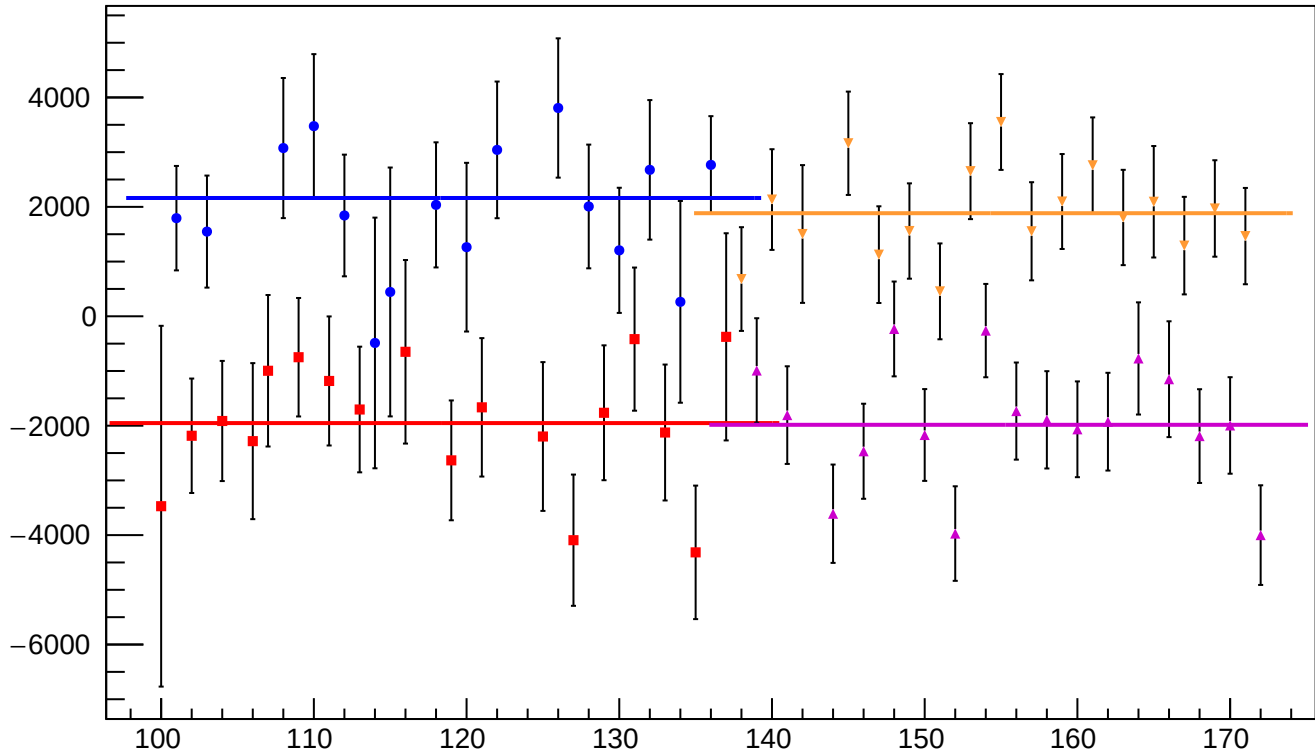


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1884.207+/-220.651

χ^2/NDF : 13.5/16

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 1978.808+/-179.235

χ^2/NDF : 22.9/32

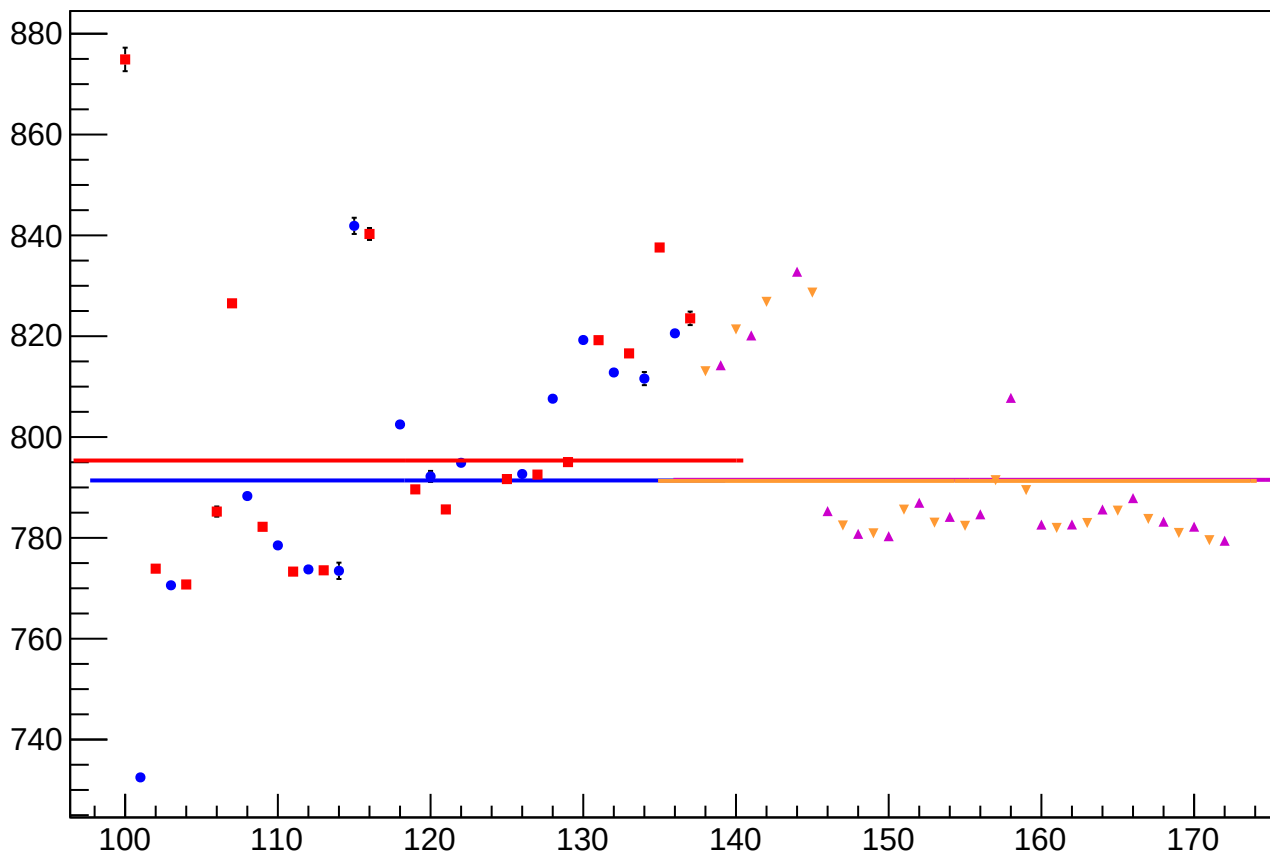
All: -31.508+/-125.628

χ^2/NDF : 308.1/67

- 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: 791.301 $\pm$ 0.156 χ^2 /NDF:10118.6/16

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

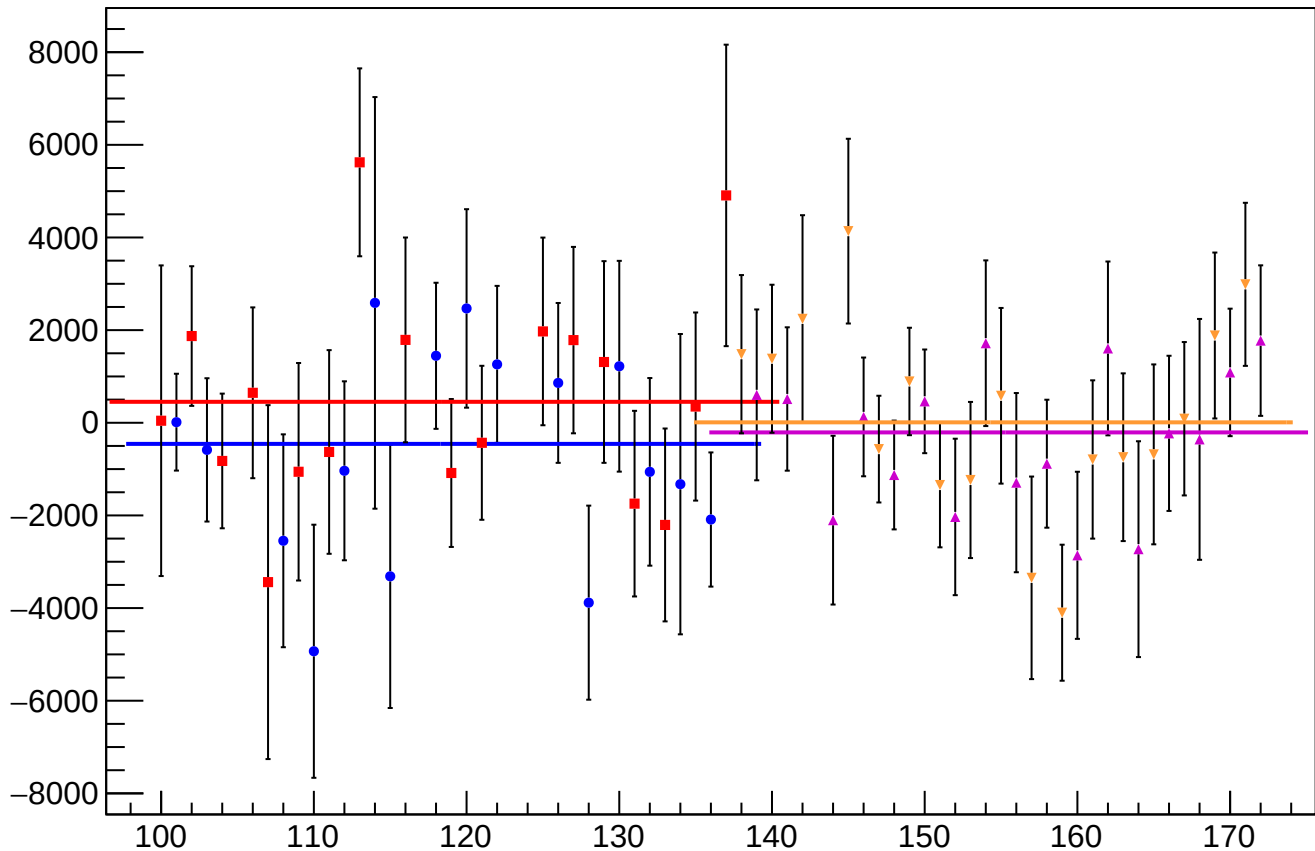
Left In: 791.515 $\pm$ 0.154 χ^2 /NDF:10416.0/16

+ sign 791.332 $\pm$ 0.127 χ^2 /NDF: 25126.9/32

All: 792.094 $\pm$ 0.089 χ^2 /NDF: 47387.0/67

- 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: 9.299 ± 393.705 χ^2/NDF : 23.9/16

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

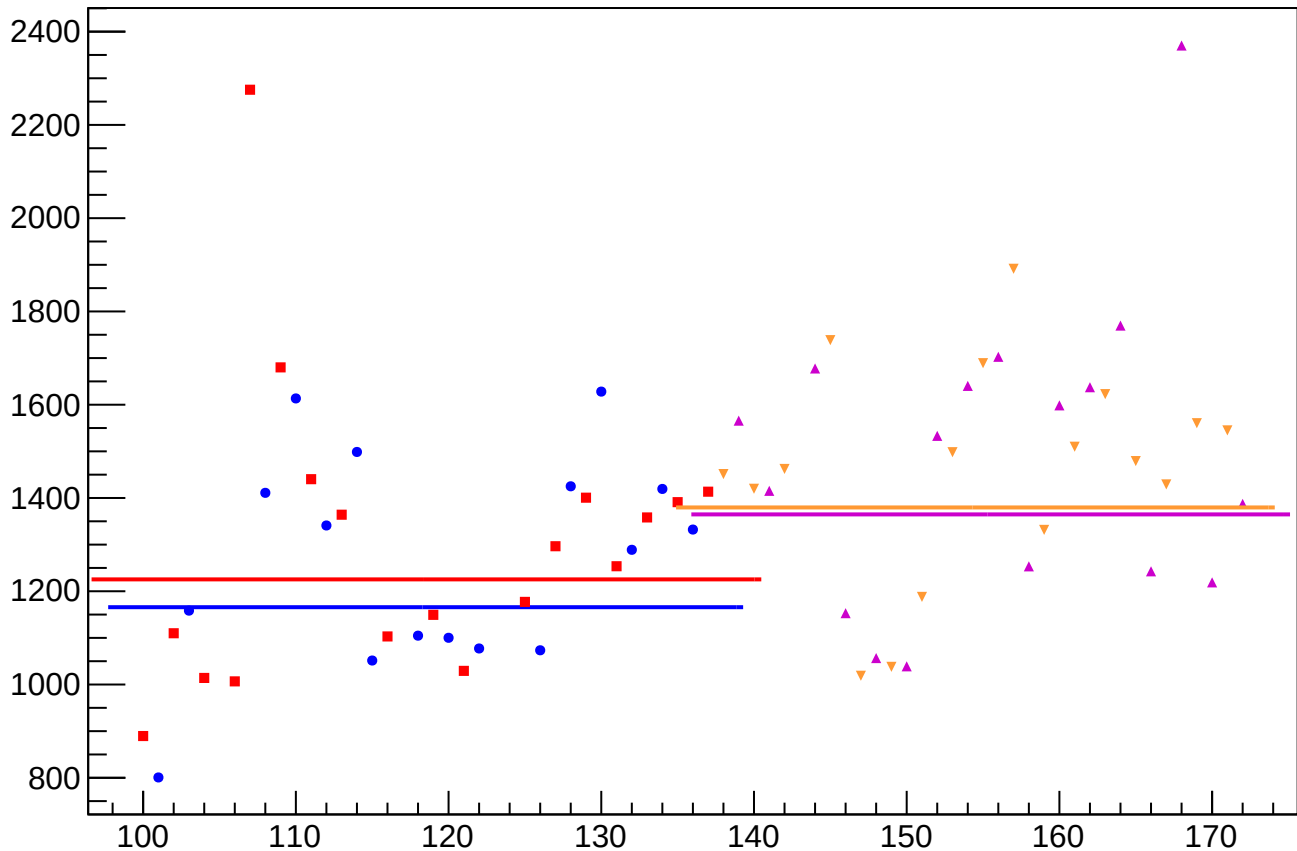
Left In: -207.869 ± 383.857 χ^2/NDF : 12.1/16

+ sign -185.221 ± 300.264 χ^2/NDF : 39.4/32

All: -64.418 ± 211.513 χ^2/NDF : 70.2/67

- 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: 1379.712 $\pm$ 0.278 χ^2 /NDF: 750509.7/16

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

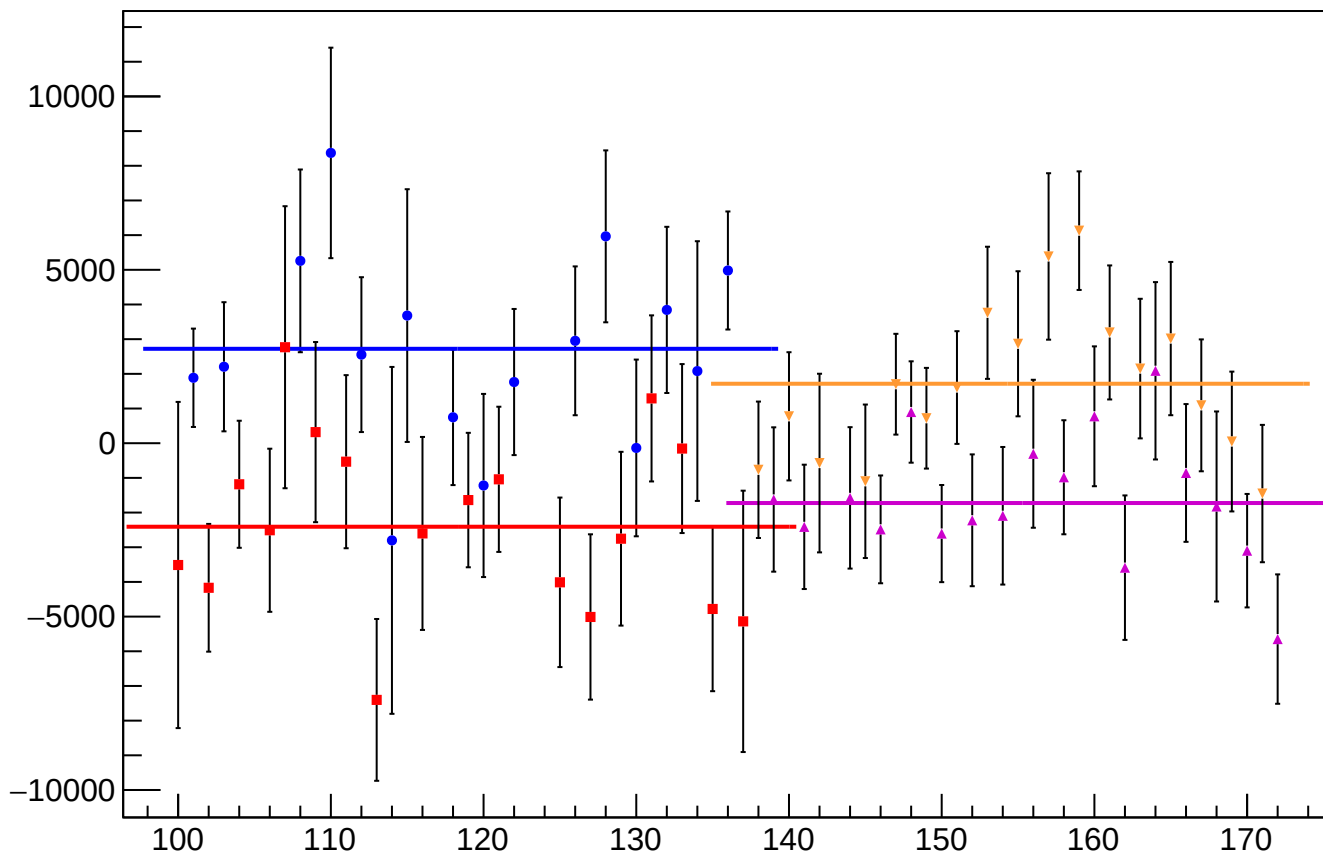
Left In: 1364.800 $\pm$ 0.271 χ^2 /NDF: 1056879.9/16

+ sign 1290.228 $\pm$ 0.212 χ^2 /NDF: 1524283.0/32

All: 1299.903 $\pm$ 0.150 χ^2 /NDF: 3130432.1/67

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

asym_us_avg_mean vs Slug



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

Left Out: 1714.763 $\pm$ 458.870 χ^2 /NDF:19.5/16

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

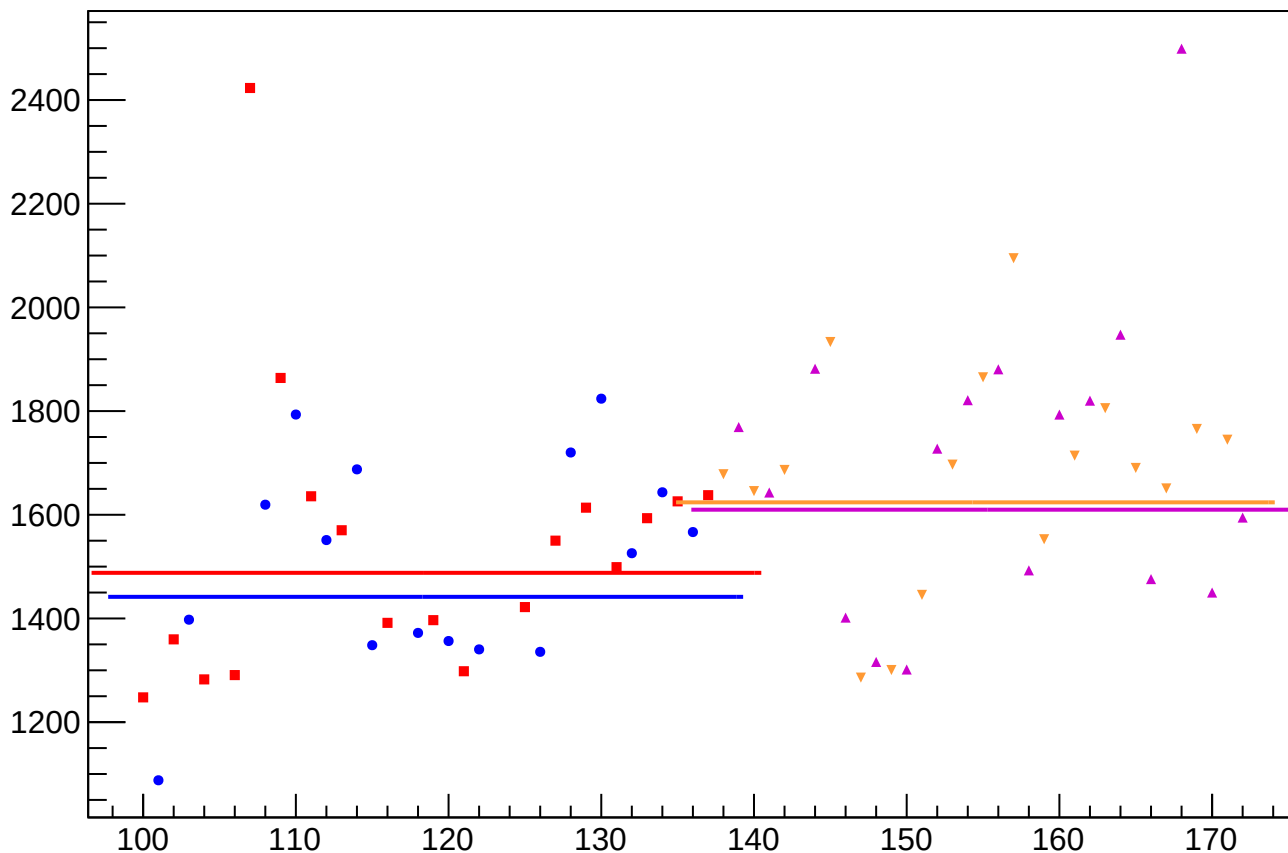
Left In: -1724.820 $\pm$ 448.487 χ^2 /NDF:14.6/16

+ sign 2113.373 $\pm$ 356.732 χ^2 /NDF: 36.0/32

All: 37.203 $\pm$ 250.638 χ^2 /NDF: 134.7/67

- sign -1986.796 $\pm$ 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: 1623.968+/-0.324 χ^2/NDF : 423733.5/16

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

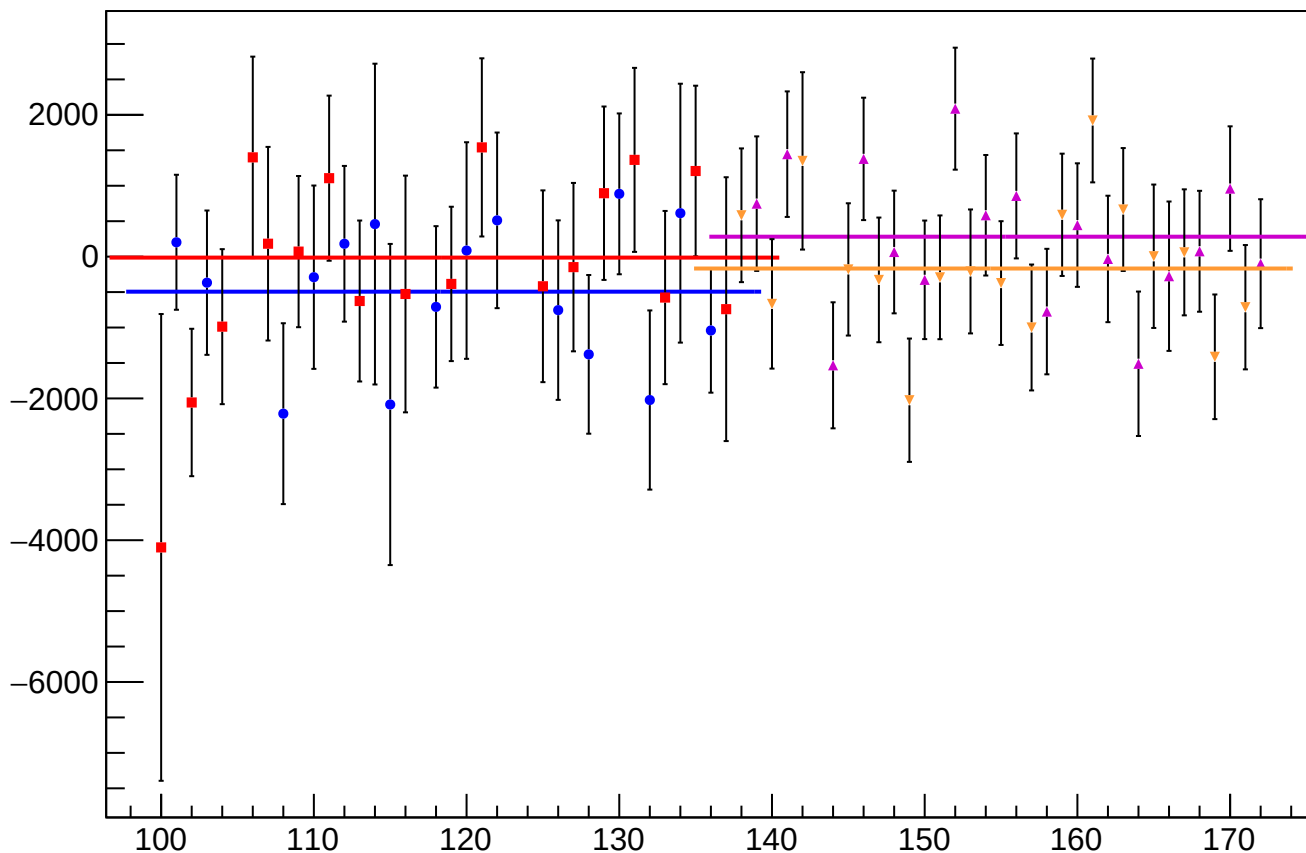
Left In: 1609.789+/-0.317 χ^2/NDF : 644885.6/16

+ sign 1551.866+/-0.252 χ^2/NDF : 824449.3/32

All: 1557.569+/-0.177 χ^2/NDF : 1782979.5/67

- 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: -167.538 ± 219.518 χ^2/NDF : 17.9/16

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

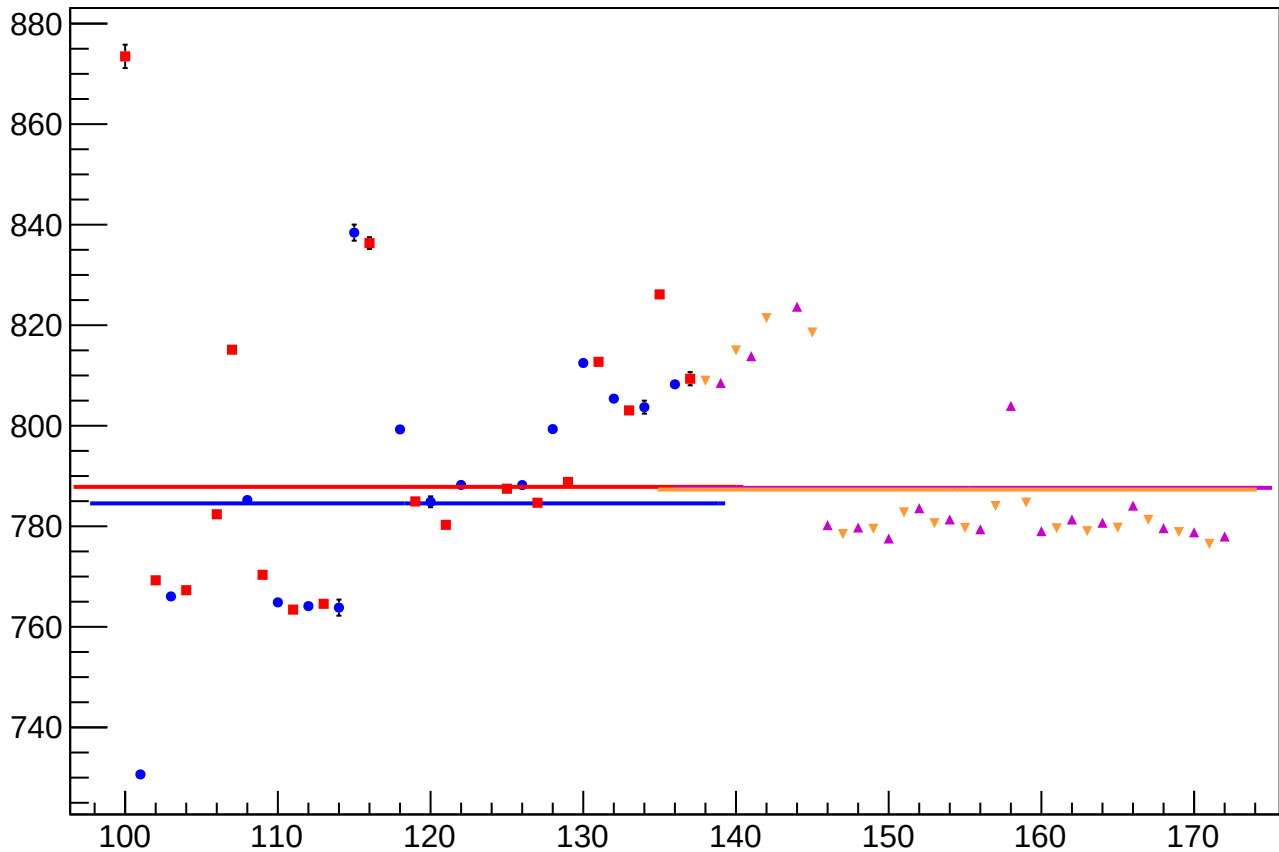
Left In: 281.297 ± 216.293 χ^2/NDF : 19.1/16

+ sign -279.189 ± 178.098 χ^2/NDF : 27.3/32

All: -45.831 ± 124.822 χ^2/NDF : 63.7/67

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

reg_asym_us_dd_rms vs Slug



Right In: 784.558 ± 0.215 χ^2/NDF : 13677.7/15

Left Out: 787.306 ± 0.155 χ^2/NDF : 8384.3/16

Right Out: 787.844 ± 0.211 χ^2/NDF : 10909.0/17

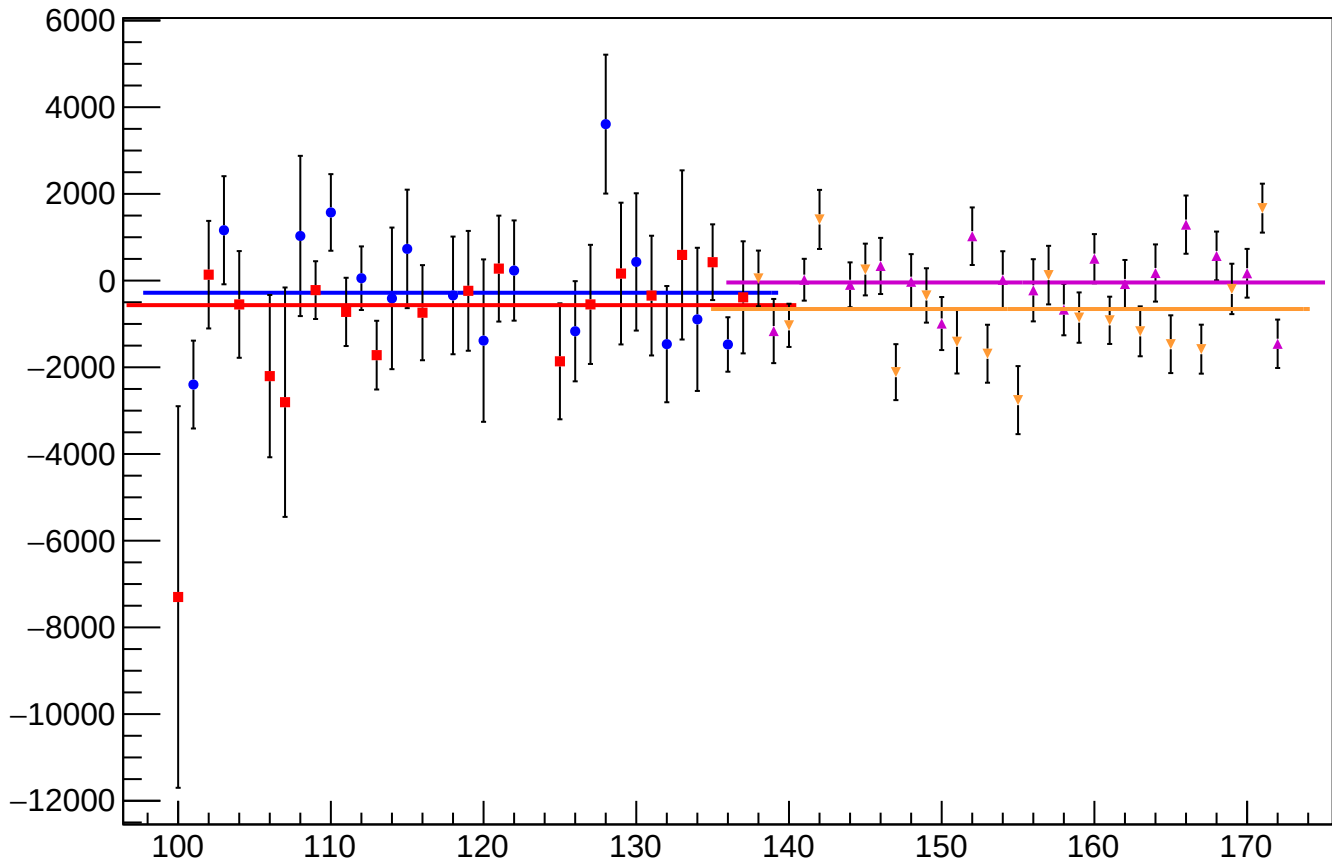
Left In: 787.652 ± 0.153 χ^2/NDF : 8632.2/16

+ sign 786.367 ± 0.126 χ^2/NDF : 22169.2/32

All: 787.054 ± 0.088 χ^2/NDF : 41769.5/67

- sign 787.718 ± 0.124 χ^2/NDF : 19541.8/34

asym_us_dd_correction_mean vs Slug



Right In: -280.632 ± 282.501 $\chi^2/\text{NDF}: 23.1/15$

Left Out: -655.385 ± 148.898 $\chi^2/\text{NDF}: 53.5/16$

Right Out: -566.224 ± 272.883 $\chi^2/\text{NDF}: 9.9/17$

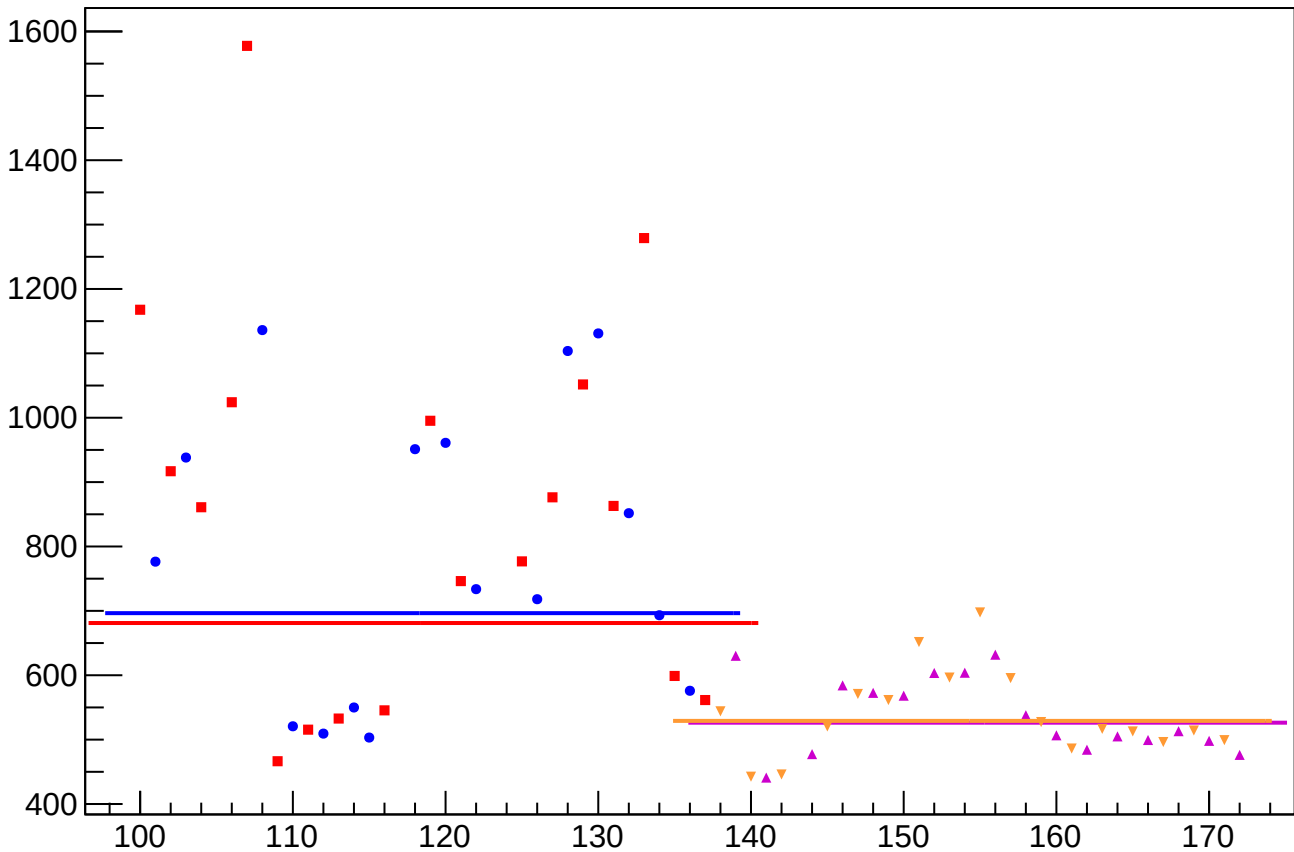
Left In: -43.523 ± 145.626 $\chi^2/\text{NDF}: 21.6/16$

+ sign -573.911 ± 131.721 $\chi^2/\text{NDF}: 78.0/32$

All: -361.479 ± 91.972 $\chi^2/\text{NDF}: 117.5/67$

- sign -159.386 ± 128.476 $\chi^2/\text{NDF}: 34.4/34$

asym_us_dd_correction_rms vs Slug



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

Left Out: 529.101 $\pm$ 0.105 χ^2 /NDF: 321554.5/16

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

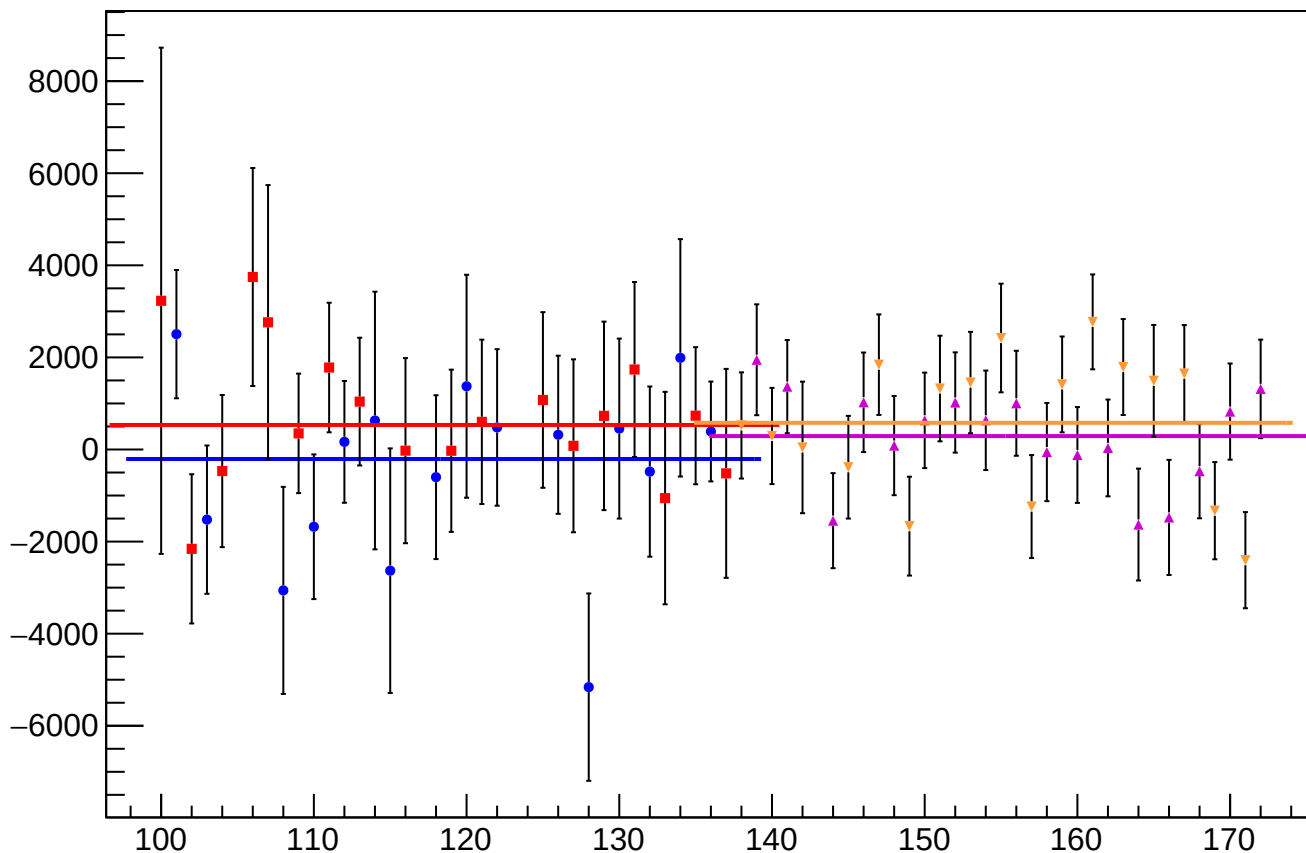
Left In: 526.310 $\pm$ 0.103 χ^2 /NDF: 296020.0/16

+ sign 565.487 $\pm$ 0.093 χ^2 /NDF: 1830373.4/32

All: 562.996 $\pm$ 0.065 χ^2 /NDF: 3981394.5/67

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

asym_us_dd_mean vs Slug



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

Left Out: 579.799 ± 267.693 χ^2/NDF : 32.4/16

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

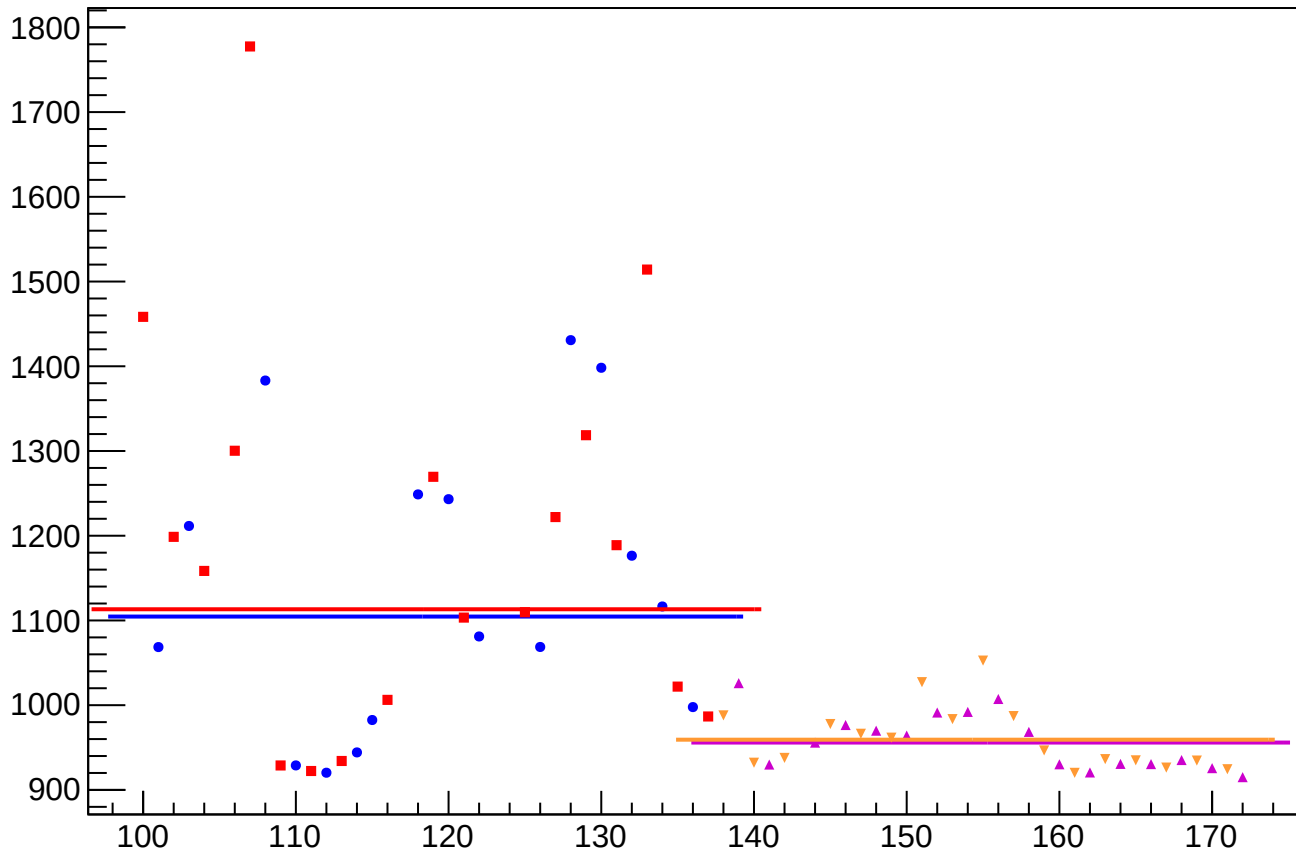
Left In: 291.130 ± 262.649 χ^2/NDF : 14.3/16

+ sign 362.965 ± 227.806 χ^2/NDF : 50.5/32

All: 360.157 ± 159.624 χ^2/NDF : 73.2/67

- sign 357.449 ± 223.734 χ^2/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: 959.271 $\pm$ 0.189 χ^2 /NDF: 35665.5/16

+ sign 999.353 $\pm$ 0.161 χ^2 /NDF: 453723.9/32

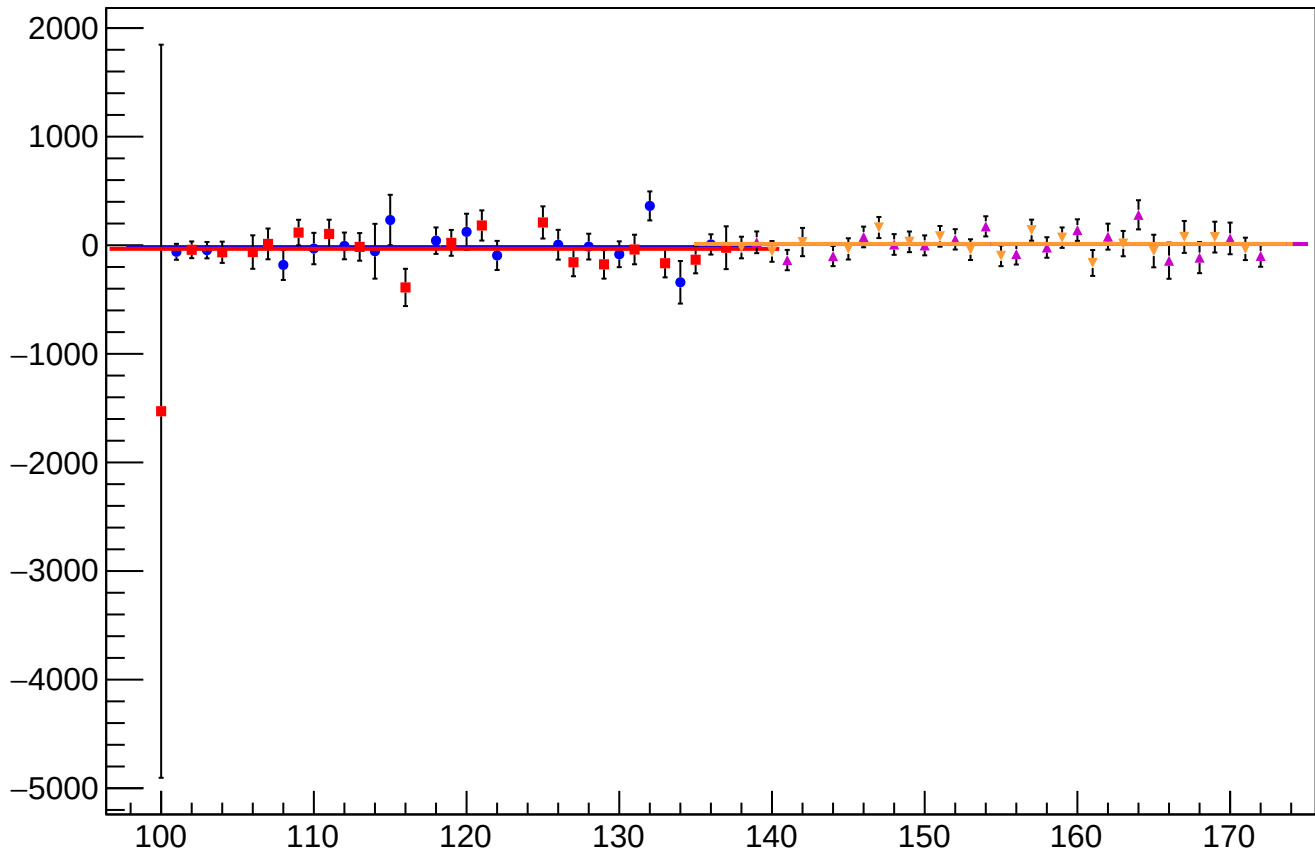
Right Out: 1113.215 $\pm$ 0.302 χ^2 /NDF: 362982.2/17

All: 999.202 $\pm$ 0.113 χ^2 /NDF: 1042155.9/67

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

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

reg_asym_ds_avg_mean vs Slug



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

Left Out: 12.334 ± 25.672 χ^2/NDF : 10.5/16

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

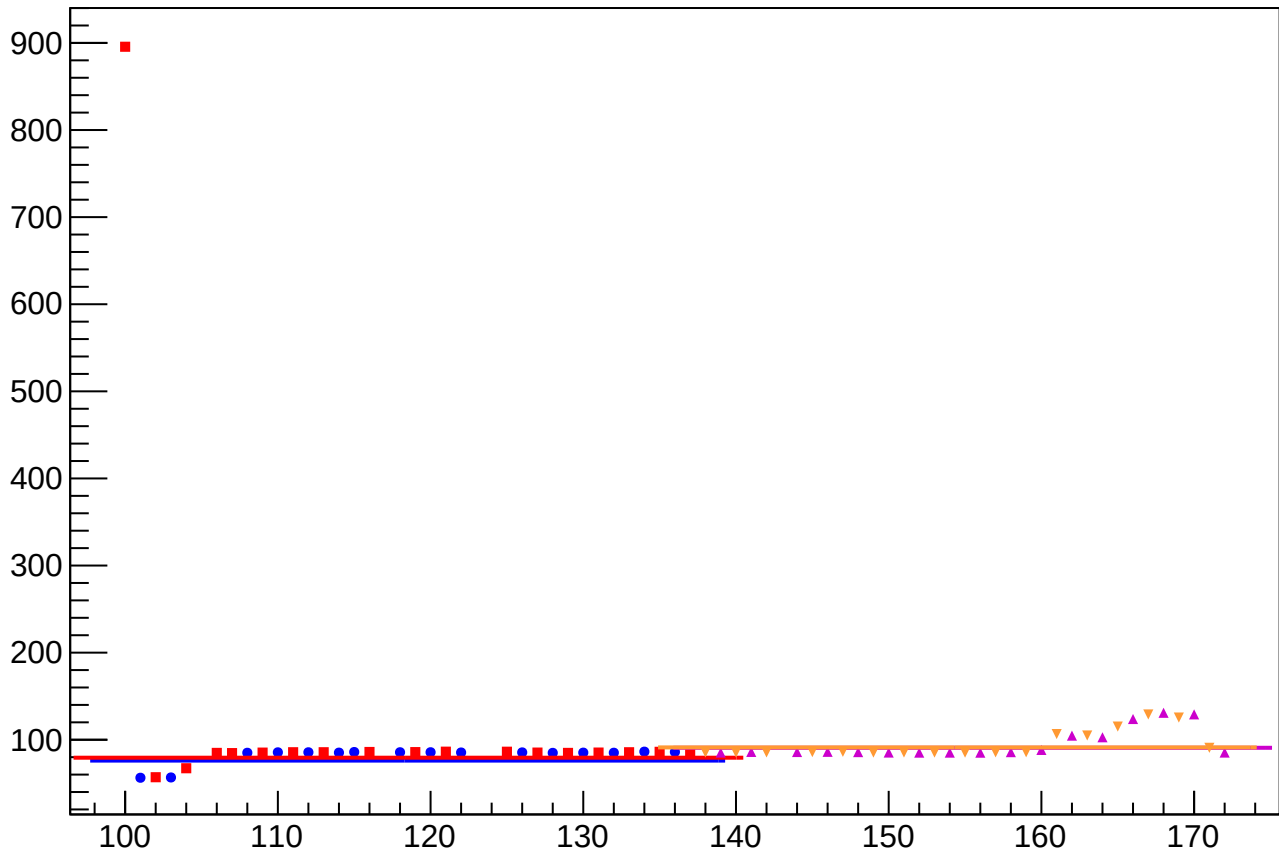
Left In: 11.249 ± 25.167 χ^2/NDF : 17.7/16

+ sign -0.172 ± 19.502 χ^2/NDF : 26.6/32

All: -3.438 ± 13.753 χ^2/NDF : 62.2/67

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

reg_asym_ds_avg_rms vs Slug



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

Left Out: 91.216+/-0.018 χ^2/NDF : 435634.6/16

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

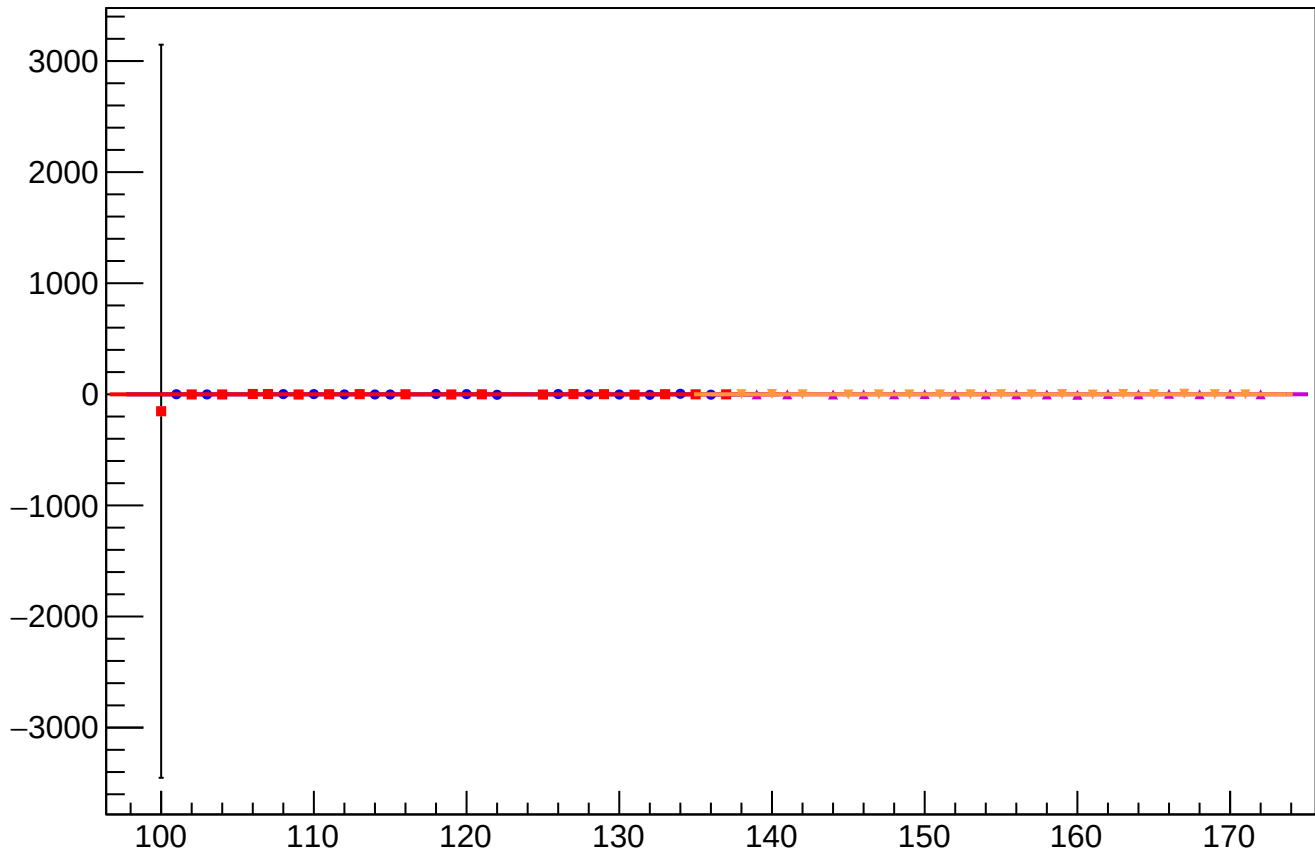
Left In: 90.772+/-0.018 χ^2/NDF : 485188.5/16

+ sign 84.814+/-0.014 χ^2/NDF : 1138869.9/32

All: 85.487+/-0.010 χ^2/NDF : 2173382.6/67

- sign 86.152+/-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: -0.031 ± 0.441 χ^2/NDF : 12.9/16

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

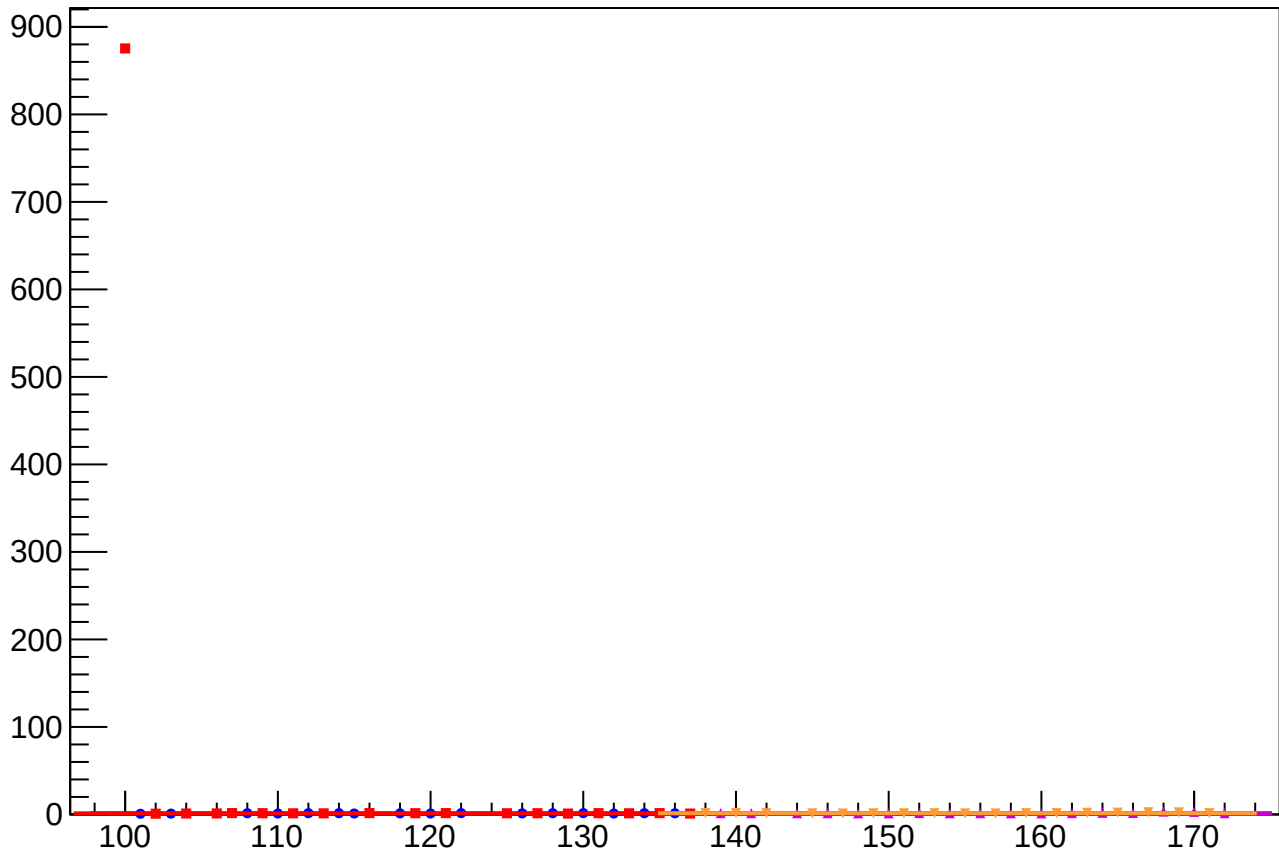
Left In: 0.461 ± 0.452 χ^2/NDF : 19.2/16

+ sign -0.140 ± 0.331 χ^2/NDF : 34.2/32

All: 0.039 ± 0.238 χ^2/NDF : 63.6/67

- 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: 1.388 $\pm$ 0.000 χ^2 /NDF:898334.6/16

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

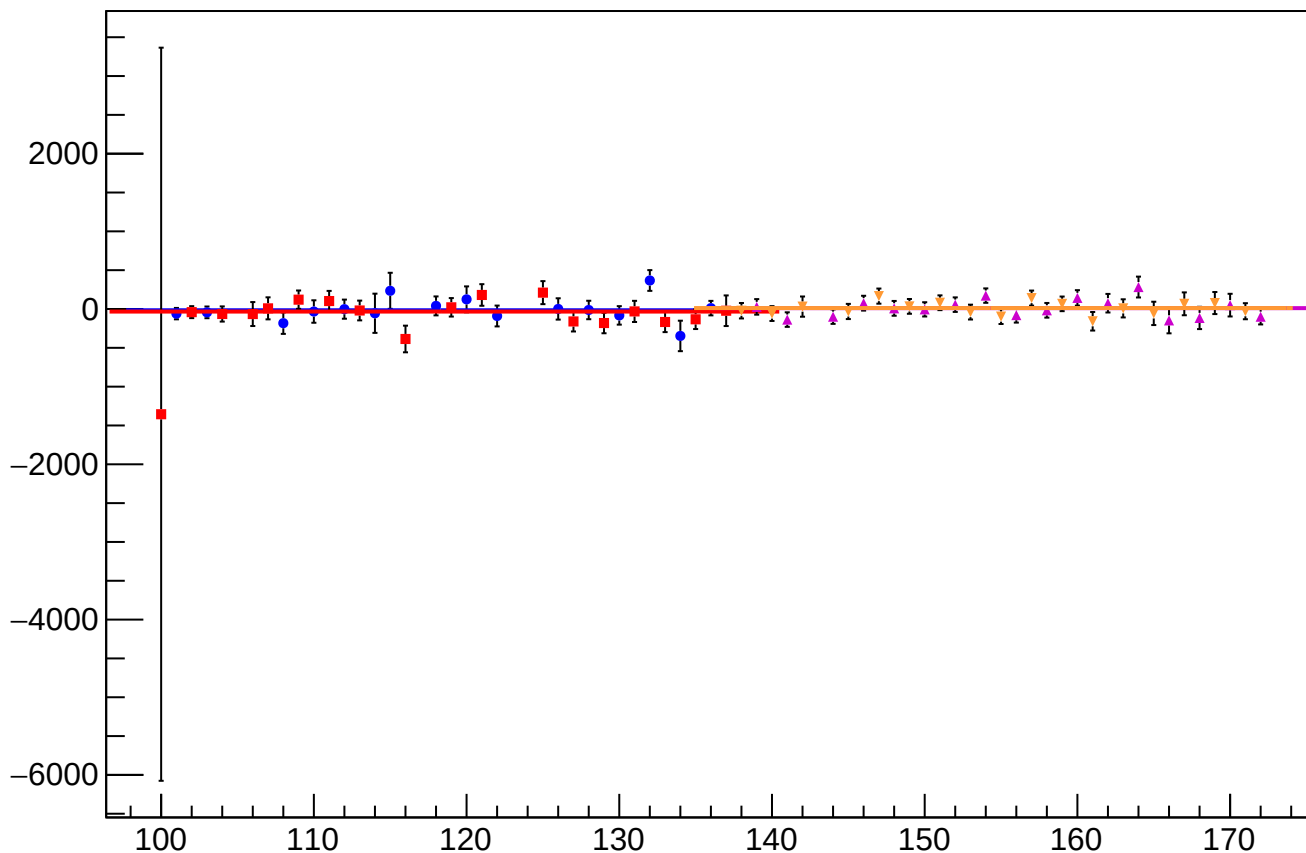
Left In: 1.474 $\pm$ 0.000 χ^2 /NDF:967553.2/16

+ sign 1.285 $\pm$ 0.000 χ^2 /NDF: 1661394.5/32

All: 1.330 $\pm$ 0.000 χ^2 /NDF: 3437312.8/67

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

asym_ds_avg_mean vs Slug



Right In: -16.311 $\pm$ 29.996 χ^2 /NDF: 15.9/15

Left Out: 12.177 $\pm$ 25.680 χ^2 /NDF: 10.4/16

Right Out: -33.114 $\pm$ 30.455 χ^2 /NDF: 16.5/17

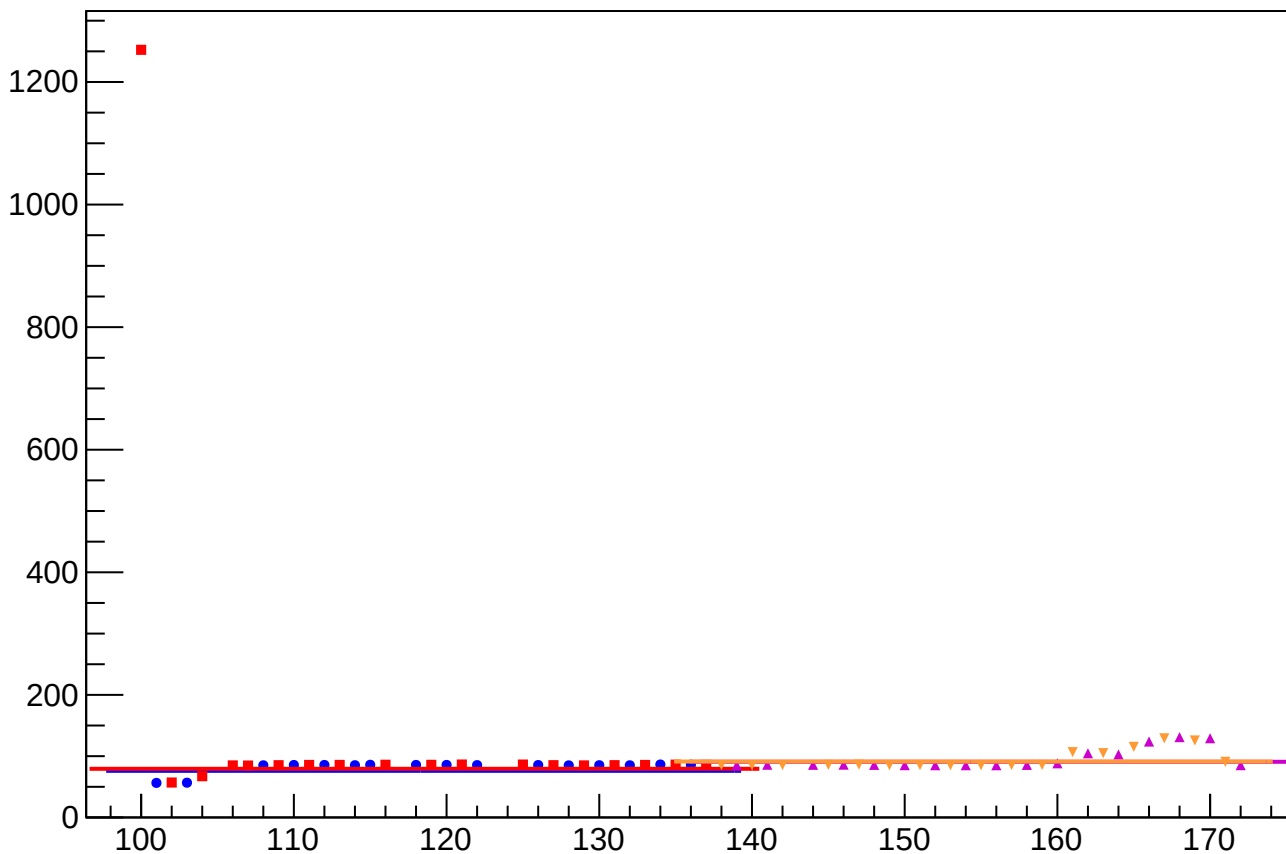
Left In: 10.964 $\pm$ 25.175 χ^2 /NDF: 17.7/16

+ sign 0.128 $\pm$ 19.508 χ^2 /NDF: 26.8/32

All: -3.419 $\pm$ 13.757 χ^2 /NDF: 62.3/67

- sign -6.929 $\pm$ 19.404 χ^2 /NDF: 35.5/34

asym_ds_avg_rms vs Slug



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

Left Out: 91.243 ± 0.018 χ^2/NDF : 436374.2/16

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

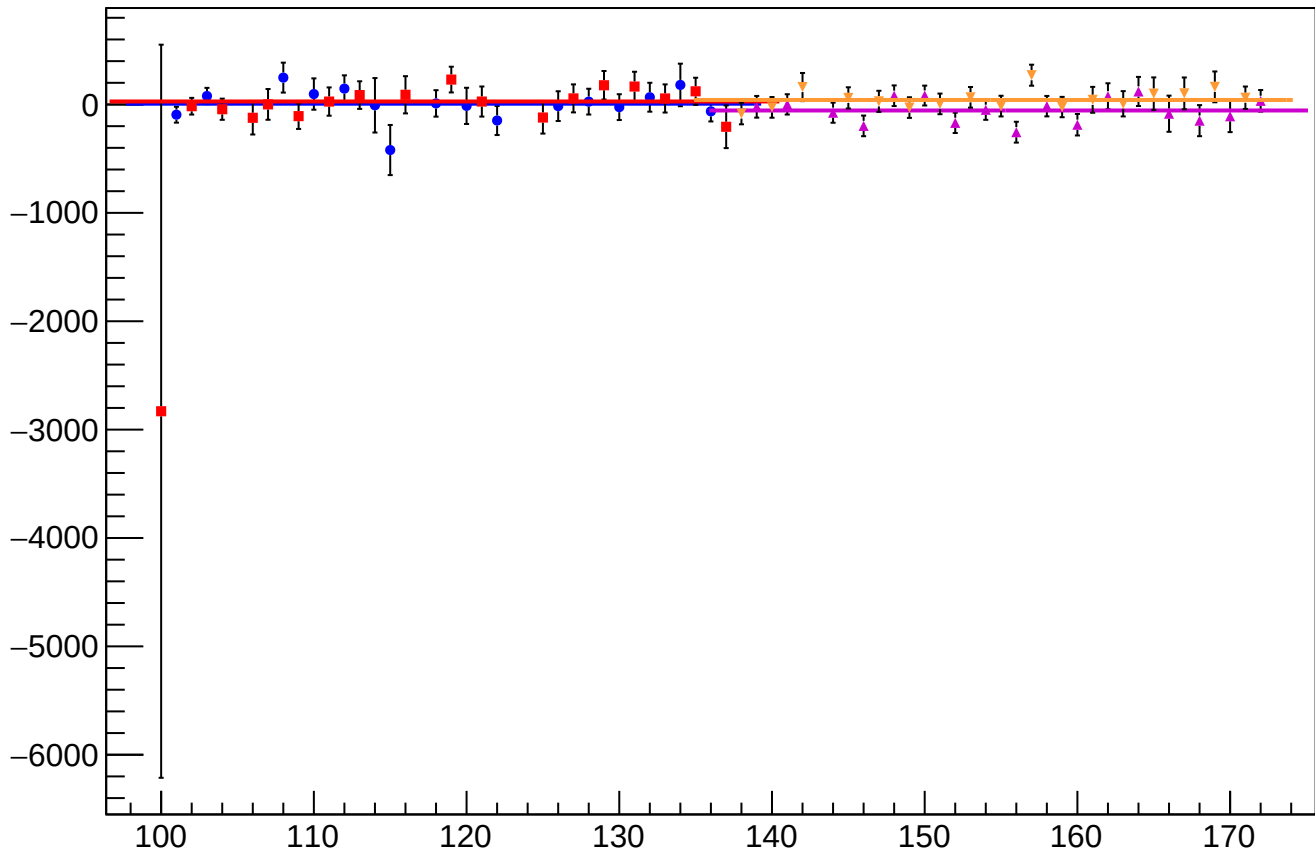
Left In: 90.799 ± 0.018 χ^2/NDF : 486053.3/16

+ sign 84.838 ± 0.014 χ^2/NDF : 1139745.7/32

All: 85.507 ± 0.010 χ^2/NDF : 2182189.0/67

- sign 86.169 ± 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: 41.833 ± 25.672 χ^2/NDF : 11.3/16

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

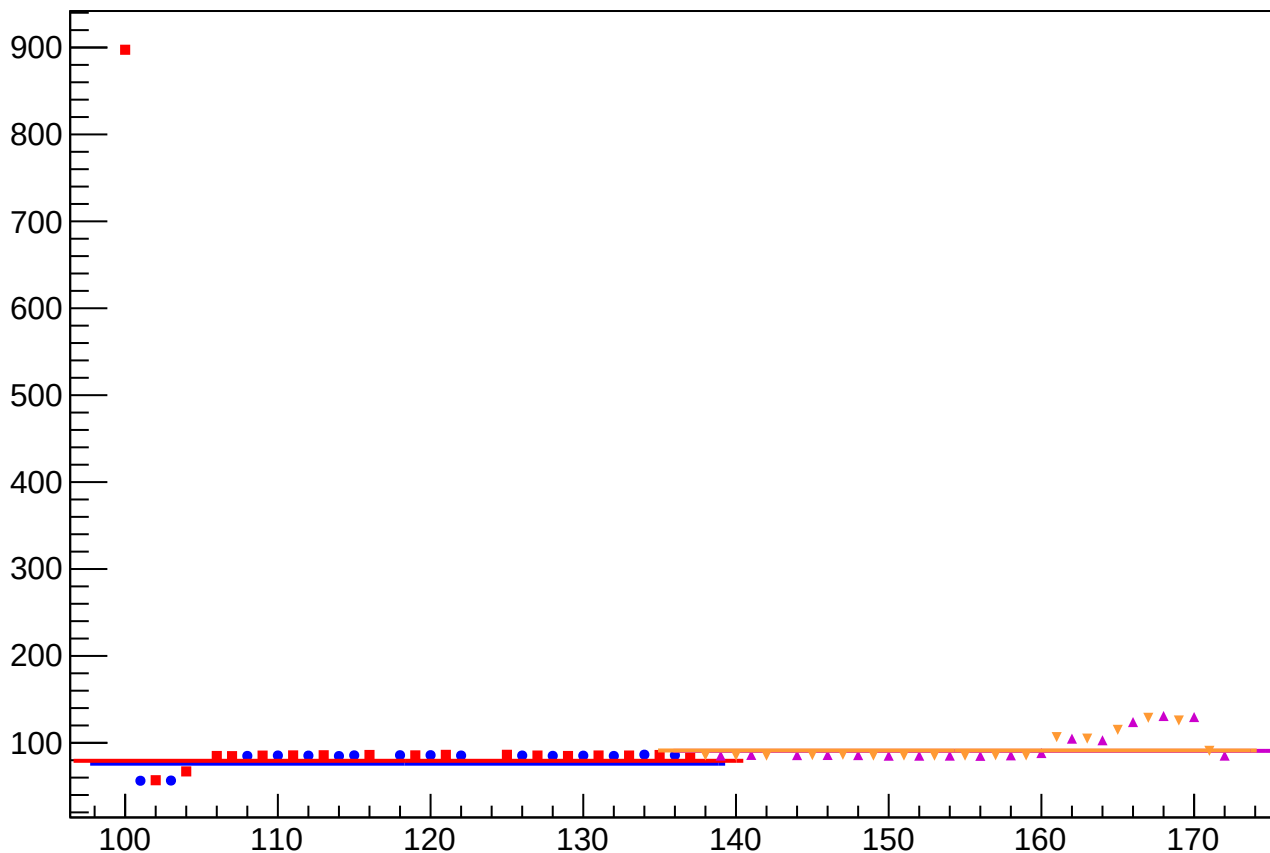
Left In: -55.208 ± 25.170 χ^2/NDF : 19.1/16

+ sign 27.285 ± 19.497 χ^2/NDF : 26.0/32

All: 2.796 ± 13.750 χ^2/NDF : 65.2/67

- 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: 91.214 $\pm$ 0.018 χ^2 /NDF: 435067.1/16

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

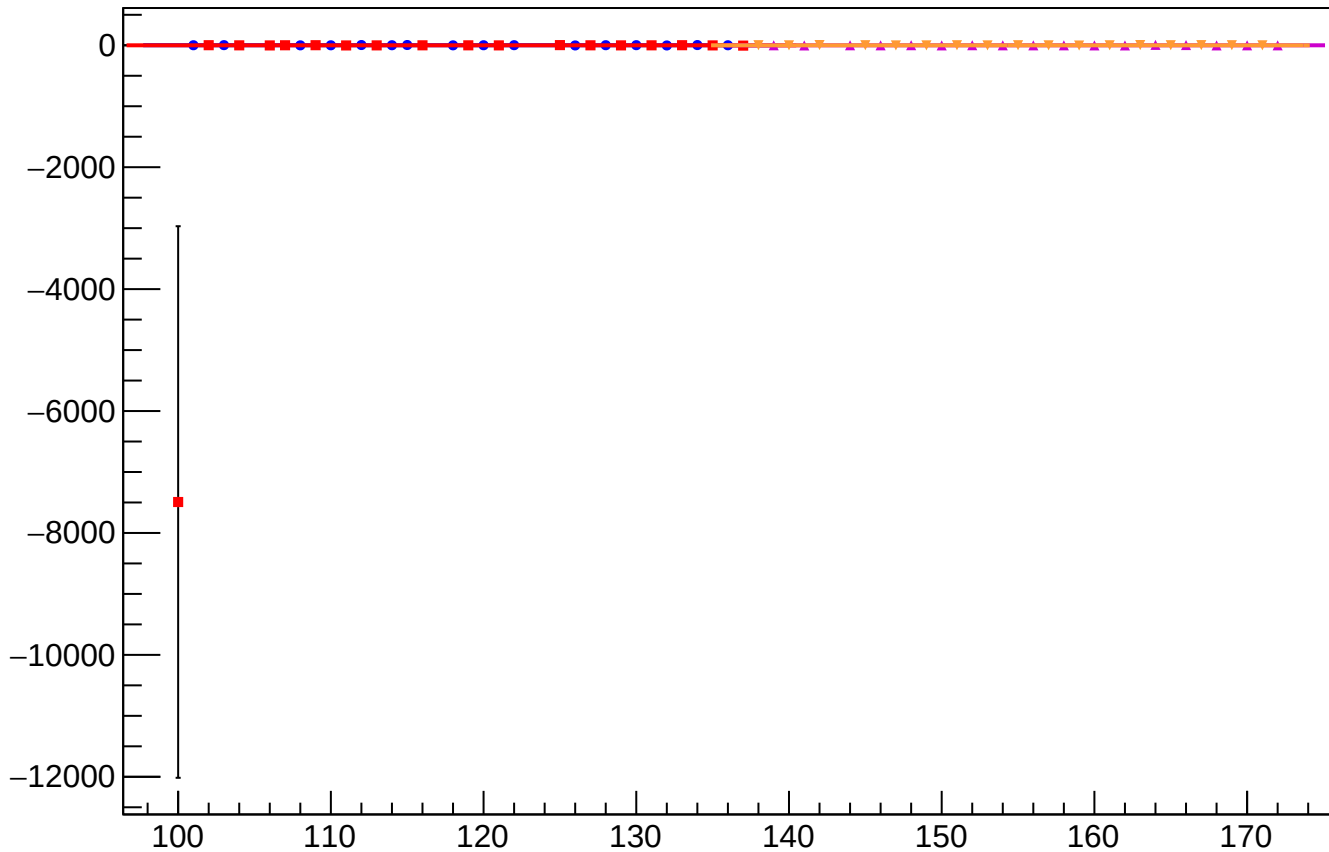
Left In: 90.773 $\pm$ 0.018 χ^2 /NDF: 488860.4/16

+ sign 84.789 $\pm$ 0.014 χ^2 /NDF: 1140047.2/32

All: 85.462 $\pm$ 0.010 χ^2 /NDF: 2179628.7/67

- 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: -0.339 ± 0.456 χ^2/NDF : 16.5/16

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

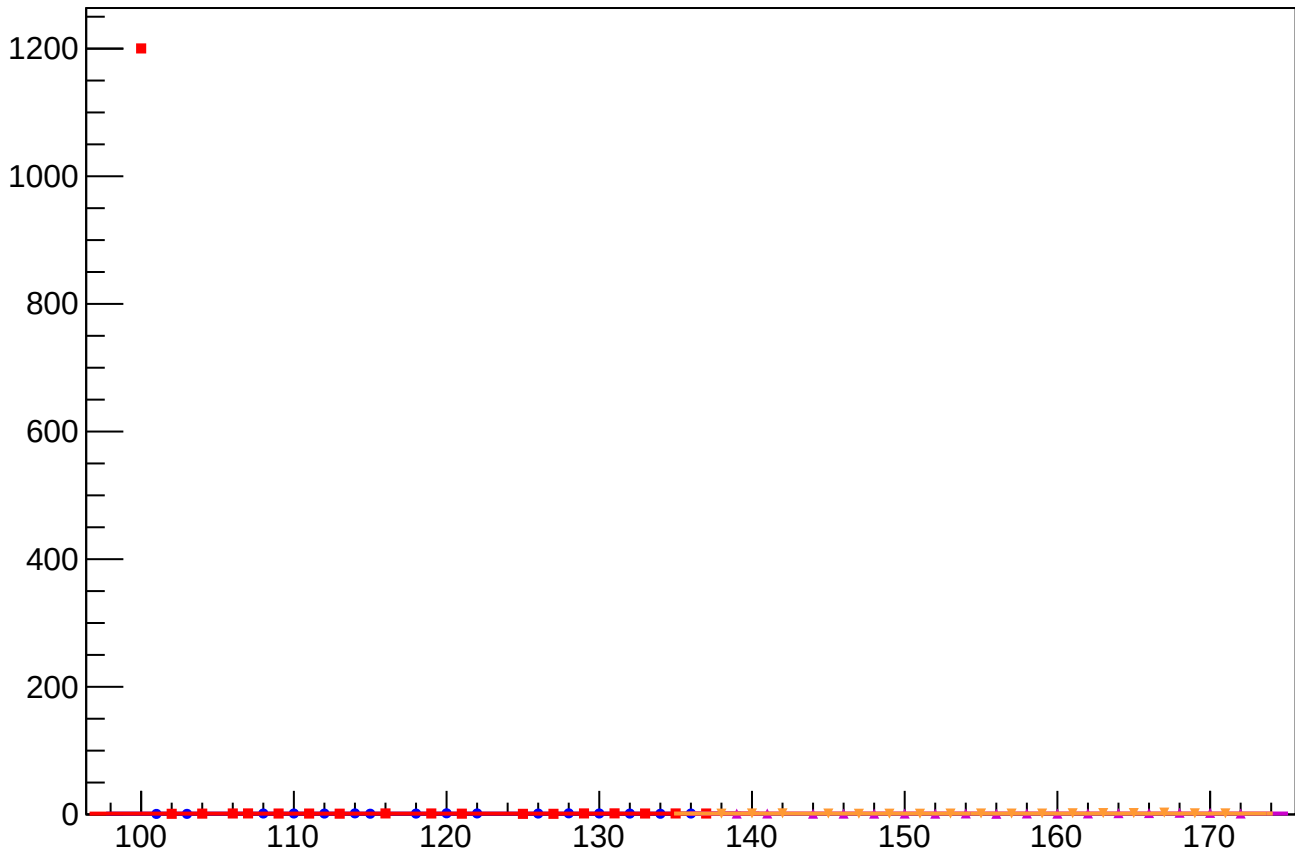
Left In: -0.146 ± 0.451 χ^2/NDF : 15.0/16

+ sign 0.189 ± 0.346 χ^2/NDF : 31.7/32

All: -0.011 ± 0.246 χ^2/NDF : 60.0/67

- 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: 1.446 $\pm$ 0.000 χ^2 /NDF:1037110.5/16

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

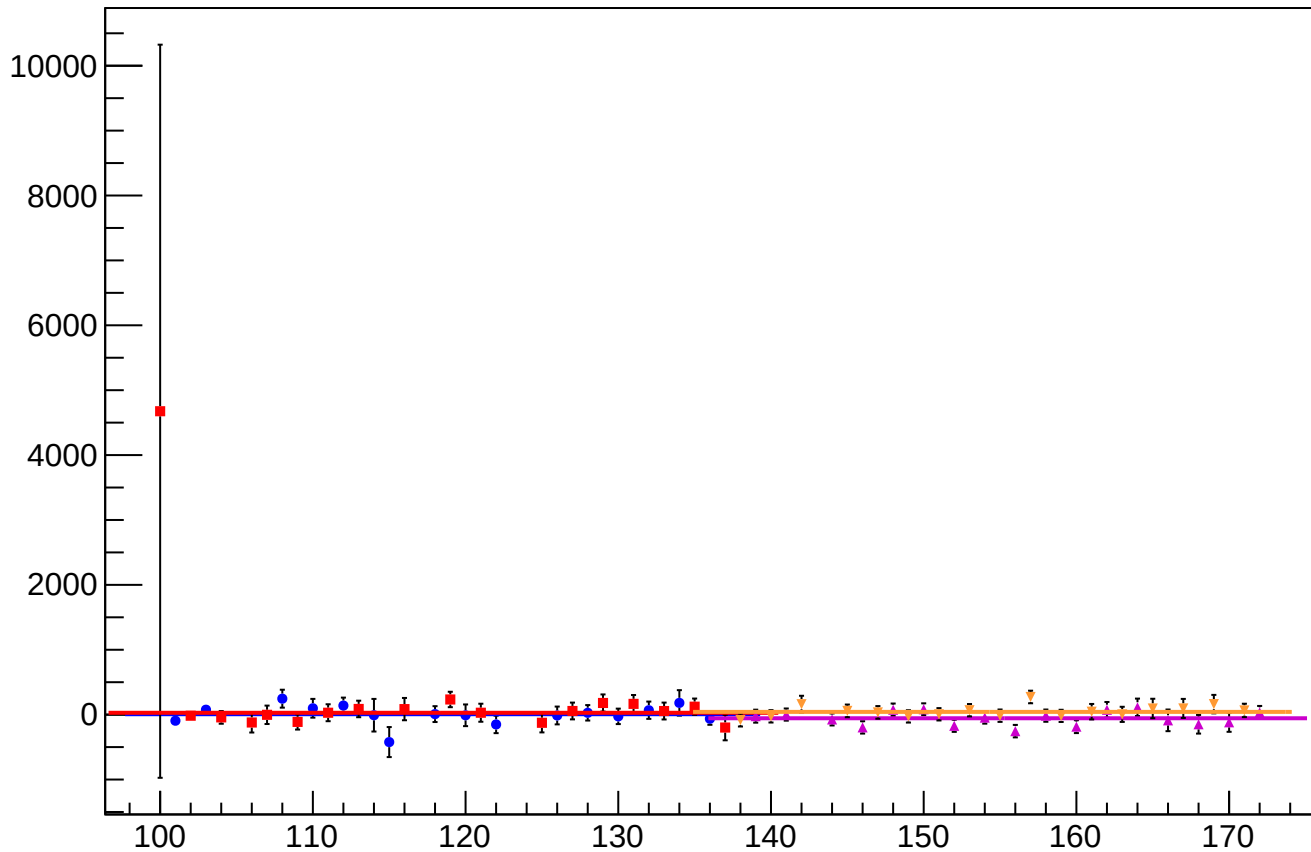
Left In: 1.463 $\pm$ 0.000 χ^2 /NDF:929296.0/16

+ sign 1.358 $\pm$ 0.000 χ^2 /NDF: 1871358.0/32

All: 1.381 $\pm$ 0.000 χ^2 /NDF: 3424318.6/67

- 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: 42.510 ± 25.680 χ^2/NDF : 11.2/16

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

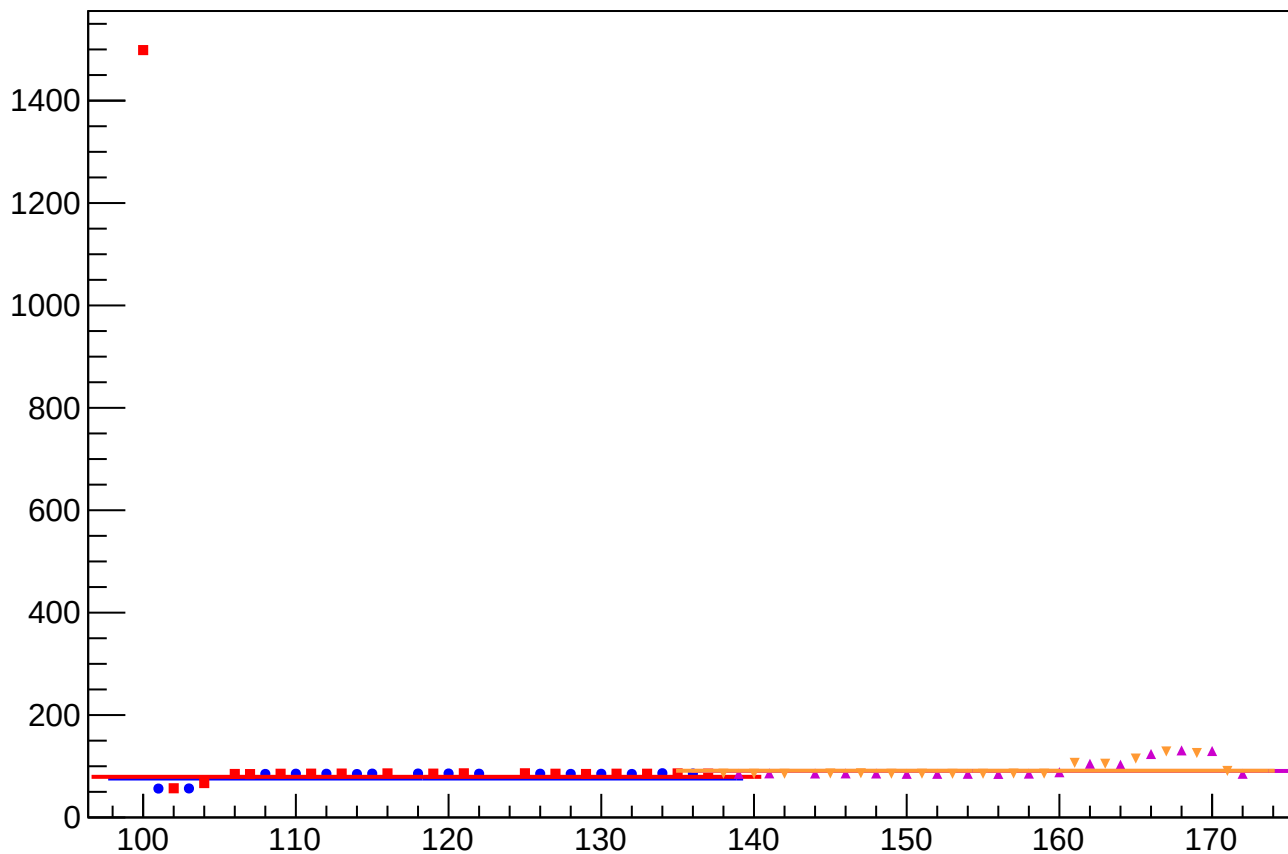
Left In: -55.778 ± 25.178 χ^2/NDF : 18.8/16

+ sign 27.388 ± 19.502 χ^2/NDF : 25.9/32

All: 2.807 ± 13.754 χ^2/NDF : 65.1/67

- 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: 91.242 $\pm$ 0.018 χ^2 /NDF: 435809.0/16

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

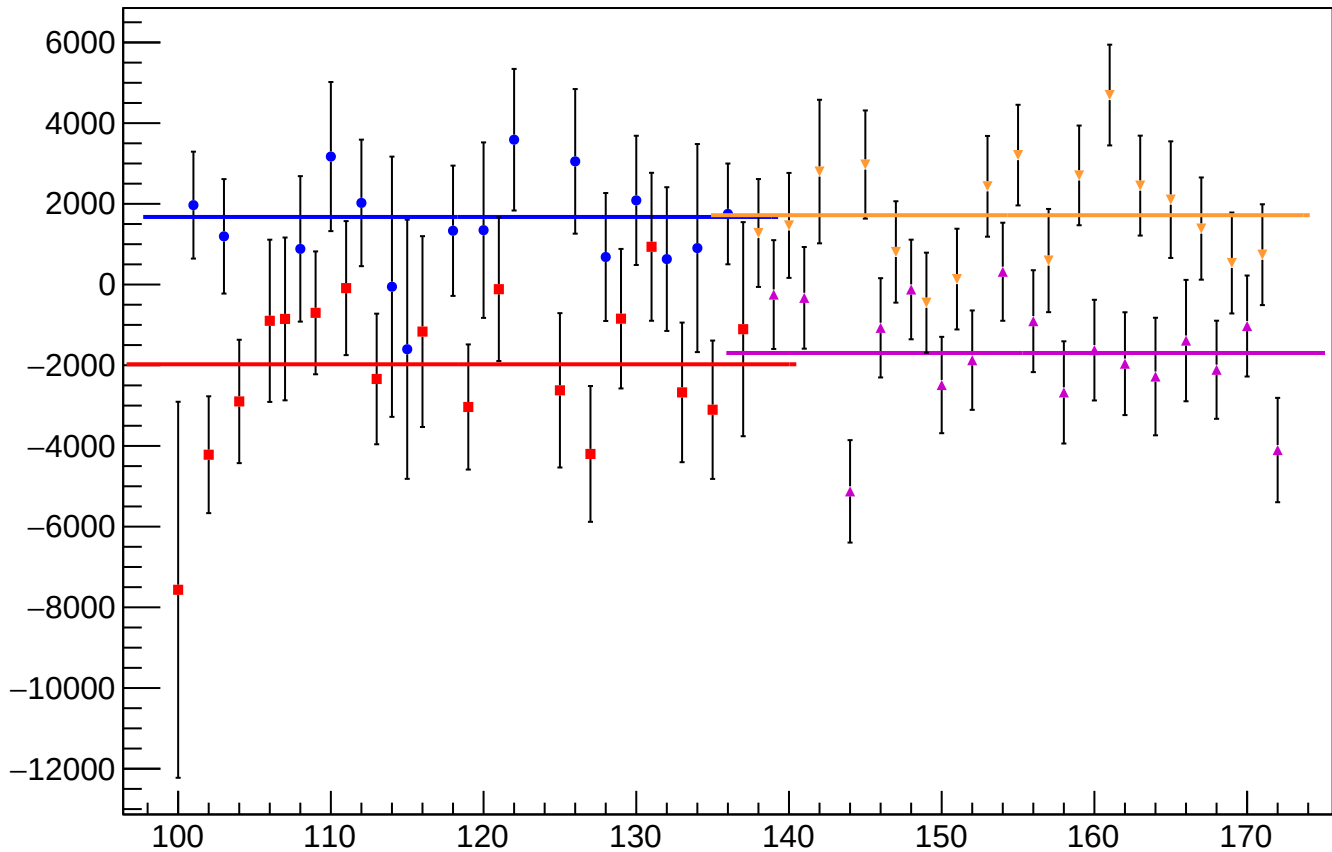
Left In: 90.800 $\pm$ 0.018 χ^2 /NDF: 489664.1/16

+ sign 84.813 $\pm$ 0.014 χ^2 /NDF: 1140920.5/32

All: 85.482 $\pm$ 0.010 χ^2 /NDF: 2191284.8/67

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

reg_asym_usl_mean vs Slug



Right In: 1674.993 ± 430.597 χ^2/NDF : 5.1/15

Left Out: 1718.638 ± 313.499 χ^2/NDF : 17.4/16

Right Out: -1976.296 ± 422.405 χ^2/NDF : 14.0/17

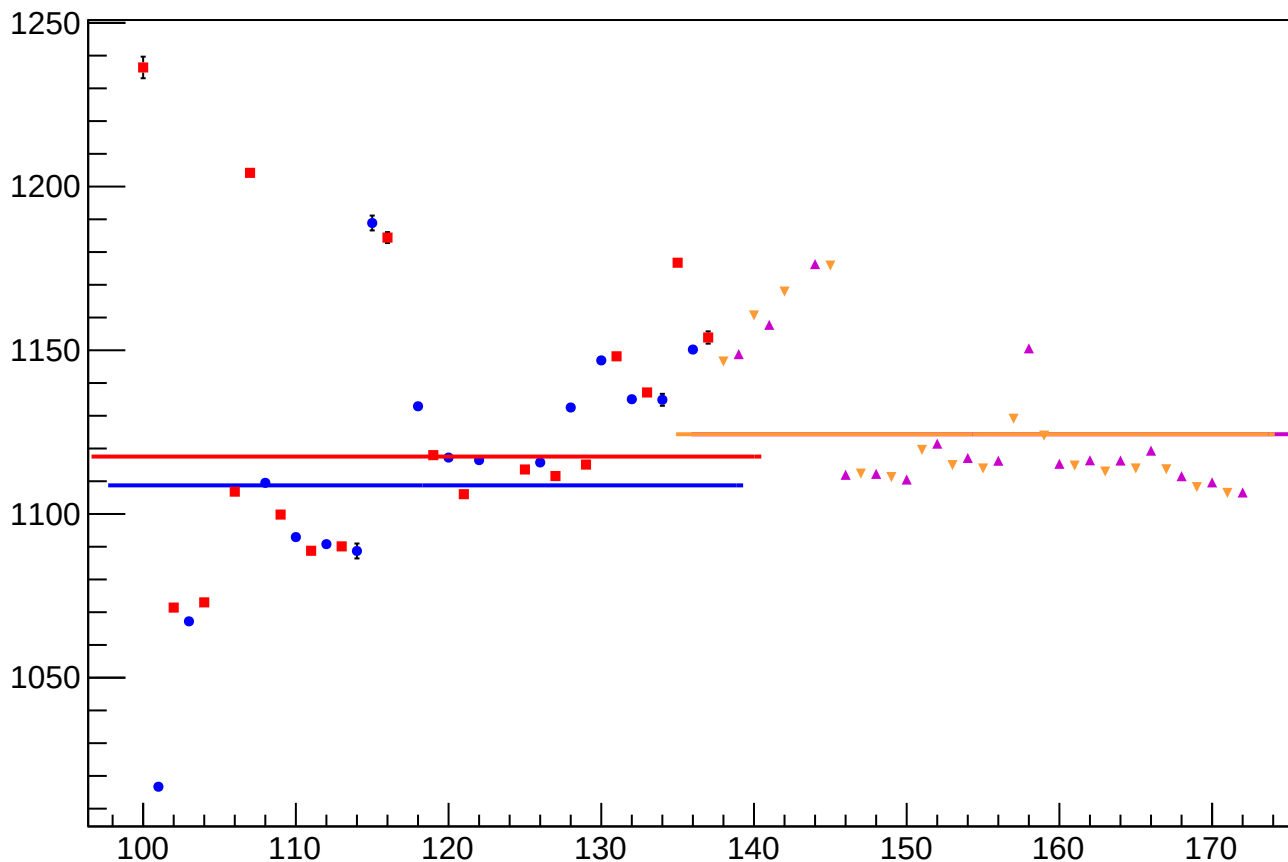
Left In: -1696.303 ± 308.755 χ^2/NDF : 19.8/16

+ sign 1703.518 ± 253.444 χ^2/NDF : 22.6/32

All: -74.210 ± 177.716 χ^2/NDF : 153.5/67

- sign -1793.805 ± 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: 1124.351 $\pm$ 0.222 χ^2 /NDF: 8259.9/16

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

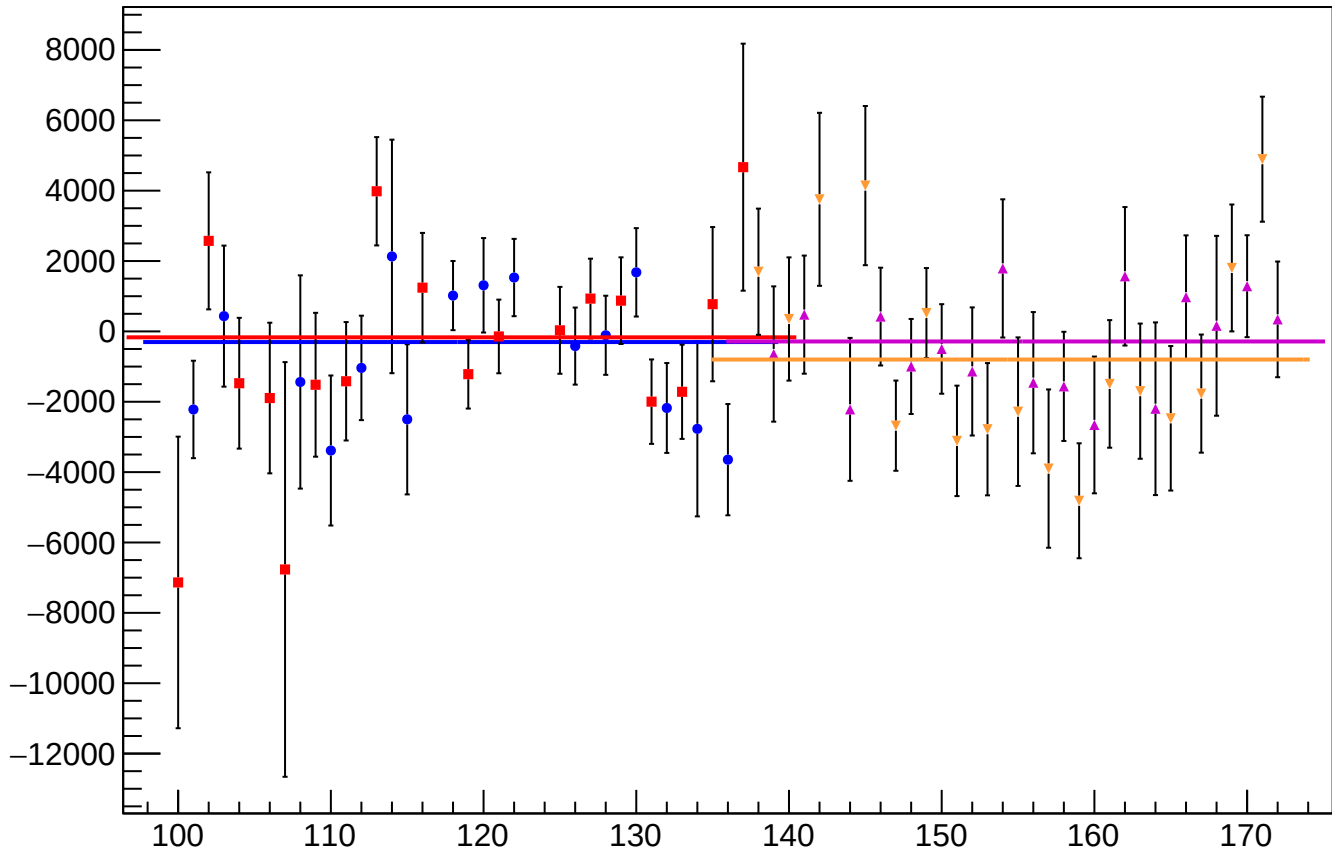
Left In: 1124.361 $\pm$ 0.218 χ^2 /NDF: 8243.7/16

+ sign 1118.942 $\pm$ 0.179 χ^2 /NDF: 28058.8/32

All: 1120.489 $\pm$ 0.126 χ^2 /NDF: 52304.2/67

- 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: -799.964+/-426.585 χ^2/NDF : 39.2/16

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

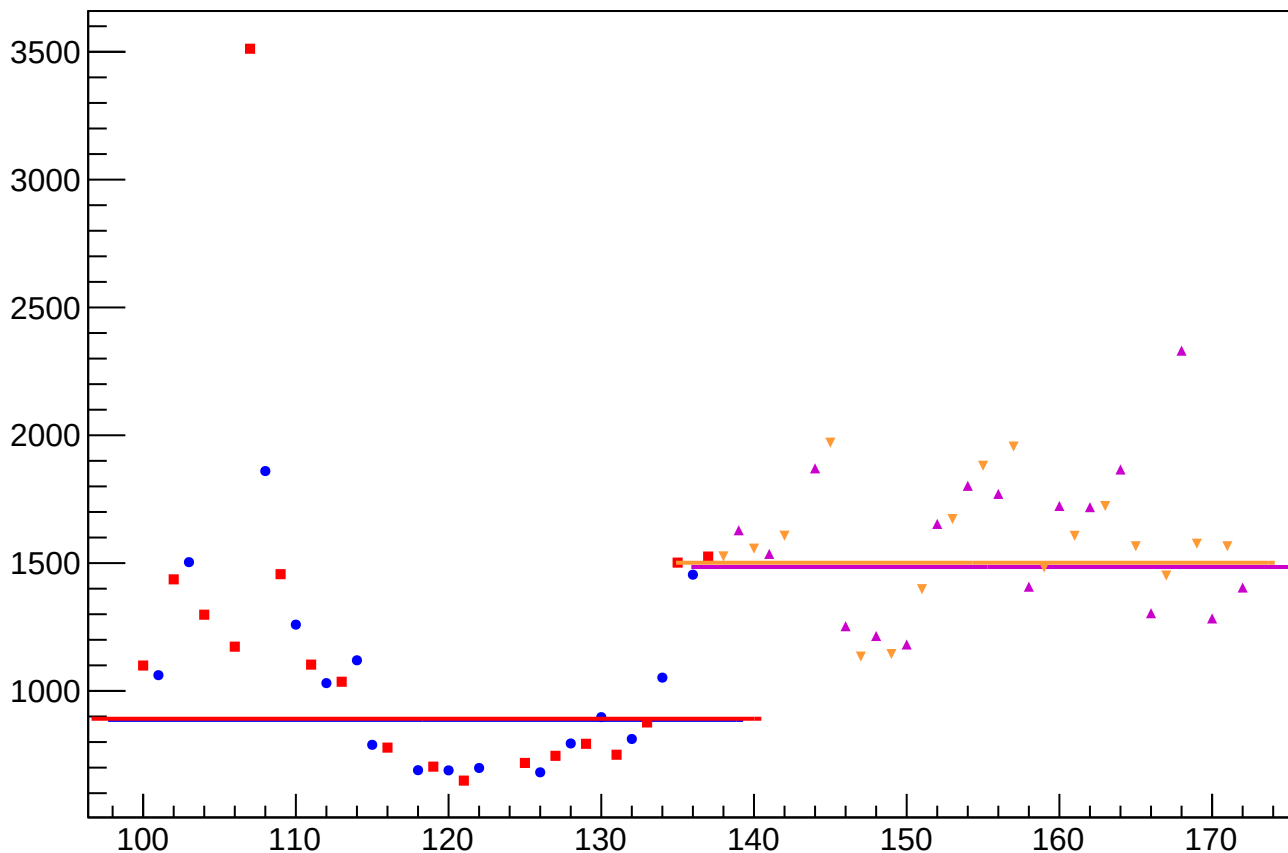
Left In: -286.283+/-415.680 χ^2/NDF : 8.9/16

+ sign -509.954+/-275.154 χ^2/NDF : 62.3/32

All: -361.778+/-192.895 χ^2/NDF : 96.7/67

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

asym_usl_correction_rms vs Slug



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

Left Out: 1501.435 $\pm$ 0.302 χ^2 /NDF: 627339.6/16

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

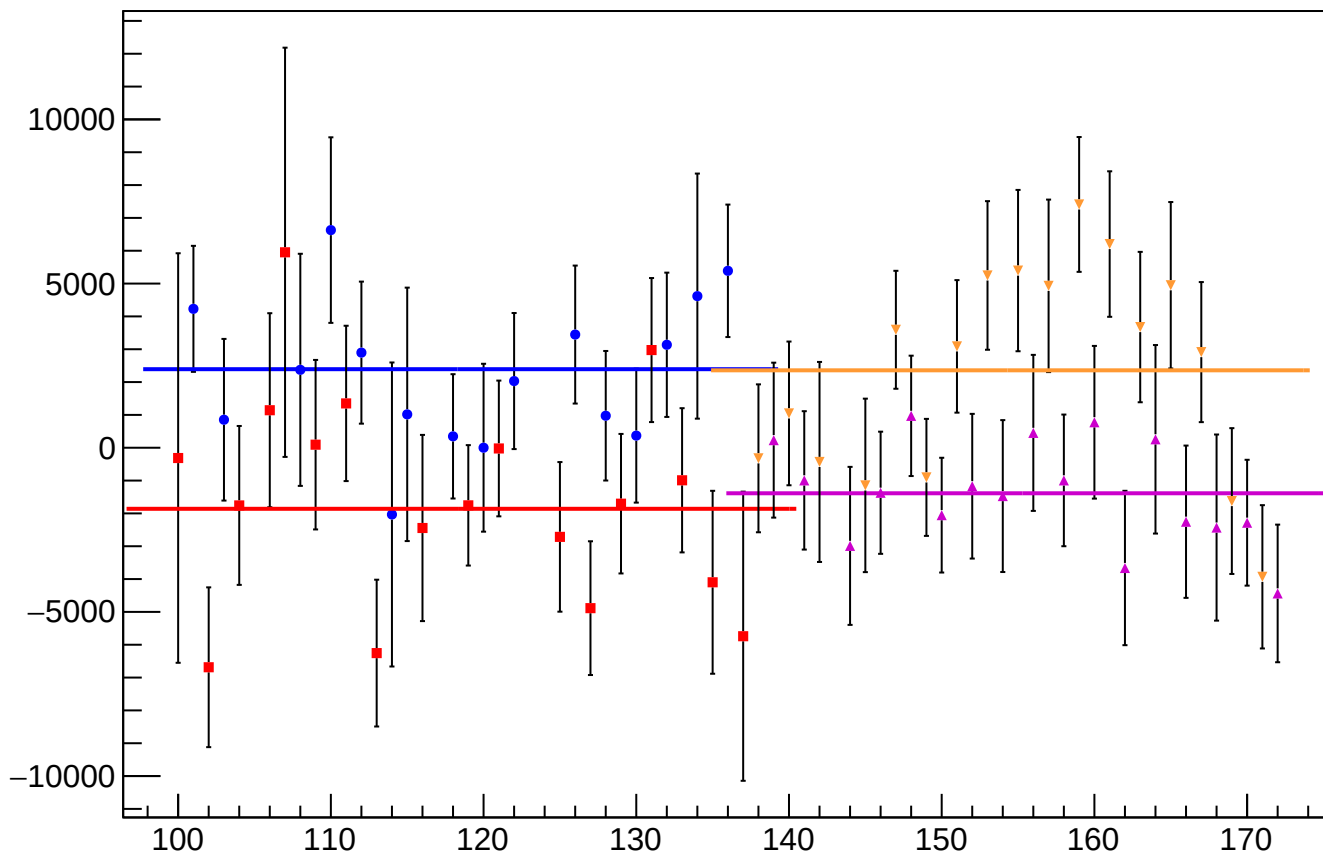
Left In: 1484.781 $\pm$ 0.294 χ^2 /NDF: 839449.6/16

+ sign 1142.451 $\pm$ 0.195 χ^2 /NDF: 4113623.0/32

All: 1142.500 $\pm$ 0.136 χ^2 /NDF: 8718605.2/67

- sign 1142.548 $\pm$ 0.191 χ^2 /NDF: 4604982.1/34

asym_usl_mean vs Slug



Right In: 2392.385+/-588.991 χ^2/NDF : 11.2/15

Left Out: 2357.823+/-538.163 χ^2/NDF : 34.5/16

Right Out: -1859.867+/-583.119 χ^2/NDF : 22.5/17

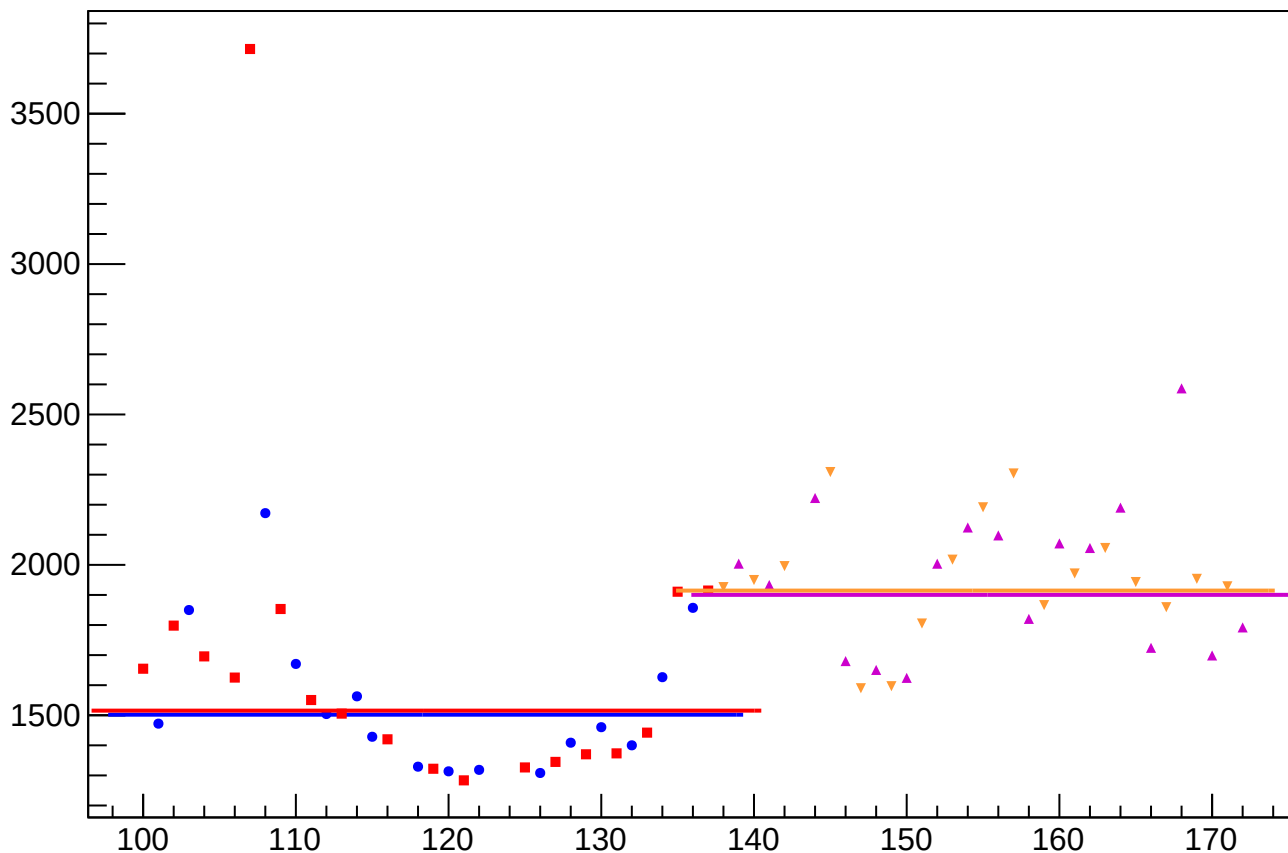
Left In: -1386.921+/-526.484 χ^2/NDF : 8.1/16

+ sign 2373.549+/-397.295 χ^2/NDF : 45.6/32

All: 354.240+/-278.596 χ^2/NDF : 127.5/67

- sign -1599.317+/-390.773 χ^2/NDF : 31.0/34

asym_usl_rms vs Slug



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

Left Out: 1914.485 $\pm$ 0.381 χ^2 /NDF: 267210.3/16

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

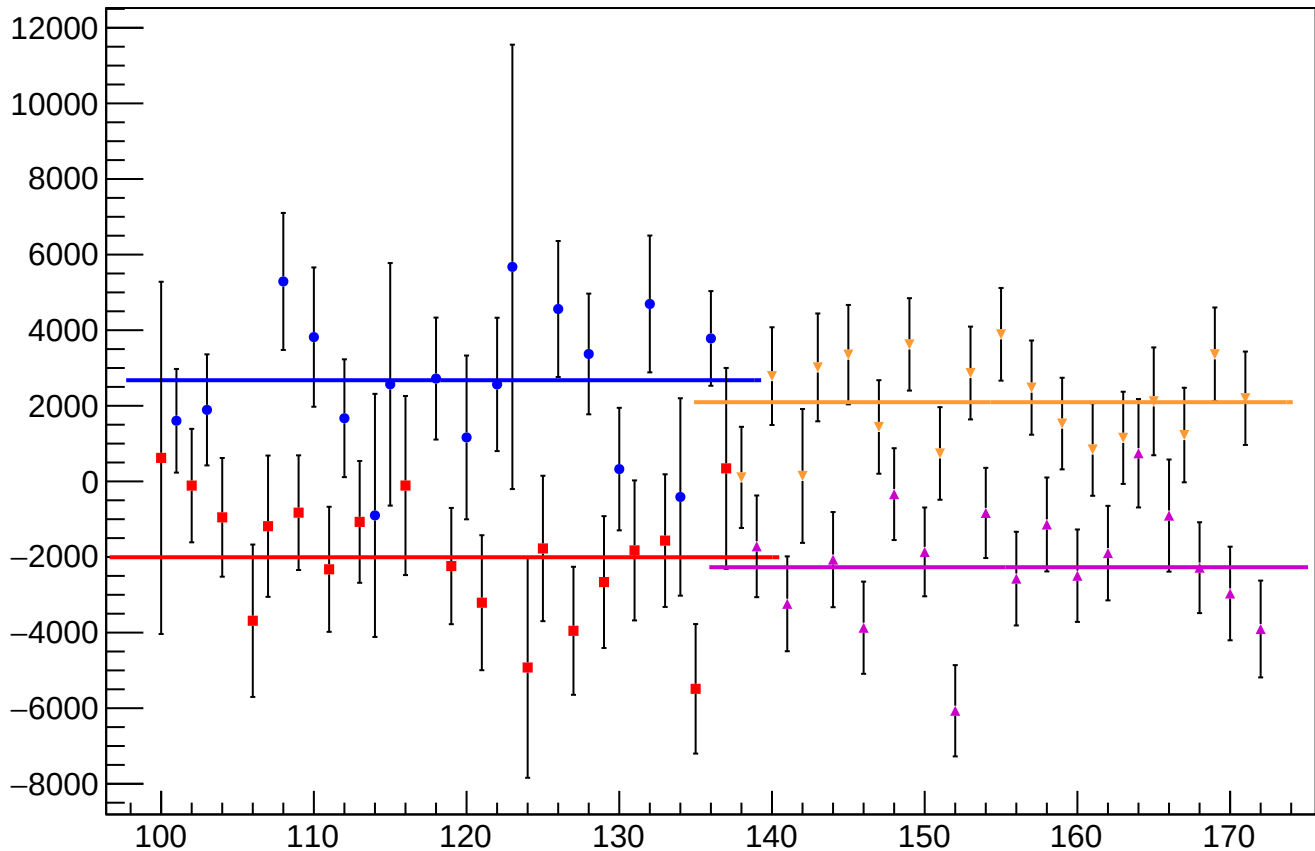
Left In: 1900.320 $\pm$ 0.372 χ^2 /NDF: 391599.9/16

+ sign 1726.776 $\pm$ 0.281 χ^2 /NDF: 1056521.2/32

All: 1727.123 $\pm$ 0.197 χ^2 /NDF: 2407974.6/67

- sign 1727.458 $\pm$ 0.276 χ^2 /NDF: 1351450.4/34

reg_asym_usr_mean vs Slug



Right In: 2676.683 ± 433.582 $\chi^2/\text{NDF}: 12.6/16$

Left Out: 2095.545 ± 301.985 $\chi^2/\text{NDF}: 14.1/17$

Right Out: -2006.577 ± 419.165 $\chi^2/\text{NDF}: 12.8/18$

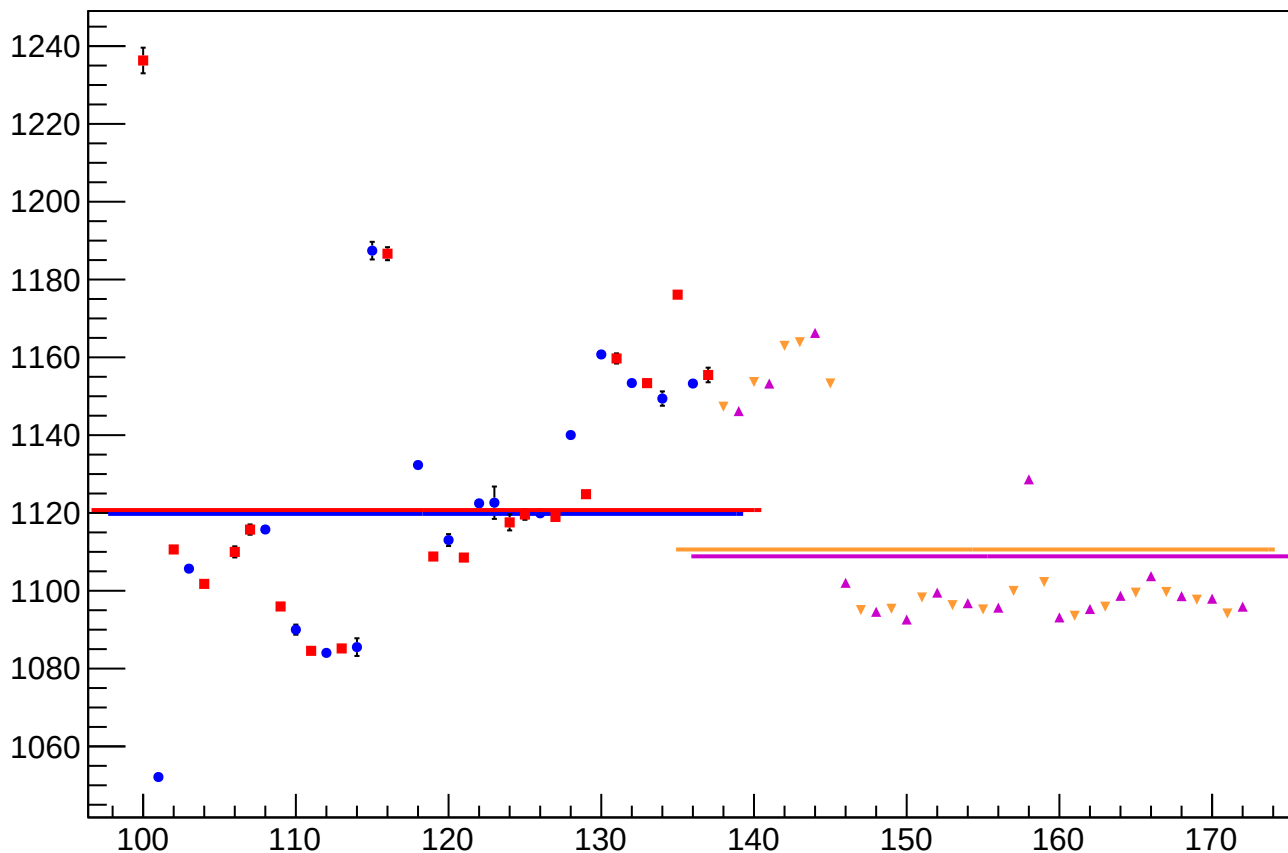
Left In: -2270.092 ± 304.513 $\chi^2/\text{NDF}: 24.7/16$

+ sign 2285.370 ± 247.804 $\chi^2/\text{NDF}: 27.9/34$

All: 40.150 ± 174.713 $\chi^2/\text{NDF}: 229.0/70$

- sign -2179.060 ± 246.364 $\chi^2/\text{NDF}: 37.8/35$

reg_asym_usr_rms vs Slug



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

Left Out: 1110.614 $\pm$ 0.214 χ^2 /NDF:13548.4/17

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

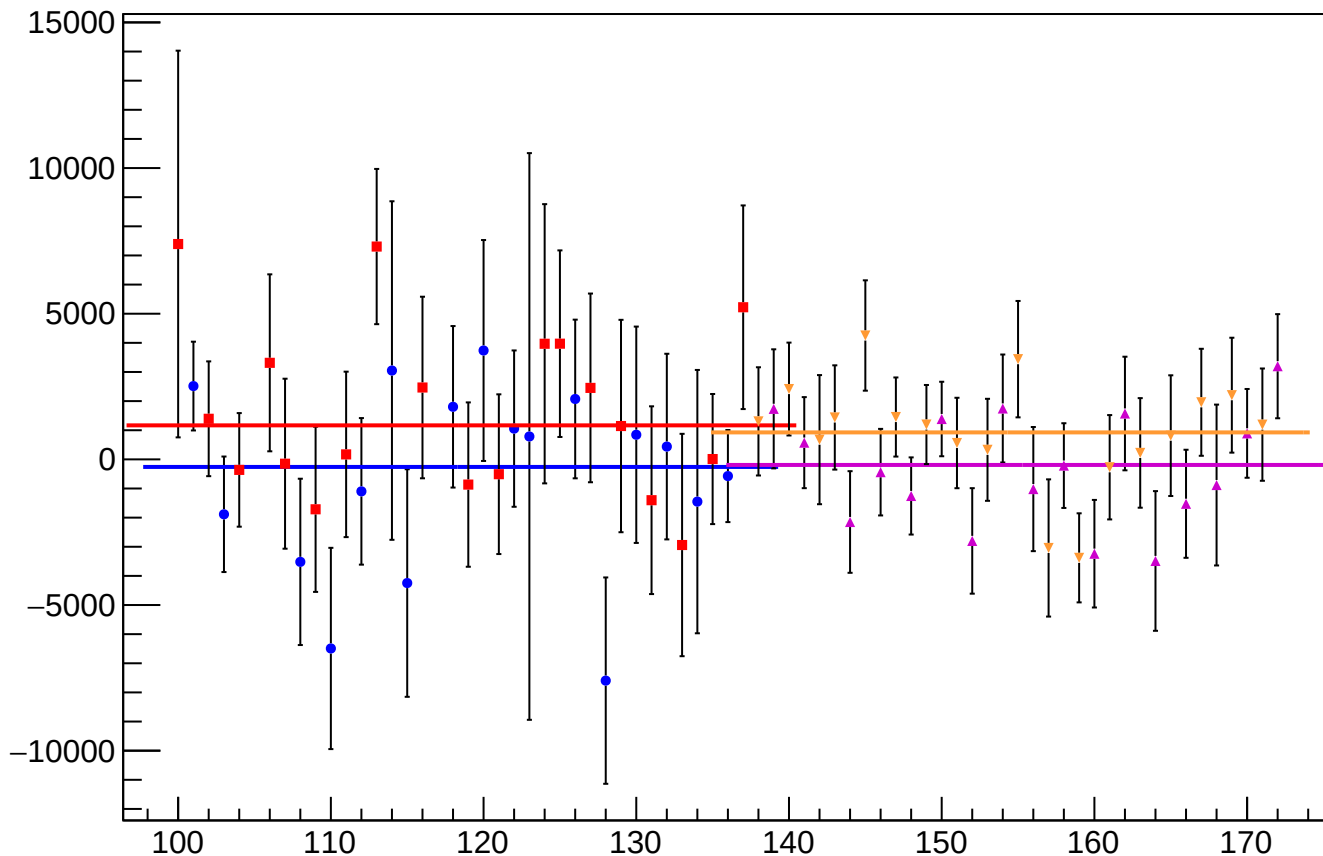
Left In: 1108.852 $\pm$ 0.215 χ^2 /NDF:11177.5/16

+ sign 1113.602 $\pm$ 0.175 χ^2 /NDF: 26024.7/34

All: 1113.279 $\pm$ 0.124 χ^2 /NDF: 48197.2/70

- 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: 925.802 ± 414.777 χ^2/NDF : 18.2/17

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

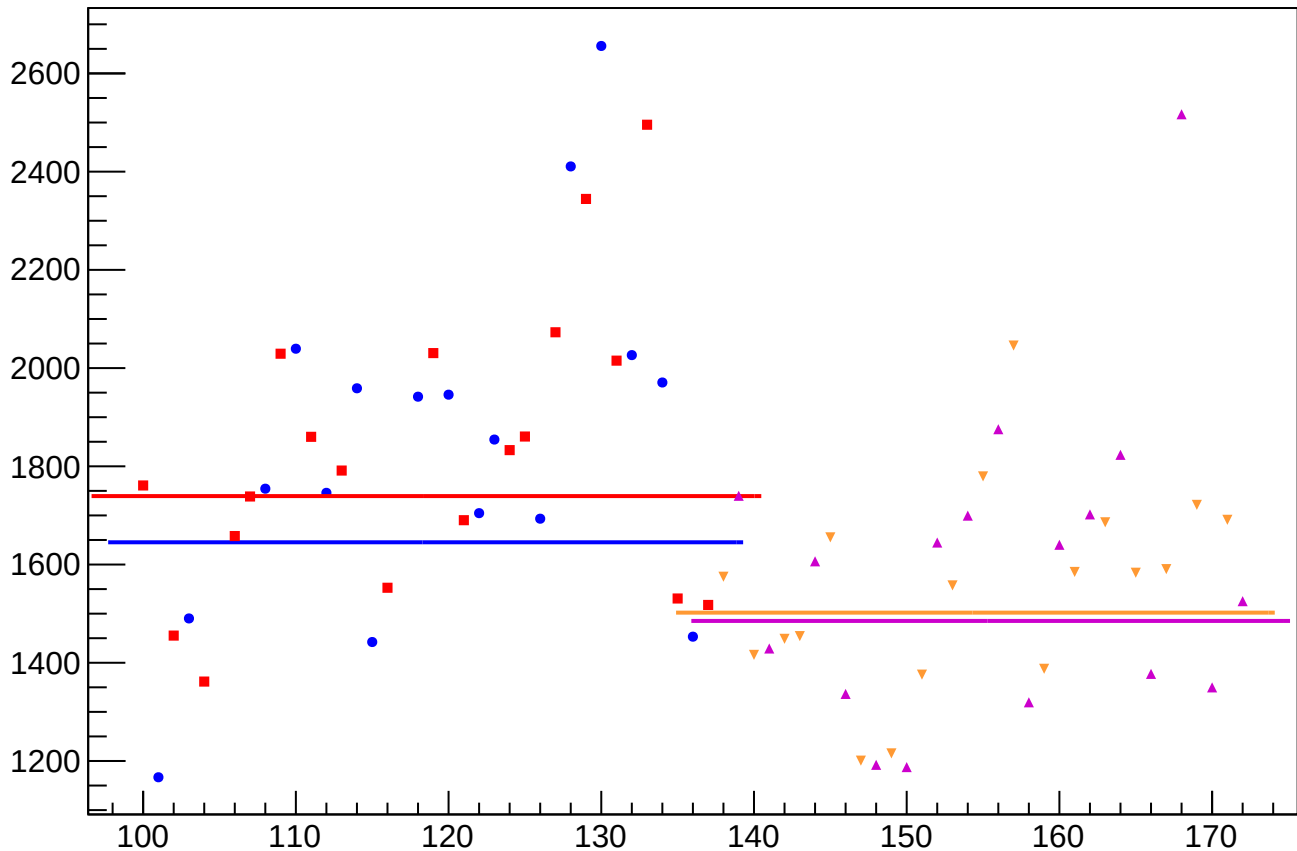
Left In: -191.540 ± 415.311 χ^2/NDF : 18.0/16

+ sign 586.651 ± 350.467 χ^2/NDF : 37.7/34

All: 390.094 ± 248.314 χ^2/NDF : 73.8/70

- 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: 1502.086+/-0.293 χ^2/NDF : 458936.3/17

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

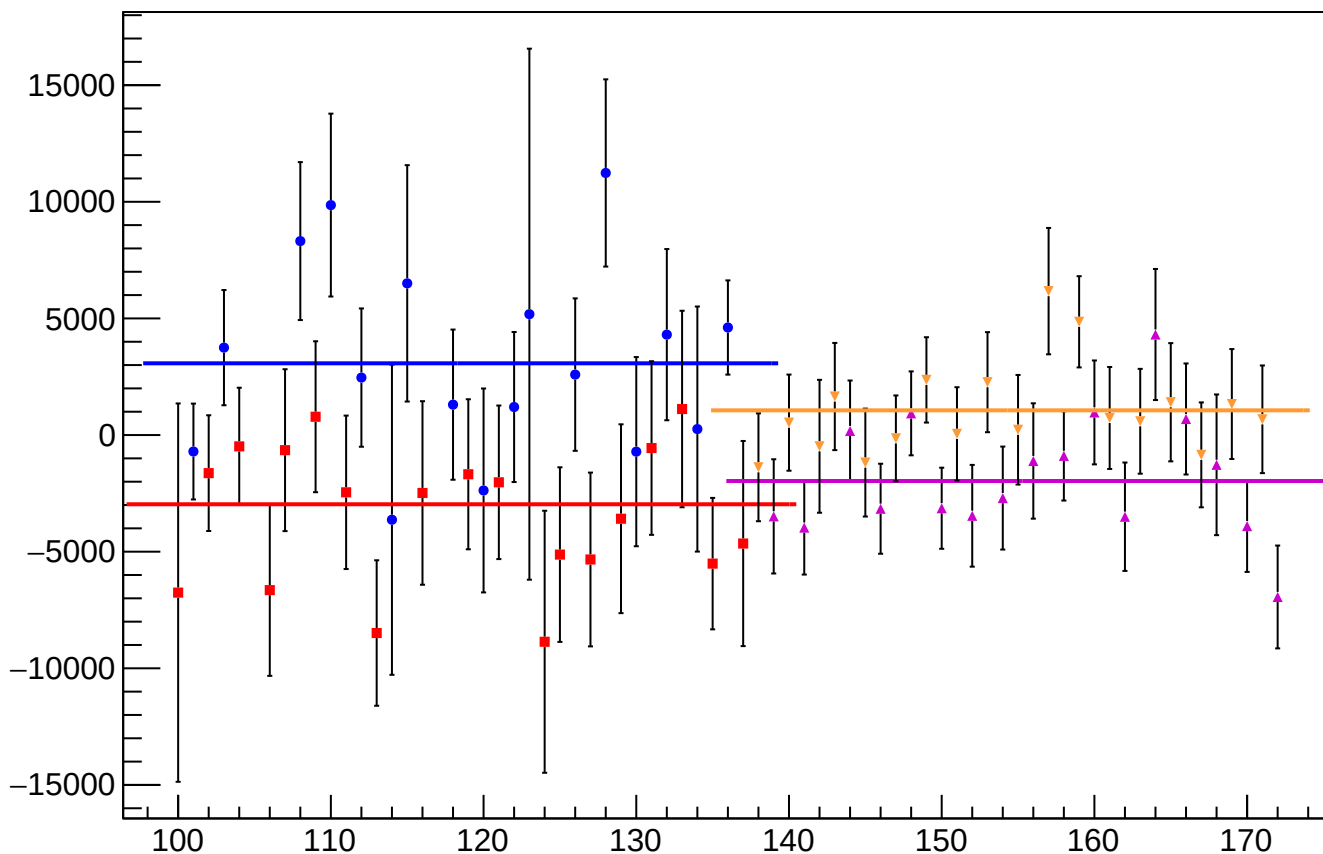
Left In: 1485.184+/-0.294 χ^2/NDF : 786421.5/16

+ sign 1543.055+/-0.248 χ^2/NDF : 1128063.0/34

All: 1549.954+/-0.176 χ^2/NDF : 2498462.2/70

- 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: 1058.912 $\pm$ 520.468 χ^2 /NDF:12.3/17

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

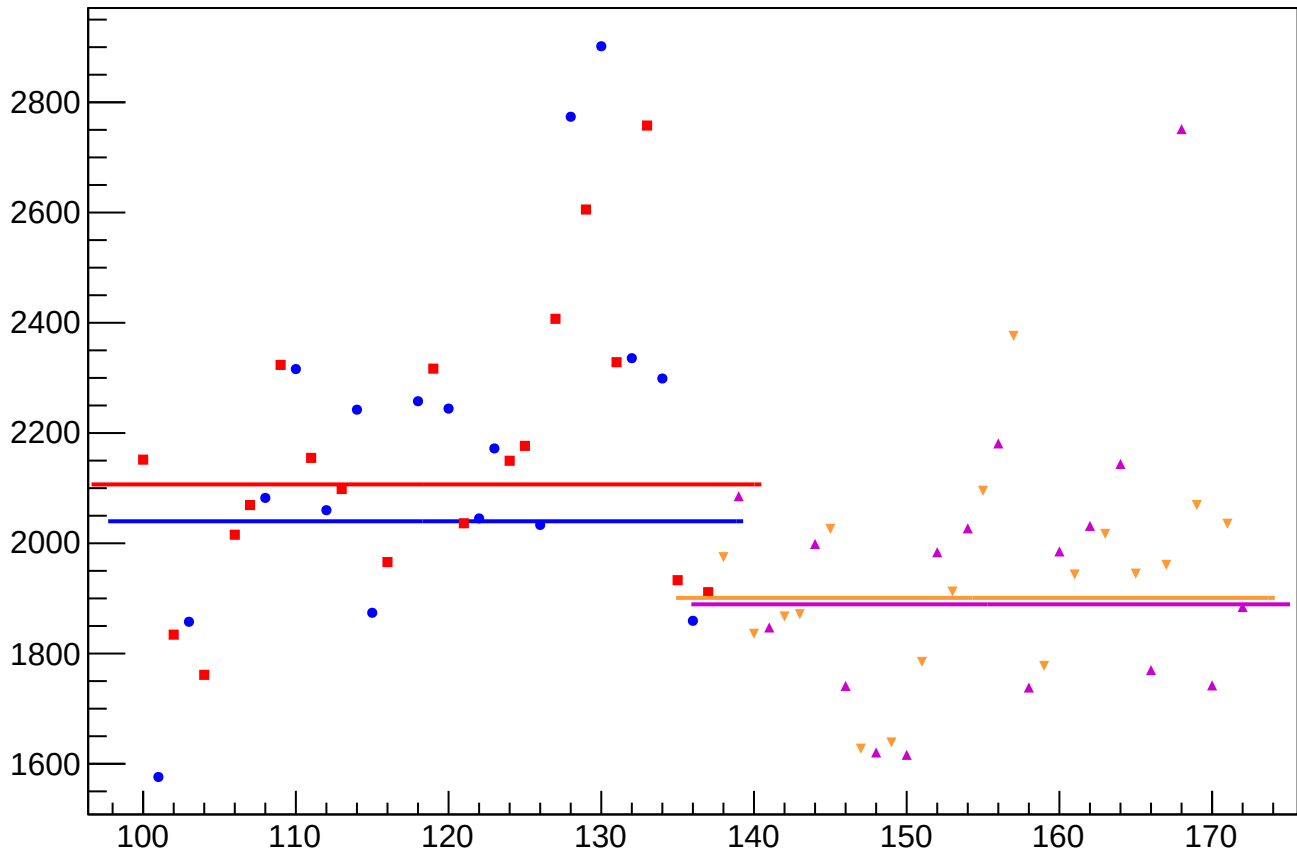
Left In: -1969.929 $\pm$ 523.293 χ^2 /NDF:21.3/16

+ sign 1656.229 $\pm$ 436.630 χ^2 /NDF: 35.3/34

All: -304.876 $\pm$ 308.948 χ^2 /NDF: 110.0/70

- 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: 1900.982+/-0.368 χ^2/NDF : 210994.2/17

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

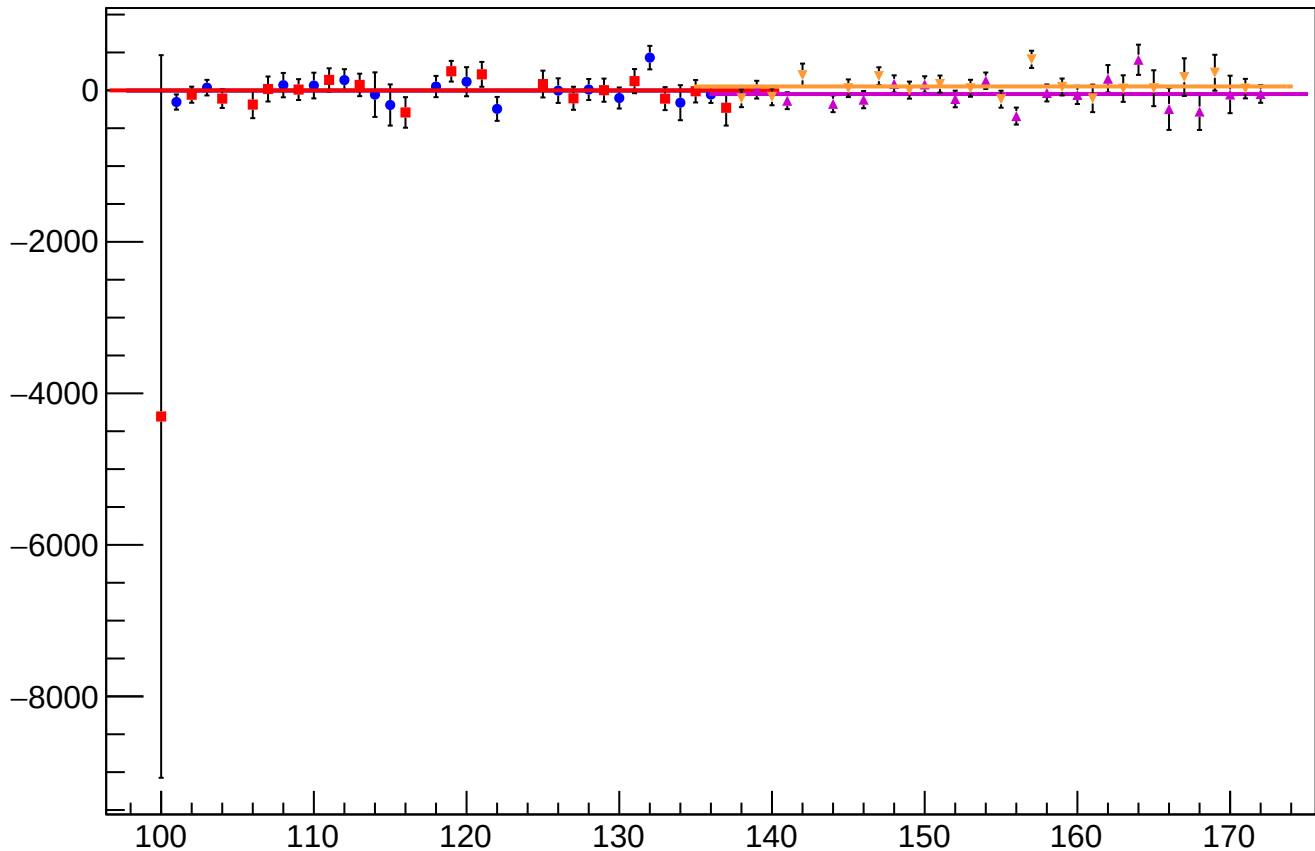
Left In: 1889.289+/-0.370 χ^2/NDF : 383673.6/16

+ sign 1942.144+/-0.309 χ^2/NDF : 585209.3/34

All: 1948.552+/-0.218 χ^2/NDF : 1269564.4/70

- 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: 51.221 ± 31.727 χ^2/NDF : 19.8/16

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

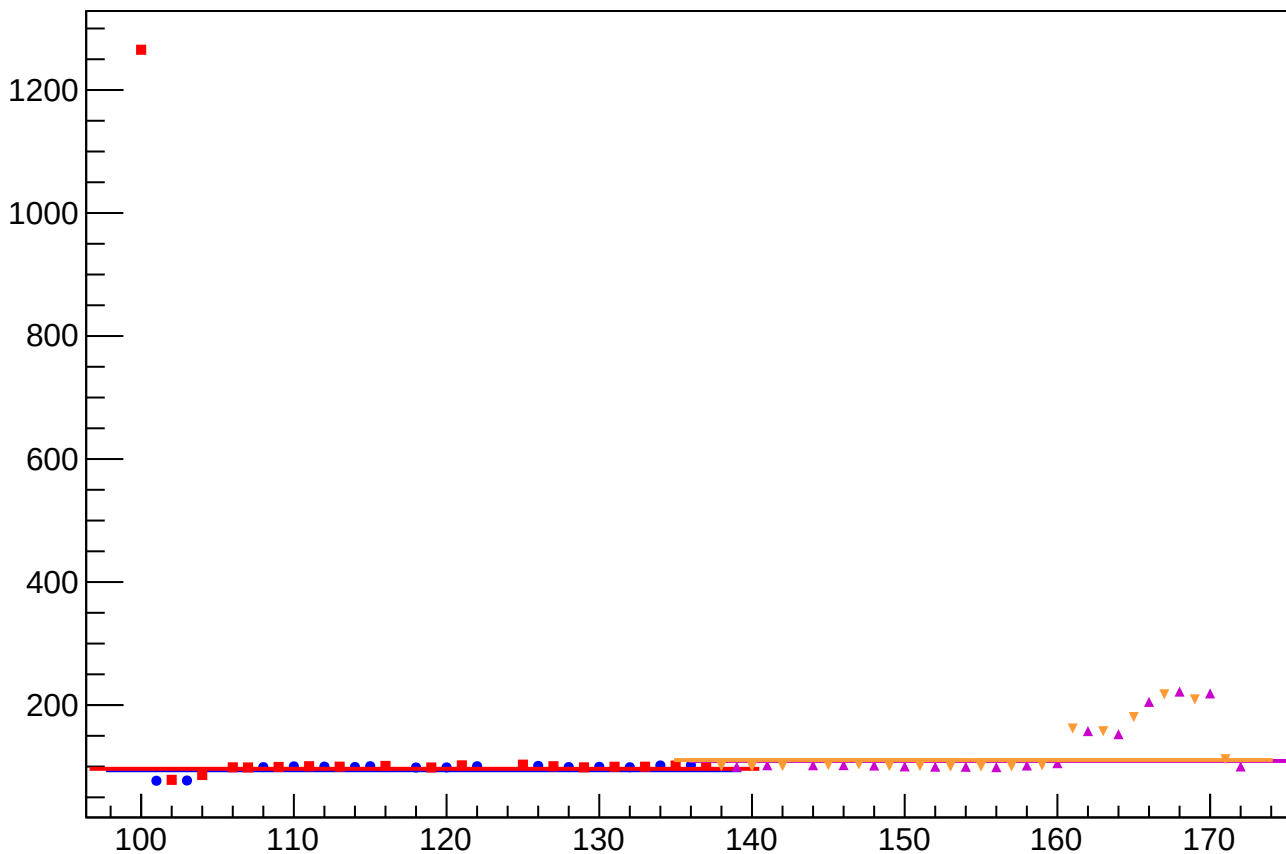
Left In: -48.930 ± 30.866 χ^2/NDF : 23.0/16

+ sign 27.919 ± 24.005 χ^2/NDF : 37.2/32

All: -0.928 ± 16.837 χ^2/NDF : 78.1/67

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

reg_asym_dsl_rms vs Slug



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

Left Out: 110.502+/-0.022 χ^2/NDF : 1351376.8/16

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

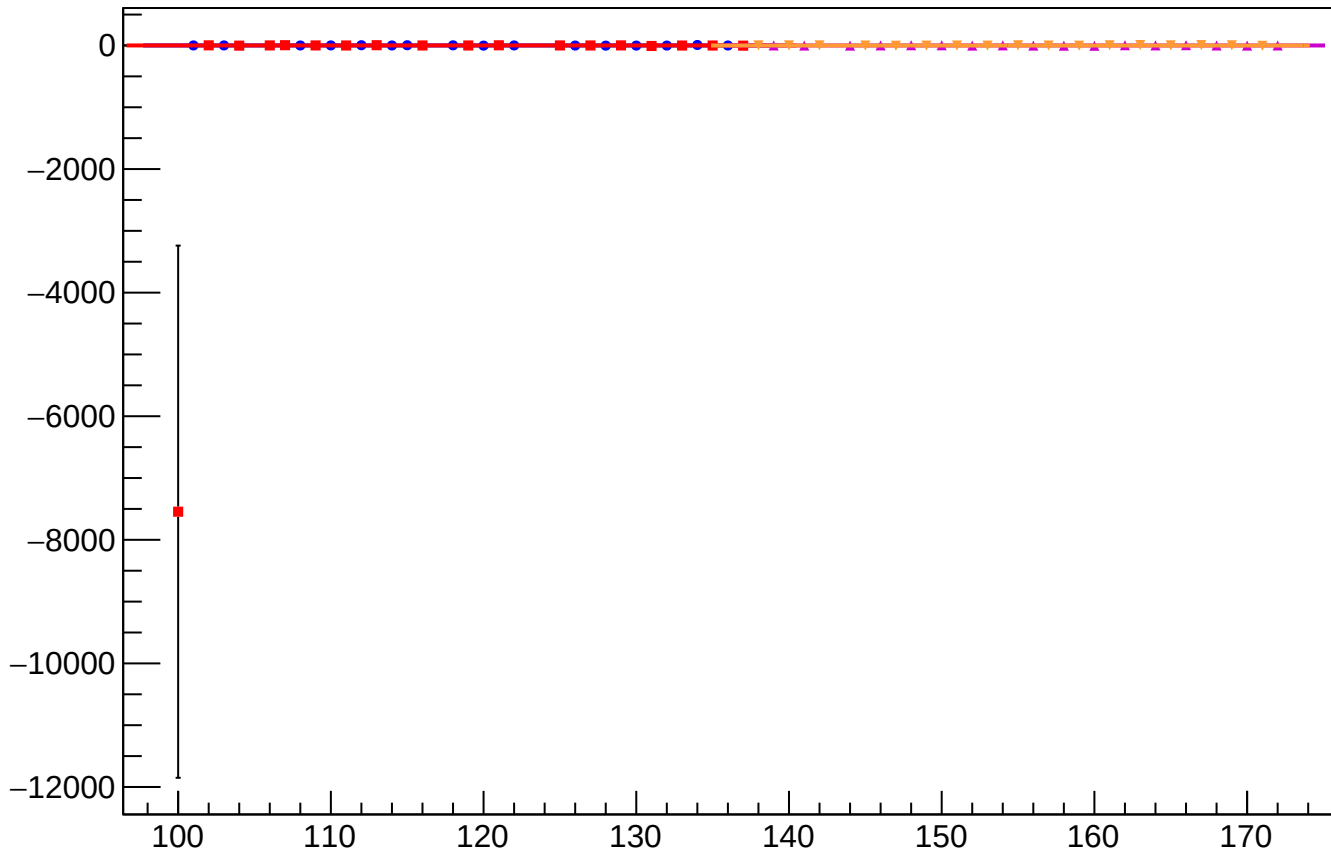
Left In: 109.165+/-0.022 χ^2/NDF : 1429925.2/16

+ sign 103.476+/-0.017 χ^2/NDF : 1733063.9/32

All: 103.674+/-0.012 χ^2/NDF : 3514834.6/67

- sign 103.865+/-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: -0.581 $\pm$ 0.557 χ^2 /NDF: 24.9/16

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

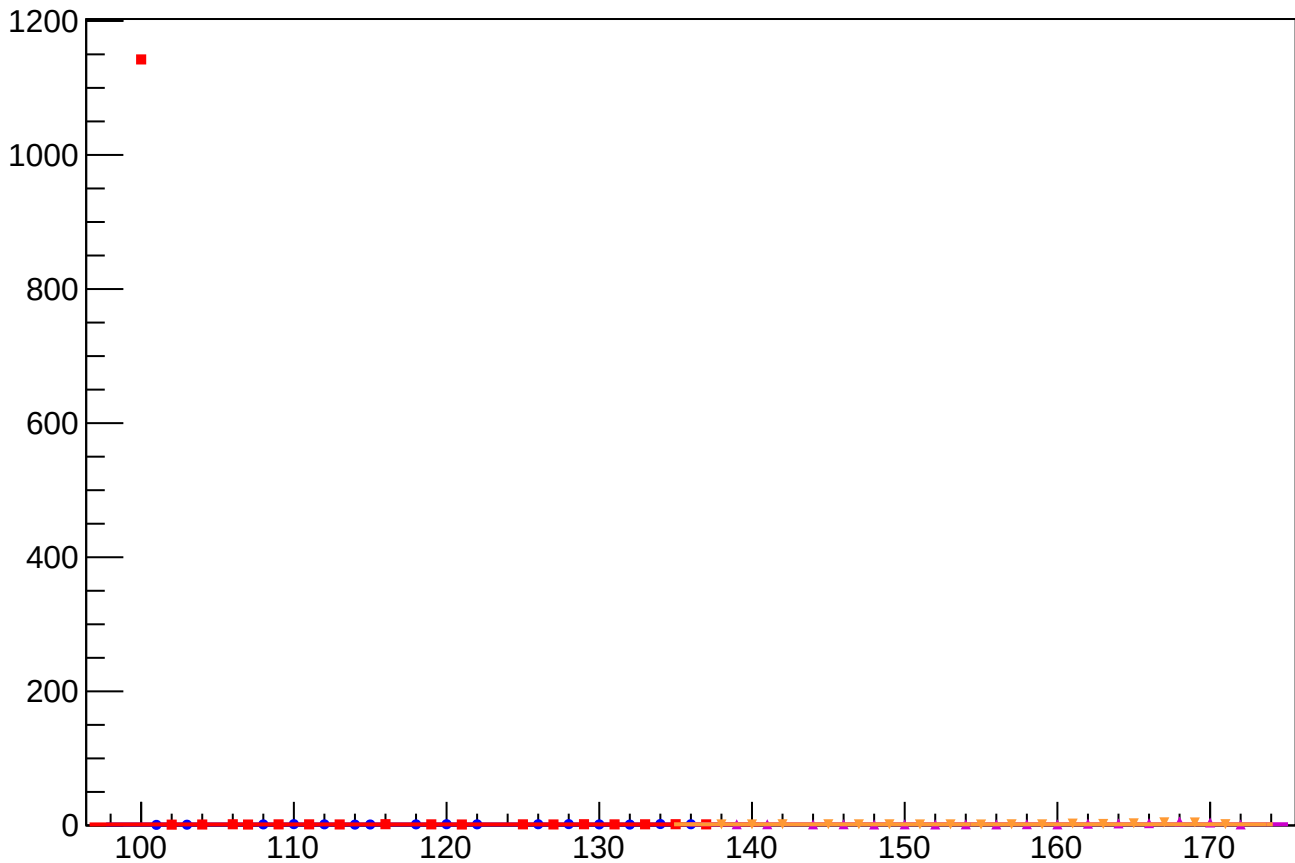
Left In: 0.096 $\pm$ 0.565 χ^2 /NDF: 21.1/16

+ sign -0.128 $\pm$ 0.413 χ^2 /NDF: 36.1/32

All: 0.027 $\pm$ 0.296 χ^2 /NDF: 80.3/67

- 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: 1.739 $\pm$ 0.000 χ^2 /NDF: 1468394.1/16

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

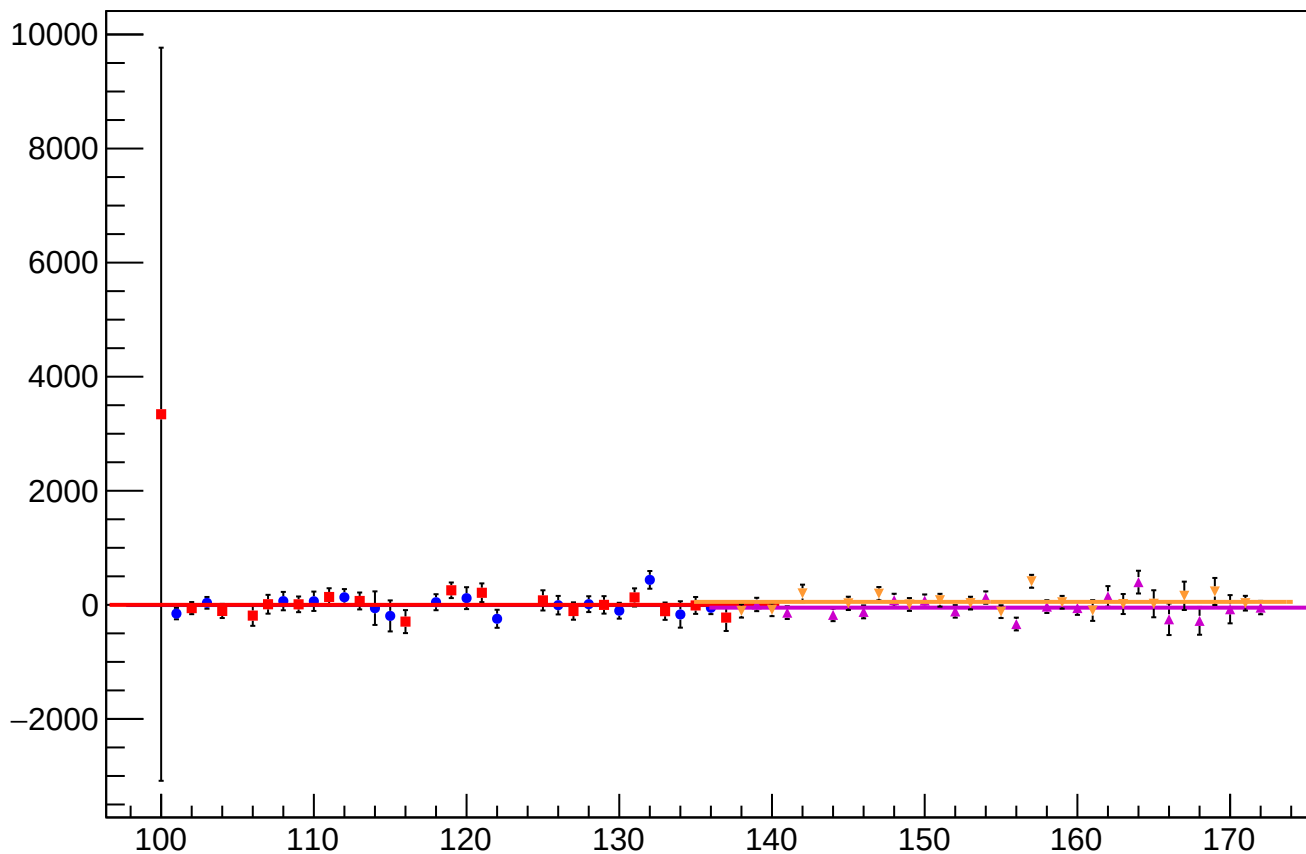
Left In: 1.817 $\pm$ 0.000 χ^2 /NDF: 1785379.2/16

