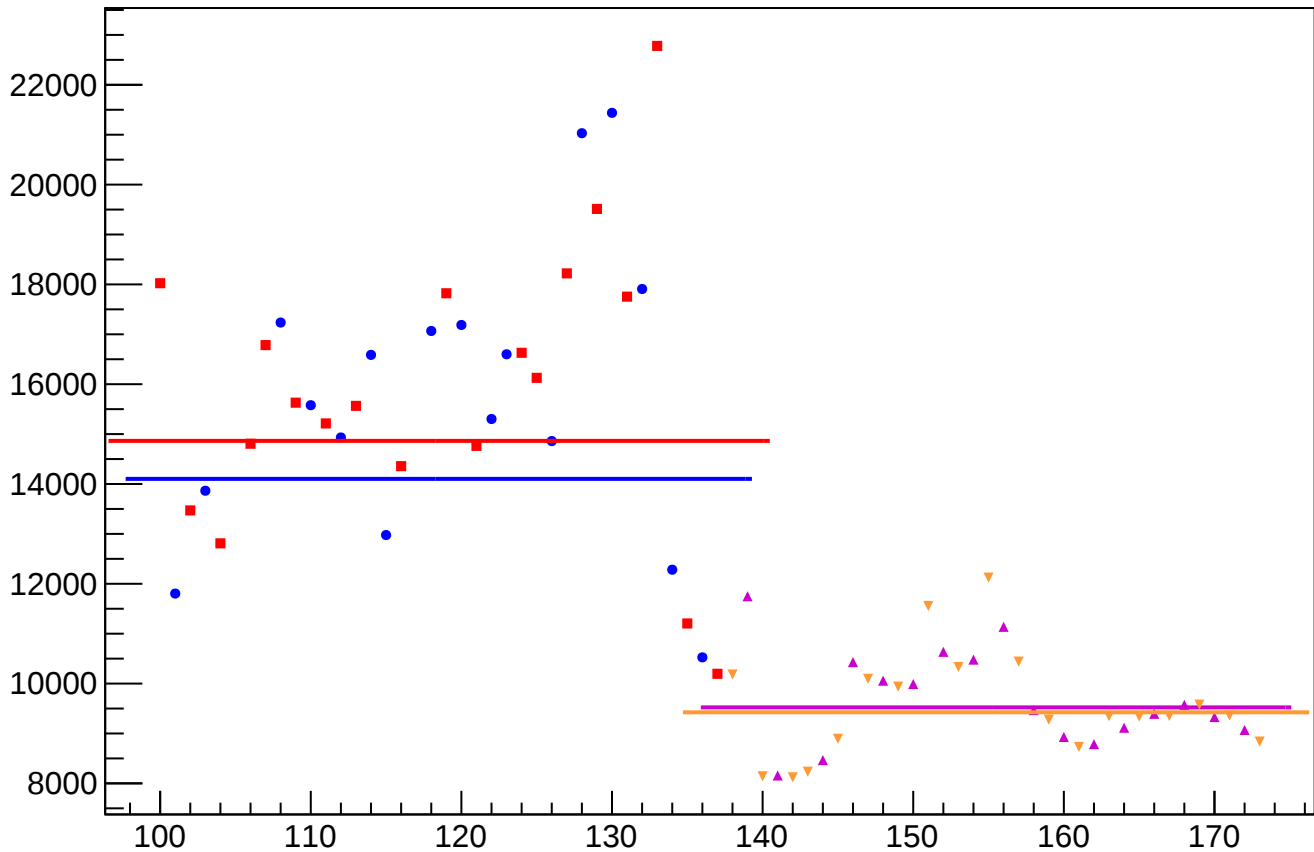
Left In: 0.108 ± 2.632 χ^2/NDF : 21.0/16

+ sign -12.320 ± 2.296 χ^2/NDF : 75.3/35

All: -7.252 ± 1.655 χ^2/NDF : 121.2/71

- sign -1.770 ± 2.388 χ^2/NDF : 35.8/35

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9423.992+/-1.778 χ^2/NDF : 290294.2/18

Right Out: 14864.163+/-4.018 χ^2/NDF : 470280.3/18

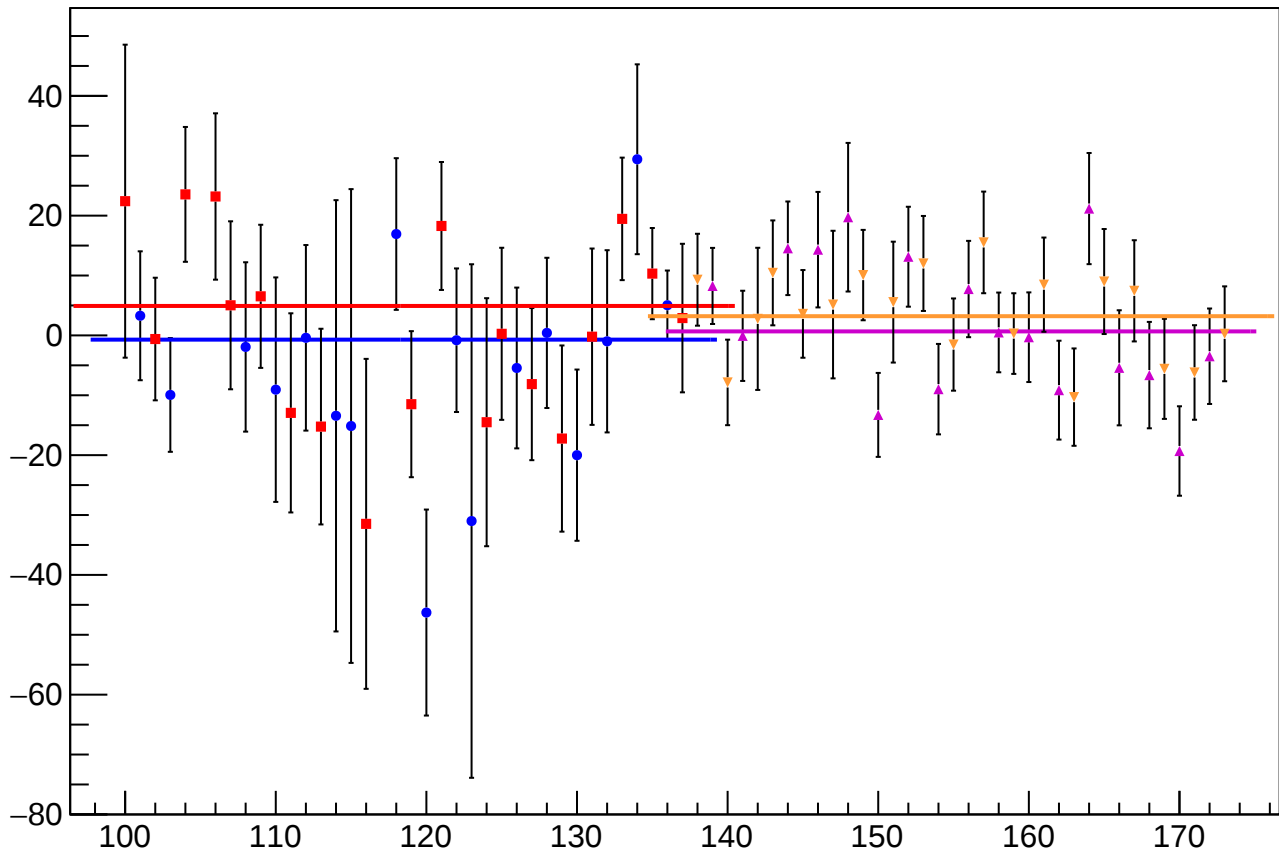
Left In: 9522.910+/-1.861 χ^2/NDF : 235583.3/16

+ sign 10202.901+/-1.624 χ^2/NDF : 2041555.3/35

All: 10329.433+/-1.170 χ^2/NDF : 4215099.4/7

- sign 10466.311+/-1.689 χ^2/NDF : 2160899.6/35

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 3.207 ± 1.881 χ^2/NDF : 15.1/18

Right Out: 4.918 ± 2.940 χ^2/NDF : 19.8/18

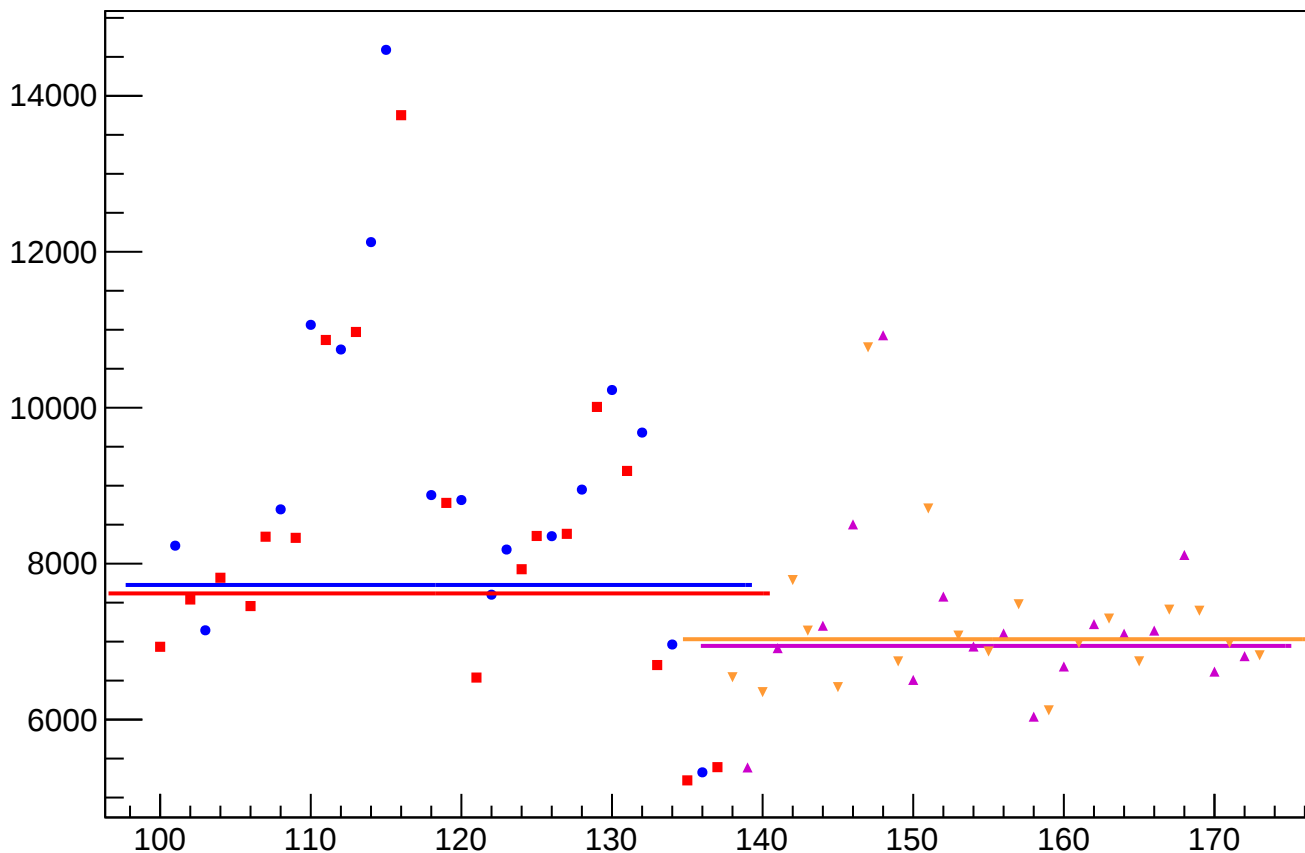
Left In: 0.667 ± 1.933 χ^2/NDF : 32.4/16

+ sign 2.145 ± 1.606 χ^2/NDF : 33.8/35

All: 2.048 ± 1.139 χ^2/NDF : 87.4/71

- sign 1.950 ± 1.615 χ^2/NDF : 53.6/35

diff_bpm4aY_rms vs Slug



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 7030.896+/-1.330 χ^2/NDF : 348045.9/18

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

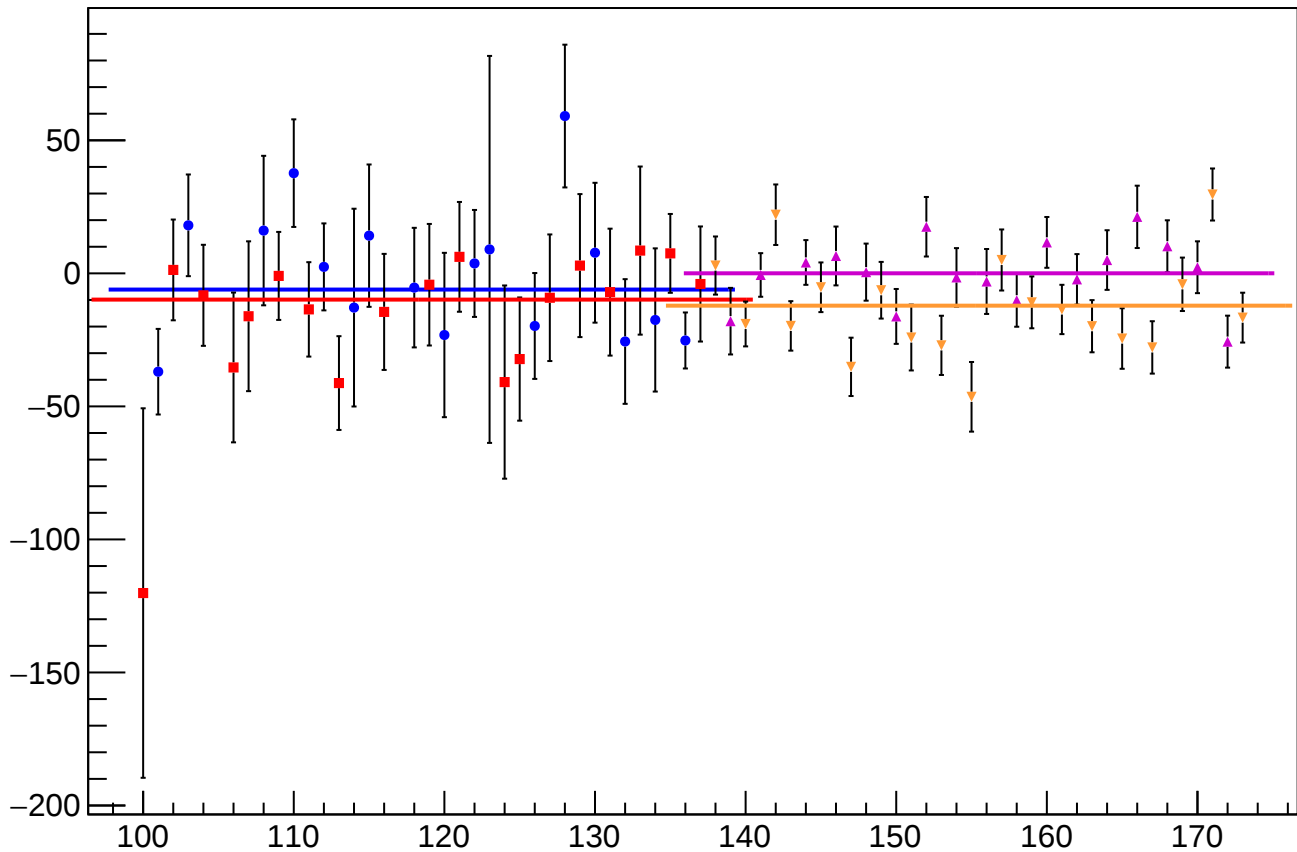
Left In: 6945.091+/-1.367 χ^2/NDF : 483223.7/16

+ sign 7219.641+/-1.136 χ^2/NDF : 1164783.7/35

All: 7184.199+/-0.805 χ^2/NDF : 2398296.3/71

- sign 7148.342+/-1.142 χ^2/NDF : 1231552.8/35

diff_bpm4eX_mean vs Slug



Right In: -6.092 $\pm$ 5.034 χ^2 /NDF: 22.9/16

Left Out: -12.142 $\pm$ 2.352 χ^2 /NDF: 52.8/18

Right Out: -9.864 $\pm$ 5.004 χ^2 /NDF: 11.6/18

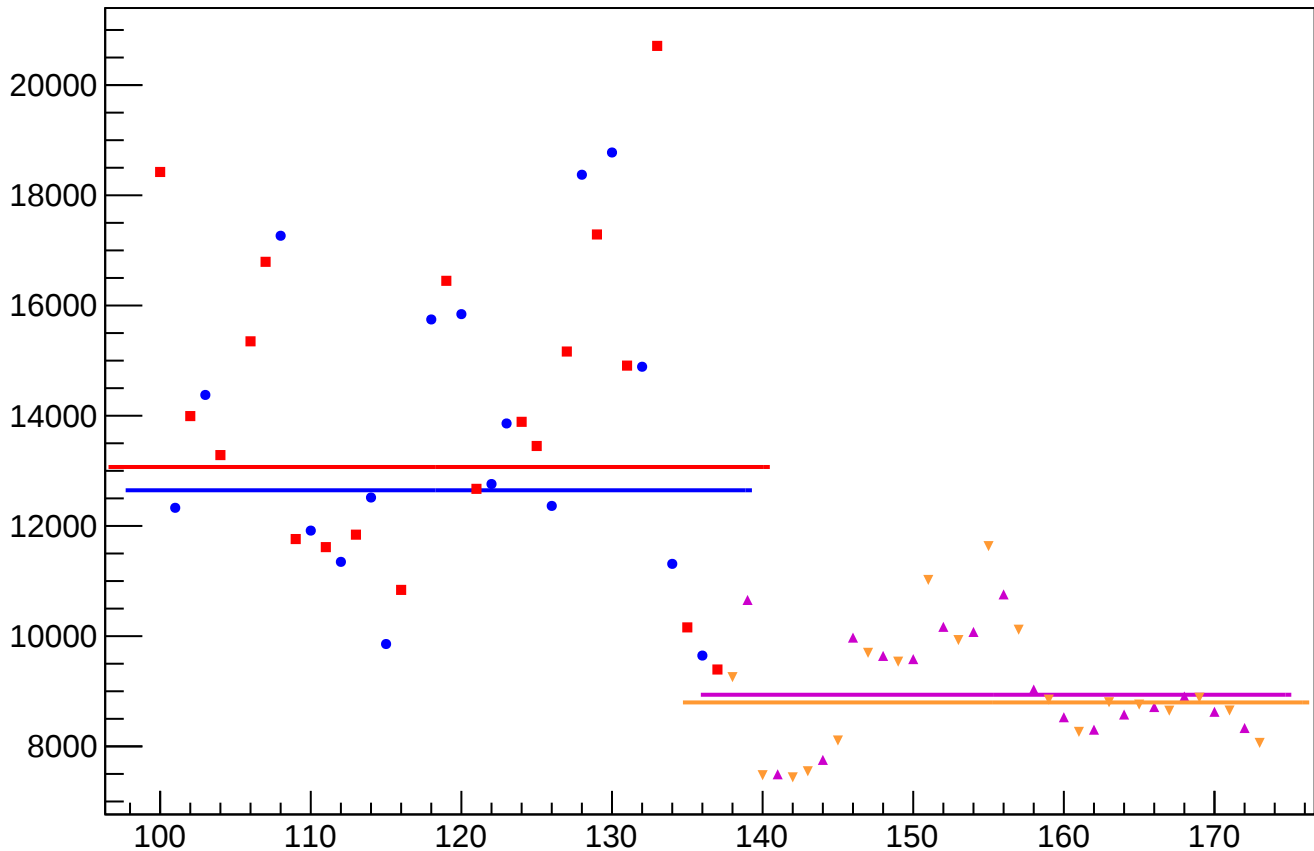
Left In: 0.022 $\pm$ 2.472 χ^2 /NDF: 21.8/16

+ sign -11.058 $\pm$ 2.131 χ^2 /NDF: 76.9/35

All: -6.668 $\pm$ 1.536 χ^2 /NDF: 122.3/71

- sign -1.918 $\pm$ 2.216 χ^2 /NDF: 36.5/35

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8797.477+/-1.663 χ^2/NDF : 377086.1/18

+ sign 9487.160+/-1.507 χ^2/NDF : 1891675.5/35

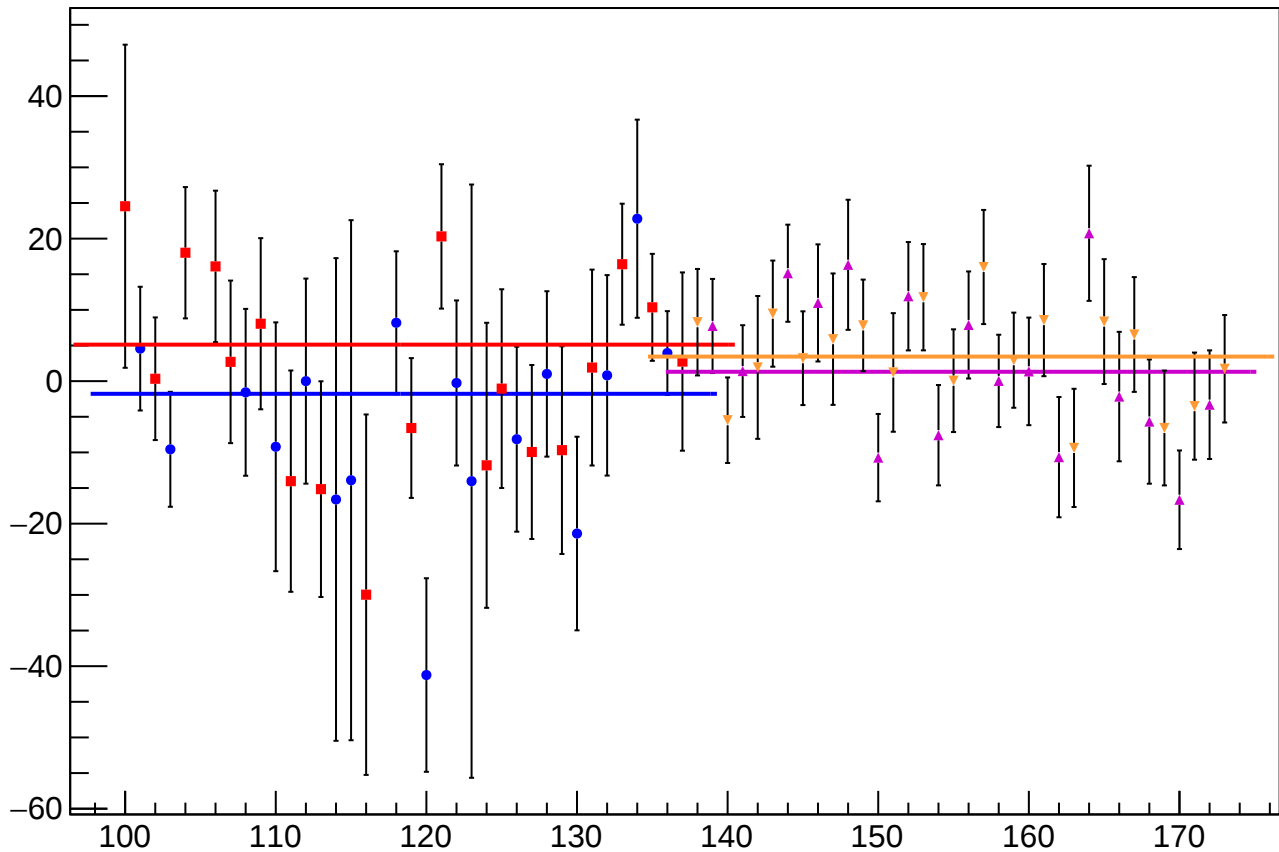
Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

All: 9612.341+/-1.086 χ^2/NDF : 3788188.0/71

Left In: 8936.801+/-1.748 χ^2/NDF : 288950.8/16

- sign 9747.813+/-1.567 χ^2/NDF : 1882136.4/35

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 3.446 ± 1.735 χ^2/NDF : 13.6/18

Right Out: 5.122 ± 2.642 χ^2/NDF : 18.9/18

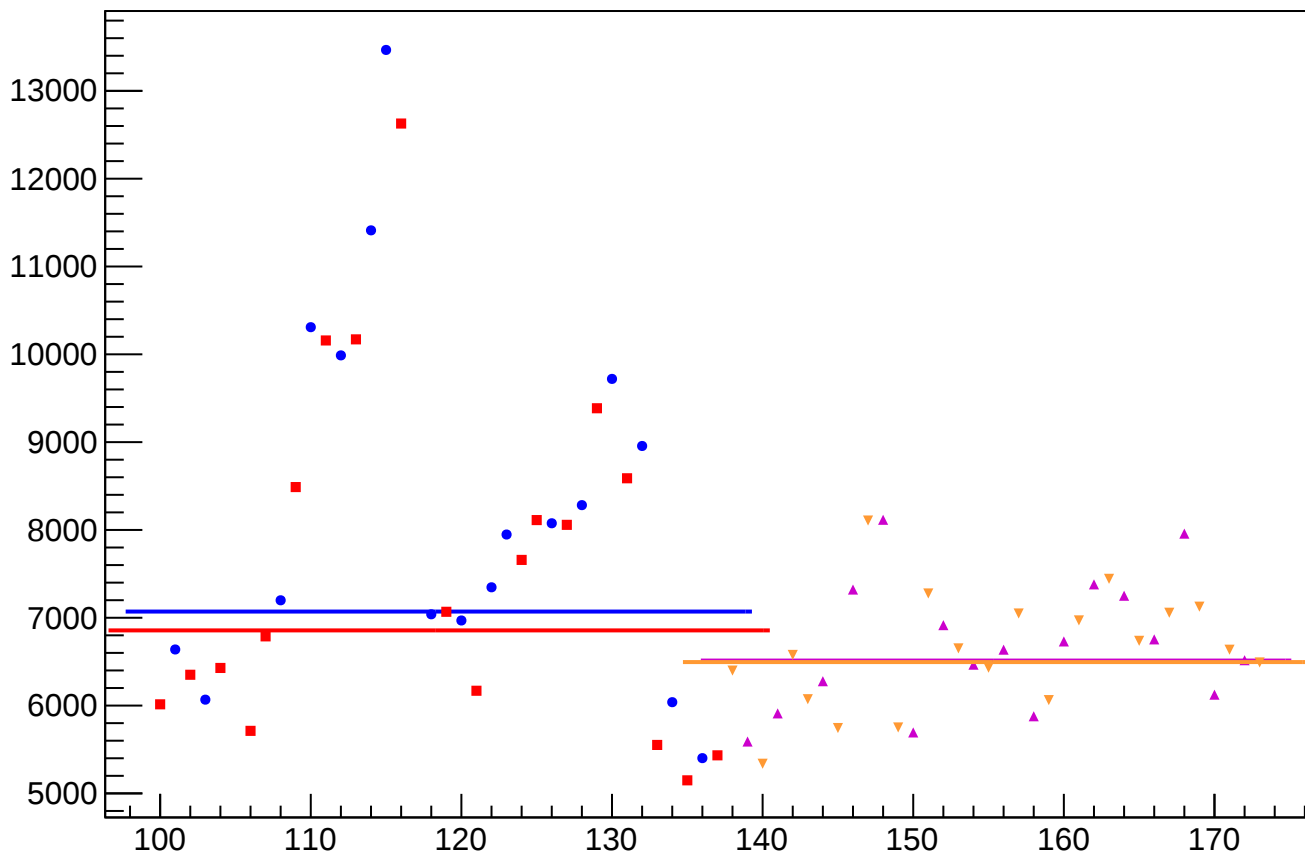
Left In: 1.314 ± 1.804 χ^2/NDF : 31.5/16

+ sign 2.001 ± 1.476 χ^2/NDF : 34.1/35

All: 2.261 ± 1.048 χ^2/NDF : 85.9/71

- sign 2.525 ± 1.490 χ^2/NDF : 51.8/35

diff_bpm4eY_rms vs Slug



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6495.451 $\pm$ 1.227 χ^2 /NDF: 289606.1/18

Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

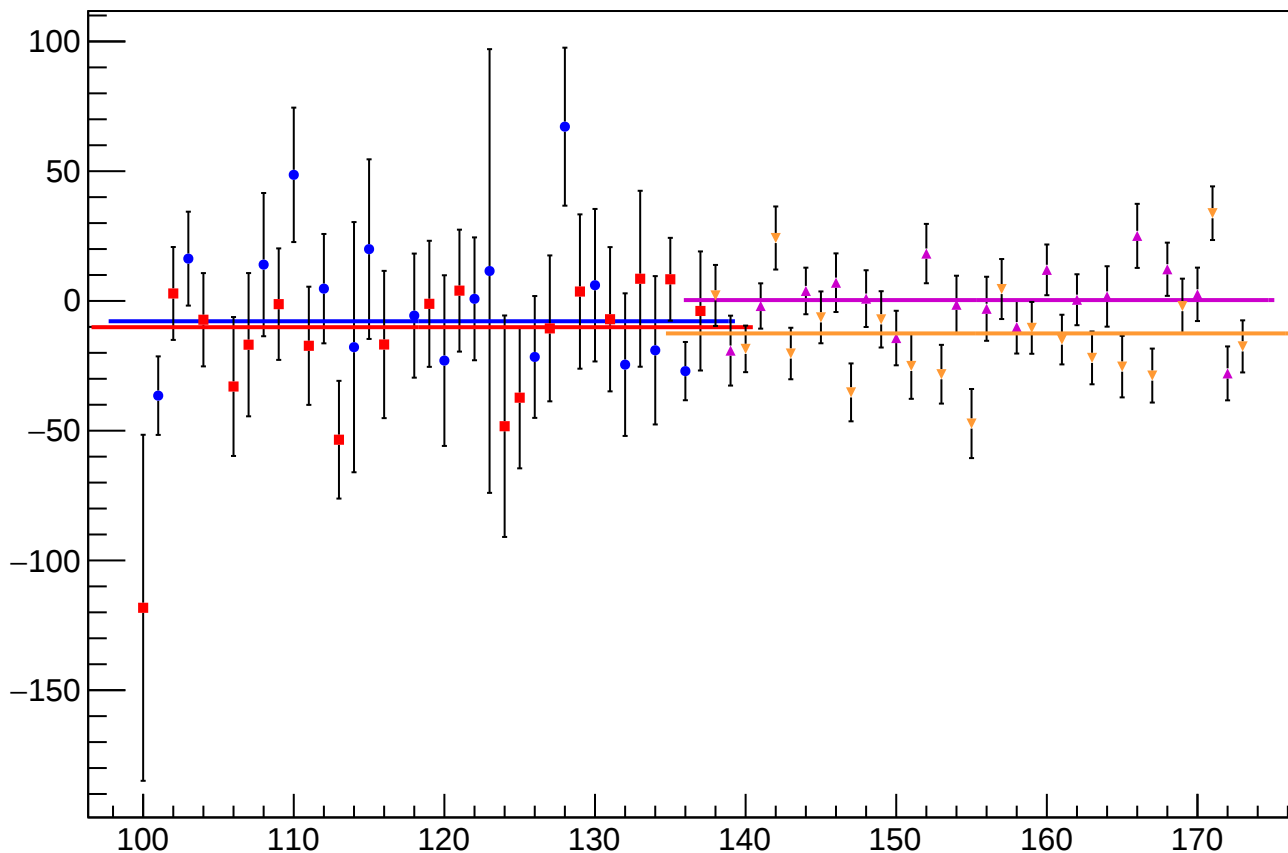
Left In: 6512.585 $\pm$ 1.276 χ^2 /NDF: 298657.5/16

+ sign 6654.521 $\pm$ 1.043 χ^2 /NDF: 952104.0/35

All: 6638.354 $\pm$ 0.741 χ^2 /NDF: 1956529.2/71

- sign 6621.869 $\pm$ 1.054 χ^2 /NDF: 1003940.3/35

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -12.514 ± 2.458 χ^2/NDF : 54.3/18

Right Out: -10.117 ± 5.571 χ^2/NDF : 12.2/18

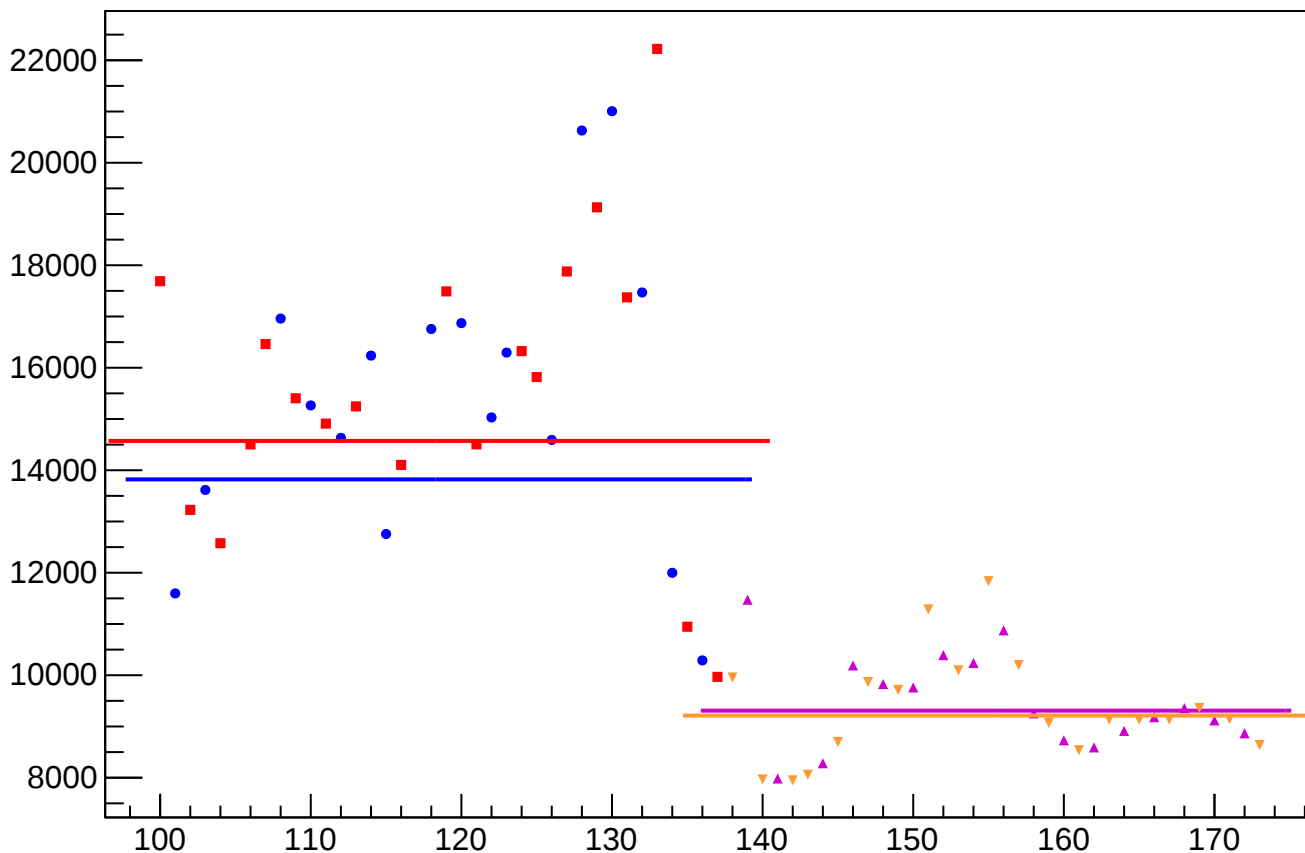
Left In: 0.331 ± 2.572 χ^2/NDF : 22.4/16

+ sign -11.737 ± 2.245 χ^2/NDF : 77.2/35

All: -6.822 ± 1.619 χ^2/NDF : 124.7/71

- sign -1.505 ± 2.335 χ^2/NDF : 37.5/35

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9213.084+/-1.738 χ^2/NDF : 287123.9/18

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

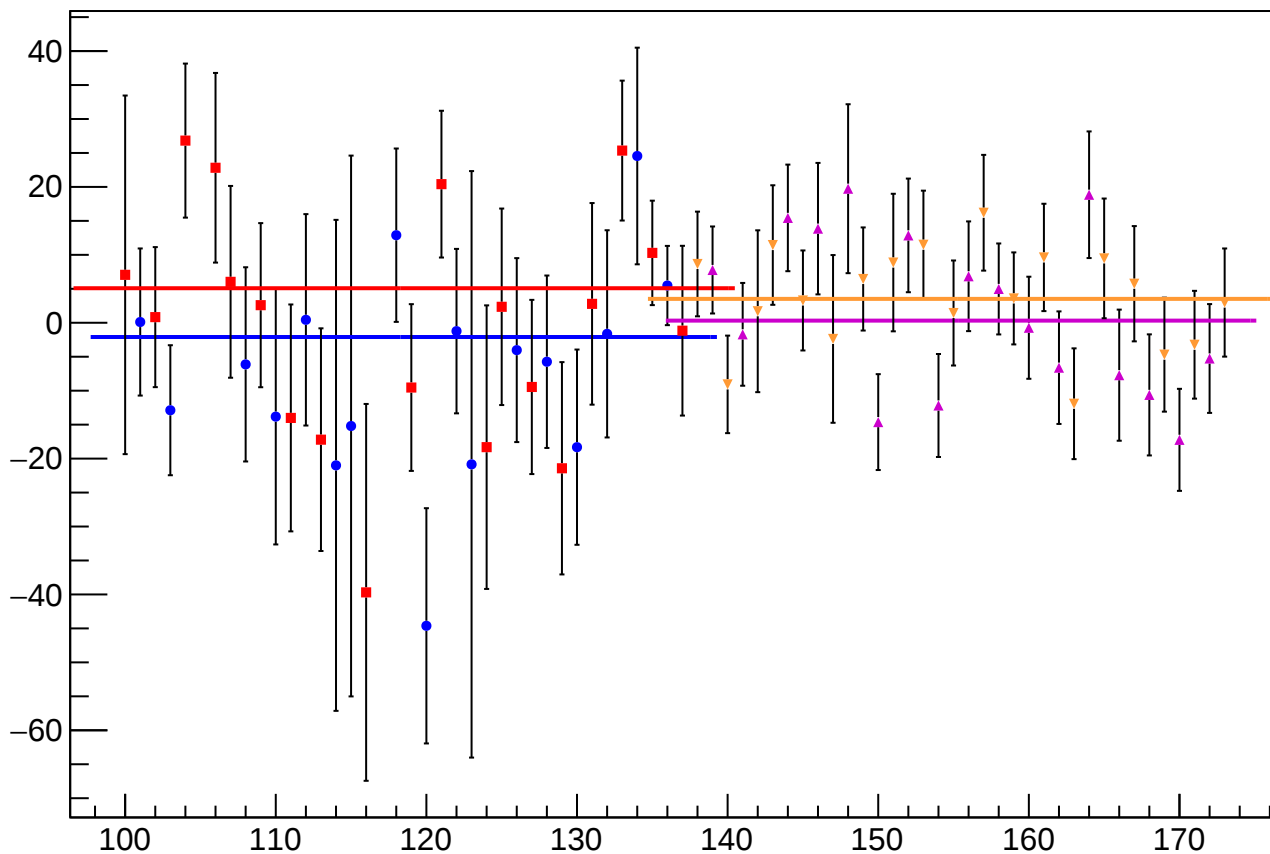
Left In: 9308.914+/-1.819 χ^2/NDF : 232839.4/16

+ sign 9976.788+/-1.588 χ^2/NDF : 2054384.0/35

All: 10100.296+/-1.145 χ^2/NDF : 4243777.7/71

- sign 10233.907+/-1.651 χ^2/NDF : 2176797.1/35

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 3.517 ± 1.890 $\chi^2/\text{NDF}: 14.7/18$

Right Out: 5.085 ± 2.962 $\chi^2/\text{NDF}: 24.8/18$

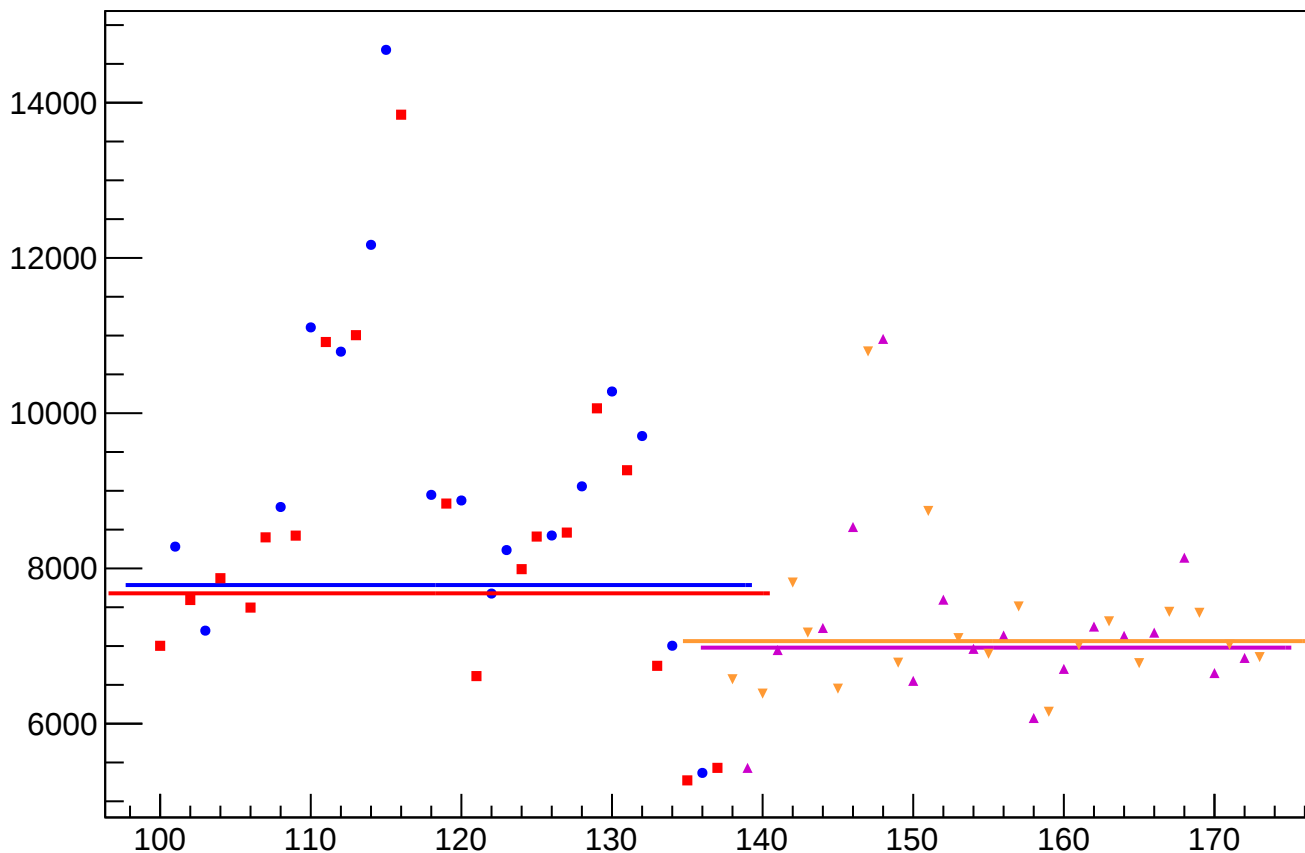
Left In: 0.316 ± 1.942 $\chi^2/\text{NDF}: 32.9/16$

+ sign 2.000 ± 1.614 $\chi^2/\text{NDF}: 32.7/35$

All: 1.876 ± 1.145 $\chi^2/\text{NDF}: 92.2/71$

- sign 1.750 ± 1.624 $\chi^2/\text{NDF}: 59.5/35$

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7063.557+/-1.336 χ^2/NDF : 344101.1/18

Right Out: 7679.182+/-2.095 χ^2/NDF : 668736.8/18

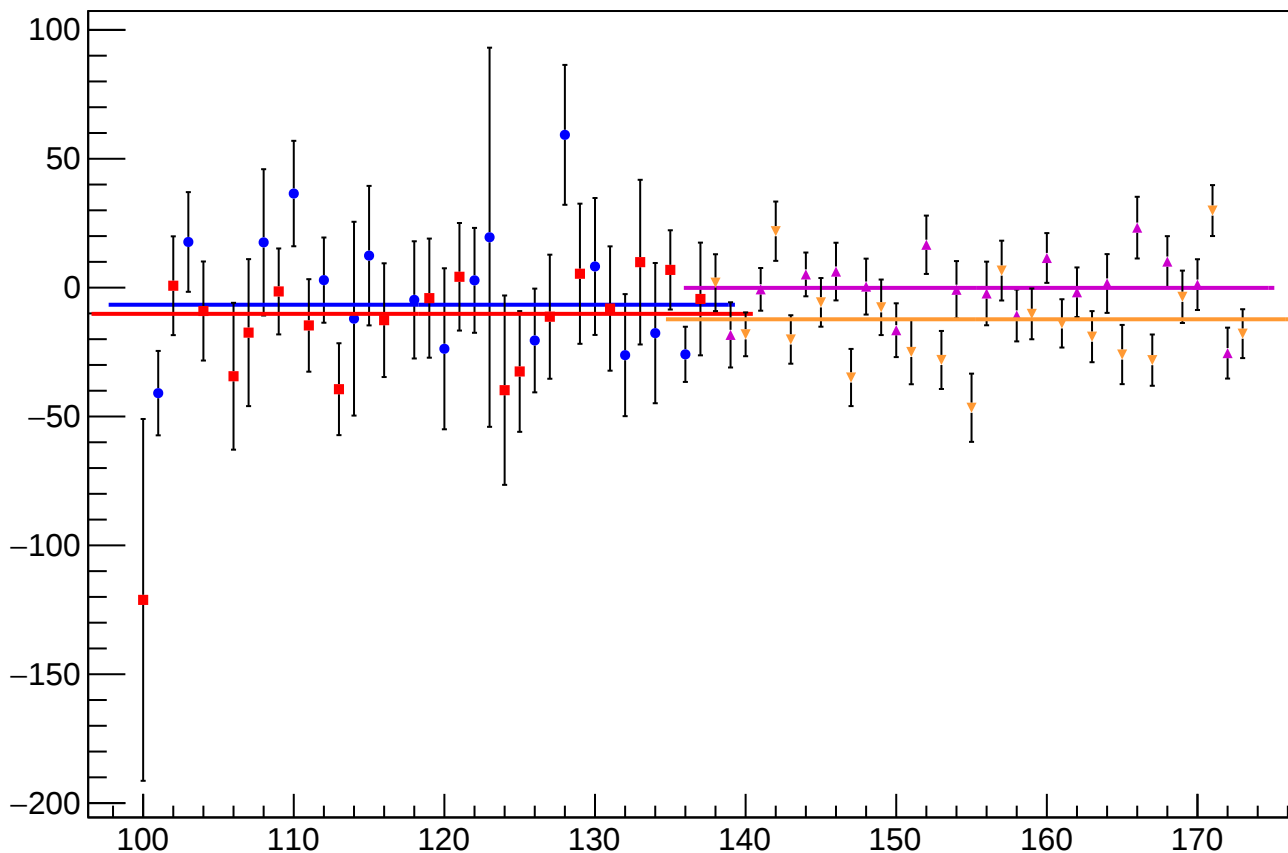
Left In: 6979.454+/-1.374 χ^2/NDF : 475181.5/16

+ sign 7258.657+/-1.142 χ^2/NDF : 1161142.1/35

All: 7224.473+/-0.810 χ^2/NDF : 2384905.3/71

- sign 7189.865+/-1.149 χ^2/NDF : 1221958.6/35

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -12.280 ± 2.378 χ^2/NDF : 52.6/18

Right Out: -10.172 ± 5.075 χ^2/NDF : 10.8/18

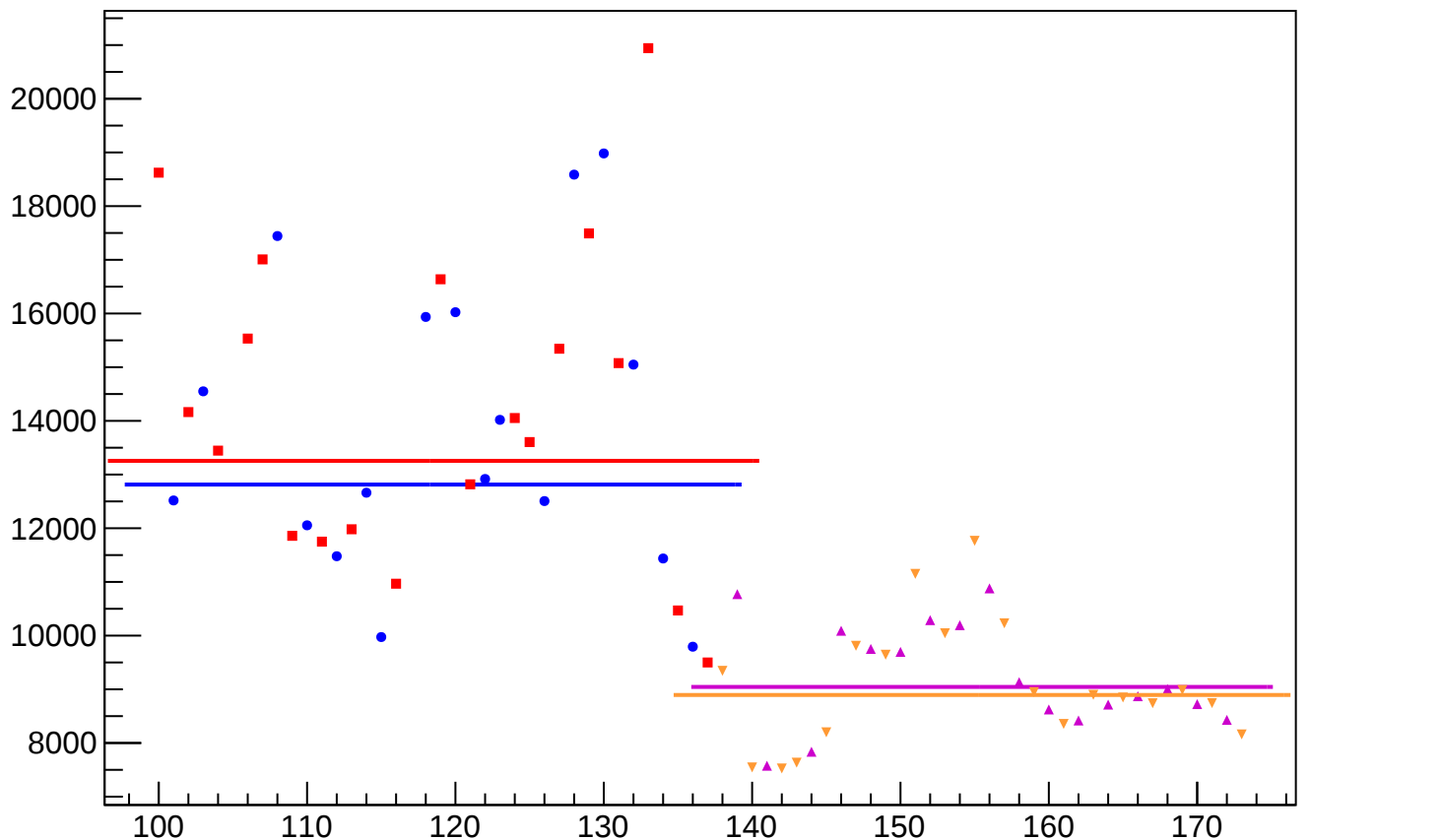
Left In: -0.096 ± 2.502 χ^2/NDF : 21.6/16

+ sign -11.272 ± 2.155 χ^2/NDF : 77.0/35

All: -6.857 ± 1.554 χ^2/NDF : 121.3/71

- sign -2.067 ± 2.244 χ^2/NDF : 35.5/35

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8894.192+/-1.681 χ^2/NDF : 378394.6/18

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

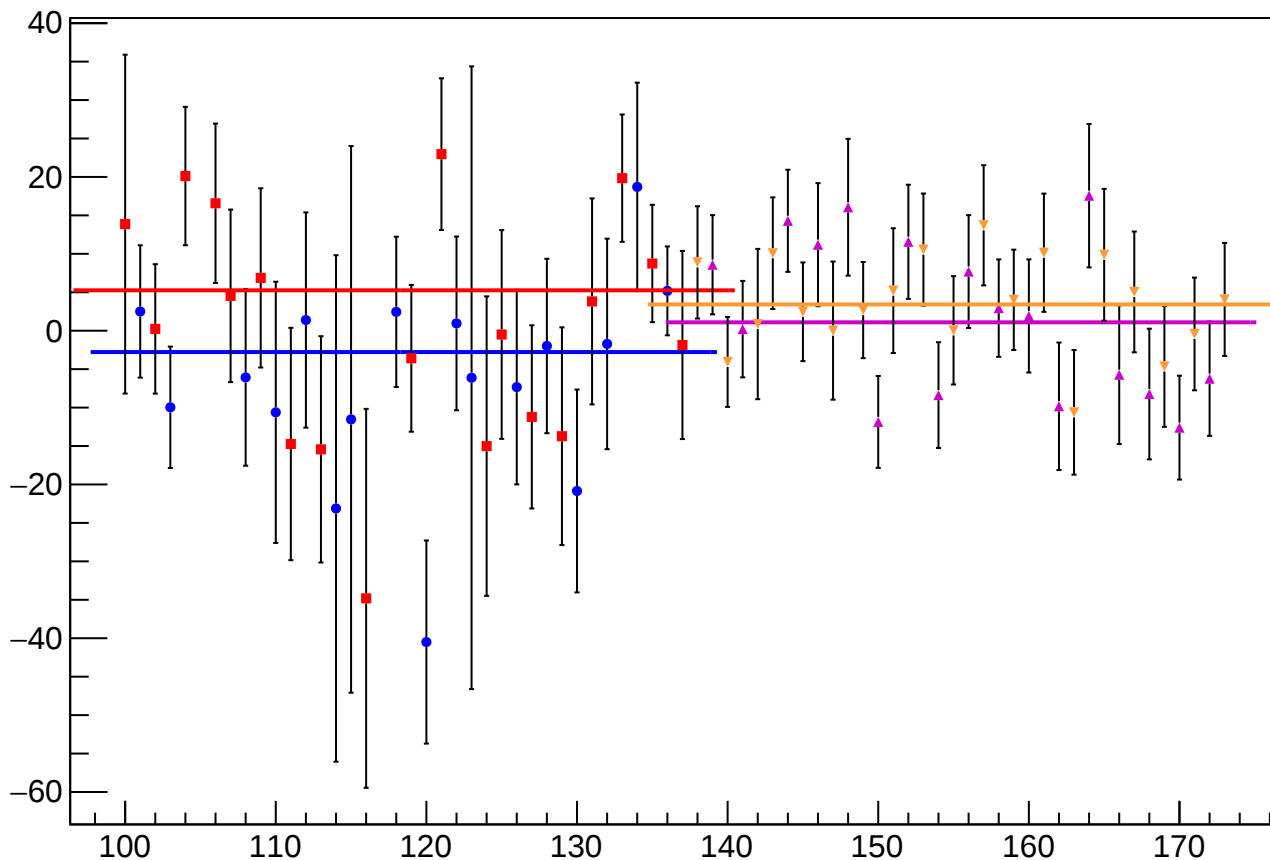
Left In: 9044.129+/-1.770 χ^2/NDF : 288406.9/16

+ sign 9593.622+/-1.524 χ^2/NDF : 1896512.3/35

All: 9725.180+/-1.099 χ^2/NDF : 3792697.0/71

- sign 9867.889+/-1.587 χ^2/NDF : 1880645.0/35

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.418 ± 1.693 χ^2/NDF : 12.0/18

Right Out: 5.252 ± 2.590 χ^2/NDF : 23.5/18

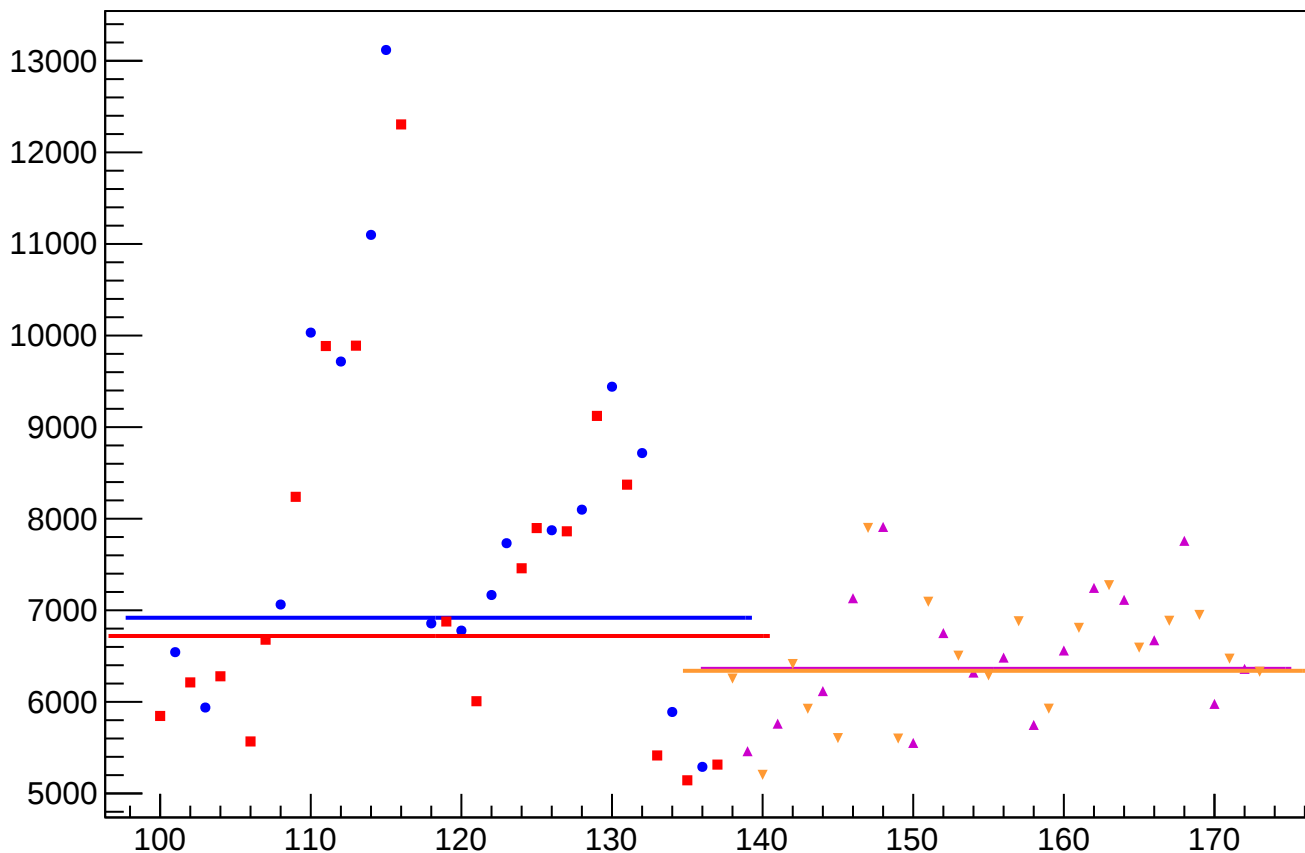
Left In: 1.090 ± 1.763 χ^2/NDF : 31.0/16

+ sign 1.712 ± 1.441 χ^2/NDF : 32.7/35

All: 2.056 ± 1.025 χ^2/NDF : 89.0/71

- sign 2.408 ± 1.457 χ^2/NDF : 56.2/35

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6339.248+/-1.197 χ^2/NDF : 290977.2/18

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

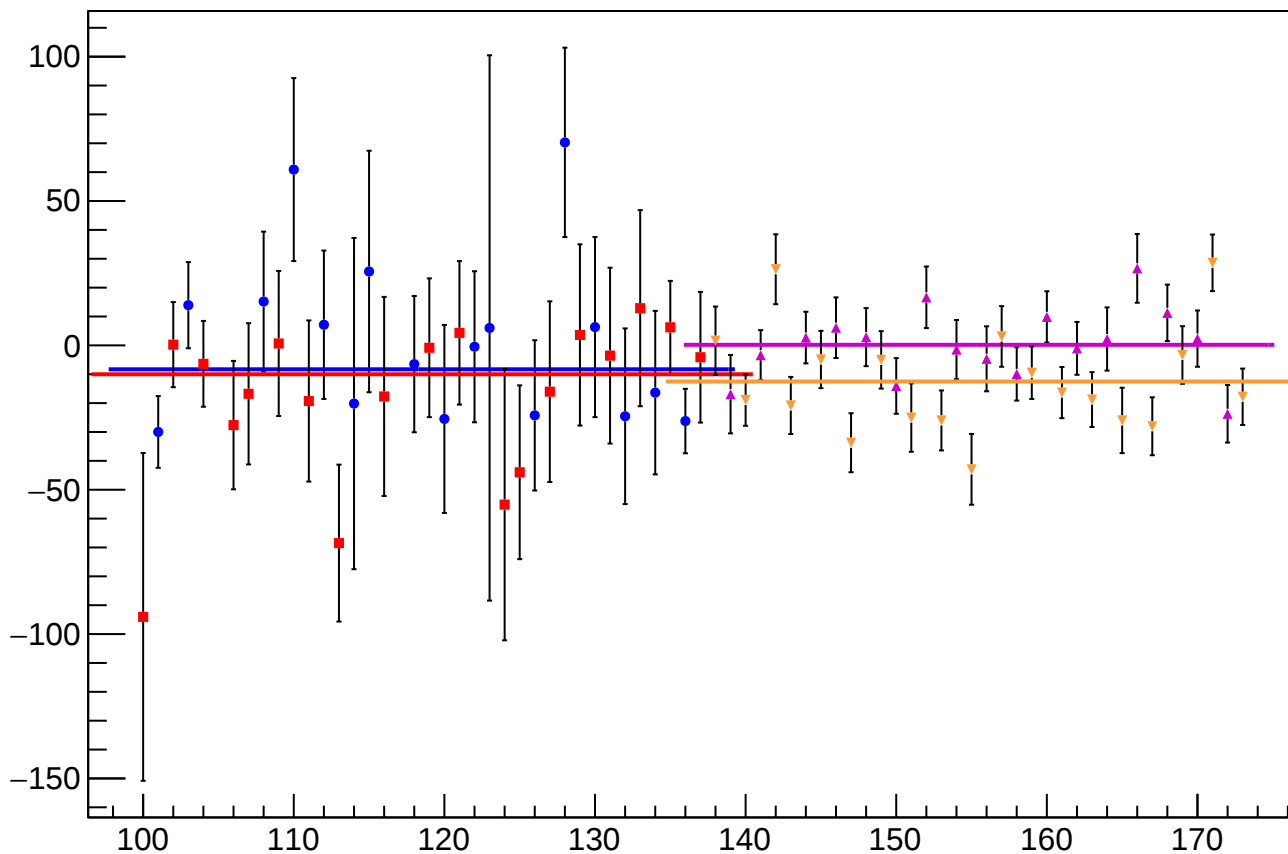
Left In: 6360.674+/-1.247 χ^2/NDF : 300661.3/16

+ sign 6498.722+/-1.019 χ^2/NDF : 943408.4/35

All: 6486.639+/-0.725 χ^2/NDF : 1924409.8/71

- sign 6474.285+/-1.031 χ^2/NDF : 980717.1/35

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -12.508 ± 2.336 χ^2/NDF : 52.9/18

Right Out: -10.007 ± 5.513 χ^2/NDF : 12.9/18

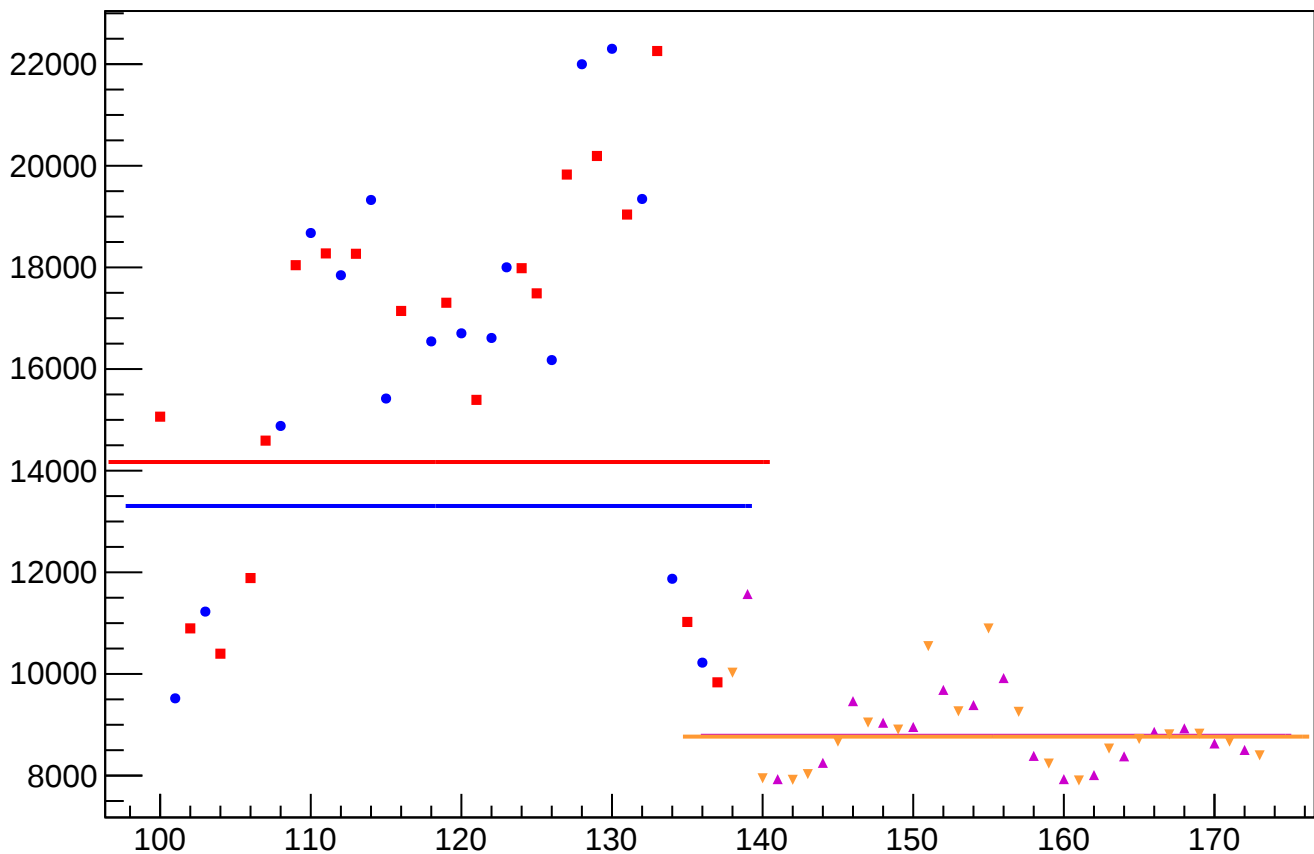
Left In: 0.191 ± 2.426 χ^2/NDF : 21.4/16

+ sign -11.845 ± 2.144 χ^2/NDF : 75.1/35

All: -6.836 ± 1.543 χ^2/NDF : 123.6/71

- sign -1.464 ± 2.221 χ^2/NDF : 37.2/35

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8767.035+/-1.652 χ^2/NDF : 207040.3/18

Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

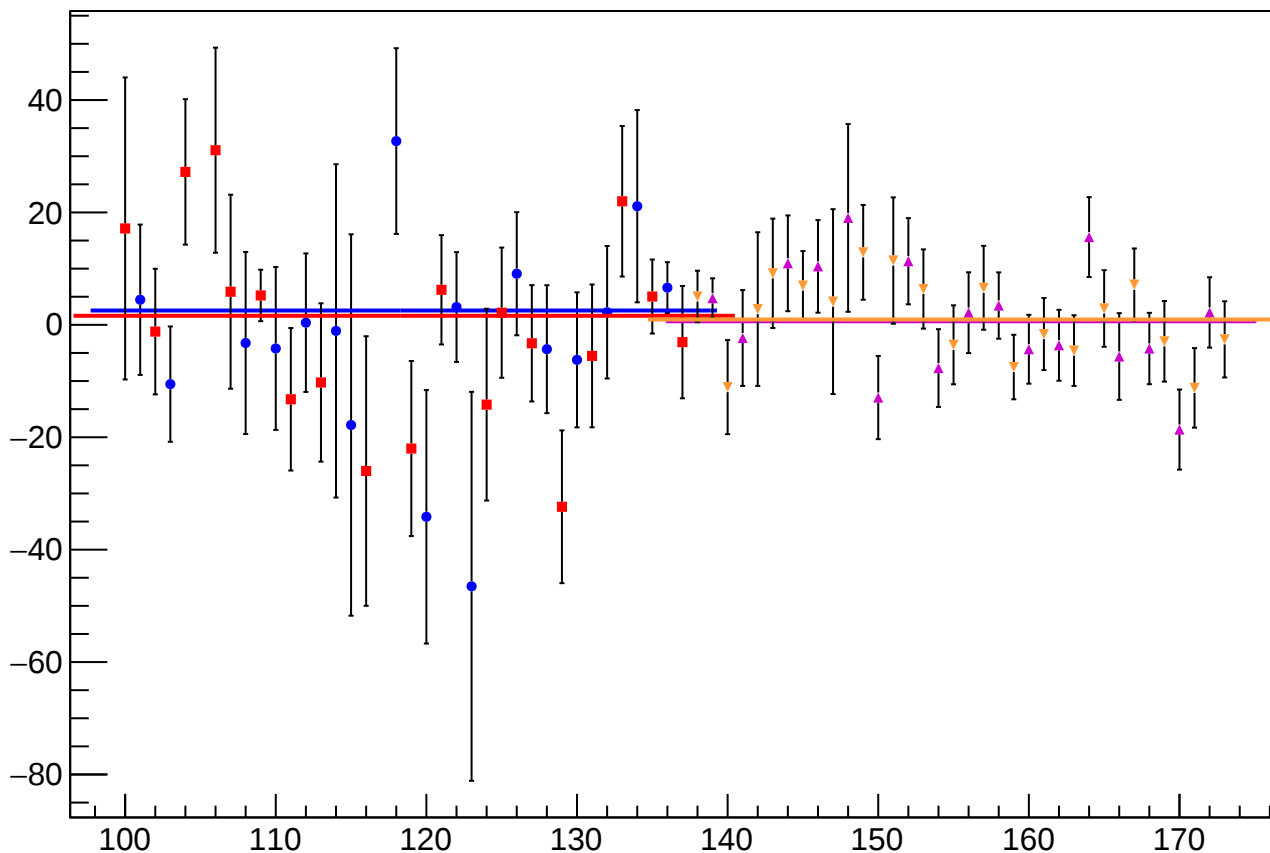
Left In: 8783.424+/-1.716 χ^2/NDF : 204447.1/16

+ sign 9480.082+/-1.516 χ^2/NDF : 2437398.5/35

All: 9565.678+/-1.091 χ^2/NDF : 5178955.7/71

- sign 9657.463+/-1.570 χ^2/NDF : 2734954.0/35

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 0.952 ± 1.632 χ^2/NDF : 16.7/18

Right Out: 1.613 ± 2.442 χ^2/NDF : 24.0/18

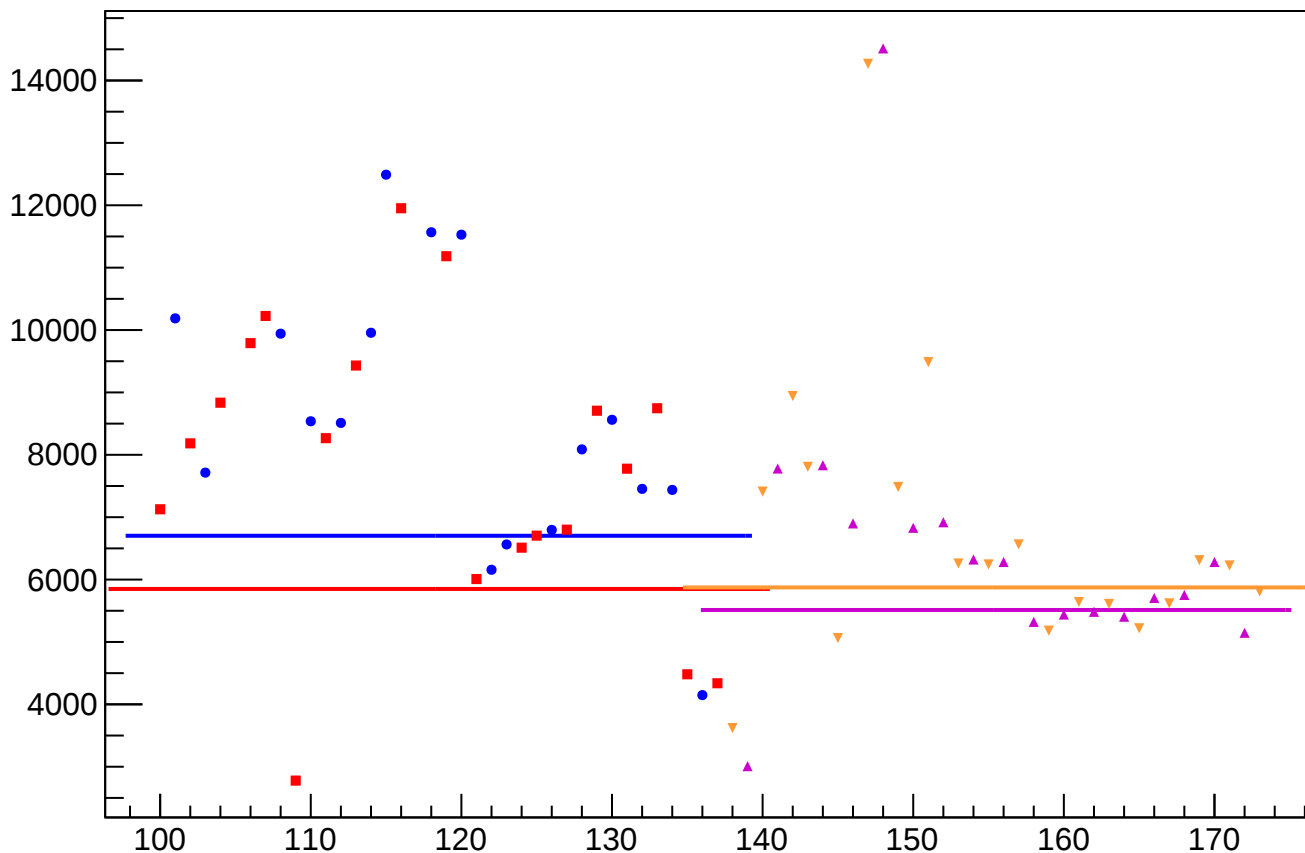
Left In: 0.638 ± 1.604 χ^2/NDF : 26.8/16

+ sign 1.367 ± 1.404 χ^2/NDF : 30.6/35

All: 1.140 ± 0.970 χ^2/NDF : 81.5/71

- sign 0.932 ± 1.341 χ^2/NDF : 50.9/35

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5874.159+/-1.154 χ^2/NDF : 1665662.1/18

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

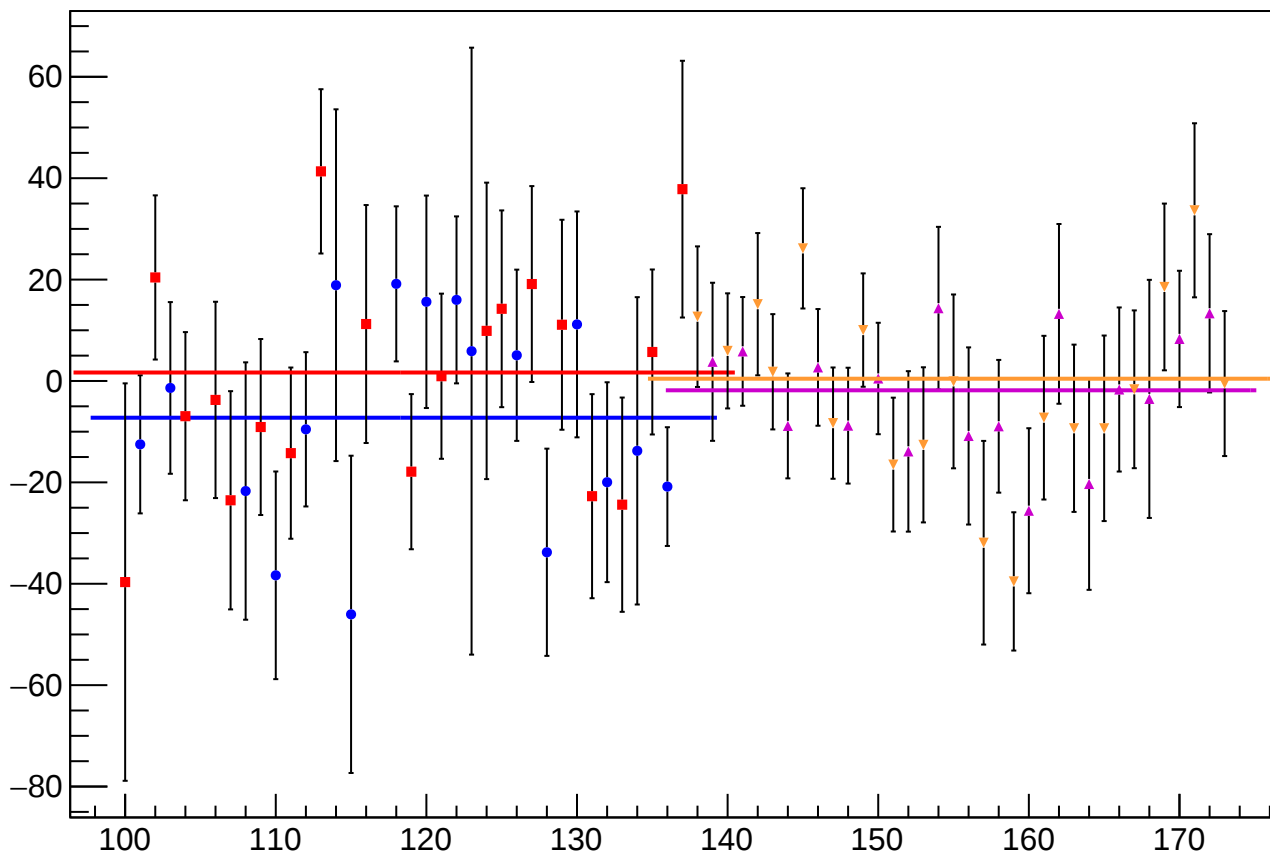
Left In: 5512.663+/-1.134 χ^2/NDF : 2148897.3/16

+ sign 6089.029+/-0.993 χ^2/NDF : 3189250.8/35

All: 5840.644+/-0.686 χ^2/NDF : 7762817.4/71

- sign 5614.213+/-0.948 χ^2/NDF : 4453955.6/35

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 0.448 ± 3.210 χ^2/NDF : 27.6/18

Right Out: 1.671 ± 4.373 χ^2/NDF : 19.9/18

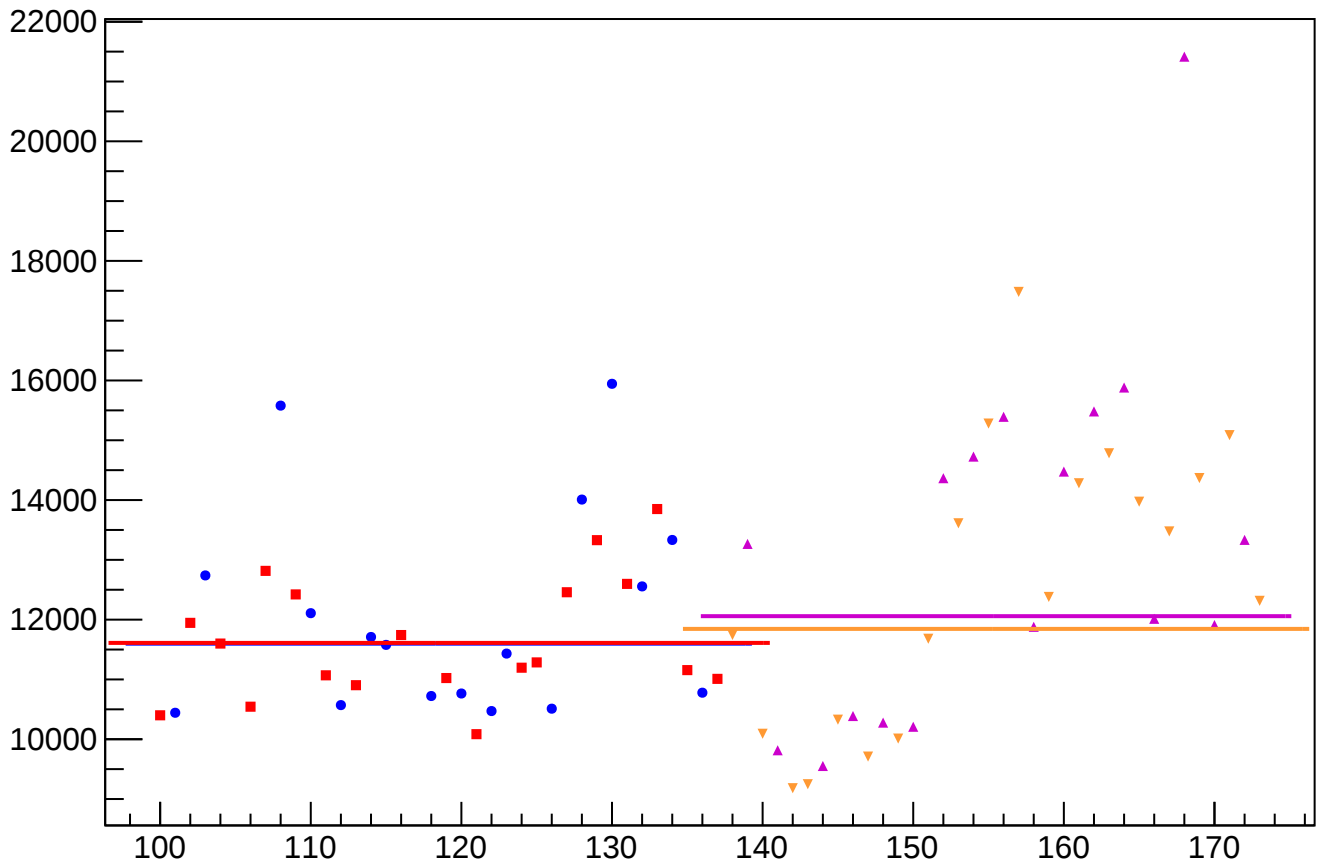
Left In: -1.839 ± 3.388 χ^2/NDF : 9.0/16

+ sign -2.111 ± 2.622 χ^2/NDF : 45.5/35

All: -1.333 ± 1.874 χ^2/NDF : 74.9/71

- sign -0.523 ± 2.678 χ^2/NDF : 29.2/35

diff_bpm11X_rms vs Slug



Right In: 11598.751 $\pm$ 3.215 χ^2 /NDF: 235423.8/16

Left Out: 11845.321 $\pm$ 2.270 χ^2 /NDF: 932727.9/18

Right Out: 11610.941 $\pm$ 3.092 χ^2 /NDF: 94447.0/18

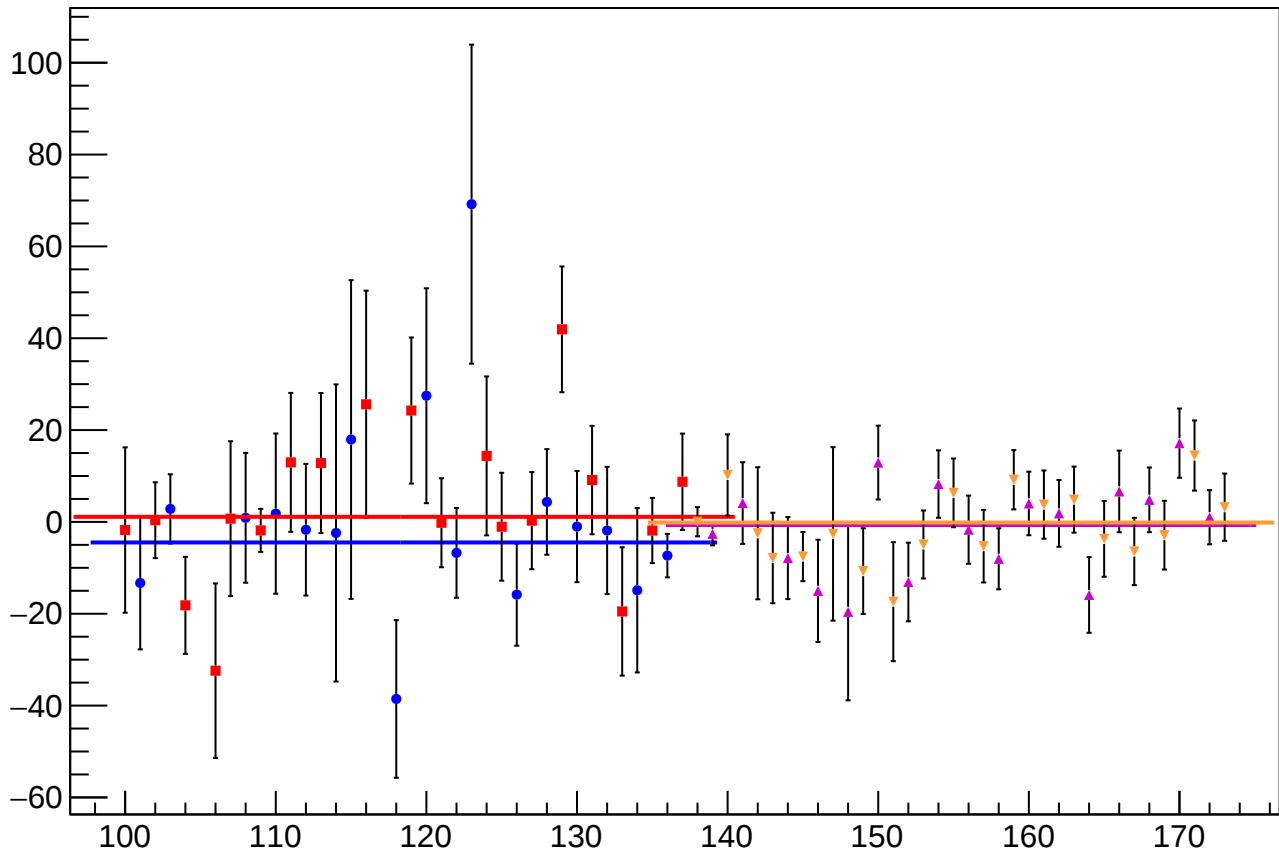
Left In: 12058.152 $\pm$ 2.395 χ^2 /NDF: 1052083.6/16

+ sign 11763.310 $\pm$ 1.854 χ^2 /NDF: 1172076.8/35

All: 11825.532 $\pm$ 1.325 χ^2 /NDF: 2333979.8/7

- sign 11890.428 $\pm$ 1.894 χ^2 /NDF: 1159602.5/35

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.139 ± 1.617 χ^2/NDF : 16.3/18

Right Out: 1.105 ± 2.429 χ^2/NDF : 24.0/18

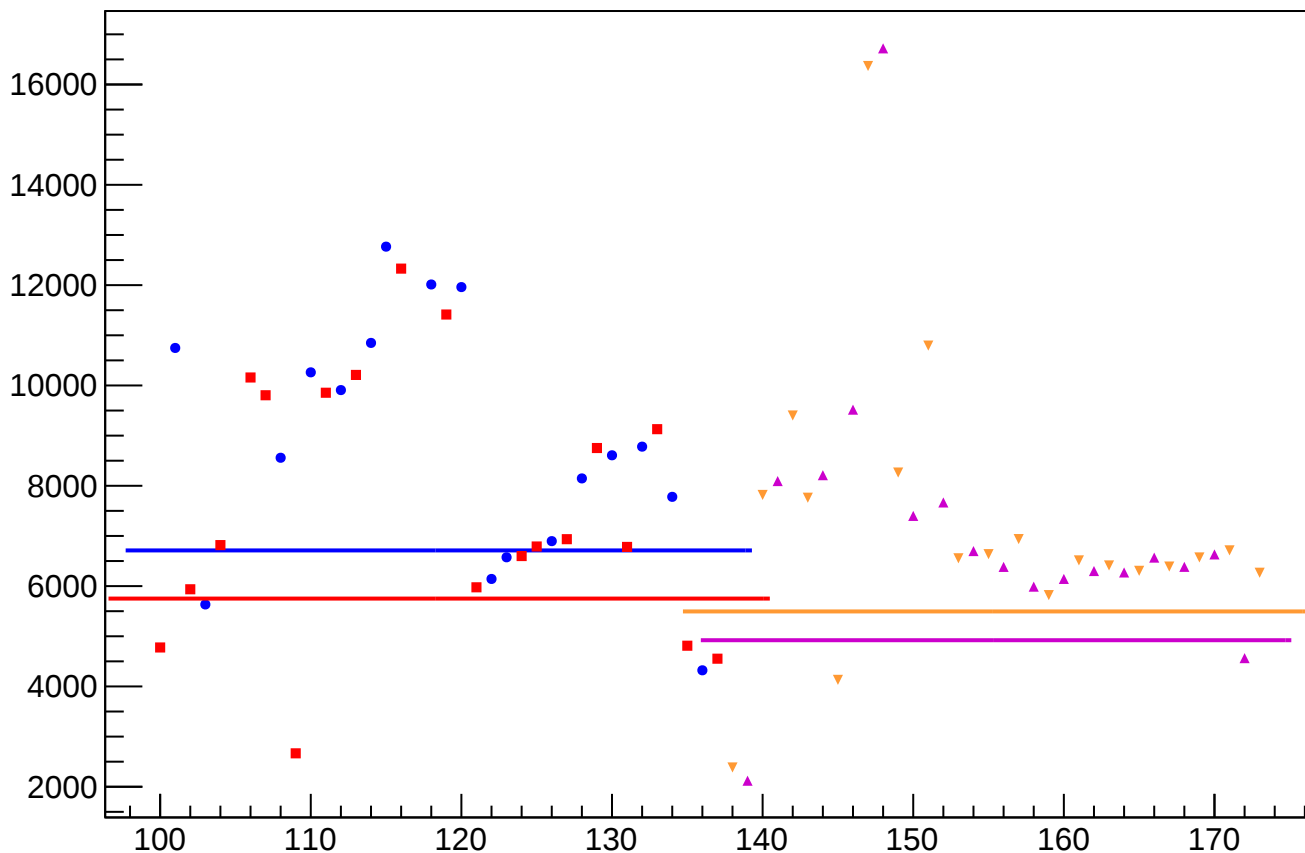
Left In: -0.674 ± 1.544 χ^2/NDF : 22.8/16

+ sign -1.234 ± 1.398 χ^2/NDF : 33.0/35

All: -0.660 ± 0.953 χ^2/NDF : 80.6/71

- sign -0.162 ± 1.303 χ^2/NDF : 47.2/35

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5495.168+/-1.143 χ^2/NDF : 4003375.2/18

Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

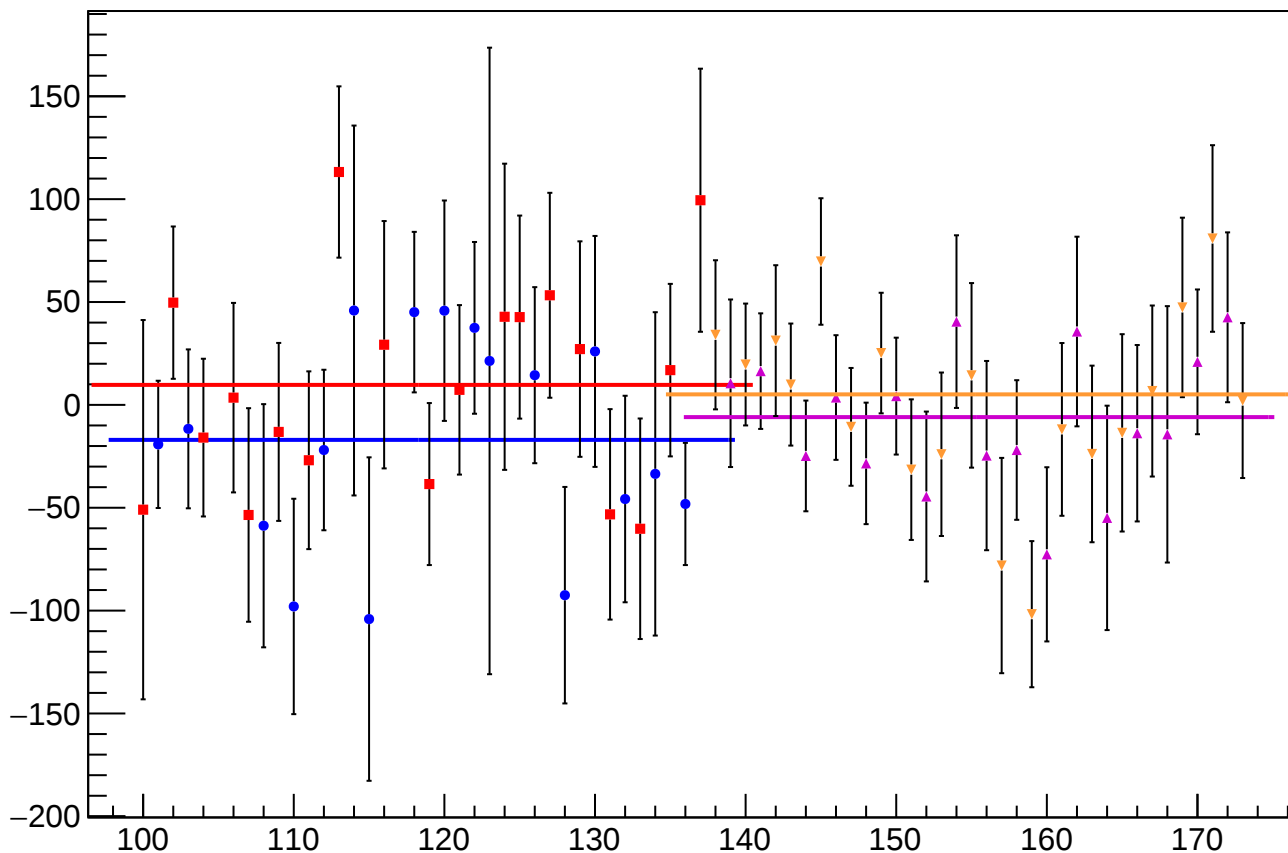
Left In: 4921.425+/-1.092 χ^2/NDF : 5240020.8/16

+ sign 5802.245+/-0.988 χ^2/NDF : 5736232.1/35

All: 5458.936+/-0.674 χ^2/NDF : 13533293.3/71

- sign 5160.409+/-0.922 χ^2/NDF : 7571458.7/35

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 5.110 ± 8.389 χ^2/NDF : 24.4/18

Right Out: 9.719 ± 10.891 χ^2/NDF : 19.1/18

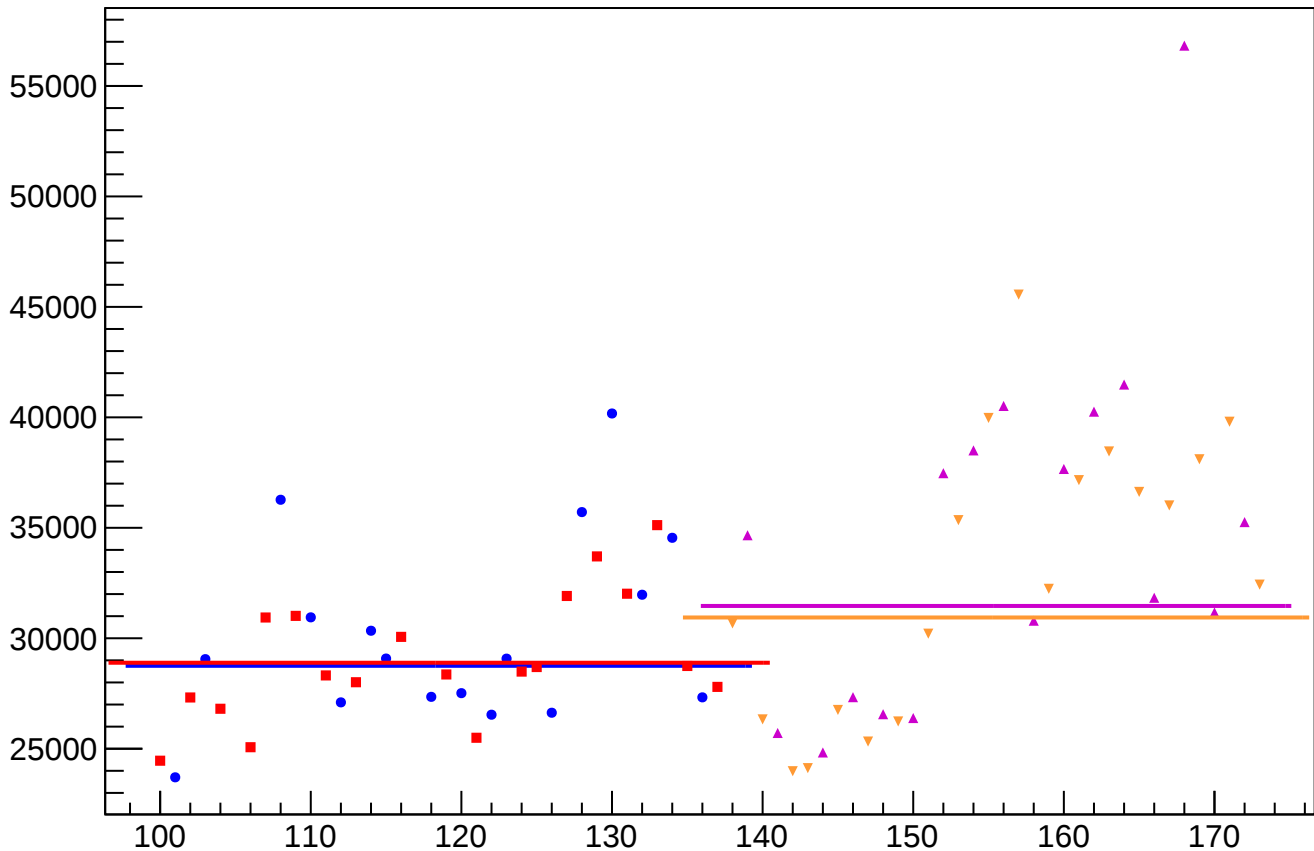
Left In: -5.941 ± 8.844 χ^2/NDF : 10.7/16

+ sign -2.761 ± 6.733 χ^2/NDF : 41.9/35

All: -1.269 ± 4.807 χ^2/NDF : 73.0/71

- sign 0.283 ± 6.866 χ^2/NDF : 31.0/35

diff_bpm12X_rms vs Slug



Right In: 28753.787 $\pm$ 7.981 χ^2 /NDF: 249215.1/16

Left Out: 30940.769 $\pm$ 5.932 χ^2 /NDF: 953727.4/18

Right Out: 28892.154 $\pm$ 7.701 χ^2 /NDF: 111241.2/18

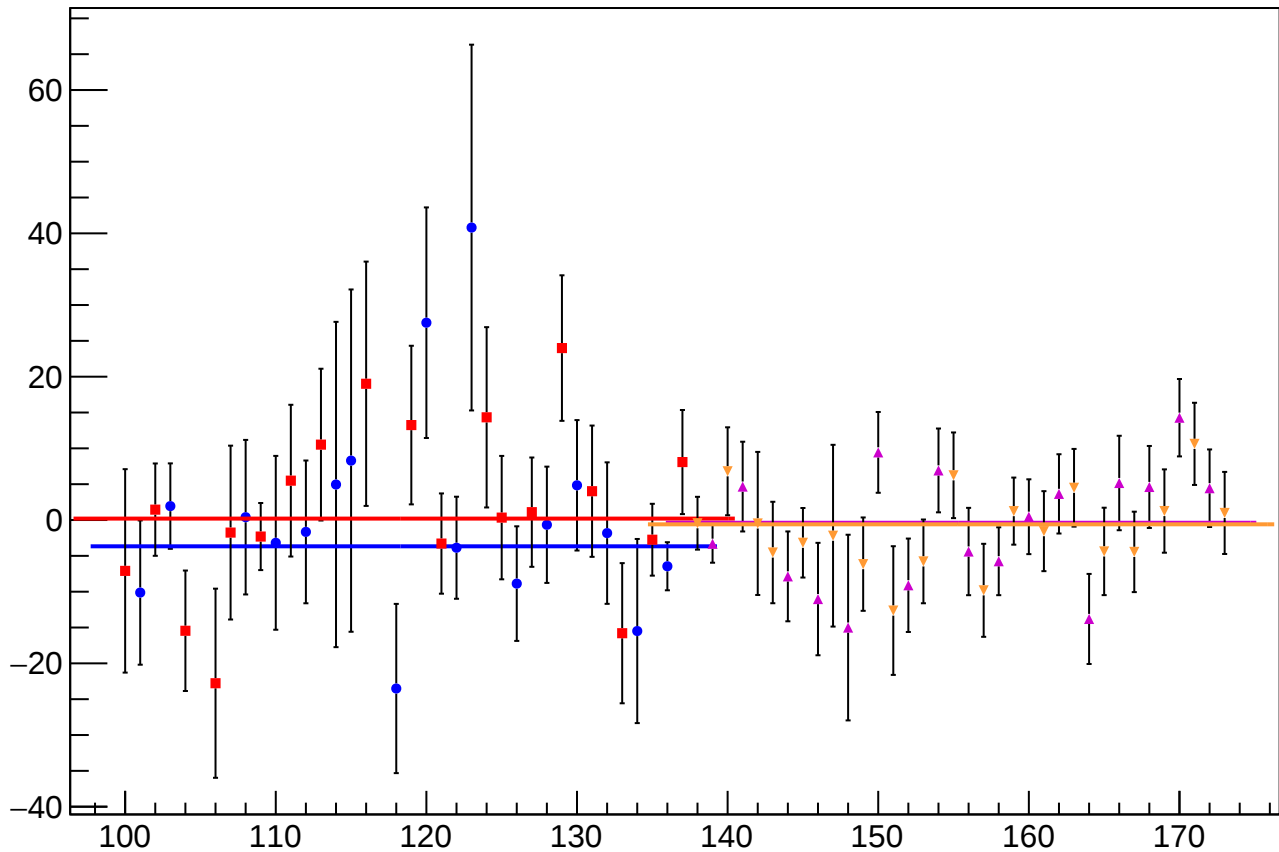
Left In: 31462.680 $\pm$ 6.254 χ^2 /NDF: 1082367.5/16

+ sign 30162.554 $\pm$ 4.761 χ^2 /NDF: 1251309.6/35

All: 30299.112 $\pm$ 3.399 χ^2 /NDF: 2513735.8/7

- sign 30441.102 $\pm$ 4.855 χ^2 /NDF: 1260748.1/35

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.599 ± 1.340 χ^2/NDF : 14.6/18

Right Out: 0.199 ± 1.893 χ^2/NDF : 22.3/18

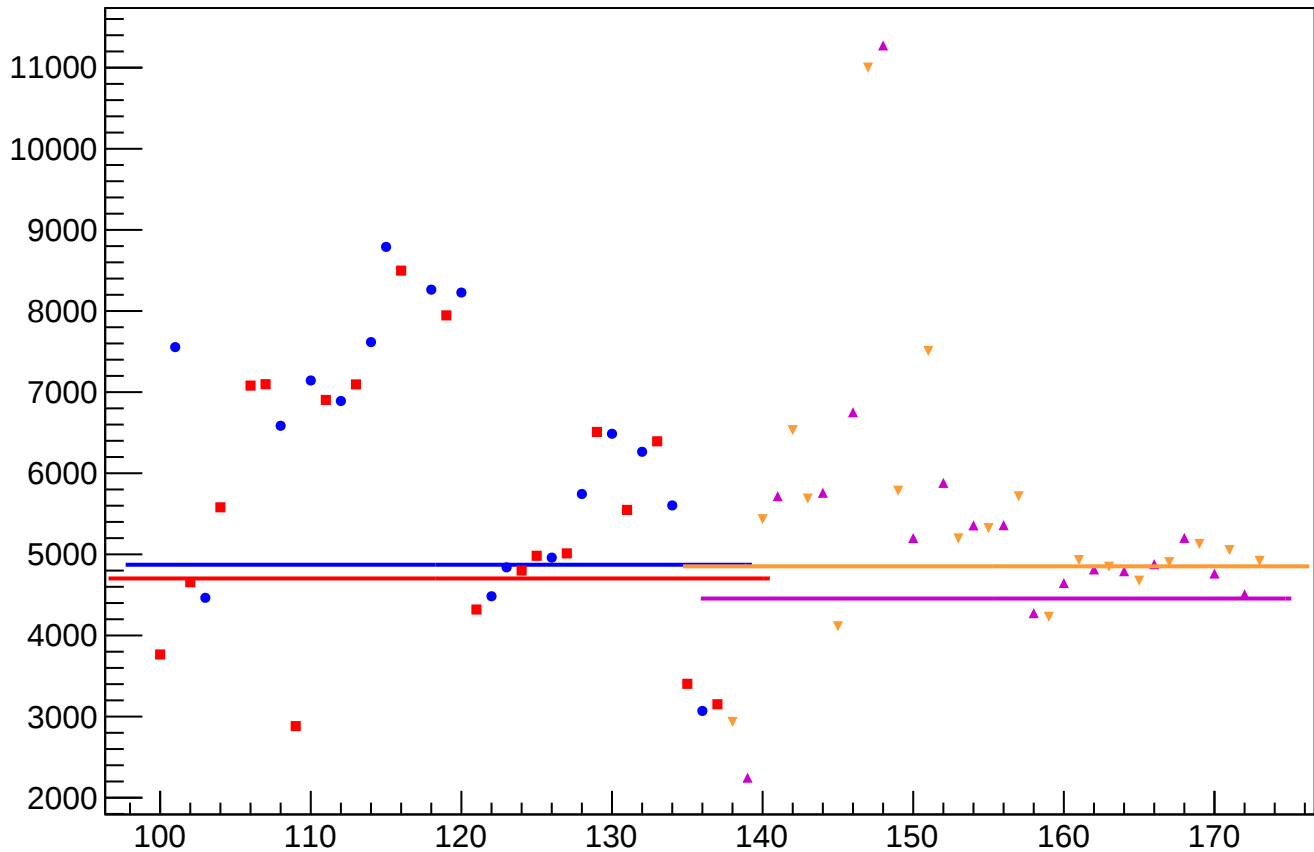
Left In: -0.382 ± 1.304 χ^2/NDF : 29.3/16

+ sign -1.544 ± 1.115 χ^2/NDF : 30.8/35

All: -0.844 ± 0.773 χ^2/NDF : 83.2/71

- sign -0.195 ± 1.074 χ^2/NDF : 51.7/35

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4852.674+/-0.948 χ^2/NDF : 1476565.5/18

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

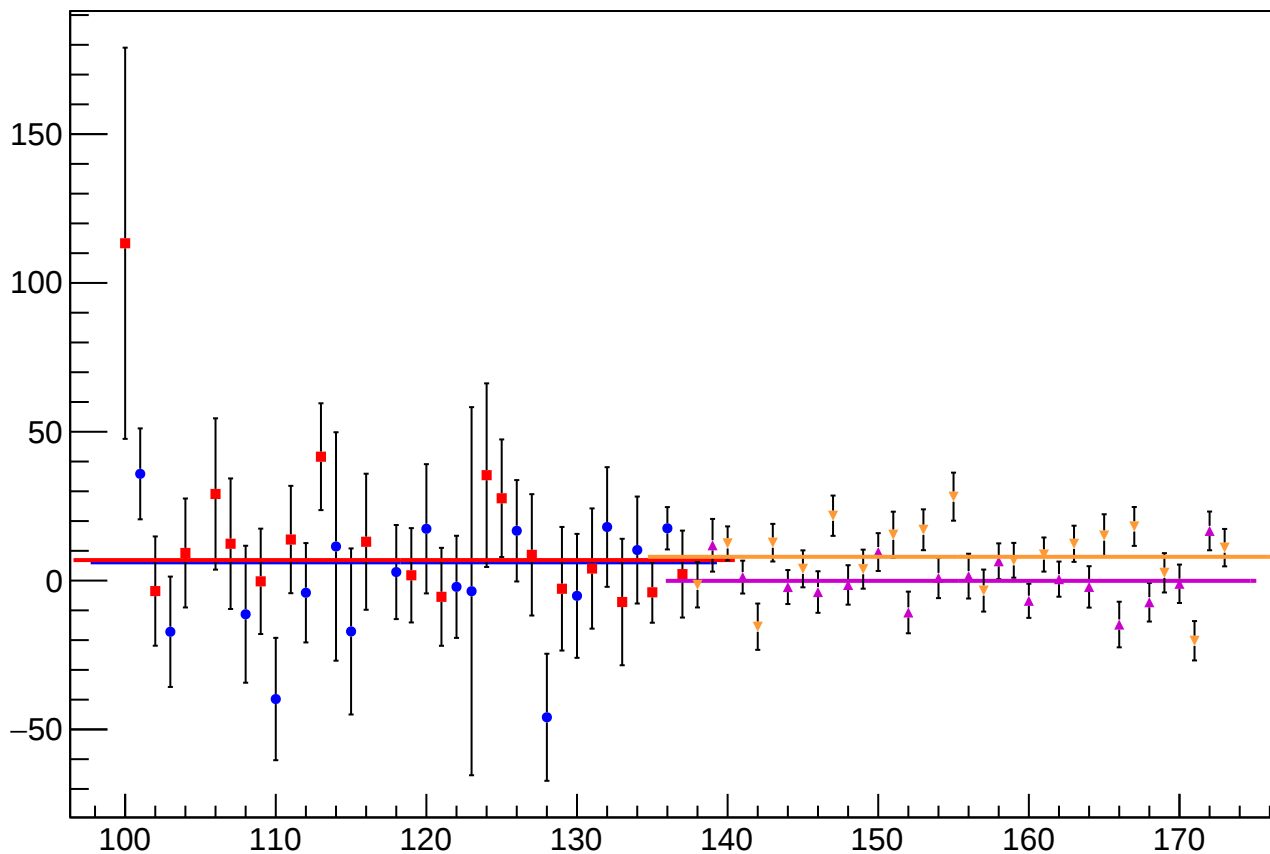
Left In: 4455.474+/-0.922 χ^2/NDF : 2577159.8/16

+ sign 4858.654+/-0.788 χ^2/NDF : 2881948.1/35

All: 4690.769+/-0.547 χ^2/NDF : 6882422.5/71

- sign 4535.111+/-0.759 χ^2/NDF : 3913081.0/35

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 7.991 ± 1.517 χ^2/NDF : 51.4/18

Right Out: 6.892 ± 4.224 χ^2/NDF : 12.5/18

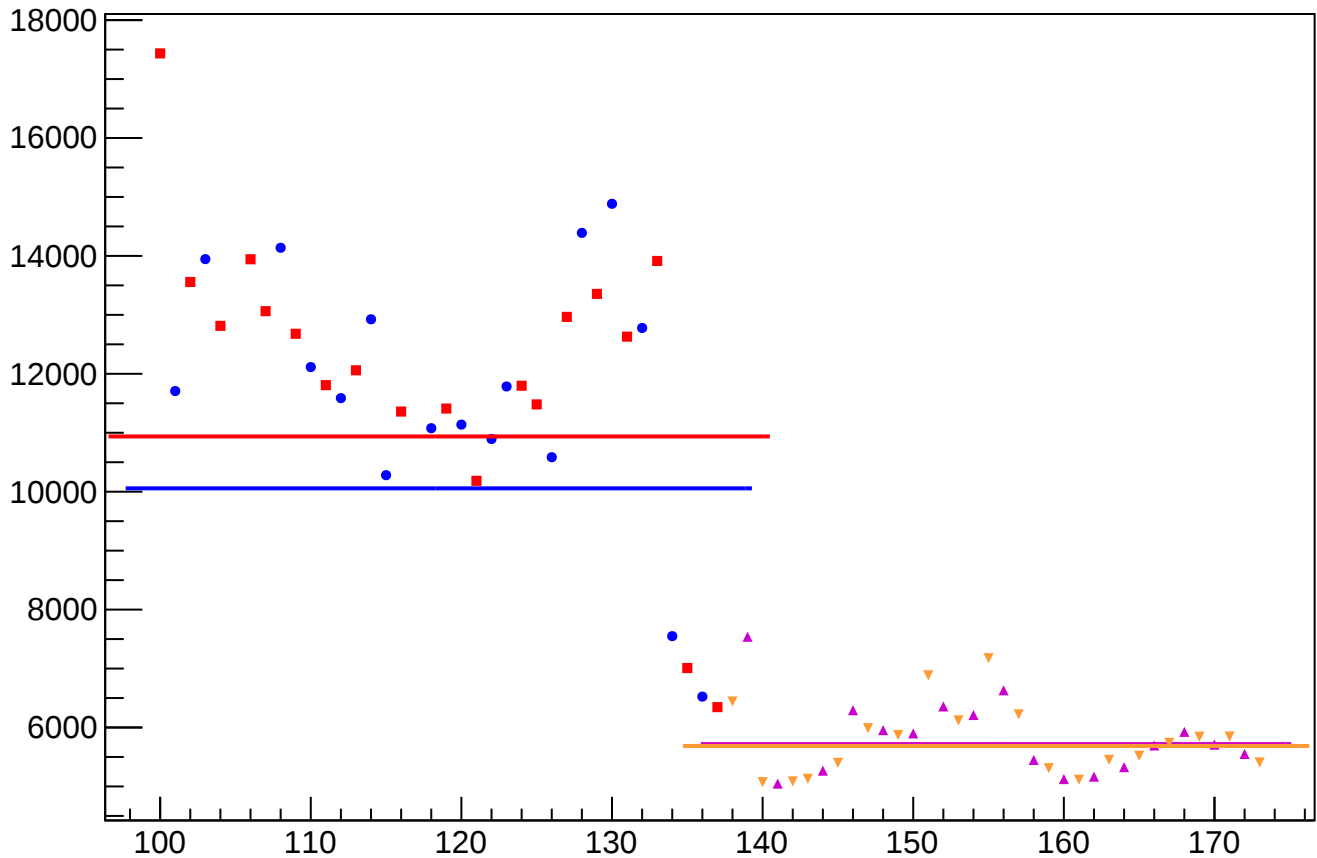
Left In: -0.085 ± 1.581 χ^2/NDF : 21.3/16

+ sign 7.766 ± 1.422 χ^2/NDF : 73.8/35

All: 4.411 ± 1.026 χ^2/NDF : 121.6/71

- sign 0.772 ± 1.481 χ^2/NDF : 36.1/35

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5686.858 $\pm$ 1.073 χ^2 /NDF:254162.2/18

+ sign 6217.462 $\pm$ 1.005 χ^2 /NDF: 3272801.2/35

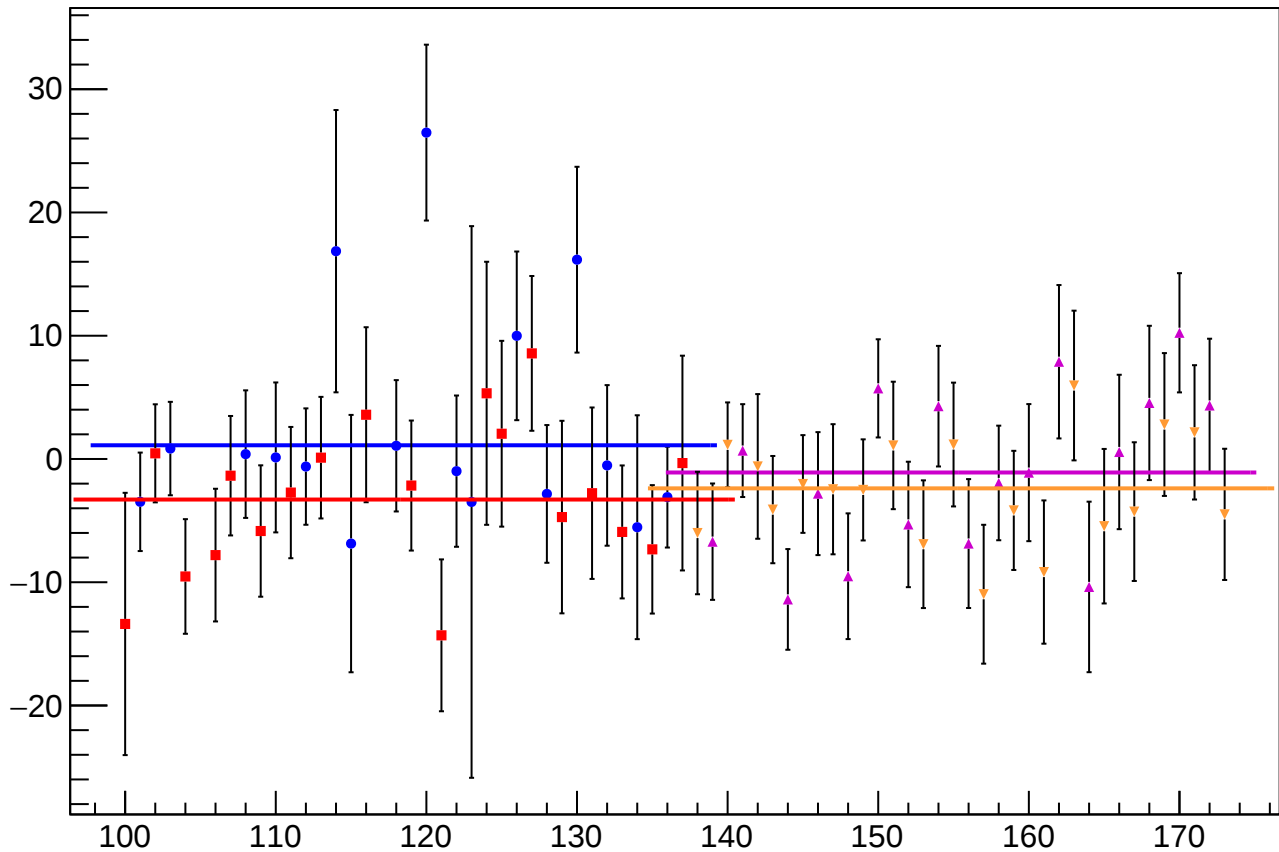
Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

All: 6285.705 $\pm$ 0.725 χ^2 /NDF: 6976534.5/71

Left In: 5718.526 $\pm$ 1.118 χ^2 /NDF:253579.6/16

- sign 6359.724 $\pm$ 1.047 χ^2 /NDF: 3694127.5/35

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.383 ± 1.142 χ^2/NDF : 11.3/18

Right Out: -3.290 ± 1.334 χ^2/NDF : 15.1/18

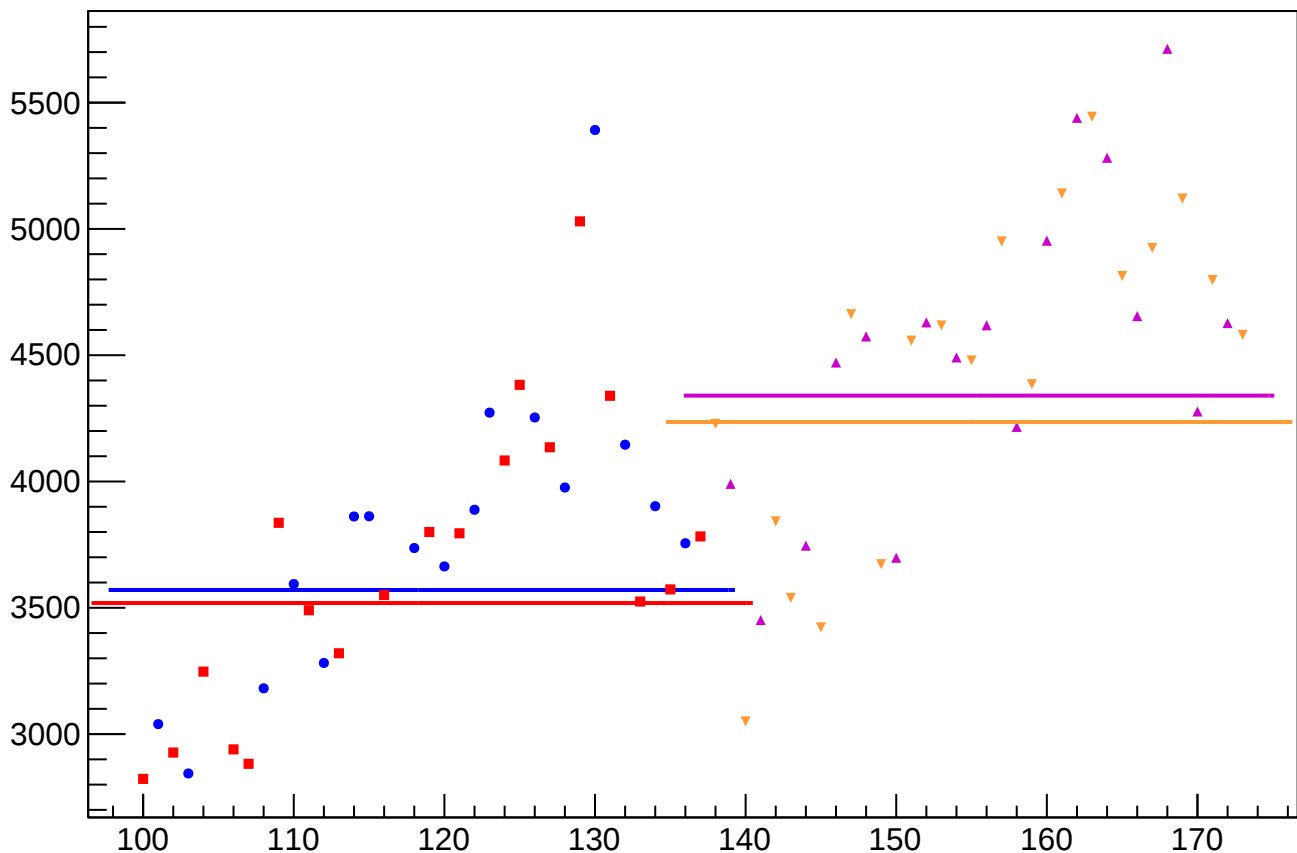
Left In: -1.096 ± 1.206 χ^2/NDF : 28.2/16

+ sign -0.990 ± 0.886 χ^2/NDF : 39.6/35

All: -1.532 ± 0.629 χ^2/NDF : 85.1/71

- sign -2.084 ± 0.895 χ^2/NDF : 44.7/35

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4235.498+/-0.807 χ^2/NDF : 740951.4/18

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

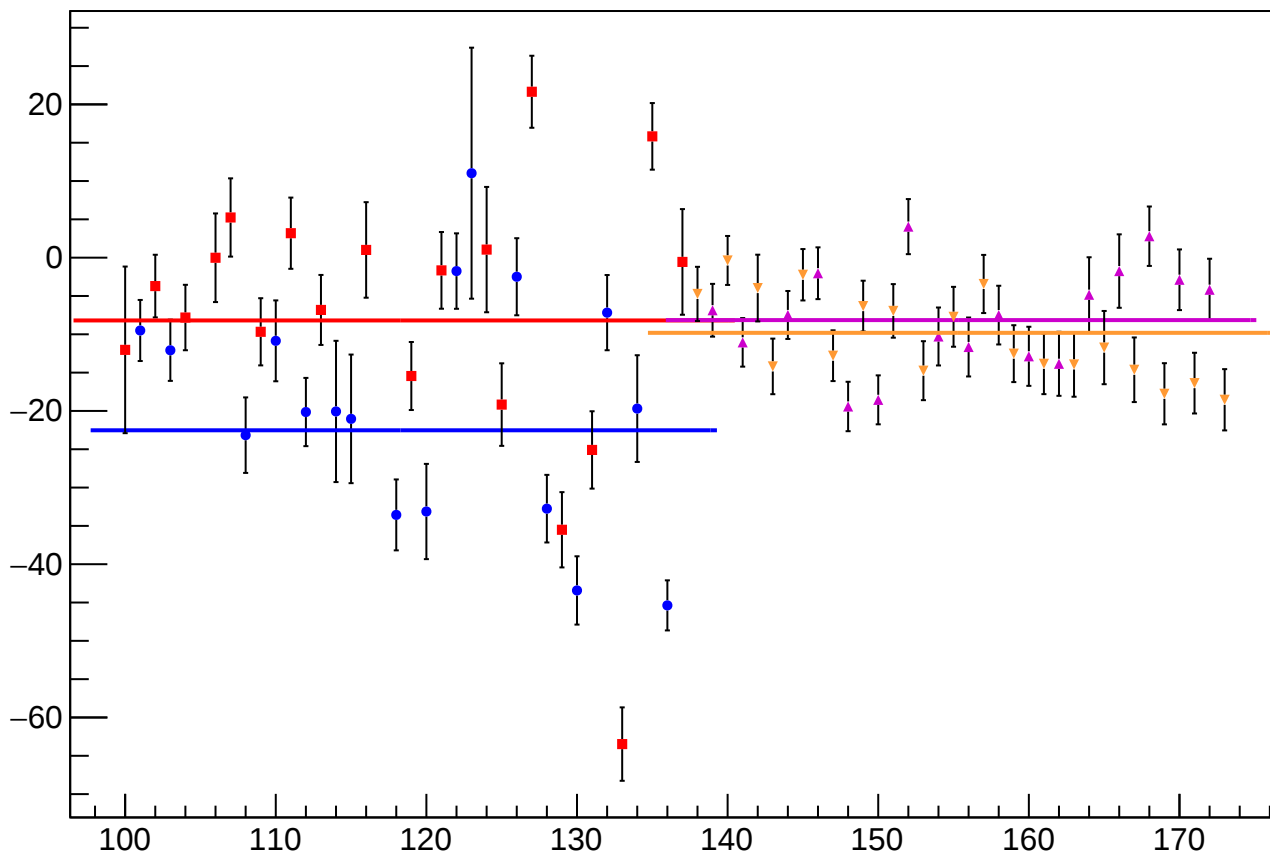
Left In: 4340.047+/-0.853 χ^2/NDF : 468609.8/16

+ sign 3970.475+/-0.626 χ^2/NDF : 1320988.3/35

All: 3970.478+/-0.445 χ^2/NDF : 2500005.7/71

- sign 3970.481+/-0.633 χ^2/NDF : 1179017.4/35

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -9.808 ± 0.863 χ^2/NDF : 42.0/18

Right Out: -8.192 ± 1.157 χ^2/NDF : 275.8/18

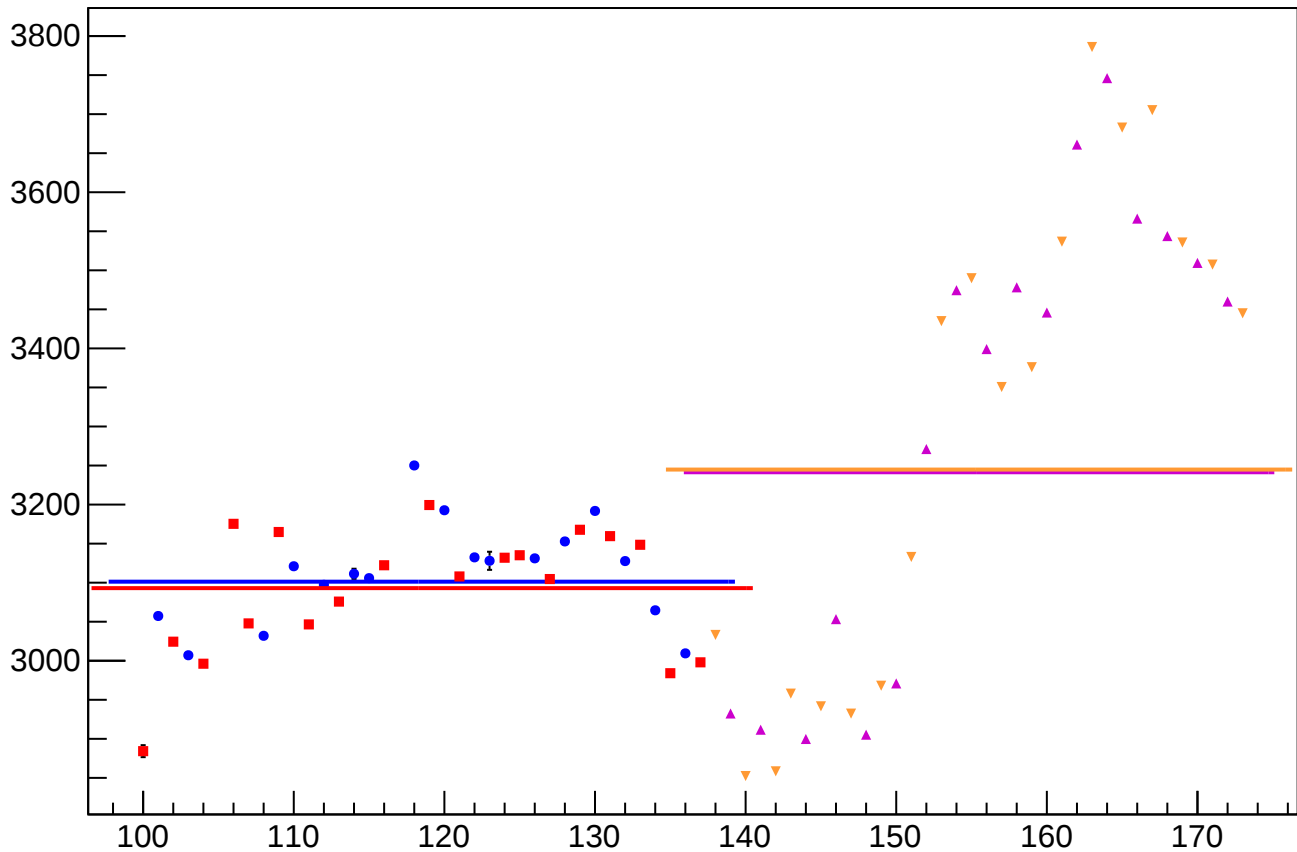
Left In: -8.147 ± 0.894 χ^2/NDF : 56.1/16

+ sign -14.138 ± 0.701 χ^2/NDF : 271.5/35

All: -11.179 ± 0.498 χ^2/NDF : 639.5/71

- sign -8.164 ± 0.707 χ^2/NDF : 332.0/35

diff_bpm0l01X_rms vs Slug



Right In: 3101.270 $\pm$ 0.849 χ^2 /NDF: 7233.8/16

Left Out: 3244.843 $\pm$ 0.610 χ^2 /NDF: 241453.4/18

Right Out: 3092.993 $\pm$ 0.818 χ^2 /NDF: 7766.0/18

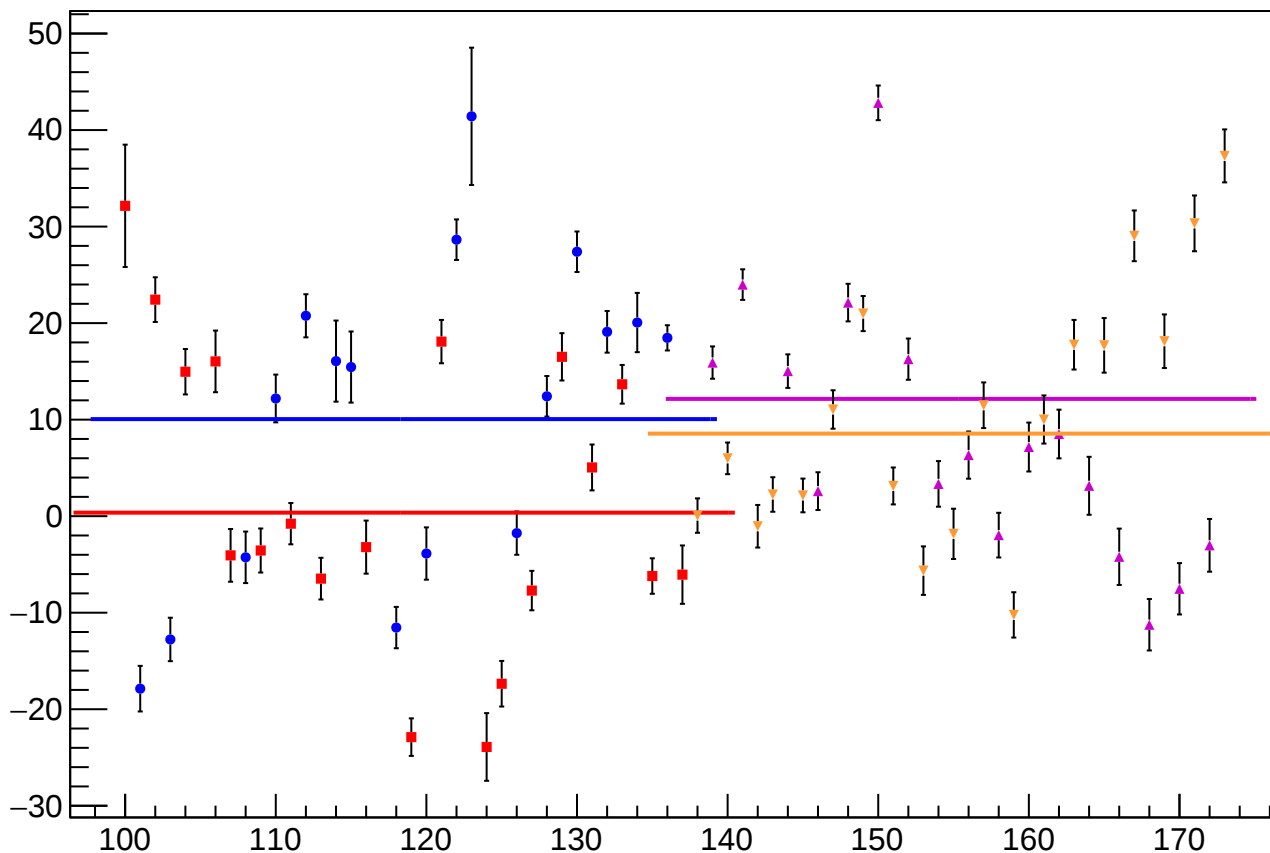
Left In: 3241.398 $\pm$ 0.632 χ^2 /NDF: 206063.5/16

+ sign 3195.958 $\pm$ 0.495 χ^2 /NDF: 267551.8/35

All: 3190.997 $\pm$ 0.352 χ^2 /NDF: 502196.1/71

- sign 3185.940 $\pm$ 0.500 χ^2 /NDF: 234441.7/35

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 8.553 $\pm$ 0.501 χ^2 /NDF: 502.6/18

Right Out: 0.367 $\pm$ 0.547 χ^2 /NDF: 629.8/18

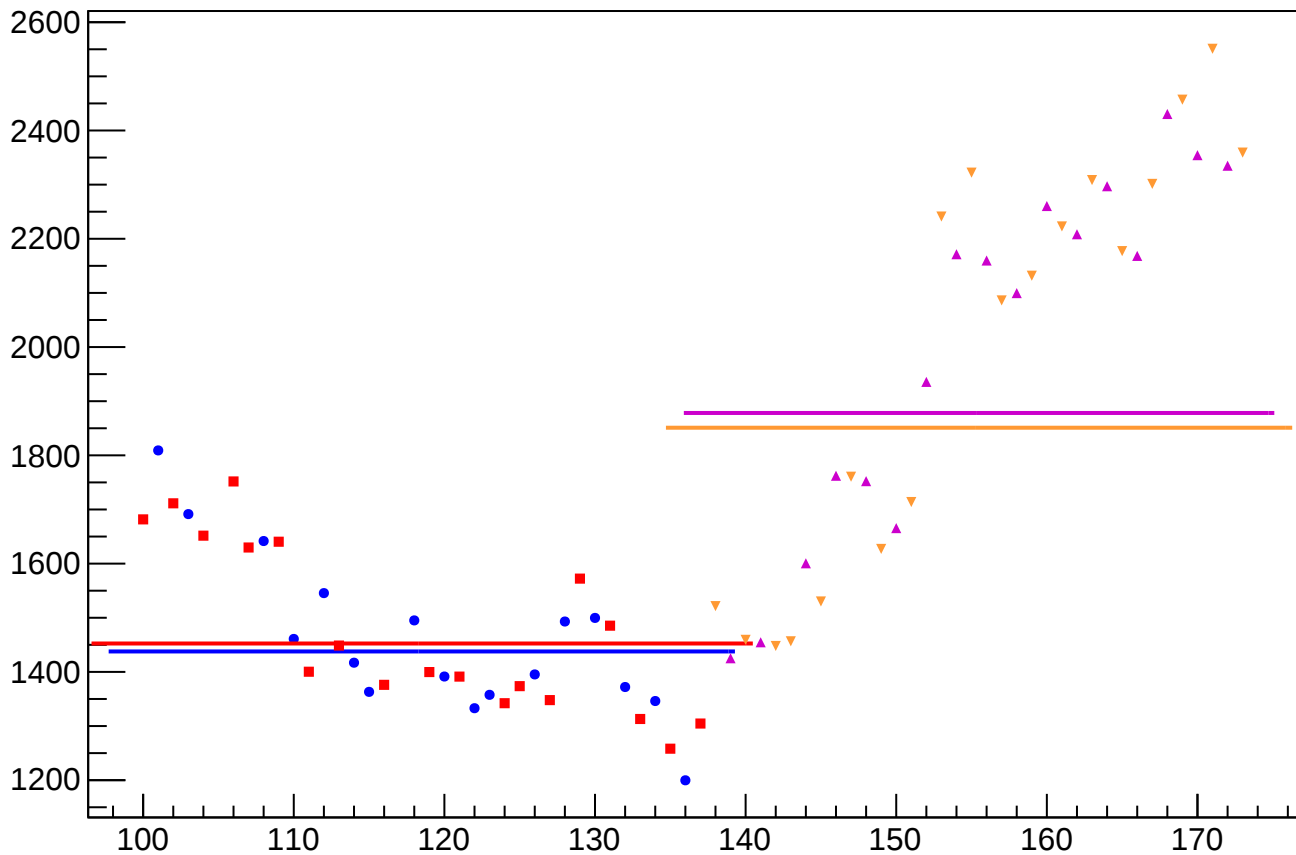
Left In: 12.150 $\pm$ 0.525 χ^2 /NDF: 675.0/16

+ sign 9.218 $\pm$ 0.374 χ^2 /NDF: 1198.9/35

All: 7.878 $\pm$ 0.266 χ^2 /NDF: 2771.3/71

- sign 6.502 $\pm$ 0.379 χ^2 /NDF: 1546.4/35

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776+/-0.397 χ^2/NDF : 173216.2/16

Left Out: 1851.013+/-0.354 χ^2/NDF : 1095220.4/18

Right Out: 1452.469+/-0.387 χ^2/NDF : 138605.8/18

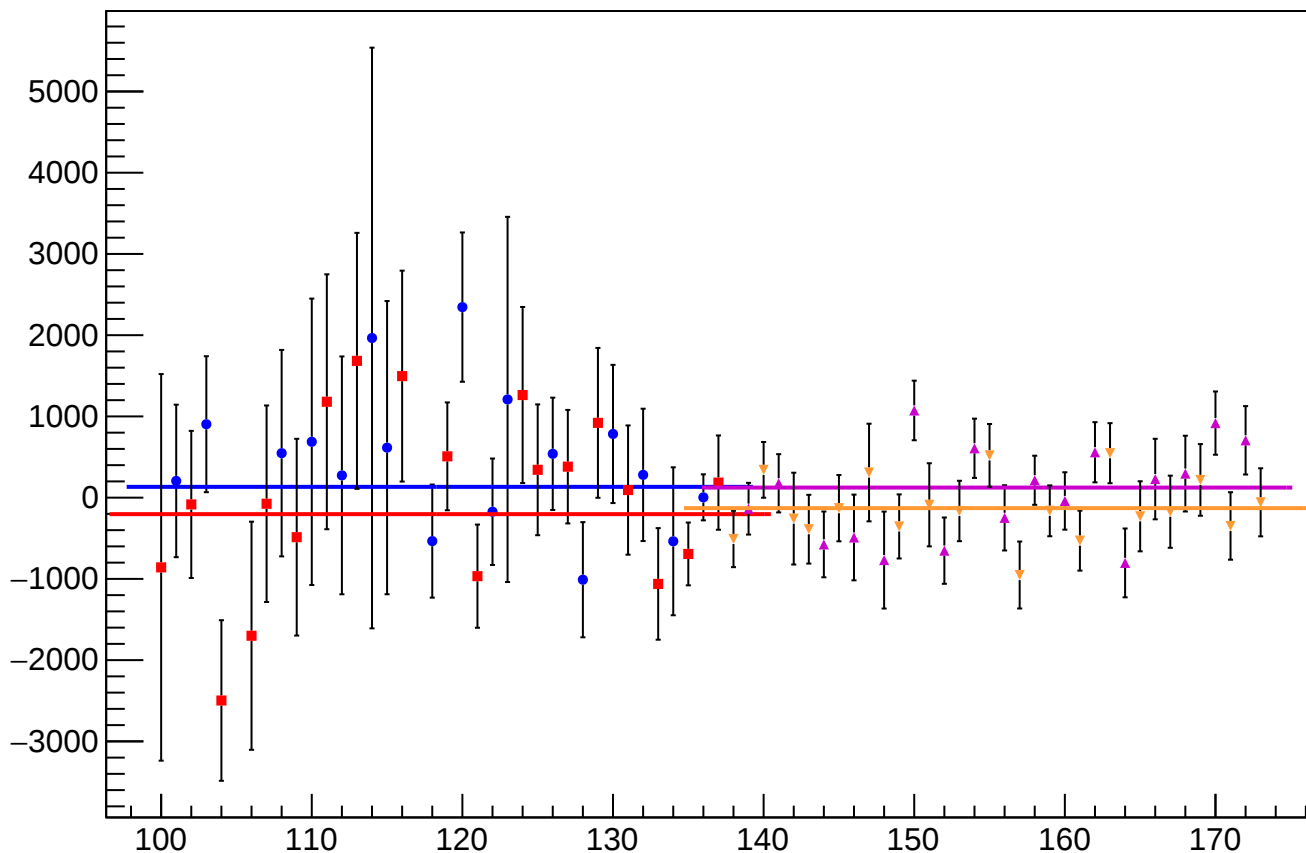
Left In: 1878.258+/-0.371 χ^2/NDF : 805086.7/16

+ sign 1668.076+/-0.264 χ^2/NDF : 1871825.3/35

All: 1671.079+/-0.188 χ^2/NDF : 3446682.6/71

- sign 1674.164+/-0.268 χ^2/NDF : 1574595.5/35

asym_sam1_mean vs Slug



Right In: 132.921 ± 180.271 χ^2/NDF : 12.9/16

Left Out: -128.980 ± 92.729 χ^2/NDF : 16.7/18

Right Out: -203.062 ± 184.353 χ^2/NDF : 21.4/18

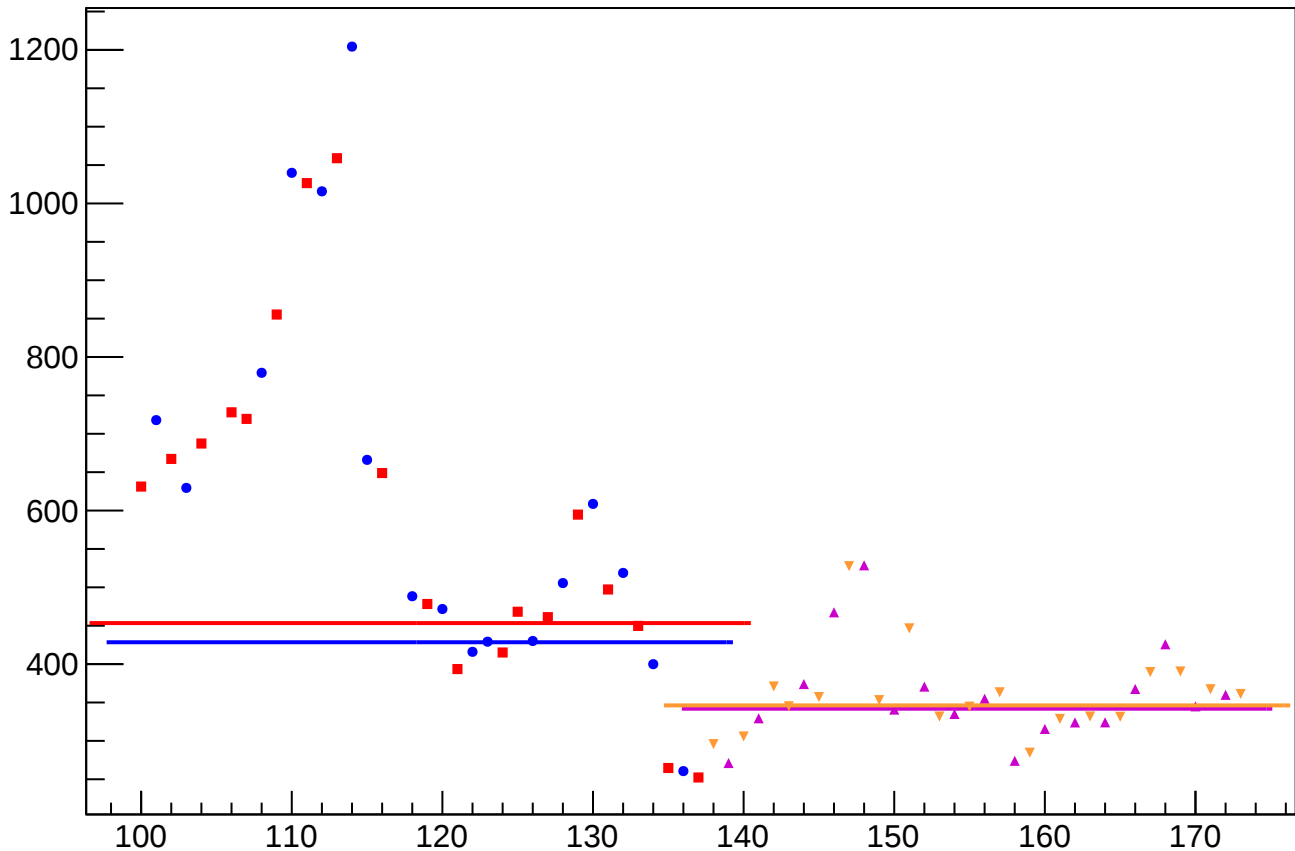
Left In: 124.005 ± 95.342 χ^2/NDF : 32.9/16

+ sign -74.181 ± 82.459 χ^2/NDF : 31.3/35

All: -11.319 ± 59.079 χ^2/NDF : 89.3/71

- sign 54.986 ± 84.687 χ^2/NDF : 56.8/35

asym_sam1_rms vs Slug



Right In: 428.460 ± 0.127 χ^2/NDF : 2011453.8/16

Left Out: 346.212 ± 0.066 χ^2/NDF : 475728.4/18

Right Out: 453.435 ± 0.130 χ^2/NDF : 2029813.8/18

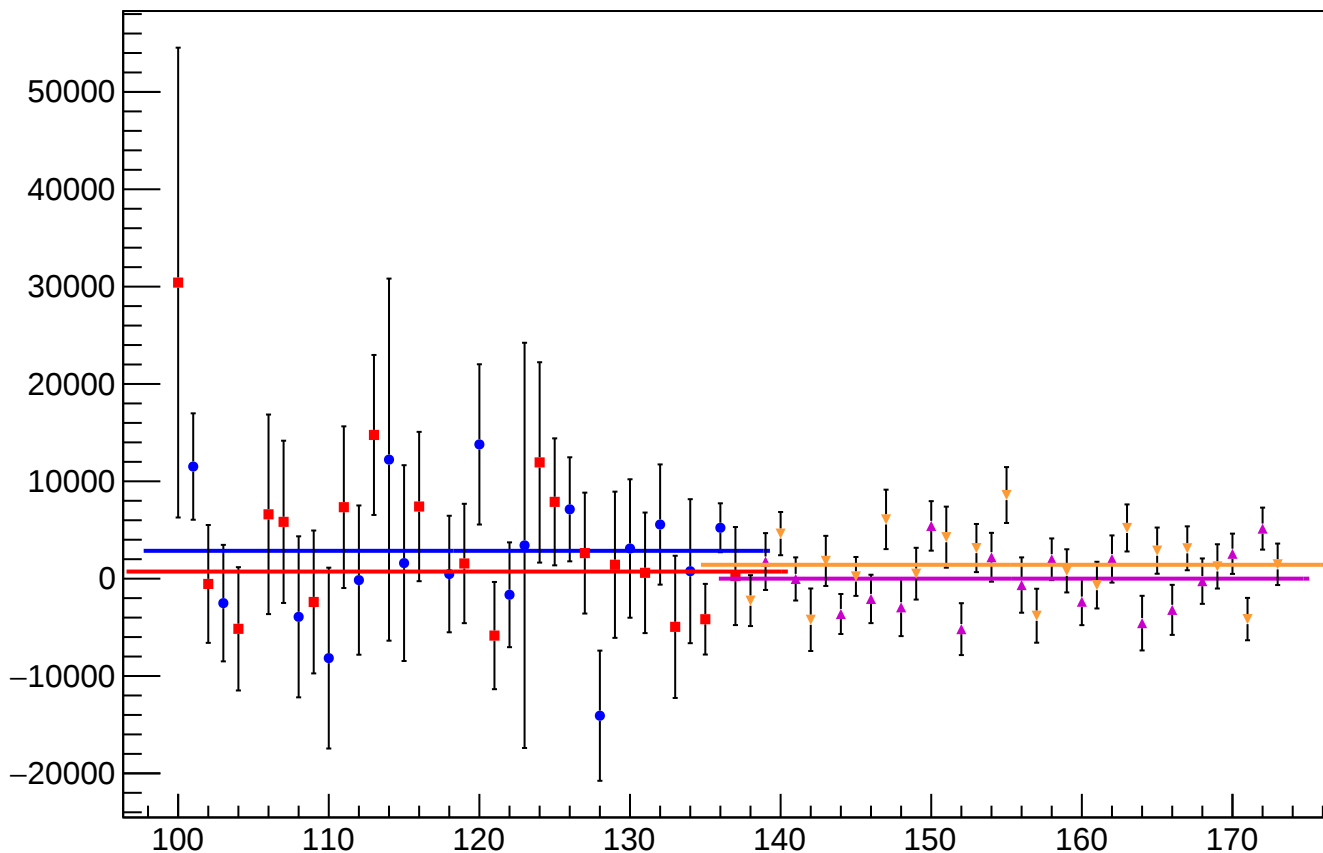
Left In: 341.914 ± 0.067 χ^2/NDF : 629689.1/16

+ sign 363.421 ± 0.058 χ^2/NDF : 2816402.1/35

All: 364.407 ± 0.042 χ^2/NDF : 6053939.6/71

- sign 365.447 ± 0.060 χ^2/NDF : 3236949.6/35

asym_sam2_mean vs Slug



Right In: 2859.622 $\pm$ 1447.884 χ^2/NDF : 16.7/16

Left Out: 1426.102 $\pm$ 562.479 χ^2/NDF : 31.9/18

Right Out: 729.571 $\pm$ 1509.224 χ^2/NDF : 14.0/18

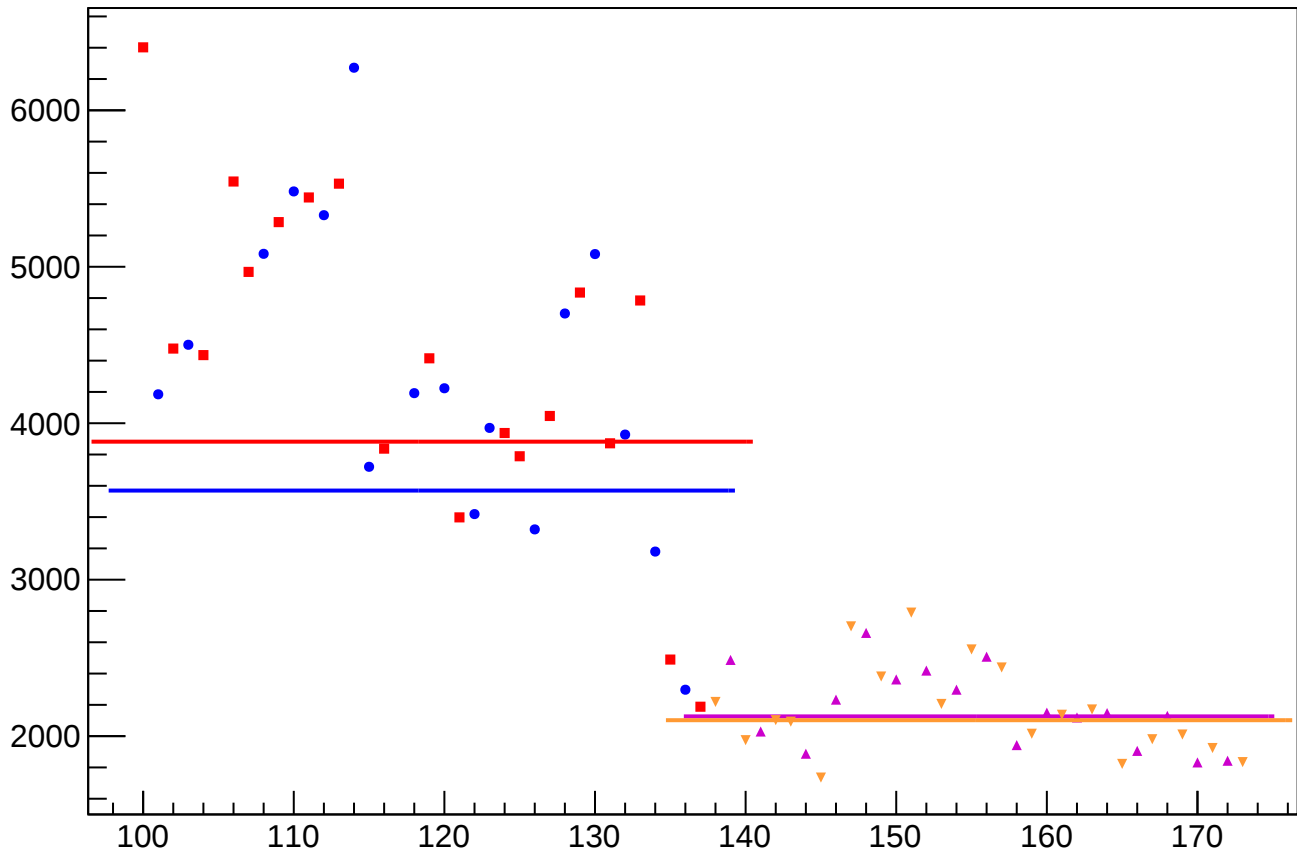
Left In: 1.320 $\pm$ 588.864 χ^2/NDF : 28.3/16

+ sign 1614.079 $\pm$ 524.304 χ^2/NDF : 49.4/35

All: 890.112 $\pm$ 379.032 χ^2/NDF : 95.9/71

- sign 97.539 $\pm$ 548.585 χ^2/NDF : 42.5/35

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2101.876+/-0.398 χ^2/NDF : 442971.7/18

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

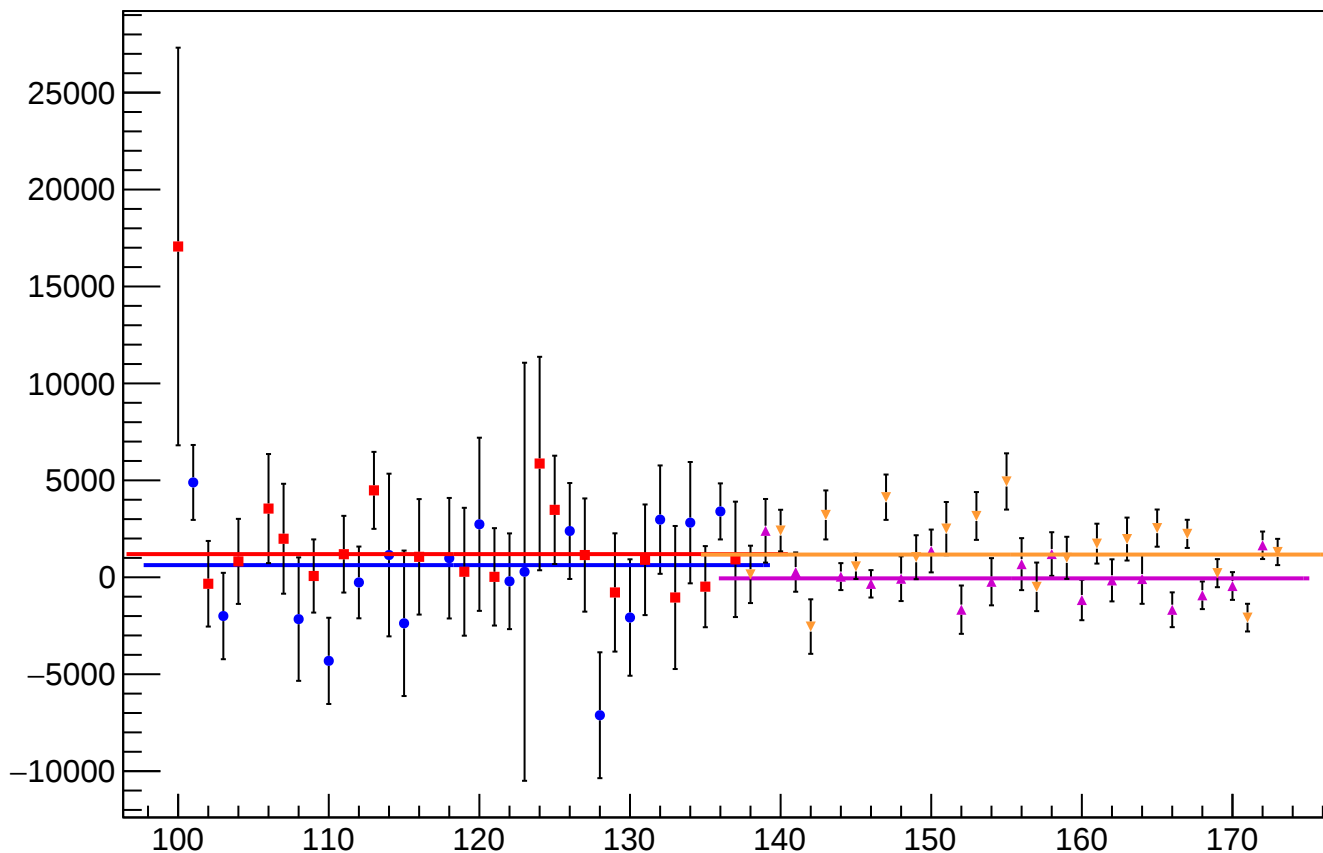
Left In: 2126.253+/-0.416 χ^2/NDF : 321508.2/16

+ sign 2294.342+/-0.371 χ^2/NDF : 3316675.1/35

All: 2324.851+/-0.268 χ^2/NDF : 6985022.0/71

- sign 2358.251+/-0.388 χ^2/NDF : 3654161.0/35

asym_sam3_mean vs Slug



Right In: 627.655 $\pm$ 620.929 χ^2/NDF : 25.1/16

Left Out: 1172.750 $\pm$ 222.101 χ^2/NDF : 58.3/18

Right Out: 1195.385 $\pm$ 603.058 χ^2/NDF : 9.9/18

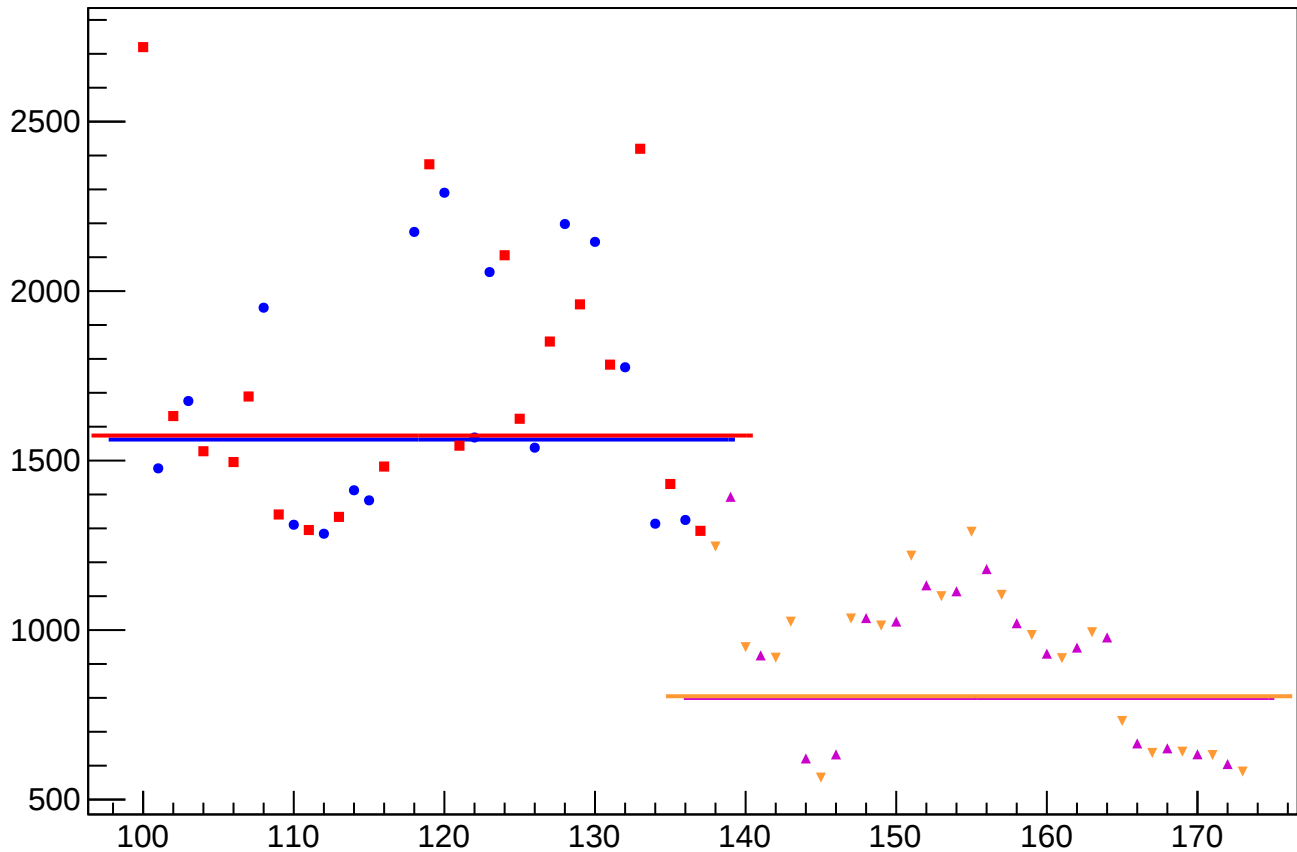
Left In: -55.299 $\pm$ 228.356 χ^2/NDF : 19.4/16

+ sign 1110.919 $\pm$ 209.125 χ^2/NDF : 84.1/35

All: 616.815 $\pm$ 149.416 χ^2/NDF : 128.6/71

- sign 101.542 $\pm$ 213.558 χ^2/NDF : 33.1/35

asym_sam3_rms vs Slug



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 804.792 $\pm$ 0.157 χ^2 /NDF: 2031164.9/18

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

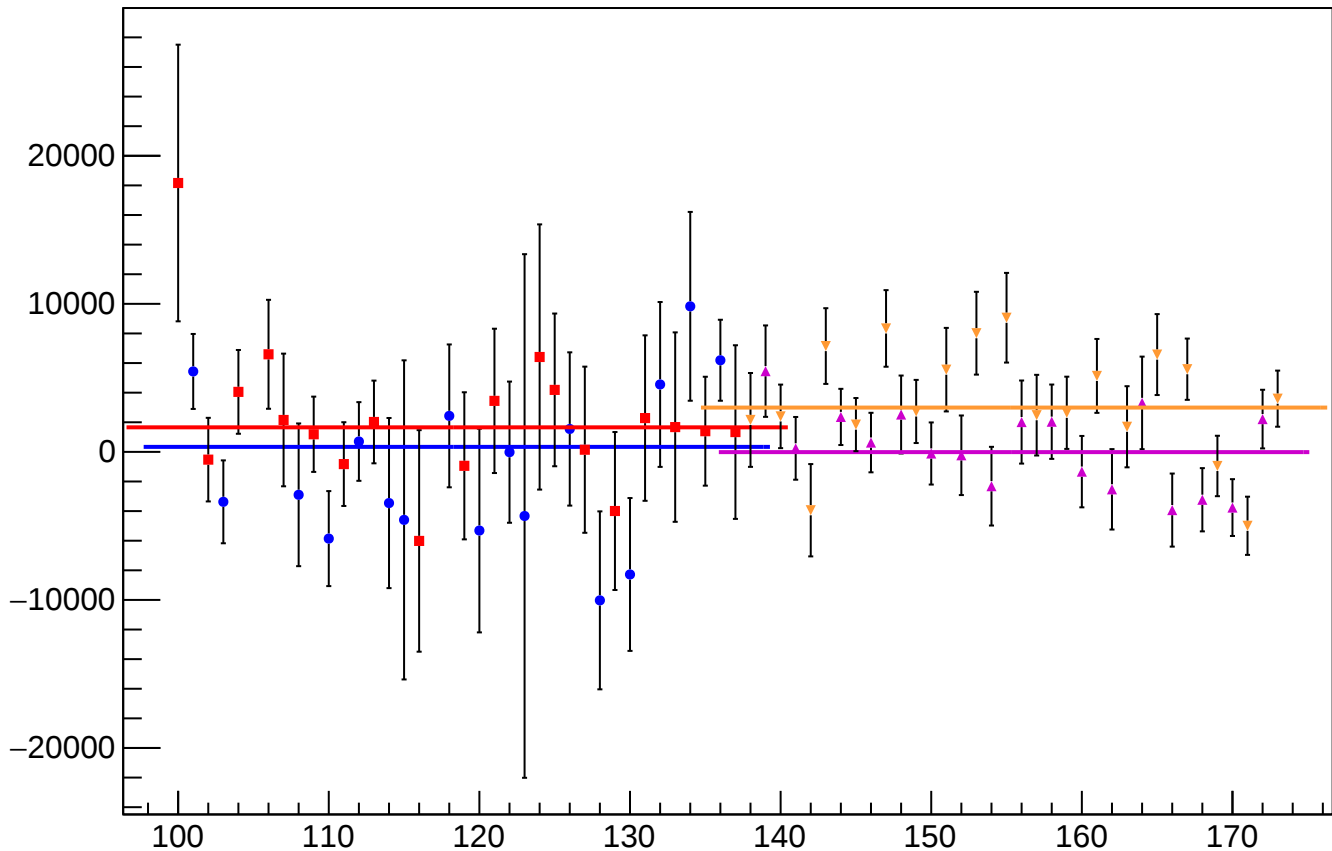
Left In: 799.773 $\pm$ 0.161 χ^2 /NDF: 1713544.7/16

+ sign 890.694 $\pm$ 0.148 χ^2 /NDF: 5150830.6/35

All: 893.709 $\pm$ 0.106 χ^2 /NDF: 10211592.4/71

- sign 896.853 $\pm$ 0.151 χ^2 /NDF: 5059912.5/35

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 2993.293 ± 545.937 χ^2/NDF : 45.1/18

Right Out: 1658.069 ± 924.453 χ^2/NDF : 10.3/18

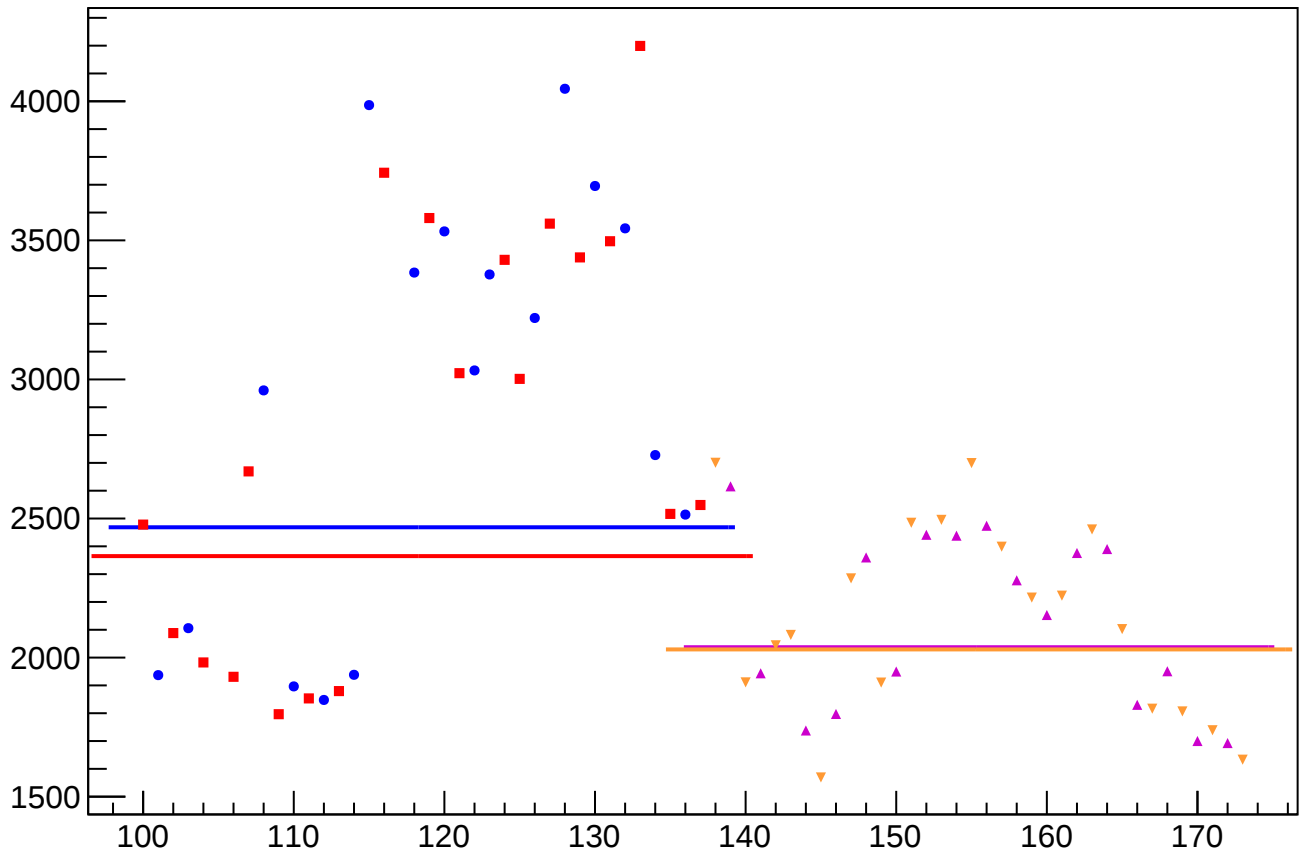
Left In: -16.027 ± 567.081 χ^2/NDF : 19.9/16

+ sign 2379.710 ± 478.719 χ^2/NDF : 75.4/35

All: 1420.090 ± 340.142 χ^2/NDF : 116.0/71

- sign 441.684 ± 483.382 χ^2/NDF : 32.5/35

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2029.369+/-0.386 χ^2/NDF : 746802.7/18

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

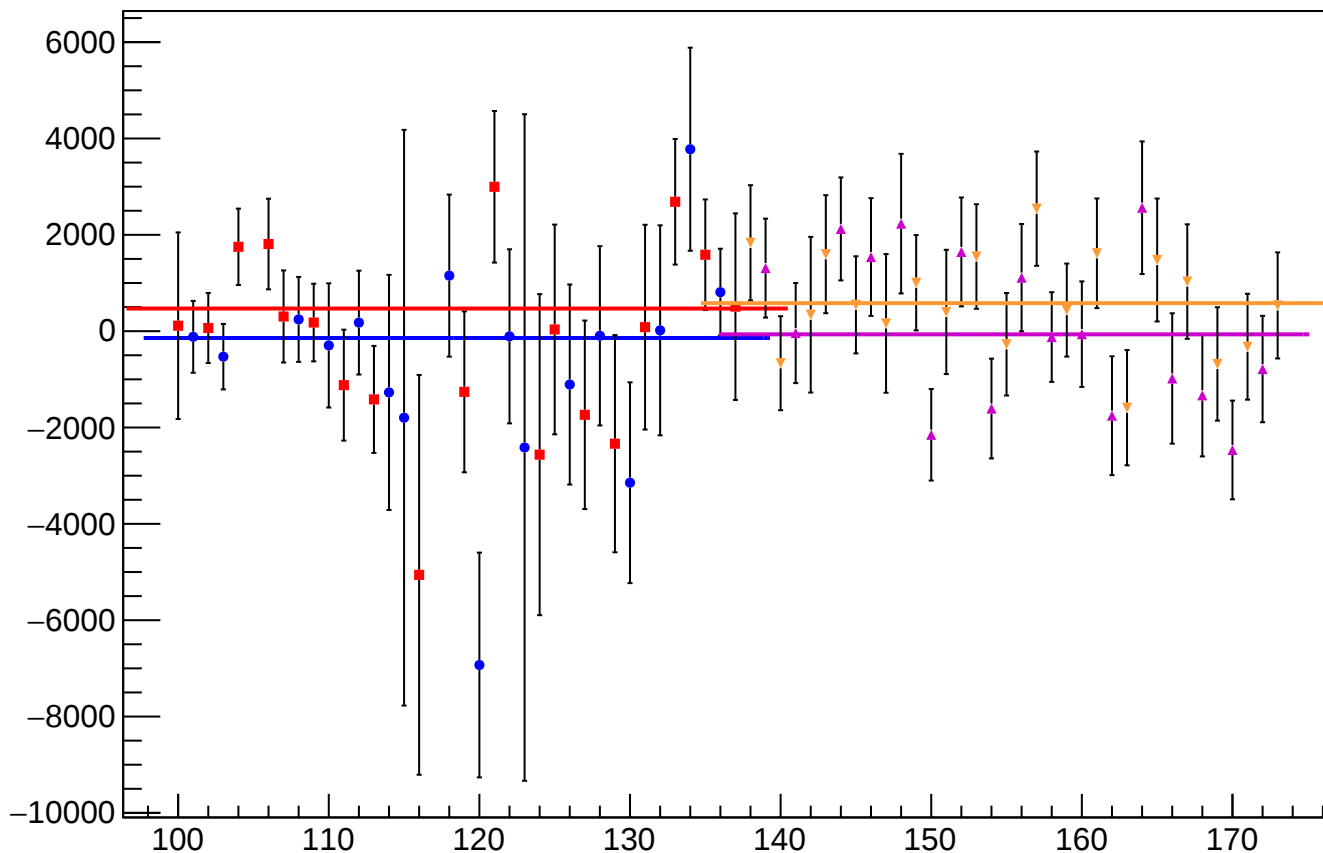
Left In: 2037.284+/-0.401 χ^2/NDF : 544325.7/16

+ sign 2130.845+/-0.339 χ^2/NDF : 1941970.5/35

All: 2128.861+/-0.241 χ^2/NDF : 3693960.2/71

- sign 2126.838+/-0.342 χ^2/NDF : 1751920.4/35

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 581.364+/-261.979 χ^2/NDF : 14.5/18

Right Out: 470.143+/-282.892 χ^2/NDF : 22.9/18

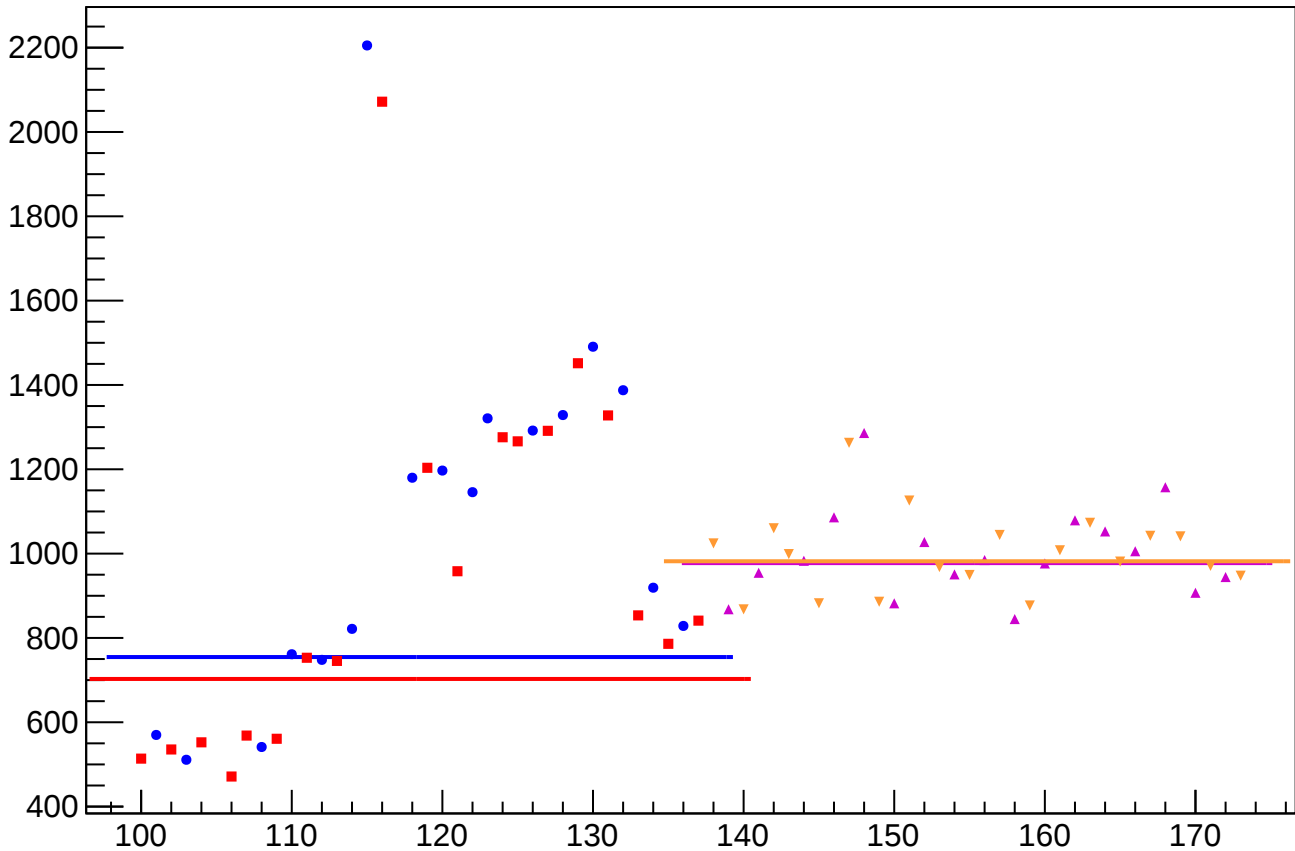
Left In: -65.652+/-270.797 χ^2/NDF : 33.6/16

+ sign 284.049+/-200.980 χ^2/NDF : 34.6/35

All: 236.034+/-140.180 χ^2/NDF : 93.1/71

- sign 190.546+/-195.619 χ^2/NDF : 58.4/35

asym_sam5_rms vs Slug



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 981.873 $\pm$ 0.185 χ^2 /NDF: 230749.7/18

+ sign 888.392 $\pm$ 0.142 χ^2 /NDF: 2540246.7/35

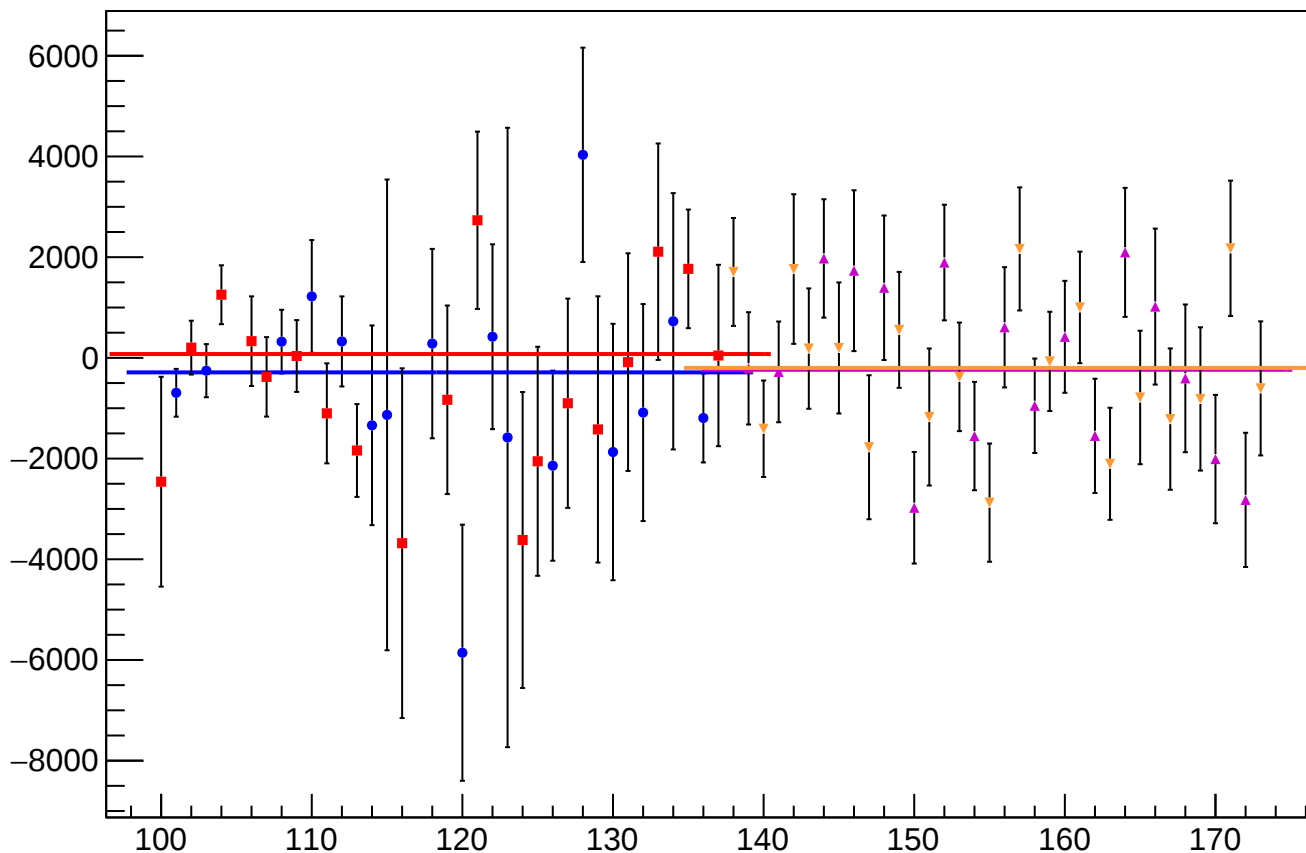
Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

All: 866.670 $\pm$ 0.099 χ^2 /NDF: 5529948.5/71

- sign 846.092 $\pm$ 0.138 χ^2 /NDF: 2944206.2/35

Left In: 977.464 $\pm$ 0.191 χ^2 /NDF: 268198.4/16

asym_sam6_mean vs Slug



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -199.236+/-276.468 χ^2/NDF : 26.1/18

Right Out: 76.119+/-246.083 χ^2/NDF : 21.4/18

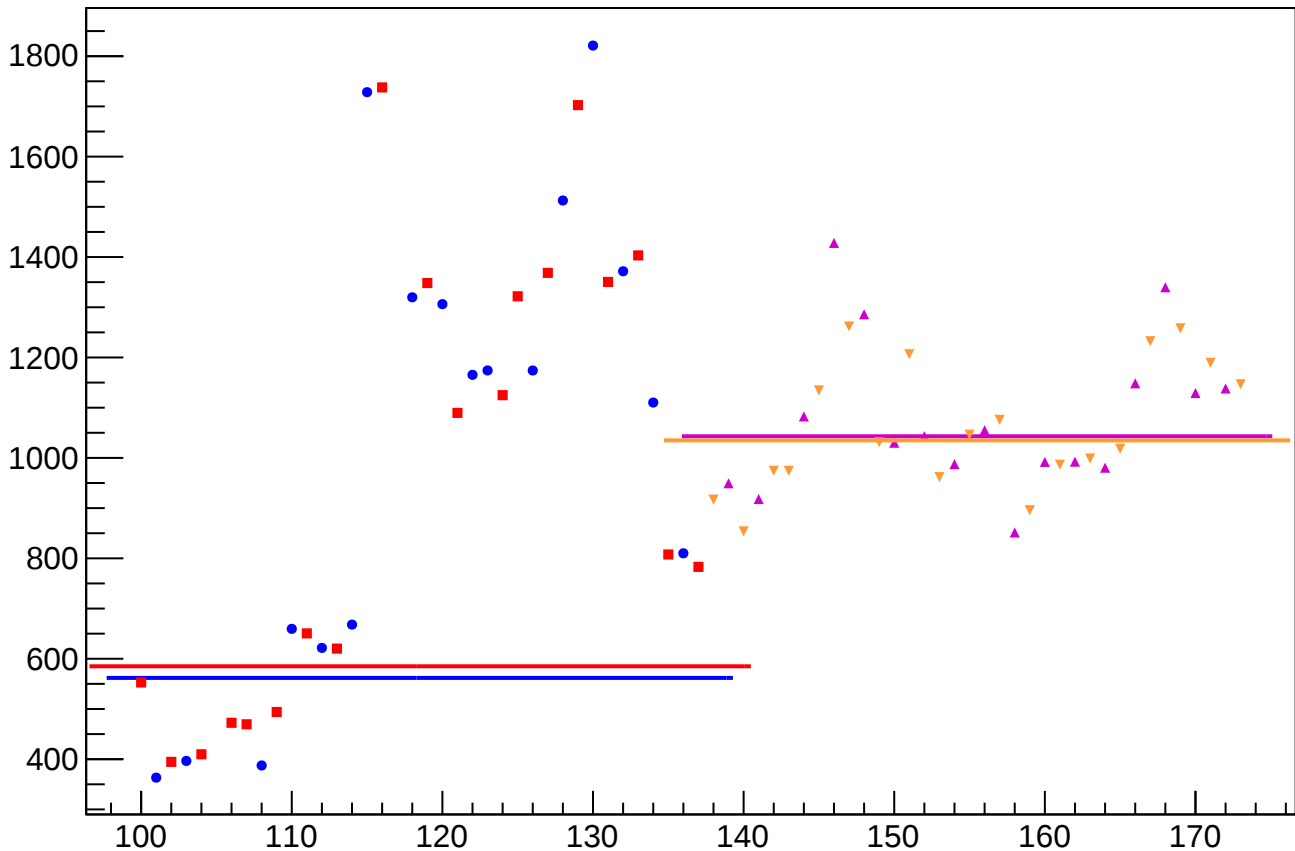
Left In: -236.423+/-289.467 χ^2/NDF : 29.8/16

+ sign -248.013+/-185.607 χ^2/NDF : 42.3/35

All: -152.479+/-131.904 χ^2/NDF : 94.7/71

- sign -54.999+/-187.489 χ^2/NDF : 51.9/35

asym_sam6_rms vs Slug



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1034.899 $\pm$ 0.195 χ^2 /NDF:385031.6/18

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

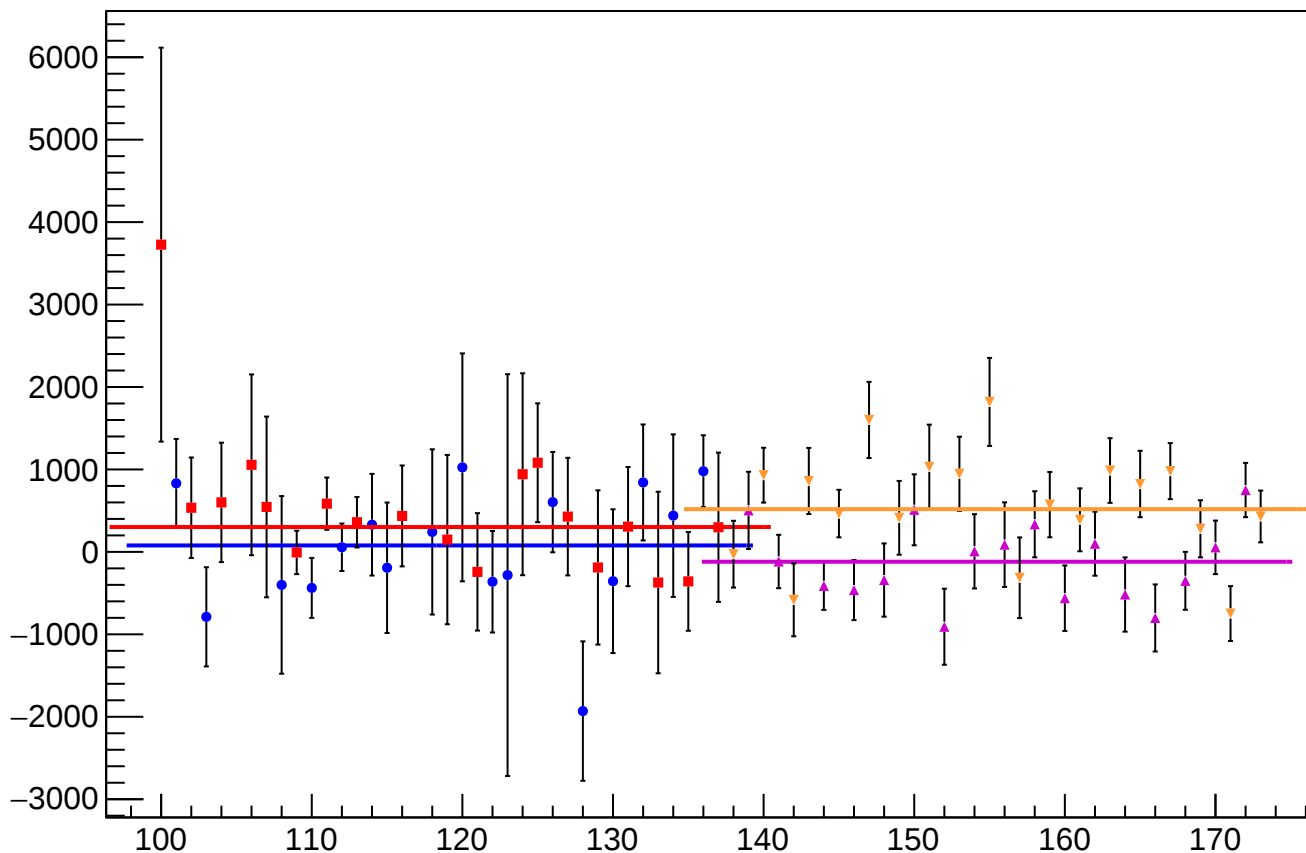
Left In: 1043.070 $\pm$ 0.205 χ^2 /NDF:433634.0/16

+ sign 775.084 $\pm$ 0.131 χ^2 /NDF: 6817343.7/35

All: 776.114 $\pm$ 0.093 χ^2 /NDF: 12982895.6/73

- sign 777.165 $\pm$ 0.133 χ^2 /NDF: 6165427.4/35

asym_sam7_mean vs Slug



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 518.389 ± 88.836 χ^2/NDF : 45.6/18

Right Out: 301.651 ± 129.650 χ^2/NDF : 9.1/18

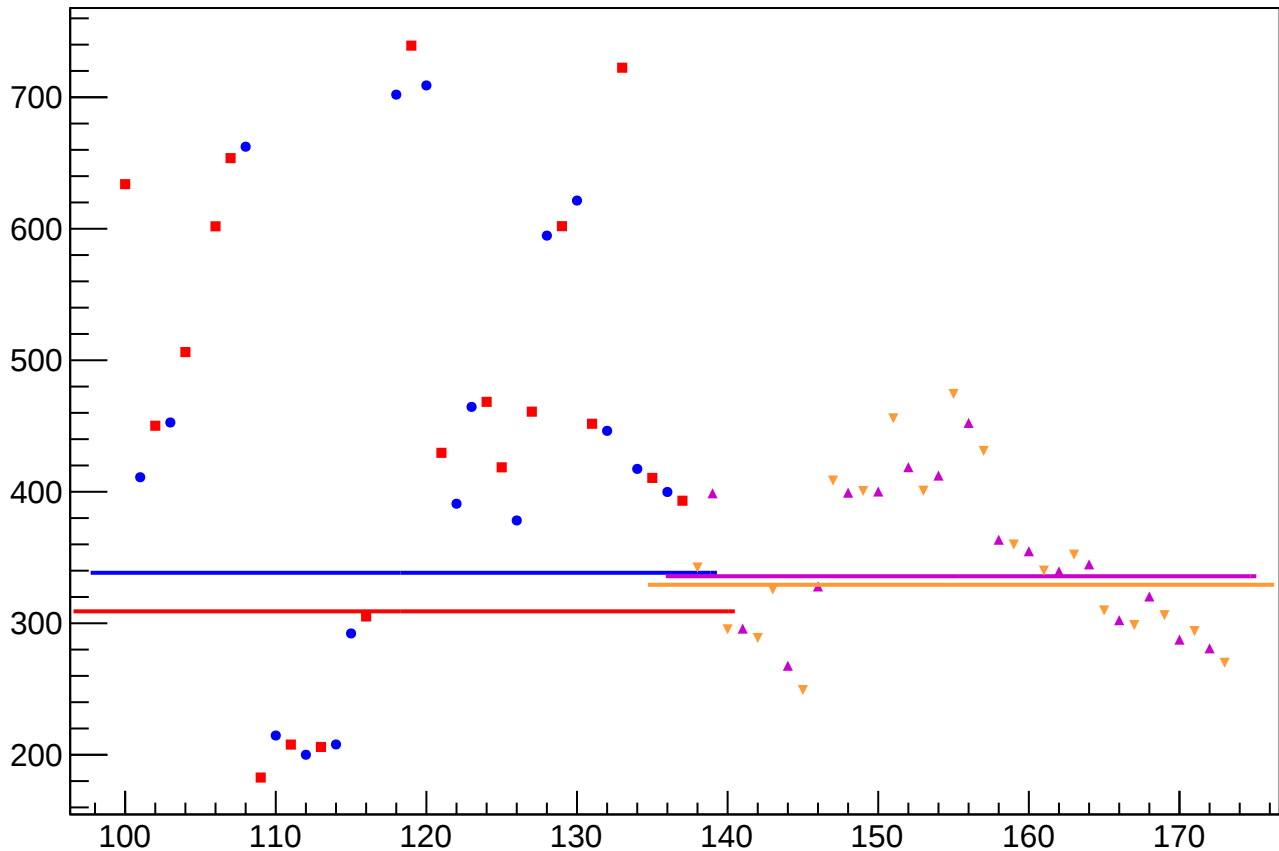
Left In: -119.328 ± 93.534 χ^2/NDF : 23.4/16

+ sign 395.648 ± 75.441 χ^2/NDF : 72.2/35

All: 211.226 ± 53.490 χ^2/NDF : 123.6/71

- sign -24.777 ± 75.854 χ^2/NDF : 39.4/35

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 329.284 $\pm$ 0.063 χ^2 /NDF: 855090.8/18

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

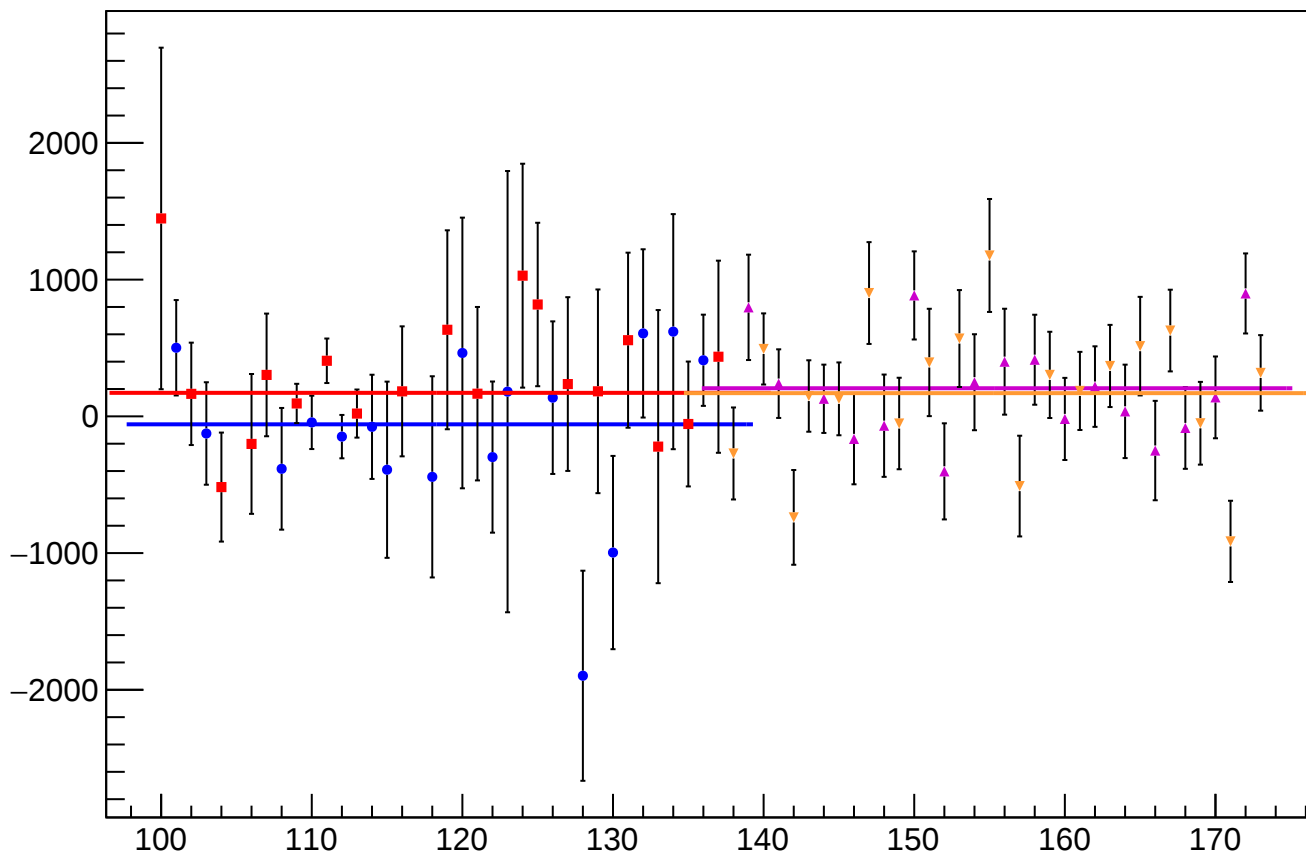
Left In: 335.777 $\pm$ 0.066 χ^2 /NDF: 620078.7/16

+ sign 331.828 $\pm$ 0.053 χ^2 /NDF: 2870260.4/35

All: 329.247 $\pm$ 0.038 χ^2 /NDF: 6284280.2/71

- sign 326.639 $\pm$ 0.054 χ^2 /NDF: 3409315.1/35

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 169.759 ± 72.141 χ^2/NDF : 43.4/18

Right Out: 171.954 ± 76.920 χ^2/NDF : 11.3/18

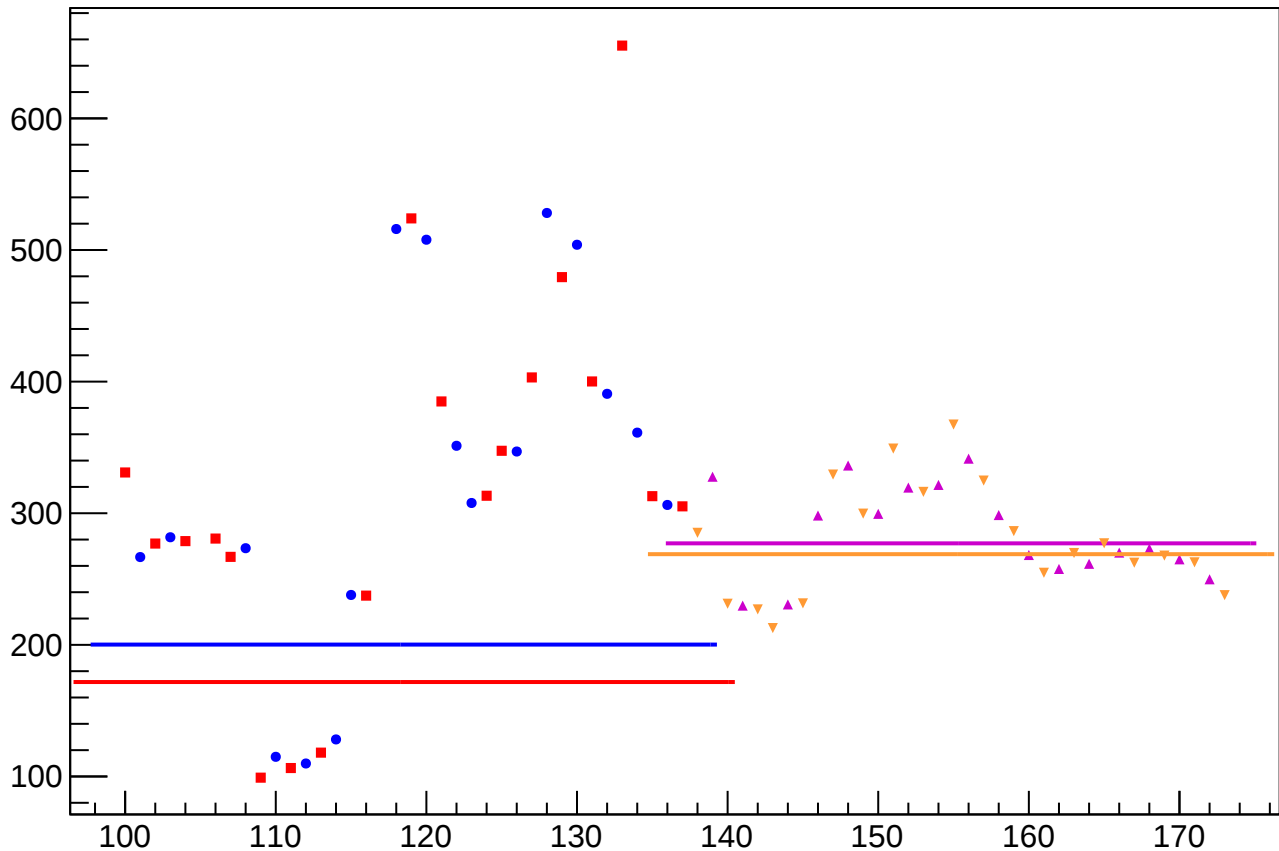
Left In: 205.606 ± 76.839 χ^2/NDF : 21.3/16

+ sign 81.131 ± 56.407 χ^2/NDF : 63.2/35

All: 136.952 ± 39.143 χ^2/NDF : 97.9/71

- sign 188.798 ± 54.362 χ^2/NDF : 32.8/35

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 268.901+/-0.051 χ^2/NDF : 595731.4/18

Right Out: 171.757+/-0.054 χ^2/NDF : 4093922.6/18

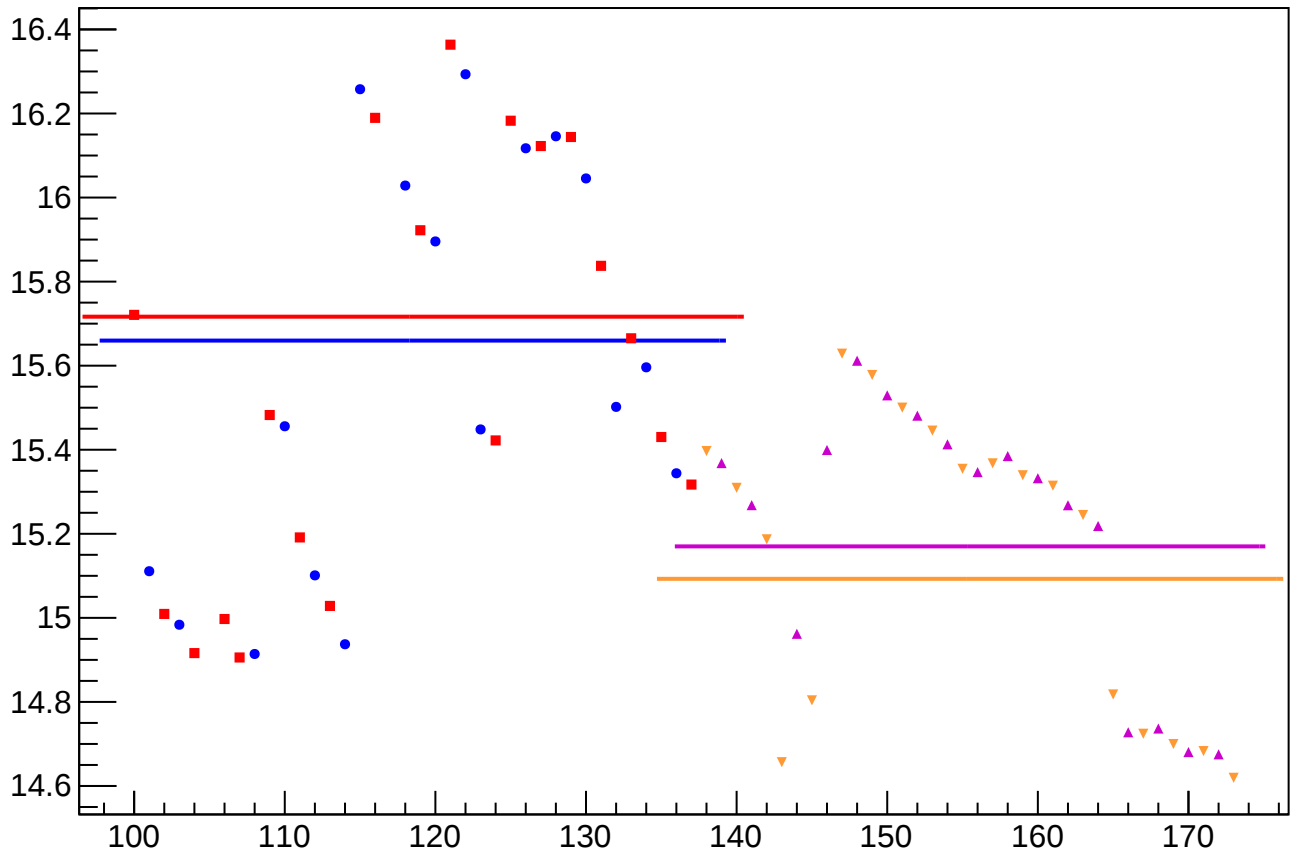
Left In: 277.124+/-0.054 χ^2/NDF : 403541.0/16

+ sign 242.205+/-0.040 χ^2/NDF : 4687628.7/35

All: 233.024+/-0.028 χ^2/NDF : 11165716.0/73

- sign 224.496+/-0.038 χ^2/NDF : 6375883.7/35

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.093 $\pm$ 0.000 χ^2 /NDF: 13947057771.5/18

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

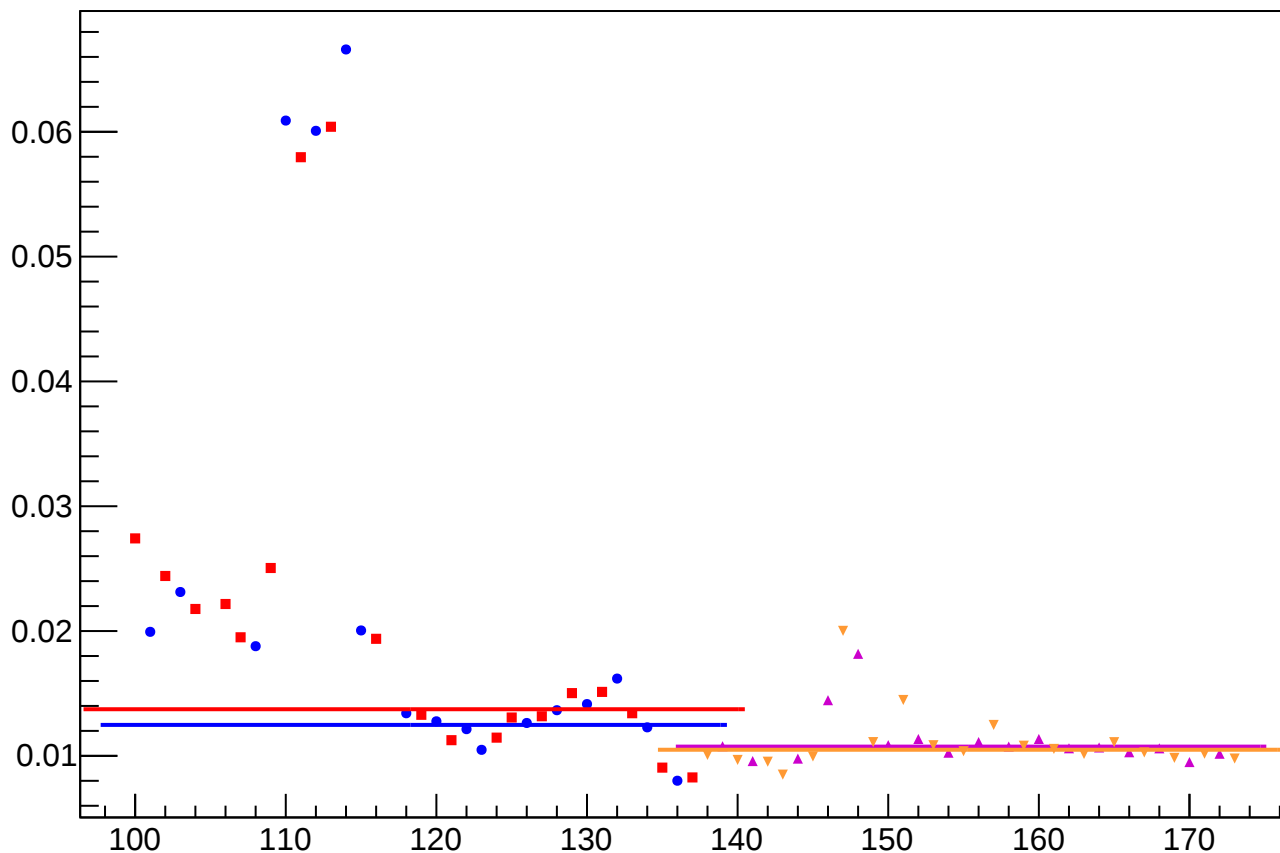
Left In: 15.170 $\pm$ 0.000 χ^2 /NDF: 10047364236.9/16

+ sign 15.215 $\pm$ 0.000 χ^2 /NDF: 28077224239.0/35

All: 15.248 $\pm$ 0.000 χ^2 /NDF: 50748457130.5

- sign 15.285 $\pm$ 0.000 χ^2 /NDF: 22309232991.6/35

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:609746.3/18

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

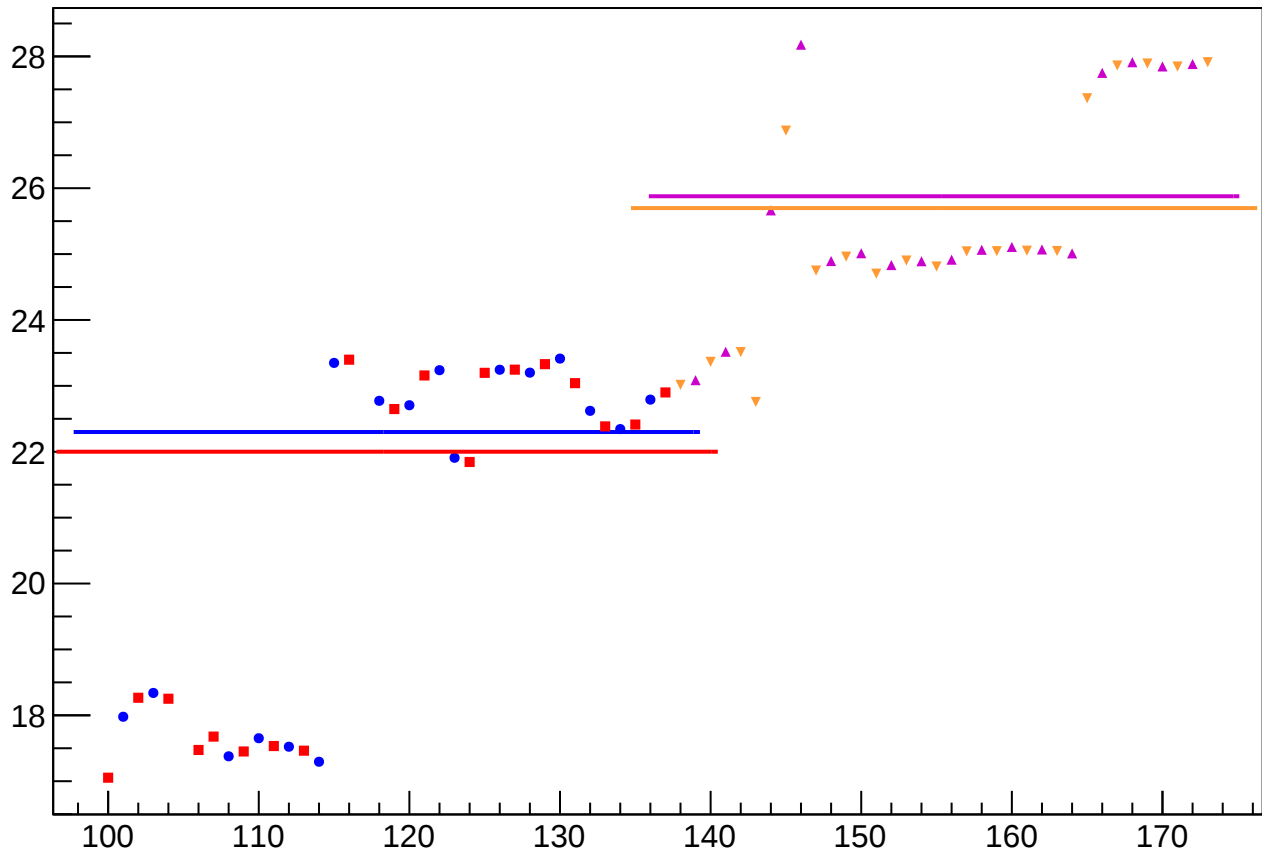
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:438633.5/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2968552.9/35

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5923293.5/71

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2924672.7/35

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2 /NDF: 938398636.8/16

Left Out: 25.698+/-0.000 χ^2 /NDF: 3052450954.7/18

Right Out: 22.001+/-0.000 χ^2 /NDF: 1066041325.5/18

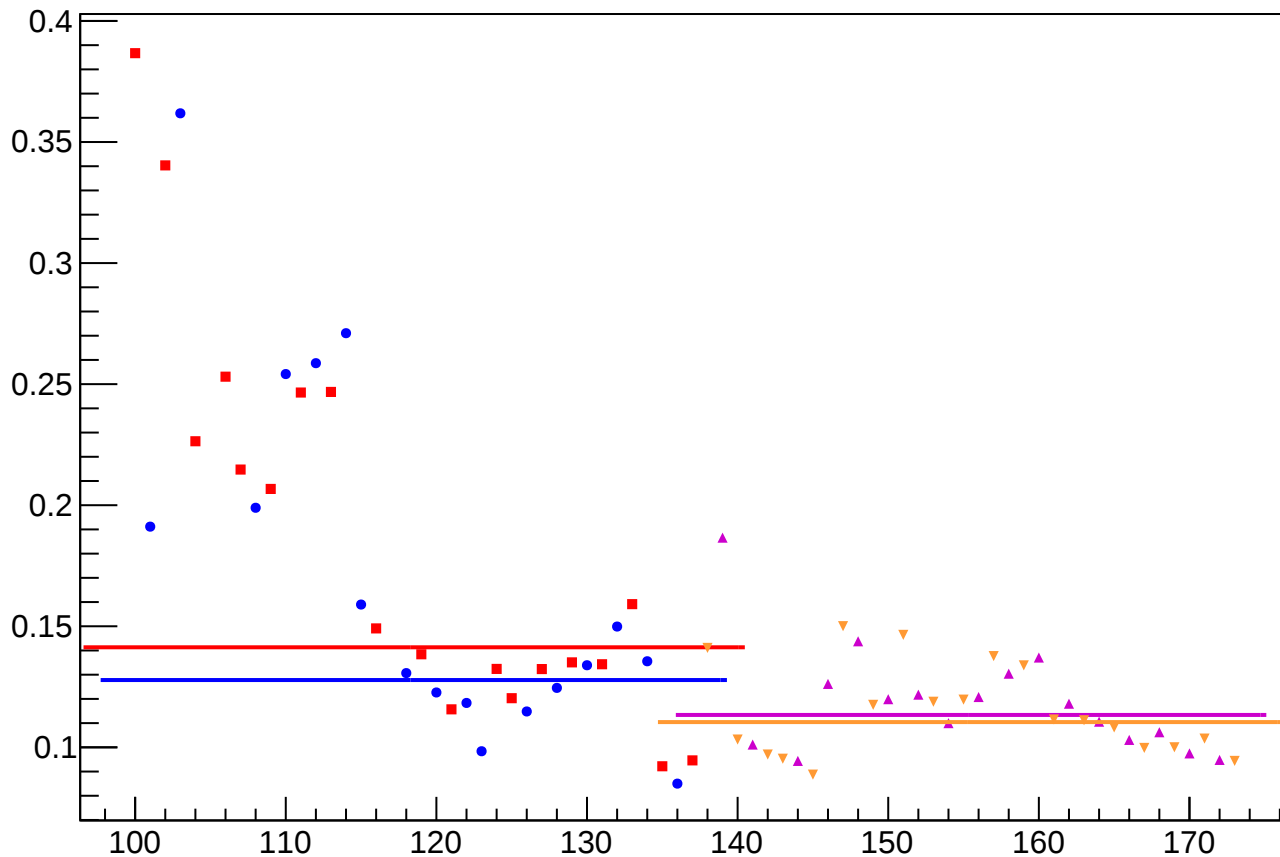
Left In: 25.878+/-0.000 χ^2 /NDF: 2108081416.9/16

+ sign 24.892+/-0.000 χ^2 /NDF: 6719813373.8/35

All: 24.921+/-0.000 χ^2 /NDF: 13053959319.4

- sign 24.954+/-0.000 χ^2 /NDF: 6331803849.4/35

yield_sam2_rms vs Slug



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.110 $\pm$ 0.000 χ^2 /NDF:561143.2/18

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1449275.1/18

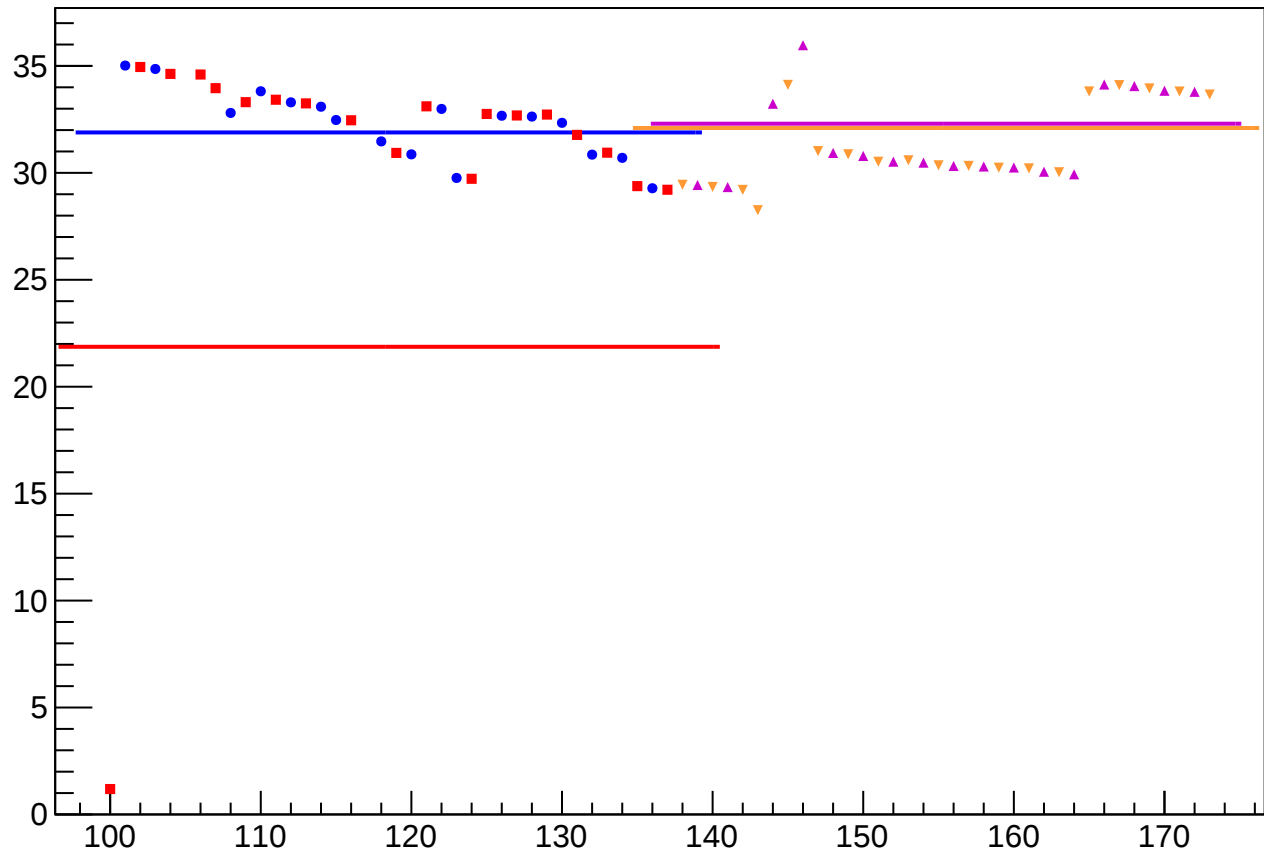
Left In: 0.113 $\pm$ 0.000 χ^2 /NDF:568433.7/16

+ sign 0.115 $\pm$ 0.000 χ^2 /NDF: 2195723.6/35

All: 0.117 $\pm$ 0.000 χ^2 /NDF: 4578296.1/71

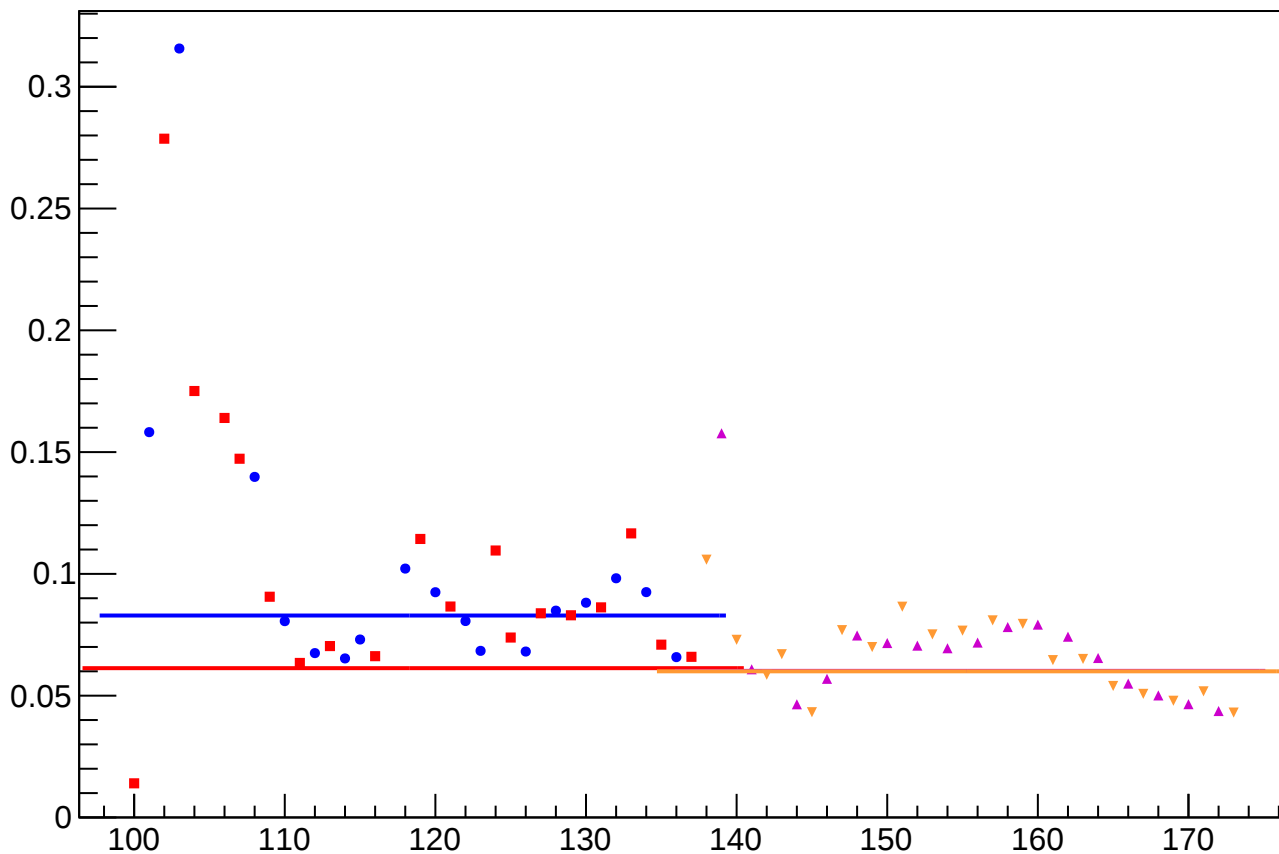
- sign 0.120 $\pm$ 0.000 χ^2 /NDF: 2345613.2/35

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000	χ^2/NDF : 1930403776.3/16	+ sign 32.057+/-0.000	χ^2/NDF : 13445905070.0/35
Left Out: 32.097+/-0.000	χ^2/NDF : 11490596881.3/18	All: 30.695+/-0.000	χ^2/NDF : 351321812404.
Right Out: 21.867+/-0.000	χ^2/NDF : 230068750081.7/18	- sign 29.375+/-0.000	χ^2/NDF : 324421297408.4/35
Left In: 32.299+/-0.000	χ^2/NDF : 10997888995.8/16		

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.060 $\pm$ 0.000 χ^2 /NDF:1284261.4/18

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

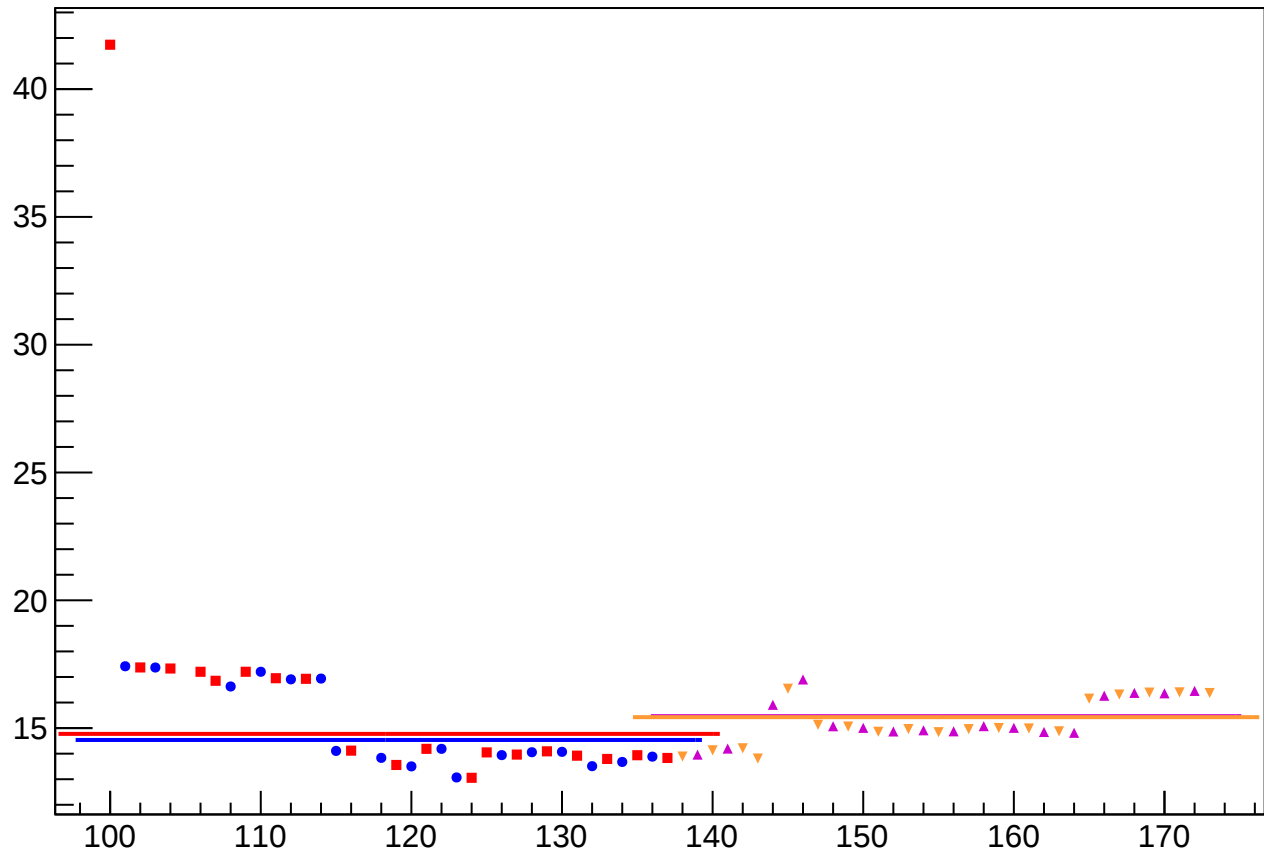
Left In: 0.060 $\pm$ 0.000 χ^2 /NDF:1356014.5/16

+ sign 0.064 $\pm$ 0.000 χ^2 /NDF: 3052086.4/35

All: 0.062 $\pm$ 0.000 χ^2 /NDF: 8071891.0/71

- sign 0.060 $\pm$ 0.000 χ^2 /NDF: 4961767.5/35

yield_sam4_mean vs Slug



Right In: 14.536 ± 0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.428 ± 0.000 χ^2/NDF : 2195693279.9/18

Right Out: 14.774 ± 0.000 χ^2/NDF : 1886755709.2/18

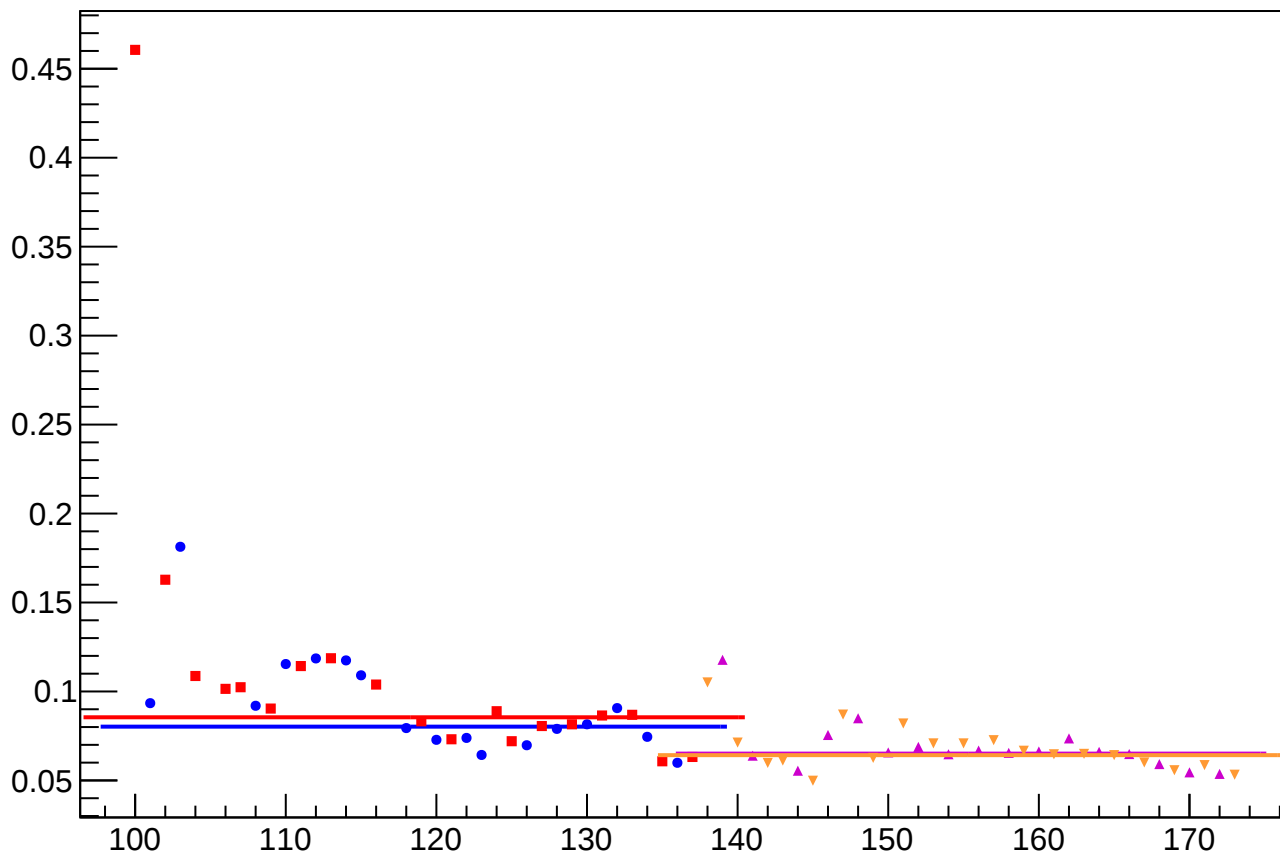
Left In: 15.467 ± 0.000 χ^2/NDF : 1650890998.8/16

+ sign 15.224 ± 0.000 χ^2/NDF : 4192503659.3/35

All: 15.262 ± 0.000 χ^2/NDF : 8037616291.3/7

- sign 15.304 ± 0.000 χ^2/NDF : 3833460789.6/35

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.064+/-0.000 χ^2/NDF : 624826.7/18

Right Out: 0.085+/-0.000 χ^2/NDF : 738043.0/18

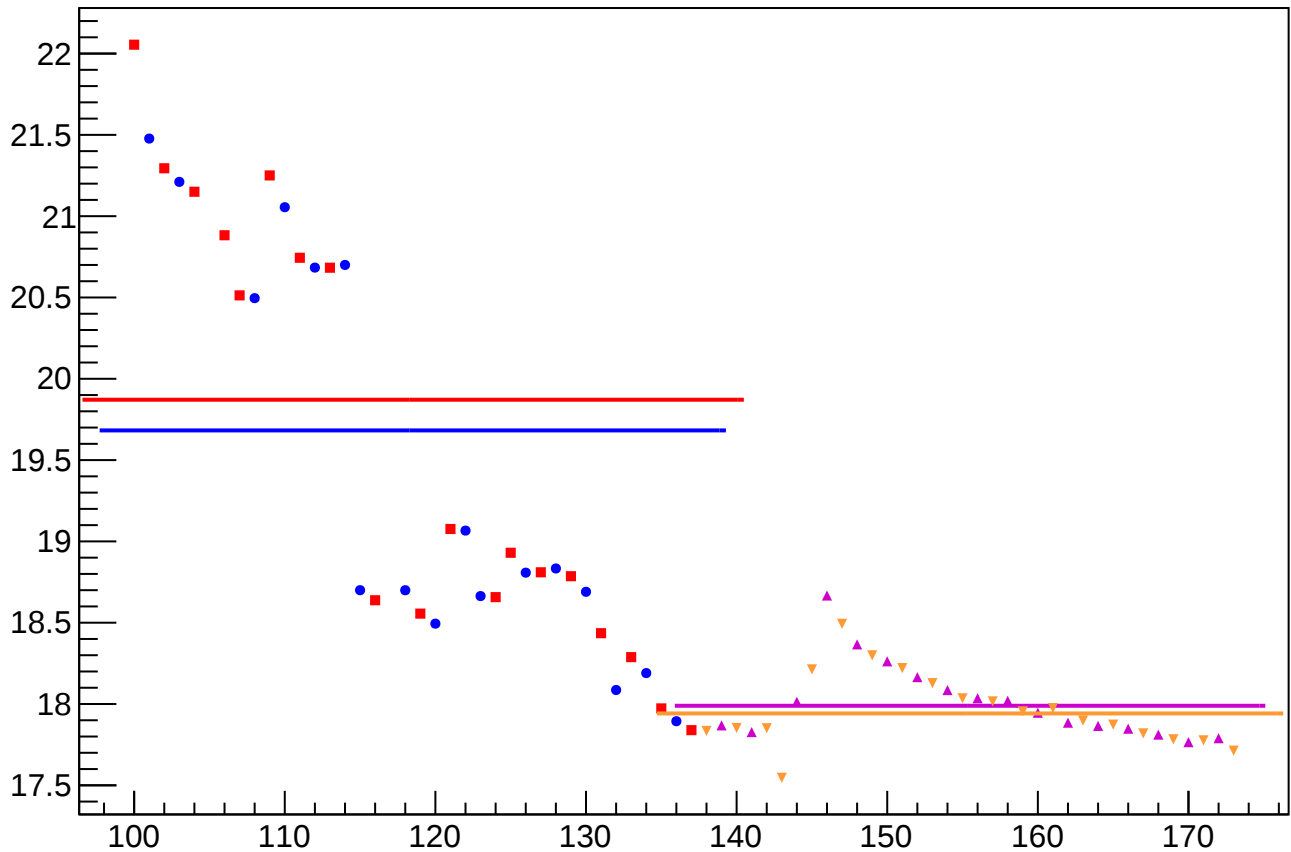
Left In: 0.065+/-0.000 χ^2/NDF : 572592.5/16

+ sign 0.068+/-0.000 χ^2/NDF : 1743277.3/35

All: 0.069+/-0.000 χ^2/NDF : 3580893.4/71

- sign 0.070+/-0.000 χ^2/NDF : 1823295.8/35

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2 /NDF: 12276801857.2/16

Left Out: 17.942+/-0.000 χ^2 /NDF: 592193936.6/18

Right Out: 19.871+/-0.000 χ^2 /NDF: 11324266794.7/18

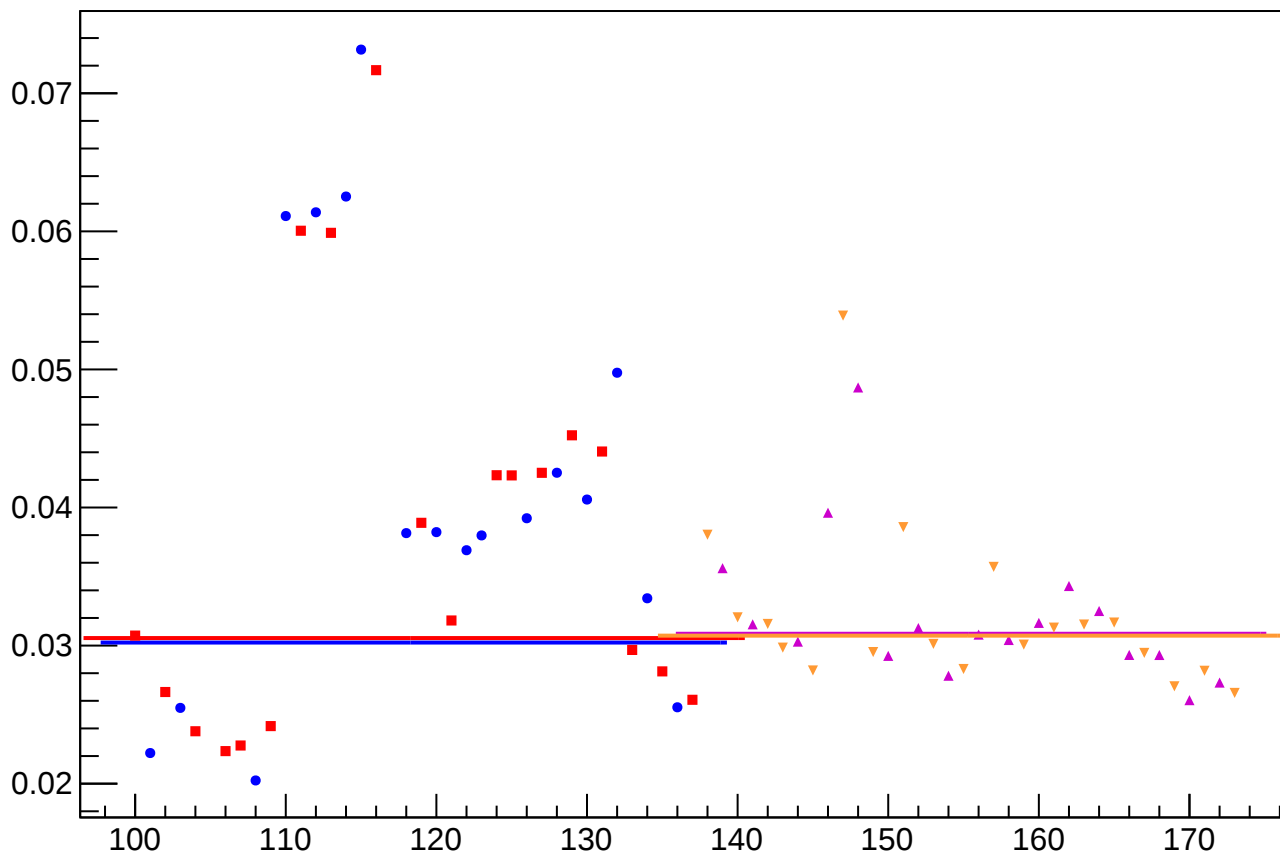
Left In: 17.989+/-0.000 χ^2 /NDF: 560345711.2/16

+ sign 18.465+/-0.000 χ^2 /NDF: 25831535838.7/35

All: 18.531+/-0.000 χ^2 /NDF: 53026424508.3

- sign 18.600+/-0.000 χ^2 /NDF: 27012204709.8/35

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.031+/-0.000 χ^2/NDF : 531363.1/18

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

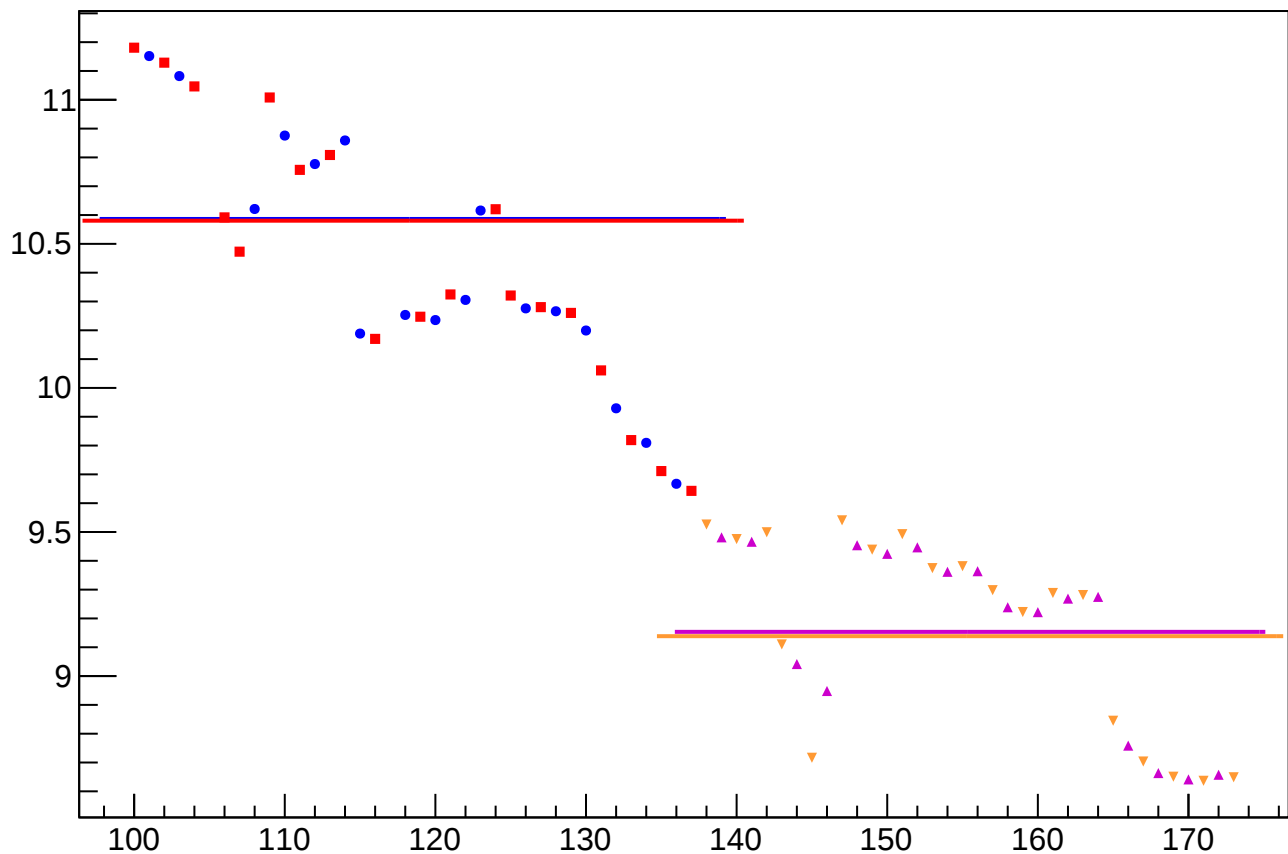
Left In: 0.031+/-0.000 χ^2/NDF : 432142.2/16

+ sign 0.031+/-0.000 χ^2/NDF : 1858022.1/35

All: 0.031+/-0.000 χ^2/NDF : 3481404.3/71

- sign 0.031+/-0.000 χ^2/NDF : 1622701.0/35

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.138 $\pm$ 0.000 χ^2 /NDF:3831606090.1/18

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5763852721.2/18

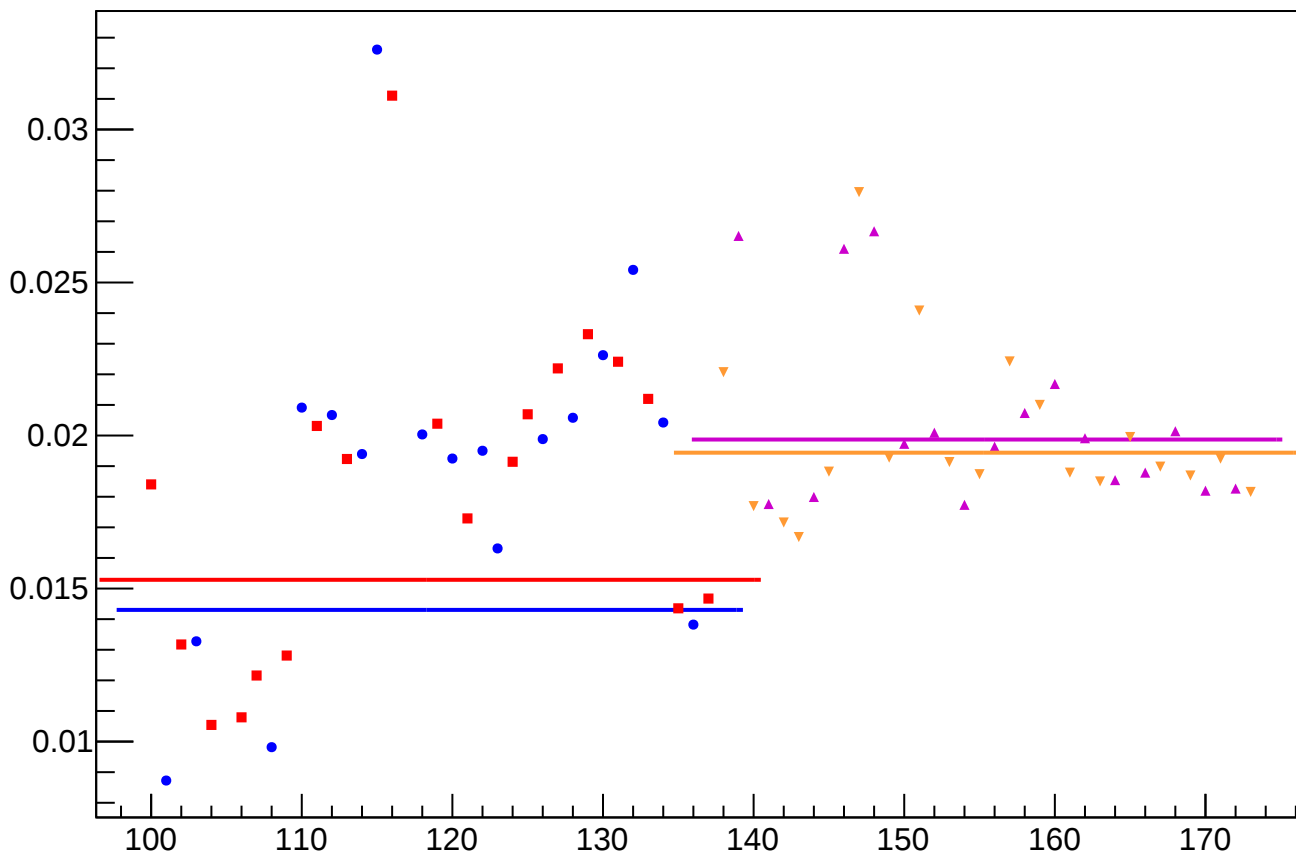
Left In: 9.153 $\pm$ 0.000 χ^2 /NDF:2822223191.9/16

+ sign 9.764 $\pm$ 0.000 χ^2 /NDF: 42254121918.5/35

All: 9.782 $\pm$ 0.000 χ^2 /NDF: 78978360107.6/35

- sign 9.801 $\pm$ 0.000 χ^2 /NDF: 36684373319.4/35

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 326670.3/18

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

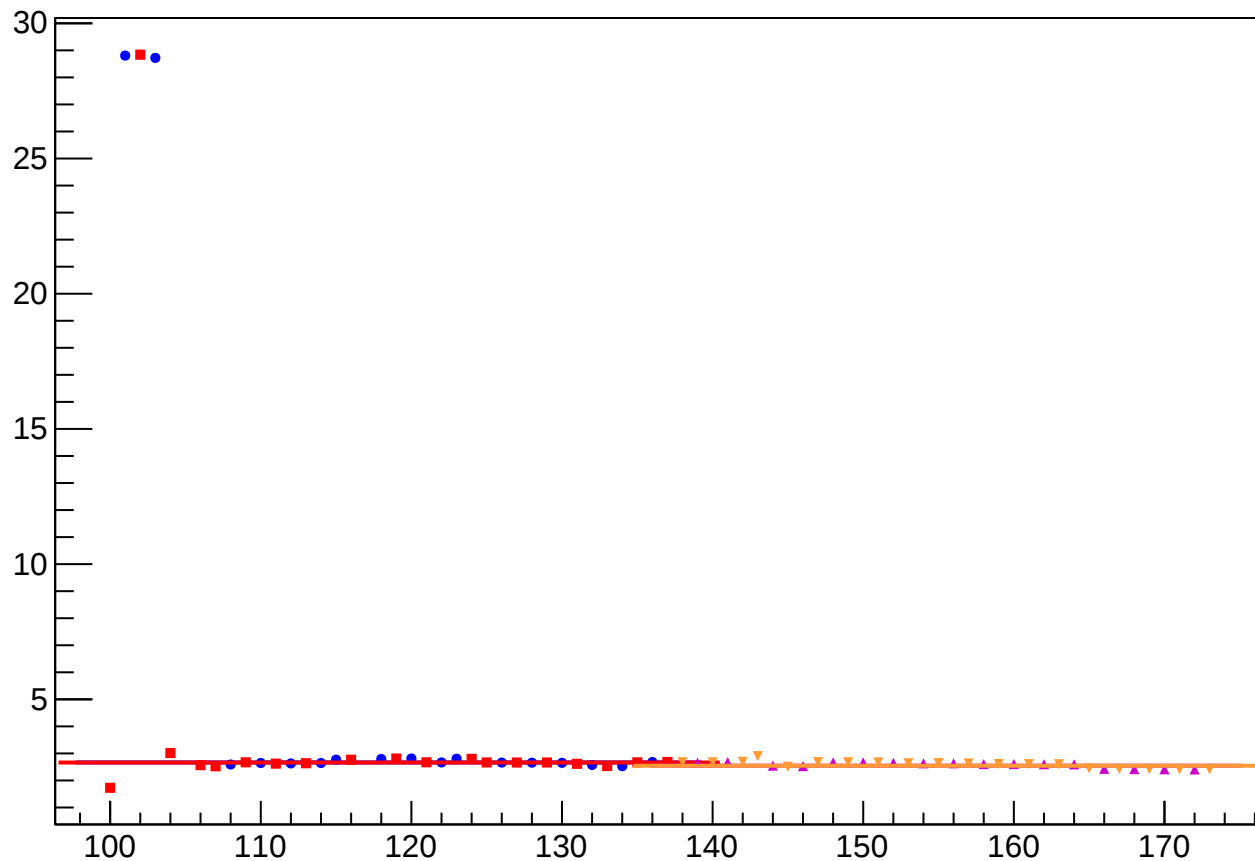
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 377407.6/16

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2515118.2/35

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4480017.2/71

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 1946166.1/35

yield_sam7_mean vs Slug



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.544 $\pm$ 0.000 χ^2 /NDF: 42266664642.9/18

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

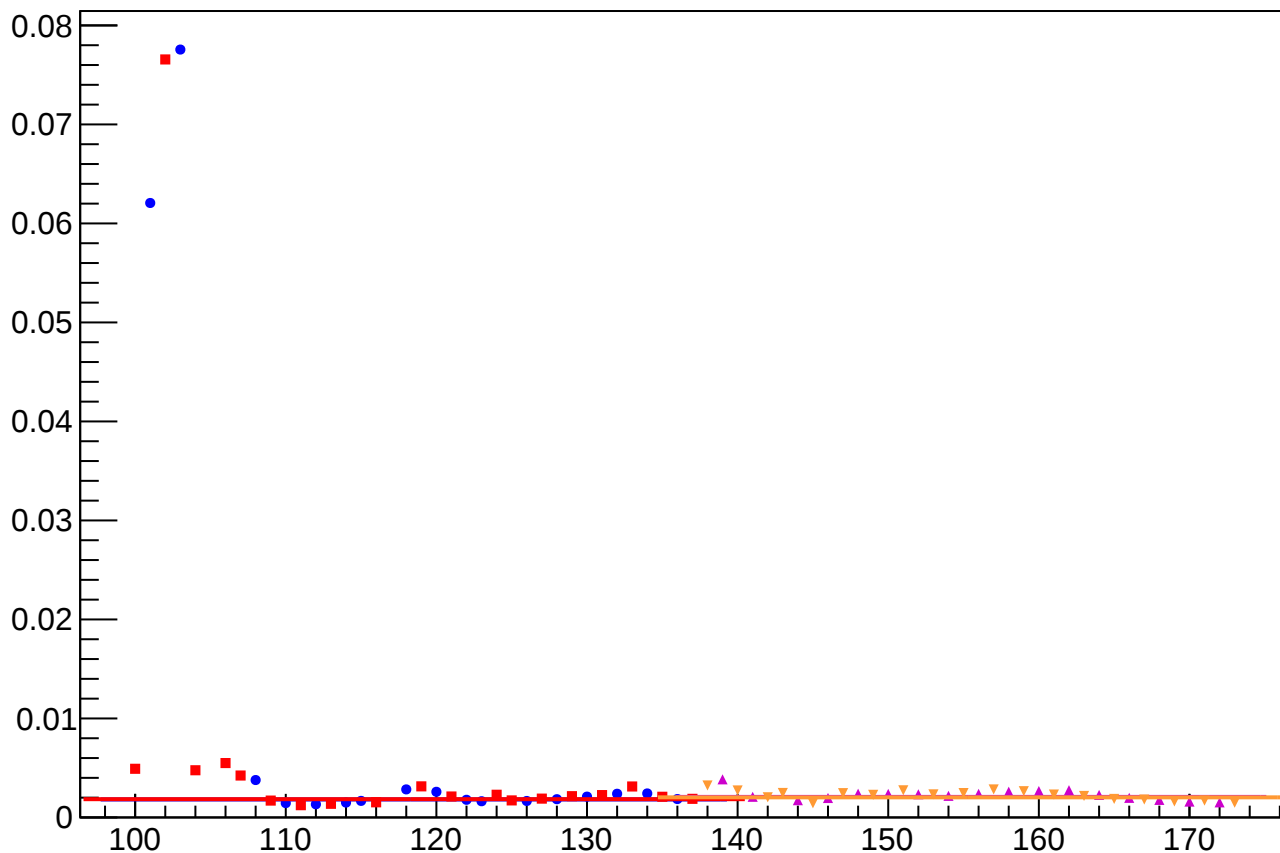
Left In: 2.546 $\pm$ 0.000 χ^2 /NDF: 26239962520.7/16

+ sign 2.584 $\pm$ 0.000 χ^2 /NDF: 218895850123.5/35

All: 2.587 $\pm$ 0.000 χ^2 /NDF: 327923536415.6

- sign 2.589 $\pm$ 0.000 χ^2 /NDF: 108978581938.9/35

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2661372.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1248905.1/18

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2331228.4/18

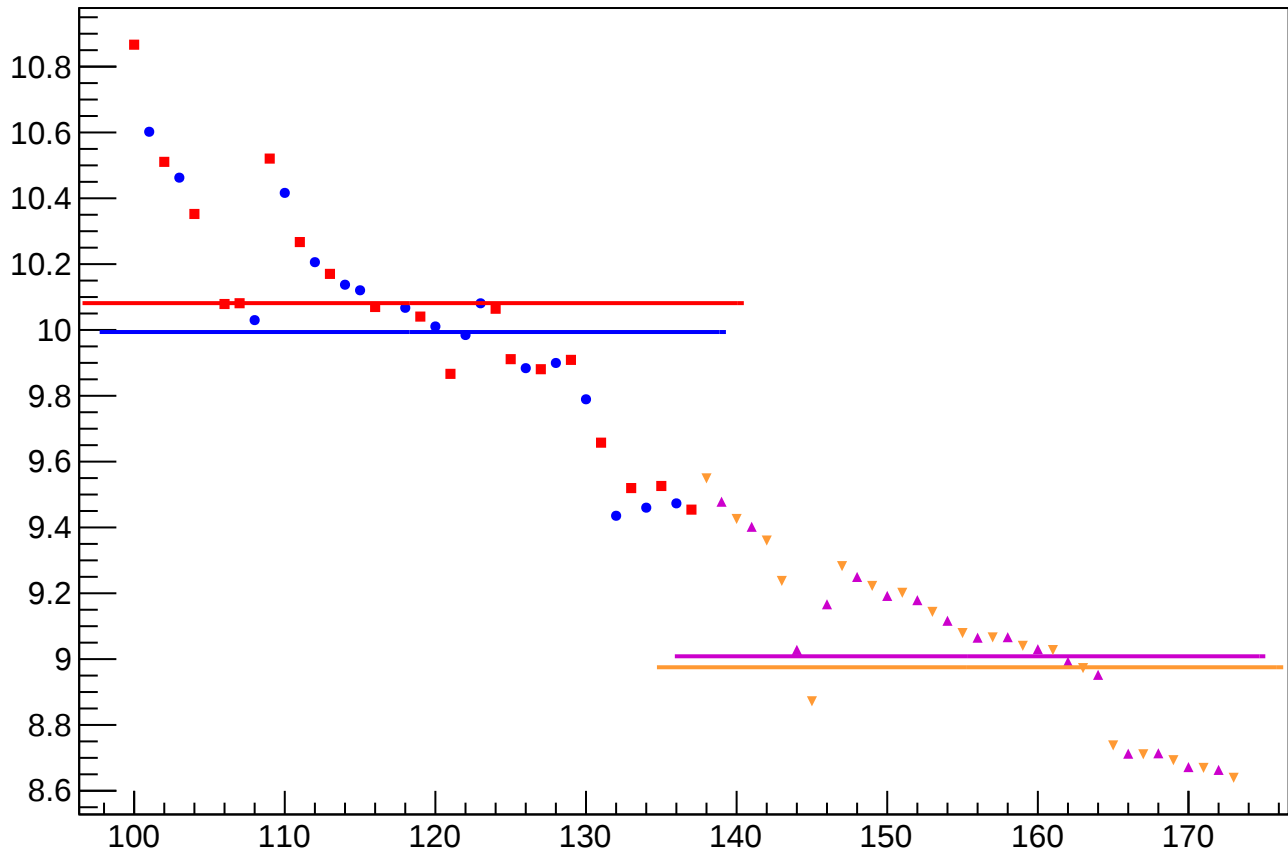
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:970770.0/16

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3992620.8/35

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7392619.6/71

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3396185.1/35

yield_sam8_mean vs Slug



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 8.975 $\pm$ 0.000 χ^2 /NDF: 19450877675.5/18

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

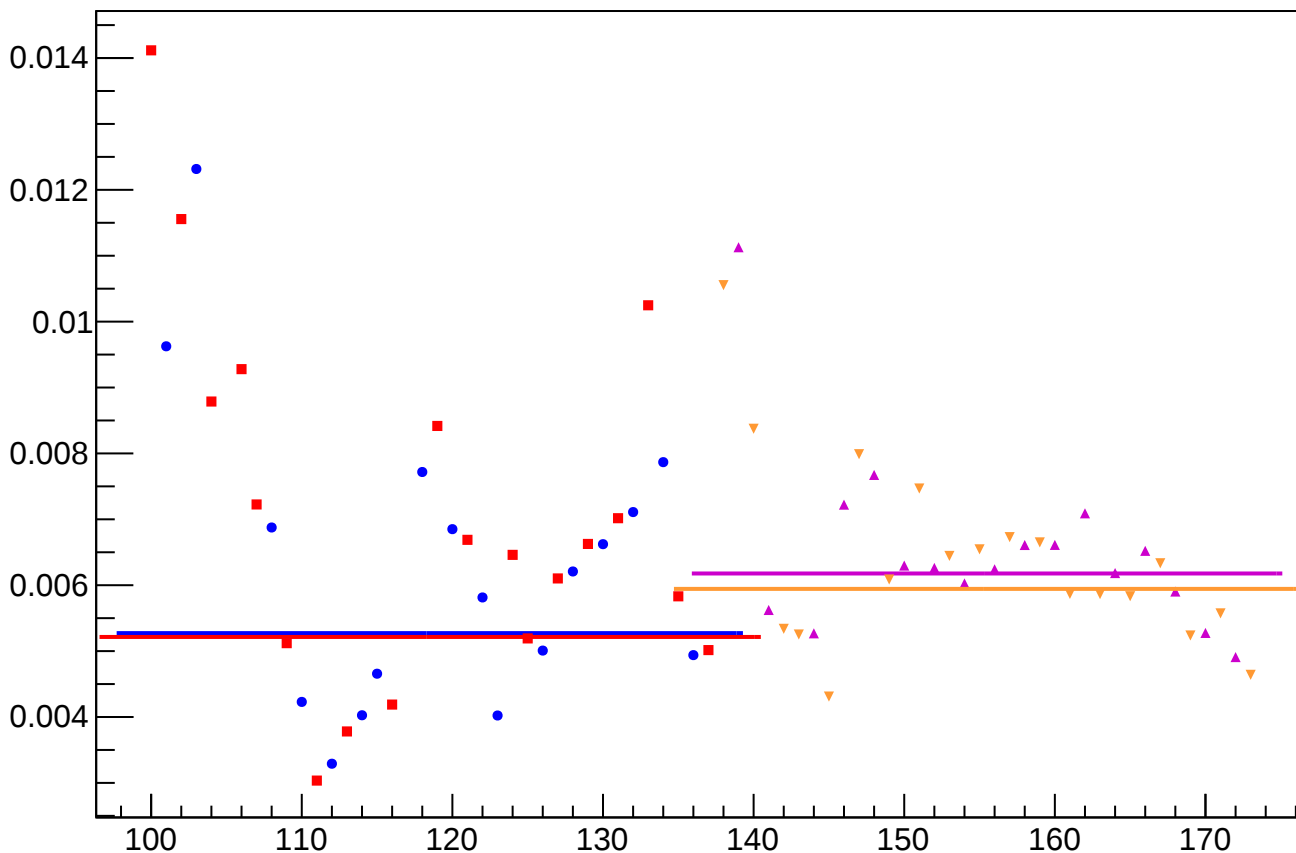
Left In: 9.009 $\pm$ 0.000 χ^2 /NDF: 14785517213.0/16

+ sign 9.342 $\pm$ 0.000 χ^2 /NDF: 158343234899.7/35

All: 9.392 $\pm$ 0.000 χ^2 /NDF: 322223314221.9

- sign 9.447 $\pm$ 0.000 χ^2 /NDF: 161205521377.3/35

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF :844800.3/18

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

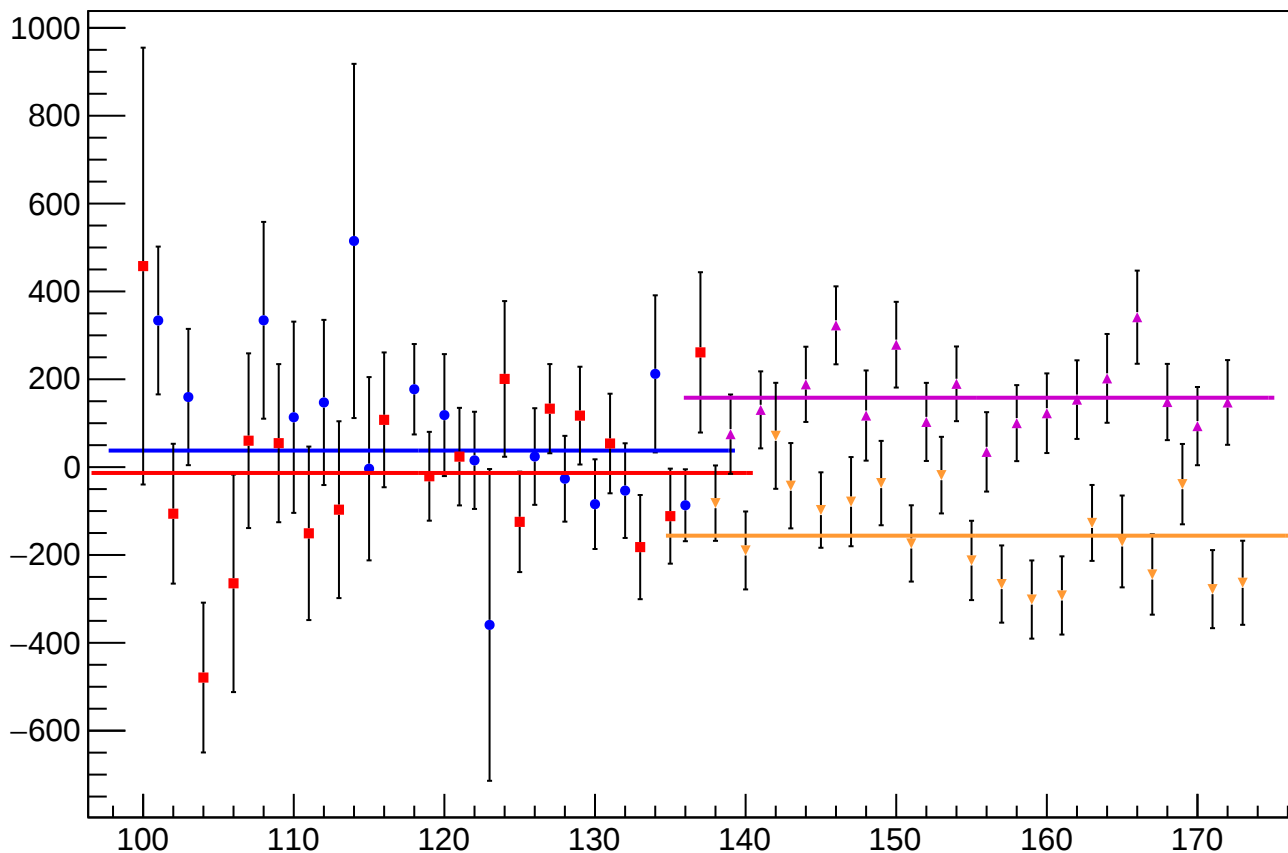
Left In: 0.006+/-0.000 χ^2/NDF :554086.3/16

+ sign 0.006+/-0.000 χ^2/NDF : 2194706.0/35

All: 0.006+/-0.000 χ^2/NDF : 4621033.7/71

- sign 0.006+/-0.000 χ^2/NDF : 2423054.7/35

reg_asym_sam1_mean vs Slug



Right In: 37.694 ± 32.253 χ^2/NDF : 16.7/16

Left Out: -156.048 ± 21.096 χ^2/NDF : 23.7/18

Right Out: -13.278 ± 32.066 χ^2/NDF : 22.7/18

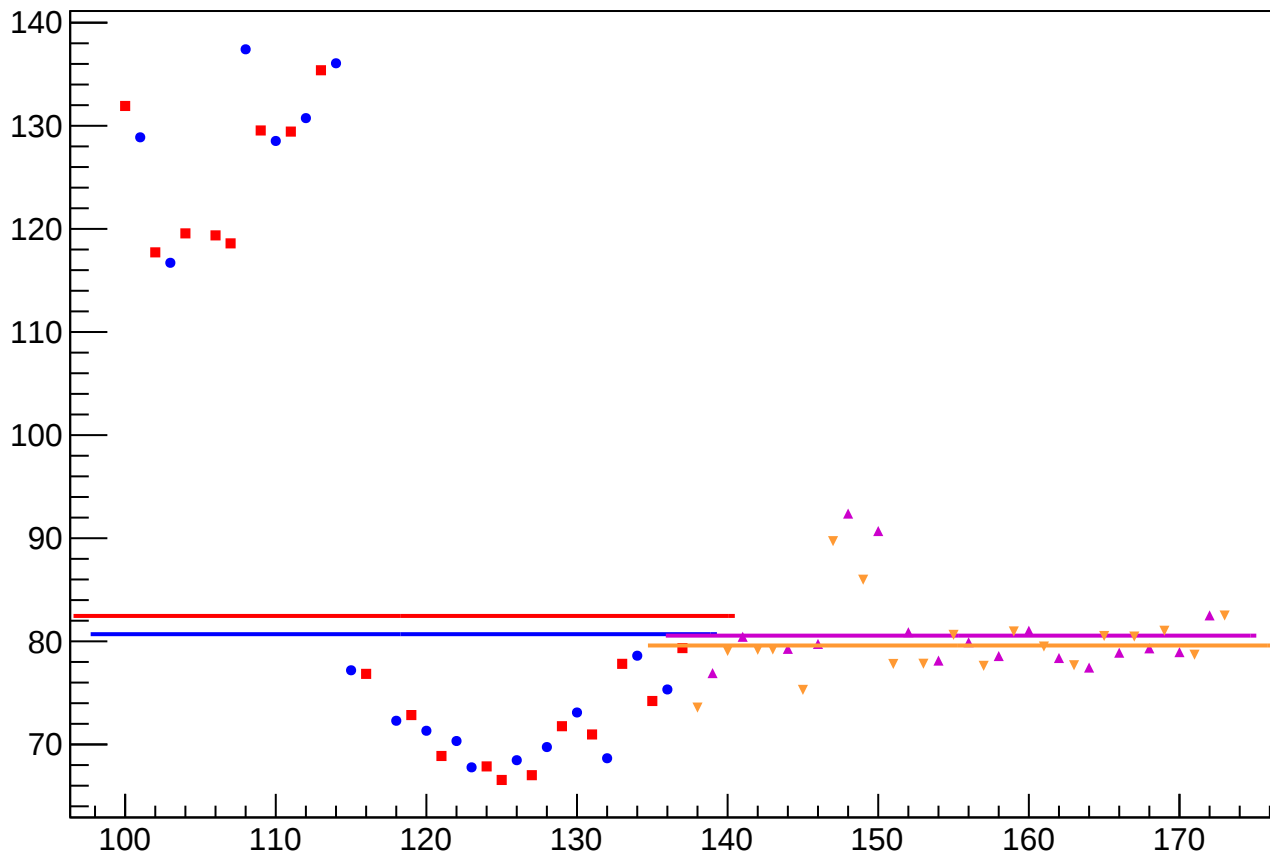
Left In: 157.972 ± 22.160 χ^2/NDF : 12.9/16

+ sign -97.998 ± 17.655 χ^2/NDF : 65.7/35

All: -0.903 ± 12.682 χ^2/NDF : 183.2/71

- sign 102.622 ± 18.230 χ^2/NDF : 54.9/35

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.597 $\pm$ 0.015 χ^2 /NDF: 50960.6/18

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

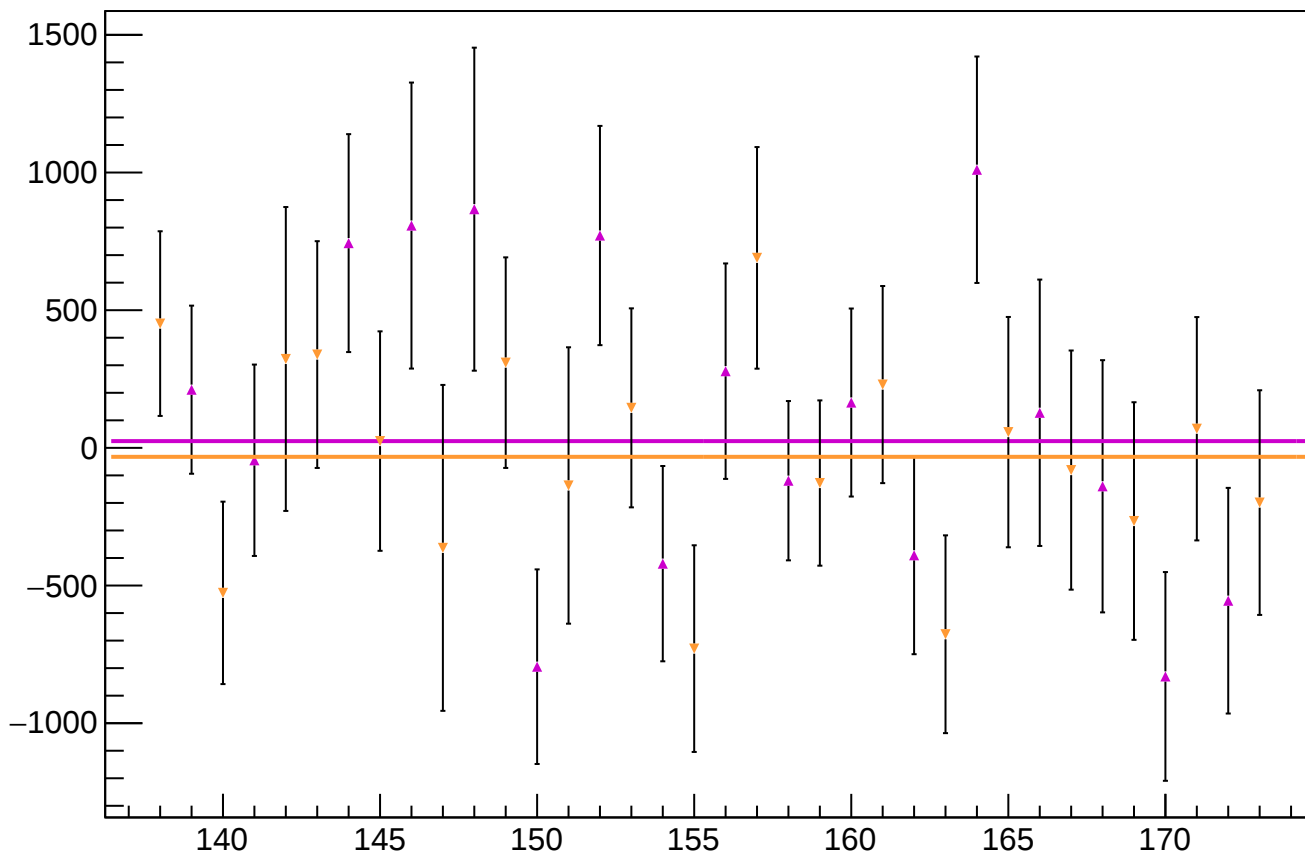
Left In: 80.553 $\pm$ 0.016 χ^2 /NDF: 60325.8/16

+ sign 79.926 $\pm$ 0.012 χ^2 /NDF: 866607.0/35

All: 80.529 $\pm$ 0.009 χ^2 /NDF: 1851425.9/71

- sign 81.171 $\pm$ 0.013 χ^2 /NDF: 980006.9/35

asym_sam1_correction_mean vs Slug



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

Left Out: -32.547+/-90.093 χ^2/NDF : 18.1/18

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

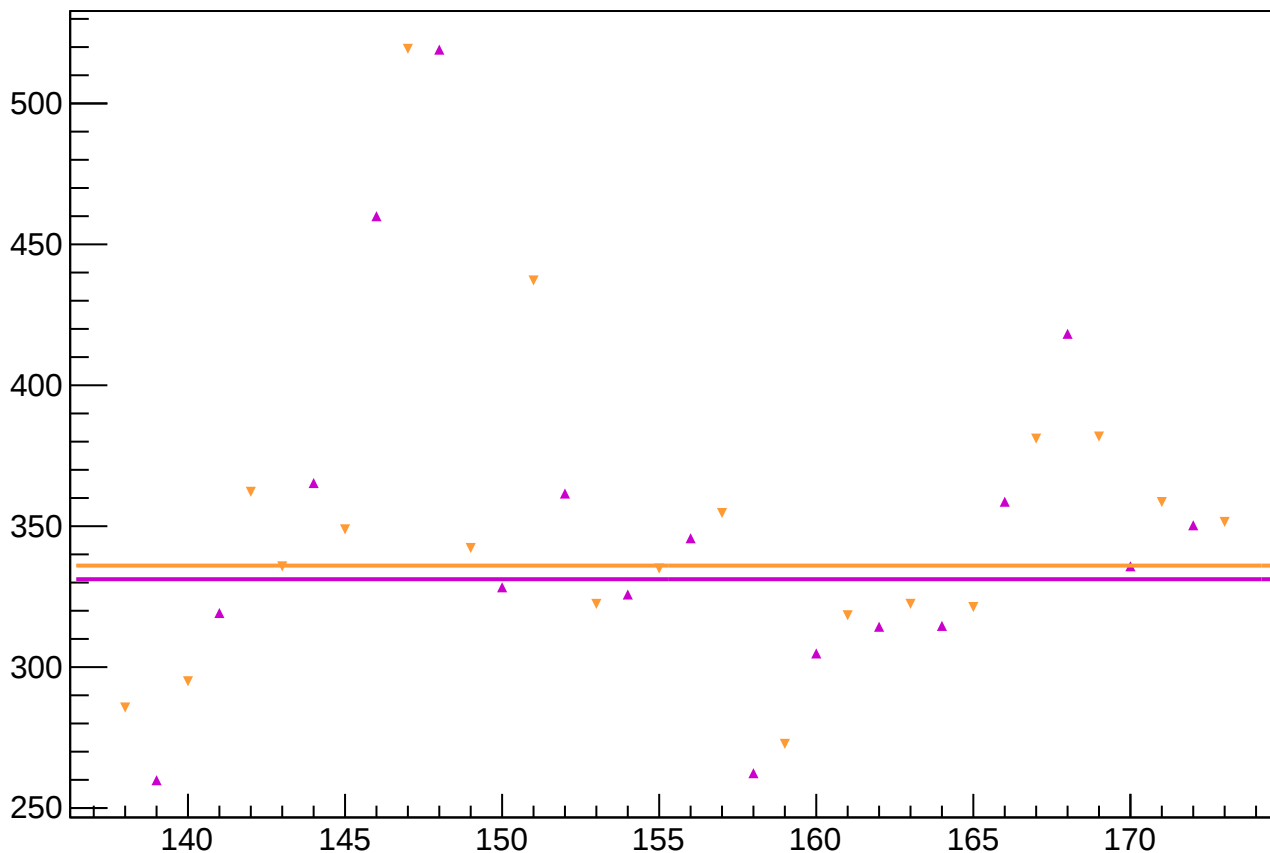
Left In: 24.522+/-92.473 χ^2/NDF : 33.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -4.756+/-64.531 χ^2/NDF : 51.9/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam1_correction_rms vs Slug



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

Left Out: 336.025+/-0.064 χ^2/NDF : 515337.2/18

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

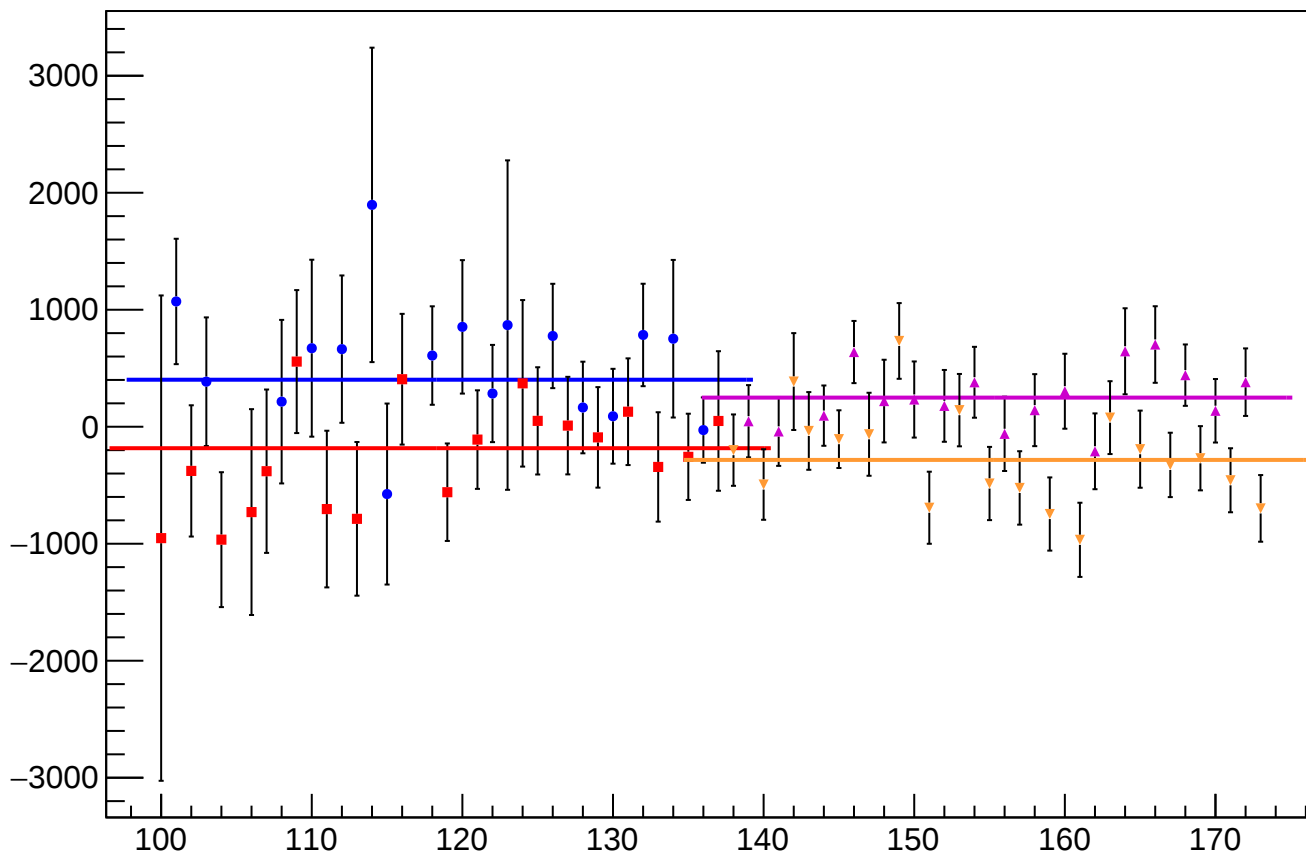
Left In: 331.189+/-0.065 χ^2/NDF : 685740.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 333.670+/-0.046 χ^2/NDF : 1203883.6/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam2_mean vs Slug



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -283.571 $\pm$ 70.048 χ^2 /NDF:30.0/18

Right Out: -183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

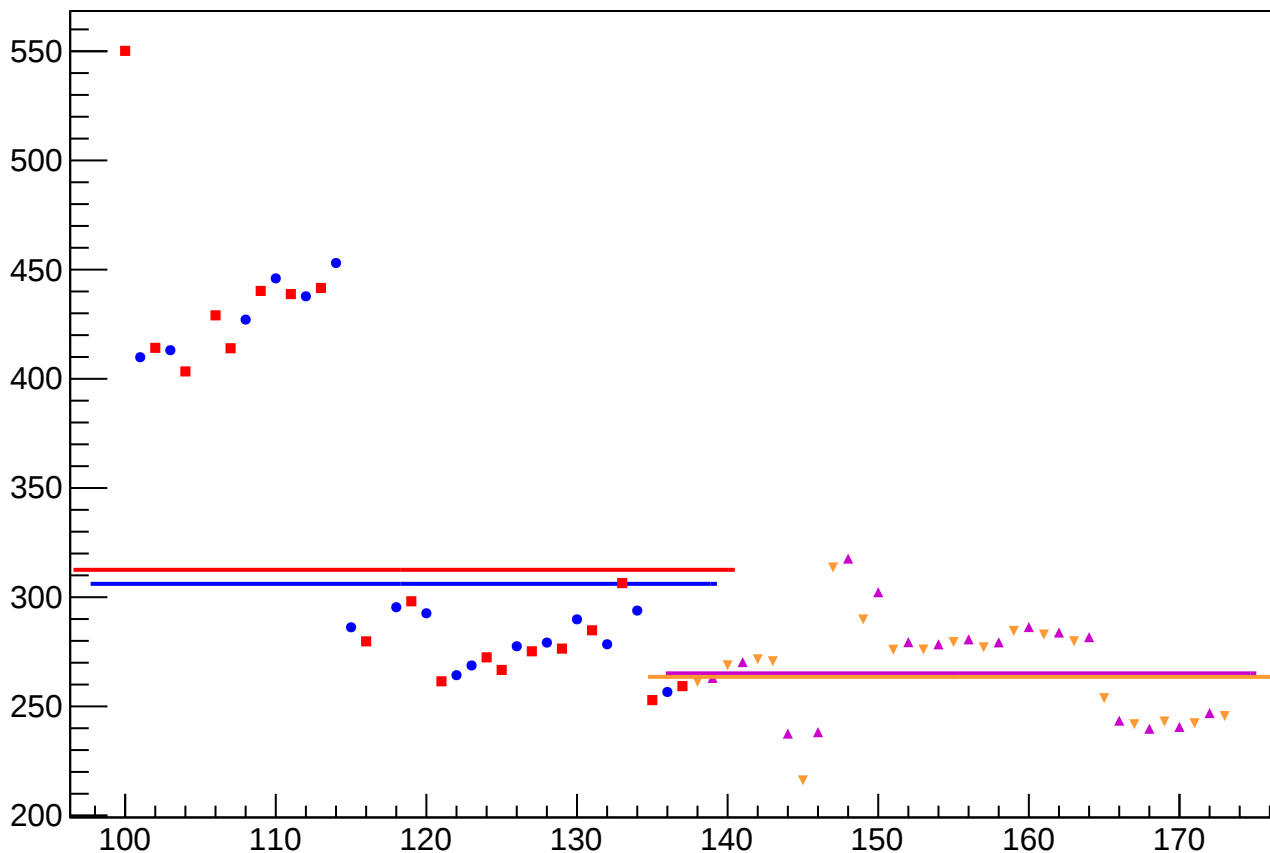
Left In: 248.956 $\pm$ 73.167 χ^2 /NDF:11.3/16

+ sign -111.620 $\pm$ 60.628 χ^2 /NDF: 64.9/35

All: 6.568 $\pm$ 43.523 χ^2 /NDF: 102.7/71

- sign 132.239 $\pm$ 62.518 χ^2 /NDF: 30.0/35

reg_asym_sam2_rms vs Slug



Right In: 306.123 ± 0.086 χ^2/NDF : 508435.8/16

Left Out: 263.523 ± 0.050 χ^2/NDF : 212049.4/18

Right Out: 312.543 ± 0.085 χ^2/NDF : 625769.8/18

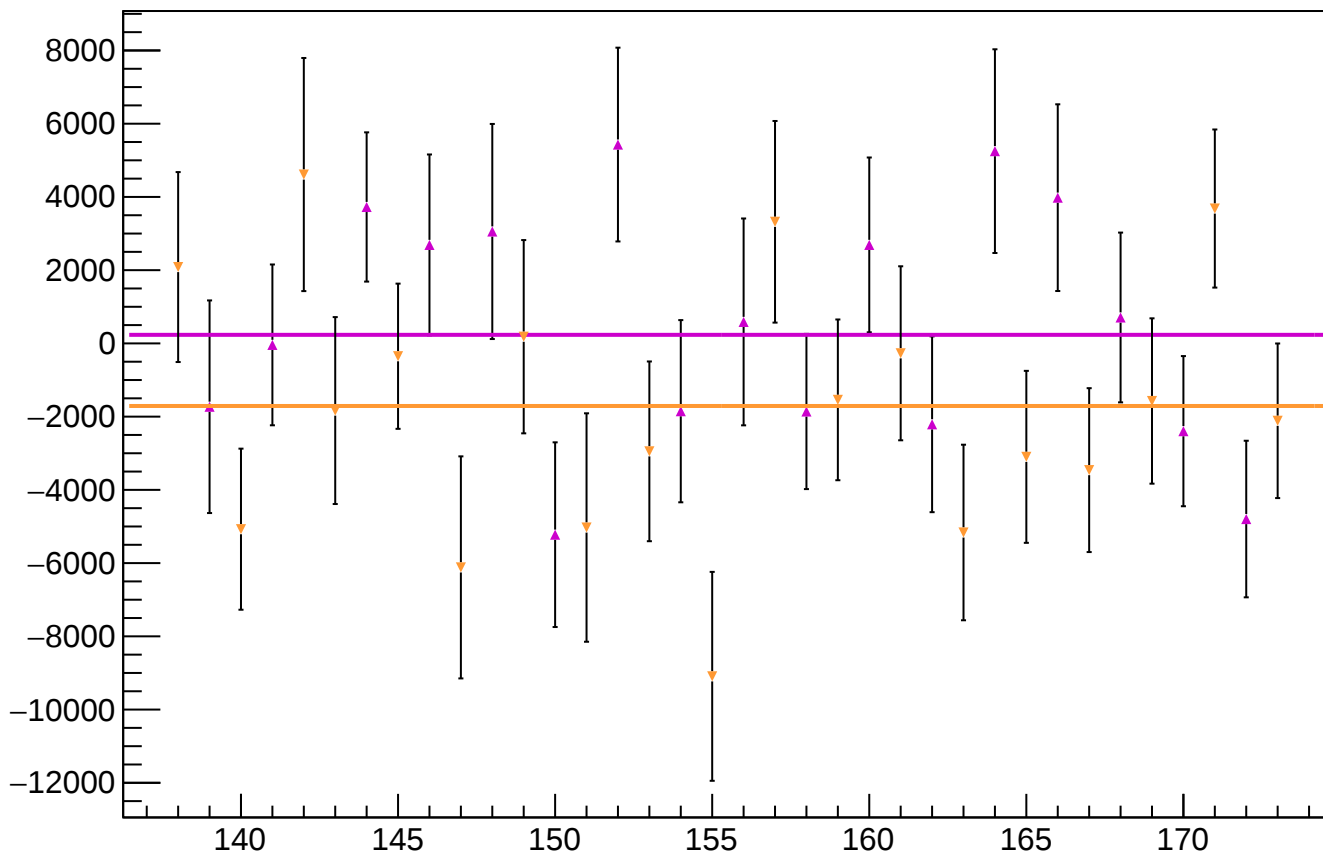
Left In: 265.131 ± 0.052 χ^2/NDF : 202987.7/16