+ sign 1.595 $\pm$ 0.000 χ^2 /NDF: 2495694.3/32

All: 1.648 $\pm$ 0.000 χ^2 /NDF: 4849594.3/67

- 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: 52.138 ± 31.737 χ^2/NDF : 20.2/16

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

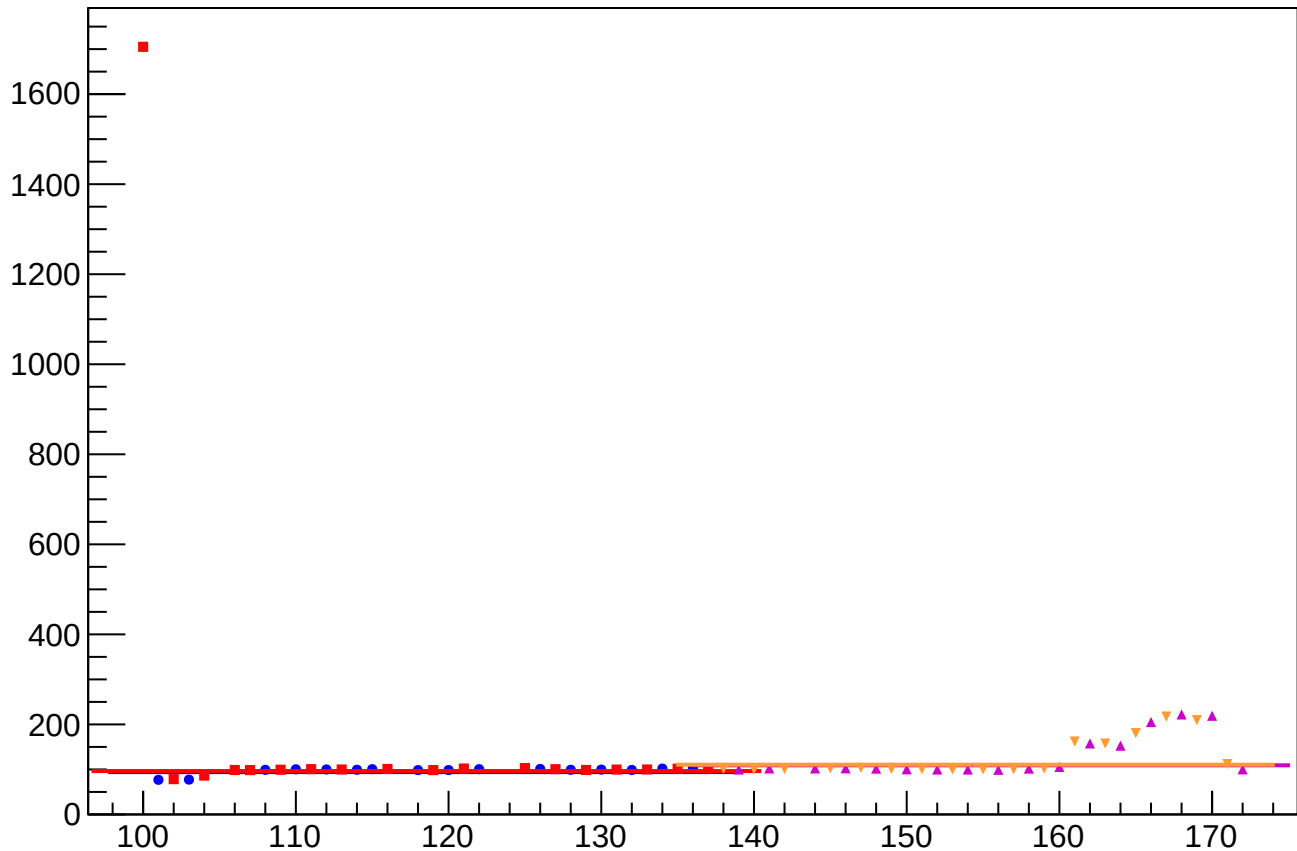
Left In: -49.246 ± 30.875 χ^2/NDF : 22.5/16

+ sign 28.522 ± 24.012 χ^2/NDF : 37.8/32

All: -0.658 ± 16.842 χ^2/NDF : 77.8/67

- 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: 110.532+/-0.022 χ^2/NDF : 1352712.9/16

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

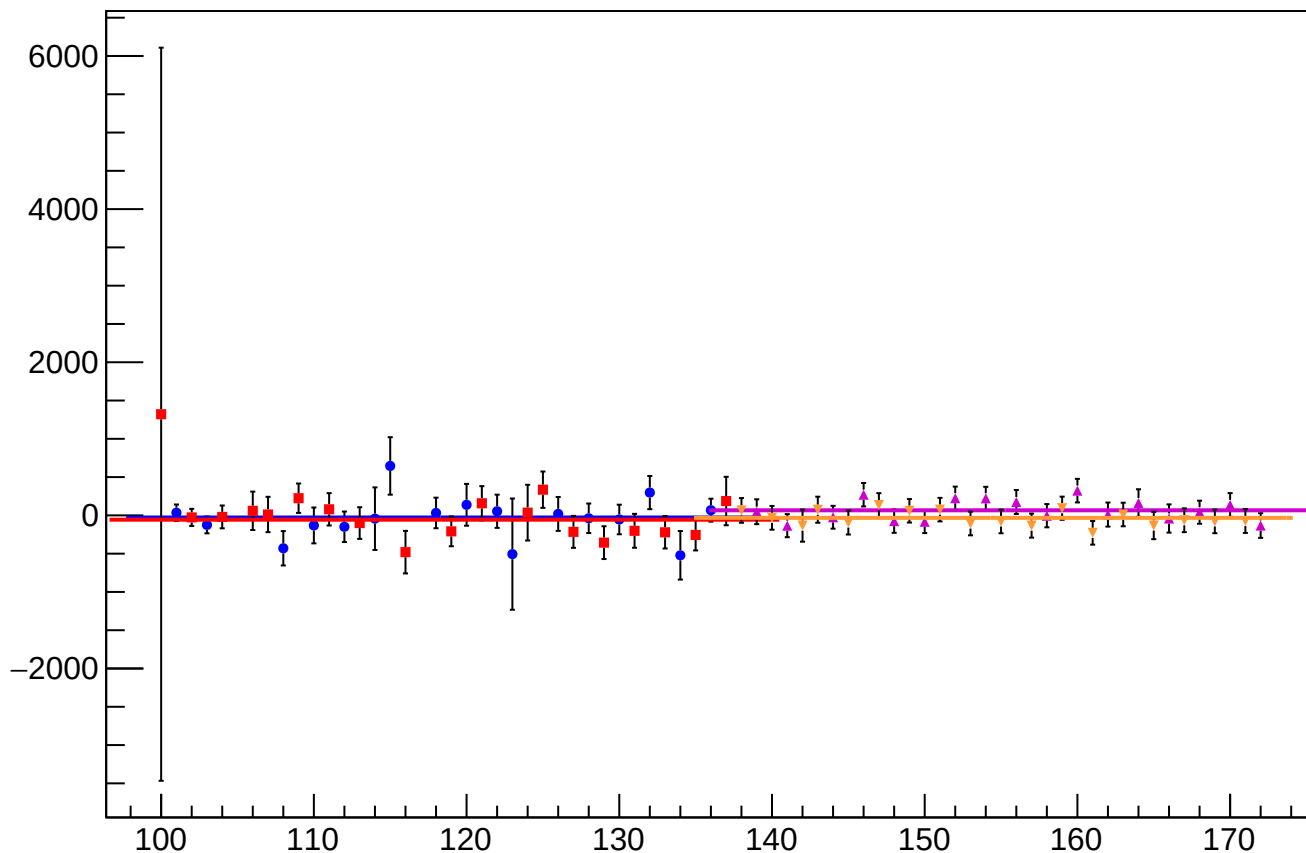
Left In: 109.195+/-0.022 χ^2/NDF : 1431195.2/16

+ sign 103.503+/-0.017 χ^2/NDF : 1734452.3/32

All: 103.698+/-0.012 χ^2/NDF : 3523005.1/67

- 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: -32.310 ± 37.491 χ^2/NDF : 6.8/17

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

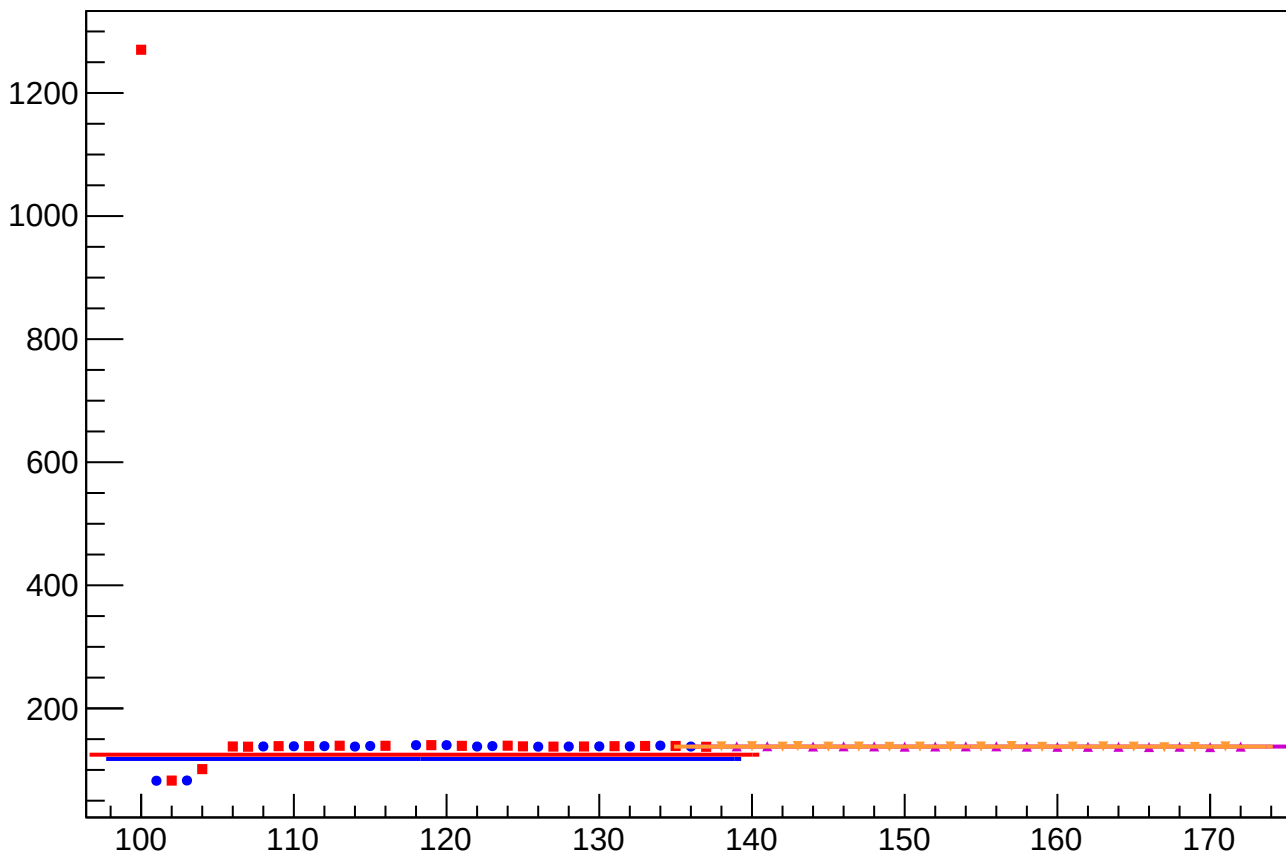
Left In: 66.203 ± 37.883 χ^2/NDF : 13.9/16

+ sign -30.562 ± 29.254 χ^2/NDF : 21.0/34

All: -6.231 ± 20.830 χ^2/NDF : 55.3/70

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

reg_asym_dsr_rms vs Slug



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

Left Out: 137.913 $\pm$ 0.027 χ^2 /NDF: 326.0/17

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

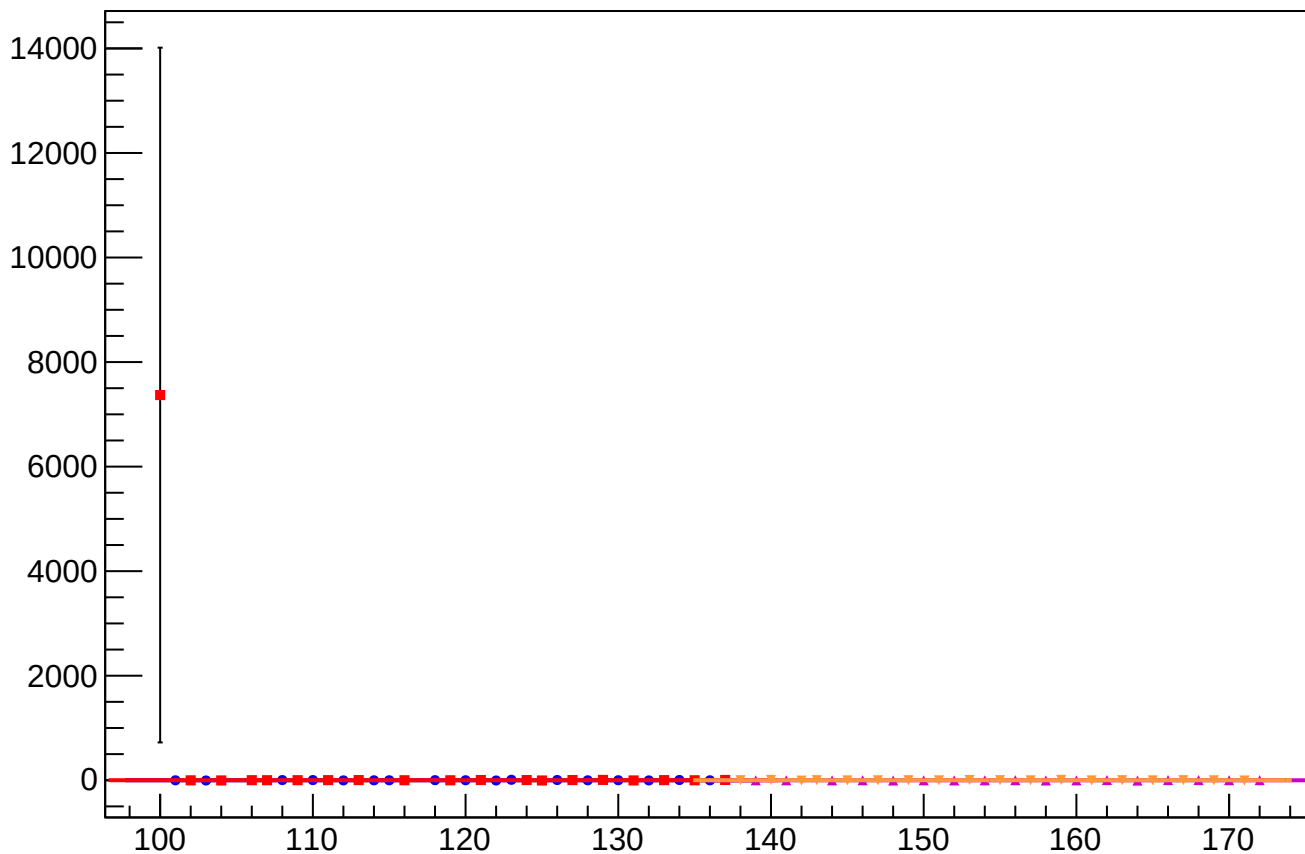
Left In: 137.969 $\pm$ 0.027 χ^2 /NDF: 221.9/16

+ sign 130.052 $\pm$ 0.021 χ^2 /NDF: 891706.5/34

All: 131.438 $\pm$ 0.015 χ^2 /NDF: 1564785.6/70

- sign 132.863 $\pm$ 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: 0.198 ± 0.654 χ^2/NDF : 22.9/17

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

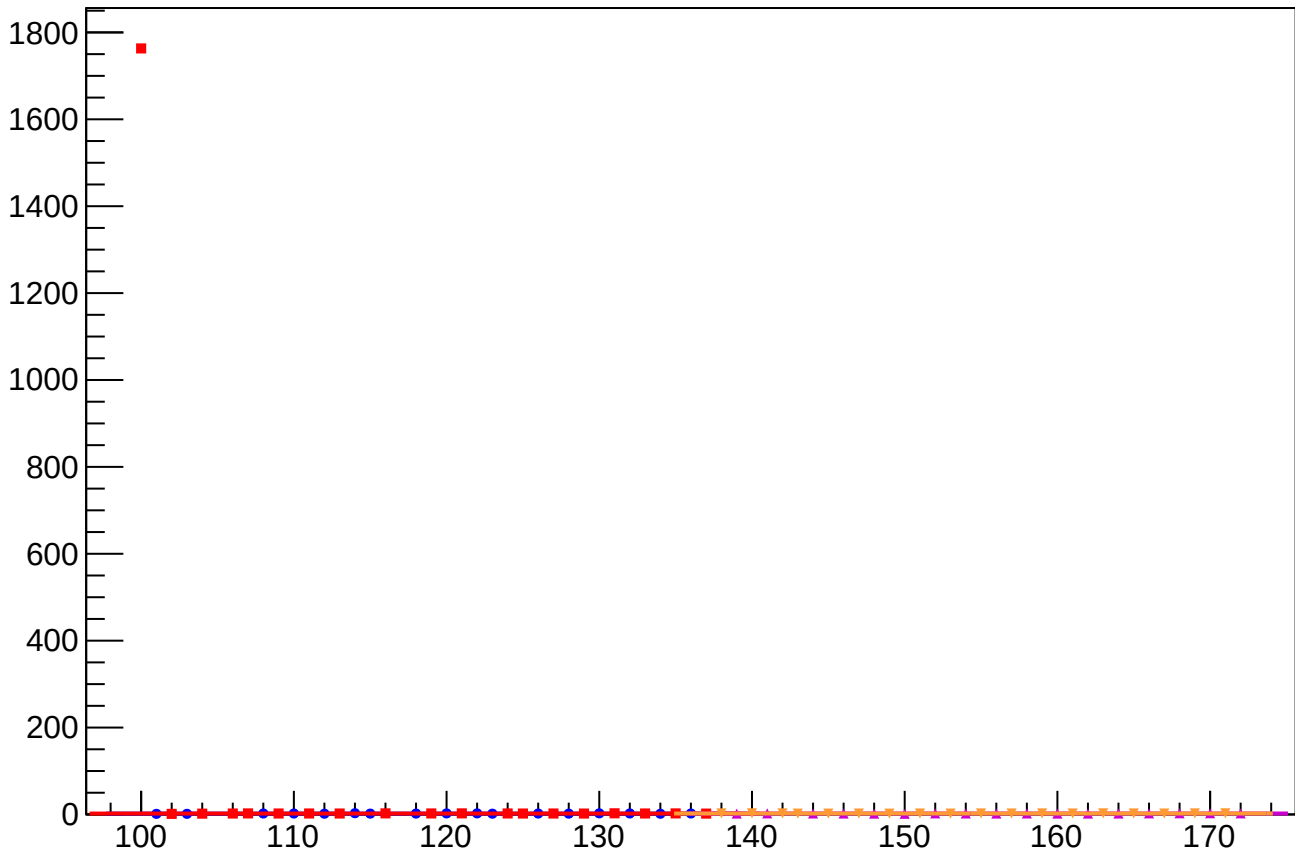
Left In: -0.506 ± 0.662 χ^2/NDF : 16.6/16

+ sign -0.155 ± 0.509 χ^2/NDF : 36.3/34

All: -0.114 ± 0.365 χ^2/NDF : 67.7/70

- 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: 2.210 $\pm$ 0.000 χ^2 /NDF:258575.4/17

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

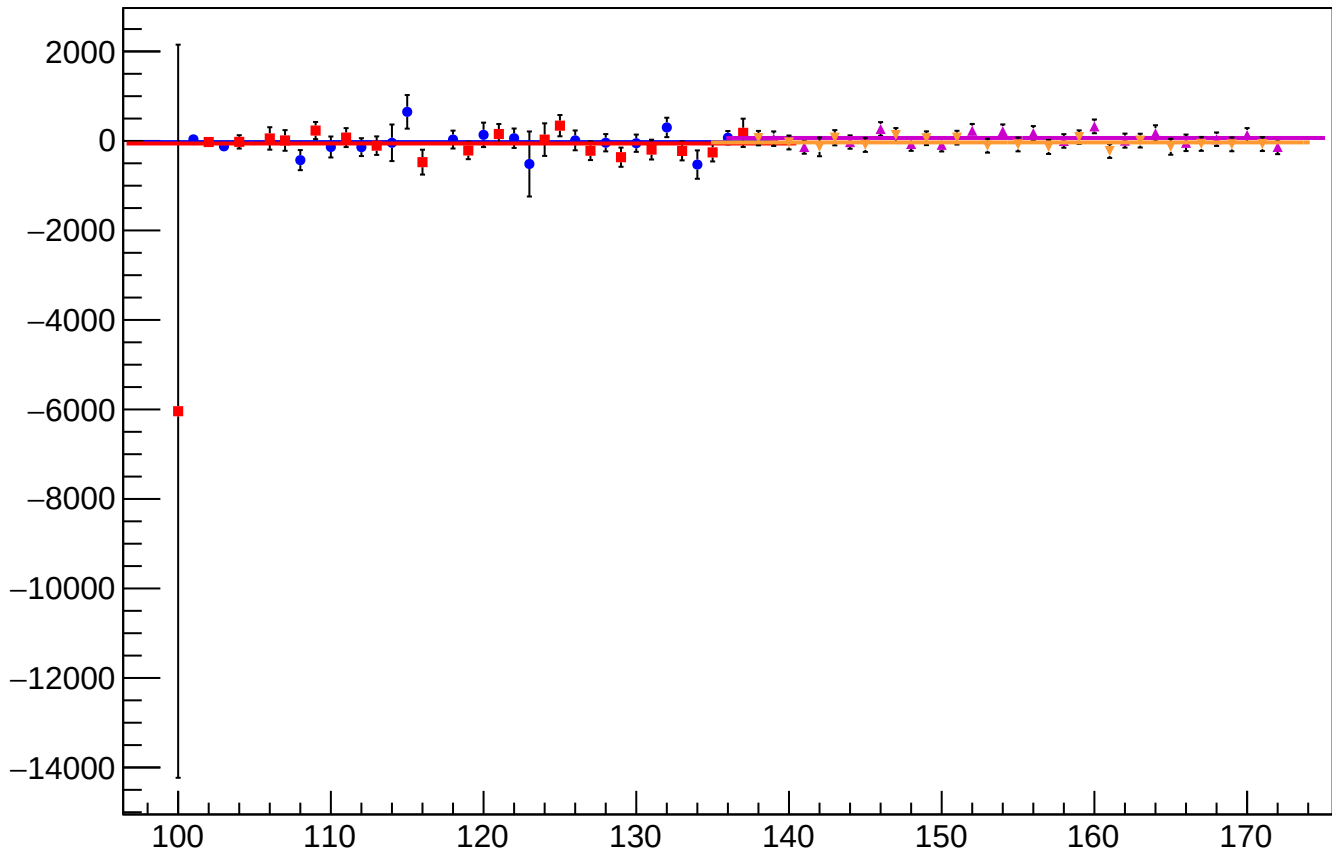
Left In: 2.174 $\pm$ 0.000 χ^2 /NDF:466357.2/16

+ sign 2.076 $\pm$ 0.000 χ^2 /NDF: 966485.7/34

All: 2.104 $\pm$ 0.000 χ^2 /NDF: 1991164.7/70

- 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: -33.007 ± 37.501 χ^2/NDF : 6.5/17

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

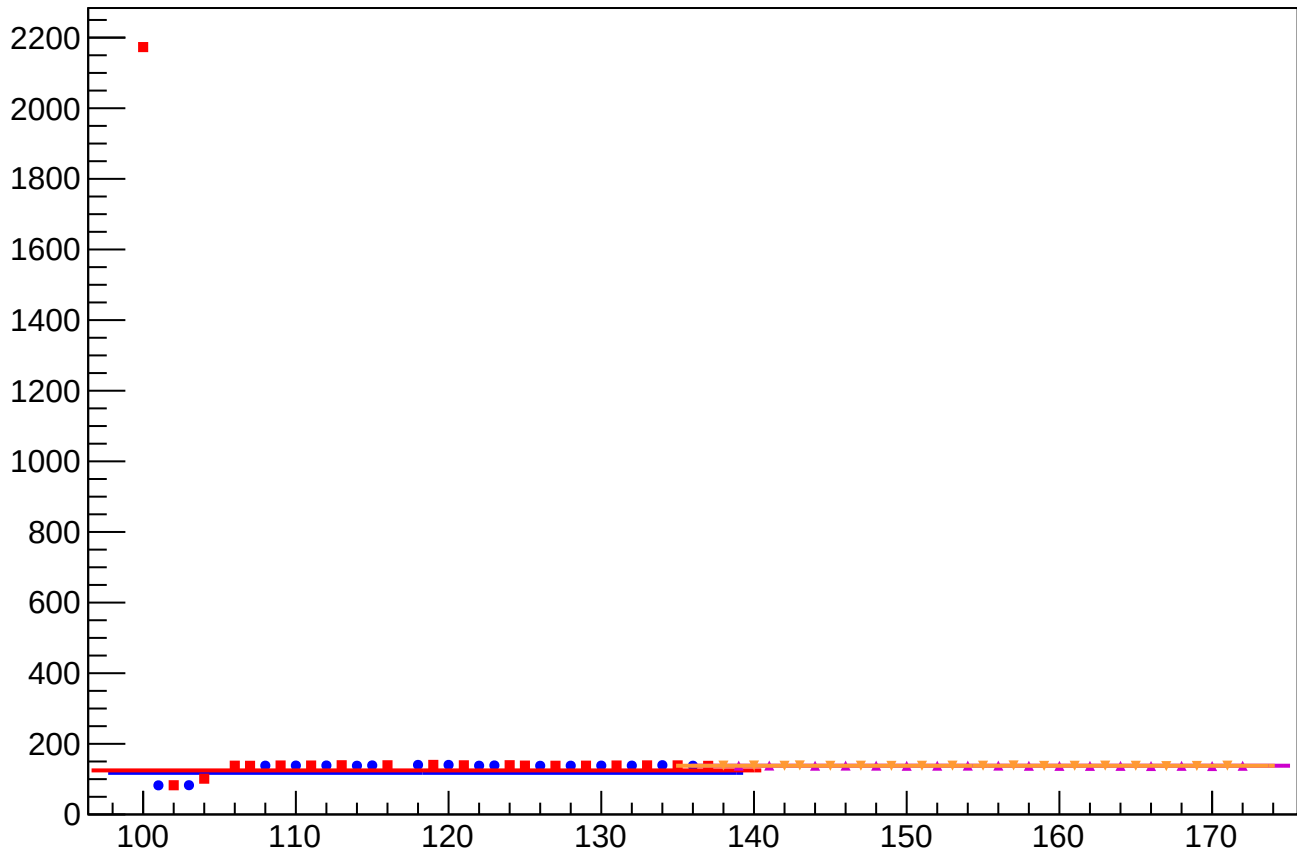
Left In: 66.301 ± 37.894 χ^2/NDF : 14.0/16

+ sign -30.368 ± 29.262 χ^2/NDF : 20.9/34

All: -6.269 ± 20.836 χ^2/NDF : 55.8/70

- 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: 137.950 $\pm$ 0.027 χ^2 /NDF: 325.8/17

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

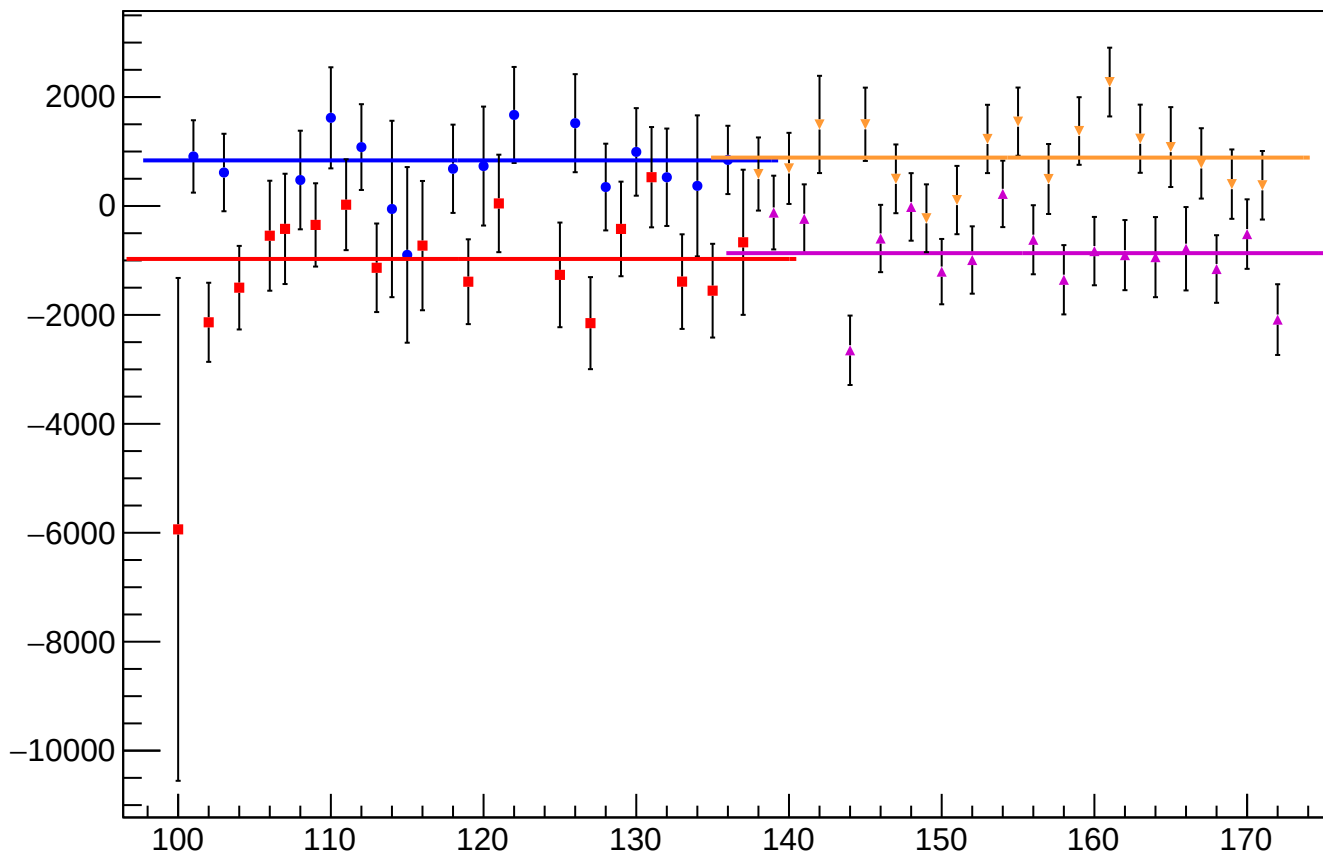
Left In: 138.009 $\pm$ 0.027 χ^2 /NDF: 218.4/16

+ sign 130.087 $\pm$ 0.021 χ^2 /NDF: 891740.2/34

All: 131.465 $\pm$ 0.015 χ^2 /NDF: 1575949.5/70

- 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: 888.429 ± 157.960 χ^2/NDF : 15.6/16

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

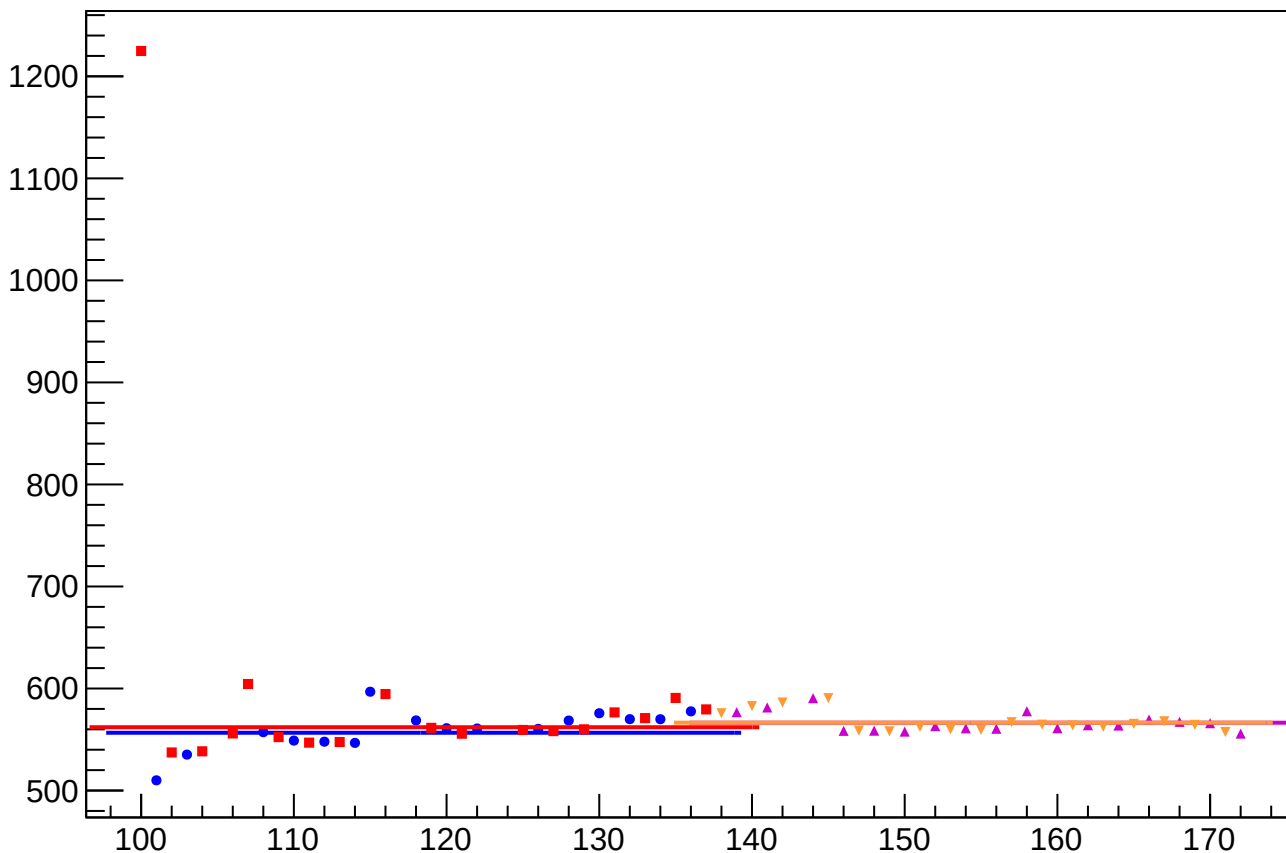
Left In: -865.916 ± 155.552 χ^2/NDF : 20.5/16

+ sign 870.545 ± 127.541 χ^2/NDF : 20.3/32

All: -30.059 ± 89.479 χ^2/NDF : 153.4/67

- 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: 566.530 $\pm$ 0.112 χ^2 /NDF: 6983.8/16

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

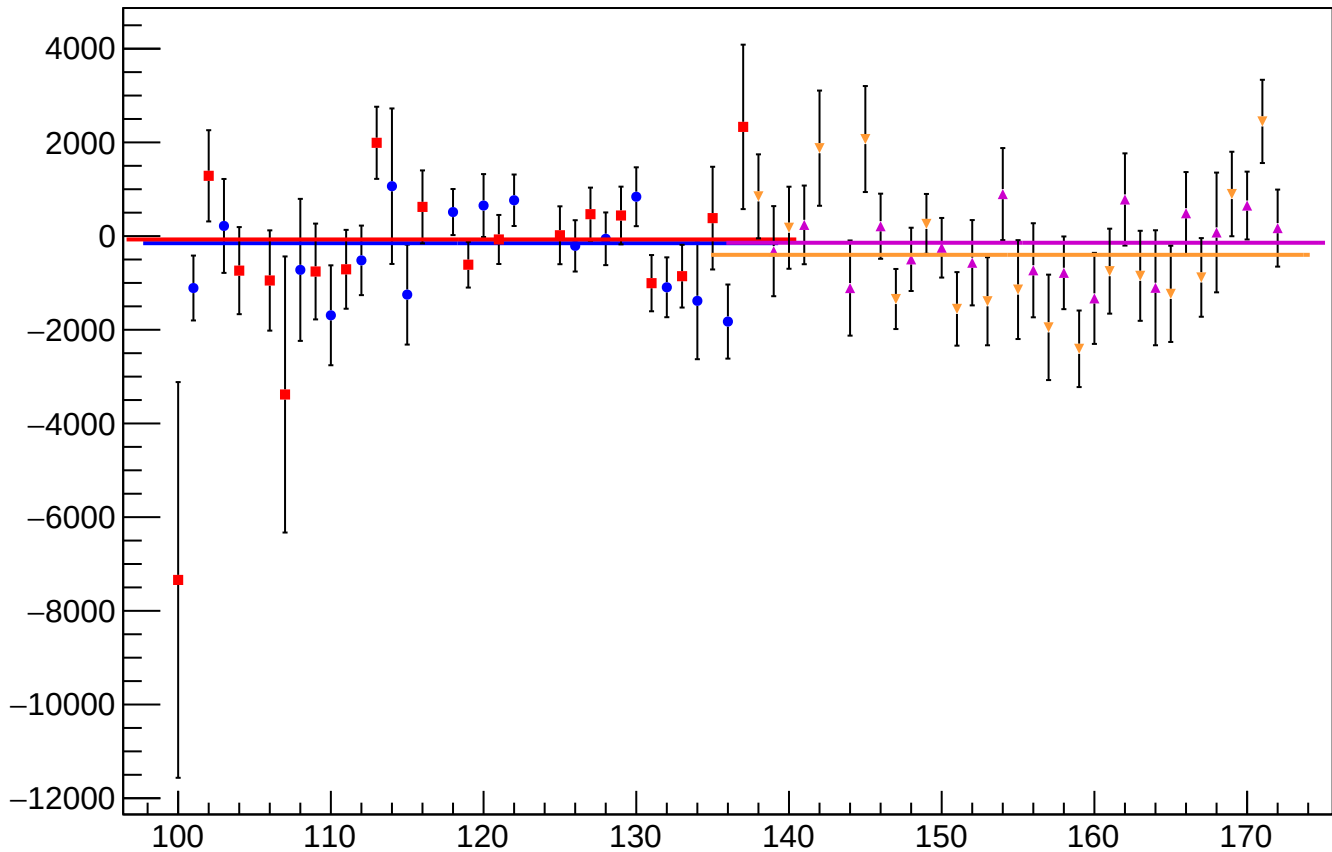
Left In: 566.468 $\pm$ 0.110 χ^2 /NDF: 7309.5/16

+ sign 563.086 $\pm$ 0.090 χ^2 /NDF: 28105.7/32

All: 564.022 $\pm$ 0.063 χ^2 /NDF: 91765.0/67

- 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: -400.156 ± 213.337 χ^2/NDF : 39.2/16

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

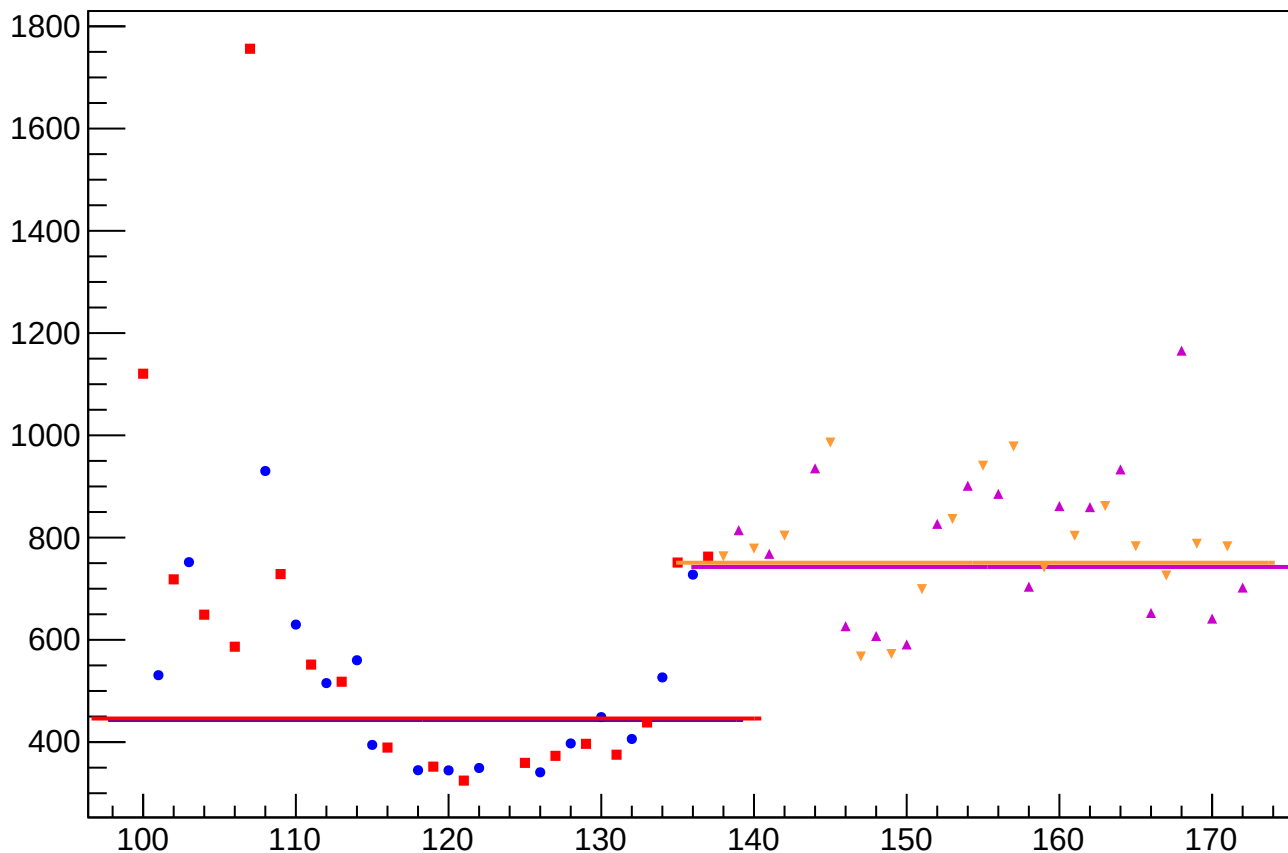
Left In: -142.533 ± 207.887 χ^2/NDF : 9.0/16

+ sign -255.176 ± 137.608 χ^2/NDF : 62.3/32

All: -177.317 ± 96.549 χ^2/NDF : 97.0/67

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

asym_left_avg_correction_rms vs Slug



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

Left Out: 750.864+/-0.151 χ^2/NDF : 627041.9/16

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

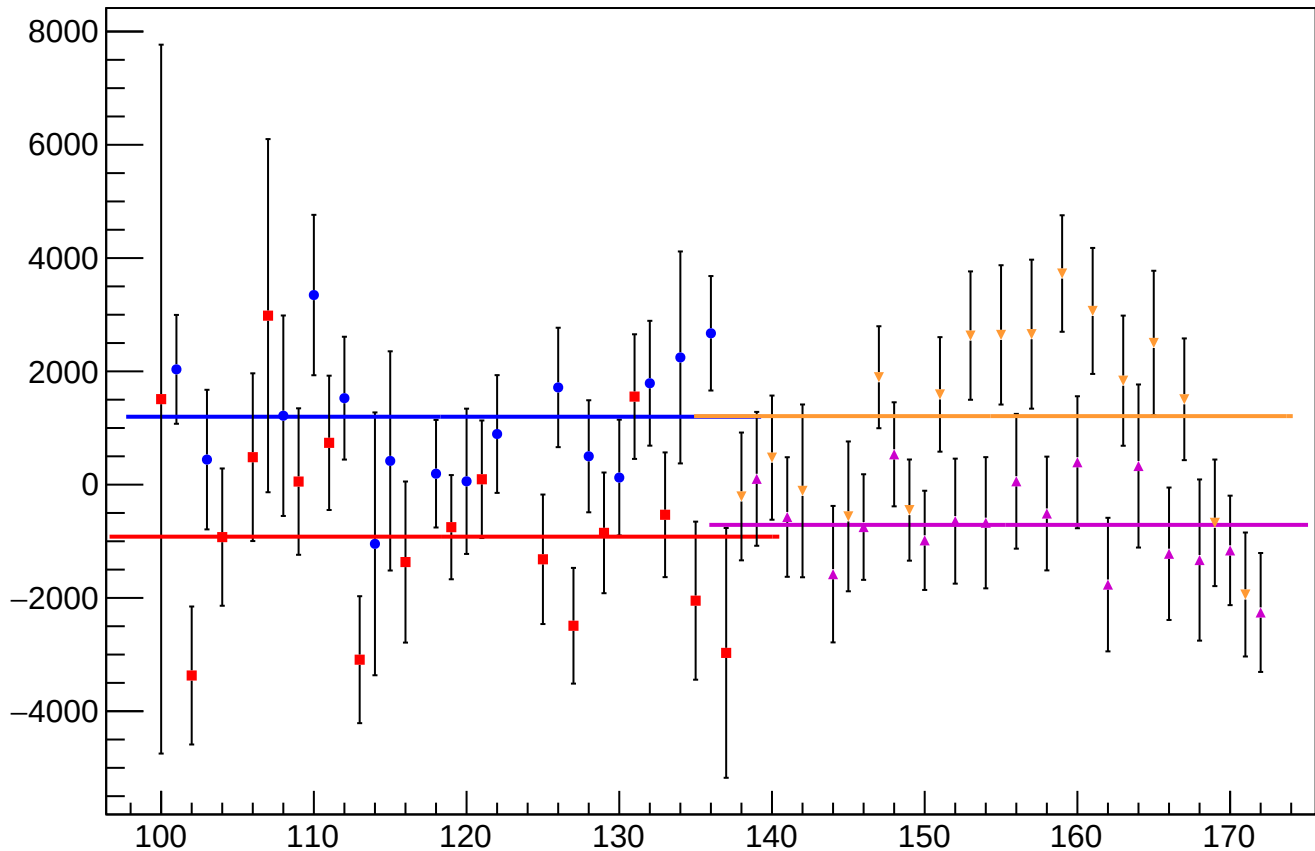
Left In: 742.559+/-0.147 χ^2/NDF : 839351.4/16

+ sign 571.354+/-0.097 χ^2/NDF : 4112976.7/32

All: 571.719+/-0.068 χ^2/NDF : 8750973.0/67

- sign 572.073+/-0.096 χ^2/NDF : 4637968.5/34

asym_left_avg_mean vs Slug



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

Left Out: 1209.748 $\pm$ 269.856 χ^2 /NDF: 34.2/16

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

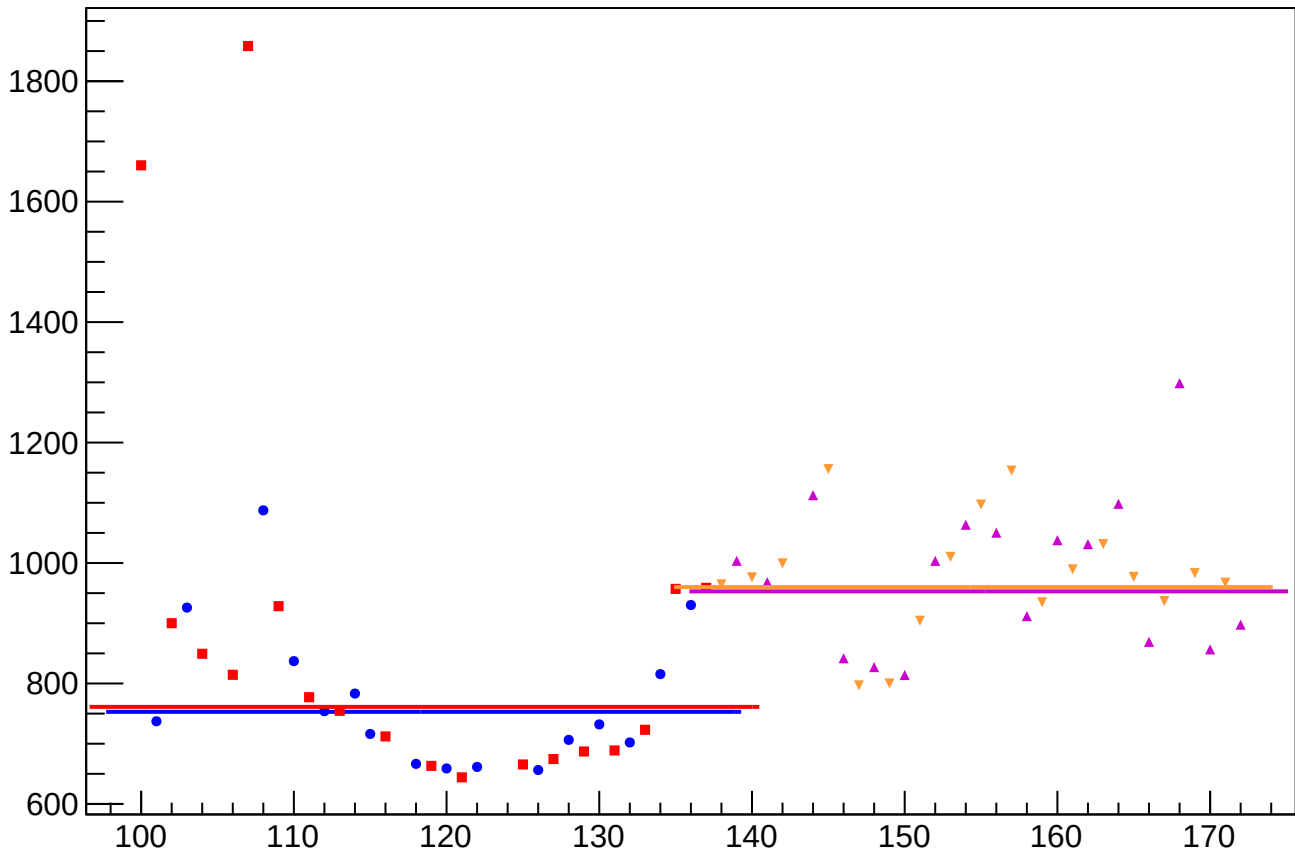
Left In: -710.324 $\pm$ 263.991 χ^2 /NDF: 8.4/16

+ sign 1204.843 $\pm$ 199.189 χ^2 /NDF: 45.4/32

All: 185.586 $\pm$ 139.784 χ^2 /NDF: 128.9/67

- sign -803.457 $\pm$ 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: 960.058+/-0.191 χ^2/NDF : 266214.7/16

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

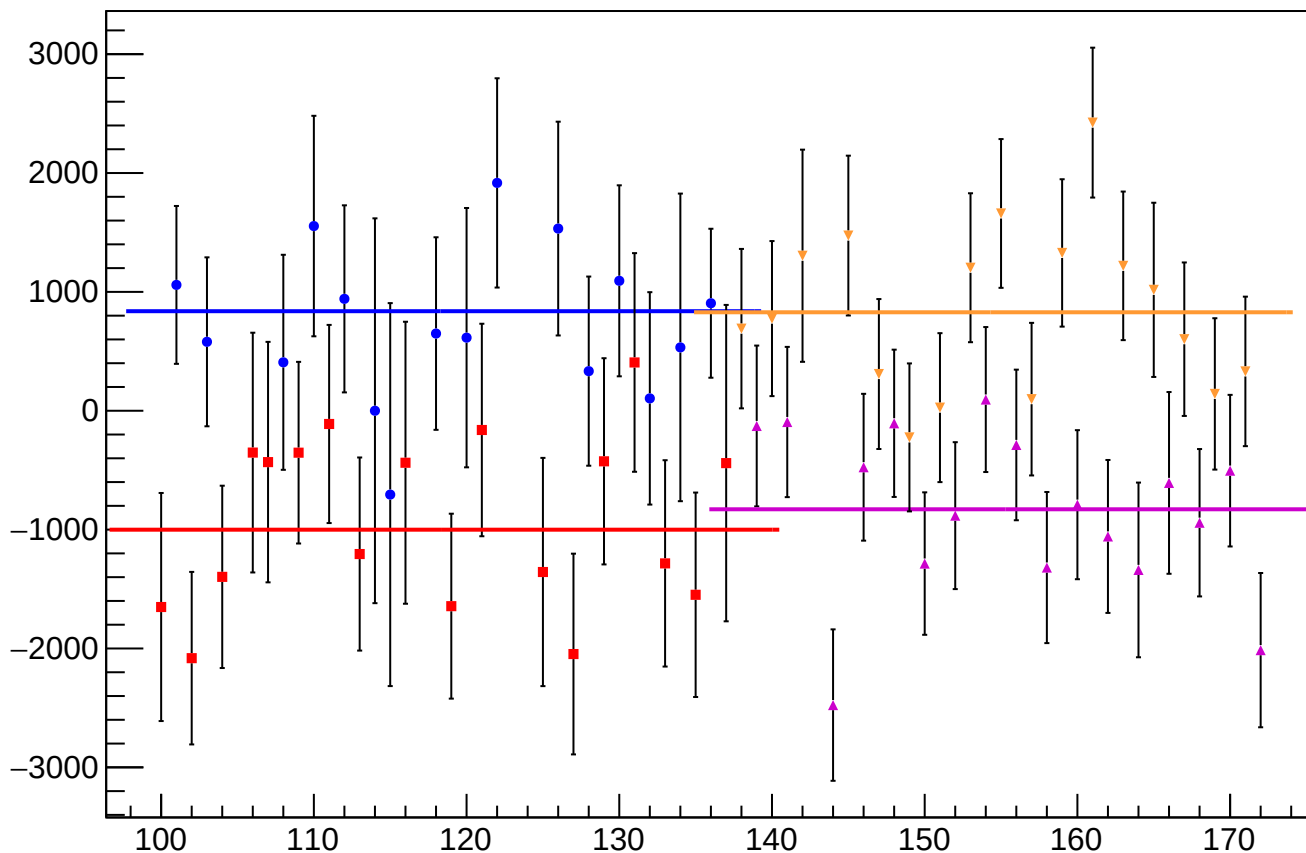
Left In: 952.940+/-0.187 χ^2/NDF : 388345.2/16

+ sign 865.784+/-0.141 χ^2/NDF : 1055010.7/32

All: 866.455+/-0.099 χ^2/NDF : 2432938.6/67

- 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: 828.505 ± 157.827 χ^2/NDF : 19.3/16

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

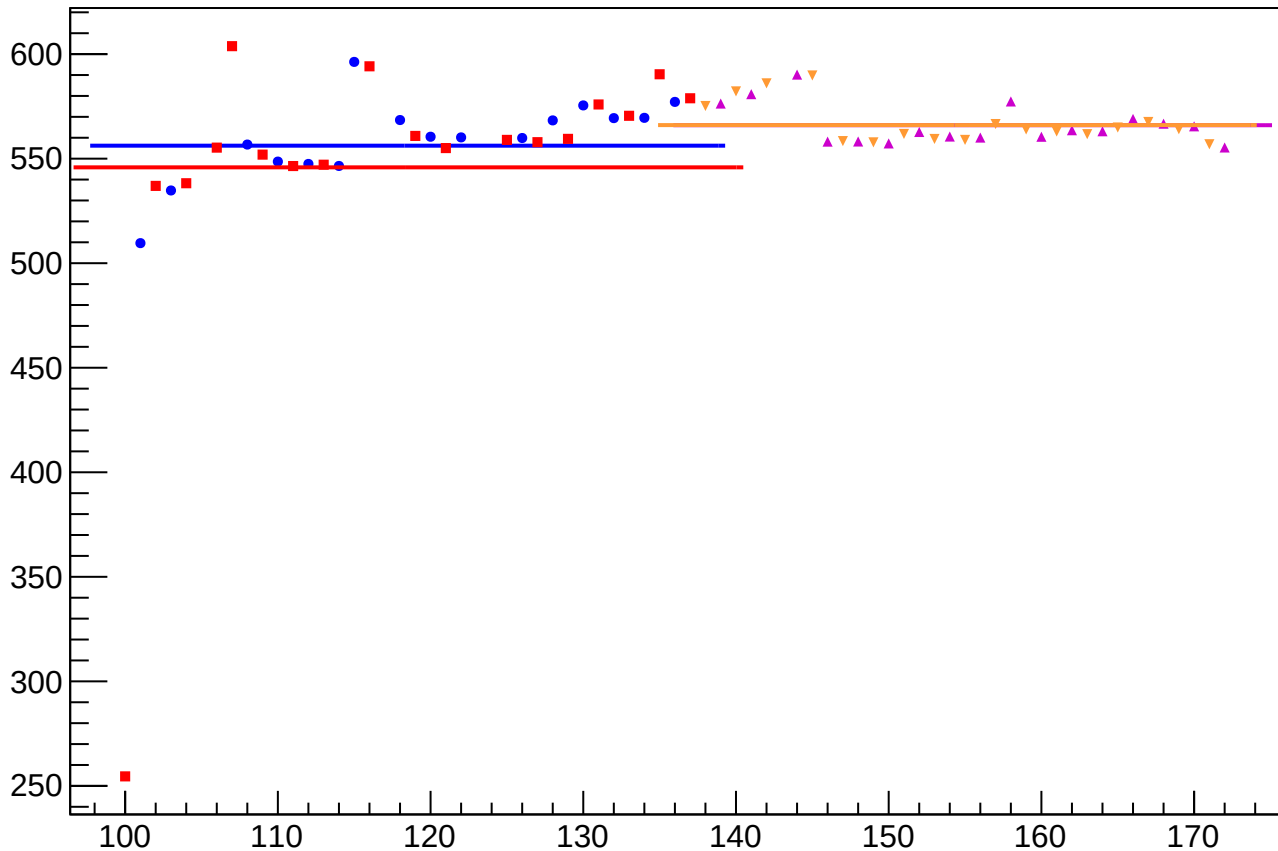
Left In: -828.934 ± 155.424 χ^2/NDF : 19.3/16

+ sign 831.655 ± 127.437 χ^2/NDF : 25.0/32

All: -49.859 ± 89.037 χ^2/NDF : 150.8/67

- 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: 566.052 $\pm$ 0.112 χ^2 /NDF: 6931.5/16

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

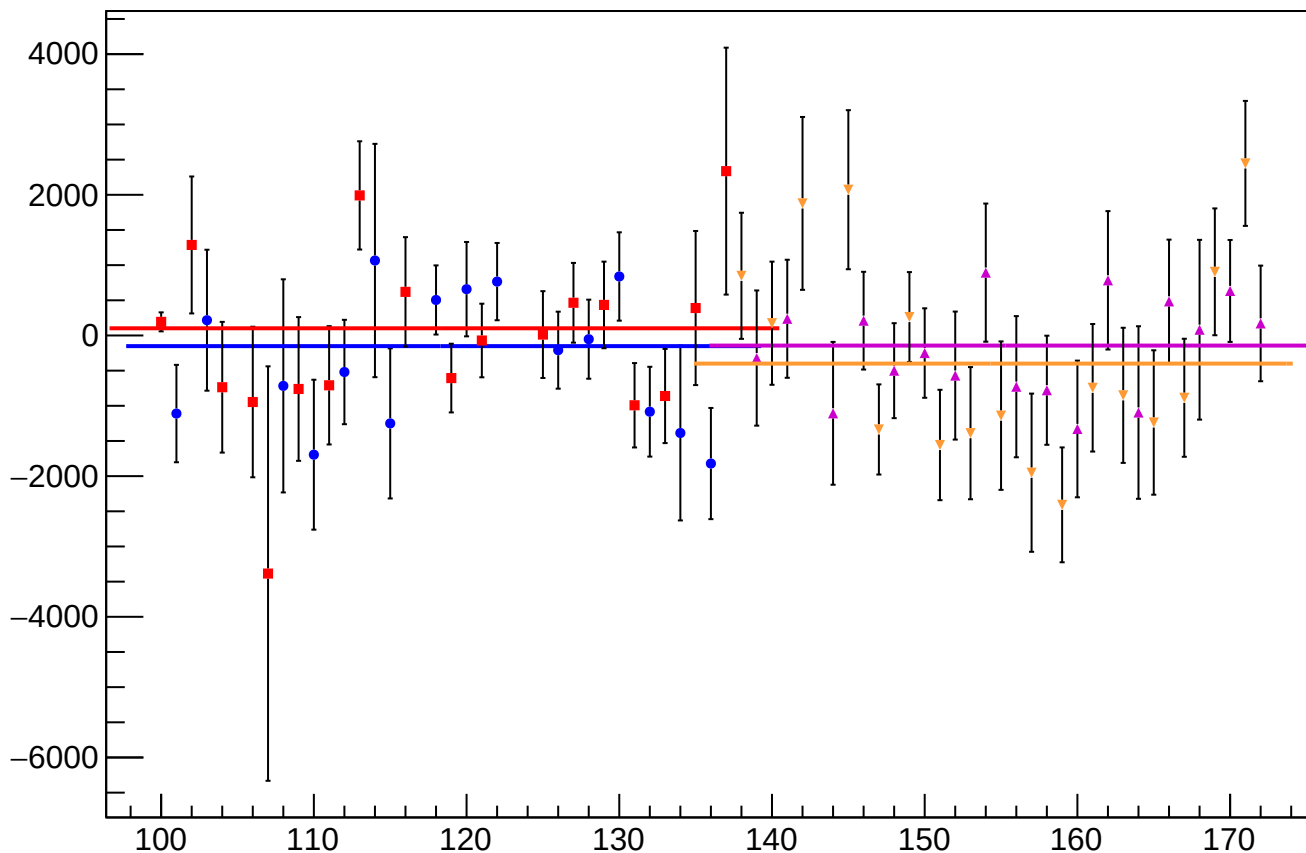
Left In: 566.001 $\pm$ 0.110 χ^2 /NDF: 7337.8/16

+ sign 562.627 $\pm$ 0.090 χ^2 /NDF: 28055.8/32

All: 560.652 $\pm$ 0.063 χ^2 /NDF: 256043.6/67

- 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: -399.804+/-213.249 χ^2/NDF : 39.2/16

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

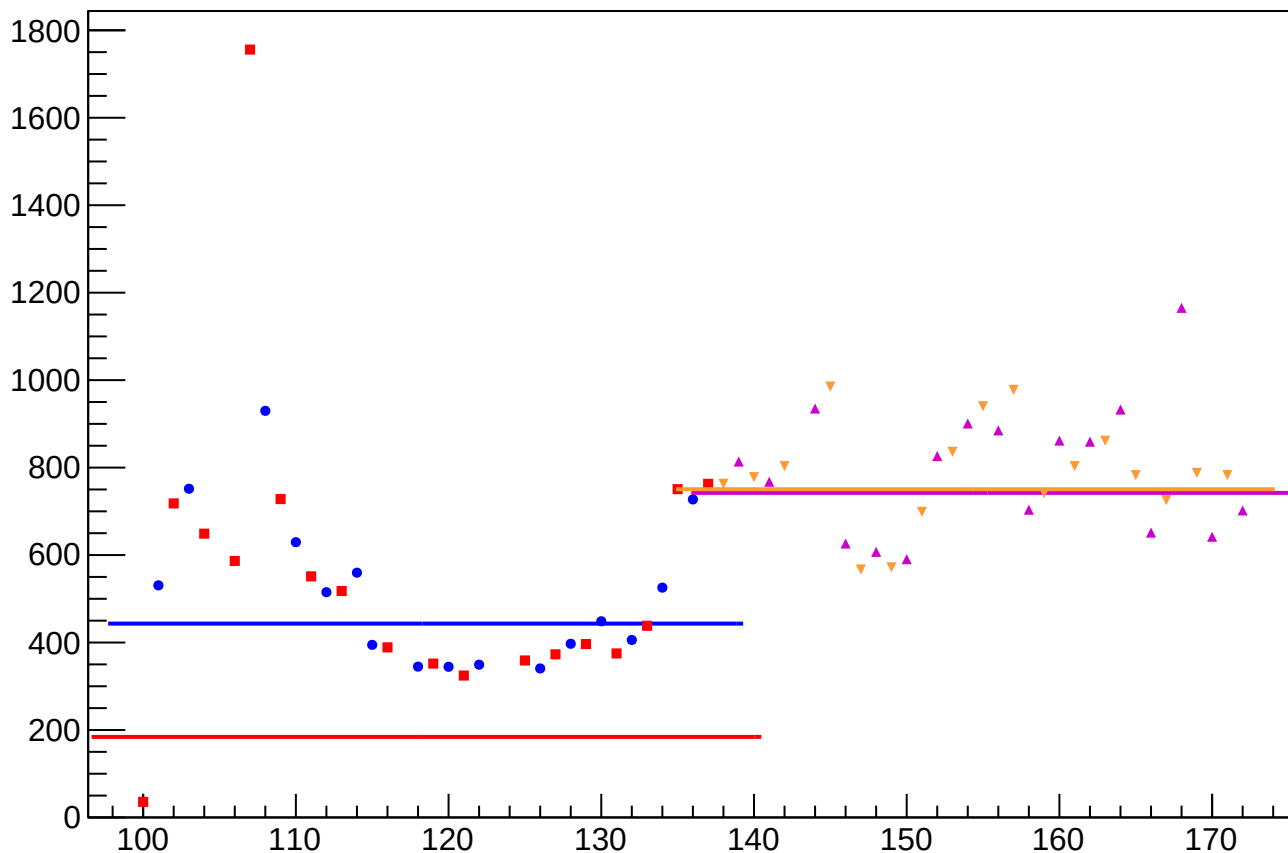
Left In: -143.749+/-207.793 χ^2/NDF : 8.9/16

+ sign -254.777+/-137.546 χ^2/NDF : 62.3/32

All: -49.296+/-78.515 χ^2/NDF : 98.8/67

- 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: 750.569+/-0.151 χ^2/NDF : 627631.9/16

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

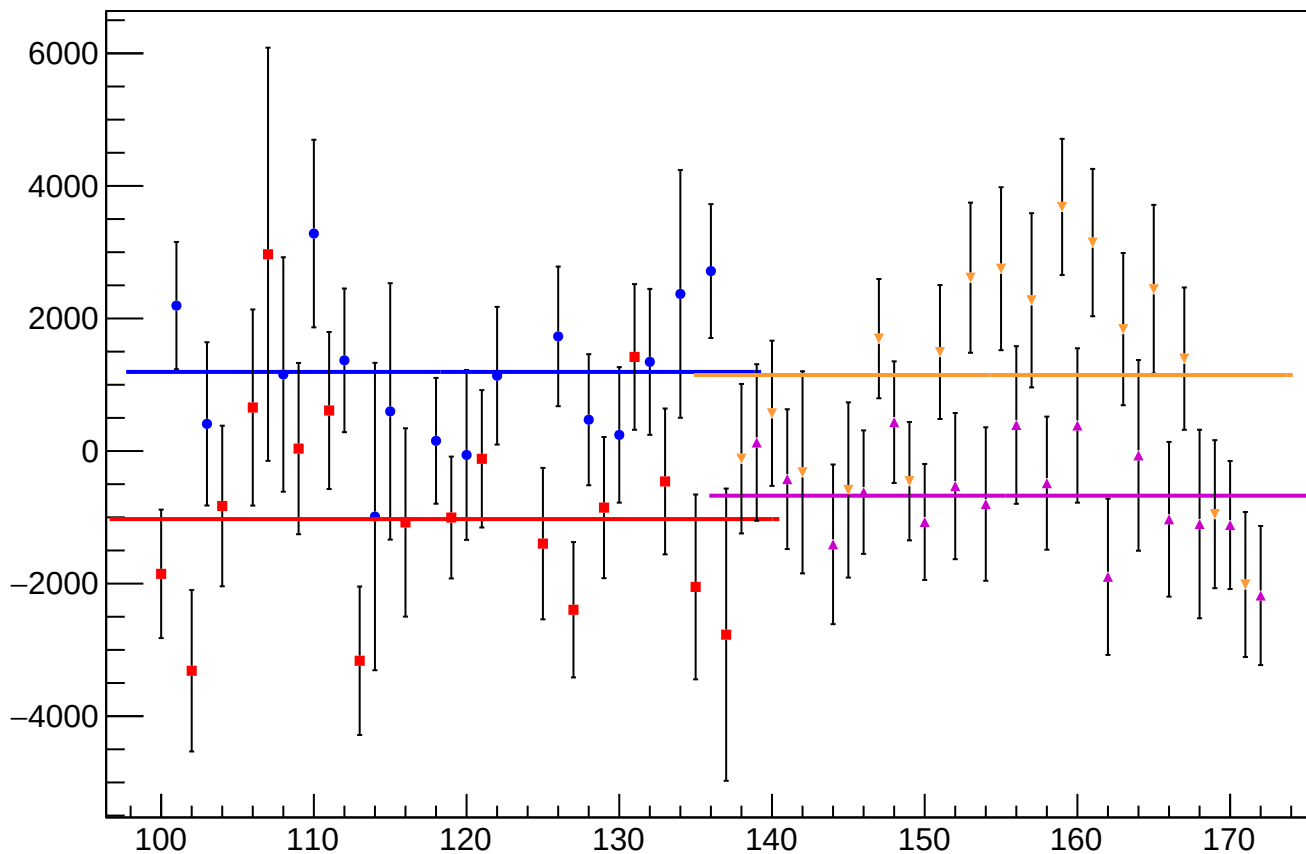
Left In: 742.221+/-0.147 χ^2/NDF : 839554.4/16

+ sign 571.097+/-0.097 χ^2/NDF : 4114227.8/32

All: 389.944+/-0.056 χ^2/NDF : 29547767.7/67

- 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: 1146.926 $\pm$ 269.701 χ^2 /NDF:34.7/16

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

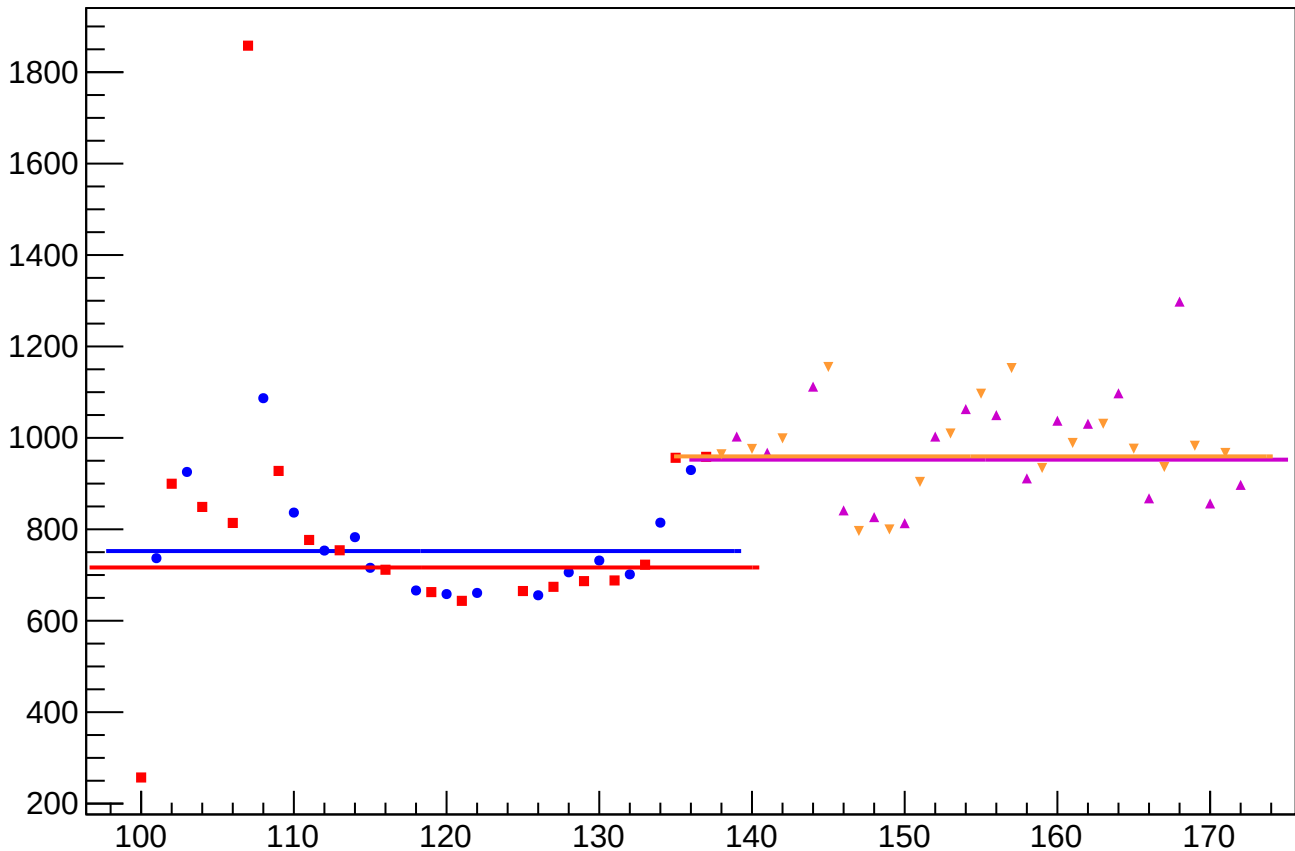
Left In: -673.511 $\pm$ 263.836 χ^2 /NDF:8.0/16

+ sign 1168.286 $\pm$ 199.066 χ^2 /NDF: 45.8/32

All: 129.960 $\pm$ 138.301 χ^2 /NDF: 129.8/67

- 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: 959.516+/-0.191 χ^2/NDF : 266174.1/16

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

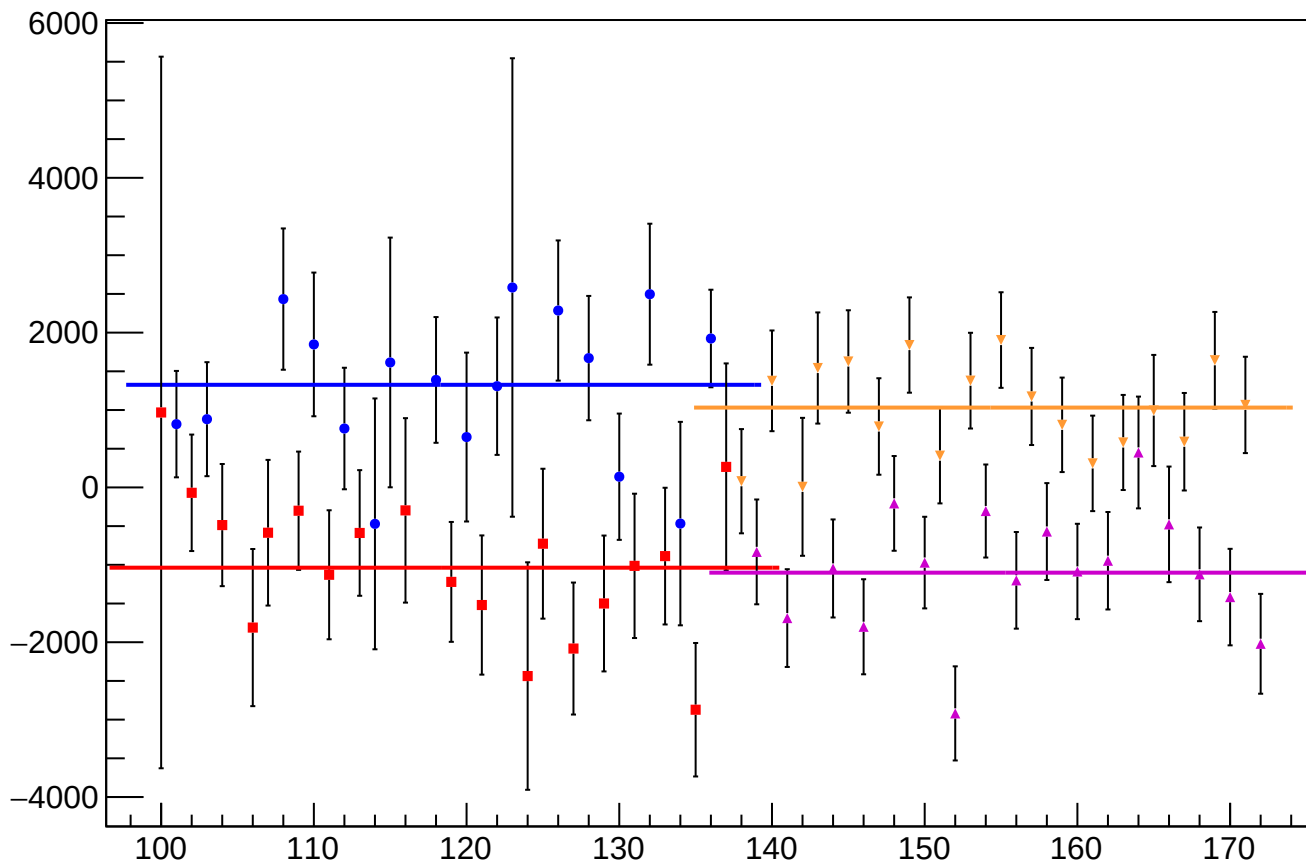
Left In: 952.375+/-0.187 χ^2/NDF : 388580.6/16

+ sign 865.247+/-0.141 χ^2/NDF : 1055646.6/32

All: 853.116+/-0.098 χ^2/NDF : 3174849.3/67

- 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: 1031.535 $\pm$ 152.077 χ^2 /NDF:13.7/17

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

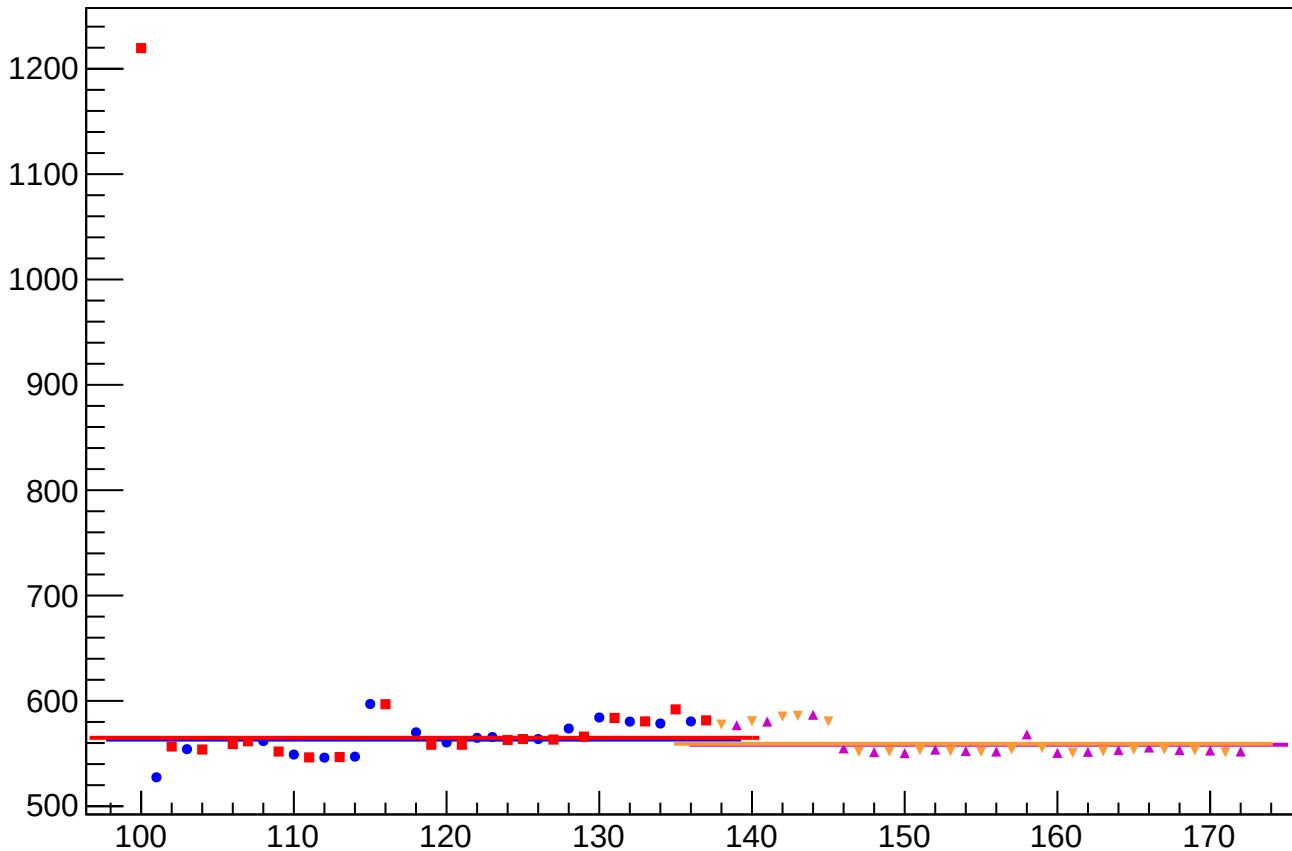
Left In: -1101.448 $\pm$ 153.348 χ^2 /NDF:23.6/16

+ sign 1127.790 $\pm$ 124.746 χ^2 /NDF: 27.8/34

All: 19.119 $\pm$ 88.003 χ^2 /NDF: 222.1/70

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

reg_asym_right_avg_rms vs Slug



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

Left Out: 559.300+/-0.108 χ^2/NDF : 13161.2/17

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

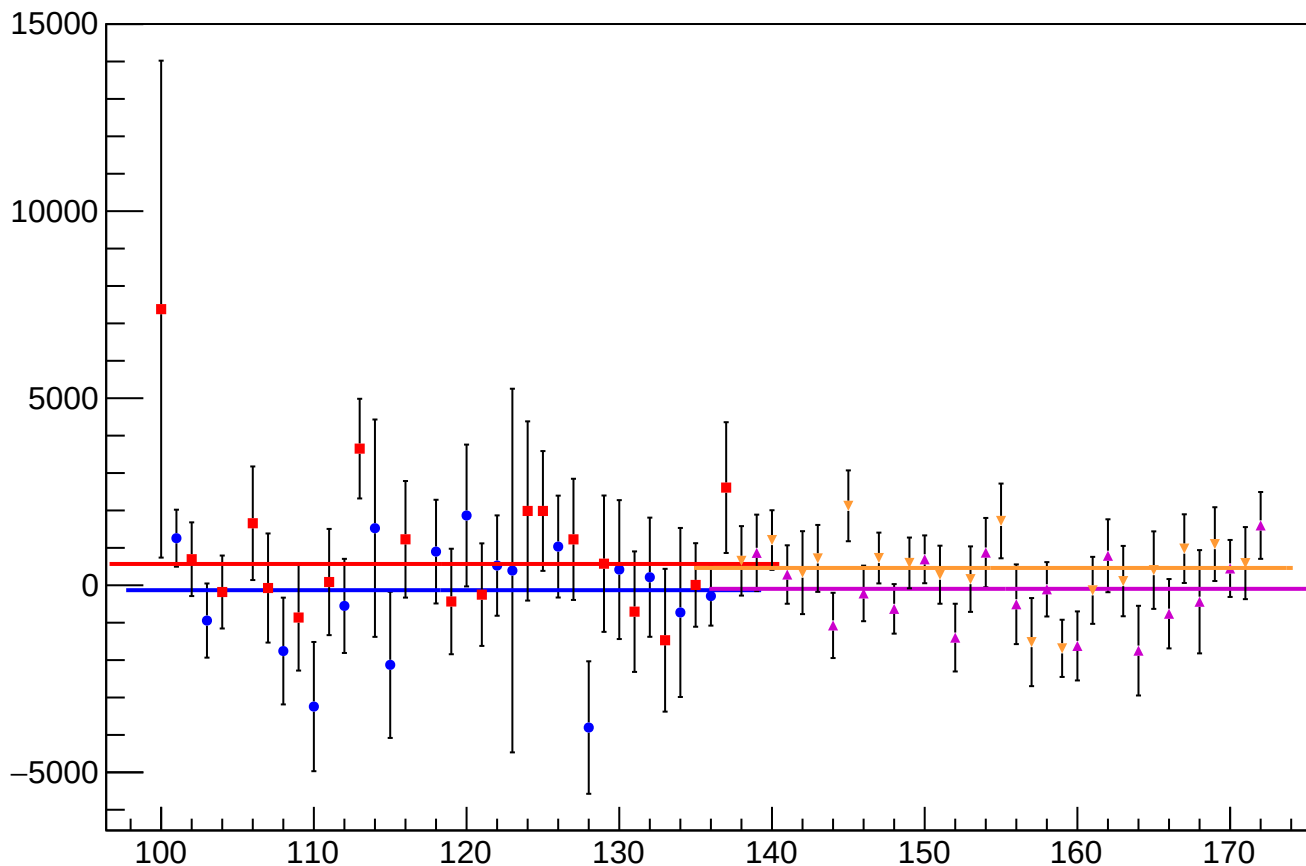
Left In: 558.405+/-0.108 χ^2/NDF : 10829.9/16

+ sign 560.597+/-0.088 χ^2/NDF : 26126.4/34

All: 560.627+/-0.062 χ^2/NDF : 87504.8/70

- sign 560.657+/-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: 463.135+/-207.352 χ^2/NDF : 18.1/17

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

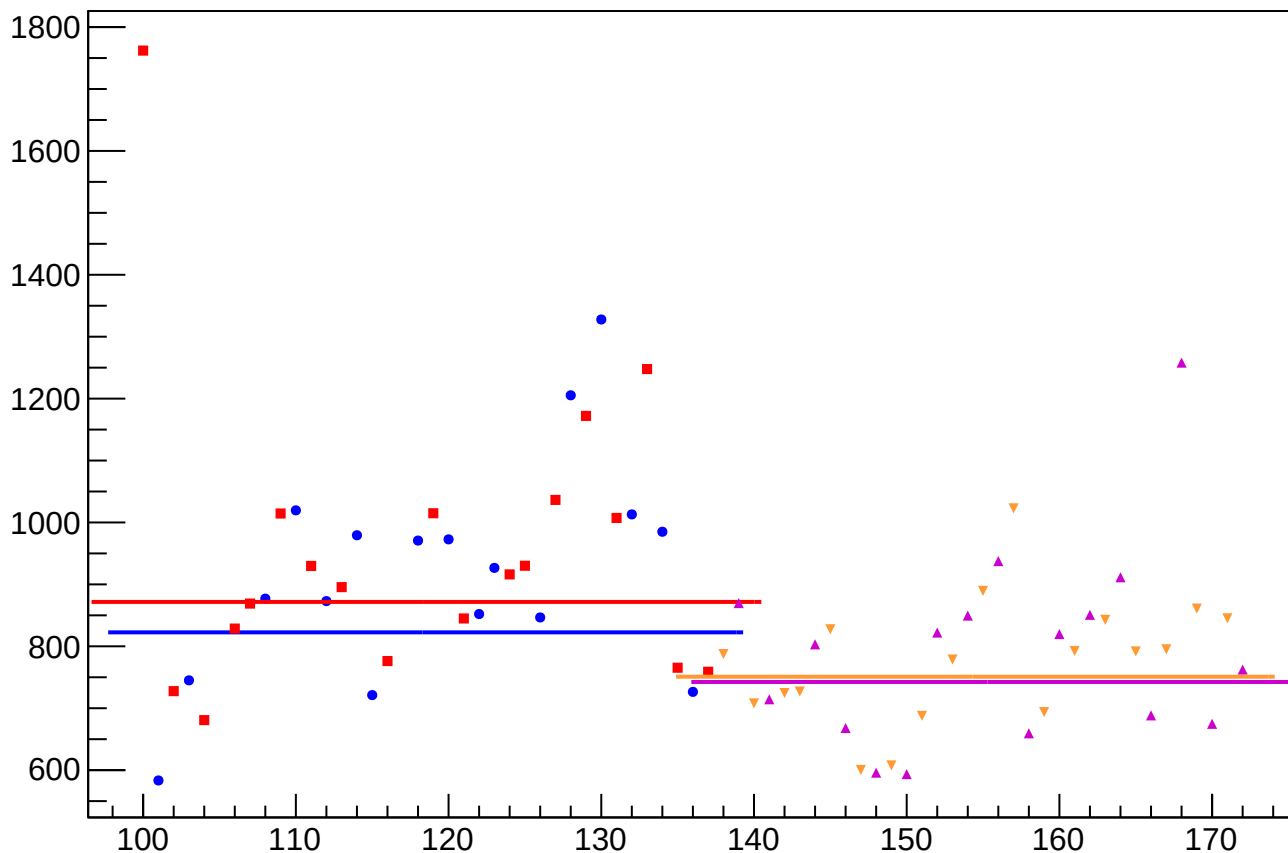
Left In: -95.225+/-207.605 χ^2/NDF : 18.1/16

+ sign 293.159+/-175.204 χ^2/NDF : 37.7/34

All: 192.785+/-124.198 χ^2/NDF : 73.9/70

- 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: 750.916 ± 0.147 χ^2/NDF : 458911.3/17

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

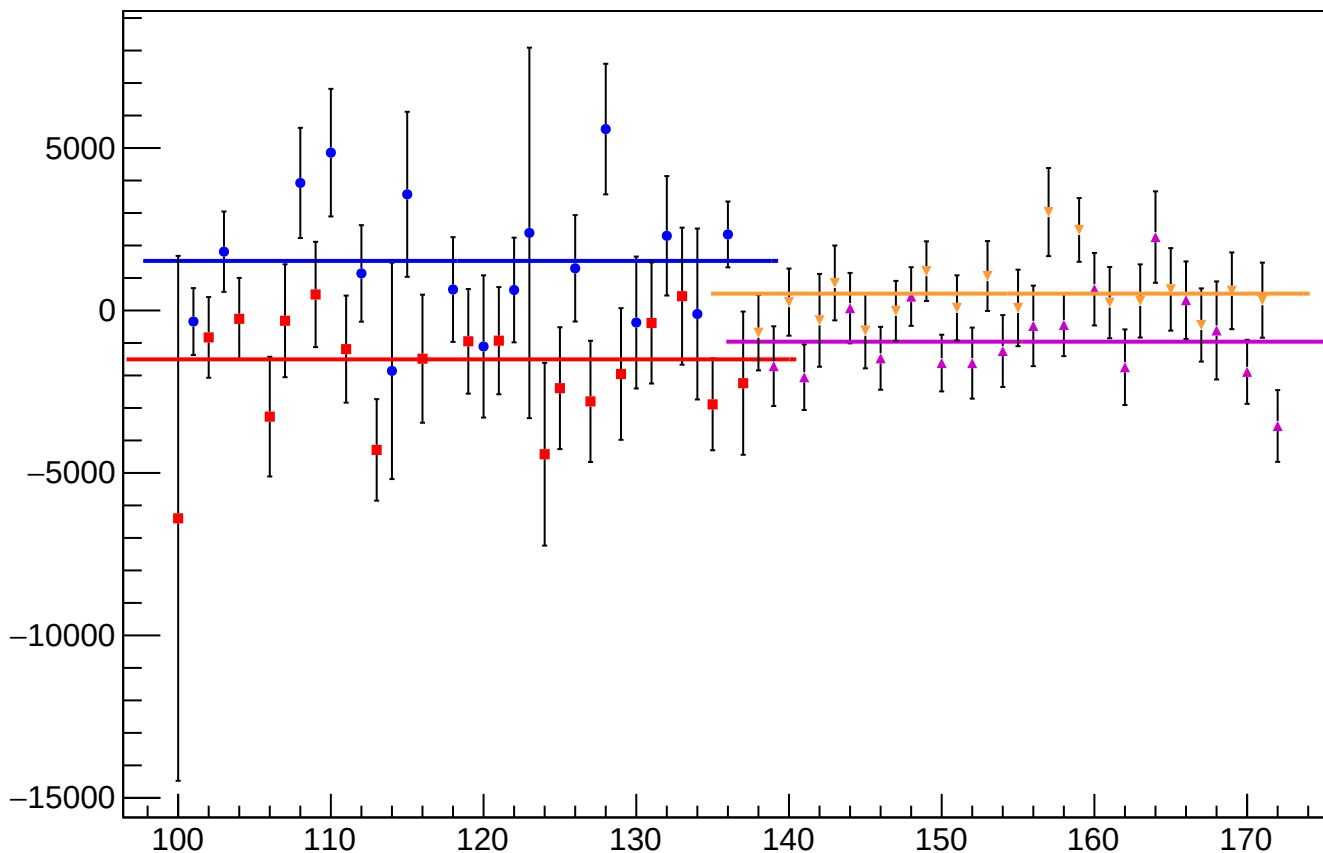
Left In: 742.408 ± 0.147 χ^2/NDF : 786545.9/16

+ sign 771.400 ± 0.124 χ^2/NDF : 1128102.1/34

All: 775.023 ± 0.088 χ^2/NDF : 2540825.6/70

- 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: 518.261 ± 260.871 χ^2/NDF : 12.3/17

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

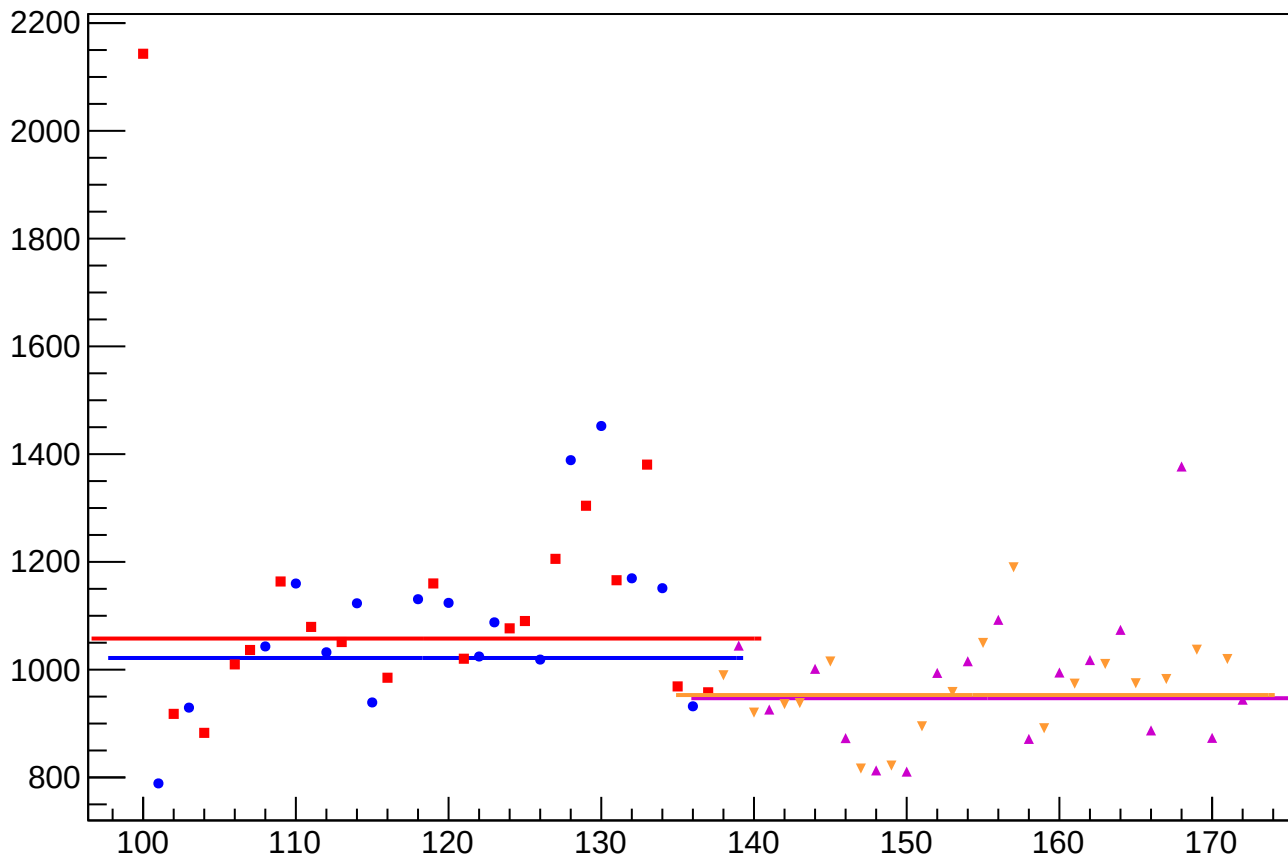
Left In: -960.525 ± 262.283 χ^2/NDF : 21.9/16

+ sign 816.950 ± 218.797 χ^2/NDF : 35.0/34

All: -151.215 ± 154.900 χ^2/NDF : 109.6/70

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

asym_right_avg_rms vs Slug



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

Left Out: 952.886 $\pm$ 0.184 χ^2 /NDF: 208878.9/17

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

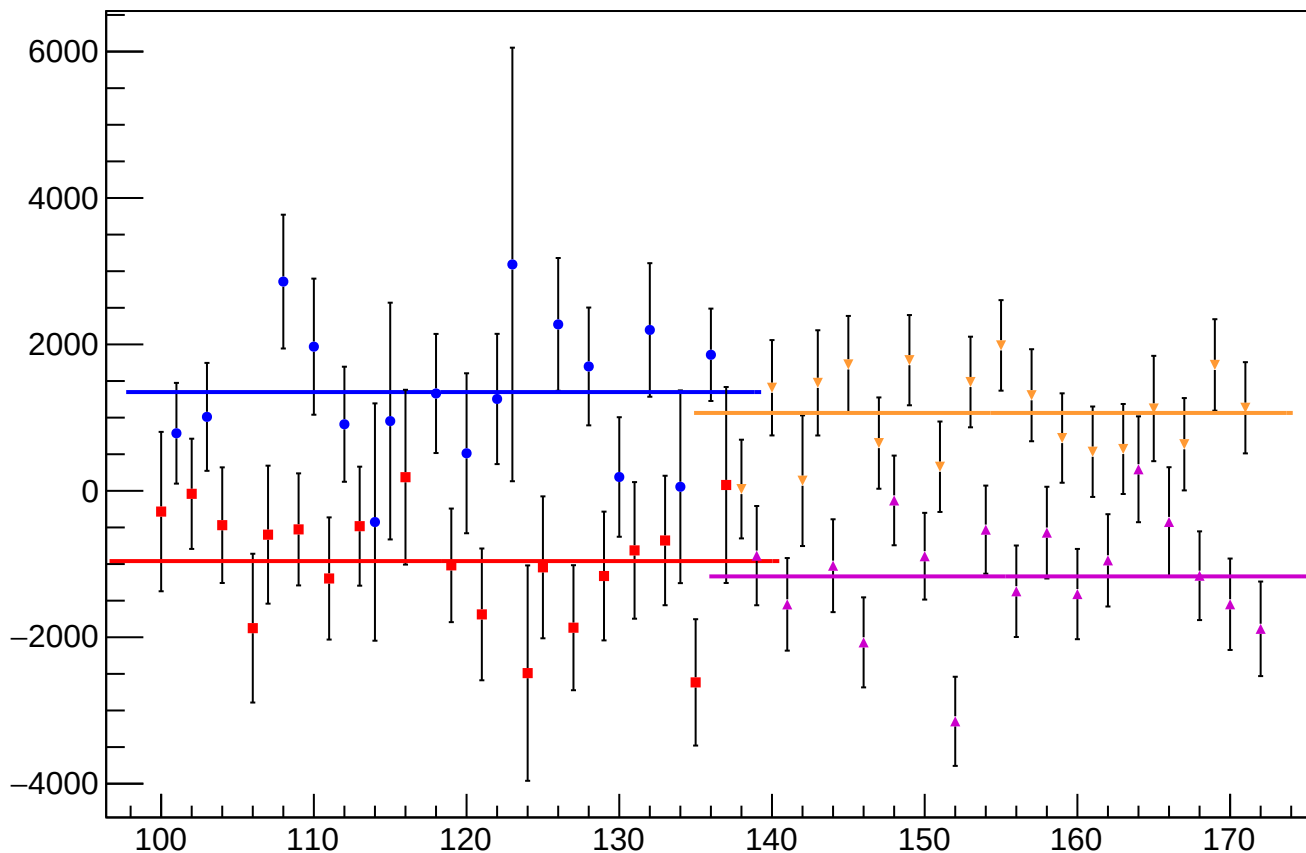
Left In: 947.016 $\pm$ 0.185 χ^2 /NDF: 380352.1/16

+ sign 973.282 $\pm$ 0.155 χ^2 /NDF: 582056.1/34

All: 976.791 $\pm$ 0.110 χ^2 /NDF: 1301584.4/70

- sign 980.316 $\pm$ 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: 1064.034 $\pm$ 152.232 χ^2 /NDF:14.4/17

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

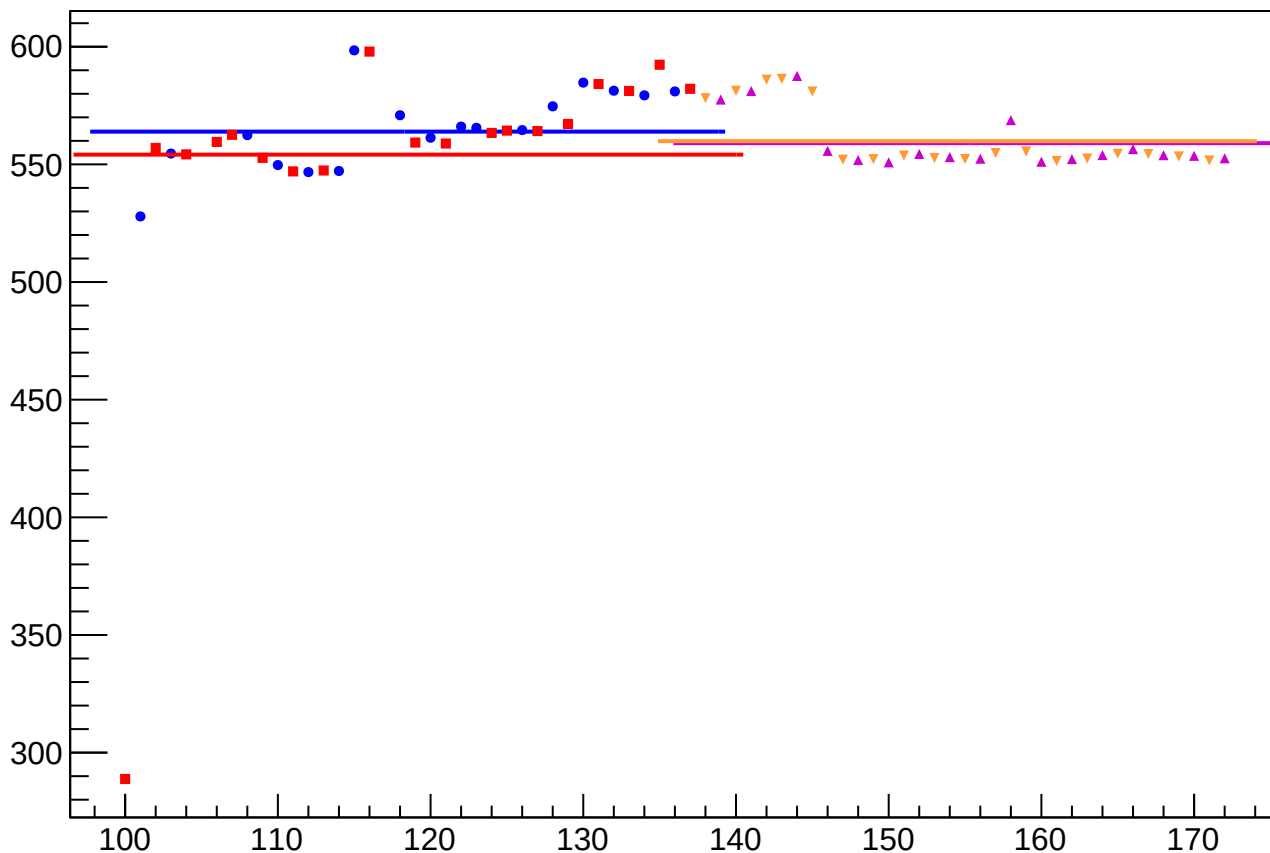
Left In: -1168.591 $\pm$ 153.517 χ^2 /NDF:25.5/16

+ sign 1157.288 $\pm$ 124.880 χ^2 /NDF: 27.8/34

All: 19.103 $\pm$ 87.829 χ^2 /NDF: 230.6/70

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

reg_asym_right_dd_rms vs Slug



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

Left Out: 559.871 $\pm$ 0.108 χ^2 /NDF:13196.8/17

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

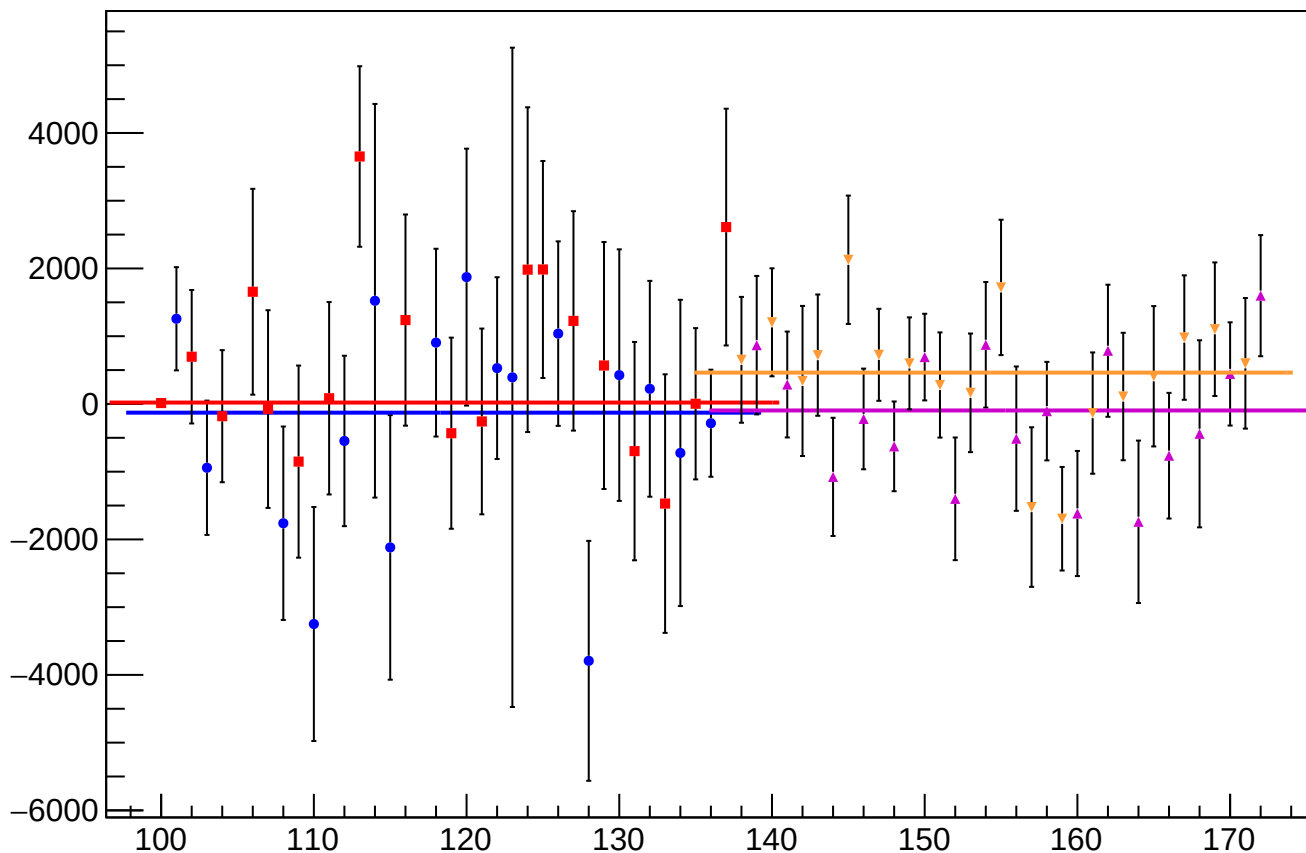
Left In: 559.018 $\pm$ 0.109 χ^2 /NDF:10909.6/16

+ sign 561.196 $\pm$ 0.088 χ^2 /NDF: 26323.1/34

All: 559.228 $\pm$ 0.062 χ^2 /NDF: 170891.2/70

- sign 557.301 $\pm$ 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: 462.661 ± 207.425 $\chi^2/\text{NDF}: 18.2/17$

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

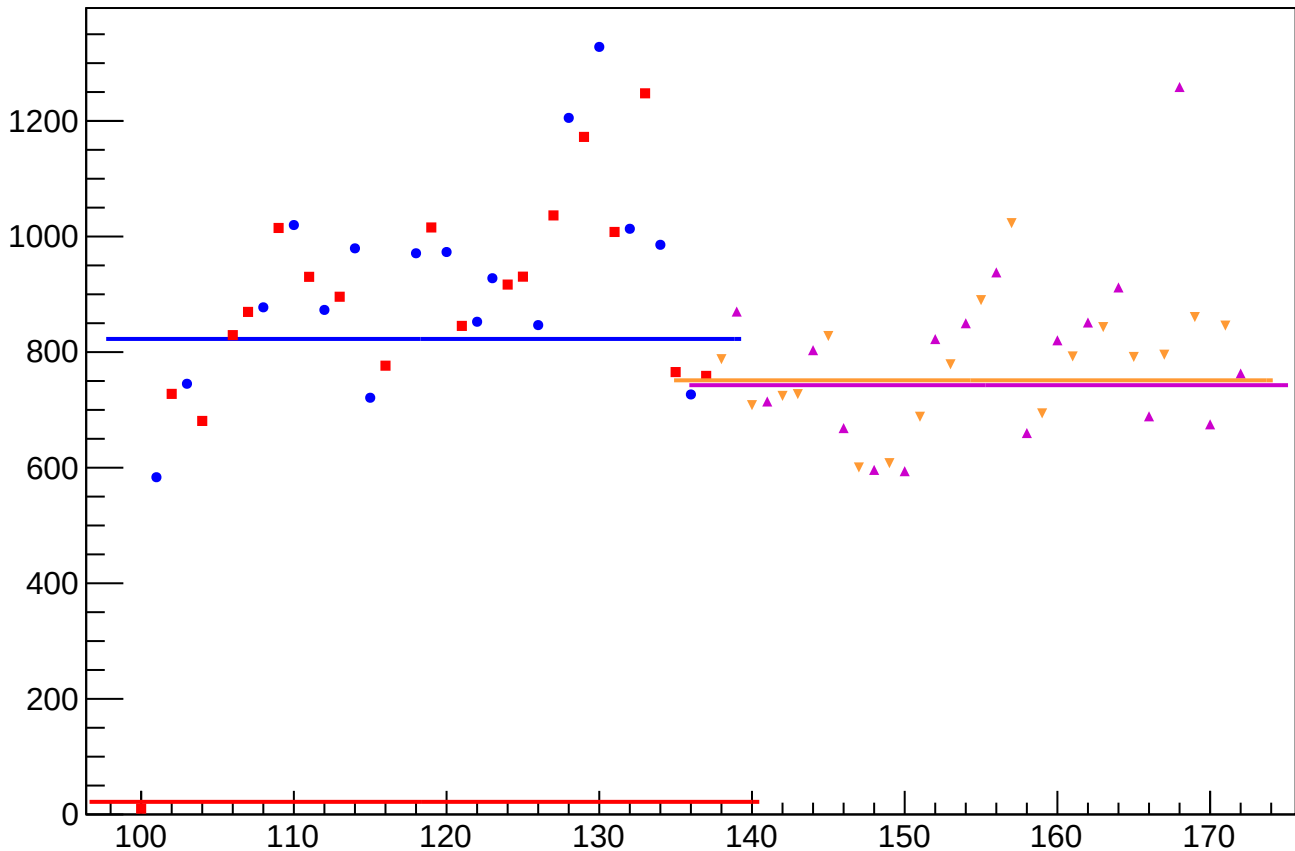
Left In: -96.316 ± 207.707 $\chi^2/\text{NDF}: 18.0/16$

+ sign 293.487 ± 175.263 $\chi^2/\text{NDF}: 37.7/34$

All: 29.039 ± 37.405 $\chi^2/\text{NDF}: 74.5/70$

- 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: 751.170 $\pm$ 0.147 χ^2 /NDF: 458961.2/17

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

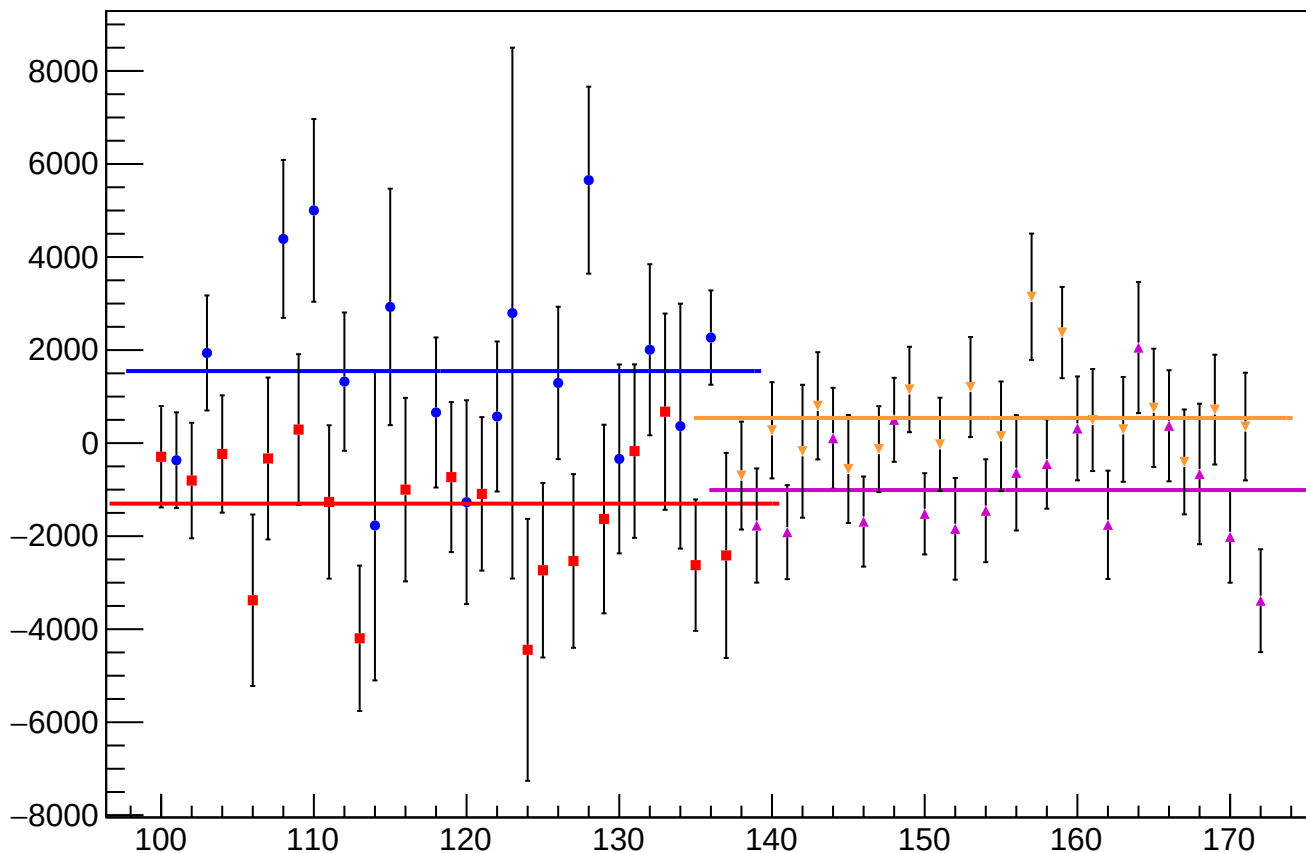
Left In: 742.776 $\pm$ 0.147 χ^2 /NDF: 786294.2/16

+ sign 771.655 $\pm$ 0.124 χ^2 /NDF: 1128023.1/34

All: 79.347 $\pm$ 0.026 χ^2 /NDF: 71411723.5/70

- 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: 540.954 $\pm$ 261.020 χ^2 /NDF:12.2/17

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

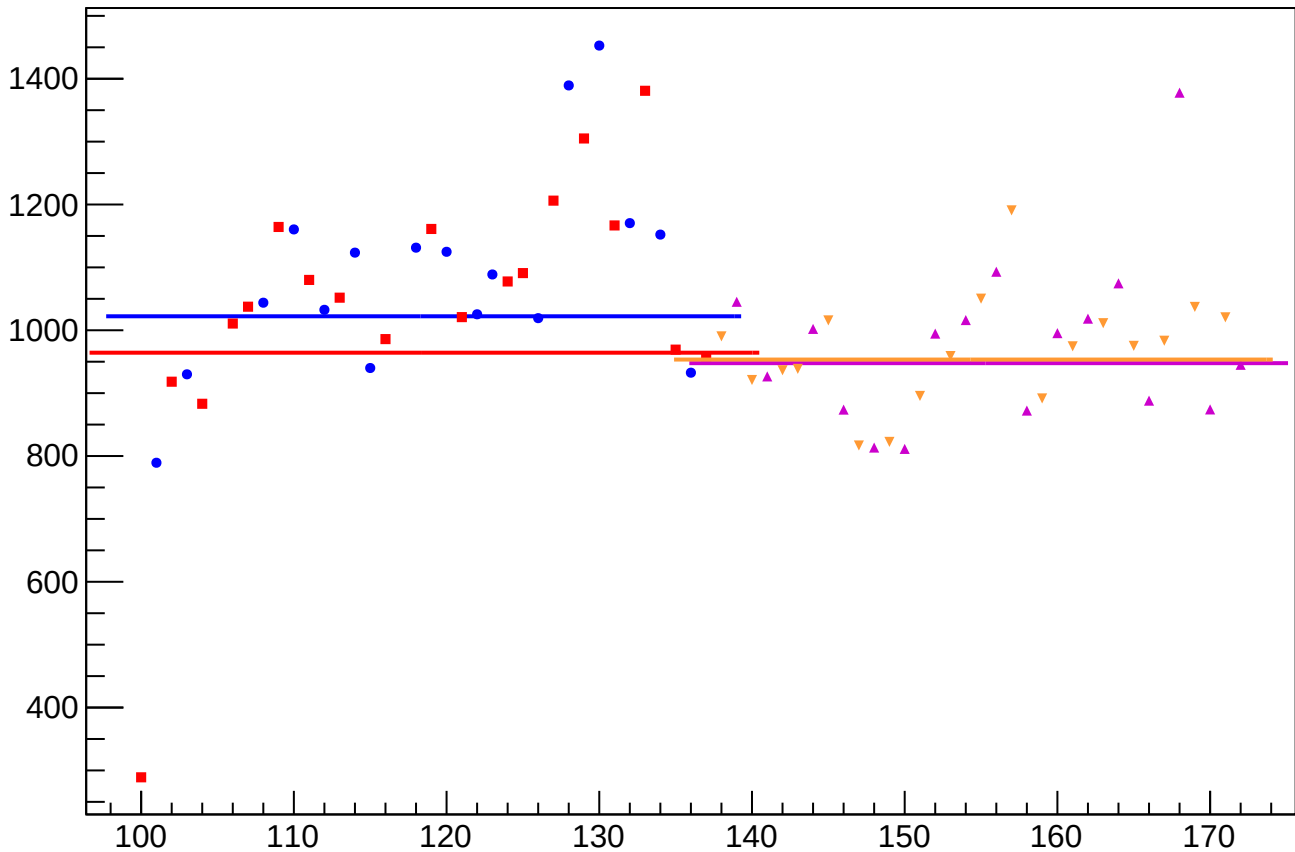
Left In: -1009.134 $\pm$ 262.468 χ^2 /NDF:20.6/16

+ sign 839.859 $\pm$ 218.922 χ^2 /NDF: 35.6/34

All: -148.982 $\pm$ 153.478 χ^2 /NDF: 109.3/70

- 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: 953.424+/-0.185 χ^2/NDF : 208980.2/17

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

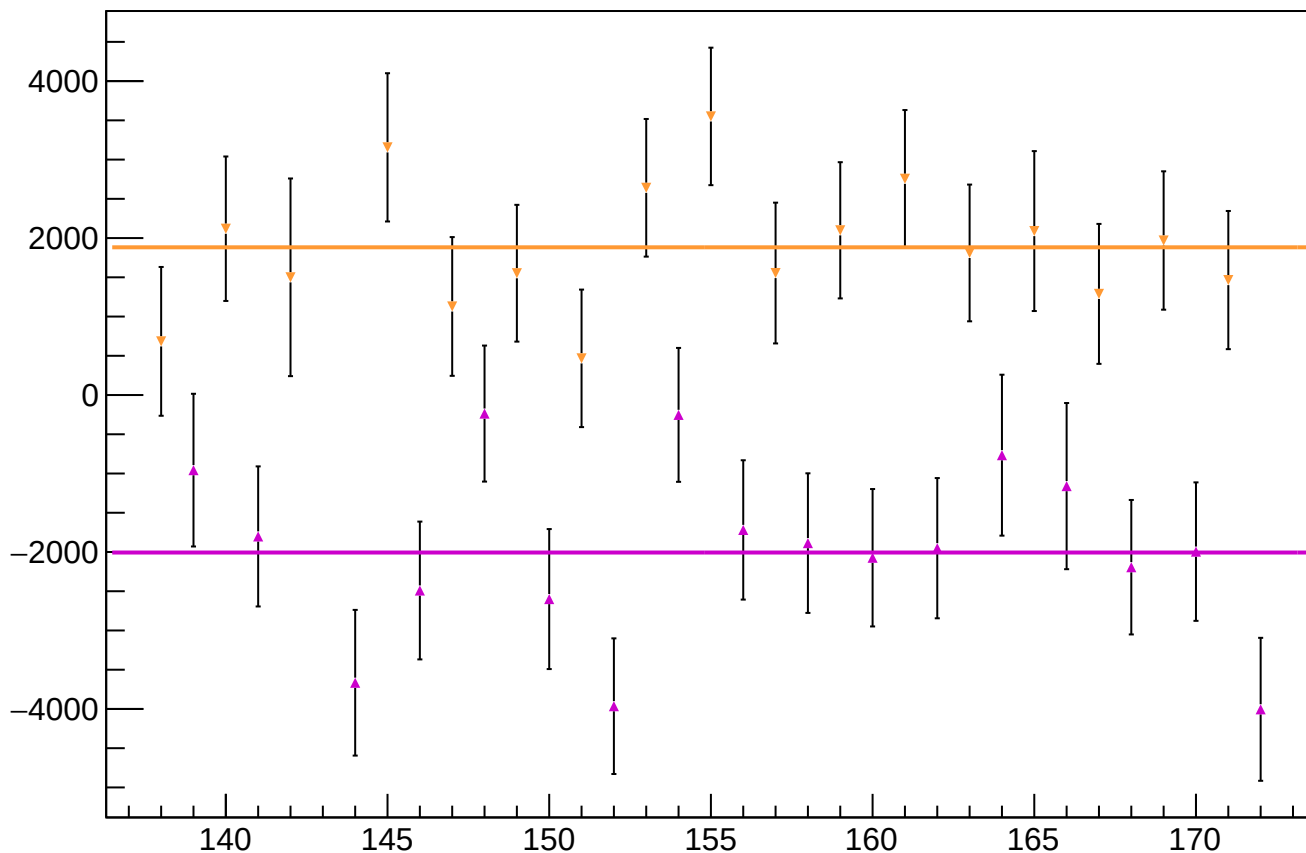
Left In: 947.689+/-0.186 χ^2/NDF : 380066.1/16

+ sign 973.832+/-0.155 χ^2/NDF : 582073.5/34

All: 963.310+/-0.109 χ^2/NDF : 2041139.9/70

- 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: 1882.255+/-220.660 χ^2/NDF :13.3/16

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

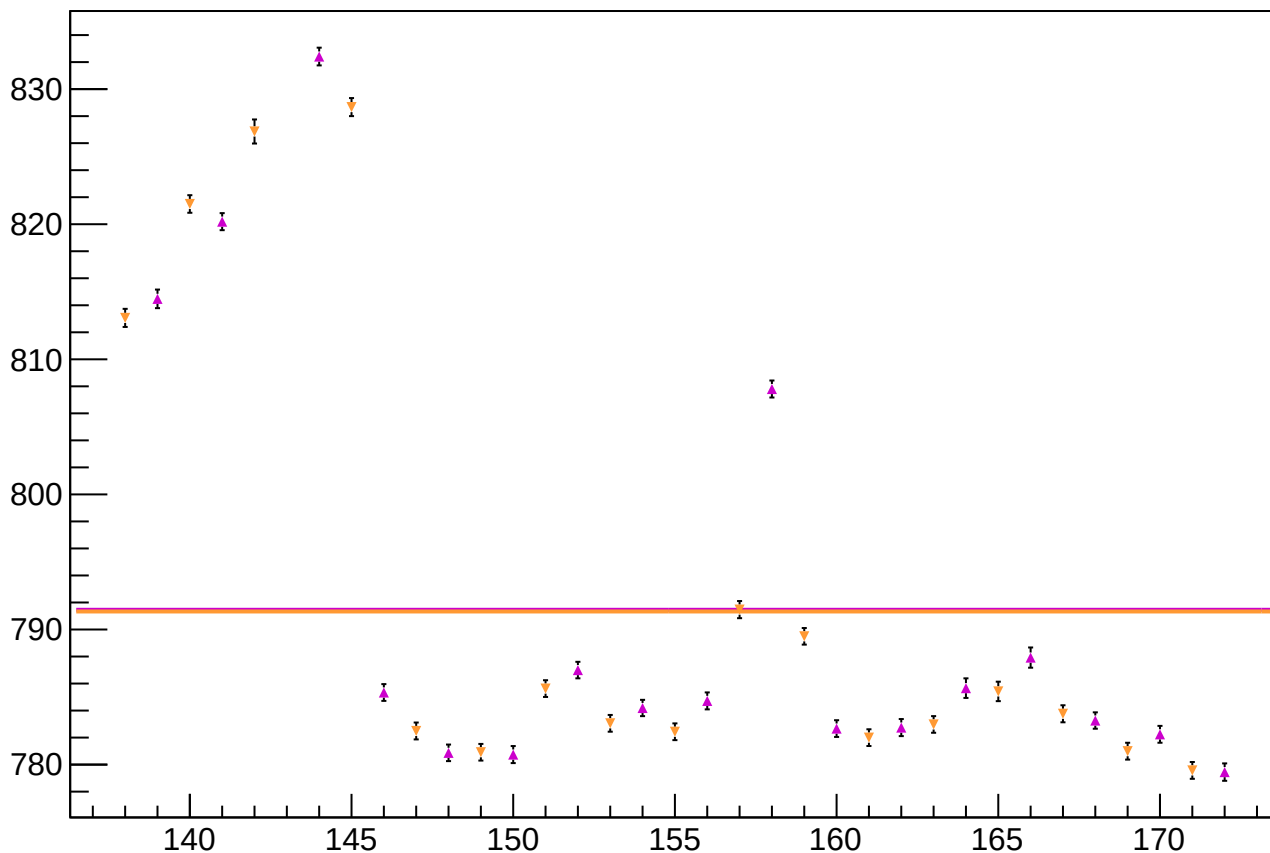
Left In: -2006.804+/-218.961 χ^2/NDF :25.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -77.302+/-155.426 χ^2/NDF : 195.6/33

- 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: 791.335+/-0.156 χ^2/NDF :10136.0/16

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

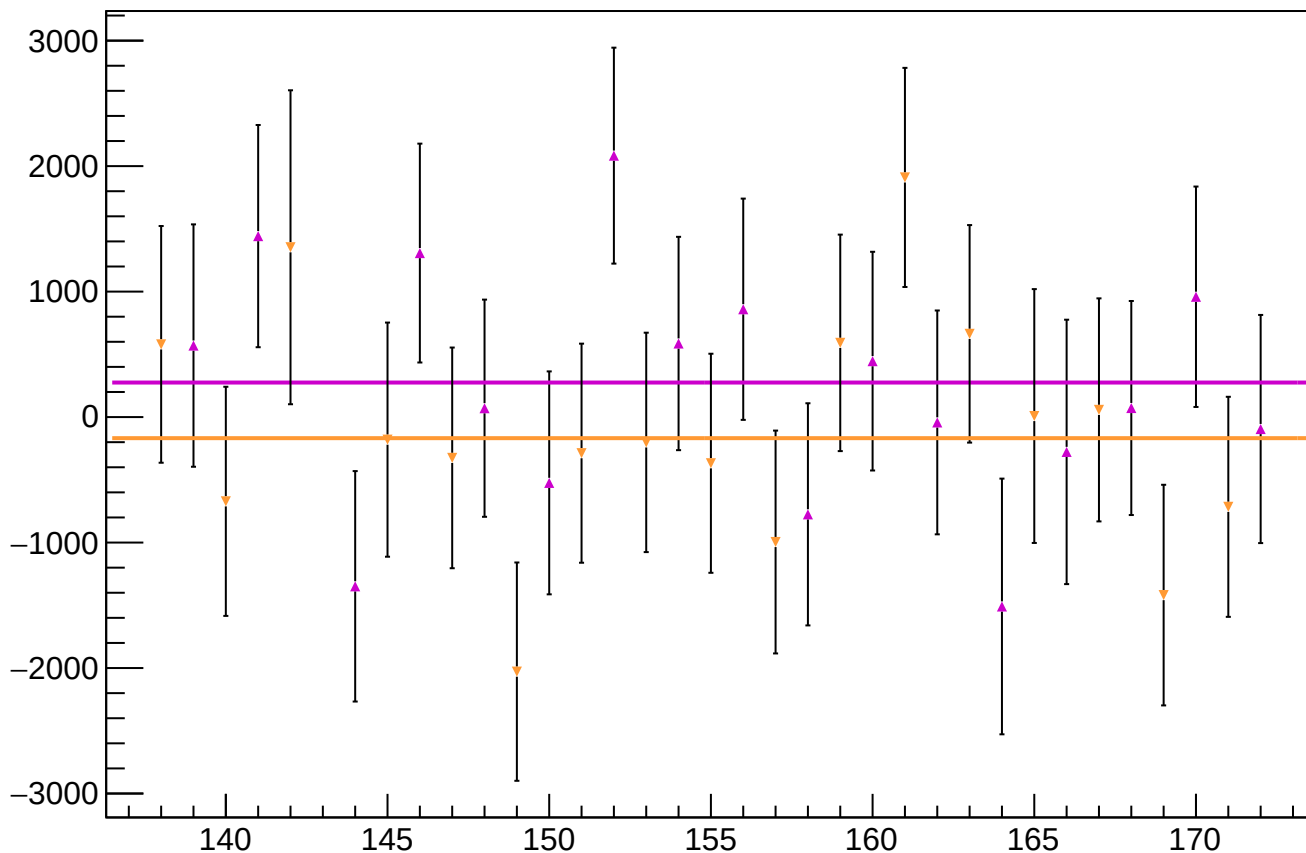
Left In: 791.459+/-0.155 χ^2/NDF :9986.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 791.398+/-0.110 χ^2/NDF : 20123.2/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_mean vs Slug



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

Left Out: -168.020 $\pm$ 219.524 χ^2 /NDF:17.8/16

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

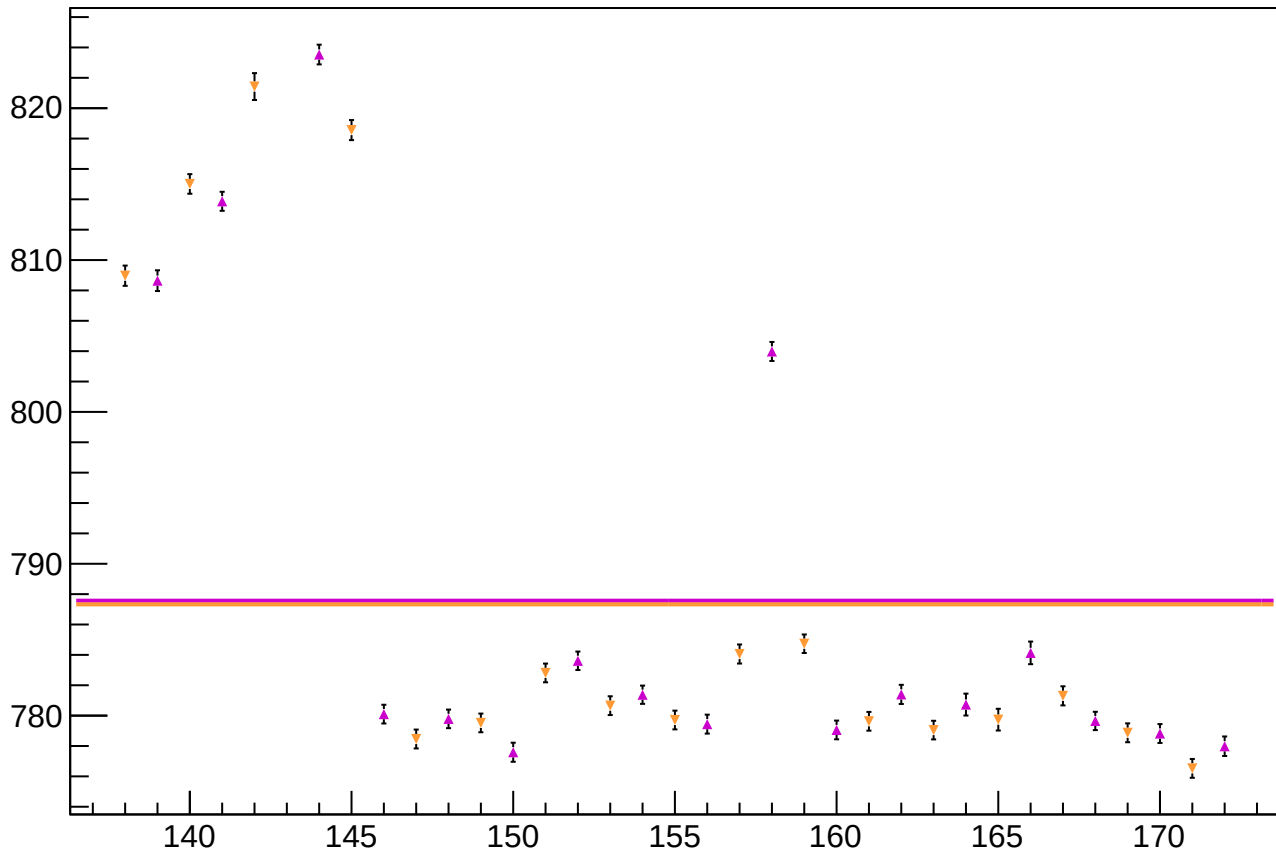
Left In: 275.247 $\pm$ 217.875 χ^2 /NDF:18.0/16

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

All: 55.284 $\pm$ 154.641 χ^2 /NDF: 37.8/33

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

cor_asym_us_dd_rms vs Slug



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

Left Out: 787.326+/-0.155 χ^2/NDF : 8381.4/16

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

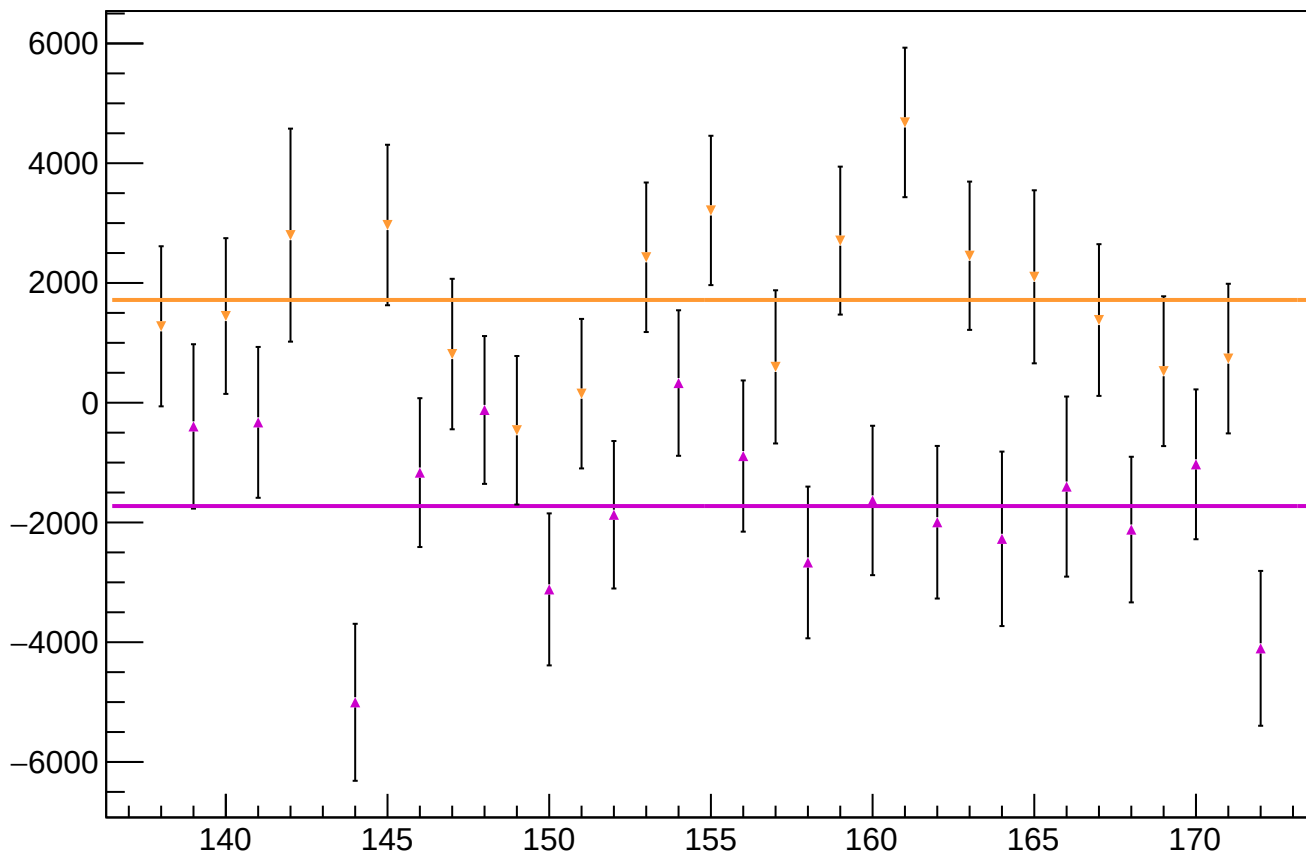
Left In: 787.570+/-0.154 χ^2/NDF : 8342.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 787.449+/-0.109 χ^2/NDF : 16724.7/33

- 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: 1716.261+/-313.511 χ^2/NDF : 17.4/16

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

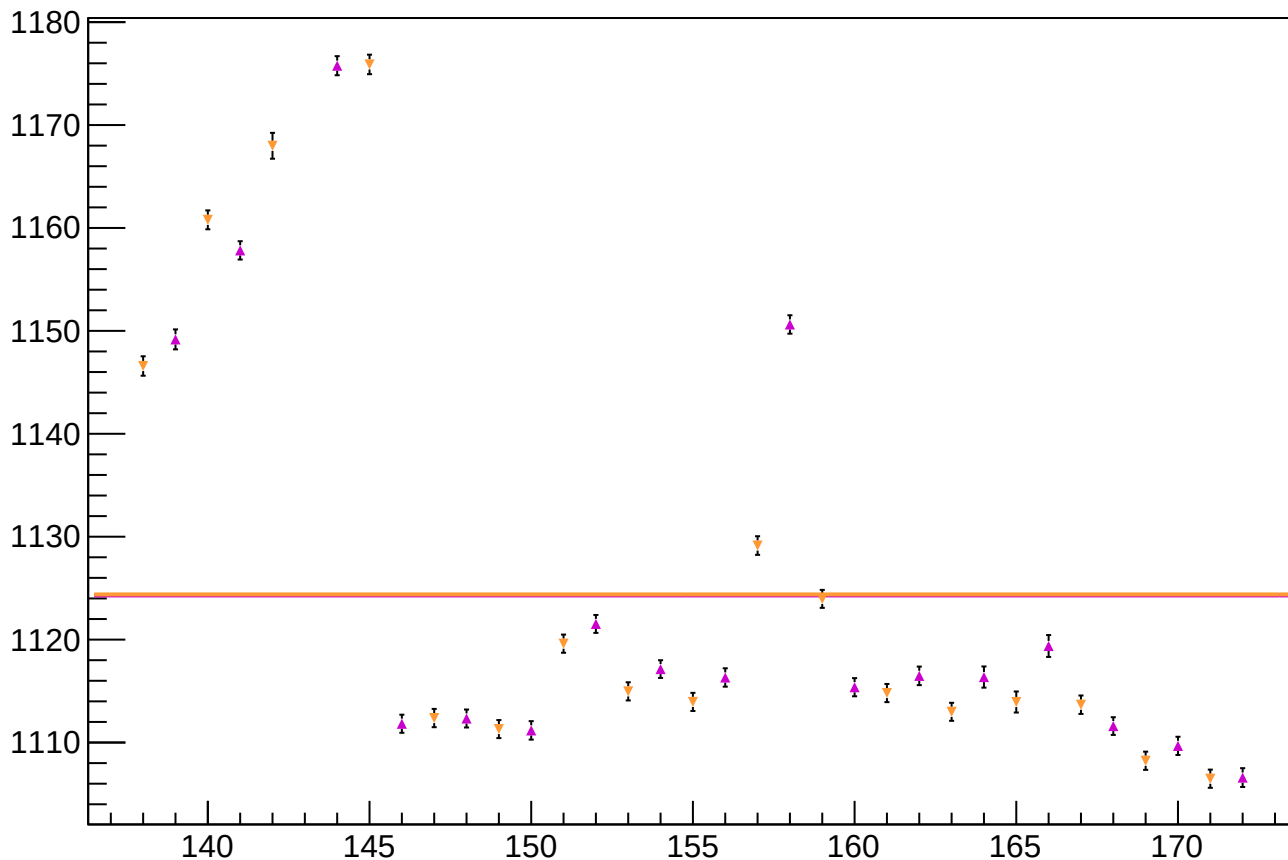
Left In: -1725.854+/-311.026 χ^2/NDF : 19.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -18.488+/-220.802 χ^2/NDF : 97.5/33

- 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: 1124.390+/-0.222 χ^2/NDF : 8268.7/16

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

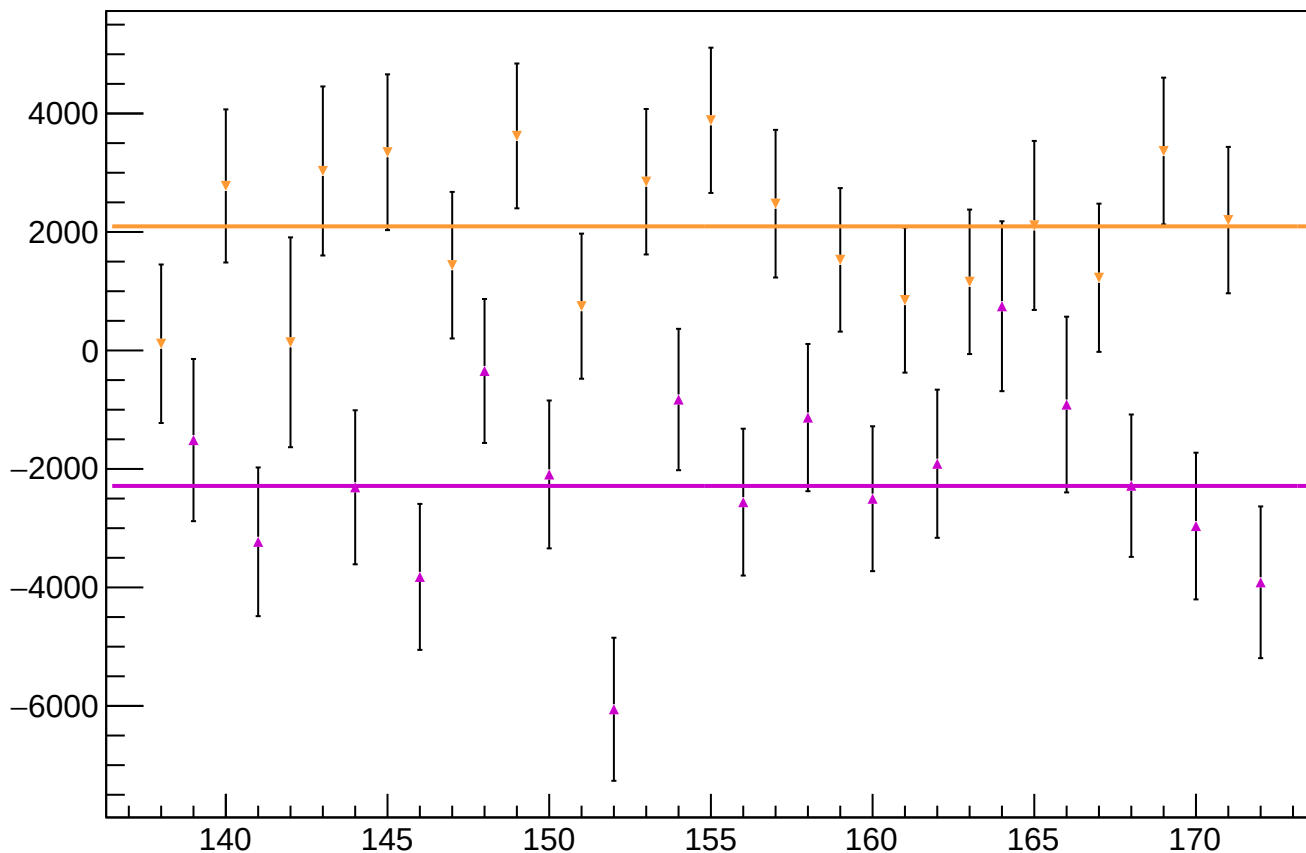
Left In: 1124.294+/-0.220 χ^2/NDF : 7905.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1124.342+/-0.156 χ^2/NDF : 16174.3/33

- 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: 2094.883+/-301.995 χ^2/NDF : 14.1/17

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

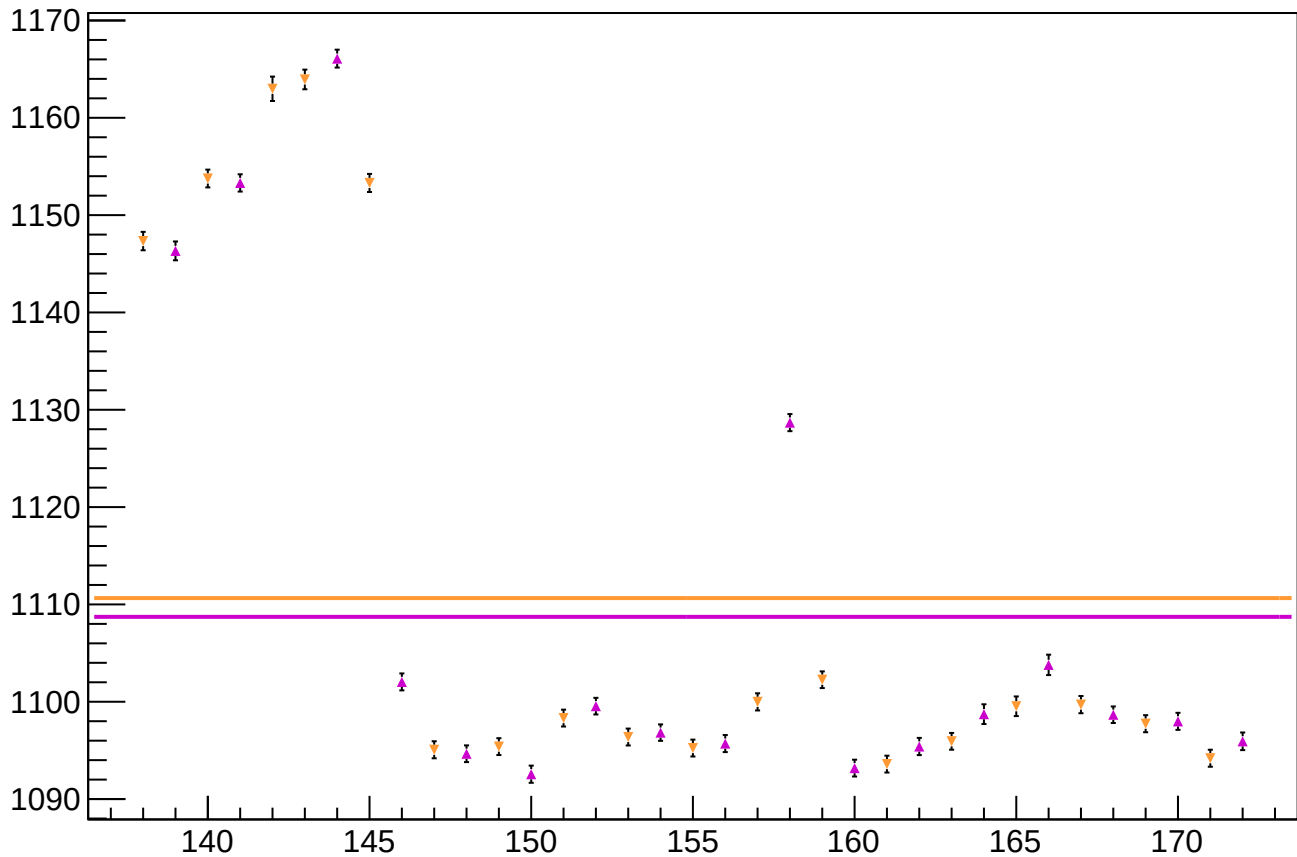
Left In: -2286.702+/-306.736 χ^2/NDF : 24.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -61.785+/-215.200 χ^2/NDF : 142.2/34

- 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: 1110.651+/-0.214 χ^2/NDF :13556.1/17

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

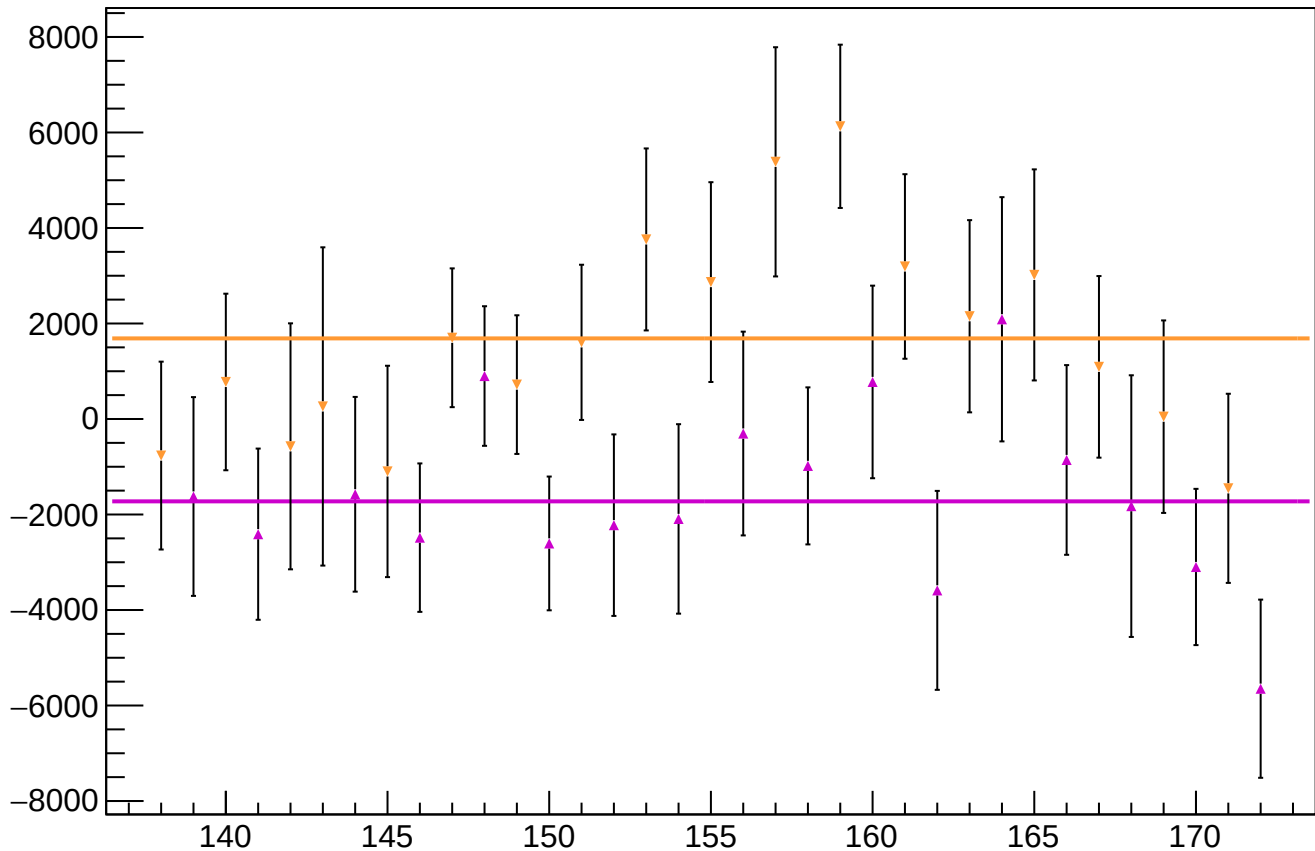
Left In: 1108.724+/-0.217 χ^2/NDF :10797.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1109.703+/-0.152 χ^2/NDF : 24393.8/34

- 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: 1687.744+/-454.580 χ^2/NDF :19.7/17

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

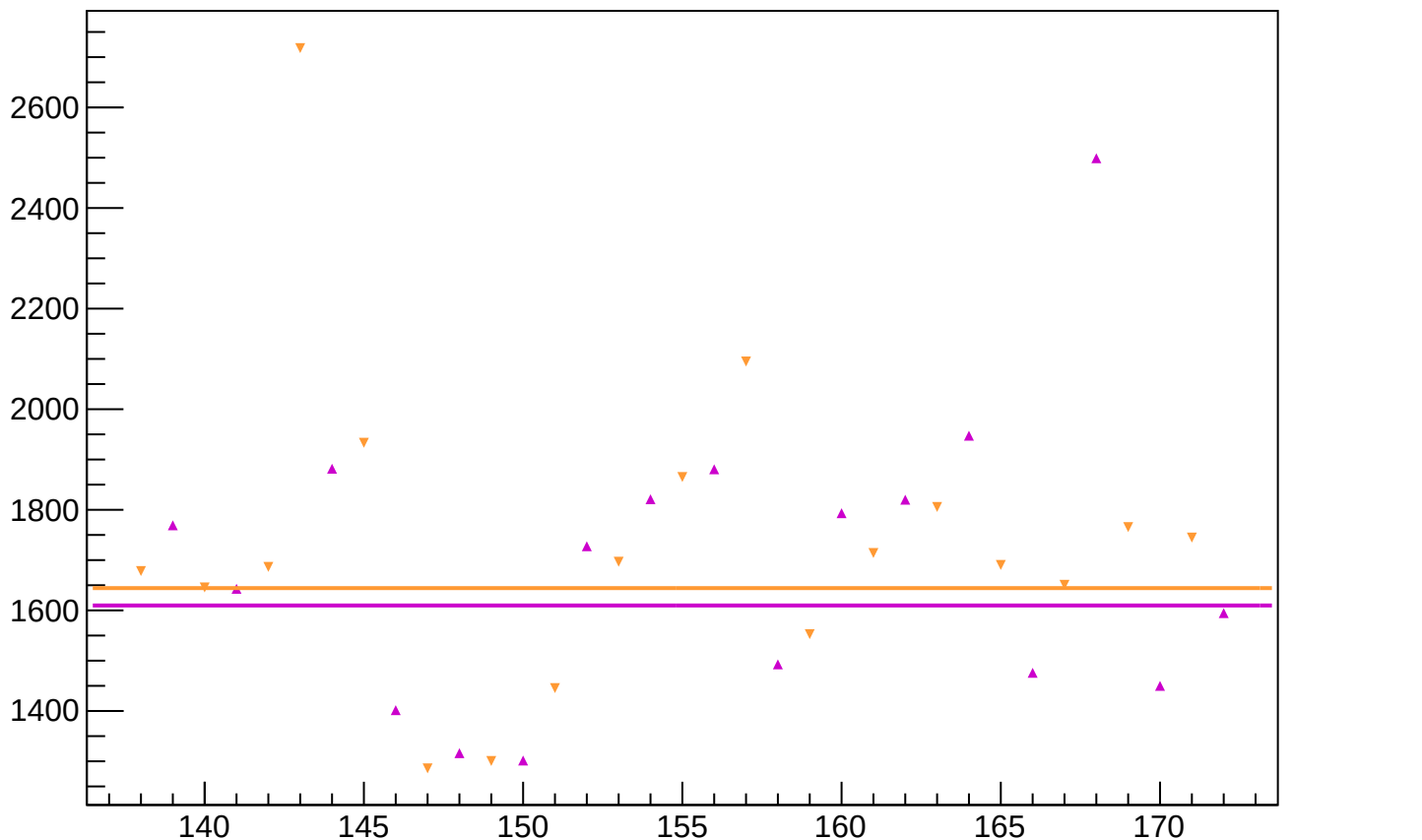
Left In: -1724.820+/-448.487 χ^2/NDF :14.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -41.564+/-319.261 χ^2/NDF : 62.9/34

- 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: 1644.324+/-0.321 χ^2/NDF : 635238.8/17

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

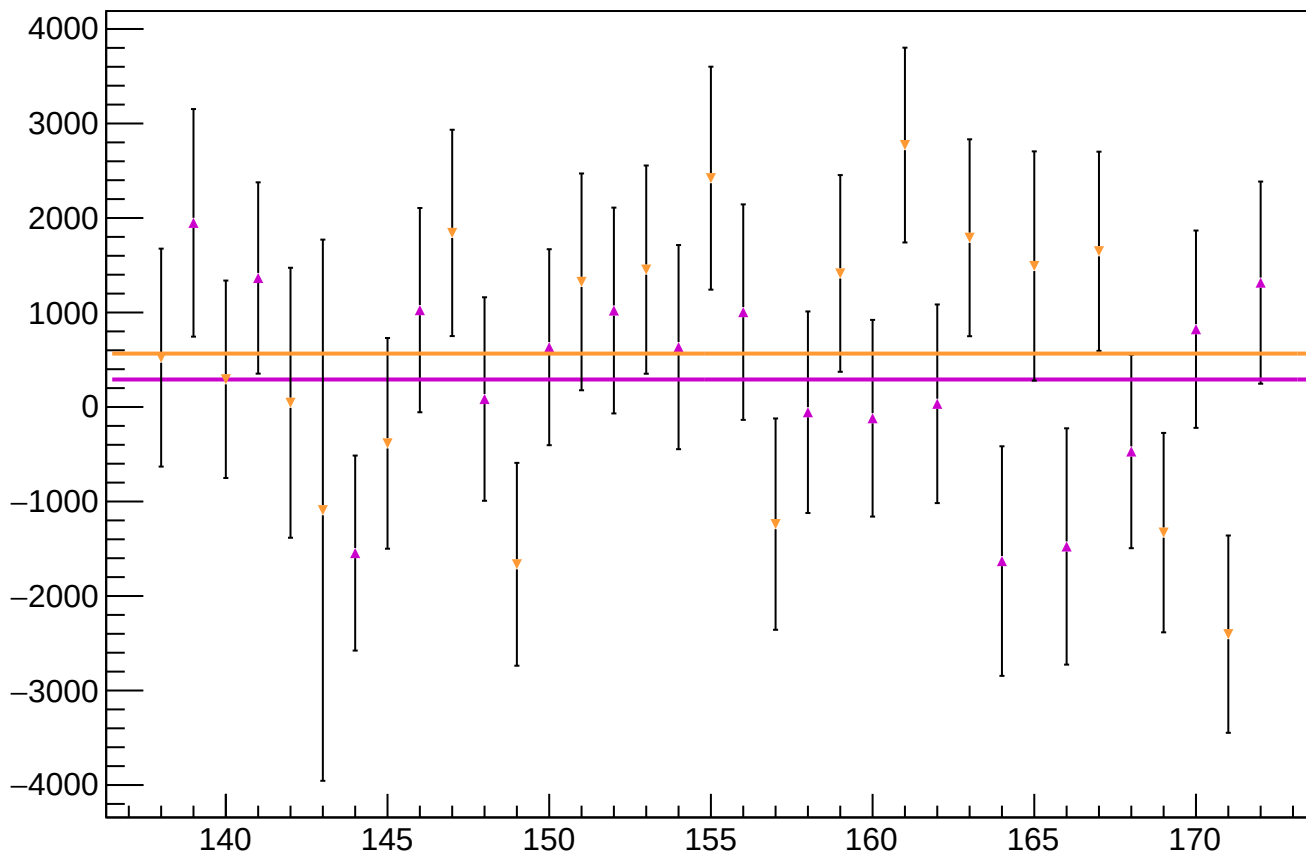
Left In: 1609.789+/-0.317 χ^2/NDF : 644885.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1626.823+/-0.226 χ^2/NDF : 1285973.6/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_mean vs Slug



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

Left Out: 565.312+/-266.531 χ^2/NDF :32.7/17

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

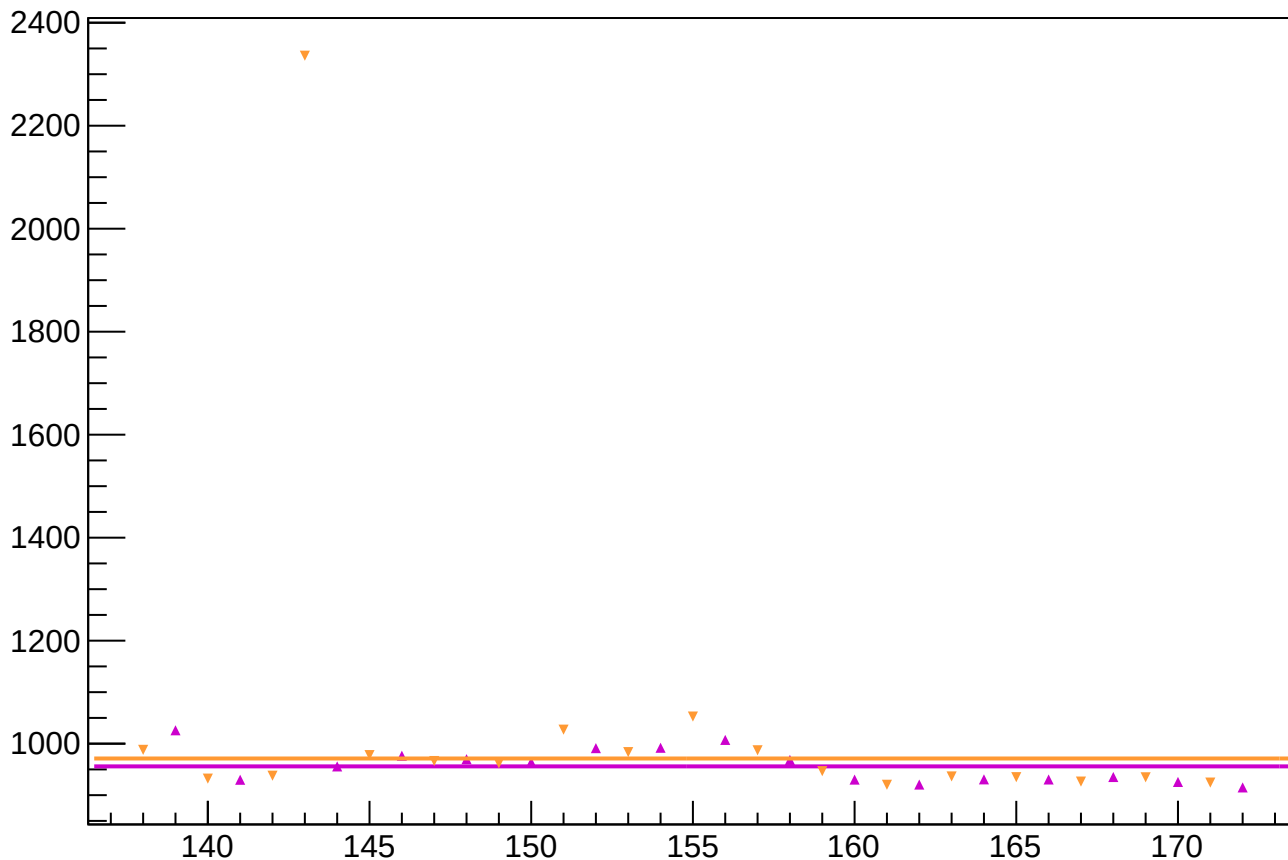
Left In: 291.130+/-262.649 χ^2/NDF :14.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 426.210+/-187.078 χ^2/NDF : 47.5/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_dd_rms vs Slug



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

Left Out: 971.200+/-0.188 χ^2/NDF : 493992.5/17

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

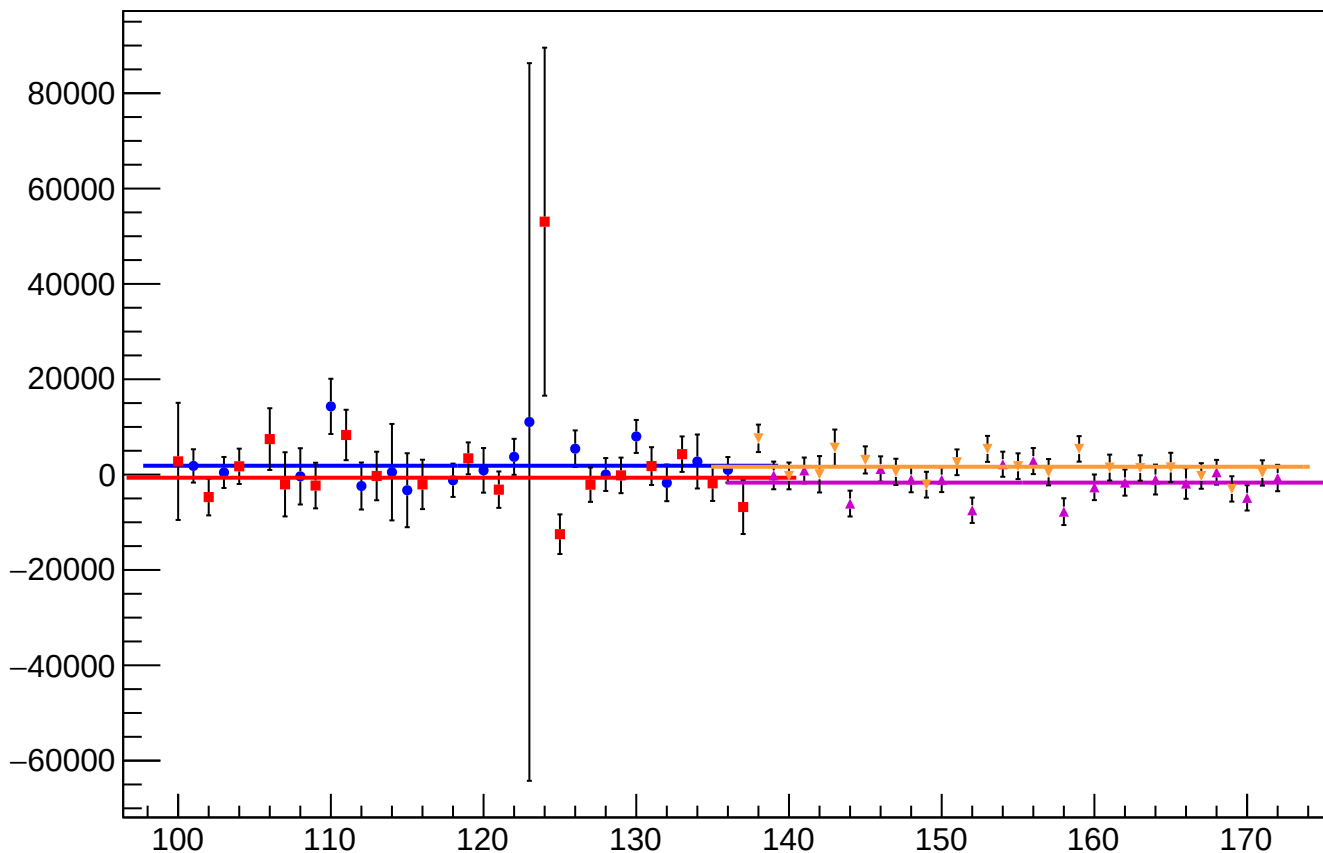
Left In: 955.892+/-0.186 χ^2/NDF : 28563.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 963.434+/-0.132 χ^2/NDF : 525902.9/34

- 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: 1646.796 $\pm$ 664.915 χ^2 /NDF:16.3/17

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

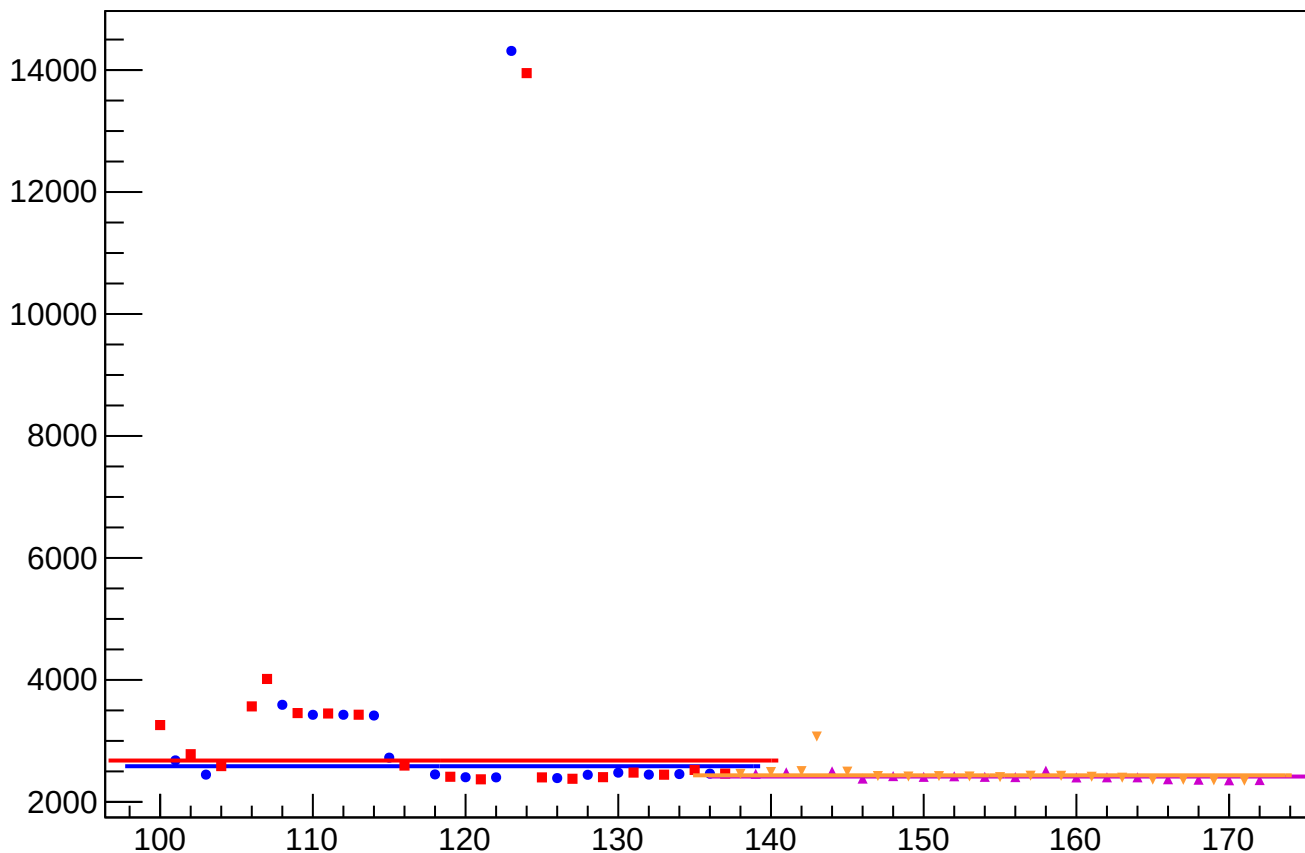
Left In: -1681.625 $\pm$ 665.476 χ^2 /NDF:21.9/16

+ sign 1710.885 $\pm$ 555.939 χ^2 /NDF: 28.9/34

All: 172.811 $\pm$ 393.820 χ^2 /NDF: 88.9/70

- 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: 2435.669+/-0.470 χ^2/NDF : 65967.0/17

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

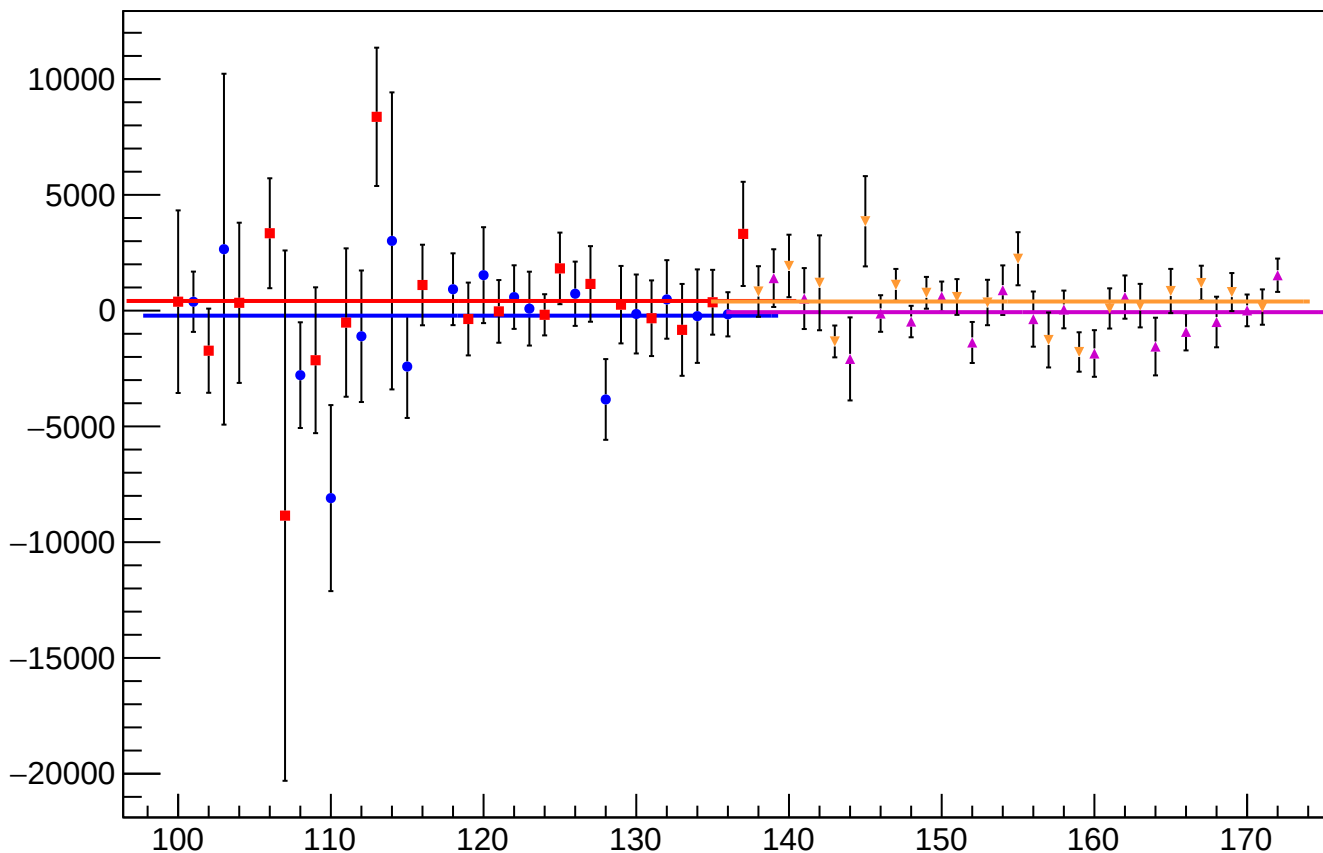
Left In: 2415.733+/-0.471 χ^2/NDF : 9745.9/16

+ sign 2480.552+/-0.393 χ^2/NDF : 351960.7/34

All: 2487.103+/-0.278 χ^2/NDF : 986789.7/70

- 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: 394.489 ± 211.509 χ^2/NDF : 25.5/17

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

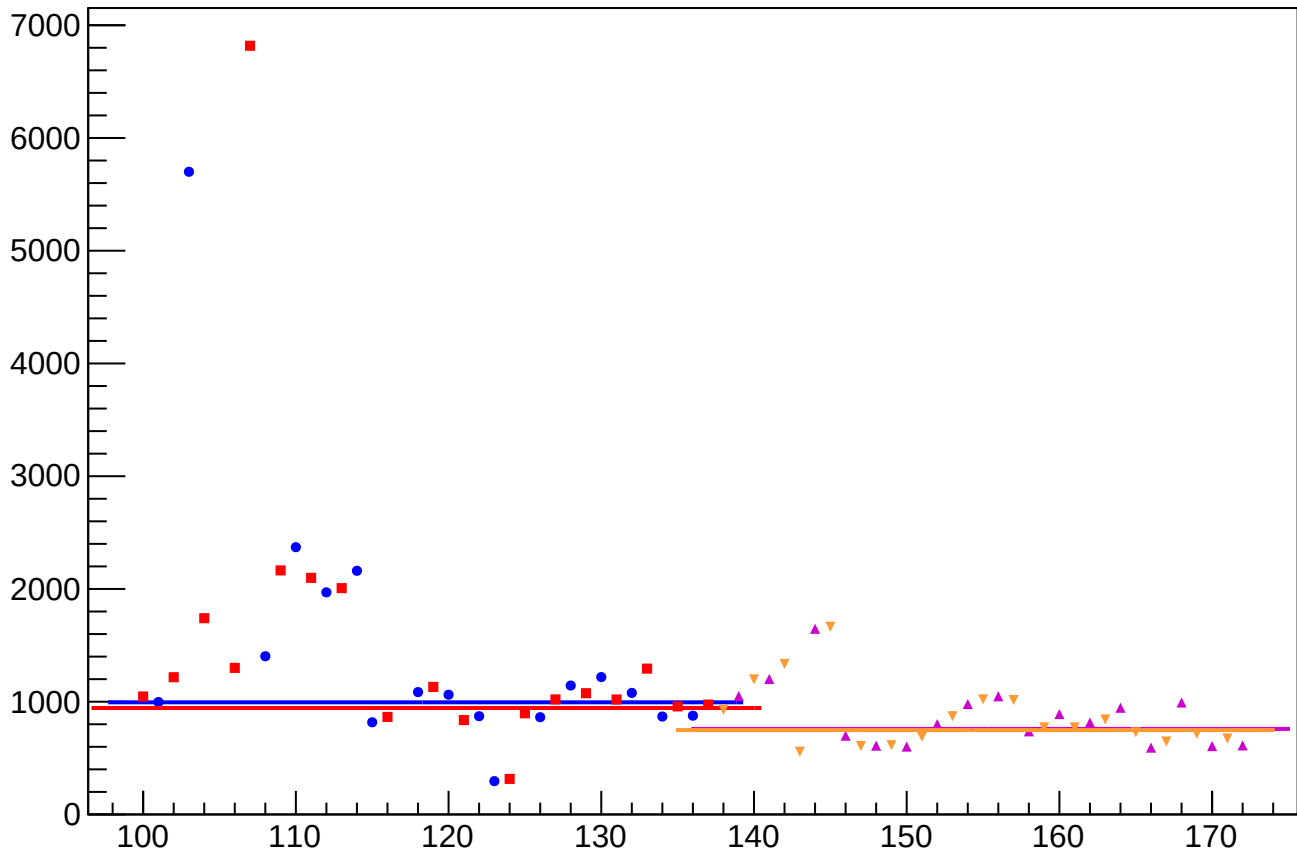
Left In: -65.919 ± 216.904 χ^2/NDF : 18.6/16

+ sign 270.817 ± 188.914 χ^2/NDF : 40.6/34

All: 157.120 ± 134.530 χ^2/NDF : 76.7/70

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

asym_atl1_correction_rms vs Slug



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

Left Out: 748.443 $\pm$ 0.150 χ^2/NDF :1540243.2/17

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

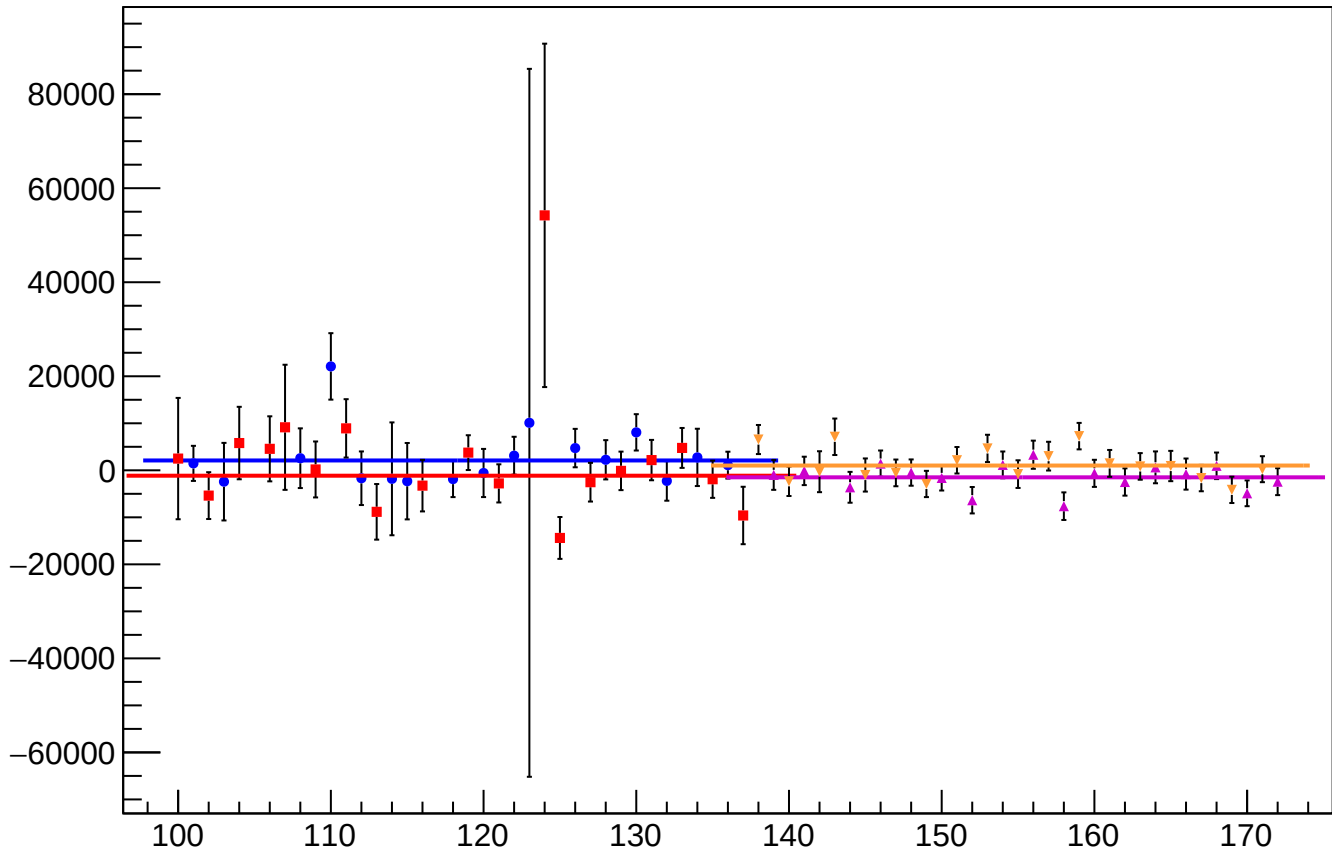
Left In: 758.615 $\pm$ 0.153 χ^2/NDF :1704136.5/16

+ sign 798.214 $\pm$ 0.134 χ^2/NDF : 3992387.6/34

All: 798.786 $\pm$ 0.095 χ^2/NDF : 8684291.7/70

- sign 799.375 $\pm$ 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: 1015.172 ± 710.415 χ^2/NDF : 21.4/17

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

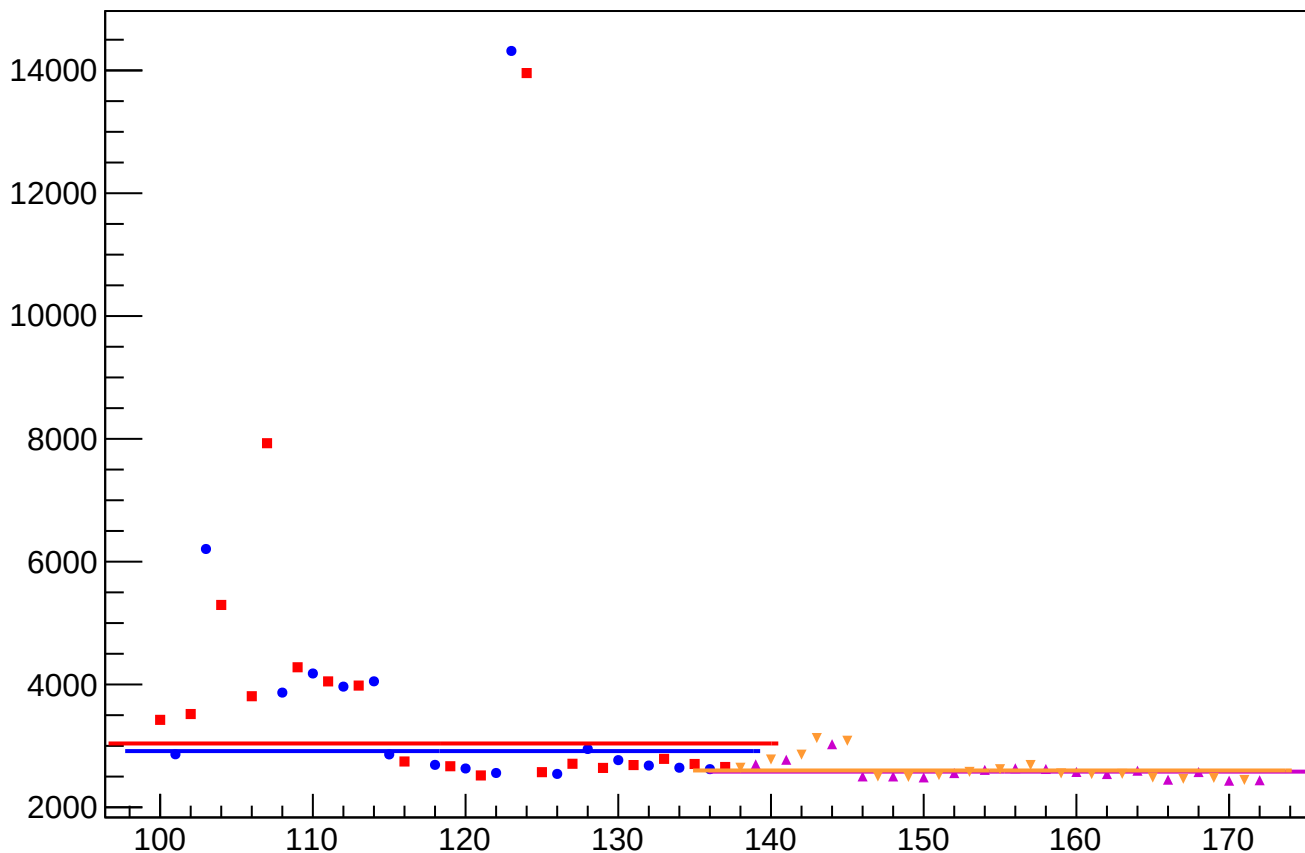
Left In: -1493.204 ± 711.750 χ^2/NDF : 15.7/16

+ sign 1309.293 ± 605.890 χ^2/NDF : 36.7/34

All: -36.177 ± 430.023 χ^2/NDF : 87.6/70

- 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: 2599.465+/-0.502 χ^2 /NDF: 116747.5/17

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

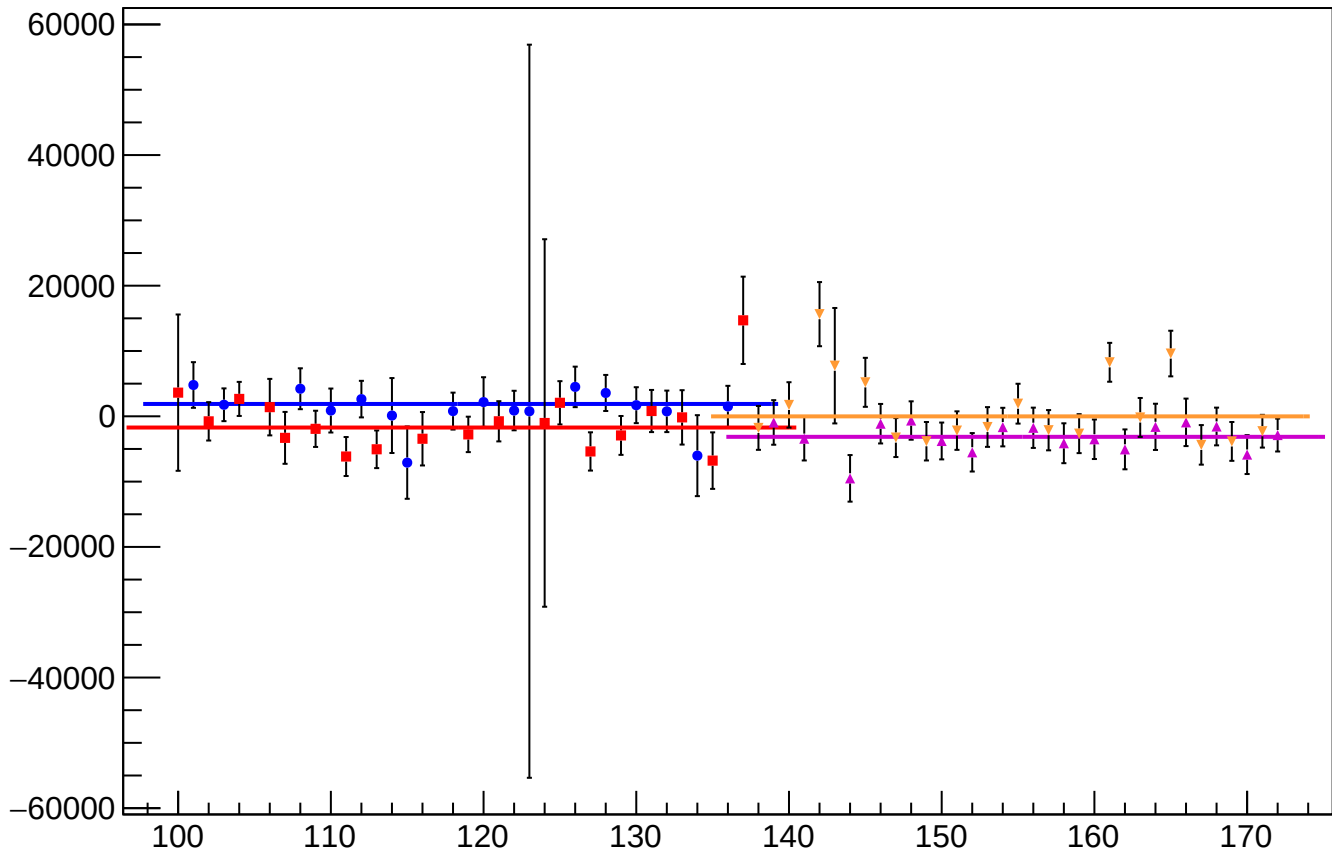
Left In: 2580.613+/-0.503 χ^2 /NDF: 69323.2/16

+ sign 2685.540+/-0.428 χ^2 /NDF: 863581.2/34

All: 2693.646+/-0.304 χ^2 /NDF: 2164521.4/70

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

reg_asym_atl2_mean vs Slug



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

Left Out: -11.238 ± 753.570 χ^2/NDF : 38.6/17

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

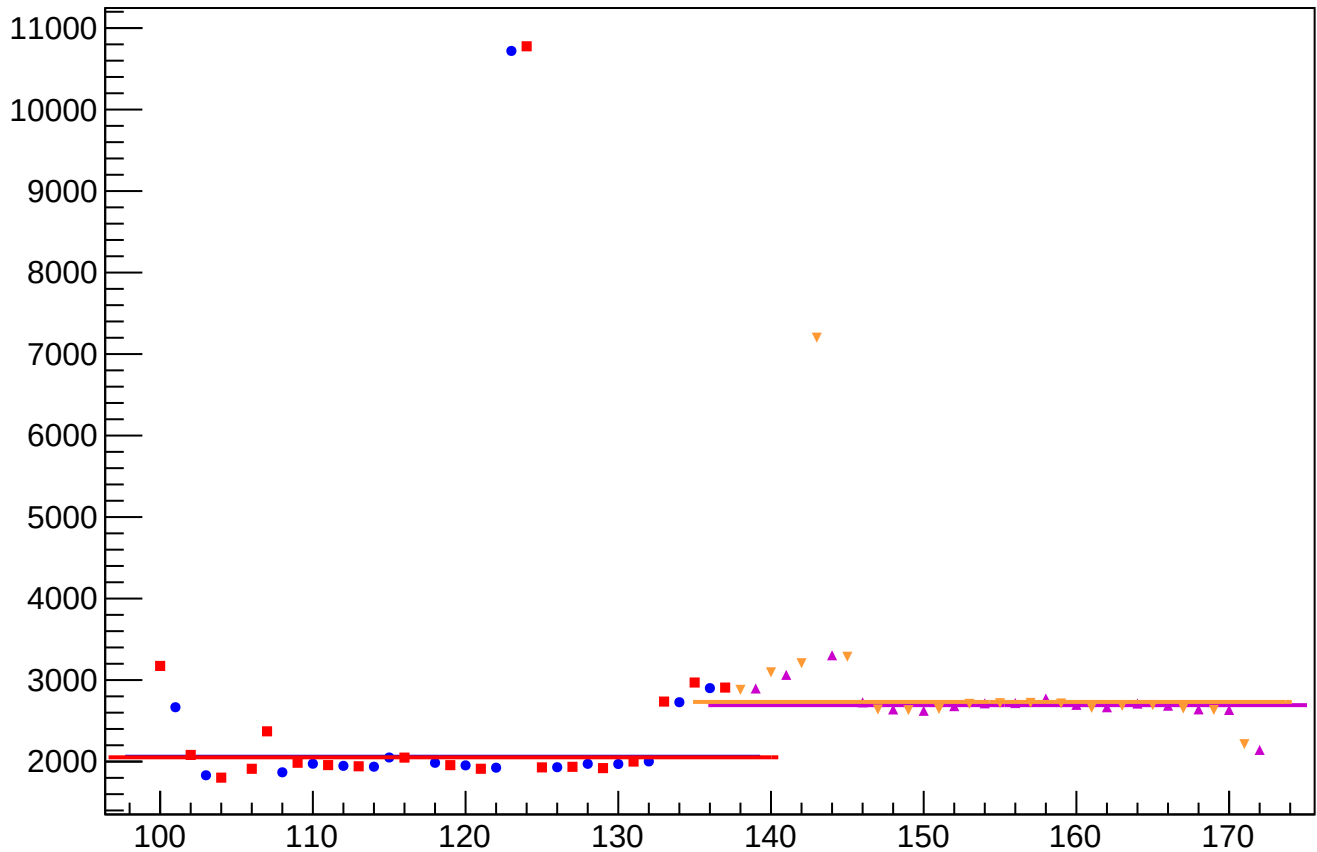
Left In: -3142.317 ± 743.333 χ^2/NDF : 8.1/16

+ sign 869.158 ± 552.178 χ^2/NDF : 48.8/34

All: -835.422 ± 386.581 χ^2/NDF : 96.4/70

- sign -2474.097 ± 541.398 χ^2/NDF : 28.8/35

reg_asym_atl2_rms vs Slug



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

Left Out: 2731.724+/-0.533 χ^2 /NDF: 696827.0/17

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

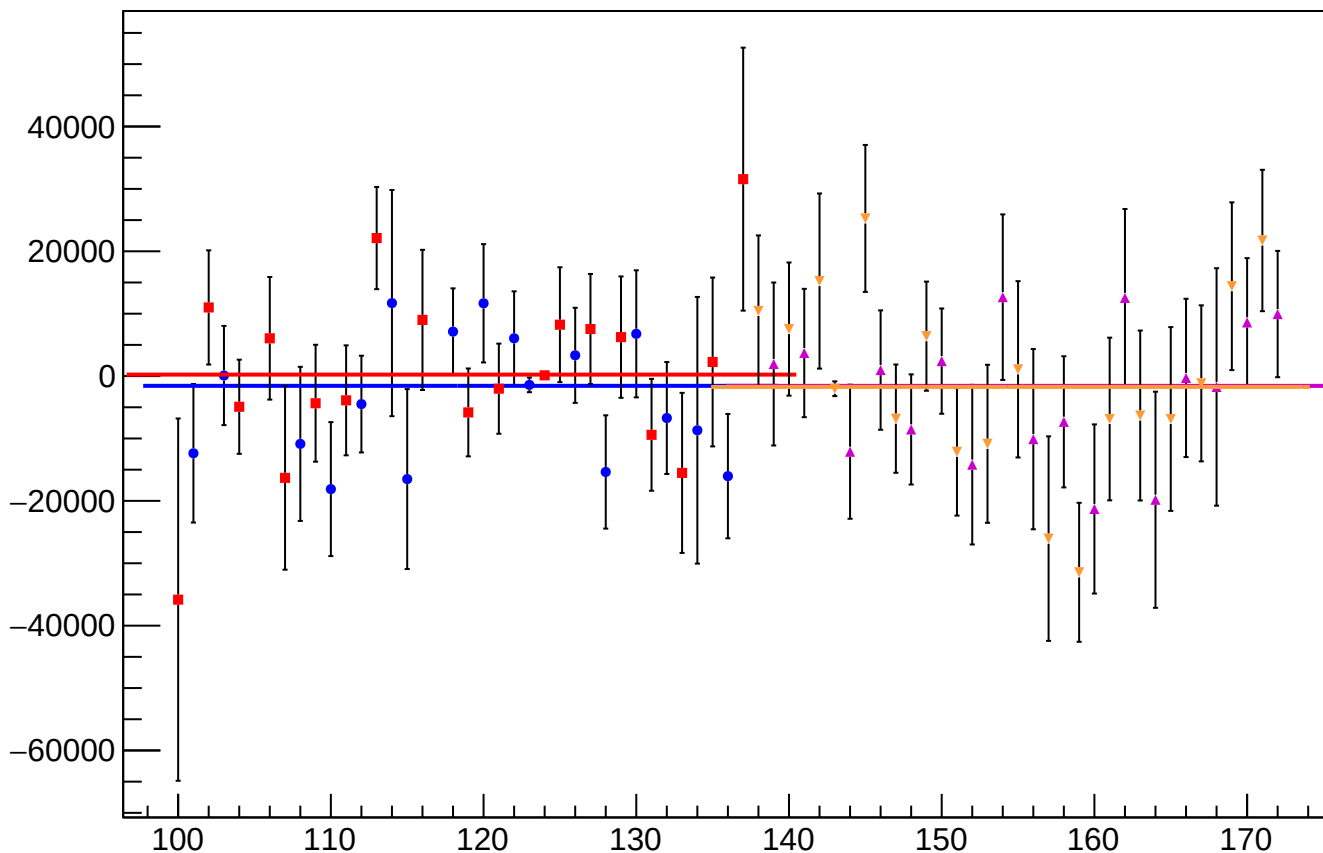
Left In: 2692.152+/-0.526 χ^2 /NDF: 191564.7/16

+ sign 2420.183+/-0.390 χ^2 /NDF: 1753563.6/34

All: 2405.664+/-0.273 χ^2 /NDF: 3087046.1/70

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

asym_atl2_correction_mean vs Slug



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

Left Out: -1733.503 $\pm$ 1092.767 χ^2 /NDF:26.8/17

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

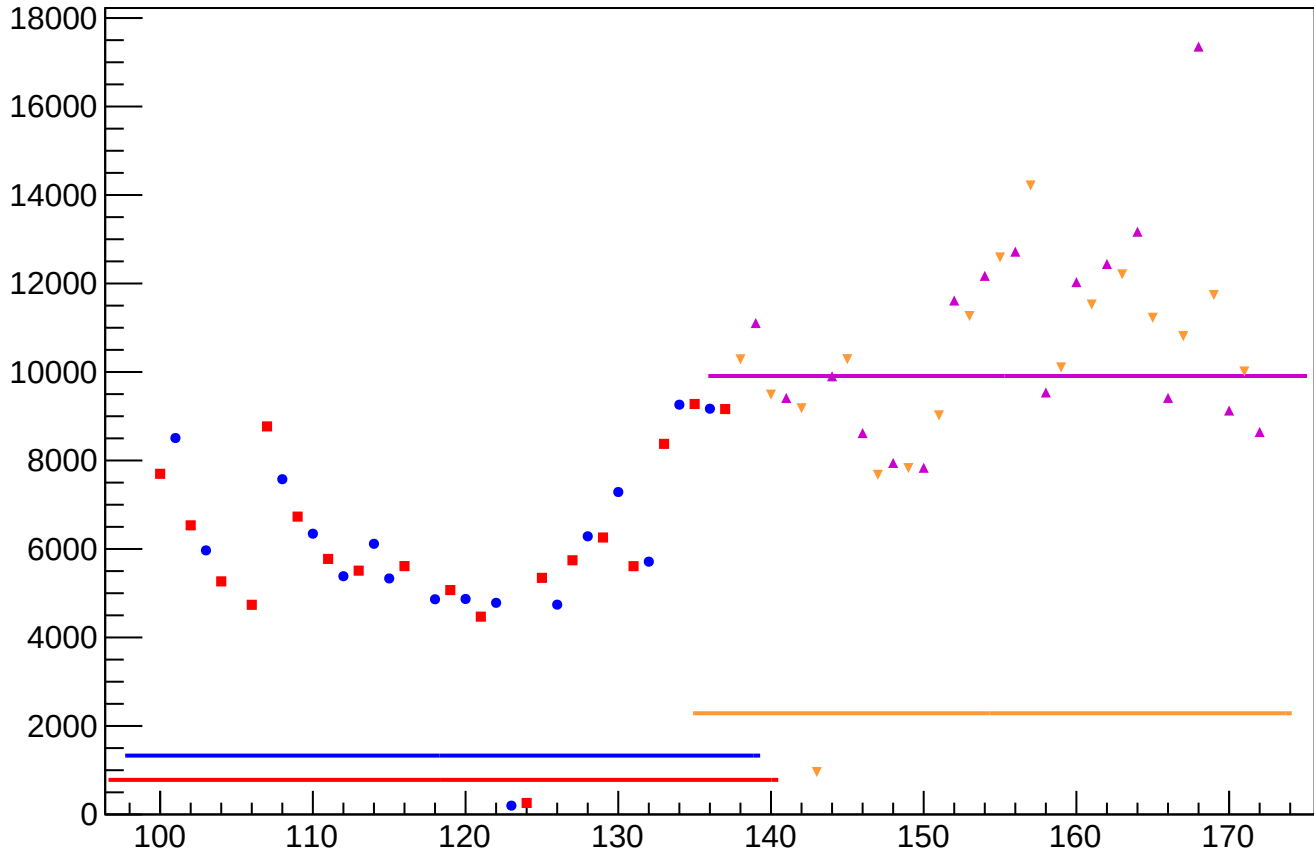
Left In: -1568.863 $\pm$ 2781.264 χ^2 /NDF:11.5/16

+ sign -1645.282 $\pm$ 758.605 χ^2 /NDF: 43.0/34

All: -653.675 $\pm$ 504.033 χ^2 /NDF: 78.7/70

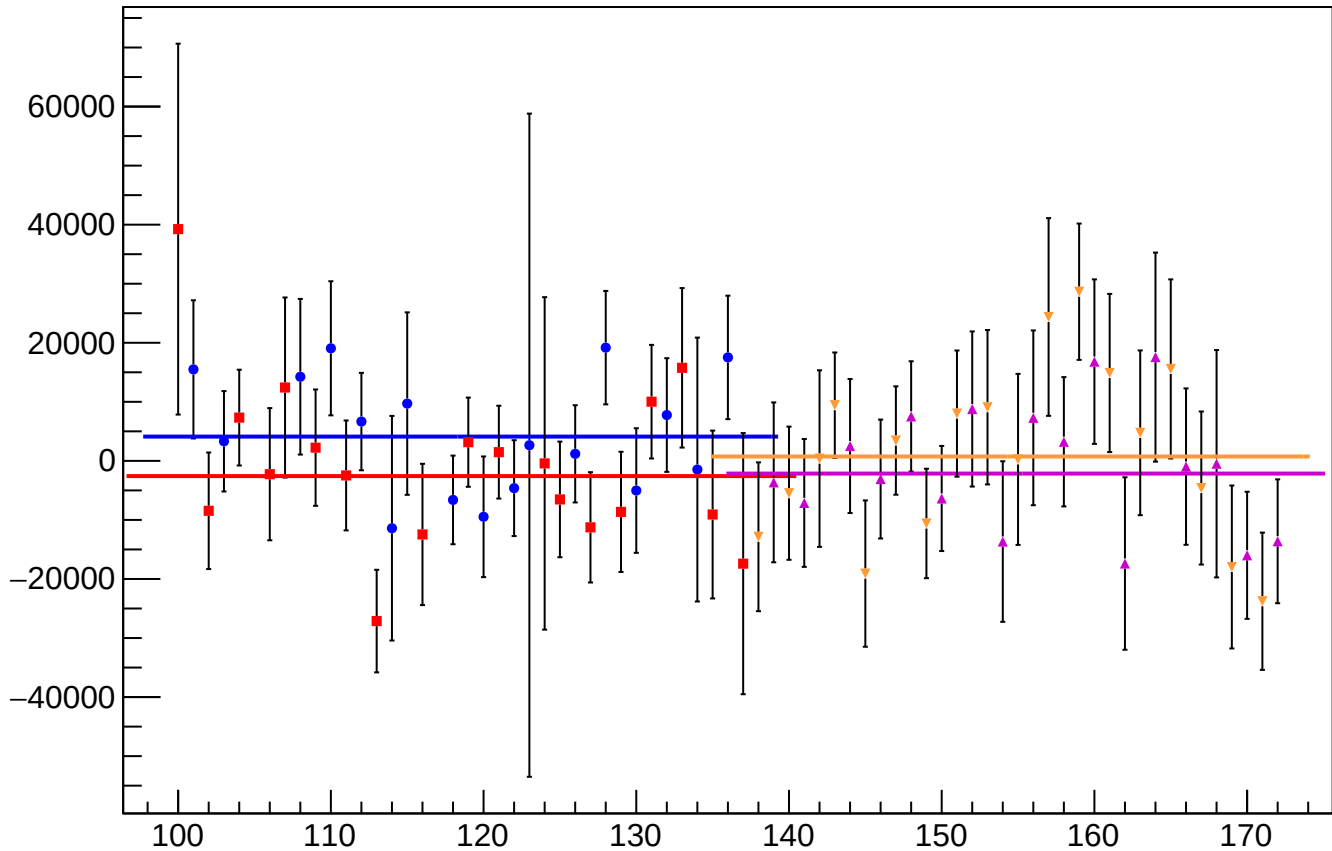
- sign 130.060 $\pm$ 674.420 χ^2 /NDF: 32.7/35

asym_atl2_correction_rms vs Slug



Right In: 1330.250+/-0.745	χ^2/NDF : 10046828.9/16	+ sign 1791.433+/-0.536	χ^2/NDF : 28758873.7/34
Left Out: 2287.216+/-0.773	χ^2/NDF : 17917417.9/17	All: 1527.292+/-0.356	χ^2/NDF : 61889624.4/7
Right Out: 781.848+/-0.492	χ^2/NDF : 11439893.7/18	- sign 1318.523+/-0.477	χ^2/NDF : 32696628.3/35
Left In: 9909.004+/-1.967	χ^2/NDF : 984641.6/16		

asym_atl2_mean vs Slug



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

Left Out: 744.742+/-2824.472 χ^2/NDF : 23.9/17

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

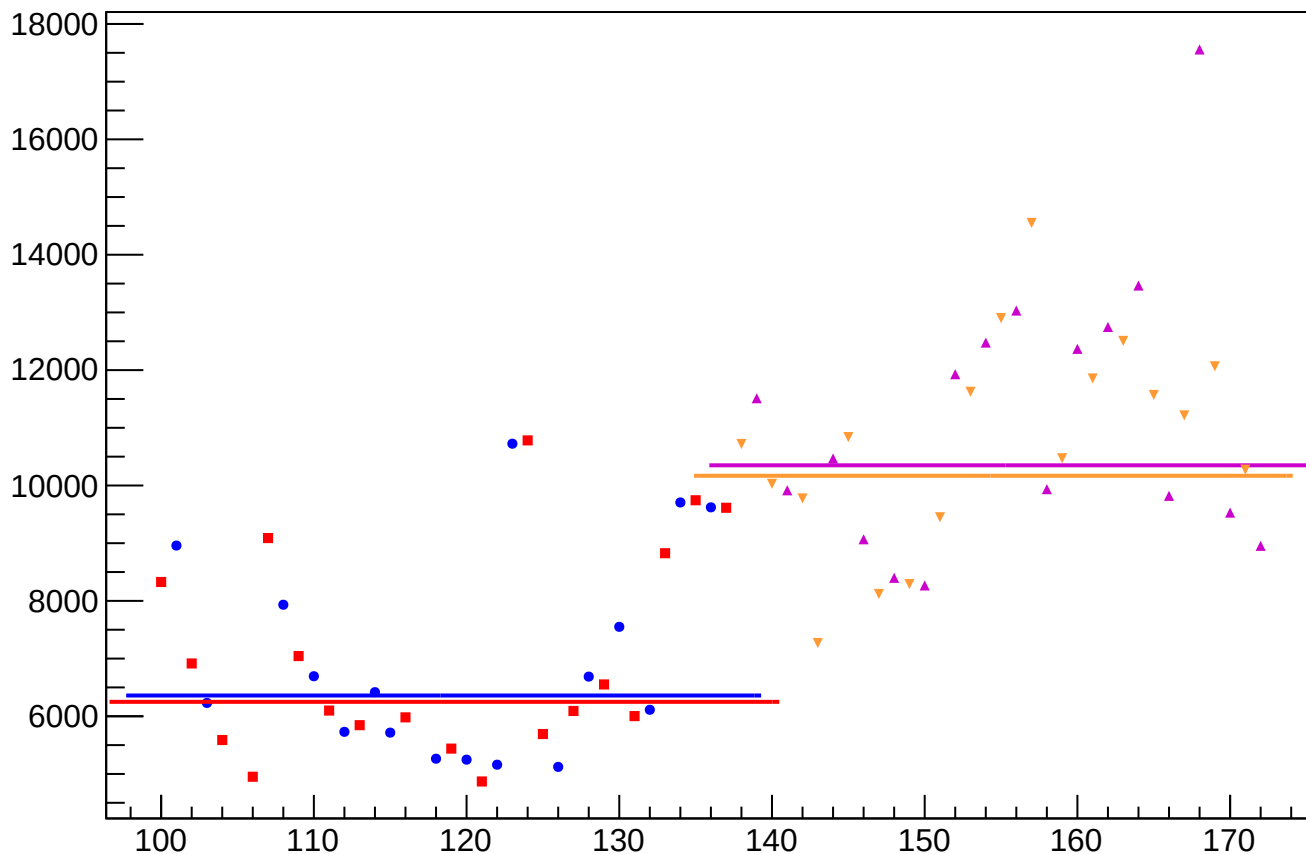
Left In: -2148.987+/-2898.929 χ^2/NDF : 10.8/16

+ sign 2609.958+/-1886.353 χ^2/NDF : 39.0/34

All: 66.203+/-1323.708 χ^2/NDF : 73.3/70

- 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: 10168.843+/-1.997 χ^2/NDF : 803928.8/17

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

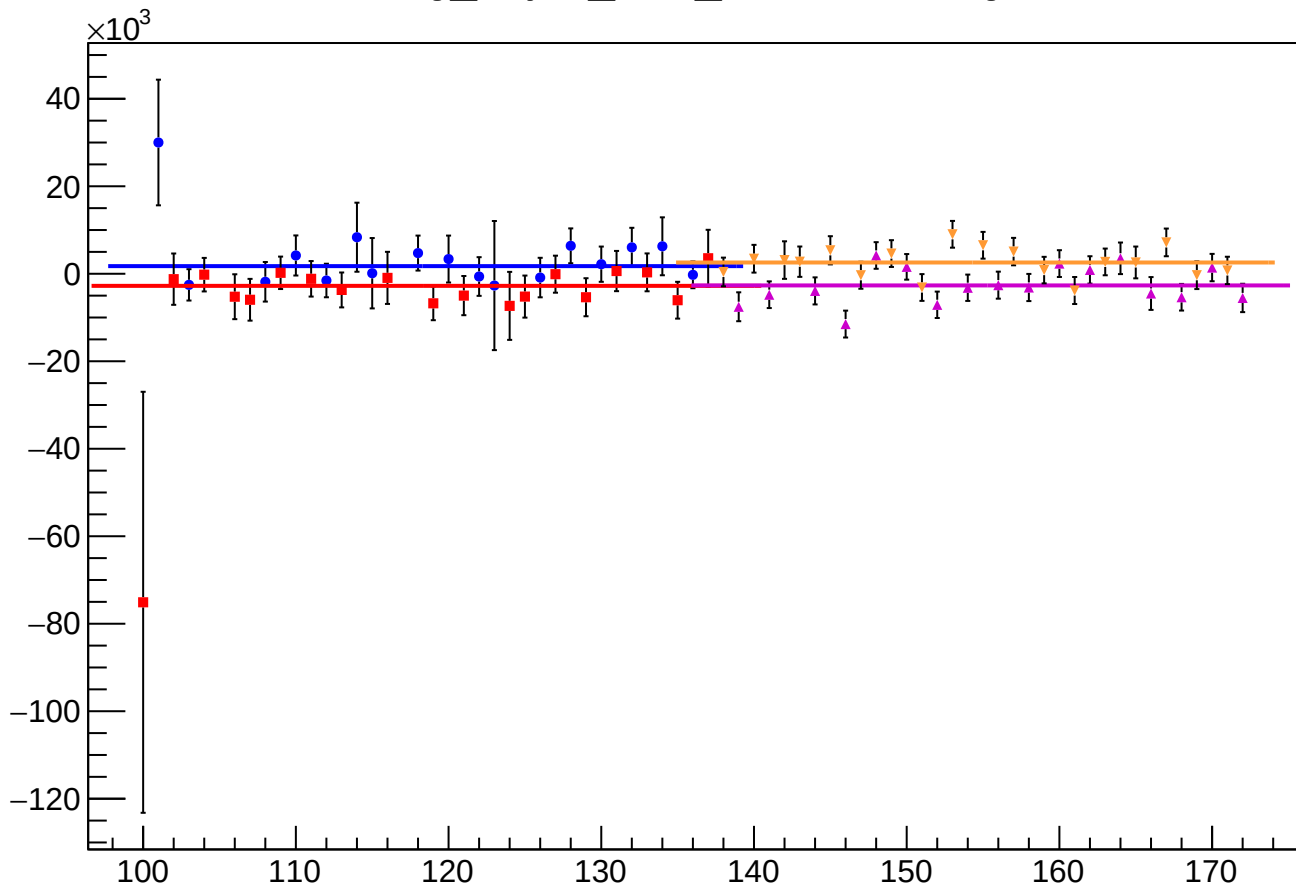
Left In: 10349.889+/-2.050 χ^2/NDF : 882311.3/16

+ sign 8058.838+/-1.334 χ^2/NDF : 3399238.4/34

All: 7995.512+/-0.936 χ^2/NDF : 7176089.3/70

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

reg_asym_atr1_mean vs Slug



Right In: 1746.001 ± 1128.522 χ^2/NDF : 12.2/16

Left Out: 2576.734 ± 754.199 χ^2/NDF : 20.7/17

Right Out: -2763.863 ± 1071.947 χ^2/NDF : 9.7/18

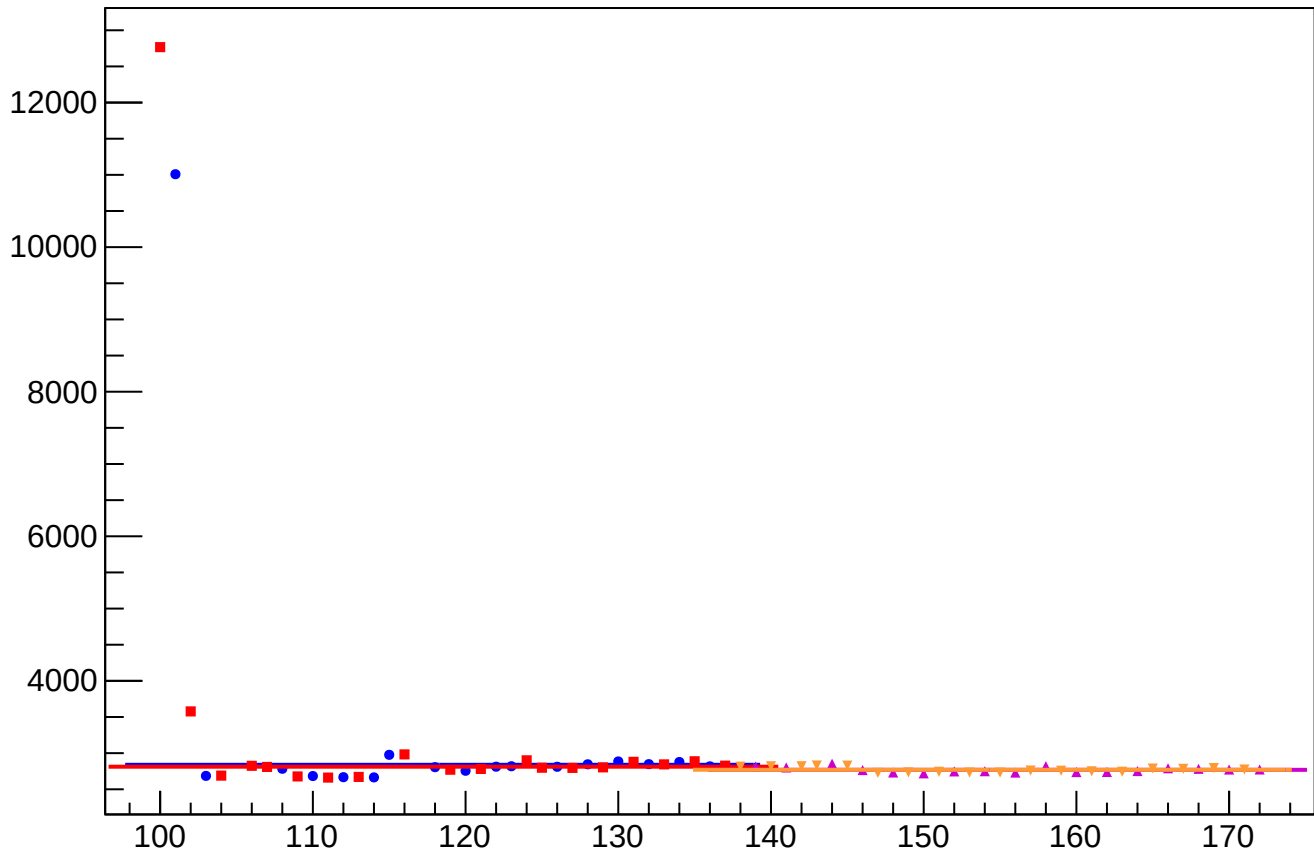
Left In: -2666.579 ± 761.367 χ^2/NDF : 30.9/16

+ sign 2320.253 ± 627.057 χ^2/NDF : 33.3/34

All: -214.930 ± 441.141 χ^2/NDF : 106.3/70

- sign -2699.200 ± 620.728 χ^2/NDF : 40.6/35

reg_asym_atr1_rms vs Slug



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

Left Out: 2770.086+/-0.533 χ^2/NDF : 4220.6/17

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

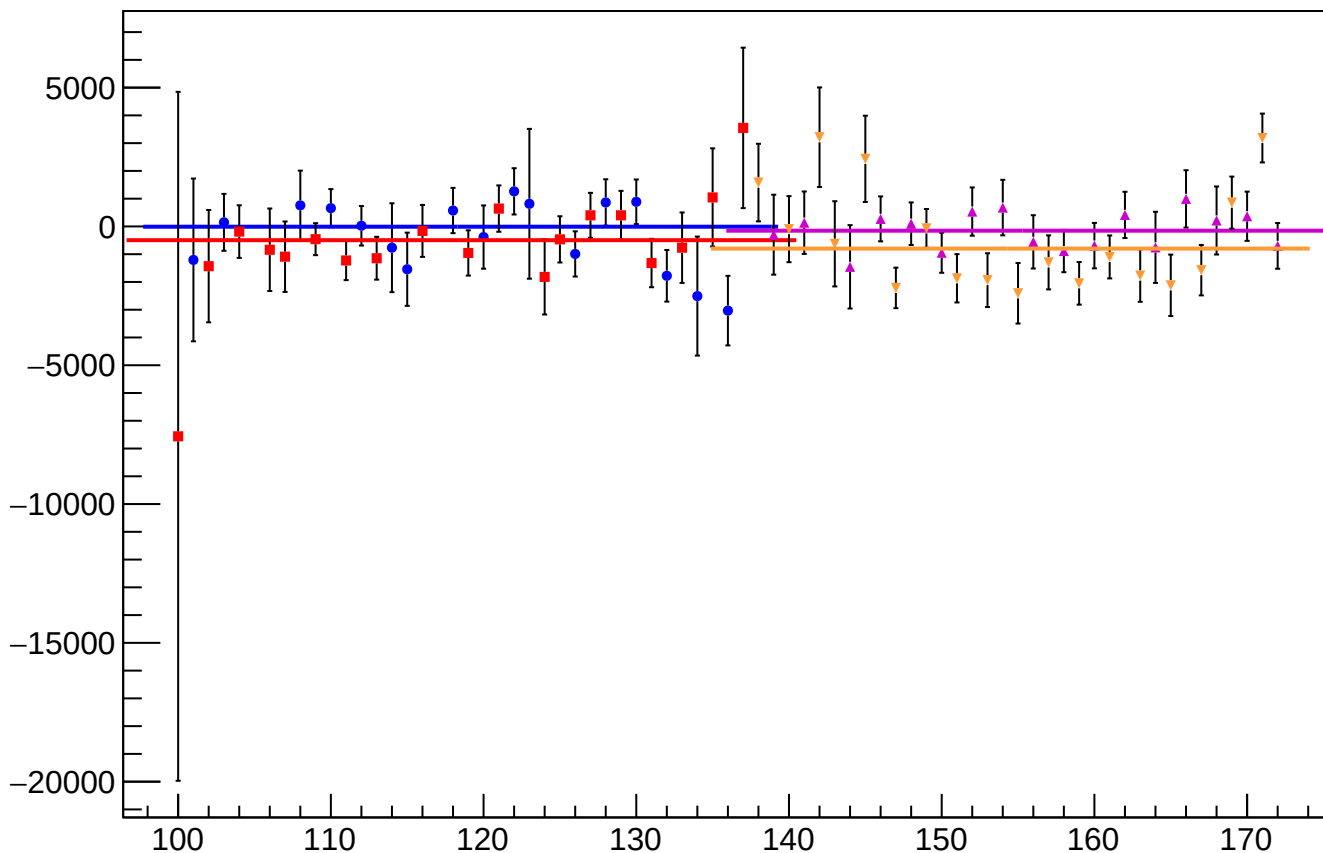
Left In: 2769.221+/-0.538 χ^2/NDF : 4529.7/16

+ sign 2791.281+/-0.443 χ^2/NDF : 669546.1/34

All: 2787.491+/-0.312 χ^2/NDF : 809464.3/70

- sign 2783.776+/-0.439 χ^2/NDF : 139773.5/35

asym_atr1_correction_mean vs Slug



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

Left Out: -797.837 ± 226.200 $\chi^2/\text{NDF}: 52.5/17$

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

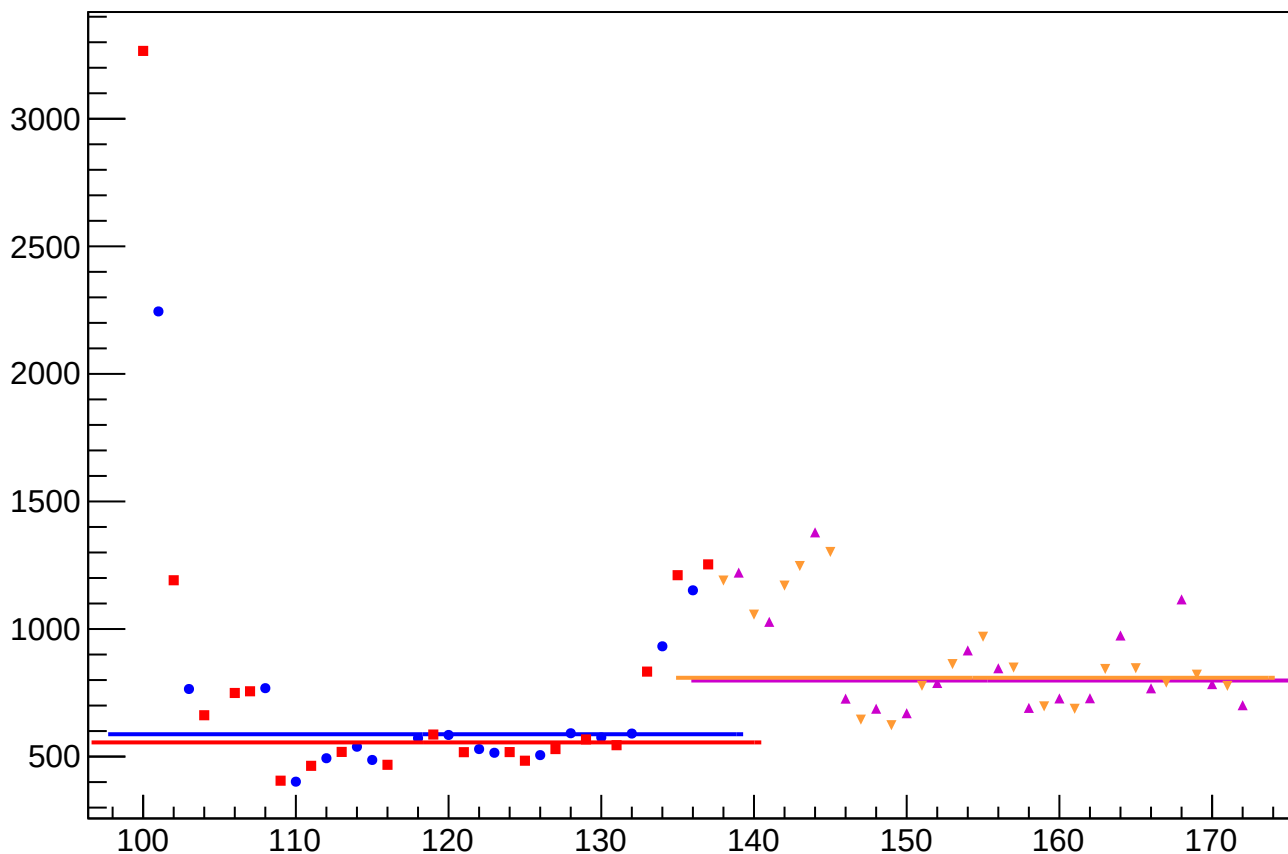
Left In: -153.261 ± 224.231 $\chi^2/\text{NDF}: 8.1/16$

+ sign -429.882 ± 165.148 $\chi^2/\text{NDF}: 78.8/34$

All: -375.694 ± 114.006 $\chi^2/\text{NDF}: 100.2/70$

- sign -326.361 ± 157.576 $\chi^2/\text{NDF}: 21.1/35$

asym_atr1_correction_rms vs Slug



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

Left Out: 808.853 $\pm$ 0.160 χ^2 /NDF:1081013.2/17

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

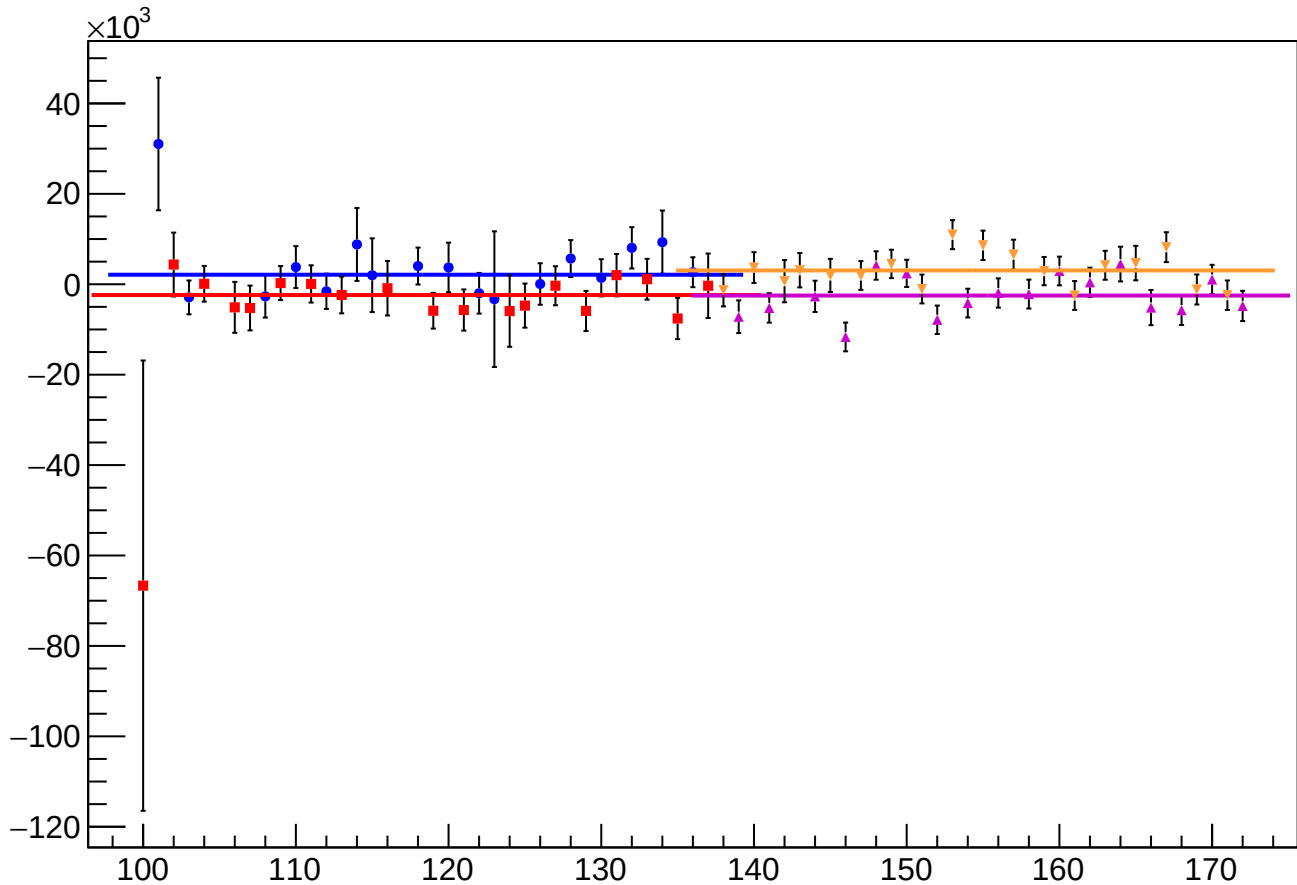
Left In: 798.145 $\pm$ 0.159 χ^2 /NDF:979417.0/16

+ sign 705.537 $\pm$ 0.117 χ^2 /NDF: 3400323.3/34

All: 689.733 $\pm$ 0.081 χ^2 /NDF: 6706556.6/70

- 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: 3059.153 $\pm$ 795.457 χ^2 /NDF:24.2/17

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

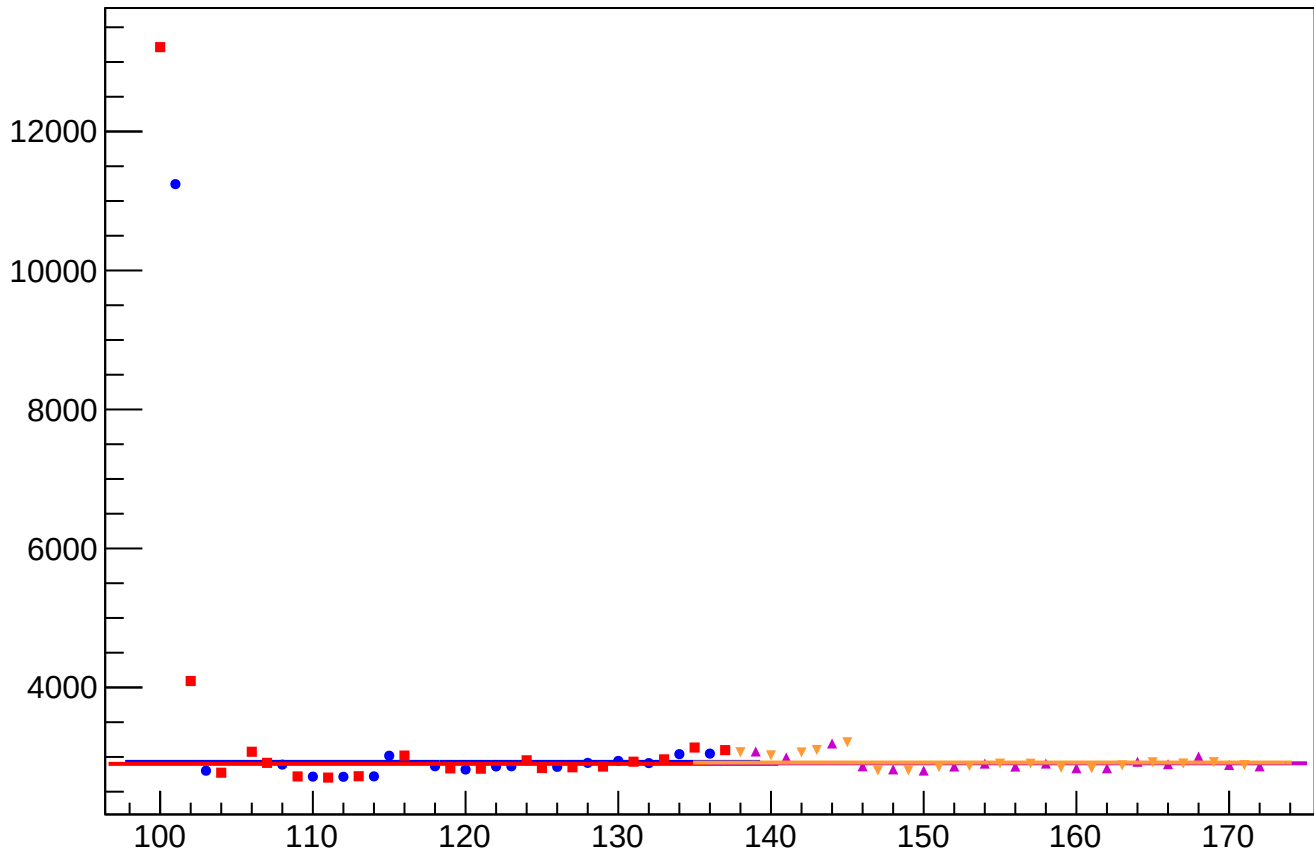
Left In: -2497.718 $\pm$ 800.079 χ^2 /NDF:31.1/16

+ sign 2756.638 $\pm$ 656.810 χ^2 /NDF: 38.1/34

All: 117.773 $\pm$ 461.684 χ^2 /NDF: 111.1/70

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

asym_atr1_rms vs Slug



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

Left Out: 2919.605 $\pm$ 0.562 χ^2 /NDF: 34221.6/17

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

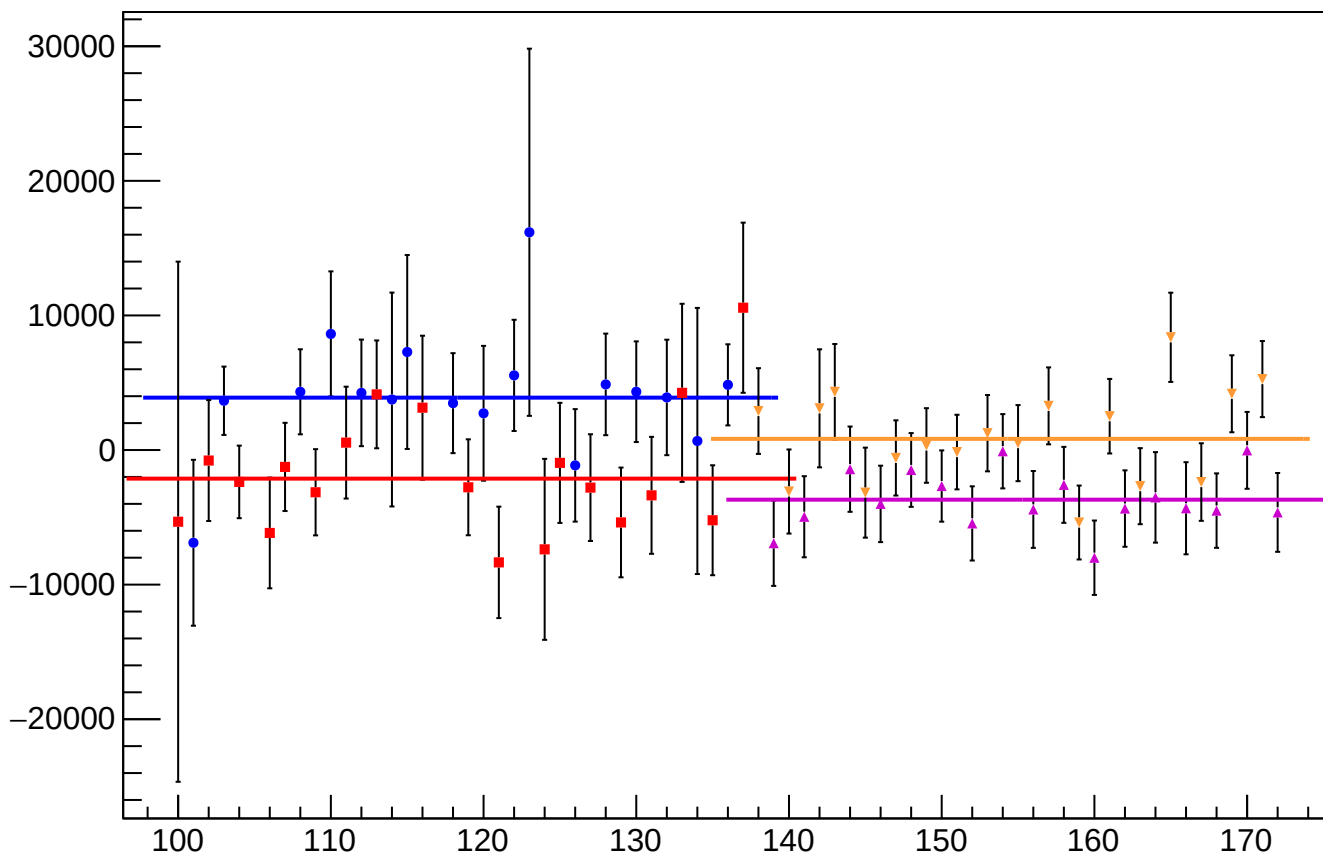
Left In: 2908.663 $\pm$ 0.566 χ^2 /NDF: 28781.0/16

+ sign 2922.499 $\pm$ 0.464 χ^2 /NDF: 696667.7/34

All: 2914.083 $\pm$ 0.326 χ^2 /NDF: 895890.0/70

- sign 2905.864 $\pm$ 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: 829.908 ± 701.961 χ^2/NDF : 23.1/17

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

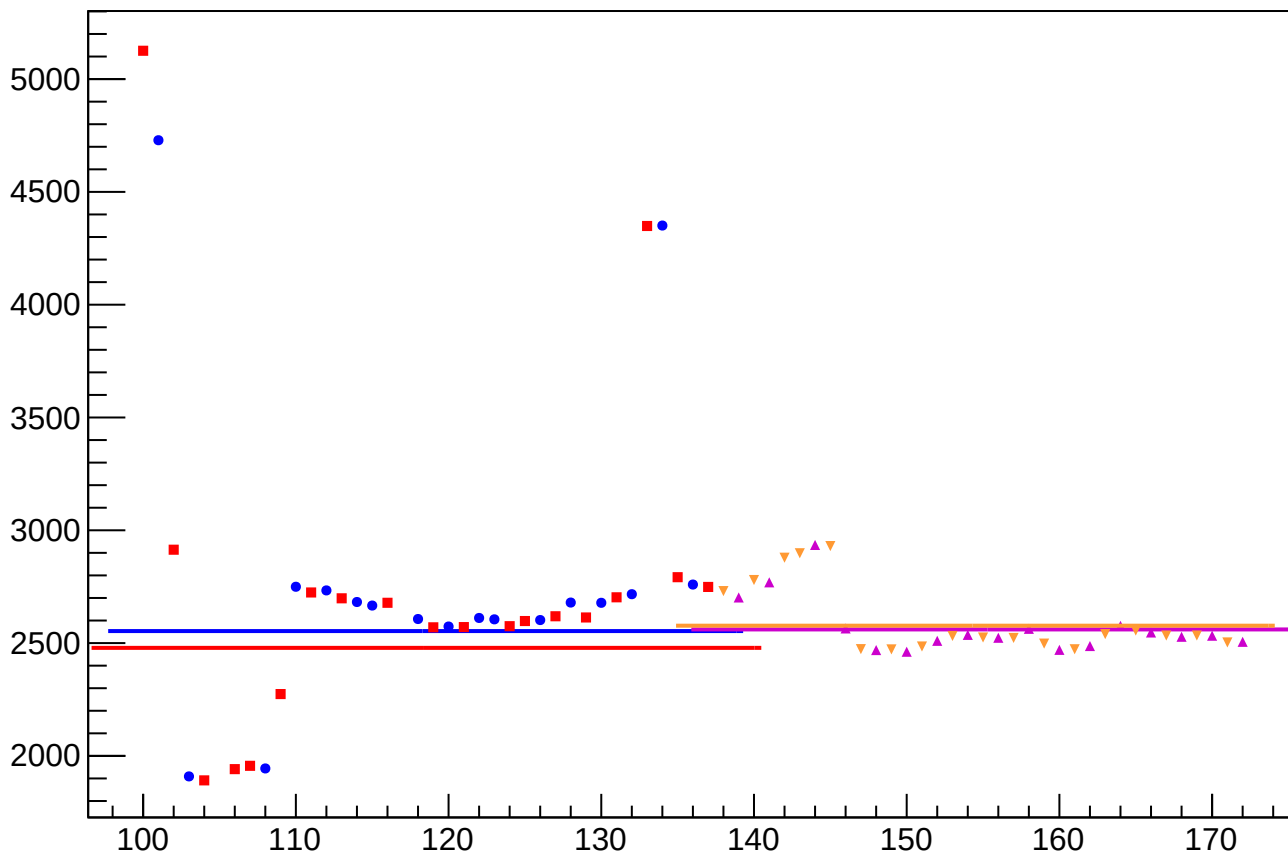
Left In: -3688.693 ± 703.747 χ^2/NDF : 9.2/16

+ sign 1825.139 ± 576.736 χ^2/NDF : 36.5/34

All: -699.025 ± 404.418 χ^2/NDF : 99.4/70

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

reg_asym_atr2_rms vs Slug



Right In: 2553.280 $\pm$ 0.715 χ^2 /NDF: 545226.9/16

Left Out: 2577.152 $\pm$ 0.496 χ^2 /NDF: 78136.7/17

Right Out: 2478.860 $\pm$ 0.678 χ^2 /NDF: 449502.6/18

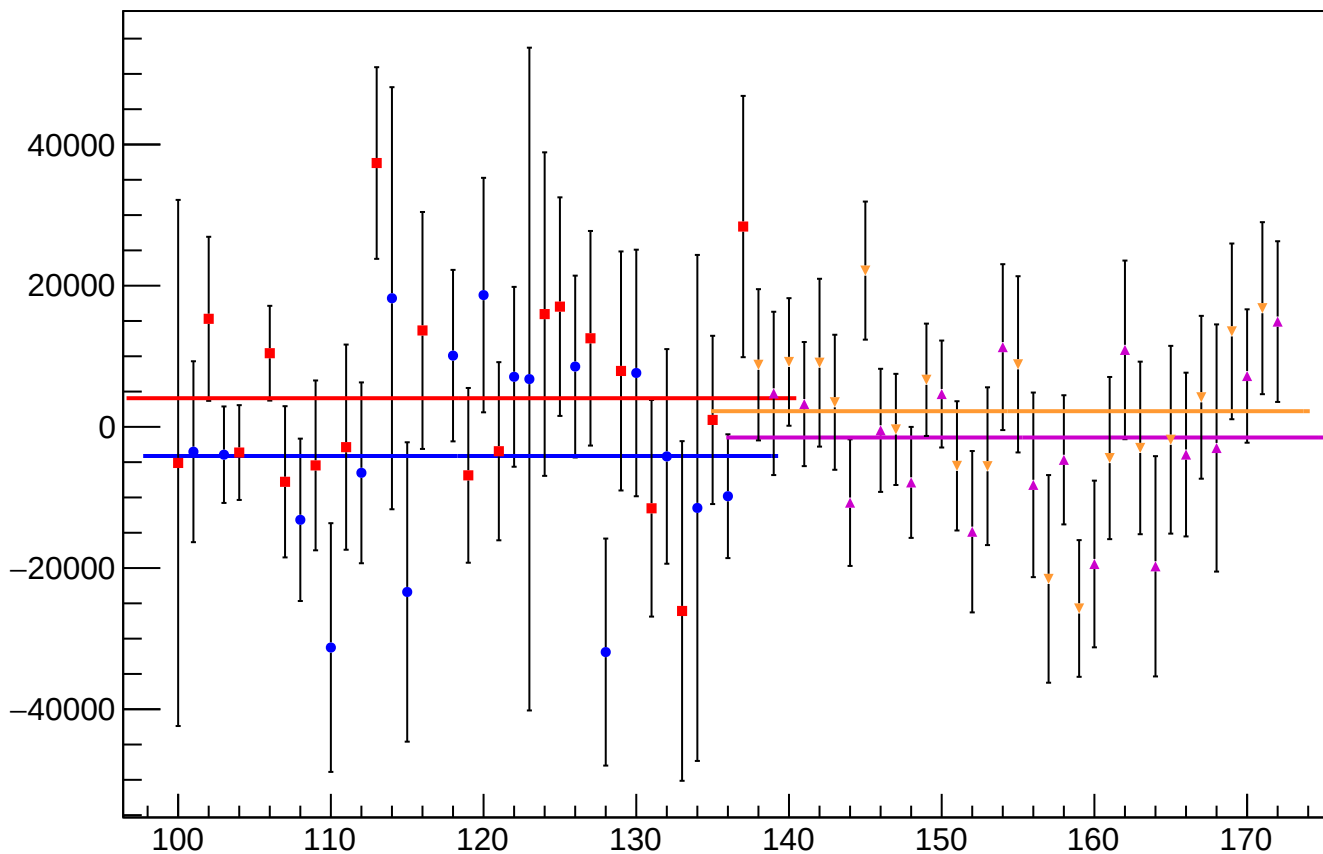
Left In: 2560.500 $\pm$ 0.498 χ^2 /NDF: 52455.5/16

+ sign 2569.395 $\pm$ 0.408 χ^2 /NDF: 624115.2/34

All: 2550.337 $\pm$ 0.286 χ^2 /NDF: 1139798.2/70

- sign 2531.902 $\pm$ 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: 2220.773 ± 2472.083 χ^2/NDF : 21.2/17

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

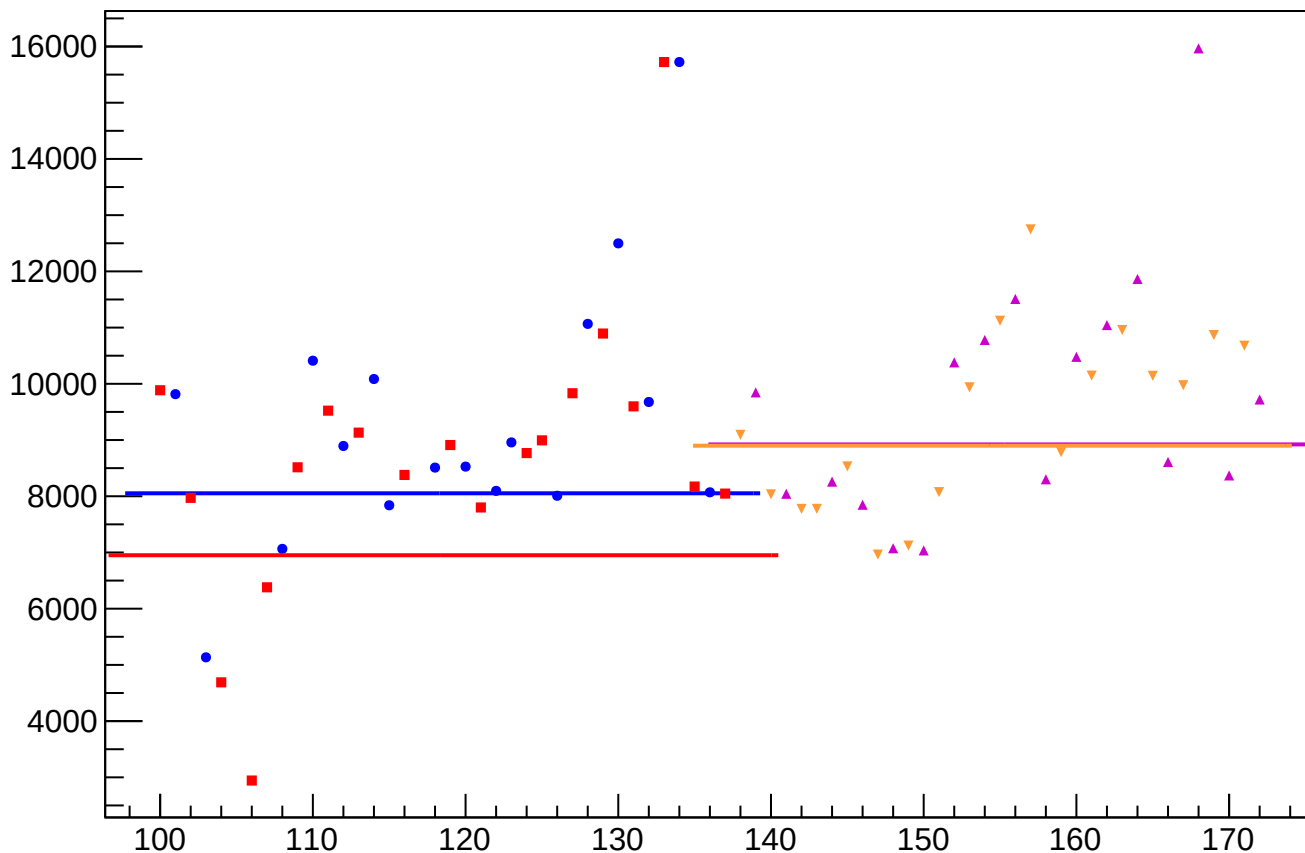
Left In: -1506.136 ± 2504.327 χ^2/NDF : 13.5/16

+ sign -126.477 ± 1962.443 χ^2/NDF : 37.0/34

All: 427.602 ± 1356.329 χ^2/NDF : 71.4/70

- 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: 8899.035 $\pm$ 1.748 χ^2 /NDF: 730034.4/17

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

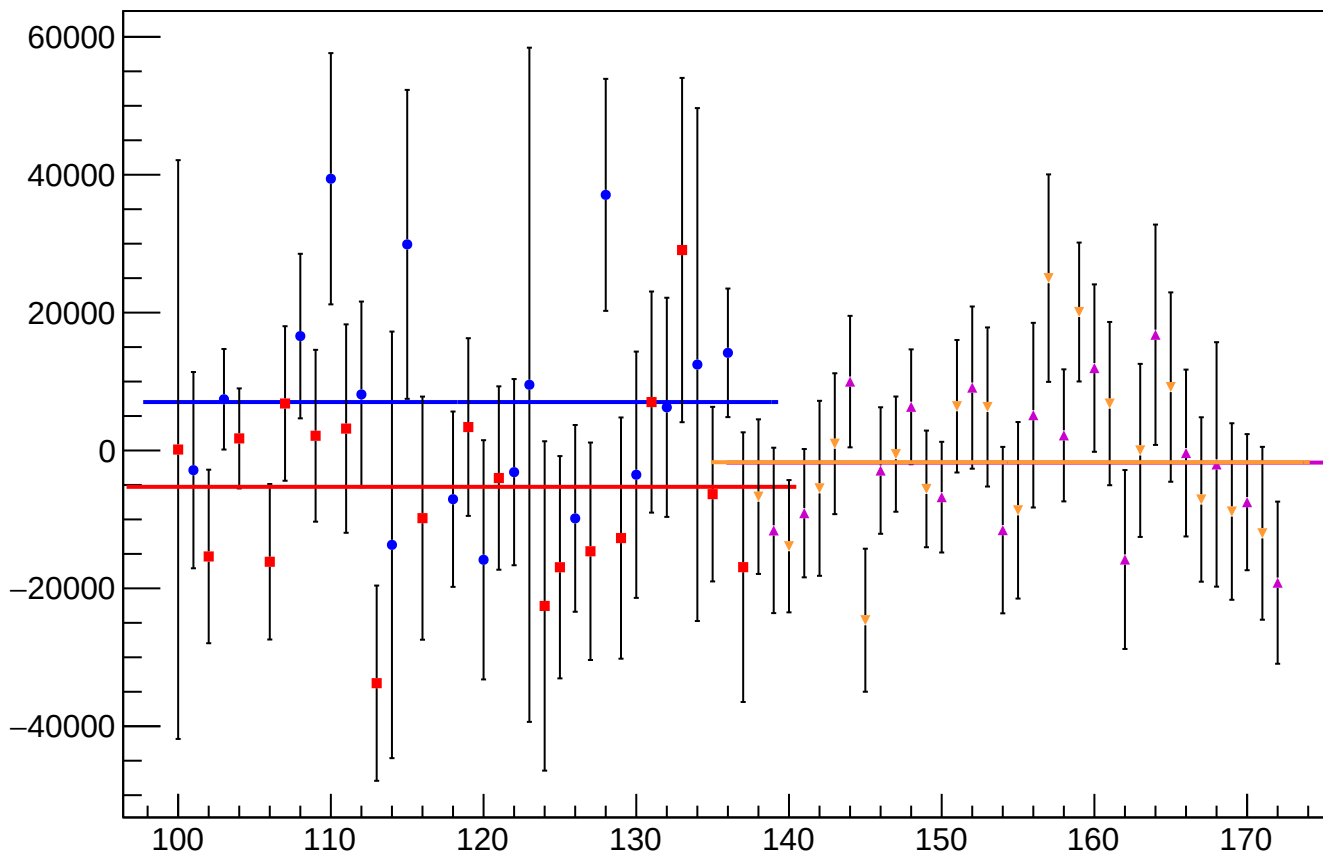
Left In: 8921.877 $\pm$ 1.771 χ^2 /NDF: 982542.7/16

+ sign 8585.993 $\pm$ 1.388 χ^2 /NDF: 1607479.8/34

All: 8310.094 $\pm$ 0.959 χ^2 /NDF: 4985390.1/70

- 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: -1700.601+/-2589.302 χ^2/NDF : 18.8/17

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

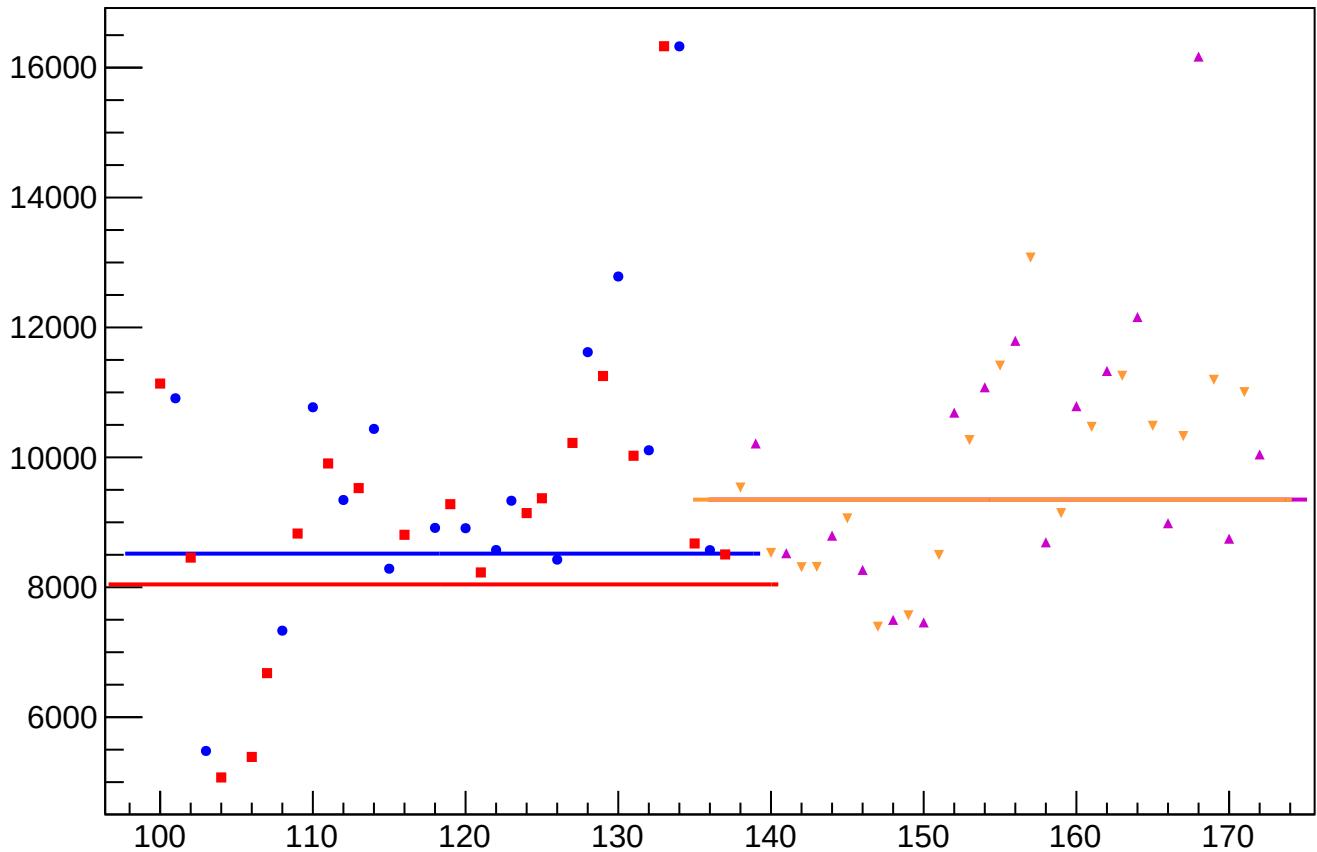
Left In: -1755.511+/-2617.275 χ^2/NDF : 12.4/16

+ sign 1491.226+/-2062.061 χ^2/NDF : 37.9/34

All: -895.992+/-1442.193 χ^2/NDF : 67.1/70

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

asym_atr2_rms vs Slug



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

Left Out: 9349.437+/-1.831 χ^2/NDF : 620332.0/17

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

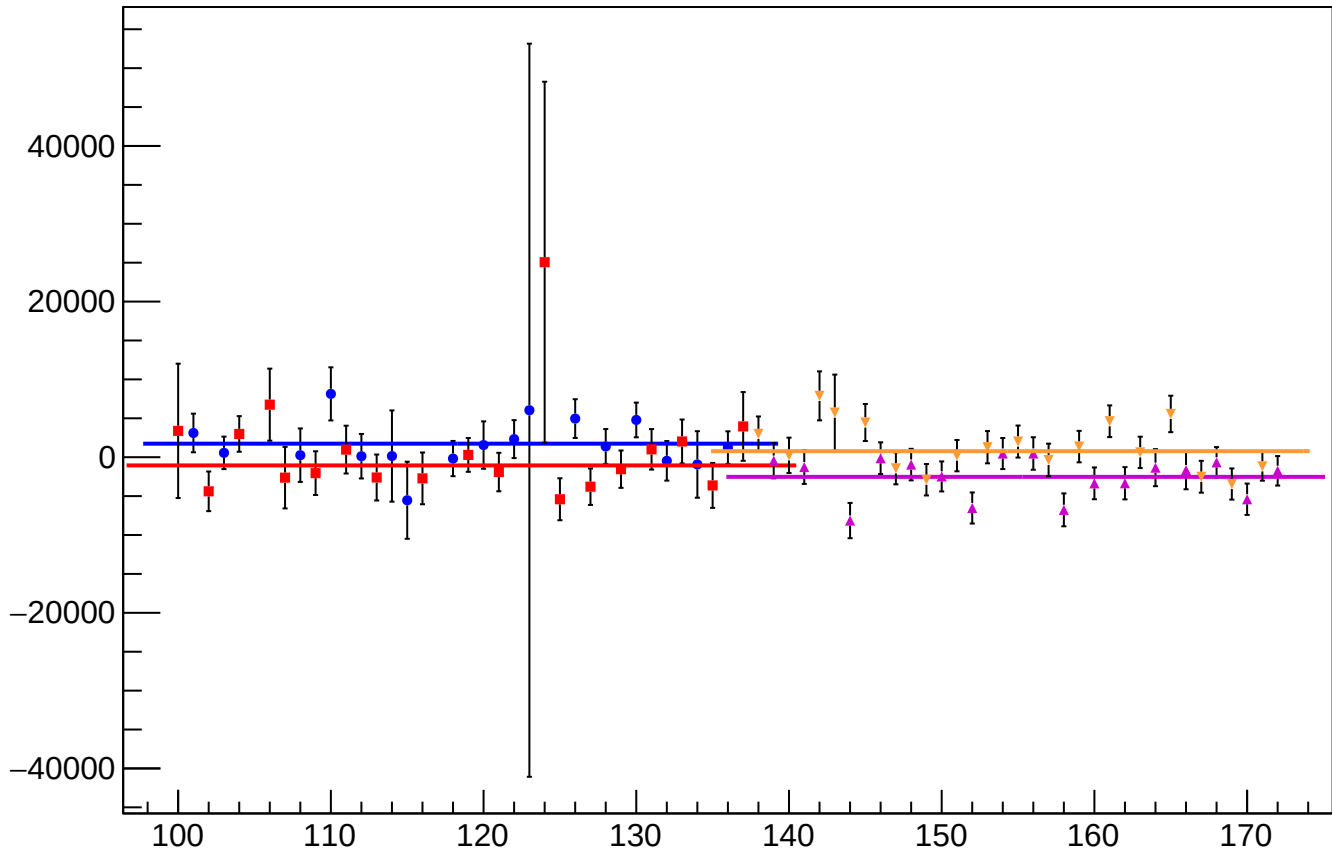
Left In: 9350.381+/-1.851 χ^2/NDF : 862129.1/16

+ sign 9045.270+/-1.458 χ^2/NDF : 1459064.7/34

All: 8930.419+/-1.020 χ^2/NDF : 3487590.4/70

- sign 8820.449+/-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: 774.644 ± 510.731 χ^2/NDF : 30.8/17

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

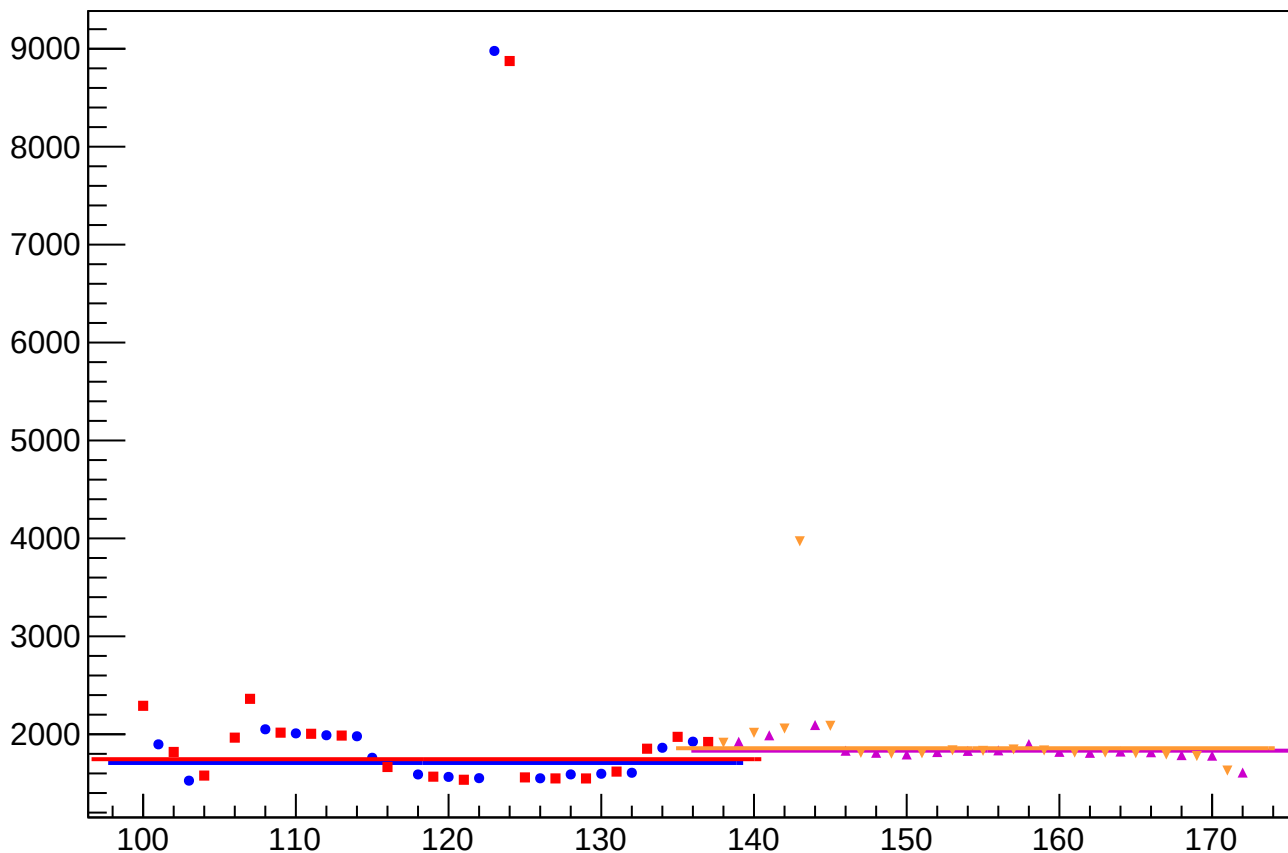
Left In: -2526.347 ± 505.748 χ^2/NDF : 25.5/16

+ sign 1129.035 ± 406.265 χ^2/NDF : 44.5/34

All: -441.453 ± 286.423 χ^2/NDF : 121.6/70

- 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: 1857.205+/-0.361 χ^2/NDF : 454856.0/17

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

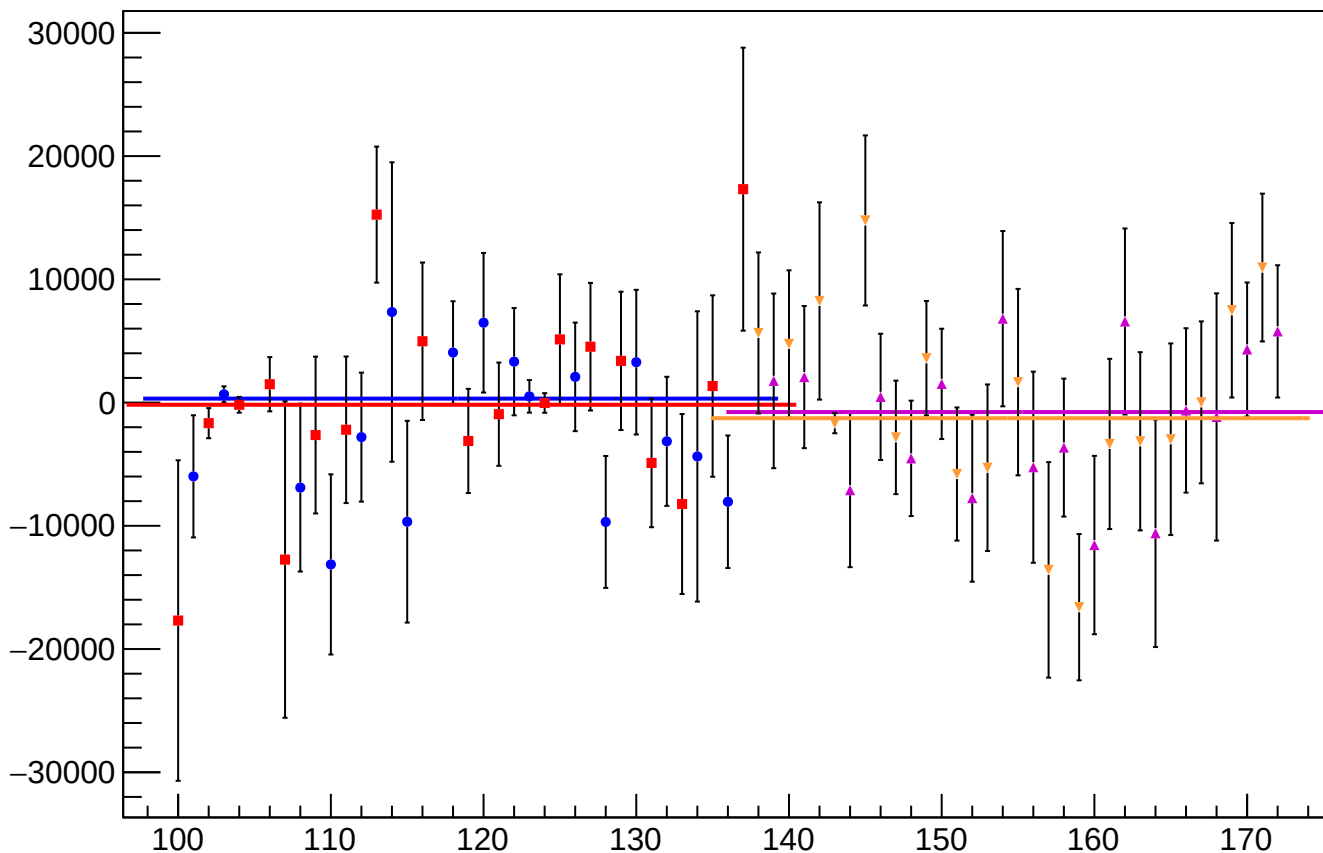
Left In: 1832.435+/-0.358 χ^2/NDF : 74175.5/16

+ sign 1801.994+/-0.287 χ^2/NDF : 716052.7/34

All: 1801.360+/-0.202 χ^2/NDF : 1211614.4/70

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

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1266.572 ± 719.664 χ^2/NDF : 26.2/17

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

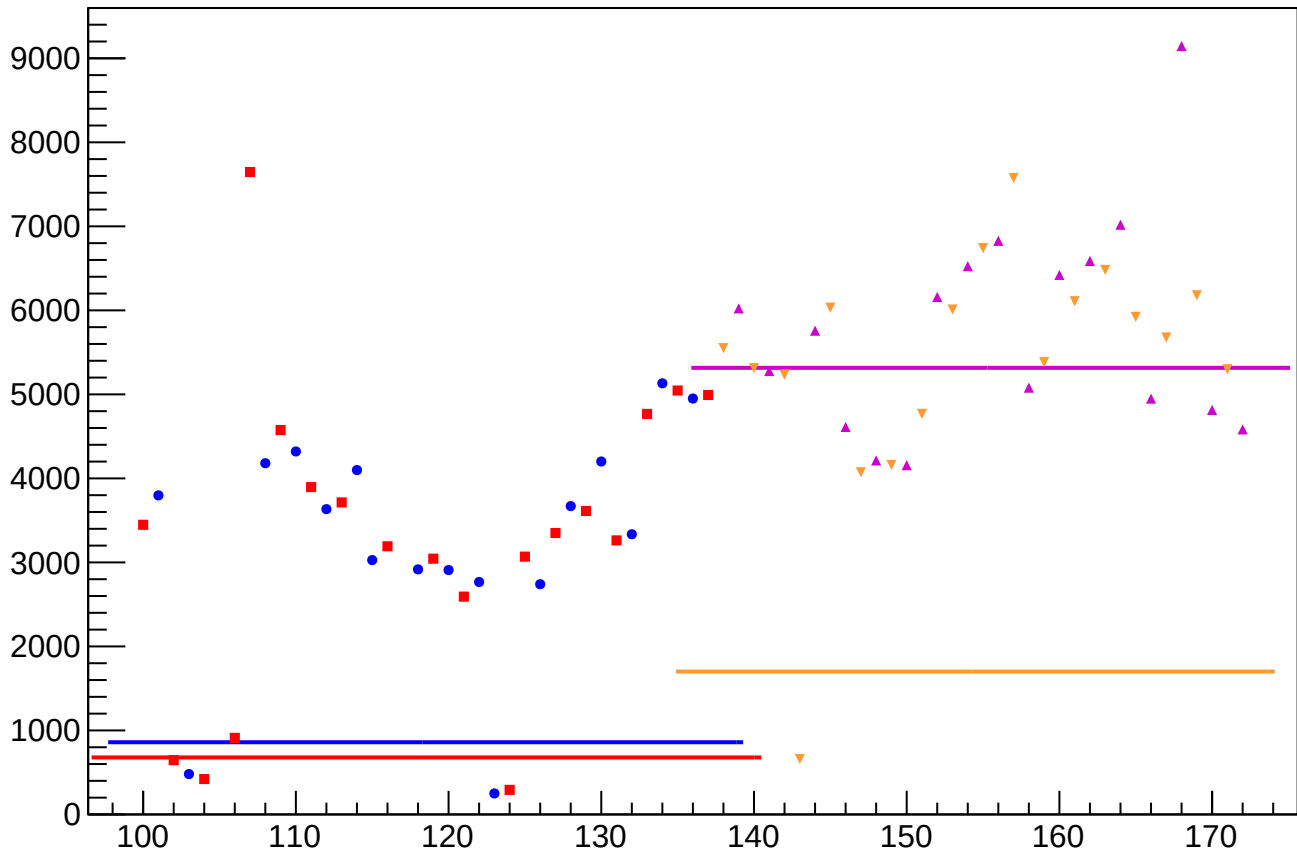
Left In: -768.611 ± 1492.988 χ^2/NDF : 11.8/16

+ sign -251.452 ± 432.124 χ^2/NDF : 47.3/34

All: -236.530 ± 299.826 χ^2/NDF : 80.1/70

- sign -222.677 ± 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: 1700.721 $\pm$ 0.509 χ^2 /NDF: 15505963.4/17

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

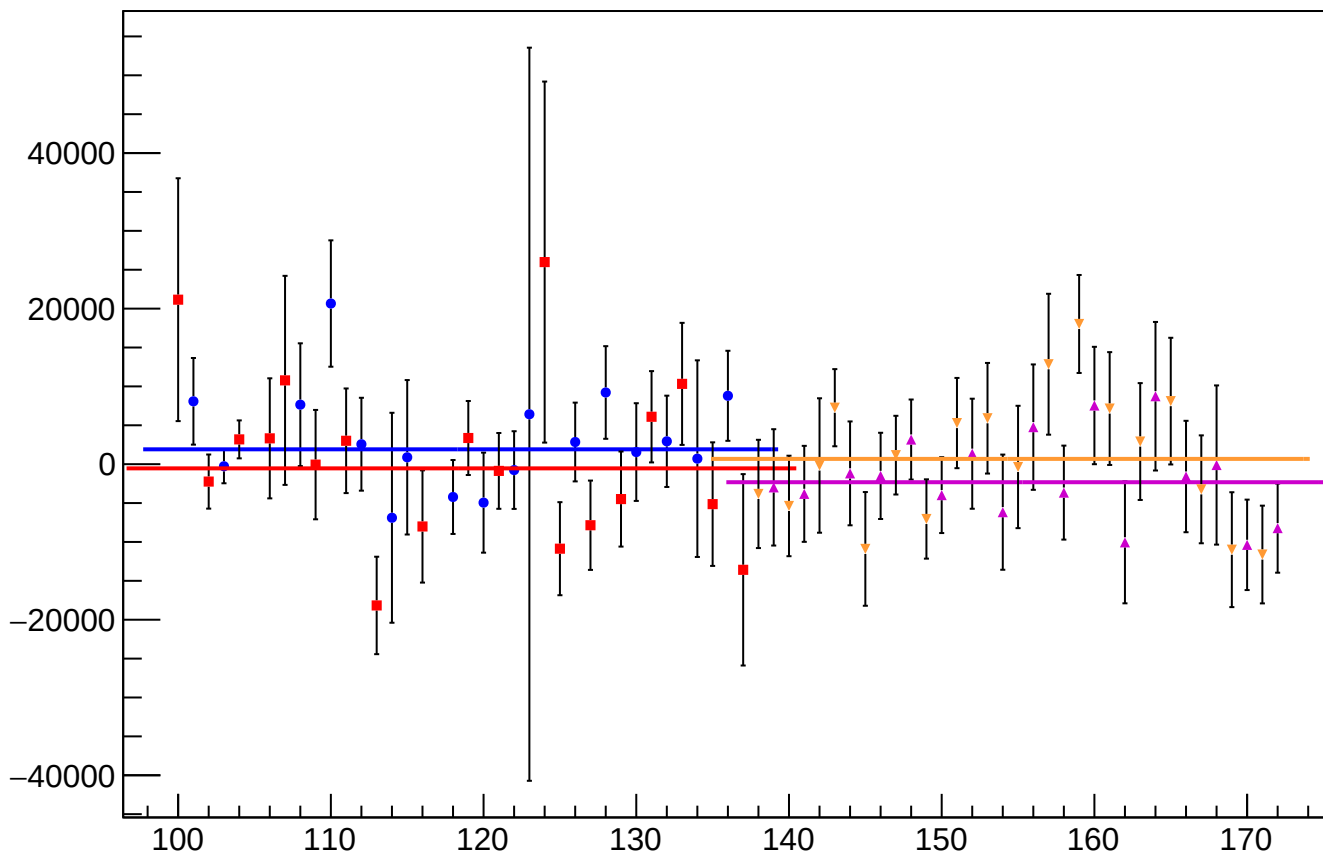
Left In: 5316.125 $\pm$ 1.056 χ^2 /NDF: 1004503.3/16

+ sign 1162.833 $\pm$ 0.306 χ^2 /NDF: 25396431.5/34

All: 1098.750 $\pm$ 0.212 χ^2 /NDF: 52666821.5/7

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

asym_atl_avg_mean vs Slug



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

Left Out: 678.895+/-1553.924 χ^2/NDF : 26.8/17

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

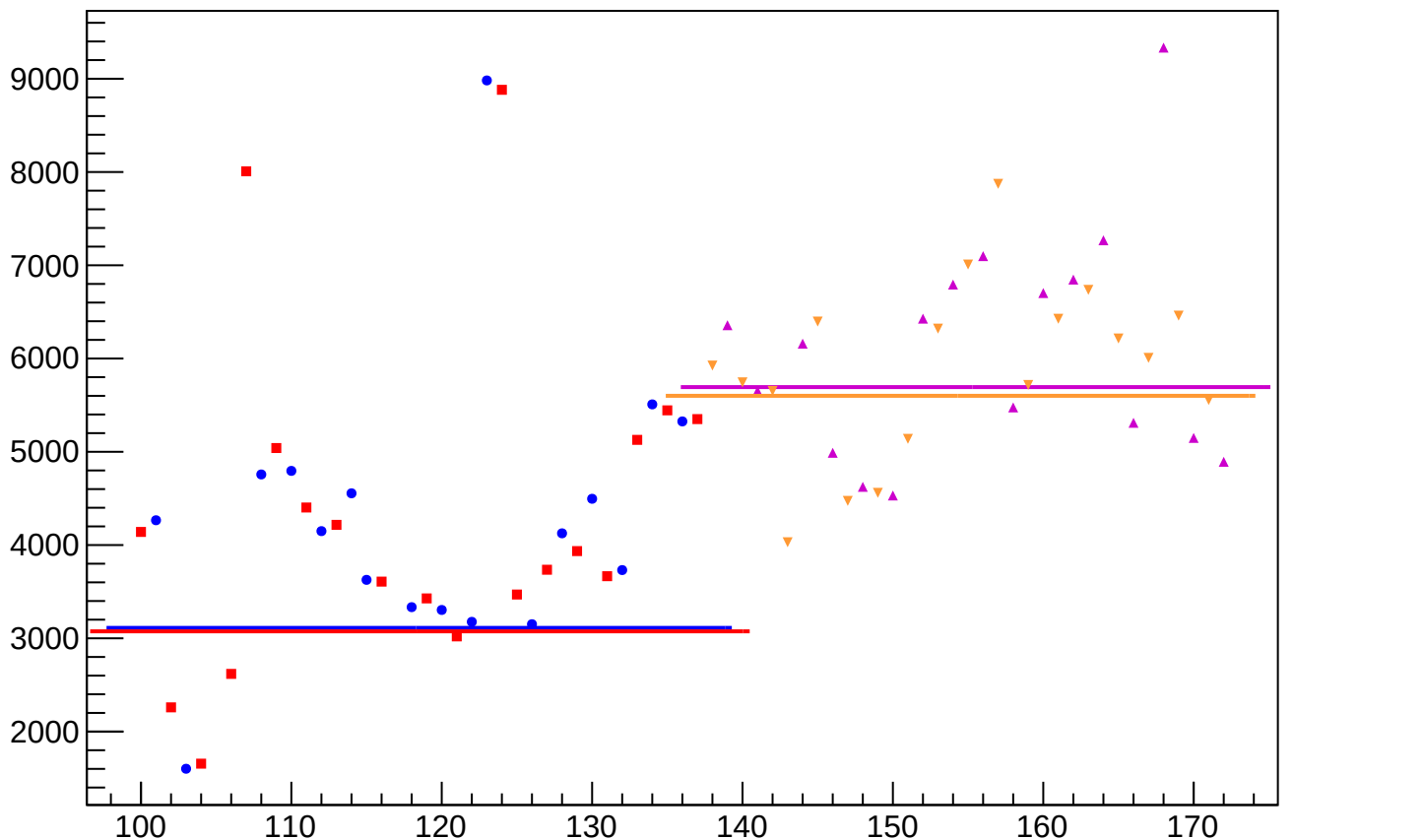
Left In: -2320.063+/-1593.714 χ^2/NDF : 9.8/16

+ sign 1398.066+/-1001.676 χ^2/NDF : 41.8/34

All: 76.990+/-707.955 χ^2/NDF : 82.2/70

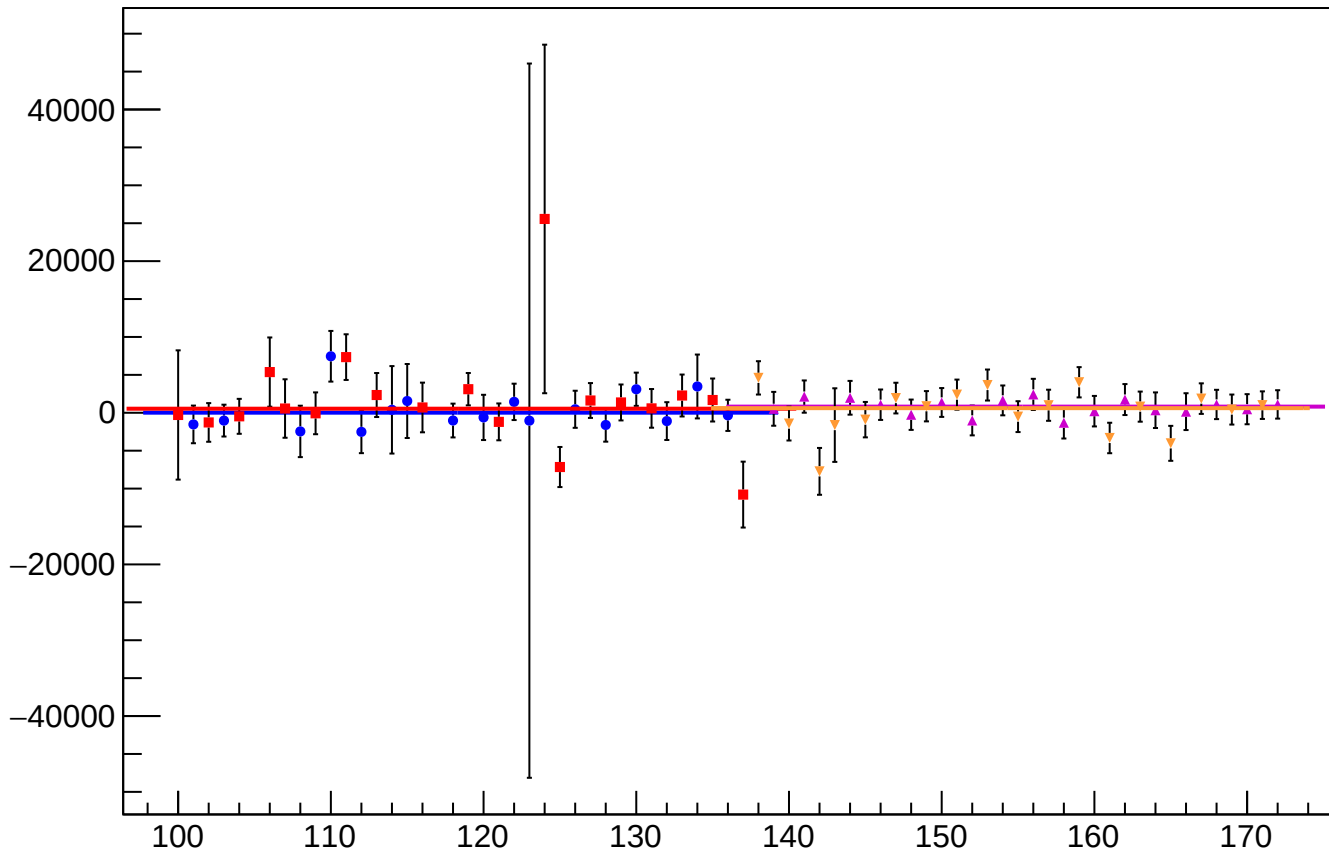
- sign -1241.575+/-1000.724 χ^2/NDF : 36.9/35

asym_atl_avg_rms vs Slug



Right In: 3111.825+/-0.926	χ^2/NDF : 1879558.6/16	+ sign 4145.864+/-0.708	χ^2/NDF : 5630529.9/34
Left Out: 5600.362+/-1.099	χ^2/NDF : 752998.7/17	All: 4117.254+/-0.498	χ^2/NDF : 11783489.0/7
Right Out: 3074.771+/-0.896	χ^2/NDF : 2005627.6/18	- sign 4089.201+/-0.701	χ^2/NDF : 6149727.6/35
Left In: 5693.712+/-1.127	χ^2/NDF : 835245.0/16		

reg_asym_atl_dd_mean vs Slug



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

Left Out: 610.086+/-503.238 χ^2/NDF : 27.1/17

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

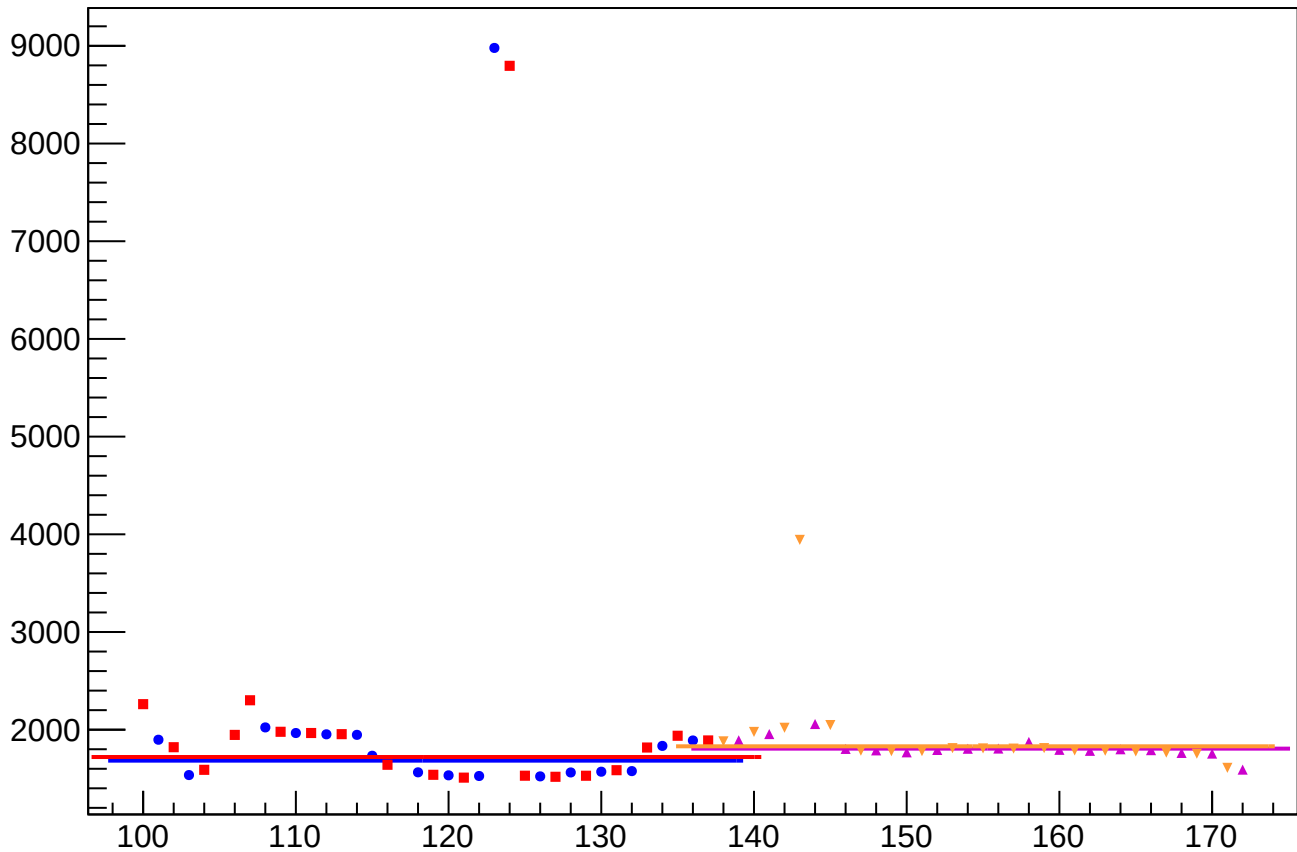
Left In: 812.277+/-498.471 χ^2/NDF : 4.2/16

+ sign 391.445+/-400.425 χ^2/NDF : 38.8/34

All: 553.032+/-282.289 χ^2/NDF : 70.1/70

- 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: 1829.954 ± 0.356 χ^2/NDF : 455257.2/17

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

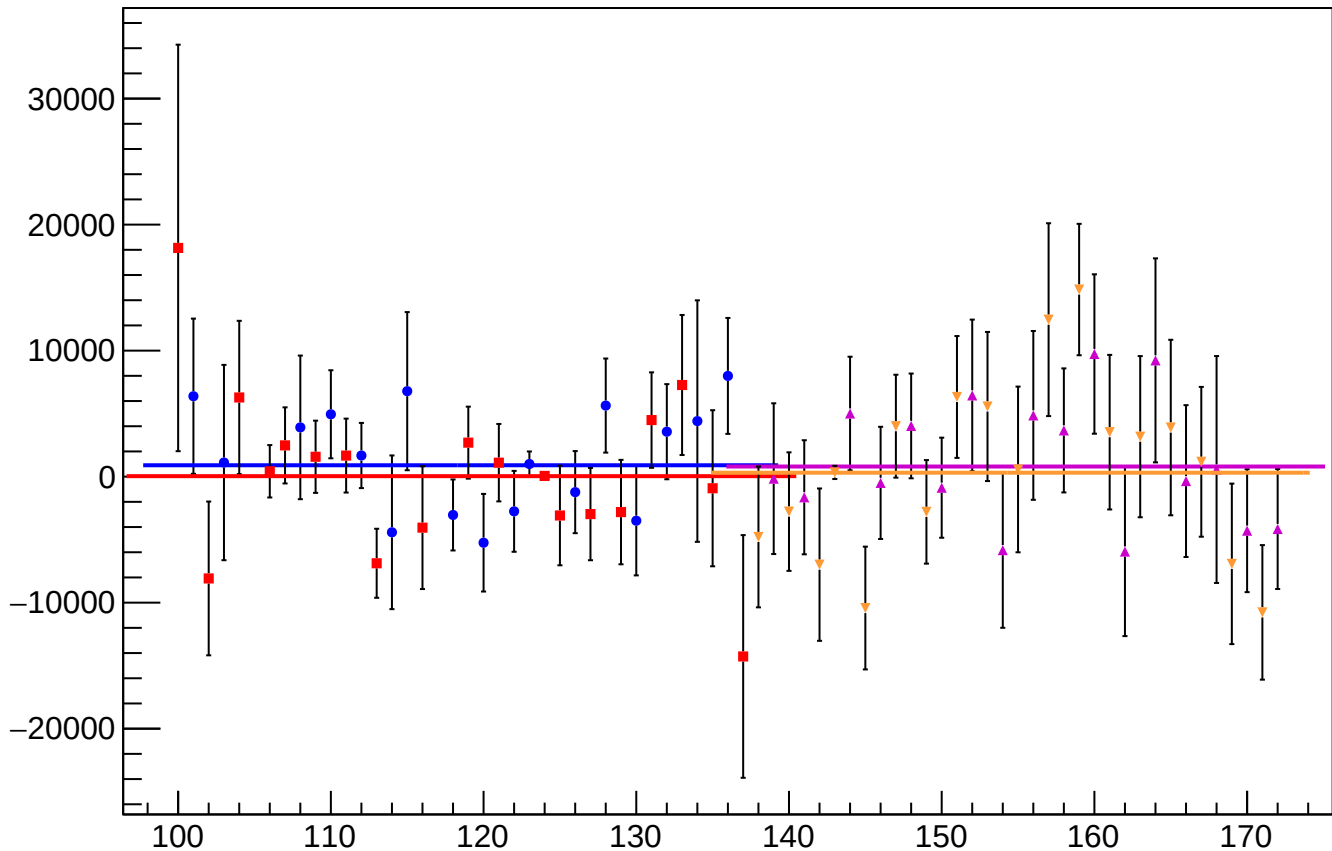
Left In: 1806.134 ± 0.352 χ^2/NDF : 70646.5/16

+ sign 1776.136 ± 0.283 χ^2/NDF : 713498.7/34

All: 1775.504 ± 0.199 χ^2/NDF : 1201826.6/70

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

asym_atl_dd_correction_mean vs Slug



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

Left Out: 312.096 $\pm$ 485.802 χ^2 /NDF: 28.0/17

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

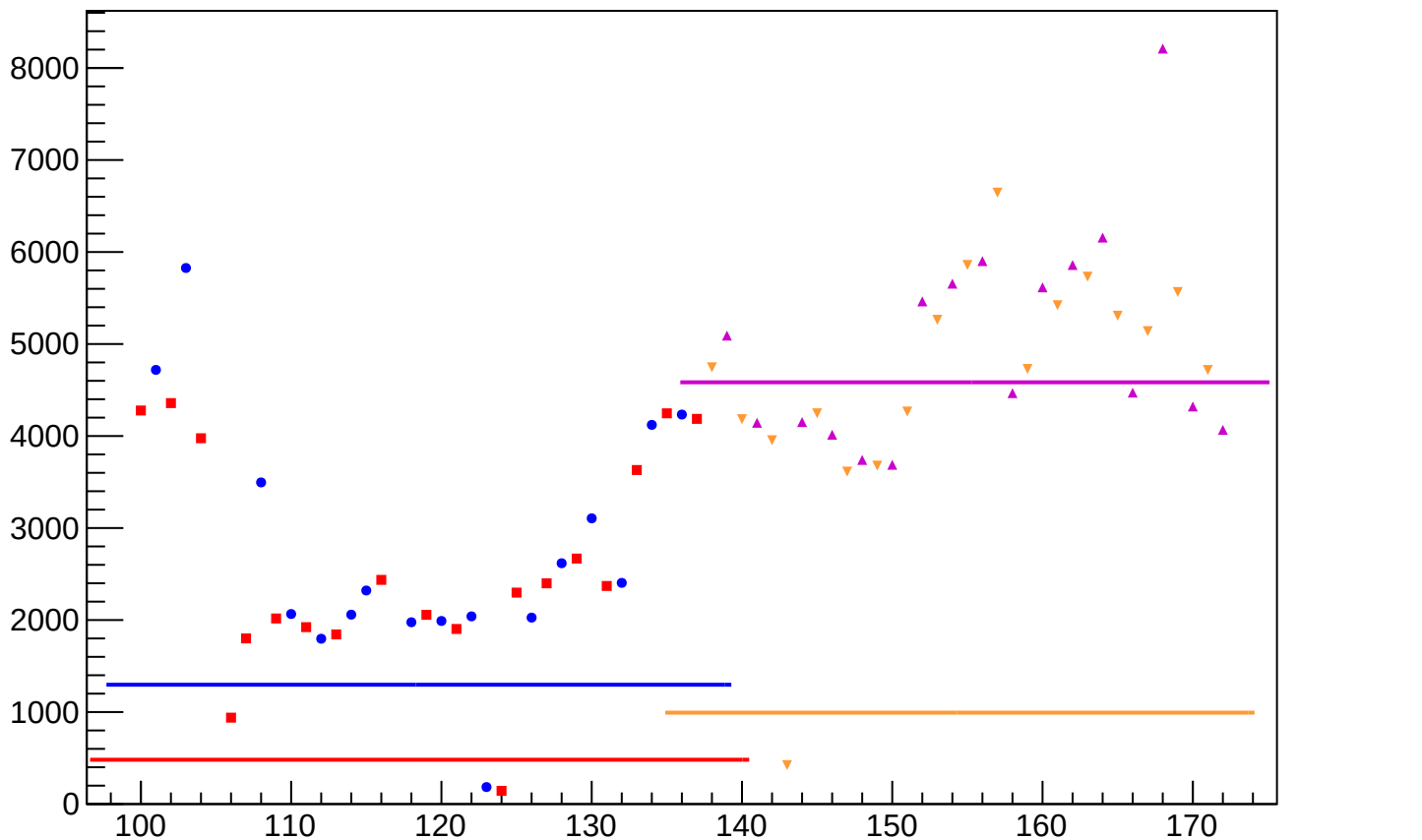
Left In: 802.947 $\pm$ 1286.984 χ^2 /NDF: 11.1/16

+ sign 502.246 $\pm$ 400.129 χ^2 /NDF: 44.4/34

All: 266.933 $\pm$ 260.925 χ^2 /NDF: 77.0/70

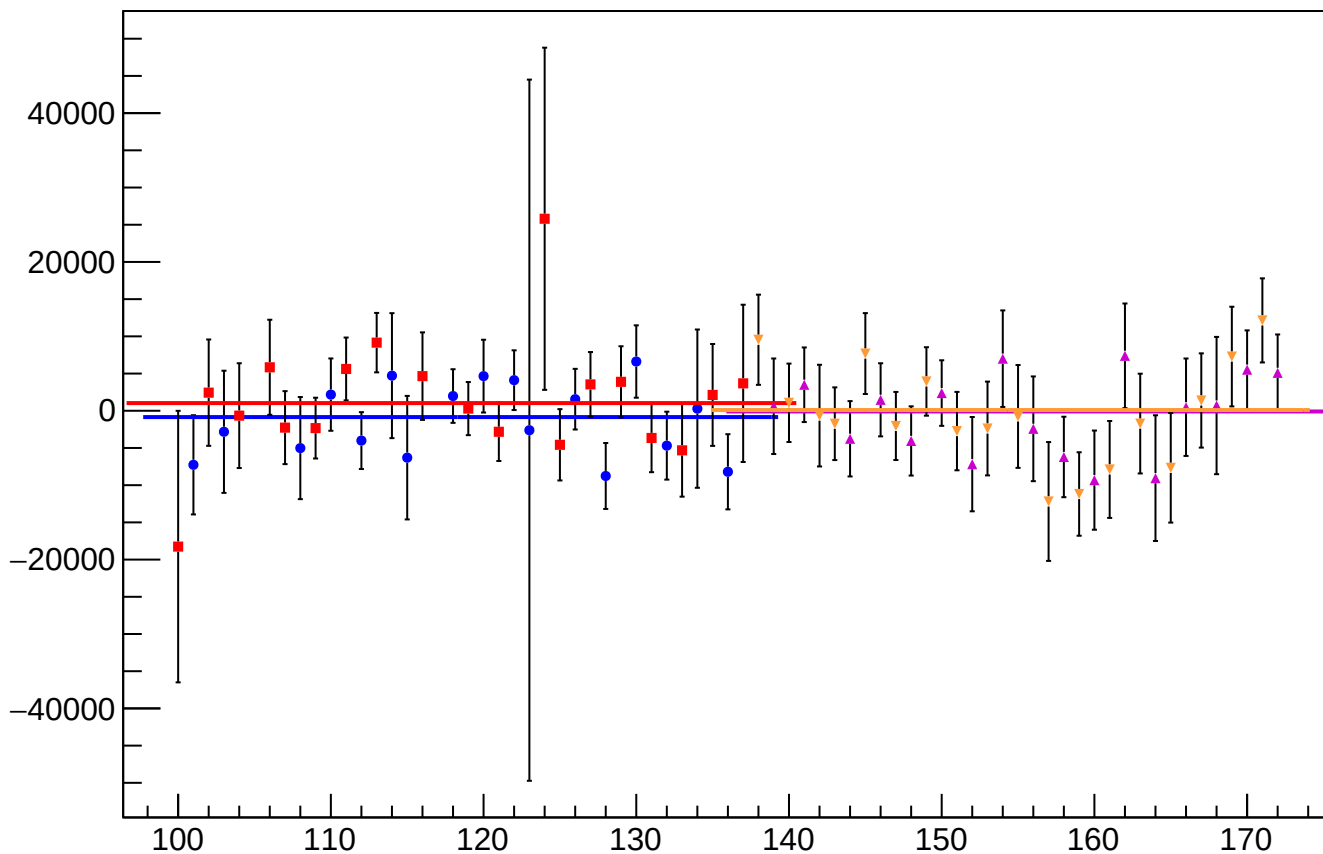
- sign 92.837 $\pm$ 344.168 χ^2 /NDF: 31.9/35

asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499	χ^2/NDF : 6509608.5/16	+ sign 1091.202+/-0.283	χ^2/NDF : 25070184.0/34
Left Out: 993.637+/-0.344	χ^2/NDF : 18309747.5/17	All: 909.436+/-0.185	χ^2/NDF : 55806786.7/70
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: 96.515 ± 1376.276 χ^2/NDF : 20.8/17

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

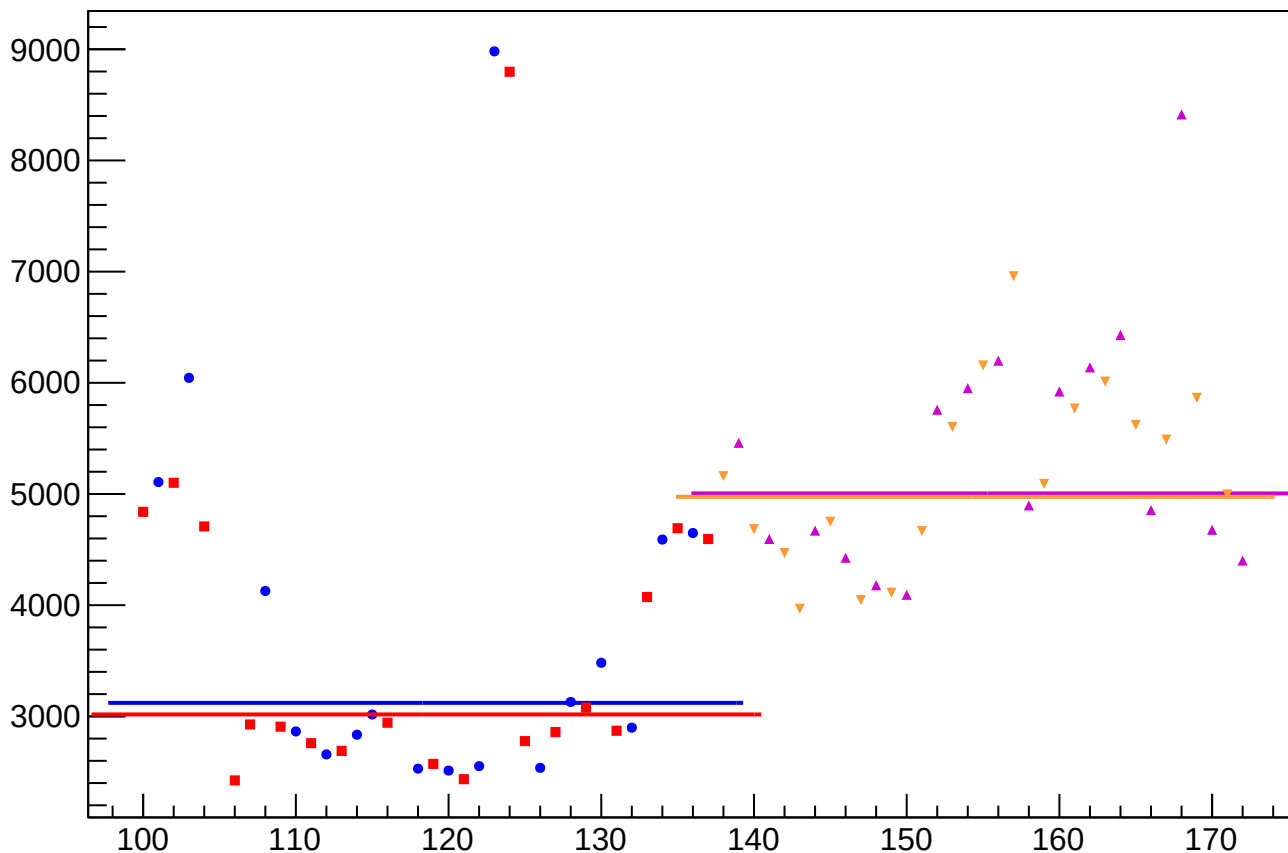
Left In: -95.971 ± 1399.490 χ^2/NDF : 12.4/16

+ sign -417.685 ± 929.759 χ^2/NDF : 36.5/34

All: 82.842 ± 649.200 χ^2/NDF : 64.8/70

- 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: 4974.722+/-0.973 χ^2 /NDF: 610952.1/17

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

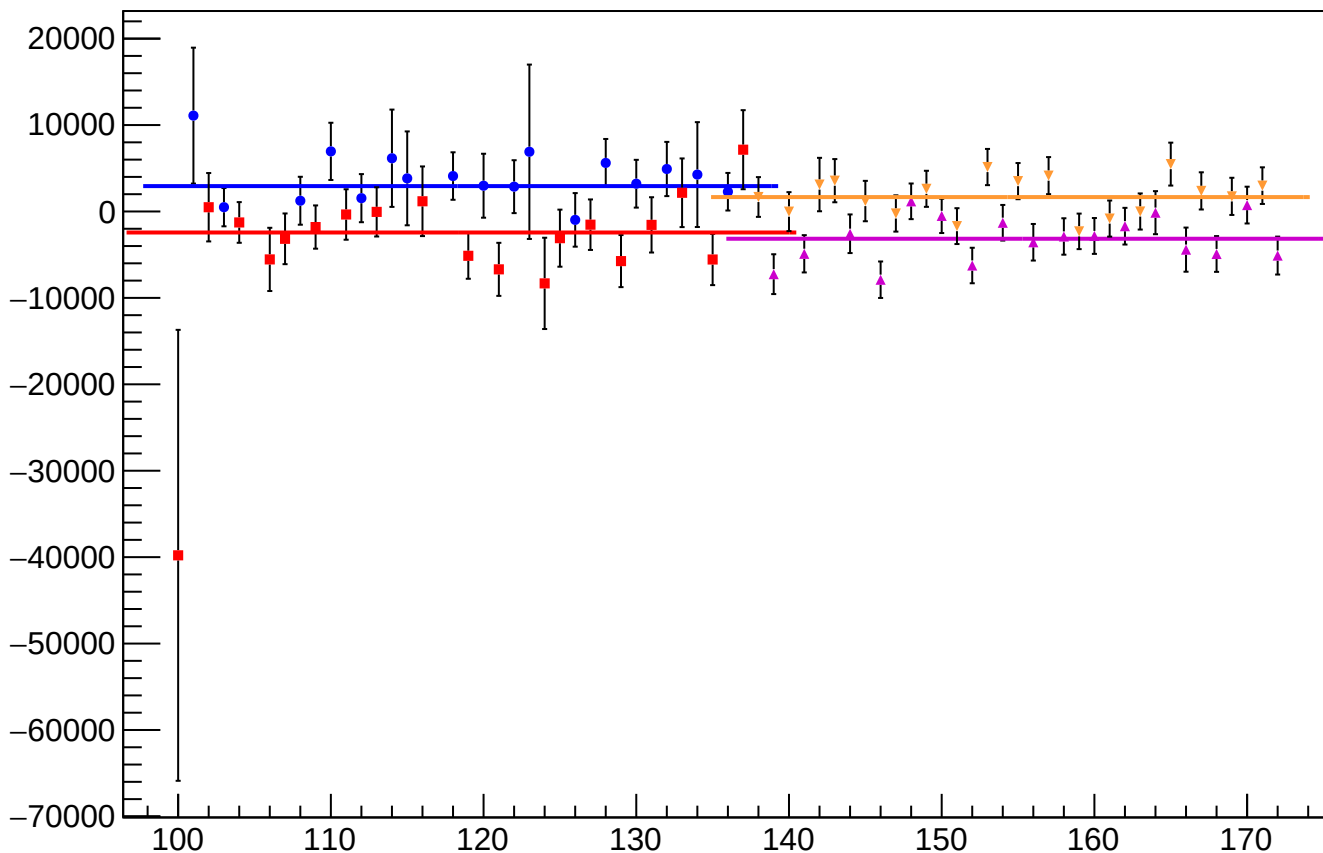
Left In: 5005.089+/-0.990 χ^2 /NDF: 793800.1/16

+ sign 3967.230+/-0.657 χ^2 /NDF: 3528209.1/34

All: 3901.492+/-0.457 χ^2 /NDF: 7498712.2/70

- 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: 1665.190 ± 519.376 χ^2/NDF : 18.6/17

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

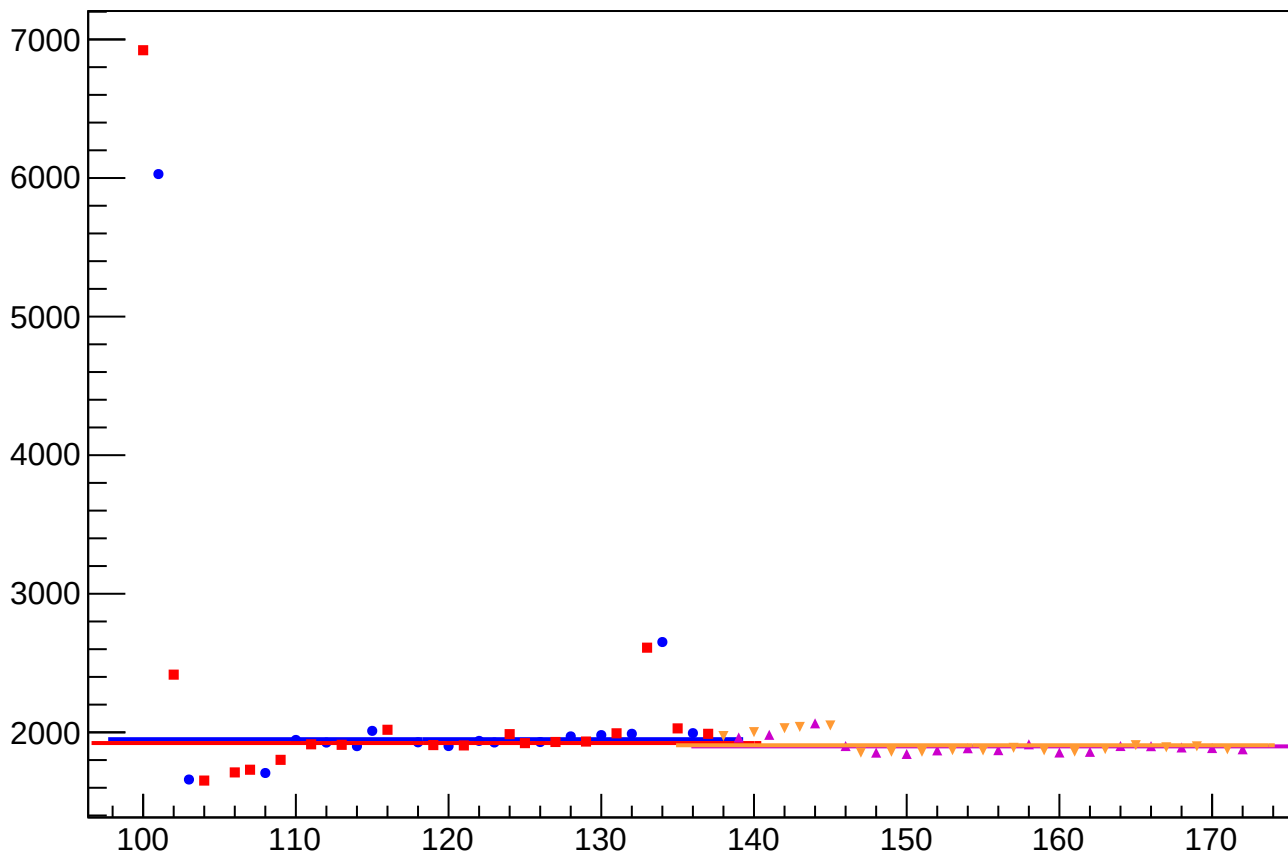
Left In: -3156.077 ± 522.025 χ^2/NDF : 25.3/16

+ sign 2058.736 ± 431.512 χ^2/NDF : 28.6/34

All: -456.791 ± 303.390 χ^2/NDF : 139.9/70

- 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: 1906.731+/-0.367 χ^2/NDF : 28566.7/17