+ sign 274.210 ± 0.043 χ^2/NDF : 906053.1/35

All: 276.012 ± 0.031 χ^2/NDF : 1965114.9/71

- sign 277.927 ± 0.044 χ^2/NDF : 1055417.7/35

asym_sam2_correction_mean vs Slug



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

Left Out: -1709.026 $\pm$ 557.915 χ^2 /NDF:32.6/18

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

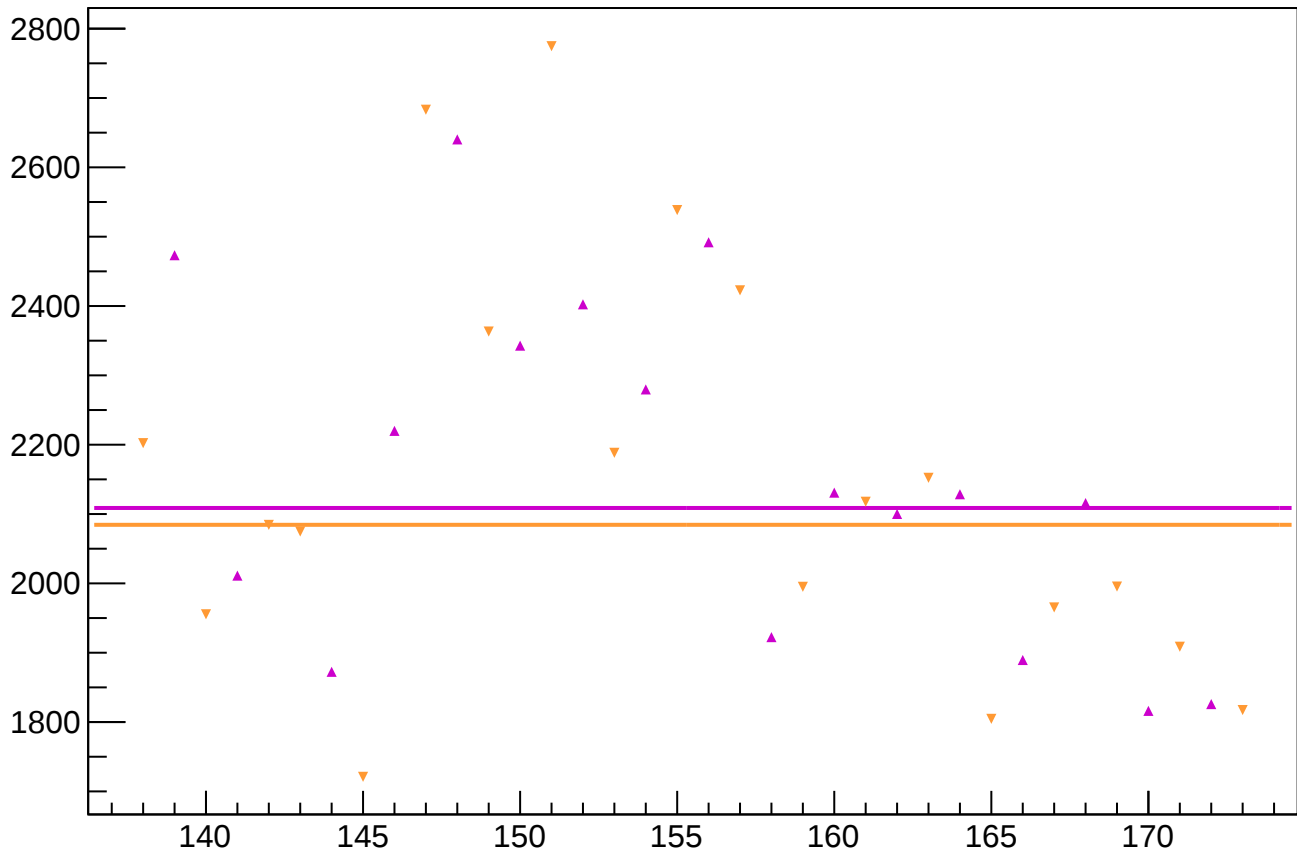
Left In: 233.879 $\pm$ 584.098 χ^2 /NDF:30.3/16

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

All: -782.096 $\pm$ 403.444 χ^2 /NDF: 68.7/35

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

asym_sam2_correction_rms vs Slug



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

Left Out: 2084.464+/-0.395 χ^2/NDF : 448586.0/18

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

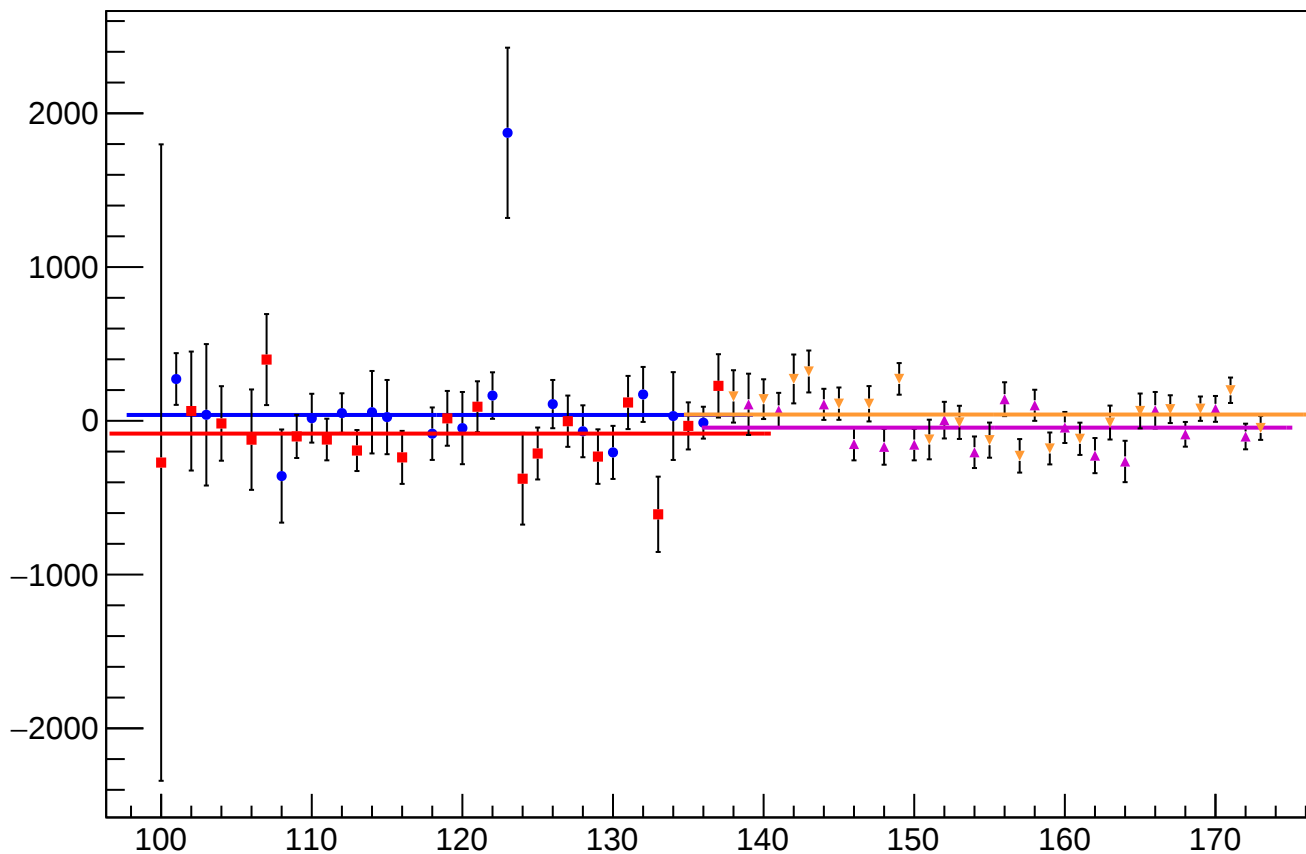
Left In: 2108.748+/-0.413 χ^2/NDF : 326335.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2096.050+/-0.285 χ^2/NDF : 776729.5/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_mean vs Slug



Right In: 38.126 ± 43.548 χ^2/NDF : 19.4/16

Left Out: 40.883 ± 24.304 χ^2/NDF : 35.7/18

Right Out: -83.101 ± 43.098 χ^2/NDF : 16.7/18

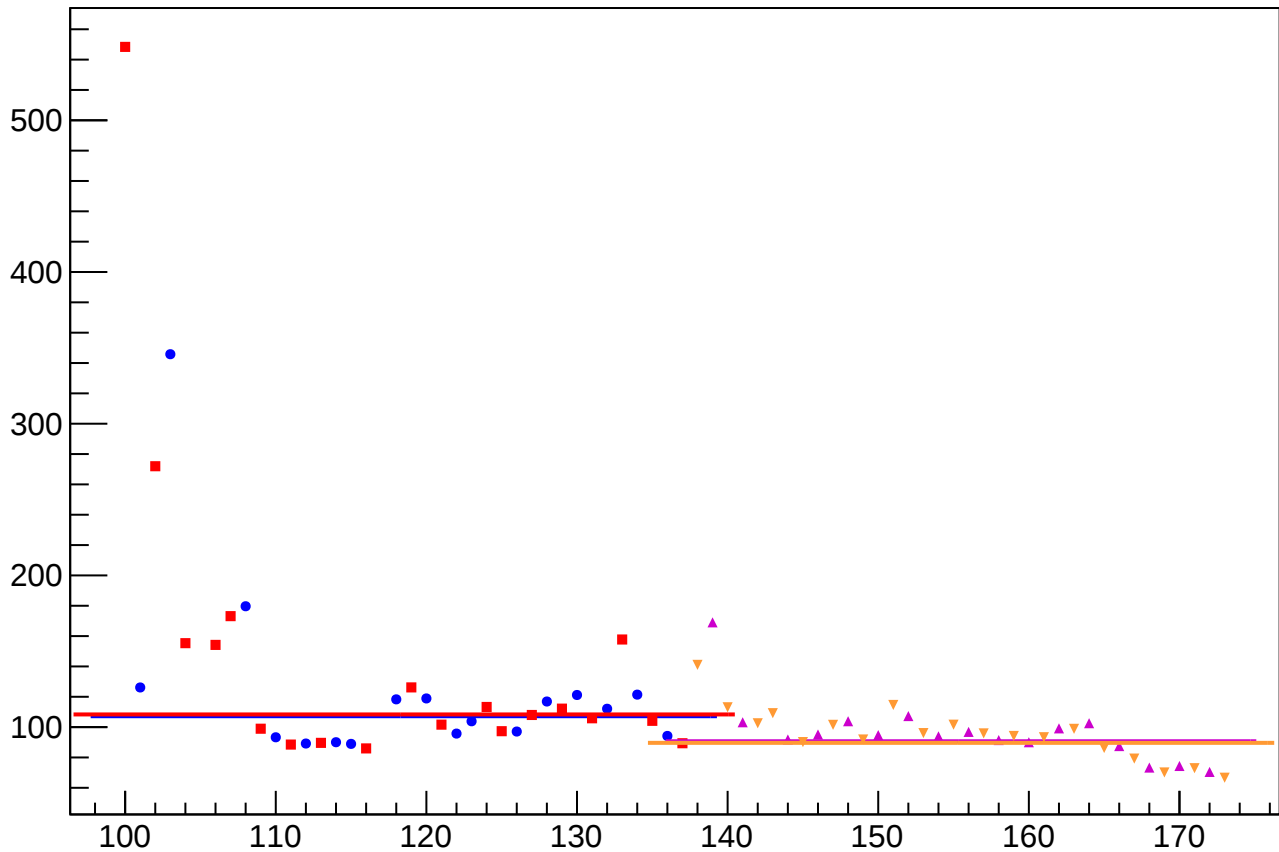
Left In: -44.393 ± 25.450 χ^2/NDF : 23.6/16

+ sign 40.228 ± 21.223 χ^2/NDF : 55.1/35

All: -5.569 ± 15.245 χ^2/NDF : 105.6/71

- sign -54.401 ± 21.915 χ^2/NDF : 40.9/35

reg_asym_sam3_rms vs Slug



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 89.634 $\pm$ 0.017 χ^2 /NDF: 862456.8/18

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

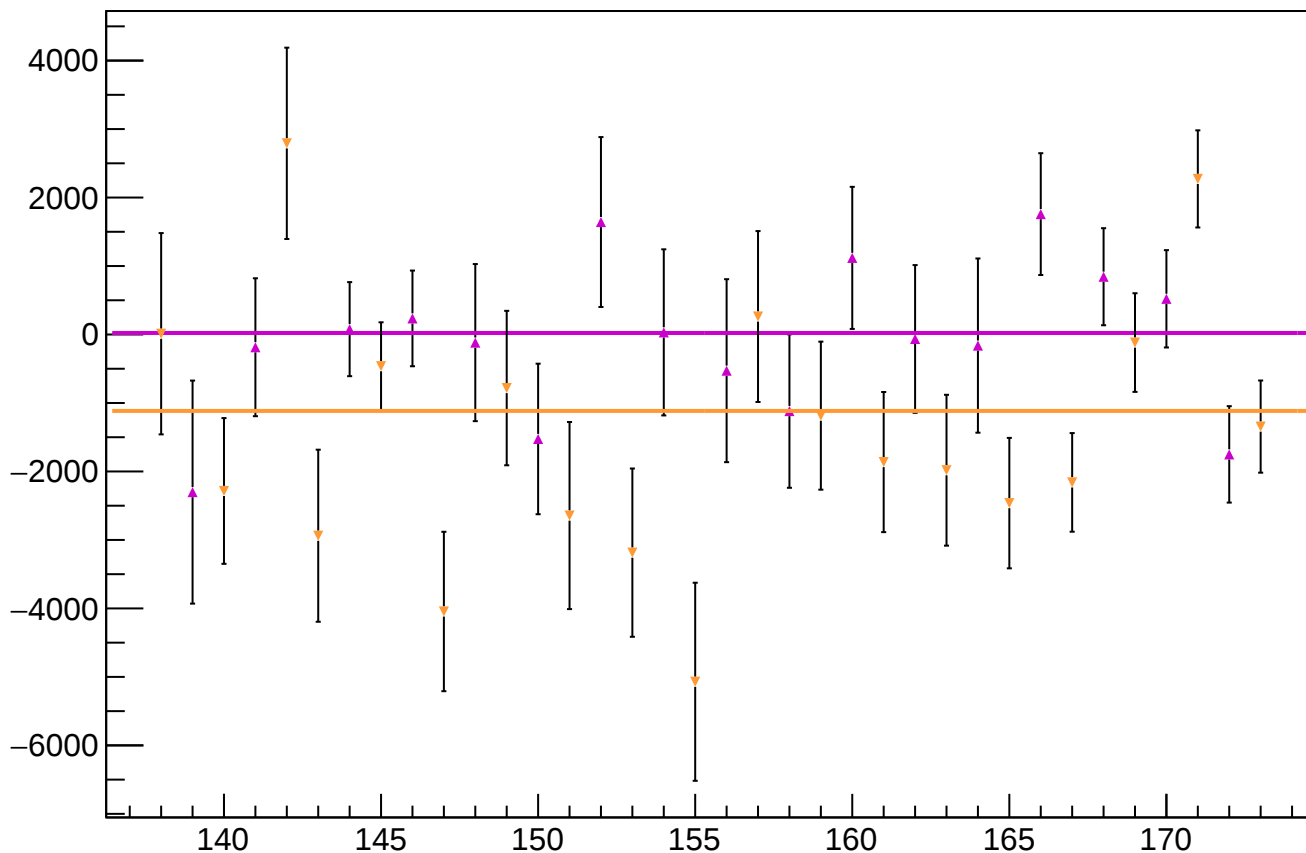
Left In: 90.682 $\pm$ 0.018 χ^2 /NDF: 727205.2/16

+ sign 93.803 $\pm$ 0.015 χ^2 /NDF: 1953402.5/35

All: 94.505 $\pm$ 0.011 χ^2 /NDF: 3851861.4/71

- sign 95.253 $\pm$ 0.015 χ^2 /NDF: 1893941.5/35

asym_sam3_correction_mean vs Slug



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

Left Out: -1115.853 $\pm$ 220.553 χ^2 /NDF:62.1/18

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

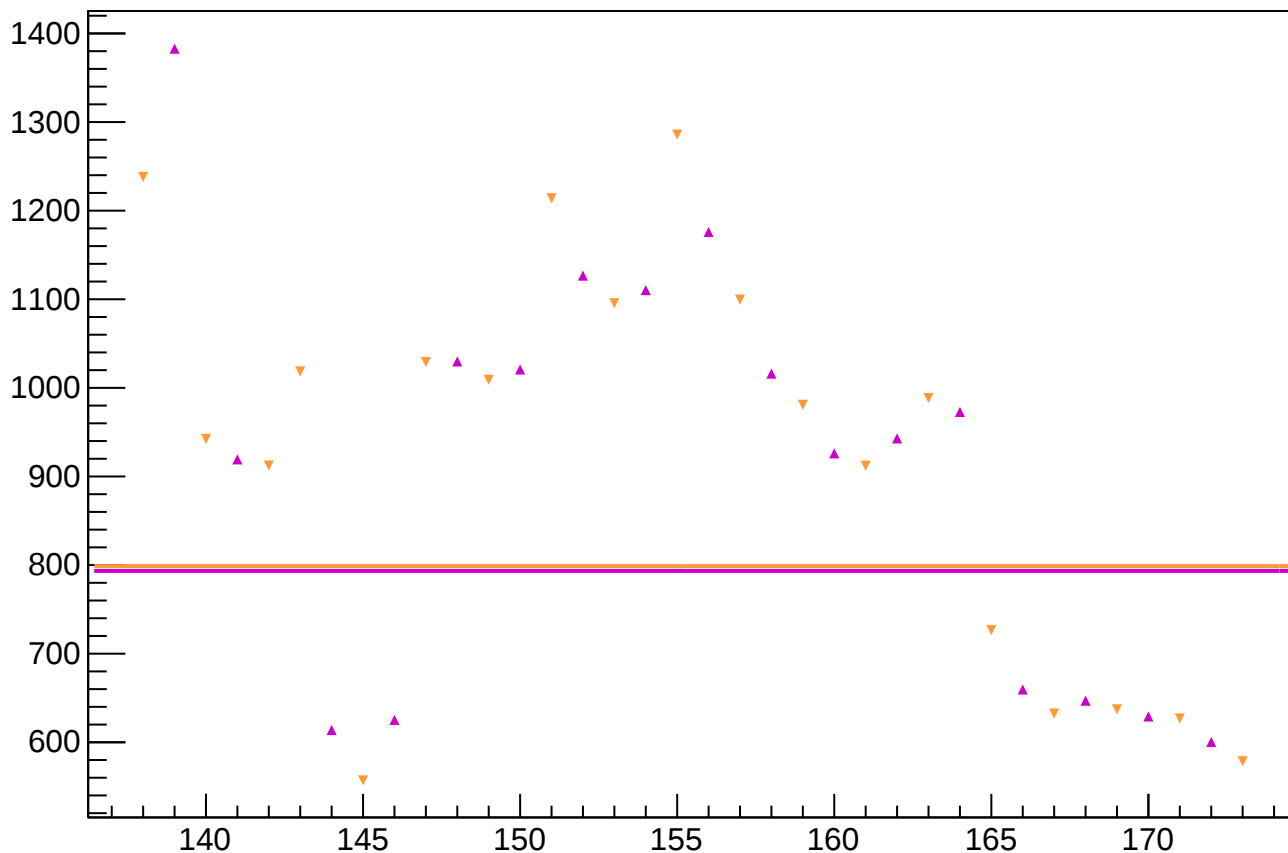
Left In: 22.262 $\pm$ 226.663 χ^2 /NDF:20.2/16

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

All: -562.341 $\pm$ 158.070 χ^2 /NDF: 95.2/35

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

asym_sam3_correction_rms vs Slug



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

Left Out: 798.811+/-0.156 χ^2/NDF :2057516.1/18

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

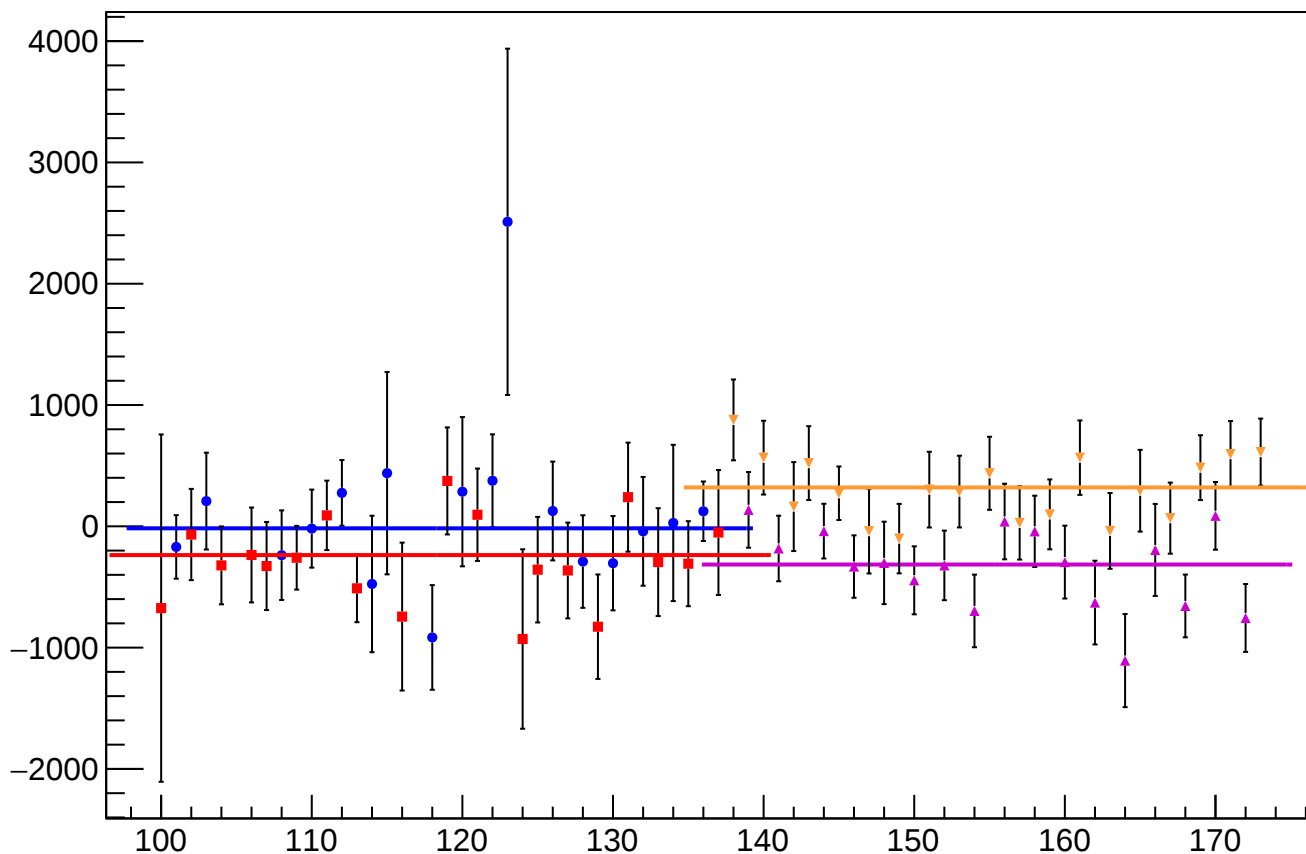
Left In: 793.412+/-0.160 χ^2/NDF :1738937.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 796.185+/-0.112 χ^2/NDF : 3797035.9/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 320.531 ± 67.948 χ^2/NDF : 14.2/18

Right Out: -236.984 ± 88.937 χ^2/NDF : 10.3/18

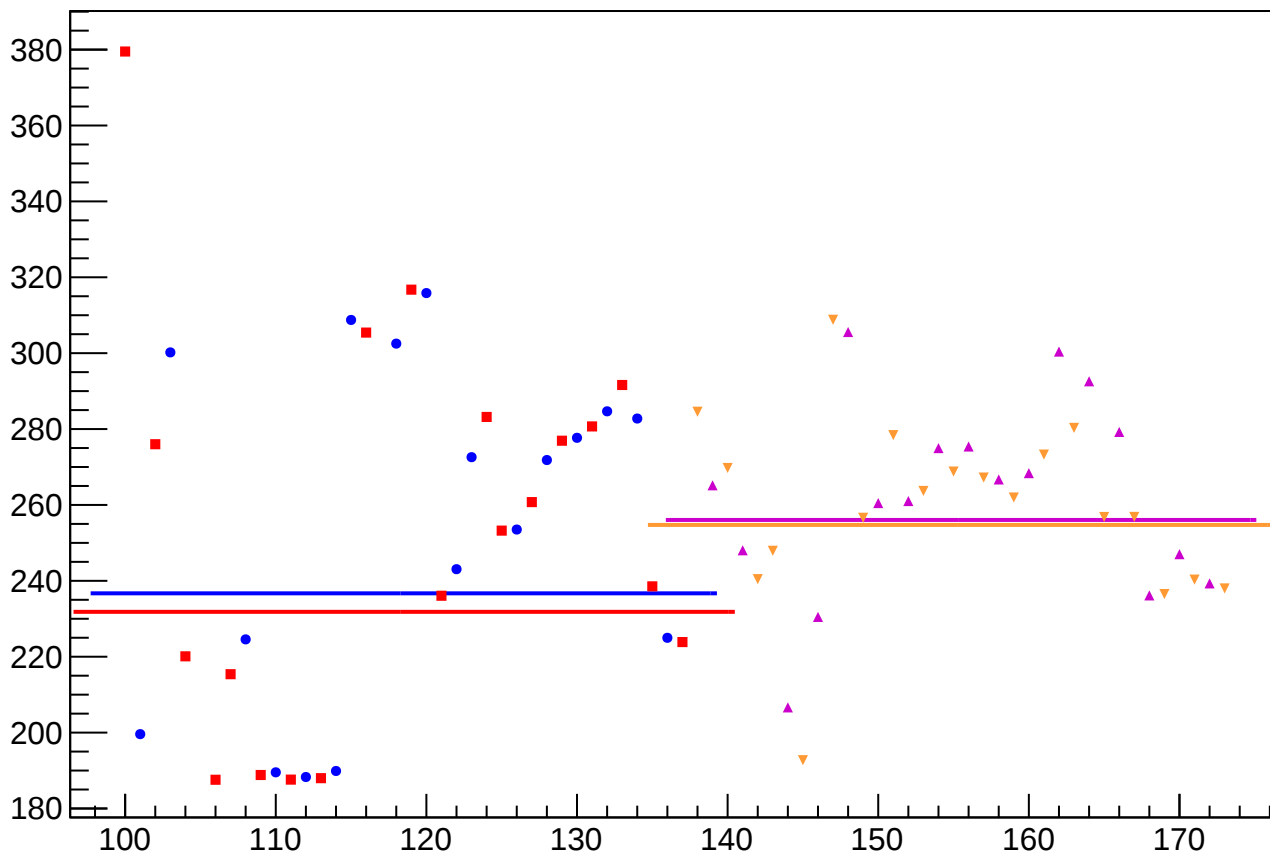
Left In: -314.949 ± 70.873 χ^2/NDF : 19.3/16

+ sign 203.715 ± 54.923 χ^2/NDF : 36.2/35

All: -38.246 ± 39.013 χ^2/NDF : 105.5/71

- sign -284.668 ± 55.427 χ^2/NDF : 30.1/35

reg_asym_sam4_rms vs Slug



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 254.732 $\pm$ 0.048 χ^2 /NDF: 296492.3/18

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

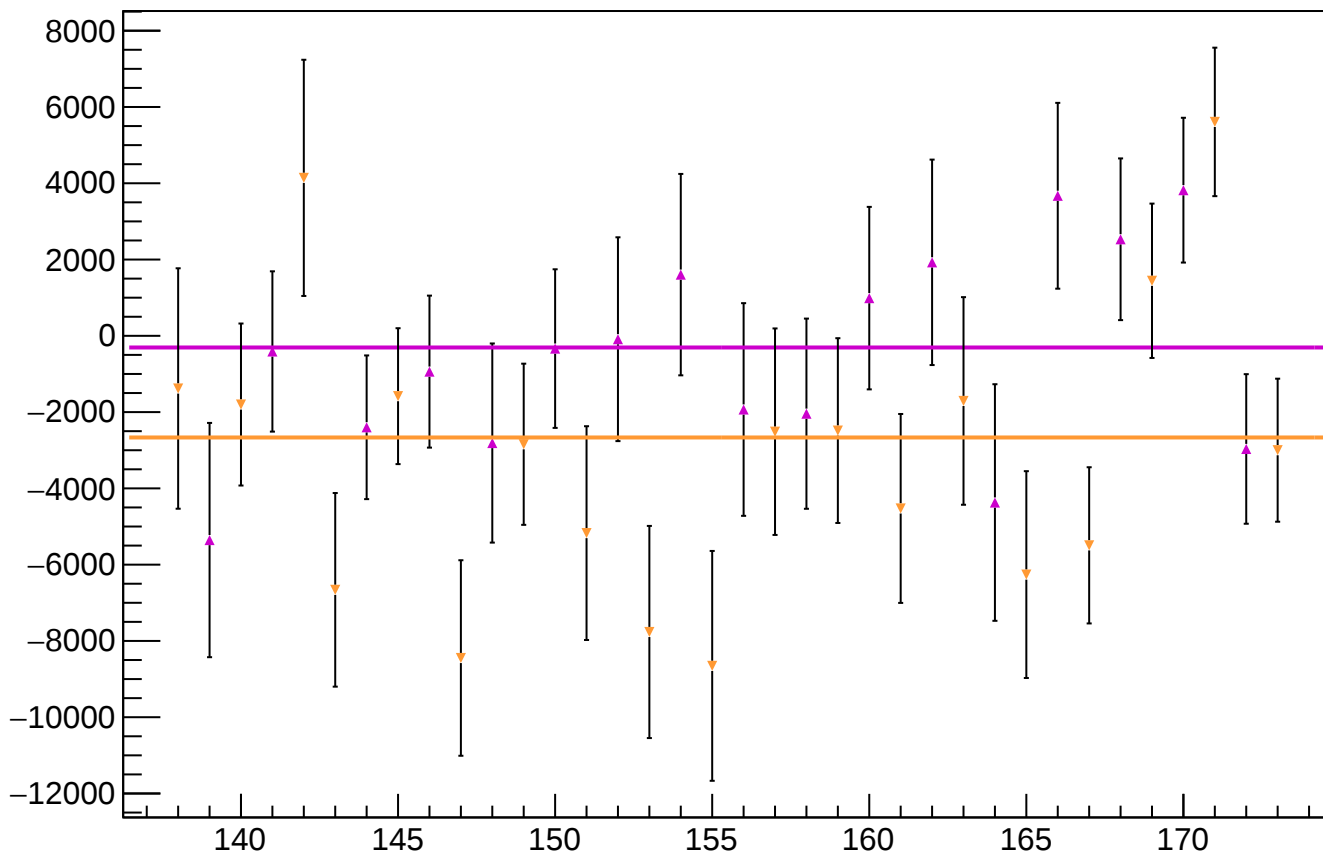
Left In: 256.045 $\pm$ 0.050 χ^2 /NDF: 264228.5/16

+ sign 248.483 $\pm$ 0.039 χ^2 /NDF: 735629.0/35

All: 247.570 $\pm$ 0.028 χ^2 /NDF: 1534945.0/71

- sign 246.640 $\pm$ 0.039 χ^2 /NDF: 798199.3/35

asym_sam4_correction_mean vs Slug



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

Left Out: -2665.244+/-541.400 χ^2/NDF : 47.8/18

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

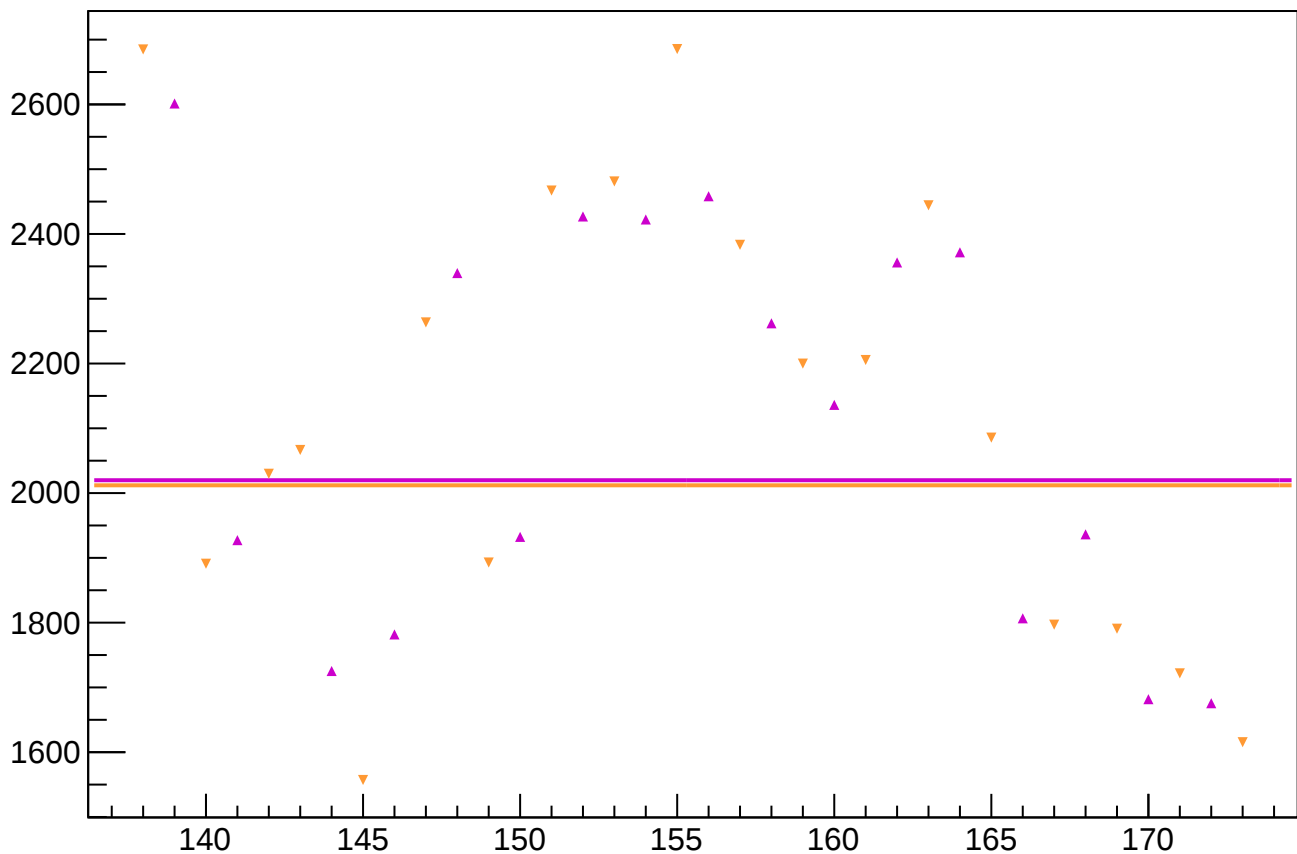
Left In: -305.819+/-562.346 χ^2/NDF : 20.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1530.290+/-390.022 χ^2/NDF : 77.0/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam4_correction_rms vs Slug



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

Left Out: 2012.009+/-0.383 χ^2/NDF : 757849.9/18

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

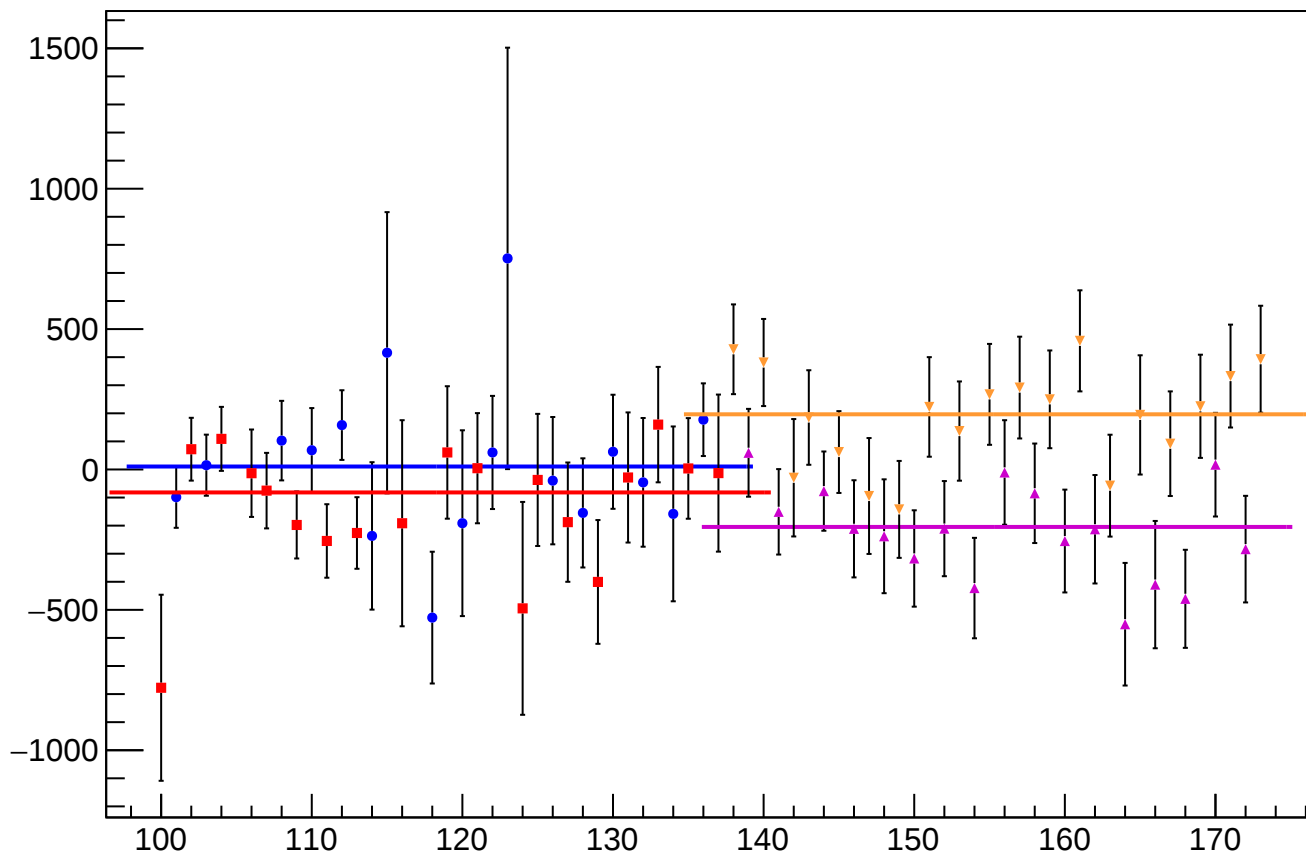
Left In: 2019.857+/-0.398 χ^2/NDF : 552920.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2015.784+/-0.276 χ^2/NDF : 1310972.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 χ^2/NDF : 14.1/16

Left Out: 196.500 ± 40.812 χ^2/NDF : 18.1/18

Right Out: -81.802 ± 38.985 χ^2/NDF : 19.2/18

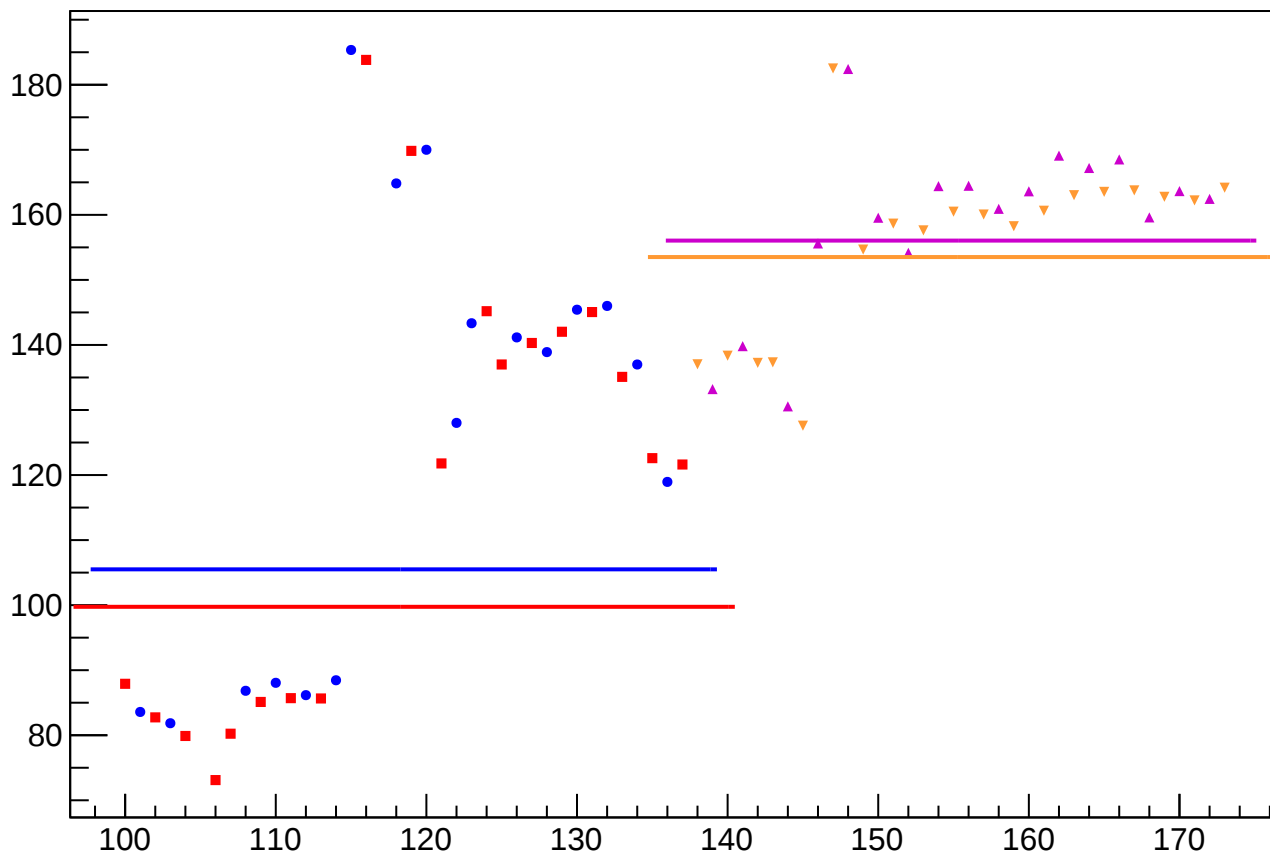
Left In: -204.655 ± 43.046 χ^2/NDF : 14.5/16

+ sign 106.830 ± 29.369 χ^2/NDF : 42.1/35

All: -17.145 ± 20.598 χ^2/NDF : 115.3/71

- sign -137.161 ± 28.896 χ^2/NDF : 38.1/35

reg_asym_sam5_rms vs Slug



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 153.514 $\pm$ 0.029 χ^2 /NDF: 218707.6/18

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

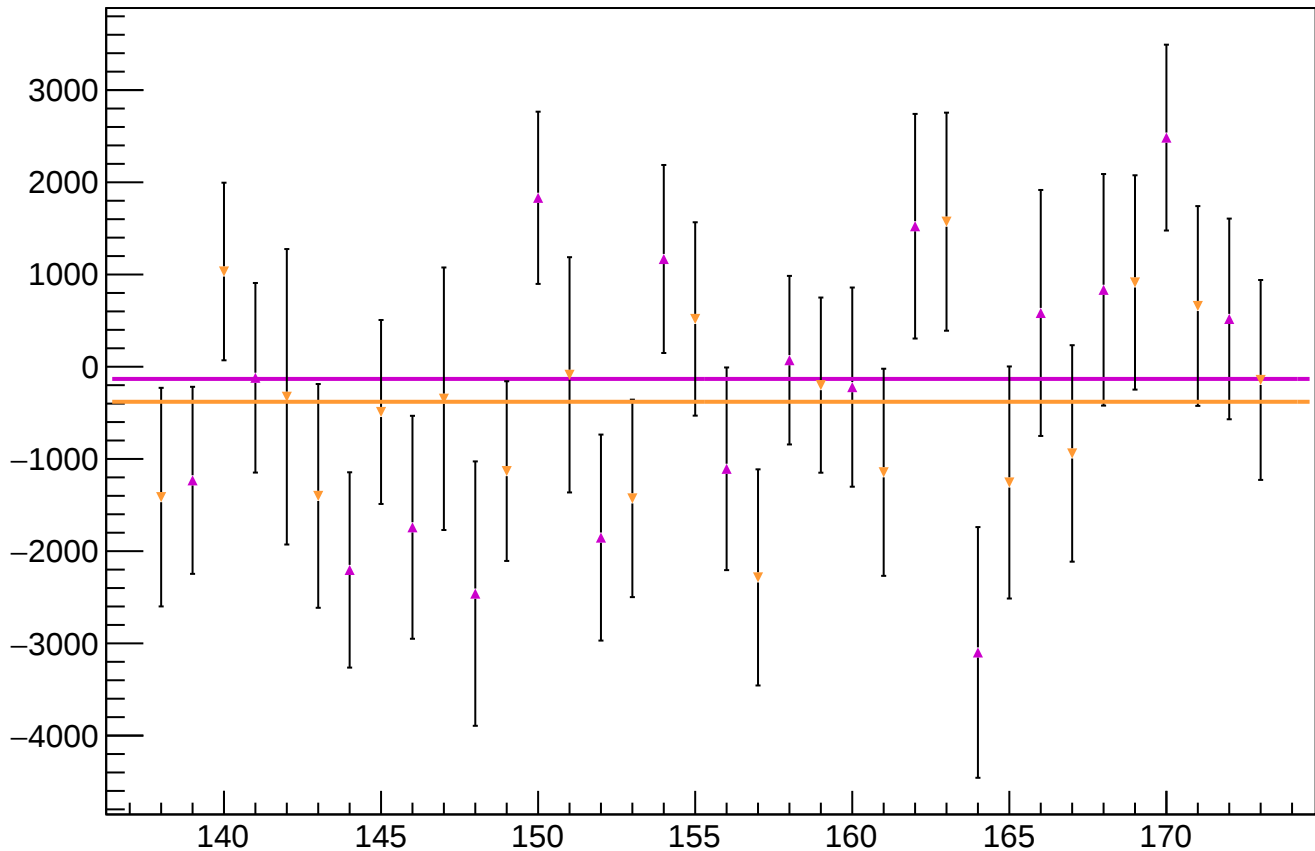
Left In: 156.044 $\pm$ 0.030 χ^2 /NDF: 205888.0/16

+ sign 130.364 $\pm$ 0.021 χ^2 /NDF: 2422289.7/35

All: 127.696 $\pm$ 0.015 χ^2 /NDF: 5540347.4/71

- sign 125.114 $\pm$ 0.020 χ^2 /NDF: 3085577.6/35

asym_sam5_correction_mean vs Slug



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

Left Out: -379.990 $\pm$ 258.599 χ^2 /NDF:14.8/18

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

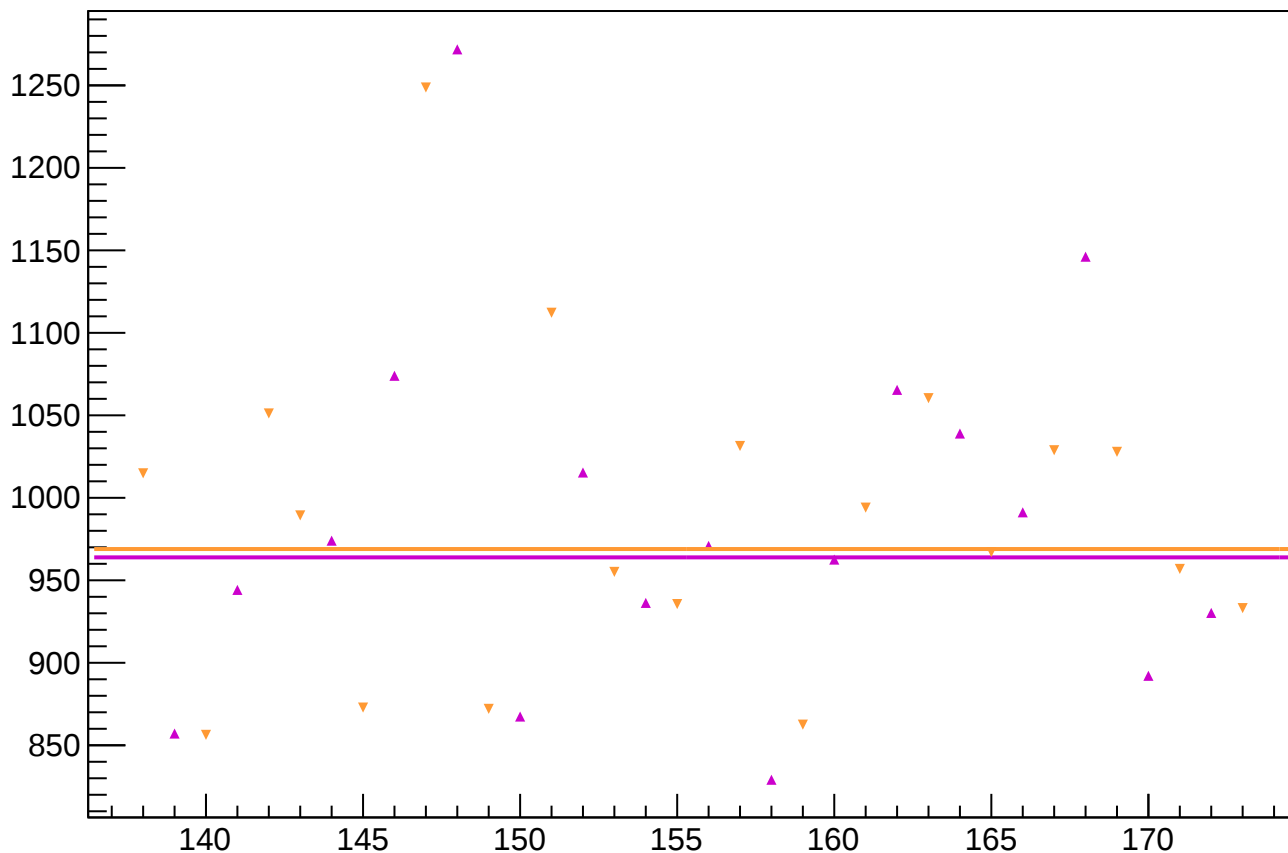
Left In: -132.182 $\pm$ 267.122 χ^2 /NDF:33.3/16

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

All: -260.103 $\pm$ 185.797 χ^2 /NDF: 48.5/35

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

asym_sam5_correction_rms vs Slug



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

Left Out: 968.957+/-0.183 χ^2/NDF : 235909.7/18

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

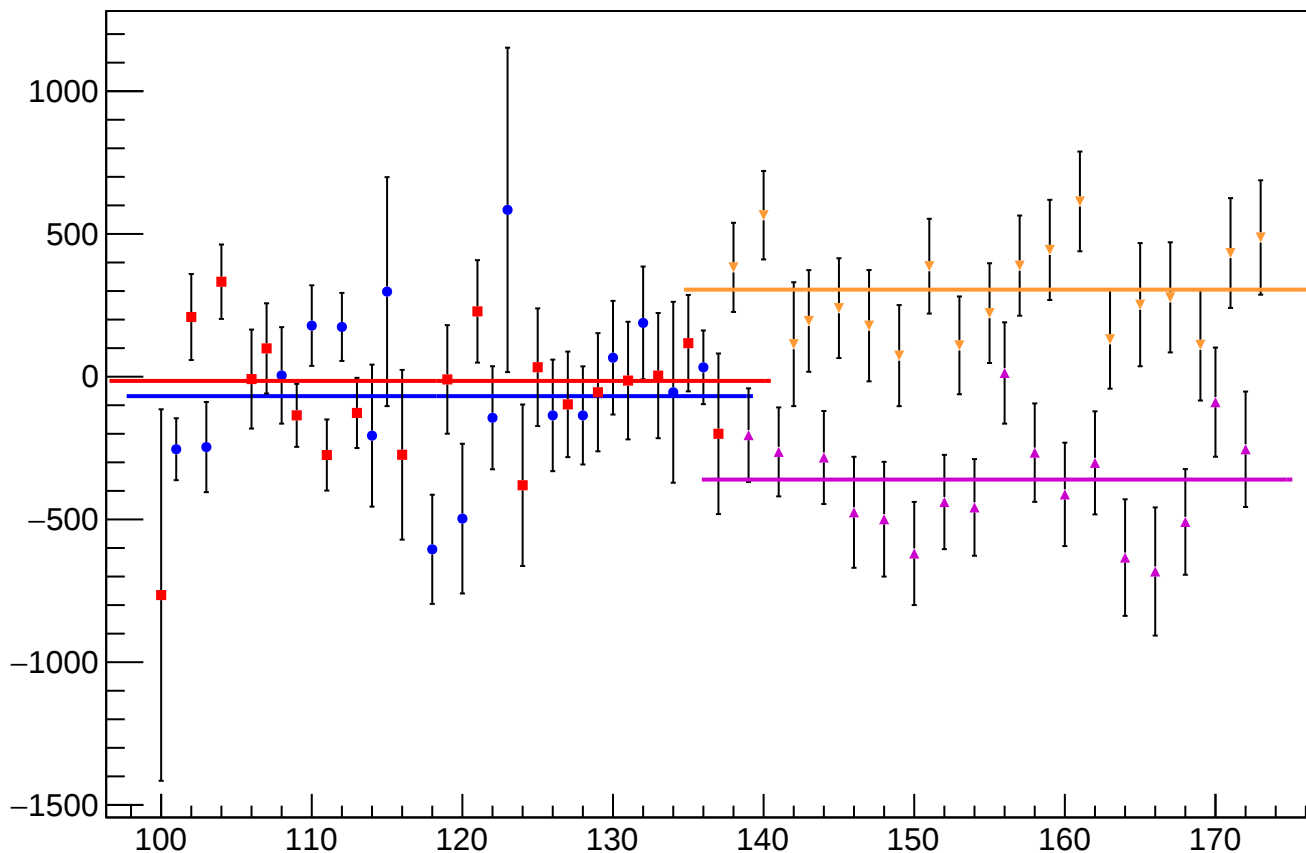
Left In: 963.899+/-0.189 χ^2/NDF : 277612.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 966.510+/-0.131 χ^2/NDF : 513892.7/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 304.944 ± 41.264 χ^2/NDF : 15.6/18

Right Out: -14.800 ± 39.467 χ^2/NDF : 23.1/18

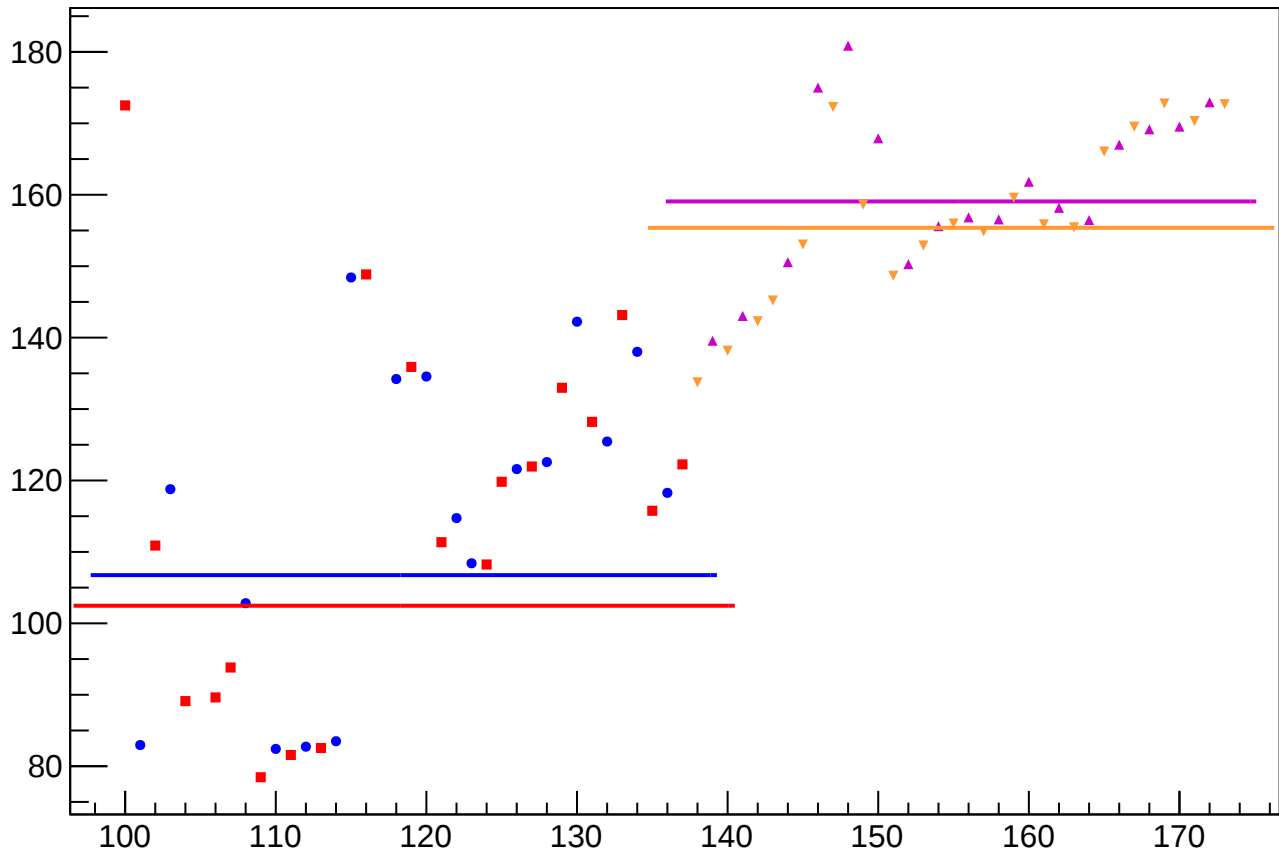
Left In: -360.346 ± 43.812 χ^2/NDF : 16.6/16

+ sign 122.886 ± 29.526 χ^2/NDF : 83.3/35

All: -24.359 ± 20.806 χ^2/NDF : 206.8/71

- sign -169.591 ± 29.323 χ^2/NDF : 74.1/35

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 155.376 $\pm$ 0.029 χ^2 /NDF:156422.9/18

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

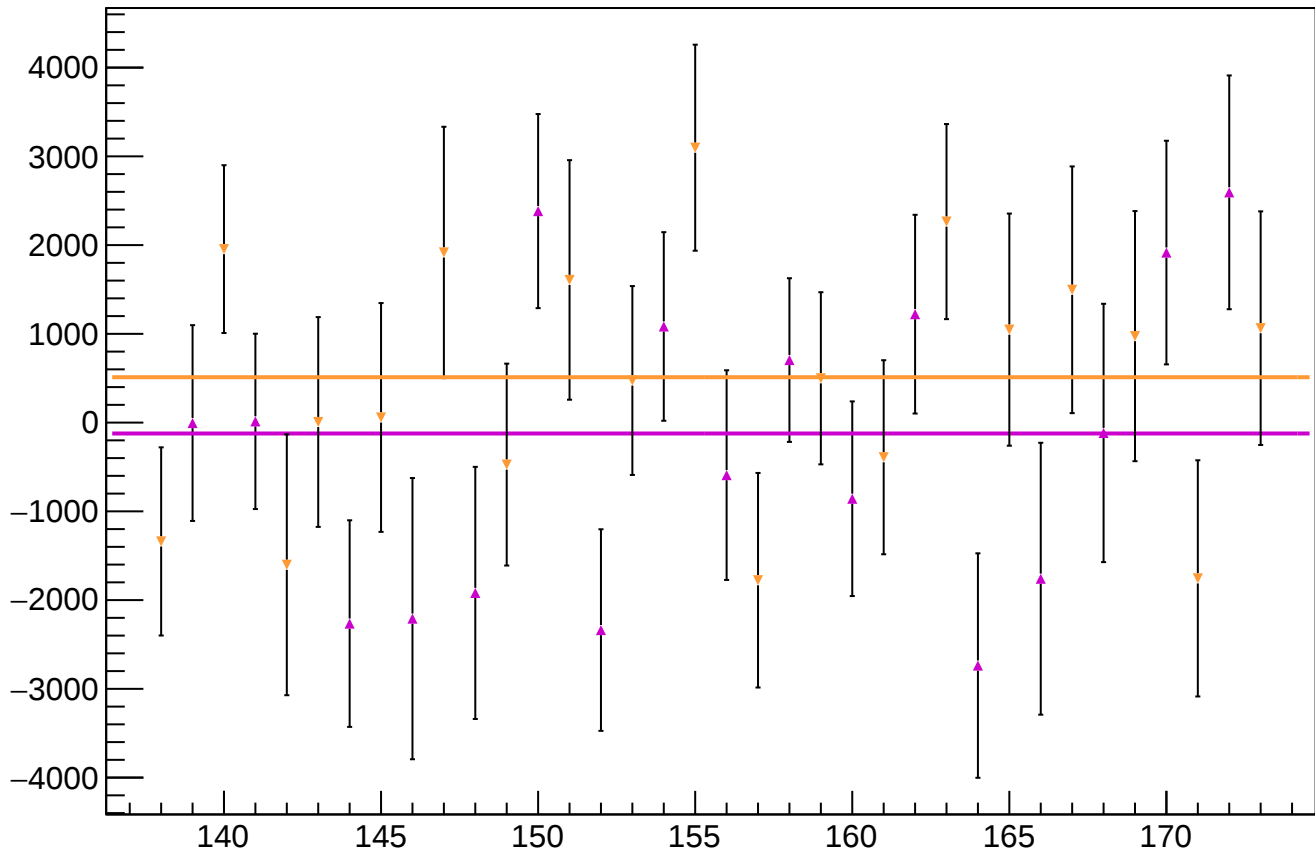
Left In: 159.066 $\pm$ 0.031 χ^2 /NDF:128678.2/16

+ sign 131.646 $\pm$ 0.021 χ^2 /NDF: 2013567.5/35

All: 129.720 $\pm$ 0.015 χ^2 /NDF: 4591097.5/71

- sign 127.821 $\pm$ 0.021 χ^2 /NDF: 2560639.3/35

asym_sam6_correction_mean vs Slug



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

Left Out: 511.304 $\pm$ 273.236 χ^2 /NDF:25.8/18

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

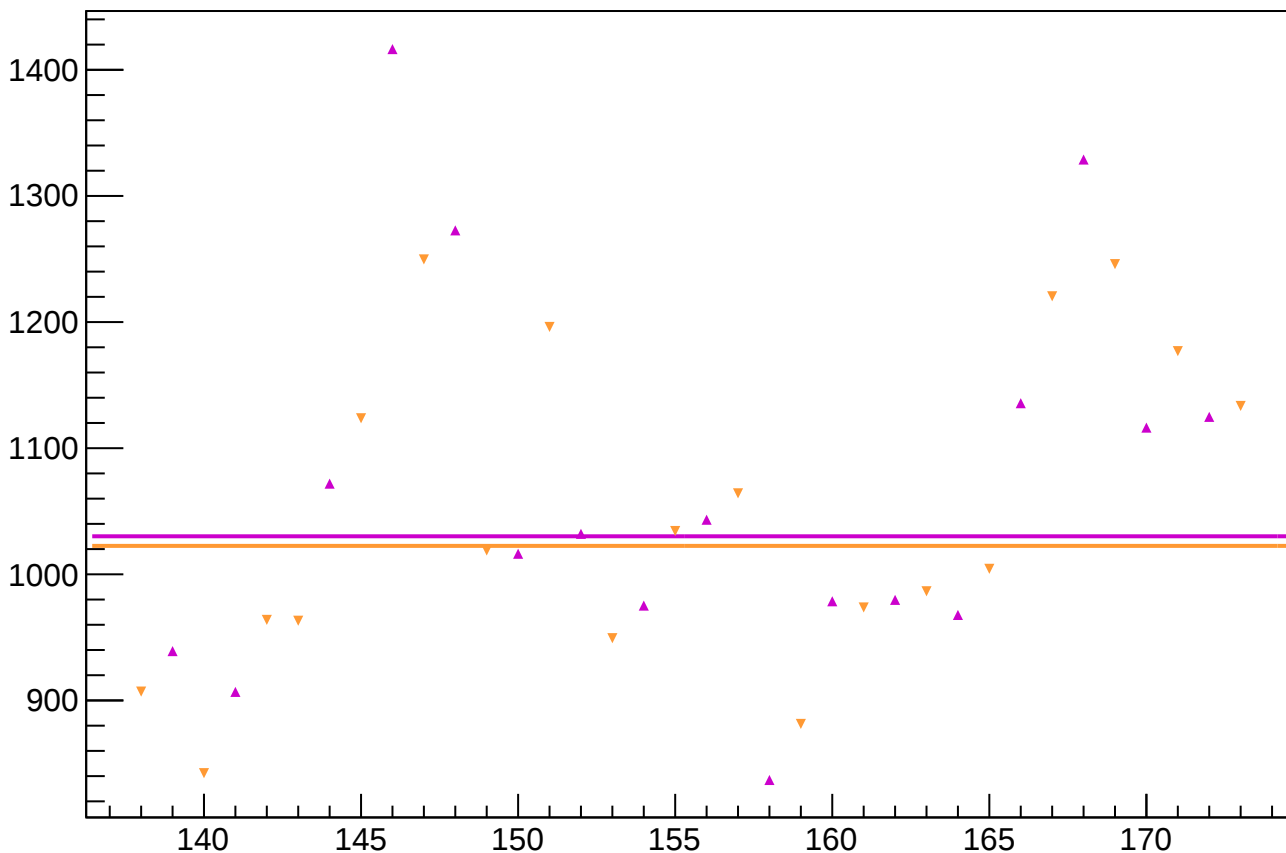
Left In: -122.687 $\pm$ 285.968 χ^2 /NDF:32.2/16

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

All: 208.736 $\pm$ 197.555 χ^2 /NDF: 60.6/35

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

asym_sam6_correction_rms vs Slug



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

Left Out: 1022.548+/-0.193 χ^2/NDF : 394392.2/18

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

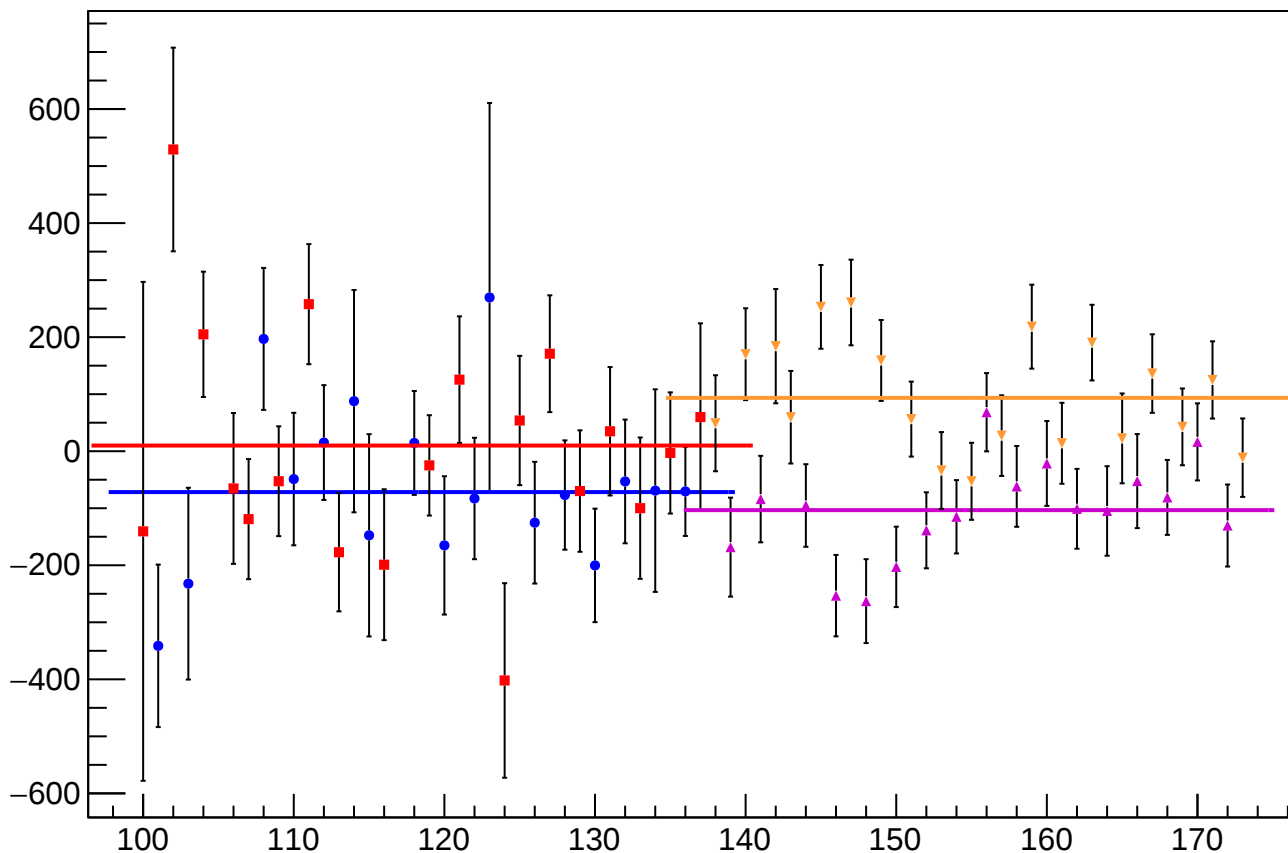
Left In: 1030.154+/-0.202 χ^2/NDF : 445116.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1026.178+/-0.140 χ^2/NDF : 840248.5/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 χ^2/NDF : 15.2/16

Left Out: 93.526 ± 16.640 χ^2/NDF : 32.8/18

Right Out: 9.917 ± 26.816 χ^2/NDF : 36.5/18

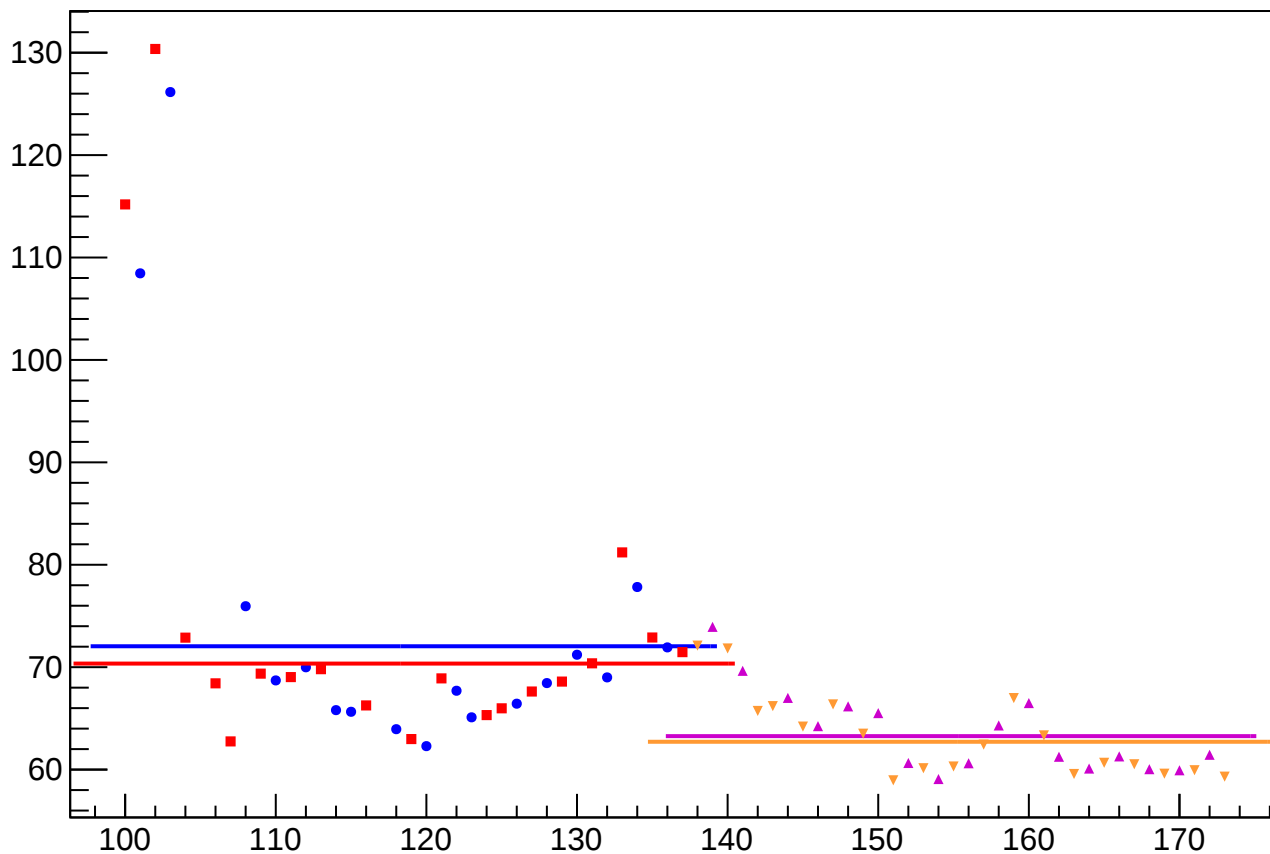
Left In: -103.320 ± 17.415 χ^2/NDF : 23.7/16

+ sign 51.216 ± 14.352 χ^2/NDF : 73.2/35

All: -8.197 ± 10.237 χ^2/NDF : 180.8/71

- sign -69.729 ± 14.605 χ^2/NDF : 72.7/35

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 62.717 $\pm$ 0.012 χ^2 /NDF:101143.2/18

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

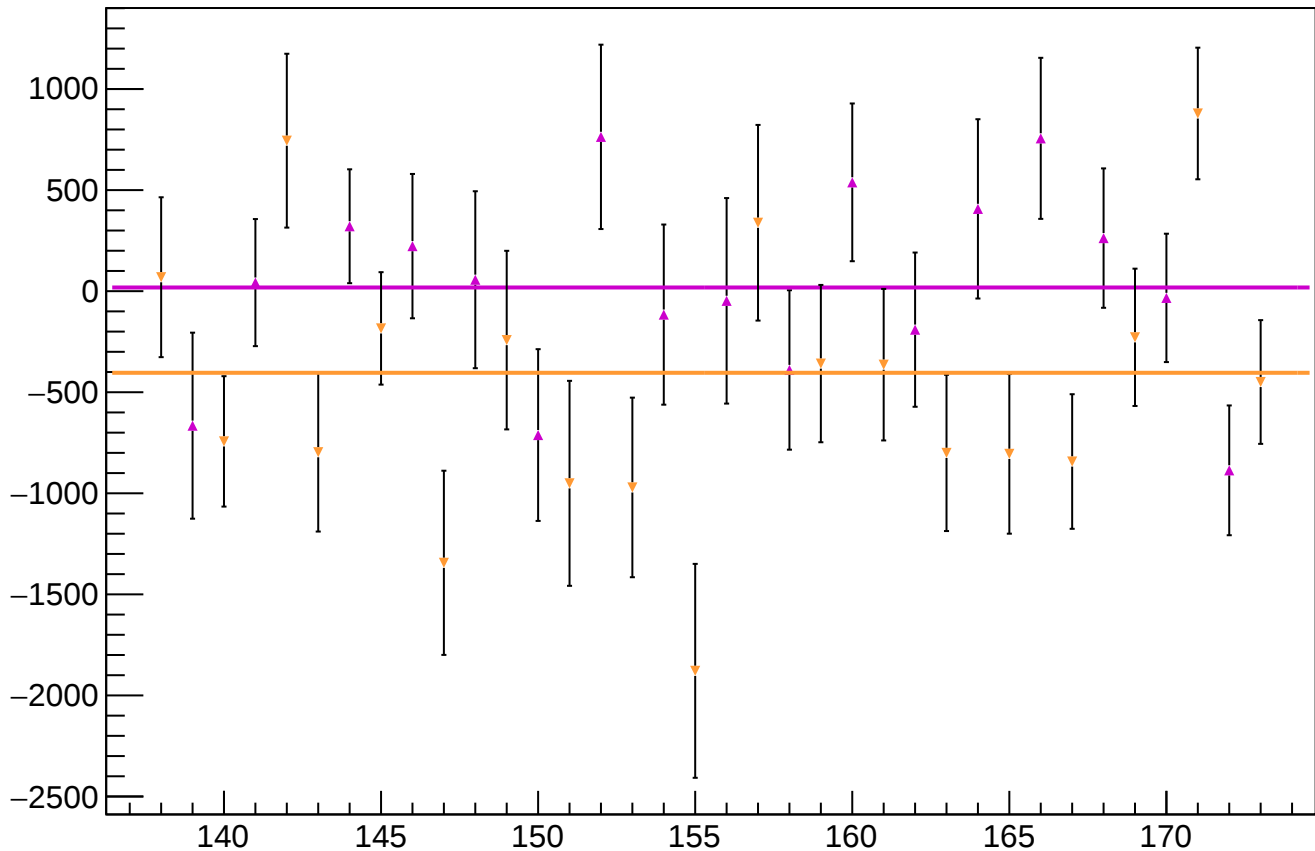
Left In: 63.266 $\pm$ 0.012 χ^2 /NDF:91032.3/16

+ sign 65.105 $\pm$ 0.010 χ^2 /NDF: 654005.4/35

All: 65.234 $\pm$ 0.007 χ^2 /NDF: 1142554.1/71

- sign 65.368 $\pm$ 0.010 χ^2 /NDF: 488219.4/35

asym_sam7_correction_mean vs Slug



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

Left Out: -403.813 $\pm$ 86.979 χ^2 /NDF:48.3/18

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

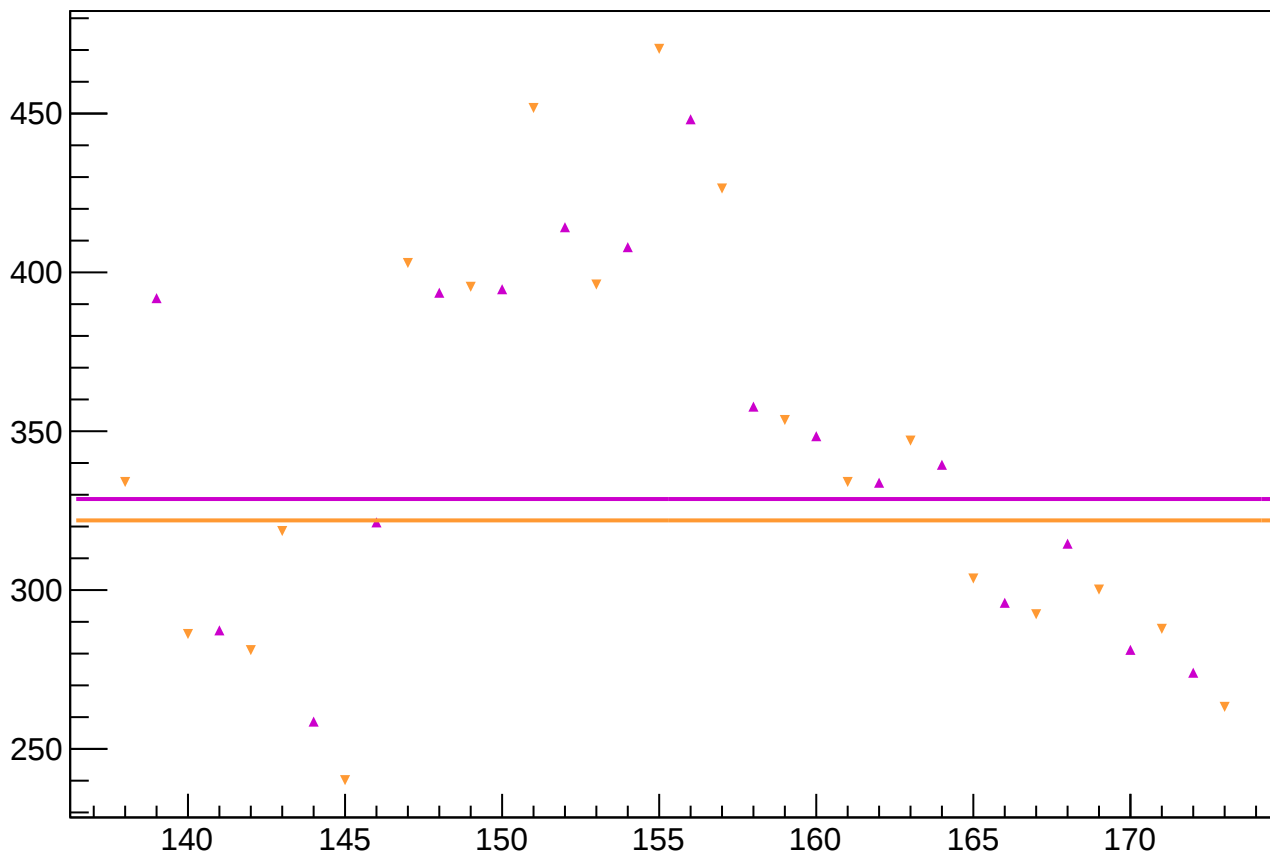
Left In: 18.208 $\pm$ 91.656 χ^2 /NDF:25.3/16

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

All: -203.845 $\pm$ 63.092 χ^2 /NDF: 84.7/35

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

asym_sam7_correction_rms vs Slug



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

Left Out: 321.930+/-0.062 χ^2/NDF : 921121.7/18

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

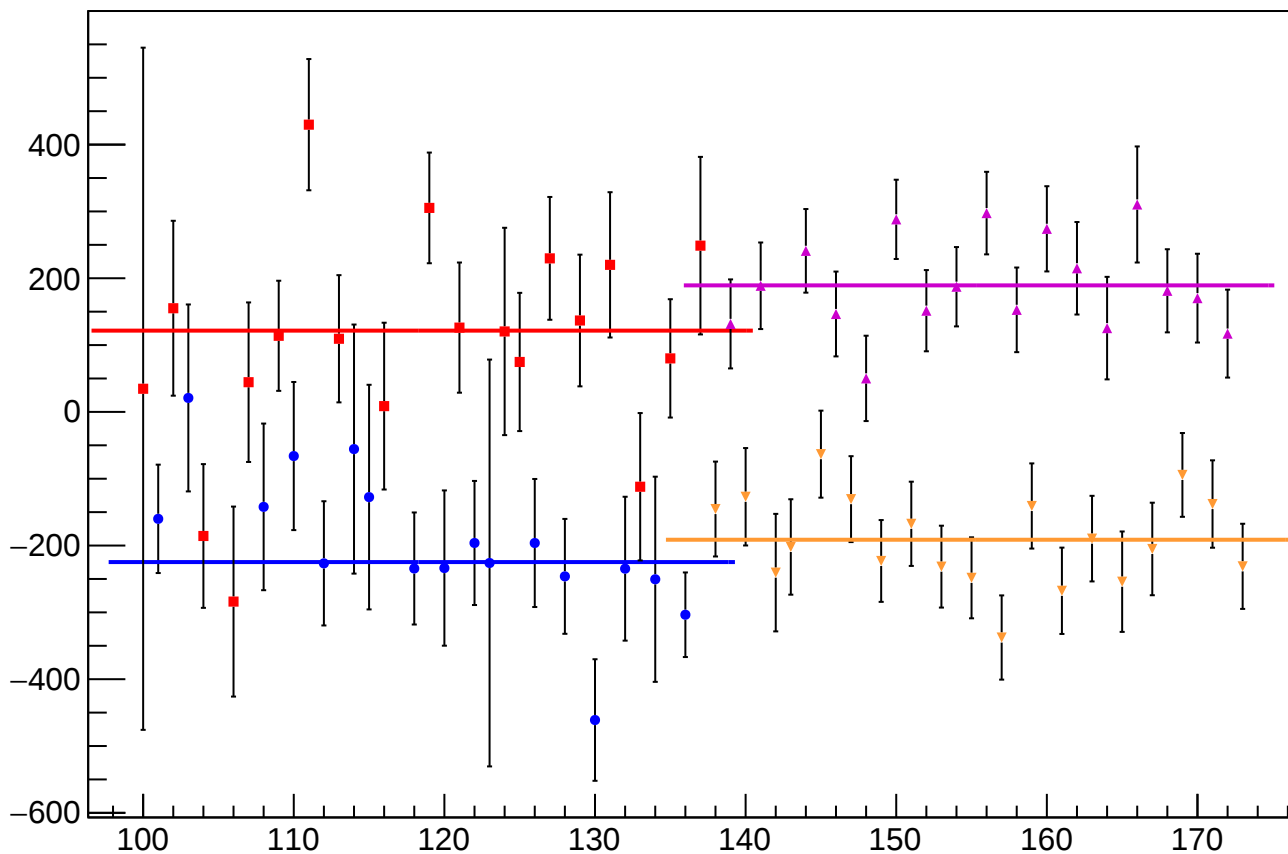
Left In: 328.657+/-0.065 χ^2/NDF : 670540.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 325.117+/-0.045 χ^2/NDF : 1597330.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -191.305 ± 15.164 χ^2/NDF : 19.6/18

Right Out: 121.633 ± 24.599 χ^2/NDF : 40.5/18

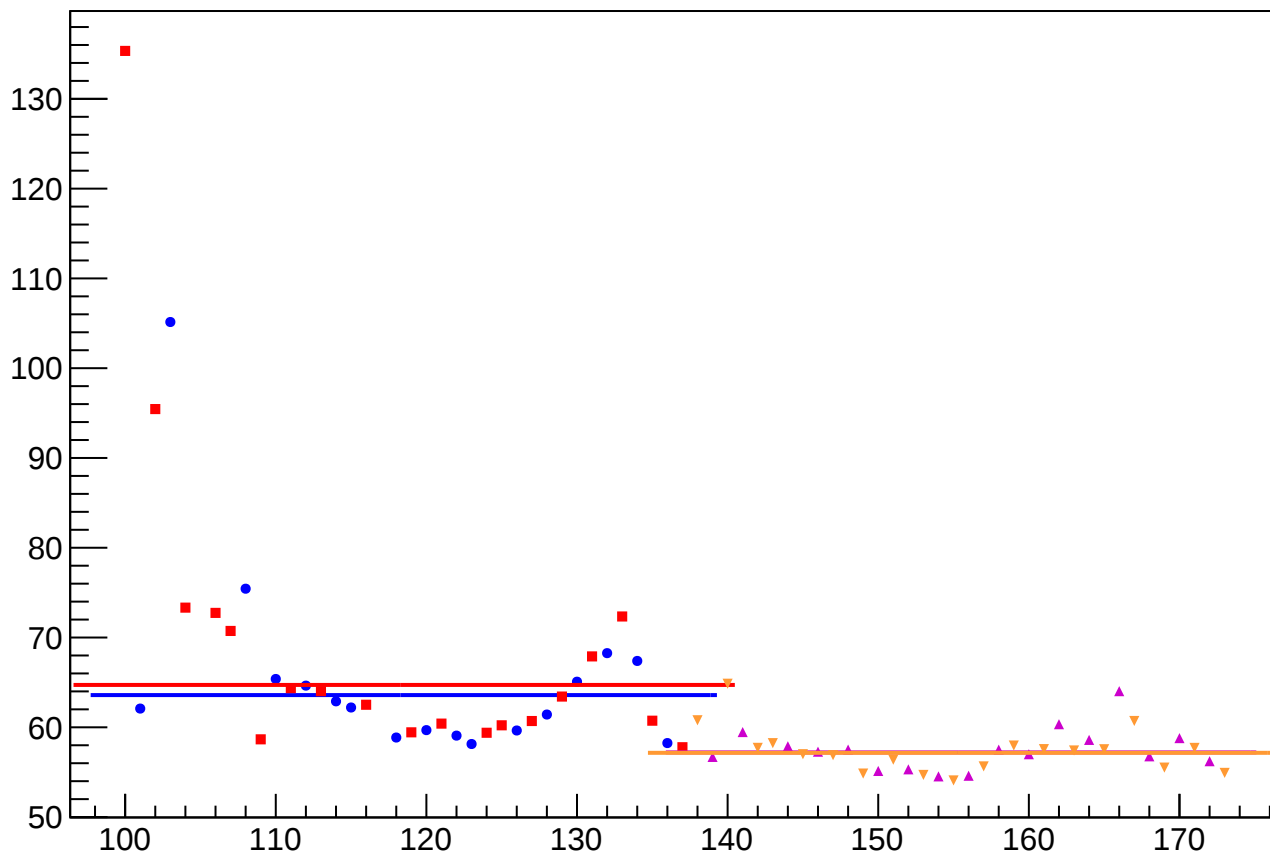
Left In: 189.345 ± 15.741 χ^2/NDF : 19.0/16

+ sign -200.357 ± 12.948 χ^2/NDF : 36.9/35

All: -19.725 ± 9.264 χ^2/NDF : 500.5/71

- sign 169.674 ± 13.259 χ^2/NDF : 64.9/35

reg_asym_sam8_rms vs Slug



Right In: 63.589 ± 0.018 χ^2/NDF : 234601.0/16

Left Out: 57.158 ± 0.011 χ^2/NDF : 50477.8/18

Right Out: 64.720 ± 0.017 χ^2/NDF : 227506.4/18

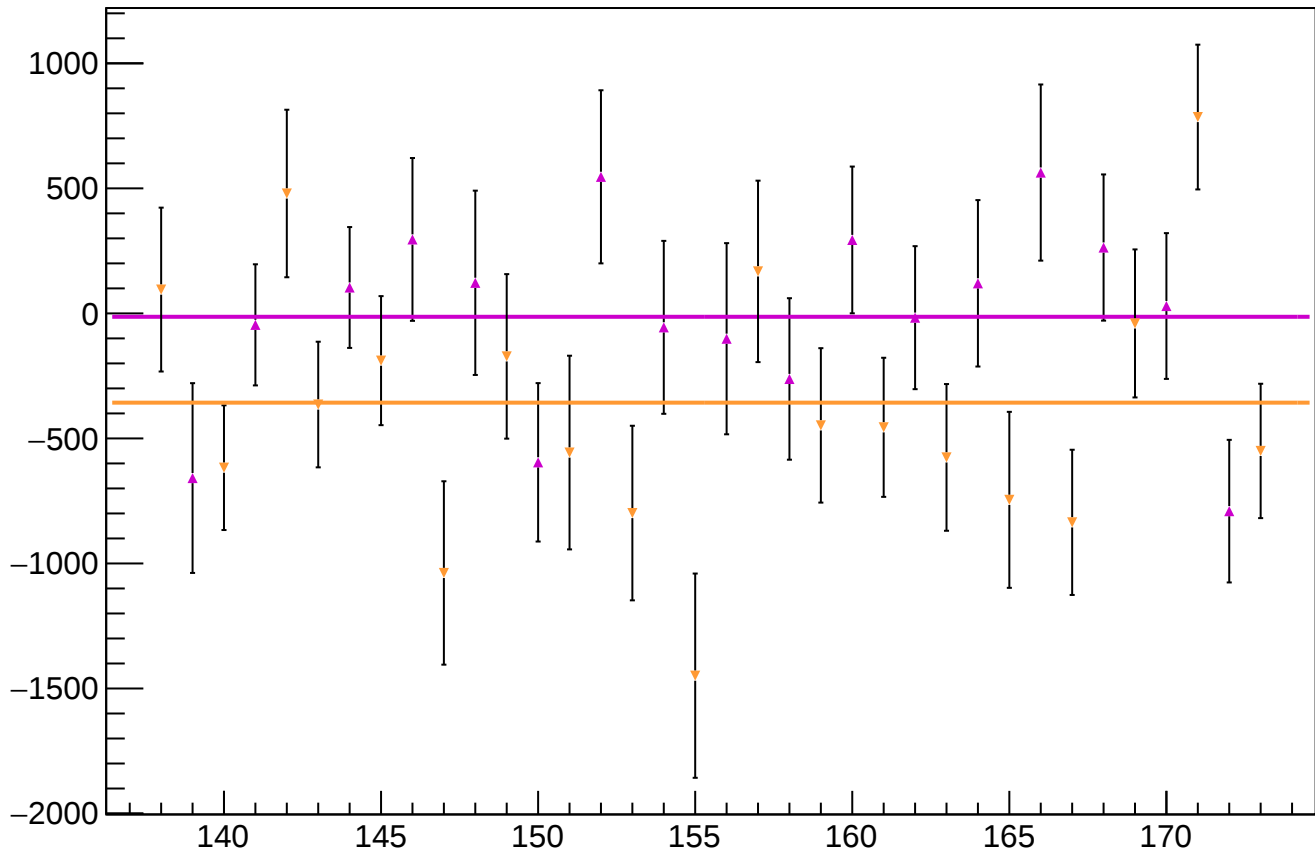
Left In: 57.206 ± 0.011 χ^2/NDF : 33663.2/16

+ sign 58.900 ± 0.009 χ^2/NDF : 382503.1/35

All: 59.139 ± 0.007 χ^2/NDF : 777450.2/71

- sign 59.389 ± 0.009 χ^2/NDF : 393553.2/35

asym_sam8_correction_mean vs Slug



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

Left Out: -356.922+/-70.272 χ^2/NDF : 46.5/18

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

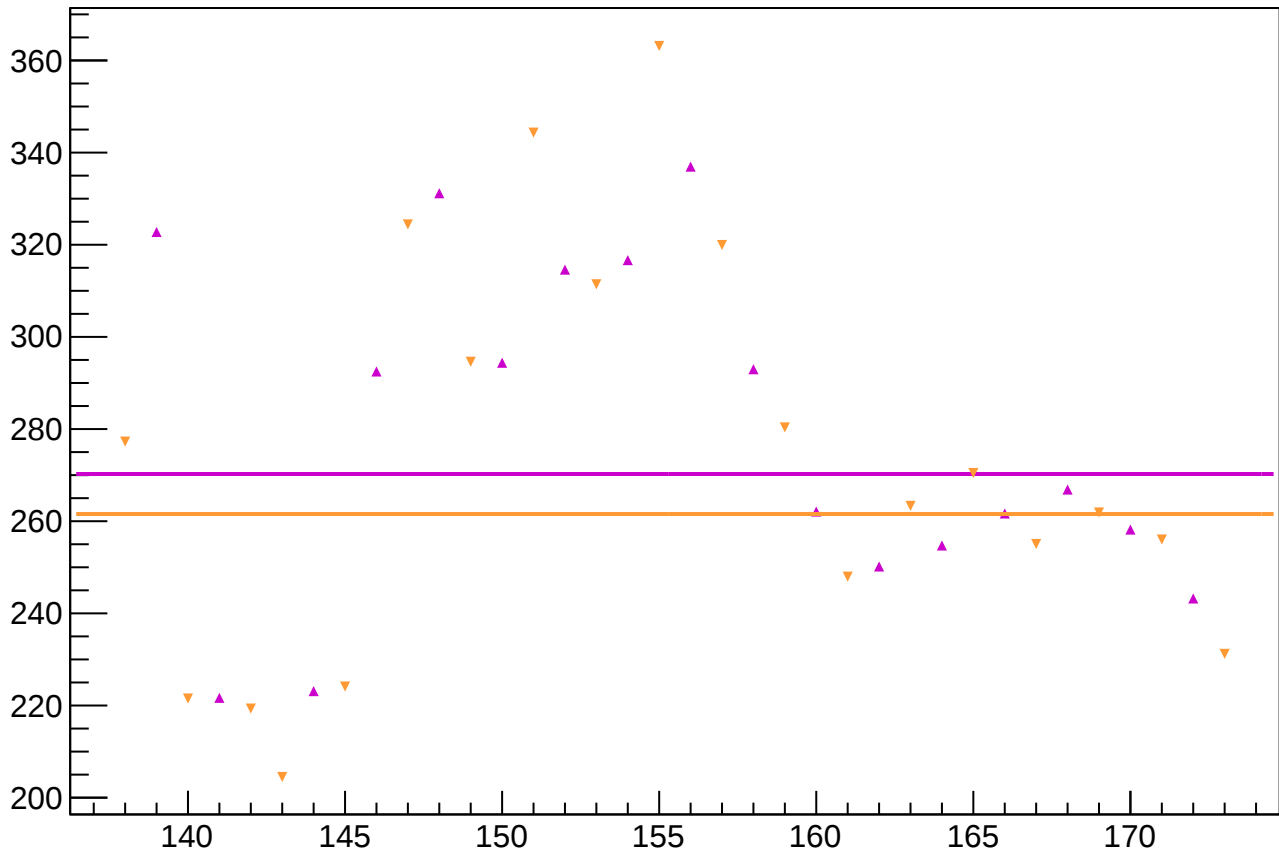
Left In: -13.561+/-75.007 χ^2/NDF : 23.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -196.421+/-51.282 χ^2/NDF : 80.7/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam8_correction_rms vs Slug



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

Left Out: 261.558+/-0.050 χ^2/NDF : 660703.8/18

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

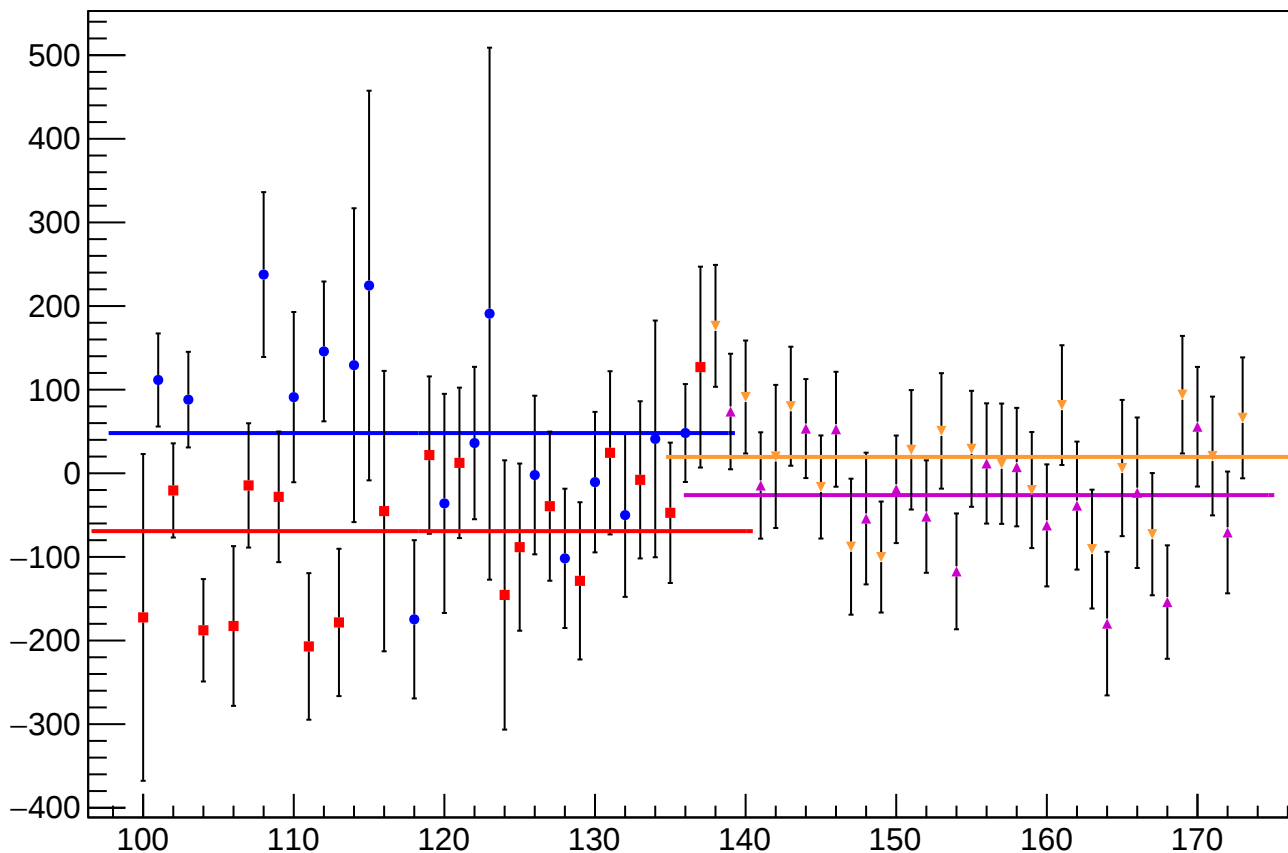
Left In: 270.243+/-0.053 χ^2/NDF : 448755.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 265.618+/-0.036 χ^2/NDF : 1123739.3/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109 ± 21.510 $\chi^2/\text{NDF}: 19.0/16$

Left Out: 19.575 ± 16.395 $\chi^2/\text{NDF}: 18.7/18$

Right Out: -69.156 ± 20.407 $\chi^2/\text{NDF}: 17.7/18$

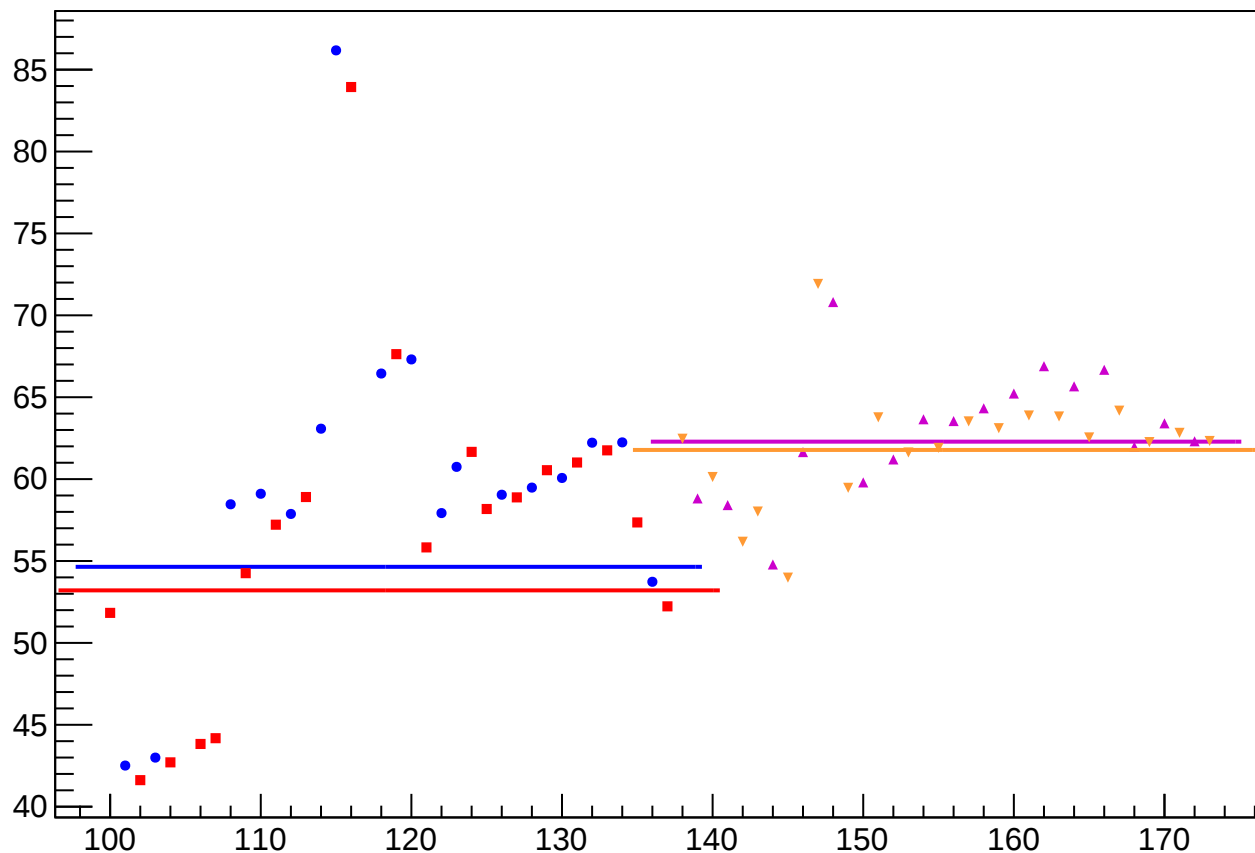
Left In: -26.094 ± 17.154 $\chi^2/\text{NDF}: 16.5/16$

+ sign 30.060 ± 13.039 $\chi^2/\text{NDF}: 38.8/35$

All: -6.672 ± 9.252 $\chi^2/\text{NDF}: 91.5/71$

- sign -43.924 ± 13.131 $\chi^2/\text{NDF}: 36.7/35$

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 61.781 $\pm$ 0.012 χ^2 /NDF: 90836.7/18

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

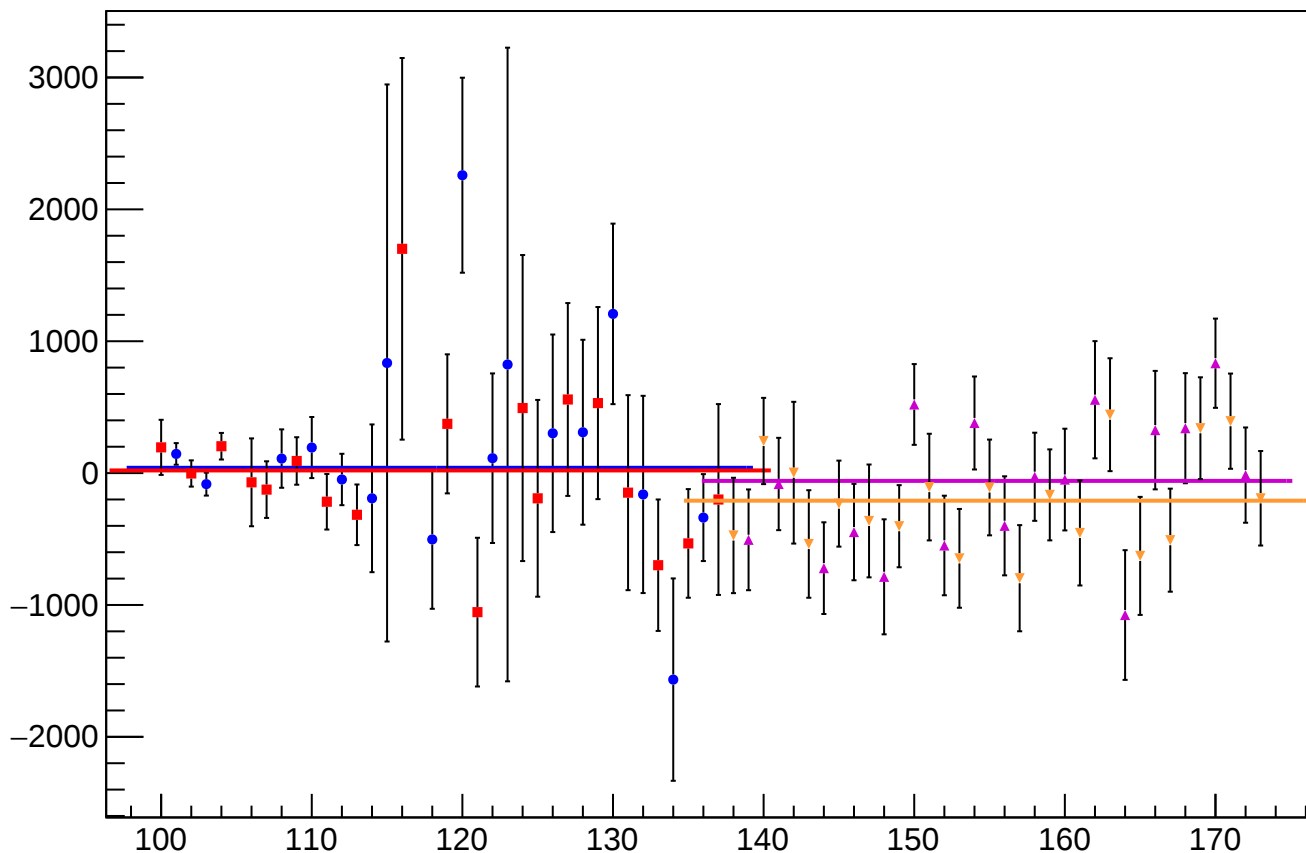
Left In: 62.288 $\pm$ 0.012 χ^2 /NDF: 93578.9/16

+ sign 59.159 $\pm$ 0.009 χ^2 /NDF: 549378.9/35

All: 58.845 $\pm$ 0.007 χ^2 /NDF: 1263627.7/71

- sign 58.528 $\pm$ 0.009 χ^2 /NDF: 711923.3/35

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 ± 51.542 χ^2/NDF : 23.9/16

Left Out: -209.132 ± 87.668 χ^2/NDF : 16.2/18

Right Out: 20.232 ± 53.274 χ^2/NDF : 18.9/18

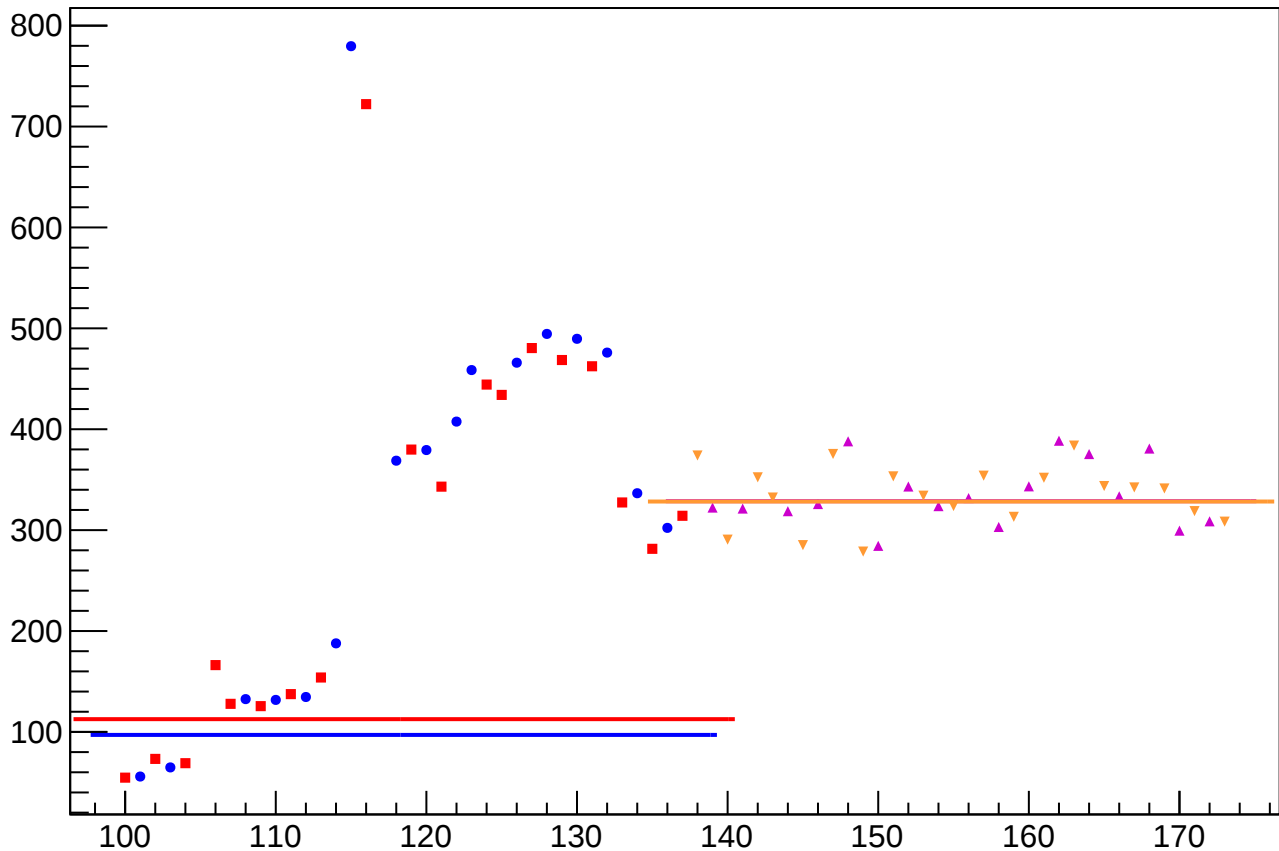
Left In: -59.101 ± 90.982 χ^2/NDF : 31.4/16

+ sign -23.840 ± 44.432 χ^2/NDF : 46.1/35

All: -12.338 ± 31.949 χ^2/NDF : 97.1/71

- sign -0.024 ± 45.973 χ^2/NDF : 50.8/35

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 328.353+/-0.062 χ^2/NDF : 238474.9/18

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

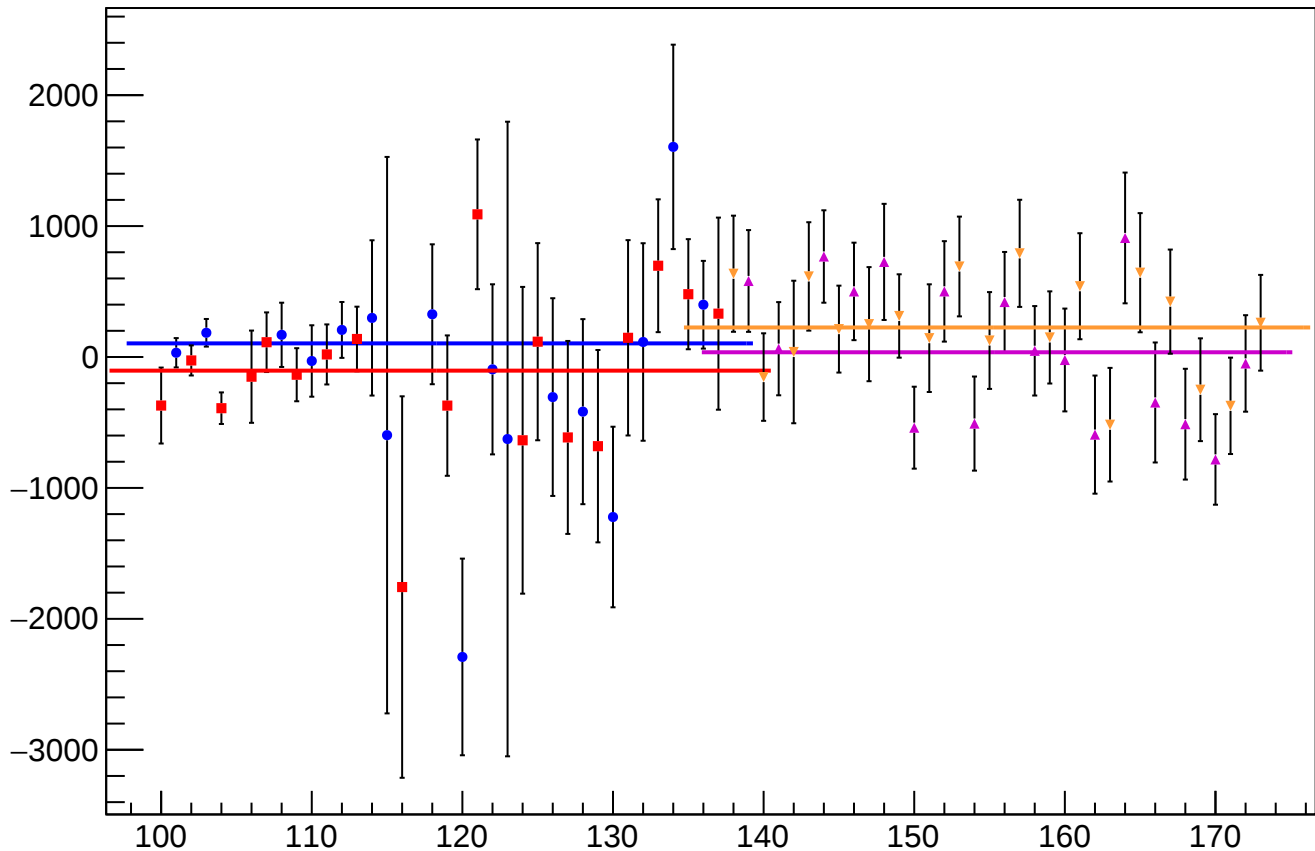
Left In: 328.693+/-0.064 χ^2/NDF : 206921.9/16

+ sign 156.456+/-0.031 χ^2/NDF : 16405223.5/35

All: 161.941+/-0.023 χ^2/NDF : 30109136.7/71

- sign 167.813+/-0.033 χ^2/NDF : 13640800.2/35

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 225.545 $\pm$ 89.257 χ^2 /NDF:15.5/18

Right Out: -104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

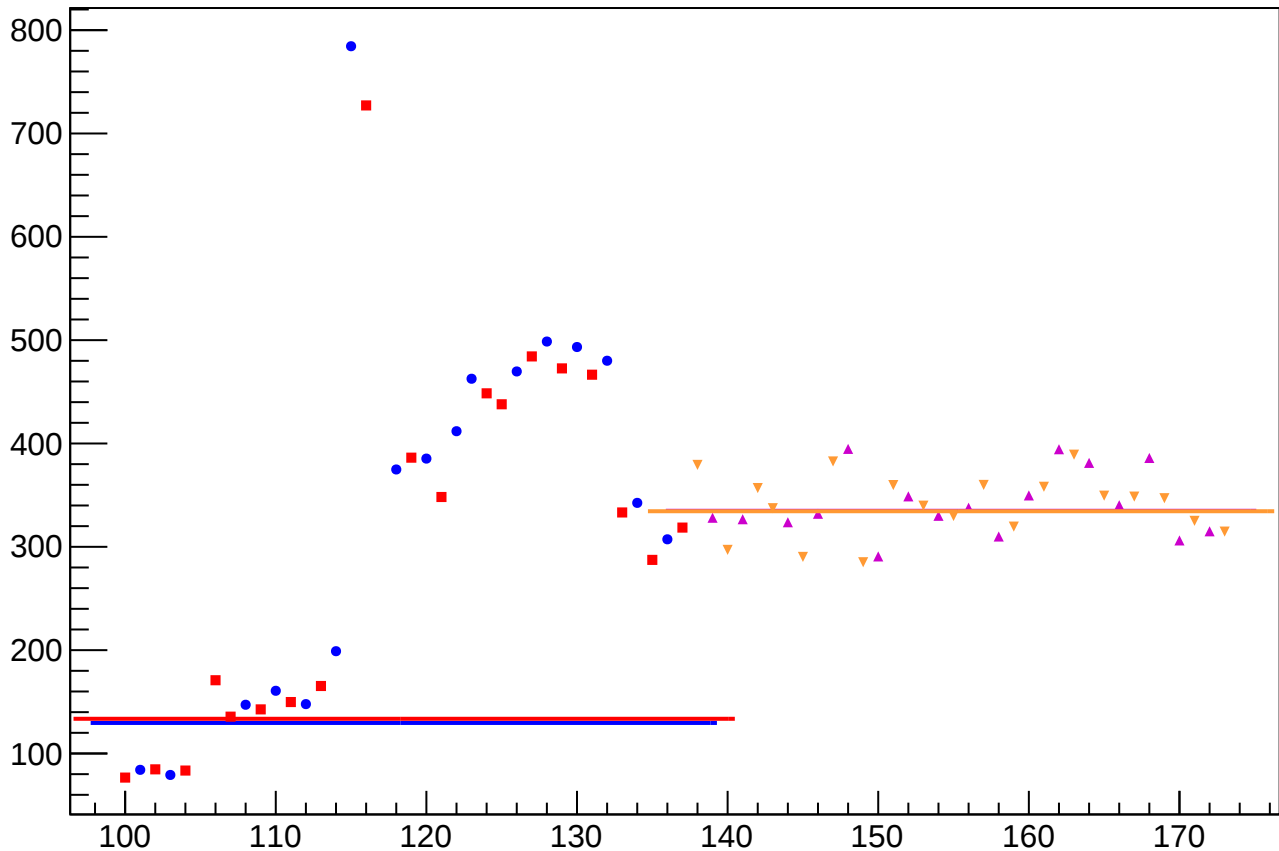
Left In: 36.128 $\pm$ 92.659 χ^2 /NDF:31.5/16

+ sign 144.551 $\pm$ 51.556 χ^2 /NDF: 38.1/35

All: 39.954 $\pm$ 36.209 χ^2 /NDF: 100.6/71

- sign -61.868 $\pm$ 50.867 χ^2 /NDF: 54.4/35

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 334.437+/-0.063 χ^2/NDF :229093.7/18

Right Out: 133.593+/-0.043 χ^2/NDF : 4366252.1/18

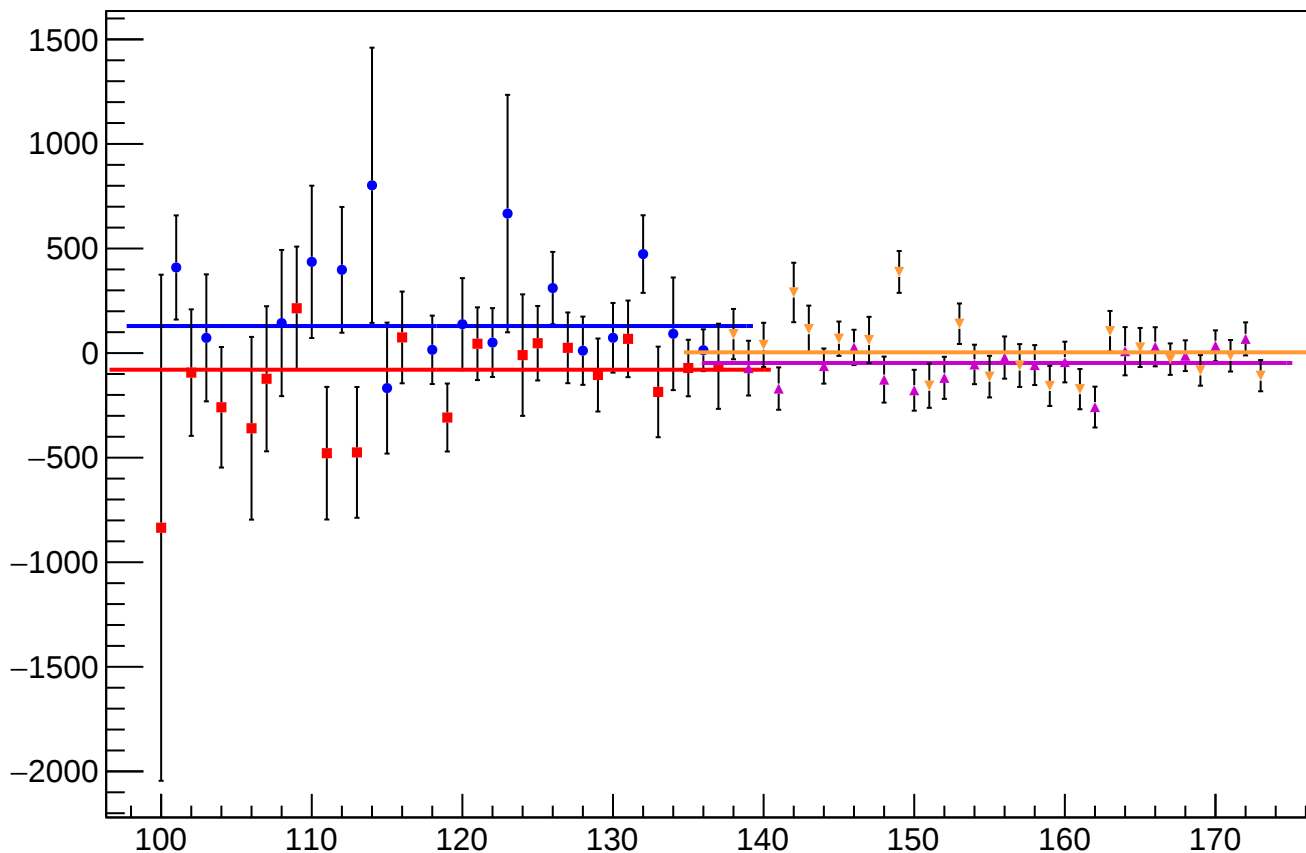
Left In: 334.875+/-0.066 χ^2/NDF :197849.6/16

+ sign 197.907+/-0.036 χ^2/NDF : 12023863.4/35

All: 196.055+/-0.026 χ^2/NDF : 23186558.4/71

- sign 194.252+/-0.036 χ^2/NDF : 11157601.9/35

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 ± 49.122 χ^2/NDF : 12.9/16

Left Out: 3.690 ± 21.492 χ^2/NDF : 38.5/18

Right Out: -79.483 ± 49.886 χ^2/NDF : 10.2/18

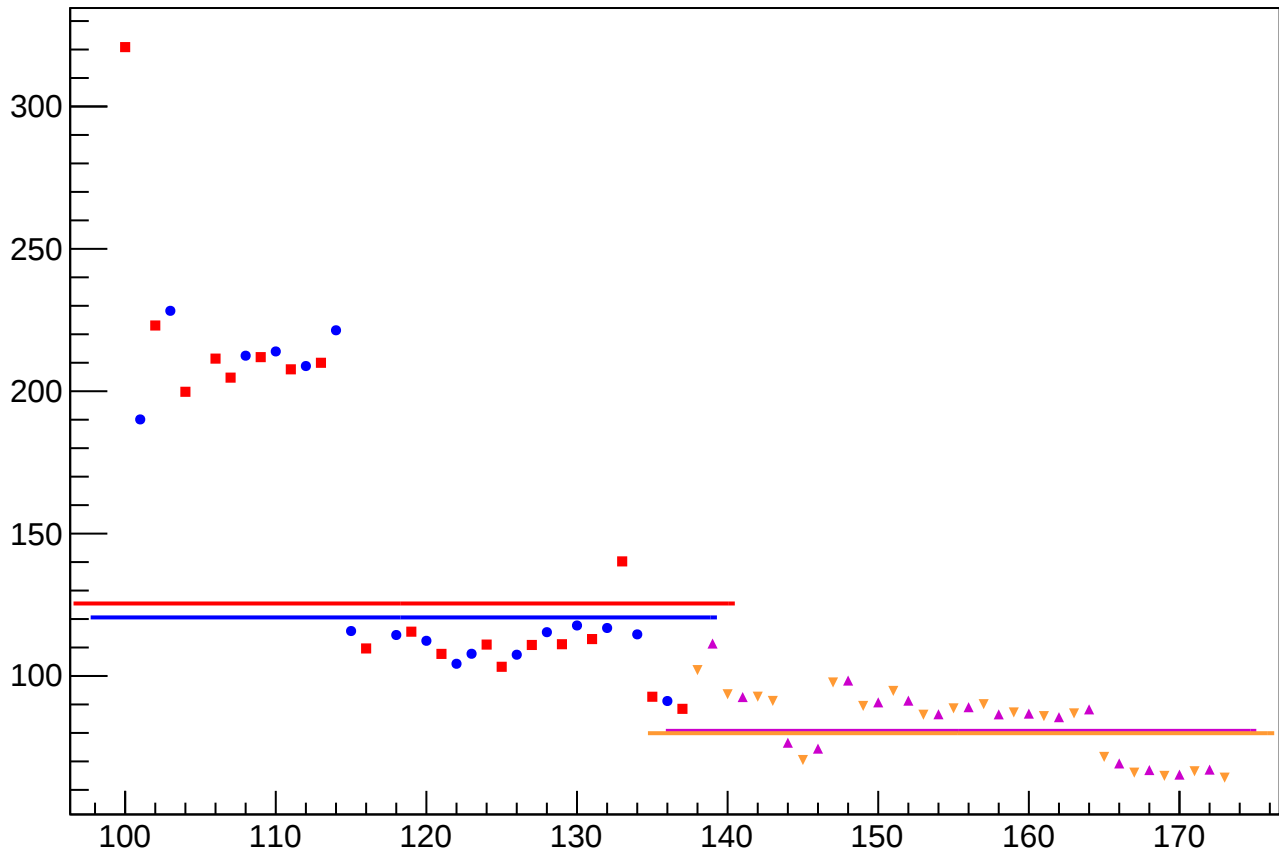
Left In: -47.278 ± 22.508 χ^2/NDF : 14.4/16

+ sign 23.887 ± 19.690 χ^2/NDF : 56.9/35

All: -12.843 ± 14.206 χ^2/NDF : 89.1/71

- sign -52.725 ± 20.517 χ^2/NDF : 24.9/35

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565+/-0.035 χ^2/NDF : 1112076.4/16

Left Out: 79.907+/-0.015 χ^2/NDF : 664932.0/18

Right Out: 125.458+/-0.035 χ^2/NDF : 1333754.6/18

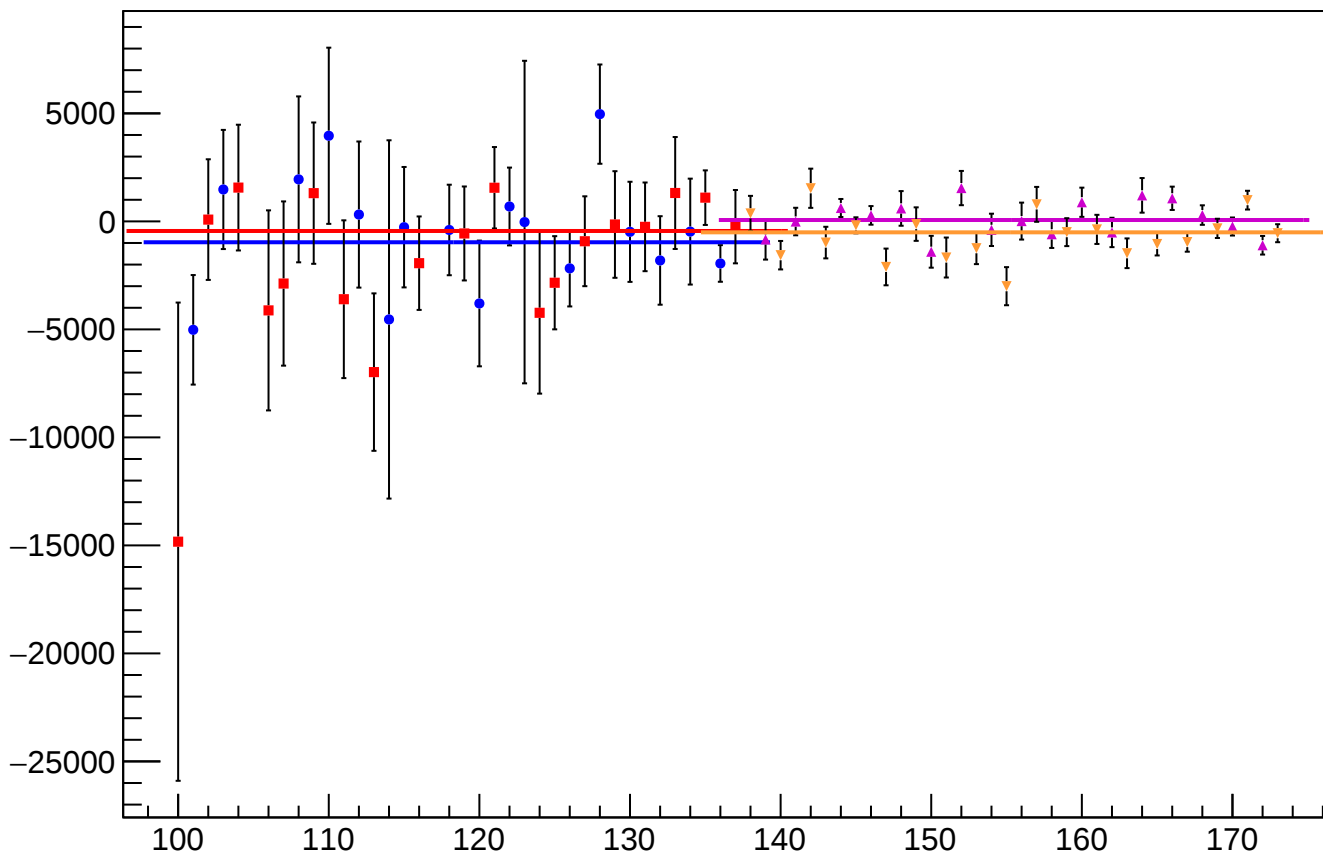
Left In: 80.725+/-0.016 χ^2/NDF : 543784.0/16

+ sign 86.439+/-0.014 χ^2/NDF : 2927063.6/35

All: 87.327+/-0.010 χ^2/NDF : 6149254.8/71

- sign 88.292+/-0.015 χ^2/NDF : 3213702.7/35

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 $\pm$ 512.340 χ^2/NDF : 16.4/16

Left Out: -507.149 $\pm$ 135.513 χ^2/NDF : 43.0/18

Right Out: -444.406 $\pm$ 545.370 χ^2/NDF : 13.4/18

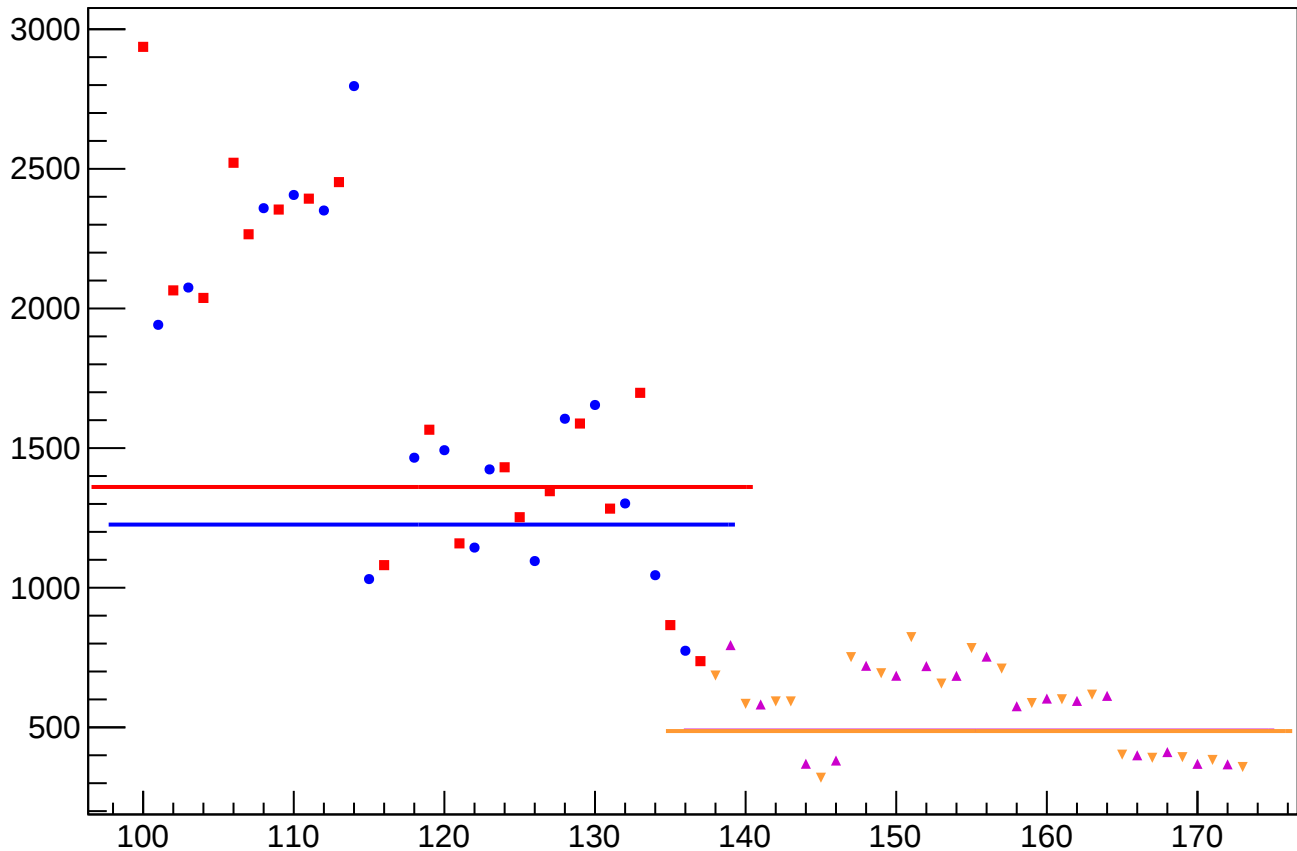
Left In: 63.697 $\pm$ 140.398 χ^2/NDF : 28.1/16

+ sign -537.189 $\pm$ 131.008 χ^2/NDF : 60.1/35

All: -263.103 $\pm$ 94.340 χ^2/NDF : 111.5/71

- sign 32.116 $\pm$ 135.965 χ^2/NDF : 42.3/35

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 486.747+/-0.096 χ^2/NDF : 2439321.9/18

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

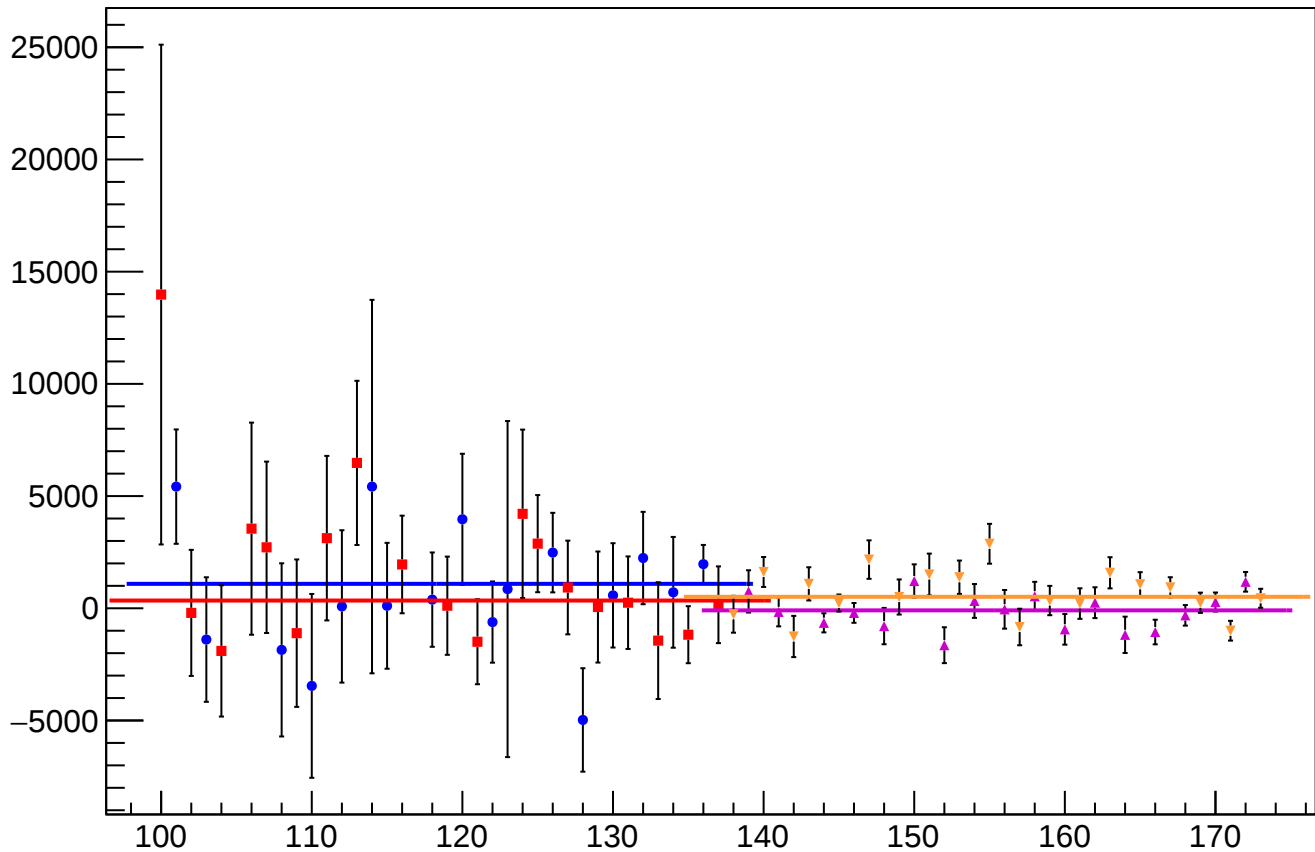
Left In: 488.434+/-0.099 χ^2/NDF : 1976303.5/16

+ sign 535.092+/-0.093 χ^2/NDF : 8088704.1/35

All: 538.732+/-0.067 χ^2/NDF : 16616242.9/71

- sign 542.653+/-0.096 χ^2/NDF : 8524331.3/35

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 512.048 $\pm$ 137.462 χ^2 /NDF: 41.3/18

Right Out: 345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

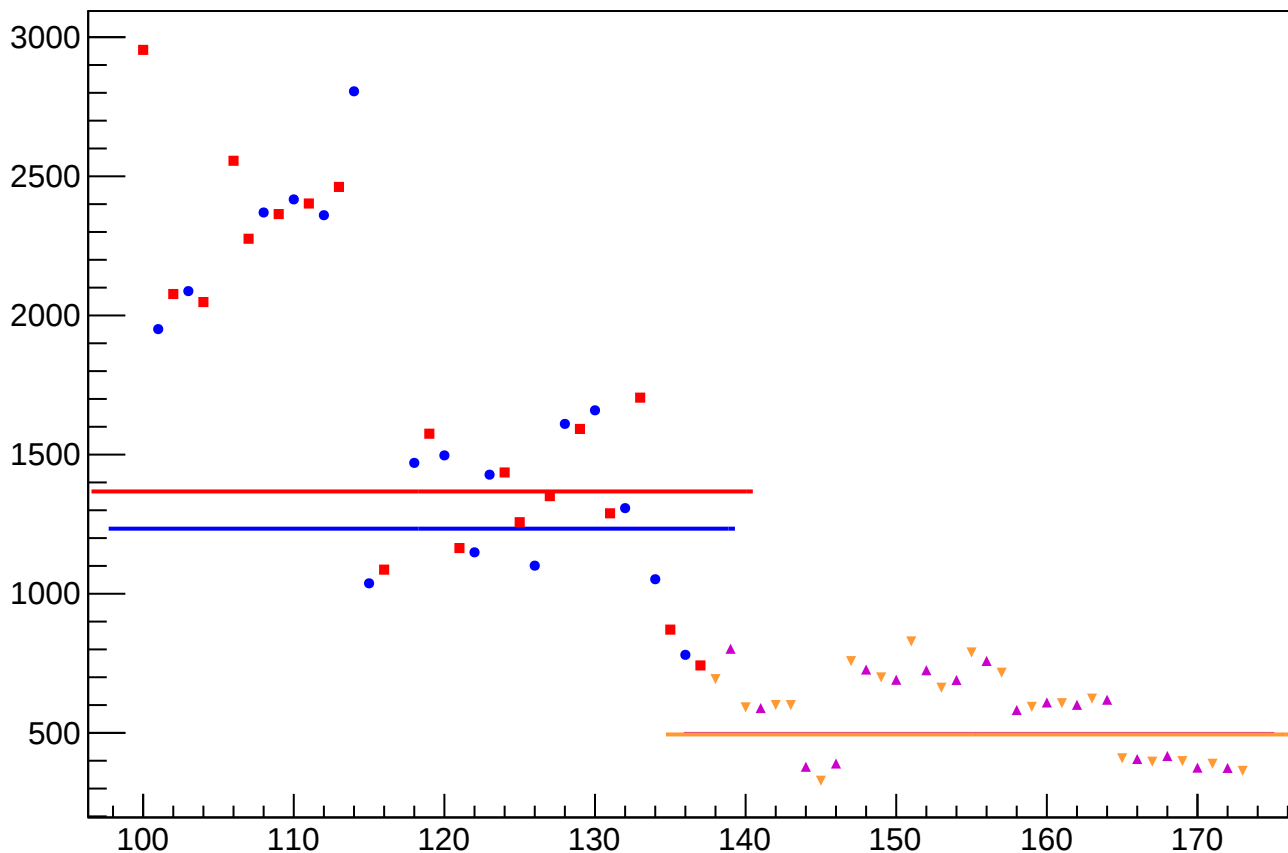
Left In: -92.769 $\pm$ 142.478 χ^2 /NDF: 27.6/16

+ sign 550.385 $\pm$ 132.817 χ^2 /NDF: 59.4/35

All: 254.222 $\pm$ 95.661 χ^2 /NDF: 110.4/71

- sign -65.028 $\pm$ 137.897 χ^2 /NDF: 40.7/35

asym_sam_26_avg_rms vs Slug



Right In: 1233.863 ± 0.364 $\chi^2/\text{NDF}: 1744048.5/16$

Left Out: 494.437 ± 0.097 $\chi^2/\text{NDF}: 2371438.9/18$

Right Out: 1367.609 ± 0.388 $\chi^2/\text{NDF}: 1744594.4/18$

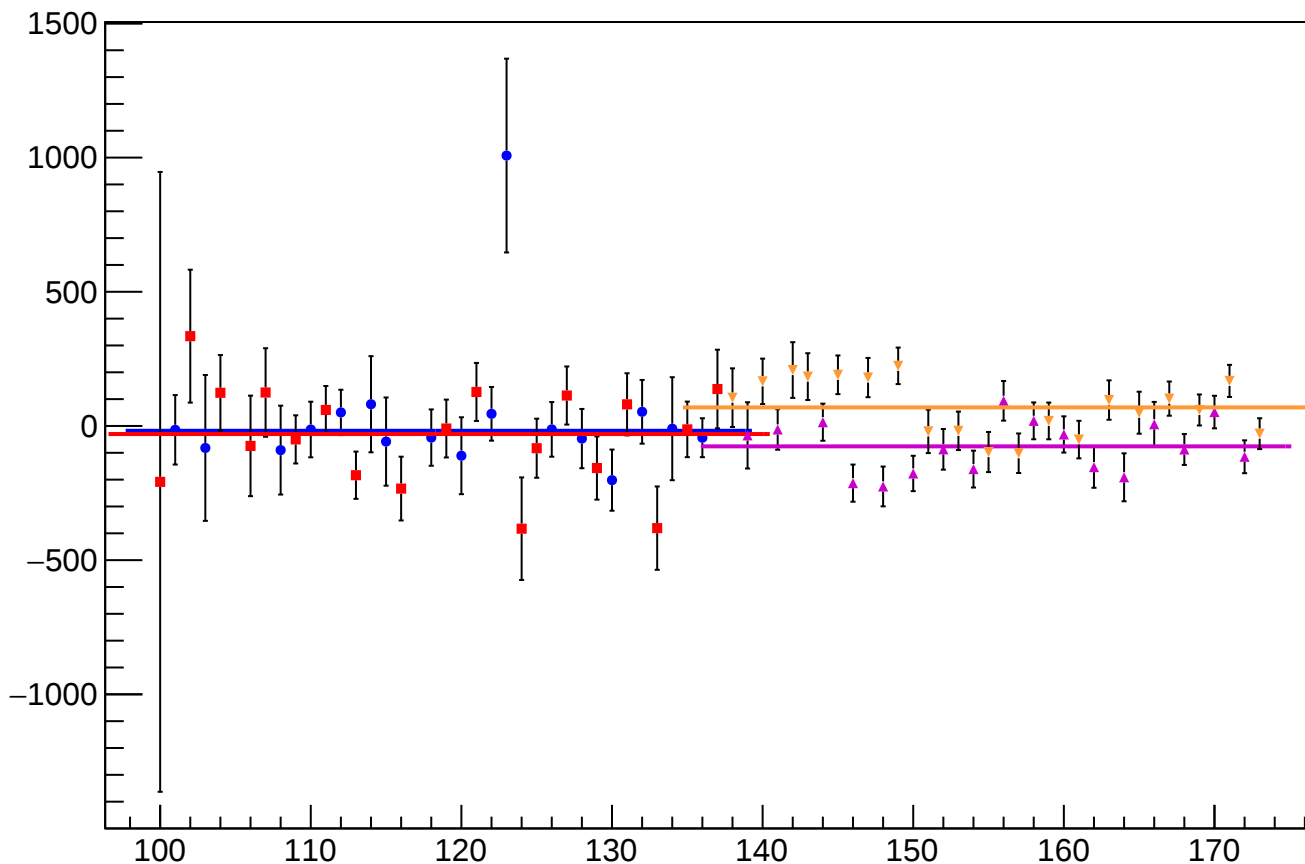
Left In: 496.315 ± 0.101 $\chi^2/\text{NDF}: 1919104.0/16$

+ sign 543.565 ± 0.094 $\chi^2/\text{NDF}: 7960409.9/35$

All: 547.358 ± 0.068 $\chi^2/\text{NDF}: 16360177.9/71$

- sign 551.447 ± 0.098 $\chi^2/\text{NDF}: 8396378.3/35$

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 69.225 ± 16.554 χ^2/NDF : 37.9/18

Right Out: -30.070 ± 27.976 χ^2/NDF : 27.4/18

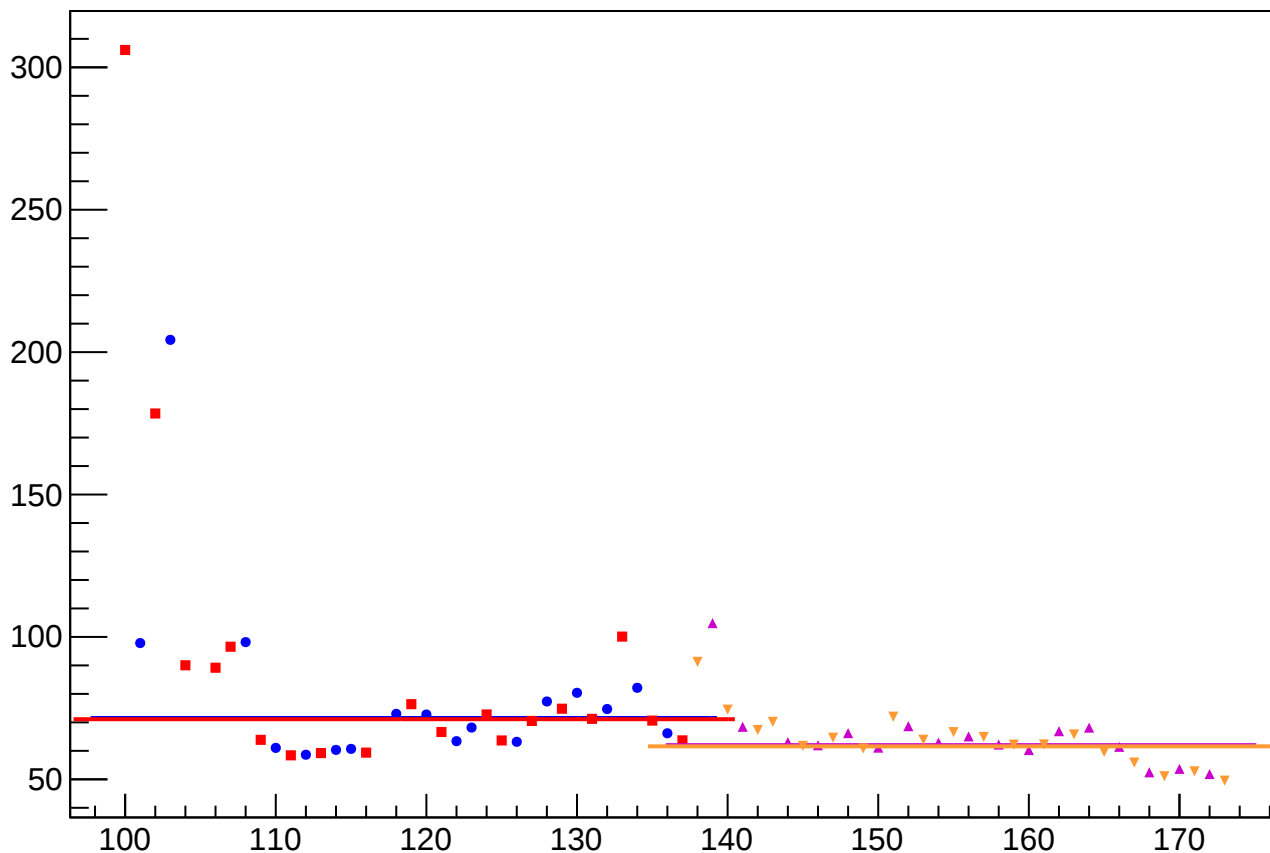
Left In: -76.003 ± 17.272 χ^2/NDF : 30.6/16

+ sign 47.624 ± 14.358 χ^2/NDF : 58.2/35

All: -6.557 ± 10.270 χ^2/NDF : 147.2/71

- sign -63.327 ± 14.697 χ^2/NDF : 59.9/35

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 61.584 $\pm$ 0.012 χ^2 /NDF: 492219.1/18

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

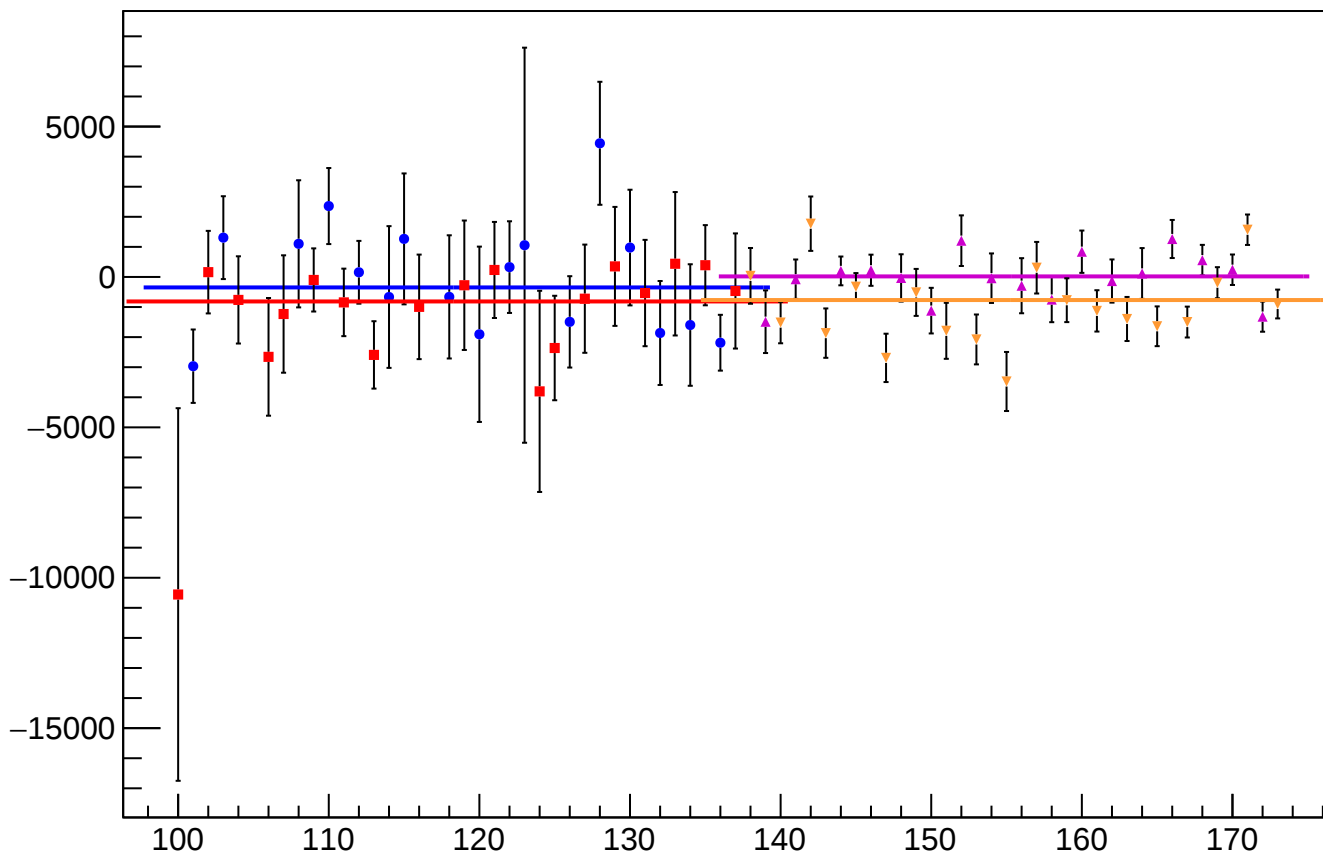
Left In: 61.998 $\pm$ 0.012 χ^2 /NDF: 448590.2/16

+ sign 64.049 $\pm$ 0.010 χ^2 /NDF: 1430244.6/35

All: 64.276 $\pm$ 0.007 χ^2 /NDF: 2798804.2/71

- sign 64.514 $\pm$ 0.010 χ^2 /NDF: 1367536.1/35

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 $\pm$ 381.994 χ^2/NDF : 24.1/16

Left Out: -767.699 $\pm$ 152.481 χ^2/NDF : 58.7/18

Right Out: -814.154 $\pm$ 369.807 χ^2/NDF : 10.5/18

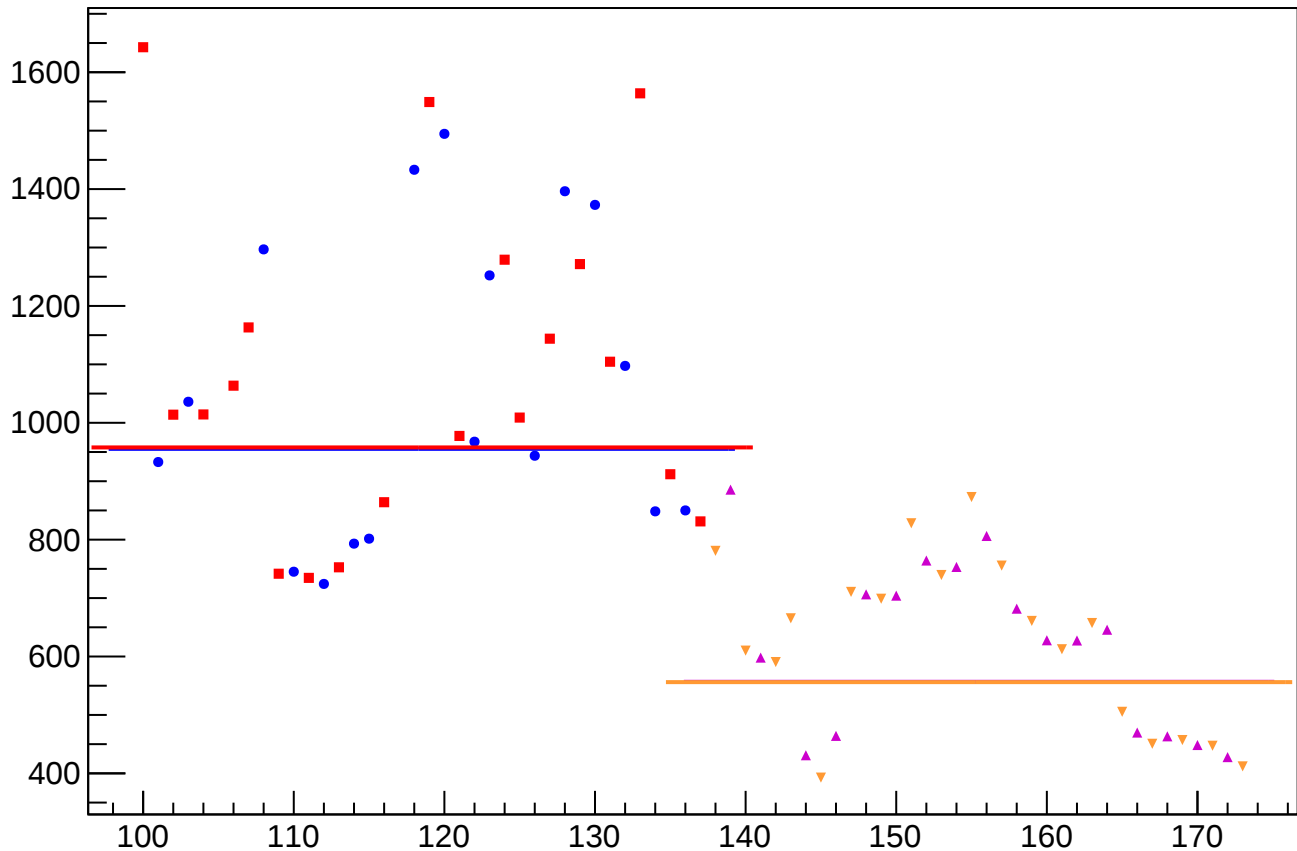
Left In: 18.496 $\pm$ 157.779 χ^2/NDF : 21.5/16

+ sign -710.008 $\pm$ 141.615 χ^2/NDF : 83.8/35

All: -417.211 $\pm$ 101.354 χ^2/NDF : 128.9/71

- sign -109.732 $\pm$ 145.123 χ^2/NDF : 36.3/35

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 556.157 $\pm$ 0.108 χ^2 /NDF: 1690527.0/18

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

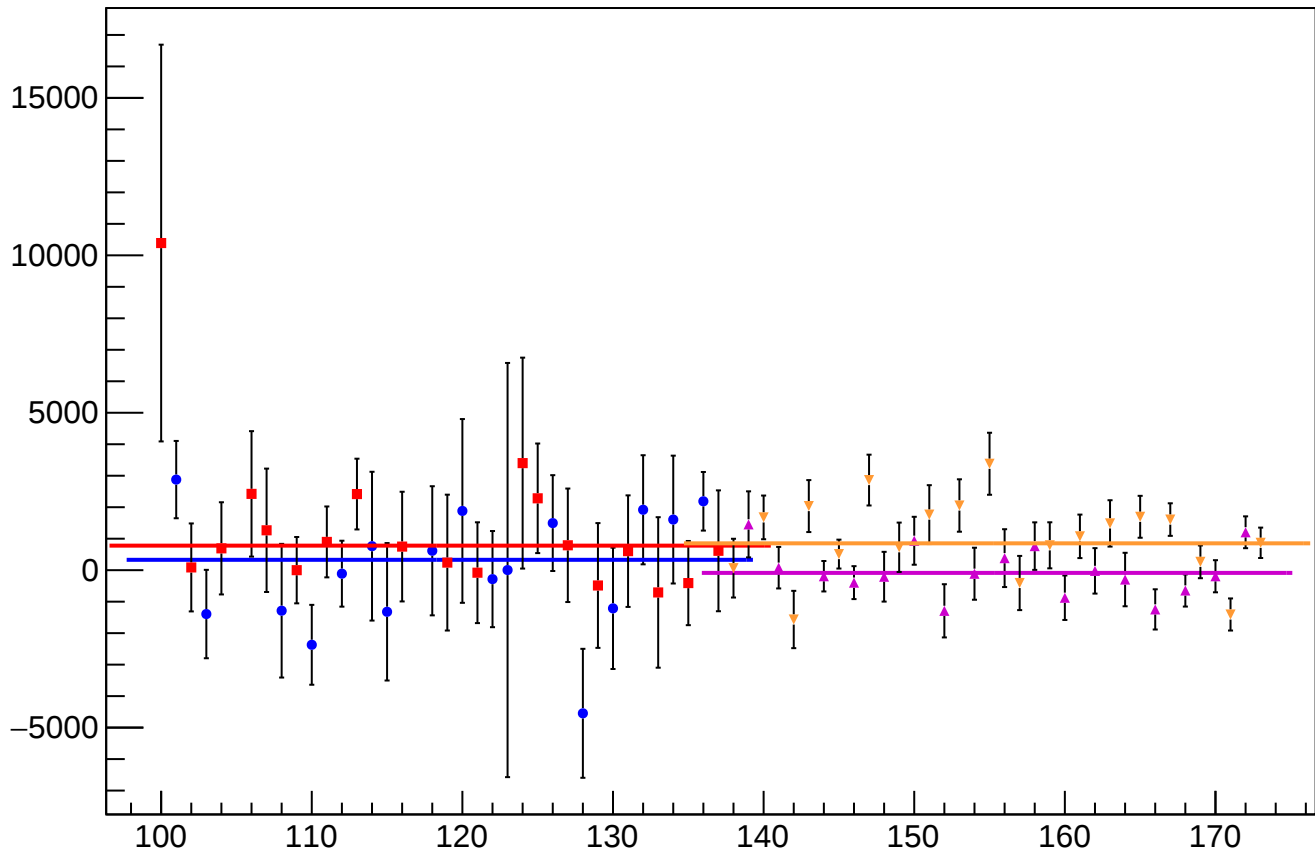
Left In: 556.706 $\pm$ 0.112 χ^2 /NDF: 1387988.7/16

+ sign 611.032 $\pm$ 0.100 χ^2 /NDF: 4221717.4/35

All: 614.666 $\pm$ 0.072 χ^2 /NDF: 8296377.0/71

- sign 618.482 $\pm$ 0.103 χ^2 /NDF: 4071959.8/35

asym_sam_37_avg_mean vs Slug



Right In: 329.164+/-383.728 χ^2/NDF : 24.3/16

Left Out: 852.663+/-153.523 χ^2/NDF : 55.3/18

Right Out: 779.623+/-371.673 χ^2/NDF : 9.3/18

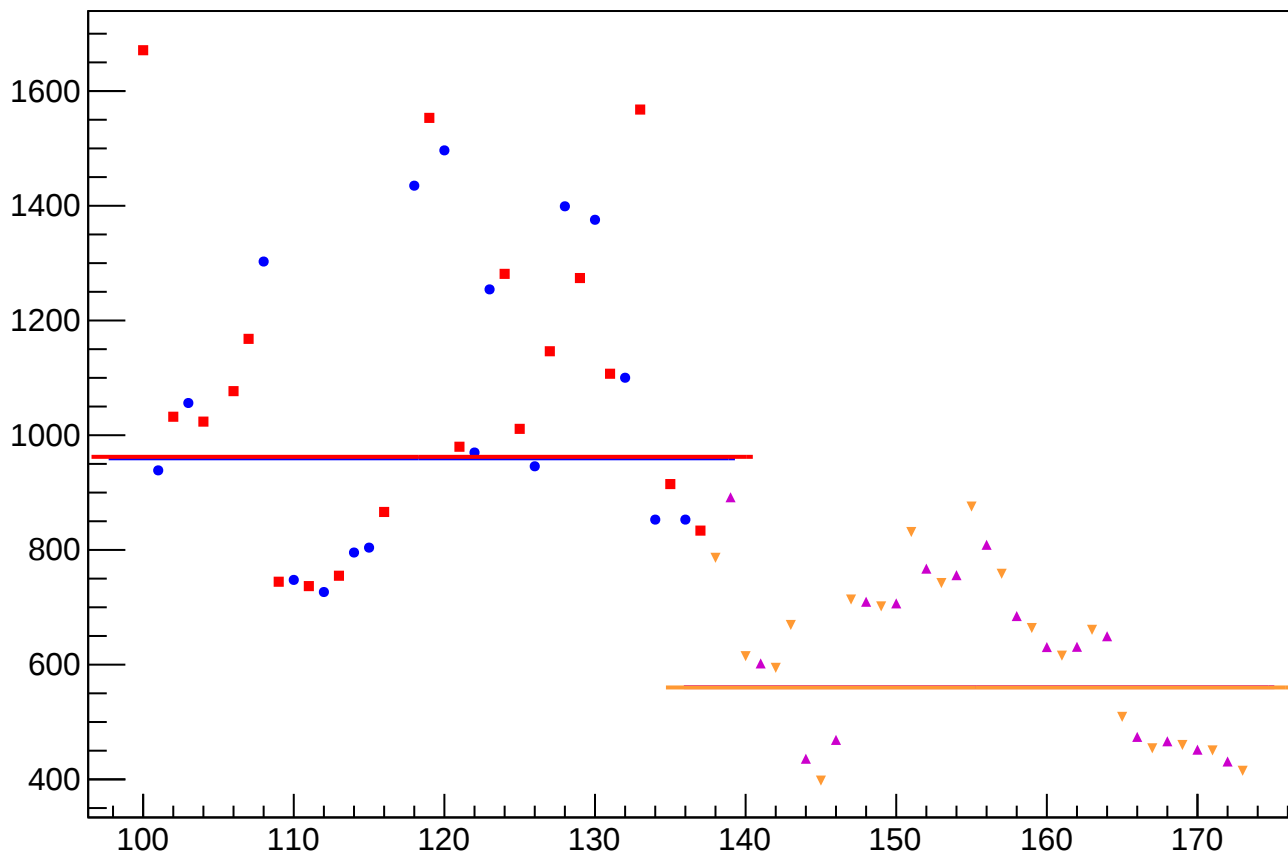
Left In: -86.357+/-158.883 χ^2/NDF : 20.4/16

+ sign 780.430+/-142.538 χ^2/NDF : 81.2/35

All: 422.964+/-102.024 χ^2/NDF : 128.4/71

- sign 47.441+/-146.094 χ^2/NDF : 34.3/35

asym_sam_37_avg_rms vs Slug



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 560.223 $\pm$ 0.109 χ^2 /NDF:1664624.2/18

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

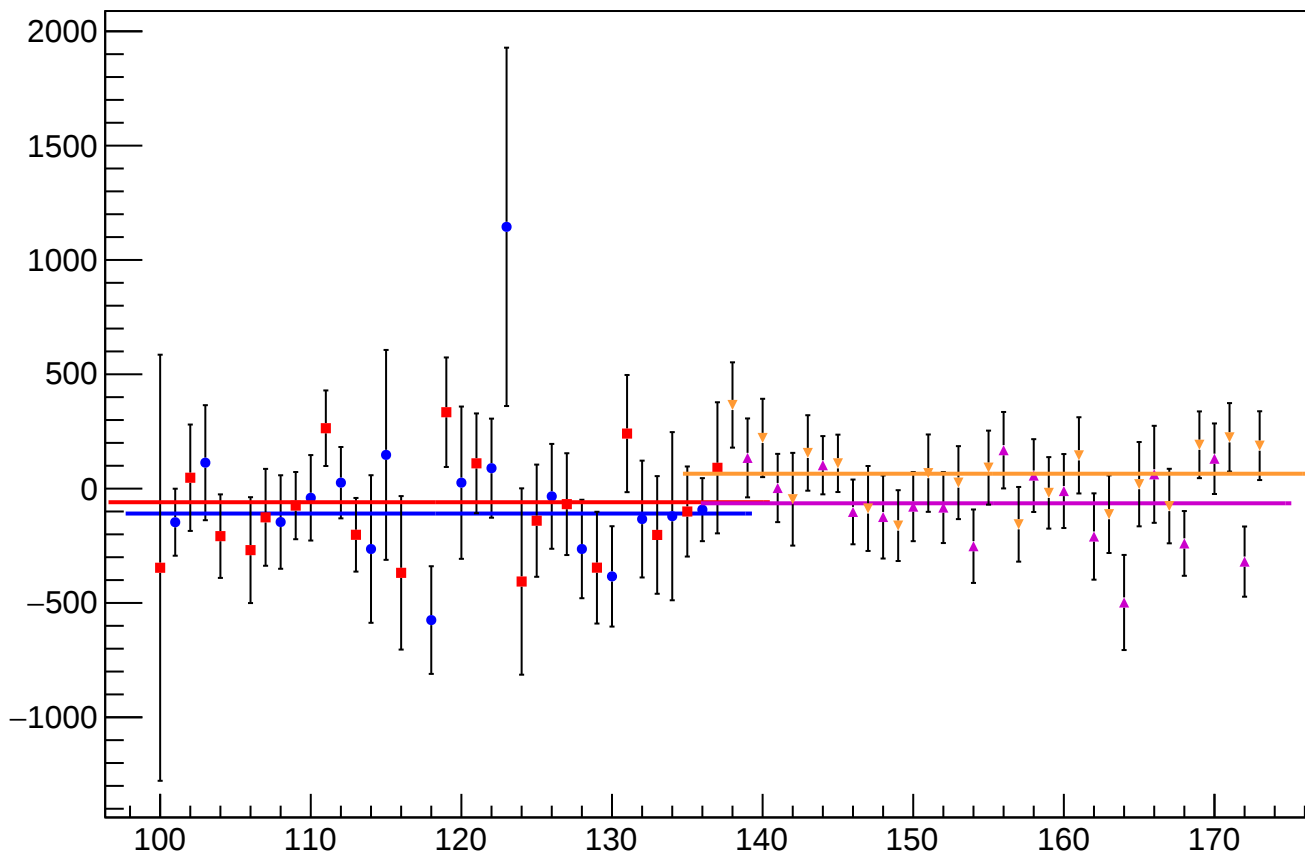
Left In: 560.861 $\pm$ 0.112 χ^2 /NDF:1366105.5/16

+ sign 615.353 $\pm$ 0.101 χ^2 /NDF: 4180468.5/35

All: 619.027 $\pm$ 0.072 χ^2 /NDF: 8217878.6/71

- sign 622.888 $\pm$ 0.103 χ^2 /NDF: 4034684.5/35

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 65.166 ± 37.206 χ^2/NDF : 13.9/18

Right Out: -59.475 ± 50.822 χ^2/NDF : 14.9/18

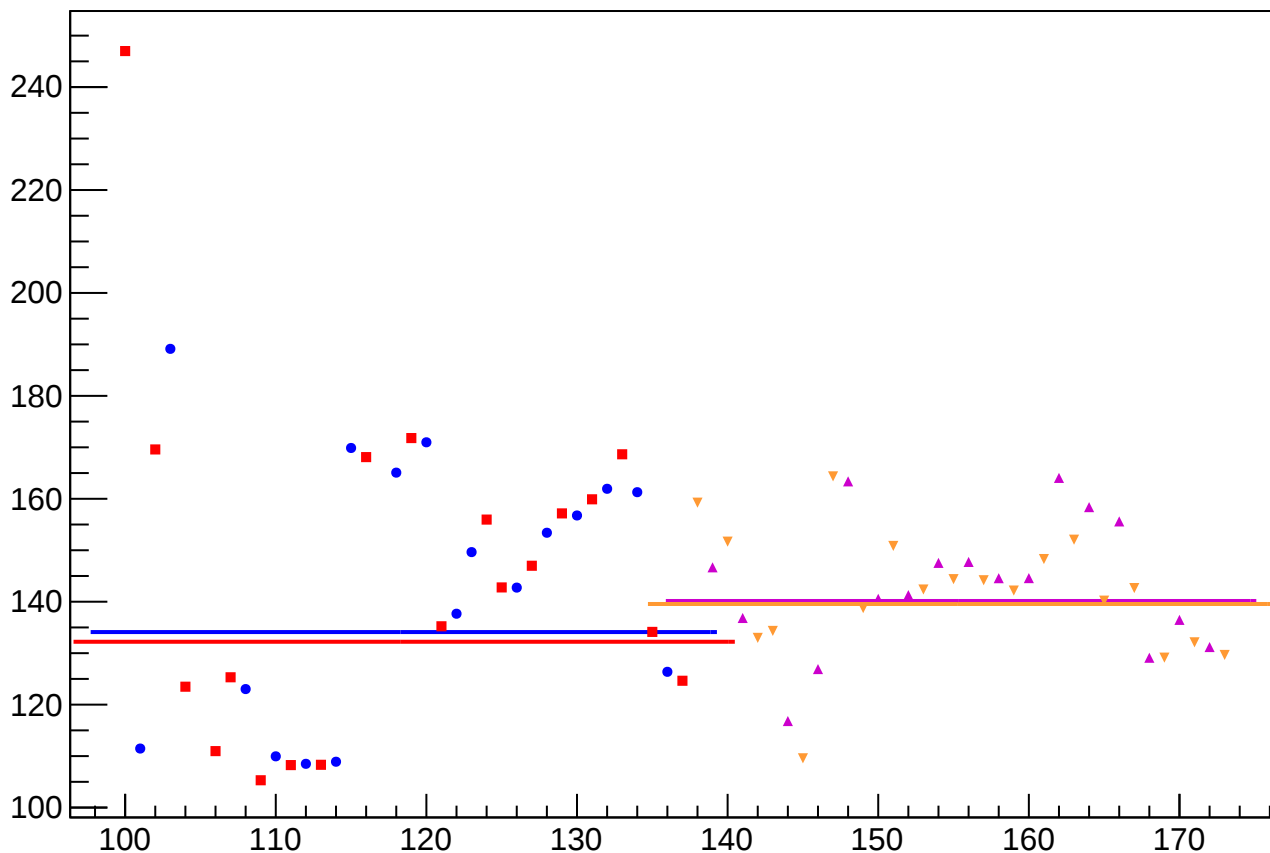
Left In: -64.144 ± 38.765 χ^2/NDF : 18.6/16

+ sign 7.565 ± 30.437 χ^2/NDF : 33.1/35

All: -26.991 ± 21.657 χ^2/NDF : 69.2/71

- sign -62.427 ± 30.822 χ^2/NDF : 33.5/35

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 139.558 $\pm$ 0.026 χ^2 /NDF: 240688.5/18

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

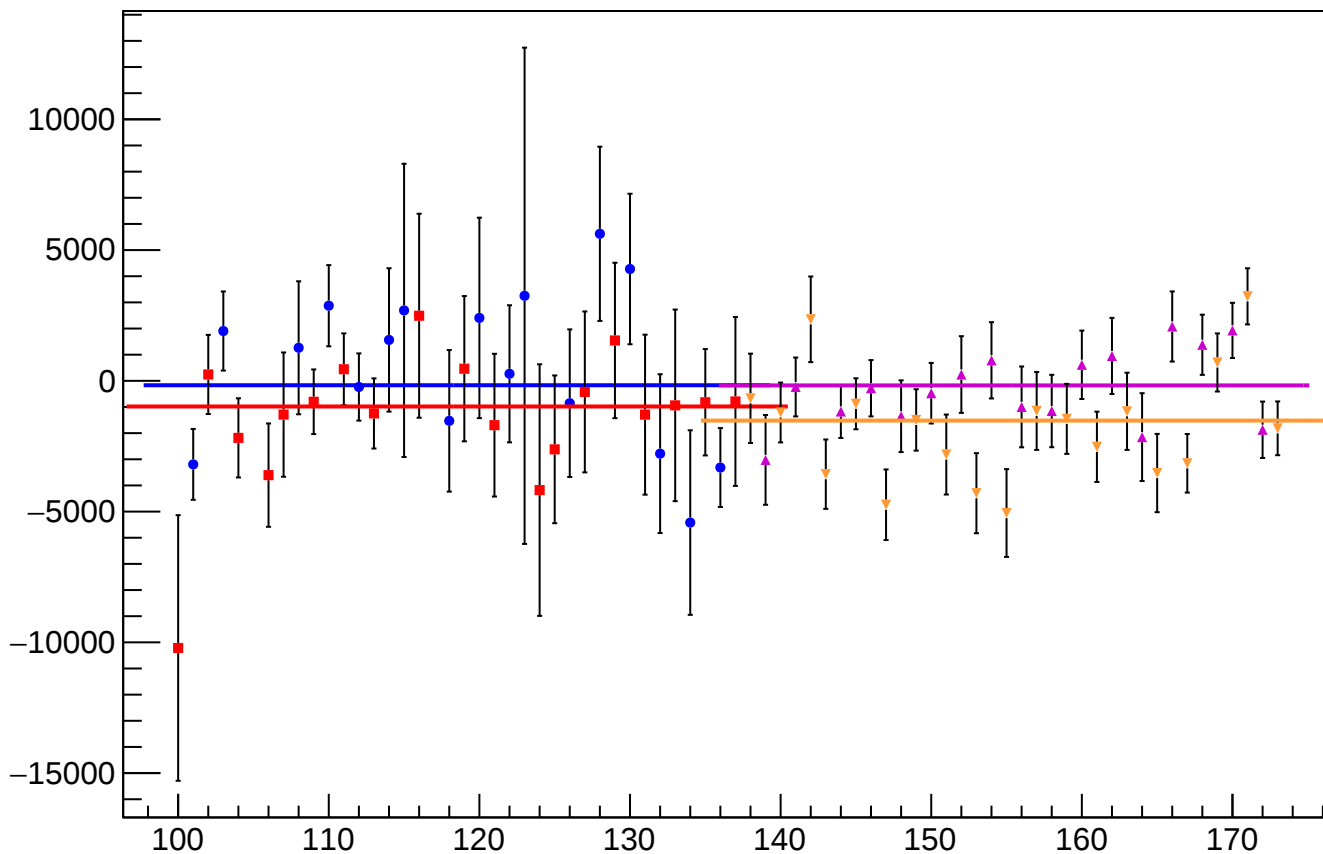
Left In: 140.141 $\pm$ 0.027 χ^2 /NDF: 210883.8/16

+ sign 137.754 $\pm$ 0.022 χ^2 /NDF: 657488.8/35

All: 137.494 $\pm$ 0.015 χ^2 /NDF: 1341127.5/71

- sign 137.227 $\pm$ 0.022 χ^2 /NDF: 683342.9/35

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -1519.614 ± 295.238 χ^2/NDF : 51.2/18

Right Out: -980.517 ± 480.968 χ^2/NDF : 10.2/18

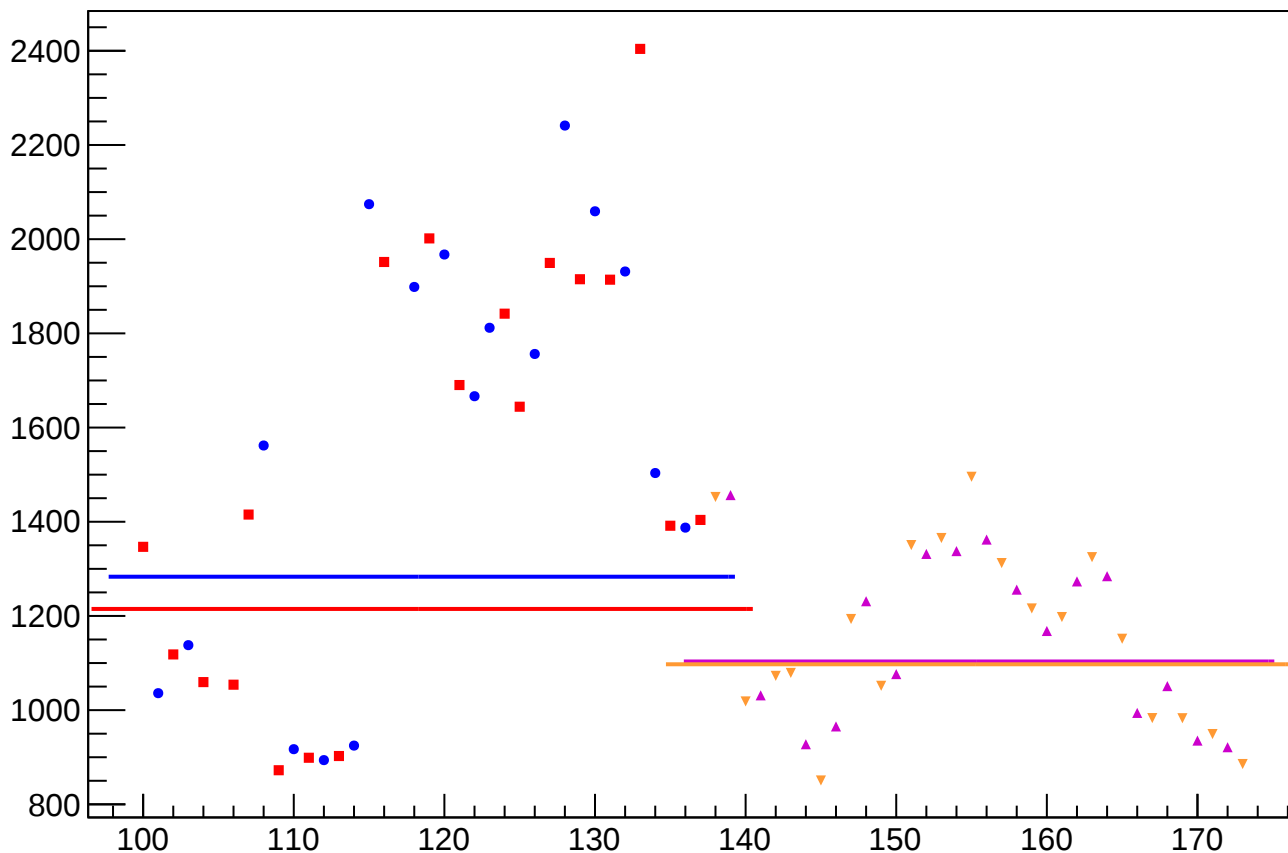
Left In: -174.259 ± 307.140 χ^2/NDF : 19.3/16

+ sign -1193.676 ± 257.181 χ^2/NDF : 81.5/35

All: -803.300 ± 182.445 χ^2/NDF : 117.6/71

- sign -407.806 ± 258.861 χ^2/NDF : 31.5/35

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1097.382 $\pm$ 0.209 χ^2 /NDF: 750455.6/18

Right Out: 1214.883 $\pm$ 0.340 χ^2 /NDF: 1360860.3/18

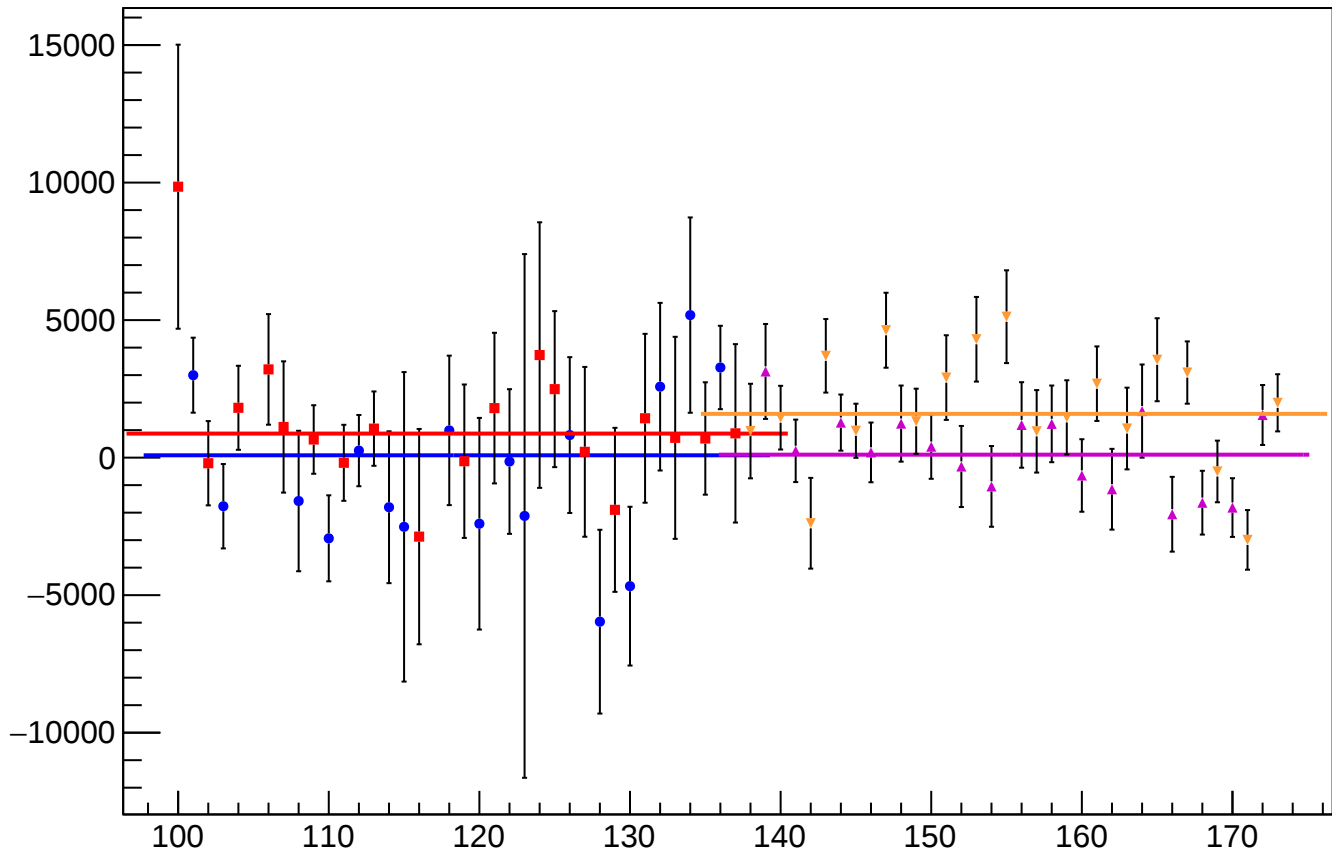
Left In: 1103.307 $\pm$ 0.217 χ^2 /NDF: 565450.5/16

+ sign 1142.228 $\pm$ 0.182 χ^2 /NDF: 2111212.0/35

All: 1138.949 $\pm$ 0.129 χ^2 /NDF: 4114630.5/71

- sign 1135.627 $\pm$ 0.183 χ^2 /NDF: 2002764.1/35

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 1591.617 ± 297.753 χ^2/NDF : 48.0/18

Right Out: 874.592 ± 484.647 χ^2/NDF : 8.7/18

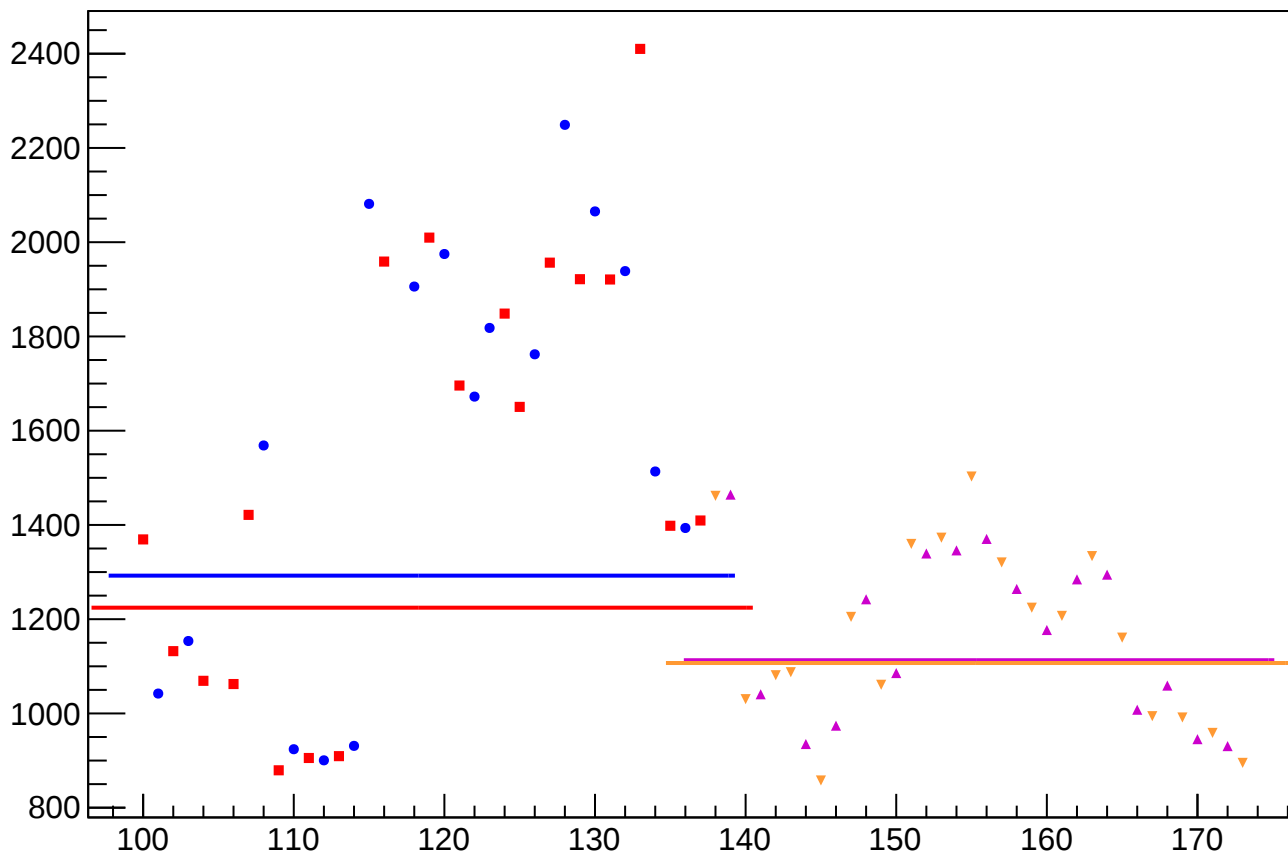
Left In: 107.633 ± 309.754 χ^2/NDF : 18.7/16

+ sign 1227.155 ± 259.247 χ^2/NDF : 78.9/35

All: 781.632 ± 183.932 χ^2/NDF : 114.0/71

- sign 330.066 ± 260.999 χ^2/NDF : 29.2/35

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1107.024+/-0.211 χ^2/NDF : 738159.9/18

Right Out: 1224.429+/-0.343 χ^2/NDF : 1345748.2/18

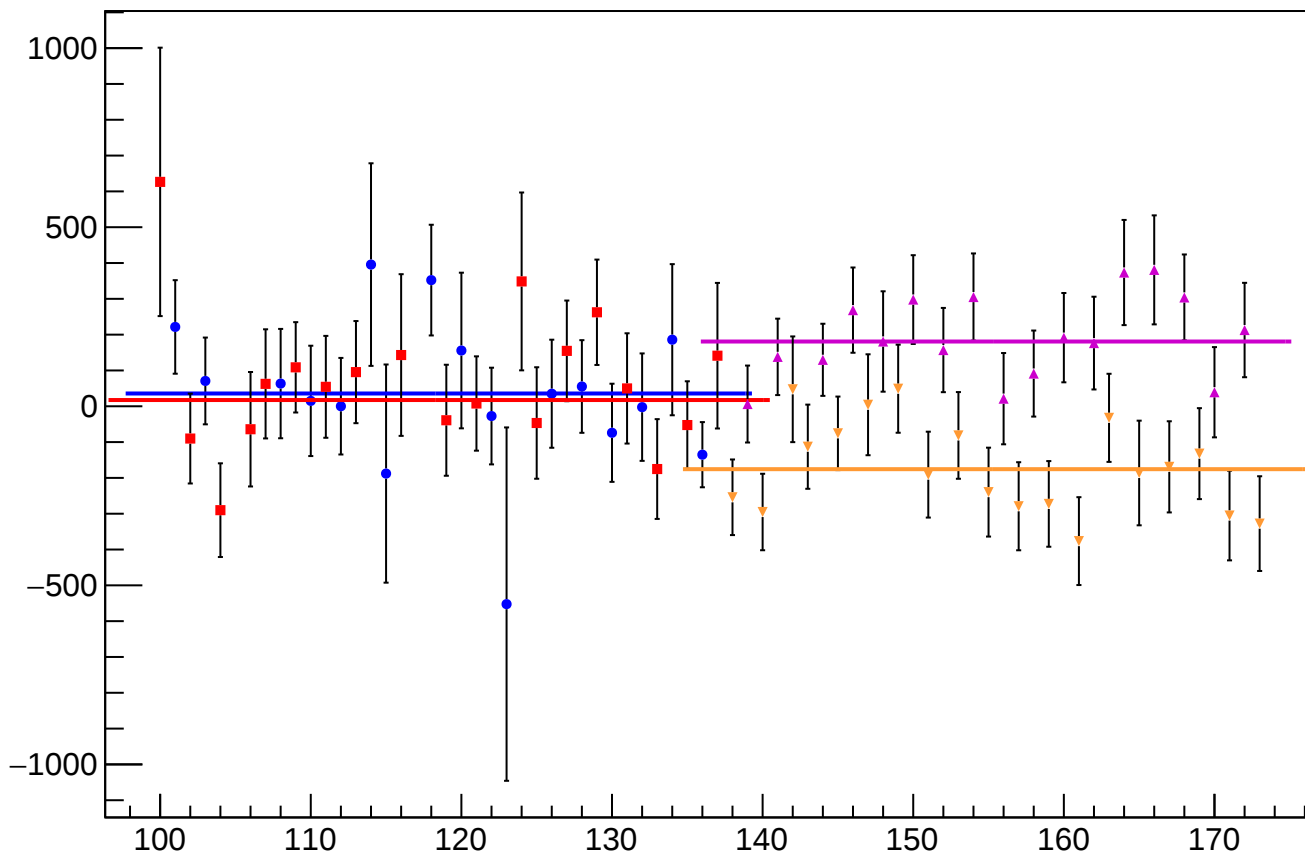
Left In: 1112.944+/-0.219 χ^2/NDF : 555678.8/16

+ sign 1151.876+/-0.183 χ^2/NDF : 2082328.7/35

All: 1148.599+/-0.130 χ^2/NDF : 4059536.8/71

- sign 1145.277+/-0.185 χ^2/NDF : 1976564.6/35

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 ± 36.350 χ^2/NDF : 15.3/16

Left Out: -175.621 ± 28.060 χ^2/NDF : 19.1/18

Right Out: 17.418 ± 34.691 χ^2/NDF : 18.9/18

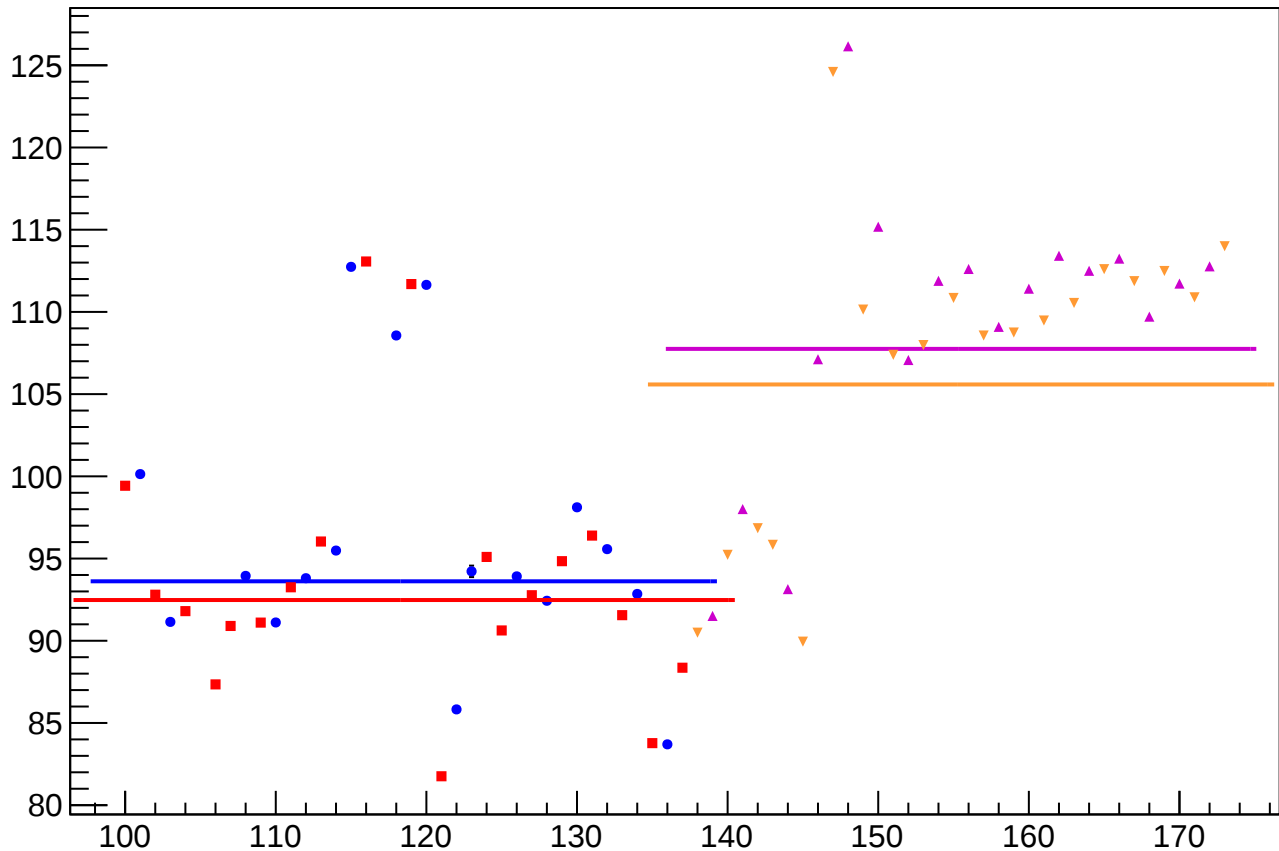
Left In: 180.802 ± 29.697 χ^2/NDF : 13.5/16

+ sign -96.726 ± 22.212 χ^2/NDF : 55.6/35

All: 5.871 ± 15.828 χ^2/NDF : 144.2/71

- sign 111.708 ± 22.560 χ^2/NDF : 45.3/35

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 105.588+/-0.020 χ^2/NDF : 205810.8/18

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

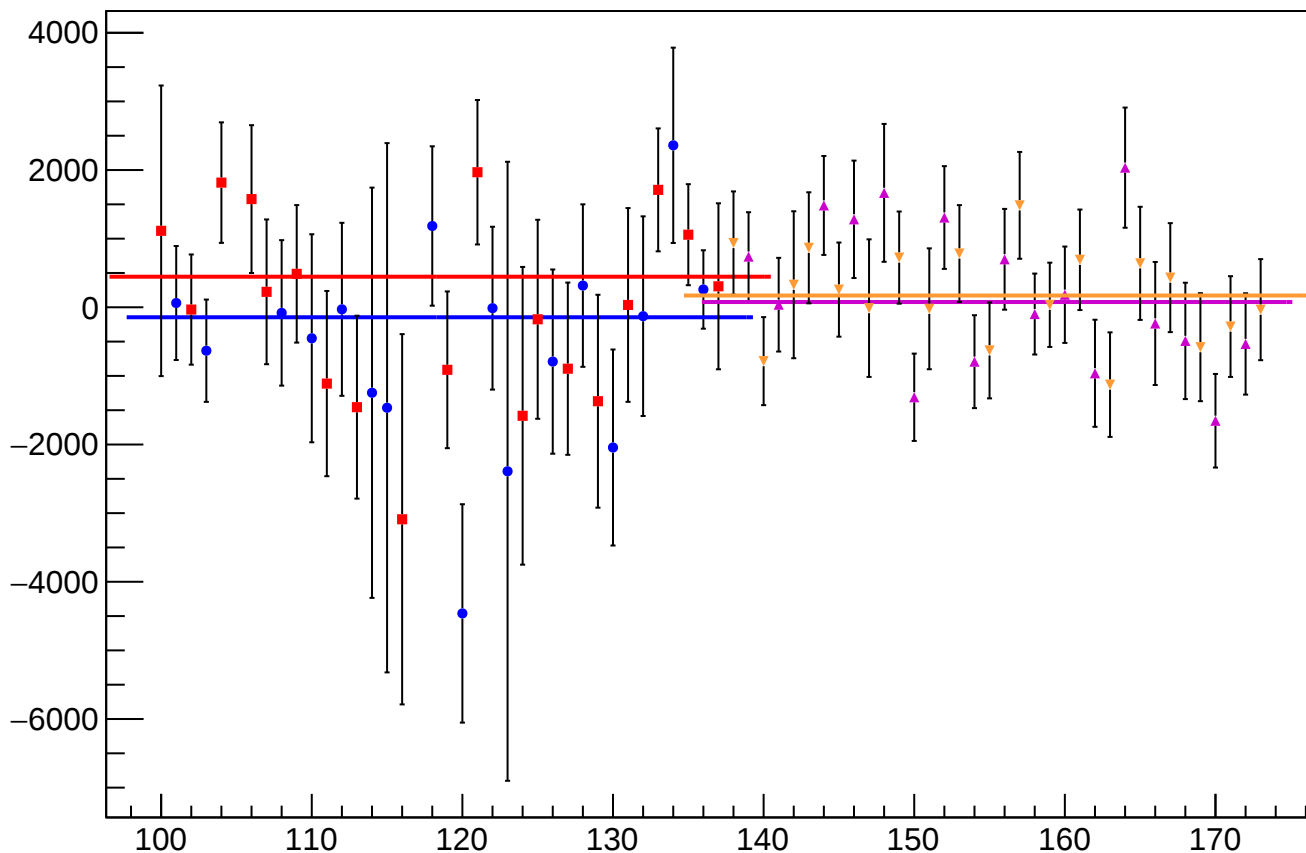
Left In: 107.752+/-0.021 χ^2/NDF : 167446.9/16

+ sign 101.118+/-0.016 χ^2/NDF : 421677.9/35

All: 101.204+/-0.011 χ^2/NDF : 891539.2/71

- sign 101.292+/-0.016 χ^2/NDF : 469800.7/35

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 171.544 ± 172.663 χ^2/NDF : 15.0/18

Right Out: 445.575 ± 260.276 χ^2/NDF : 19.0/18

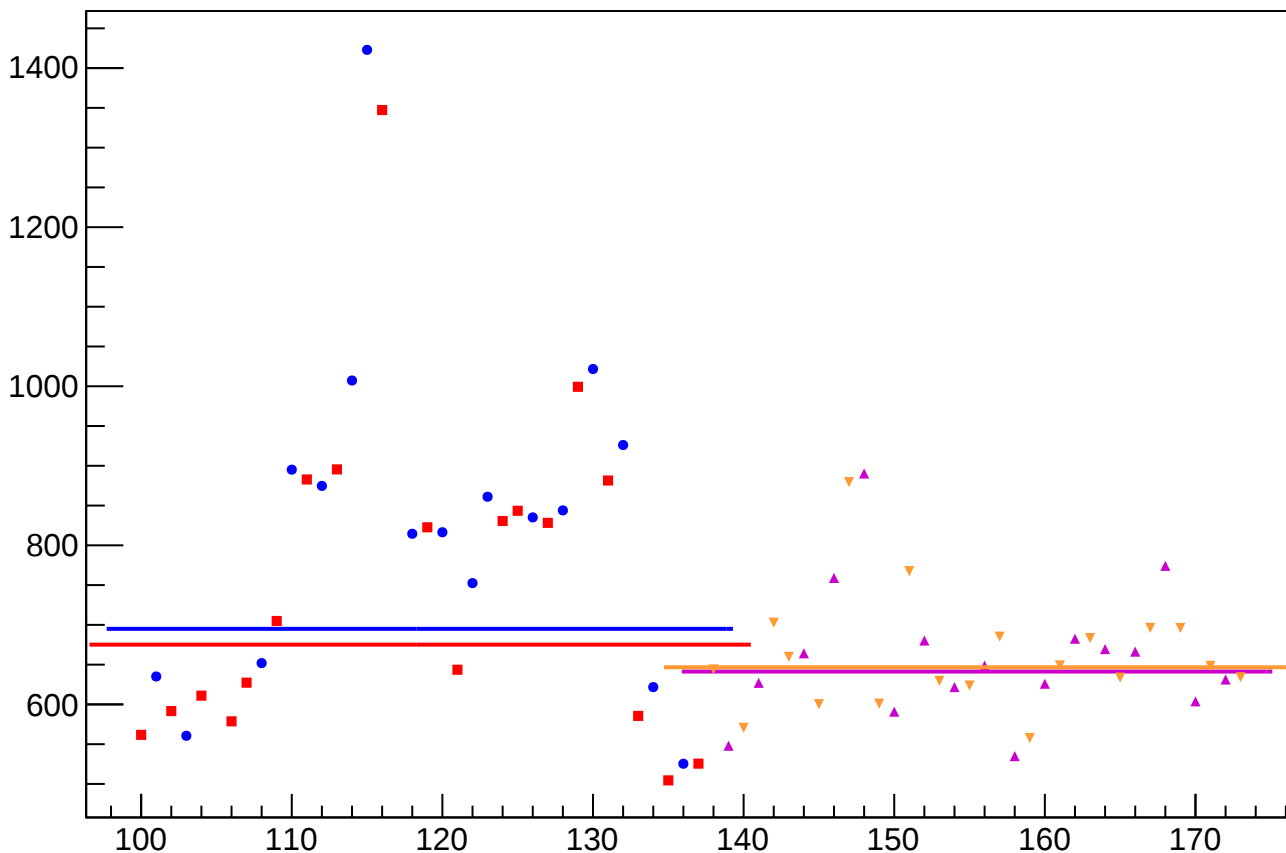
Left In: 76.540 ± 177.954 χ^2/NDF : 33.8/16

+ sign 82.668 ± 146.472 χ^2/NDF : 31.4/35

All: 138.220 ± 103.723 χ^2/NDF : 85.8/71

- sign 194.097 ± 146.901 χ^2/NDF : 54.1/35

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 ± 0.196 χ^2/NDF : 677713.0/16

Left Out: 646.673 ± 0.122 χ^2/NDF : 269753.5/18

Right Out: 675.151 ± 0.184 χ^2/NDF : 676394.1/18

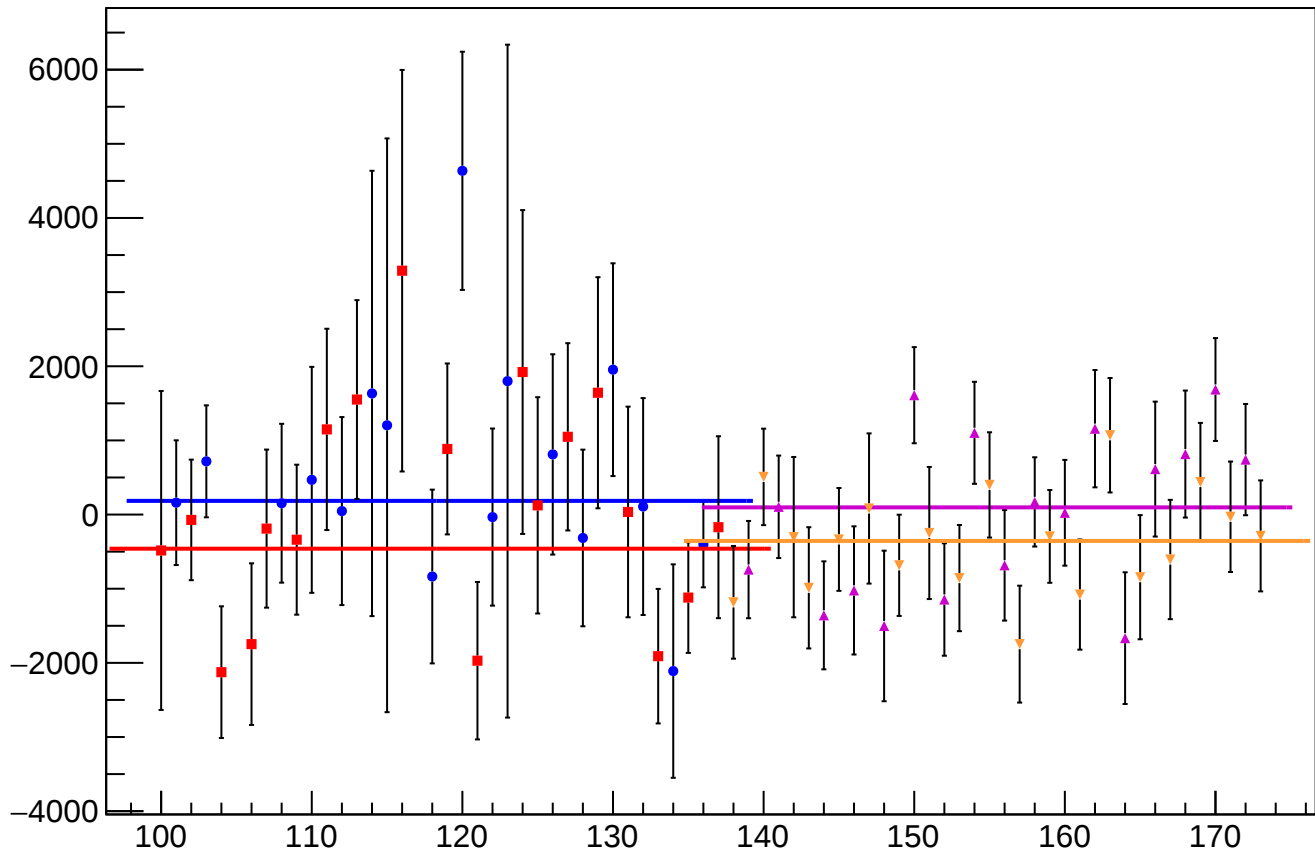
Left In: 641.304 ± 0.126 χ^2/NDF : 355848.4/16

+ sign 660.226 ± 0.104 χ^2/NDF : 991417.9/35

All: 656.168 ± 0.073 χ^2/NDF : 2049788.0/71

- sign 652.086 ± 0.104 χ^2/NDF : 1055290.5/35

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -355.579 ± 175.069 χ^2/NDF : 14.7/18

Right Out: -460.174 ± 262.960 χ^2/NDF : 22.3/18

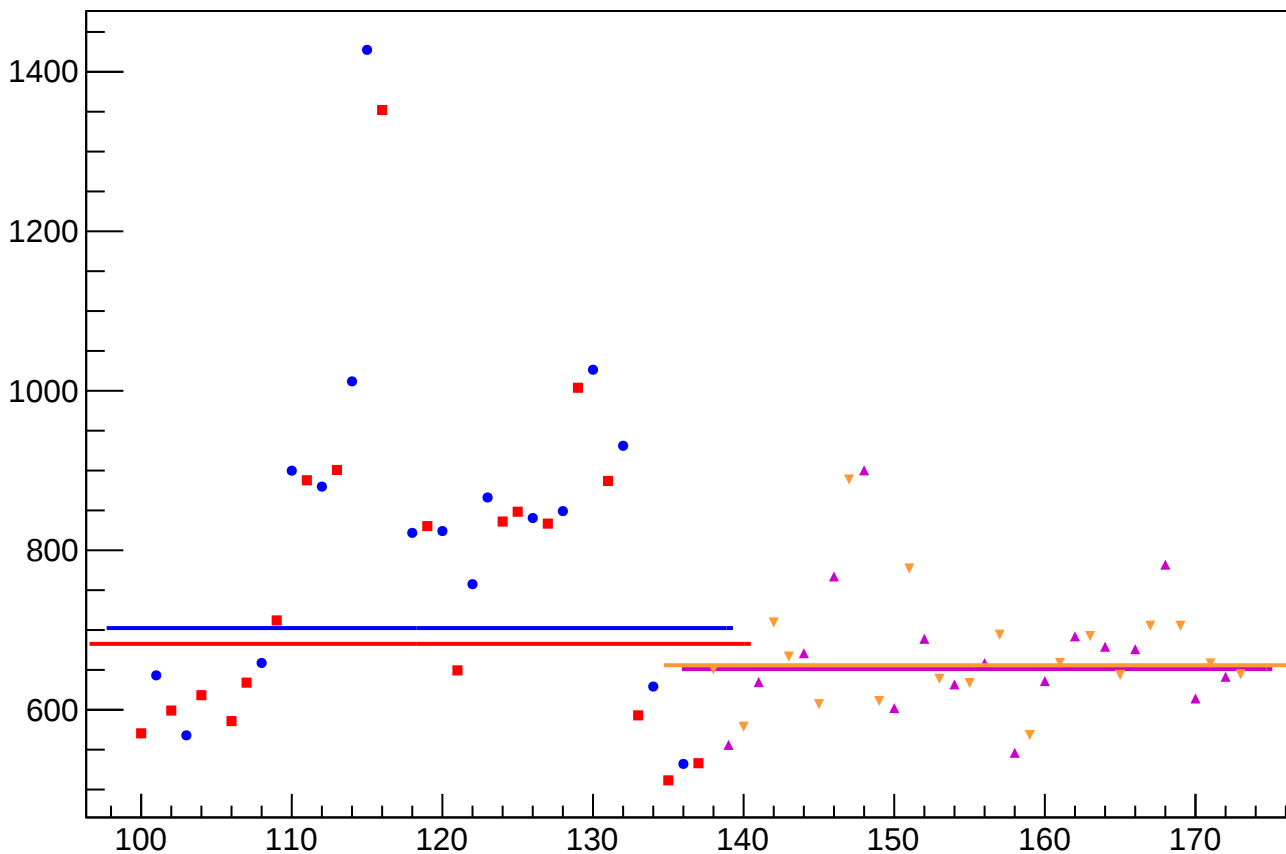
Left In: 96.945 ± 180.585 χ^2/NDF : 33.9/16

+ sign -203.305 ± 148.350 χ^2/NDF : 32.3/35

All: -142.660 ± 105.080 χ^2/NDF : 92.0/71

- sign -81.596 ± 148.862 χ^2/NDF : 59.3/35

asym_sam_15_dd_rms vs Slug



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 655.881 $\pm$ 0.124 χ^2 /NDF: 262609.6/18

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

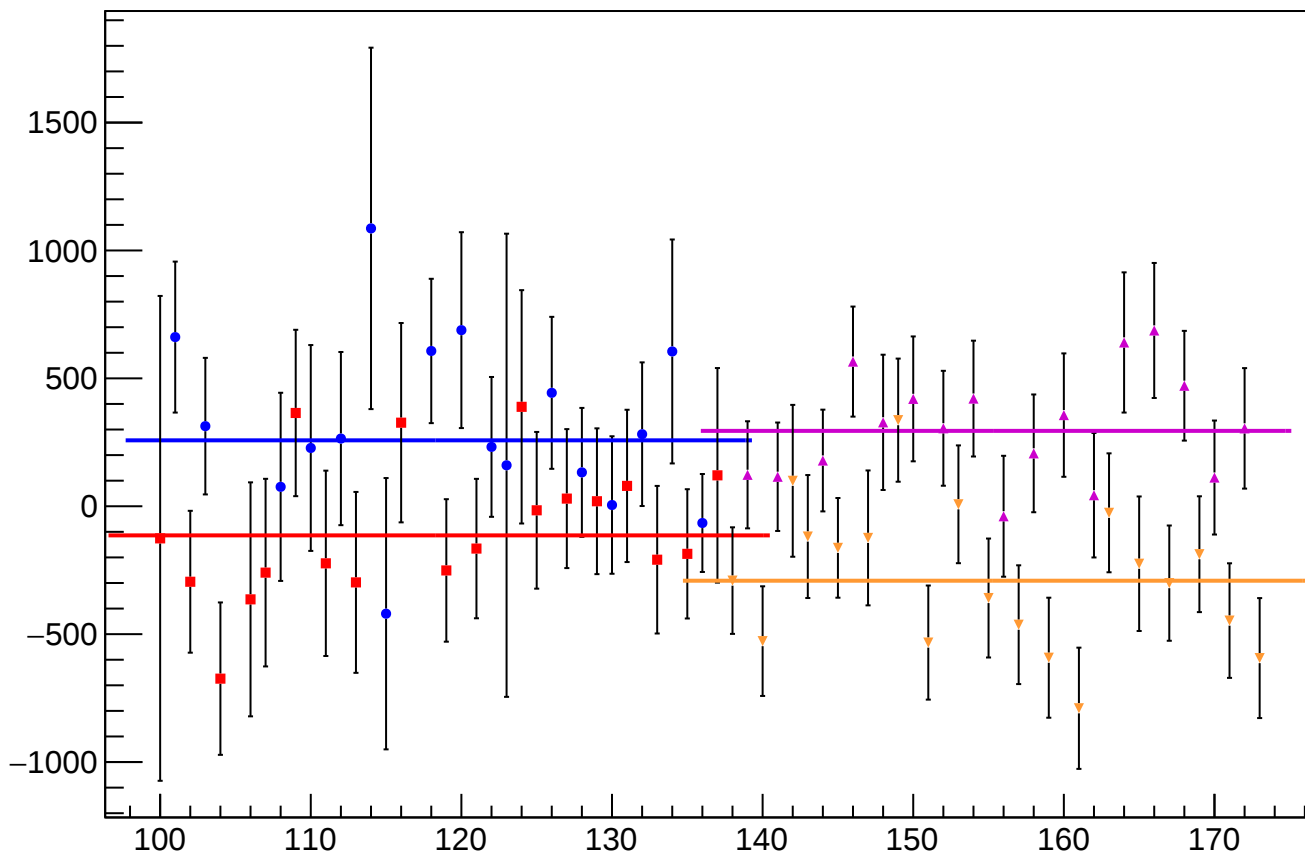
Left In: 651.036 $\pm$ 0.128 χ^2 /NDF: 342761.4/16

+ sign 669.016 $\pm$ 0.105 χ^2 /NDF: 963066.6/35

All: 665.107 $\pm$ 0.074 χ^2 /NDF: 1987794.7/71

- sign 661.171 $\pm$ 0.105 χ^2 /NDF: 1021941.3/35

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -291.076 ± 53.172 $\chi^2/\text{NDF}: 24.4/18$

Right Out: -113.851 ± 74.211 $\chi^2/\text{NDF}: 11.2/18$

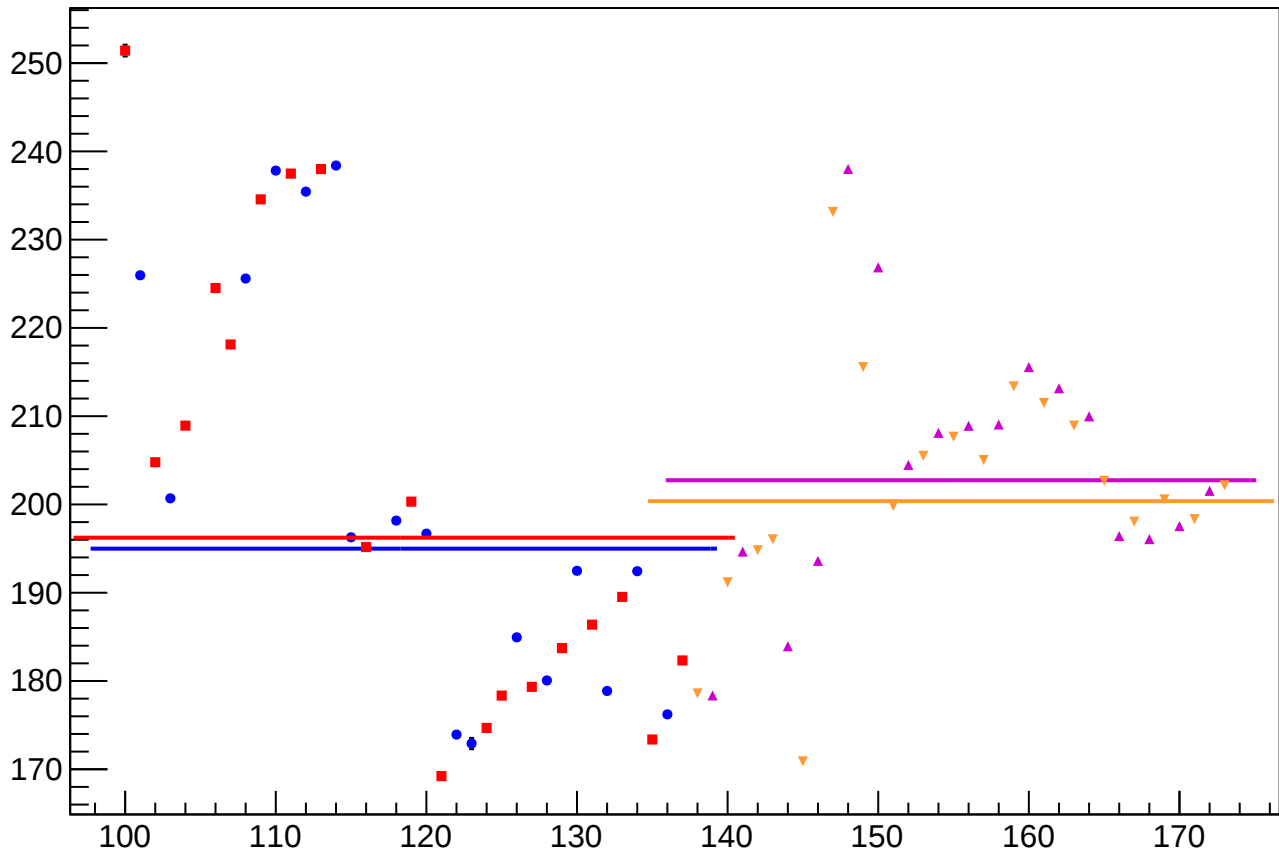
Left In: 294.718 ± 55.833 $\chi^2/\text{NDF}: 12.3/16$

+ sign -110.509 ± 43.555 $\chi^2/\text{NDF}: 72.4/35$

All: 15.166 ± 31.166 $\chi^2/\text{NDF}: 132.4/71$

- sign 147.042 ± 44.616 $\chi^2/\text{NDF}: 42.9/35$

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 200.376 $\pm$ 0.038 χ^2 /NDF: 129202.2/18

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

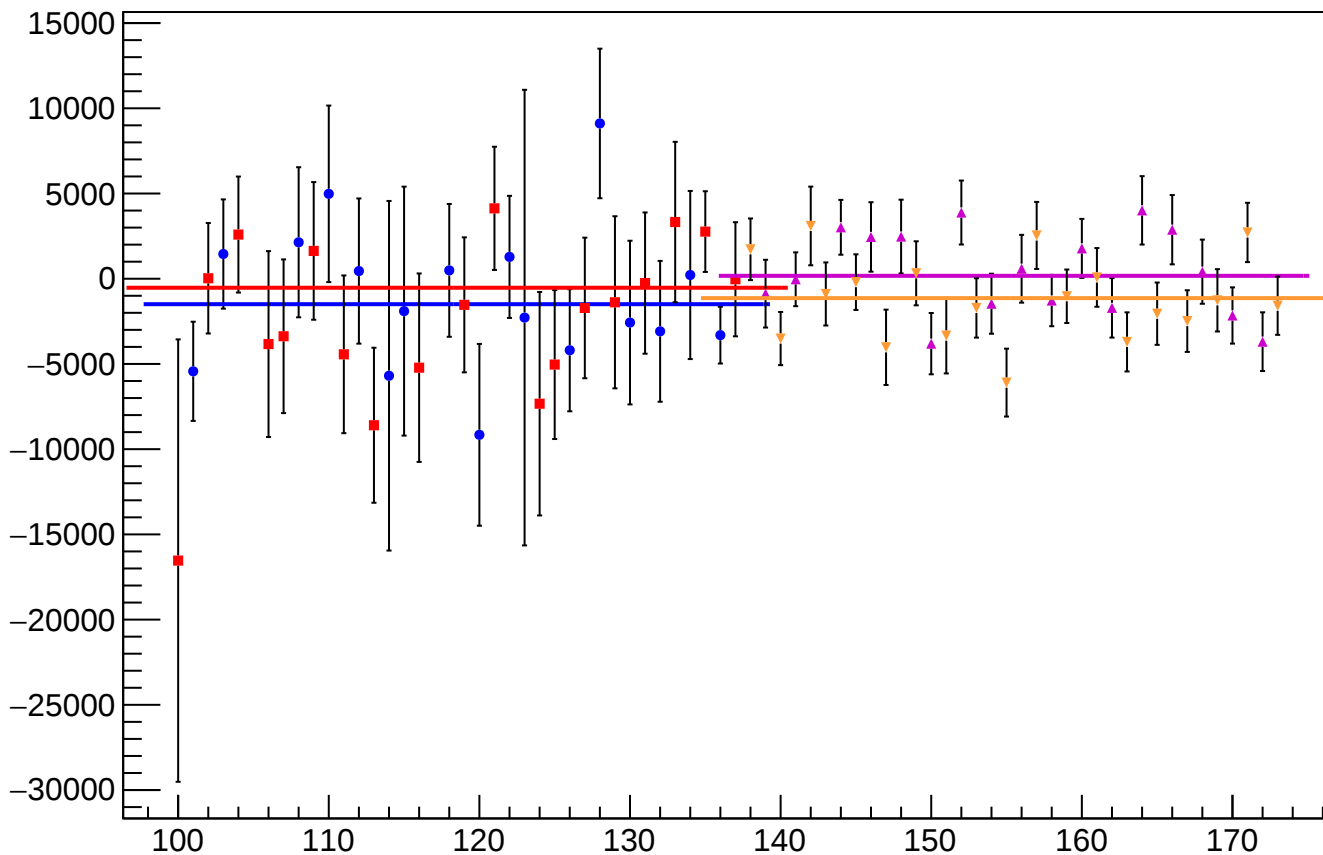
Left In: 202.743 $\pm$ 0.039 χ^2 /NDF: 125670.0/16

+ sign 198.605 $\pm$ 0.031 χ^2 /NDF: 280214.7/35

All: 199.477 $\pm$ 0.022 χ^2 /NDF: 590837.8/71

- sign 200.391 $\pm$ 0.032 χ^2 /NDF: 308983.4/35

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -1137.378 ± 416.772 χ^2/NDF : 30.1/18

Right Out: -528.758 ± 934.718 χ^2/NDF : 14.6/18

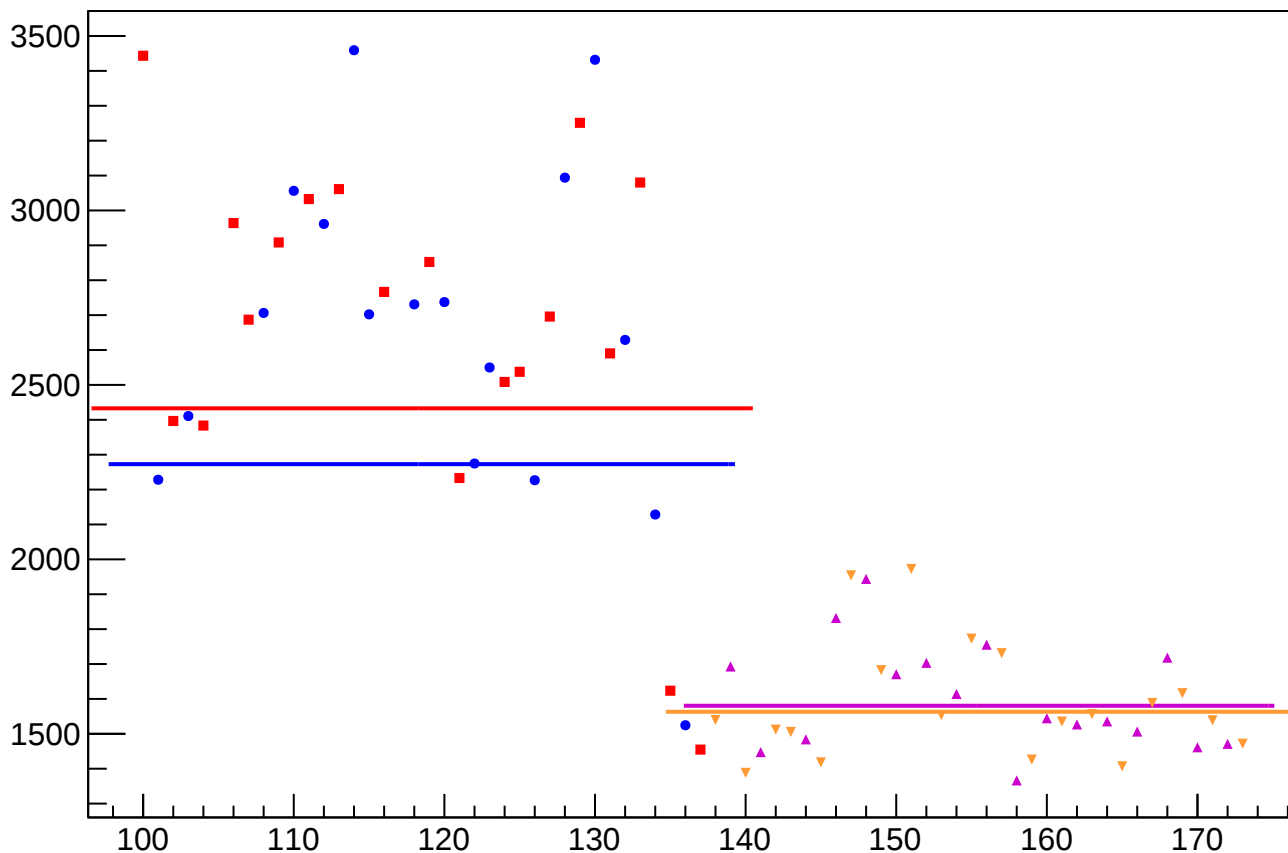
Left In: 170.631 ± 436.652 χ^2/NDF : 31.0/16

+ sign -1198.993 ± 378.982 χ^2/NDF : 46.4/35

All: -603.529 ± 273.671 χ^2/NDF : 97.6/71

- sign 45.346 ± 395.613 χ^2/NDF : 46.1/35

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883 $\pm$ 0.644 χ^2 /NDF: 805650.3/16

Left Out: 1563.172 $\pm$ 0.295 χ^2 /NDF: 258481.7/18

Right Out: 2432.950 $\pm$ 0.661 χ^2 /NDF: 680783.9/18

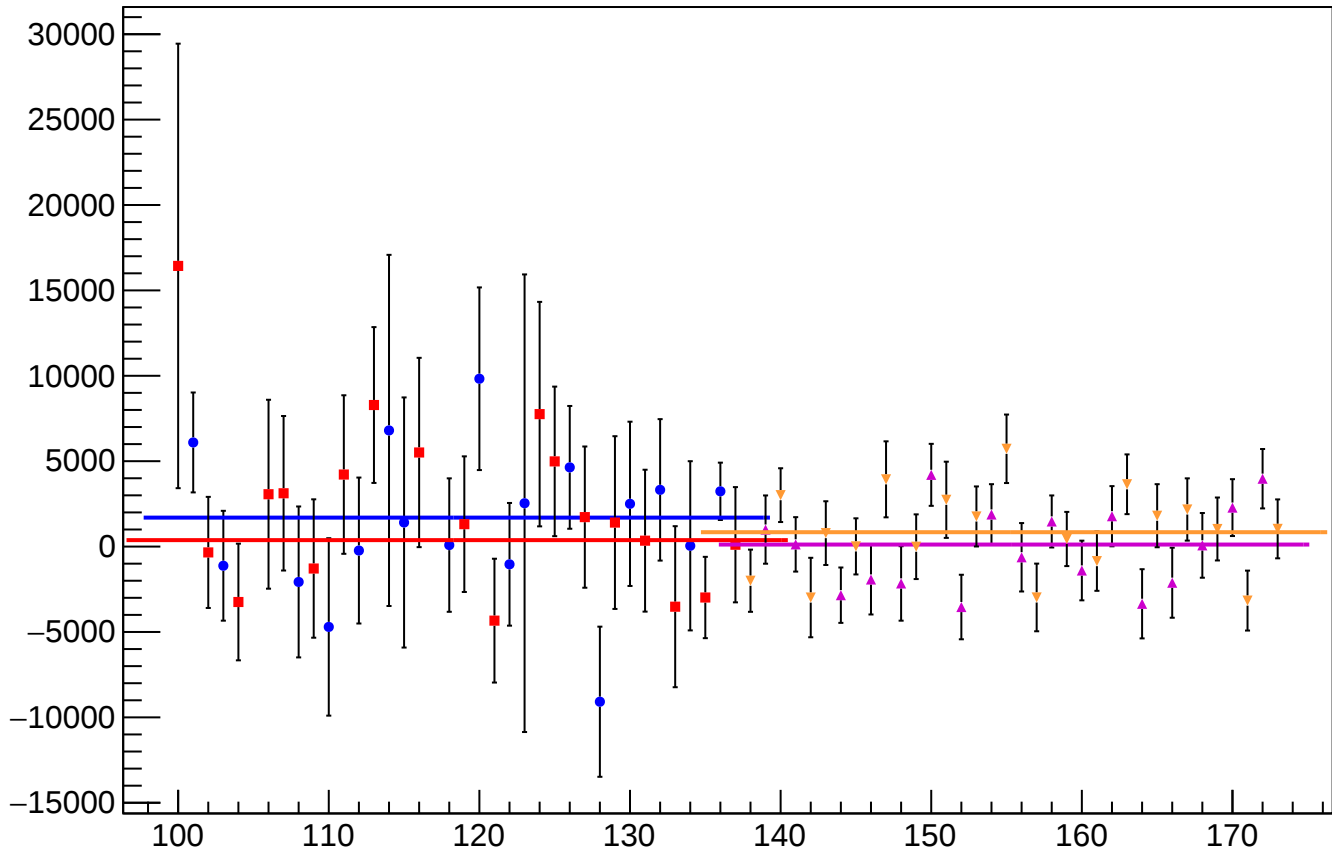
Left In: 1580.412 $\pm$ 0.309 χ^2 /NDF: 220580.5/16

+ sign 1686.041 $\pm$ 0.268 χ^2 /NDF: 2068181.0/35

All: 1708.575 $\pm$ 0.194 χ^2 /NDF: 4350063.3/71

- sign 1733.131 $\pm$ 0.280 χ^2 /NDF: 2267105.6/35

asym_sam_26_dd_mean vs Slug



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 842.067+/-420.314 χ^2/NDF : 29.7/18

Right Out: 377.629+/-938.528 χ^2/NDF : 15.0/18

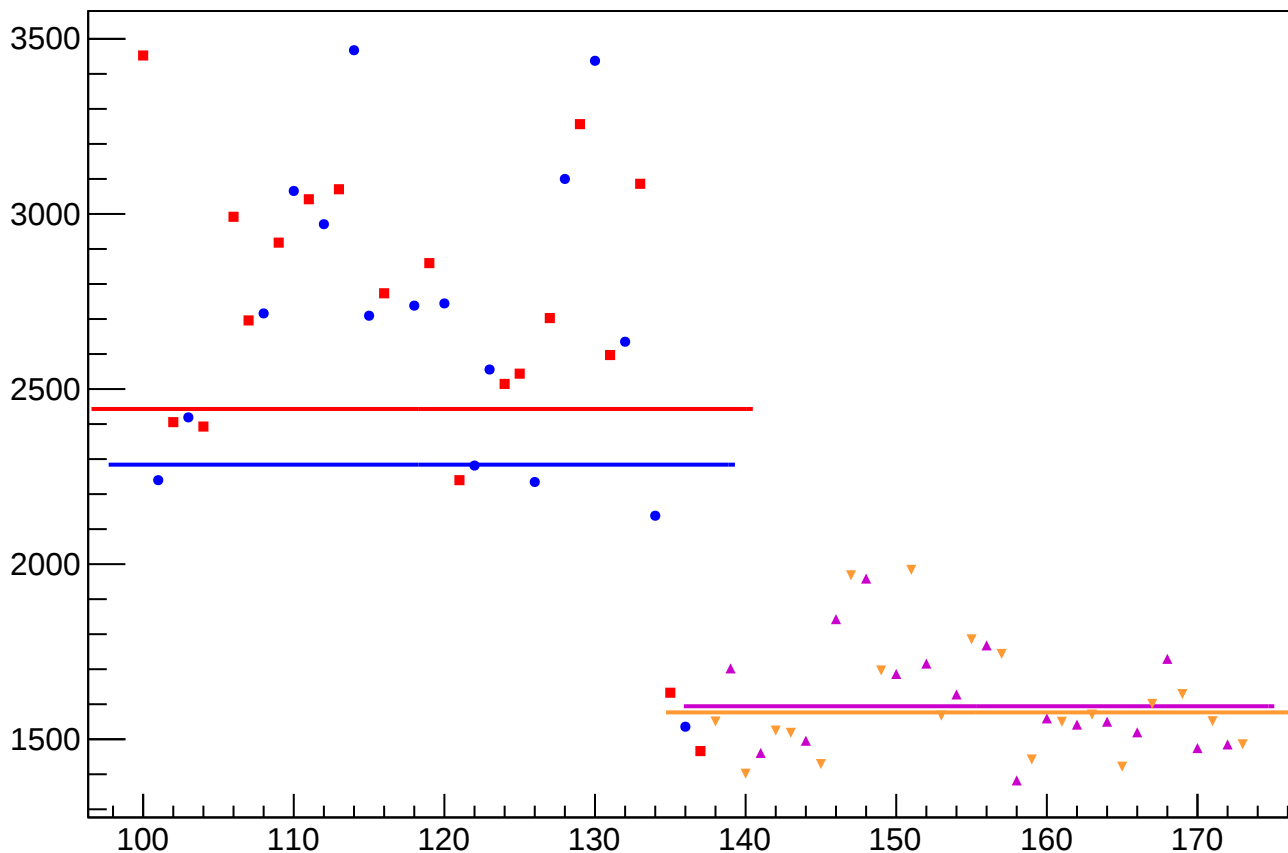
Left In: 118.630+/-440.399 χ^2/NDF : 28.7/16

+ sign 990.891+/-381.933 χ^2/NDF : 47.0/35

All: 595.838+/-275.800 χ^2/NDF : 93.0/71

- sign 165.367+/-398.687 χ^2/NDF : 43.7/35

asym_sam_26_dd_rms vs Slug



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1576.713 $\pm$ 0.297 χ^2 /NDF: 253531.8/18

Right Out: 2443.124 $\pm$ 0.664 χ^2 /NDF: 672899.9/18

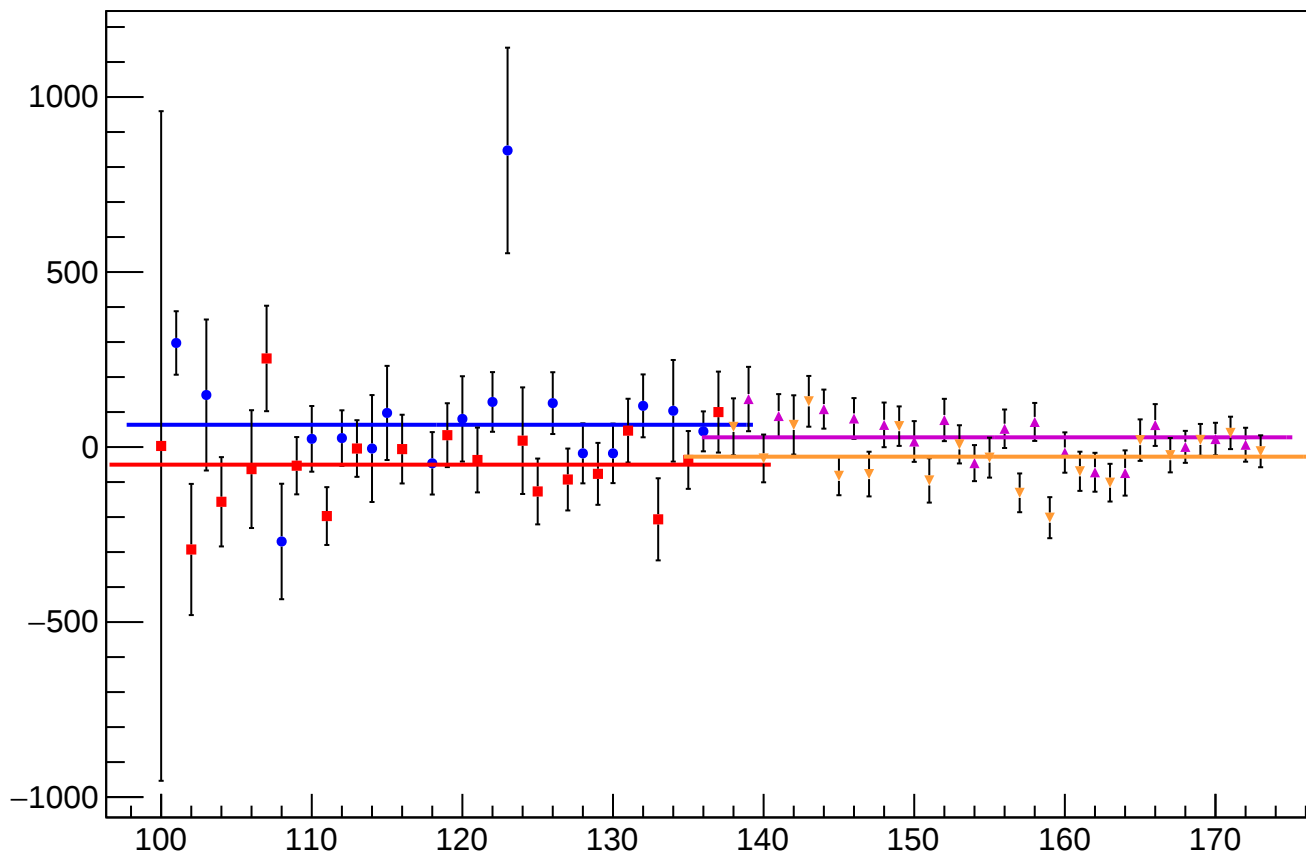
Left In: 1594.231 $\pm$ 0.311 χ^2 /NDF: 215065.0/16

+ sign 1700.004 $\pm$ 0.270 χ^2 /NDF: 2034876.0/35

All: 1722.694 $\pm$ 0.195 χ^2 /NDF: 4278543.7/71

- sign 1747.419 $\pm$ 0.282 χ^2 /NDF: 2228917.0/35

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -27.479 ± 13.040 χ^2/NDF : 31.3/18

Right Out: -50.278 ± 23.661 χ^2/NDF : 16.8/18

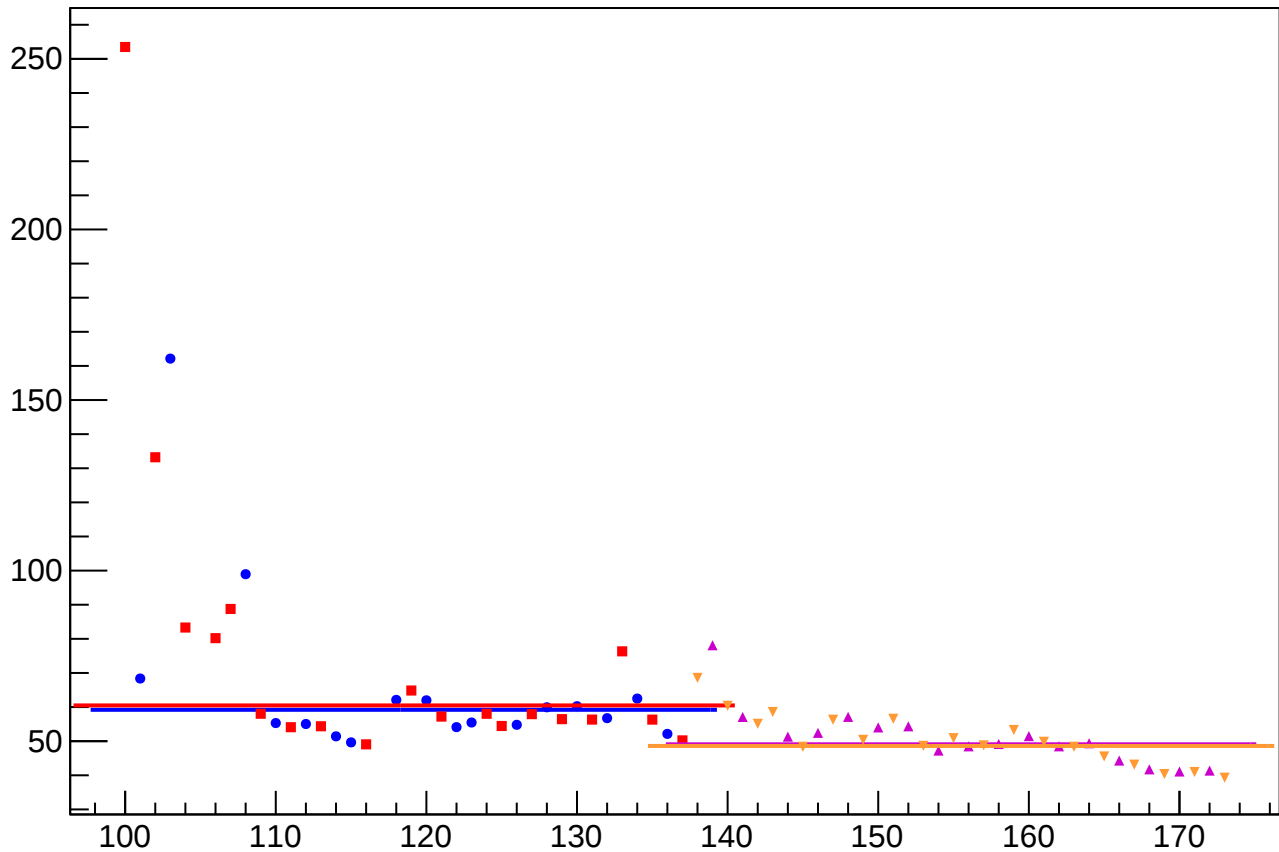
Left In: 27.825 ± 13.651 χ^2/NDF : 16.4/16

+ sign -6.357 ± 11.430 χ^2/NDF : 66.3/35

All: 0.733 ± 8.218 χ^2/NDF : 108.5/71

- sign 8.320 ± 11.824 χ^2/NDF : 41.4/35

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 48.604+/-0.009 χ^2/NDF : 541981.0/18

Right Out: 60.483+/-0.017 χ^2/NDF : 680059.5/18

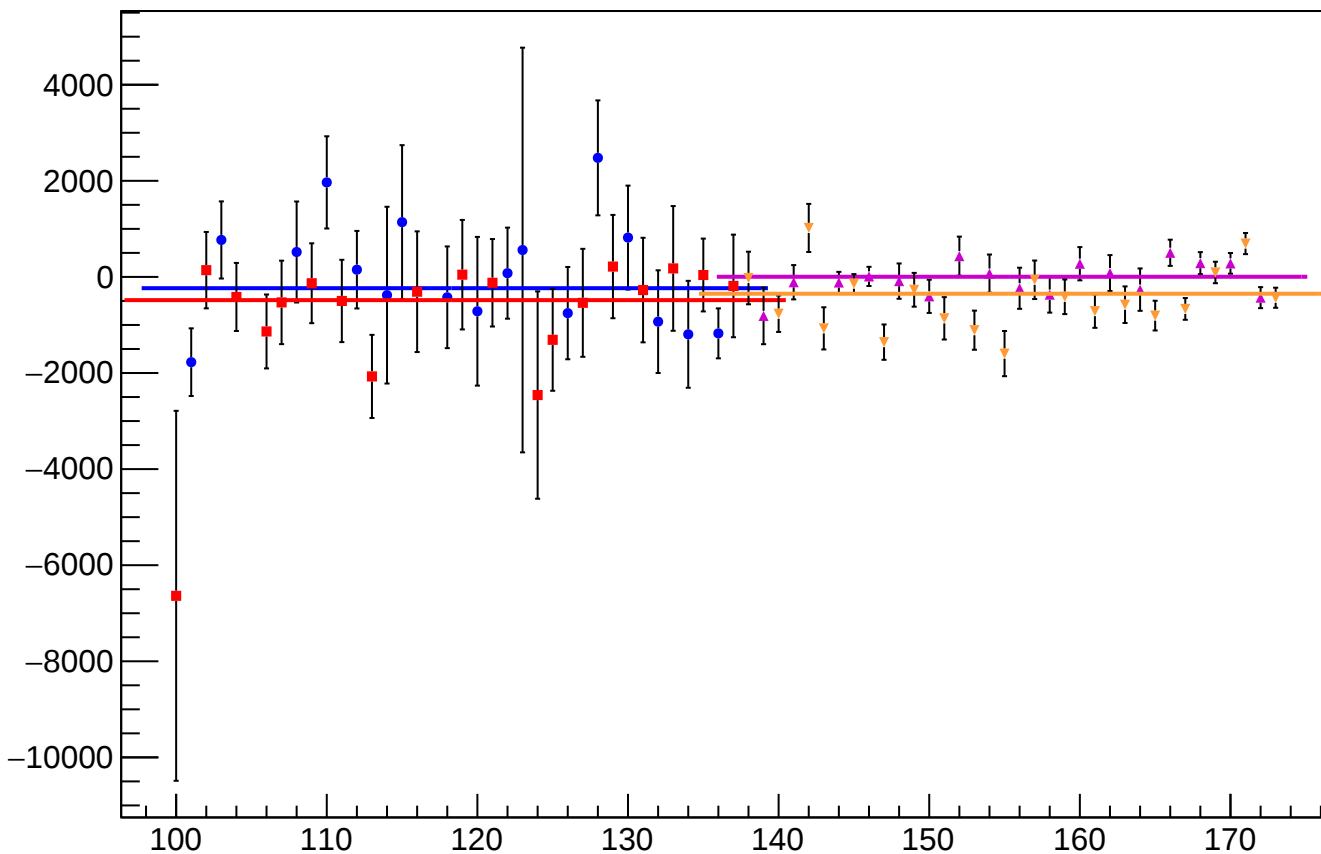
Left In: 49.086+/-0.010 χ^2/NDF : 484223.5/16

+ sign 51.060+/-0.008 χ^2/NDF : 1513522.0/35

All: 51.481+/-0.006 χ^2/NDF : 3031597.5/71

- sign 51.932+/-0.008 χ^2/NDF : 1512443.8/35

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -349.888 ± 70.924 χ^2/NDF : 64.9/18

Right Out: -483.305 ± 222.314 χ^2/NDF : 10.6/18

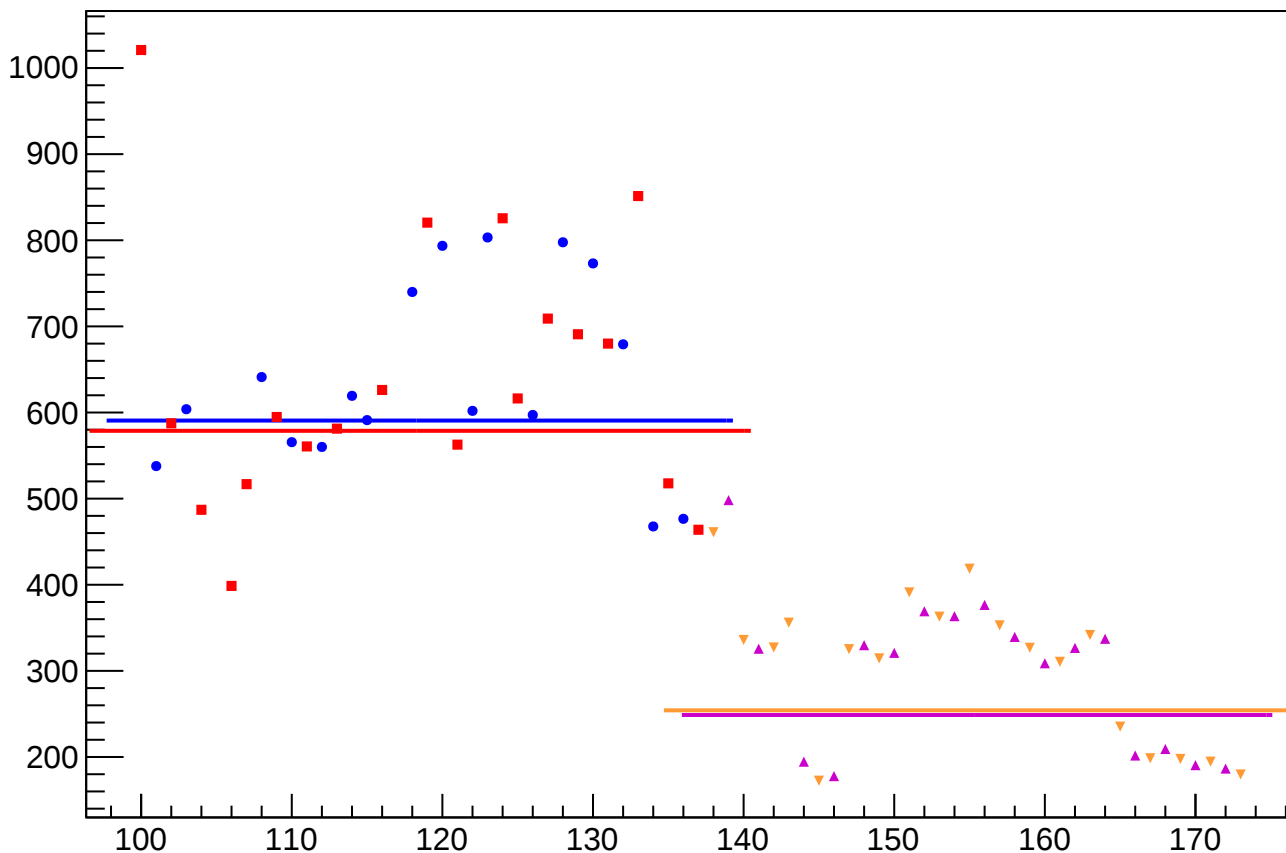
Left In: 3.138 ± 72.014 χ^2/NDF : 17.7/16

+ sign -340.170 ± 67.872 χ^2/NDF : 89.3/35

All: -193.001 ± 48.216 χ^2/NDF : 131.5/71

- sign -43.057 ± 68.509 χ^2/NDF : 32.6/35

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 254.175 $\pm$ 0.050 χ^2 /NDF: 2599540.5/18

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

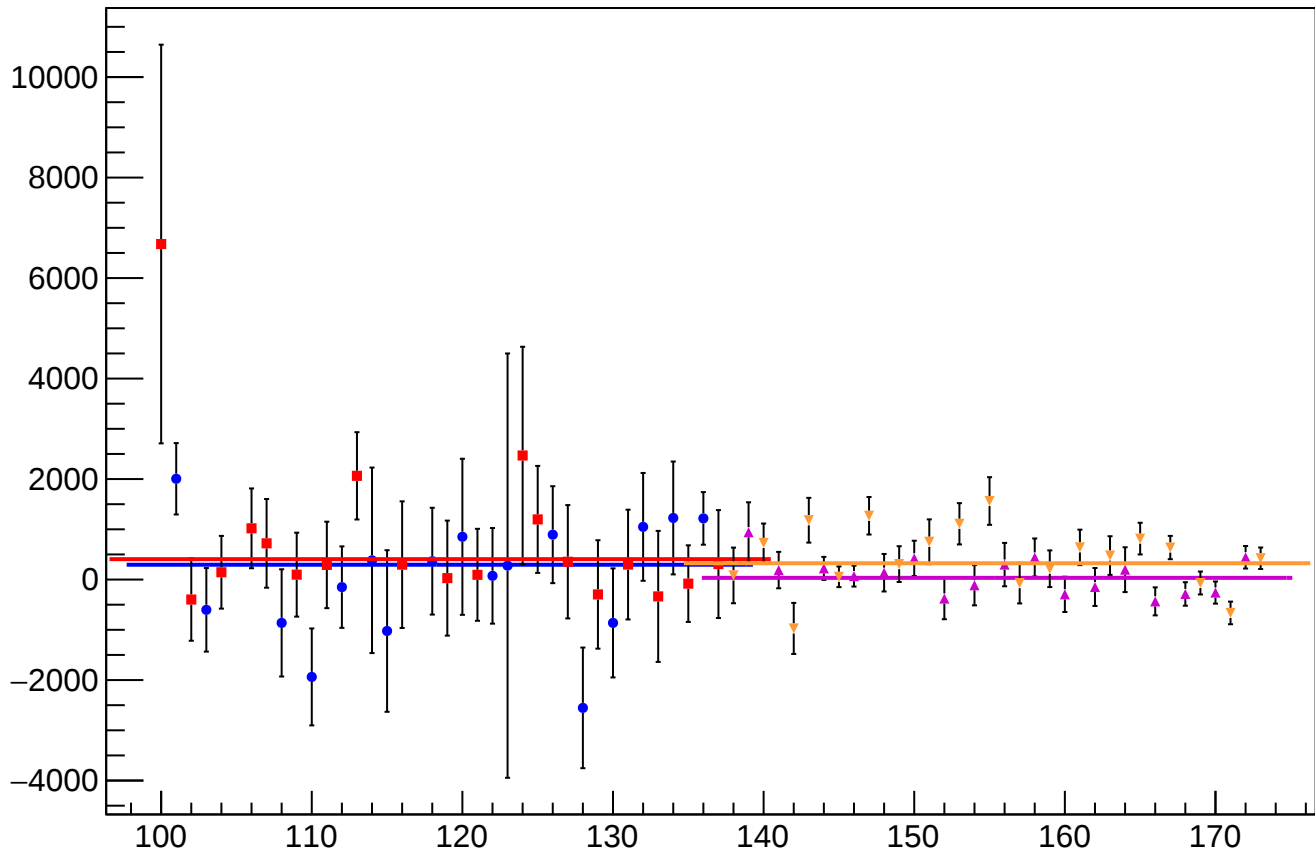
Left In: 248.773 $\pm$ 0.051 χ^2 /NDF: 2304108.2/16

+ sign 282.512 $\pm$ 0.048 χ^2 /NDF: 6742729.8/35

All: 281.322 $\pm$ 0.034 χ^2 /NDF: 13529877.4/71

- sign 280.110 $\pm$ 0.048 χ^2 /NDF: 6785905.9/35

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 324.713 $\pm$ 72.365 χ^2 /NDF:59.8/18

Right Out: 406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

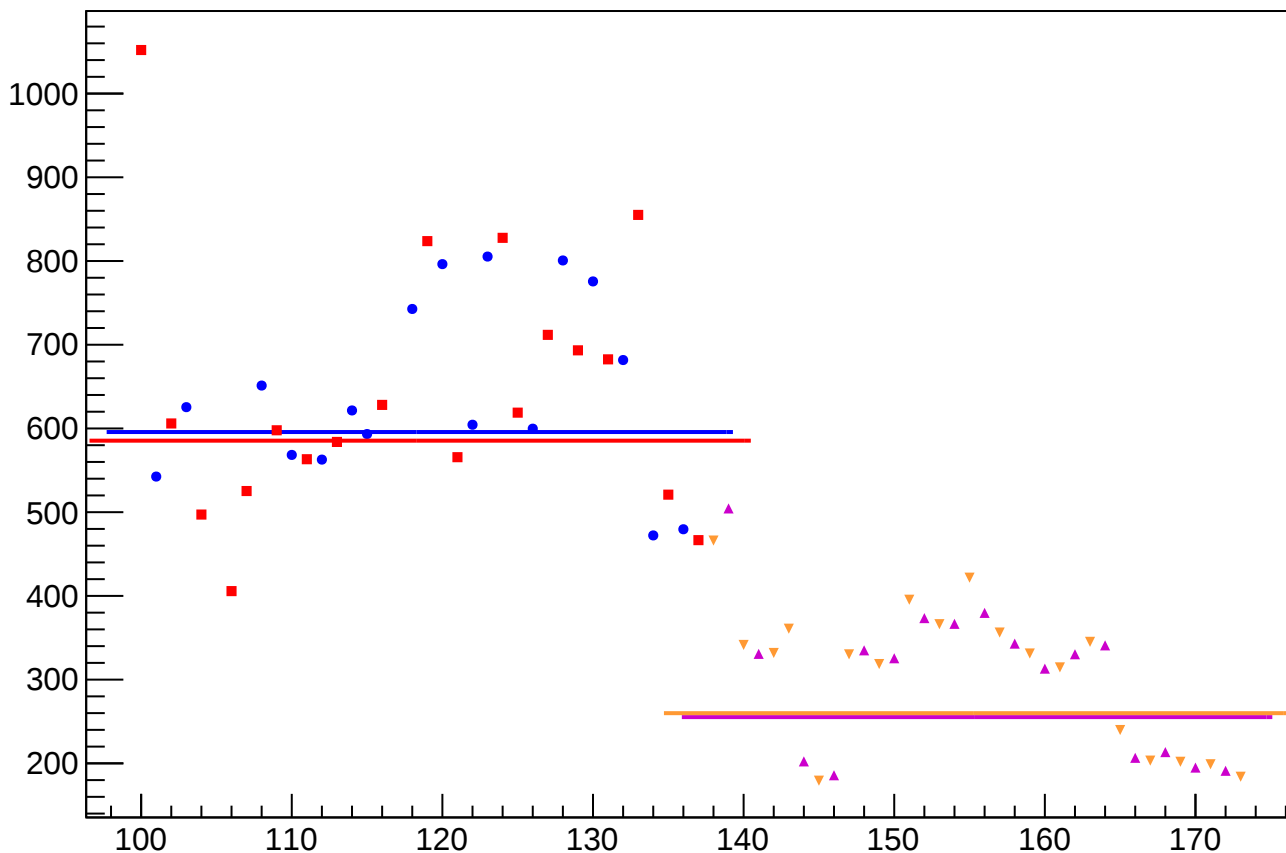
Left In: 34.222 $\pm$ 73.668 χ^2 /NDF:18.2/16

+ sign 322.191 $\pm$ 69.182 χ^2 /NDF: 85.9/35

All: 197.726 $\pm$ 49.208 χ^2 /NDF: 124.1/71

- sign 70.276 $\pm$ 70.007 χ^2 /NDF: 31.7/35

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 259.933 $\pm$ 0.051 χ^2 /NDF:2486288.7/18

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

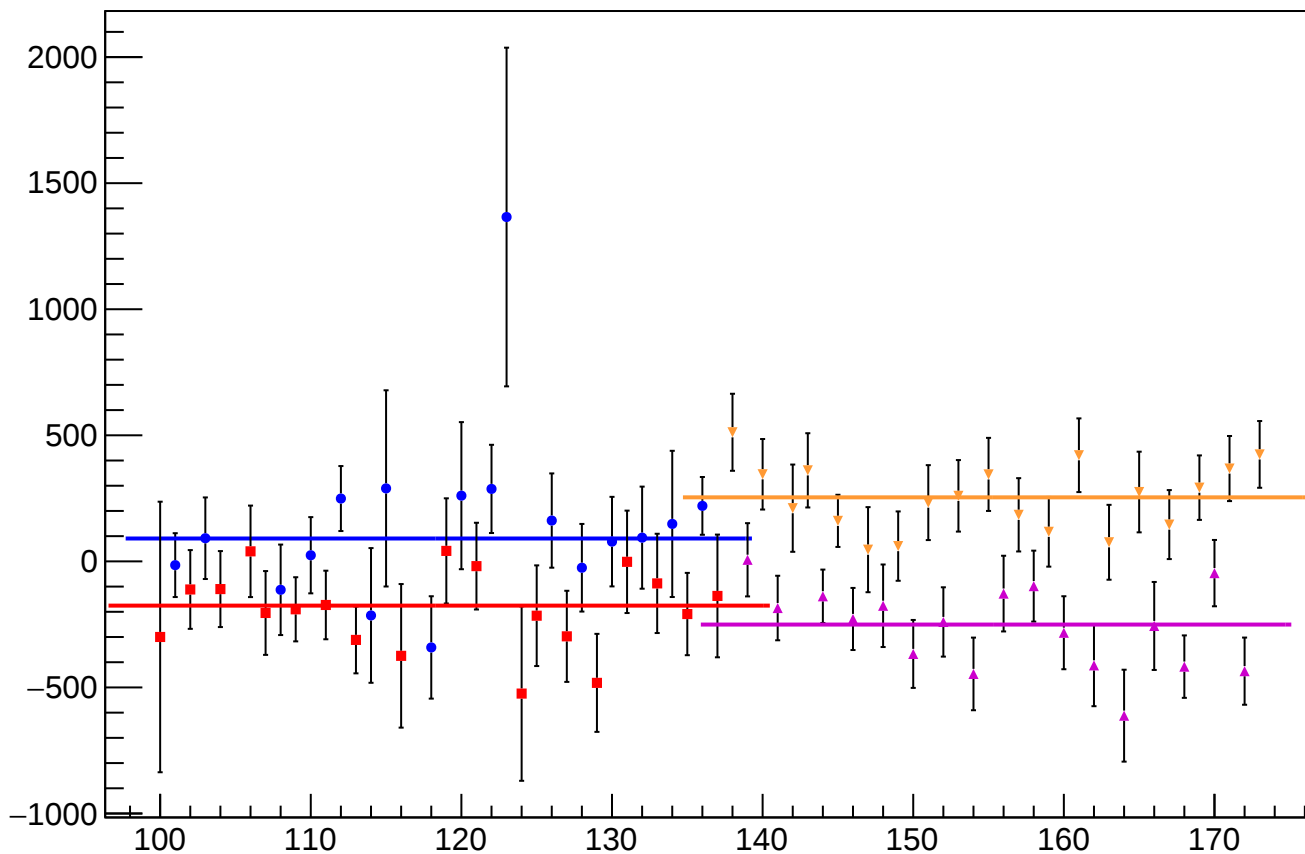
Left In: 255.245 $\pm$ 0.052 χ^2 /NDF:2177670.0/16

+ sign 288.823 $\pm$ 0.049 χ^2 /NDF: 6541561.6/35

All: 288.046 $\pm$ 0.035 χ^2 /NDF: 13088586.6/71

- sign 287.250 $\pm$ 0.050 χ^2 /NDF: 6546514.1/35

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 χ^2/NDF : 16.9/16

Left Out: 253.912 ± 32.274 χ^2/NDF : 15.7/18

Right Out: -175.485 ± 41.101 χ^2/NDF : 10.3/18

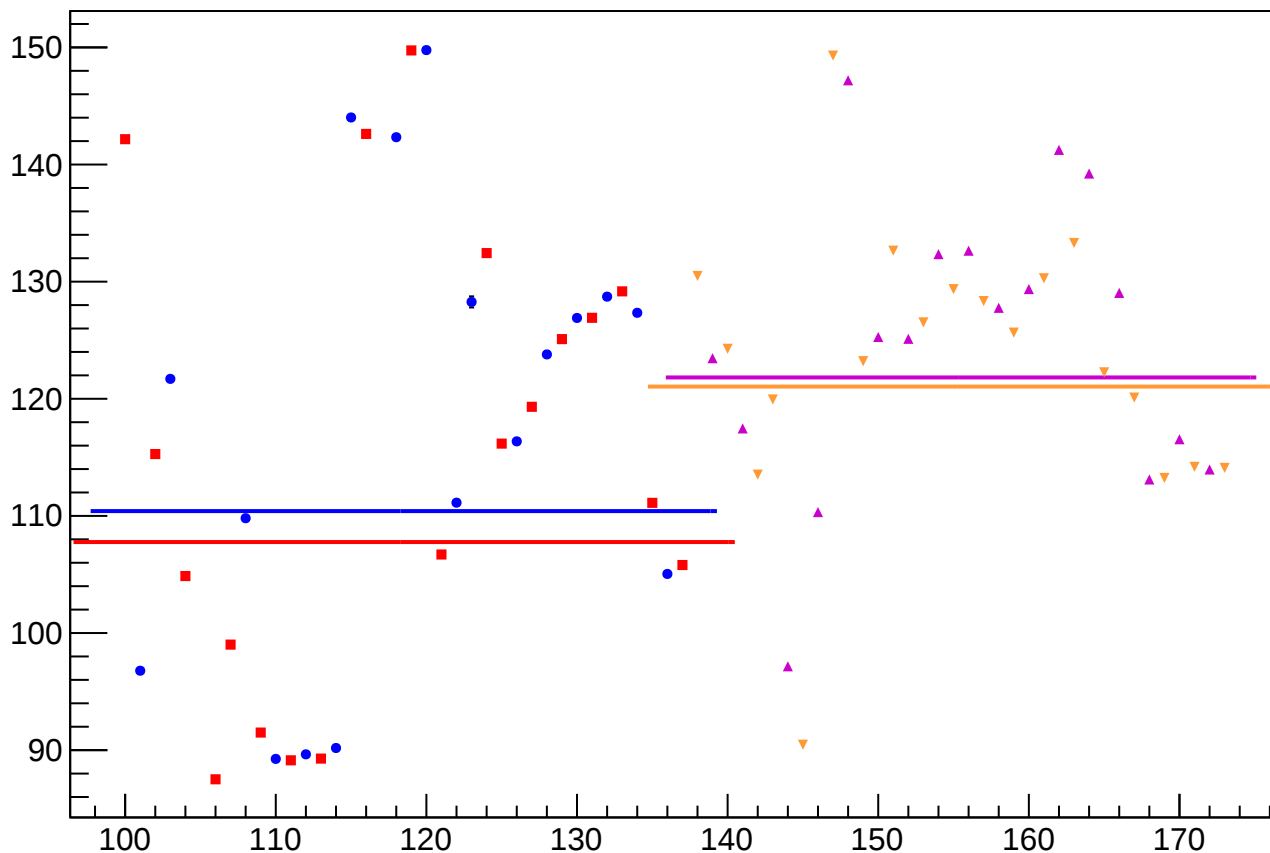
Left In: -250.632 ± 33.707 χ^2/NDF : 20.3/16

+ sign 195.648 ± 25.879 χ^2/NDF : 41.7/35

All: -10.911 ± 18.364 χ^2/NDF : 202.7/71

- sign -220.414 ± 26.063 χ^2/NDF : 32.6/35

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 121.043 $\pm$ 0.023 χ^2 /NDF: 313372.2/18

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

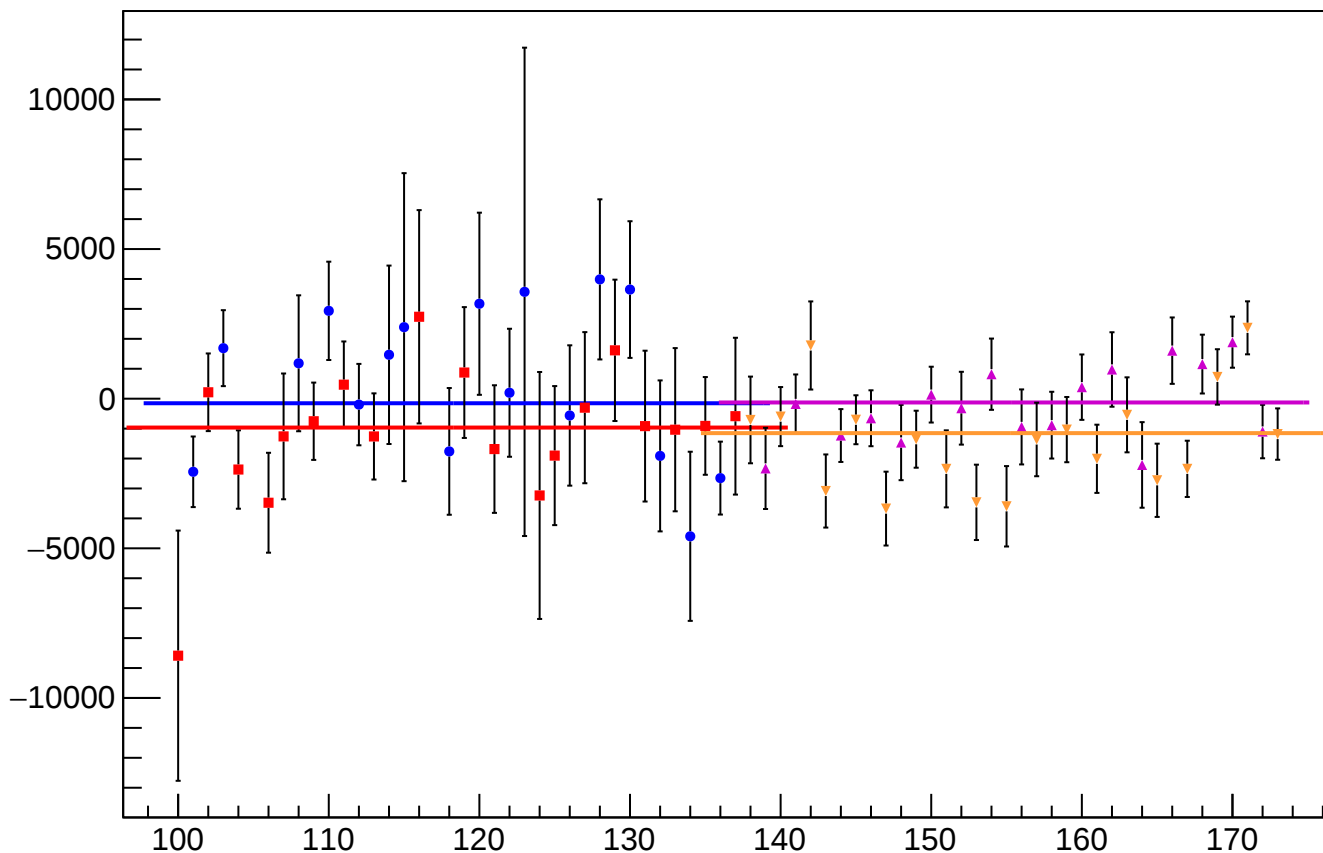
Left In: 121.822 $\pm$ 0.024 χ^2 /NDF: 279671.5/16

+ sign 117.247 $\pm$ 0.018 χ^2 /NDF: 687283.3/35

All: 116.713 $\pm$ 0.013 χ^2 /NDF: 1452931.0/71

- sign 116.171 $\pm$ 0.018 χ^2 /NDF: 763928.4/35

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1150.676 ± 248.552 χ^2/NDF : 43.0/18

Right Out: -964.716 ± 435.111 χ^2/NDF : 12.3/18

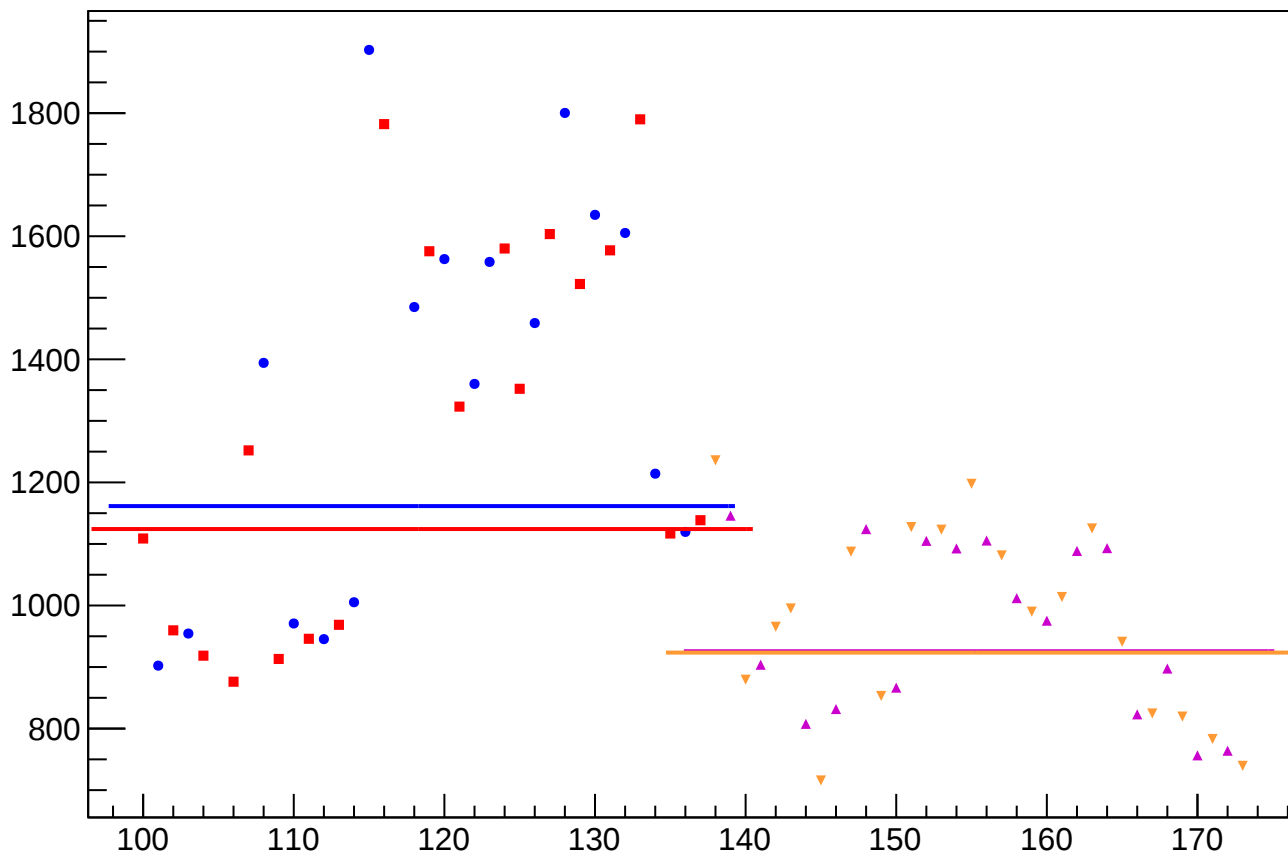
Left In: -126.664 ± 257.751 χ^2/NDF : 21.3/16

+ sign -928.655 ± 219.176 χ^2/NDF : 71.2/35

All: -639.932 ± 155.887 χ^2/NDF : 111.1/71

- sign -344.357 ± 221.762 χ^2/NDF : 36.3/35

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 923.485 $\pm$ 0.176 χ^2 /NDF: 759703.3/18

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

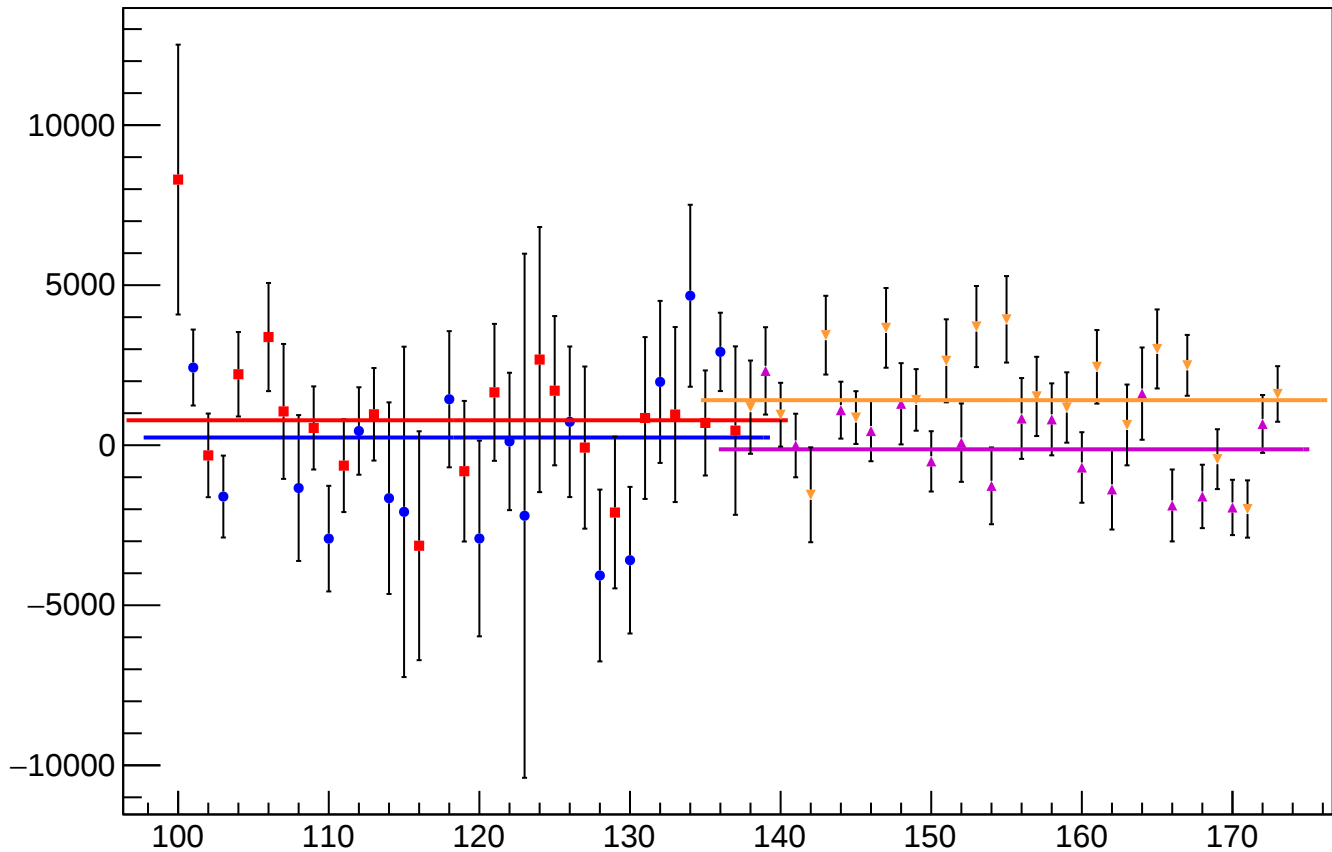
Left In: 925.697 $\pm$ 0.182 χ^2 /NDF: 532058.0/16

+ sign 976.427 $\pm$ 0.155 χ^2 /NDF: 1863609.9/35

All: 976.843 $\pm$ 0.110 χ^2 /NDF: 3471712.2/71

- sign 977.269 $\pm$ 0.157 χ^2 /NDF: 1608087.8/35

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1407.015 $\pm$ 250.771 χ^2 /NDF:40.9/18

Right Out: 779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

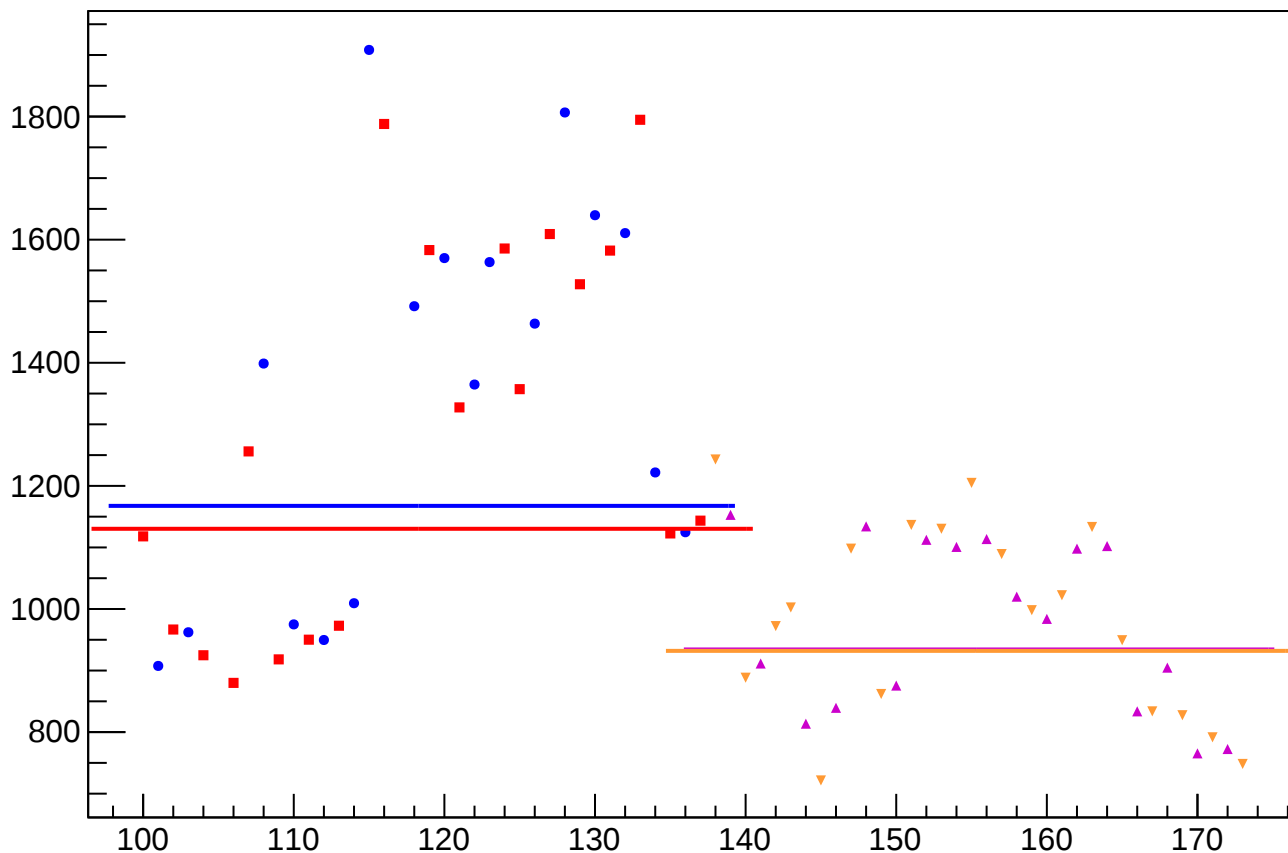
Left In: -128.200 $\pm$ 260.076 χ^2 /NDF:21.7/16

+ sign 1146.016 $\pm$ 220.937 χ^2 /NDF: 70.6/35

All: 633.492 $\pm$ 157.144 χ^2 /NDF: 118.7/71

- sign 108.740 $\pm$ 223.556 χ^2 /NDF: 37.2/35

asym_sam_48_dd_rms vs Slug



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 931.983 $\pm$ 0.177 χ^2 /NDF: 748253.3/18

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

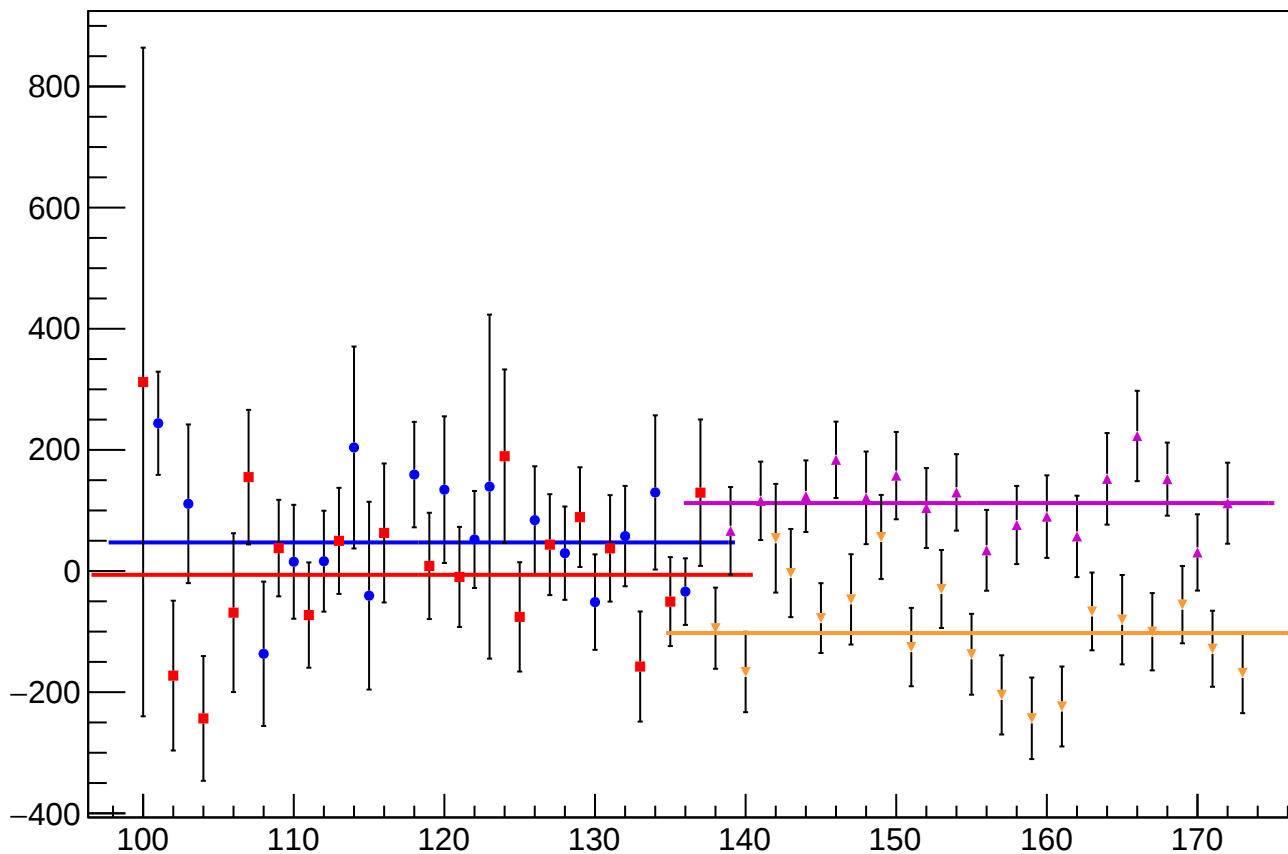
Left In: 934.259 $\pm$ 0.184 χ^2 /NDF: 523272.5/16

+ sign 984.697 $\pm$ 0.156 χ^2 /NDF: 1833648.9/35

All: 985.069 $\pm$ 0.111 χ^2 /NDF: 3415172.1/71

- sign 985.450 $\pm$ 0.158 χ^2 /NDF: 1581511.7/35

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 ± 22.565 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -102.351 ± 15.360 $\chi^2/\text{NDF}: 25.8/18$

Right Out: -6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

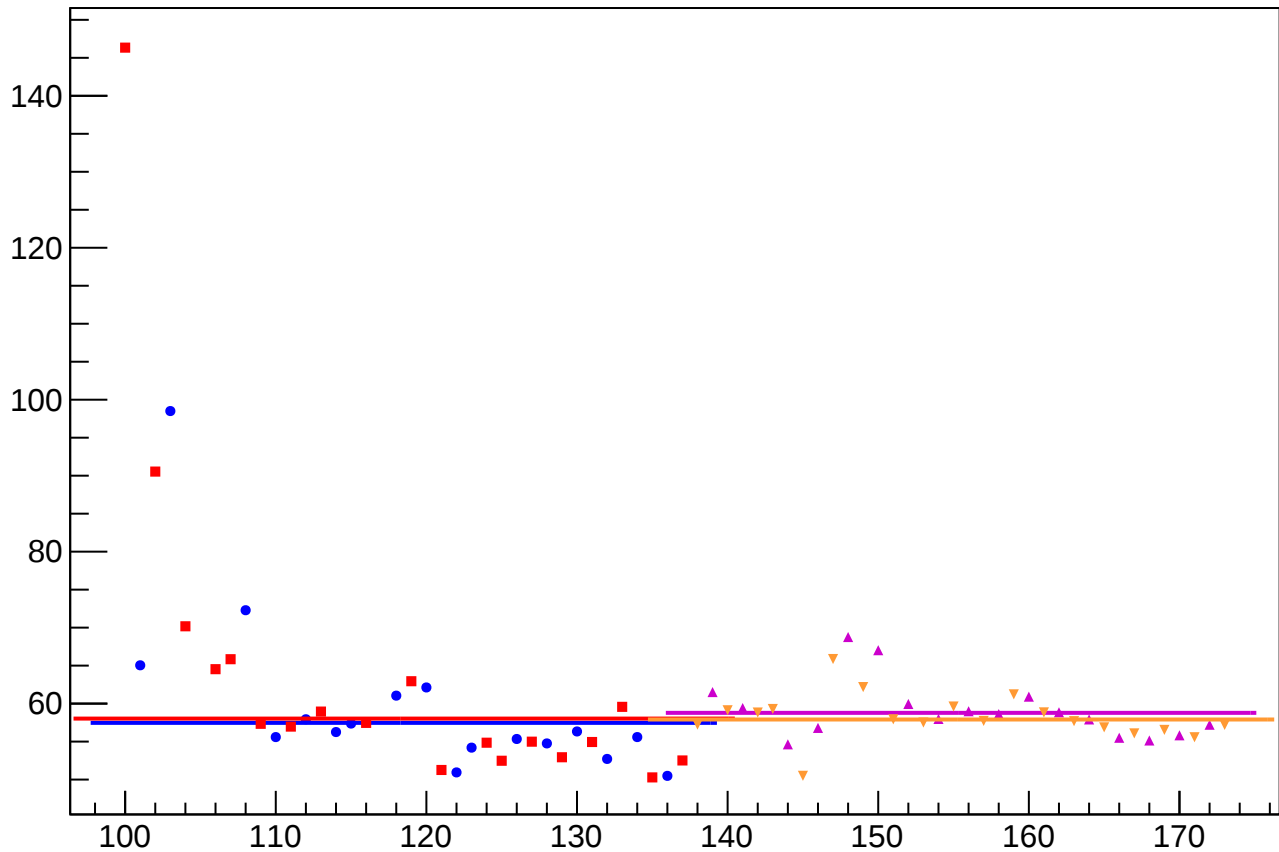
Left In: 112.210 ± 16.184 $\chi^2/\text{NDF}: 9.3/16$