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

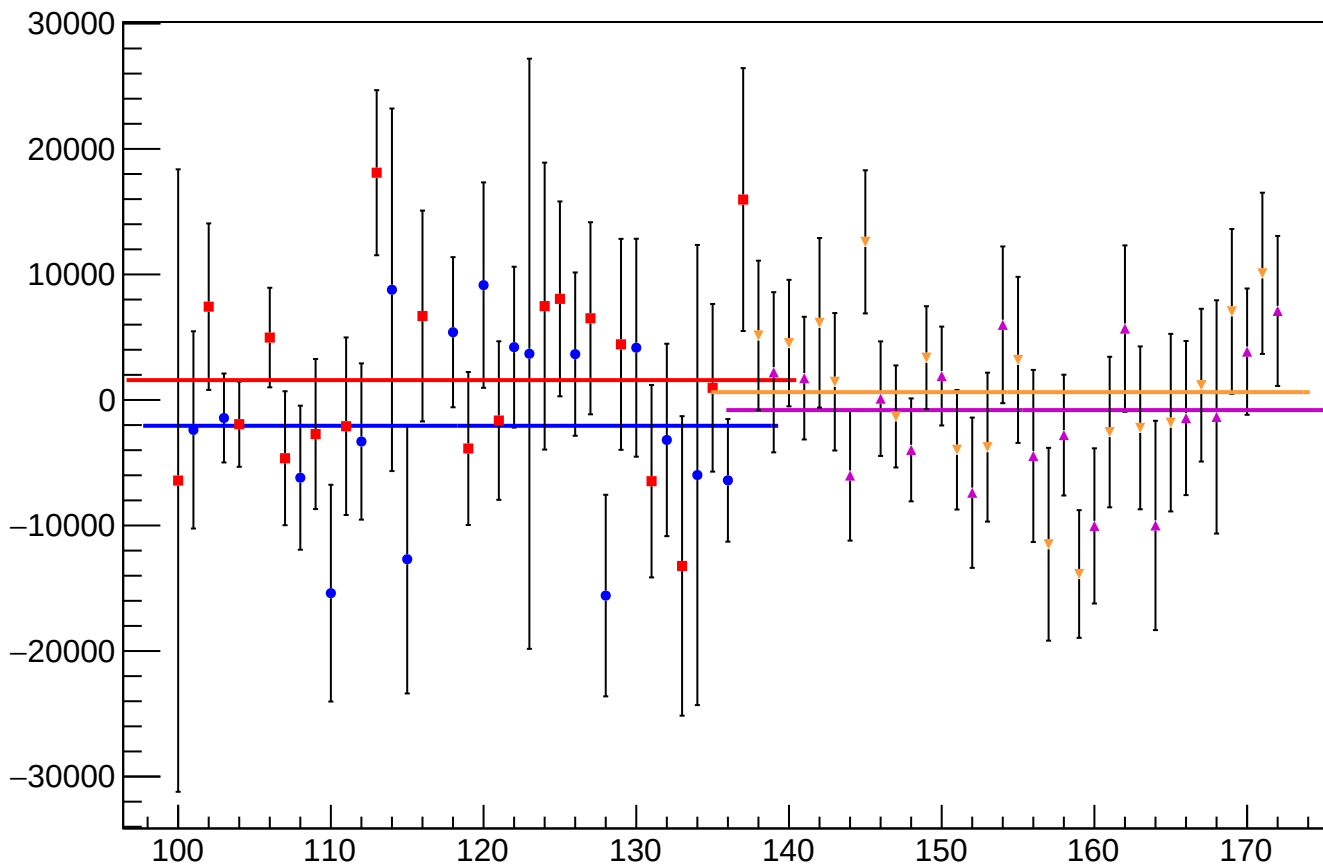
Left In: 1898.683+/-0.369 χ^2/NDF : 20863.4/16

+ sign 1920.323+/-0.305 χ^2/NDF : 650321.2/34

All: 1913.429+/-0.214 χ^2/NDF : 891009.4/70

- sign 1906.700+/-0.301 χ^2/NDF : 239679.4/35

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876 ± 1661.079 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 623.197 ± 1323.816 $\chi^2/\text{NDF}: 22.9/17$

Right Out: 1580.717 ± 1477.405 $\chi^2/\text{NDF}: 18.6/18$

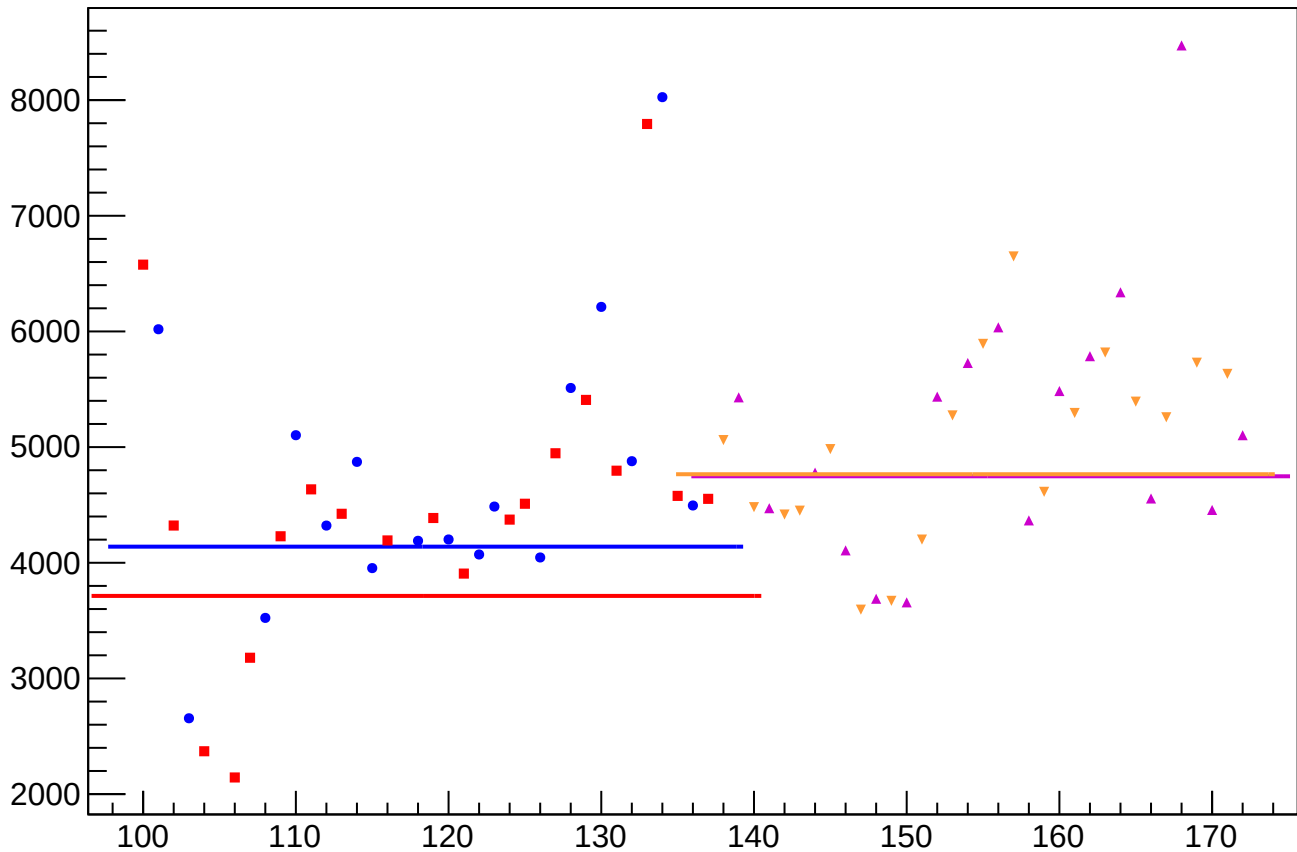
Left In: -806.376 ± 1333.252 $\chi^2/\text{NDF}: 12.5/16$

+ sign -417.836 ± 1035.259 $\chi^2/\text{NDF}: 38.5/34$

All: -61.065 ± 715.426 $\chi^2/\text{NDF}: 71.2/70$

- sign 265.062 ± 989.802 $\chi^2/\text{NDF}: 32.5/35$

asym_atr_avg_correction_rms vs Slug



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4765.514+/-0.936 χ^2/NDF : 734264.0/17

Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

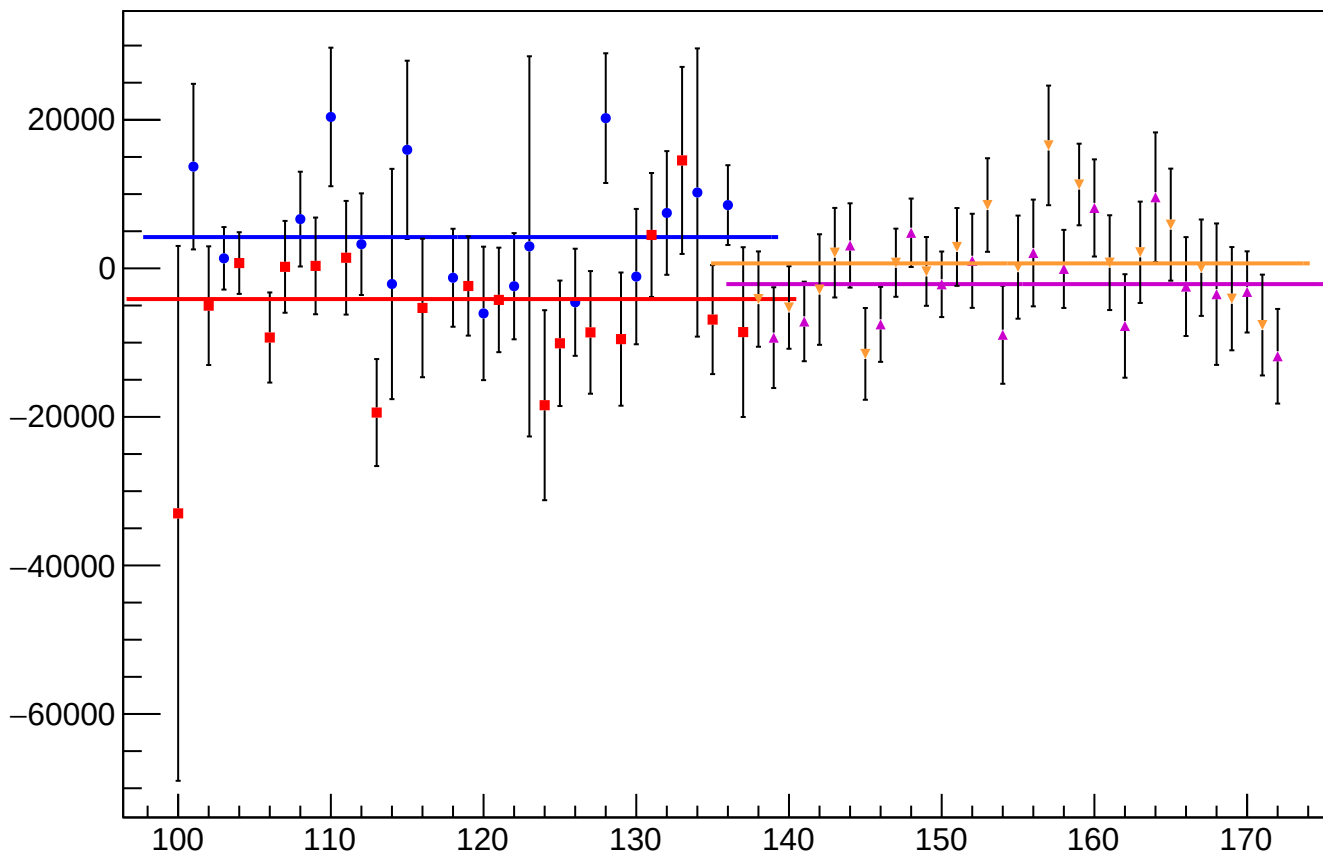
Left In: 4747.701+/-0.943 χ^2/NDF : 1001592.7/16

+ sign 4522.307+/-0.732 χ^2/NDF : 1721597.9/34

All: 4397.554+/-0.506 χ^2/NDF : 4594732.2/70

- sign 4283.515+/-0.700 χ^2/NDF : 2817543.4/35

asym_atr_avg_mean vs Slug



Right In: 4211.844 $\pm$ 1871.304 χ^2/NDF : 14.4/16

Left Out: 671.460 $\pm$ 1438.594 χ^2/NDF : 17.8/17

Right Out: -4133.660 $\pm$ 1725.341 χ^2/NDF : 14.8/18

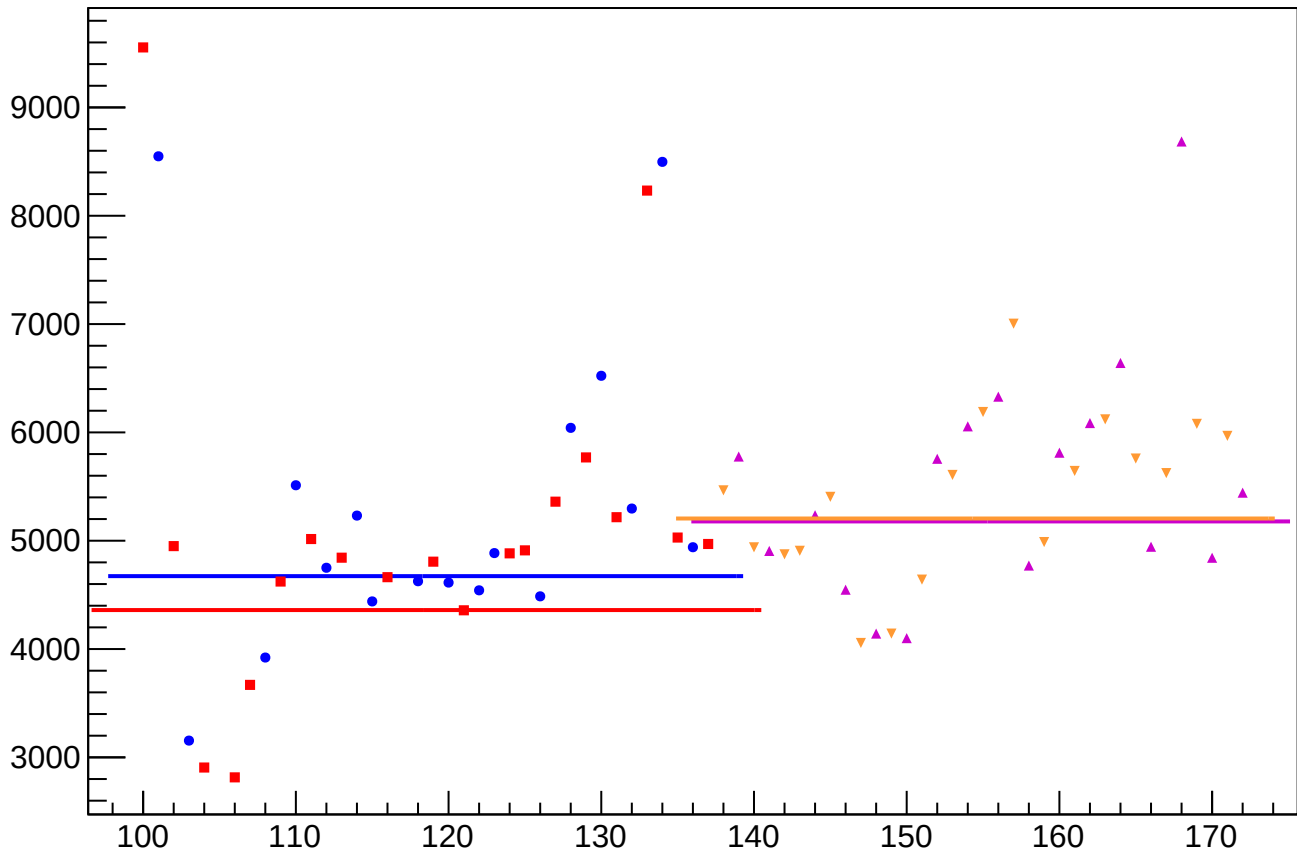
Left In: -2120.955 $\pm$ 1447.045 χ^2/NDF : 15.4/16

+ sign 1986.588 $\pm$ 1140.520 χ^2/NDF : 34.5/34

All: -552.566 $\pm$ 794.988 χ^2/NDF : 75.0/70

- sign -2952.092 $\pm$ 1108.718 χ^2/NDF : 30.9/35

asym_atr_avg_rms vs Slug



Right In: 4673.046+/-1.323 χ^2/NDF : 777321.1/16

Left Out: 5205.081+/-1.017 χ^2/NDF : 545181.3/17

Right Out: 4359.833+/-1.213 χ^2/NDF : 832191.0/18

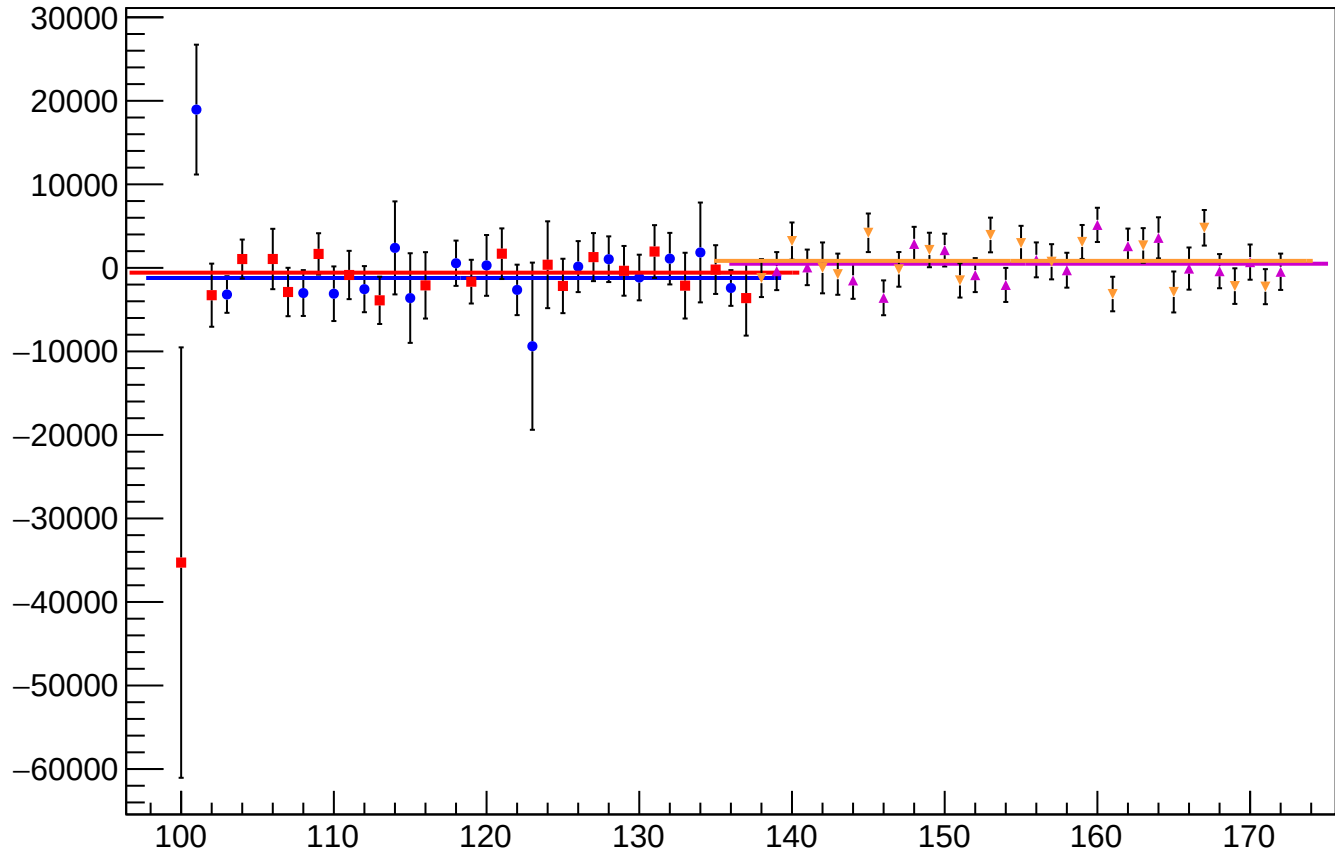
Left In: 5178.091+/-1.023 χ^2/NDF : 781575.9/16

+ sign 5007.449+/-0.806 χ^2/NDF : 1424116.1/34

All: 4920.072+/-0.561 χ^2/NDF : 3326541.5/70

- sign 4837.895+/-0.782 χ^2/NDF : 1879646.9/35

reg_asym_atr_dd_mean vs Slug



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

Left Out: 837.941+/-513.429 χ^2/NDF : 25.5/17

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

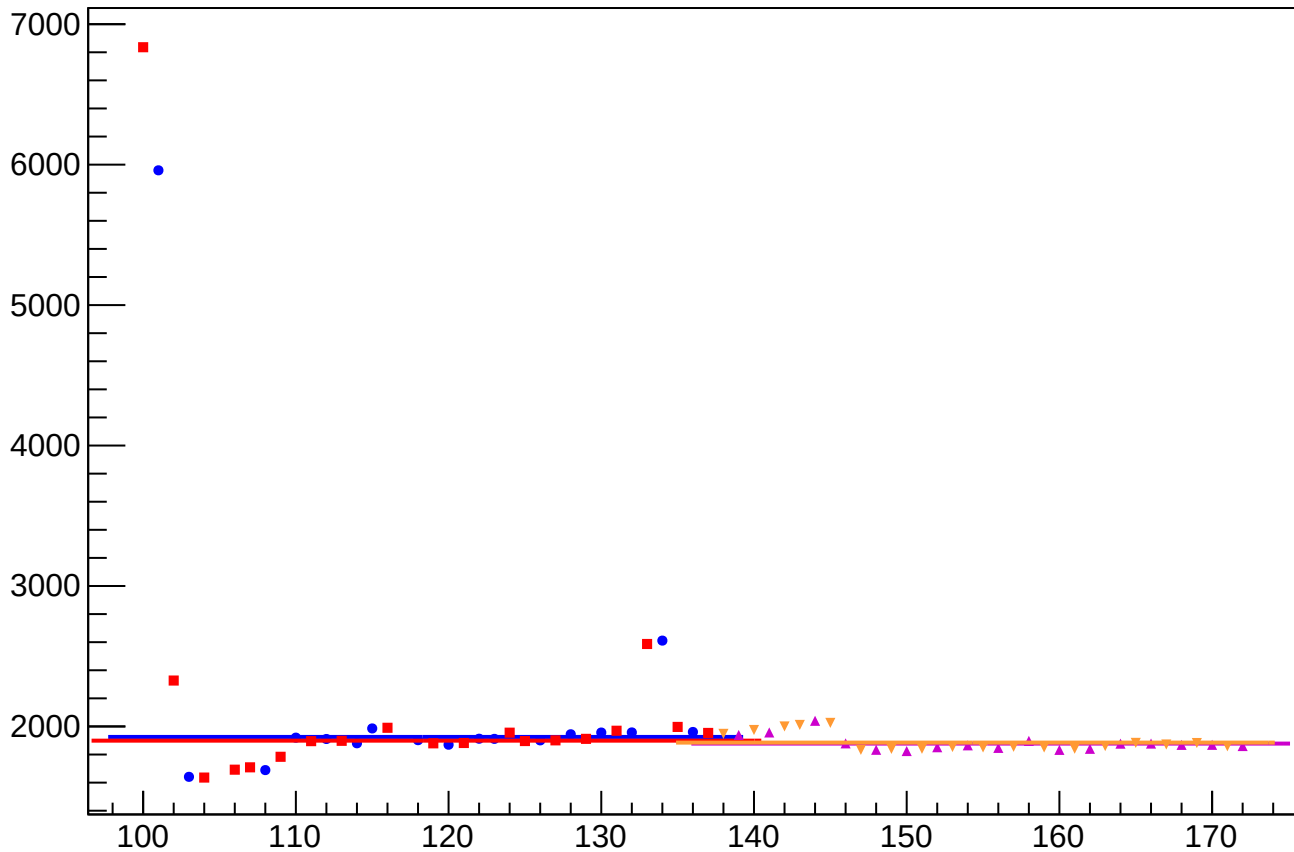
Left In: 496.581+/-516.316 χ^2/NDF : 17.3/16

+ sign 201.915+/-426.366 χ^2/NDF : 43.1/34

All: 170.725+/-299.810 χ^2/NDF : 70.5/70

- sign 140.218+/-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: 1884.984 ± 0.363 χ^2/NDF : 26929.2/17

Right Out: 1898.854 ± 0.515 χ^2/NDF : 210875.1/18

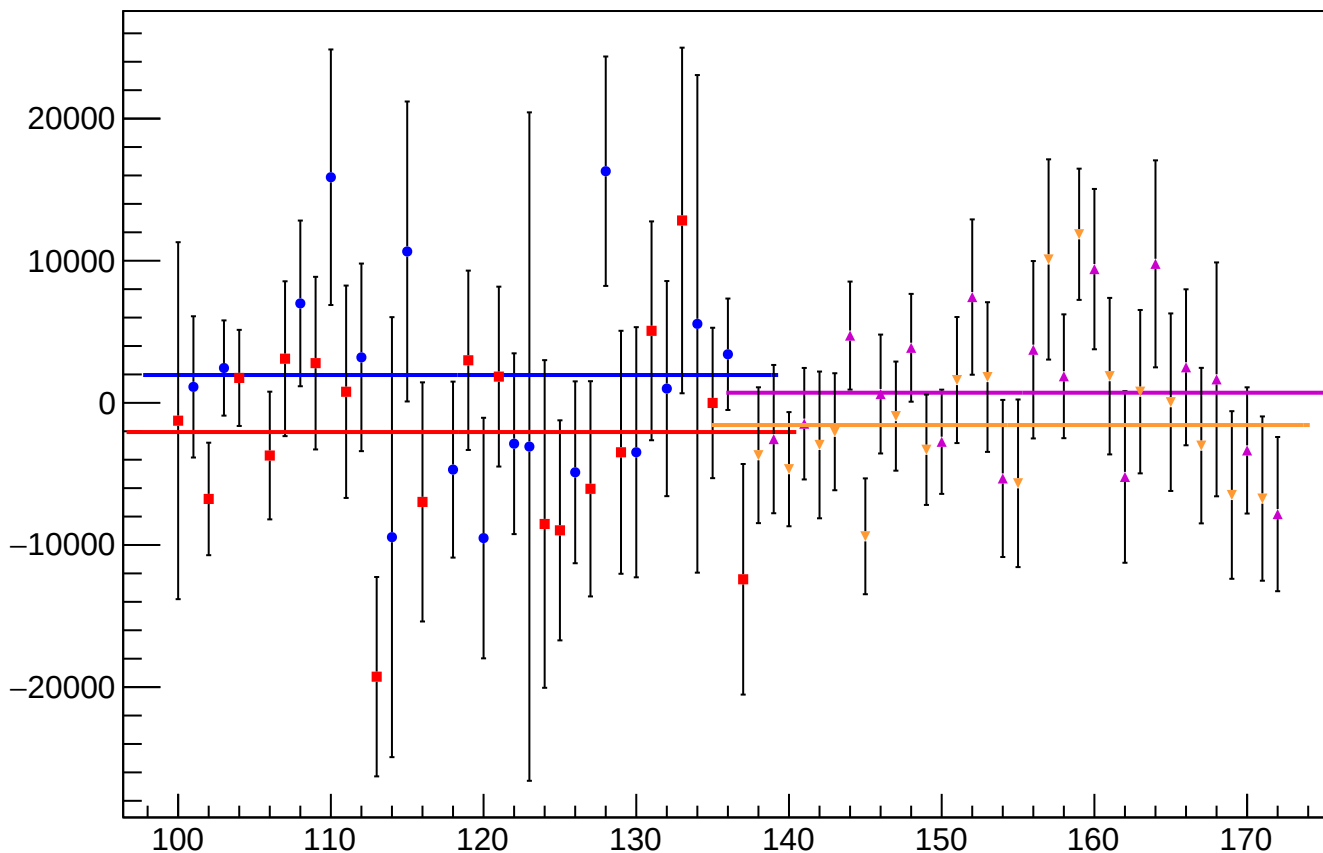
Left In: 1877.945 ± 0.365 χ^2/NDF : 20222.7/16

+ sign 1897.504 ± 0.301 χ^2/NDF : 646624.3/34

All: 1891.143 ± 0.212 χ^2/NDF : 879697.8/70

- sign 1884.930 ± 0.298 χ^2/NDF : 232193.4/35

asym_atr_dd_correction_mean vs Slug



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

Left Out: -1560.002 ± 1146.737 χ^2/NDF : 19.6/17

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

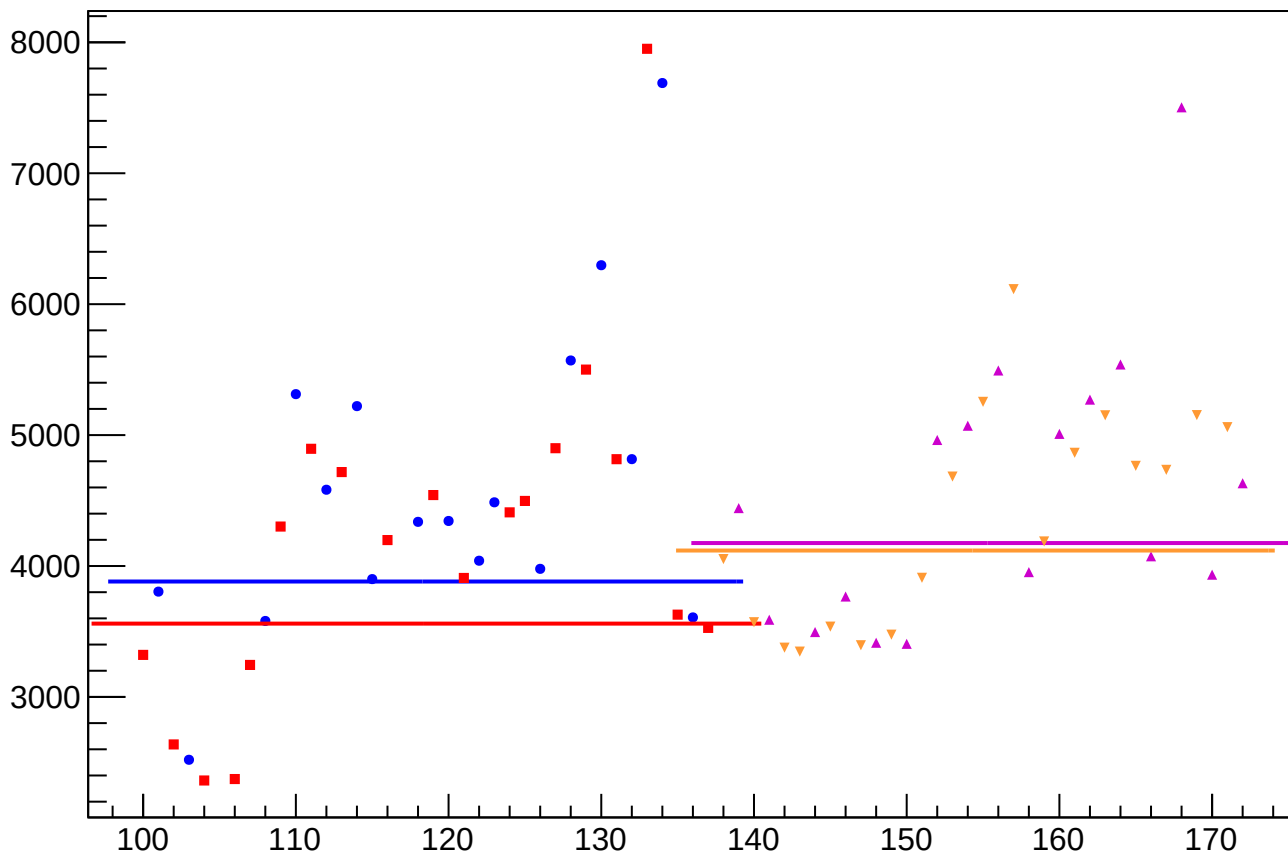
Left In: 713.610 ± 1172.816 χ^2/NDF : 14.7/16

+ sign -322.268 ± 923.303 χ^2/NDF : 35.8/34

All: -369.299 ± 645.437 χ^2/NDF : 70.3/70

- sign -414.246 ± 902.619 χ^2/NDF : 34.4/35

asym_atr_dd_correction_rms vs Slug



Right In: 3881.577+/-1.101 χ^2/NDF : 817466.6/16

Left Out: 4118.274+/-0.811 χ^2/NDF : 841268.2/17

Right Out: 3560.054+/-1.000 χ^2/NDF : 1241523.0/18

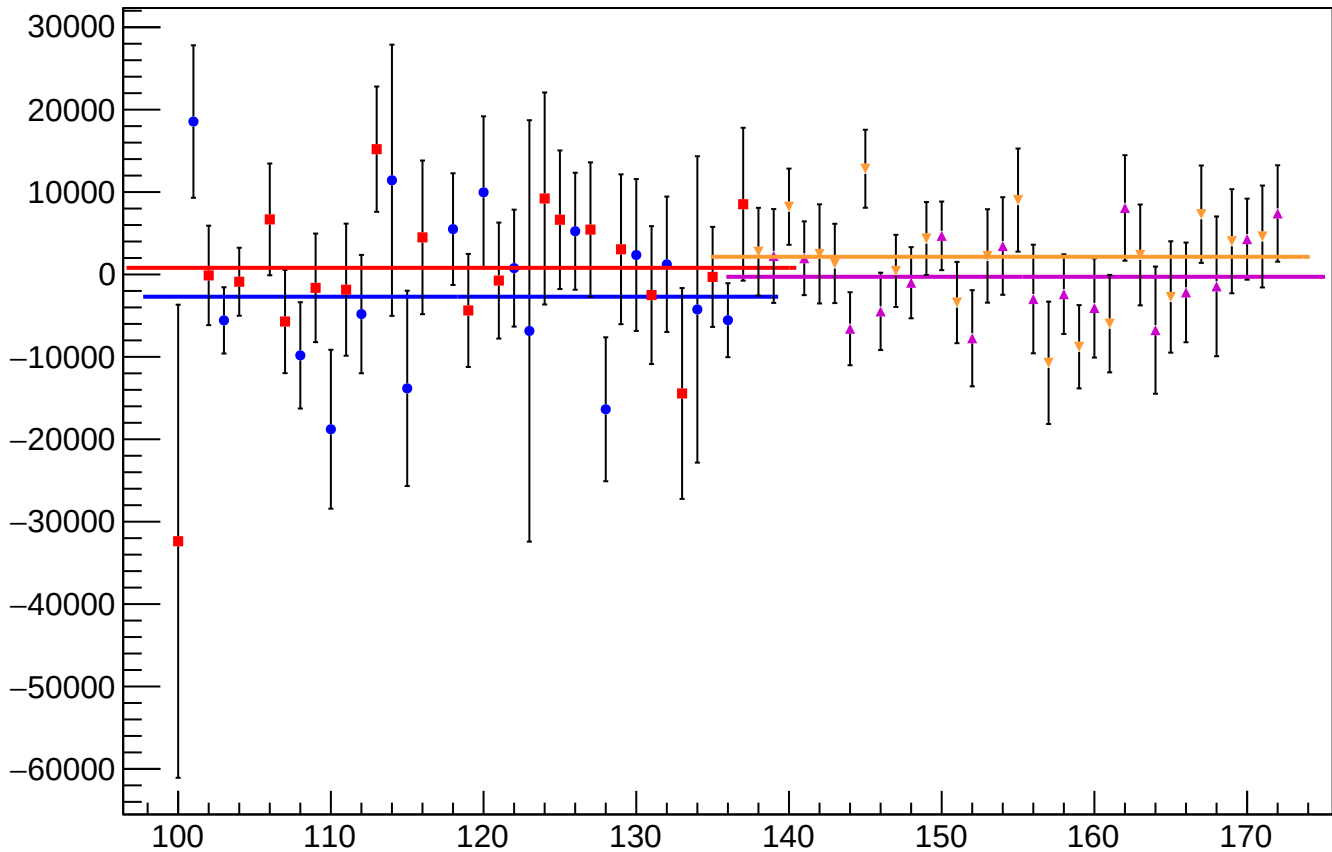
Left In: 4175.442+/-0.829 χ^2/NDF : 1017824.1/16

+ sign 4035.022+/-0.653 χ^2/NDF : 1688704.8/34

All: 3978.537+/-0.456 χ^2/NDF : 4187182.3/70

- sign 3924.554+/-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: 2142.443 ± 1277.420 χ^2/NDF : 20.8/17

Right Out: 805.951 ± 1690.353 χ^2/NDF : 11.6/18

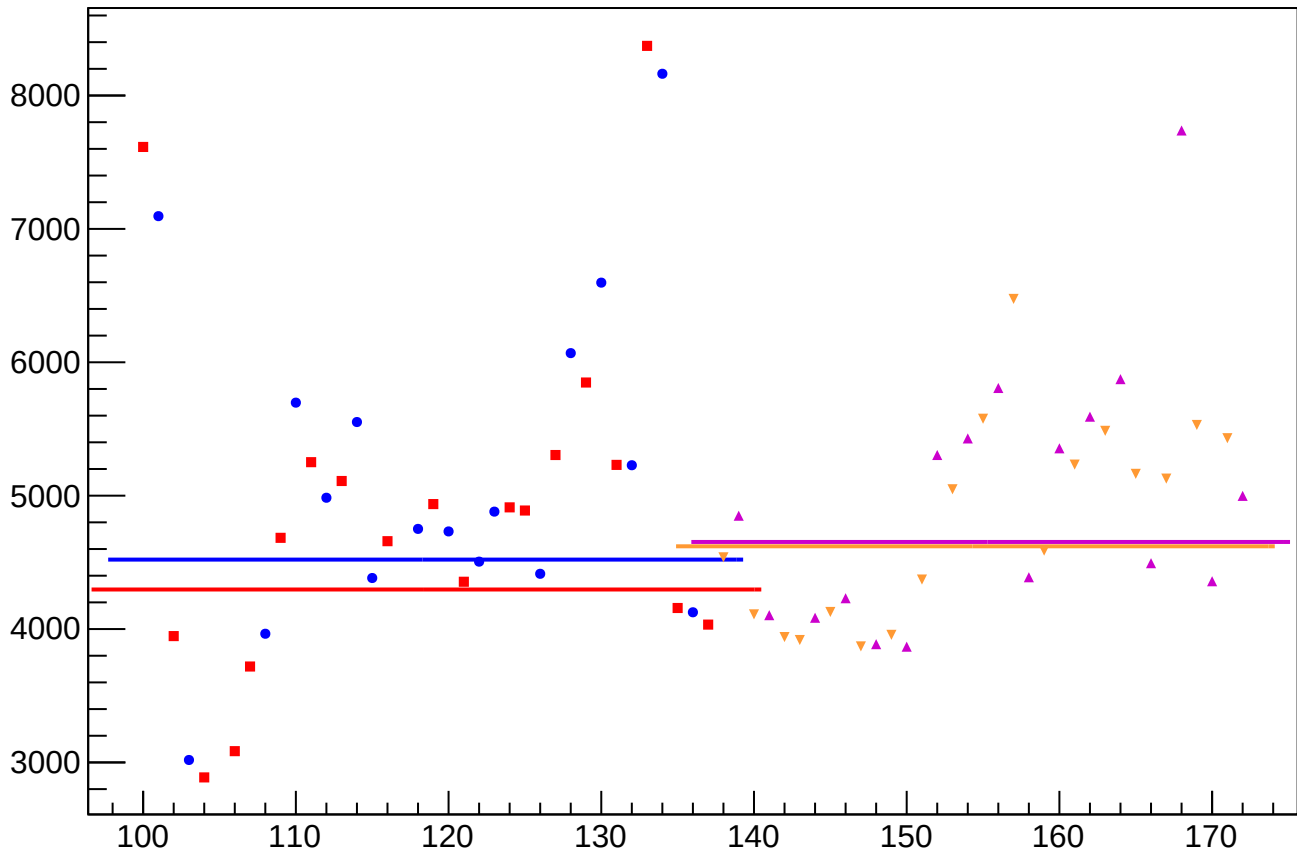
Left In: -284.338 ± 1299.032 χ^2/NDF : 12.6/16

+ sign 531.050 ± 1043.491 χ^2/NDF : 45.4/34

All: 323.100 ± 733.047 χ^2/NDF : 69.9/70

- 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: 4620.379 $\pm$ 0.903 χ^2 /NDF: 571557.7/17

Right Out: 4296.527 $\pm$ 1.189 χ^2 /NDF: 771785.2/18

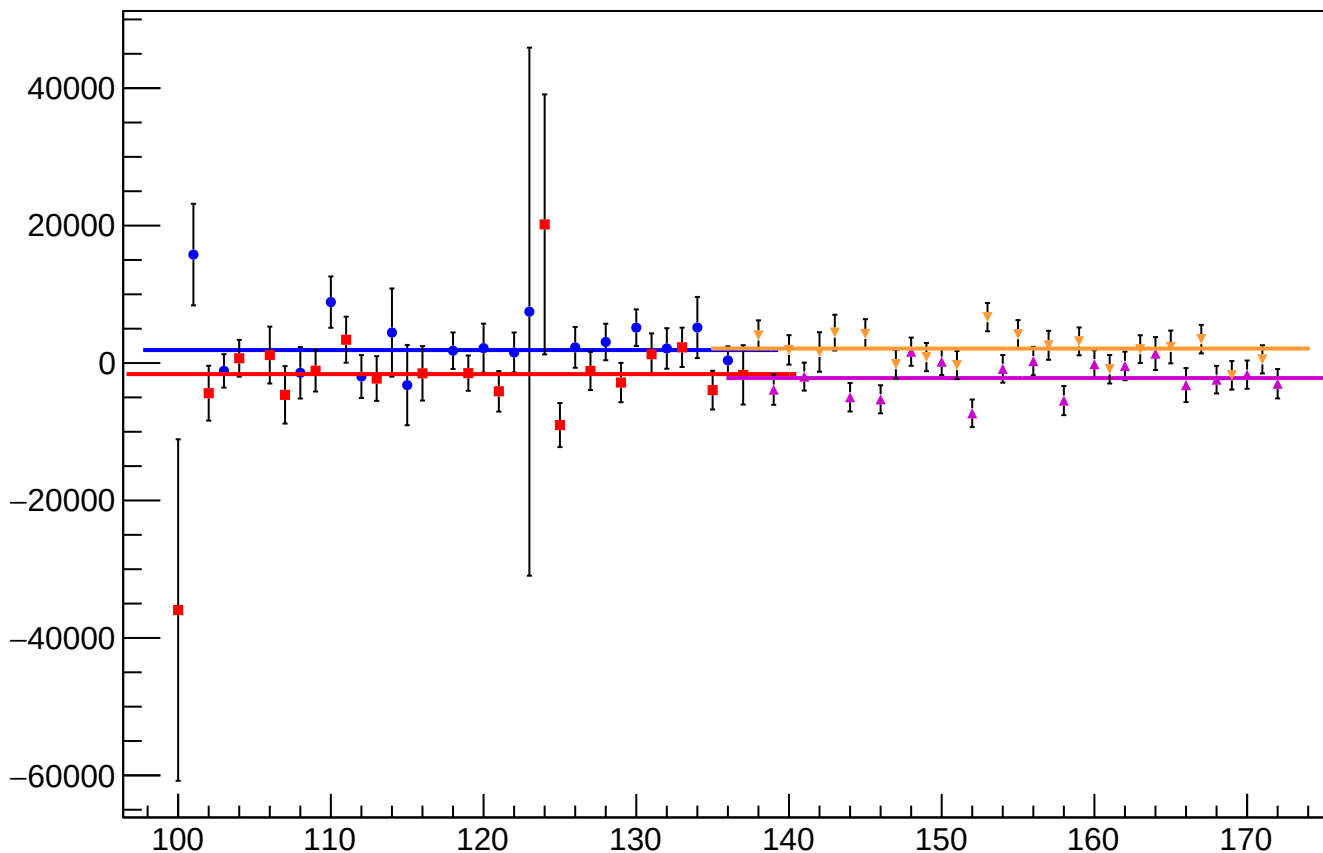
Left In: 4652.966 $\pm$ 0.919 χ^2 /NDF: 742588.8/16

+ sign 4587.209 $\pm$ 0.738 χ^2 /NDF: 1346498.2/34

All: 4552.942 $\pm$ 0.518 χ^2 /NDF: 2921423.1/70

- sign 4519.693 $\pm$ 0.727 χ^2 /NDF: 1570675.4/35

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 2106.969 $\pm$ 505.440 χ^2 /NDF:18.5/17

Right Out: -1610.310 $\pm$ 765.843 χ^2 /NDF: 17.5/18

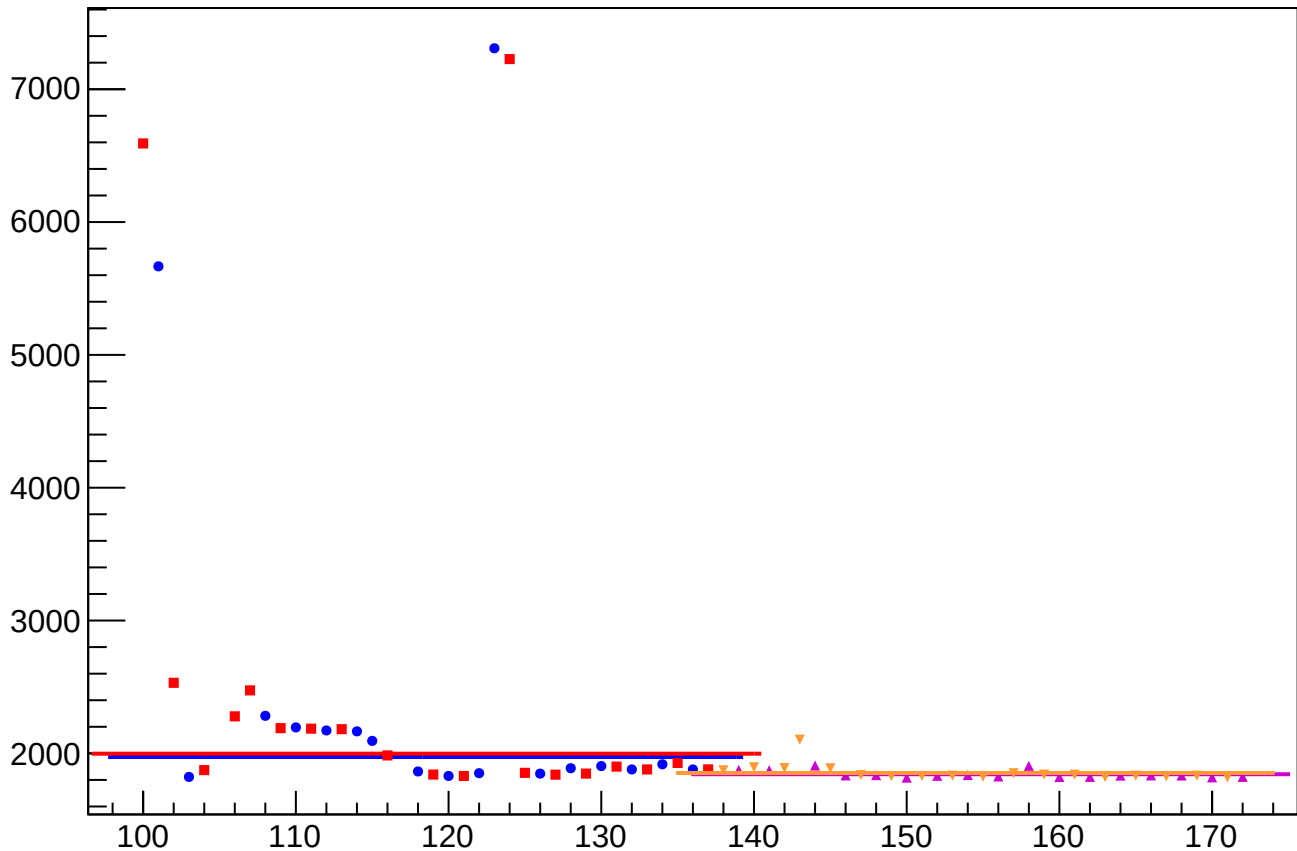
Left In: -2190.741 $\pm$ 507.696 χ^2 /NDF:24.7/16

+ sign 2042.634 $\pm$ 424.783 χ^2 /NDF: 33.2/34

All: 6.778 $\pm$ 299.791 χ^2 /NDF: 121.6/70

- sign -2013.536 $\pm$ 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: 1852.299 $\pm$ 0.357 χ^2 /NDF: 23471.7/17

Right Out: 1997.647 $\pm$ 0.542 χ^2 /NDF: 355572.5/18

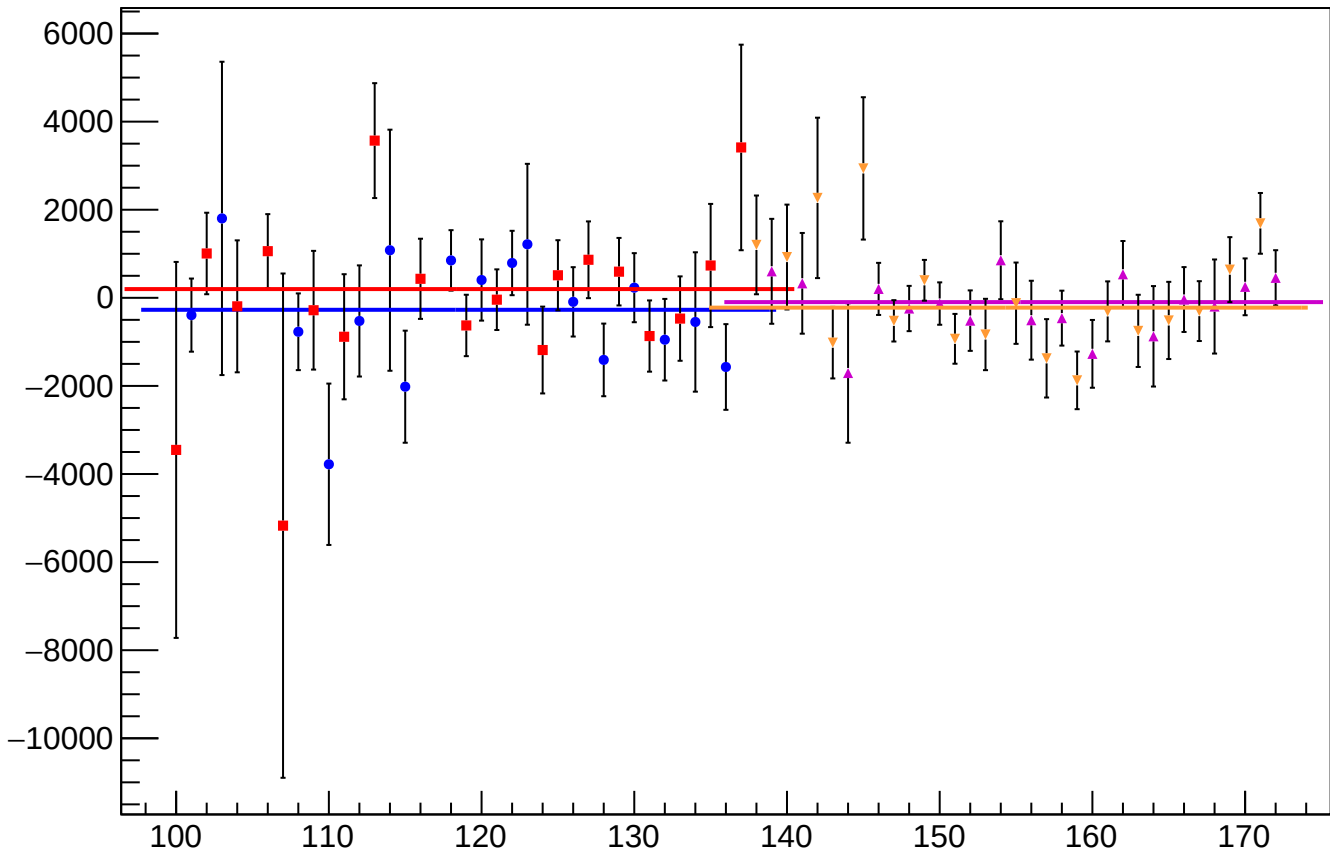
Left In: 1842.851 $\pm$ 0.359 χ^2 /NDF: 6199.2/16

+ sign 1887.596 $\pm$ 0.300 χ^2 /NDF: 657552.7/34

All: 1888.858 $\pm$ 0.212 χ^2 /NDF: 1076123.4/70

- sign 1890.110 $\pm$ 0.299 χ^2 /NDF: 418535.5/35

asym_at1_avg_correction_mean vs Slug



Right In: -271.773 $\pm$ 240.214 χ^2 /NDF: 17.2/16

Left Out: -222.758 $\pm$ 173.056 χ^2 /NDF:31.2/17

Right Out: 198.424 $\pm$ 229.035 χ^2 /NDF: 19.7/18

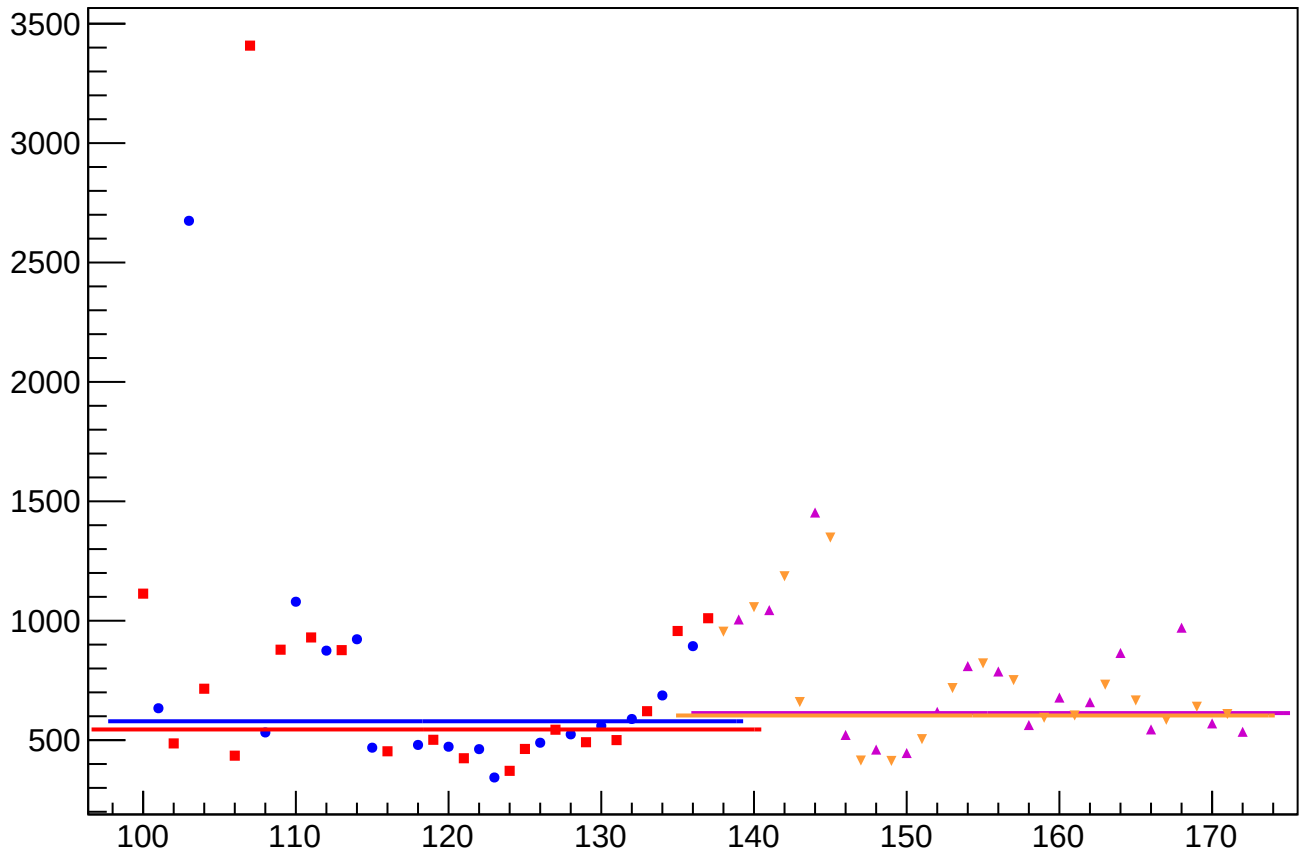
Left In: -97.454 $\pm$ 176.977 χ^2 /NDF:8.5/16

+ sign -239.505 $\pm$ 140.413 χ^2 /NDF: 48.5/34

All: -112.837 $\pm$ 99.155 χ^2 /NDF: 79.4/70

- sign 13.161 $\pm$ 140.041 χ^2 /NDF: 29.3/35

asym_at1_avg_correction_rms vs Slug



Right In: 579.010 $\pm$ 0.170 χ^2 /NDF: 1422148.6/16

Left Out: 603.235 $\pm$ 0.122 χ^2 /NDF: 2122959.4/17

Right Out: 544.674 $\pm$ 0.162 χ^2 /NDF: 1457799.9/18

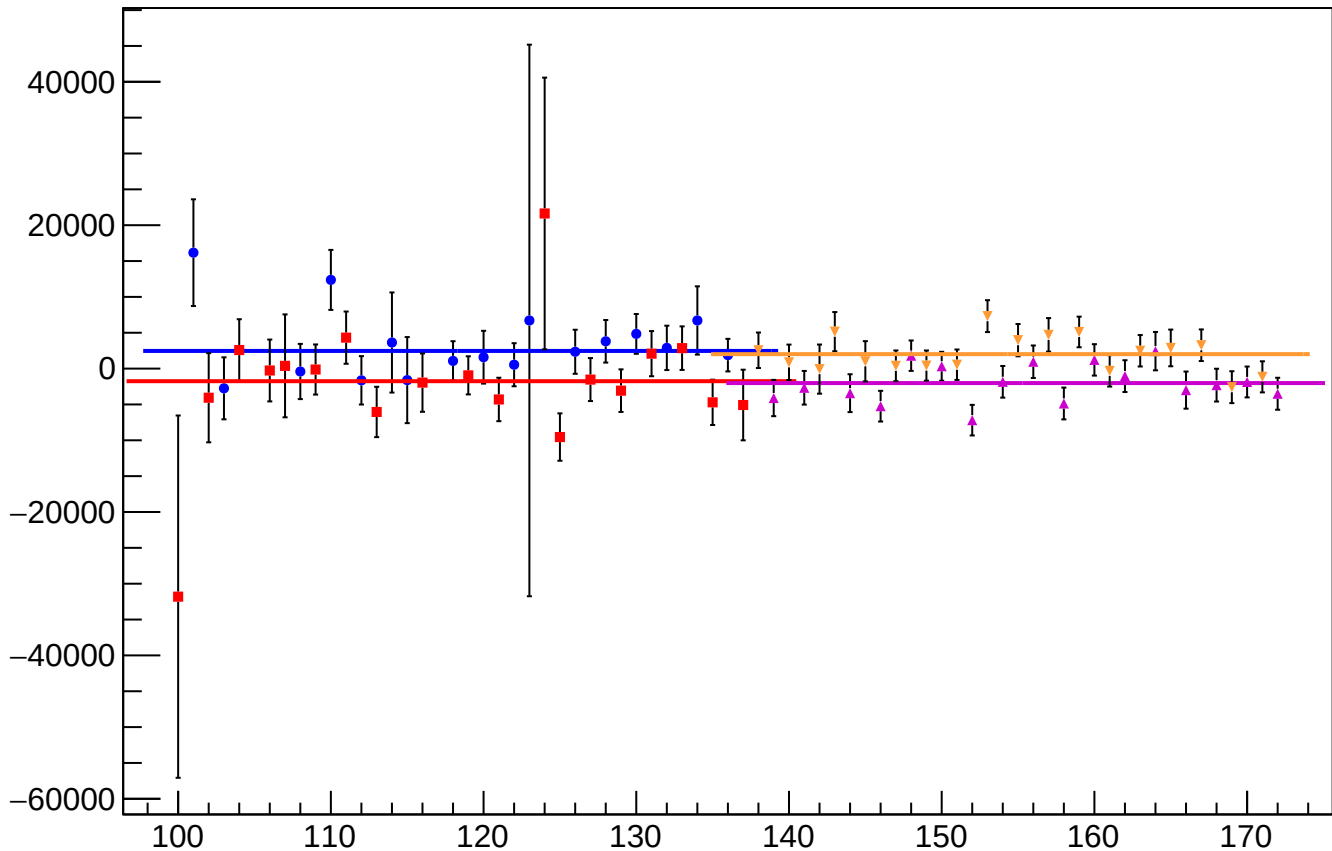
Left In: 613.235 $\pm$ 0.125 χ^2 /NDF: 2118506.4/16

+ sign 594.958 $\pm$ 0.099 χ^2 /NDF: 3558497.9/34

All: 591.270 $\pm$ 0.070 χ^2 /NDF: 7249770.9/70

- sign 587.603 $\pm$ 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: 2015.203 $\pm$ 547.961 χ^2 /NDF:21.6/17

Right Out: -1756.788 $\pm$ 853.292 χ^2 /NDF: 20.5/18

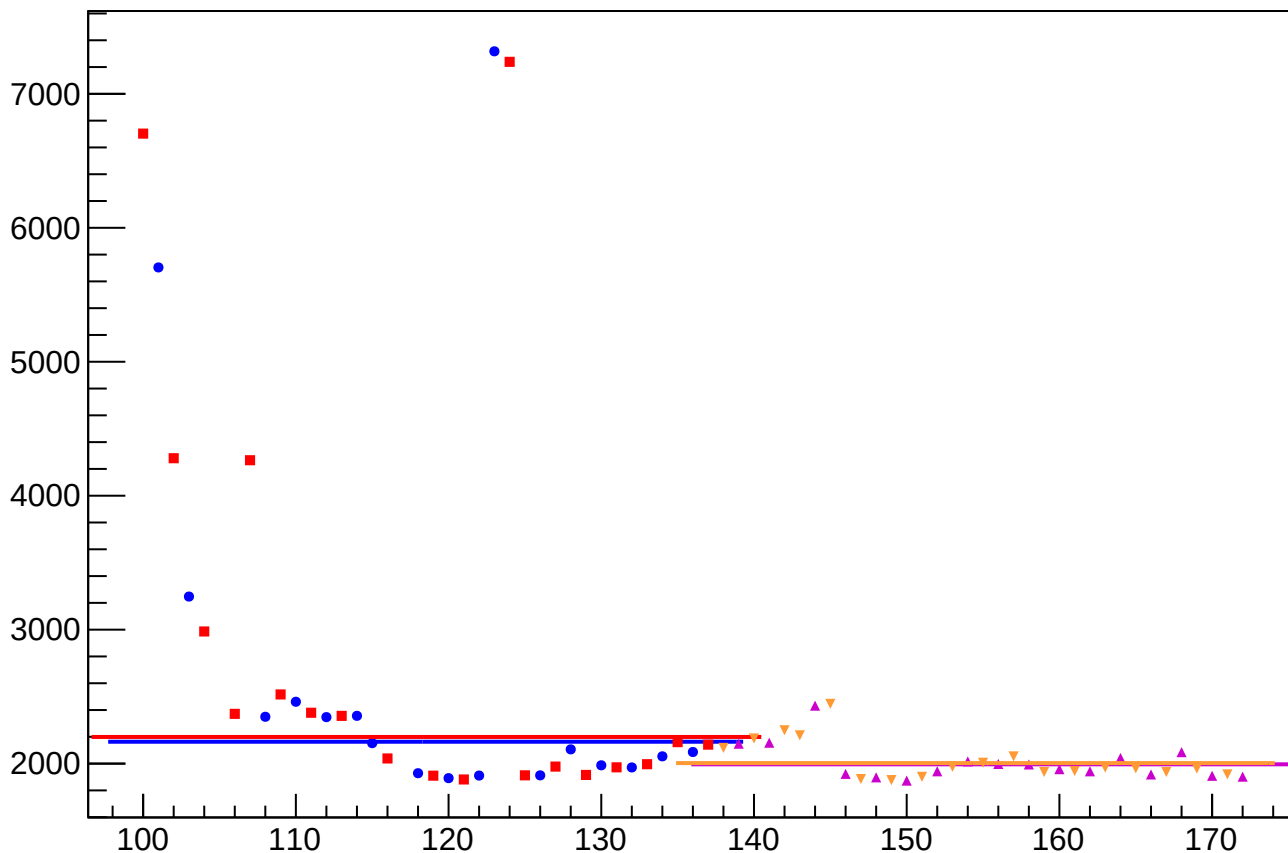
Left In: -2018.058 $\pm$ 550.535 χ^2 /NDF:22.9/16

+ sign 2144.133 $\pm$ 462.620 χ^2 /NDF: 37.3/34

All: 101.373 $\pm$ 327.117 χ^2 /NDF: 119.8/70

- sign -1941.266 $\pm$ 462.607 χ^2 /NDF: 43.5/35

asym_at1_avg_rms vs Slug



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 2003.981+/-0.387 χ^2/NDF :115920.3/17

Right Out: 2199.003+/-0.603 χ^2/NDF : 803297.2/18

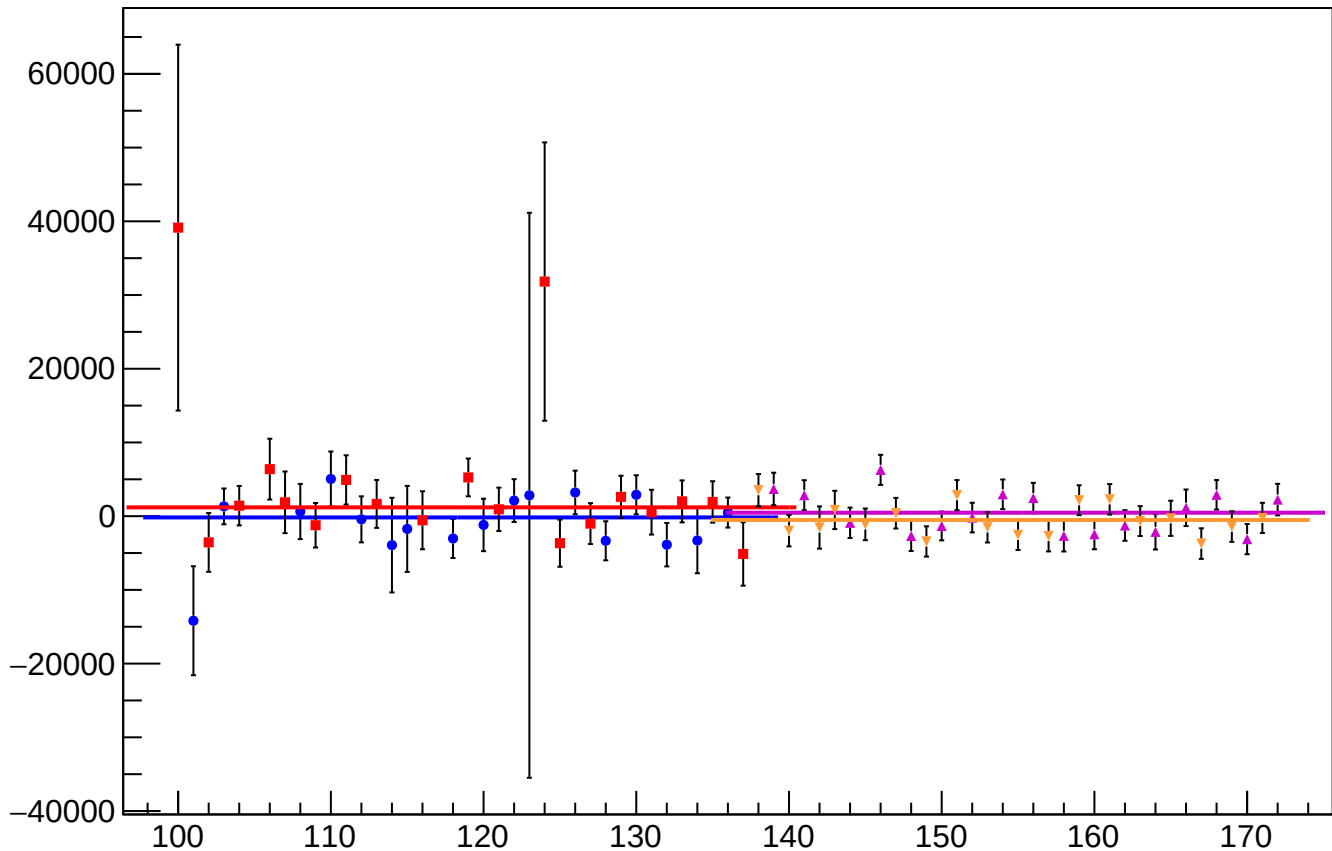
Left In: 1994.732+/-0.389 χ^2/NDF :100728.1/16

+ sign 2049.743+/-0.327 χ^2/NDF : 874068.4/34

All: 2052.257+/-0.231 χ^2/NDF : 1859140.5/70

- sign 2054.772+/-0.327 χ^2/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: -513.313 ± 504.530 χ^2/NDF : 17.8/17

Right Out: 1197.543 ± 764.254 χ^2/NDF : 18.2/18

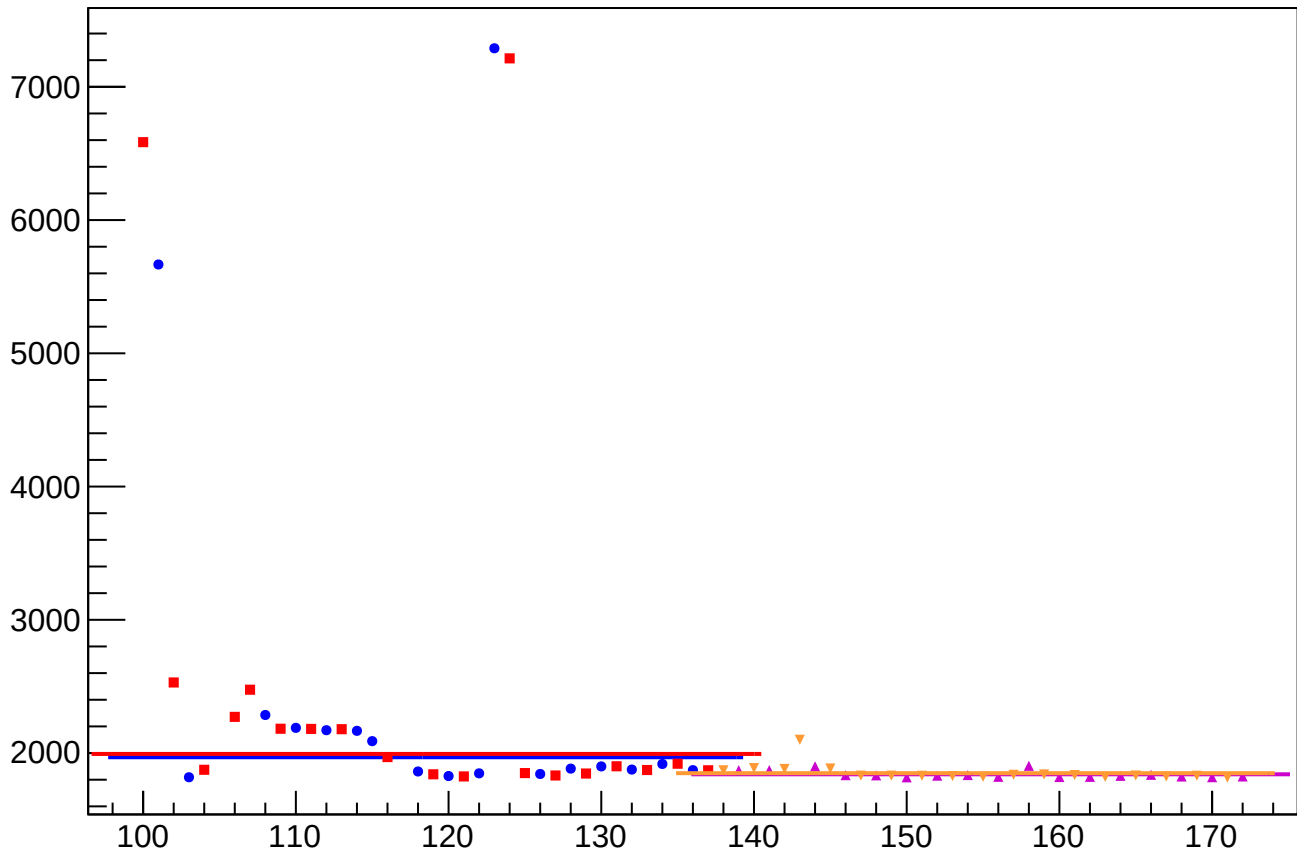
Left In: 470.957 ± 507.062 χ^2/NDF : 29.2/16

+ sign -412.582 ± 424.013 χ^2/NDF : 32.5/34

All: 142.174 ± 299.294 χ^2/NDF : 83.9/70

- 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: 1848.998 $\pm$ 0.357 χ^2 /NDF: 23048.8/17

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

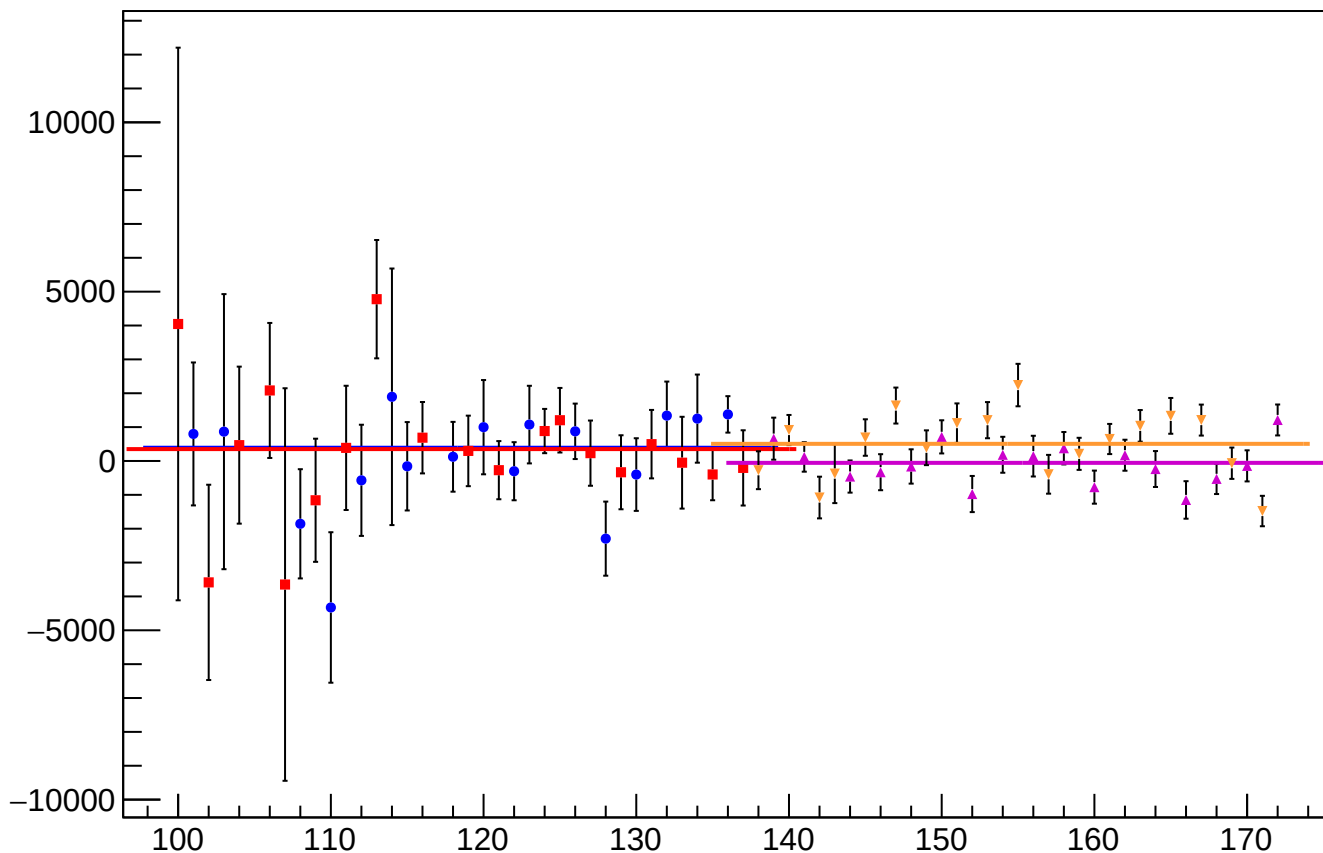
Left In: 1840.561 $\pm$ 0.359 χ^2 /NDF: 5799.6/16

+ sign 1884.135 $\pm$ 0.300 χ^2 /NDF: 659050.1/34

All: 1885.715 $\pm$ 0.212 χ^2 /NDF: 1076632.3/70

- sign 1887.283 $\pm$ 0.299 χ^2 /NDF: 417526.9/35

asym_at1_dd_correction_mean vs Slug



Right In: 390.923 $\pm$ 270.128 χ^2/NDF : 20.0/16

Left Out: 506.031 $\pm$ 122.093 χ^2/NDF : 55.7/17

Right Out: 350.642 $\pm$ 266.097 χ^2/NDF : 14.2/18

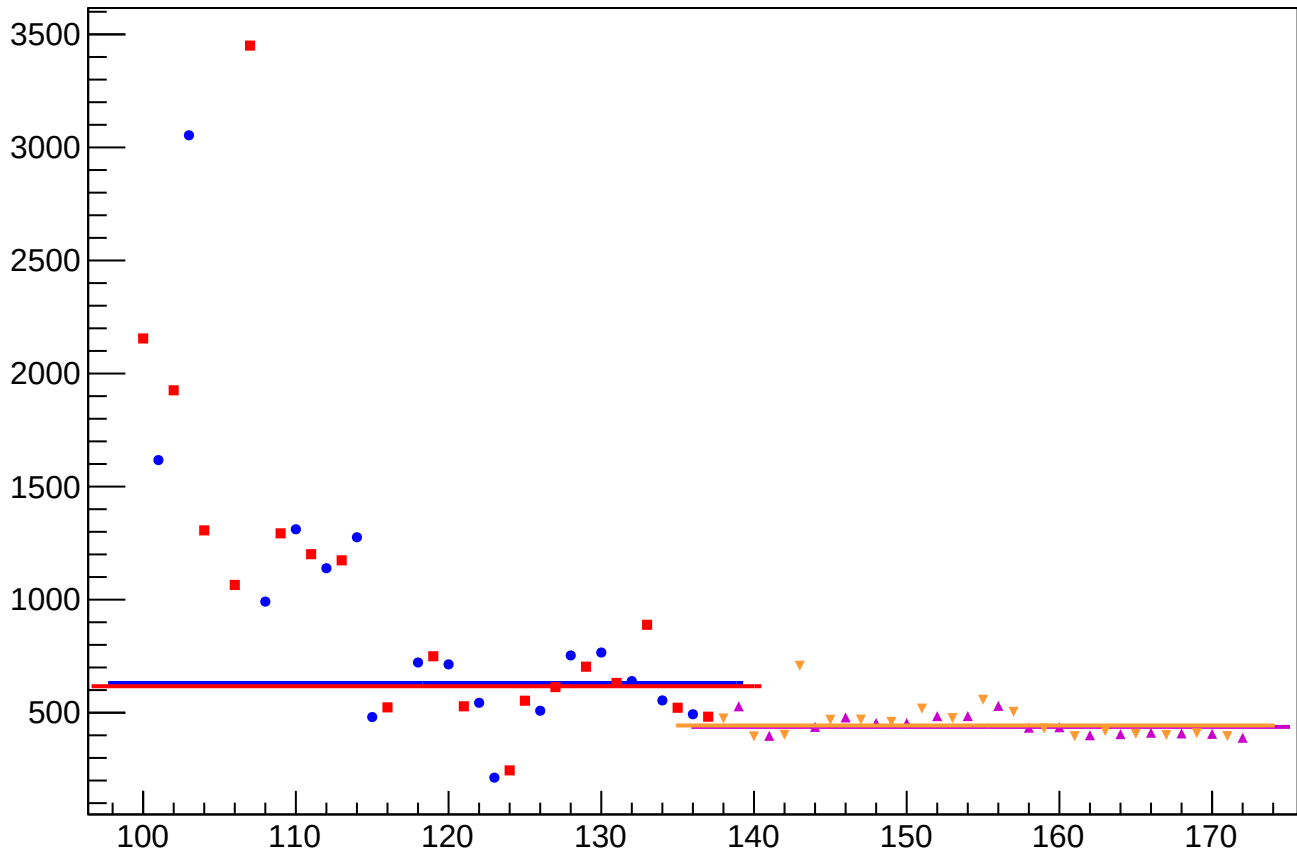
Left In: -55.527 $\pm$ 120.942 χ^2/NDF : 24.3/16

+ sign 486.505 $\pm$ 111.256 χ^2/NDF : 75.9/34

All: 247.798 $\pm$ 78.259 χ^2/NDF : 125.5/70

- sign 14.012 $\pm$ 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: 443.525 $\pm$ 0.086 χ^2 /NDF: 450715.3/17

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

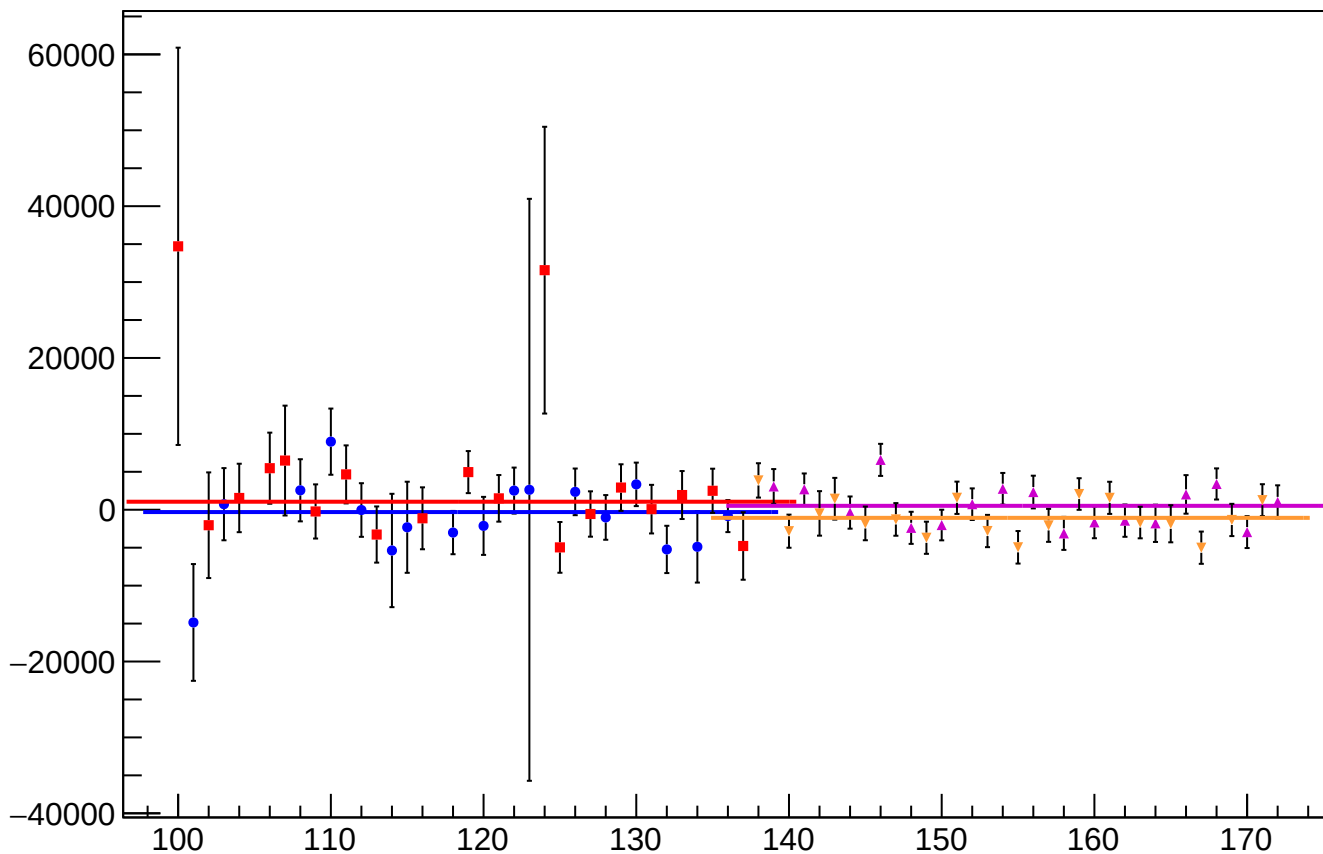
Left In: 437.254 $\pm$ 0.086 χ^2 /NDF: 220514.6/16

+ sign 475.400 $\pm$ 0.079 χ^2 /NDF: 3515001.5/34

All: 471.678 $\pm$ 0.055 χ^2 /NDF: 7298728.4/70

- 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: -1069.037 ± 520.633 χ^2/NDF : 22.3/17

Right Out: 1056.856 ± 867.445 χ^2/NDF : 16.6/18

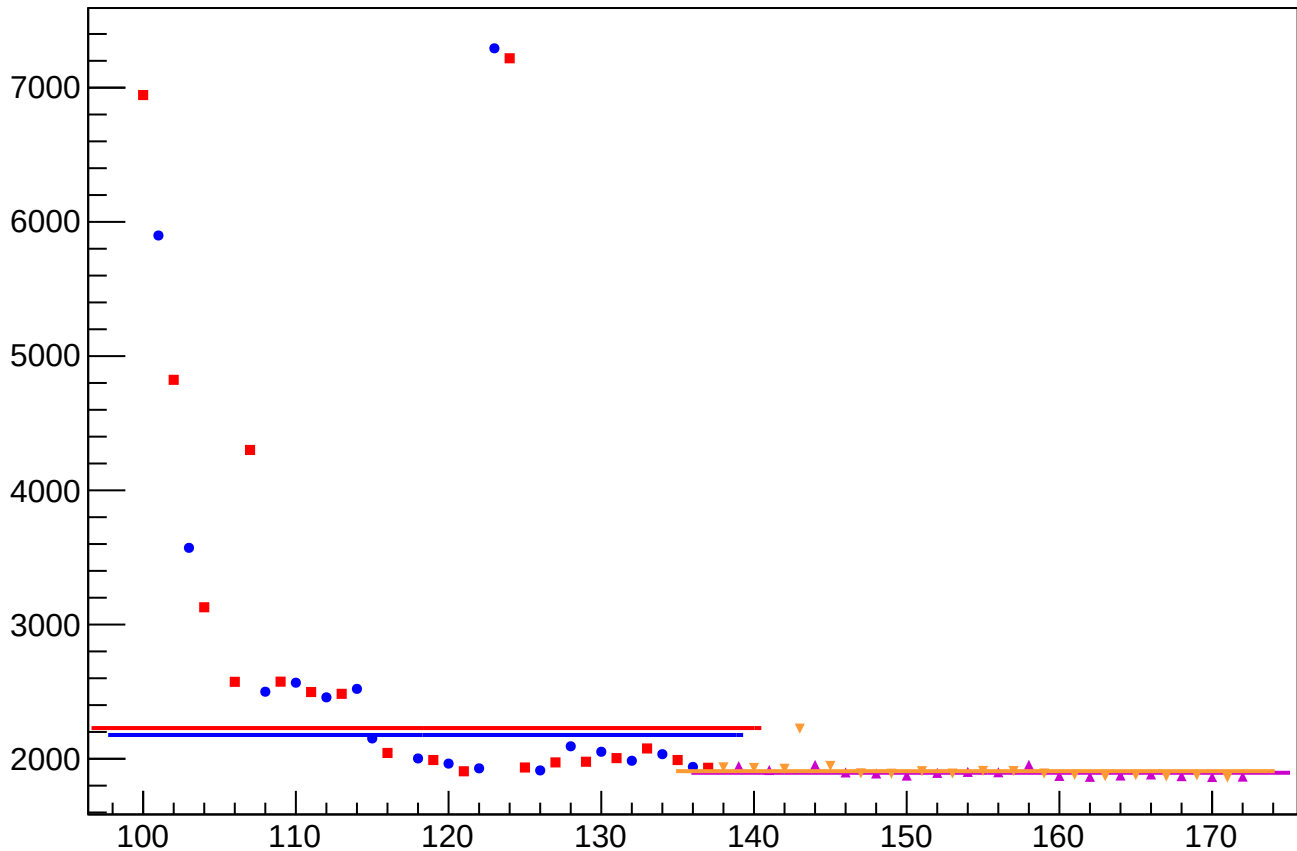
Left In: 516.086 ± 522.265 χ^2/NDF : 26.7/16

+ sign -868.412 ± 447.008 χ^2/NDF : 40.0/34

All: -104.946 ± 316.231 χ^2/NDF : 89.5/70

- 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: 1907.905+/-0.368 χ^2/NDF : 31894.9/17

Right Out: 2229.014+/-0.613 χ^2/NDF : 895809.1/18

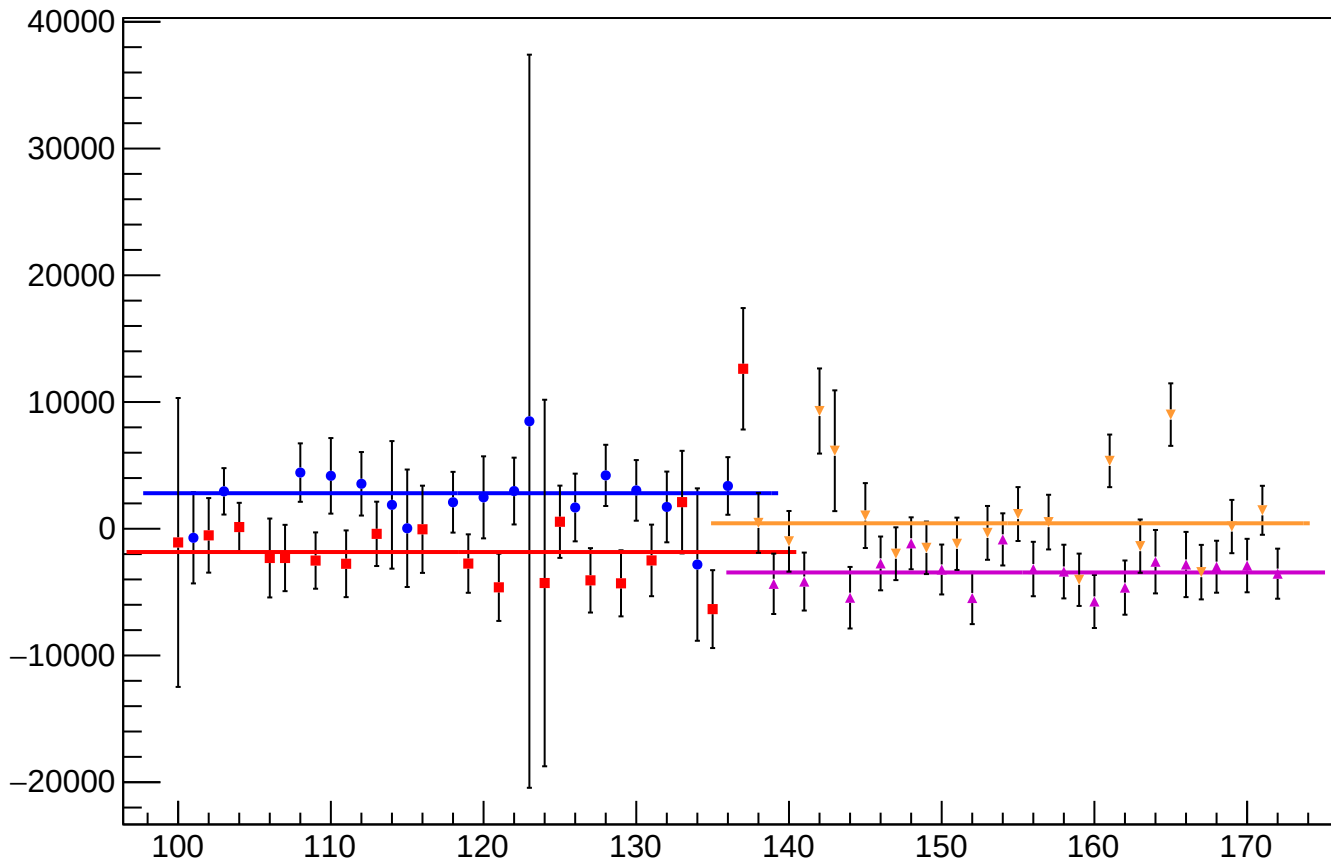
Left In: 1895.894+/-0.369 χ^2/NDF : 6342.1/16

+ sign 1978.749+/-0.316 χ^2/NDF : 975625.1/34

All: 1981.632+/-0.224 χ^2/NDF : 2094421.7/70

- 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: 430.607 ± 529.837 χ^2/NDF : 38.5/17

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

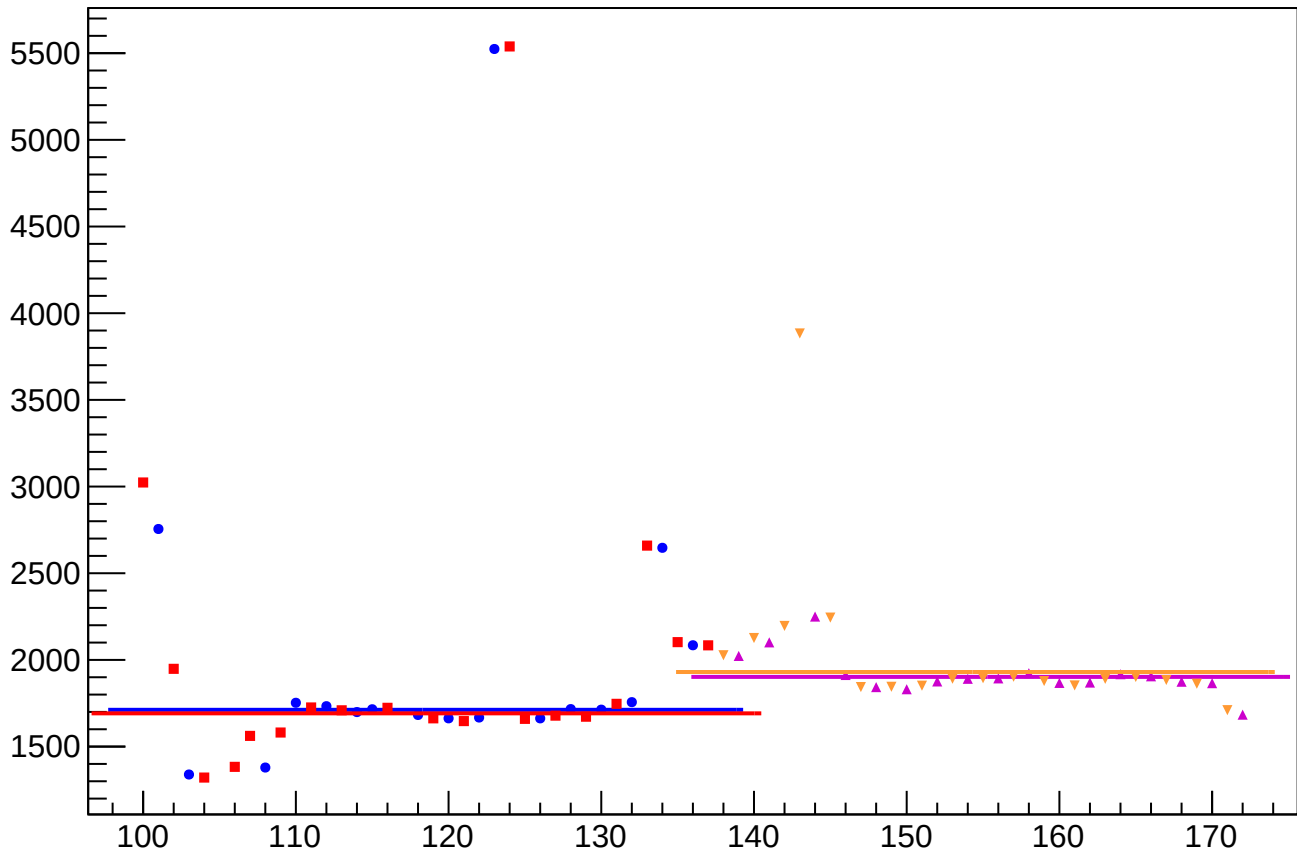
Left In: -3449.114 ± 523.948 χ^2/NDF : 6.7/16

+ sign 1329.546 ± 417.608 χ^2/NDF : 50.0/34

All: -787.545 ± 292.285 χ^2/NDF : 128.8/70

- 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: 1930.279 ± 0.375 χ^2/NDF : 440584.2/17

Right Out: 1691.747 ± 0.463 χ^2/NDF : 454922.1/18

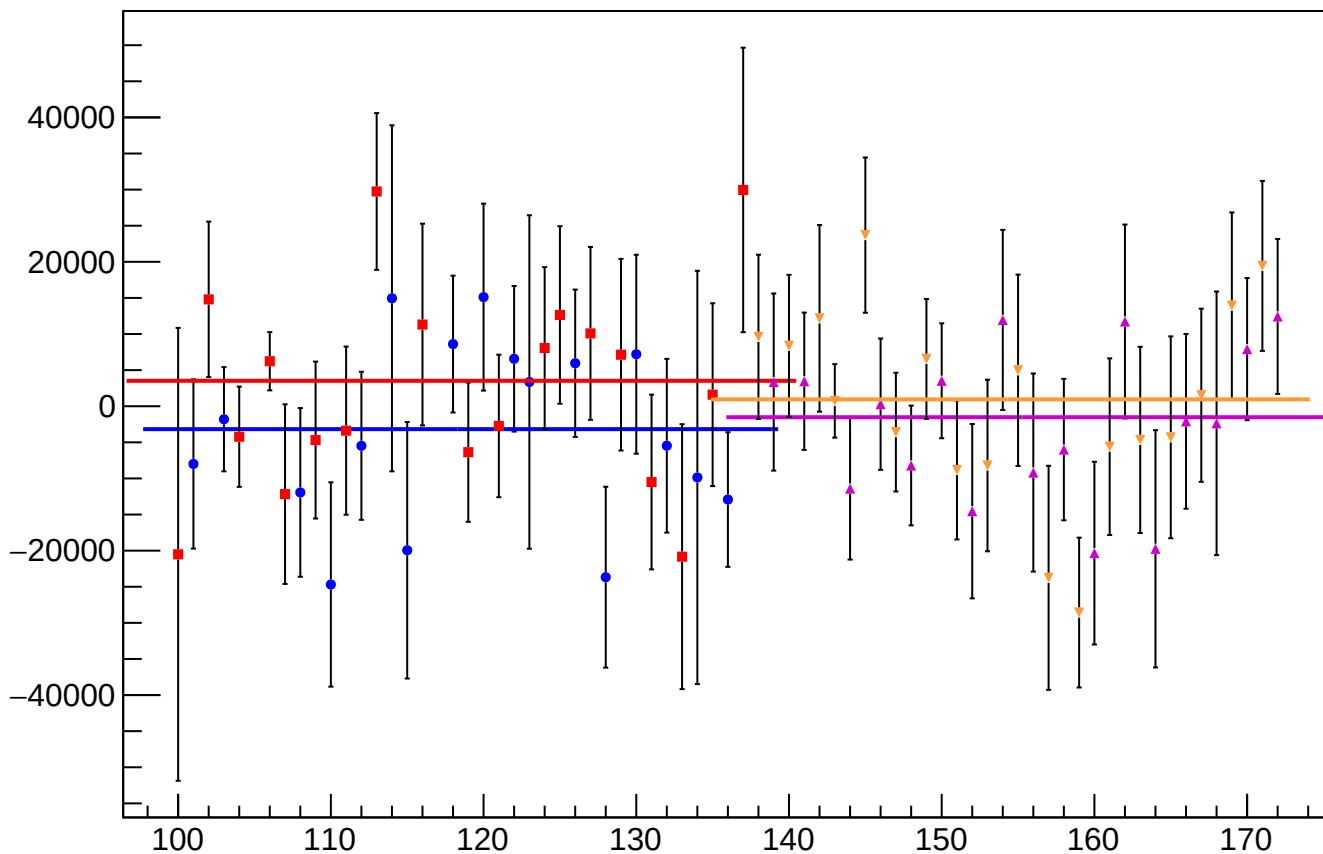
Left In: 1902.081 ± 0.370 χ^2/NDF : 92693.2/16

+ sign 1847.660 ± 0.295 χ^2/NDF : 1001452.9/34

All: 1833.577 ± 0.207 χ^2/NDF : 1679219.5/70

- sign 1820.055 ± 0.289 χ^2/NDF : 673308.6/35

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 ± 2851.982 χ^2/NDF : 14.4/16

Left Out: 951.592 ± 2386.159 χ^2/NDF : 23.6/17

Right Out: 3520.105 ± 2266.532 χ^2/NDF : 19.5/18

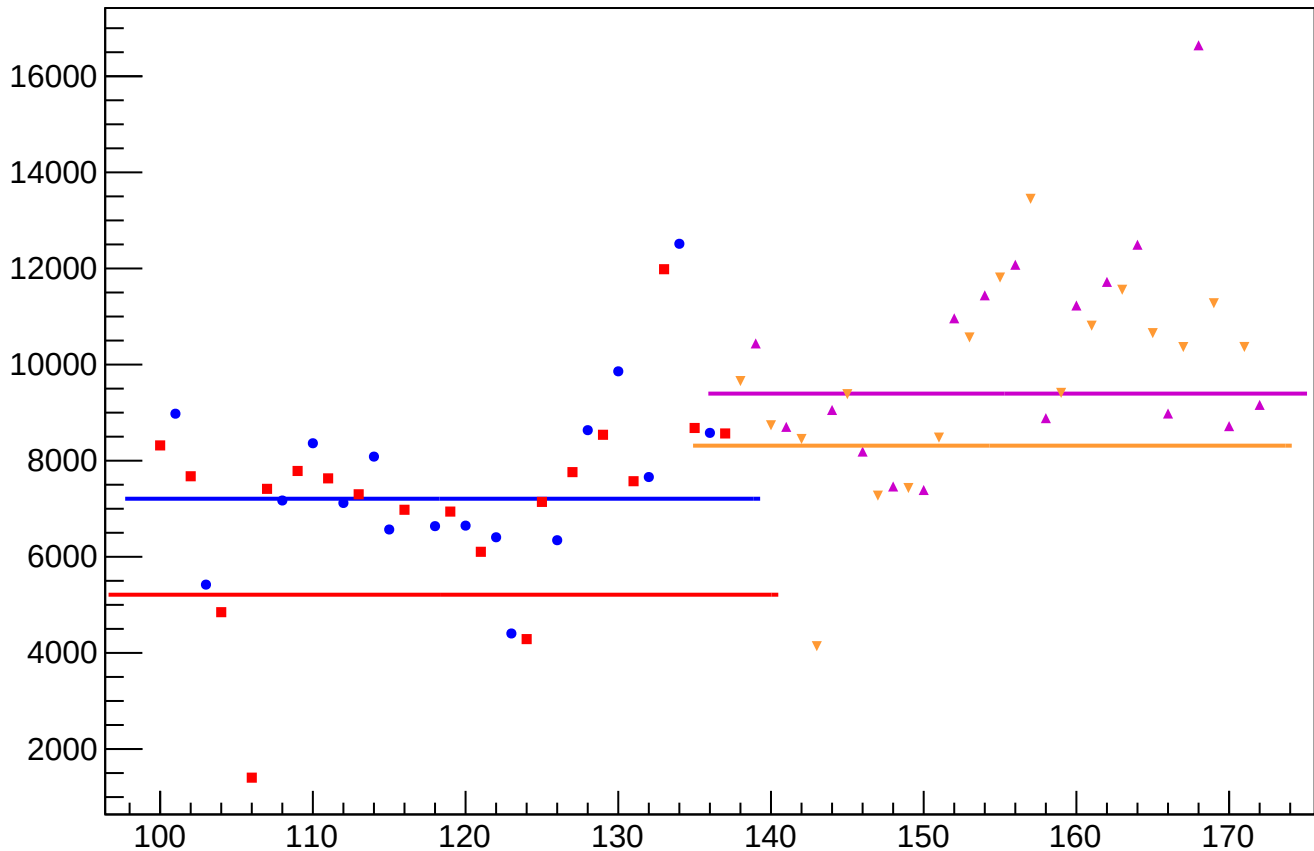
Left In: -1521.007 ± 2636.606 χ^2/NDF : 12.4/16

+ sign -746.887 ± 1830.094 χ^2/NDF : 39.2/34

All: 382.091 ± 1252.857 χ^2/NDF : 74.0/70

- sign 1377.881 ± 1718.757 χ^2/NDF : 34.0/35

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567 $\pm$ 2.017 χ^2 /NDF: 469302.0/16

Left Out: 8312.939 $\pm$ 1.687 χ^2 /NDF: 2394132.4/17

Right Out: 5211.187 $\pm$ 1.603 χ^2 /NDF: 3196870.2/18

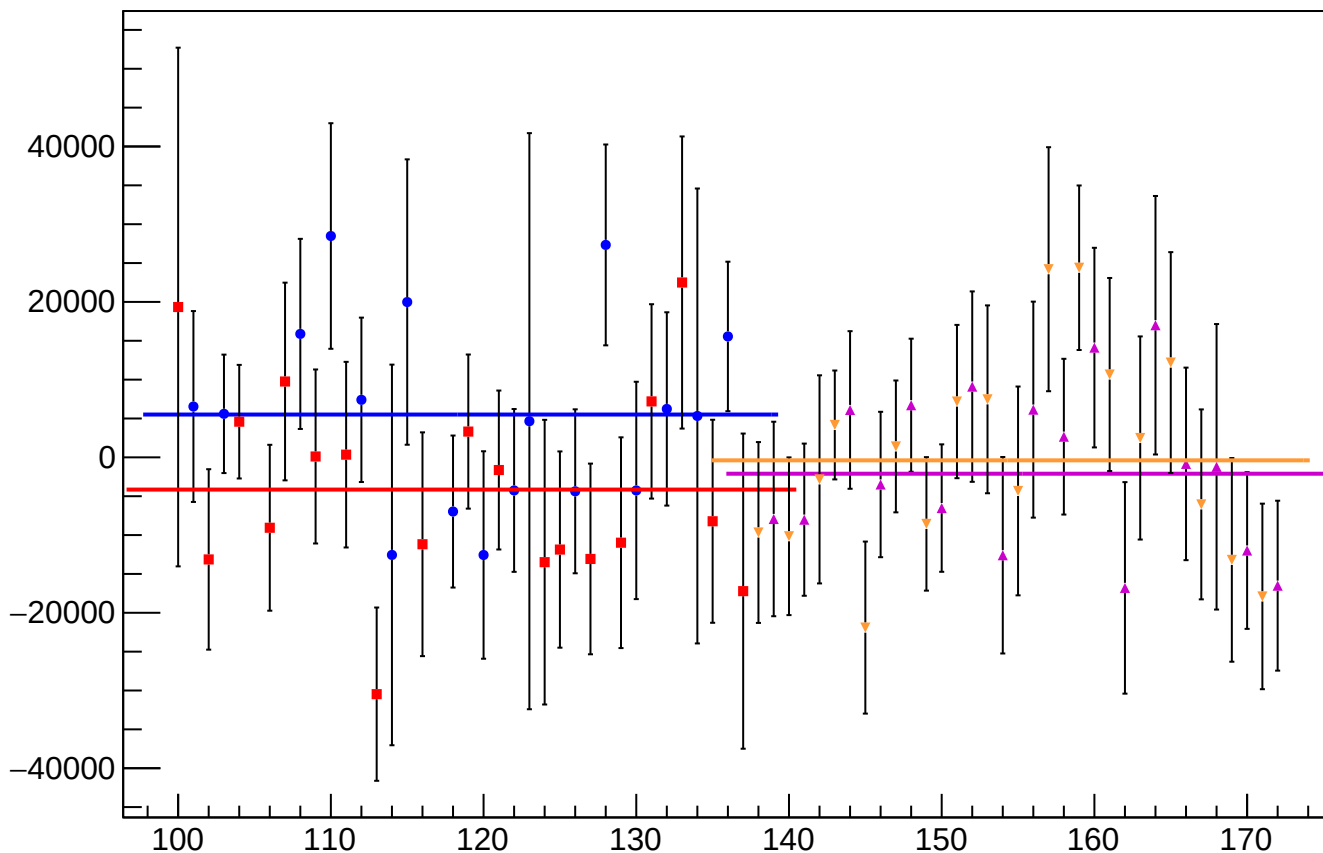
Left In: 9395.995 $\pm$ 1.864 χ^2 /NDF: 968973.7/16

+ sign 7858.193 $\pm$ 1.294 χ^2 /NDF: 3039841.0/34

All: 7396.633 $\pm$ 0.886 χ^2 /NDF: 10342424.8/7

- sign 6989.524 $\pm$ 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: -384.261 $\pm$ 2572.187 χ^2 /NDF:20.7/17

Right Out: -4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

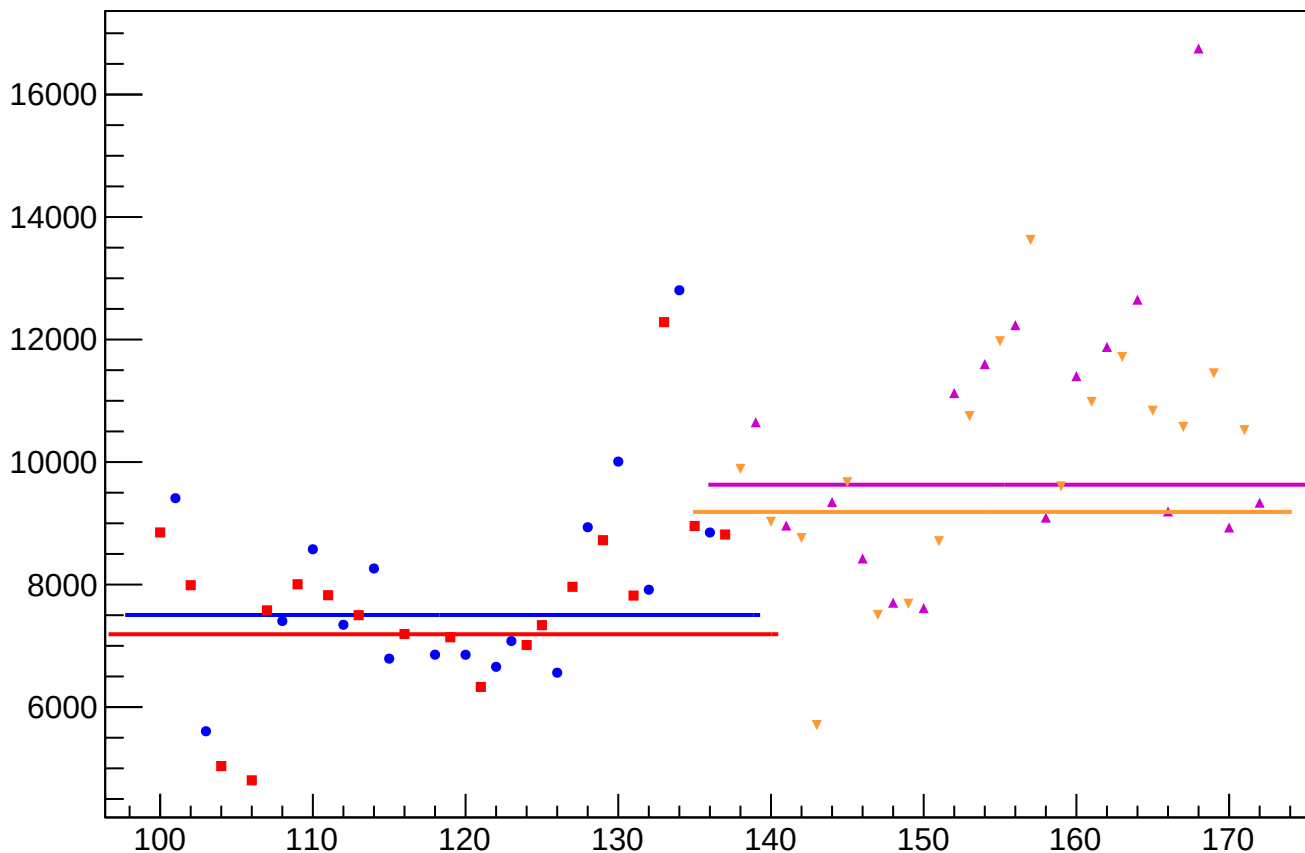
Left In: -2105.954 $\pm$ 2698.559 χ^2 /NDF:11.5/16

+ sign 2140.690 $\pm$ 1944.651 χ^2 /NDF: 37.1/34

All: -482.217 $\pm$ 1373.344 χ^2 /NDF: 67.9/70

- 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: 9186.297+/-1.819 χ^2 /NDF:1187765.2/17

Right Out: 7189.231+/-1.973 χ^2 /NDF: 557703.4/18

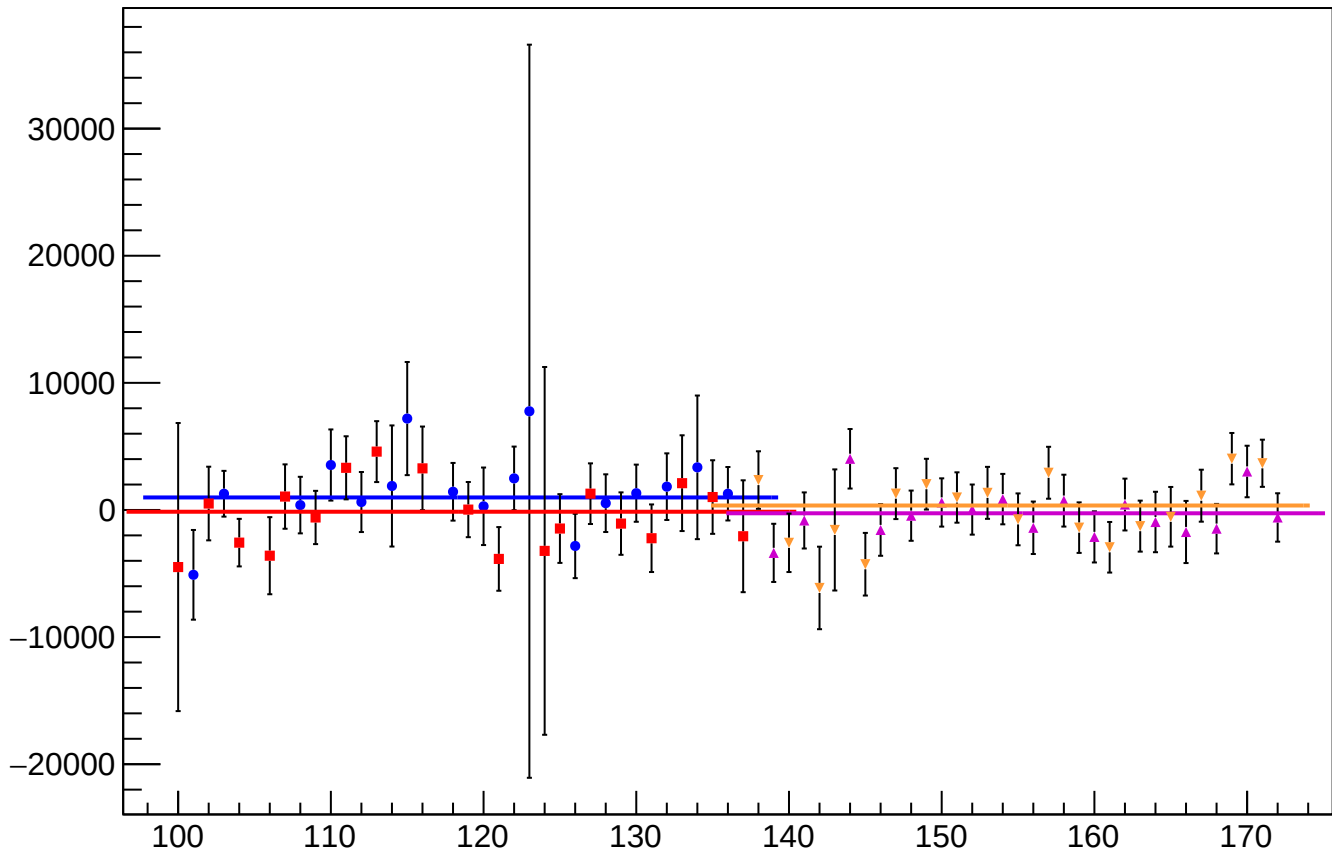
Left In: 9630.252+/-1.908 χ^2 /NDF:906496.8/16

+ sign 8465.406+/-1.375 χ^2 /NDF: 1981755.3/34

All: 8457.851+/-0.971 χ^2 /NDF: 4237038.8/70

- 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: 351.299 ± 508.141 χ^2/NDF : 24.2/17

Right Out: -138.627 ± 623.555 χ^2/NDF : 14.7/18

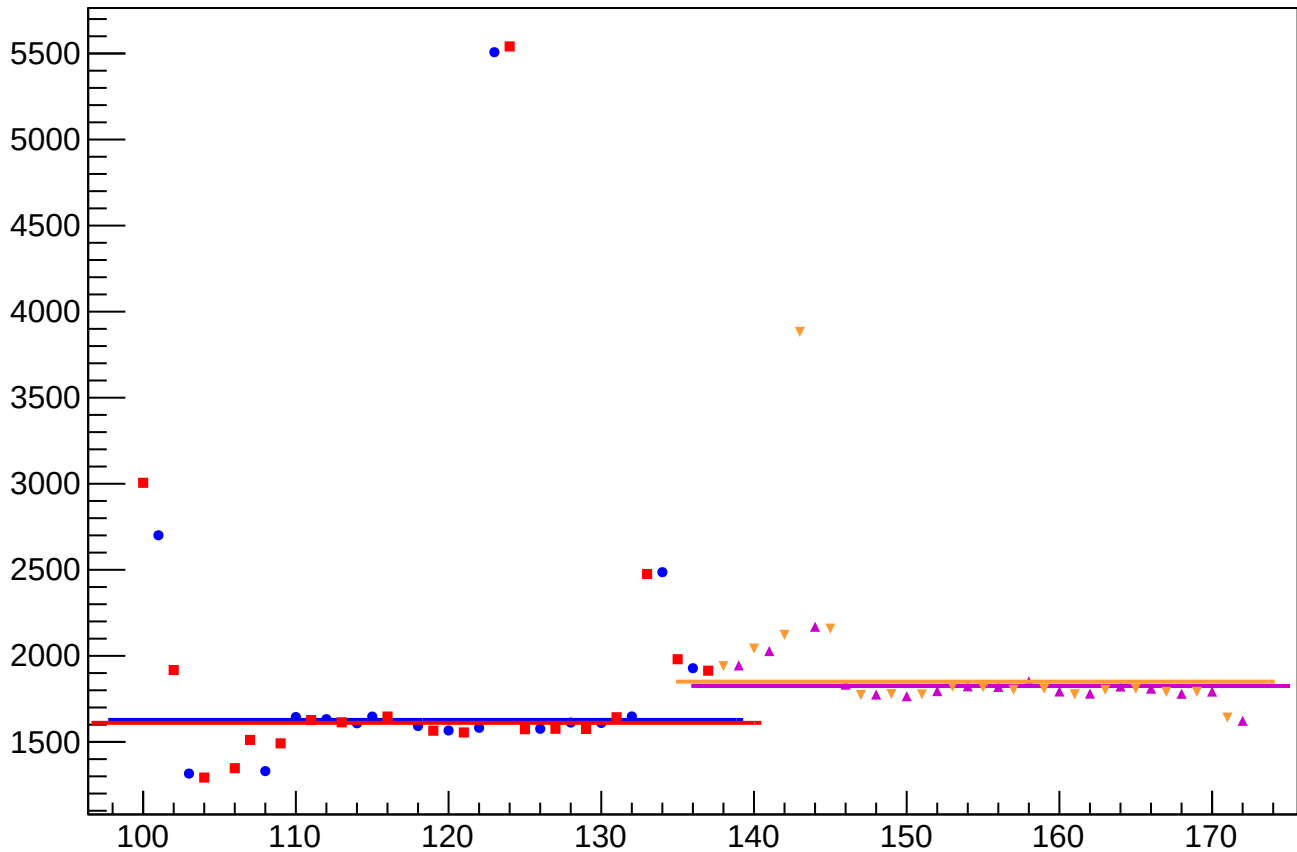
Left In: -260.527 ± 502.750 χ^2/NDF : 11.2/16

+ sign 594.330 ± 399.065 χ^2/NDF : 33.8/34

All: 183.073 ± 279.426 χ^2/NDF : 61.8/70

- 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: 1850.151+/-0.359 χ^2/NDF : 470727.8/17

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

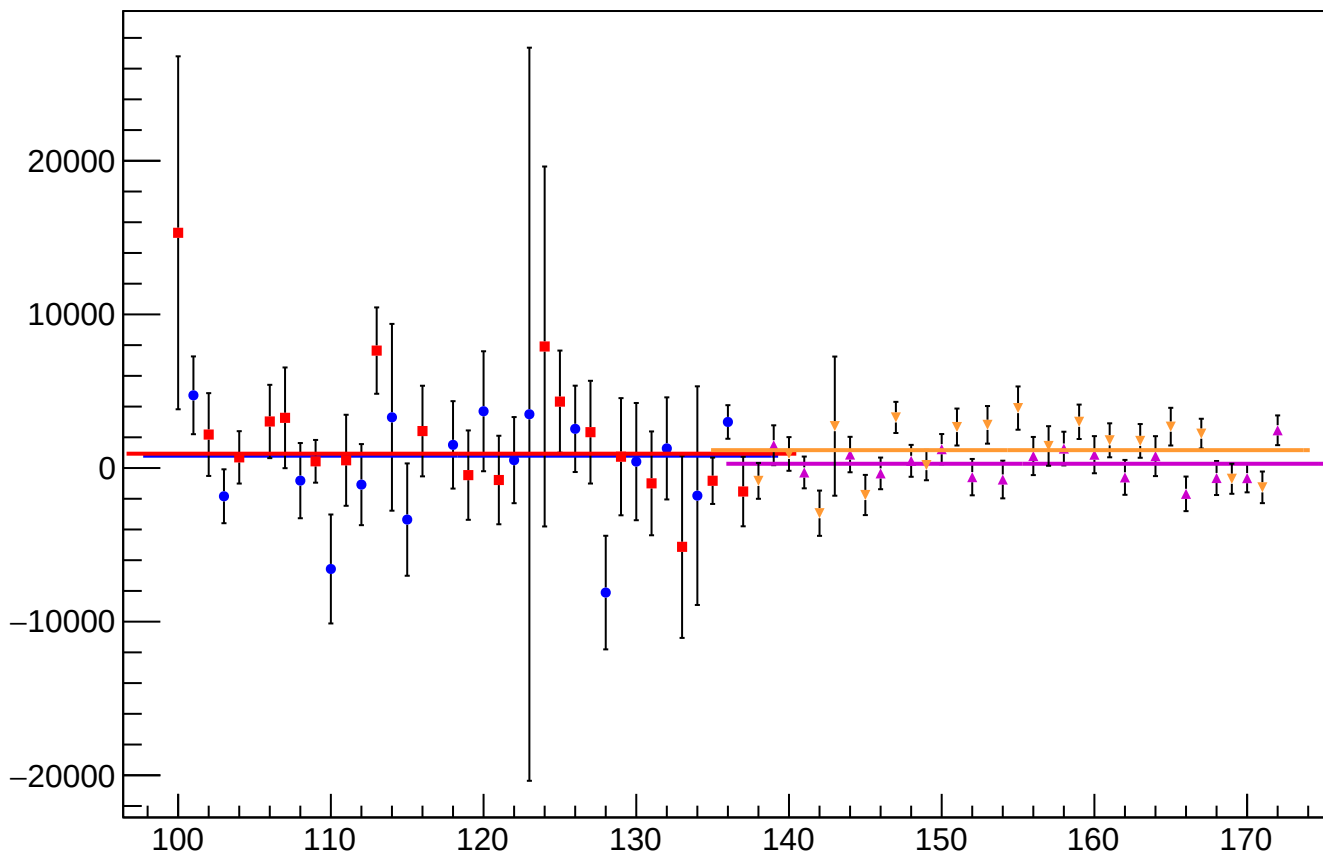
Left In: 1824.987+/-0.355 χ^2/NDF : 95419.9/16

+ sign 1764.951+/-0.282 χ^2/NDF : 1024545.6/34

All: 1752.571+/-0.198 χ^2/NDF : 1700514.5/70

- sign 1740.663+/-0.277 χ^2/NDF : 672192.8/35

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 ± 631.676 χ^2/NDF : 22.4/16

Left Out: 1163.616 ± 274.377 χ^2/NDF : 43.7/17

Right Out: 933.645 ± 589.727 χ^2/NDF : 15.3/18

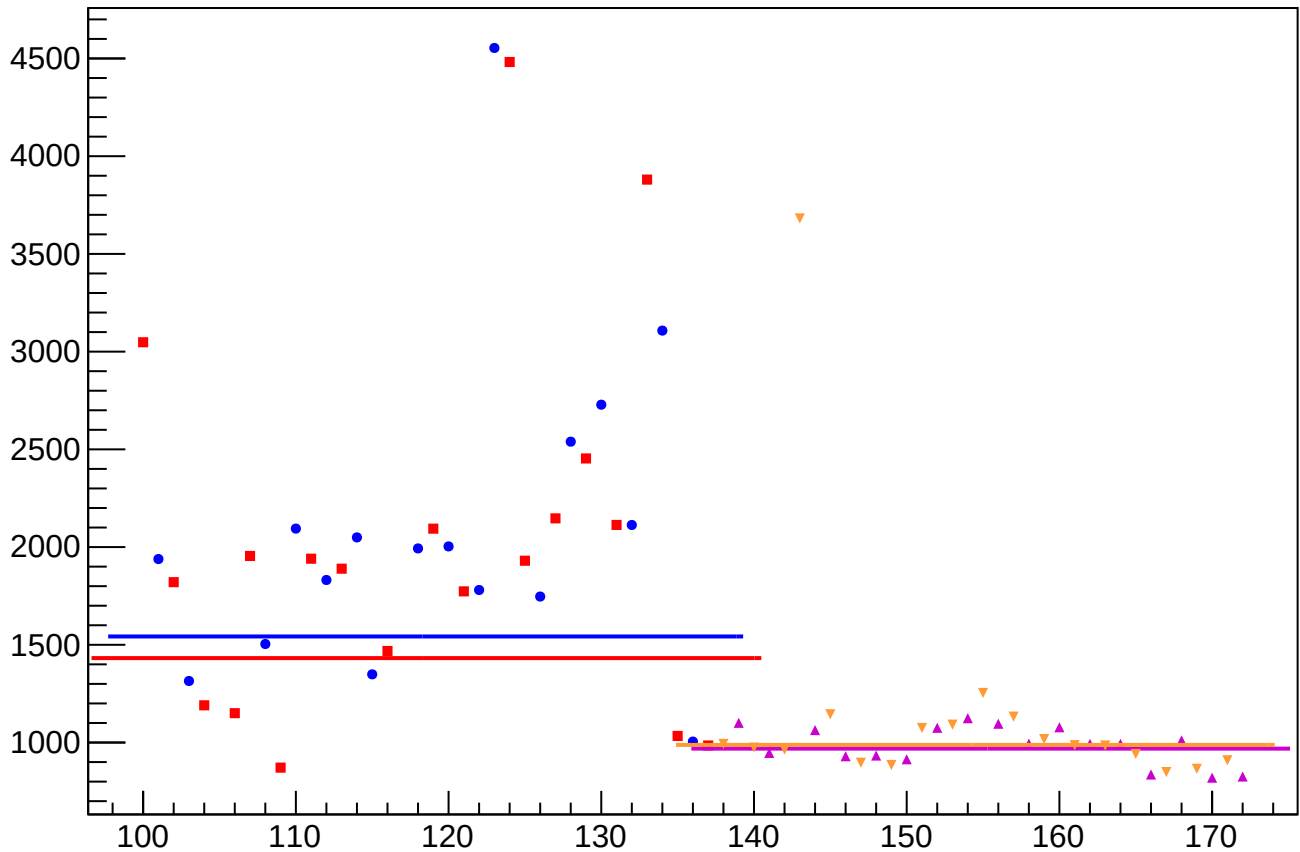
Left In: 277.653 ± 267.919 χ^2/NDF : 15.8/16

+ sign 1106.385 ± 251.662 χ^2/NDF : 66.4/34

All: 736.954 ± 175.153 χ^2/NDF : 102.7/70

- sign 389.884 ± 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: 987.840 $\pm$ 0.194 χ^2/NDF : 984244.9/17

+ sign 1075.911 $\pm$ 0.178 χ^2/NDF : 3570426.4/34

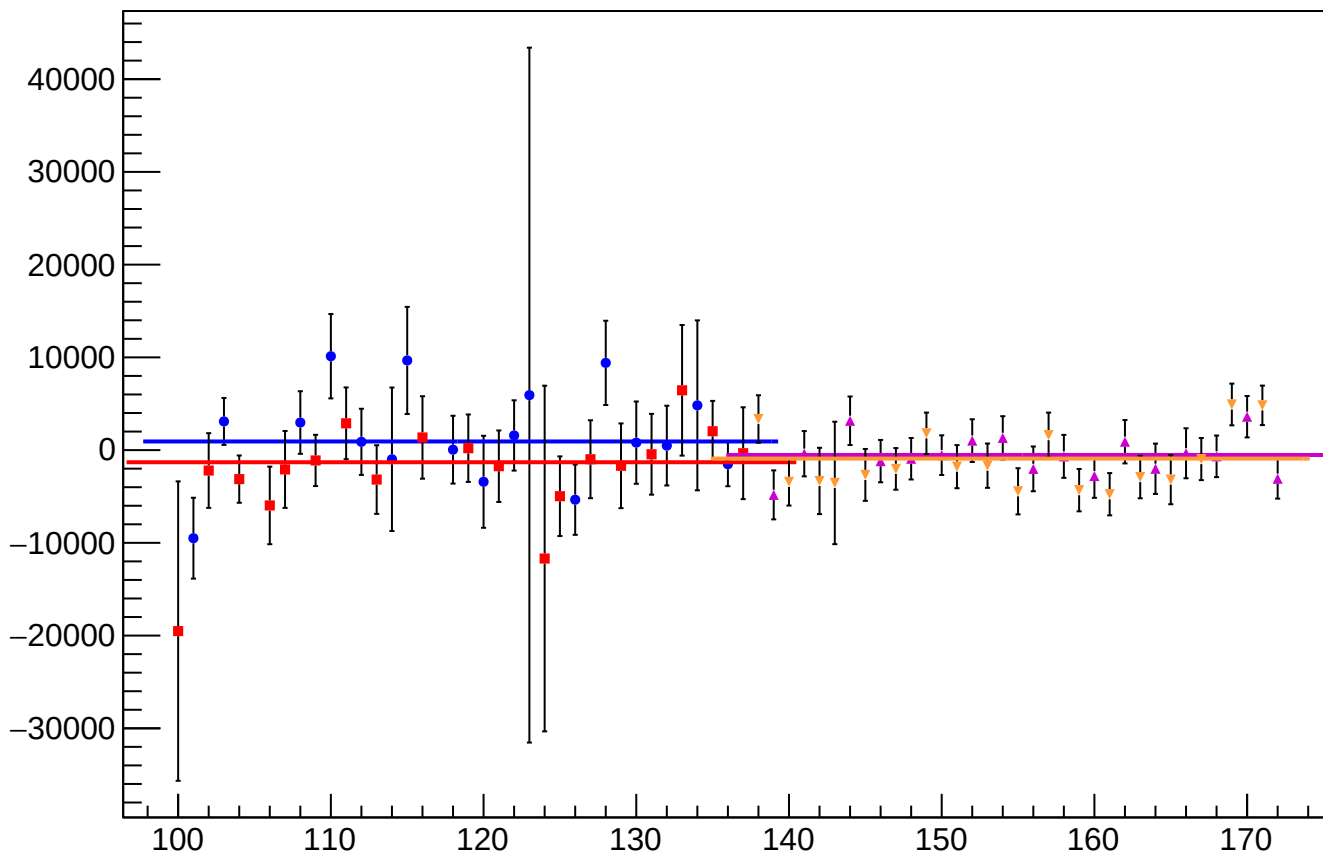
Right Out: 1432.013 $\pm$ 0.417 χ^2/NDF : 1823809.4/18

All: 1061.541 $\pm$ 0.124 χ^2/NDF : 6690419.2/70

Left In: 968.788 $\pm$ 0.189 χ^2/NDF : 260662.9/16

- 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: -913.517 ± 581.857 χ^2/NDF : 30.4/17

Right Out: -1307.802 ± 925.415 χ^2/NDF : 8.5/18

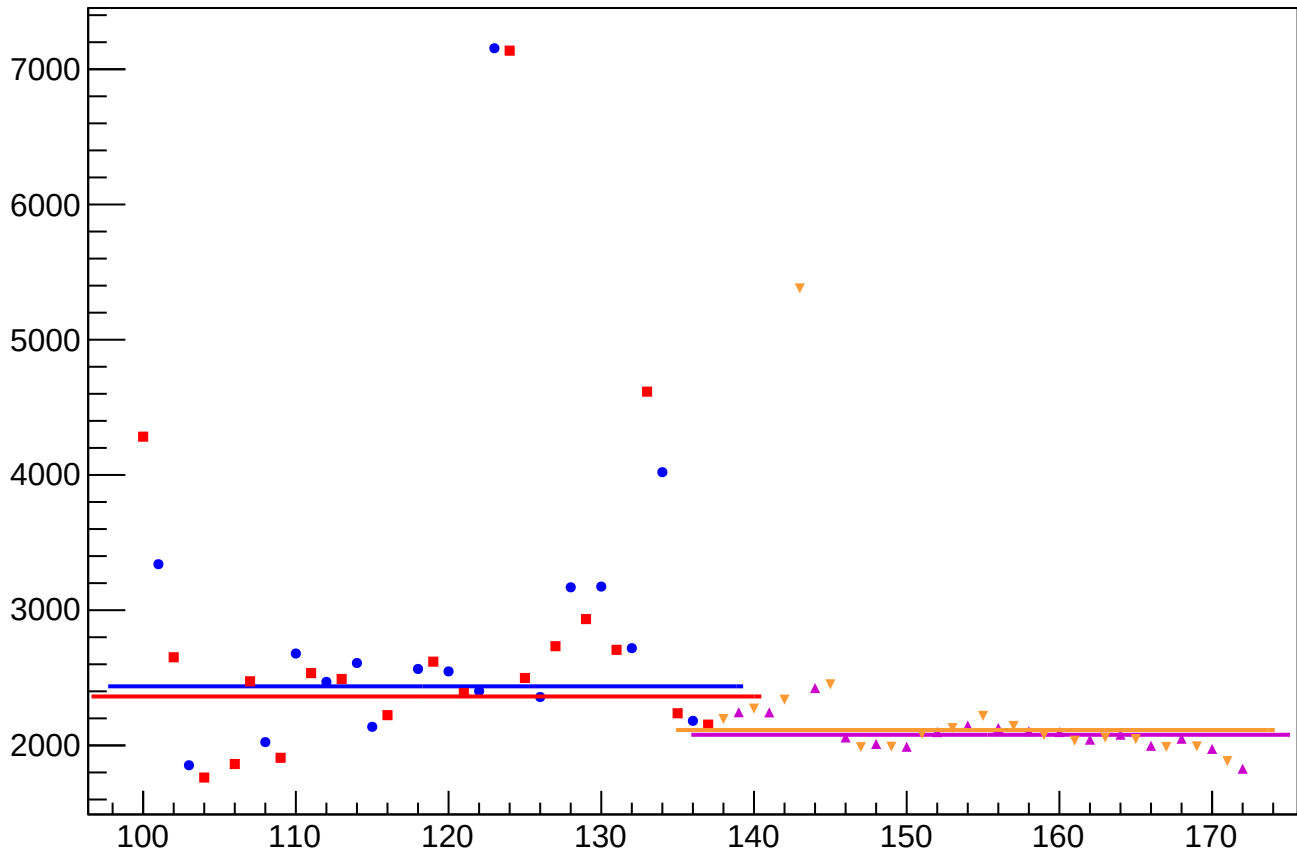
Left In: -526.545 ± 572.597 χ^2/NDF : 12.7/16

+ sign -423.429 ± 498.690 χ^2/NDF : 54.7/34

All: -586.946 ± 348.393 χ^2/NDF : 76.5/70

- 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: 2113.822+/-0.411 χ^2/NDF : 593129.4/17

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

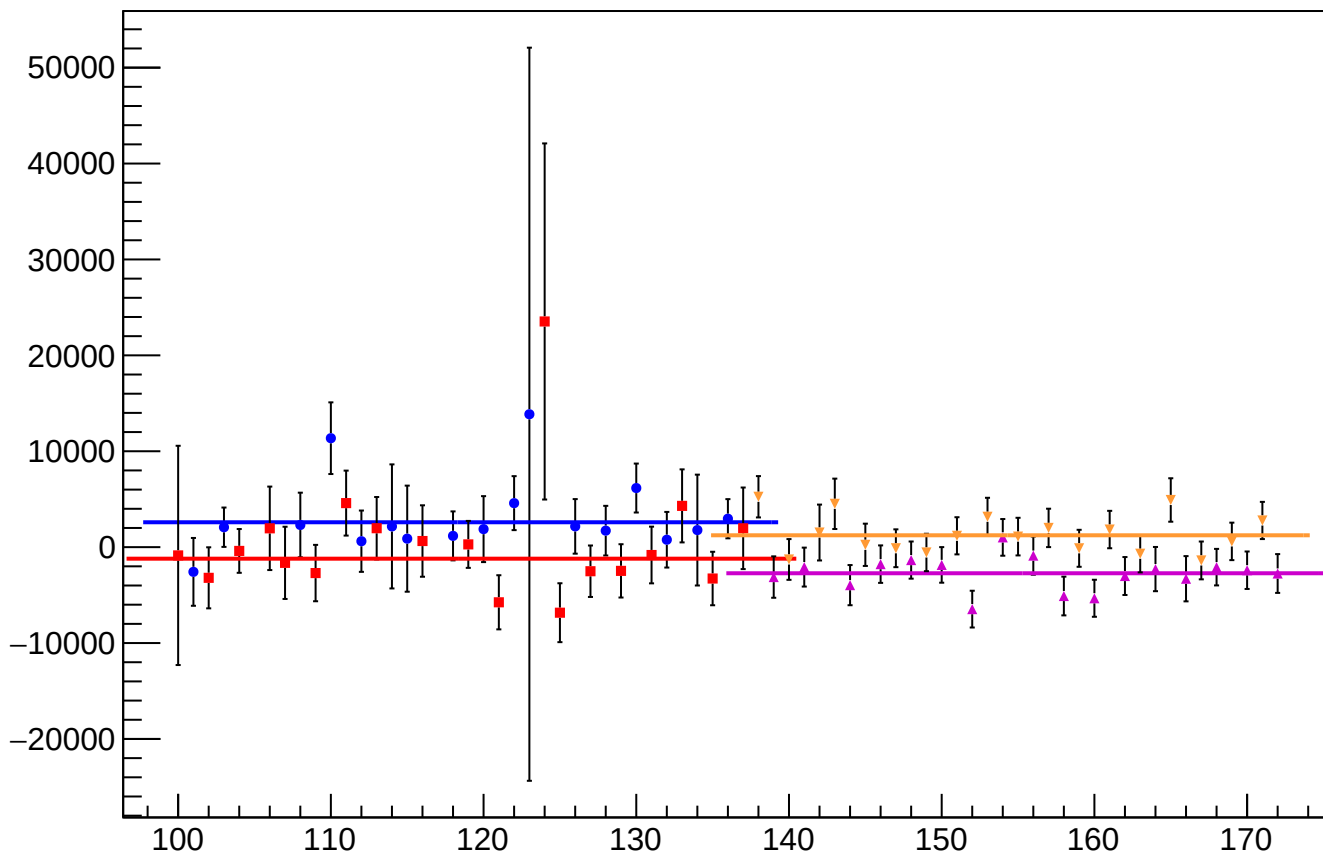
Left In: 2078.667+/-0.405 χ^2/NDF : 95025.1/16

+ sign 2199.568+/-0.353 χ^2/NDF : 1225786.6/34

All: 2177.815+/-0.246 χ^2/NDF : 2119553.0/70

- sign 2157.076+/-0.344 χ^2/NDF : 886332.9/35

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1237.021 $\pm$ 486.114 χ^2 /NDF:15.8/17

Right Out: -1202.548 $\pm$ 739.618 χ^2 /NDF: 17.2/18

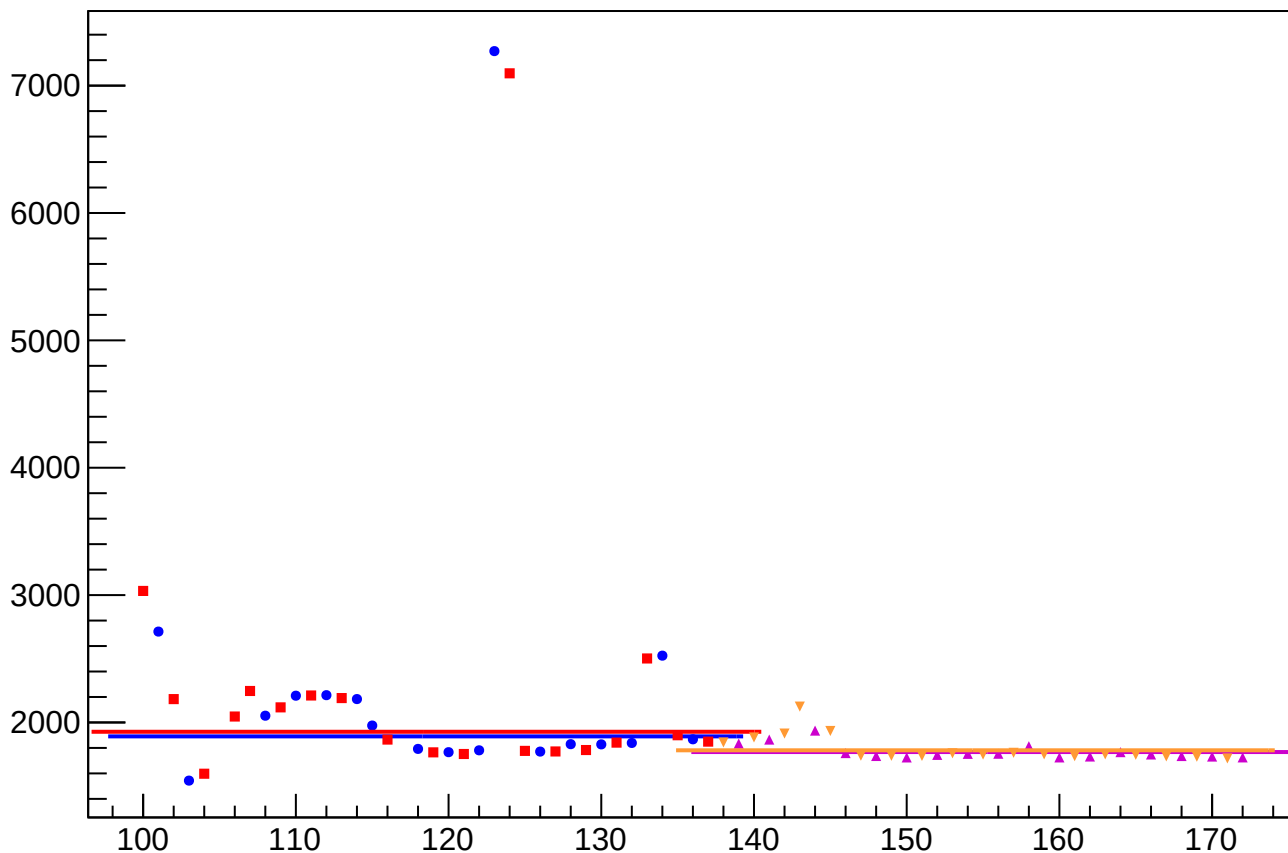
Left In: -2722.179 $\pm$ 486.745 χ^2 /NDF:13.4/16

+ sign 1643.976 $\pm$ 406.786 χ^2 /NDF: 29.8/34

All: -310.387 $\pm$ 287.574 χ^2 /NDF: 109.5/70

- sign -2262.927 $\pm$ 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: 1781.368+/-0.344 χ^2/NDF : 65197.5/17

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

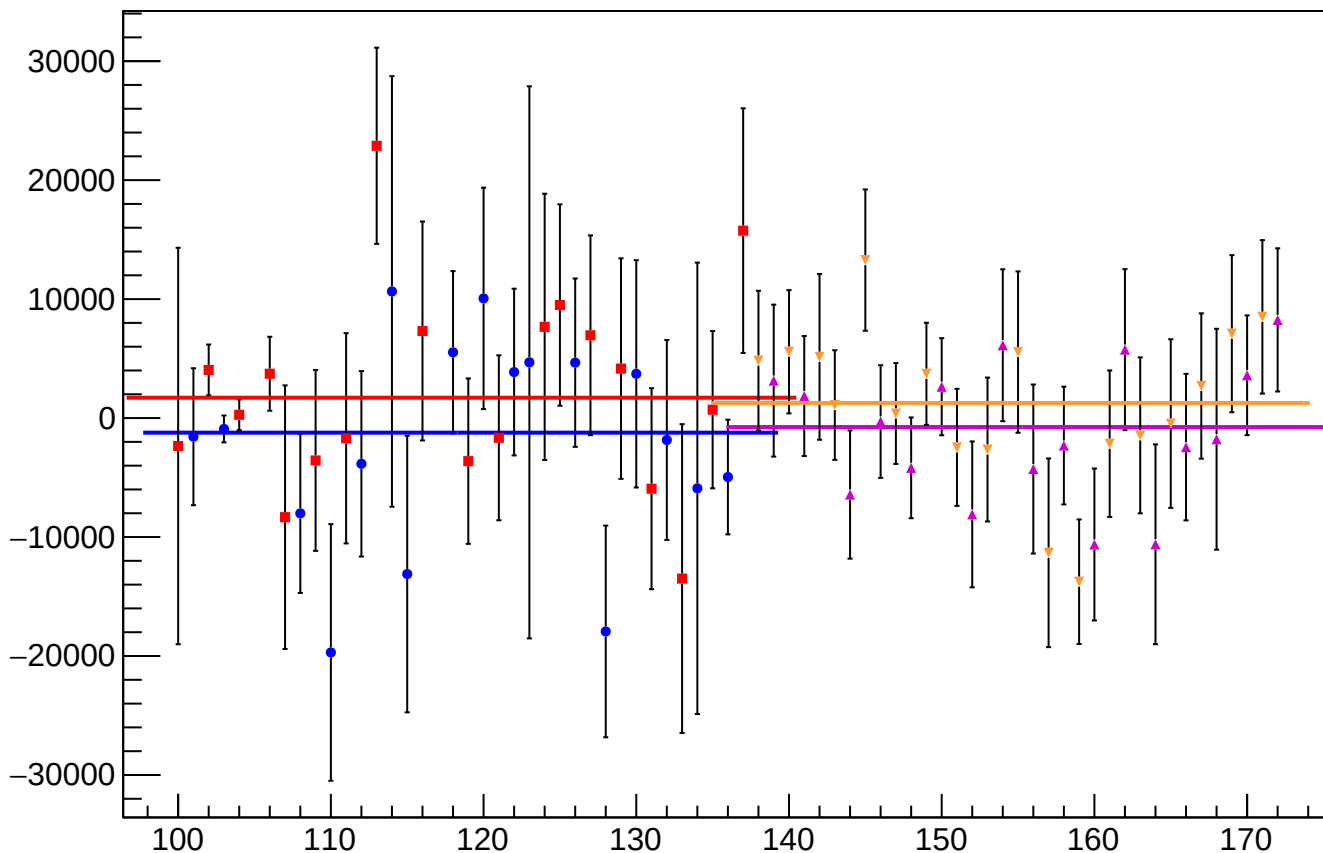
Left In: 1767.717+/-0.344 χ^2/NDF : 26315.8/16

+ sign 1814.146+/-0.288 χ^2/NDF : 384479.2/34

All: 1815.046+/-0.203 χ^2/NDF : 837895.6/70

- 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: 1270.954 $\pm$ 1338.324 χ^2/NDF :20.6/17

Right Out: 1711.747 $\pm$ 941.580 χ^2/NDF : 17.8/18

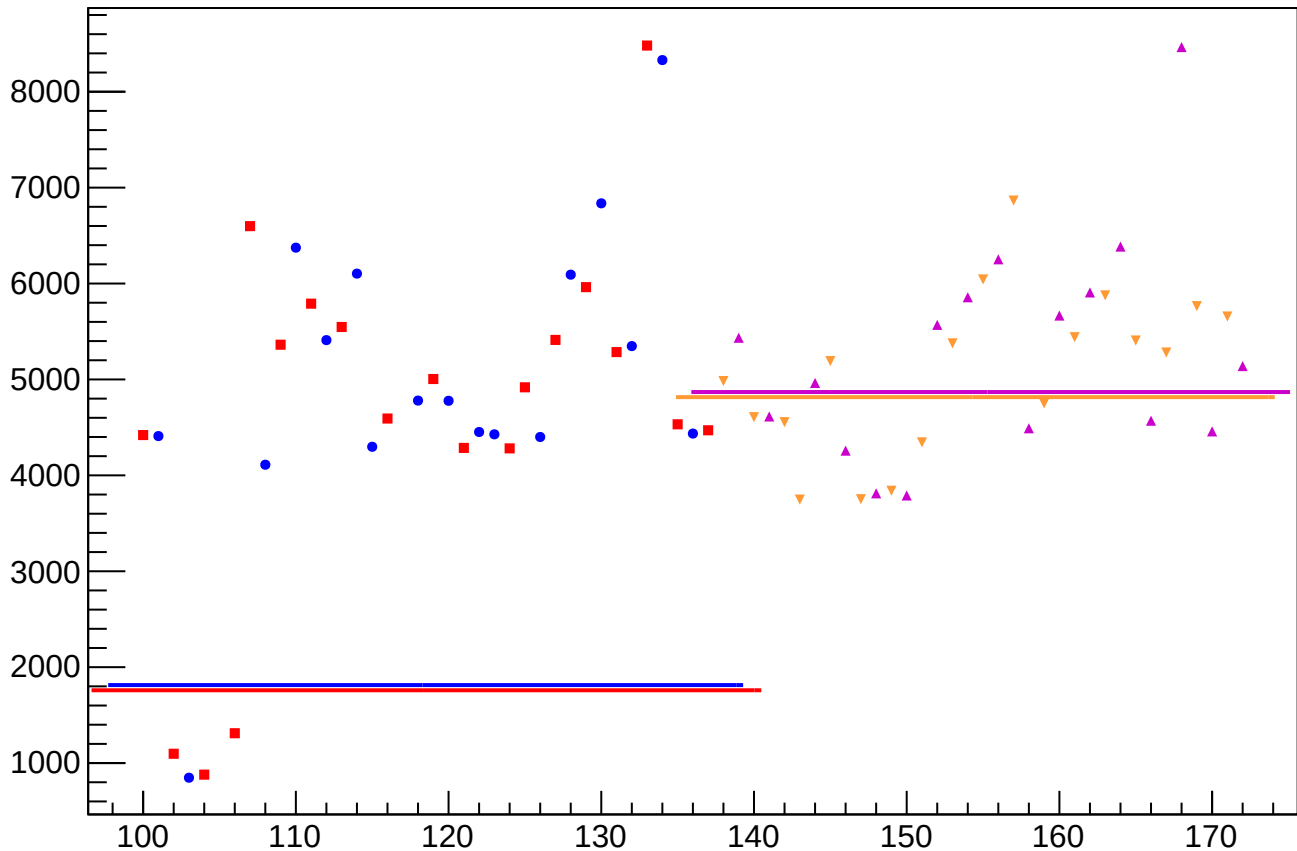
Left In: -753.936 $\pm$ 1365.816 χ^2/NDF :13.8/16

+ sign -349.721 $\pm$ 793.093 χ^2/NDF : 36.7/34

All: 298.291 $\pm$ 554.373 χ^2/NDF : 71.8/70

- 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: 4815.525+/-0.946 χ^2 /NDF: 761344.5/17

Right Out: 1759.135+/-0.666 χ^2 /NDF: 6313068.7/18

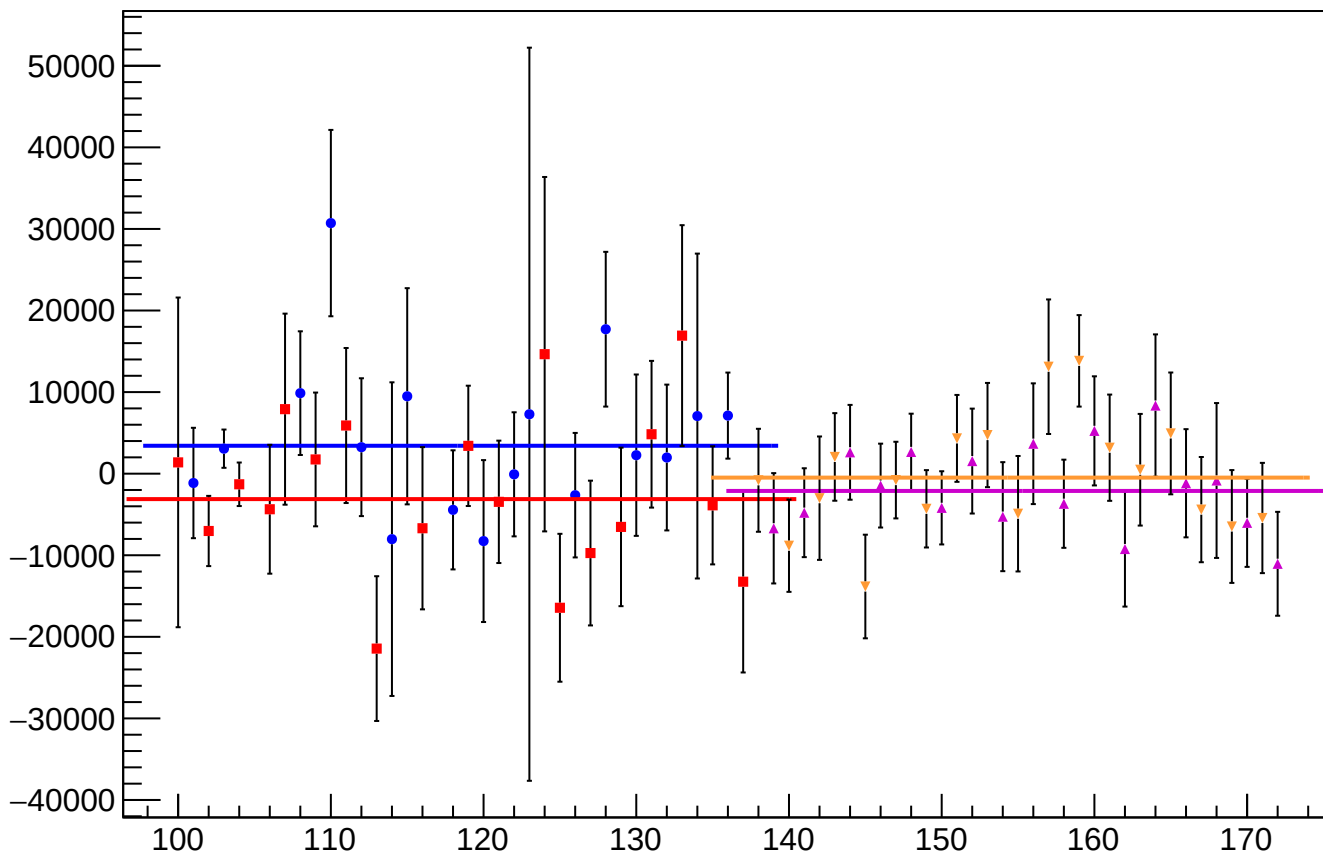
Left In: 4868.680+/-0.966 χ^2 /NDF: 946136.6/16

+ sign 2867.544+/-0.561 χ^2 /NDF: 13740941.0/34

All: 2812.998+/-0.392 χ^2 /NDF: 28045665.0/7

- 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: -483.069+/-1444.769 χ^2/NDF : 21.2/17

Right Out: -3117.857+/-1605.930 χ^2/NDF : 16.0/18

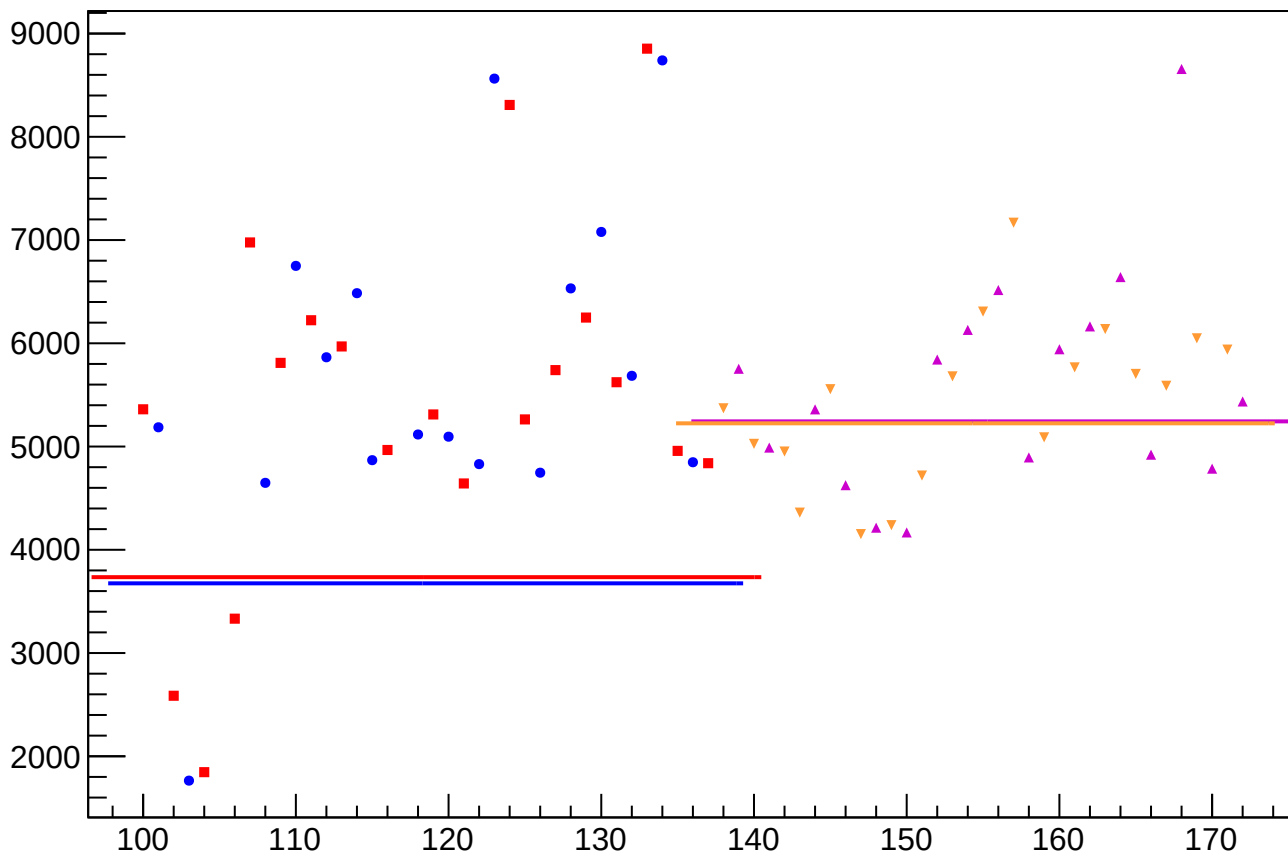
Left In: -2116.558+/-1465.443 χ^2/NDF : 10.1/16

+ sign 1262.516+/-1074.301 χ^2/NDF : 38.2/34

All: -639.935+/-762.525 χ^2/NDF : 70.8/70

- 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: 5224.780+/-1.022 χ^2/NDF : 556299.5/17

Right Out: 3734.796+/-1.128 χ^2/NDF : 2693929.0/18

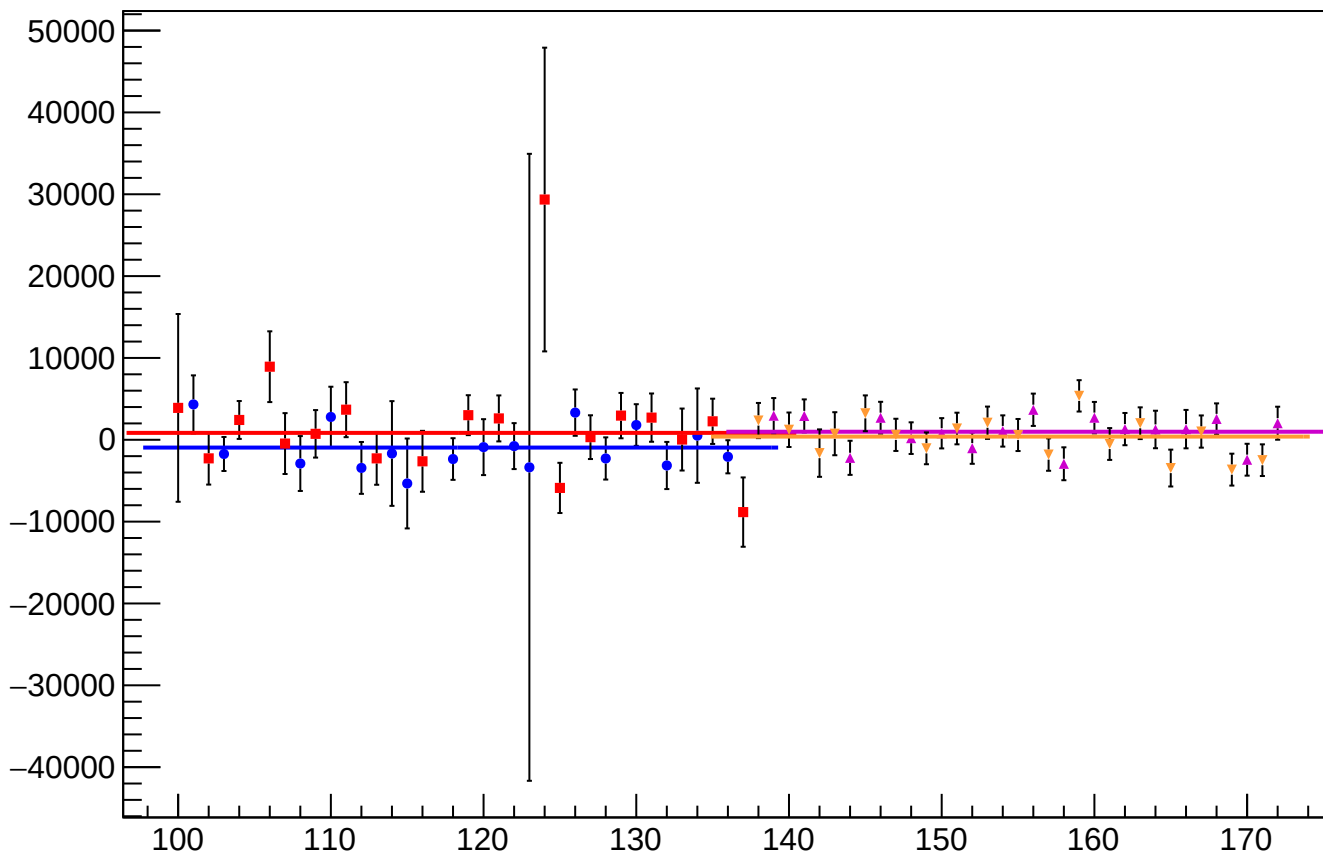
Left In: 5243.762+/-1.036 χ^2/NDF : 763442.3/16

+ sign 4531.891+/-0.760 χ^2/NDF : 4360267.1/34

All: 4542.481+/-0.538 χ^2/NDF : 8788526.5/70

- 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: 390.431+/-484.209 χ^2/NDF : 23.2/17

Right Out: 843.515+/-737.527 χ^2/NDF : 22.5/18

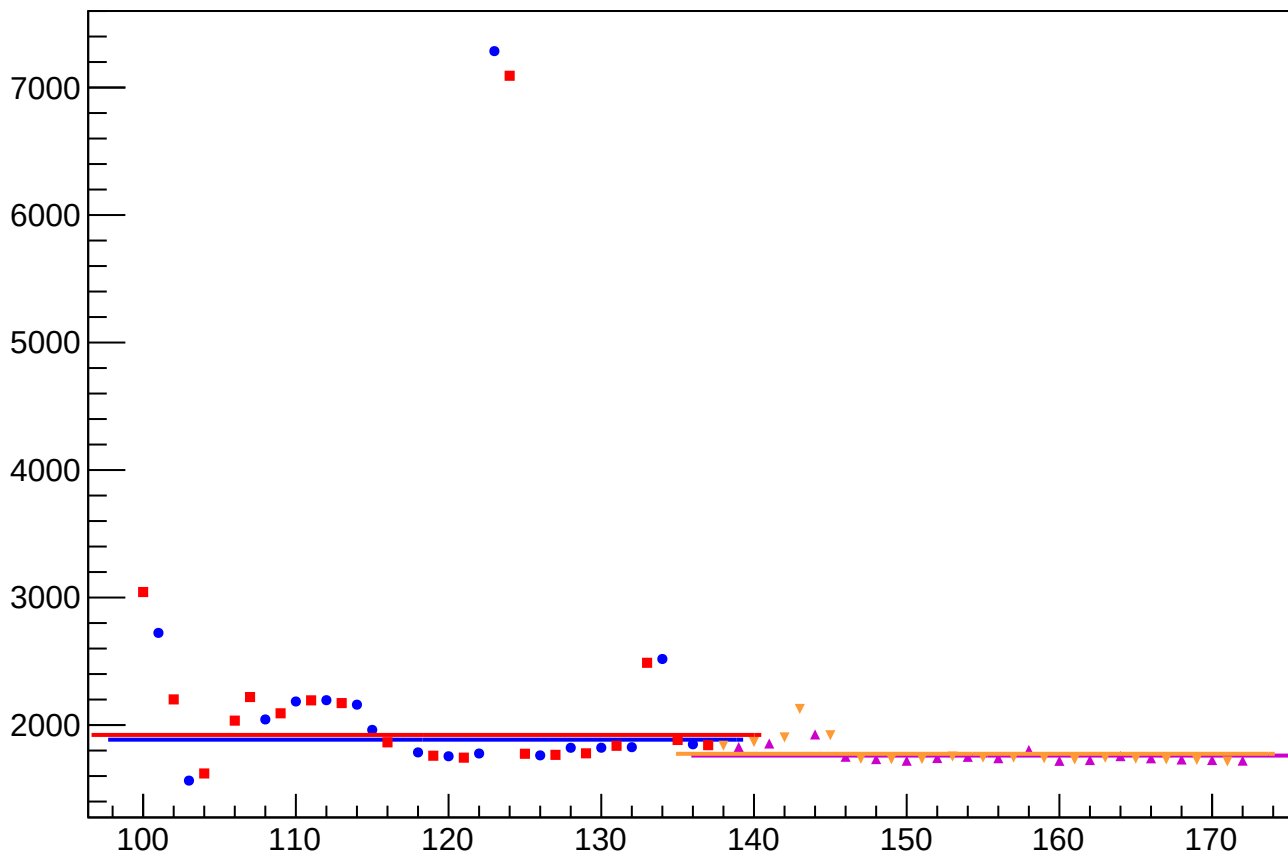
Left In: 982.604+/-484.758 χ^2/NDF : 16.7/16

+ sign -11.330+/-405.287 χ^2/NDF : 35.4/34

All: 464.887+/-286.511 χ^2/NDF : 77.4/70

- 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: 1774.443 ± 0.342 χ^2/NDF : 65022.7/17

Right Out: 1922.538 ± 0.521 χ^2/NDF : 351512.1/18

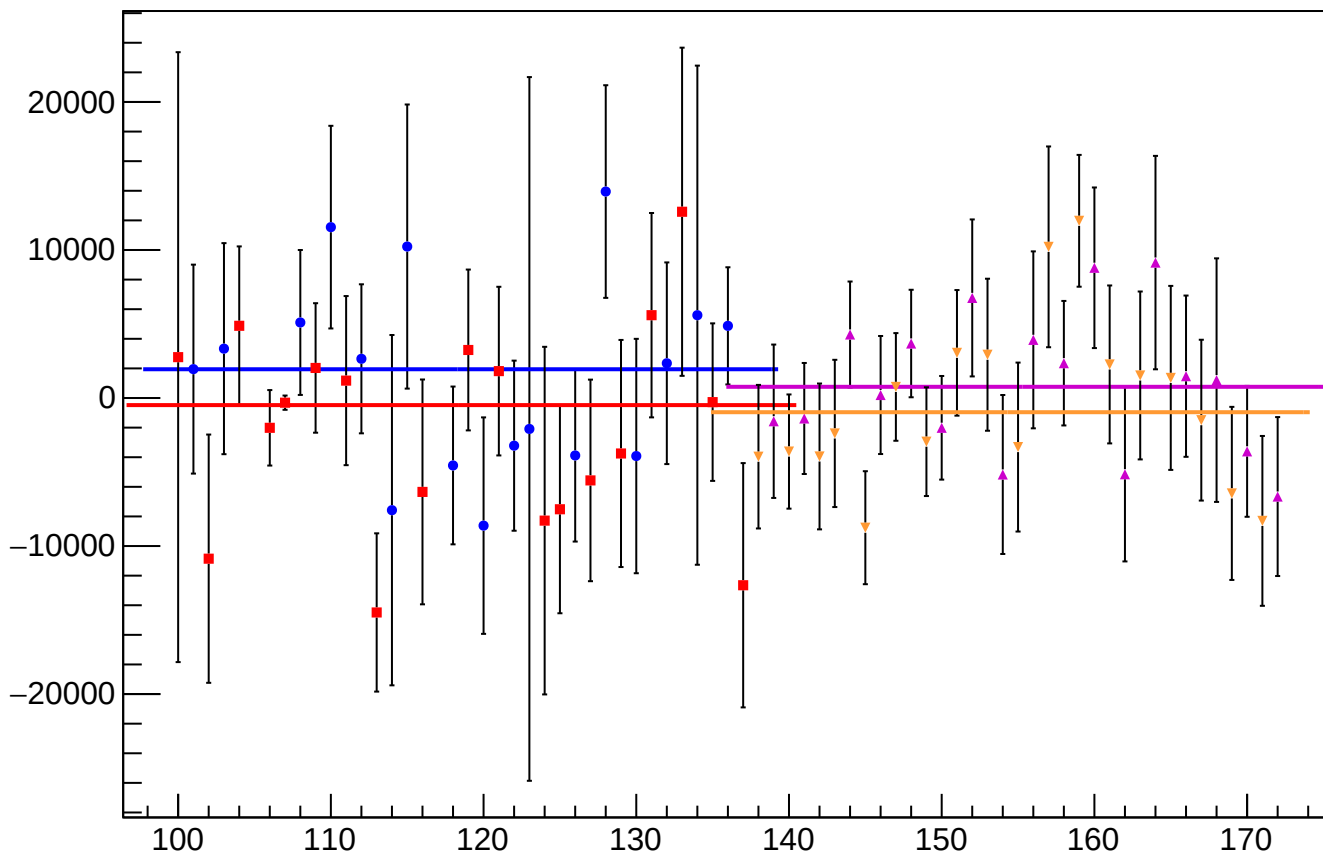
Left In: 1760.530 ± 0.343 χ^2/NDF : 25474.8/16

+ sign 1807.654 ± 0.287 χ^2/NDF : 376874.0/34

All: 1808.583 ± 0.203 χ^2/NDF : 821420.5/70

- 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: -958.580+/-1123.847 χ^2/NDF : 22.0/17

Right Out: -478.828+/-453.684 χ^2/NDF : 18.1/18

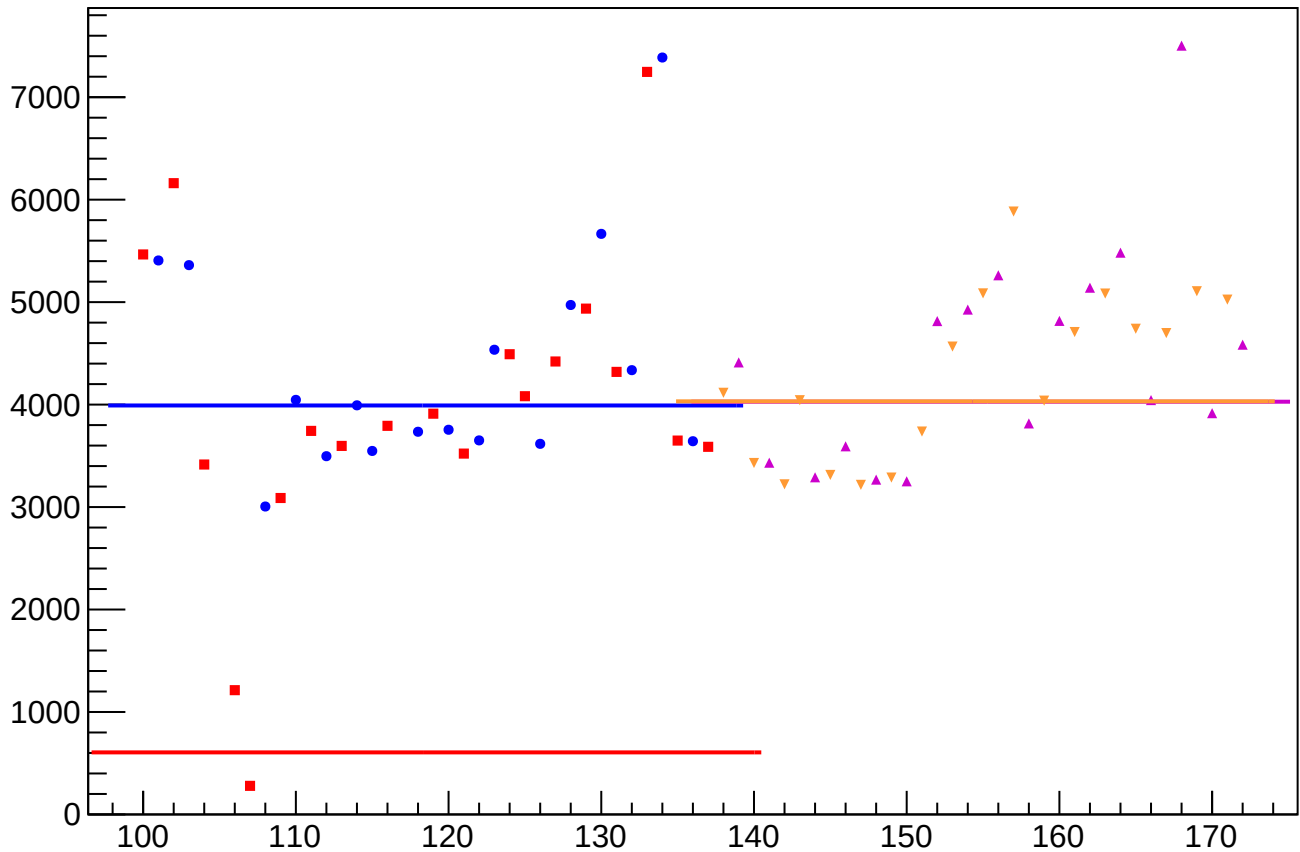
Left In: 757.314+/-1133.750 χ^2/NDF : 13.2/16

+ sign 15.437+/-916.012 χ^2/NDF : 37.4/34

All: -251.718+/-382.691 χ^2/NDF : 69.8/70

- 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: 4031.796+/-0.795 χ^2/NDF : 889813.0/17

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

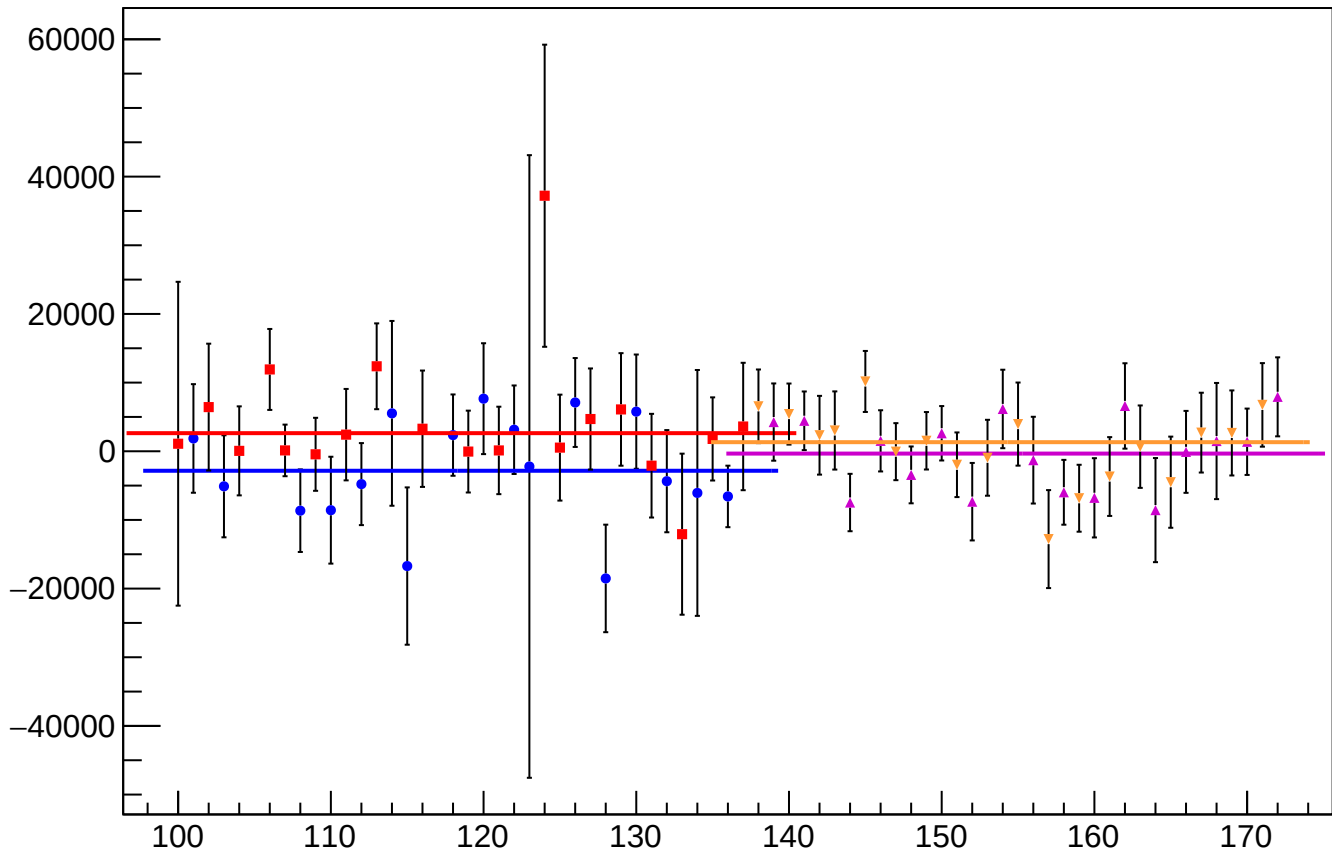
Left In: 4028.168+/-0.802 χ^2/NDF : 1121450.1/16

+ sign 4018.242+/-0.648 χ^2/NDF : 1401462.4/34

All: 1591.291+/-0.271 χ^2/NDF : 45486932.4/7

- 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: 1323.762 ± 1247.302 χ^2/NDF : 16.0/17

Right Out: 2637.071 ± 1575.105 χ^2/NDF : 11.2/18

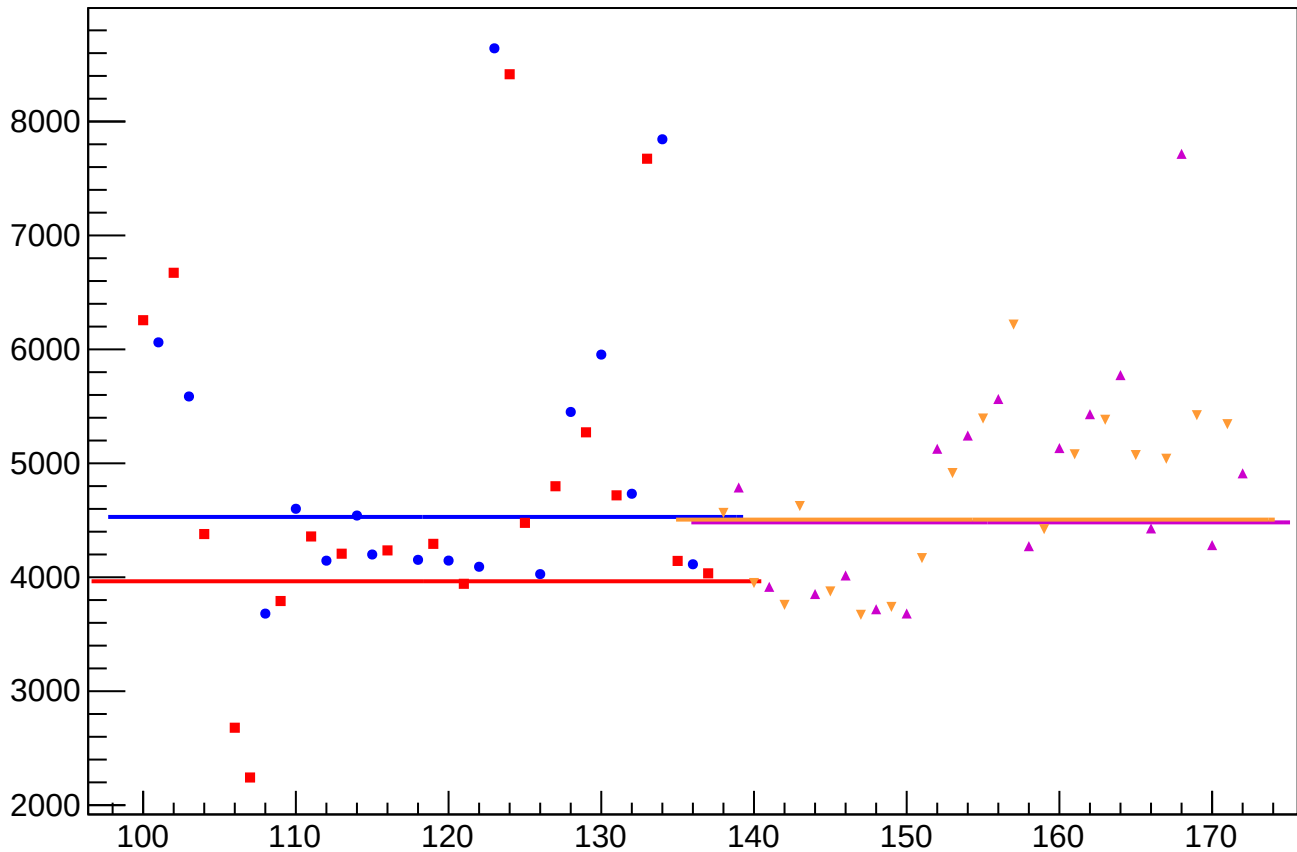
Left In: -337.968 ± 1253.556 χ^2/NDF : 16.3/16

+ sign -41.115 ± 1022.612 χ^2/NDF : 35.1/34

All: 405.136 ± 707.867 χ^2/NDF : 65.1/70

- 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: 4506.027+/-0.882 χ^2/NDF : 610415.7/17

Right Out: 3964.829+/-1.107 χ^2/NDF : 1140409.6/18

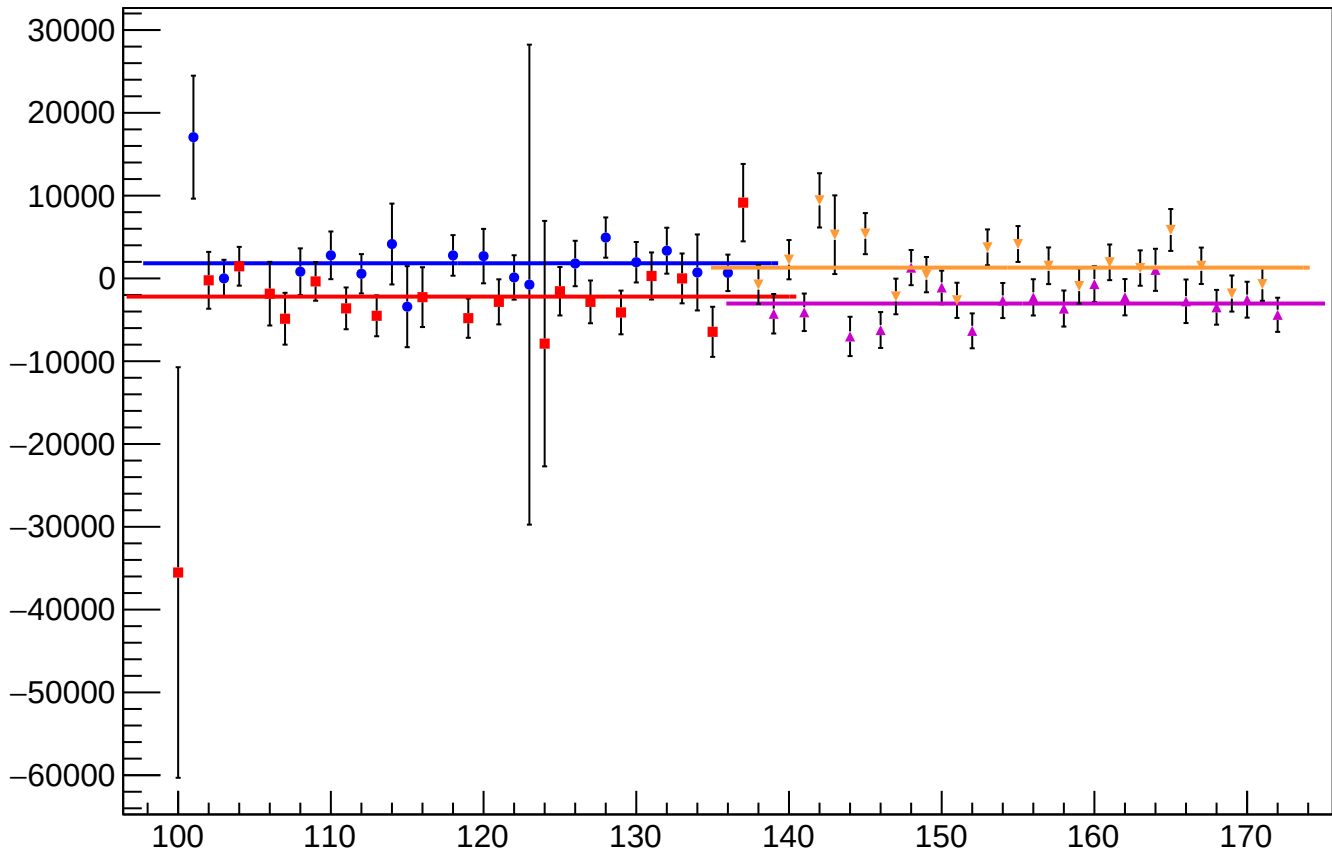
Left In: 4481.729+/-0.886 χ^2/NDF : 819227.7/16

+ sign 4513.710+/-0.723 χ^2/NDF : 999973.3/34

All: 4391.543+/-0.500 χ^2/NDF : 3147186.6/70

- sign 4279.712+/-0.692 χ^2/NDF : 2092540.5/35

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102 ± 711.335 χ^2/NDF : 9.7/16

Left Out: 1304.355 ± 540.608 χ^2/NDF : 27.2/17

Right Out: -2198.063 ± 684.205 χ^2/NDF : 18.3/18

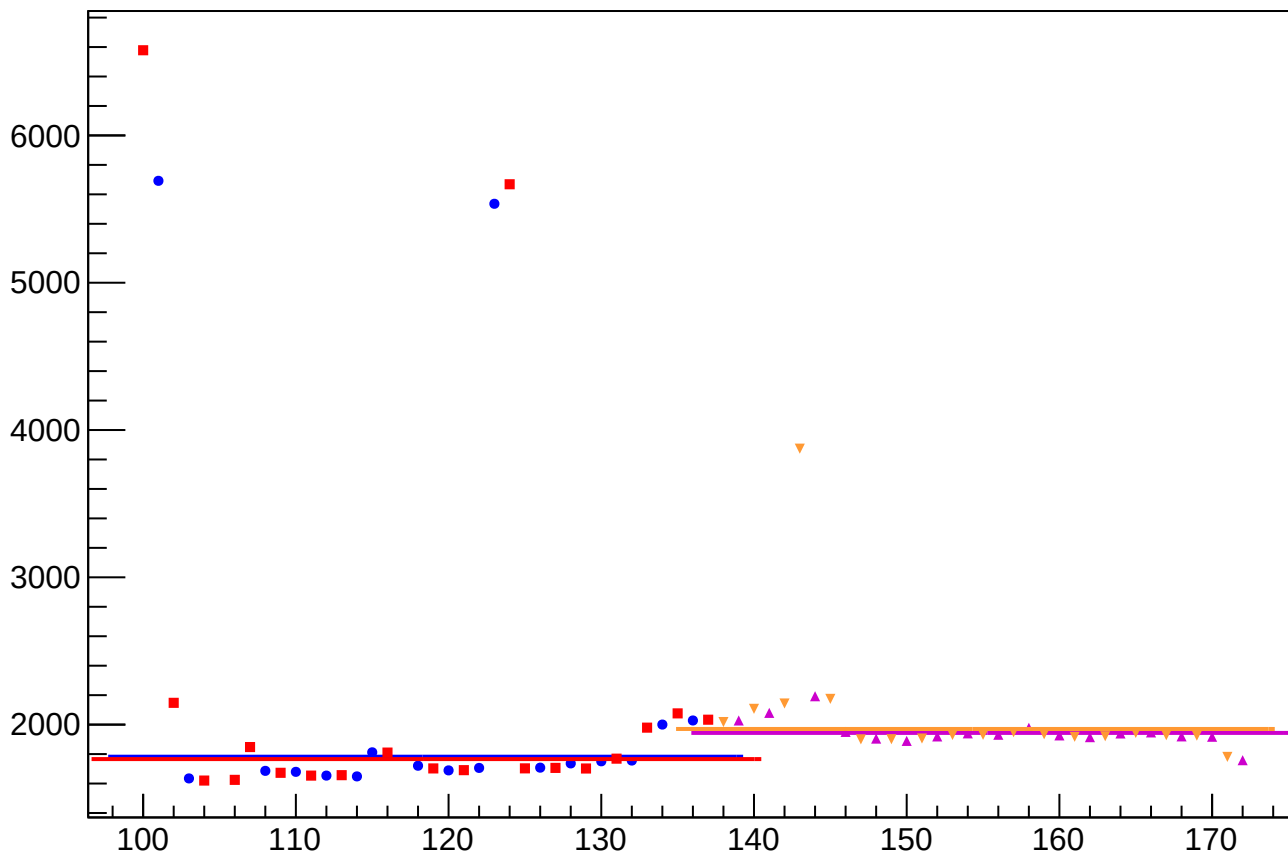
Left In: -3033.381 ± 535.450 χ^2/NDF : 17.6/16

+ sign 1496.842 ± 430.413 χ^2/NDF : 37.2/34

All: -652.838 ± 301.211 χ^2/NDF : 123.0/70

- sign -2716.108 ± 421.674 χ^2/NDF : 36.9/35

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 1970.480+/-0.382 χ^2/NDF : 377313.8/17

Right Out: 1765.967+/-0.480 χ^2/NDF : 306798.2/18

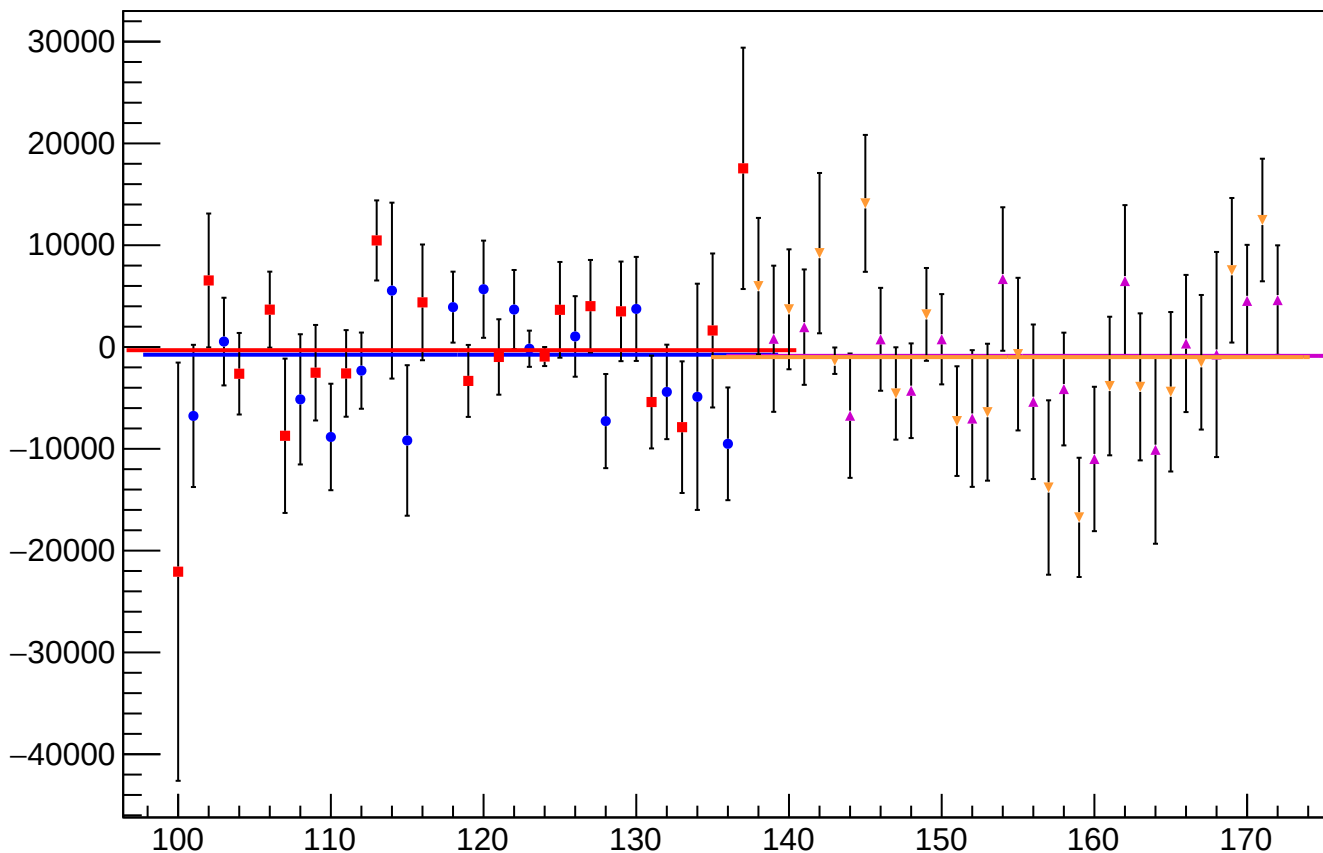
Left In: 1943.693+/-0.379 χ^2/NDF : 51846.1/16

+ sign 1901.524+/-0.304 χ^2/NDF : 1111379.3/34

All: 1888.268+/-0.213 χ^2/NDF : 1558135.9/70

- sign 1875.612+/-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: -991.008 ± 988.626 χ^2/NDF : 28.4/17

Right Out: -311.405 ± 725.132 χ^2/NDF : 22.0/18

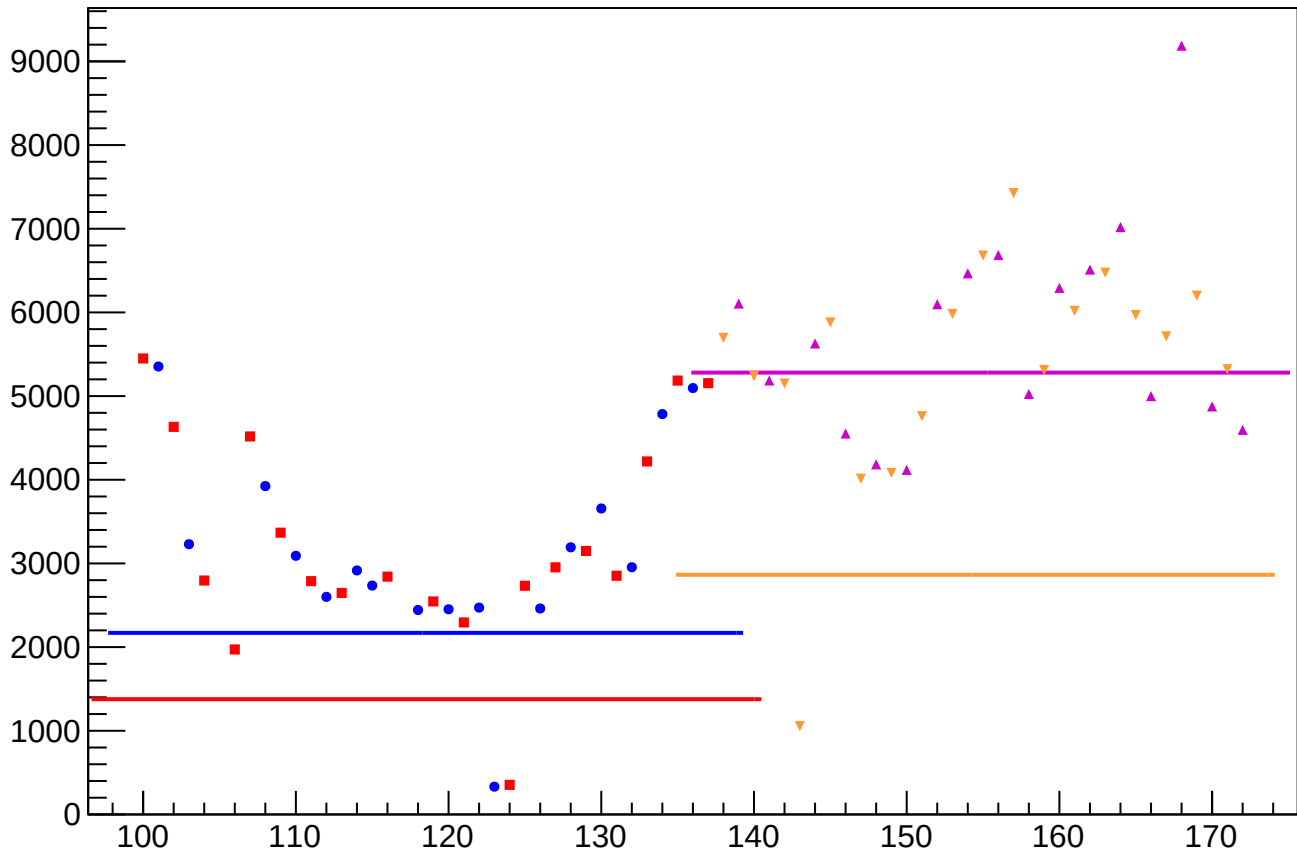
Left In: -867.500 ± 1482.639 χ^2/NDF : 10.7/16

+ sign -874.585 ± 705.994 χ^2/NDF : 45.4/34

All: -628.361 ± 478.747 χ^2/NDF : 78.5/70

- 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: 2864.395+/-0.699 χ^2/NDF :9902673.2/17

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

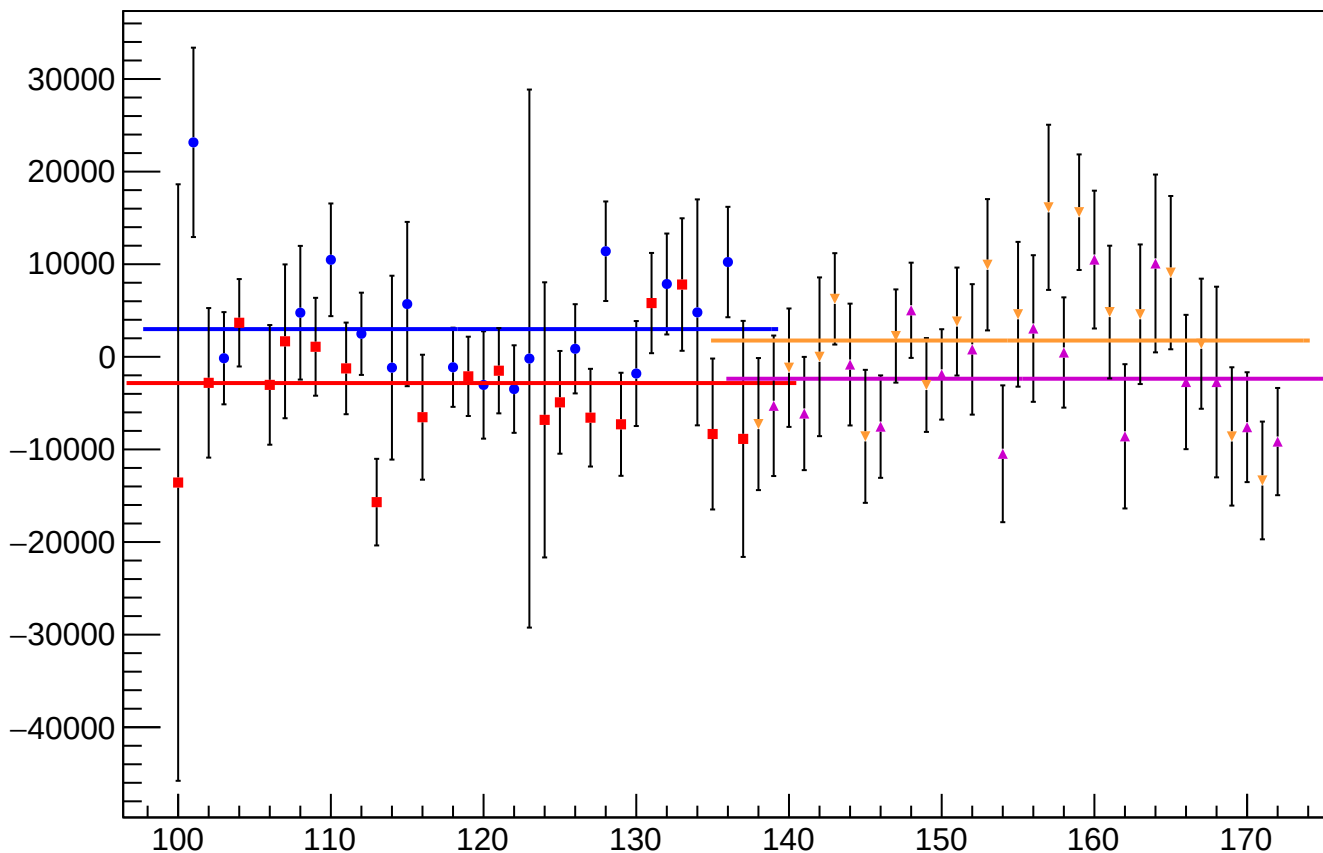
Left In: 5280.849+/-1.048 χ^2/NDF :996505.8/16

+ sign 2524.234+/-0.499 χ^2/NDF : 14359576.5/34

All: 2311.897+/-0.339 χ^2/NDF : 33723524.9/7

- 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: 1759.106 $\pm$ 1552.041 χ^2 /NDF:23.5/17

Right Out: -2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

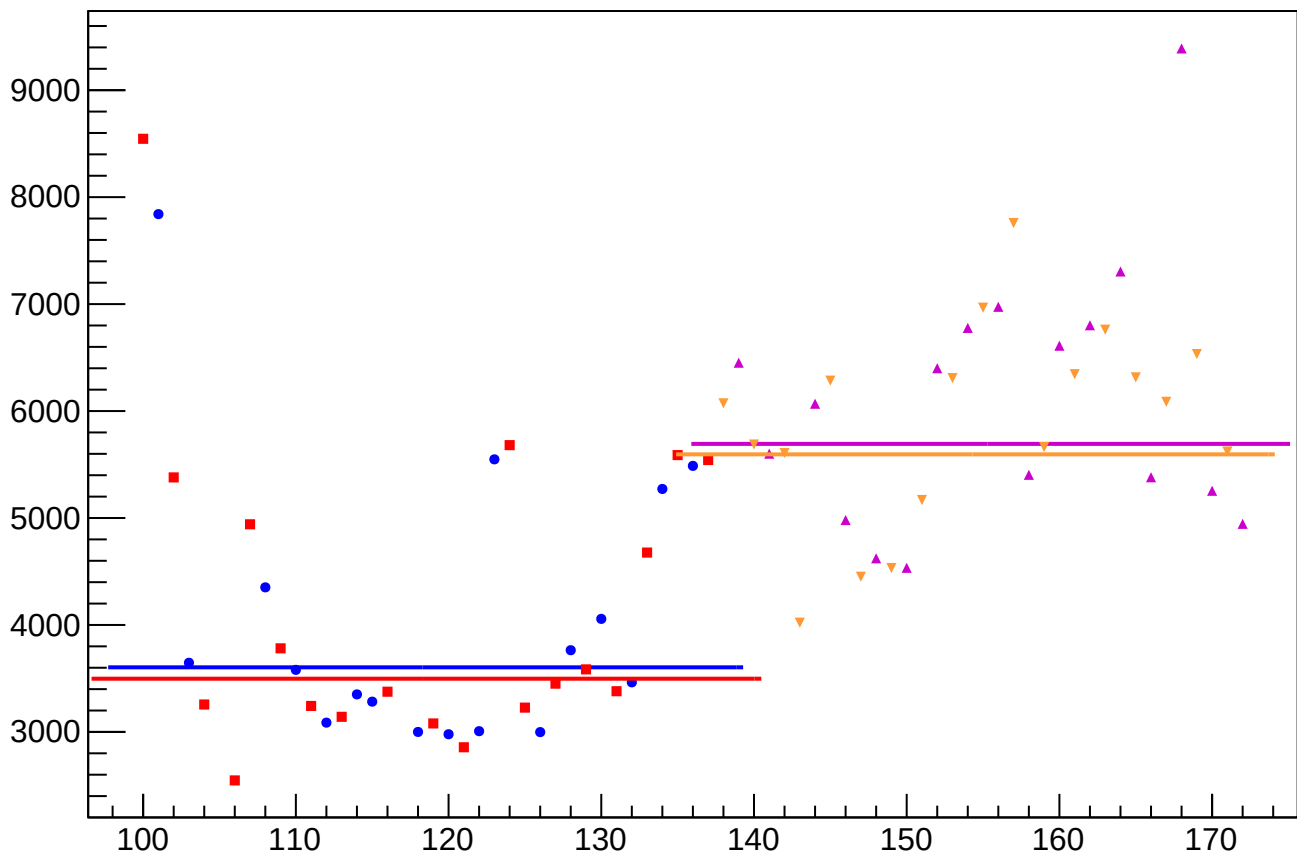
Left In: -2367.145 $\pm$ 1592.254 χ^2 /NDF:13.1/16

+ sign 2419.024 $\pm$ 1058.454 χ^2 /NDF: 39.5/34

All: -145.746 $\pm$ 742.718 χ^2 /NDF: 81.9/70

- 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: 5595.253 ± 1.097 χ^2/NDF : 759059.2/17

Right Out: 3497.586 ± 0.962 χ^2/NDF : 661898.6/18

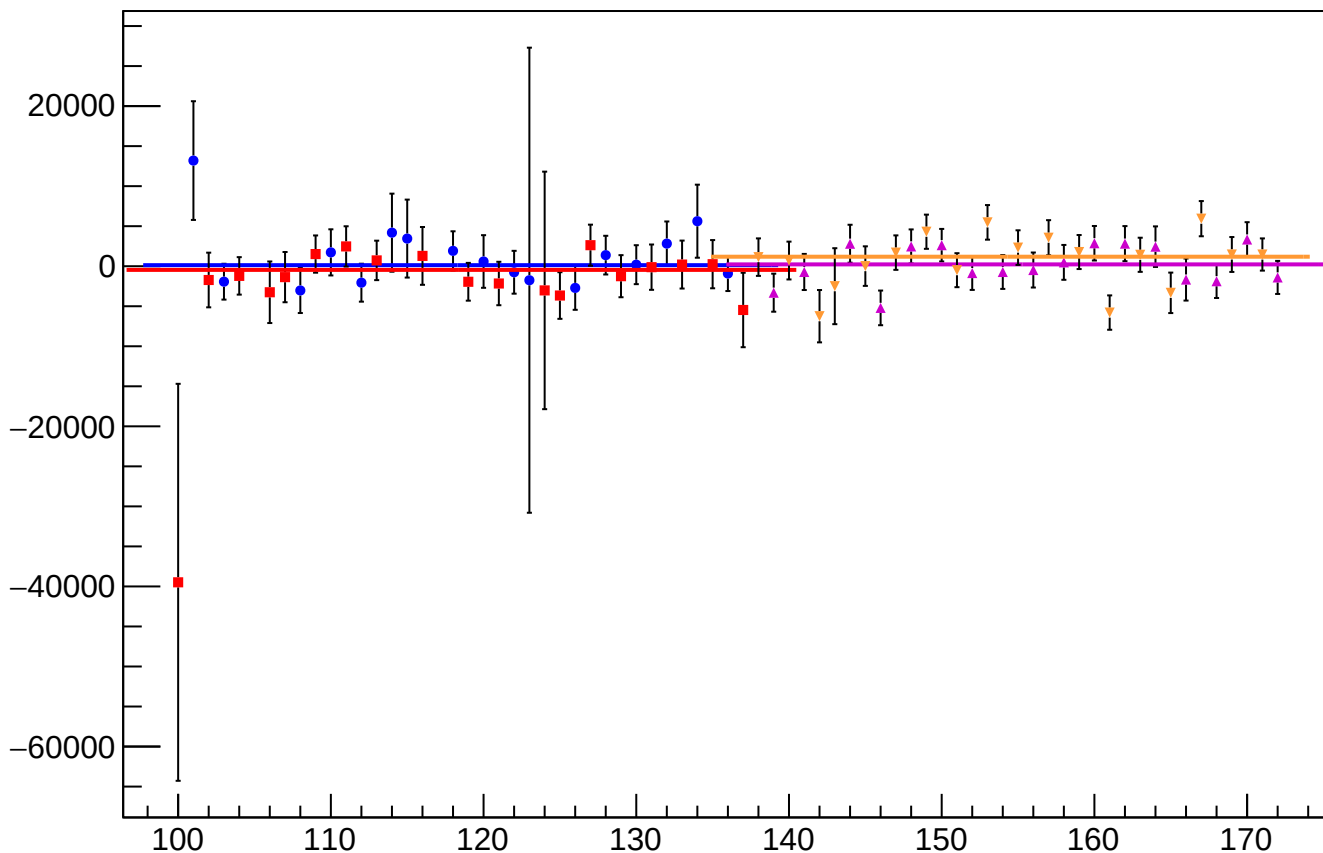
Left In: 5693.082 ± 1.126 χ^2/NDF : 812930.9/16

+ sign 4530.069 ± 0.748 χ^2/NDF : 3304857.7/34

All: 4475.612 ± 0.523 χ^2/NDF : 6988673.0/70

- sign 4423.633 ± 0.731 χ^2/NDF : 3673467.9/35

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1187.536 $\pm$ 539.506 χ^2 /NDF:32.8/17

Right Out: -459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

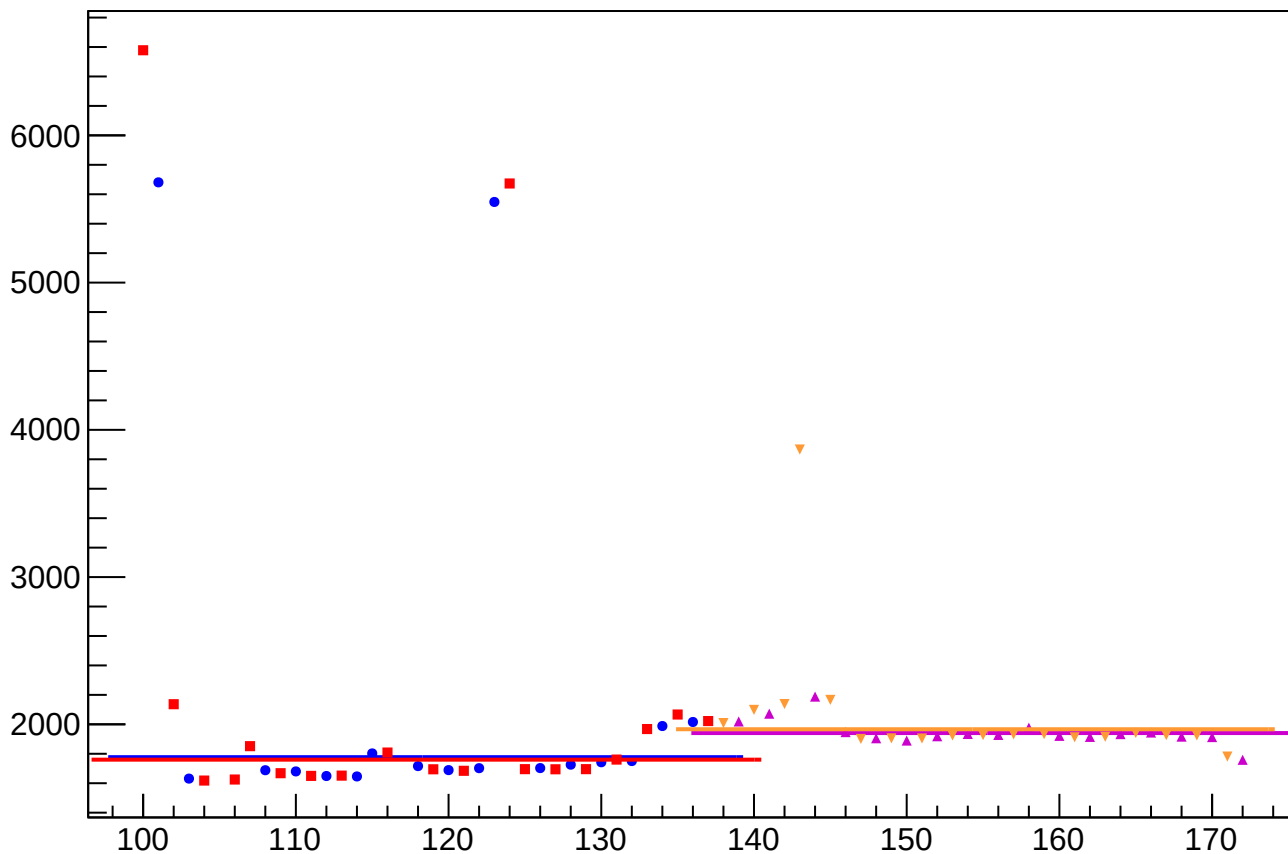
Left In: 228.104 $\pm$ 534.596 χ^2 /NDF:20.9/16

+ sign 800.216 $\pm$ 429.386 χ^2 /NDF: 46.4/34

All: 374.848 $\pm$ 300.505 χ^2 /NDF: 80.5/70

- sign -33.491 $\pm$ 420.703 χ^2 /NDF: 32.2/35

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 1966.622+/-0.381 χ^2/NDF : 374837.5/17

Right Out: 1759.990+/-0.479 χ^2/NDF : 306154.6/18

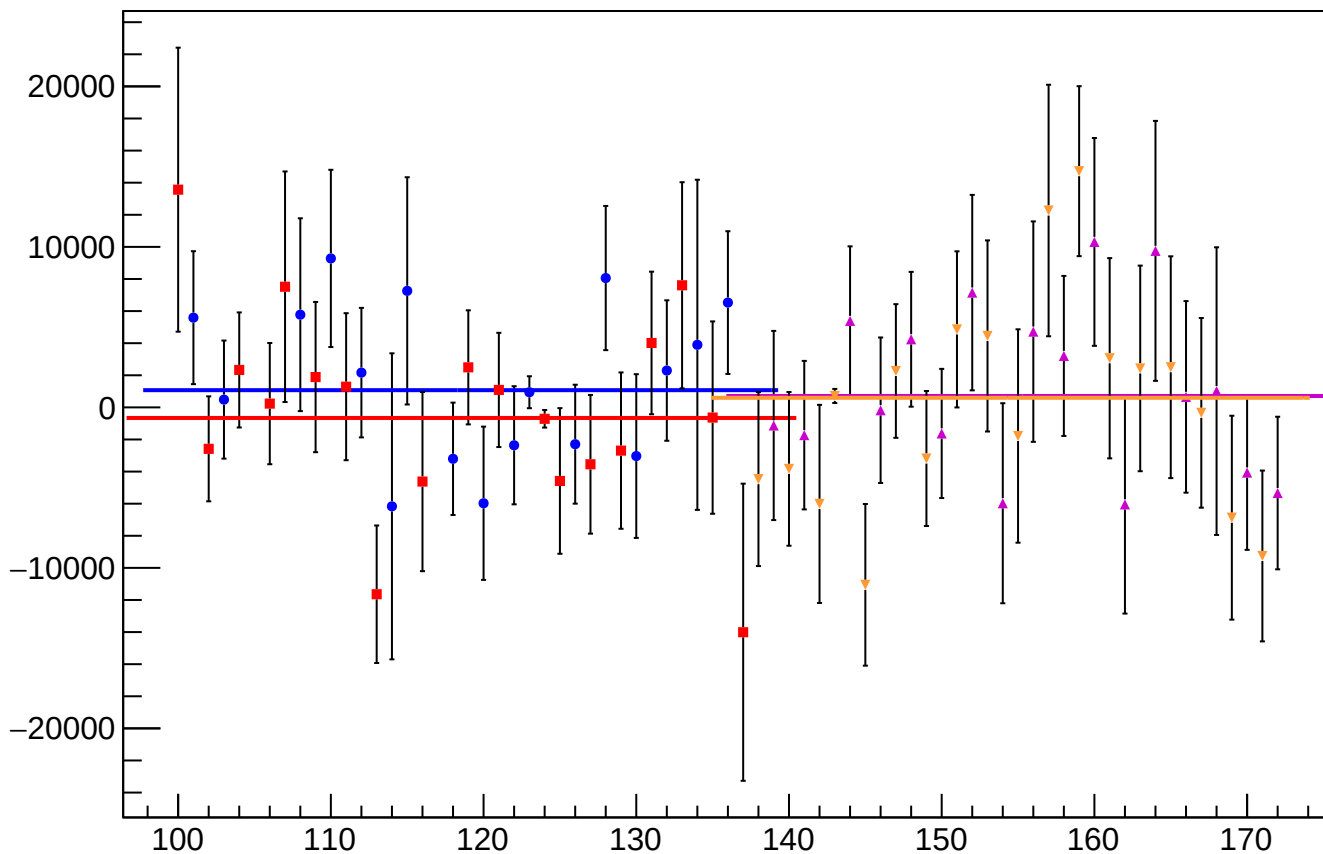
Left In: 1940.671+/-0.378 χ^2/NDF : 50092.2/16

+ sign 1897.069+/-0.304 χ^2/NDF : 1109095.7/34

All: 1883.889+/-0.212 χ^2/NDF : 1556736.1/70

- 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: 596.664+/-416.903 χ^2/NDF : 25.1/17

Right Out: -658.759+/-488.034 χ^2/NDF : 19.8/18

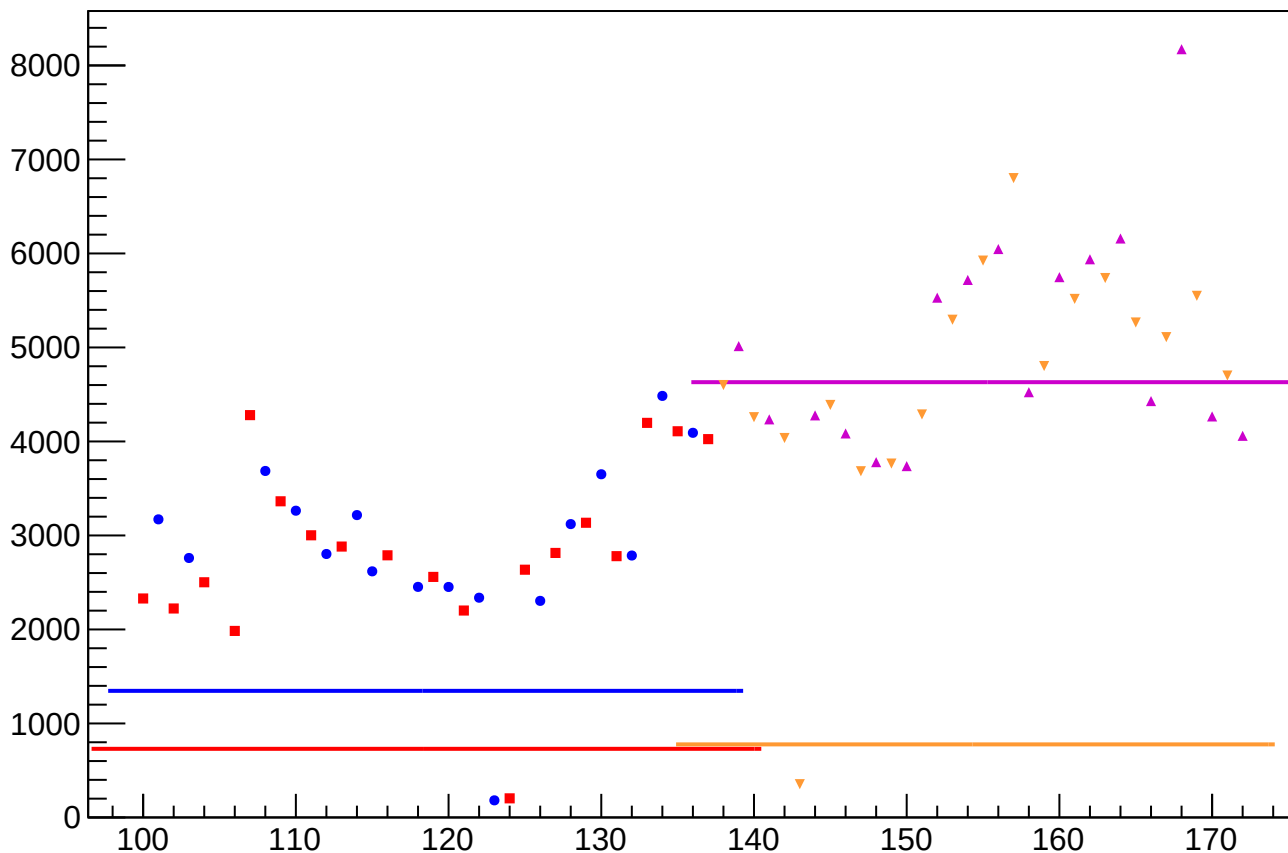
Left In: 709.713+/-1299.957 χ^2/NDF : 12.4/16

+ sign 708.395+/-364.651 χ^2/NDF : 40.9/34

All: 242.195+/-285.008 χ^2/NDF : 78.3/70

- sign -489.709+/-456.897 χ^2/NDF : 33.1/35

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 777.348 $\pm$ 0.295 χ^2 /NDF: 19701254.0/17

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

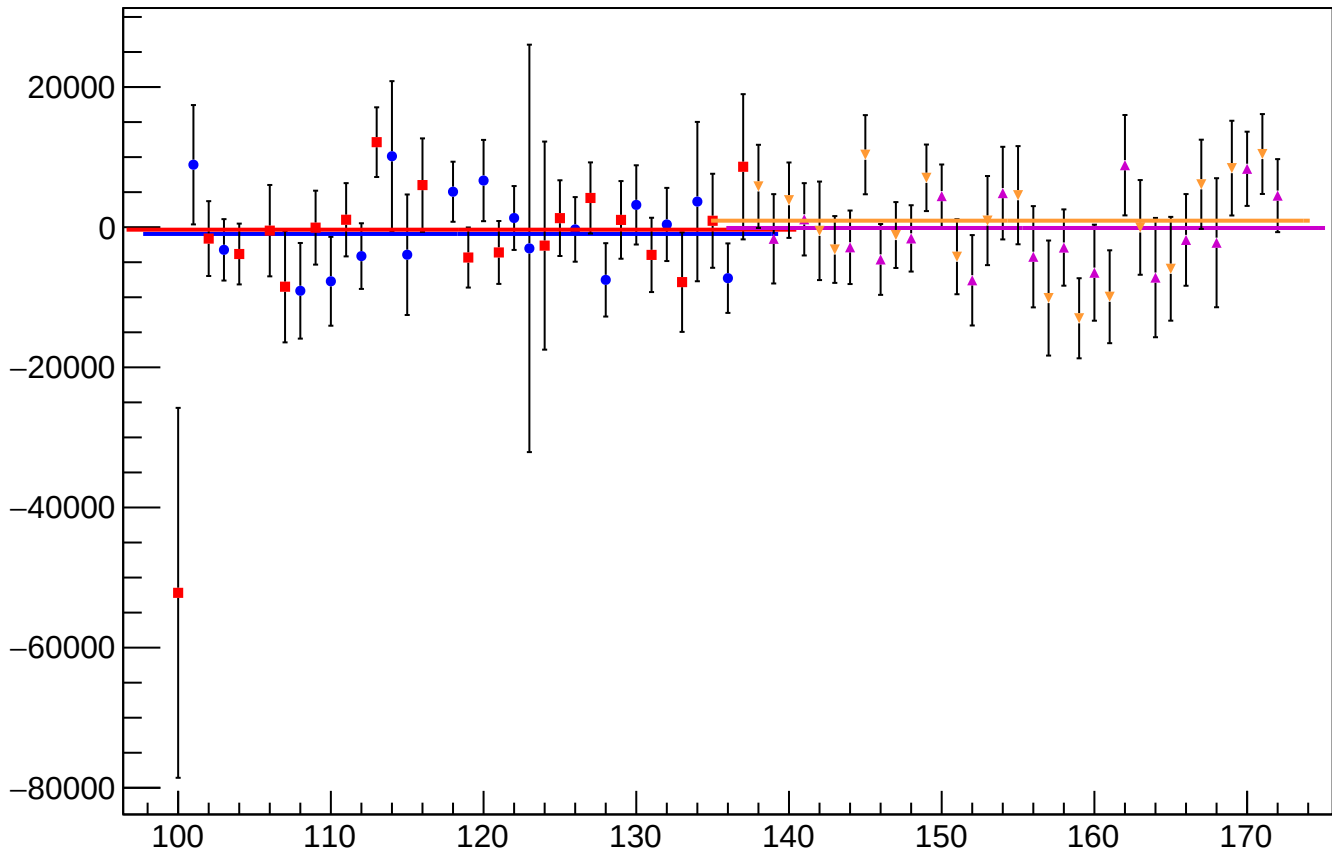
Left In: 4630.598 $\pm$ 0.919 χ^2 /NDF: 994443.1/16

+ sign 911.155 $\pm$ 0.258 χ^2 /NDF: 27417213.7/34

All: 1028.200 $\pm$ 0.202 χ^2 /NDF: 54225661.9/7

- sign 1211.952 $\pm$ 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: 929.315 ± 1395.112 χ^2/NDF : 23.6/17

Right Out: -354.646 ± 1329.760 χ^2/NDF : 17.6/18

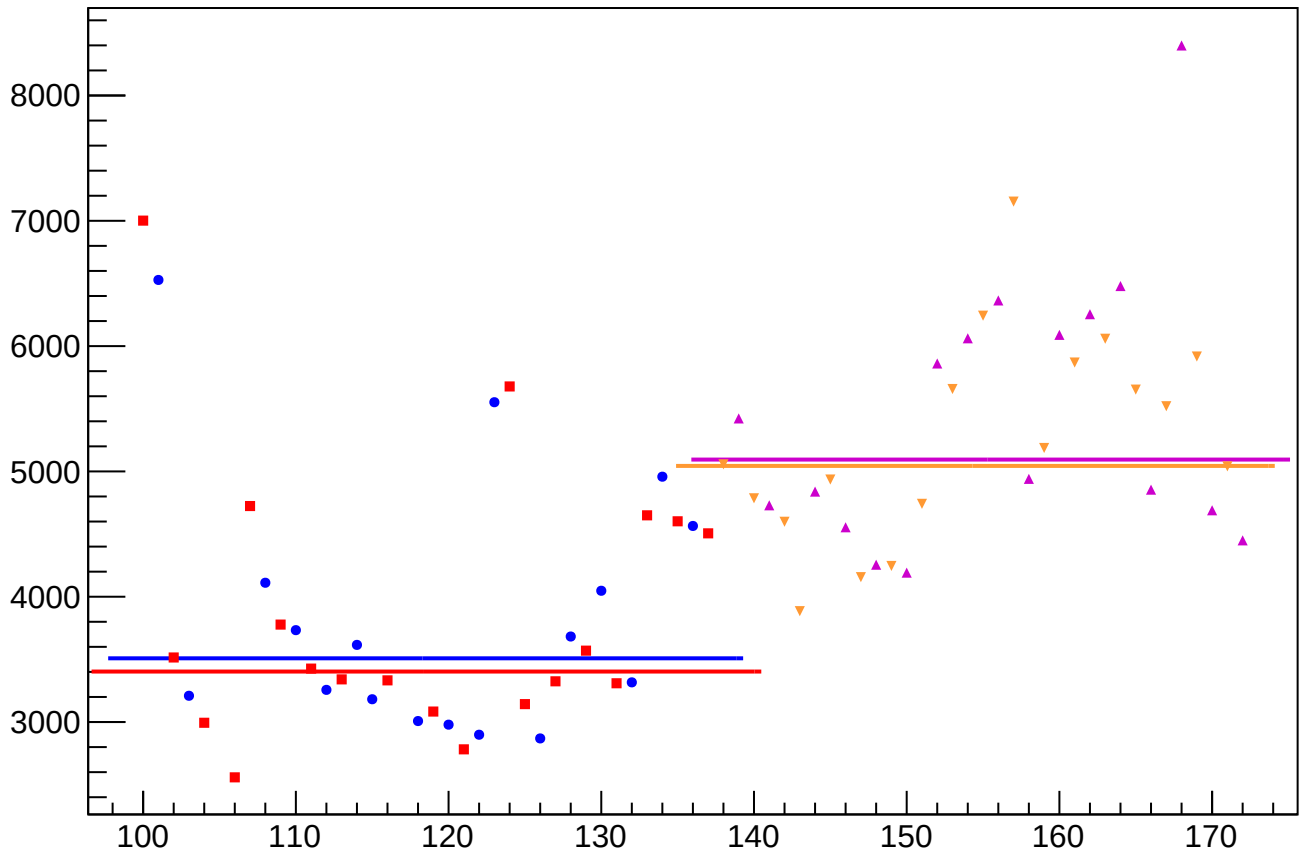
Left In: -114.524 ± 1423.528 χ^2/NDF : 11.4/16

+ sign -17.069 ± 986.675 χ^2/NDF : 38.2/34

All: -131.632 ± 692.345 χ^2/NDF : 67.2/70

- 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: 5043.941+/-0.986 χ^2 /NDF:610620.8/17

Right Out: 3402.883+/-0.928 χ^2 /NDF: 428556.1/18

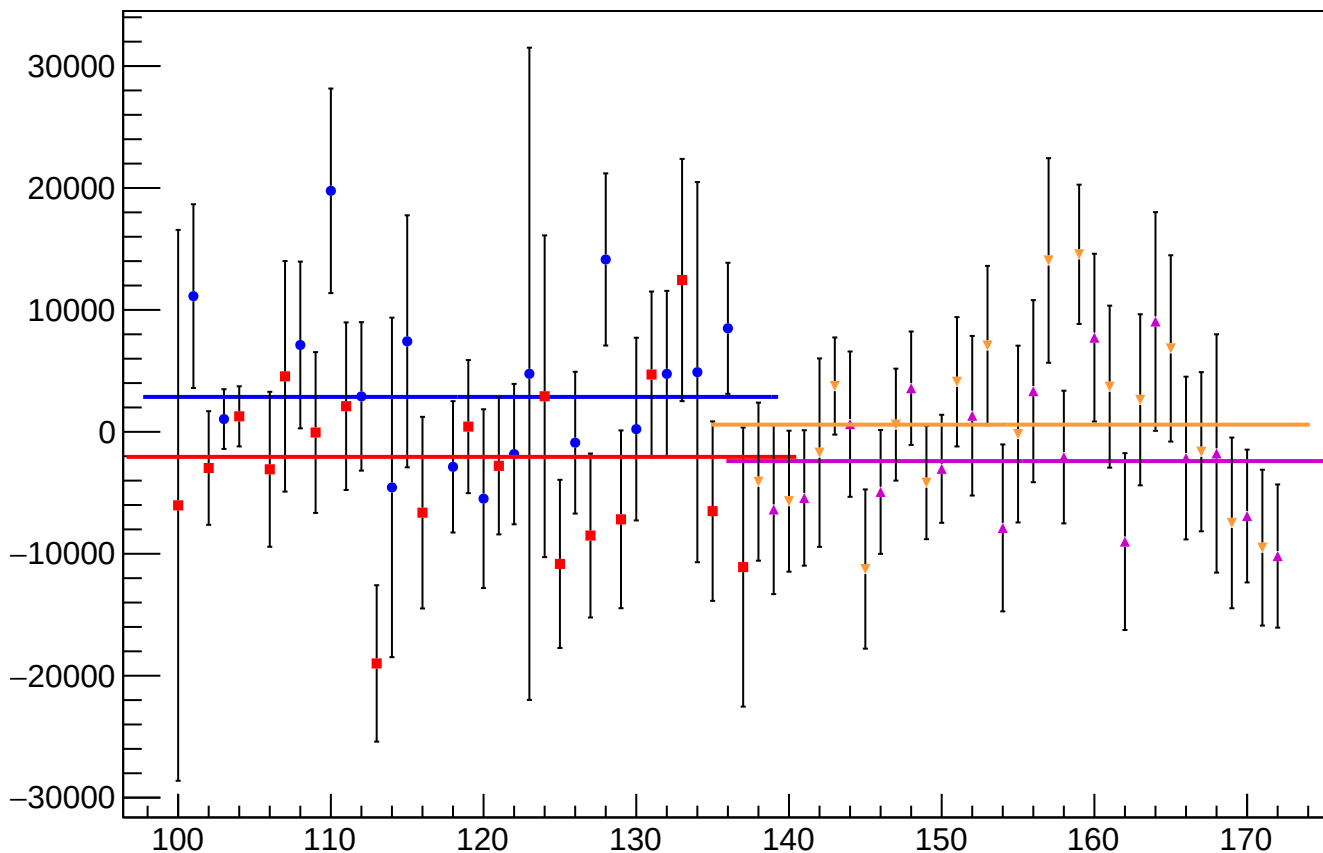
Left In: 5094.562+/-1.007 χ^2 /NDF:770489.2/16

+ sign 4276.490+/-0.698 χ^2 /NDF: 2383695.1/34

All: 4227.283+/-0.488 χ^2 /NDF: 5119072.9/70

- 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+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 591.816+/-1411.193 χ^2/NDF : 21.7/17

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

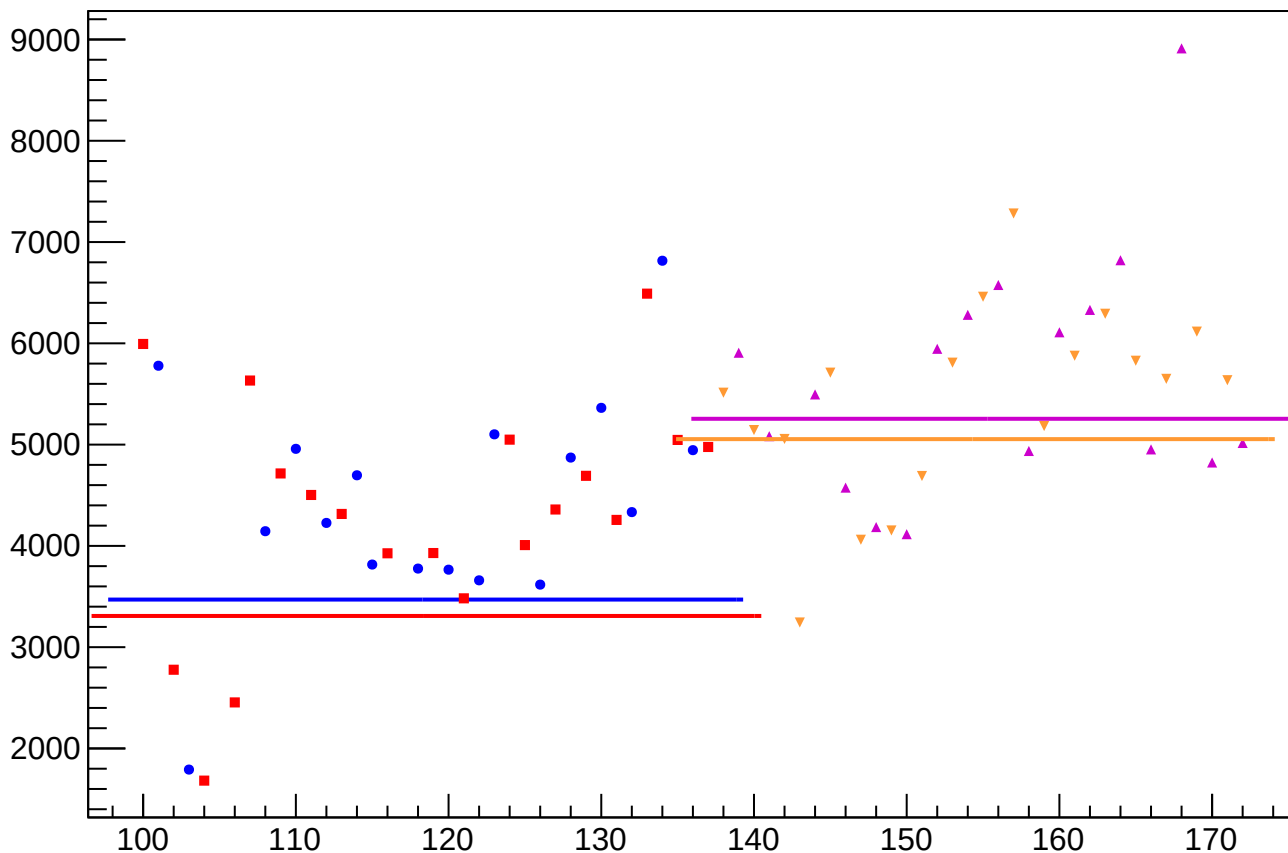
Left In: -2398.540+/-1471.492 χ^2/NDF : 11.4/16

+ sign 1695.391+/-1012.206 χ^2/NDF : 37.0/34

All: -268.945+/-713.965 χ^2/NDF : 73.6/70

- sign -2213.940+/-1007.210 χ^2/NDF : 29.1/35

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 5054.207+/-0.998 χ^2/NDF : 1058839.2/17

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 4285.037+/-0.716 χ^2/NDF : 4043414.2/34

All: 4247.866+/-0.504 χ^2/NDF : 8704896.3/70

- sign 4211.419+/-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

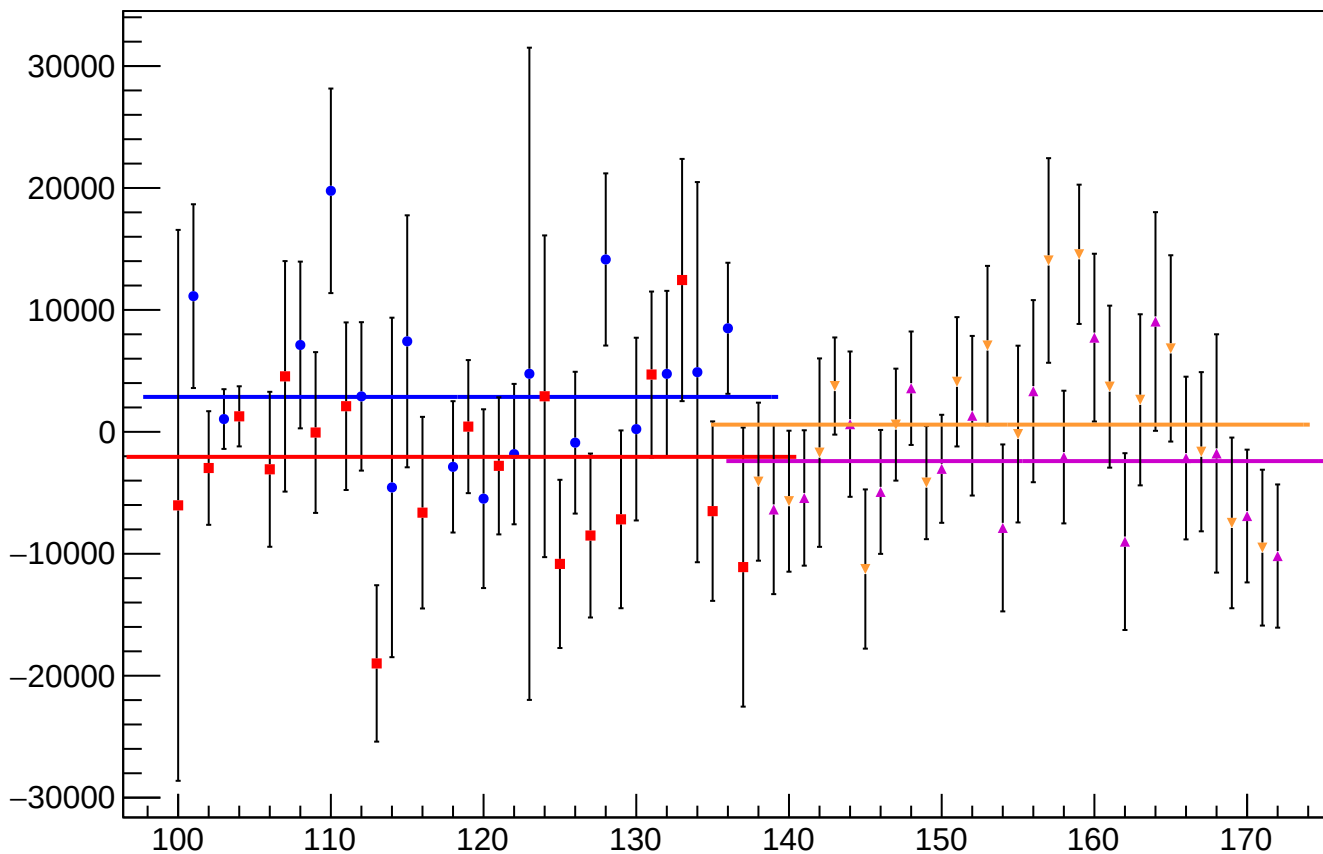
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ 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+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 591.816+/-1411.193 χ^2/NDF : 21.7/17

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

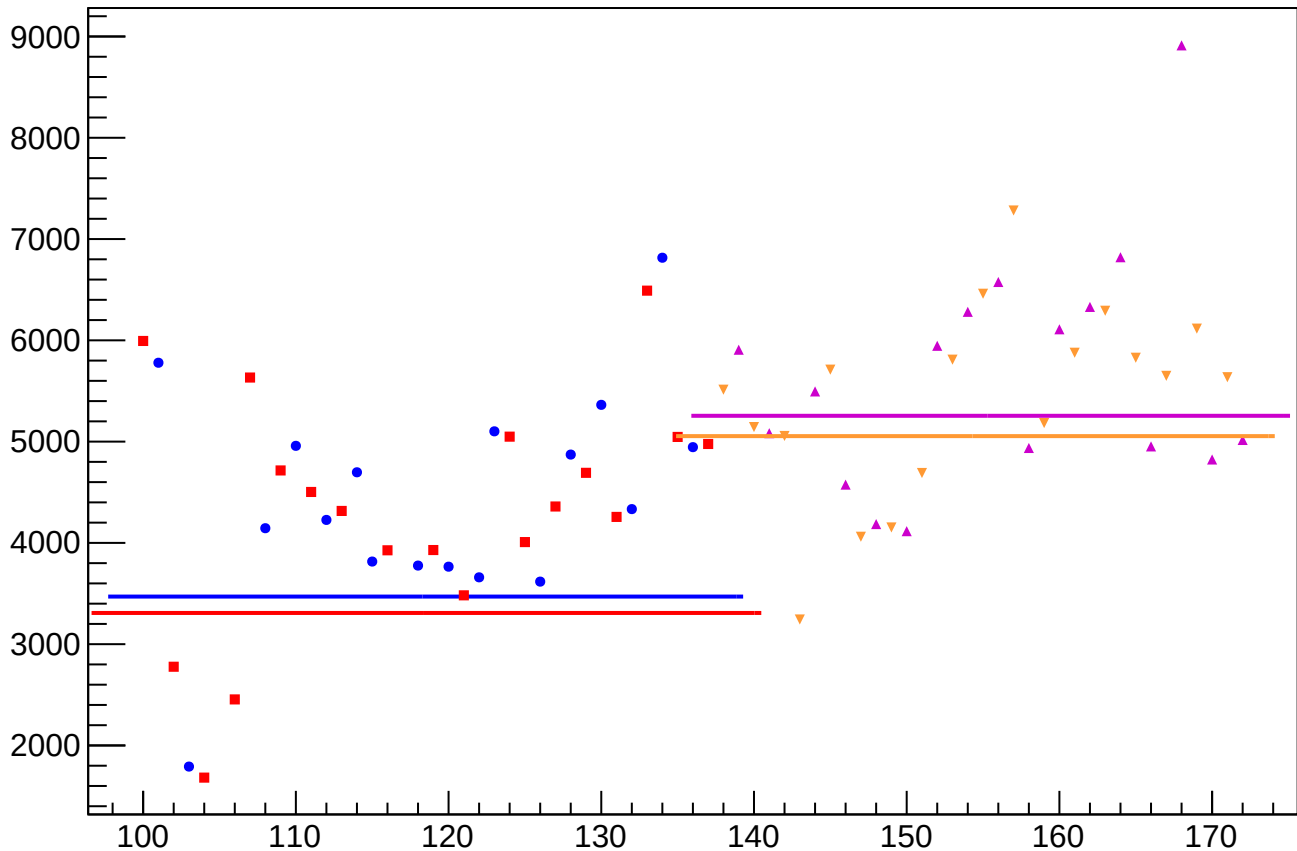
Left In: -2398.540+/-1471.492 χ^2/NDF : 11.4/16

+ sign 1695.391+/-1012.206 χ^2/NDF : 37.0/34

All: -268.945+/-713.965 χ^2/NDF : 73.6/70

- sign -2213.940+/-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: 5054.207+/-0.998 χ^2/NDF : 1058839.2/17

Right Out: 3308.243+/-0.968 χ^2/NDF : 1910782.0/18

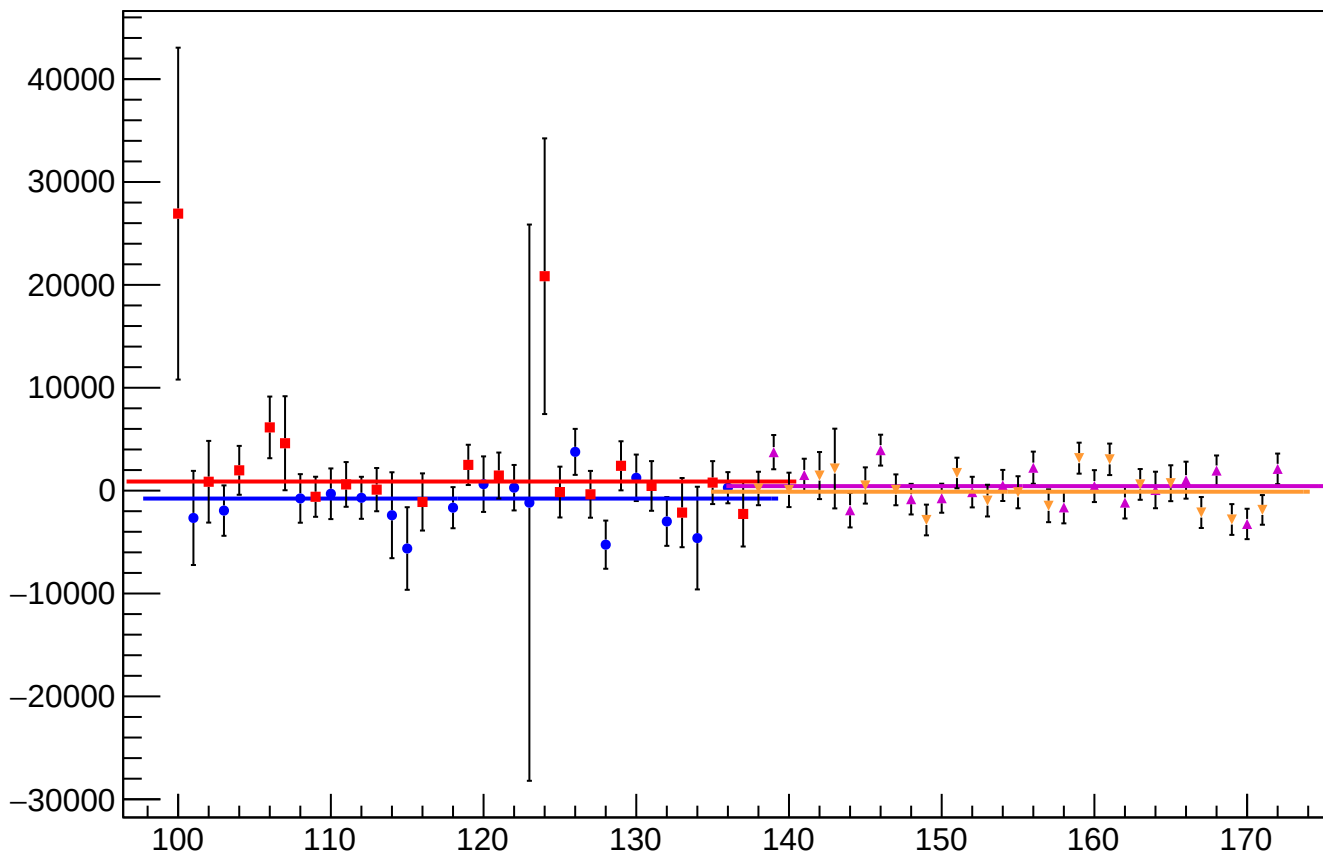
Left In: 5254.962+/-1.041 χ^2/NDF : 868949.4/16

+ sign 4285.037+/-0.716 χ^2/NDF : 4043414.2/34

All: 4247.866+/-0.504 χ^2/NDF : 8704896.3/70

- 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: -105.514+/-380.700 χ^2/NDF : 22.9/17

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

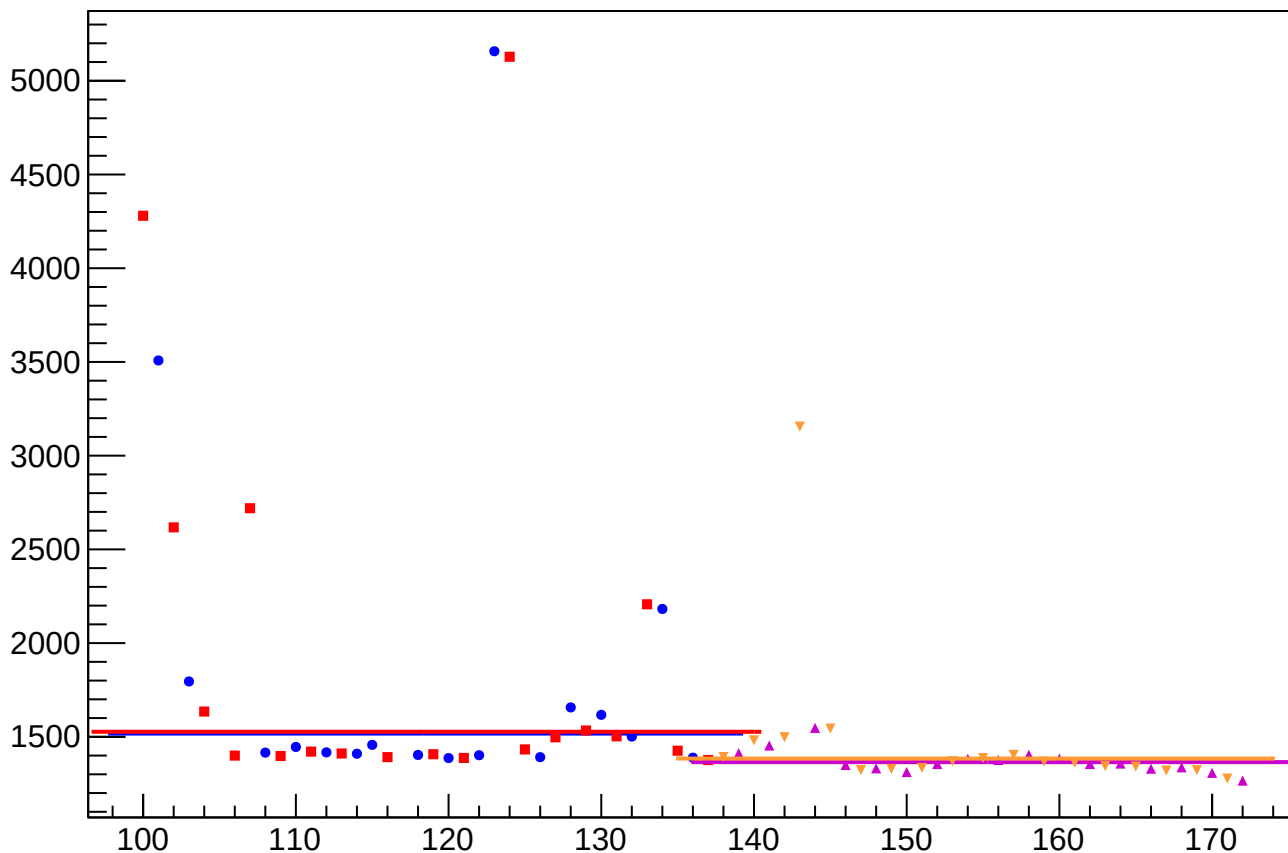
Left In: 438.779+/-376.286 χ^2/NDF : 26.2/16

+ sign -294.909+/-322.017 χ^2/NDF : 37.0/34

All: 141.046+/-226.279 χ^2/NDF : 80.7/70

- 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: 1384.206+/-0.269 χ^2/NDF : 475813.5/17

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 1422.085+/-0.228 χ^2/NDF : 1082064.5/34

All: 1416.628+/-0.160 χ^2/NDF : 1871848.8/70

- 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

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

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

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

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



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

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

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

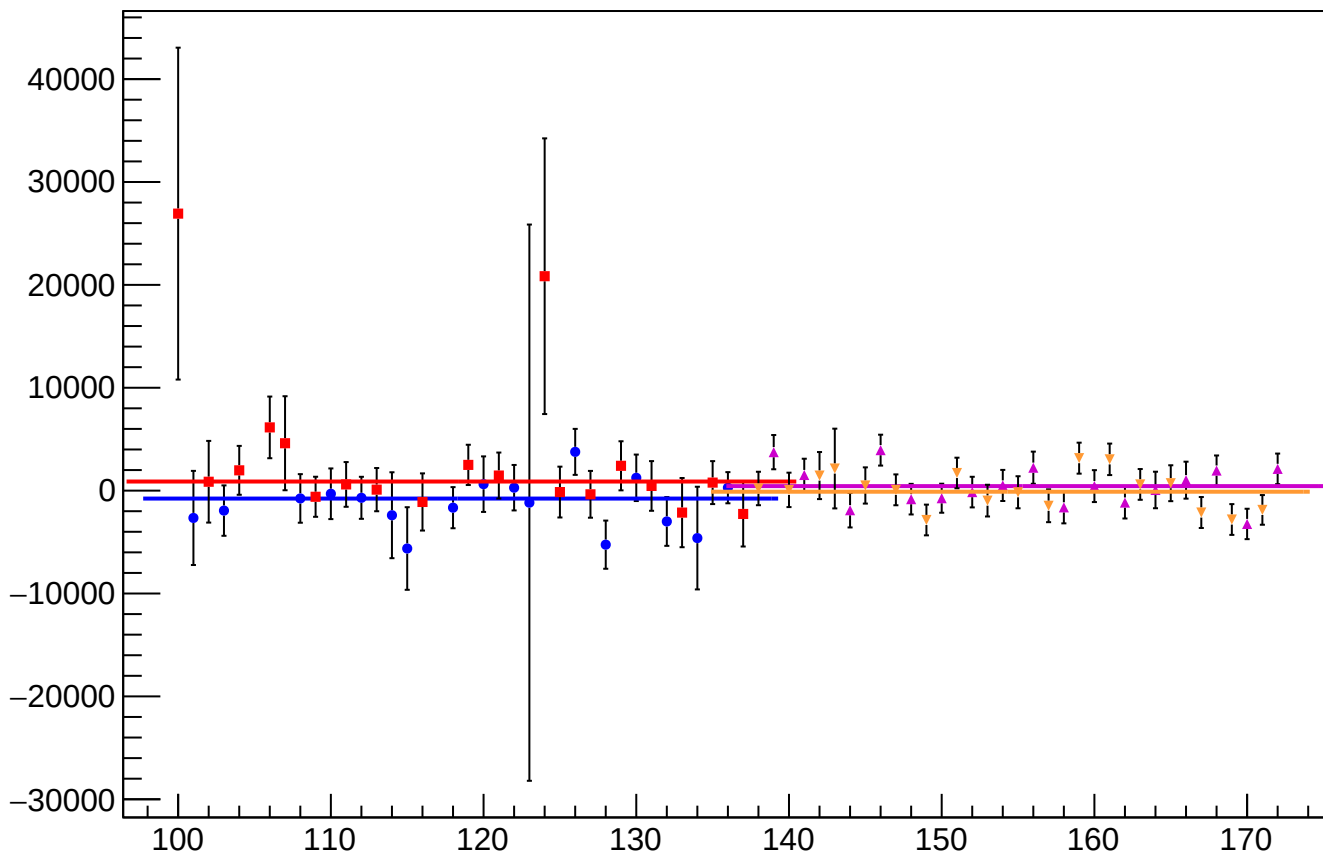
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -105.514+/-380.700 χ^2/NDF : 22.9/17

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

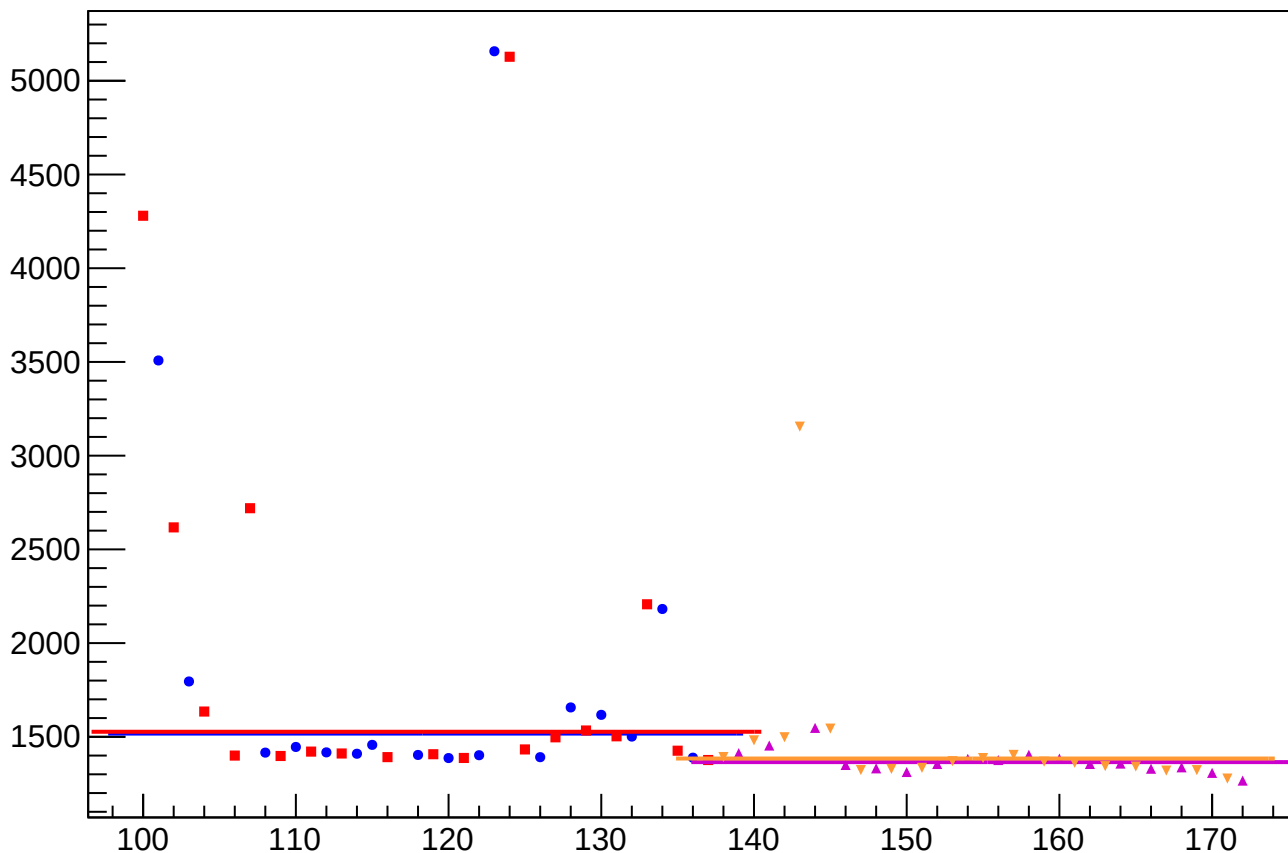
Left In: 438.779+/-376.286 χ^2/NDF : 26.2/16

+ sign -294.909+/-322.017 χ^2/NDF : 37.0/34

All: 141.046+/-226.279 χ^2/NDF : 80.7/70

- 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: 1384.206+/-0.269 χ^2/NDF : 475813.5/17

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

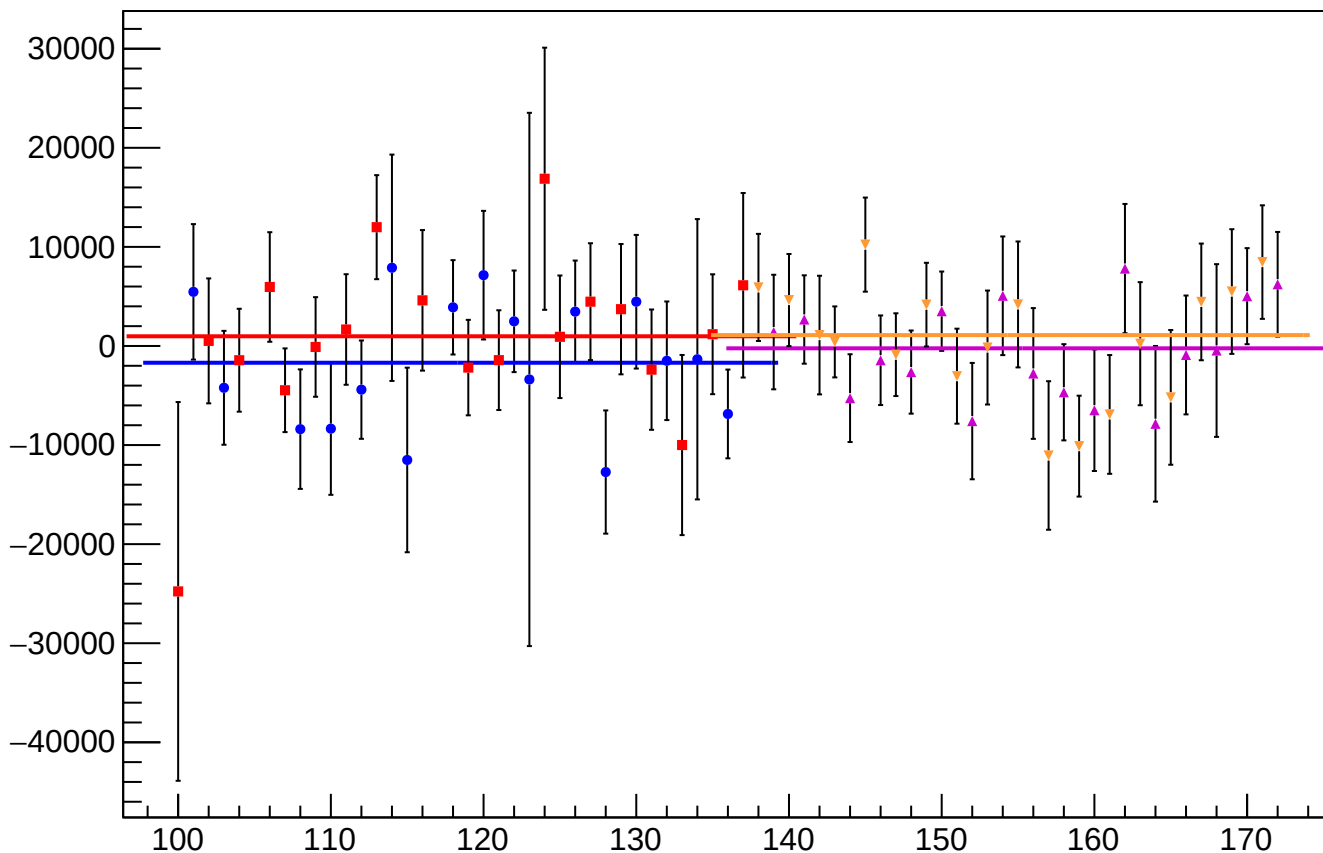
Left In: 1365.039+/-0.266 χ^2/NDF : 51118.4/16

+ sign 1422.085+/-0.228 χ^2/NDF : 1082064.5/34

All: 1416.628+/-0.160 χ^2/NDF : 1871848.8/70

- 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: 1096.394+/-1231.960 χ^2/NDF : 19.5/17

Right Out: 977.899+/-1378.874 χ^2/NDF : 13.9/18

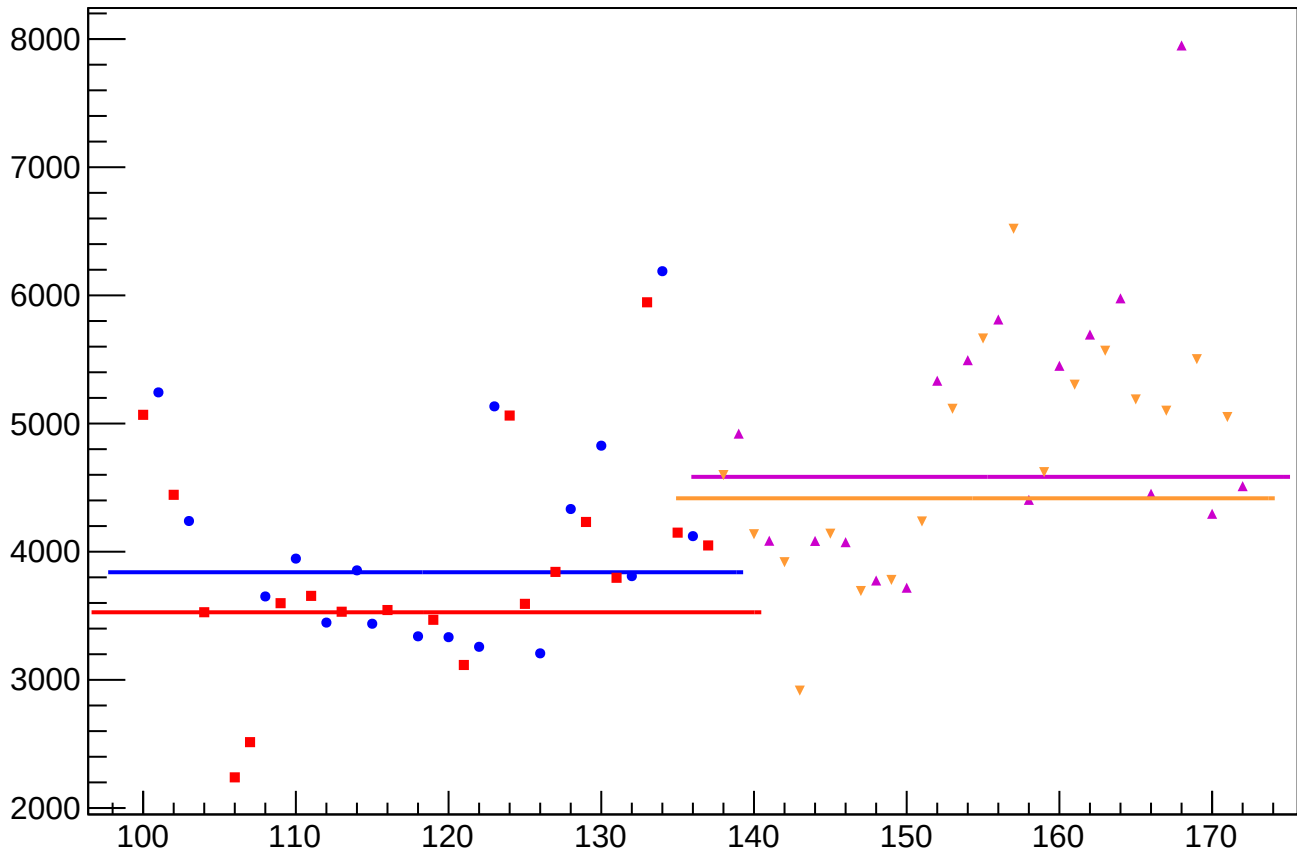
Left In: -236.596+/-1283.326 χ^2/NDF : 12.6/16

+ sign -15.575+/-955.306 χ^2/NDF : 37.4/34

All: 158.646+/-669.814 χ^2/NDF : 64.4/70

- 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: 4416.736+/-0.871 χ^2/NDF :1005824.2/17

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 4186.686+/-0.675 χ^2/NDF : 1506697.4/34

All: 4136.686+/-0.473 χ^2/NDF : 3576362.2/70

- 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

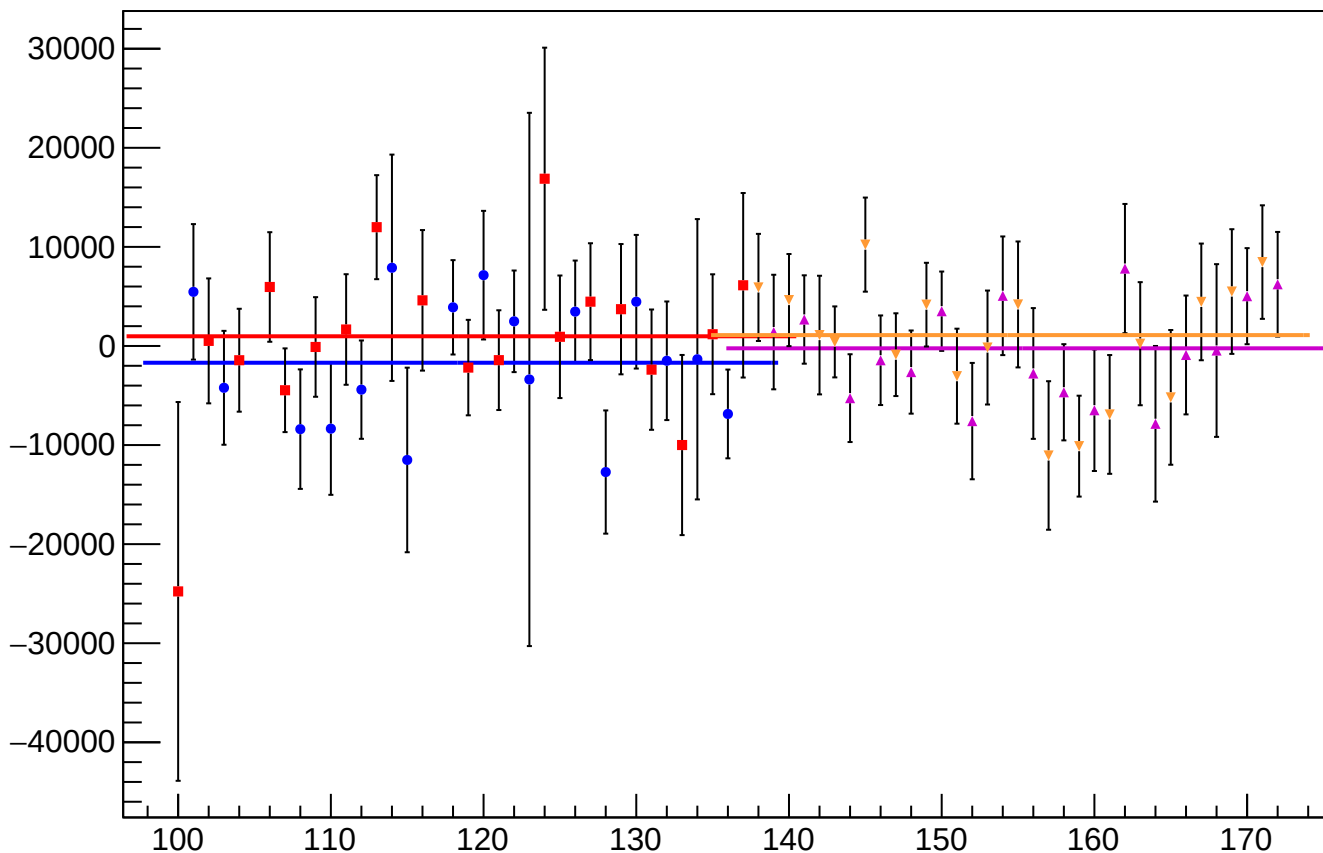
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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: 1096.394 ± 1231.960 χ^2/NDF : 19.5/17

Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

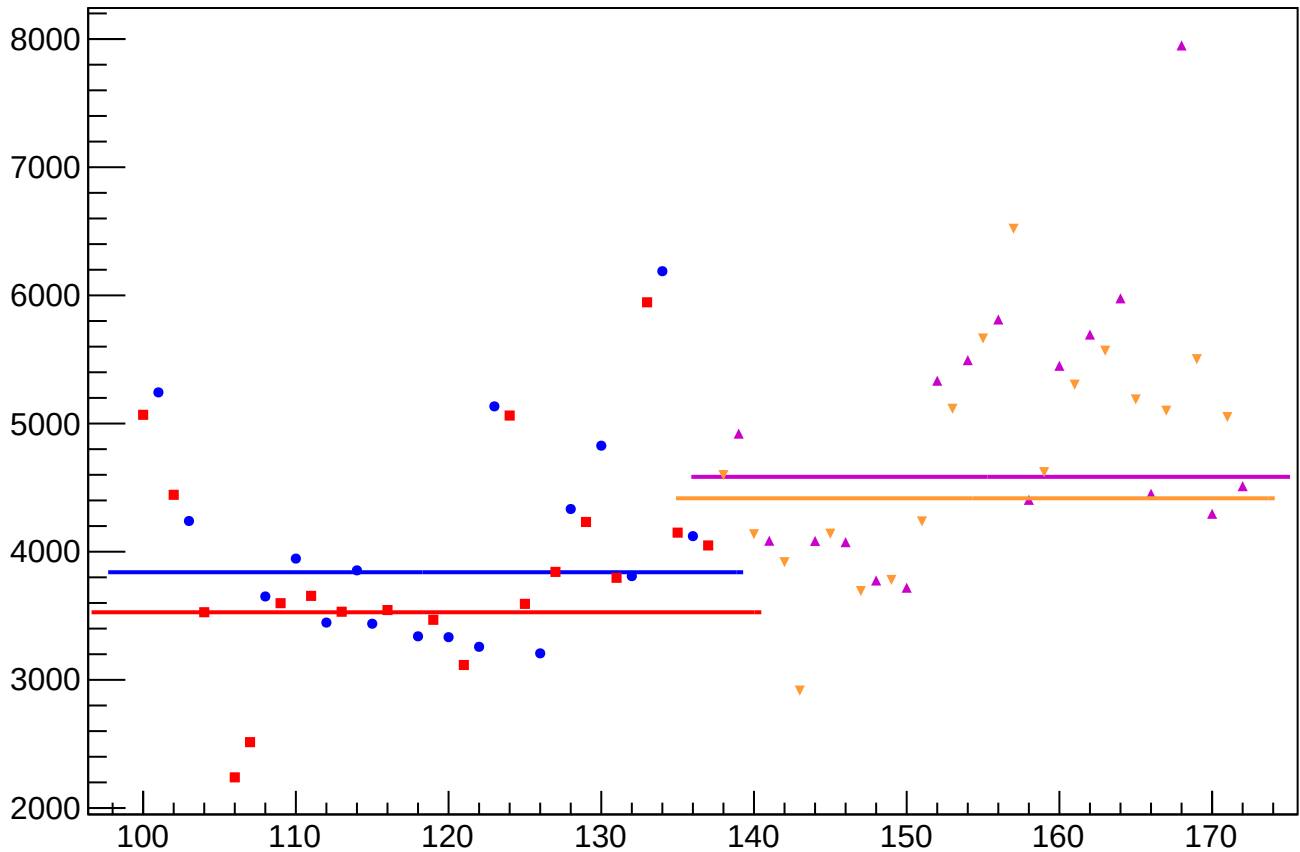
Left In: -236.596 ± 1283.326 χ^2/NDF : 12.6/16

+ sign -15.575 ± 955.306 χ^2/NDF : 37.4/34

All: 158.646 ± 669.814 χ^2/NDF : 64.4/70

- 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 χ^2/NDF : 325959.2/16

Left Out: 4416.736+/-0.871 χ^2/NDF : 1005824.2/17

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

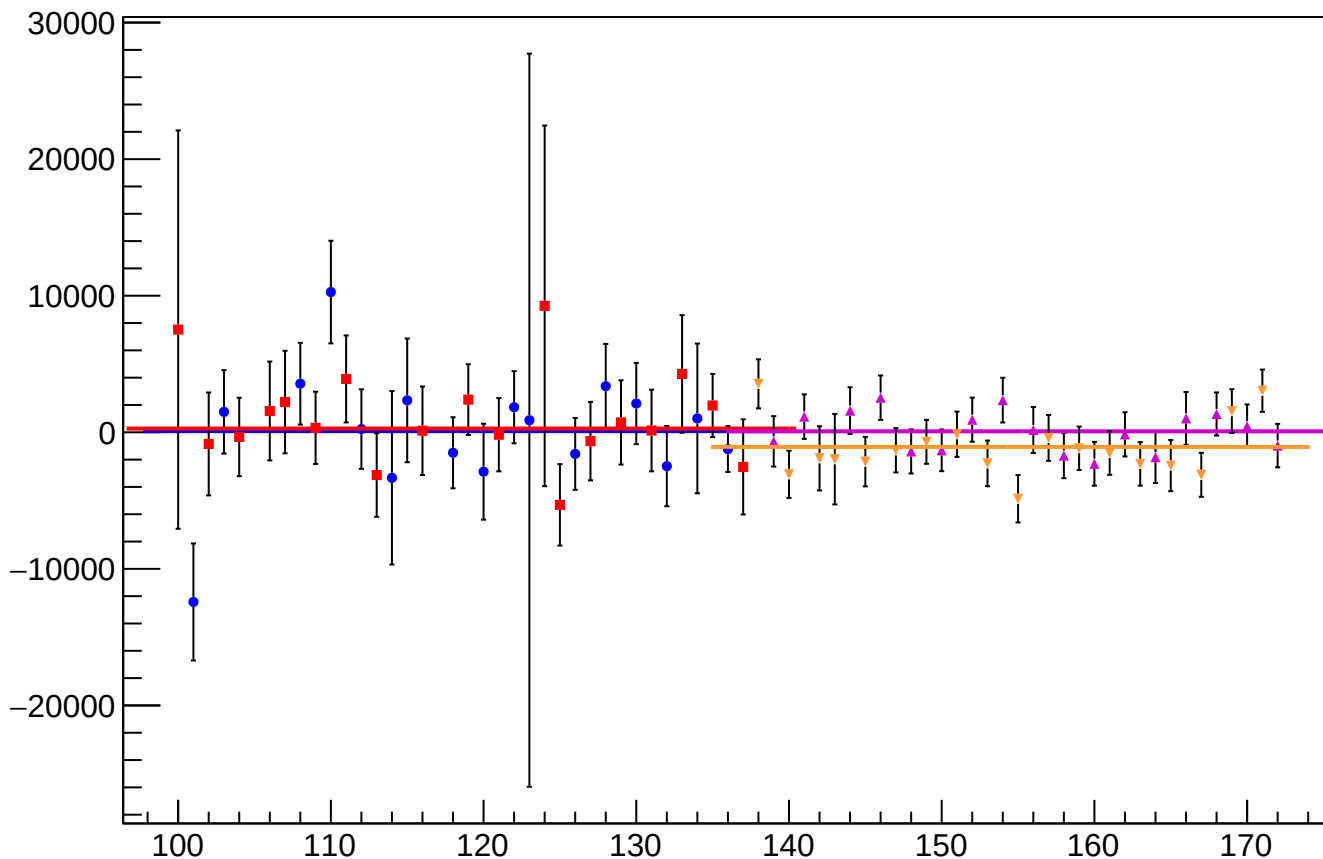
Left In: 4584.020+/-0.907 χ^2/NDF : 868589.8/16

+ sign 4186.686+/-0.675 χ^2/NDF : 1506697.4/34

All: 4136.686+/-0.473 χ^2/NDF : 3576362.2/70

- sign 4088.744+/-0.661 χ^2/NDF : 2058932.5/35

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1072.601+/-406.524 χ^2/NDF :26.9/17

Right Out: 272.707+/-734.115 χ^2/NDF : 10.2/18

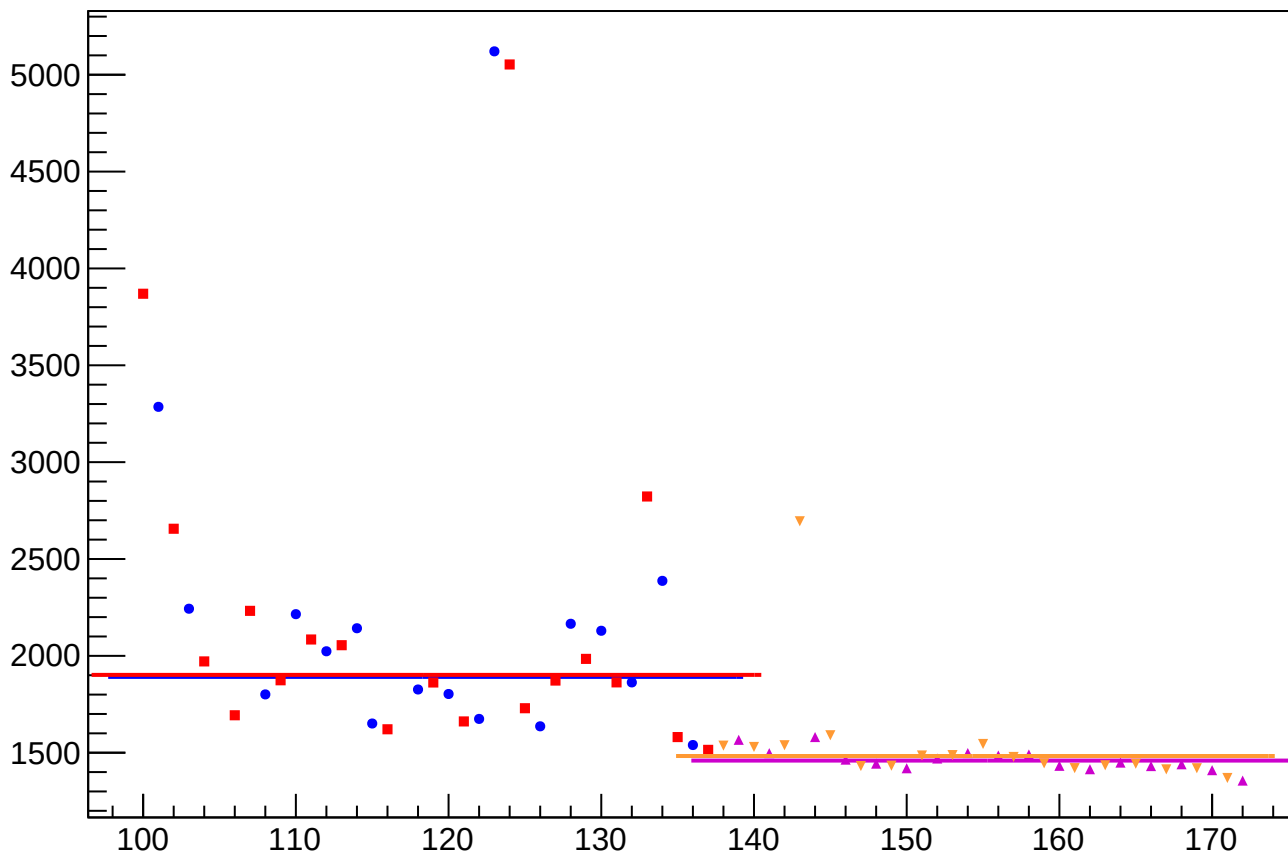
Left In: 70.703+/-402.060 χ^2/NDF :13.3/16

+ sign -810.287+/-357.458 χ^2/NDF : 51.7/34

All: -340.189+/-251.039 χ^2/NDF : 78.6/70

- sign 117.314+/-352.636 χ^2/NDF : 23.5/35

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 ± 0.531 χ^2/NDF : 464497.5/16

Left Out: 1482.963 ± 0.287 χ^2/NDF : 310214.2/17

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 1575.628 ± 0.253 χ^2/NDF : 1232854.6/34

All: 1568.440 ± 0.178 χ^2/NDF : 2289169.5/70

- sign 1561.445 ± 0.249 χ^2/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

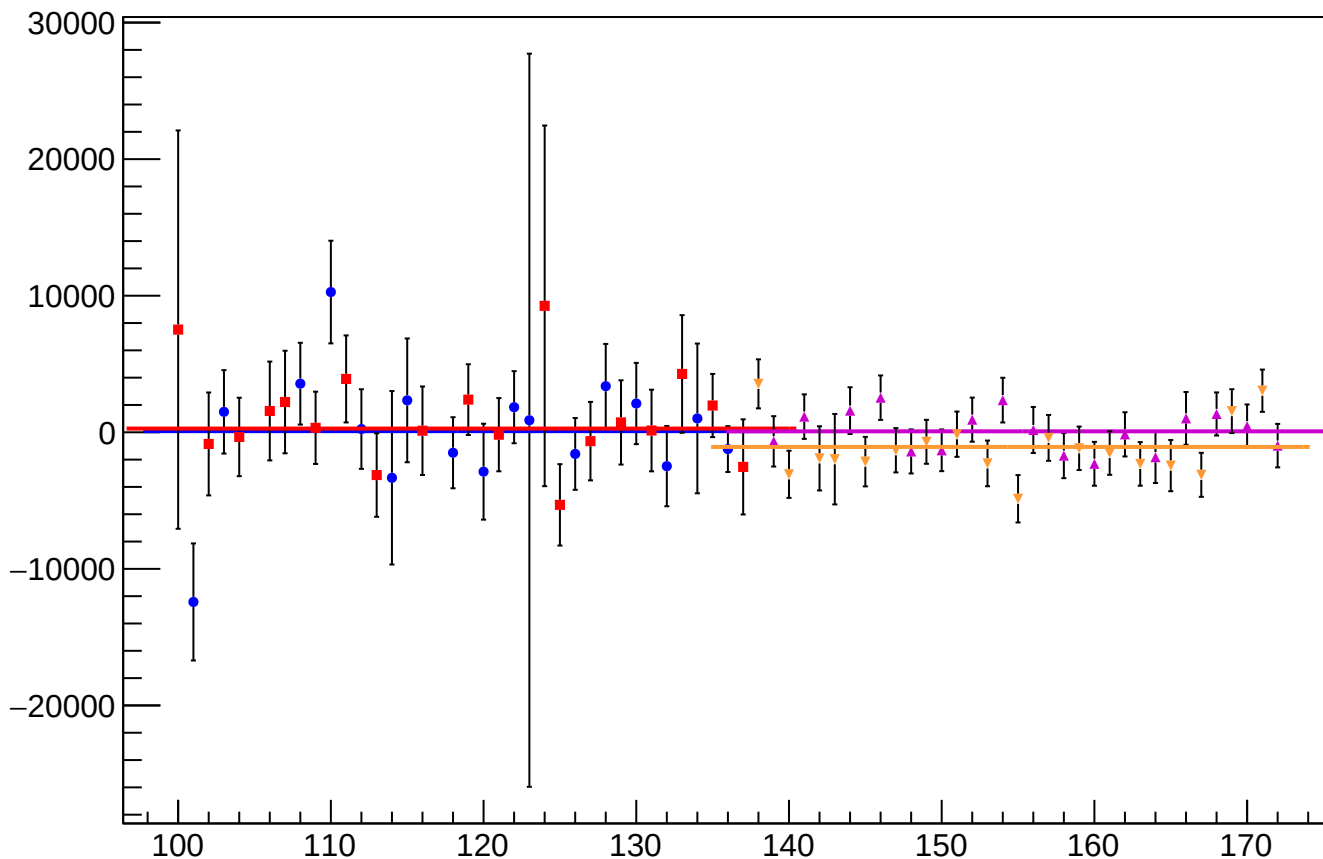
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1072.601 $\pm$ 406.524 χ^2 /NDF:26.9/17

Right Out: 272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

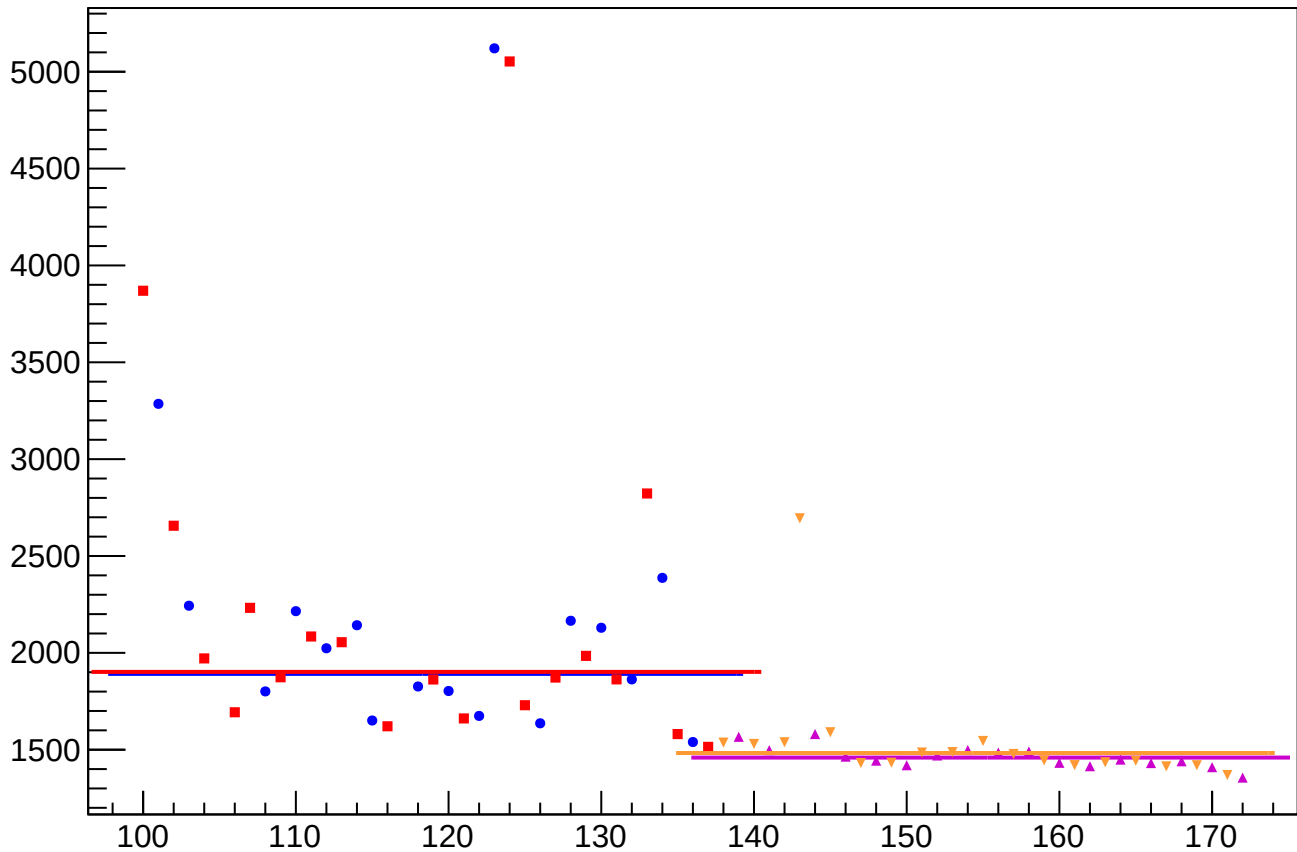
Left In: 70.703 $\pm$ 402.060 χ^2 /NDF:13.3/16

+ sign -810.287 $\pm$ 357.458 χ^2 /NDF: 51.7/34

All: -340.189 $\pm$ 251.039 χ^2 /NDF: 78.6/70

- sign 117.314 $\pm$ 352.636 χ^2 /NDF: 23.5/35

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1482.963 $\pm$ 0.287 χ^2 /NDF: 310214.2/17

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

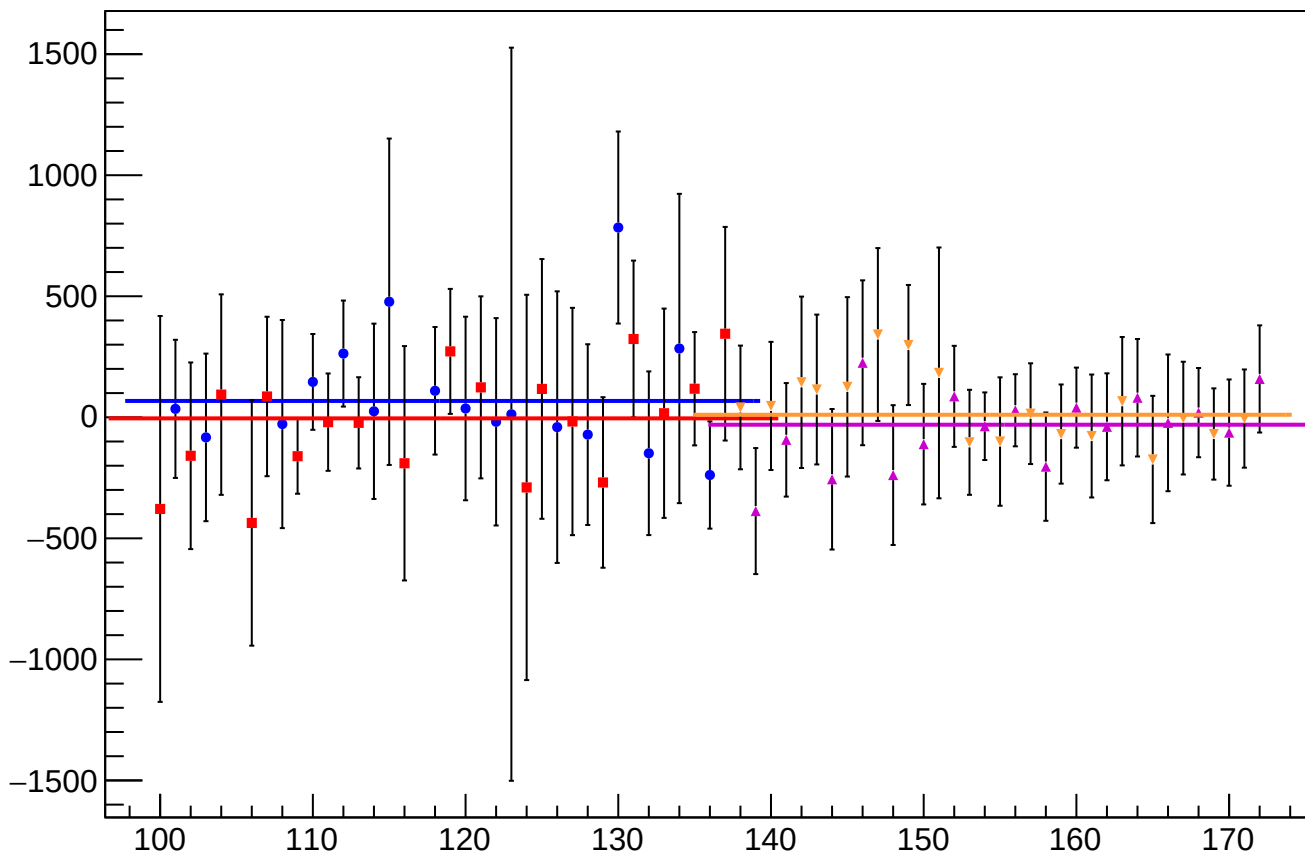
Left In: 1459.352 $\pm$ 0.284 χ^2 /NDF: 35171.4/16

+ sign 1575.628 $\pm$ 0.253 χ^2 /NDF: 1232854.6/34

All: 1568.440 $\pm$ 0.178 χ^2 /NDF: 2289169.5/70

- sign 1561.445 $\pm$ 0.249 χ^2 /NDF: 1054719.1/35

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542+/-79.608 χ^2/NDF : 7.5/16

Left Out: 10.508+/-59.696 χ^2/NDF : 4.2/17

Right Out: -4.423+/-70.009 χ^2/NDF : 6.4/18

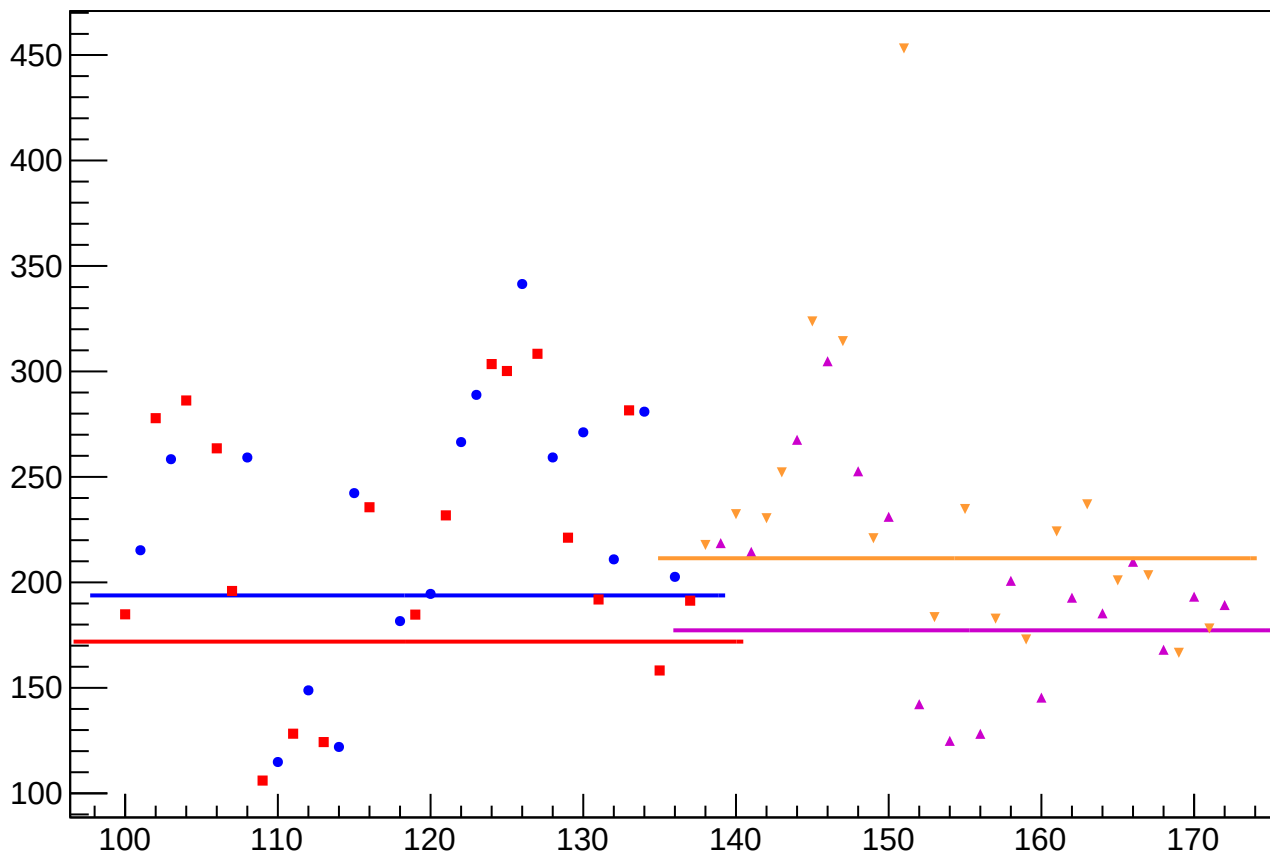
Left In: -30.674+/-51.433 χ^2/NDF : 6.0/16

+ sign 31.036+/-47.760 χ^2/NDF : 12.0/34

All: 1.086+/-31.304 χ^2/NDF : 25.2/70

- sign -21.472+/-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: 211.441 $\pm$ 0.042 χ^2 /NDF:1195215.9/17

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

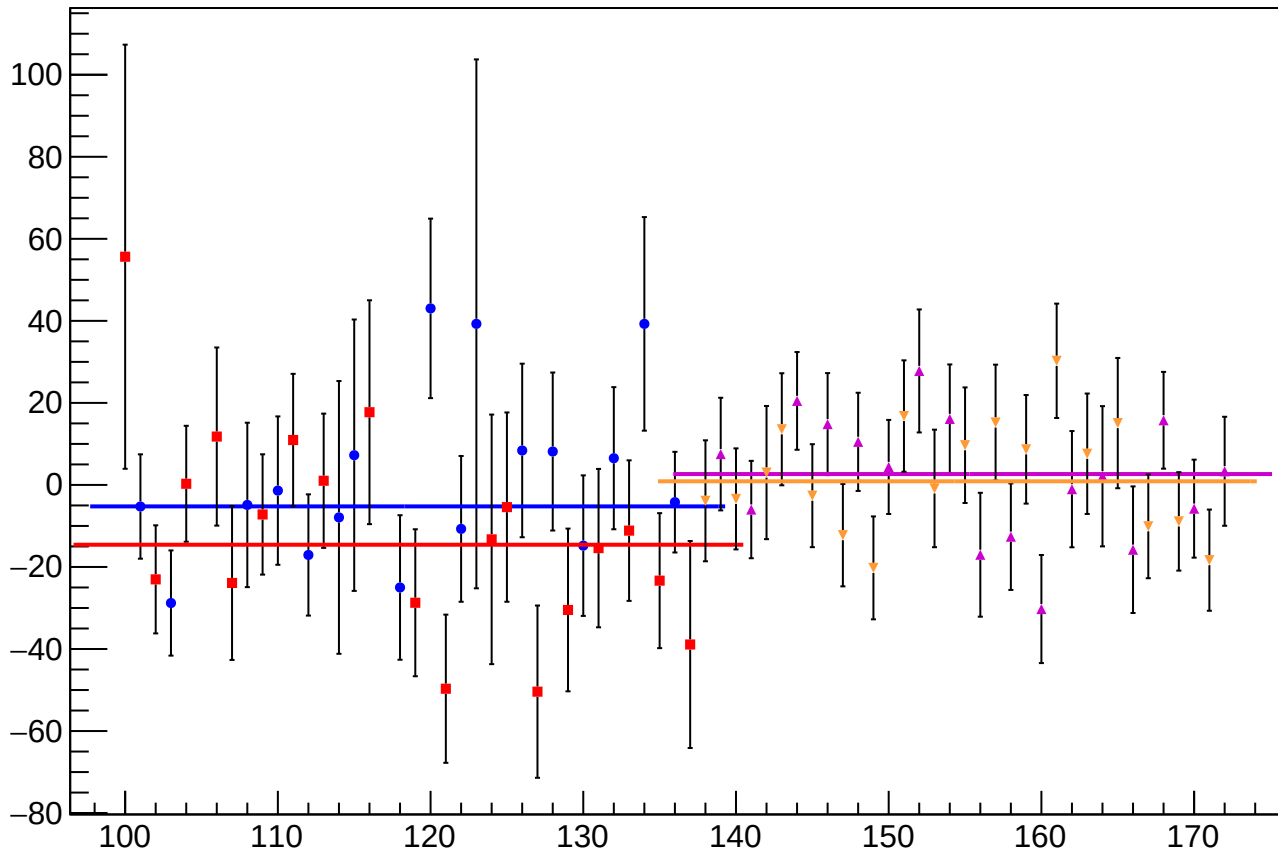
Left In: 177.272 $\pm$ 0.036 χ^2 /NDF:1516080.9/16

+ sign 205.097 $\pm$ 0.034 χ^2 /NDF: 2268292.7/34

All: 188.156 $\pm$ 0.022 χ^2 /NDF: 5810206.9/70

- 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: 0.885 ± 3.178 χ^2/NDF : 17.6/17

Right Out: -14.579 ± 4.265 χ^2/NDF : 19.5/18

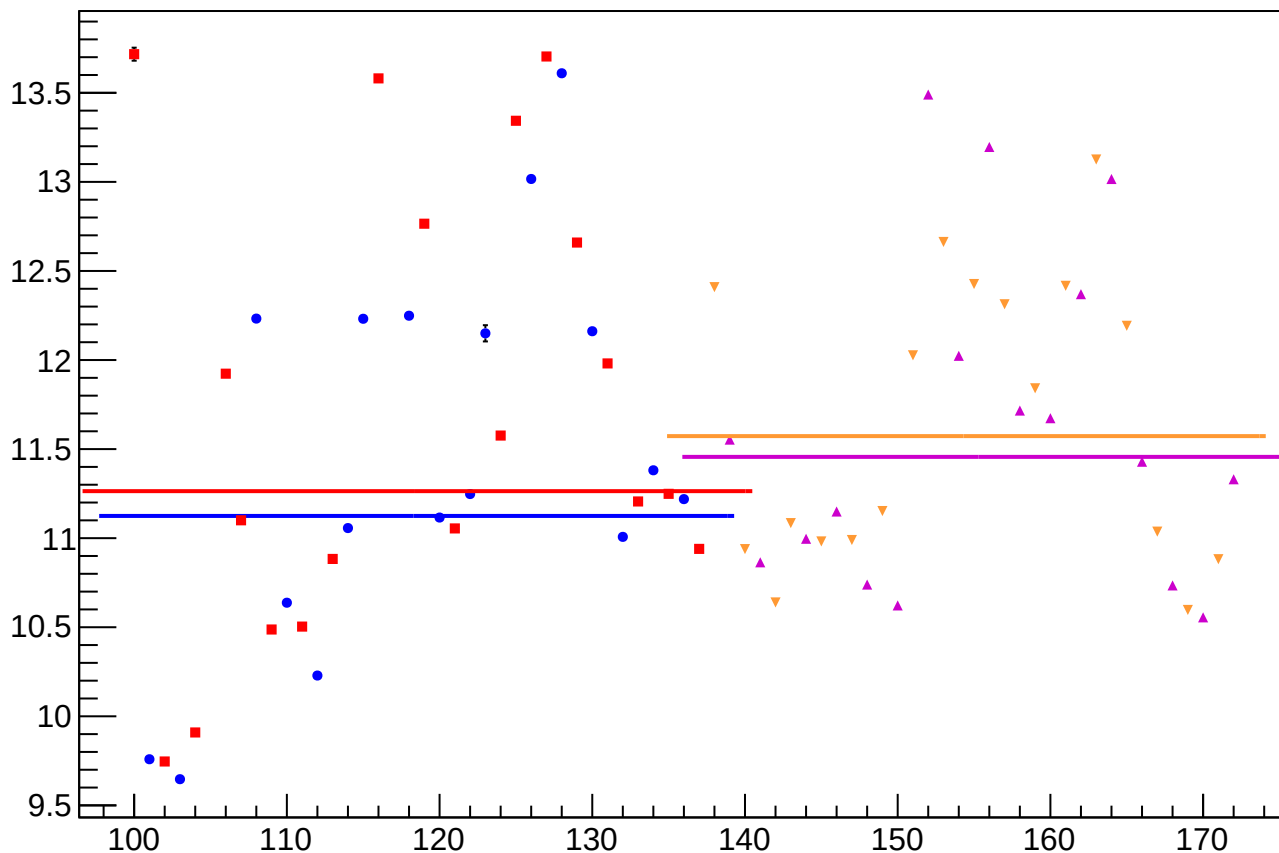
Left In: 2.652 ± 3.176 χ^2/NDF : 20.7/16

+ sign -1.239 ± 2.567 χ^2/NDF : 34.4/34

All: -2.376 ± 1.808 χ^2/NDF : 85.5/70

- 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: 11.573 $\pm$ 0.002 χ^2 /NDF: 115263.4/17

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

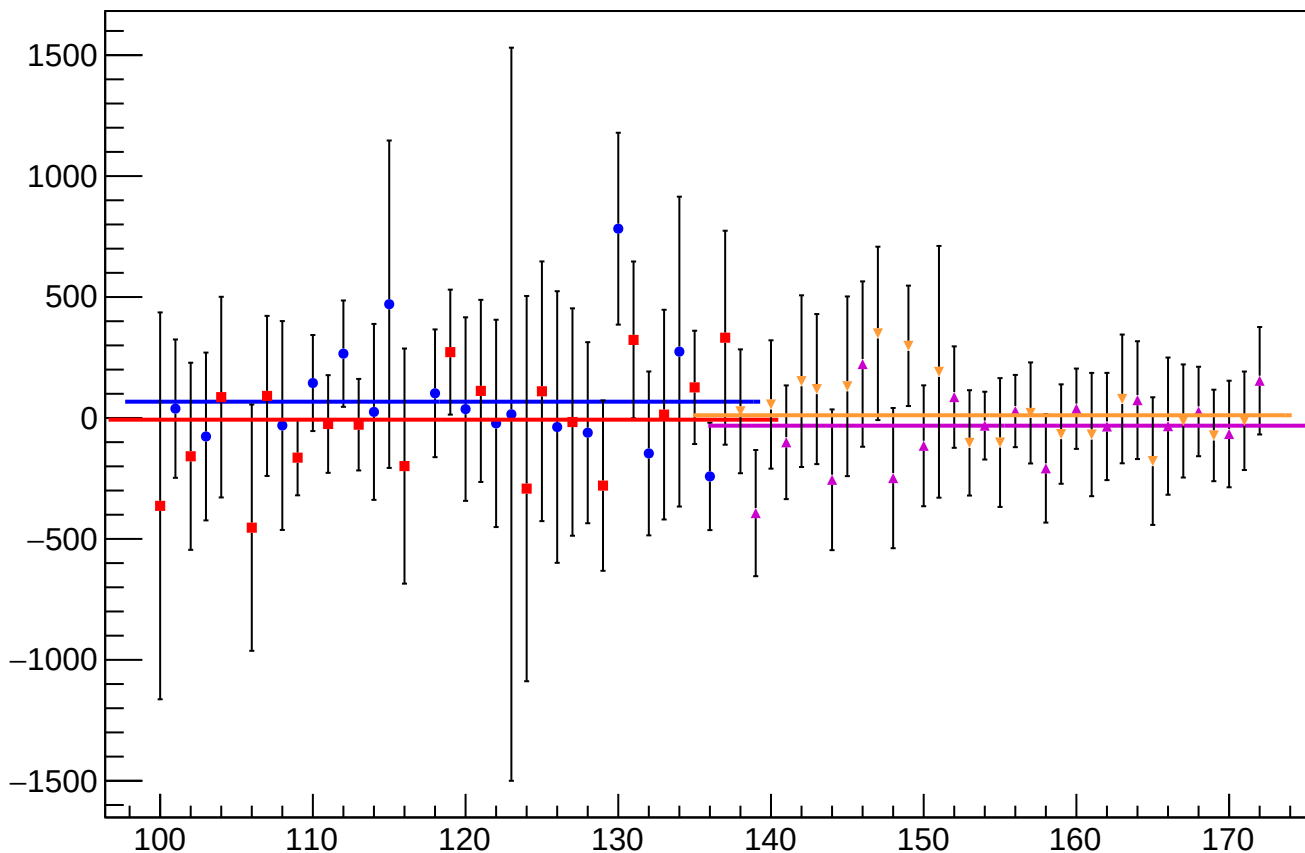
Left In: 11.456 $\pm$ 0.002 χ^2 /NDF: 139386.8/16

+ sign 11.417 $\pm$ 0.002 χ^2 /NDF: 261593.8/34

All: 11.402 $\pm$ 0.001 χ^2 /NDF: 551465.6/70

- 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 $\pm$ 79.817 χ^2 /NDF: 7.5/16

Left Out: 11.210 $\pm$ 59.905 χ^2 /NDF: 4.3/17

Right Out: -7.039 $\pm$ 70.212 χ^2 /NDF: 6.4/18

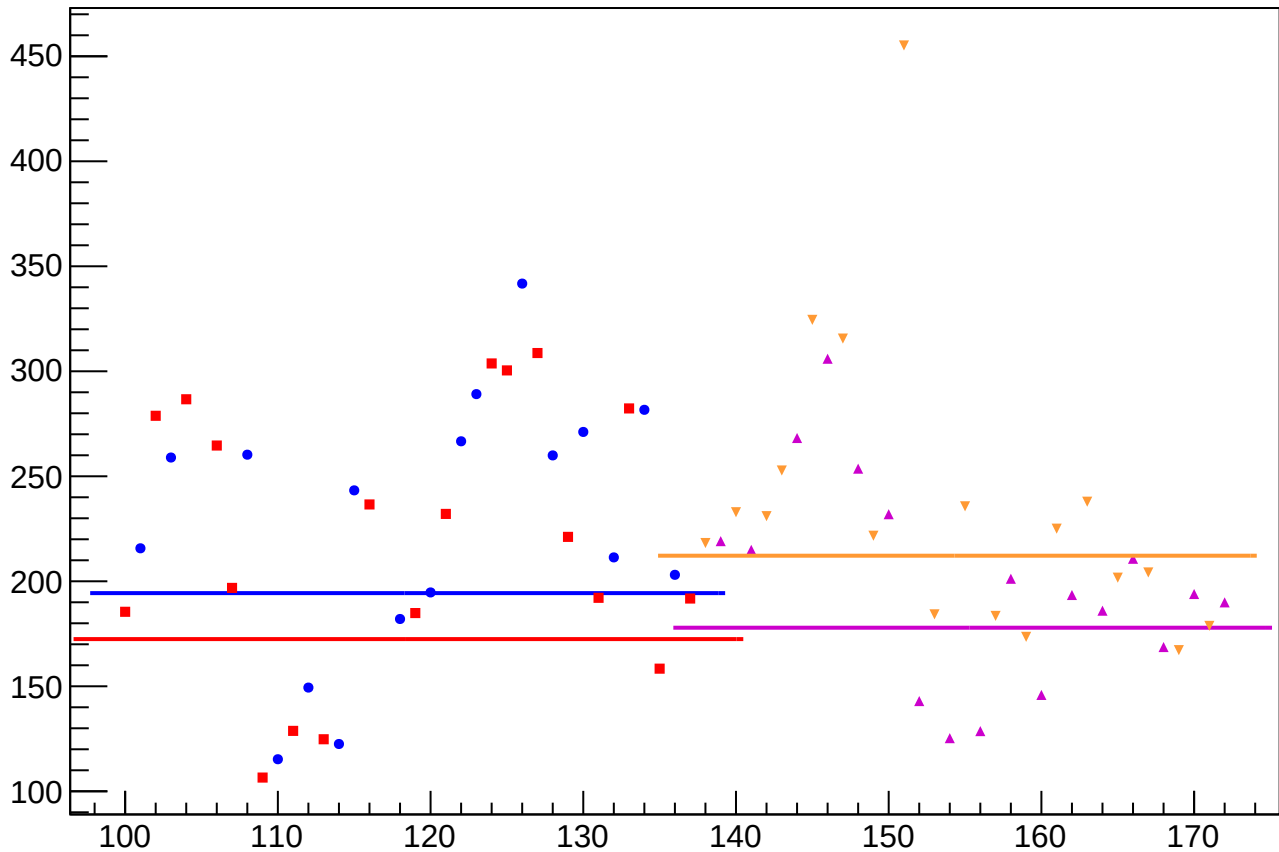
Left In: -31.902 $\pm$ 51.611 χ^2 /NDF: 6.1/16