+ sign -54.990 ± 12.697 $\chi^2/\text{NDF}: 71.9/35$

All: 6.183 ± 9.105 $\chi^2/\text{NDF}: 167.9/71$

- sign 70.927 ± 13.063 $\chi^2/\text{NDF}: 48.2/35$

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 57.907 $\pm$ 0.011 χ^2 /NDF: 77837.2/18

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

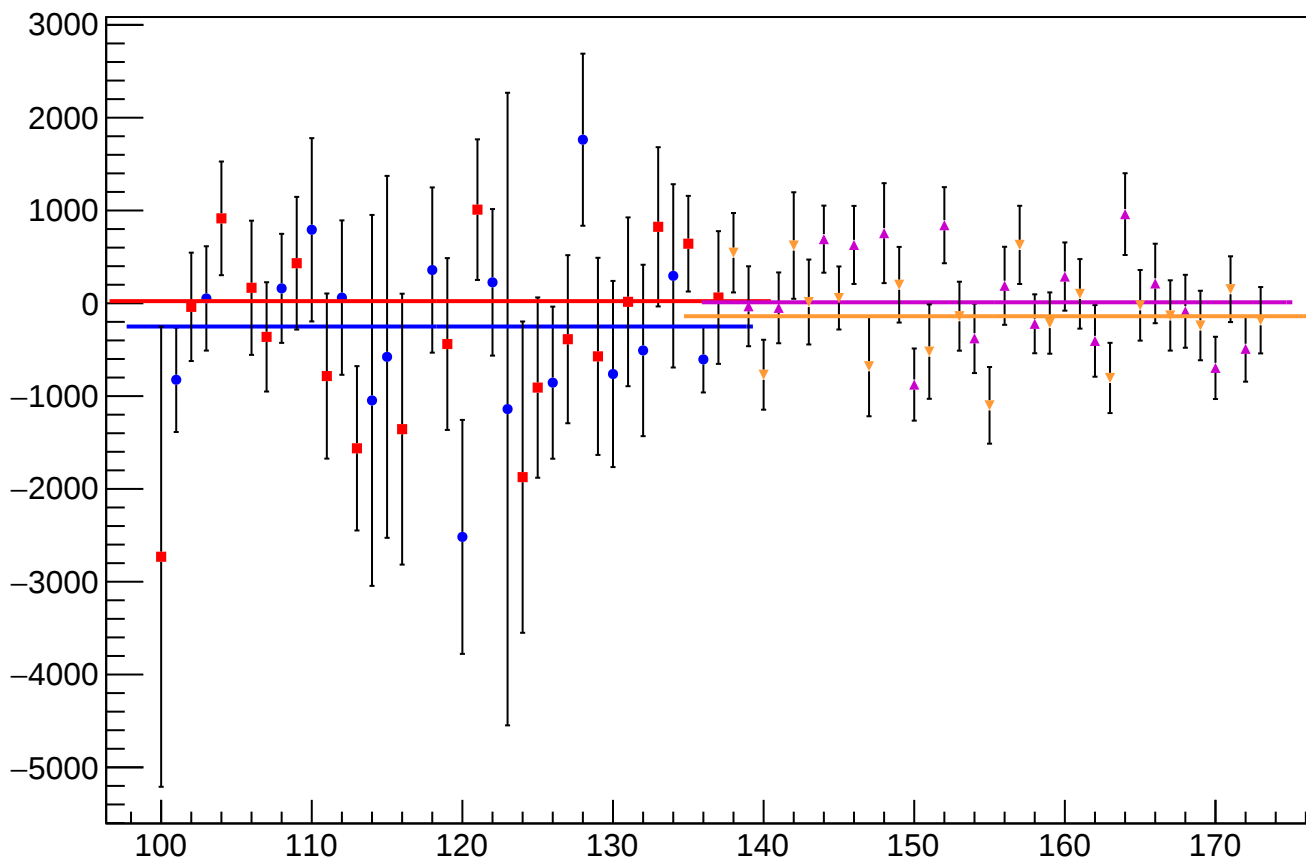
Left In: 58.783 $\pm$ 0.011 χ^2 /NDF: 94920.7/16

+ sign 57.767 $\pm$ 0.009 χ^2 /NDF: 385516.6/35

All: 58.133 $\pm$ 0.006 χ^2 /NDF: 786156.4/71

- sign 58.519 $\pm$ 0.009 χ^2 /NDF: 397228.4/35

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 ± 184.092 χ^2/NDF : 14.3/16

Left Out: -139.277 ± 90.870 χ^2/NDF : 23.0/18

Right Out: 23.314 ± 181.834 χ^2/NDF : 16.1/18

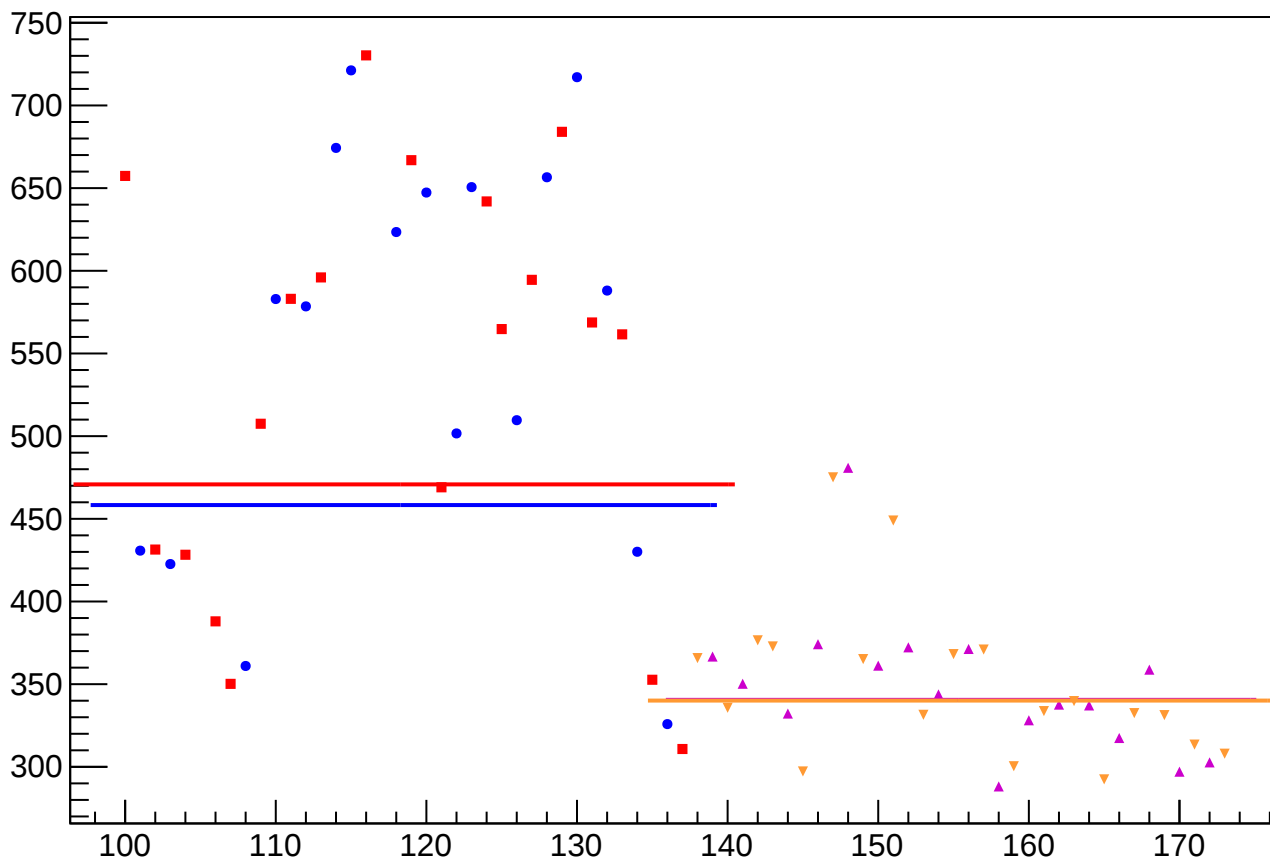
Left In: 10.871 ± 94.341 χ^2/NDF : 31.9/16

+ sign -160.997 ± 81.484 χ^2/NDF : 37.5/35

All: -76.127 ± 58.399 χ^2/NDF : 87.7/71

- sign 13.510 ± 83.741 χ^2/NDF : 47.9/35

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 $\pm$ 0.130 χ^2 /NDF: 877201.7/16

Left Out: 340.084 $\pm$ 0.064 χ^2 /NDF: 393658.1/18

Right Out: 470.827 $\pm$ 0.129 χ^2 /NDF: 778635.2/18

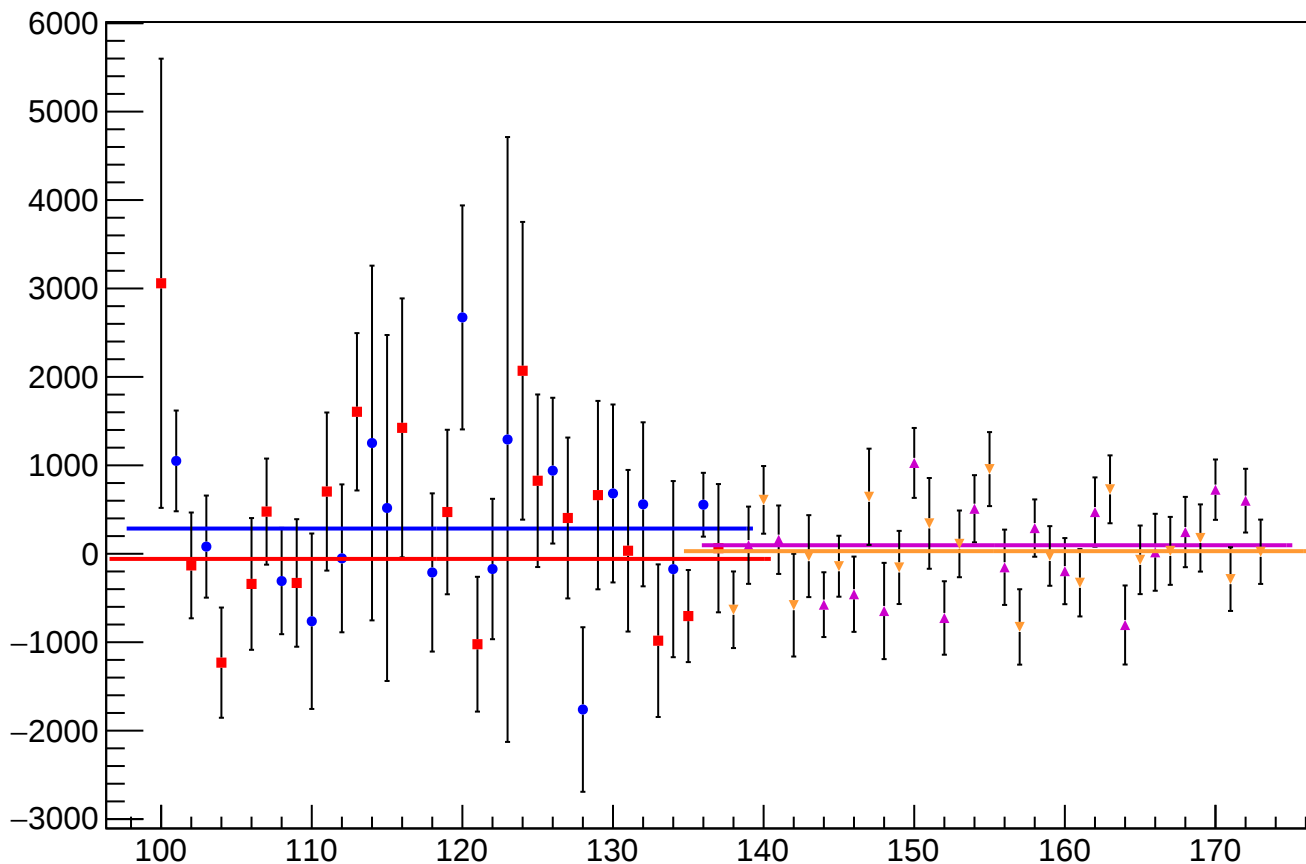
Left In: 340.519 $\pm$ 0.067 χ^2 /NDF: 310339.6/16

+ sign 363.249 $\pm$ 0.058 χ^2 /NDF: 1934286.3/35

All: 365.636 $\pm$ 0.041 χ^2 /NDF: 3836071.9/71

- sign 368.156 $\pm$ 0.059 χ^2 /NDF: 1898258.3/35

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 χ^2/NDF : 15.2/16

Left Out: 29.598 ± 92.227 χ^2/NDF : 22.1/18

Right Out: -58.001 ± 184.074 χ^2/NDF : 19.2/18

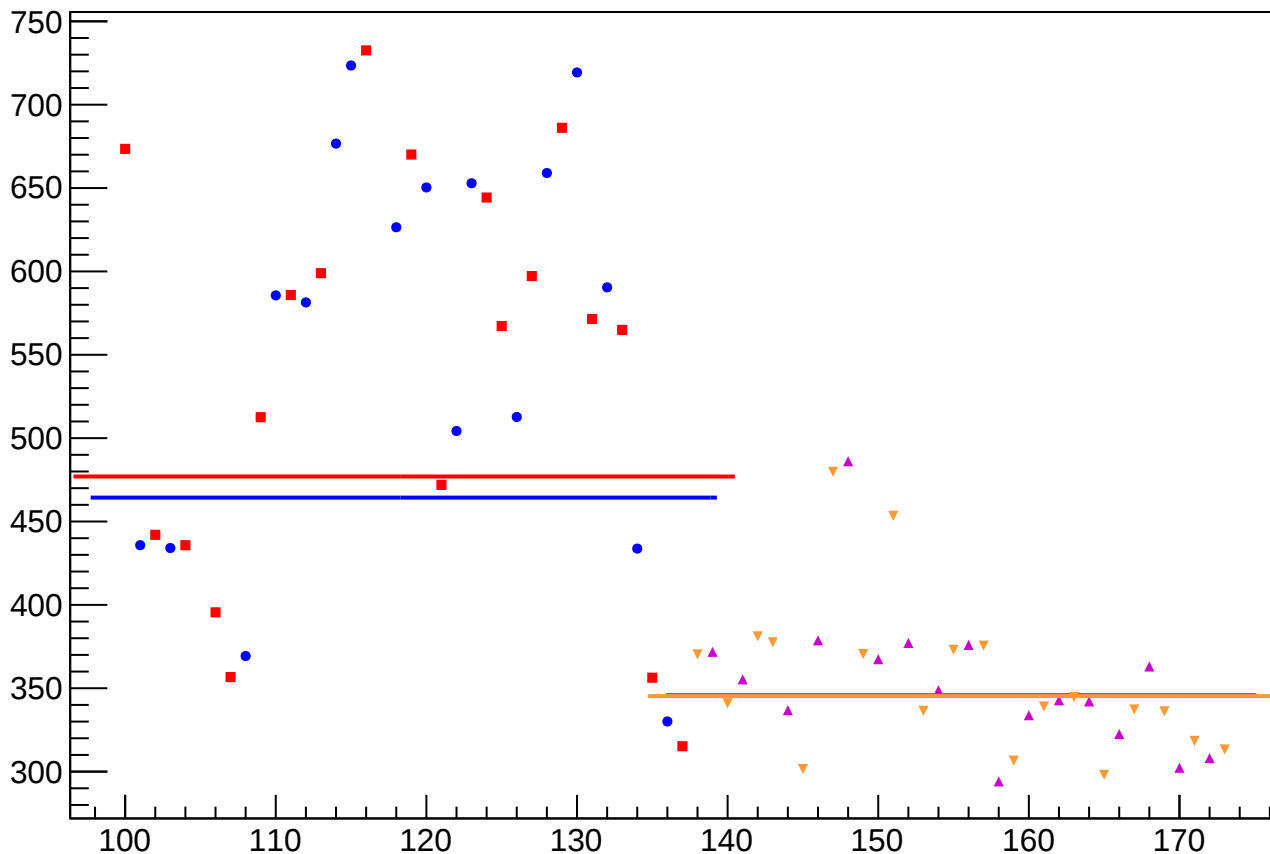
Left In: 96.617 ± 95.781 χ^2/NDF : 29.4/16

+ sign 79.955 ± 82.650 χ^2/NDF : 38.8/35

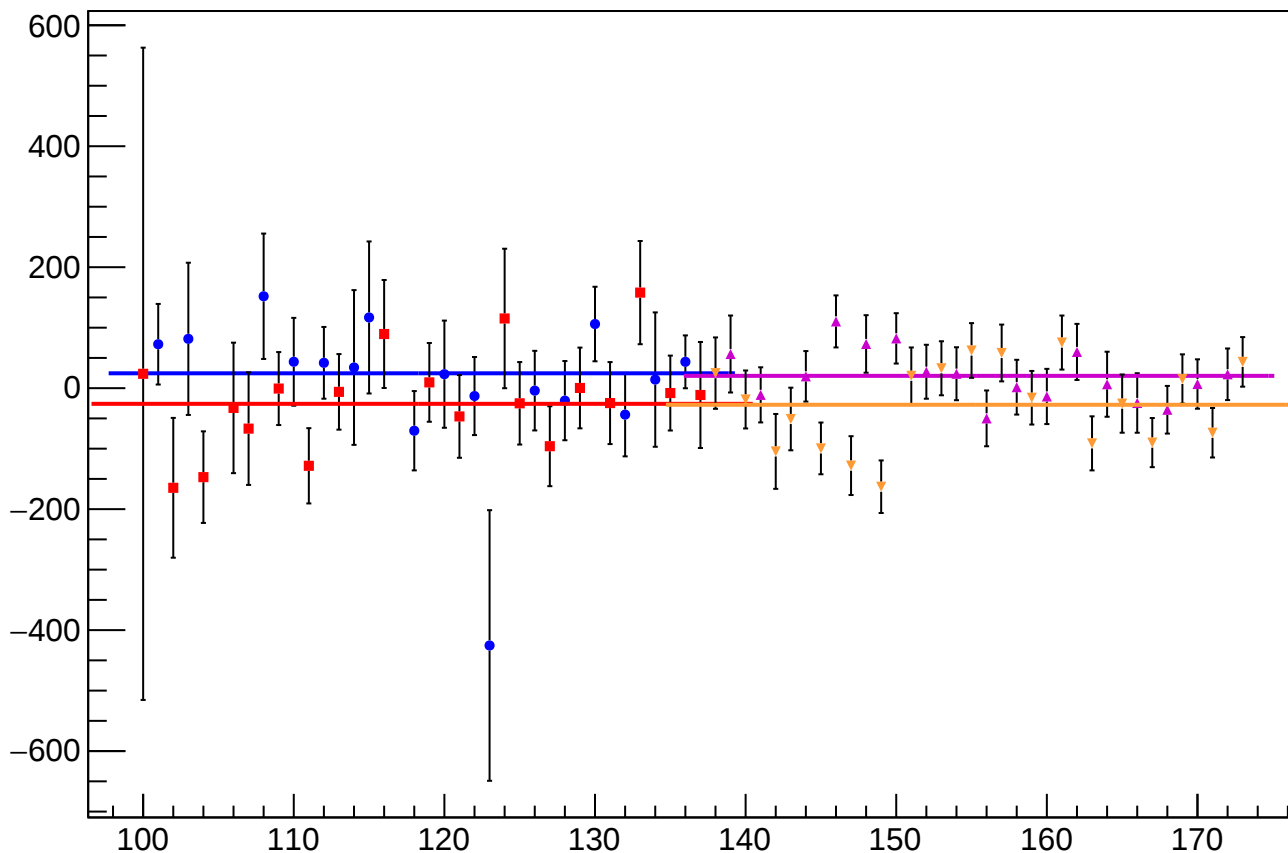
All: 72.039 ± 59.245 χ^2/NDF : 87.9/71

- sign 63.673 ± 84.967 χ^2/NDF : 49.2/35

asym_sam_13_57_dd_rms vs Slug



reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -27.452 ± 10.481 $\chi^2/\text{NDF}: 44.7/18$

Right Out: -25.884 ± 17.386 $\chi^2/\text{NDF}: 16.8/18$

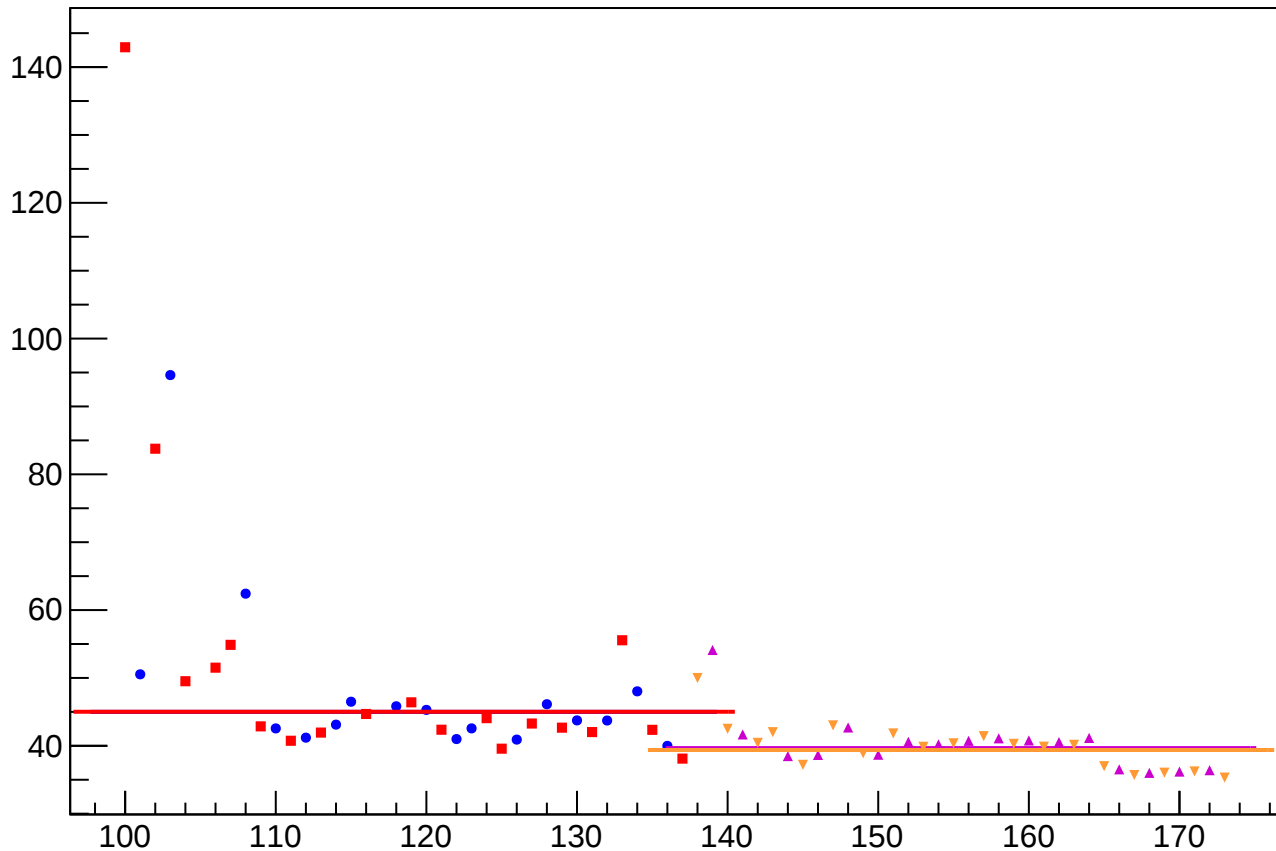
Left In: 20.377 ± 10.949 $\chi^2/\text{NDF}: 15.5/16$

+ sign -14.098 ± 9.037 $\chi^2/\text{NDF}: 64.0/35$

All: -3.695 ± 6.469 $\chi^2/\text{NDF}: 104.1/71$

- sign 7.241 ± 9.265 $\chi^2/\text{NDF}: 37.3/35$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 39.383 $\pm$ 0.007 χ^2 /NDF:174005.4/18

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

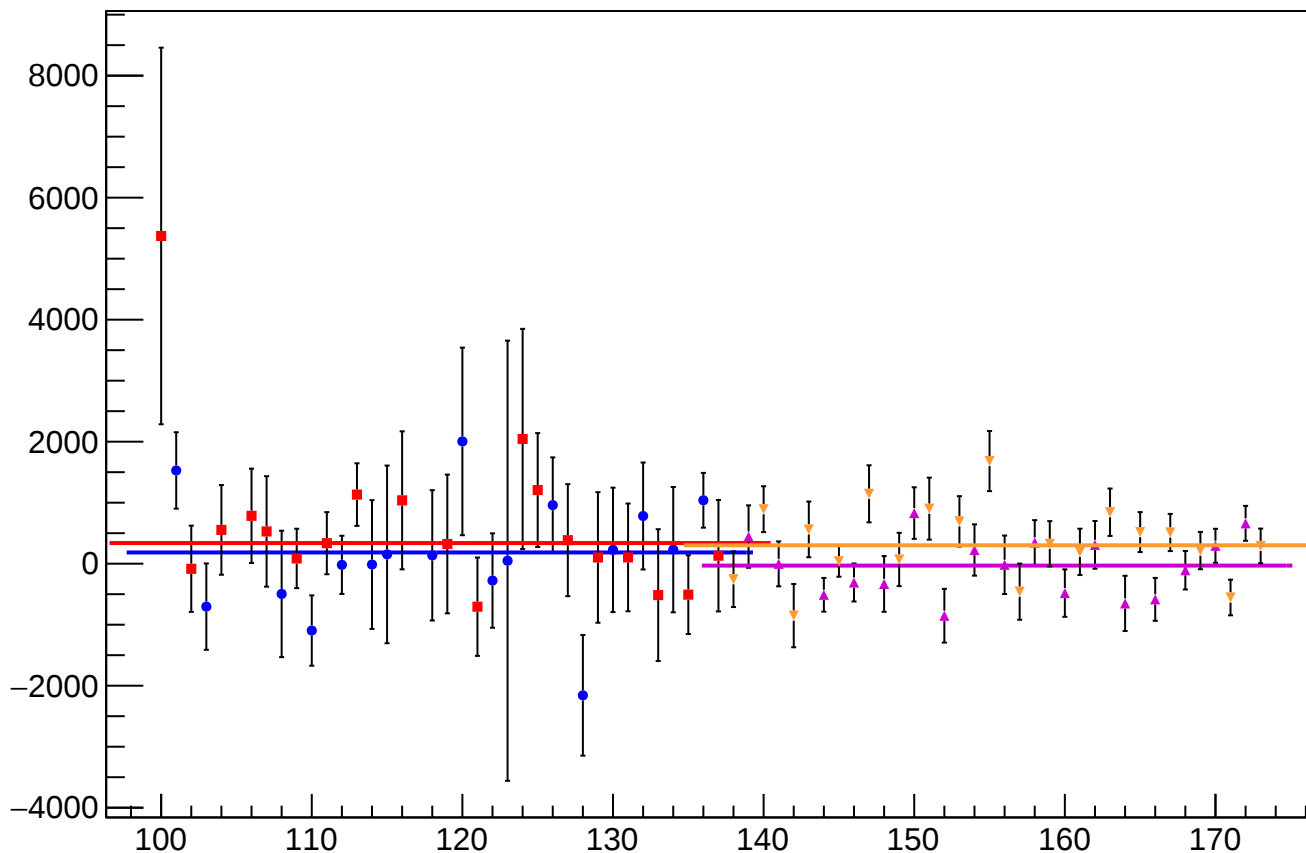
Left In: 39.667 $\pm$ 0.008 χ^2 /NDF:178135.8/16

+ sign 40.825 $\pm$ 0.006 χ^2 /NDF: 759835.6/35

All: 41.001 $\pm$ 0.005 χ^2 /NDF: 1490648.4/71

- sign 41.186 $\pm$ 0.007 χ^2 /NDF: 729251.0/35

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 $\pm$ 188.558 χ^2 /NDF: 24.2/16

Left Out: 301.446 $\pm$ 84.494 χ^2 /NDF:38.3/18

Right Out: 338.329 $\pm$ 179.381 χ^2 /NDF: 12.5/18

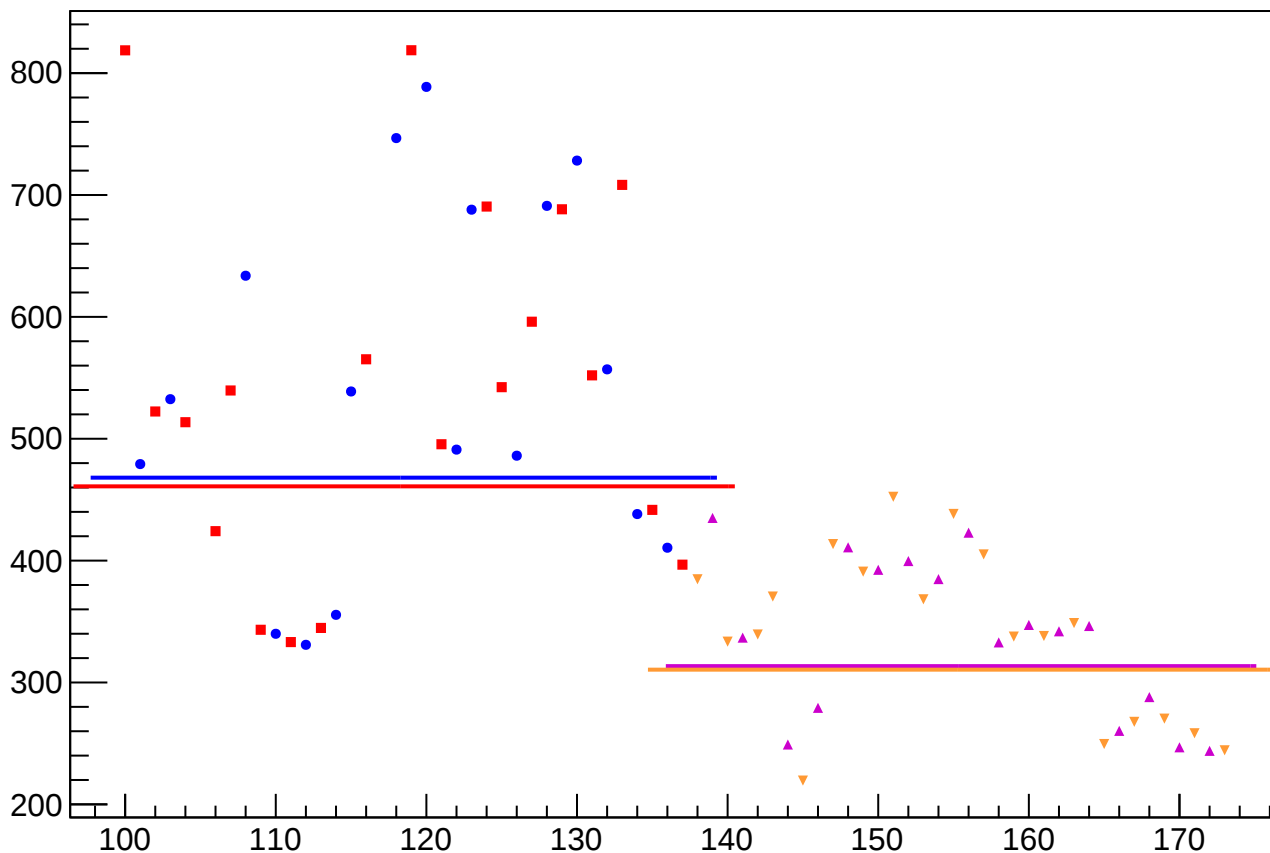
Left In: -31.195 $\pm$ 88.093 χ^2 /NDF:27.9/16

+ sign 281.838 $\pm$ 77.106 χ^2 /NDF: 62.8/35

All: 164.260 $\pm$ 55.205 χ^2 /NDF: 111.4/71

- sign 40.608 $\pm$ 79.073 χ^2 /NDF: 43.8/35

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 310.522 $\pm$ 0.060 χ^2 /NDF: 1294714.4/18

Right Out: 460.939 $\pm$ 0.127 χ^2 /NDF: 955028.5/18

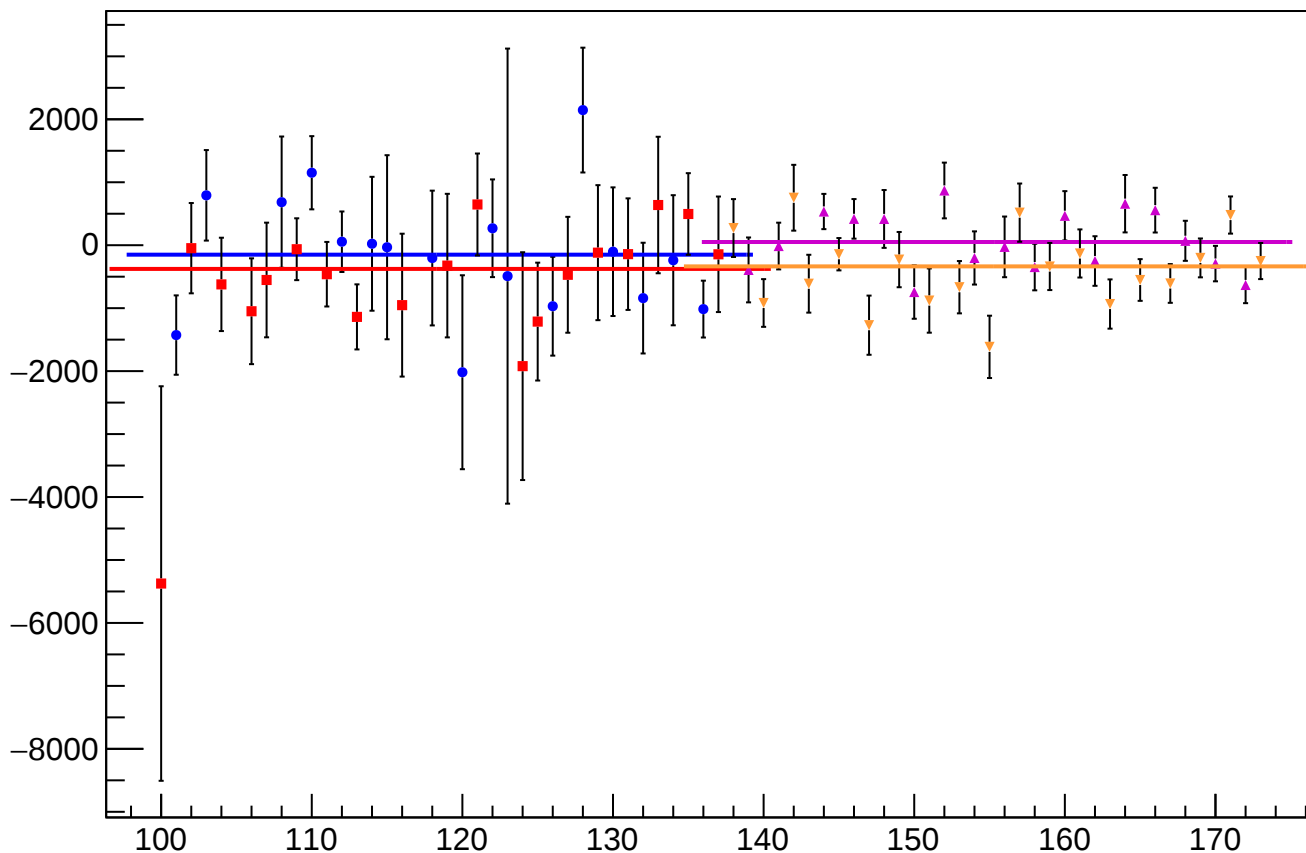
Left In: 313.425 $\pm$ 0.062 χ^2 /NDF: 986373.1/16

+ sign 336.868 $\pm$ 0.055 χ^2 /NDF: 3337824.2/35

All: 339.413 $\pm$ 0.039 χ^2 /NDF: 6373410.6/71

- sign 342.089 $\pm$ 0.056 χ^2 /NDF: 3031117.6/35

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -336.335 ± 85.223 χ^2/NDF : 37.0/18

Right Out: -376.554 ± 181.258 χ^2/NDF : 12.4/18

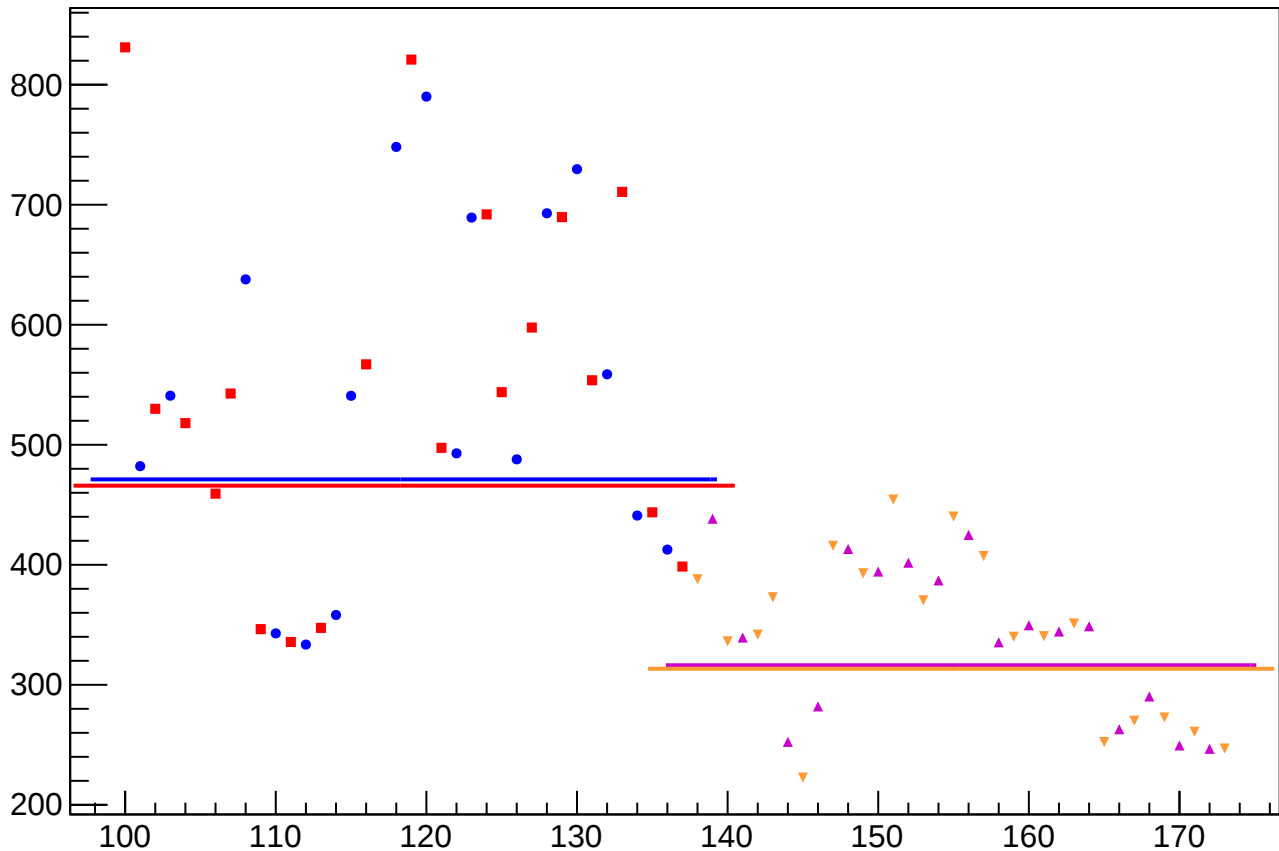
Left In: 50.946 ± 88.850 χ^2/NDF : 26.8/16

+ sign -305.102 ± 77.740 χ^2/NDF : 62.0/35

All: -172.027 ± 55.678 χ^2/NDF : 111.7/71

- sign -31.875 ± 79.781 χ^2/NDF : 43.7/35

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156 $\pm$ 0.134 χ^2 /NDF: 871832.5/16

Left Out: 313.392 $\pm$ 0.060 χ^2 /NDF:1264755.9/18

Right Out: 465.935 $\pm$ 0.128 χ^2 /NDF: 940521.6/18

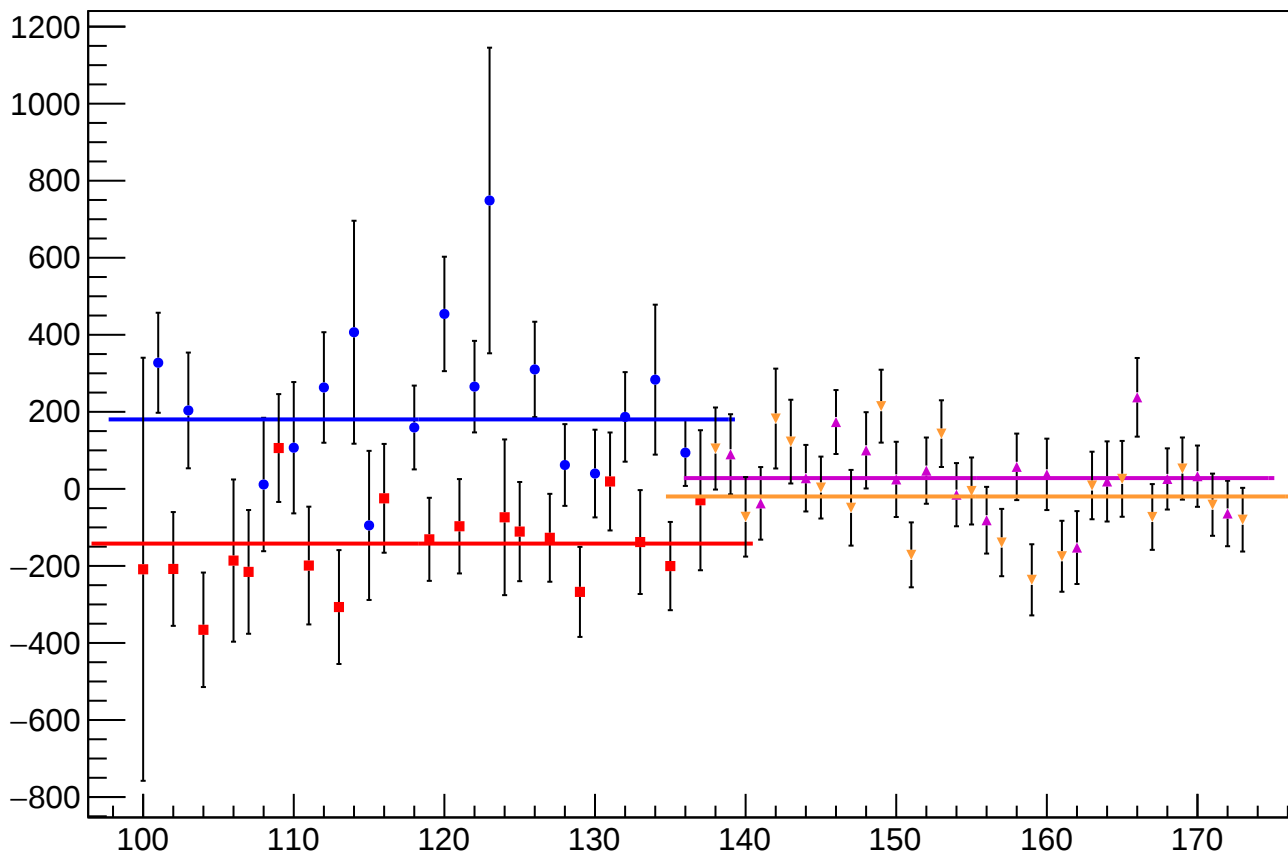
Left In: 316.286 $\pm$ 0.063 χ^2 /NDF:963618.4/16

+ sign 339.879 $\pm$ 0.055 χ^2 /NDF: 3287285.0/35

All: 342.509 $\pm$ 0.039 χ^2 /NDF: 6295295.3/71

- sign 345.278 $\pm$ 0.056 χ^2 /NDF: 3003311.7/35

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: -19.729 $\pm$ 20.885 χ^2 /NDF:31.2/18

Right Out: -142.040 $\pm$ 32.338 χ^2 /NDF: 11.7/18

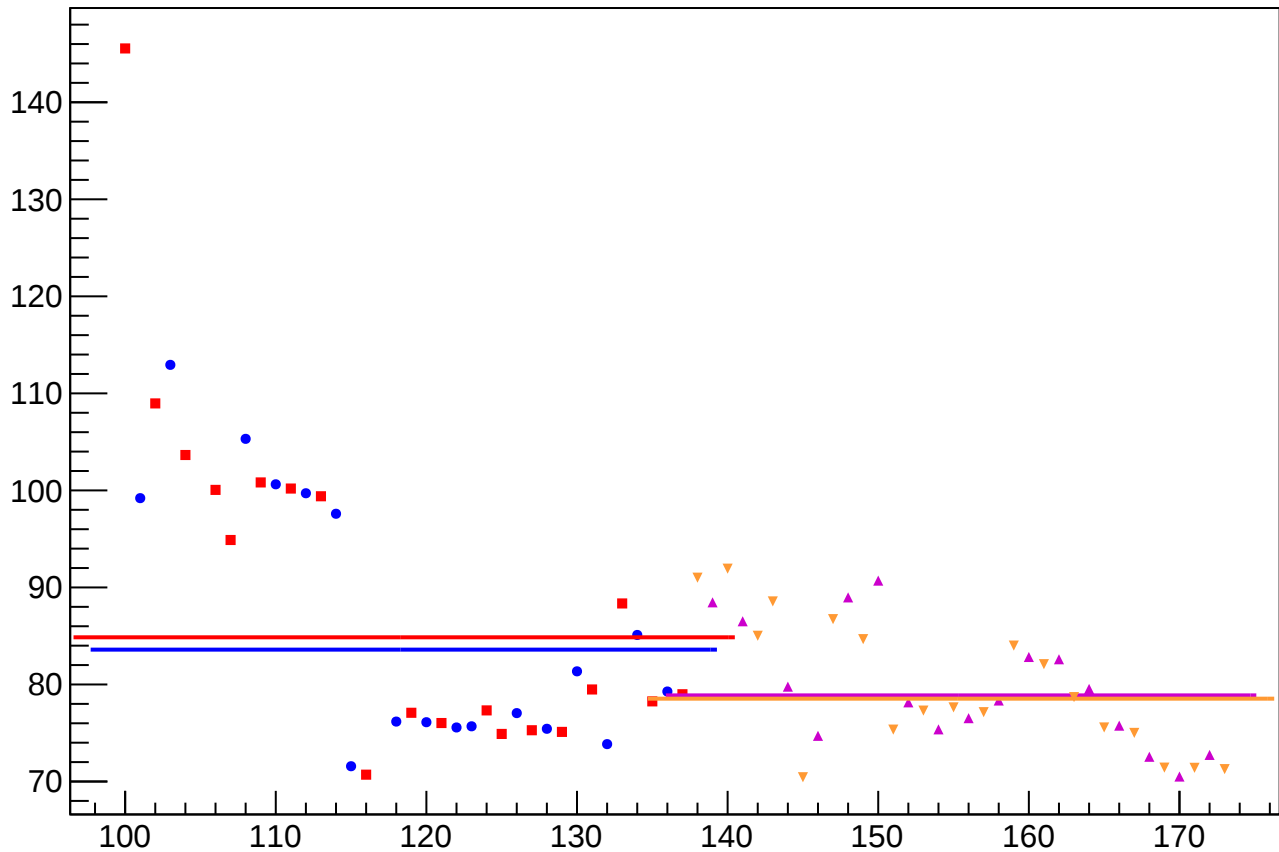
Left In: 27.988 $\pm$ 21.751 χ^2 /NDF:15.5/16

+ sign 38.060 $\pm$ 17.612 χ^2 /NDF: 74.3/35

All: 7.314 $\pm$ 12.605 χ^2 /NDF: 126.8/71

- sign -24.975 $\pm$ 18.048 χ^2 /NDF: 46.2/35

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 78.537 $\pm$ 0.015 χ^2 /NDF:191480.8/18

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

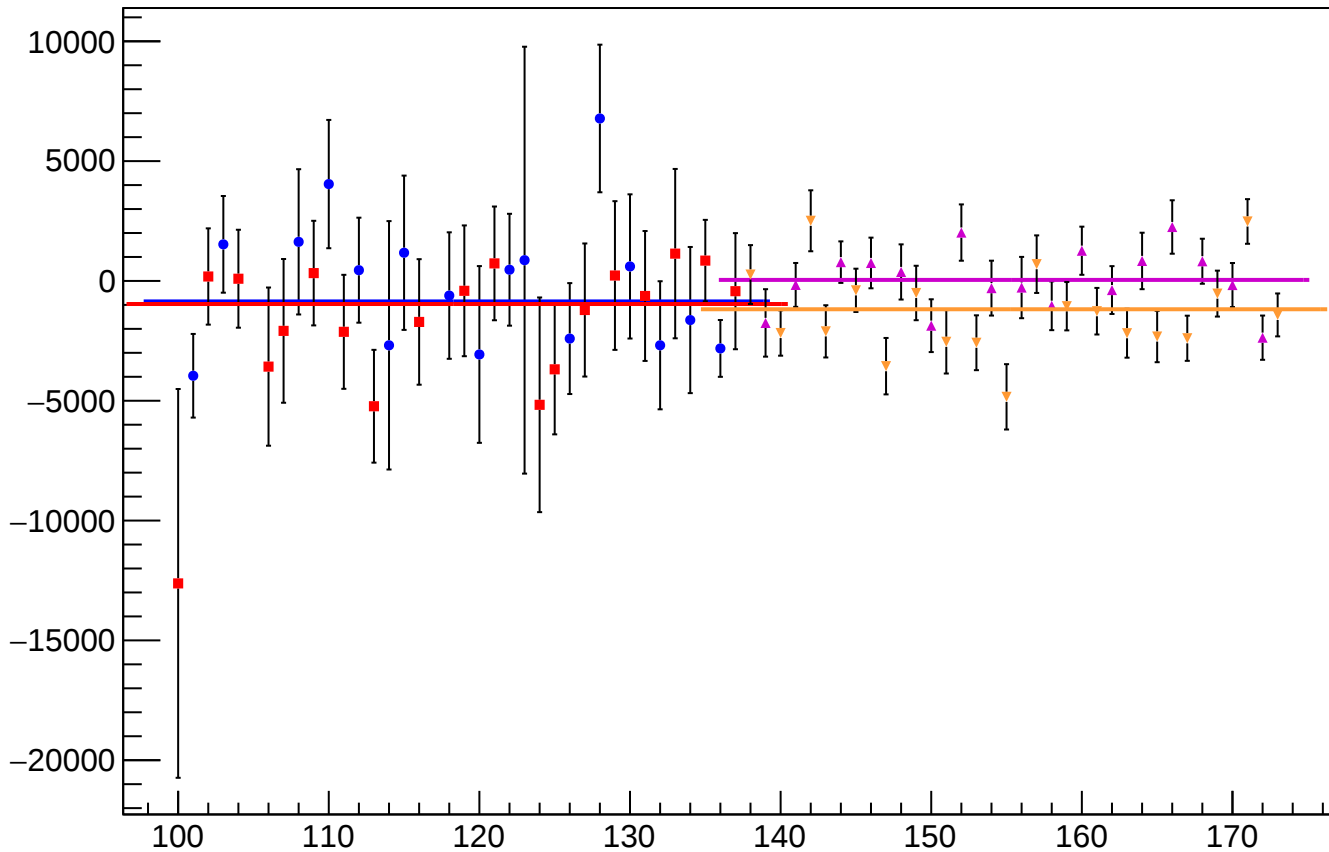
Left In: 78.875 $\pm$ 0.015 χ^2 /NDF:144756.7/16

+ sign 79.997 $\pm$ 0.012 χ^2 /NDF: 481229.8/35

All: 80.359 $\pm$ 0.009 χ^2 /NDF: 965506.8/71

- sign 80.740 $\pm$ 0.013 χ^2 /NDF: 482540.5/35

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 ± 583.290 χ^2/NDF : 20.3/16

Left Out: -1181.939 ± 242.439 χ^2/NDF : 48.8/18

Right Out: -962.932 ± 589.071 χ^2/NDF : 11.5/18

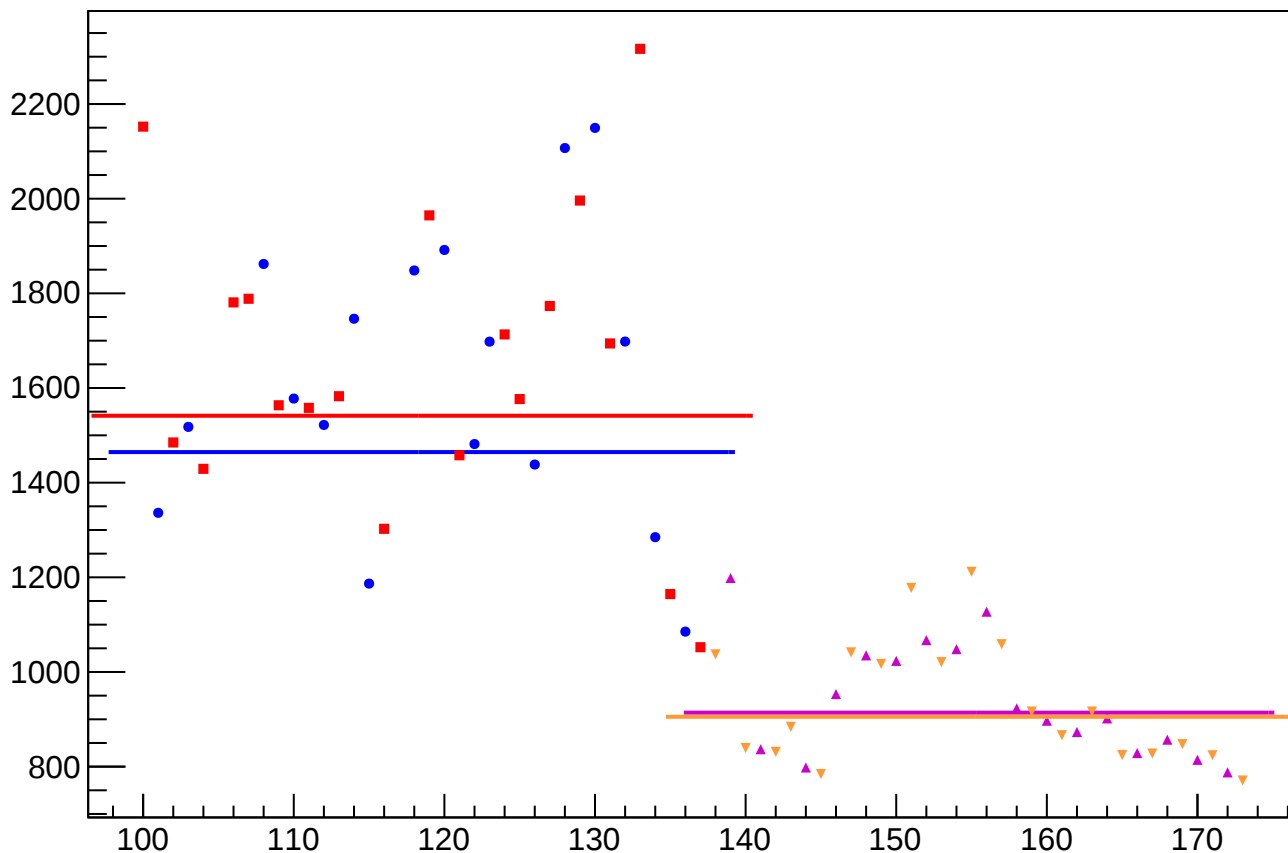
Left In: 42.966 ± 253.376 χ^2/NDF : 23.6/16

+ sign -1133.824 ± 223.871 χ^2/NDF : 69.3/35

All: -643.789 ± 161.351 χ^2/NDF : 116.9/71

- sign -114.080 ± 232.758 χ^2/NDF : 37.6/35

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 905.310 $\pm$ 0.171 χ^2 /NDF: 457156.4/18

Right Out: 1541.388 $\pm$ 0.417 χ^2 /NDF: 453710.5/18

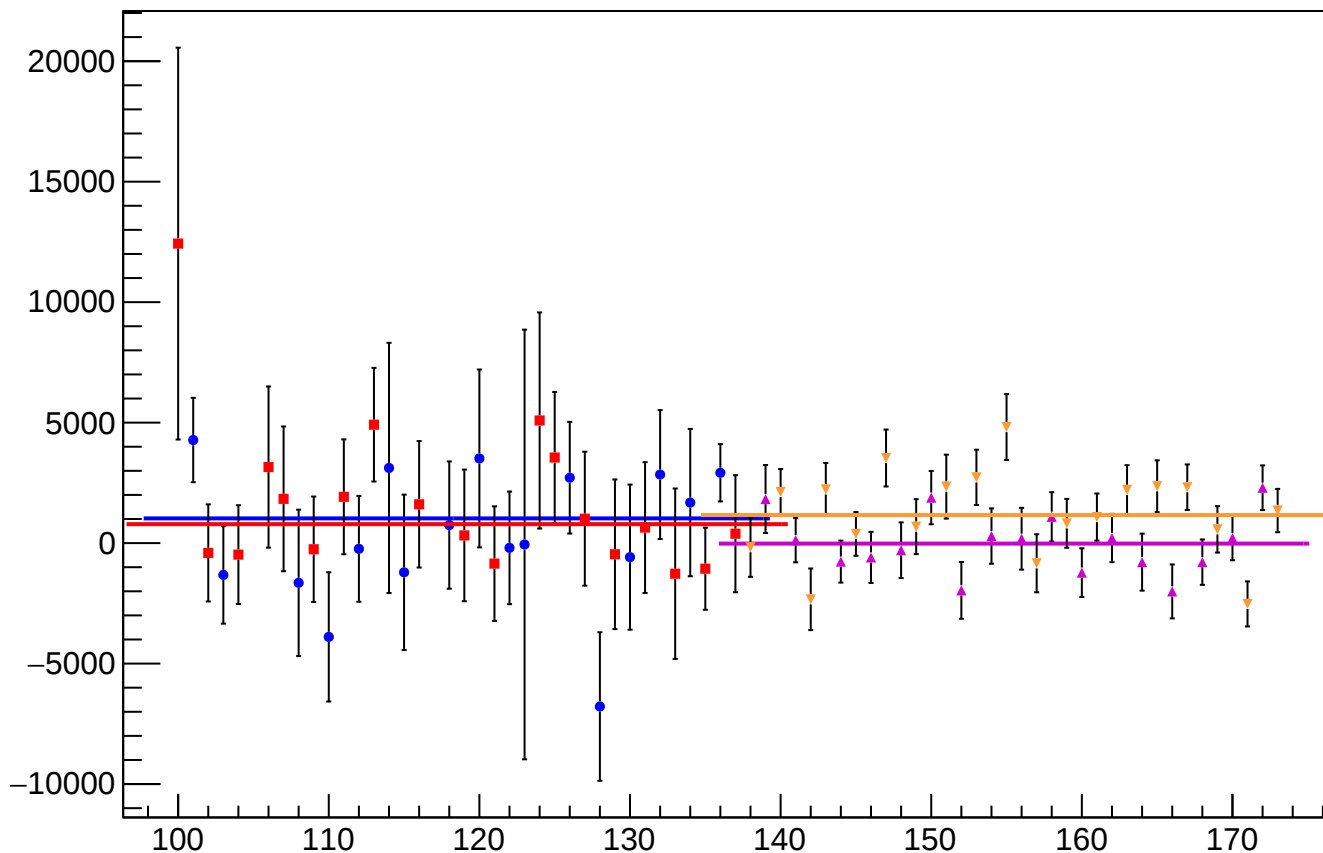
Left In: 914.076 $\pm$ 0.179 χ^2 /NDF: 377681.0/16

+ sign 987.703 $\pm$ 0.158 χ^2 /NDF: 2586152.1/35

All: 999.386 $\pm$ 0.114 χ^2 /NDF: 5342871.3/71

- sign 1012.015 $\pm$ 0.165 χ^2 /NDF: 2745384.5/35

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 ± 584.500 χ^2/NDF : 20.9/16

Left Out: 1164.929 ± 243.417 χ^2/NDF : 48.0/18

Right Out: 787.007 ± 590.388 χ^2/NDF : 11.2/18

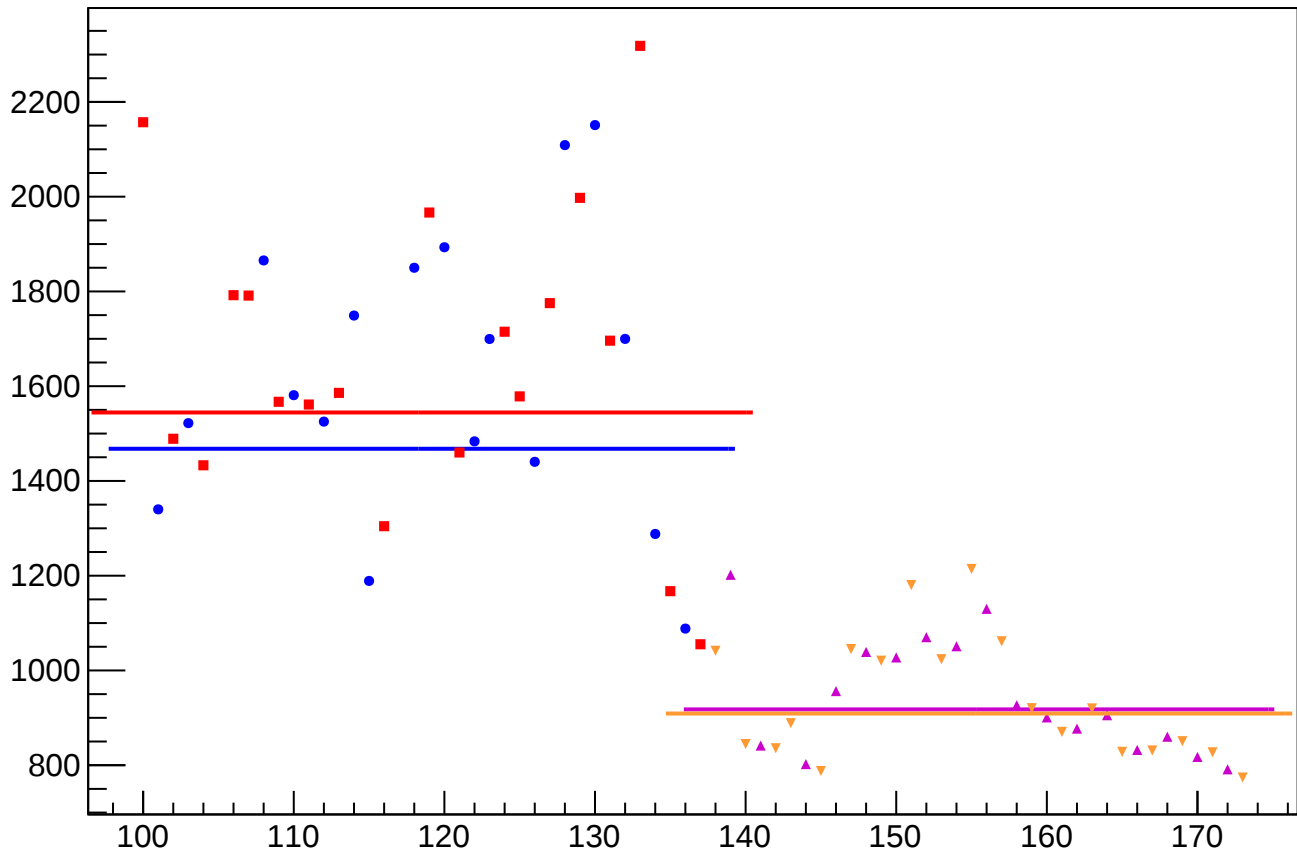
Left In: -20.065 ± 254.379 χ^2/NDF : 21.8/16

+ sign 1144.325 ± 224.710 χ^2/NDF : 68.9/35

All: 645.479 ± 161.951 χ^2/NDF : 113.8/71

- sign 106.305 ± 233.616 χ^2/NDF : 34.6/35

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905 $\pm$ 0.413 χ^2 /NDF: 557458.9/16

Left Out: 909.073 $\pm$ 0.172 χ^2 /NDF: 452687.4/18

Right Out: 1544.513 $\pm$ 0.417 χ^2 /NDF: 451805.9/18

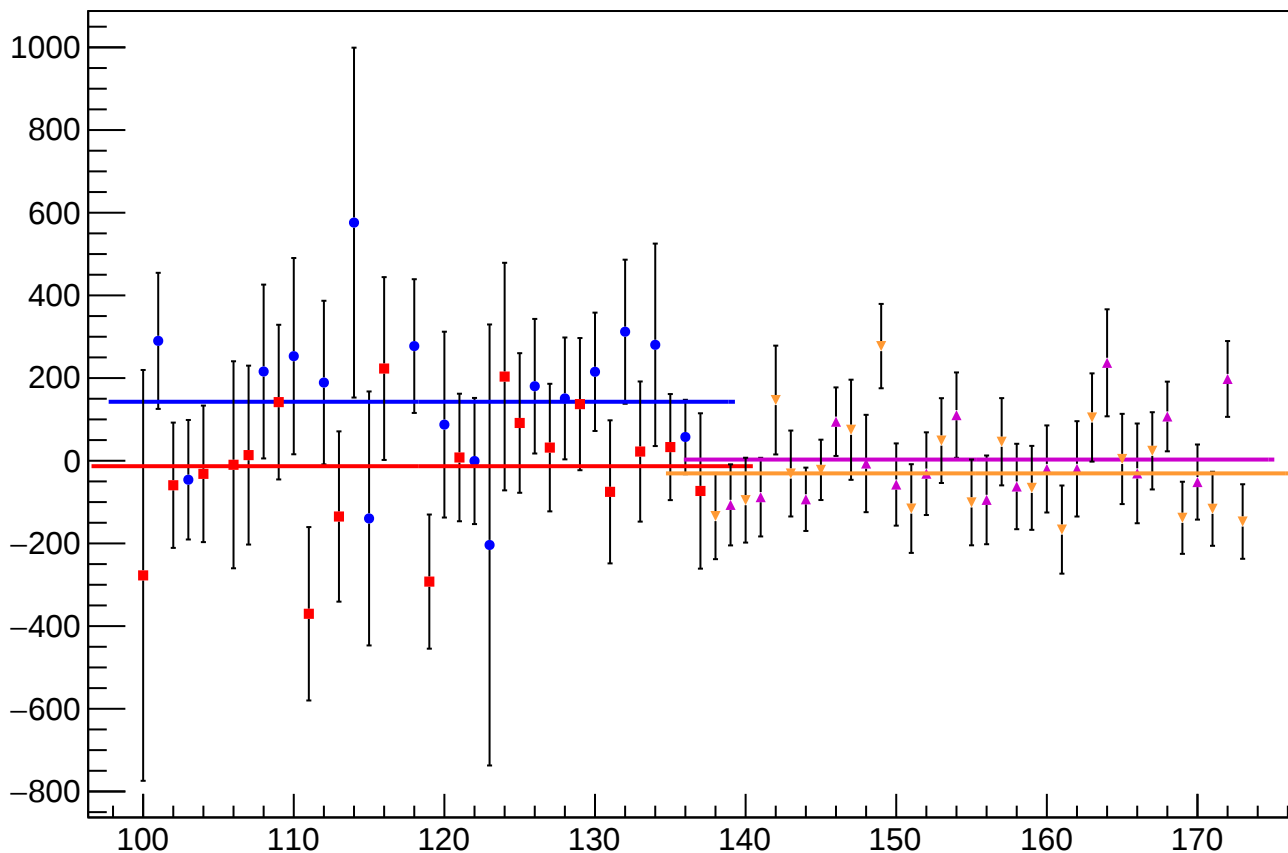
Left In: 917.789 $\pm$ 0.180 χ^2 /NDF: 373712.9/16

+ sign 991.669 $\pm$ 0.159 χ^2 /NDF: 2568137.7/35

All: 1003.324 $\pm$ 0.115 χ^2 /NDF: 5305725.7/71

- sign 1015.920 $\pm$ 0.165 χ^2 /NDF: 2726393.2/35

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 ± 41.625 χ^2/NDF : 9.3/16

Left Out: -30.552 ± 22.916 χ^2/NDF : 23.2/18

Right Out: -13.177 ± 41.396 χ^2/NDF : 10.8/18

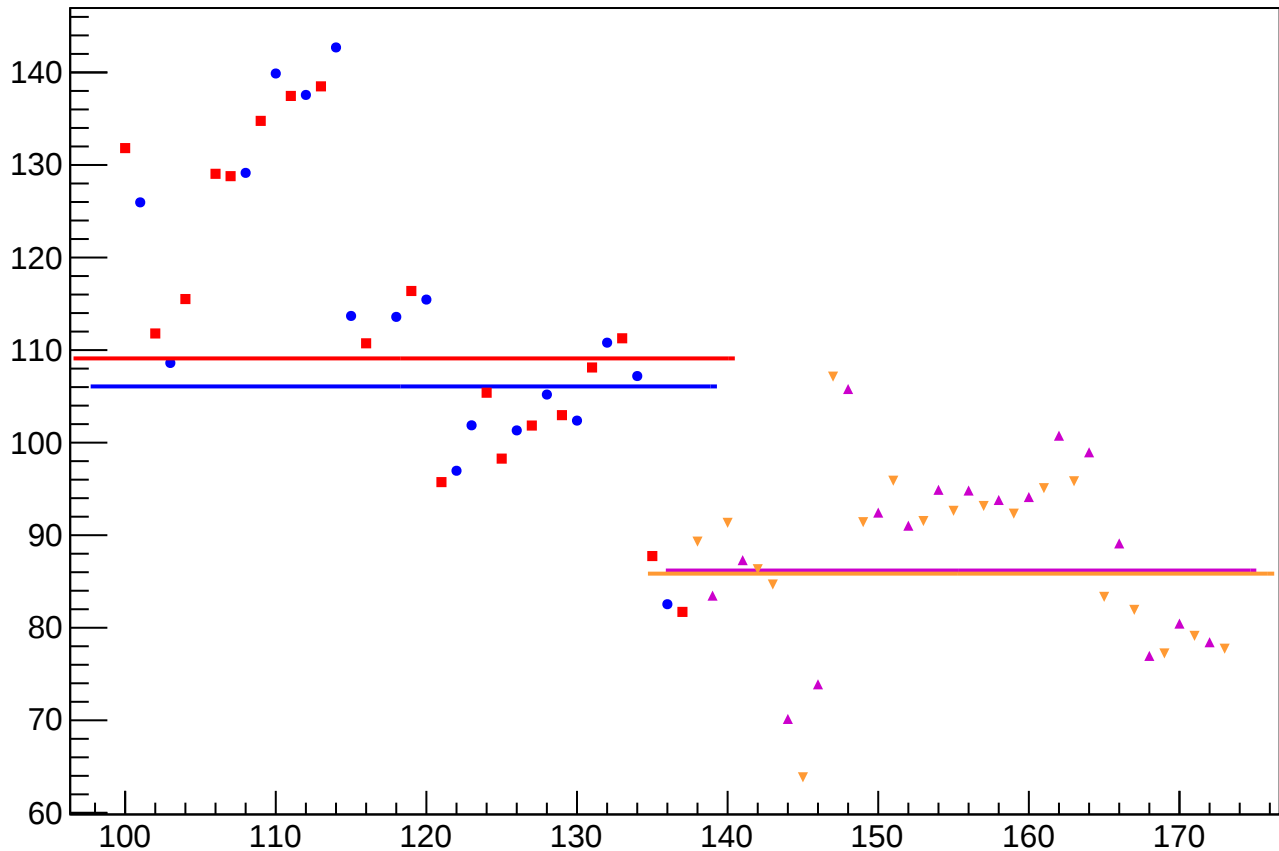
Left In: 2.880 ± 23.888 χ^2/NDF : 17.6/16

+ sign 9.742 ± 20.075 χ^2/NDF : 45.8/35

All: 4.469 ± 14.408 χ^2/NDF : 74.5/71

- sign -1.131 ± 20.690 χ^2/NDF : 28.5/35

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 85.846 $\pm$ 0.016 χ^2 /NDF:391760.2/18

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

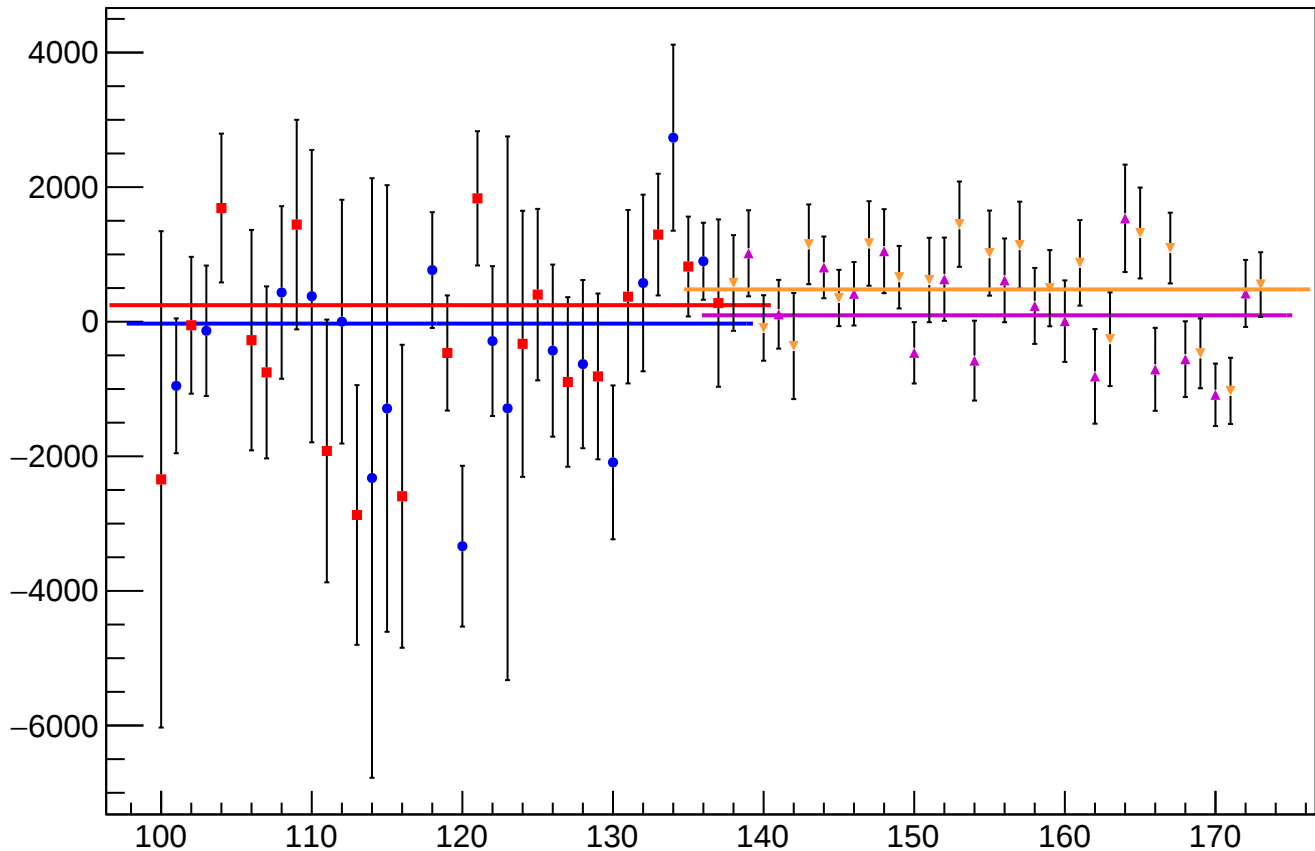
Left In: 86.182 $\pm$ 0.017 χ^2 /NDF:349725.1/16

+ sign 90.551 $\pm$ 0.014 χ^2 /NDF: 1072096.1/35

All: 91.209 $\pm$ 0.010 χ^2 /NDF: 2171532.6/71

- sign 91.907 $\pm$ 0.015 χ^2 /NDF: 1095010.0/35

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 480.520 ± 130.092 χ^2/NDF : 26.6/18

Right Out: 246.386 ± 279.451 χ^2/NDF : 15.9/18

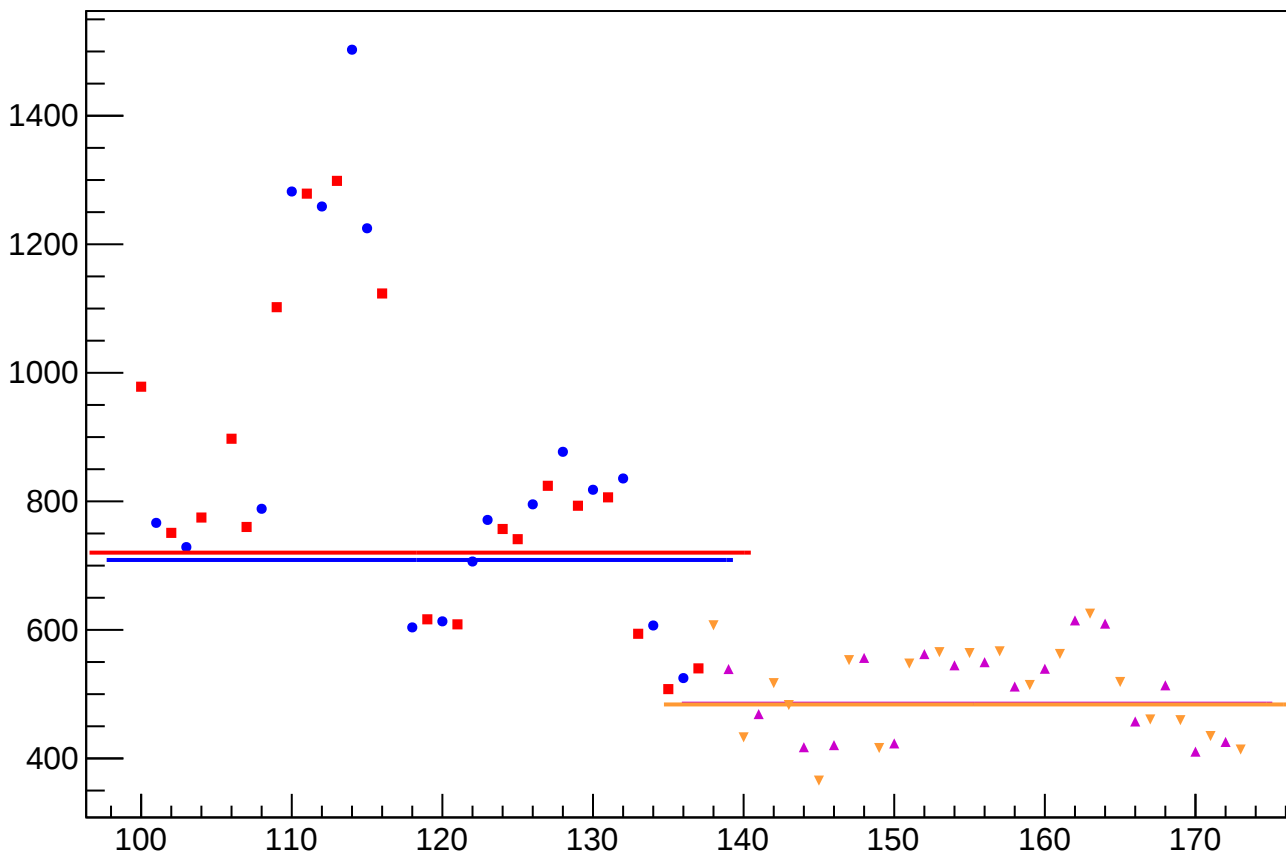
Left In: 95.601 ± 134.997 χ^2/NDF : 26.5/16

+ sign 392.196 ± 118.255 χ^2/NDF : 49.7/35

All: 261.853 ± 84.762 χ^2/NDF : 94.8/71

- sign 124.131 ± 121.556 χ^2/NDF : 42.6/35

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 483.974 $\pm$ 0.092 χ^2 /NDF: 625832.3/18

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

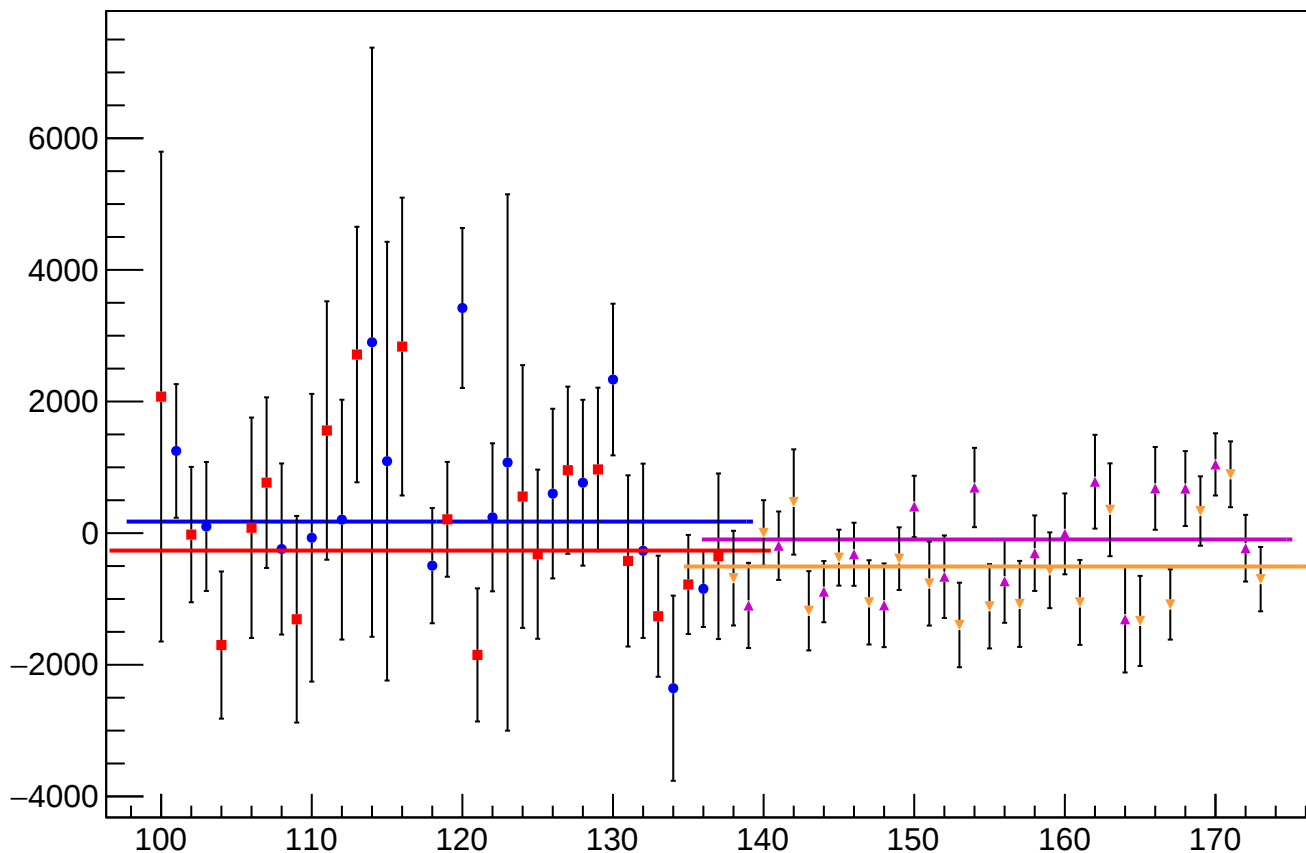
Left In: 485.205 $\pm$ 0.095 χ^2 /NDF: 459791.7/16

+ sign 523.023 $\pm$ 0.084 χ^2 /NDF: 2456793.4/35

All: 526.255 $\pm$ 0.060 χ^2 /NDF: 4966281.6/71

- sign 529.669 $\pm$ 0.086 χ^2 /NDF: 2506416.8/35

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -506.291 $\pm$ 132.232 χ^2 /NDF:23.9/18

Right Out: -264.622 $\pm$ 283.074 χ^2 /NDF: 14.8/18

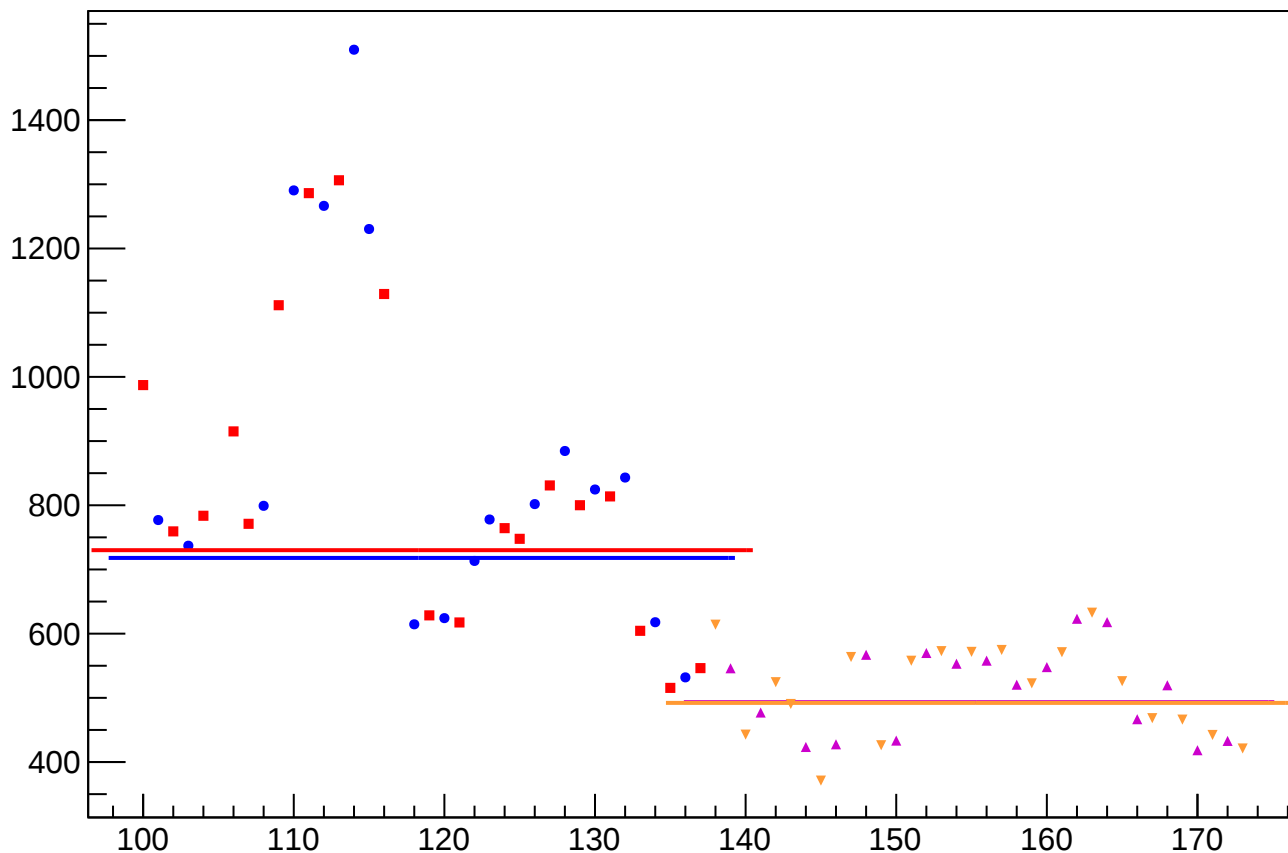
Left In: -96.063 $\pm$ 137.222 χ^2 /NDF:25.9/16

+ sign -386.991 $\pm$ 120.114 χ^2 /NDF: 48.3/35

All: -261.138 $\pm$ 86.098 χ^2 /NDF: 91.5/71

- sign -128.136 $\pm$ 123.478 χ^2 /NDF: 41.0/35

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 492.155 $\pm$ 0.094 χ^2 /NDF: 612260.8/18

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

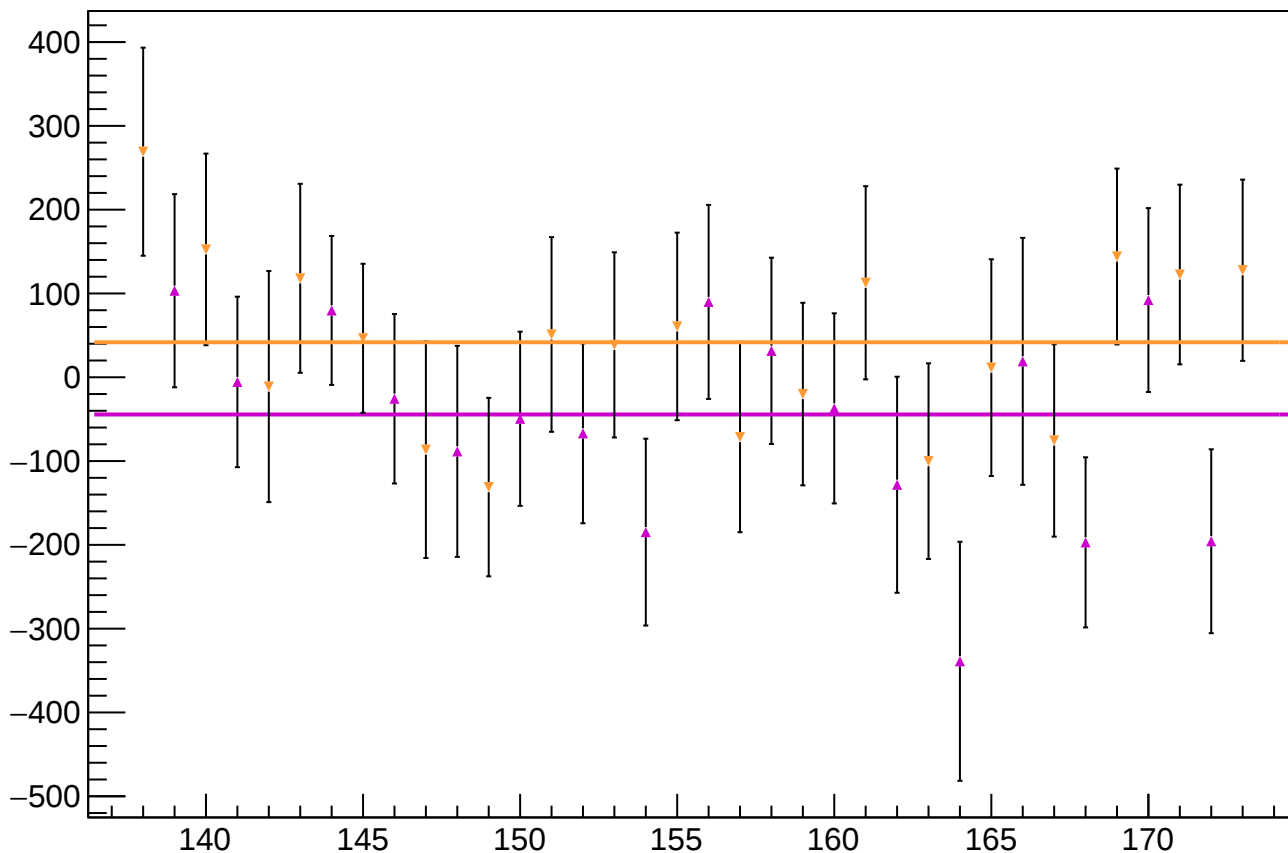
Left In: 493.369 $\pm$ 0.097 χ^2 /NDF: 448993.6/16

+ sign 531.648 $\pm$ 0.085 χ^2 /NDF: 2410921.7/35

All: 534.932 $\pm$ 0.061 χ^2 /NDF: 4876857.1/71

- sign 538.402 $\pm$ 0.087 χ^2 /NDF: 2462861.3/35

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 41.785+/-25.885 χ^2/NDF :15.0/18

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

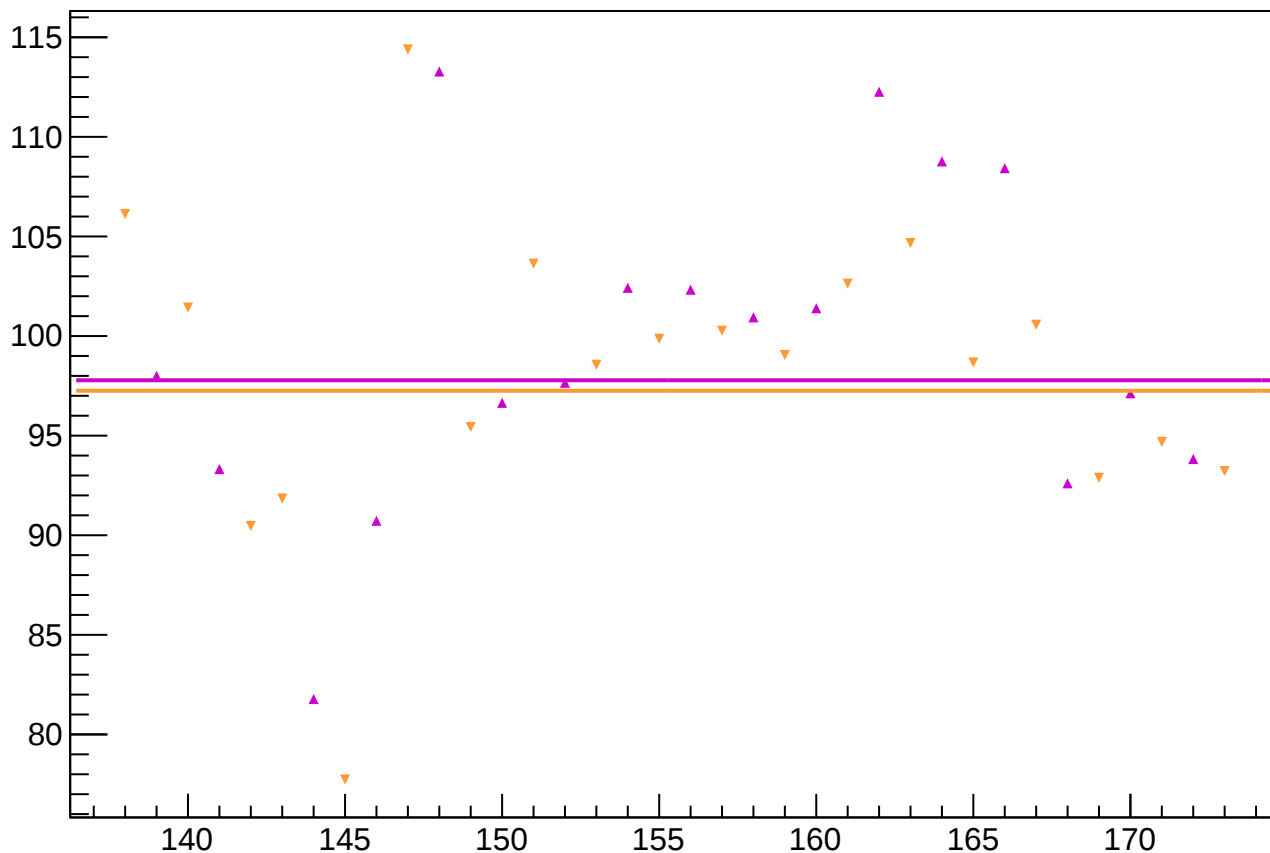
Left In: -44.402+/-27.007 χ^2/NDF :17.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.520+/-18.687 χ^2/NDF : 38.2/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_rms vs Slug



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

Left Out: 97.255+/-0.018 χ^2/NDF :185495.0/18

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

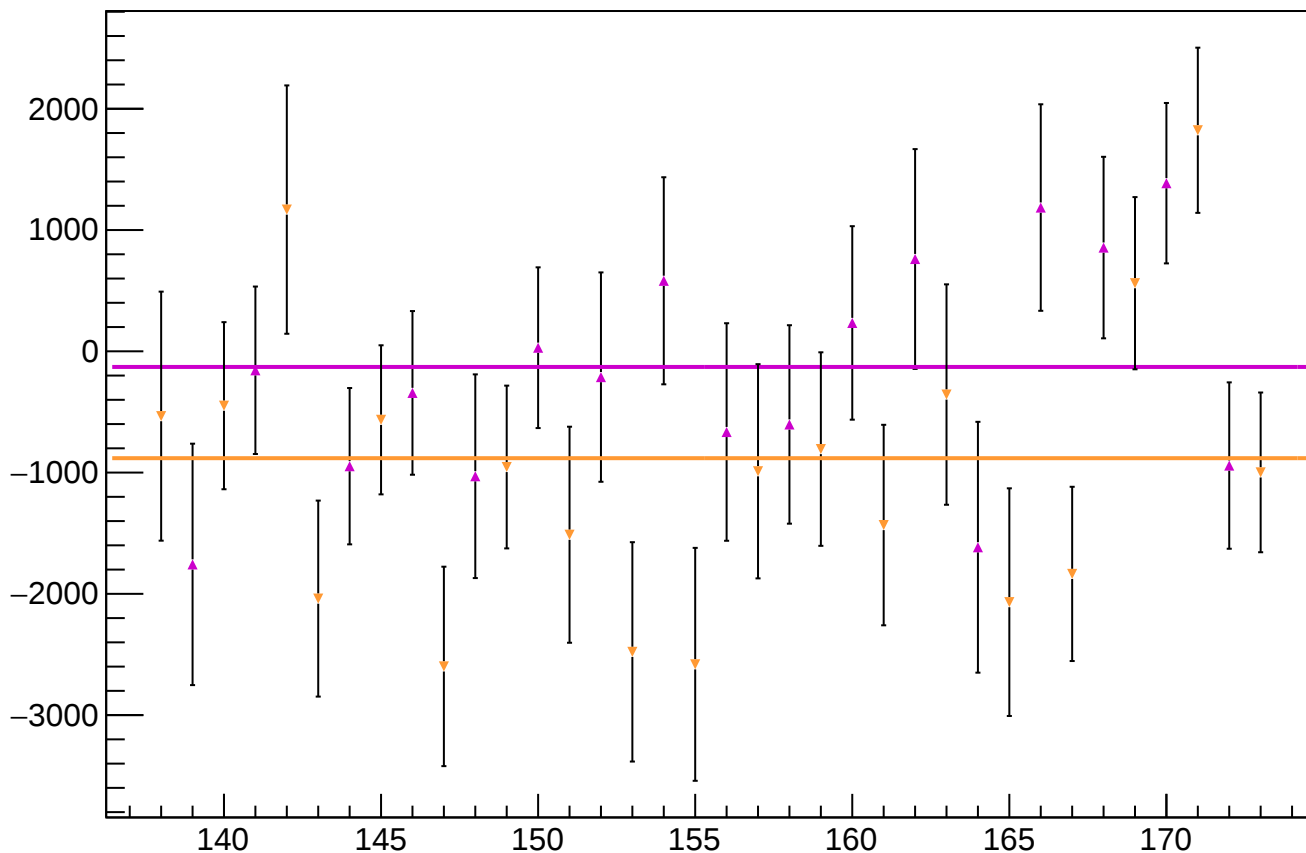
Left In: 97.780+/-0.019 χ^2/NDF :174568.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 97.506+/-0.013 χ^2/NDF : 360458.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -881.330+/-181.084 χ^2/NDF : 42.0/18

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

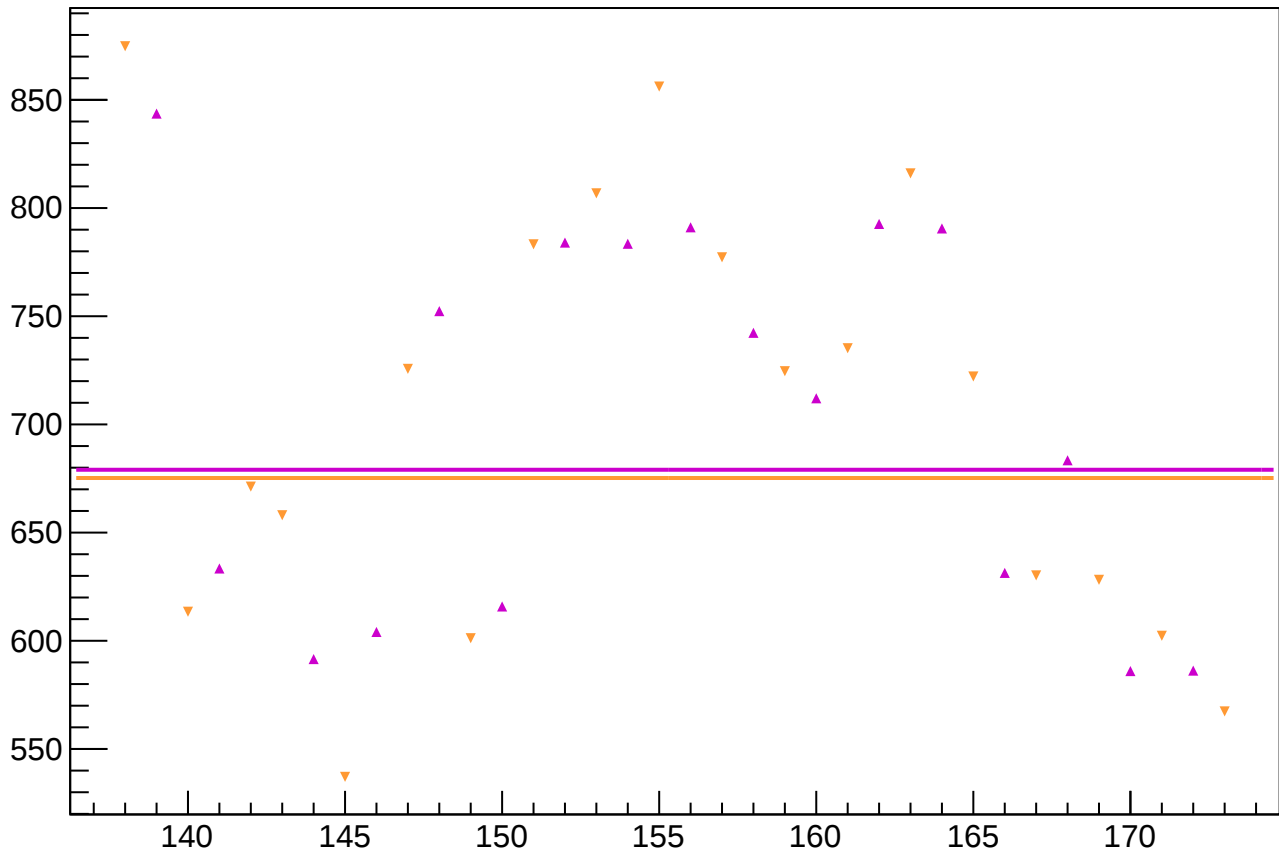
Left In: -128.922+/-188.466 χ^2/NDF : 21.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -520.151+/-130.577 χ^2/NDF : 71.3/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 675.234+/-0.128 χ^2/NDF : 559192.7/18

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

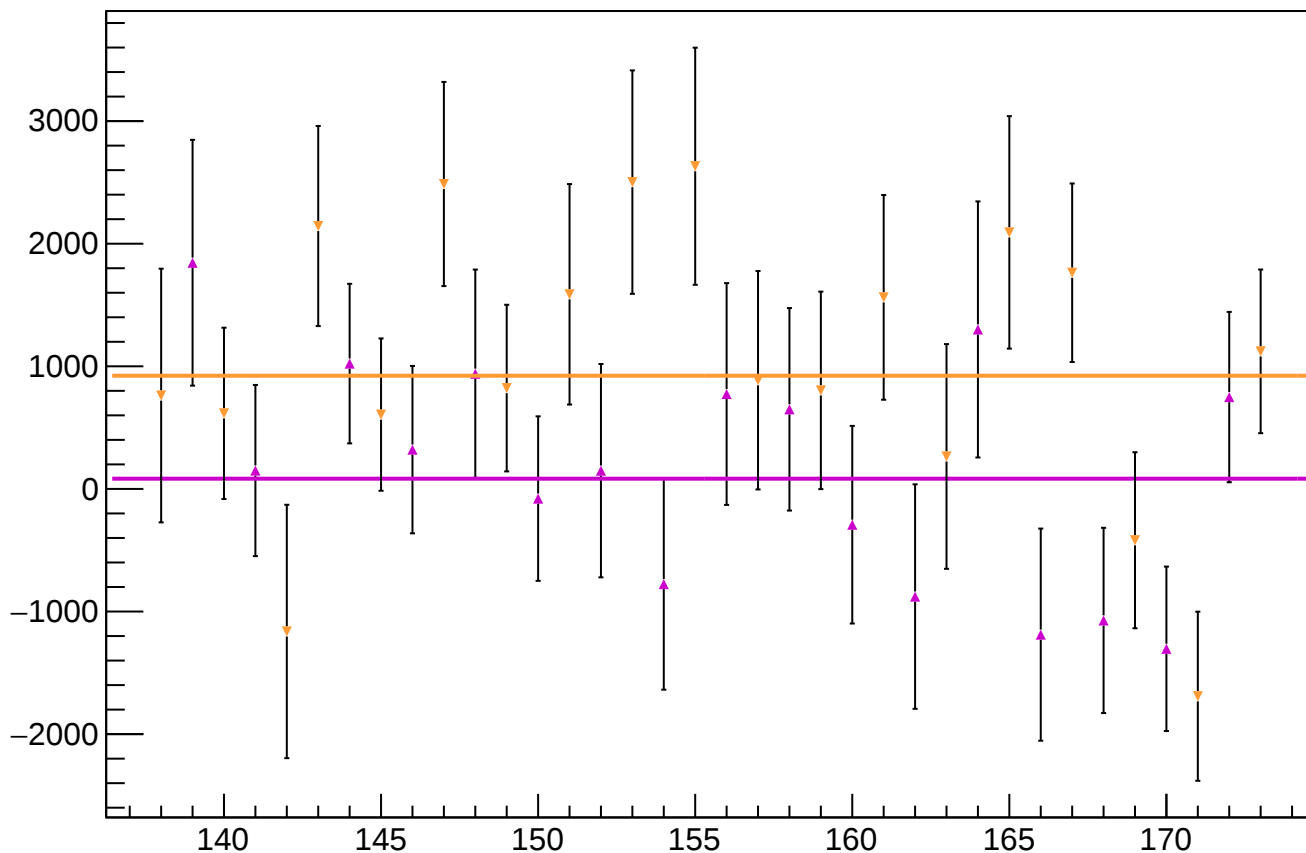
Left In: 679.044+/-0.133 χ^2/NDF : 401746.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 677.063+/-0.092 χ^2/NDF : 961364.6/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_mean vs Slug



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

Left Out: 923.248 $\pm$ 183.045 χ^2 /NDF:38.9/18

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

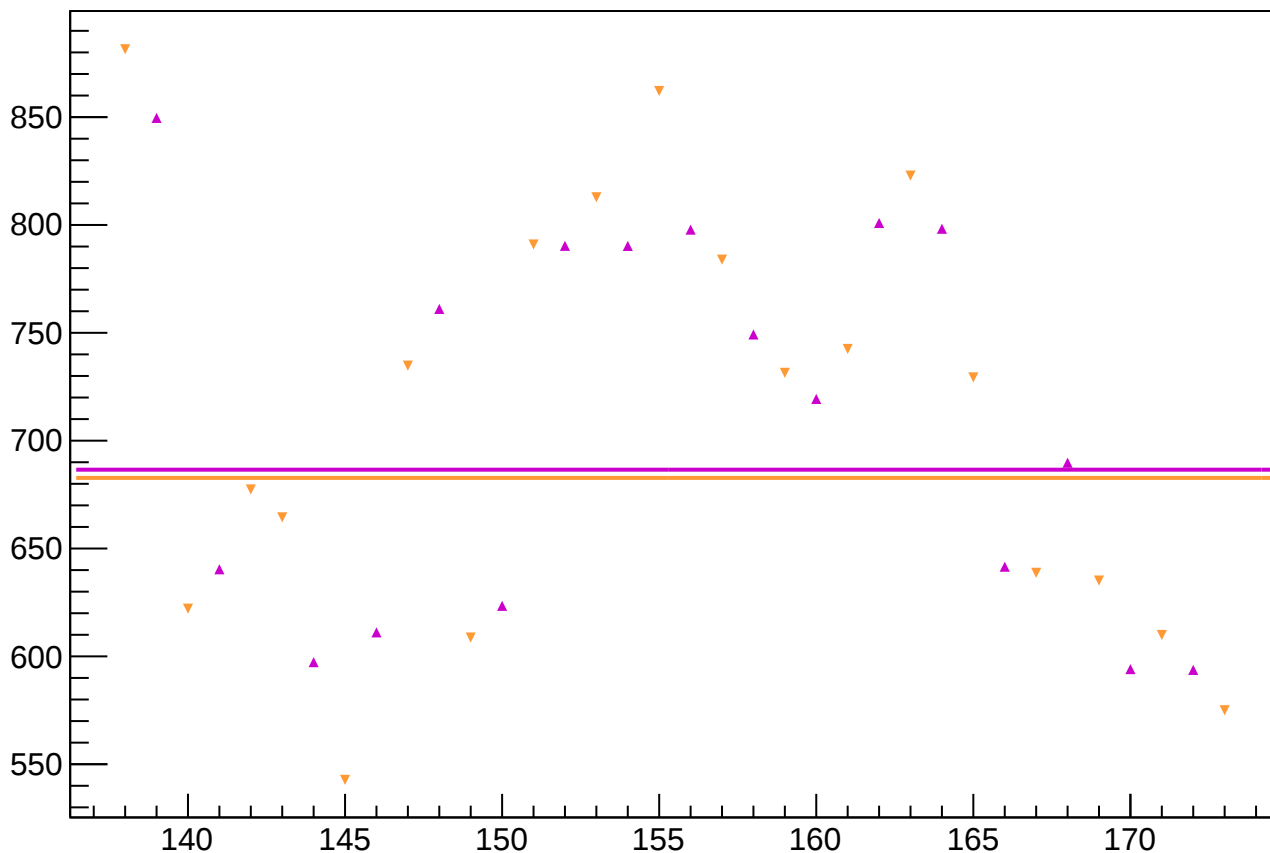
Left In: 83.471 $\pm$ 190.505 χ^2 /NDF:20.8/16

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

All: 520.123 $\pm$ 131.991 χ^2 /NDF: 69.9/35

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

asym_sam_1548_avg_rms vs Slug



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

Left Out: 682.746+/-0.129 χ^2/NDF : 547071.3/18

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

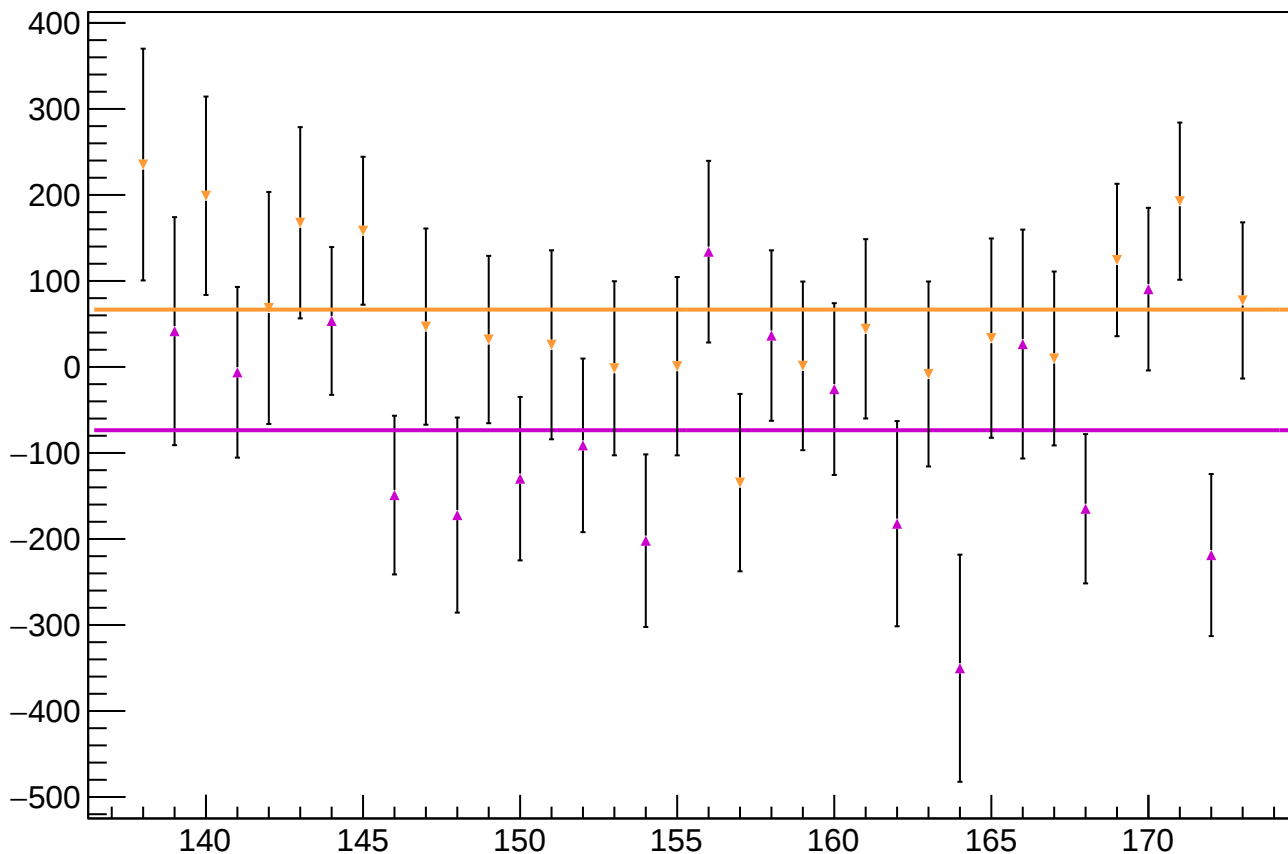
Left In: 686.549+/-0.135 χ^2/NDF : 392659.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 684.572+/-0.093 χ^2/NDF : 940145.2/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 66.688+/-23.738 χ^2/NDF :13.5/18

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

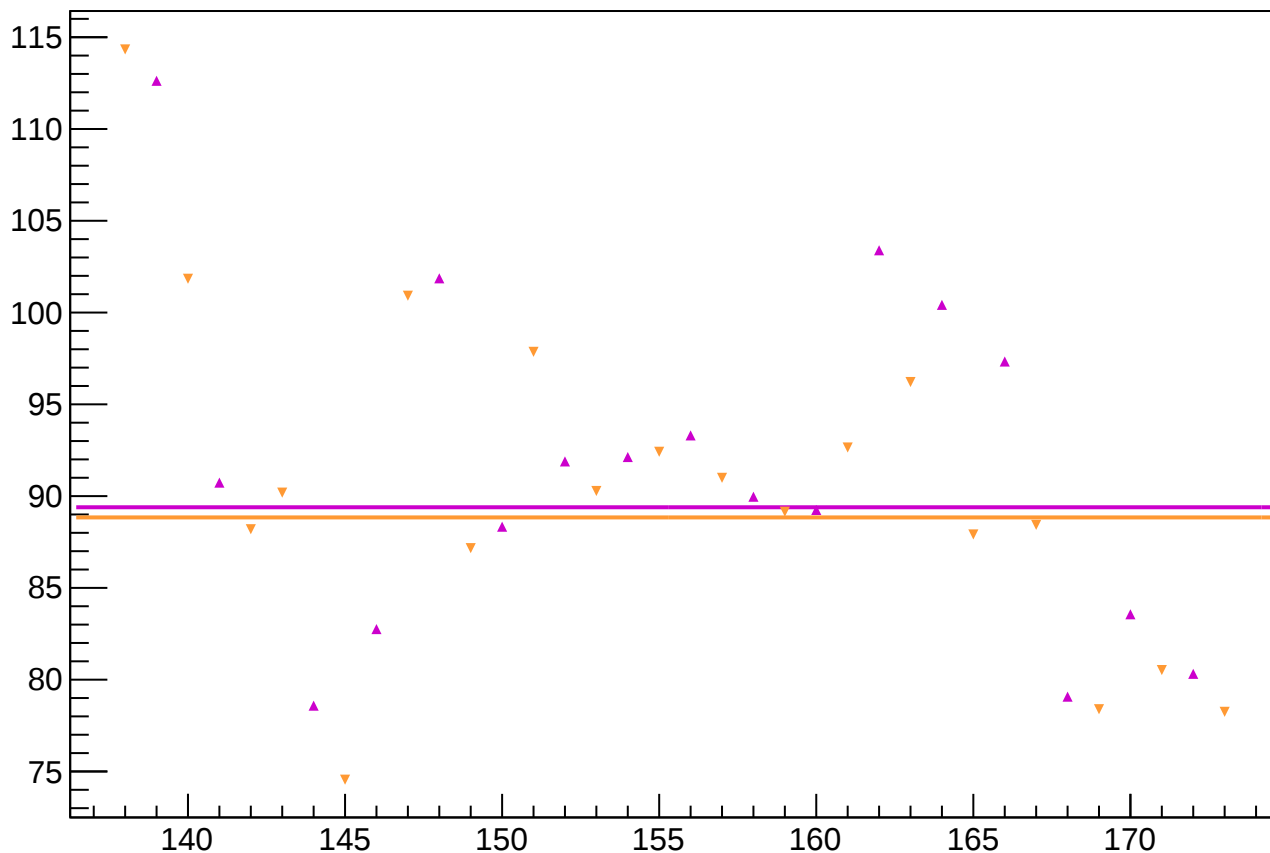
Left In: -73.555+/-24.766 χ^2/NDF :24.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.463+/-17.137 χ^2/NDF : 54.7/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 88.839+/-0.017 χ^2/NDF : 276581.7/18

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

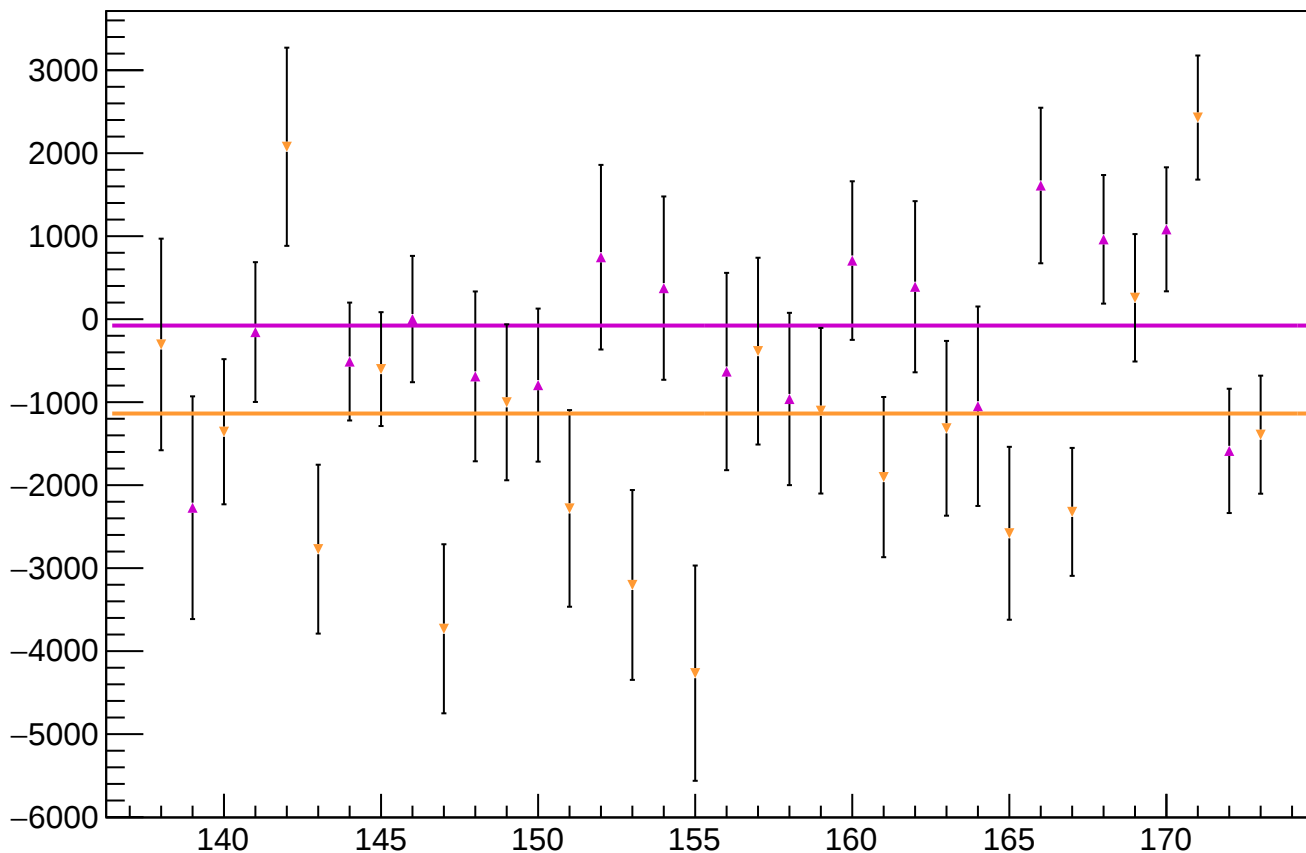
Left In: 89.392+/-0.018 χ^2/NDF : 236797.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 89.104+/-0.012 χ^2/NDF : 513899.0/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1136.894+/-214.577 χ^2/NDF : 59.0/18

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

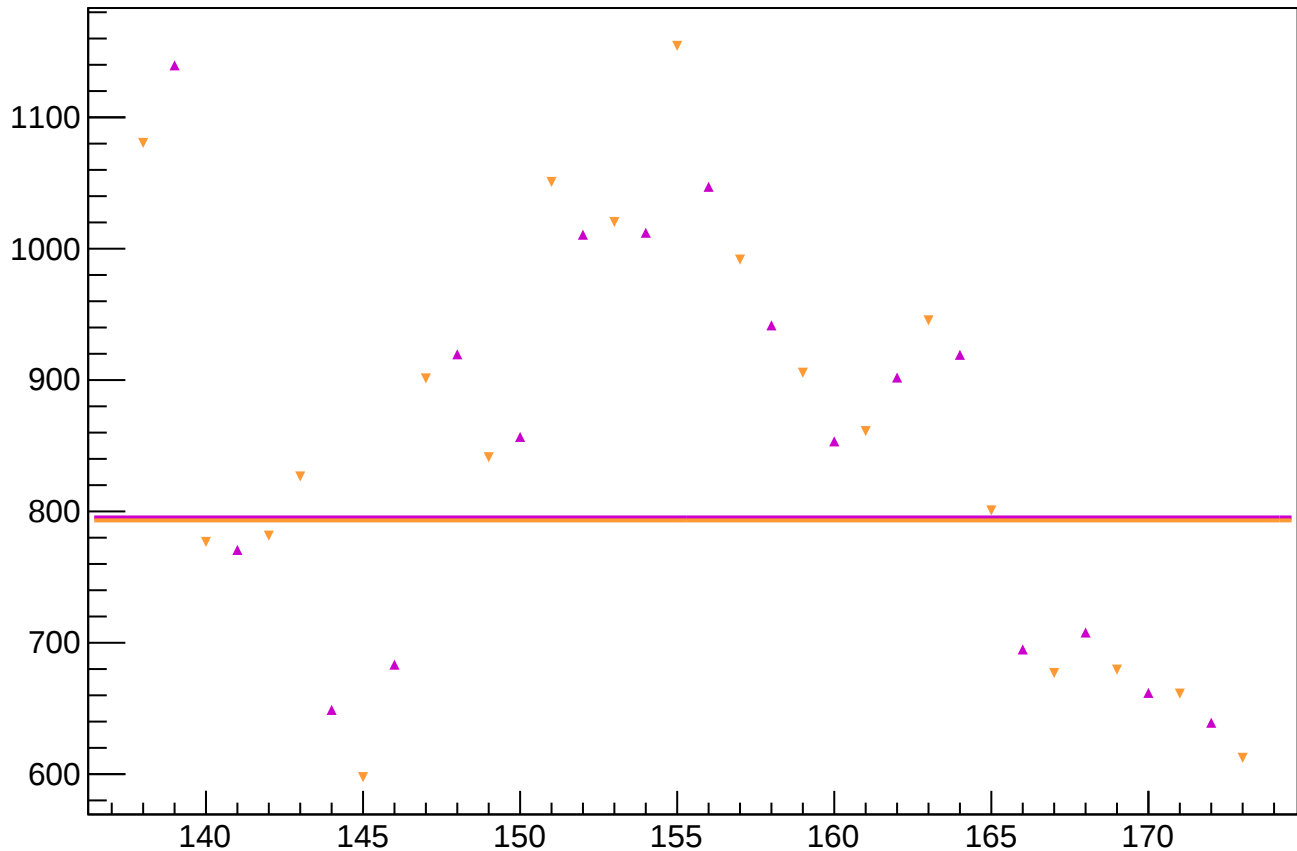
Left In: -76.922+/-222.635 χ^2/NDF : 18.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -626.436+/-154.499 χ^2/NDF : 89.5/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 793.175+/-0.152 χ^2/NDF :1043529.2/18

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

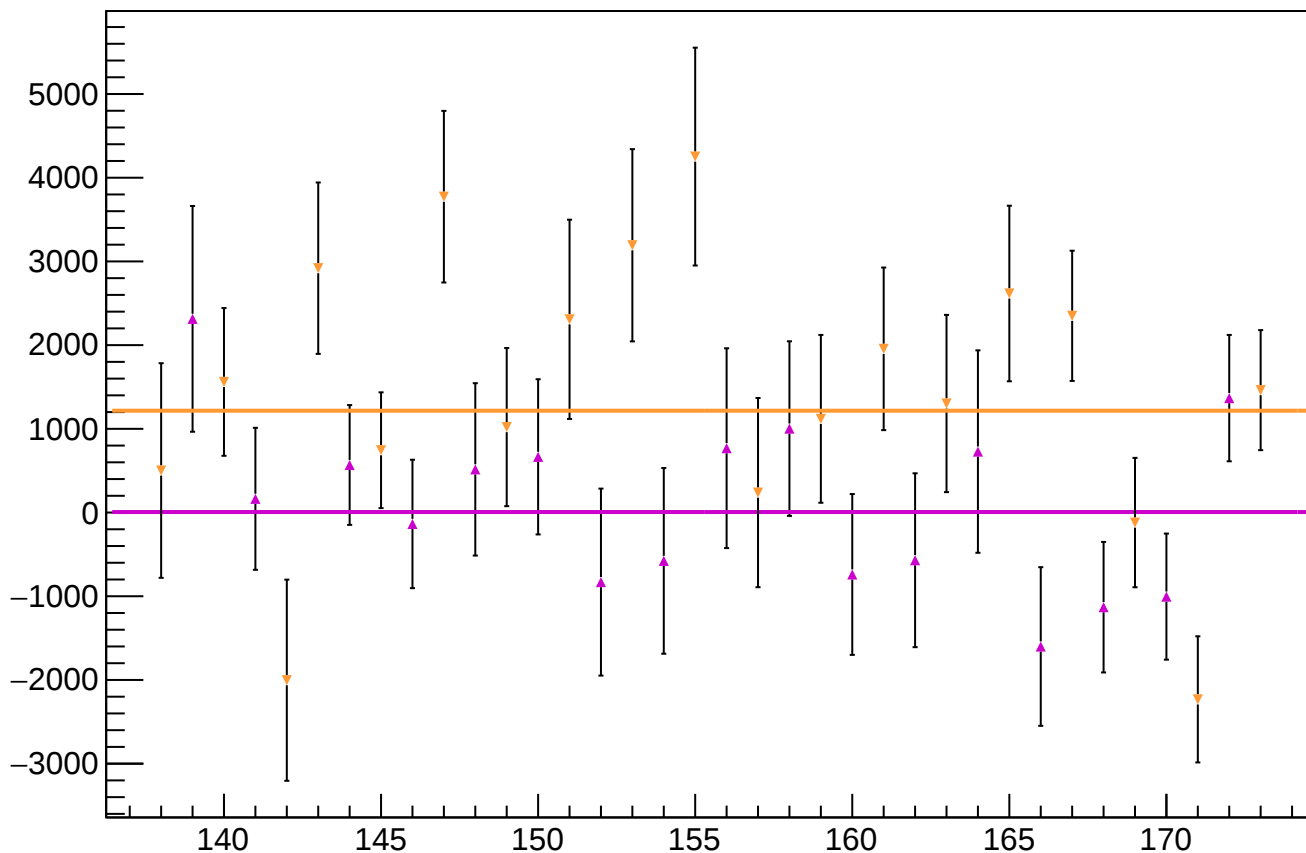
Left In: 795.406+/-0.157 χ^2/NDF :830778.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 794.249+/-0.109 χ^2/NDF : 1874412.0/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_mean vs Slug



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

Left Out: 1216.669 $\pm$ 216.012 χ^2 /NDF:55.7/18

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

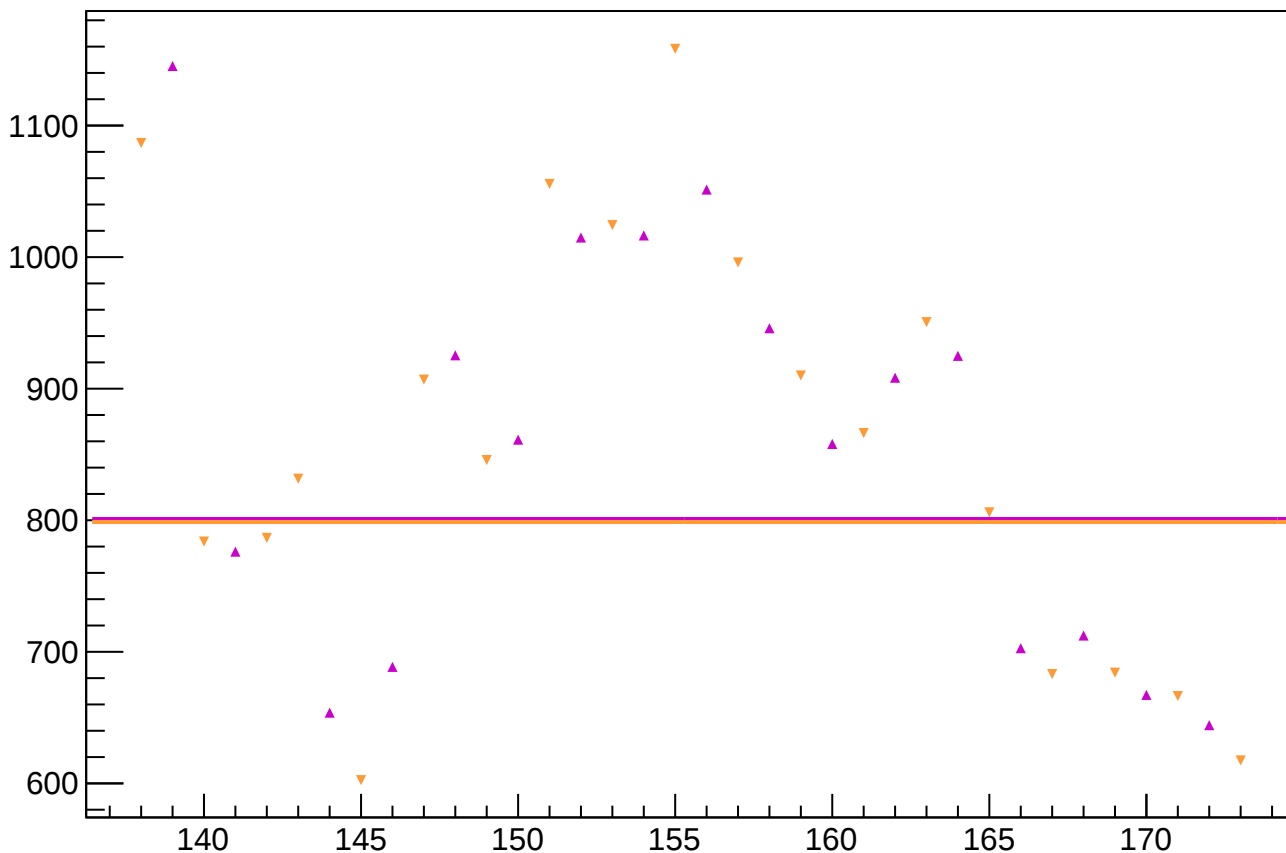
Left In: 6.092 $\pm$ 224.136 χ^2 /NDF:17.8/16

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

All: 633.717 $\pm$ 155.536 χ^2 /NDF: 88.7/35

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

asym_sam_3748_avg_rms vs Slug



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

Left Out: 798.694+/-0.153 χ^2/NDF : 1029368.3/18

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

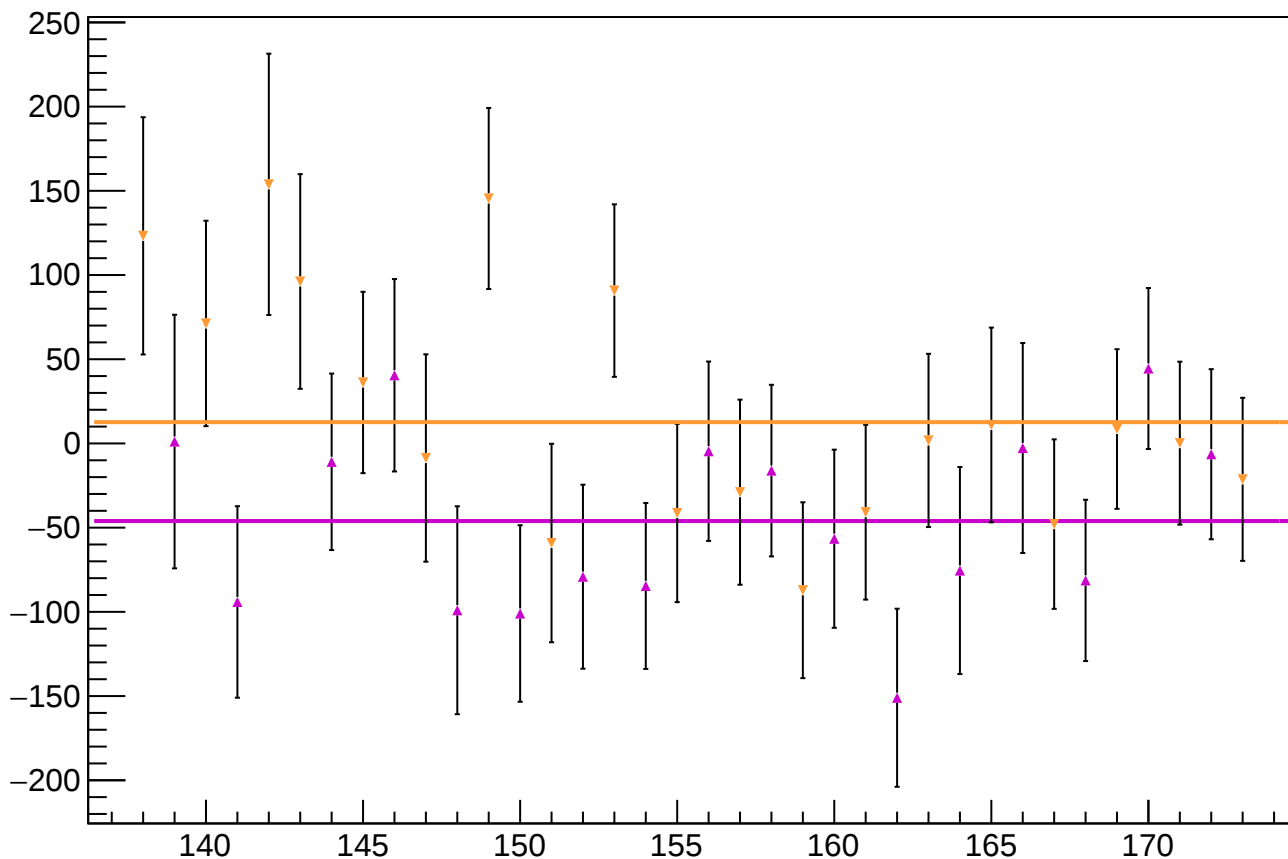
Left In: 800.968+/-0.158 χ^2/NDF : 818870.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 799.789+/-0.110 χ^2/NDF : 1848345.2/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 12.645 $\pm$ 12.594 χ^2 /NDF: 27.0/18

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

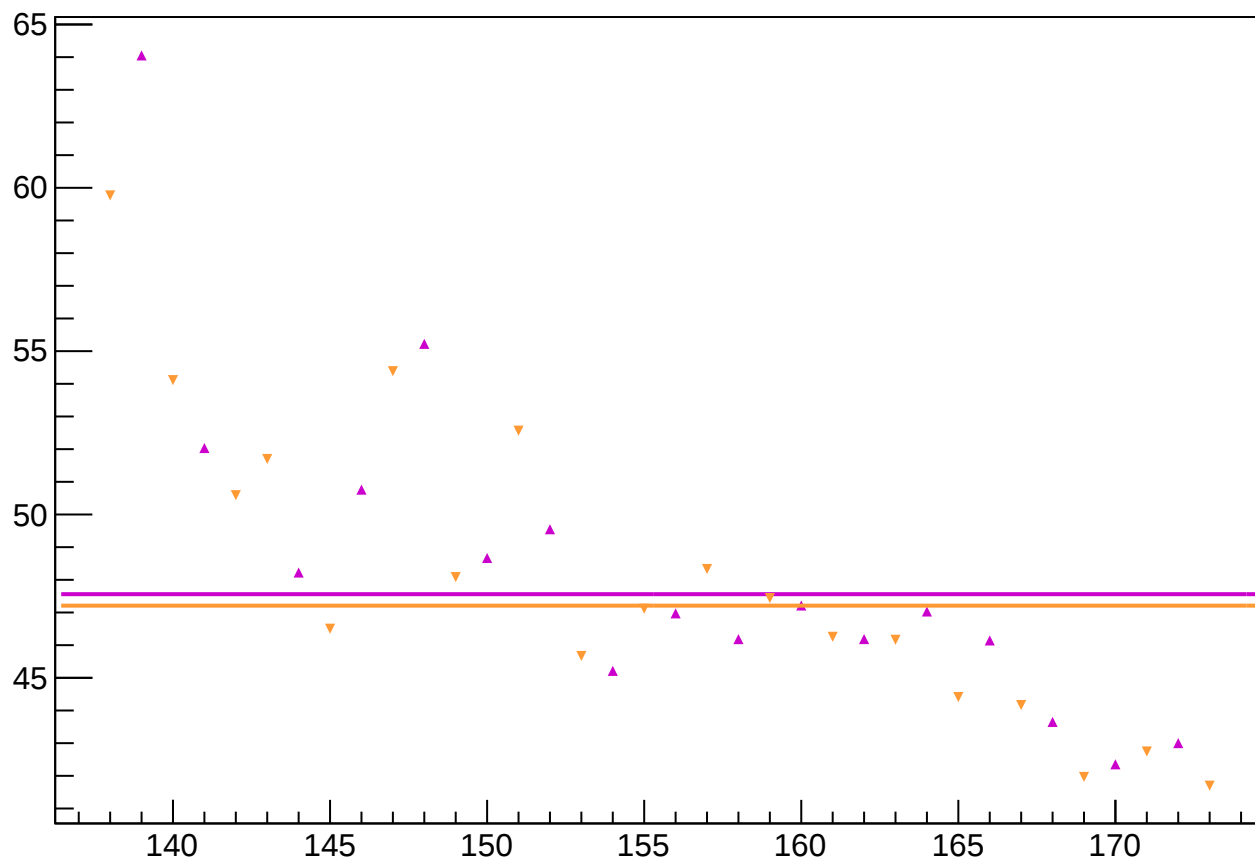
Left In: -46.069 $\pm$ 13.164 χ^2 /NDF: 17.1/16

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

All: -15.413 $\pm$ 9.100 χ^2 /NDF: 54.5/35

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

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 47.210+/-0.009 χ^2/NDF :231115.4/18

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

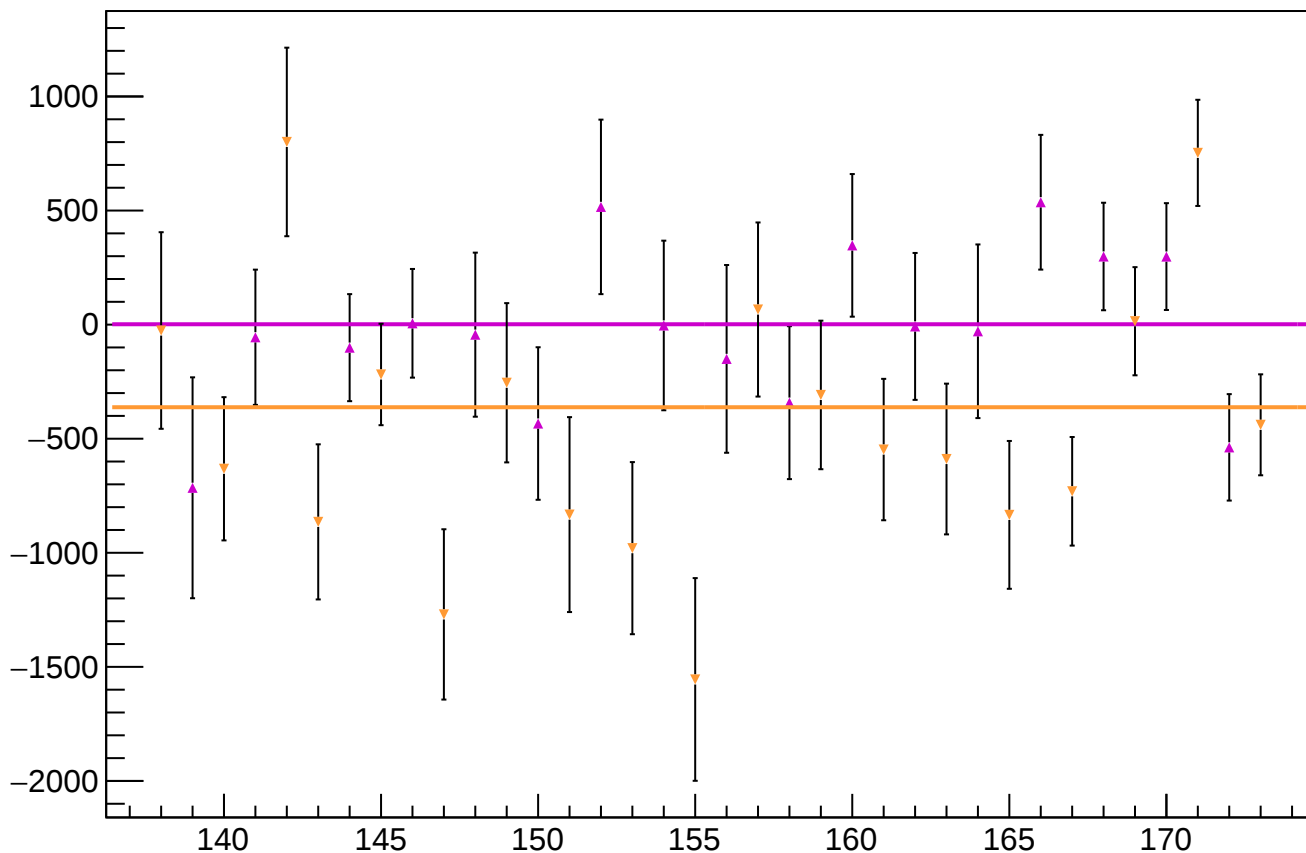
Left In: 47.561+/-0.009 χ^2/NDF :211532.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.378+/-0.006 χ^2/NDF : 443390.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -362.023 $\pm$ 70.184 χ^2 /NDF:61.2/18

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

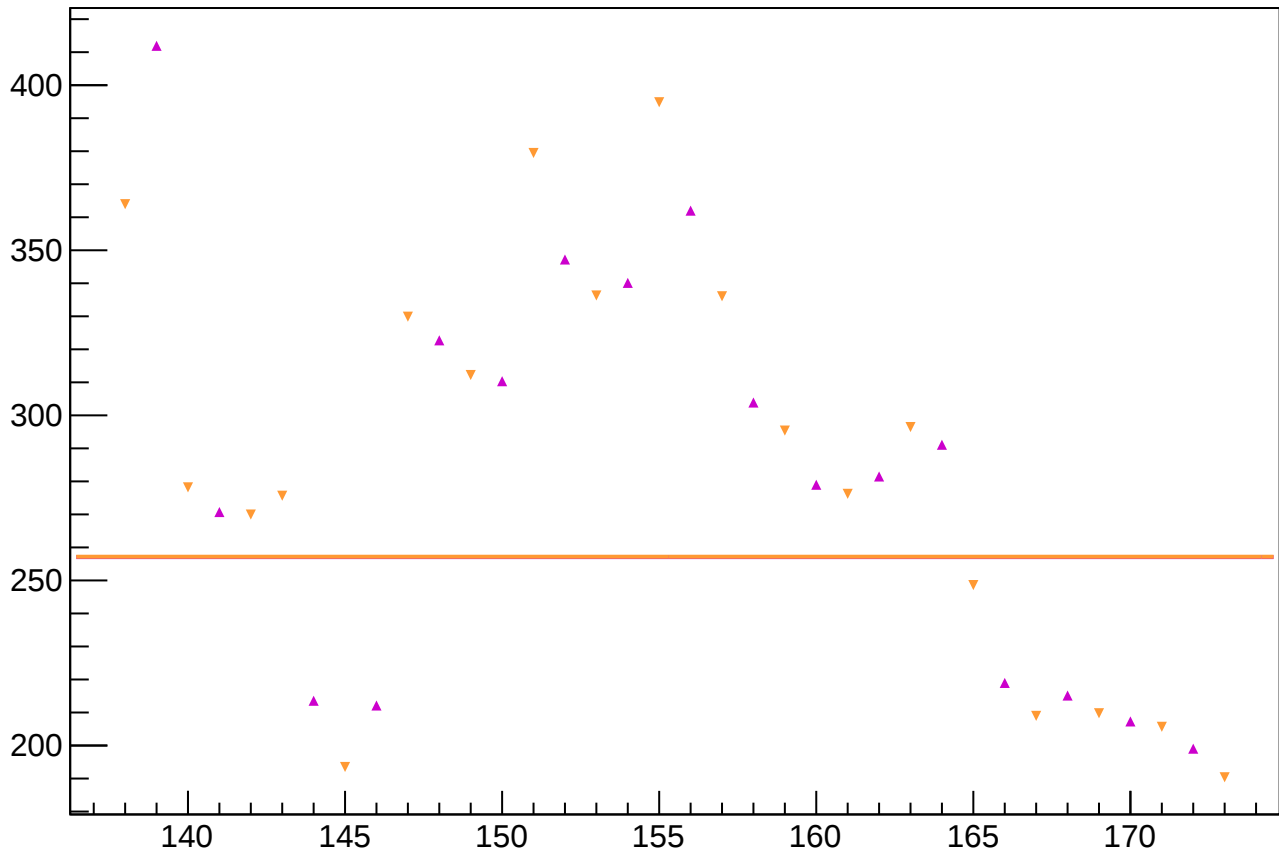
Left In: 1.666 $\pm$ 72.563 χ^2 /NDF:20.2/16

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

All: -186.239 $\pm$ 50.447 χ^2 /NDF: 94.4/35

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

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 257.183+/-0.050 χ^2/NDF :1466023.2/18

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

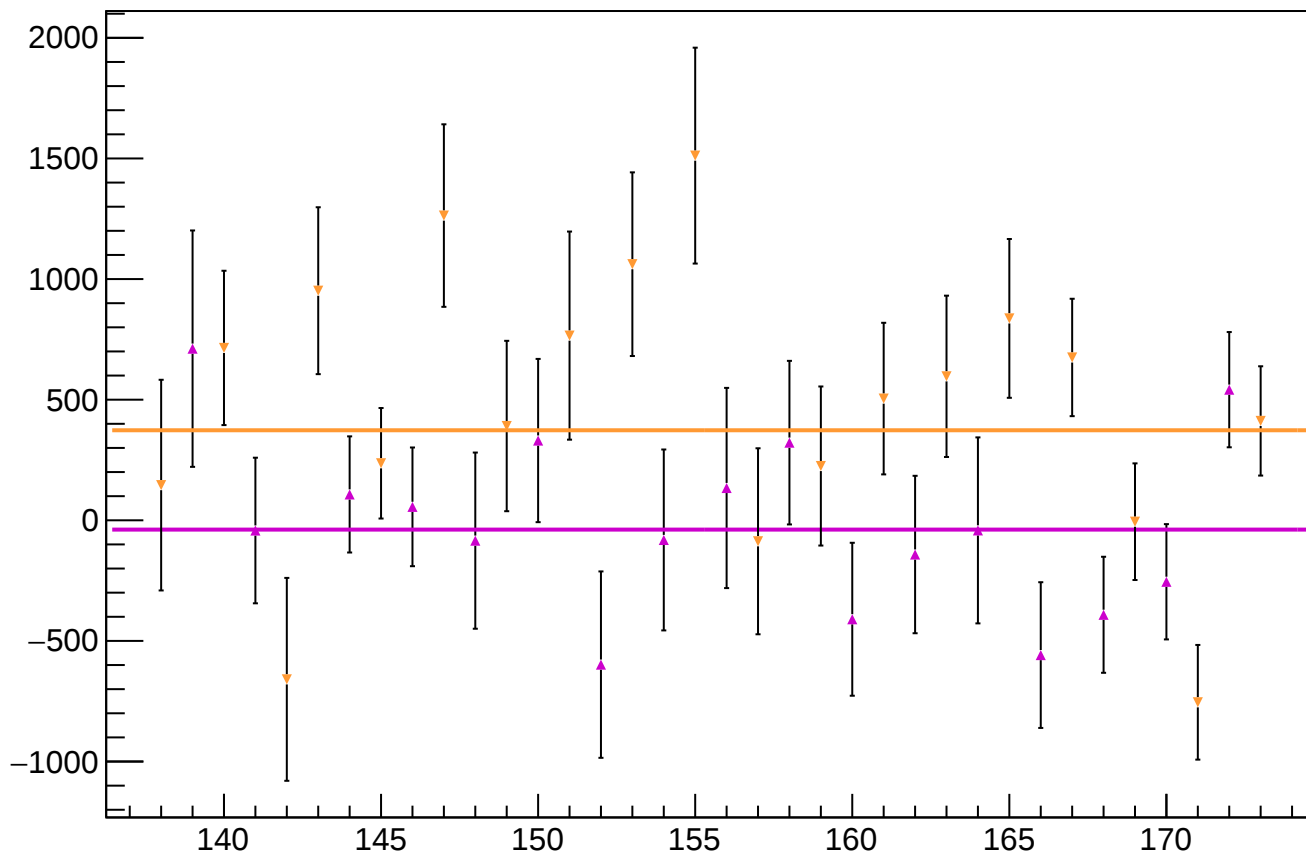
Left In: 257.071+/-0.051 χ^2/NDF :1194641.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 257.129+/-0.036 χ^2/NDF : 2660667.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_mean vs Slug



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

Left Out: 373.226 $\pm$ 71.471 χ^2 /NDF:57.5/18

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

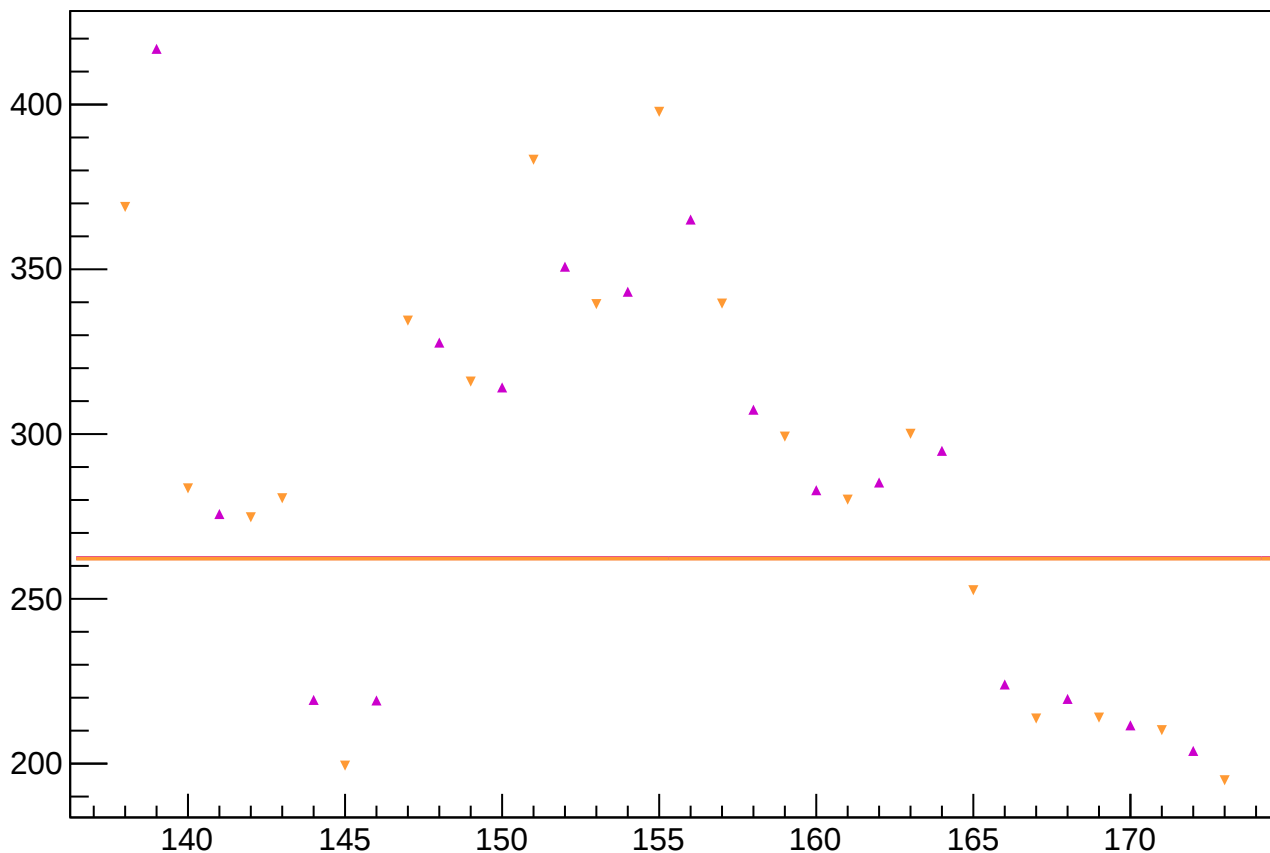
Left In: -38.556 $\pm$ 73.959 χ^2 /NDF:20.8/16

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

All: 174.378 $\pm$ 51.395 χ^2 /NDF: 94.3/35

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

asym_sam_1526_avg_rms vs Slug



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

Left Out: 262.237+/-0.051 χ^2/NDF :1399681.1/18

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

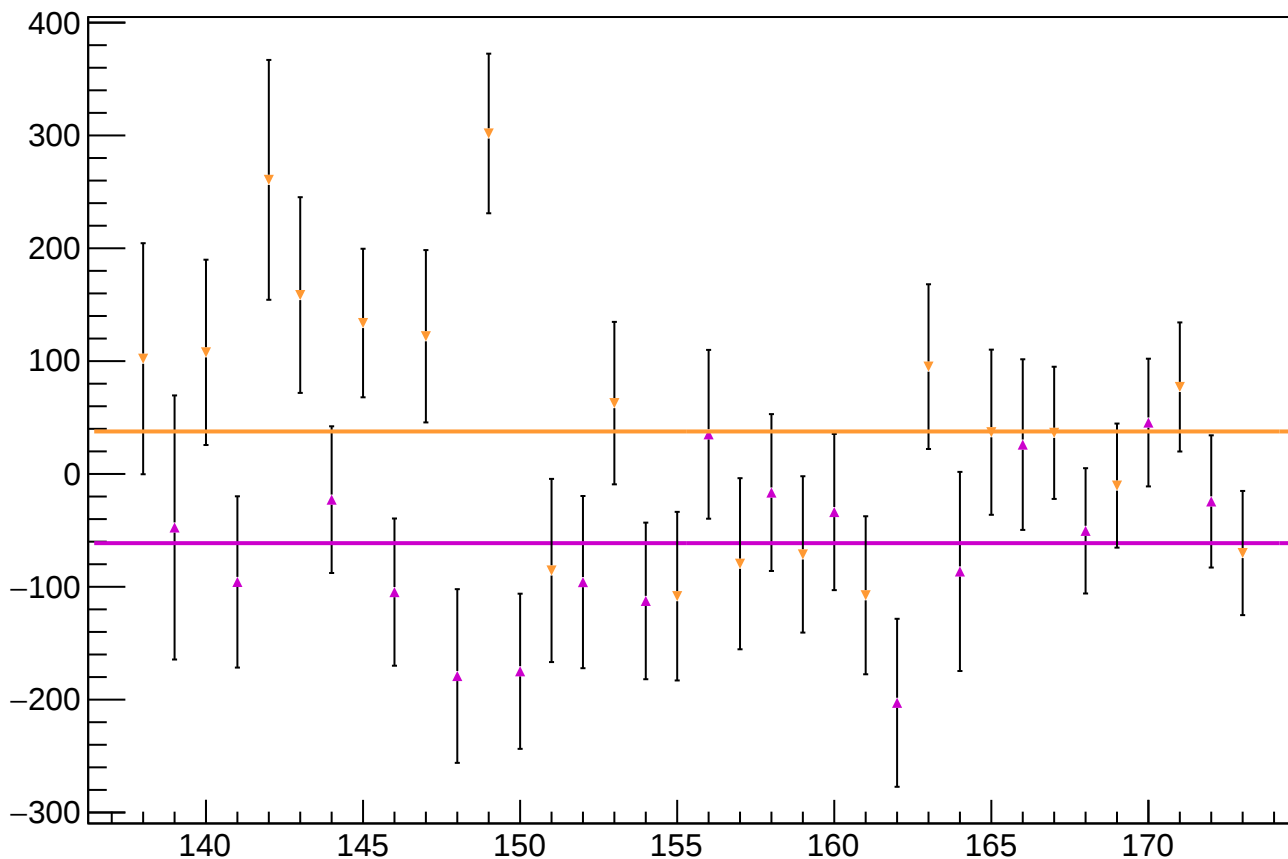
Left In: 262.365+/-0.052 χ^2/NDF :1133172.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 262.299+/-0.036 χ^2/NDF : 2532857.0/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 37.666+/-16.200 χ^2/NDF : 45.9/18

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

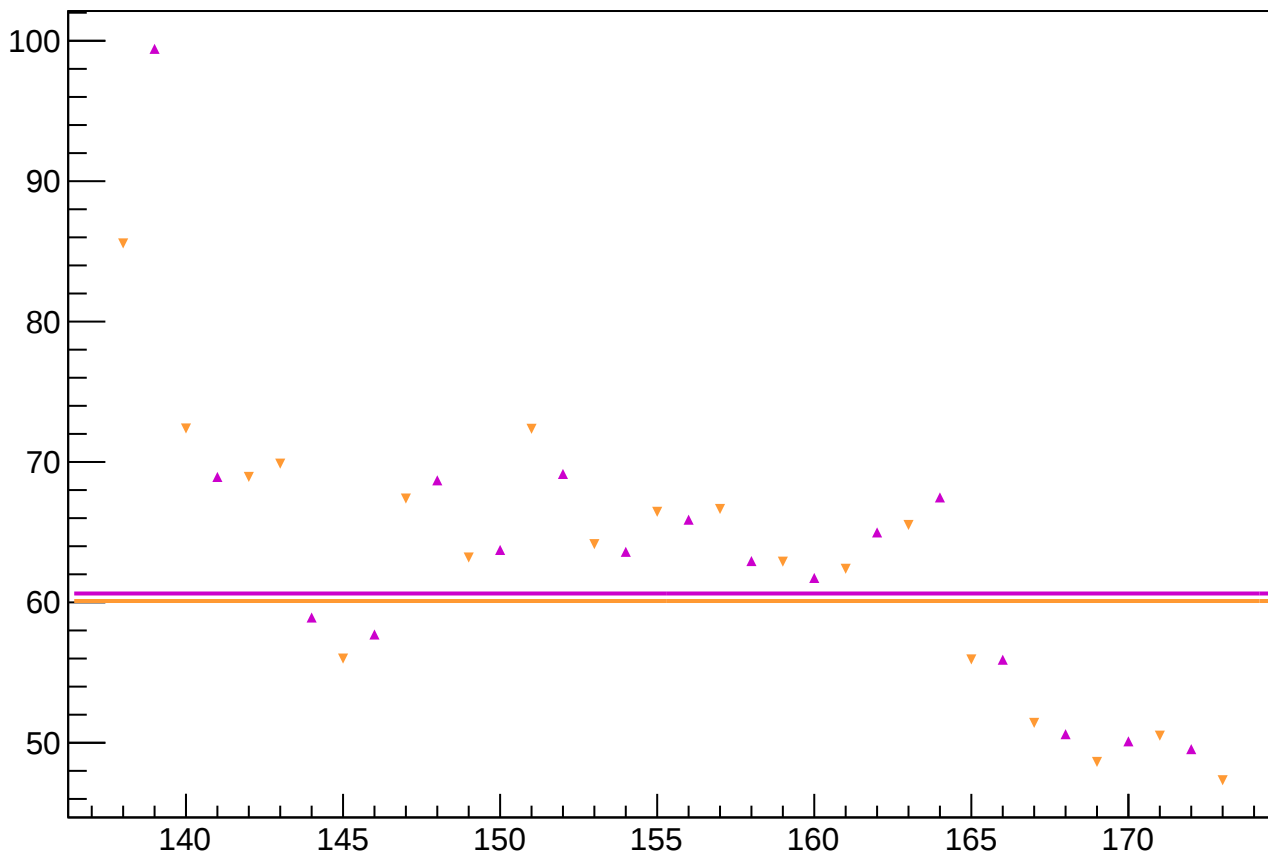
Left In: -61.314+/-16.941 χ^2/NDF : 18.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -9.614+/-11.709 χ^2/NDF : 81.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 60.098+/-0.011 χ^2/NDF : 636776.5/18

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

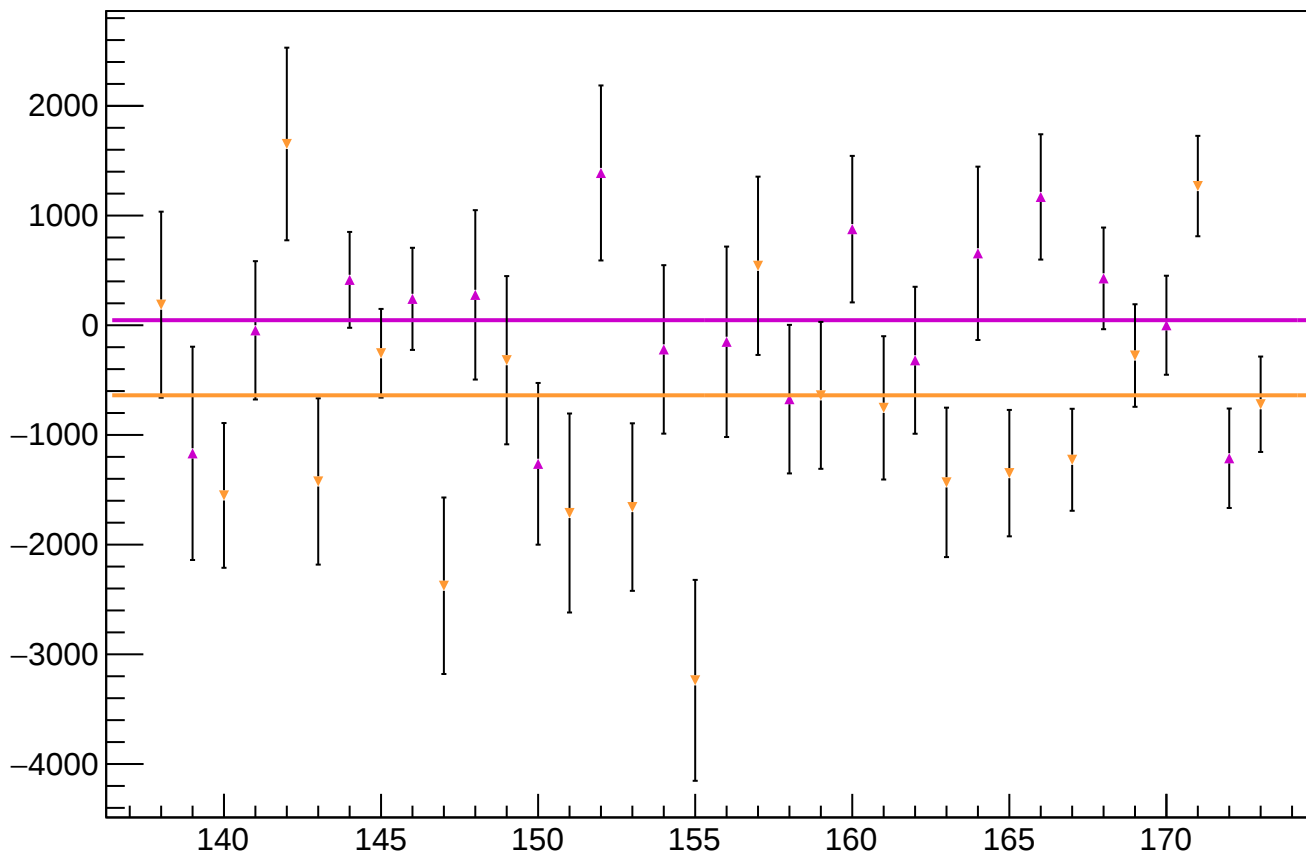
Left In: 60.633+/-0.012 χ^2/NDF : 548961.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 60.354+/-0.008 χ^2/NDF : 1186778.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -638.634+/-140.400 χ^2/NDF : 52.3/18

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

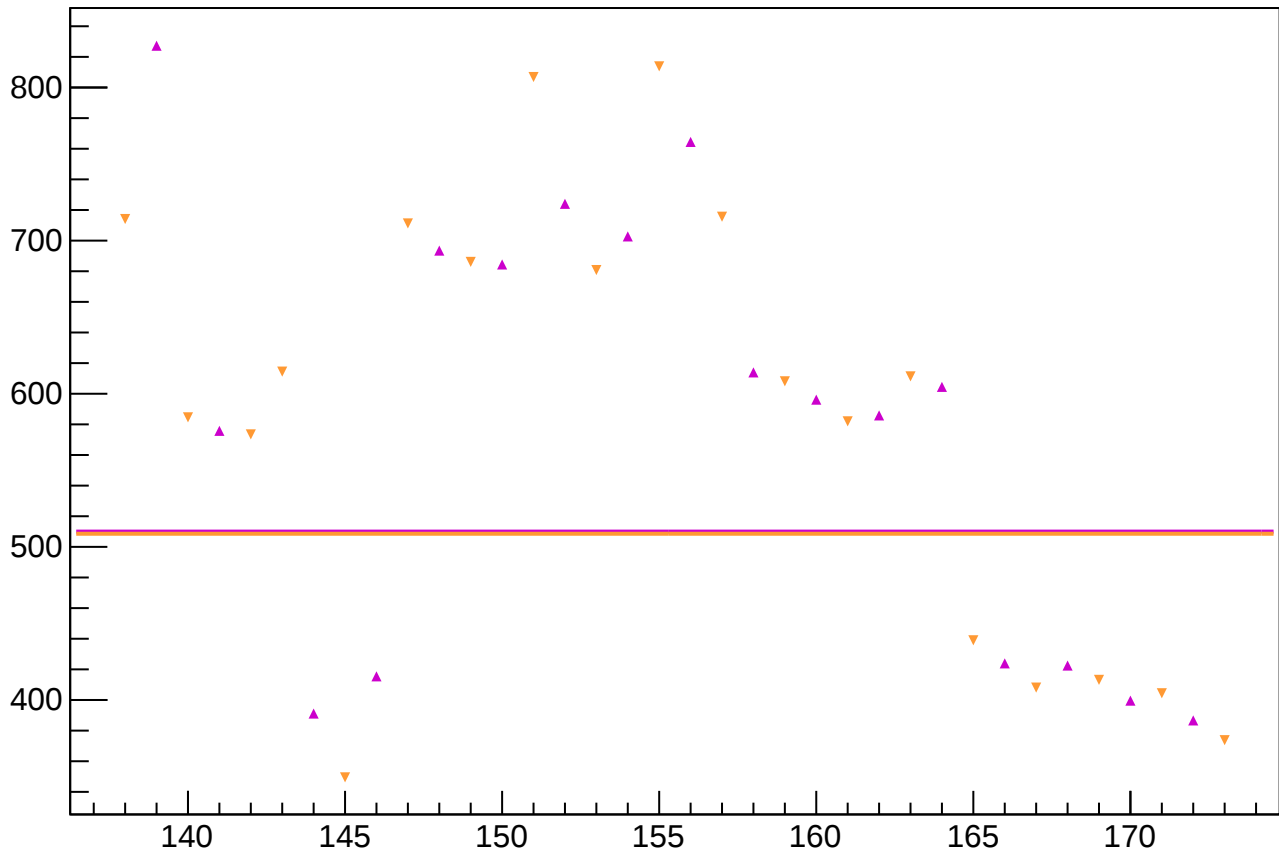
Left In: 46.151+/-145.429 χ^2/NDF : 24.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -308.286+/-101.009 χ^2/NDF : 88.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 508.567+/-0.099 χ^2/NDF :2024675.9/18

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

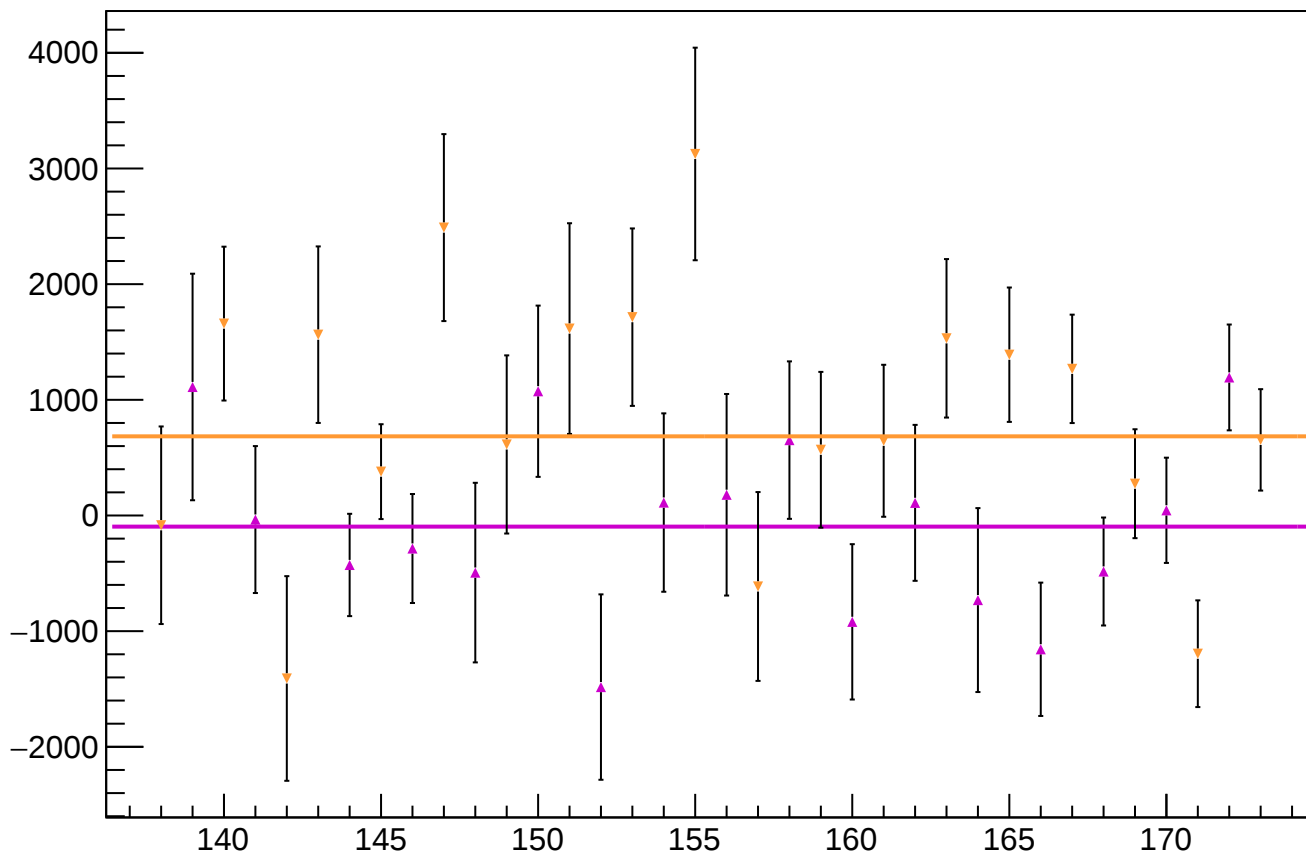
Left In: 509.972+/-0.103 χ^2/NDF :1651065.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 509.245+/-0.071 χ^2/NDF : 3675837.5/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_mean vs Slug



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

Left Out: 684.363+/-141.470 χ^2/NDF : 49.8/18

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

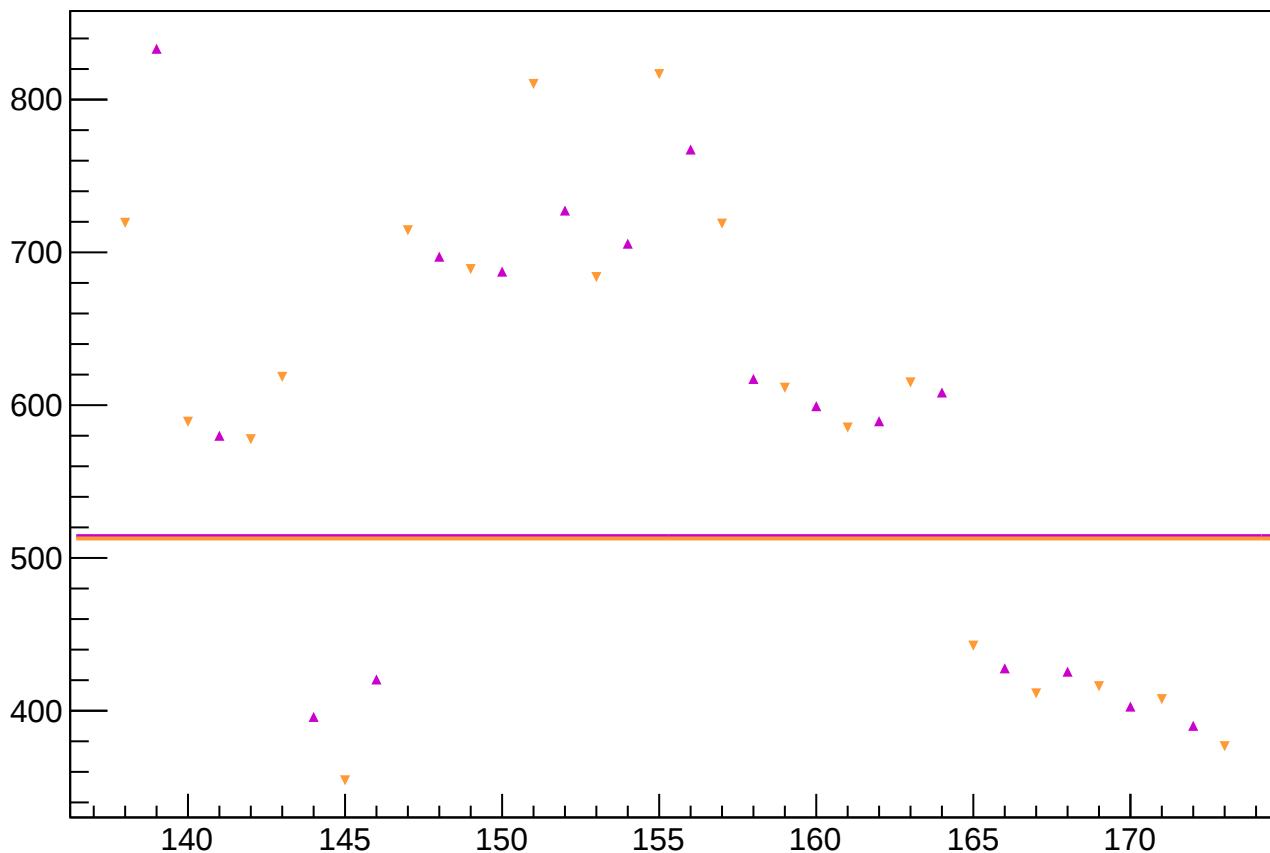
Left In: -96.194+/-146.576 χ^2/NDF : 23.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 307.914+/-101.792 χ^2/NDF : 88.2/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_rms vs Slug



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

Left Out: 512.735+/-0.100 χ^2/NDF :1994322.2/18

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

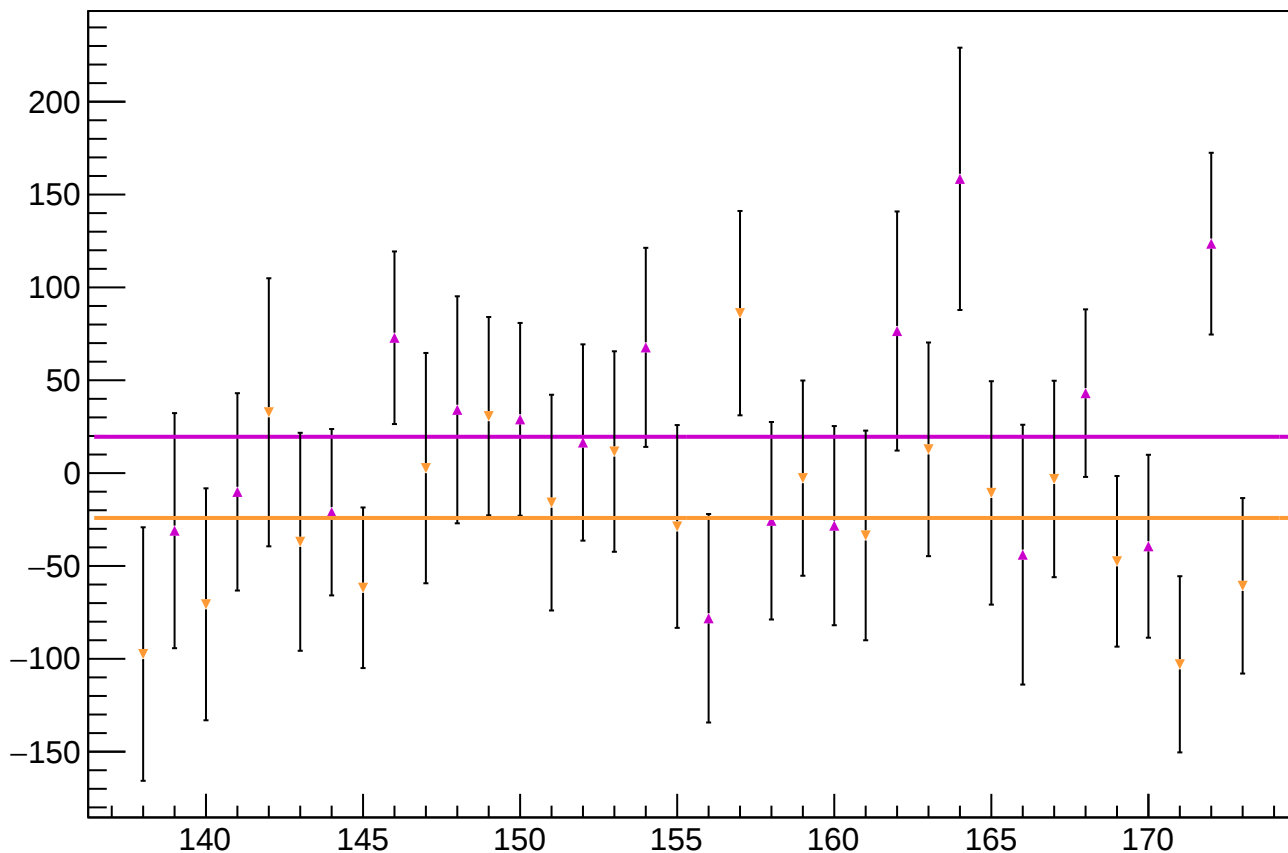
Left In: 514.277+/-0.104 χ^2/NDF :1625142.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 513.479+/-0.072 χ^2/NDF : 3619578.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -24.145 $\pm$ 12.517 χ^2 /NDF:13.3/18

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

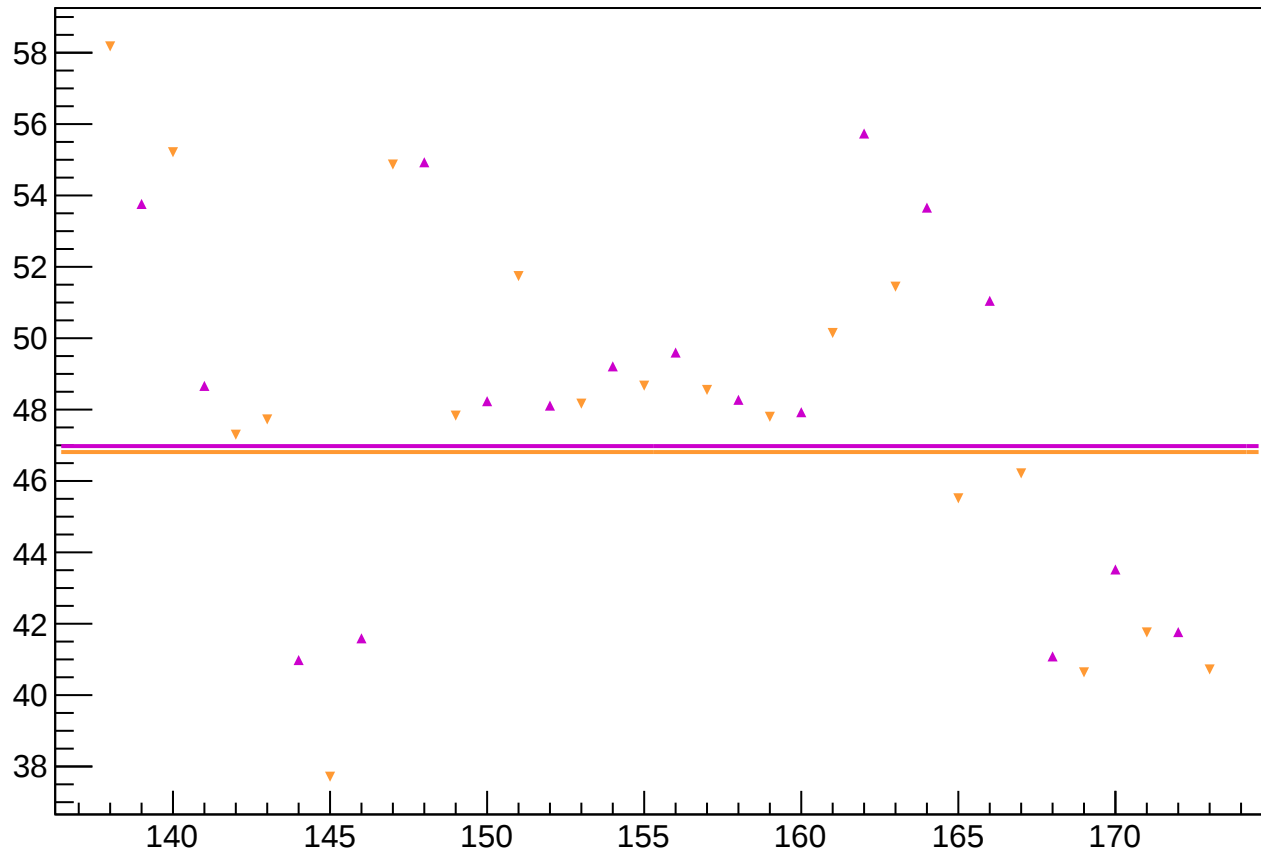
Left In: 19.561 $\pm$ 13.023 χ^2 /NDF:20.2/16

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

All: -3.158 $\pm$ 9.025 χ^2 /NDF: 39.4/35

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

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 46.810+/-0.009 χ^2/NDF : 349135.8/18

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

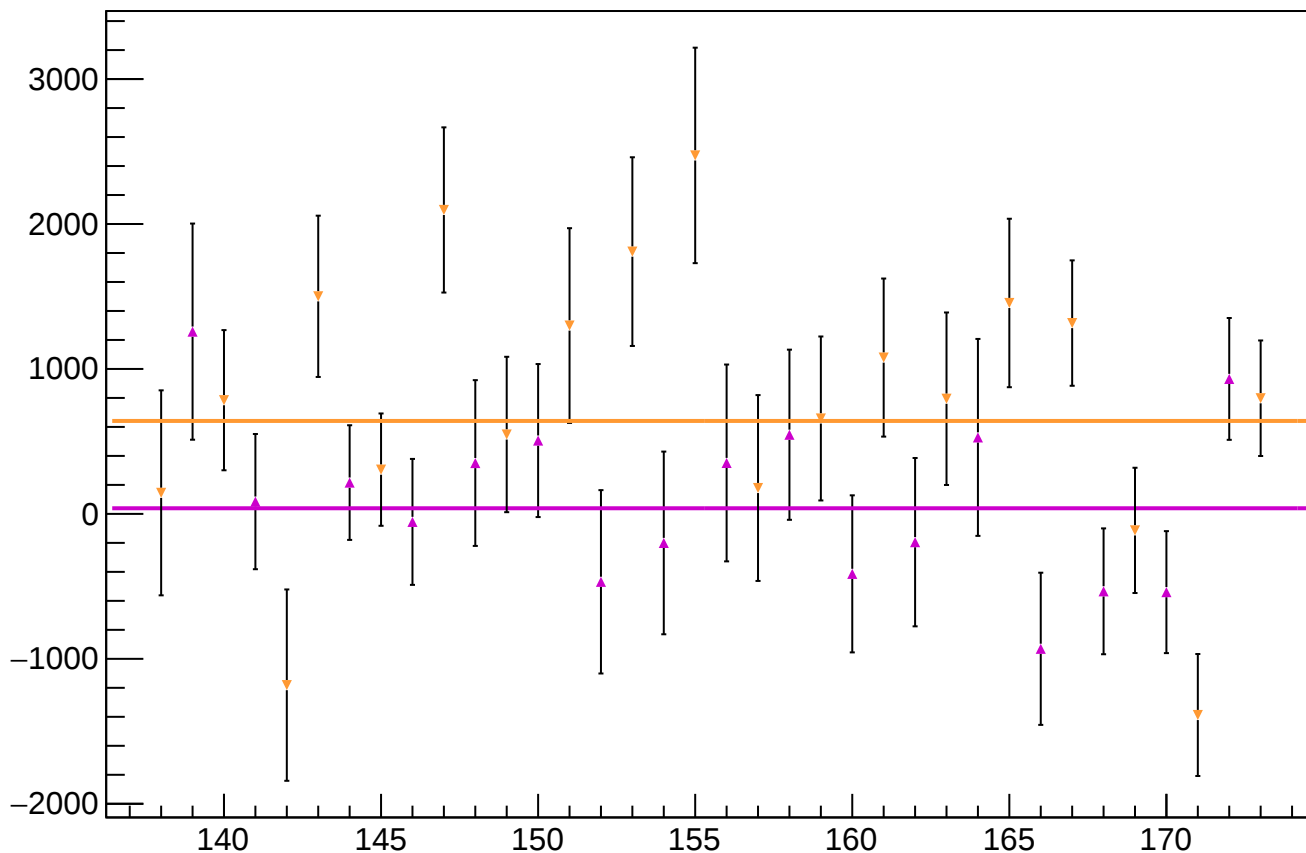
Left In: 46.977+/-0.009 χ^2/NDF : 261640.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 46.891+/-0.006 χ^2/NDF : 610947.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 641.273+/-120.596 χ^2/NDF : 60.2/18

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

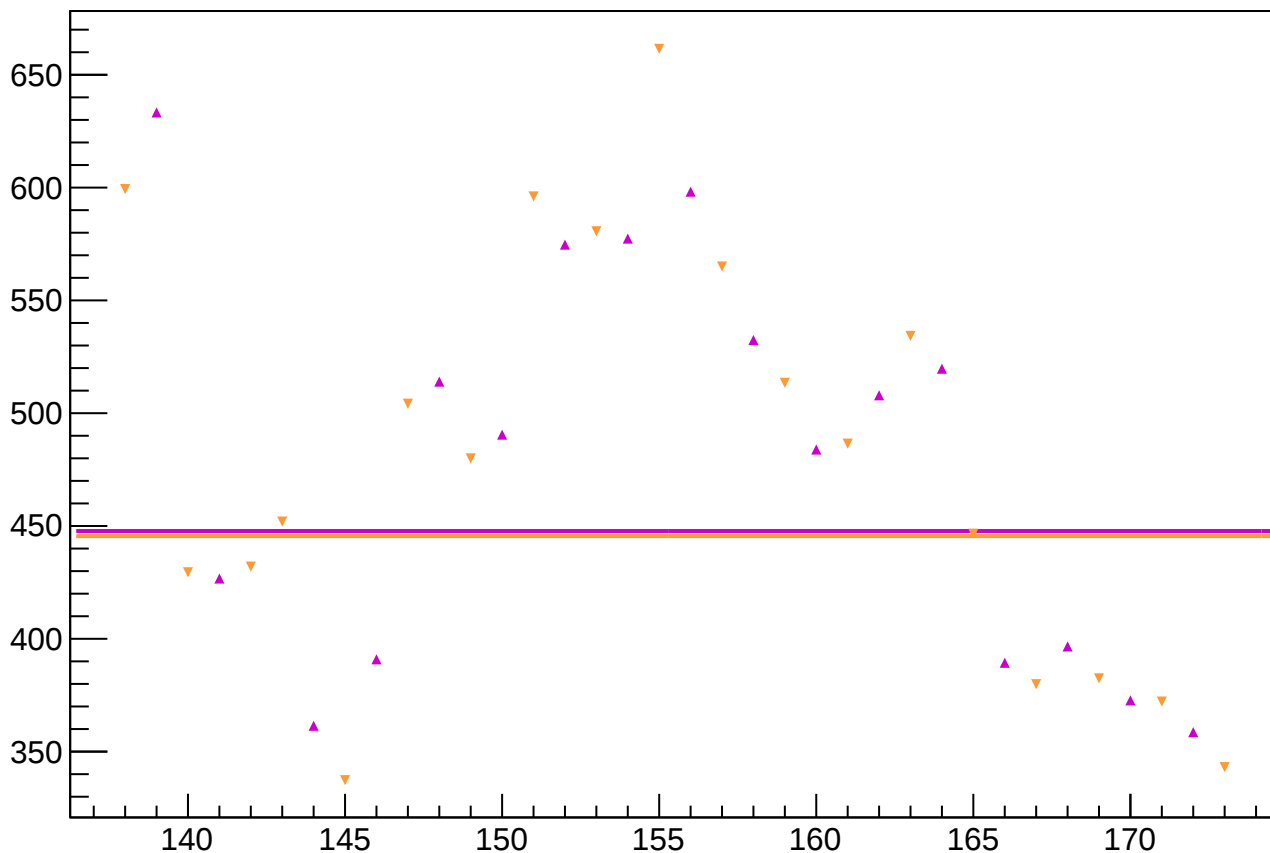
Left In: 38.799+/-125.390 χ^2/NDF : 18.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 351.773+/-86.920 χ^2/NDF : 90.9/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 445.516+/-0.085 χ^2/NDF :1074468.2/18

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

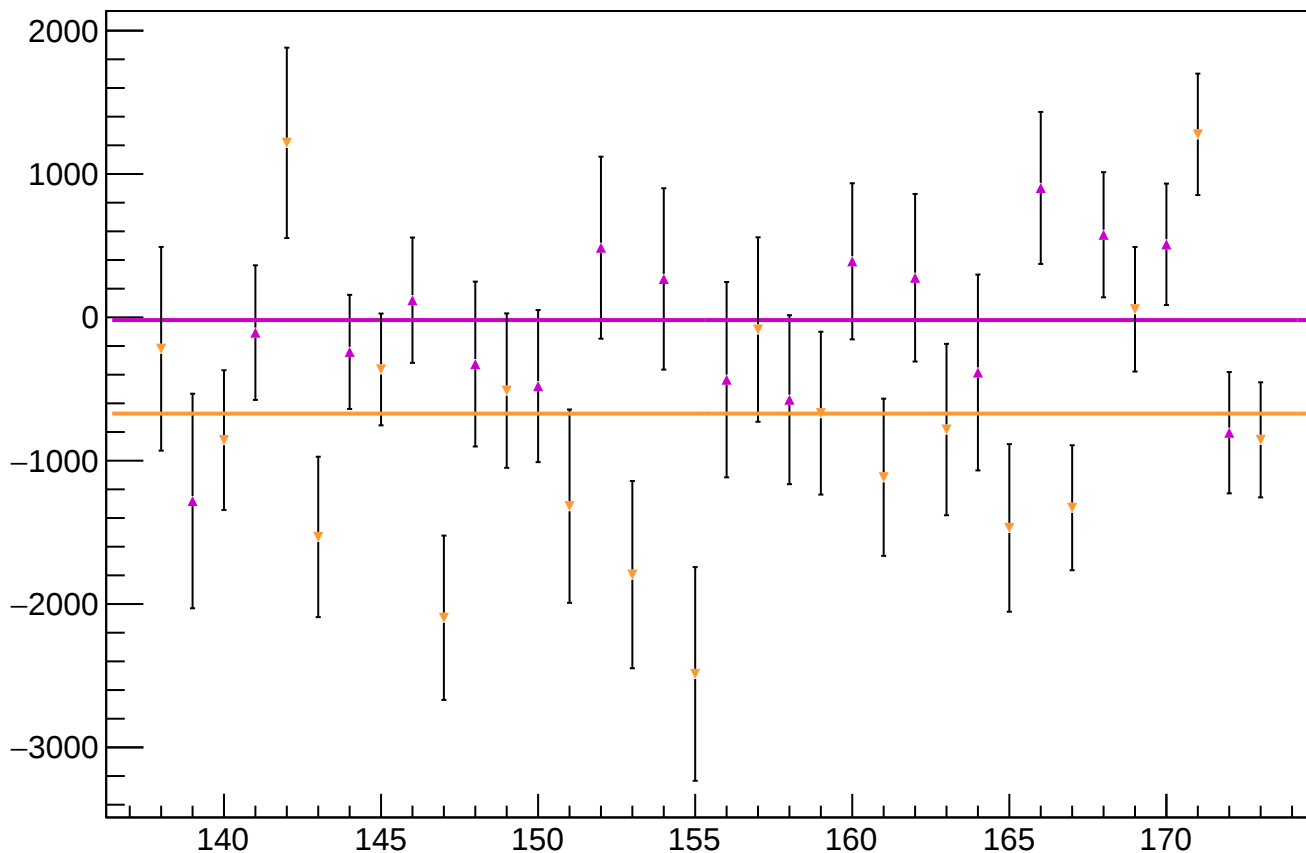
Left In: 447.791+/-0.089 χ^2/NDF :861226.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 446.610+/-0.061 χ^2/NDF : 1936036.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -671.548+/-121.308 χ^2/NDF : 57.5/18

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

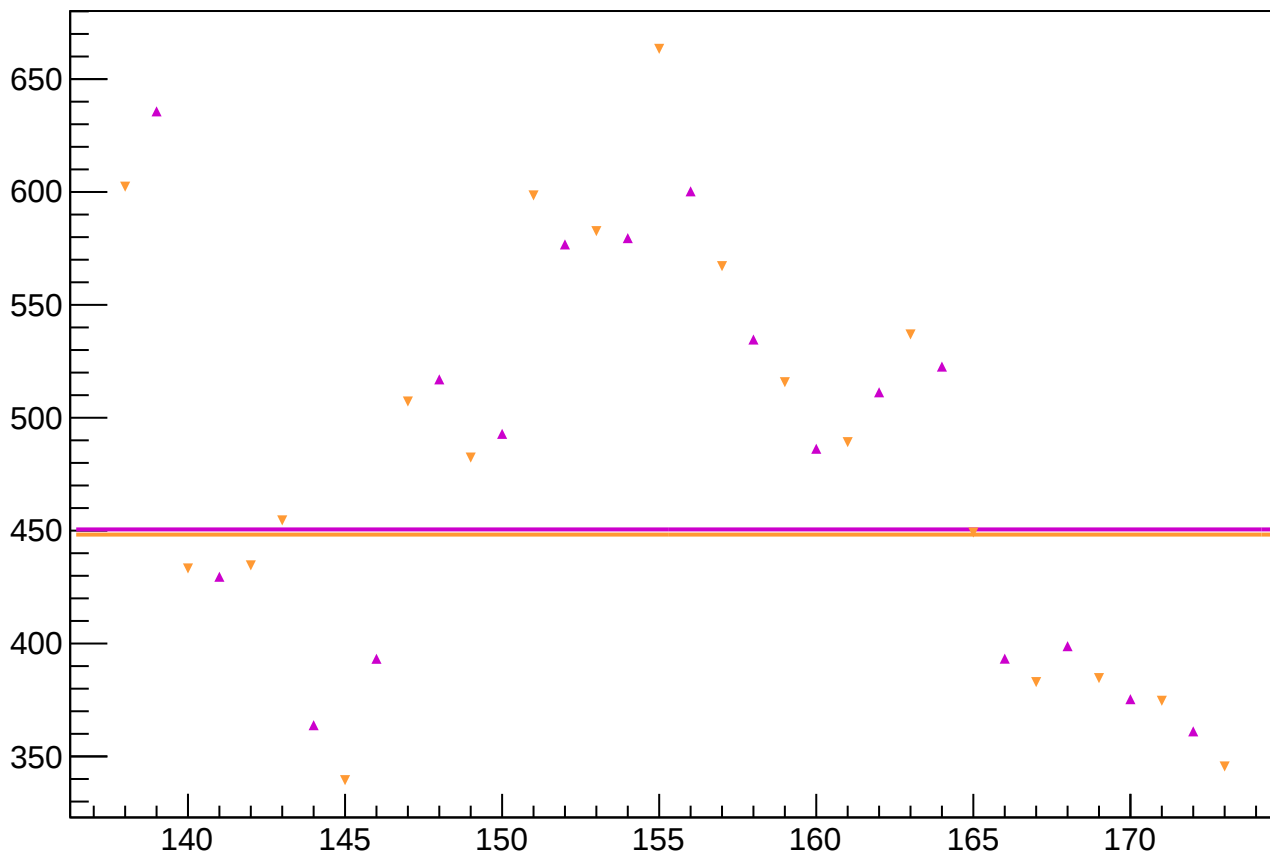
Left In: -18.974+/-126.133 χ^2/NDF : 17.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -357.980+/-87.434 χ^2/NDF : 88.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 448.251+/-0.086 χ^2/NDF :1063110.4/18

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

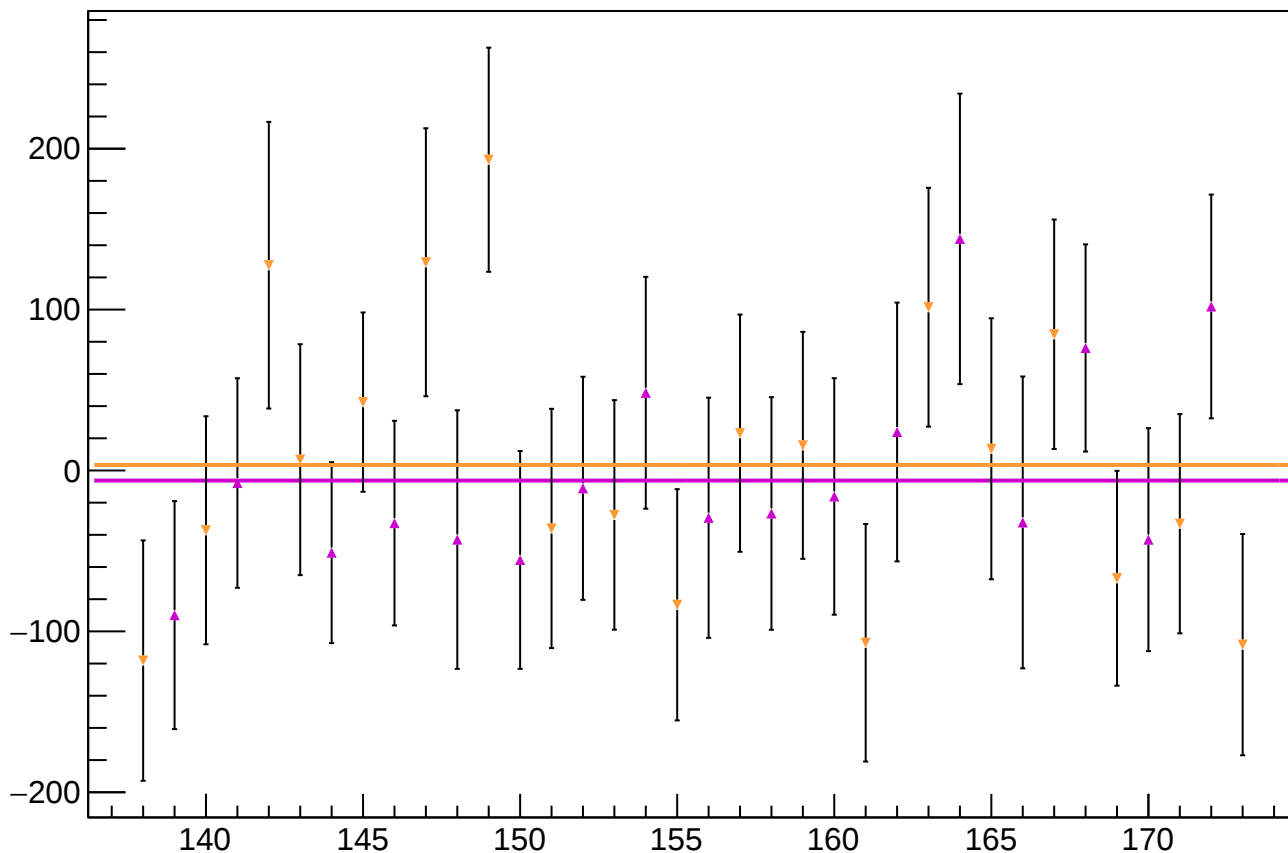
Left In: 450.543+/-0.089 χ^2/NDF :850938.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 449.352+/-0.062 χ^2/NDF : 1914392.3/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 3.435 $\pm$ 16.459 χ^2/NDF : 26.5/18

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

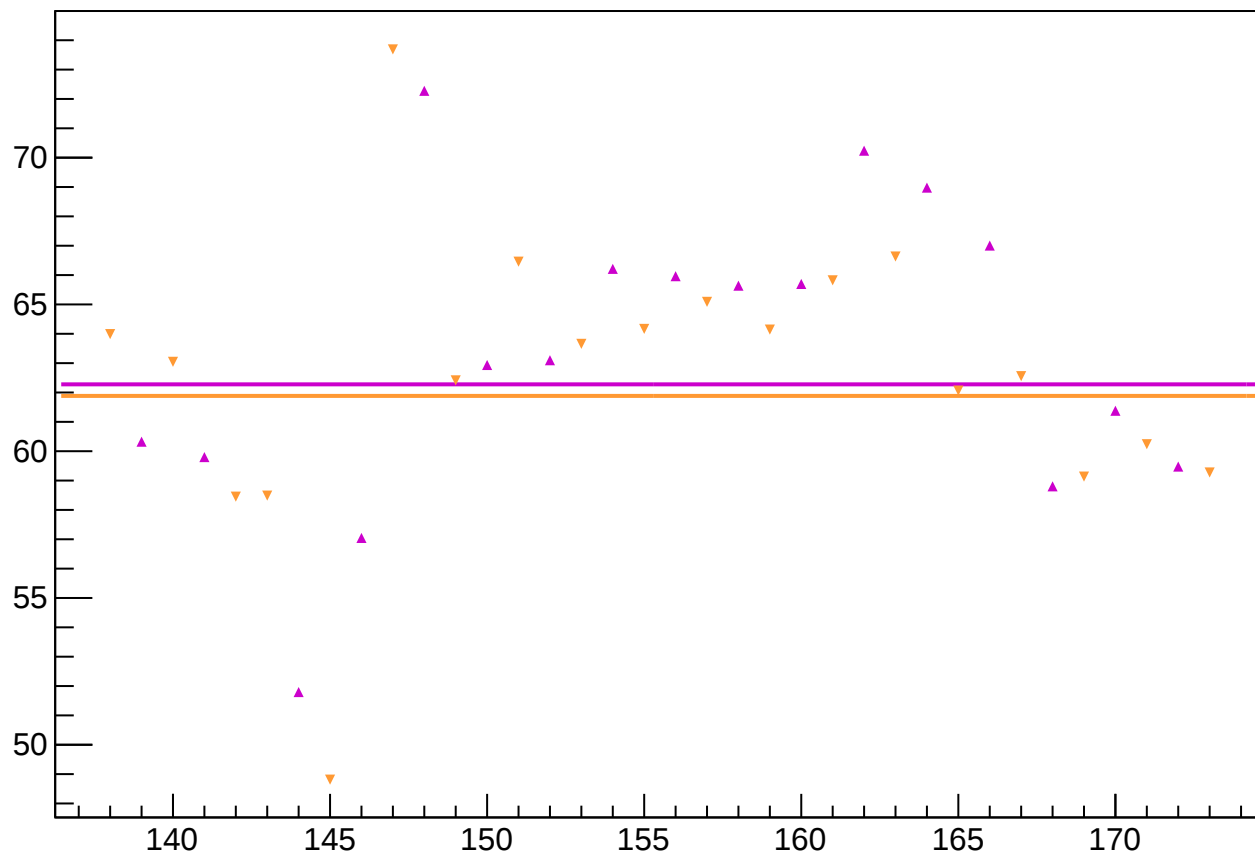
Left In: -6.269 $\pm$ 17.192 χ^2/NDF : 11.0/16

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

All: -1.206 $\pm$ 11.889 χ^2/NDF : 37.7/35

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

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 61.884+/-0.012 χ^2/NDF :198061.3/18

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

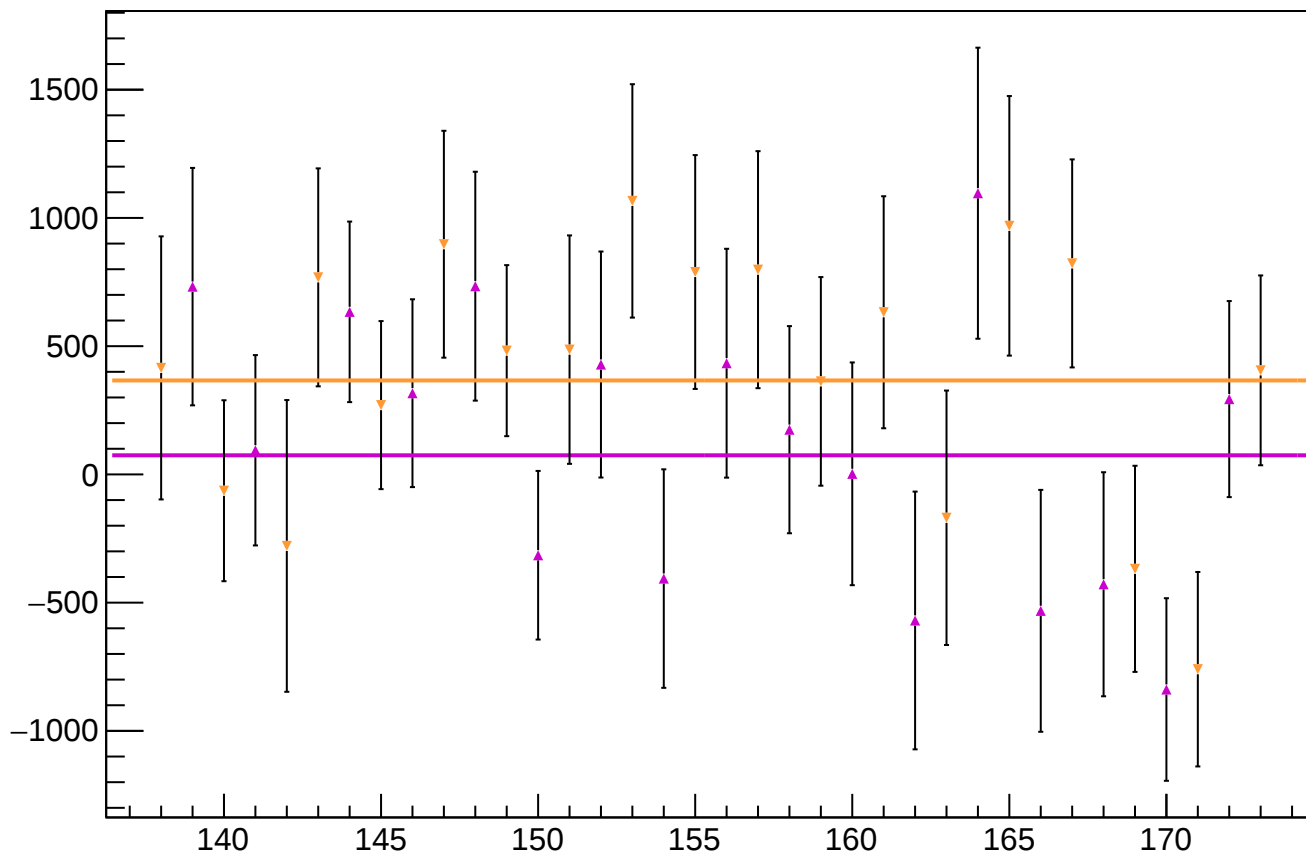
Left In: 62.278+/-0.012 χ^2/NDF :183852.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.072+/-0.008 χ^2/NDF : 382461.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 366.418+/-95.916 χ^2/NDF : 25.9/18

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

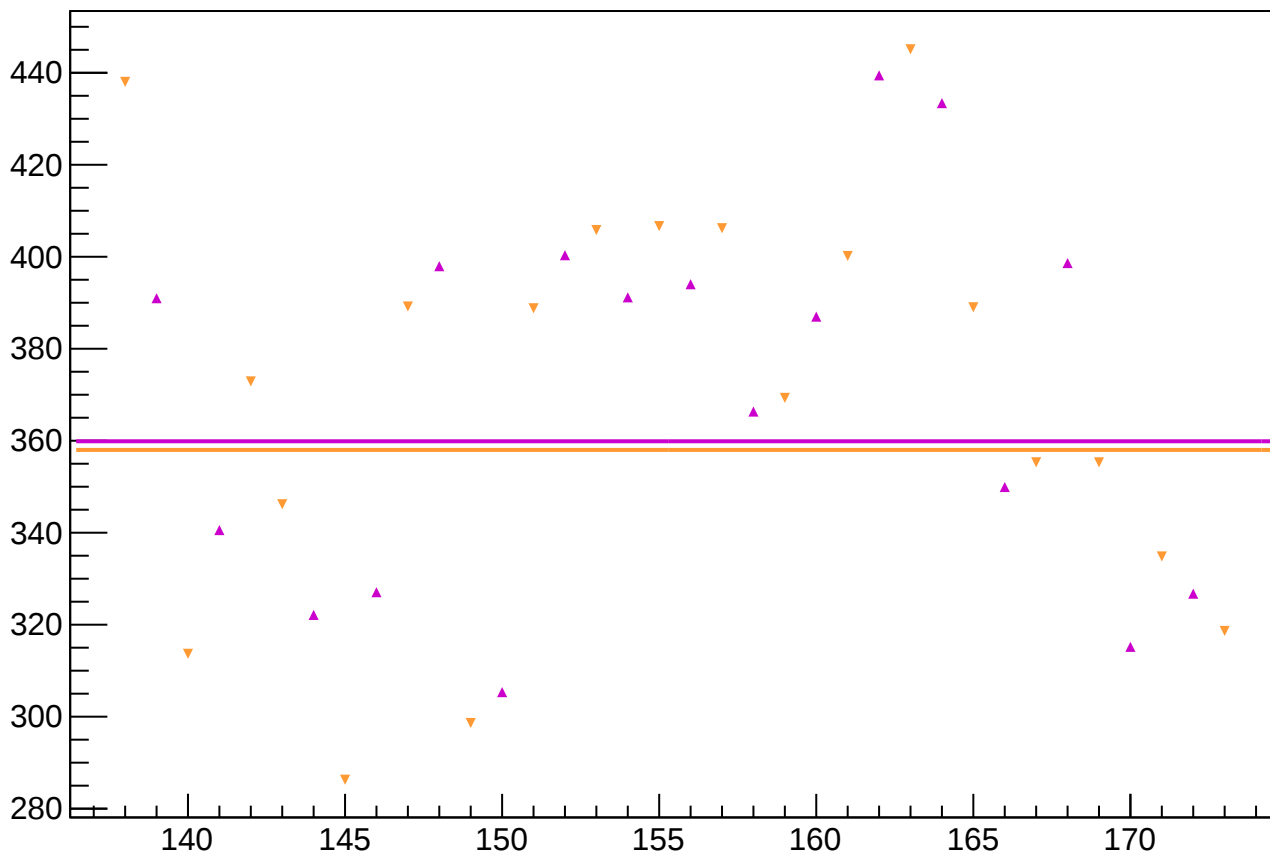
Left In: 74.508+/-99.800 χ^2/NDF : 26.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 226.253+/-69.155 χ^2/NDF : 56.3/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 358.000+/-0.068 χ^2/NDF : 446970.6/18

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

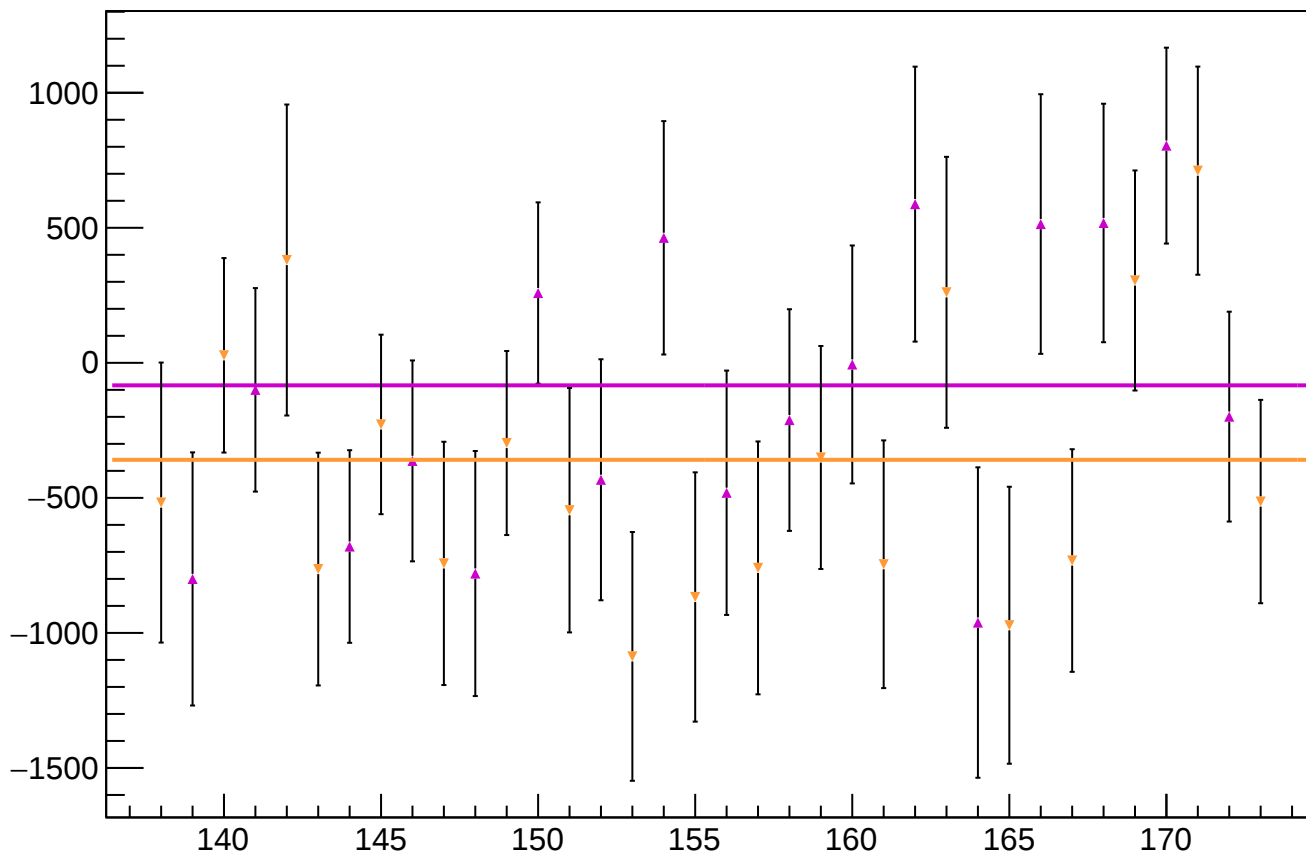
Left In: 359.880+/-0.071 χ^2/NDF : 317739.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 358.903+/-0.049 χ^2/NDF : 765079.5/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -359.094+/-97.408 χ^2/NDF :24.3/18

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

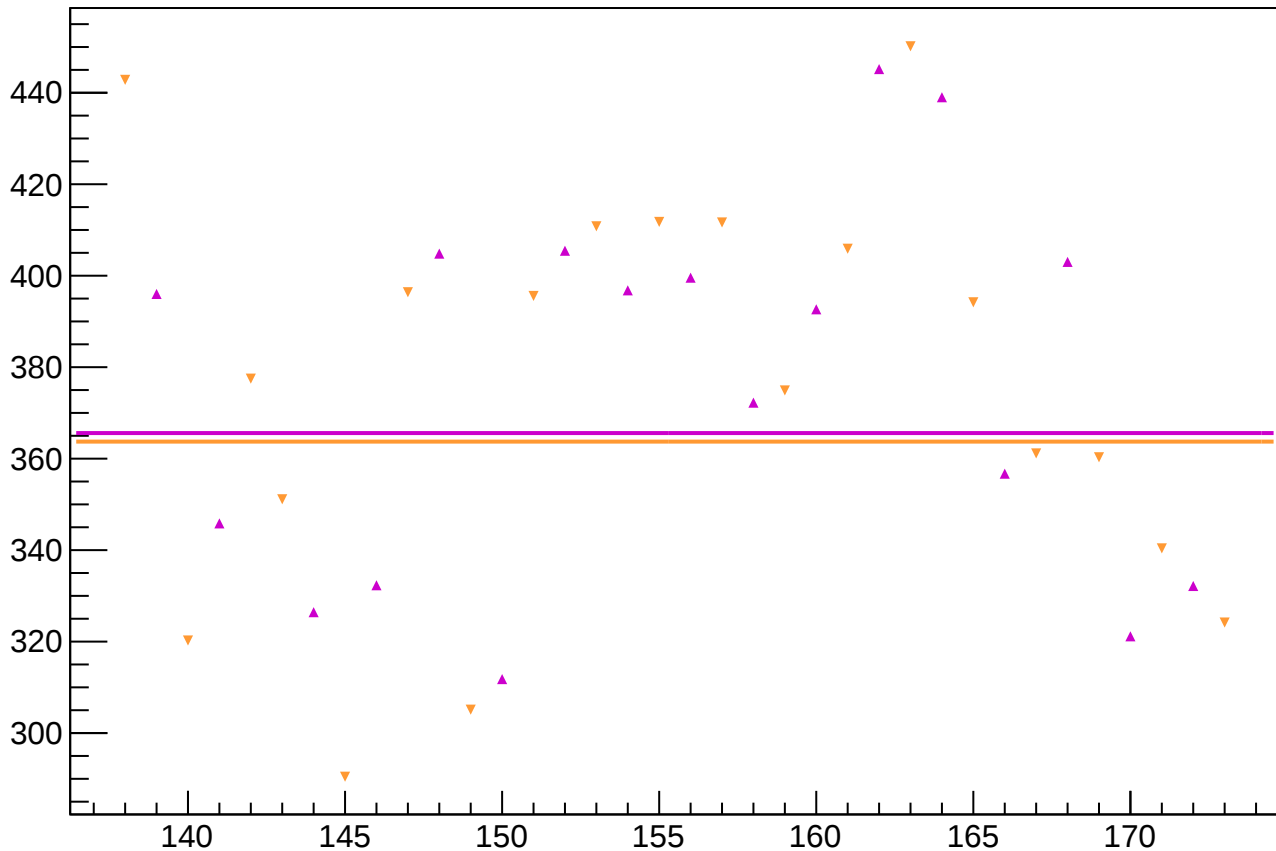
Left In: -83.371+/-101.351 χ^2/NDF :25.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -226.700+/-70.230 χ^2/NDF : 53.9/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 363.728+/-0.069 χ^2/NDF : 433355.1/18

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

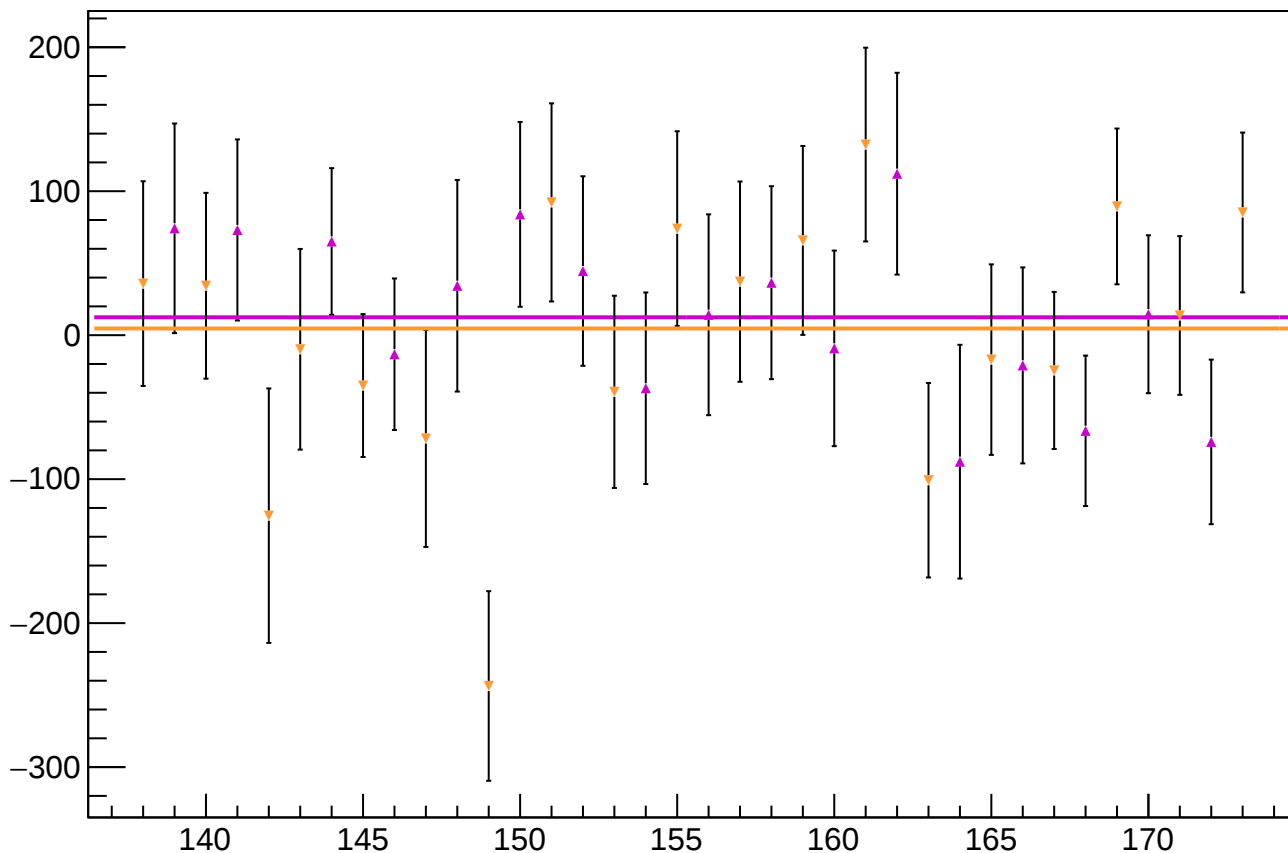
Left In: 365.595+/-0.072 χ^2/NDF : 307534.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 364.624+/-0.050 χ^2/NDF : 741242.5/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: 4.656 $\pm$ 14.621 χ^2 /NDF:33.7/18

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

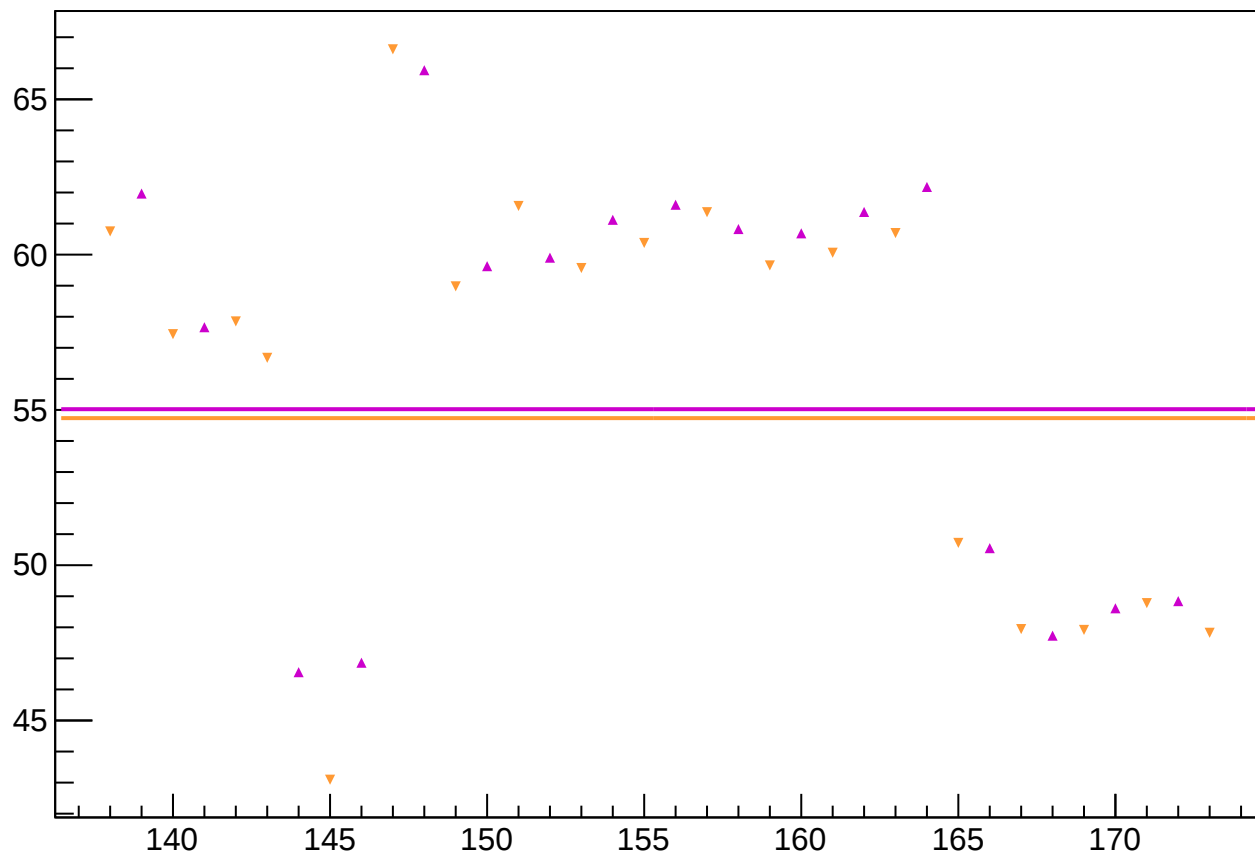
Left In: 12.418 $\pm$ 15.261 χ^2 /NDF:13.7/16

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

All: 8.371 $\pm$ 10.558 χ^2 /NDF: 47.5/35

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

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 54.736+/-0.010 χ^2/NDF : 416075.6/18

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

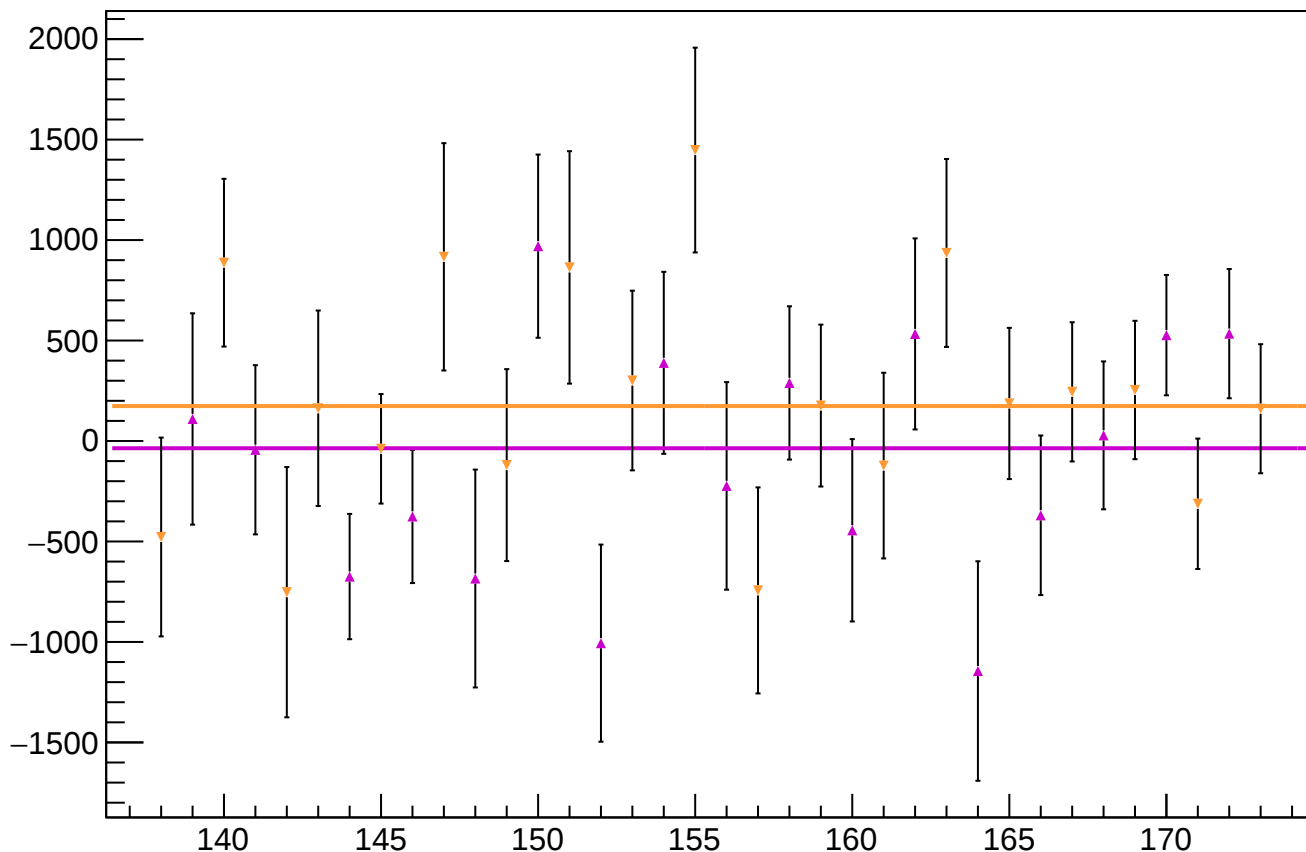
Left In: 55.023+/-0.011 χ^2/NDF : 384309.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 54.873+/-0.007 χ^2/NDF : 800755.9/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 173.891 $\pm$ 94.622 χ^2 /NDF:25.9/18

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

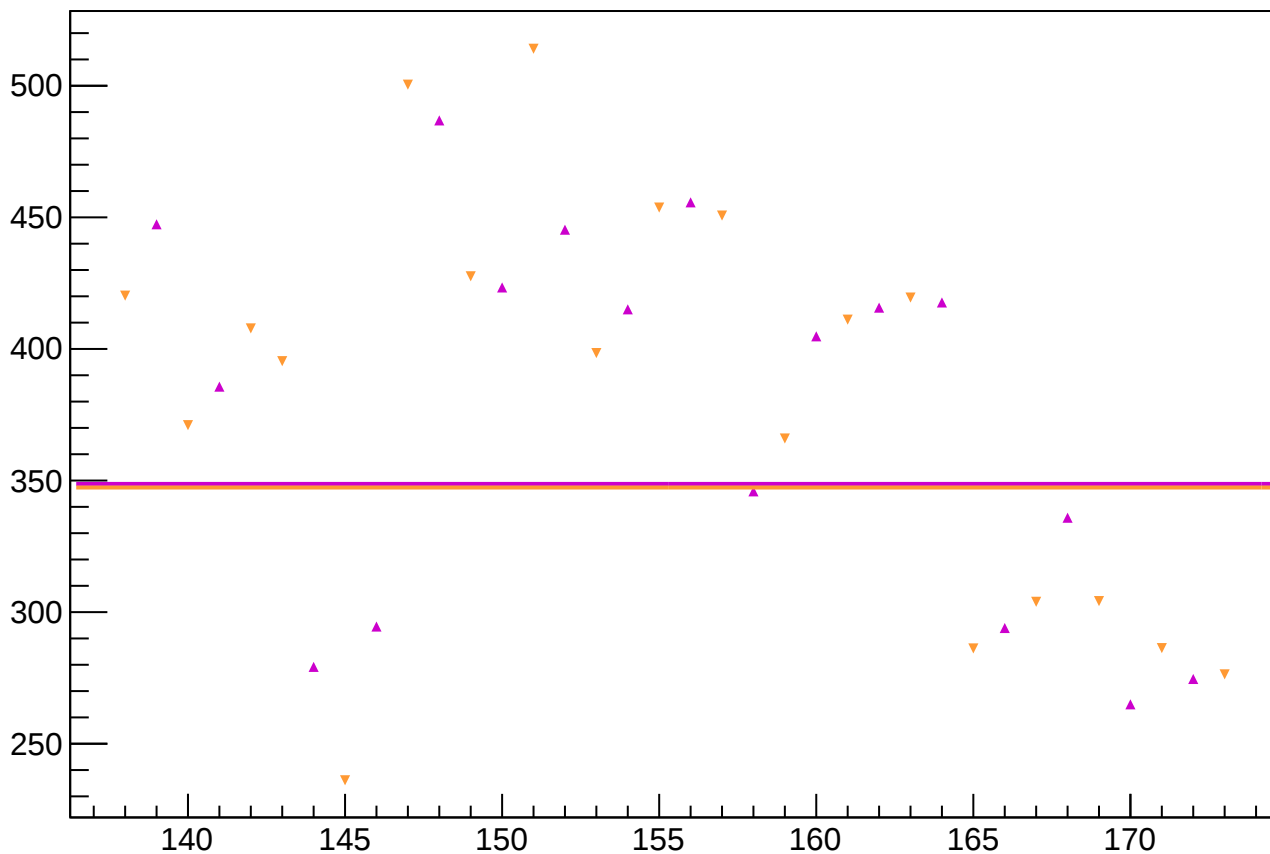
Left In: -36.024 $\pm$ 98.211 χ^2 /NDF:31.0/16

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

All: 72.839 $\pm$ 68.141 χ^2 /NDF: 59.4/35

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

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 347.347+/-0.067 χ^2/NDF :1359197.9/18

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

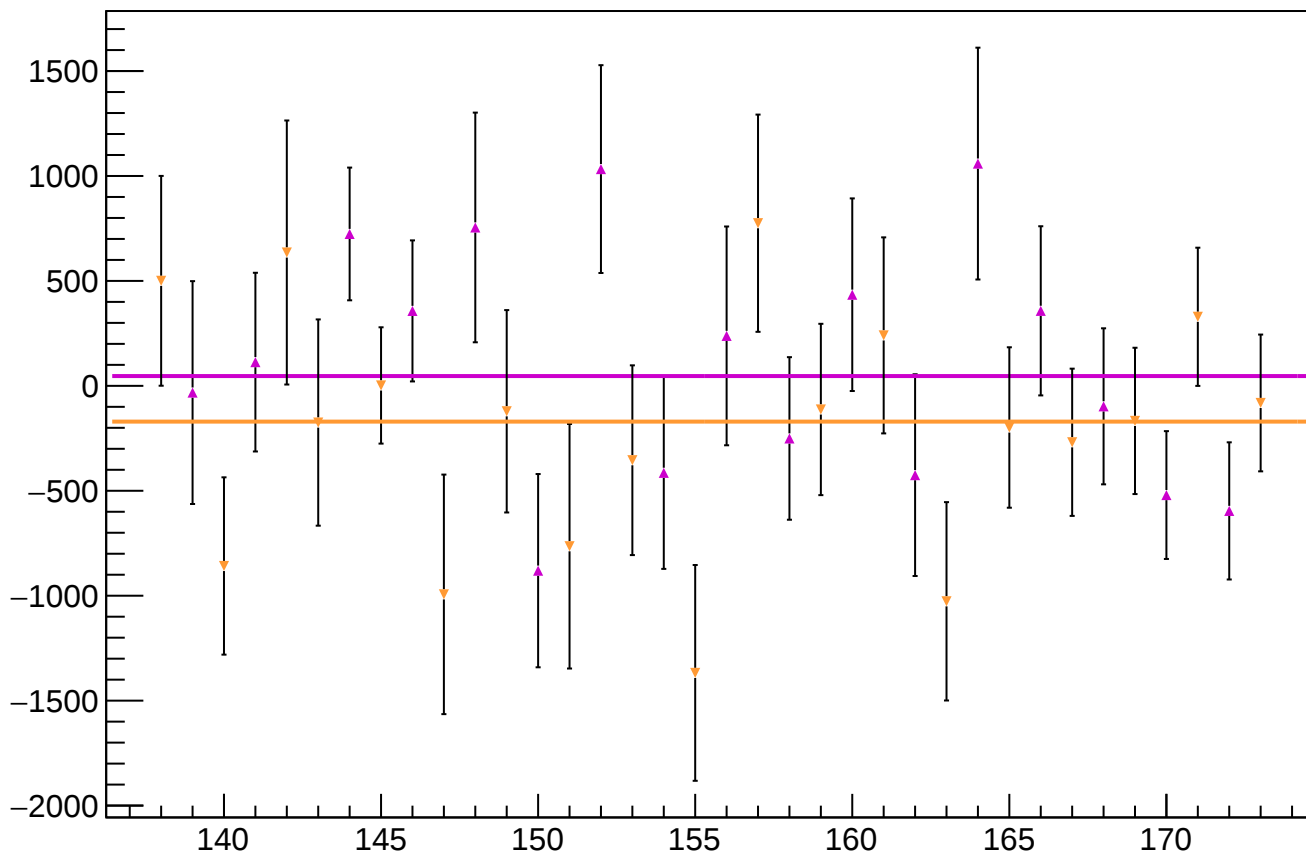
Left In: 348.722+/-0.069 χ^2/NDF :1033568.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 348.009+/-0.048 χ^2/NDF : 2392969.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -170.402 $\pm$ 95.816 χ^2 /NDF:25.1/18

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

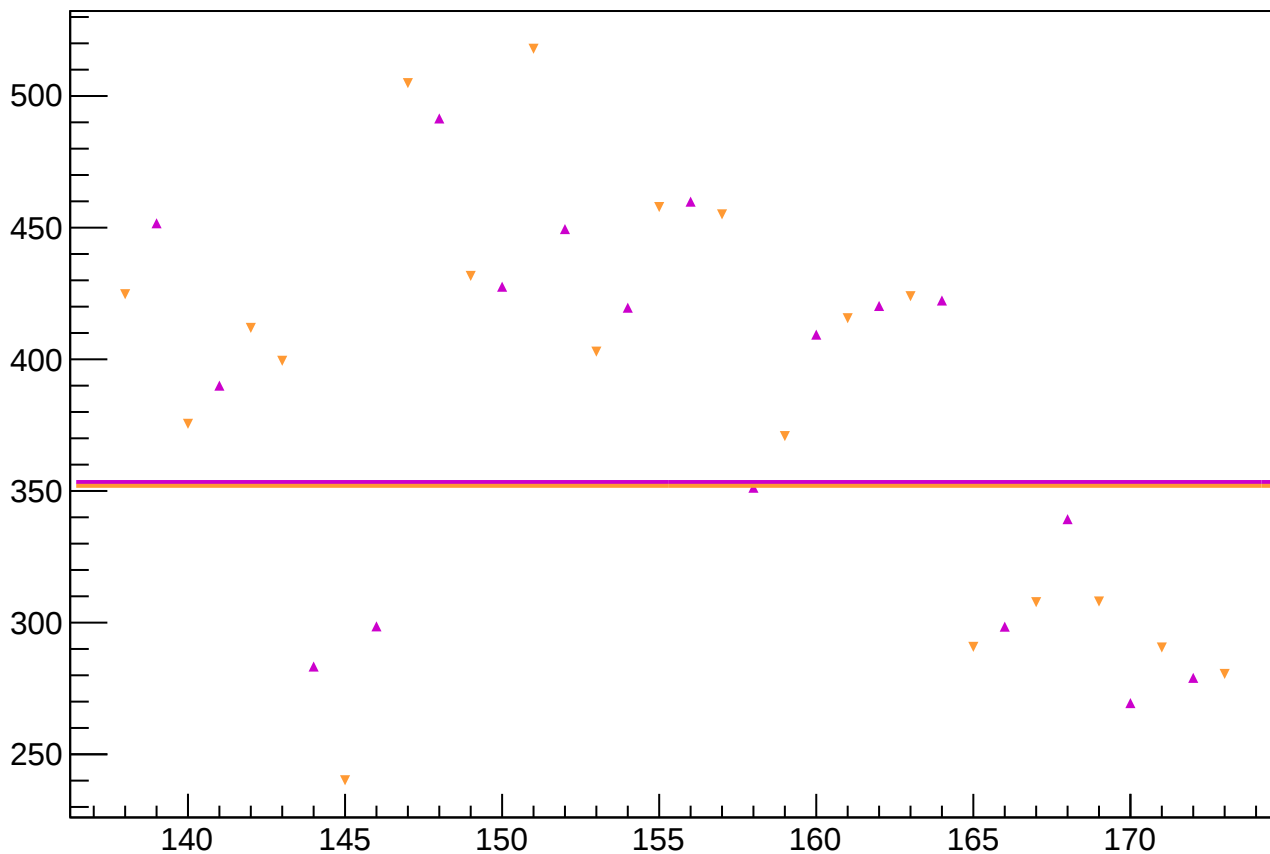
Left In: 46.635 $\pm$ 99.470 χ^2 /NDF:30.0/16

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

All: -65.943 $\pm$ 69.008 χ^2 /NDF: 57.6/35

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

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 351.960+/-0.068 χ^2/NDF :1329469.6/18

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

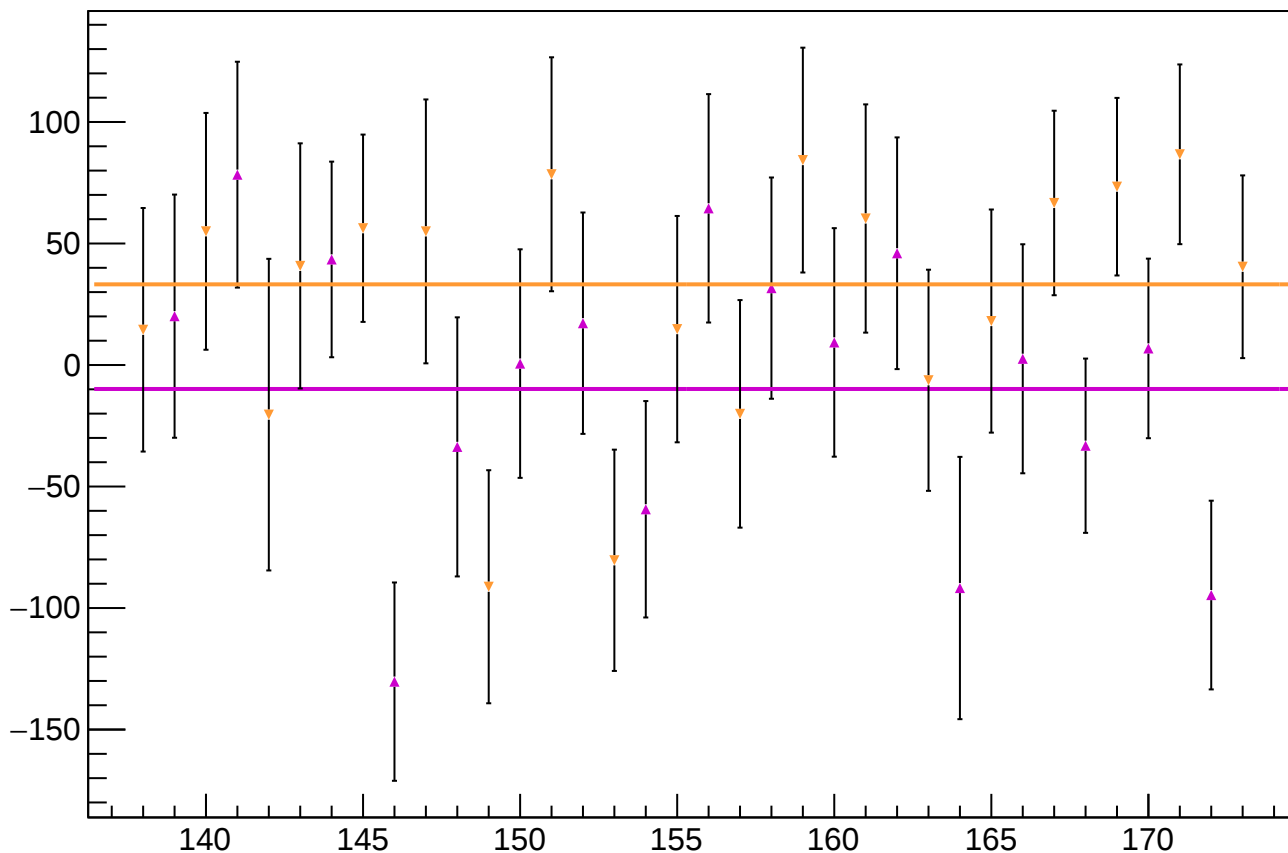
Left In: 353.400+/-0.070 χ^2/NDF :1009813.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 352.653+/-0.049 χ^2/NDF : 2339500.3/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 33.195 $\pm$ 10.263 χ^2 /NDF:23.4/18

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

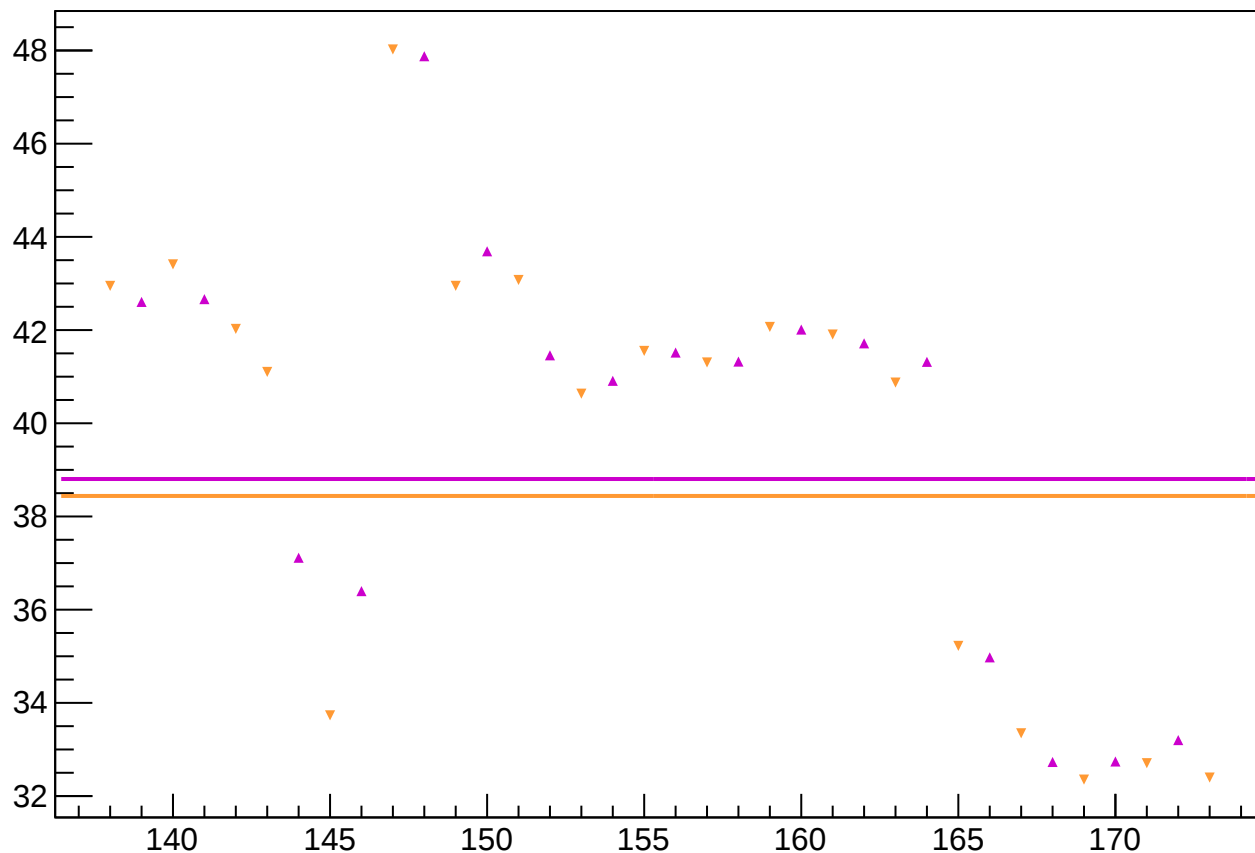
Left In: -9.858 $\pm$ 10.742 χ^2 /NDF:28.9/16

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

All: 12.650 $\pm$ 7.420 χ^2 /NDF: 60.7/35

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

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 38.440+/-0.007 χ^2/NDF : 428255.5/18

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

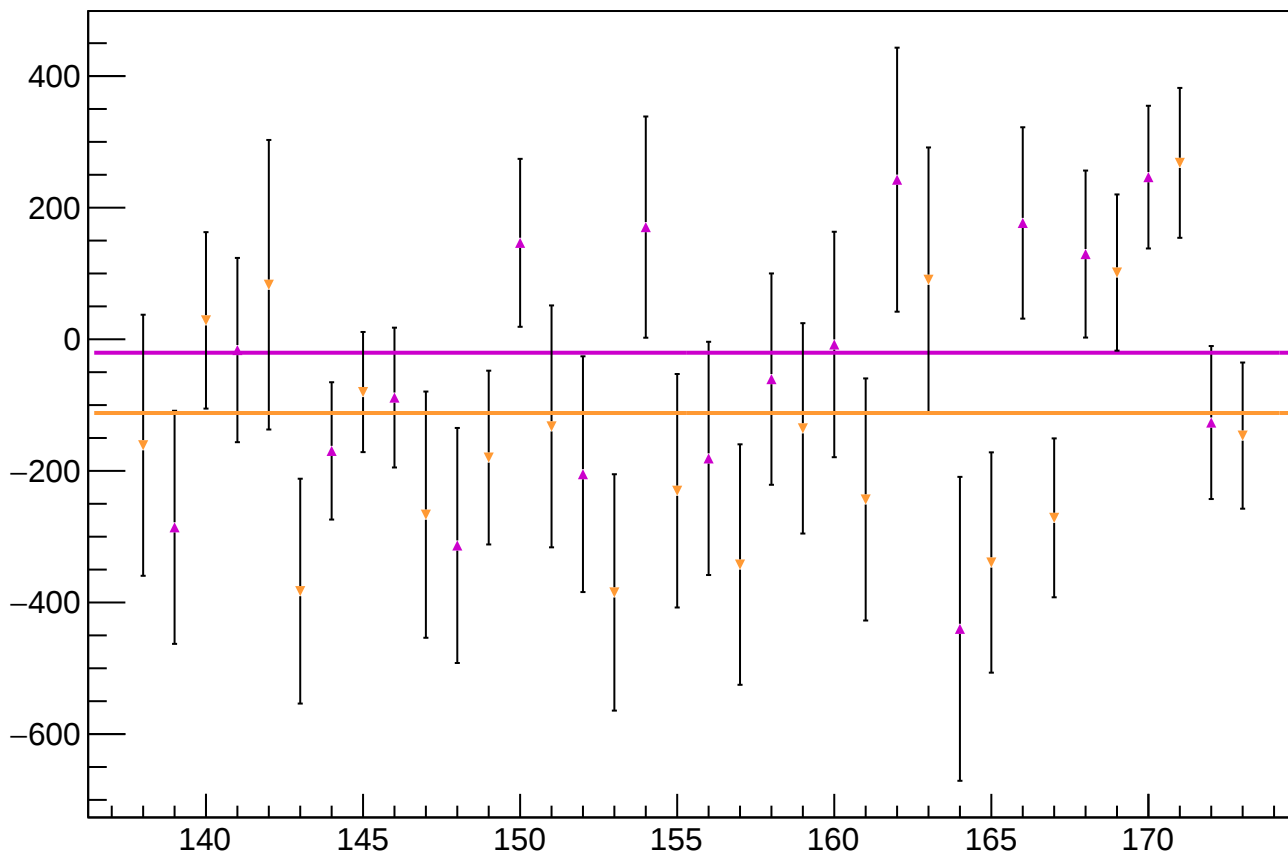
Left In: 38.804+/-0.008 χ^2/NDF : 326560.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 38.614+/-0.005 χ^2/NDF : 756014.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -112.031 $\pm$ 33.503 χ^2 /NDF:29.5/18

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

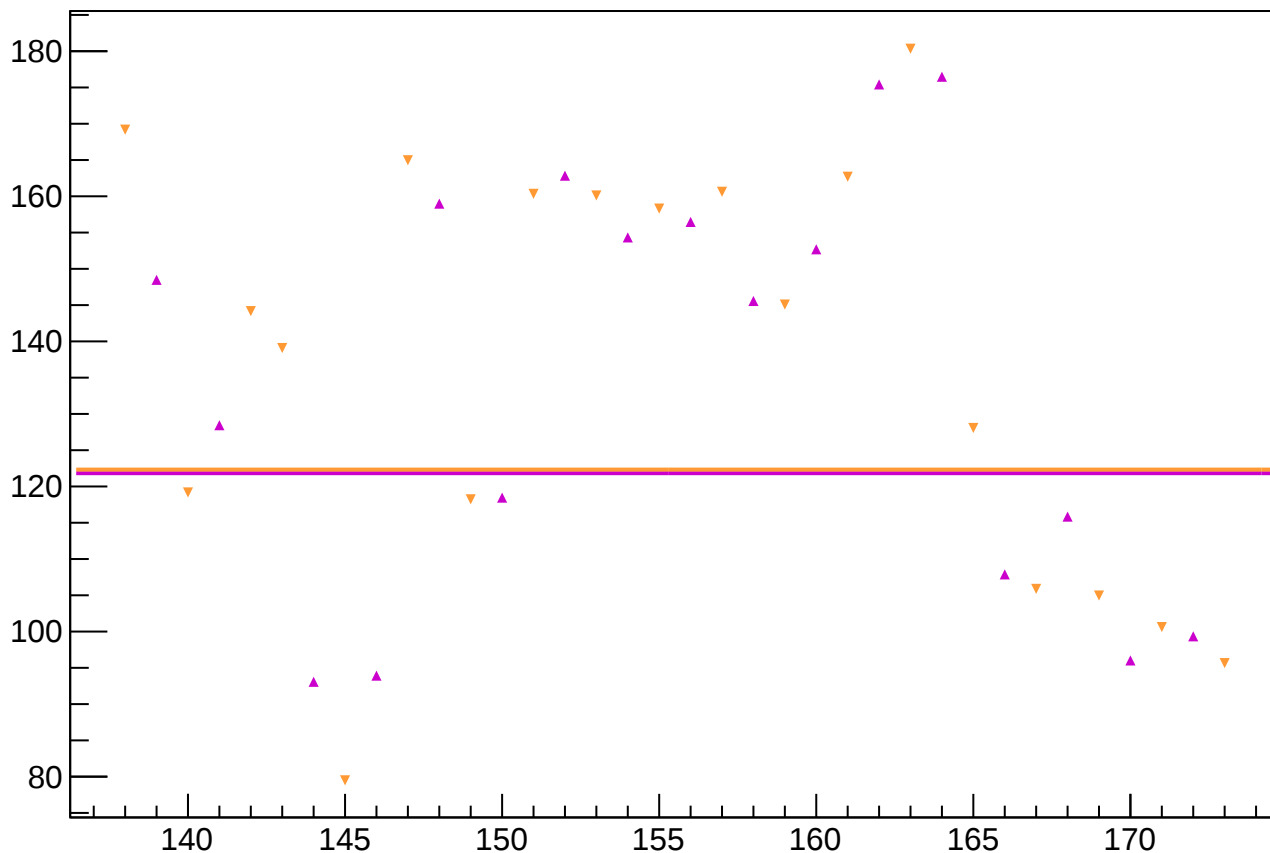
Left In: -20.438 $\pm$ 34.518 χ^2 /NDF:27.5/16

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

All: -67.601 $\pm$ 24.041 χ^2 /NDF: 60.6/35

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

asym_sam_37_26_dd_correction_rms vs Slug



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

Left Out: 122.327+/-0.024 χ^2/NDF : 1615383.0/18

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

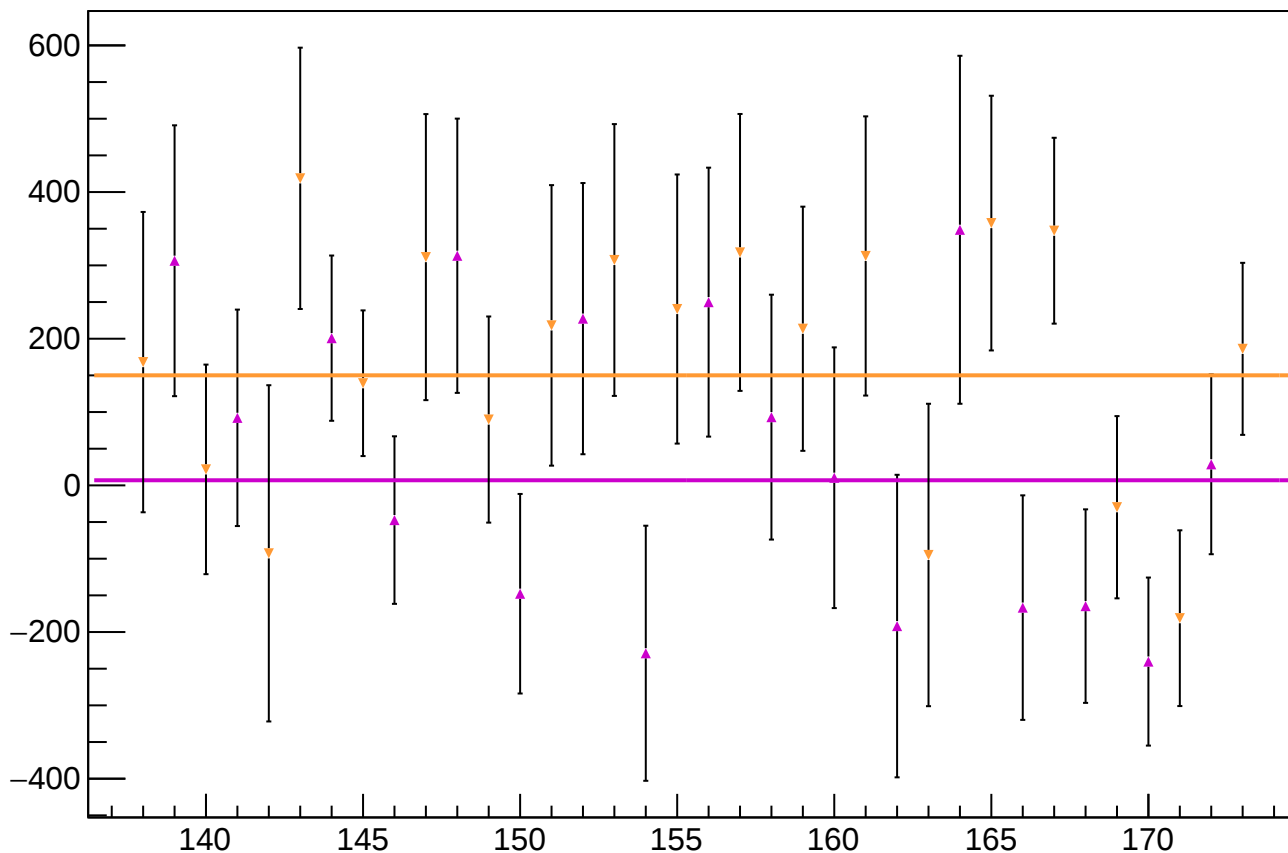
Left In: 121.832+/-0.024 χ^2/NDF : 1257806.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 122.087+/-0.017 χ^2/NDF : 2873401.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 150.082 $\pm$ 35.235 χ^2 /NDF:22.9/18

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

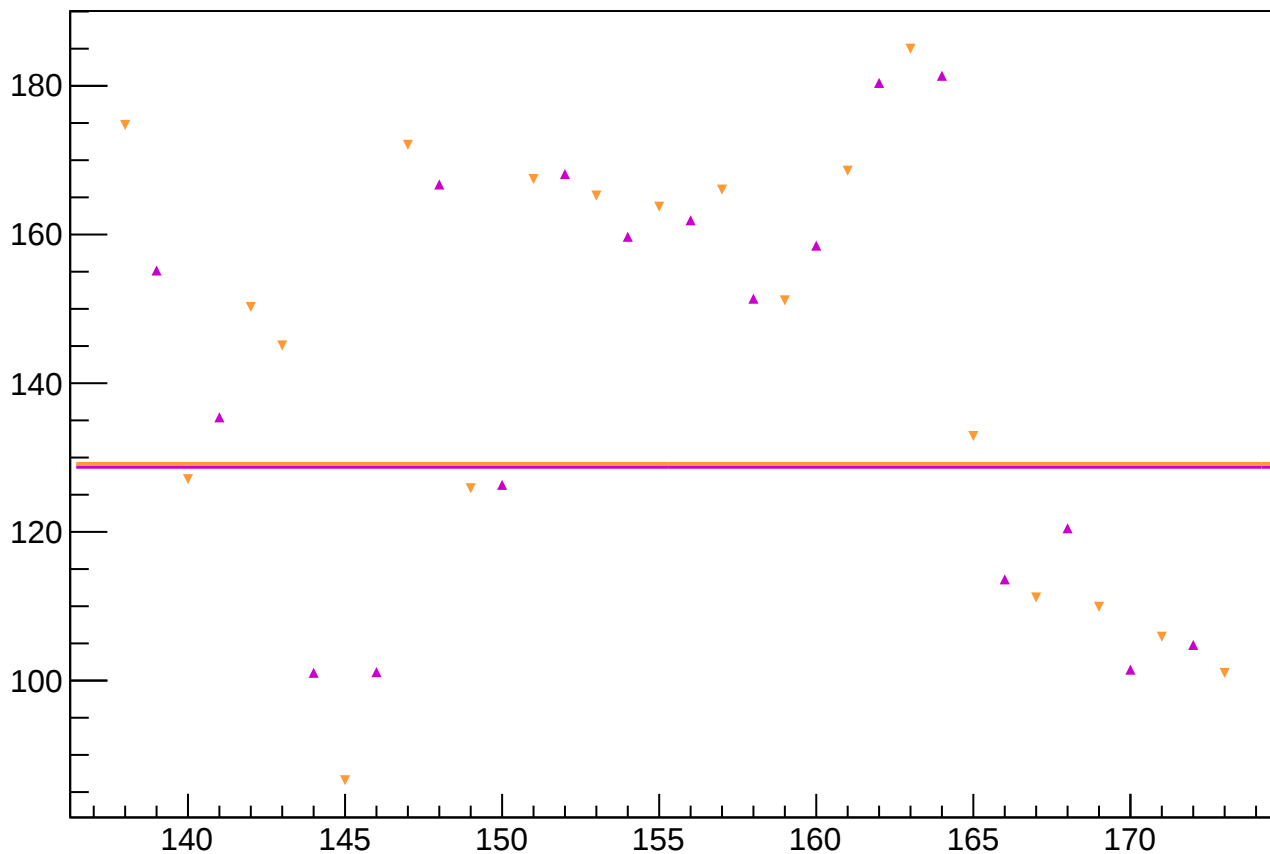
Left In: 6.968 $\pm$ 36.351 χ^2 /NDF:26.1/16

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

All: 80.755 $\pm$ 25.300 χ^2 /NDF: 57.0/35

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

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 129.135 +/- 0.025 χ^2/NDF : 1447781.4/18

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

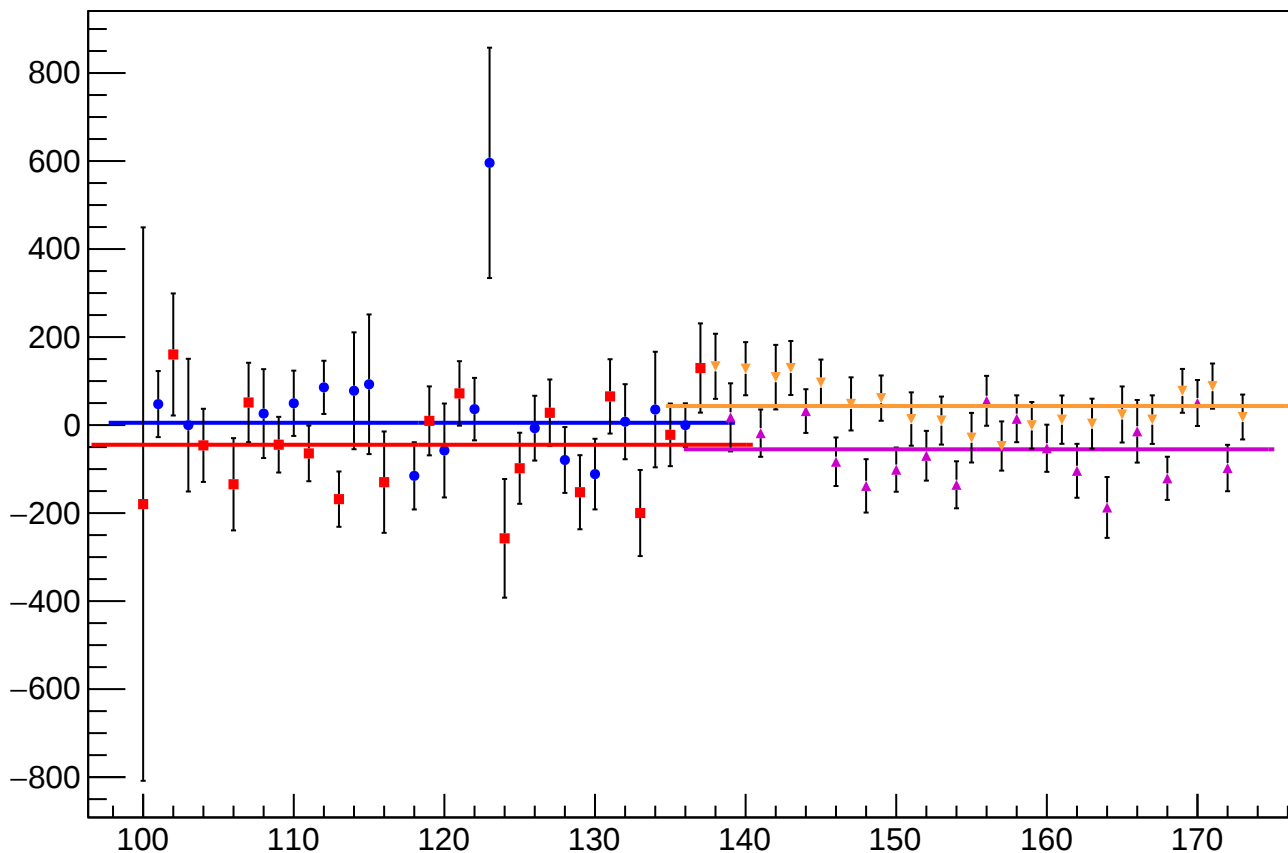
Left In: 128.763 +/- 0.026 χ^2/NDF : 1118803.0/16

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: 128.955 +/- 0.018 χ^2/NDF : 2566692.6/35

- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 43.256 ± 13.012 χ^2/NDF : 15.7/18

Right Out: -44.715 ± 19.410 χ^2/NDF : 24.4/18

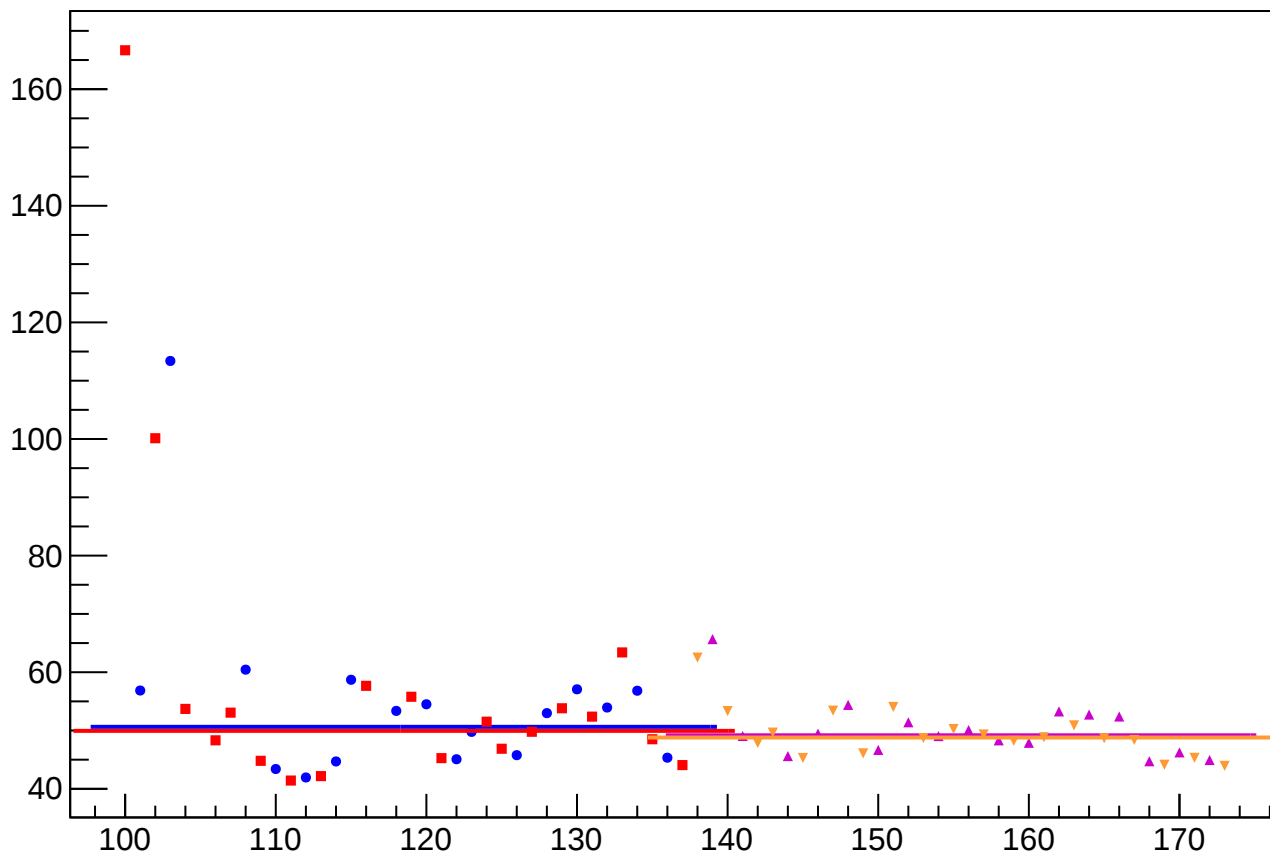
Left In: -55.086 ± 13.600 χ^2/NDF : 26.4/16

+ sign 32.063 ± 10.931 χ^2/NDF : 32.9/35

All: -9.019 ± 7.801 χ^2/NDF : 112.6/71

- sign -51.671 ± 11.138 χ^2/NDF : 50.9/35

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 48.802 $\pm$ 0.009 χ^2 /NDF: 171387.1/18

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

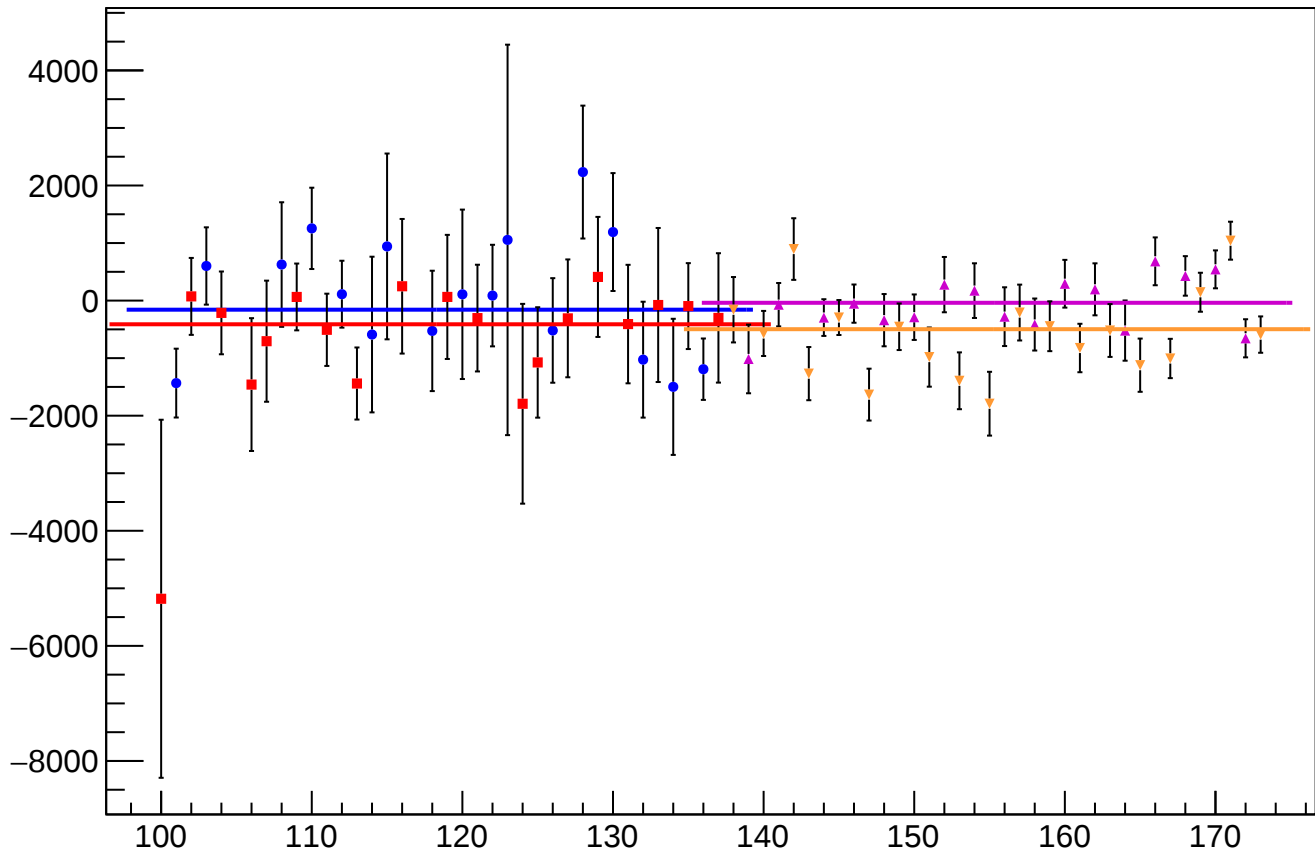
Left In: 49.181 $\pm$ 0.010 χ^2 /NDF: 180587.2/16

+ sign 49.341 $\pm$ 0.008 χ^2 /NDF: 702754.7/35

All: 49.386 $\pm$ 0.006 χ^2 /NDF: 1385964.5/71

- sign 49.432 $\pm$ 0.008 χ^2 /NDF: 683142.3/35

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -496.972 $\pm$ 94.517 χ^2 /NDF: 56.9/18

Right Out: -411.611 $\pm$ 203.633 χ^2 /NDF: 9.8/18

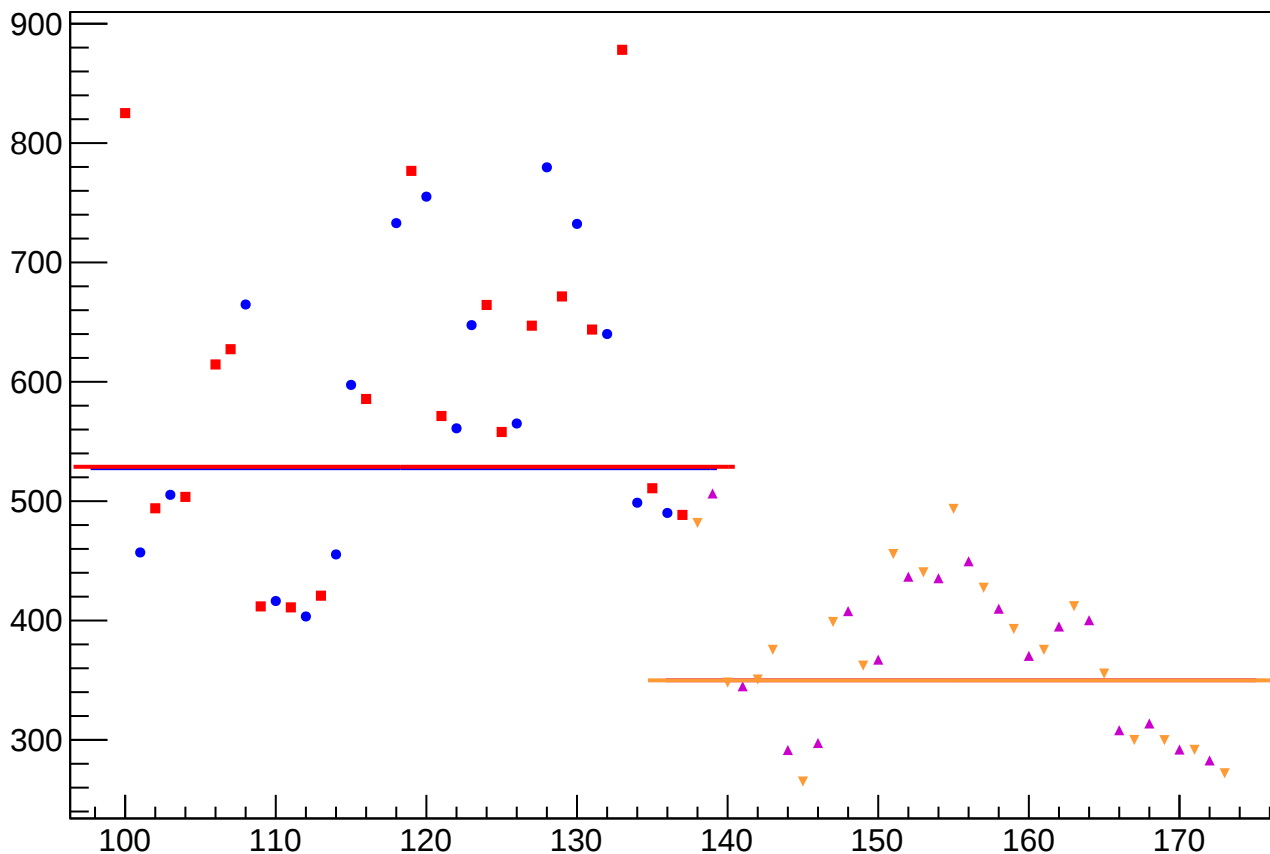
Left In: -38.239 $\pm$ 97.851 χ^2 /NDF: 18.9/16

+ sign -439.954 $\pm$ 86.202 χ^2 /NDF: 82.5/35

All: -277.910 $\pm$ 61.647 χ^2 /NDF: 121.1/71

- sign -108.279 $\pm$ 88.197 χ^2 /NDF: 31.4/35

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 349.883 $\pm$ 0.067 χ^2 /NDF: 966731.5/18

Right Out: 528.806 $\pm$ 0.144 χ^2 /NDF: 623364.6/18

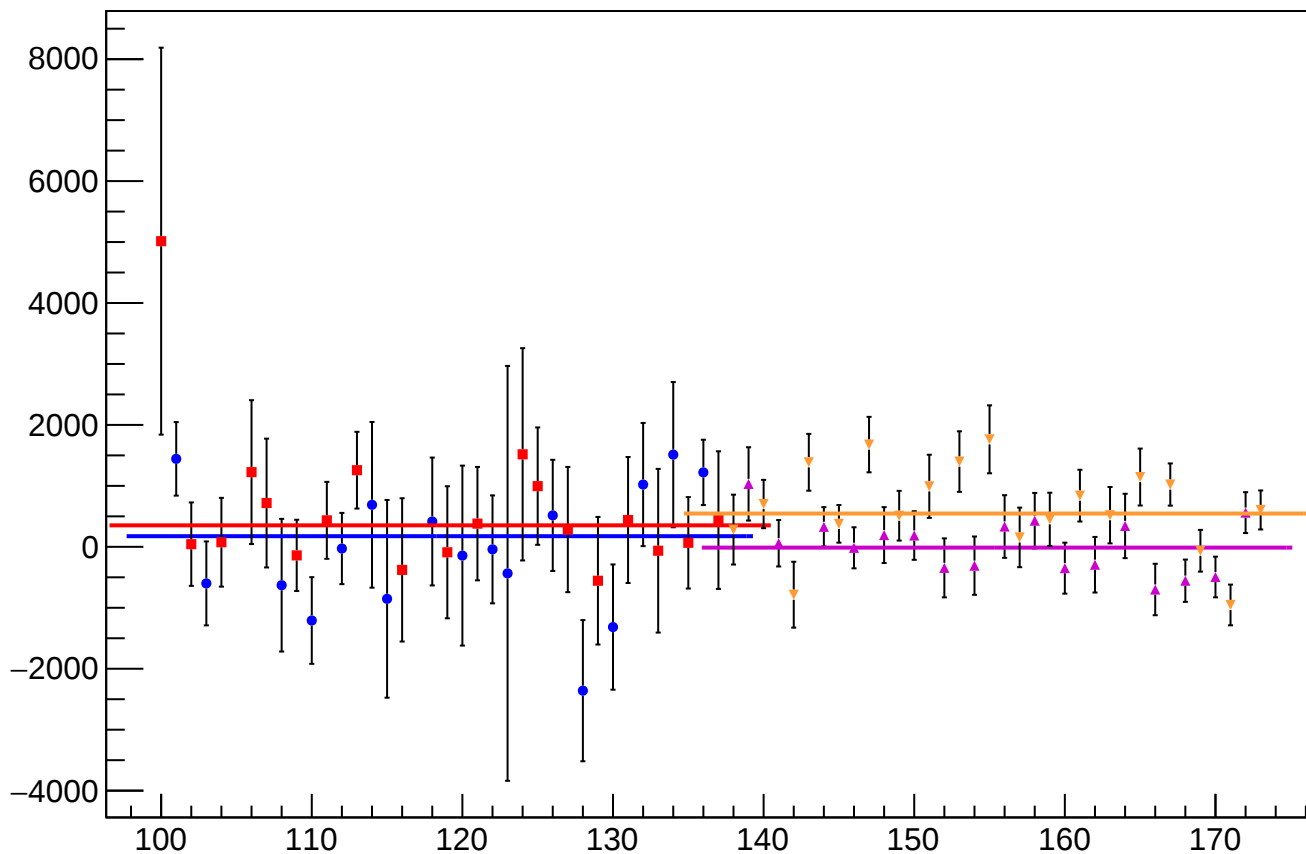
Left In: 349.993 $\pm$ 0.069 χ^2 /NDF: 763080.3/16

+ sign 379.787 $\pm$ 0.061 χ^2 /NDF: 2714365.2/35

All: 381.619 $\pm$ 0.044 χ^2 /NDF: 5355527.8/71

- sign 383.537 $\pm$ 0.062 χ^2 /NDF: 2639313.9/35

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 546.234 $\pm$ 95.498 χ^2 /NDF:52.7/18

Right Out: 352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

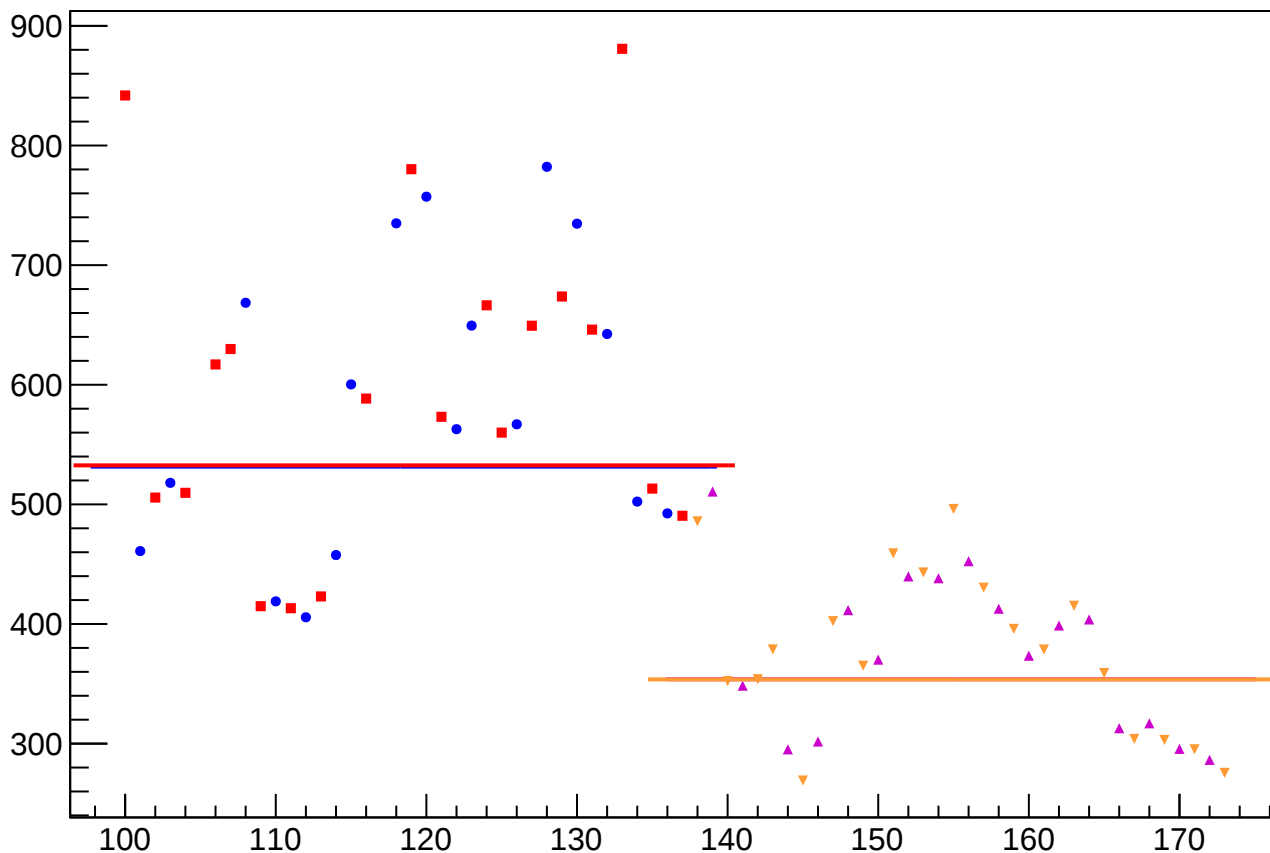
Left In: -12.922 $\pm$ 98.880 χ^2 /NDF:18.5/16

+ sign 483.379 $\pm$ 87.048 χ^2 /NDF: 79.0/35

All: 274.589 $\pm$ 62.258 χ^2 /NDF: 120.2/71

- sign 55.950 $\pm$ 89.078 χ^2 /NDF: 29.5/35

asym_sam_1357_avg_rms vs Slug



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 353.681 $\pm$ 0.068 χ^2 /NDF: 941207.1/18

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

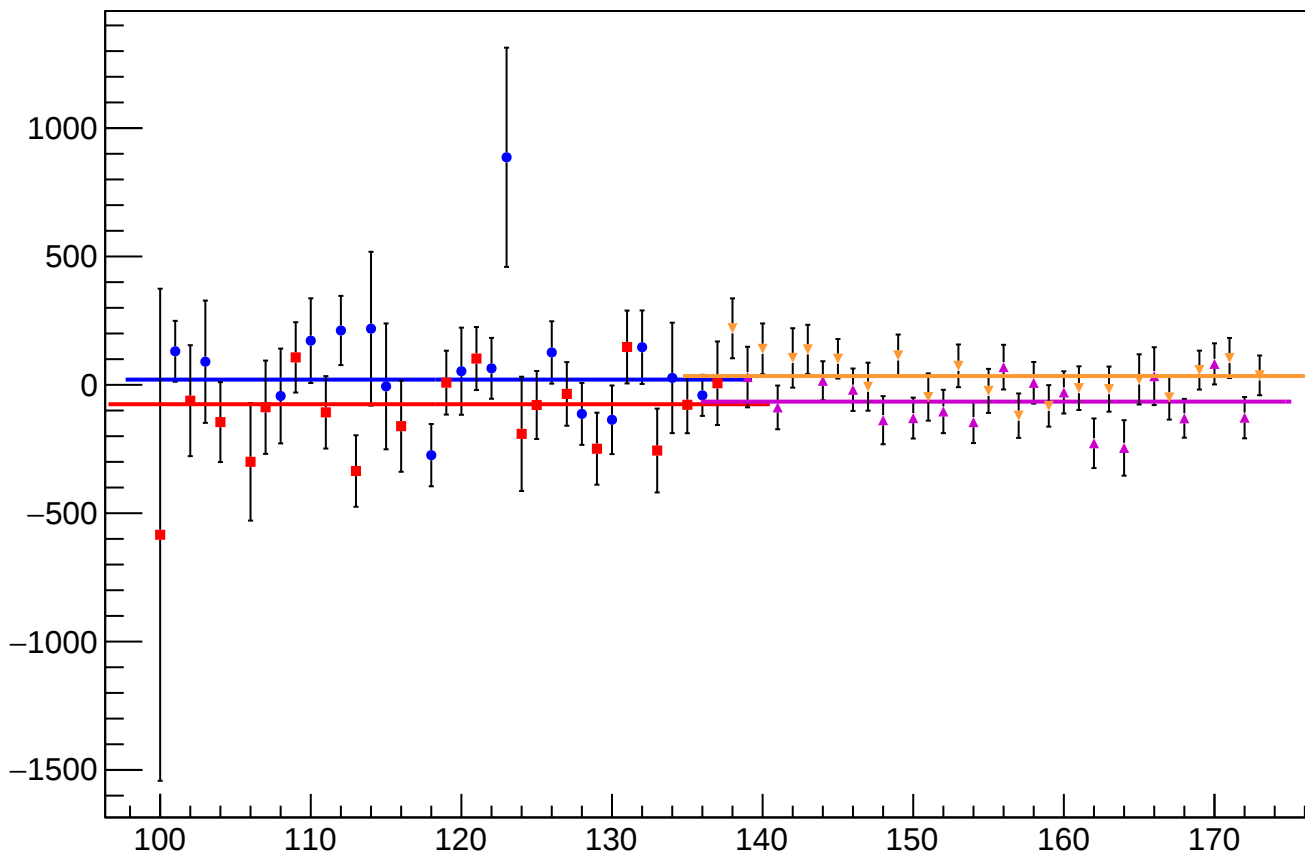
Left In: 353.828 $\pm$ 0.070 χ^2 /NDF: 742854.9/16

+ sign 383.766 $\pm$ 0.062 χ^2 /NDF: 2664825.7/35

All: 385.599 $\pm$ 0.044 χ^2 /NDF: 5257441.3/71

- sign 387.519 $\pm$ 0.063 χ^2 /NDF: 2590799.1/35

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441+/-34.583 χ^2/NDF : 19.3/16

Left Out: 34.304+/-20.036 χ^2/NDF : 16.4/18

Right Out: -75.454+/-34.698 χ^2/NDF : 15.4/18

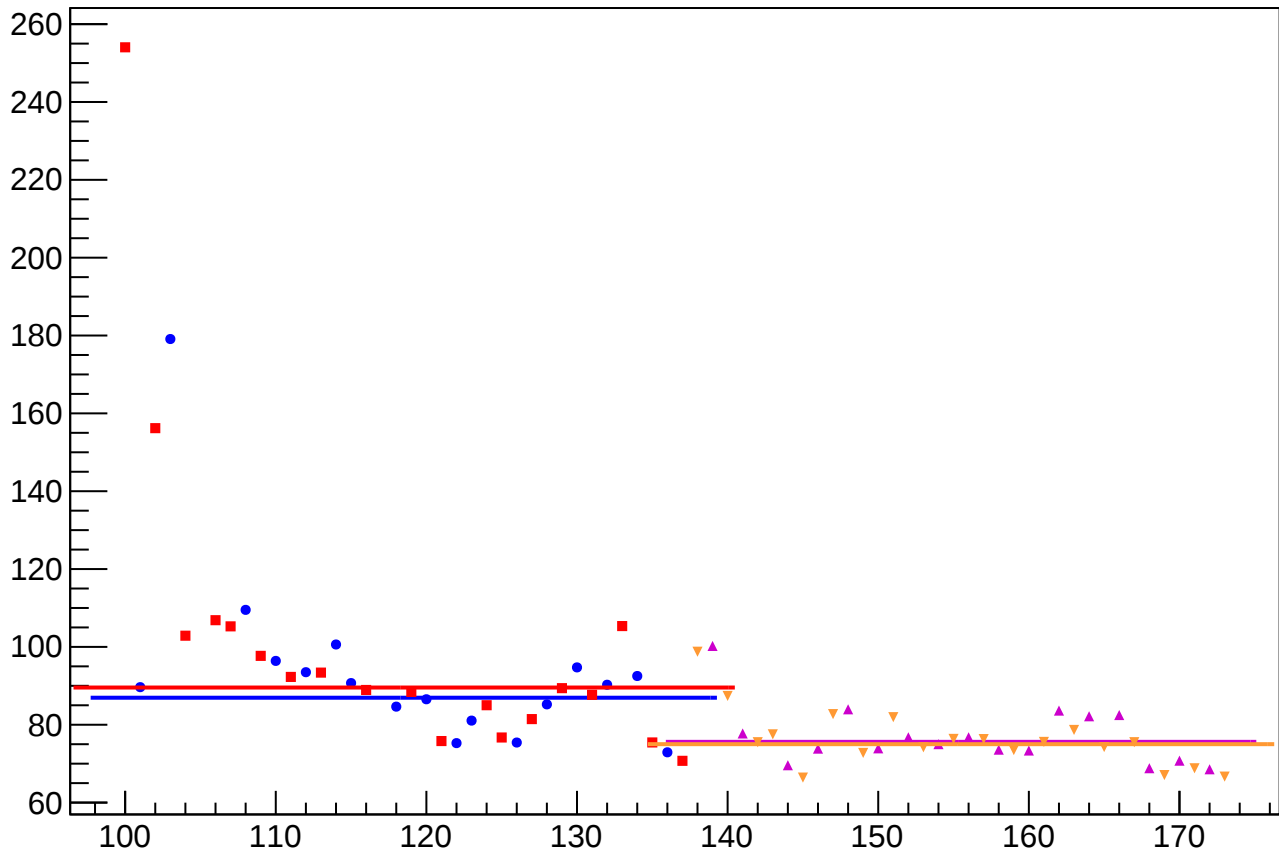
Left In: -65.323+/-20.939 χ^2/NDF : 19.1/16

+ sign 30.820+/-17.337 χ^2/NDF : 35.8/35

All: -16.948+/-12.462 χ^2/NDF : 86.0/71

- sign -68.028+/-17.927 χ^2/NDF : 34.5/35

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 75.008+/-0.014 χ^2/NDF : 230443.0/18

Right Out: 89.561+/-0.025 χ^2/NDF : 431229.7/18

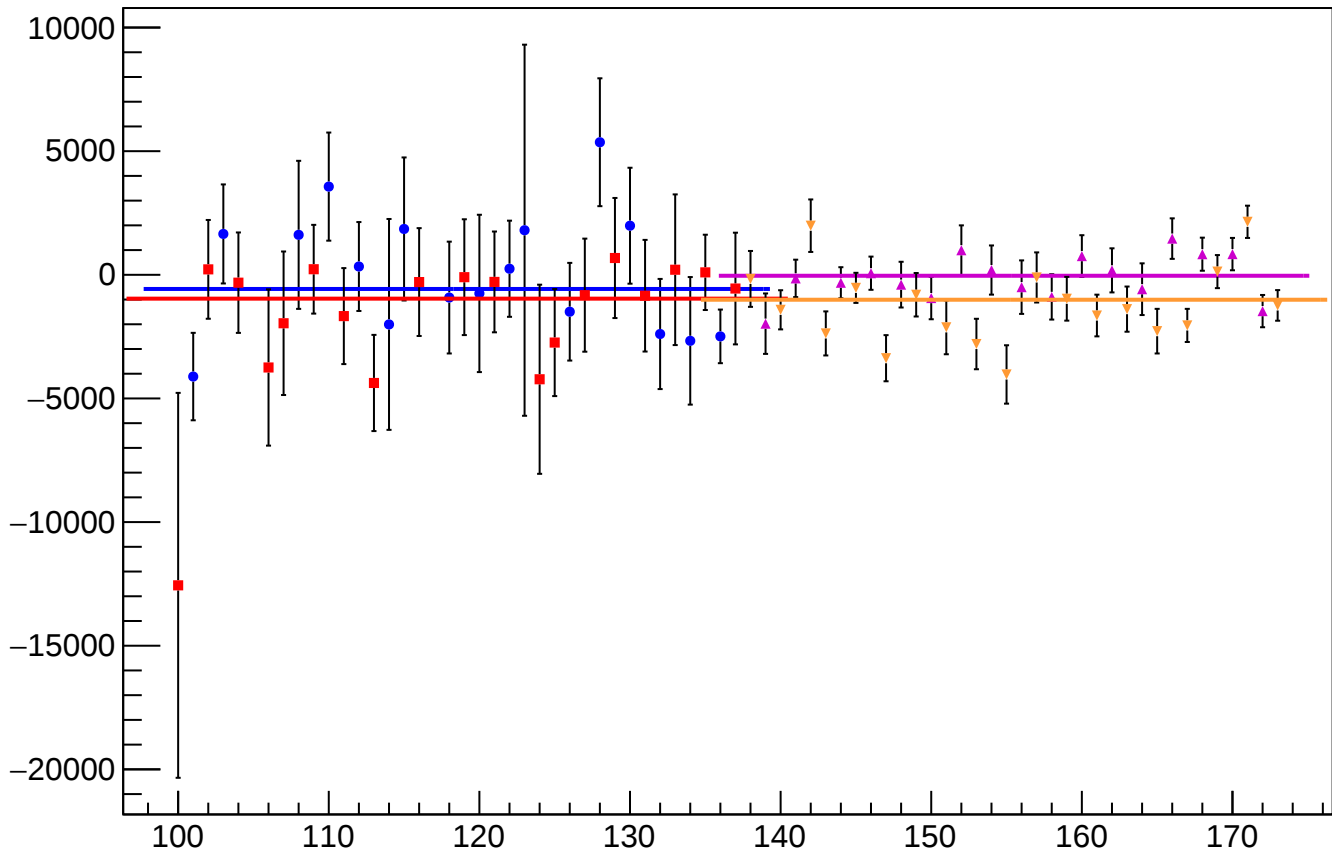
Left In: 75.605+/-0.015 χ^2/NDF : 189706.1/16

+ sign 78.008+/-0.012 χ^2/NDF : 864570.4/35

All: 78.647+/-0.009 χ^2/NDF : 1728296.8/71

- sign 79.331+/-0.013 χ^2/NDF : 858096.6/35

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1007.745 ± 190.021 χ^2/NDF : 61.2/18

Right Out: -963.846 ± 514.621 χ^2/NDF : 10.1/18

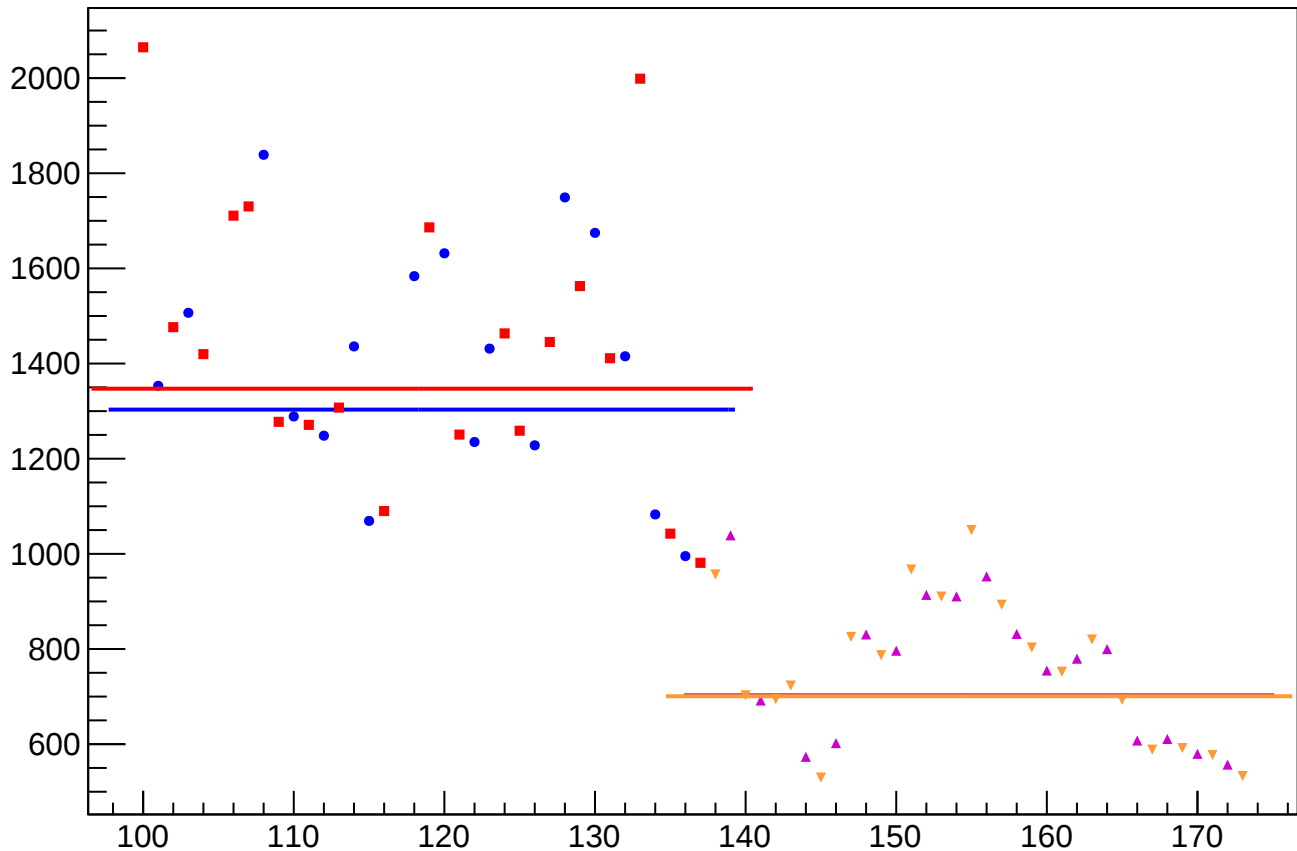
Left In: -38.395 ± 197.159 χ^2/NDF : 19.0/16

+ sign -955.930 ± 178.357 χ^2/NDF : 83.7/35

All: -569.067 ± 128.103 χ^2/NDF : 125.3/71

- sign -156.844 ± 184.110 χ^2/NDF : 31.9/35

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 700.684+/-0.134 χ^2/NDF : 1164236.5/18

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

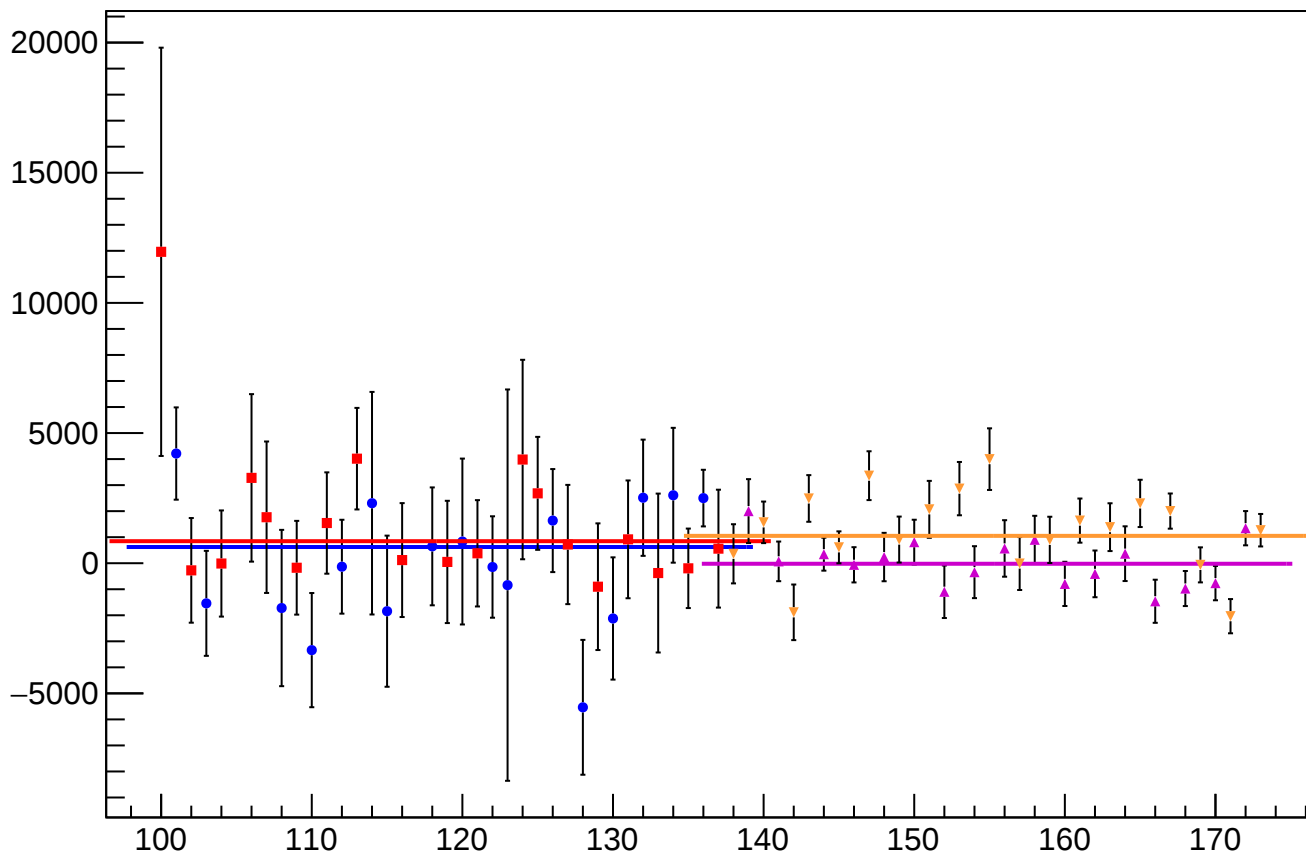
Left In: 702.752+/-0.139 χ^2/NDF : 939958.2/16

+ sign 772.386+/-0.126 χ^2/NDF : 4009111.3/35

All: 778.606+/-0.091 χ^2/NDF : 8109632.1/71

- sign 785.233+/-0.130 χ^2/NDF : 4095497.6/35

asym_sam_2468_avg_mean vs Slug



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 1050.978+/-191.209 χ^2/NDF : 58.2/18

Right Out: 846.021+/-516.325 χ^2/NDF : 9.1/18

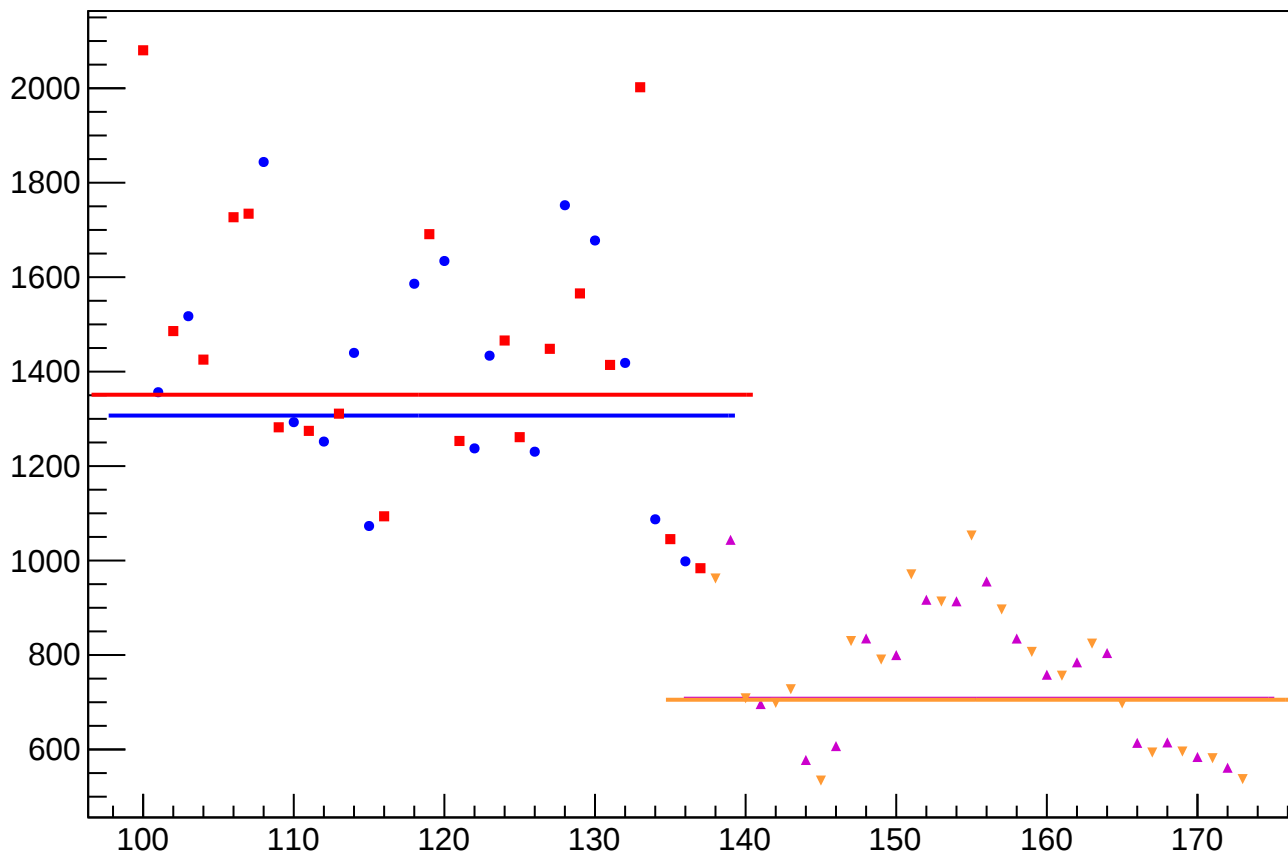
Left In: -21.071+/-198.415 χ^2/NDF : 18.4/16

+ sign 999.672+/-179.399 χ^2/NDF : 80.8/35

All: 559.574+/-128.860 χ^2/NDF : 123.1/71

- sign 90.500+/-185.211 χ^2/NDF : 29.9/35

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 705.291 $\pm$ 0.135 χ^2 /NDF:1147044.8/18

Right Out: 1351.096 $\pm$ 0.365 χ^2 /NDF: 421804.6/18

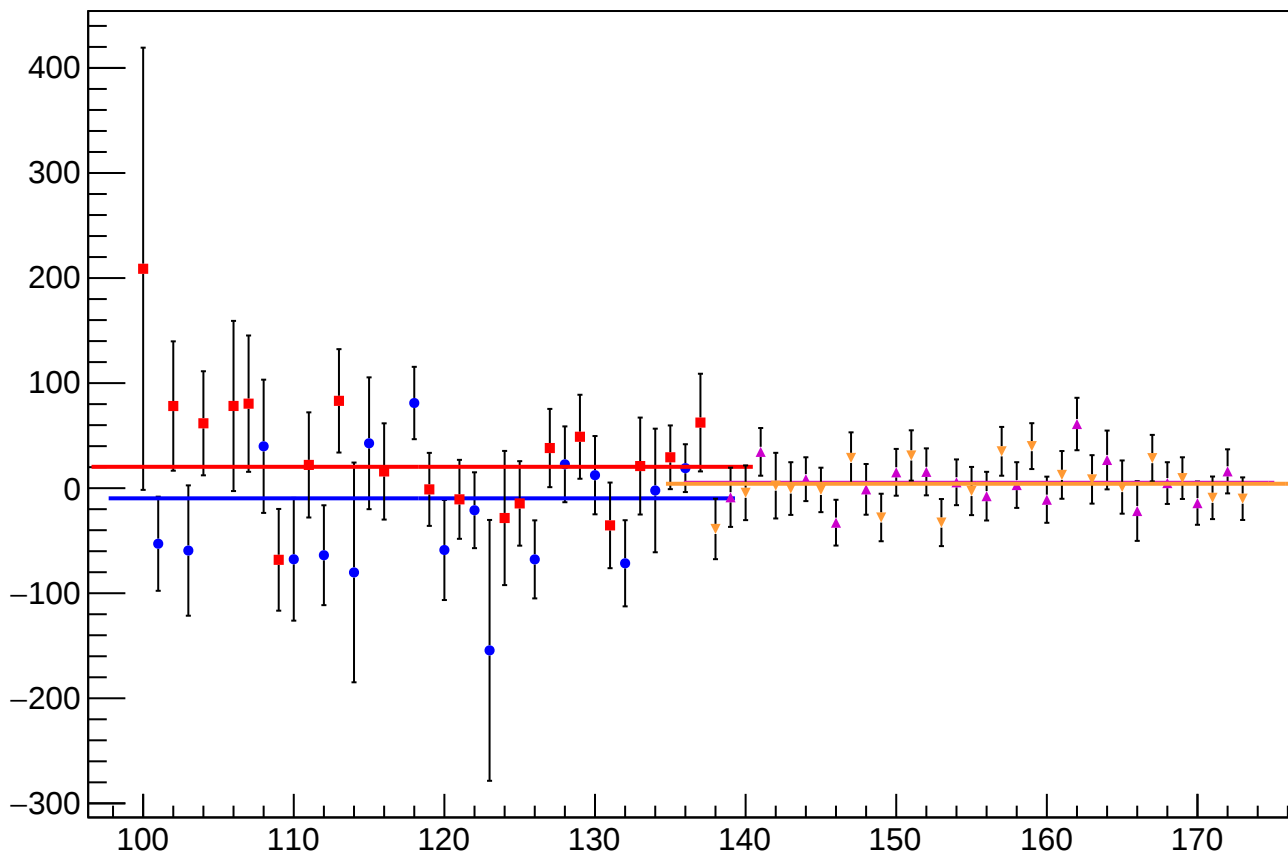
Left In: 707.453 $\pm$ 0.140 χ^2 /NDF:924771.8/16

+ sign 777.322 $\pm$ 0.127 χ^2 /NDF: 3969109.1/35

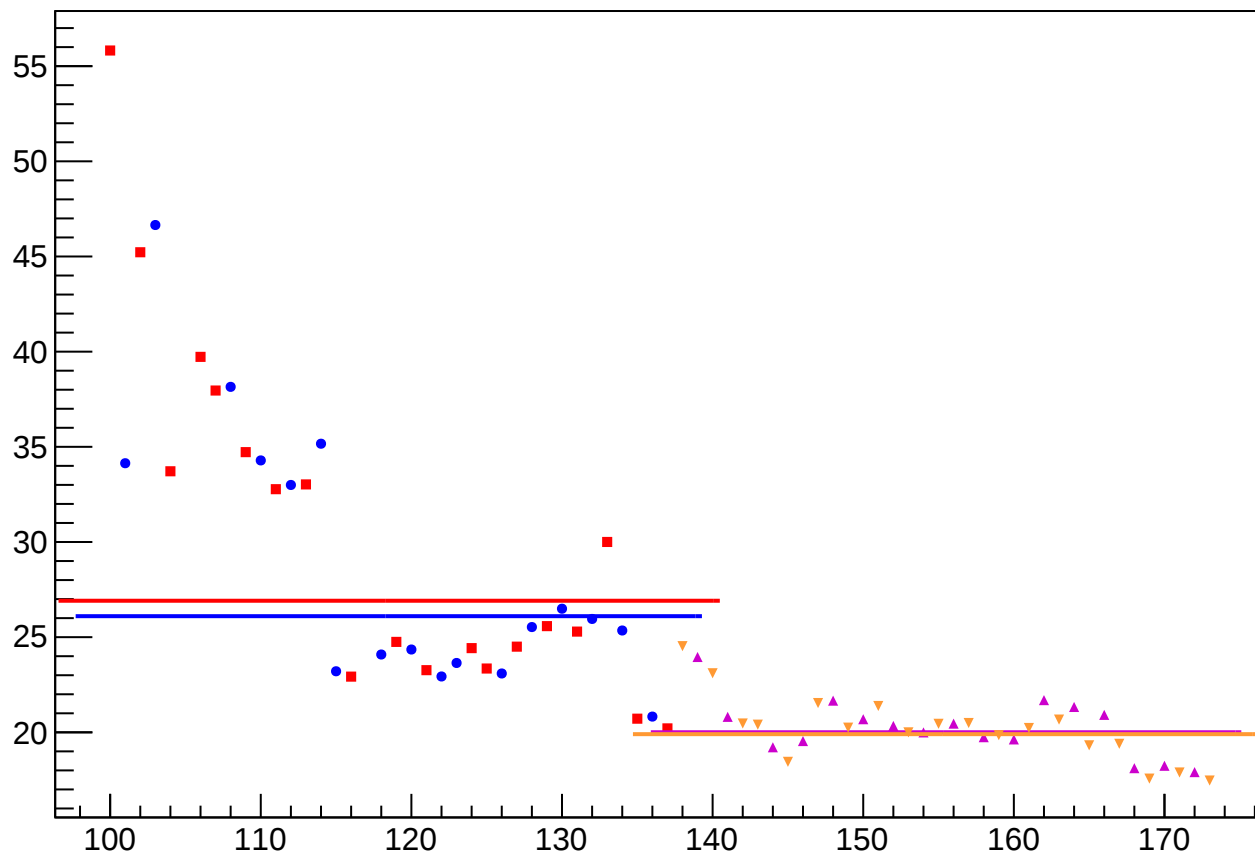
All: 783.591 $\pm$ 0.091 χ^2 /NDF: 8028774.6/71

- sign 790.273 $\pm$ 0.131 χ^2 /NDF: 4054620.3/35

reg_asym_sam_1357_2468_dd_mean vs Slug



reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 19.904+/-0.004 χ^2/NDF : 193331.6/18

Right Out: 26.914+/-0.007 χ^2/NDF : 678970.2/18

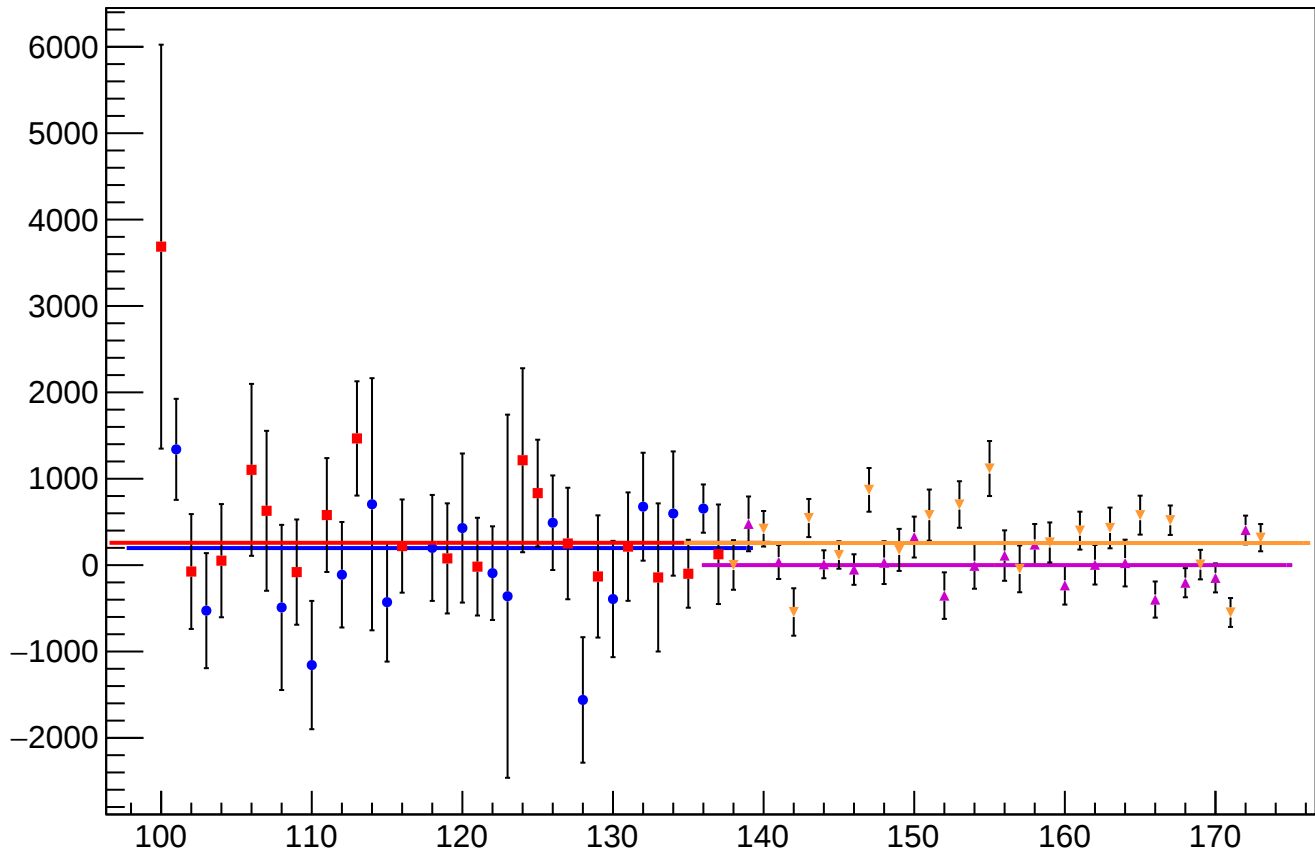
Left In: 20.005+/-0.004 χ^2/NDF : 127421.9/16

+ sign 21.181+/-0.003 χ^2/NDF : 1360626.9/35

All: 21.342+/-0.002 χ^2/NDF : 2855840.3/71

- sign 21.515+/-0.003 χ^2/NDF : 1490381.7/35

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 255.950 ± 49.266 χ^2/NDF : 61.7/18

Right Out: 258.537 ± 149.867 χ^2/NDF : 10.7/18

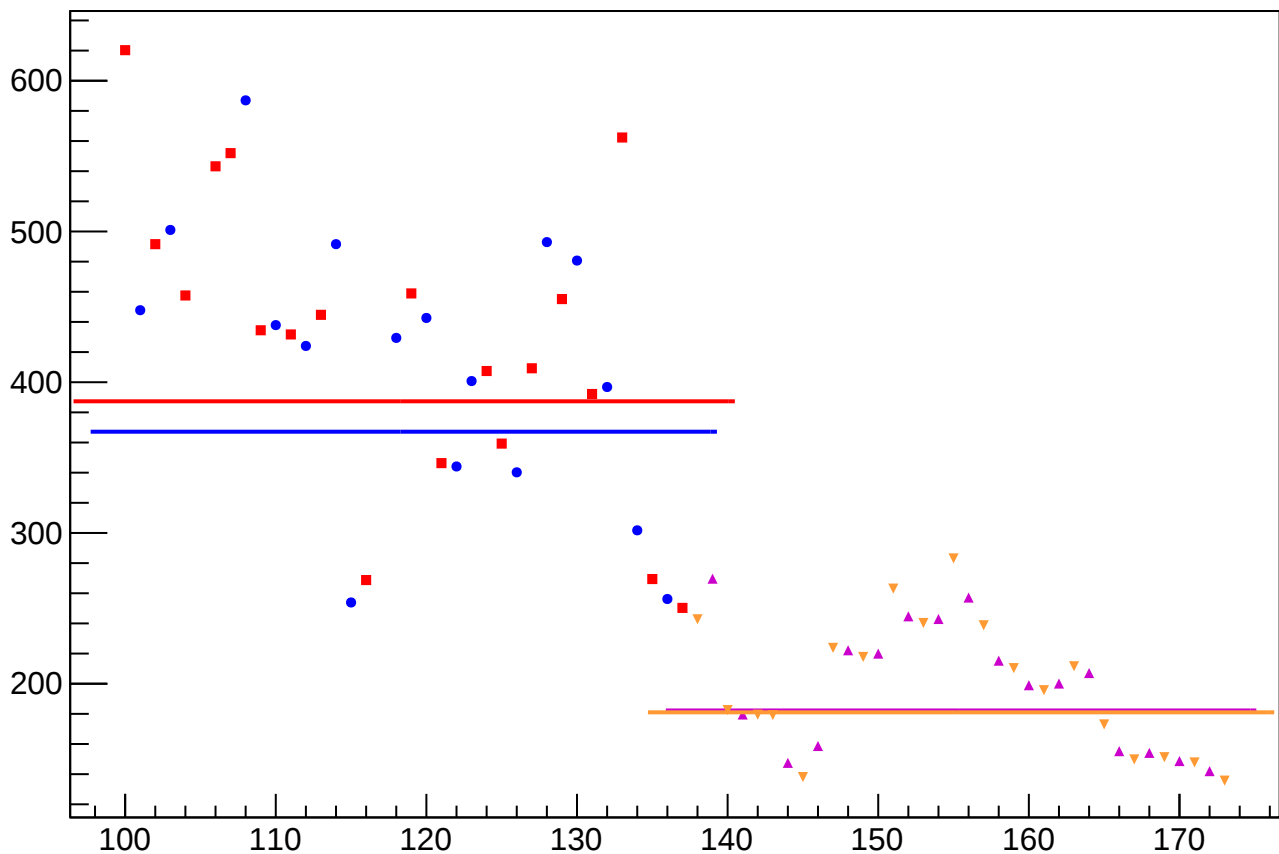
Left In: 0.366 ± 51.287 χ^2/NDF : 20.1/16

+ sign 250.094 ± 46.740 χ^2/NDF : 82.8/35

All: 142.932 ± 33.663 χ^2/NDF : 127.2/71

- sign 27.432 ± 48.525 χ^2/NDF : 33.4/35

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 181.021 $\pm$ 0.035 χ^2 /NDF:1337661.1/18

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

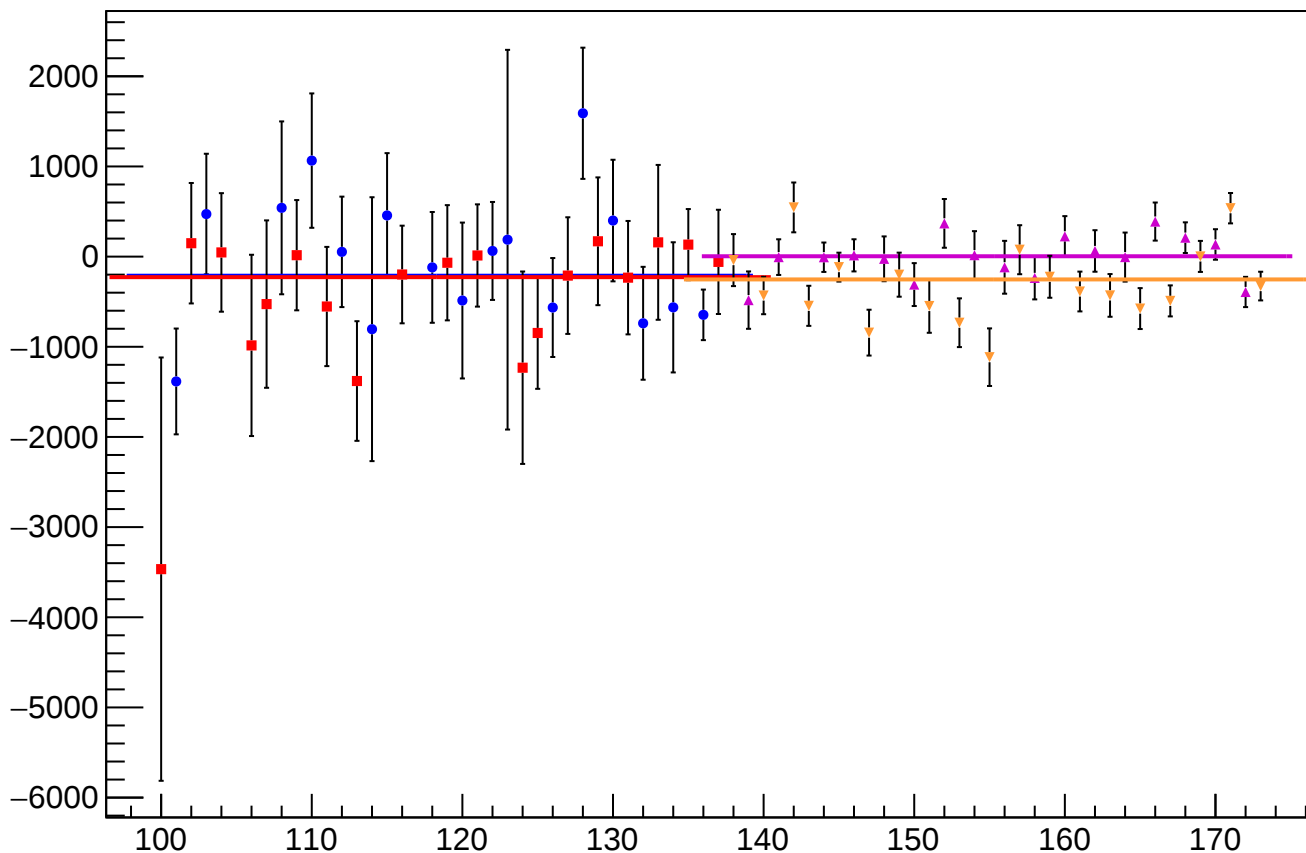
Left In: 182.253 $\pm$ 0.036 χ^2 /NDF:1091695.1/16

+ sign 199.618 $\pm$ 0.033 χ^2 /NDF: 5017486.5/35

All: 201.608 $\pm$ 0.024 χ^2 /NDF: 10244118.1/73

- sign 203.754 $\pm$ 0.034 χ^2 /NDF: 5219093.0/35

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -253.018 ± 49.588 χ^2/NDF : 59.8/18

Right Out: -227.831 ± 150.317 χ^2/NDF : 10.1/18

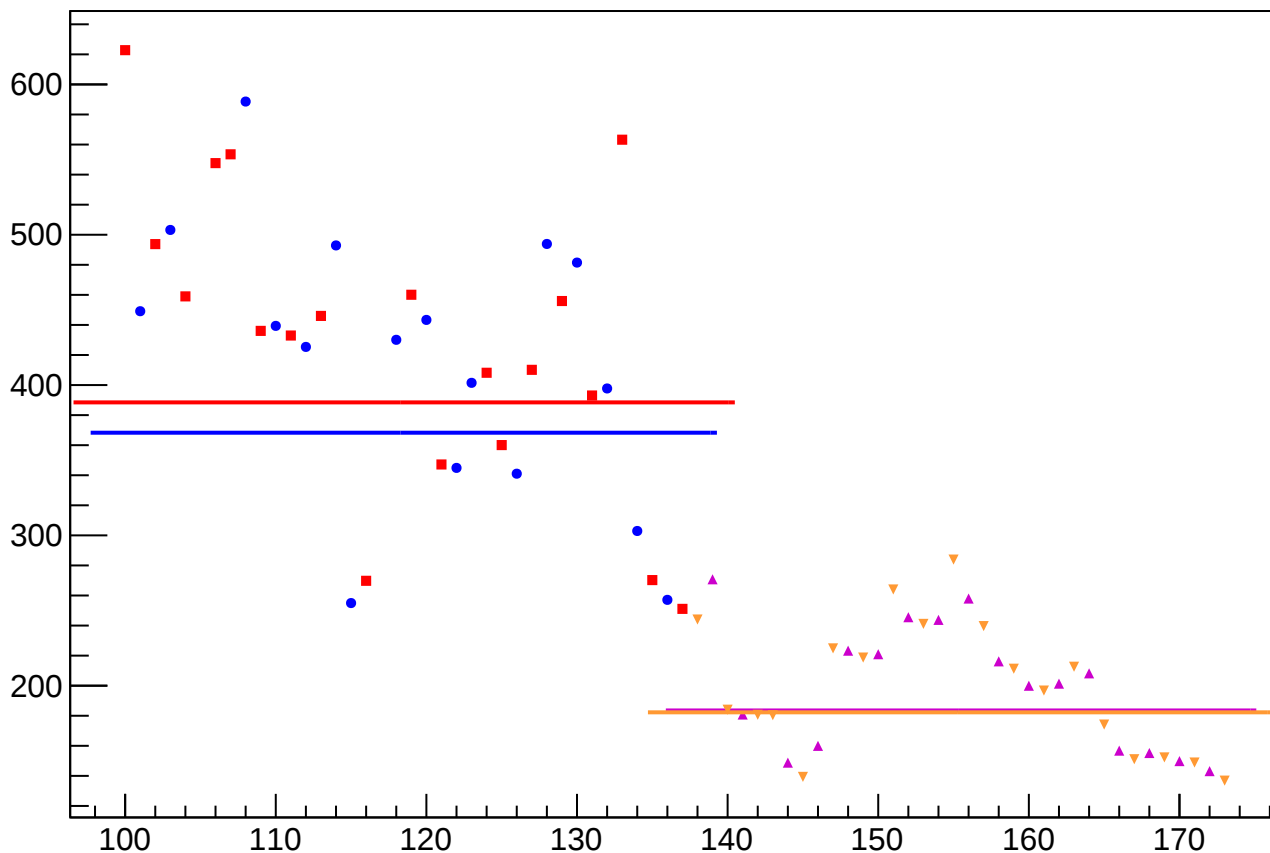
Left In: 4.037 ± 51.624 χ^2/NDF : 19.1/16

+ sign -248.880 ± 47.029 χ^2/NDF : 80.8/35

All: -138.933 ± 33.872 χ^2/NDF : 123.5/71

- sign -20.426 ± 48.825 χ^2/NDF : 31.3/35

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 182.280 $\pm$ 0.035 χ^2 /NDF:1317164.5/18

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

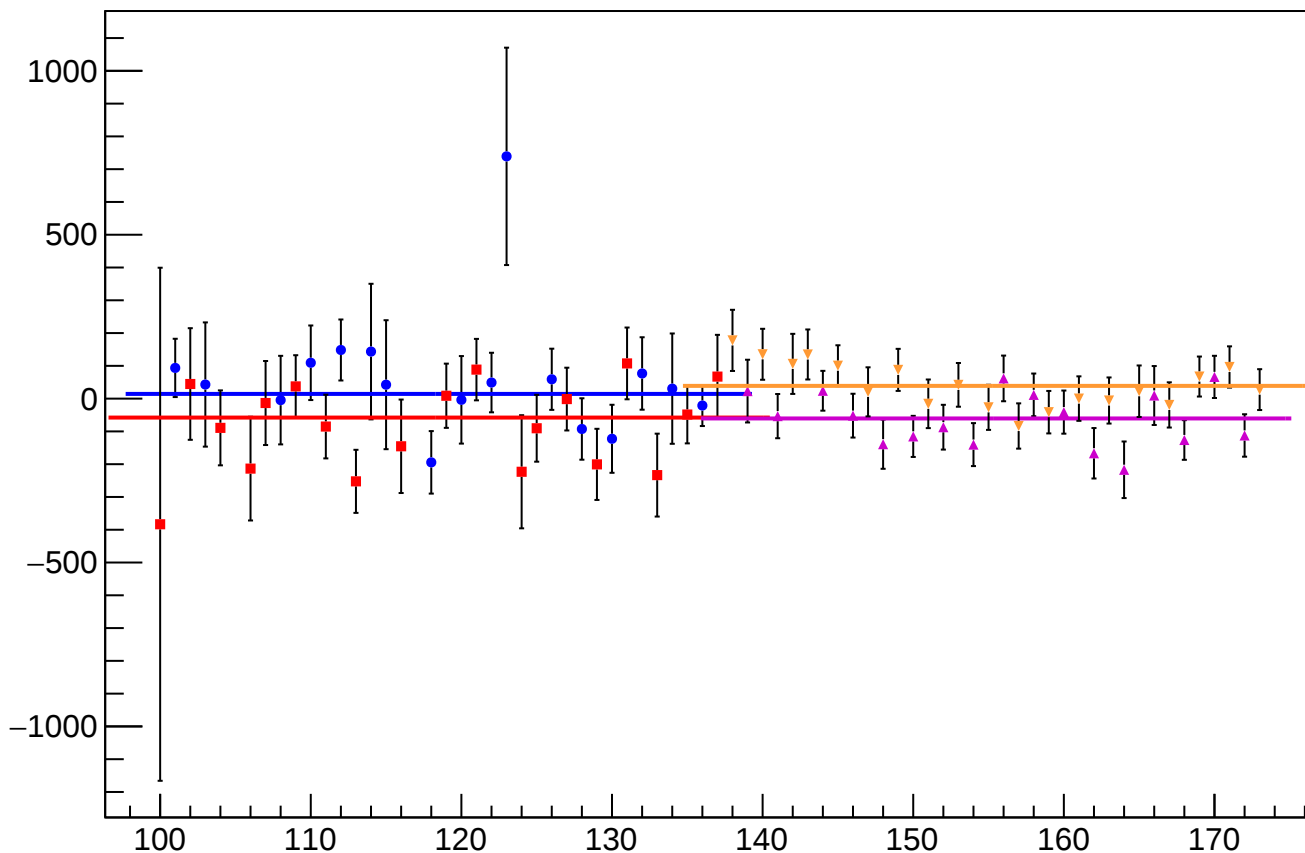
Left In: 183.524 $\pm$ 0.037 χ^2 /NDF:1073335.6/16

+ sign 200.984 $\pm$ 0.033 χ^2 /NDF: 4971607.7/35

All: 202.988 $\pm$ 0.024 χ^2 /NDF: 10152889.8/73

- sign 205.148 $\pm$ 0.035 χ^2 /NDF: 5173736.2/35

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 $\pm$ 26.334 χ^2/NDF : 17.7/16

Left Out: -57.795 $\pm$ 26.121 χ^2/NDF :16.2/18

Right Out: -57.795 $\pm$ 26.121 χ^2/NDF : 18.4/18

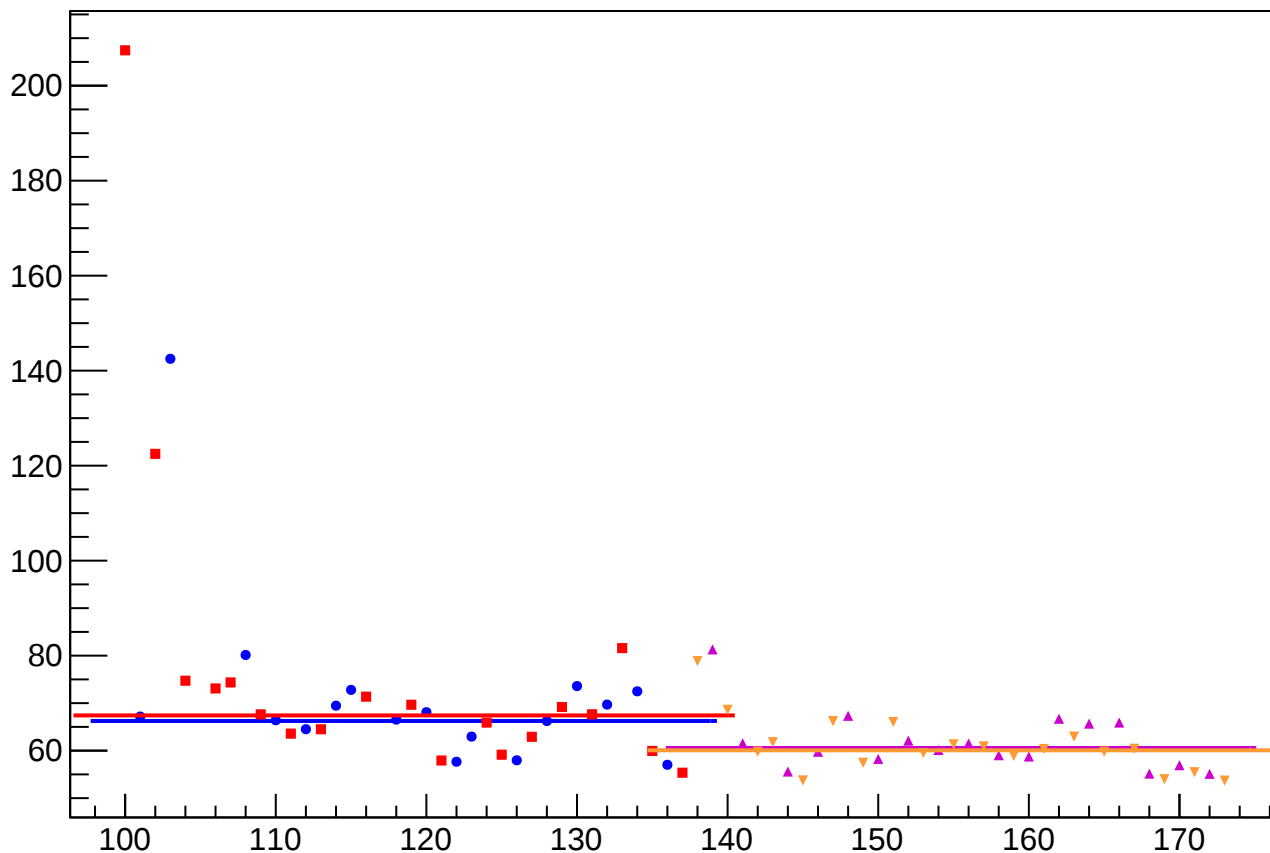
Left In: -60.498 $\pm$ 16.768 χ^2/NDF :22.1/16

+ sign 32.265 $\pm$ 13.699 χ^2/NDF : 34.5/35

All: -12.361 $\pm$ 9.829 χ^2/NDF : 96.9/71

- sign -59.709 $\pm$ 14.111 χ^2/NDF : 40.5/35

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247 $\pm$ 0.019 χ^2 /NDF: 440944.2/16

Left Out: 60.070 $\pm$ 0.011 χ^2 /NDF: 213614.2/18

Right Out: 67.415 $\pm$ 0.018 χ^2 /NDF: 393608.5/18

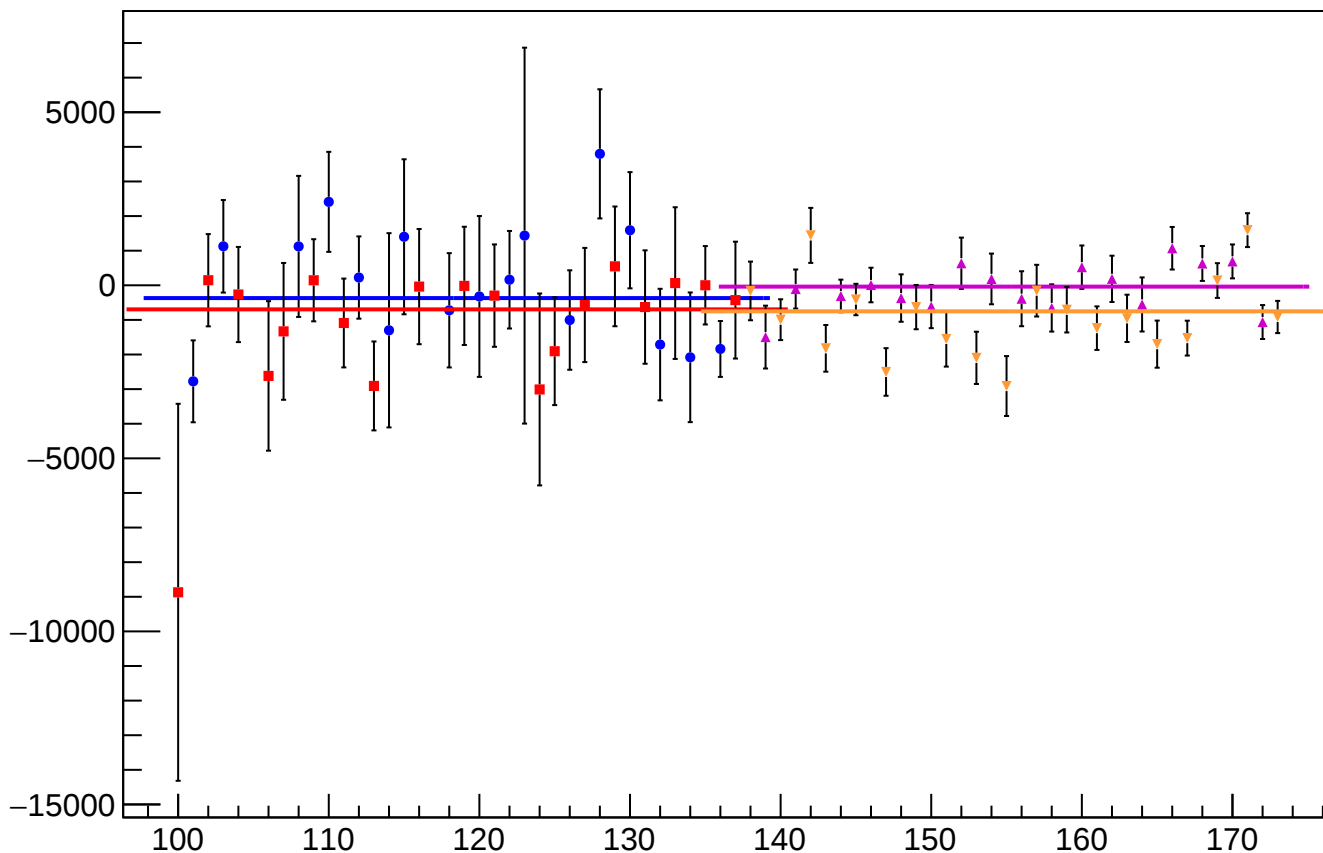
Left In: 60.557 $\pm$ 0.012 χ^2 /NDF: 194495.9/16

+ sign 61.742 $\pm$ 0.010 χ^2 /NDF: 734815.5/35

All: 62.138 $\pm$ 0.007 χ^2 /NDF: 1423991.7/71

- sign 62.559 $\pm$ 0.010 χ^2 /NDF: 685726.6/35

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 ± 366.432 χ^2/NDF : 22.3/16

Left Out: -752.194 ± 141.761 χ^2/NDF : 60.2/18

Right Out: -695.425 ± 361.887 χ^2/NDF : 9.9/18

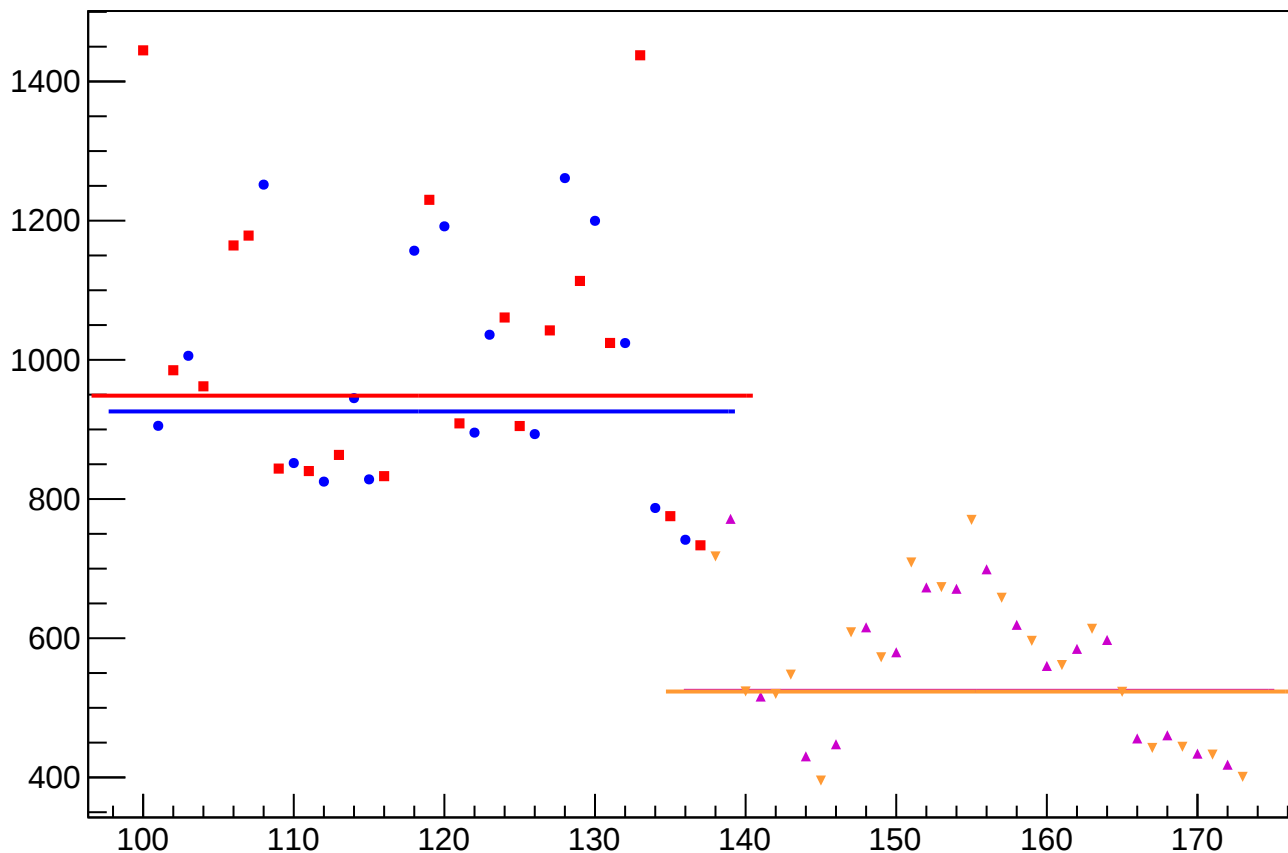
Left In: -38.512 ± 146.959 χ^2/NDF : 18.9/16

+ sign -702.380 ± 132.212 χ^2/NDF : 83.4/35

All: -425.339 ± 94.853 χ^2/NDF : 124.1/71

- sign -131.507 ± 136.160 χ^2/NDF : 31.6/35

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 523.415 $\pm$ 0.100 χ^2 /NDF: 1099057.6/18

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

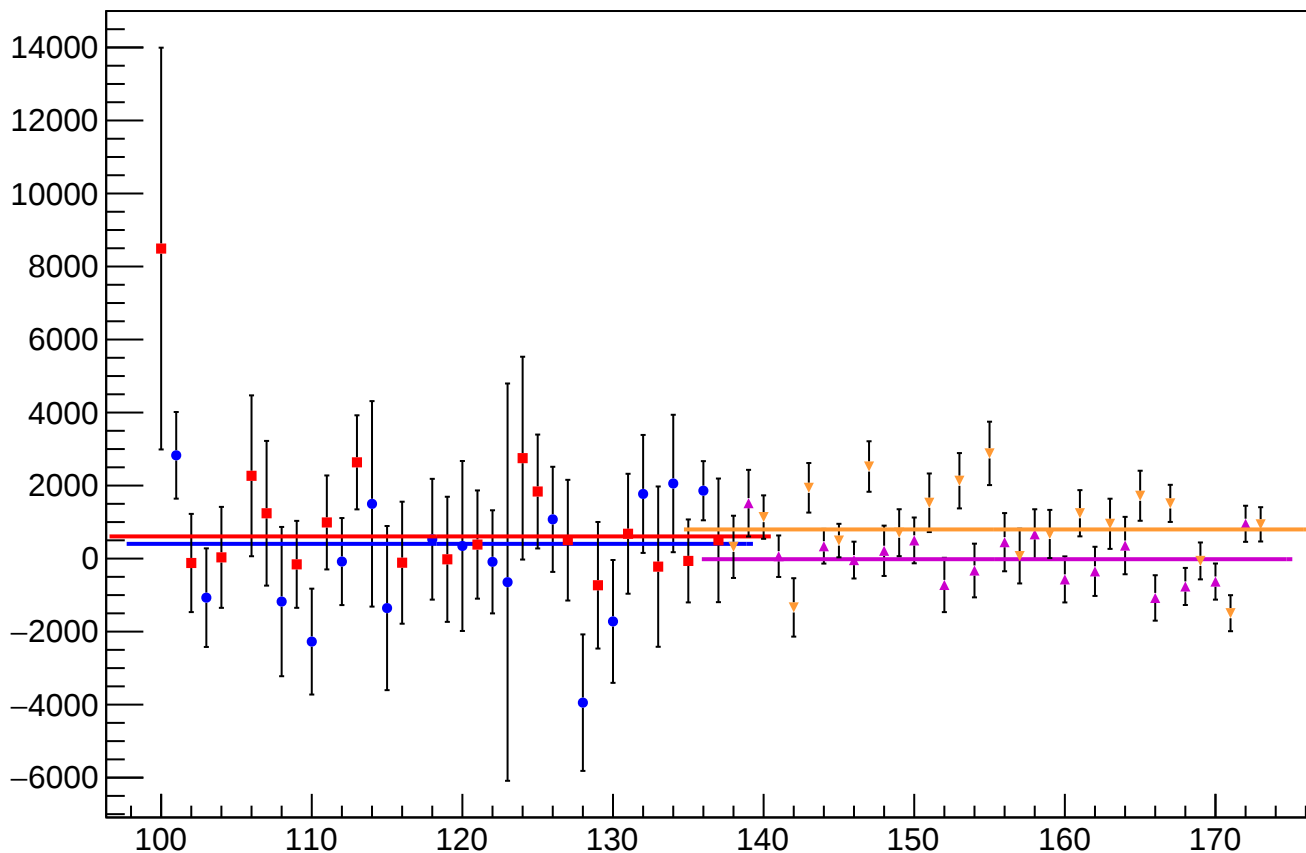
Left In: 524.427 $\pm$ 0.104 χ^2 /NDF: 881674.9/16

+ sign 575.810 $\pm$ 0.093 χ^2 /NDF: 3588775.6/35

All: 580.011 $\pm$ 0.067 χ^2 /NDF: 7214746.4/71

- sign 584.468 $\pm$ 0.096 χ^2 /NDF: 3621808.7/35

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 798.453+/-142.774 χ^2/NDF : 56.8/18

Right Out: 607.276+/-363.327 χ^2/NDF : 8.8/18

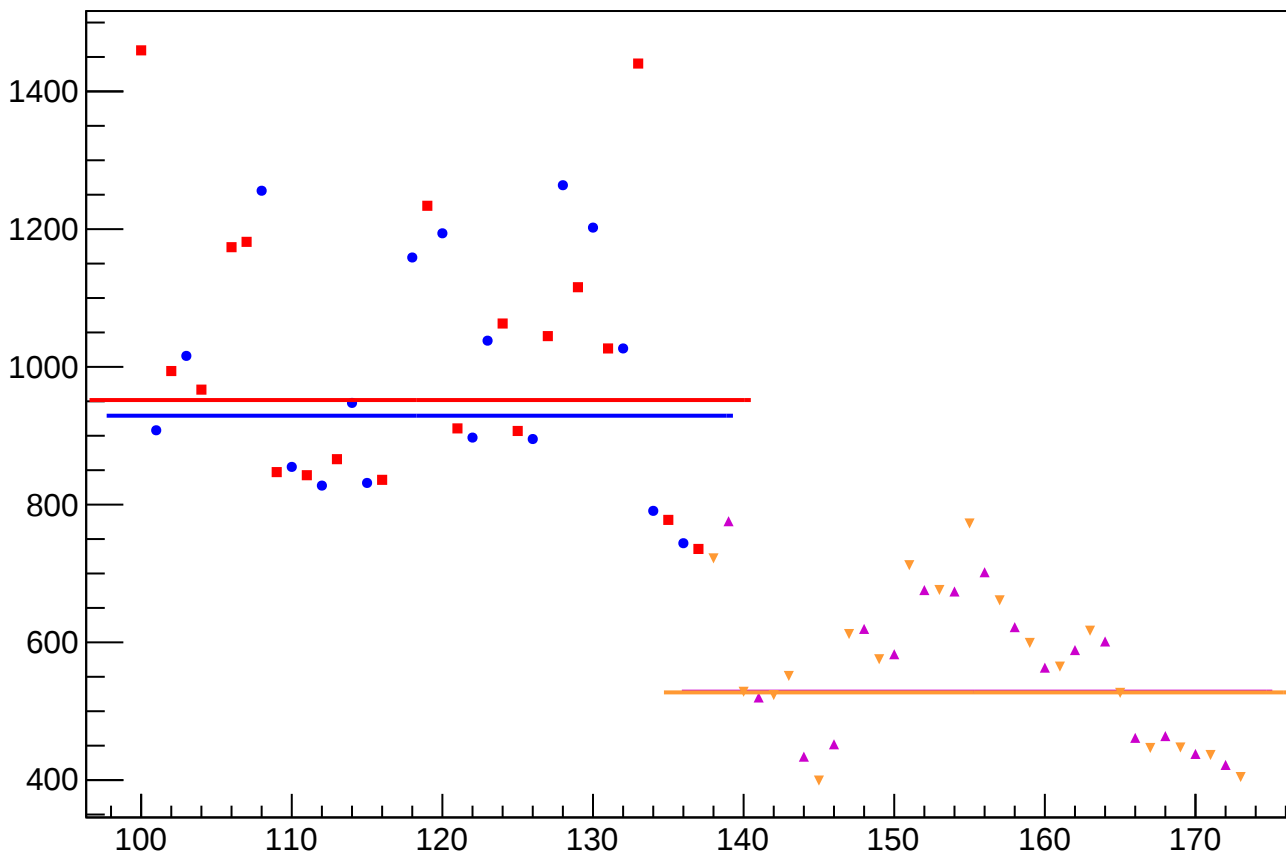
Left In: -16.771+/-148.028 χ^2/NDF : 18.3/16

+ sign 746.716+/-133.092 χ^2/NDF : 80.3/35

All: 419.366+/-95.492 χ^2/NDF : 122.4/71

- sign 72.071+/-137.087 χ^2/NDF : 29.6/35

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 527.340+/-0.101 χ^2/NDF :1080023.6/18

Right Out: 951.847+/-0.257 χ^2/NDF : 382219.3/18

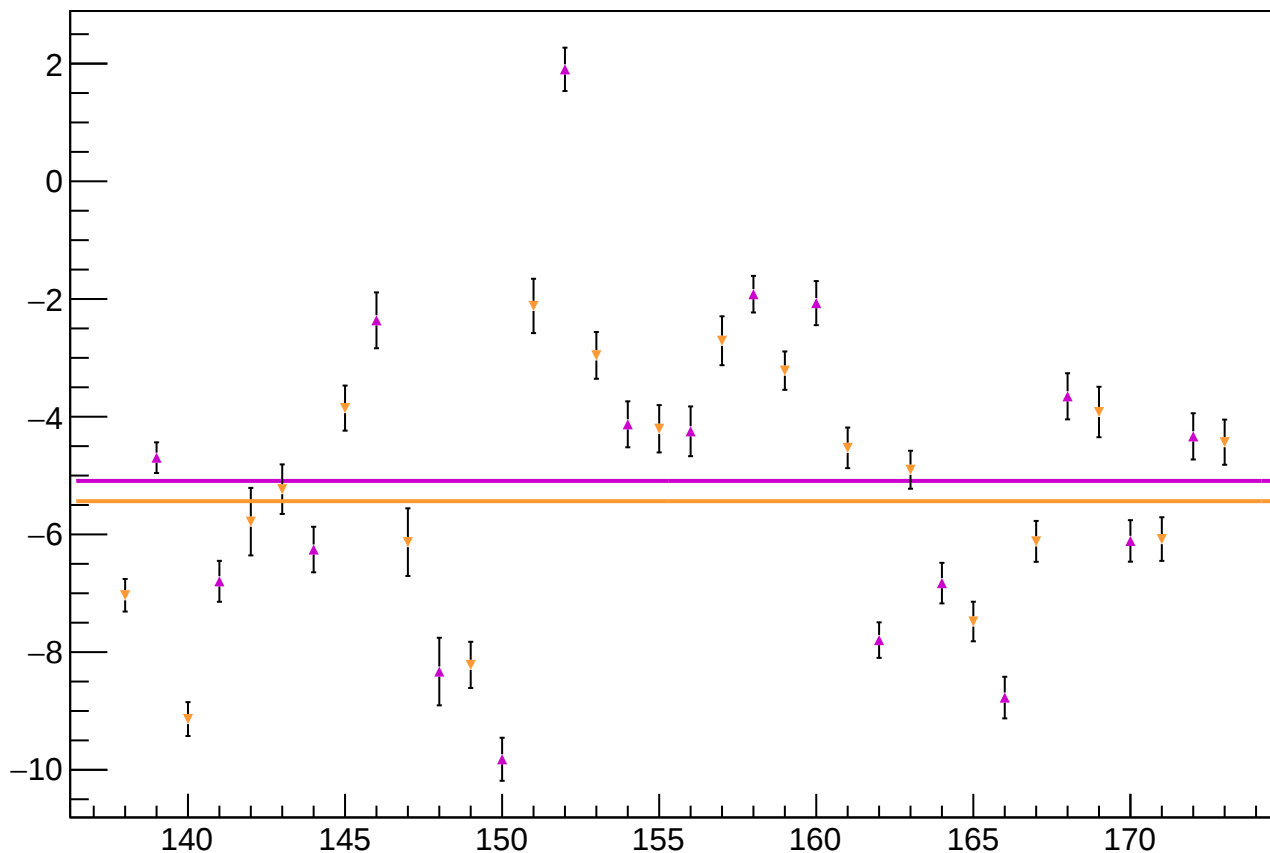
Left In: 528.421+/-0.105 χ^2/NDF :865423.8/16

+ sign 579.980+/-0.094 χ^2/NDF : 3545272.3/35

All: 584.212+/-0.068 χ^2/NDF : 7126732.9/71

- sign 588.701+/-0.097 χ^2/NDF : 3577293.6/35

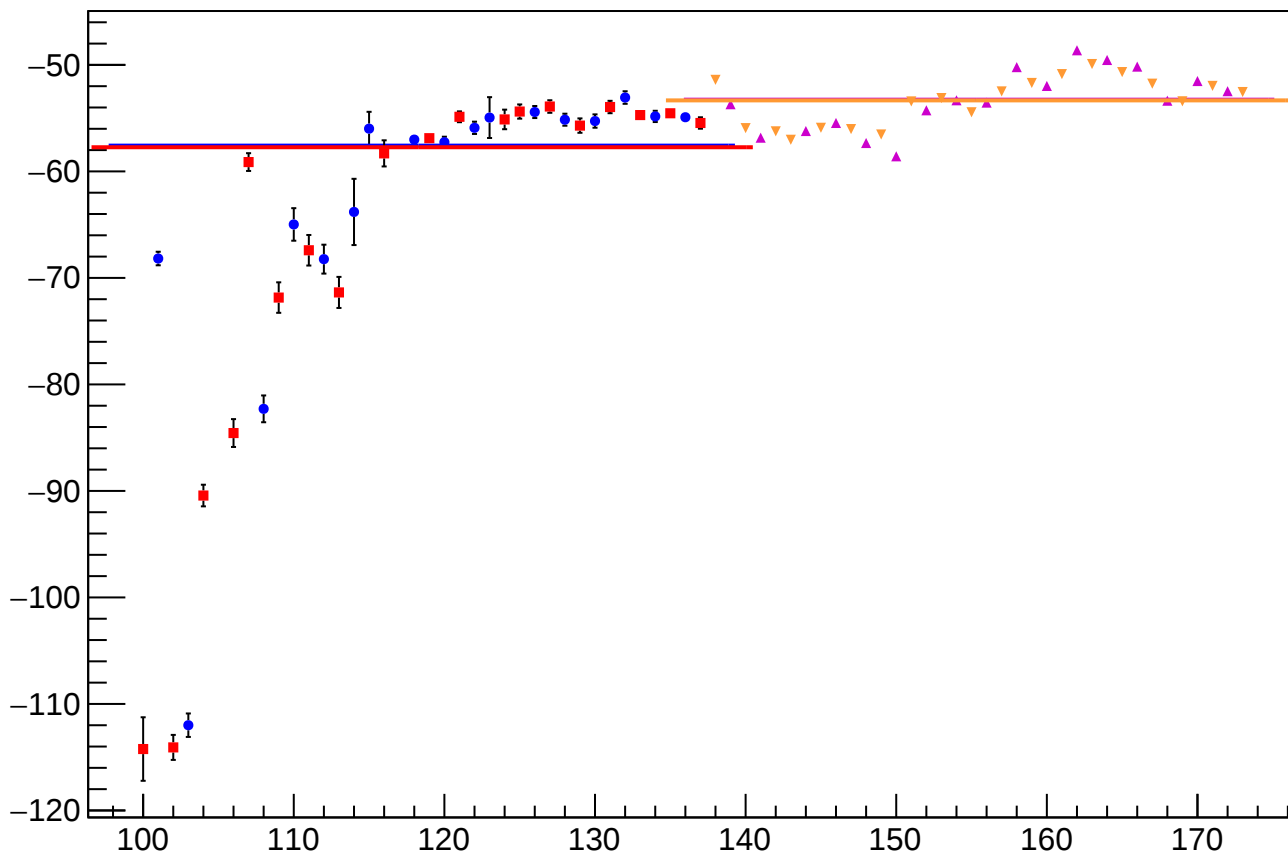
reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -5.435 ± 0.085 χ^2/NDF : 529.9/18
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -5.091 ± 0.088 χ^2/NDF : 1047.0/16

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: -5.267 ± 0.061 χ^2/NDF : 1584.8/35
 - sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -53.333 ± 0.064 χ^2/NDF : 1201.2/18

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

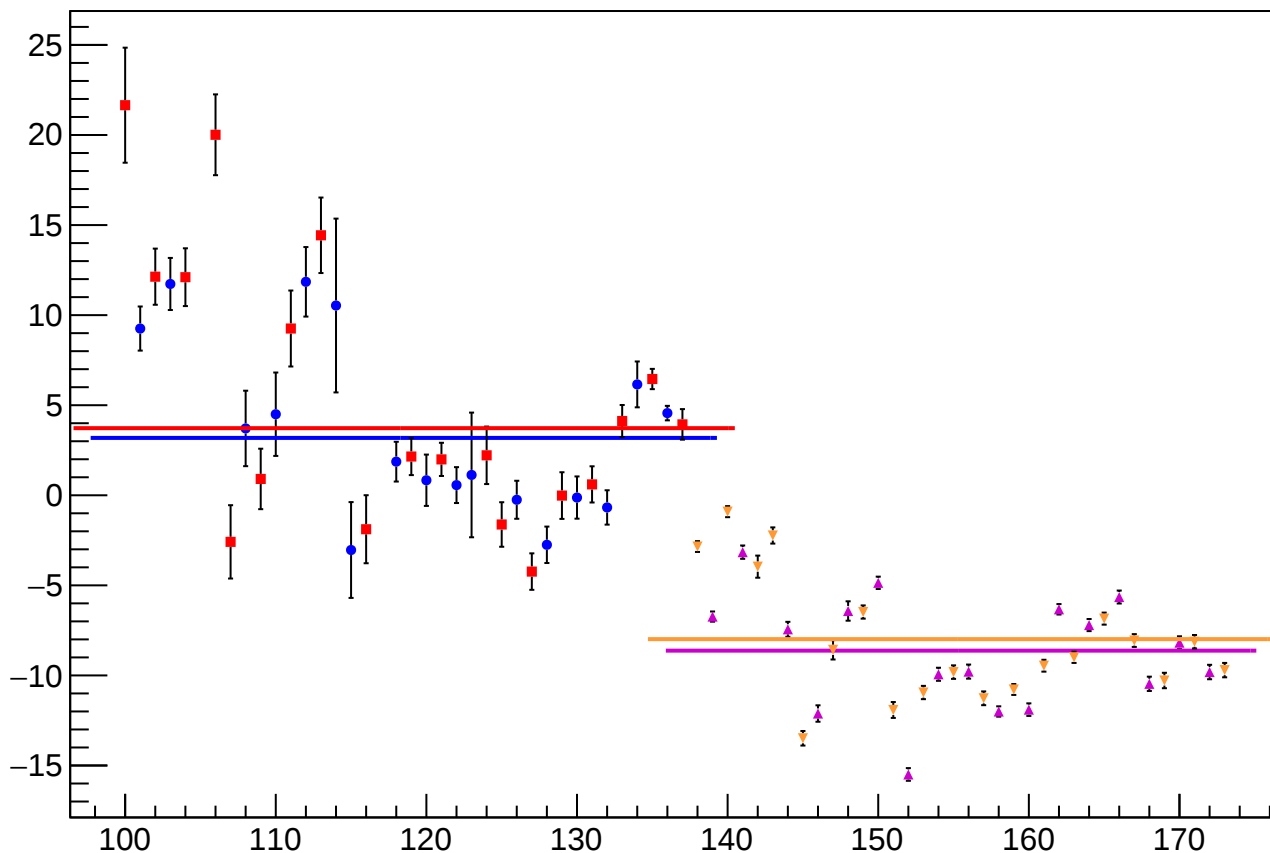
Left In: -53.265 ± 0.067 χ^2/NDF : 1937.1/16

+ sign -54.042 ± 0.058 χ^2/NDF : 5391.2/35

All: -54.058 ± 0.042 χ^2/NDF : 12826.1/71

- sign -54.075 ± 0.061 χ^2/NDF : 7434.8/35

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.985 ± 0.085 χ^2/NDF : 1651.6/18

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

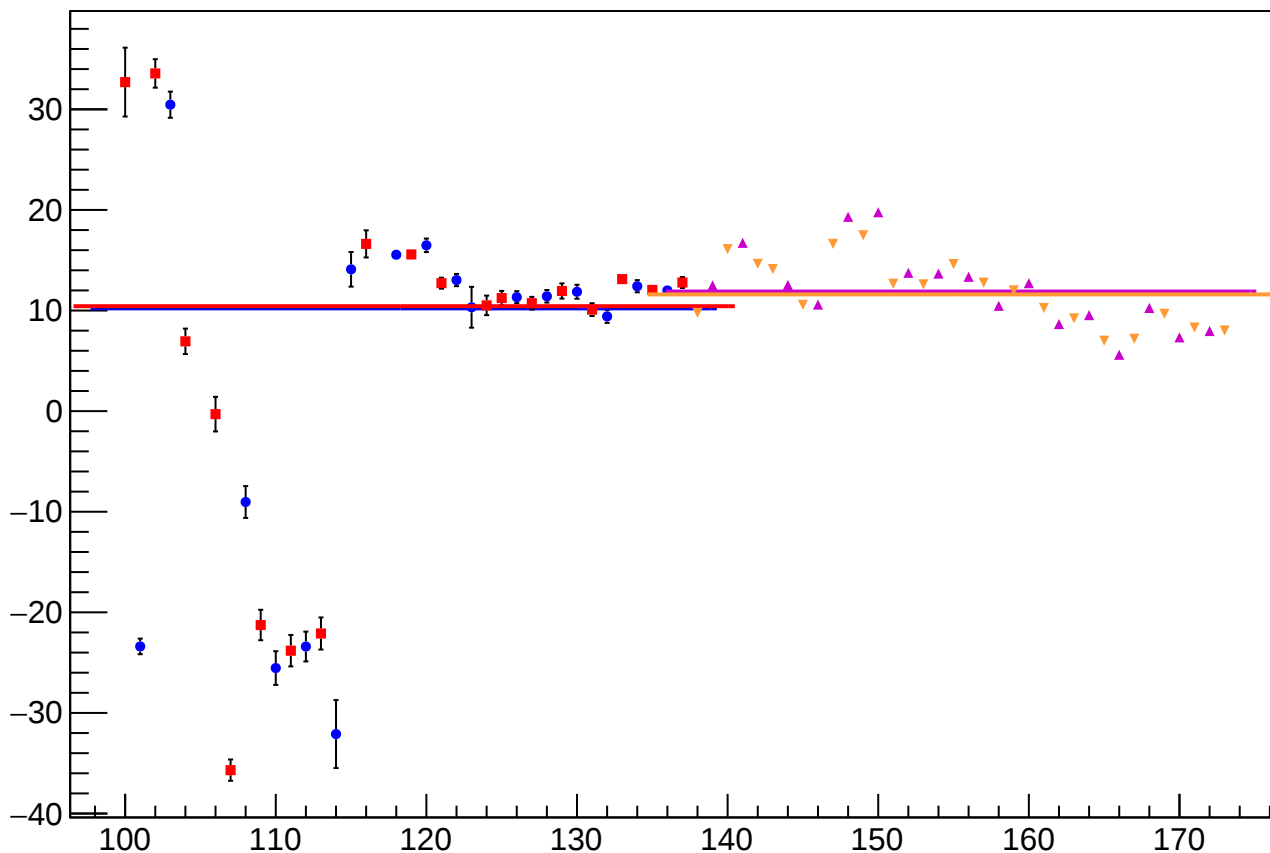
Left In: -8.624 ± 0.086 χ^2/NDF : 1277.9/16

+ sign -6.903 ± 0.081 χ^2/NDF : 3517.4/35

All: -7.175 ± 0.058 χ^2/NDF : 7072.4/71

- sign -7.458 ± 0.082 χ^2/NDF : 3531.7/35

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 11.604 $\pm$ 0.072 χ^2 /NDF:1822.1/18

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

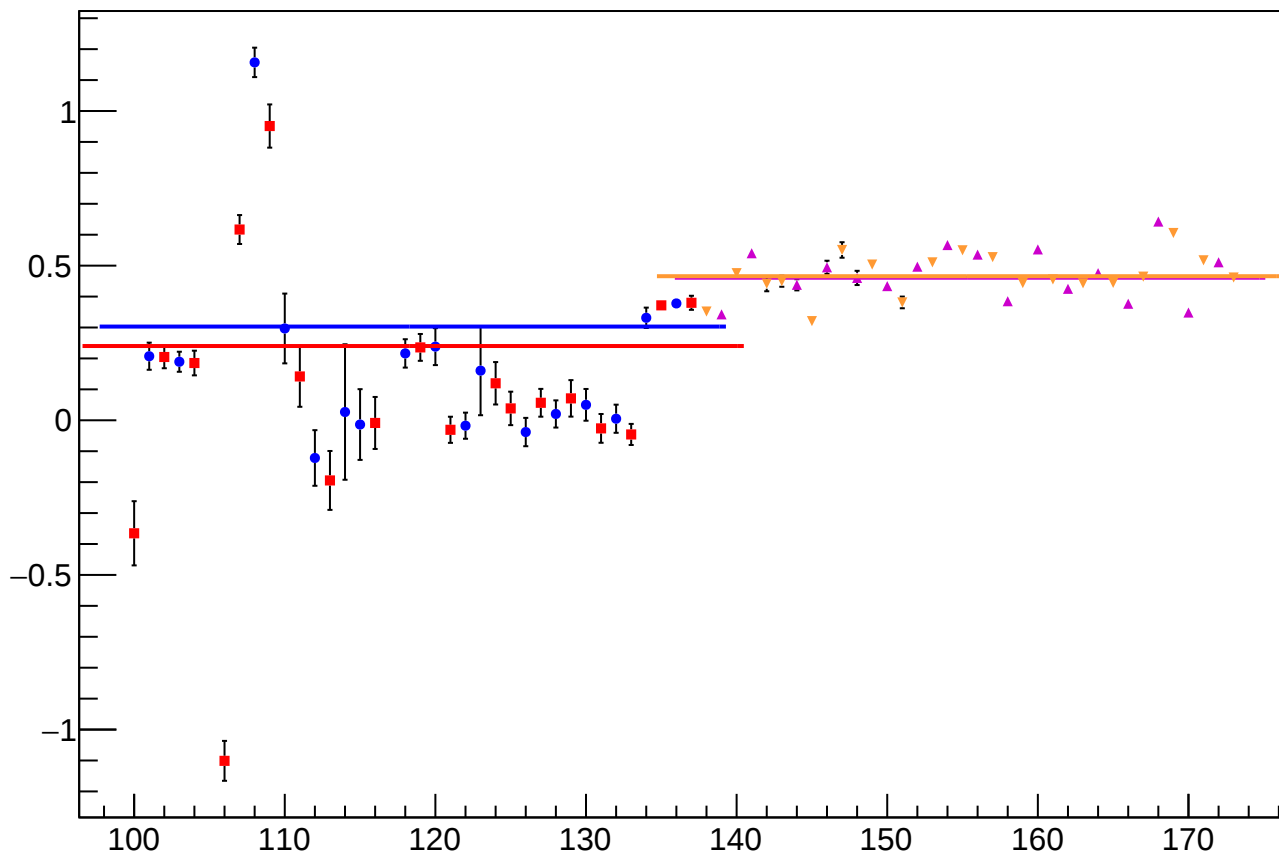
Left In: 11.887 $\pm$ 0.076 χ^2 /NDF:2481.0/16

+ sign 11.363 $\pm$ 0.066 χ^2 /NDF: 5578.5/35

All: 11.487 $\pm$ 0.047 χ^2 /NDF: 11961.6/71

- sign 11.621 $\pm$ 0.068 χ^2 /NDF: 6375.7/35

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.466 ± 0.003 χ^2/NDF : 401.7/18

Right Out: 0.240 ± 0.009 χ^2/NDF : 984.4/18

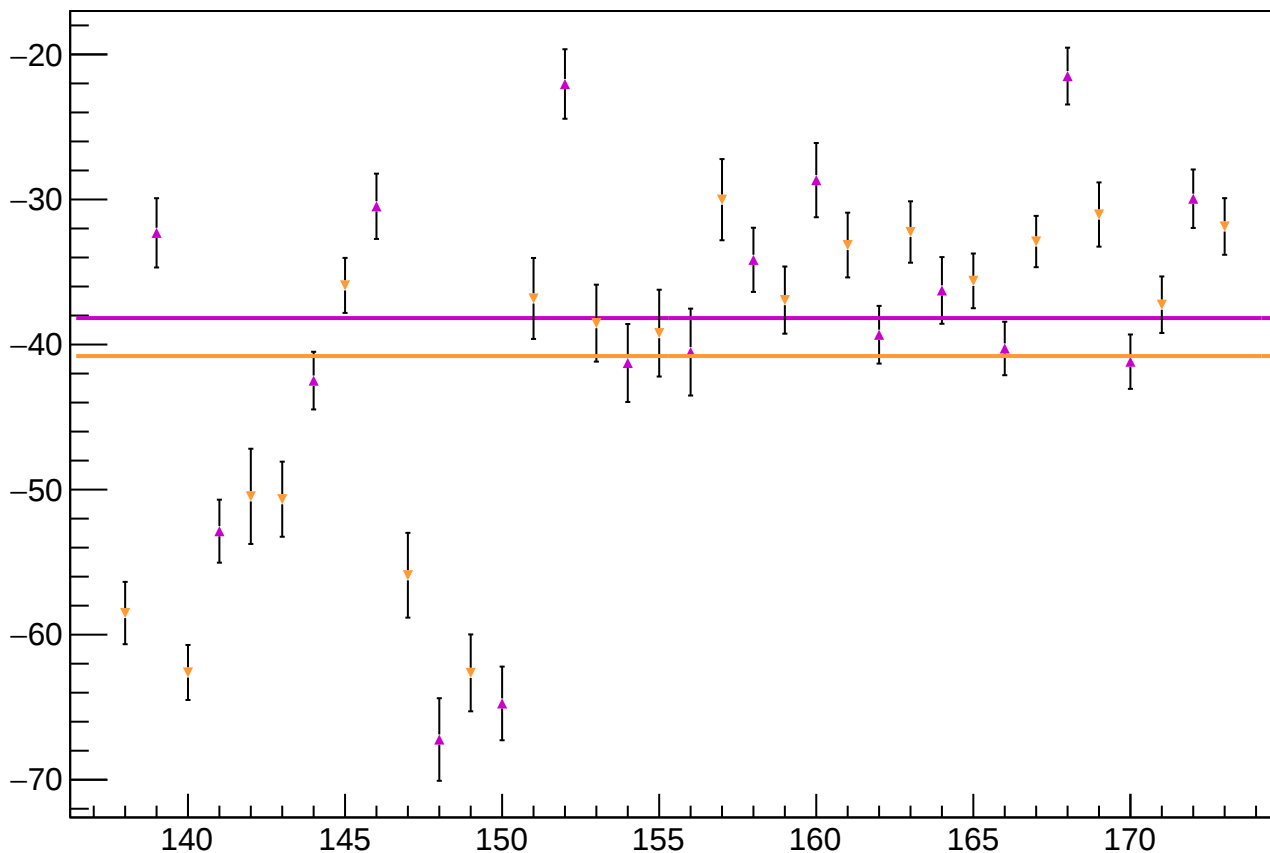
Left In: 0.461 ± 0.003 χ^2/NDF : 668.2/16

+ sign 0.444 ± 0.003 χ^2/NDF : 1387.4/35

All: 0.438 ± 0.002 χ^2/NDF : 3630.2/71

- sign 0.432 ± 0.003 χ^2/NDF : 2235.5/35

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -40.793 $\pm$ 0.518 χ^2/NDF : 444.8/18

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

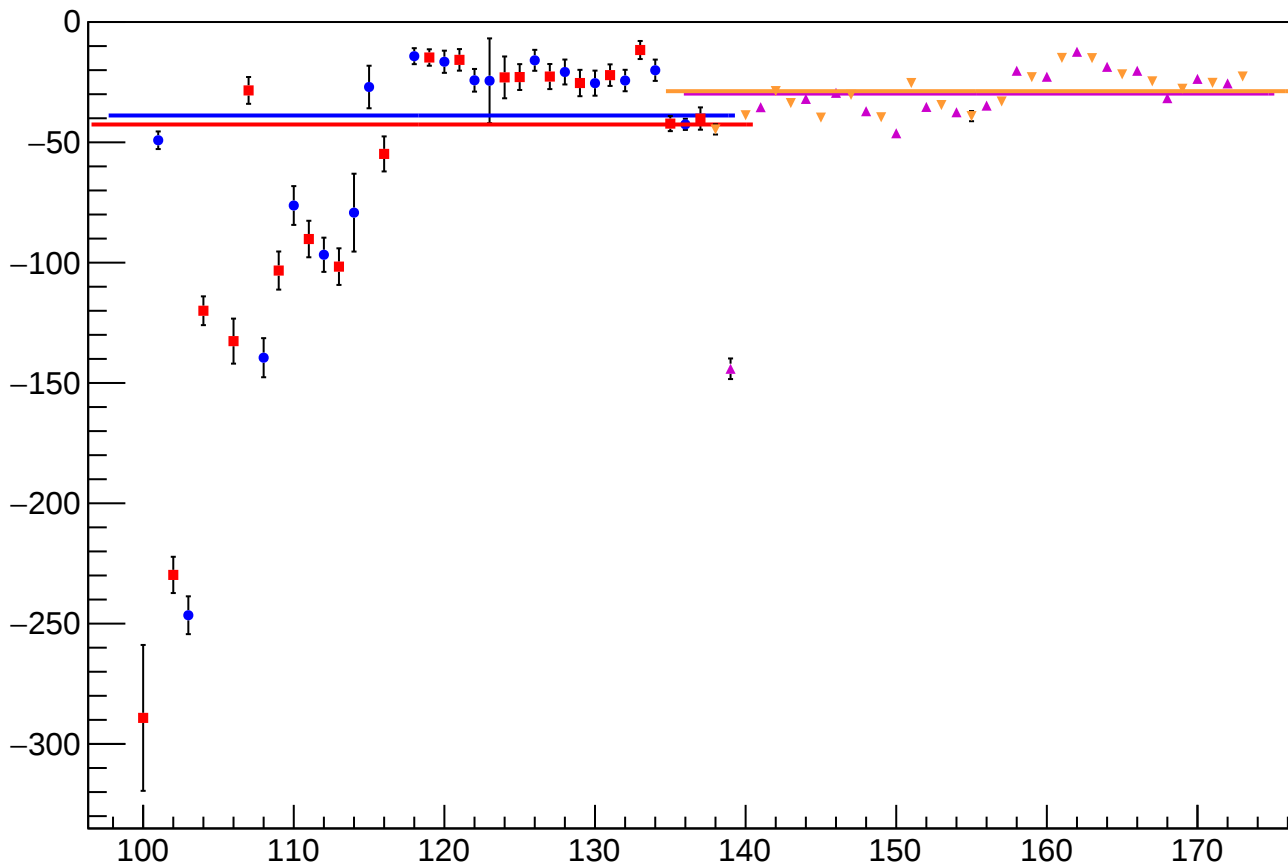
Left In: -38.175 $\pm$ 0.540 χ^2/NDF : 440.4/16

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

All: -39.539 $\pm$ 0.374 χ^2/NDF : 897.5/35

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

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -28.743 ± 0.379 χ^2/NDF : 456.3/18

Right Out: -42.586 ± 1.210 χ^2/NDF : 1345.7/18

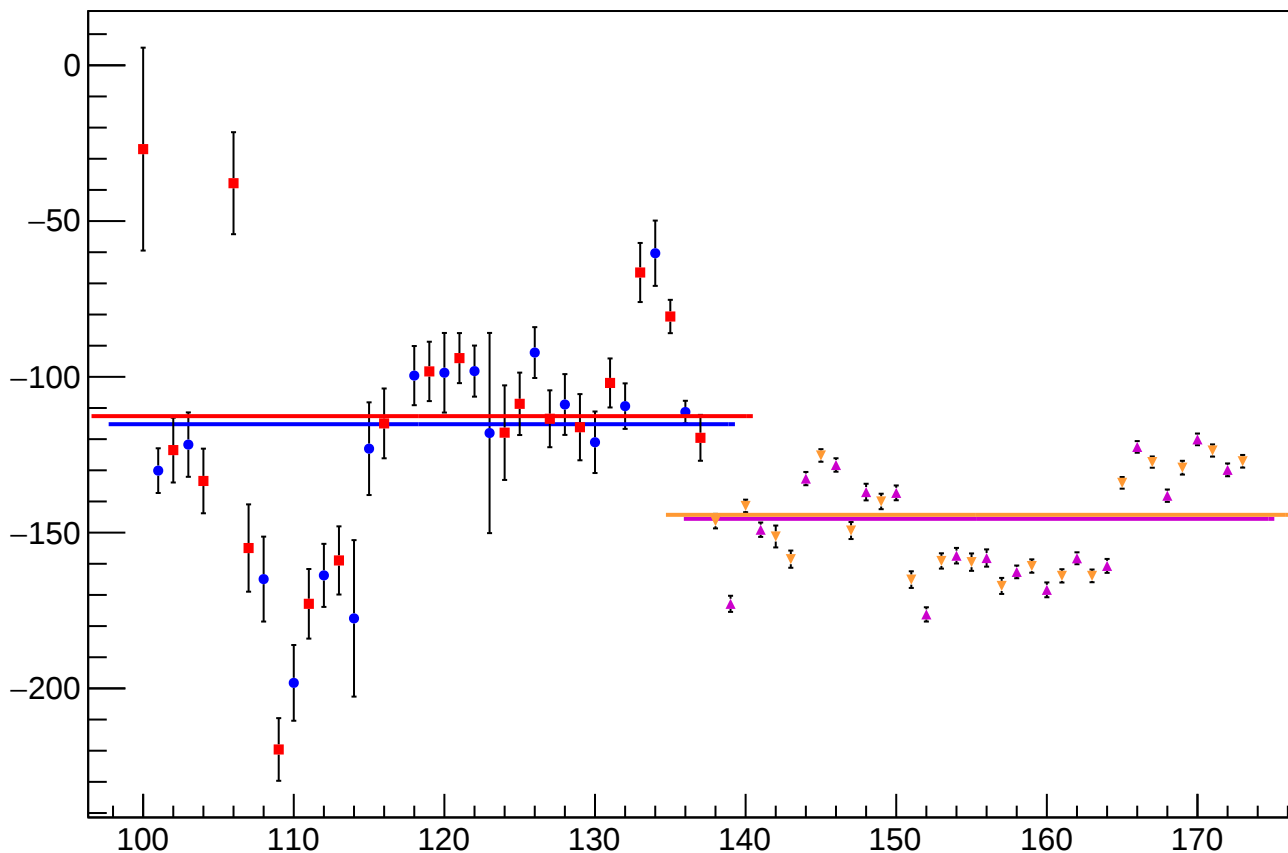
Left In: -29.738 ± 0.398 χ^2/NDF : 1153.5/16

+ sign -29.736 ± 0.360 χ^2/NDF : 1648.0/35

All: -30.334 ± 0.261 χ^2/NDF : 4254.7/71

- sign -30.993 ± 0.378 χ^2/NDF : 2600.9/35

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 χ^2/NDF : 140.8/16

Left Out: -144.288 ± 0.517 χ^2/NDF : 915.5/18

Right Out: -112.611 ± 2.209 χ^2/NDF : 272.4/18

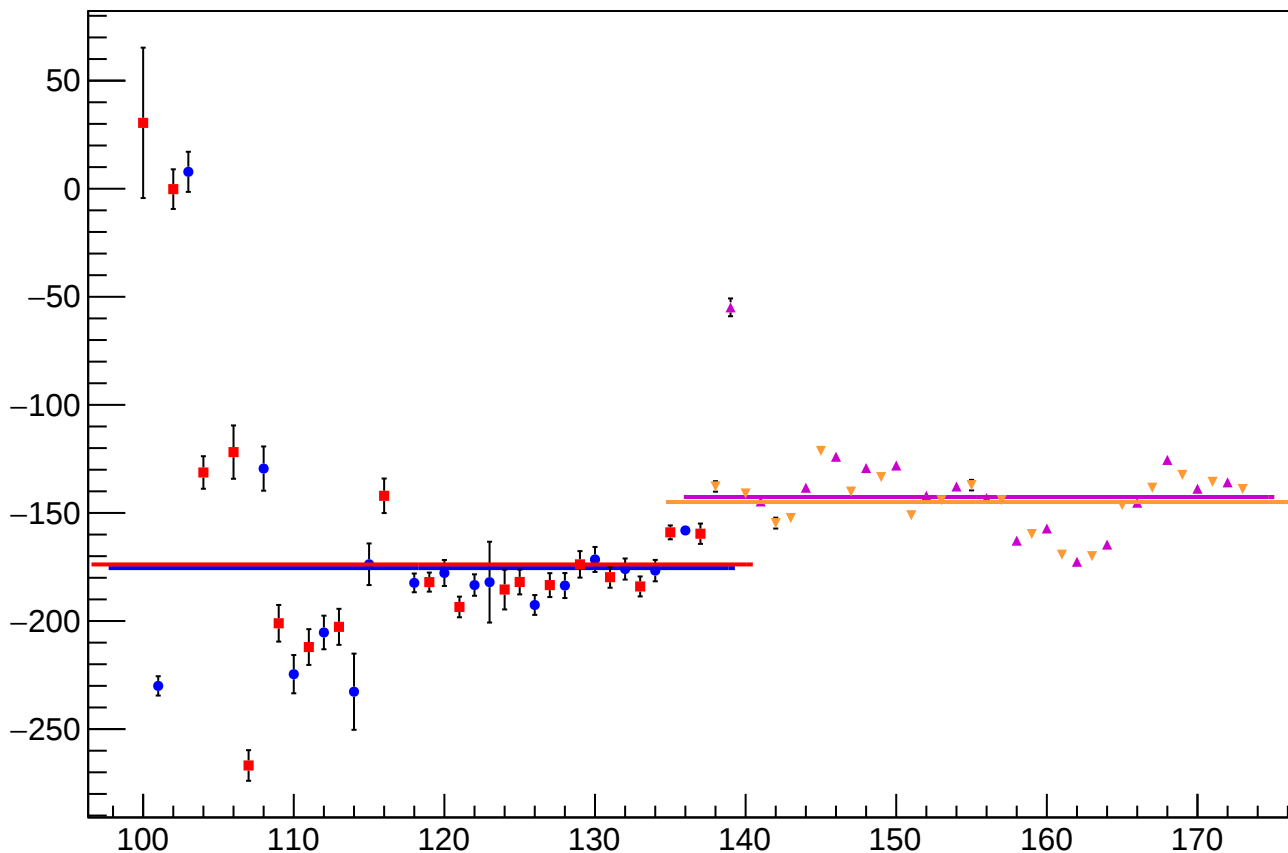
Left In: -145.574 ± 0.533 χ^2/NDF : 1118.5/16

+ sign -142.598 ± 0.502 χ^2/NDF : 1240.3/35

All: -143.160 ± 0.360 χ^2/NDF : 2844.2/71

- sign -143.761 ± 0.518 χ^2/NDF : 1601.3/35

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 ($\chi^2/\text{NDF}: 692.3/16$)

Left Out: -144.951 ± 0.433 ($\chi^2/\text{NDF}: 901.3/18$)

Right Out: -173.830 ± 1.357 ($\chi^2/\text{NDF}: 737.9/18$)

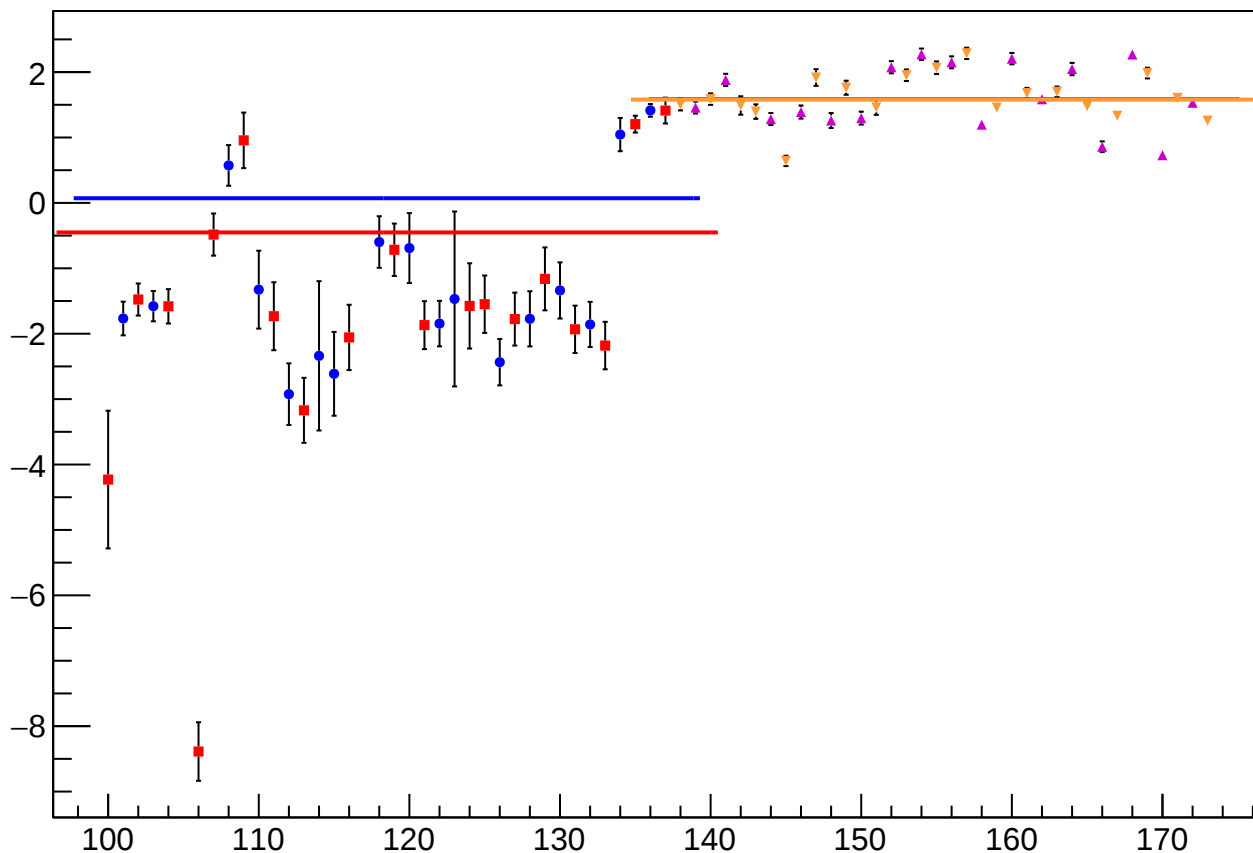
Left In: -142.622 ± 0.455 ($\chi^2/\text{NDF}: 1452.1/16$)

+ sign -148.103 ± 0.410 ($\chi^2/\text{NDF}: 2107.5/35$)

All: -146.996 ± 0.297 ($\chi^2/\text{NDF}: 4788.6/71$)

- sign -145.773 ± 0.431 ($\chi^2/\text{NDF}: 2665.8/35$)

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.580 ± 0.020 χ^2/NDF : 327.9/18

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

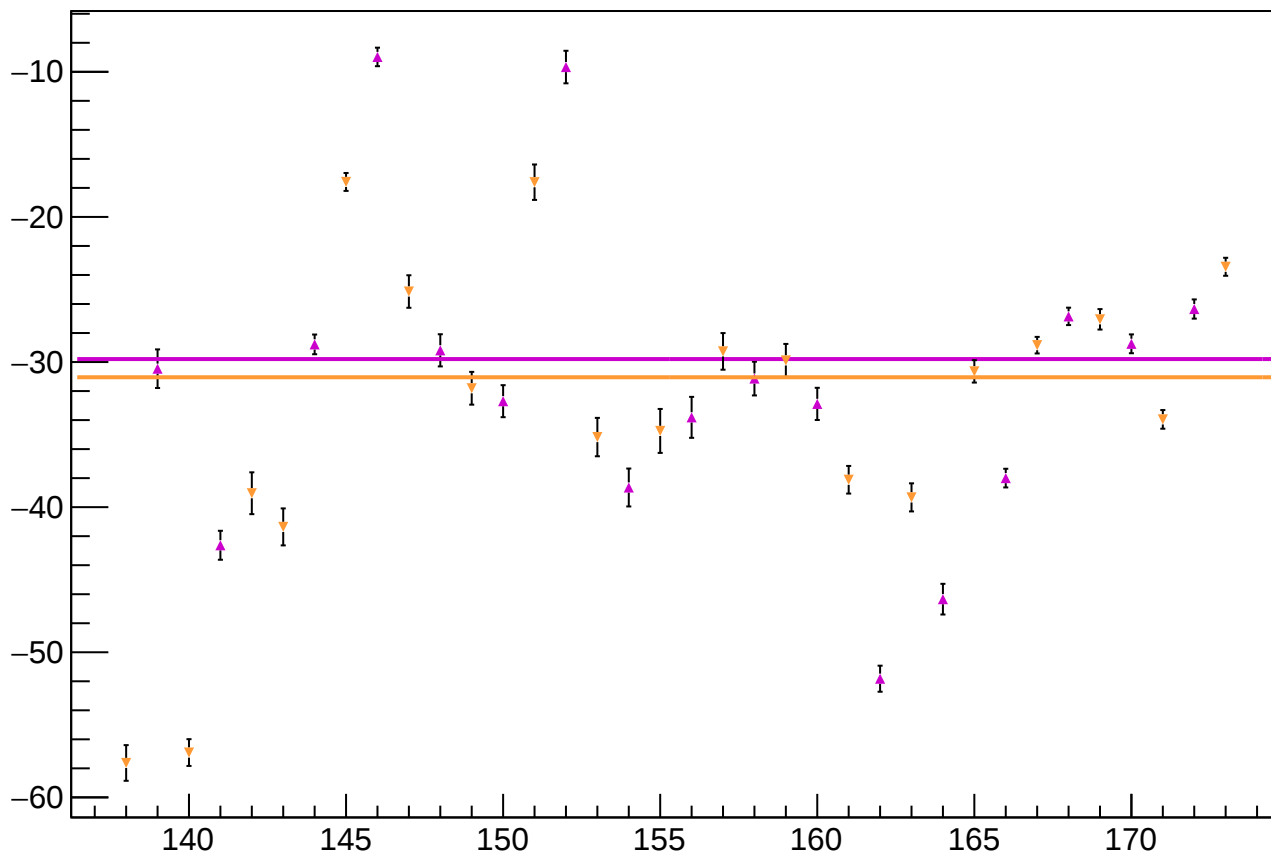
Left In: 1.587 ± 0.021 χ^2/NDF : 590.9/16

+ sign 1.457 ± 0.019 χ^2/NDF : 1316.6/35

All: 1.443 ± 0.014 χ^2/NDF : 3412.7/71

- sign 1.428 ± 0.020 χ^2/NDF : 2095.0/35

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -31.049+/-0.203 χ^2/NDF : 2339.8/18

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

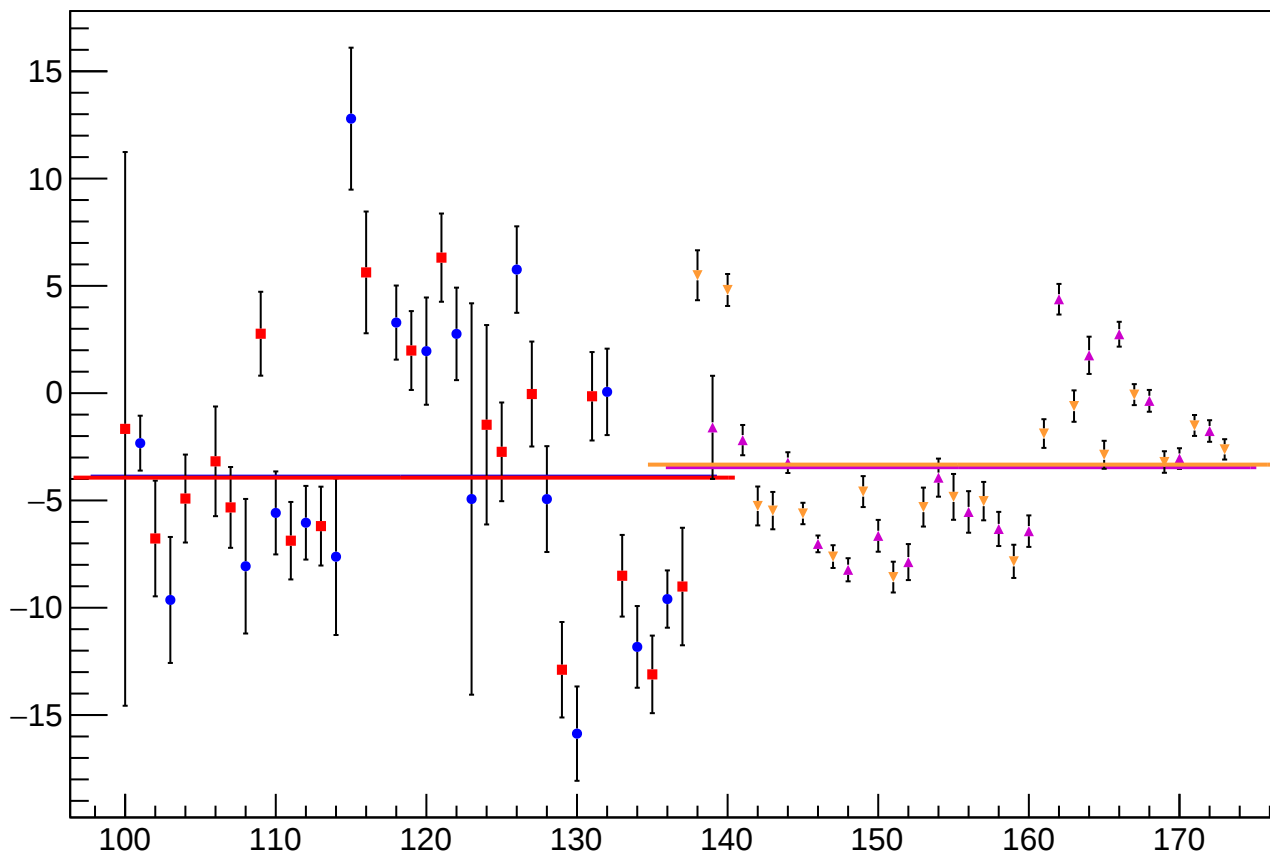
Left In: -29.795+/-0.207 χ^2/NDF : 2686.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -30.434+/-0.145 χ^2/NDF : 5045.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -3.330 ± 0.149 χ^2/NDF : 453.9/18

Right Out: -3.937 ± 0.507 χ^2/NDF : 122.2/18

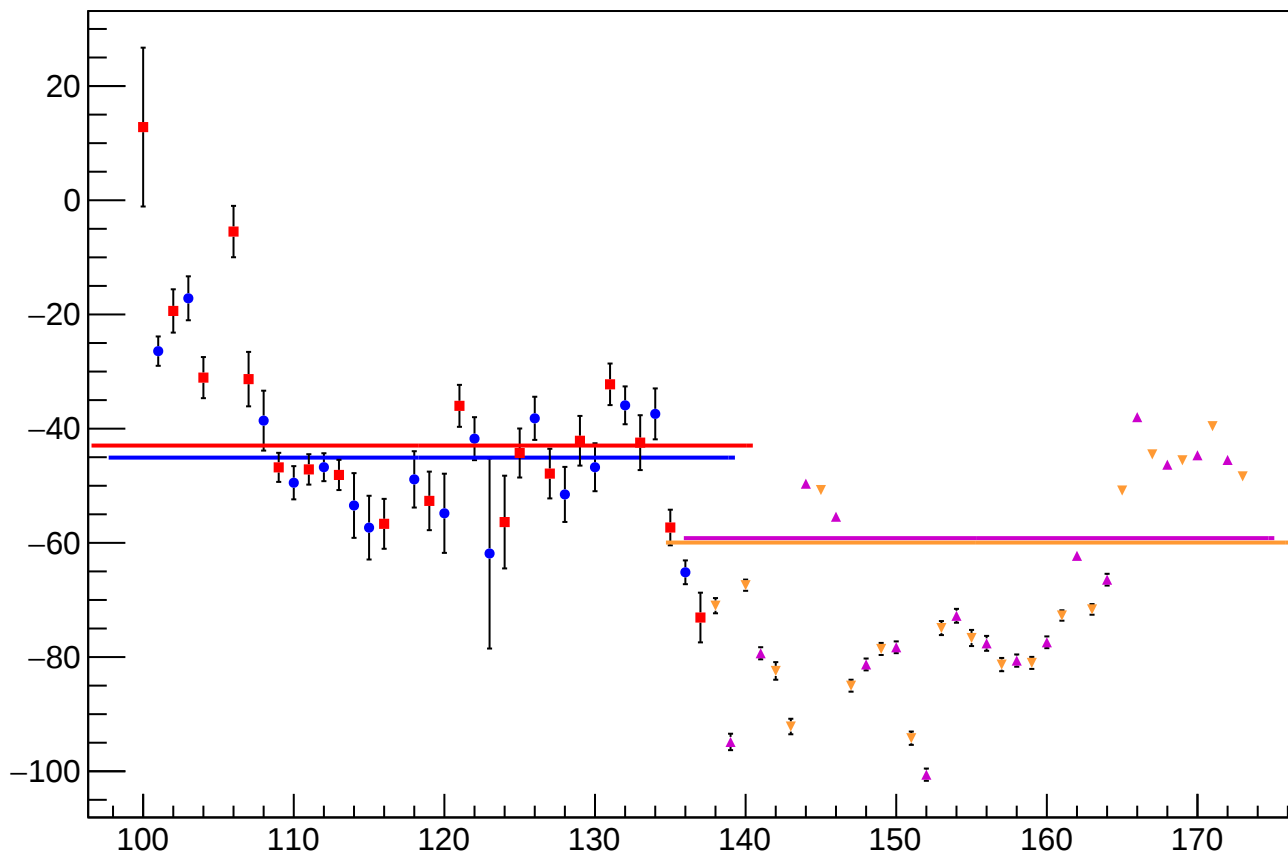
Left In: -3.450 ± 0.151 χ^2/NDF : 567.1/16

+ sign -3.377 ± 0.143 χ^2/NDF : 615.6/35

All: -3.432 ± 0.102 χ^2/NDF : 1306.0/71

- sign -3.490 ± 0.145 χ^2/NDF : 690.1/35

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -59.945 ± 0.204 χ^2/NDF : 6793.3/18

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

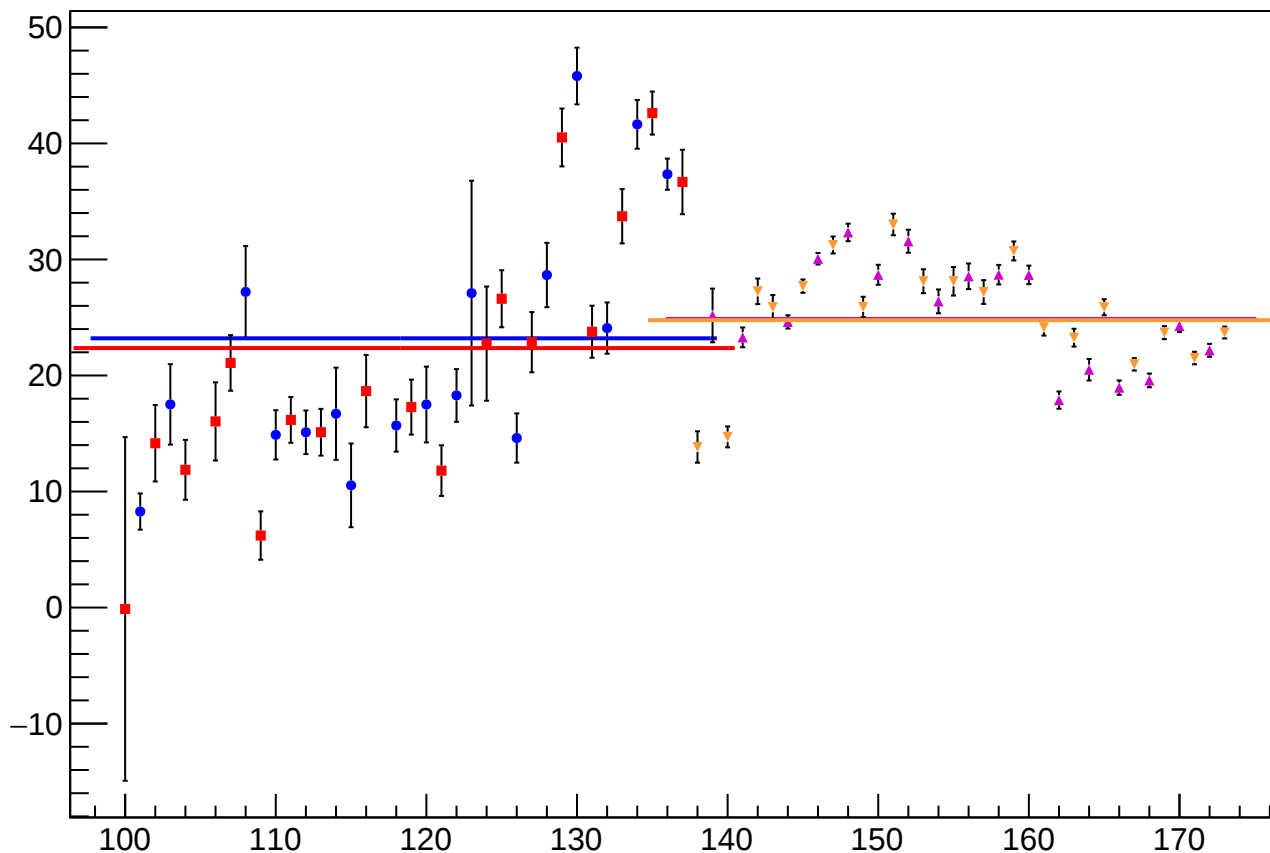
Left In: -59.172 ± 0.206 χ^2/NDF : 6973.5/16

+ sign -59.191 ± 0.199 χ^2/NDF : 7292.3/35

All: -58.763 ± 0.141 χ^2/NDF : 14846.7/71

- sign -58.327 ± 0.200 χ^2/NDF : 7545.1/35

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 24.772 $\pm$ 0.170 χ^2 /NDF: 559.7/18

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

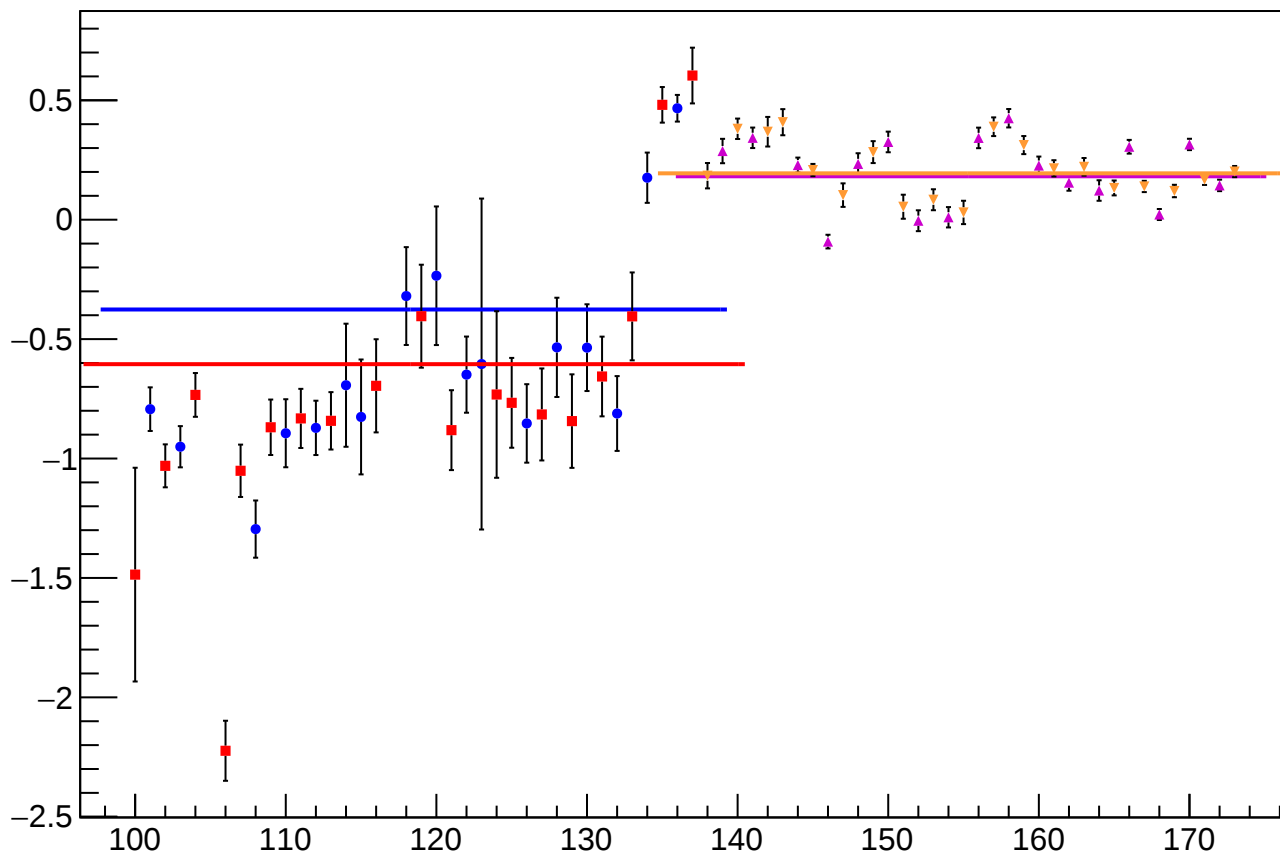
Left In: 24.870 $\pm$ 0.174 χ^2 /NDF: 639.8/16

+ sign 24.638 $\pm$ 0.163 χ^2 /NDF: 1024.1/35

All: 24.647 $\pm$ 0.117 χ^2 /NDF: 2048.4/71

- sign 24.657 $\pm$ 0.167 χ^2 /NDF: 1024.3/35

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.194 ± 0.008 $\chi^2/\text{NDF}: 129.3/18$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

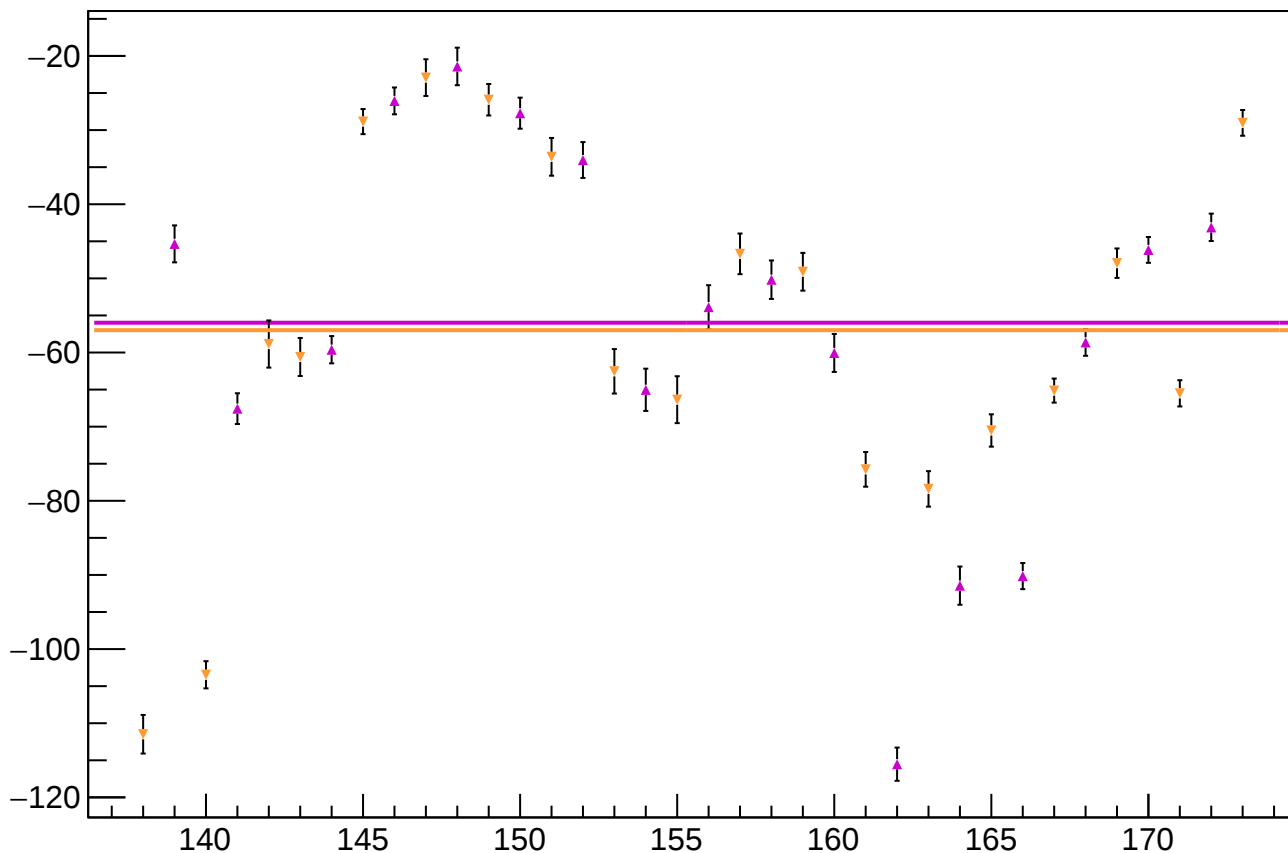
Left In: 0.182 ± 0.008 $\chi^2/\text{NDF}: 316.8/16$

+ sign 0.158 ± 0.008 $\chi^2/\text{NDF}: 902.0/35$

All: 0.144 ± 0.005 $\chi^2/\text{NDF}: 2408.9/71$

- sign 0.129 ± 0.008 $\chi^2/\text{NDF}: 1499.8/35$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -56.986+/-0.504 χ^2/NDF : 2393.8/18

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

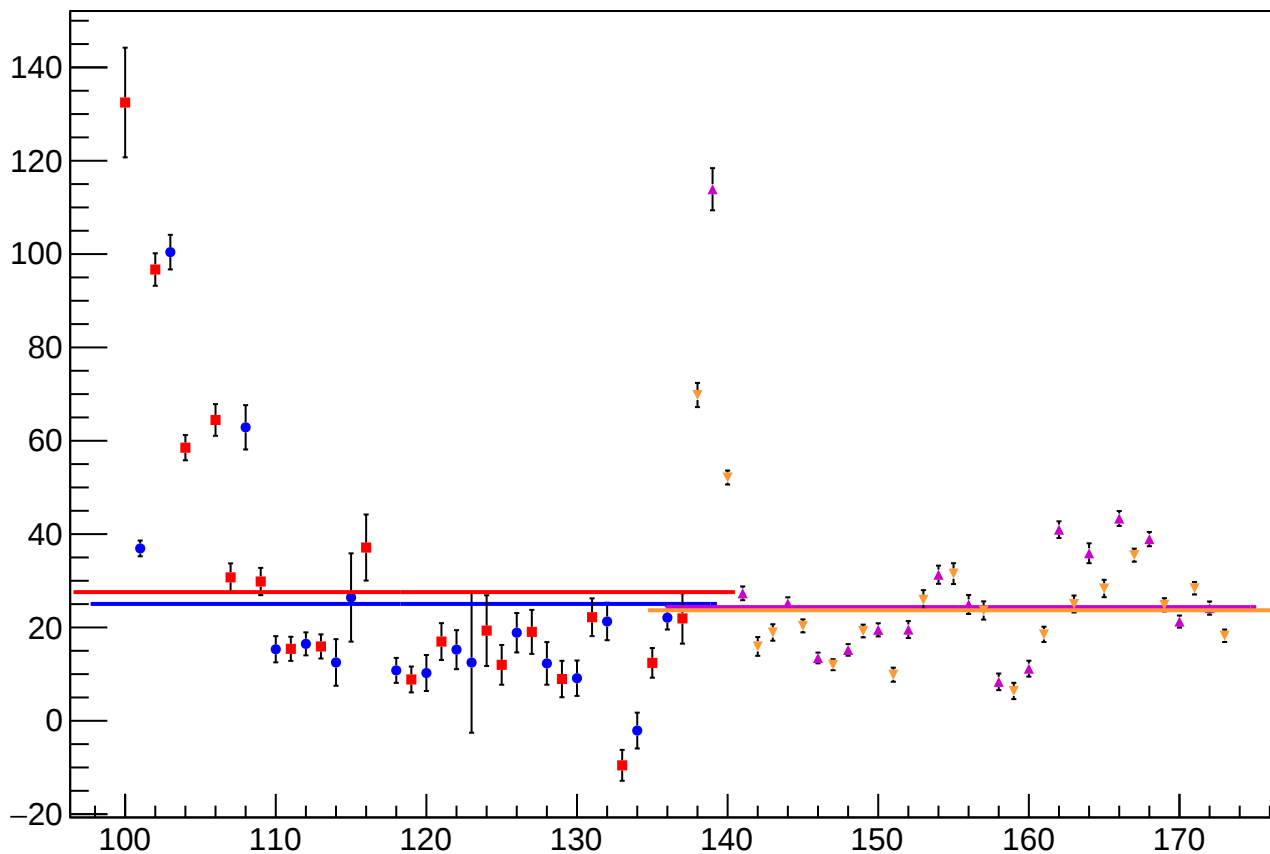
Left In: -55.982+/-0.521 χ^2/NDF : 2150.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -56.500+/-0.362 χ^2/NDF : 4546.0/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 23.684 $\pm$ 0.366 χ^2 /NDF:1124.8/18

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

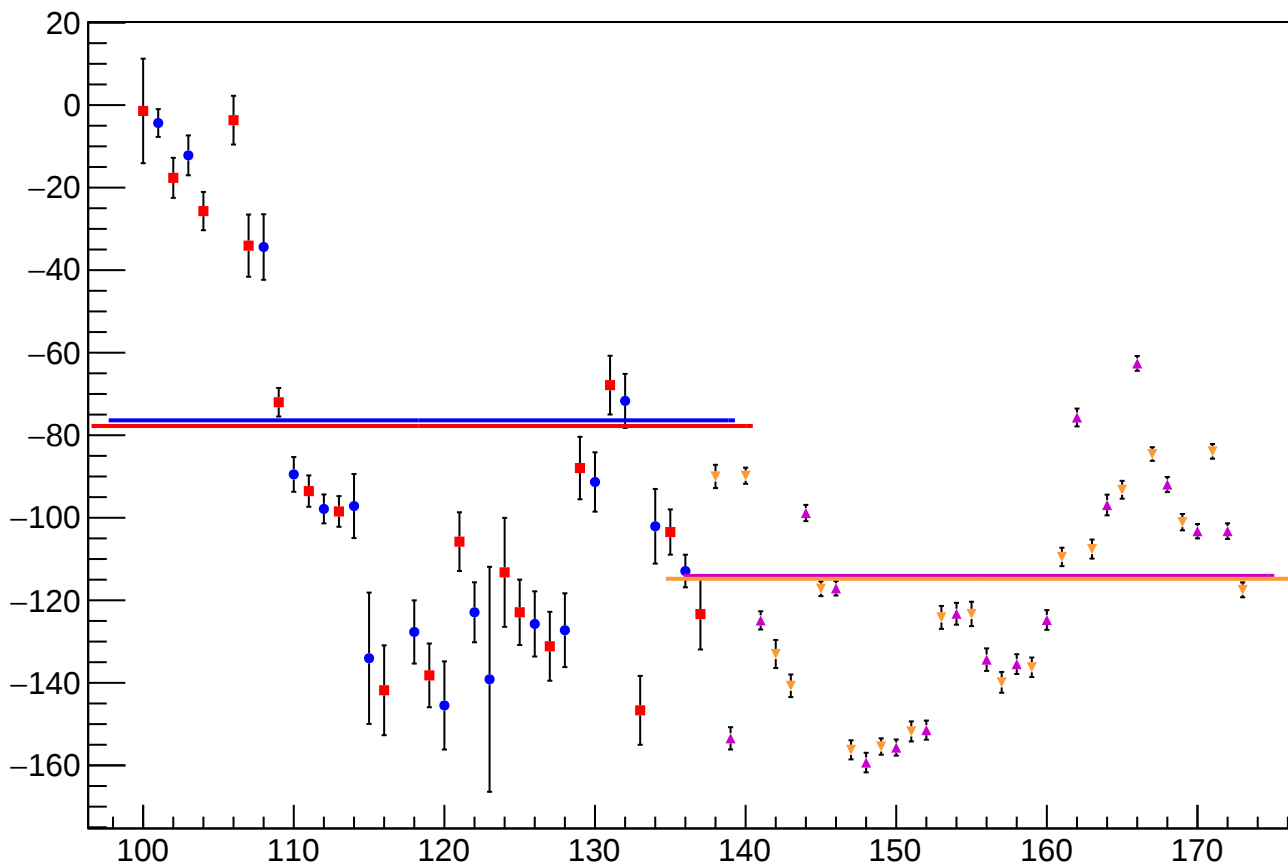
Left In: 24.360 $\pm$ 0.381 χ^2 /NDF:1067.6/16

+ sign 23.916 $\pm$ 0.333 χ^2 /NDF: 1813.6/35

All: 24.412 $\pm$ 0.239 χ^2 /NDF: 3911.5/71

- sign 24.942 $\pm$ 0.345 χ^2 /NDF: 2093.3/35

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -114.786 ± 0.503 χ^2/NDF : 2329.6/18

Right Out: -77.761 ± 1.353 χ^2/NDF : 872.7/18

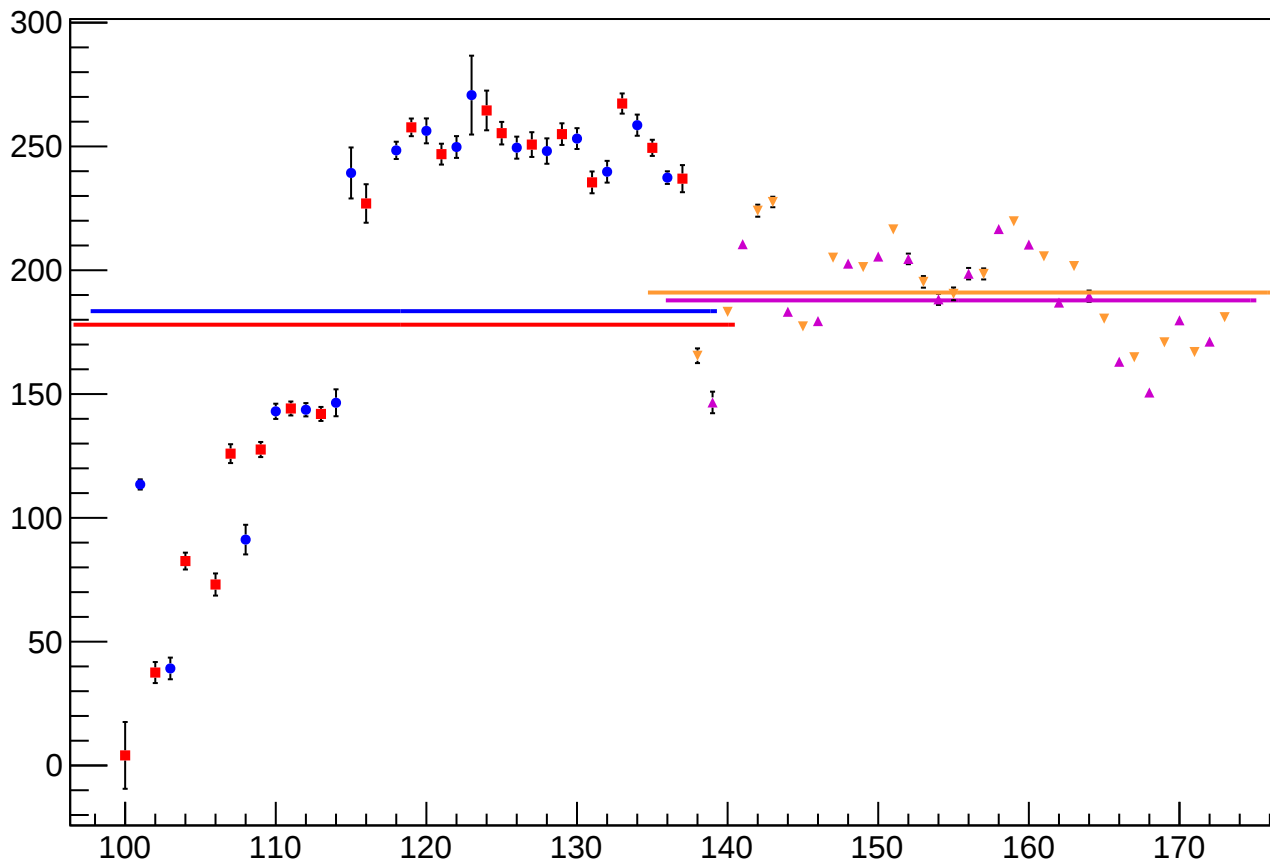
Left In: -114.088 ± 0.515 χ^2/NDF : 2946.3/16

+ sign -110.481 ± 0.474 χ^2/NDF : 4014.1/35

All: -109.994 ± 0.338 χ^2/NDF : 8465.1/71

- sign -109.494 ± 0.481 χ^2/NDF : 4448.9/35

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 ± 0.919 $\chi^2/\text{NDF}: 5331.4/16$

Left Out: 191.002 ± 0.420 $\chi^2/\text{NDF}: 2082.7/18$

Right Out: 178.011 ± 0.924 $\chi^2/\text{NDF}: 6345.7/18$

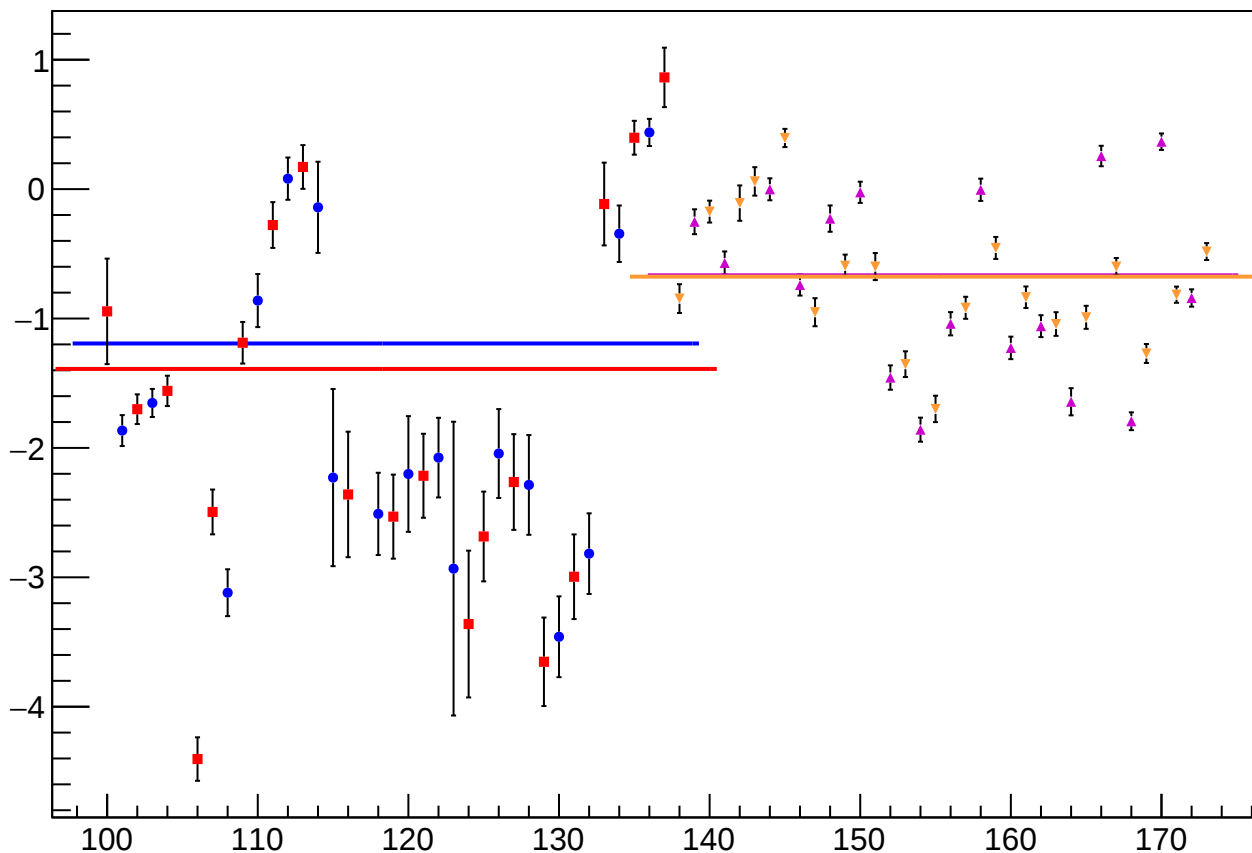
Left In: 187.827 ± 0.438 $\chi^2/\text{NDF}: 1748.3/16$

+ sign 189.699 ± 0.382 $\chi^2/\text{NDF}: 7469.6/35$

All: 187.926 ± 0.275 $\chi^2/\text{NDF}: 15700.3/71$

- sign 186.025 ± 0.396 $\chi^2/\text{NDF}: 8186.2/35$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.676 ± 0.019 χ^2/NDF : 614.6/18

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

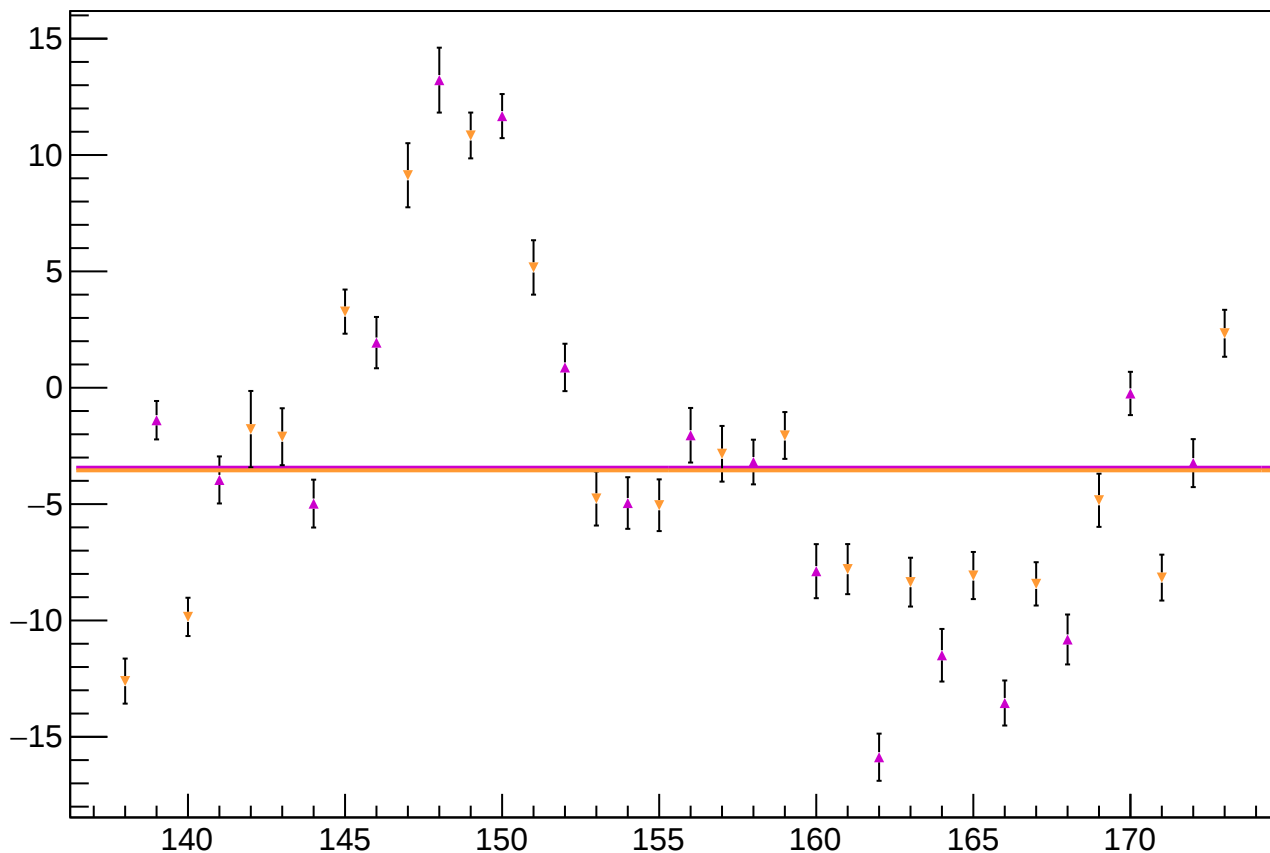
Left In: -0.666 ± 0.020 χ^2/NDF : 1298.0/16

+ sign -0.749 ± 0.018 χ^2/NDF : 1335.0/35

All: -0.766 ± 0.013 χ^2/NDF : 3764.2/71

- sign -0.783 ± 0.018 χ^2/NDF : 2427.4/35

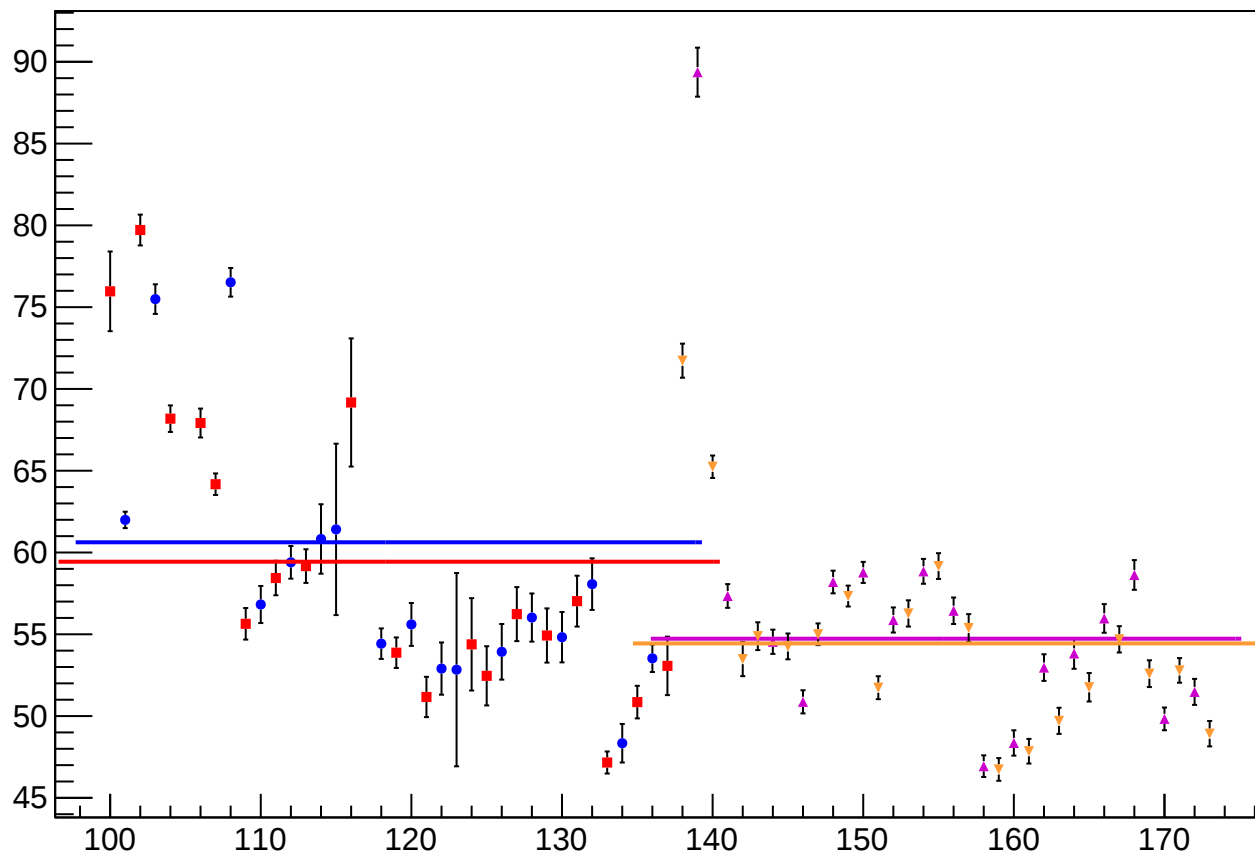
reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -3.549+/-0.243 χ^2/NDF : 701.1/18
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -3.437+/-0.250 χ^2/NDF : 835.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: -3.494+/-0.174 χ^2/NDF : 1536.3/35
- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 54.441 $\pm$ 0.178 χ^2 /NDF: 908.0/18

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

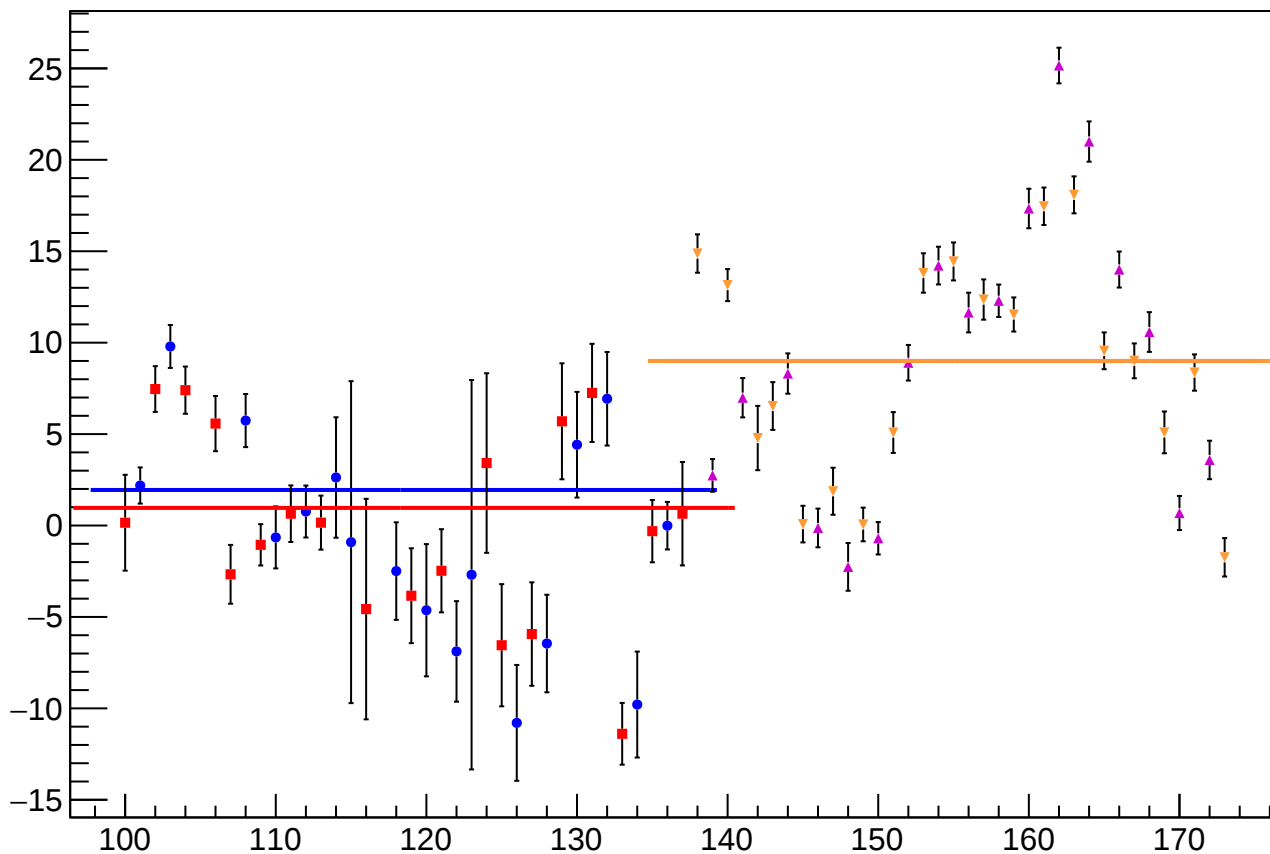
Left In: 54.730 $\pm$ 0.188 χ^2 /NDF: 976.1/16

+ sign 56.388 $\pm$ 0.148 χ^2 /NDF: 2211.3/35

All: 56.417 $\pm$ 0.105 χ^2 /NDF: 4740.1/71

- sign 56.448 $\pm$ 0.150 χ^2 /NDF: 2528.7/35

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 9.001 ± 0.241 χ^2/NDF : 609.5/18

Right Out: 0.964 ± 0.424 χ^2/NDF : 149.5/18

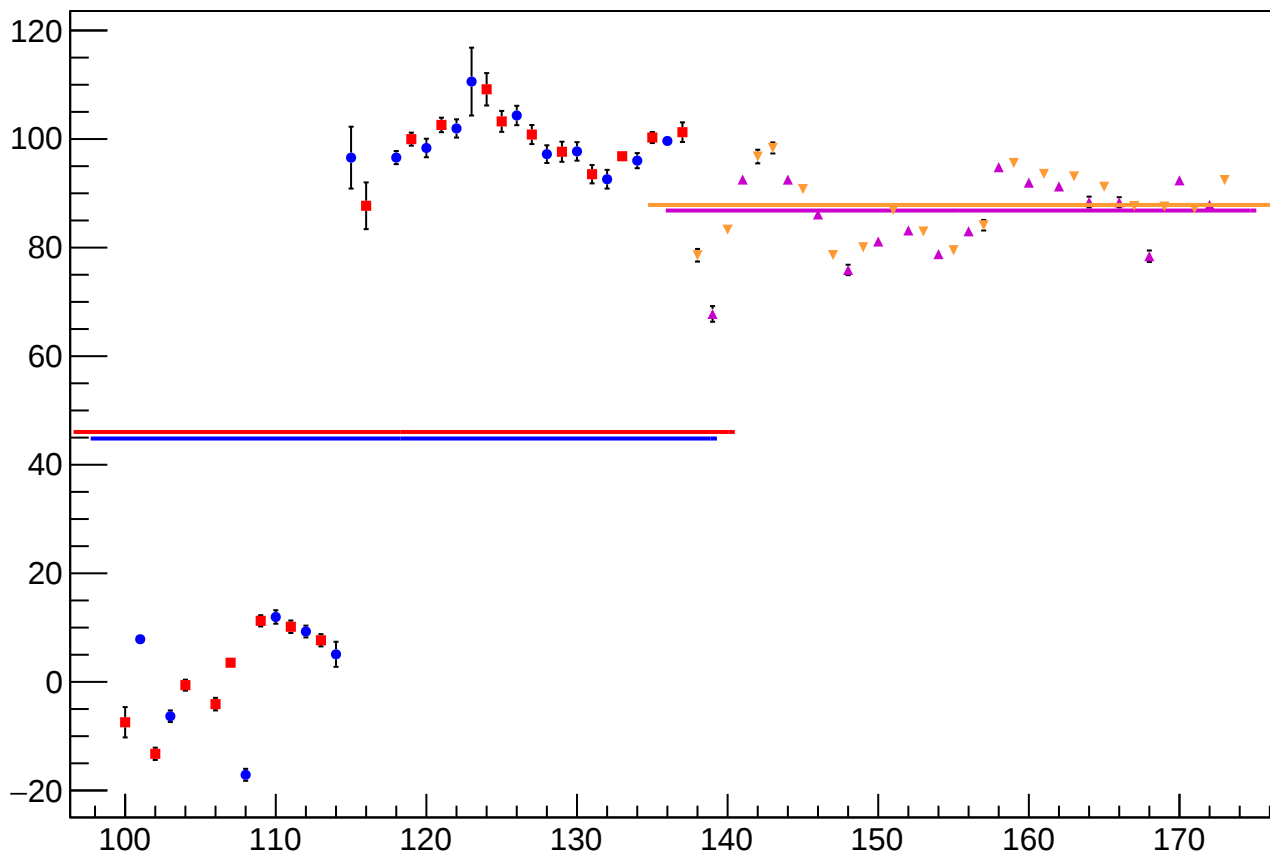
Left In: 9.000 ± 0.246 χ^2/NDF : 953.5/16

+ sign 7.472 ± 0.214 χ^2/NDF : 915.4/35

All: 7.222 ± 0.151 χ^2/NDF : 2289.3/71

- sign 6.974 ± 0.213 χ^2/NDF : 1371.2/35

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 87.860 $\pm$ 0.204 χ^2 /NDF: 843.5/18

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

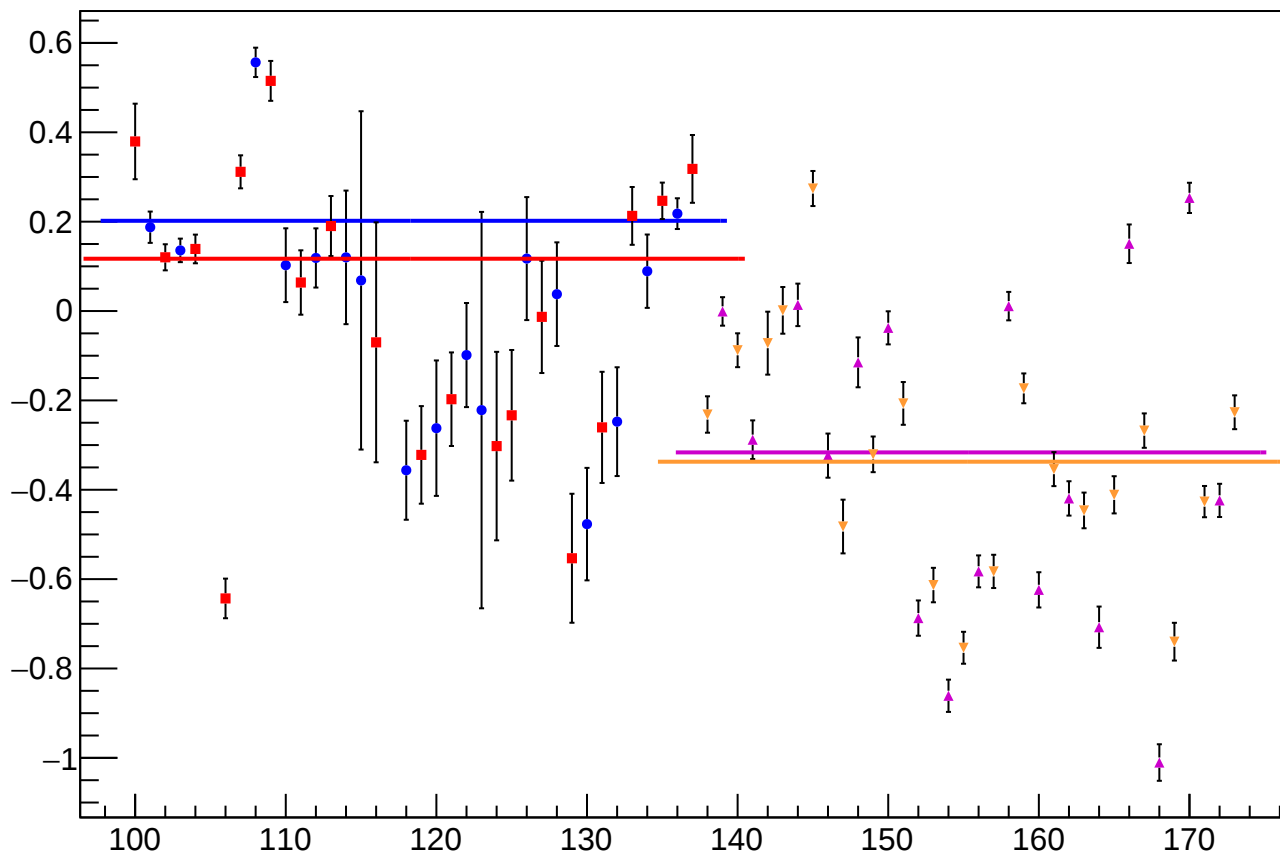
Left In: 86.828 $\pm$ 0.213 χ^2 /NDF: 887.4/16

+ sign 74.553 $\pm$ 0.169 χ^2 /NDF: 39387.4/35

All: 73.528 $\pm$ 0.121 χ^2 /NDF: 81480.0/71

- sign 72.475 $\pm$ 0.172 χ^2 /NDF: 42018.4/35

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.337 ± 0.009 χ^2/NDF : 737.3/18

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

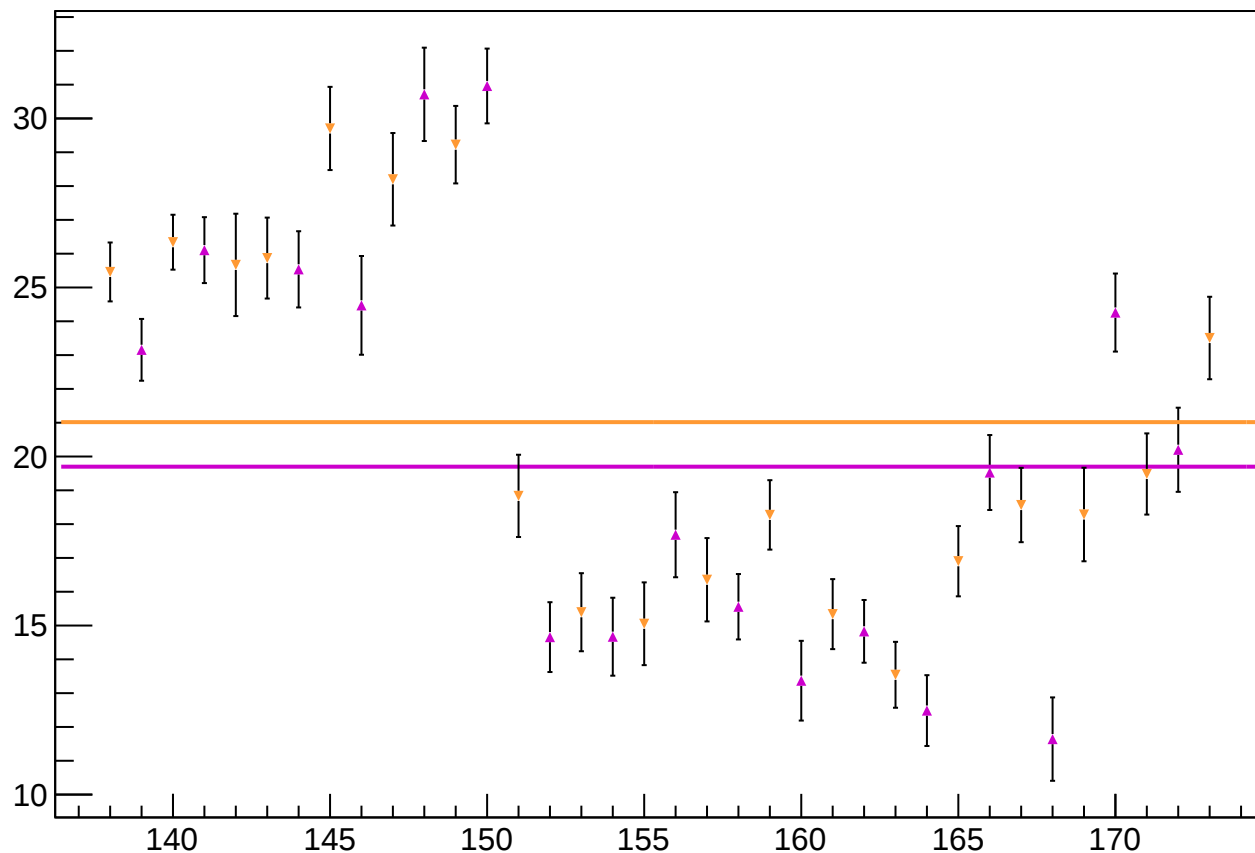
Left In: -0.316 ± 0.009 χ^2/NDF : 1529.8/16

+ sign -0.173 ± 0.008 χ^2/NDF : 1977.5/35

All: -0.170 ± 0.005 χ^2/NDF : 4730.6/71

- sign -0.166 ± 0.008 χ^2/NDF : 2752.7/35

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 21.017 $\pm$ 0.256 χ^2 /NDF:414.8/18

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

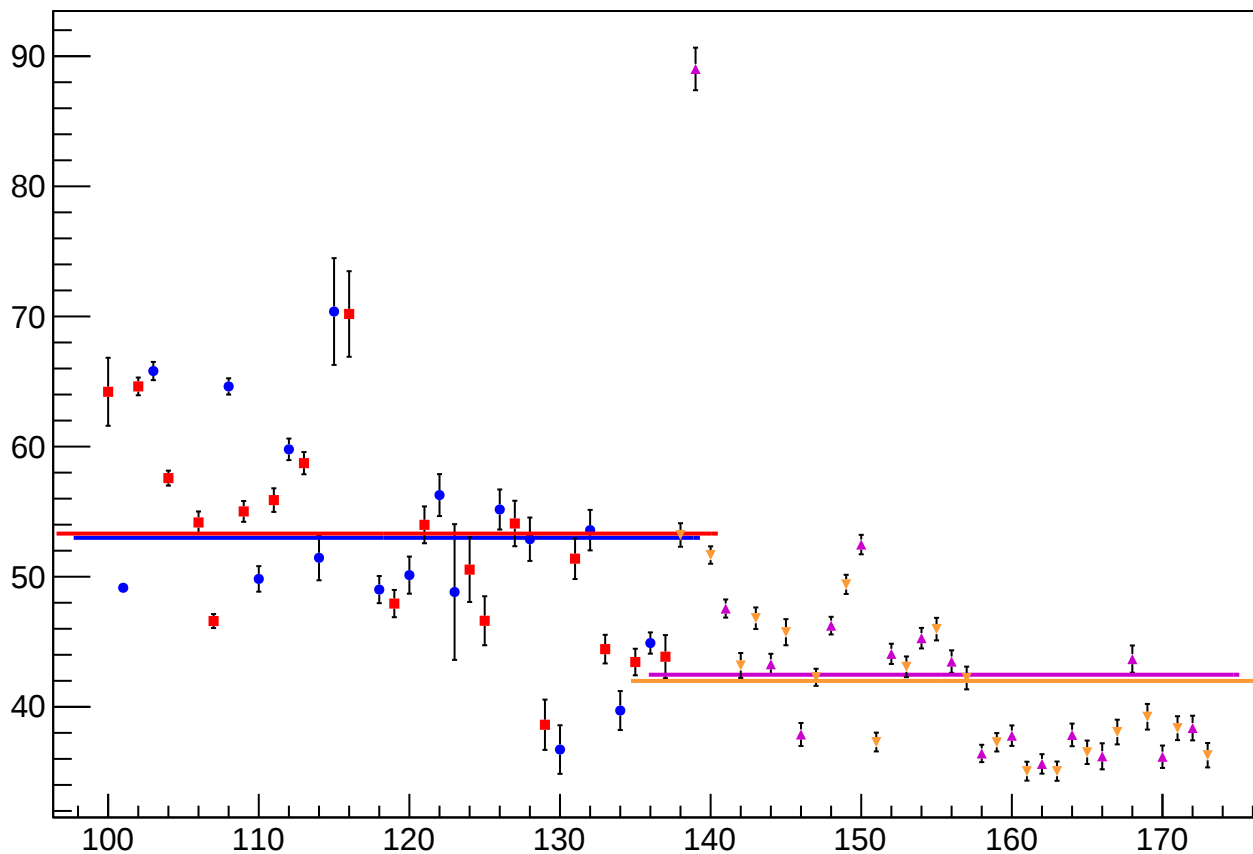
Left In: 19.699 $\pm$ 0.268 χ^2 /NDF:488.4/16

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

All: 20.389 $\pm$ 0.185 χ^2 /NDF: 915.8/35

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

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 ± 0.211 $\chi^2/\text{NDF}: 1198.0/16$

Left Out: 41.991 ± 0.187 $\chi^2/\text{NDF}: 916.1/18$

Right Out: 53.315 ± 0.227 $\chi^2/\text{NDF}: 875.6/18$

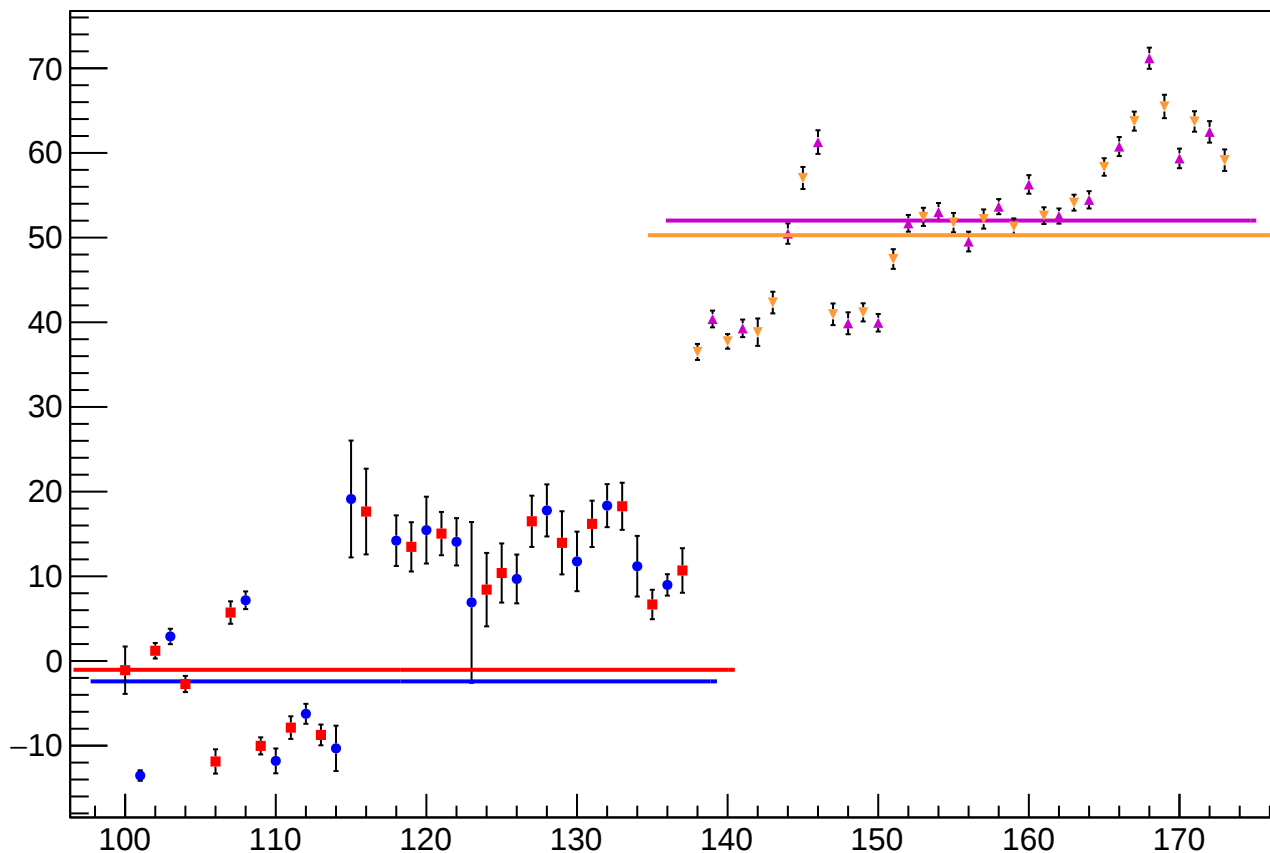
Left In: 42.468 ± 0.199 $\chi^2/\text{NDF}: 1463.1/16$

+ sign 46.822 ± 0.140 $\chi^2/\text{NDF}: 3639.2/35$

All: 46.997 ± 0.102 $\chi^2/\text{NDF}: 7272.0/71$

- sign 47.197 ± 0.150 $\chi^2/\text{NDF}: 3629.4/35$

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 $\chi^2/\text{NDF}: 834.6/16$

Left Out: 50.284 ± 0.254 $\chi^2/\text{NDF}: 1199.3/18$

Right Out: -1.040 ± 0.377 $\chi^2/\text{NDF}: 507.5/18$

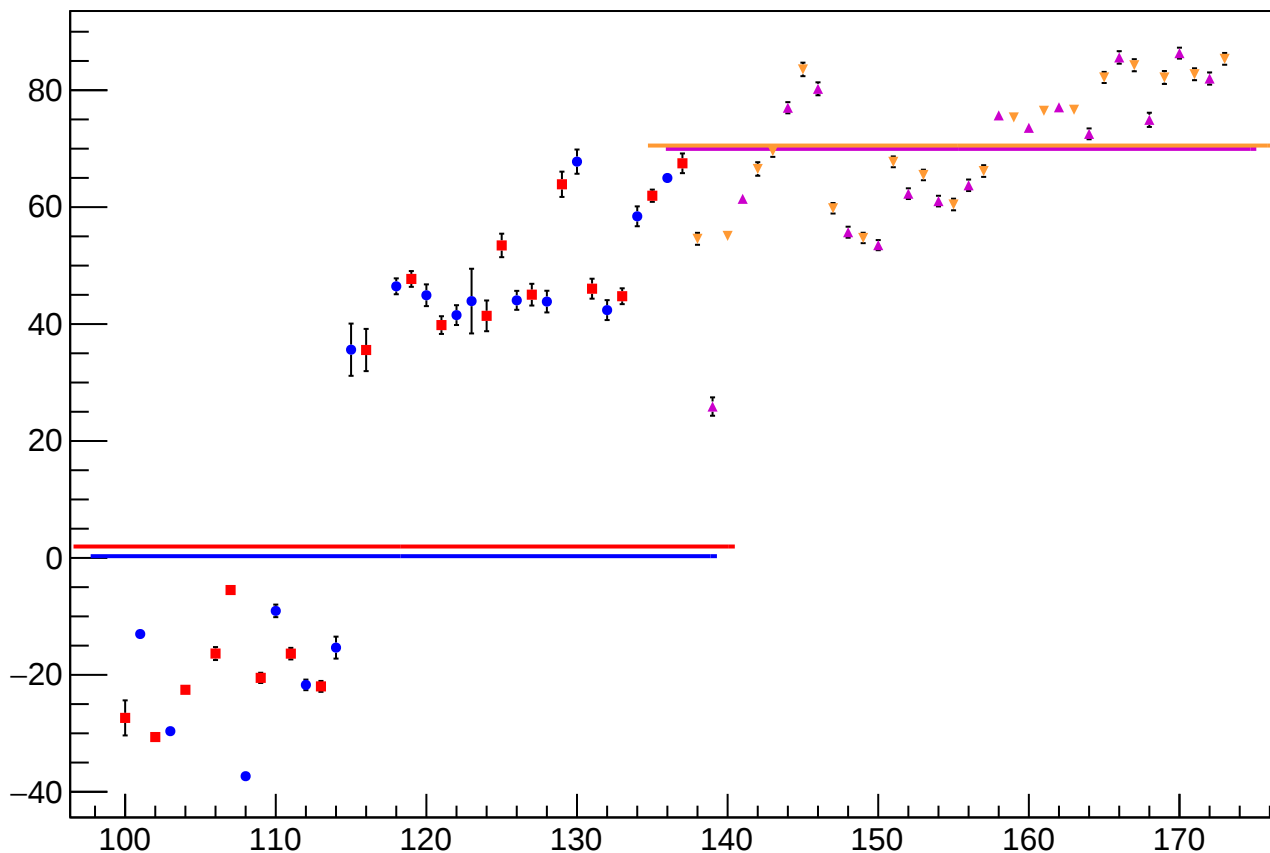
Left In: 52.013 ± 0.263 $\chi^2/\text{NDF}: 992.4/16$

+ sign 33.035 ± 0.208 $\chi^2/\text{NDF}: 16105.3/35$

All: 33.795 ± 0.150 $\chi^2/\text{NDF}: 30935.6/71$

- sign 34.610 ± 0.216 $\chi^2/\text{NDF}: 14802.7/35$

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 $\pm$ 0.247 χ^2 /NDF: 18259.2/16

Left Out: 70.532 $\pm$ 0.214 χ^2 /NDF:2325.9/18

Right Out: 1.952 $\pm$ 0.267 χ^2 /NDF: 15450.6/18

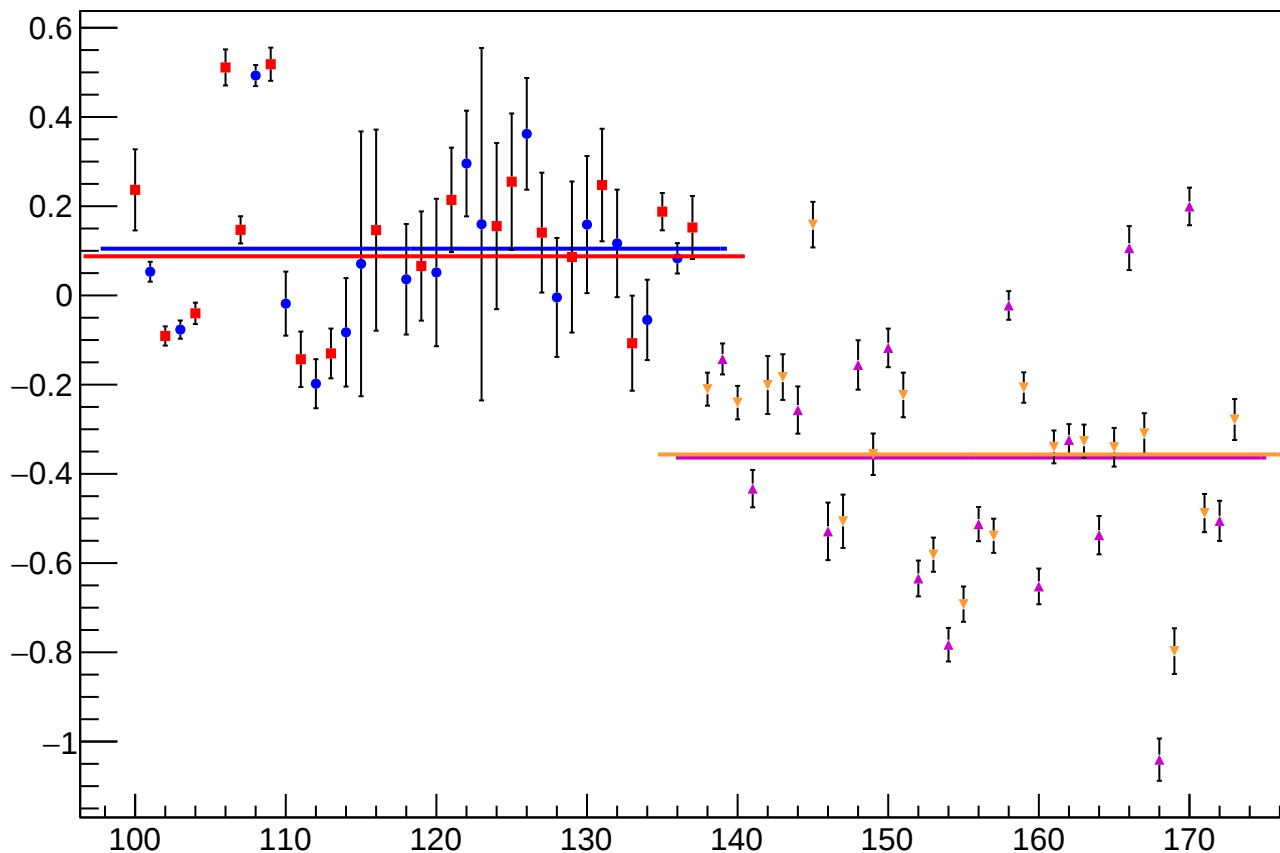
Left In: 69.963 $\pm$ 0.227 χ^2 /NDF:2669.9/16

+ sign 40.458 $\pm$ 0.162 χ^2 /NDF: 66658.4/35

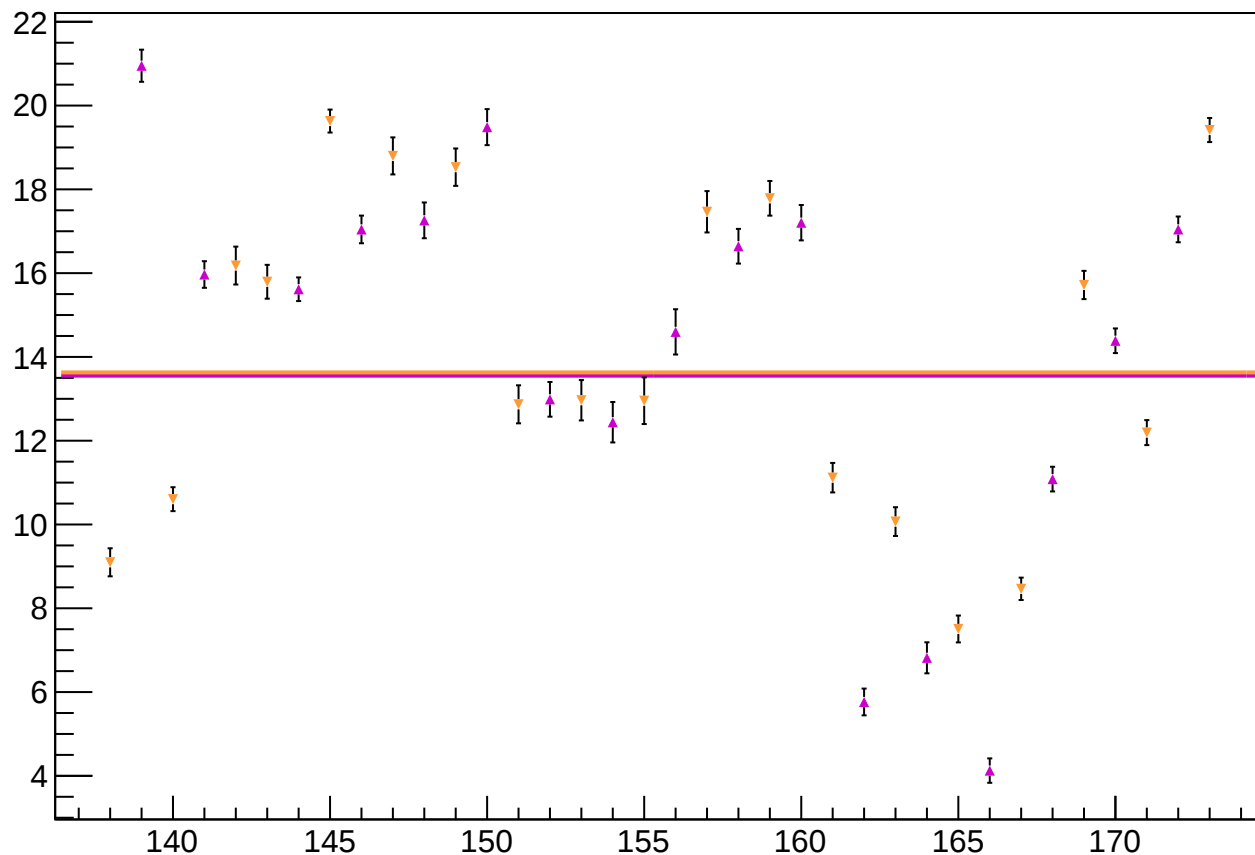
All: 40.911 $\pm$ 0.118 χ^2 /NDF: 122558.7/71

- sign 41.426 $\pm$ 0.173 χ^2 /NDF: 55883.5/35

reg_asym_sam6_diff_bpm12X_slope vs Slug



reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 13.630+/-0.082 χ^2/NDF : 2624.7/18

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

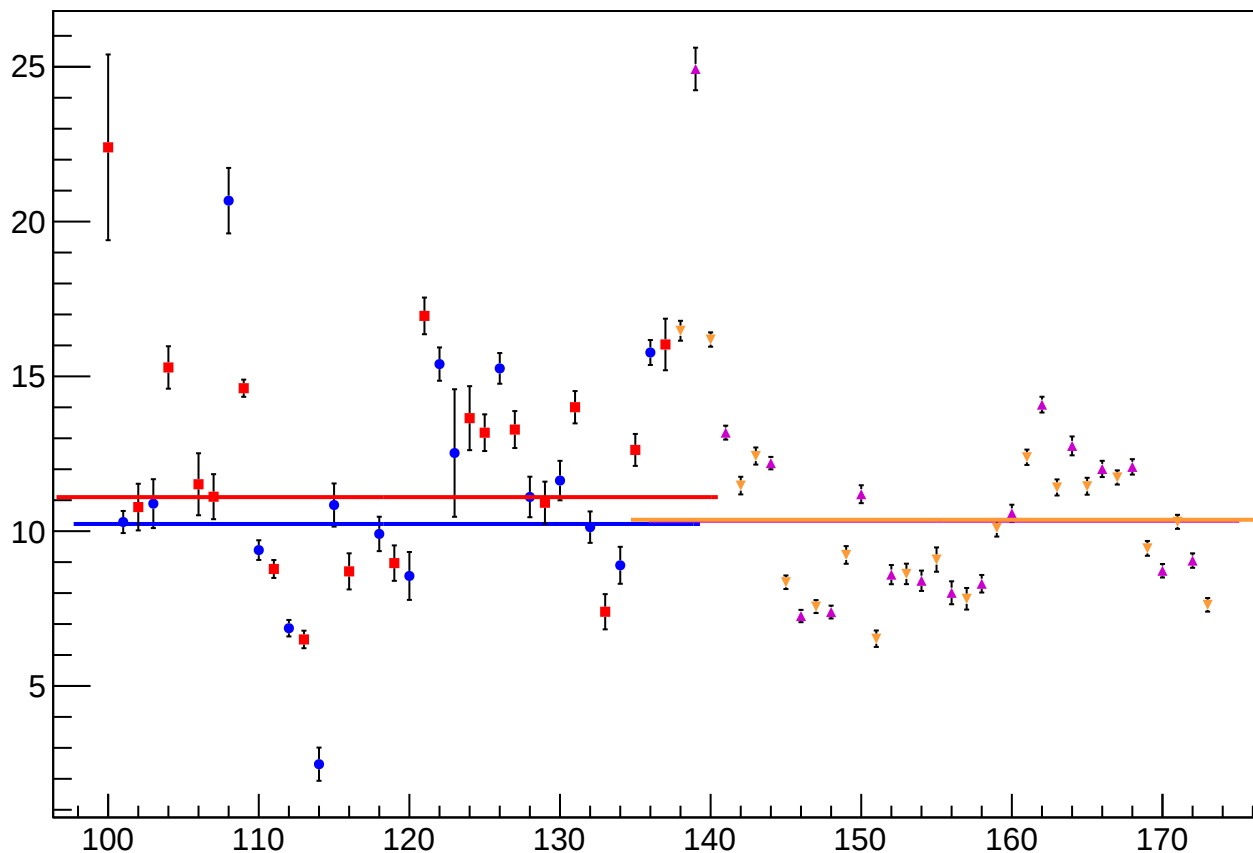
Left In: 13.553+/-0.085 χ^2/NDF : 3182.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 13.593+/-0.059 χ^2/NDF : 5807.2/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 10.368 $\pm$ 0.060 χ^2 /NDF:1950.4/18

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

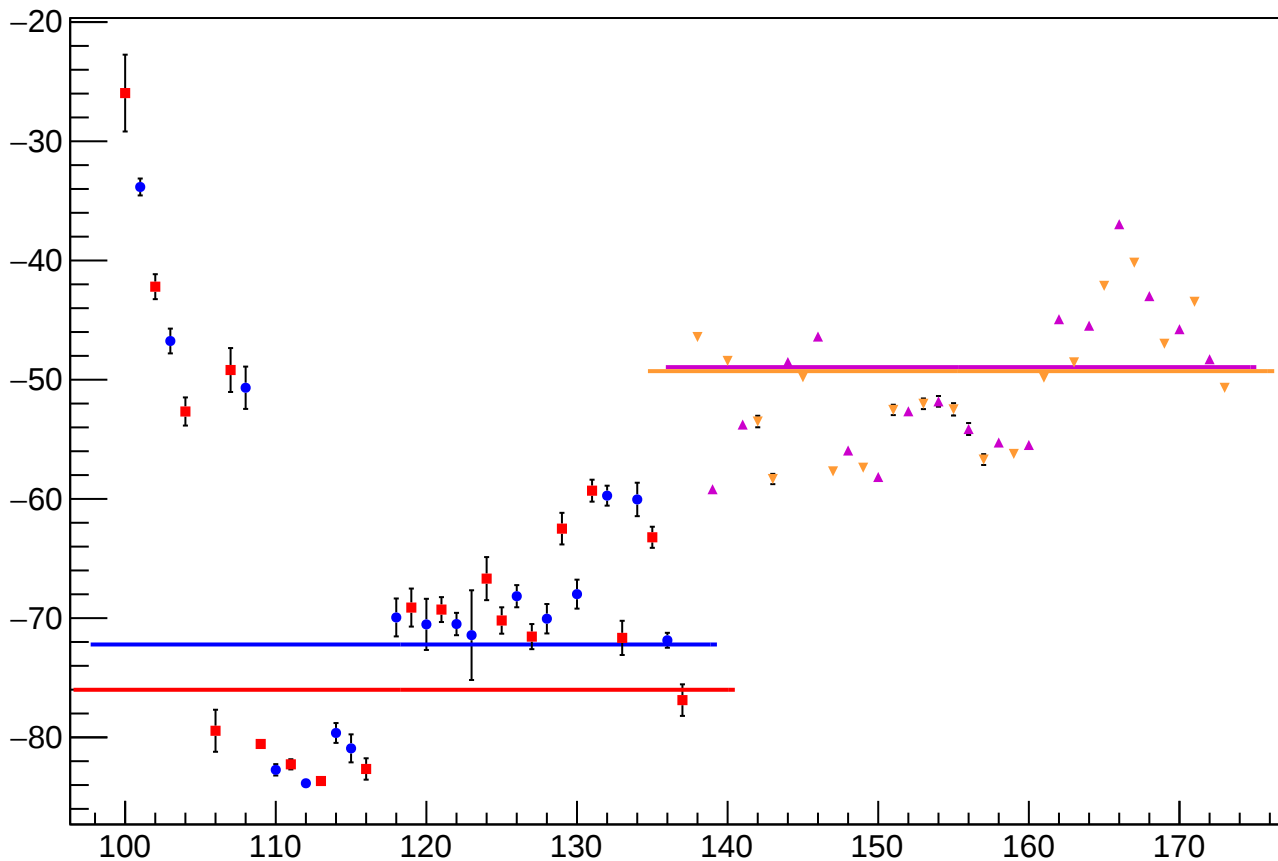
Left In: 10.338 $\pm$ 0.063 χ^2 /NDF:1756.6/16

+ sign 10.341 $\pm$ 0.053 χ^2 /NDF: 2828.2/35

All: 10.422 $\pm$ 0.038 χ^2 /NDF: 5440.6/71

- sign 10.509 $\pm$ 0.055 χ^2 /NDF: 2607.7/35

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -49.281+/-0.082 χ^2/NDF : 4171.6/18

Right Out: -76.009+/-0.181 χ^2/NDF : 3463.3/18

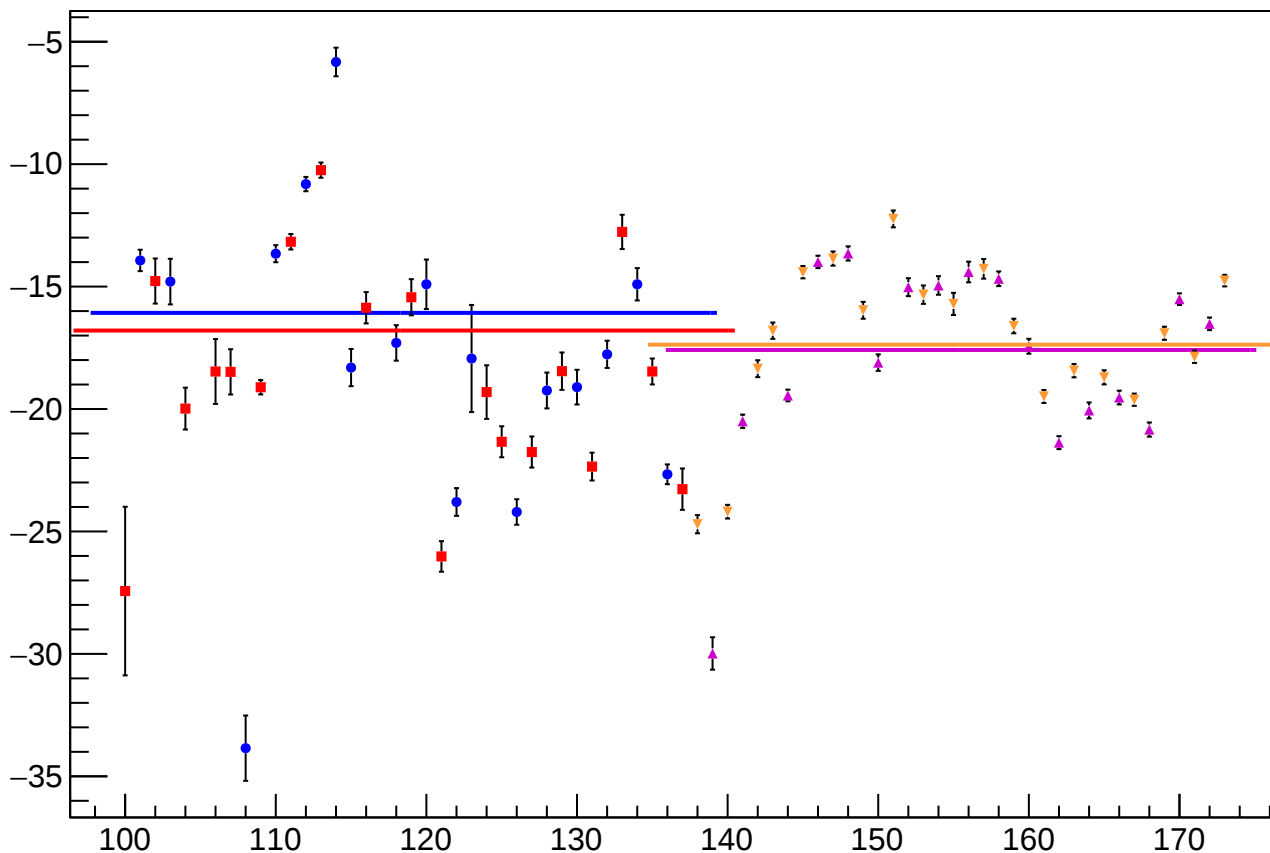
Left In: -48.944+/-0.085 χ^2/NDF : 4913.2/16

+ sign -52.629+/-0.076 χ^2/NDF : 21192.3/35

All: -53.214+/-0.054 χ^2/NDF : 48027.3/71

- sign -53.816+/-0.077 χ^2/NDF : 26713.7/35

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -17.372 ± 0.068 χ^2/NDF : 1935.3/18

Right Out: -16.795 ± 0.128 χ^2/NDF : 1216.0/18

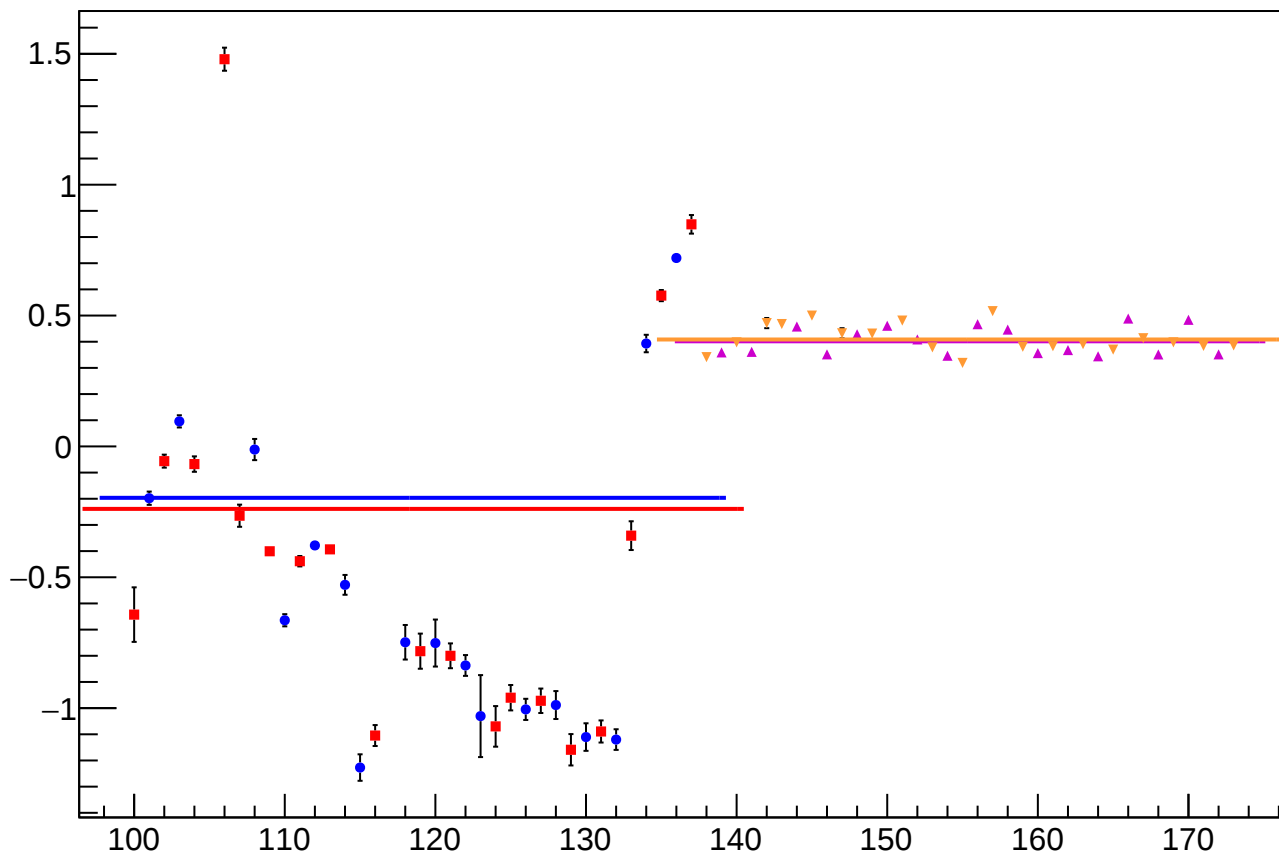
Left In: -17.588 ± 0.072 χ^2/NDF : 1689.7/16

+ sign -17.099 ± 0.061 χ^2/NDF : 3651.7/35

All: -17.243 ± 0.044 χ^2/NDF : 6598.2/71

- sign -17.398 ± 0.063 χ^2/NDF : 2934.9/35

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.409 ± 0.003 χ^2/NDF : 233.7/18

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

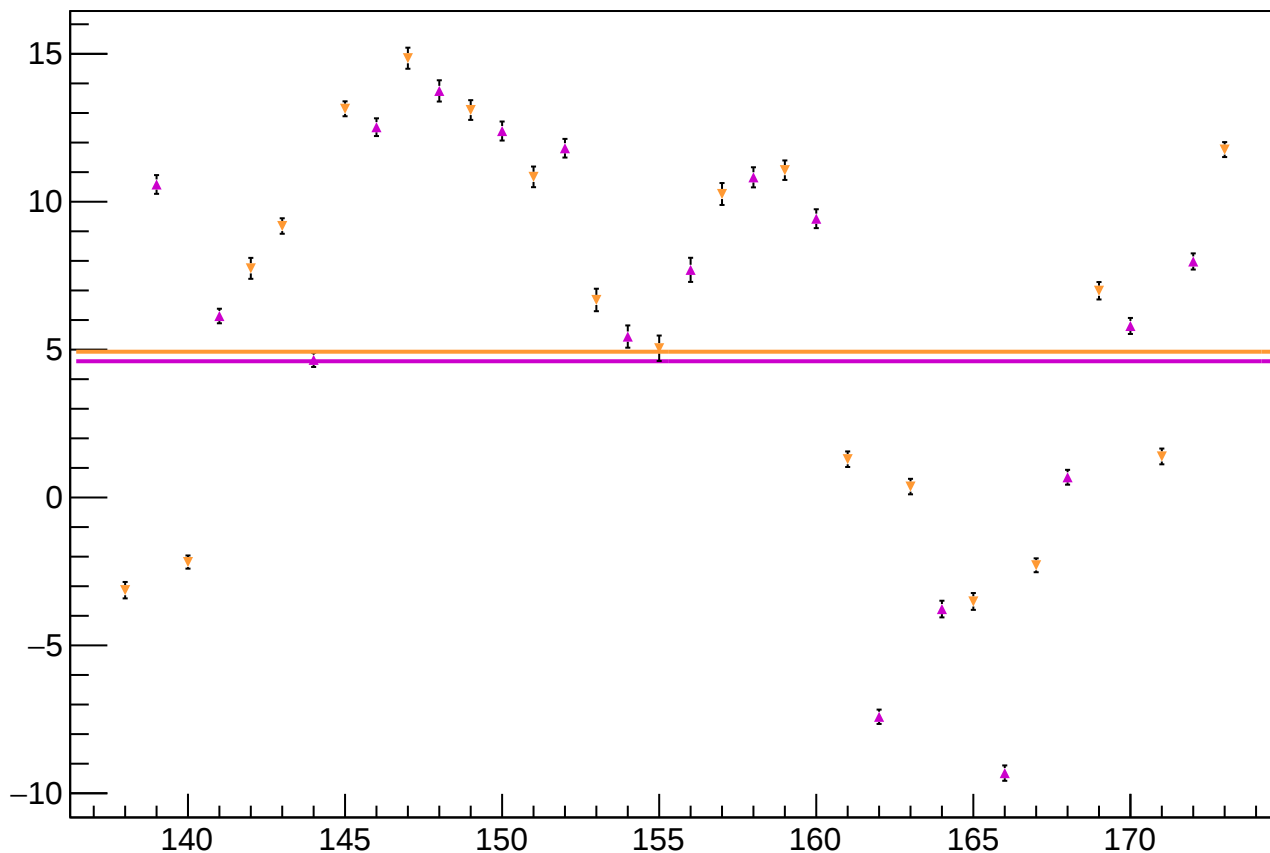
Left In: 0.402 ± 0.003 χ^2/NDF : 275.1/16

+ sign 0.317 ± 0.003 χ^2/NDF : 12017.6/35

All: 0.303 ± 0.002 χ^2/NDF : 25079.9/71

- sign 0.289 ± 0.003 χ^2/NDF : 13015.6/35

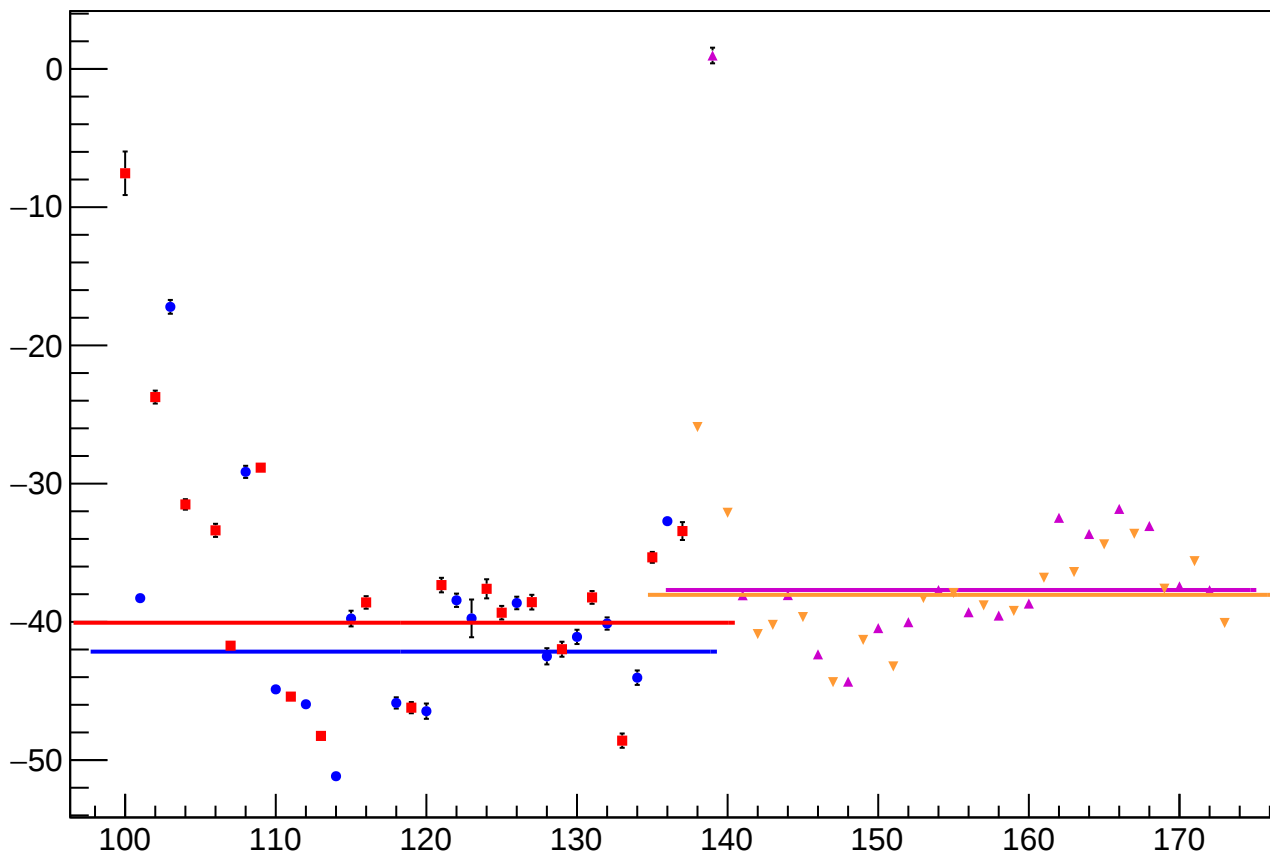
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.929 $\pm$ 0.067 χ^2 /NDF:8760.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.606 $\pm$ 0.071 χ^2 /NDF:10102.2/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 4.777 $\pm$ 0.048 χ^2 /NDF: 18873.8/35
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -38.045 ± 0.048 χ^2/NDF : 6837.6/18

Right Out: -40.062 ± 0.073 χ^2/NDF : 11322.2/18

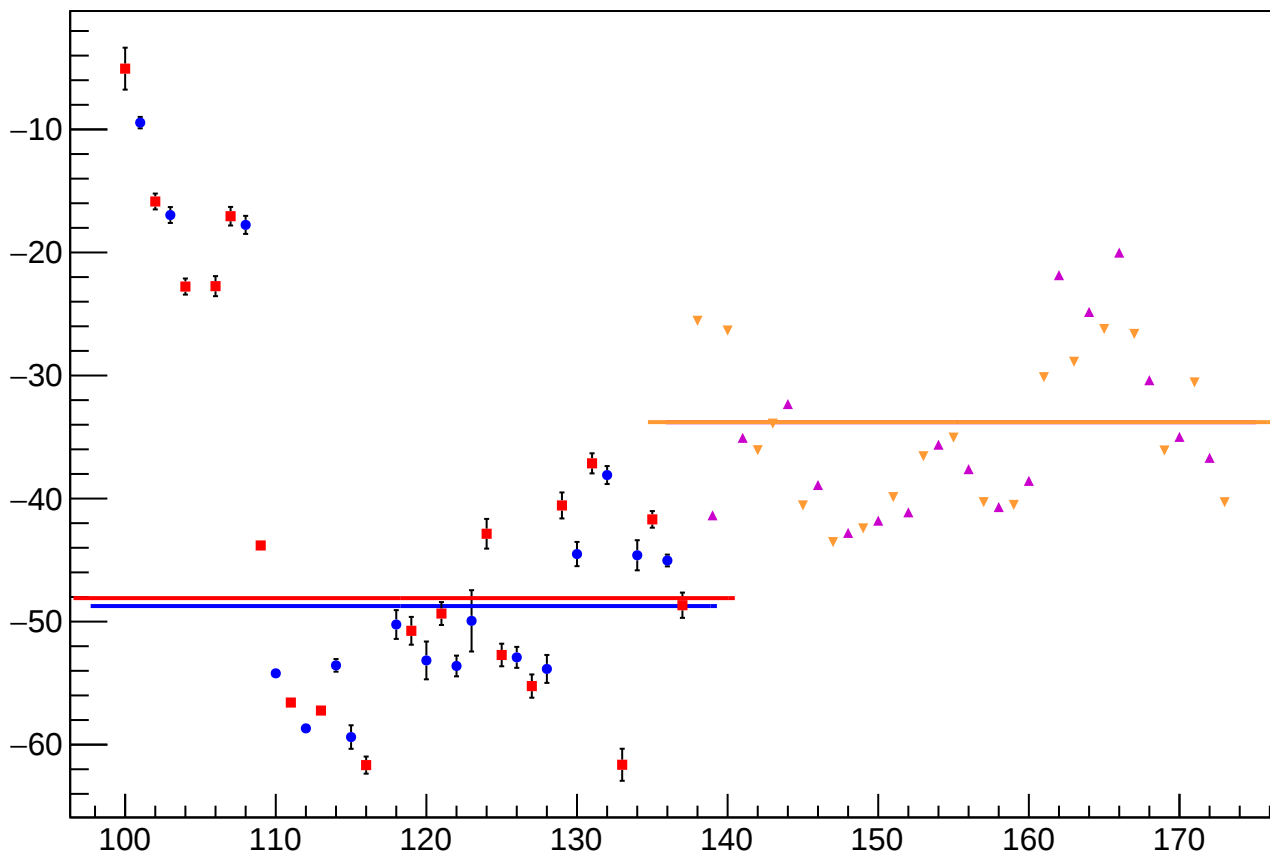
Left In: -37.694 ± 0.052 χ^2/NDF : 9214.1/16

+ sign -39.185 ± 0.041 χ^2/NDF : 15398.7/35

All: -38.848 ± 0.029 χ^2/NDF : 36775.5/71

- sign -38.492 ± 0.042 χ^2/NDF : 21238.6/35

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -33.788 ± 0.067 $\chi^2/\text{NDF}: 8293.0/18$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

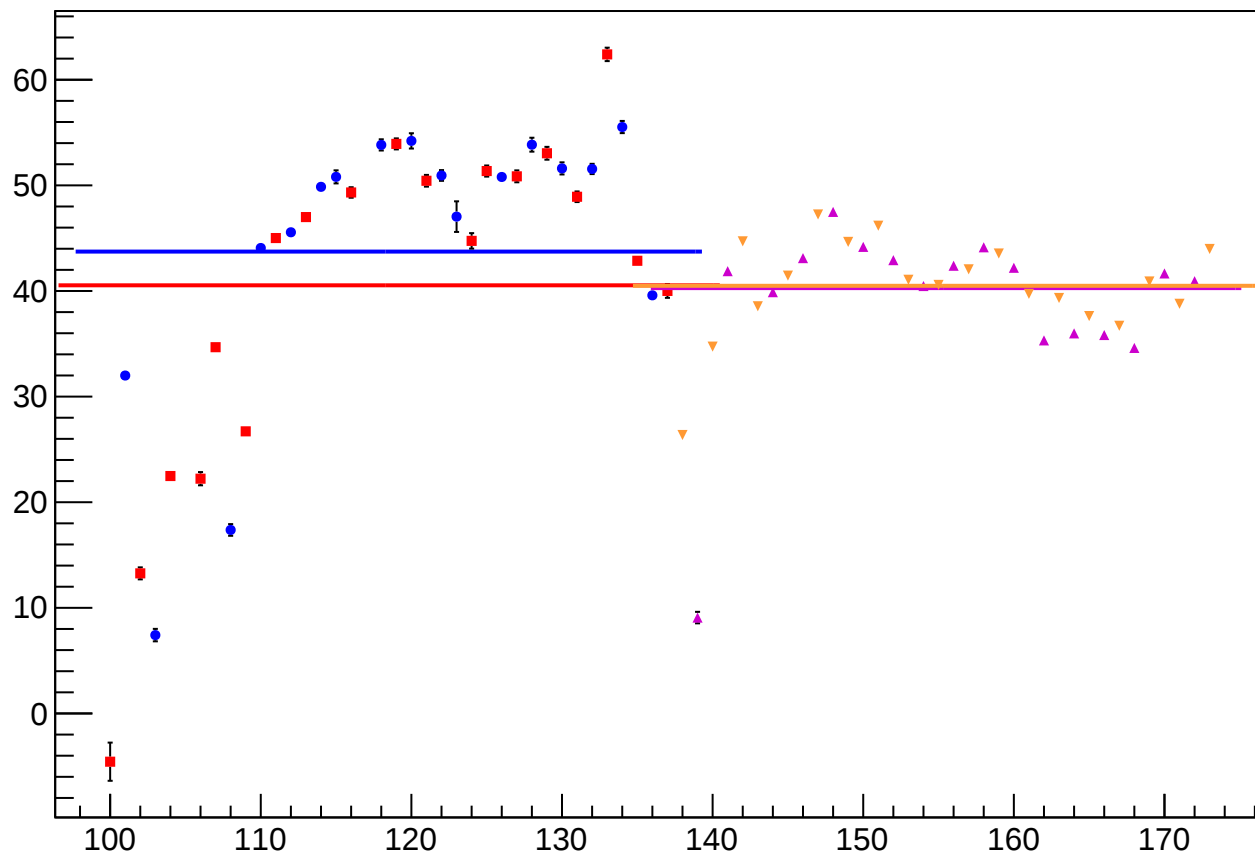
Left In: -33.797 ± 0.070 $\chi^2/\text{NDF}: 10443.0/16$

+ sign -37.114 ± 0.059 $\chi^2/\text{NDF}: 34149.3/35$

All: -37.583 ± 0.041 $\chi^2/\text{NDF}: 68937.5/71$

- sign -38.048 ± 0.058 $\chi^2/\text{NDF}: 34661.2/35$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 ± 0.087 $\chi^2/\text{NDF}: 10567.7/16$

Left Out: 40.491 ± 0.056 $\chi^2/\text{NDF}: 5652.6/18$

Right Out: 40.537 ± 0.080 $\chi^2/\text{NDF}: 17601.3/18$

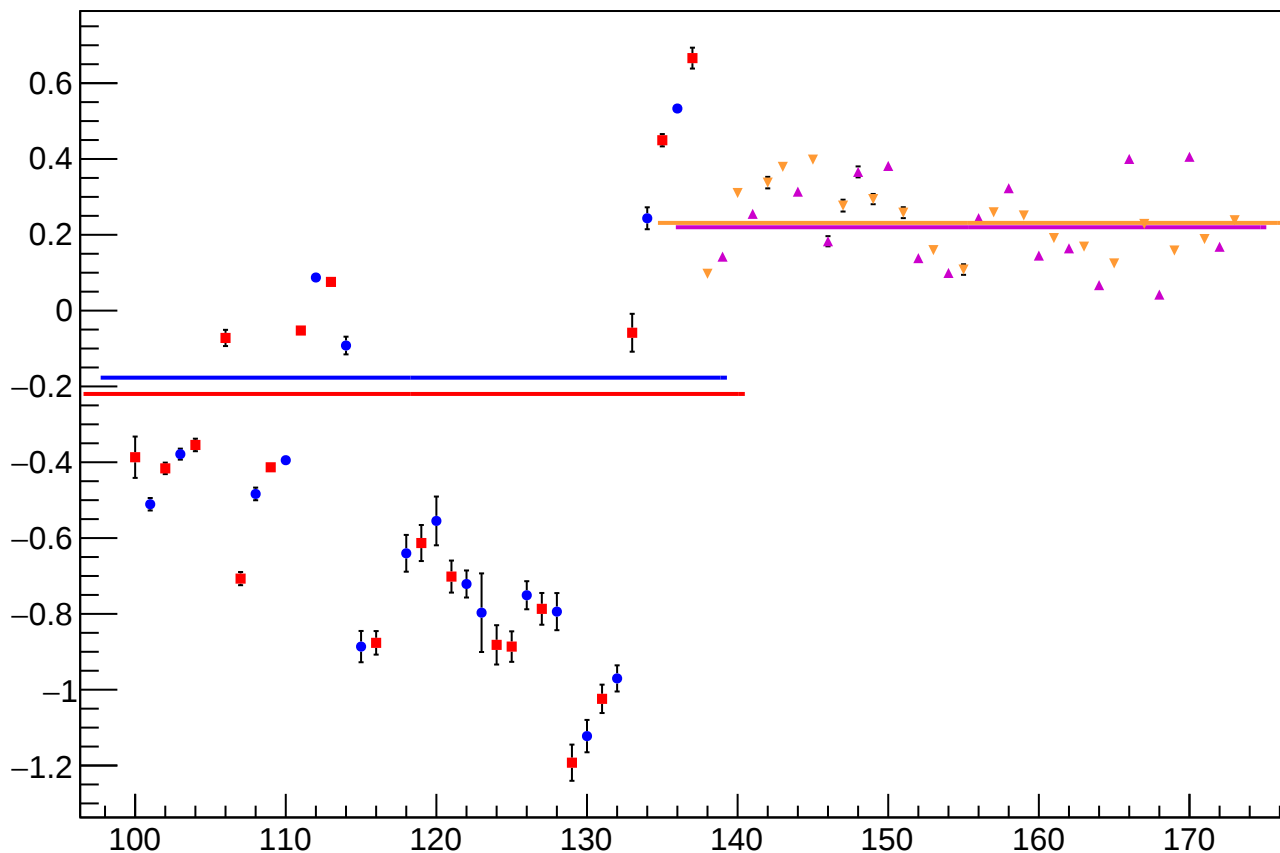
Left In: 40.272 ± 0.059 $\chi^2/\text{NDF}: 6825.8/16$

+ sign 41.431 ± 0.047 $\chi^2/\text{NDF}: 17208.3/35$

All: 40.910 ± 0.033 $\chi^2/\text{NDF}: 41896.1/71$

- sign 40.366 ± 0.048 $\chi^2/\text{NDF}: 24434.2/35$

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.231 ± 0.003 χ^2/NDF : 1016.5/18

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

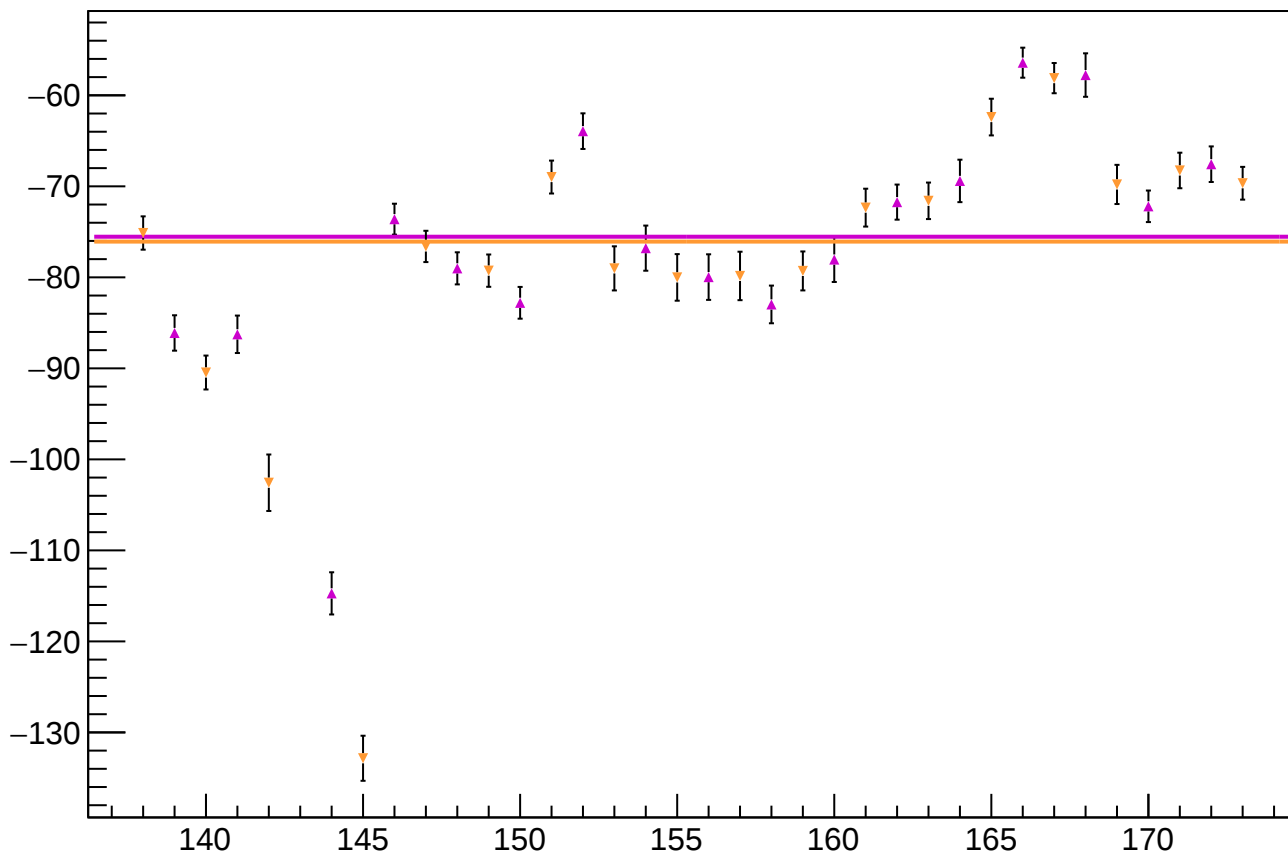
Left In: 0.220 ± 0.003 χ^2/NDF : 1841.8/16

+ sign 0.140 ± 0.002 χ^2/NDF : 13912.1/35

All: 0.117 ± 0.002 χ^2/NDF : 30839.1/71

- sign 0.094 ± 0.002 χ^2/NDF : 16720.1/35

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -76.071+/-0.478 χ^2/NDF : 893.9/17

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

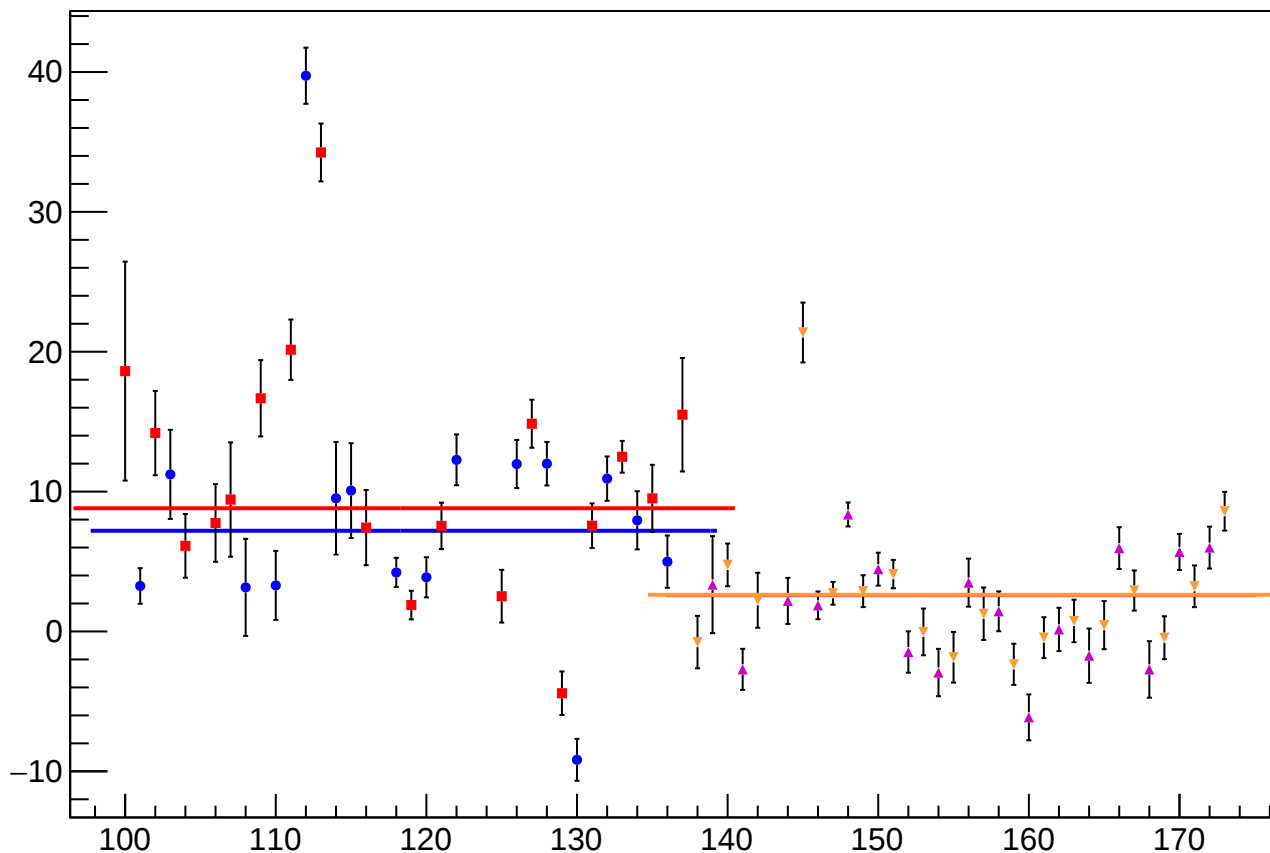
Left In: -75.536+/-0.485 χ^2/NDF : 638.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -75.808+/-0.340 χ^2/NDF : 1532.8/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.623 ± 0.334 χ^2/NDF : 135.2/17

Right Out: 8.810 ± 0.448 χ^2/NDF : 349.7/17

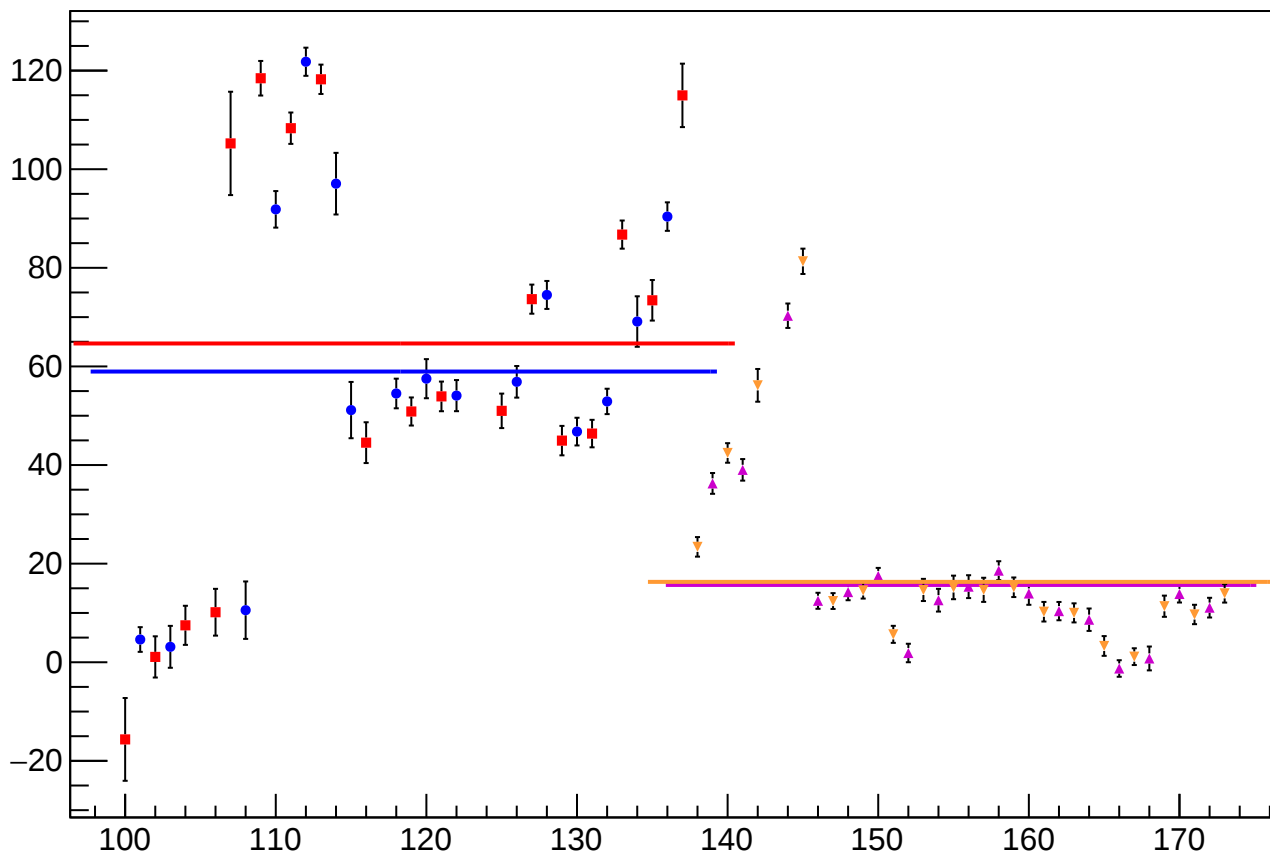
Left In: 2.596 ± 0.344 χ^2/NDF : 139.4/16

+ sign 4.297 ± 0.266 χ^2/NDF : 647.7/33

All: 4.592 ± 0.190 χ^2/NDF : 1260.3/68

- sign 4.904 ± 0.273 χ^2/NDF : 610.1/34

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 16.303 $\pm$ 0.471 χ^2 /NDF:1177.2/17

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

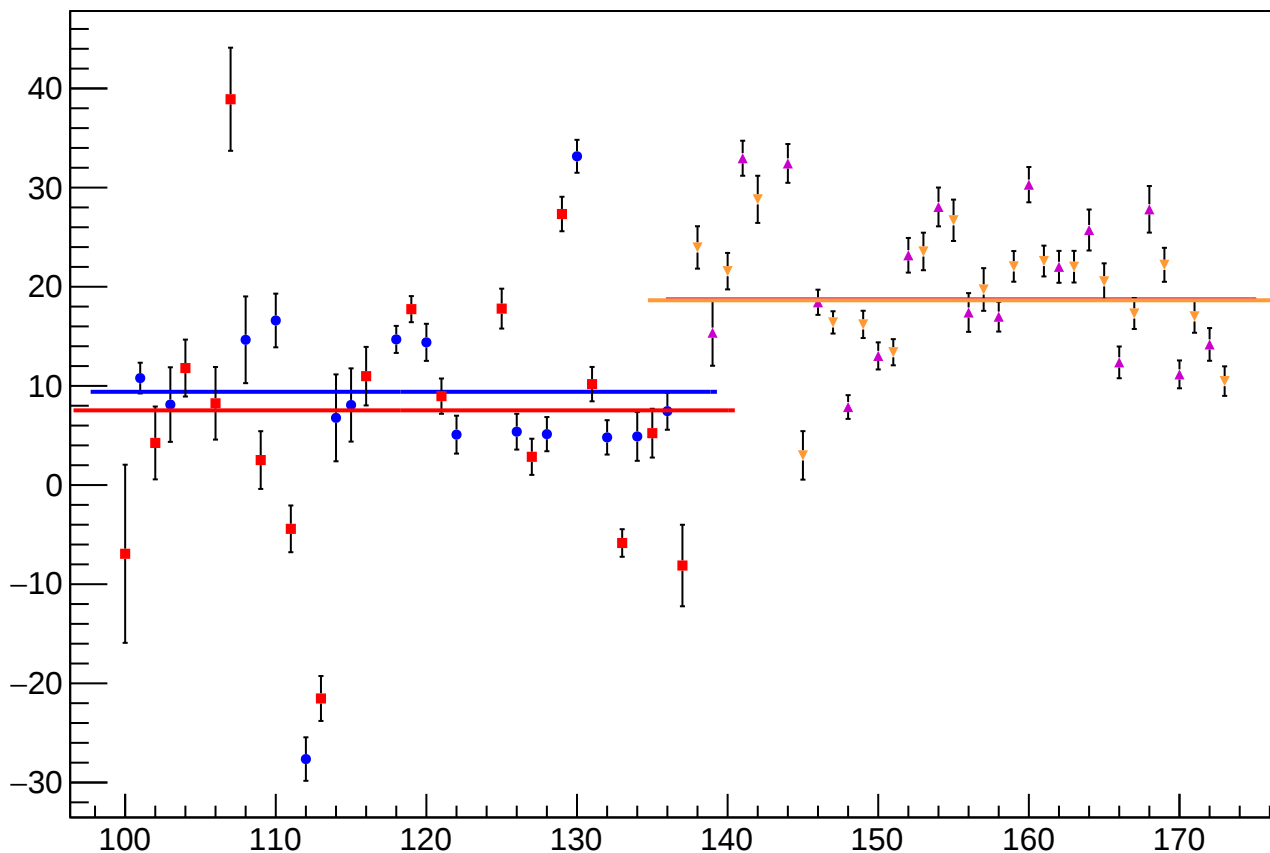
Left In: 15.681 $\pm$ 0.475 χ^2 /NDF:923.4/16

+ sign 26.568 $\pm$ 0.411 χ^2 /NDF: 4646.4/33

All: 27.055 $\pm$ 0.291 χ^2 /NDF: 9869.8/68

- sign 27.549 $\pm$ 0.414 χ^2 /NDF: 5220.5/34

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 18.636 ± 0.390 χ^2/NDF : 165.8/17

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

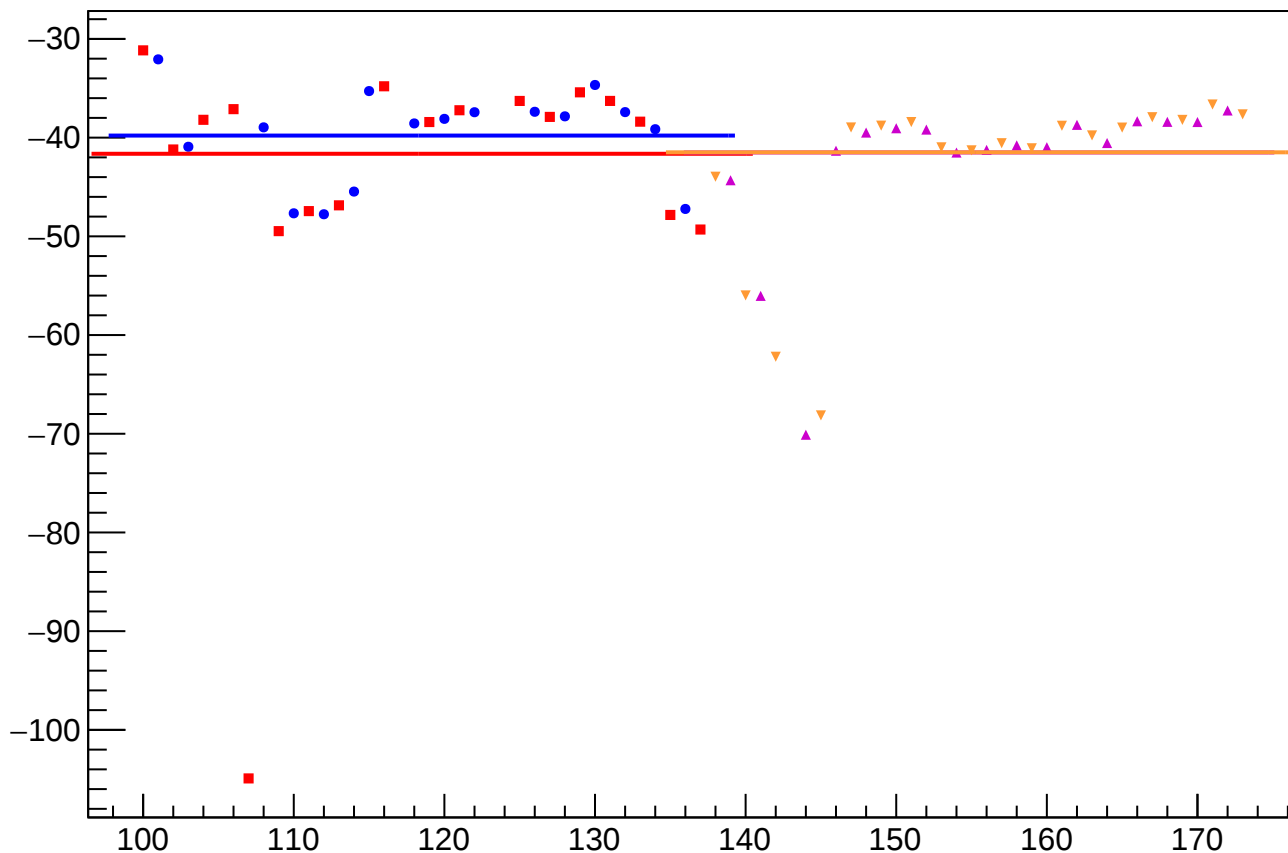
Left In: 18.729 ± 0.402 χ^2/NDF : 371.1/16

+ sign 15.202 ± 0.309 χ^2/NDF : 923.7/33

All: 14.857 ± 0.221 χ^2/NDF : 2161.2/68

- sign 14.494 ± 0.317 χ^2/NDF : 1234.9/34

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -41.488 ± 0.018 χ^2/NDF : 141310.7/17

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

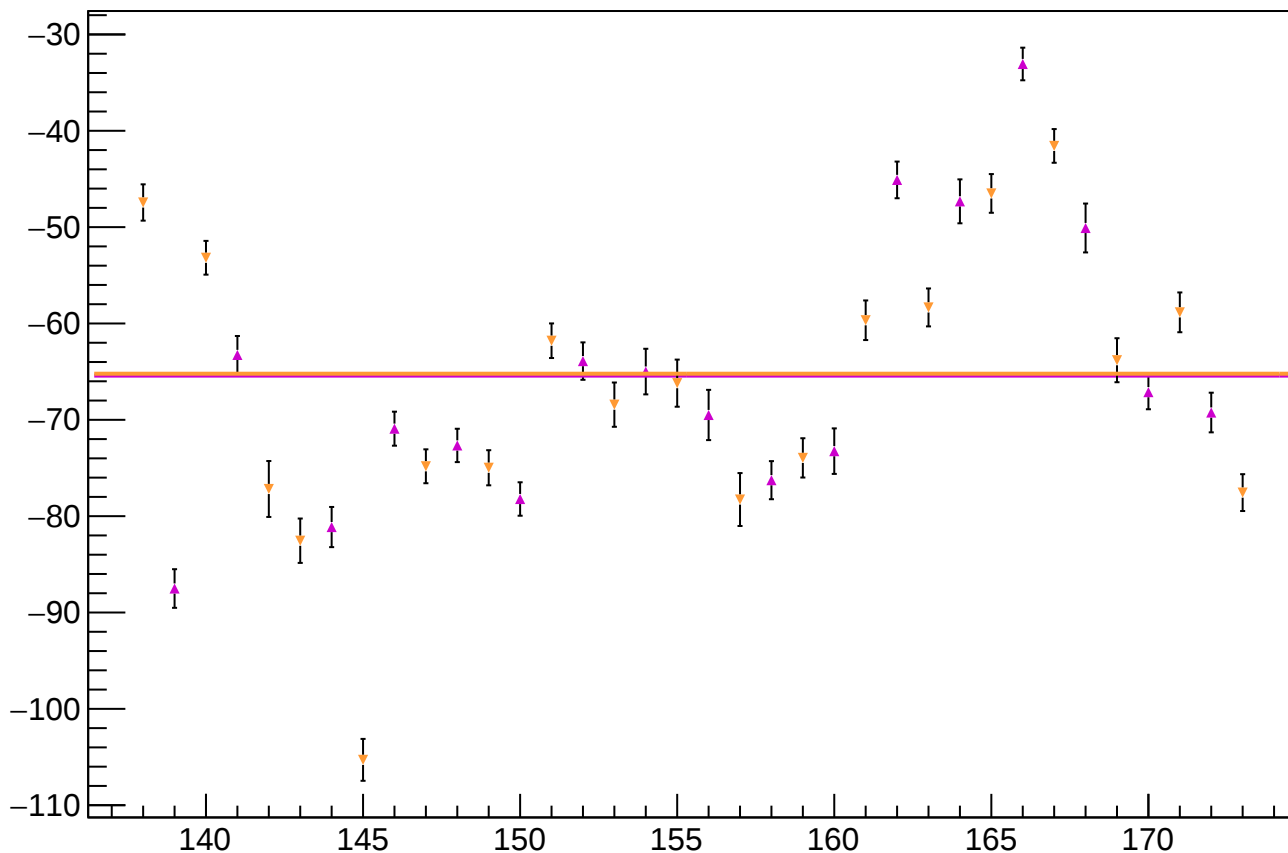
Left In: -41.501 ± 0.019 χ^2/NDF : 111231.8/16

+ sign -41.048 ± 0.016 χ^2/NDF : 169636.3/33

All: -41.291 ± 0.011 χ^2/NDF : 375744.1/68

- sign -41.537 ± 0.016 χ^2/NDF : 205638.5/34

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -65.213+/-0.468 χ^2/NDF : 995.2/18

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

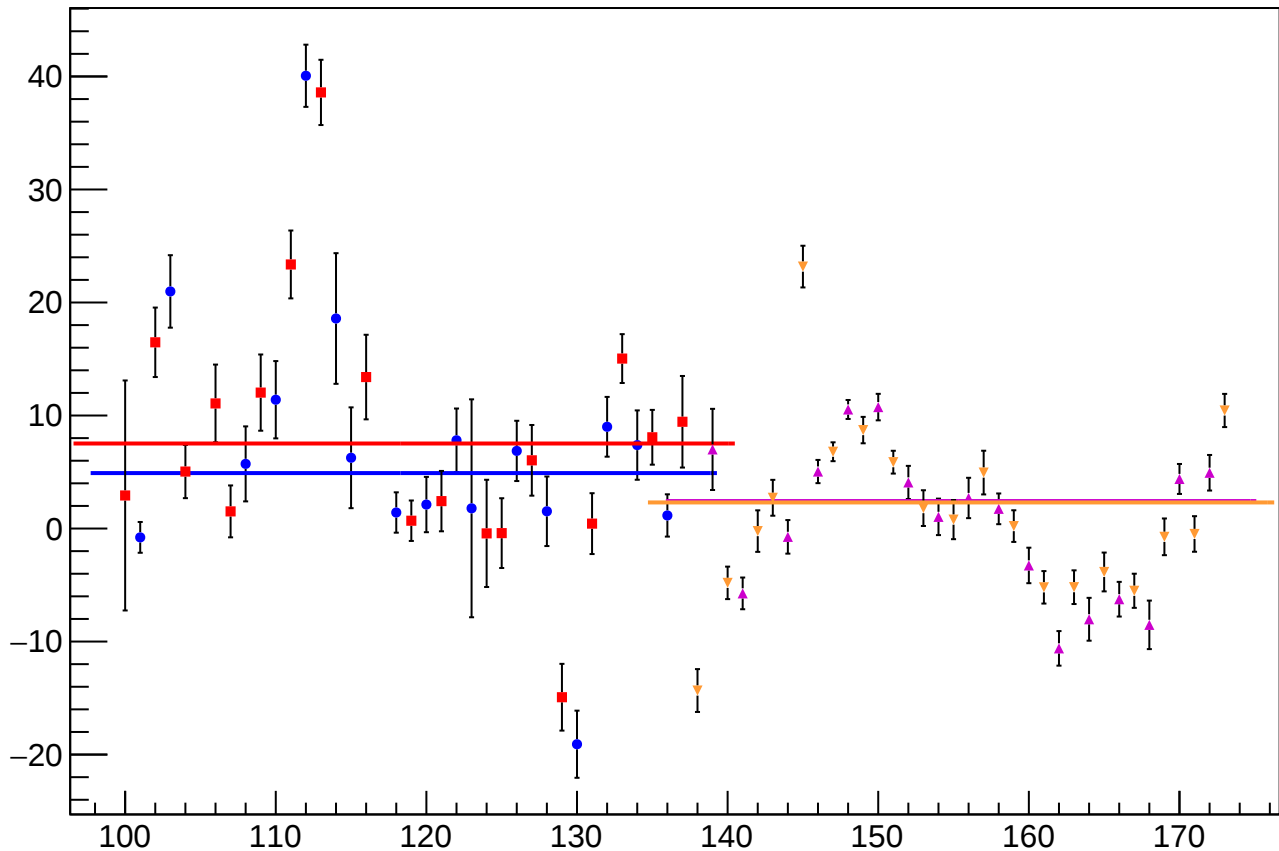
Left In: -65.410+/-0.484 χ^2/NDF : 888.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -65.309+/-0.336 χ^2/NDF : 1883.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 2.309 ± 0.327 χ^2/NDF : 437.5/18

Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

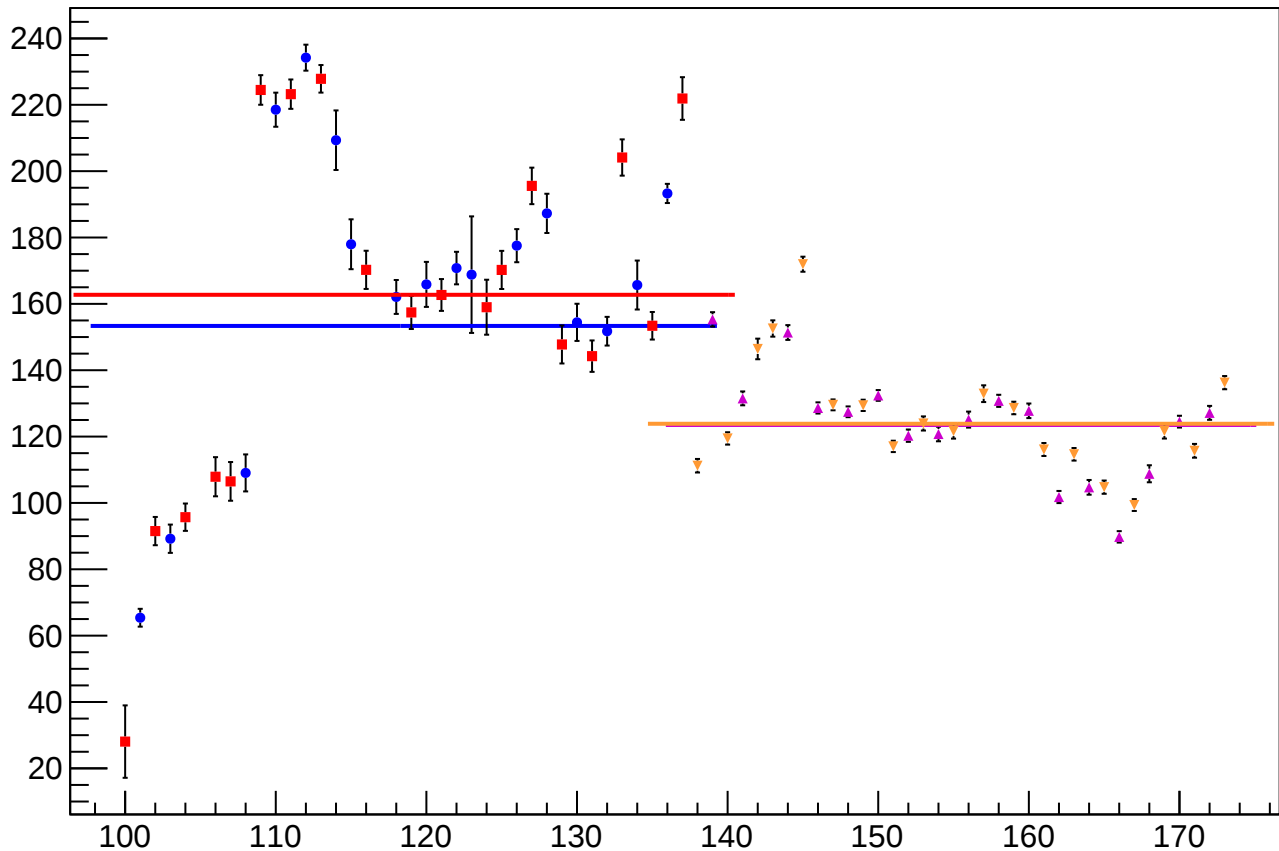
Left In: 2.431 ± 0.342 χ^2/NDF : 371.3/16

+ sign 2.862 ± 0.290 χ^2/NDF : 746.4/35

All: 3.183 ± 0.209 χ^2/NDF : 1438.9/71

- sign 3.532 ± 0.303 χ^2/NDF : 689.9/35

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 ± 1.150 χ^2/NDF : 2268.3/16

Left Out: 123.861 ± 0.463 χ^2/NDF : 1113.0/18

Right Out: 162.734 ± 1.177 χ^2/NDF : 1708.8/18

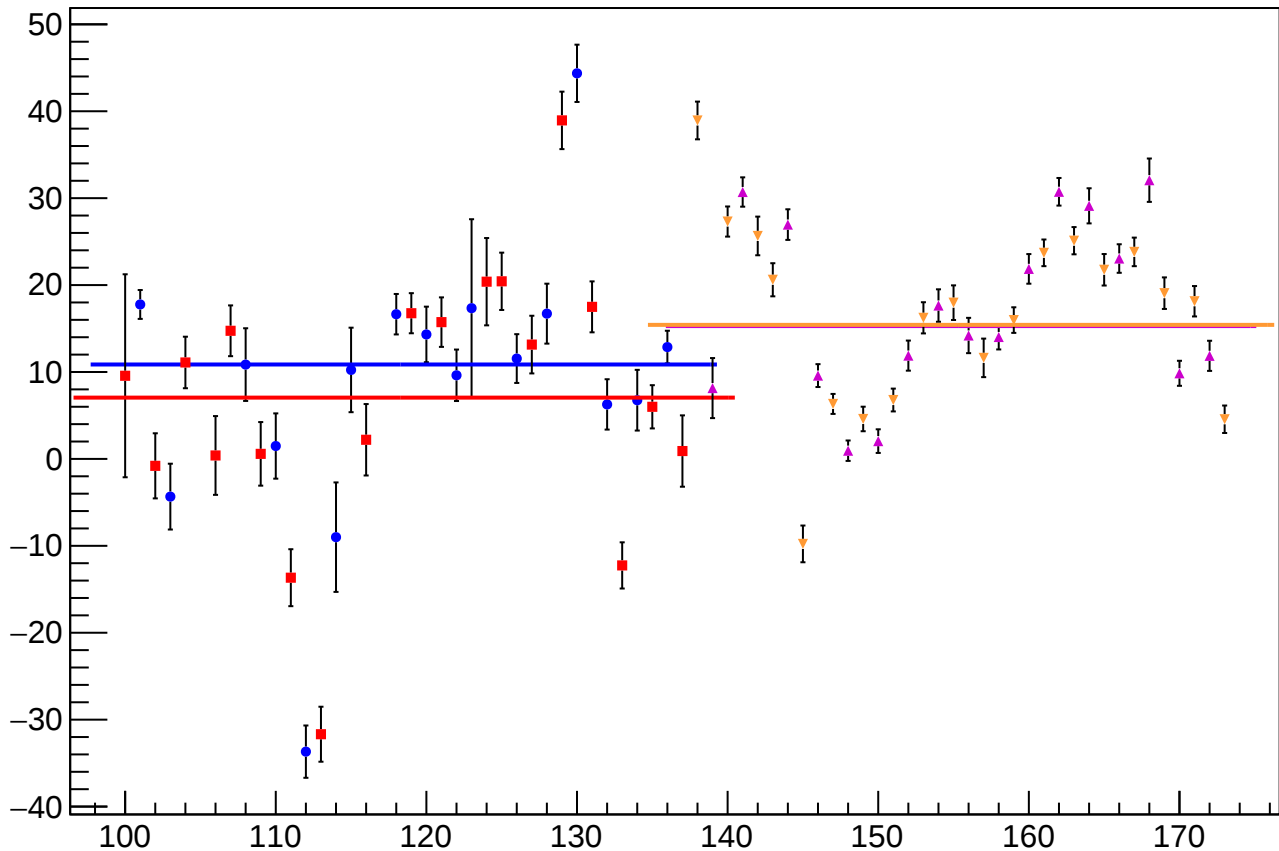
Left In: 123.498 ± 0.474 χ^2/NDF : 1086.3/16

+ sign 127.971 ± 0.429 χ^2/NDF : 3947.0/35

All: 128.457 ± 0.307 χ^2/NDF : 7701.3/71

- sign 128.967 ± 0.439 χ^2/NDF : 3751.7/35

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 15.422 $\pm$ 0.382 χ^2 /NDF: 664.4/18

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

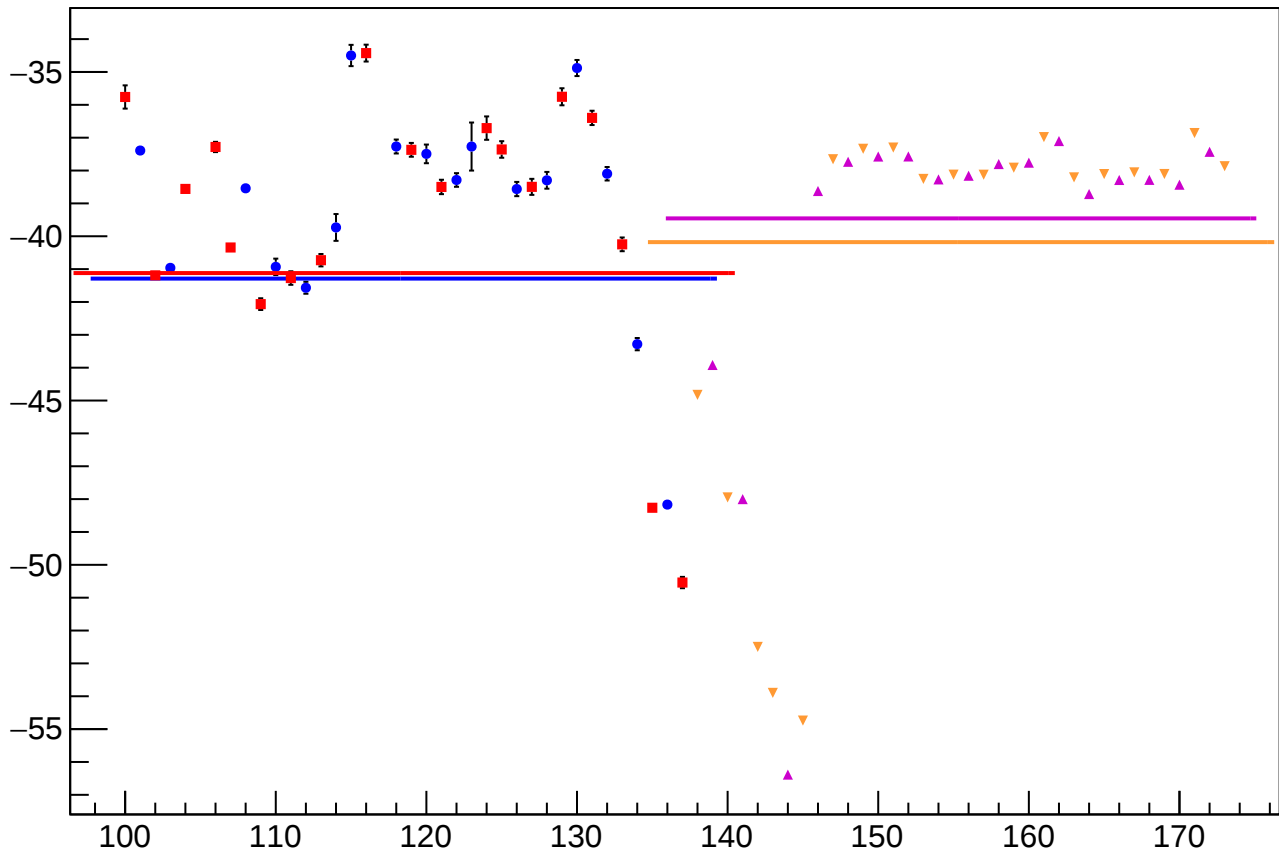
Left In: 15.283 $\pm$ 0.399 χ^2 /NDF: 642.9/16

+ sign 14.420 $\pm$ 0.337 χ^2 /NDF: 1083.6/35

All: 13.959 $\pm$ 0.244 χ^2 /NDF: 2249.5/71

- sign 13.458 $\pm$ 0.352 χ^2 /NDF: 1162.0/35

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -40.179 ± 0.018 $\chi^2/\text{NDF}: 82612.5/18$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

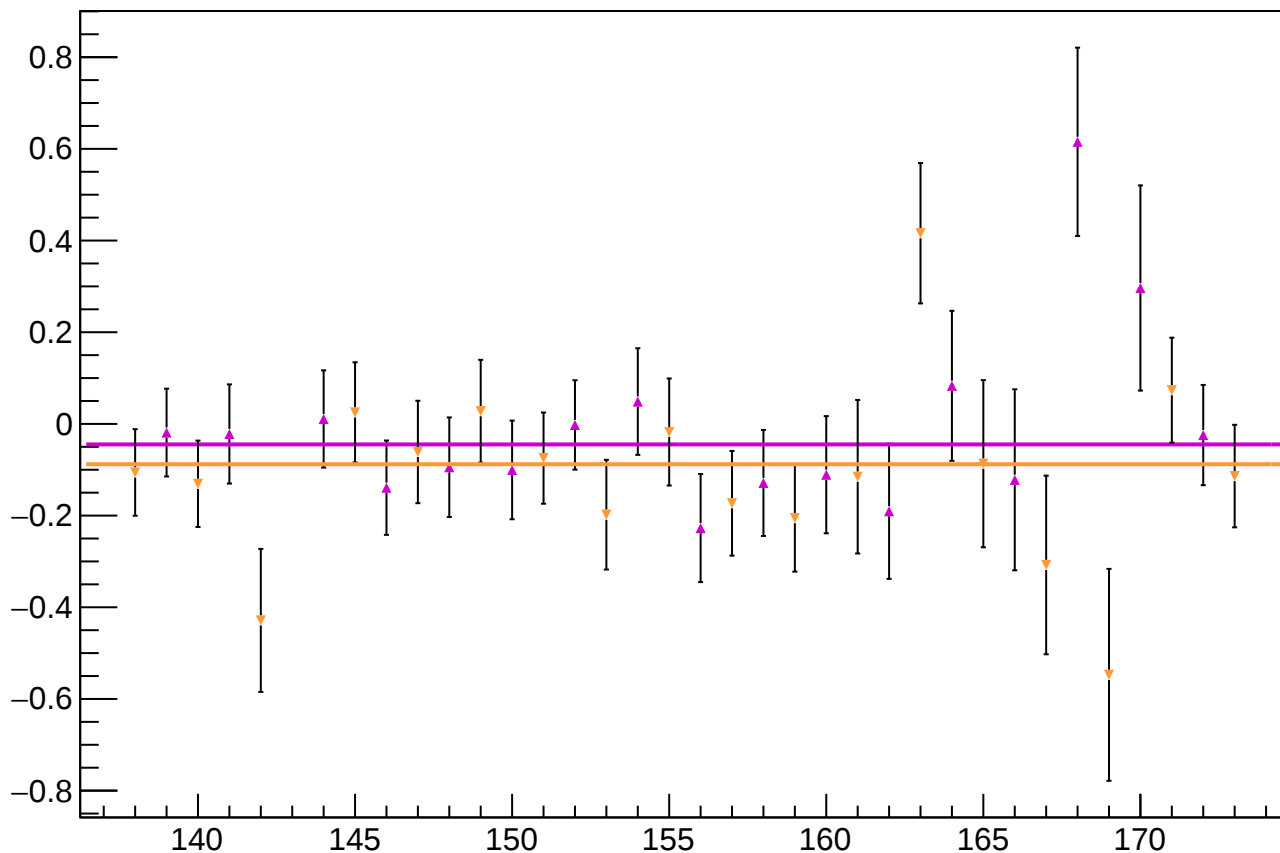
Left In: -39.456 ± 0.019 $\chi^2/\text{NDF}: 49918.2/16$

+ sign -40.380 ± 0.016 $\chi^2/\text{NDF}: 95798.3/35$

All: -40.081 ± 0.012 $\chi^2/\text{NDF}: 160006.2/71$

- sign -39.769 ± 0.017 $\chi^2/\text{NDF}: 63532.3/35$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.088+/-0.029 χ^2/NDF : 28.1/17

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

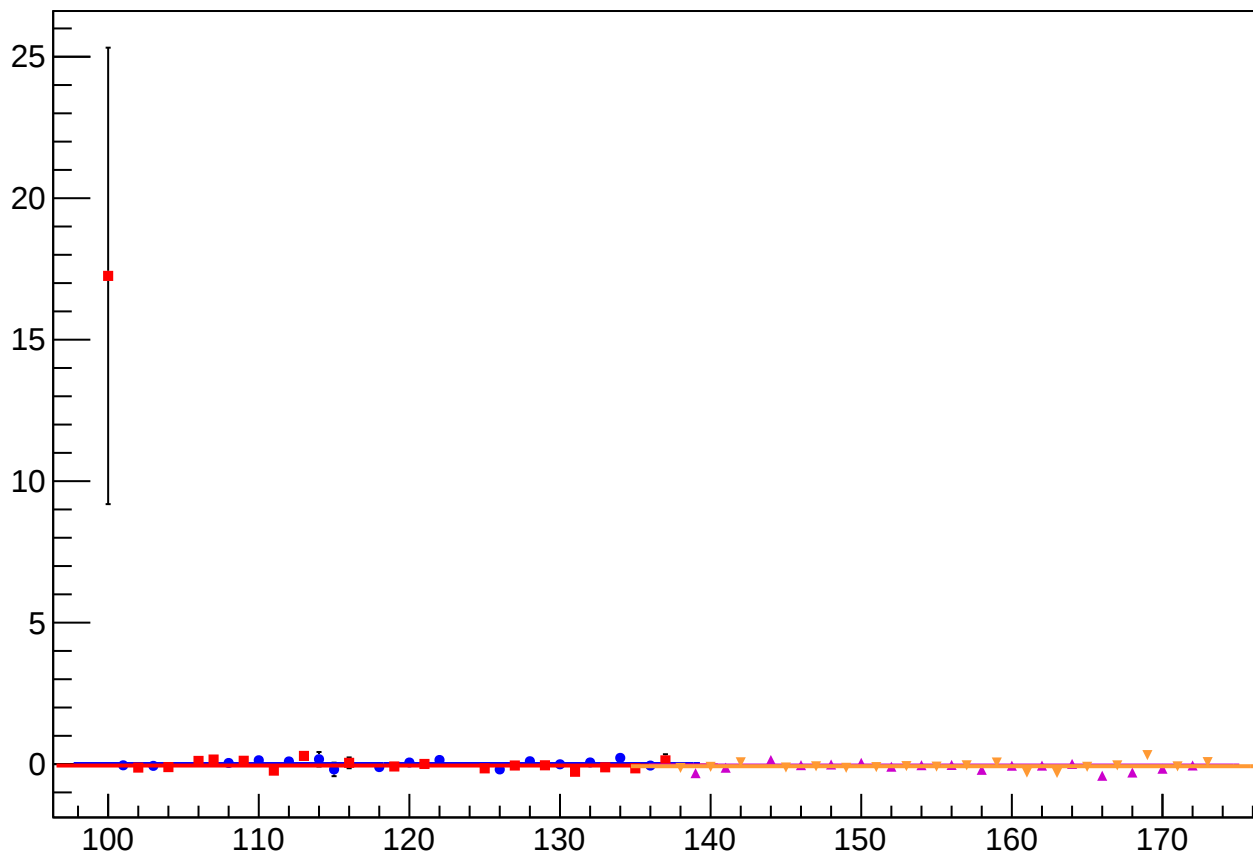
Left In: -0.045+/-0.029 χ^2/NDF : 20.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.067+/-0.020 χ^2/NDF : 49.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 $\pm$ 0.029 χ^2 /NDF: 12.4/15

Left Out: -0.074 $\pm$ 0.020 χ^2 /NDF: 22.7/17

Right Out: -0.050 $\pm$ 0.029 χ^2 /NDF: 25.6/17

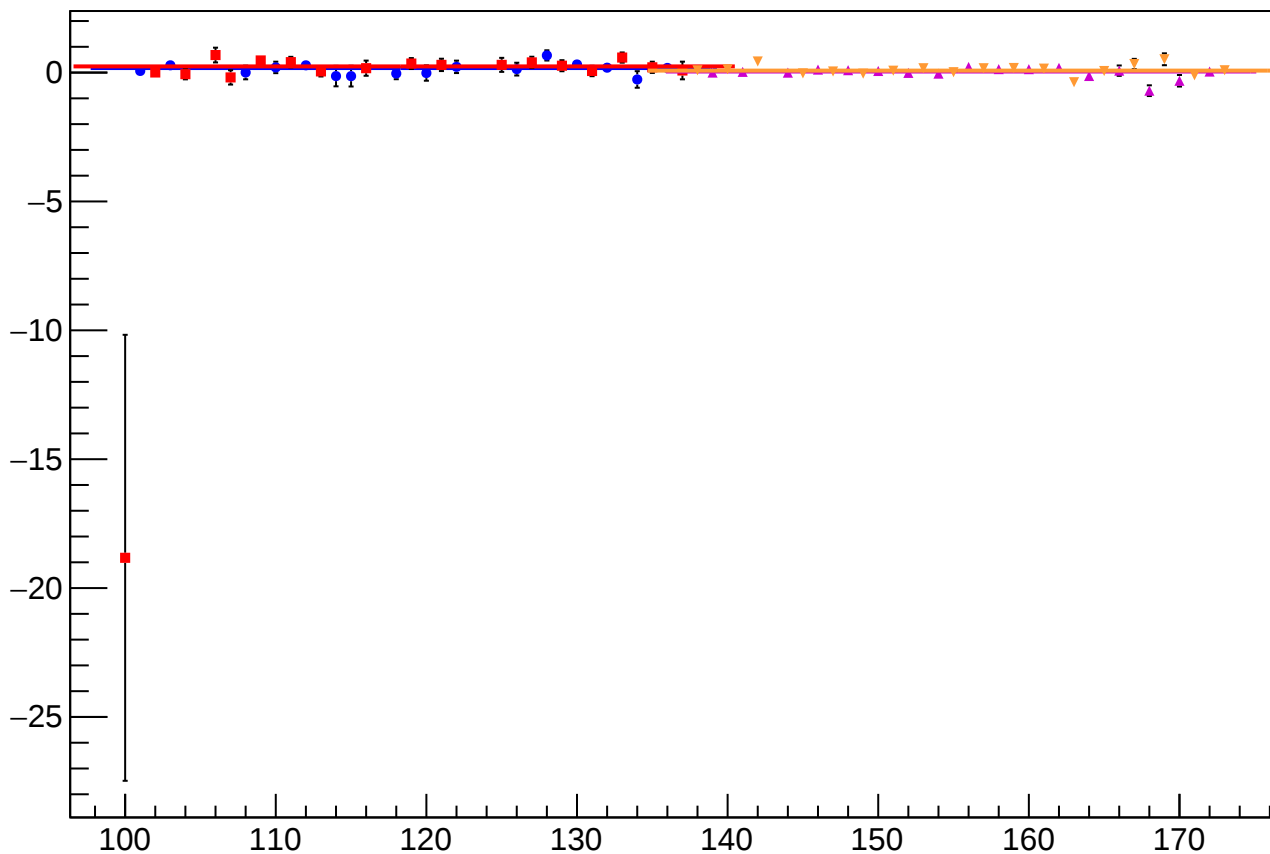
Left In: -0.050 $\pm$ 0.021 χ^2 /NDF: 23.0/16

+ sign -0.049 $\pm$ 0.016 χ^2 /NDF: 40.1/33

All: -0.049 $\pm$ 0.012 χ^2 /NDF: 88.6/68

- sign -0.050 $\pm$ 0.017 χ^2 /NDF: 48.6/34

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 ± 0.053 χ^2/NDF : 13.0/15

Left Out: 0.076 ± 0.028 χ^2/NDF : 27.0/17

Right Out: 0.240 ± 0.054 χ^2/NDF : 21.6/17

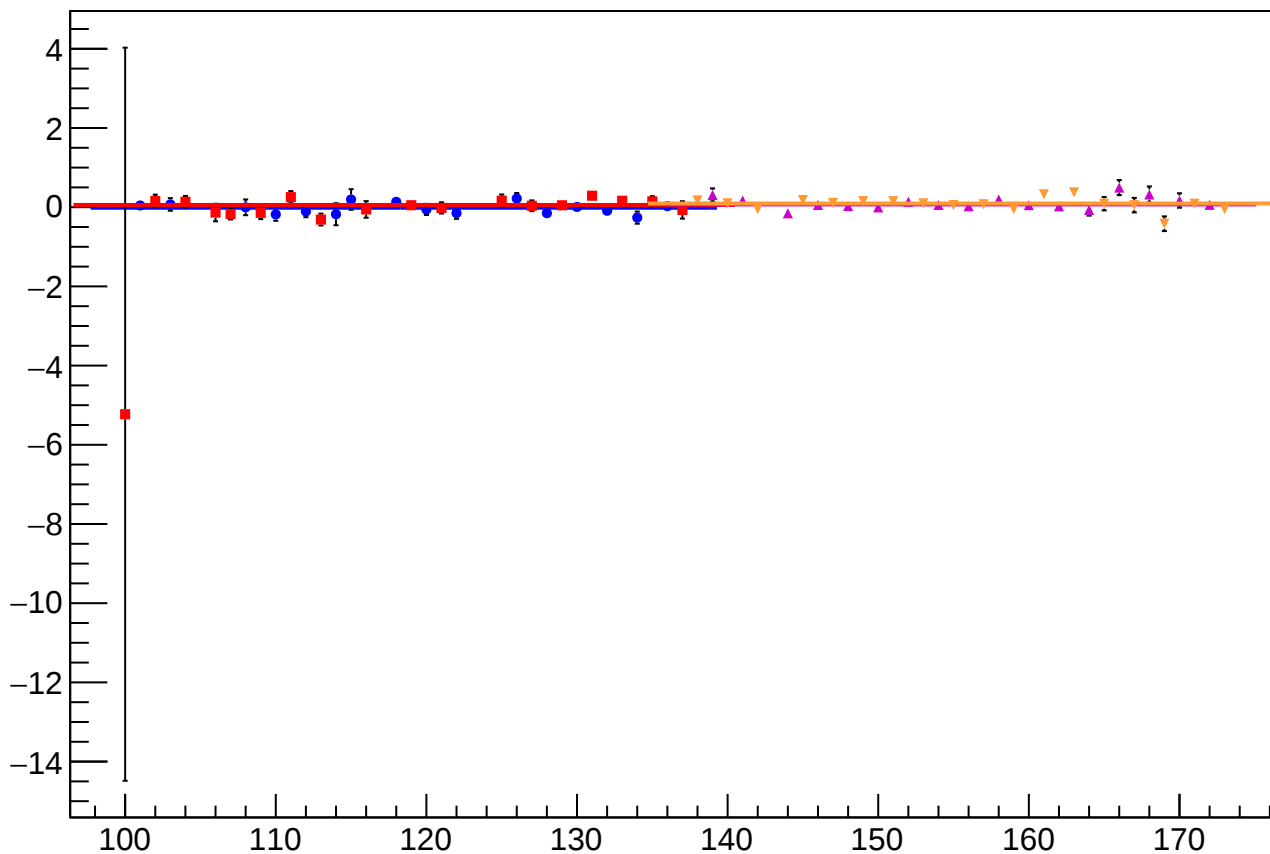
Left In: 0.041 ± 0.029 χ^2/NDF : 23.6/16

+ sign 0.099 ± 0.025 χ^2/NDF : 42.8/33

All: 0.092 ± 0.018 χ^2/NDF : 98.7/68

- sign 0.085 ± 0.025 χ^2/NDF : 55.8/34

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.094 ± 0.024 χ^2/NDF : 25.2/17

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

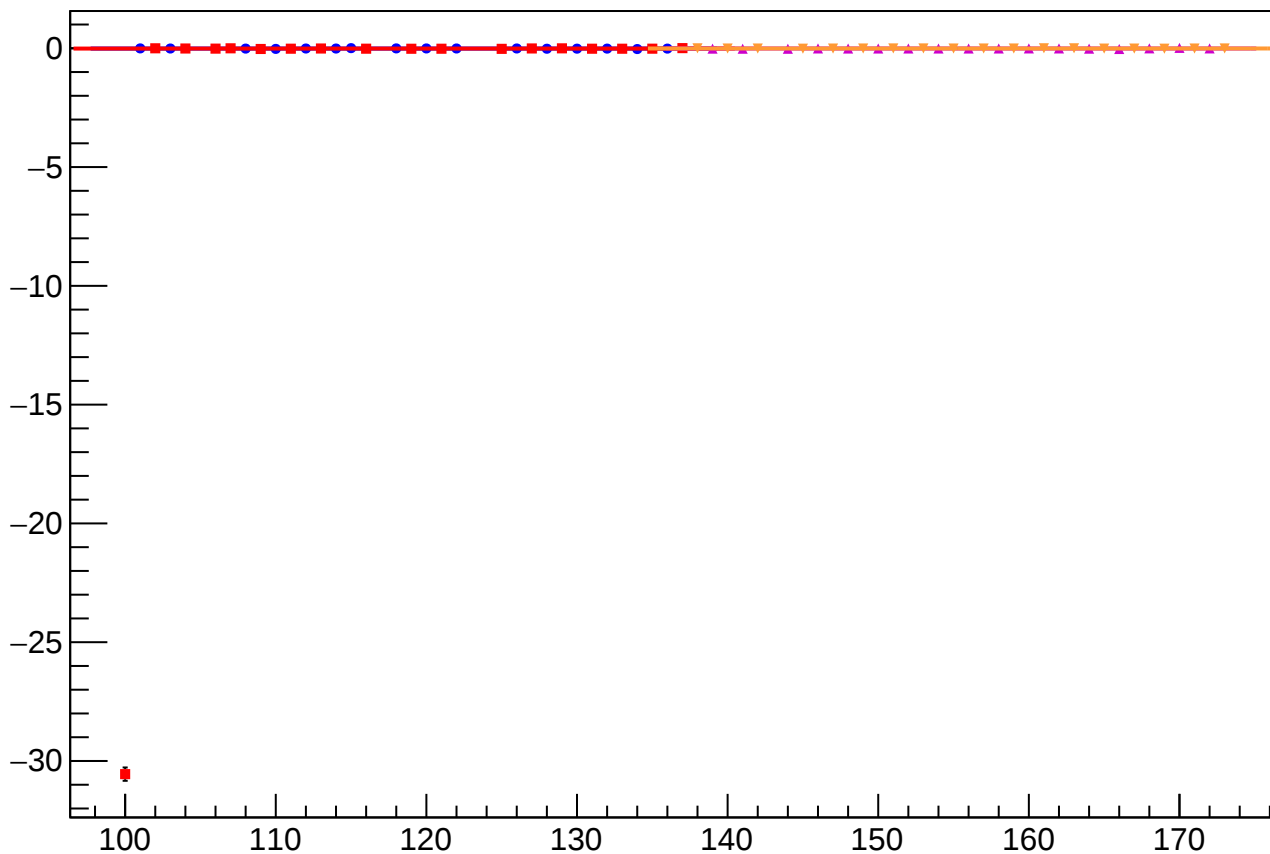
Left In: 0.070 ± 0.024 χ^2/NDF : 21.7/16

+ sign 0.057 ± 0.019 χ^2/NDF : 45.8/33

All: 0.061 ± 0.014 χ^2/NDF : 87.9/68

- sign 0.065 ± 0.020 χ^2/NDF : 42.1/34

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 13.8/17

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.4/17

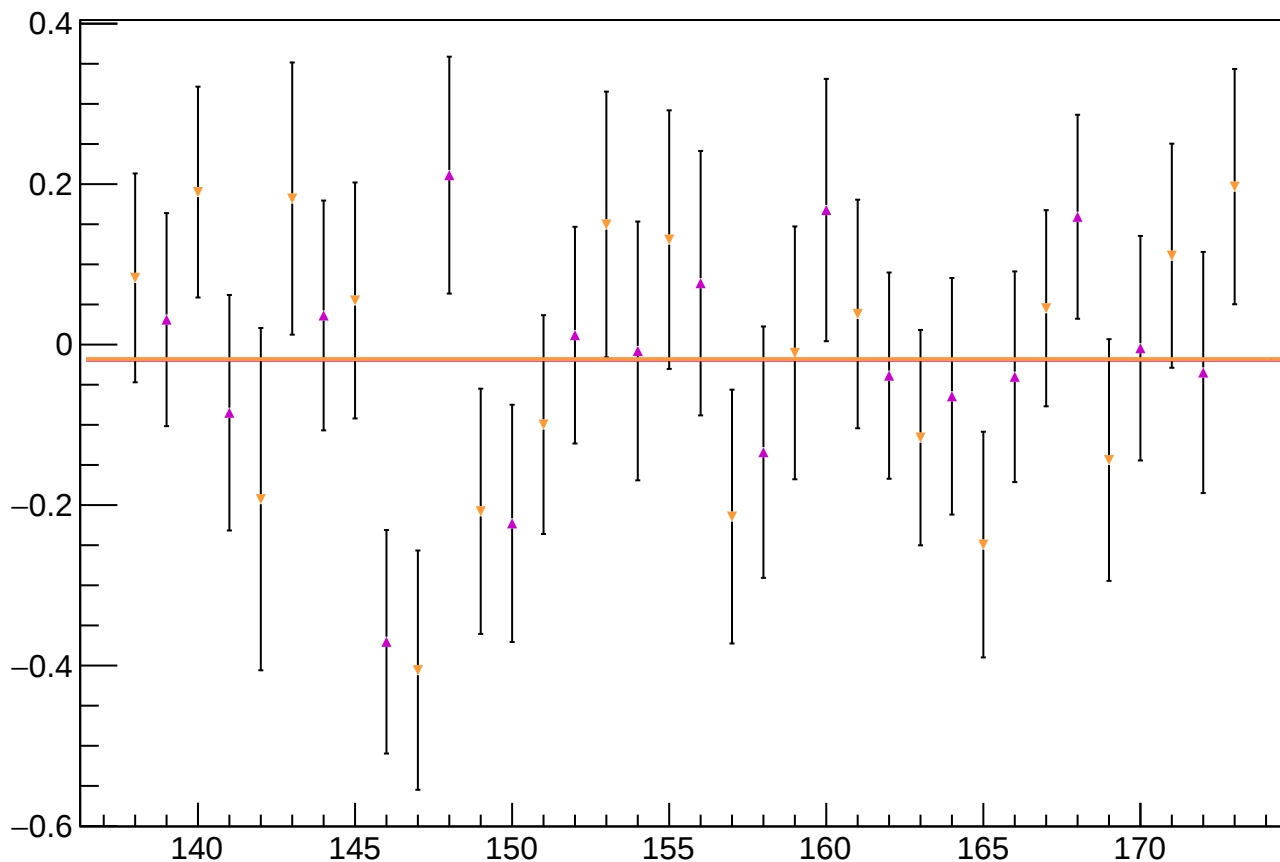
Left In: -0.010 ± 0.001 χ^2/NDF : 30.2/16

+ sign -0.009 ± 0.001 χ^2/NDF : 29.2/33

All: -0.010 ± 0.001 χ^2/NDF : 11952.6/68

- sign -0.010 ± 0.001 χ^2/NDF : 11922.7/34

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.018 $\pm$ 0.034 χ^2 /NDF:24.9/18

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

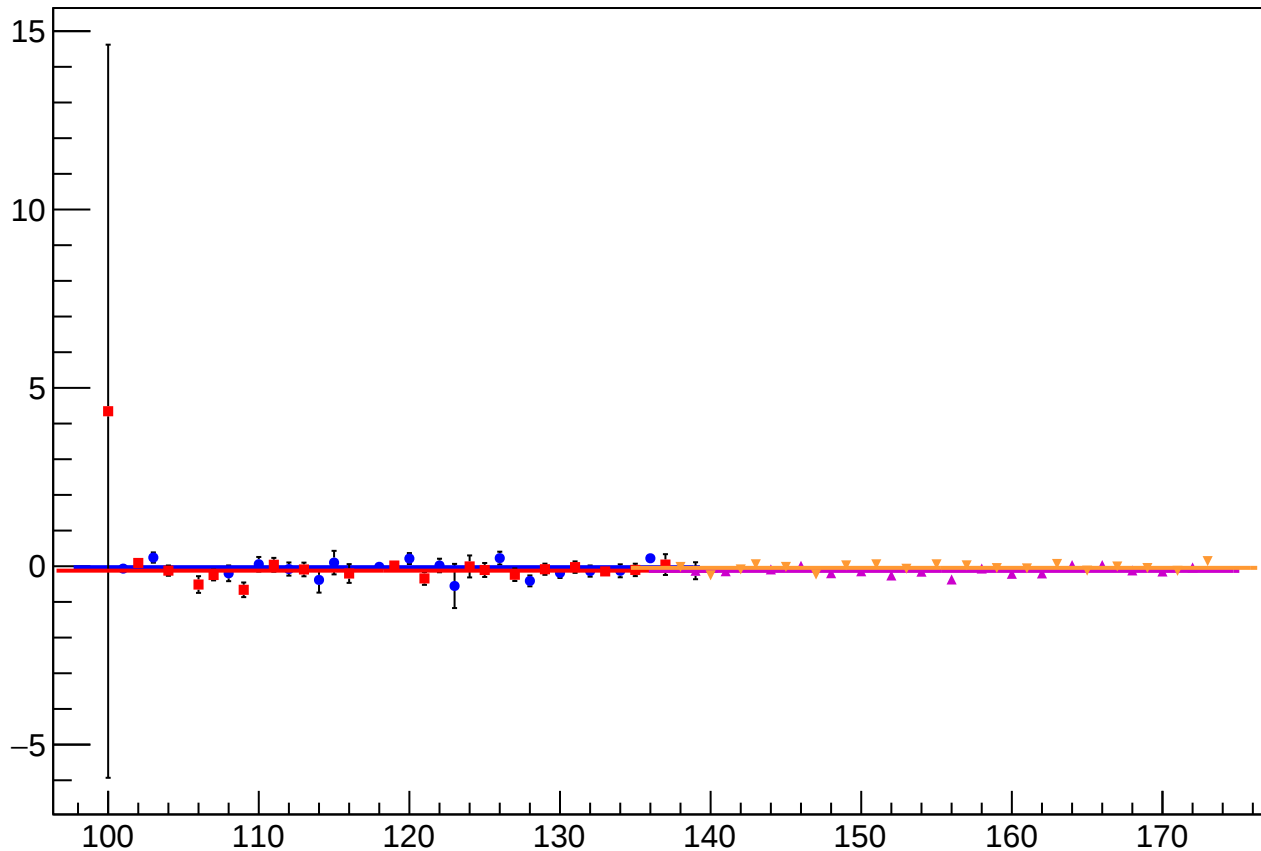
Left In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.6/16

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

All: -0.019 $\pm$ 0.024 χ^2 /NDF: 40.4/35

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

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.045 ± 0.024 χ^2/NDF : 19.9/18

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

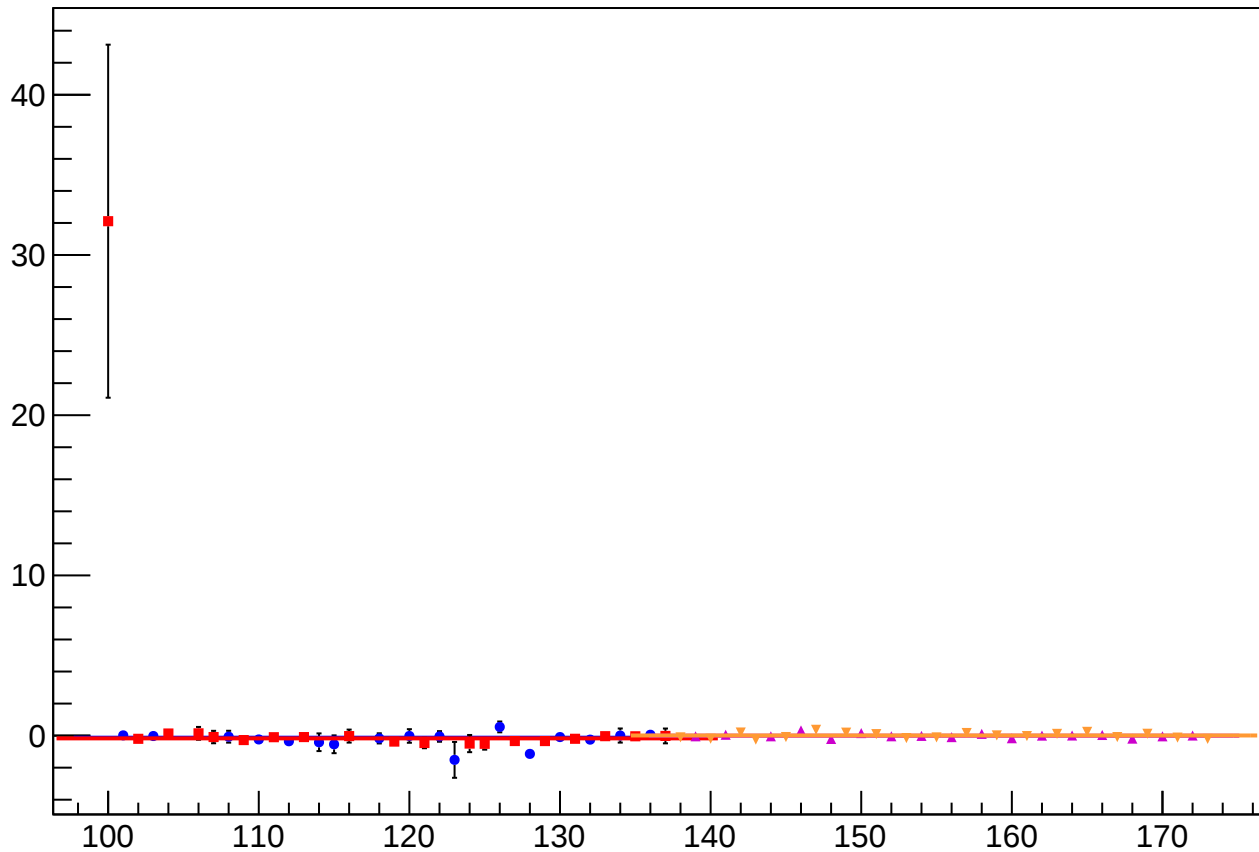
Left In: -0.130 ± 0.025 χ^2/NDF : 15.8/16

+ sign -0.039 ± 0.020 χ^2/NDF : 42.8/35

All: -0.081 ± 0.015 χ^2/NDF : 86.2/71

- sign -0.128 ± 0.021 χ^2/NDF : 34.2/35

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.009 ± 0.033 χ^2/NDF : 24.5/18

Right Out: -0.172 ± 0.071 χ^2/NDF : 14.9/18

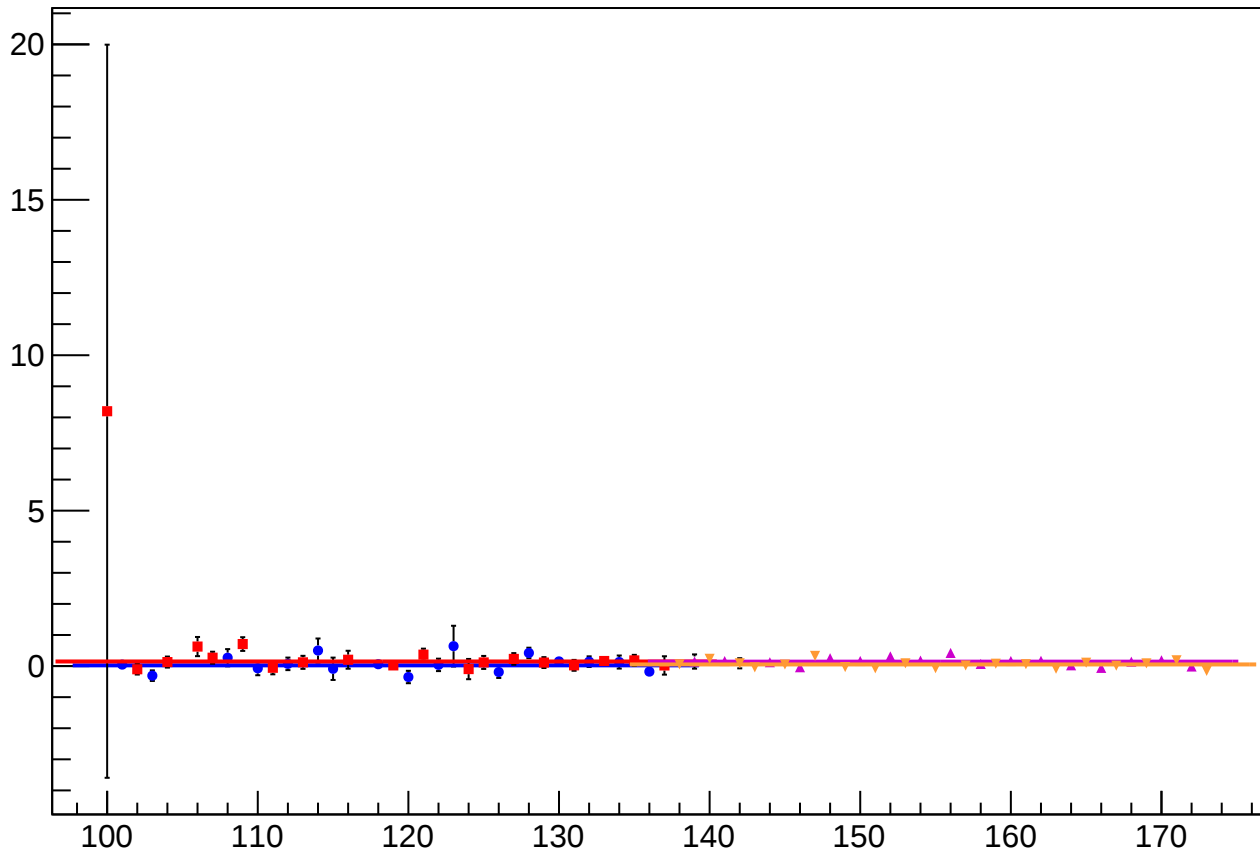
Left In: -0.006 ± 0.034 χ^2/NDF : 14.2/16