+ sign 31.422 $\pm$ 47.912 χ^2 /NDF: 12.0/34

All: 0.280 $\pm$ 31.405 χ^2 /NDF: 25.4/70

- sign -23.181 $\pm$ 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: 212.182 $\pm$ 0.042 χ^2 /NDF: 1194300.9/17

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

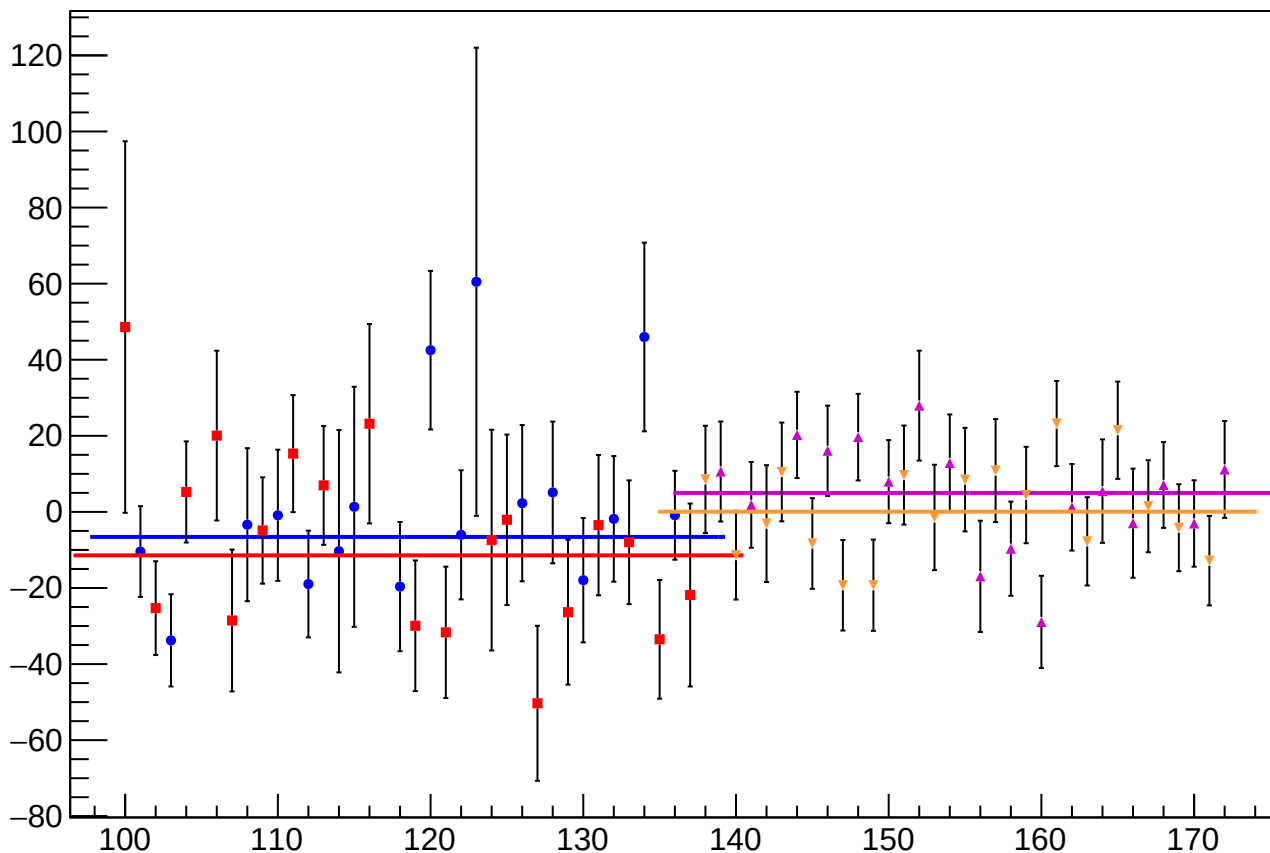
Left In: 177.891 $\pm$ 0.036 χ^2 /NDF: 1514200.2/16

+ sign 205.762 $\pm$ 0.034 χ^2 /NDF: 2263284.7/34

All: 188.782 $\pm$ 0.022 χ^2 /NDF: 5795336.4/70

- 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: 0.059 ± 2.949 χ^2/NDF : 18.3/17

Right Out: -11.423 ± 4.080 χ^2/NDF : 23.0/18

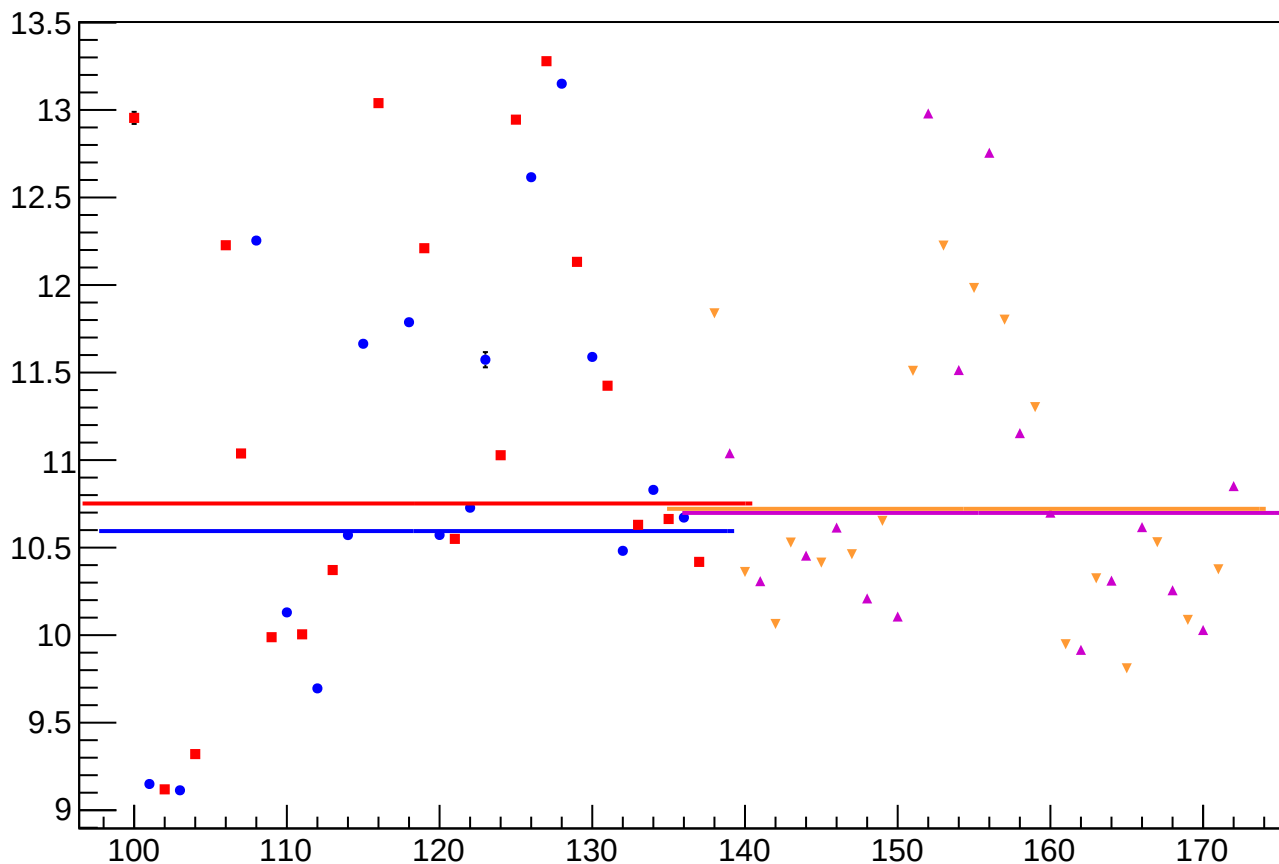
Left In: 4.986 ± 2.970 χ^2/NDF : 20.3/16

+ sign -2.162 ± 2.405 χ^2/NDF : 39.4/34

All: -1.428 ± 1.699 χ^2/NDF : 93.3/70

- 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 ± 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.722 ± 0.002 χ^2/NDF : 116307.1/17

Right Out: 10.752 ± 0.003 χ^2/NDF : 177173.0/18

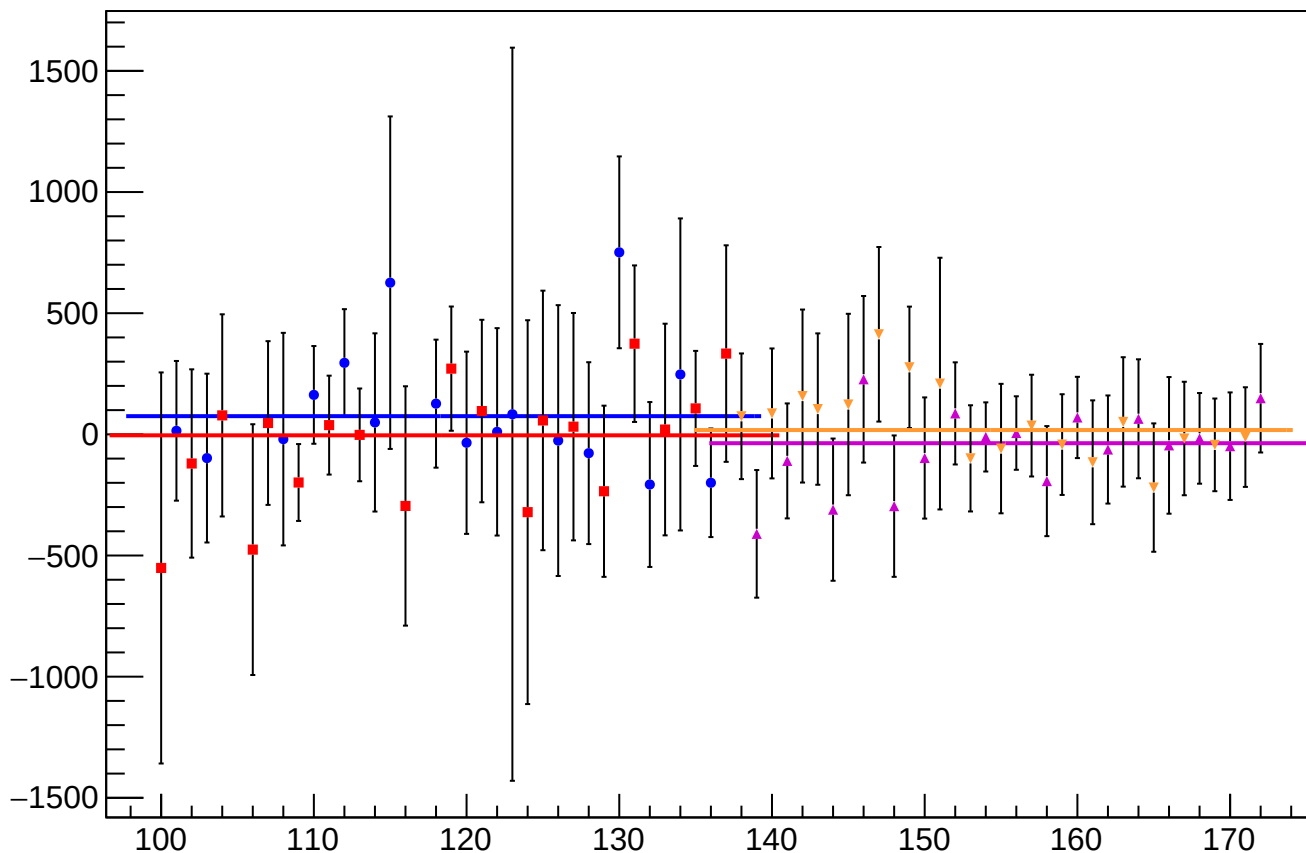
Left In: 10.698 ± 0.002 χ^2/NDF : 136094.7/16

+ sign 10.679 ± 0.002 χ^2/NDF : 277610.3/34

All: 10.698 ± 0.001 χ^2/NDF : 591353.0/70

- sign 10.717 ± 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: 17.779 $\pm$ 60.317 χ^2 /NDF: 4.5/17

Right Out: -3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

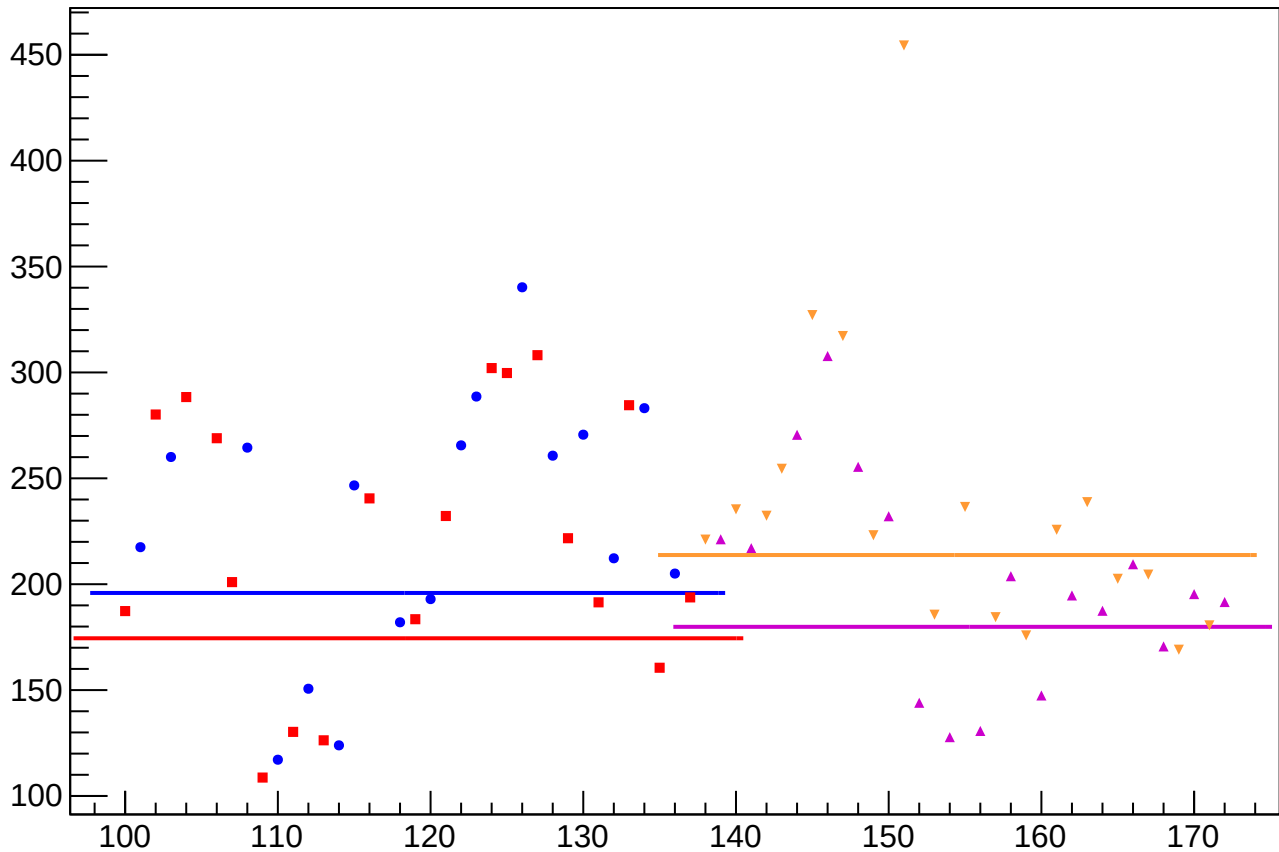
Left In: -36.523 $\pm$ 52.120 χ^2 /NDF: 6.6/16

+ sign 38.433 $\pm$ 48.238 χ^2 /NDF: 12.5/34

All: 2.283 $\pm$ 31.672 χ^2 /NDF: 27.6/70

- 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 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 213.779 $\pm$ 0.043 χ^2 /NDF:1177402.3/17

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

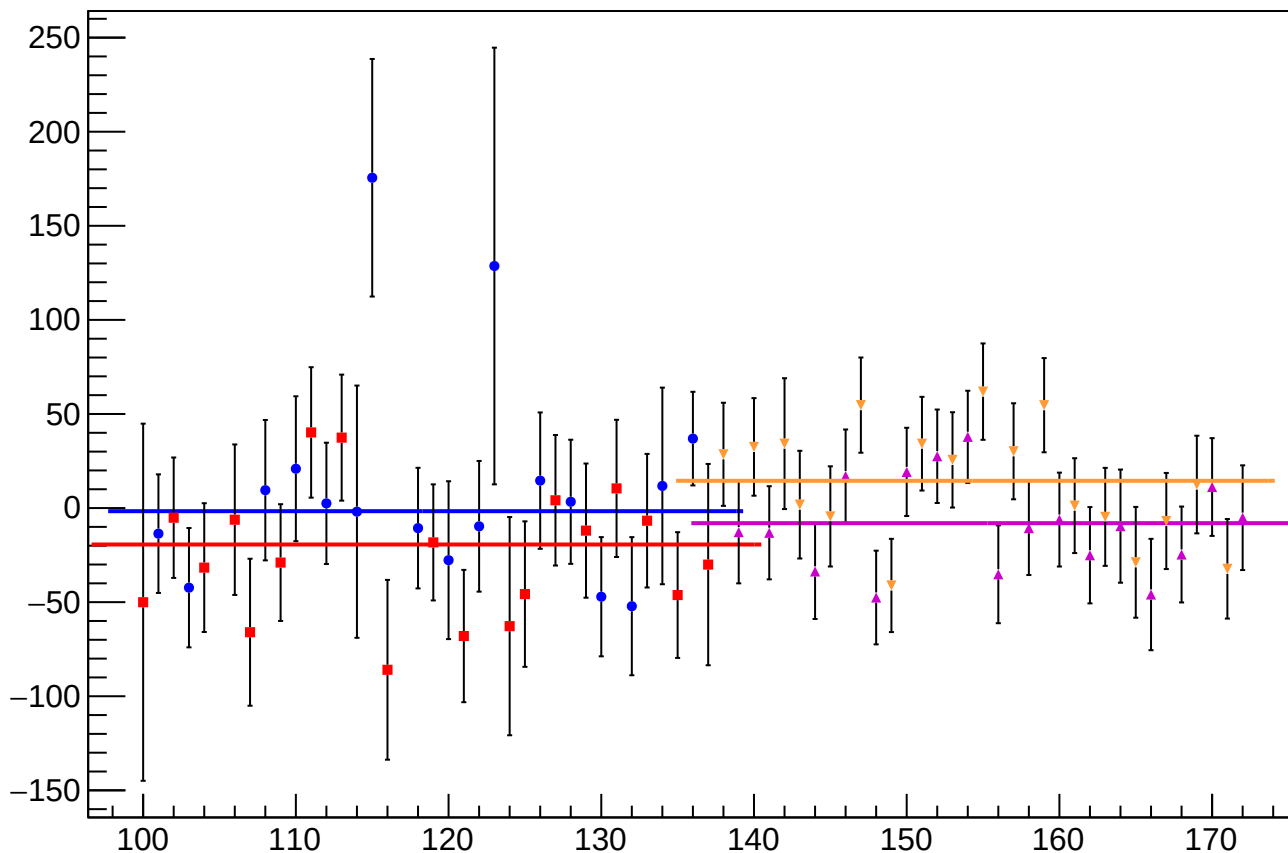
Left In: 179.875 $\pm$ 0.037 χ^2 /NDF:1471722.9/16

+ sign 207.324 $\pm$ 0.034 χ^2 /NDF: 2220206.0/34

All: 190.628 $\pm$ 0.022 χ^2 /NDF: 5649416.0/70

- sign 177.977 $\pm$ 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: 14.492 ± 6.208 χ^2/NDF : 23.3/17

Right Out: -19.357 ± 8.556 χ^2/NDF : 14.8/18

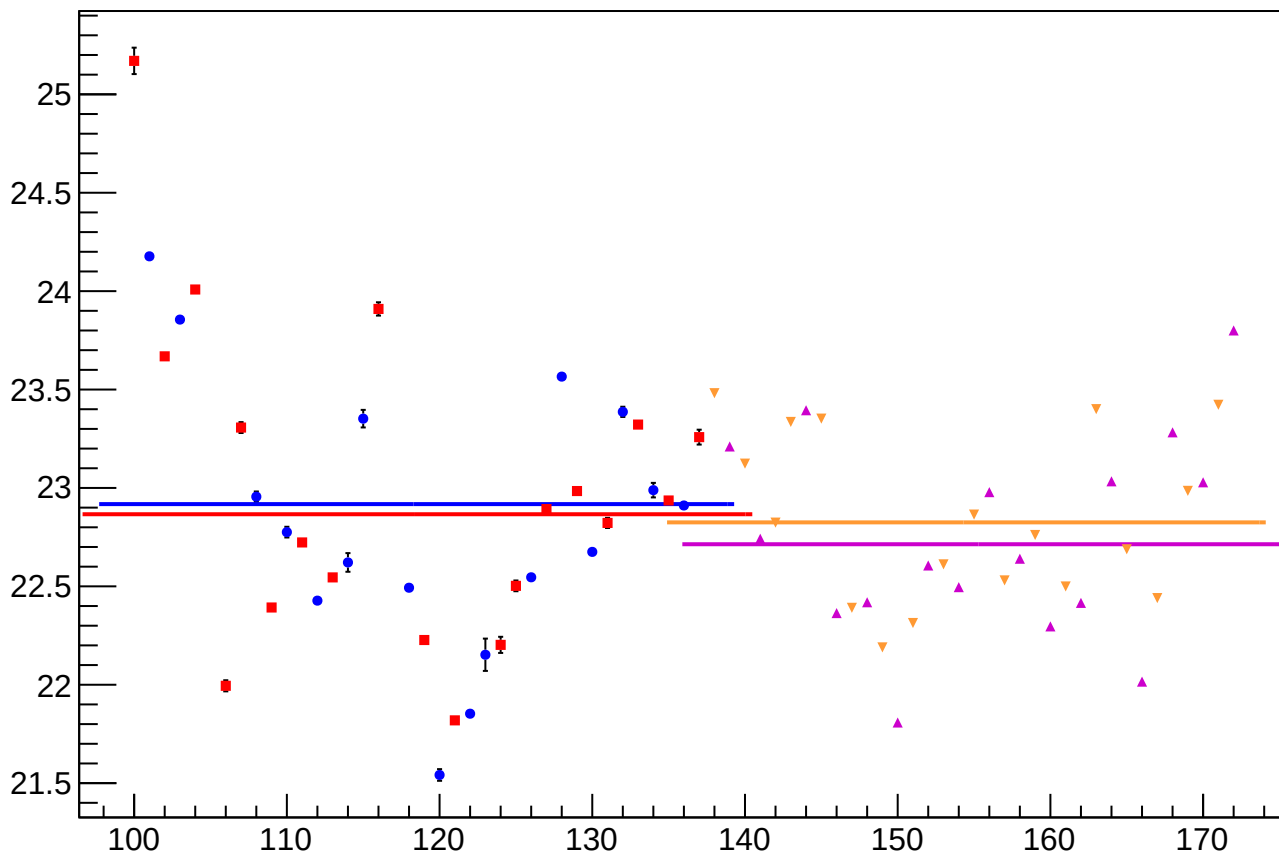
Left In: -8.020 ± 6.240 χ^2/NDF : 15.7/16

+ sign 9.192 ± 5.088 χ^2/NDF : 44.1/34

All: -1.479 ± 3.581 χ^2/NDF : 84.5/70

- 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 ± 0.006 $\chi^2/\text{NDF}: 11472.2/16$

Left Out: 22.825 ± 0.004 $\chi^2/\text{NDF}: 8911.8/17$

Right Out: 22.866 ± 0.006 $\chi^2/\text{NDF}: 11052.6/18$

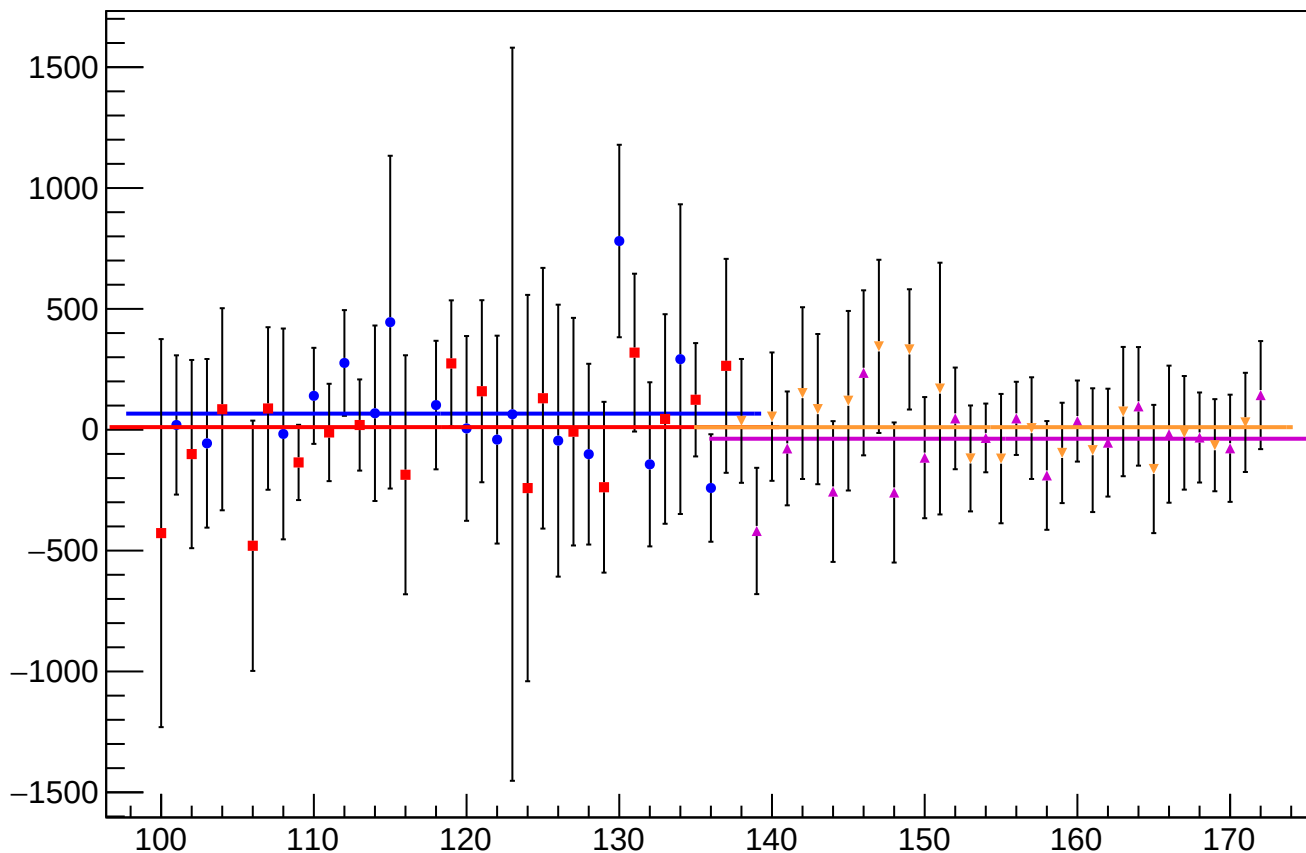
Left In: 22.714 ± 0.004 $\chi^2/\text{NDF}: 12714.8/16$

+ sign 22.856 ± 0.004 $\chi^2/\text{NDF}: 20530.8/34$

All: 22.811 ± 0.003 $\chi^2/\text{NDF}: 45018.7/70$

- sign 22.767 ± 0.004 $\chi^2/\text{NDF}: 24181.8/35$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701 ± 79.995 χ^2/NDF : 7.5/16

Left Out: 10.655 ± 60.191 χ^2/NDF : 4.6/17

Right Out: 10.870 ± 70.386 χ^2/NDF : 5.7/18

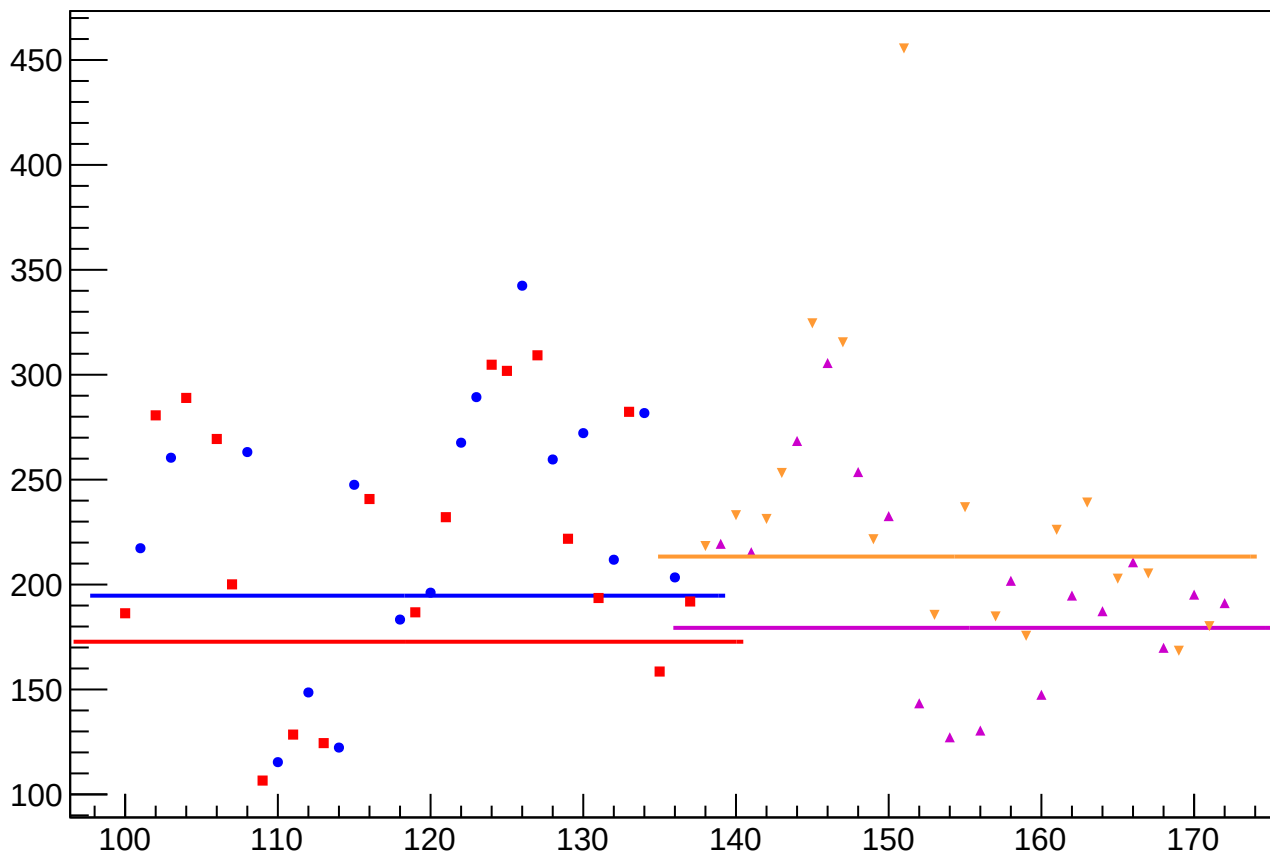
Left In: -37.200 ± 51.973 χ^2/NDF : 6.2/16

+ sign 30.915 ± 48.097 χ^2/NDF : 12.5/34

All: 1.779 ± 31.555 χ^2/NDF : 25.3/70

- sign -20.238 ± 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: 213.344 $\pm$ 0.043 χ^2/NDF : 1168797.0/17

Right Out: 172.753 $\pm$ 0.050 χ^2/NDF : 1596944.9/18

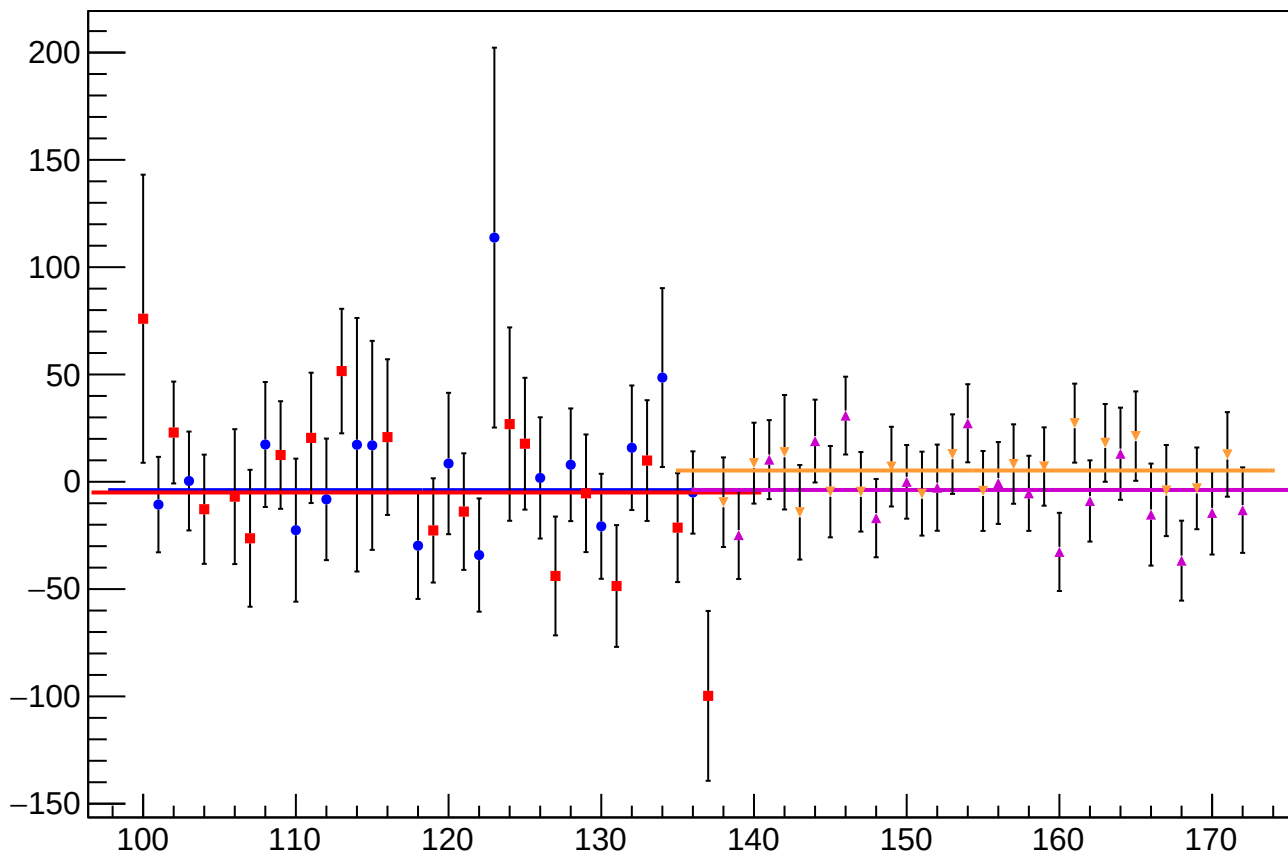
Left In: 179.366 $\pm$ 0.037 χ^2/NDF : 1461718.6/16

+ sign 206.605 $\pm$ 0.034 χ^2/NDF : 2258014.4/34

All: 189.761 $\pm$ 0.022 χ^2/NDF : 5758763.9/70

- 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 $\pm$ 6.915 χ^2/NDF : 8.4/16

Left Out: 5.263 $\pm$ 4.624 χ^2/NDF : 5.8/17

Right Out: -4.985 $\pm$ 6.727 χ^2/NDF : 21.3/18

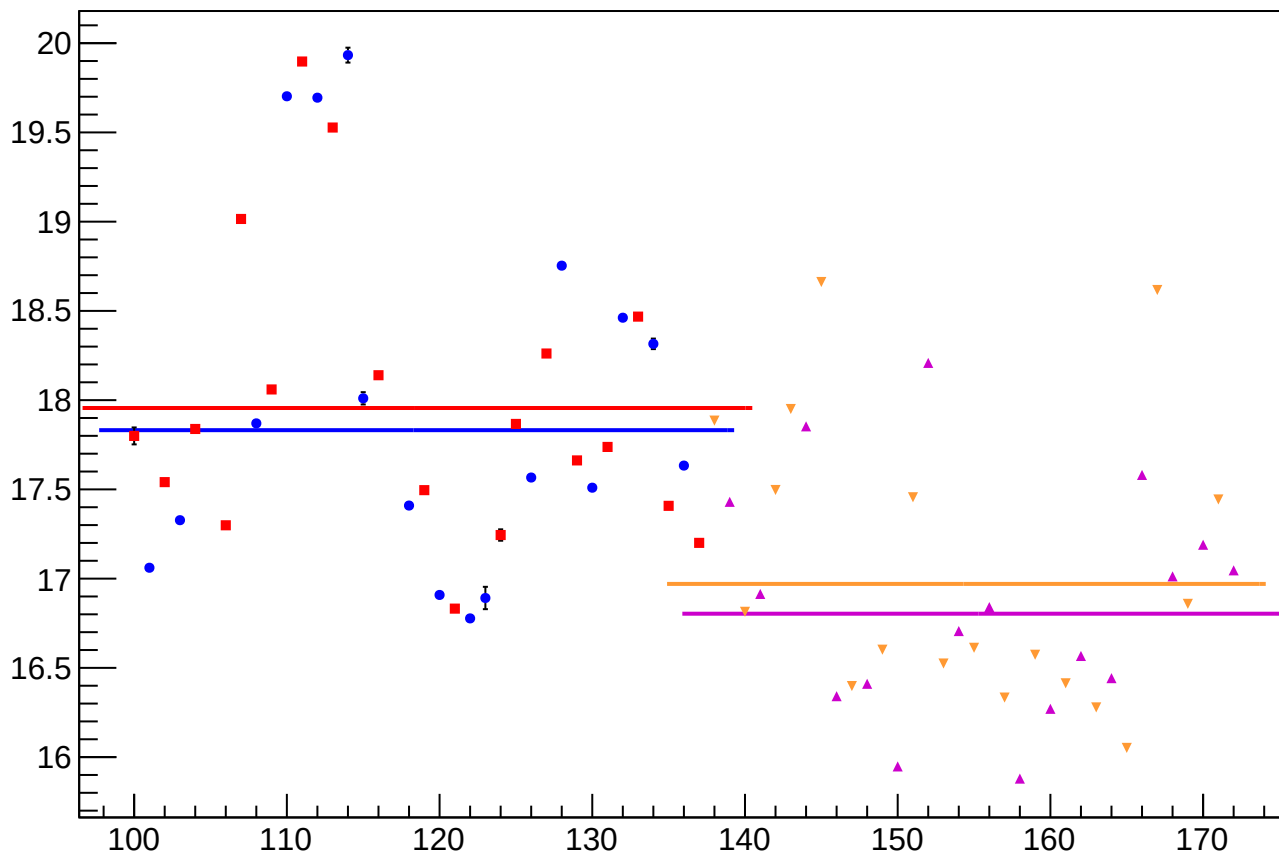
Left In: -3.810 $\pm$ 4.624 χ^2/NDF : 17.3/16

+ sign 2.434 $\pm$ 3.844 χ^2/NDF : 15.4/34

All: -0.905 $\pm$ 2.706 χ^2/NDF : 55.5/70

- sign -4.187 $\pm$ 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: 16.970 $\pm$ 0.003 χ^2 /NDF: 52363.7/17

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

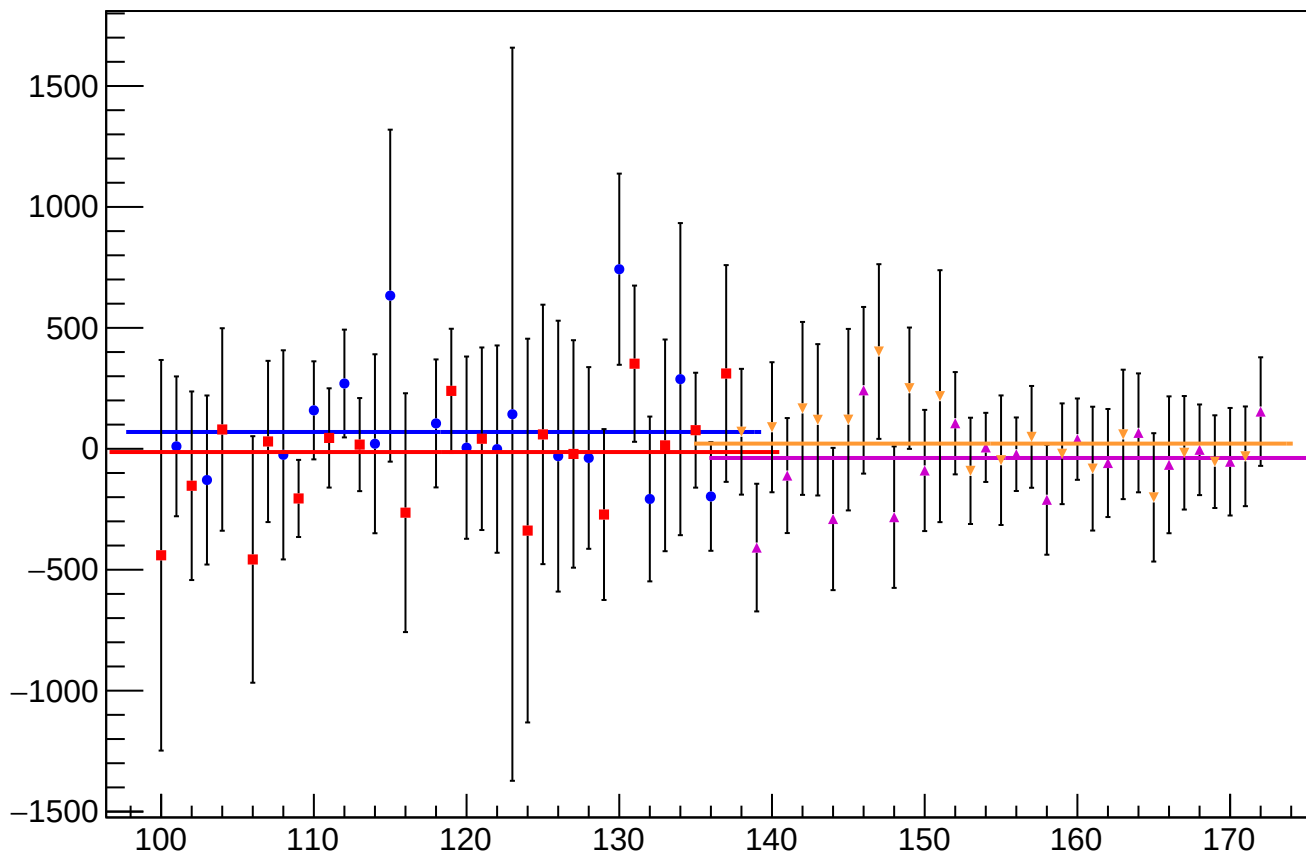
Left In: 16.803 $\pm$ 0.003 χ^2 /NDF: 36561.9/16

+ sign 17.237 $\pm$ 0.003 χ^2 /NDF: 104672.0/34

All: 17.205 $\pm$ 0.002 χ^2 /NDF: 206825.0/70

- 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+/-80.550 χ^2/NDF : 7.4/16

Left Out: 21.465+/-60.453 χ^2/NDF : 4.0/17

Right Out: -13.410+/-71.041 χ^2/NDF : 6.7/18

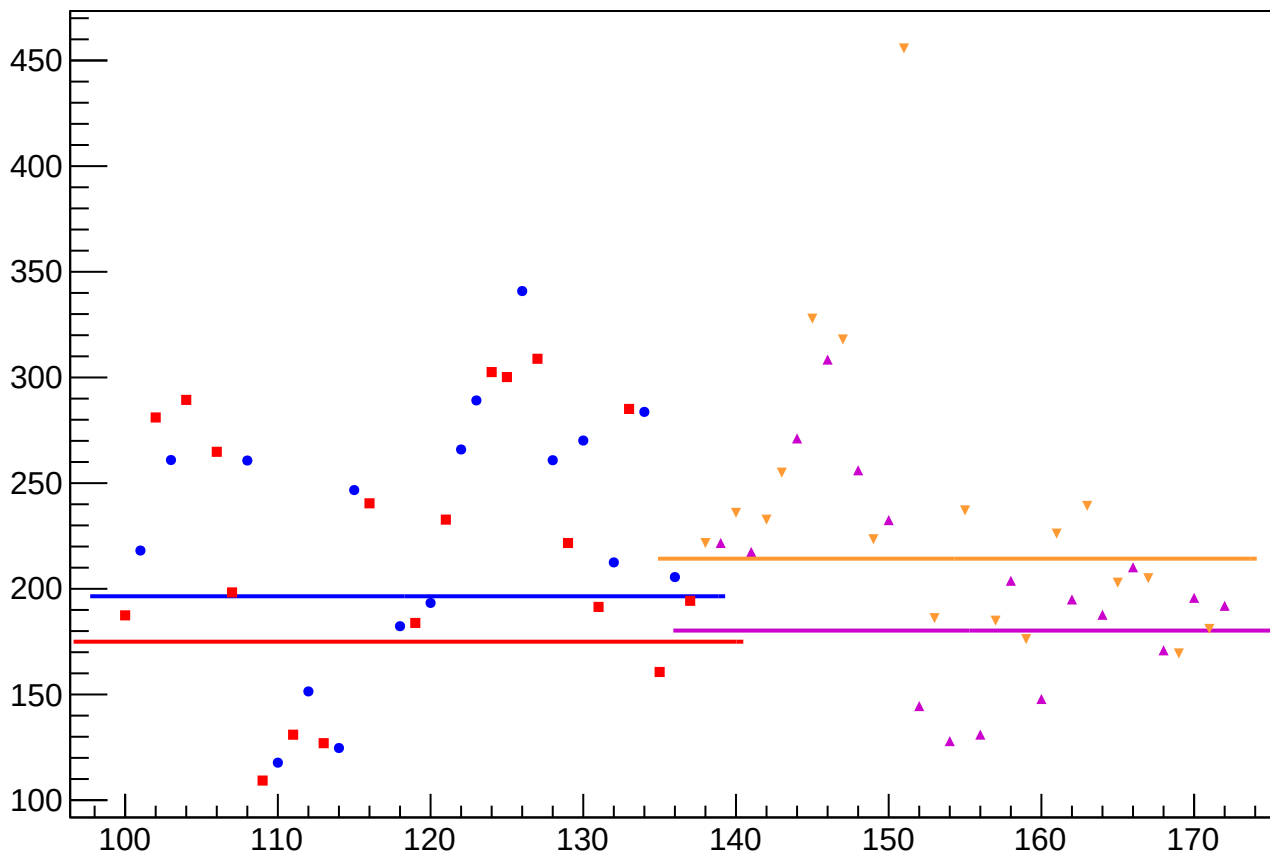
Left In: -37.976+/-52.226 χ^2/NDF : 6.5/16

+ sign 38.776+/-48.351 χ^2/NDF : 11.6/34

All: 0.006+/-31.742 χ^2/NDF : 26.1/70

- sign -29.358+/-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: 214.259 $\pm$ 0.043 χ^2 /NDF:1177404.3/17

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

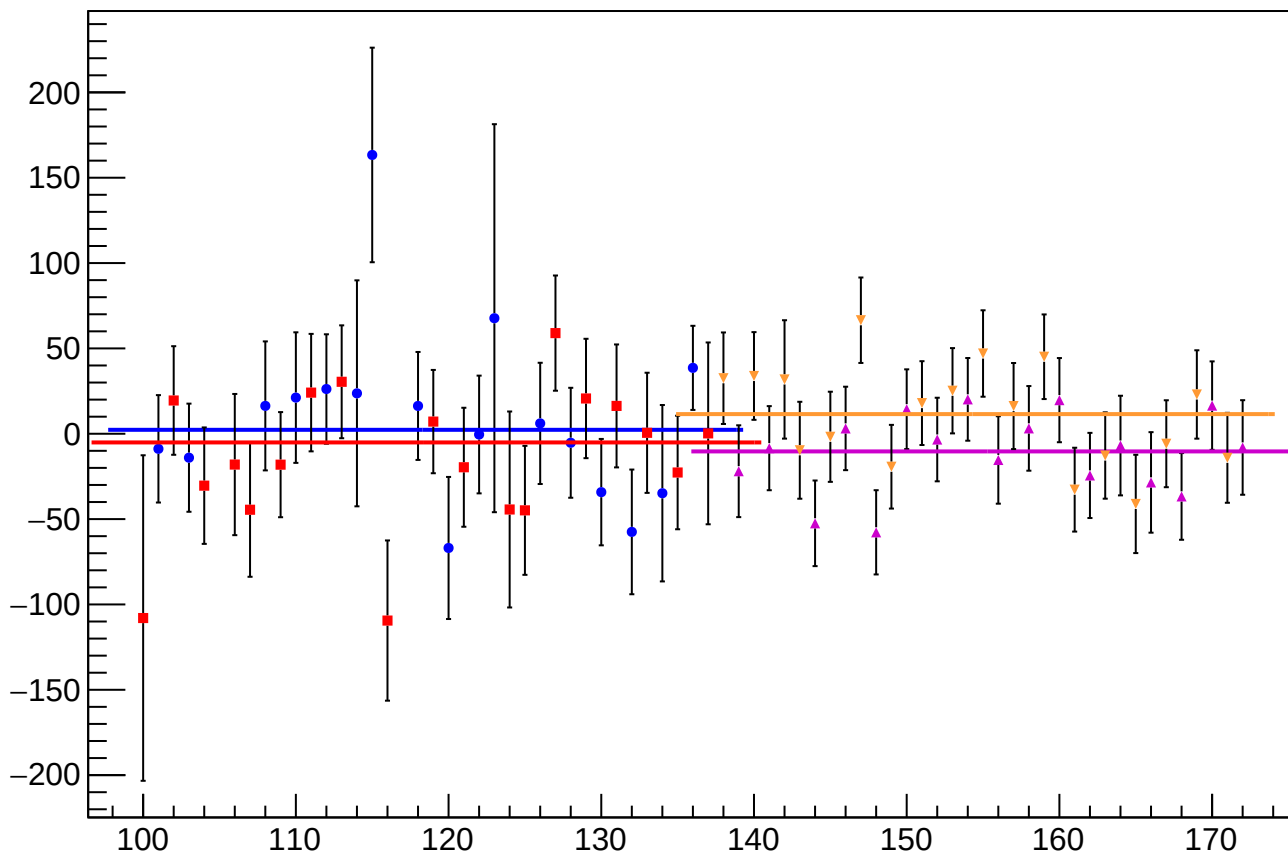
Left In: 180.240 $\pm$ 0.037 χ^2 /NDF:1471497.0/16

+ sign 207.849 $\pm$ 0.034 χ^2 /NDF: 2204079.8/34

All: 191.089 $\pm$ 0.022 χ^2 /NDF: 5616135.1/70

- 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: 11.513 ± 6.132 $\chi^2/\text{NDF}: 22.3/17$

Right Out: -5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

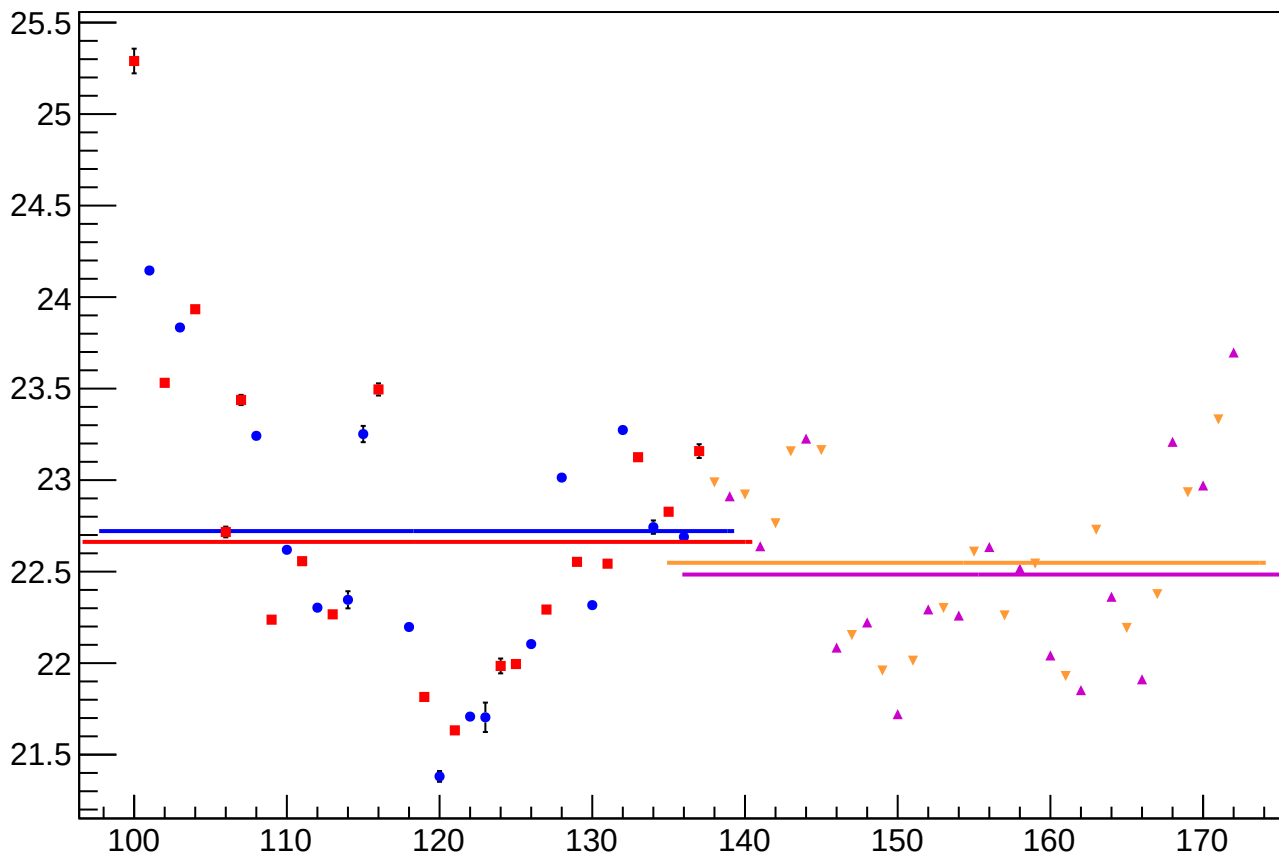
Left In: -10.347 ± 6.176 $\chi^2/\text{NDF}: 14.5/16$

+ sign 8.506 ± 5.032 $\chi^2/\text{NDF}: 41.1/34$

All: -0.077 ± 3.544 $\chi^2/\text{NDF}: 78.7/70$

- 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: 22.548 $\pm$ 0.004 χ^2 /NDF: 10087.0/17

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

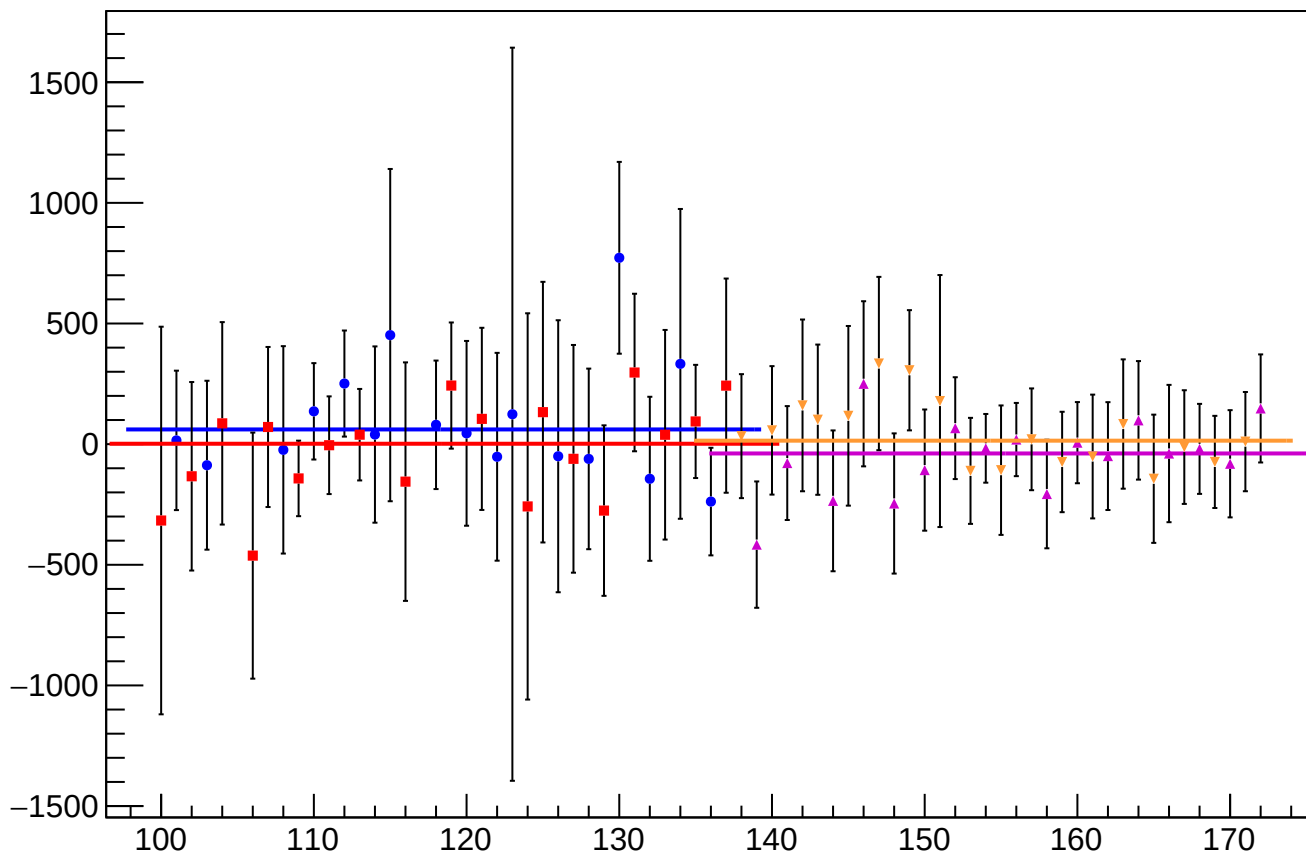
Left In: 22.484 $\pm$ 0.004 χ^2 /NDF: 14482.4/16

+ sign 22.605 $\pm$ 0.004 χ^2 /NDF: 24188.7/34

All: 22.575 $\pm$ 0.003 χ^2 /NDF: 52343.3/70

- 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: 14.393 $\pm$ 60.327 χ^2 /NDF: 4.0/17

Right Out: 1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

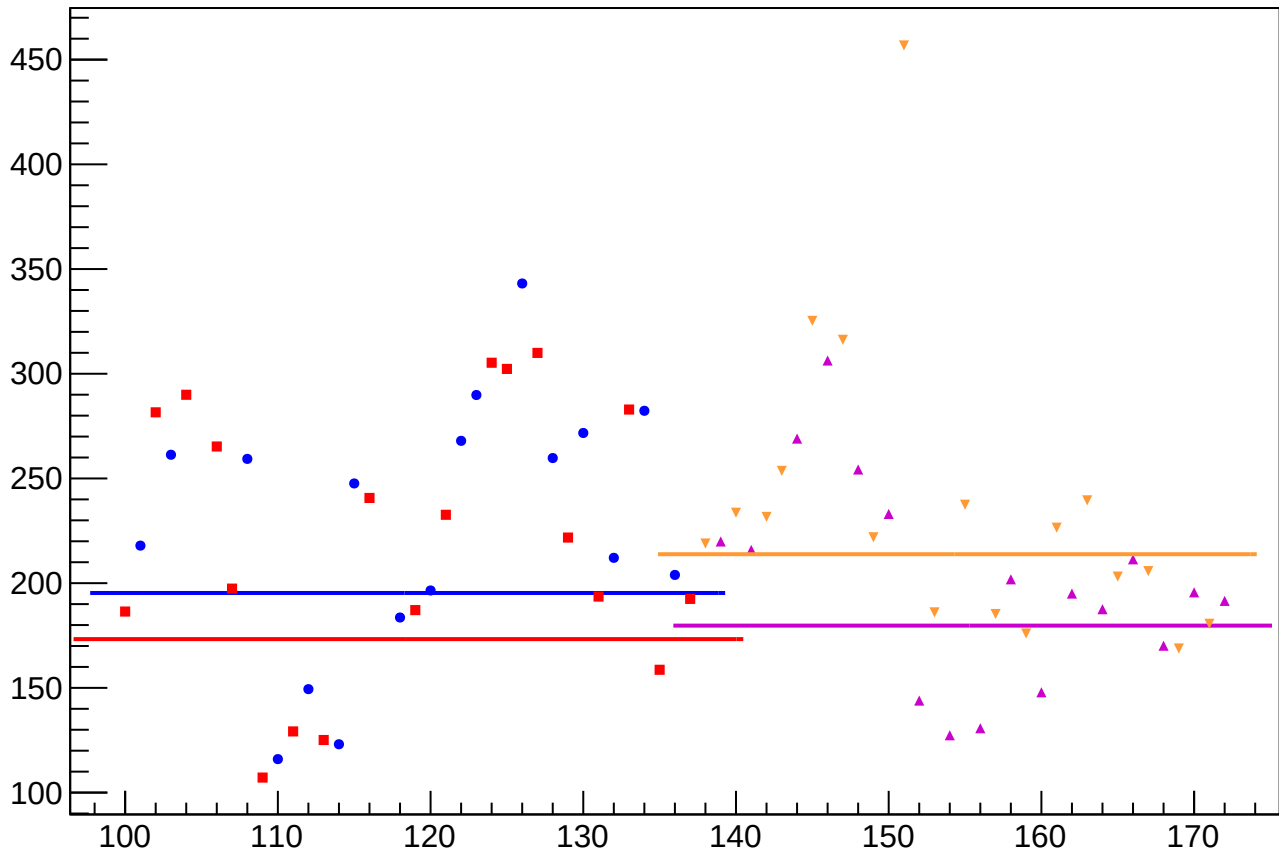
Left In: -38.590 $\pm$ 52.079 χ^2 /NDF: 6.0/16

+ sign 31.221 $\pm$ 48.210 χ^2 /NDF: 11.5/34

All: -0.464 $\pm$ 31.625 χ^2 /NDF: 23.6/70

- 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: 213.822 $\pm$ 0.043 χ^2 /NDF:1168801.1/17

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

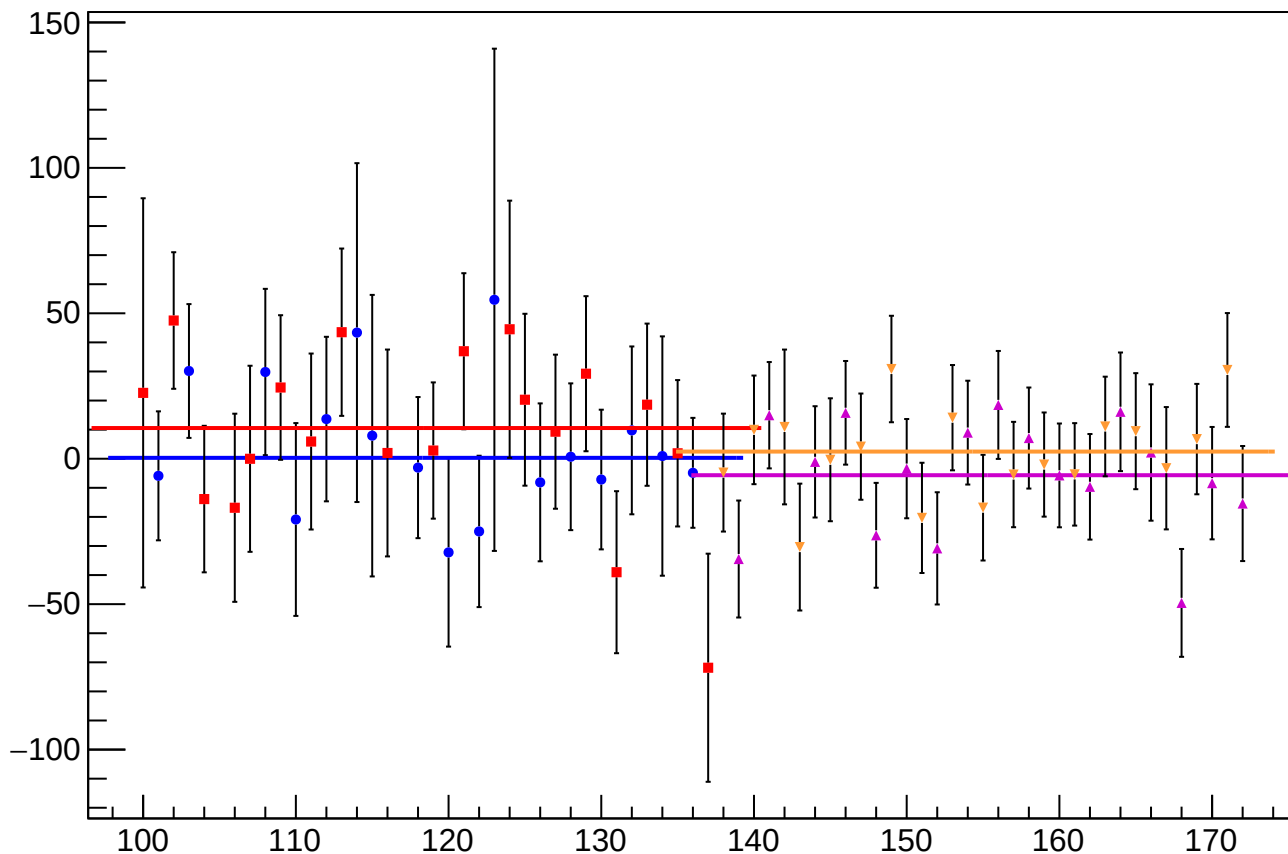
Left In: 179.728 $\pm$ 0.037 χ^2 /NDF:1461589.2/16

+ sign 207.135 $\pm$ 0.034 χ^2 /NDF: 2241030.8/34

All: 190.227 $\pm$ 0.022 χ^2 /NDF: 5723618.9/70

- 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: 2.460 ± 4.523 χ^2/NDF : 11.1/17

Right Out: 10.553 ± 6.628 χ^2/NDF : 16.0/18

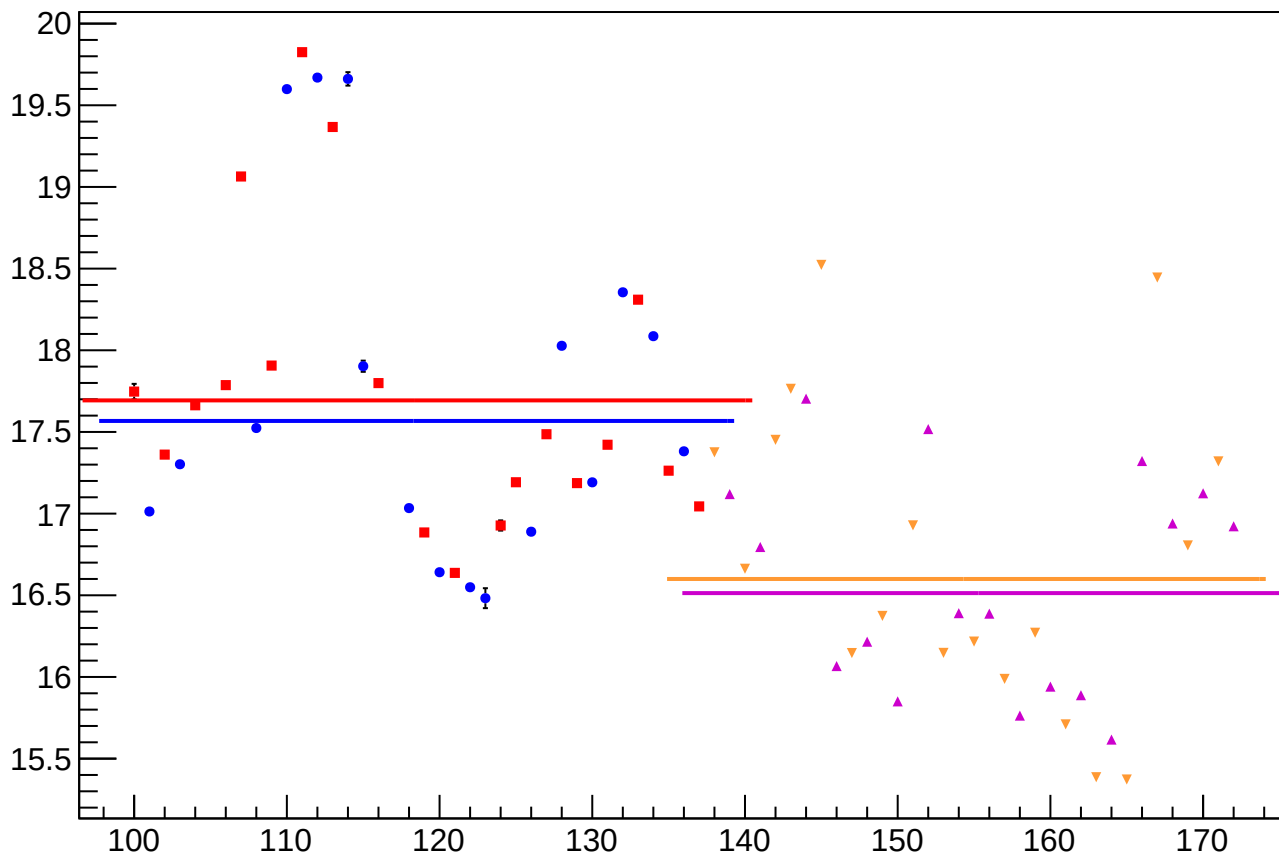
Left In: -5.667 ± 4.543 χ^2/NDF : 17.9/16

+ sign 1.801 ± 3.768 χ^2/NDF : 17.9/34

All: 0.653 ± 2.657 χ^2/NDF : 56.2/70

- 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: 16.600 $\pm$ 0.003 χ^2 /NDF: 75574.7/17

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

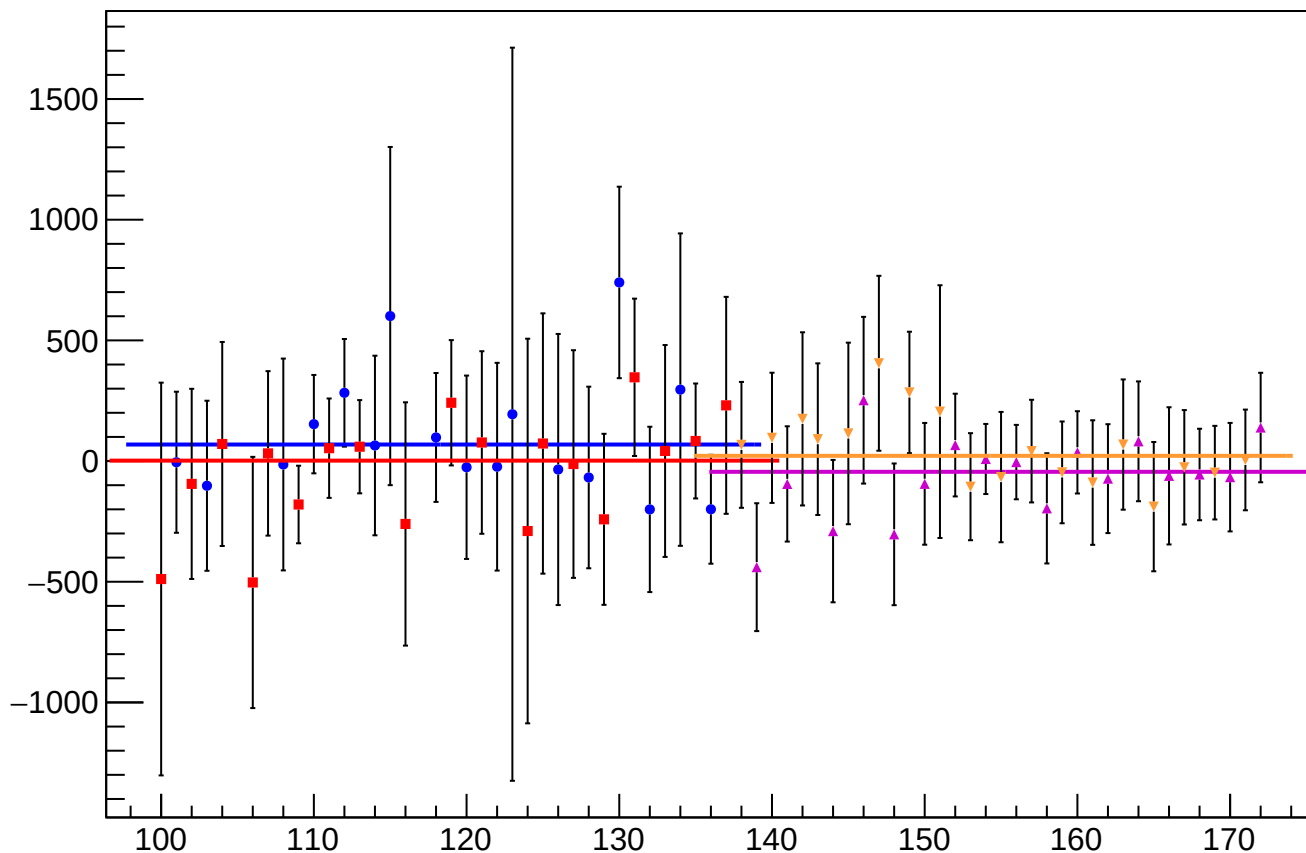
Left In: 16.513 $\pm$ 0.003 χ^2 /NDF: 38784.9/16

+ sign 16.896 $\pm$ 0.003 χ^2 /NDF: 136715.9/34

All: 16.893 $\pm$ 0.002 χ^2 /NDF: 249383.4/70

- 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 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 21.751 $\pm$ 60.943 χ^2 /NDF: 4.3/17

Right Out: 1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

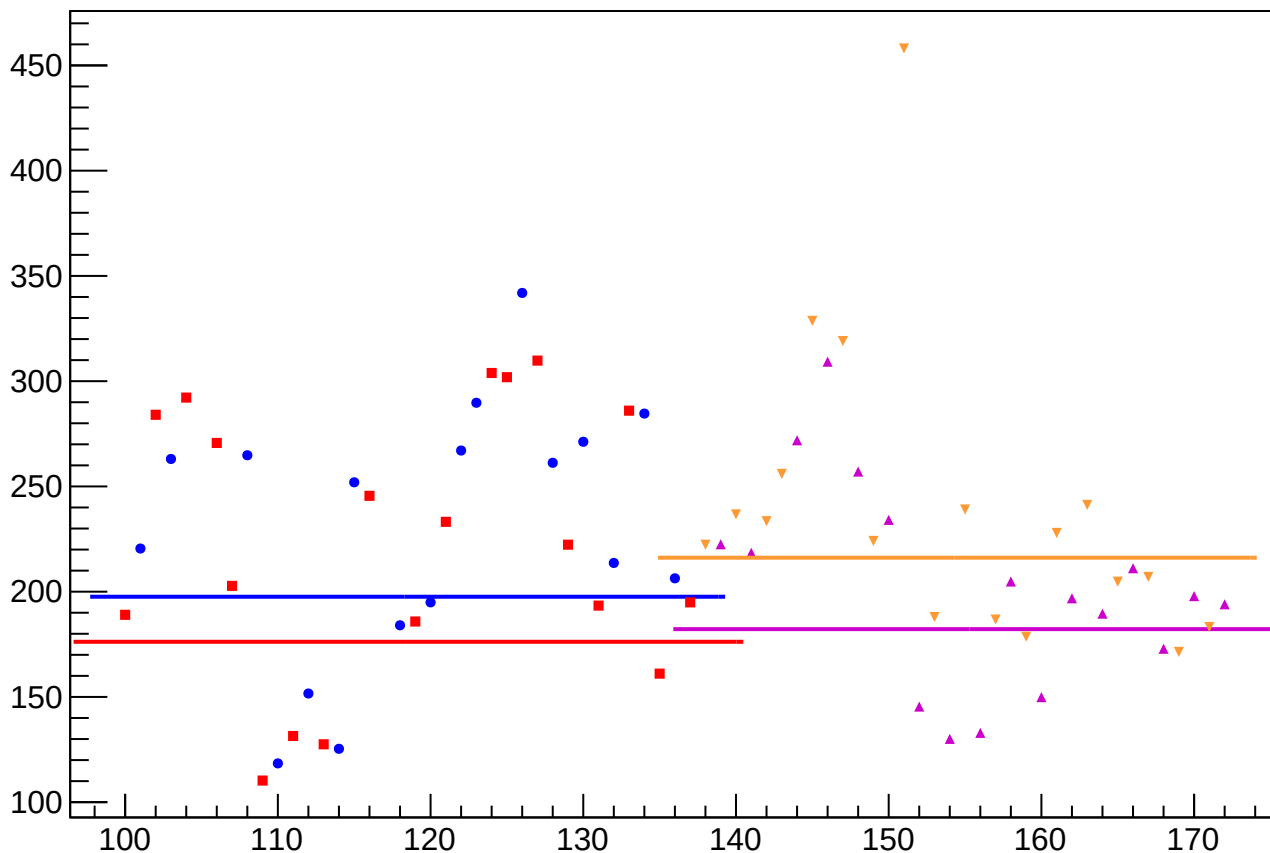
Left In: -44.506 $\pm$ 52.743 χ^2 /NDF: 6.6/16

+ sign 38.663 $\pm$ 48.703 χ^2 /NDF: 11.8/34

All: 0.675 $\pm$ 32.001 χ^2 /NDF: 25.9/70

- sign -28.189 $\pm$ 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: 216.141 $\pm$ 0.043 χ^2 /NDF: 1151363.5/17

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

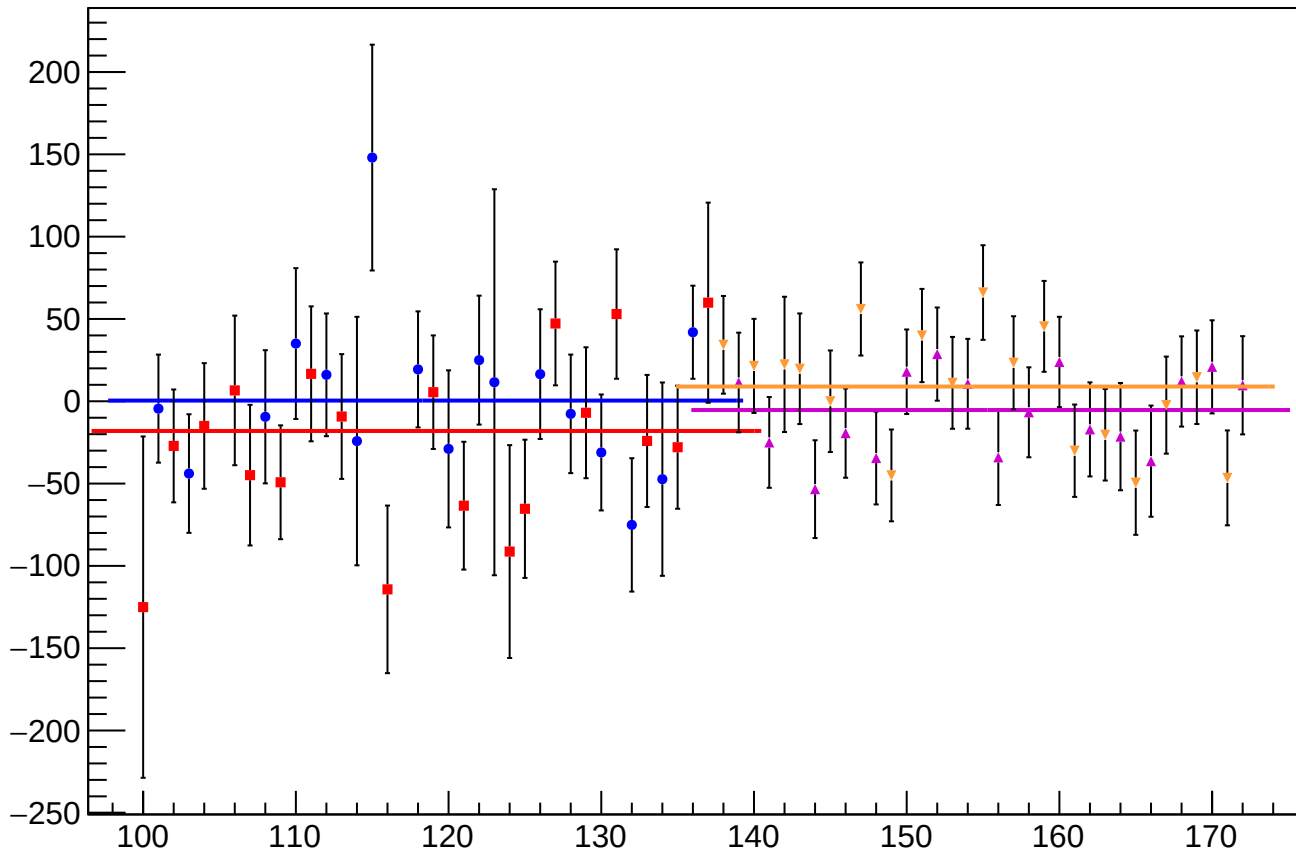
Left In: 182.211 $\pm$ 0.037 χ^2 /NDF: 1426950.5/16

+ sign 209.442 $\pm$ 0.034 χ^2 /NDF: 2187059.9/34

All: 192.766 $\pm$ 0.023 χ^2 /NDF: 5555657.1/70

- 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: 8.942 ± 6.920 χ^2/NDF : 25.2/17

Right Out: -18.044 ± 9.499 χ^2/NDF : 19.5/18

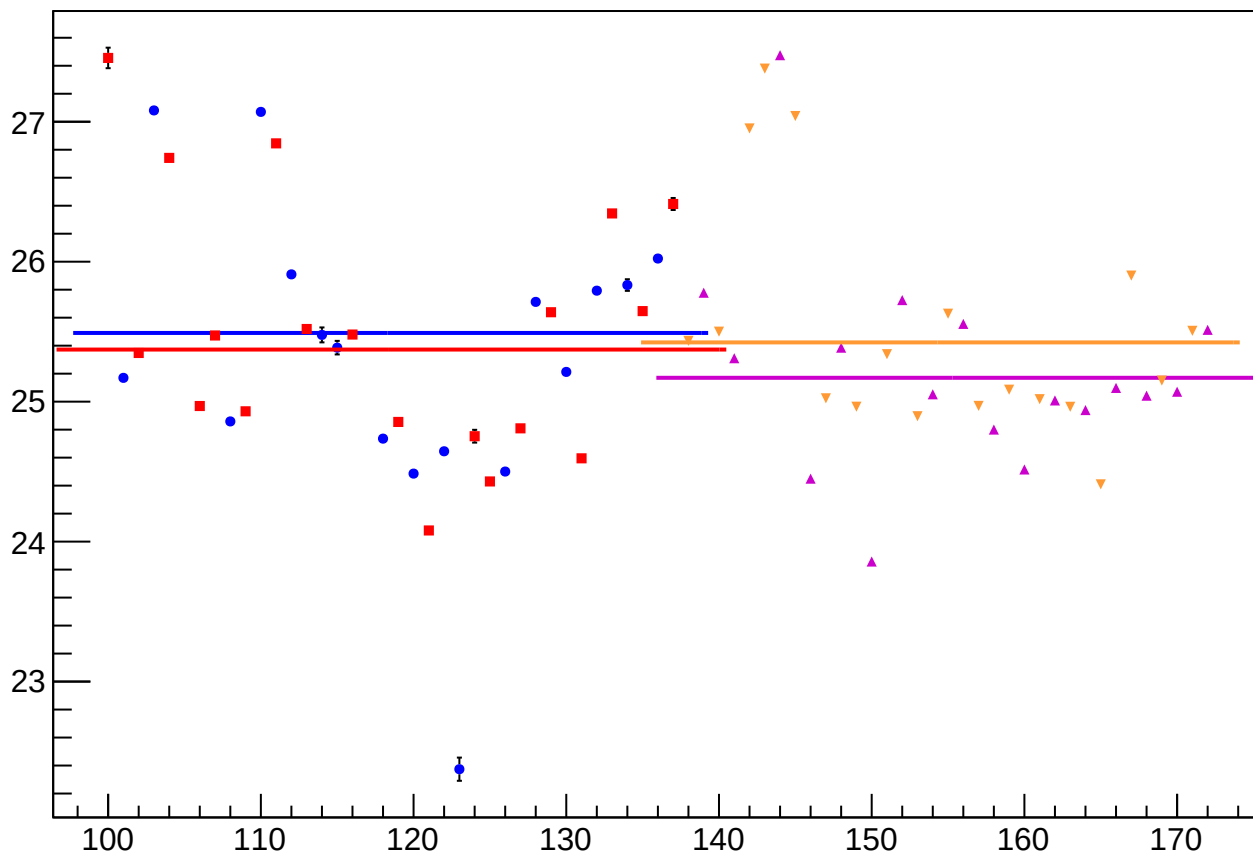
Left In: -5.332 ± 6.921 χ^2/NDF : 12.3/16

+ sign 6.141 ± 5.669 χ^2/NDF : 41.2/34

All: -1.906 ± 3.982 χ^2/NDF : 78.1/70

- 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: 25.423 $\pm$ 0.005 χ^2 /NDF: 21392.6/17

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

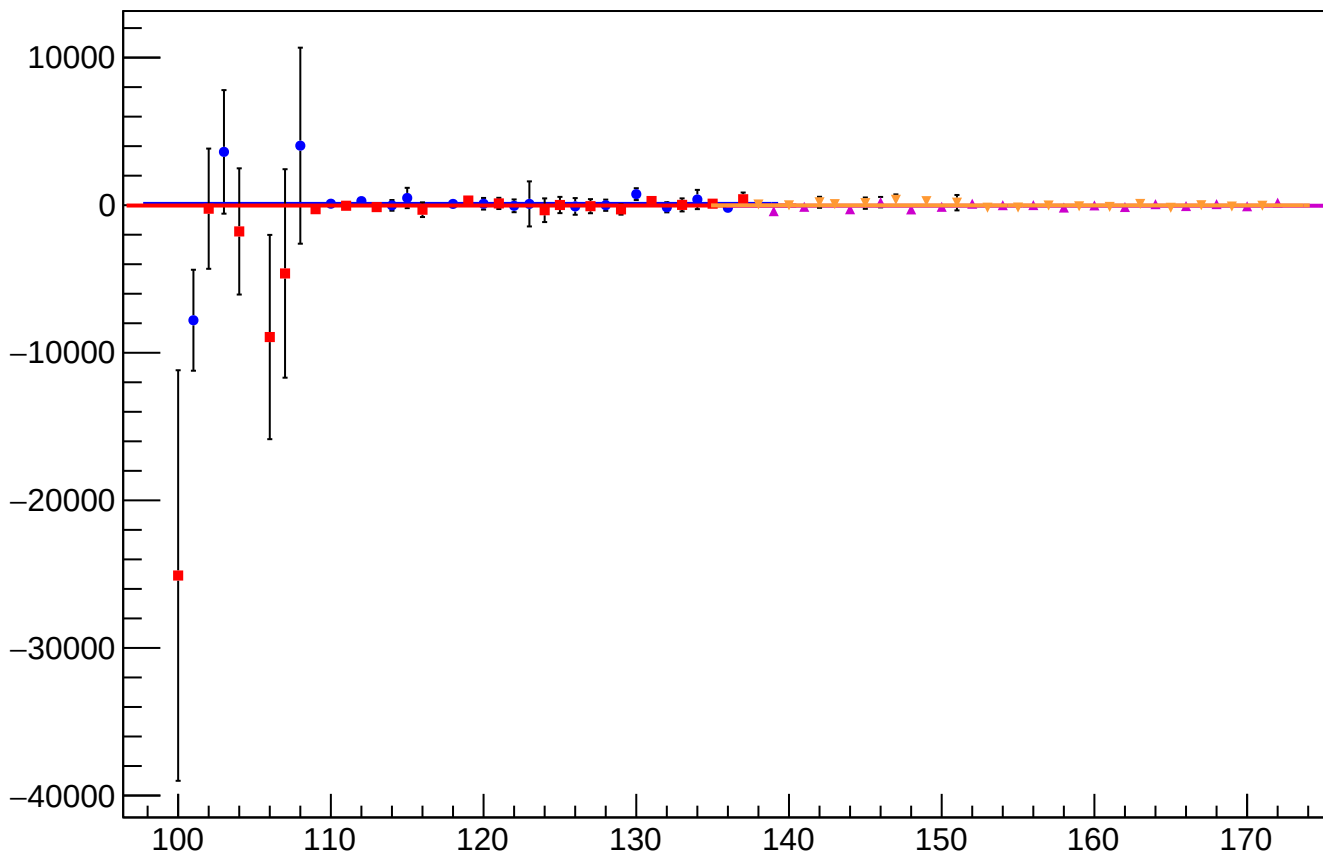
Left In: 25.170 $\pm$ 0.005 χ^2 /NDF: 22842.6/16

+ sign 25.446 $\pm$ 0.004 χ^2 /NDF: 35168.4/34

All: 25.342 $\pm$ 0.003 χ^2 /NDF: 73477.8/70

- 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: -12.510+/-61.317 χ^2/NDF : 4.7/17

Right Out: -23.352+/-80.948 χ^2/NDF : 11.9/18

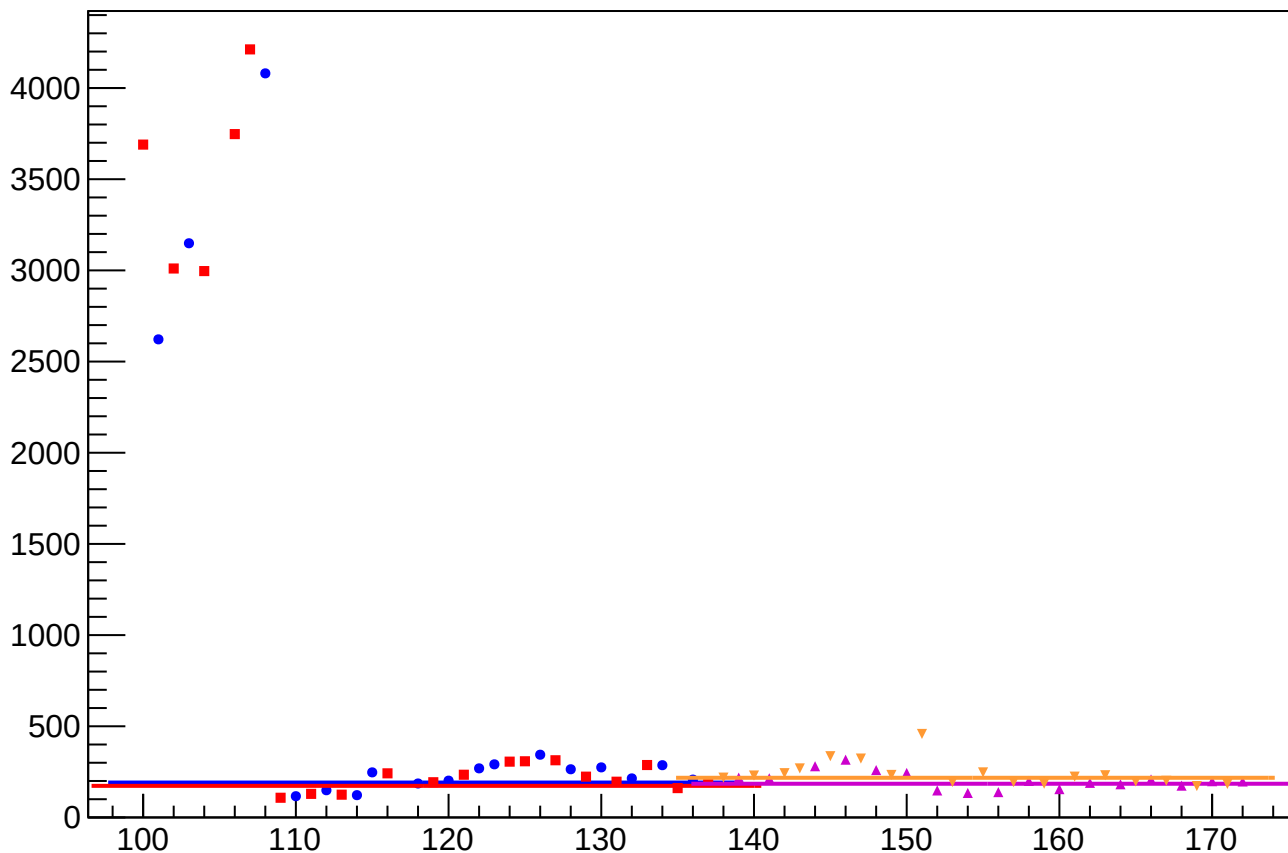
Left In: -37.652+/-53.360 χ^2/NDF : 6.3/16

+ sign 19.659+/-50.387 χ^2/NDF : 18.0/34

All: -10.075+/-33.376 χ^2/NDF : 36.9/70

- 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: 217.576+/-0.043 χ^2/NDF : 1151631.9/17

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

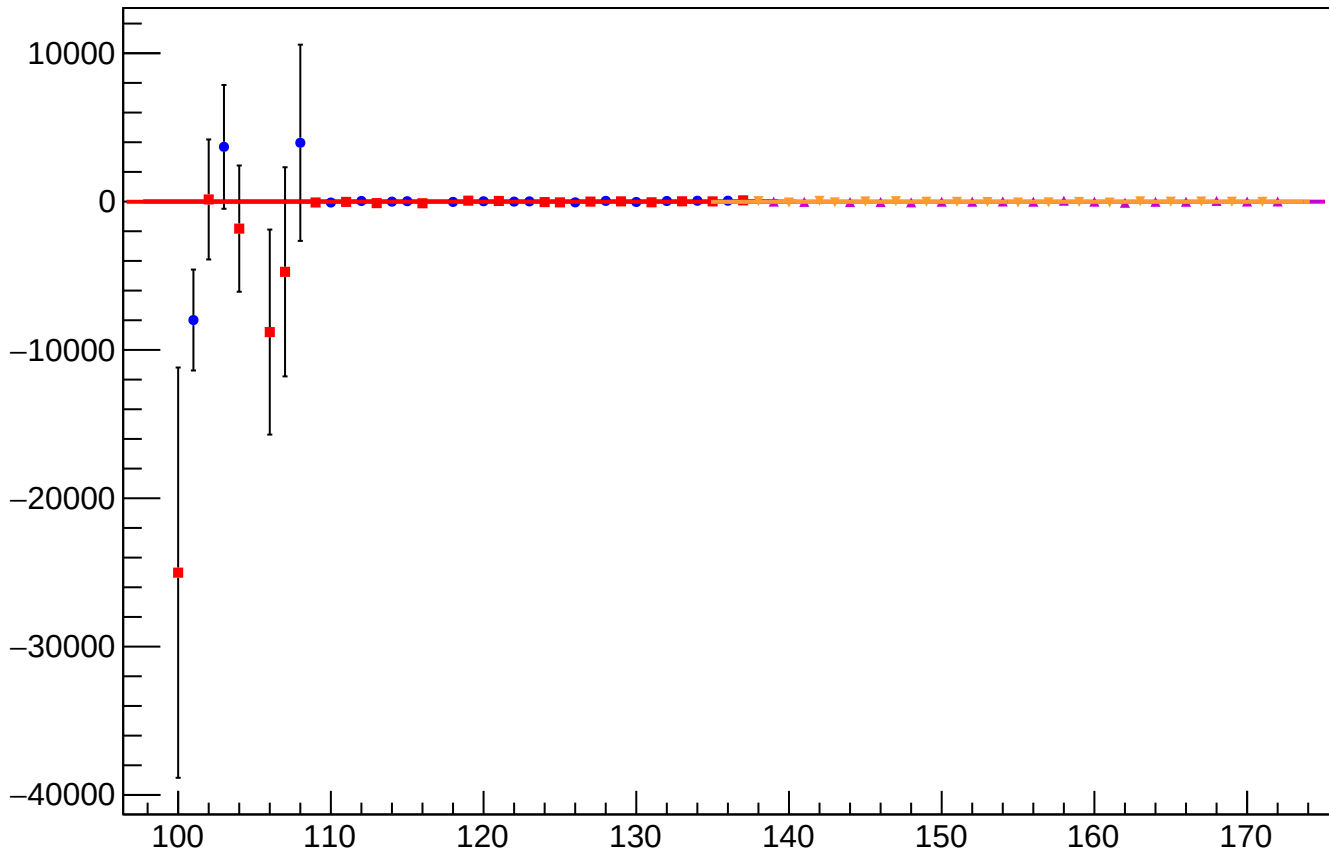
Left In: 184.809+/-0.038 χ^2/NDF : 1319501.8/16

+ sign 209.101+/-0.036 χ^2/NDF : 4842432.5/34

All: 193.511+/-0.024 χ^2/NDF : 10738716.7/70

- 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 $\pm$ 12.282 χ^2 /NDF: 18.4/16

Left Out: -16.883 $\pm$ 7.877 χ^2 /NDF: 16.7/17

Right Out: -12.668 $\pm$ 12.232 χ^2 /NDF: 24.8/18

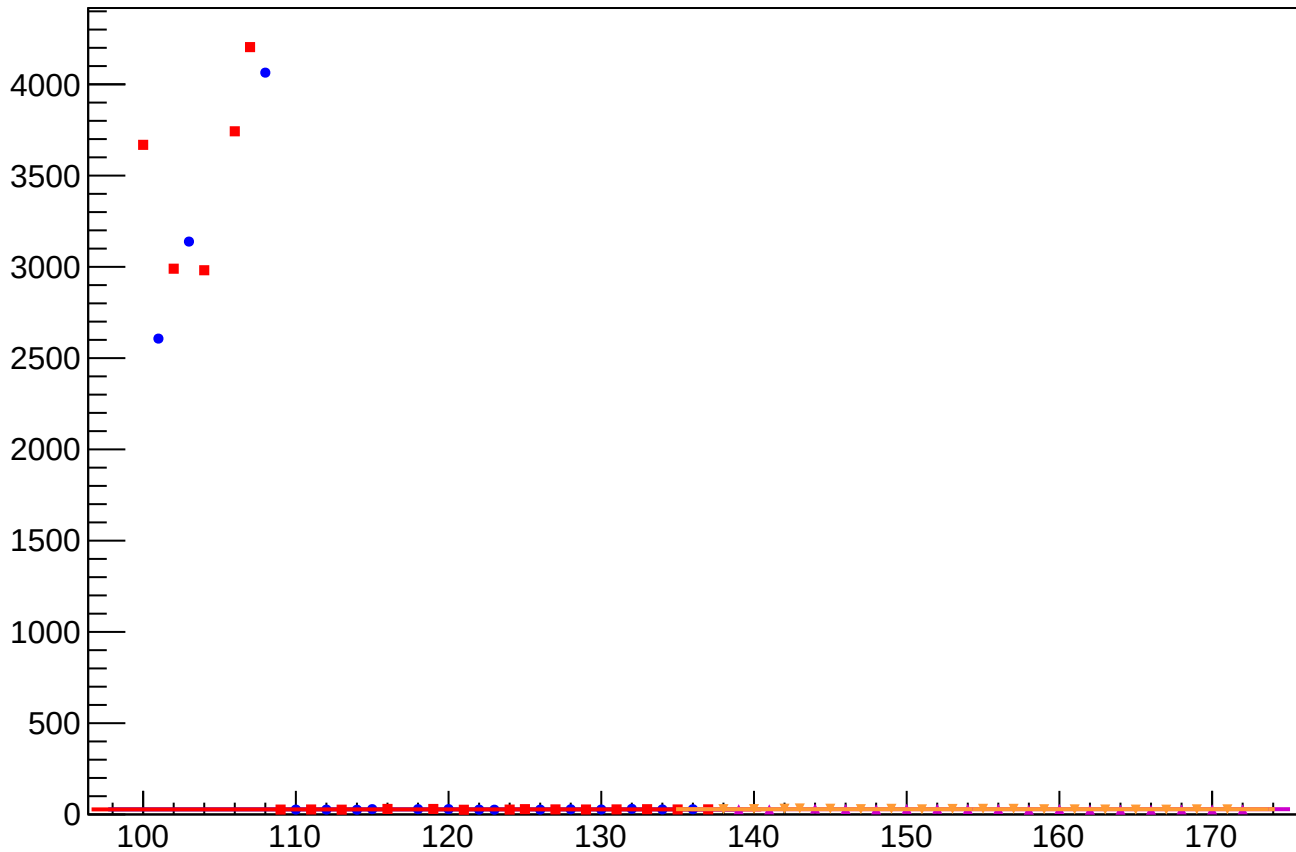
Left In: -6.855 $\pm$ 7.945 χ^2 /NDF: 17.6/16

+ sign -8.965 $\pm$ 6.630 χ^2 /NDF: 38.5/34

All: -8.774 $\pm$ 4.700 χ^2 /NDF: 81.2/70

- sign -8.580 $\pm$ 6.663 χ^2 /NDF: 42.6/35

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855 $\pm$ 0.009 χ^2 /NDF: 3027666.8/16

Left Out: 28.880 $\pm$ 0.006 χ^2 /NDF: 96534.7/17

Right Out: 27.695 $\pm$ 0.009 χ^2 /NDF: 3476852.9/18

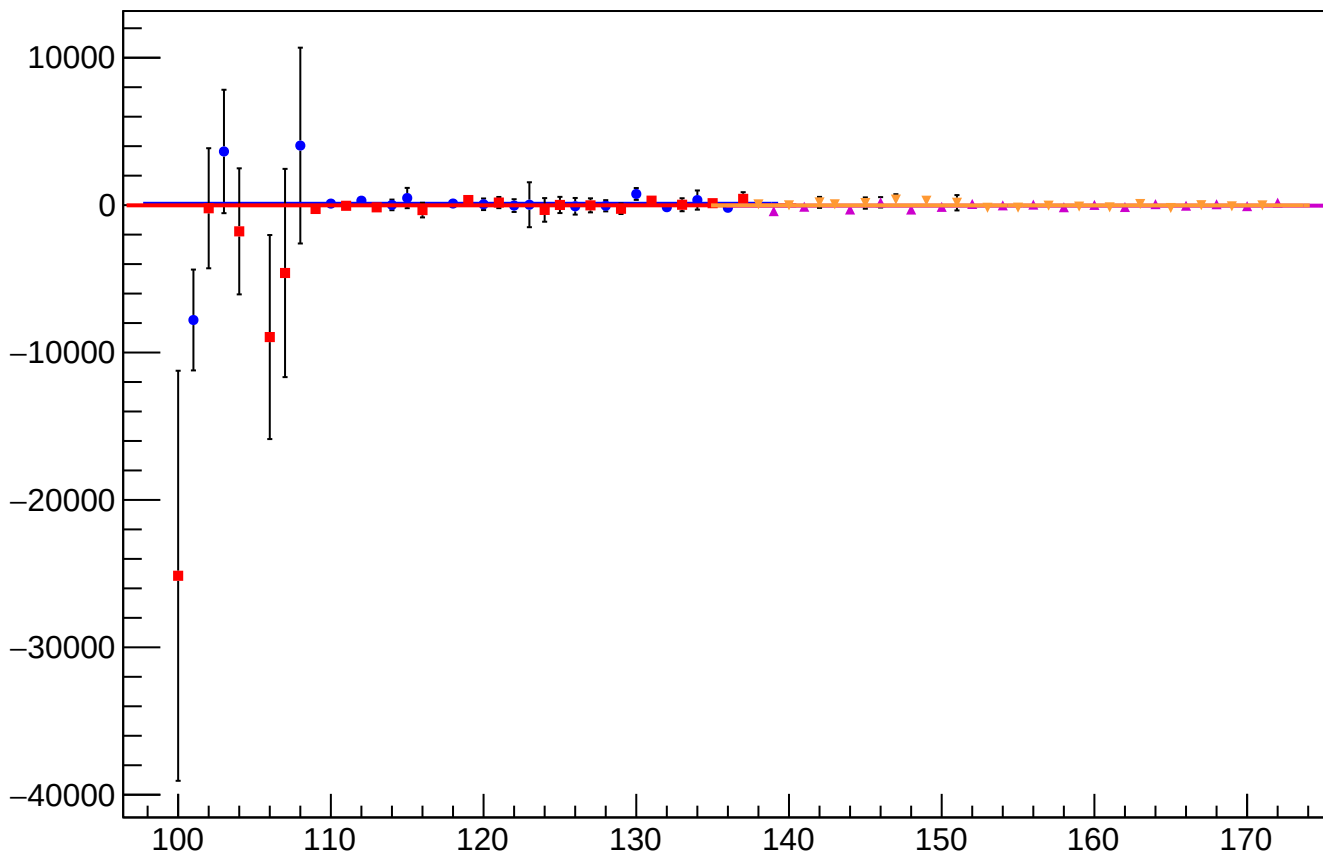
Left In: 28.819 $\pm$ 0.006 χ^2 /NDF: 111324.9/16

+ sign 28.581 $\pm$ 0.005 χ^2 /NDF: 3134070.1/34

All: 28.533 $\pm$ 0.003 χ^2 /NDF: 6734330.9/70

- sign 28.485 $\pm$ 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: -16.431+/-61.183 χ^2/NDF : 5.3/17

Right Out: -13.341+/-80.686 χ^2/NDF : 12.7/18

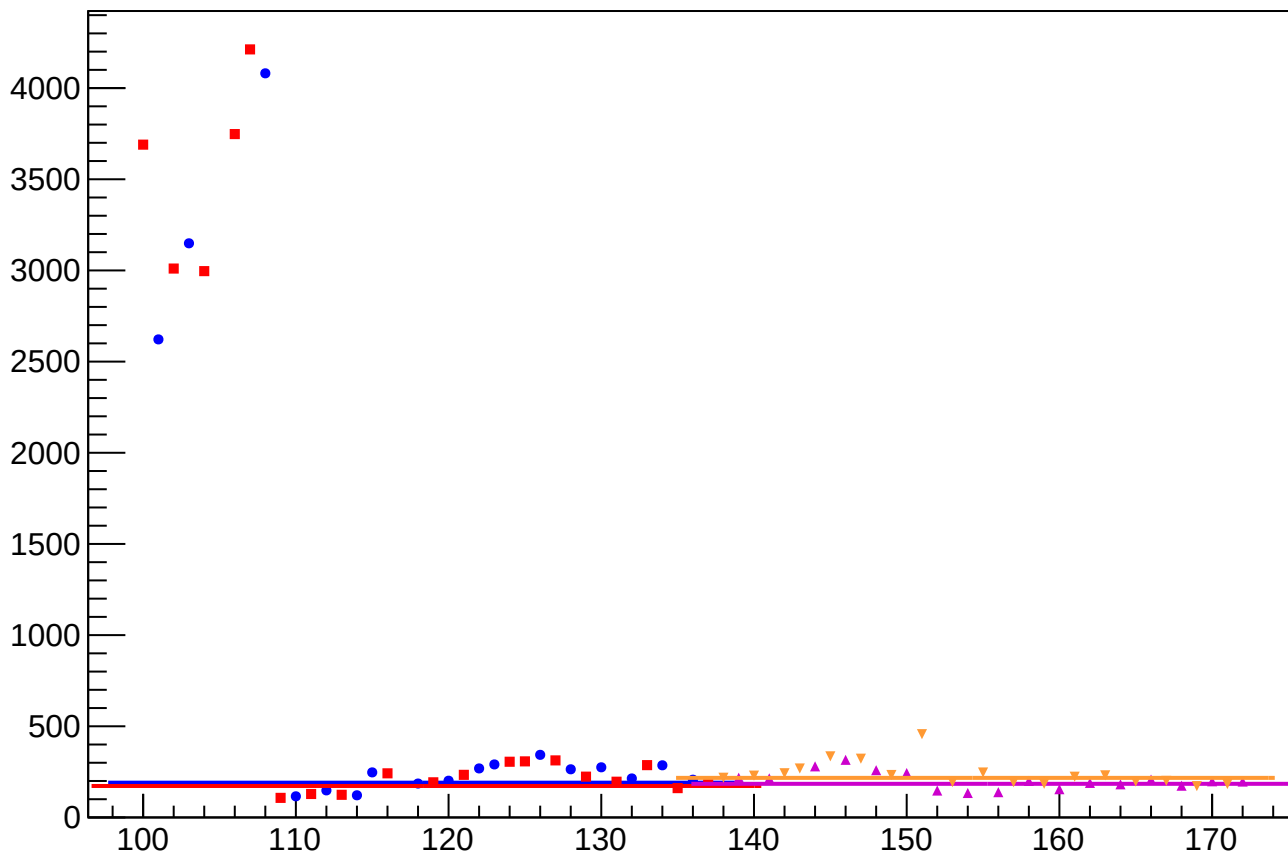
Left In: -36.341+/-53.256 χ^2/NDF : 6.4/16

+ sign 18.424+/-50.262 χ^2/NDF : 19.1/34

All: -8.392+/-33.296 χ^2/NDF : 38.7/70

- 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 $\pm$ 0.062 χ^2 /NDF: 3585034.0/16

Left Out: 217.104 $\pm$ 0.043 χ^2 /NDF: 1151457.0/17

Right Out: 172.629 $\pm$ 0.057 χ^2 /NDF: 4218625.1/18

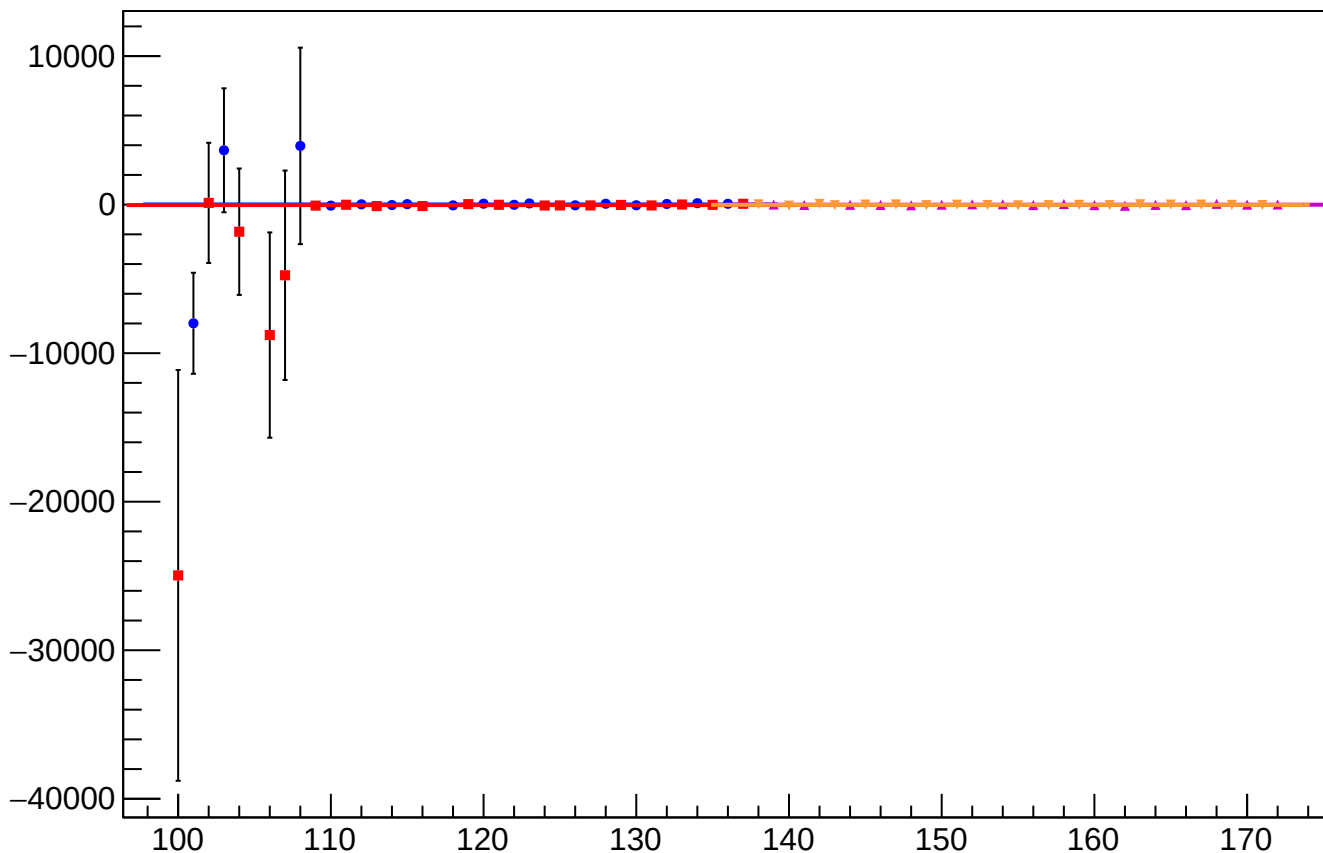
Left In: 184.452 $\pm$ 0.038 χ^2 /NDF: 1319240.3/16

+ sign 208.542 $\pm$ 0.036 χ^2 /NDF: 4856954.9/34

All: 193.010 $\pm$ 0.024 χ^2 /NDF: 10765047.2/70

- sign 180.864 $\pm$ 0.031 χ^2 /NDF: 5567775.7/35

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -13.679 $\pm$ 7.931 χ^2 /NDF: 11.8/17

Right Out: -29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

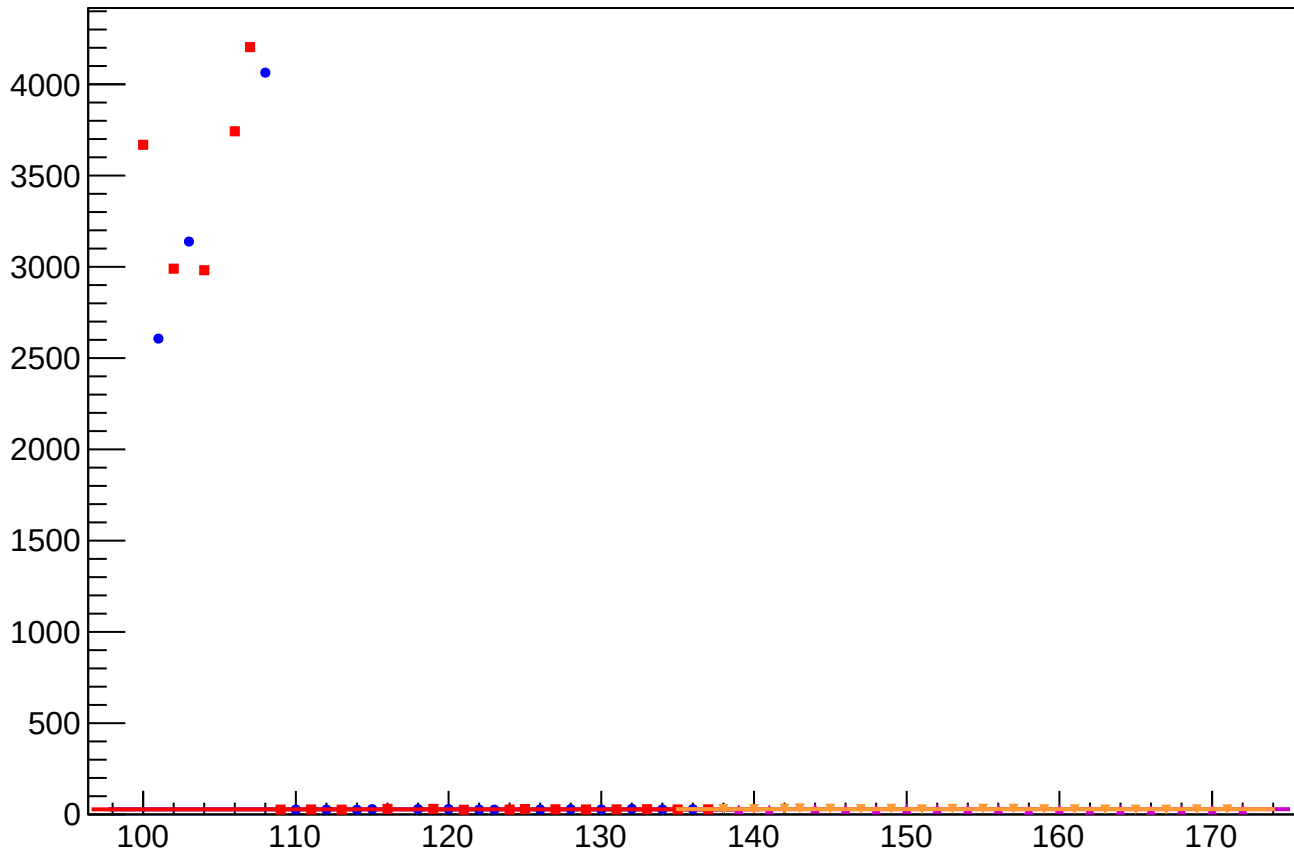
Left In: -5.769 $\pm$ 7.992 χ^2 /NDF: 17.6/16

+ sign -7.187 $\pm$ 6.676 χ^2 /NDF: 37.3/34

All: -9.959 $\pm$ 4.732 χ^2 /NDF: 74.7/70

- sign -12.757 $\pm$ 6.707 χ^2 /NDF: 37.0/35

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: 29.074 $\pm$ 0.006 χ^2 /NDF: 102128.8/17

Right Out: 27.918 $\pm$ 0.009 χ^2 /NDF: 3479690.8/18

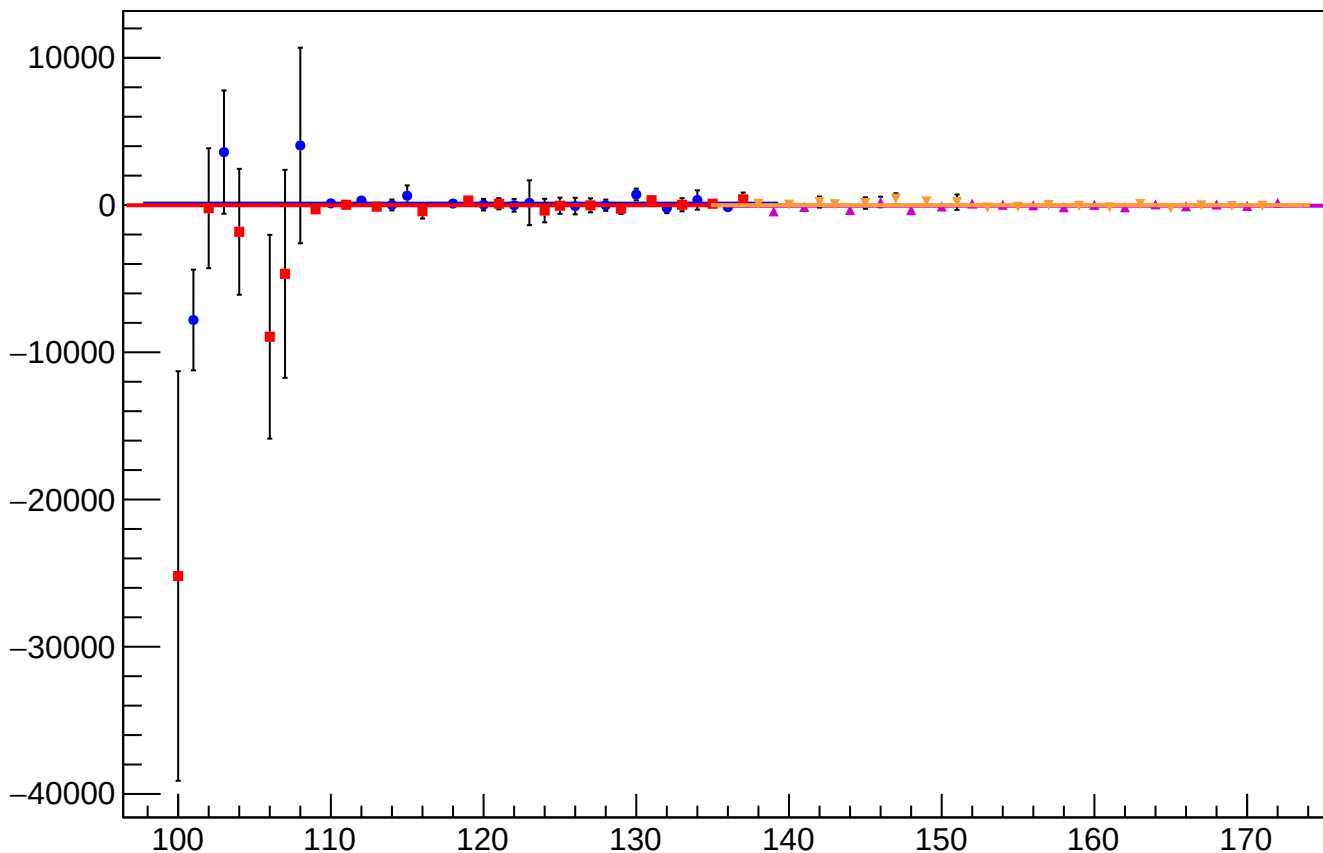
Left In: 28.991 $\pm$ 0.006 χ^2 /NDF: 112352.0/16

+ sign 28.774 $\pm$ 0.005 χ^2 /NDF: 3139867.9/34

All: 28.724 $\pm$ 0.003 χ^2 /NDF: 6742805.5/70

- 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 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: -5.841 $\pm$ 61.914 χ^2 /NDF: 5.1/17

Right Out: -11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

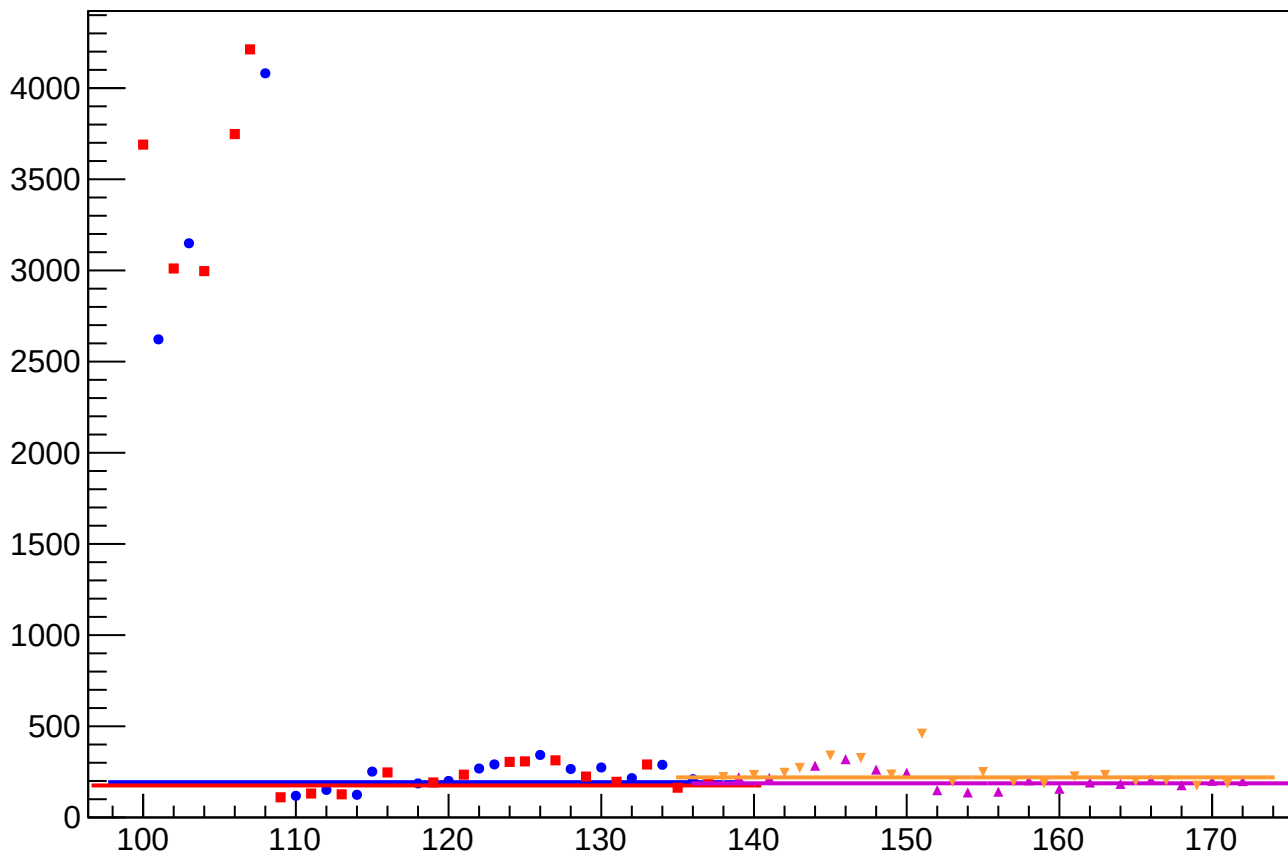
Left In: -44.019 $\pm$ 54.005 χ^2 /NDF: 7.0/16

+ sign 27.967 $\pm$ 50.863 χ^2 /NDF: 18.5/34

All: -6.868 $\pm$ 33.730 χ^2 /NDF: 38.7/70

- sign -34.212 $\pm$ 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: 219.811 $\pm$ 0.044 χ^2 /NDF:1137892.2/17

Right Out: 175.509 $\pm$ 0.058 χ^2 /NDF: 4165575.9/18

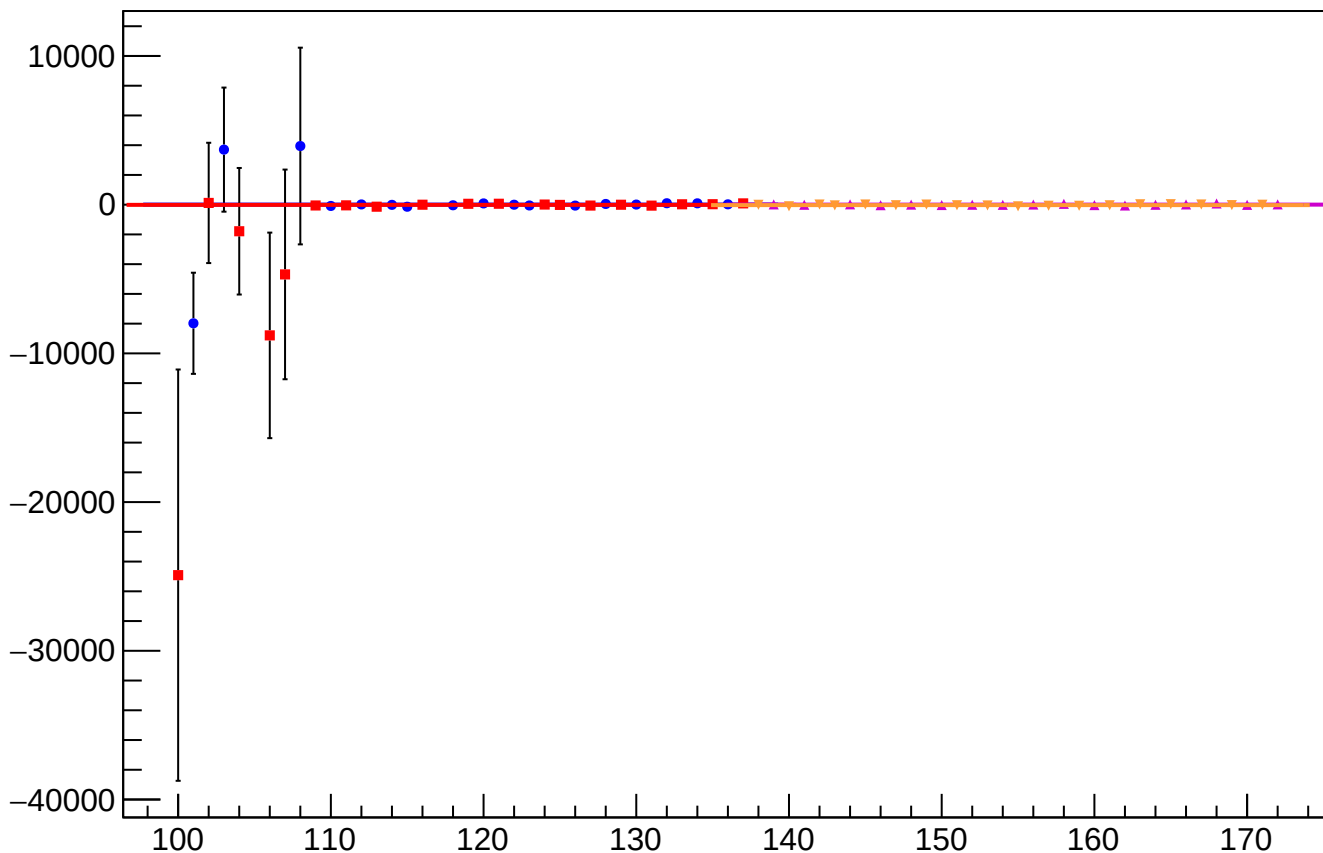
Left In: 187.217 $\pm$ 0.038 χ^2 /NDF:1289753.2/16

+ sign 211.262 $\pm$ 0.036 χ^2 /NDF: 4792119.0/34

All: 195.799 $\pm$ 0.024 χ^2 /NDF: 10605919.9/70

- 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: -29.500 $\pm$ 9.449 χ^2 /NDF:19.9/17

Right Out: -12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

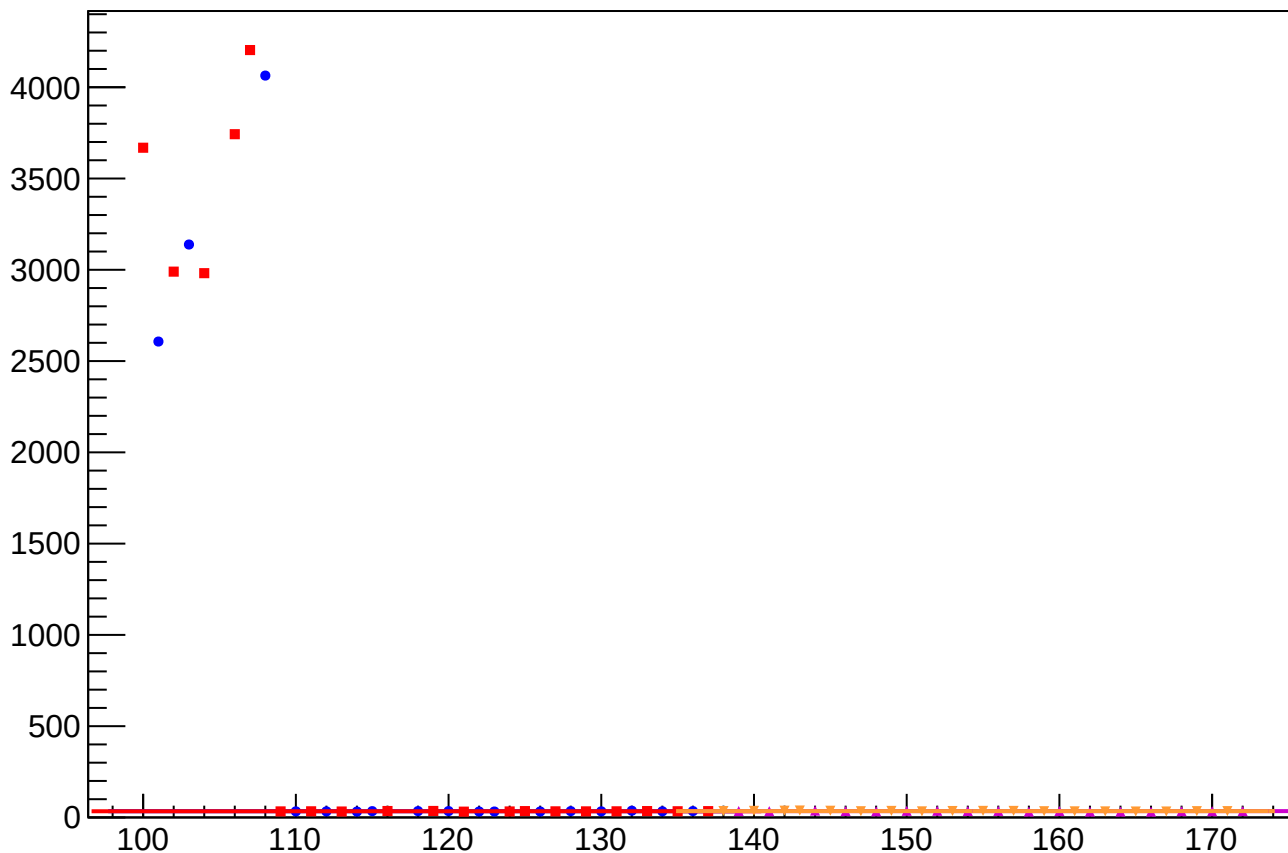
Left In: 3.444 $\pm$ 9.550 χ^2 /NDF:12.0/16

+ sign -19.587 $\pm$ 8.003 χ^2 /NDF: 44.3/34

All: -10.384 $\pm$ 5.675 χ^2 /NDF: 81.7/70

- 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: 34.699 $\pm$ 0.007 χ^2 /NDF: 46889.6/17

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

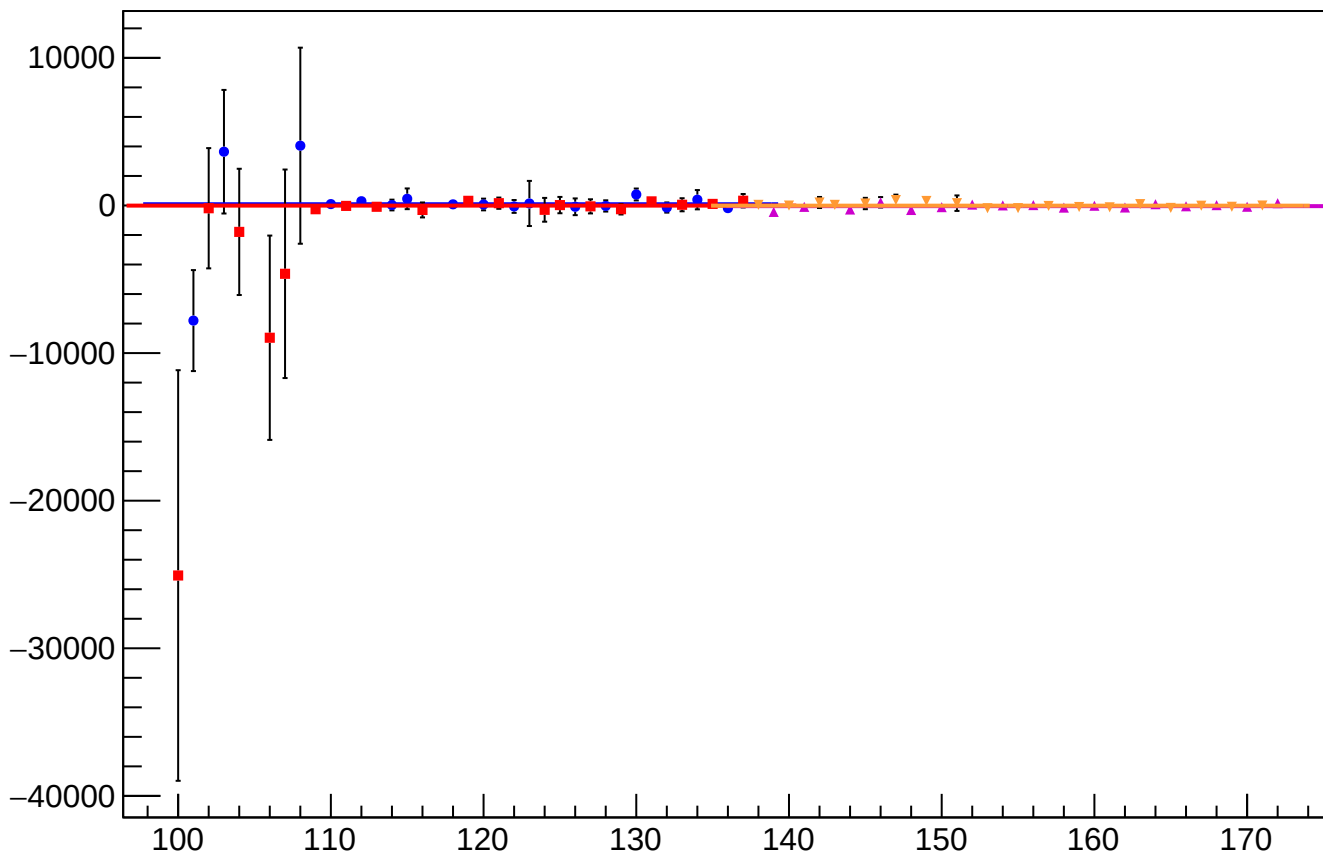
Left In: 34.709 $\pm$ 0.007 χ^2 /NDF: 52025.1/16

+ sign 34.549 $\pm$ 0.006 χ^2 /NDF: 3055194.0/34

All: 34.514 $\pm$ 0.004 χ^2 /NDF: 6563238.9/70

- 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: -12.033+/-61.791 χ^2/NDF : 5.1/17

Right Out: -8.565+/-81.257 χ^2/NDF : 11.1/18

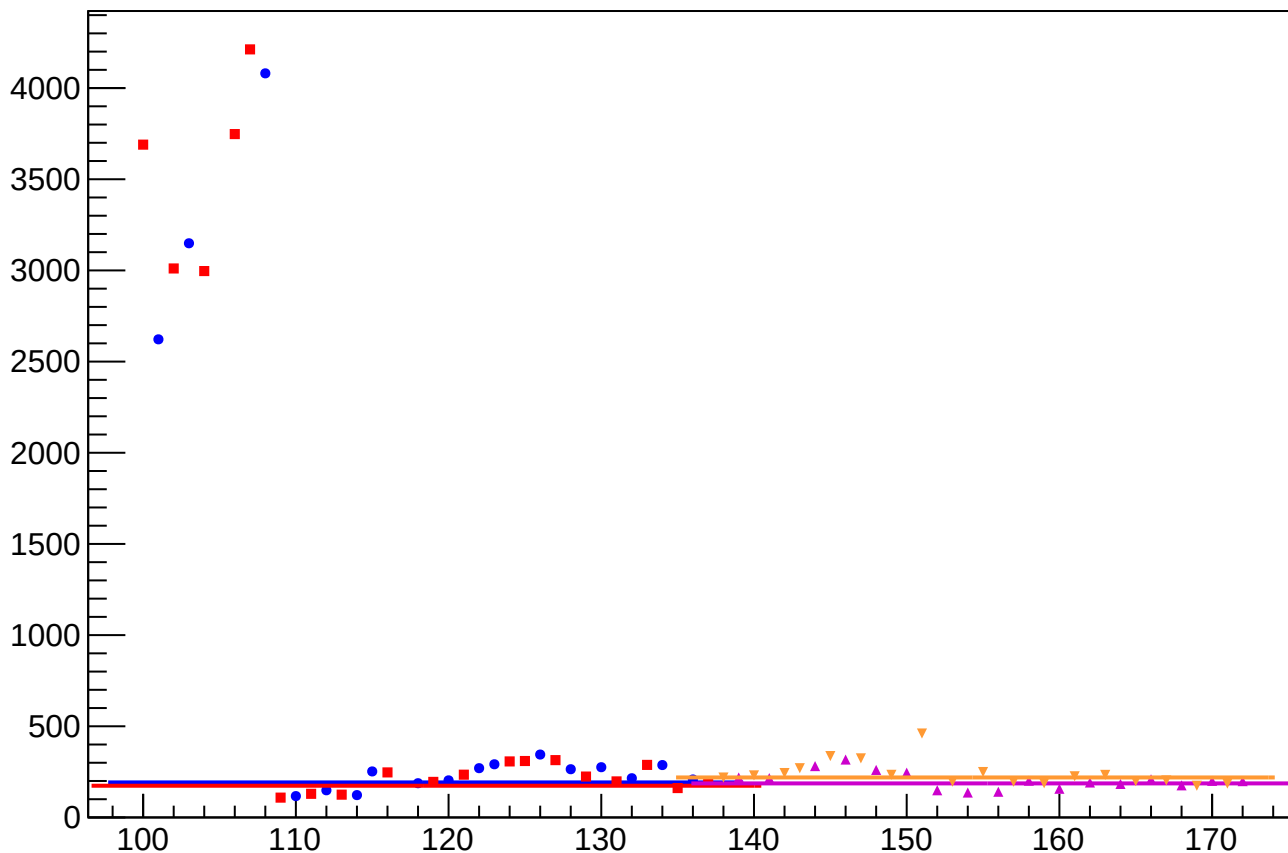
Left In: -44.357+/-53.864 χ^2/NDF : 6.3/16

+ sign 19.487+/-50.710 χ^2/NDF : 18.5/34

All: -10.178+/-33.615 χ^2/NDF : 36.6/70

- 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: 219.389+/-0.044 χ^2/NDF : 1129018.2/17

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

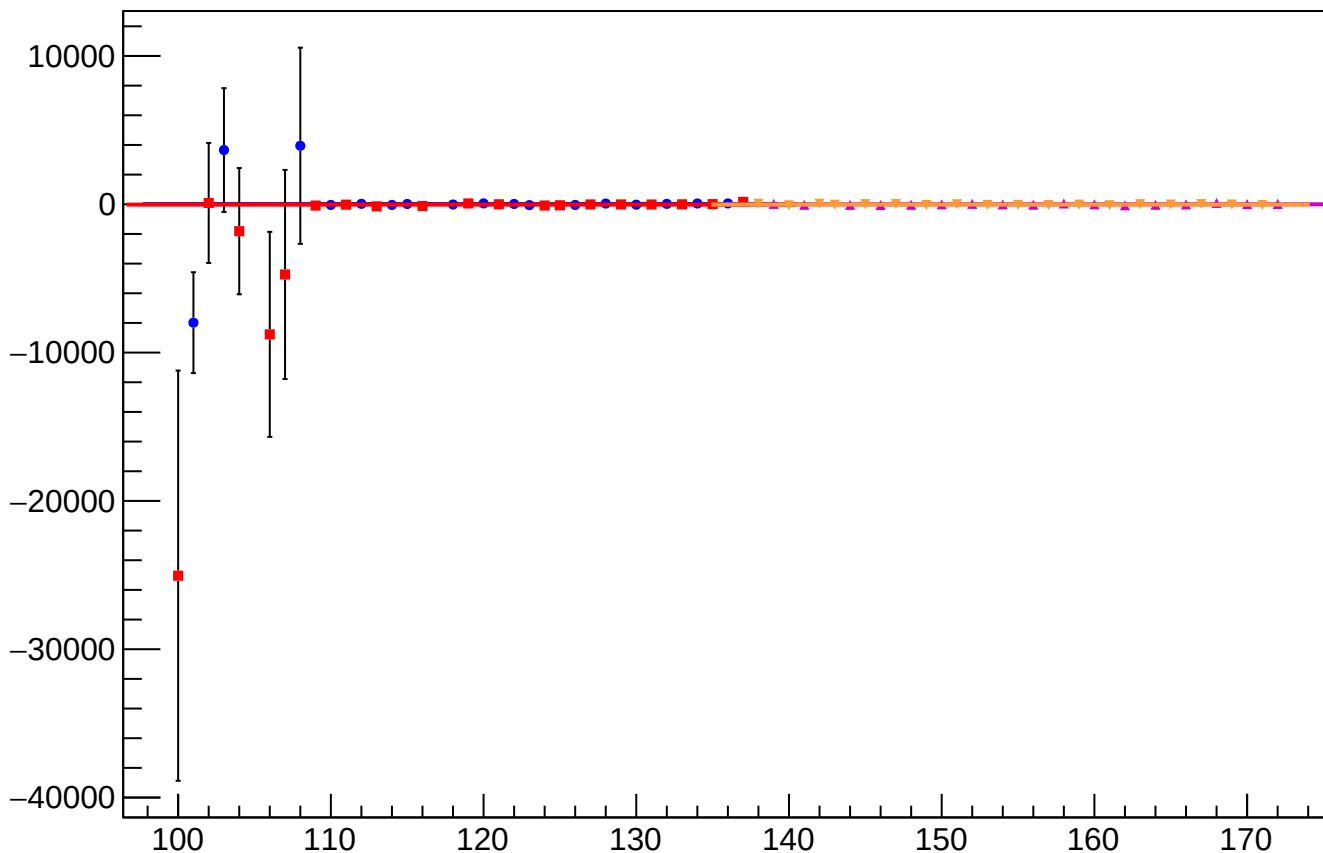
Left In: 186.736+/-0.038 χ^2/NDF : 1277721.3/16

+ sign 210.504+/-0.036 χ^2/NDF : 4830279.2/34

All: 194.994+/-0.024 χ^2/NDF : 10687725.6/70

- 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 $\pm$ 13.723 χ^2/NDF : 14.6/16

Left Out: -21.126 $\pm$ 8.563 χ^2/NDF : 12.5/17

Right Out: -22.618 $\pm$ 13.660 χ^2/NDF : 28.0/18

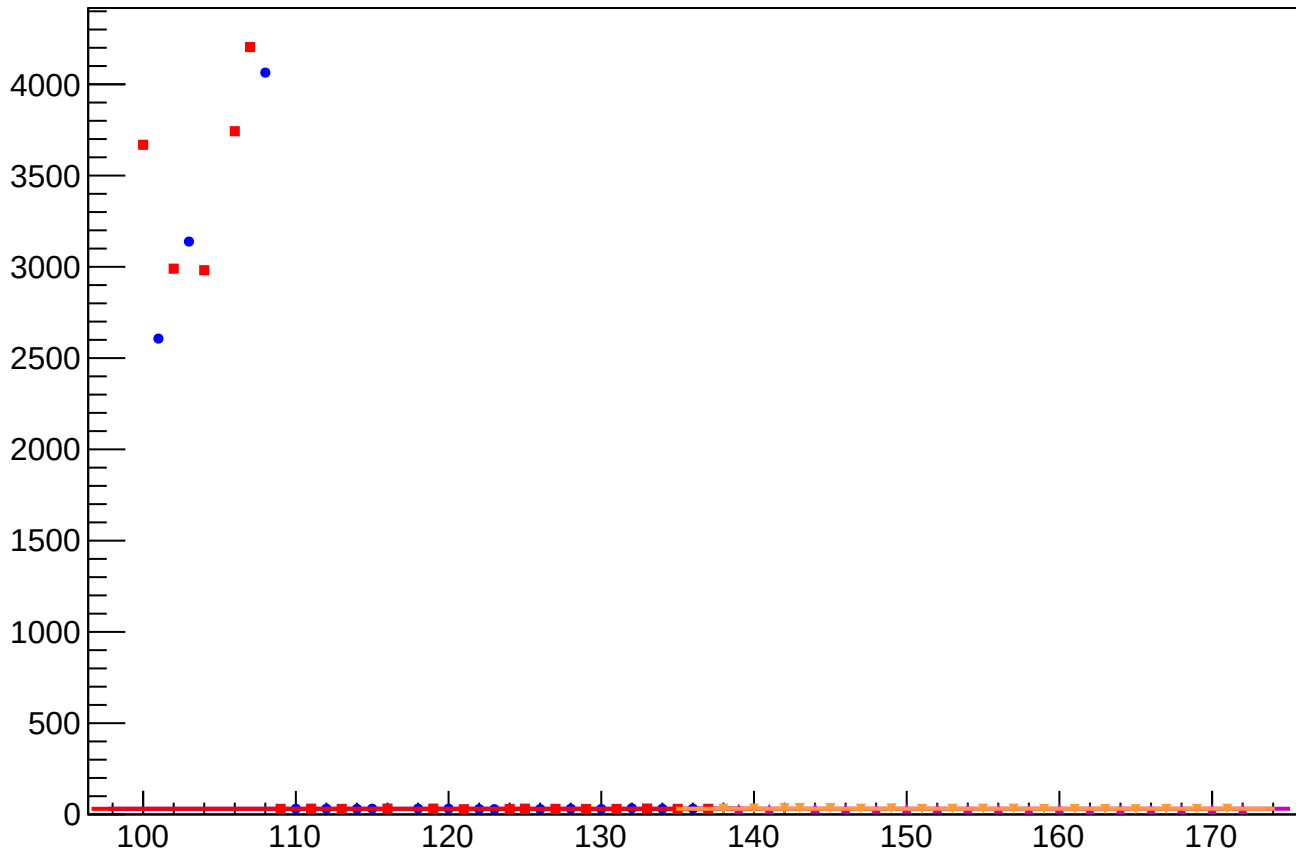
Left In: -1.578 $\pm$ 8.625 χ^2/NDF : 22.0/16

+ sign -11.633 $\pm$ 7.265 χ^2/NDF : 31.5/34

All: -9.612 $\pm$ 5.147 χ^2/NDF : 83.4/70

- sign -7.575 $\pm$ 7.293 χ^2/NDF : 51.7/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153 $\pm$ 0.010 χ^2 /NDF: 3014515.0/16

Left Out: 31.412 $\pm$ 0.006 χ^2 /NDF: 73693.4/17

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458924.5/18

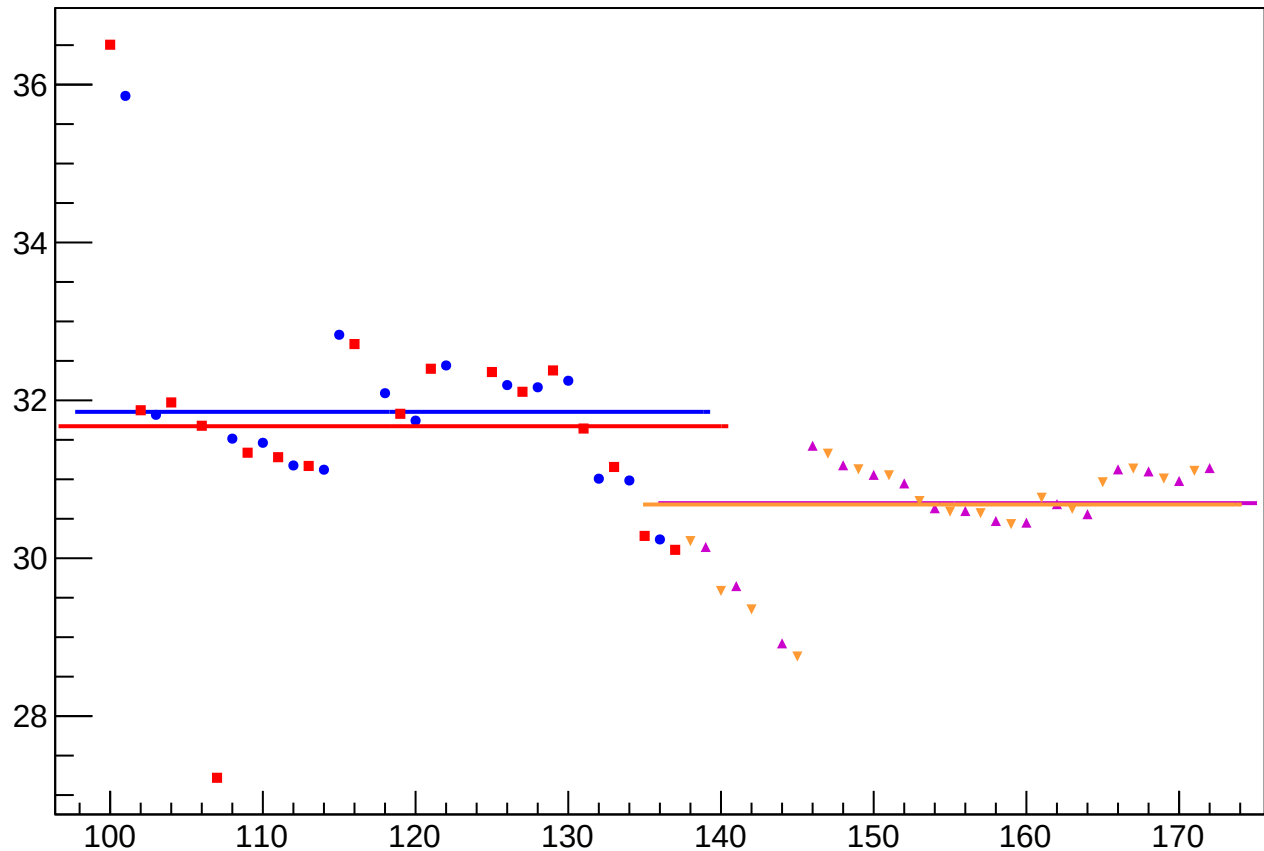
Left In: 31.304 $\pm$ 0.006 χ^2 /NDF: 81610.5/16

+ sign 31.339 $\pm$ 0.005 χ^2 /NDF: 3088721.5/34

All: 31.273 $\pm$ 0.004 χ^2 /NDF: 6630482.7/70

- sign 31.207 $\pm$ 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: 30.681+/-0.000 χ^2/NDF : 696018017.0/16

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

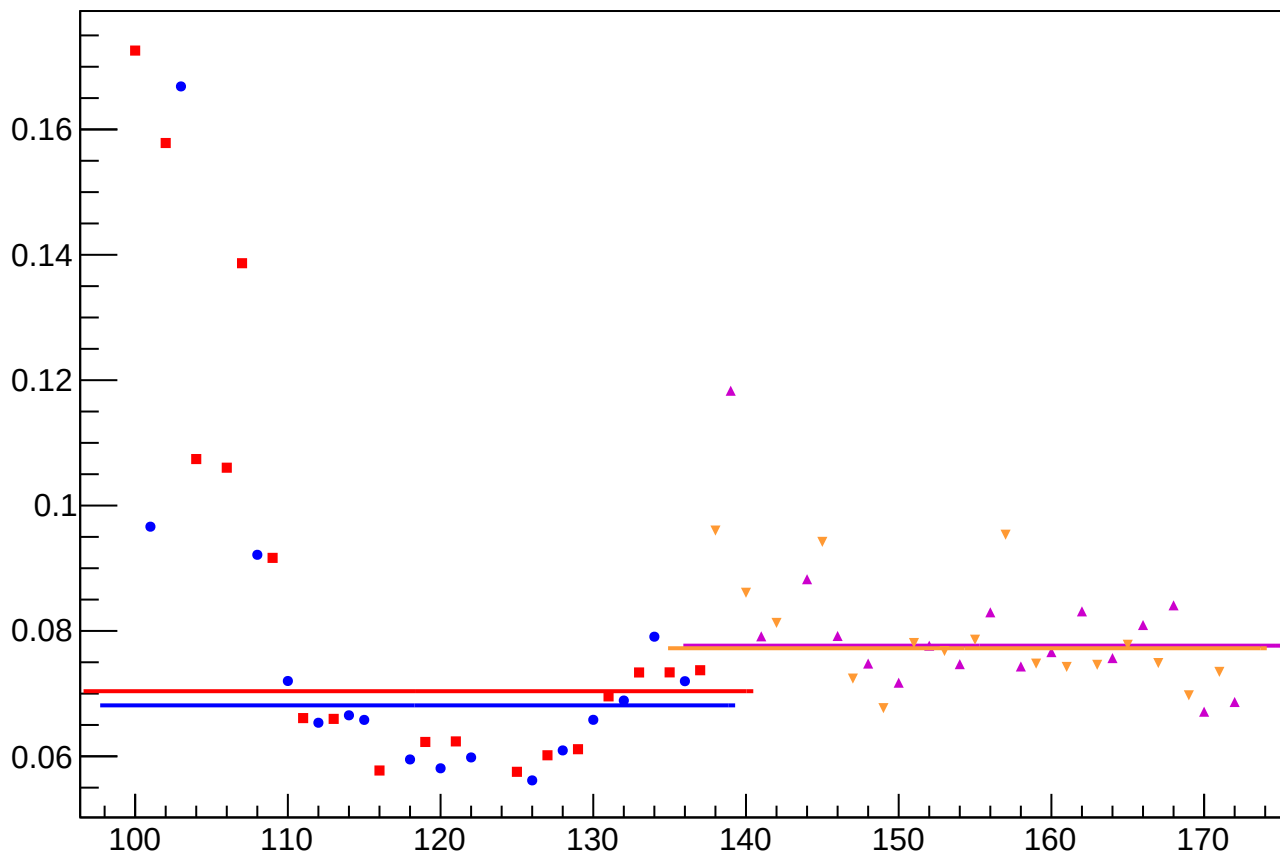
Left In: 30.698+/-0.000 χ^2/NDF : 661164101.1/16

+ sign 31.139+/-0.000 χ^2/NDF : 3310640988.9/32

All: 31.102+/-0.000 χ^2/NDF : 5605559113.6/6

- sign 31.065+/-0.000 χ^2/NDF : 2286044216.7/34

yield_usl_rms vs Slug



Right In: 0.068 ± 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.077 ± 0.000 χ^2/NDF : 224188.4/16