+ sign -0.018 ± 0.030 χ^2/NDF : 51.0/35

All: -0.028 ± 0.021 χ^2/NDF : 84.7/71

- sign -0.038 ± 0.031 χ^2/NDF : 33.6/35

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 $\pm$ 0.043 χ^2 /NDF: 21.3/16

Left Out: 0.053 $\pm$ 0.028 χ^2 /NDF: 19.7/18

Right Out: 0.148 $\pm$ 0.045 χ^2 /NDF: 16.6/18

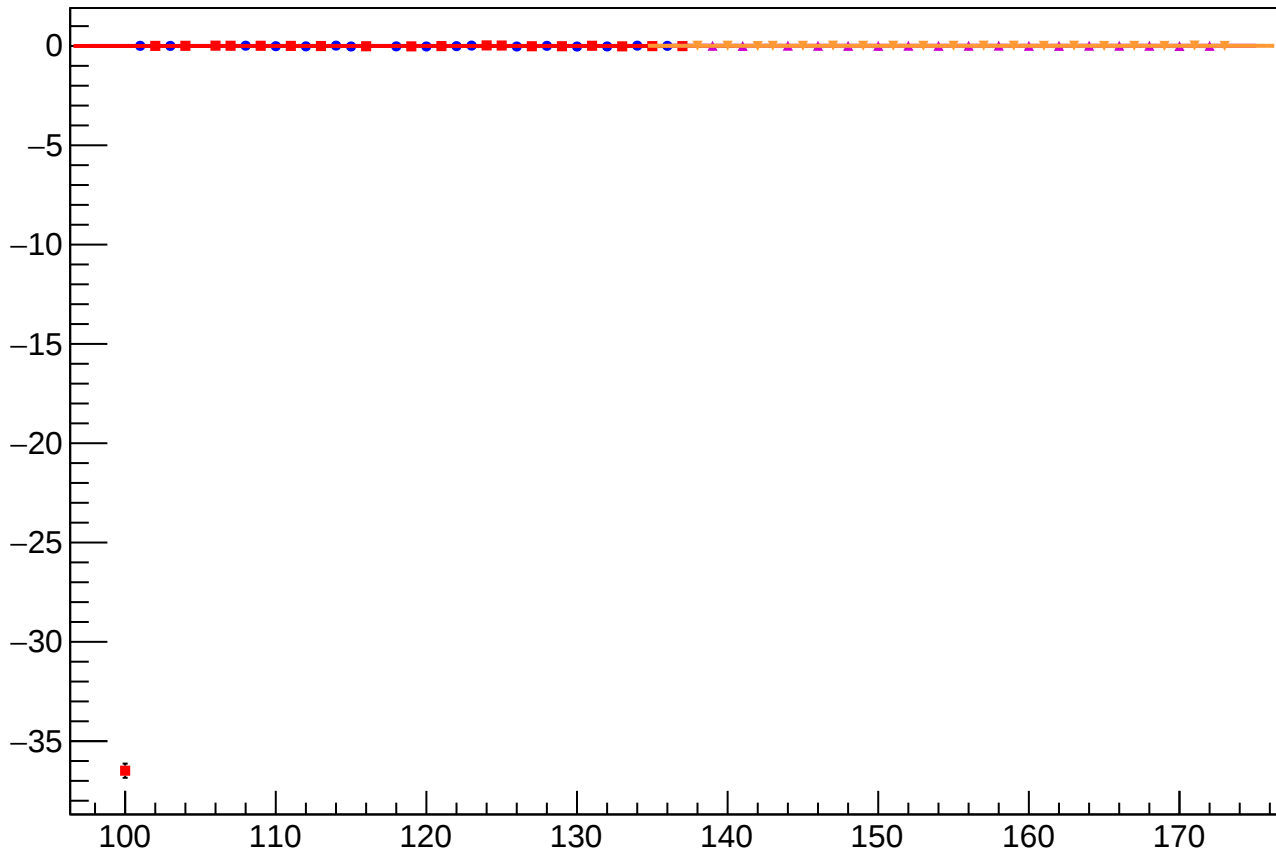
Left In: 0.142 $\pm$ 0.029 χ^2 /NDF: 16.4/16

+ sign 0.044 $\pm$ 0.023 χ^2 /NDF: 41.4/35

All: 0.091 $\pm$ 0.017 χ^2 /NDF: 83.1/71

- sign 0.144 $\pm$ 0.025 χ^2 /NDF: 33.0/35

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.009 $\pm$ 0.001 χ^2 /NDF: 18.7/18

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

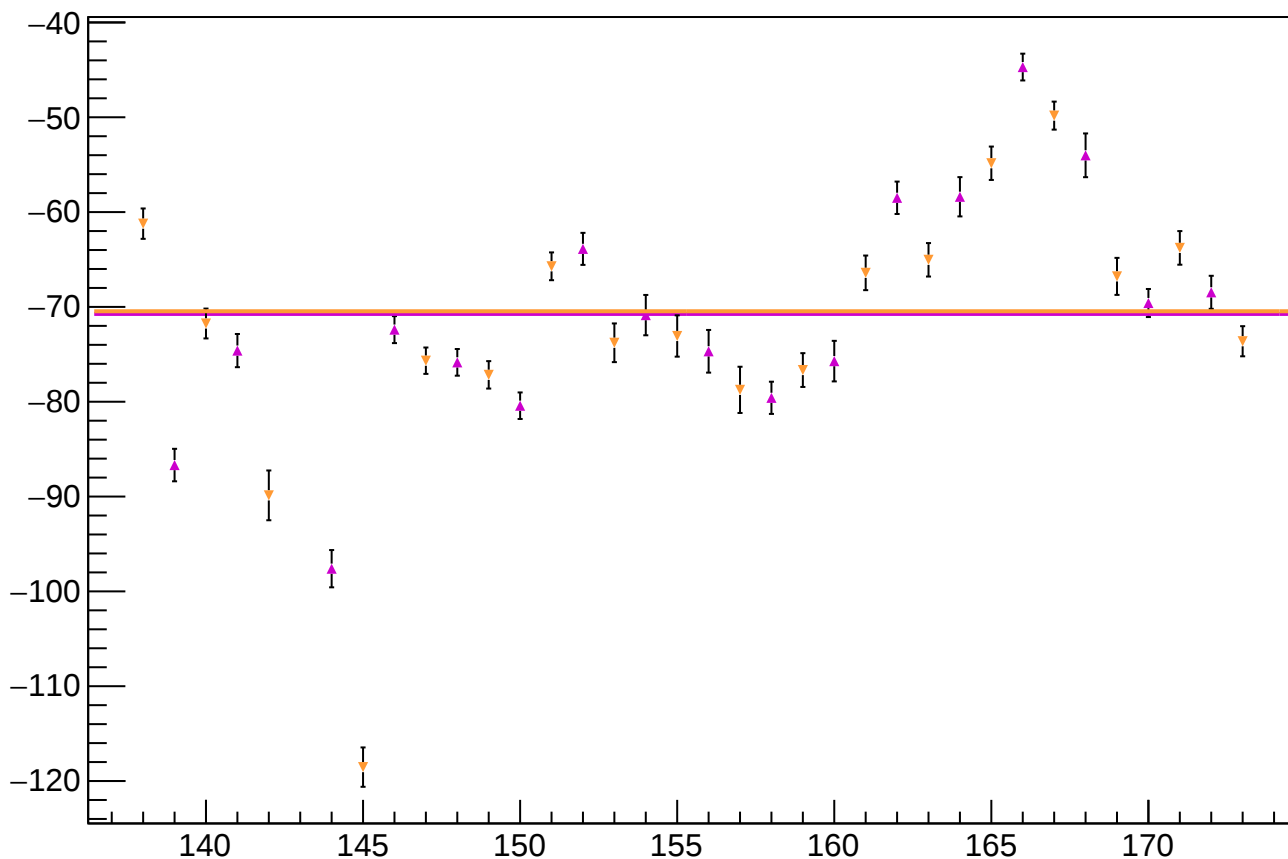
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 9.7/16

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 59.1/35

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10530.6/71

- sign 0.008 $\pm$ 0.001 χ^2 /NDF: 10471.4/35

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -70.458 +/- 0.410 χ^2/NDF : 1008.7/17

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

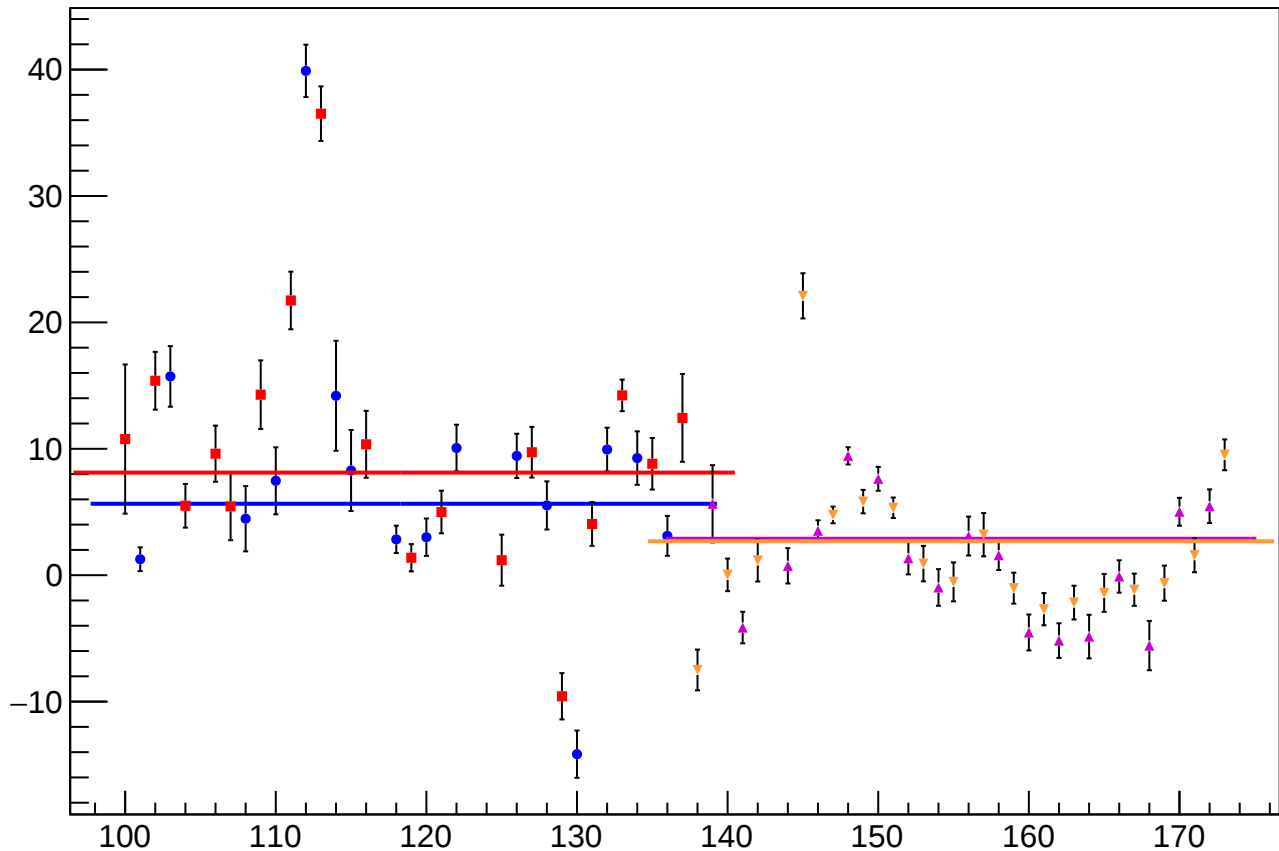
Left In: -70.739 +/- 0.414 χ^2/NDF : 874.4/16

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -70.597 +/- 0.292 χ^2/NDF : 1883.3/34

- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 $\chi^2/\text{NDF}: 461.9/15$

Left Out: 2.684 ± 0.282 $\chi^2/\text{NDF}: 295.5/17$

Right Out: 8.119 ± 0.453 $\chi^2/\text{NDF}: 407.9/17$

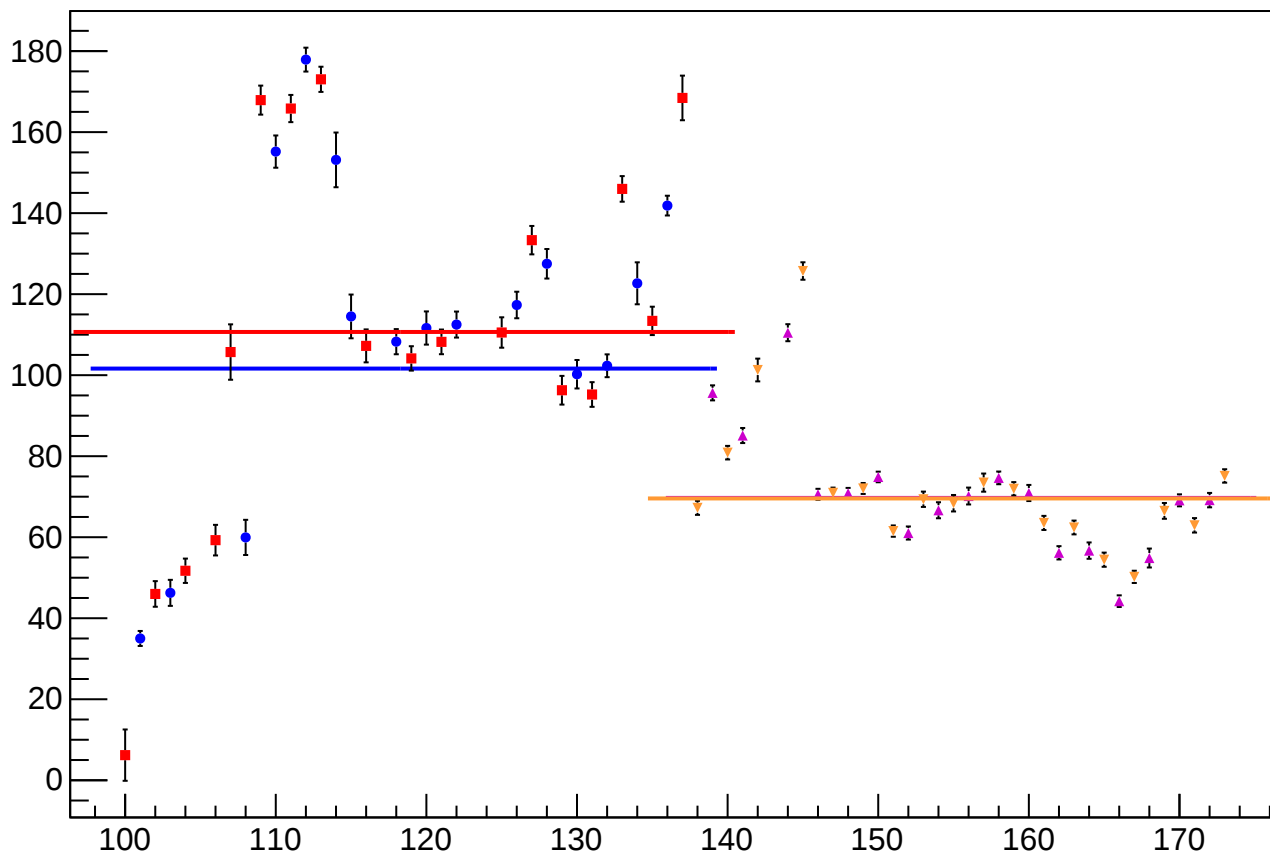
Left In: 2.883 ± 0.290 $\chi^2/\text{NDF}: 276.4/16$

+ sign 3.579 ± 0.236 $\chi^2/\text{NDF}: 790.8/33$

All: 3.979 ± 0.170 $\chi^2/\text{NDF}: 1575.9/68$

- sign 4.409 ± 0.244 $\chi^2/\text{NDF}: 779.1/34$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 69.568 $\pm$ 0.403 χ^2 /NDF:1192.8/17

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

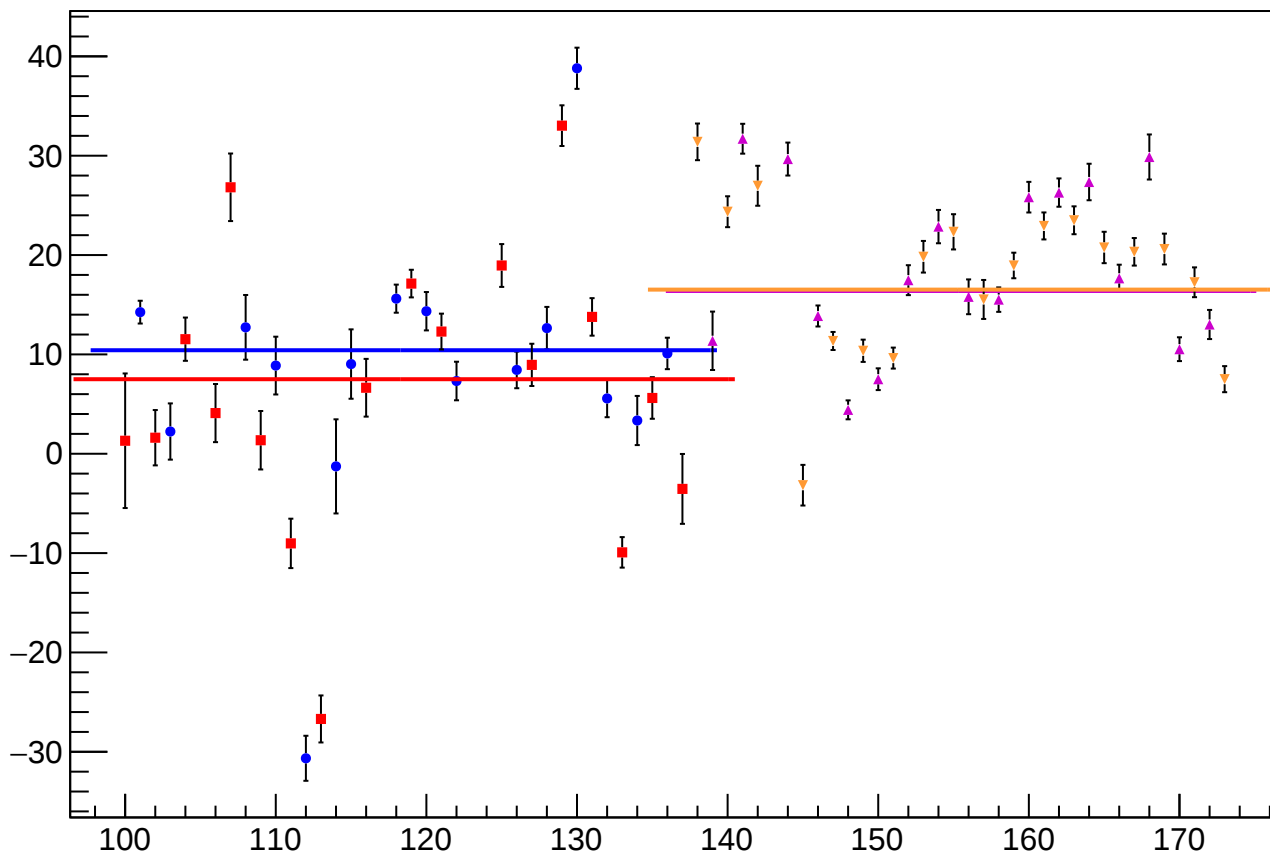
Left In: 69.702 $\pm$ 0.405 χ^2 /NDF:1162.2/16

+ sign 75.911 $\pm$ 0.361 χ^2 /NDF: 5423.4/33

All: 76.697 $\pm$ 0.257 χ^2 /NDF: 11053.1/68

- sign 77.498 $\pm$ 0.365 χ^2 /NDF: 5620.1/34

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 16.521 ± 0.332 $\chi^2/\text{NDF}: 450.1/17$

Right Out: 7.502 ± 0.523 $\chi^2/\text{NDF}: 689.4/17$

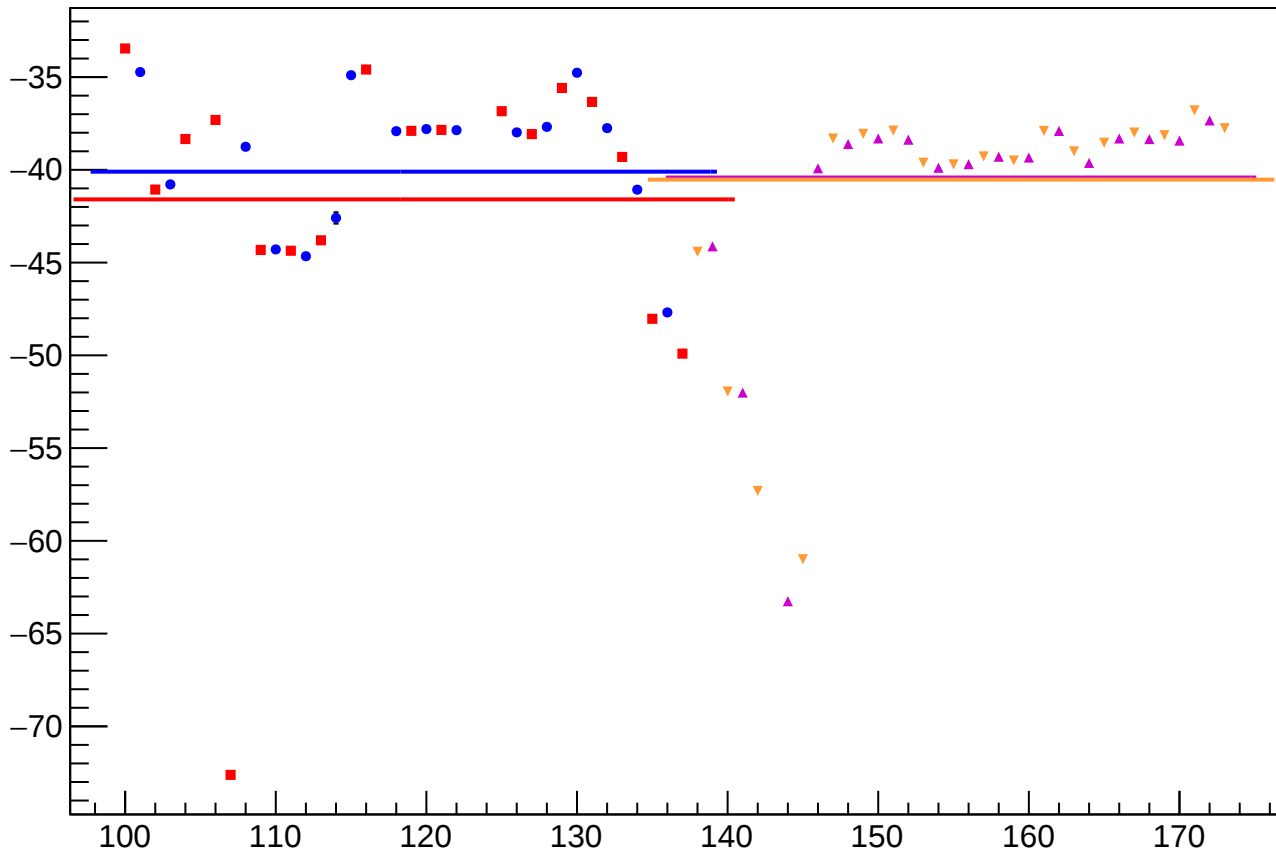
Left In: 16.382 ± 0.340 $\chi^2/\text{NDF}: 602.7/16$

+ sign 14.642 ± 0.276 $\chi^2/\text{NDF}: 1134.0/33$

All: 14.207 ± 0.198 $\chi^2/\text{NDF}: 2633.6/68$

- sign 13.741 ± 0.285 $\chi^2/\text{NDF}: 1494.5/34$

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -40.528 ± 0.016 χ^2/NDF : 124280.7/17

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

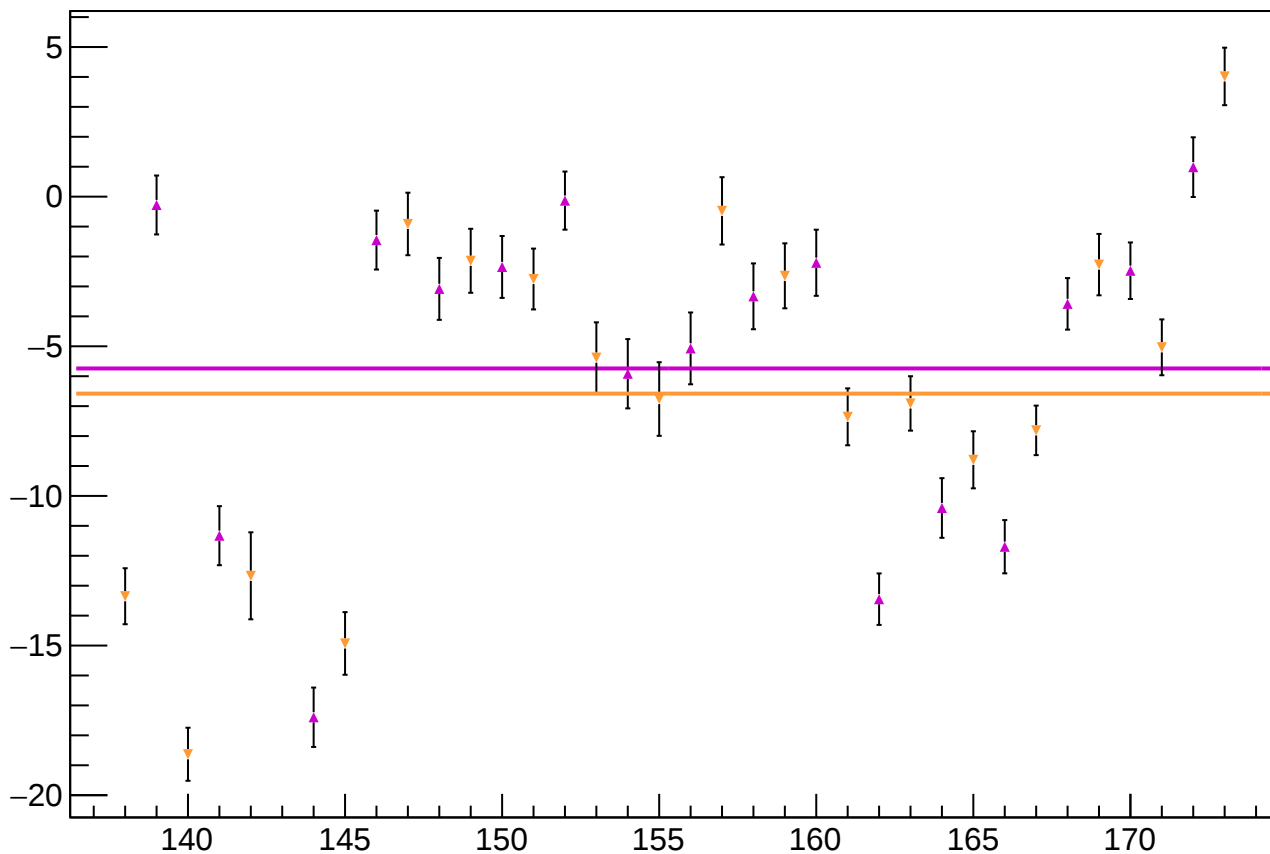
Left In: -40.414 ± 0.016 χ^2/NDF : 99562.3/16

+ sign -40.425 ± 0.014 χ^2/NDF : 149528.8/33

All: -40.559 ± 0.010 χ^2/NDF : 312250.3/68

- sign -40.695 ± 0.014 χ^2/NDF : 162533.0/34

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -6.582 $\pm$ 0.238 χ^2 /NDF: 573.2/17

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

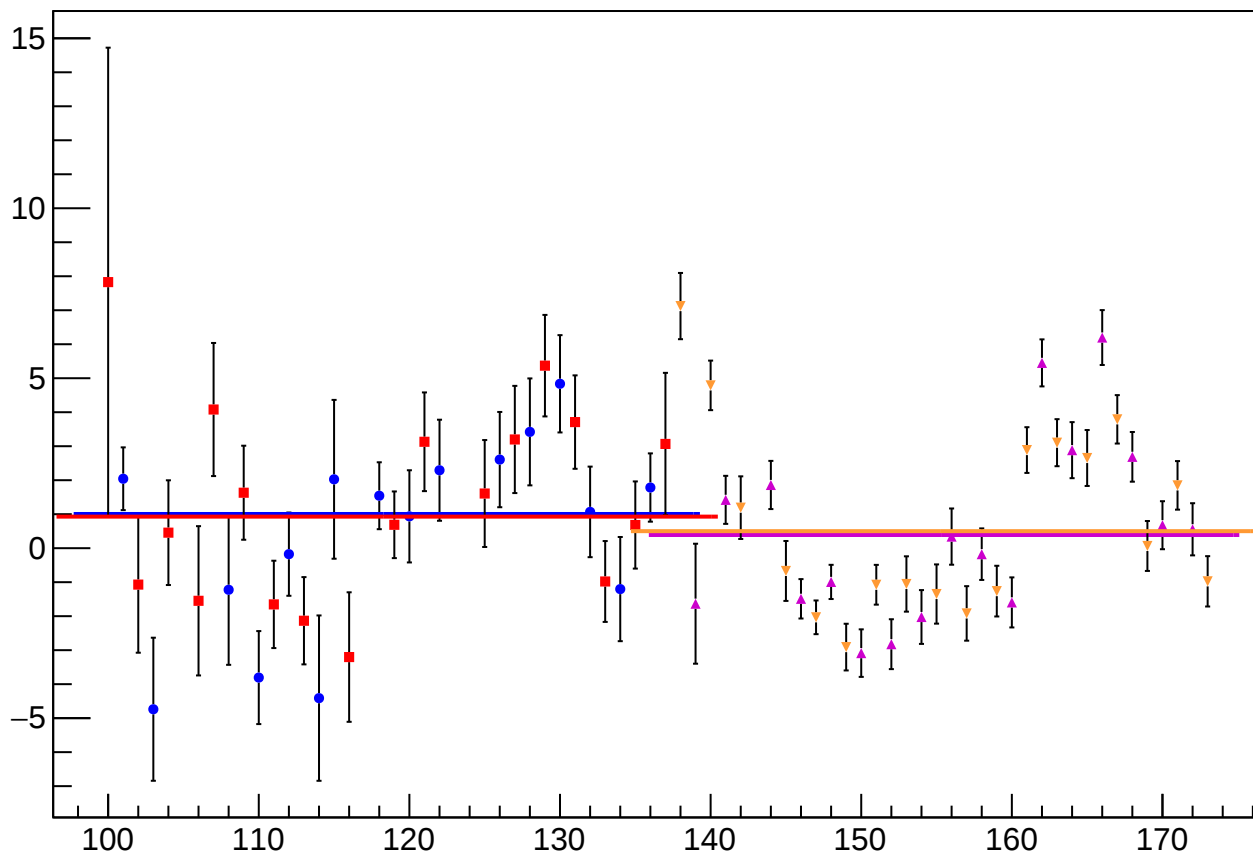
Left In: -5.741 $\pm$ 0.241 χ^2 /NDF: 496.7/16

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

All: -6.166 $\pm$ 0.169 χ^2 /NDF: 1076.1/34

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

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: 0.501 ± 0.171 χ^2/NDF : 226.8/17

Right Out: 0.929 ± 0.353 χ^2/NDF : 41.9/17

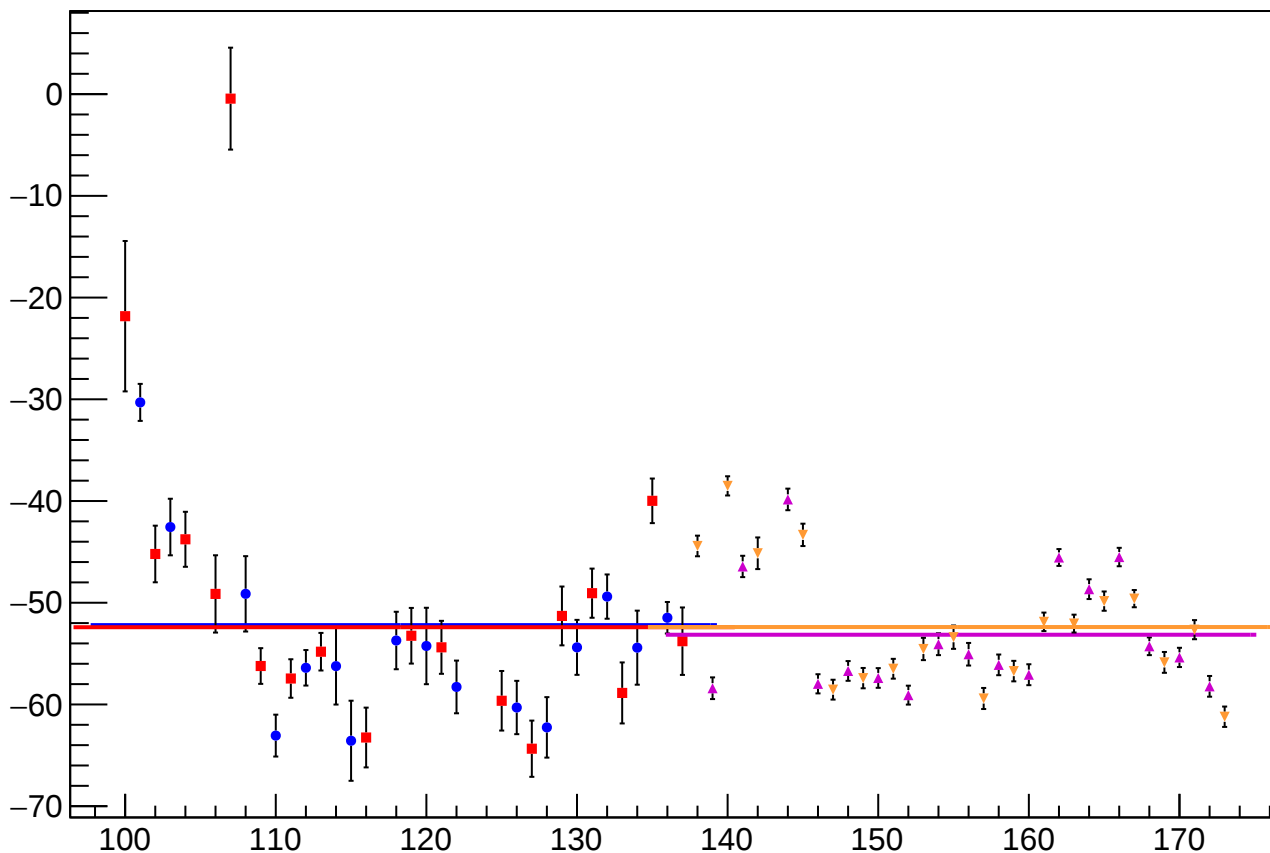
Left In: 0.388 ± 0.176 χ^2/NDF : 211.4/16

+ sign 0.602 ± 0.153 χ^2/NDF : 271.3/33

All: 0.550 ± 0.110 χ^2/NDF : 526.7/68

- sign 0.495 ± 0.157 χ^2/NDF : 255.1/34

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -52.389 ± 0.235 χ^2/NDF : 627.0/17

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

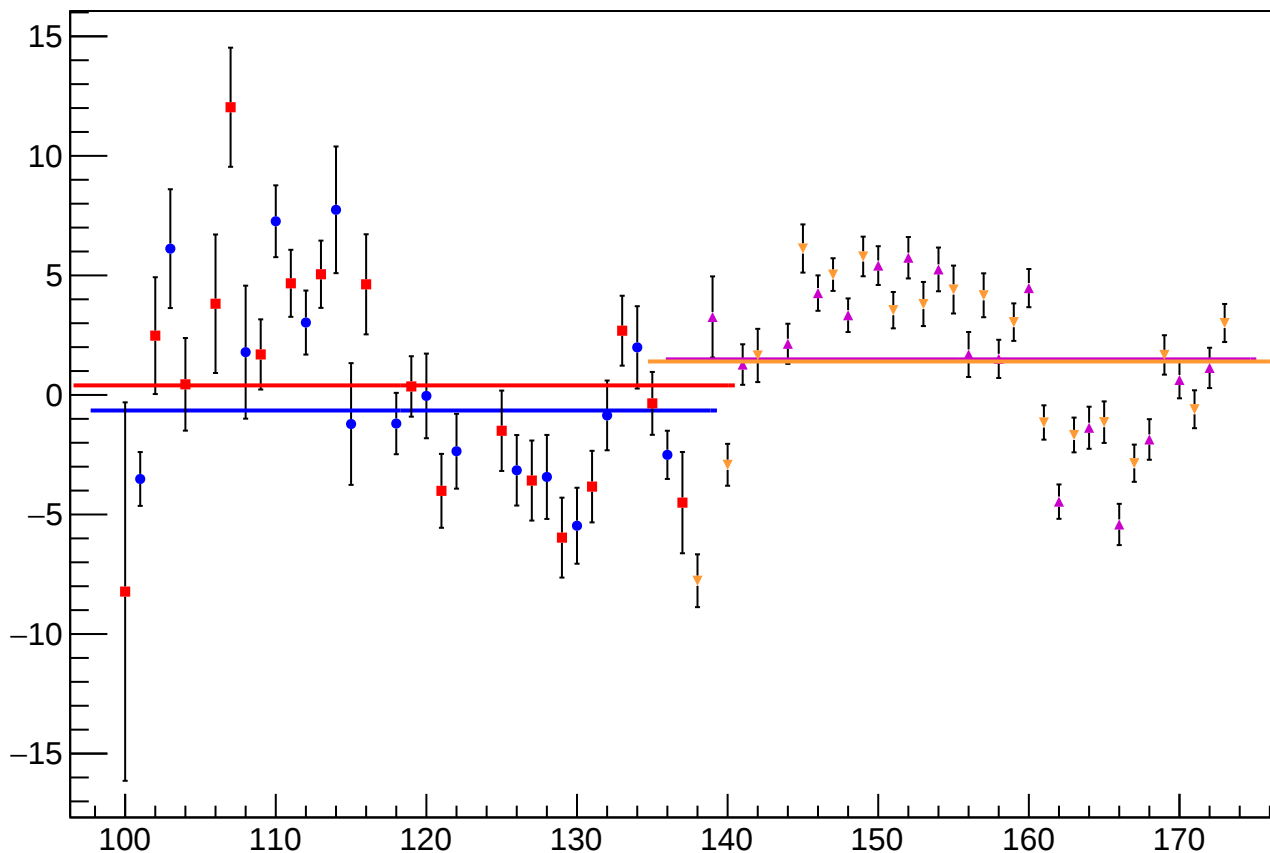
Left In: -53.146 ± 0.237 χ^2/NDF : 557.5/16

+ sign -52.365 ± 0.220 χ^2/NDF : 857.7/33

All: -52.706 ± 0.156 χ^2/NDF : 1655.2/68

- sign -53.051 ± 0.221 χ^2/NDF : 792.7/34

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 1.400 ± 0.197 χ^2/NDF : 288.4/17

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

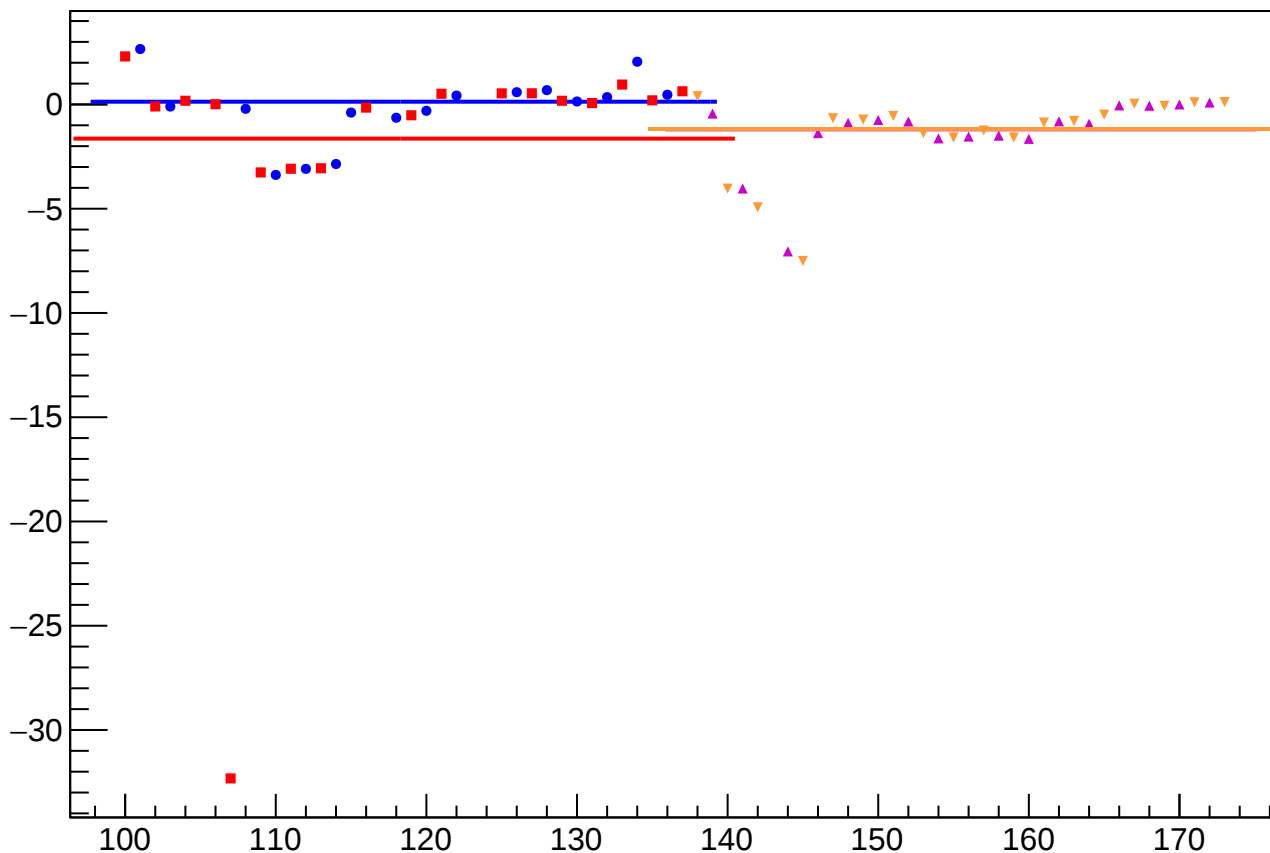
Left In: 1.488 ± 0.203 χ^2/NDF : 261.1/16

+ sign 0.976 ± 0.176 χ^2/NDF : 392.6/33

All: 1.117 ± 0.126 χ^2/NDF : 756.8/68

- sign 1.265 ± 0.181 χ^2/NDF : 362.9/34

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 χ^2/NDF : 5247.5/15

Left Out: -1.176 ± 0.009 χ^2/NDF : 37644.4/17

Right Out: -1.638 ± 0.022 χ^2/NDF : 77848.3/17

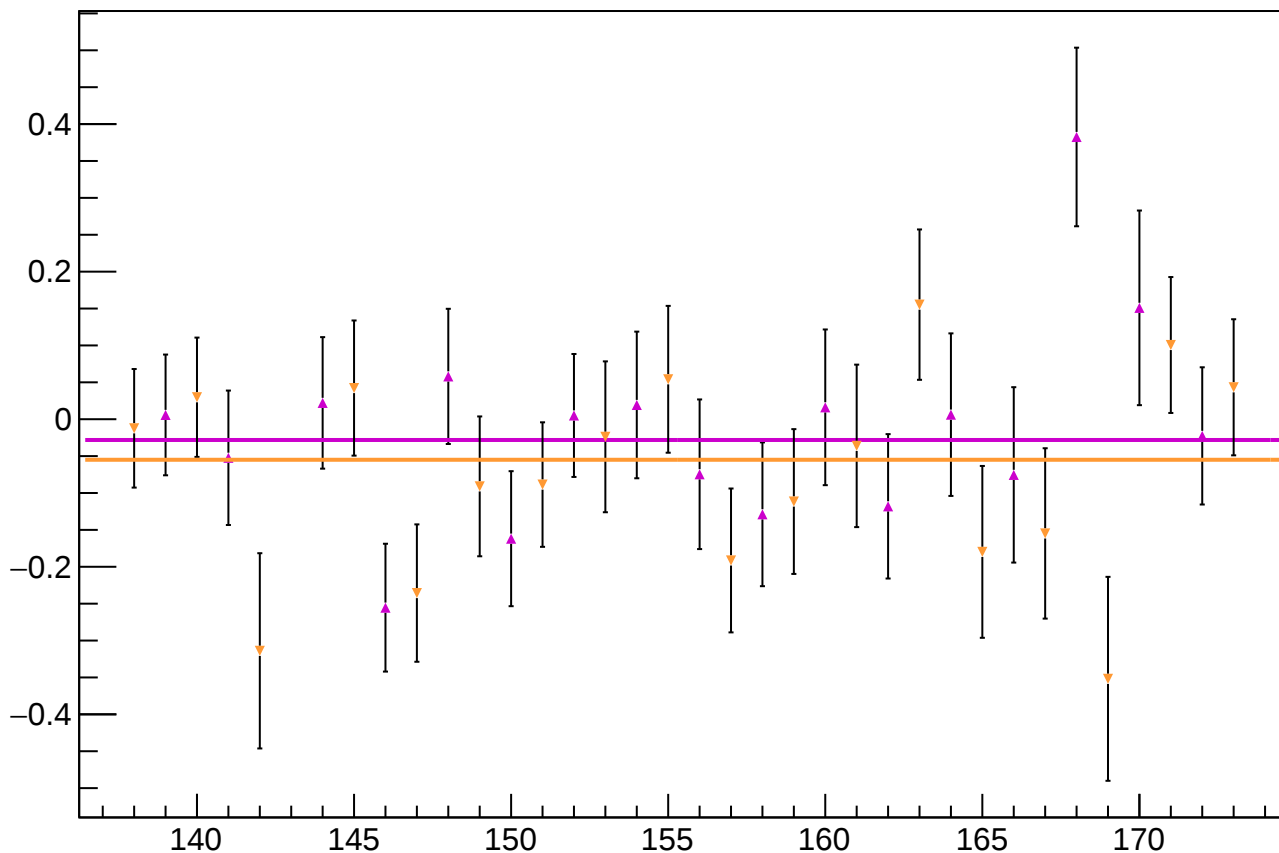
Left In: -1.194 ± 0.009 χ^2/NDF : 26242.0/16

+ sign -0.978 ± 0.008 χ^2/NDF : 46014.8/33

All: -1.118 ± 0.006 χ^2/NDF : 151017.7/68

- sign -1.261 ± 0.008 χ^2/NDF : 104441.9/34

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.055 $\pm$ 0.023 χ^2 /NDF: 28.8/17

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

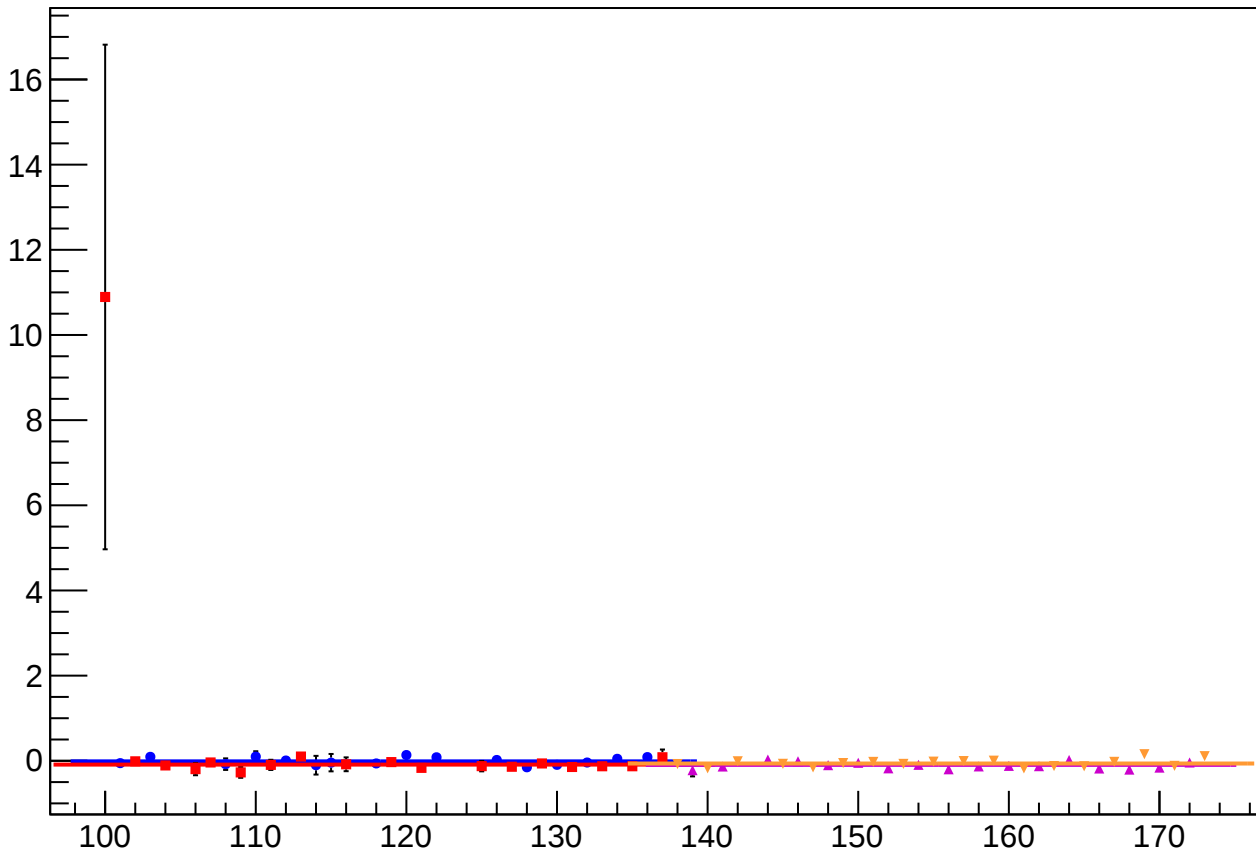
Left In: -0.028 $\pm$ 0.024 χ^2 /NDF: 26.8/16

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

All: -0.042 $\pm$ 0.016 χ^2 /NDF: 56.2/34

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

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.064 ± 0.016 χ^2/NDF : 25.0/17

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

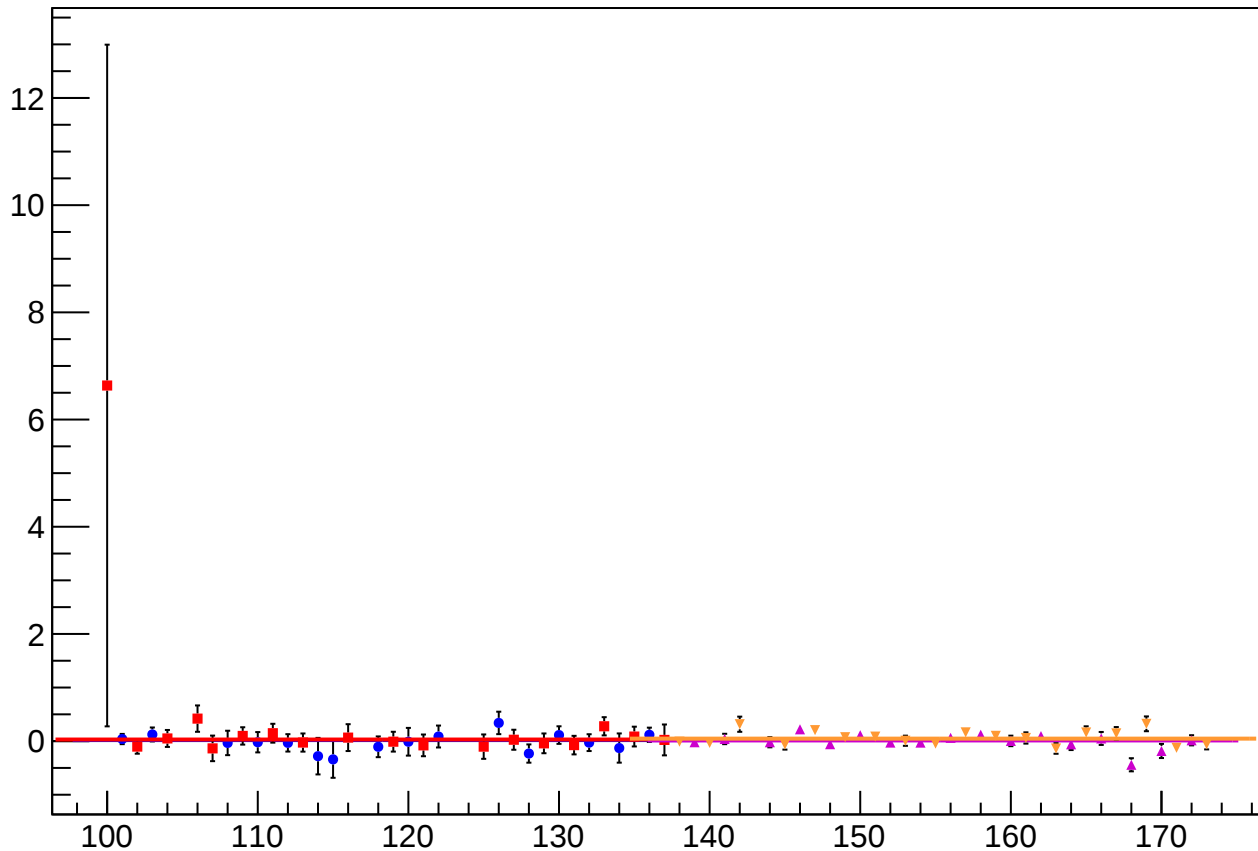
Left In: -0.096 ± 0.017 χ^2/NDF : 17.0/16

+ sign -0.047 ± 0.013 χ^2/NDF : 39.8/33

All: -0.070 ± 0.010 χ^2/NDF : 75.5/68

- sign -0.094 ± 0.014 χ^2/NDF : 30.0/34

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.047 $\pm$ 0.023 χ^2 /NDF: 26.7/17

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

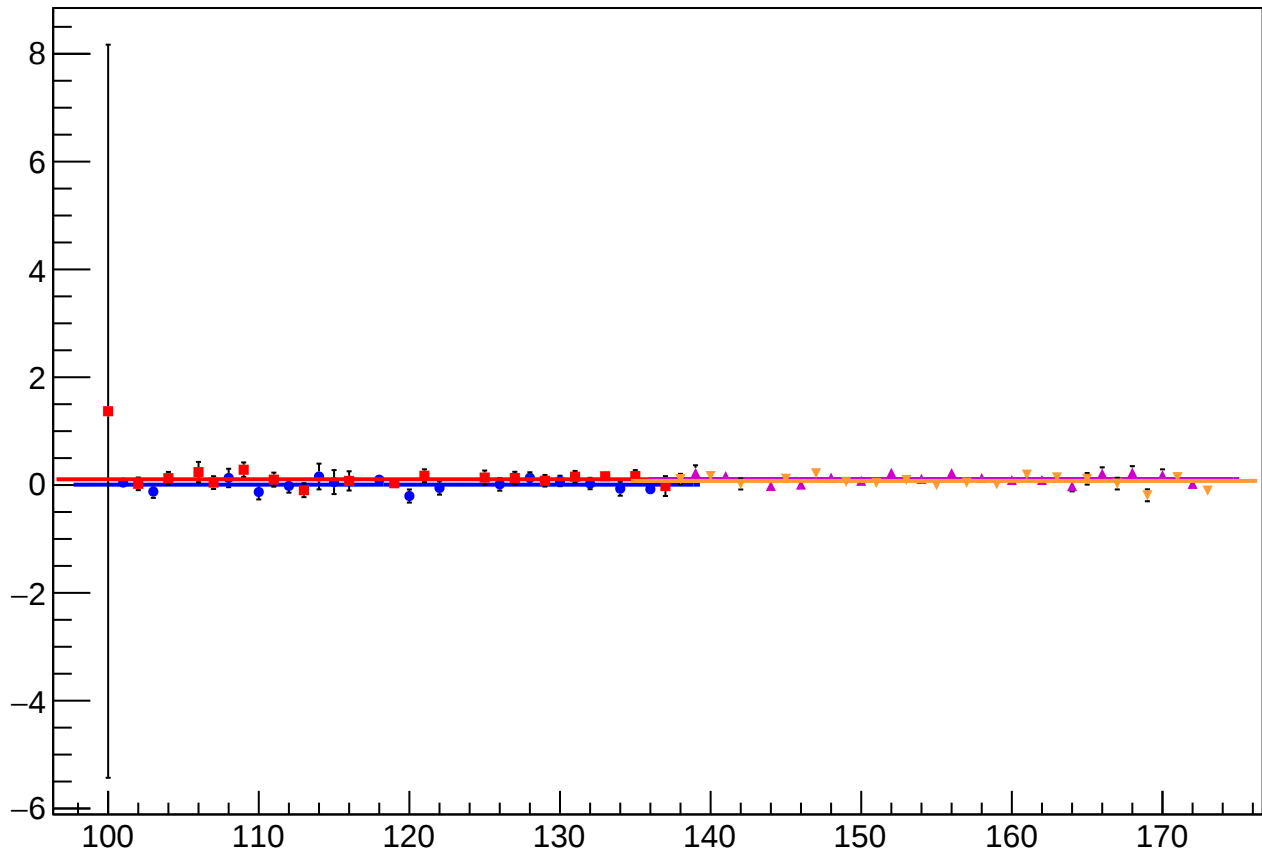
Left In: 0.013 $\pm$ 0.023 χ^2 /NDF: 27.9/16

+ sign 0.041 $\pm$ 0.020 χ^2 /NDF: 36.1/33

All: 0.029 $\pm$ 0.014 χ^2 /NDF: 74.1/68

- sign 0.017 $\pm$ 0.021 χ^2 /NDF: 37.3/34

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.077 $\pm$ 0.019 χ^2 /NDF: 24.8/17

Right Out: 0.107 $\pm$ 0.029 χ^2 /NDF: 8.2/17

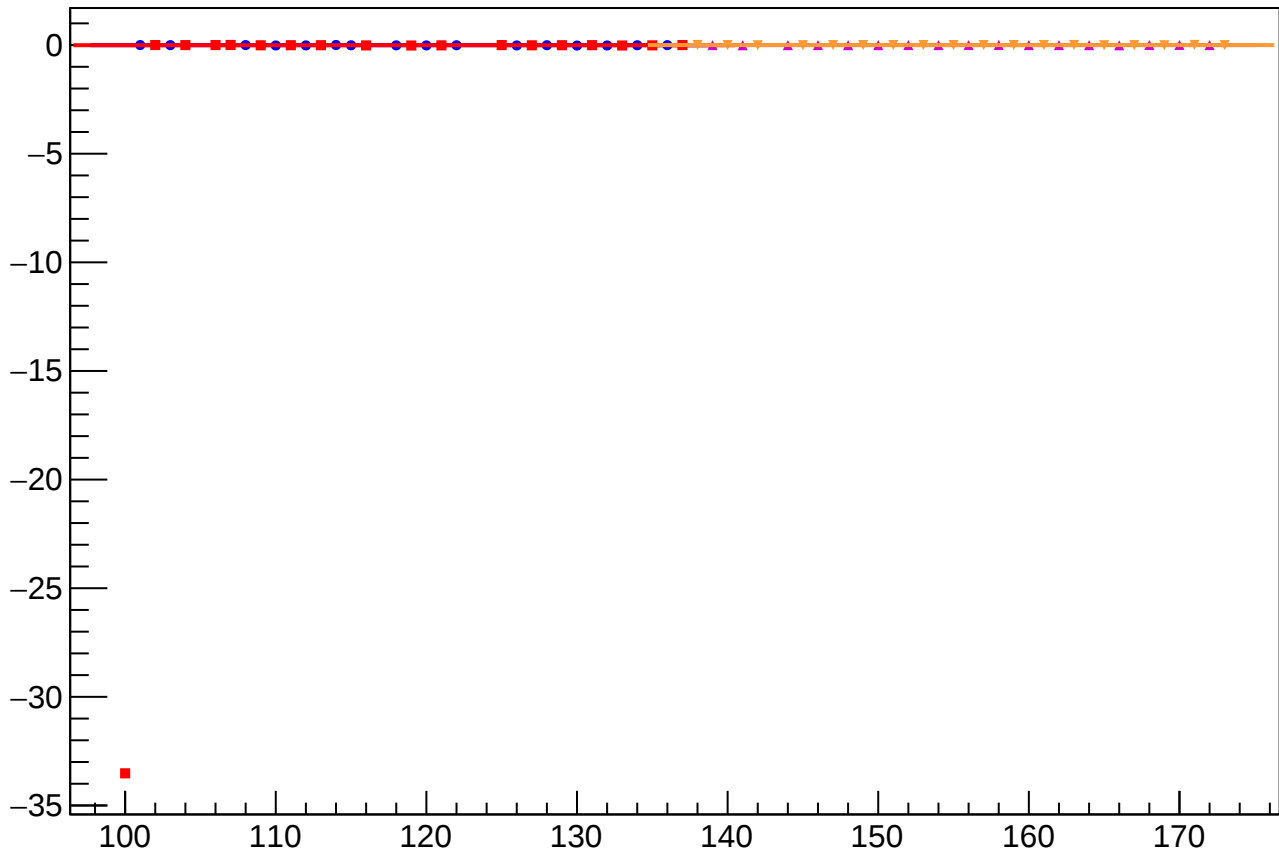
Left In: 0.112 $\pm$ 0.020 χ^2 /NDF: 16.8/16

+ sign 0.054 $\pm$ 0.016 χ^2 /NDF: 40.4/33

All: 0.081 $\pm$ 0.011 χ^2 /NDF: 71.7/68

- sign 0.110 $\pm$ 0.016 χ^2 /NDF: 25.0/34

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 $\chi^2/\text{NDF}: 21.8/15$

Left Out: 0.001 ± 0.001 $\chi^2/\text{NDF}: 18.4/17$

Right Out: -0.006 ± 0.001 $\chi^2/\text{NDF}: 26508.7/17$

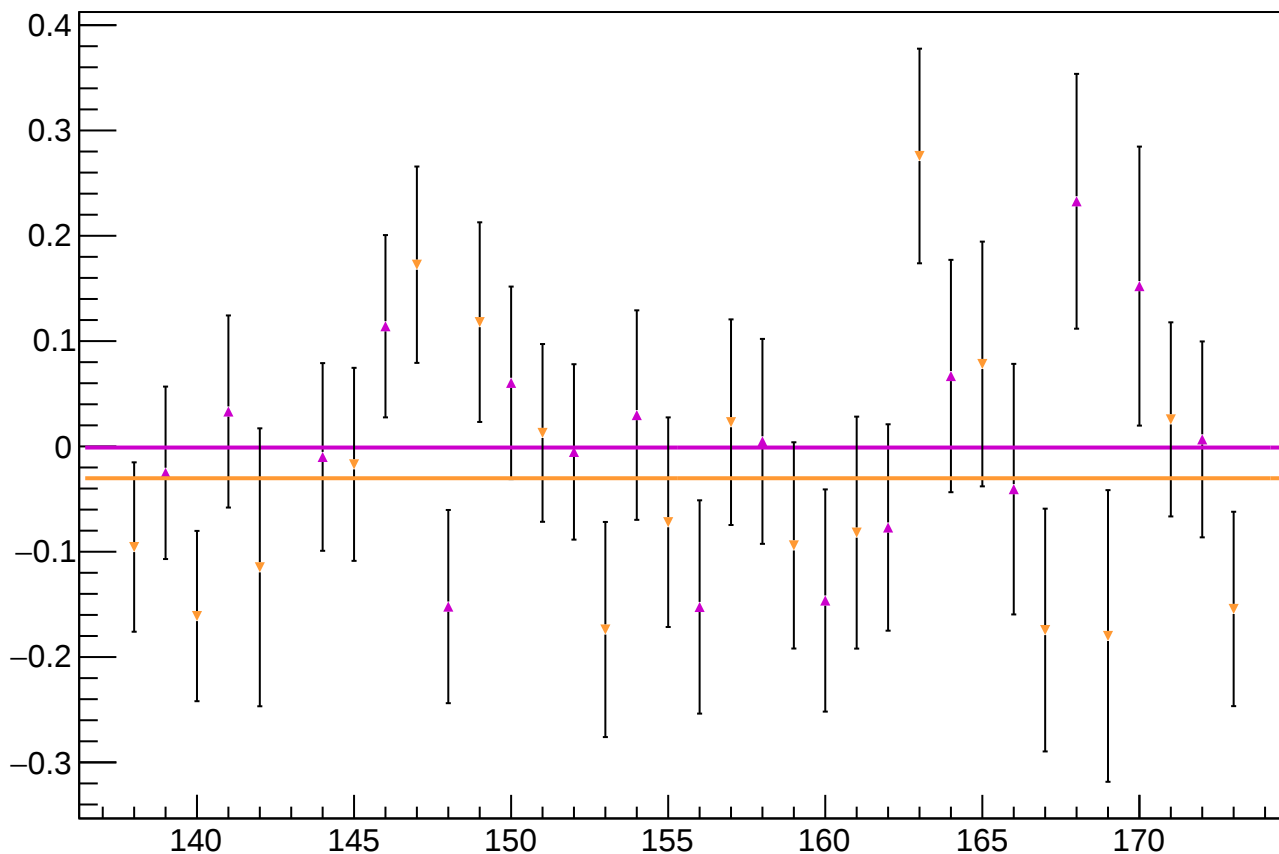
Left In: 0.000 ± 0.001 $\chi^2/\text{NDF}: 15.0/16$

+ sign -0.001 ± 0.001 $\chi^2/\text{NDF}: 53.8/33$

All: -0.001 ± 0.001 $\chi^2/\text{NDF}: 26591.5/68$

- sign -0.001 ± 0.001 $\chi^2/\text{NDF}: 26537.5/34$

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.030 $\pm$ 0.023 χ^2 /NDF: 29.0/17

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

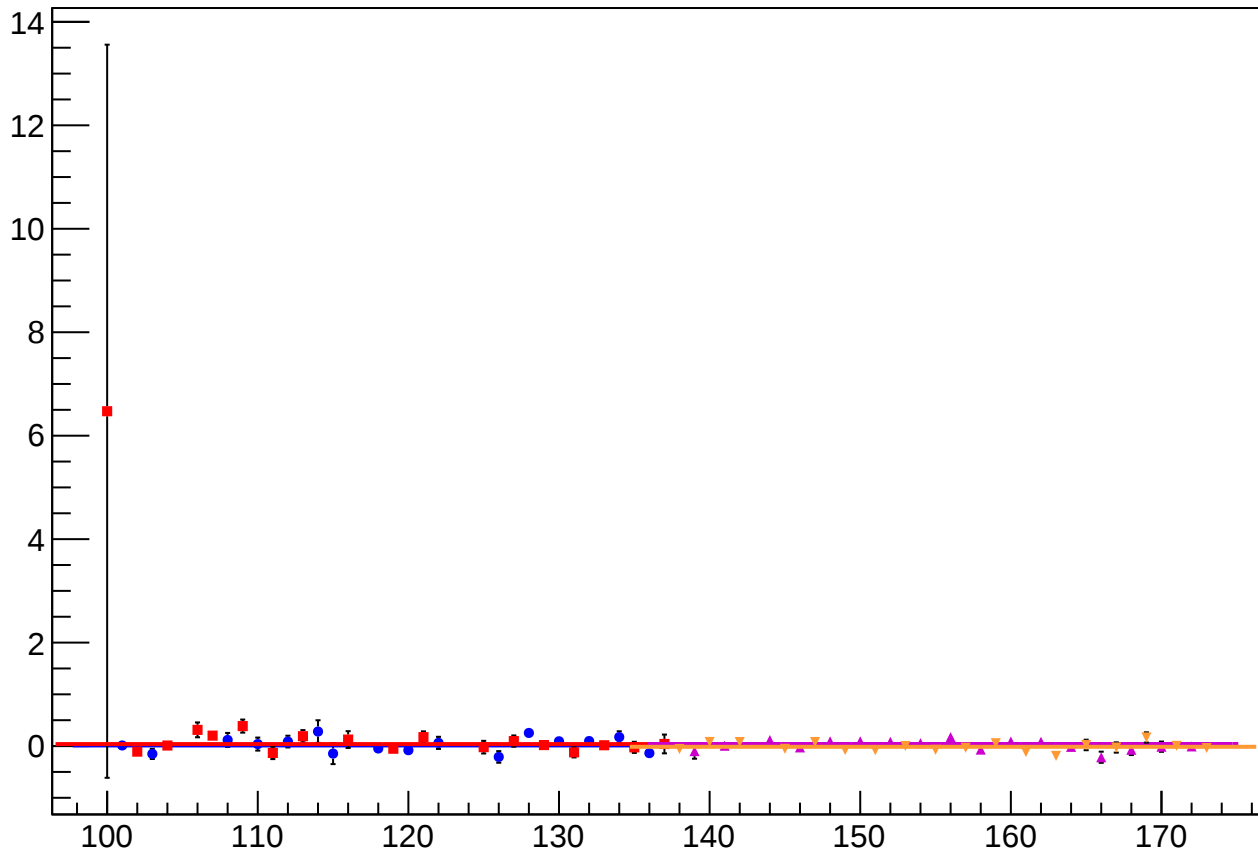
Left In: -0.001 $\pm$ 0.024 χ^2 /NDF: 15.6/16

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

All: -0.016 $\pm$ 0.016 χ^2 /NDF: 45.4/34

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

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.014 ± 0.016 χ^2/NDF : 23.1/17

Right Out: 0.038 ± 0.025 χ^2/NDF : 28.4/17

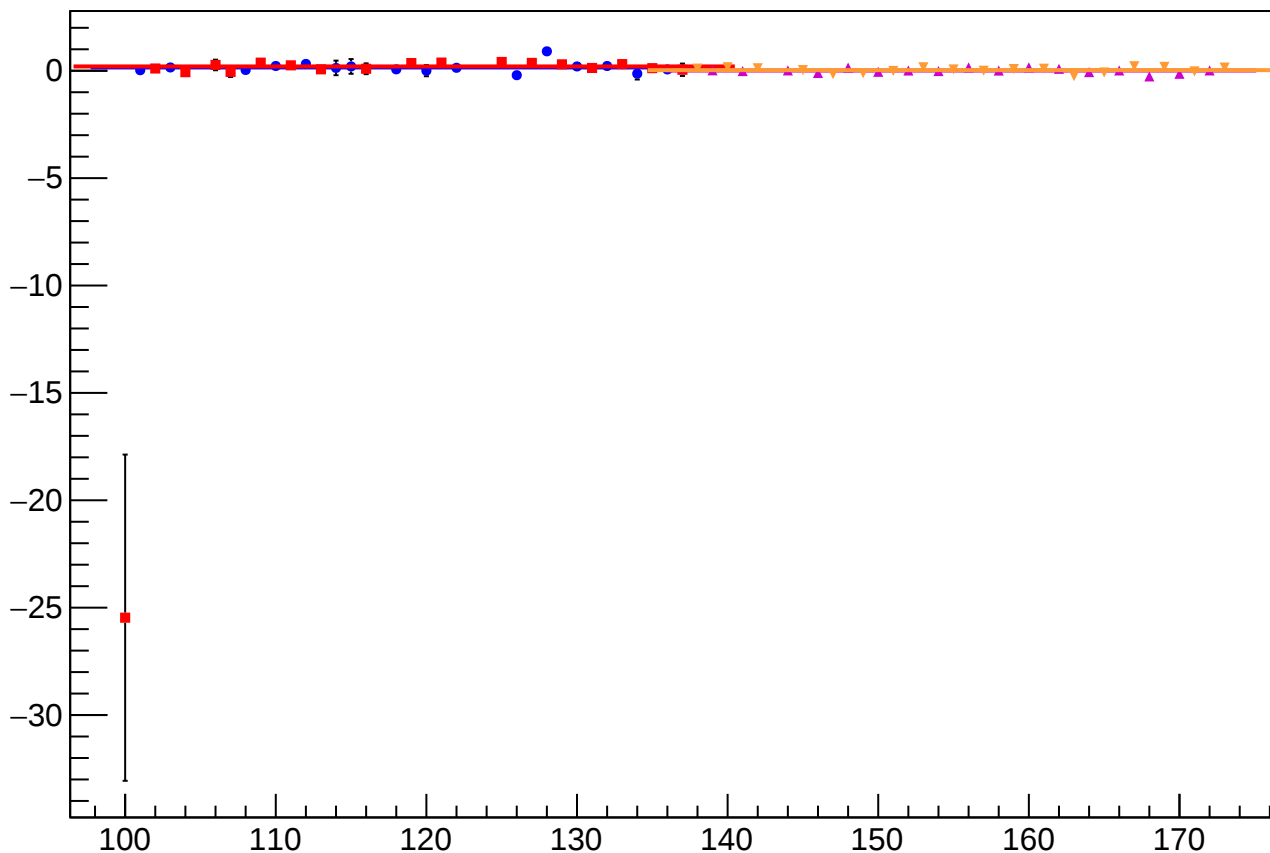
Left In: 0.040 ± 0.017 χ^2/NDF : 21.5/16

+ sign -0.006 ± 0.013 χ^2/NDF : 49.0/33

All: 0.016 ± 0.010 χ^2/NDF : 104.3/68

- sign 0.039 ± 0.014 χ^2/NDF : 49.9/34

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 ± 0.043 χ^2/NDF : 27.9/15

Left Out: 0.029 ± 0.023 χ^2/NDF : 28.2/17

Right Out: 0.201 ± 0.045 χ^2/NDF : 22.6/17

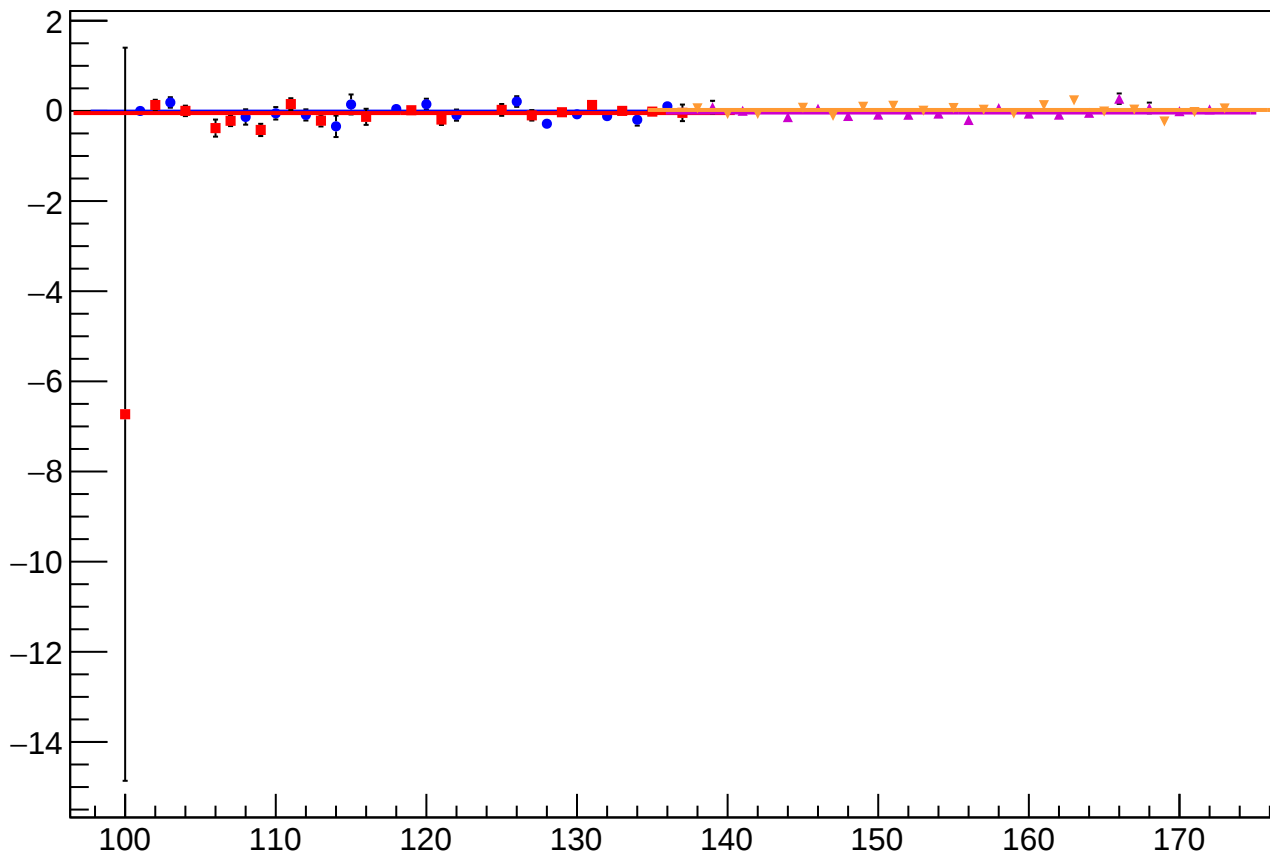
Left In: 0.011 ± 0.023 χ^2/NDF : 17.2/16

+ sign 0.056 ± 0.020 χ^2/NDF : 62.8/33

All: 0.053 ± 0.014 χ^2/NDF : 116.8/68

- sign 0.050 ± 0.021 χ^2/NDF : 54.0/34

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.021 ± 0.019 χ^2/NDF : 26.2/17

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

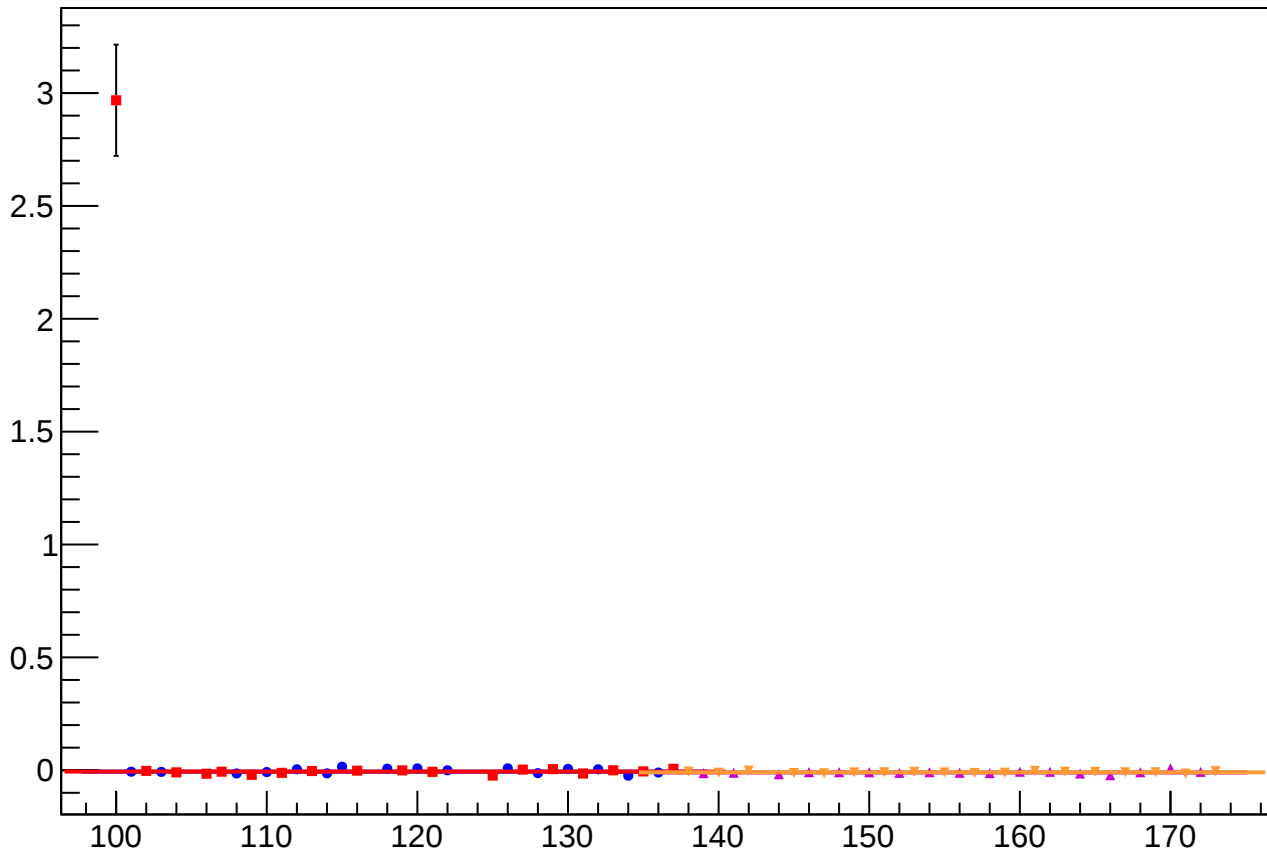
Left In: -0.036 ± 0.020 χ^2/NDF : 22.2/16

+ sign 0.009 ± 0.016 χ^2/NDF : 51.7/33

All: -0.015 ± 0.011 χ^2/NDF : 104.8/68

- sign -0.040 ± 0.016 χ^2/NDF : 48.3/34

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.009 ± 0.001 χ^2/NDF : 14.1/17

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

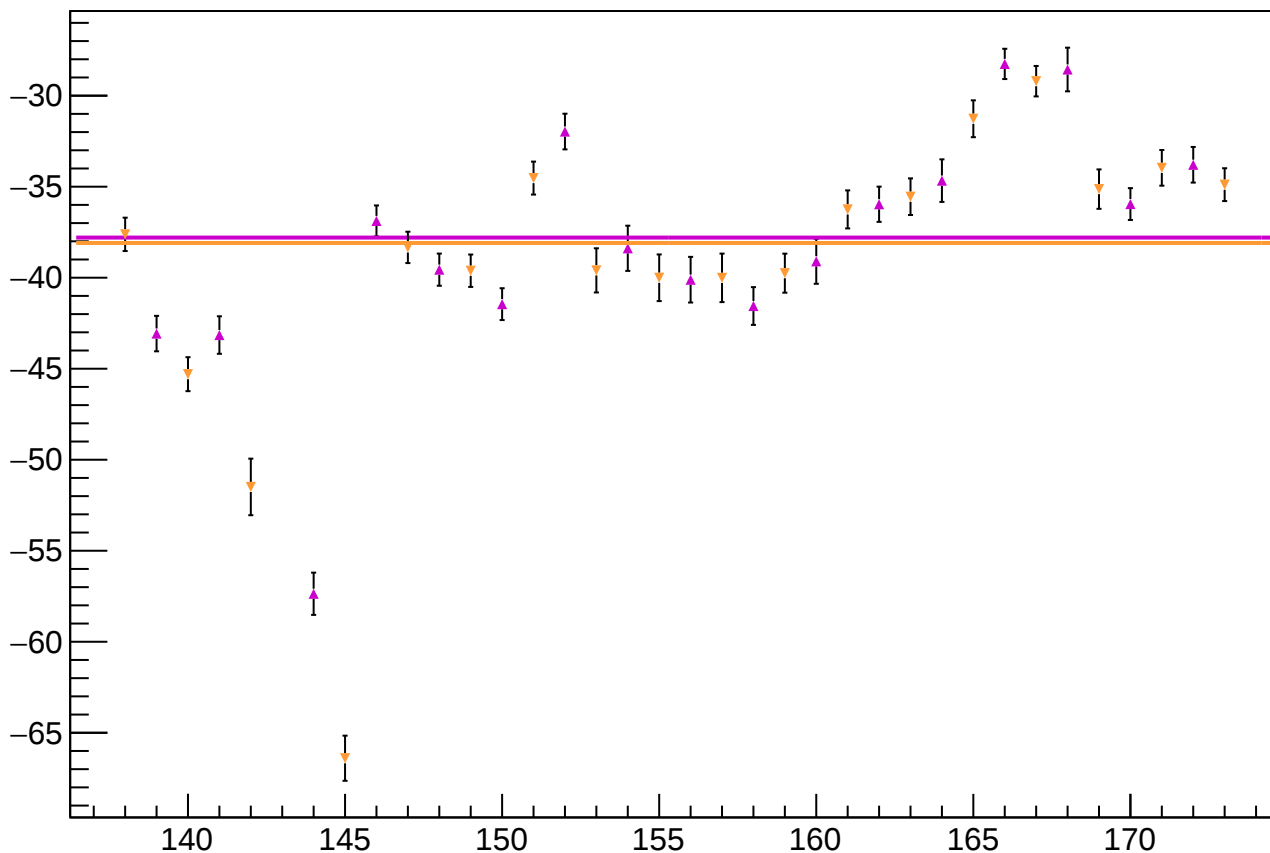
Left In: -0.010 ± 0.001 χ^2/NDF : 29.3/16

+ sign -0.008 ± 0.001 χ^2/NDF : 44.8/33

All: -0.009 ± 0.001 χ^2/NDF : 245.5/68

- sign -0.009 ± 0.001 χ^2/NDF : 200.6/34

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -38.092 $\pm$ 0.240 χ^2 /NDF:888.2/17

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

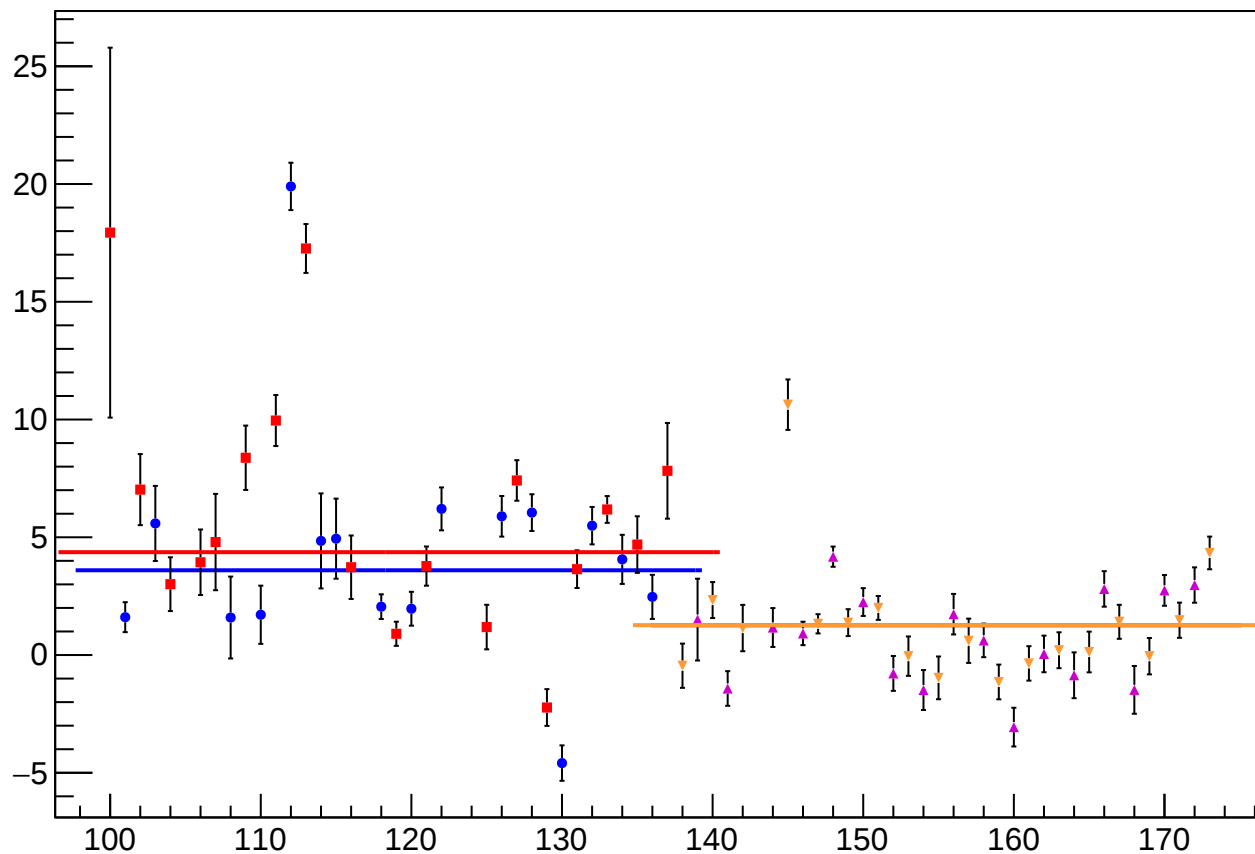
Left In: -37.796 $\pm$ 0.243 χ^2 /NDF:639.3/16

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

All: -37.946 $\pm$ 0.171 χ^2 /NDF: 1528.2/34

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

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 1.269 ± 0.167 χ^2/NDF : 134.8/17

Right Out: 4.367 ± 0.225 χ^2/NDF : 353.1/17

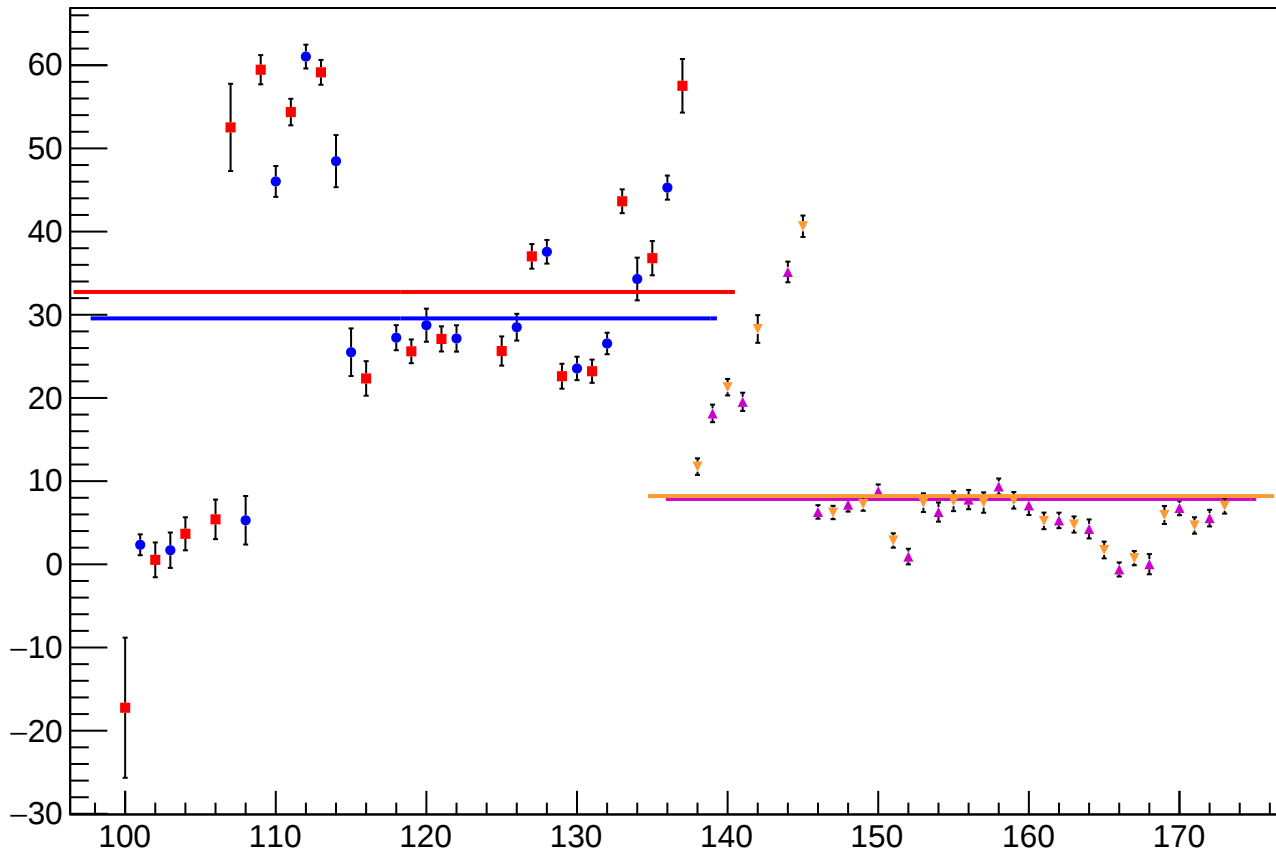
Left In: 1.262 ± 0.173 χ^2/NDF : 138.7/16

+ sign 2.122 ± 0.133 χ^2/NDF : 649.1/33

All: 2.264 ± 0.095 χ^2/NDF : 1263.3/68

- sign 2.413 ± 0.137 χ^2/NDF : 611.8/34

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 ± 0.420 $\chi^2/\text{NDF}: 1494.6/15$

Left Out: 8.204 ± 0.236 $\chi^2/\text{NDF}: 1172.4/17$

Right Out: 32.741 ± 0.423 $\chi^2/\text{NDF}: 1663.3/17$

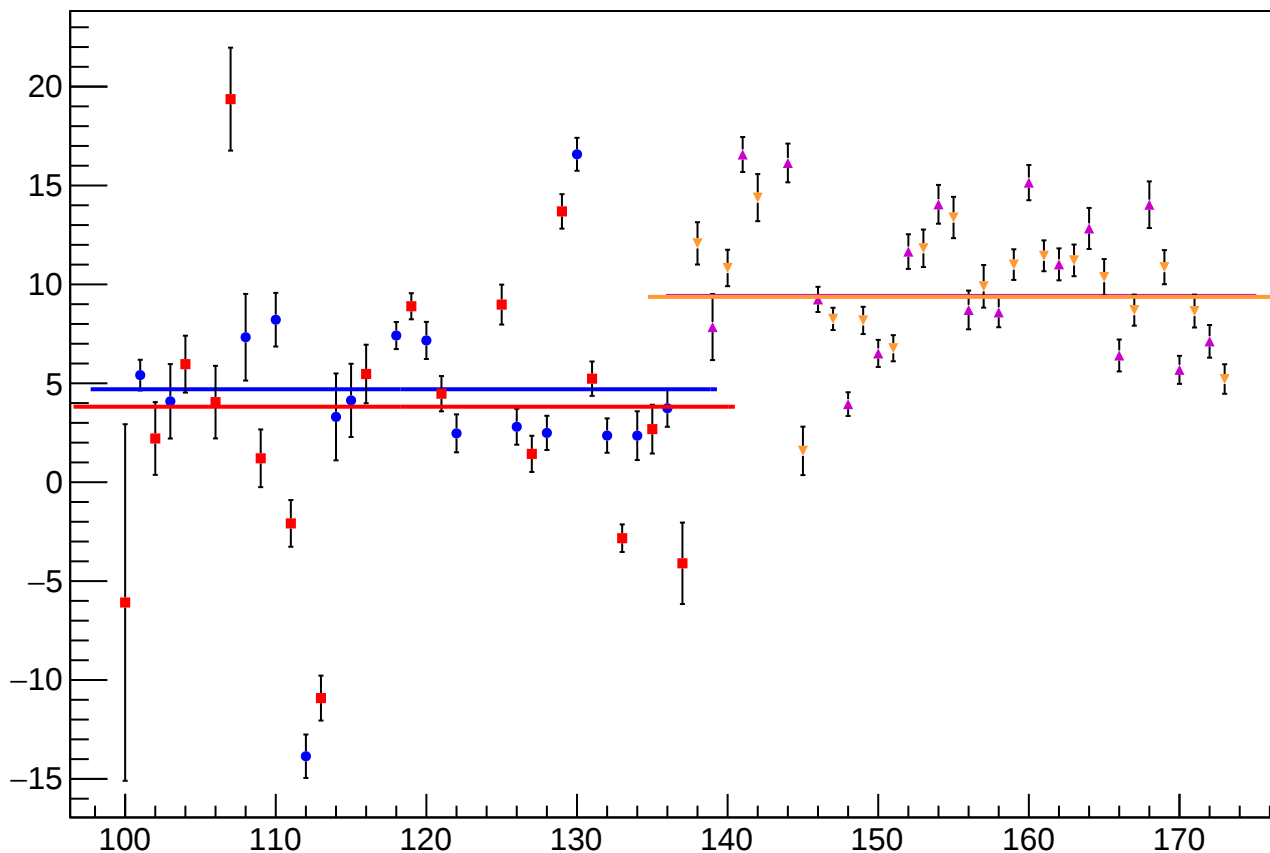
Left In: 7.861 ± 0.238 $\chi^2/\text{NDF}: 923.3/16$

+ sign 13.347 ± 0.206 $\chi^2/\text{NDF}: 4634.9/33$

All: 13.601 ± 0.146 $\chi^2/\text{NDF}: 9853.3/68$

- sign 13.859 ± 0.208 $\chi^2/\text{NDF}: 5215.3/34$

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.369 ± 0.196 χ^2/NDF : 164.6/17

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

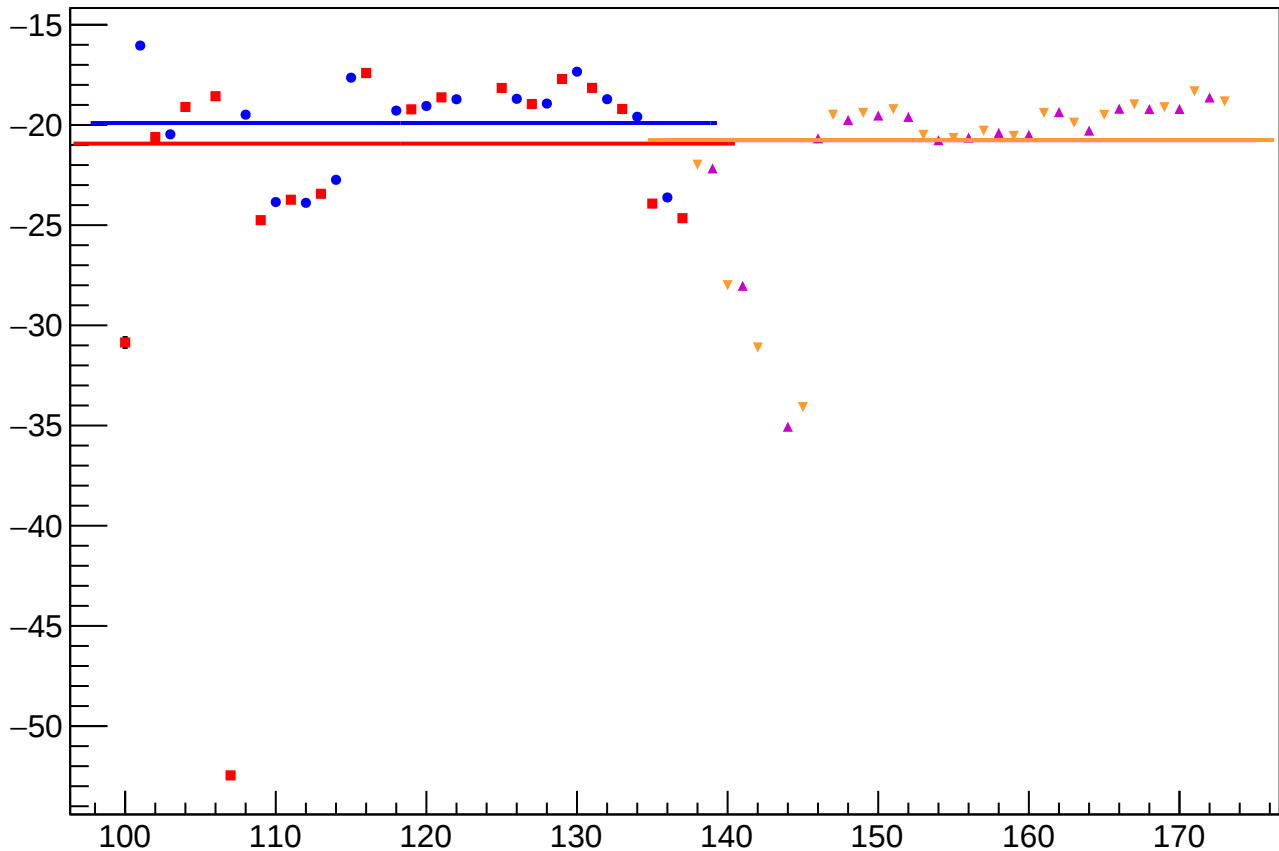
Left In: 9.417 ± 0.201 χ^2/NDF : 366.1/16

+ sign 7.631 ± 0.155 χ^2/NDF : 925.8/33

All: 7.470 ± 0.111 χ^2/NDF : 2153.8/68

- sign 7.301 ± 0.159 χ^2/NDF : 1225.8/34

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 χ^2/NDF : 26054.0/15

Left Out: -20.752 ± 0.009 χ^2/NDF : 140889.0/17

Right Out: -20.931 ± 0.016 χ^2/NDF : 94008.3/17

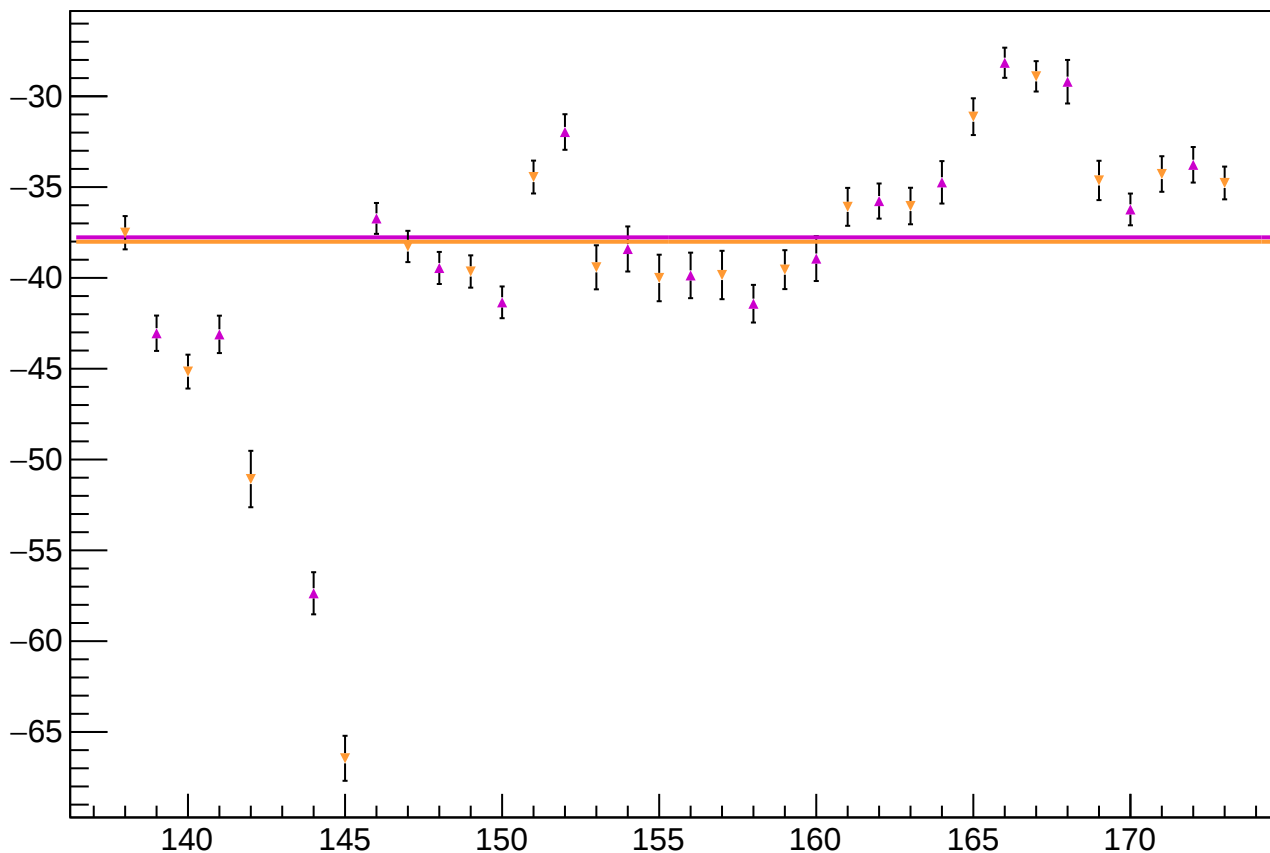
Left In: -20.759 ± 0.009 χ^2/NDF : 110959.5/16

+ sign -20.532 ± 0.008 χ^2/NDF : 169128.4/33

All: -20.667 ± 0.006 χ^2/NDF : 374763.1/68

- sign -20.804 ± 0.008 χ^2/NDF : 205055.8/34

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -38.009 $\pm$ 0.240 χ^2 /NDF:892.9/17

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

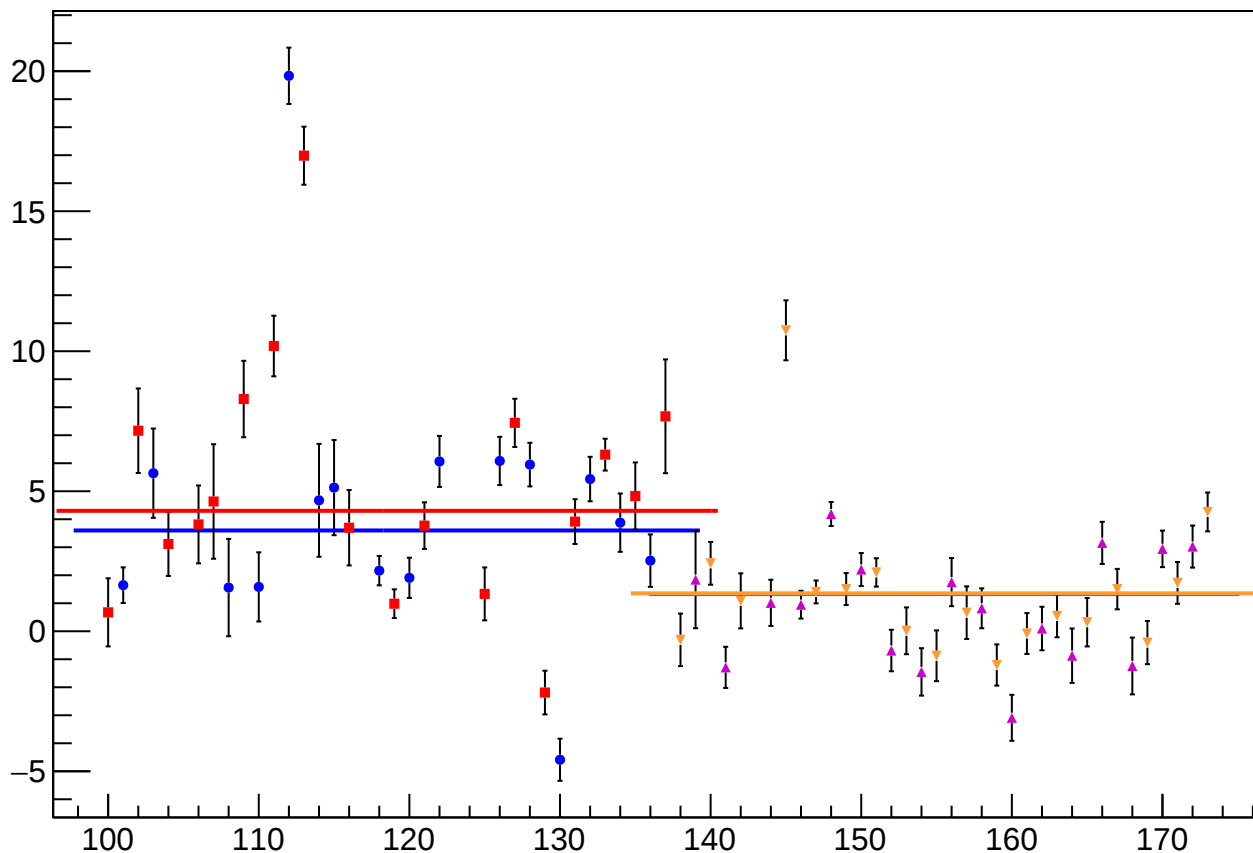
Left In: -37.768 $\pm$ 0.243 χ^2 /NDF:631.0/16

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

All: -37.890 $\pm$ 0.171 χ^2 /NDF: 1524.4/34

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

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.354 ± 0.167 χ^2/NDF : 135.1/17

Right Out: 4.301 ± 0.221 χ^2/NDF : 352.1/17

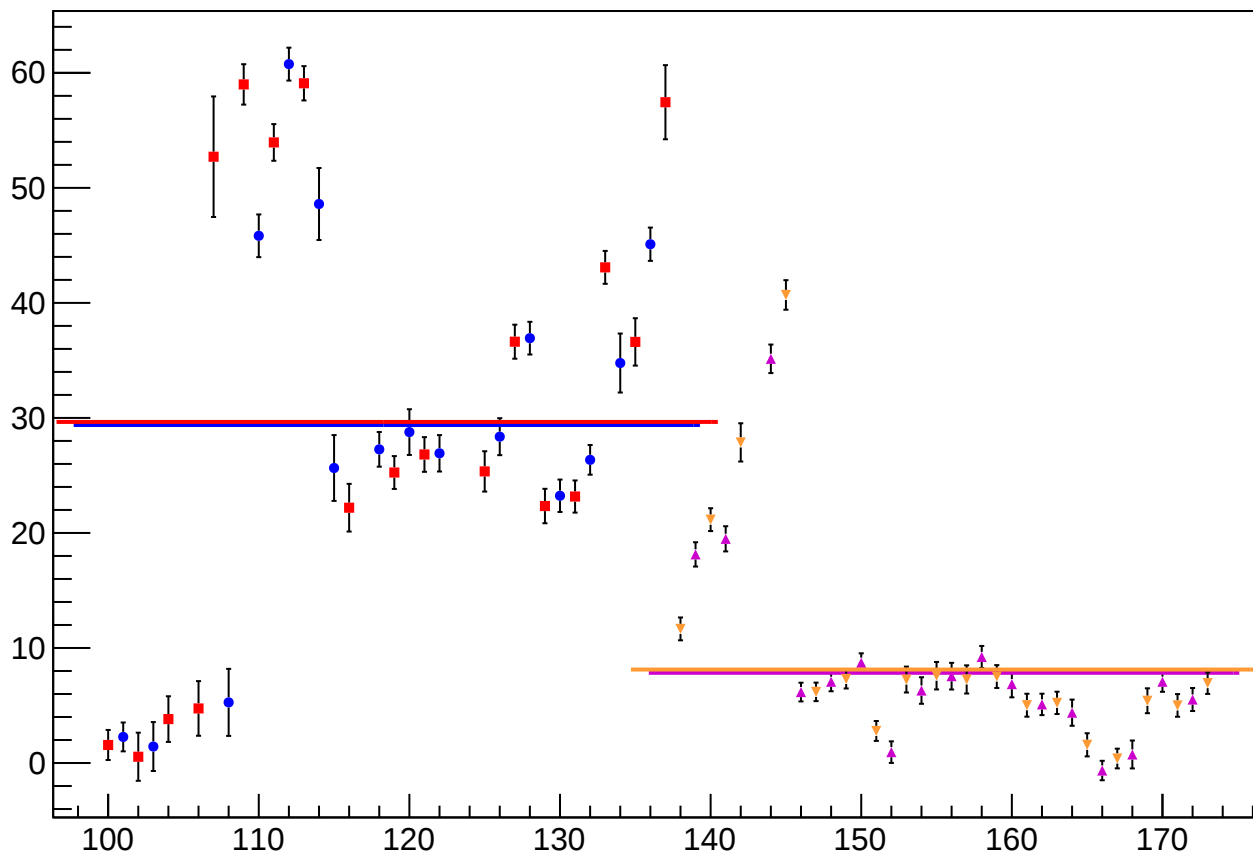
Left In: 1.329 ± 0.172 χ^2/NDF : 139.2/16

+ sign 2.176 ± 0.133 χ^2/NDF : 641.3/33

All: 2.312 ± 0.095 χ^2/NDF : 1247.1/68

- sign 2.454 ± 0.136 χ^2/NDF : 603.7/34

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 ± 0.419 $\chi^2/\text{NDF}: 1488.6/15$

Left Out: 8.125 ± 0.236 $\chi^2/\text{NDF}: 1175.0/17$

Right Out: 29.652 ± 0.402 $\chi^2/\text{NDF}: 2131.0/17$

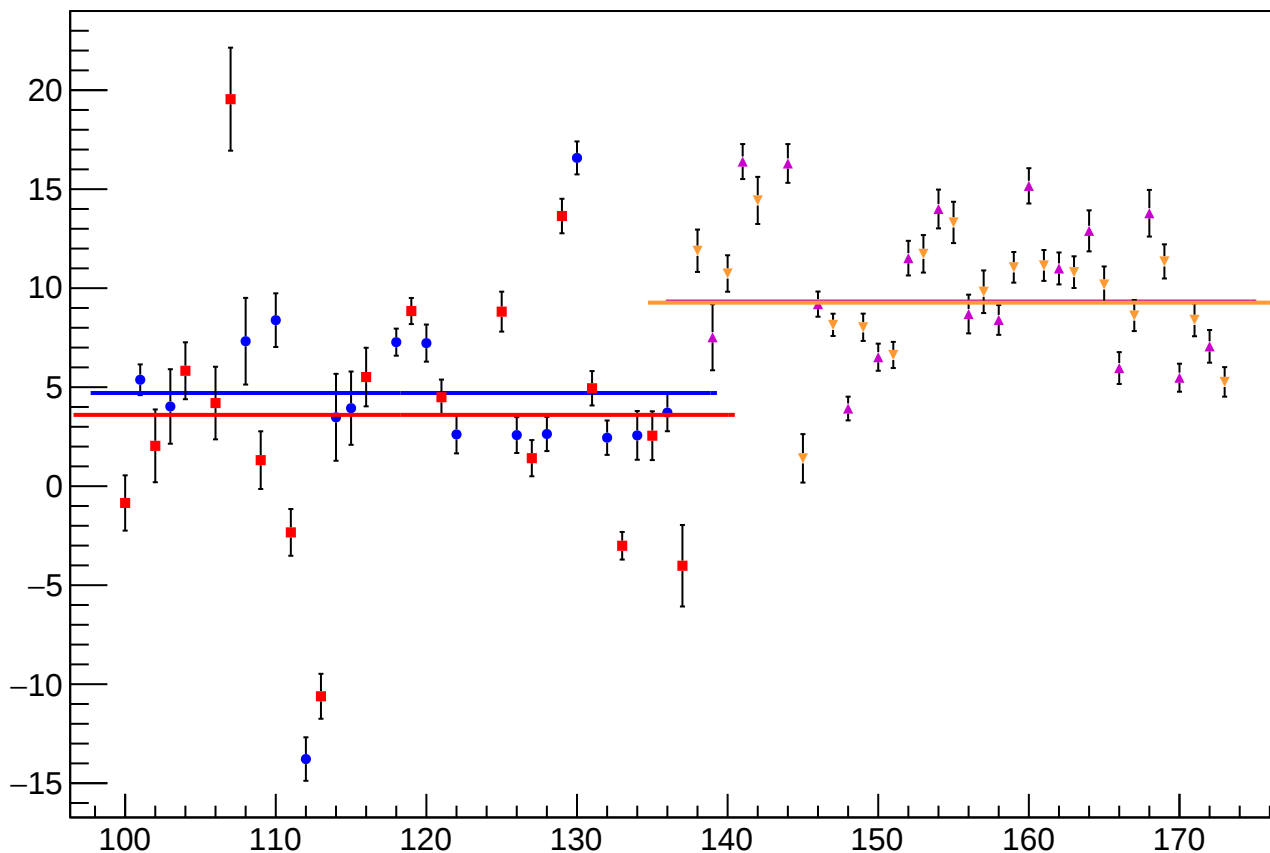
Left In: 7.843 ± 0.238 $\chi^2/\text{NDF}: 917.1/16$

+ sign 13.245 ± 0.206 $\chi^2/\text{NDF}: 4616.2/33$

All: 13.373 ± 0.145 $\chi^2/\text{NDF}: 9841.0/68$

- sign 13.500 ± 0.205 $\chi^2/\text{NDF}: 5224.1/34$

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.270 ± 0.195 χ^2/NDF : 166.2/17

Right Out: 3.601 ± 0.254 χ^2/NDF : 573.4/17

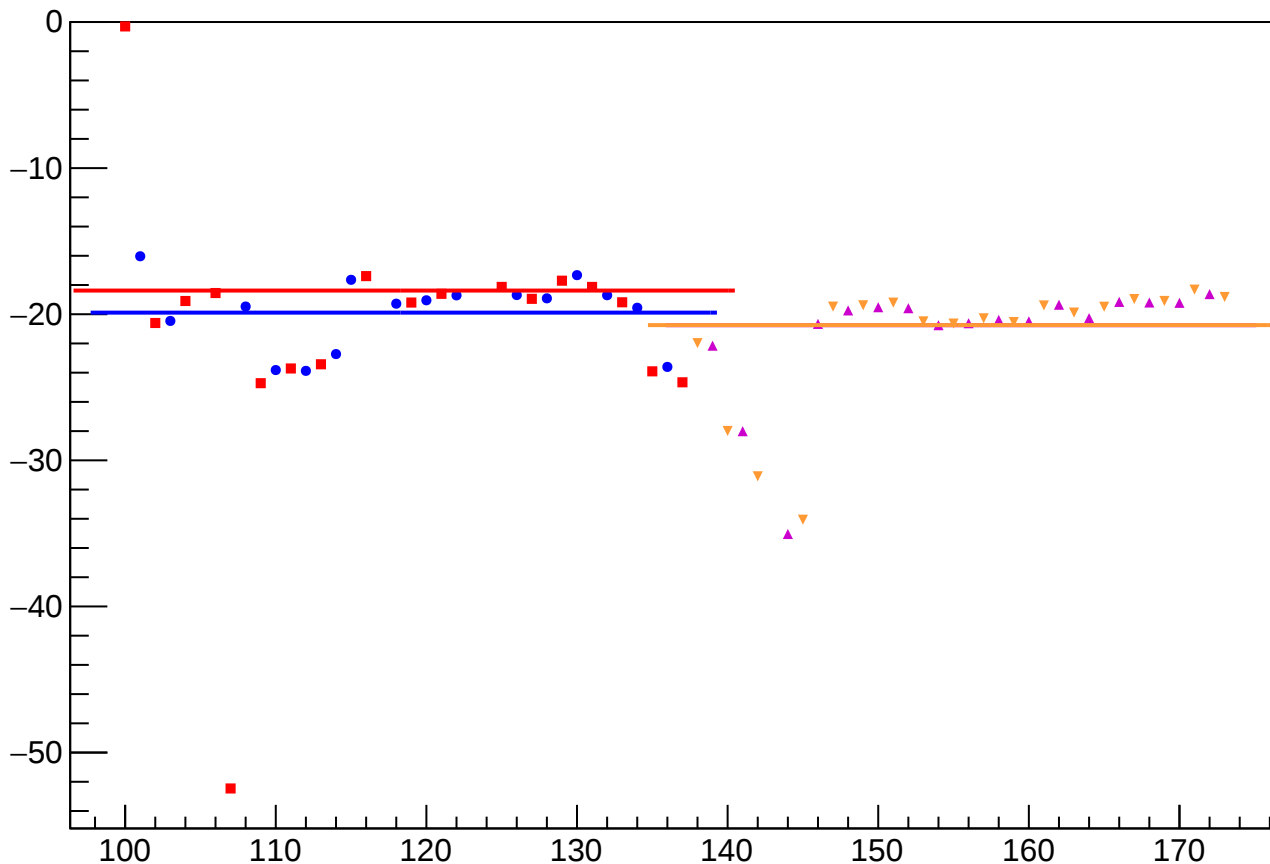
Left In: 9.326 ± 0.201 χ^2/NDF : 373.0/16

+ sign 7.571 ± 0.155 χ^2/NDF : 914.3/33

All: 7.349 ± 0.111 χ^2/NDF : 2176.9/68

- sign 7.118 ± 0.158 χ^2/NDF : 1258.4/34

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890+/-0.016 χ^2/NDF : 26044.4/15

Left Out: -20.744+/-0.009 χ^2/NDF : 140979.2/17

Right Out: -18.380+/-0.015 χ^2/NDF : 300999.4/17

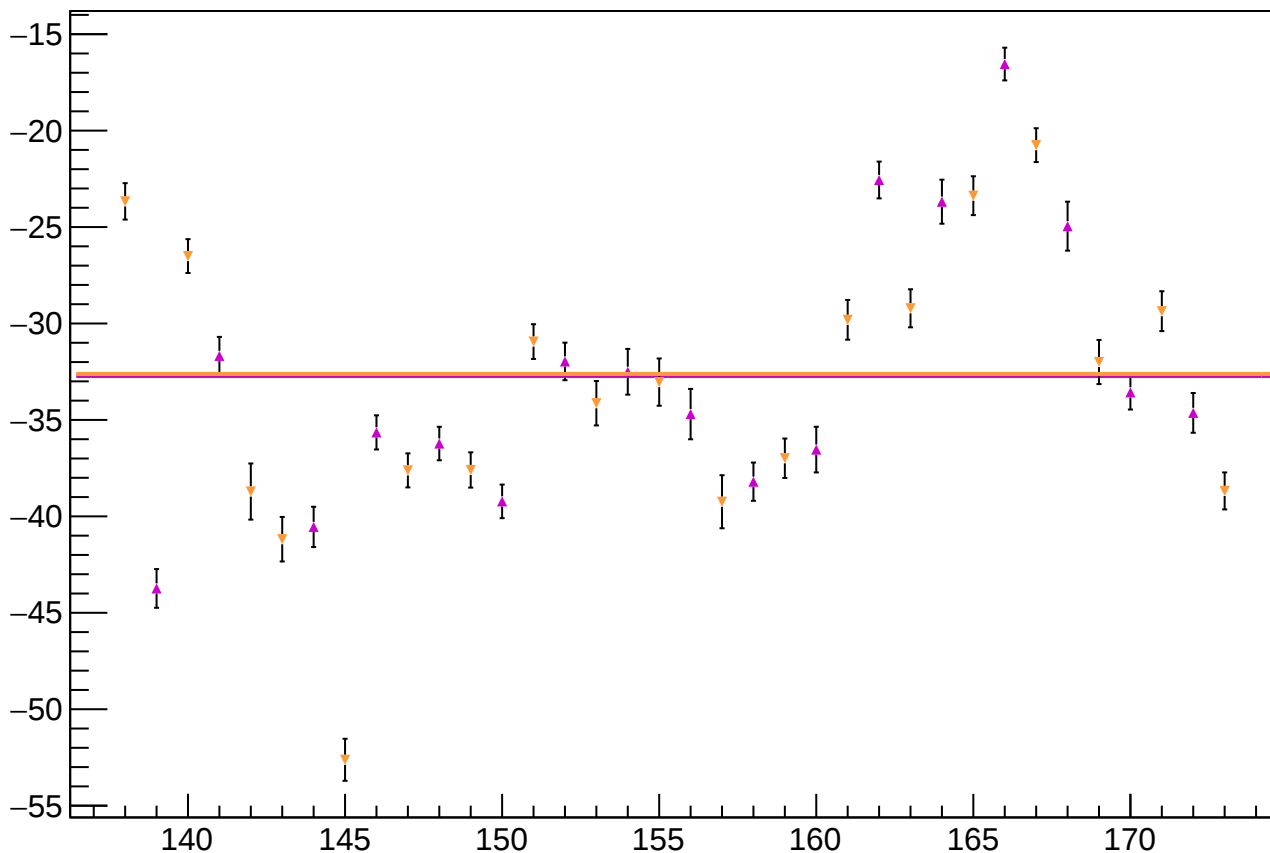
Left In: -20.751+/-0.009 χ^2/NDF : 110855.1/16

+ sign -20.523+/-0.008 χ^2/NDF : 169232.8/33

All: -20.295+/-0.006 χ^2/NDF : 601143.3/68

- sign -20.071+/-0.008 χ^2/NDF : 430290.9/34

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -32.617+/-0.235 χ^2/NDF :993.6/18

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

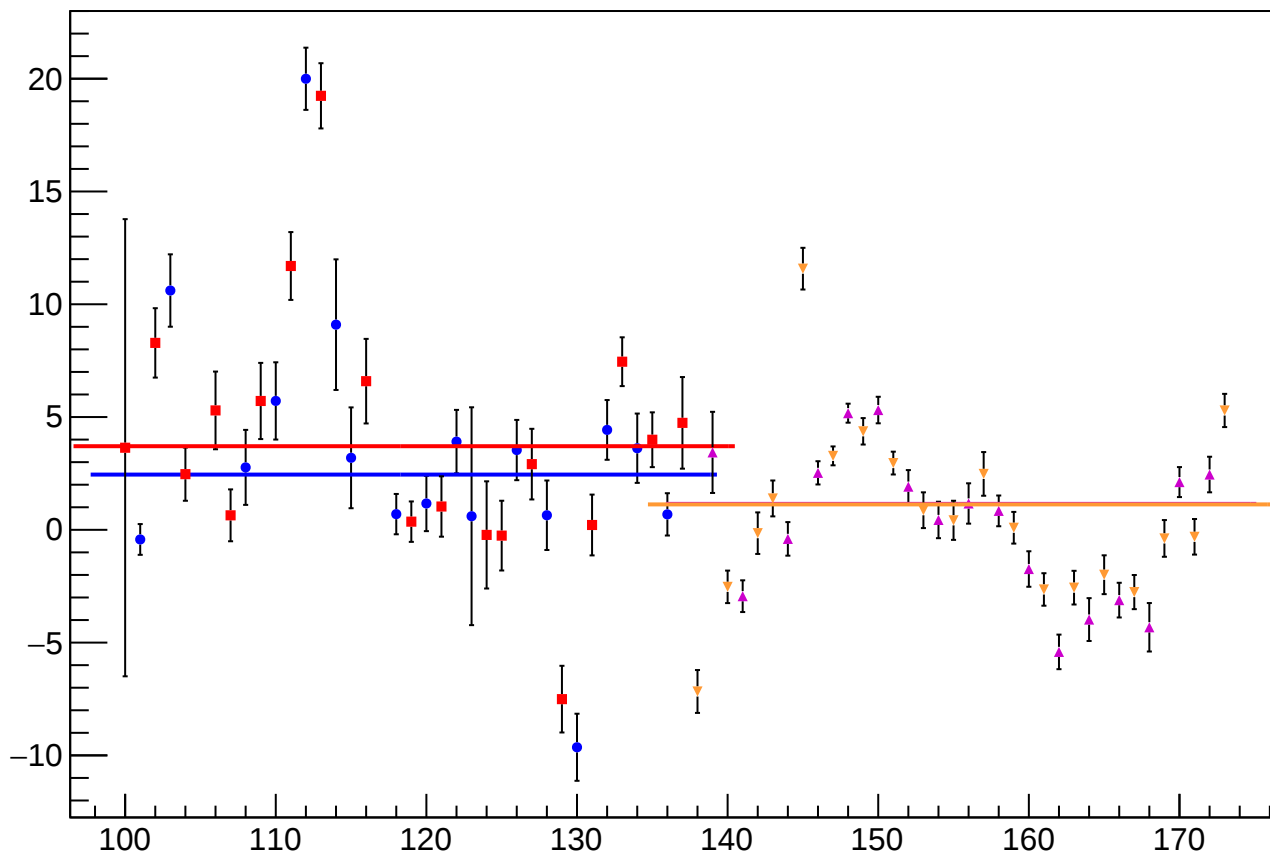
Left In: -32.720+/-0.242 χ^2/NDF :885.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.667+/-0.169 χ^2/NDF : 1879.0/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 1.127 ± 0.164 χ^2/NDF : 436.9/18

Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

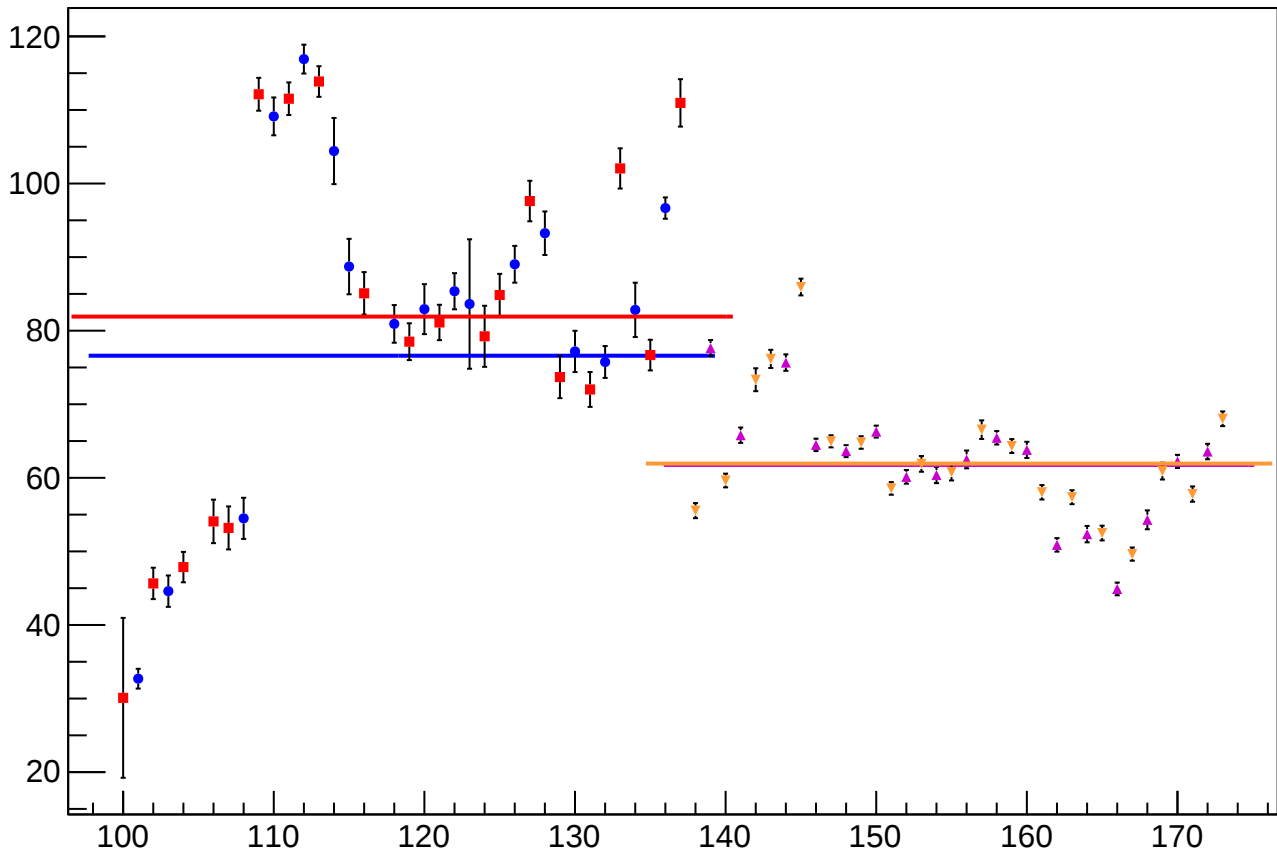
Left In: 1.150 ± 0.171 χ^2/NDF : 367.7/16

+ sign 1.409 ± 0.145 χ^2/NDF : 746.1/35

All: 1.549 ± 0.105 χ^2/NDF : 1433.3/71

- sign 1.702 ± 0.152 χ^2/NDF : 685.3/35

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 61.938 $\pm$ 0.232 χ^2 /NDF:1107.5/18

Right Out: 81.916 $\pm$ 0.592 χ^2 /NDF: 1570.7/18

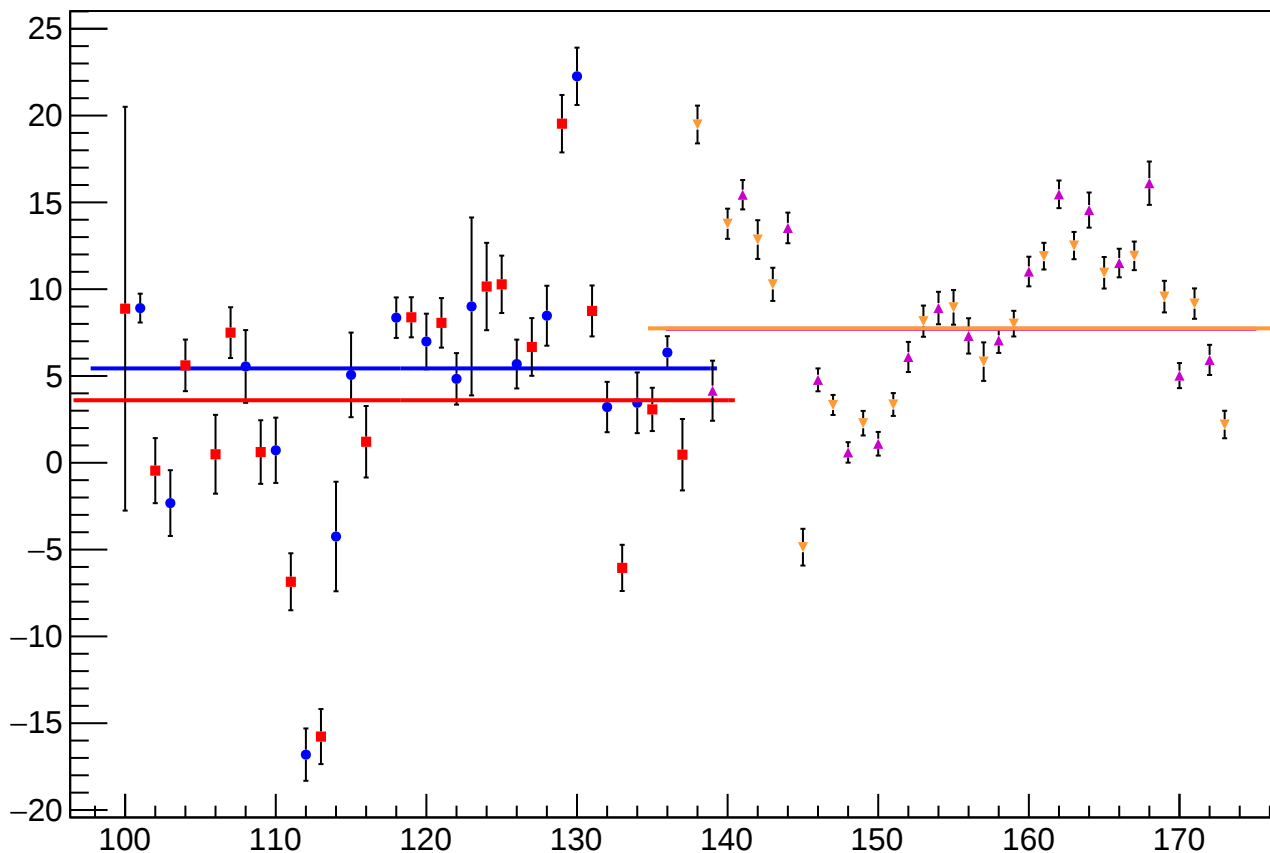
Left In: 61.751 $\pm$ 0.237 χ^2 /NDF:1083.1/16

+ sign 63.984 $\pm$ 0.215 χ^2 /NDF: 3919.8/35

All: 64.258 $\pm$ 0.154 χ^2 /NDF: 7576.3/71

- sign 64.544 $\pm$ 0.220 χ^2 /NDF: 3653.2/35

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 7.744 ± 0.191 $\chi^2/\text{NDF}: 661.6/18$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

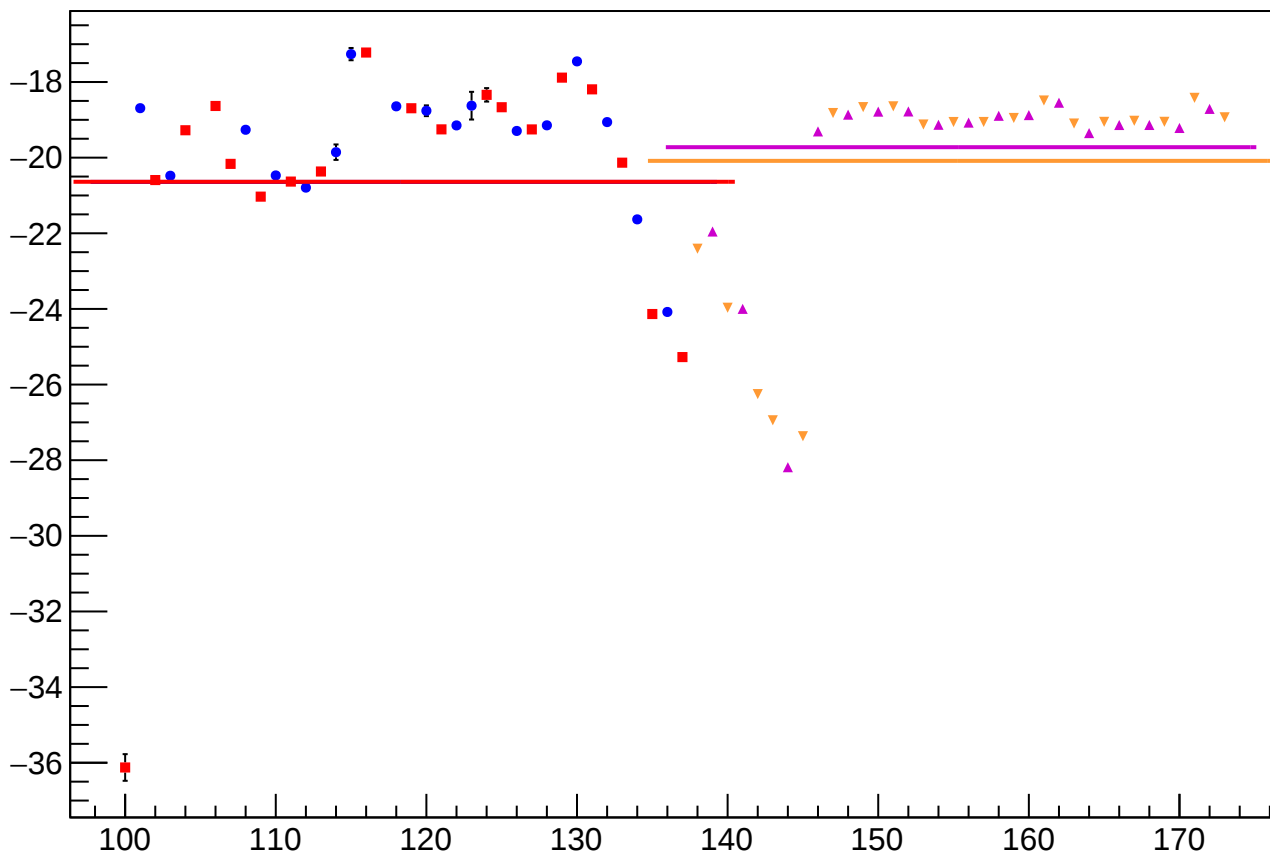
Left In: 7.715 ± 0.200 $\chi^2/\text{NDF}: 636.9/16$

+ sign 7.236 ± 0.169 $\chi^2/\text{NDF}: 1080.8/35$

All: 7.029 ± 0.122 $\chi^2/\text{NDF}: 2237.8/71$

- sign 6.804 ± 0.176 $\chi^2/\text{NDF}: 1153.9/35$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -20.085 ± 0.009 χ^2/NDF : 82270.9/18

Right Out: -20.638 ± 0.019 χ^2/NDF : 13783.4/18

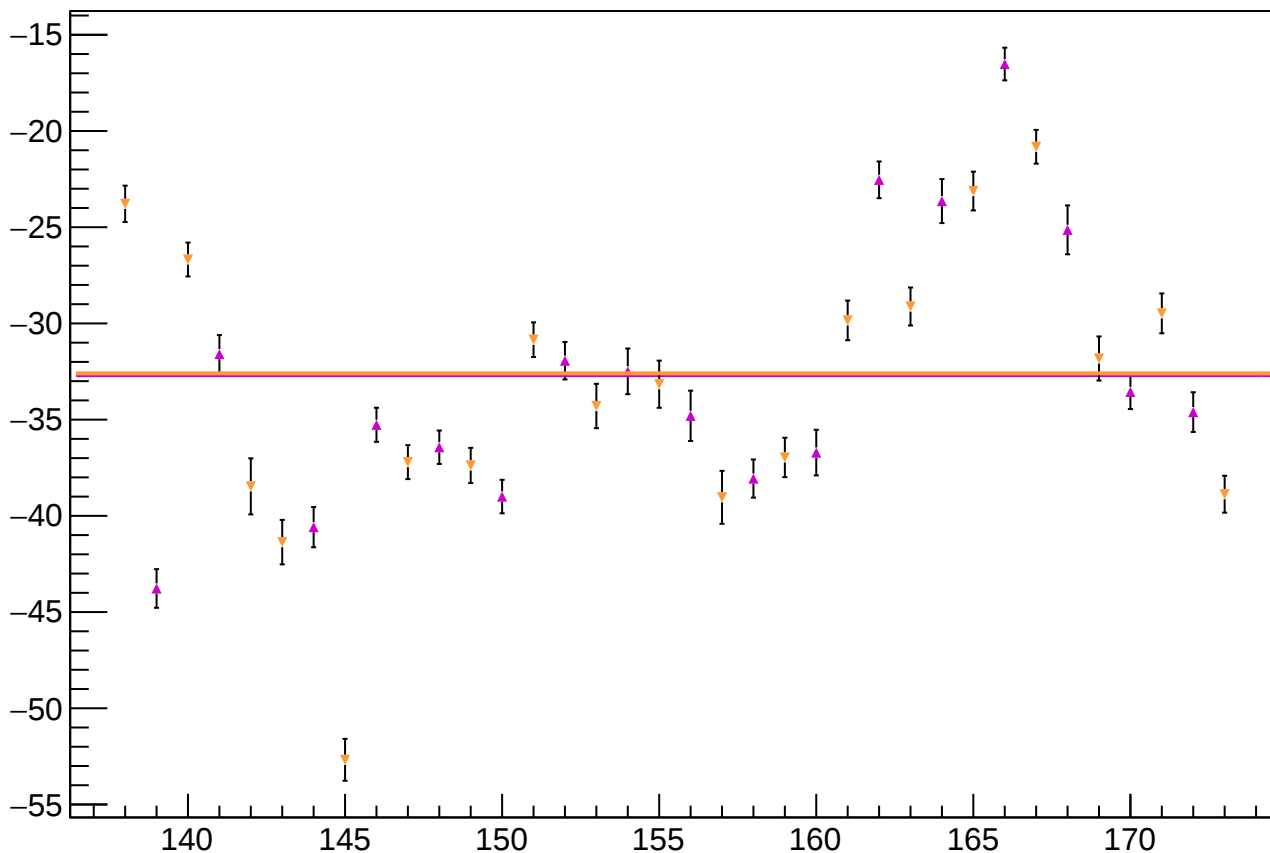
Left In: -19.723 ± 0.009 χ^2/NDF : 49701.6/16

+ sign -20.186 ± 0.008 χ^2/NDF : 95381.4/35

All: -20.043 ± 0.006 χ^2/NDF : 161276.6/71

- sign -19.894 ± 0.008 χ^2/NDF : 65281.8/35

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.594+/-0.235 χ^2/NDF : 987.2/18

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

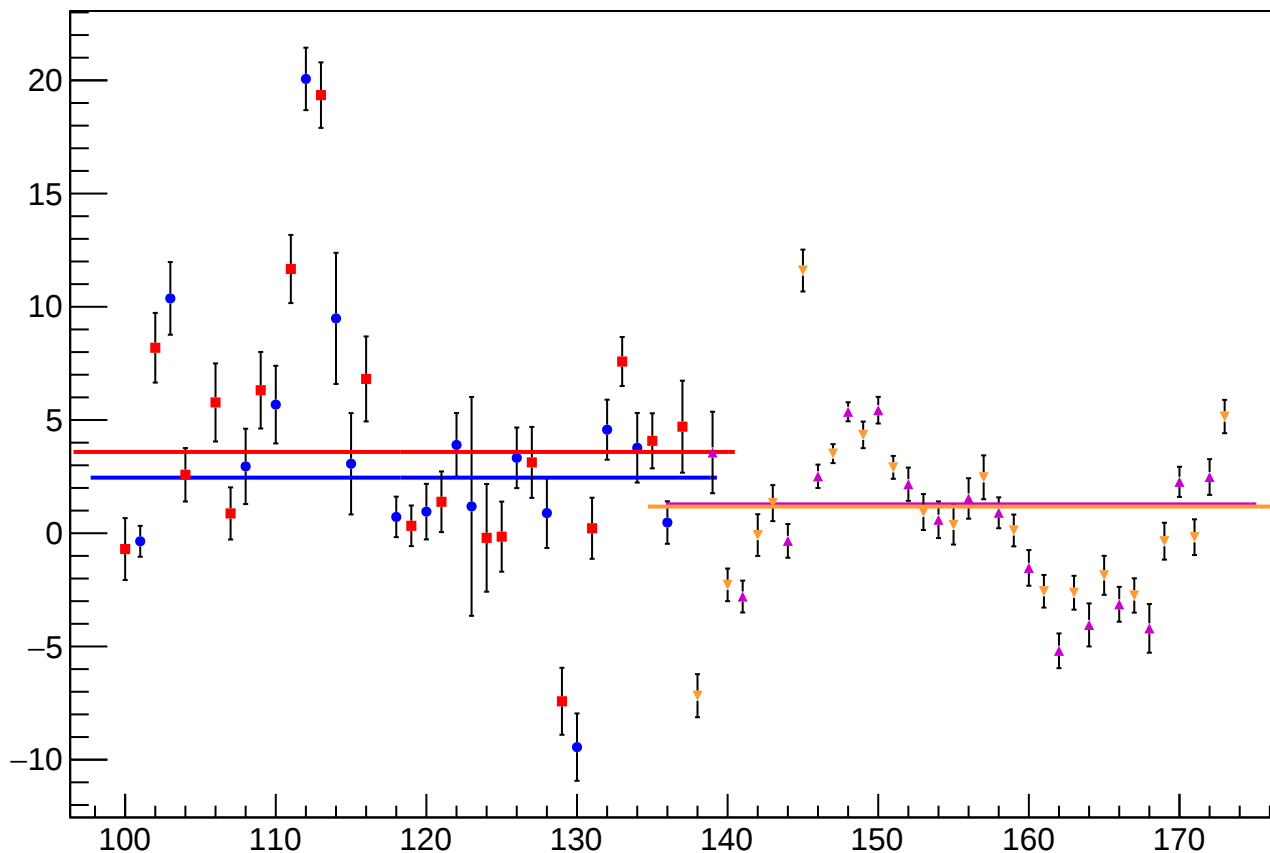
Left In: -32.688+/-0.243 χ^2/NDF : 881.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.640+/-0.169 χ^2/NDF : 1868.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 $\chi^2/\text{NDF}: 293.5/16$

Left Out: 1.178 ± 0.164 $\chi^2/\text{NDF}: 433.8/18$

Right Out: 3.590 ± 0.318 $\chi^2/\text{NDF}: 279.8/18$

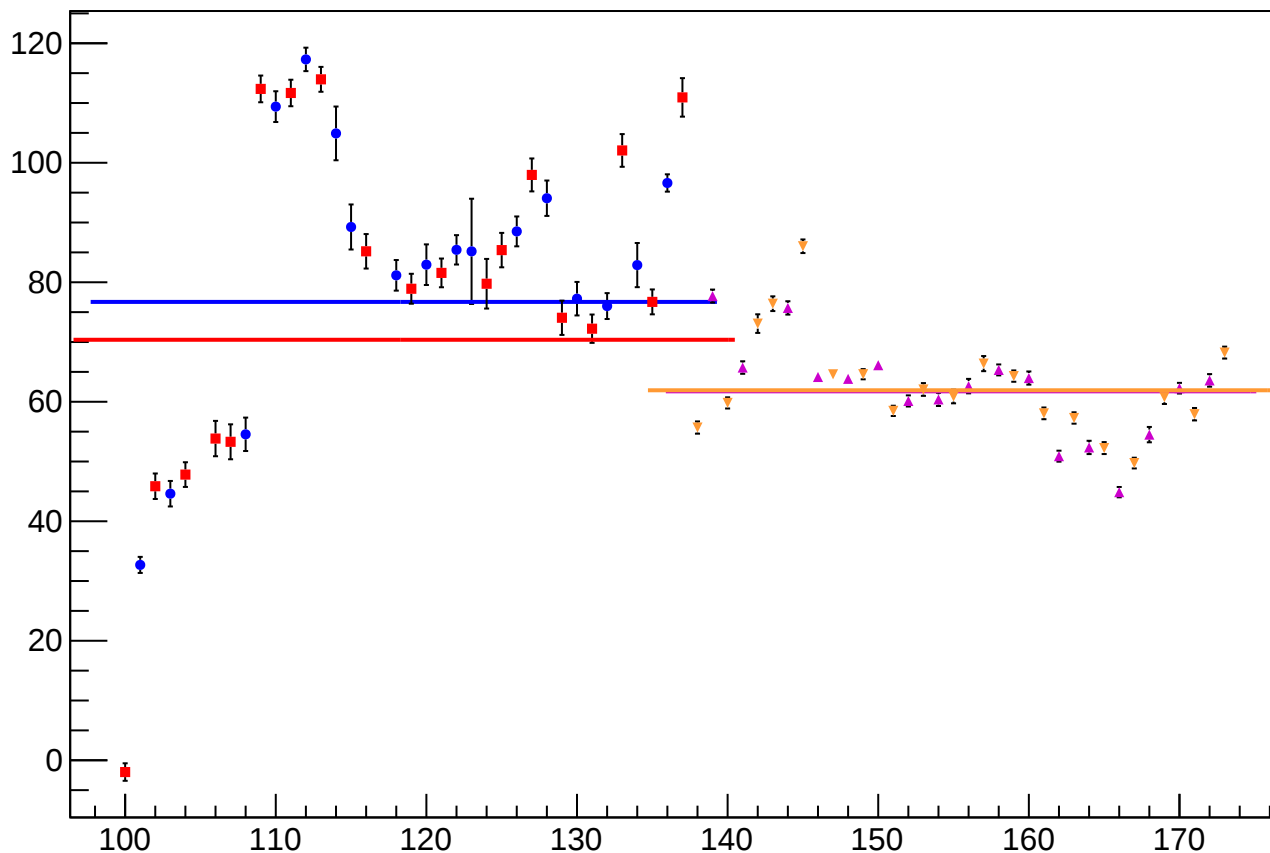
Left In: 1.275 ± 0.171 $\chi^2/\text{NDF}: 370.8/16$

+ sign 1.451 ± 0.145 $\chi^2/\text{NDF}: 740.3/35$

All: 1.617 ± 0.105 $\chi^2/\text{NDF}: 1434.7/71$

- sign 1.797 ± 0.151 $\chi^2/\text{NDF}: 691.8/35$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 61.922+/-0.232 χ^2/NDF : 1108.2/18

Right Out: 70.376+/-0.550 χ^2/NDF : 4390.7/18

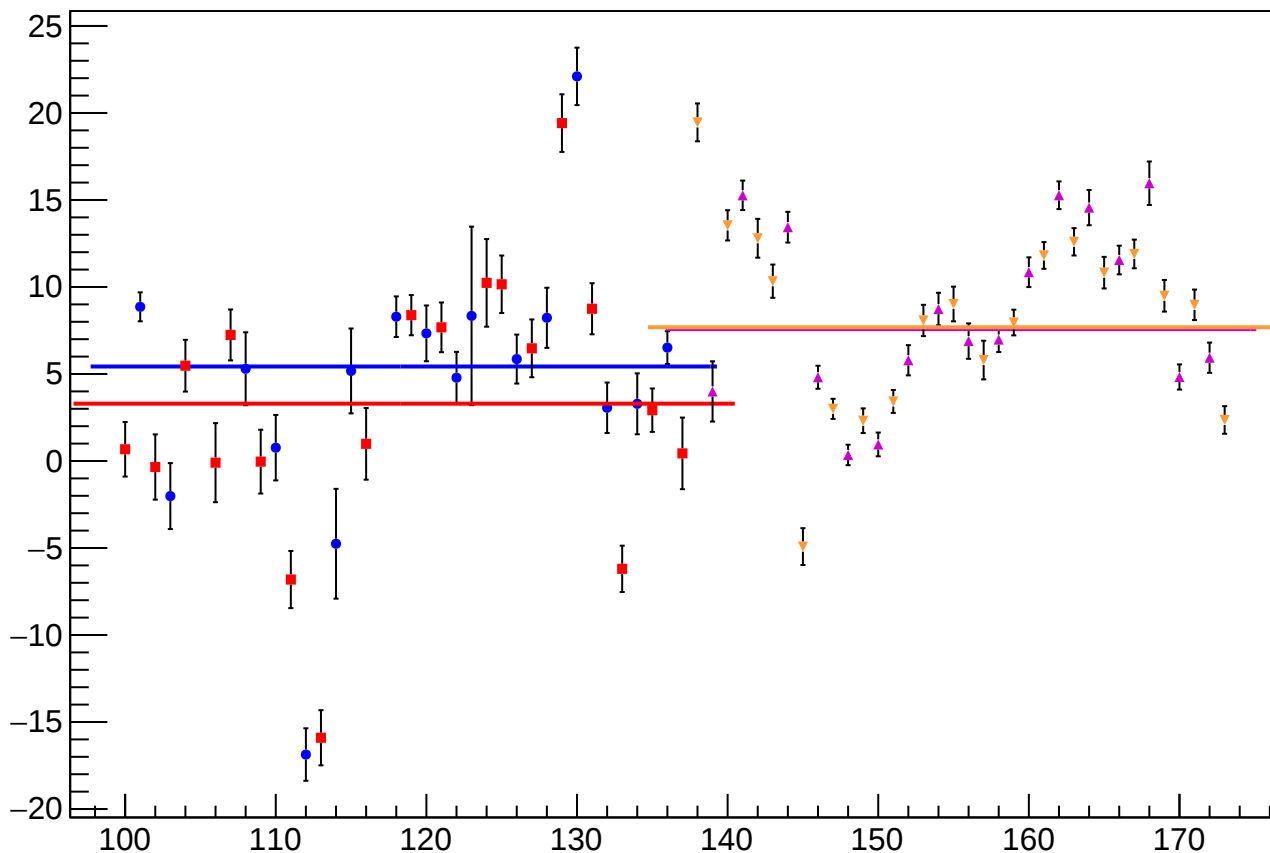
Left In: 61.745+/-0.238 χ^2/NDF : 1078.7/16

+ sign 63.986+/-0.215 χ^2/NDF : 3941.5/35

All: 63.550+/-0.153 χ^2/NDF : 9626.9/71

- sign 63.103+/-0.218 χ^2/NDF : 5677.0/35

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 7.685 ± 0.192 χ^2/NDF : 660.3/18

Right Out: 3.295 ± 0.365 χ^2/NDF : 426.1/18

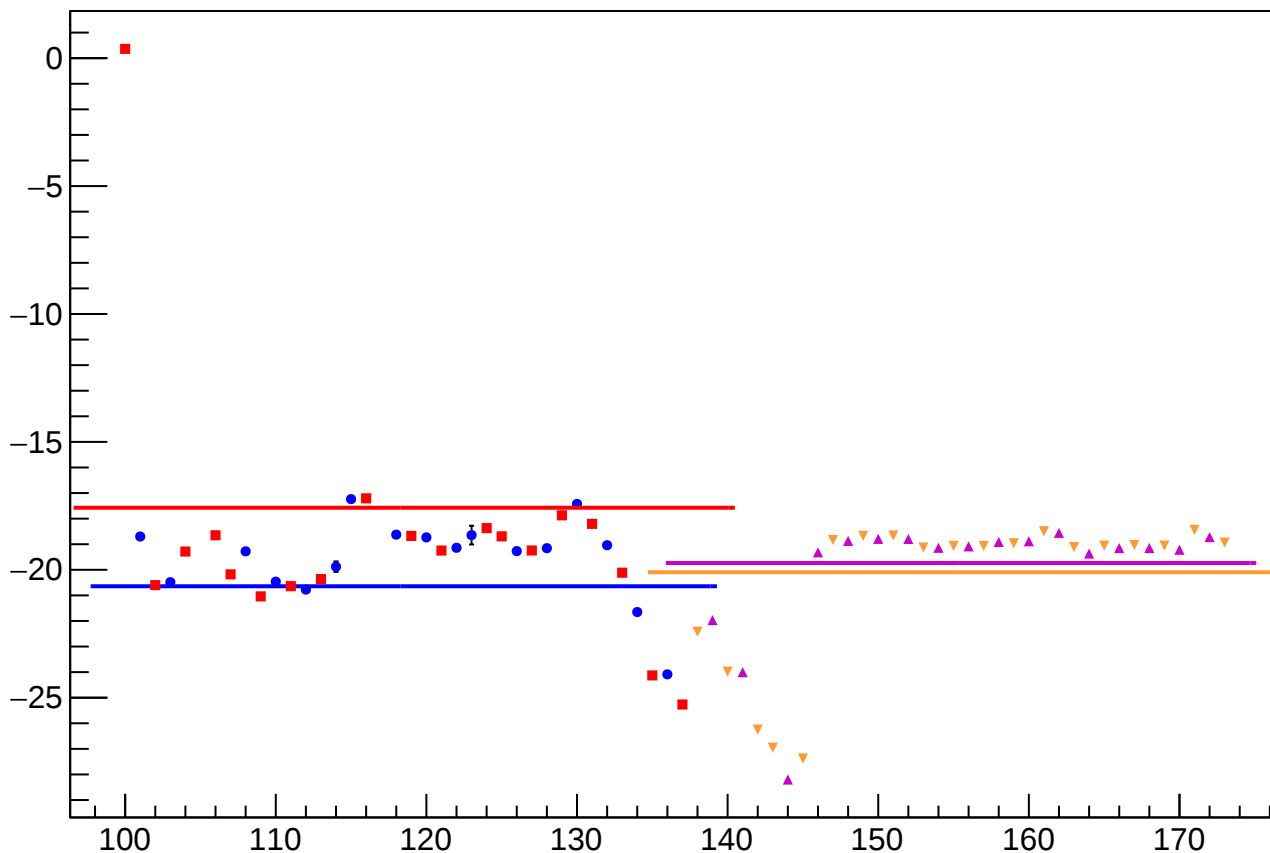
Left In: 7.578 ± 0.200 χ^2/NDF : 641.8/16

+ sign 7.188 ± 0.169 χ^2/NDF : 1076.7/35

All: 6.899 ± 0.122 χ^2/NDF : 2256.4/71

- sign 6.588 ± 0.175 χ^2/NDF : 1173.7/35

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -20.094 ± 0.009 $\chi^2/\text{NDF}: 82121.5/18$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178327.0/18$

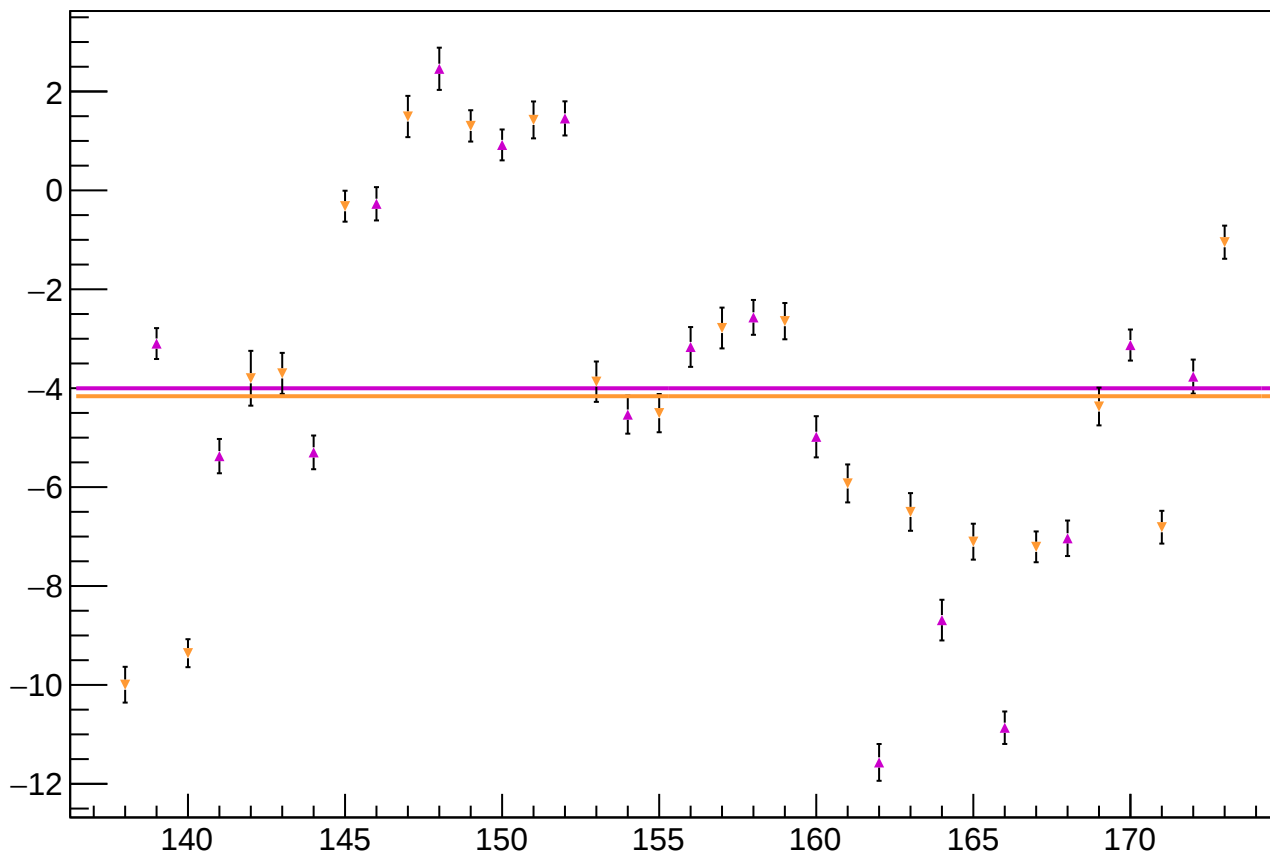
Left In: -19.734 ± 0.009 $\chi^2/\text{NDF}: 49637.5/16$

+ sign -20.194 ± 0.008 $\chi^2/\text{NDF}: 95249.4/35$

All: -19.738 ± 0.006 $\chi^2/\text{NDF}: 340669.7/71$

- sign -19.277 ± 0.008 $\chi^2/\text{NDF}: 239275.6/35$

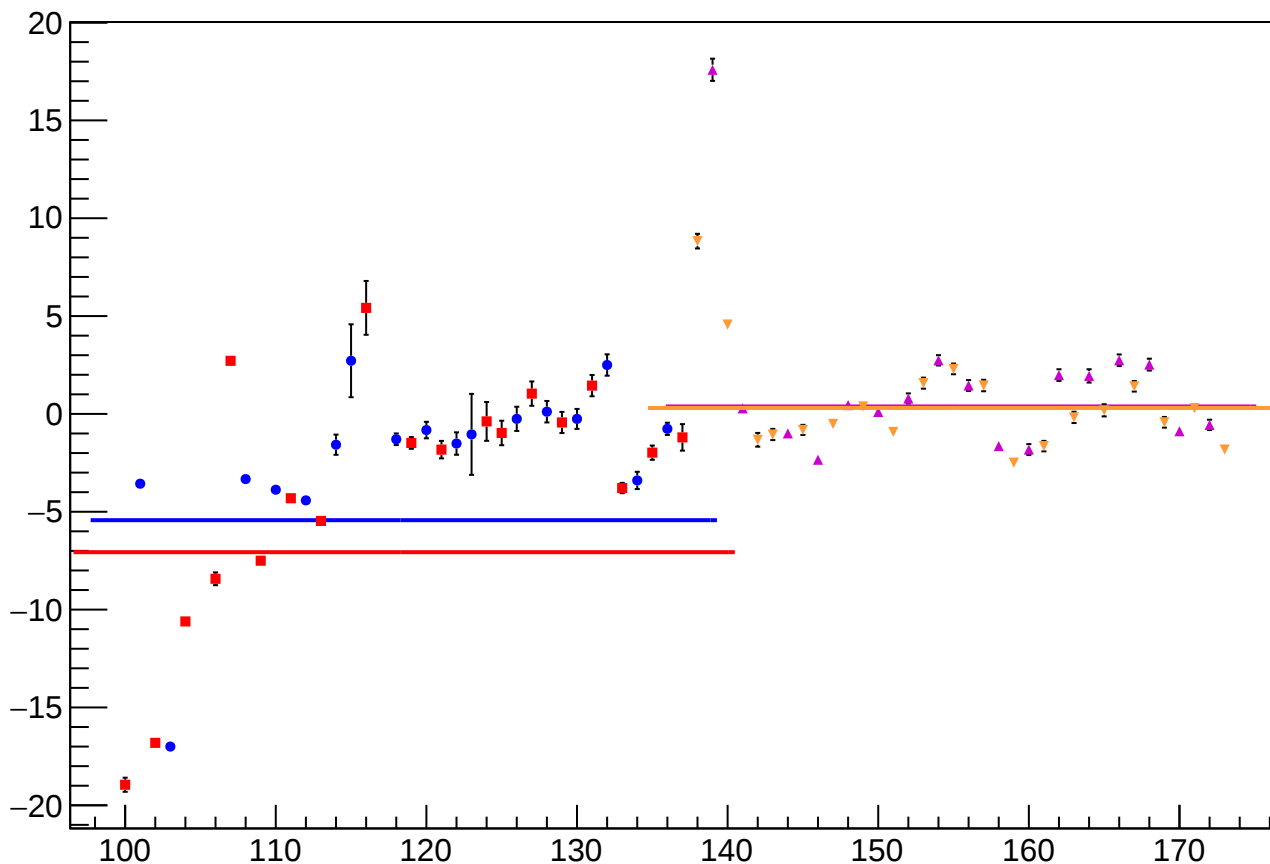
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -4.162 $\pm$ 0.083 χ^2/NDF :1855.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -4.002 $\pm$ 0.086 χ^2/NDF :1976.6/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 All: -4.085 $\pm$ 0.060 χ^2/NDF : 3833.8/35
 - sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 0.304 ± 0.060 χ^2/NDF : 1315.9/18

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

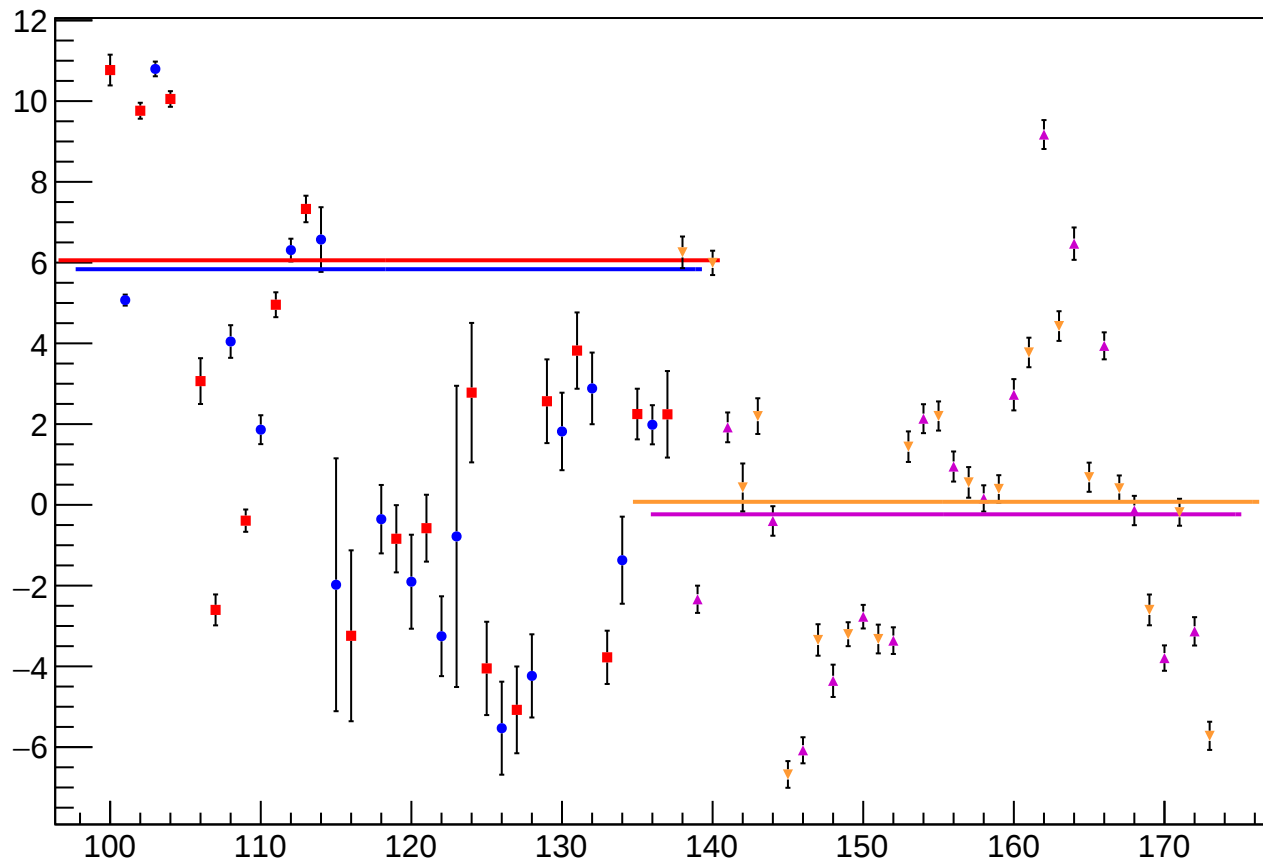
Left In: 0.381 ± 0.063 χ^2/NDF : 1550.3/16

+ sign -2.825 ± 0.041 χ^2/NDF : 15515.1/35

All: -3.189 ± 0.030 χ^2/NDF : 36945.3/71

- sign -3.604 ± 0.043 χ^2/NDF : 21257.0/35

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: 0.076 ± 0.082 $\chi^2/\text{NDF}: 1987.1/18$

Right Out: 6.057 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

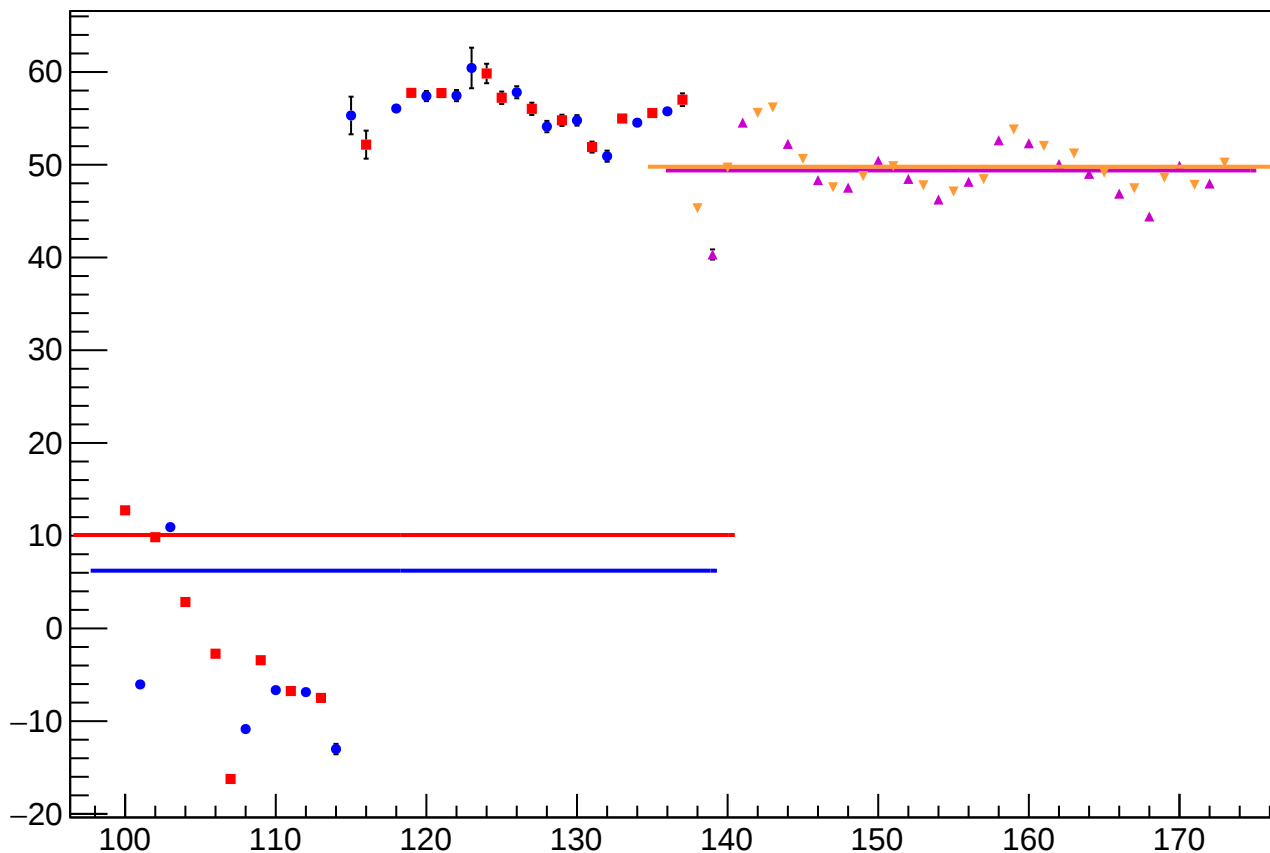
Left In: -0.234 ± 0.084 $\chi^2/\text{NDF}: 2107.1/16$

+ sign 2.714 ± 0.061 $\chi^2/\text{NDF}: 5665.2/35$

All: 2.658 ± 0.044 $\chi^2/\text{NDF}: 12941.2/71$

- sign 2.599 ± 0.063 $\chi^2/\text{NDF}: 7274.3/35$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 49.790 ± 0.069 χ^2/NDF : 1306.7/18

Right Out: 10.075 ± 0.070 χ^2/NDF : 122049.3/18

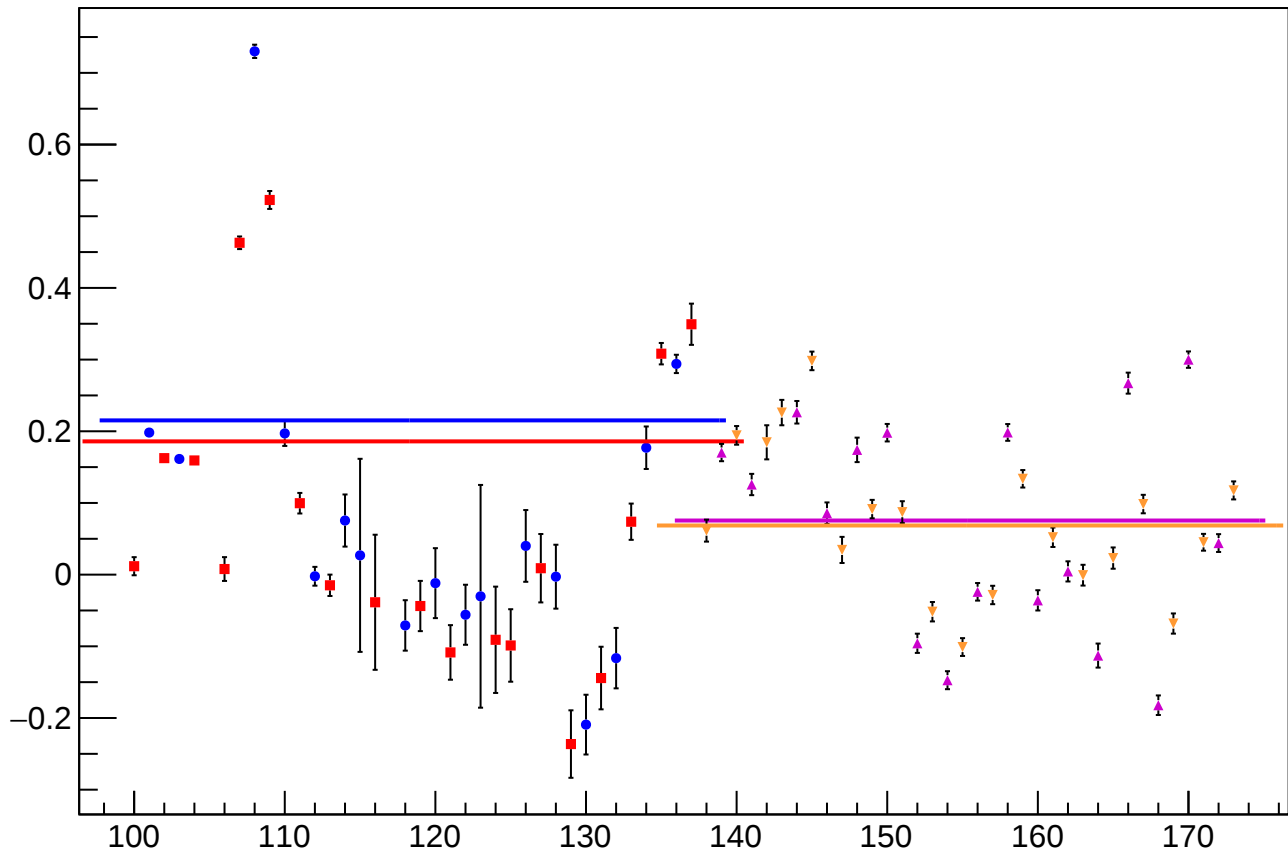
Left In: 49.385 ± 0.073 χ^2/NDF : 1425.4/16

+ sign 26.589 ± 0.047 χ^2/NDF : 333331.2/35

All: 27.702 ± 0.034 χ^2/NDF : 610623.0/71

- sign 28.959 ± 0.050 χ^2/NDF : 276113.5/35

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.069 $\pm$ 0.003 χ^2 /NDF:1022.0/18

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

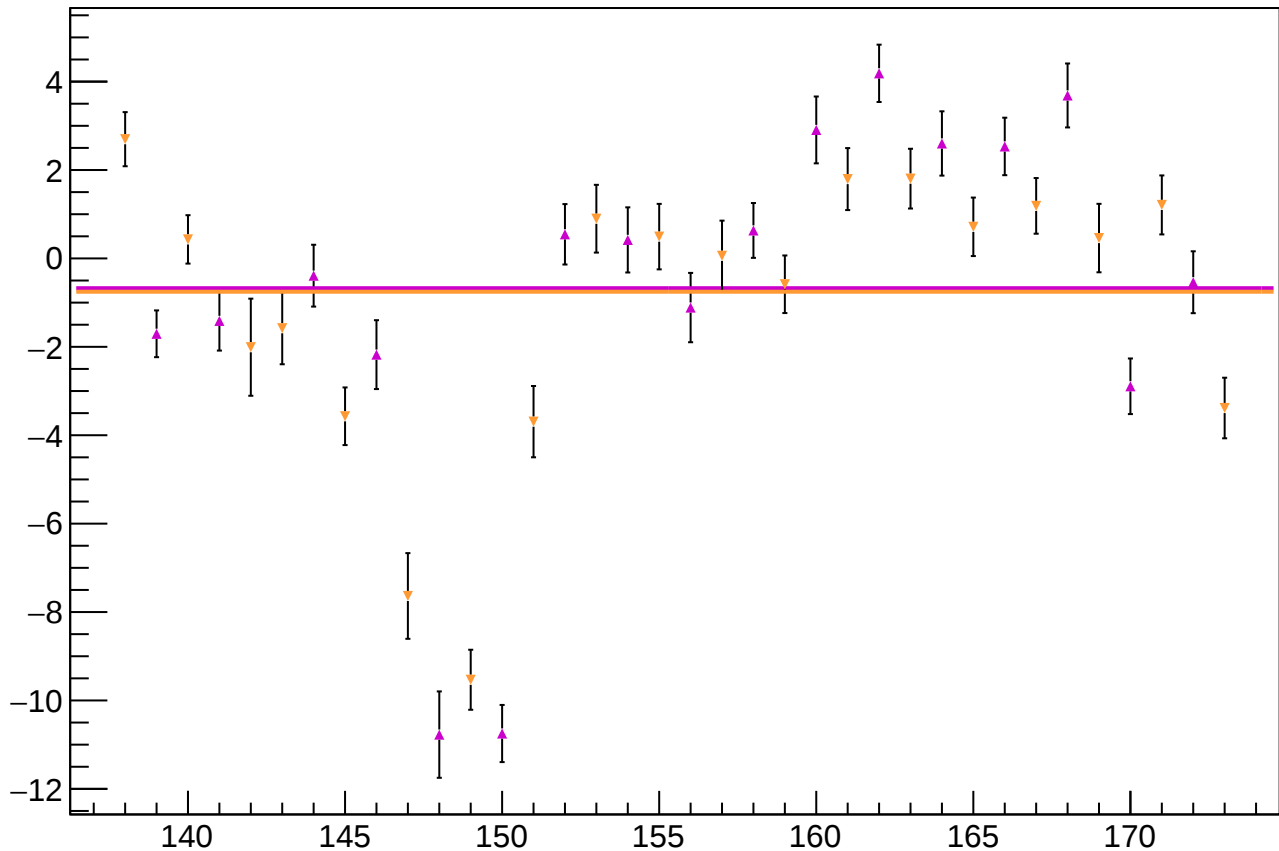
Left In: 0.076 $\pm$ 0.003 χ^2 /NDF:2087.5/16

+ sign 0.152 $\pm$ 0.002 χ^2 /NDF: 6154.8/35

All: 0.147 $\pm$ 0.001 χ^2 /NDF: 11654.4/71

- sign 0.141 $\pm$ 0.002 χ^2 /NDF: 5486.4/35

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.753 $\pm$ 0.162 χ^2 /NDF:364.7/18

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

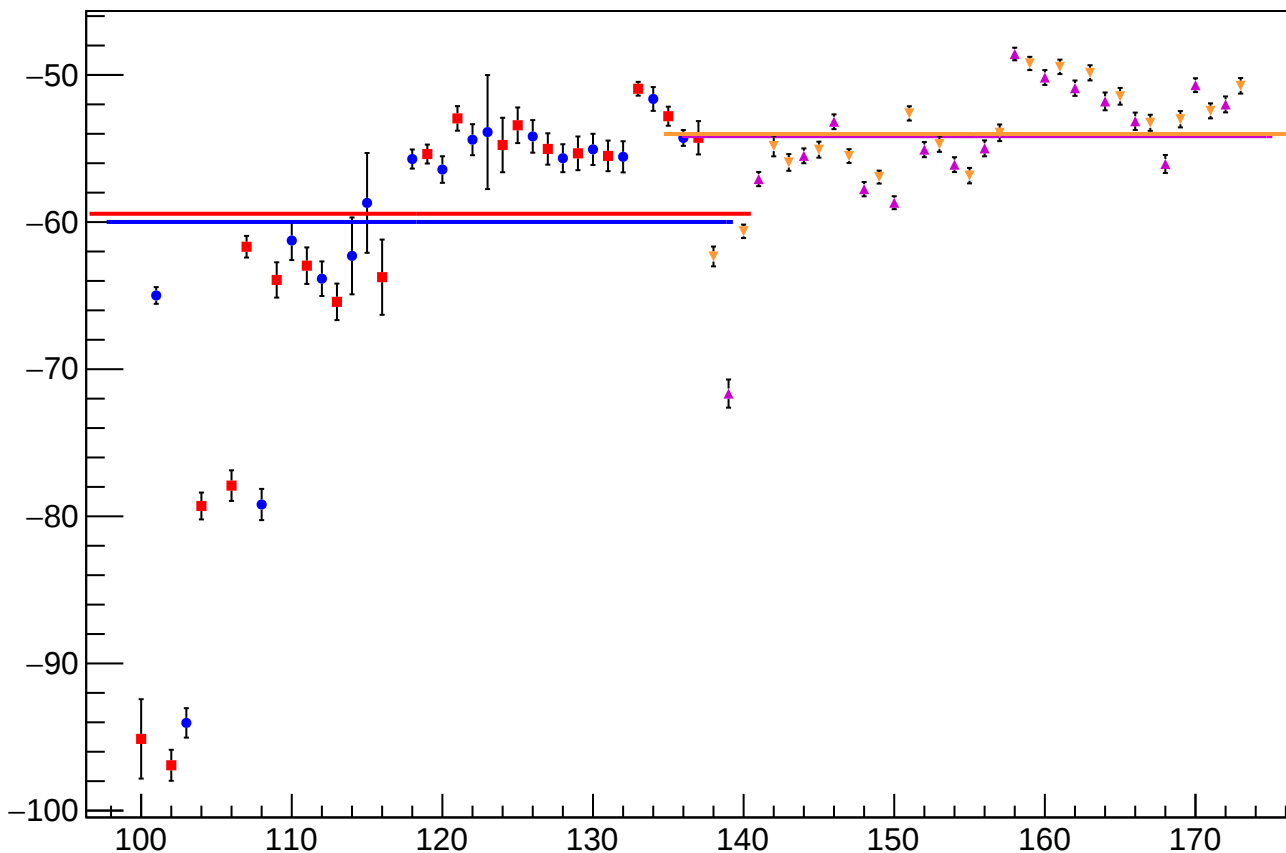
Left In: -0.674 $\pm$ 0.167 χ^2 /NDF:540.7/16

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

All: -0.715 $\pm$ 0.116 χ^2 /NDF: 905.6/35

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

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.014 ± 0.120 χ^2/NDF : 810.6/18

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

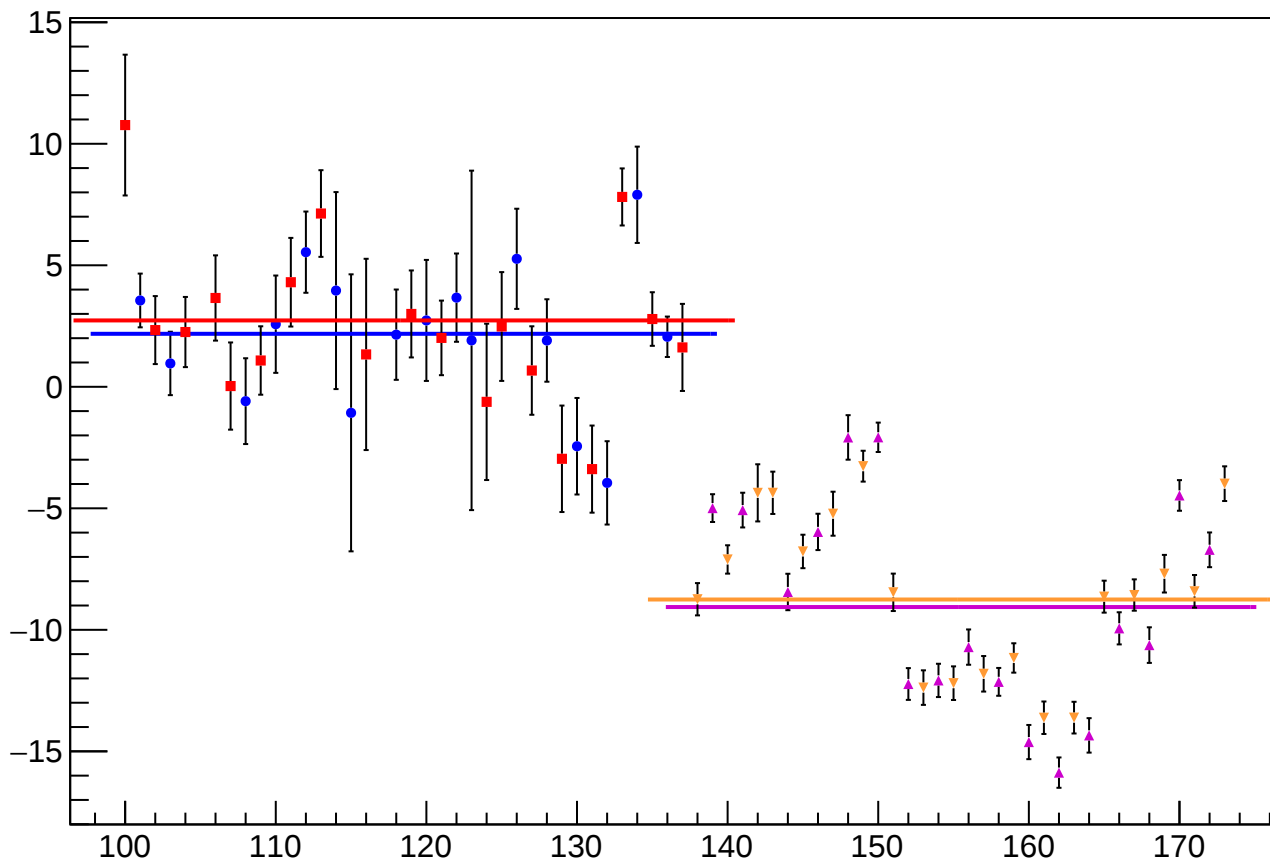
Left In: -54.161 ± 0.126 χ^2/NDF : 931.0/16

+ sign -55.333 ± 0.106 χ^2/NDF : 3333.7/35

All: -55.434 ± 0.076 χ^2/NDF : 7641.9/71

- sign -55.539 ± 0.108 χ^2/NDF : 4306.3/35

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 χ^2/NDF : 39.0/16

Left Out: -8.752 ± 0.161 χ^2/NDF : 385.1/18

Right Out: 2.731 ± 0.388 χ^2/NDF : 58.9/18

Left In: -9.063 ± 0.164 χ^2/NDF : 675.3/16

+ sign -7.265 ± 0.150 χ^2/NDF : 1051.7/35

All: -7.269 ± 0.106 χ^2/NDF : 2569.7/71

- sign -7.273 ± 0.151 χ^2/NDF : 1518.0/35

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -38.105 ± 0.136 $\chi^2/\text{NDF}: 846.6/18$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

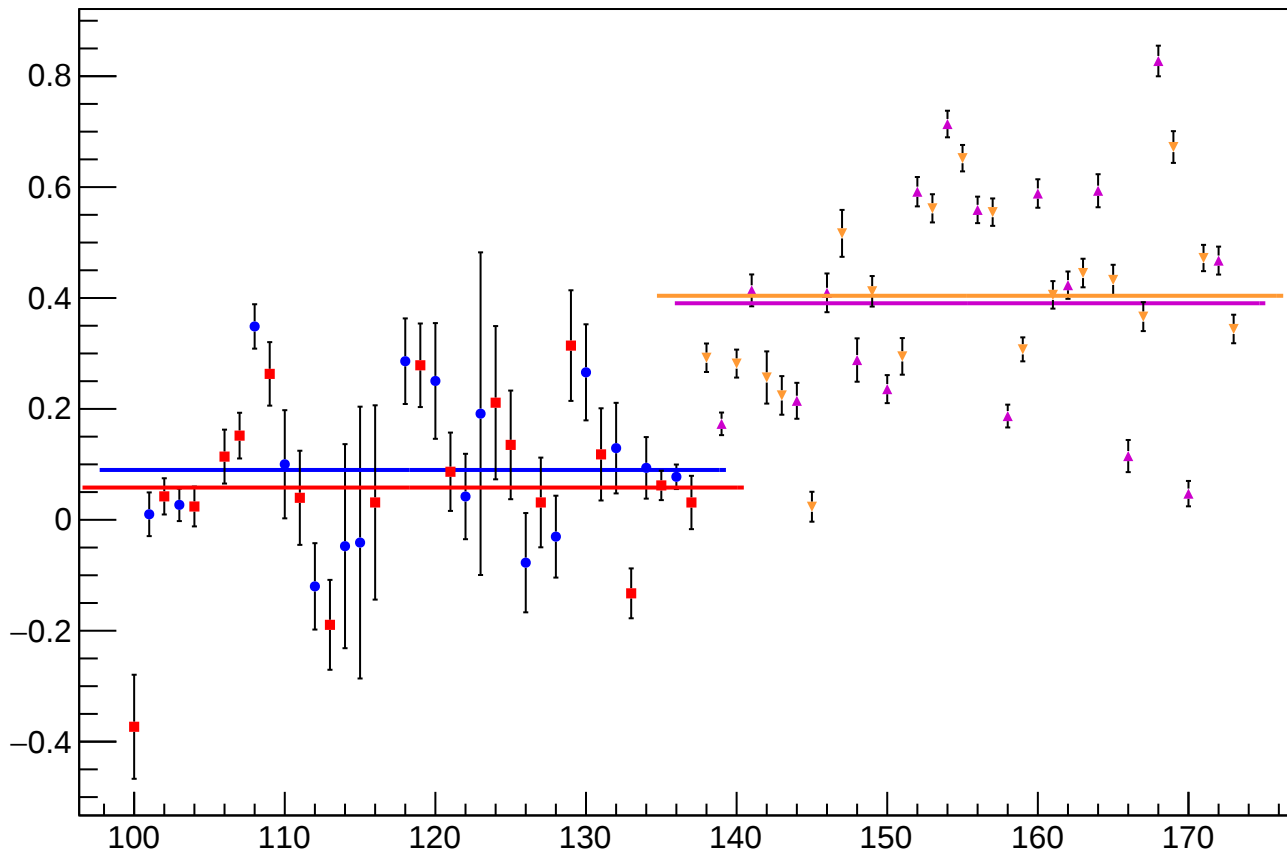
Left In: -37.469 ± 0.143 $\chi^2/\text{NDF}: 969.4/16$

+ sign -36.904 ± 0.120 $\chi^2/\text{NDF}: 5843.5/35$

All: -36.565 ± 0.086 $\chi^2/\text{NDF}: 13180.8/71$

- sign -36.210 ± 0.123 $\chi^2/\text{NDF}: 7321.1/35$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.404 ± 0.006 $\chi^2/\text{NDF}: 607.1/18$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

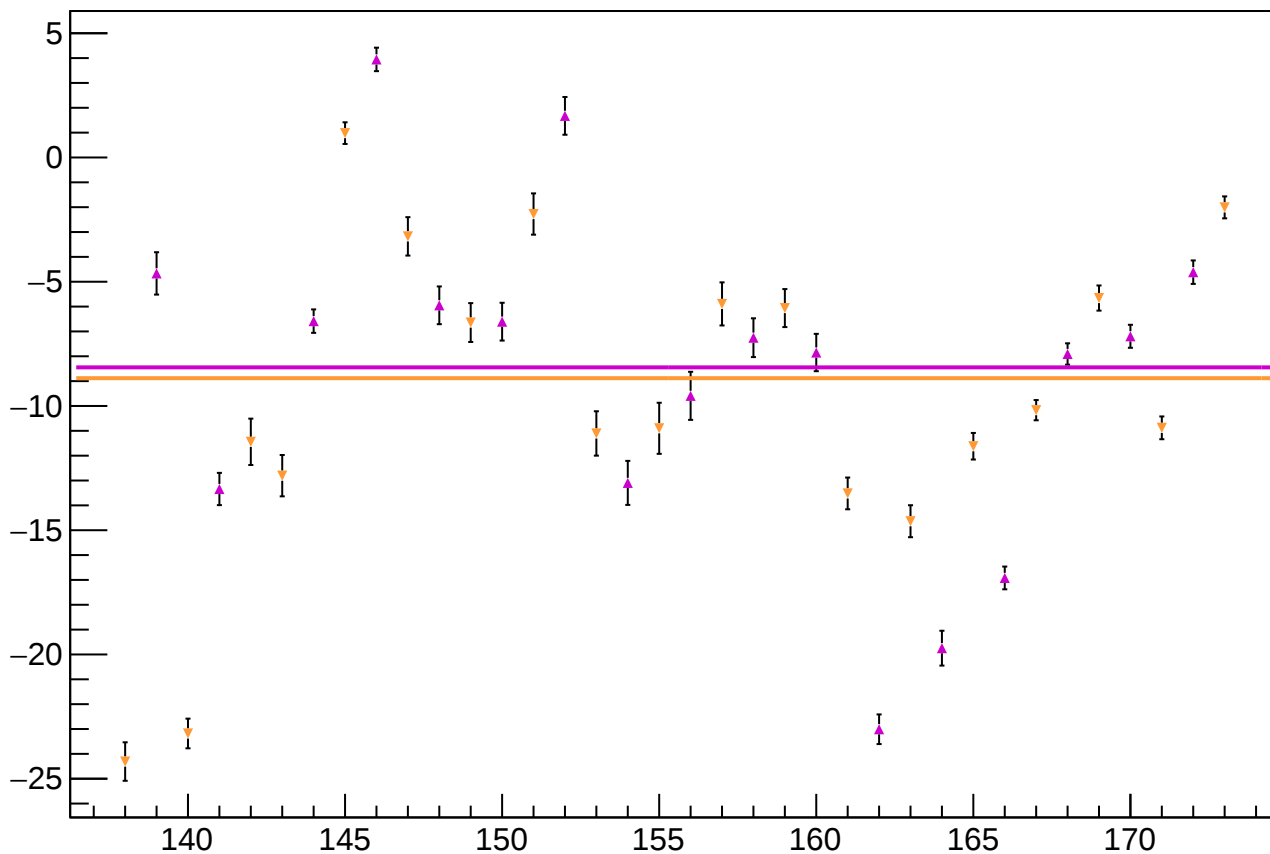
Left In: 0.391 ± 0.006 $\chi^2/\text{NDF}: 1257.6/16$

+ sign 0.344 ± 0.006 $\chi^2/\text{NDF}: 1177.3/35$

All: 0.332 ± 0.004 $\chi^2/\text{NDF}: 3119.0/71$

- sign 0.320 ± 0.006 $\chi^2/\text{NDF}: 1932.5/35$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



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

Left Out: -8.882+/-0.141 χ^2/NDF : 2144.2/18

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

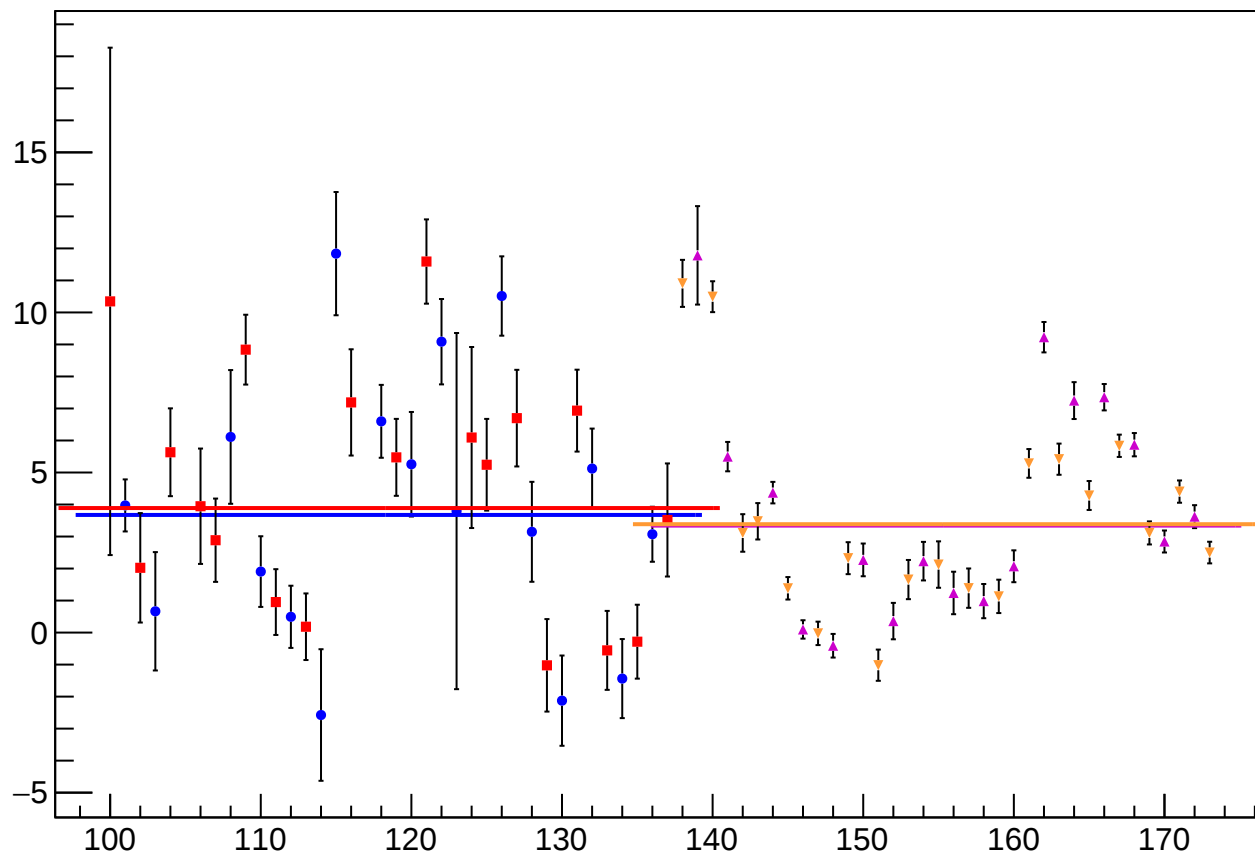
Left In: -8.447+/-0.145 χ^2/NDF : 2278.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -8.670+/-0.101 χ^2/NDF : 4427.6/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 3.385 ± 0.103 χ^2/NDF : 672.5/18

Right Out: 3.890 ± 0.316 χ^2/NDF : 133.7/18

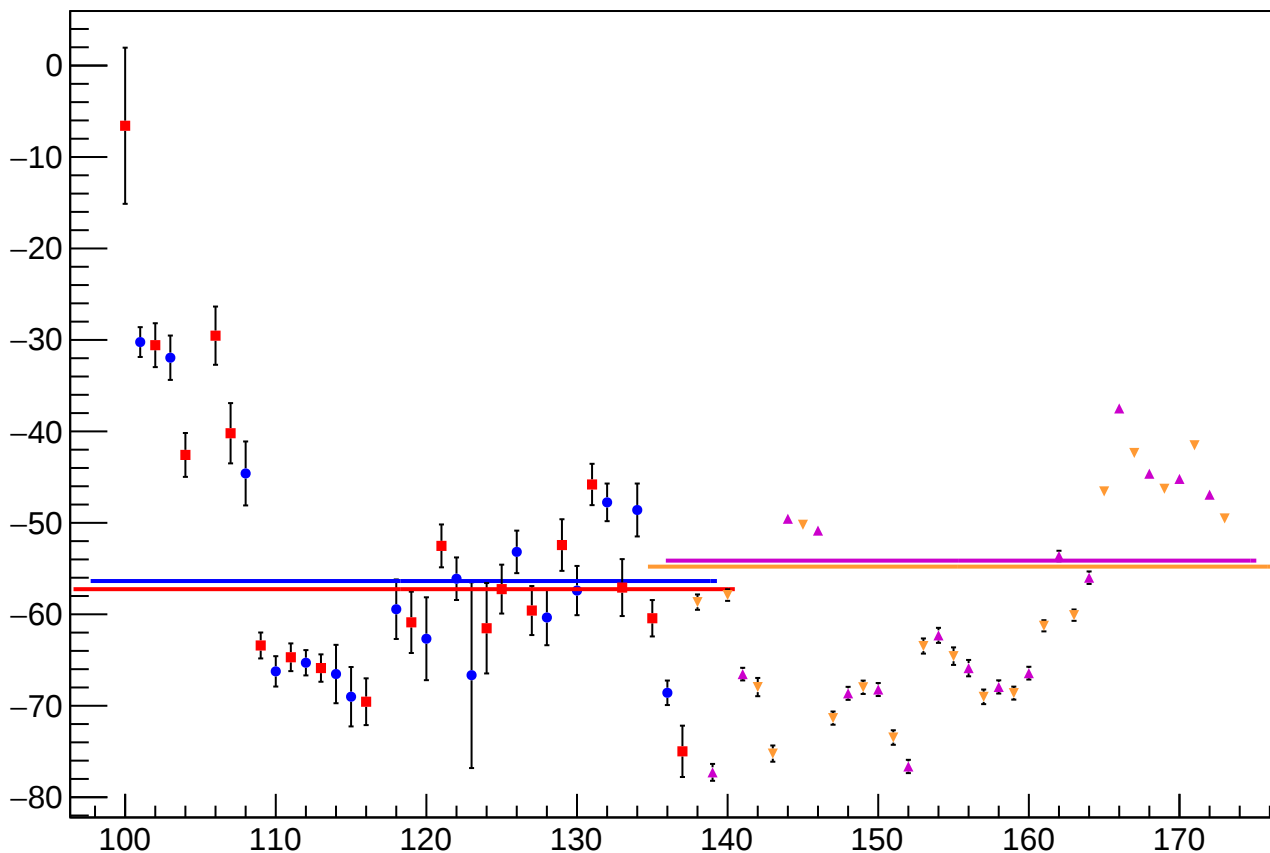
Left In: 3.342 ± 0.105 χ^2/NDF : 709.4/16

+ sign 3.414 ± 0.098 χ^2/NDF : 808.4/35

All: 3.406 ± 0.070 χ^2/NDF : 1654.3/71

- sign 3.397 ± 0.100 χ^2/NDF : 845.8/35

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -54.787 ± 0.141 χ^2/NDF : 5721.0/18

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

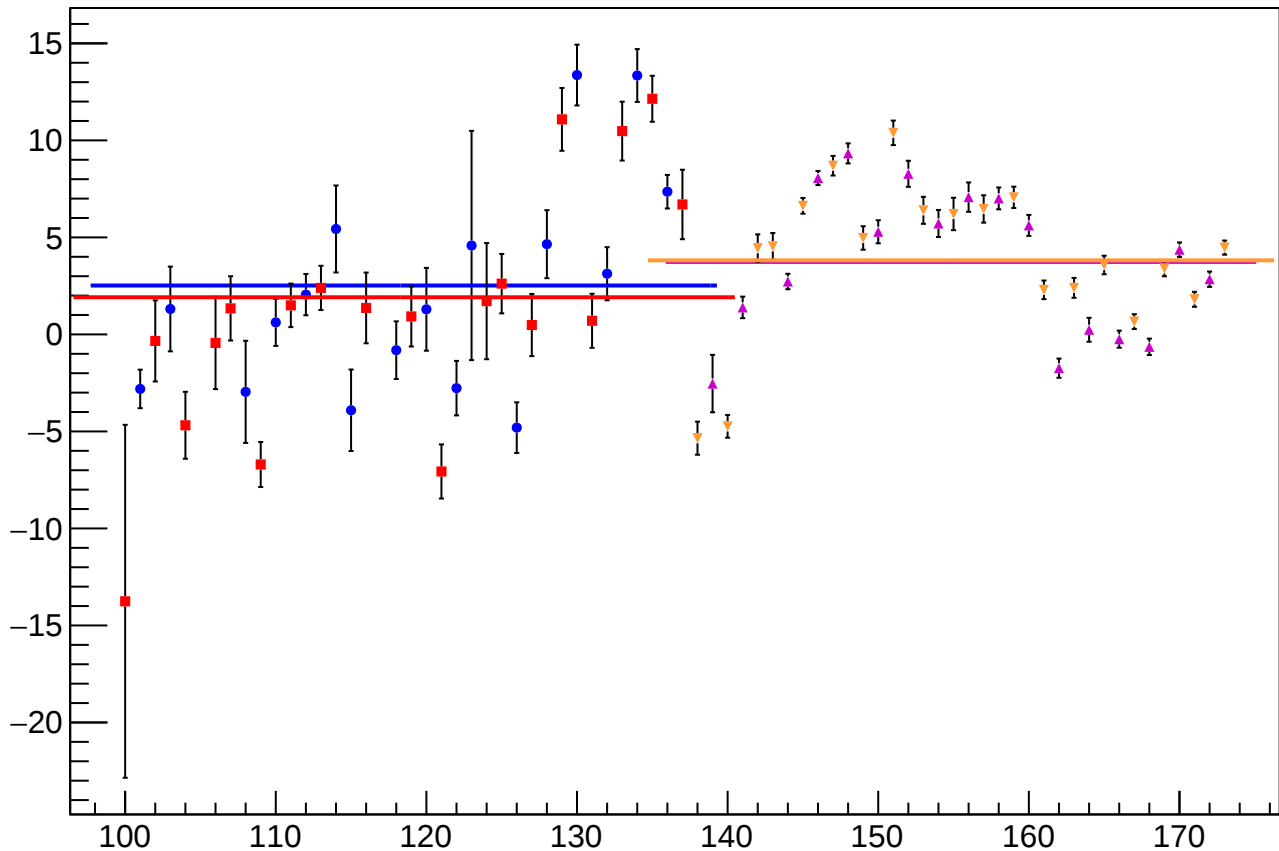
Left In: -54.131 ± 0.143 χ^2/NDF : 6157.8/16

+ sign -54.886 ± 0.137 χ^2/NDF : 6316.1/35

All: -54.617 ± 0.097 χ^2/NDF : 12989.4/71

- sign -54.339 ± 0.139 χ^2/NDF : 6665.4/35

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 3.818 ± 0.118 χ^2/NDF : 773.9/18

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

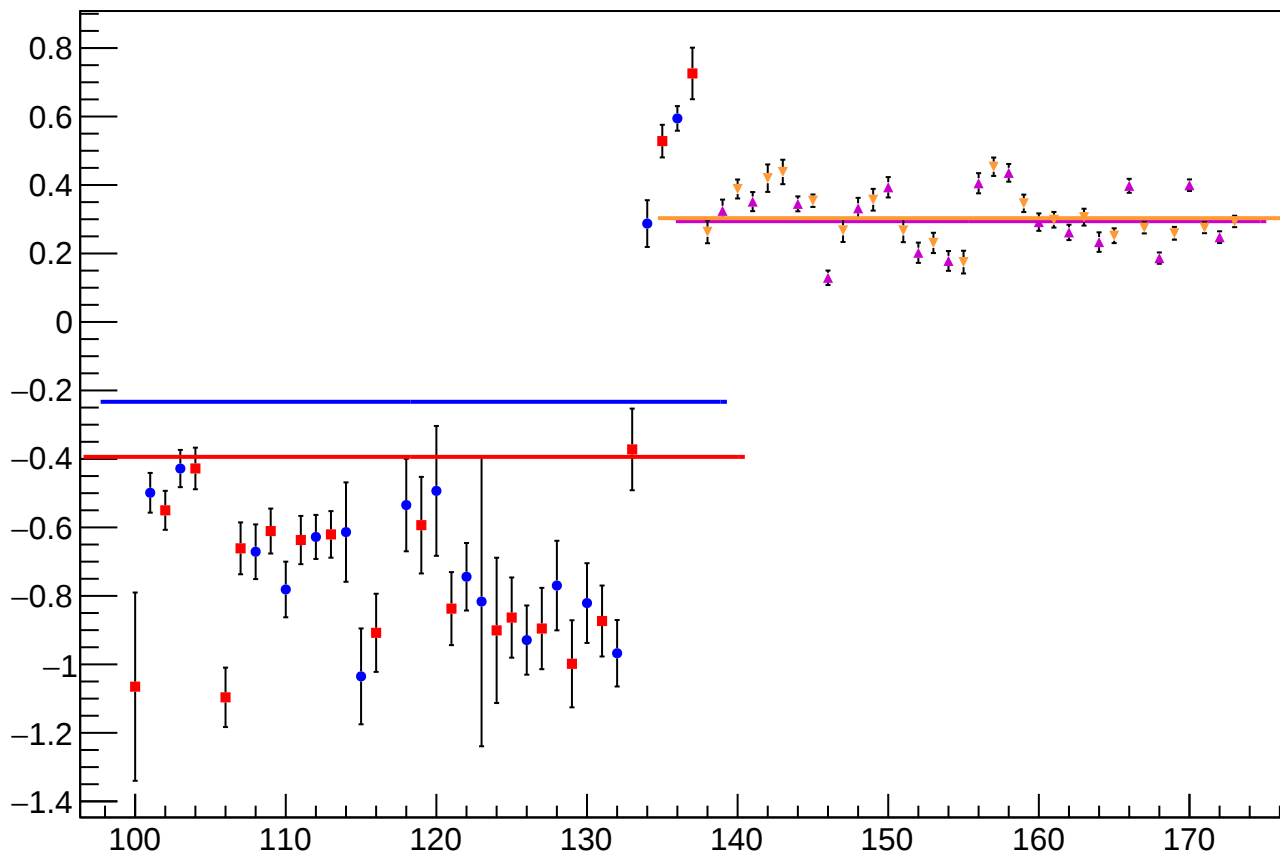
Left In: 3.737 ± 0.122 χ^2/NDF : 777.0/16

+ sign 3.684 ± 0.111 χ^2/NDF : 1028.8/35

All: 3.617 ± 0.080 χ^2/NDF : 2094.7/71

- sign 3.546 ± 0.115 χ^2/NDF : 1065.2/35

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.303 ± 0.005 χ^2/NDF : 118.7/18

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

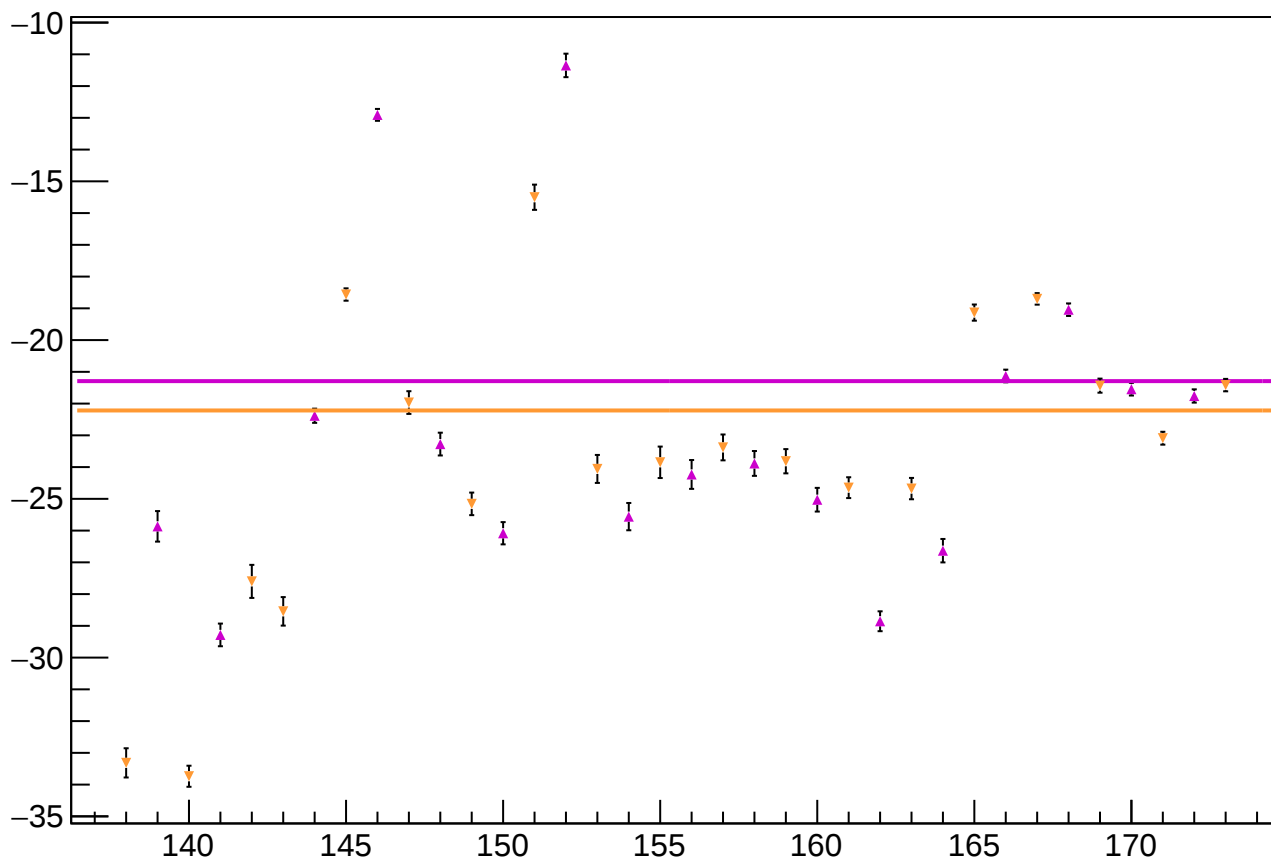
Left In: 0.294 ± 0.006 χ^2/NDF : 274.5/16

+ sign 0.262 ± 0.005 χ^2/NDF : 1818.6/35

All: 0.251 ± 0.004 χ^2/NDF : 4155.6/71

- sign 0.239 ± 0.005 χ^2/NDF : 2327.1/35

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -22.217+/-0.066 χ^2/NDF : 3527.7/18

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

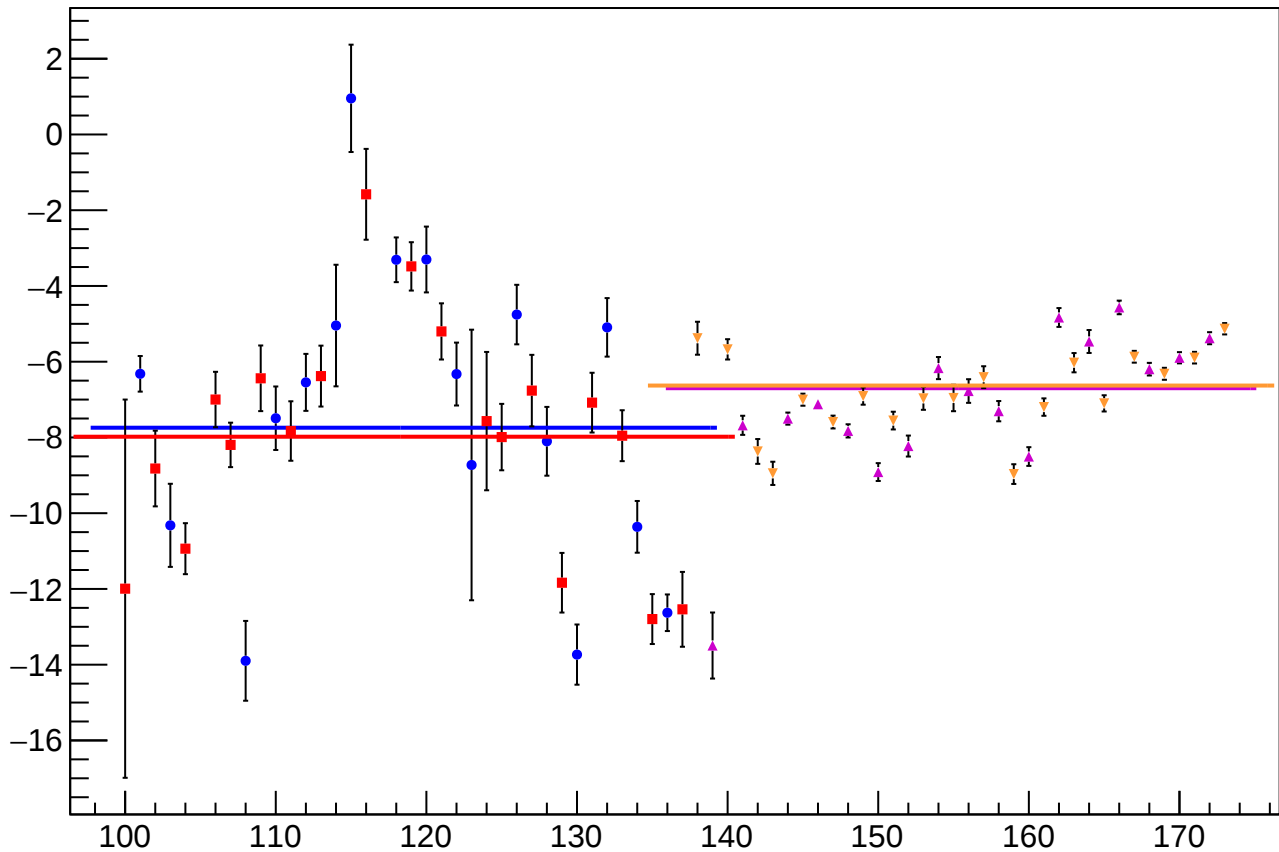
Left In: -21.292+/-0.067 χ^2/NDF : 4772.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.758+/-0.047 χ^2/NDF : 8396.6/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -6.630 ± 0.049 χ^2/NDF : 412.0/18

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

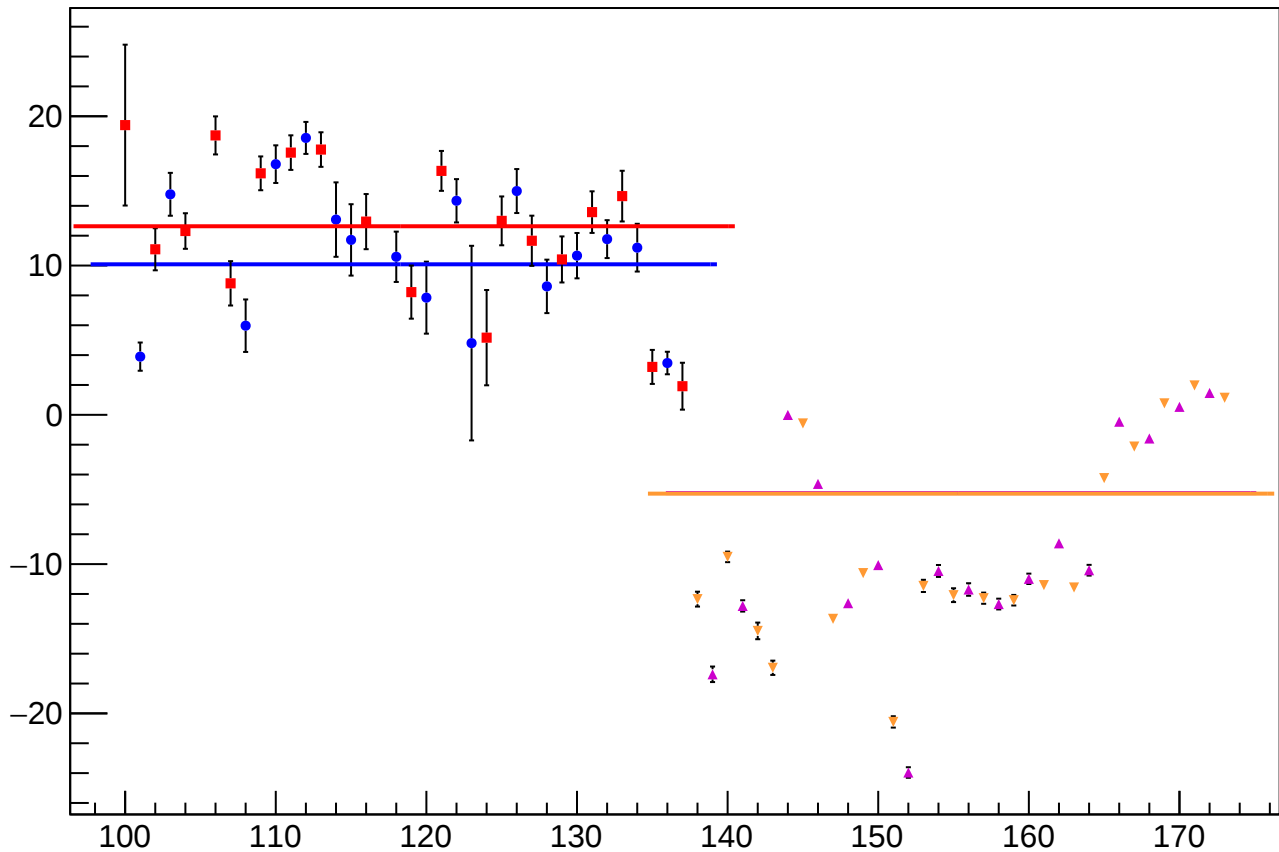
Left In: -6.700 ± 0.049 χ^2/NDF : 657.1/16

+ sign -6.700 ± 0.047 χ^2/NDF : 822.7/35

All: -6.741 ± 0.033 χ^2/NDF : 1749.3/71

- sign -6.782 ± 0.047 χ^2/NDF : 925.1/35

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -5.280 ± 0.066 χ^2/NDF : 9490.2/18

Right Out: 12.632 ± 0.333 χ^2/NDF : 218.6/18

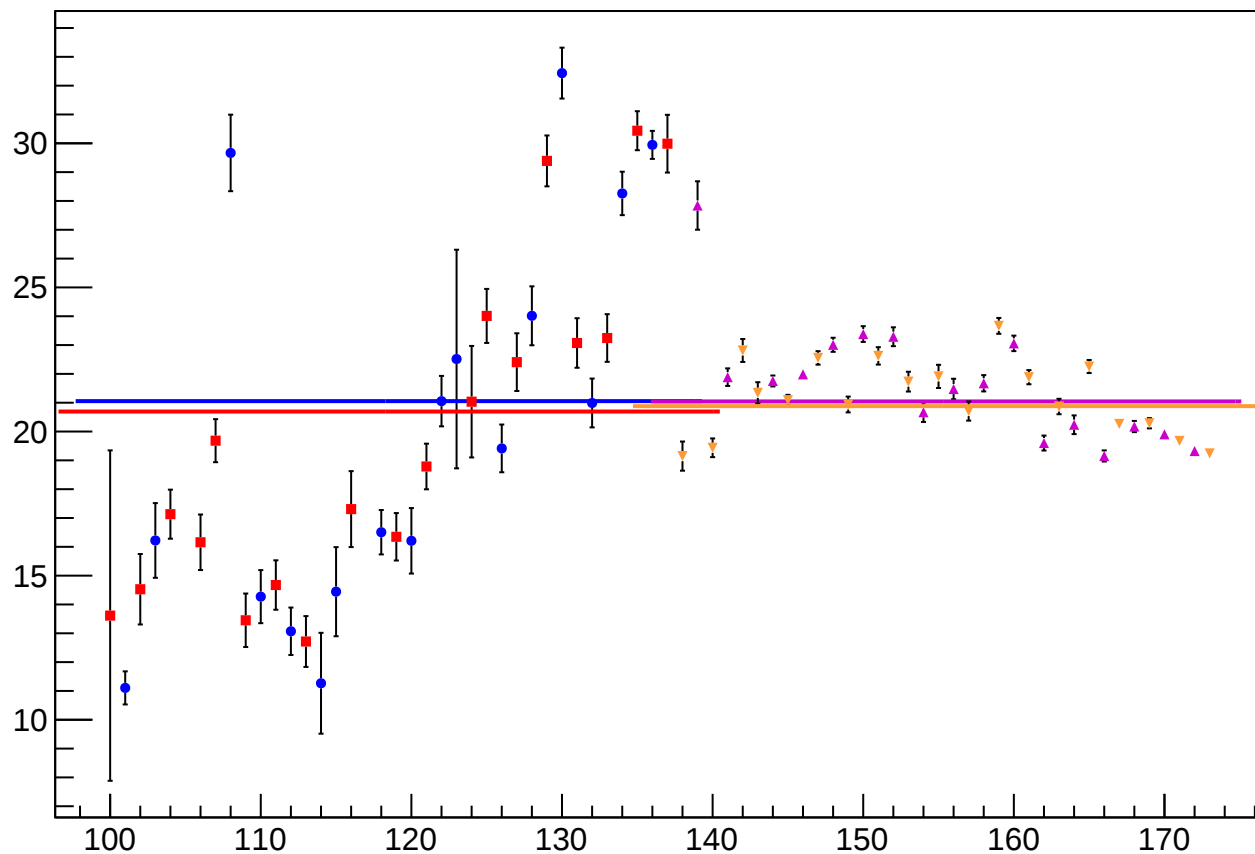
Left In: -5.243 ± 0.066 χ^2/NDF : 9062.3/16

+ sign -4.707 ± 0.065 χ^2/NDF : 11732.6/35

All: -4.633 ± 0.046 χ^2/NDF : 23793.0/71

- sign -4.560 ± 0.065 χ^2/NDF : 12057.8/35

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 20.881 $\pm$ 0.055 χ^2 /NDF: 488.9/18

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

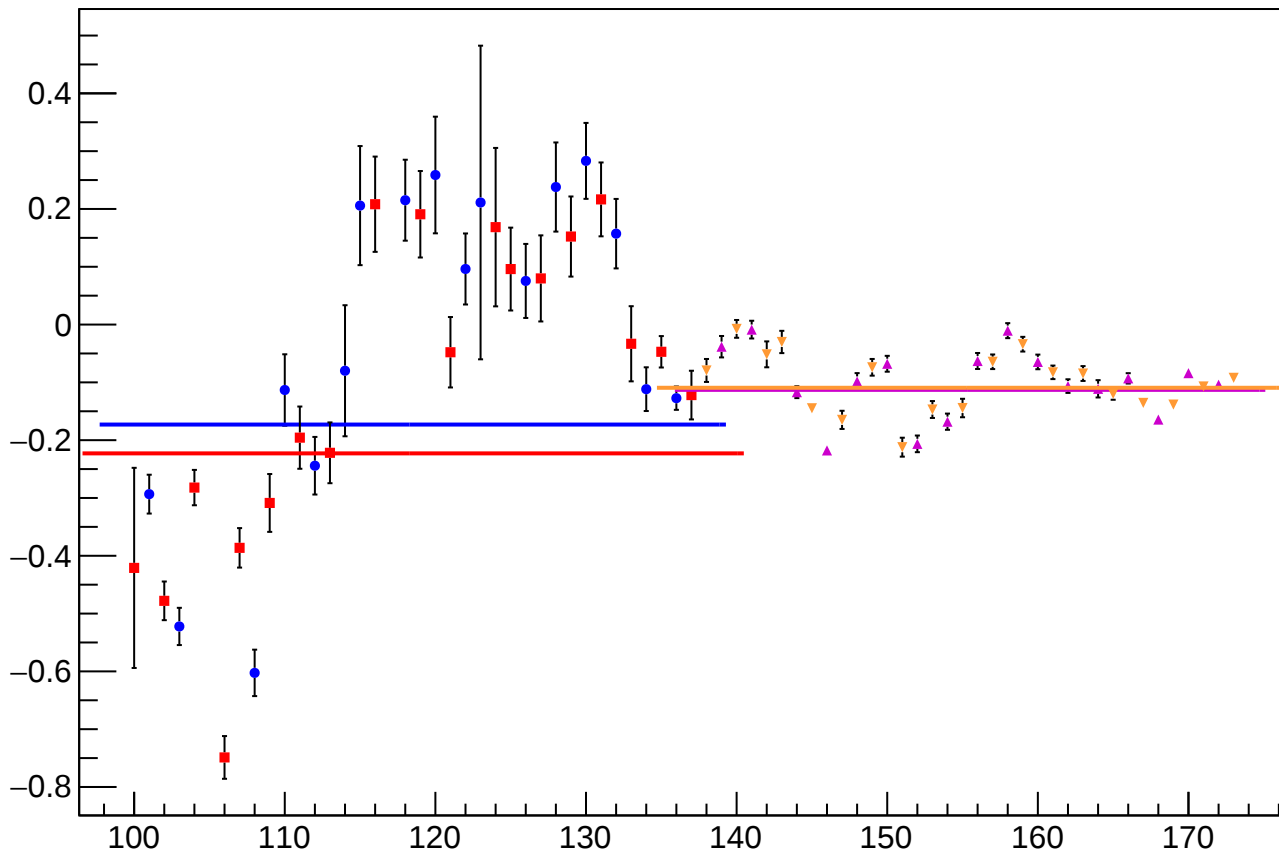
Left In: 21.045 $\pm$ 0.056 χ^2 /NDF: 676.6/16

+ sign 20.892 $\pm$ 0.054 χ^2 /NDF: 1701.3/35

All: 20.956 $\pm$ 0.038 χ^2 /NDF: 3107.4/71

- sign 21.022 $\pm$ 0.054 χ^2 /NDF: 1403.2/35

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 $\chi^2/\text{NDF}: 461.8/16$

Left Out: -0.109 ± 0.003 $\chi^2/\text{NDF}: 246.1/18$

Right Out: -0.223 ± 0.011 $\chi^2/\text{NDF}: 535.1/18$

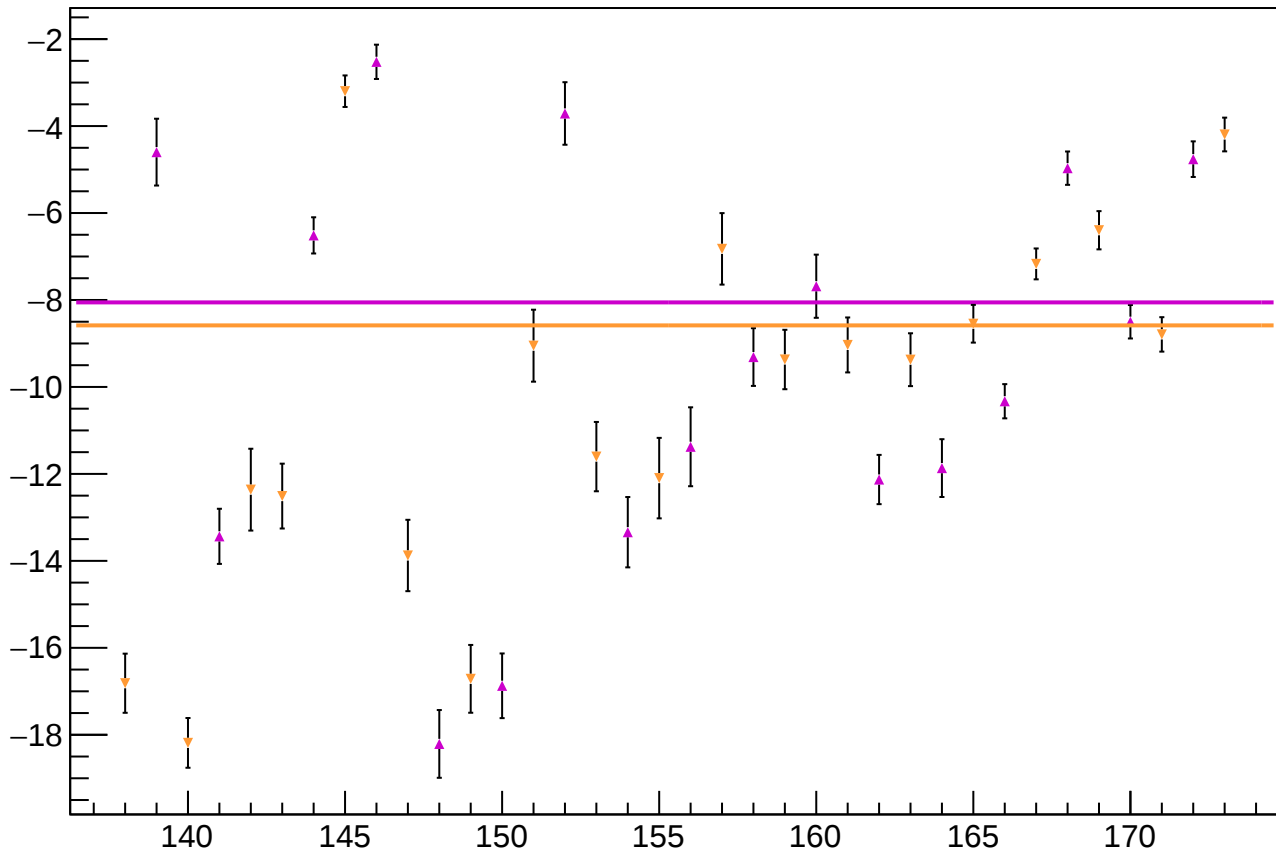
Left In: -0.113 ± 0.003 $\chi^2/\text{NDF}: 444.2/16$

+ sign -0.112 ± 0.002 $\chi^2/\text{NDF}: 738.6/35$

All: -0.116 ± 0.002 $\chi^2/\text{NDF}: 1816.3/71$

- sign -0.119 ± 0.003 $\chi^2/\text{NDF}: 1074.5/35$

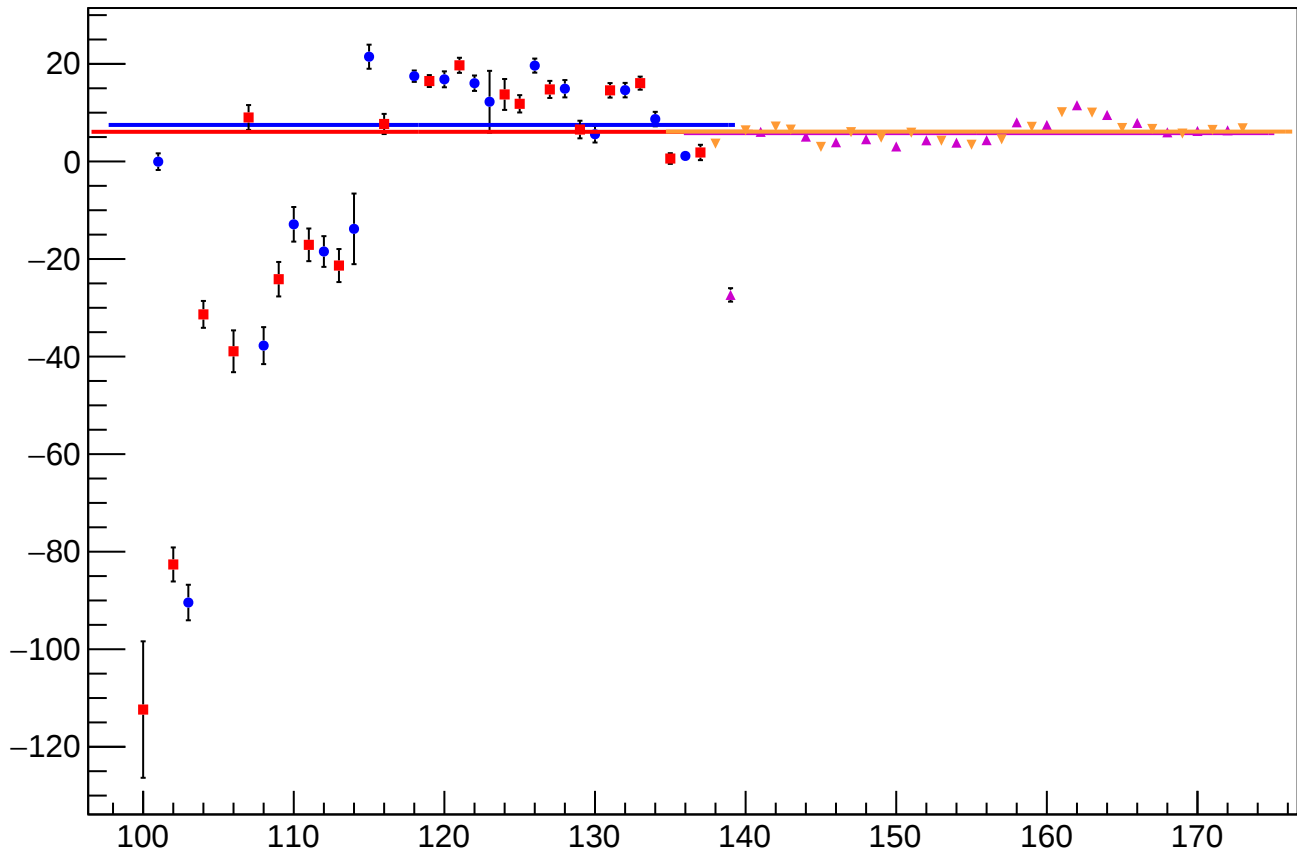
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.584 $\pm$ 0.126 χ^2 /NDF:1049.0/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.056 $\pm$ 0.129 χ^2 /NDF:958.2/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -8.327 $\pm$ 0.090 χ^2 /NDF: 2015.9/35
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 6.121 ± 0.093 χ^2/NDF : 350.9/18

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

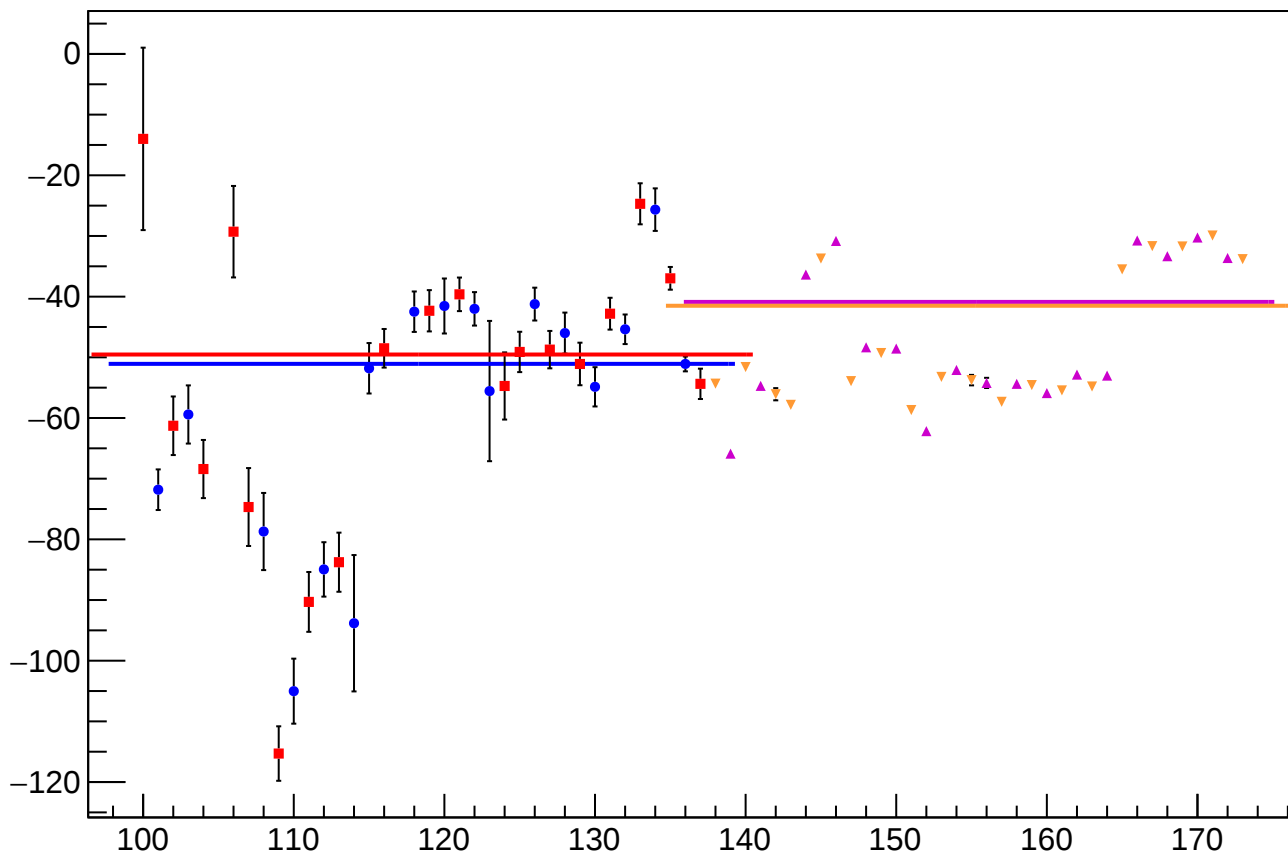
Left In: 5.806 ± 0.095 χ^2/NDF : 987.3/16

+ sign 6.189 ± 0.091 χ^2/NDF : 1702.2/35

All: 6.008 ± 0.065 χ^2/NDF : 4210.1/71

- sign 5.818 ± 0.093 χ^2/NDF : 2499.8/35

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -41.502 ± 0.126 χ^2/NDF : 7449.8/18

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

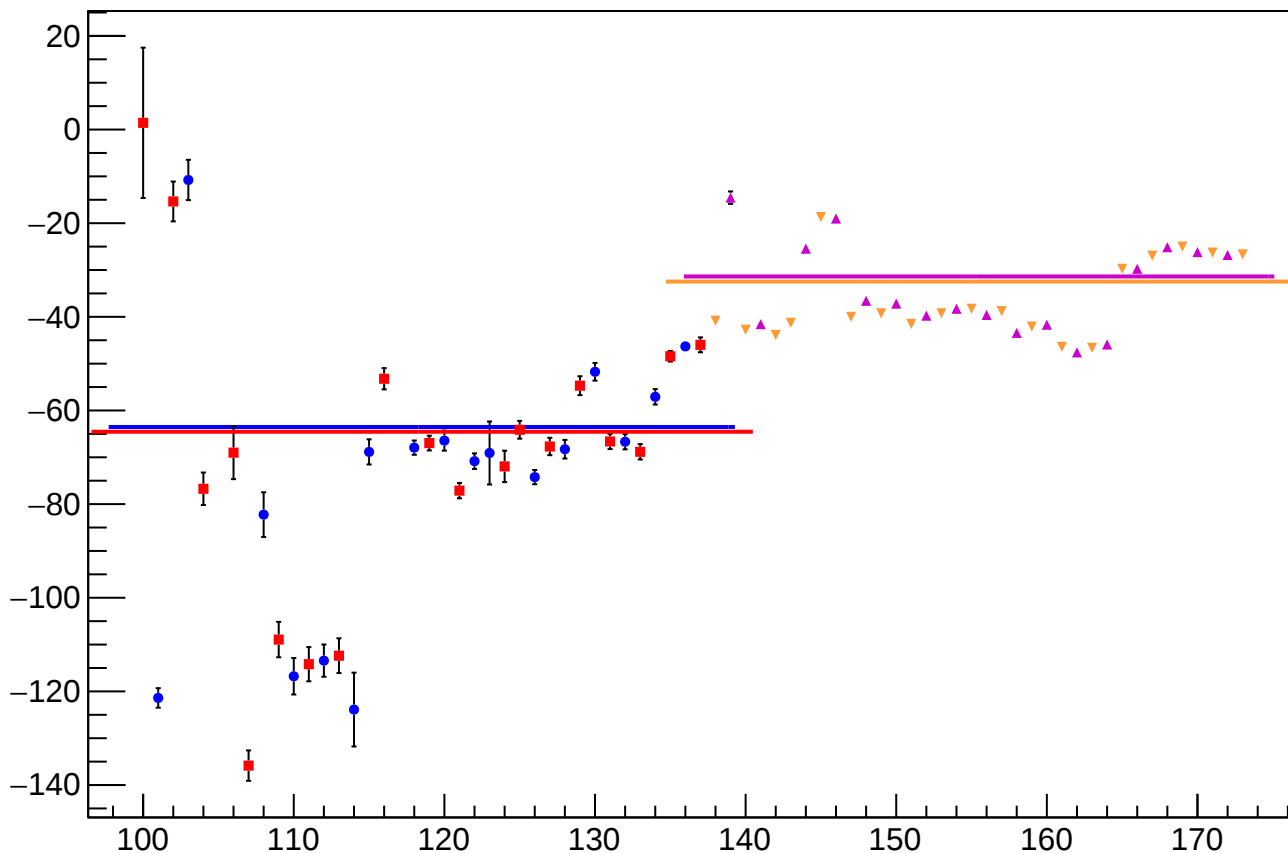
Left In: -40.867 ± 0.128 χ^2/NDF : 7675.7/16

+ sign -41.773 ± 0.125 χ^2/NDF : 7942.3/35

All: -41.435 ± 0.089 χ^2/NDF : 16257.5/71

- sign -41.085 ± 0.127 χ^2/NDF : 8300.2/35

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -32.472 ± 0.106 χ^2/NDF : 6972.4/18

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

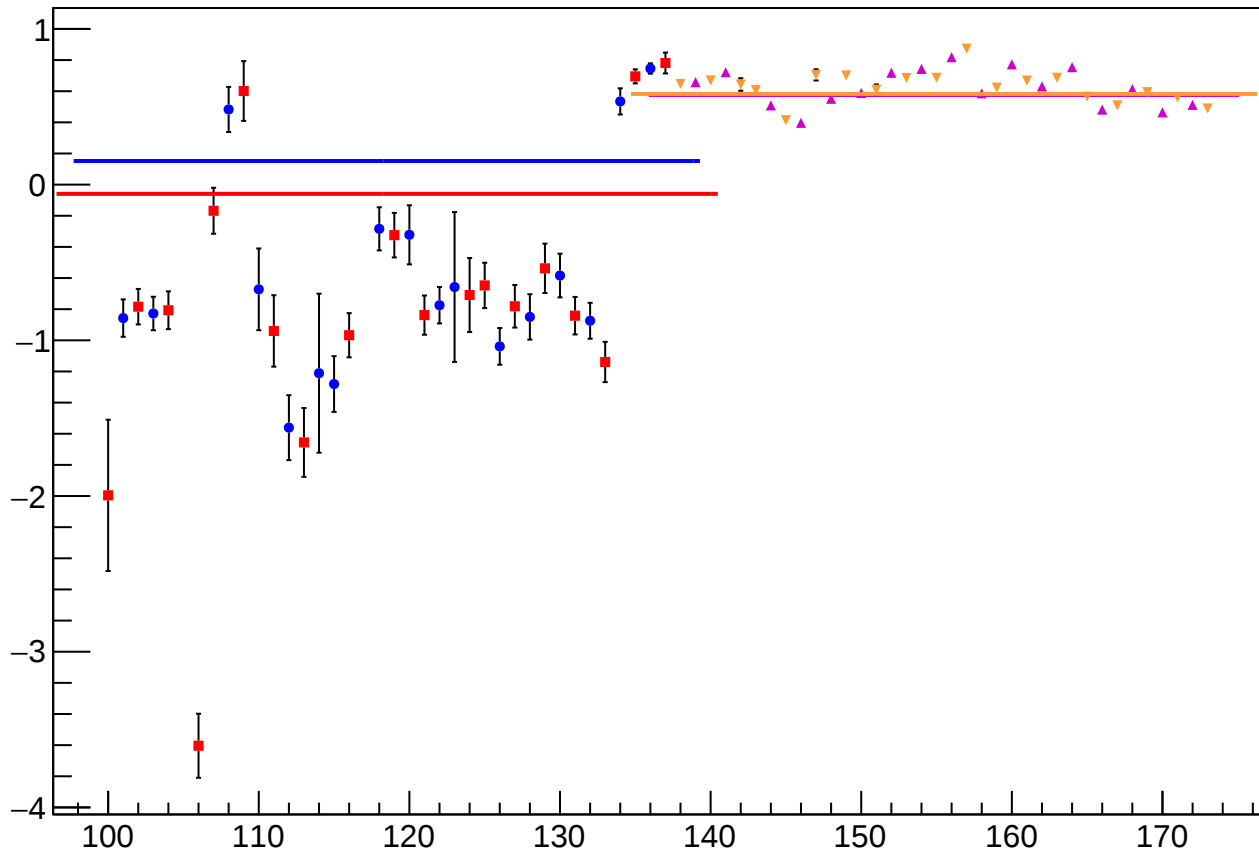
Left In: -31.378 ± 0.109 χ^2/NDF : 6540.6/16

+ sign -34.107 ± 0.103 χ^2/NDF : 13521.3/35

All: -33.569 ± 0.074 χ^2/NDF : 26206.9/71

- sign -32.992 ± 0.107 χ^2/NDF : 12628.9/35

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.583 ± 0.005 $\chi^2/\text{NDF}: 432.1/18$

Right Out: -0.059 ± 0.026 $\chi^2/\text{NDF}: 1161.9/18$

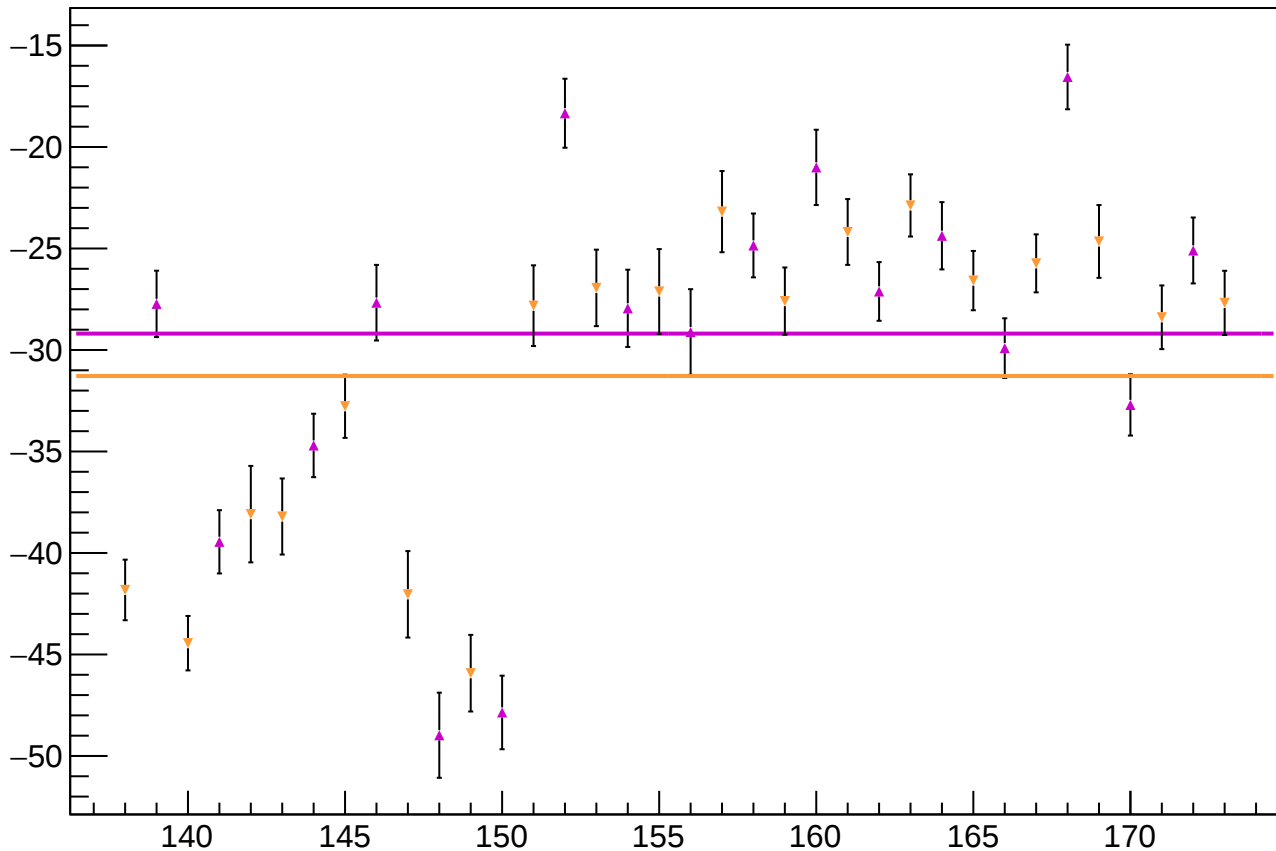
Left In: 0.576 ± 0.005 $\chi^2/\text{NDF}: 523.1/16$

+ sign 0.566 ± 0.005 $\chi^2/\text{NDF}: 1728.2/35$

All: 0.560 ± 0.003 $\chi^2/\text{NDF}: 3978.9/71$

- sign 0.553 ± 0.005 $\chi^2/\text{NDF}: 2247.4/35$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.283 $\pm$ 0.388 χ^2 /NDF: 385.2/18

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

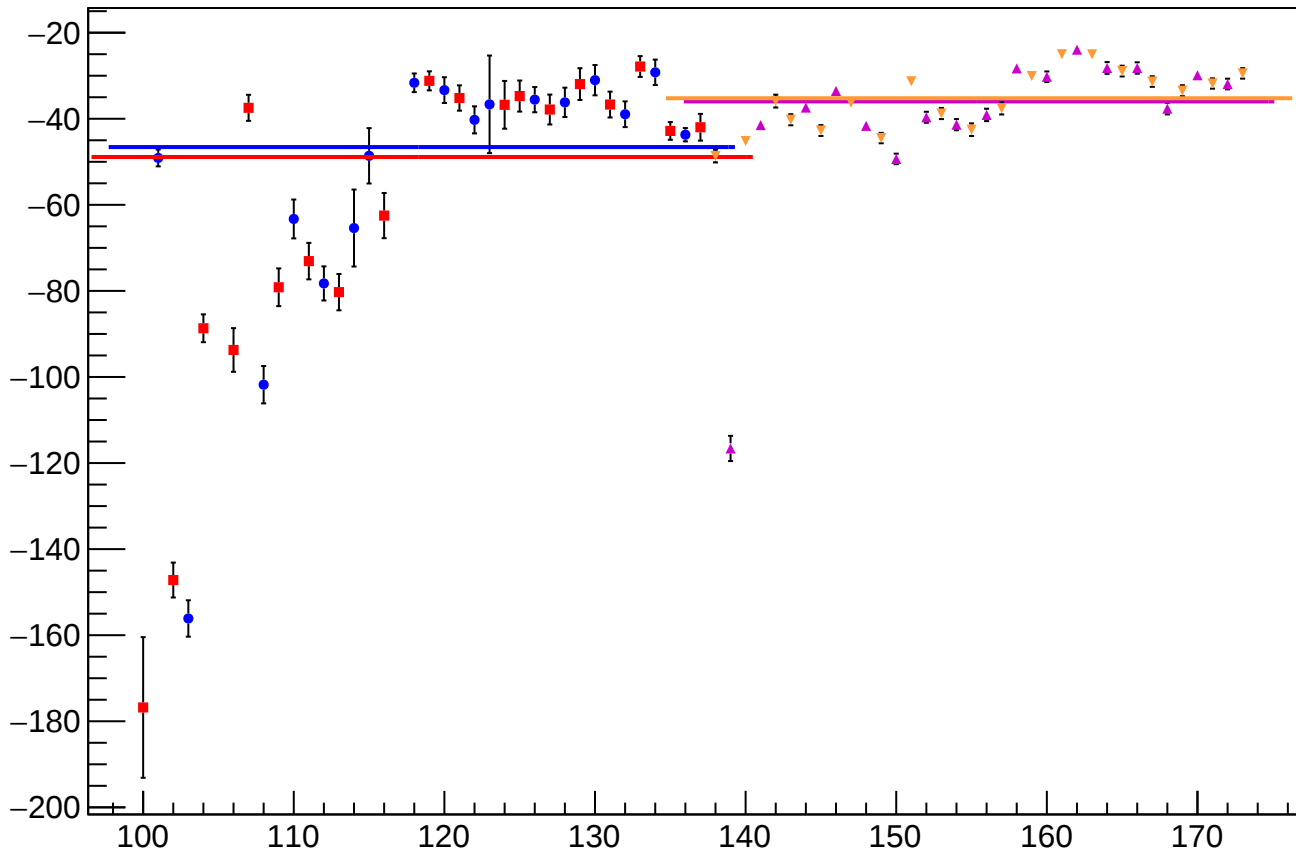
Left In: -29.193 $\pm$ 0.406 χ^2 /NDF: 406.3/16

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

All: -30.285 $\pm$ 0.280 χ^2 /NDF: 805.4/35

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

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -35.232 ± 0.283 χ^2/NDF : 566.3/18

Right Out: -48.888 ± 0.763 χ^2/NDF : 1277.5/18

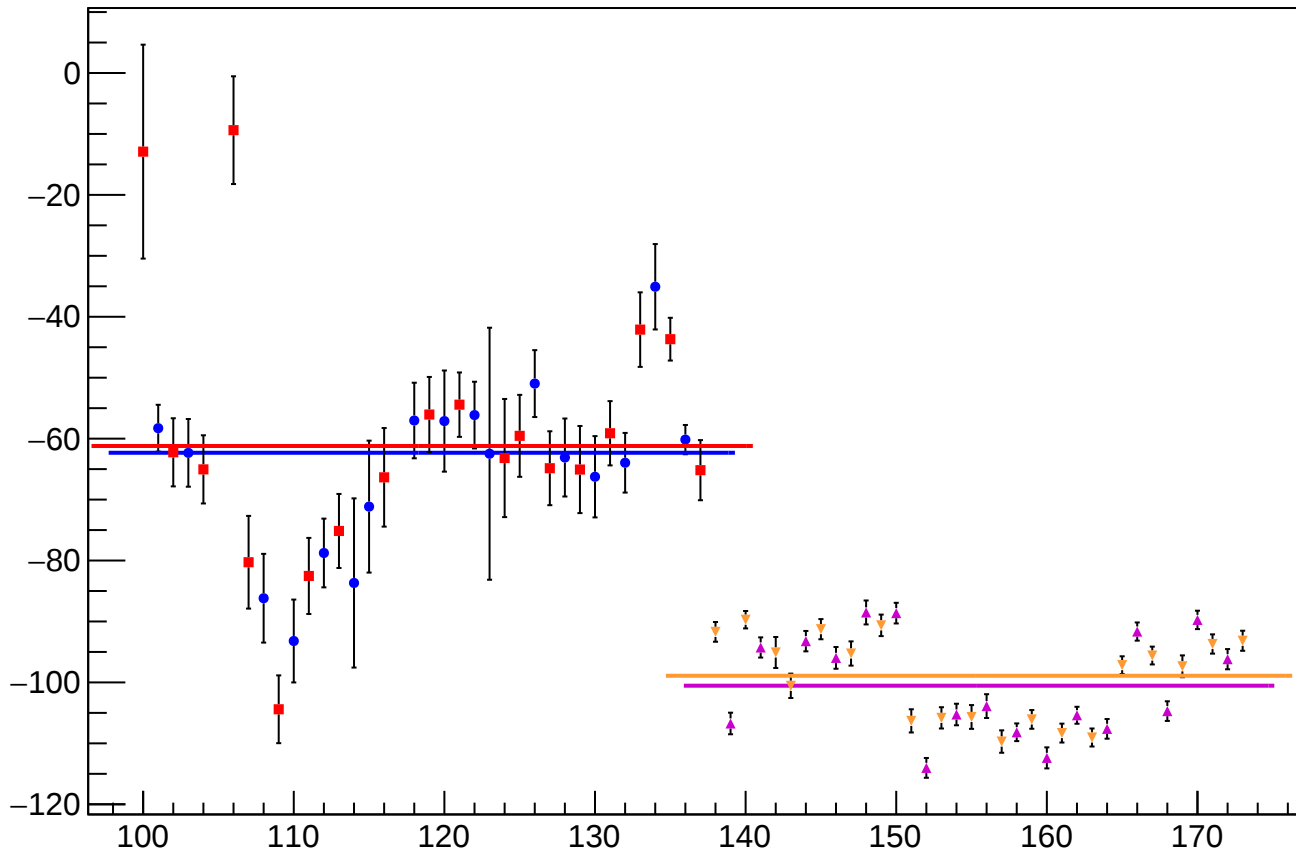
Left In: -35.973 ± 0.299 χ^2/NDF : 1255.8/16

+ sign -36.717 ± 0.264 χ^2/NDF : 1852.9/35

All: -37.179 ± 0.192 χ^2/NDF : 4640.7/71

- sign -37.694 ± 0.279 χ^2/NDF : 2781.3/35

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 $\pm$ 1.316 χ^2 /NDF: 67.1/16

Left Out: -98.907 $\pm$ 0.386 χ^2 /NDF:324.2/18

Right Out: -61.203 $\pm$ 1.381 χ^2 /NDF: 165.0/18

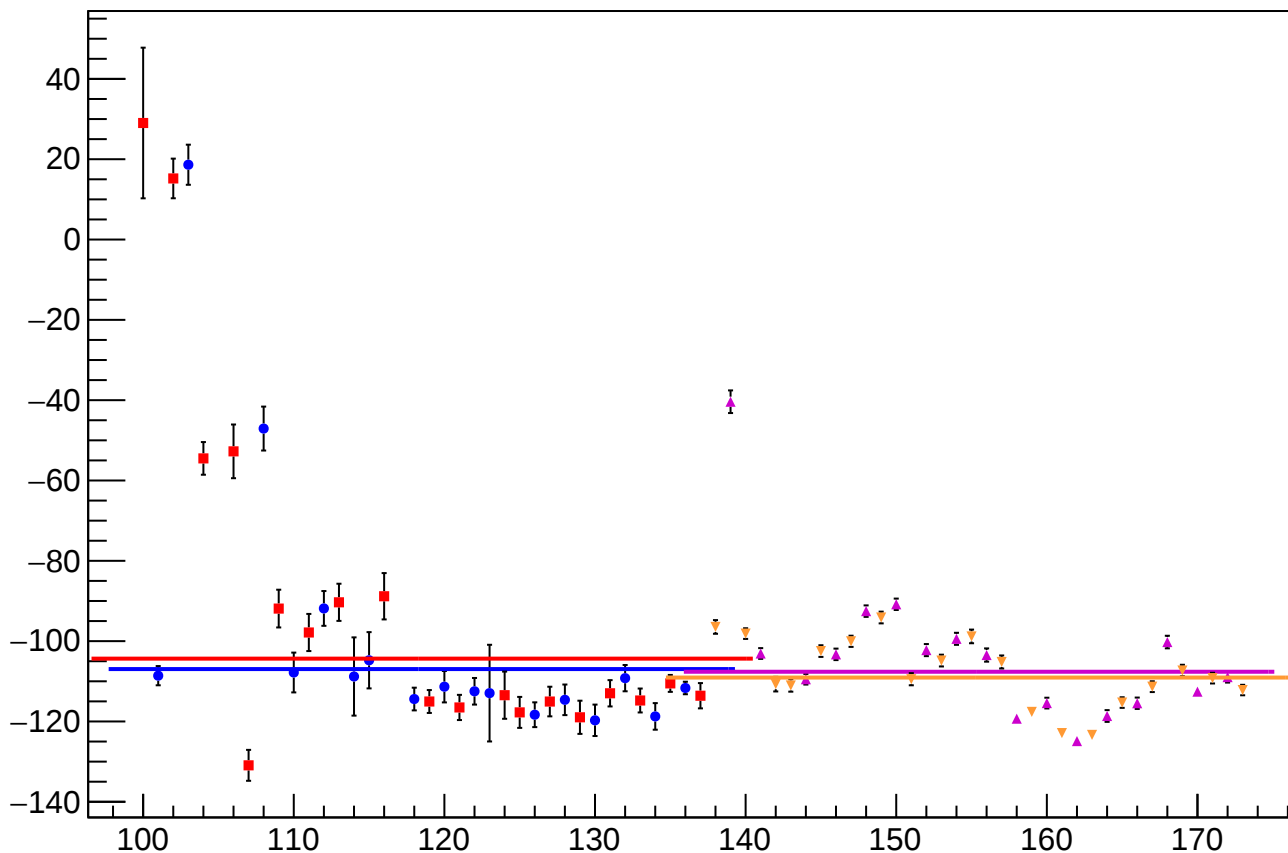
Left In: -100.539 $\pm$ 0.399 χ^2 /NDF:424.1/16

+ sign -96.002 $\pm$ 0.371 χ^2 /NDF: 1103.5/35

All: -96.726 $\pm$ 0.267 χ^2 /NDF: 2449.2/71

- sign -97.502 $\pm$ 0.384 χ^2 /NDF: 1337.8/35

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -109.068 ± 0.324 χ^2/NDF : 692.1/18

Right Out: -104.356 ± 0.861 χ^2/NDF : 1021.0/18

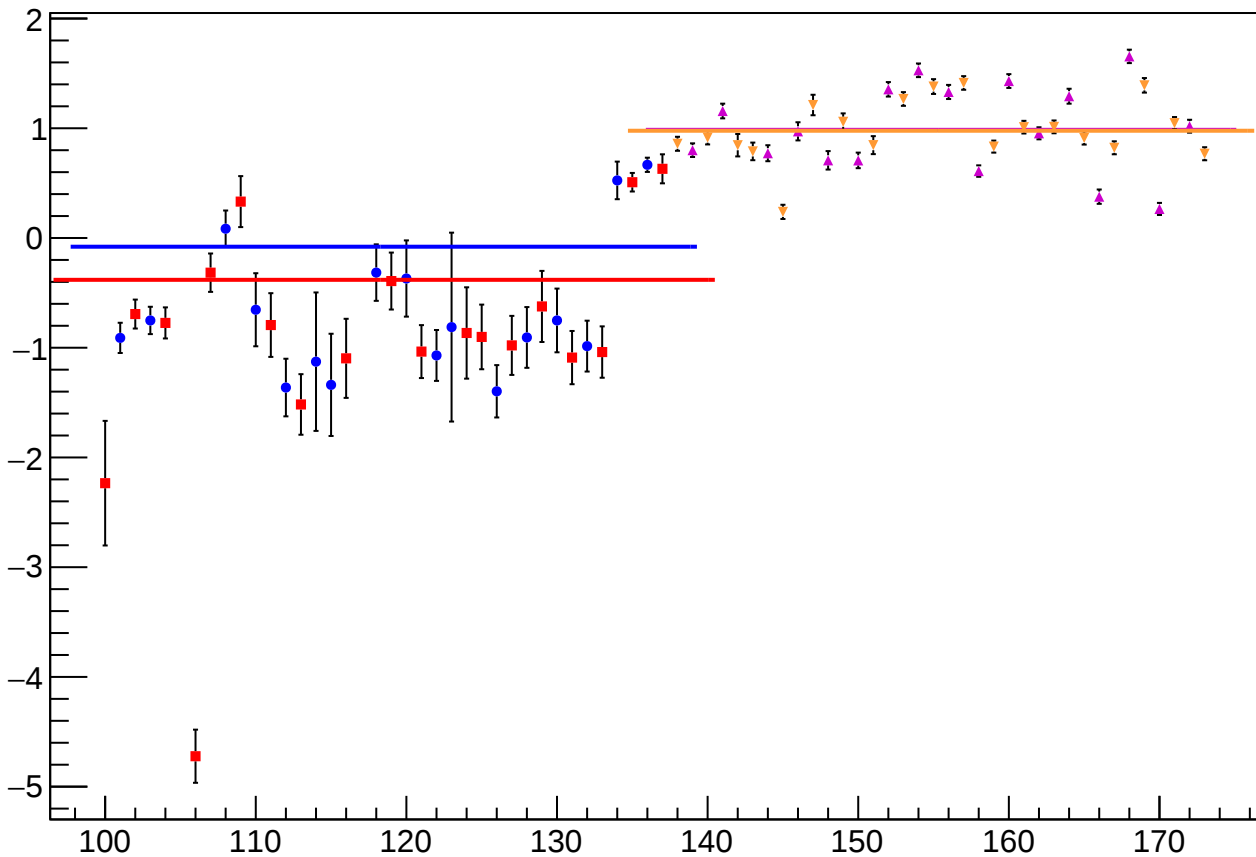
Left In: -107.621 ± 0.341 χ^2/NDF : 1363.2/16

+ sign -108.780 ± 0.301 χ^2/NDF : 1525.1/35

All: -108.021 ± 0.218 χ^2/NDF : 3935.2/71

- sign -107.178 ± 0.317 χ^2/NDF : 2396.6/35

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.977 ± 0.015 χ^2/NDF : 326.3/18

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

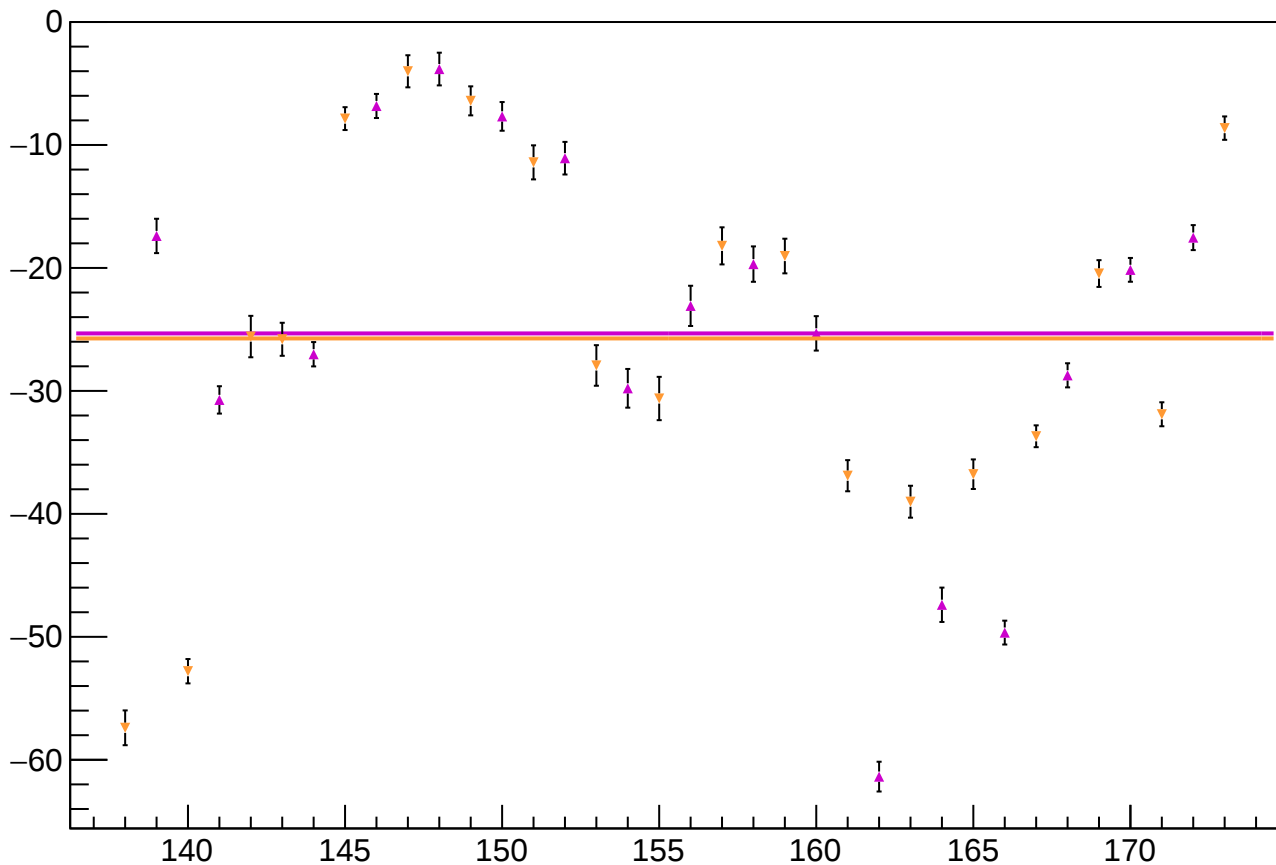
Left In: 0.986 ± 0.015 χ^2/NDF : 687.1/16

+ sign 0.860 ± 0.014 χ^2/NDF : 1210.5/35

All: 0.848 ± 0.010 χ^2/NDF : 3338.0/71

- sign 0.835 ± 0.015 χ^2/NDF : 2126.0/35

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -25.734 $\pm$ 0.275 χ^2 /NDF:3060.4/18

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

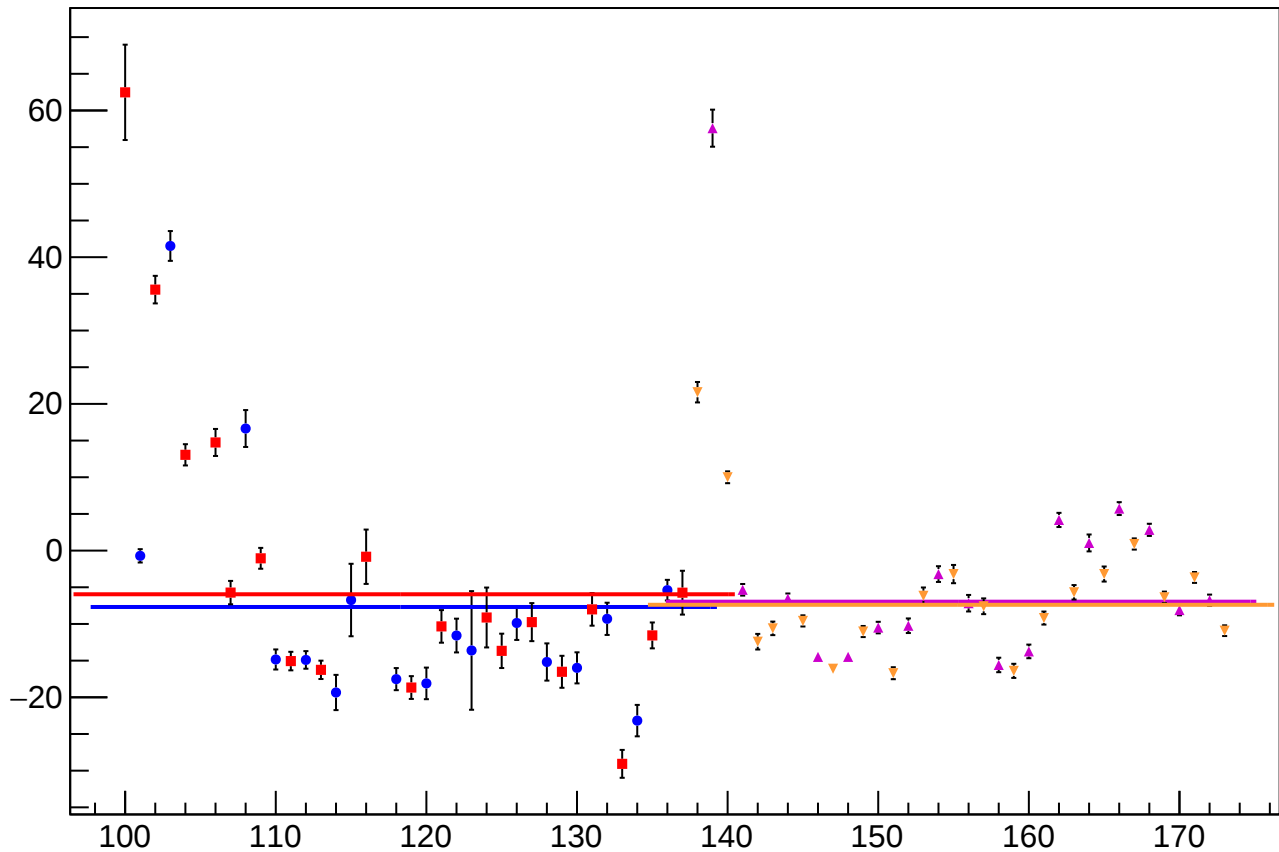
Left In: -25.325 $\pm$ 0.285 χ^2 /NDF:2909.7/16

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

All: -25.536 $\pm$ 0.198 χ^2 /NDF: 5971.1/35

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

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -7.388 ± 0.199 χ^2/NDF : 1578.4/18

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

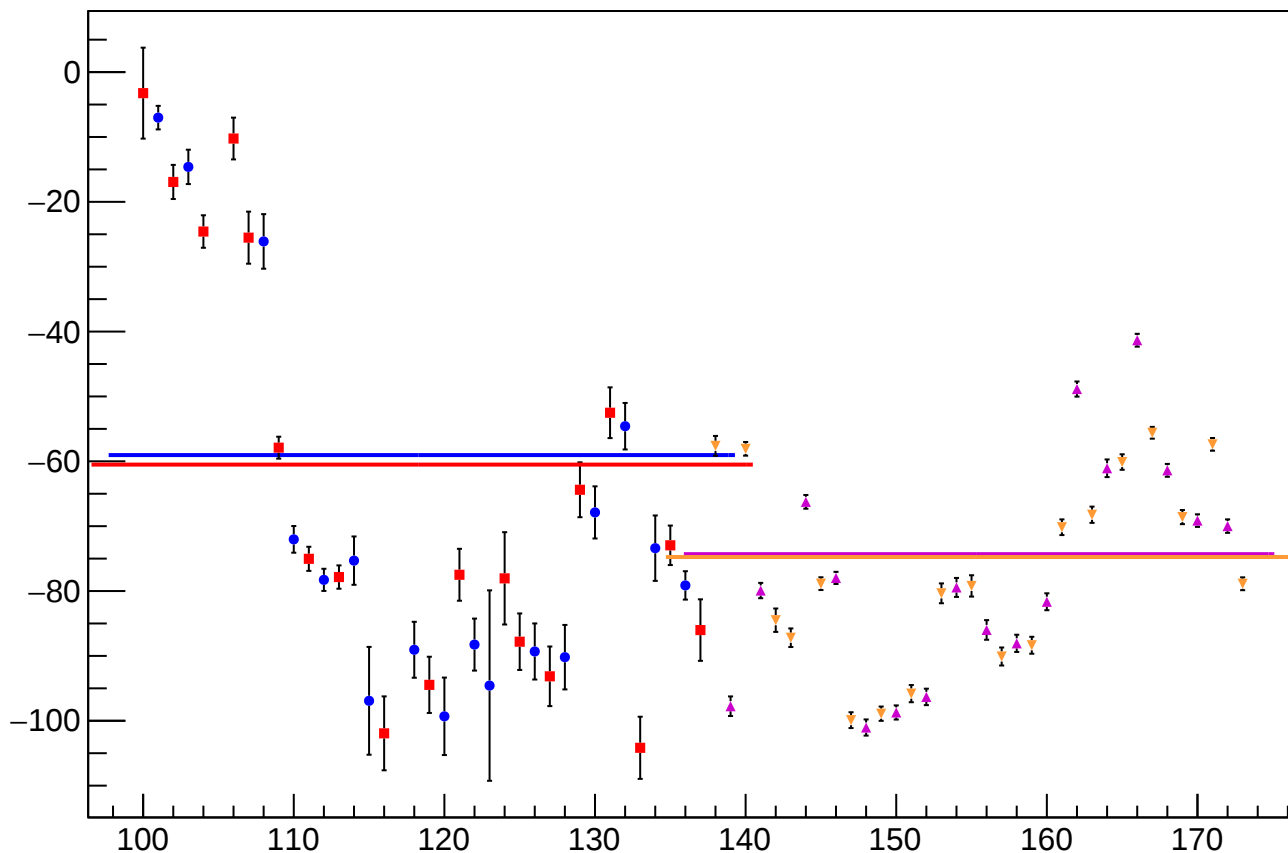
Left In: -6.964 ± 0.207 χ^2/NDF : 1645.8/16

+ sign -7.440 ± 0.180 χ^2/NDF : 2554.8/35

All: -7.117 ± 0.130 χ^2/NDF : 5509.7/71

- sign -6.773 ± 0.186 χ^2/NDF : 2948.3/35

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 +/- 0.746 χ^2/NDF : 1709.5/16

Left Out: -74.756 +/- 0.275 χ^2/NDF : 2904.0/18

Right Out: -60.507 +/- 0.704 χ^2/NDF : 1384.8/18

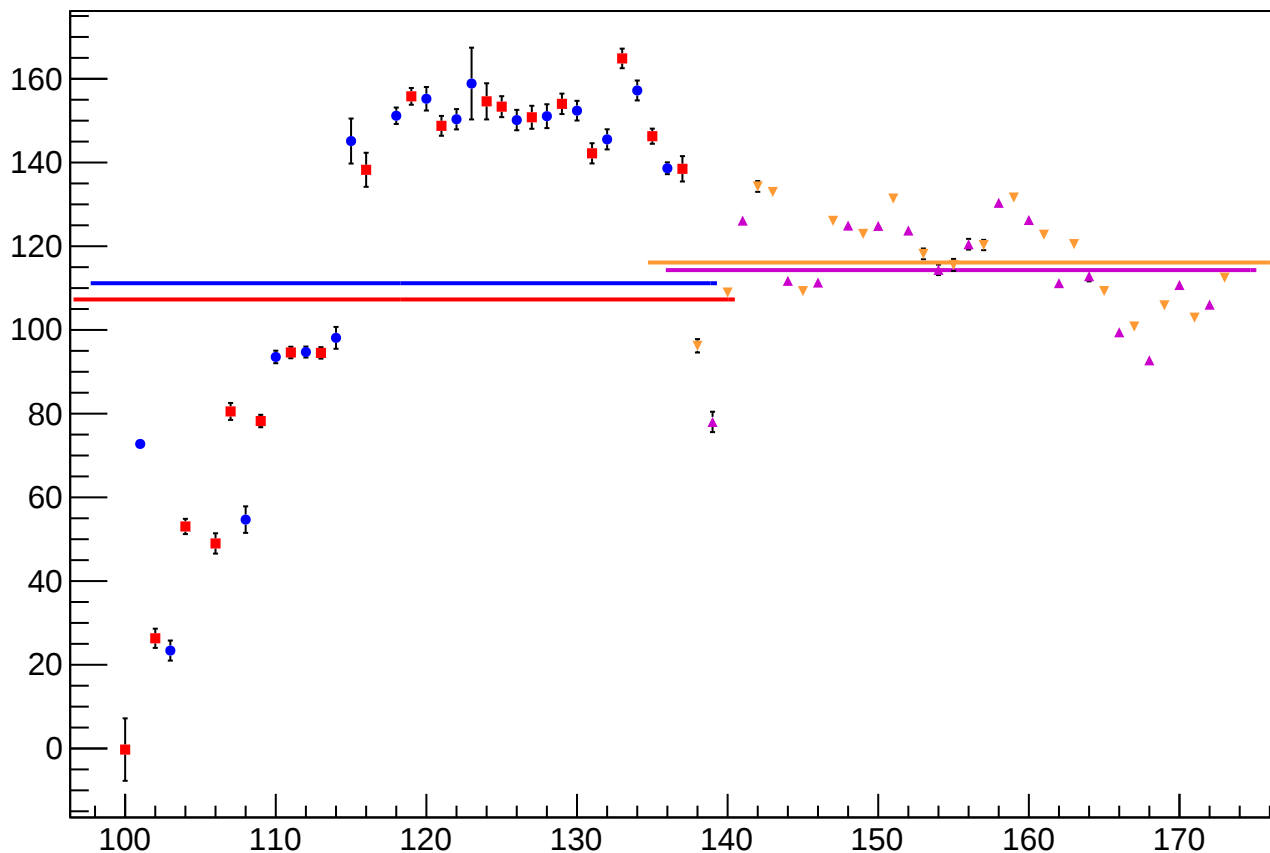
Left In: -74.313 +/- 0.281 χ^2/NDF : 3706.5/16

+ sign -72.878 +/- 0.258 χ^2/NDF : 5004.7/35

All: -72.649 +/- 0.183 χ^2/NDF : 10428.9/71

- sign -72.414 +/- 0.261 χ^2/NDF : 5422.6/35

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 116.109 $\pm$ 0.229 χ^2 /NDF: 2205.8/18

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

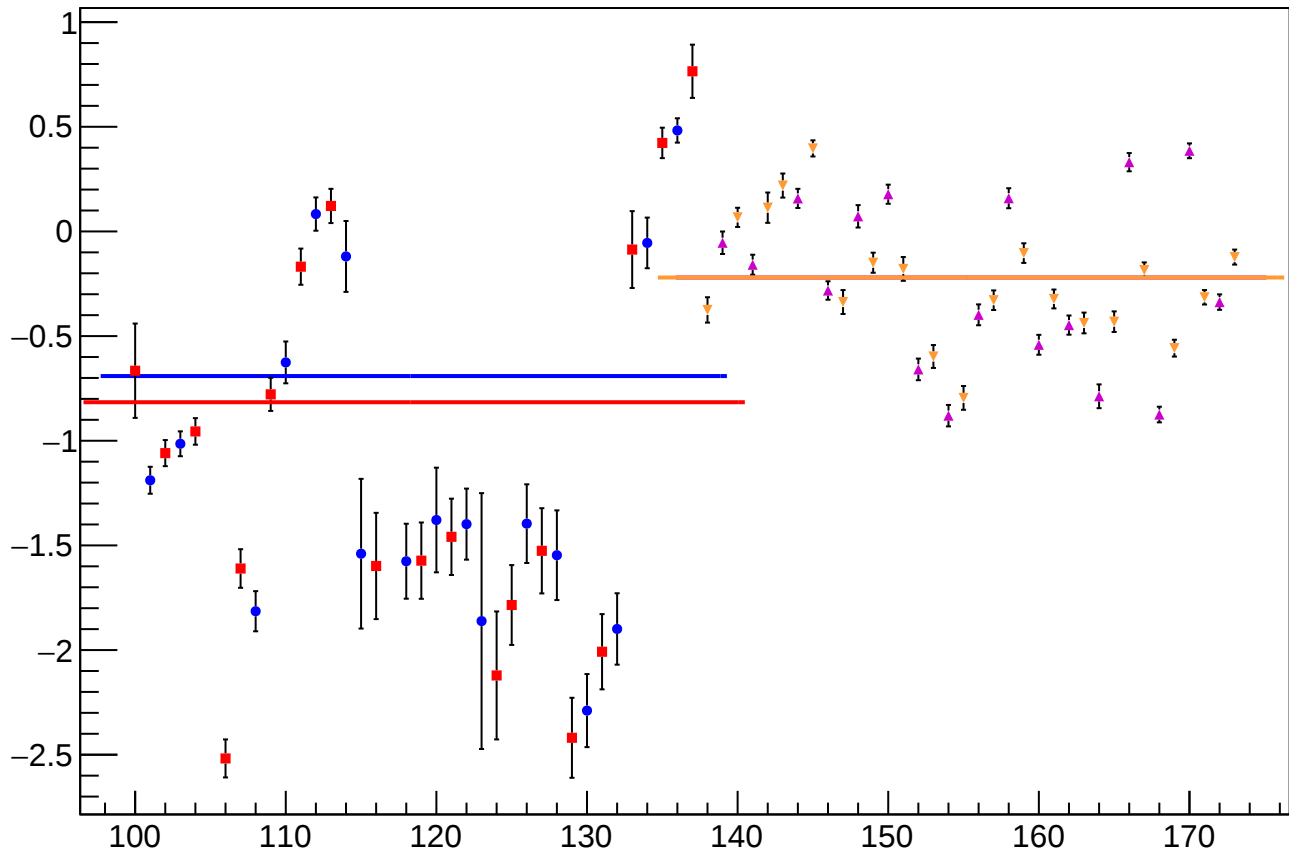
Left In: 114.294 $\pm$ 0.239 χ^2 /NDF: 2011.6/16

+ sign 115.219 $\pm$ 0.207 χ^2 /NDF: 8167.4/35

All: 114.117 $\pm$ 0.149 χ^2 /NDF: 17459.3/71

- sign 112.938 $\pm$ 0.214 χ^2 /NDF: 9233.4/35

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.220 ± 0.011 χ^2/NDF : 678.4/18

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

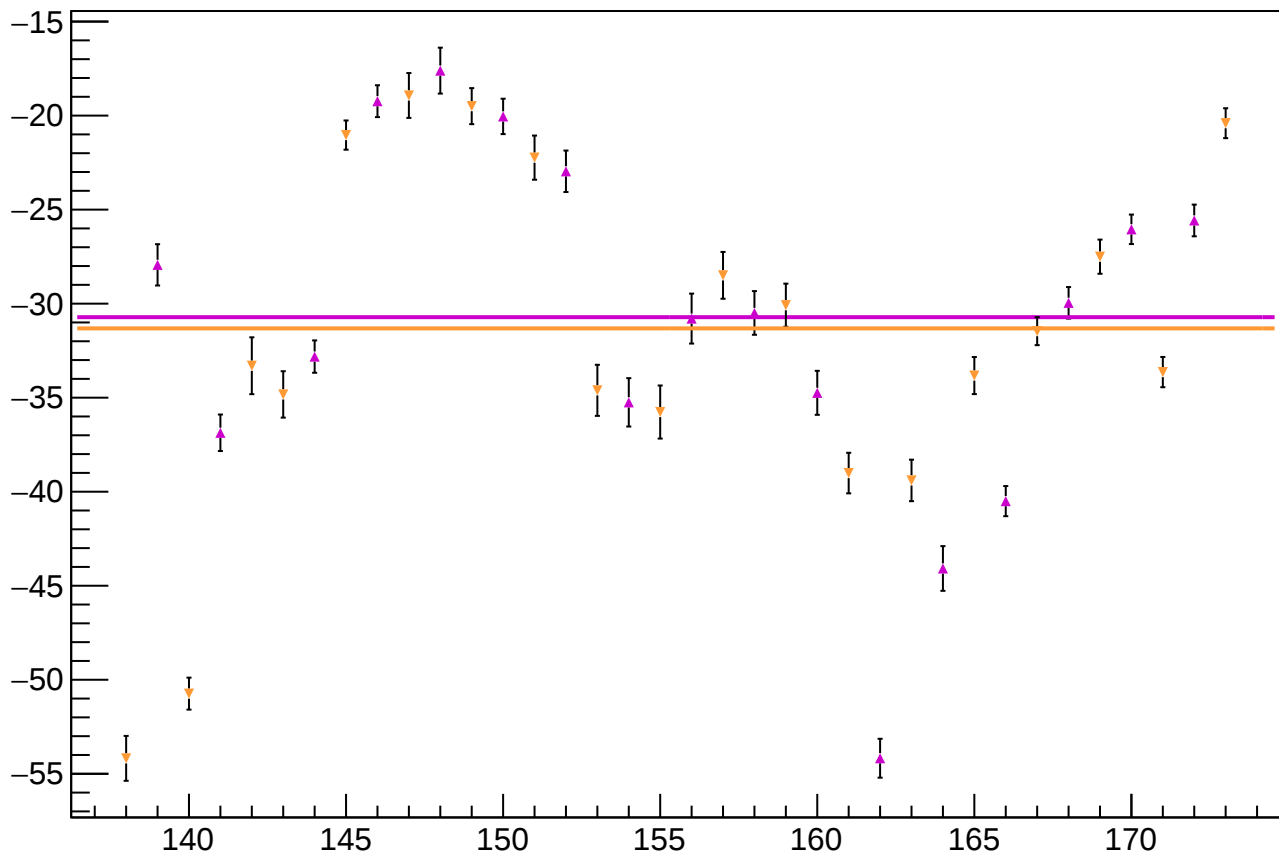
Left In: -0.220 ± 0.011 χ^2/NDF : 1440.1/16

+ sign -0.289 ± 0.010 χ^2/NDF : 1953.4/35

All: -0.305 ± 0.007 χ^2/NDF : 5199.5/71

- sign -0.322 ± 0.010 χ^2/NDF : 3240.5/35

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.315+/-0.232 χ^2/NDF : 1741.4/18

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

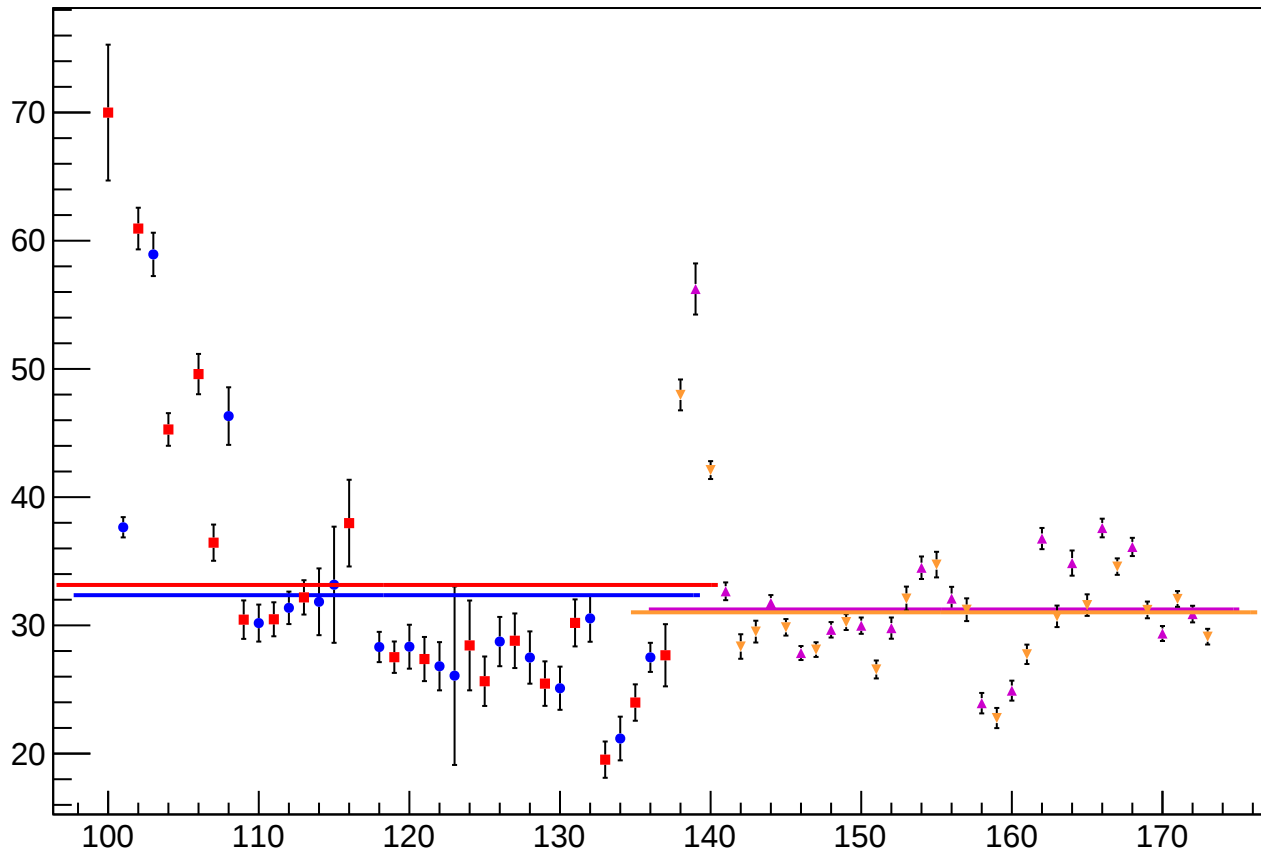
Left In: -30.719+/-0.239 χ^2/NDF : 1416.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.026+/-0.166 χ^2/NDF : 3161.3/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355 $\pm$ 0.375 χ^2 /NDF: 450.5/16

Left Out: 31.018 $\pm$ 0.169 χ^2 /NDF: 721.3/18

Right Out: 33.152 $\pm$ 0.379 χ^2 /NDF: 772.0/18

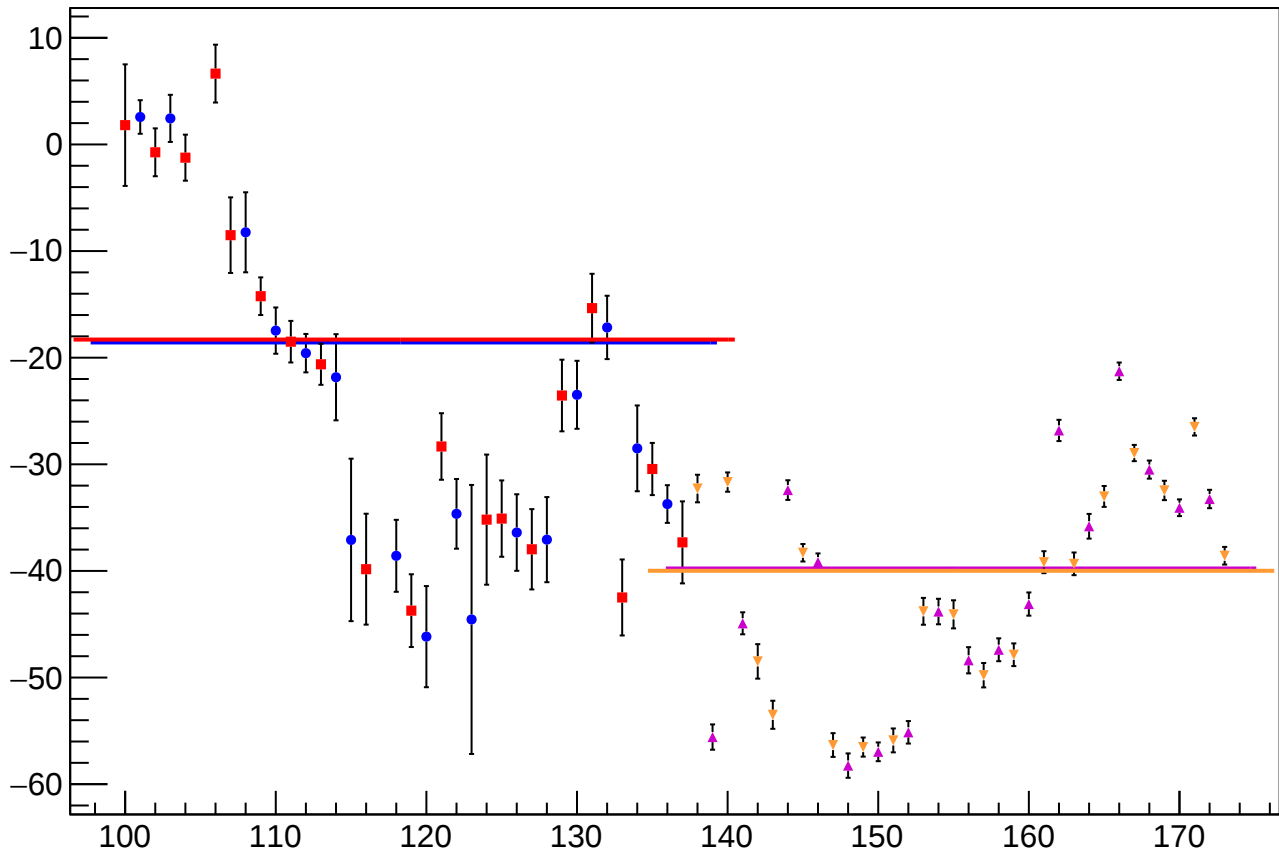
Left In: 31.242 $\pm$ 0.176 χ^2 /NDF: 571.7/16

+ sign 31.243 $\pm$ 0.154 χ^2 /NDF: 1182.3/35

All: 31.406 $\pm$ 0.111 χ^2 /NDF: 2549.3/71

- sign 31.580 $\pm$ 0.159 χ^2 /NDF: 1364.6/35

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -39.987 ± 0.231 χ^2/NDF : 1772.1/18

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

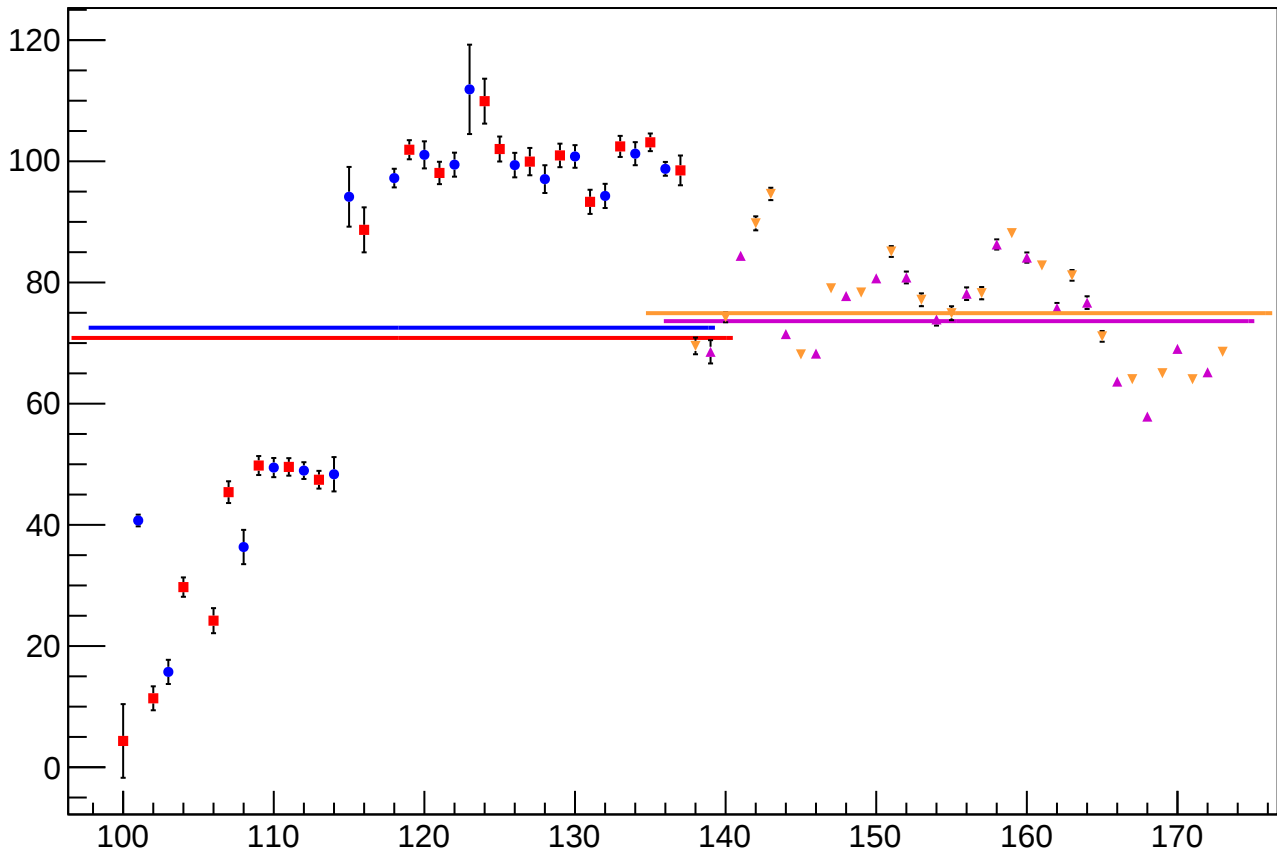
Left In: -39.772 ± 0.236 χ^2/NDF : 2164.8/16

+ sign -37.697 ± 0.218 χ^2/NDF : 3202.9/35

All: -37.467 ± 0.155 χ^2/NDF : 6823.9/71

- sign -37.230 ± 0.222 χ^2/NDF : 3618.7/35

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537 ± 0.428 χ^2/NDF : 4684.1/16

Left Out: 74.938 ± 0.194 χ^2/NDF : 2023.6/18

Right Out: 70.849 ± 0.433 χ^2/NDF : 5500.2/18

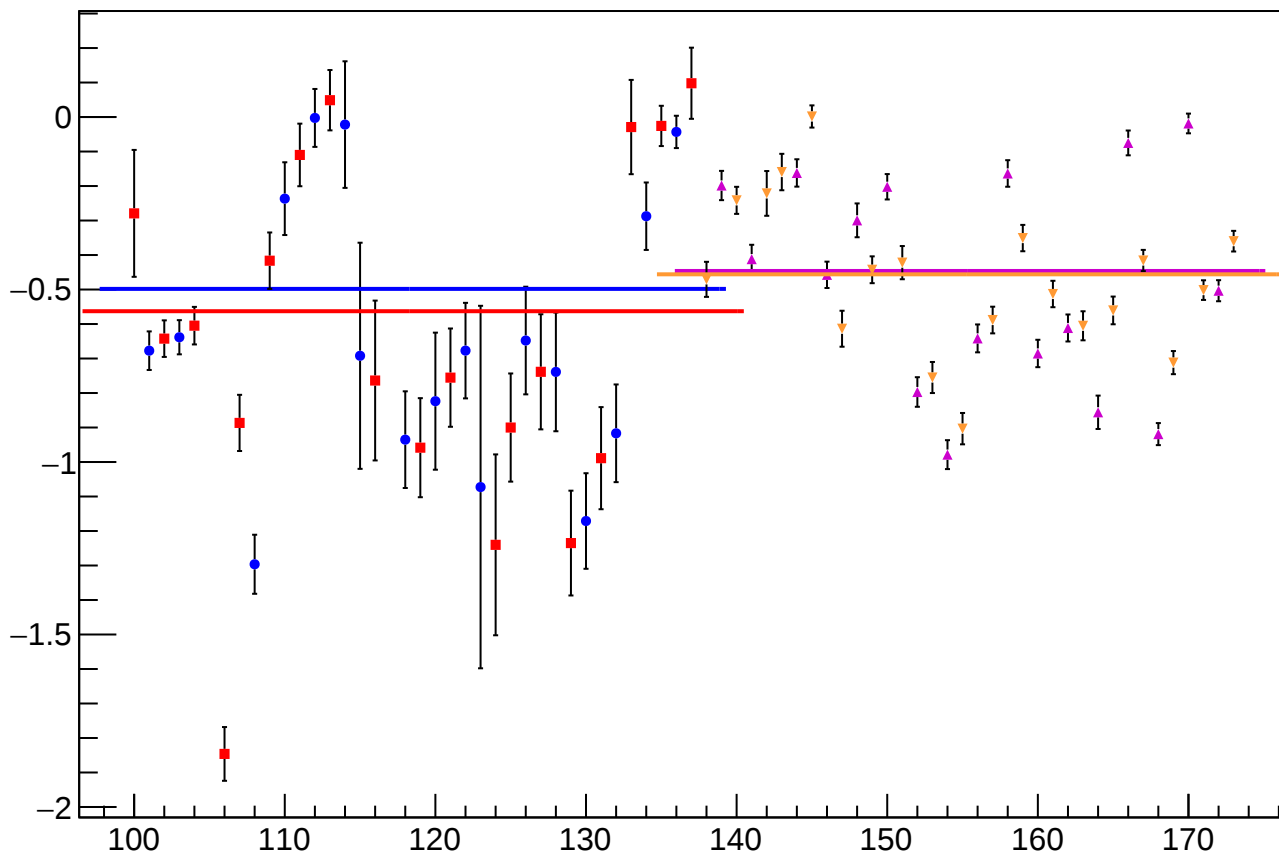
Left In: 73.621 ± 0.201 χ^2/NDF : 1551.5/16

+ sign 74.531 ± 0.176 χ^2/NDF : 6733.8/35

All: 73.854 ± 0.127 χ^2/NDF : 13849.8/71

- sign 73.128 ± 0.183 χ^2/NDF : 7085.4/35

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.456 ± 0.009 χ^2/NDF : 541.3/18

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

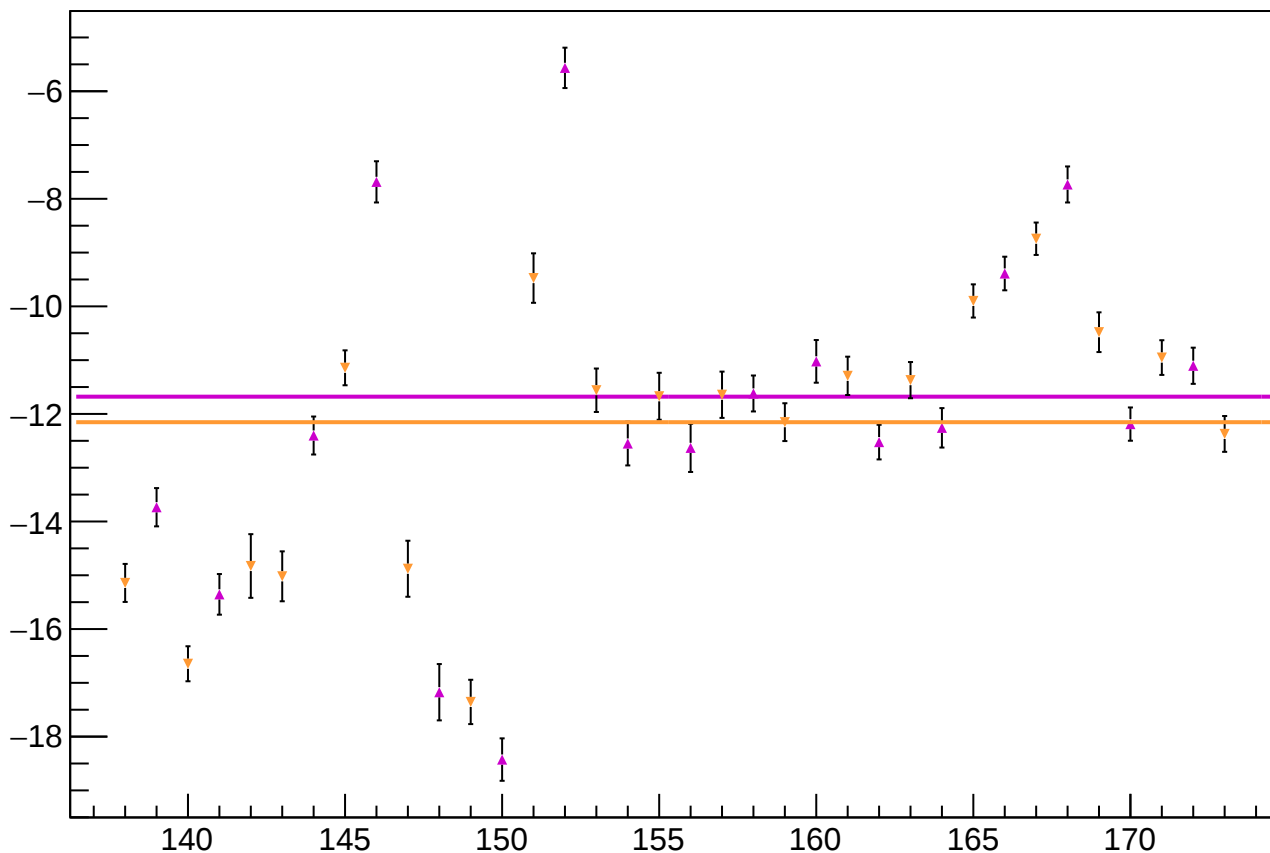
Left In: -0.446 ± 0.009 χ^2/NDF : 1123.2/16

+ sign -0.462 ± 0.008 χ^2/NDF : 847.1/35

All: -0.463 ± 0.006 χ^2/NDF : 2556.1/71

- sign -0.464 ± 0.008 χ^2/NDF : 1708.9/35

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -12.154 ± 0.085 χ^2/NDF : 783.4/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

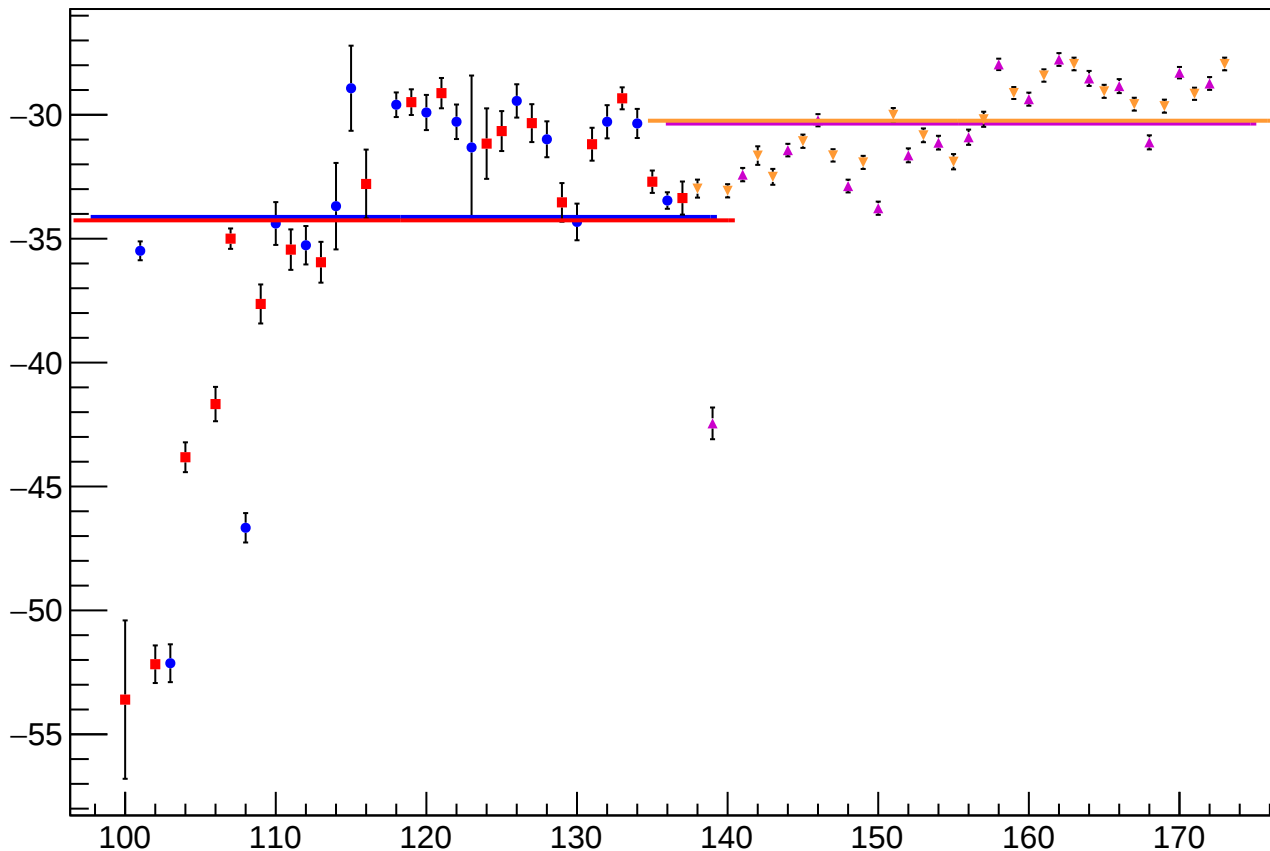
Left In: -11.679 ± 0.088 χ^2/NDF : 1127.8/16

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -11.924 ± 0.061 χ^2/NDF : 1926.2/35

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -30.239 ± 0.063 χ^2/NDF : 632.8/18

Right Out: -34.260 ± 0.151 χ^2/NDF : 1354.9/18

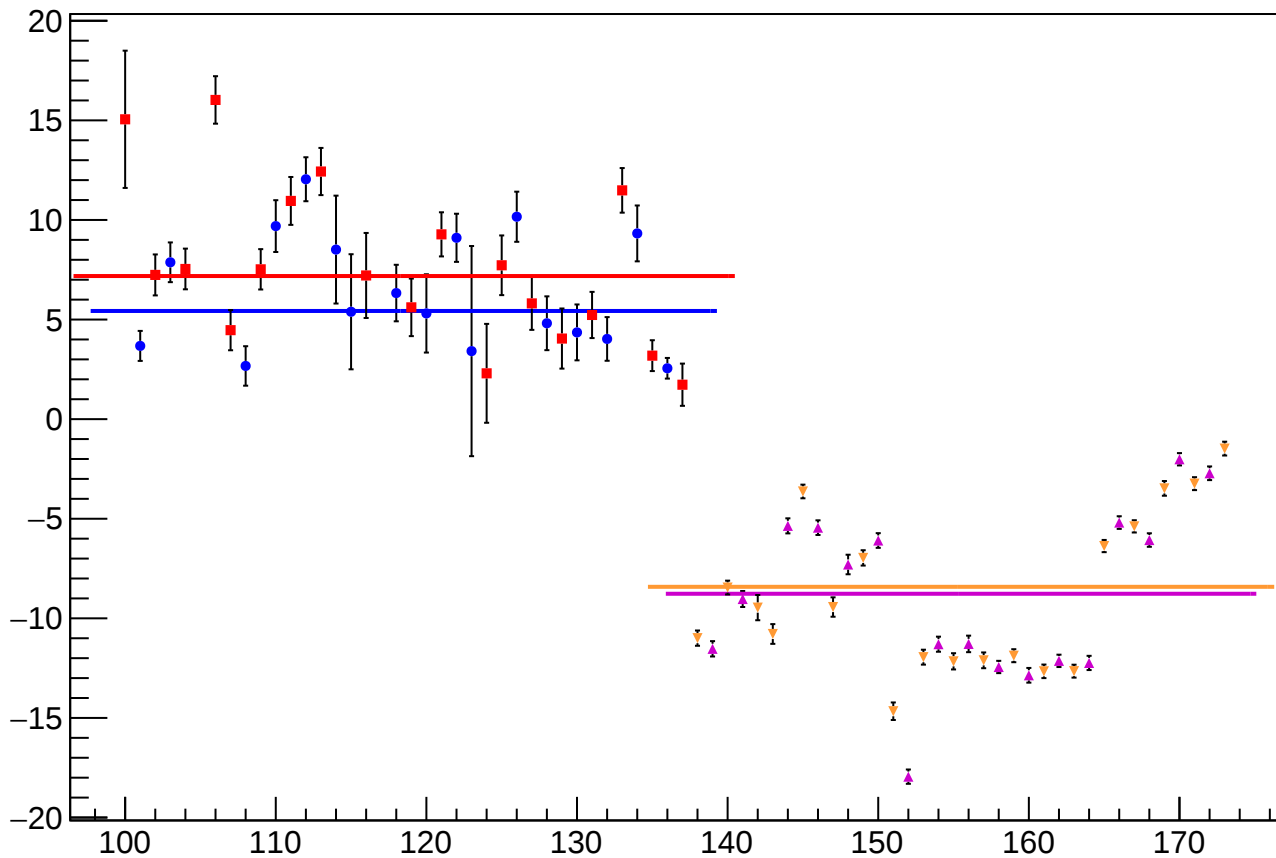
Left In: -30.354 ± 0.066 χ^2/NDF : 1135.4/16

+ sign -30.807 ± 0.058 χ^2/NDF : 2513.9/35

All: -30.889 ± 0.042 χ^2/NDF : 5571.8/71

- sign -30.979 ± 0.060 χ^2/NDF : 3053.7/35

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 $\pm$ 0.270 χ^2 /NDF: 132.0/16

Left Out: -8.417 $\pm$ 0.085 χ^2 /NDF:2158.8/18

Right Out: 7.185 $\pm$ 0.274 χ^2 /NDF: 182.1/18

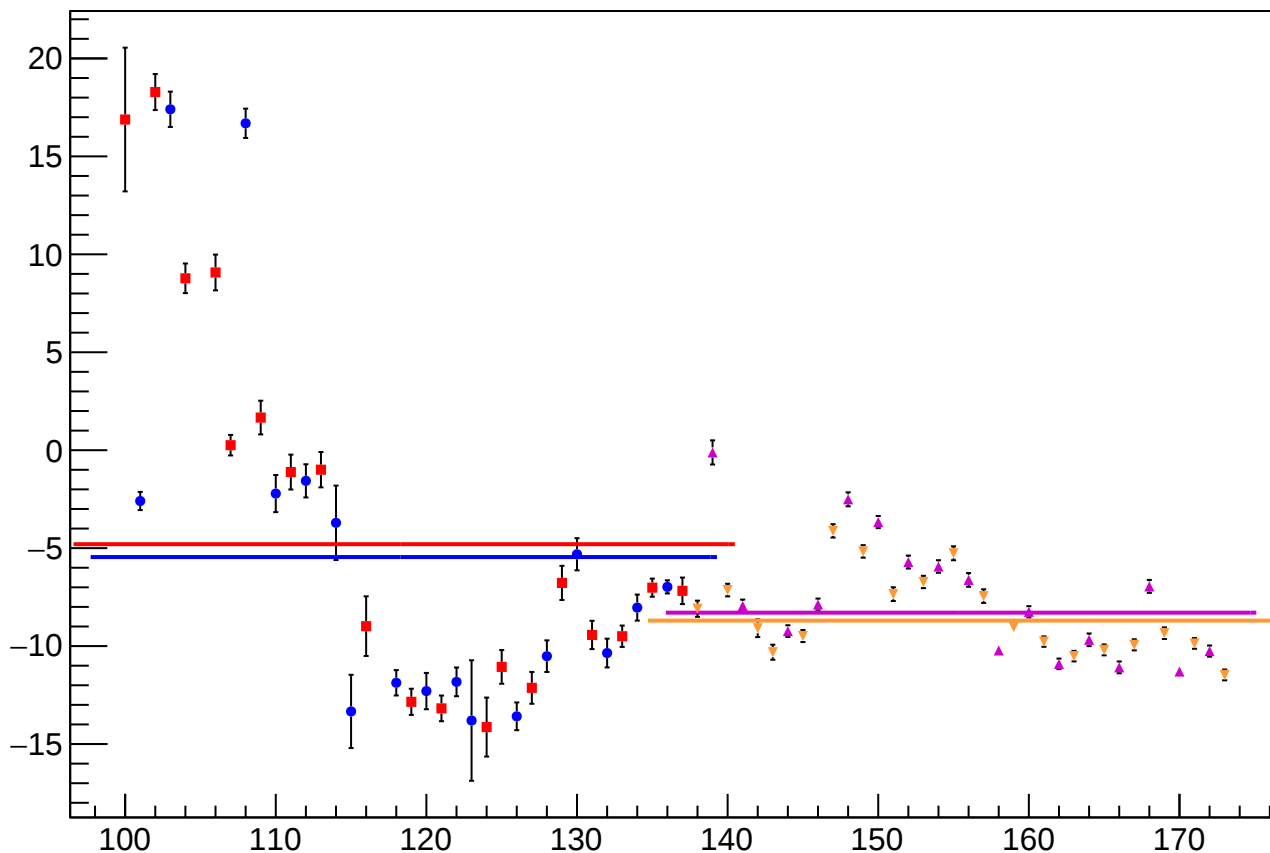
Left In: -8.766 $\pm$ 0.087 χ^2 /NDF:2463.9/16

+ sign -7.182 $\pm$ 0.081 χ^2 /NDF: 4679.9/35

All: -7.248 $\pm$ 0.058 χ^2 /NDF: 10398.6/71

- sign -7.318 $\pm$ 0.083 χ^2 /NDF: 5717.4/35

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -8.698 ± 0.071 χ^2/NDF : 746.8/18

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

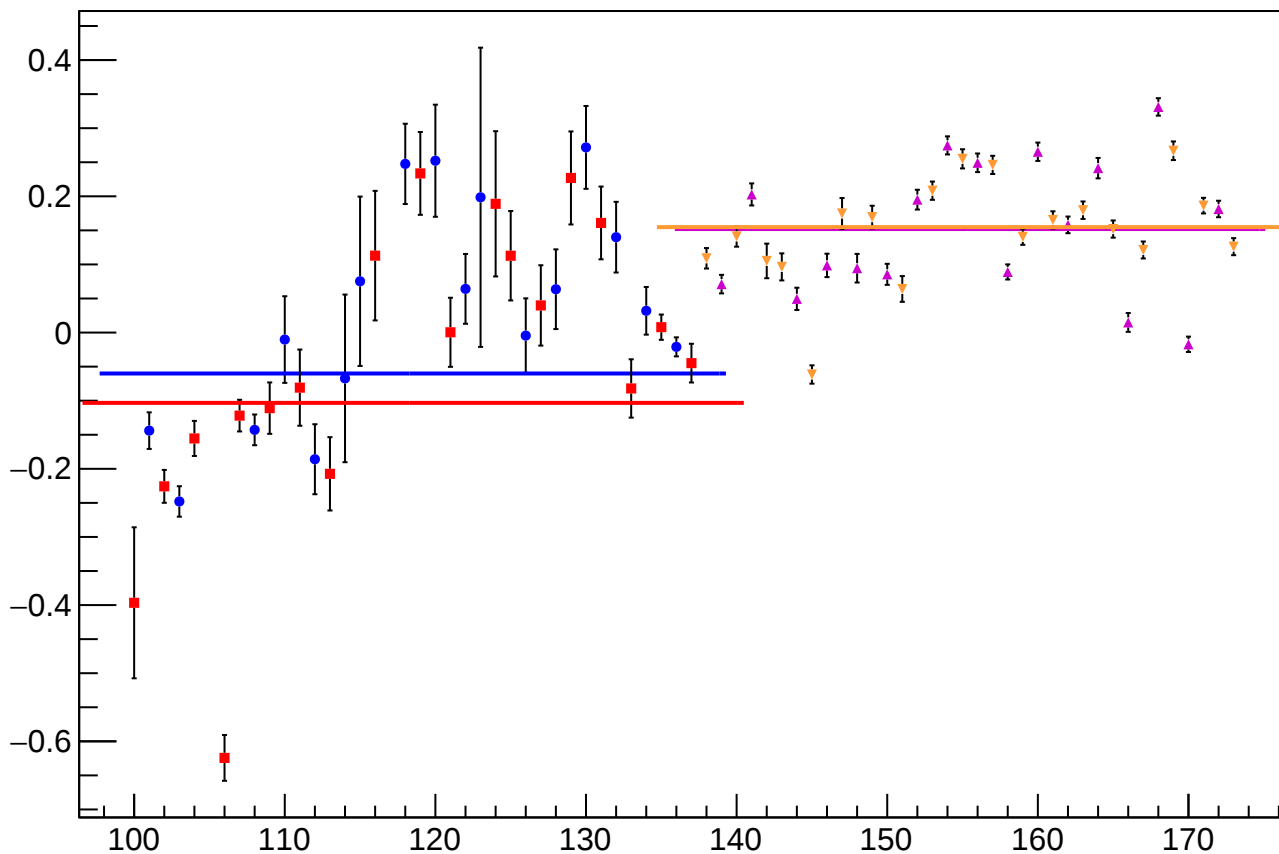
Left In: -8.294 ± 0.075 χ^2/NDF : 1280.3/16

+ sign -8.217 ± 0.066 χ^2/NDF : 3150.3/35

All: -7.991 ± 0.047 χ^2/NDF : 6847.2/71

- sign -7.746 ± 0.068 χ^2/NDF : 3672.3/35

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.155 ± 0.003 χ^2/NDF : 512.8/18

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

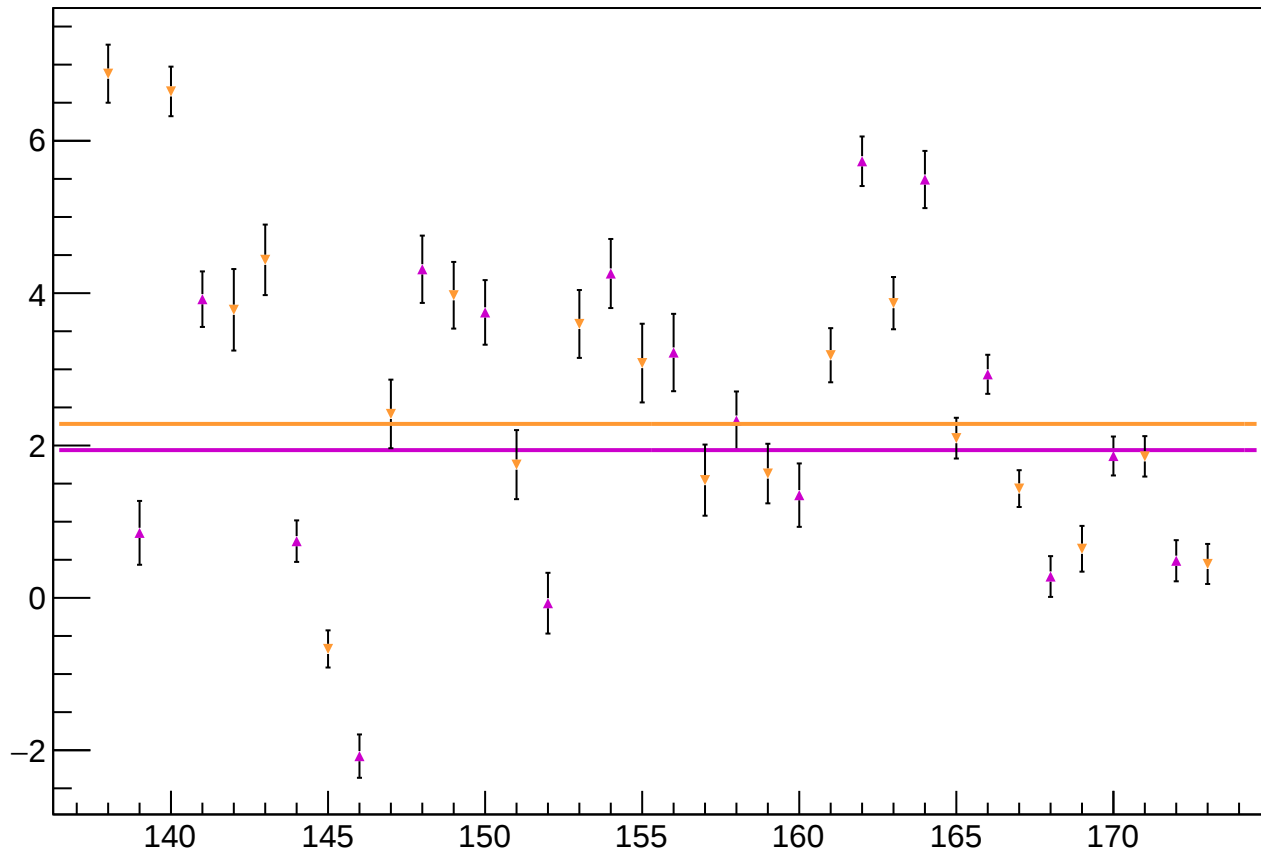
Left In: 0.152 ± 0.003 χ^2/NDF : 928.7/16

+ sign 0.127 ± 0.003 χ^2/NDF : 1297.1/35

All: 0.122 ± 0.002 χ^2/NDF : 3455.2/71

- sign 0.117 ± 0.003 χ^2/NDF : 2153.3/35

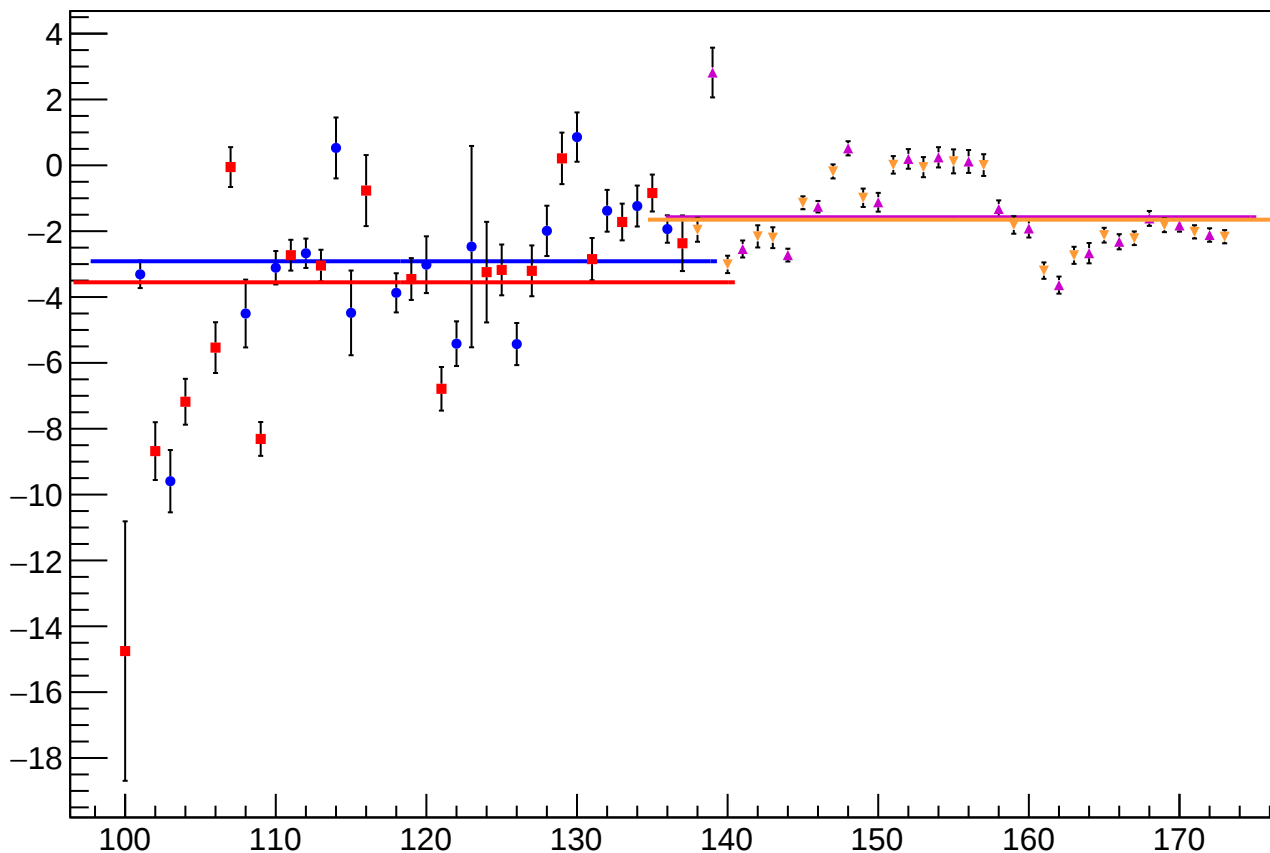
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 2.284 ± 0.078 $\chi^2/\text{NDF}: 656.4/18$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: 1.940 ± 0.081 $\chi^2/\text{NDF}: 670.8/16$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 All: 2.118 ± 0.056 $\chi^2/\text{NDF}: 1336.5/35$
 - sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.651 ± 0.058 χ^2/NDF : 285.9/18

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

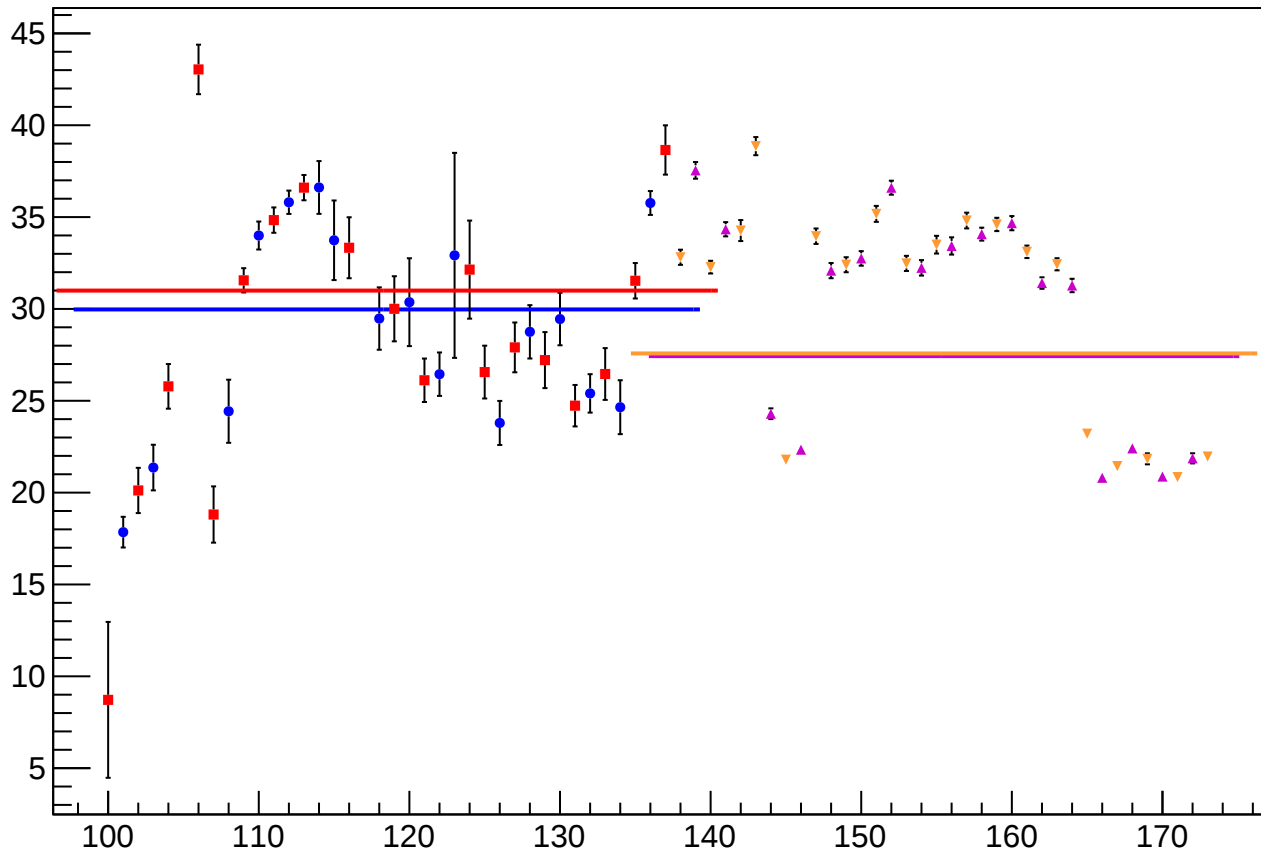
Left In: -1.577 ± 0.059 χ^2/NDF : 374.1/16

+ sign -1.804 ± 0.054 χ^2/NDF : 490.4/35

All: -1.817 ± 0.039 χ^2/NDF : 1297.9/71

- sign -1.832 ± 0.056 χ^2/NDF : 807.3/35

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 ± 0.267 χ^2/NDF : 554.3/16

Left Out: 27.577 ± 0.078 χ^2/NDF : 5910.1/18

Right Out: 30.999 ± 0.260 χ^2/NDF : 479.5/18

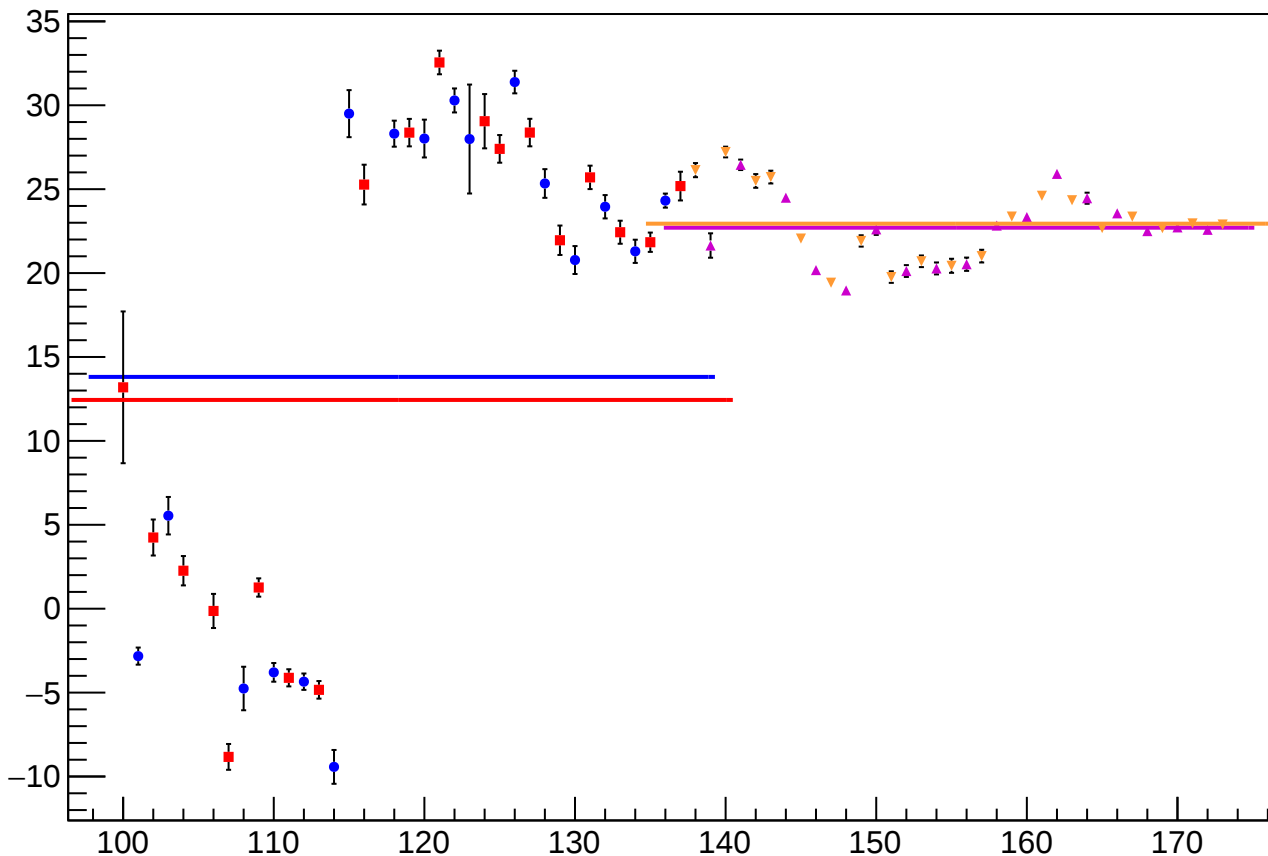
Left In: 27.430 ± 0.080 χ^2/NDF : 5483.9/16

+ sign 27.766 ± 0.075 χ^2/NDF : 6538.4/35

All: 27.754 ± 0.054 χ^2/NDF : 12673.7/71

- sign 27.741 ± 0.077 χ^2/NDF : 6135.2/35

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 22.944 $\pm$ 0.065 χ^2 /NDF: 757.0/18

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

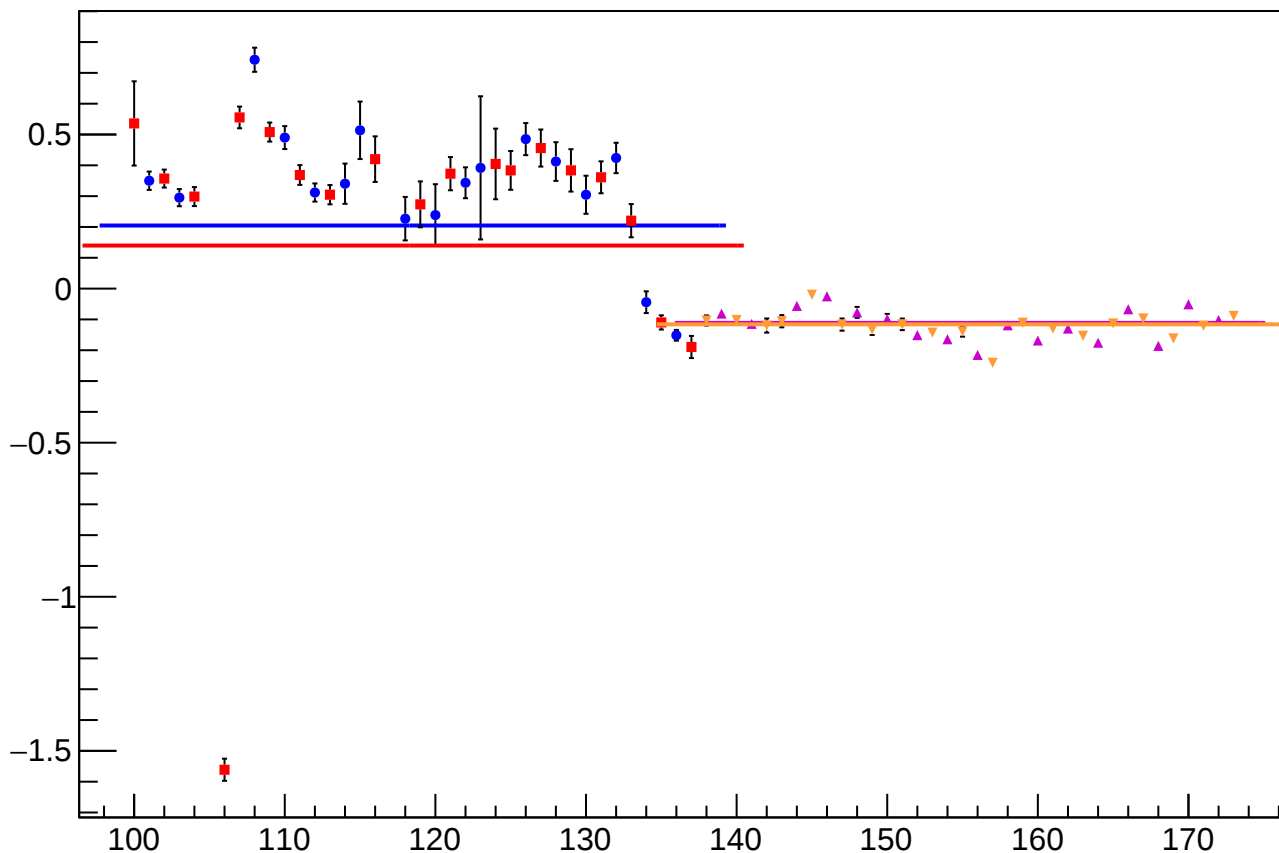
Left In: 22.704 $\pm$ 0.068 χ^2 /NDF: 810.2/16

+ sign 21.796 $\pm$ 0.061 χ^2 /NDF: 10520.4/35

All: 21.573 $\pm$ 0.044 χ^2 /NDF: 21352.9/71

- sign 21.334 $\pm$ 0.063 χ^2 /NDF: 10805.0/35

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.116 ± 0.003 χ^2/NDF : 209.0/18

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

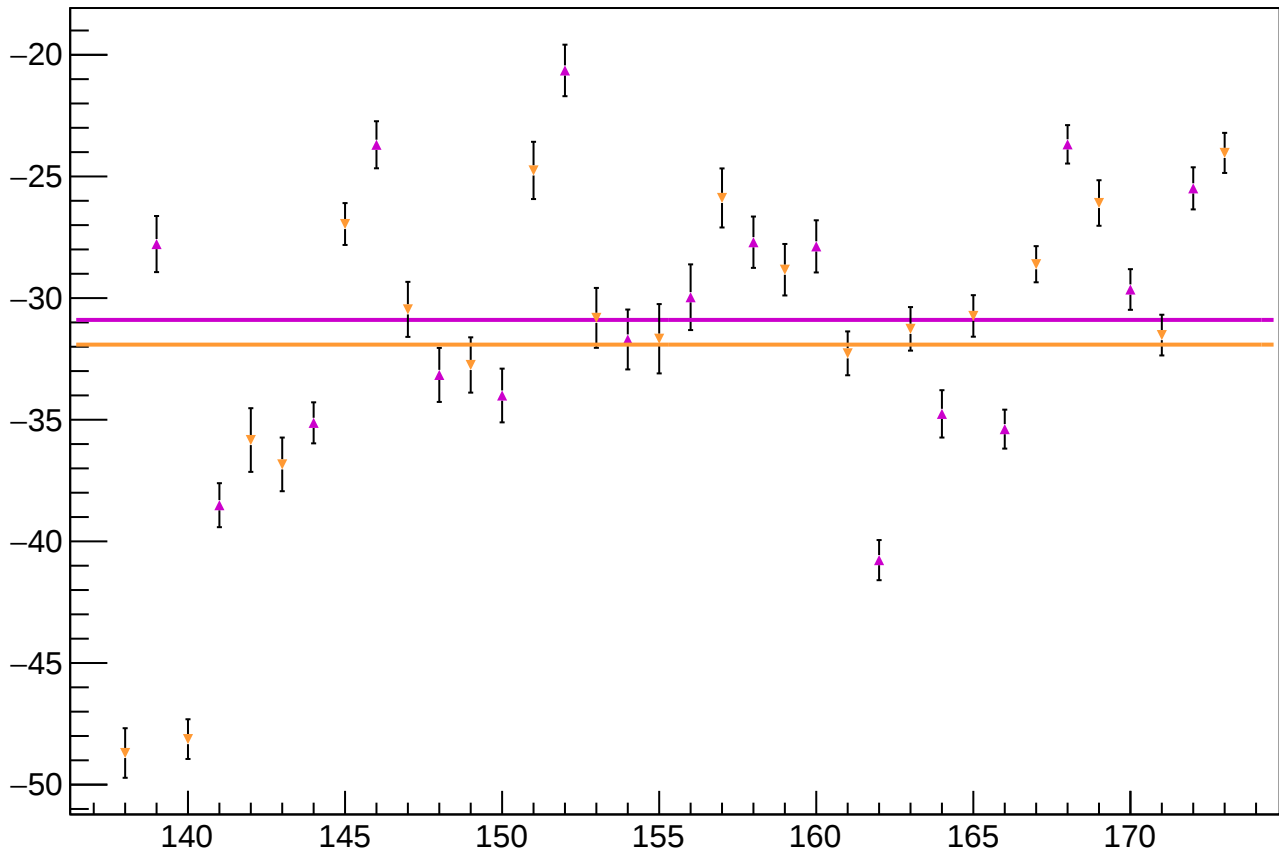
Left In: -0.111 ± 0.003 χ^2/NDF : 285.0/16

+ sign -0.086 ± 0.003 χ^2/NDF : 2114.9/35

All: -0.086 ± 0.002 χ^2/NDF : 6079.4/71

- sign -0.085 ± 0.003 χ^2/NDF : 3964.5/35

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.912+/-0.224 χ^2/NDF : 953.7/18

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

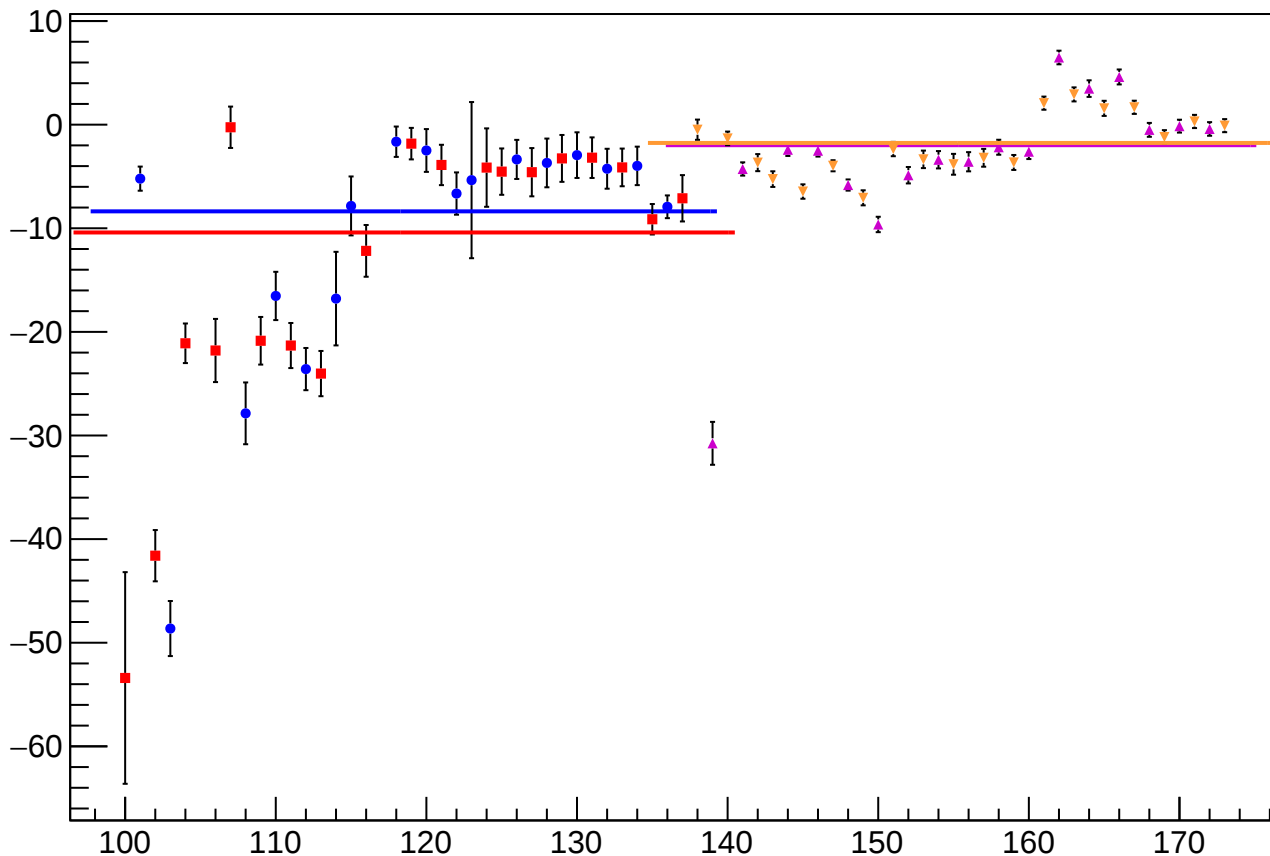
Left In: -30.897+/-0.233 χ^2/NDF : 597.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.425+/-0.162 χ^2/NDF : 1561.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -1.764 ± 0.162 χ^2/NDF : 315.0/18

Right Out: -10.405 ± 0.491 χ^2/NDF : 430.3/18

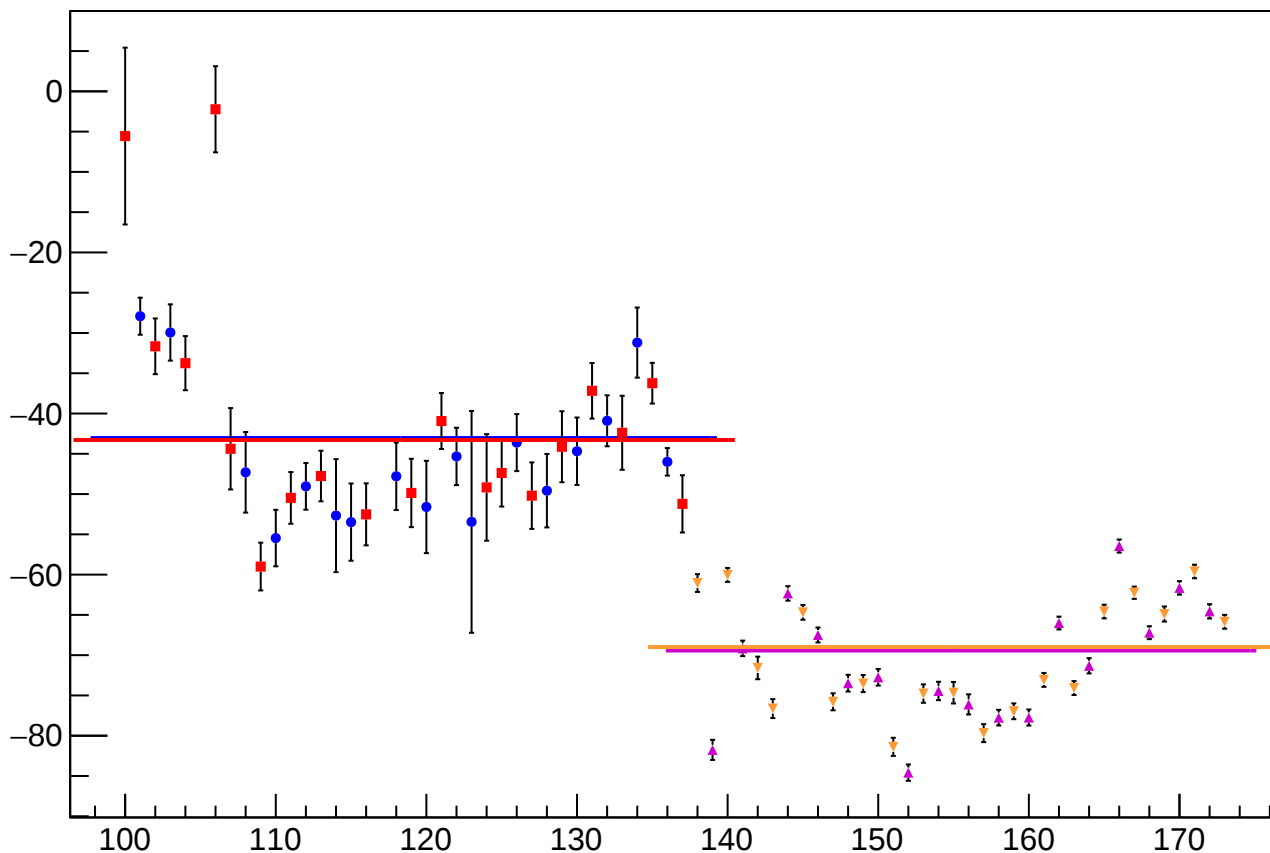
Left In: -1.981 ± 0.170 χ^2/NDF : 697.7/16

+ sign -2.478 ± 0.153 χ^2/NDF : 902.9/35

All: -2.669 ± 0.111 χ^2/NDF : 2297.2/71

- sign -2.879 ± 0.160 χ^2/NDF : 1391.0/35

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$

Left Out: -68.993 ± 0.223 $\chi^2/\text{NDF}: 926.6/18$

Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$

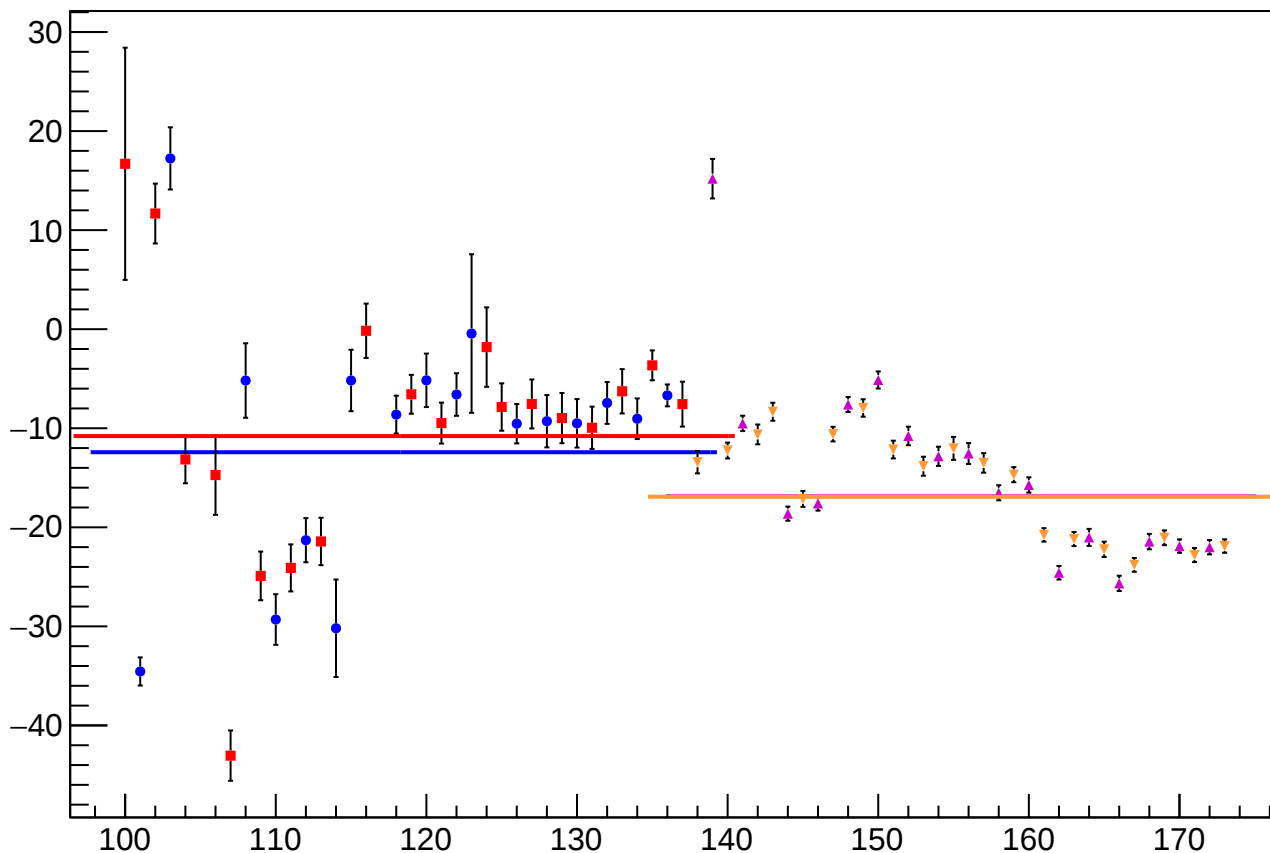
Left In: -69.417 ± 0.230 $\chi^2/\text{NDF}: 1004.3/16$

+ sign -67.267 ± 0.216 $\chi^2/\text{NDF}: 1922.0/35$

All: -67.476 ± 0.155 $\chi^2/\text{NDF}: 3931.2/71$

- sign -67.698 ± 0.222 $\chi^2/\text{NDF}: 2007.2/35$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -16.912 ± 0.186 χ^2/NDF : 791.9/18

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

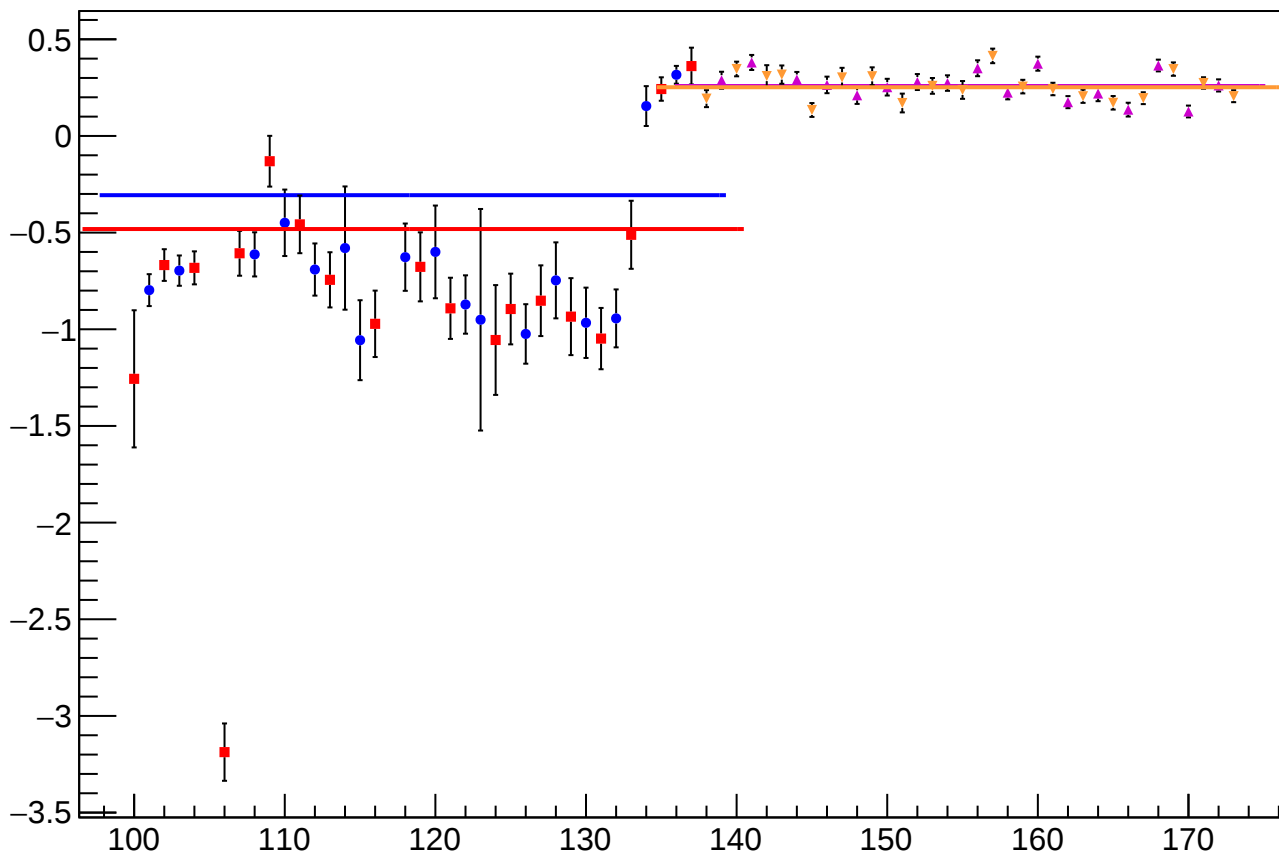
Left In: -16.866 ± 0.195 χ^2/NDF : 1190.0/16

+ sign -16.408 ± 0.175 χ^2/NDF : 1331.7/35

All: -16.307 ± 0.127 χ^2/NDF : 2995.3/71

- sign -16.196 ± 0.184 χ^2/NDF : 1662.9/35

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.252 ± 0.009 χ^2/NDF : 66.4/18

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

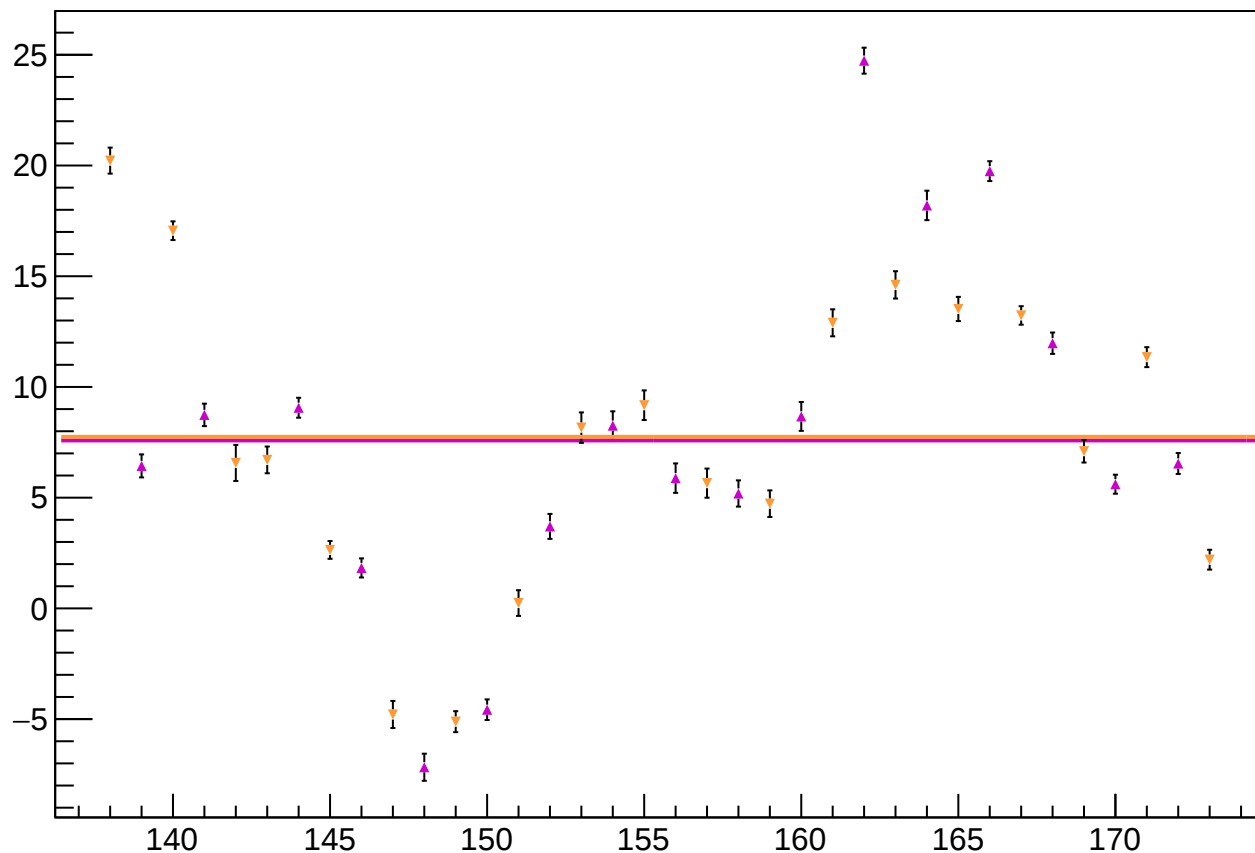
Left In: 0.258 ± 0.009 χ^2/NDF : 79.0/16

+ sign 0.202 ± 0.008 χ^2/NDF : 811.4/35

All: 0.197 ± 0.006 χ^2/NDF : 2128.3/71

- sign 0.192 ± 0.009 χ^2/NDF : 1316.2/35

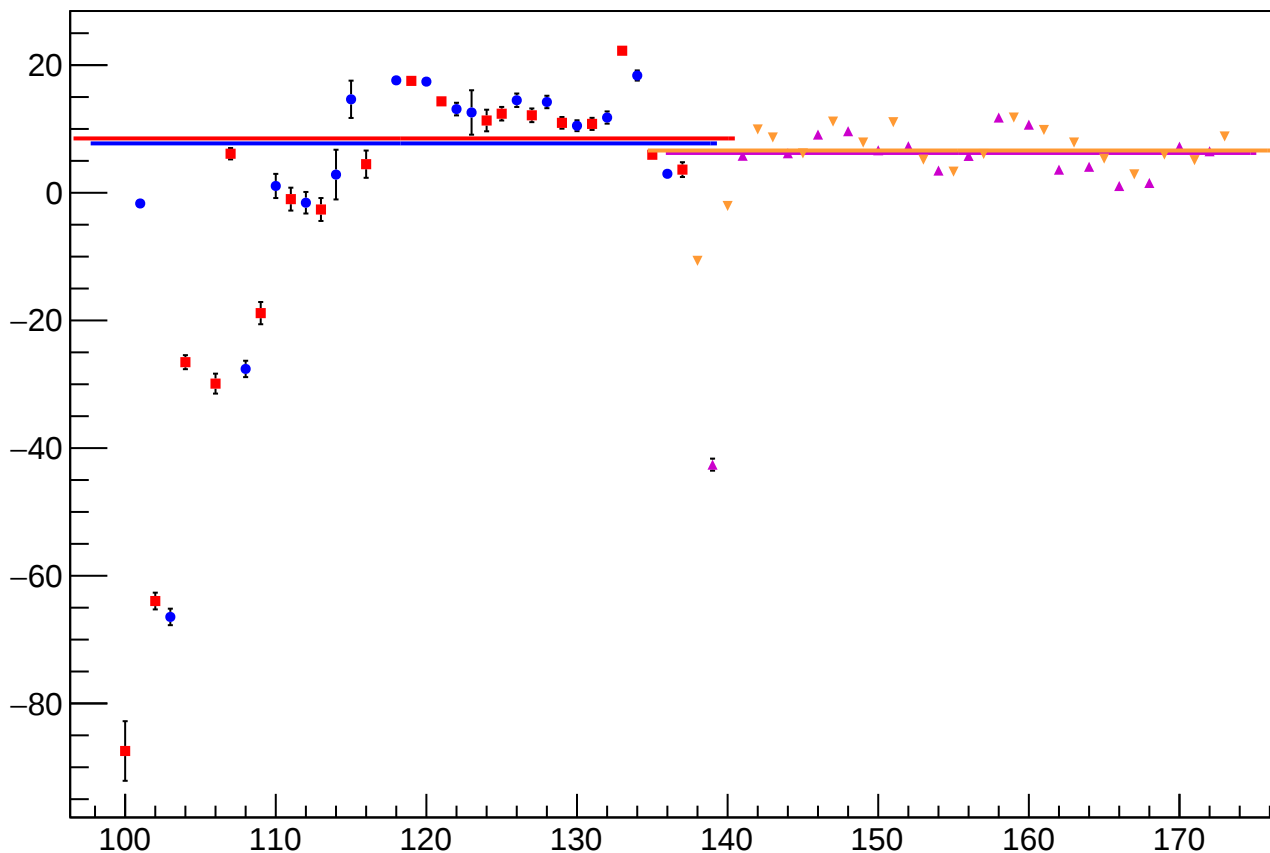
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.747+/-0.123 χ^2/NDF :3164.9/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.586+/-0.126 χ^2/NDF :3488.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 7.669+/-0.088 χ^2/NDF : 6654.5/35
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 $\pm$ 0.218 χ^2 /NDF: 5300.6/16

Left Out: 6.624 $\pm$ 0.089 χ^2 /NDF: 2402.0/18

Right Out: 8.514 $\pm$ 0.213 χ^2 /NDF: 6719.4/18

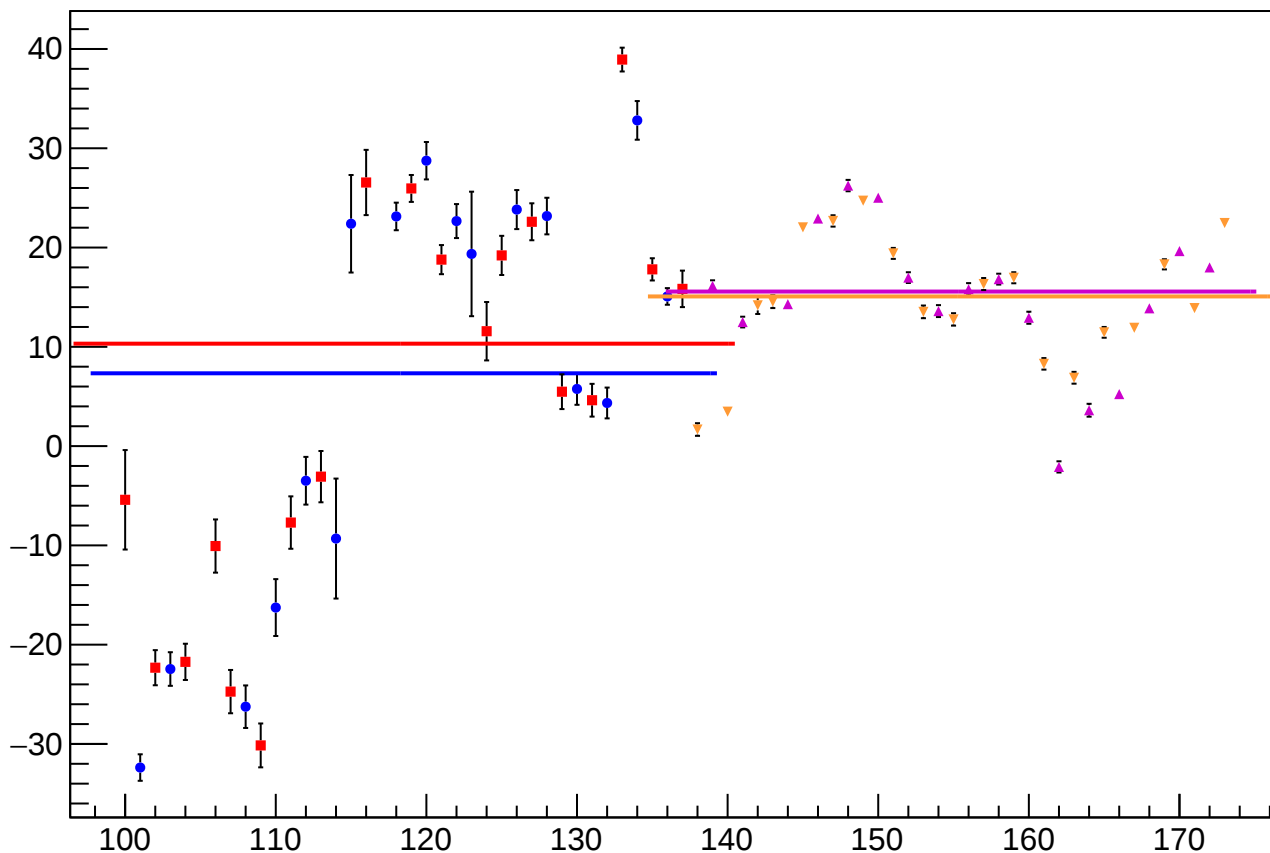
Left In: 6.241 $\pm$ 0.093 χ^2 /NDF: 3597.7/16

+ sign 6.782 $\pm$ 0.082 χ^2 /NDF: 7724.9/35

All: 6.695 $\pm$ 0.059 χ^2 /NDF: 18140.0/71

- sign 6.602 $\pm$ 0.085 χ^2 /NDF: 10412.7/35

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 15.075 ± 0.122 χ^2/NDF : 2848.5/18

Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18

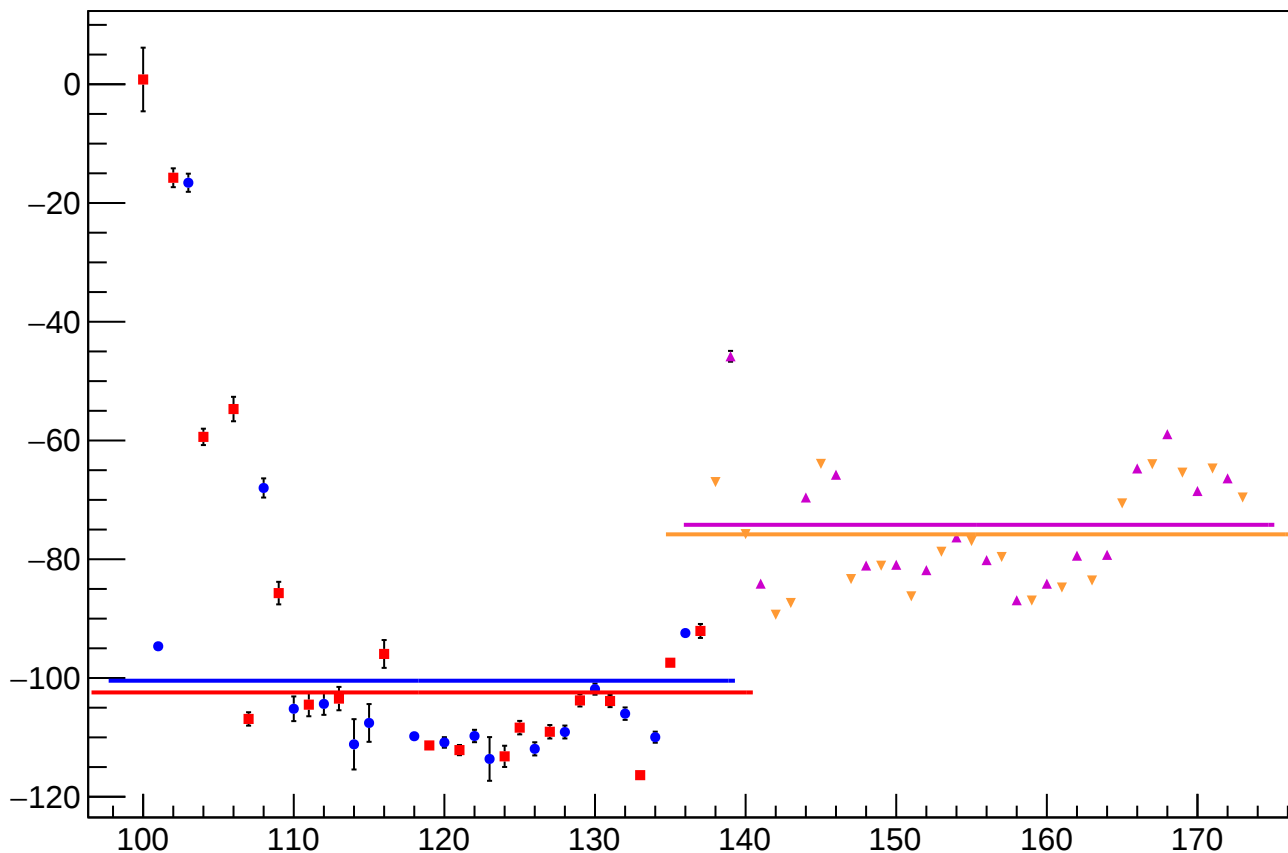
Left In: 15.568 ± 0.125 χ^2/NDF : 3169.5/16

+ sign 14.467 ± 0.117 χ^2/NDF : 5456.8/35

All: 14.795 ± 0.084 χ^2/NDF : 11069.3/71

- sign 15.135 ± 0.120 χ^2/NDF : 5596.6/35

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -75.805 ± 0.102 χ^2/NDF : 7435.7/18

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

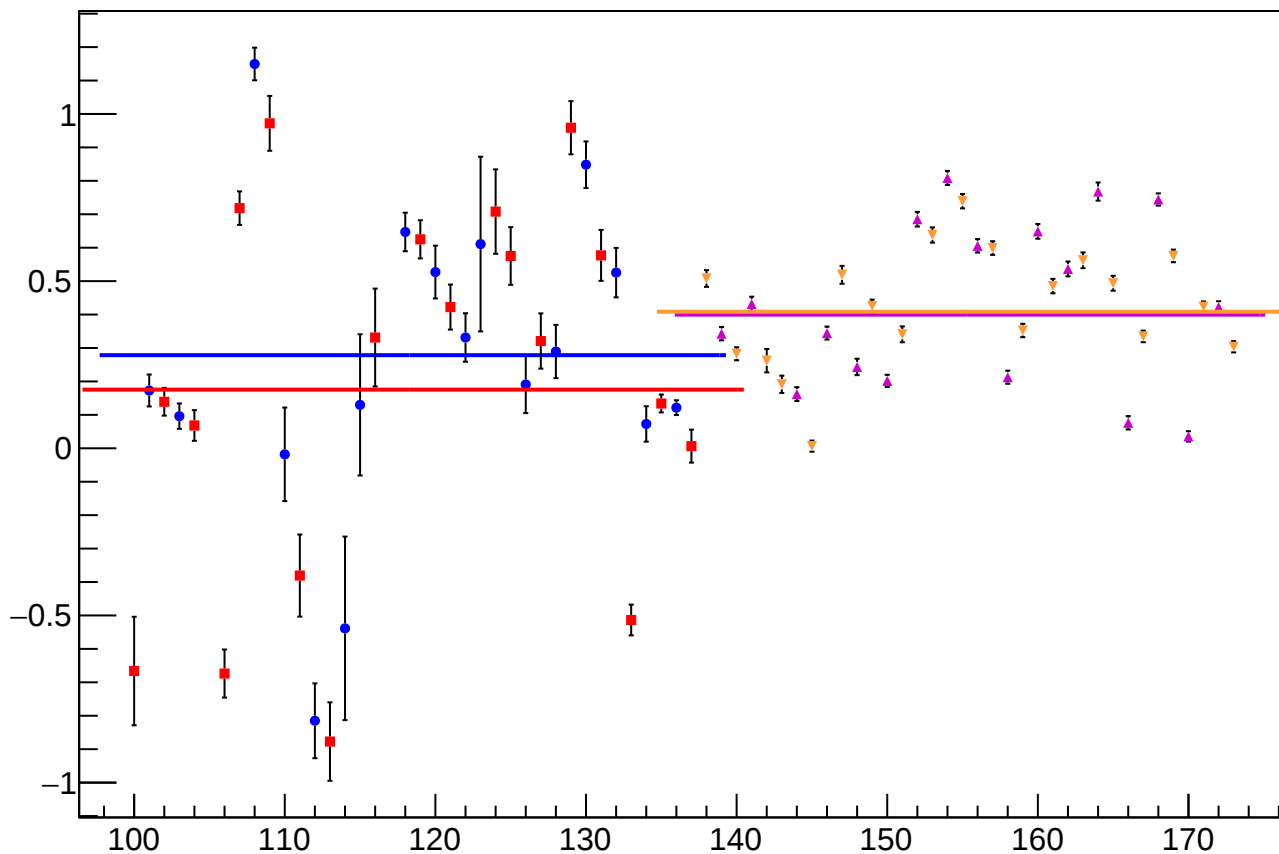
Left In: -74.199 ± 0.107 χ^2/NDF : 6895.8/16

+ sign -79.330 ± 0.095 χ^2/NDF : 20180.6/35

All: -79.008 ± 0.068 χ^2/NDF : 44259.4/71

- sign -78.663 ± 0.098 χ^2/NDF : 24054.9/35

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 $\pm$ 0.014 χ^2 /NDF: 653.9/16

Left Out: 0.409 $\pm$ 0.005 χ^2 /NDF:1390.5/18

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

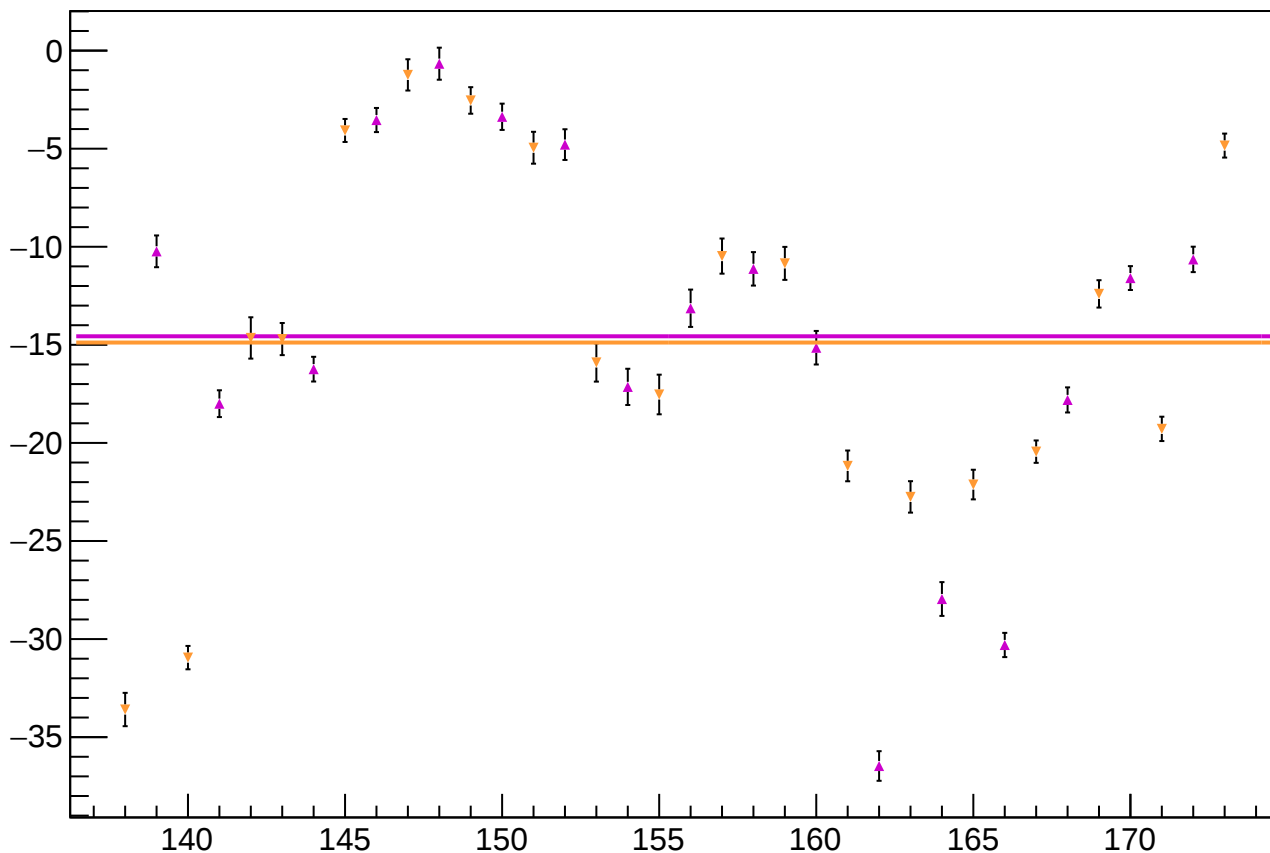
Left In: 0.400 $\pm$ 0.005 χ^2 /NDF:2551.7/16

+ sign 0.394 $\pm$ 0.004 χ^2 /NDF: 2126.8/35

All: 0.384 $\pm$ 0.003 χ^2 /NDF: 5901.4/71

- sign 0.374 $\pm$ 0.005 χ^2 /NDF: 3764.2/35

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -14.883+/-0.170 χ^2/NDF : 3061.4/18

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

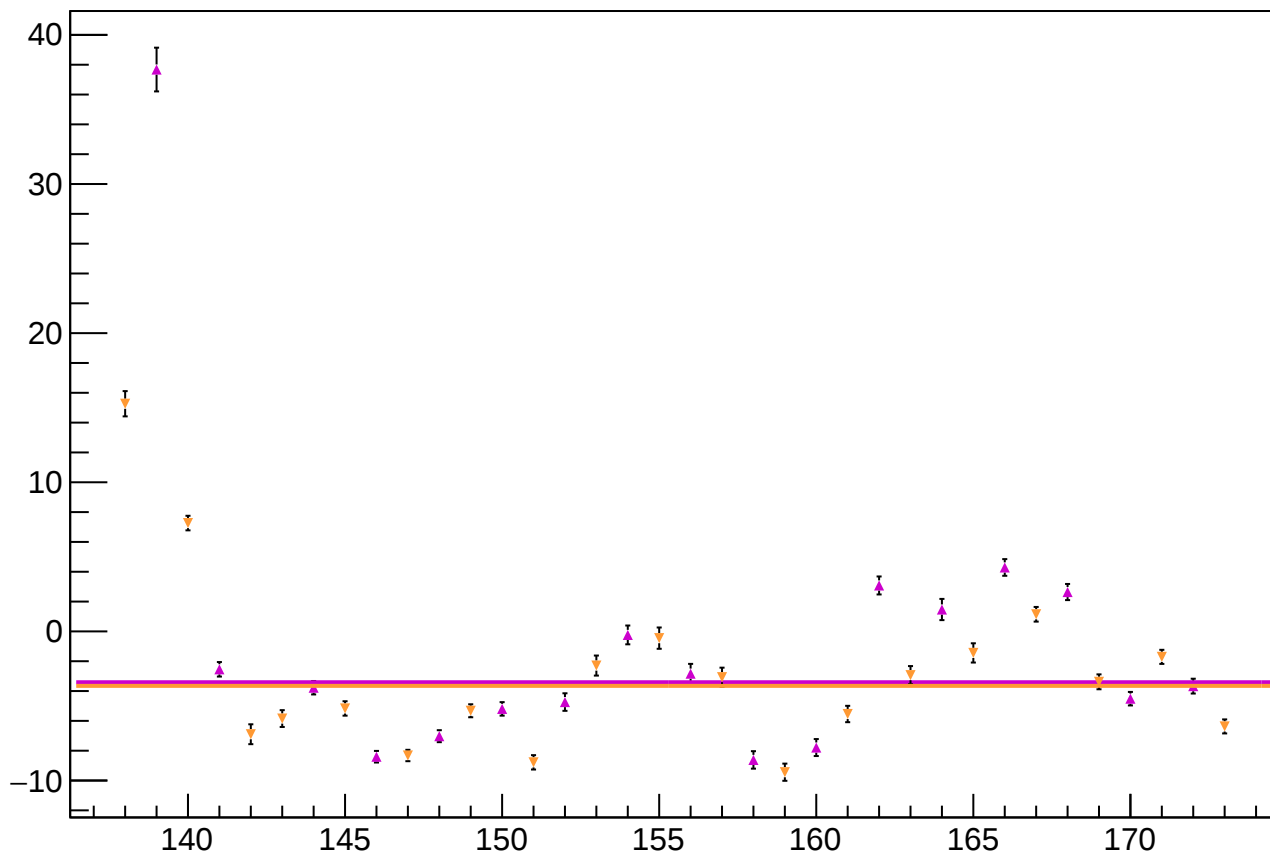
Left In: -14.564+/-0.176 χ^2/NDF : 2951.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -14.729+/-0.122 χ^2/NDF : 6014.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -3.652 $\pm$ 0.122 χ^2 /NDF:1621.2/18

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

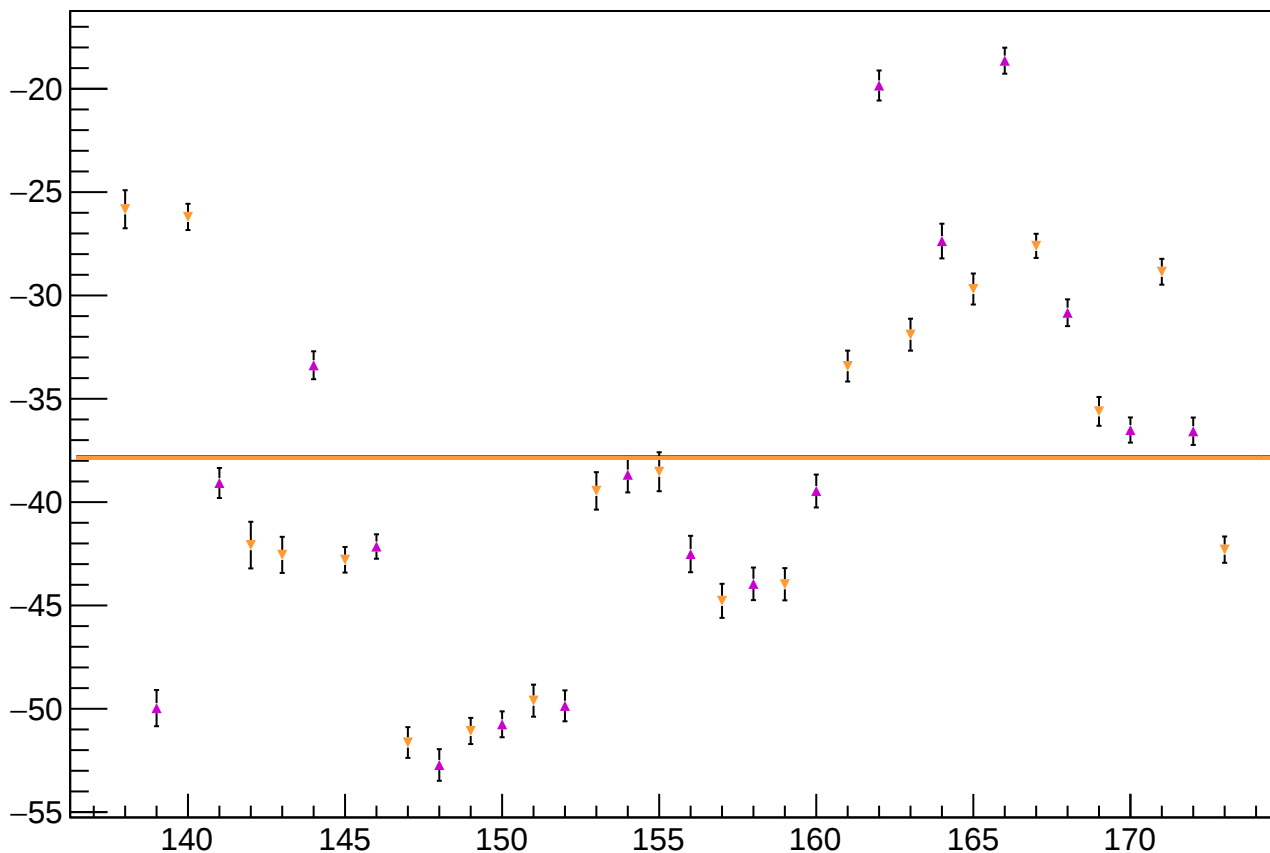
Left In: -3.409 $\pm$ 0.128 χ^2 /NDF:1702.8/16

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

All: -3.536 $\pm$ 0.088 χ^2 /NDF: 3325.9/35

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

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -37.865+/-0.169 χ^2/NDF : 2545.2/18

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

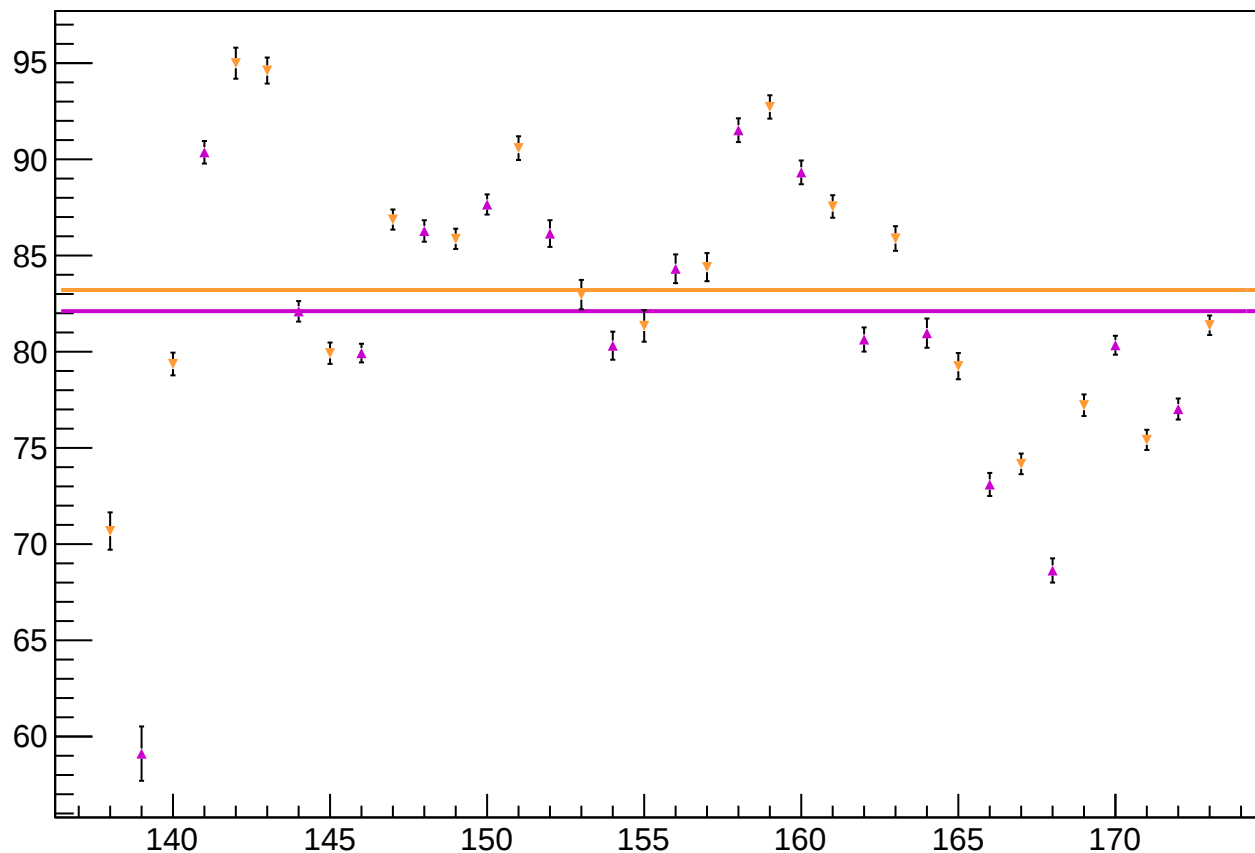
Left In: -37.822+/-0.173 χ^2/NDF : 3269.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -37.844+/-0.121 χ^2/NDF : 5814.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

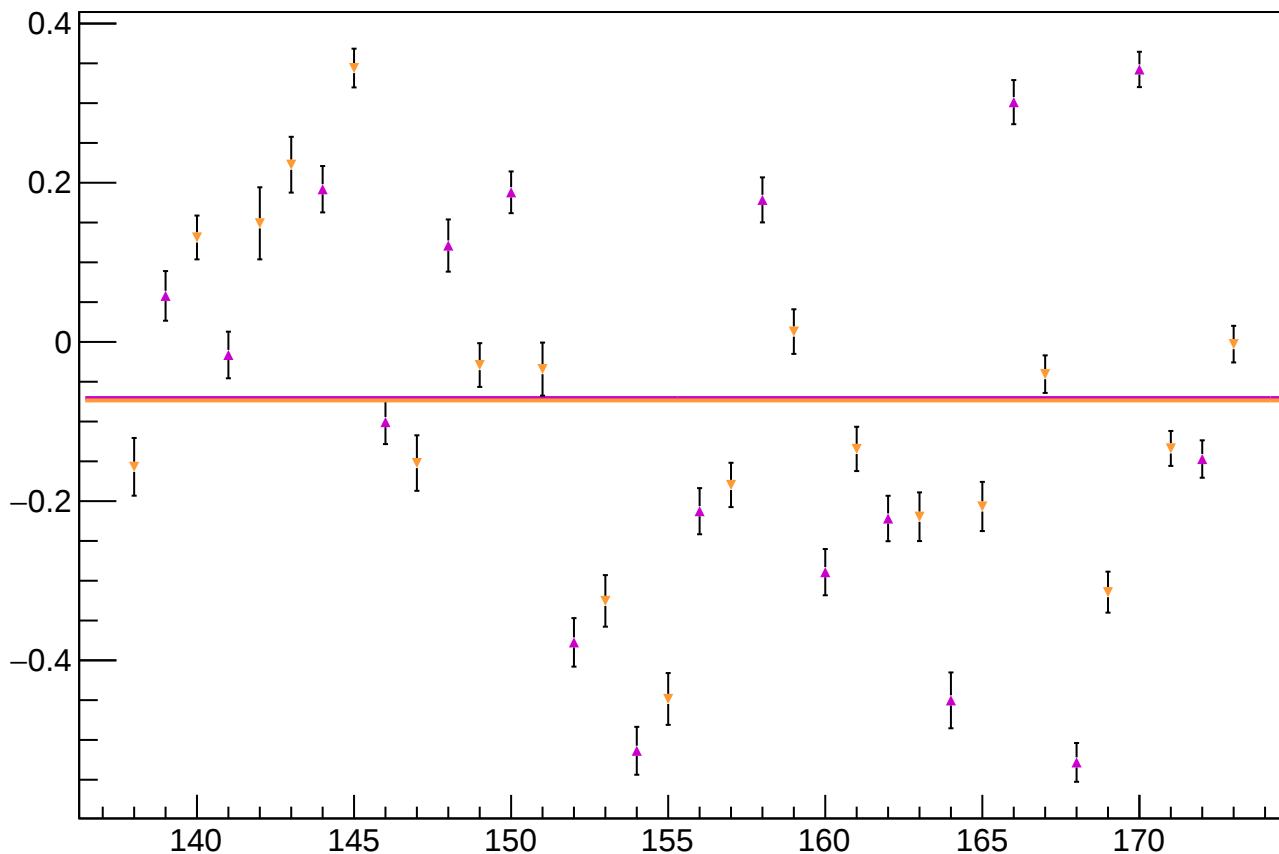
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 83.209+/-0.141 χ^2/NDF :1950.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 82.109+/-0.147 χ^2/NDF :1860.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 82.683+/-0.102 χ^2/NDF : 3840.0/35
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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

Left Out: -0.073 $\pm$ 0.007 χ^2 /NDF:829.6/18

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

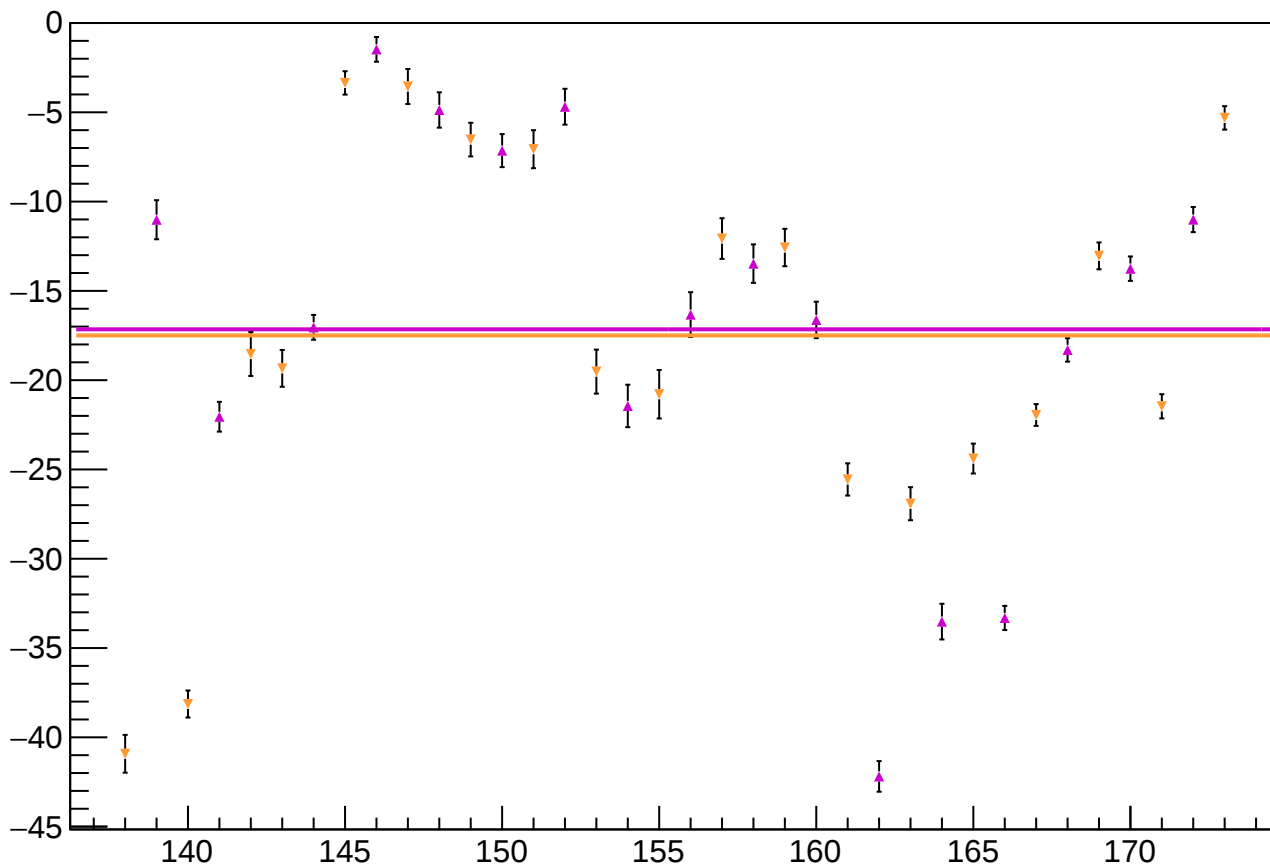
Left In: -0.071 $\pm$ 0.007 χ^2 /NDF:1744.7/16

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

All: -0.072 $\pm$ 0.005 χ^2 /NDF: 2574.4/35

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

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -17.494+/-0.199 χ^2/NDF : 2908.6/18

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

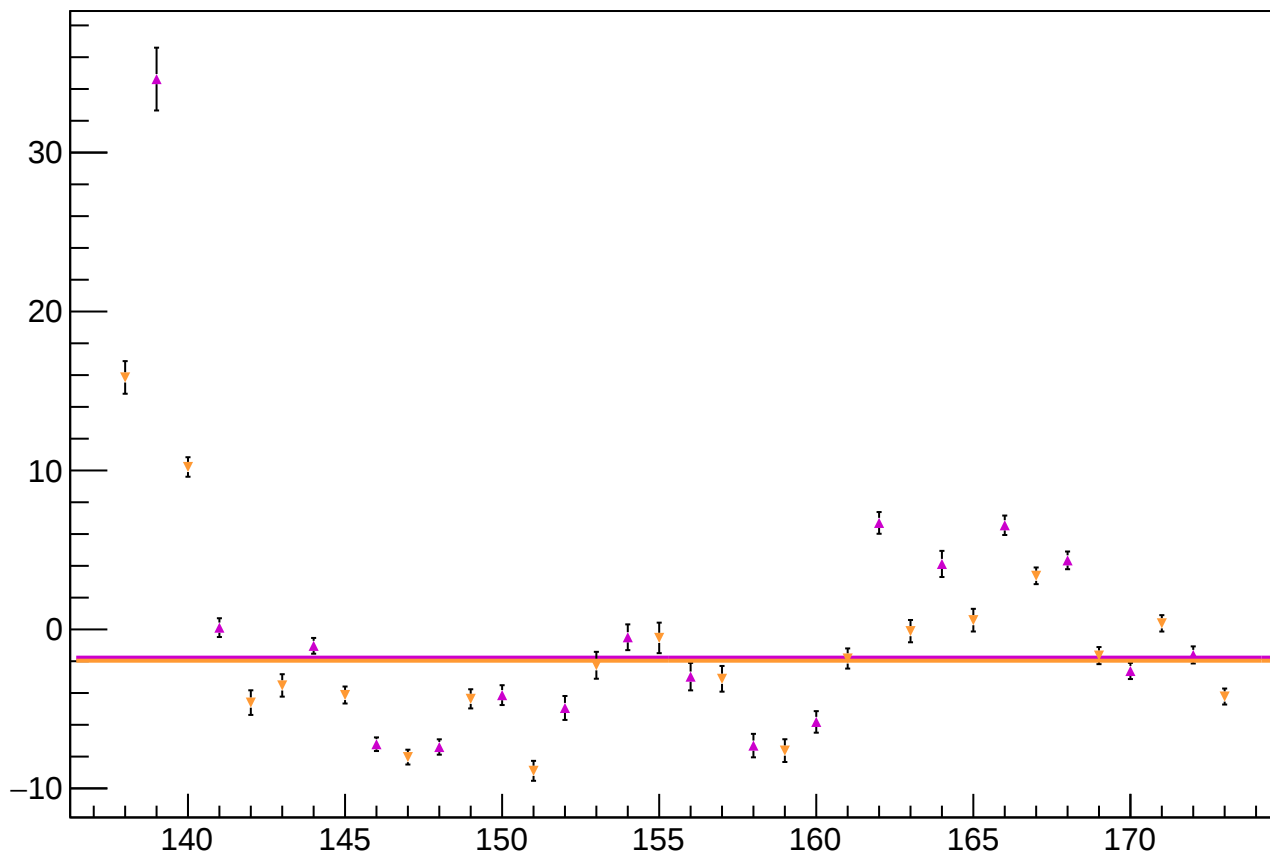
Left In: -17.152+/-0.205 χ^2/NDF : 2825.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.328+/-0.143 χ^2/NDF : 5735.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -1.967 $\pm$ 0.144 χ^2 /NDF:1265.5/18

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

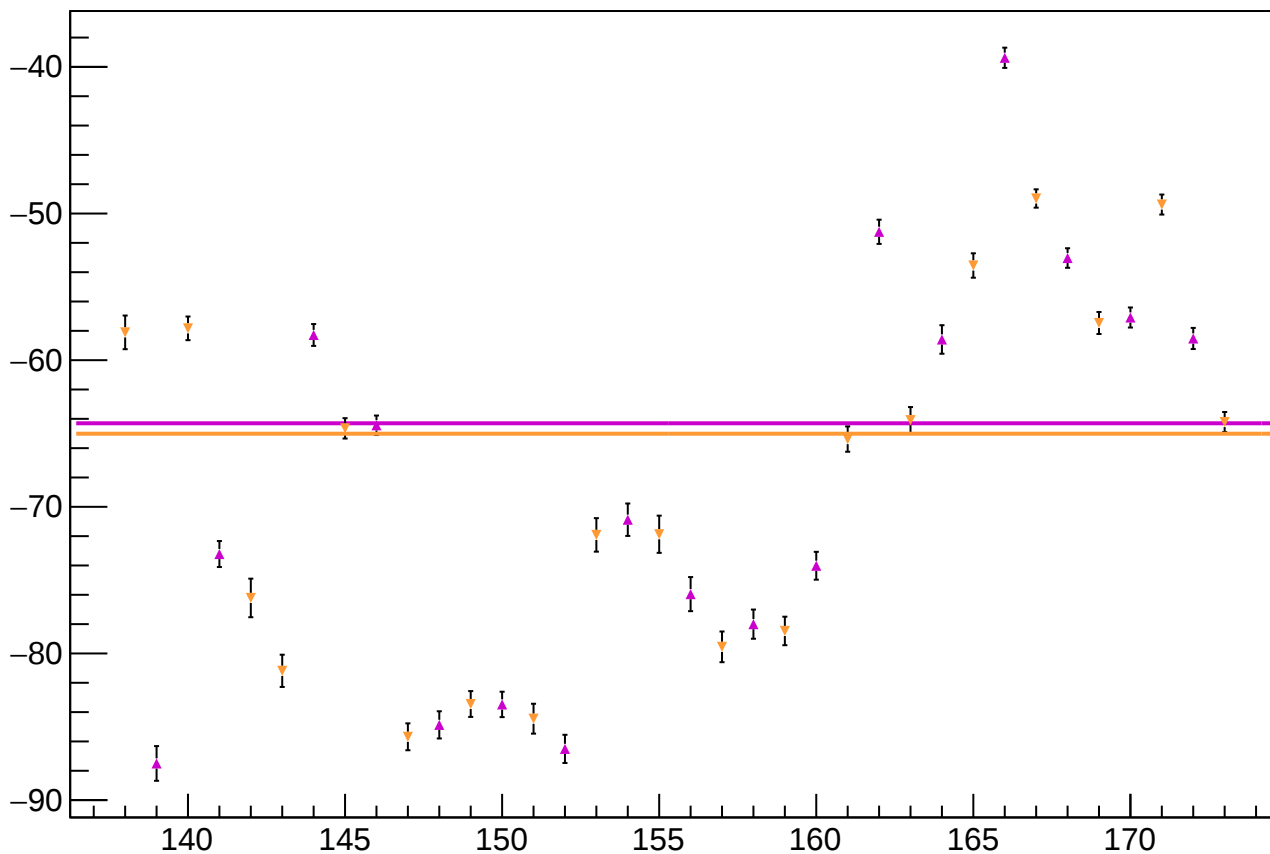
Left In: -1.775 $\pm$ 0.149 χ^2 /NDF:1290.9/16

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

All: -1.874 $\pm$ 0.104 χ^2 /NDF: 2557.3/35

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

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -65.014+/-0.199 χ^2/NDF : 3642.4/18

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

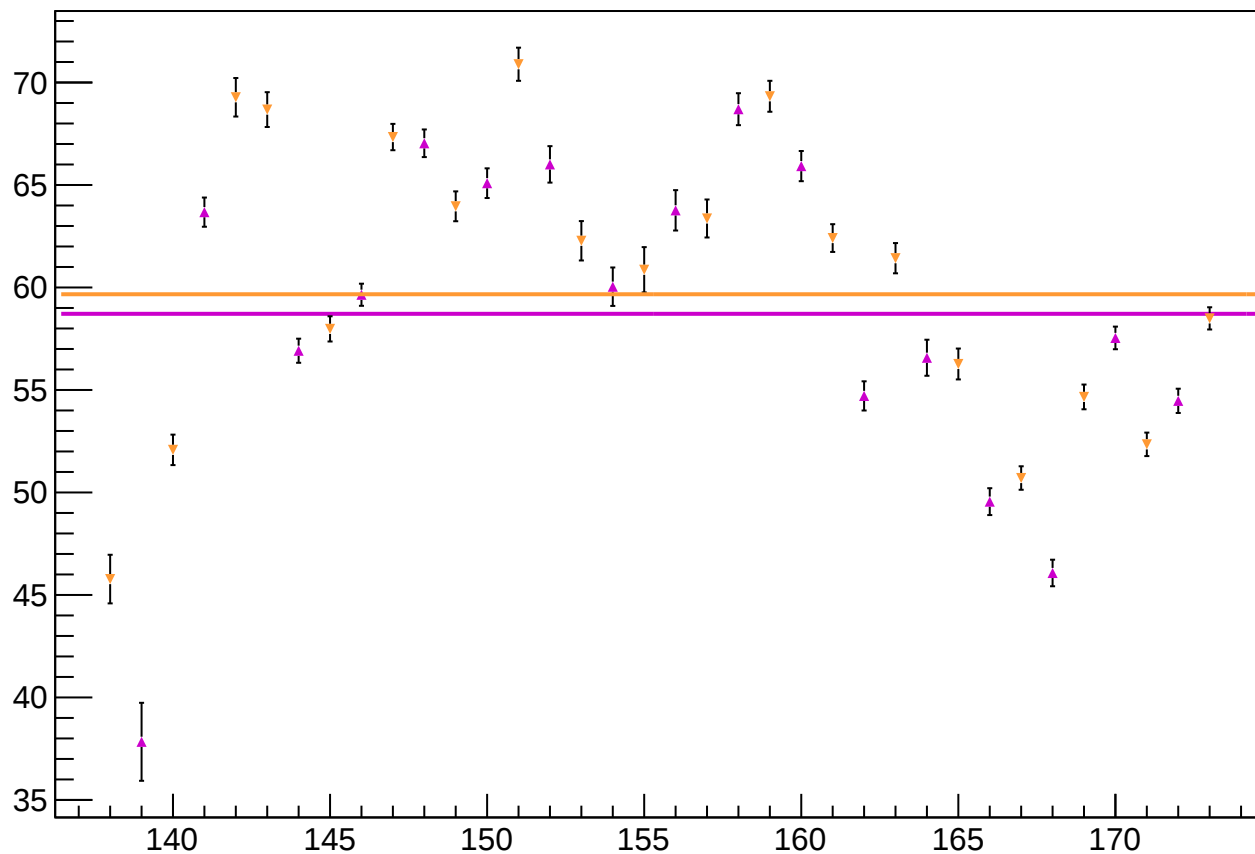
Left In: -64.303+/-0.203 χ^2/NDF : 4549.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -64.666+/-0.142 χ^2/NDF : 8198.3/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 59.670+/-0.166 χ^2/NDF :1548.7/18

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

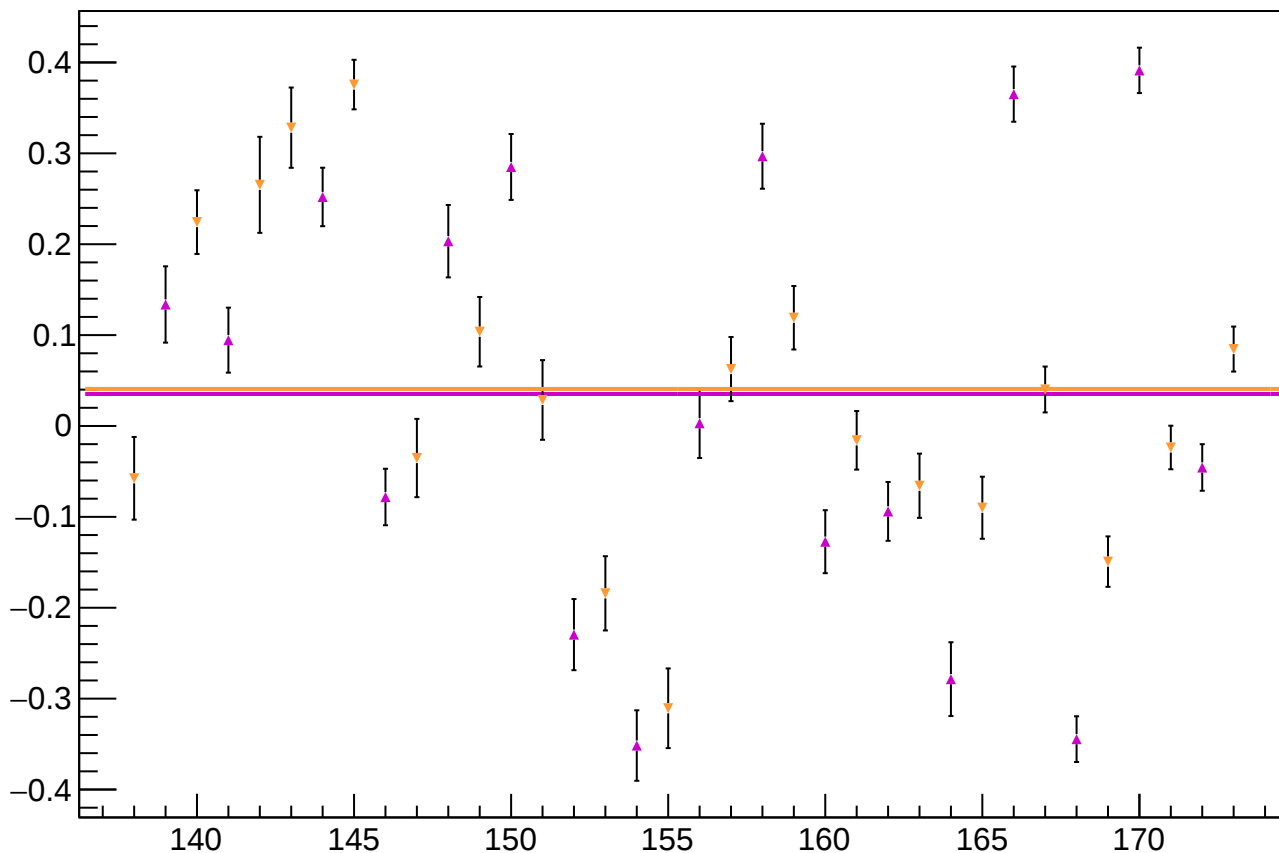
Left In: 58.715+/-0.172 χ^2/NDF :1436.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 59.211+/-0.119 χ^2/NDF : 3001.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.041 $\pm$ 0.008 χ^2 /NDF:433.5/18

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

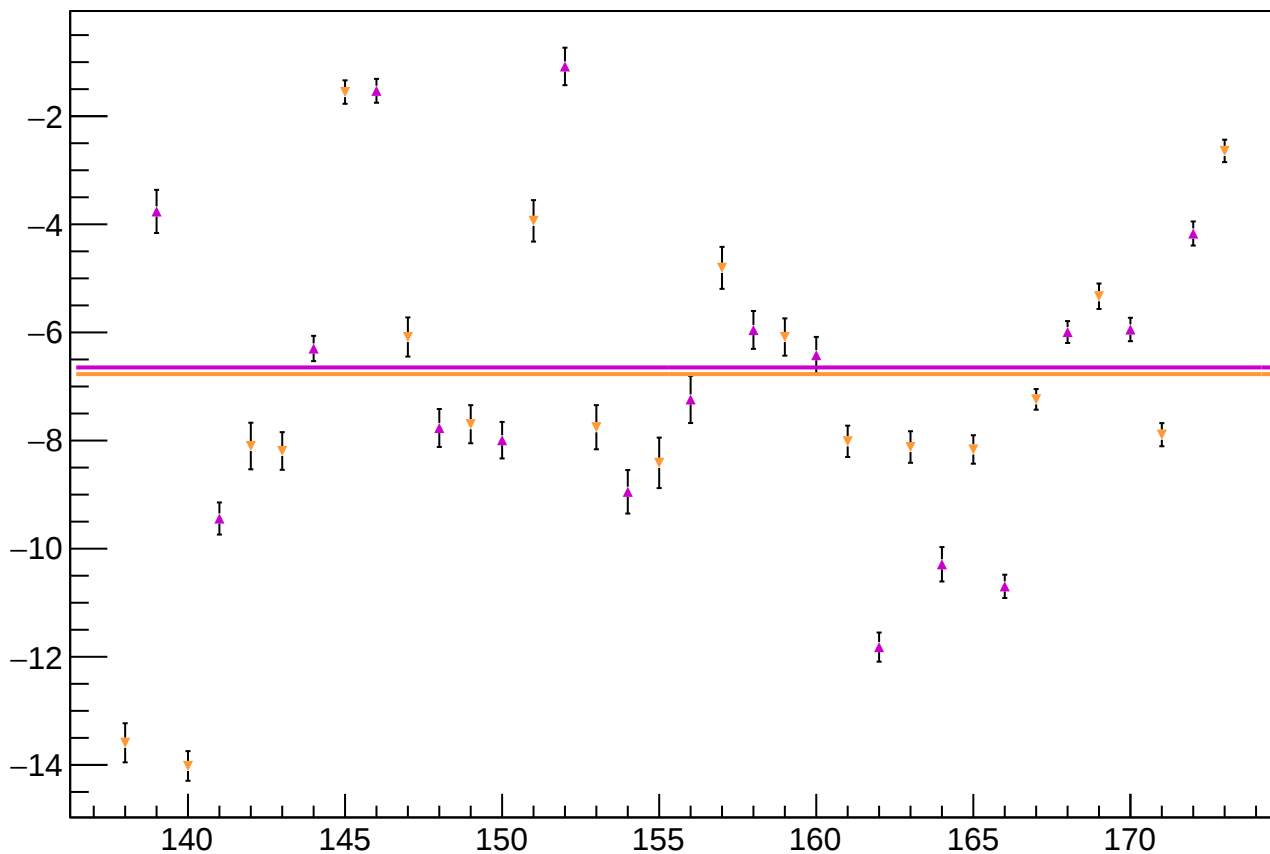
Left In: 0.035 $\pm$ 0.008 χ^2 /NDF:988.1/16

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

All: 0.038 $\pm$ 0.006 χ^2 /NDF: 1421.8/35

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

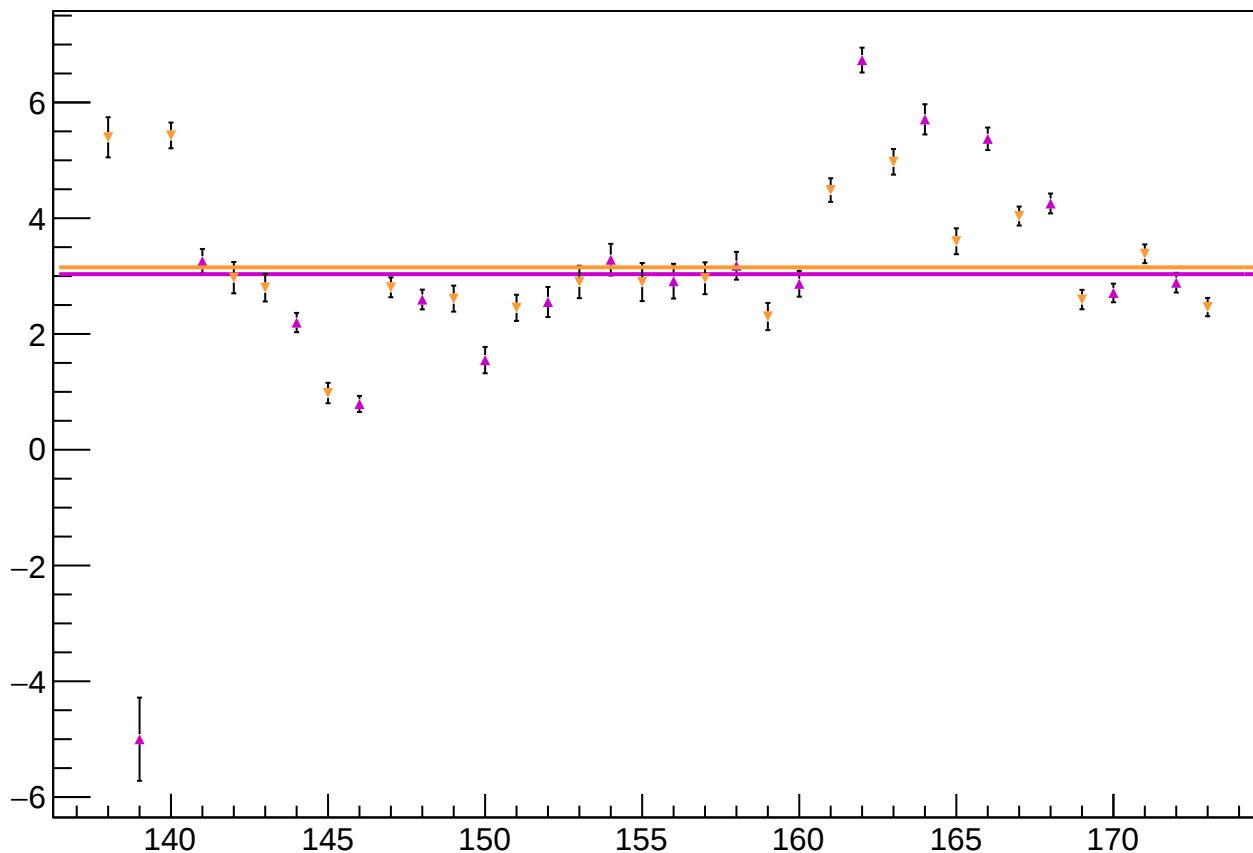
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.771+/-0.066 χ^2/NDF : 2304.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.648+/-0.067 χ^2/NDF : 1998.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -6.711+/-0.047 χ^2/NDF : 4304.3/35
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

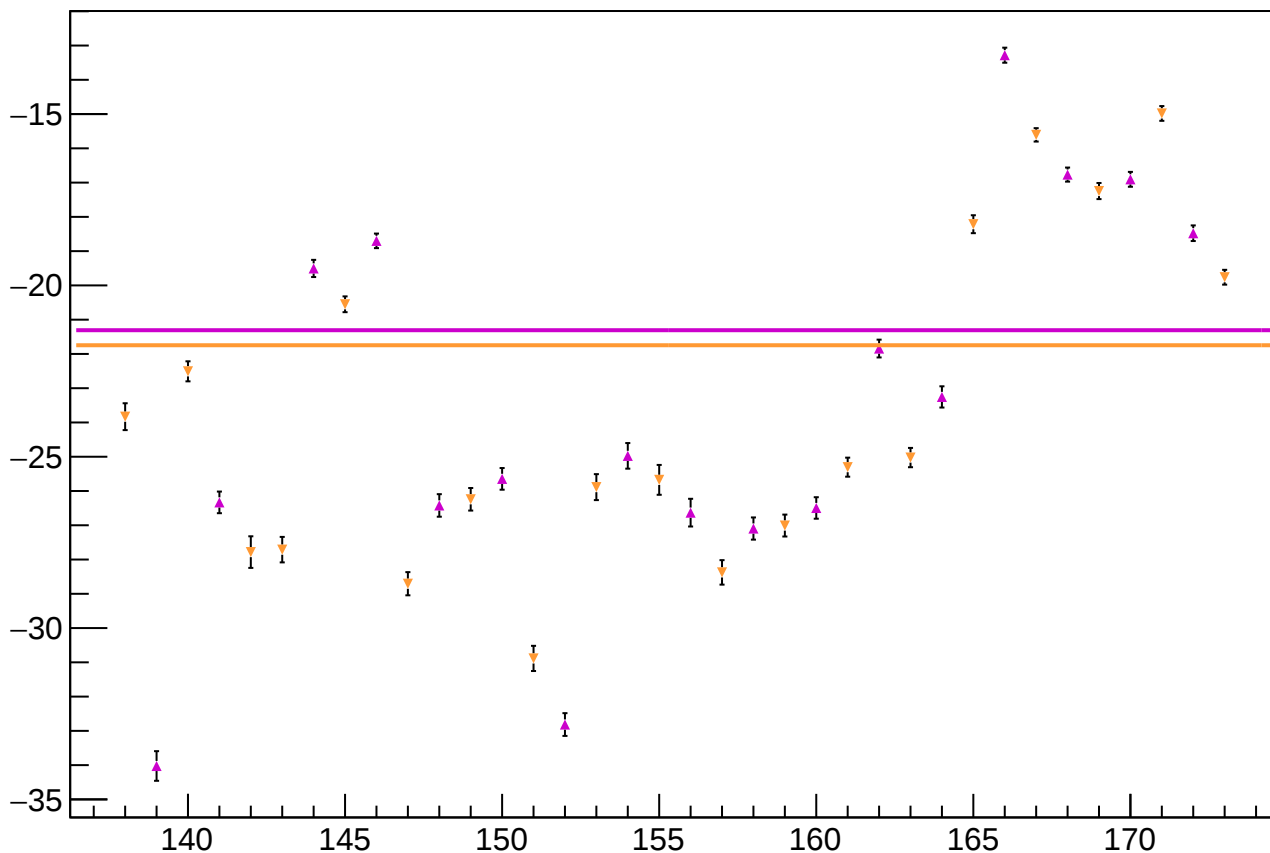
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.151 $\pm$ 0.048 χ^2 /NDF:511.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.033 $\pm$ 0.049 χ^2 /NDF:1065.7/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 3.094 $\pm$ 0.034 χ^2 /NDF: 1580.2/35
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -21.746+/-0.066 χ^2/NDF : 5437.5/18

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

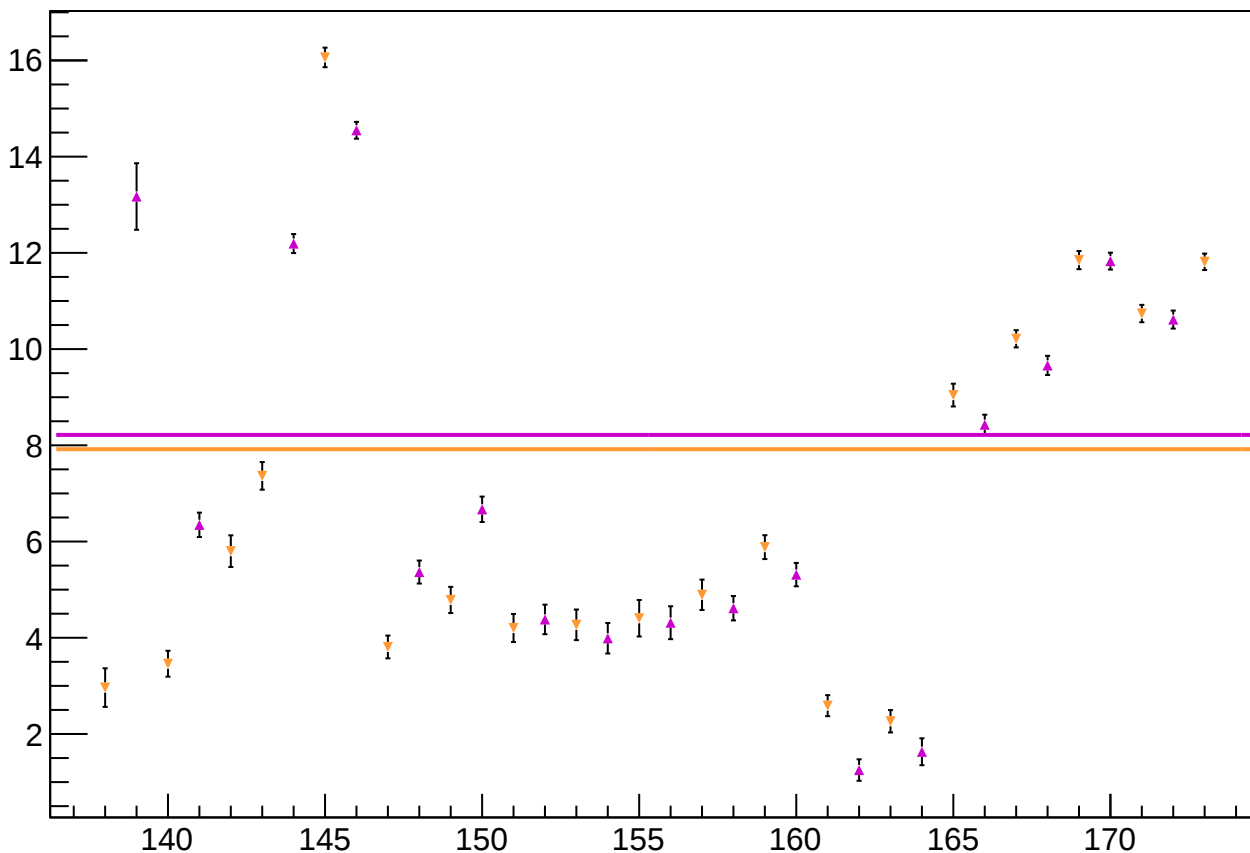
Left In: -21.308+/-0.067 χ^2/NDF : 6246.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.530+/-0.047 χ^2/NDF : 11706.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

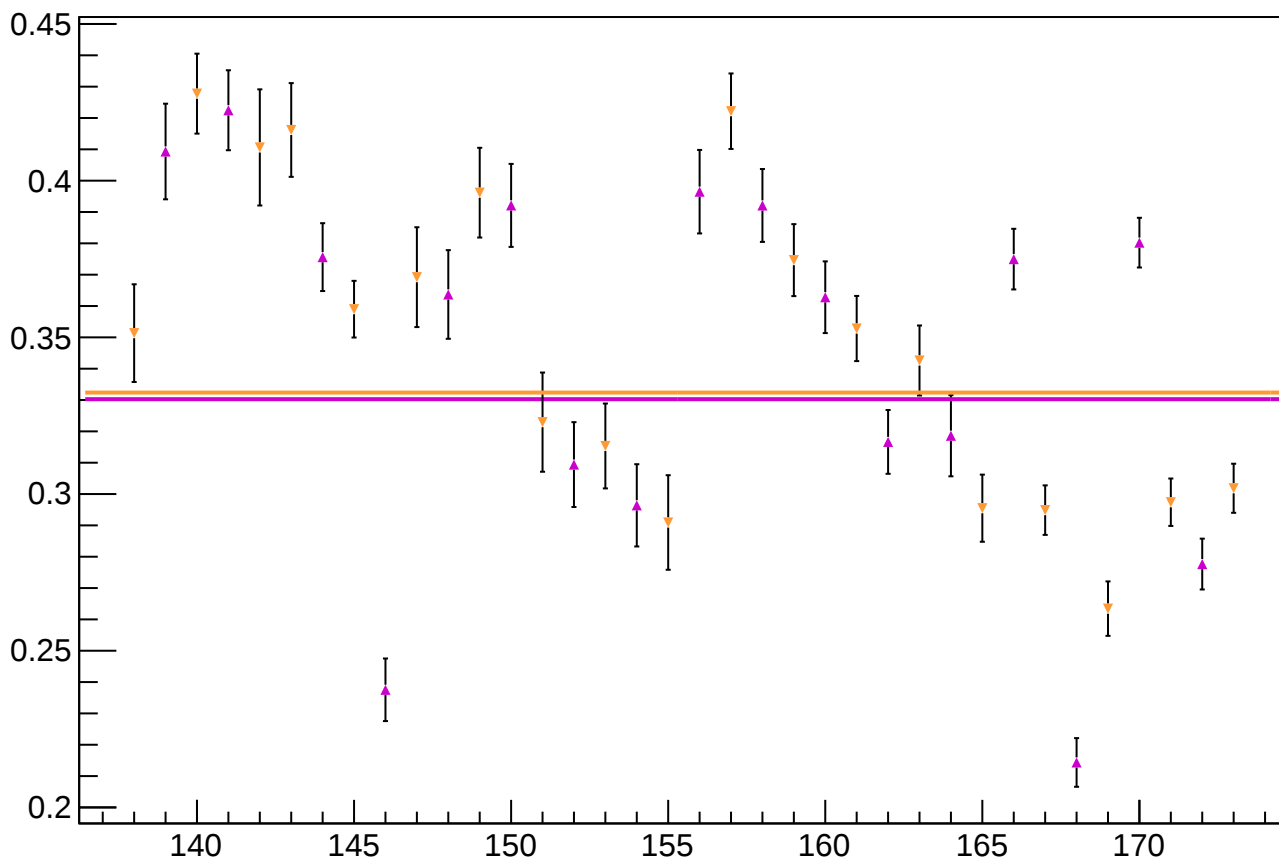
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.920 $\pm$ 0.055 χ^2 /NDF:5621.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 8.216 $\pm$ 0.057 χ^2 /NDF:4974.7/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 8.063 $\pm$ 0.039 χ^2 /NDF: 10610.5/35
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.332 $\pm$ 0.003 χ^2 /NDF:357.7/18

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

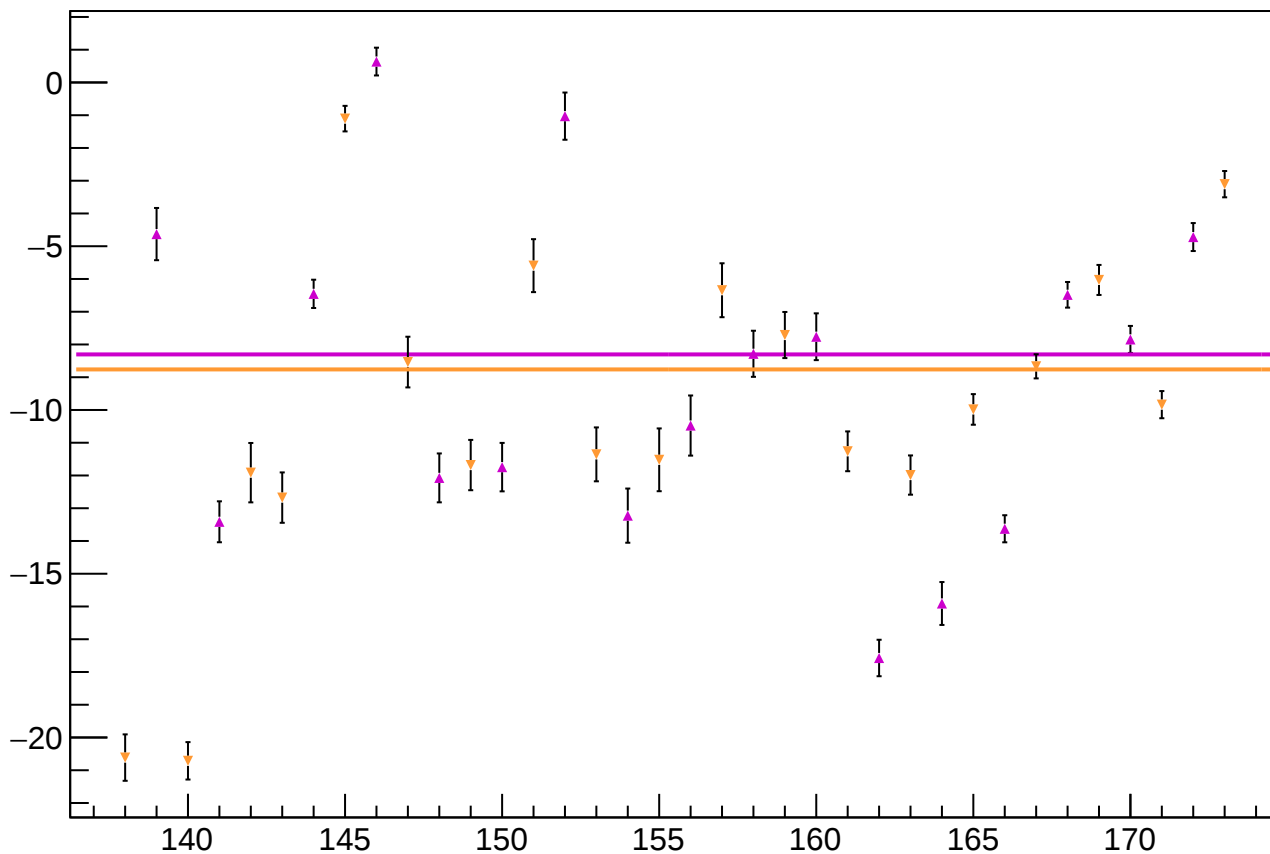
Left In: 0.330 $\pm$ 0.003 χ^2 /NDF:608.7/16

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

All: 0.331 $\pm$ 0.002 χ^2 /NDF: 966.7/35

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

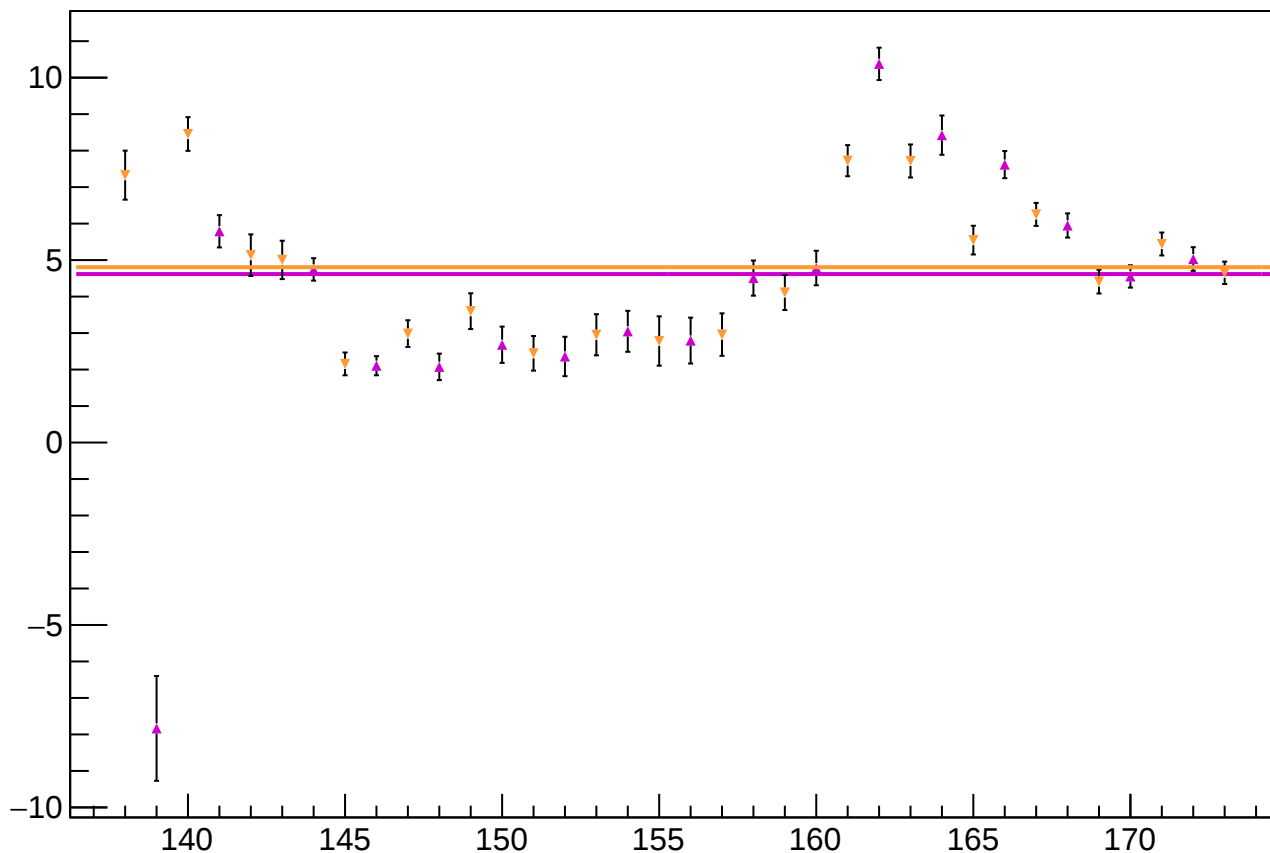
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -8.762 $\pm$ 0.129 χ^2/NDF : 1493.0/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -8.303 $\pm$ 0.133 χ^2/NDF : 1412.3/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 All: -8.539 $\pm$ 0.093 χ^2/NDF : 2911.4/35
 - sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

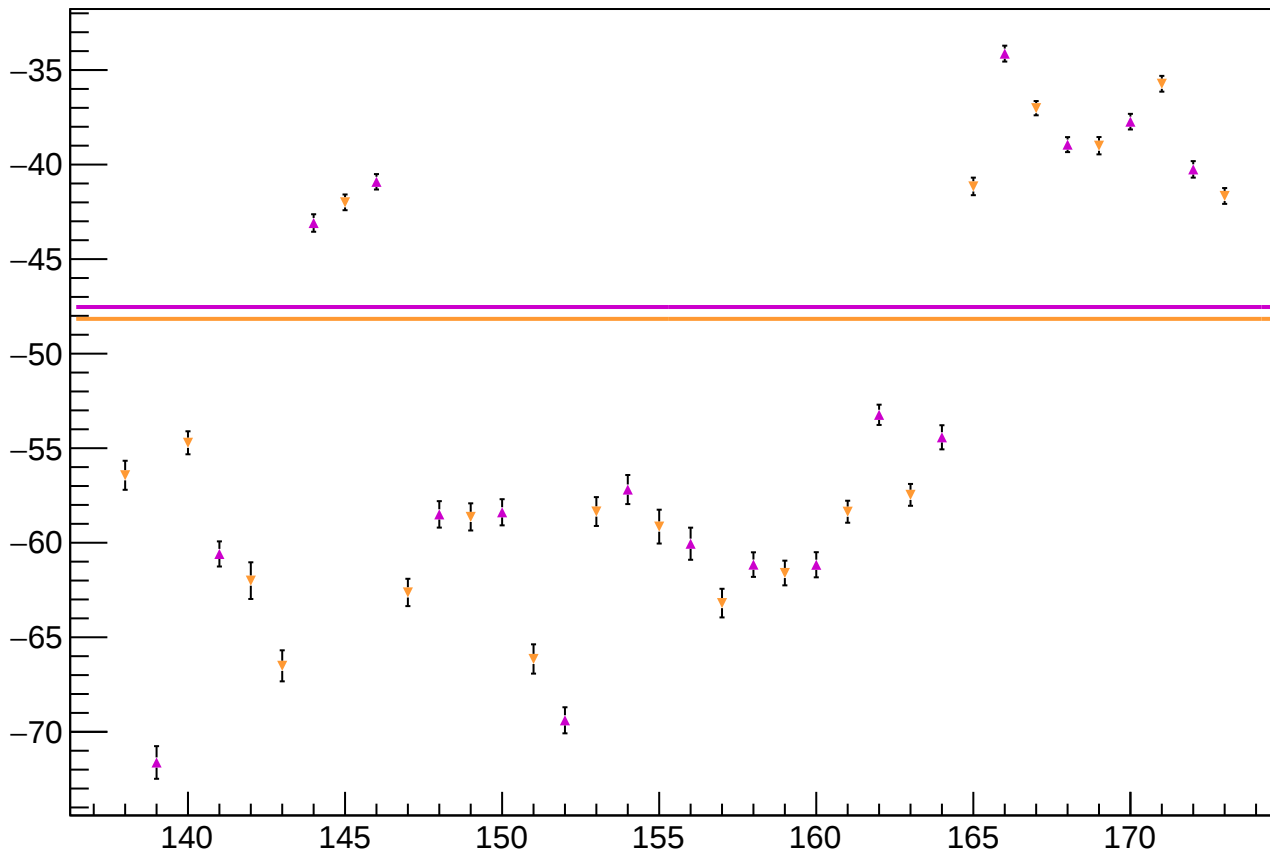
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 4.806 ± 0.096 χ^2/NDF : 354.9/18
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: 4.617 ± 0.097 χ^2/NDF : 574.5/16

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: 4.713 ± 0.068 χ^2/NDF : 931.4/35
 - sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -48.160+/-0.130 χ^2/NDF : 6649.8/18

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

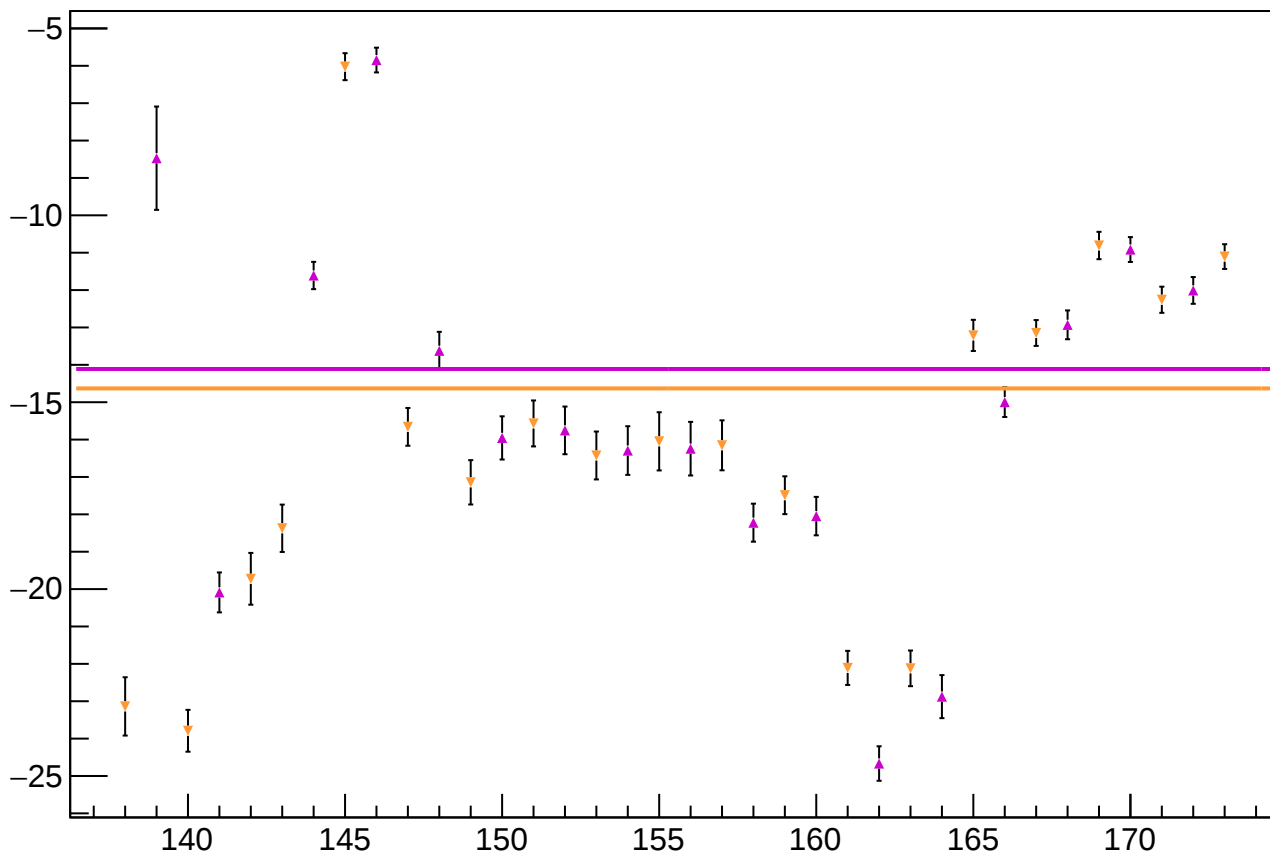
Left In: -47.533+/-0.132 χ^2/NDF : 6807.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -47.851+/-0.093 χ^2/NDF : 13468.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



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

Left Out: -14.631+/-0.109 χ^2/NDF : 1931.5/18

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

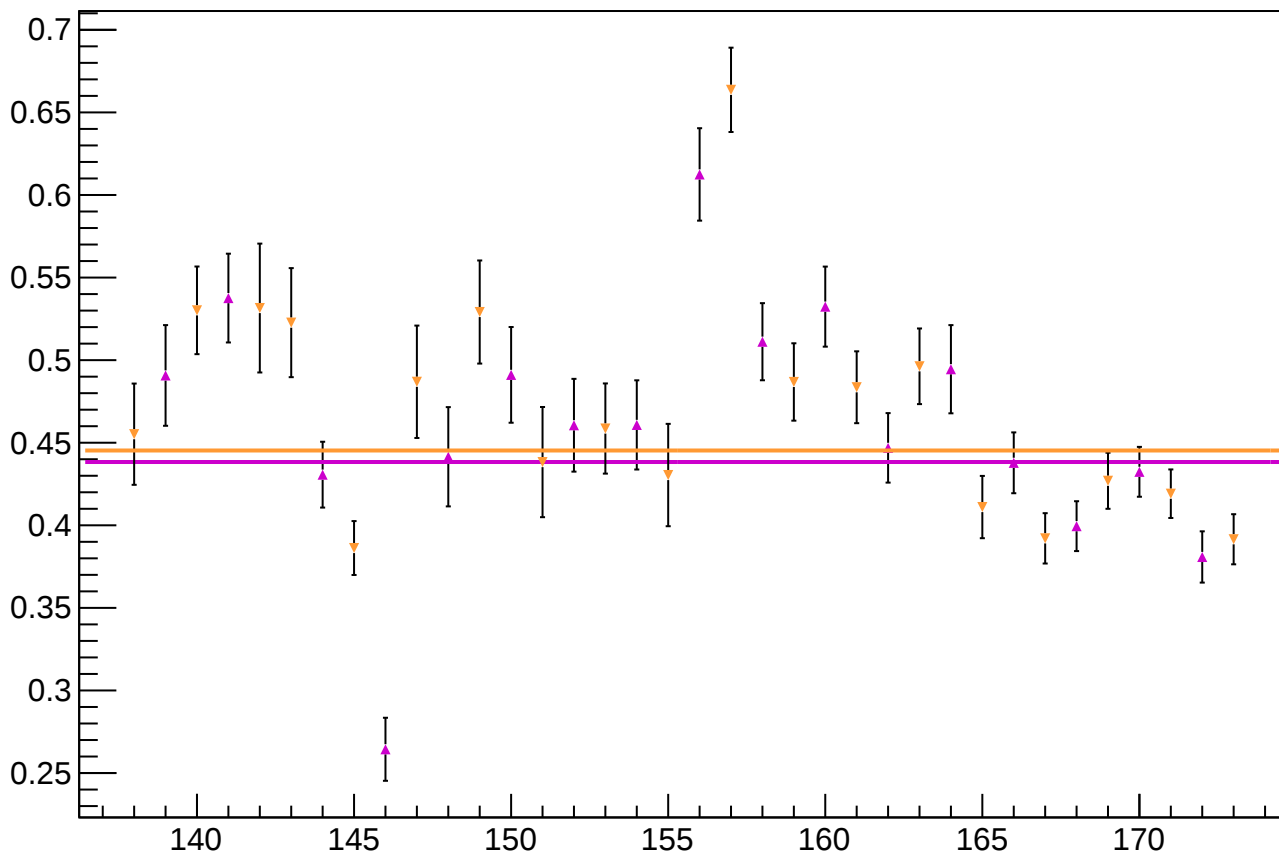
Left In: -14.111+/-0.112 χ^2/NDF : 1868.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -14.380+/-0.078 χ^2/NDF : 3811.5/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

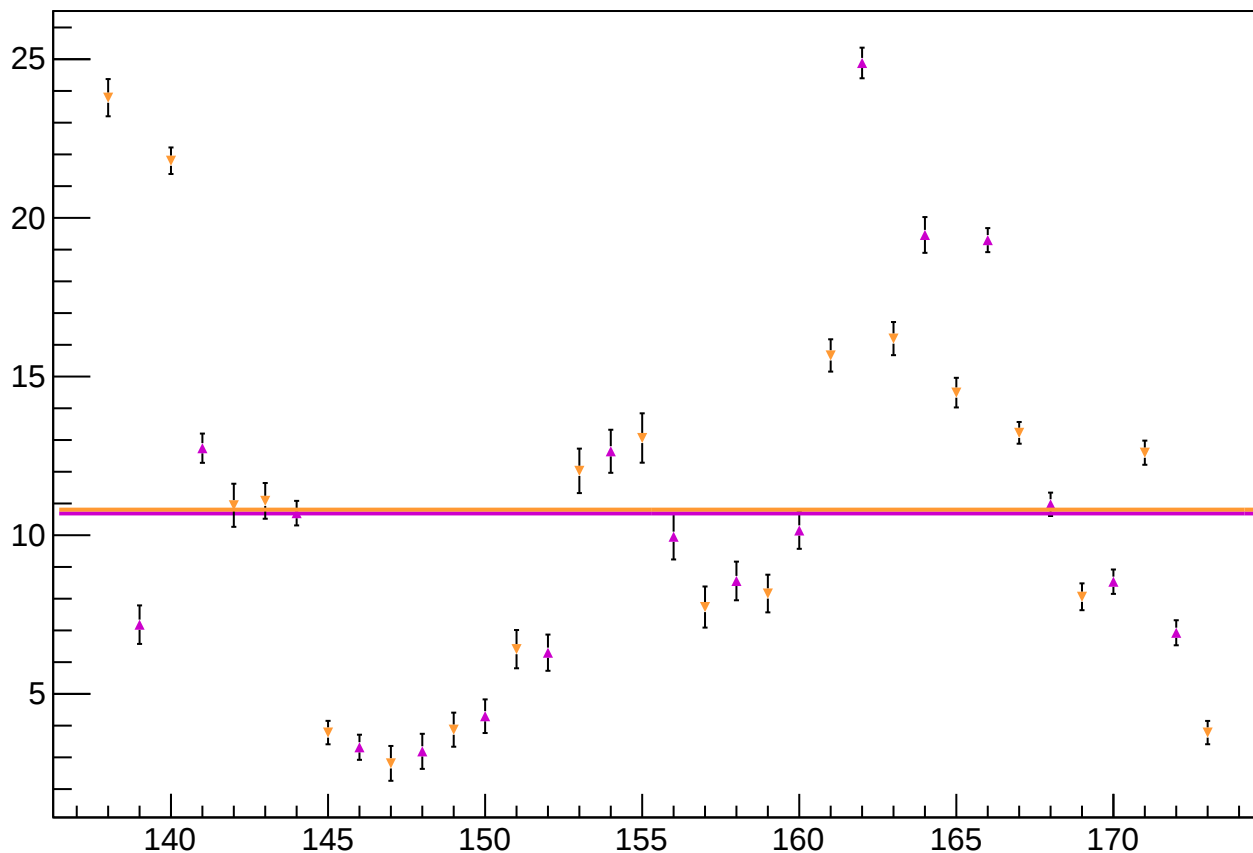
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.445 $\pm$ 0.005 χ^2 /NDF:159.8/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.438 $\pm$ 0.005 χ^2 /NDF:193.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.442 $\pm$ 0.004 χ^2 /NDF: 353.7/35
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 10.806 $\pm$ 0.112 χ^2 /NDF:2767.9/18

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

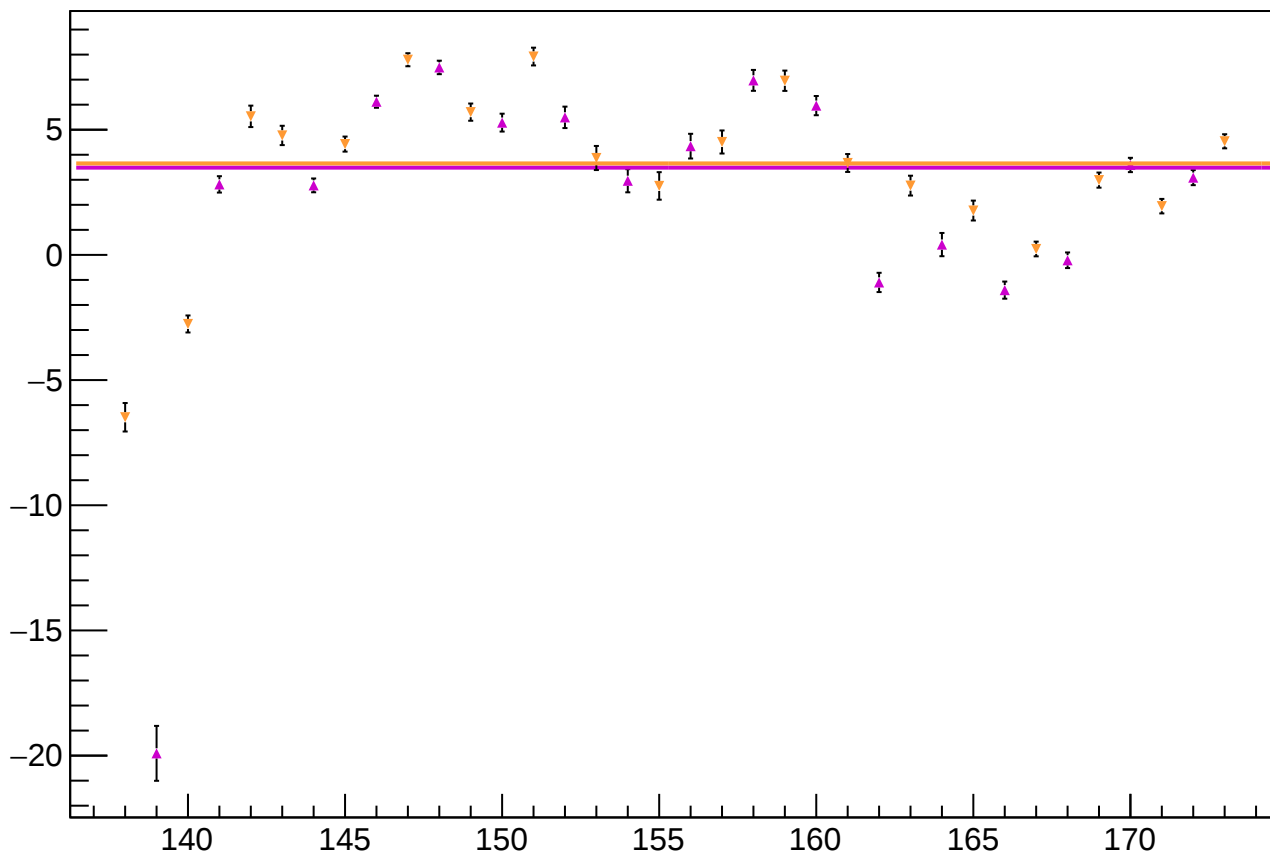
Left In: 10.686 $\pm$ 0.115 χ^2 /NDF:2559.7/16

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

All: 10.748 $\pm$ 0.080 χ^2 /NDF: 5328.2/35

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

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 3.654 $\pm$ 0.081 χ^2 /NDF:1425.4/18

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

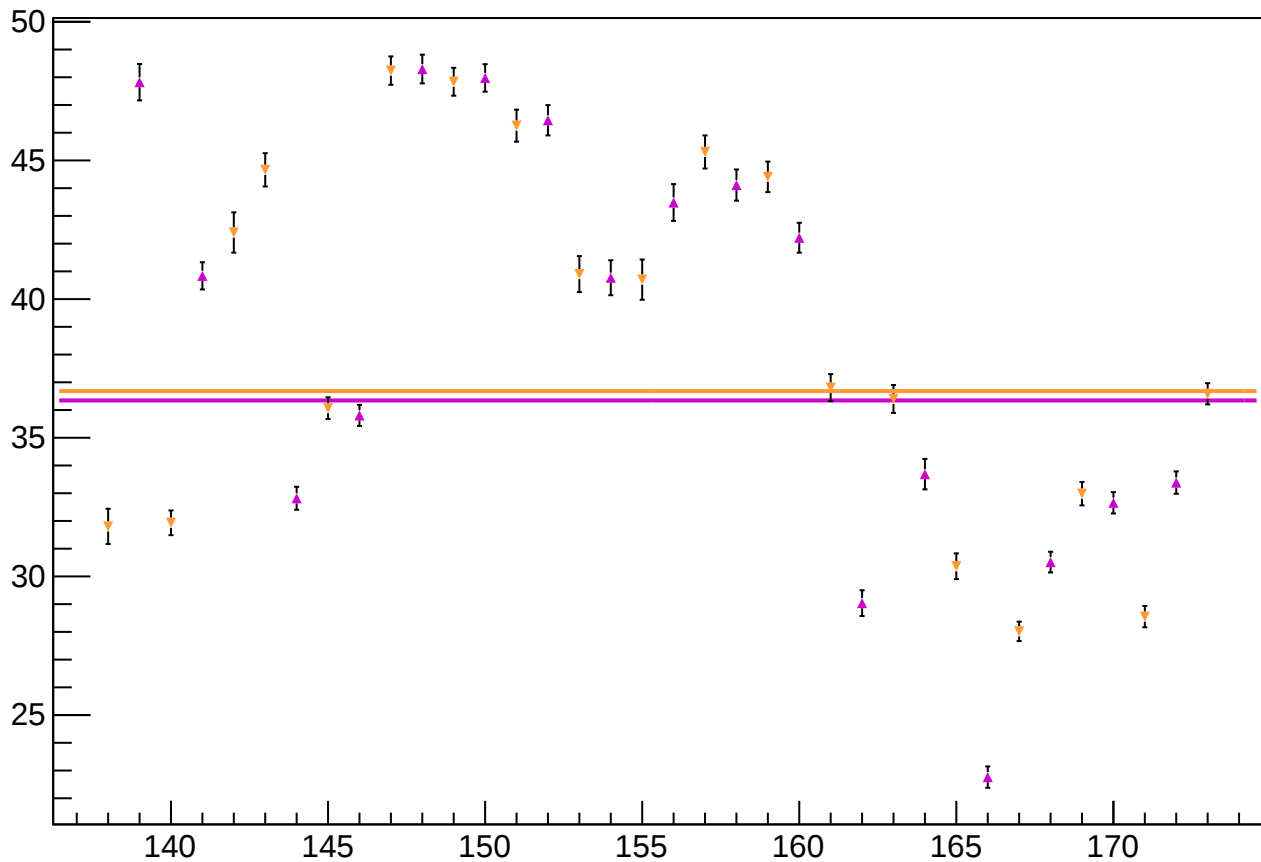
Left In: 3.485 $\pm$ 0.084 χ^2 /NDF:1501.8/16

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

All: 3.572 $\pm$ 0.058 χ^2 /NDF: 2929.2/35

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

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 36.683+/-0.112 χ^2/NDF : 3493.4/18

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

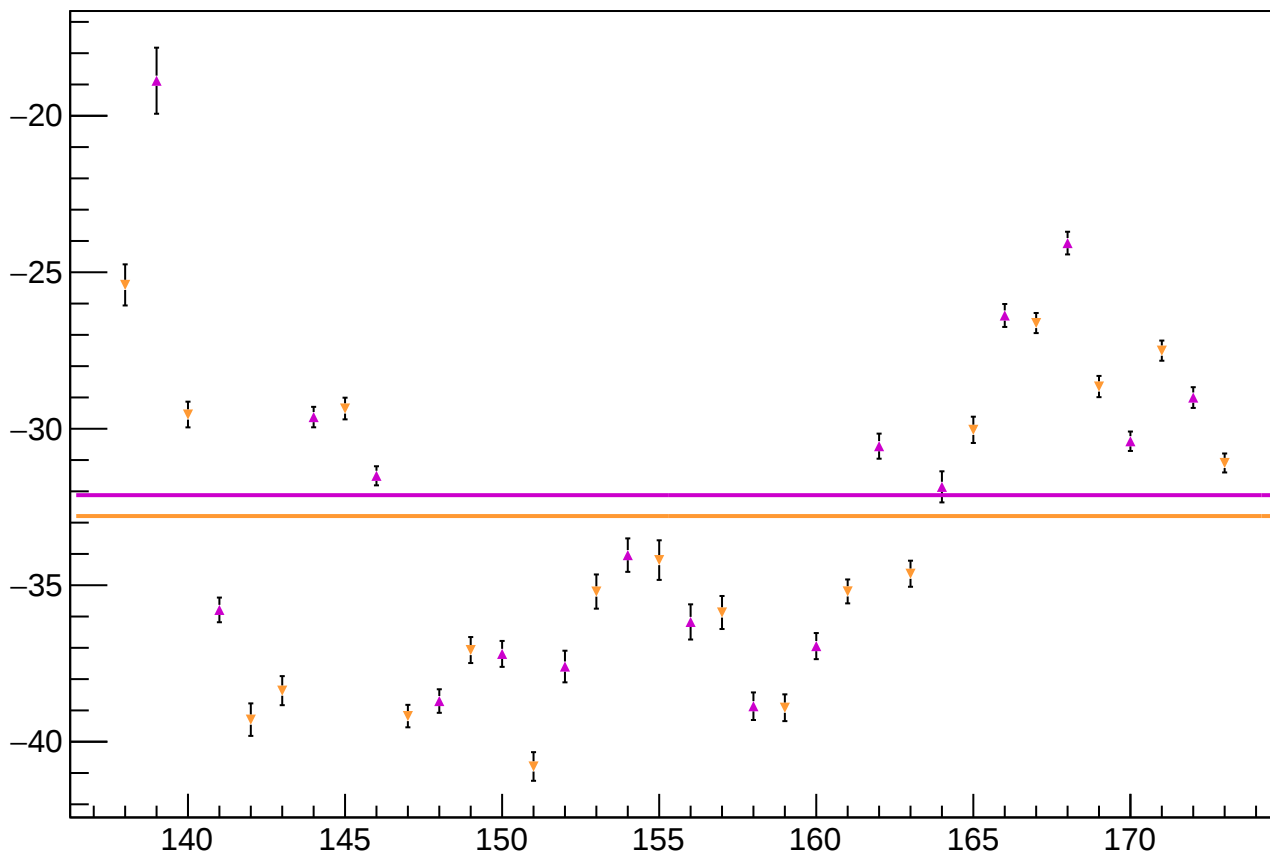
Left In: 36.346+/-0.114 χ^2/NDF : 4264.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 36.518+/-0.080 χ^2/NDF : 7762.2/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -32.790+/-0.093 χ^2/NDF : 2501.6/18

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

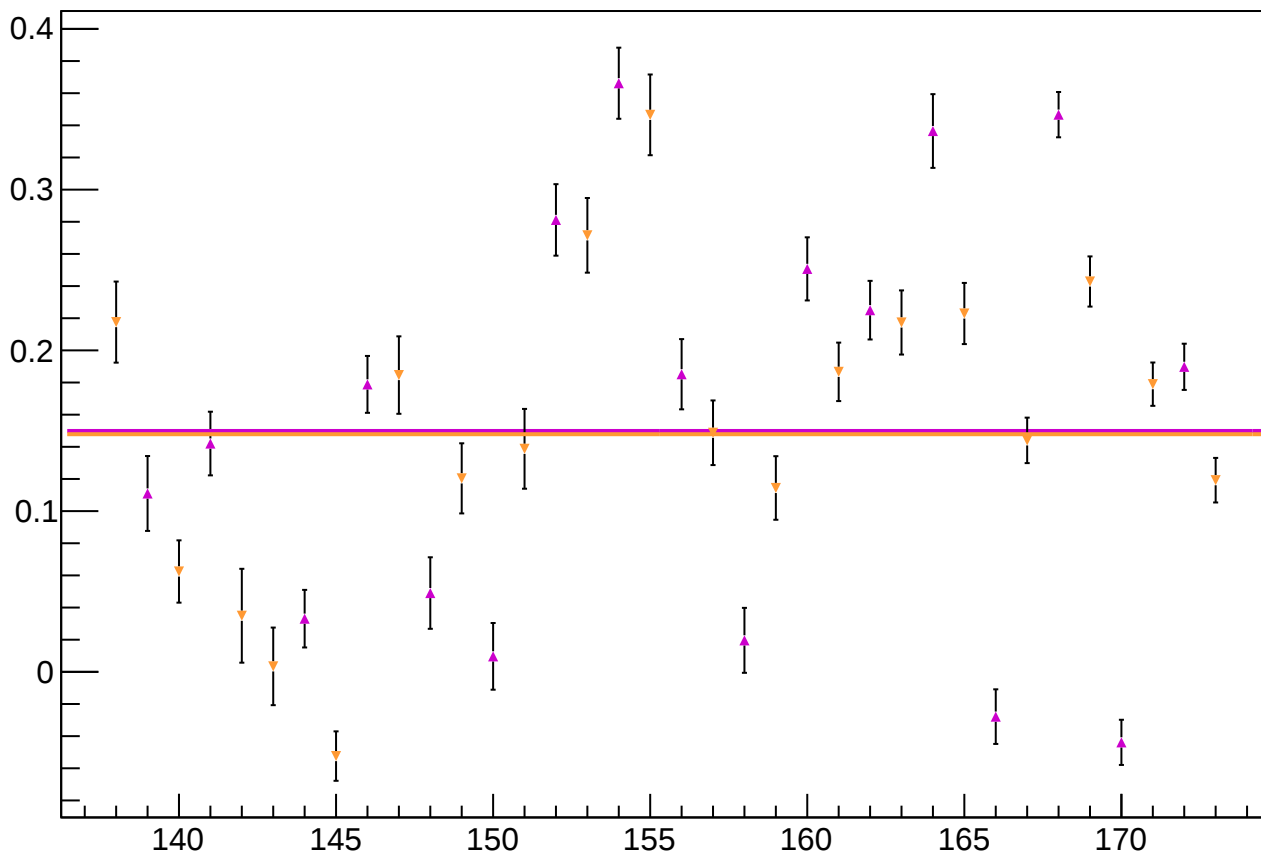
Left In: -32.122+/-0.097 χ^2/NDF : 2185.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.469+/-0.067 χ^2/NDF : 4711.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

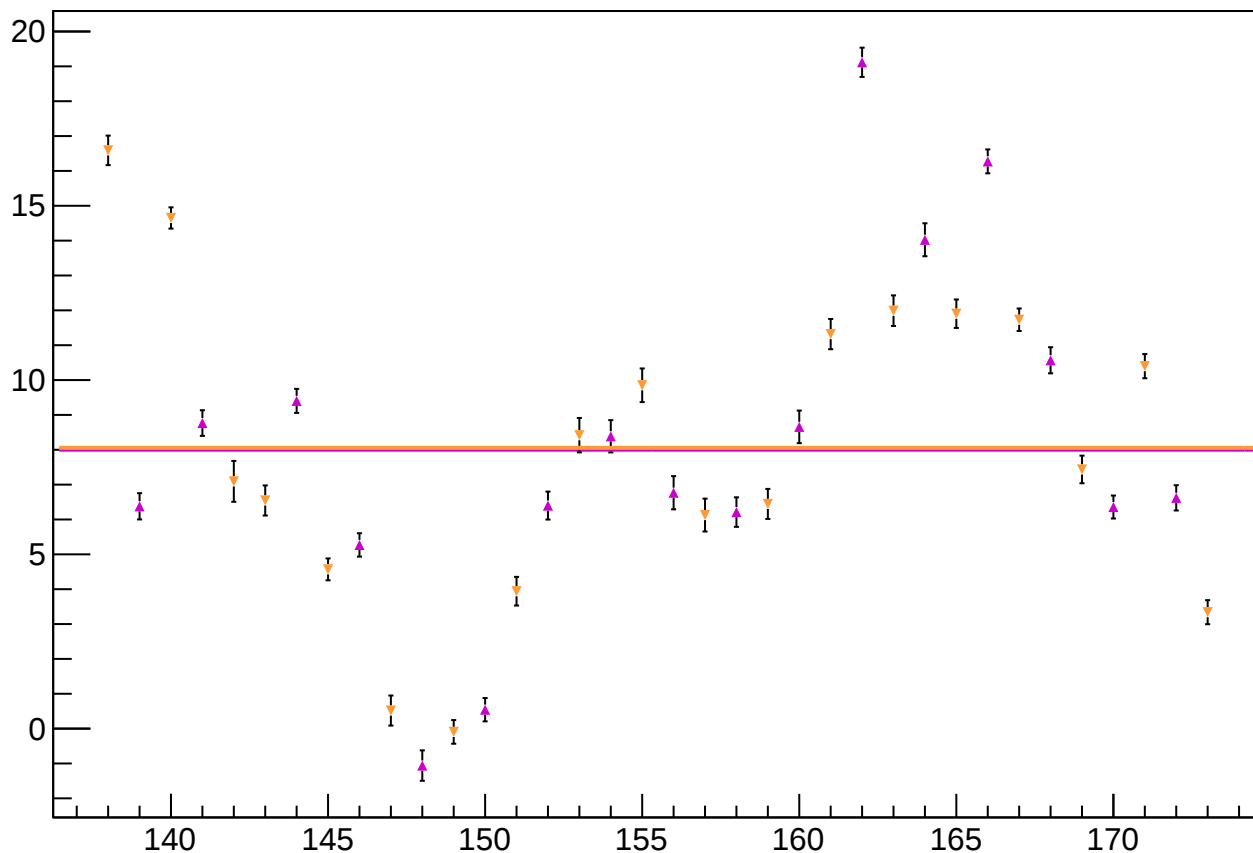
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.148+/-0.004 χ^2/NDF :424.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.150+/-0.004 χ^2/NDF :900.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.149+/-0.003 χ^2/NDF : 1324.9/35
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

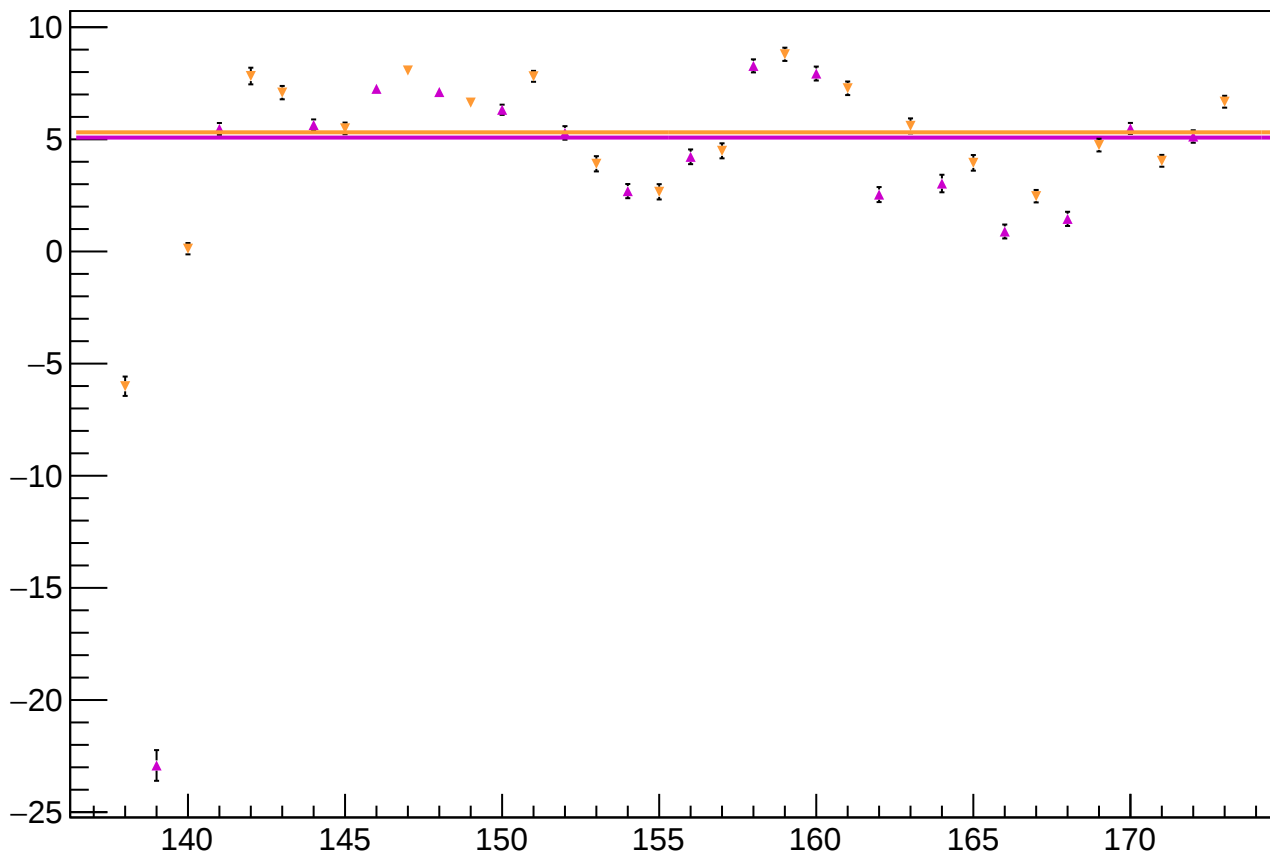
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.056+/-0.090 χ^2/NDF :2629.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.003+/-0.094 χ^2/NDF :2606.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 8.031+/-0.065 χ^2/NDF : 5236.2/35
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 5.313 $\pm$ 0.065 χ^2 /NDF:1947.9/18

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

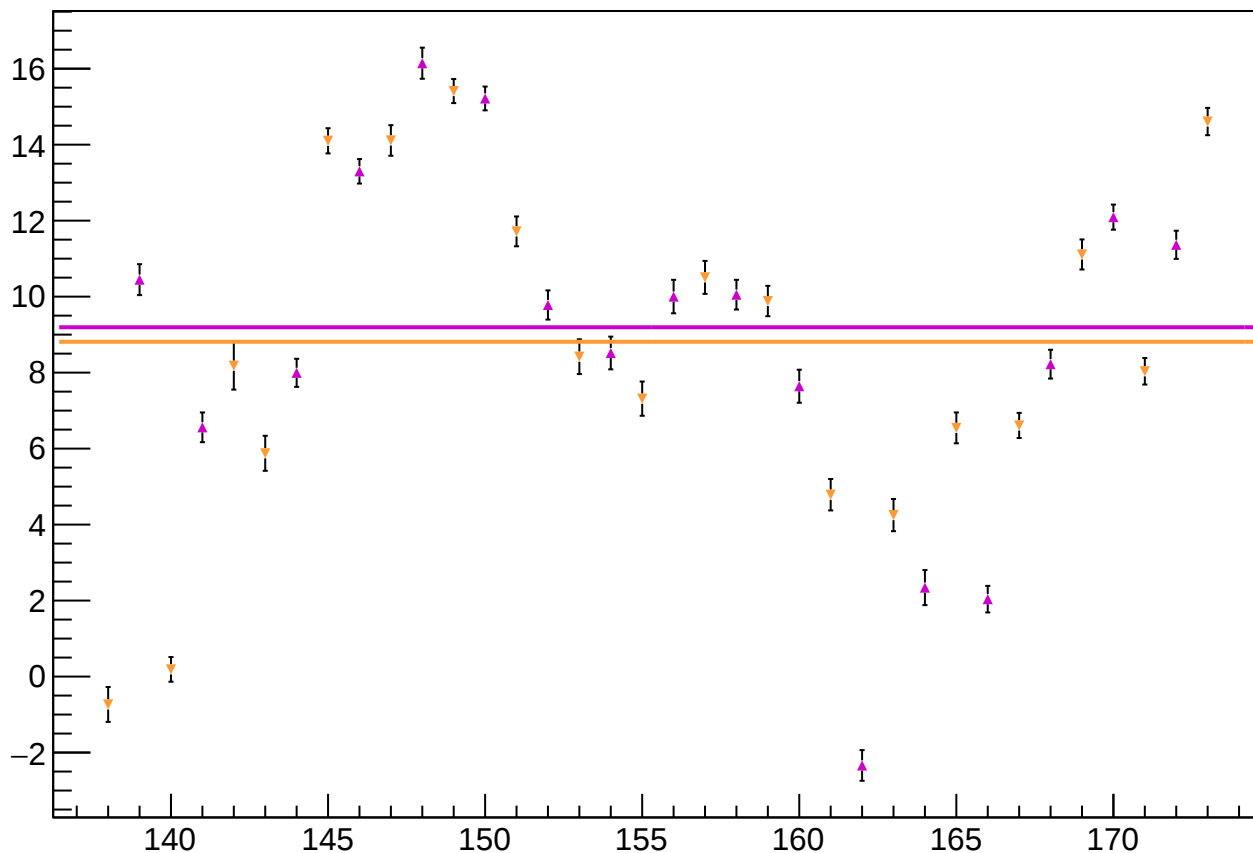
Left In: 5.078 $\pm$ 0.068 χ^2 /NDF:2572.1/16

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

All: 5.202 $\pm$ 0.047 χ^2 /NDF: 4526.2/35

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

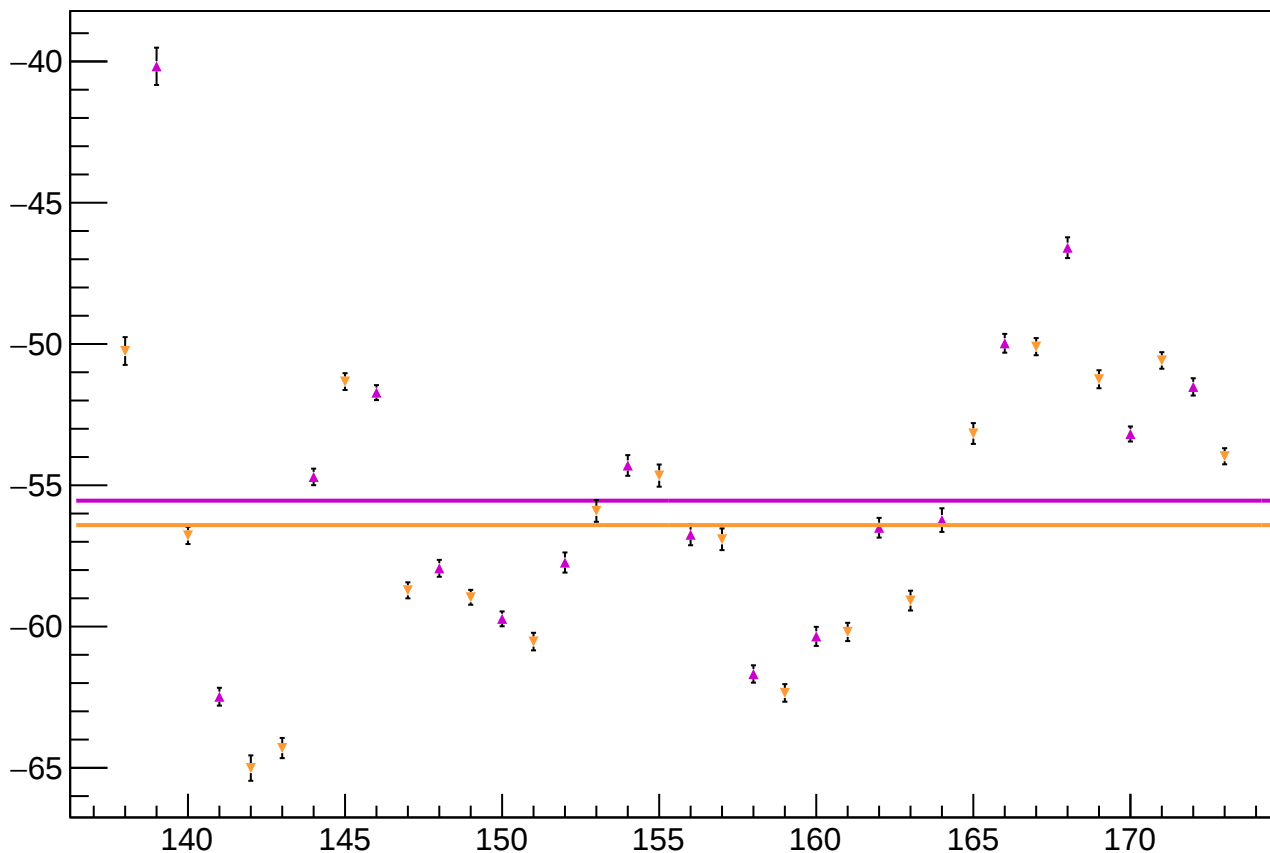
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.812+/-0.090 χ^2/NDF : 2710.8/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.194+/-0.092 χ^2/NDF : 2484.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 8.998+/-0.064 χ^2/NDF : 5204.4/35
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -56.409 ± 0.075 χ^2/NDF : 3463.2/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

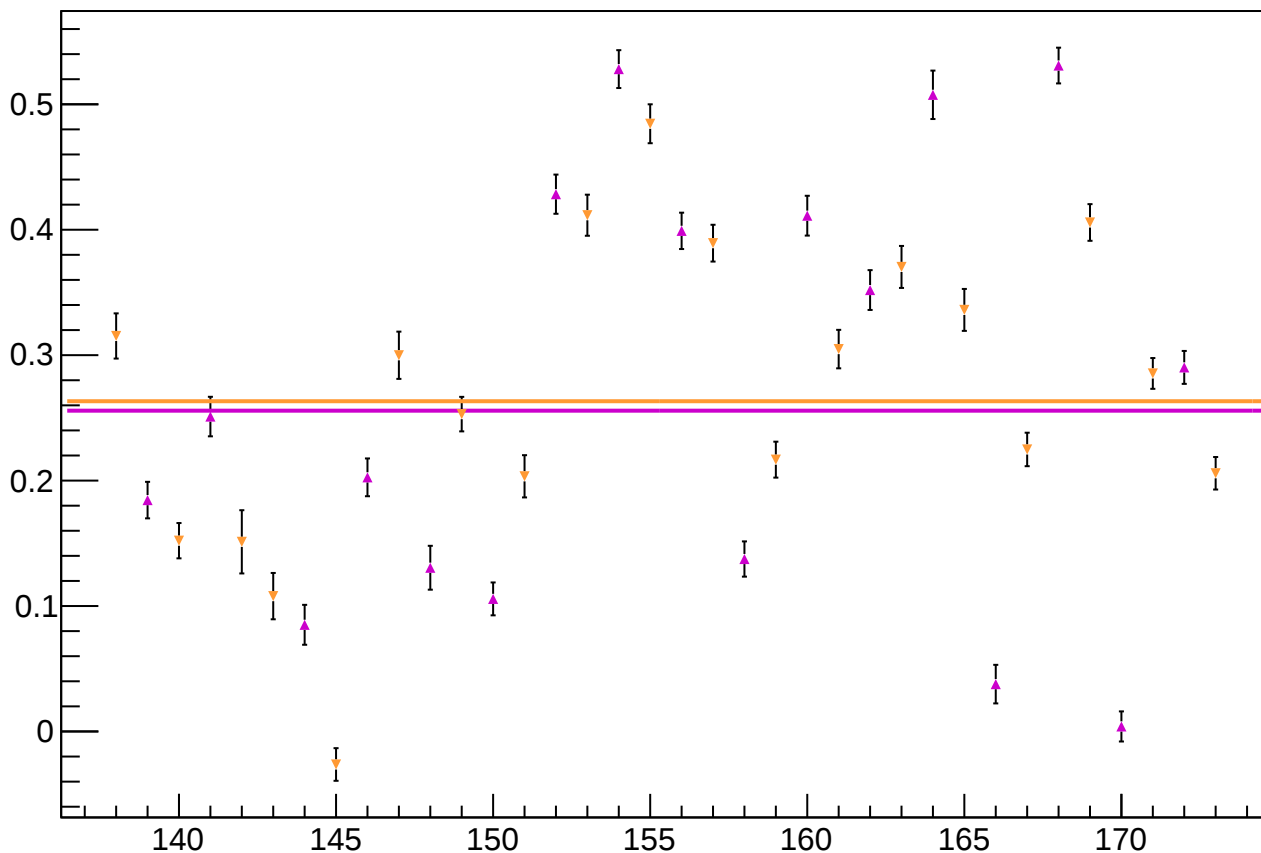
Left In: -55.544 ± 0.079 χ^2/NDF : 3354.1/16

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -55.996 ± 0.054 χ^2/NDF : 6880.1/35

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

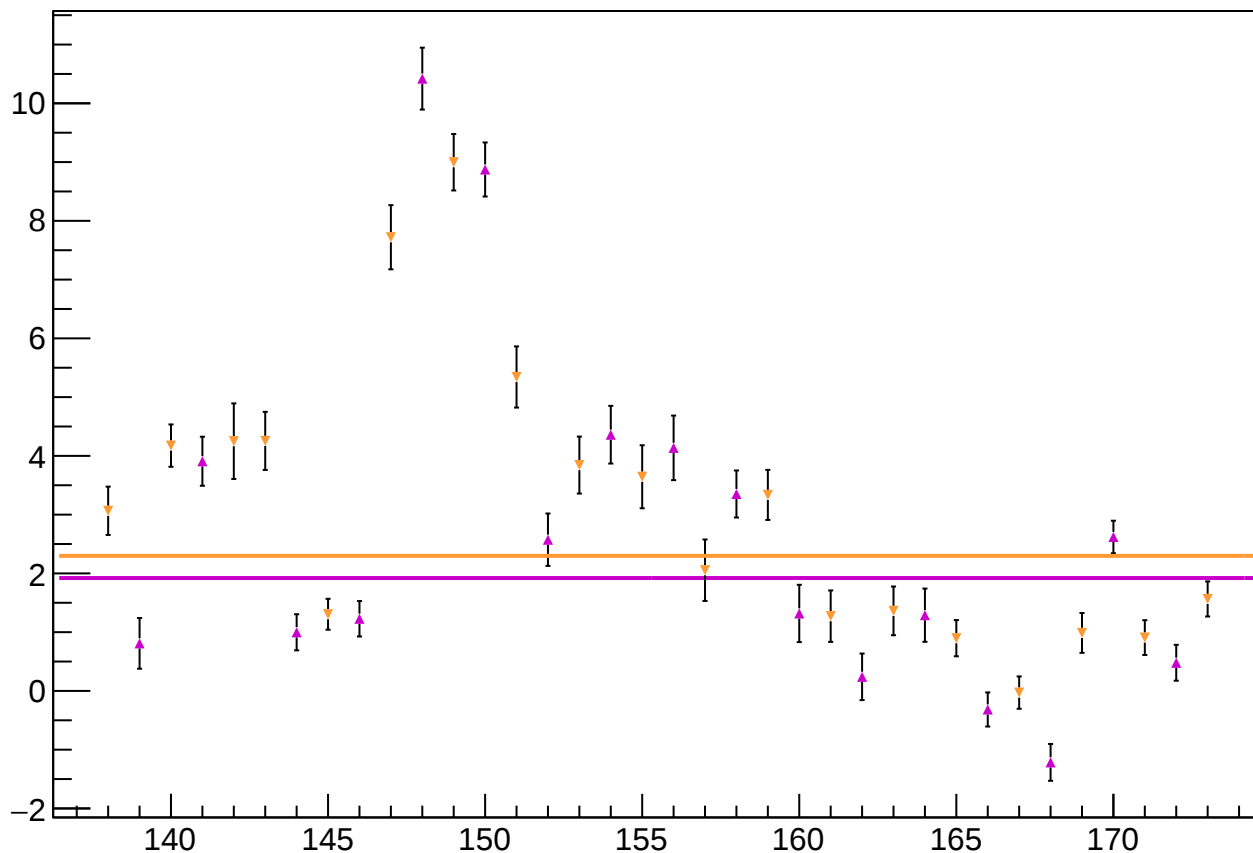
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.263 $\pm$ 0.003 χ^2 /NDF:1236.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.256 $\pm$ 0.004 χ^2 /NDF:2274.1/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.260 $\pm$ 0.003 χ^2 /NDF: 3513.0/35
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: 2.299+/-0.088 χ^2/NDF :565.2/18

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

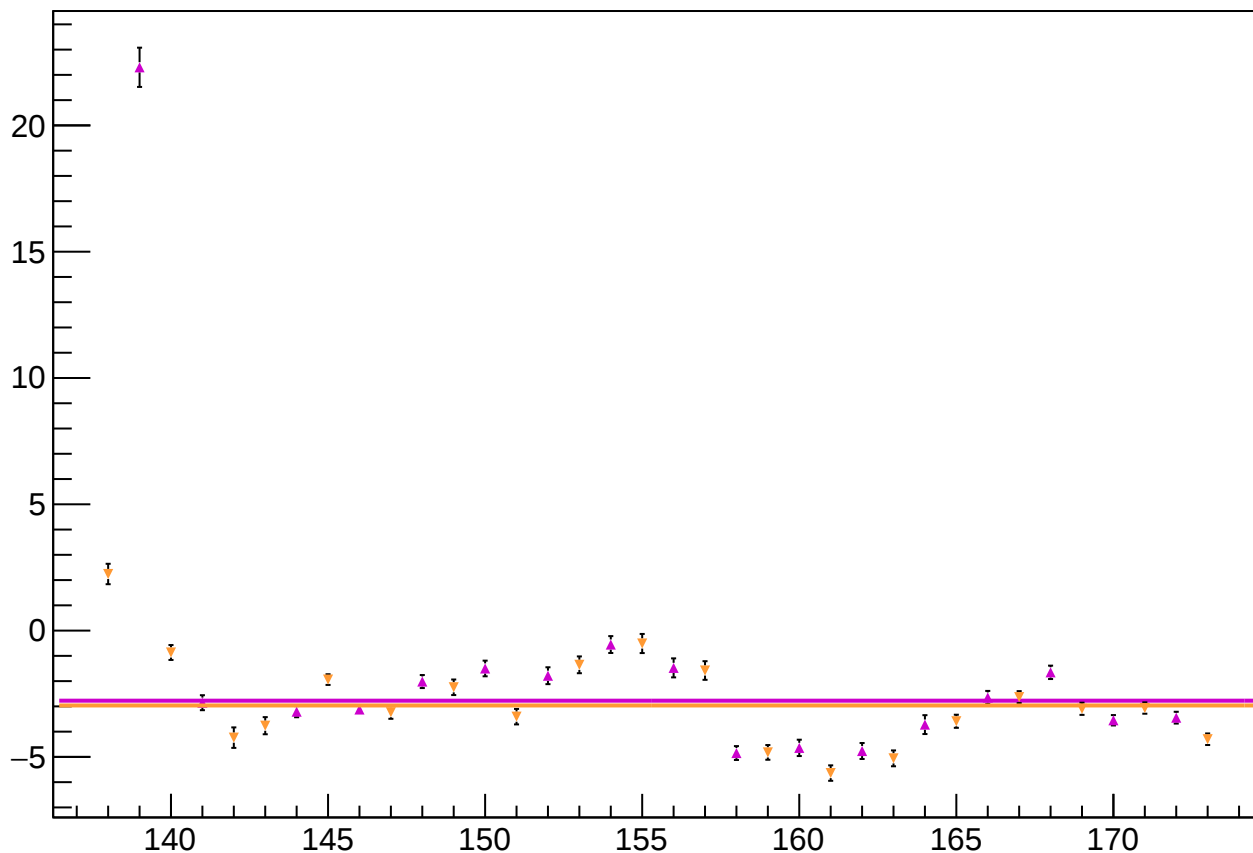
Left In: 1.921+/-0.091 χ^2/NDF :798.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2.116+/-0.063 χ^2/NDF : 1372.5/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

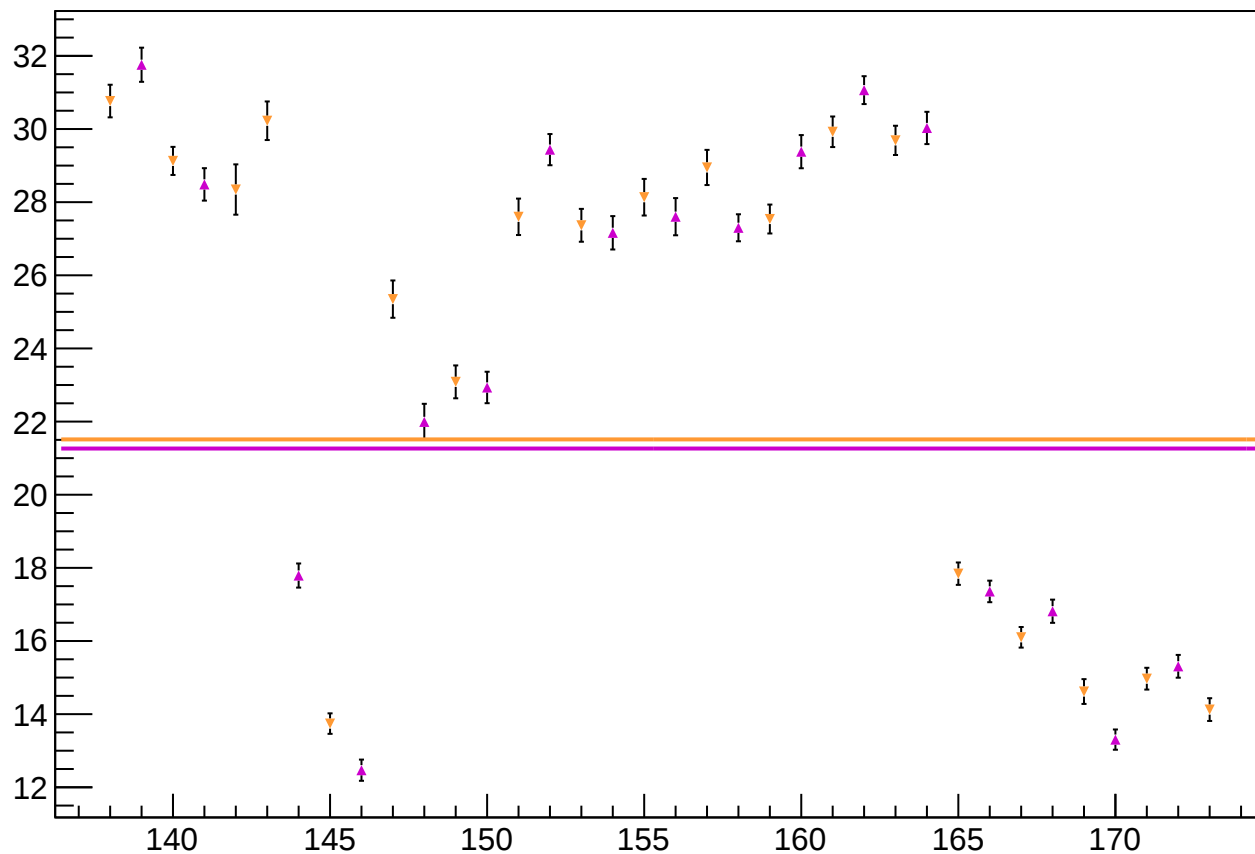
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.964 $\pm$ 0.065 χ^2 /NDF:547.4/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.774 $\pm$ 0.067 χ^2 /NDF:1315.8/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -2.872 $\pm$ 0.047 χ^2 /NDF: 1867.3/35
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 21.513+/-0.088 χ^2/NDF : 5795.0/18

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

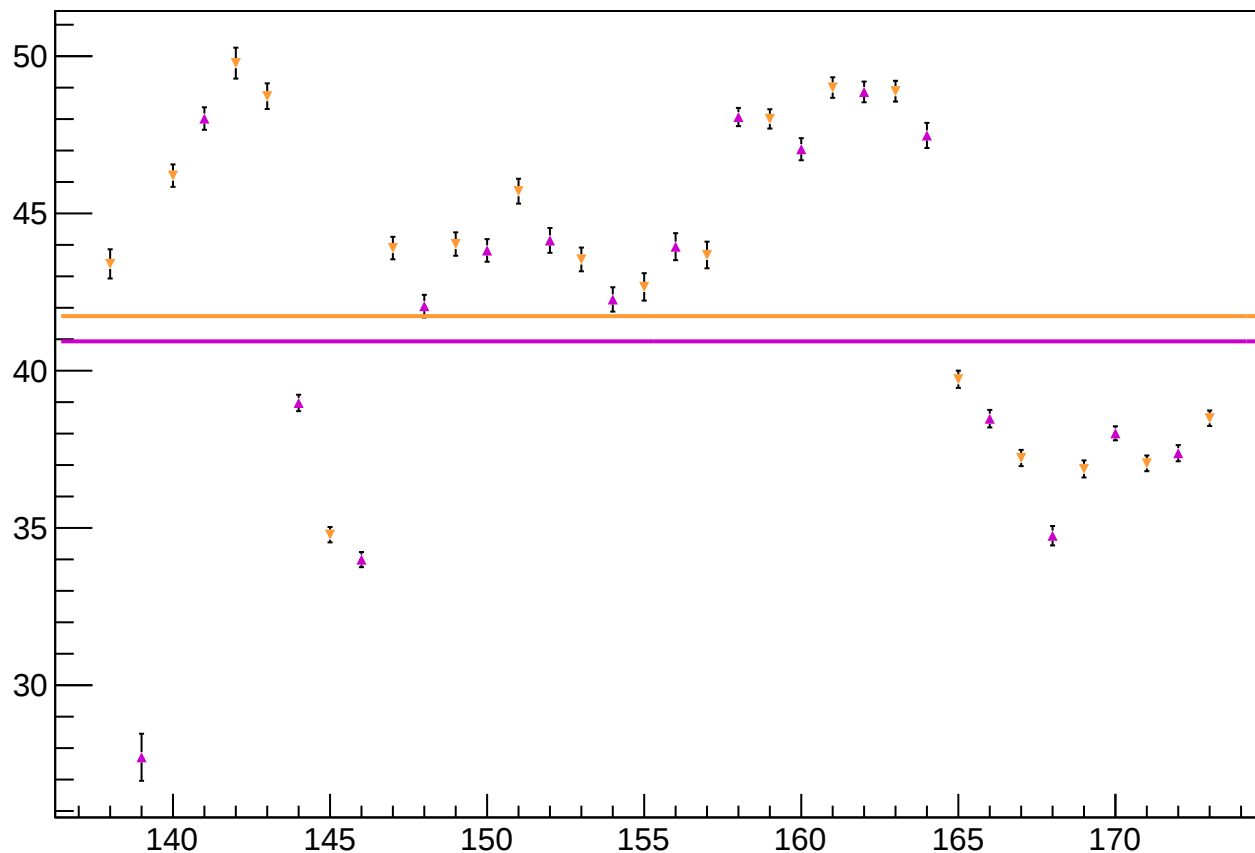
Left In: 21.263+/-0.090 χ^2/NDF : 5714.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21.390+/-0.063 χ^2/NDF : 11513.7/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 41.735+/-0.074 χ^2/NDF : 4350.3/18

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

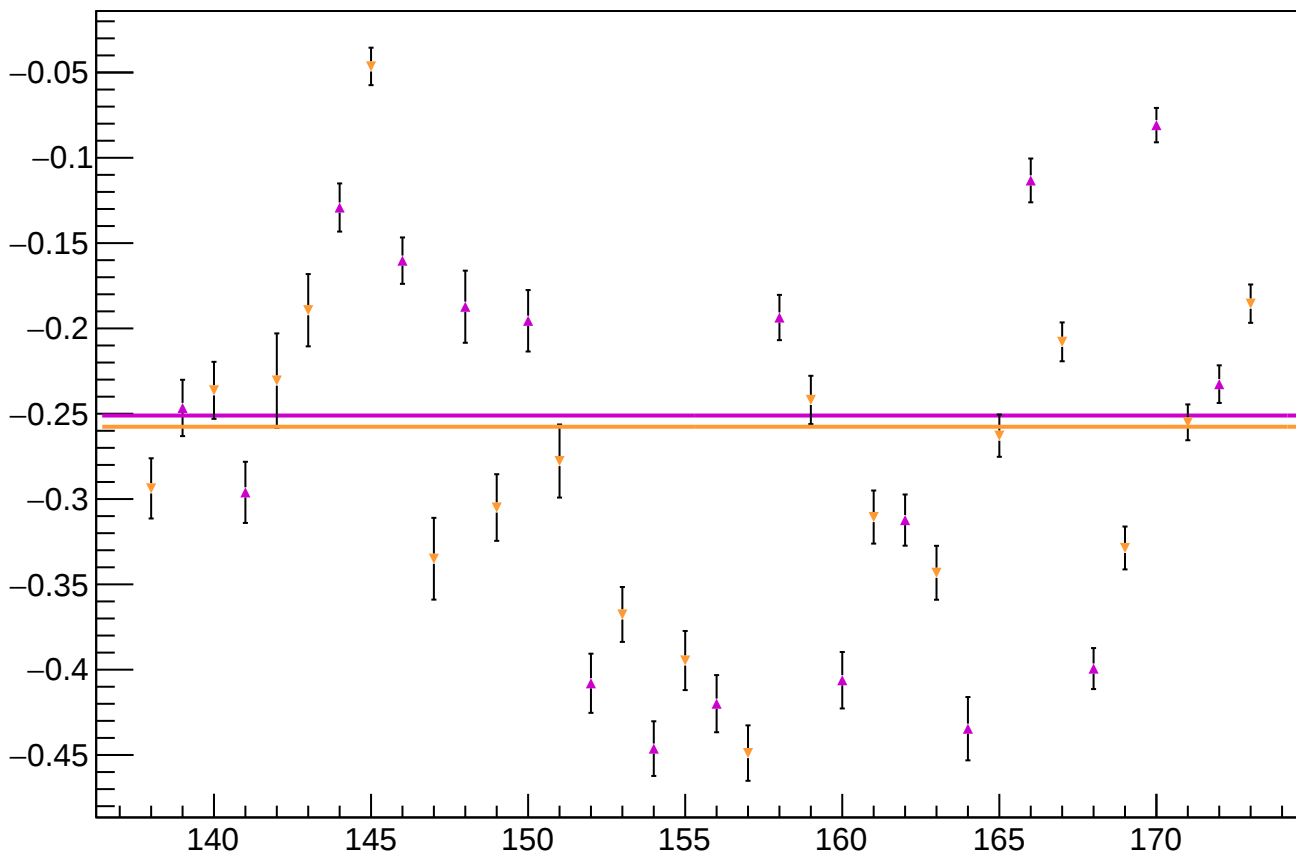
Left In: 40.933+/-0.077 χ^2/NDF : 4394.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 41.348+/-0.053 χ^2/NDF : 8801.7/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.258+/-0.003 χ^2/NDF : 786.6/18

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

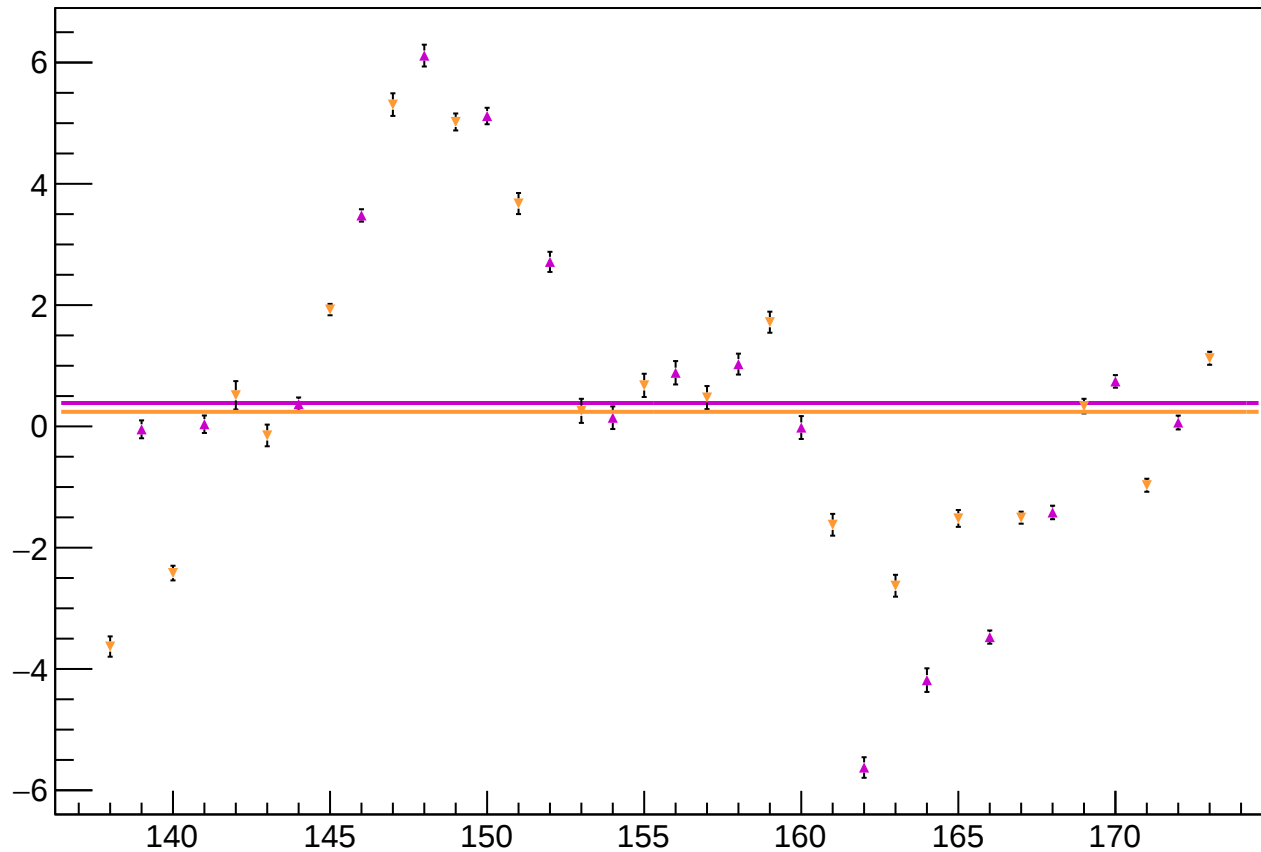
Left In: -0.251+/-0.004 χ^2/NDF : 1253.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.254+/-0.002 χ^2/NDF : 2041.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: 0.240+/-0.032 χ^2/NDF : 4740.5/18

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

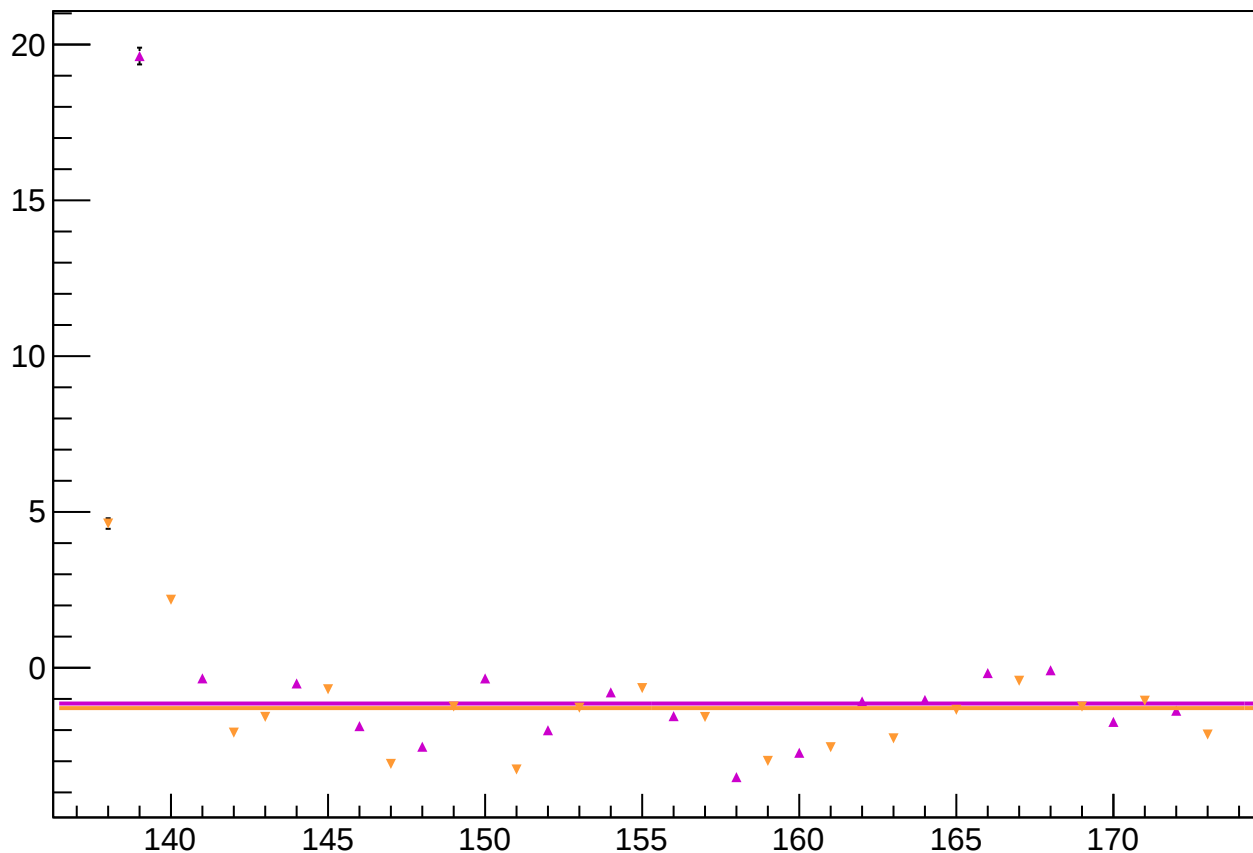
Left In: 0.386+/-0.033 χ^2/NDF : 6721.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.311+/-0.023 χ^2/NDF : 11471.7/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

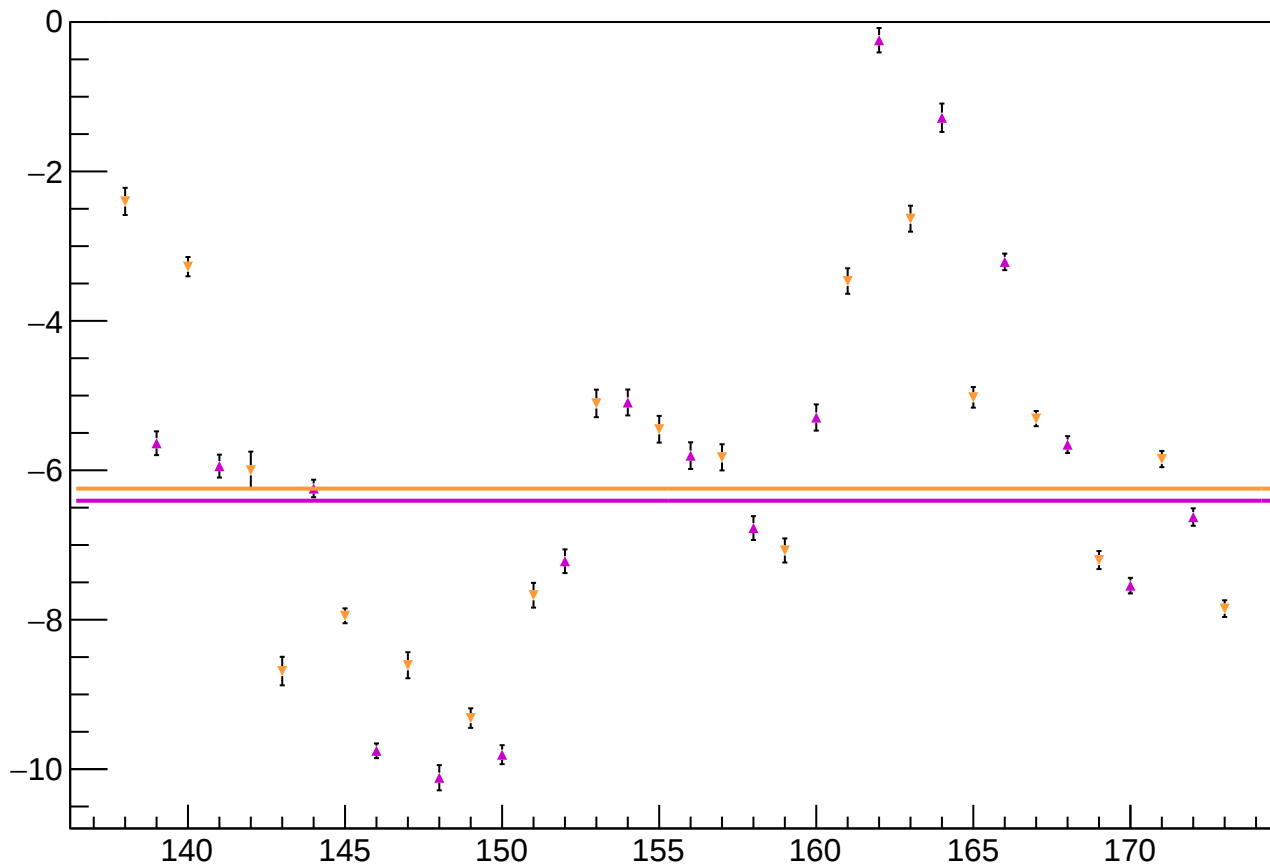
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -1.295 $\pm$ 0.024 χ^2 /NDF:3895.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.148 $\pm$ 0.025 χ^2 /NDF:7444.3/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -1.223 $\pm$ 0.017 χ^2 /NDF: 11358.0/35
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

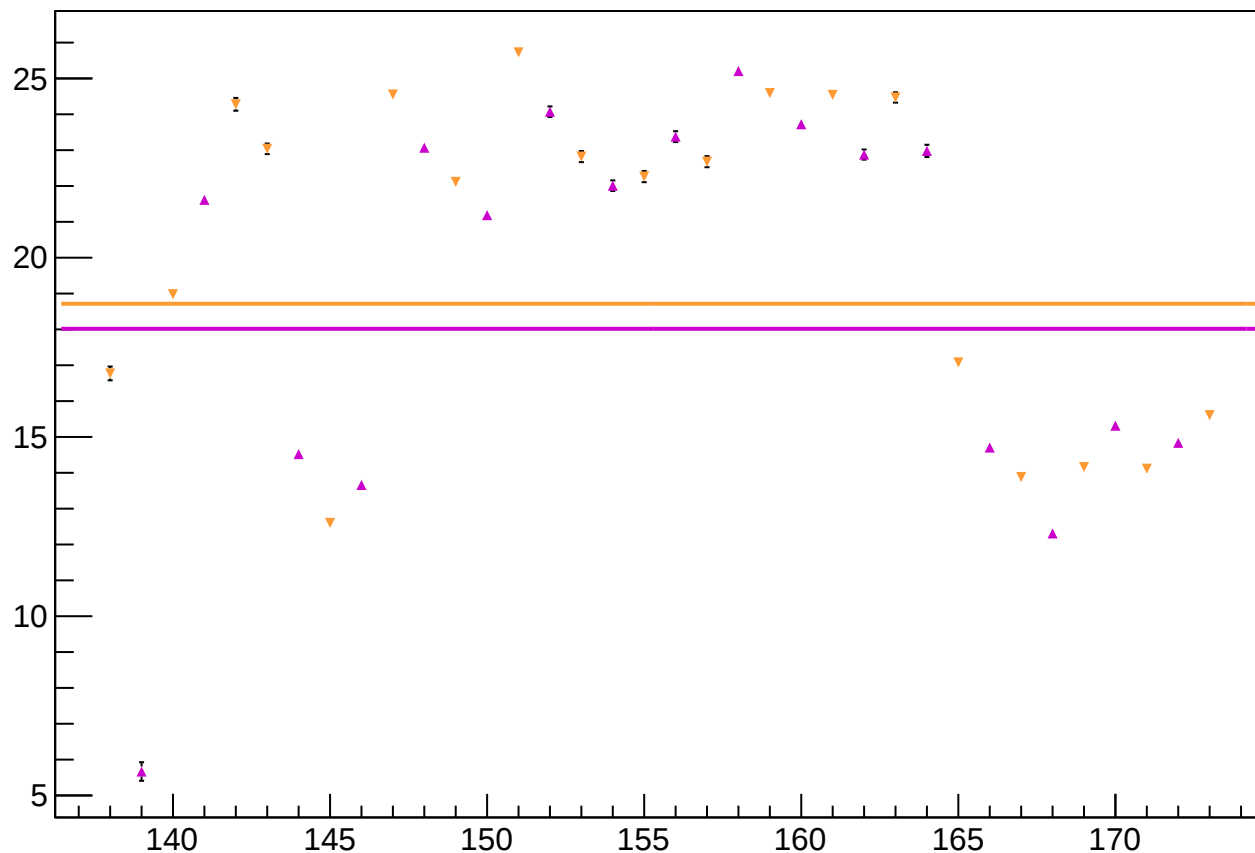
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.245 $\pm$ 0.033 χ^2 /NDF:3474.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.407 $\pm$ 0.033 χ^2 /NDF:5679.2/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -6.325 $\pm$ 0.023 χ^2 /NDF: 9165.7/35
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 18.716+/-0.027 χ^2/NDF : 29215.0/18

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

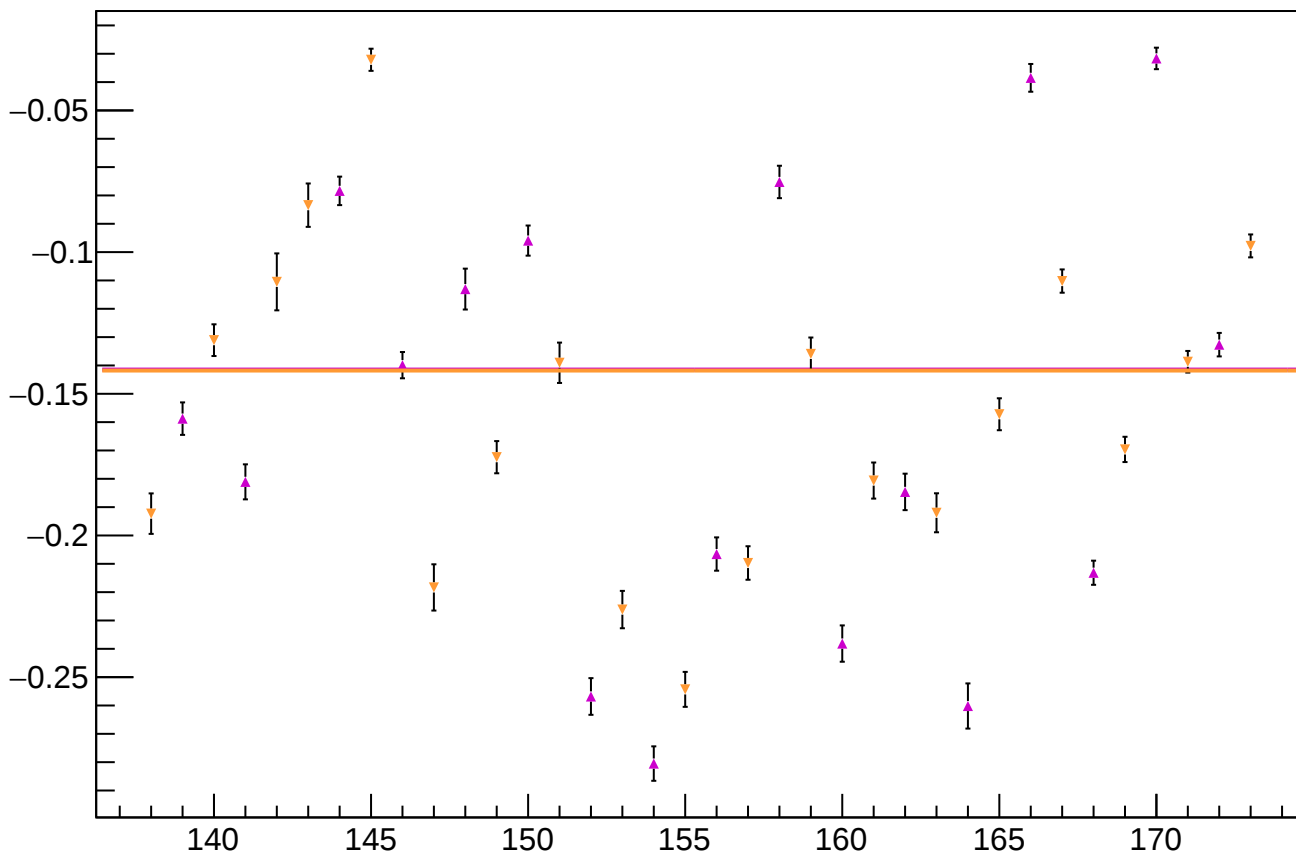
Left In: 18.017+/-0.028 χ^2/NDF : 26442.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 18.377+/-0.020 χ^2/NDF : 55973.9/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

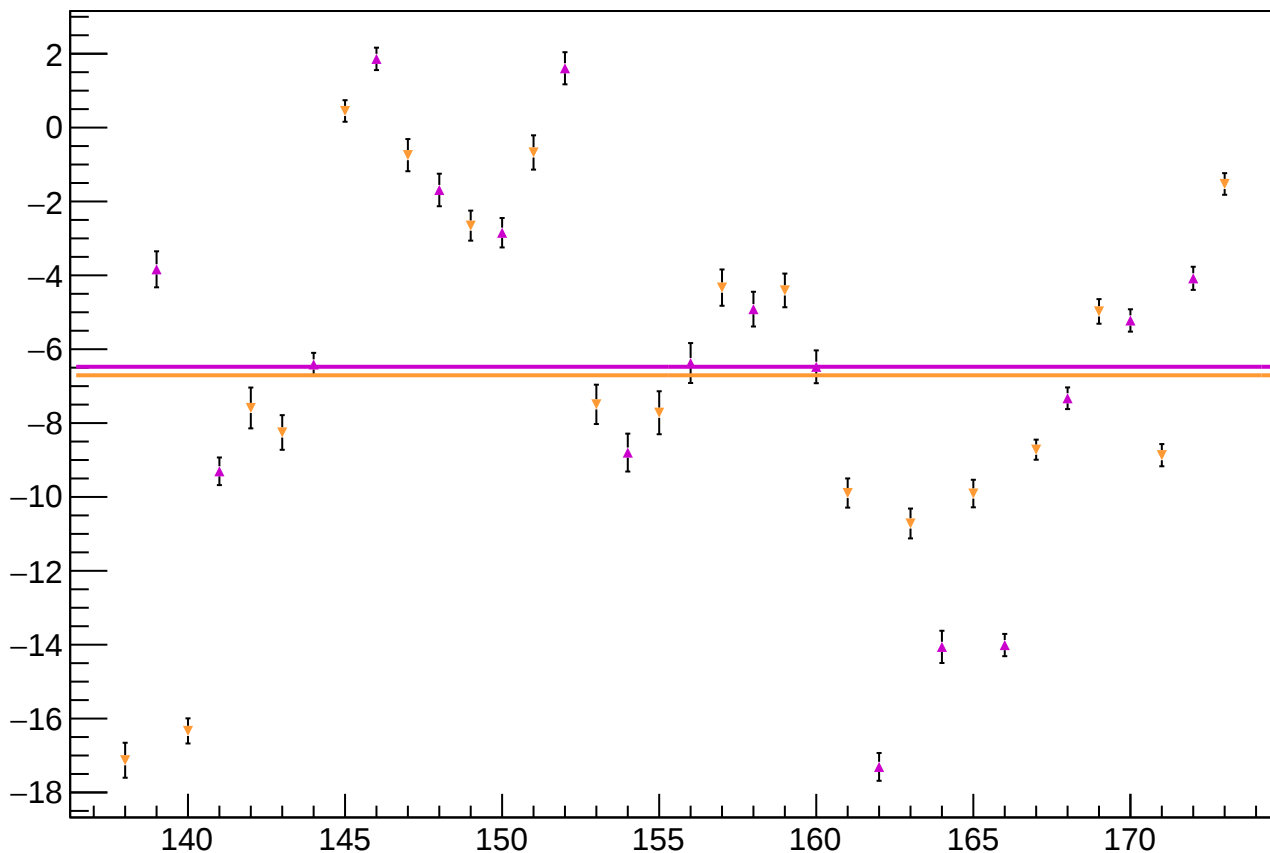
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.142+/-0.001 χ^2/NDF : 1970.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.141+/-0.001 χ^2/NDF : 3455.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -0.142+/-0.001 χ^2/NDF : 5425.8/35
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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

Left Out: -6.706+/-0.088 χ^2/NDF : 3093.6/18

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

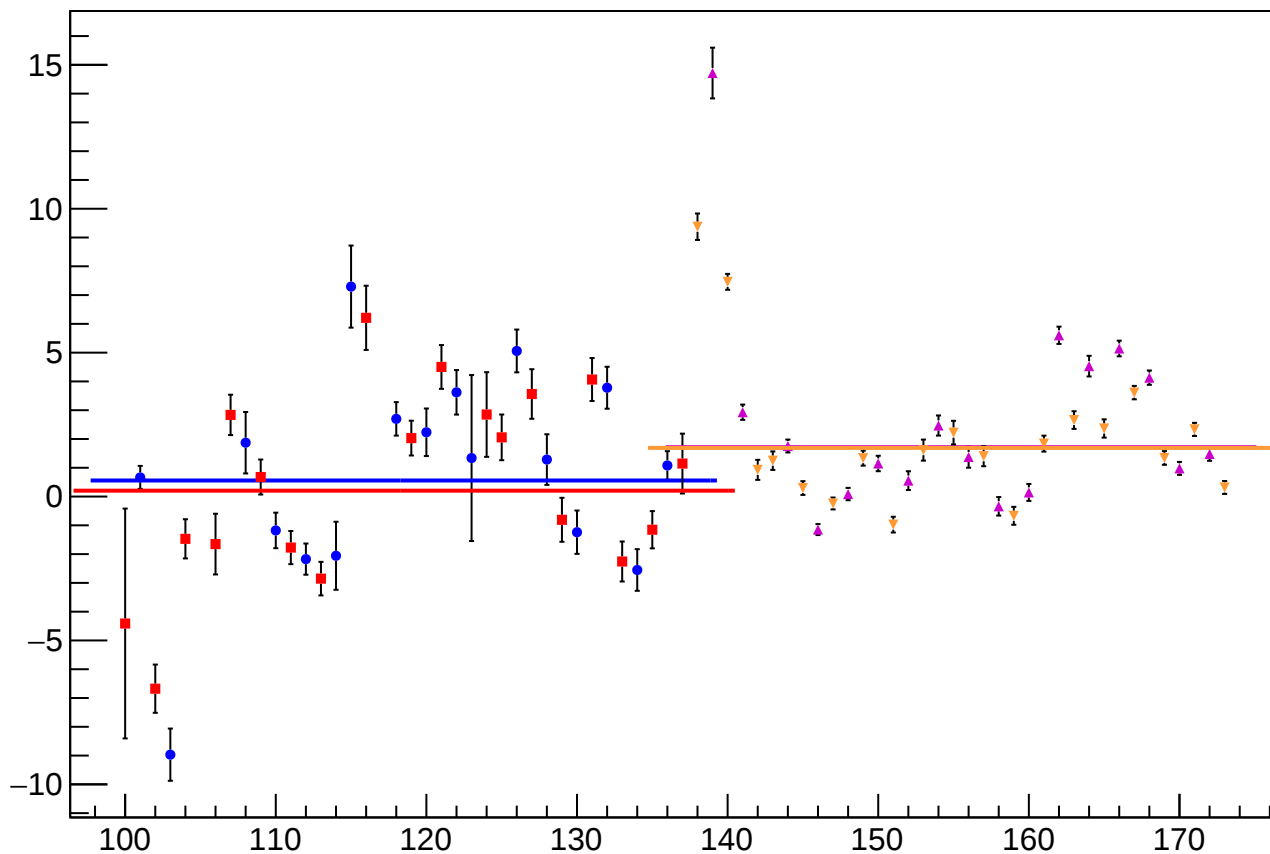
Left In: -6.475+/-0.091 χ^2/NDF : 3257.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -6.594+/-0.063 χ^2/NDF : 6354.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.691 ± 0.064 χ^2/NDF : 1130.1/18

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

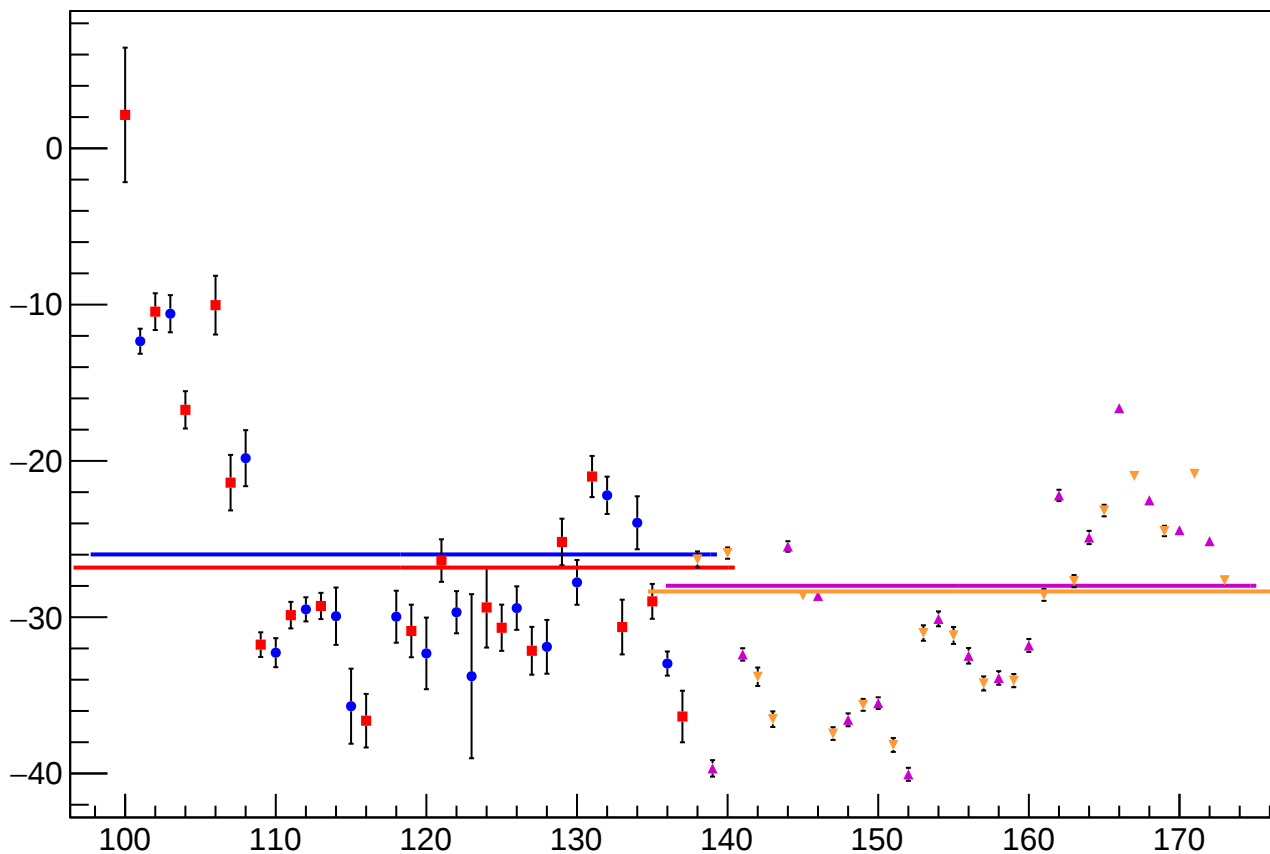
Left In: 1.715 ± 0.066 χ^2/NDF : 1106.5/16

+ sign 1.551 ± 0.060 χ^2/NDF : 1456.9/35

All: 1.539 ± 0.043 χ^2/NDF : 2901.1/71

- sign 1.527 ± 0.062 χ^2/NDF : 1444.1/35

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -28.351 ± 0.088 χ^2/NDF : 3838.9/18

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

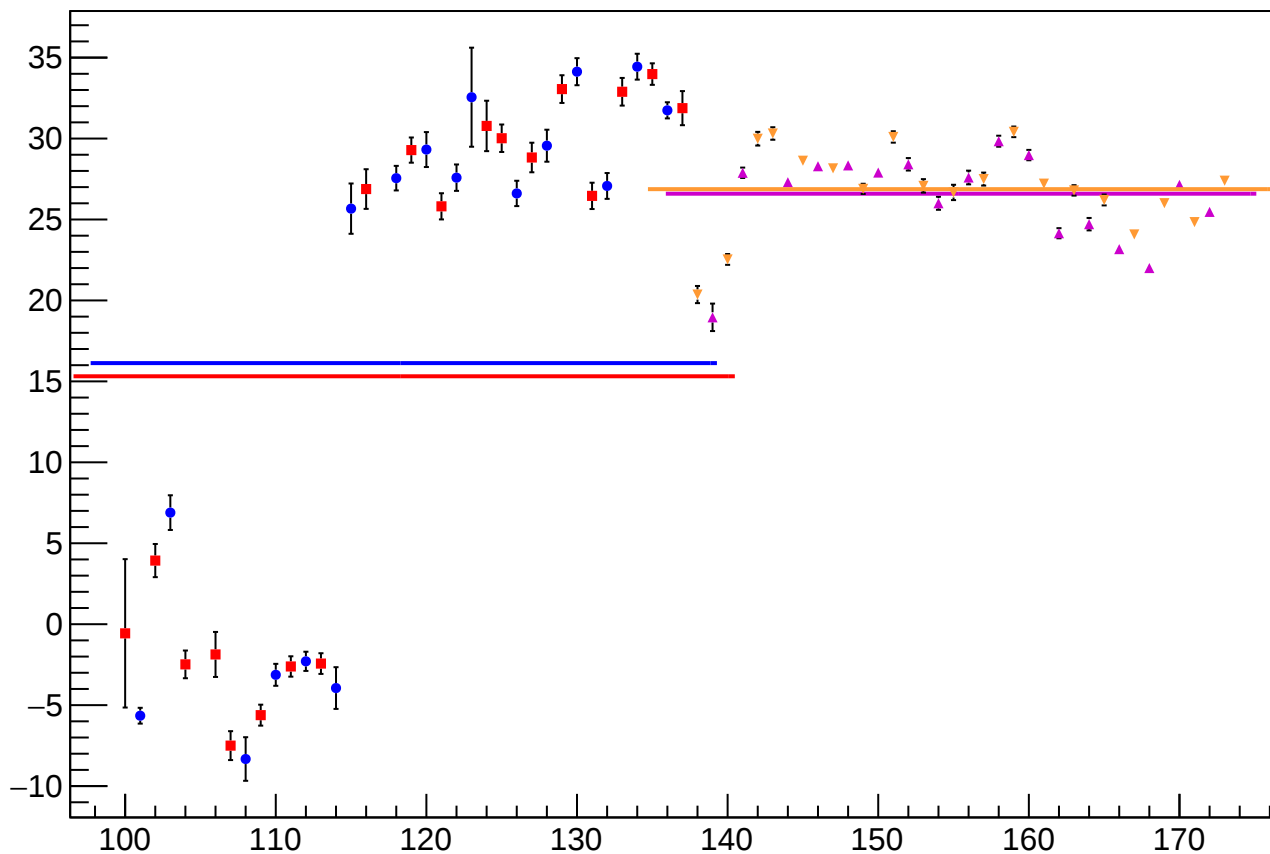
Left In: -27.990 ± 0.090 χ^2/NDF : 4952.8/16

+ sign -28.164 ± 0.084 χ^2/NDF : 4587.6/35

All: -28.031 ± 0.060 χ^2/NDF : 10141.1/71

- sign -27.893 ± 0.086 χ^2/NDF : 5548.4/35

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 26.874 $\pm$ 0.073 χ^2 /NDF: 922.1/18

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

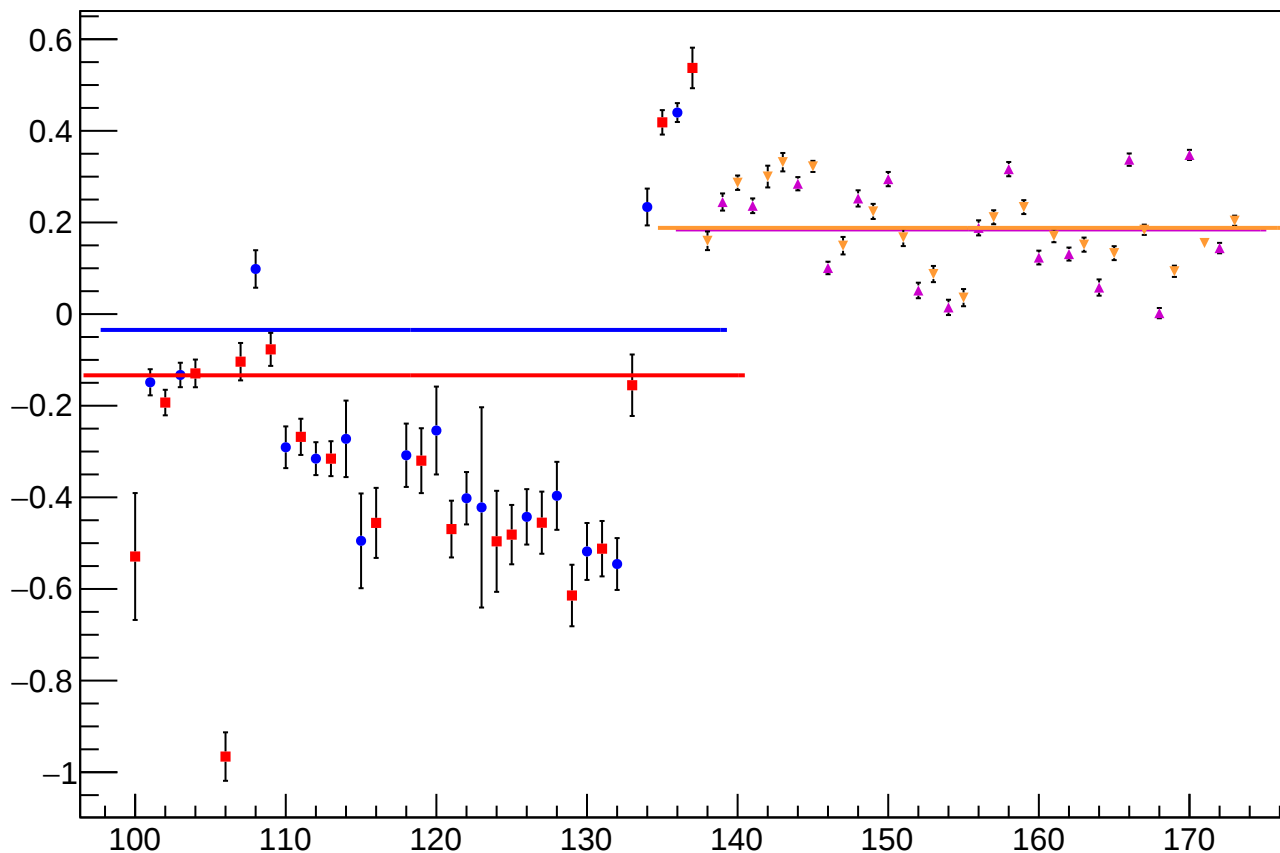
Left In: 26.593 $\pm$ 0.076 χ^2 /NDF: 881.8/16

+ sign 25.508 $\pm$ 0.068 χ^2 /NDF: 11226.8/35

All: 25.326 $\pm$ 0.049 χ^2 /NDF: 22253.6/71

- sign 25.132 $\pm$ 0.071 χ^2 /NDF: 11012.2/35

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.188 ± 0.003 χ^2/NDF : 447.6/18

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

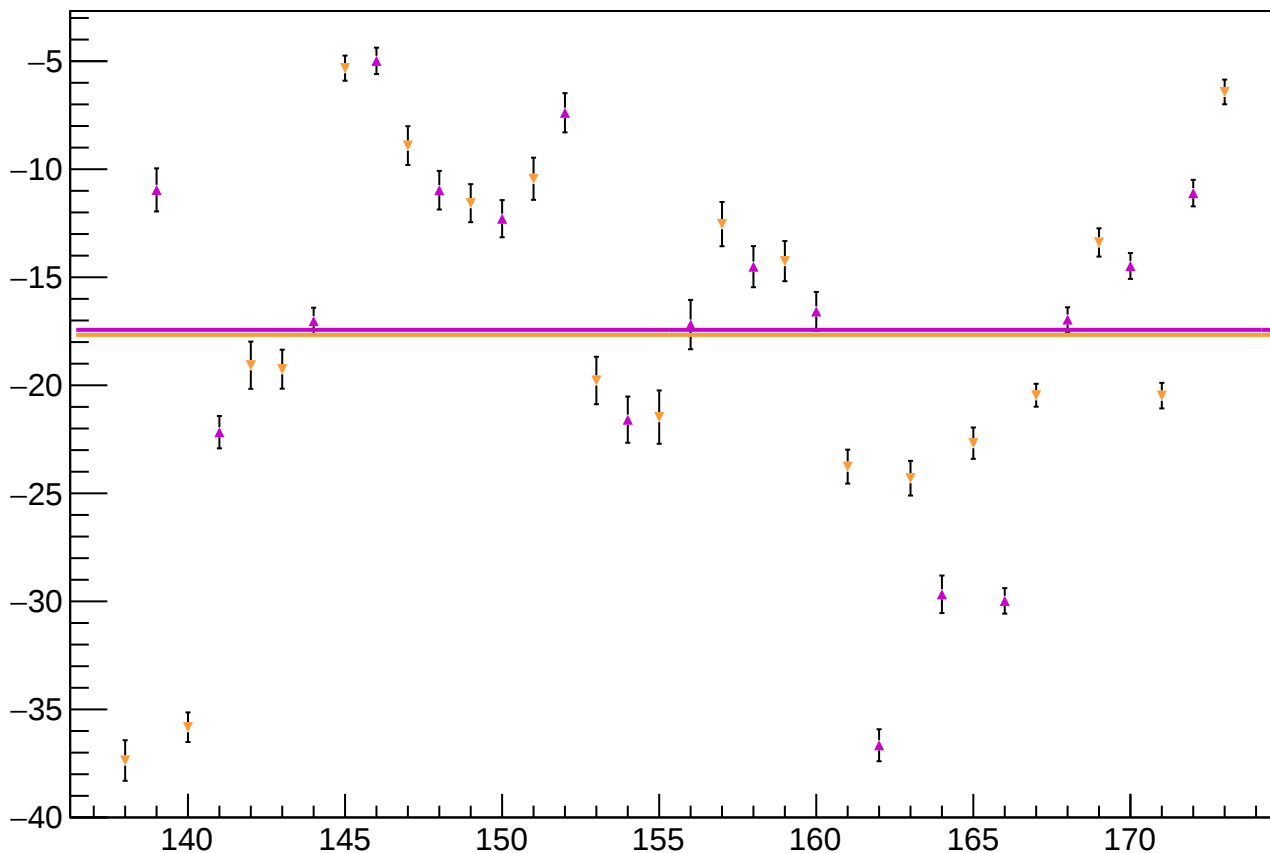
Left In: 0.185 ± 0.004 χ^2/NDF : 1110.3/16

+ sign 0.166 ± 0.003 χ^2/NDF : 1878.5/35

All: 0.159 ± 0.002 χ^2/NDF : 5005.1/71

- sign 0.152 ± 0.003 χ^2/NDF : 3116.9/35

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -17.666+/-0.176 χ^2/NDF : 2504.4/18

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

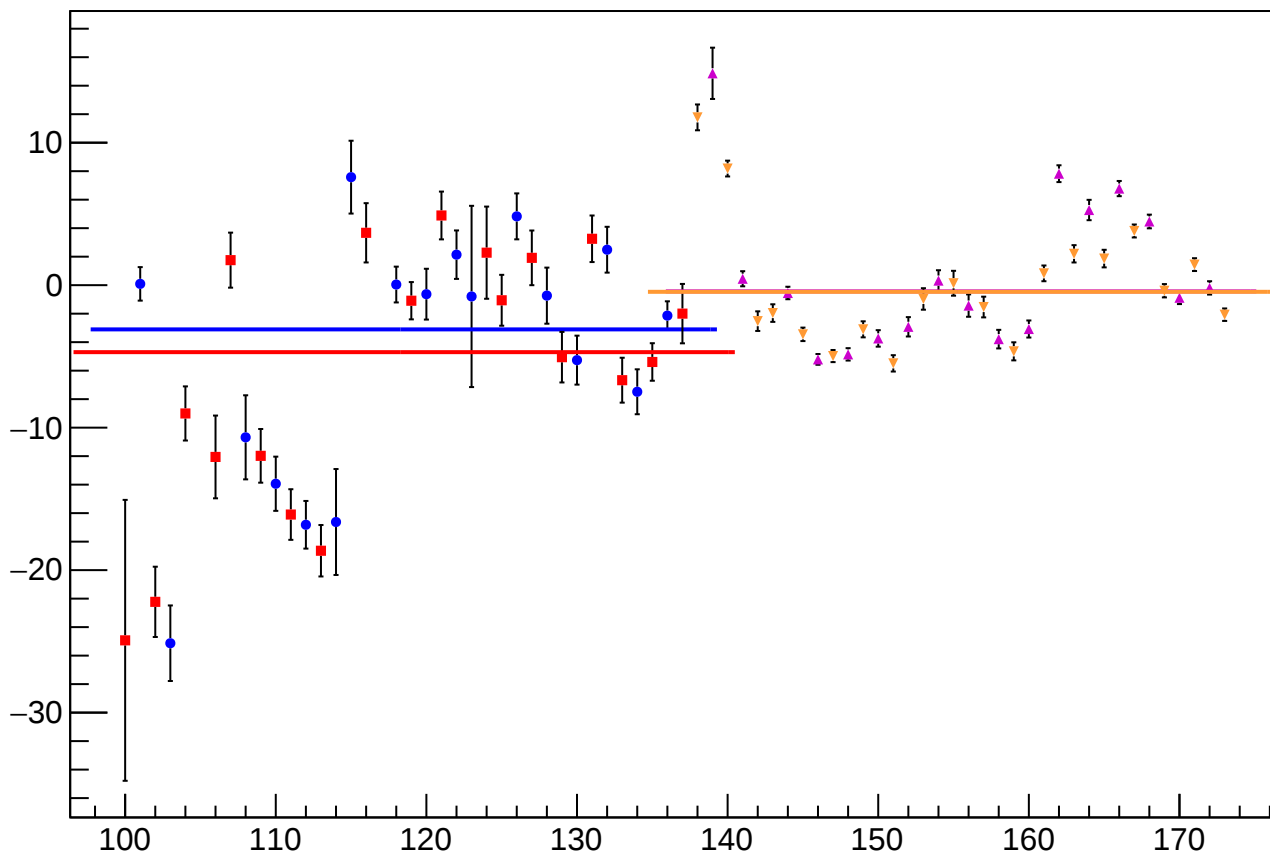
Left In: -17.434+/-0.181 χ^2/NDF : 2188.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.553+/-0.126 χ^2/NDF : 4693.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -0.467 ± 0.128 χ^2/NDF : 895.2/18

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

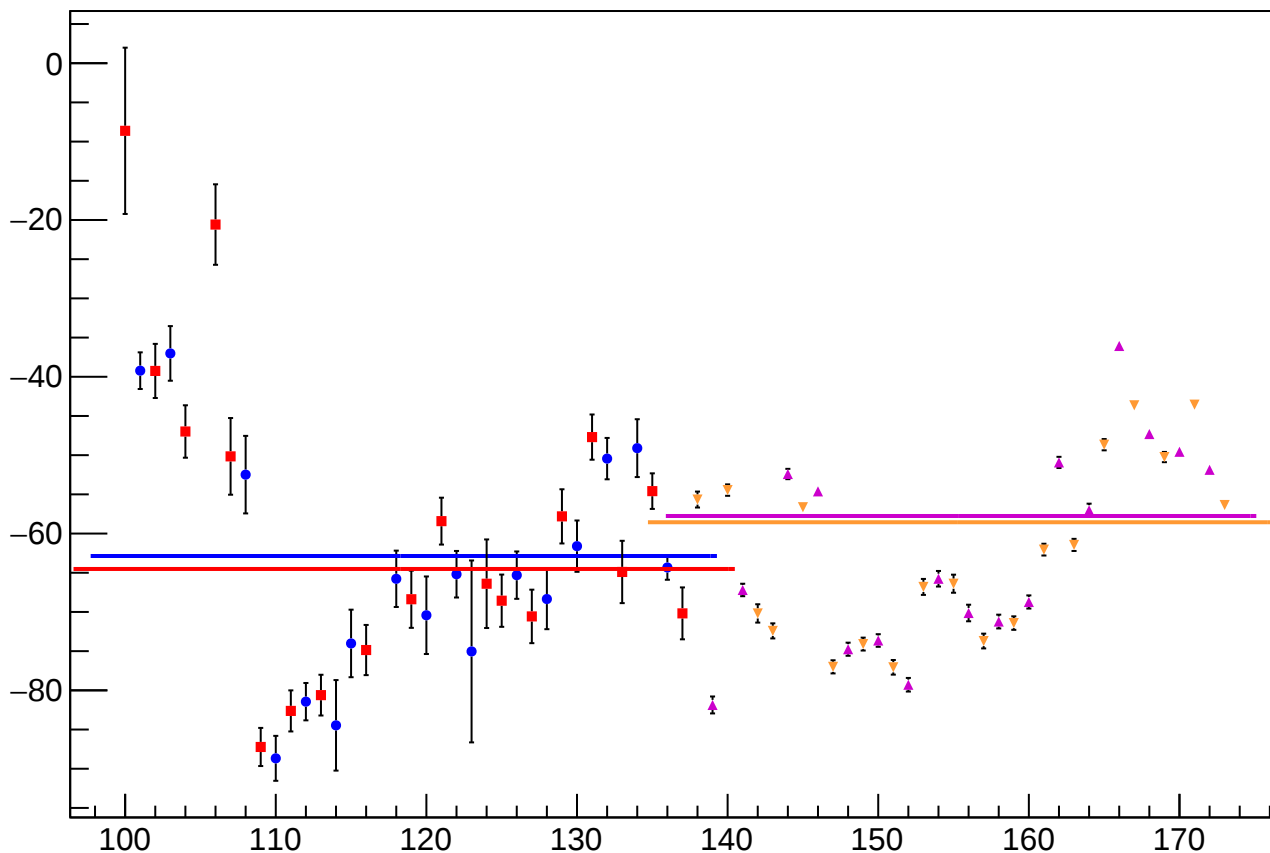
Left In: -0.435 ± 0.132 χ^2/NDF : 980.7/16

+ sign -0.700 ± 0.122 χ^2/NDF : 1211.9/35

All: -0.752 ± 0.088 χ^2/NDF : 2581.9/71

- sign -0.807 ± 0.126 χ^2/NDF : 1369.6/35

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -58.558 ± 0.176 χ^2/NDF : 3971.1/18

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

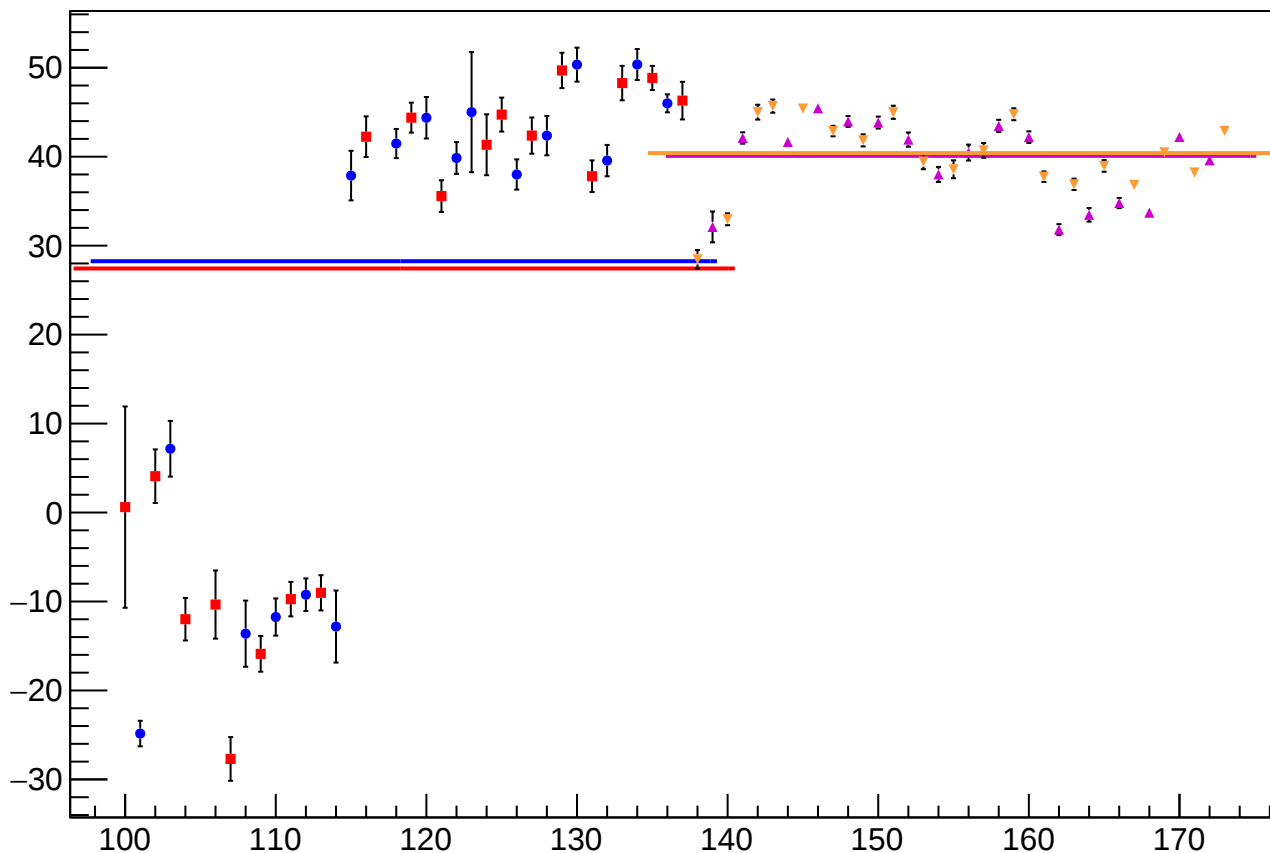
Left In: -57.759 ± 0.180 χ^2/NDF : 4752.6/16

+ sign -58.788 ± 0.171 χ^2/NDF : 4371.8/35

All: -58.462 ± 0.122 χ^2/NDF : 9652.4/71

- sign -58.124 ± 0.175 χ^2/NDF : 5273.2/35

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 40.406 $\pm$ 0.147 χ^2 /NDF:679.6/18

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

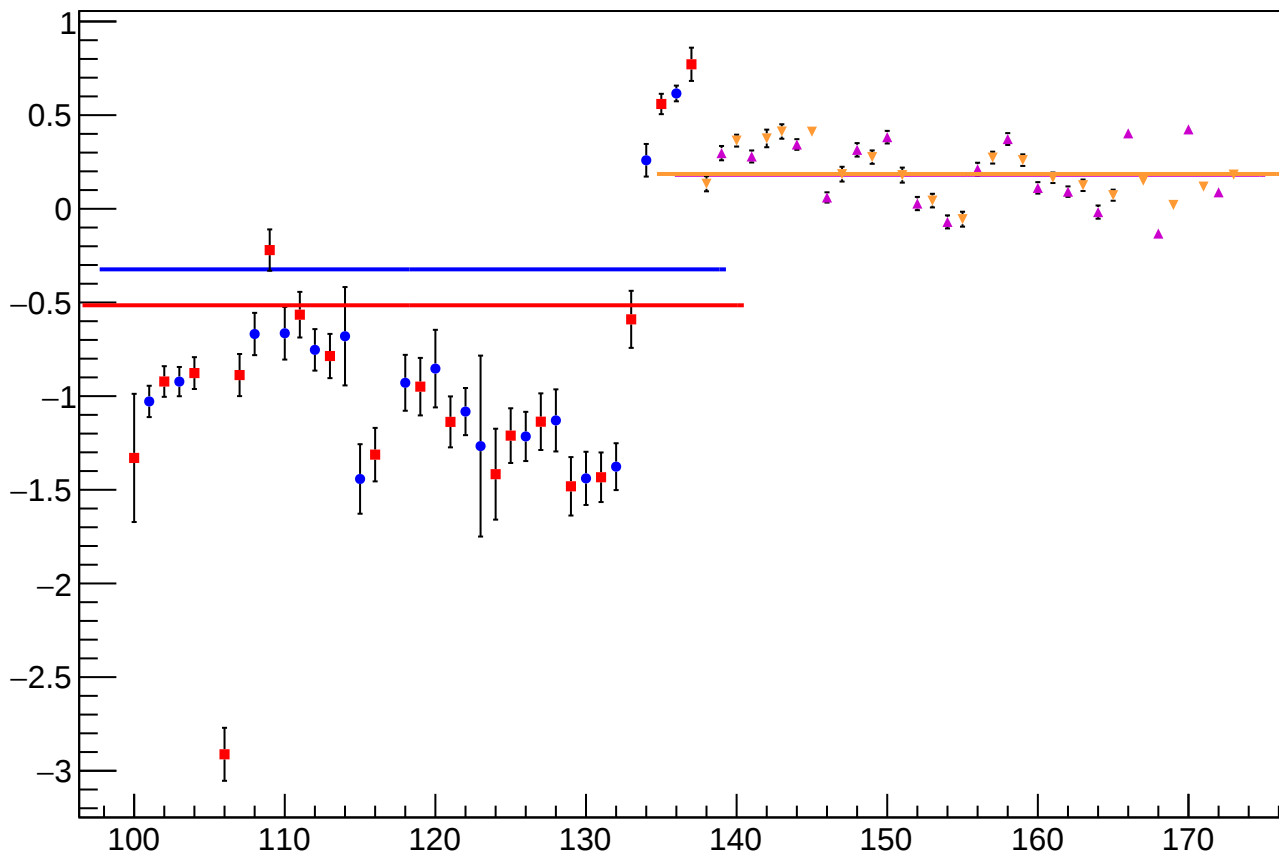
Left In: 40.097 $\pm$ 0.152 χ^2 /NDF:777.7/16

+ sign 39.285 $\pm$ 0.140 χ^2 /NDF: 4632.7/35

All: 39.116 $\pm$ 0.101 χ^2 /NDF: 9081.1/71

- sign 38.935 $\pm$ 0.145 χ^2 /NDF: 4445.3/35

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.186 ± 0.007 χ^2/NDF : 321.1/18

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

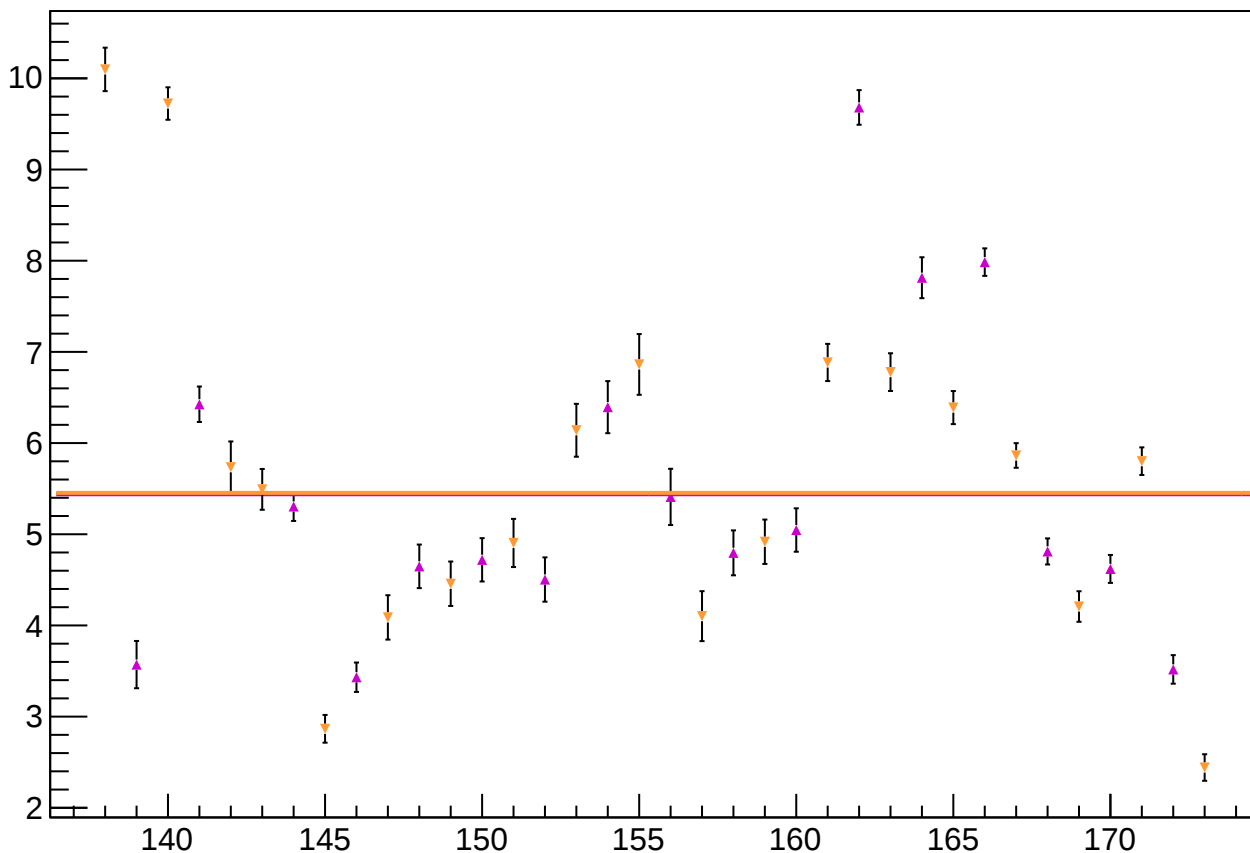
Left In: 0.182 ± 0.007 χ^2/NDF : 693.1/16

+ sign 0.151 ± 0.007 χ^2/NDF : 1719.4/35

All: 0.142 ± 0.005 χ^2/NDF : 4257.2/71

- sign 0.133 ± 0.007 χ^2/NDF : 2534.3/35

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



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

Left Out: 5.454+/-0.045 χ^2/NDF :1965.2/18

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

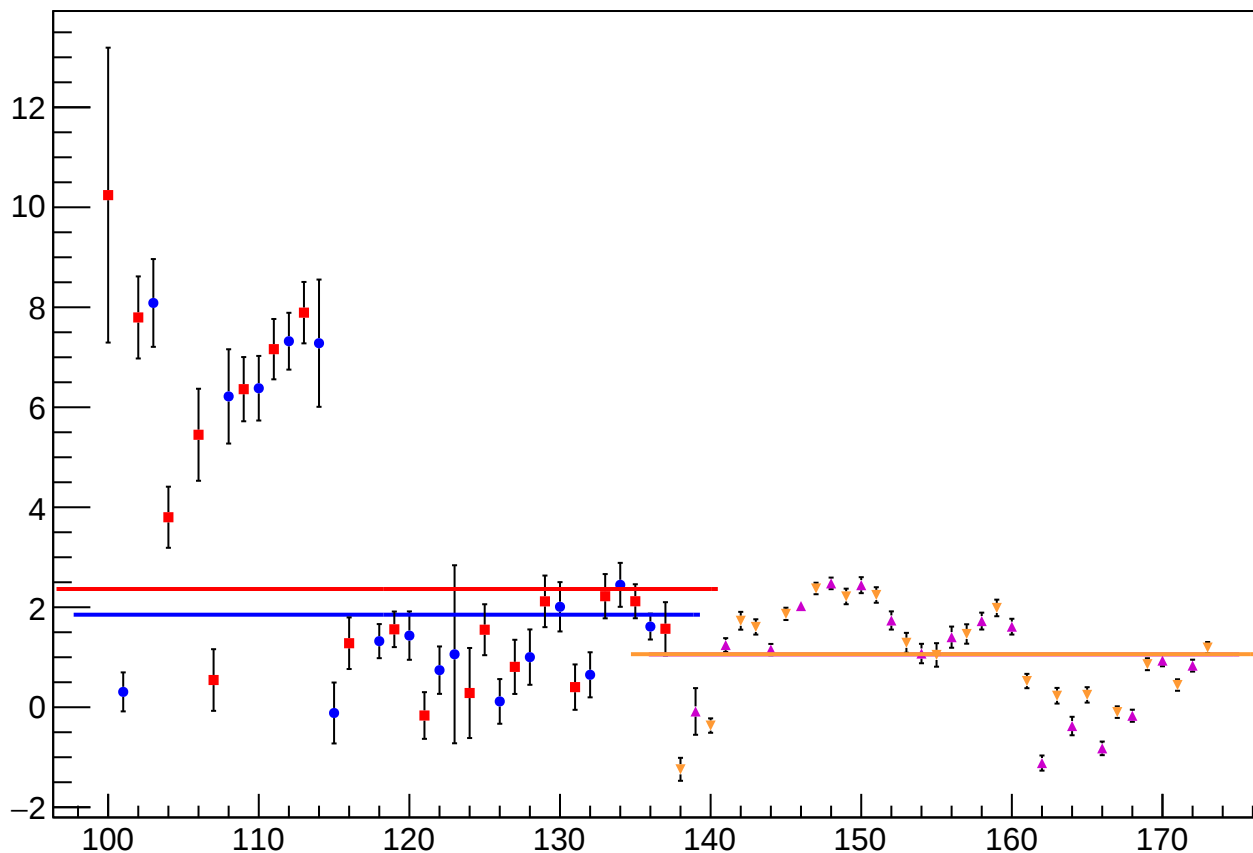
Left In: 5.439+/-0.047 χ^2/NDF :1383.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 5.446+/-0.033 χ^2/NDF : 3348.6/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.061 ± 0.033 χ^2/NDF : 751.1/18

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

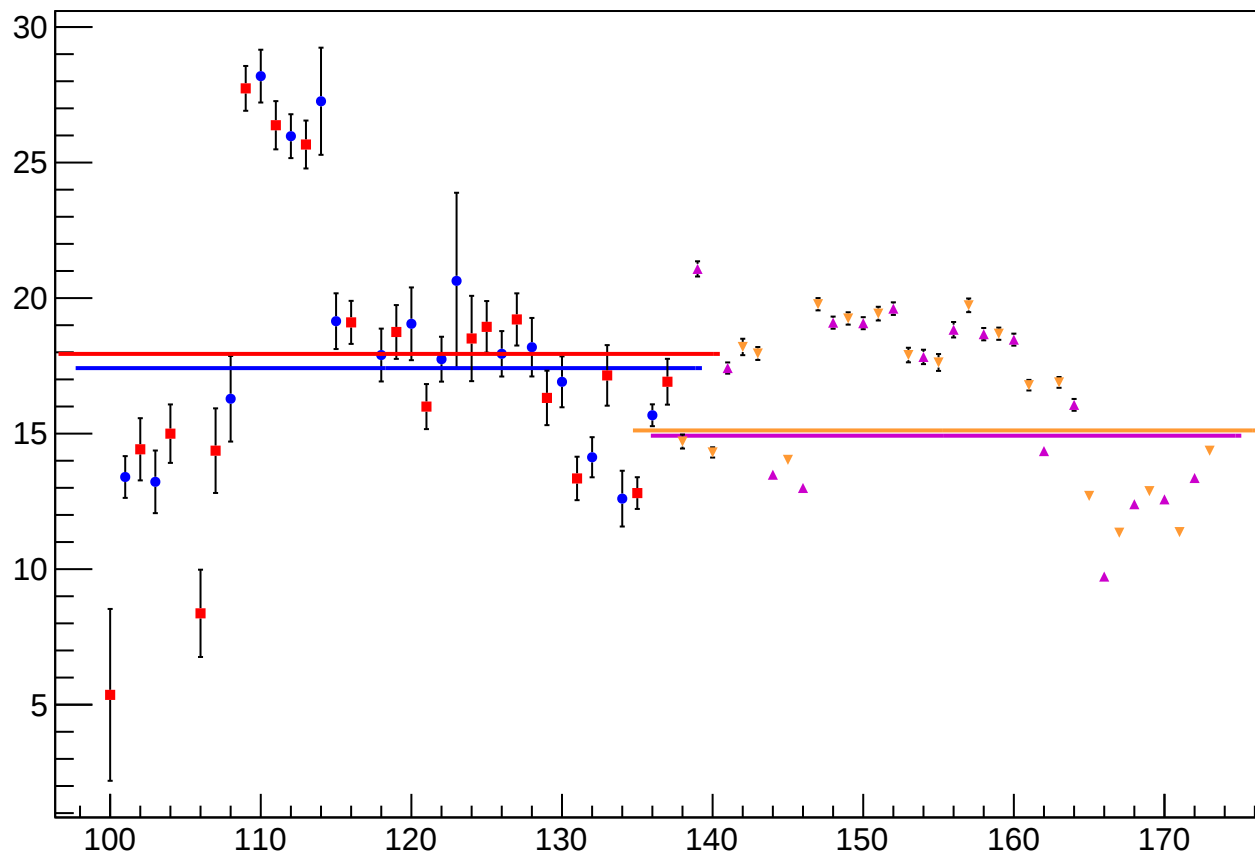
Left In: 1.057 ± 0.034 χ^2/NDF : 939.4/16

+ sign 1.120 ± 0.032 χ^2/NDF : 1087.3/35

All: 1.136 ± 0.023 χ^2/NDF : 2469.1/71

- sign 1.152 ± 0.033 χ^2/NDF : 1381.3/35

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 15.117 $\pm$ 0.046 χ^2 /NDF: 3992.5/18

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

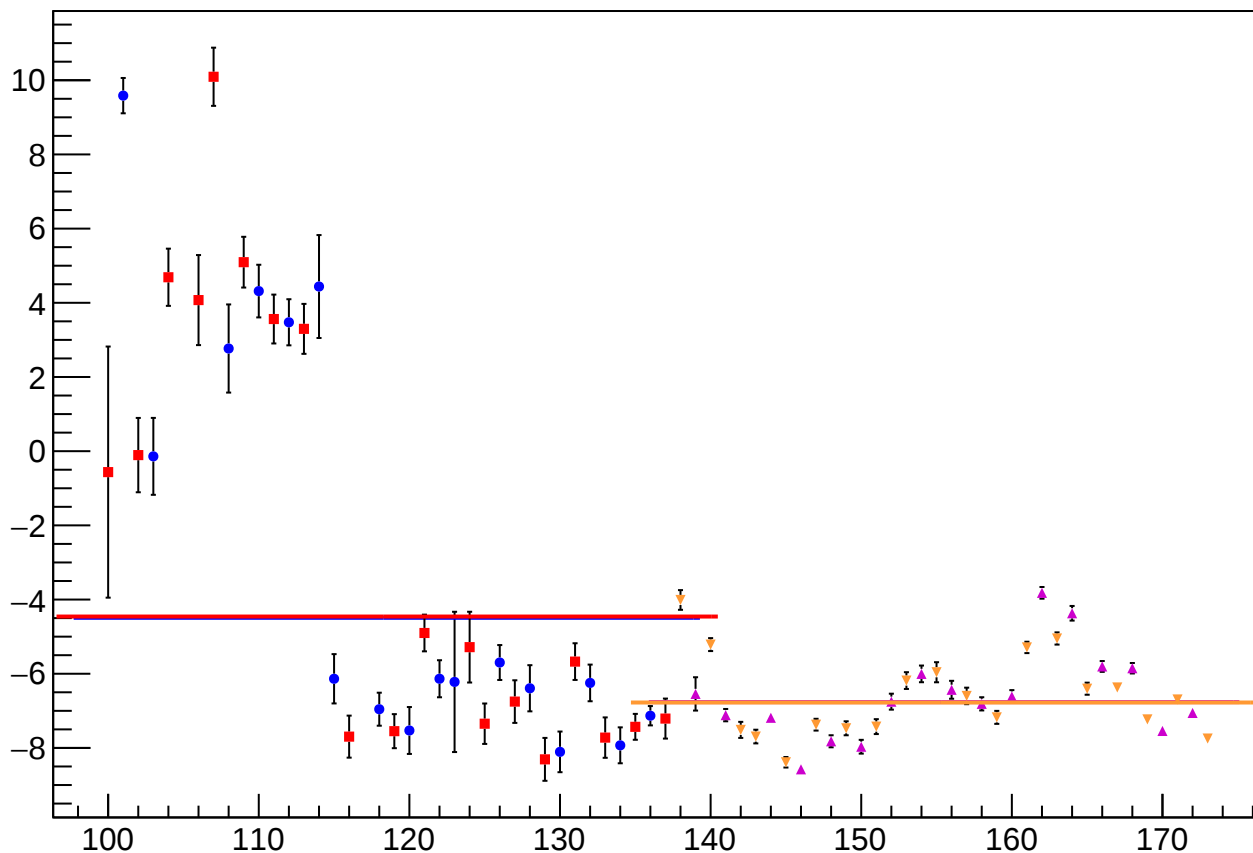
Left In: 14.923 $\pm$ 0.047 χ^2 /NDF: 4605.0/16

+ sign 15.219 $\pm$ 0.045 χ^2 /NDF: 4471.3/35

All: 15.138 $\pm$ 0.032 χ^2 /NDF: 9770.0/71

- sign 15.054 $\pm$ 0.046 χ^2 /NDF: 5292.1/35

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -6.775 ± 0.038 χ^2/NDF : 709.9/18