Right Out: 0.070 ± 0.000 χ^2/NDF : 841320.1/17

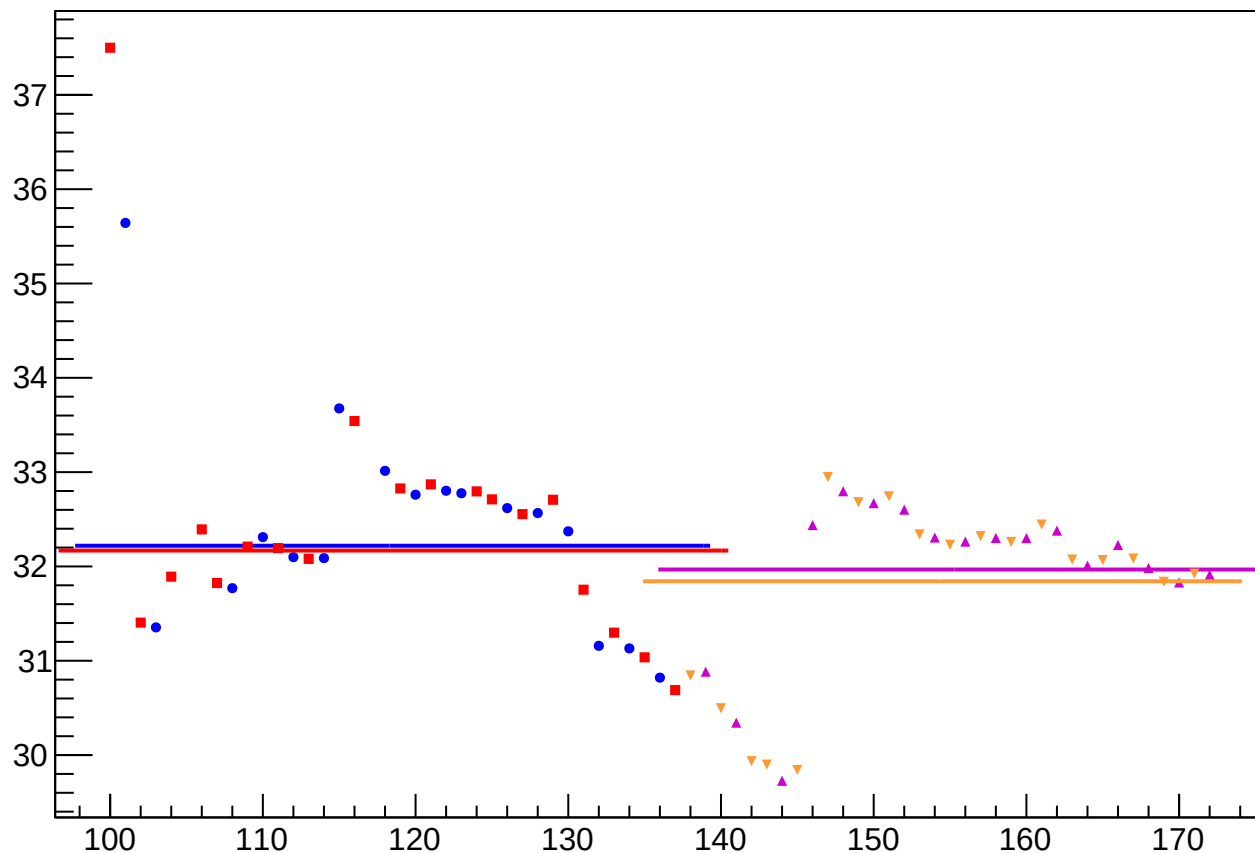
Left In: 0.078 ± 0.000 χ^2/NDF : 289108.5/16

+ sign 0.074 ± 0.000 χ^2/NDF : 979838.9/32

All: 0.074 ± 0.000 χ^2/NDF : 2193754.9/67

- sign 0.075 ± 0.000 χ^2/NDF : 1209033.8/34

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.843+/-0.000 χ^2/NDF : 1826778677.7/17

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

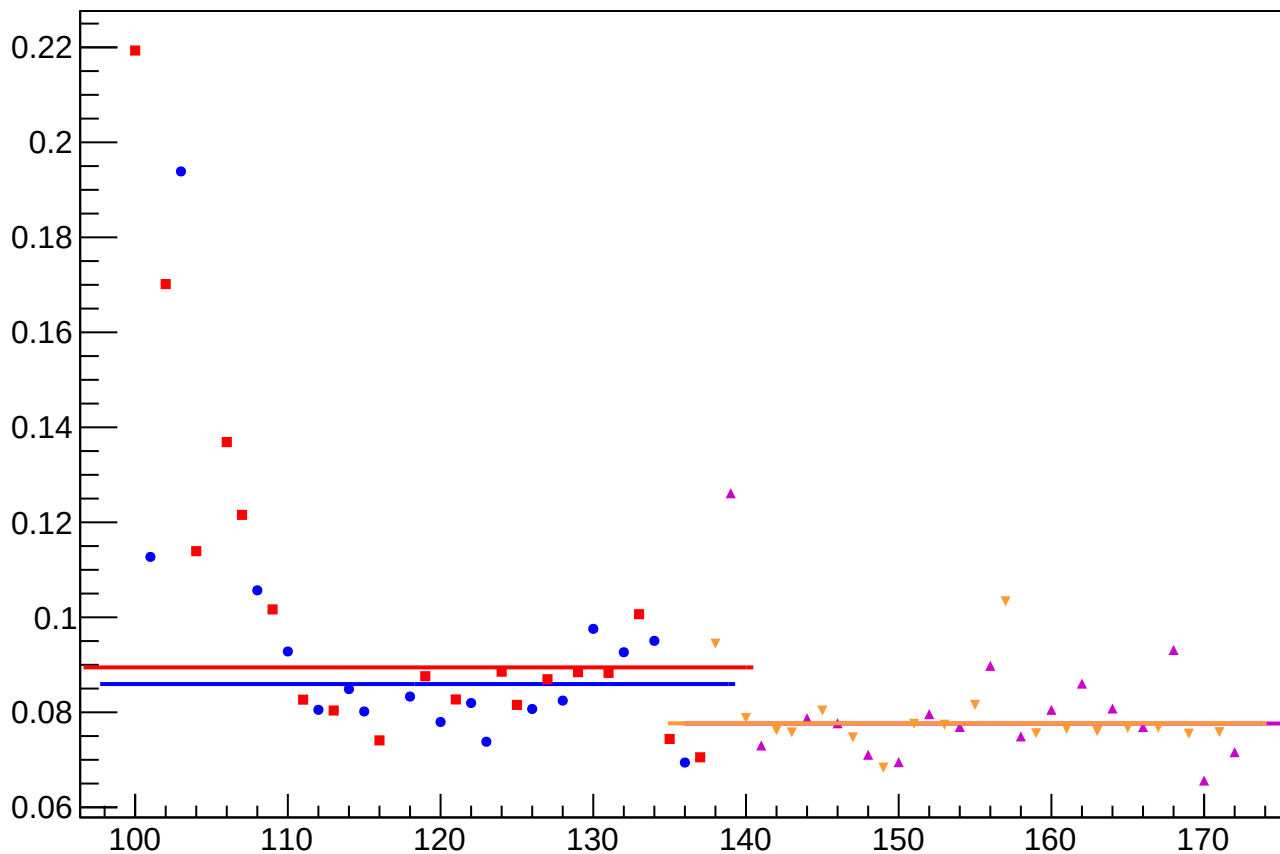
Left In: 31.967+/-0.000 χ^2/NDF : 1403491414.4/16

+ sign 31.948+/-0.000 χ^2/NDF : 2920912084.2/34

All: 31.985+/-0.000 χ^2/NDF : 4797061207.5/7

- sign 32.023+/-0.000 χ^2/NDF : 1868267175.0/35

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 553280.3/16

Left Out: 0.078 $\pm$ 0.000 χ^2 /NDF:163024.5/17

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 539869.9/18

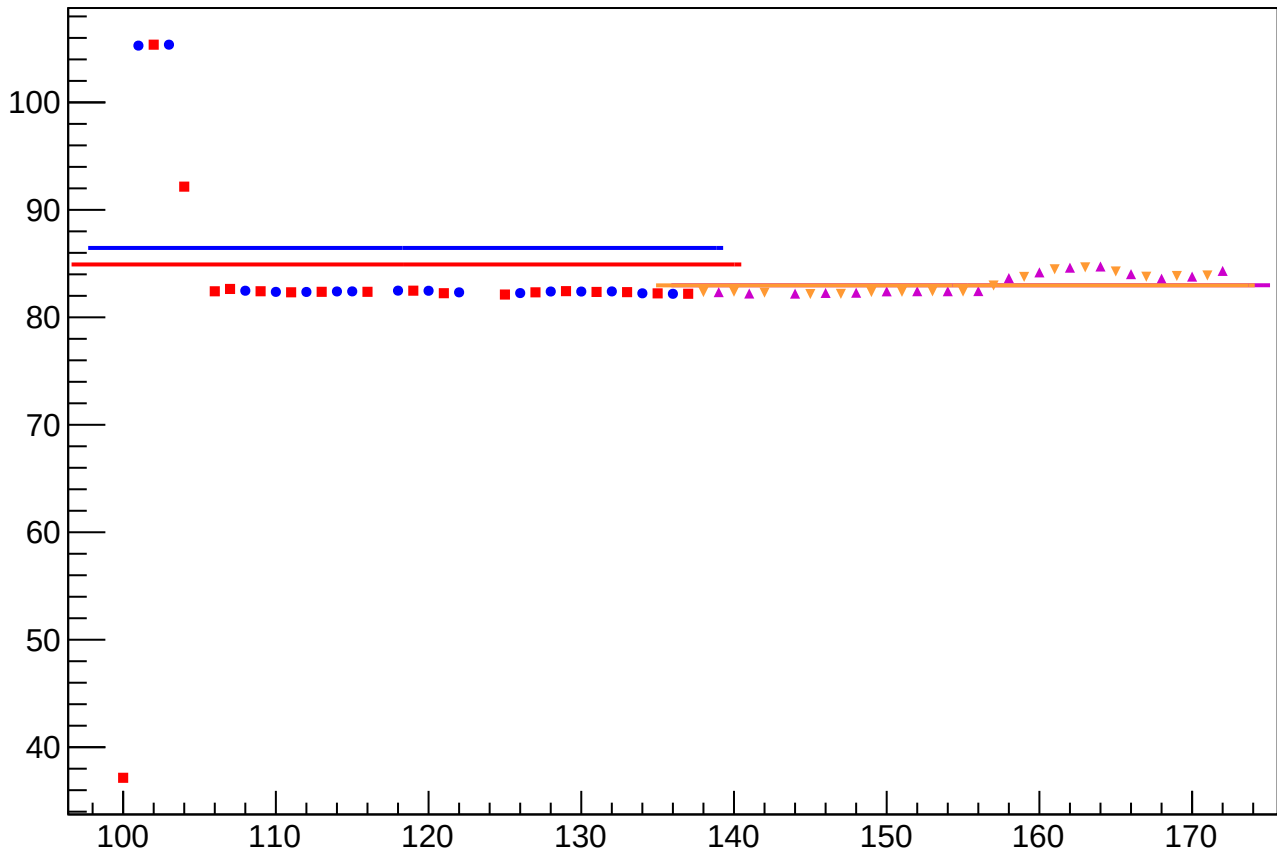
Left In: 0.078 $\pm$ 0.000 χ^2 /NDF:398734.9/16

+ sign 0.080 $\pm$ 0.000 χ^2 /NDF: 793463.4/34

All: 0.080 $\pm$ 0.000 χ^2 /NDF: 1889635.7/70

- sign 0.081 $\pm$ 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: 82.975+/-0.000 χ^2/NDF : 4447507882.1/16

Right Out: 84.920+/-0.000 χ^2/NDF : 172195187677.7/17

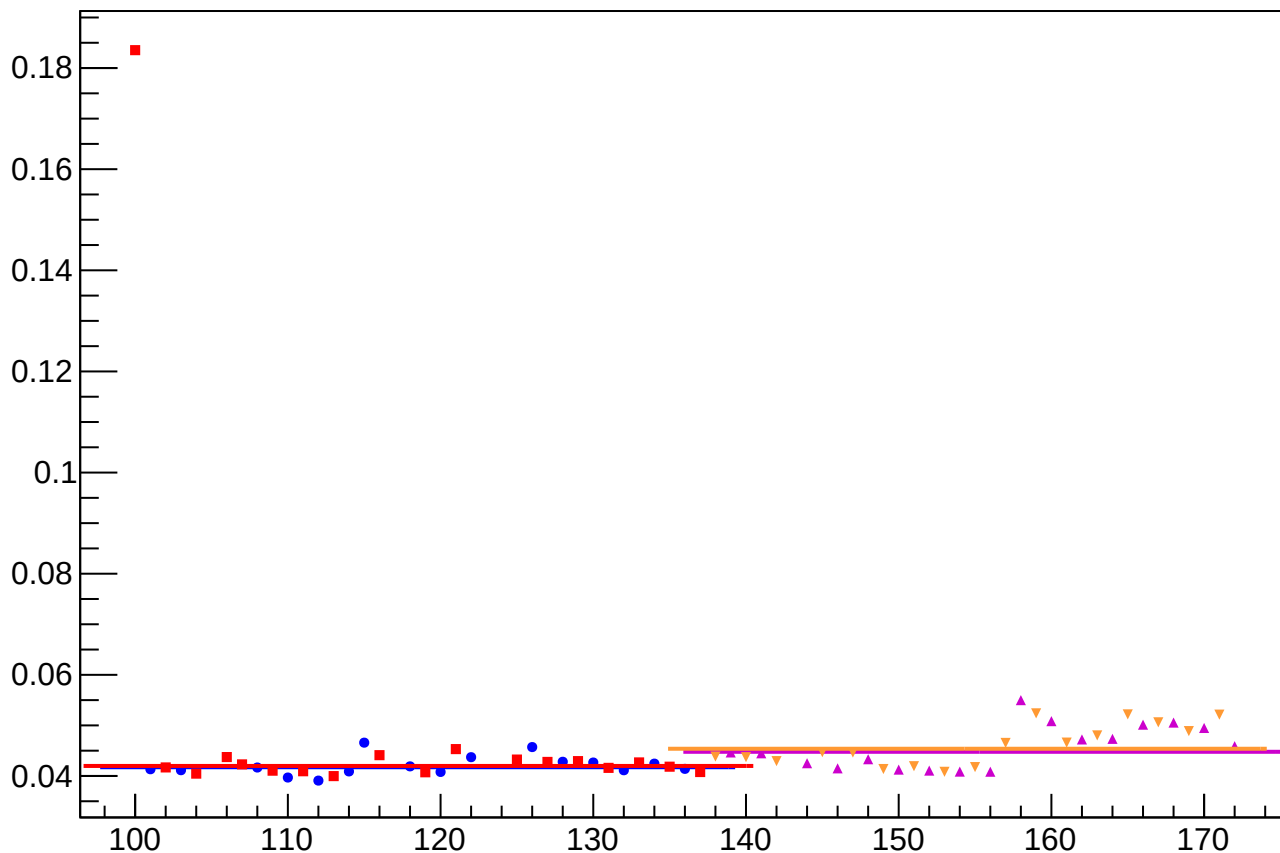
Left In: 82.985+/-0.000 χ^2/NDF : 5067037640.8/16

+ sign 84.314+/-0.000 χ^2/NDF : 323985457594.5/32

All: 84.008+/-0.000 χ^2/NDF : 512125475364.0

- sign 83.717+/-0.000 χ^2/NDF : 186349044538.1/34

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.045+/-0.000 χ^2/NDF : 167517.6/16

Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

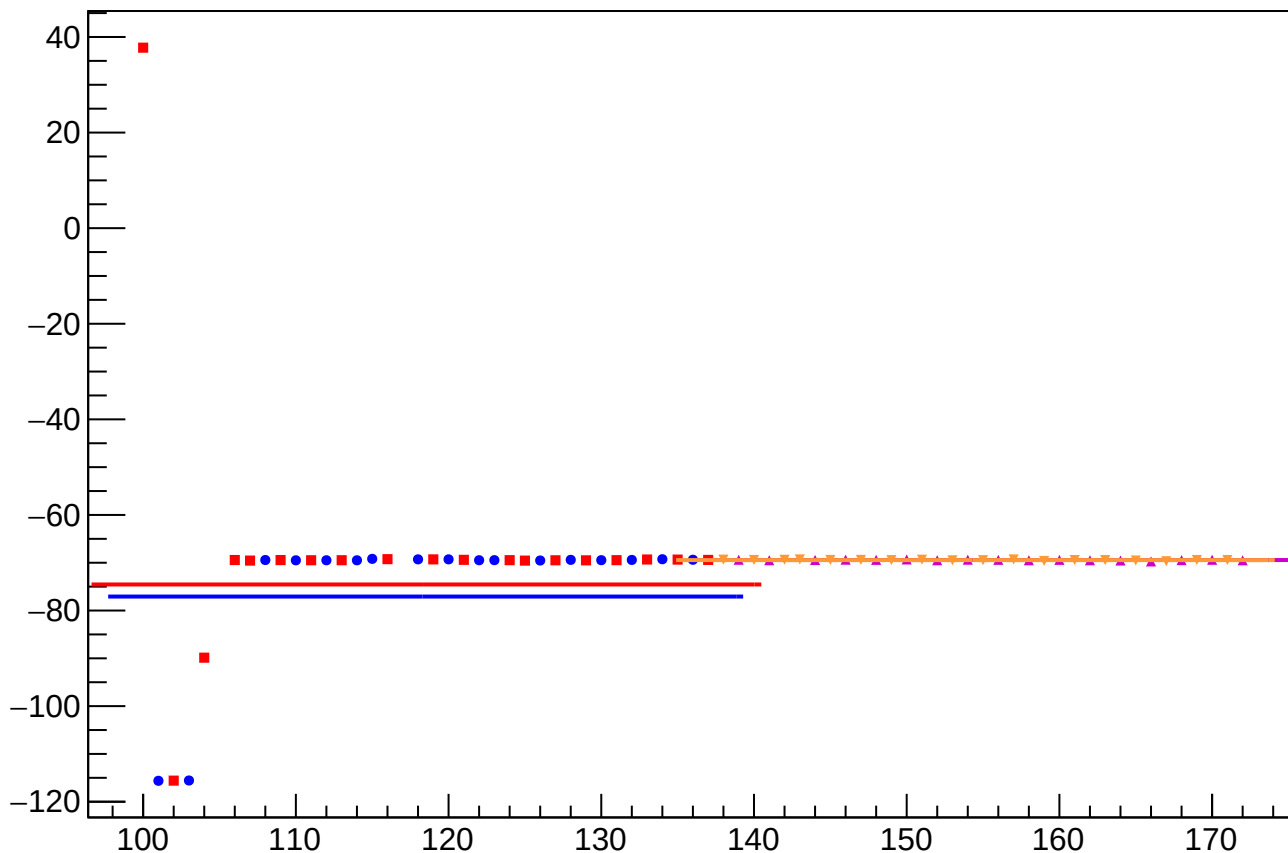
Left In: 0.045+/-0.000 χ^2/NDF : 204334.4/16

+ sign 0.044+/-0.000 χ^2/NDF : 248363.5/32

All: 0.044+/-0.000 χ^2/NDF : 588263.2/67

- sign 0.044+/-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: -69.449+/-0.000 χ^2/NDF : 39384662.4/17

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

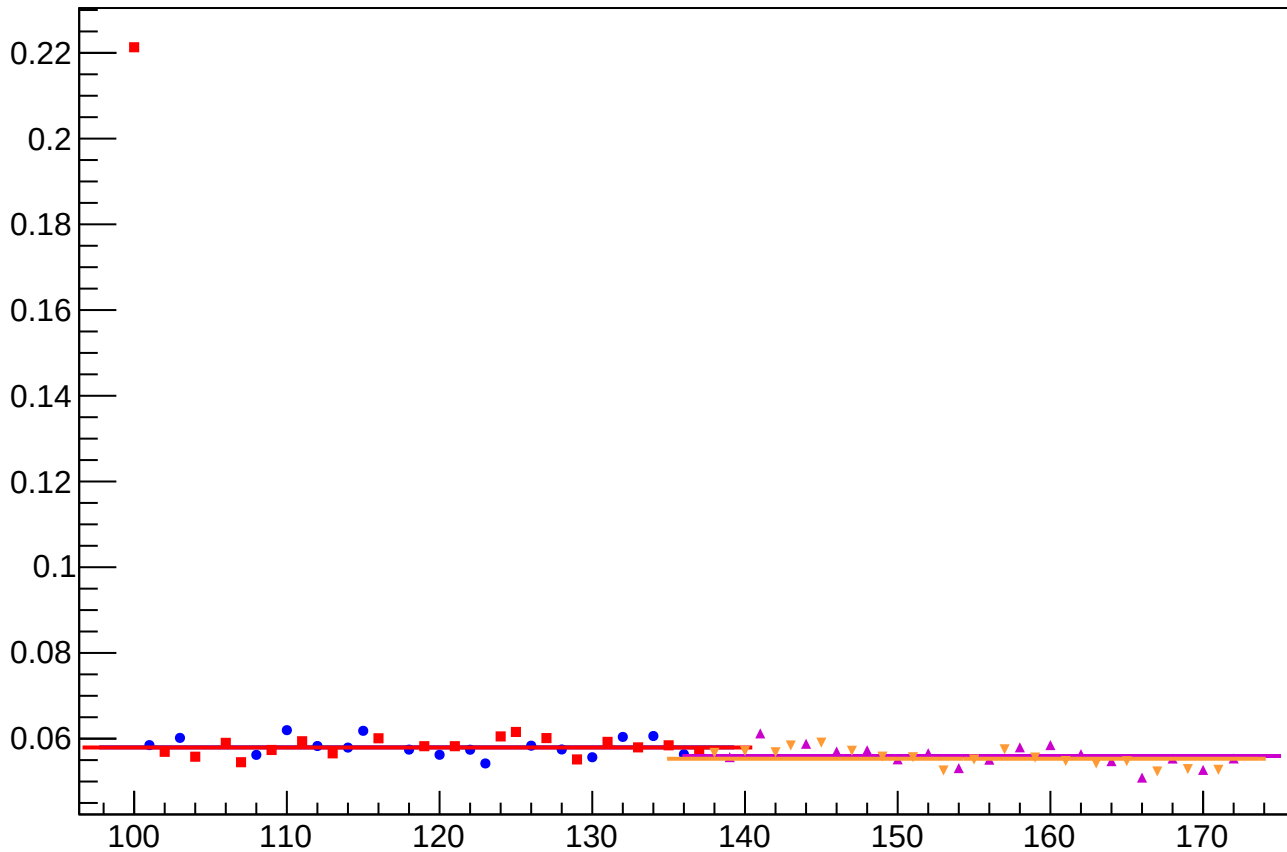
Left In: -69.431+/-0.000 χ^2/NDF : 32449855.5/16

+ sign -71.818+/-0.000 χ^2/NDF : 642183095136.1/3

All: -71.479+/-0.000 χ^2/NDF : 105113910018

- sign -71.138+/-0.000 χ^2/NDF : 407537851281.5/3

yield_dsr_rms vs Slug



Right In: 0.058 ± 0.000 χ^2/NDF : 12275.6/16

Left Out: 0.055 ± 0.000 χ^2/NDF : 33227.6/17

Right Out: 0.058 ± 0.000 χ^2/NDF : 86466.5/18

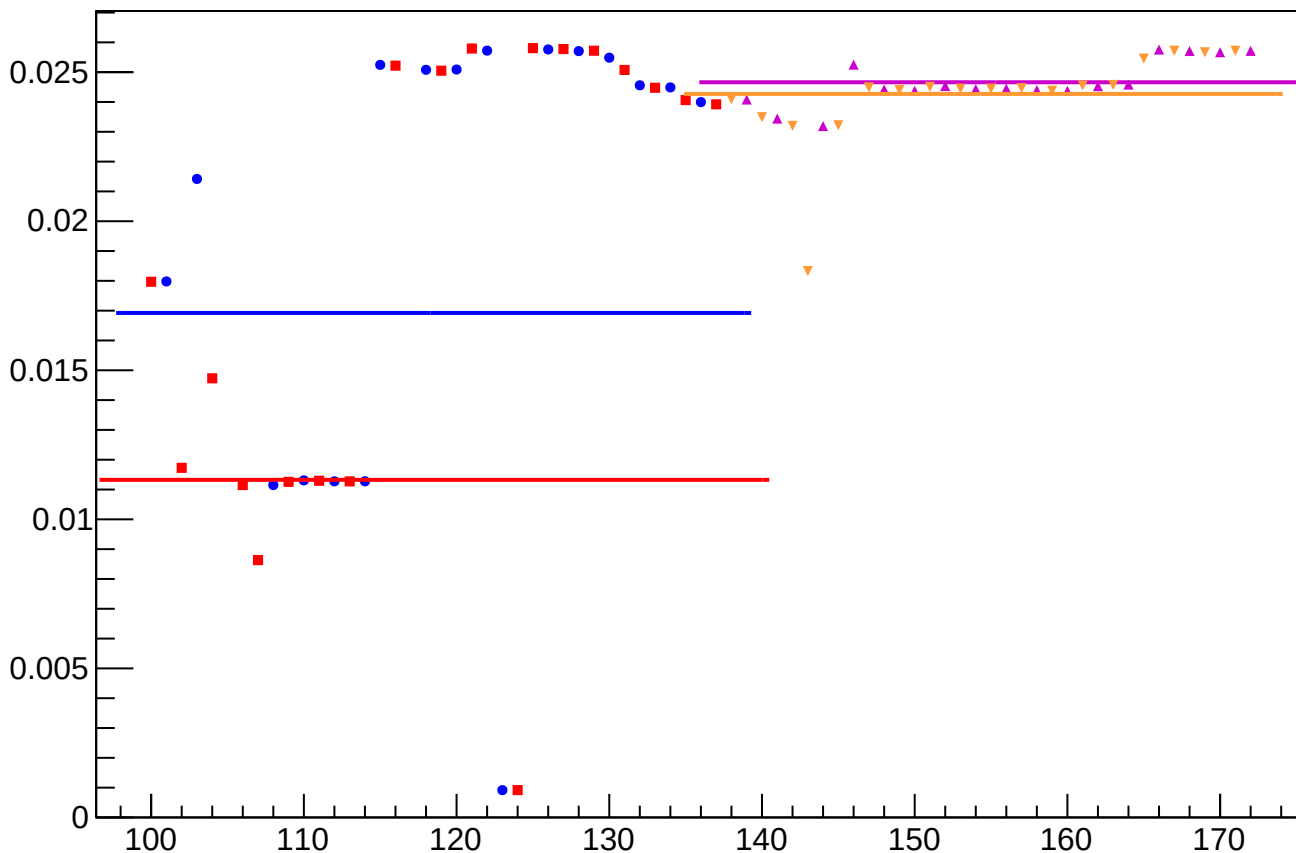
Left In: 0.056 ± 0.000 χ^2/NDF : 44930.1/16

+ sign 0.056 ± 0.000 χ^2/NDF : 64134.9/34

All: 0.056 ± 0.000 χ^2/NDF : 207667.6/70

- sign 0.057 ± 0.000 χ^2/NDF : 142129.0/35

yield_atl1_mean vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 126447785006.7/16

Left Out: 0.024+/-0.000 χ^2/NDF : 6669711024.5/17

Right Out: 0.011+/-0.000 χ^2/NDF : 234754769754.2/18

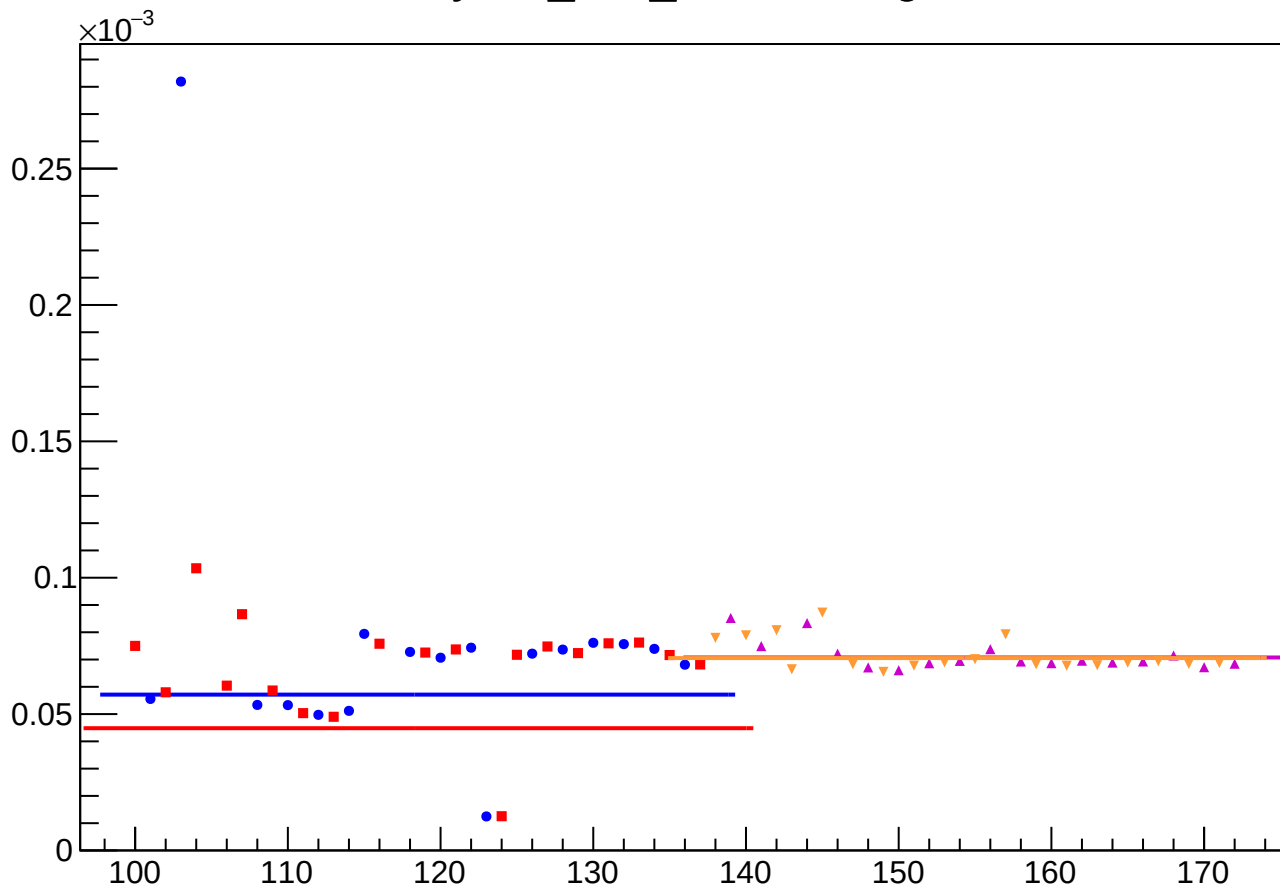
Left In: 0.025+/-0.000 χ^2/NDF : 1295036555.9/16

+ sign 0.021+/-0.000 χ^2/NDF : 188493350146.5/34

All: 0.020+/-0.000 χ^2/NDF : 669211381926.7

- sign 0.018+/-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 :144006.9/17

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

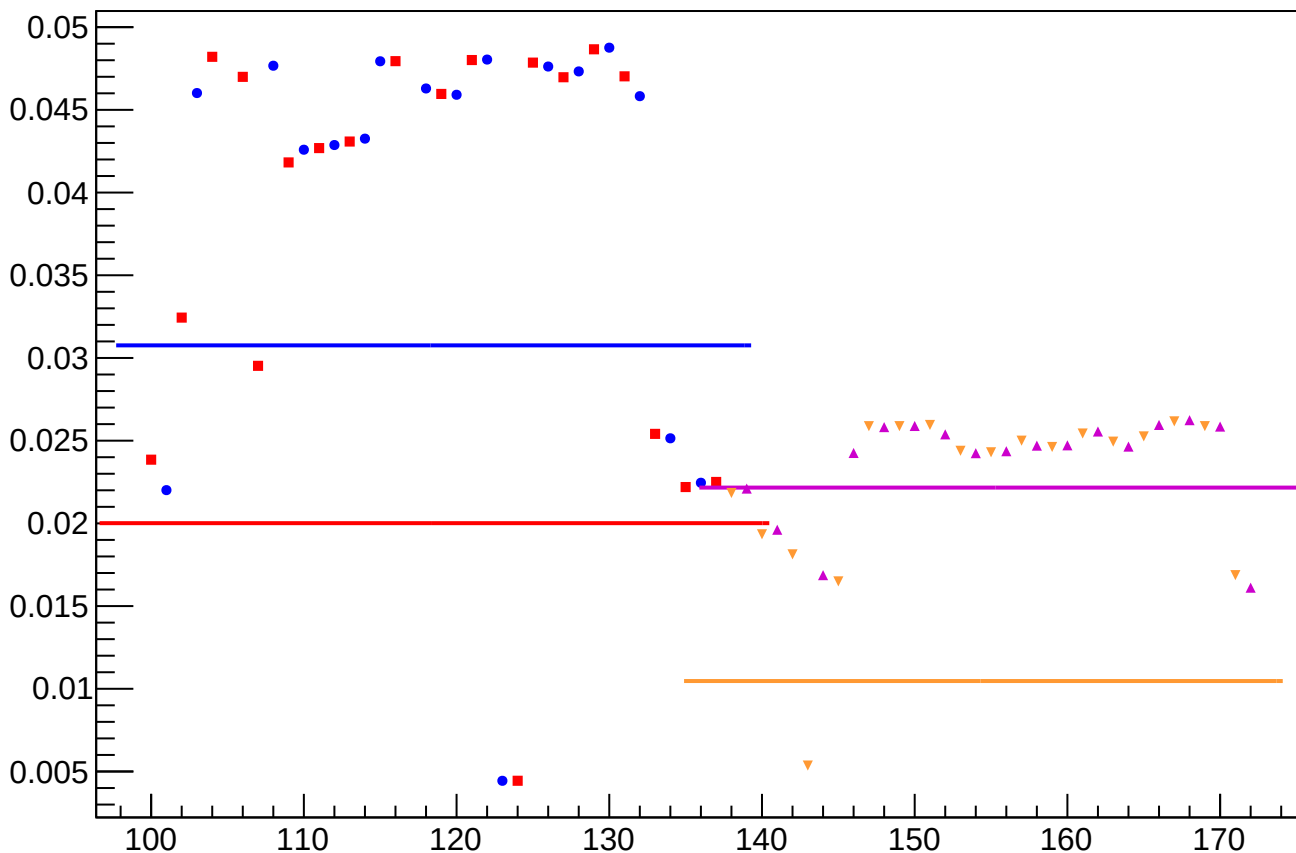
Left In: 0.000+/-0.000 χ^2/NDF :112873.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 2512808.3/34

All: 0.000+/-0.000 χ^2/NDF : 8121457.3/70

- 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: 0.010+/-0.000 χ^2/NDF : 32571246096.1/17

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

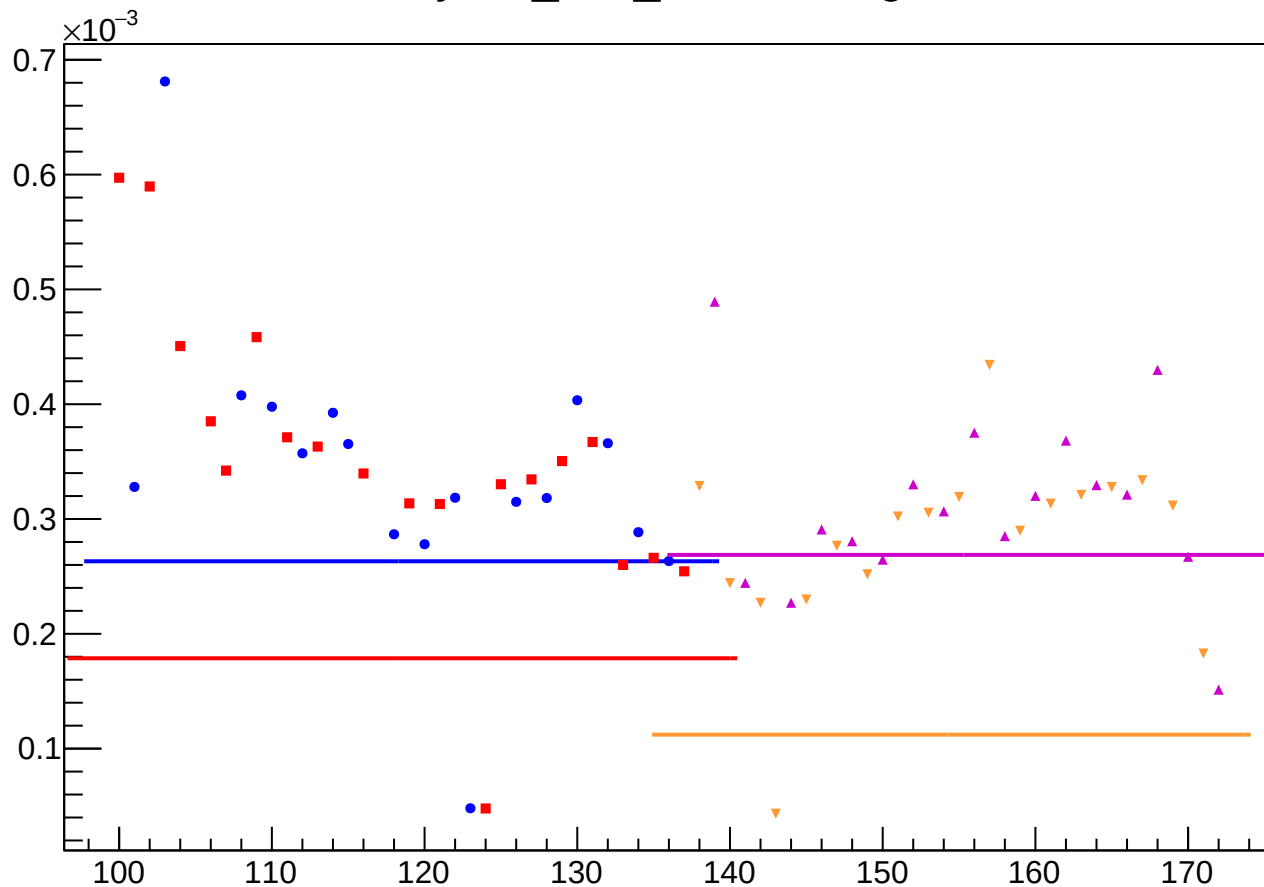
Left In: 0.022+/-0.000 χ^2/NDF : 2537145099.0/16

+ sign 0.013+/-0.000 χ^2/NDF : 79267327937.5/34

All: 0.016+/-0.000 χ^2/NDF : 134684450659.7

- 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 : 11947907.8/17

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

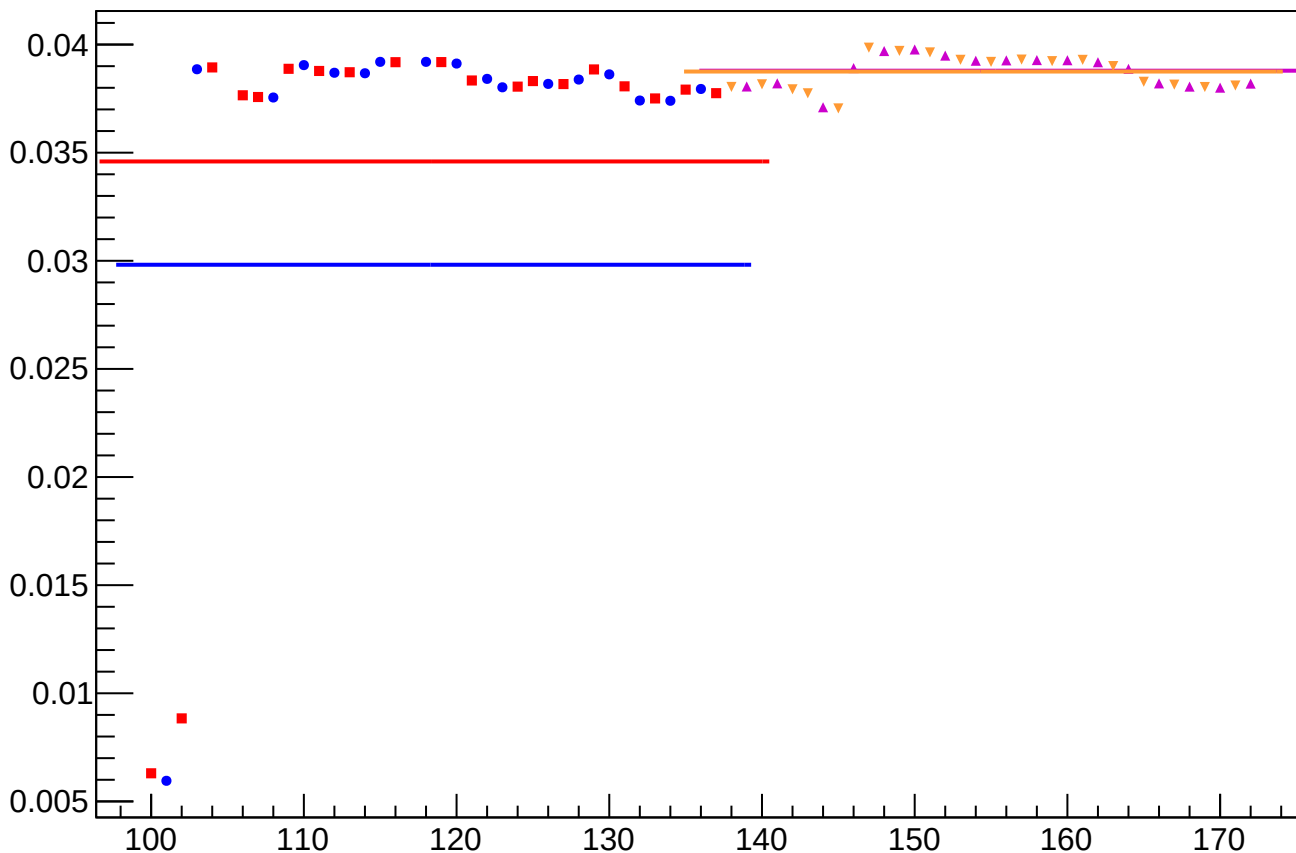
Left In: 0.000+/-0.000 χ^2/NDF : 1810537.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 17176164.5/34

All: 0.000+/-0.000 χ^2/NDF : 29050198.1/70

- 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

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 439273750.3/17

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43669374279.3/18

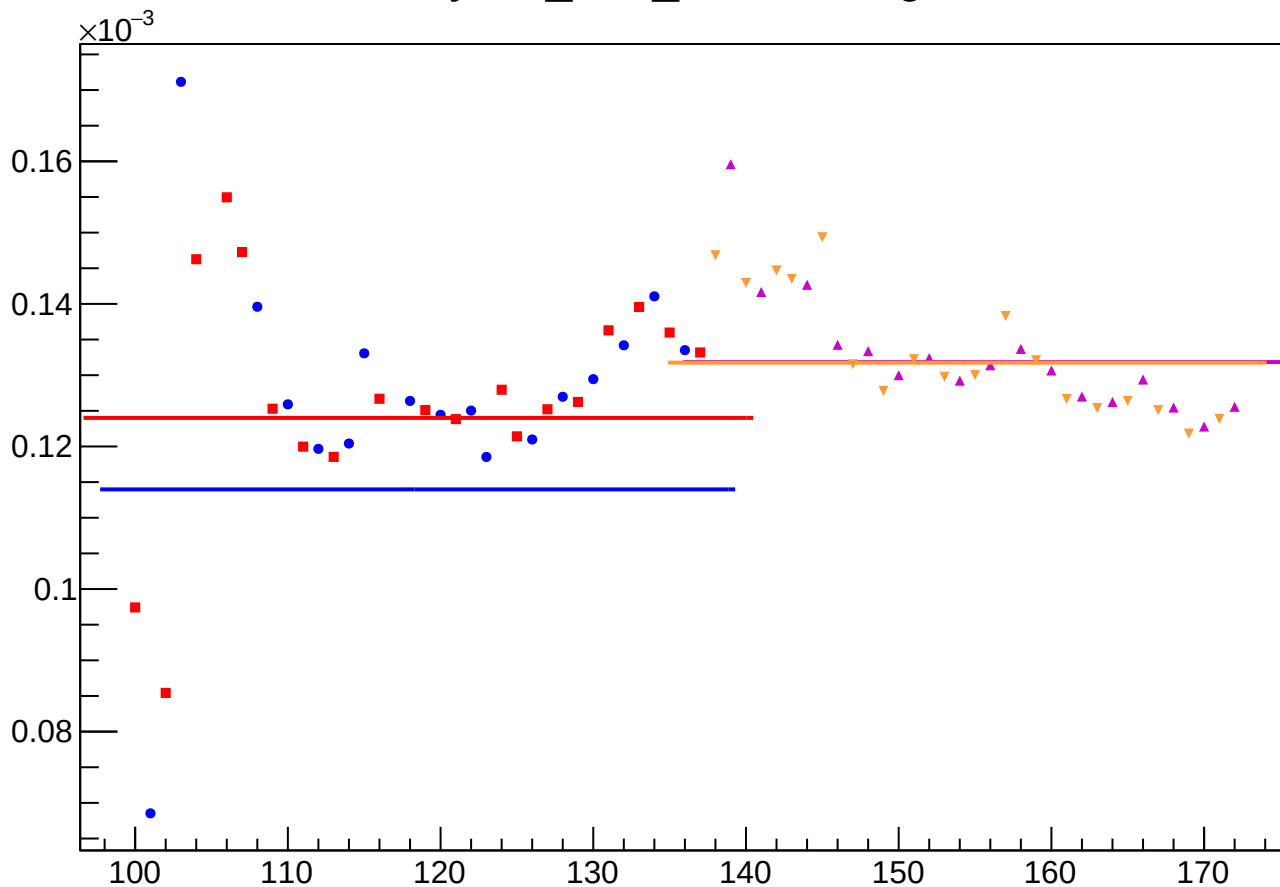
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 389778183.7/16

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 120803353214.9/34

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 171912855029.3

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 48876368963.9/35

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:94643.5/17

Right Out: 0.000+/-0.000 χ^2 /NDF: 245154.5/18

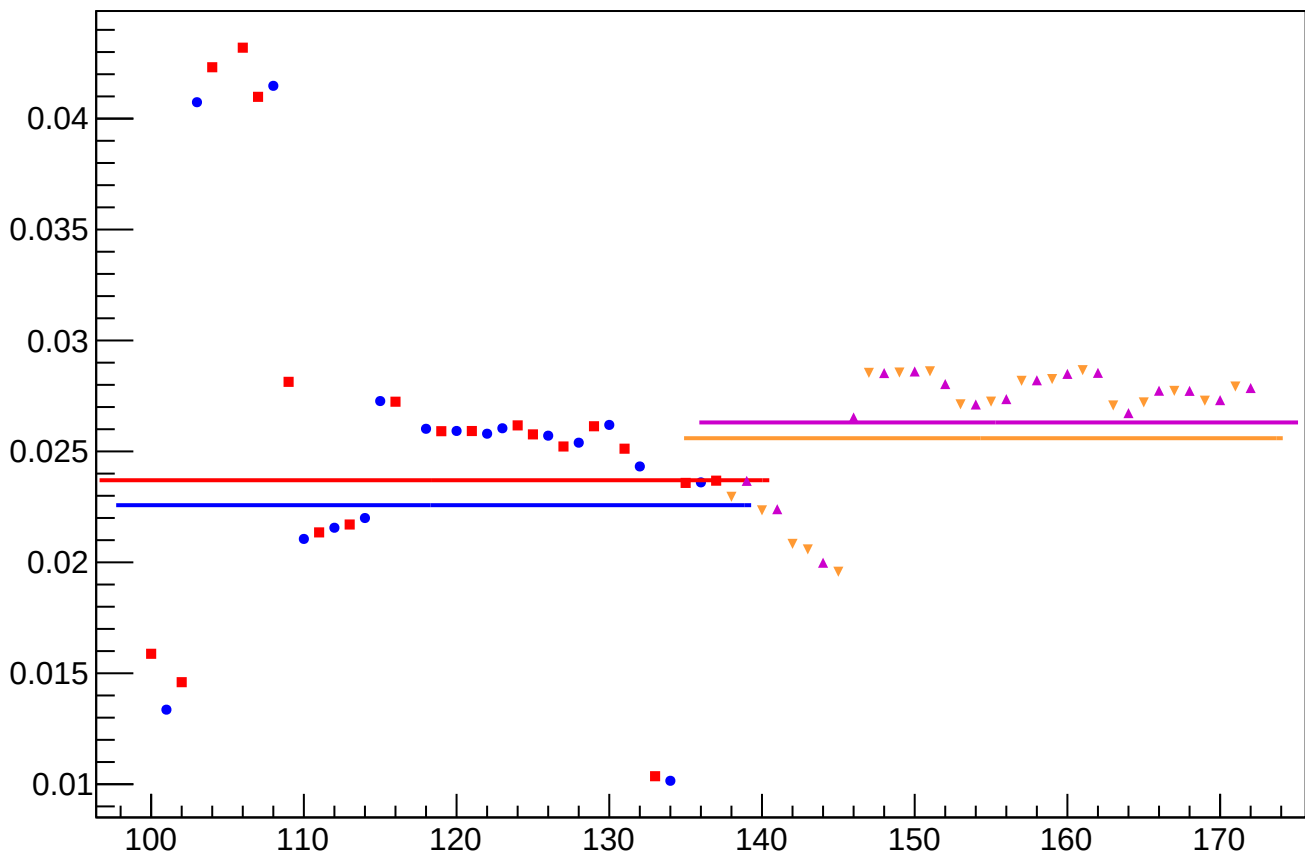
Left In: 0.000+/-0.000 χ^2 /NDF:83806.4/16

+ sign 0.000+/-0.000 χ^2 /NDF: 1073006.8/34

All: 0.000+/-0.000 χ^2 /NDF: 1455075.9/70

- 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 : 1715597583.7/17

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

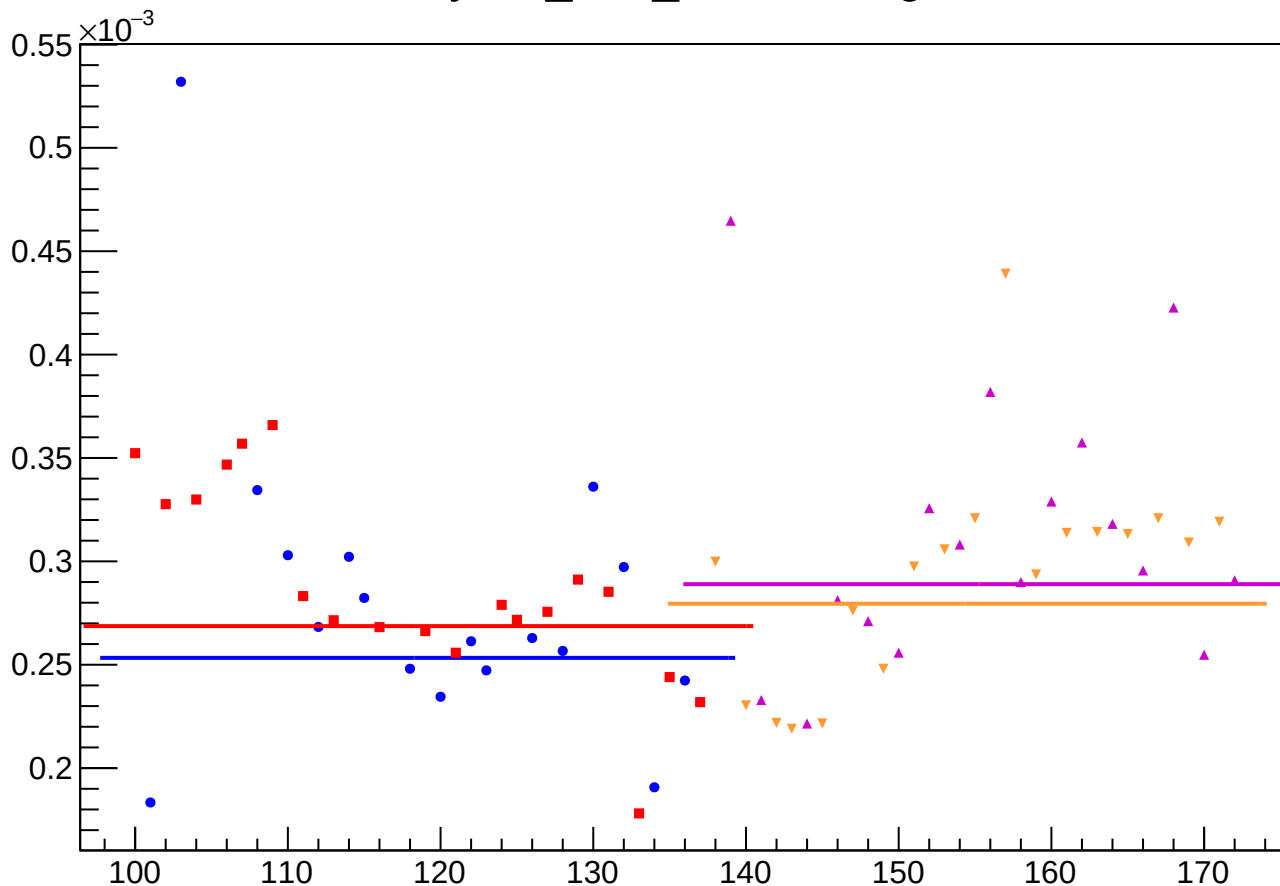
Left In: 0.026+/-0.000 χ^2/NDF : 1166809664.9/16

+ sign 0.024+/-0.000 χ^2/NDF : 6478640874.1/34

All: 0.025+/-0.000 χ^2/NDF : 13744478253.2/7

- 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 : 628101.5/17

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

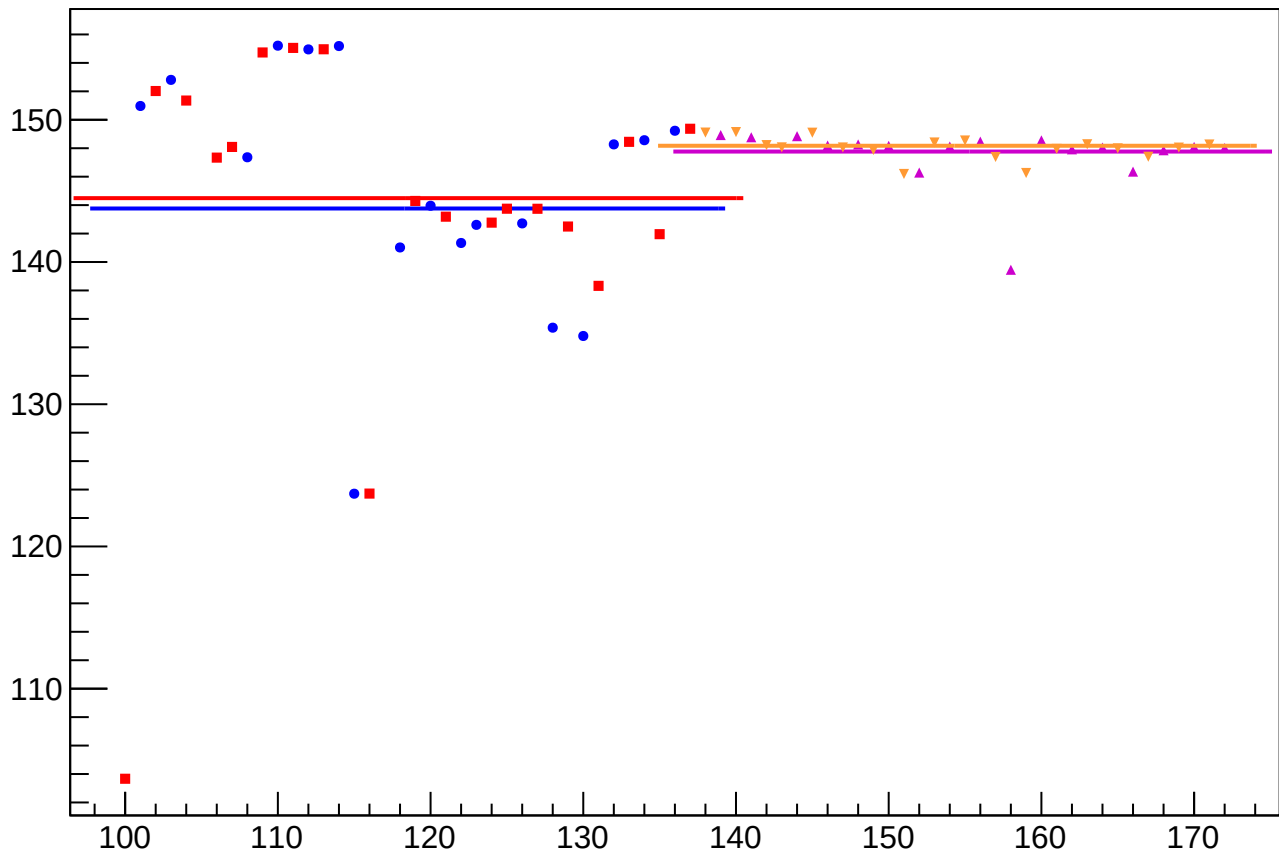
Left In: 0.000+/-0.000 χ^2/NDF : 841695.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 1334807.8/34

All: 0.000+/-0.000 χ^2/NDF : 2680343.3/70

- sign 0.000+/-0.000 χ^2/NDF : 1313920.2/35

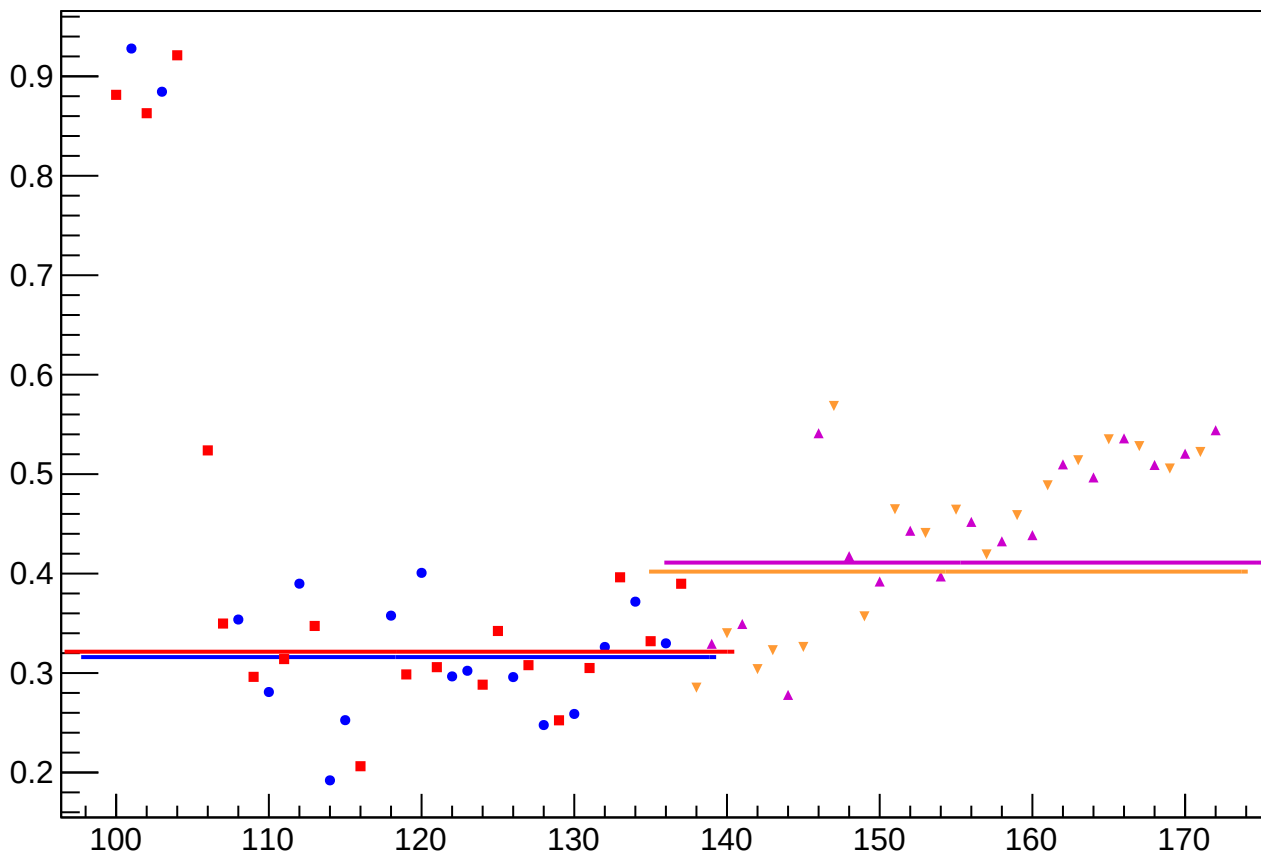
yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16
 Left Out: 148.174 $\pm$ 0.000 χ^2 /NDF: 52480898.2/17
 Right Out: 144.490 $\pm$ 0.000 χ^2 /NDF: 4182548232.5/18
 Left In: 147.766 $\pm$ 0.000 χ^2 /NDF: 325729585.0/16

+ sign 146.322 $\pm$ 0.000 χ^2 /NDF: 4215047688.4/34
 All: 146.327 $\pm$ 0.000 χ^2 /NDF: 9065418243.5
 - sign 146.333 $\pm$ 0.000 χ^2 /NDF: 4850363634.0/35

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 $\pm$ 0.000 χ^2 /NDF: 1265921.5/16

Left Out: 0.402 $\pm$ 0.000 χ^2 /NDF:1203210.5/17

Right Out: 0.321 $\pm$ 0.000 χ^2 /NDF: 1219073.9/18

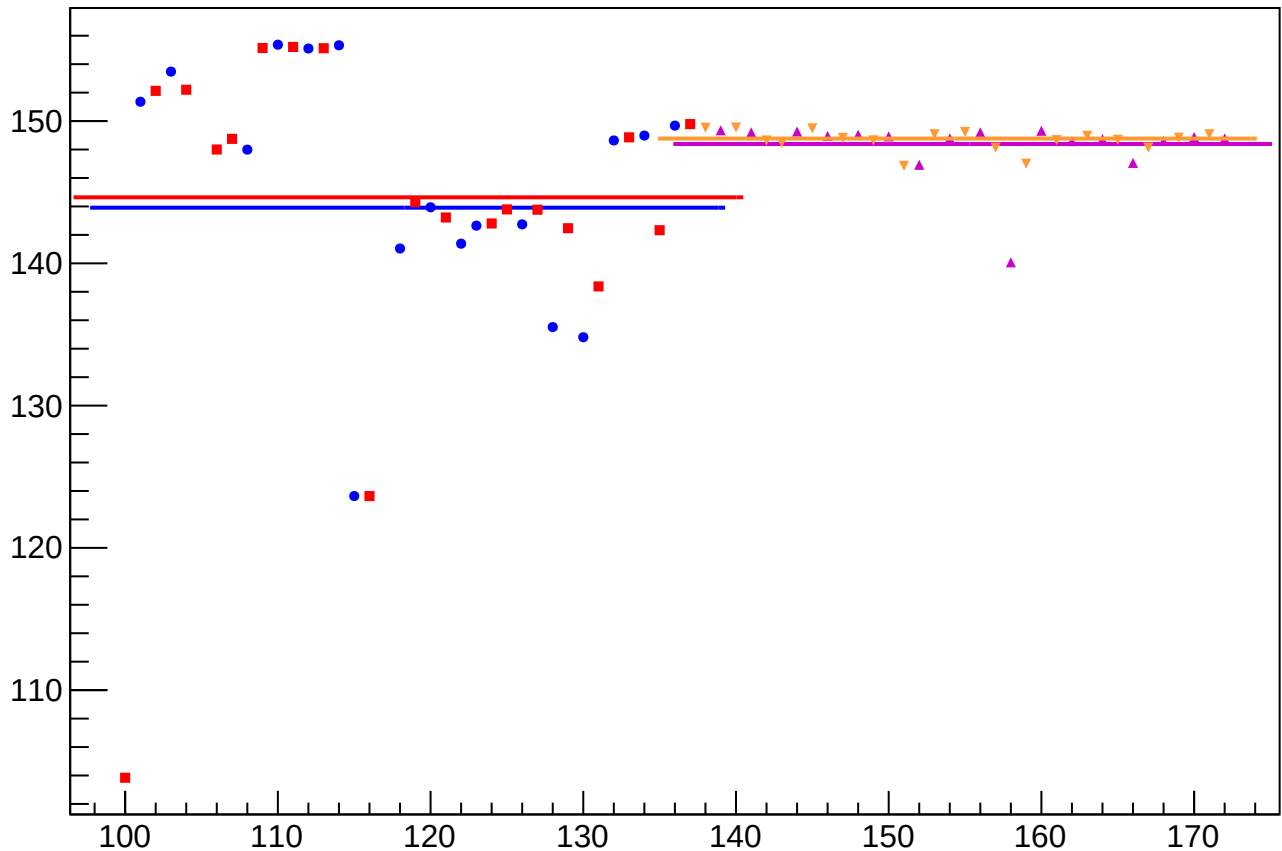
Left In: 0.411 $\pm$ 0.000 χ^2 /NDF:1010231.0/16

+ sign 0.366 $\pm$ 0.000 χ^2 /NDF: 2946085.7/34

All: 0.369 $\pm$ 0.000 χ^2 /NDF: 5691912.8/70

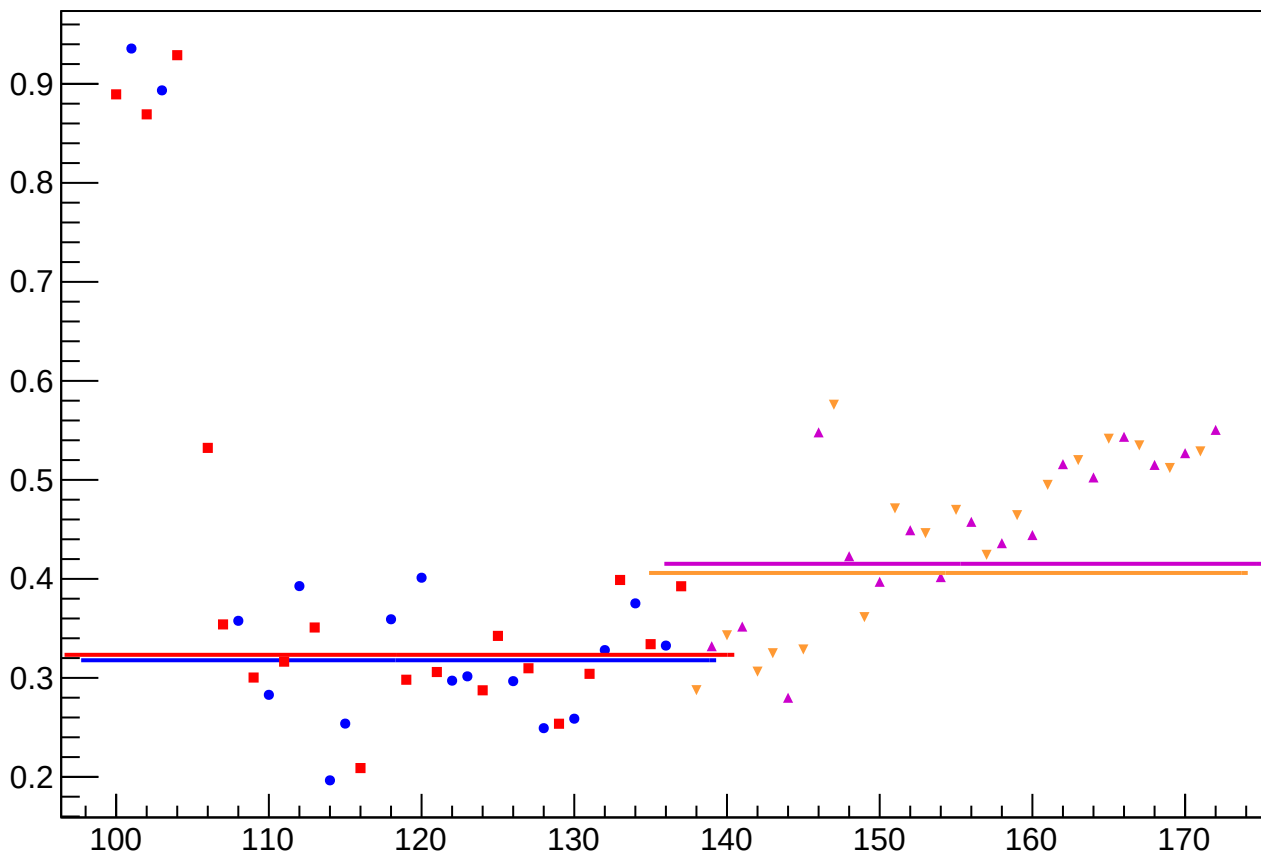
- sign 0.372 $\pm$ 0.000 χ^2 /NDF: 2741204.4/35

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000	χ^2 /NDF: 3587769790.2/16	+ sign 146.720 $\pm$ 0.000	χ^2 /NDF: 4378953945.1/34
Left Out: 148.770 $\pm$ 0.000	χ^2 /NDF: 41169234.5/17	All: 146.730 $\pm$ 0.000	χ^2 /NDF: 9344491714.9
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 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.406 $\pm$ 0.000 χ^2 /NDF:1225237.0/17

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222241.9/18

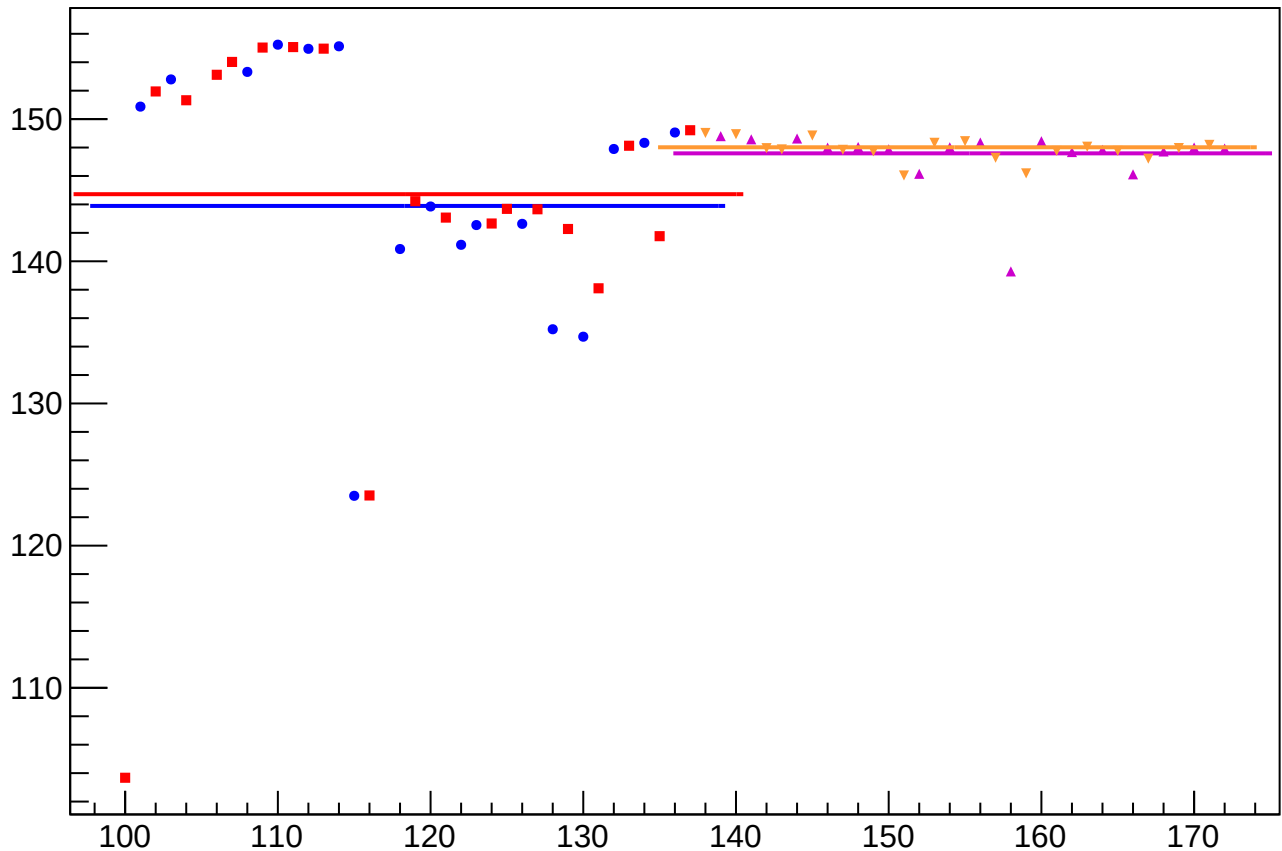
Left In: 0.415 $\pm$ 0.000 χ^2 /NDF:1029599.0/16

+ sign 0.369 $\pm$ 0.000 χ^2 /NDF: 2987800.0/34

All: 0.372 $\pm$ 0.000 χ^2 /NDF: 5774714.3/70

- sign 0.375 $\pm$ 0.000 χ^2 /NDF: 2782229.8/35

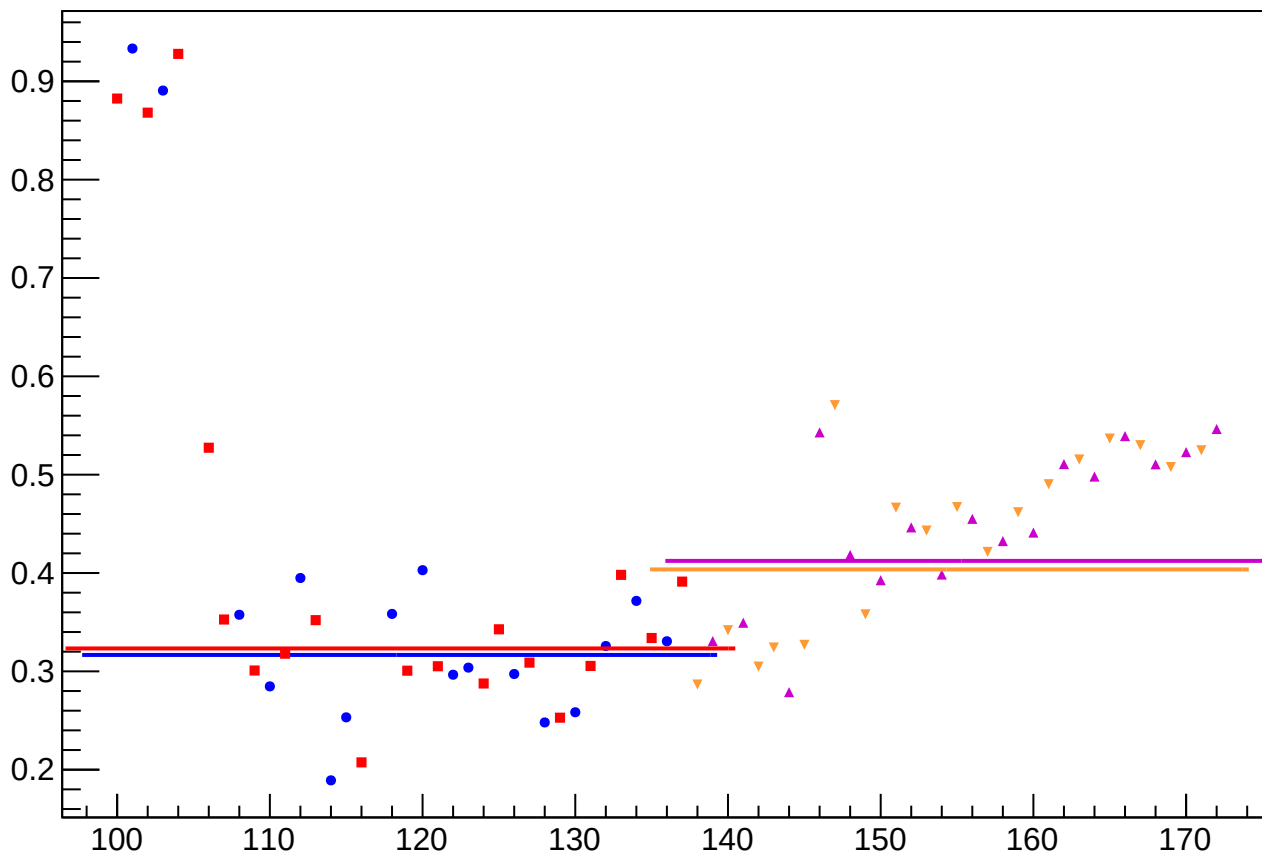
yield_bcm_an_us_mean vs Slug



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3752655677.2/16
 Left Out: 148.018 $\pm$ 0.000 χ^2 /NDF: 50981738.0/17
 Right Out: 144.719 $\pm$ 0.000 χ^2 /NDF: 4473225884.5/18
 Left In: 147.591 $\pm$ 0.000 χ^2 /NDF: 324912832.1/16

+ sign 146.285 $\pm$ 0.000 χ^2 /NDF: 4348868423.6/34
 All: 146.311 $\pm$ 0.000 χ^2 /NDF: 9407742207.4
 - sign 146.338 $\pm$ 0.000 χ^2 /NDF: 5058689143.6/35

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.404 $\pm$ 0.000 χ^2 /NDF:1204524.1/17

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222784.7/18

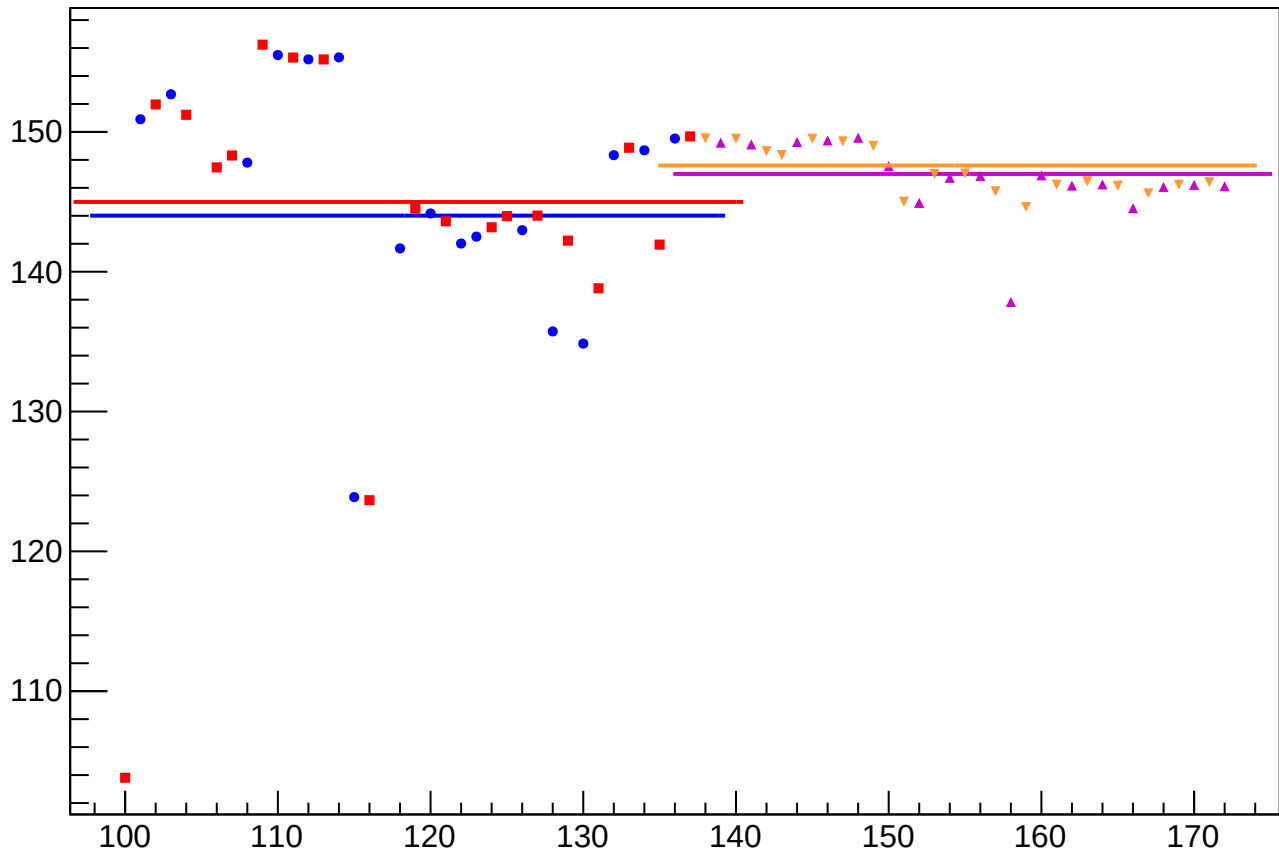
Left In: 0.412 $\pm$ 0.000 χ^2 /NDF:1015777.3/16

+ sign 0.367 $\pm$ 0.000 χ^2 /NDF: 2969489.8/34

All: 0.370 $\pm$ 0.000 χ^2 /NDF: 5714299.1/70

- sign 0.373 $\pm$ 0.000 χ^2 /NDF: 2739524.9/35

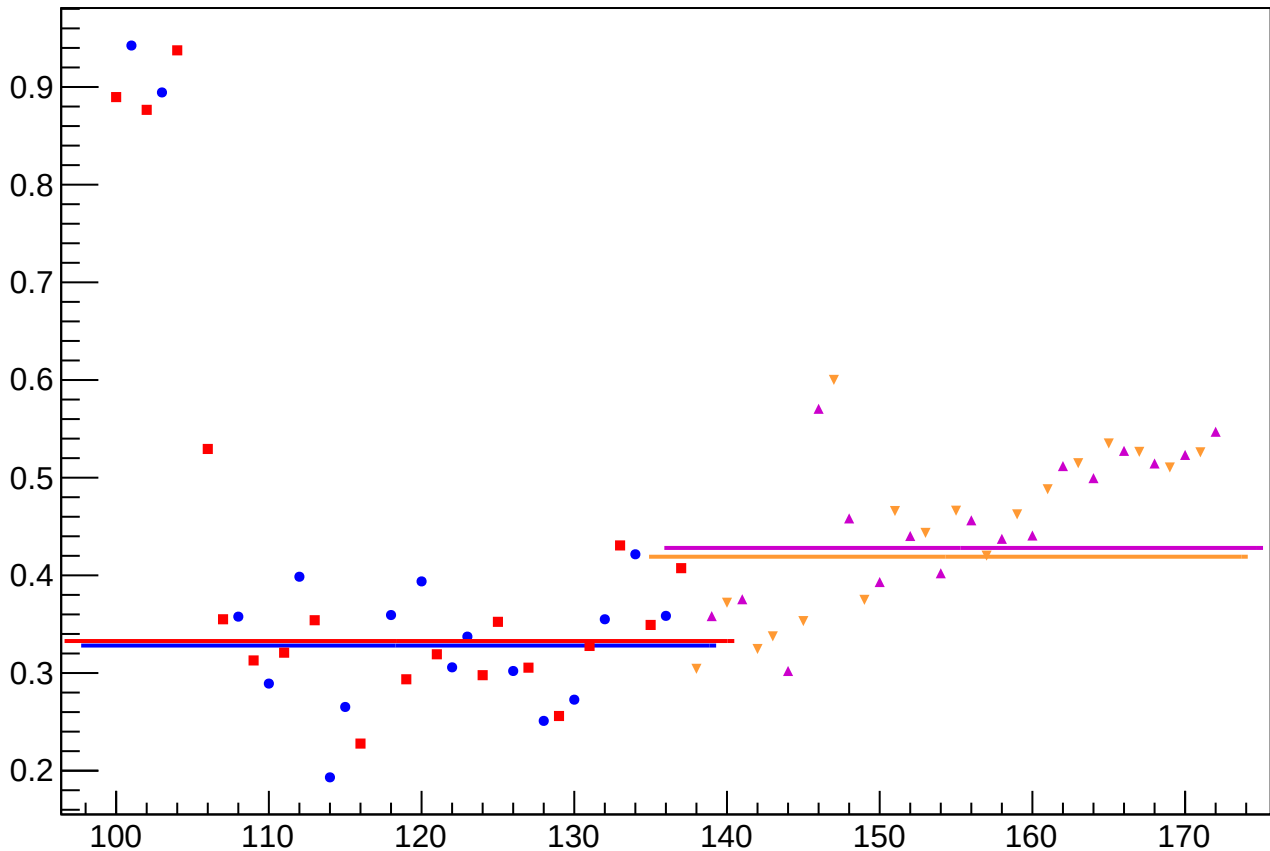
yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16
 Left Out: 147.598 $\pm$ 0.000 χ^2 /NDF: 200446219.4/17
 Right Out: 144.994 $\pm$ 0.000 χ^2 /NDF: 3852381452.1/18
 Left In: 146.996 $\pm$ 0.000 χ^2 /NDF: 507004816.9/16

+ sign 146.096 $\pm$ 0.000 χ^2 /NDF: 3825664147.6/34
 All: 146.108 $\pm$ 0.000 χ^2 /NDF: 8304137216.1
 - sign 146.119 $\pm$ 0.000 χ^2 /NDF: 4478441853.1/35

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.419 ± 0.000 χ^2/NDF : 937025.3/17

Right Out: 0.333 ± 0.000 χ^2/NDF : 1185129.6/18

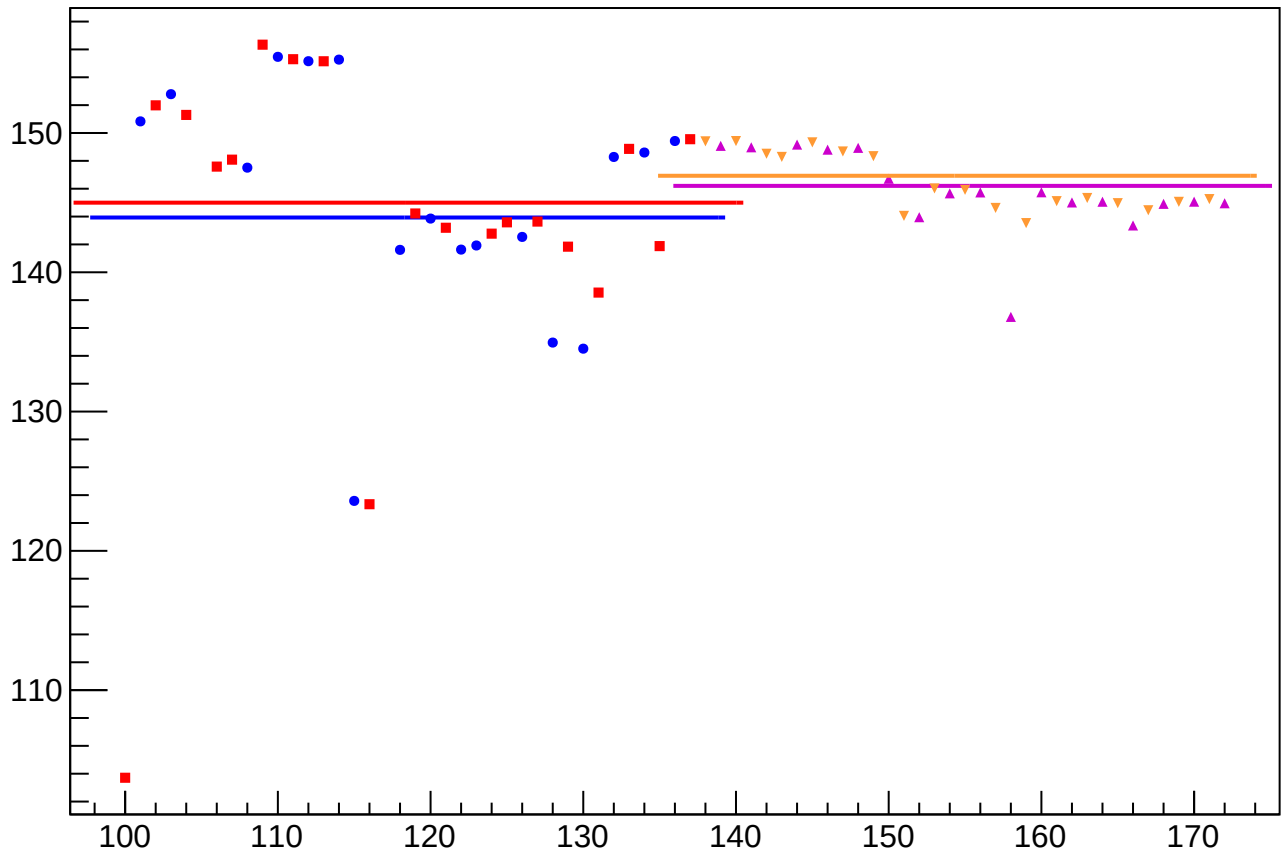
Left In: 0.428 ± 0.000 χ^2/NDF : 771186.9/16

+ sign 0.381 ± 0.000 χ^2/NDF : 2696486.0/34

All: 0.384 ± 0.000 χ^2/NDF : 5195474.7/70

- sign 0.386 ± 0.000 χ^2/NDF : 2495535.6/35

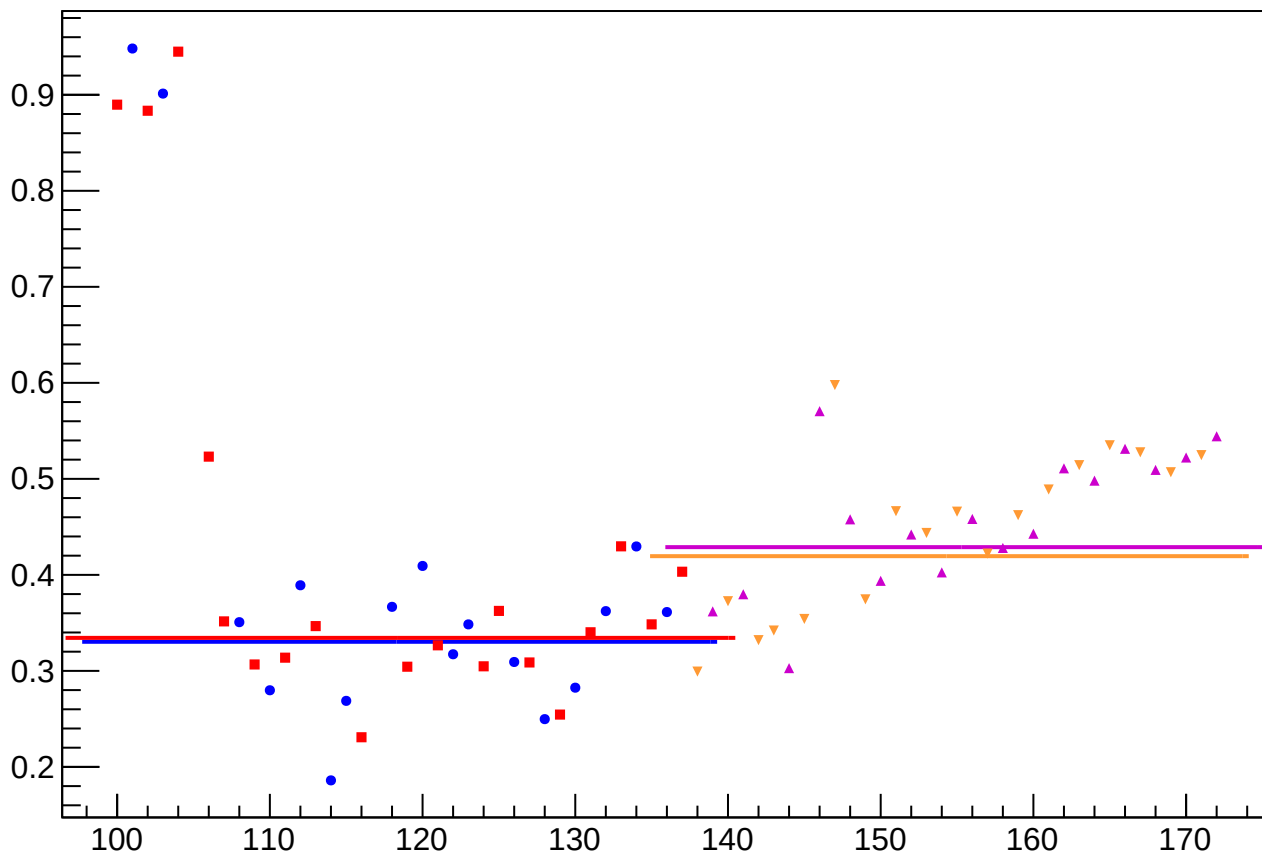
yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 ± 0.000 χ^2/NDF : 3383012861.2/16
 Left Out: 146.929 ± 0.000 χ^2/NDF : 311106280.9/17
 Right Out: 144.998 ± 0.000 χ^2/NDF : 3932958476.0/18
 Left In: 146.204 ± 0.000 χ^2/NDF : 629320654.2/16

+ sign 145.685 ± 0.000 χ^2/NDF : 3959079062.6/34
 All: 145.681 ± 0.000 χ^2/NDF : 8564177221.2
 - sign 145.678 ± 0.000 χ^2/NDF : 4605095280.3/35

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.419 ± 0.000 χ^2/NDF : 929954.9/17

Right Out: 0.334 ± 0.000 χ^2/NDF : 1174012.0/18

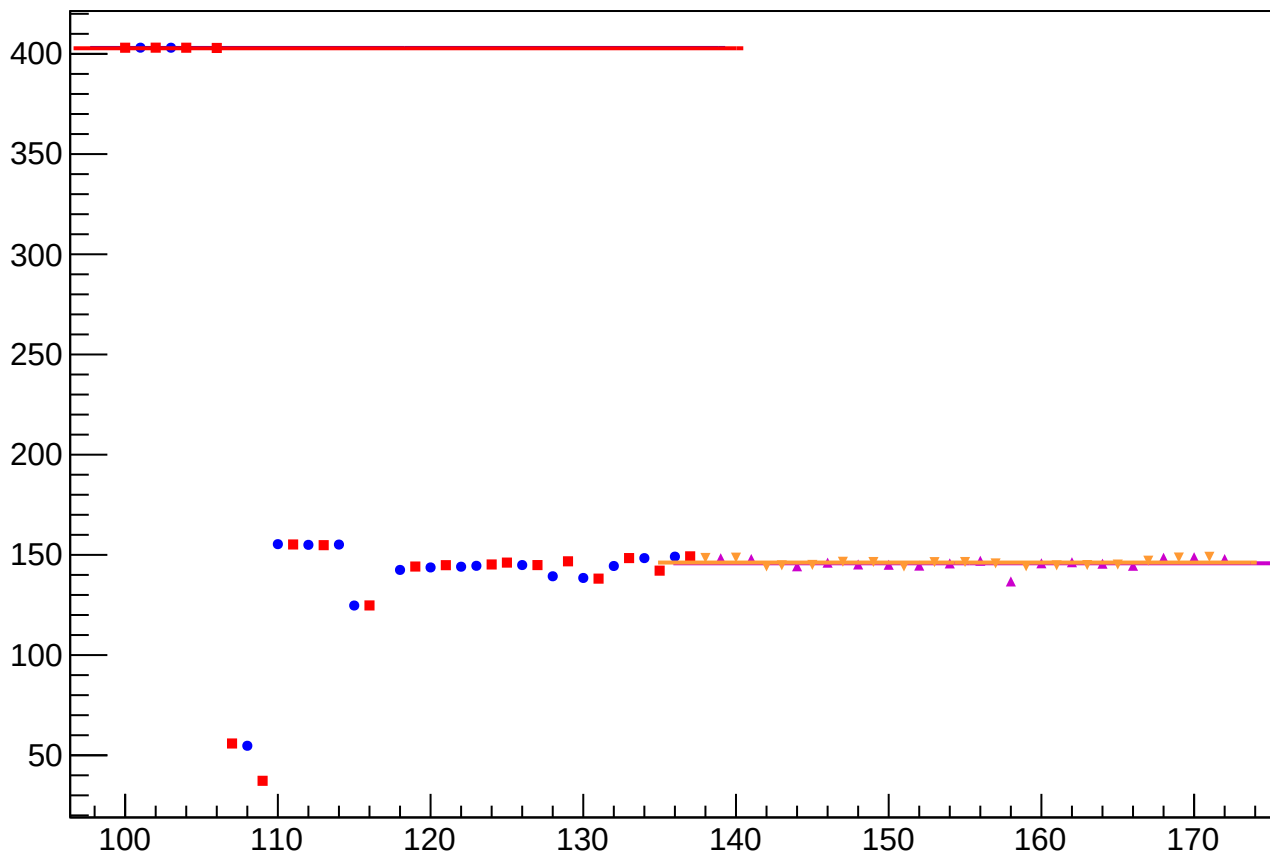
Left In: 0.429 ± 0.000 χ^2/NDF : 744170.0/16

+ sign 0.382 ± 0.000 χ^2/NDF : 2683072.4/34

All: 0.385 ± 0.000 χ^2/NDF : 5130205.4/70

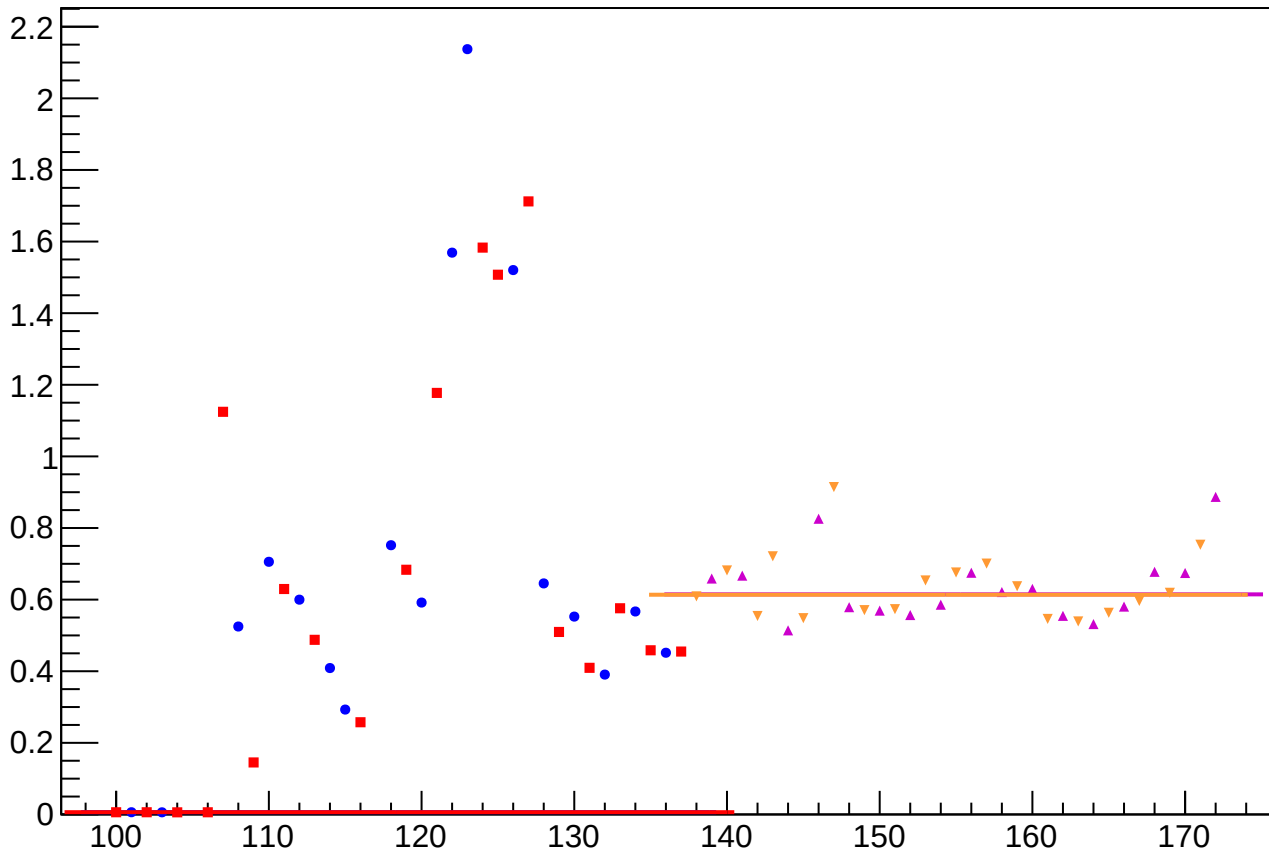
- sign 0.388 ± 0.000 χ^2/NDF : 2443861.8/35

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16
 Left Out: 146.170+/-0.000 χ^2/NDF : 71249401.3/17
 Right Out: 402.799+/-0.000 χ^2/NDF : 3102036567767.5/18
 Left In: 145.801+/-0.000 χ^2/NDF : 168896615.4/16

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.614+/-0.000 χ^2/NDF :309657.1/17

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

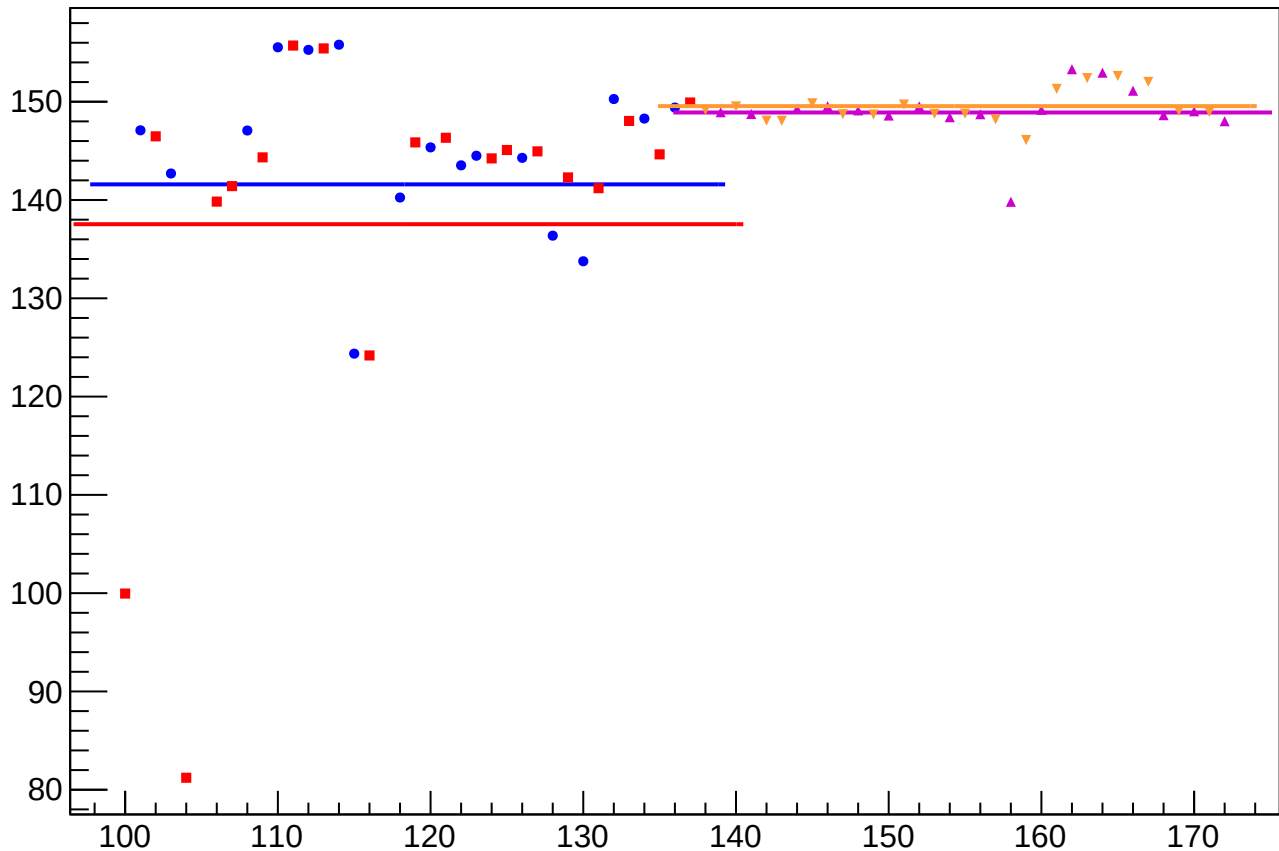
Left In: 0.615+/-0.000 χ^2/NDF :345282.8/16

+ sign 0.007+/-0.000 χ^2/NDF : 29043539.4/34

All: 0.007+/-0.000 χ^2/NDF : 57773552.1/70

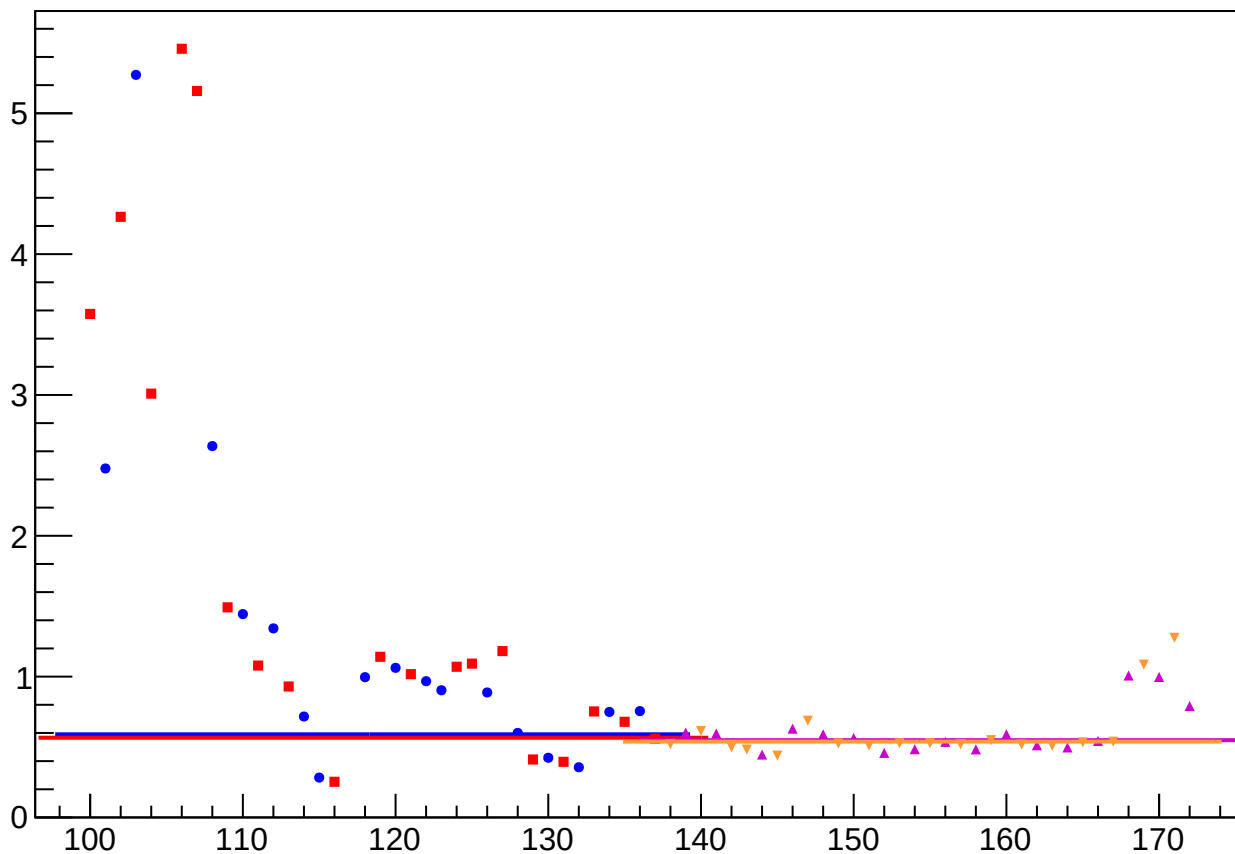
- sign 0.007+/-0.000 χ^2/NDF : 28729787.4/35

yield_cav4cQ_mean vs Slug



Right In: 141.593 $\pm$ 0.000	χ^2 /NDF: 980101868.2/16	+ sign 147.936 $\pm$ 0.000	χ^2 /NDF: 1609599209.8/34
Left Out: 149.551 $\pm$ 0.000	χ^2 /NDF: 119957794.7/17	All: 147.179 $\pm$ 0.000	χ^2 /NDF: 4417036762.7
Right Out: 137.539 $\pm$ 0.000	χ^2 /NDF: 1316096307.7/18	- sign 146.396 $\pm$ 0.000	χ^2 /NDF: 2749472746.9/35
Left In: 148.905 $\pm$ 0.000	χ^2 /NDF: 363986462.1/16		

yield_cav4cQ_rms vs Slug



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.539 $\pm$ 0.000 χ^2 /NDF:1026039.5/17

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

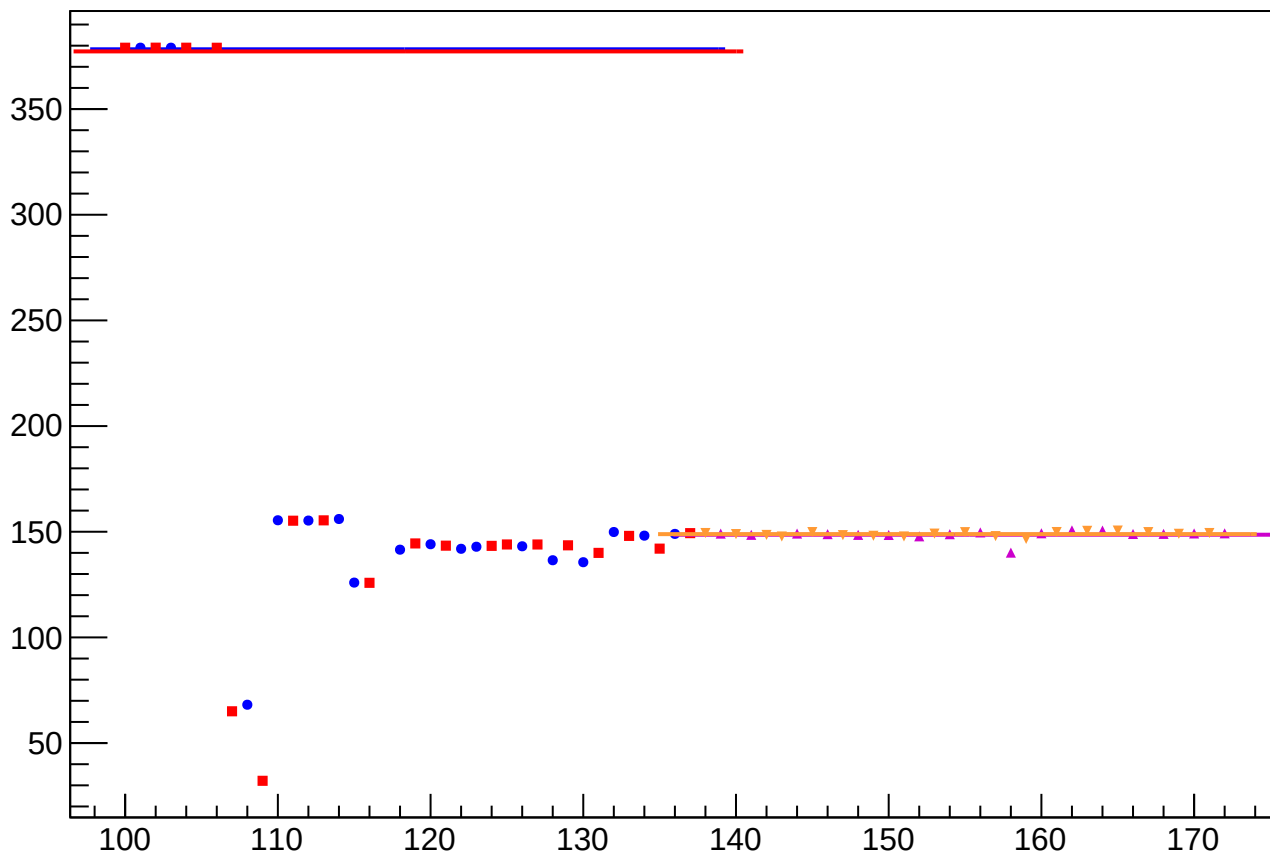
Left In: 0.549 $\pm$ 0.000 χ^2 /NDF:958898.6/16

+ sign 0.549 $\pm$ 0.000 χ^2 /NDF: 4560665.8/34

All: 0.551 $\pm$ 0.000 χ^2 /NDF: 10208670.1/70

- 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: 148.865+/-0.000 χ^2/NDF : 60638060.3/17

Right Out: 377.287+/-0.000 χ^2/NDF : 8286303106836.4/18

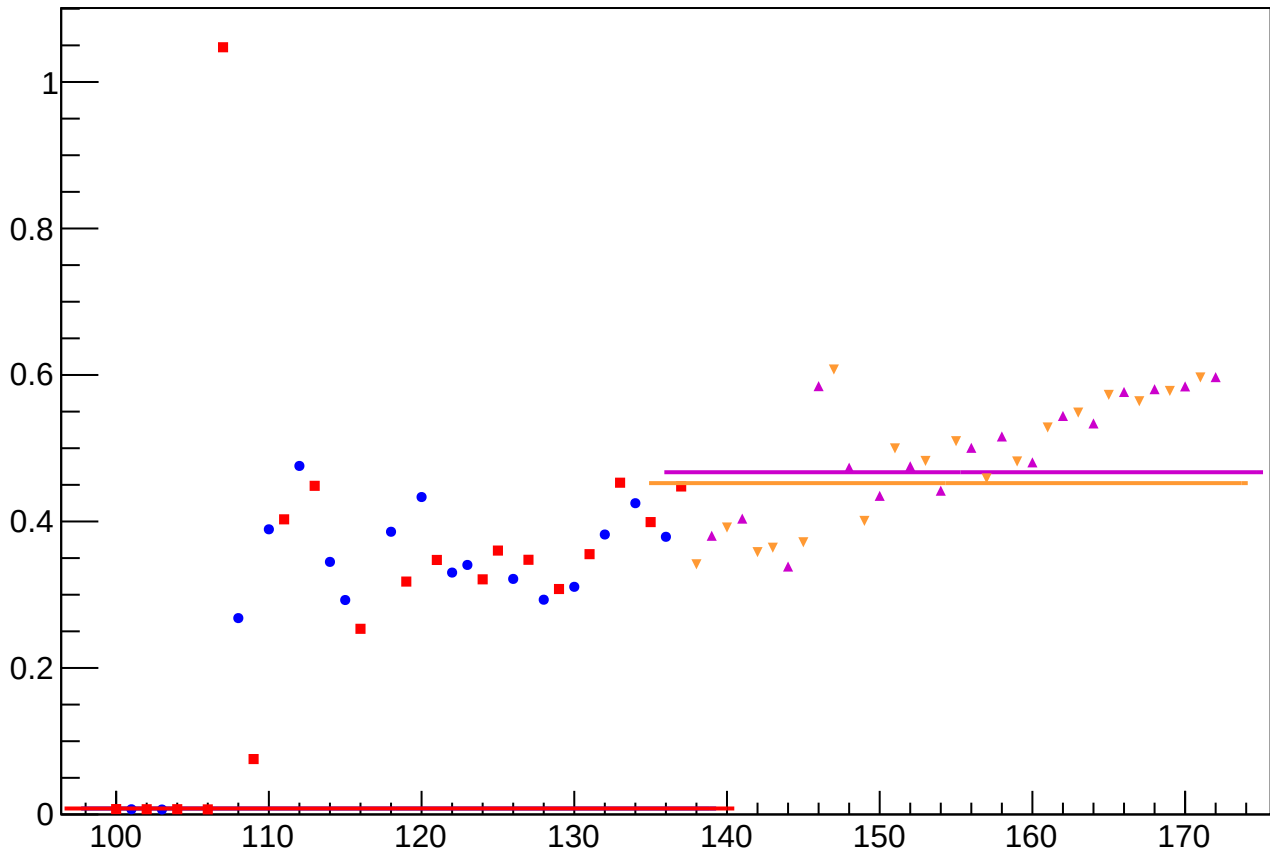
Left In: 148.590+/-0.000 χ^2/NDF : 235643643.2/16

+ sign 377.225+/-0.000 χ^2/NDF : 5738703383441.2

All: 376.801+/-0.000 χ^2/NDF : 170135295396

- 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: 0.452 $\pm$ 0.000 χ^2 /NDF:912441.0/17

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9522827.2/18

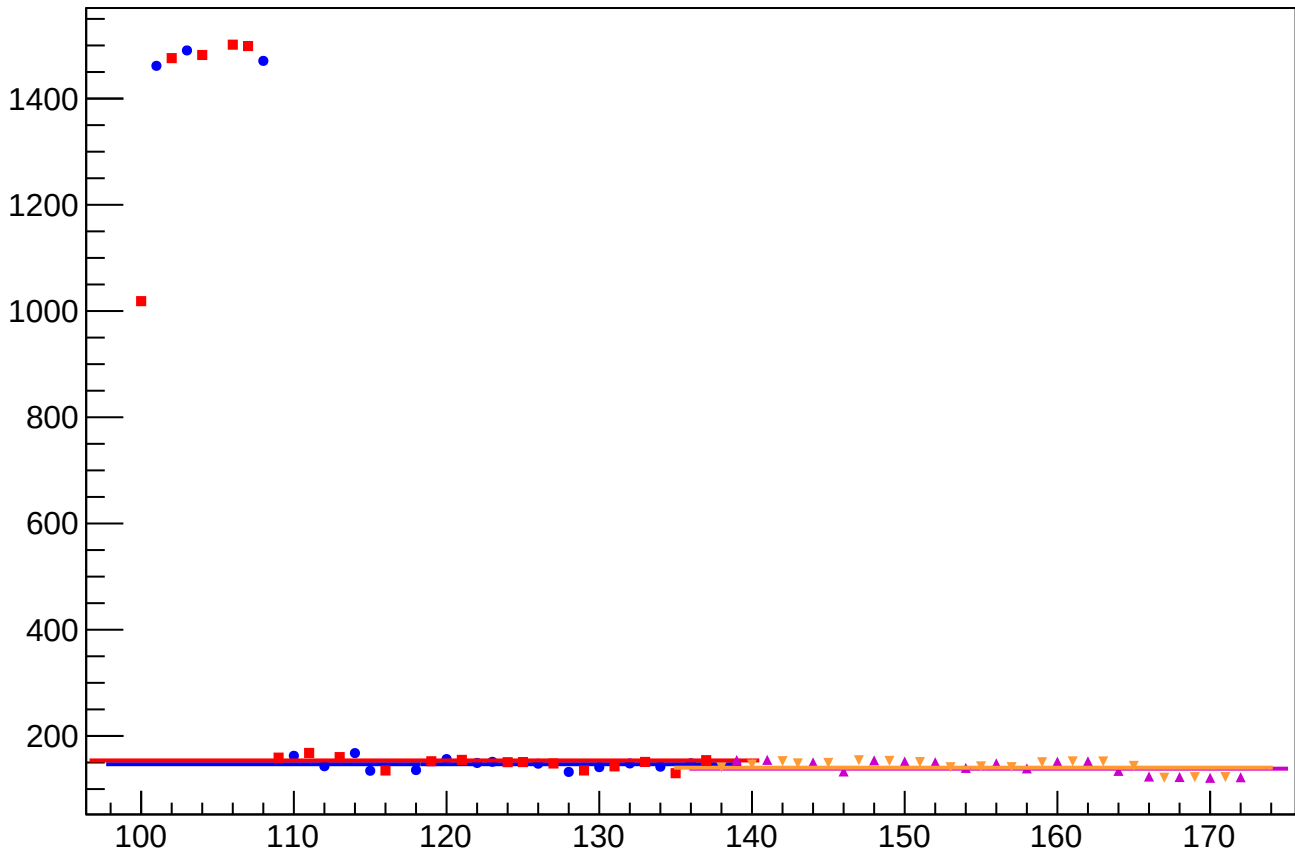
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF:737081.2/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 34943015.0/34

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 69250122.5/70

- 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: 140.242+/-0.000 χ^2/NDF : 2367738556.7/17

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

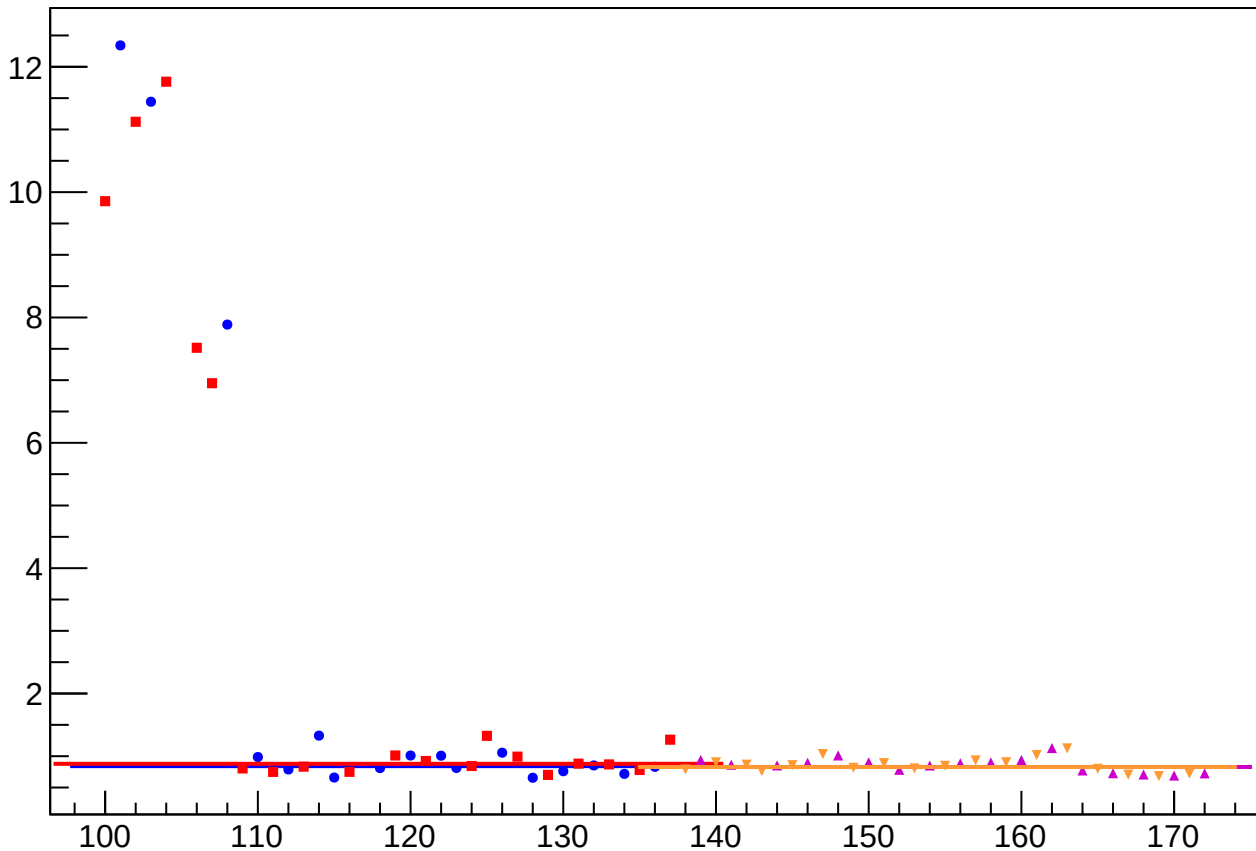
Left In: 138.427+/-0.000 χ^2/NDF : 2787202207.8/16

+ sign 141.881+/-0.000 χ^2/NDF : 26901423401.0/34

All: 142.074+/-0.000 χ^2/NDF : 64379585313.0

- 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: 0.827 $\pm$ 0.000 χ^2 /NDF:396897.7/17

Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 2814626.6/18

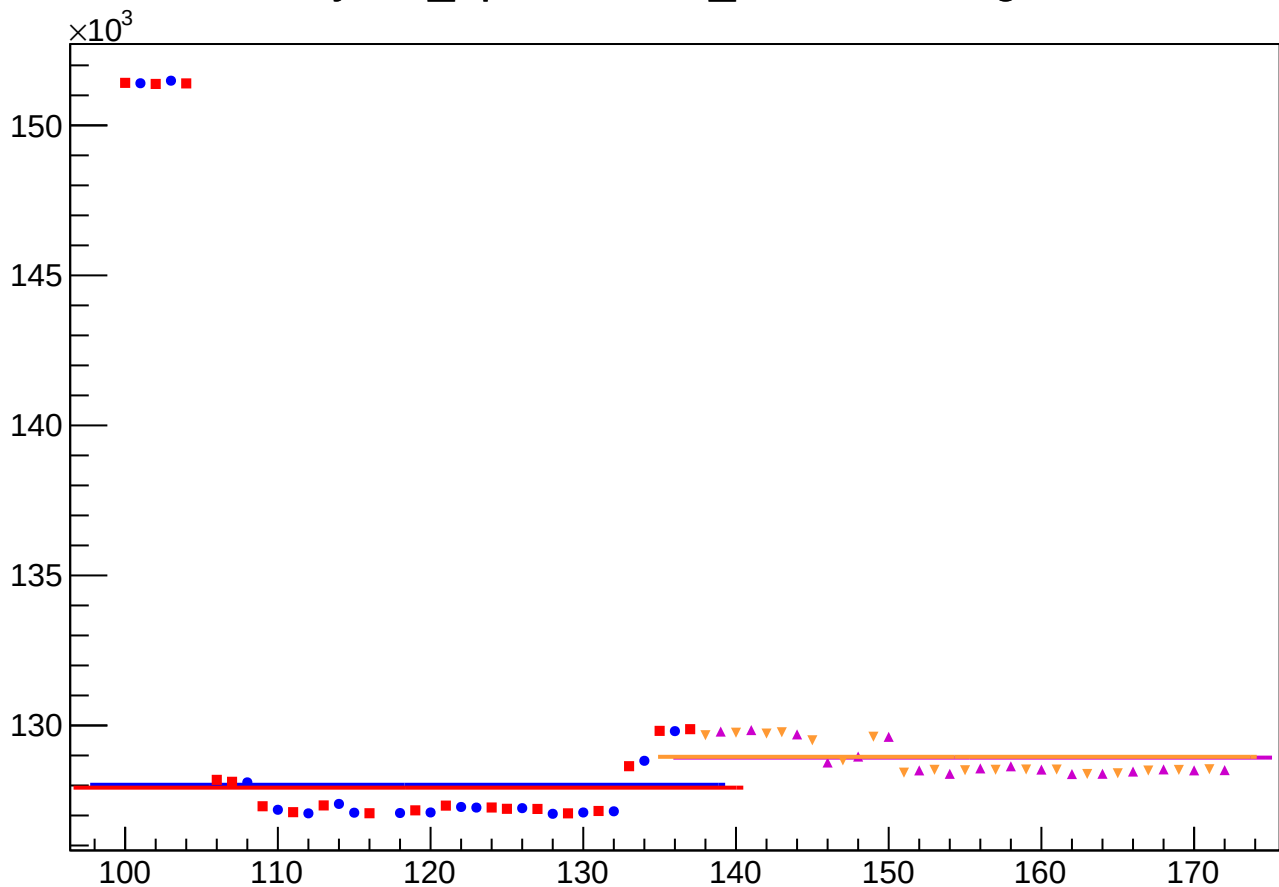
Left In: 0.828 $\pm$ 0.000 χ^2 /NDF:373121.6/16

+ sign 0.831 $\pm$ 0.000 χ^2 /NDF: 3060902.3/34

All: 0.835 $\pm$ 0.000 χ^2 /NDF: 6270973.3/70

- sign 0.840 $\pm$ 0.000 χ^2 /NDF: 3208017.1/35

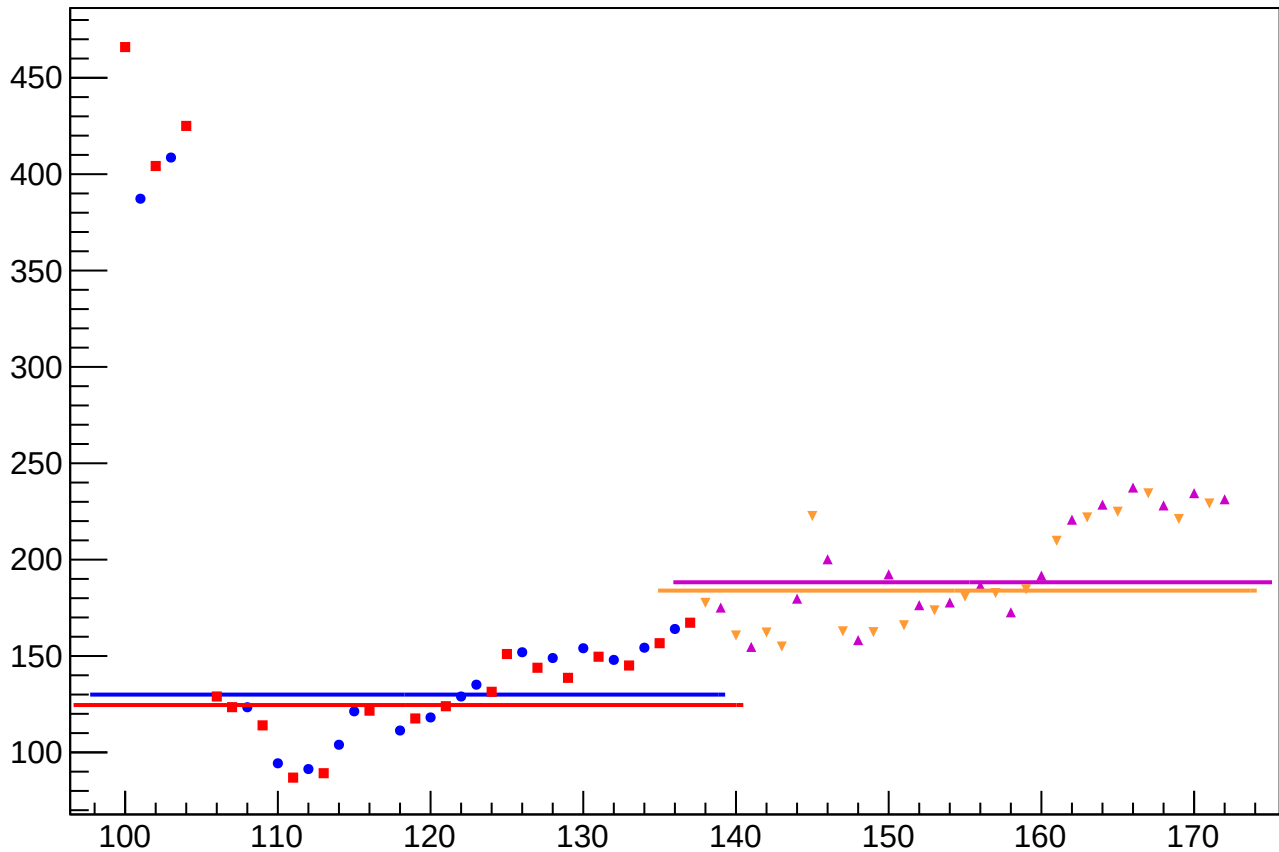
yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128955.486 $\pm$ 0.051 χ^2 /NDF: 124474599.6/17
 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 128522.488 $\pm$ 0.037 χ^2 /NDF: 4597351158.3
 All: 128463.816 $\pm$ 0.026 χ^2 /NDF: 867166215
 - sign 128407.763 $\pm$ 0.036 χ^2 /NDF: 4069440242.7

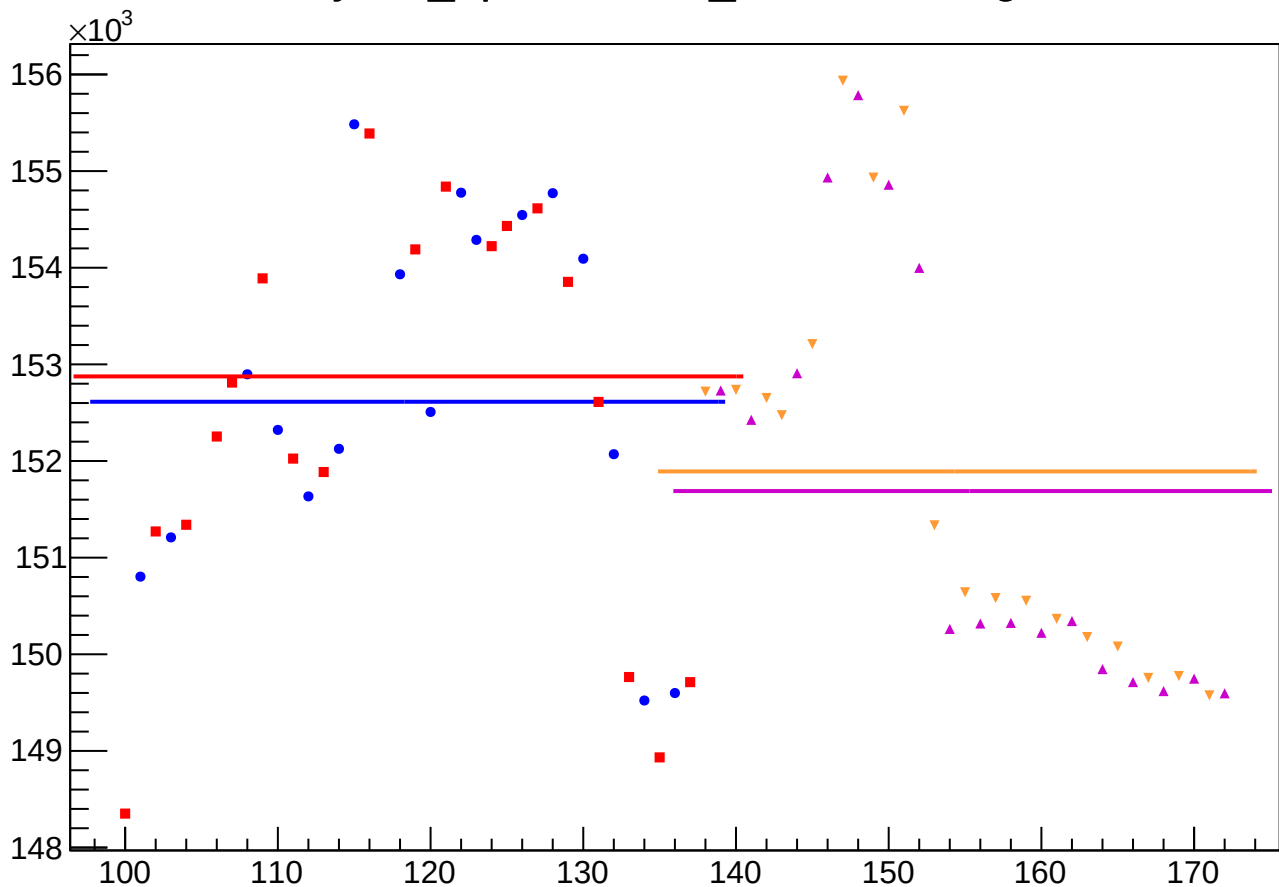
yield_bpm2i01WS_rms vs Slug



Right In: 129.980 ± 0.039 χ^2/NDF : 1485519.5/16
 Left Out: 183.942 ± 0.036 χ^2/NDF : 506994.4/17
 Right Out: 124.566 ± 0.036 χ^2/NDF : 1531273.9/18
 Left In: 188.266 ± 0.037 χ^2/NDF : 460843.3/16

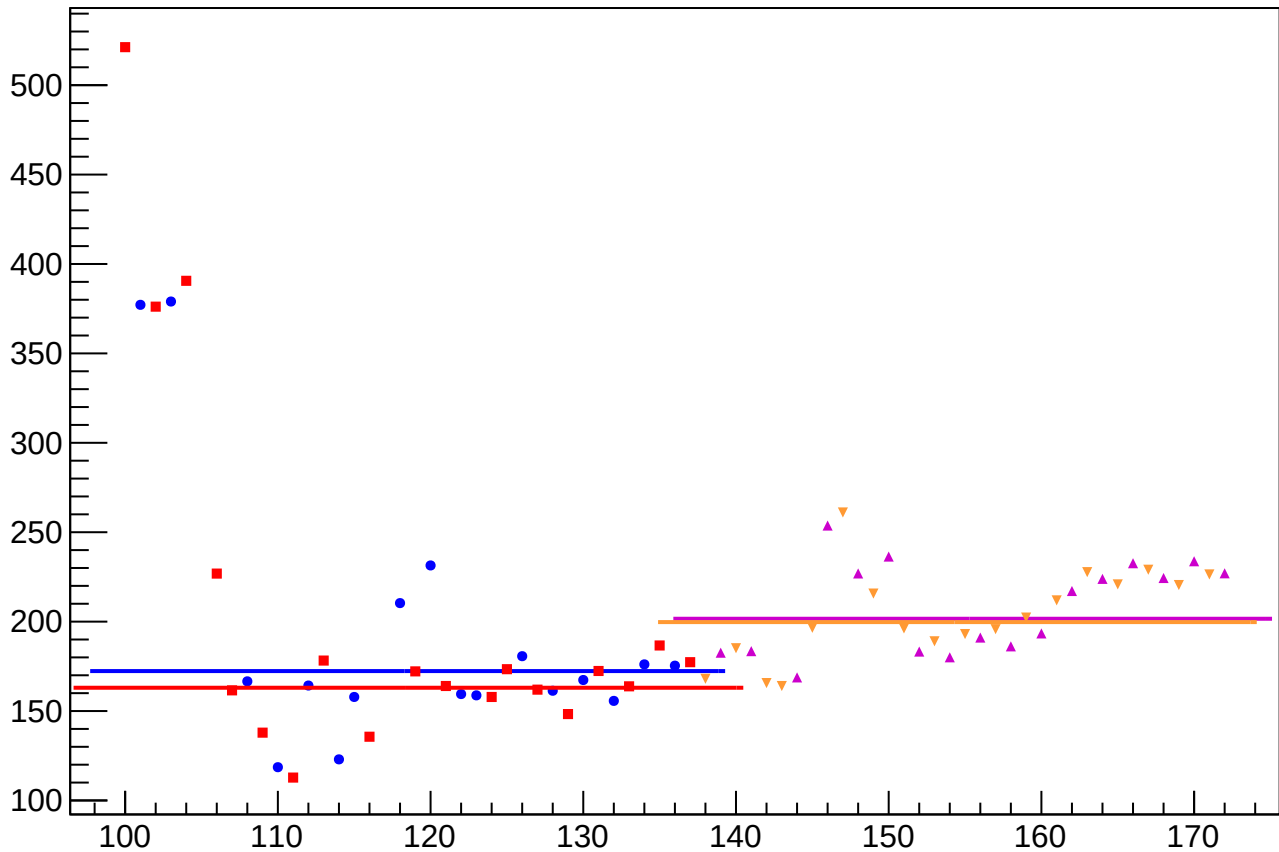
+ sign 158.870 ± 0.026 χ^2/NDF : 3040777.4/34
 All: 156.954 ± 0.018 χ^2/NDF : 6577466.1/70
 - sign 155.123 ± 0.026 χ^2/NDF : 3526293.5/35

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072	χ^2/NDF : 623356098.4/16	+ sign 152157.644 $\pm$ 0.044	χ^2/NDF : 1857869405.5
Left Out: 151892.227 $\pm$ 0.055	χ^2/NDF : 1171639731.5/17	All: 152172.142 $\pm$ 0.031	χ^2/NDF : 398265646
Right Out: 152875.313 $\pm$ 0.066	χ^2/NDF : 716358700.9/18	- sign 152185.983 $\pm$ 0.043	χ^2/NDF : 2124573372.5/19
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: 199.743+/-0.039 χ^2/NDF : 360984.8/17

+ sign 189.658+/-0.031 χ^2/NDF : 1464450.2/34

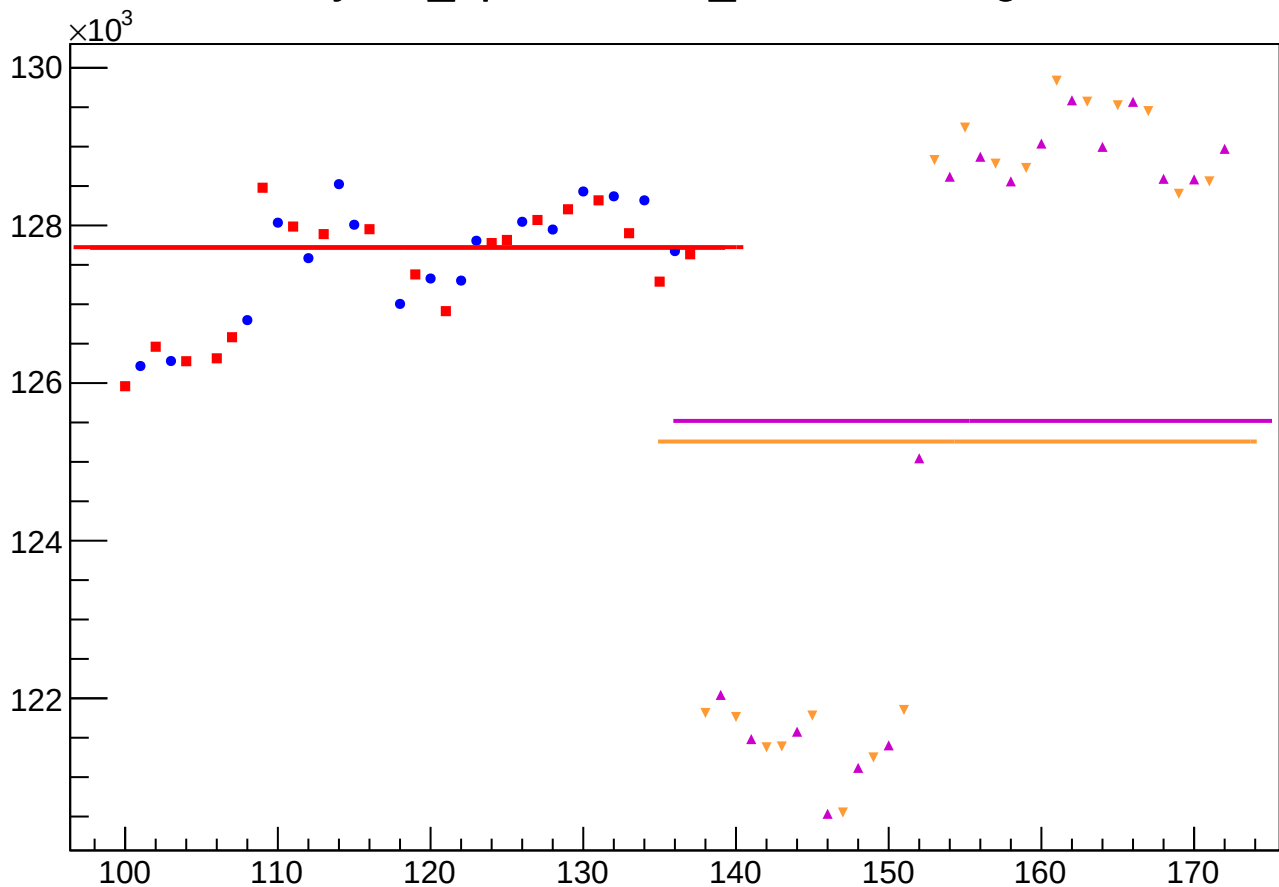
Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

All: 187.505+/-0.022 χ^2/NDF : 3282485.3/70

- sign 185.449+/-0.030 χ^2/NDF : 1808607.2/35

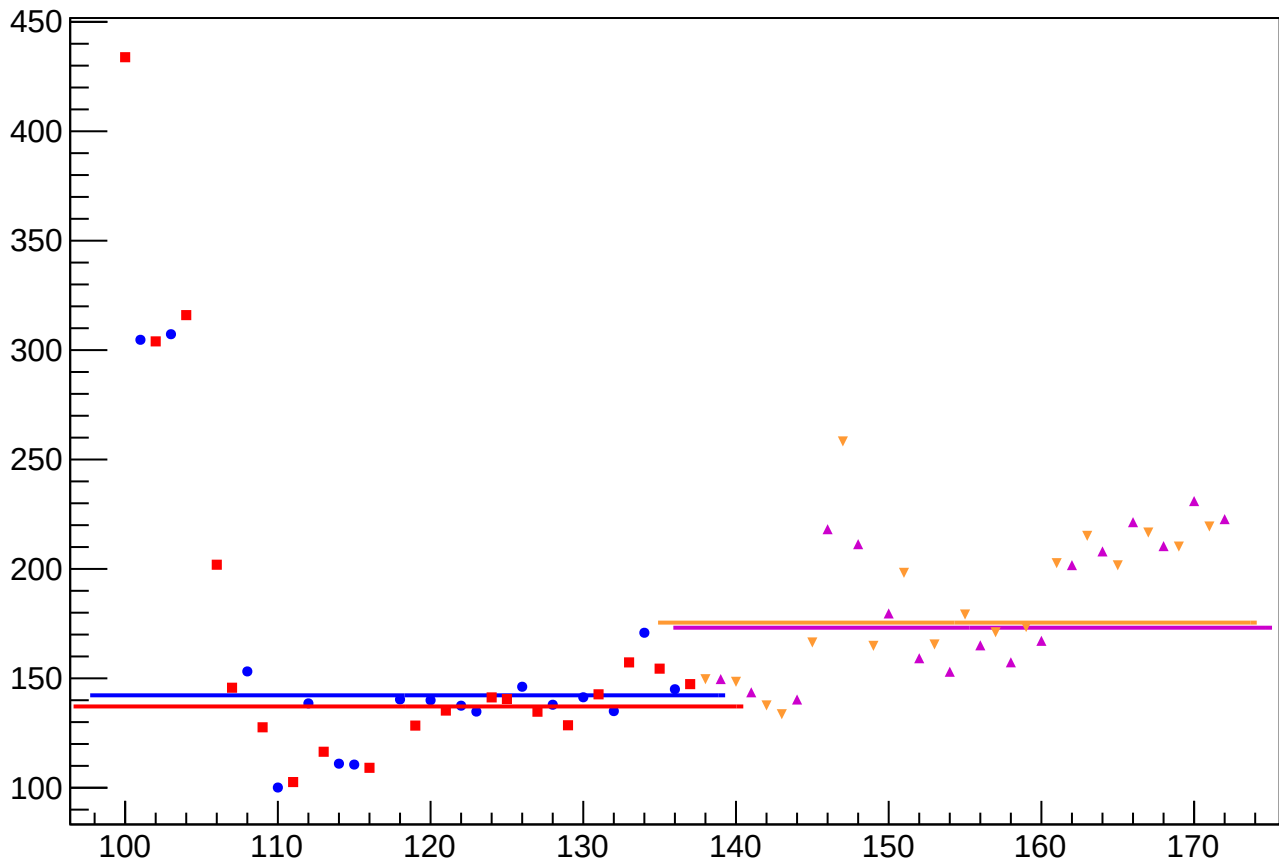
Left In: 201.611+/-0.040 χ^2/NDF : 381088.9/16

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16
 Left Out: 125258.380 $\pm$ 0.049 χ^2 /NDF: 5924189620.0/17
 Right Out: 127724.519 $\pm$ 0.055 χ^2 /NDF: 112550604.4/18
 Left In: 125520.093 $\pm$ 0.049 χ^2 /NDF: 5333086036.9/16
 + sign 126278.131 $\pm$ 0.038 χ^2 /NDF: 7061757736.8
 All: 126392.389 $\pm$ 0.026 χ^2 /NDF: 134337726
 - sign 126499.529 $\pm$ 0.036 χ^2 /NDF: 6354054991.1

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 175.466 $\pm$ 0.035 χ^2 /NDF: 741134.8/17

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

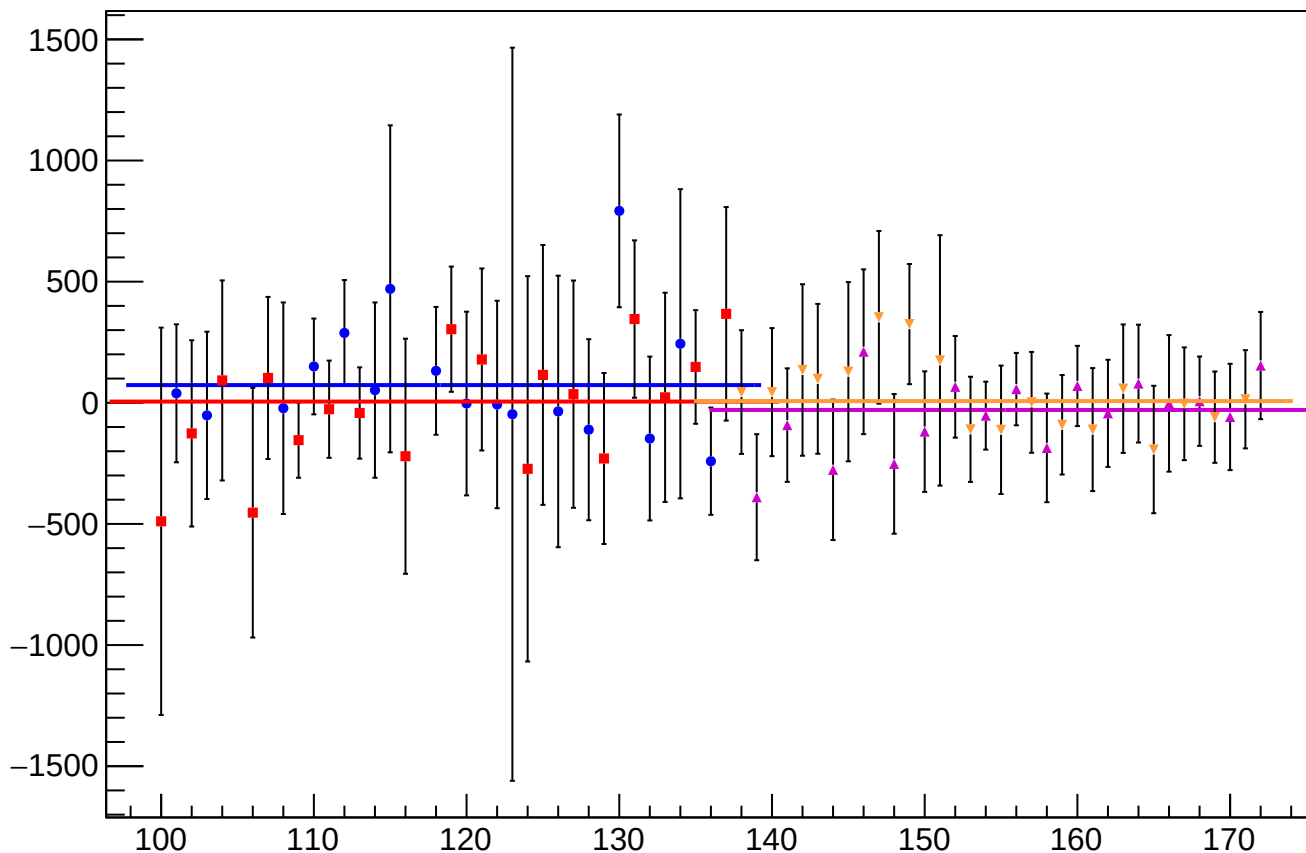
Left In: 173.139 $\pm$ 0.034 χ^2 /NDF: 716923.1/16

+ sign 161.690 $\pm$ 0.027 χ^2 /NDF: 1958022.8/34

All: 159.347 $\pm$ 0.018 χ^2 /NDF: 4131998.6/70

- 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: 7.100+/-59.694 χ^2/NDF : 4.7/17

Right Out: 5.021+/-70.098 χ^2/NDF : 7.1/18

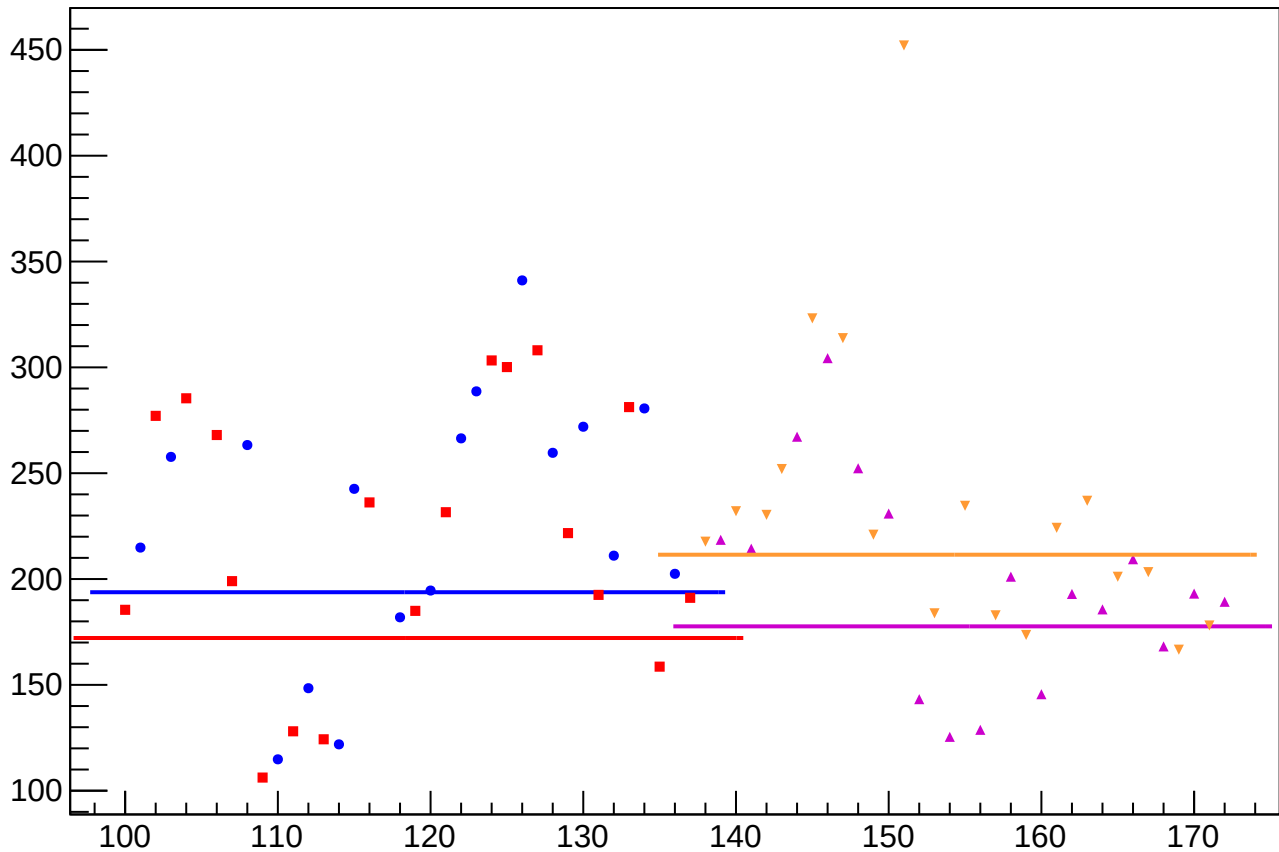
Left In: -29.608+/-51.507 χ^2/NDF : 6.3/16

+ sign 30.859+/-47.758 χ^2/NDF : 13.0/34

All: 3.328+/-31.328 χ^2/NDF : 27.2/70

- sign -17.467+/-41.507 χ^2/NDF : 13.6/35

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 211.493+/-0.042 χ^2/NDF : 1187136.1/17

Right Out: 172.142+/-0.050 χ^2/NDF : 1580035.1/18

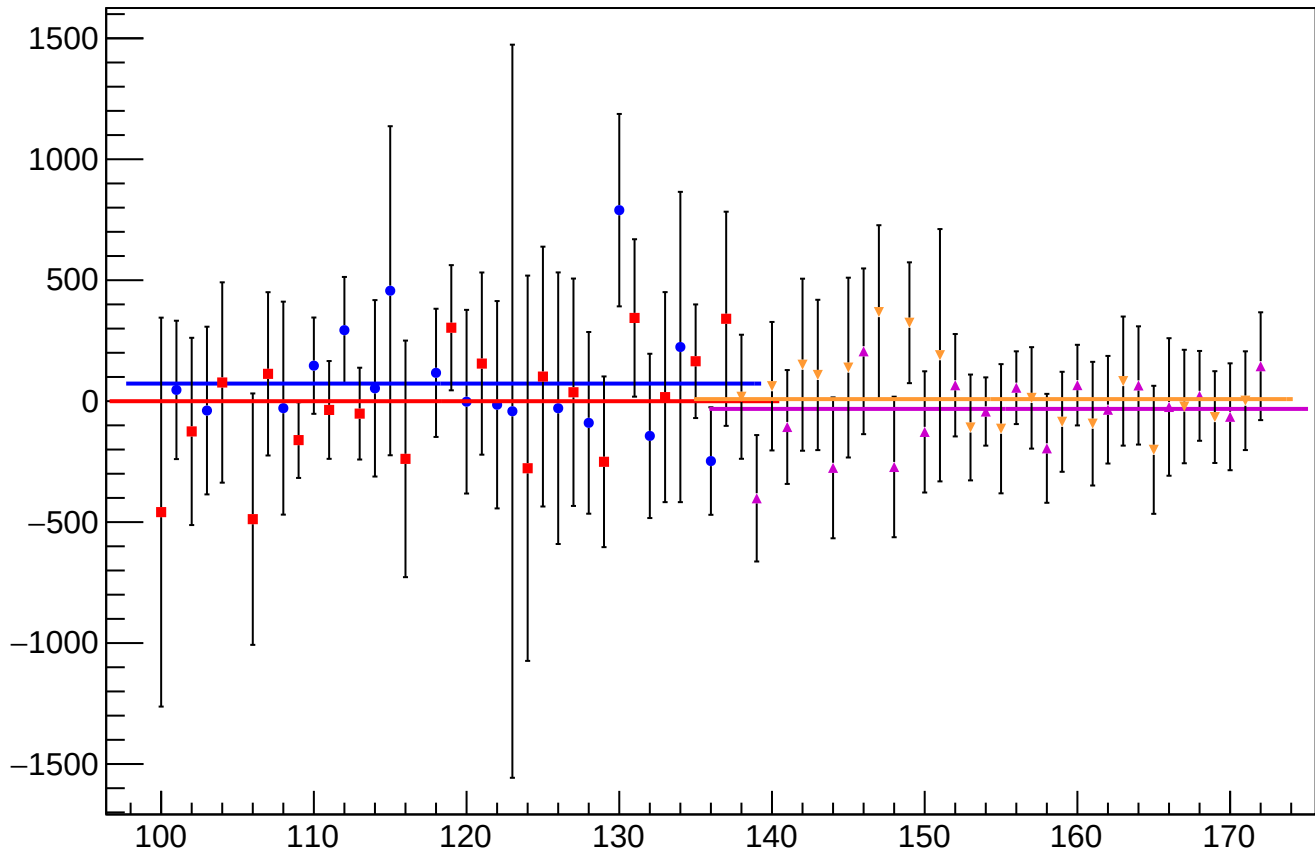
Left In: 177.644+/-0.036 χ^2/NDF : 1492421.5/16