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

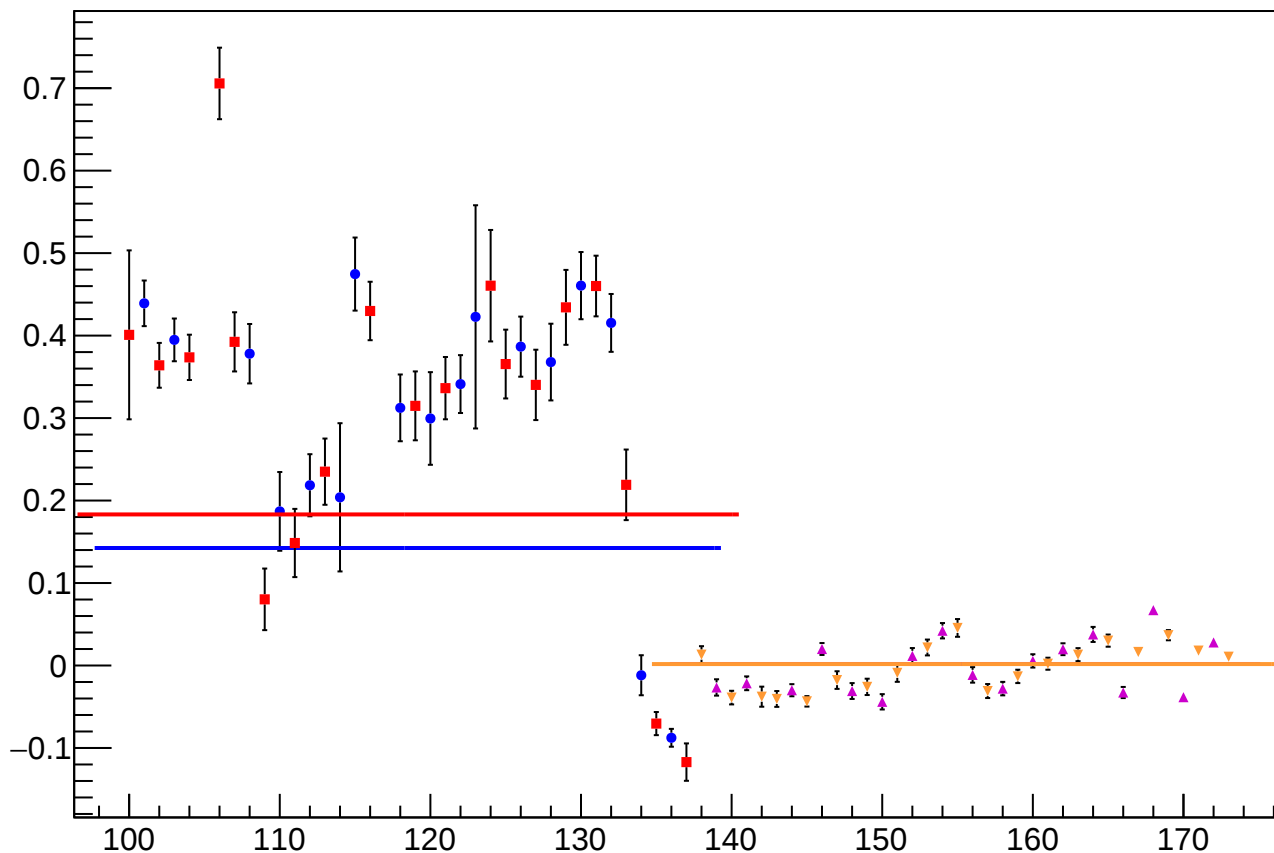
Left In: -6.764 ± 0.040 χ^2/NDF : 951.7/16

+ sign -6.596 ± 0.037 χ^2/NDF : 2577.8/35

All: -6.592 ± 0.026 χ^2/NDF : 5130.0/71

- sign -6.587 ± 0.038 χ^2/NDF : 2552.1/35

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.007 χ^2/NDF : 1058.8/16

Left Out: 0.002 $\pm$ 0.002 χ^2/NDF :225.1/18

Right Out: 0.183 $\pm$ 0.007 χ^2/NDF : 1000.9/18

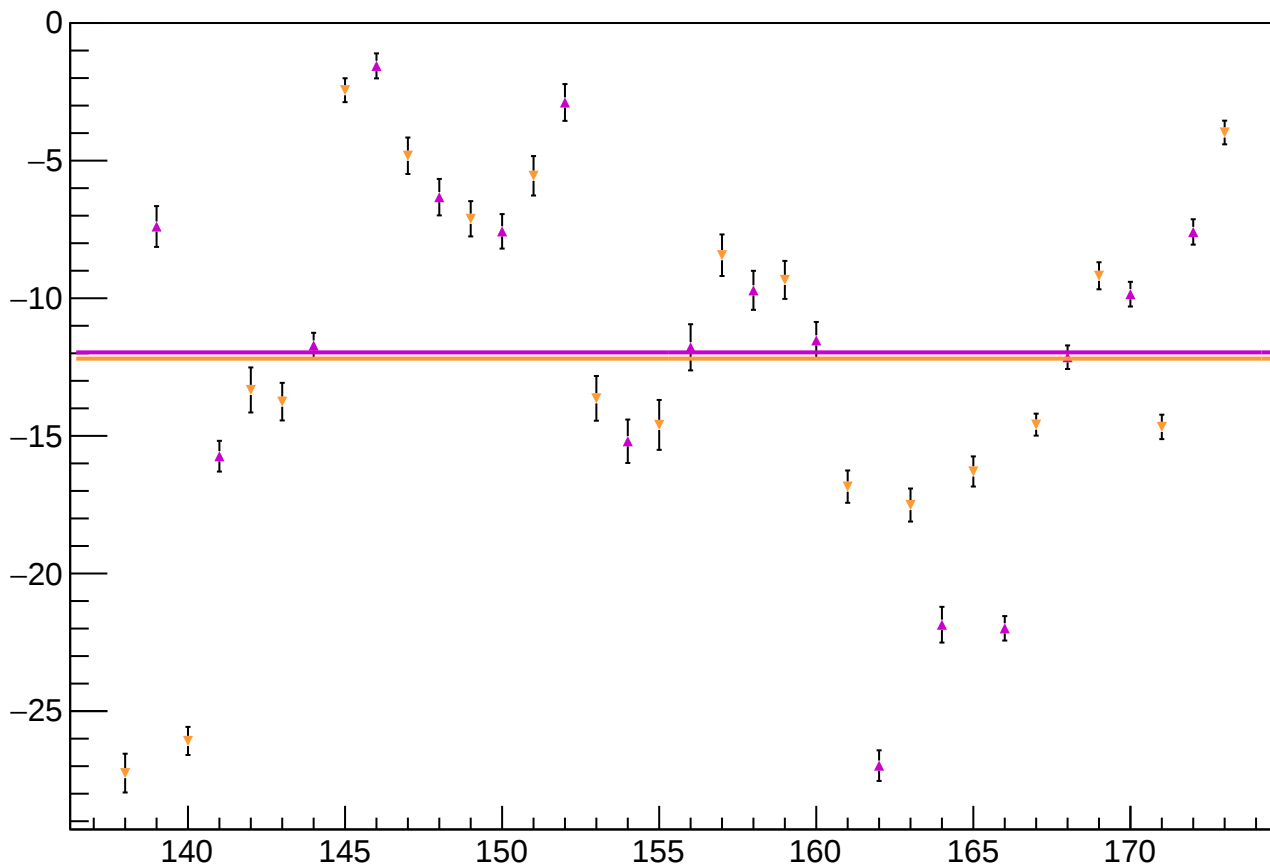
Left In: 0.002 $\pm$ 0.002 χ^2/NDF :374.0/16

+ sign 0.010 $\pm$ 0.002 χ^2/NDF : 1656.9/35

All: 0.011 $\pm$ 0.001 χ^2/NDF : 3597.3/71

- sign 0.012 $\pm$ 0.002 χ^2/NDF : 1939.5/35

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -12.194+/-0.131 χ^2/NDF : 2700.2/18

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

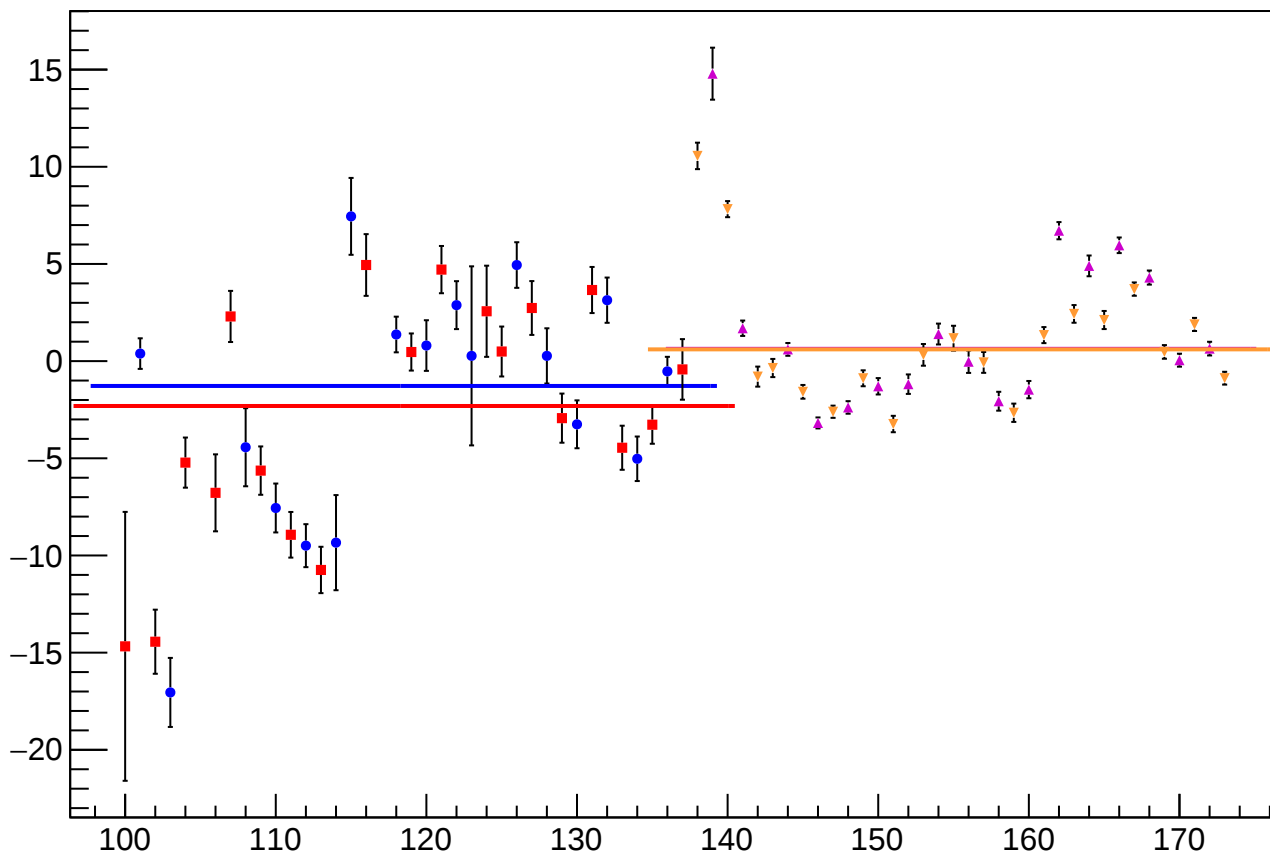
Left In: -11.966+/-0.135 χ^2/NDF : 2524.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.083+/-0.094 χ^2/NDF : 5226.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 $\pm$ 0.292 χ^2 /NDF: 276.5/16

Left Out: 0.605 $\pm$ 0.096 χ^2 /NDF:964.1/18

Right Out: -2.309 $\pm$ 0.302 χ^2 /NDF: 285.3/18

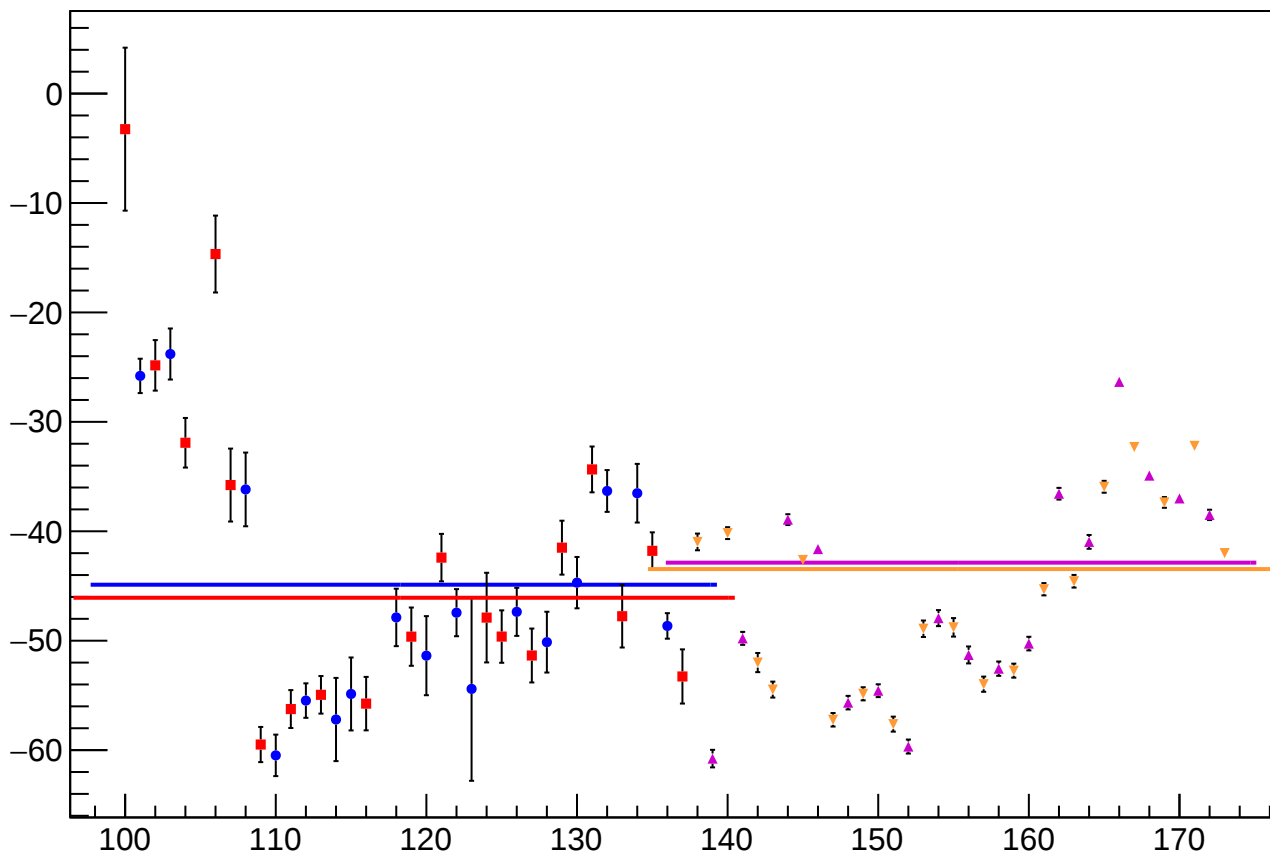
Left In: 0.633 $\pm$ 0.098 χ^2 /NDF:1012.1/16

+ sign 0.423 $\pm$ 0.091 χ^2 /NDF: 1278.1/35

All: 0.388 $\pm$ 0.065 χ^2 /NDF: 2661.3/71

- sign 0.351 $\pm$ 0.094 χ^2 /NDF: 1383.0/35

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -43.454 ± 0.131 χ^2/NDF : 3939.3/18

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

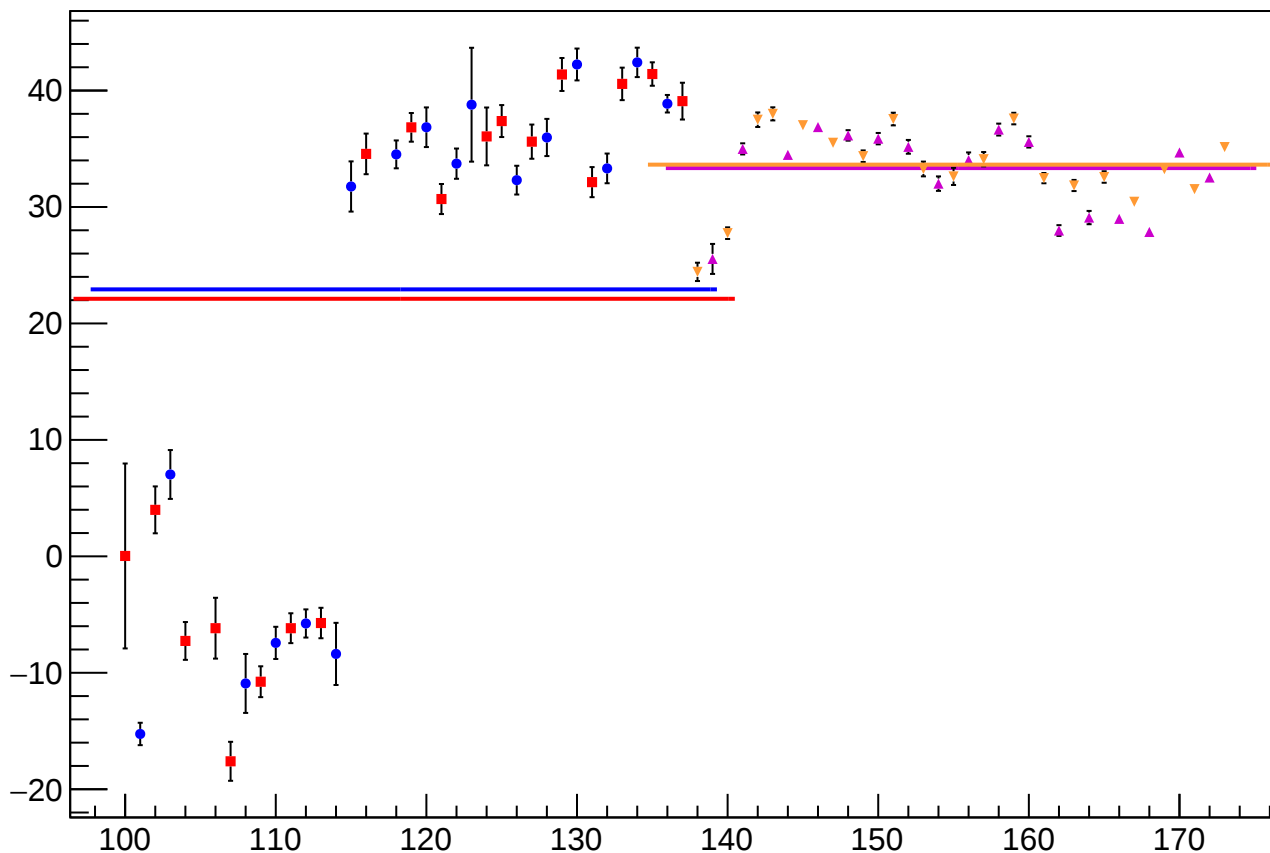
Left In: -42.867 ± 0.134 χ^2/NDF : 4814.5/16

+ sign -43.539 ± 0.128 χ^2/NDF : 4367.3/35

All: -43.304 ± 0.091 χ^2/NDF : 9677.6/71

- sign -43.060 ± 0.130 χ^2/NDF : 5303.4/35

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 33.637 $\pm$ 0.110 χ^2 /NDF: 729.3/18

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

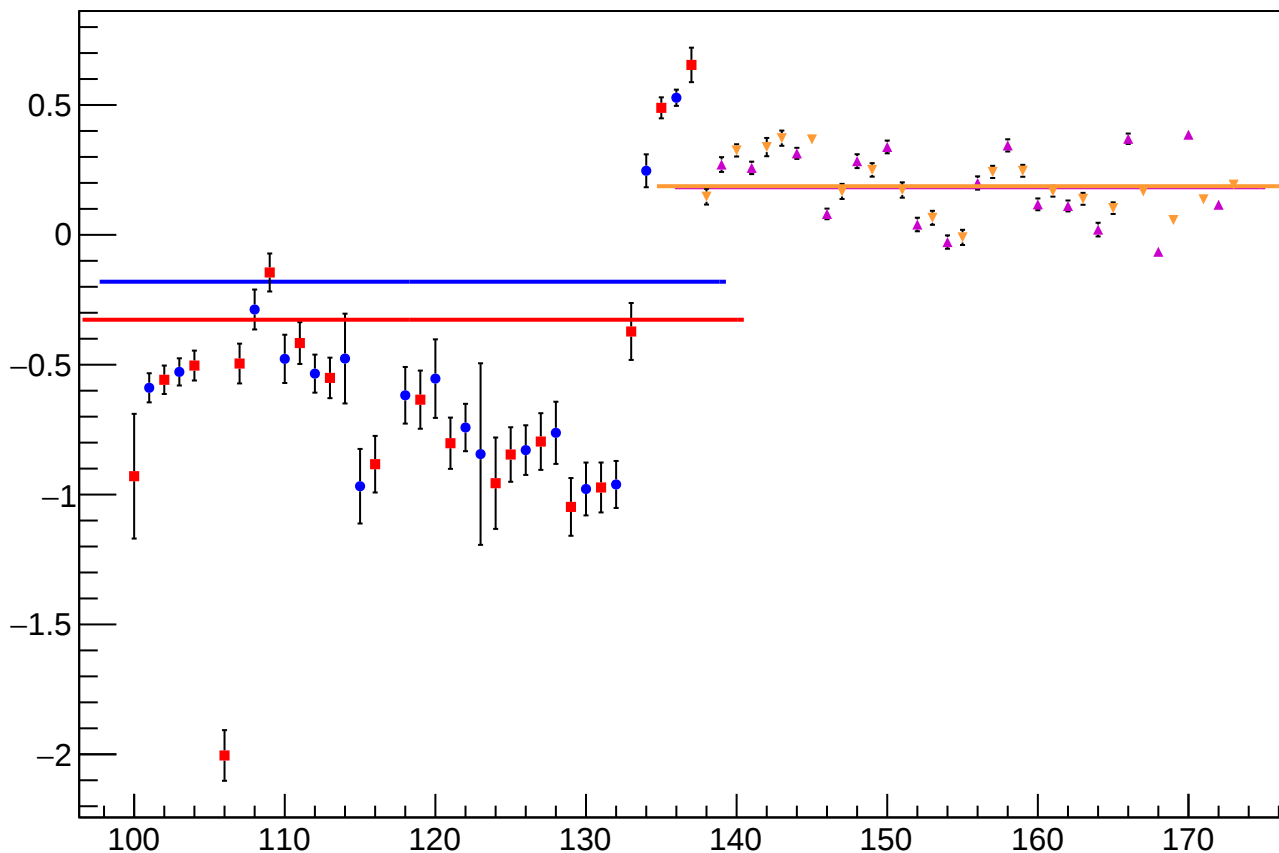
Left In: 33.341 $\pm$ 0.114 χ^2 /NDF: 779.1/16

+ sign 32.563 $\pm$ 0.104 χ^2 /NDF: 6018.5/35

All: 32.394 $\pm$ 0.075 χ^2 /NDF: 11817.0/71

- sign 32.213 $\pm$ 0.108 χ^2 /NDF: 5793.0/35

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.187 ± 0.005 χ^2/NDF : 360.7/18

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

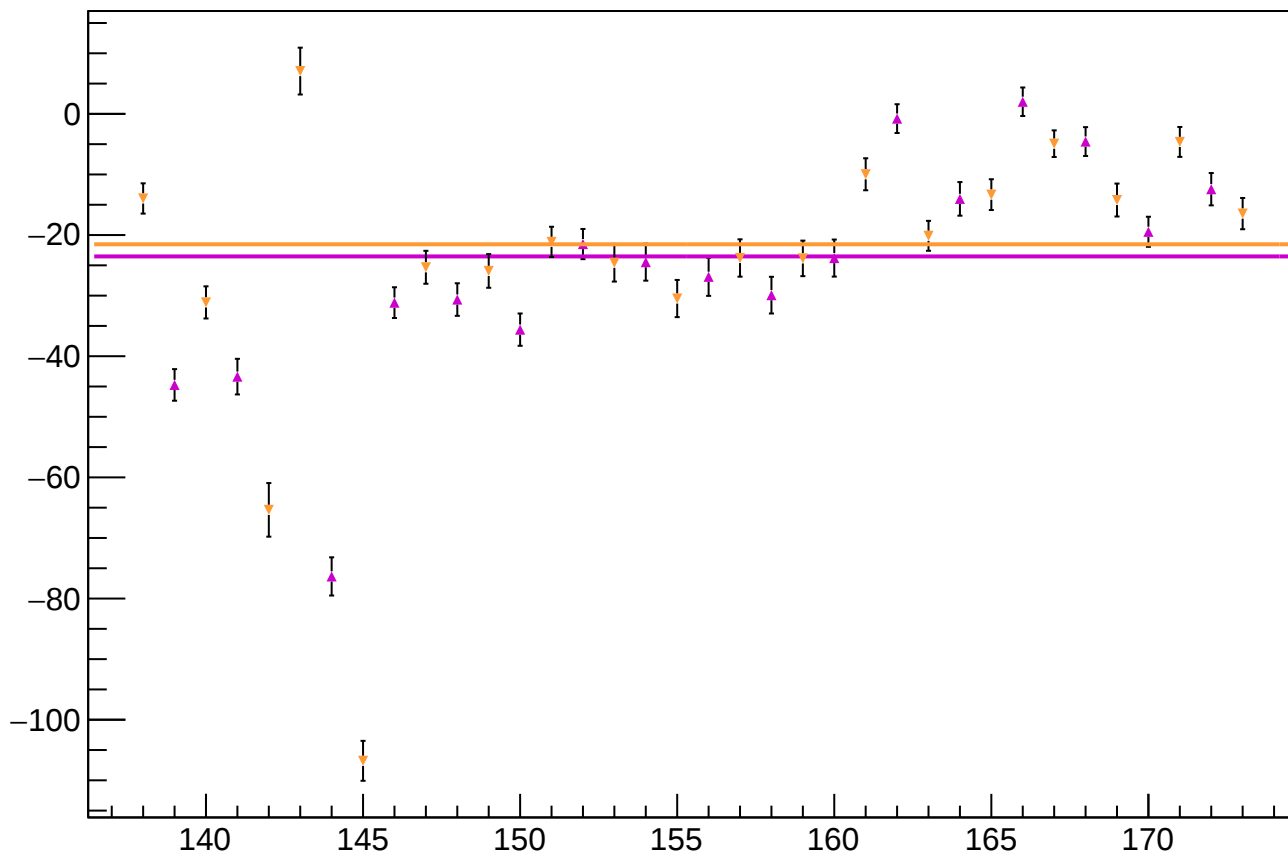
Left In: 0.183 ± 0.005 χ^2/NDF : 824.5/16

+ sign 0.159 ± 0.005 χ^2/NDF : 1752.4/35

All: 0.152 ± 0.004 χ^2/NDF : 4482.2/71

- sign 0.144 ± 0.005 χ^2/NDF : 2724.9/35

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -21.527+/-0.634 χ^2/NDF :1003.9/18

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

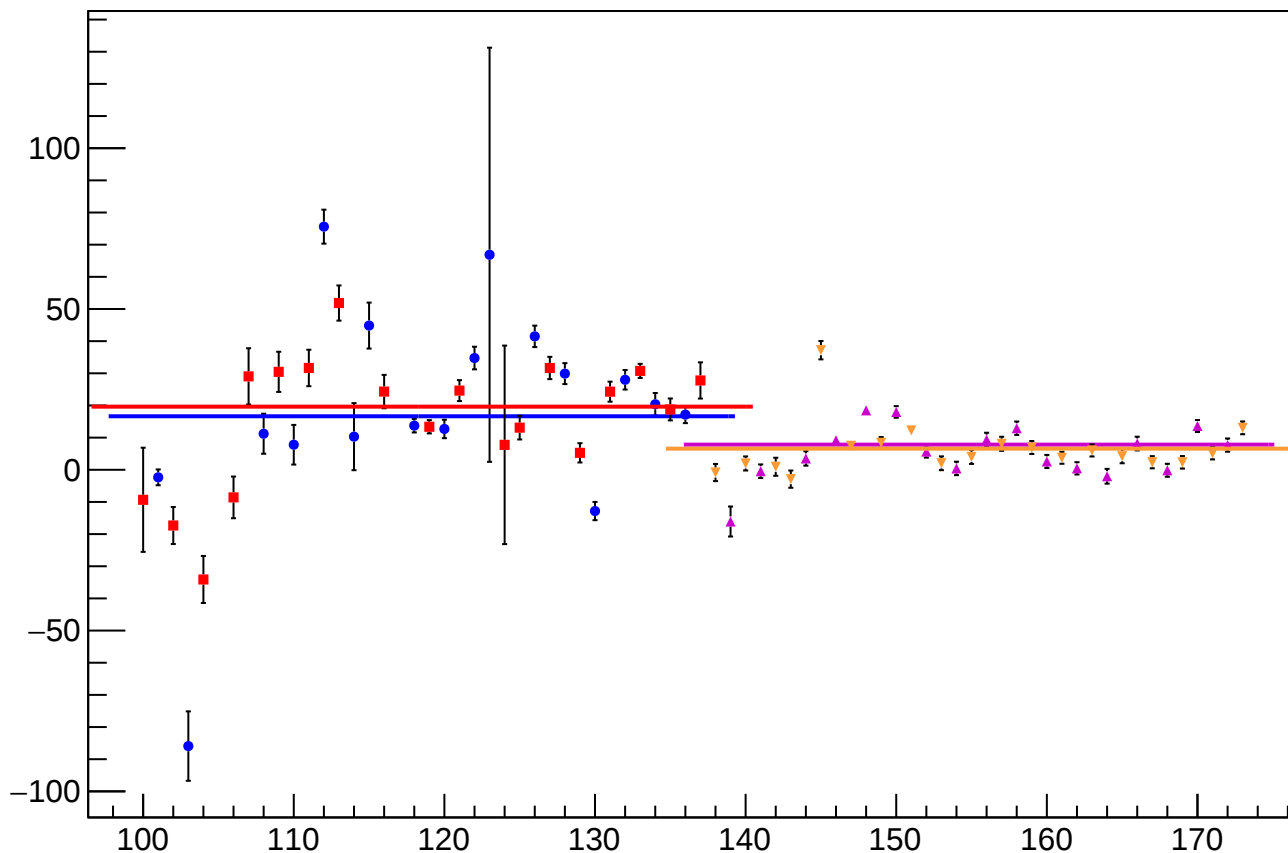
Left In: -23.528+/-0.652 χ^2/NDF :739.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -22.499+/-0.455 χ^2/NDF : 1748.5/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 6.568 ± 0.453 χ^2/NDF : 191.7/18

Right Out: 19.632 ± 0.896 χ^2/NDF : 241.7/18

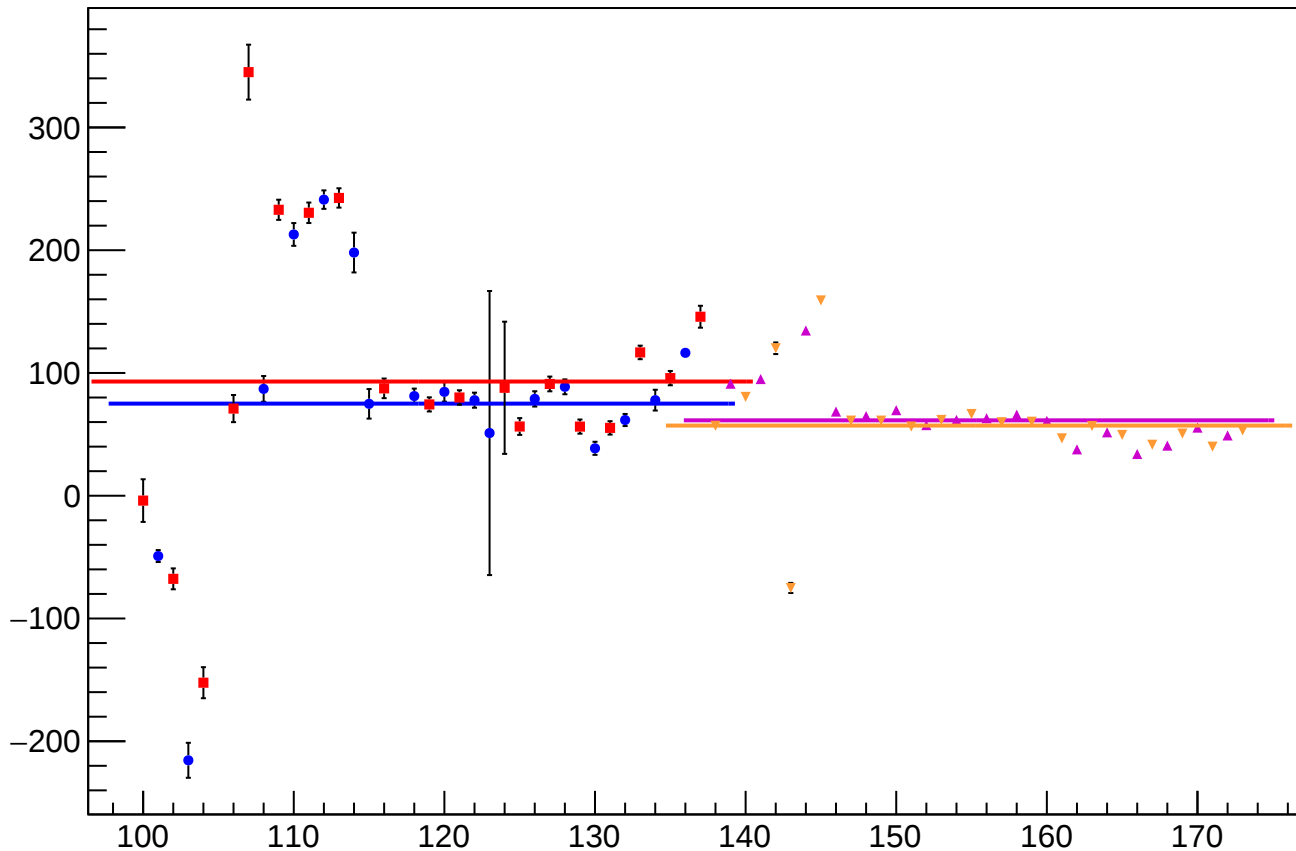
Left In: 7.819 ± 0.474 χ^2/NDF : 229.8/16

+ sign 8.758 ± 0.400 χ^2/NDF : 818.3/35

All: 9.541 ± 0.289 χ^2/NDF : 1433.6/71

- sign 10.397 ± 0.419 χ^2/NDF : 607.3/35

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 57.153 ± 0.626 χ^2/NDF : 2310.3/18

Right Out: 93.028 ± 1.711 χ^2/NDF : 2003.6/18

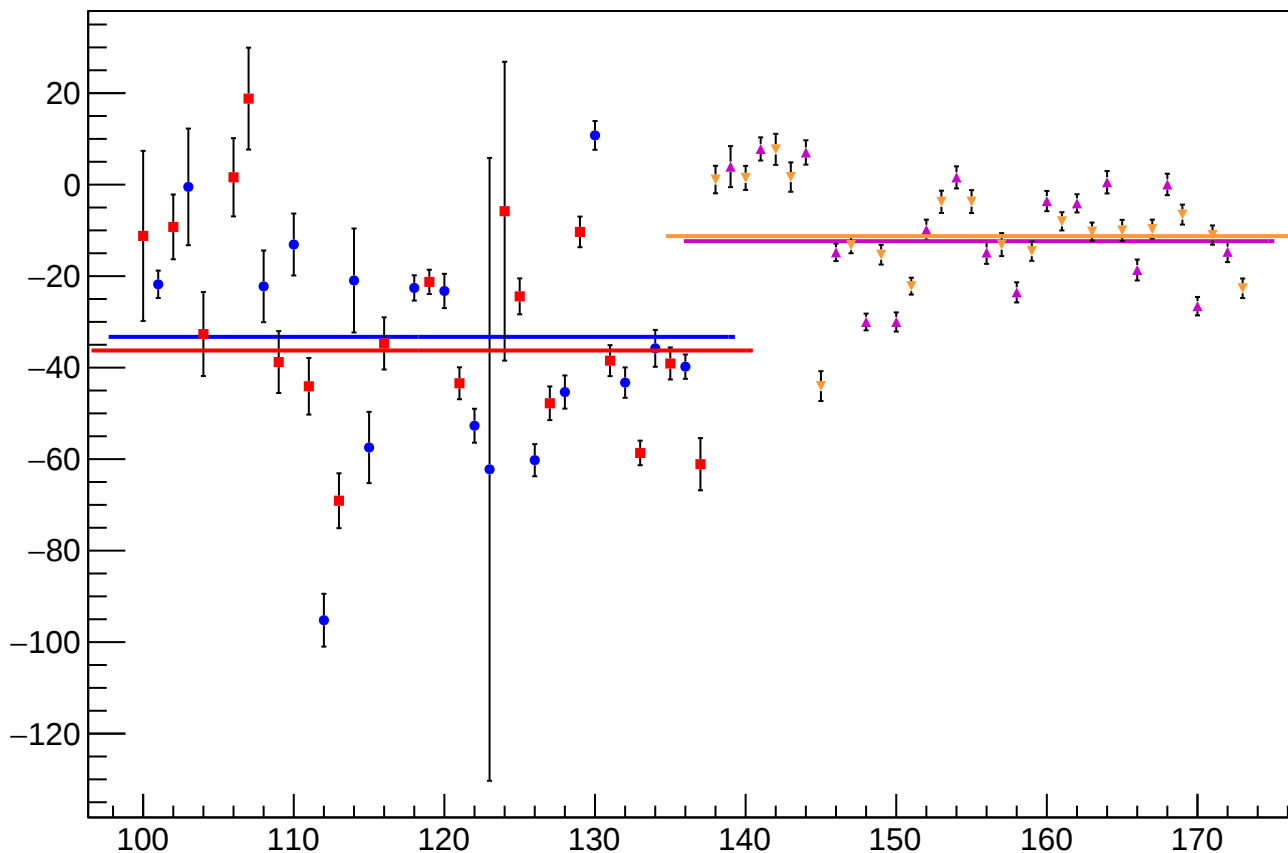
Left In: 61.423 ± 0.640 χ^2/NDF : 1075.4/16

+ sign 59.410 ± 0.585 χ^2/NDF : 4413.0/35

All: 62.284 ± 0.419 χ^2/NDF : 7840.6/71

- sign 65.299 ± 0.599 χ^2/NDF : 3378.2/35

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -11.258 ± 0.523 χ^2/NDF : 287.0/18

Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

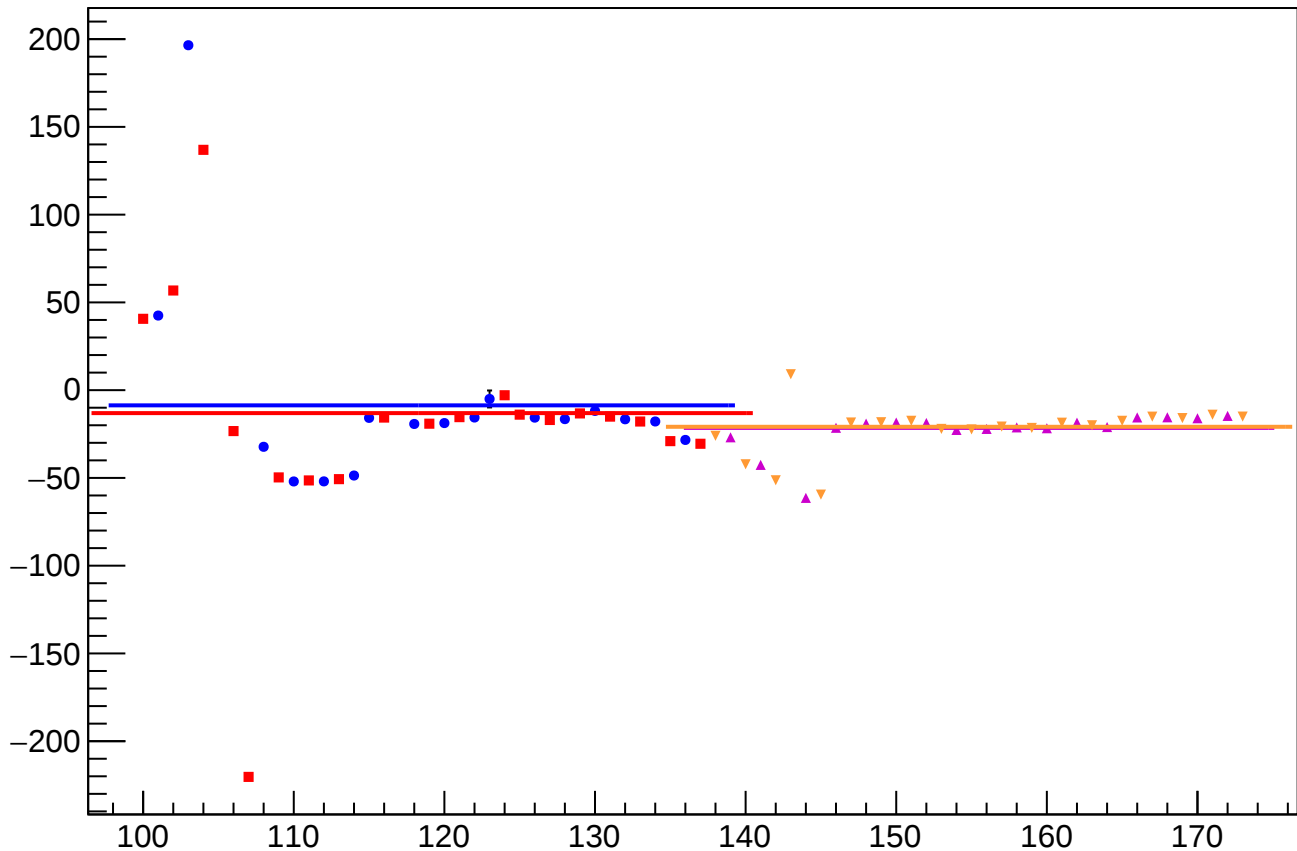
Left In: -12.359 ± 0.548 χ^2/NDF : 504.5/16

+ sign -16.127 ± 0.462 χ^2/NDF : 1167.8/35

All: -16.865 ± 0.334 χ^2/NDF : 2398.7/71

- sign -17.673 ± 0.483 χ^2/NDF : 1225.5/35

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -20.866 ± 0.024 $\chi^2/\text{NDF}: 193249.8/18$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

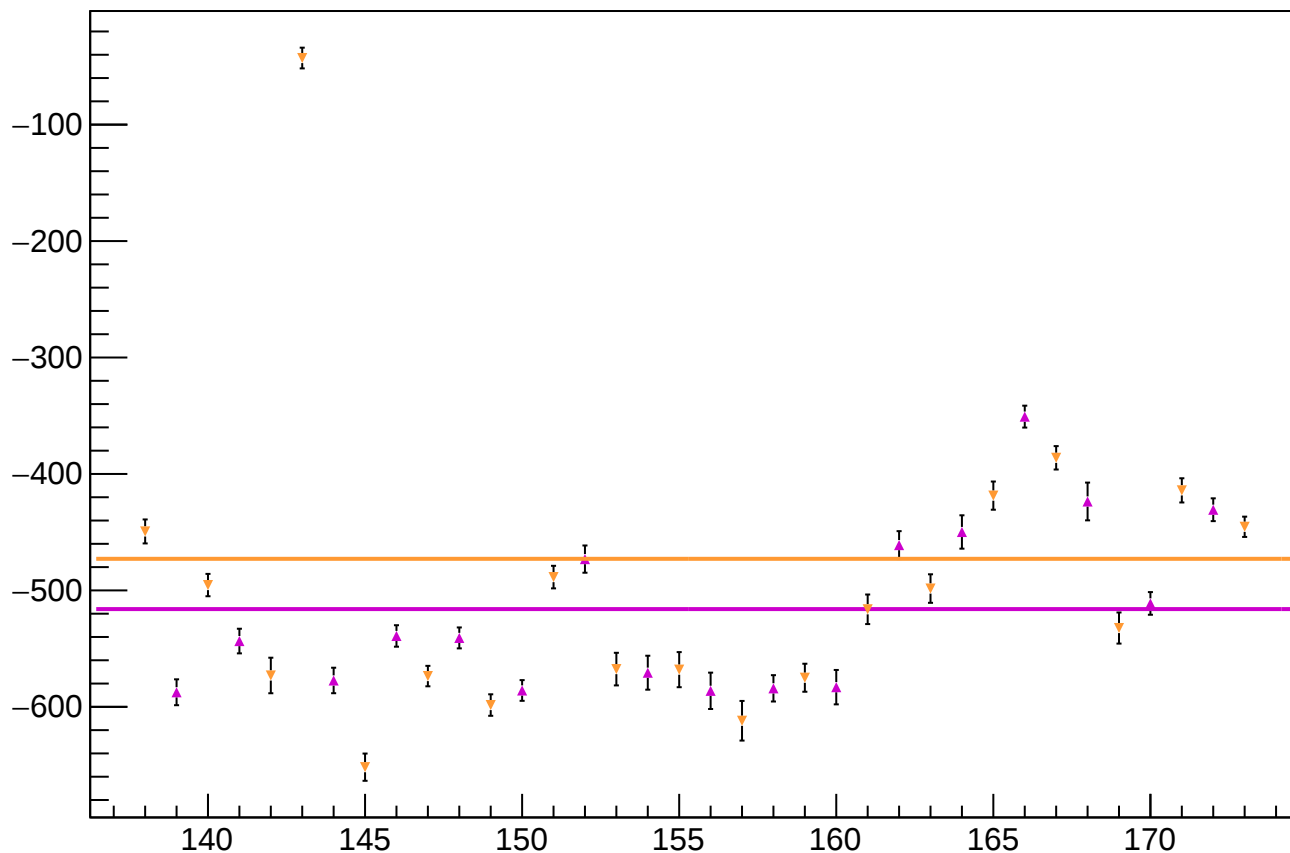
Left In: -21.505 ± 0.025 $\chi^2/\text{NDF}: 123512.3/16$

+ sign -19.105 ± 0.022 $\chi^2/\text{NDF}: 805536.3/35$

All: -19.700 ± 0.016 $\chi^2/\text{NDF}: 1504803.3/71$

- sign -20.329 ± 0.023 $\chi^2/\text{NDF}: 697821.8/35$

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -472.872 ± 2.521 χ^2/NDF : 3339.0/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

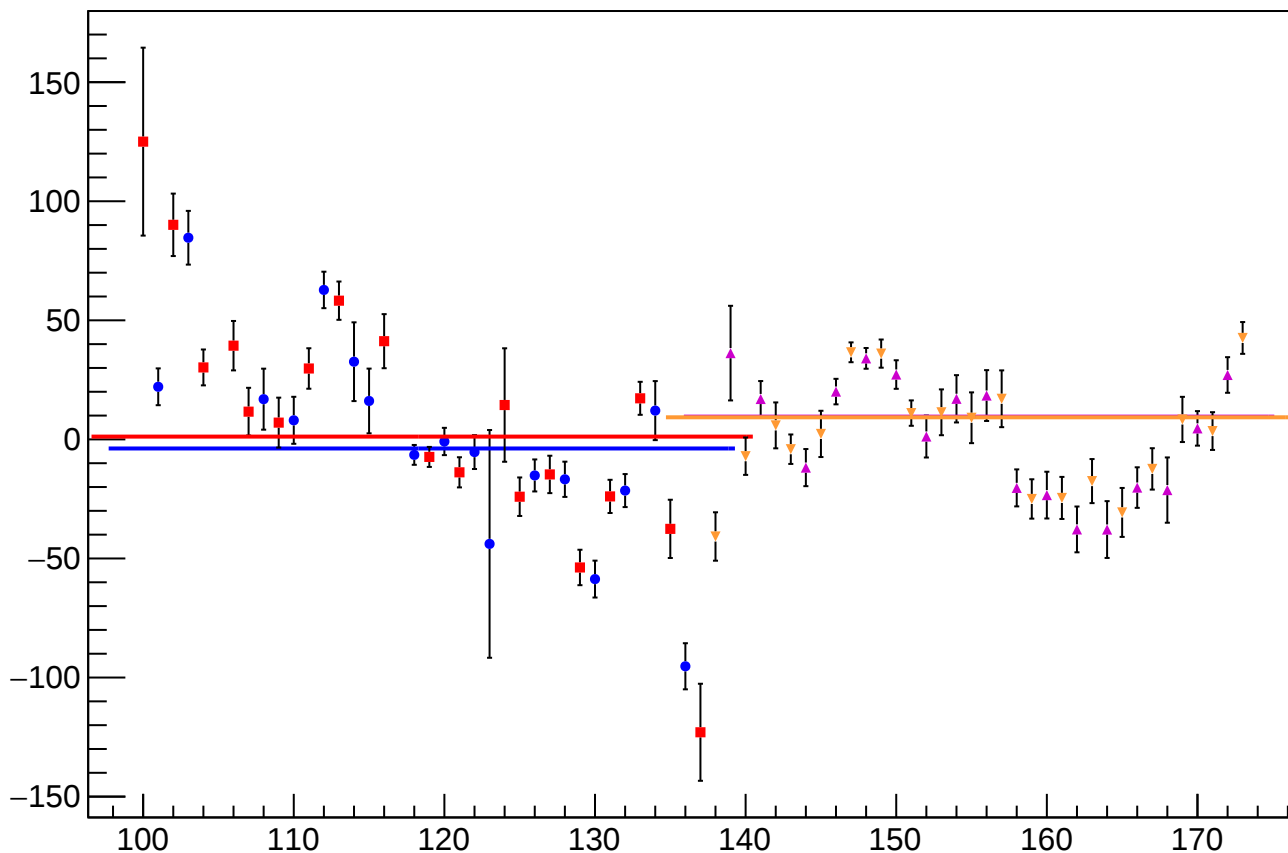
Left In: -516.043 ± 2.686 χ^2/NDF : 719.3/16

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -493.090 ± 1.838 χ^2/NDF : 4195.7/35

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 9.276 ± 1.733 χ^2/NDF : 185.0/18

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

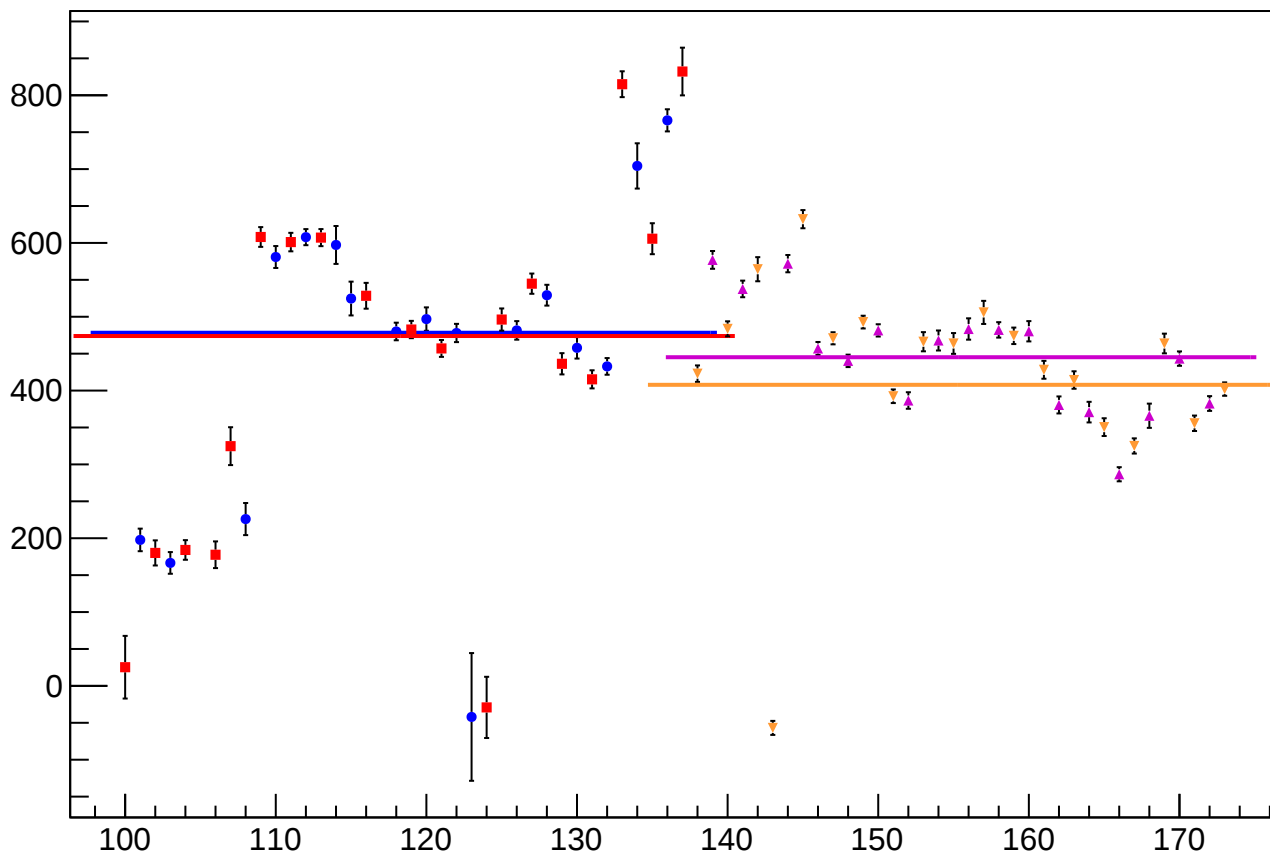
Left In: 9.561 ± 1.874 χ^2/NDF : 146.0/16

+ sign 3.408 ± 1.287 χ^2/NDF : 524.9/35

All: 4.391 ± 0.928 χ^2/NDF : 985.8/71

- sign 5.455 ± 1.339 χ^2/NDF : 459.6/35

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 ± 3.662 χ^2/NDF : 1628.8/16

Left Out: 407.803 ± 2.505 χ^2/NDF : 3277.1/18

Right Out: 473.902 ± 3.531 χ^2/NDF : 2285.0/18

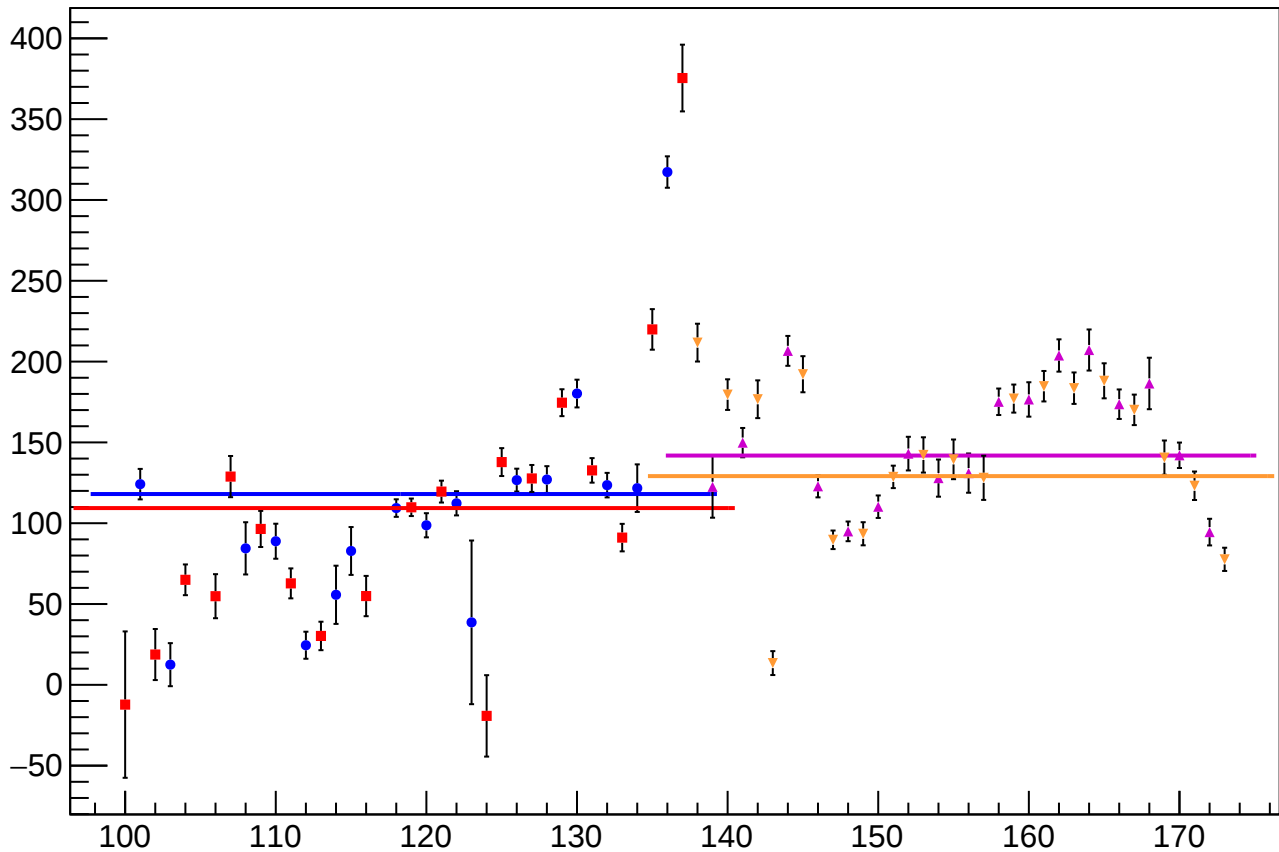
Left In: 445.183 ± 2.636 χ^2/NDF : 778.1/16

+ sign 430.282 ± 2.067 χ^2/NDF : 5158.7/35

All: 442.601 ± 1.477 χ^2/NDF : 8336.8/71

- sign 455.459 ± 2.112 χ^2/NDF : 3105.6/35

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 129.144 ± 2.045 $\chi^2/\text{NDF}: 643.6/18$

Right Out: 109.367 ± 2.205 $\chi^2/\text{NDF}: 569.8/18$

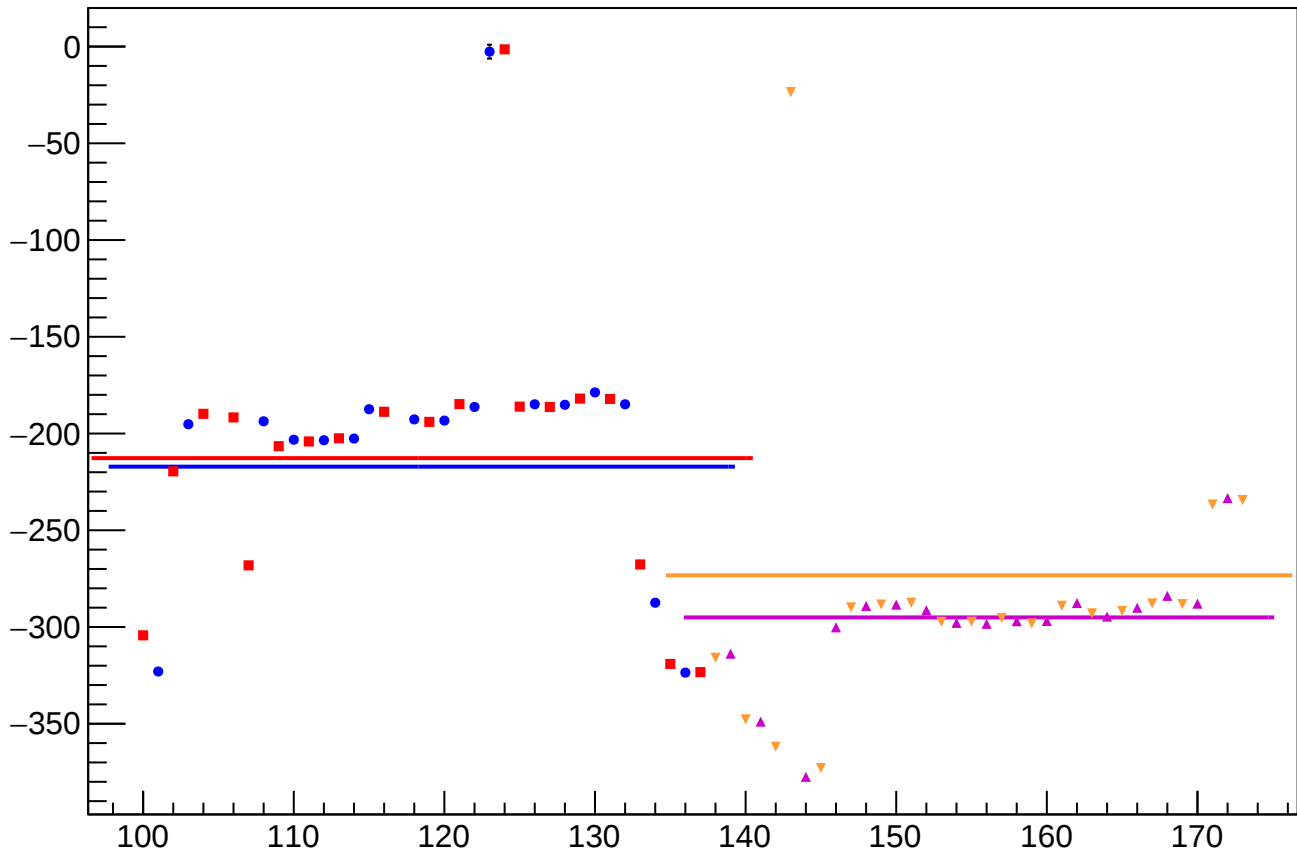
Left In: 141.863 ± 2.205 $\chi^2/\text{NDF}: 285.7/16$

+ sign 124.067 ± 1.506 $\chi^2/\text{NDF}: 1362.4/35$

All: 124.814 ± 1.083 $\chi^2/\text{NDF}: 2327.0/71$

- sign 125.615 ± 1.559 $\chi^2/\text{NDF}: 964.1/35$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -273.277 ± 0.099 $\chi^2/\text{NDF}: 574549.1/18$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

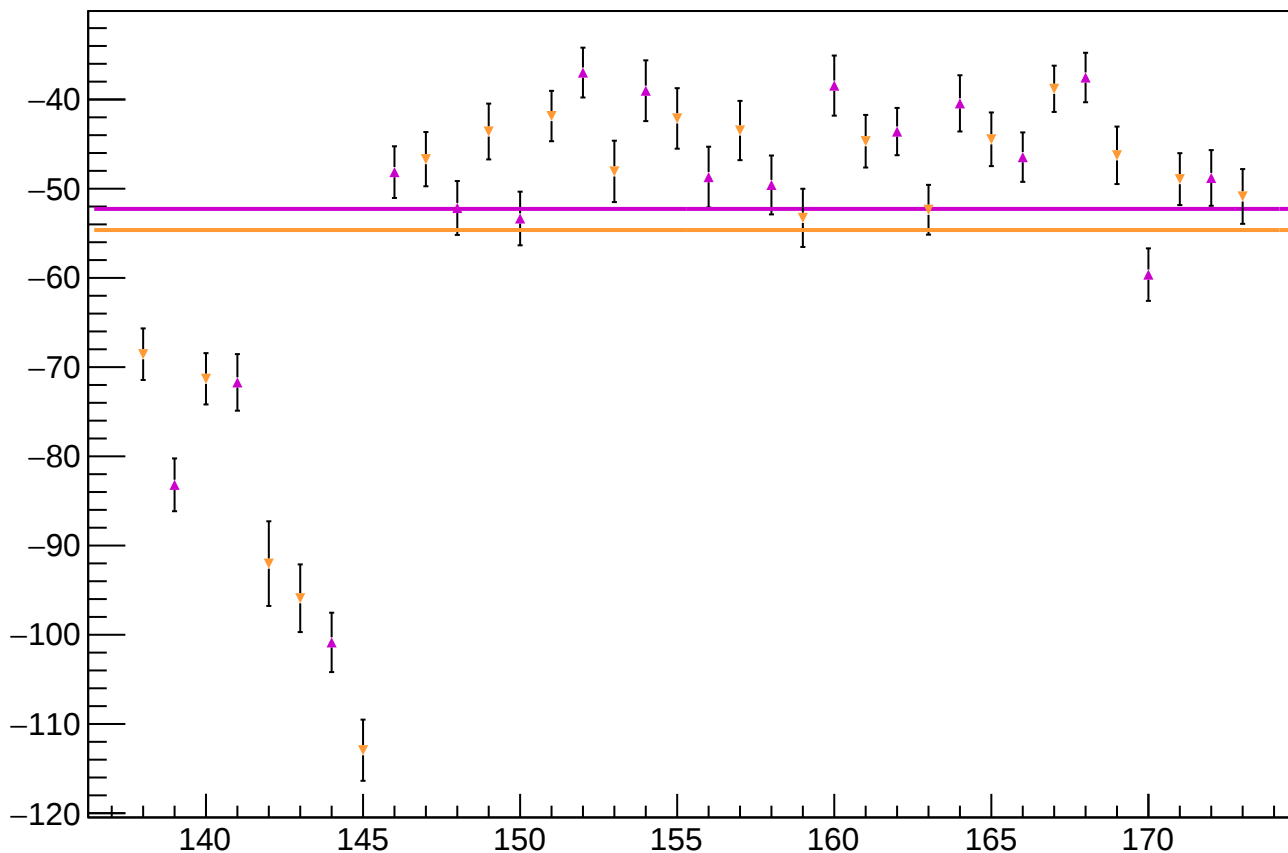
Left In: -295.040 ± 0.104 $\chi^2/\text{NDF}: 74101.6/16$

+ sign -253.945 ± 0.080 $\chi^2/\text{NDF}: 831975.2/35$

All: -258.375 ± 0.057 $\chi^2/\text{NDF}: 1271810.8/71$

- sign -262.934 ± 0.081 $\chi^2/\text{NDF}: 433633.9/35$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -54.634+/-0.715 χ^2/NDF : 667.9/18

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

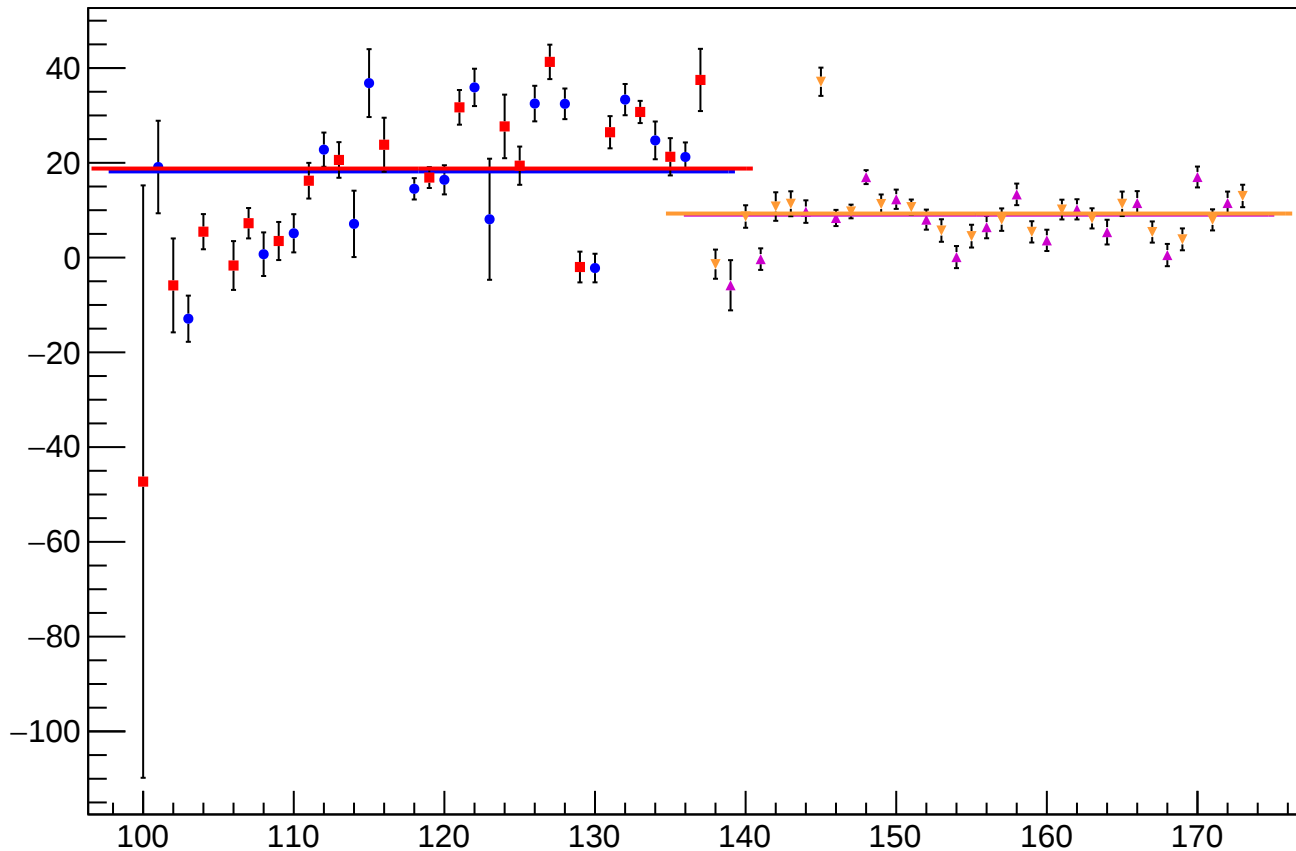
Left In: -52.264+/-0.736 χ^2/NDF : 490.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -53.484+/-0.513 χ^2/NDF : 1164.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.294 ± 0.509 χ^2/NDF : 123.7/18

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

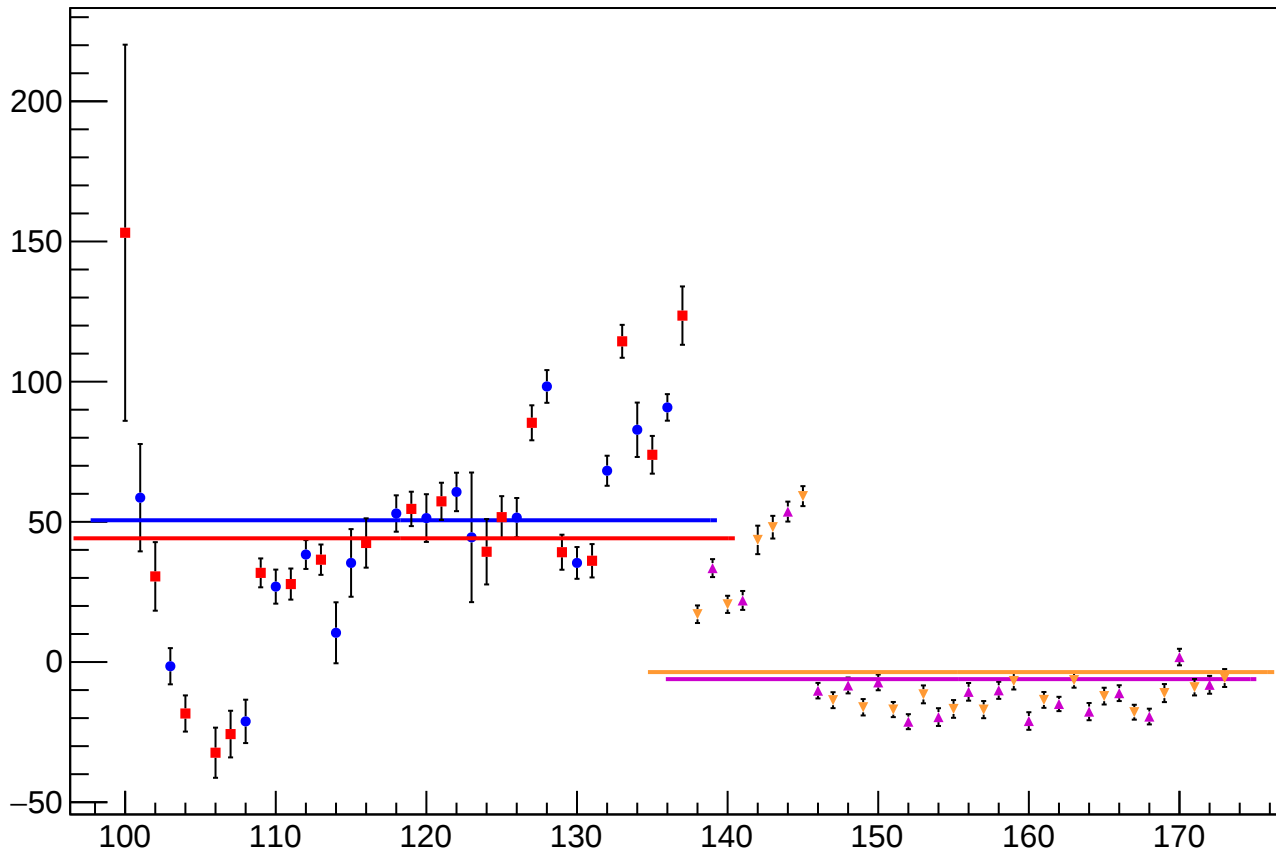
Left In: 9.057 ± 0.533 χ^2/NDF : 112.9/16

+ sign 11.388 ± 0.445 χ^2/NDF : 400.5/35

All: 11.565 ± 0.318 χ^2/NDF : 804.5/71

- sign 11.749 ± 0.454 χ^2/NDF : 403.7/35

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: -3.584+/-0.706 χ^2/NDF : 824.4/18

Right Out: 44.132+/-1.603 χ^2/NDF : 532.5/18

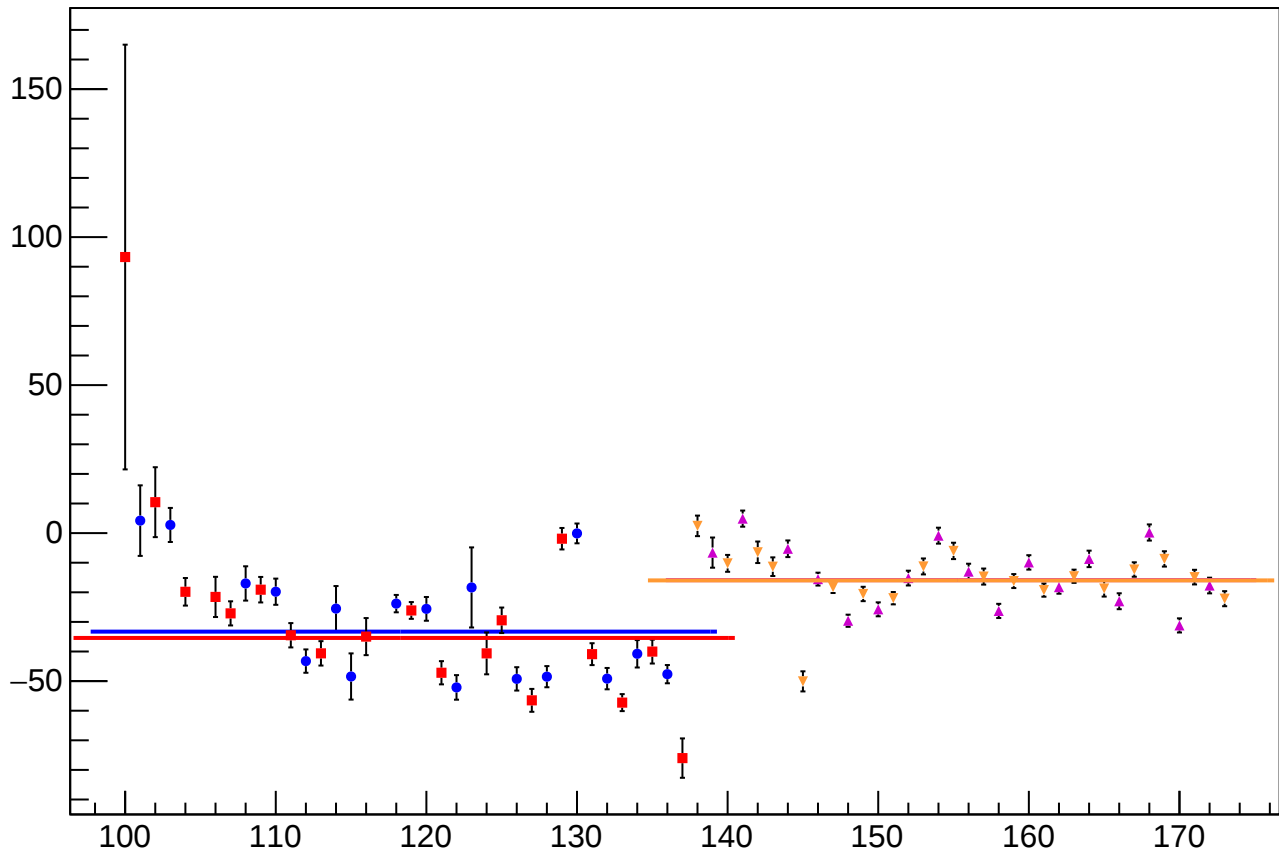
Left In: -6.098+/-0.722 χ^2/NDF : 643.4/16

+ sign 4.559+/-0.651 χ^2/NDF : 2067.6/35

All: 3.477+/-0.463 χ^2/NDF : 4066.0/71

- sign 2.370+/-0.658 χ^2/NDF : 1992.8/35

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -15.977 ± 0.590 χ^2/NDF : 191.3/18

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

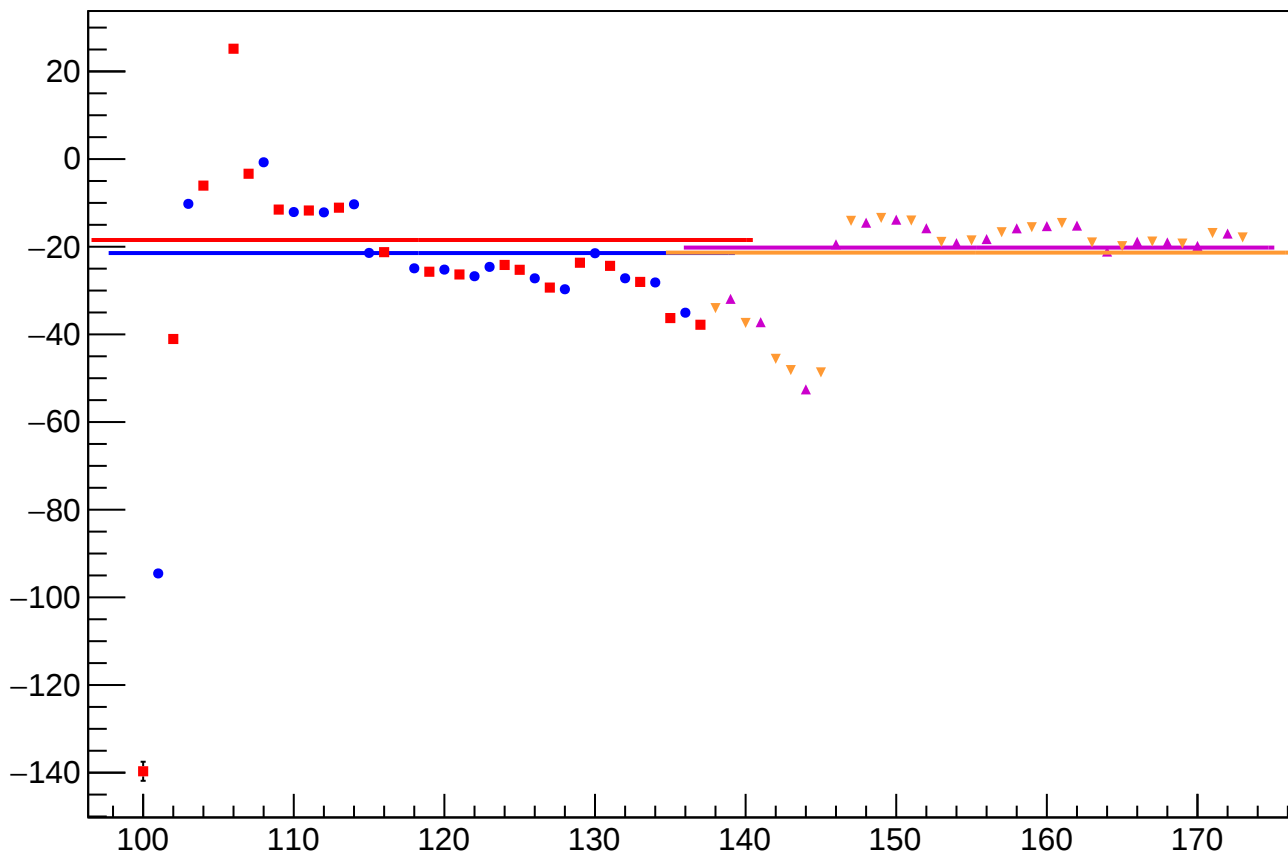
Left In: -15.887 ± 0.617 χ^2/NDF : 286.0/16

+ sign -20.165 ± 0.513 χ^2/NDF : 689.9/35

All: -20.739 ± 0.367 χ^2/NDF : 1547.9/71

- sign -21.337 ± 0.524 χ^2/NDF : 855.5/35

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442+/-0.059 χ^2/NDF : 48968.5/16

Left Out: -21.342+/-0.027 χ^2/NDF :129660.6/18

Right Out: -18.463+/-0.057 χ^2/NDF : 80470.6/18

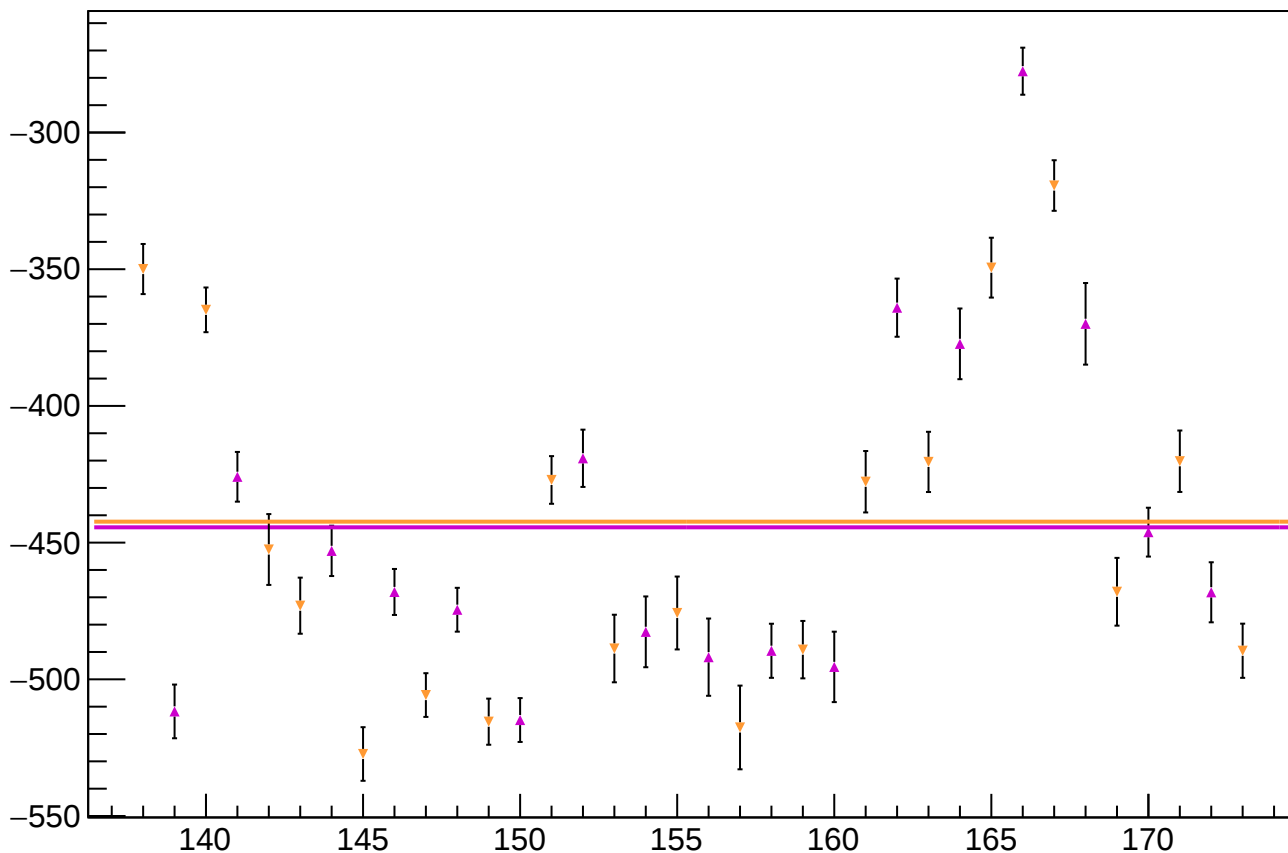
Left In: -20.195+/-0.028 χ^2/NDF :83964.8/16

+ sign -21.360+/-0.025 χ^2/NDF : 178631.4/35

All: -20.622+/-0.018 χ^2/NDF : 345598.4/71

- sign -19.861+/-0.025 χ^2/NDF : 165170.4/35

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -442.332+/-2.345 χ^2/NDF : 766.9/18

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

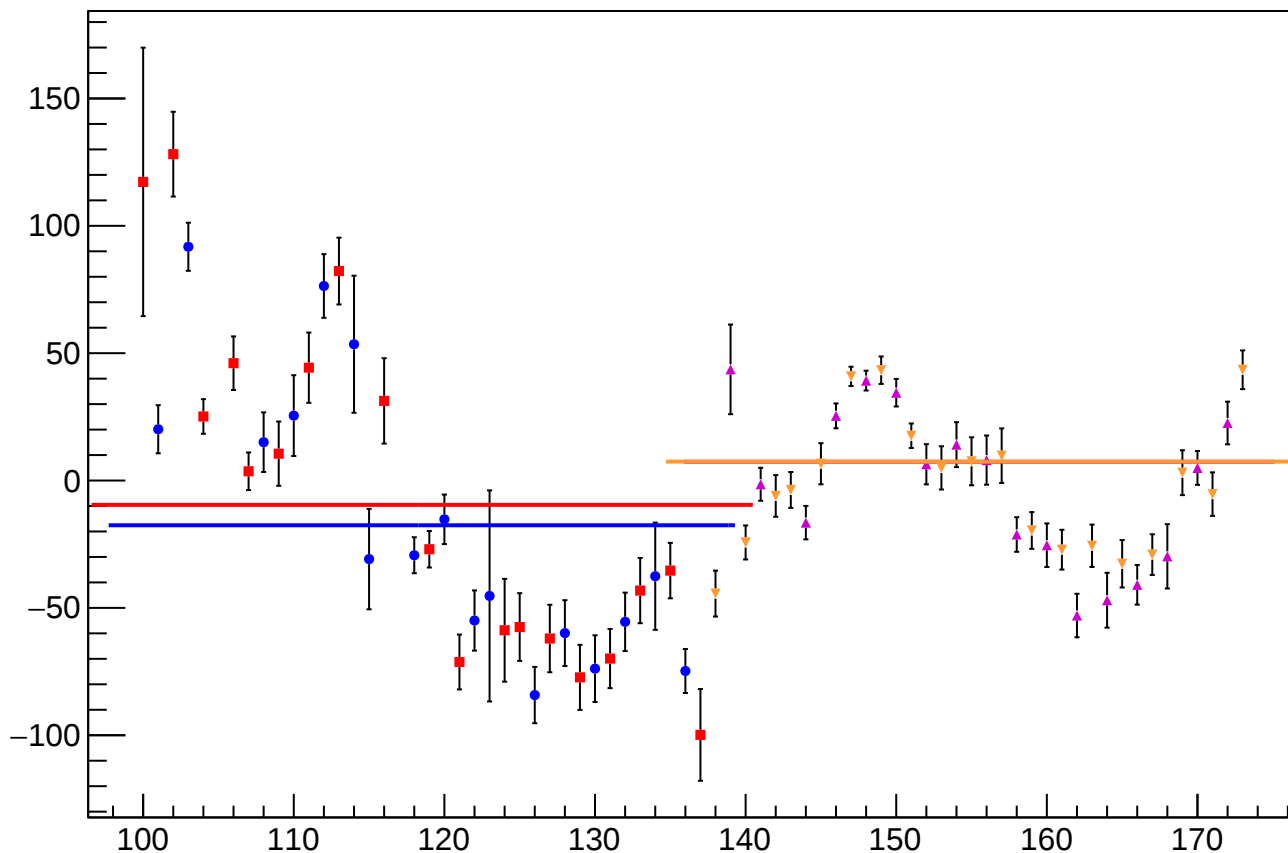
Left In: -444.406+/-2.429 χ^2/NDF : 702.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -443.333+/-1.687 χ^2/NDF : 1470.2/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 7.430 ± 1.607 χ^2/NDF : 301.6/18

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

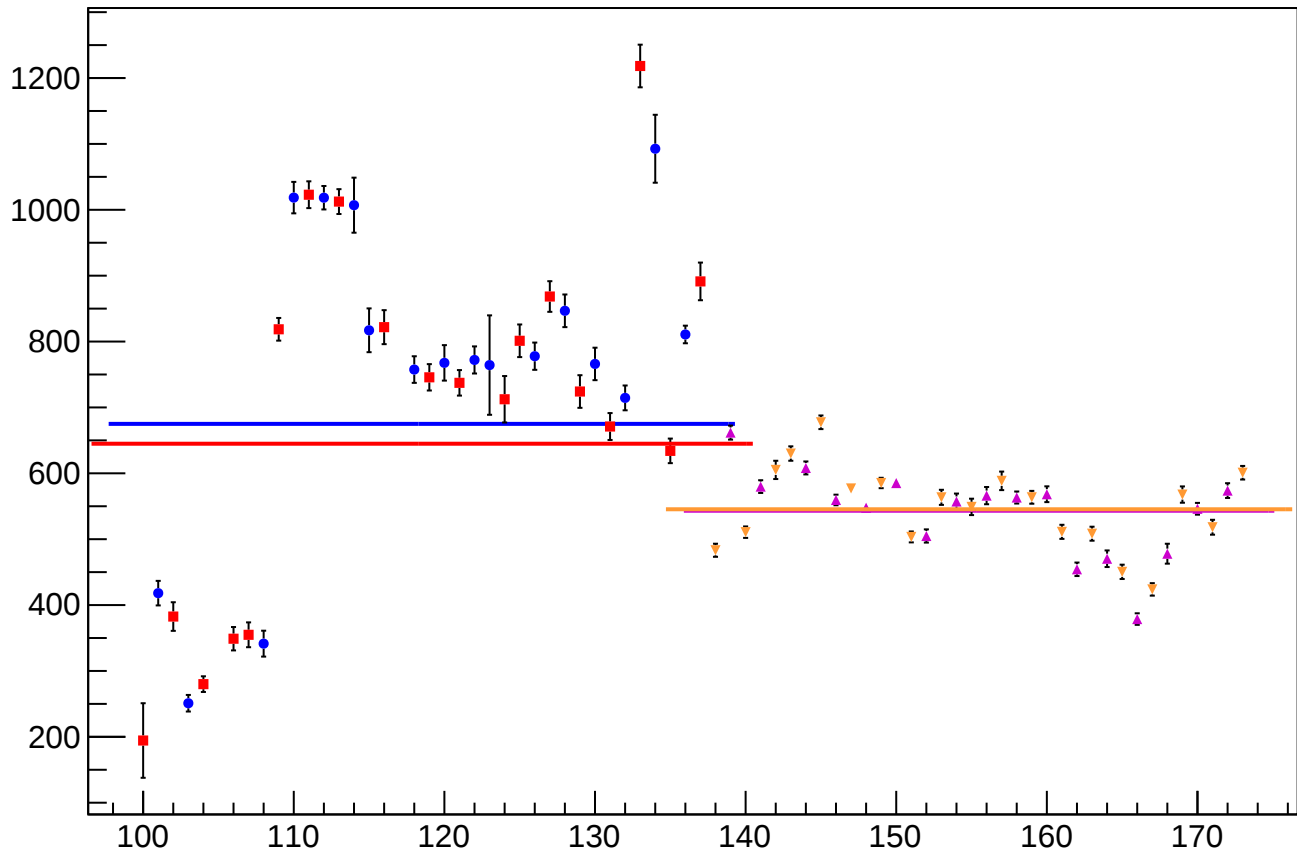
Left In: 7.359 ± 1.691 χ^2/NDF : 284.4/16

+ sign 1.306 ± 1.396 χ^2/NDF : 724.6/35

All: 1.823 ± 0.995 χ^2/NDF : 1409.1/71

- sign 2.357 ± 1.419 χ^2/NDF : 684.2/35

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 545.416 $\pm$ 2.323 χ^2 /NDF:682.3/18

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

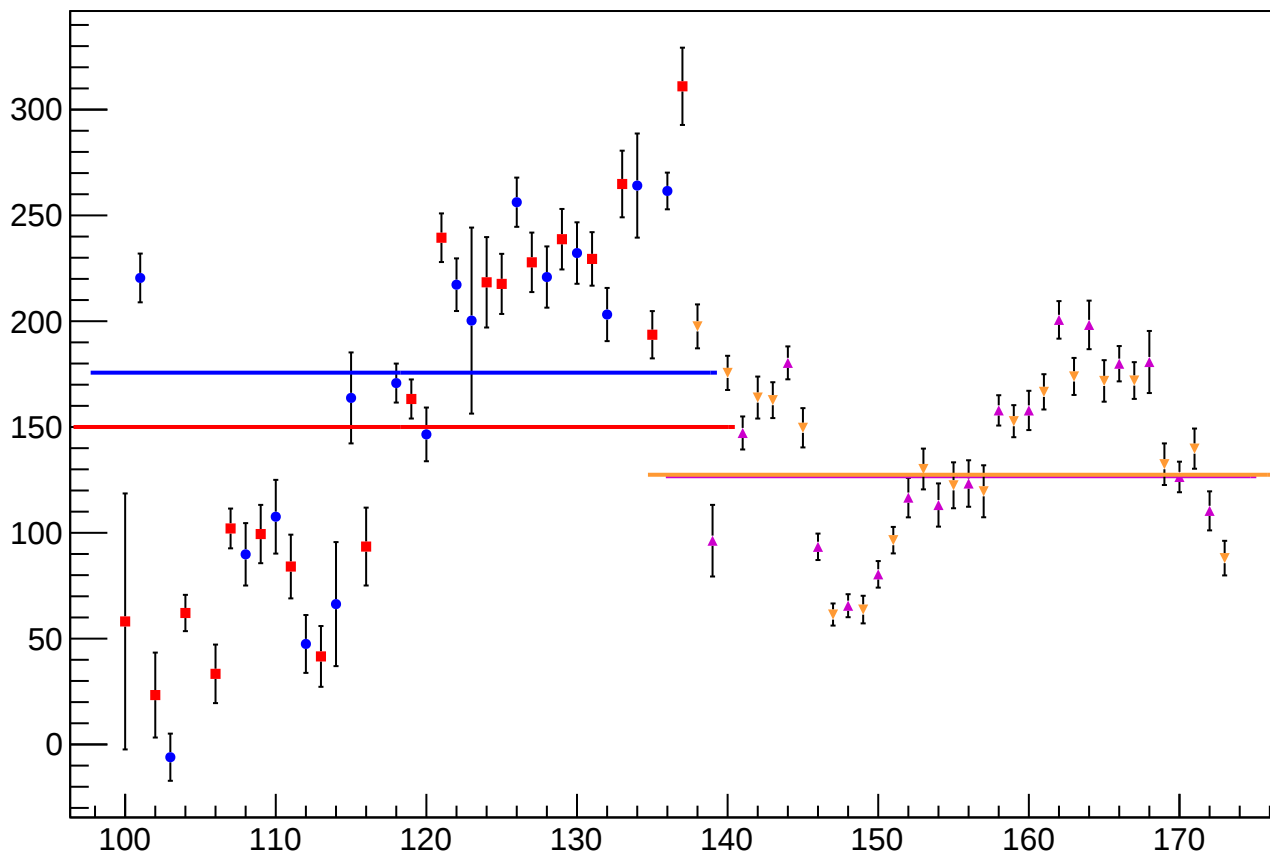
Left In: 543.200 $\pm$ 2.383 χ^2 /NDF:733.1/16

+ sign 567.928 $\pm$ 2.112 χ^2 /NDF: 3807.3/35

All: 565.771 $\pm$ 1.500 χ^2 /NDF: 8029.7/71

- sign 563.575 $\pm$ 2.131 χ^2 /NDF: 4220.2/35

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 127.446 ± 1.901 χ^2/NDF : 531.2/18

Right Out: 150.017 ± 3.042 χ^2/NDF : 693.8/18

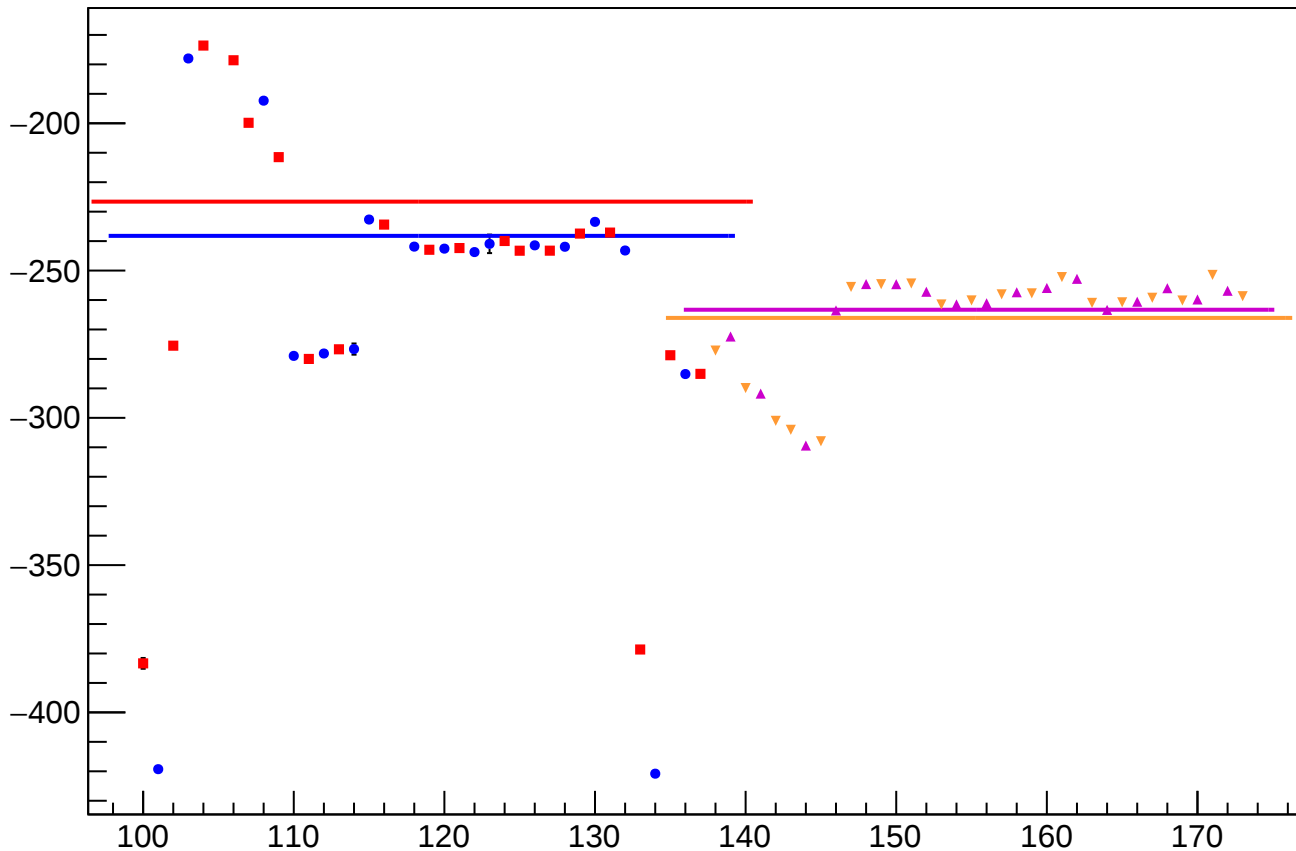
Left In: 126.739 ± 1.992 χ^2/NDF : 466.0/16

+ sign 139.808 ± 1.639 χ^2/NDF : 1334.1/35

All: 136.817 ± 1.169 χ^2/NDF : 2541.5/71

- sign 133.726 ± 1.667 χ^2/NDF : 1200.7/35

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -266.072 ± 0.092 χ^2/NDF : 34538.0/18

Right Out: -226.597 ± 0.151 χ^2/NDF : 102562.3/18

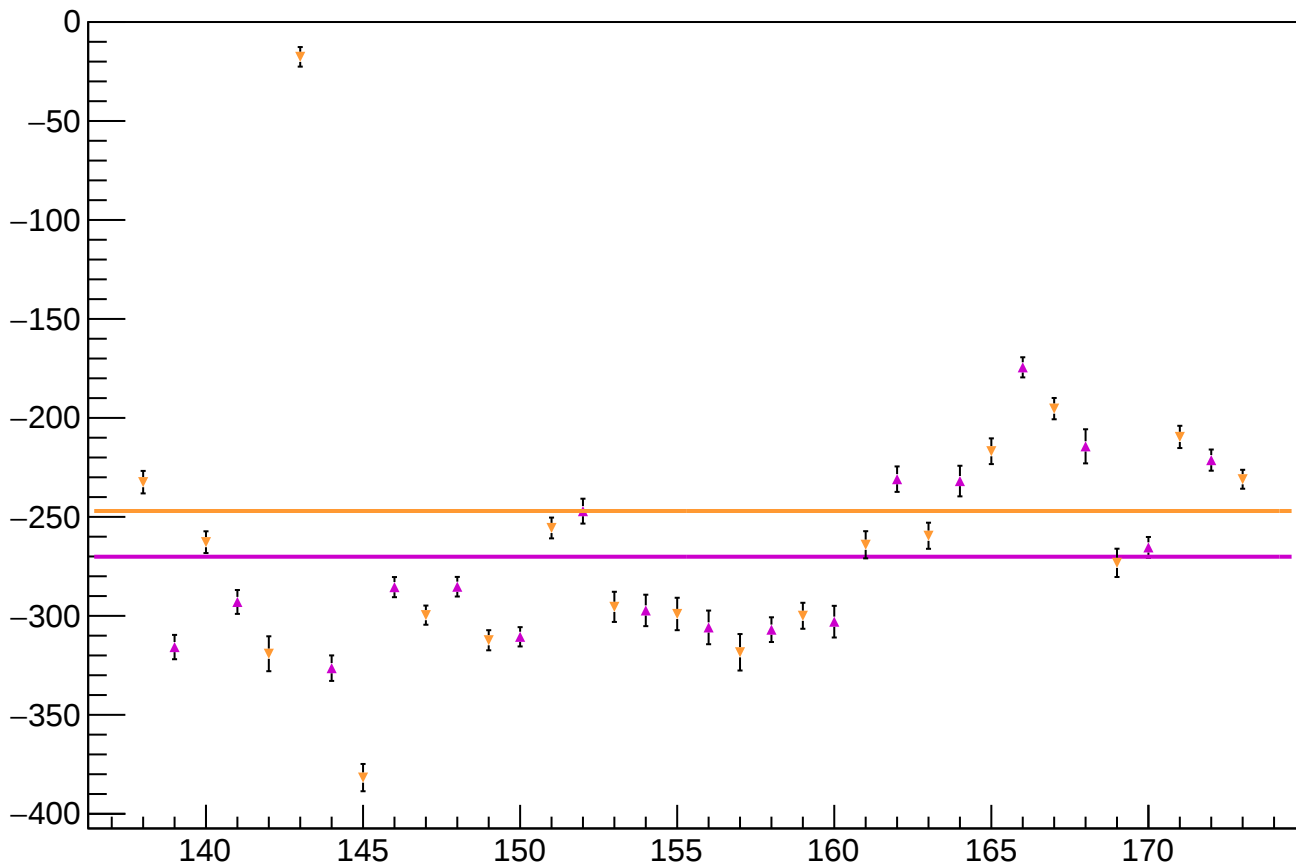
Left In: -263.299 ± 0.094 χ^2/NDF : 20988.8/16

+ sign -259.156 ± 0.080 χ^2/NDF : 224312.2/35

All: -256.089 ± 0.057 χ^2/NDF : 393204.6/71

- sign -253.014 ± 0.080 χ^2/NDF : 165945.2/35

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -247.024+/-1.385 χ^2/NDF : 3299.6/18

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

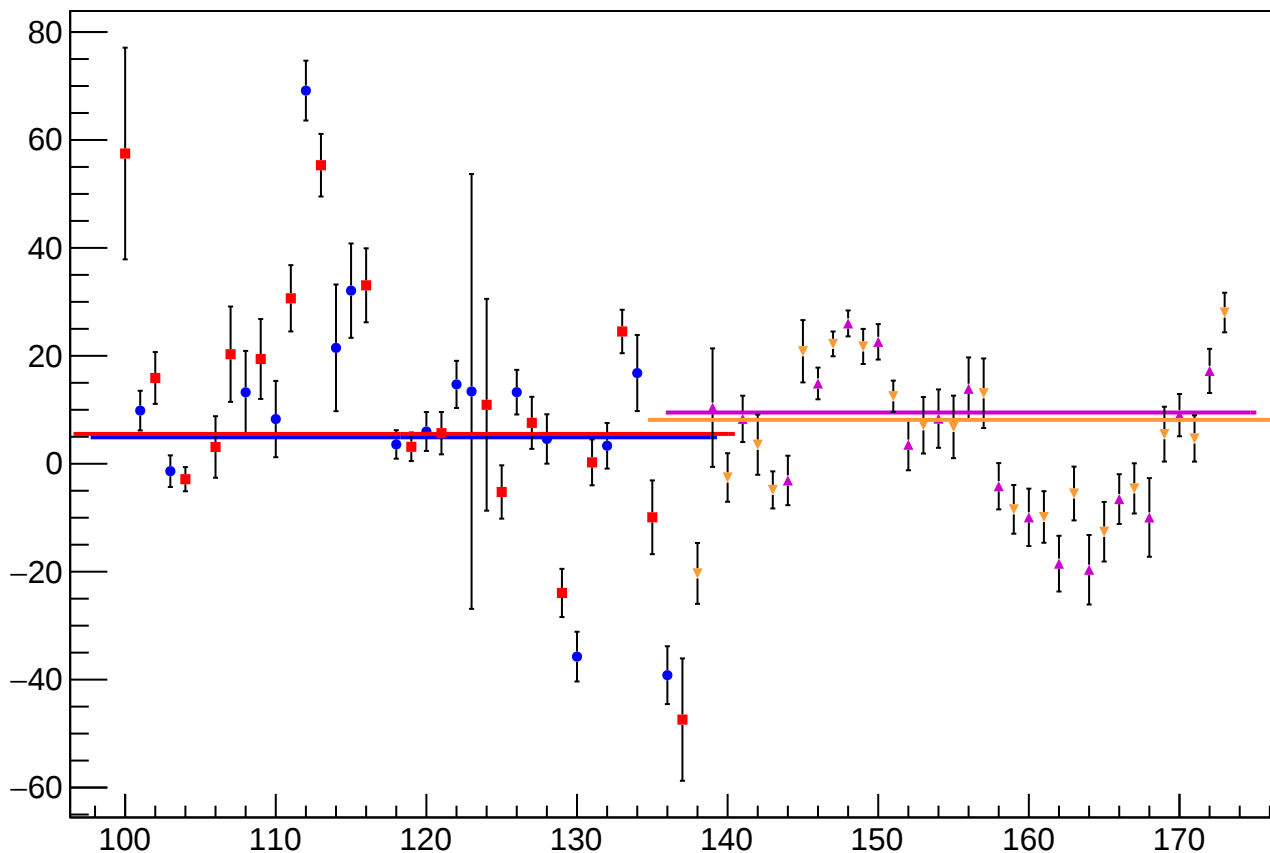
Left In: -270.121+/-1.475 χ^2/NDF : 868.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -257.853+/-1.010 χ^2/NDF : 4298.6/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 8.136 ± 0.953 χ^2/NDF : 196.0/18

Right Out: 5.530 ± 1.069 χ^2/NDF : 238.9/18

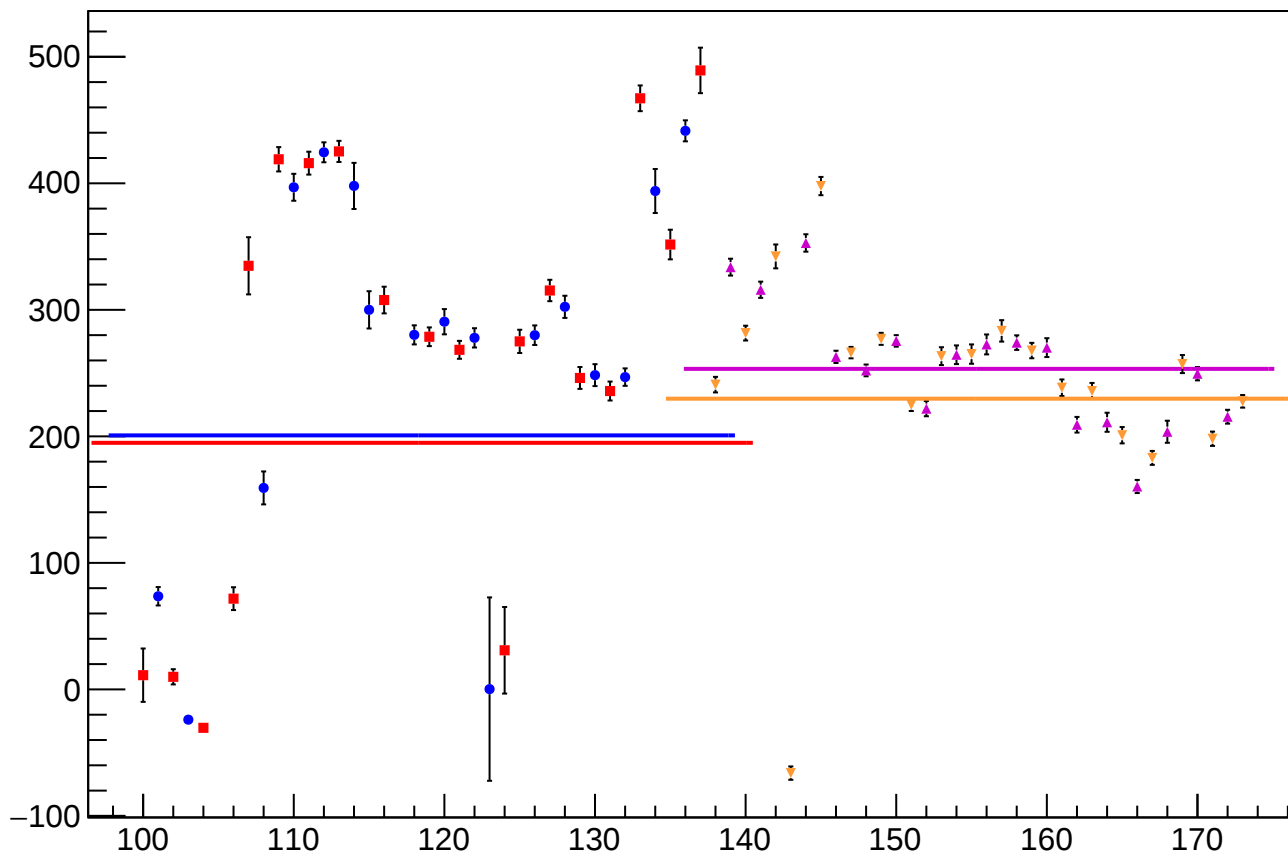
Left In: 9.495 ± 1.030 χ^2/NDF : 172.6/16

+ sign 6.758 ± 0.722 χ^2/NDF : 512.5/35

All: 7.161 ± 0.517 χ^2/NDF : 931.8/71

- sign 7.586 ± 0.742 χ^2/NDF : 418.6/35

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 229.777 $\pm$ 1.375 χ^2 /NDF: 4335.0/18

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

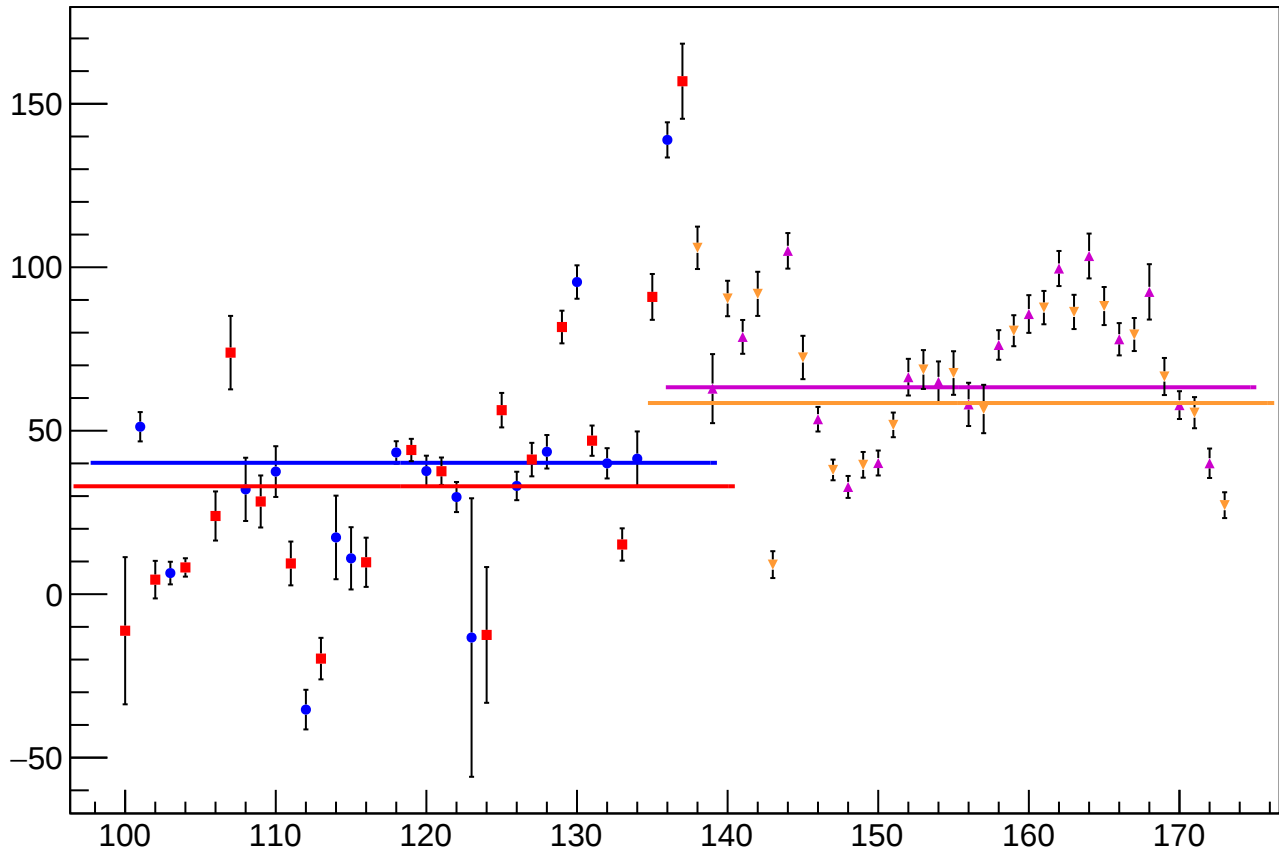
Left In: 253.346 $\pm$ 1.445 χ^2 /NDF: 1015.3/16

+ sign 220.363 $\pm$ 1.130 χ^2 /NDF: 11212.5/35

All: 226.174 $\pm$ 0.808 χ^2 /NDF: 21119.2/71

- sign 232.254 $\pm$ 1.156 χ^2 /NDF: 9852.5/35

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 $\pm$ 1.283 χ^2 /NDF: 734.6/16

Left Out: 58.475 $\pm$ 1.123 χ^2 /NDF: 526.0/18

Right Out: 33.006 $\pm$ 1.250 χ^2 /NDF: 552.7/18

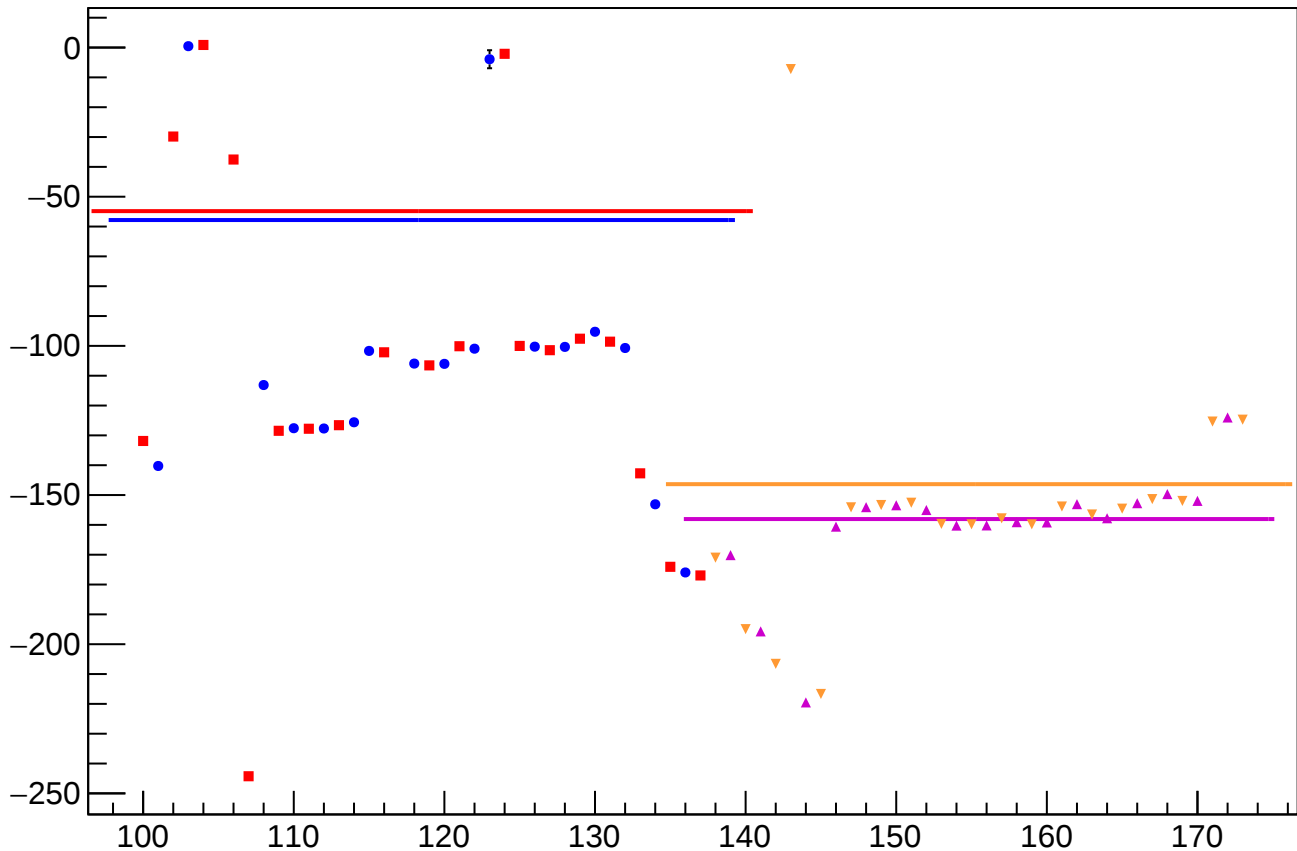
Left In: 63.294 $\pm$ 1.210 χ^2 /NDF: 347.2/16

+ sign 50.542 $\pm$ 0.845 χ^2 /NDF: 1375.6/35

All: 49.619 $\pm$ 0.606 χ^2 /NDF: 2580.8/71

- sign 48.642 $\pm$ 0.870 χ^2 /NDF: 1202.8/35

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 ± 0.062 χ^2/NDF : 1101296.2/16

Left Out: -146.355 ± 0.054 χ^2/NDF : 610213.7/18

Right Out: -54.833 ± 0.060 χ^2/NDF : 1000741.7/18

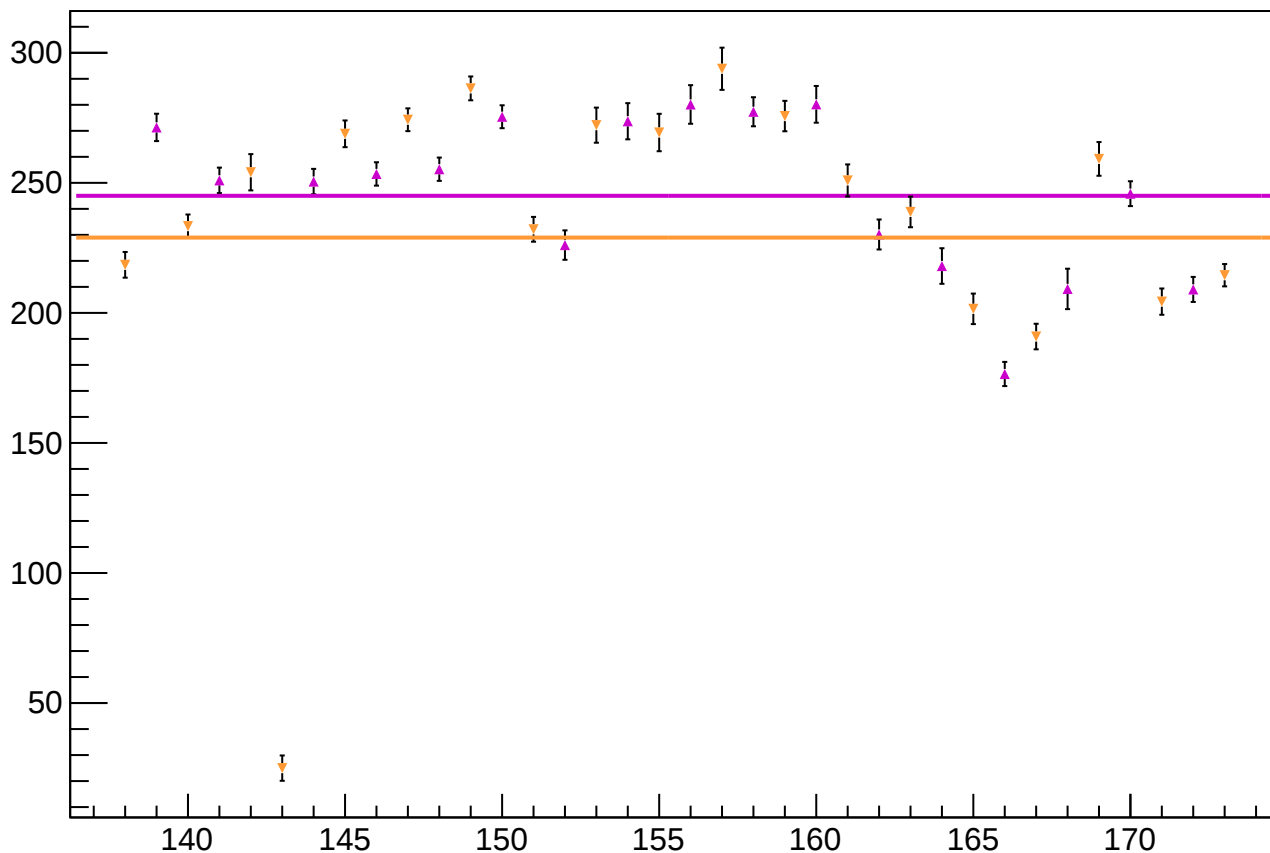
Left In: -158.049 ± 0.057 χ^2/NDF : 100043.0/16

+ sign -107.819 ± 0.041 χ^2/NDF : 2870959.5/35

All: -108.530 ± 0.029 χ^2/NDF : 5520950.5/71

- sign -109.265 ± 0.041 χ^2/NDF : 2649372.2/35

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 228.955+/-1.227 χ^2/NDF :2451.7/18

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

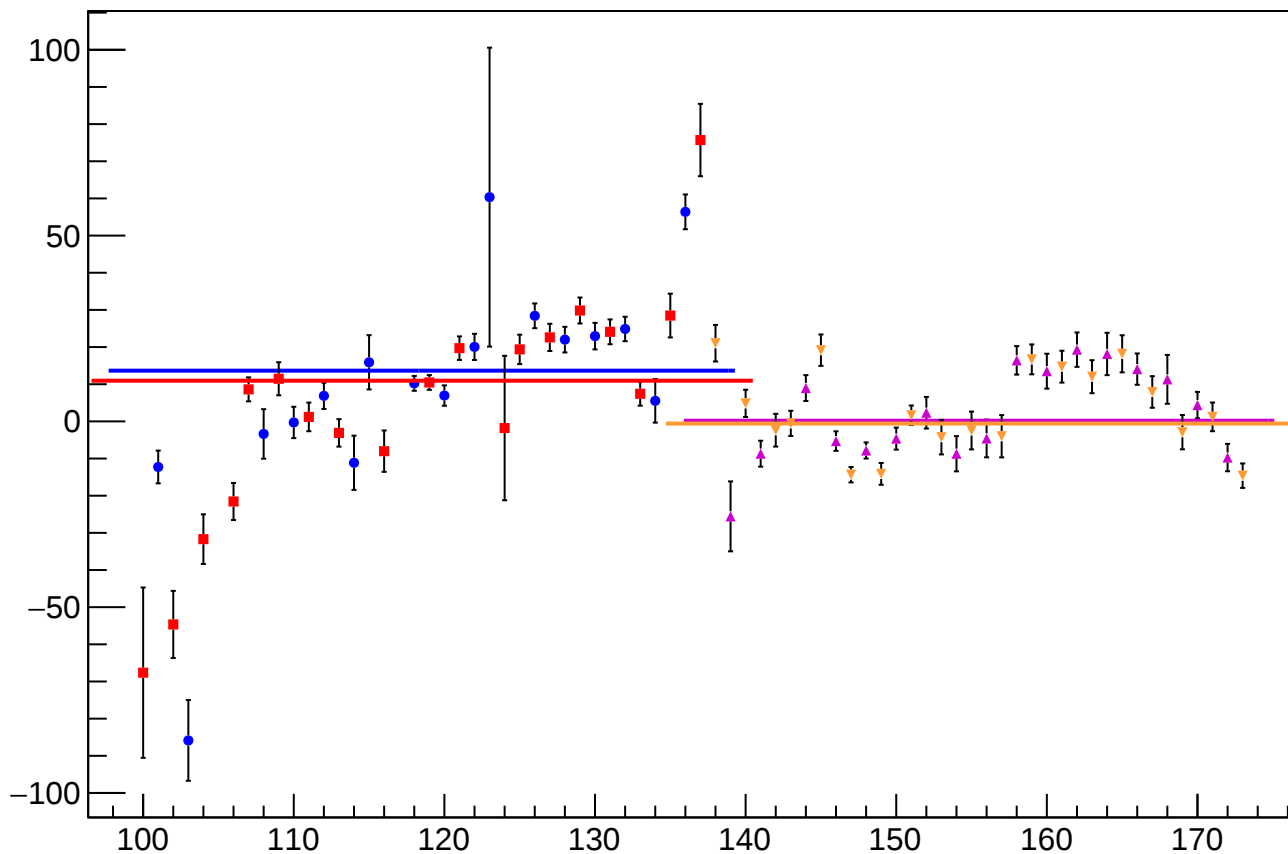
Left In: 245.018+/-1.297 χ^2/NDF :509.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 236.542+/-0.892 χ^2/NDF : 3041.9/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 ± 0.936 χ^2/NDF : 294.0/16

Left Out: -0.583 ± 0.849 χ^2/NDF : 186.5/18

Right Out: 10.944 ± 0.913 χ^2/NDF : 302.5/18

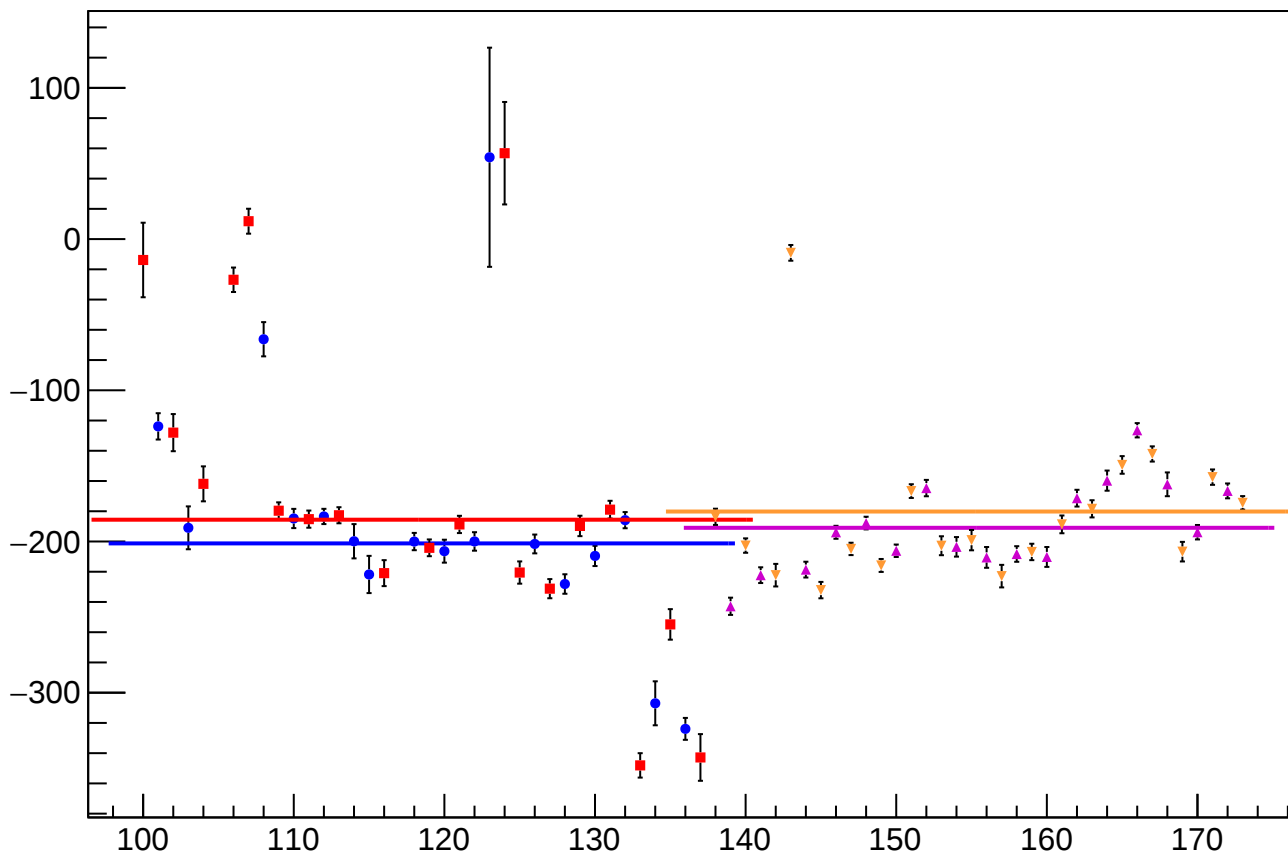
Left In: 0.175 ± 0.910 χ^2/NDF : 121.0/16

+ sign 5.840 ± 0.629 χ^2/NDF : 607.4/35

All: 5.694 ± 0.450 χ^2/NDF : 1100.8/71

- sign 5.540 ± 0.645 χ^2/NDF : 493.3/35

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266+/-1.795 χ^2 /NDF: 623.4/16

Left Out: -180.181+/-1.220 χ^2 /NDF:1547.7/18

Right Out: -185.593+/-1.699 χ^2 /NDF: 1746.0/18

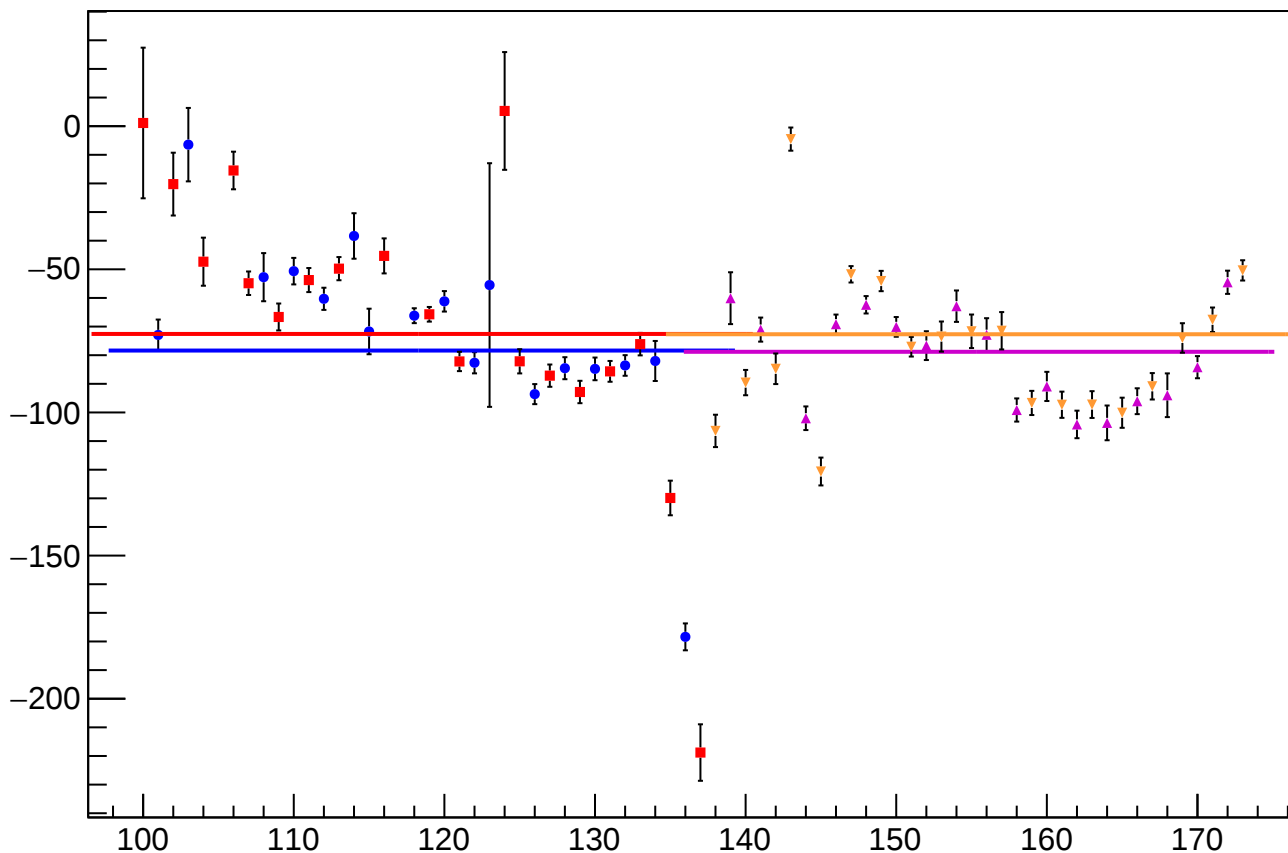
Left In: -190.953+/-1.275 χ^2 /NDF:475.3/16

+ sign -186.844+/-1.009 χ^2 /NDF: 2265.5/35

All: -187.921+/-0.717 χ^2 /NDF: 4495.5/71

- sign -189.022+/-1.020 χ^2 /NDF: 2227.7/35

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -72.681 ± 1.000 χ^2/NDF : 691.8/18

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

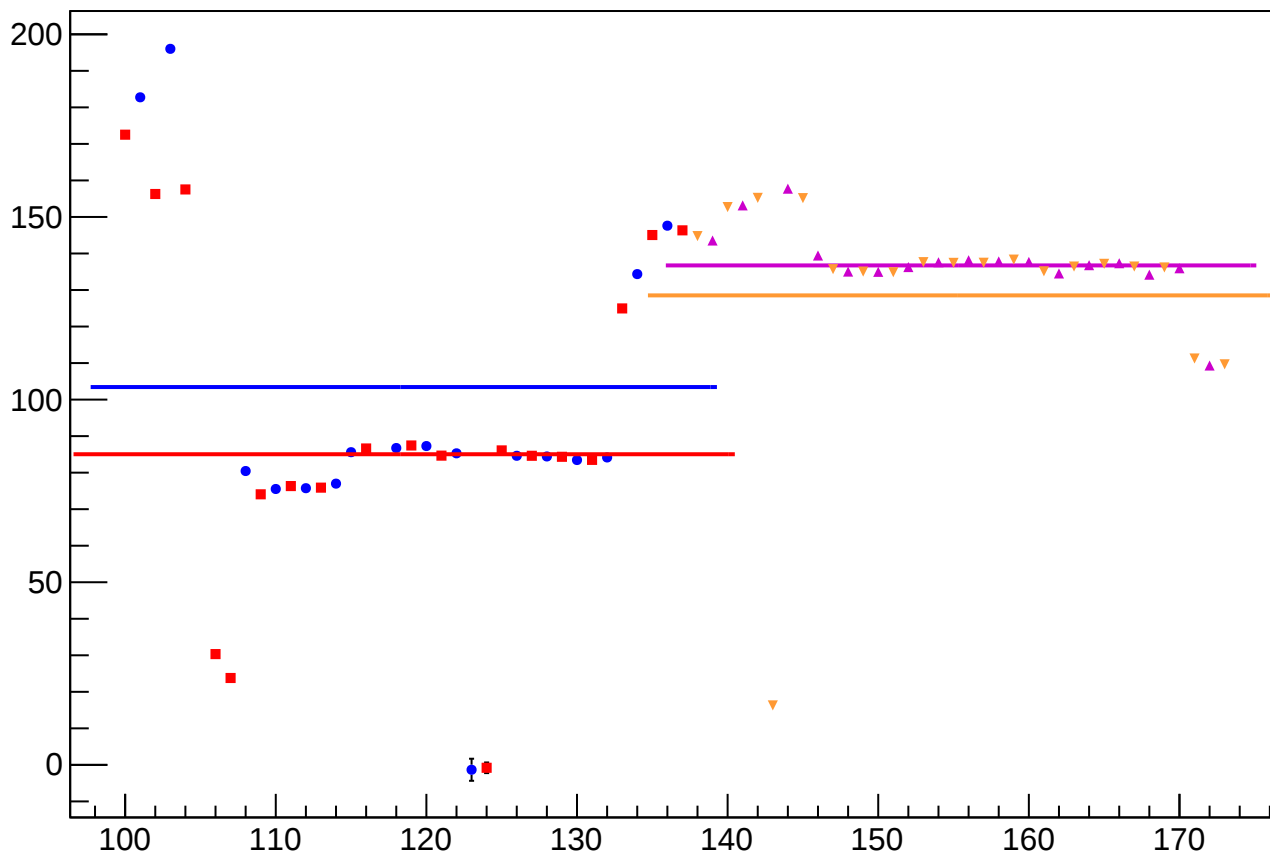
Left In: -78.812 ± 1.069 χ^2/NDF : 224.7/16

+ sign -75.305 ± 0.734 χ^2/NDF : 1358.1/35

All: -75.471 ± 0.524 χ^2/NDF : 2206.0/71

- sign -75.644 ± 0.750 χ^2/NDF : 847.8/35

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 ± 0.071 $\chi^2/\text{NDF}: 272785.6/16$

Left Out: 128.529 ± 0.048 $\chi^2/\text{NDF}: 373560.1/18$

Right Out: 85.043 ± 0.064 $\chi^2/\text{NDF}: 422343.0/18$

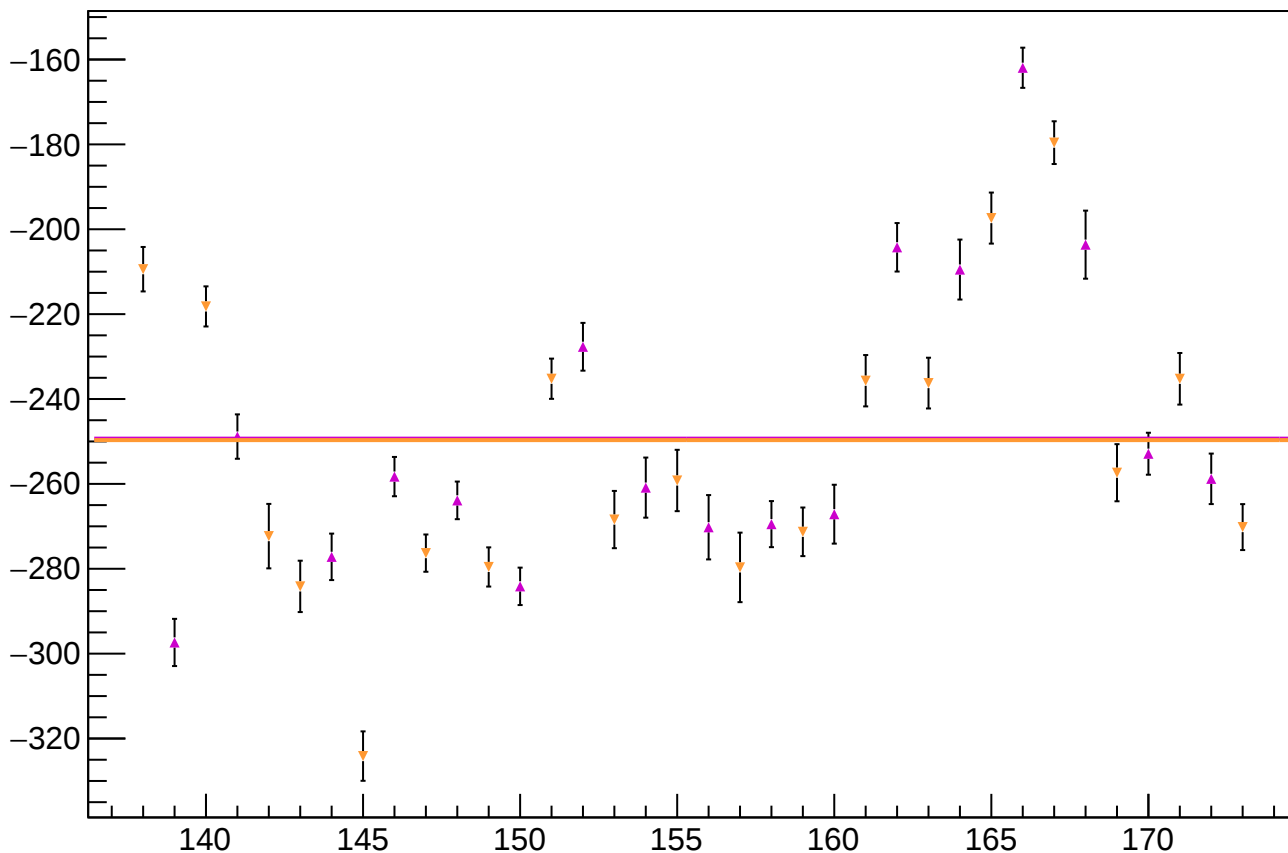
Left In: 136.734 ± 0.050 $\chi^2/\text{NDF}: 41085.4/16$

+ sign 120.609 ± 0.040 $\chi^2/\text{NDF}: 732122.2/35$

All: 118.731 ± 0.028 $\chi^2/\text{NDF}: 1605057.1/71$

- sign 116.882 ± 0.040 $\chi^2/\text{NDF}: 868518.7/35$

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -249.686+/-1.301 χ^2/NDF : 734.4/18

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

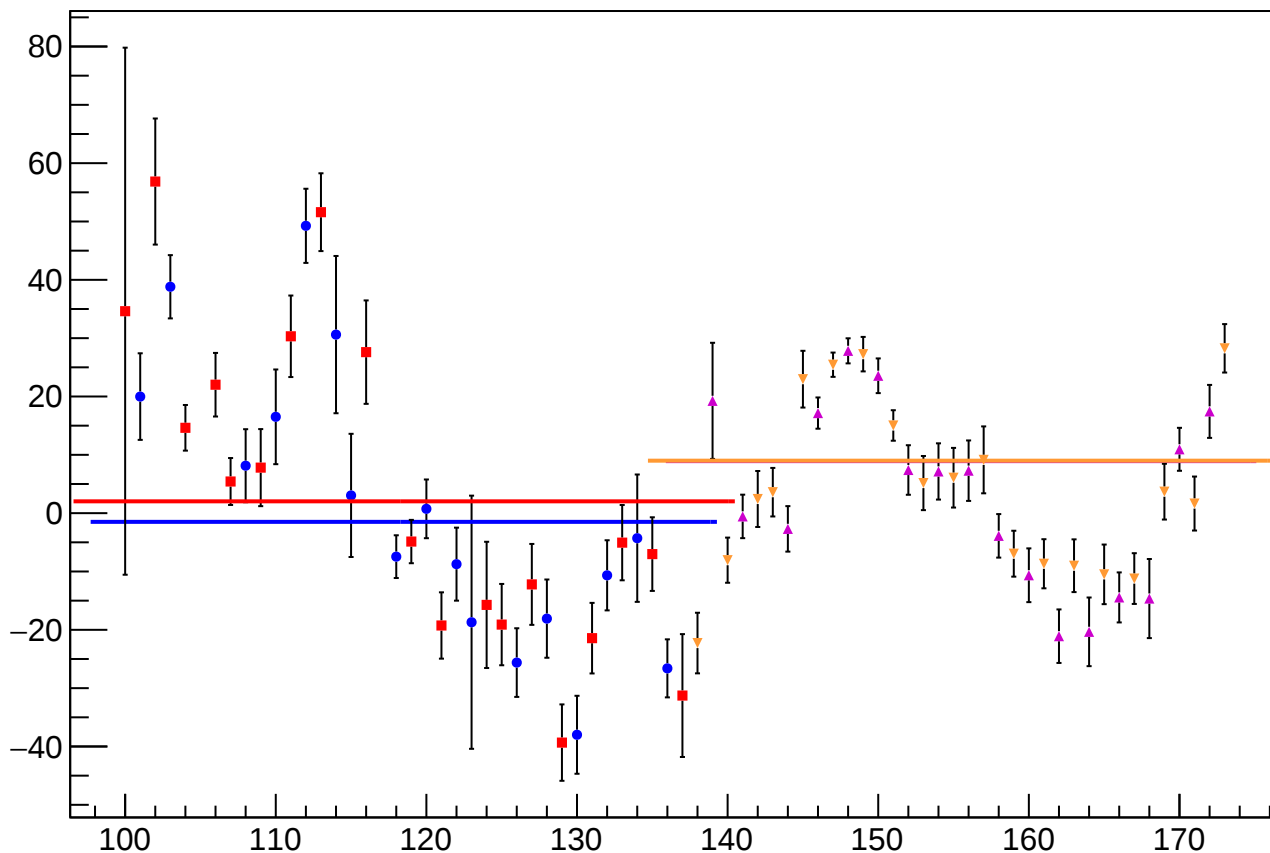
Left In: -249.339+/-1.343 χ^2/NDF : 692.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -249.518+/-0.934 χ^2/NDF : 1427.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 8.997 ± 0.890 χ^2/NDF : 285.8/18

Right Out: 2.028 ± 1.400 χ^2/NDF : 233.3/18

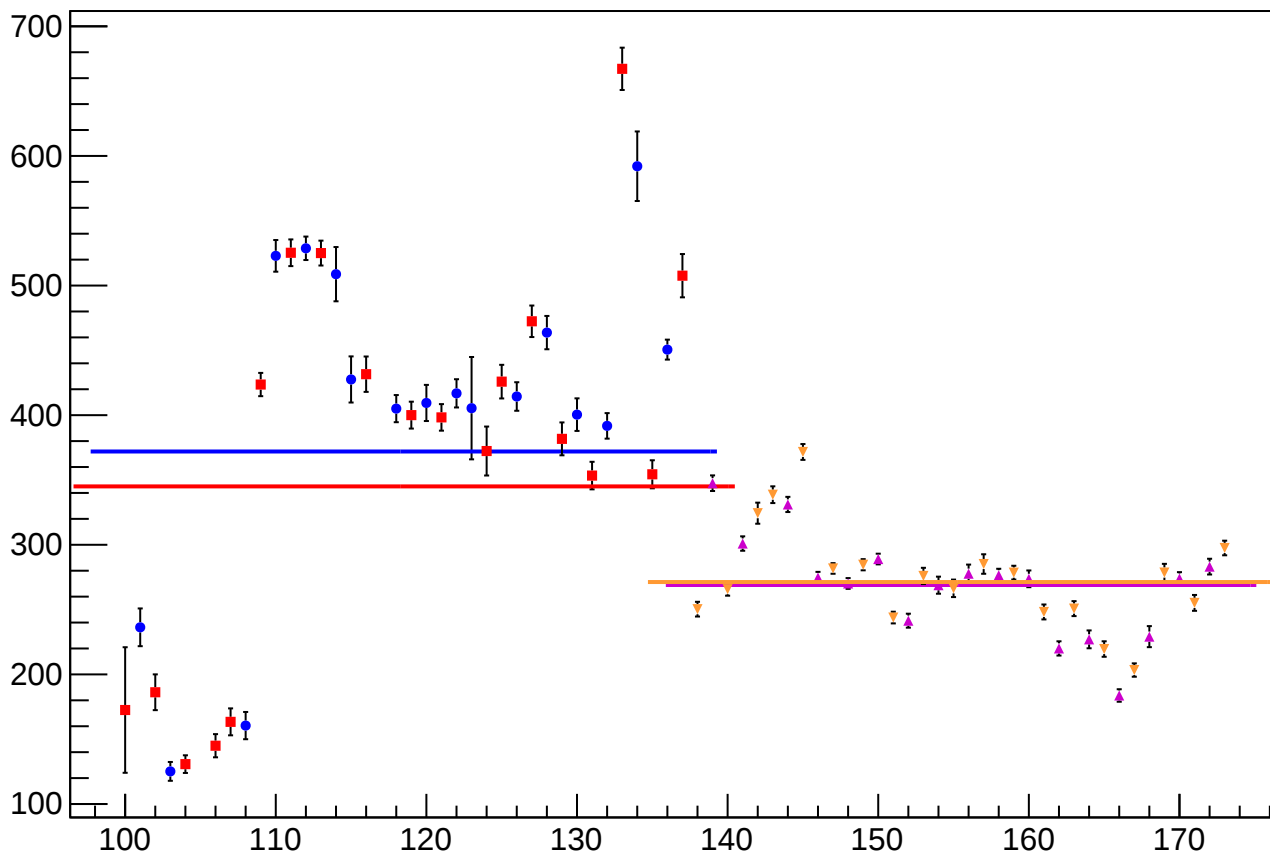
Left In: 8.918 ± 0.934 χ^2/NDF : 270.7/16

+ sign 6.364 ± 0.770 χ^2/NDF : 546.6/35

All: 6.577 ± 0.547 χ^2/NDF : 1067.6/71

- sign 6.794 ± 0.777 χ^2/NDF : 520.8/35

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 ± 2.778 $\chi^2/\text{NDF}: 2432.6/16$

Left Out: 271.266 ± 1.286 $\chi^2/\text{NDF}: 802.0/18$

Right Out: 345.043 ± 2.562 $\chi^2/\text{NDF}: 3415.2/18$

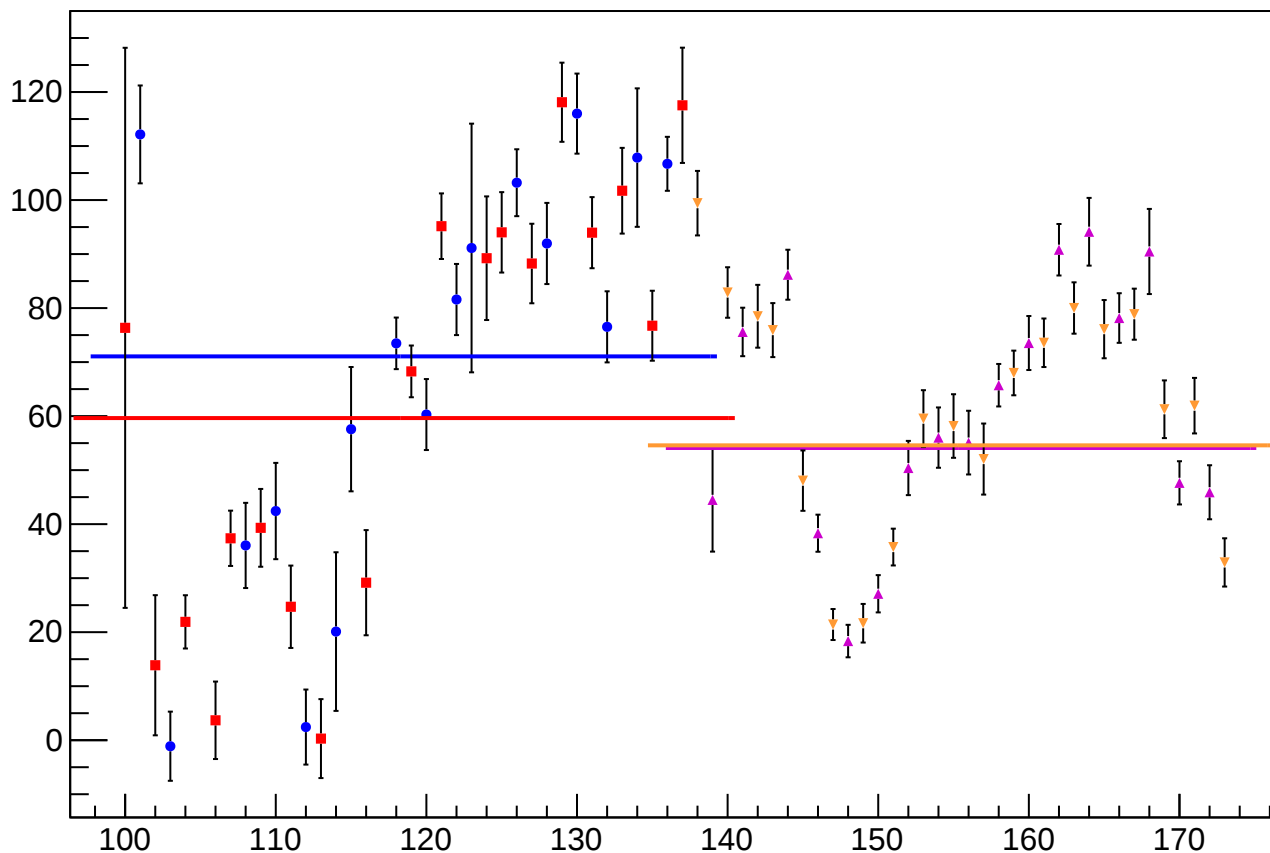
Left In: 268.974 ± 1.315 $\chi^2/\text{NDF}: 830.4/16$

+ sign 289.033 ± 1.167 $\chi^2/\text{NDF}: 4317.2/35$

All: 286.935 ± 0.826 $\chi^2/\text{NDF}: 9267.2/71$

- sign 284.826 ± 1.170 $\chi^2/\text{NDF}: 4943.4/35$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 54.588 $\pm$ 1.052 χ^2 /NDF: 506.4/18

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

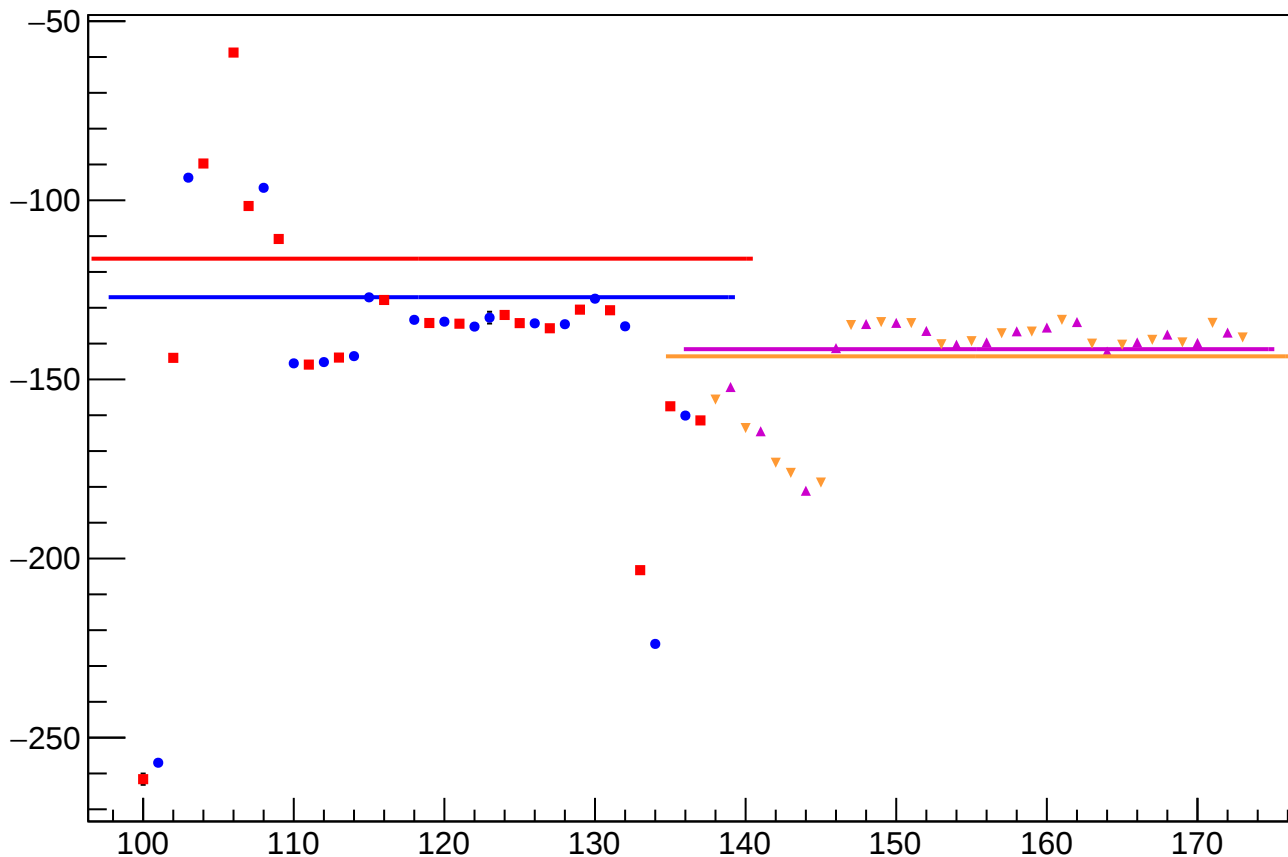
Left In: 54.101 $\pm$ 1.099 χ^2 /NDF: 474.2/16

+ sign 58.908 $\pm$ 0.903 χ^2 /NDF: 996.9/35

All: 57.383 $\pm$ 0.642 χ^2 /NDF: 1976.4/71

- sign 55.830 $\pm$ 0.912 χ^2 /NDF: 973.8/35

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -143.556 ± 0.051 $\chi^2/\text{NDF}: 71724.1/18$

Right Out: -116.295 ± 0.083 $\chi^2/\text{NDF}: 167109.1/18$

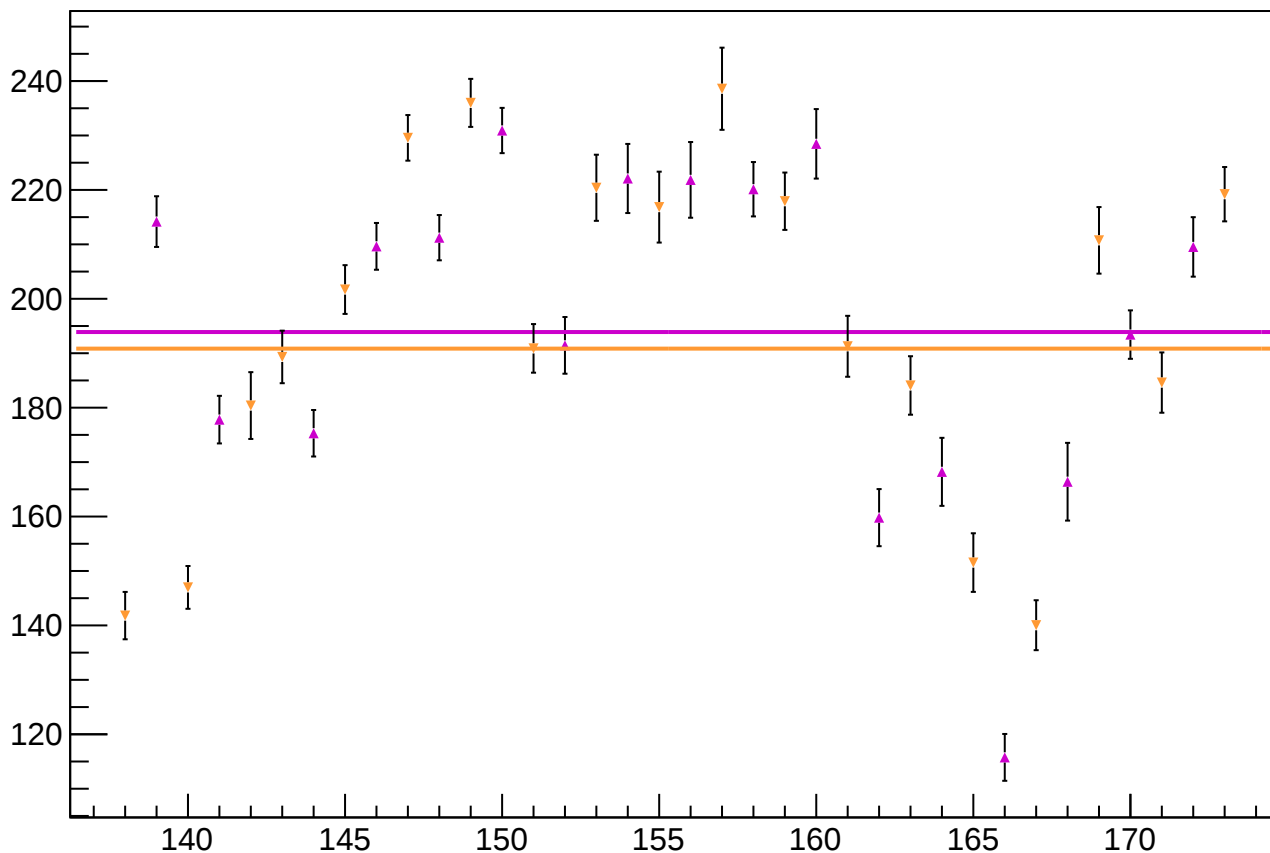
Left In: -141.555 ± 0.052 $\chi^2/\text{NDF}: 44062.0/16$

+ sign -139.535 ± 0.044 $\chi^2/\text{NDF}: 264310.3/35$

All: -136.971 ± 0.031 $\chi^2/\text{NDF}: 548685.1/71$

- sign -134.436 ± 0.044 $\chi^2/\text{NDF}: 277715.3/35$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 190.847+/-1.156 χ^2/NDF : 778.3/18

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

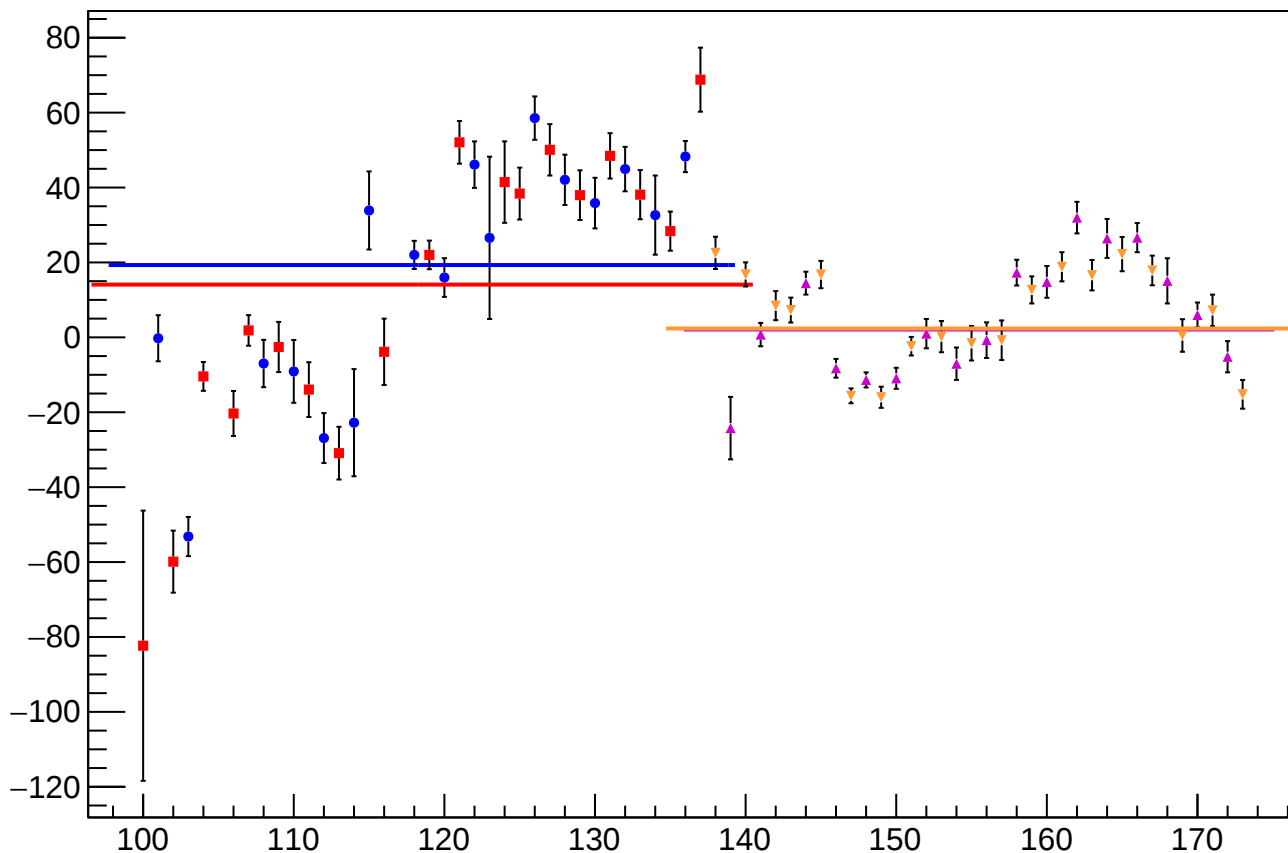
Left In: 193.893+/-1.204 χ^2/NDF : 666.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 192.308+/-0.834 χ^2/NDF : 1448.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 $\pm$ 1.500 χ^2 /NDF: 441.3/16

Left Out: 2.364 $\pm$ 0.802 χ^2 /NDF: 286.7/18

Right Out: 14.083 $\pm$ 1.390 χ^2 /NDF: 436.9/18

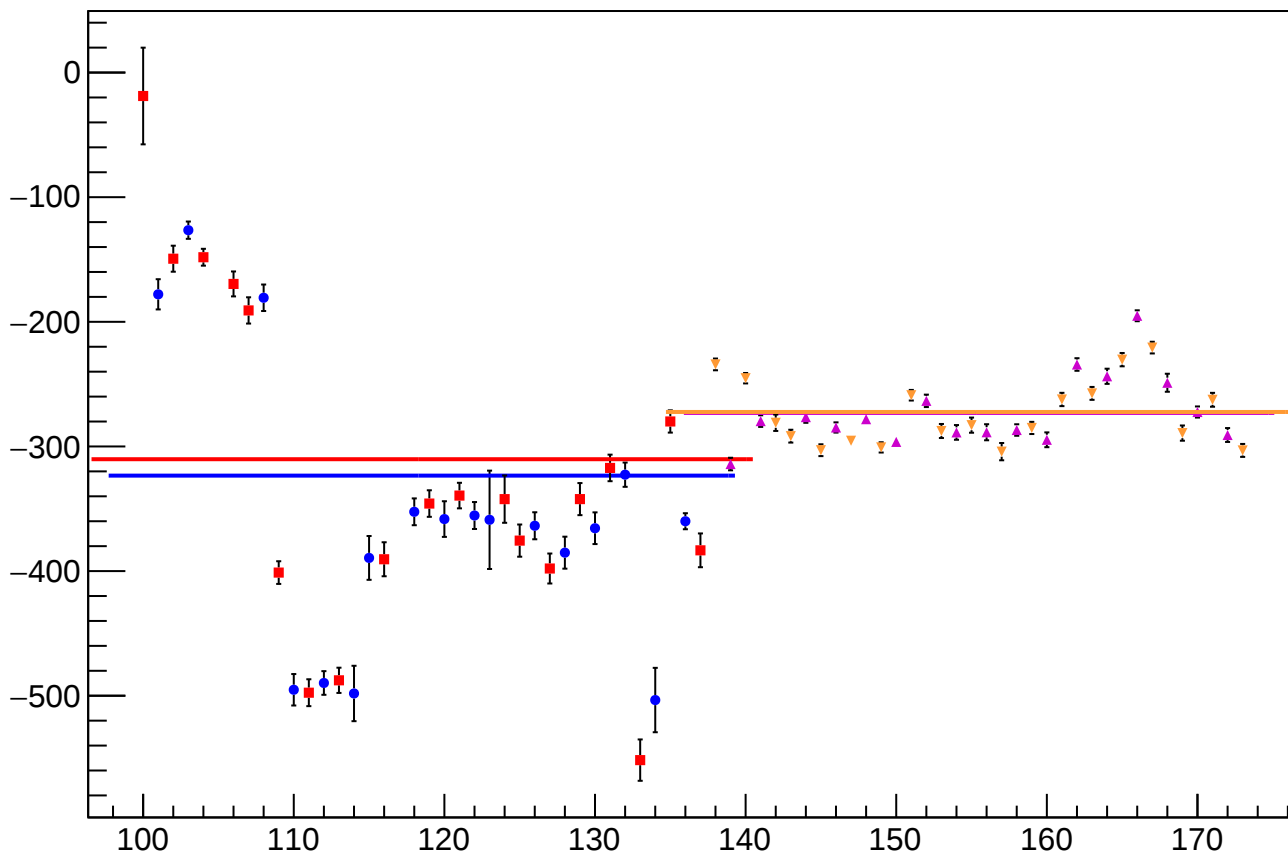
Left In: 2.091 $\pm$ 0.846 χ^2 /NDF: 264.1/16

+ sign 6.126 $\pm$ 0.707 χ^2 /NDF: 827.2/35

All: 5.740 $\pm$ 0.505 χ^2 /NDF: 1583.1/71

- sign 5.336 $\pm$ 0.723 χ^2 /NDF: 755.3/35

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402+/-2.684 χ^2/NDF : 1849.6/16

Left Out: -272.330+/-1.150 χ^2/NDF : 535.8/18

Right Out: -310.236+/-2.523 χ^2/NDF : 2298.8/18

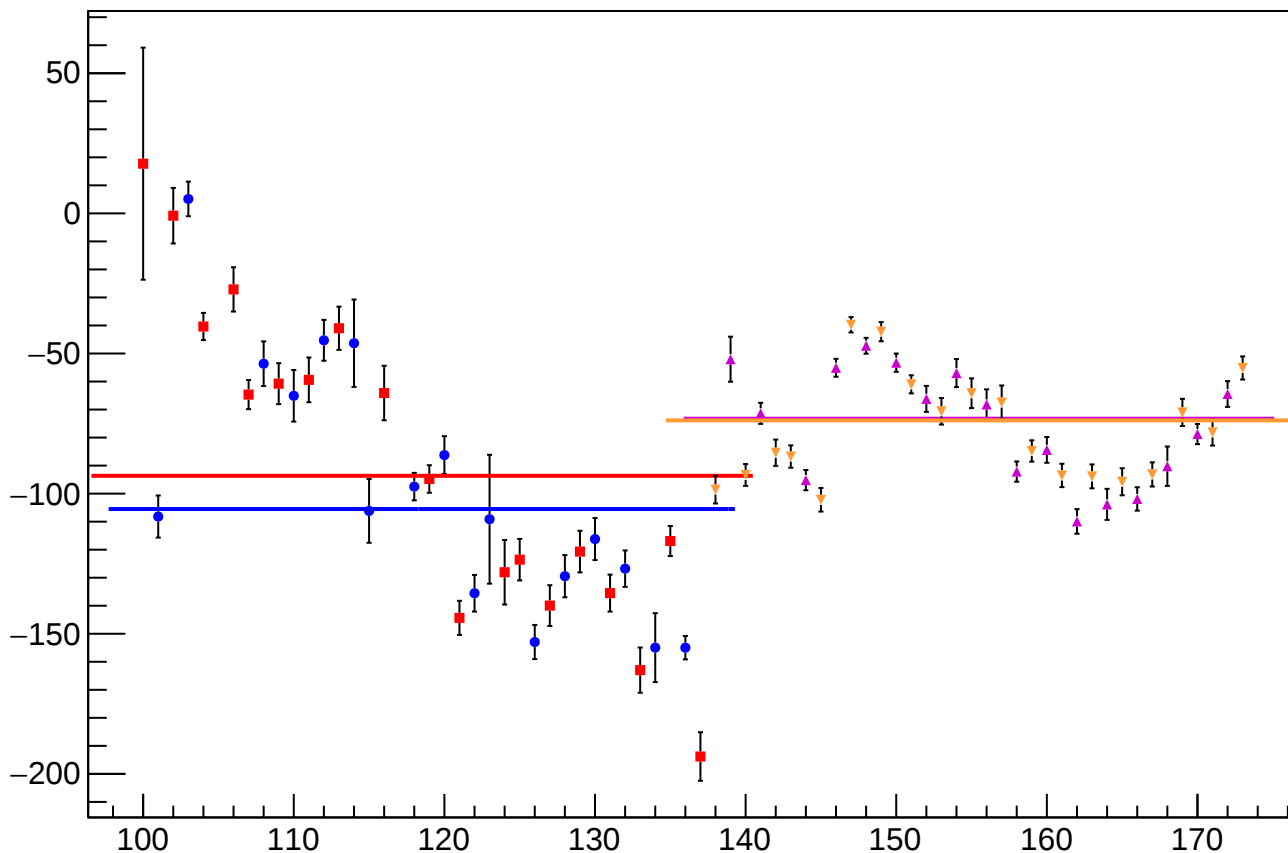
Left In: -273.116+/-1.184 χ^2/NDF : 573.2/16

+ sign -280.249+/-1.057 χ^2/NDF : 2691.4/35

All: -280.036+/-0.753 χ^2/NDF : 5740.8/71

- sign -279.816+/-1.072 χ^2/NDF : 3049.4/35

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -73.868 ± 0.945 χ^2/NDF : 488.9/18

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

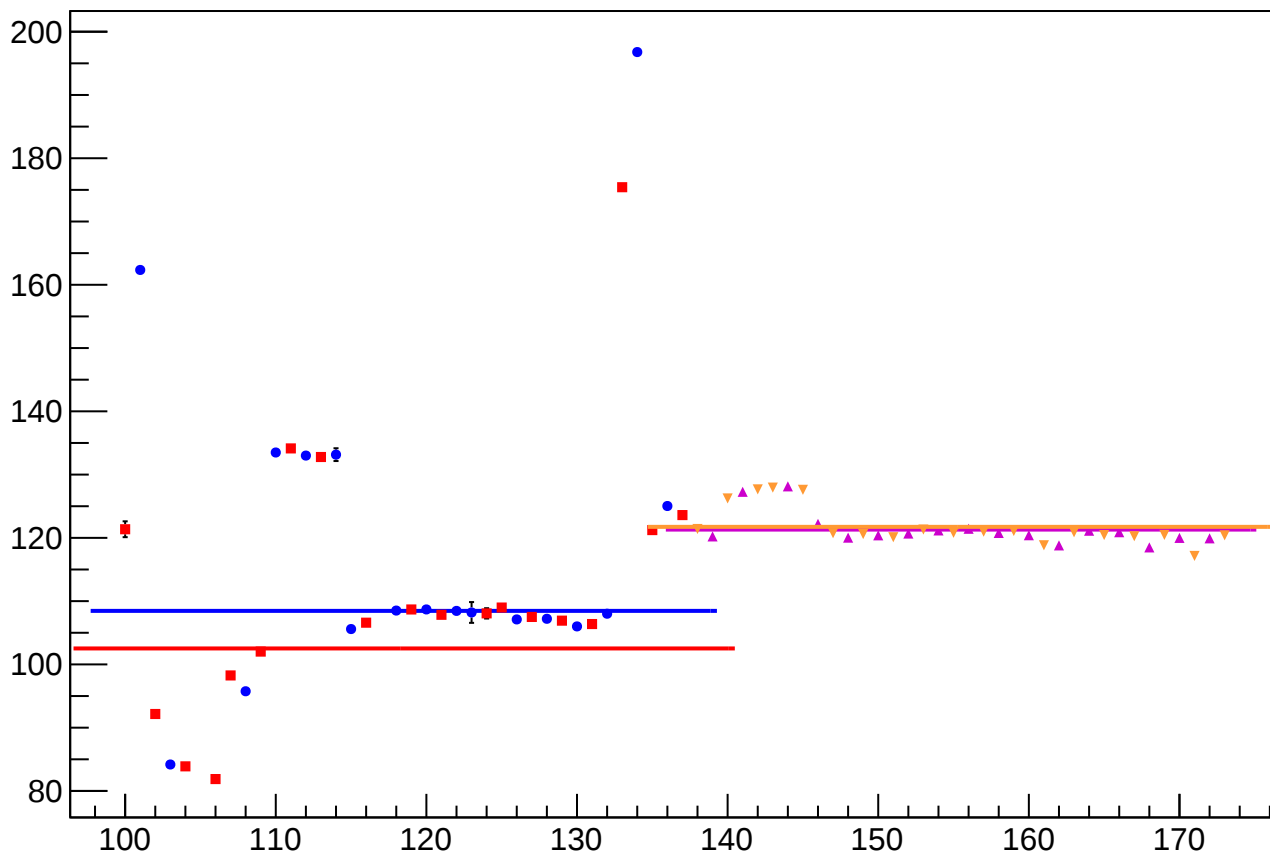
Left In: -73.263 ± 0.994 χ^2/NDF : 405.3/16

+ sign -81.253 ± 0.827 χ^2/NDF : 1487.9/35

All: -80.096 ± 0.591 χ^2/NDF : 2840.2/71

- sign -78.886 ± 0.846 χ^2/NDF : 1348.3/35

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 121.741 $\pm$ 0.046 χ^2 /NDF: 4139.6/18

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

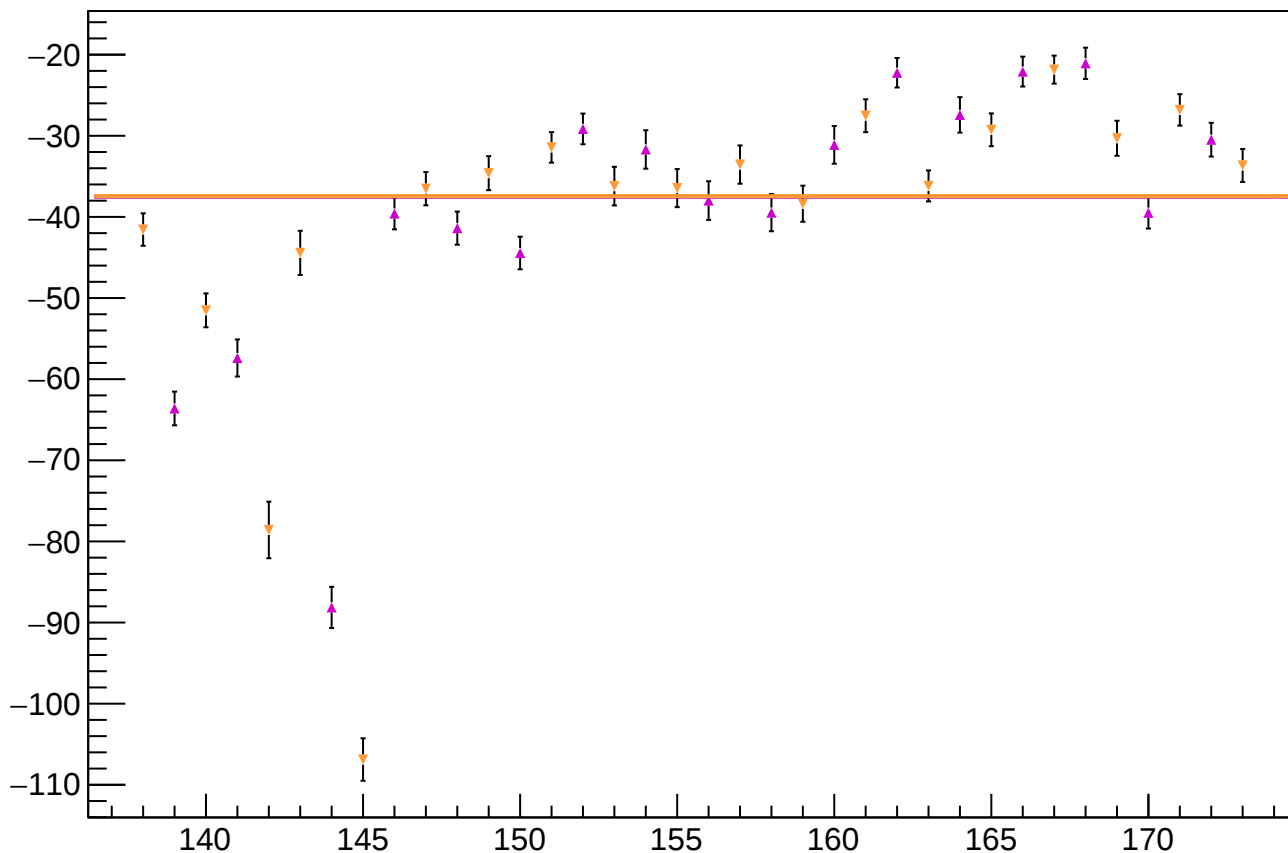
Left In: 121.308 $\pm$ 0.047 χ^2 /NDF: 2748.4/16

+ sign 118.782 $\pm$ 0.040 χ^2 /NDF: 96416.1/35

All: 117.636 $\pm$ 0.028 χ^2 /NDF: 195229.5/71

- sign 116.477 $\pm$ 0.040 χ^2 /NDF: 97172.2/35

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -37.438+/-0.491 χ^2/NDF :1080.9/18

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

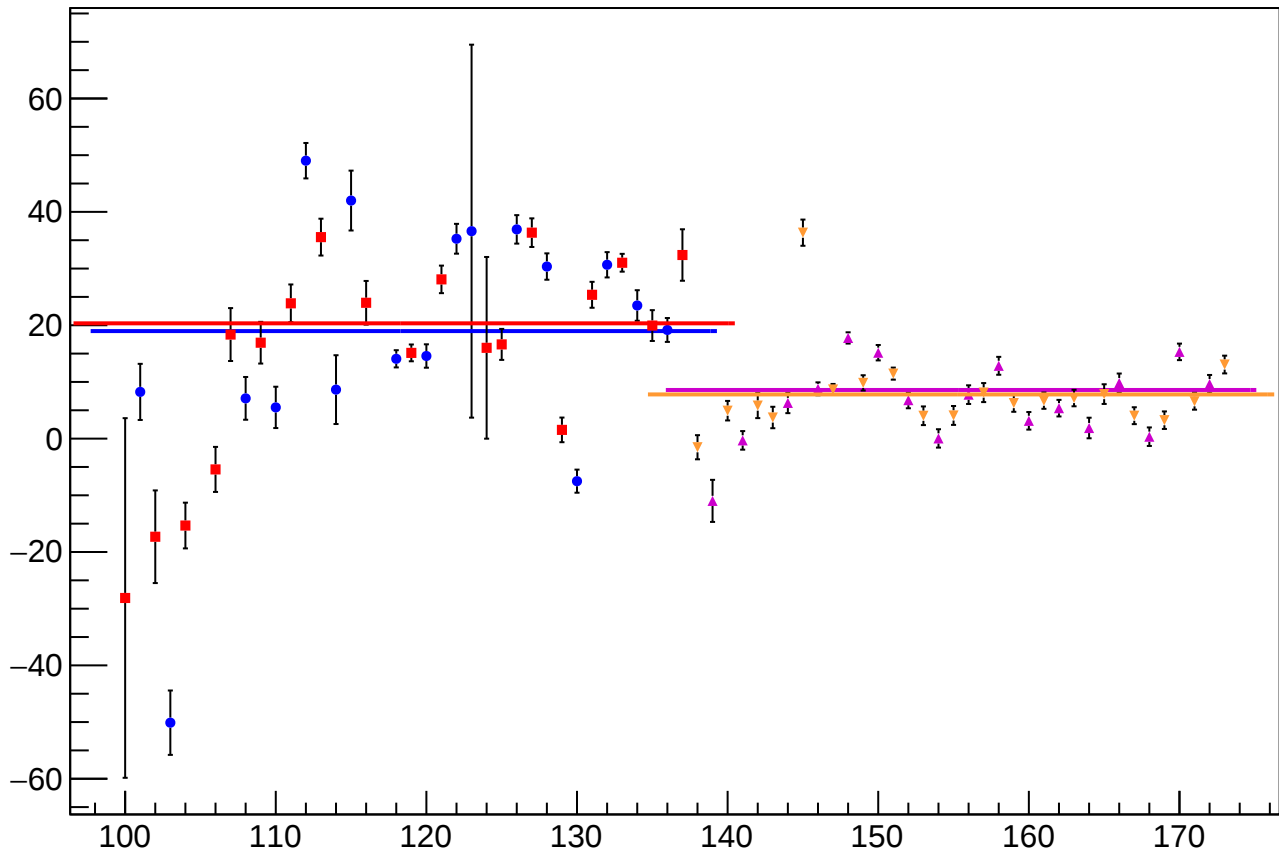
Left In: -37.509+/-0.506 χ^2/NDF :929.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -37.472+/-0.352 χ^2/NDF : 2010.3/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 7.797 ± 0.348 χ^2/NDF : 233.8/18

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

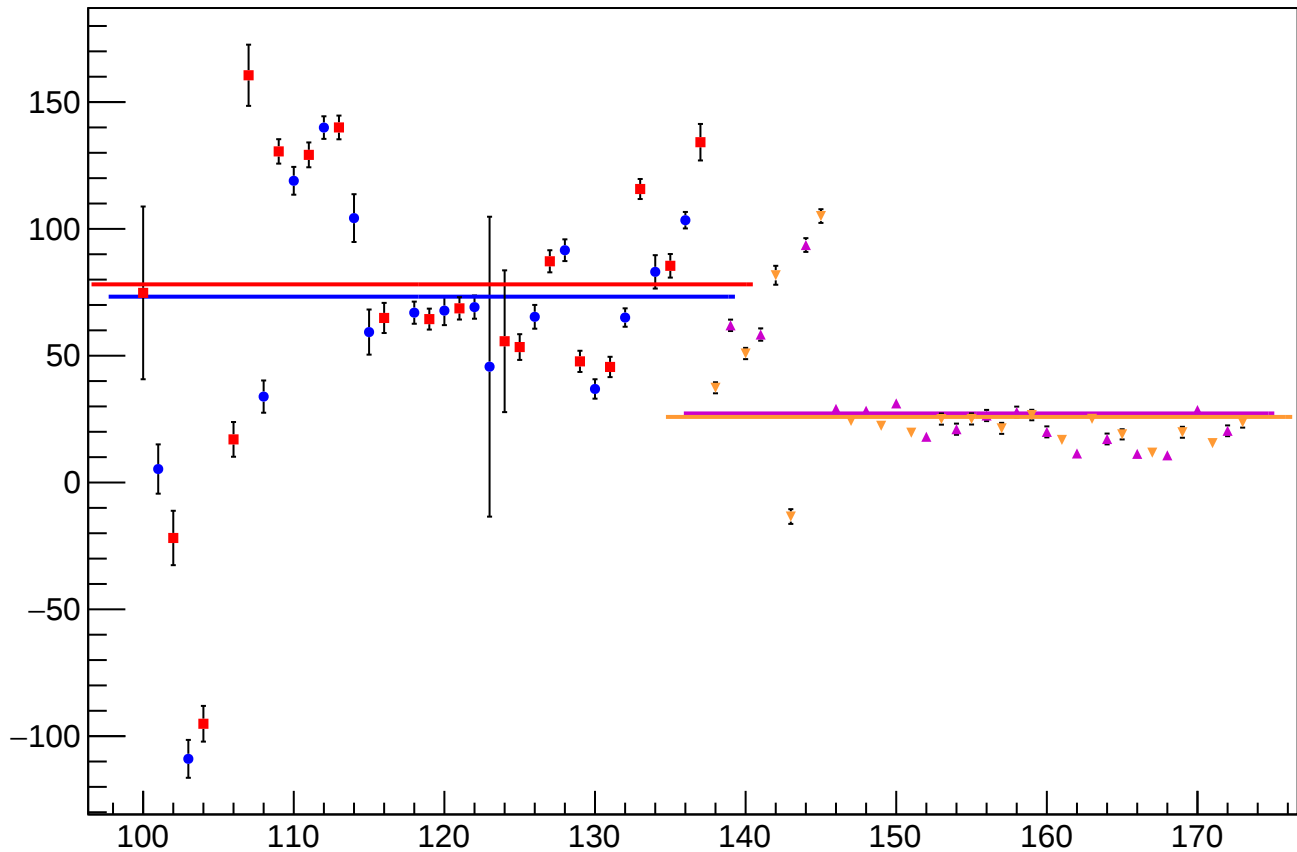
Left In: 8.582 ± 0.365 χ^2/NDF : 283.2/16

+ sign 10.271 ± 0.307 χ^2/NDF : 1080.1/35

All: 10.844 ± 0.221 χ^2/NDF : 1990.1/71

- sign 11.456 ± 0.318 χ^2/NDF : 902.7/35

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2/NDF : 1198.6/16

Left Out: 25.864 $\pm$ 0.484 χ^2/NDF :1573.7/18

Right Out: 78.130 $\pm$ 1.223 χ^2/NDF : 1543.3/18

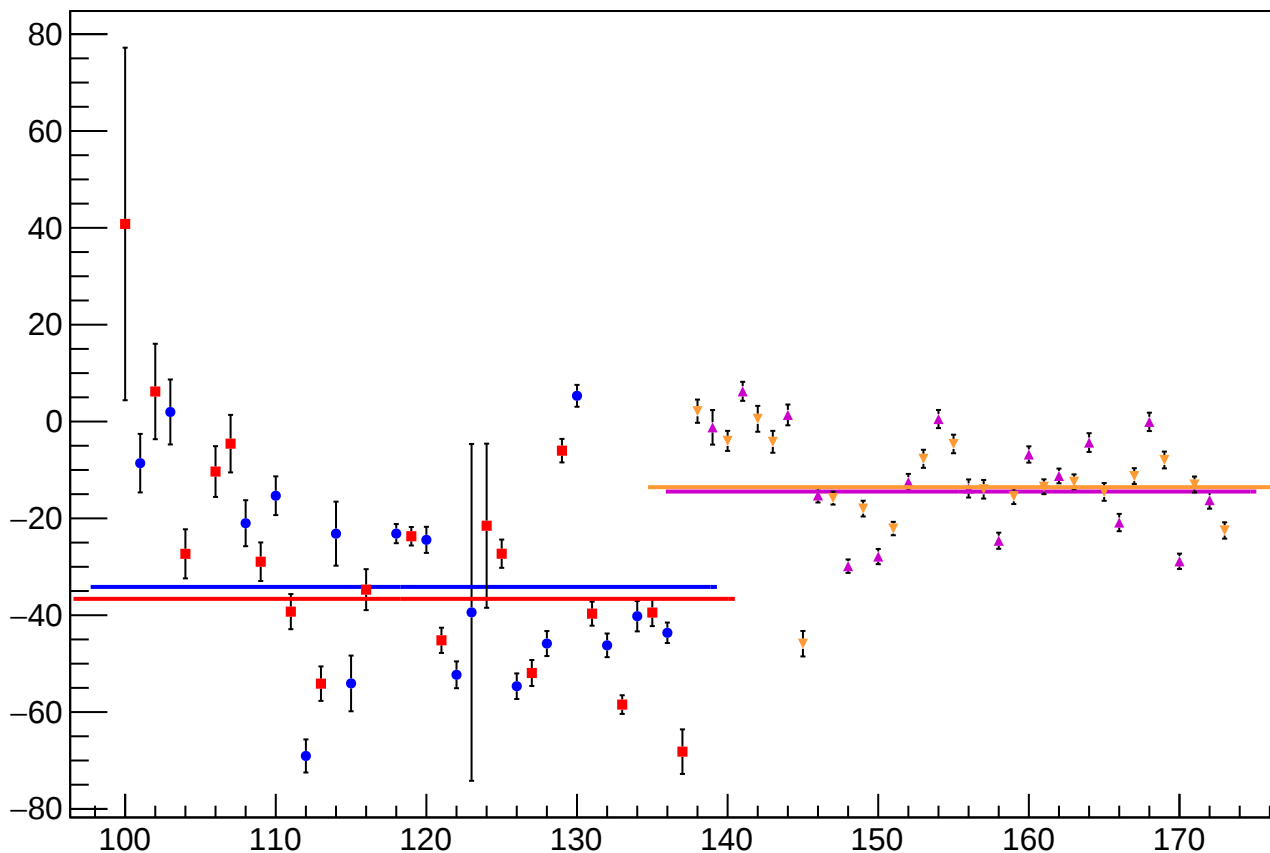
Left In: 27.234 $\pm$ 0.495 χ^2/NDF :1310.1/16

+ sign 32.161 $\pm$ 0.451 χ^2/NDF : 4047.5/35

All: 33.264 $\pm$ 0.322 χ^2/NDF : 8401.9/71

- sign 34.409 $\pm$ 0.459 χ^2/NDF : 4342.2/35

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.555 ± 0.403 χ^2/NDF : 382.9/18

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

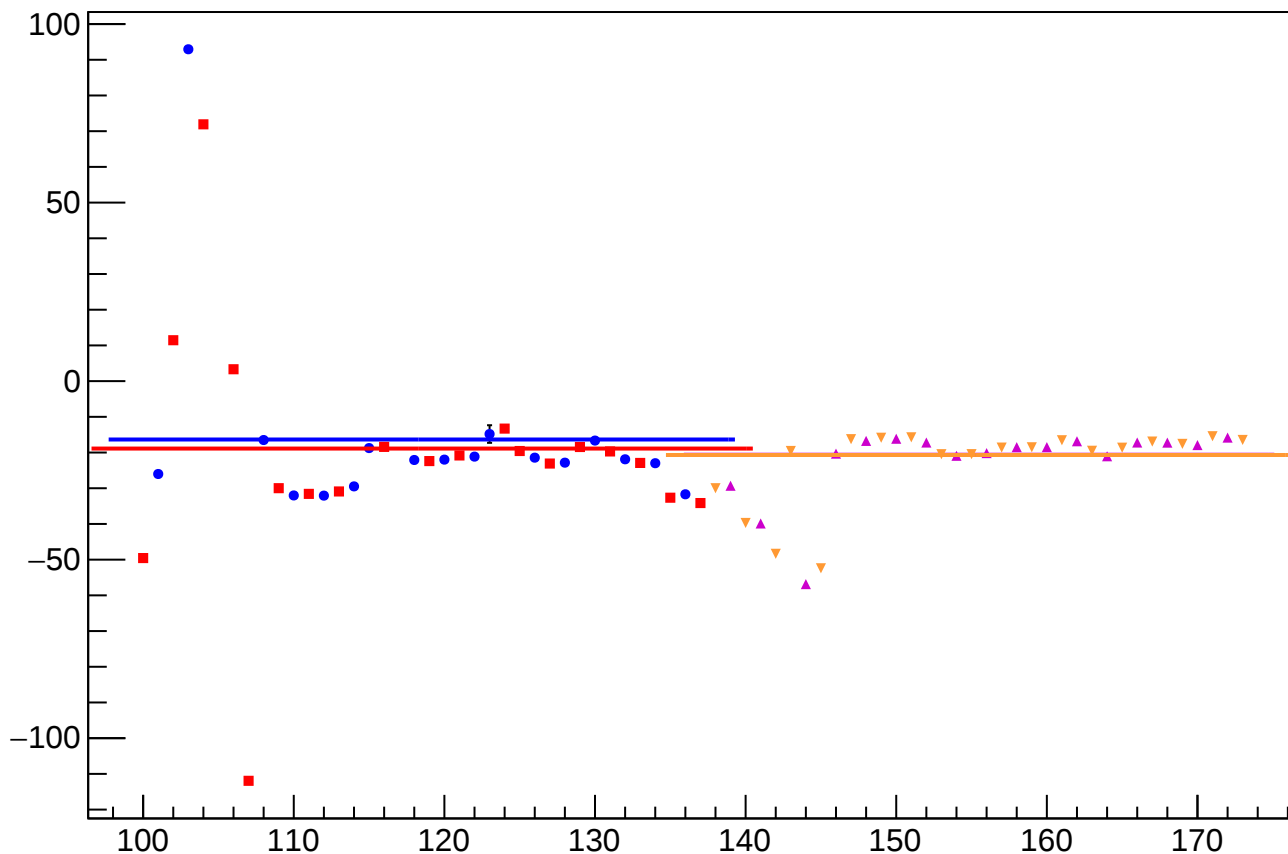
Left In: -14.460 ± 0.423 χ^2/NDF : 684.8/16

+ sign -18.227 ± 0.355 χ^2/NDF : 1691.6/35

All: -19.066 ± 0.255 χ^2/NDF : 3616.8/71

- sign -19.961 ± 0.367 χ^2/NDF : 1913.6/35

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -20.689 ± 0.019 $\chi^2/\text{NDF}: 201424.4/18$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

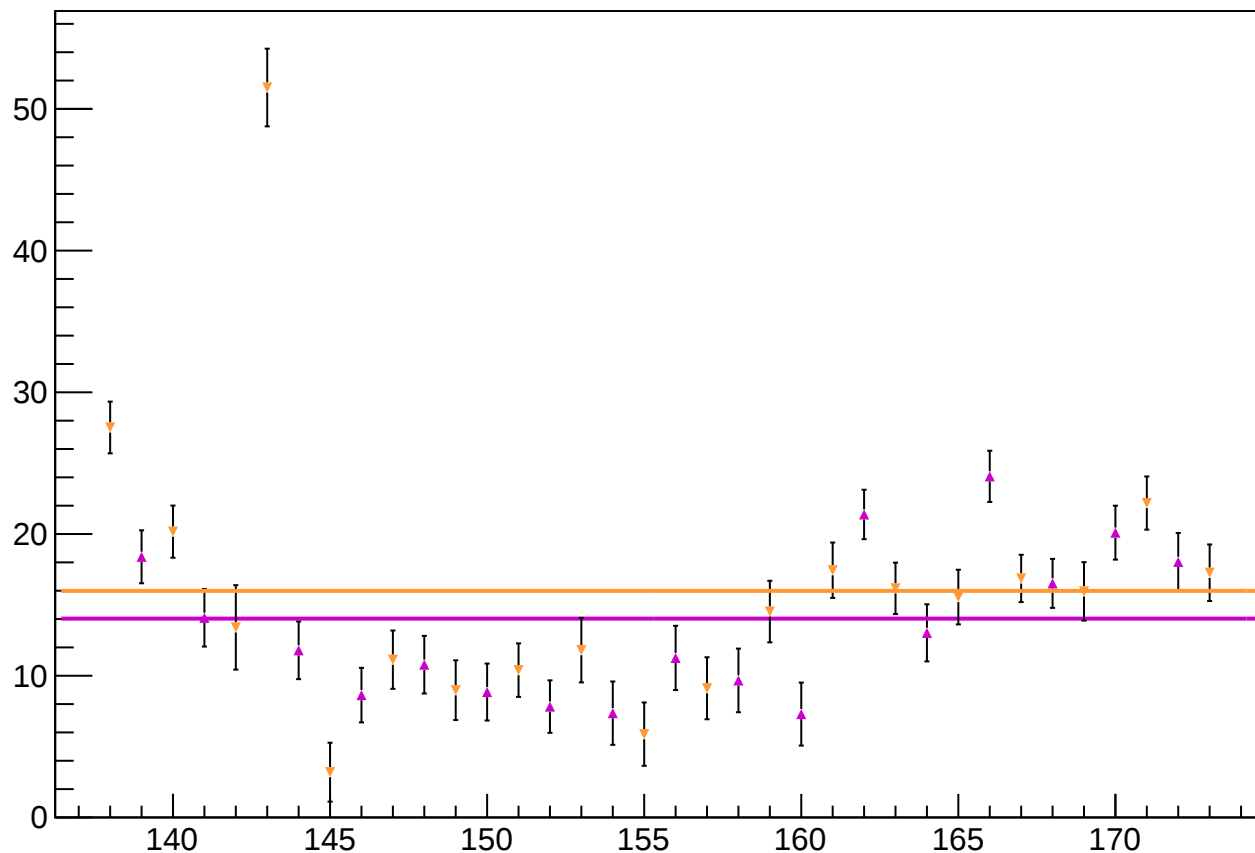
Left In: -20.613 ± 0.019 $\chi^2/\text{NDF}: 164849.9/16$

+ sign -20.038 ± 0.017 $\chi^2/\text{NDF}: 683650.0/35$

All: -20.189 ± 0.012 $\chi^2/\text{NDF}: 1283681.7/71$

- sign -20.348 ± 0.018 $\chi^2/\text{NDF}: 599874.2/35$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 15.988+/-0.467 χ^2/NDF : 323.3/18

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

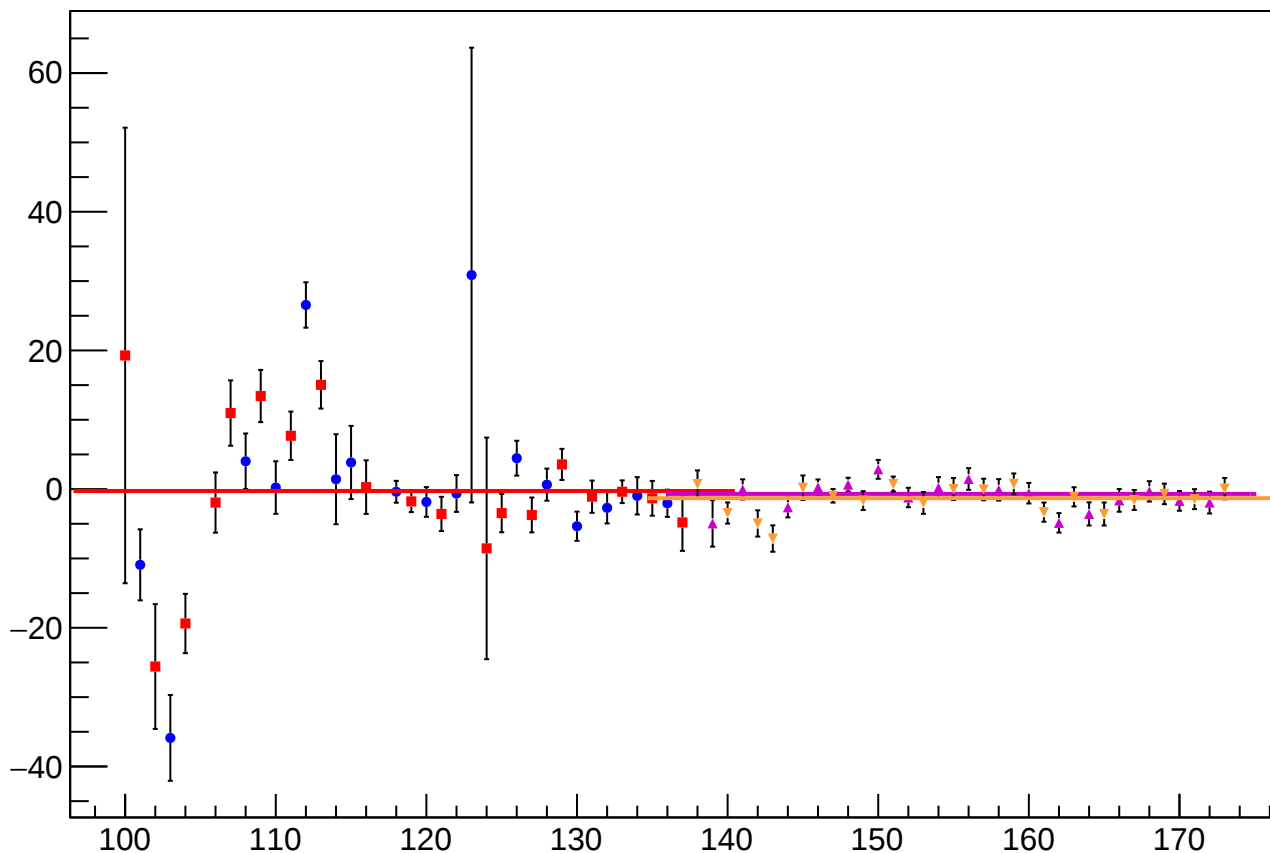
Left In: 14.031+/-0.480 χ^2/NDF : 123.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 15.036+/-0.334 χ^2/NDF : 455.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.309 ± 0.335 χ^2/NDF : 29.2/18

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

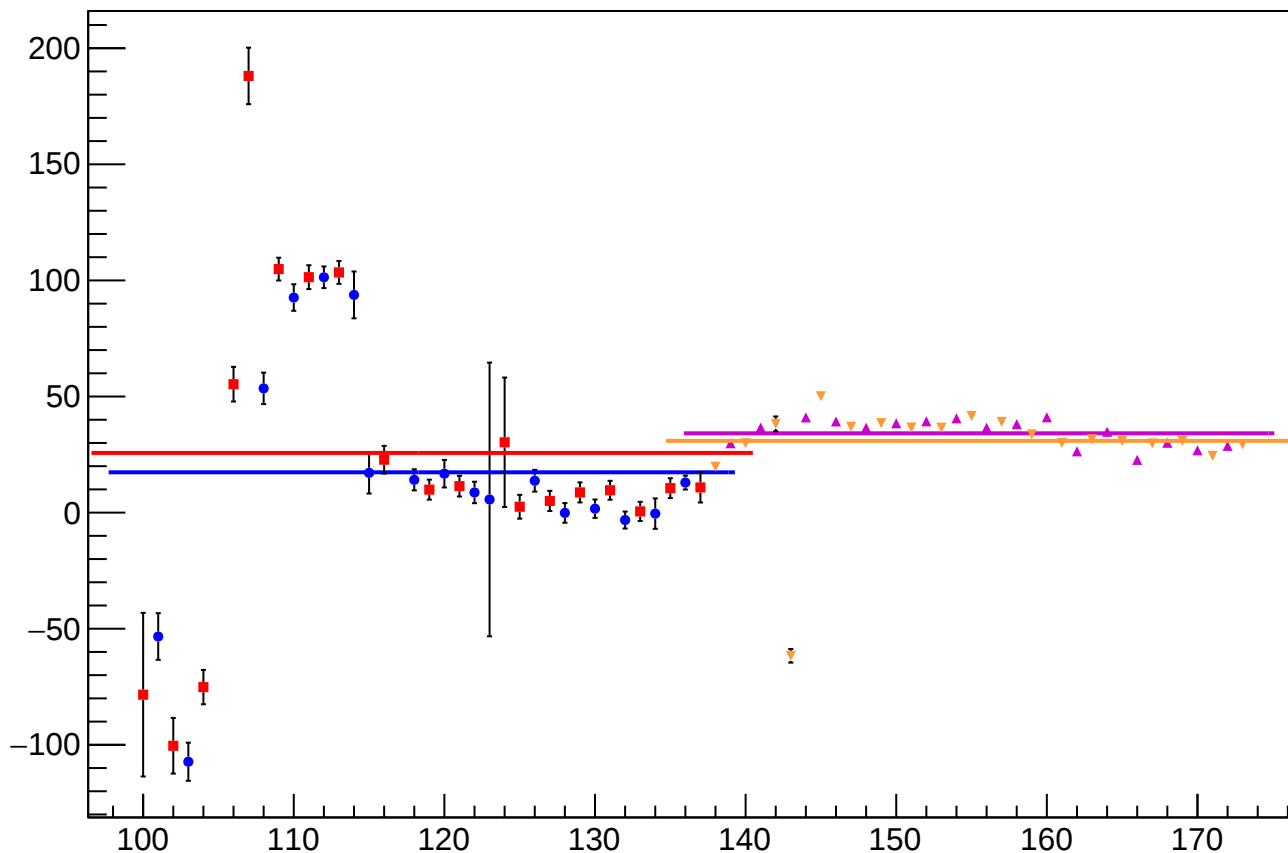
Left In: -0.691 ± 0.349 χ^2/NDF : 28.7/16

+ sign -1.100 ± 0.299 χ^2/NDF : 150.6/35

All: -0.857 ± 0.215 χ^2/NDF : 264.2/71

- sign -0.598 ± 0.308 χ^2/NDF : 112.2/35

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 30.914+/-0.461 χ^2/NDF : 1215.5/18

Right Out: 25.717+/-1.243 χ^2/NDF : 1378.8/18

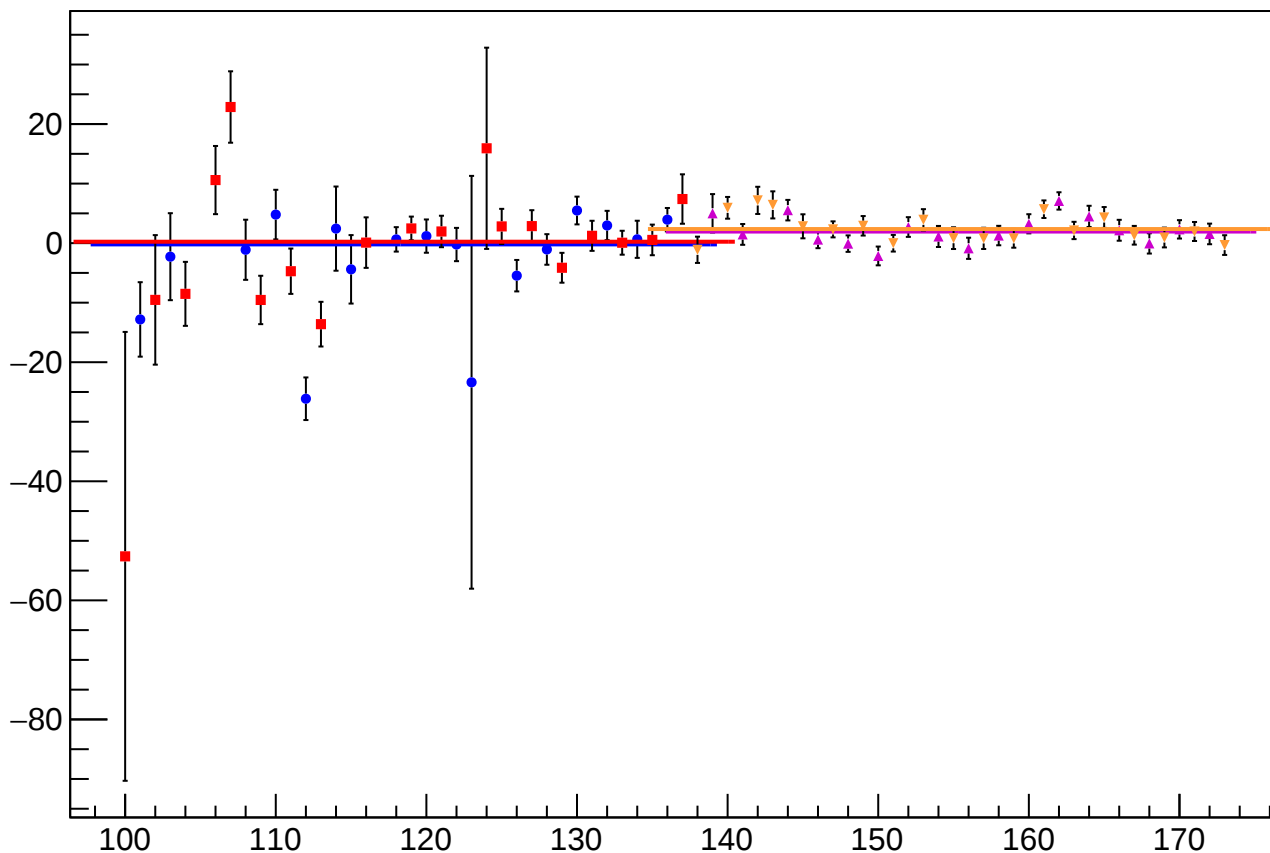
Left In: 34.160+/-0.471 χ^2/NDF : 151.7/16

+ sign 29.281+/-0.433 χ^2/NDF : 2262.5/35

All: 31.157+/-0.309 χ^2/NDF : 3871.5/71

- sign 33.100+/-0.440 χ^2/NDF : 1570.8/35

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.367 ± 0.387 χ^2/NDF : 30.5/18

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

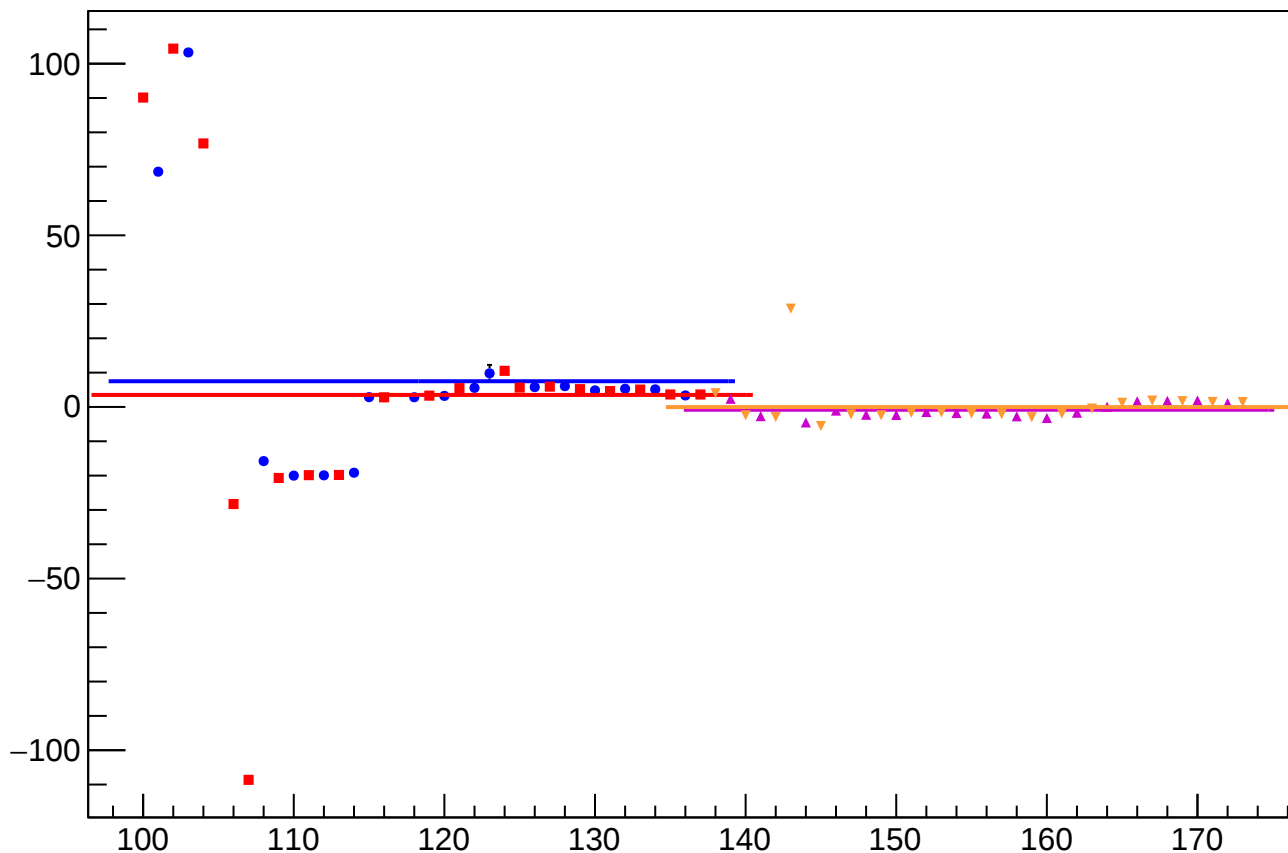
Left In: 1.946 ± 0.404 χ^2/NDF : 34.8/16

+ sign 1.828 ± 0.344 χ^2/NDF : 115.7/35

All: 1.699 ± 0.247 χ^2/NDF : 209.3/71

- sign 1.561 ± 0.355 χ^2/NDF : 93.4/35

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 ± 0.045 χ^2/NDF : 355979.0/16

Left Out: -0.041 ± 0.018 χ^2/NDF : 76855.6/18

Right Out: 3.504 ± 0.046 χ^2/NDF : 510579.4/18

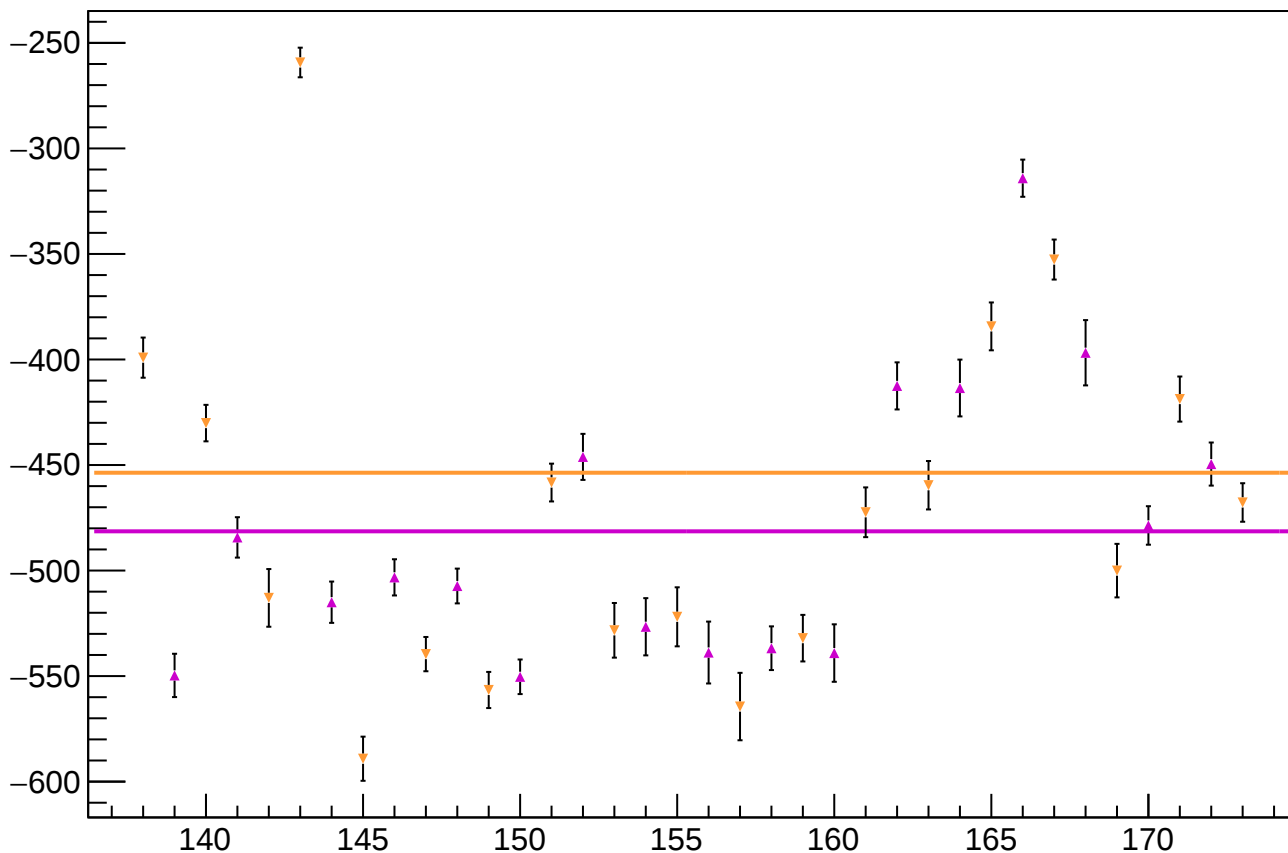
Left In: -0.815 ± 0.018 χ^2/NDF : 11817.5/16

+ sign 0.999 ± 0.017 χ^2/NDF : 457383.7/35

All: 0.407 ± 0.012 χ^2/NDF : 990115.7/71

- sign -0.216 ± 0.017 χ^2/NDF : 530113.2/35

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -453.651+/-2.329 χ^2/NDF :1586.8/18

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

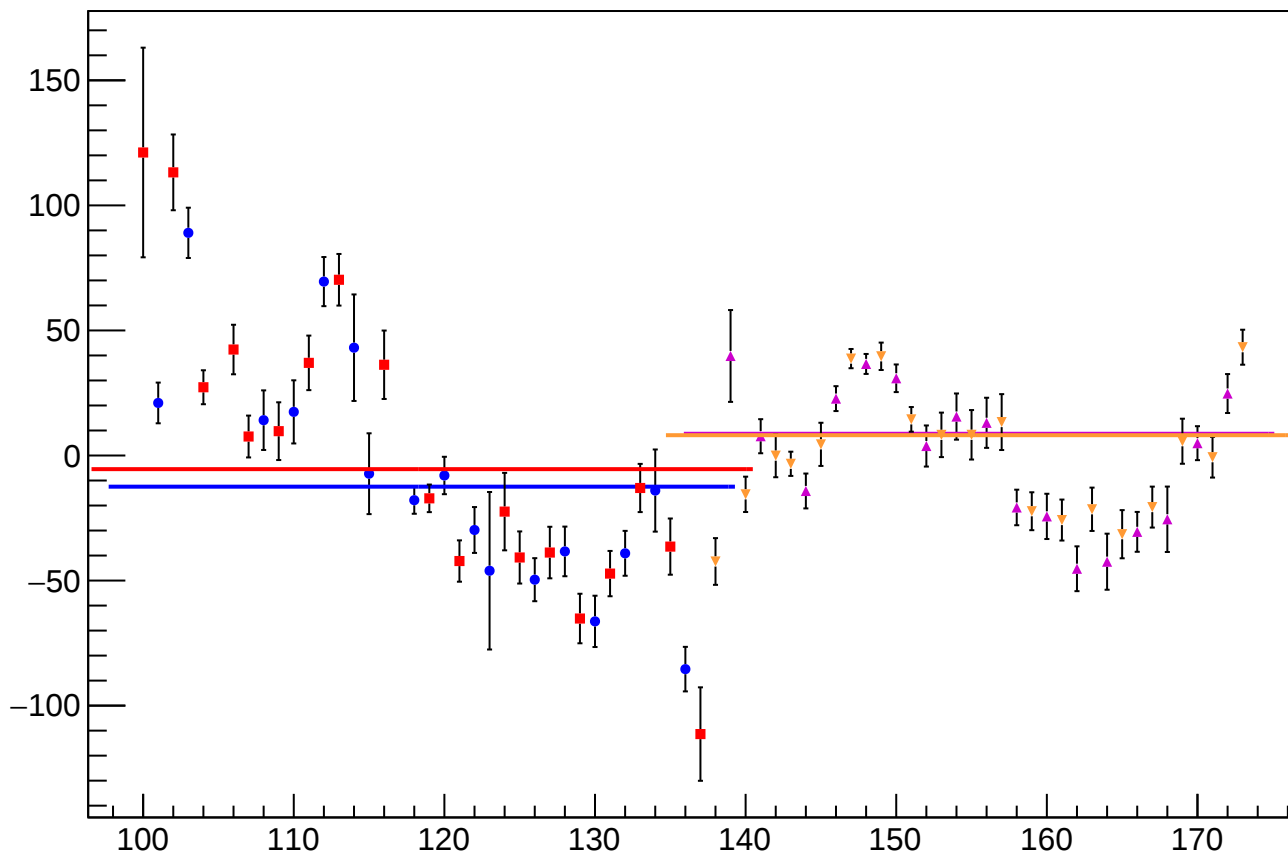
Left In: -481.415+/-2.504 χ^2/NDF :691.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -466.529+/-1.705 χ^2/NDF : 2343.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 8.121 ± 1.595 χ^2/NDF : 246.2/18

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

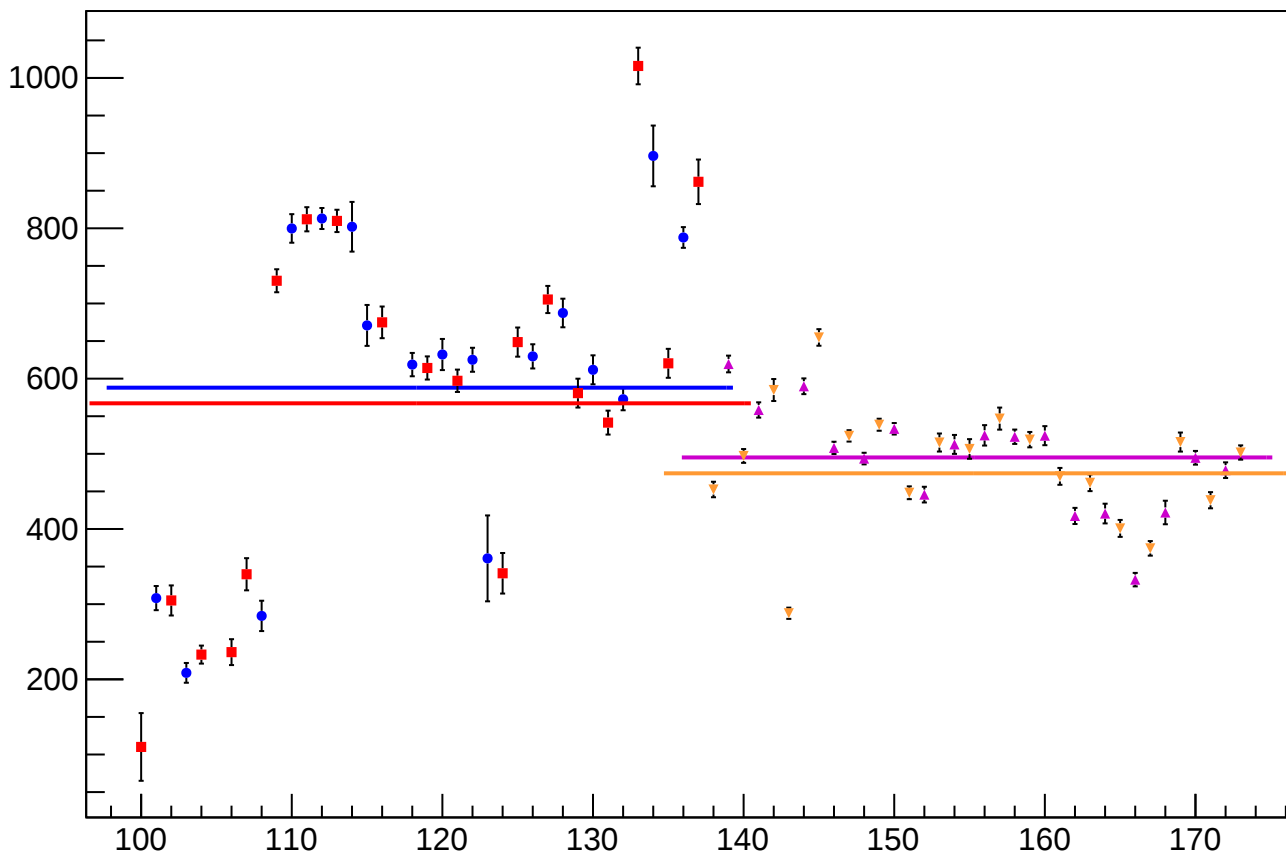
Left In: 8.692 ± 1.741 χ^2/NDF : 211.1/16

+ sign 1.627 ± 1.319 χ^2/NDF : 639.9/35

All: 2.483 ± 0.953 χ^2/NDF : 1221.4/71

- sign 3.418 ± 1.379 χ^2/NDF : 580.6/35

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 ± 4.353 $\chi^2/\text{NDF}: 2129.6/16$

Left Out: 474.058 ± 2.317 $\chi^2/\text{NDF}: 1313.6/18$

Right Out: 567.179 ± 4.136 $\chi^2/\text{NDF}: 2783.2/18$

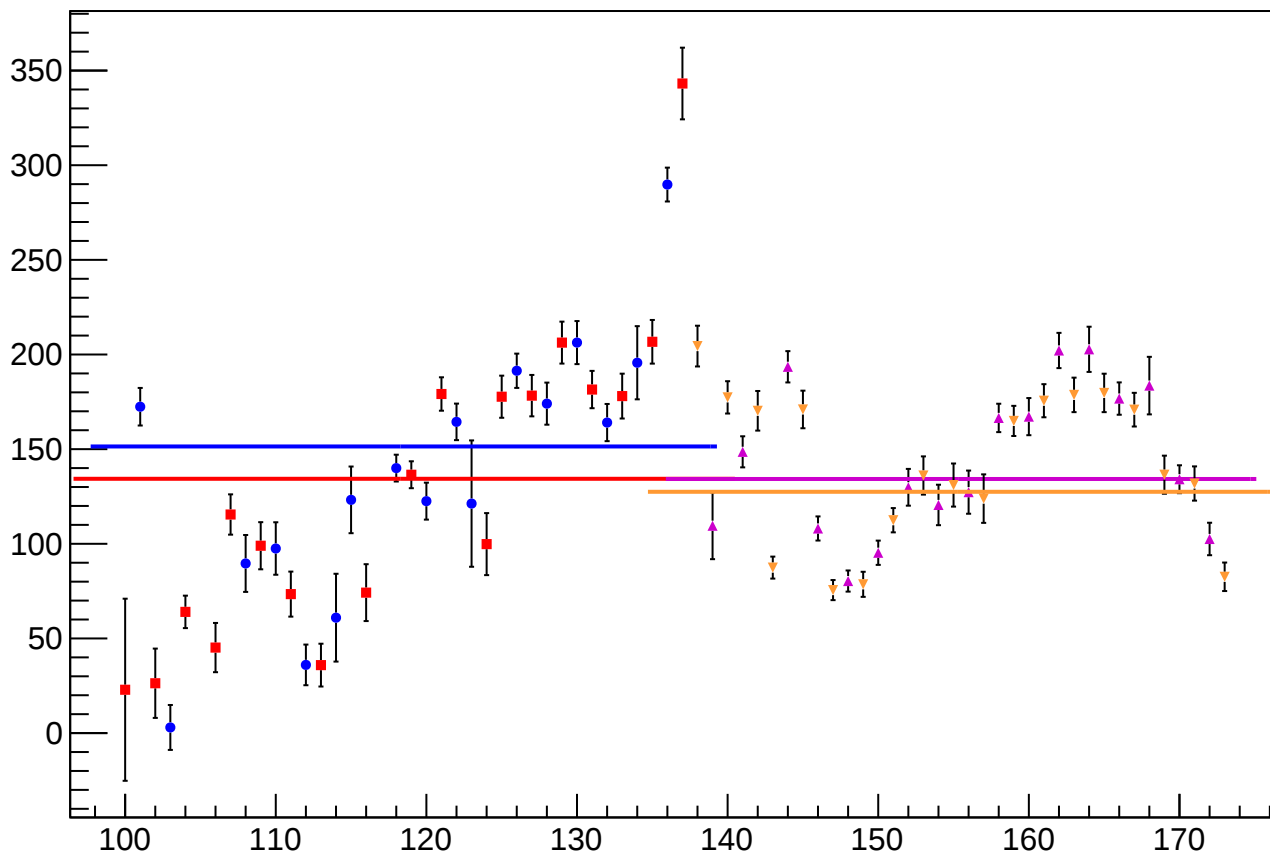
Left In: 495.171 ± 2.456 $\chi^2/\text{NDF}: 752.9/16$

+ sign 499.219 ± 2.045 $\chi^2/\text{NDF}: 3977.1/35$

All: 506.345 ± 1.469 $\chi^2/\text{NDF}: 7762.3/71$

- sign 513.940 ± 2.112 $\chi^2/\text{NDF}: 3760.2/35$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 127.478 $\pm$ 1.888 χ^2 /NDF: 496.2/18

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

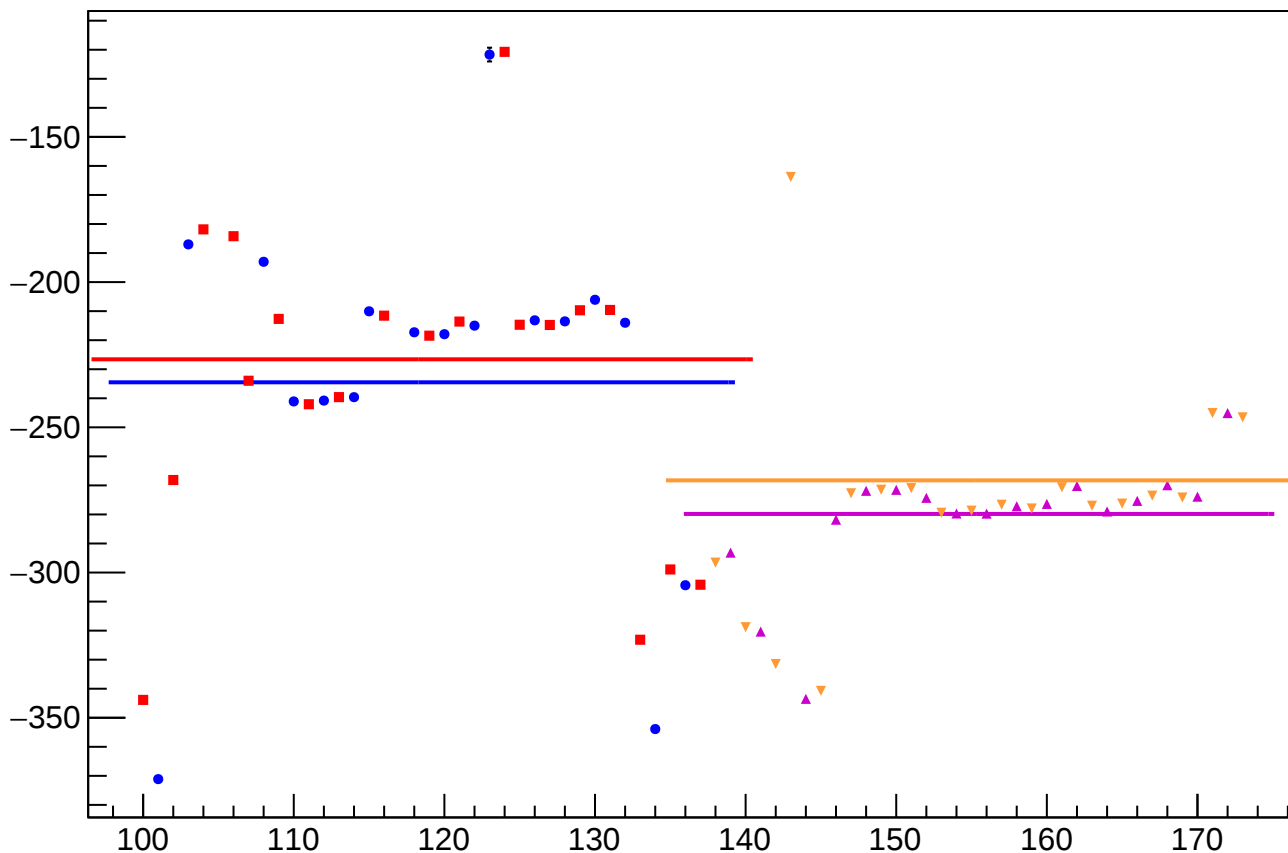
Left In: 134.244 $\pm$ 2.052 χ^2 /NDF: 370.4/16

+ sign 135.305 $\pm$ 1.549 χ^2 /NDF: 1182.1/35

All: 134.815 $\pm$ 1.118 χ^2 /NDF: 2137.6/71

- sign 134.283 $\pm$ 1.614 χ^2 /NDF: 955.3/35

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -268.259 ± 0.092 $\chi^2/\text{NDF}: 191878.0/18$

Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

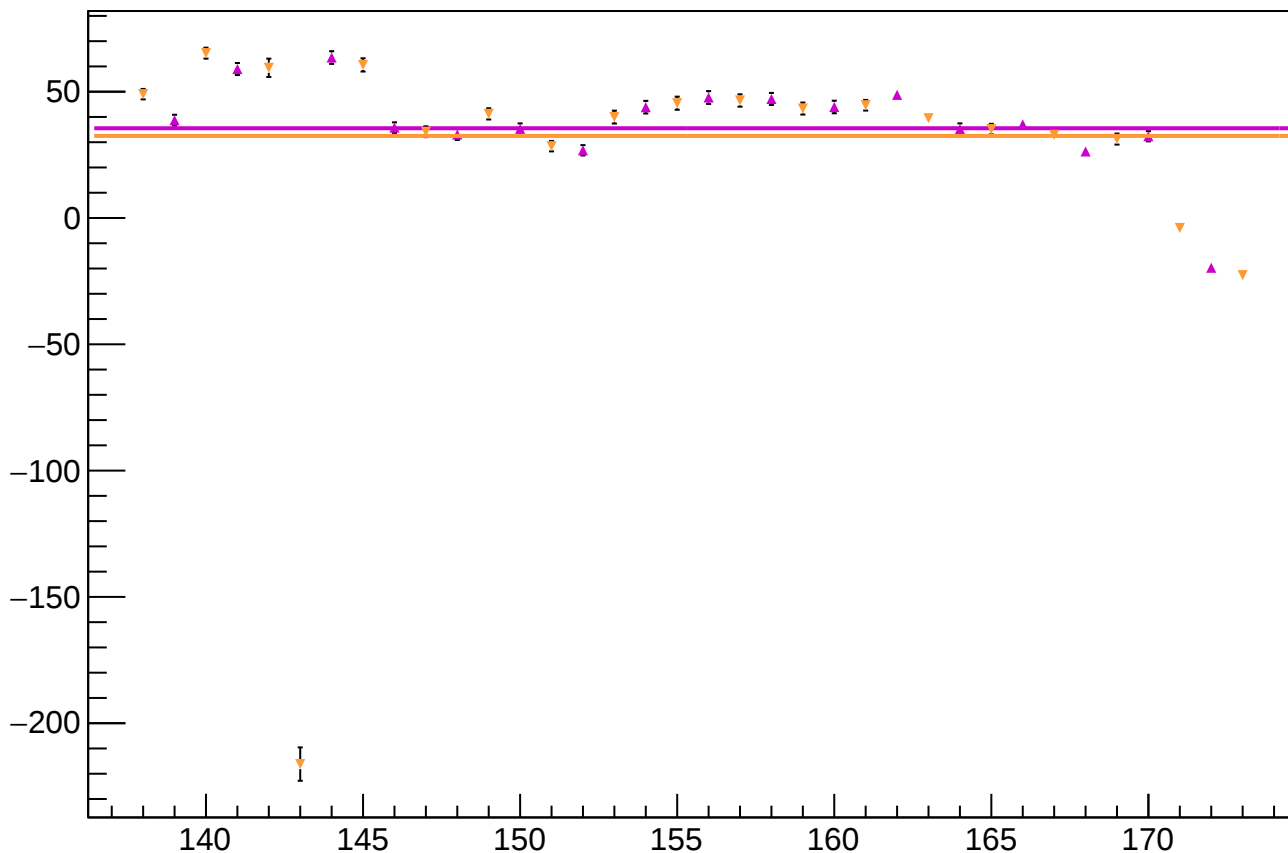
Left In: -279.824 ± 0.097 $\chi^2/\text{NDF}: 41767.7/16$

+ sign -258.953 ± 0.078 $\chi^2/\text{NDF}: 374091.4/35$

All: -260.801 ± 0.056 $\chi^2/\text{NDF}: 612243.6/71$

- sign -262.738 ± 0.080 $\chi^2/\text{NDF}: 237009.9/35$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 32.496+/-0.516 χ^2/NDF : 3206.5/18

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

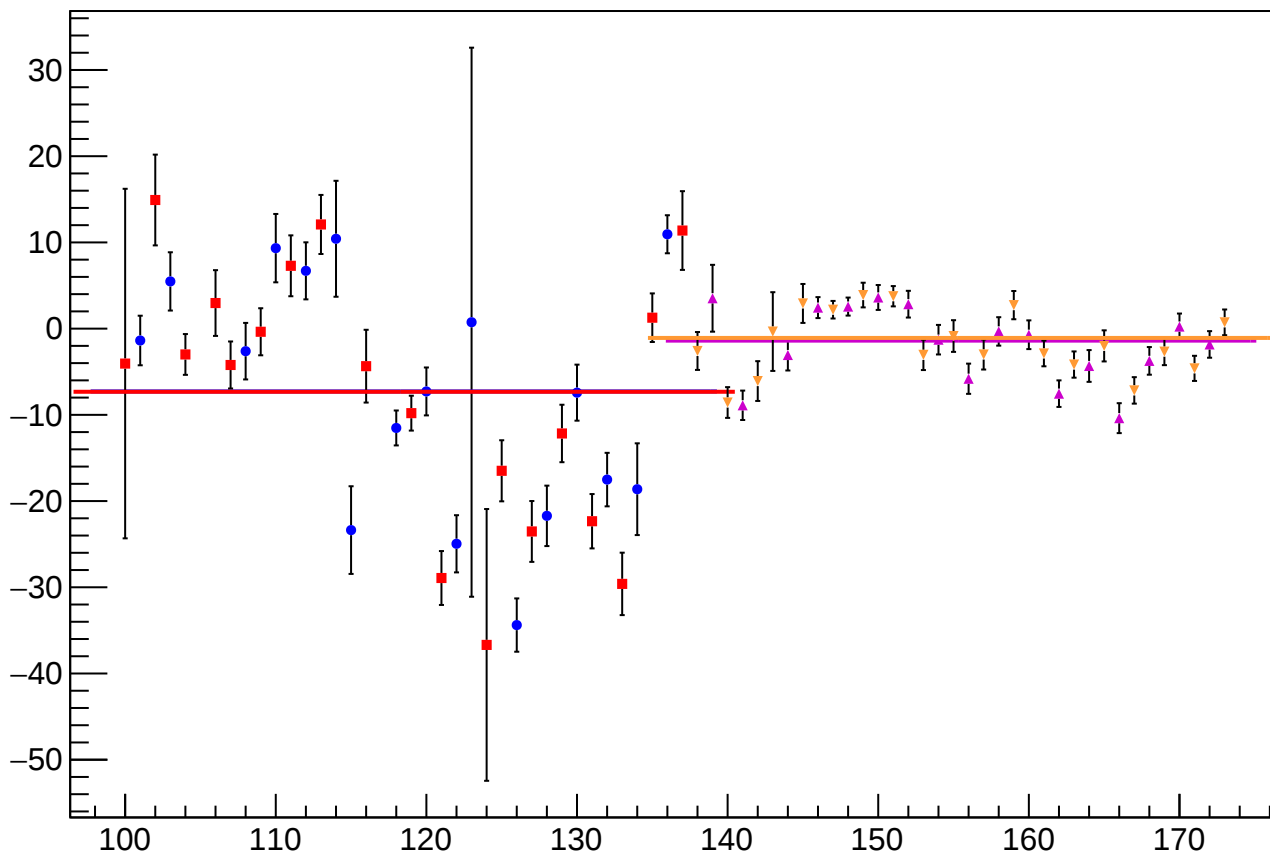
Left In: 35.531+/-0.525 χ^2/NDF : 1149.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 33.986+/-0.368 χ^2/NDF : 4372.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -1.079 ± 0.368 χ^2/NDF : 103.0/18

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

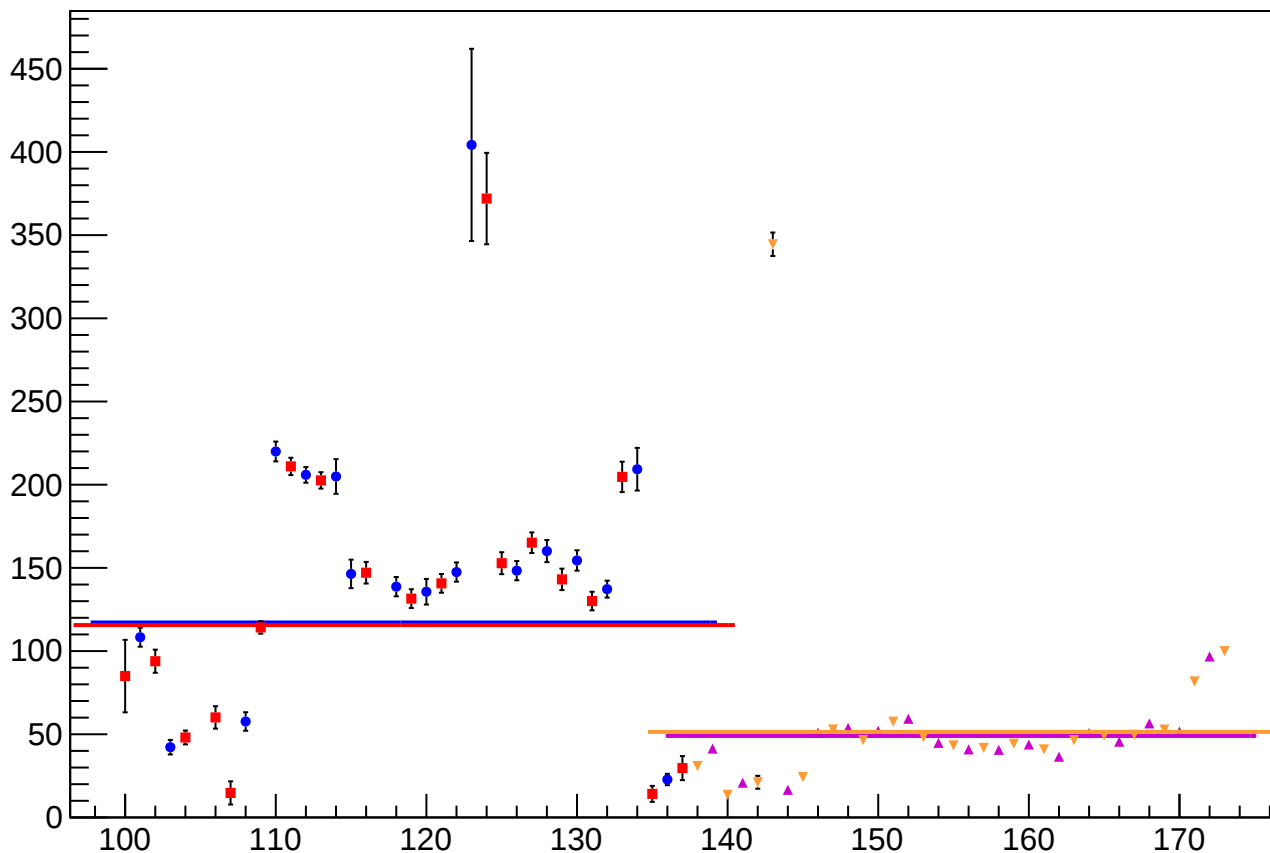
Left In: -1.391 ± 0.381 χ^2/NDF : 121.1/16

+ sign -2.188 ± 0.333 χ^2/NDF : 437.1/35

All: -2.380 ± 0.238 χ^2/NDF : 862.8/71

- sign -2.579 ± 0.340 χ^2/NDF : 425.0/35

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 $\pm$ 1.416 χ^2 /NDF: 2161.0/16

Left Out: 51.438 $\pm$ 0.509 χ^2 /NDF:3157.4/18

Right Out: 115.632 $\pm$ 1.361 χ^2 /NDF: 2137.6/18

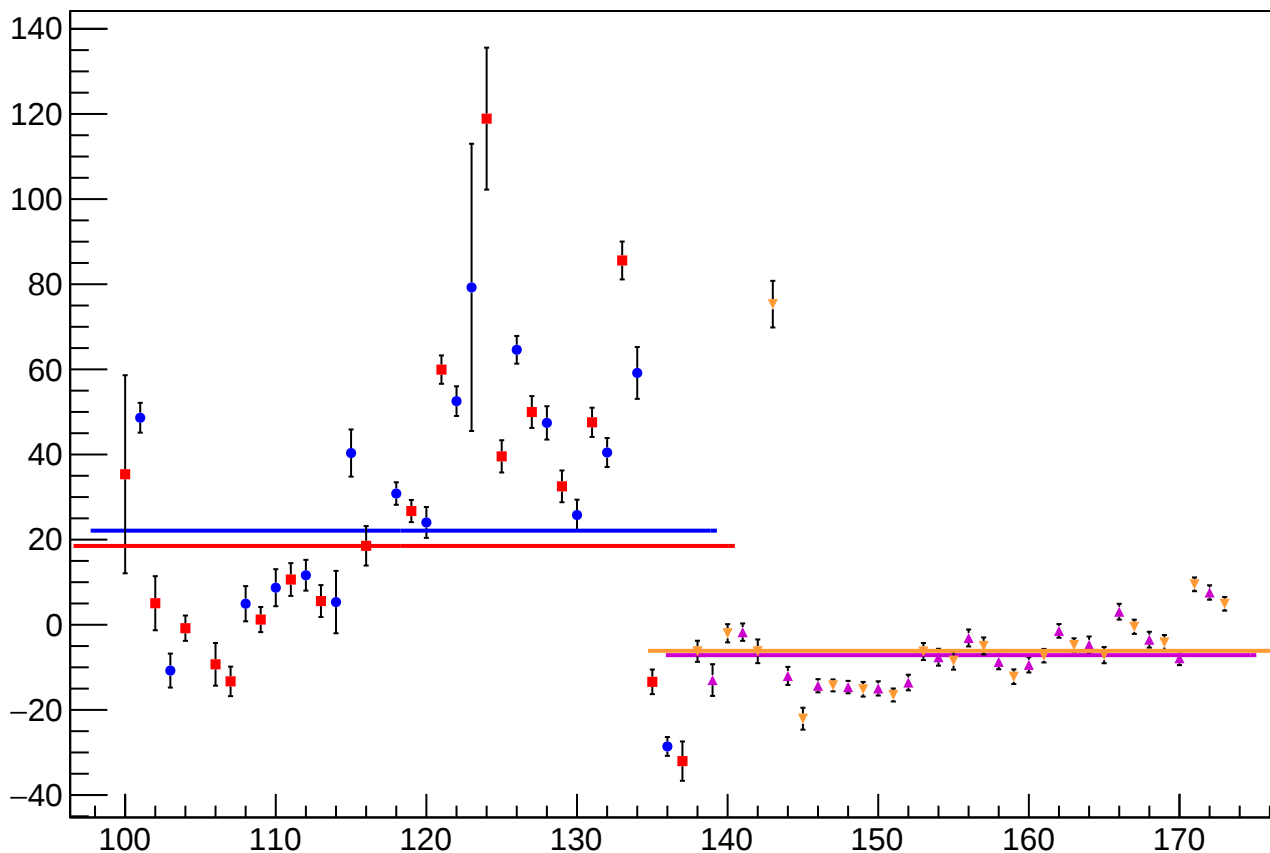
Left In: 48.985 $\pm$ 0.515 χ^2 /NDF:963.1/16

+ sign 58.948 $\pm$ 0.479 χ^2 /NDF: 7227.2/35

All: 58.148 $\pm$ 0.340 χ^2 /NDF: 12430.9/71

- sign 57.338 $\pm$ 0.482 χ^2 /NDF: 5198.1/35

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 ± 0.898 χ^2/NDF : 1070.3/16

Left Out: -6.125 ± 0.425 χ^2/NDF : 538.8/18

Right Out: 18.521 ± 0.871 χ^2/NDF : 1068.6/18

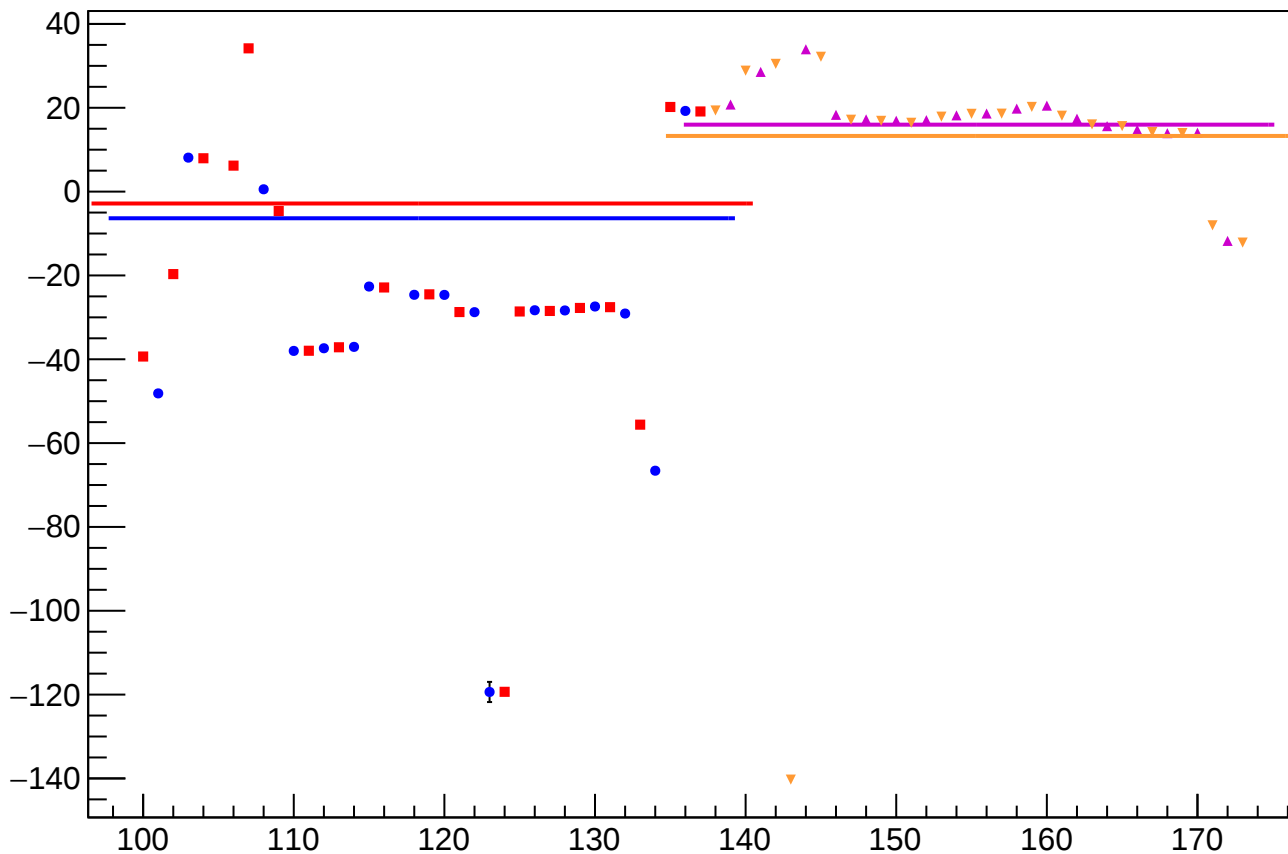
Left In: -7.139 ± 0.440 χ^2/NDF : 226.7/16

+ sign -0.961 ± 0.384 χ^2/NDF : 2416.6/35

All: -1.429 ± 0.275 χ^2/NDF : 4406.0/71

- sign -1.919 ± 0.393 χ^2/NDF : 1986.4/35

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 13.280 ± 0.020 χ^2/NDF : 617237.9/18

Right Out: -2.837 ± 0.046 χ^2/NDF : 265573.0/18

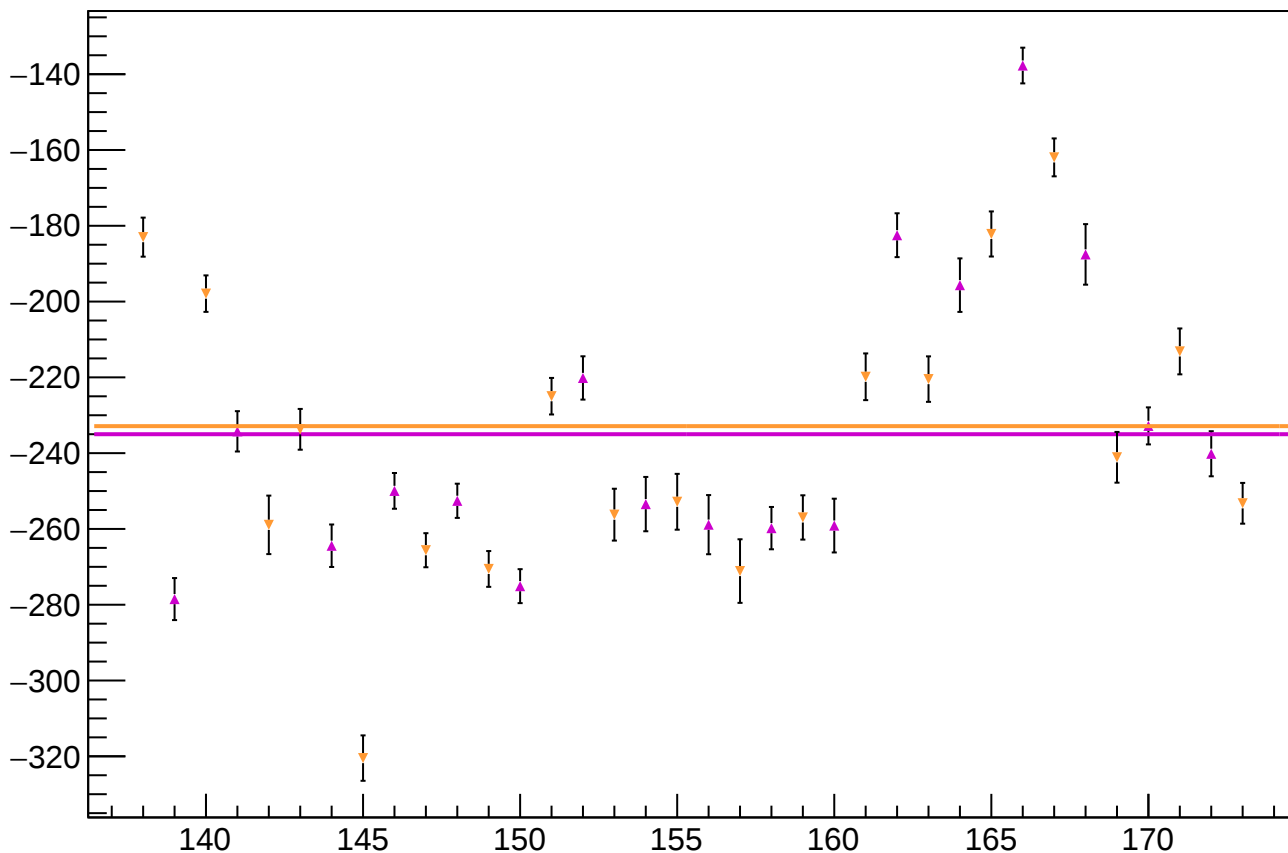
Left In: 15.972 ± 0.020 χ^2/NDF : 199818.9/16

+ sign 10.278 ± 0.018 χ^2/NDF : 1034334.5/35

All: 11.594 ± 0.013 χ^2/NDF : 1652288.2/71

- sign 12.946 ± 0.018 χ^2/NDF : 607246.7/35

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -232.874+/-1.305 χ^2/NDF : 856.4/18

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

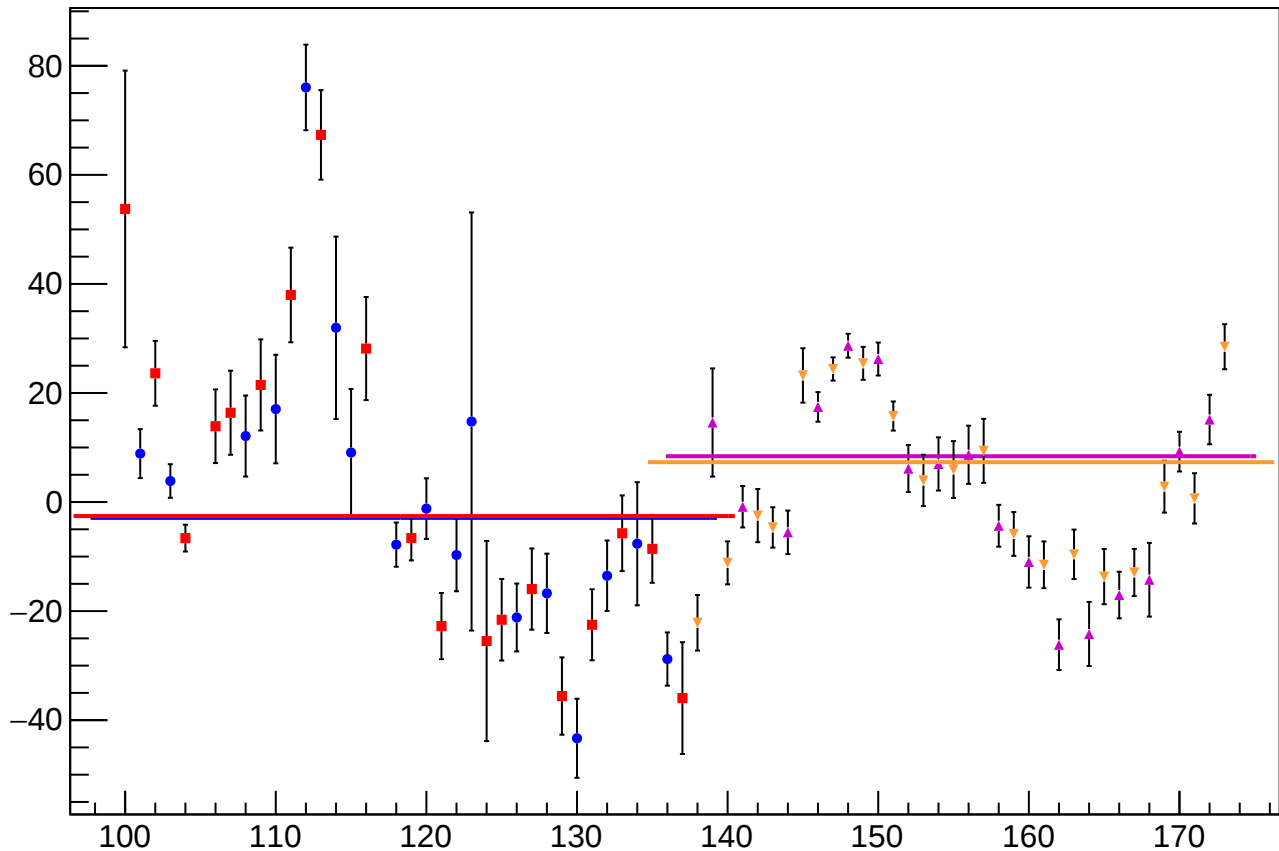
Left In: -235.003+/-1.358 χ^2/NDF : 824.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -233.897+/-0.941 χ^2/NDF : 1681.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 7.311 ± 0.896 χ^2/NDF : 303.2/18

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

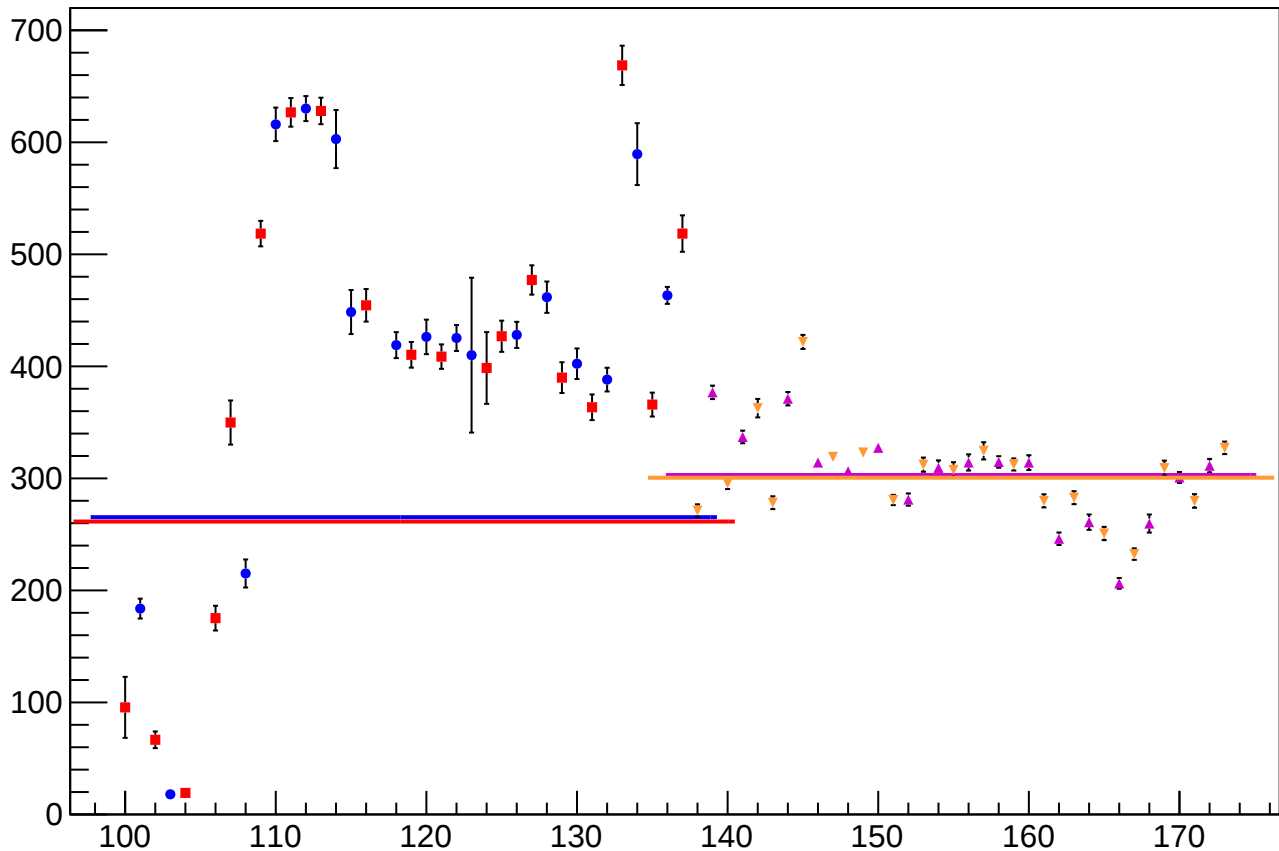
Left In: 8.401 ± 0.946 χ^2/NDF : 313.8/16

+ sign 4.539 ± 0.764 χ^2/NDF : 542.1/35

All: 4.738 ± 0.547 χ^2/NDF : 1116.5/71

- sign 4.948 ± 0.783 χ^2/NDF : 574.3/35

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 300.605 $\pm$ 1.292 χ^2 /NDF:859.9/18

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

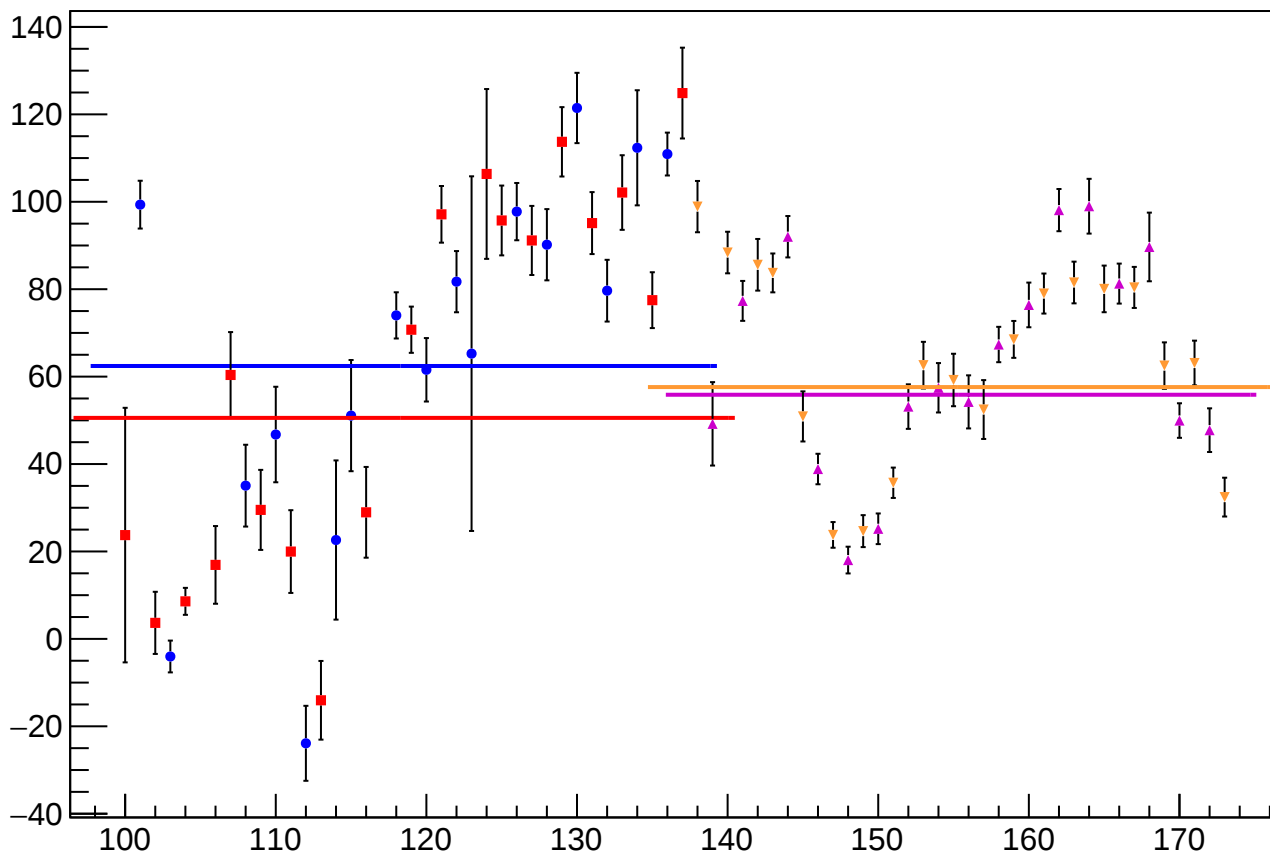
Left In: 302.985 $\pm$ 1.330 χ^2 /NDF:962.1/16

+ sign 293.121 $\pm$ 1.147 χ^2 /NDF: 8651.7/35

All: 293.347 $\pm$ 0.819 χ^2 /NDF: 18039.0/71

- sign 293.582 $\pm$ 1.170 χ^2 /NDF: 9387.2/35

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434+/-1.694 χ^2 /NDF: 721.8/16

Left Out: 57.609+/-1.058 χ^2 /NDF:533.8/18

Right Out: 50.560+/-1.642 χ^2 /NDF: 657.4/18

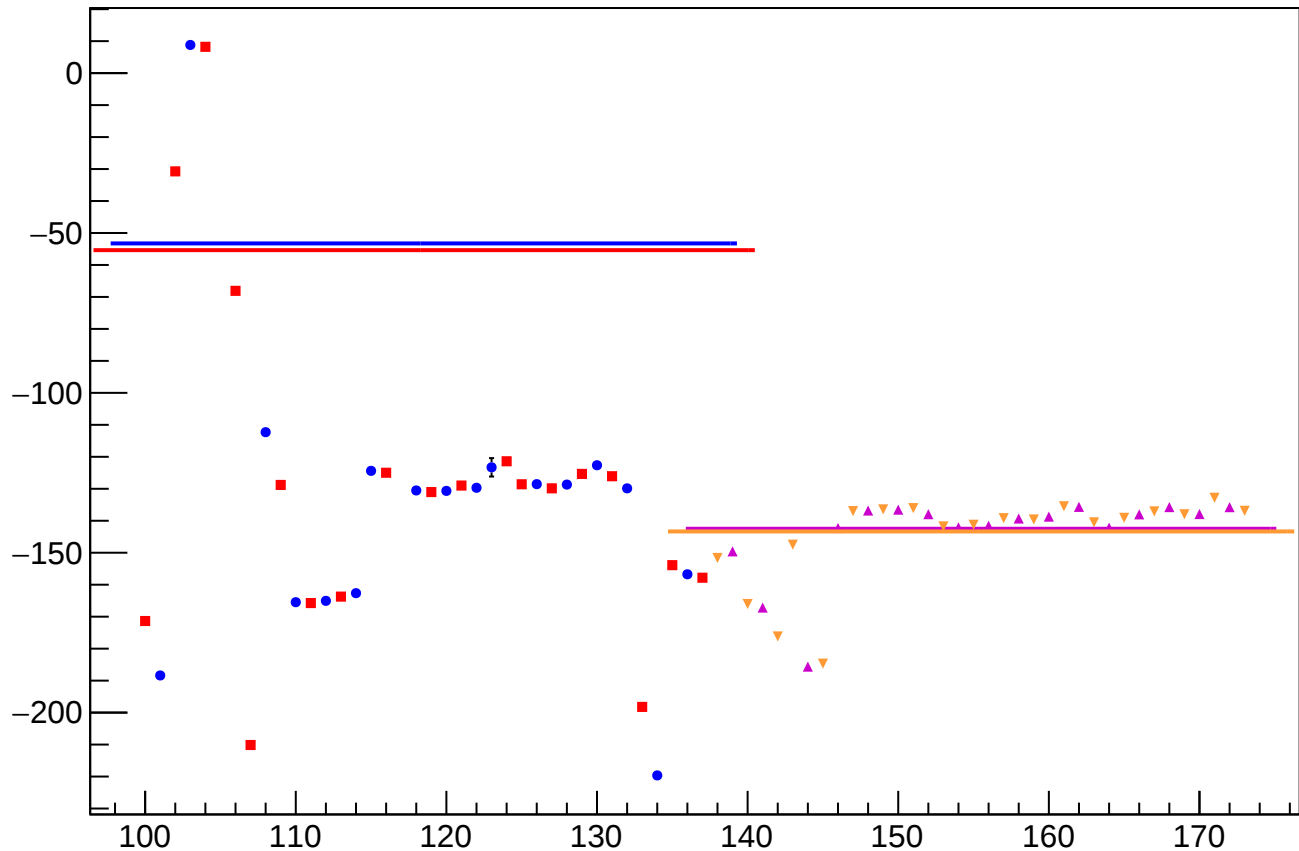
Left In: 55.854+/-1.113 χ^2 /NDF:536.8/16

+ sign 58.963+/-0.897 χ^2 /NDF: 1261.4/35

All: 56.639+/-0.643 χ^2 /NDF: 2476.5/71

- sign 54.186+/-0.922 χ^2 /NDF: 1201.3/35

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 ± 0.070 χ^2/NDF : 1225492.9/16

Left Out: -143.346 ± 0.051 χ^2/NDF : 60361.6/18

Right Out: -55.373 ± 0.072 χ^2/NDF : 967027.2/18

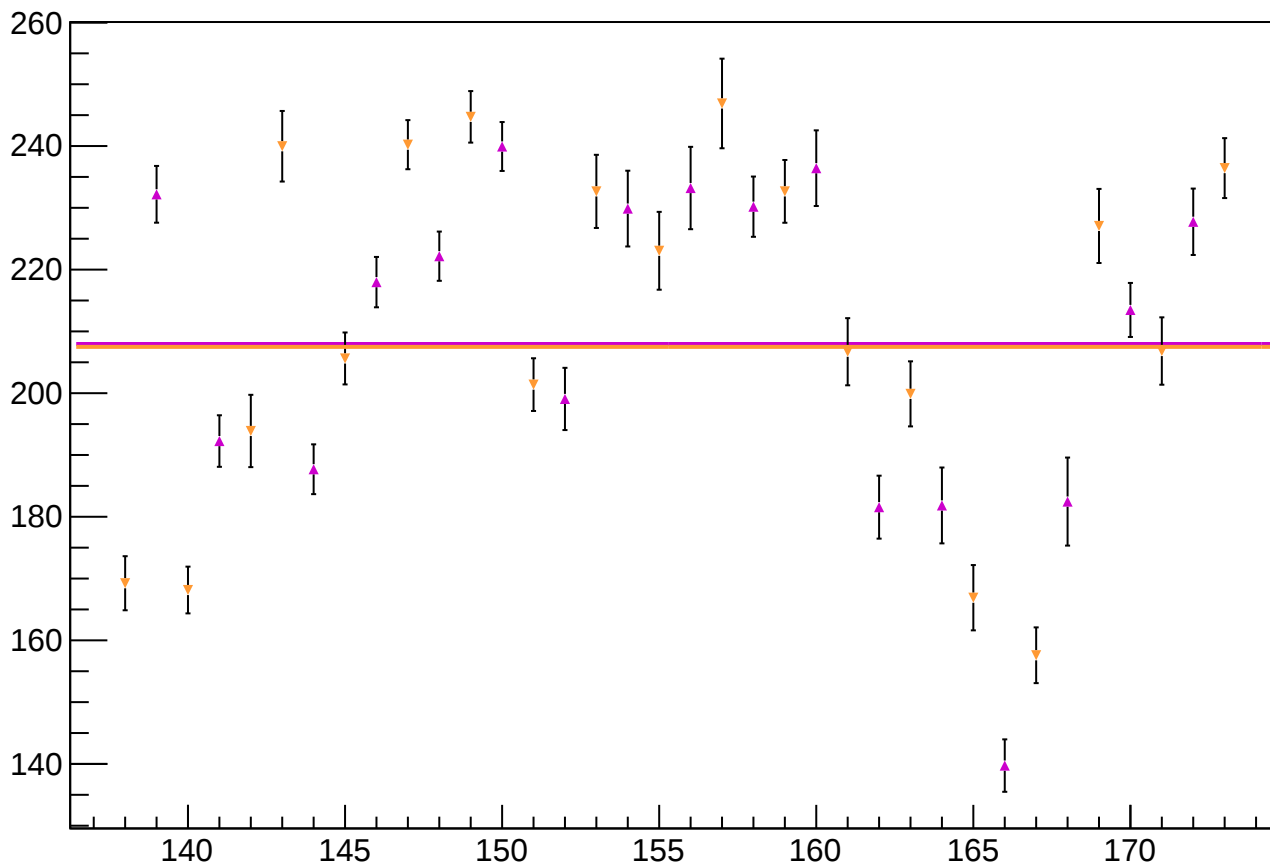
Left In: -142.507 ± 0.053 χ^2/NDF : 46329.5/16

+ sign -112.207 ± 0.041 χ^2/NDF : 2356839.0/35

All: -112.191 ± 0.030 χ^2/NDF : 4326247.0/71

- sign -112.175 ± 0.042 χ^2/NDF : 1969407.7/35

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 207.495+/-1.129 χ^2/NDF : 680.2/18

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

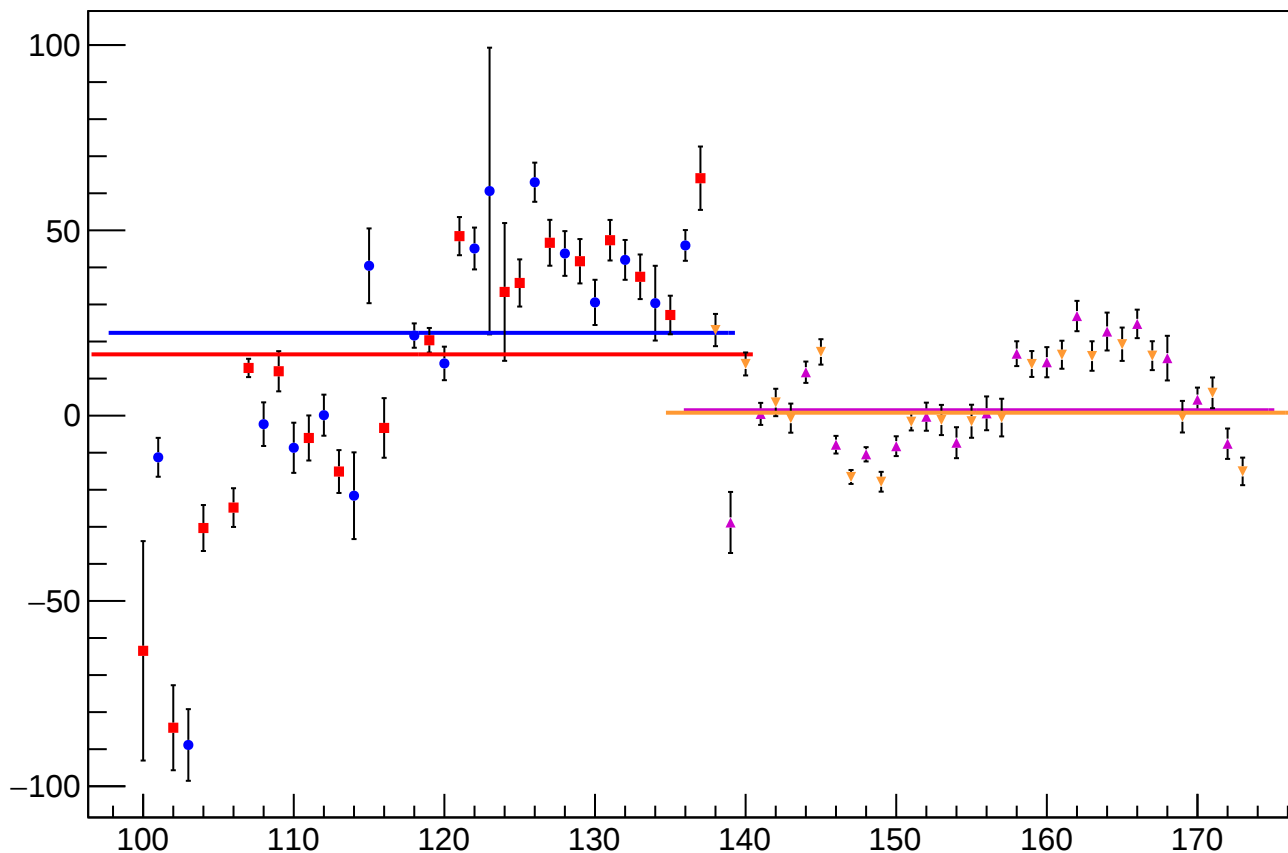
Left In: 207.961+/-1.164 χ^2/NDF : 555.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 207.721+/-0.810 χ^2/NDF : 1235.7/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 ± 1.395 χ^2/NDF : 385.8/16

Left Out: 0.795 ± 0.779 χ^2/NDF : 301.3/18

Right Out: 16.537 ± 1.227 χ^2/NDF : 426.6/18

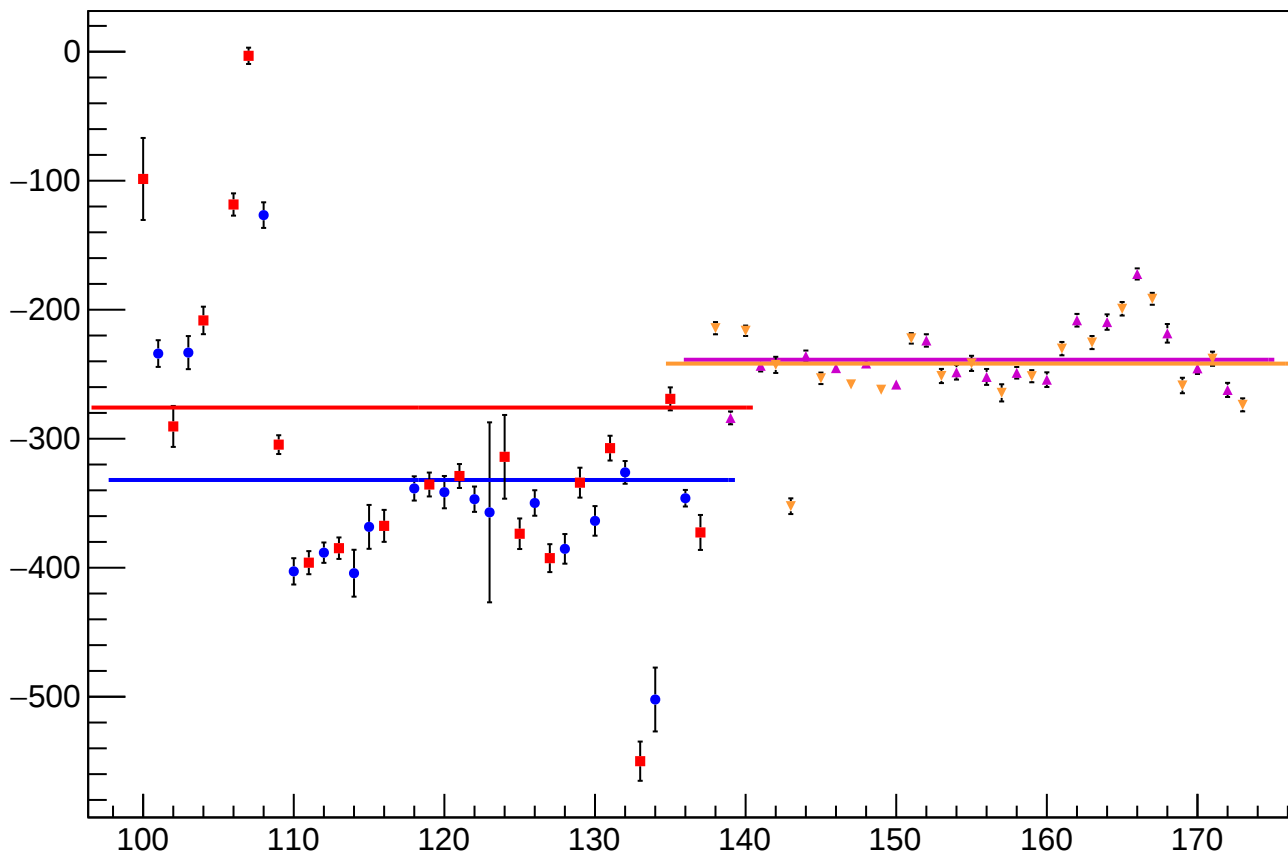
Left In: 1.454 ± 0.815 χ^2/NDF : 231.8/16

+ sign 5.917 ± 0.680 χ^2/NDF : 868.9/35

All: 5.994 ± 0.481 χ^2/NDF : 1632.2/71

- sign 6.071 ± 0.679 χ^2/NDF : 763.2/35

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 χ^2/NDF : 785.0/16

Left Out: -241.783 ± 1.120 χ^2/NDF : 744.4/18

Right Out: -275.842 ± 2.325 χ^2/NDF : 3362.2/18

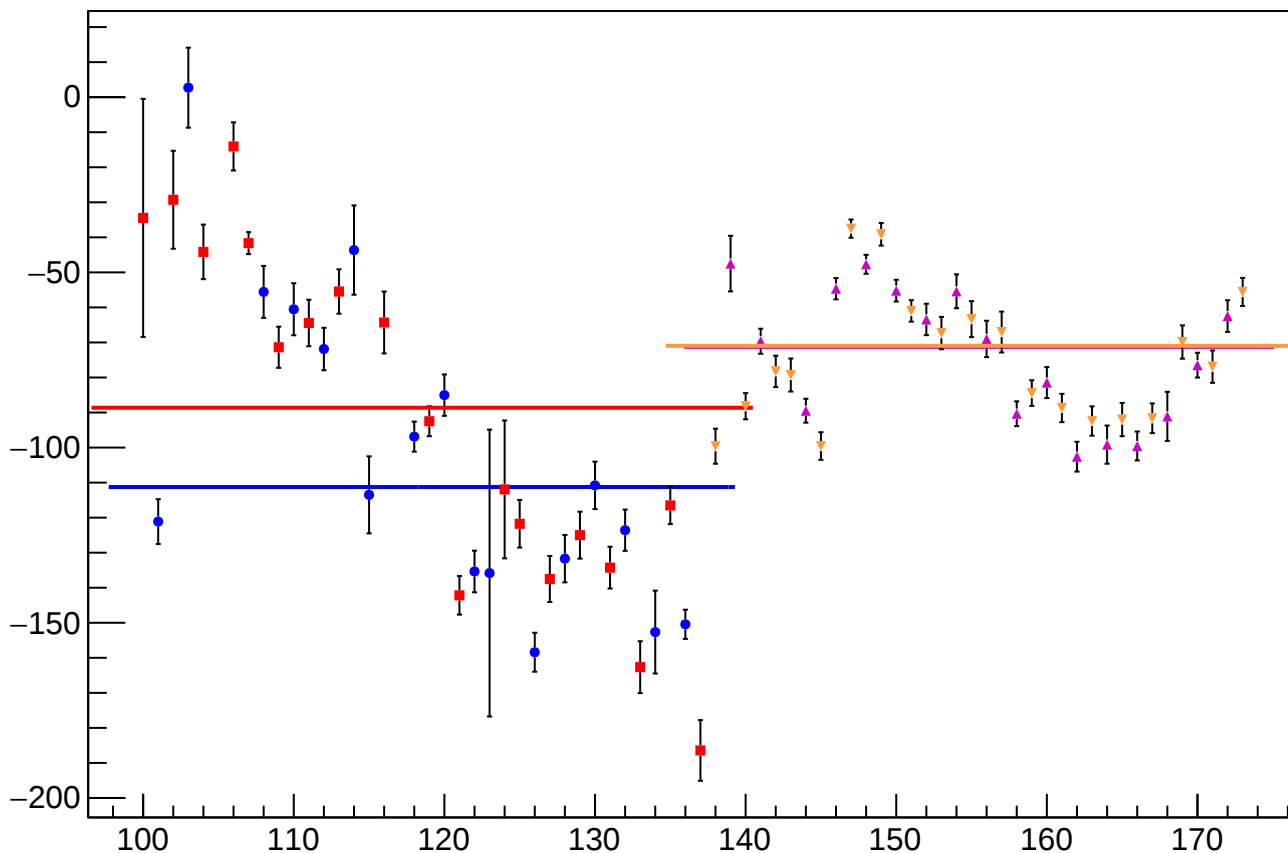
Left In: -238.778 ± 1.145 χ^2/NDF : 471.8/16

+ sign -256.089 ± 1.028 χ^2/NDF : 2557.8/35

All: -251.046 ± 0.726 χ^2/NDF : 6644.6/71

- sign -246.010 ± 1.027 χ^2/NDF : 4038.6/35

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 $\chi^2/\text{NDF}: 509.6/16$

Left Out: -70.952 ± 0.920 $\chi^2/\text{NDF}: 508.4/18$

Right Out: -88.633 ± 1.433 $\chi^2/\text{NDF}: 971.0/18$

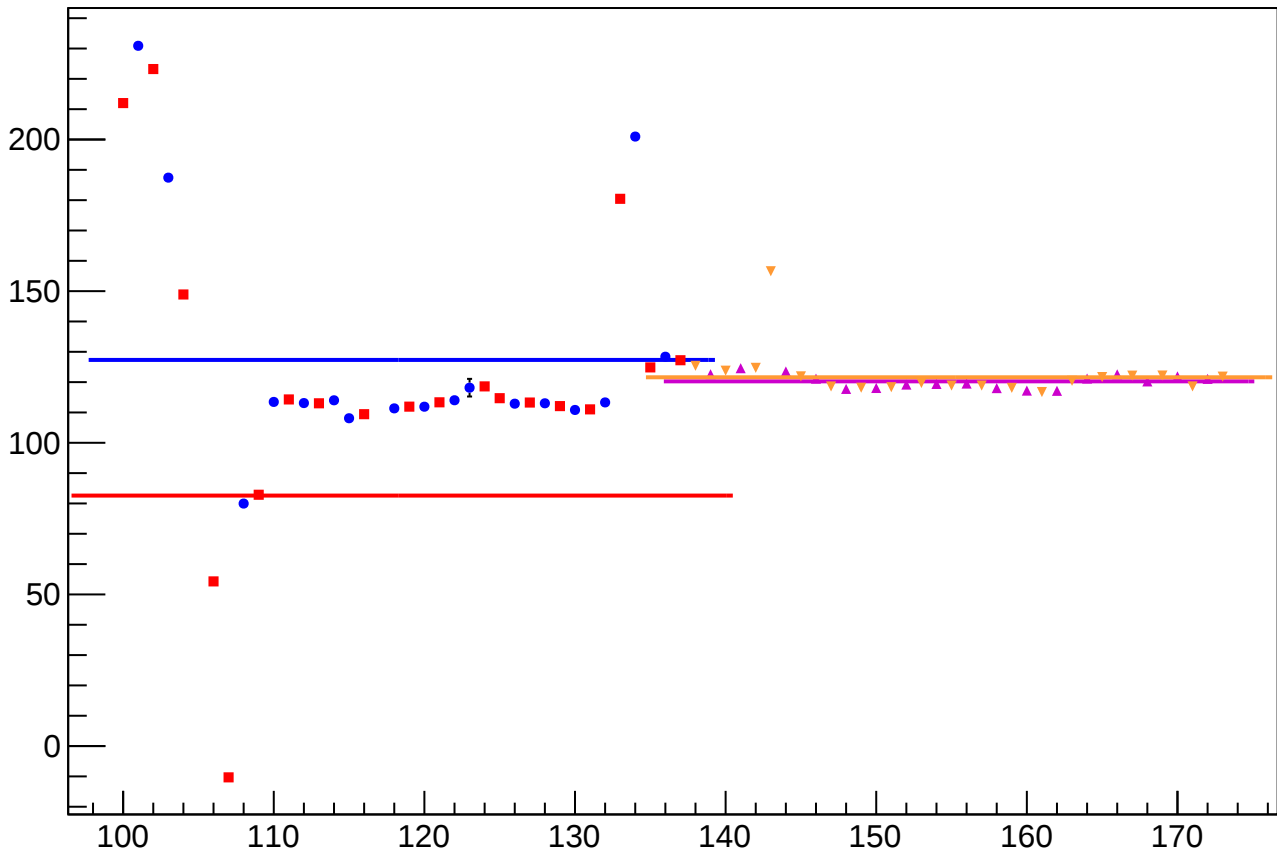
Left In: -71.260 ± 0.959 $\chi^2/\text{NDF}: 360.6/16$

+ sign -80.989 ± 0.797 $\chi^2/\text{NDF}: 1496.2/35$

All: -78.811 ± 0.564 $\chi^2/\text{NDF}: 2944.3/71$

- sign -76.633 ± 0.797 $\chi^2/\text{NDF}: 1433.1/35$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323±0.089 χ^2/NDF : 187776.4/16

Left Out: 121.598±0.044 χ^2/NDF : 23934.8/18

Right Out: 82.595±0.075 χ^2/NDF : 765022.5/18

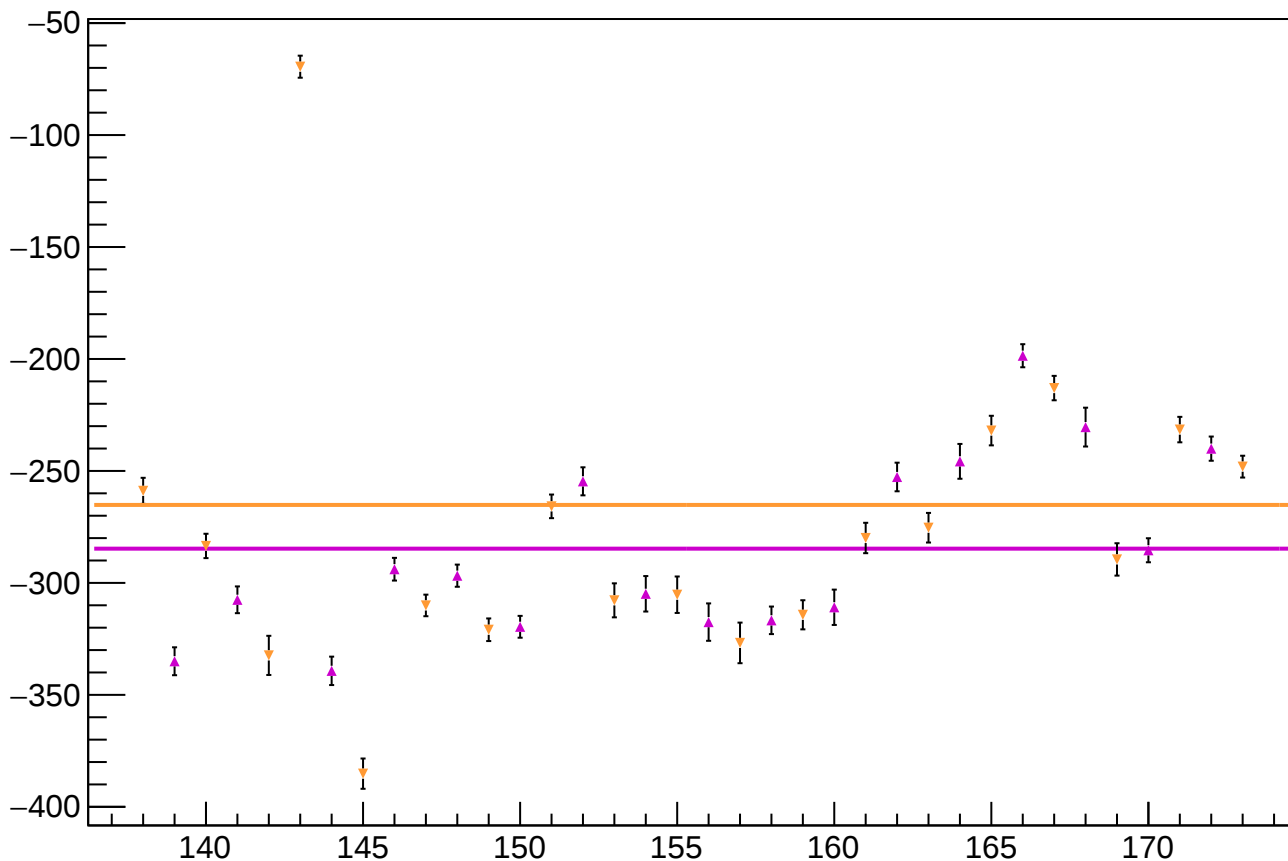
Left In: 120.264±0.045 χ^2/NDF : 2532.5/16

+ sign 122.729±0.040 χ^2/NDF : 214998.2/35

All: 116.352±0.028 χ^2/NDF : 1216322.5/71

- sign 110.270±0.039 χ^2/NDF : 951047.7/35

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -265.181+/-1.388 χ^2/NDF : 2516.4/18

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

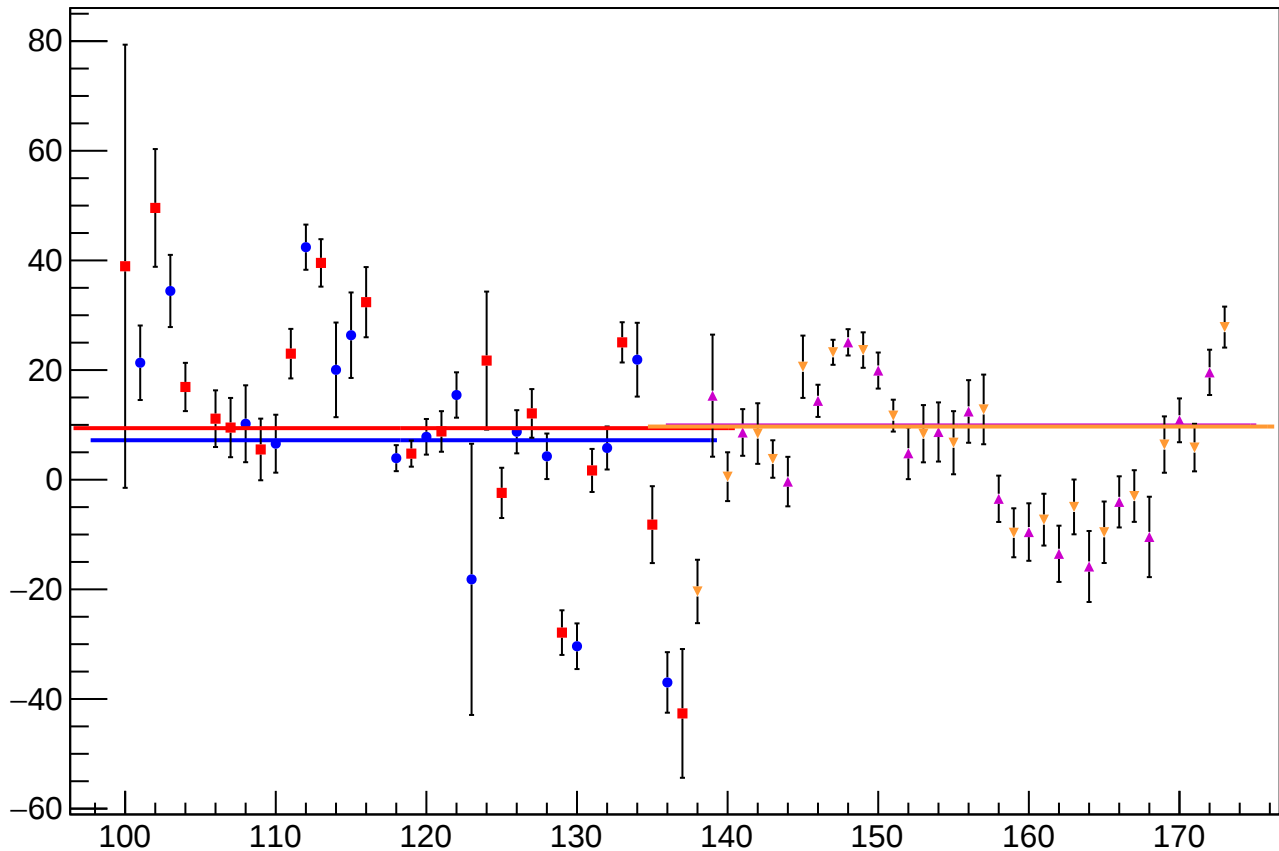
Left In: -284.706+/-1.475 χ^2/NDF : 734.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -274.348+/-1.011 χ^2/NDF : 3343.8/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 9.698 ± 0.953 χ^2/NDF : 177.0/18

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

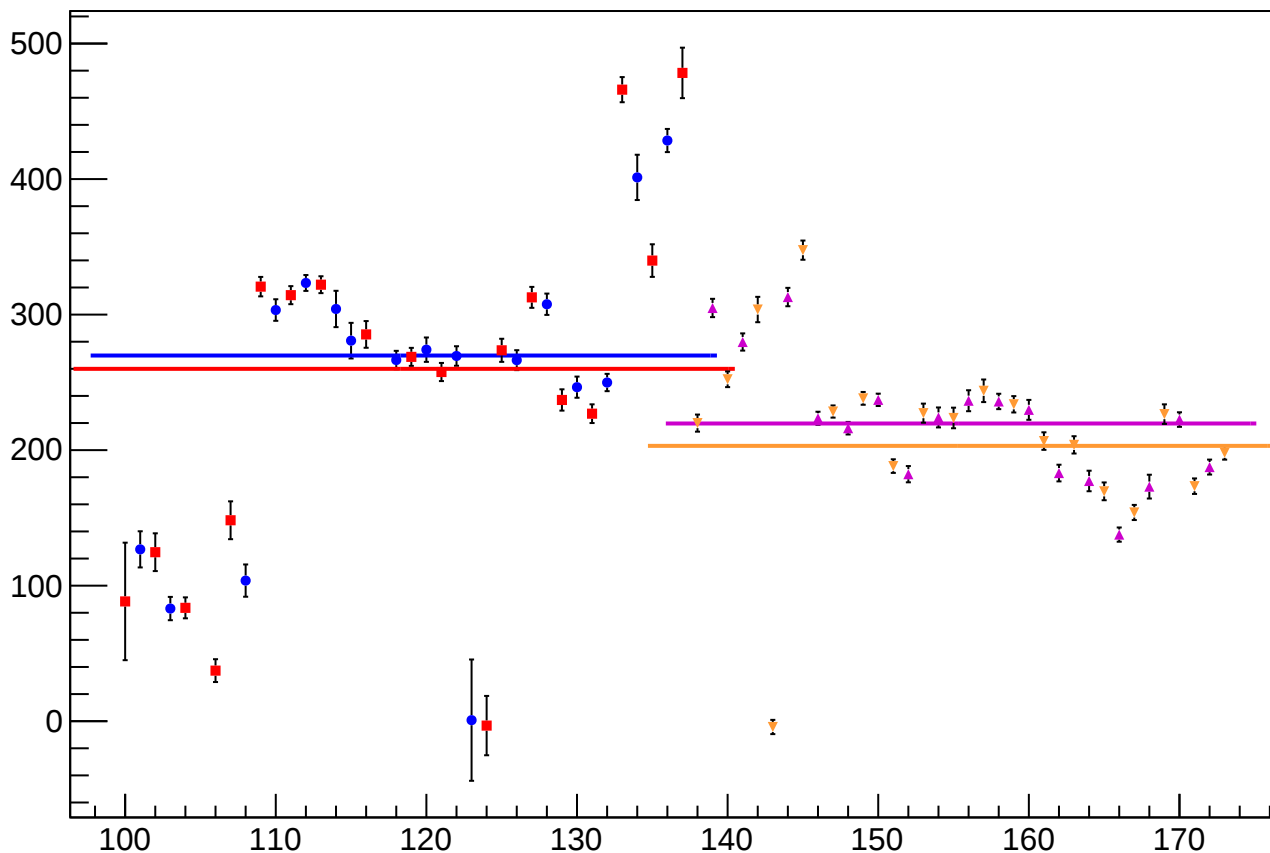
Left In: 9.903 ± 1.029 χ^2/NDF : 140.9/16

+ sign 8.630 ± 0.721 χ^2/NDF : 440.8/35

All: 9.132 ± 0.517 χ^2/NDF : 815.0/71

- sign 9.663 ± 0.742 χ^2/NDF : 373.2/35

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 203.151 $\pm$ 1.376 χ^2 /NDF: 2474.8/18

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

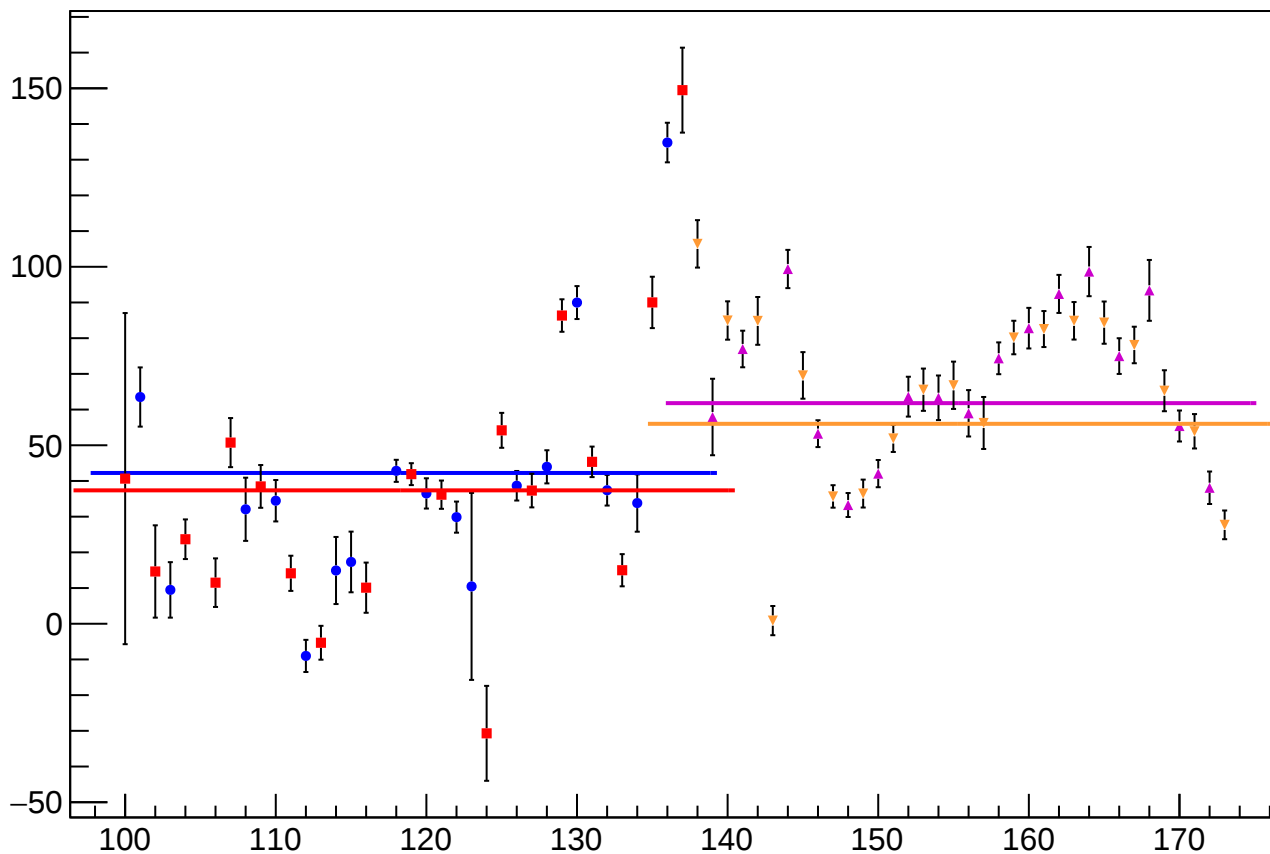
Left In: 219.656 $\pm$ 1.445 χ^2 /NDF: 880.6/16

+ sign 223.323 $\pm$ 1.149 χ^2 /NDF: 4558.8/35

All: 228.434 $\pm$ 0.819 χ^2 /NDF: 8289.3/71

- sign 233.703 $\pm$ 1.167 χ^2 /NDF: 3690.3/35

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 56.008 $\pm$ 1.124 χ^2 /NDF: 542.5/18

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

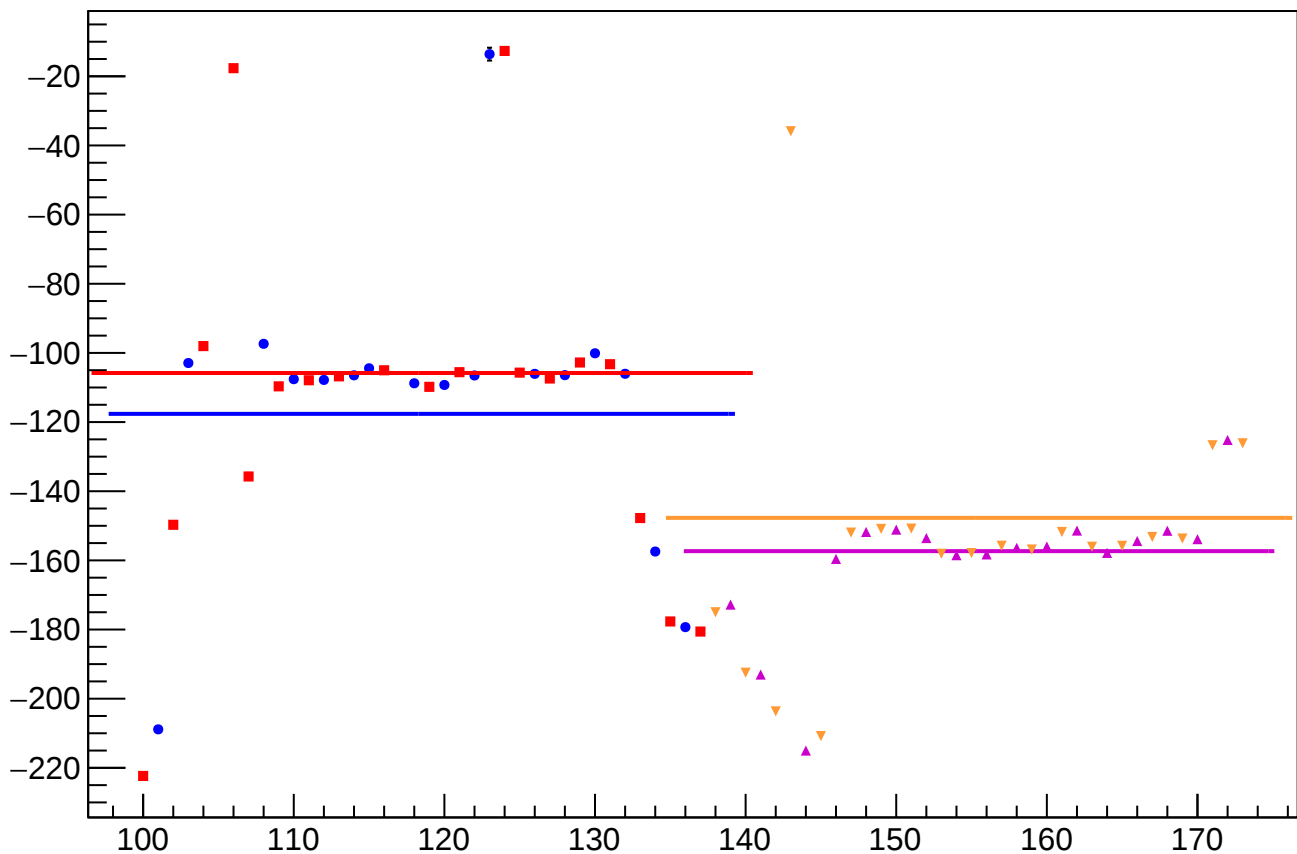
Left In: 61.802 $\pm$ 1.209 χ^2 /NDF: 295.7/16

+ sign 49.981 $\pm$ 0.843 χ^2 /NDF: 1182.6/35

All: 49.910 $\pm$ 0.603 χ^2 /NDF: 2150.5/71

- sign 49.835 $\pm$ 0.864 χ^2 /NDF: 967.9/35

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -147.705+/-0.054 χ^2/NDF : 433159.4/18

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

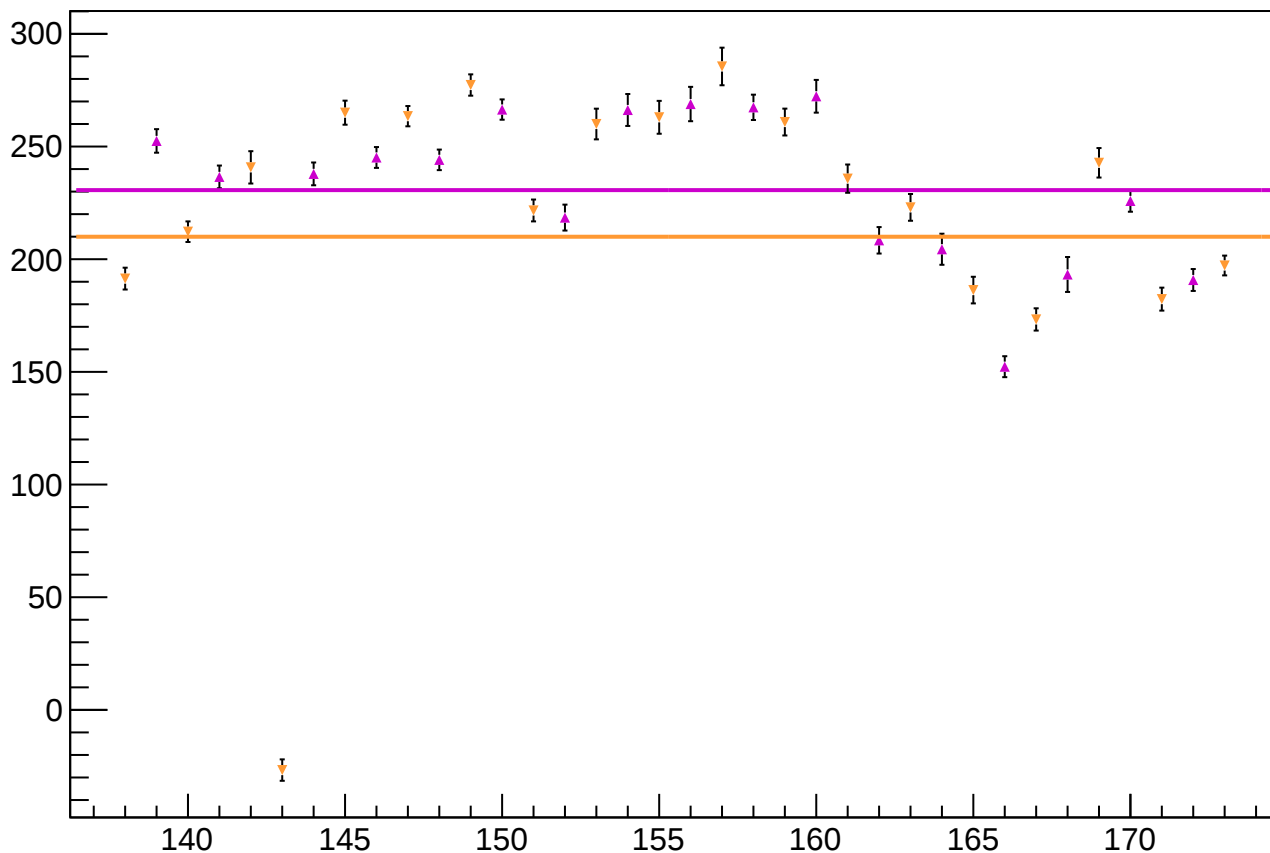
Left In: -157.332+/-0.057 χ^2/NDF : 91762.4/16

+ sign -137.970+/-0.045 χ^2/NDF : 674274.8/35

All: -137.857+/-0.032 χ^2/NDF : 1399524.2/71

- sign -137.743+/-0.045 χ^2/NDF : 725236.6/35

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 209.974+/-1.244 χ^2/NDF :3385.5/18

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

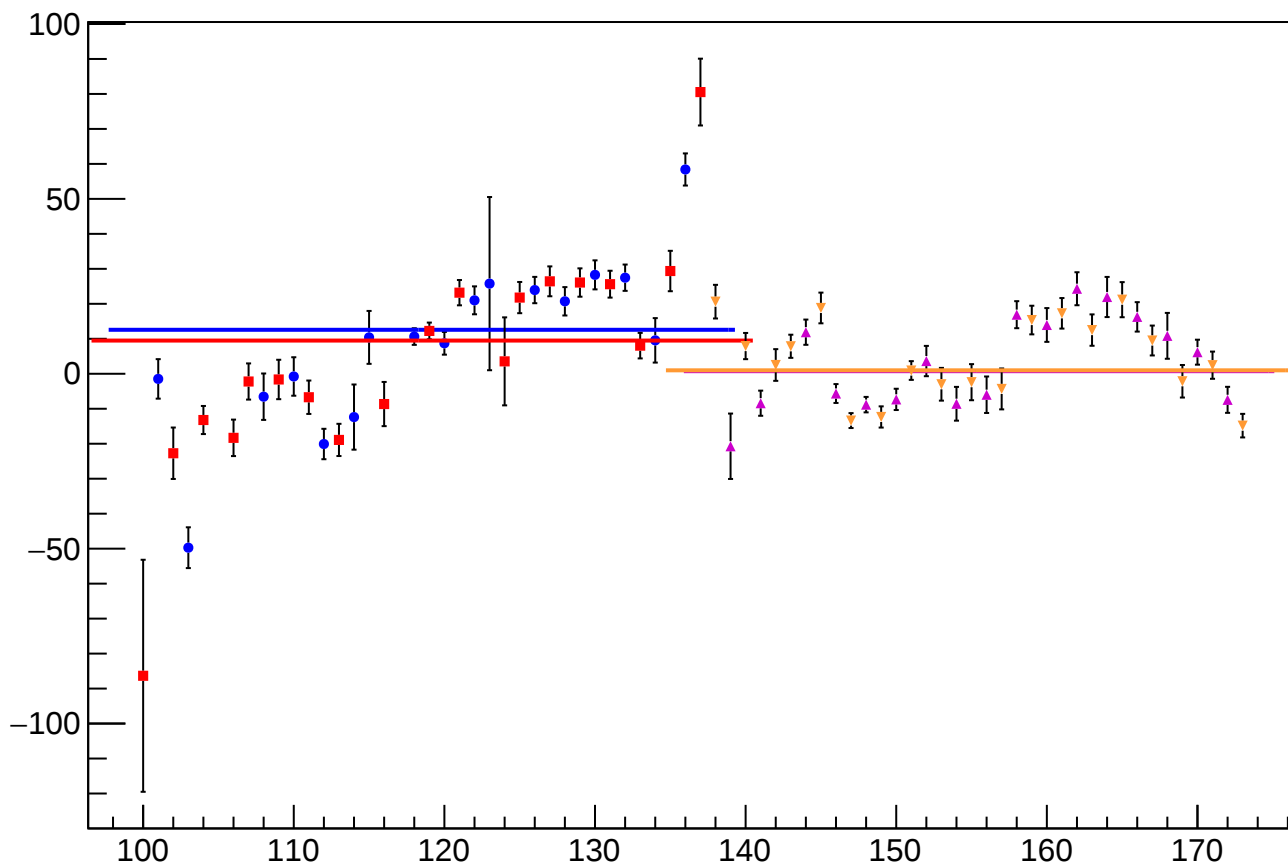
Left In: 230.661+/-1.318 χ^2/NDF :637.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 219.726+/-0.905 χ^2/NDF : 4152.9/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 ± 1.074 χ^2/NDF : 348.0/16

Left Out: 0.984 ± 0.862 χ^2/NDF : 183.4/18

Right Out: 9.493 ± 1.047 χ^2/NDF : 295.8/18

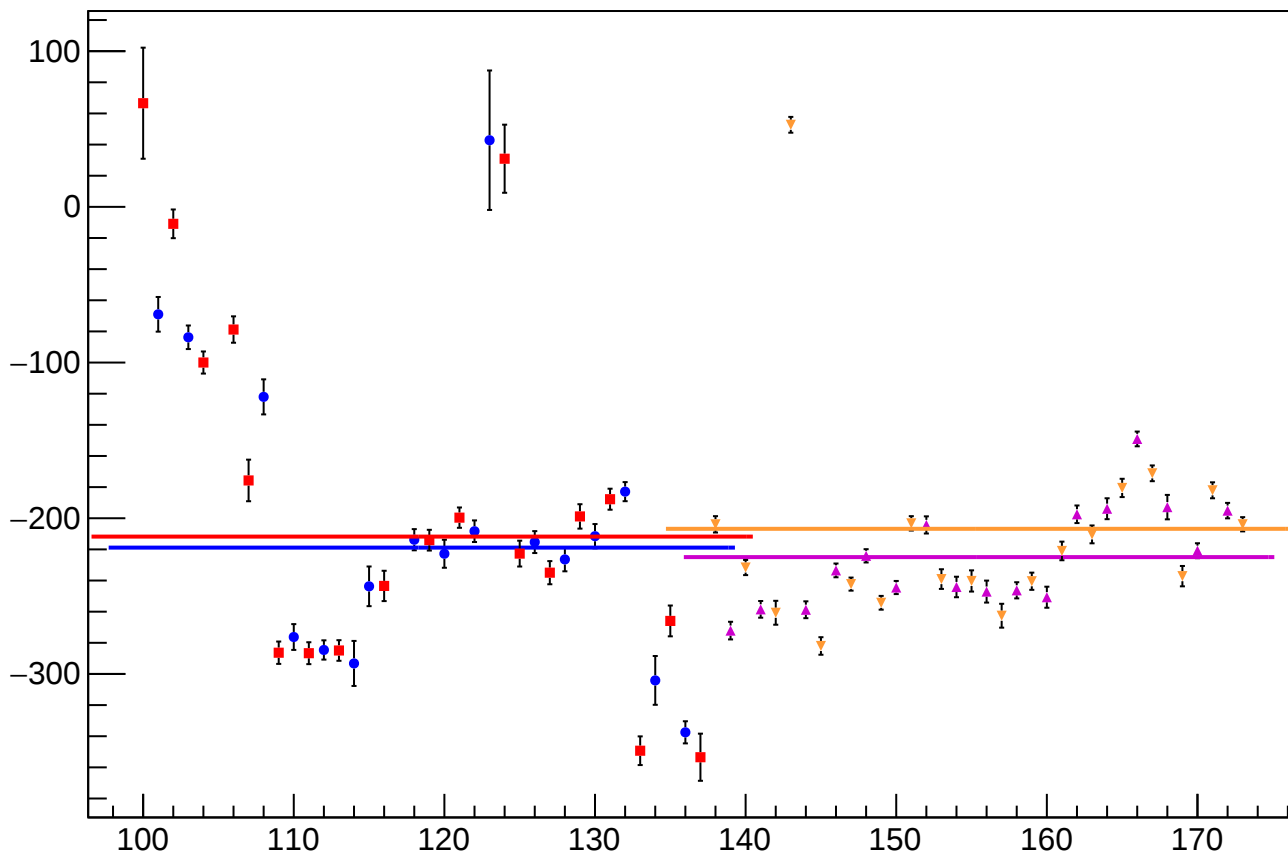
Left In: 0.738 ± 0.927 χ^2/NDF : 145.3/16

+ sign 5.528 ± 0.672 χ^2/NDF : 602.2/35

All: 5.070 ± 0.483 χ^2/NDF : 1083.5/71

- sign 4.582 ± 0.694 χ^2/NDF : 480.3/35

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -206.782 ± 1.238 $\chi^2/\text{NDF}: 3316.7/18$

Right Out: -211.780 ± 1.924 $\chi^2/\text{NDF}: 1885.2/18$

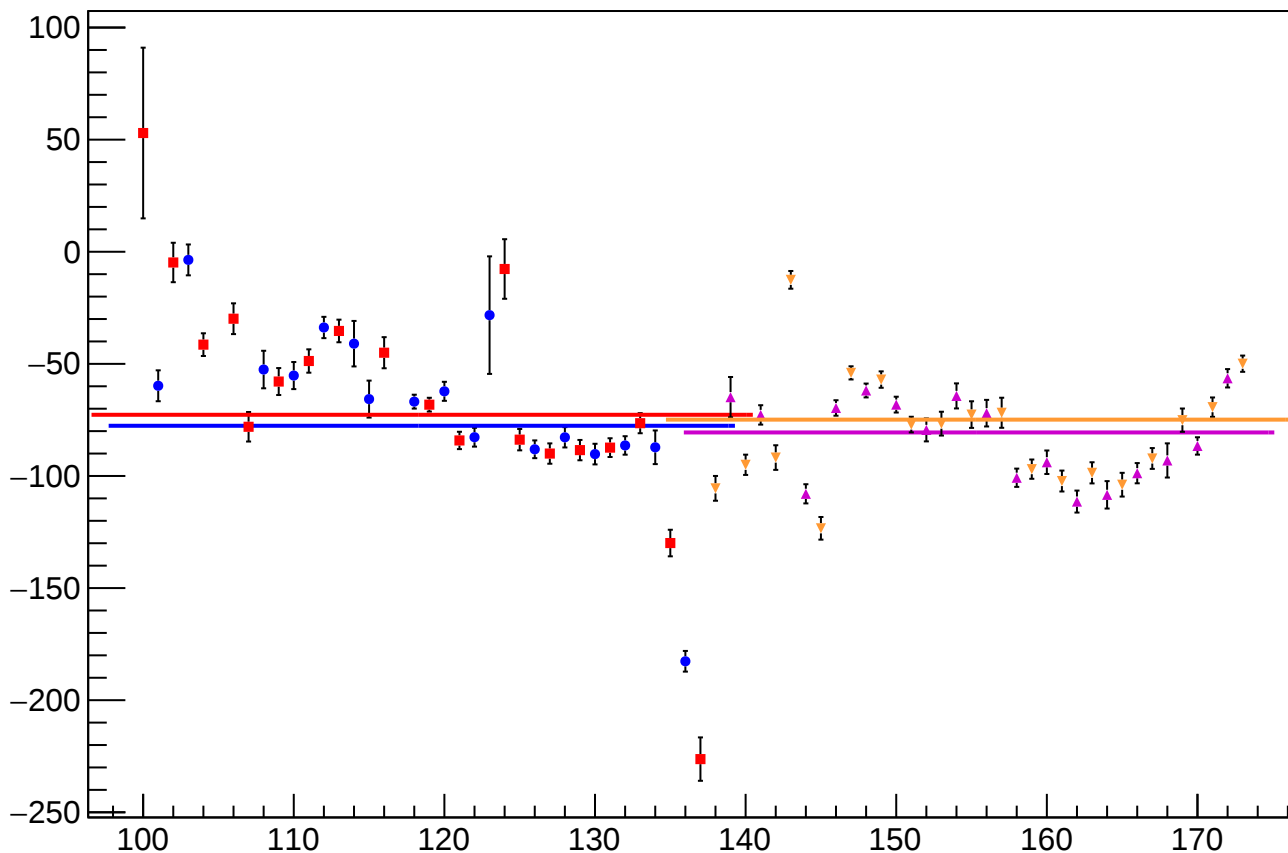
Left In: -224.952 ± 1.296 $\chi^2/\text{NDF}: 592.3/16$

+ sign -210.073 ± 1.056 $\chi^2/\text{NDF}: 4489.2/35$

All: -215.363 ± 0.753 $\chi^2/\text{NDF}: 7050.0/71$

- sign -220.842 ± 1.075 $\chi^2/\text{NDF}: 2509.7/35$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -74.874 ± 1.015 χ^2/NDF : 655.4/18

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

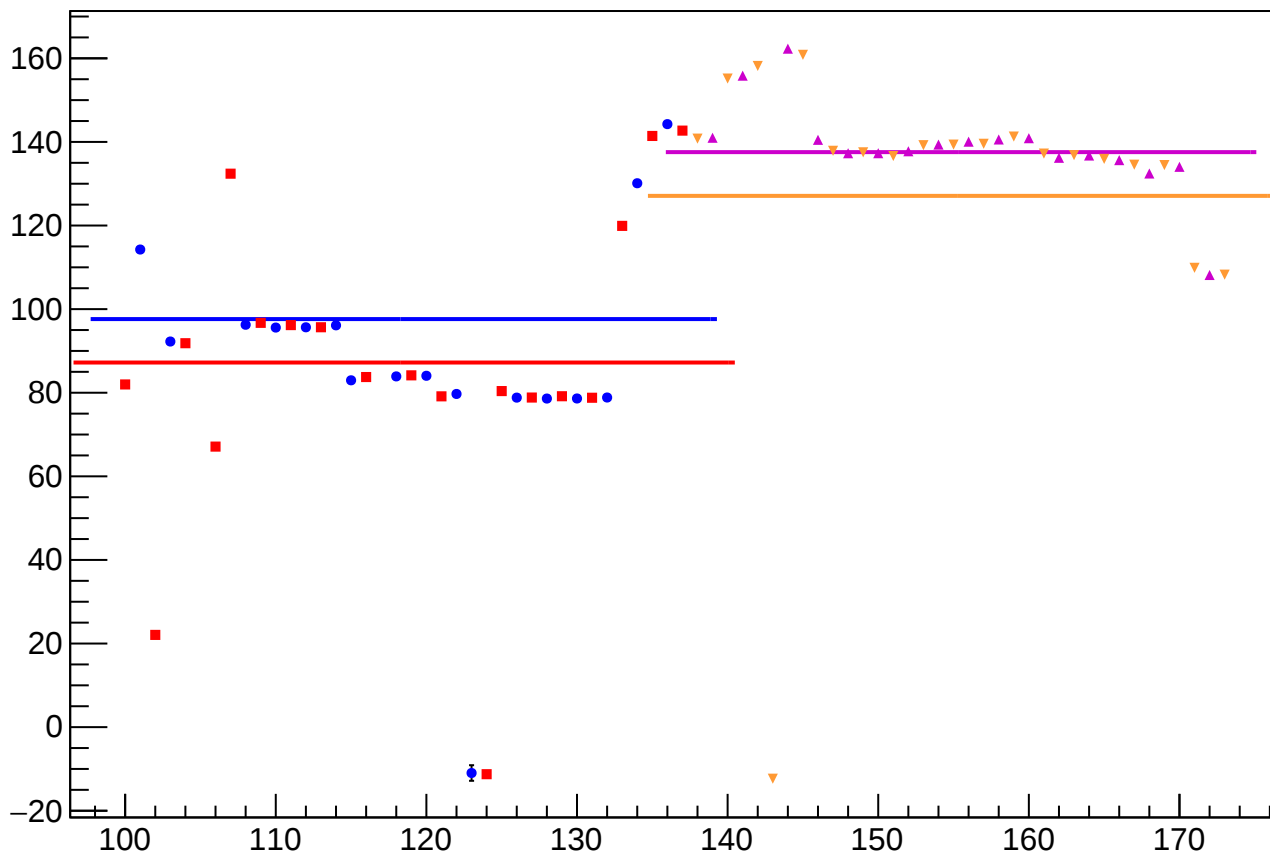
Left In: -80.590 ± 1.087 χ^2/NDF : 264.4/16

+ sign -75.976 ± 0.785 χ^2/NDF : 1474.2/35

All: -76.501 ± 0.563 χ^2/NDF : 2434.4/71

- sign -77.057 ± 0.808 χ^2/NDF : 959.4/35

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 127.096 $\pm$ 0.049 χ^2 /NDF: 576987.2/18

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

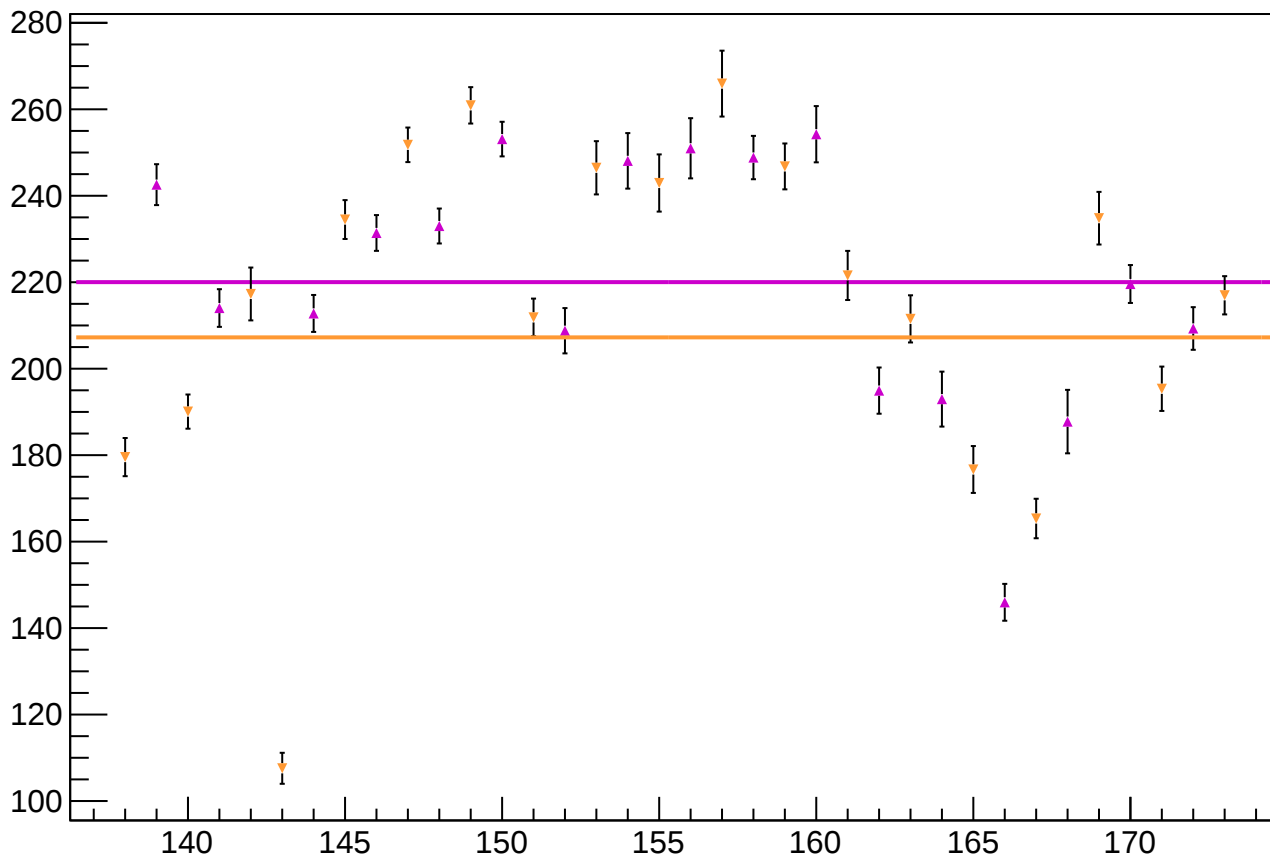
Left In: 137.559 $\pm$ 0.051 χ^2 /NDF: 47874.5/16

+ sign 118.108 $\pm$ 0.041 χ^2 /NDF: 782180.6/35

All: 118.794 $\pm$ 0.029 χ^2 /NDF: 1399891.3/71

- sign 119.488 $\pm$ 0.041 χ^2 /NDF: 617139.3/35

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



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

Left Out: 207.243+/-1.114 χ^2/NDF :1496.7/18

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

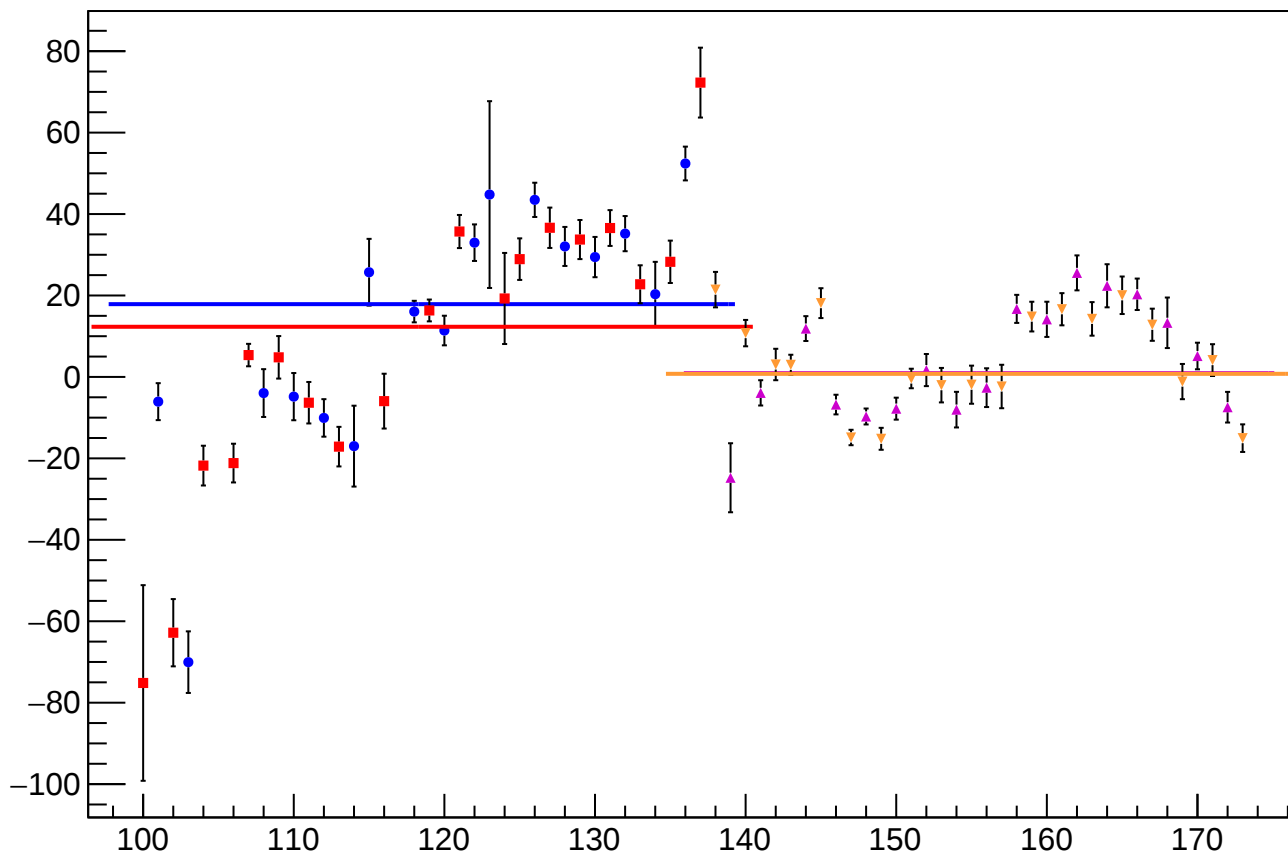
Left In: 220.023+/-1.191 χ^2/NDF :583.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 213.209+/-0.814 χ^2/NDF : 2142.1/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 $\pm$ 1.166 χ^2 /NDF: 395.3/16

Left Out: 0.763 $\pm$ 0.768 χ^2 /NDF: 251.4/18

Right Out: 12.317 $\pm$ 1.083 χ^2 /NDF: 444.0/18

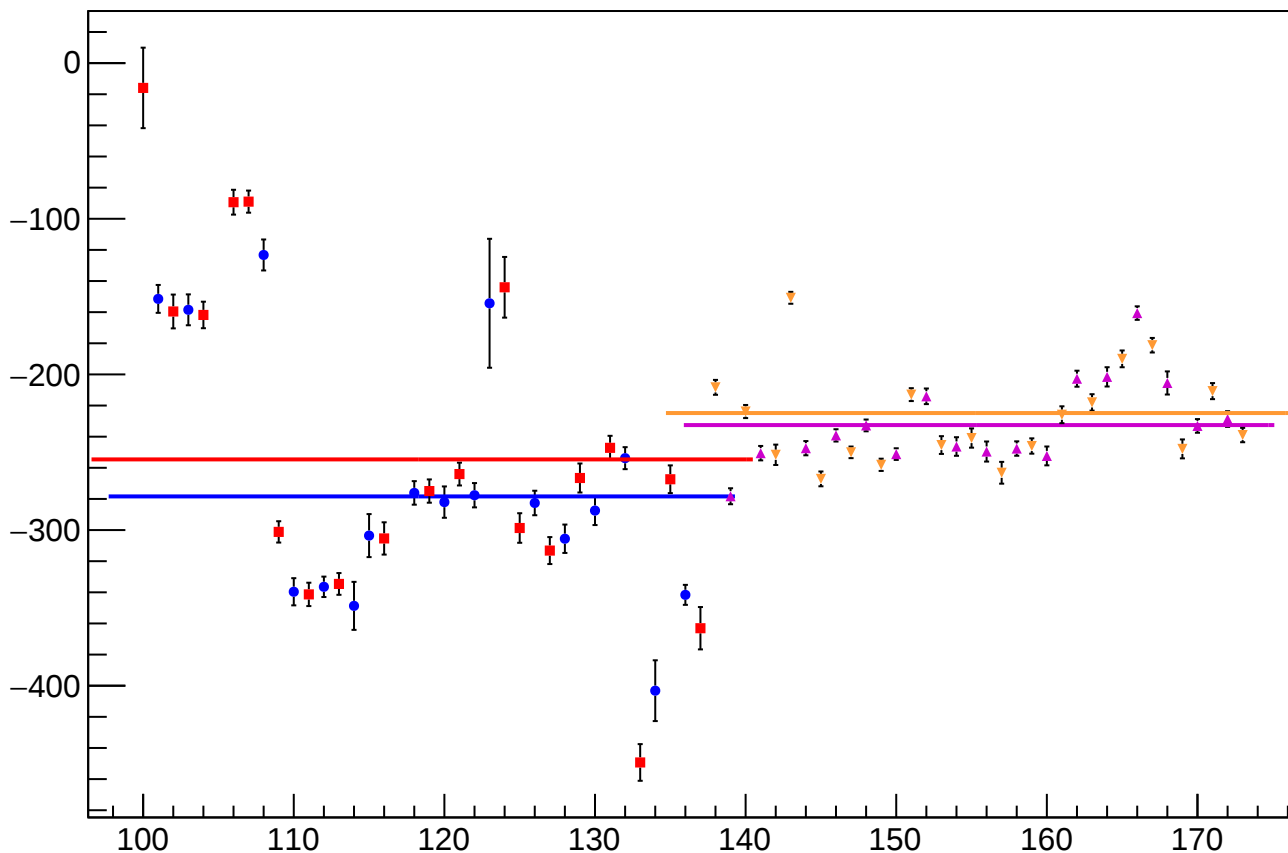
Left In: 0.931 $\pm$ 0.833 χ^2 /NDF: 194.9/16

+ sign 5.941 $\pm$ 0.641 χ^2 /NDF: 796.9/35

All: 5.563 $\pm$ 0.460 χ^2 /NDF: 1506.1/71

- sign 5.162 $\pm$ 0.660 χ^2 /NDF: 708.4/35

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -224.814 ± 1.110 χ^2/NDF : 837.2/18

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

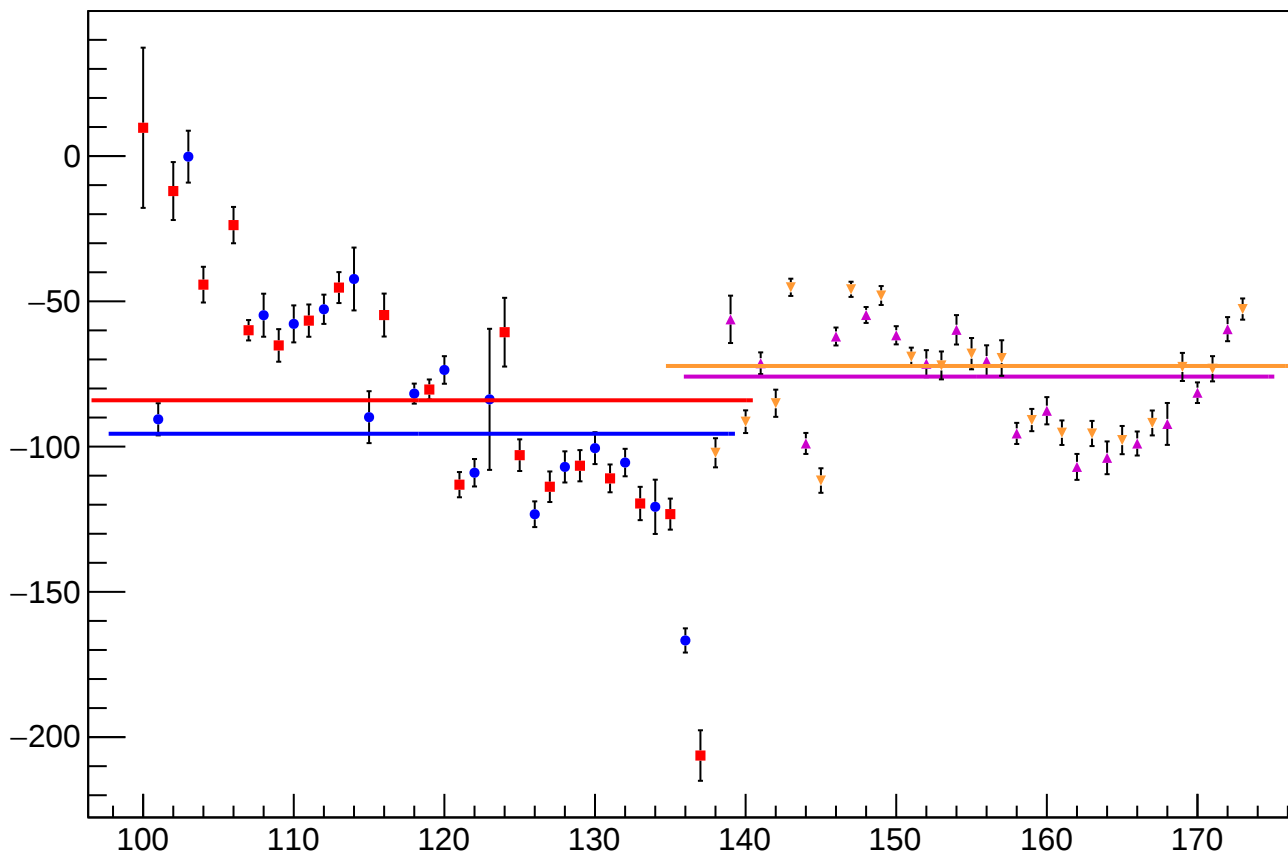
Left In: -232.546 ± 1.171 χ^2/NDF : 527.1/16

+ sign -235.811 ± 0.990 χ^2/NDF : 2225.4/35

All: -236.926 ± 0.708 χ^2/NDF : 4881.8/71

- sign -238.093 ± 1.013 χ^2/NDF : 2653.8/35

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -72.249 ± 0.908 χ^2/NDF : 556.3/18

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

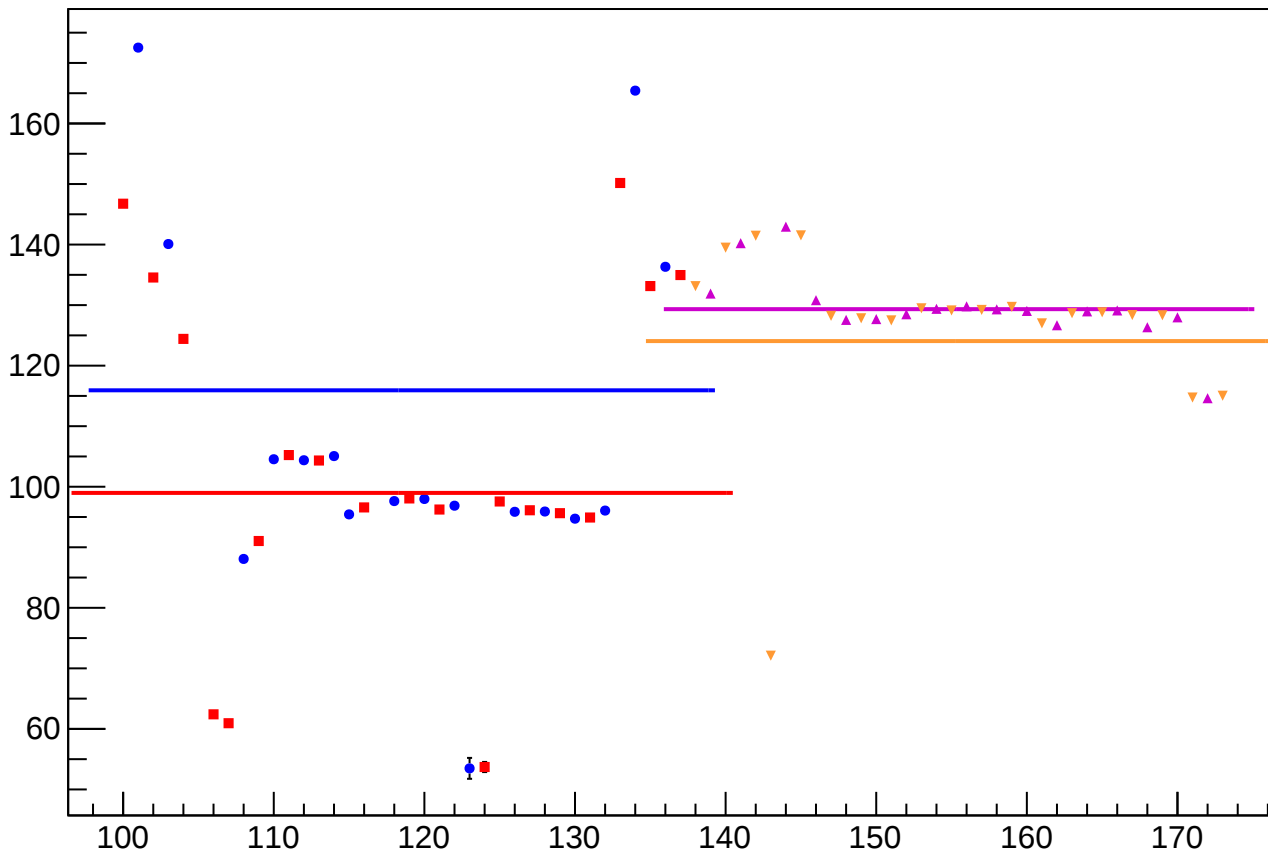
Left In: -75.906 ± 0.980 χ^2/NDF : 322.9/16

+ sign -79.582 ± 0.752 χ^2/NDF : 1435.2/35

All: -79.295 ± 0.539 χ^2/NDF : 2567.7/71

- sign -78.991 ± 0.773 χ^2/NDF : 1132.2/35

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 115.927 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 124.058 $\pm$ 0.044 χ^2 /NDF: 148836.2/18

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

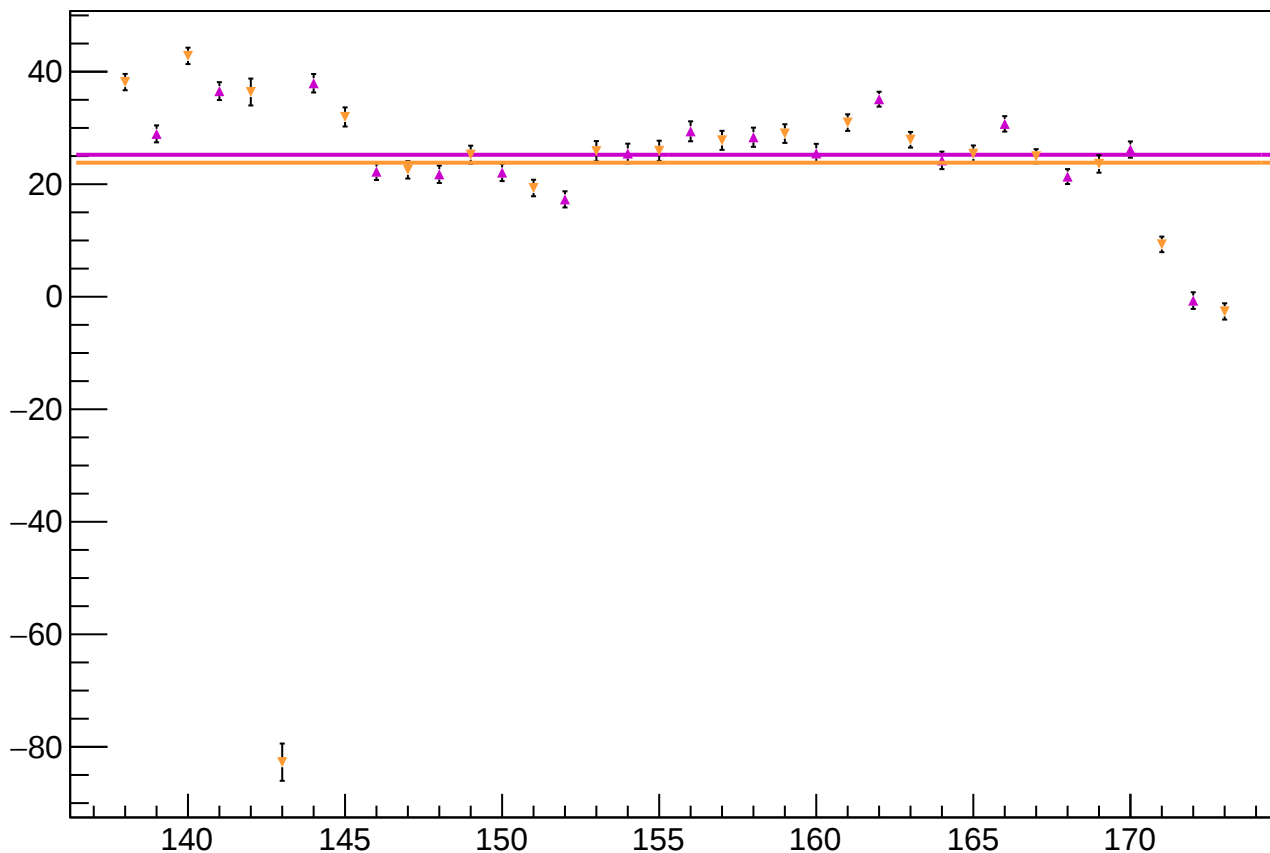
Left In: 129.331 $\pm$ 0.046 χ^2 /NDF: 15688.3/16

+ sign 122.111 $\pm$ 0.038 χ^2 /NDF: 262804.0/35

All: 120.964 $\pm$ 0.027 χ^2 /NDF: 587824.2/71

- sign 119.817 $\pm$ 0.038 χ^2 /NDF: 323233.2/35

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



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

Left Out: 23.825 $\pm$ 0.362 χ^2 /NDF:1860.1/18

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

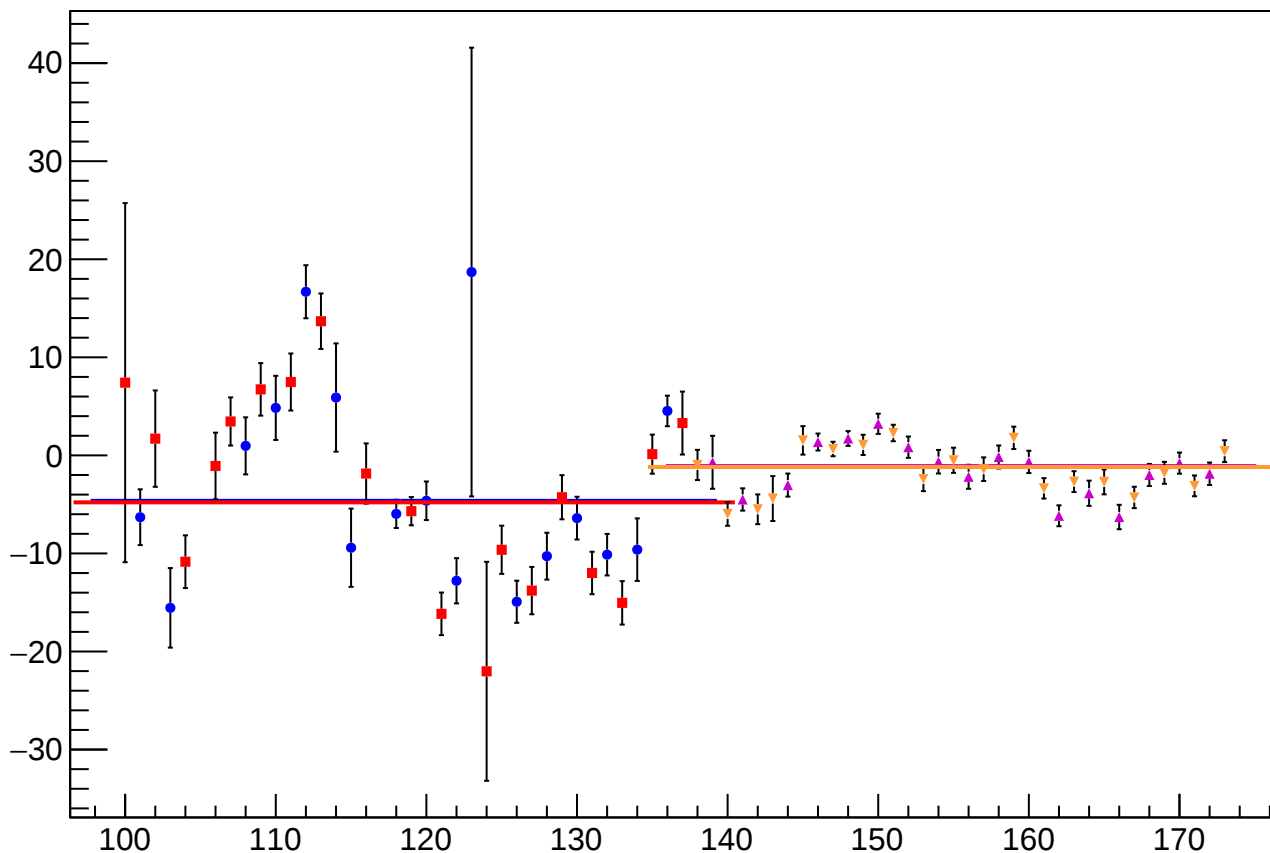
Left In: 25.233 $\pm$ 0.369 χ^2 /NDF:555.5/16

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

All: 24.515 $\pm$ 0.259 χ^2 /NDF: 2423.1/35

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

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -1.188 ± 0.259 χ^2/NDF : 87.0/18

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

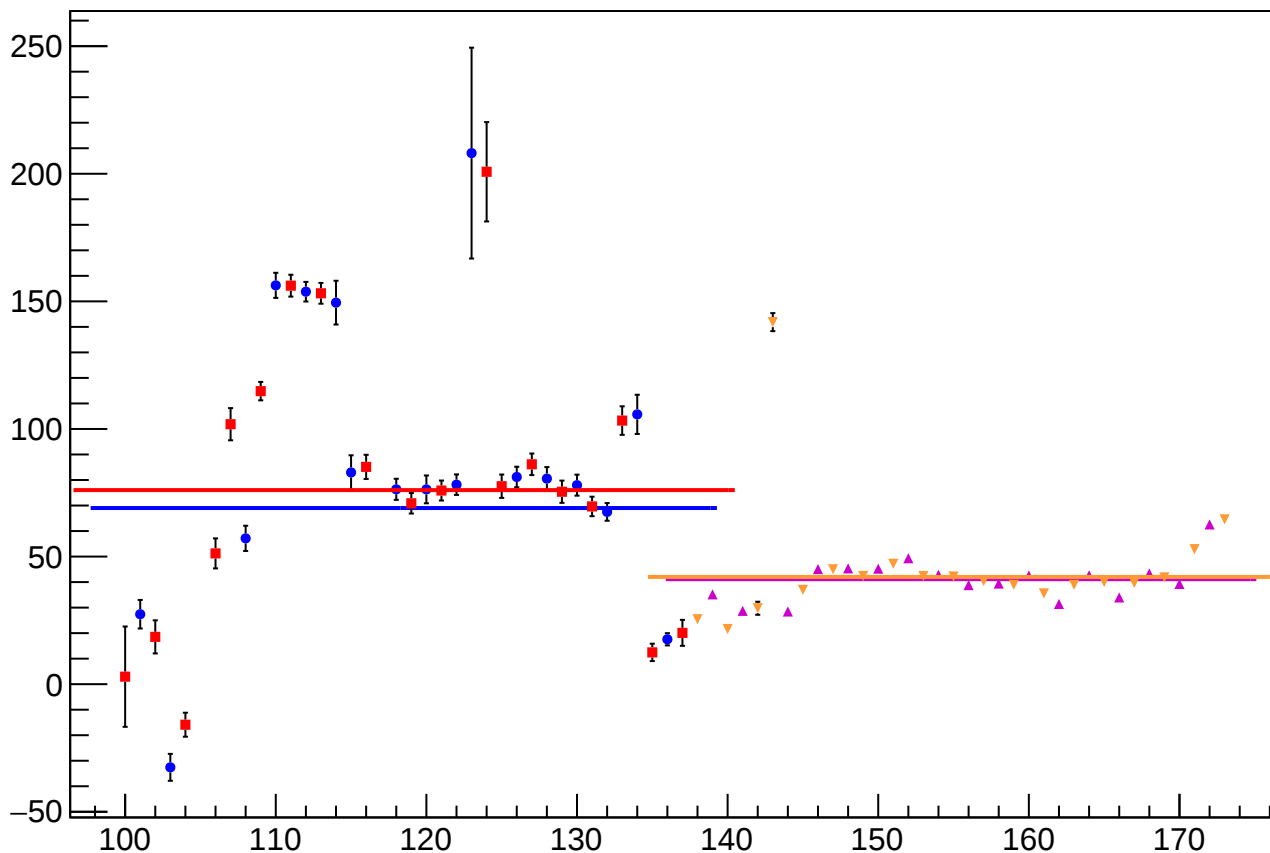
Left In: -1.093 ± 0.268 χ^2/NDF : 101.9/16

+ sign -1.749 ± 0.237 χ^2/NDF : 290.3/35

All: -1.743 ± 0.170 χ^2/NDF : 617.7/71

- sign -1.736 ± 0.244 χ^2/NDF : 327.4/35

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019 $\pm$ 1.083 χ^2 /NDF: 1848.0/16

Left Out: 42.030 $\pm$ 0.357 χ^2 /NDF:1452.0/18

Right Out: 76.041 $\pm$ 1.070 χ^2 /NDF: 1881.9/18

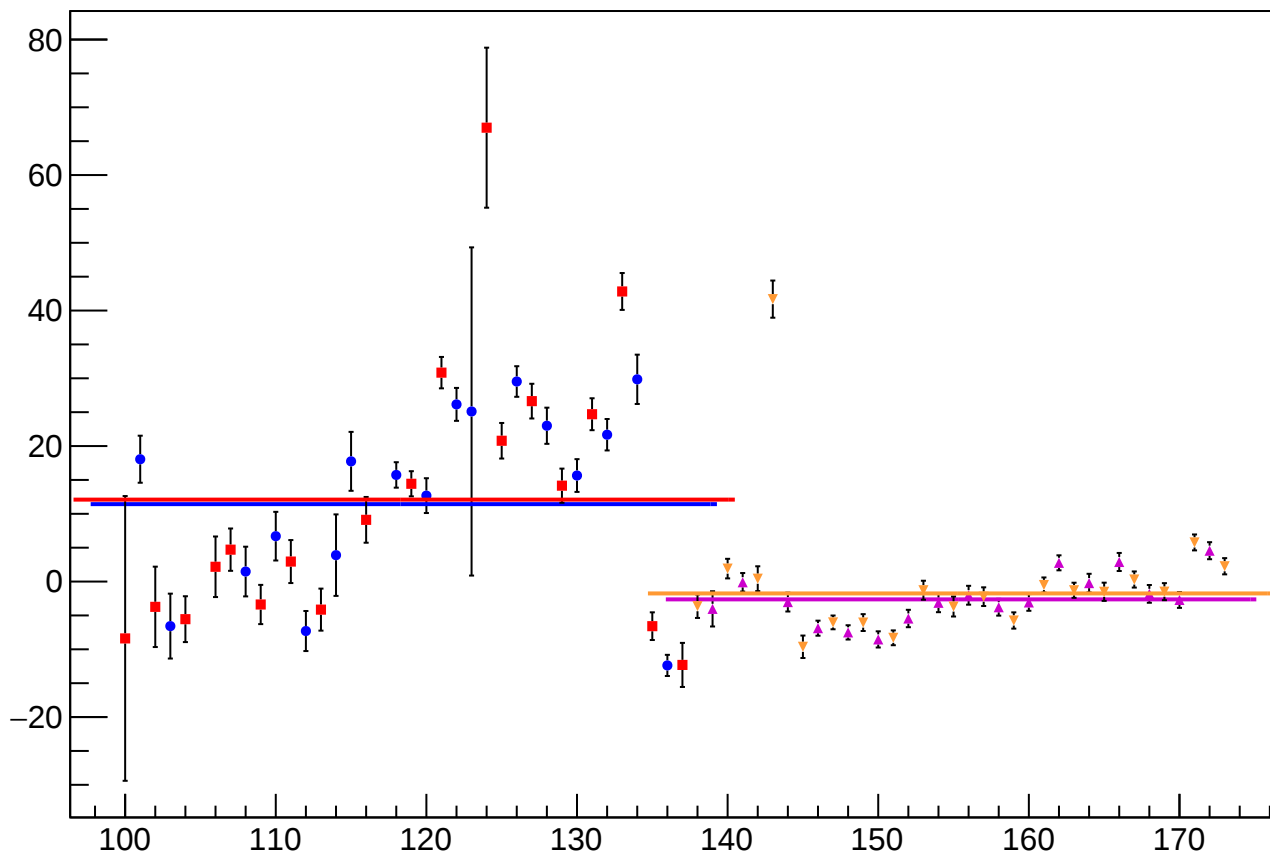
Left In: 41.145 $\pm$ 0.362 χ^2 /NDF:474.3/16

+ sign 44.680 $\pm$ 0.339 χ^2 /NDF: 3859.7/35

All: 44.707 $\pm$ 0.241 χ^2 /NDF: 7170.3/71

- sign 44.736 $\pm$ 0.343 χ^2 /NDF: 3310.6/35

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 ± 0.665 χ^2/NDF : 476.8/16

Left Out: -1.752 ± 0.299 χ^2/NDF : 417.6/18

Right Out: 12.095 ± 0.664 χ^2/NDF : 539.1/18

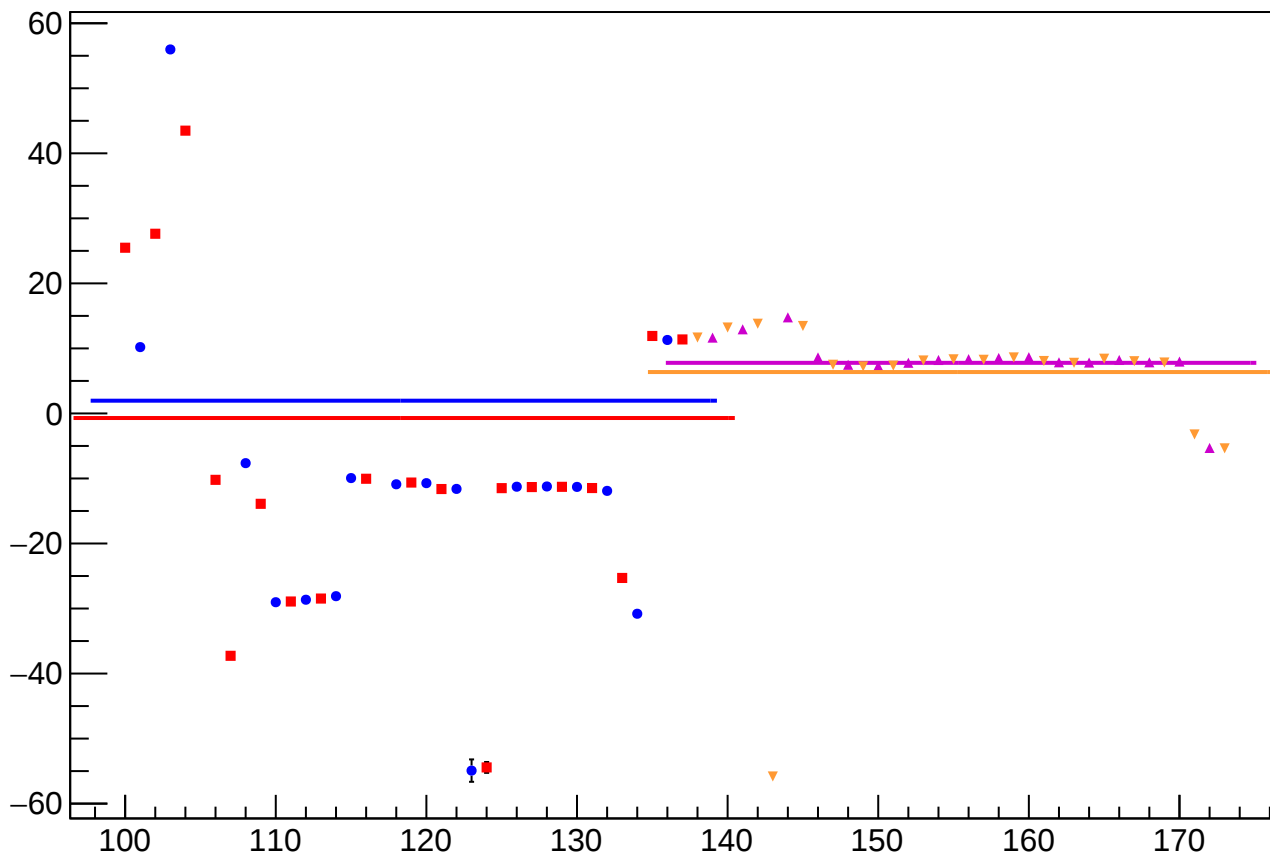
Left In: -2.630 ± 0.310 χ^2/NDF : 147.4/16

+ sign 0.464 ± 0.273 χ^2/NDF : 1220.7/35

All: 0.239 ± 0.196 χ^2/NDF : 2312.6/71

- sign 0.002 ± 0.281 χ^2/NDF : 1090.5/35

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 ± 0.037 χ^2/NDF : 358457.0/16

Left Out: 6.366 ± 0.014 χ^2/NDF : 320867.0/18

Right Out: -0.704 ± 0.037 χ^2/NDF : 361168.6/18

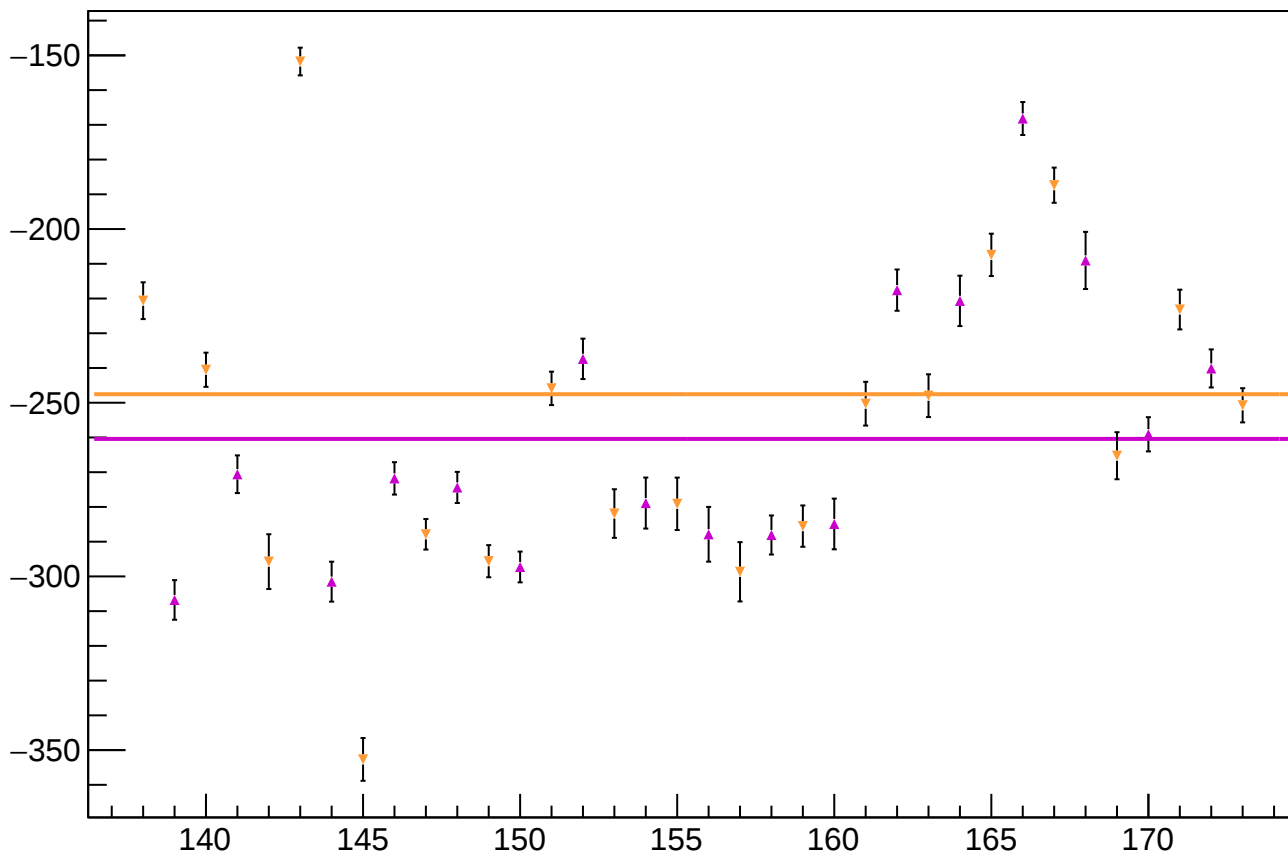
Left In: 7.781 ± 0.014 χ^2/NDF : 79137.8/16

+ sign 5.829 ± 0.013 χ^2/NDF : 691676.3/35

All: 6.264 ± 0.009 χ^2/NDF : 1179931.5/71

- sign 6.712 ± 0.013 χ^2/NDF : 485970.8/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



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

Left Out: -247.546+/-1.275 χ^2/NDF : 1453.9/18

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

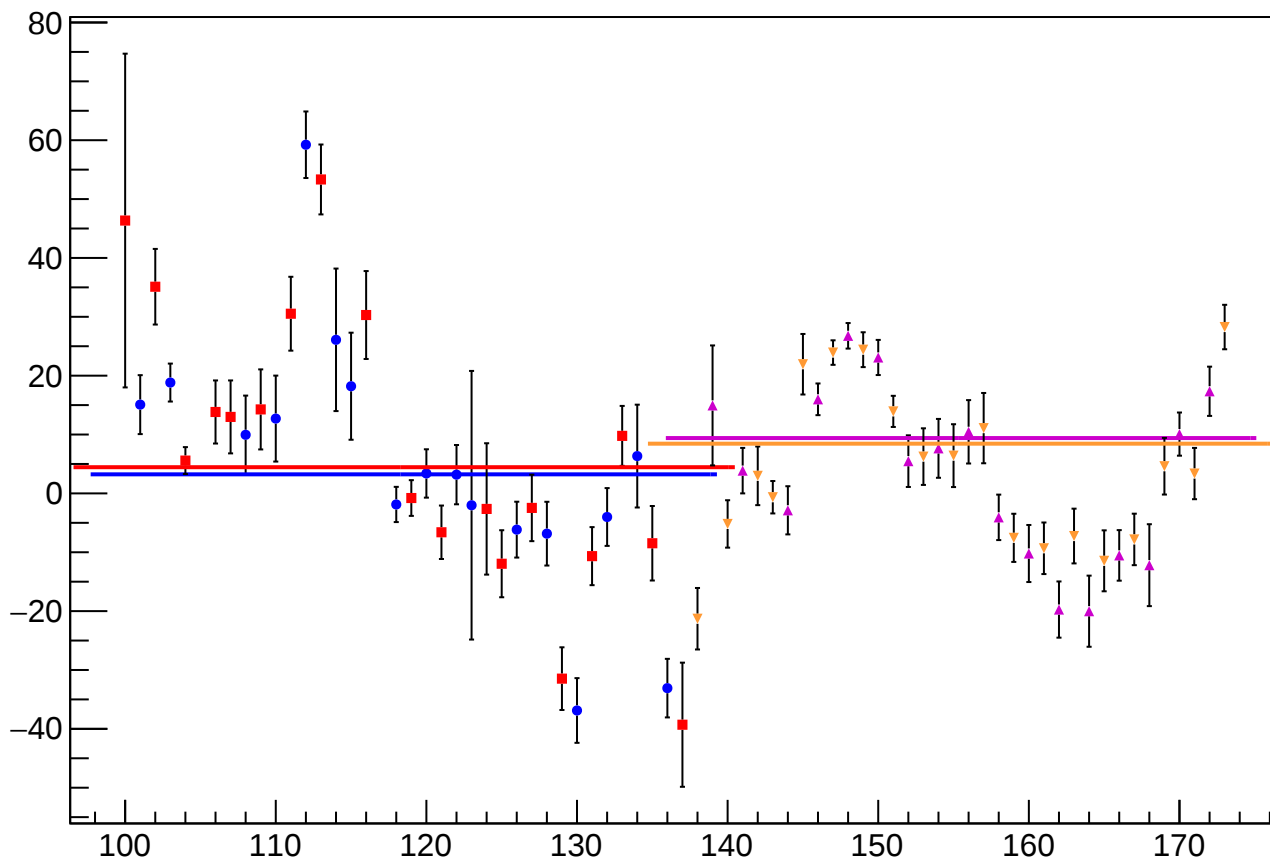
Left In: -260.413+/-1.364 χ^2/NDF : 788.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -253.546+/-0.931 χ^2/NDF : 2289.7/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 8.446 ± 0.872 χ^2/NDF : 253.4/18

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

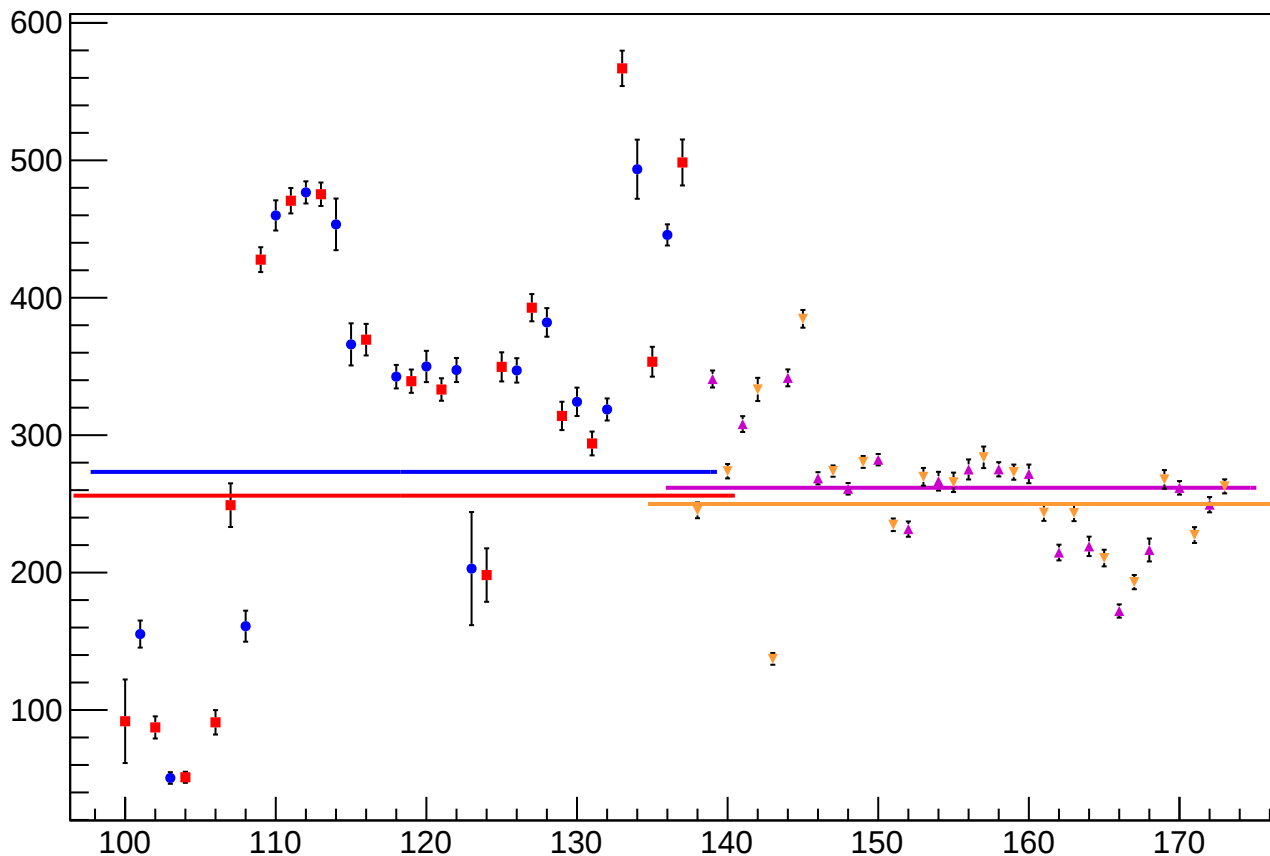
Left In: 9.400 ± 0.948 χ^2/NDF : 227.7/16

+ sign 6.730 ± 0.714 χ^2/NDF : 520.4/35

All: 7.062 ± 0.512 χ^2/NDF : 985.2/71

- sign 7.412 ± 0.733 χ^2/NDF : 464.4/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 249.918 $\pm$ 1.266 χ^2 /NDF:1594.1/18

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

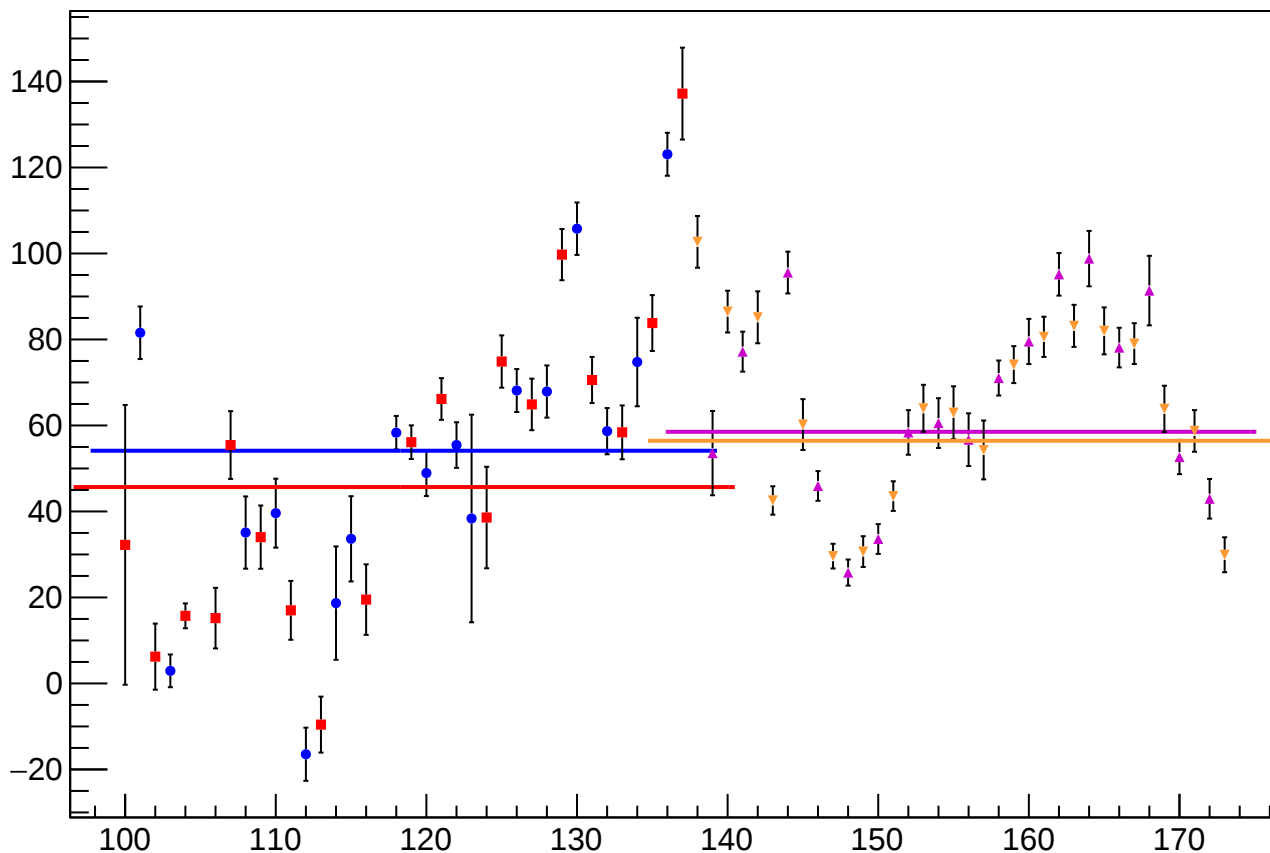
Left In: 261.717 $\pm$ 1.336 χ^2 /NDF:949.6/16

+ sign 255.710 $\pm$ 1.098 χ^2 /NDF: 6780.1/35

All: 257.825 $\pm$ 0.785 χ^2 /NDF: 14181.1/71

- sign 260.043 $\pm$ 1.124 χ^2 /NDF: 7393.5/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119 $\pm$ 1.438 χ^2/NDF : 633.9/16

Left Out: 56.433 $\pm$ 1.031 χ^2/NDF : 457.1/18

Right Out: 45.675 $\pm$ 1.357 χ^2/NDF : 531.0/18

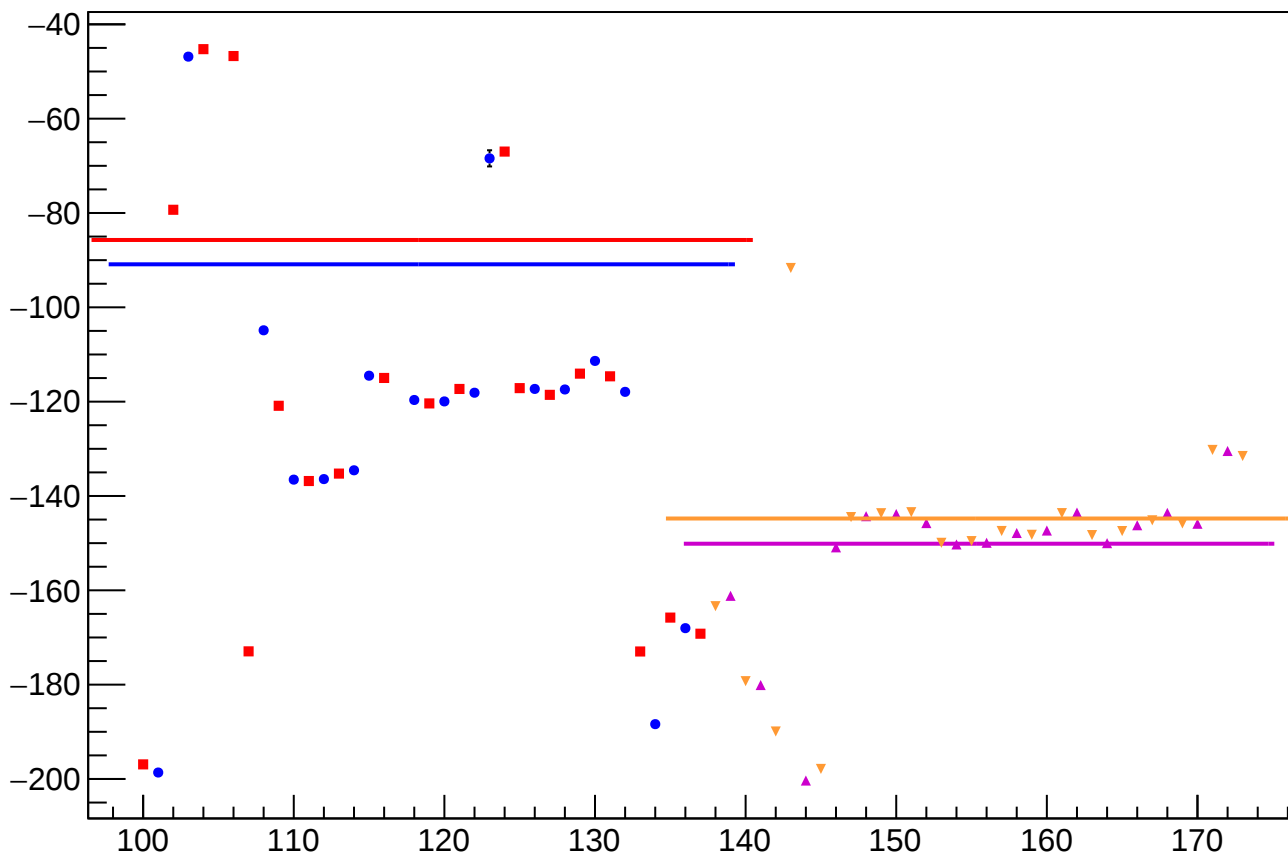
Left In: 58.524 $\pm$ 1.116 χ^2/NDF : 423.3/16

+ sign 55.647 $\pm$ 0.838 χ^2/NDF : 1092.8/35

All: 54.525 $\pm$ 0.601 χ^2/NDF : 2104.3/71

- sign 53.338 $\pm$ 0.862 χ^2/NDF : 1007.8/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881 ± 0.068 χ^2/NDF : 533423.8/16

Left Out: -144.777 ± 0.050 χ^2/NDF : 198923.0/18

Right Out: -85.722 ± 0.065 χ^2/NDF : 494183.1/18

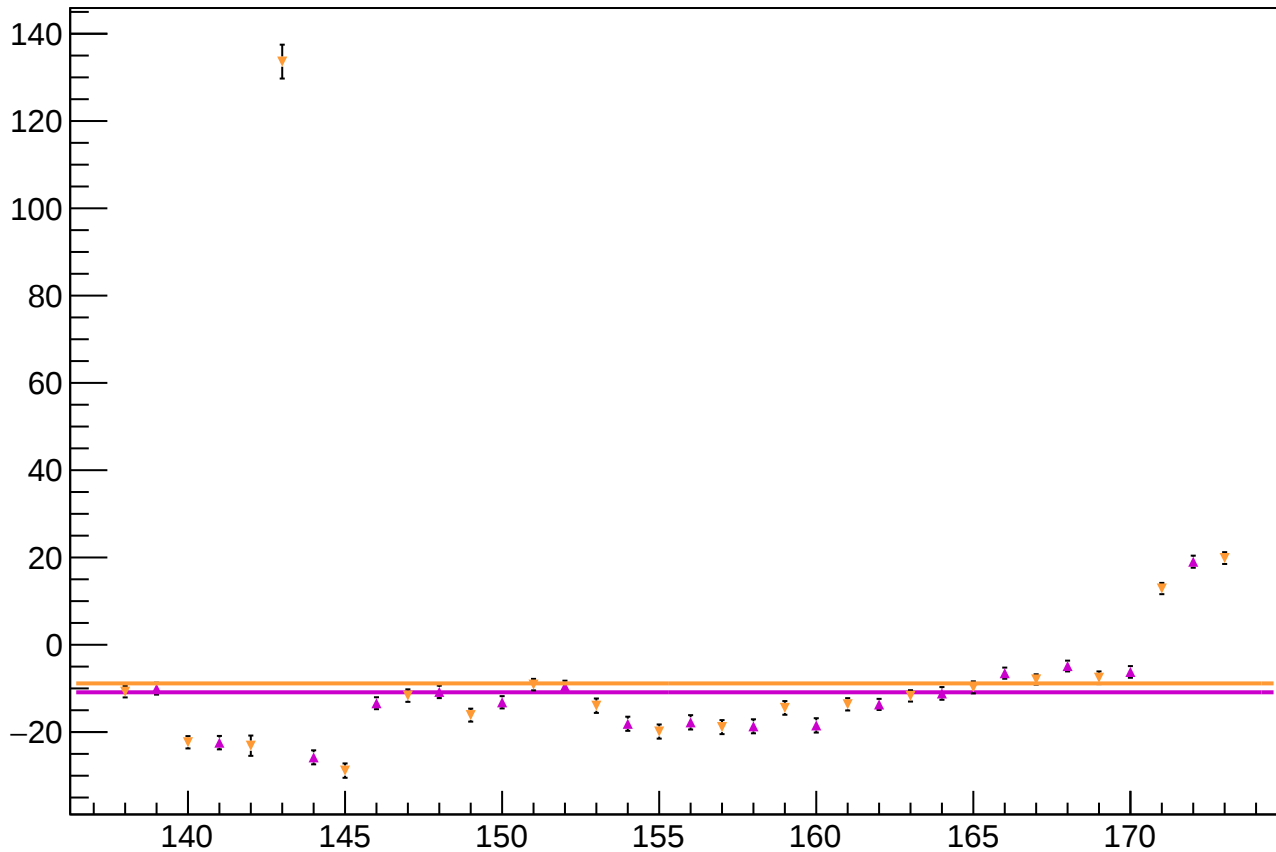
Left In: -150.121 ± 0.053 χ^2/NDF : 68757.1/16

+ sign -125.689 ± 0.040 χ^2/NDF : 1141016.4/35

All: -125.120 ± 0.029 χ^2/NDF : 2294706.1/71

- sign -124.530 ± 0.041 χ^2/NDF : 1153283.7/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



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

Left Out: -8.852+/-0.339 χ^2/NDF : 2512.4/18

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

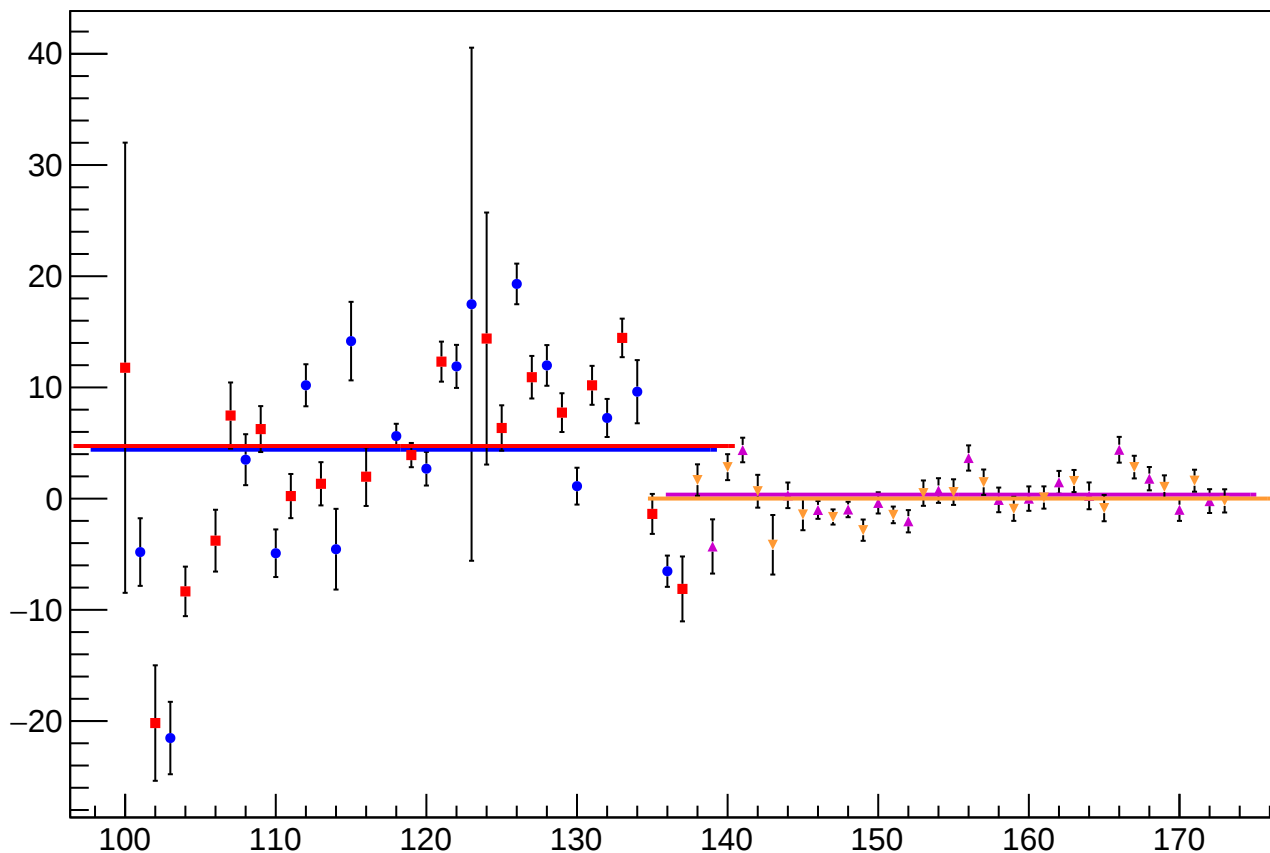
Left In: -10.888+/-0.345 χ^2/NDF : 750.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -9.852+/-0.242 χ^2/NDF : 3280.2/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: 0.006 ± 0.242 χ^2/NDF : 46.7/18

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

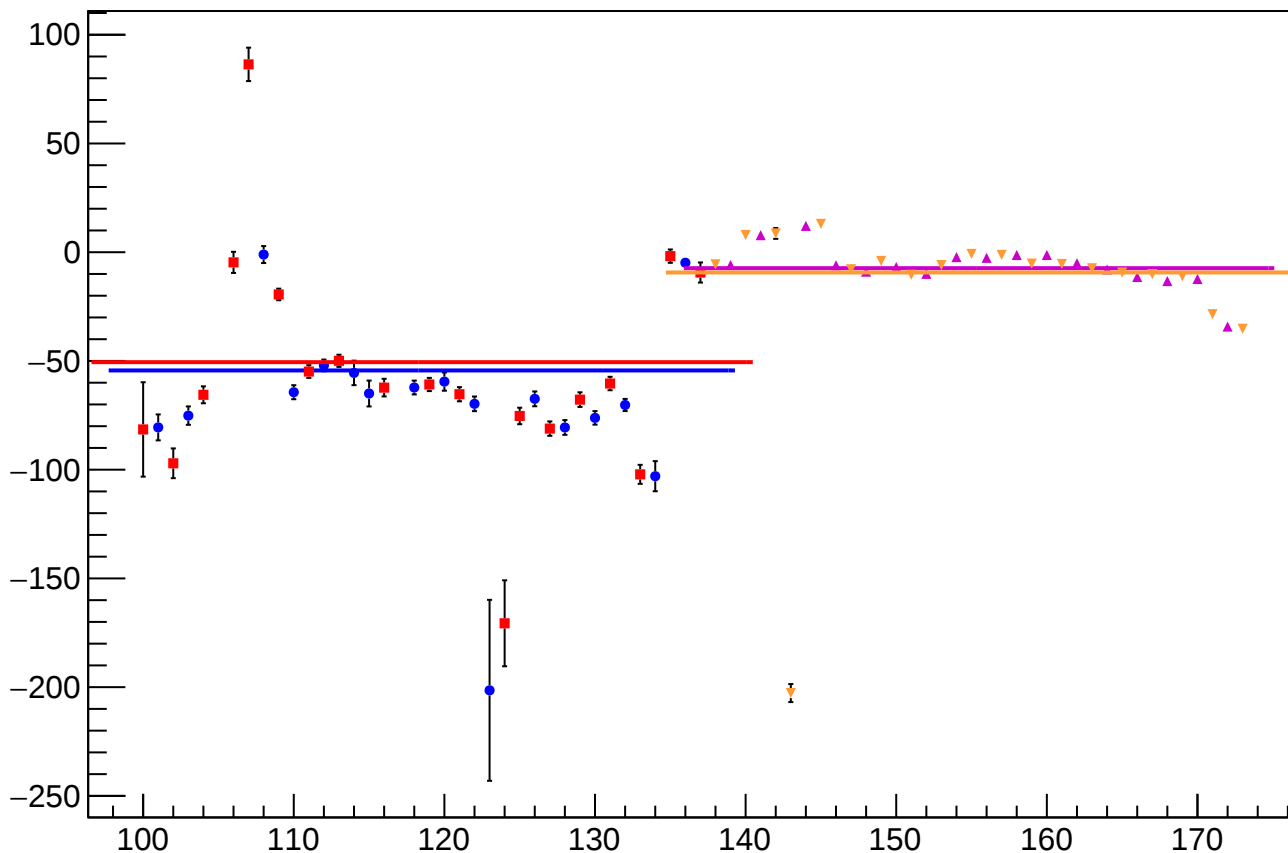
Left In: 0.357 ± 0.251 χ^2/NDF : 56.0/16

+ sign 0.924 ± 0.215 χ^2/NDF : 402.3/35

All: 1.116 ± 0.154 χ^2/NDF : 709.5/71

- sign 1.318 ± 0.222 χ^2/NDF : 305.6/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365 +/- 0.868 χ^2/NDF : 1013.5/16

Left Out: -9.311 +/- 0.334 χ^2/NDF : 3197.1/18

Right Out: -50.554 +/- 0.858 χ^2/NDF : 1321.3/18

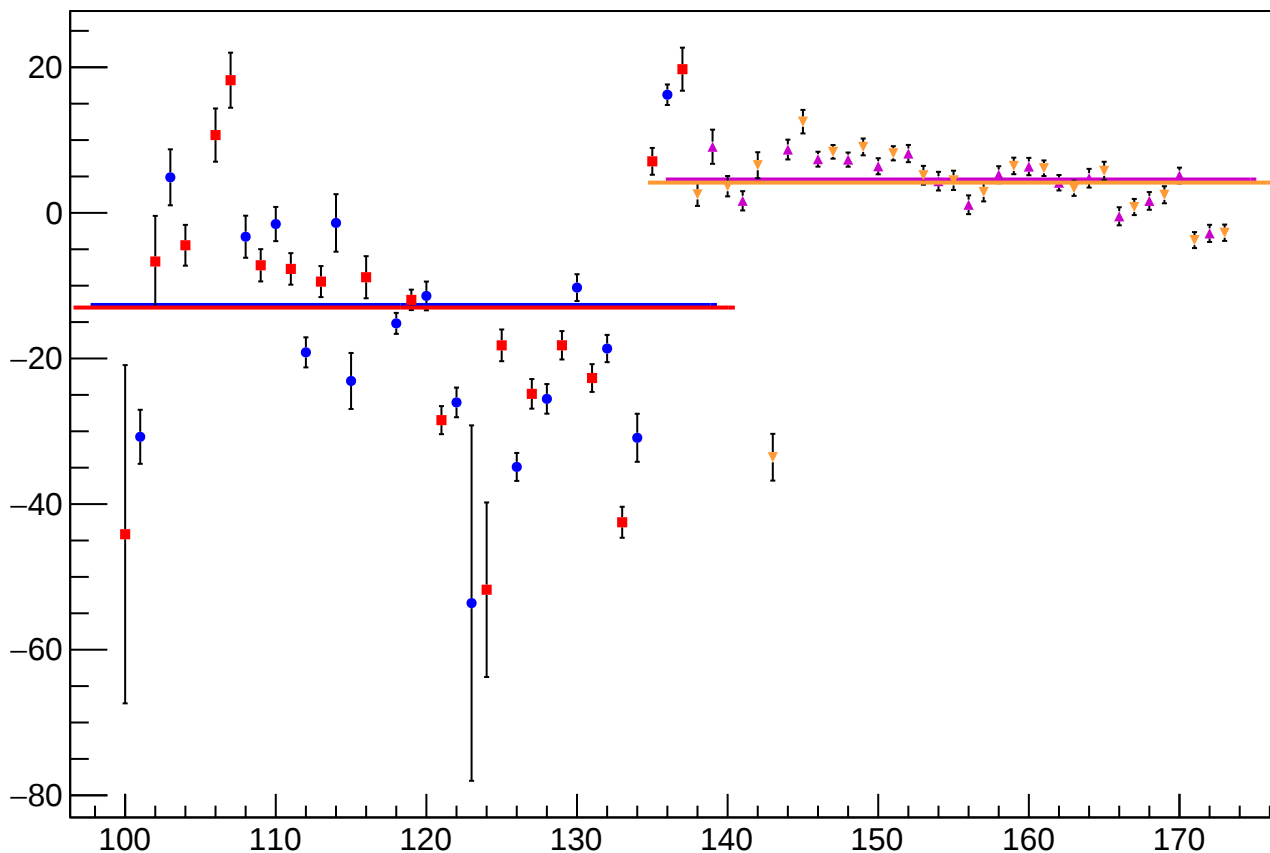
Left In: -7.339 +/- 0.339 χ^2/NDF : 684.4/16

+ sign -15.128 +/- 0.312 χ^2/NDF : 6555.6/35

All: -14.159 +/- 0.222 χ^2/NDF : 10777.8/71

- sign -13.171 +/- 0.315 χ^2/NDF : 4202.6/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 4.160 ± 0.280 χ^2/NDF : 335.0/18

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

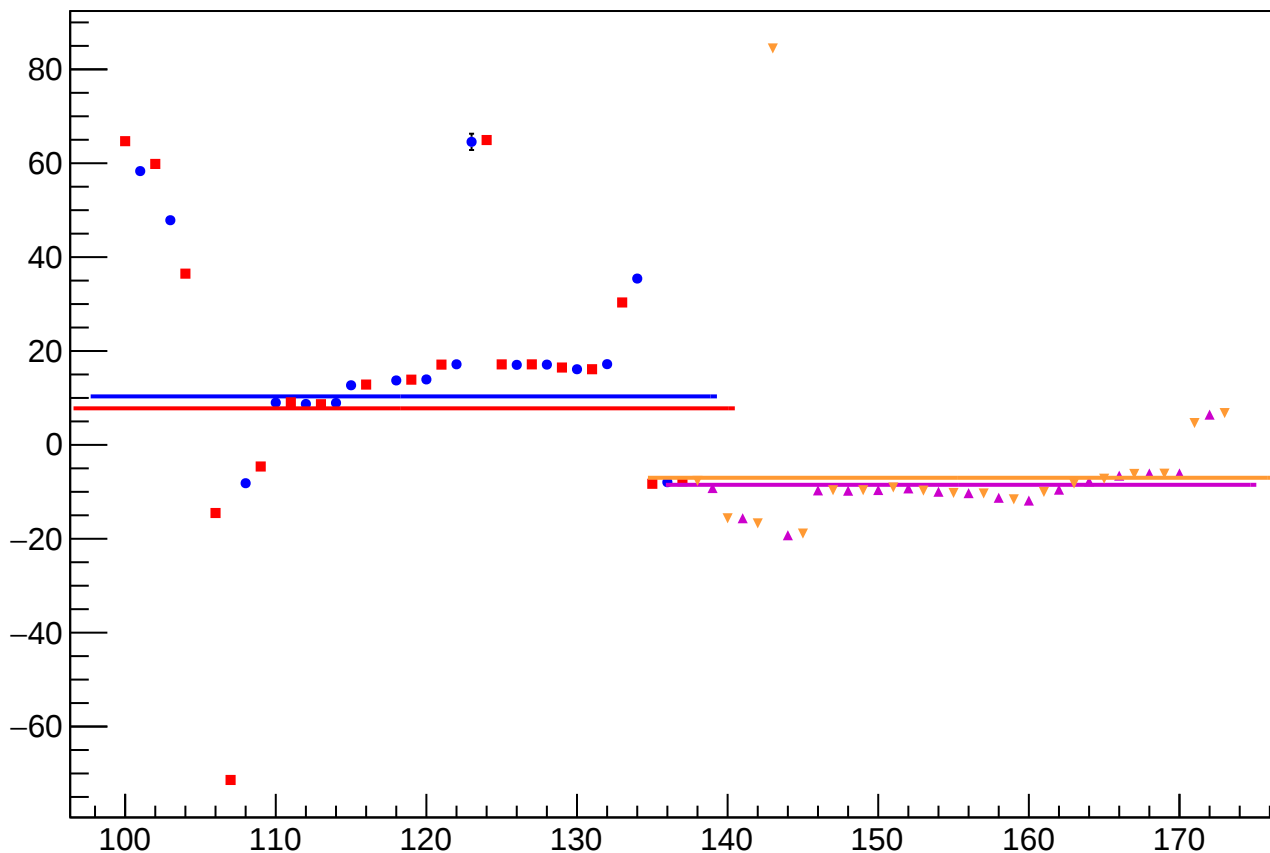
Left In: 4.586 ± 0.290 χ^2/NDF : 117.0/16

+ sign 0.562 ± 0.248 χ^2/NDF : 1895.5/35

All: 0.588 ± 0.178 χ^2/NDF : 3563.2/71

- sign 0.616 ± 0.255 χ^2/NDF : 1667.7/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330 ± 0.031 χ^2/NDF : 380857.1/16

Left Out: -7.006 ± 0.013 χ^2/NDF : 526999.1/18

Right Out: 7.786 ± 0.031 χ^2/NDF : 544119.7/18

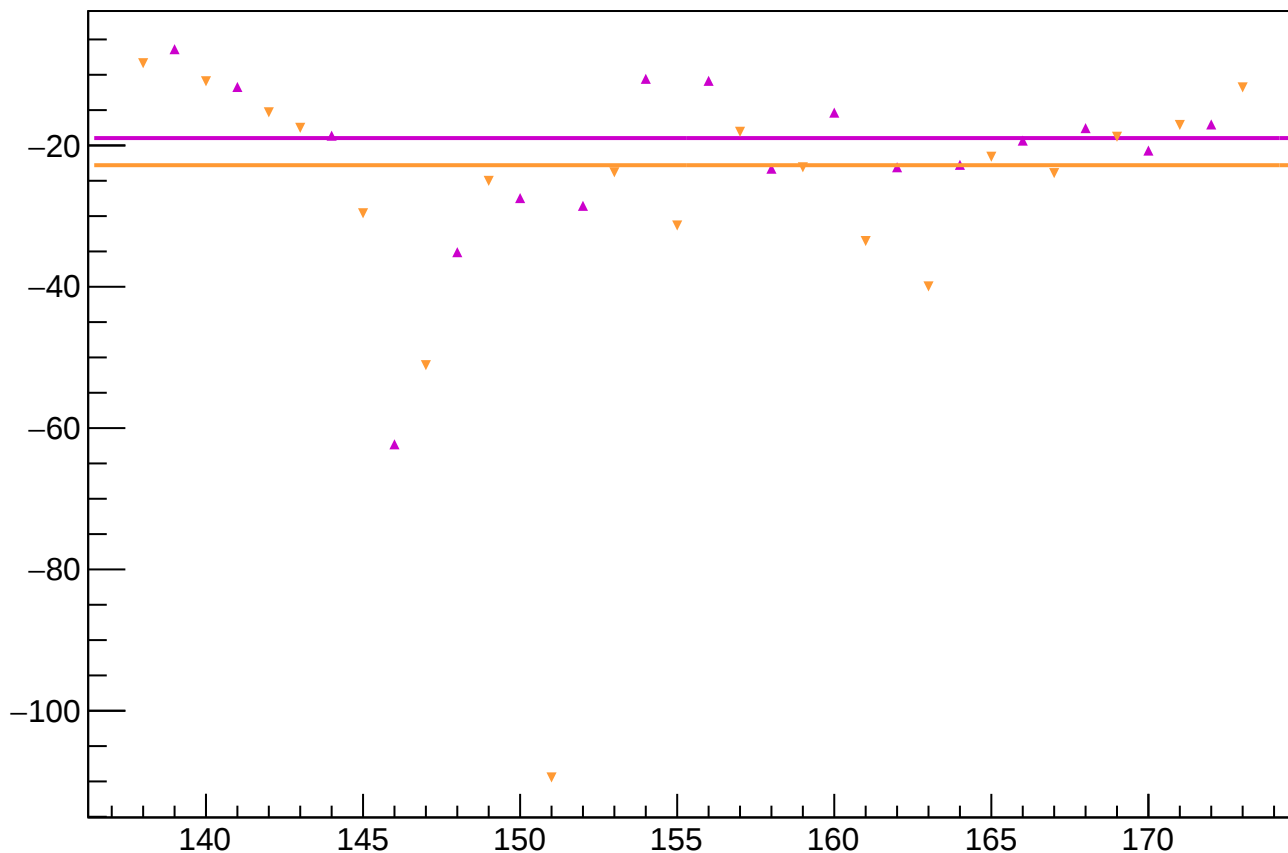
Left In: -8.506 ± 0.013 χ^2/NDF : 138239.9/16

+ sign -4.390 ± 0.012 χ^2/NDF : 1179037.3/35

All: -5.209 ± 0.009 χ^2/NDF : 2101187.7/71

- sign -6.059 ± 0.012 χ^2/NDF : 912523.8/35

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -22.796+/-0.054 χ^2/NDF : 62479.0/18

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

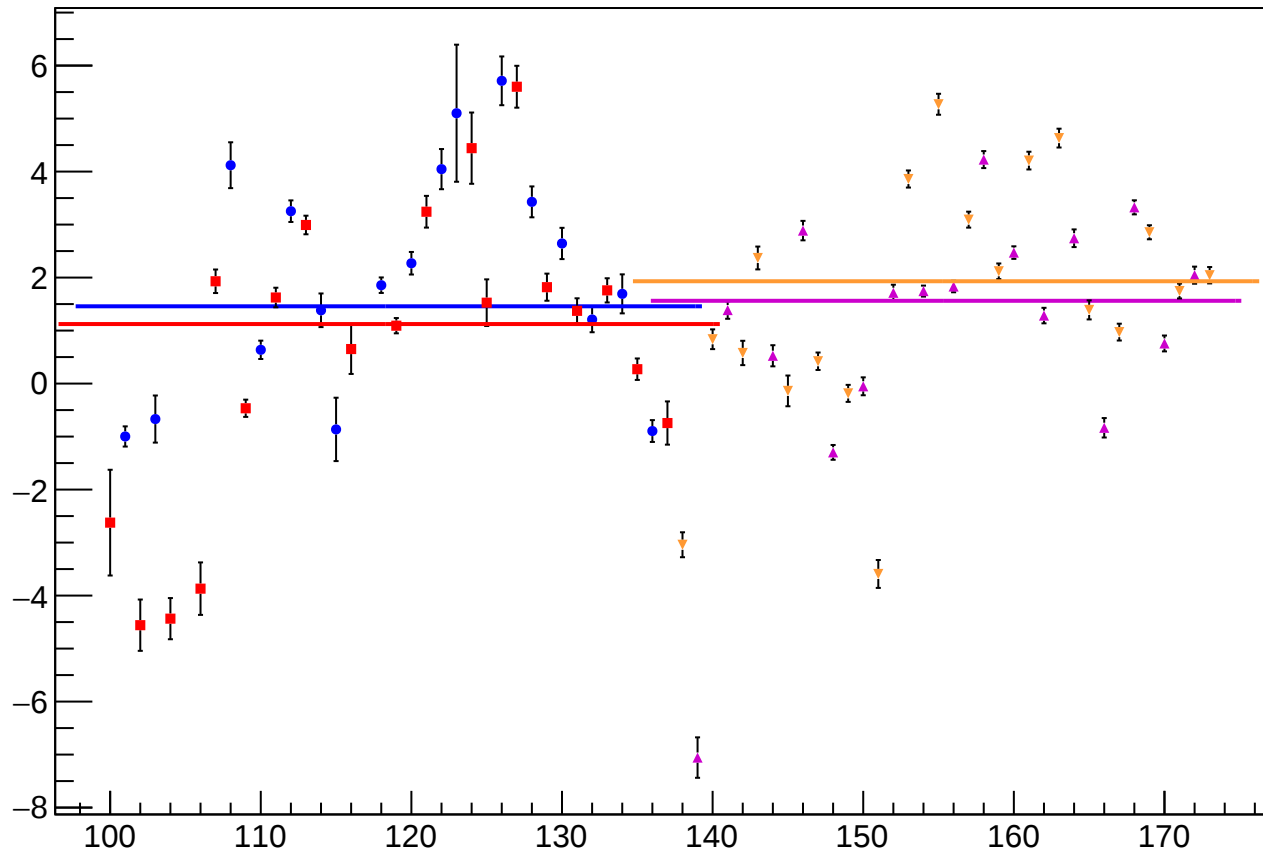
Left In: -18.957+/-0.049 χ^2/NDF : 37293.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.712+/-0.036 χ^2/NDF : 102557.7/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 $\pm$ 0.062 χ^2/NDF : 698.2/16

Left Out: 1.931 $\pm$ 0.040 χ^2/NDF : 2270.1/18

Right Out: 1.123 $\pm$ 0.058 χ^2/NDF : 947.4/18

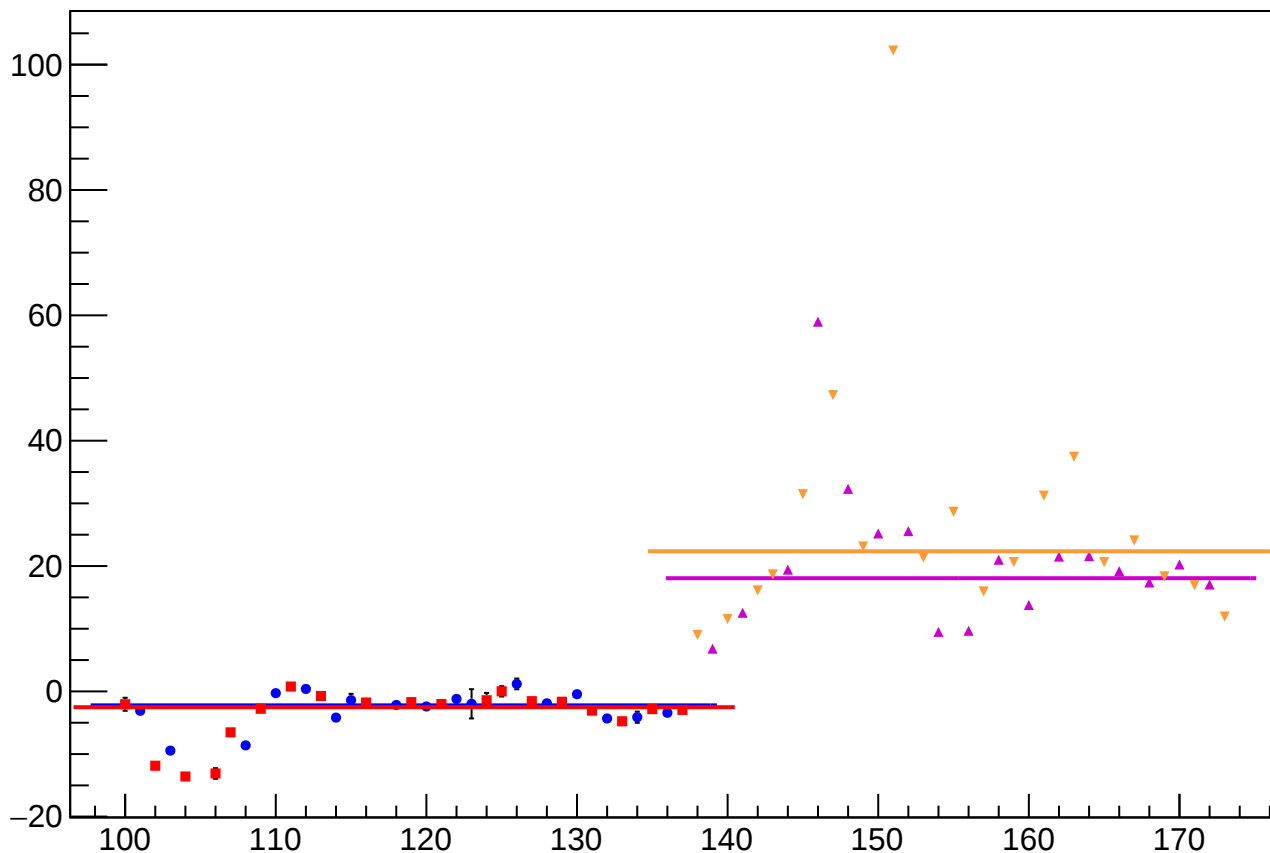
Left In: 1.562 $\pm$ 0.036 χ^2/NDF : 1884.3/16

+ sign 1.793 $\pm$ 0.033 χ^2/NDF : 3009.5/35

All: 1.601 $\pm$ 0.023 χ^2/NDF : 5942.8/71

- sign 1.440 $\pm$ 0.031 χ^2/NDF : 2872.9/35

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 22.355 ± 0.053 χ^2/NDF : 55676.9/18

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

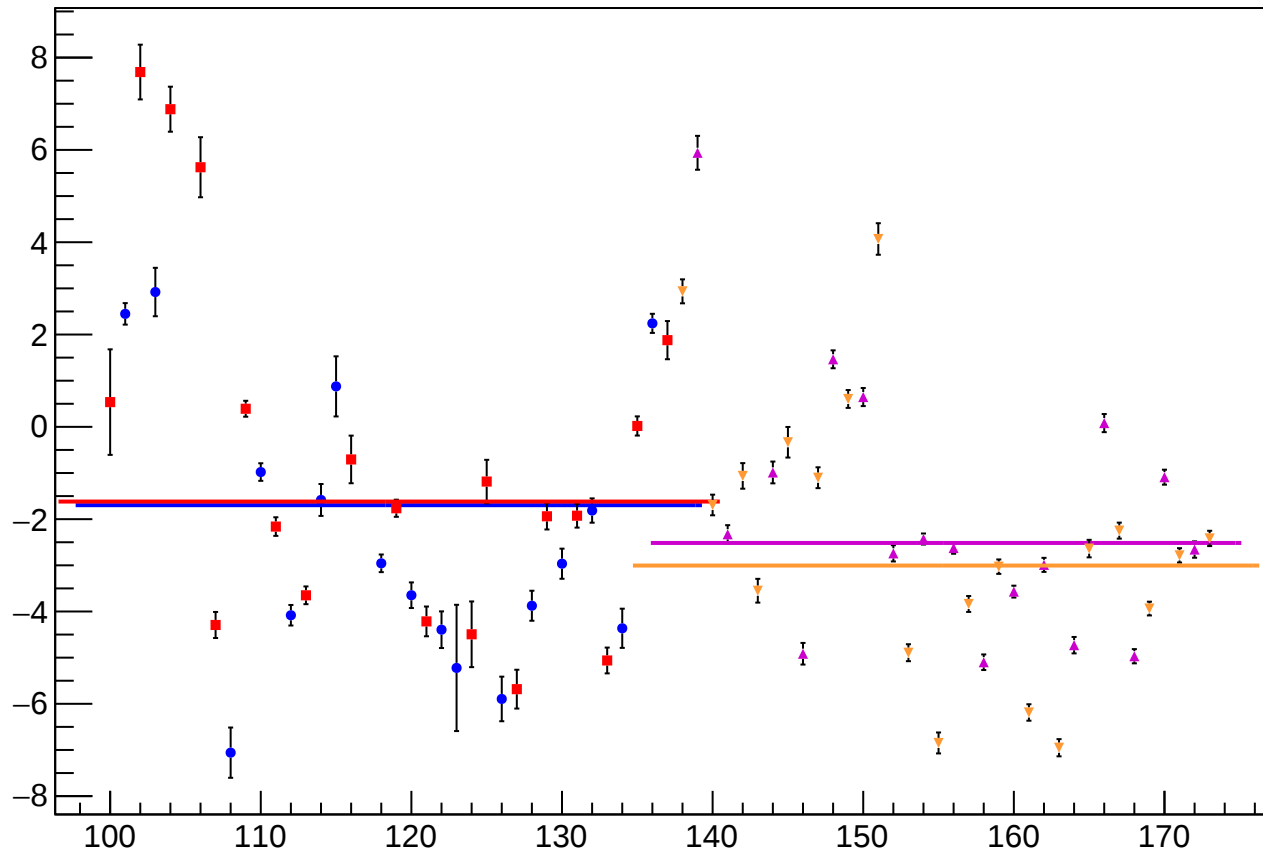
Left In: 18.060 ± 0.048 χ^2/NDF : 35311.5/16

+ sign 17.798 ± 0.048 χ^2/NDF : 95901.4/35

All: 15.787 ± 0.032 χ^2/NDF : 170343.8/71

- sign 14.160 ± 0.043 χ^2/NDF : 71255.2/35

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -3.005 ± 0.045 χ^2/NDF : 2784.6/18

Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18

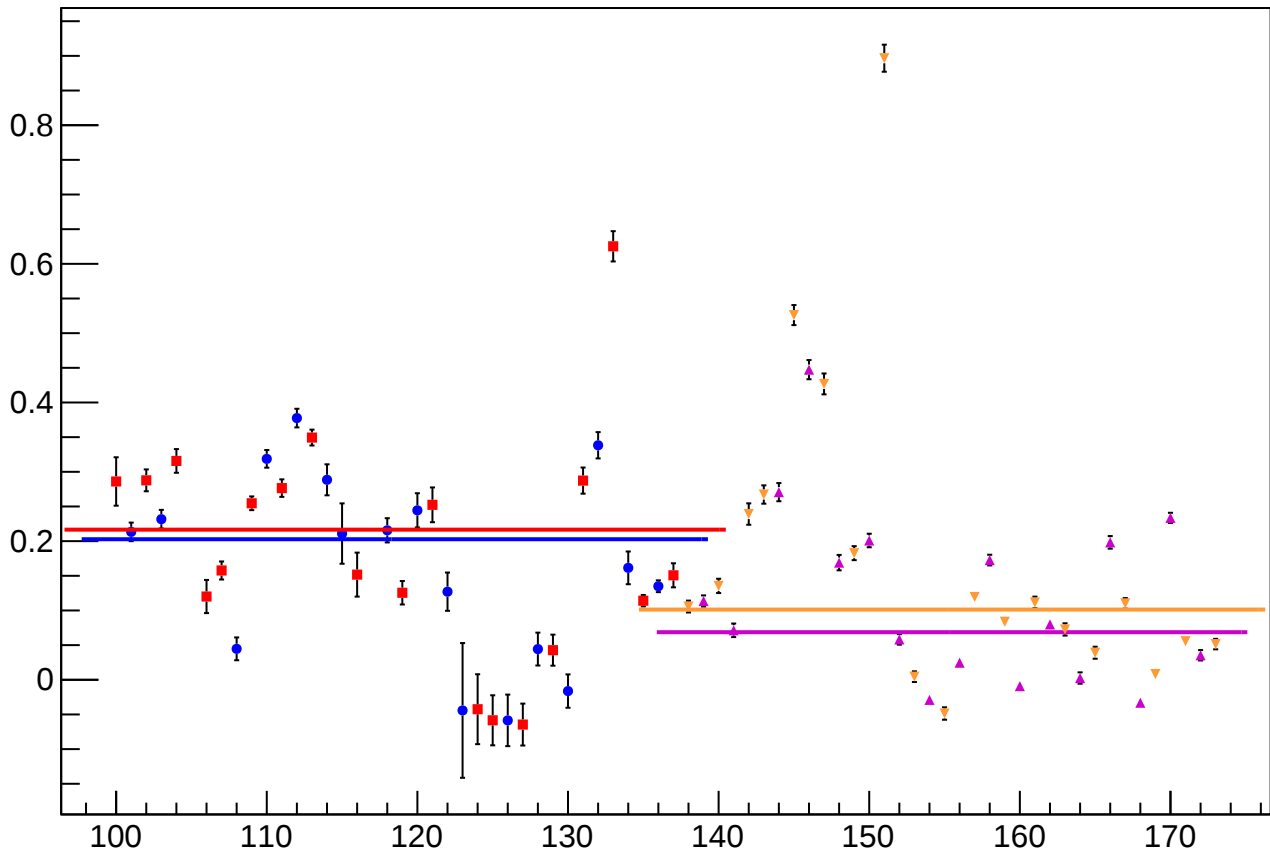
Left In: -2.515 ± 0.041 χ^2/NDF : 2334.2/16

+ sign -2.631 ± 0.038 χ^2/NDF : 4345.6/35

All: -2.431 ± 0.026 χ^2/NDF : 8354.1/71

- sign -2.264 ± 0.035 χ^2/NDF : 3957.8/35

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 676.5/16

Left Out: 0.101 $\pm$ 0.002 χ^2 /NDF: 4101.1/18

Right Out: 0.217 $\pm$ 0.004 χ^2 /NDF: 1064.4/18

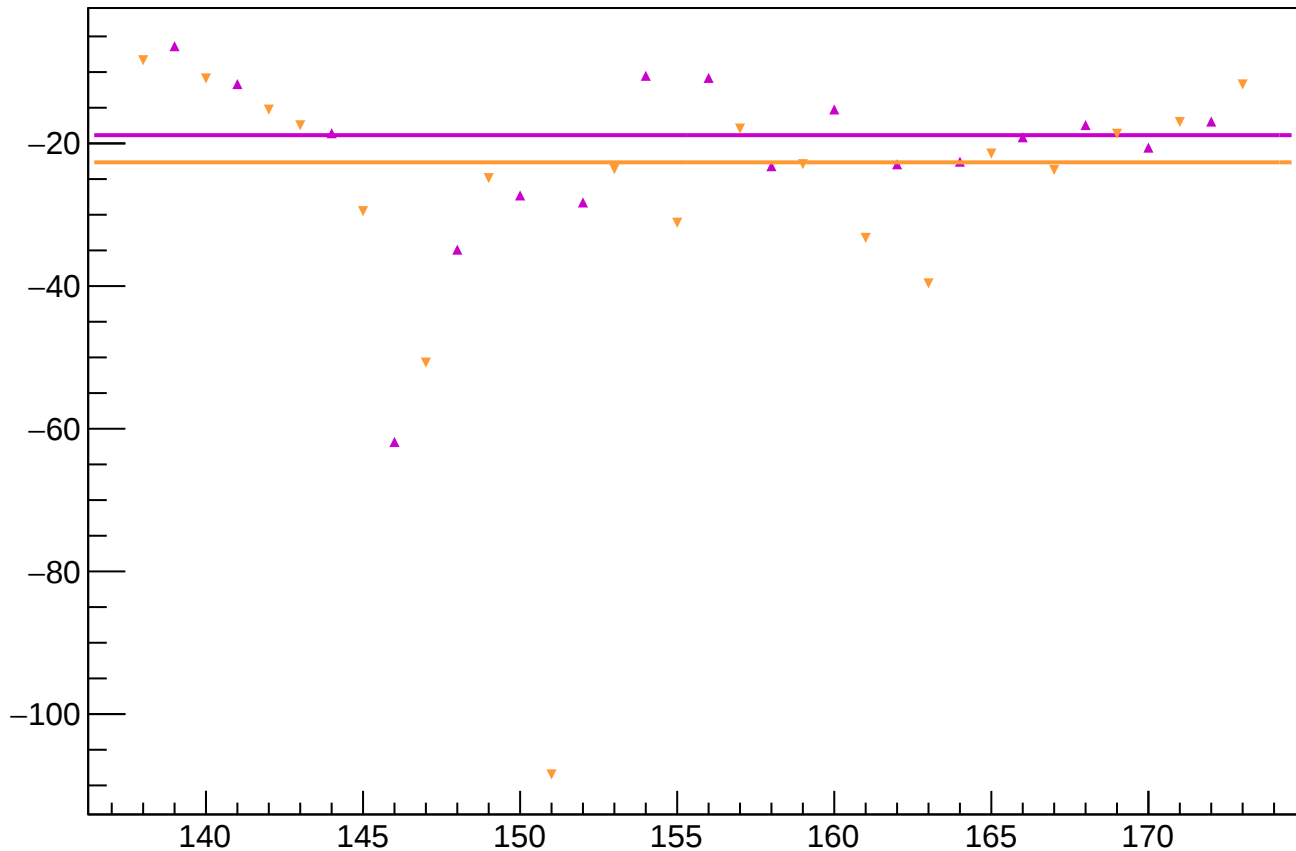
Left In: 0.069 $\pm$ 0.002 χ^2 /NDF: 3199.7/16

+ sign 0.121 $\pm$ 0.002 χ^2 /NDF: 5260.9/35

All: 0.107 $\pm$ 0.001 χ^2 /NDF: 10921.0/71

- sign 0.097 $\pm$ 0.002 χ^2 /NDF: 5561.5/35

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -22.653+/-0.053 χ^2/NDF : 62291.6/18

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

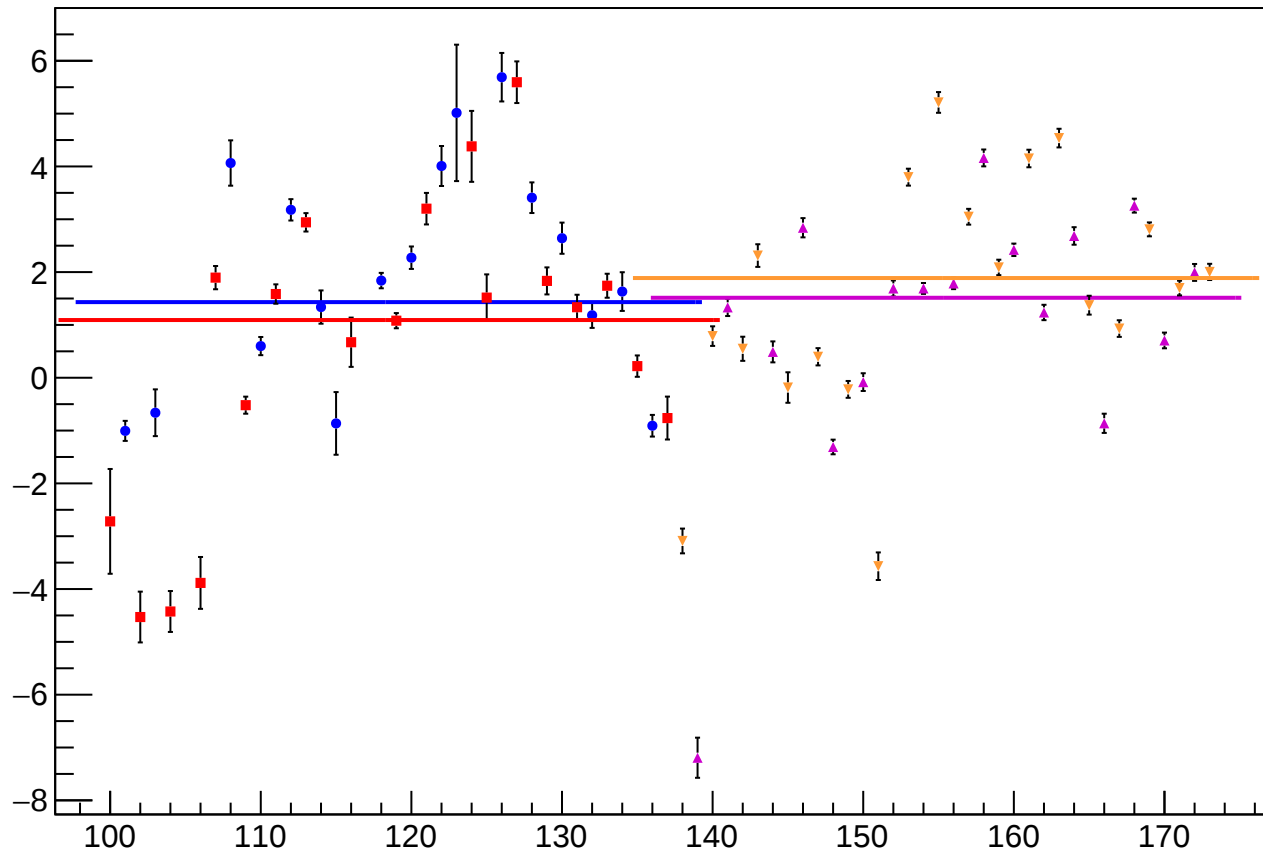
Left In: -18.846+/-0.049 χ^2/NDF : 37204.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.586+/-0.036 χ^2/NDF : 102269.9/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 $\pm$ 0.062 χ^2/NDF : 696.6/16

Left Out: 1.888 $\pm$ 0.040 χ^2/NDF :2269.7/18

Right Out: 1.092 $\pm$ 0.058 χ^2/NDF : 953.2/18

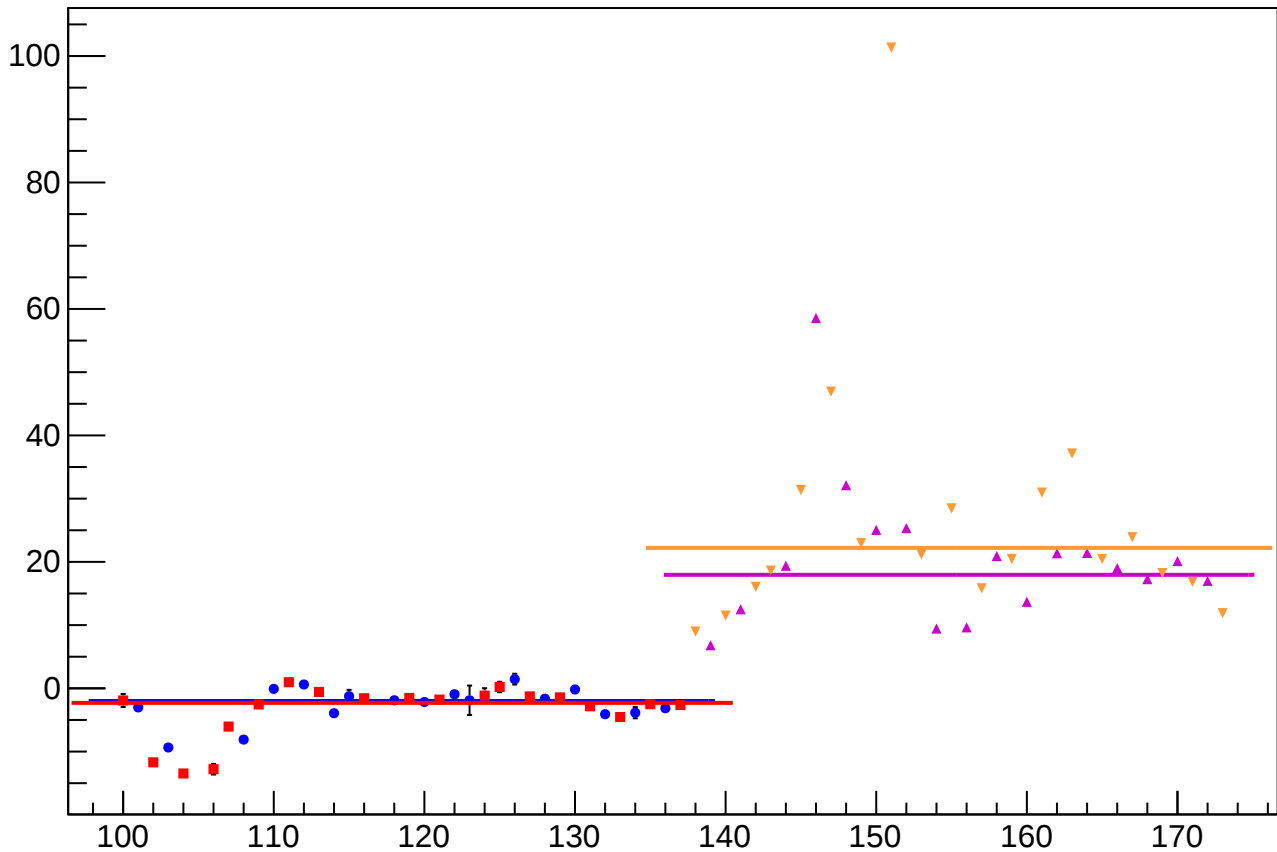
Left In: 1.514 $\pm$ 0.036 χ^2/NDF :1894.0/16

+ sign 1.755 $\pm$ 0.033 χ^2/NDF : 3005.0/35

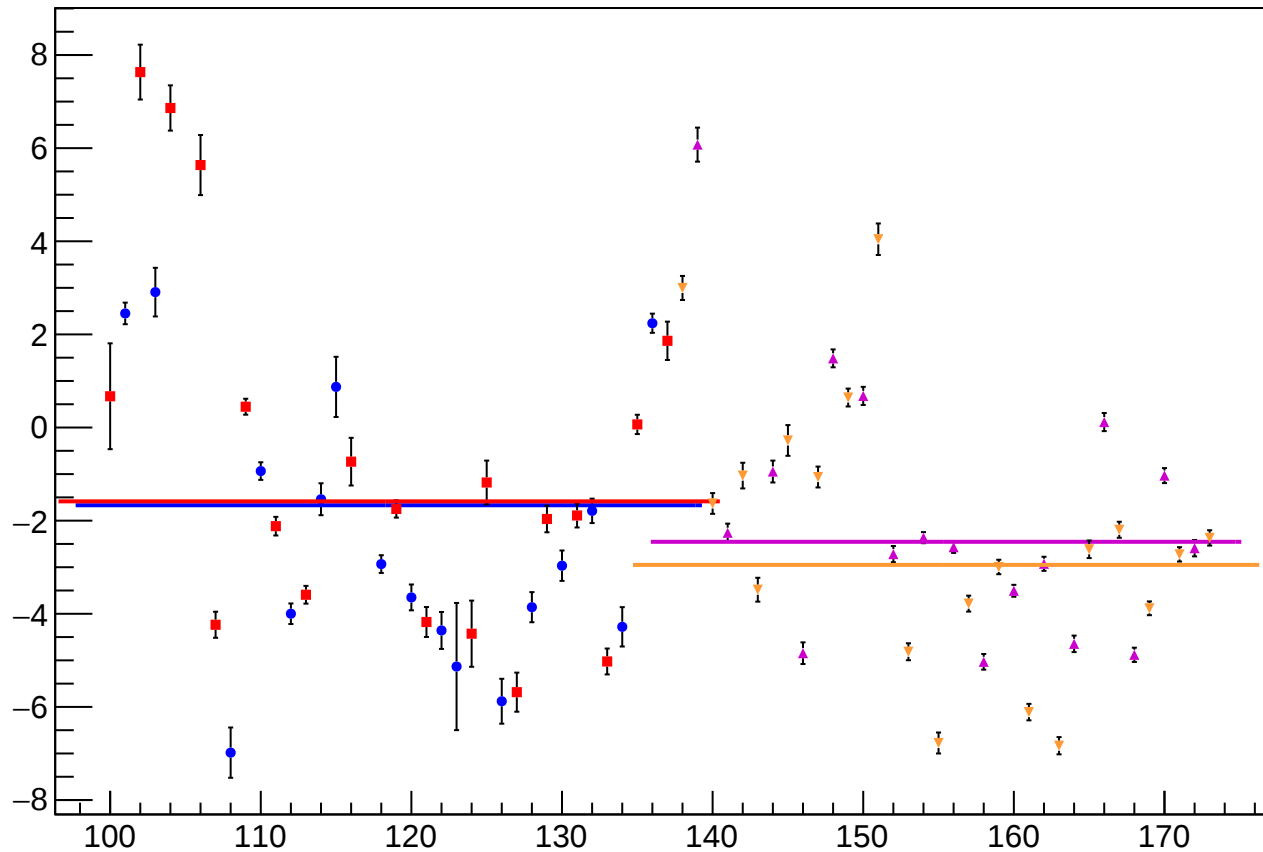
All: 1.560 $\pm$ 0.022 χ^2/NDF : 5953.3/71

- sign 1.397 $\pm$ 0.030 χ^2/NDF : 2885.5/35

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 $\pm$ 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.950 $\pm$ 0.045 χ^2/NDF : 2782.8/18

Right Out: -1.585 $\pm$ 0.065 χ^2/NDF : 1494.7/18

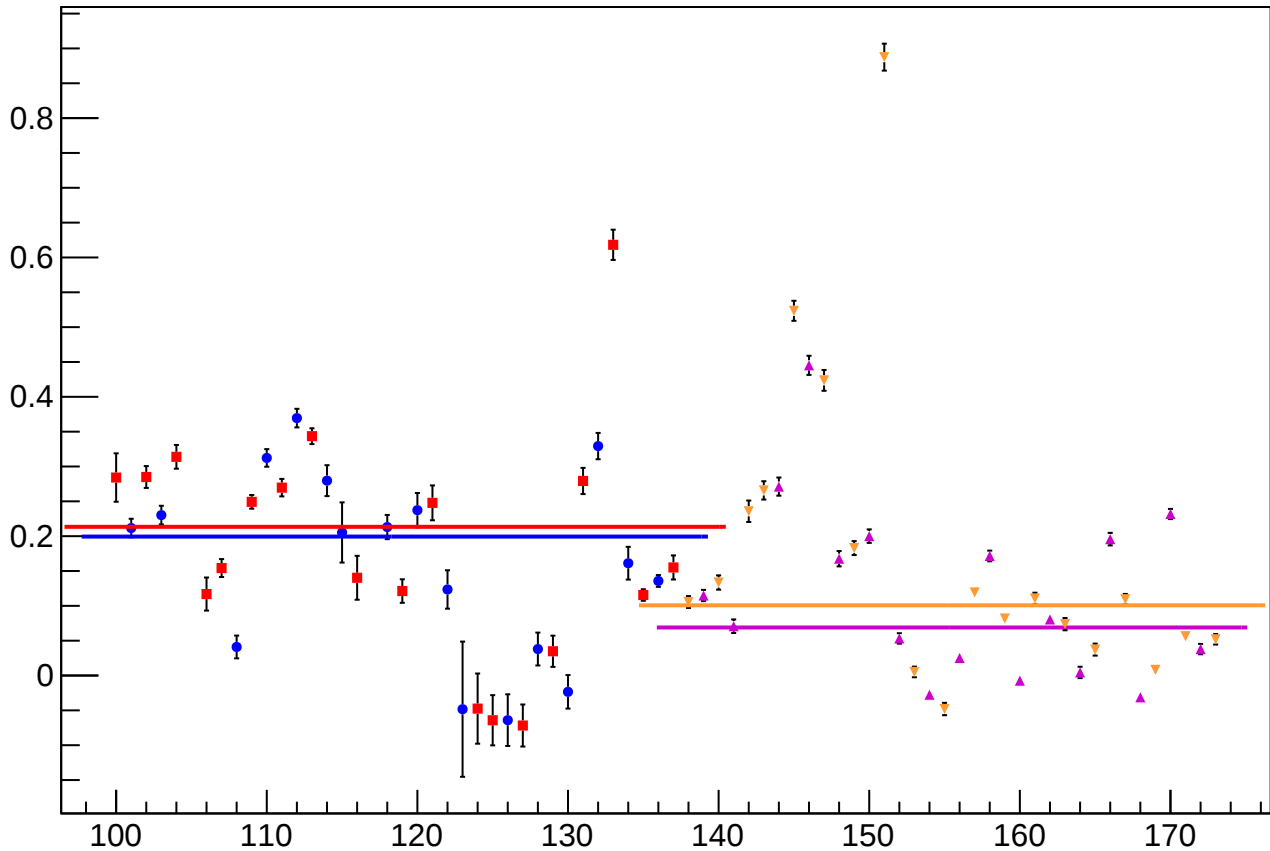
Left In: -2.454 $\pm$ 0.041 χ^2/NDF : 2344.7/16

+ sign -2.585 $\pm$ 0.038 χ^2/NDF : 4332.0/35

All: -2.382 $\pm$ 0.025 χ^2/NDF : 8352.0/71

- sign -2.212 $\pm$ 0.035 χ^2/NDF : 3966.8/35

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.101 ± 0.002 χ^2/NDF : 4092.1/18

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

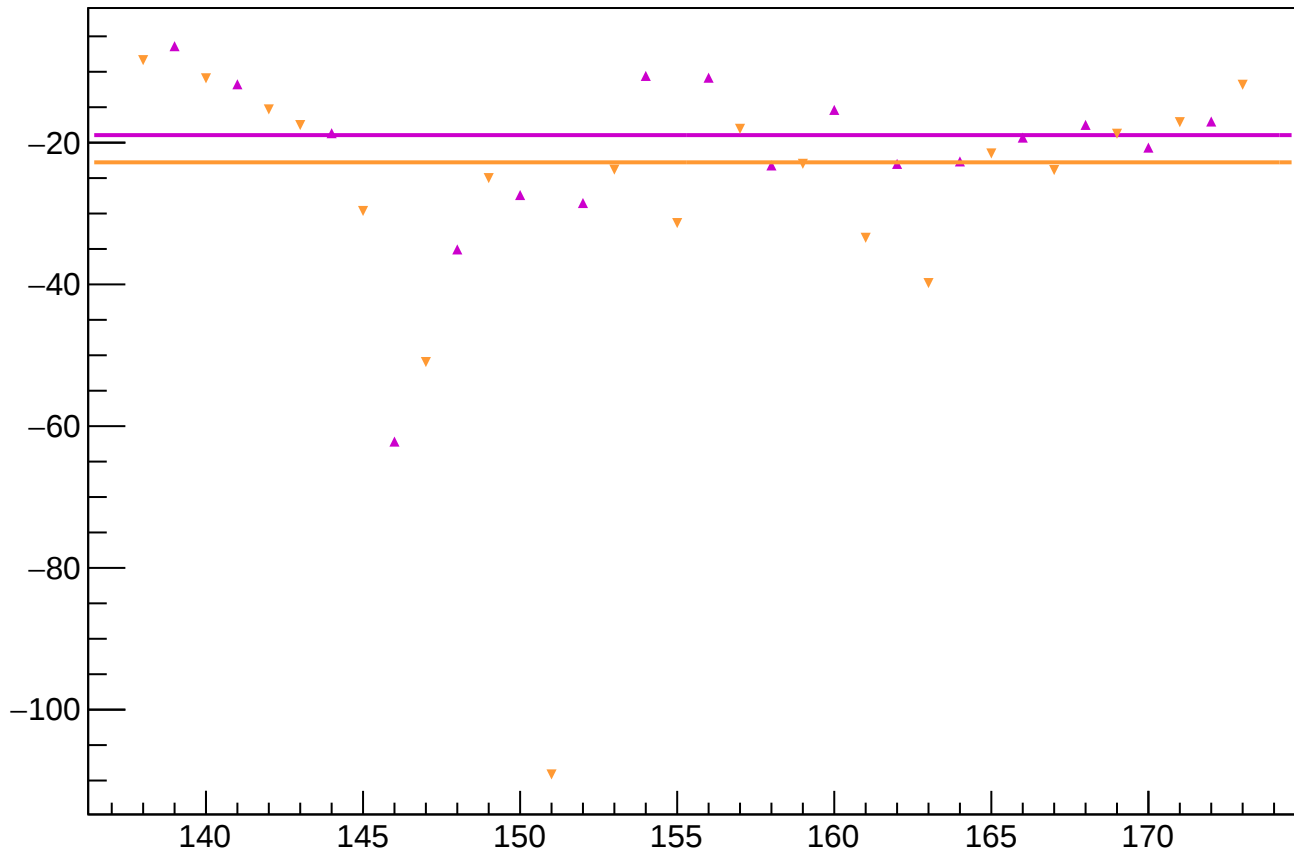
Left In: 0.069 ± 0.002 χ^2/NDF : 3173.8/16

+ sign 0.119 ± 0.002 χ^2/NDF : 5216.1/35

All: 0.106 ± 0.001 χ^2/NDF : 10783.2/71

- sign 0.096 ± 0.002 χ^2/NDF : 5473.0/35

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -22.777 ± 0.053 χ^2/NDF : 62404.8/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

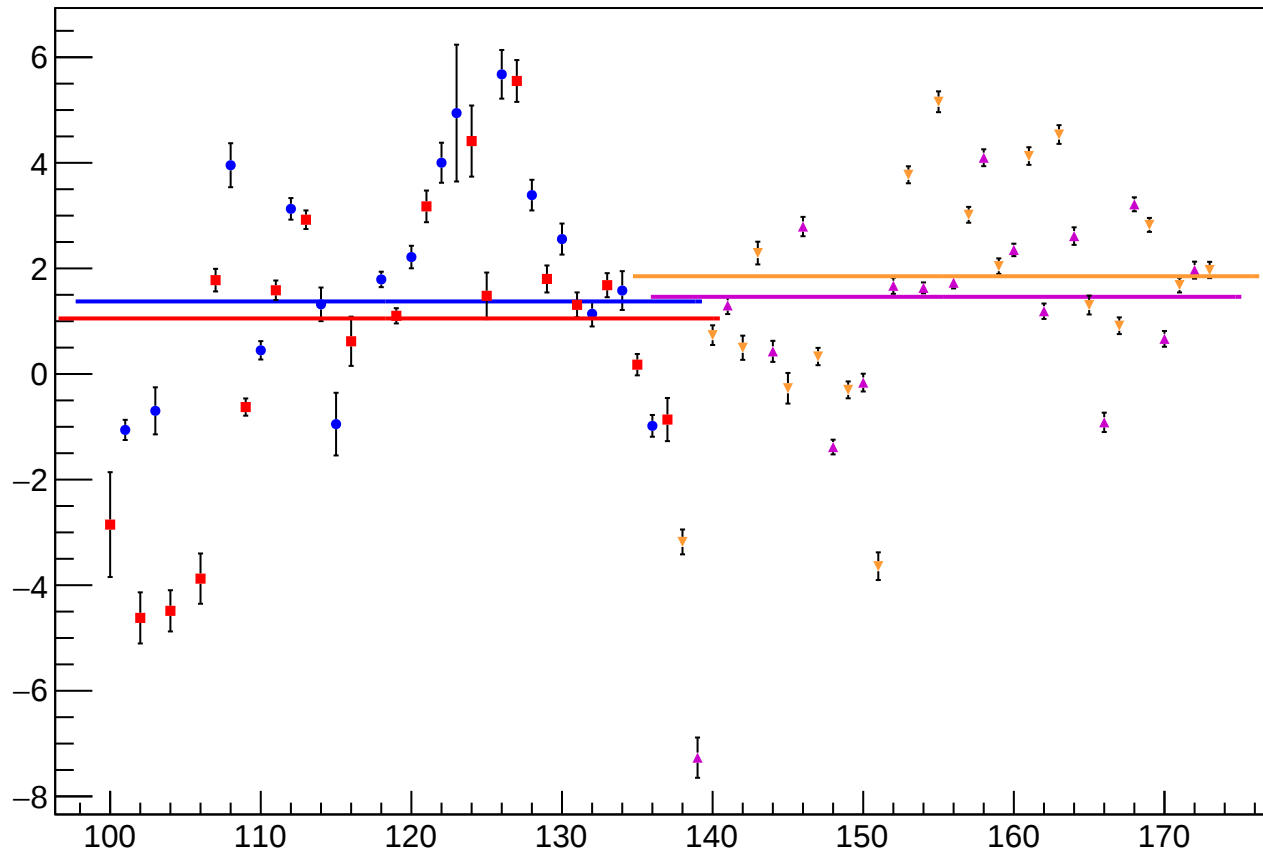
Left In: -18.937 ± 0.049 χ^2/NDF : 37273.5/16

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -20.691 ± 0.036 χ^2/NDF : 102478.1/35

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 $\pm$ 0.062 χ^2 /NDF: 702.4/16

Left Out: 1.852 $\pm$ 0.040 χ^2 /NDF:2291.9/18

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 964.0/18

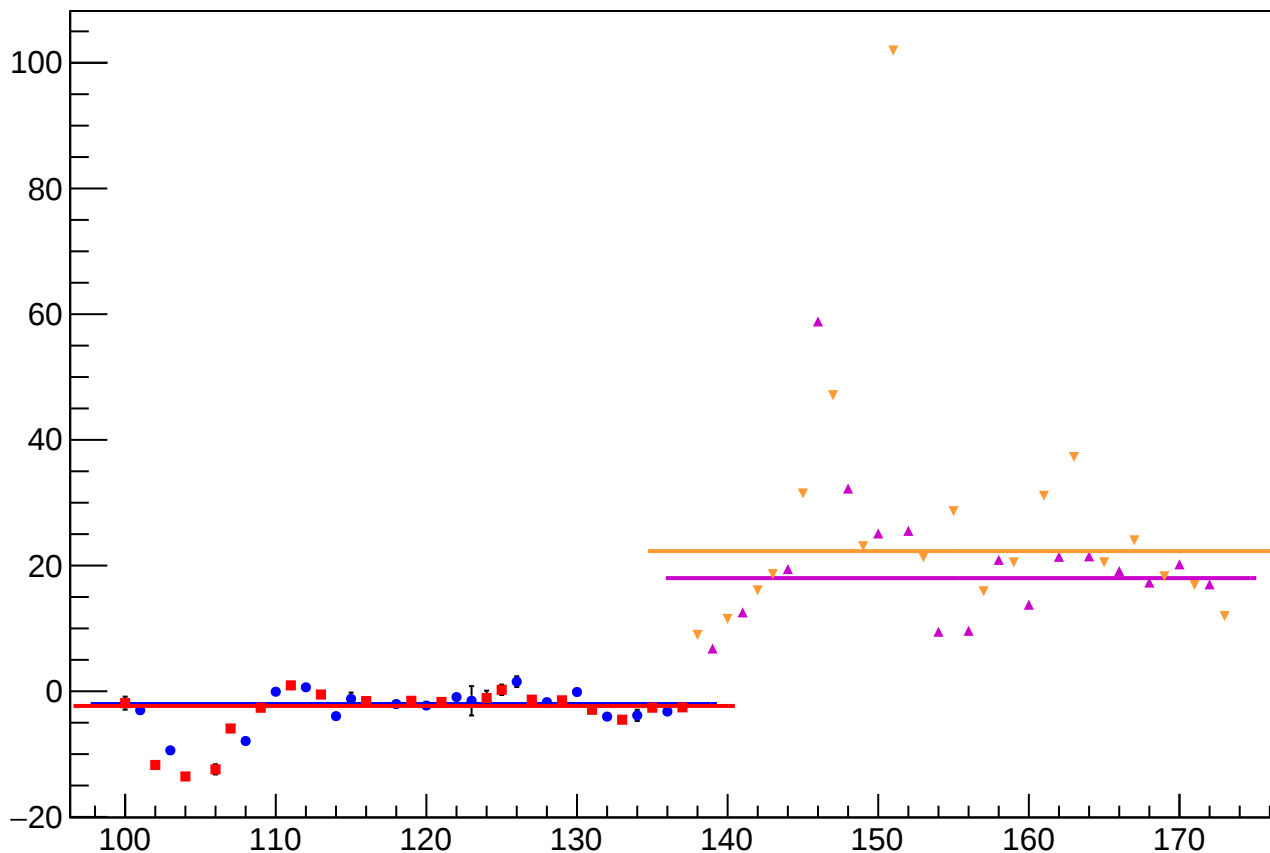
Left In: 1.462 $\pm$ 0.036 χ^2 /NDF:1886.8/16

+ sign 1.713 $\pm$ 0.033 χ^2 /NDF: 3036.5/35

All: 1.514 $\pm$ 0.023 χ^2 /NDF: 5988.1/71

- sign 1.348 $\pm$ 0.031 χ^2 /NDF: 2886.8/35

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 22.301 ± 0.053 χ^2/NDF : 55627.3/18

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

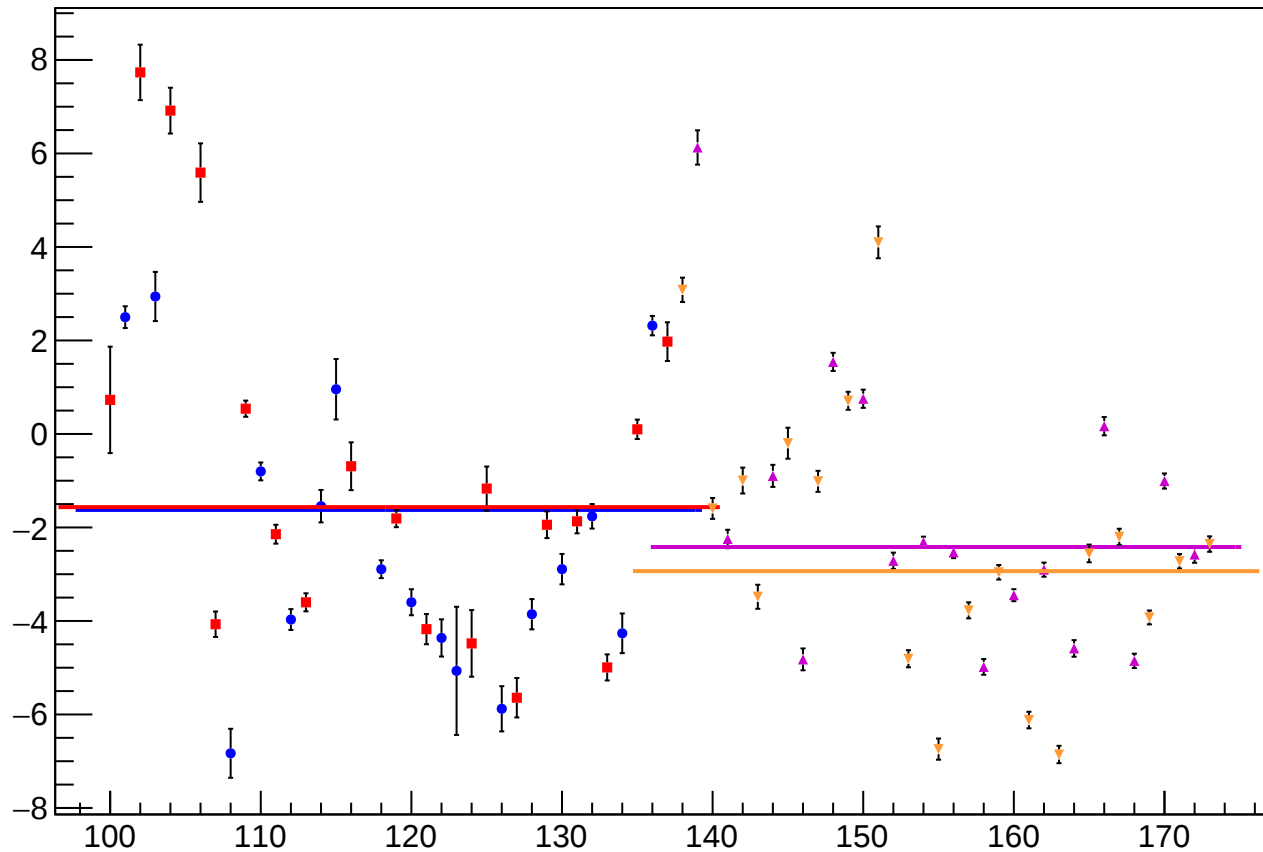
Left In: 18.006 ± 0.048 χ^2/NDF : 35311.8/16

+ sign 17.810 ± 0.048 χ^2/NDF : 95059.8/35

All: 15.795 ± 0.032 χ^2/NDF : 168776.9/71

- sign 14.165 ± 0.043 χ^2/NDF : 70503.5/35

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 $\pm$ 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.934 $\pm$ 0.045 χ^2/NDF : 2811.0/18

Right Out: -1.565 $\pm$ 0.066 χ^2/NDF : 1505.8/18

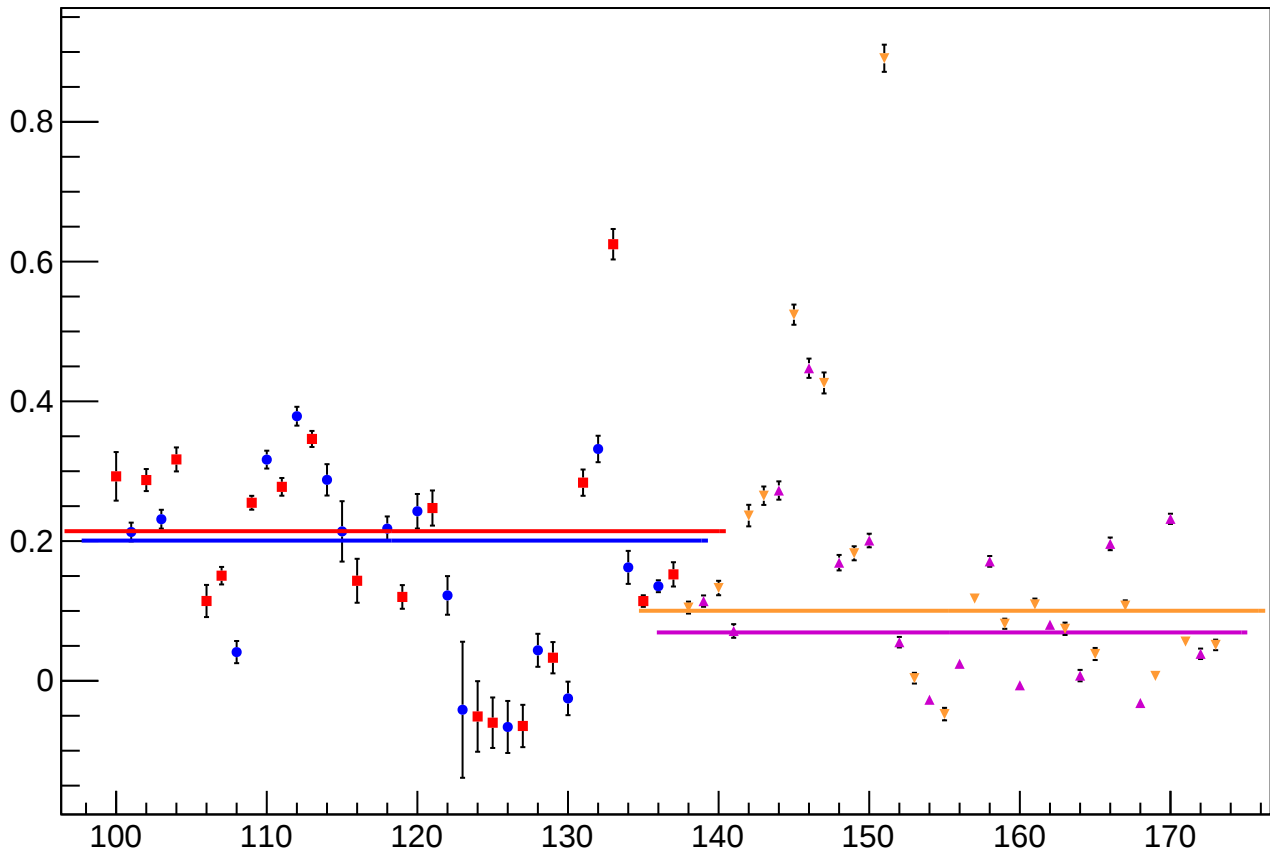
Left In: -2.418 $\pm$ 0.041 χ^2/NDF : 2336.3/16

+ sign -2.561 $\pm$ 0.038 χ^2/NDF : 4374.3/35

All: -2.353 $\pm$ 0.026 χ^2/NDF : 8393.3/71

- sign -2.180 $\pm$ 0.035 χ^2/NDF : 3964.0/35

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.004 χ^2/NDF : 690.6/16

Left Out: 0.100 $\pm$ 0.002 χ^2/NDF : 4079.6/18

Right Out: 0.214 $\pm$ 0.004 χ^2/NDF : 1080.4/18

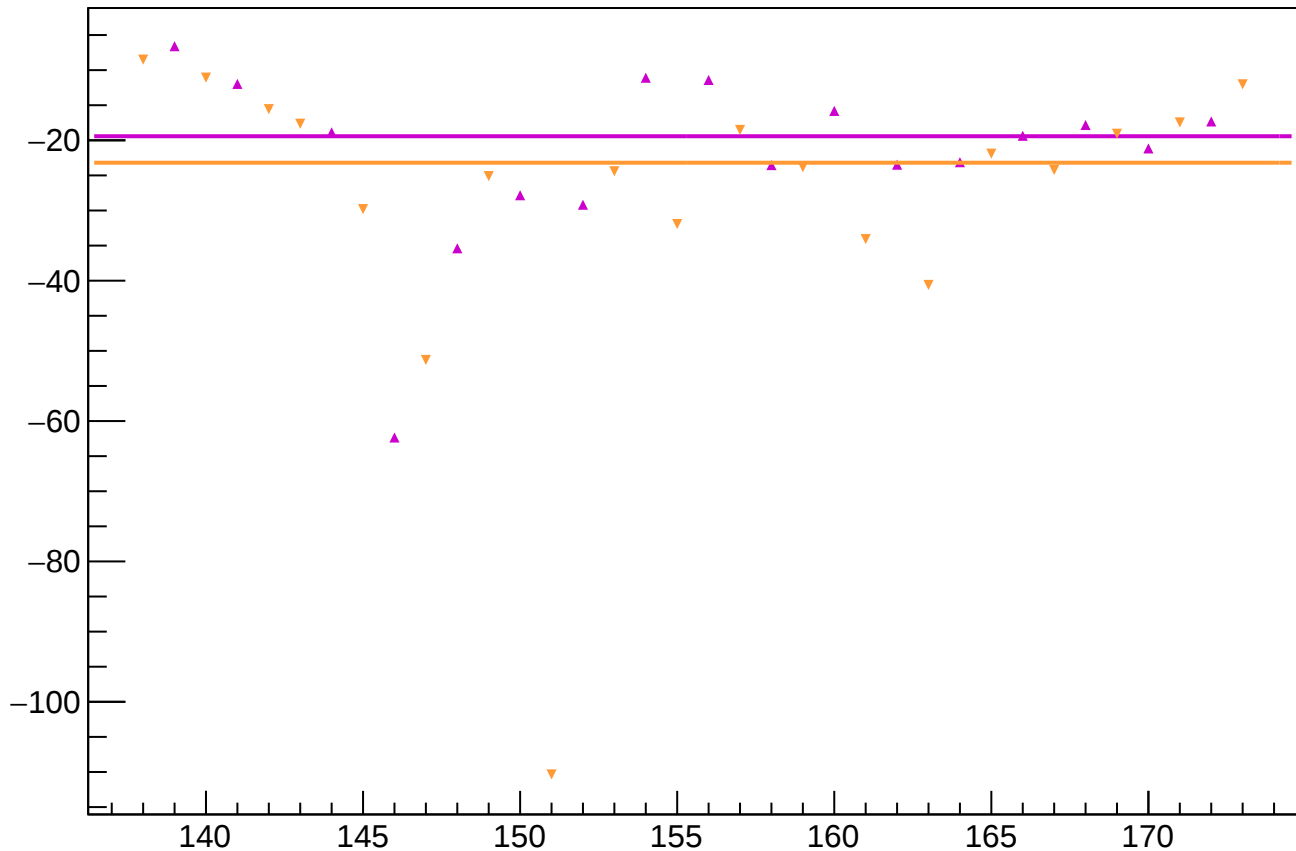
Left In: 0.069 $\pm$ 0.002 χ^2/NDF : 3152.3/16

+ sign 0.119 $\pm$ 0.002 χ^2/NDF : 5245.4/35

All: 0.107 $\pm$ 0.001 χ^2/NDF : 10819.9/71

- sign 0.097 $\pm$ 0.002 χ^2/NDF : 5485.8/35

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -23.191+/-0.055 χ^2/NDF :62260.9/18

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

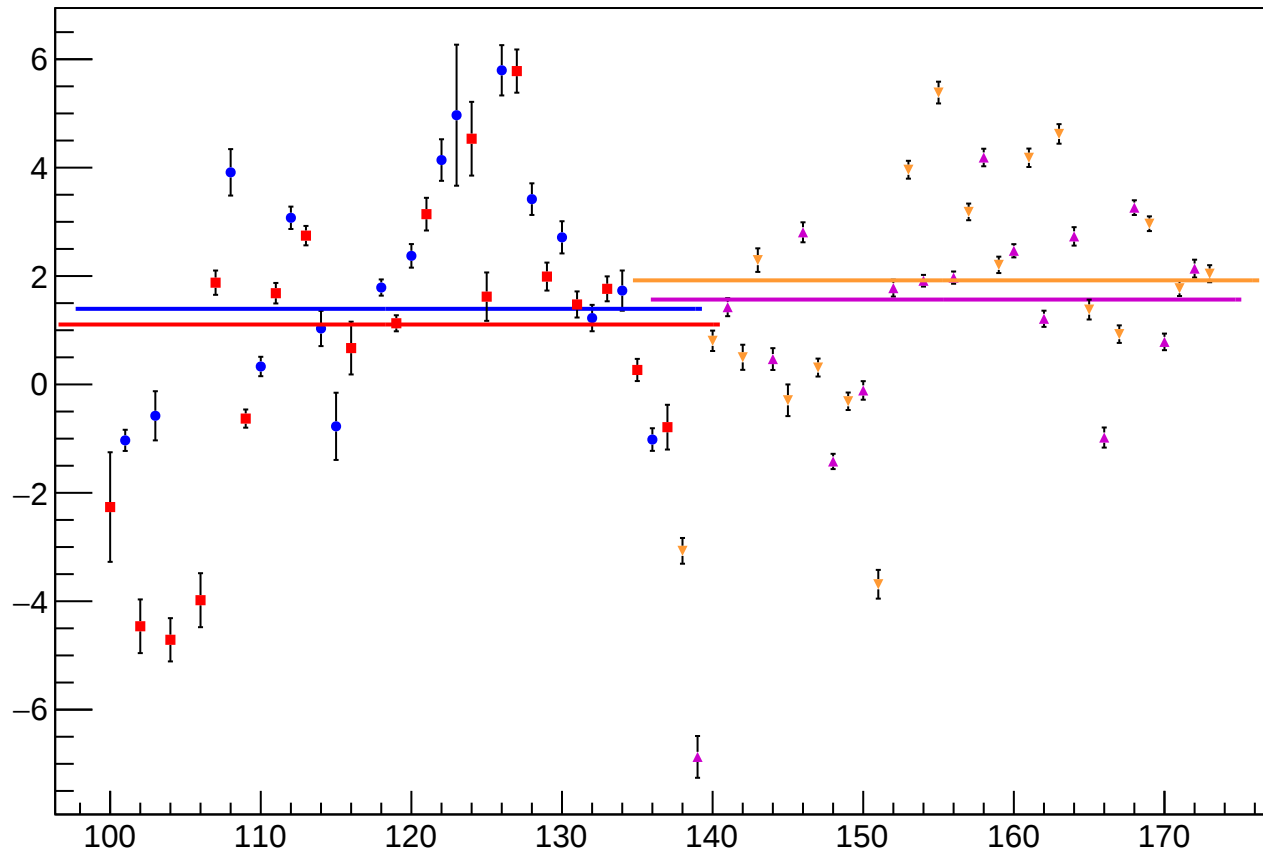
Left In: -19.419+/-0.050 χ^2/NDF :36146.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.150+/-0.037 χ^2/NDF : 100996.2/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 $\pm$ 0.063 χ^2/NDF : 701.4/16

Left Out: 1.920 $\pm$ 0.040 χ^2/NDF : 2337.6/18

Right Out: 1.106 $\pm$ 0.059 χ^2/NDF : 937.0/18

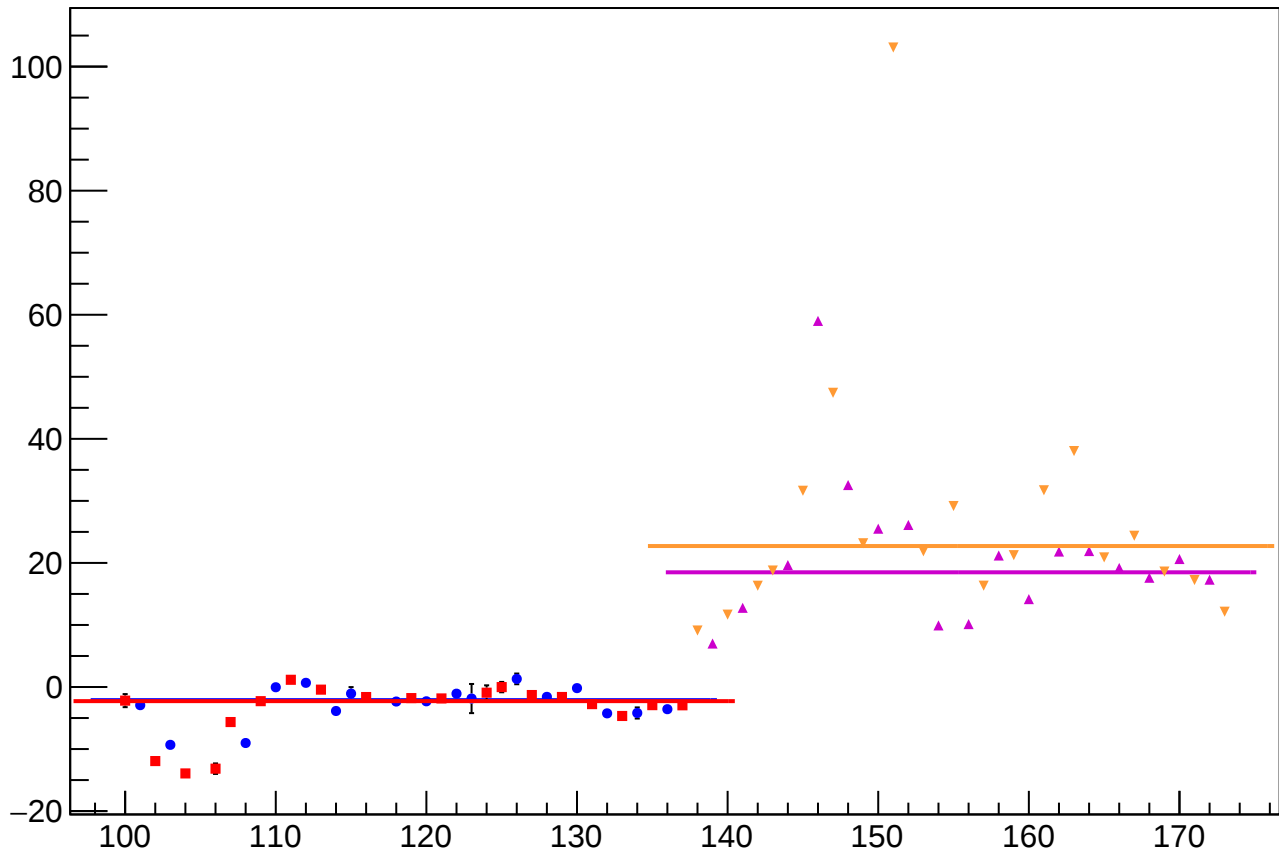
Left In: 1.566 $\pm$ 0.037 χ^2/NDF : 1877.8/16

+ sign 1.767 $\pm$ 0.034 χ^2/NDF : 3088.2/35

All: 1.588 $\pm$ 0.023 χ^2/NDF : 5997.3/71

- sign 1.437 $\pm$ 0.031 χ^2/NDF : 2858.3/35

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 22.722 ± 0.054 χ^2/NDF : 55373.8/18

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

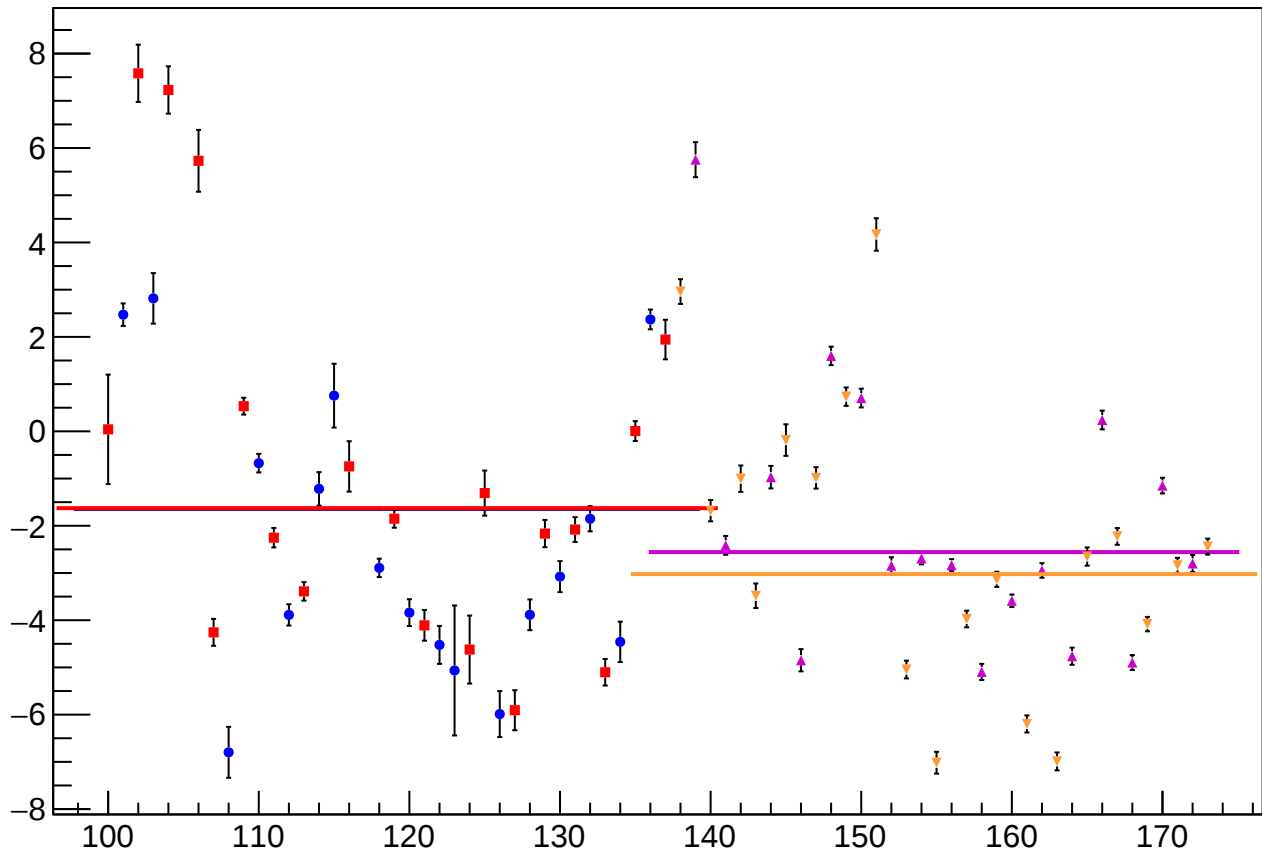
Left In: 18.488 ± 0.049 χ^2/NDF : 34055.7/16

+ sign 18.122 ± 0.049 χ^2/NDF : 95029.4/35

All: 16.152 ± 0.033 χ^2/NDF : 167186.4/71

- sign 14.546 ± 0.044 χ^2/NDF : 69193.0/35

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: -3.024 ± 0.046 χ^2/NDF : 2853.7/18

Right Out: -1.627 ± 0.067 χ^2/NDF : 1468.1/18

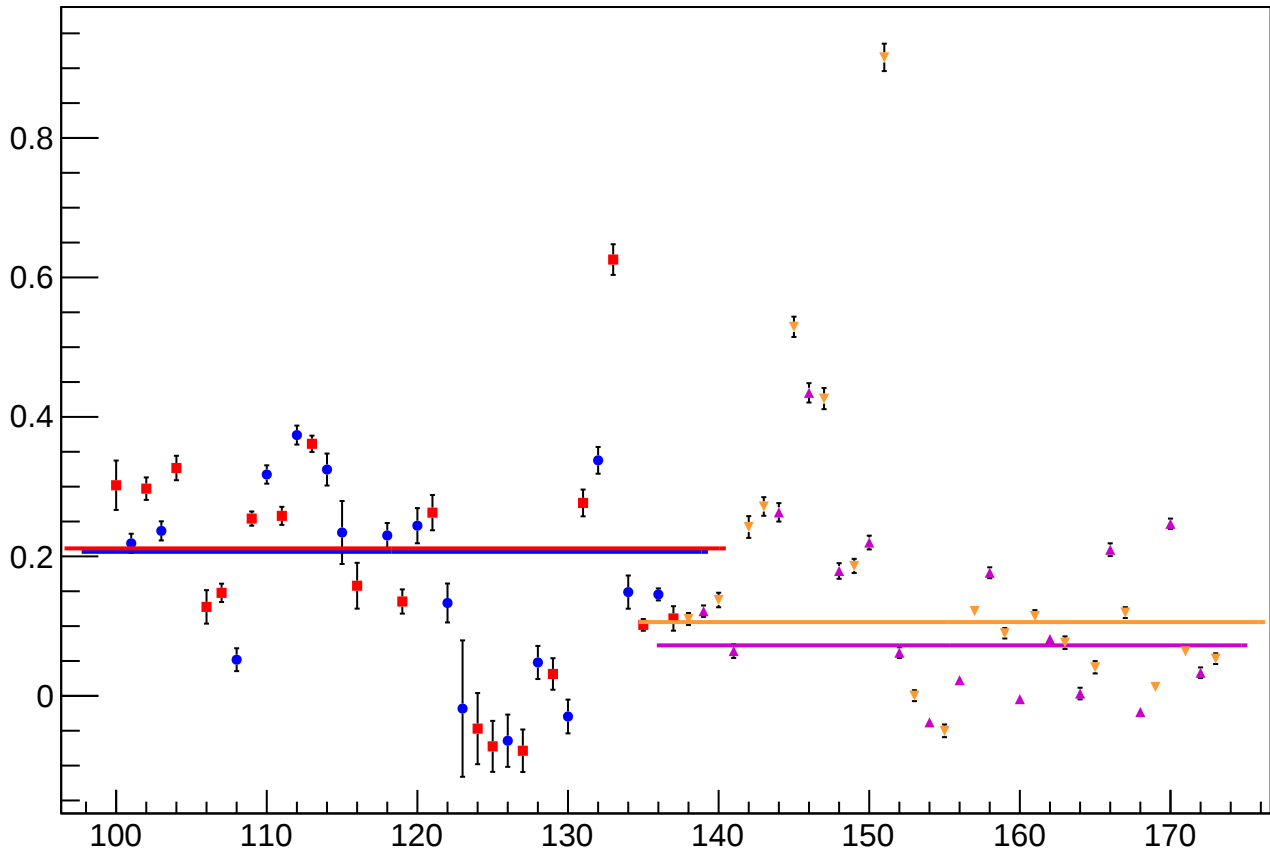
Left In: -2.557 ± 0.042 χ^2/NDF : 2301.5/16

+ sign -2.629 ± 0.039 χ^2/NDF : 4423.8/35

All: -2.448 ± 0.026 χ^2/NDF : 8372.7/71

- sign -2.296 ± 0.035 χ^2/NDF : 3908.6/35

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16

Left Out: 0.106 $\pm$ 0.002 χ^2/NDF : 4109.6/18

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

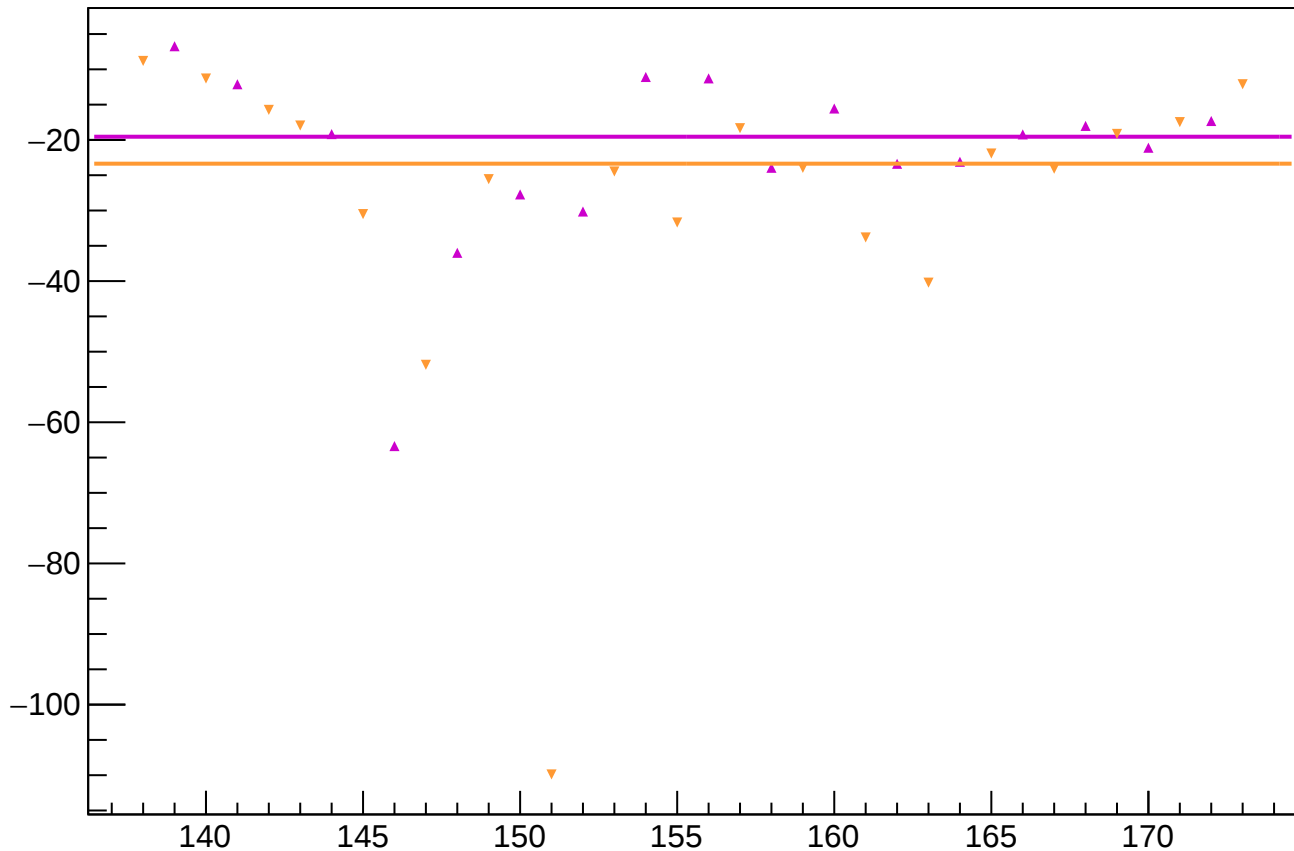
Left In: 0.072 $\pm$ 0.002 χ^2/NDF : 3244.9/16

+ sign 0.125 $\pm$ 0.002 χ^2/NDF : 5226.2/35

All: 0.110 $\pm$ 0.001 χ^2/NDF : 10834.1/71

- sign 0.099 $\pm$ 0.002 χ^2/NDF : 5495.7/35

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -23.365+/-0.055 χ^2/NDF : 61033.9/18

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

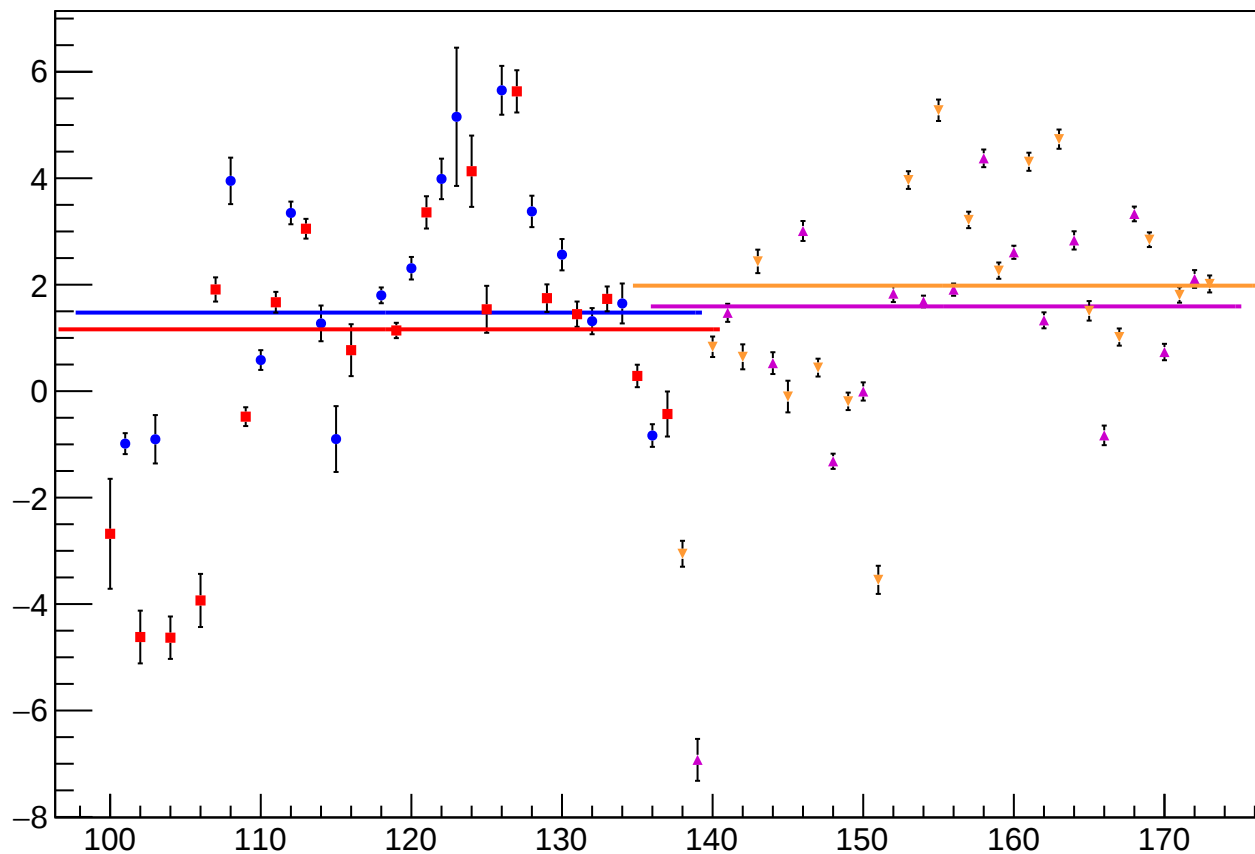
Left In: -19.546+/-0.051 χ^2/NDF : 36446.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.305+/-0.037 χ^2/NDF : 100074.4/35

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 $\pm$ 0.064 χ^2/NDF : 659.7/16

Left Out: 1.982 $\pm$ 0.041 χ^2/NDF :2226.8/18

Right Out: 1.161 $\pm$ 0.060 χ^2/NDF : 917.9/18

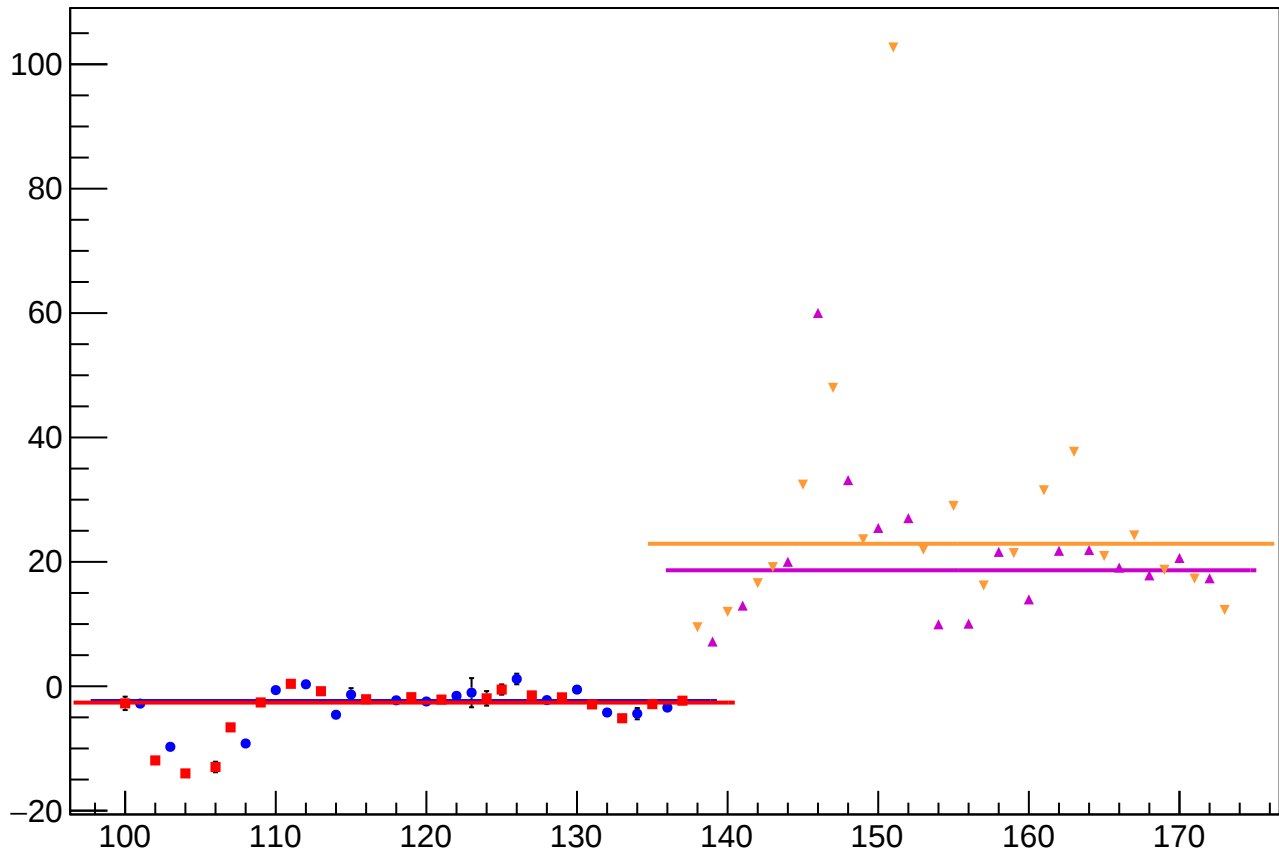
Left In: 1.592 $\pm$ 0.037 χ^2/NDF :1841.0/16

+ sign 1.834 $\pm$ 0.034 χ^2/NDF : 2931.3/35

All: 1.638 $\pm$ 0.023 χ^2/NDF : 5787.6/71

- sign 1.472 $\pm$ 0.032 χ^2/NDF : 2796.1/35

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 22.908 ± 0.055 $\chi^2/\text{NDF}: 54385.0/18$

Right Out: -2.623 ± 0.103 $\chi^2/\text{NDF}: 841.3/18$

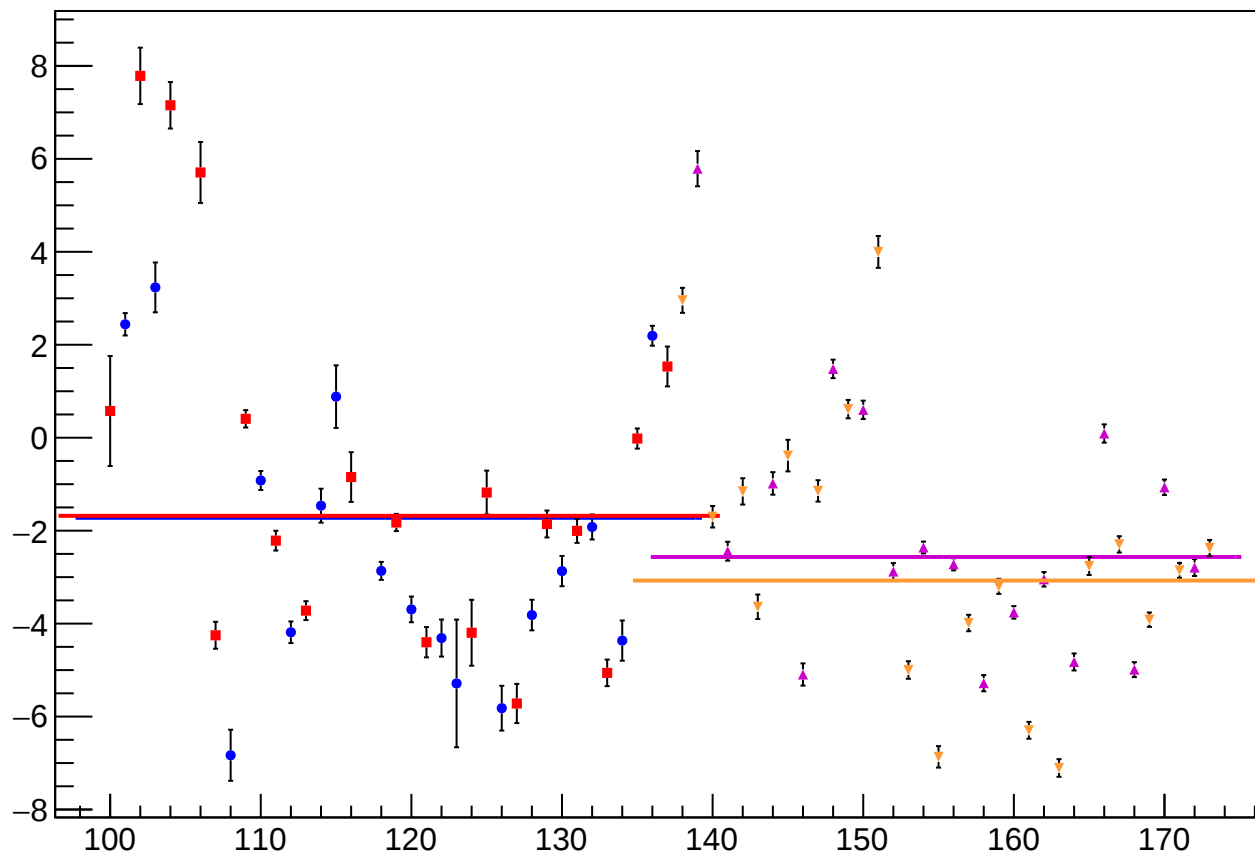
Left In: 18.645 ± 0.050 $\chi^2/\text{NDF}: 34368.7/16$

+ sign 18.268 ± 0.049 $\chi^2/\text{NDF}: 94286.3/35$

All: 16.290 ± 0.033 $\chi^2/\text{NDF}: 166915.2/71$

- sign 14.664 ± 0.045 $\chi^2/\text{NDF}: 69692.6/35$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722 $\pm$ 0.073 χ^2/NDF : 1247.6/16

Left Out: -3.073 $\pm$ 0.046 χ^2/NDF : 2734.6/18

Right Out: -1.681 $\pm$ 0.068 χ^2/NDF : 1431.0/18

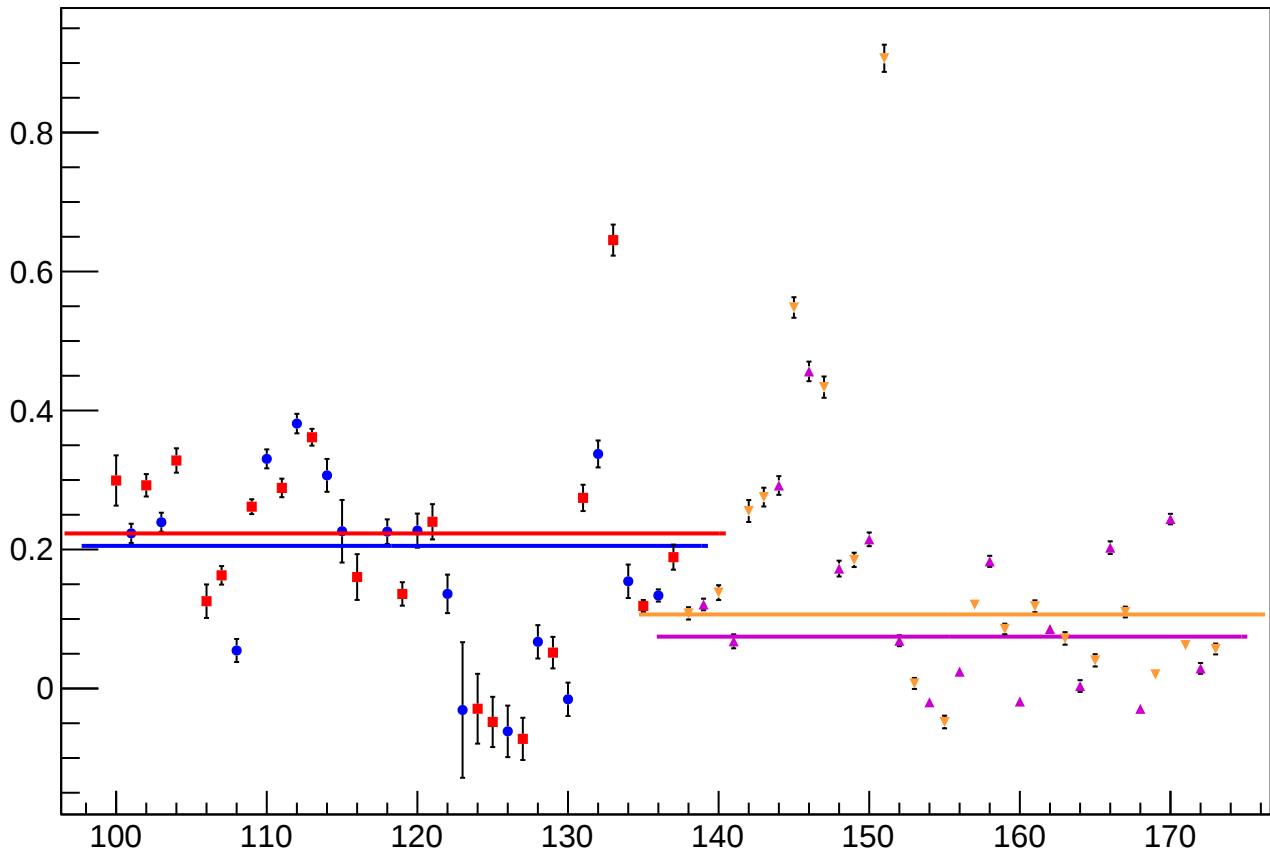
Left In: -2.566 $\pm$ 0.042 χ^2/NDF : 2293.4/16

+ sign -2.688 $\pm$ 0.039 χ^2/NDF : 4226.1/35

All: -2.488 $\pm$ 0.026 χ^2/NDF : 8121.2/71

- sign -2.318 $\pm$ 0.036 χ^2/NDF : 3846.5/35

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.107 ± 0.002 χ^2/NDF : 4088.2/18

Right Out: 0.223 ± 0.004 χ^2/NDF : 1040.5/18

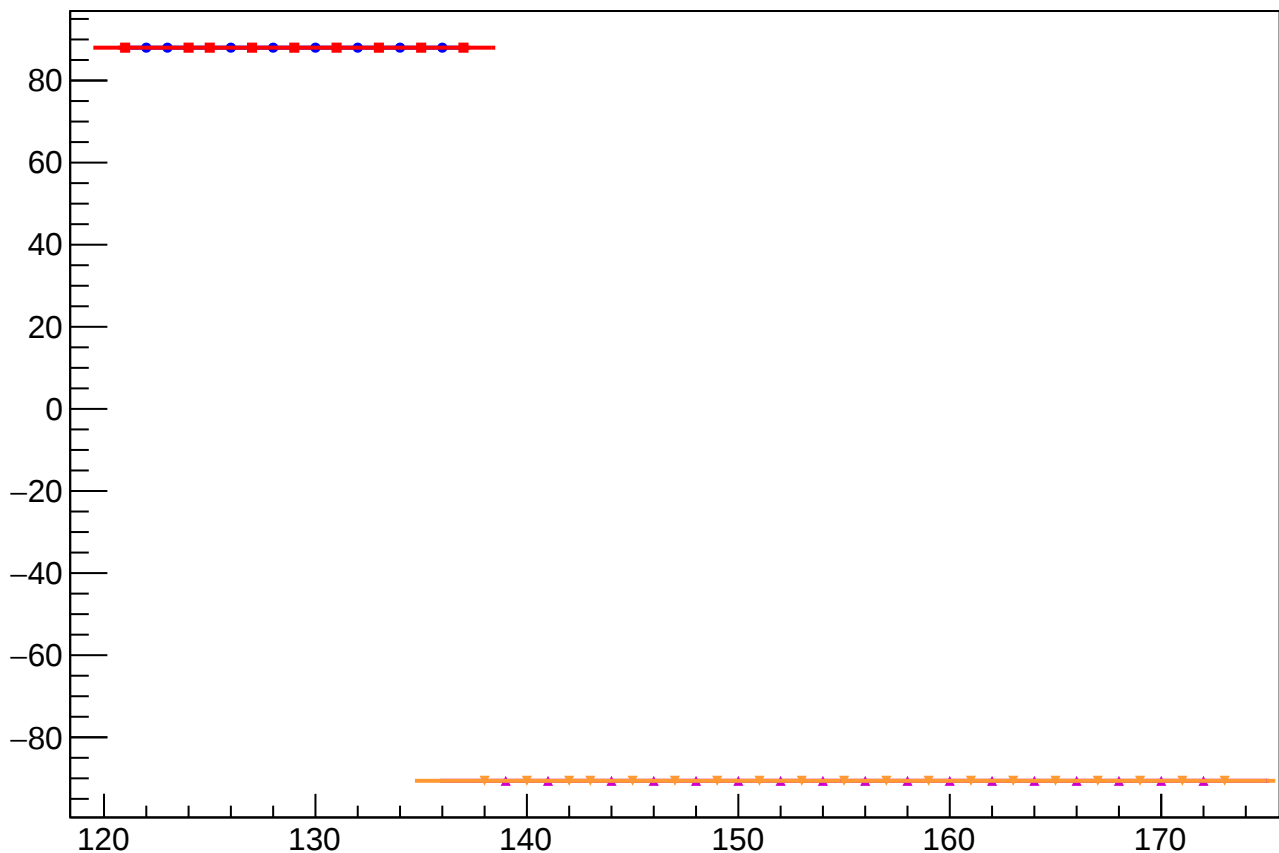
Left In: 0.075 ± 0.002 χ^2/NDF : 3219.8/16

+ sign 0.125 ± 0.002 χ^2/NDF : 5170.0/35

All: 0.113 ± 0.001 χ^2/NDF : 10725.7/71

- sign 0.103 ± 0.002 χ^2/NDF : 5473.5/35

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 5155540.5/18

Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

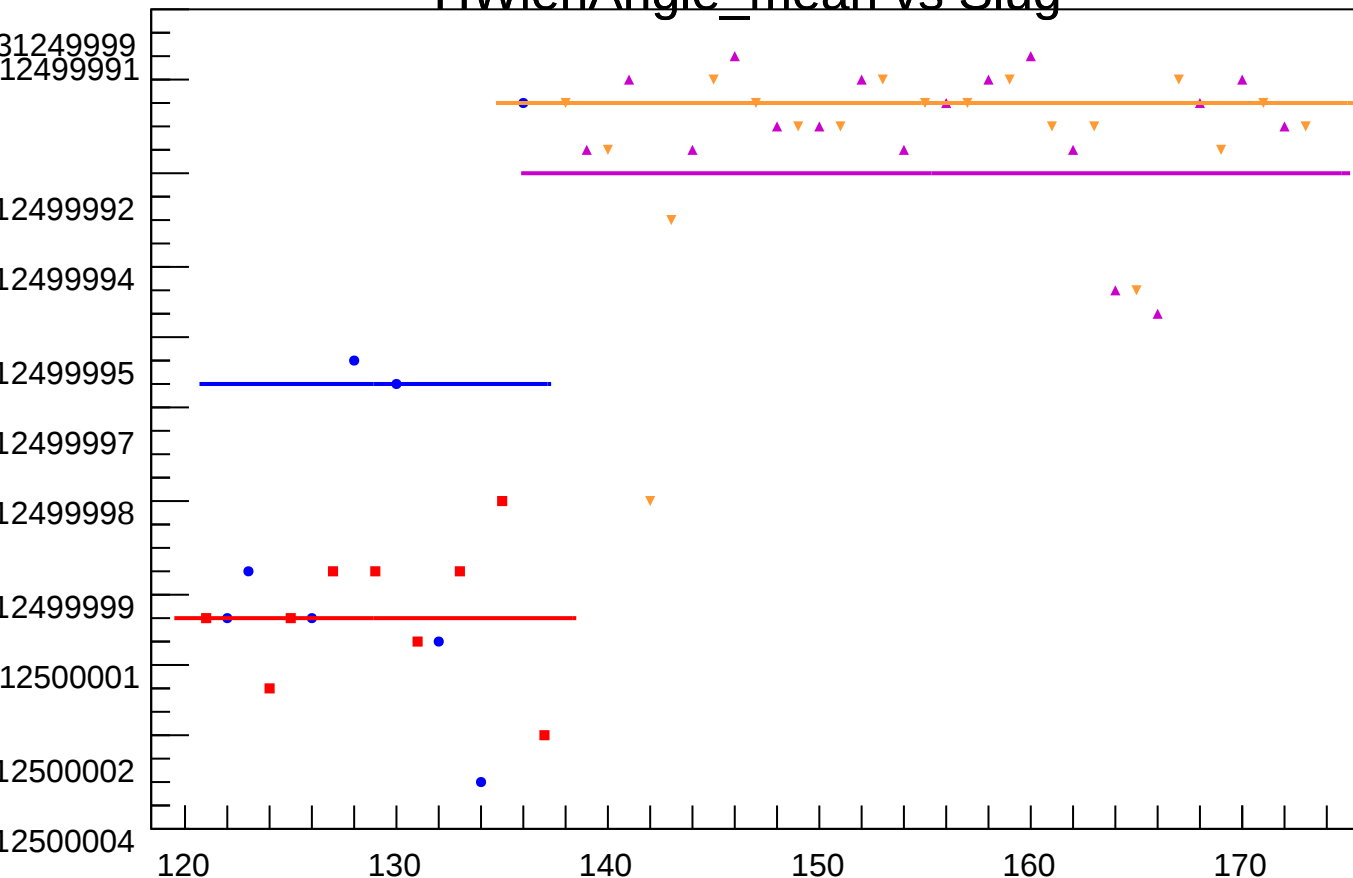
Left In: -90.599+/-0.000 χ^2/NDF : 5092734.5/16

+ sign -56.909+/-0.000 χ^2/NDF : 885123525246551

All: -56.869+/-0.000 χ^2/NDF : 171025833939

- sign -56.827+/-0.000 χ^2/NDF : 8251342359407217

HWienAngle_mean vs Slug



Right In: -29.641 ± 0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641 ± 0.000 χ^2/NDF : 256613.3/18

Right Out: -29.641 ± 0.000 χ^2/NDF : 29358.2/8

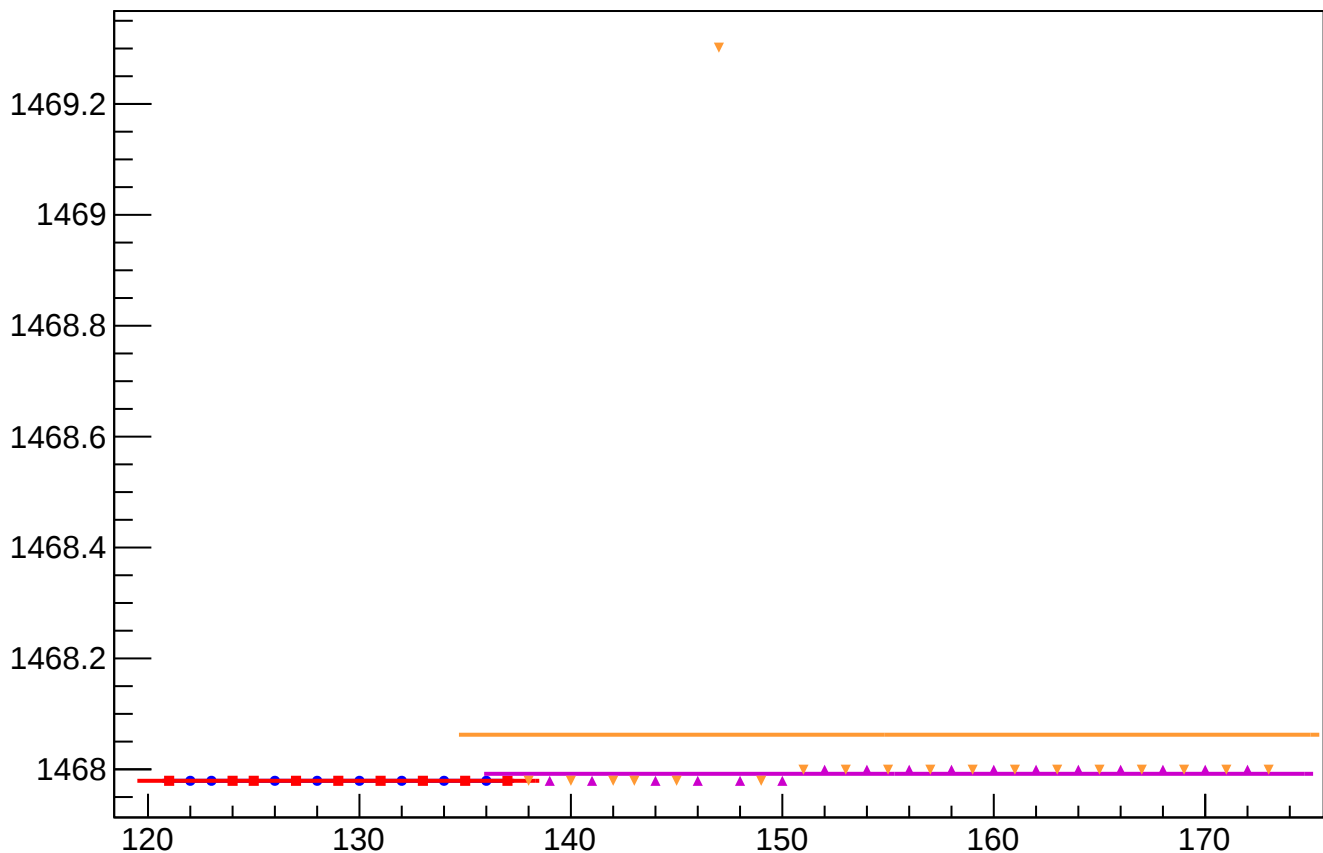
Left In: -29.641 ± 0.000 χ^2/NDF : 202251.3/16

+ sign -29.641 ± 0.000 χ^2/NDF : 1148568.9/26

All: -29.641 ± 0.000 χ^2/NDF : 2622602.8/52

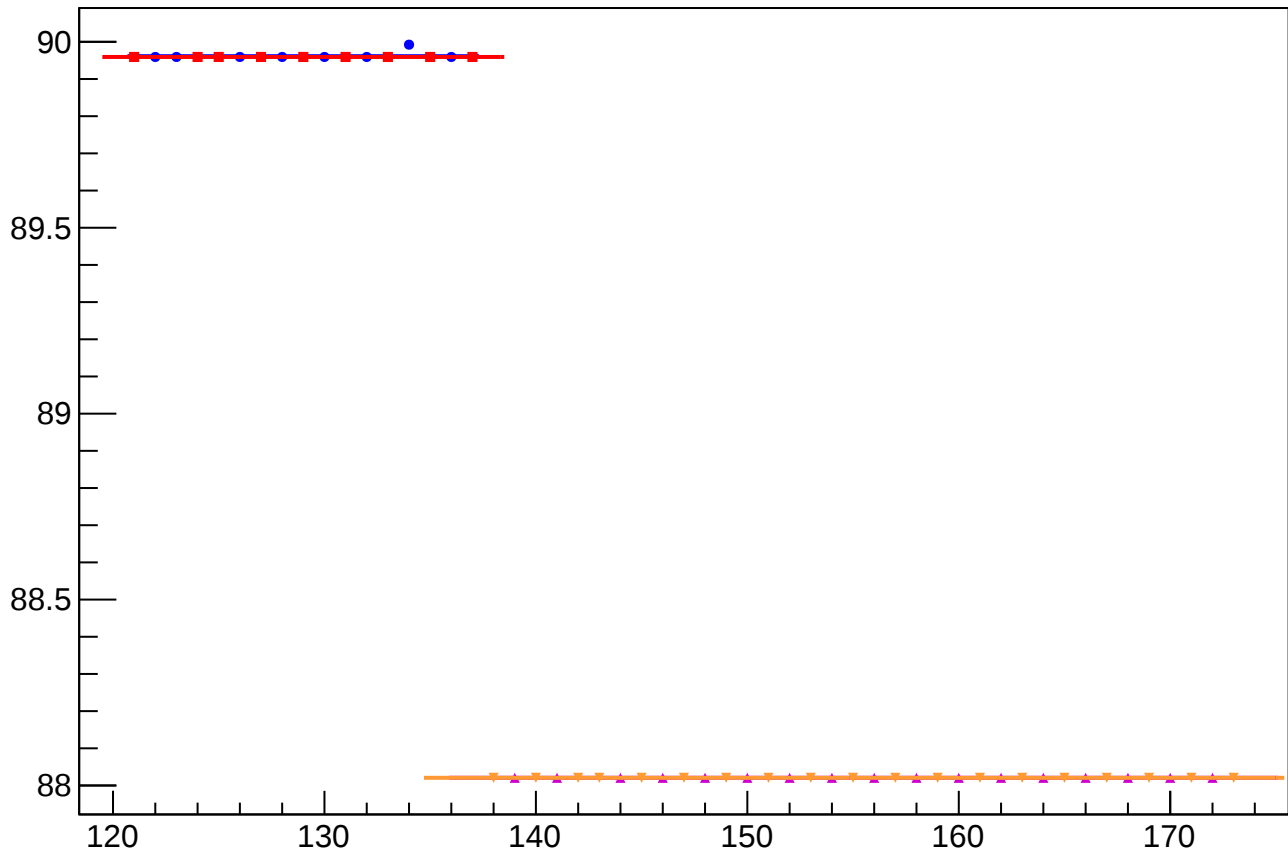
- sign -29.641 ± 0.000 χ^2/NDF : 1944283.4/25

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000	χ^2/NDF : 436234375.5/7	+ sign 1468.047+/-0.000	χ^2/NDF : 12850524001328
Left Out: 1468.062+/-0.000	χ^2/NDF : 126589253935792291724884541702144.0/18	All: 1468.019+/-0.000	χ^2/NDF : 13153310420
Right Out: 1467.979+/-0.000	χ^2/NDF : 83183350.3/8	- sign 1467.990+/-0.000	χ^2/NDF : 16861884997840
Left In: 1467.992+/-0.000	χ^2/NDF : 127535672486177554314249109504.0/16		

Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 4616944.1/18

Right Out: 89.959+/-0.000 χ^2/NDF : 331397.3/8

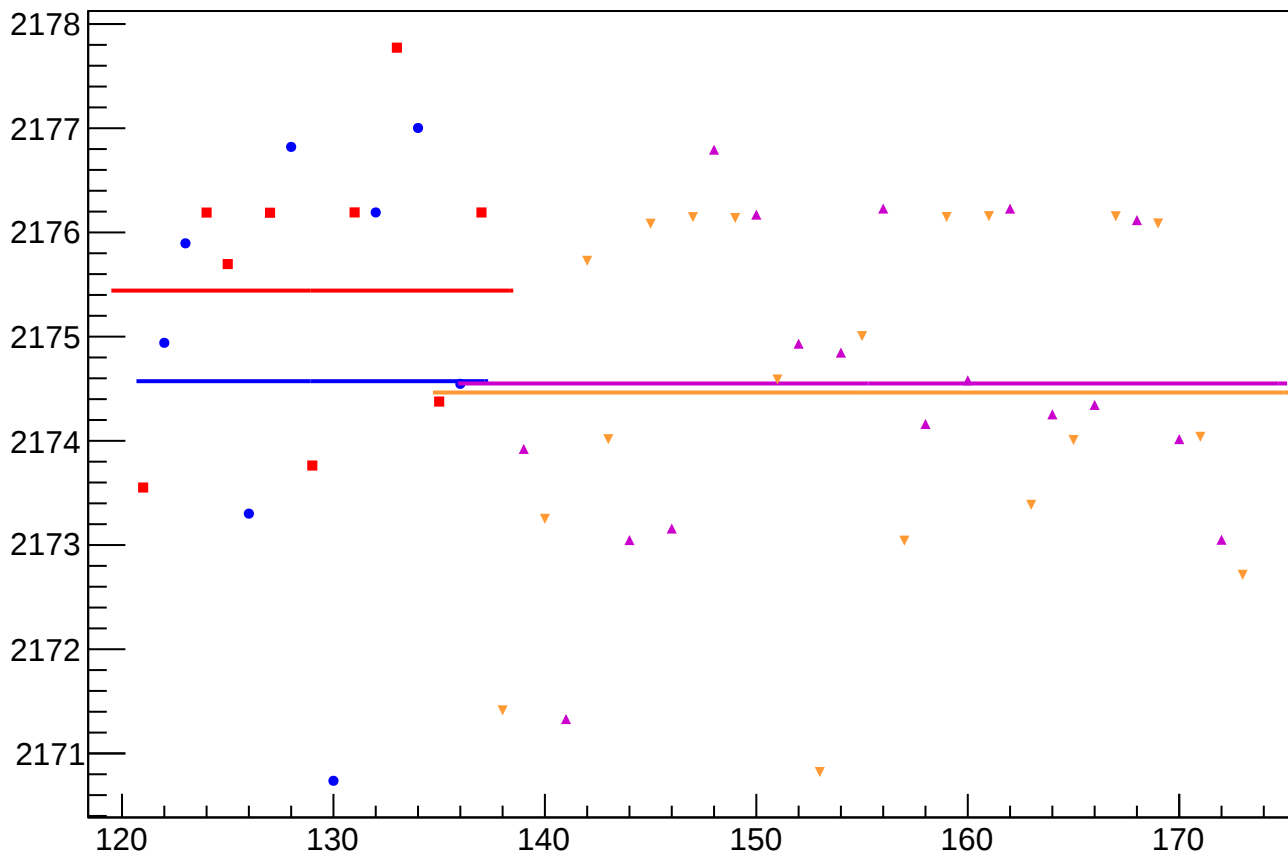
Left In: 88.021+/-0.000 χ^2/NDF : 4607452.6/16

+ sign 88.387+/-0.000 χ^2/NDF : 1045038535767705

All: 88.387+/-0.000 χ^2/NDF : 2017193306995

- sign 88.387+/-0.000 χ^2/NDF : 9721545526570160

HALLA_p_mean vs Slug



Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.464 $\pm$ 0.000 χ^2 /NDF: 4203477433208397333783478685138944.0/18

Right Out: 2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

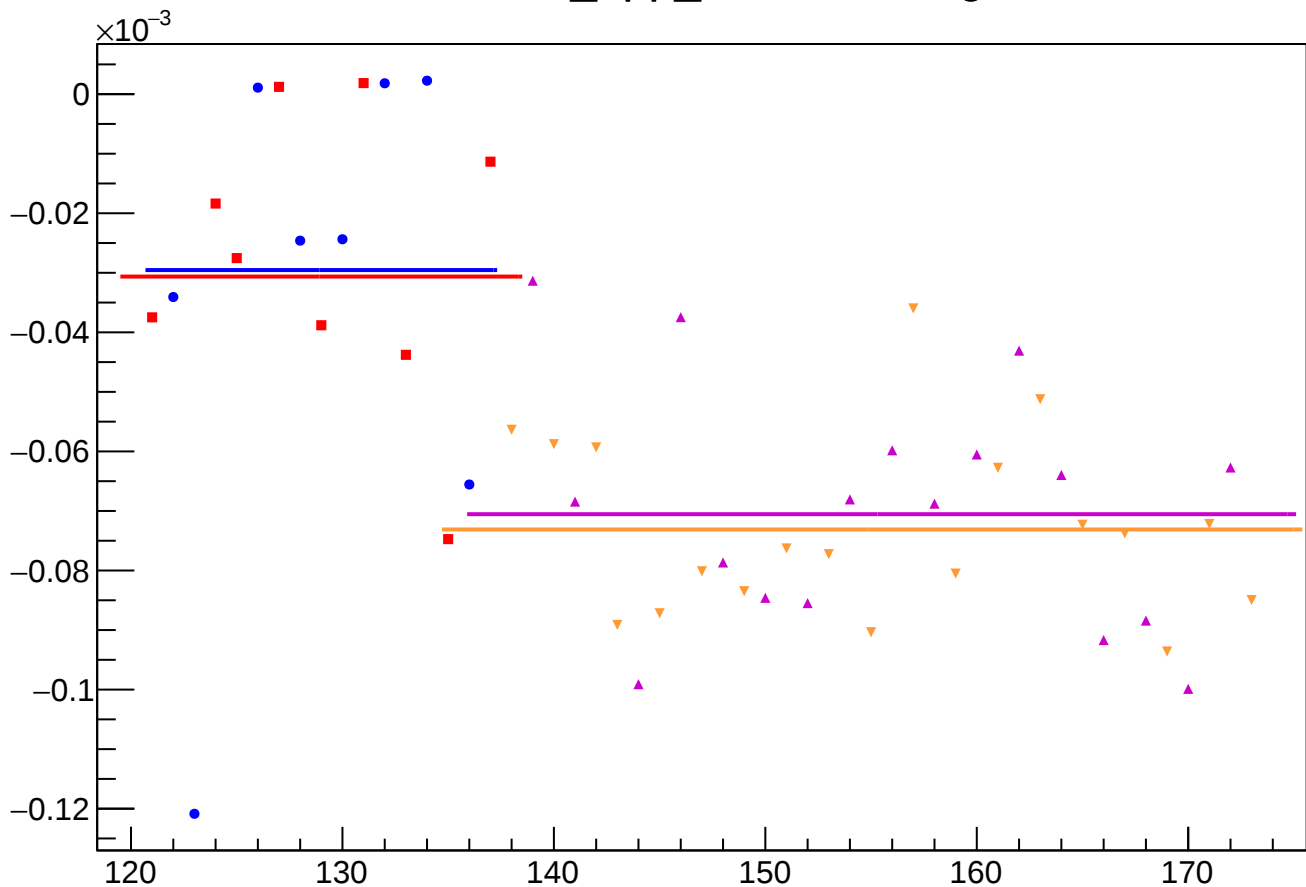
Left In: 2174.551 $\pm$ 0.000 χ^2 /NDF: 2817186094952064124325174219636736.0/16

+ sign 2174.484 $\pm$ 0.000 χ^2 /NDF: 55670227211571

All: 2174.597 $\pm$ 0.000 χ^2 /NDF: 92487303836

- sign 2174.719 $\pm$ 0.000 χ^2 /NDF: 36335013501806

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2/NDF : 327633234110087895711744.0/18

Right Out: -0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

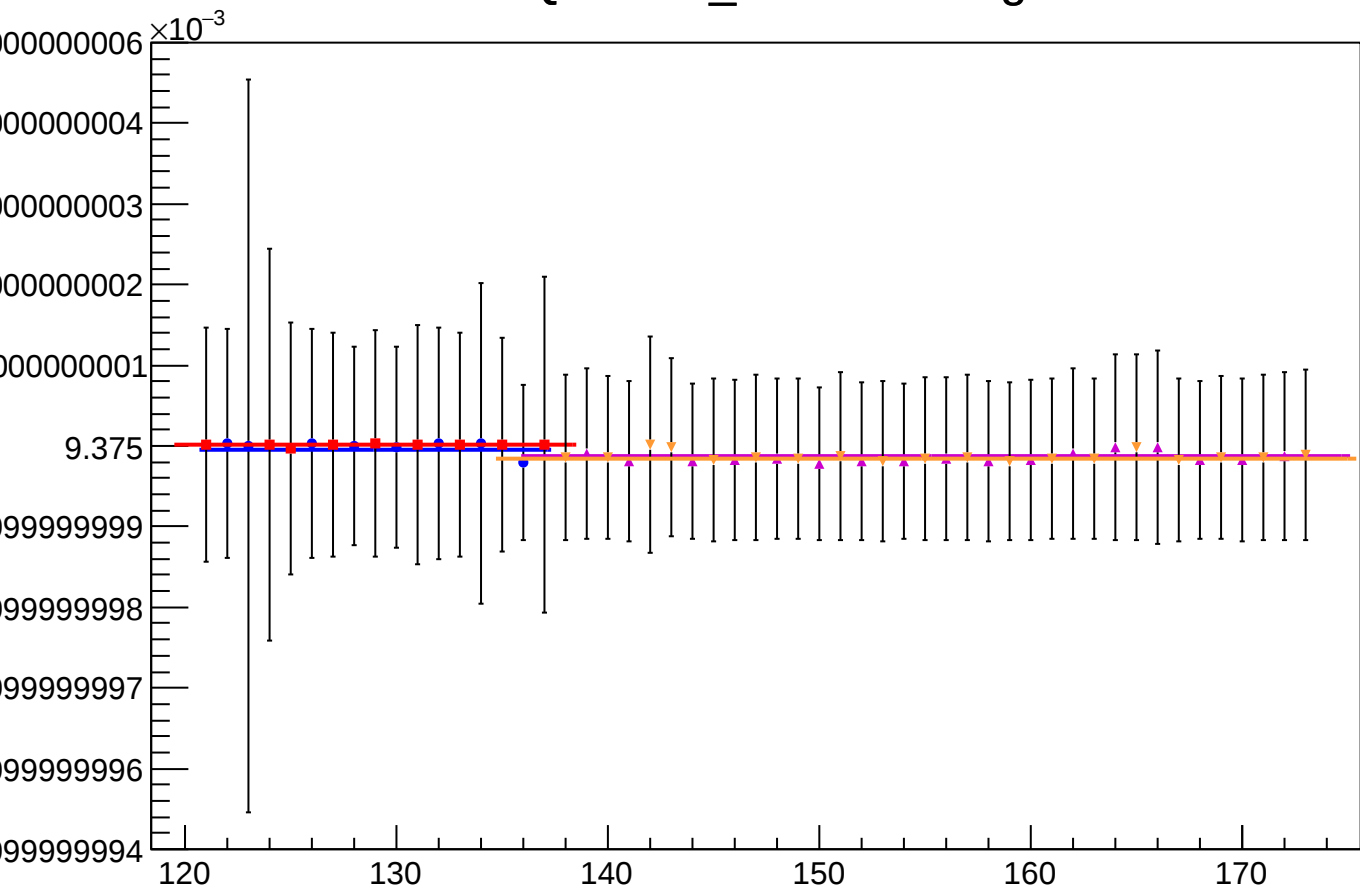
Left In: -0.000+/-0.000 χ^2/NDF : 525124606031909049335808.0/16

+ sign -0.000+/-0.000 χ^2/NDF : 1104448870260223

All: -0.000+/-0.000 χ^2/NDF : 2241464573288

- sign -0.000+/-0.000 χ^2/NDF : 11338764609752553

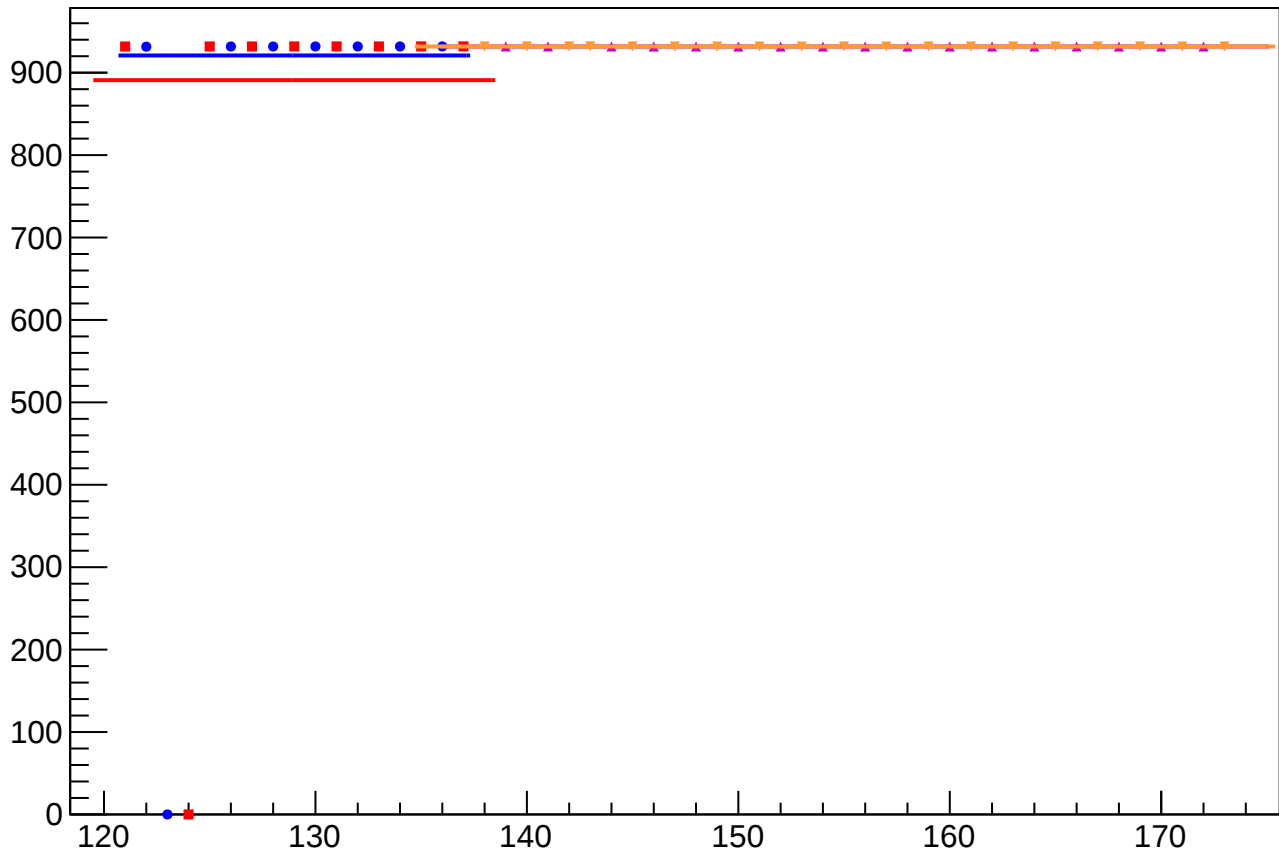
MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7
 Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/18
 Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8
 Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/16

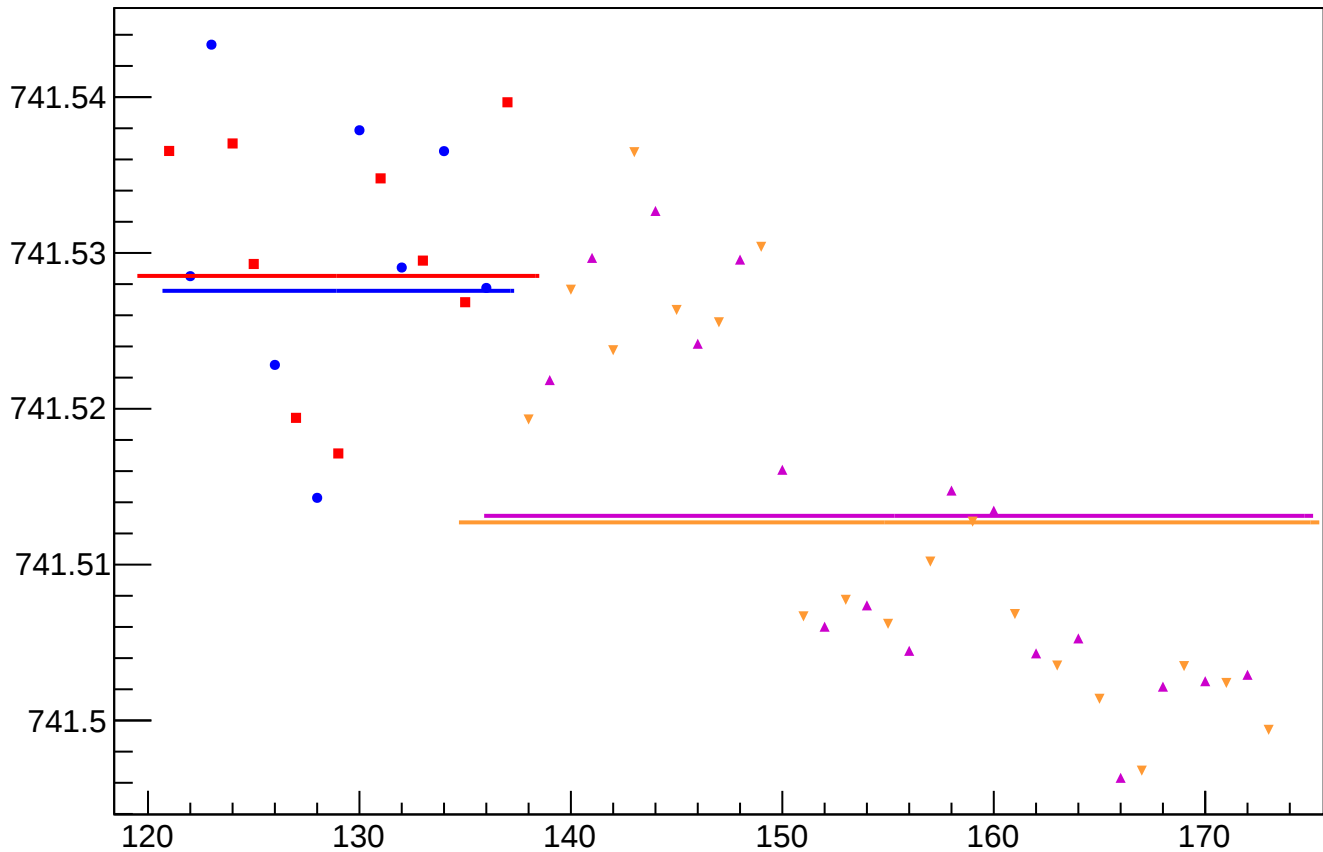
+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/26
 All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/52
 - sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

HacL_Q2_HP3458A_IOUT_mean vs Slug



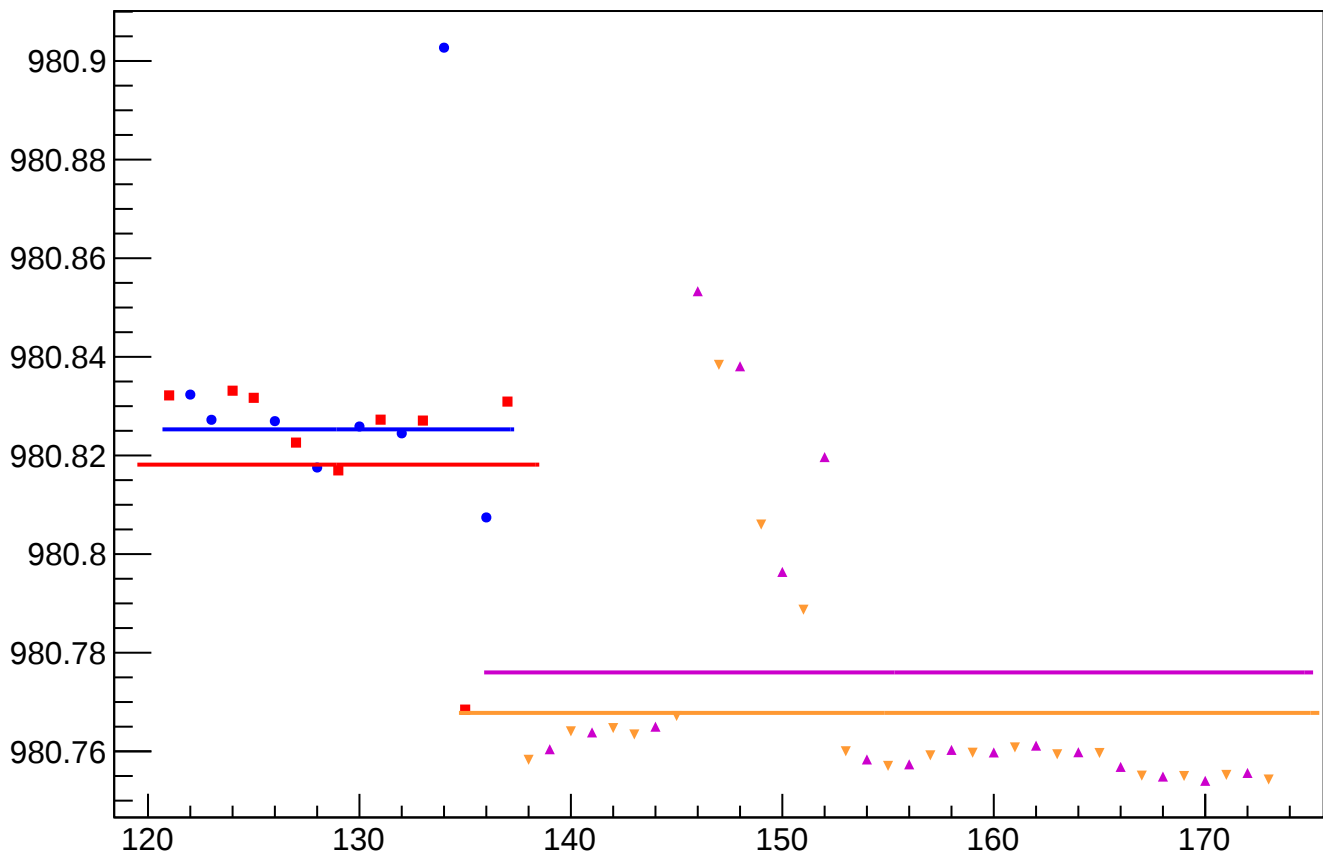
Right In: 920.898 $\pm$ 0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
 Left Out: 931.784 $\pm$ 0.000 χ^2/NDF : 3847520396513277461724122841088.0/18
 Right Out: 890.923 $\pm$ 0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
 Left In: 931.774 $\pm$ 0.000 χ^2/NDF : 3423635193486442519289191727104.0/16

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7
 Left Out: 741.513+/-0.000 χ^2/NDF : 195220028178802004492420120576.0/18
 Right Out: 741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8
 Left In: 741.513+/-0.000 χ^2/NDF : 163634028006503113282012839936.0/16

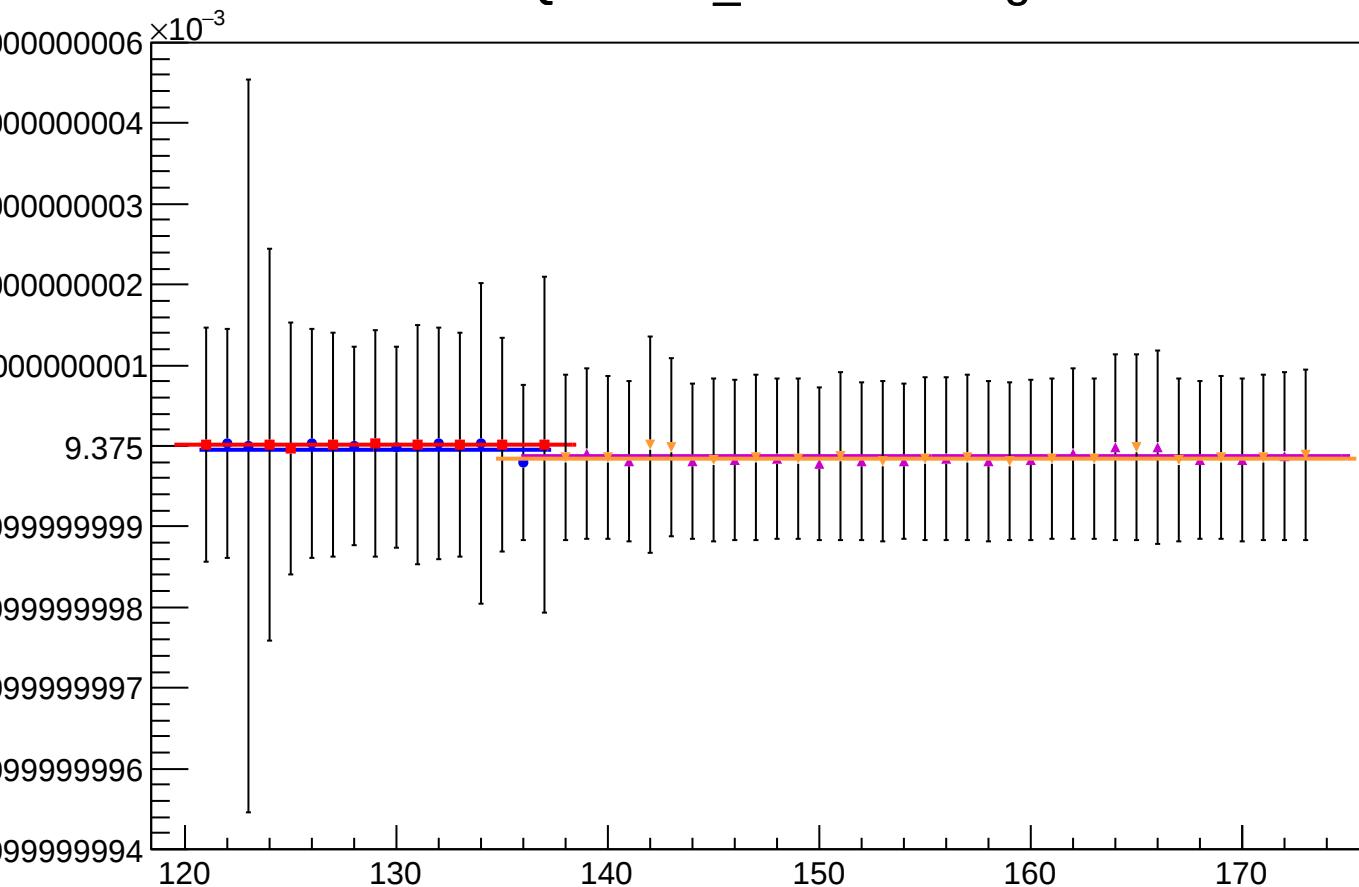
HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825 $\pm$ 0.000 χ^2 /NDF: 159345321268745350954763681792.0/7
 Left Out: 980.768 $\pm$ 0.000 χ^2 /NDF: 647582026782607778089153855488.0/18
 Right Out: 980.818 $\pm$ 0.000 χ^2 /NDF: 143689912167528137563261894656.0/8
 Left In: 980.776 $\pm$ 0.000 χ^2 /NDF: 1326530022484091802509549502464.0/16

+ sign 980.779 $\pm$ 0.000 χ^2 /NDF: 172432531895821
 All: 980.781 $\pm$ 0.000 χ^2 /NDF: 367871894172
 - sign 980.784 $\pm$ 0.000 χ^2 /NDF: 192957782261444

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

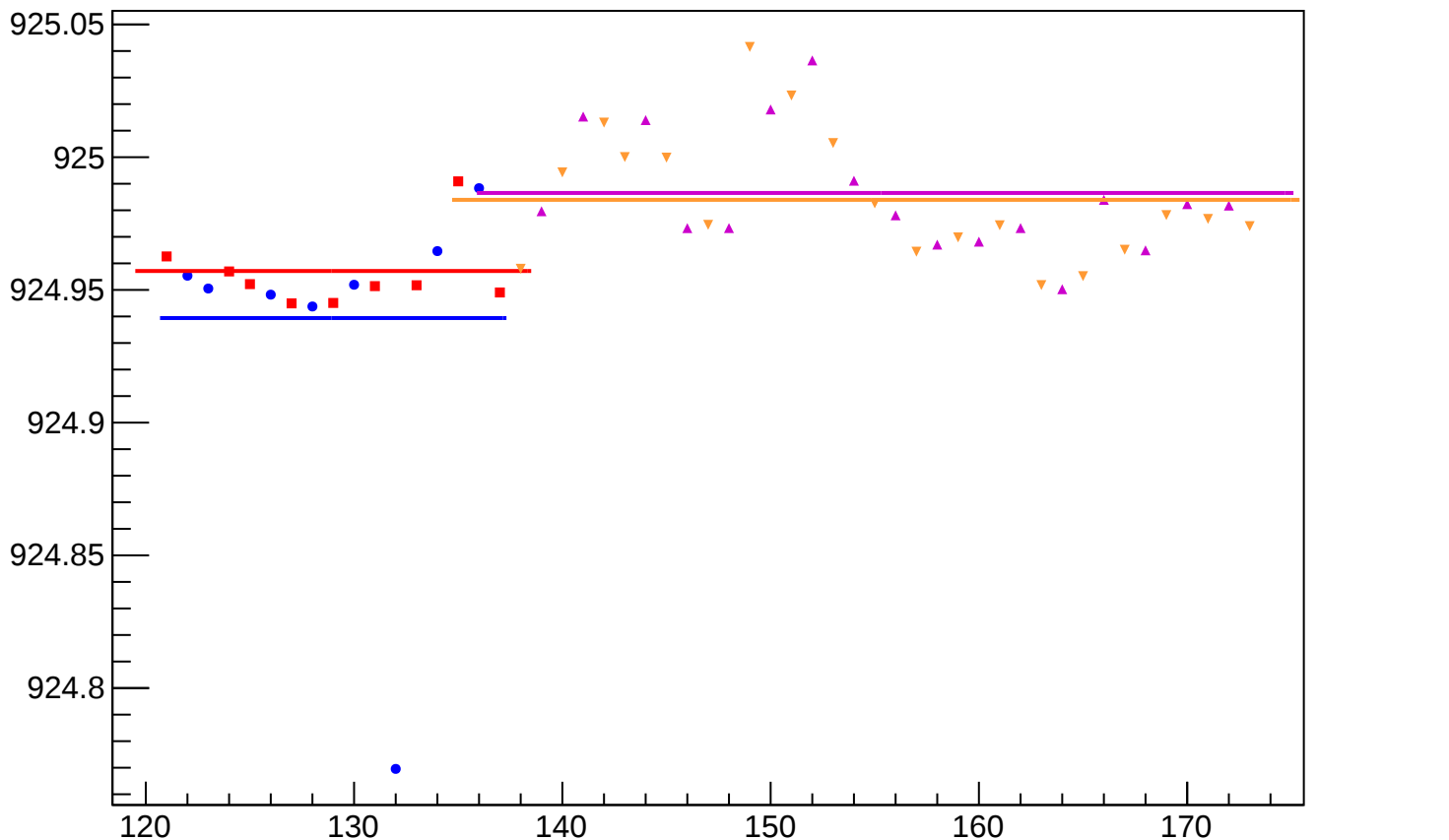
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/26

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/52

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

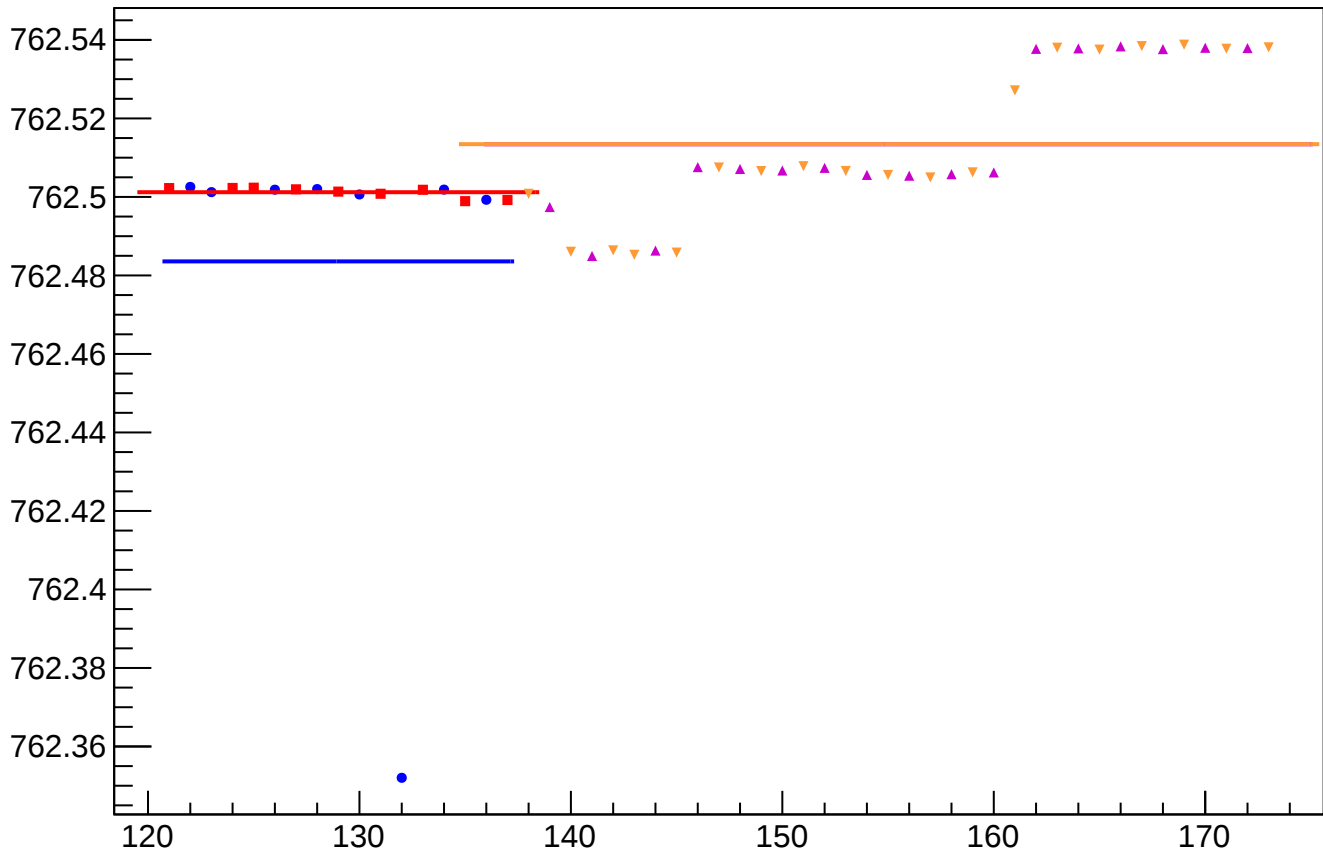
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 $\pm$ 0.000 χ^2 /NDF: 1401458495809517406218388242432.0/7
 Left Out: 924.984 $\pm$ 0.000 χ^2 /NDF: 817812468750365156425284452352.0/18
 Right Out: 924.957 $\pm$ 0.000 χ^2 /NDF: 71808709366506786060310151168.0/8
 Left In: 924.987 $\pm$ 0.000 χ^2 /NDF: 683005645995606135537664000000.0/16

+ sign 924.976 $\pm$ 0.000 χ^2 /NDF: 276945674559639
 All: 924.978 $\pm$ 0.000 χ^2 /NDF: 377365242025
 - sign 924.981 $\pm$ 0.000 χ^2 /NDF: 978415023030557

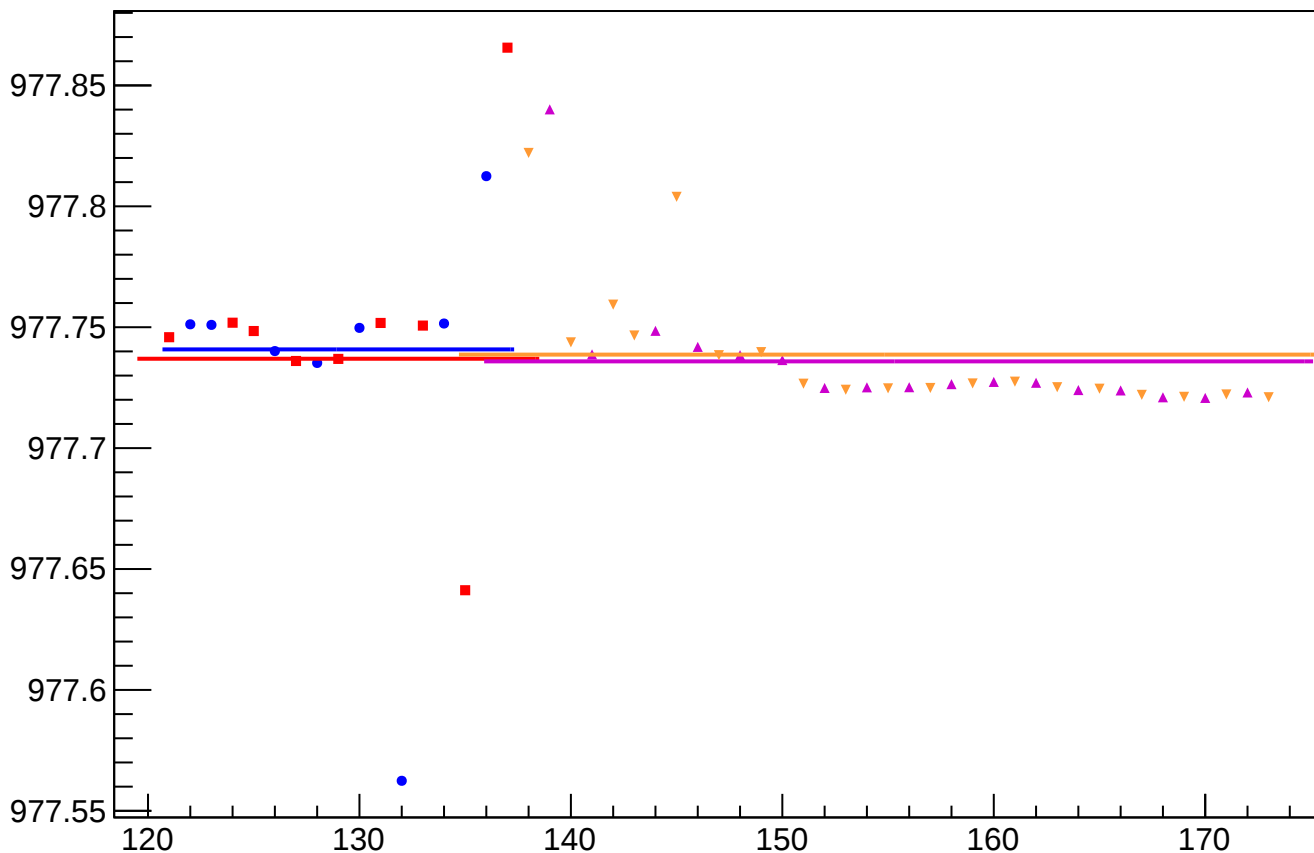
HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484 $\pm$ 0.000 χ^2 /NDF: 784430761251084401798891438080.0/7
 Left Out: 762.513 $\pm$ 0.000 χ^2 /NDF: 548932680716171093293781745664.0/18
 Right Out: 762.501 $\pm$ 0.000 χ^2 /NDF: 469794702848036819563446272.0/8
 Left In: 762.513 $\pm$ 0.000 χ^2 /NDF: 448718493842171913033146695680.0/16

+ sign 762.508 $\pm$ 0.000 χ^2 /NDF: 158090718656695
 All: 762.509 $\pm$ 0.000 χ^2 /NDF: 207809337087
 - sign 762.511 $\pm$ 0.000 χ^2 /NDF: 487721363586025

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741 $\pm$ 0.000 χ^2 /NDF: 1738104571804792841781326643200.0/7

Left Out: 977.739 $\pm$ 0.000 χ^2 /NDF: 1116021609692302556631853432832.0/18

Right Out: 977.737 $\pm$ 0.000 χ^2 /NDF: 772313054358211830610902646784.0/8

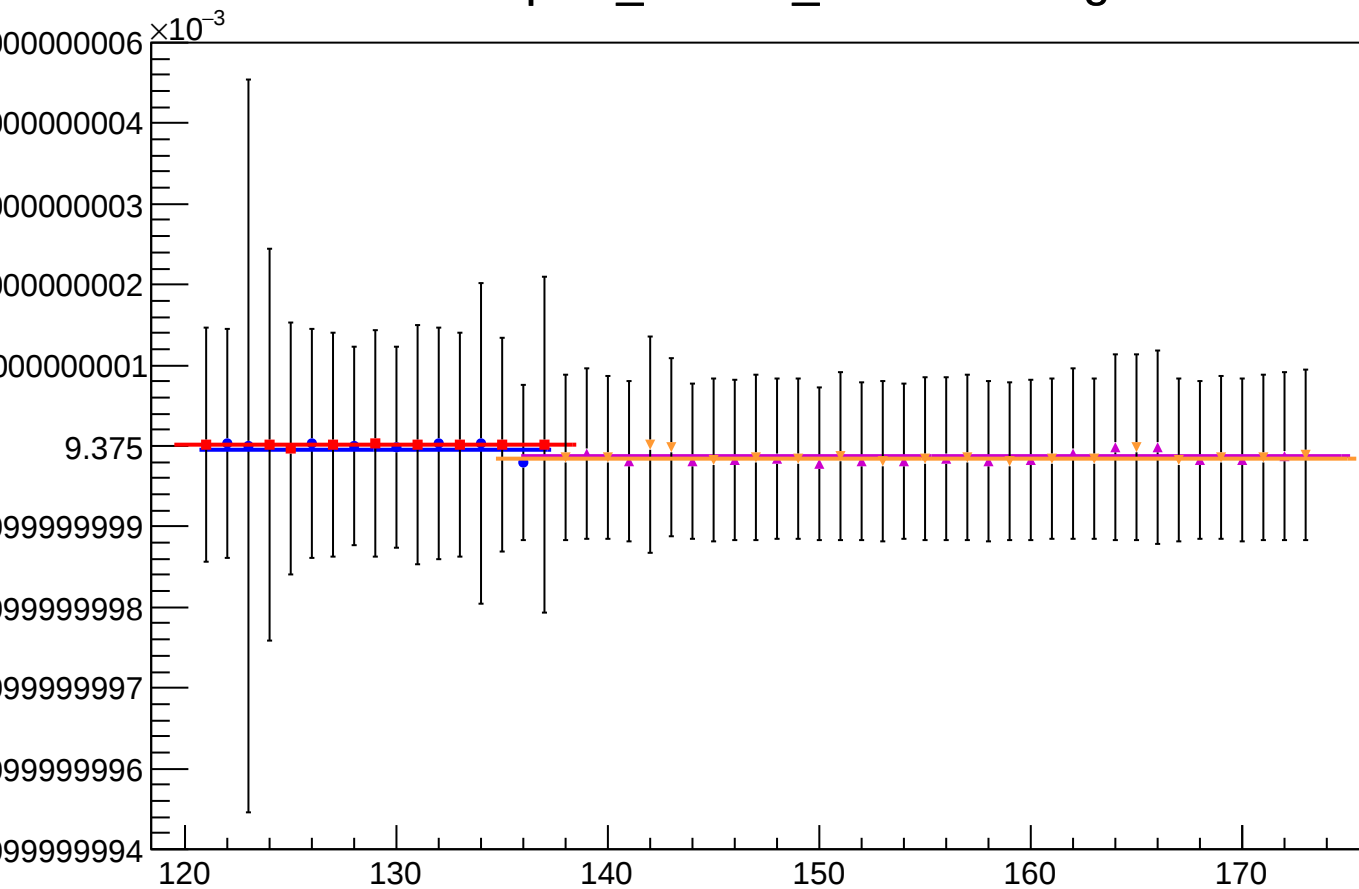
Left In: 977.736 $\pm$ 0.000 χ^2 /NDF: 938770340651615120067913580544.0/16

+ sign 977.739 $\pm$ 0.000 χ^2 /NDF: 285541394007571

All: 977.738 $\pm$ 0.000 χ^2 /NDF: 457465946547

- sign 977.736 $\pm$ 0.000 χ^2 /NDF: 171138928147400

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

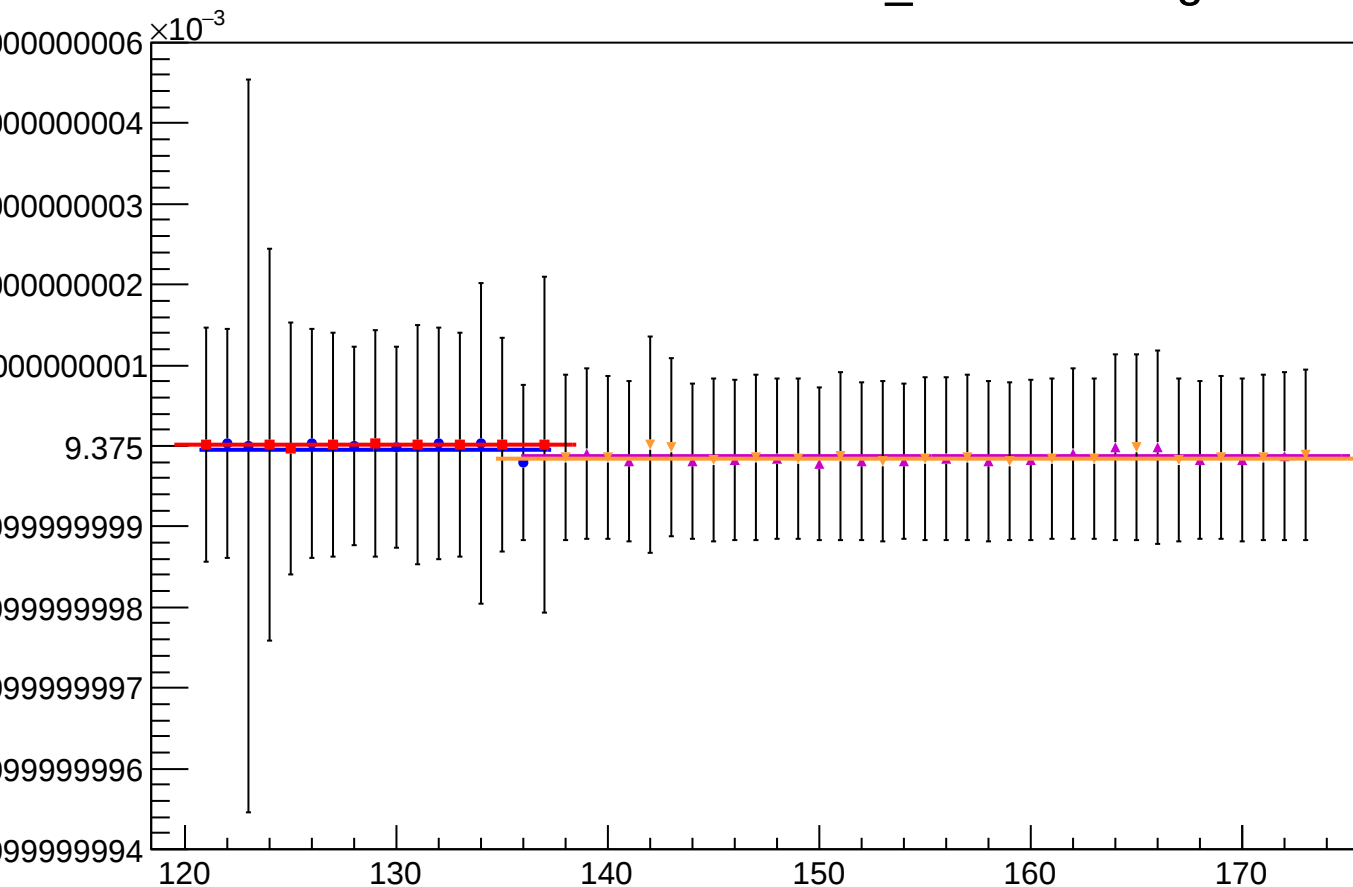
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/26

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/52

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

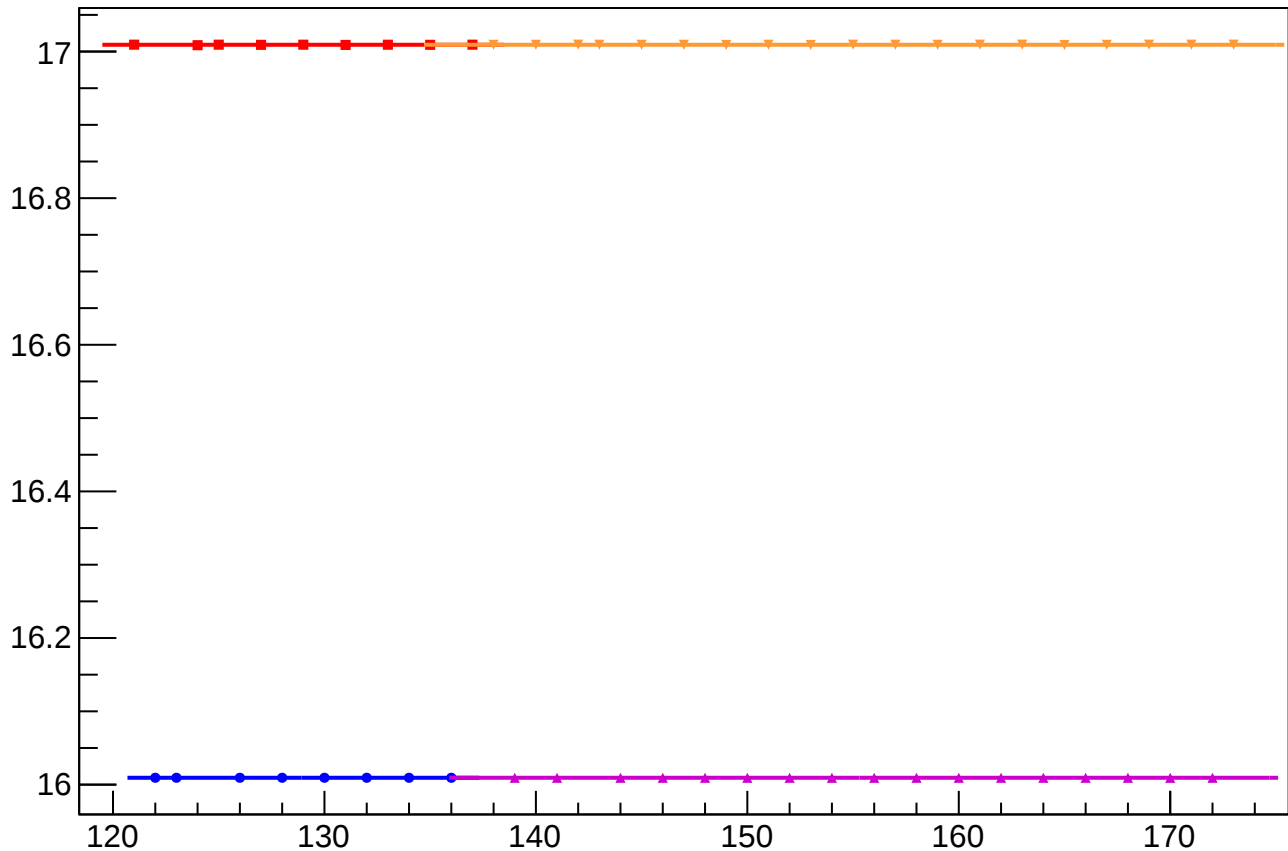
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/26

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/52

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 30506.8/7$

Left Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 21945445203620096039190528.0/18$

Right Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 8333578329558812540796928.0/8$

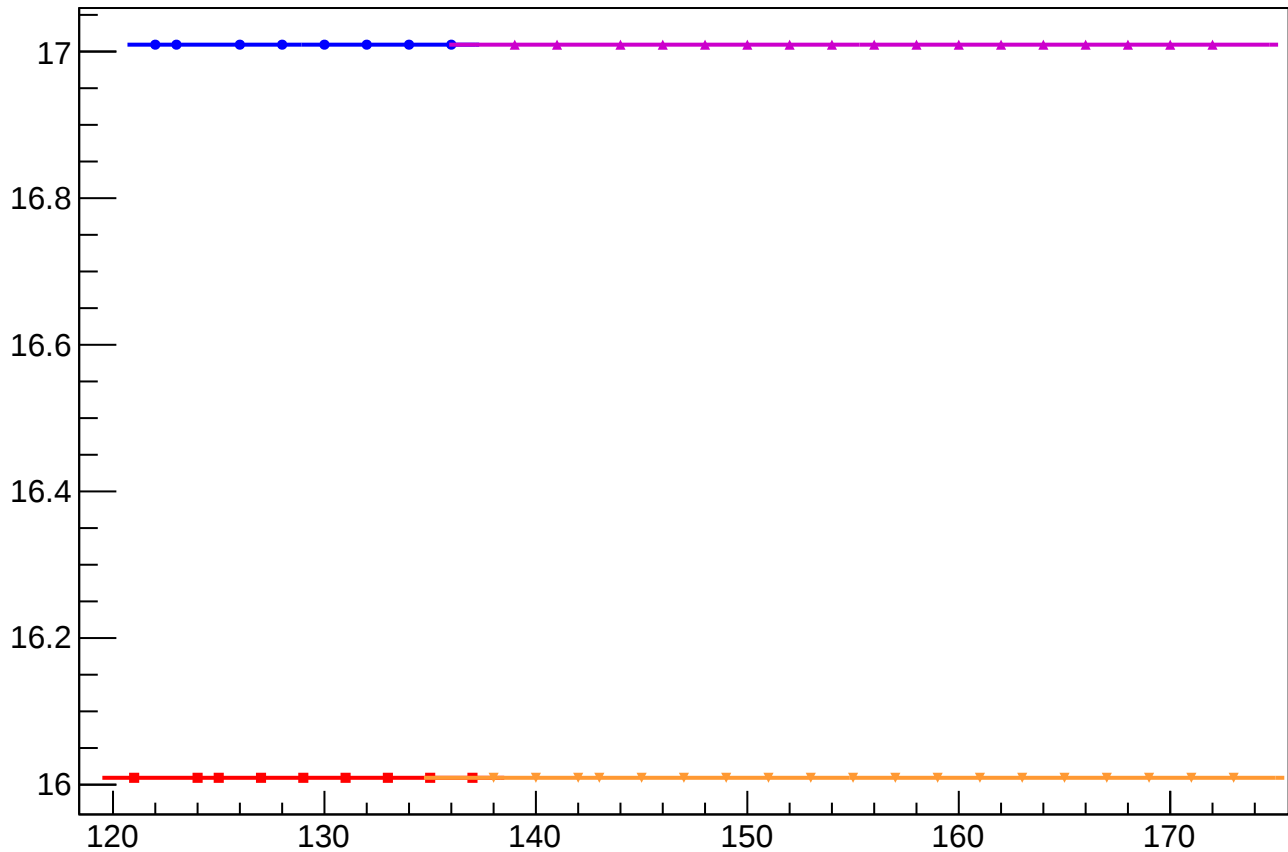
Left In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 126061921088128723976192.0/16$

+ sign 16.820 ± 0.000 $\chi^2/\text{NDF}: 2561068787628321$

All: 16.521 ± 0.000 $\chi^2/\text{NDF}: 8086385429454$

- sign 16.202 ± 0.000 $\chi^2/\text{NDF}: 2437697990635628$

IGL1I00OD16_16_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 55371.7/18

Right Out: 16.009 $\pm$ 0.000 χ^2/NDF : 17859.8/8

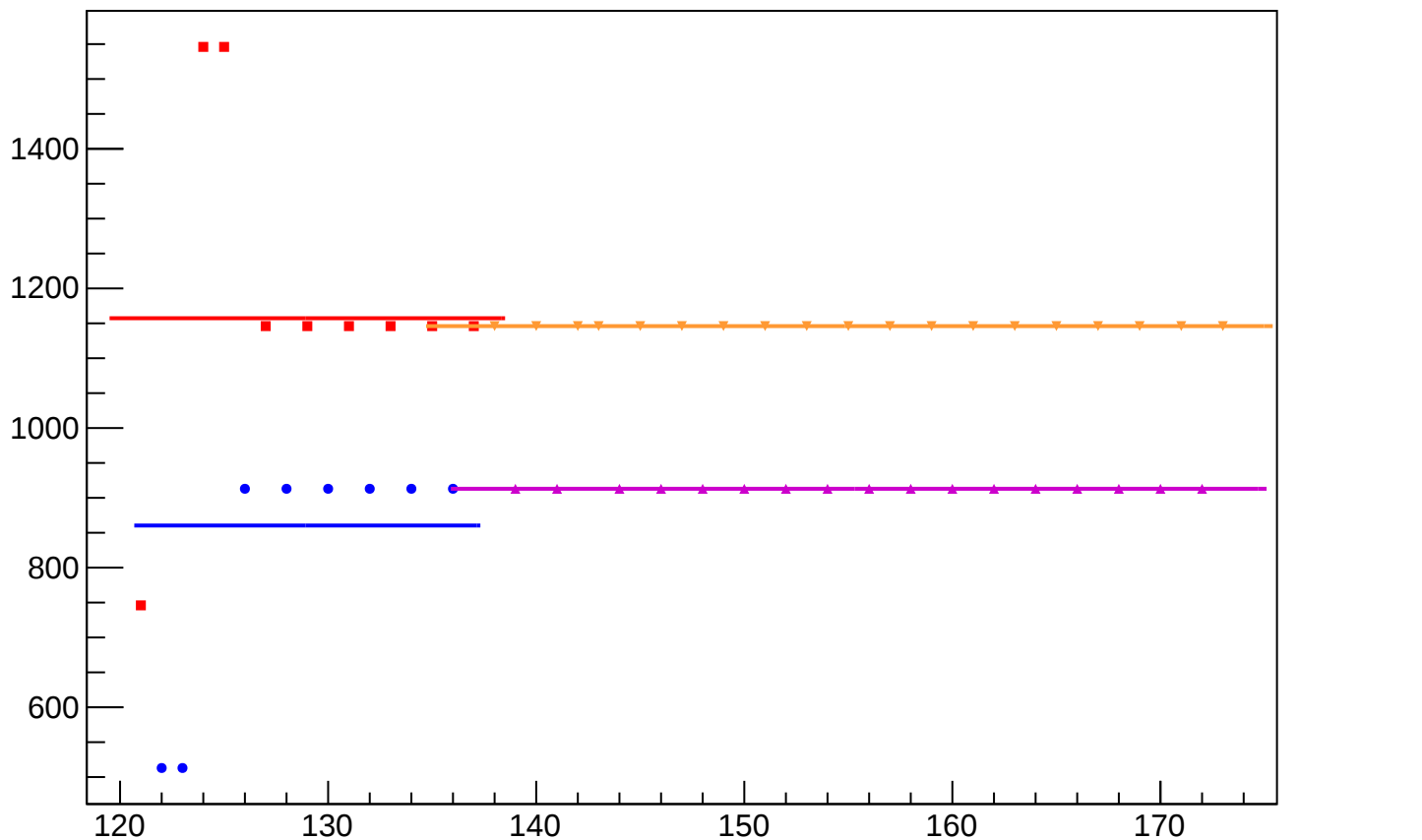
Left In: 17.009 $\pm$ 0.000 χ^2/NDF : 113286352833222811844608.0/16

+ sign 16.200 $\pm$ 0.000 χ^2/NDF : 2768752783964315

All: 16.497 $\pm$ 0.000 χ^2/NDF : 8636739714078

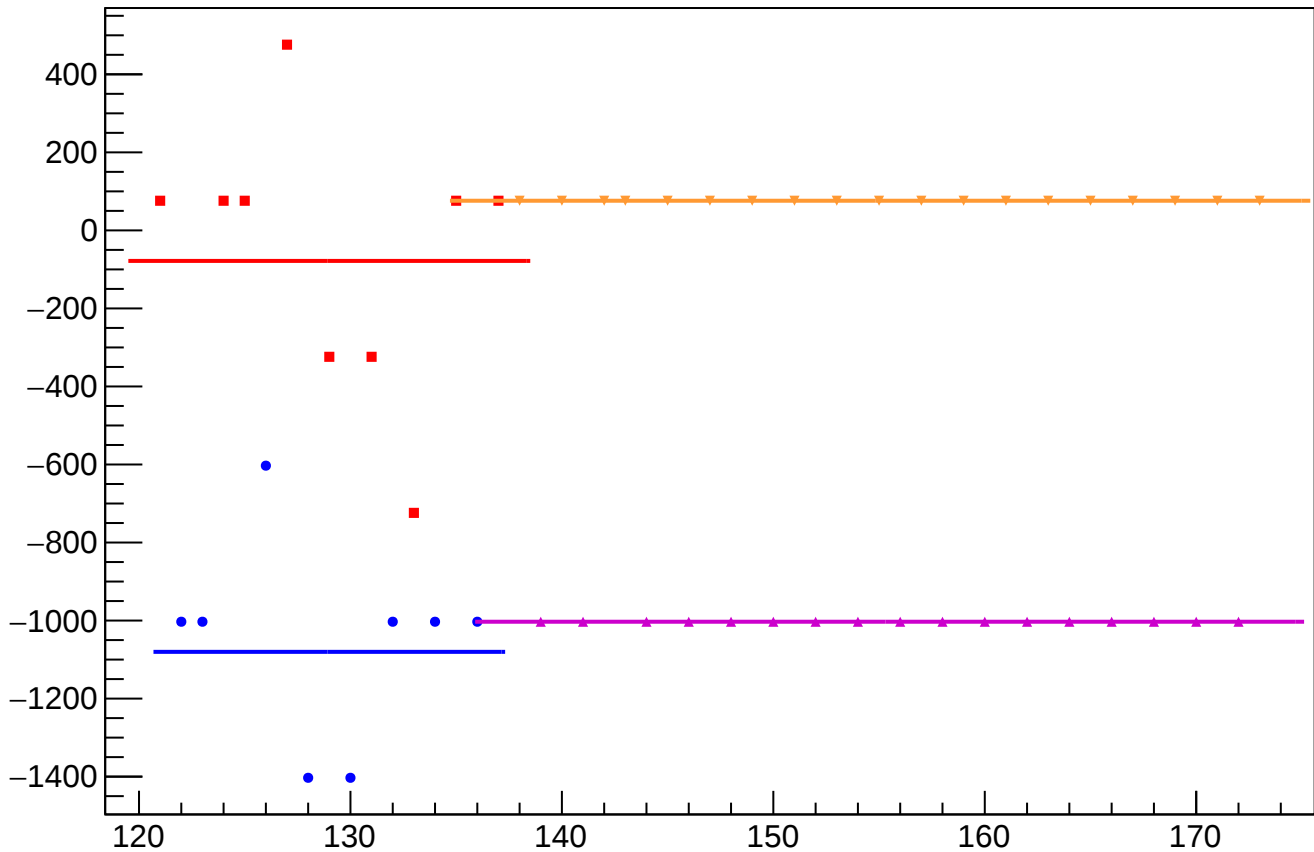
- sign 16.817 $\pm$ 0.000 χ^2/NDF : 2577338991212832

RTPAPOSUCNT_mean vs Slug



Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7
 Left Out: 1146.011+/-0.000 χ^2/NDF : 4446330951338297299870679040.0/18
 Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8
 Left In: 912.995+/-0.000 χ^2/NDF : 18210664974895391732131692544.0/16
 All: 1028.051+/-0.000 χ^2/NDF : 73656314149
 + sign 1092.127+/-0.000 χ^2/NDF : 28894480890711
 - sign 959.190+/-0.000 χ^2/NDF : 293187249393311

RTPAPOSVCNT_mean vs Slug



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7
 Left Out: 76.011+/-0.000 χ^2/NDF : 10021231491460636010419847168.0/18
 Right Out: -78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: -1002.990+/-0.000 χ^2/NDF : 2042253189291631827797147648.0/16
 All: -472.758+/-0.000 χ^2/NDF : 10646887278
 + sign -142.090+/-0.000 χ^2/NDF : 39258013931264
 - sign -828.123+/-0.000 χ^2/NDF : 26083153927999