+ sign 205.115+/-0.034 χ^2/NDF : 2267657.4/34

All: 188.367+/-0.022 χ^2/NDF : 5779906.2/70

- sign 175.715+/-0.029 χ^2/NDF : 3080459.3/35

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675 ± 79.992 χ^2/NDF : 7.8/16

Left Out: 8.481 ± 60.085 χ^2/NDF : 4.9/17

Right Out: -0.181 ± 70.467 χ^2/NDF : 7.3/18

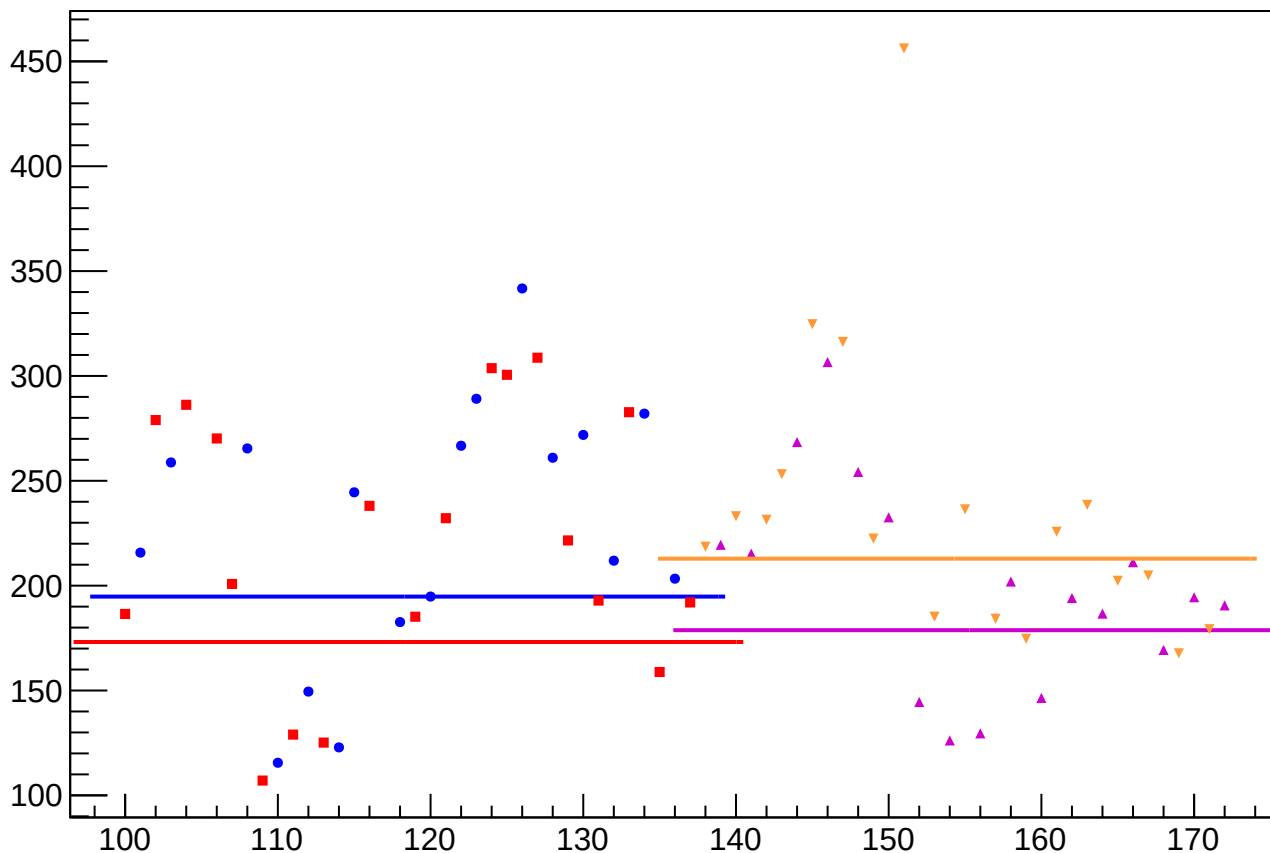
Left In: -32.037 ± 51.832 χ^2/NDF : 6.4/16

+ sign 31.636 ± 48.041 χ^2/NDF : 13.1/34

All: 1.734 ± 31.514 χ^2/NDF : 27.6/70

- sign -20.853 ± 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: 212.876 $\pm$ 0.042 χ^2 /NDF:1186069.6/17

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

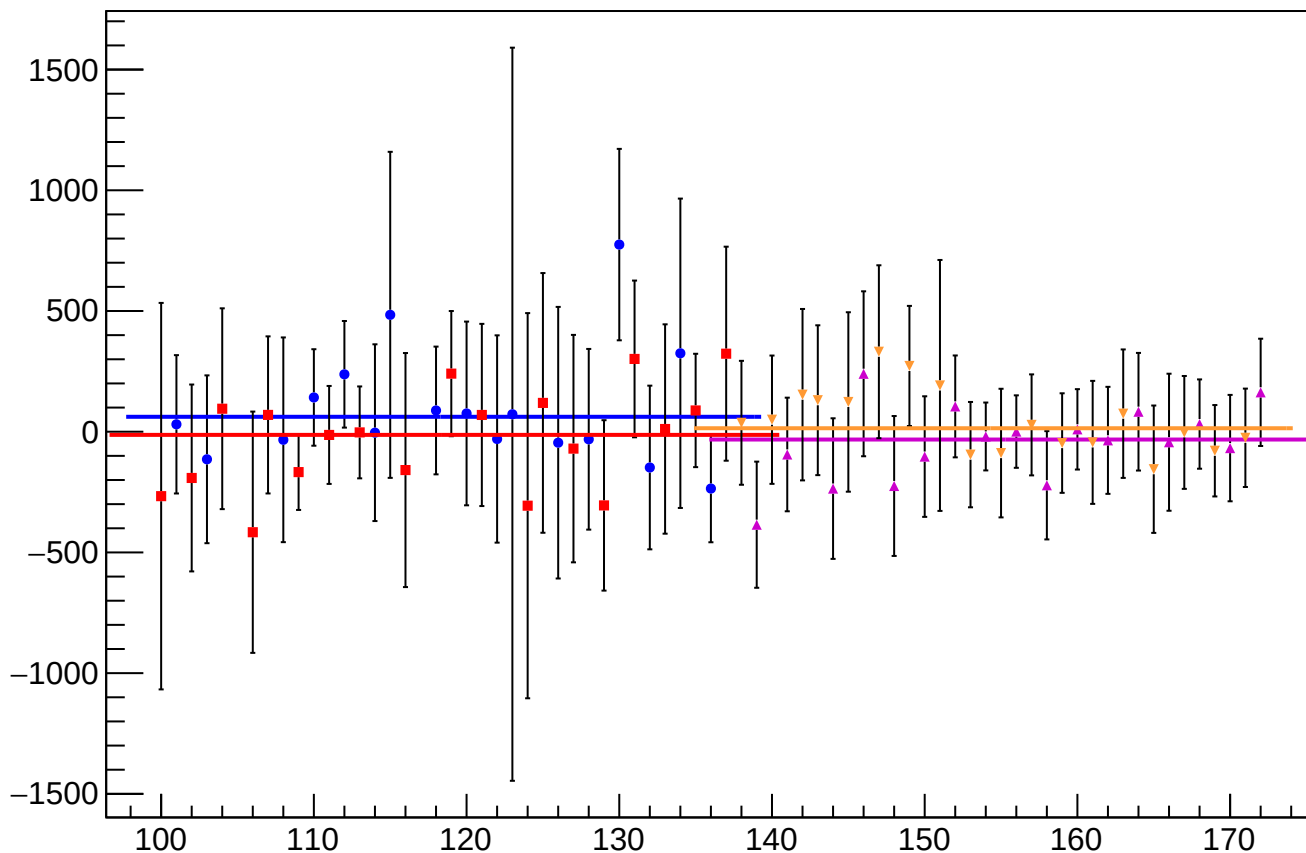
Left In: 178.761 $\pm$ 0.037 χ^2 /NDF:1491239.0/16

+ sign 206.349 $\pm$ 0.034 χ^2 /NDF: 2259779.5/34

All: 189.506 $\pm$ 0.022 χ^2 /NDF: 5758374.3/70

- 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: 14.400 ± 59.949 χ^2/NDF : 3.7/17

Right Out: -13.101 ± 70.391 χ^2/NDF : 5.8/18

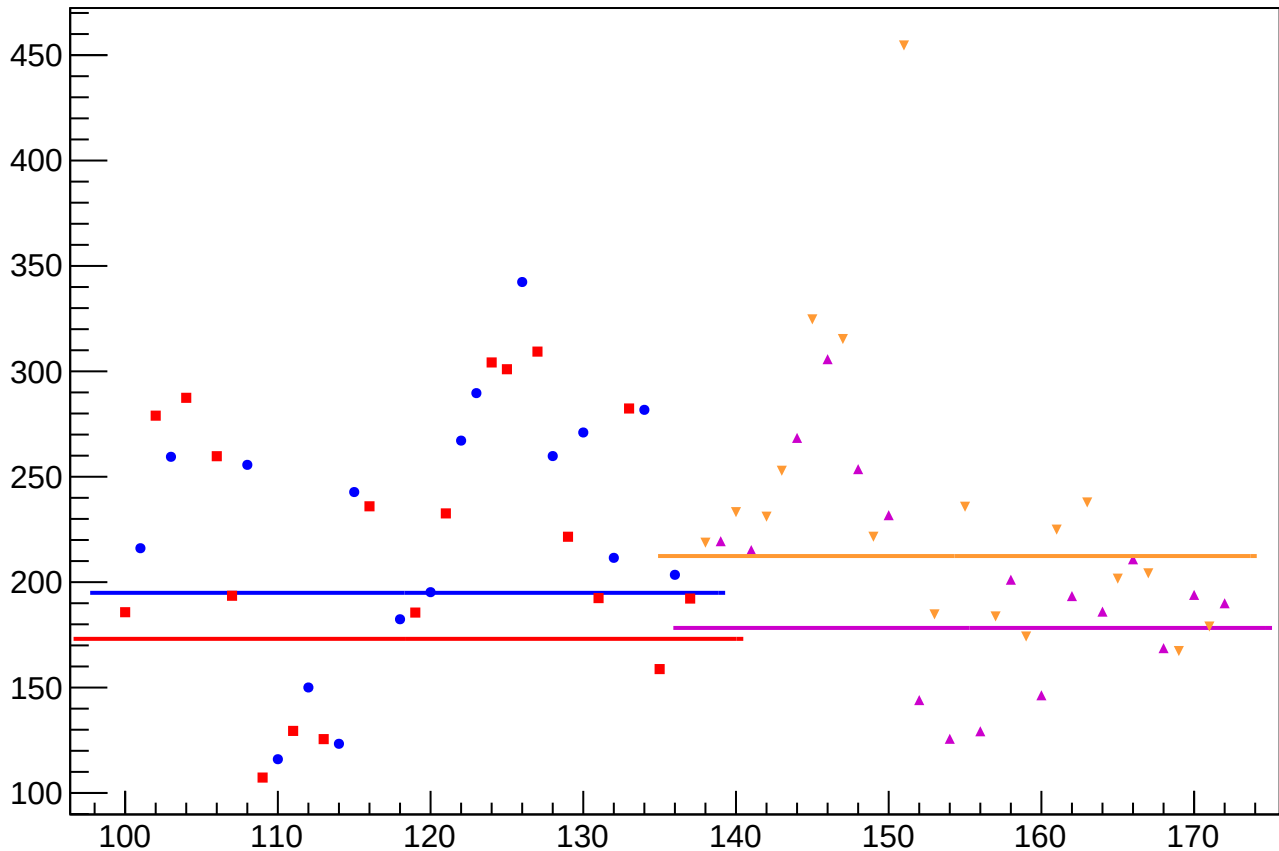
Left In: -32.371 ± 51.697 χ^2/NDF : 5.9/16

+ sign 31.454 ± 47.971 χ^2/NDF : 11.2/34

All: -1.076 ± 31.457 χ^2/NDF : 23.7/70

- 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: 212.388 $\pm$ 0.042 χ^2 /NDF:1187641.9/17

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

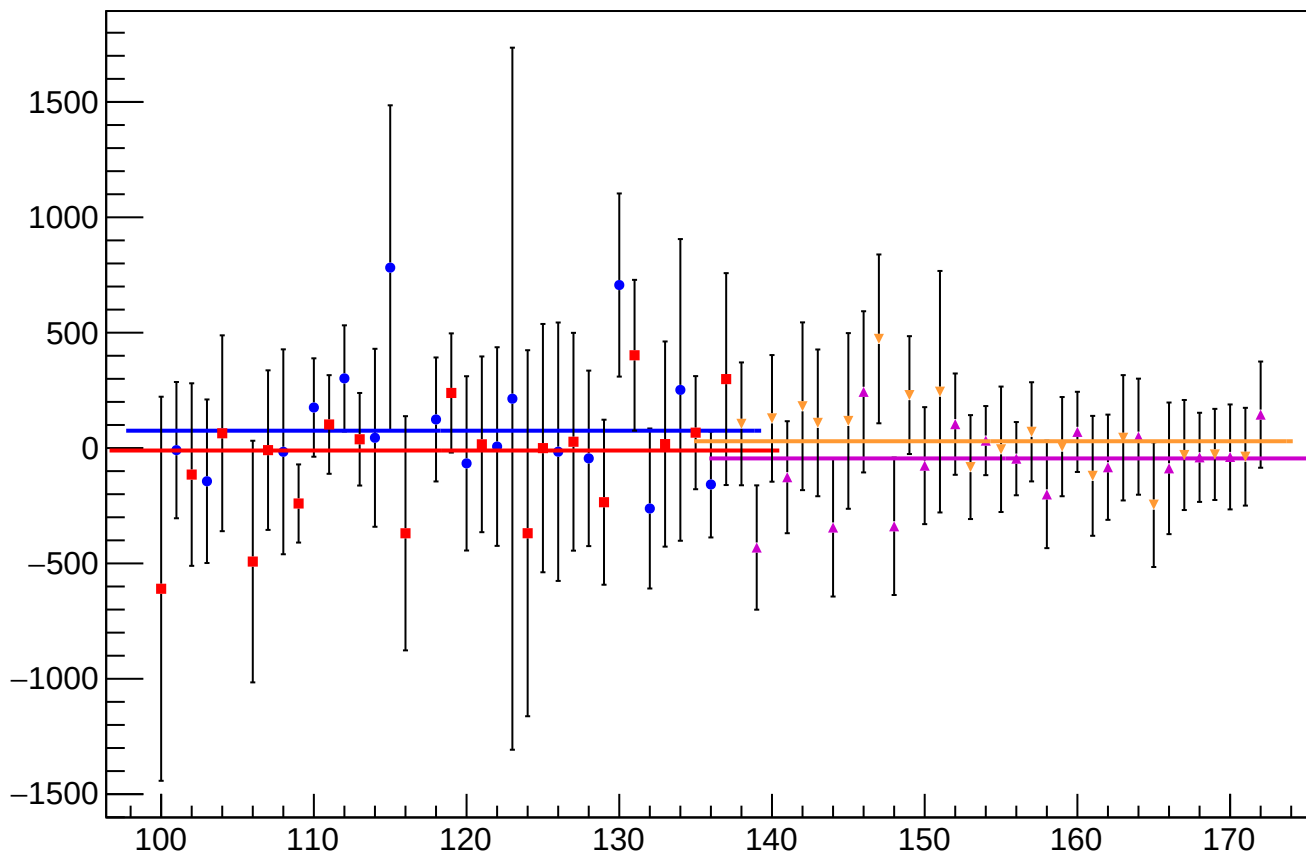
Left In: 178.285 $\pm$ 0.037 χ^2 /NDF:1494975.9/16

+ sign 206.112 $\pm$ 0.034 χ^2 /NDF: 2235217.9/34

All: 189.217 $\pm$ 0.022 χ^2 /NDF: 5717165.8/70

- 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: 29.510 $\pm$ 61.744 χ^2 /NDF: 4.7/17

Right Out: -10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

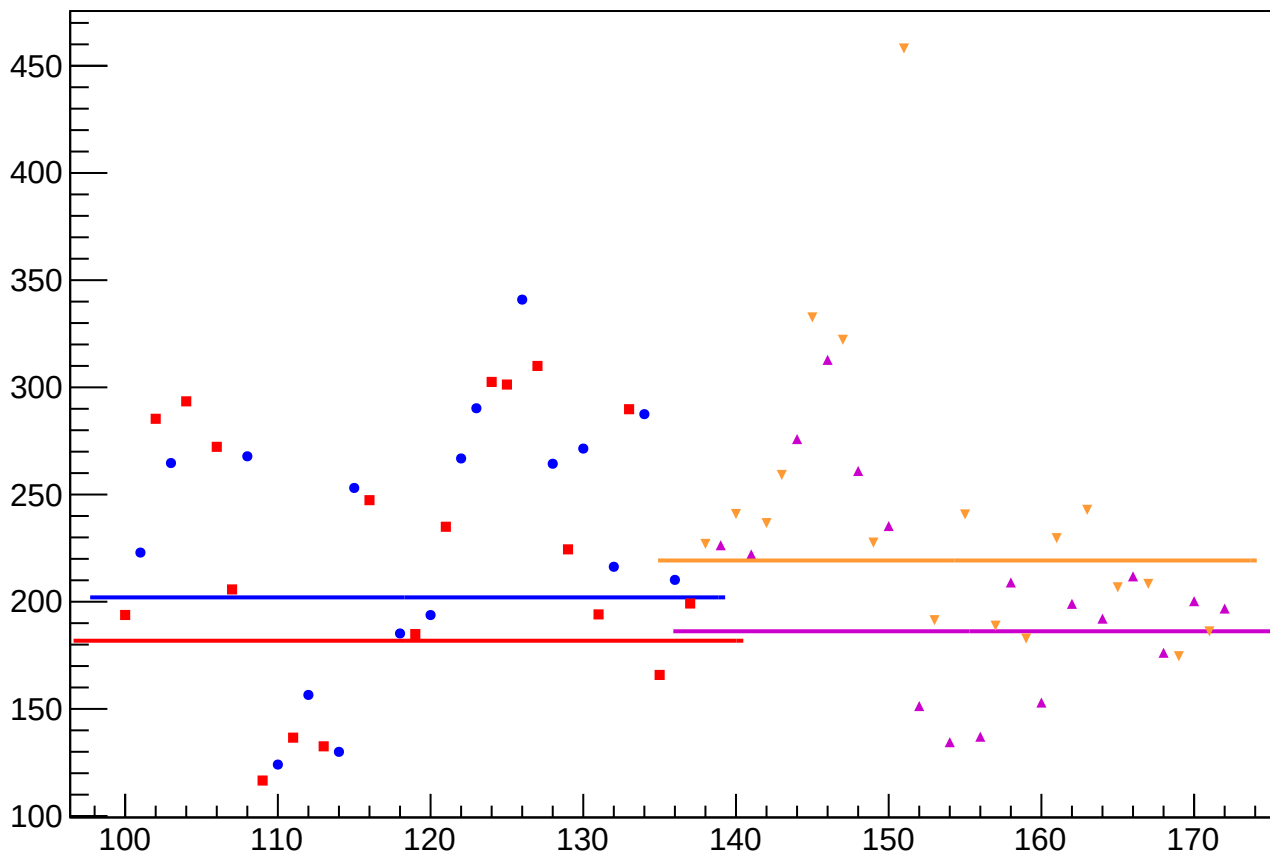
Left In: -44.953 $\pm$ 53.766 χ^2 /NDF: 7.3/16

+ sign 45.915 $\pm$ 49.434 χ^2 /NDF: 12.5/34

All: 1.333 $\pm$ 32.598 χ^2 /NDF: 29.2/70

- 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: 219.241 $\pm$ 0.044 χ^2 /NDF: 1123047.4/17

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

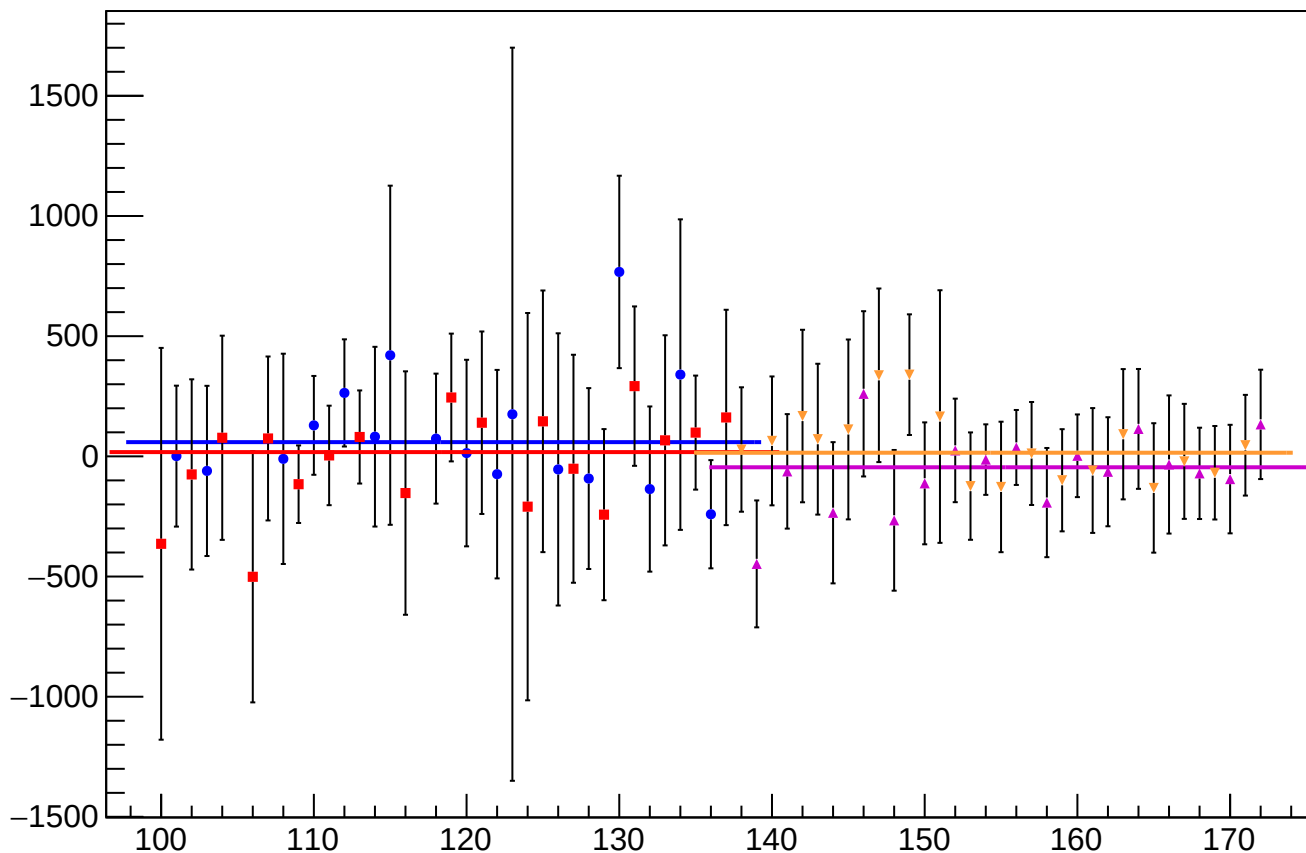
Left In: 186.223 $\pm$ 0.038 χ^2 /NDF: 1345962.6/16

+ sign 213.062 $\pm$ 0.035 χ^2 /NDF: 2060452.4/34

All: 197.022 $\pm$ 0.023 χ^2 /NDF: 5161242.5/70

- 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: 15.094 $\pm$ 61.138 χ^2 /NDF: 4.5/17

Right Out: 17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

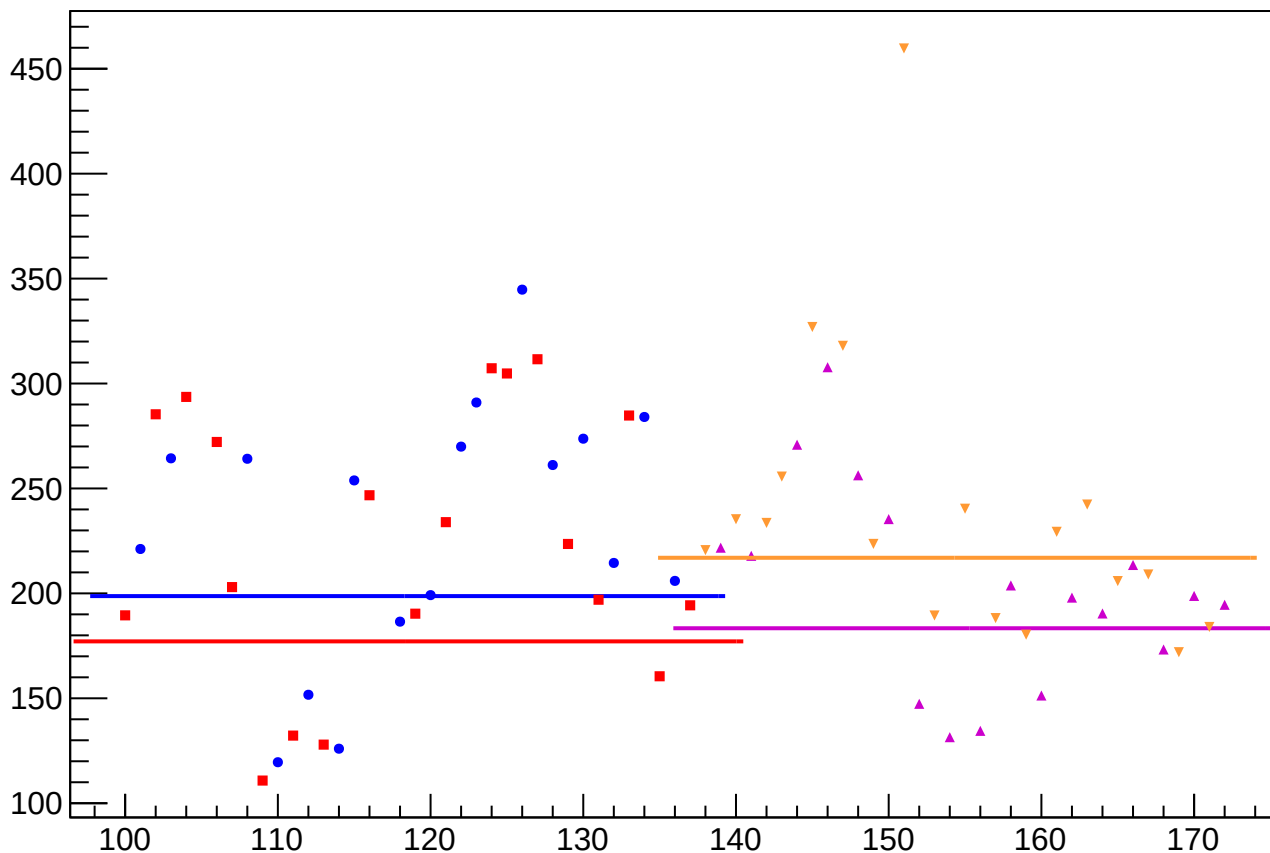
Left In: -45.438 $\pm$ 53.014 χ^2 /NDF: 6.2/16

+ sign 30.988 $\pm$ 48.889 χ^2 /NDF: 11.8/34

All: 0.235 $\pm$ 32.147 χ^2 /NDF: 23.9/70

- 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: 216.965 $\pm$ 0.043 χ^2 /NDF:1126480.6/17

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

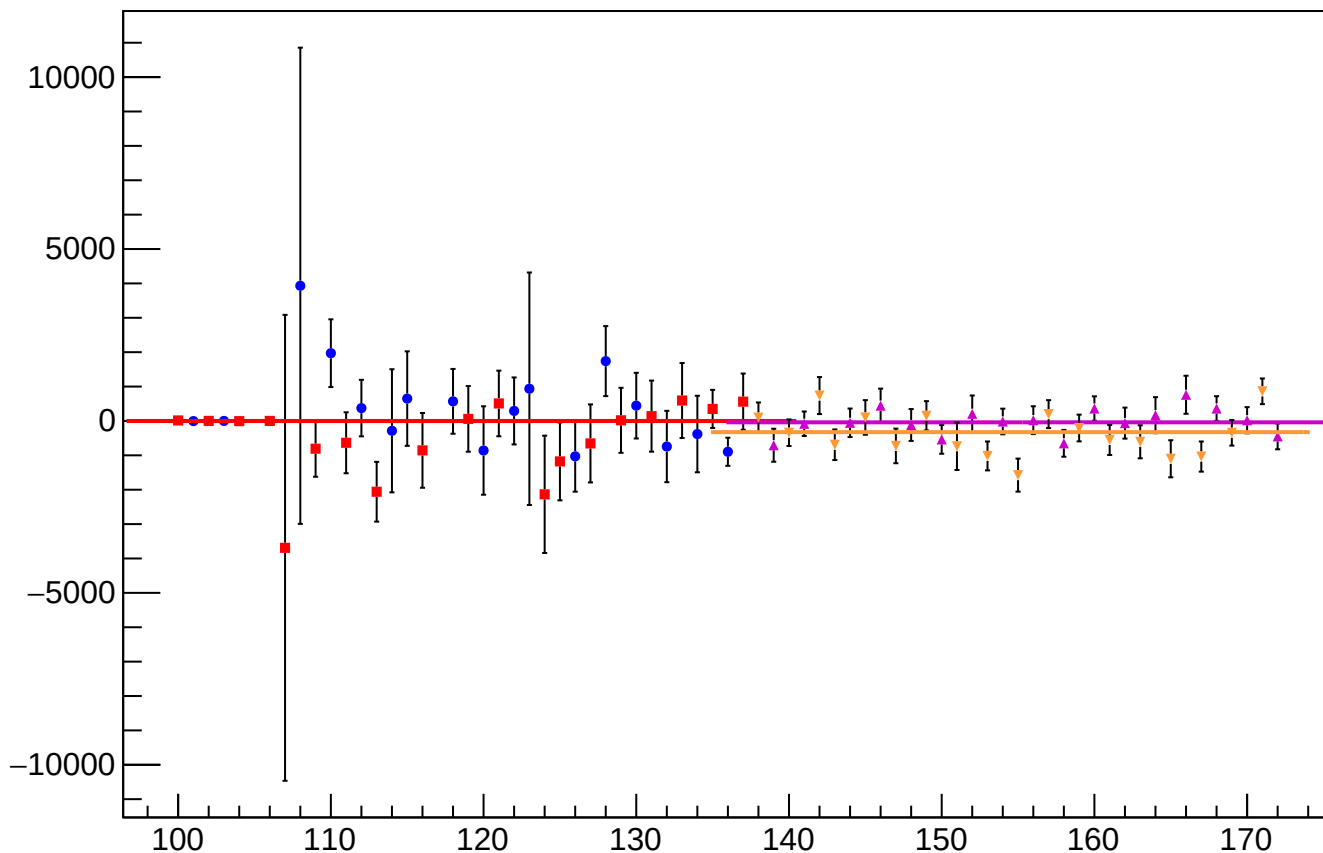
Left In: 183.381 $\pm$ 0.037 χ^2 /NDF:1371526.7/16

+ sign 210.381 $\pm$ 0.035 χ^2 /NDF: 2154215.5/34

All: 193.805 $\pm$ 0.023 χ^2 /NDF: 5465513.7/70

- 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: -325.187 ± 104.729 χ^2/NDF : 35.2/17

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.4/18

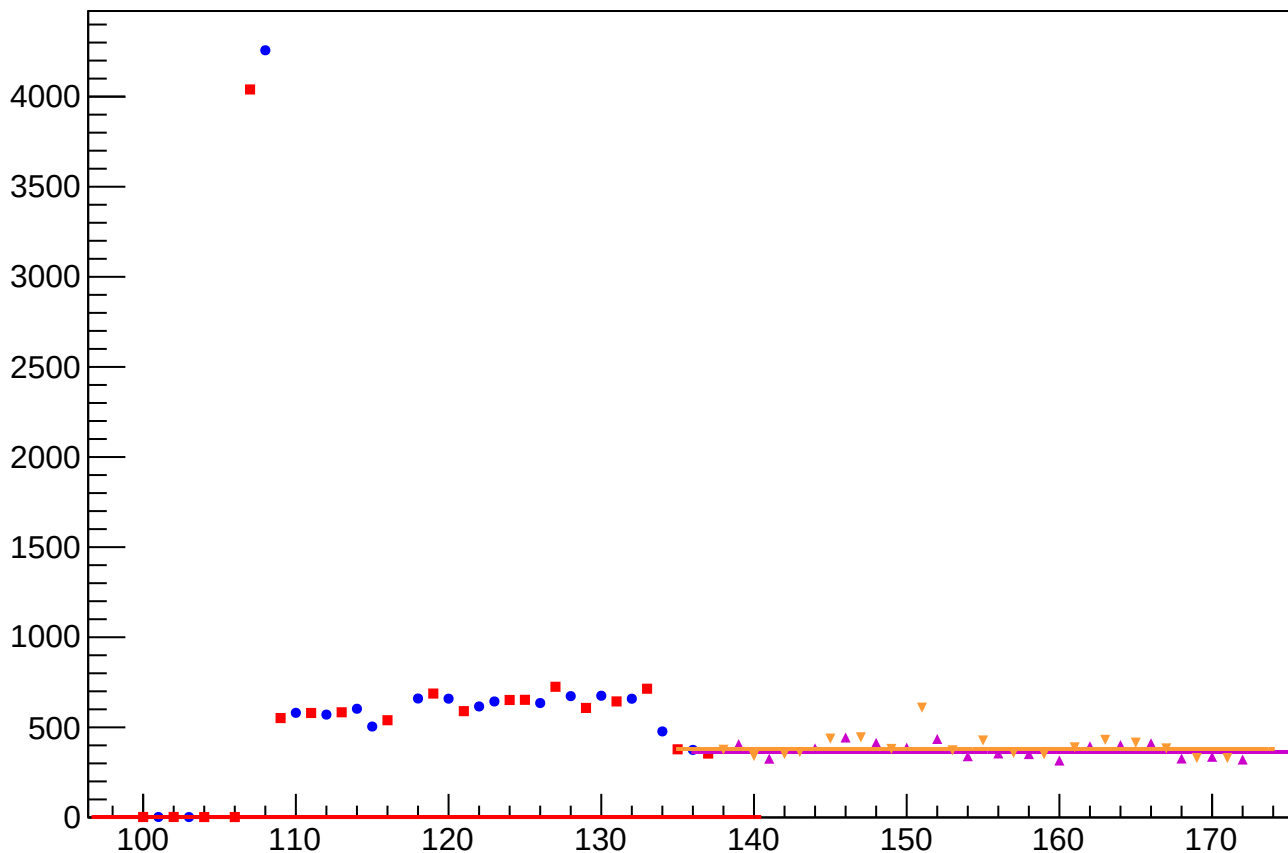
Left In: -40.040 ± 101.303 χ^2/NDF : 13.0/16

+ sign -1.678 ± 2.251 χ^2/NDF : 61.4/34

All: -1.184 ± 1.540 χ^2/NDF : 93.0/70

- 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: 380.006+/-0.074 χ^2/NDF : 451726.5/17

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

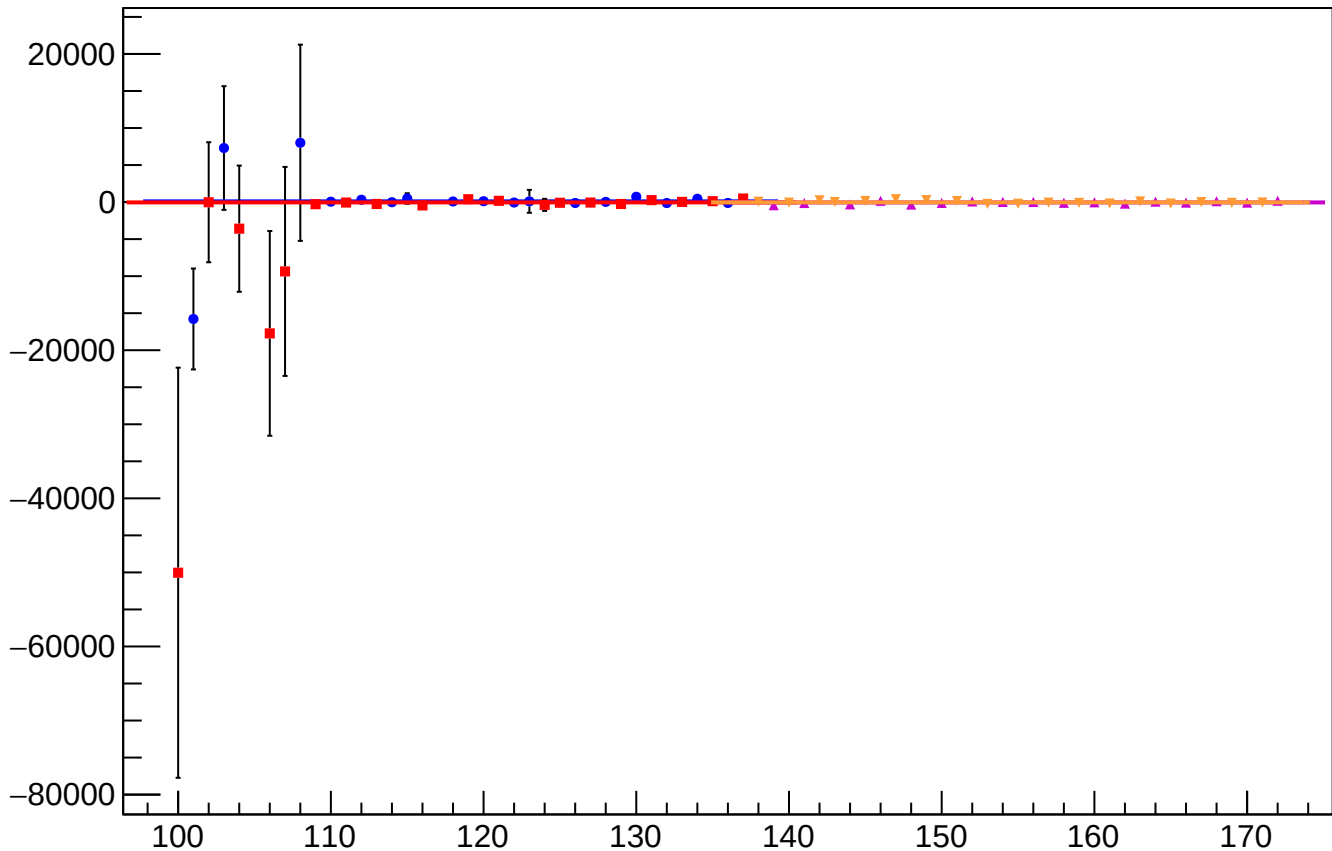
Left In: 363.267+/-0.072 χ^2/NDF : 299177.0/16

+ sign 2.631+/-0.002 χ^2/NDF : 37138373.7/34

All: 2.611+/-0.001 χ^2/NDF : 73941111.0/70

- 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: -37.617+/-63.606 χ^2/NDF : 5.9/17

Right Out: -42.617+/-84.547 χ^2/NDF : 14.0/18

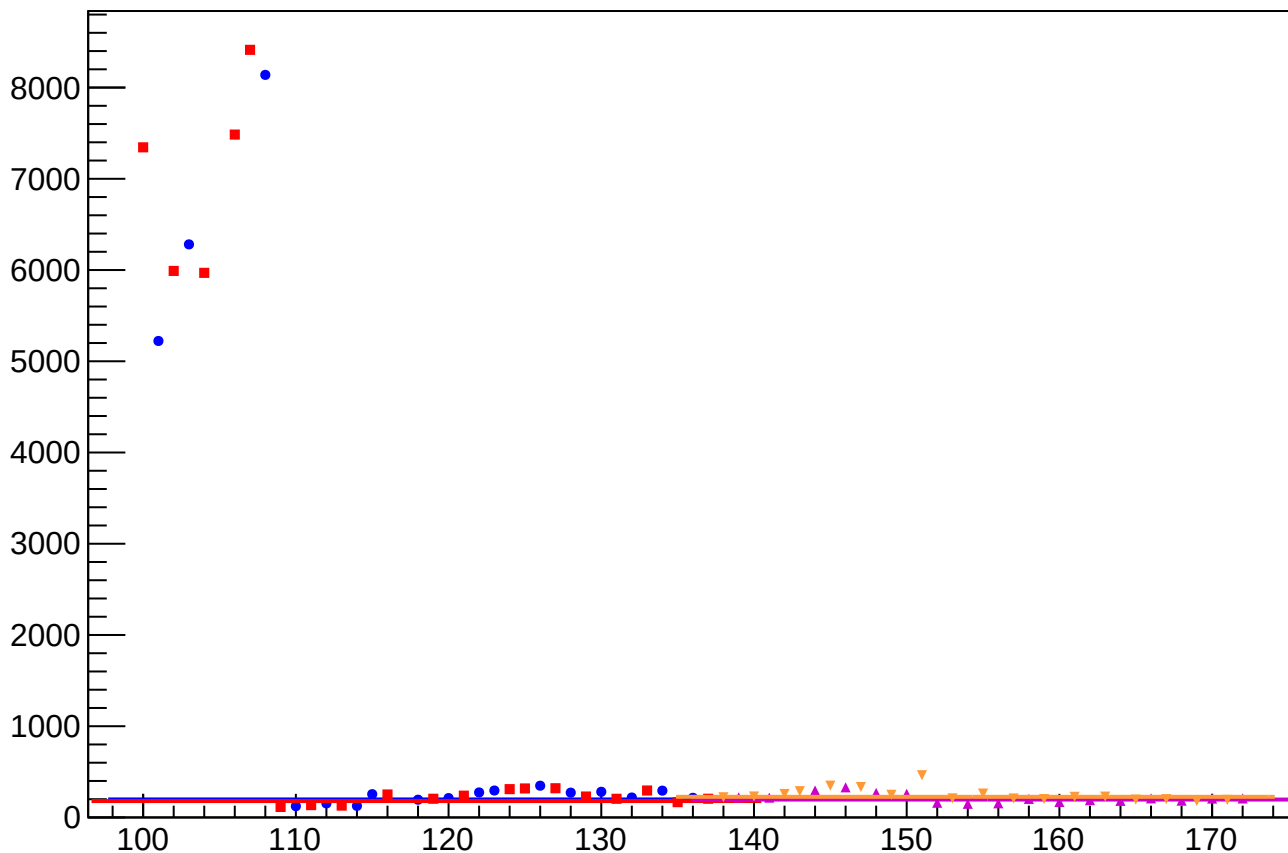
Left In: -45.878+/-56.279 χ^2/NDF : 7.1/16

+ sign 5.572+/-52.265 χ^2/NDF : 19.4/34

All: -22.401+/-34.885 χ^2/NDF : 41.0/70

- 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: 226.171+/-0.045 χ^2/NDF : 1107568.9/17

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

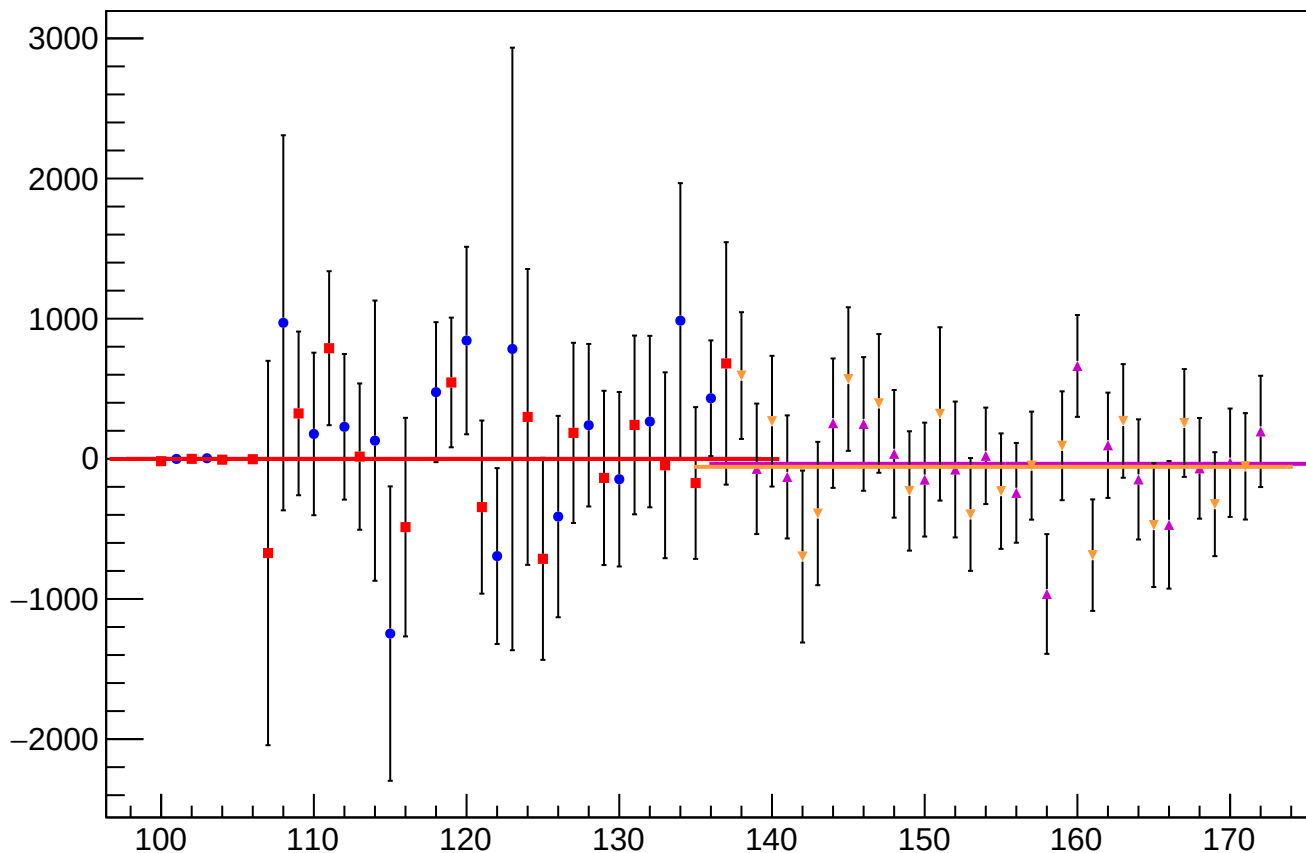
Left In: 196.148+/-0.040 χ^2/NDF : 1081897.9/16

+ sign 216.834+/-0.037 χ^2/NDF : 4936129.2/34

All: 202.611+/-0.025 χ^2/NDF : 10657176.9/70

- 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: -57.161 ± 102.119 χ^2/NDF : 13.2/17

Right Out: -1.324 ± 1.623 χ^2/NDF : 9.5/18

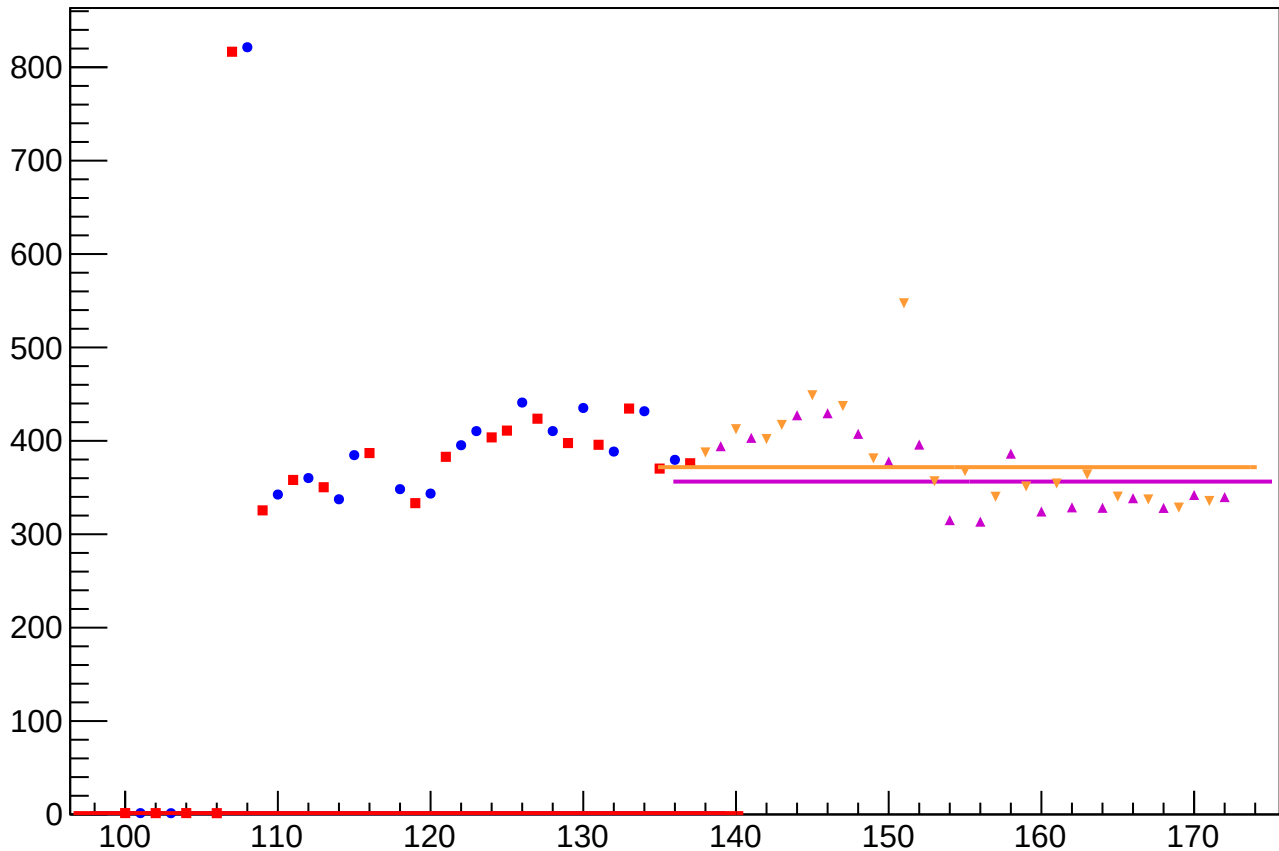
Left In: -35.640 ± 99.247 χ^2/NDF : 11.1/16

+ sign -0.155 ± 1.736 χ^2/NDF : 23.3/34

All: -0.784 ± 1.185 χ^2/NDF : 44.3/70

- sign -1.333 ± 1.622 χ^2/NDF : 20.8/35

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 371.835+/-0.072 χ^2/NDF : 378661.0/17

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

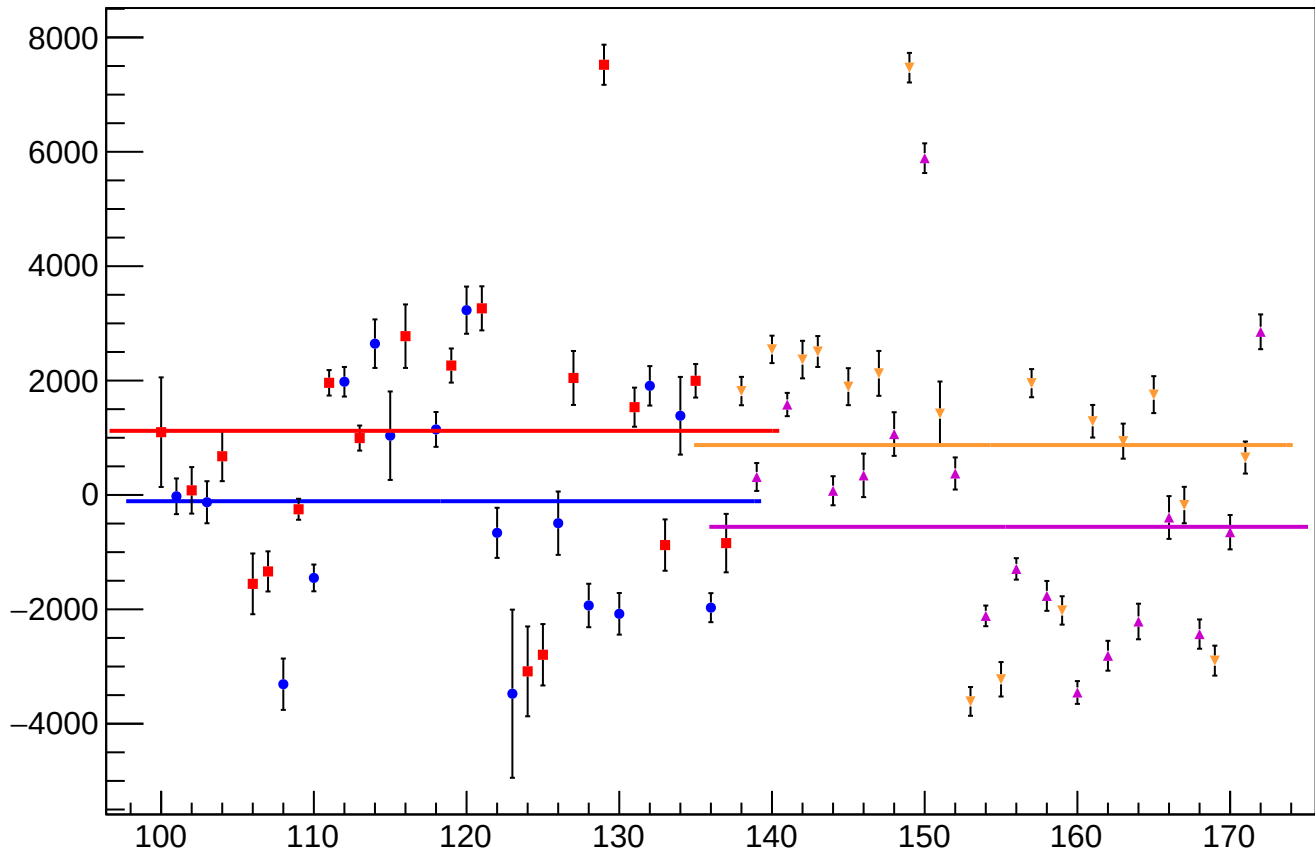
Left In: 356.373+/-0.070 χ^2/NDF : 298491.1/16

+ sign 1.559+/-0.001 χ^2/NDF : 37496617.3/34

All: 1.552+/-0.001 χ^2/NDF : 74239451.8/70

- sign 1.546+/-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: 872.656 ± 67.412 $\chi^2/\text{NDF}: 1677.8/17$

Right Out: 1121.203 ± 78.396 $\chi^2/\text{NDF}: 670.1/18$

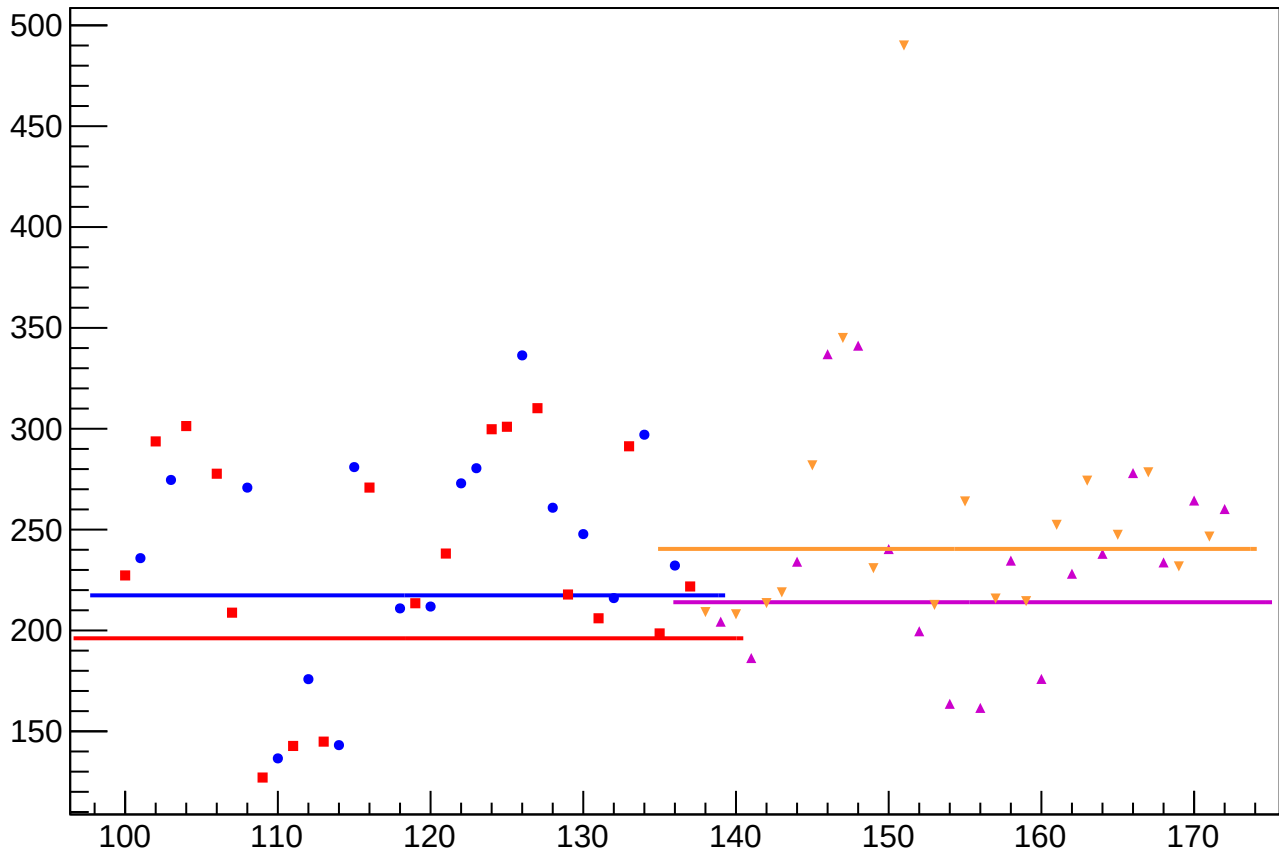
Left In: -557.336 ± 61.318 $\chi^2/\text{NDF}: 1385.5/16$

+ sign 509.347 ± 53.506 $\chi^2/\text{NDF}: 2184.7/34$

All: 272.645 ± 35.852 $\chi^2/\text{NDF}: 4560.2/70$

- sign 79.773 ± 48.299 $\chi^2/\text{NDF}: 2340.0/35$

asym_bcm0l02_rms vs Slug



Right In: 217.403 ± 0.062 χ^2/NDF : 652632.9/16

Left Out: 240.431 ± 0.048 χ^2/NDF : 806791.2/17

Right Out: 196.112 ± 0.055 χ^2/NDF : 1190862.3/18

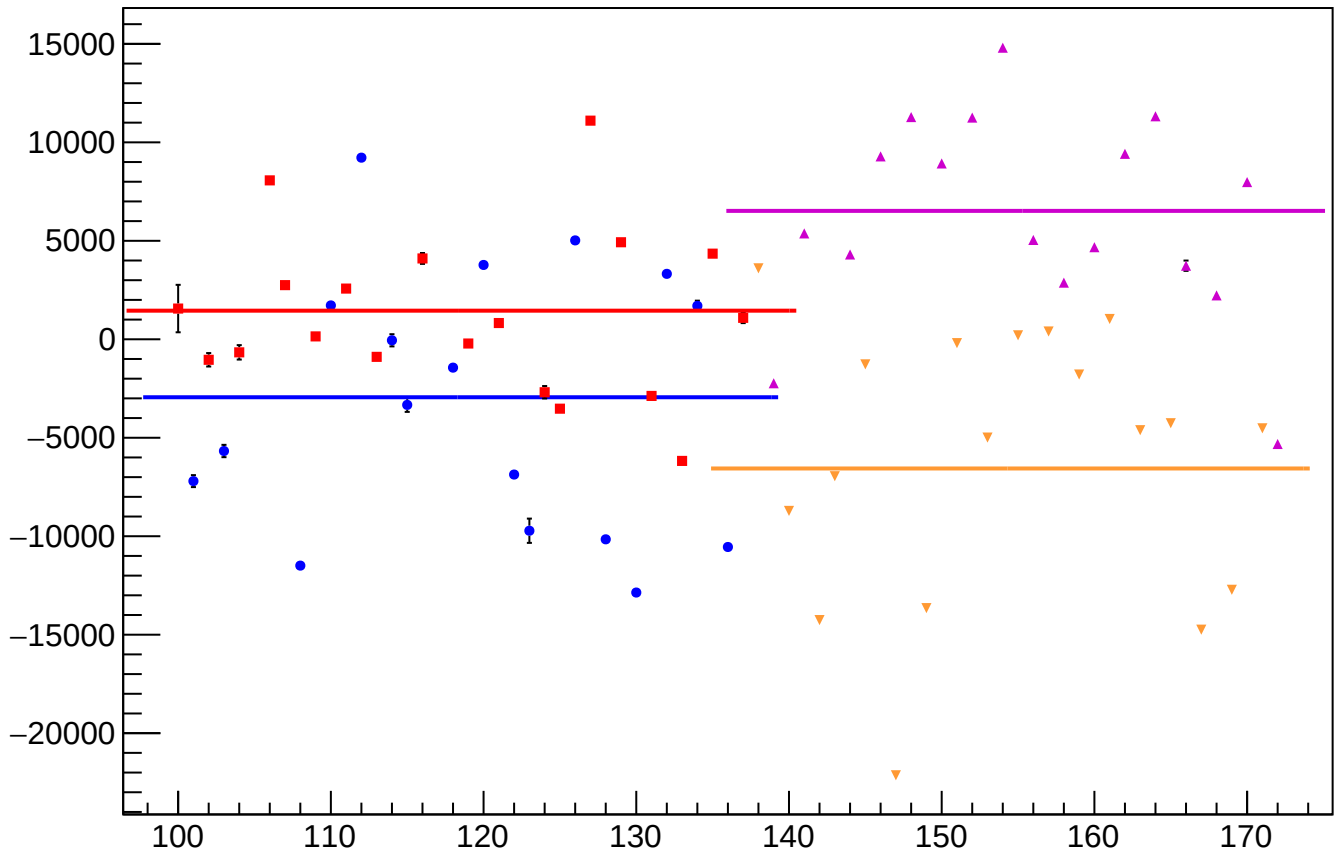
Left In: 214.000 ± 0.043 χ^2/NDF : 1097655.5/16

+ sign 231.910 ± 0.038 χ^2/NDF : 1545779.8/34

All: 218.300 ± 0.025 χ^2/NDF : 4133741.0/70

- sign 207.211 ± 0.034 χ^2/NDF : 2353124.5/35

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -6560.071 ± 38.265 $\chi^2/\text{NDF}: 36467.5/17$

Right Out: 1453.116 ± 46.404 $\chi^2/\text{NDF}: 7996.0/18$

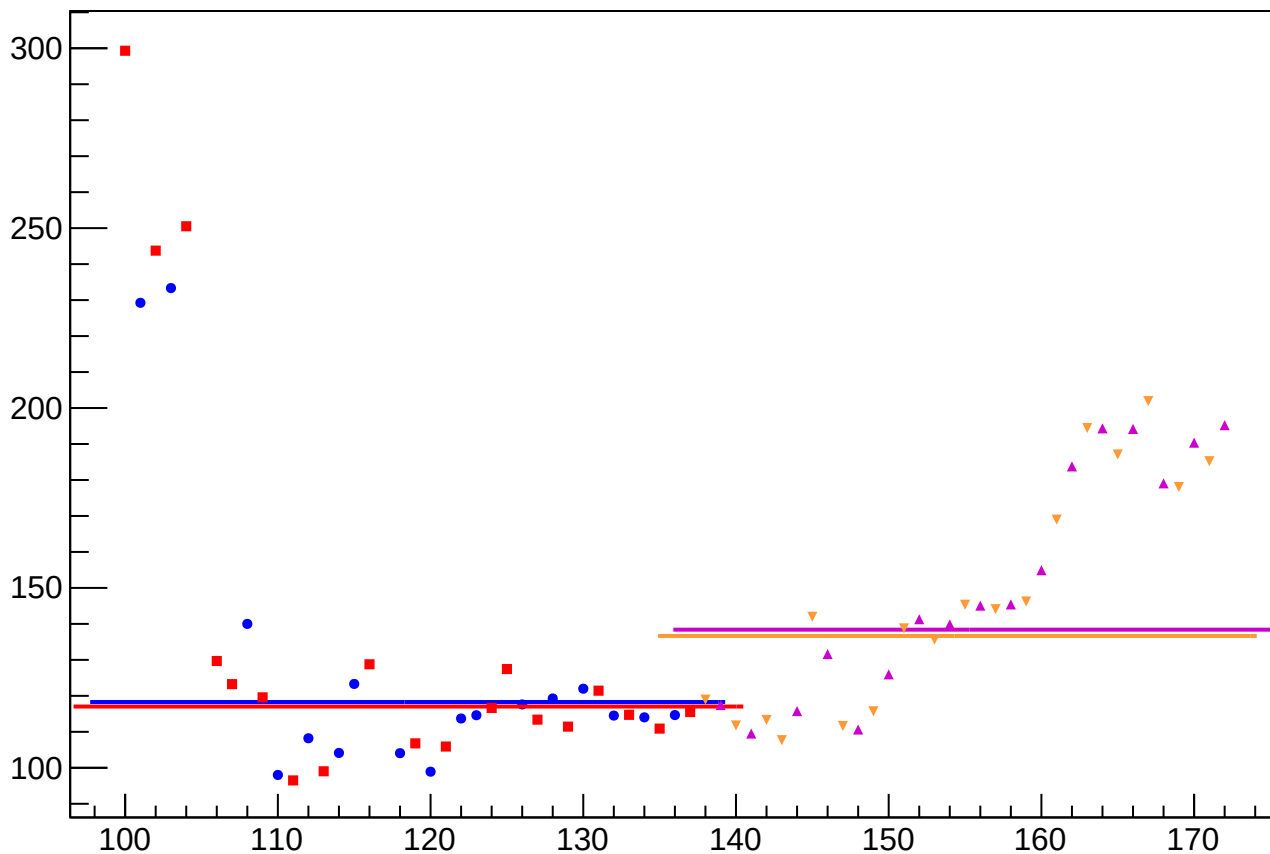
Left In: 6519.768 ± 39.094 $\chi^2/\text{NDF}: 14711.8/16$

+ sign -5176.367 ± 30.067 $\chi^2/\text{NDF}: 60795.5/34$

All: -352.822 ± 21.201 $\chi^2/\text{NDF}: 141658.5/70$

- sign 4416.478 ± 29.898 $\chi^2/\text{NDF}: 29680.5/35$

asym_bpm2i01WS_rms vs Slug



Right In: 118.286 $\pm$ 0.034 χ^2 /NDF: 636918.0/16

Left Out: 136.644 $\pm$ 0.027 χ^2 /NDF: 1016162.1/17

Right Out: 117.031 $\pm$ 0.033 χ^2 /NDF: 690861.5/18

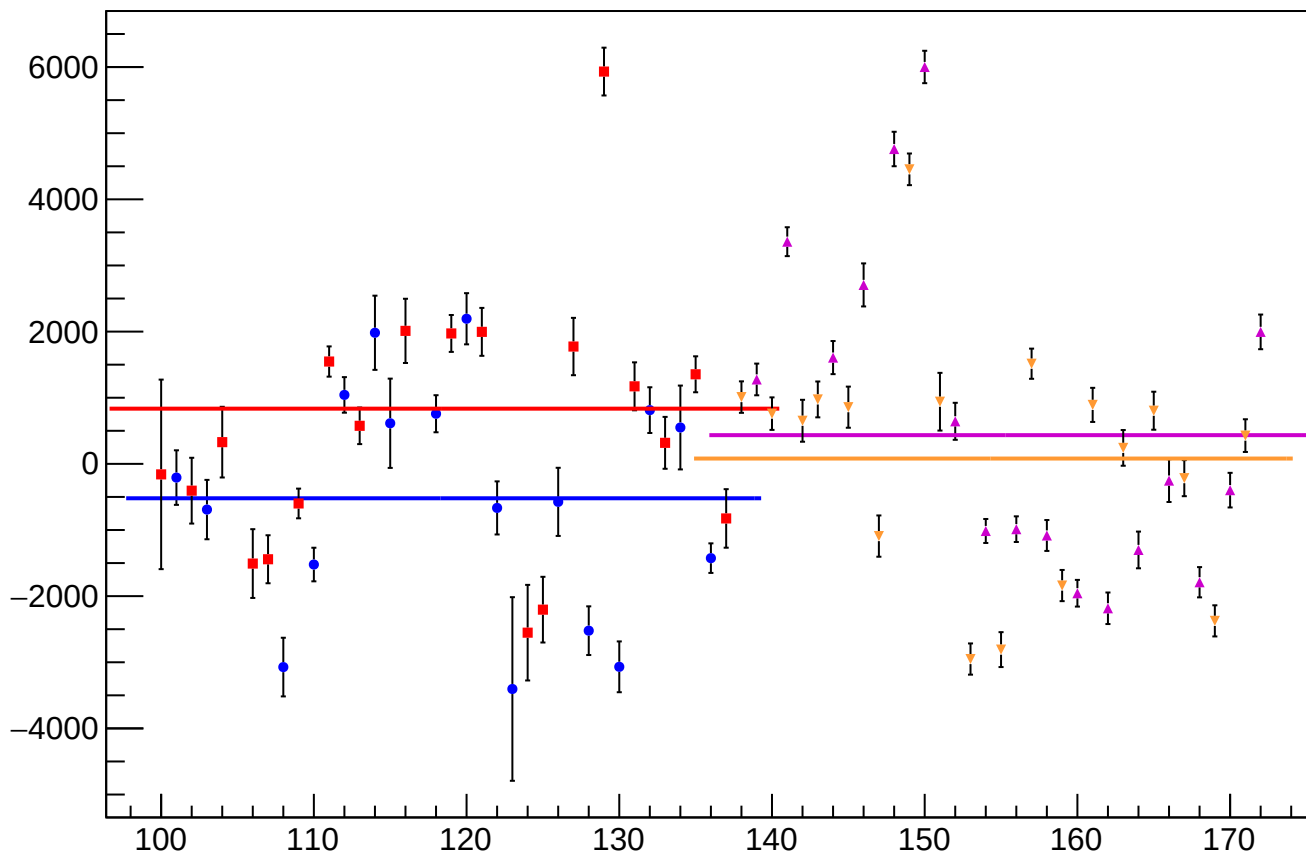
Left In: 138.396 $\pm$ 0.028 χ^2 /NDF: 973018.7/16

+ sign 129.621 $\pm$ 0.021 χ^2 /NDF: 1829202.4/34

All: 129.574 $\pm$ 0.015 χ^2 /NDF: 3741041.3/70

- sign 129.527 $\pm$ 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: 80.520 ± 62.102 χ^2/NDF : 914.3/17

Right Out: 834.834 ± 82.273 χ^2/NDF : 434.7/18

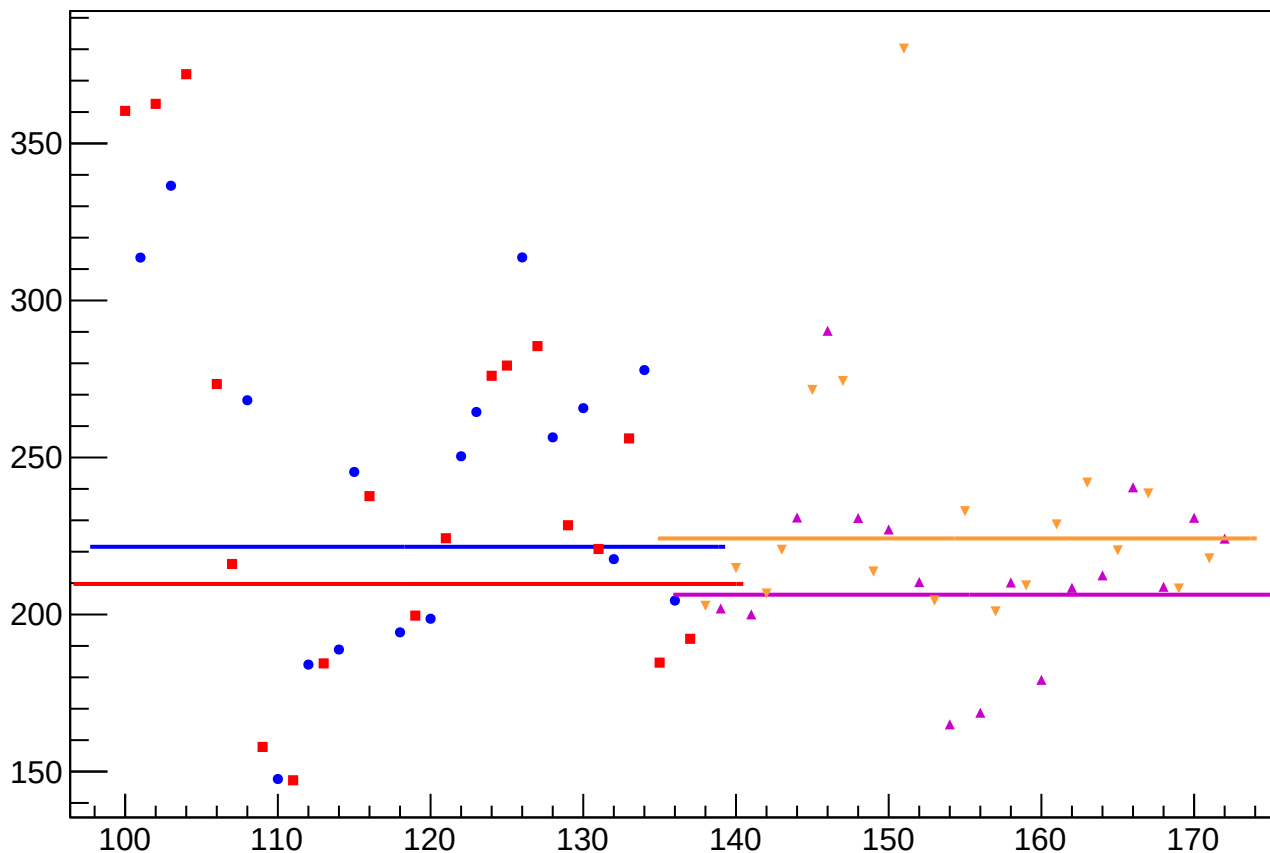
Left In: 434.211 ± 58.109 χ^2/NDF : 1659.3/16

+ sign -115.497 ± 50.974 χ^2/NDF : 1232.9/34

All: 250.351 ± 34.737 χ^2/NDF : 3439.0/70

- 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: 224.232 $\pm$ 0.044 χ^2 /NDF: 453561.1/17

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

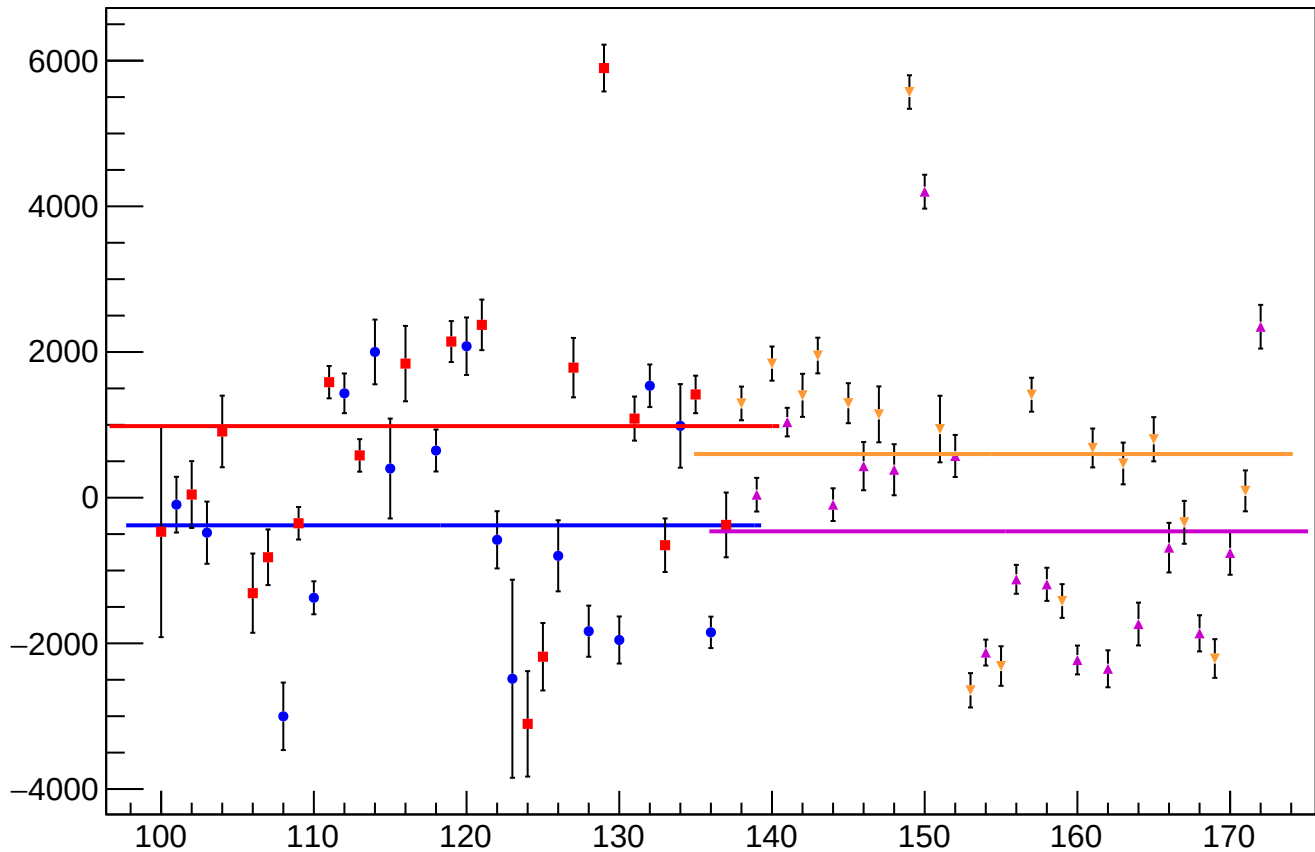
Left In: 206.313 $\pm$ 0.041 χ^2 /NDF: 453185.0/16

+ sign 223.363 $\pm$ 0.036 χ^2 /NDF: 1099701.4/34

All: 214.841 $\pm$ 0.025 χ^2 /NDF: 2543491.7/70

- 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: 599.109 ± 62.897 χ^2/NDF : 1067.8/17

Right Out: 982.539 ± 77.724 χ^2/NDF : 476.3/18

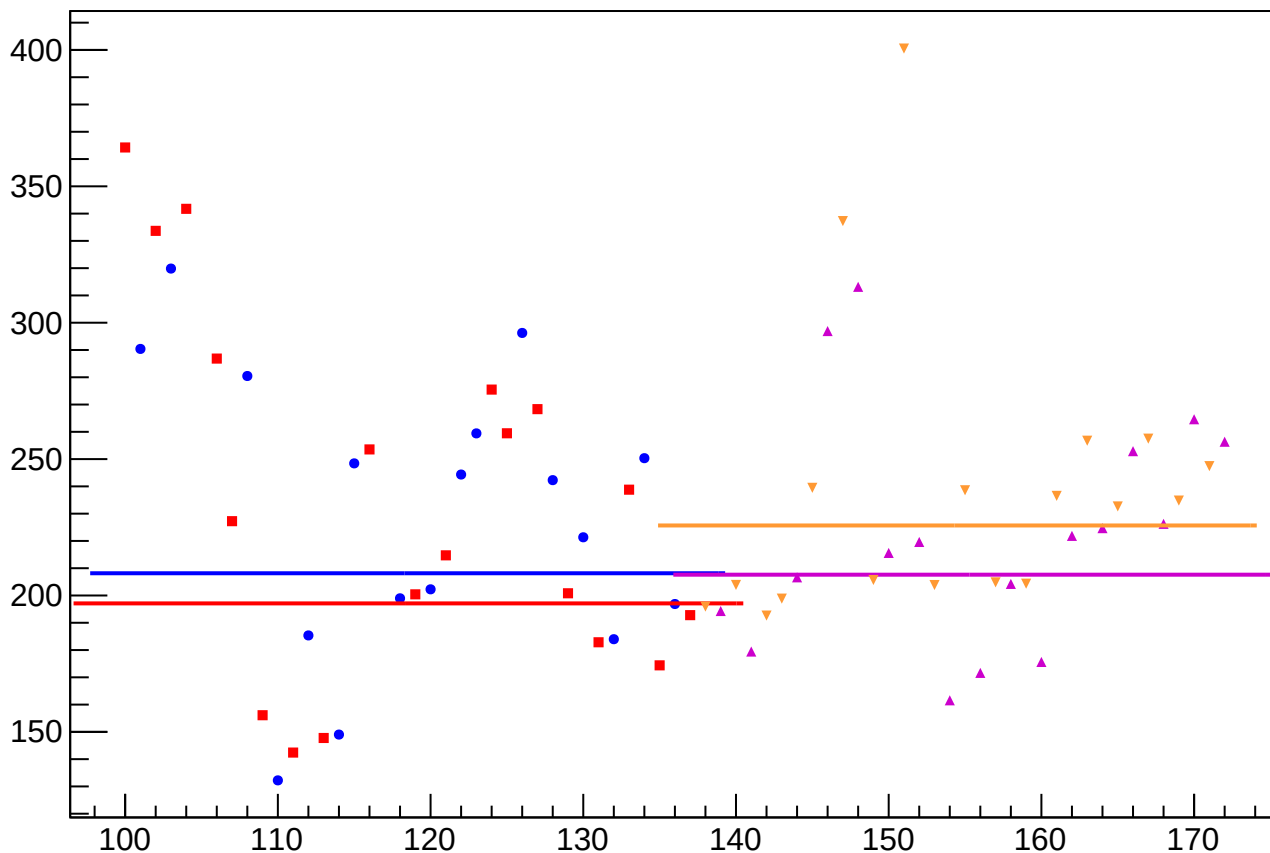
Left In: -462.136 ± 58.886 χ^2/NDF : 877.0/16

+ sign 248.882 ± 50.403 χ^2/NDF : 1471.6/34

All: 150.241 ± 34.349 χ^2/NDF : 3051.5/70

- sign 64.701 ± 46.937 χ^2/NDF : 1572.8/35

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 225.671+/-0.044 χ^2/NDF : 701580.1/17

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

Left In: 207.625+/-0.042 χ^2/NDF : 817869.9/16

+ sign 219.402+/-0.036 χ^2/NDF : 1456193.3/34

All: 211.039+/-0.024 χ^2/NDF : 3326612.6/70

- sign 203.788+/-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+/-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

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

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

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

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

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

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

bcm_dg_us_dg_ds_dd_rms vs Slug



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

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

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

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

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

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

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

bcm_dg_us_ds_dd_mean vs Slug



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

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

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

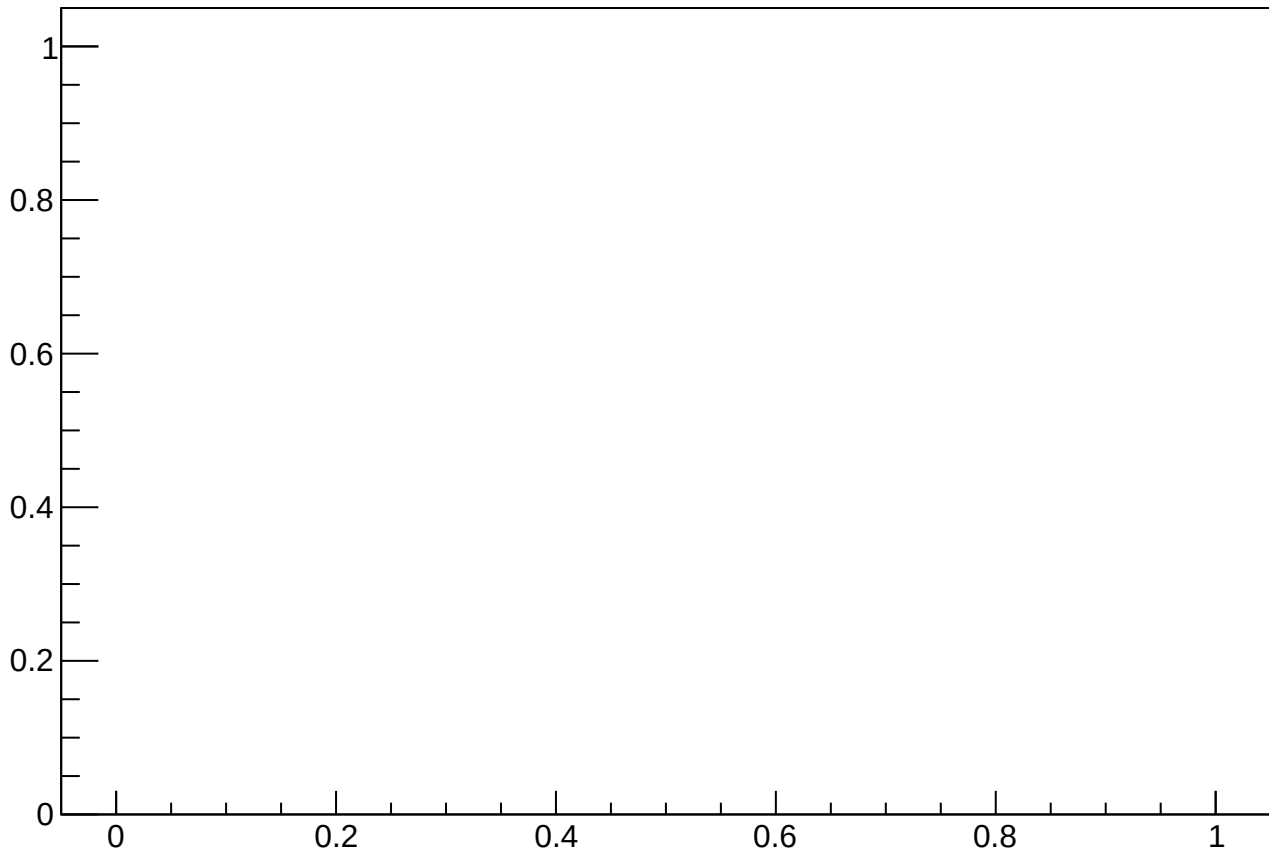
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_ds_dd_rms vs Slug



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

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

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

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

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

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

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

bcm_dg_ds_ds_dd_mean vs Slug



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

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

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

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

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

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

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

bcm_dg_ds_ds_dd_rms vs Slug



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

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

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

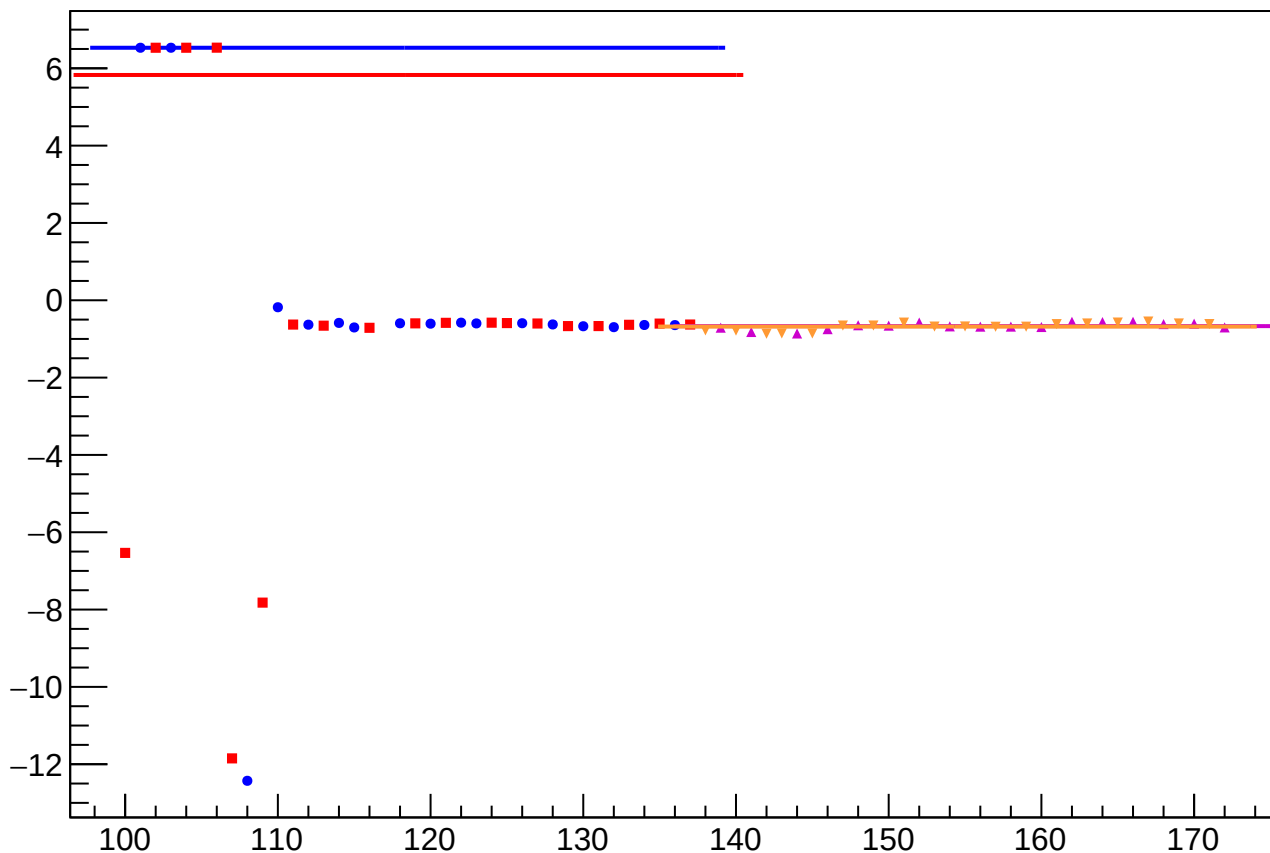
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.680 $\pm$ 0.000 χ^2/NDF : 127411928.9/17

Right Out: 5.827 $\pm$ 0.000 χ^2/NDF : 755963218053643.4/18

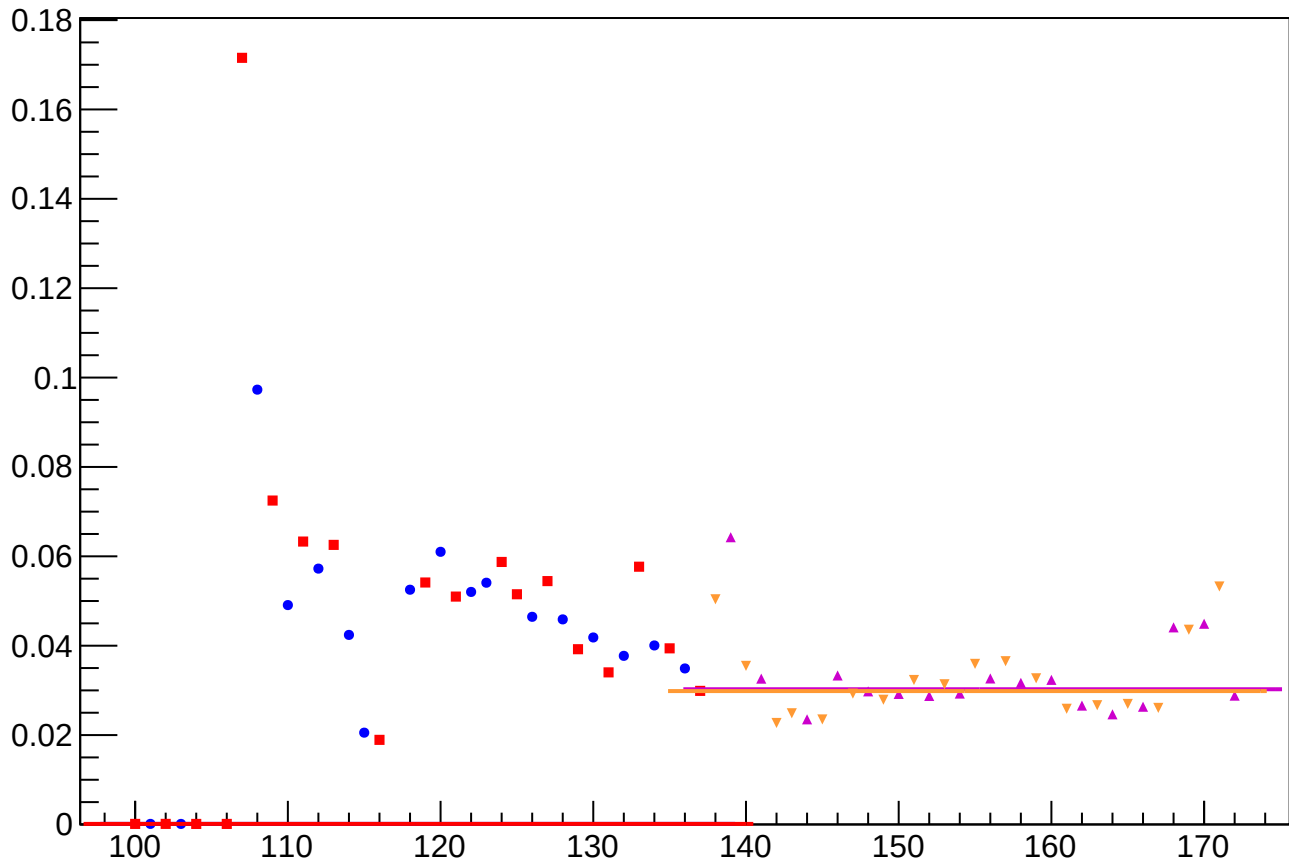
Left In: -0.668 $\pm$ 0.000 χ^2/NDF : 97149312.9/16

+ sign 6.530 $\pm$ 0.000 χ^2/NDF : 744390998755.8/34

All: 6.154 $\pm$ 0.000 χ^2/NDF : 77717588069983

- sign 5.827 $\pm$ 0.000 χ^2/NDF : 756440820845606.0/34

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 :1000943.2/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

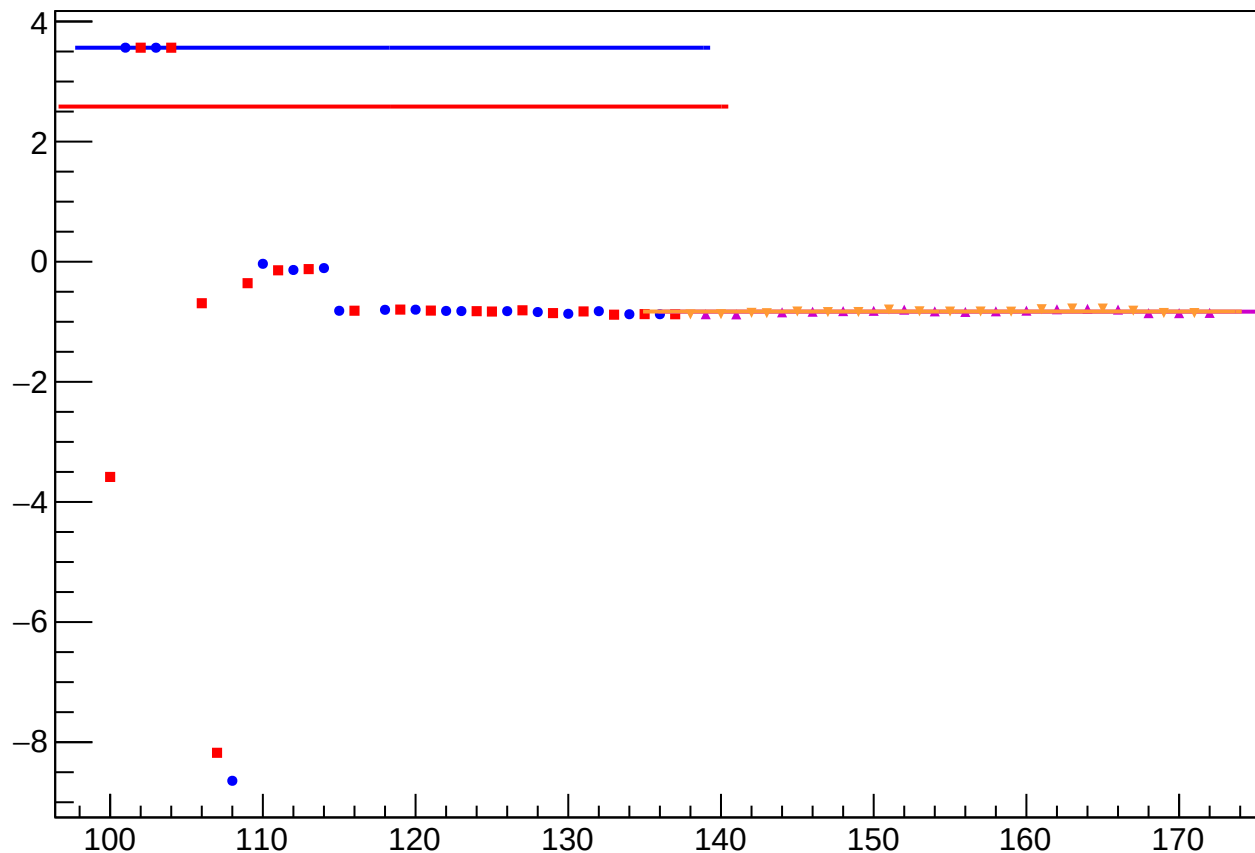
Left In: 0.030+/-0.000 χ^2/NDF :908073.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 30850218.0/34

All: 0.000+/-0.000 χ^2/NDF : 61657918.7/70

- 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: -0.829+/-0.000 χ^2/NDF : 140304841.4/17

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

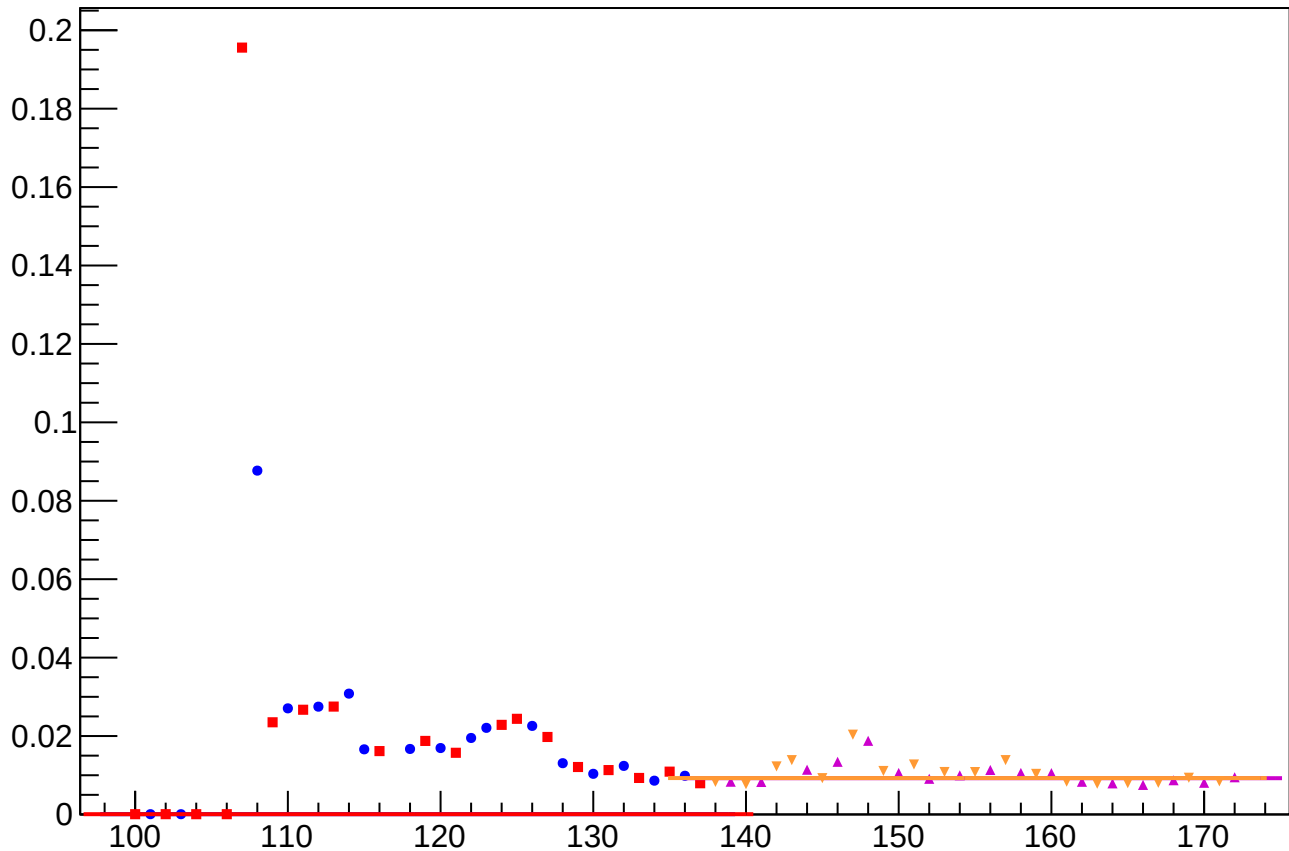
Left In: -0.831+/-0.000 χ^2/NDF : 120934805.9/16

+ sign 3.561+/-0.000 χ^2/NDF : 2912460288854.7/34

All: 3.039+/-0.000 χ^2/NDF : 13860281840777

- sign 2.582+/-0.000 χ^2/NDF : 1254970008454024.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :1077871.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

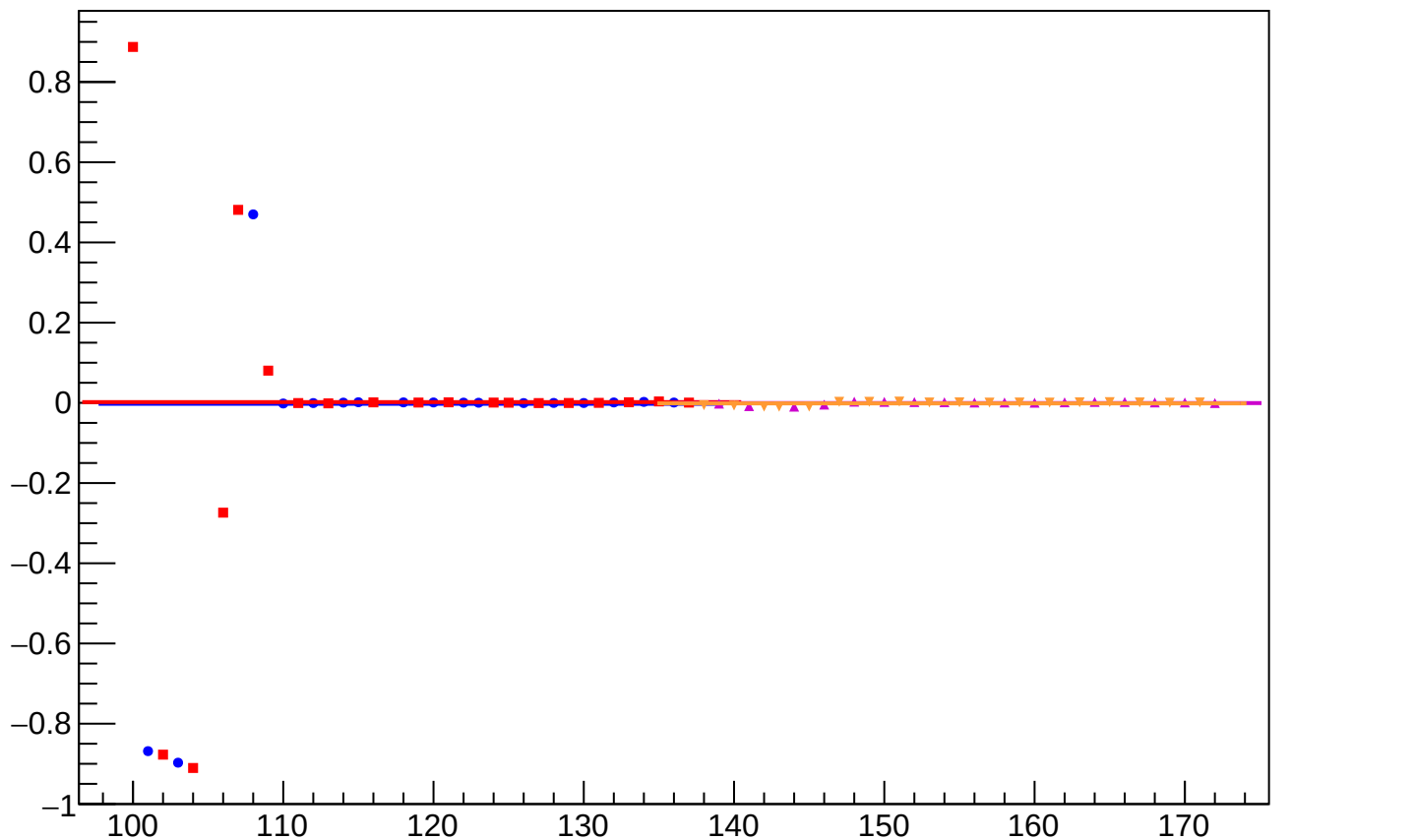
Left In: 0.009+/-0.000 χ^2/NDF :791021.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 32182564.9/34

All: 0.000+/-0.000 χ^2/NDF : 64050194.2/70

- 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 : 94829285.7/17

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

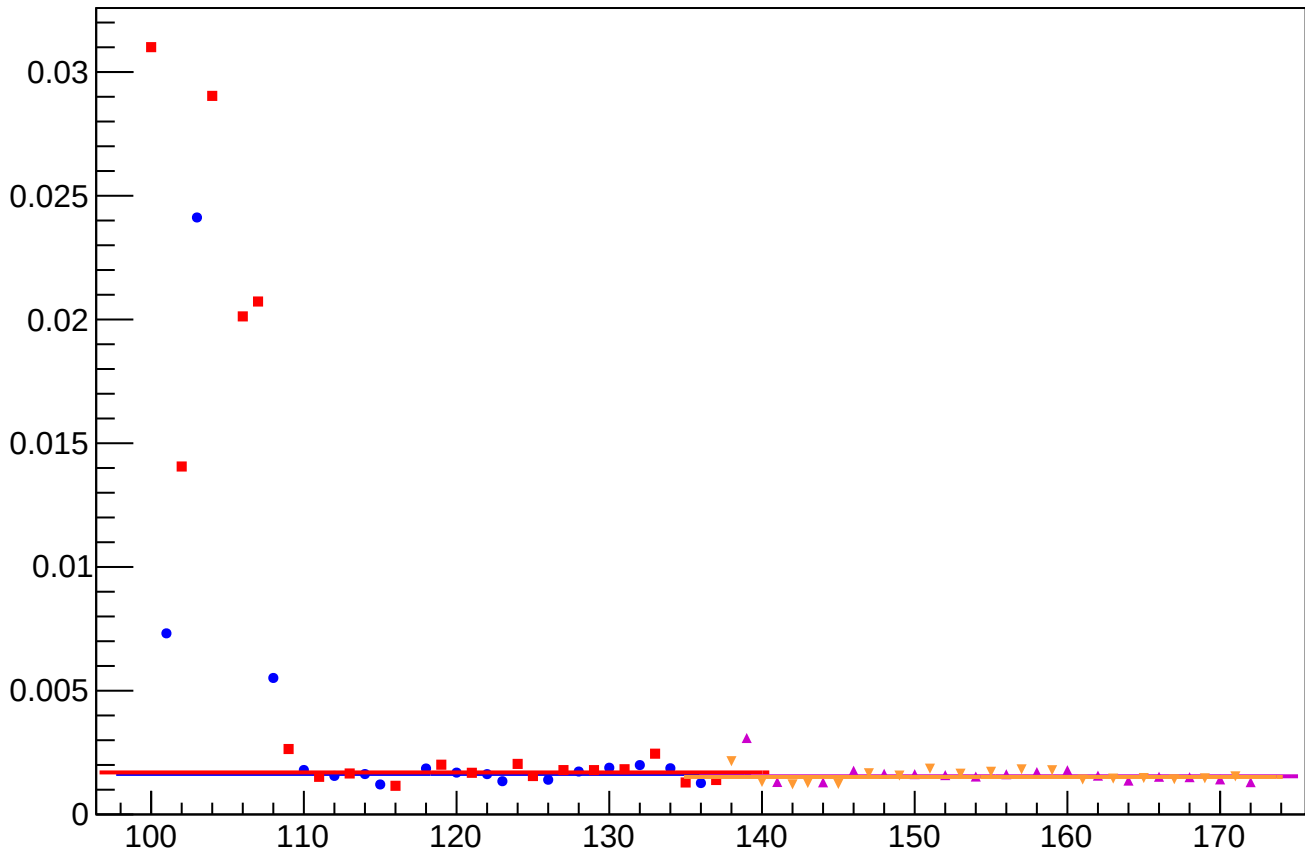
Left In: -0.001+/-0.000 χ^2/NDF : 67349884.7/16

+ sign -0.002+/-0.000 χ^2/NDF : 9890893210.0/34

All: -0.001+/-0.000 χ^2/NDF : 13014955660.0/35

- 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: 429212.8/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

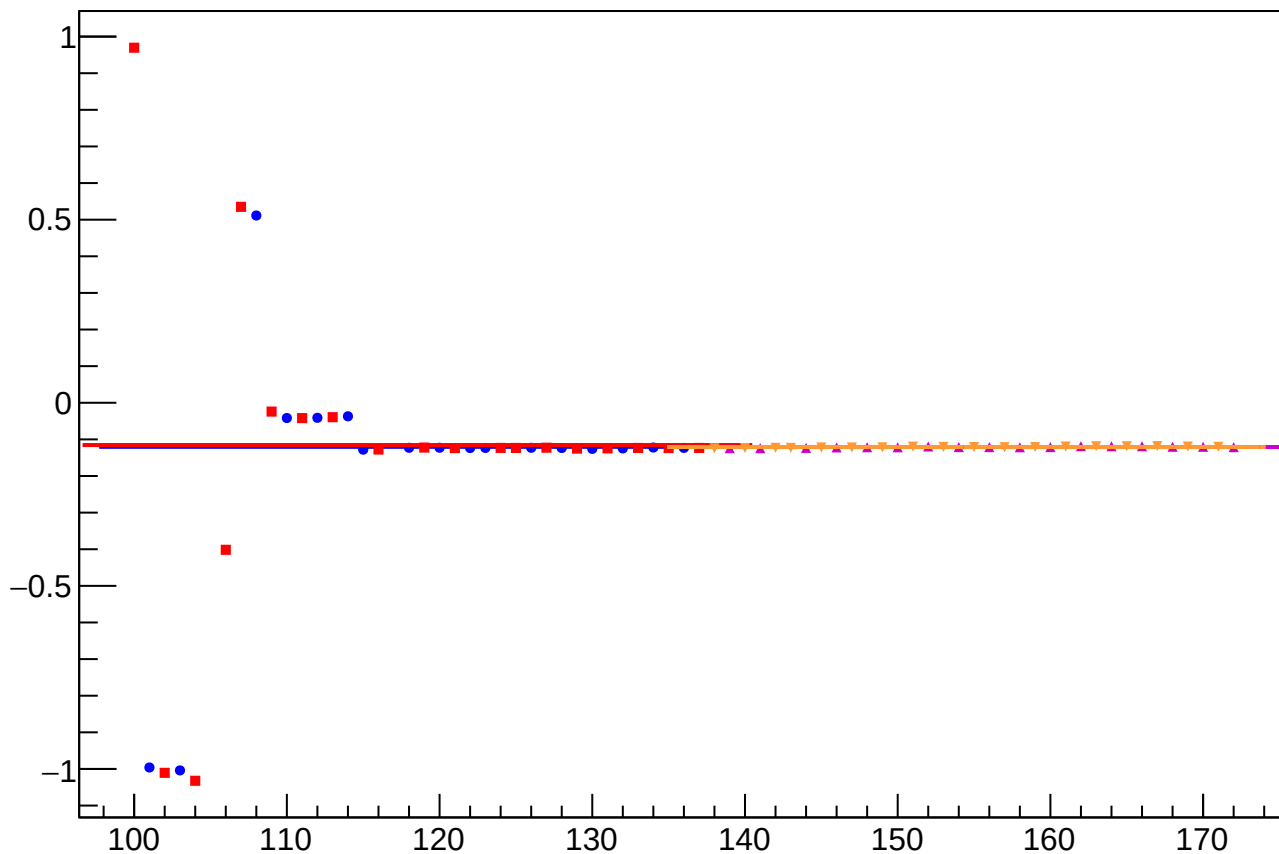
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 578651.1/16

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2382476.7/34

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6047974.1/70

- 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 : 32229205.6/17

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

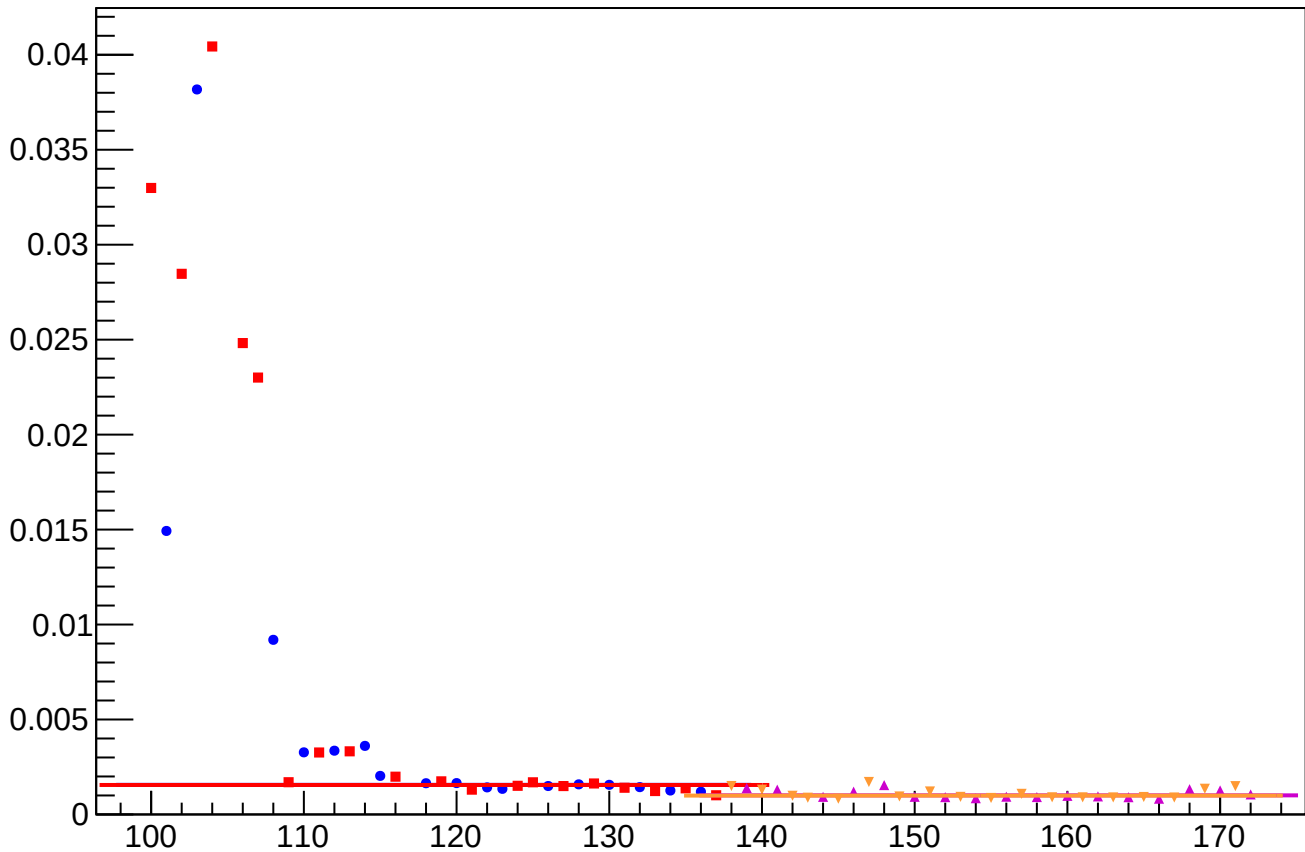
Left In: -0.121+/-0.000 χ^2/NDF : 28694271.4/16

+ sign -0.121+/-0.000 χ^2/NDF : 3964781658.5/34

All: -0.120+/-0.000 χ^2/NDF : 6501591586.8/7

- sign -0.120+/-0.000 χ^2/NDF : 2533947924.8/35

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1012160.7/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

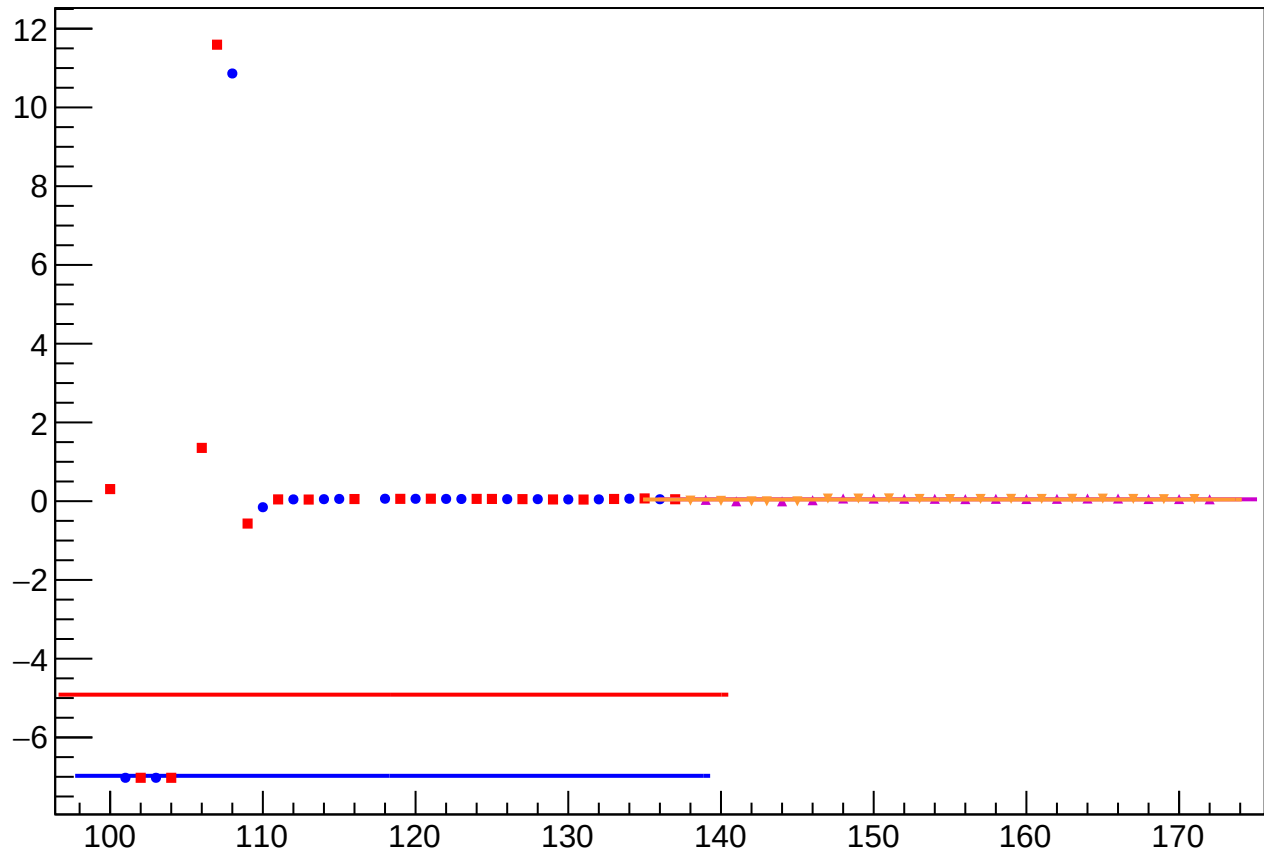
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:734840.7/16

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4948861.7/34

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10202416.0/70

- sign 0.001 $\pm$ 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: 95871841.3/17

Right Out: -4.914+/-0.000 χ^2 /NDF: 365358092730279.9/18

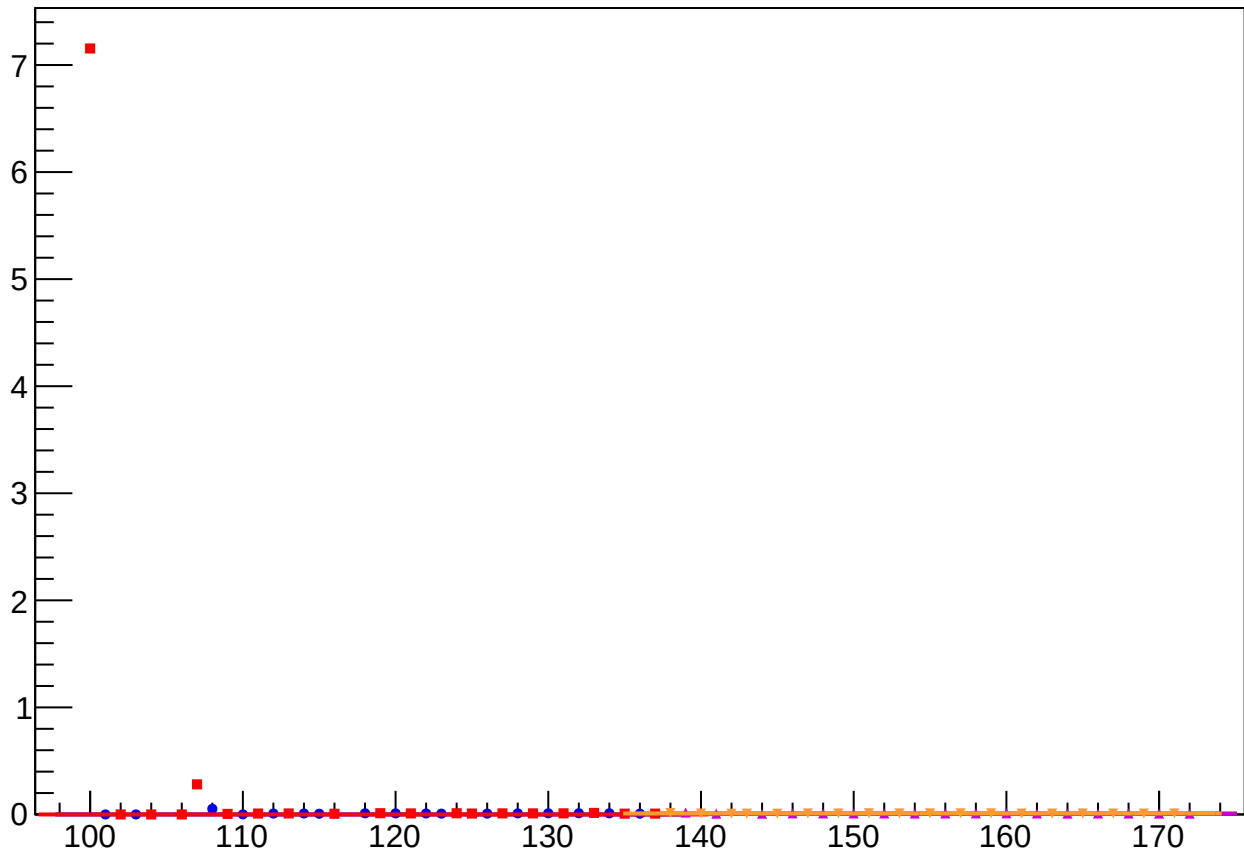
Left In: 0.047+/-0.000 χ^2 /NDF: 74641184.5/16

+ sign -6.938+/-0.000 χ^2 /NDF: 15370837469995.1/17

All: -5.870+/-0.000 χ^2 /NDF: 4395767873983

- sign -4.891+/-0.000 χ^2 /NDF: 368504344032096.0

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 : 422695.4/17

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

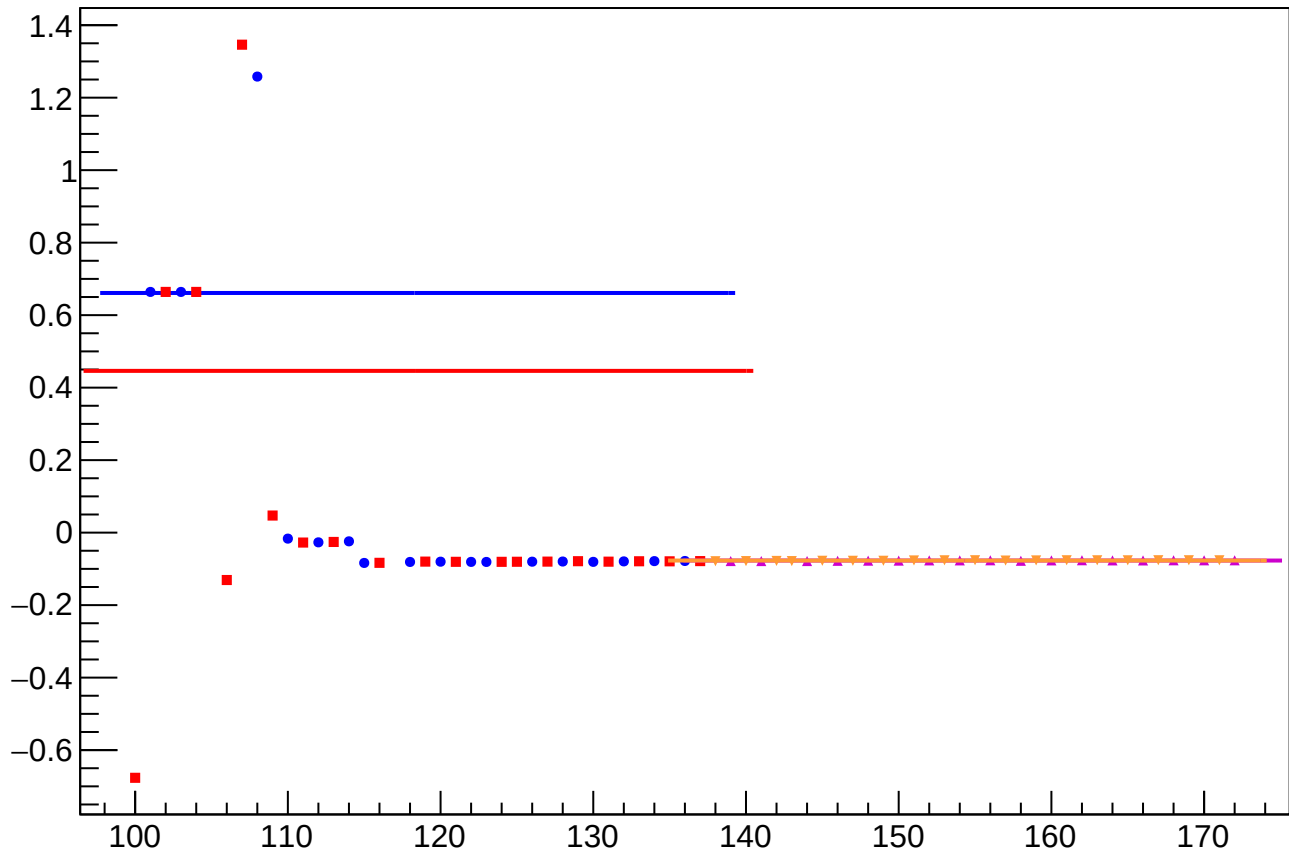
Left In: 0.009+/-0.000 χ^2/NDF : 579655.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 29324709.9/34

All: 0.000+/-0.000 χ^2/NDF : 59009468.1/70

- 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 : 33554186.4/17

Right Out: 0.446+/-0.000 χ^2/NDF : 405416924315199.0/18

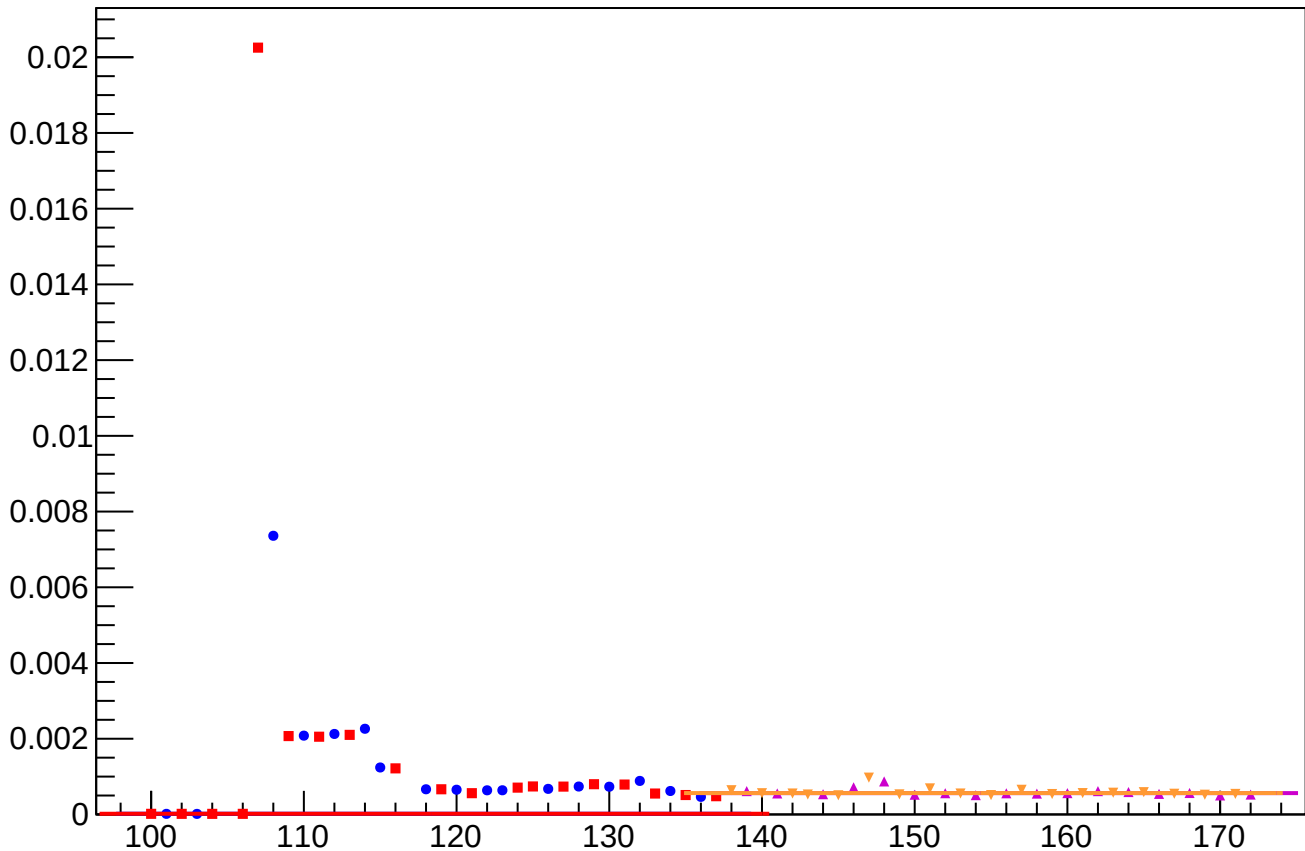
Left In: -0.077+/-0.000 χ^2/NDF : 24709525.9/16

+ sign 0.650+/-0.000 χ^2/NDF : 27131564300981.4/3

All: 0.540+/-0.000 χ^2/NDF : 50474457603435

- 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 : 426206.6/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

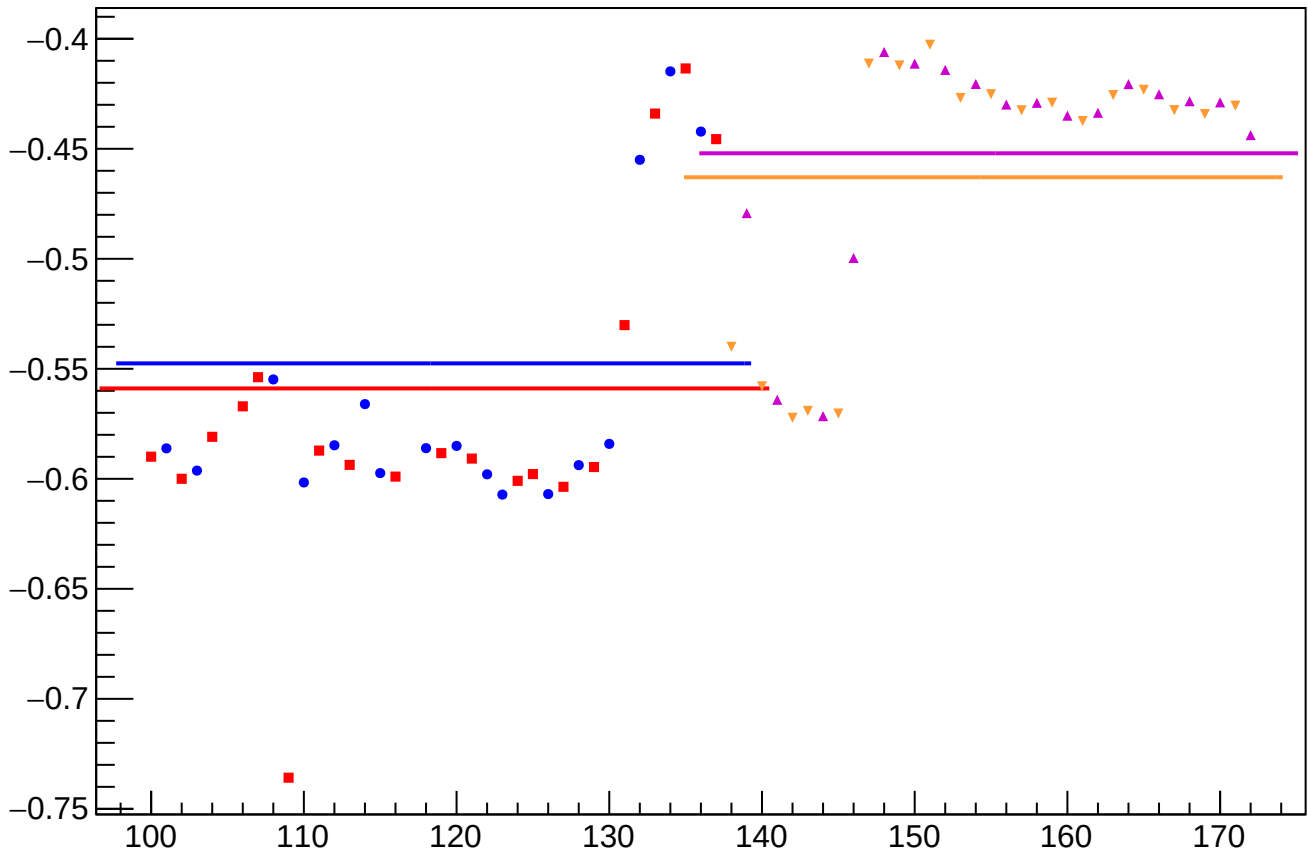
Left In: 0.001+/-0.000 χ^2/NDF : 351534.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 33877054.2/34

All: 0.000+/-0.000 χ^2/NDF : 66991040.4/70

- 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: -0.463+/-0.000 χ^2/NDF : 105966967.5/17

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

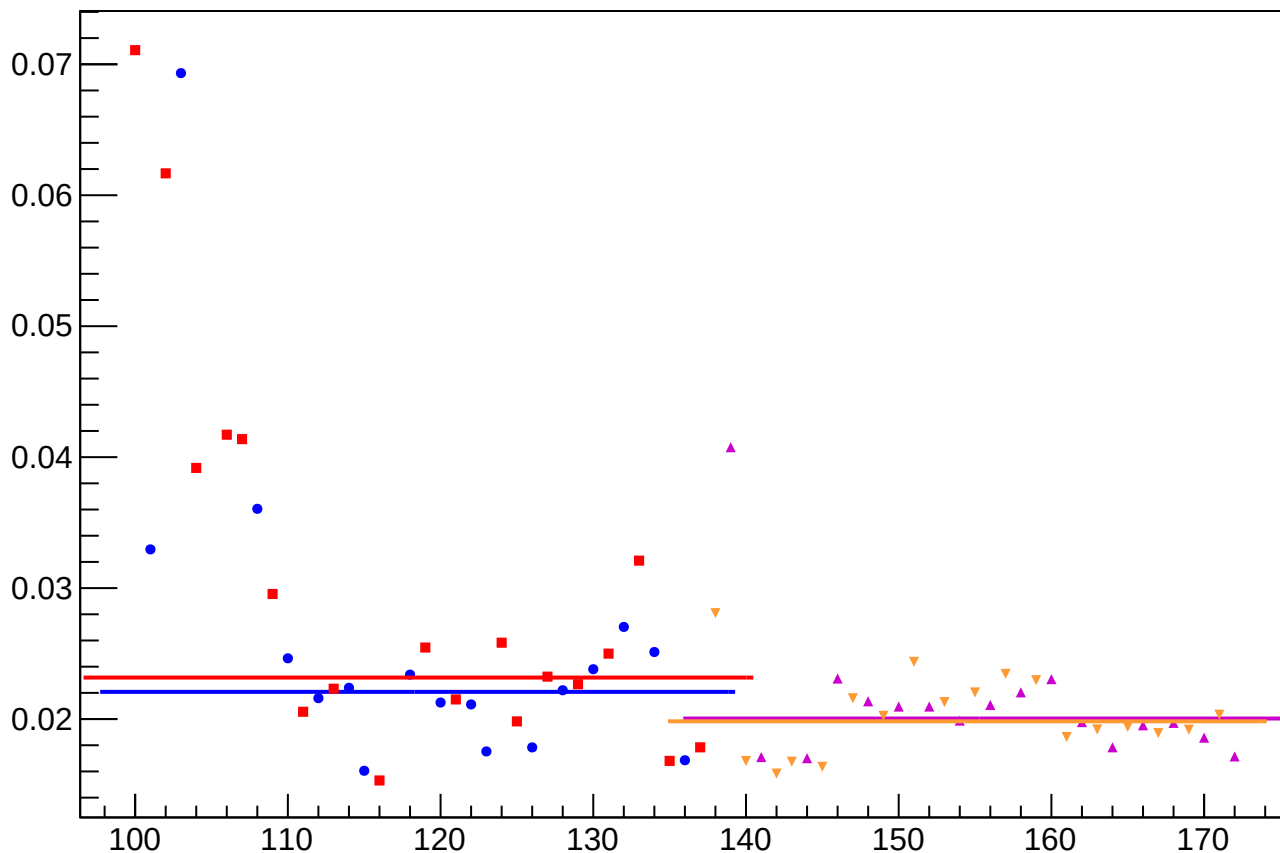
Left In: -0.452+/-0.000 χ^2/NDF : 75248873.0/16

+ sign -0.486+/-0.000 χ^2/NDF : 208272983.6/34

All: -0.484+/-0.000 χ^2/NDF : 431543278.9/70

- 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:398833.3/17

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156758.3/18

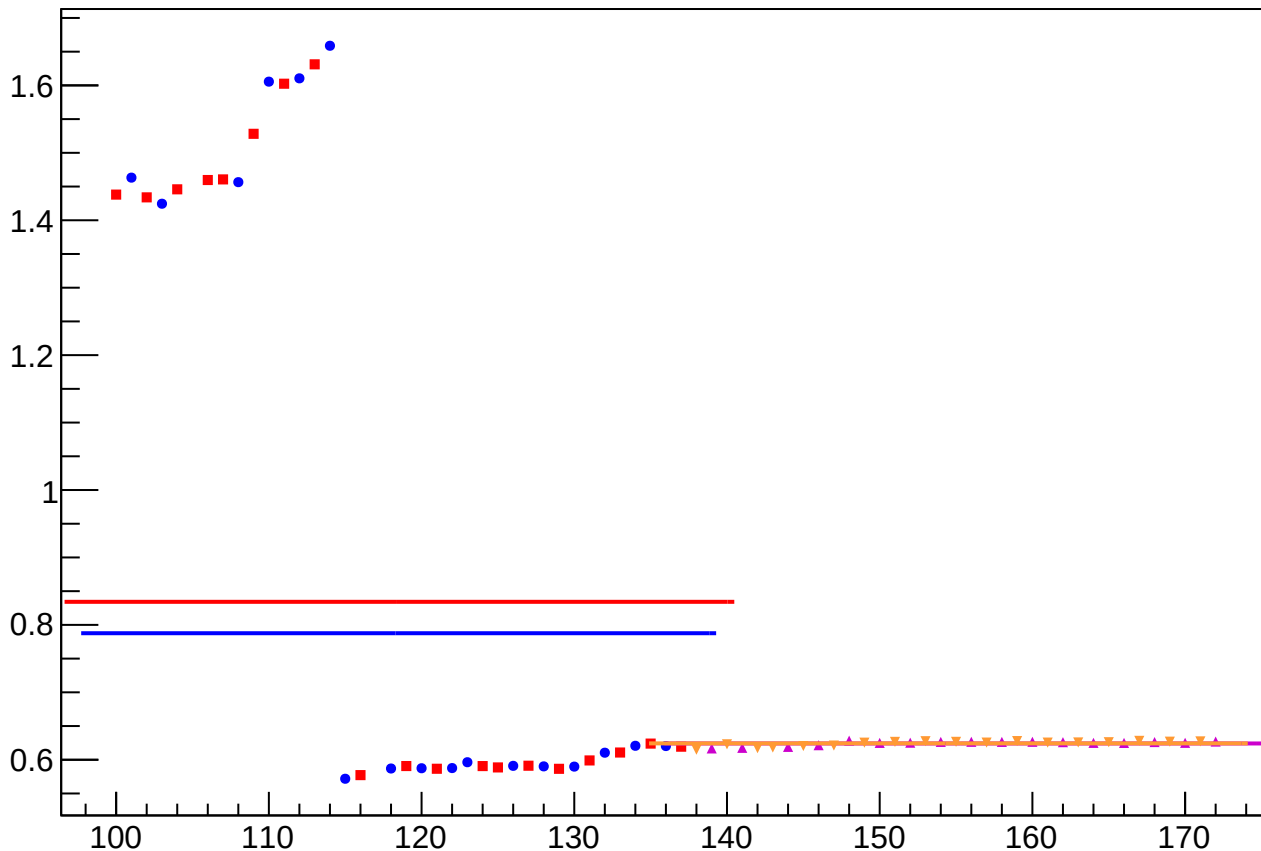
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:572421.8/16

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1429575.0/34

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3307245.6/70

- 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:1230481.8/17

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

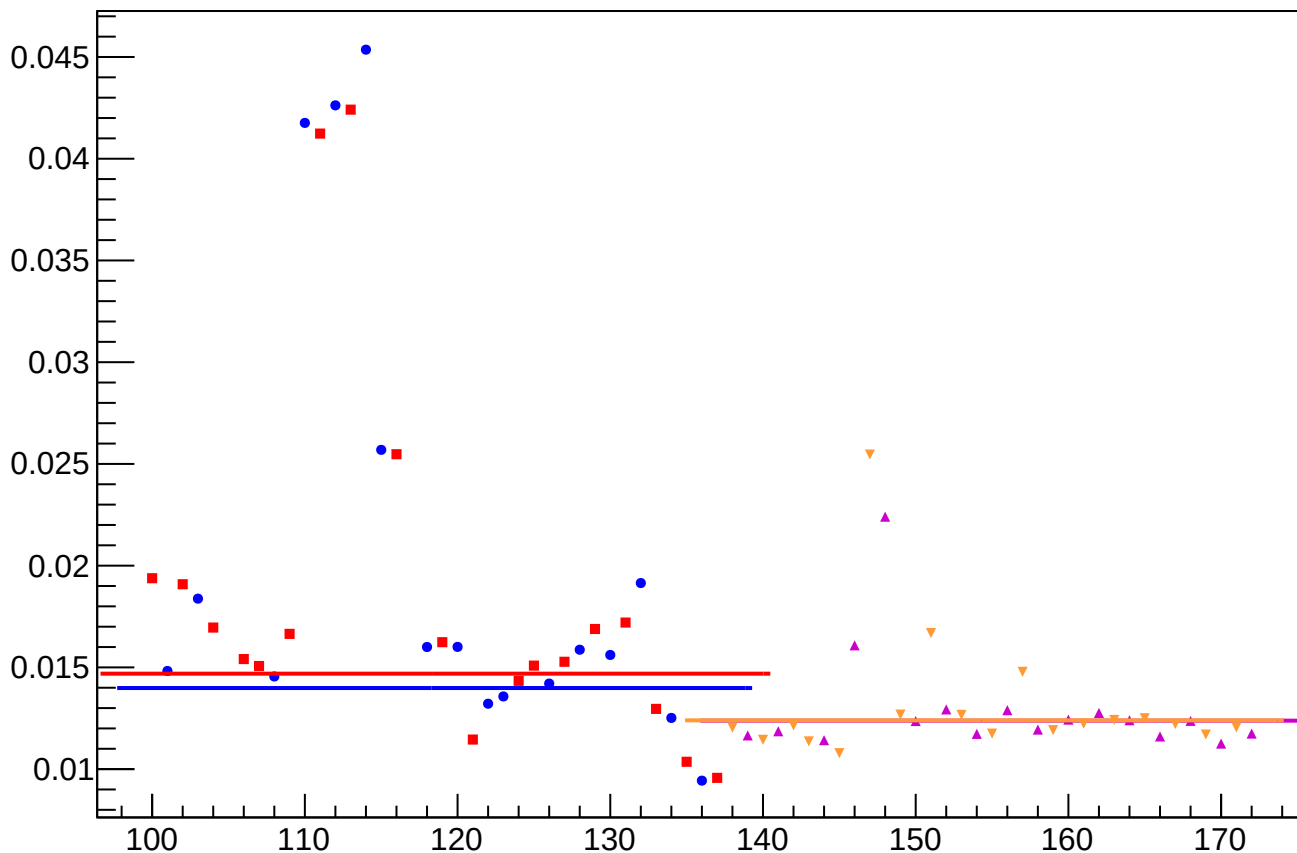
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:959280.6/16

+ sign 0.666 $\pm$ 0.000 χ^2 /NDF: 4152745655.8/34

All: 0.672 $\pm$ 0.000 χ^2 /NDF: 9231086807.5/70

- 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:596872.4/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1258511.3/18

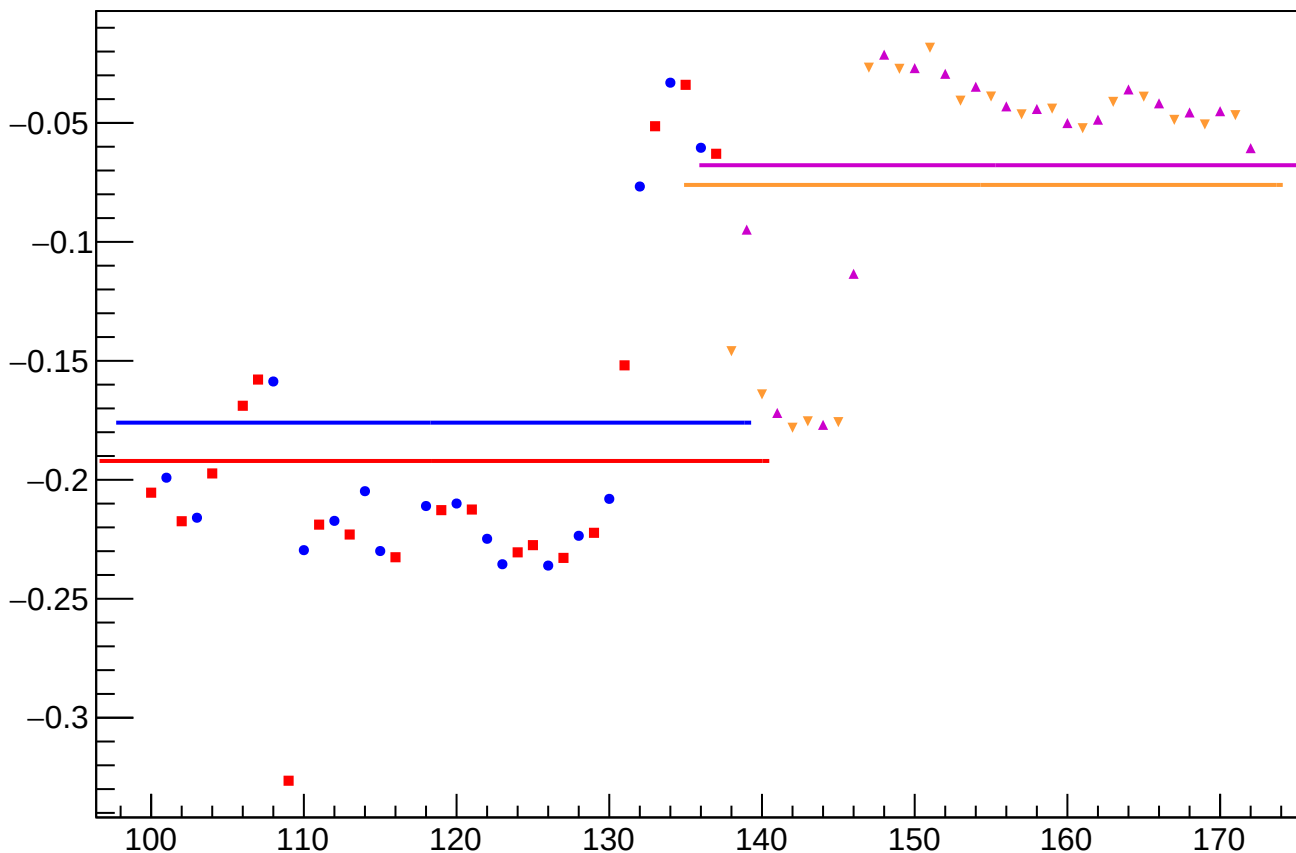
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:440410.6/16

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2103182.3/34

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4027079.0/70

- 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: -0.076+/-0.000 χ^2/NDF : 100967154.5/17

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

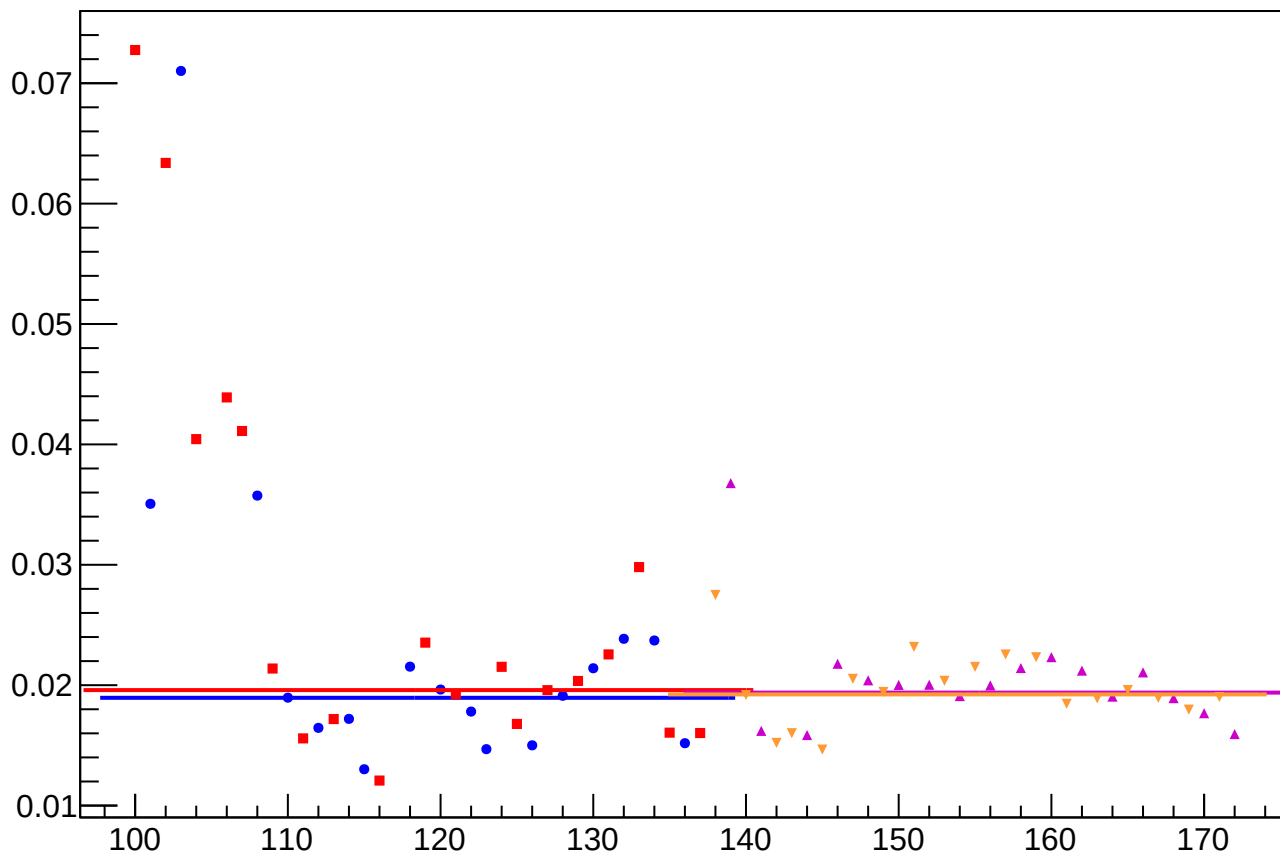
Left In: -0.068+/-0.000 χ^2/NDF : 75613898.8/16

+ sign -0.108+/-0.000 χ^2/NDF : 264834960.2/34

All: -0.108+/-0.000 χ^2/NDF : 565149394.7/70

- 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 : 425518.1/17

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

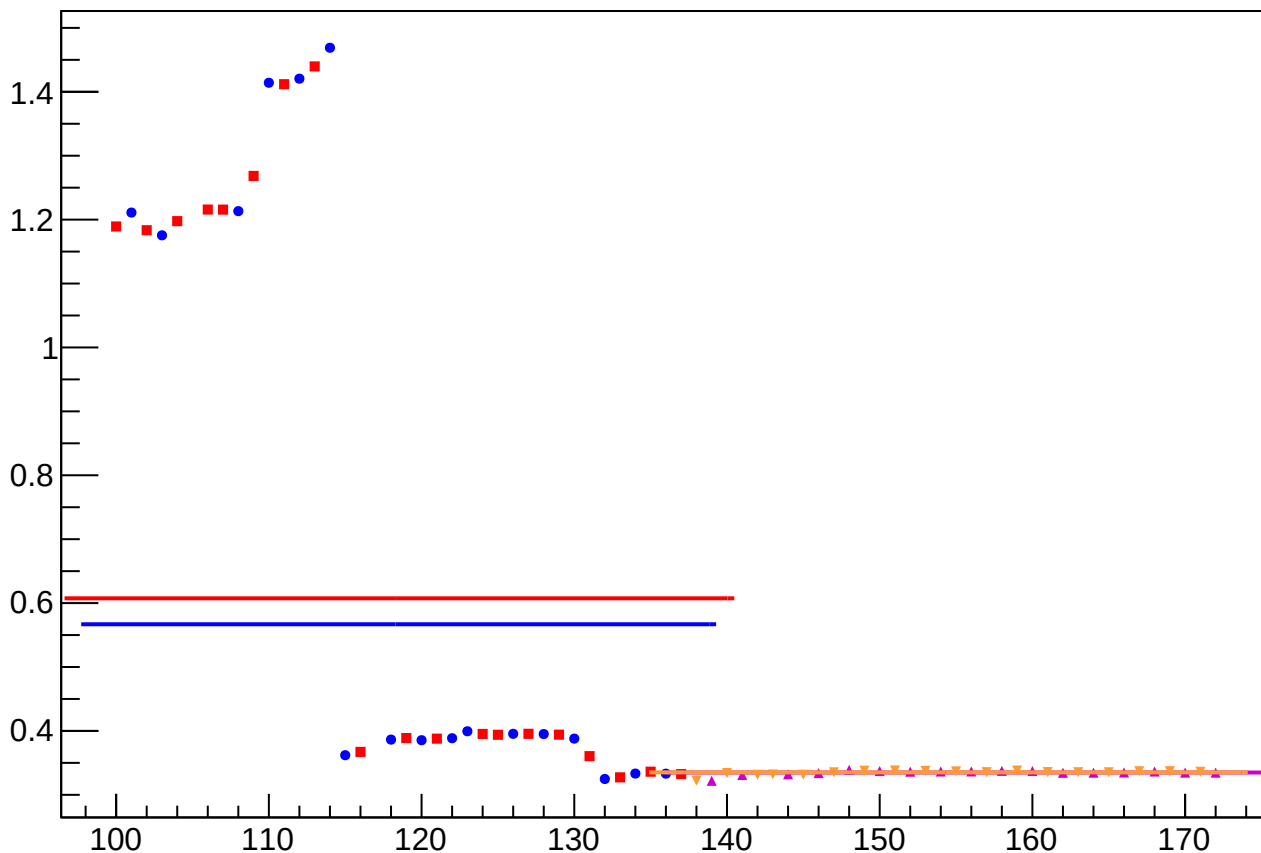
Left In: 0.019+/-0.000 χ^2/NDF : 571216.2/16

+ sign 0.019+/-0.000 χ^2/NDF : 1630283.4/34

All: 0.019+/-0.000 χ^2/NDF : 3661630.3/70

- sign 0.019+/-0.000 χ^2/NDF : 2027336.8/35

yield_bpm4eY_mean vs Slug



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.335+/-0.000 χ^2/NDF :1130077.2/17

Right Out: 0.607+/-0.000 χ^2/NDF : 5505226431.3/18

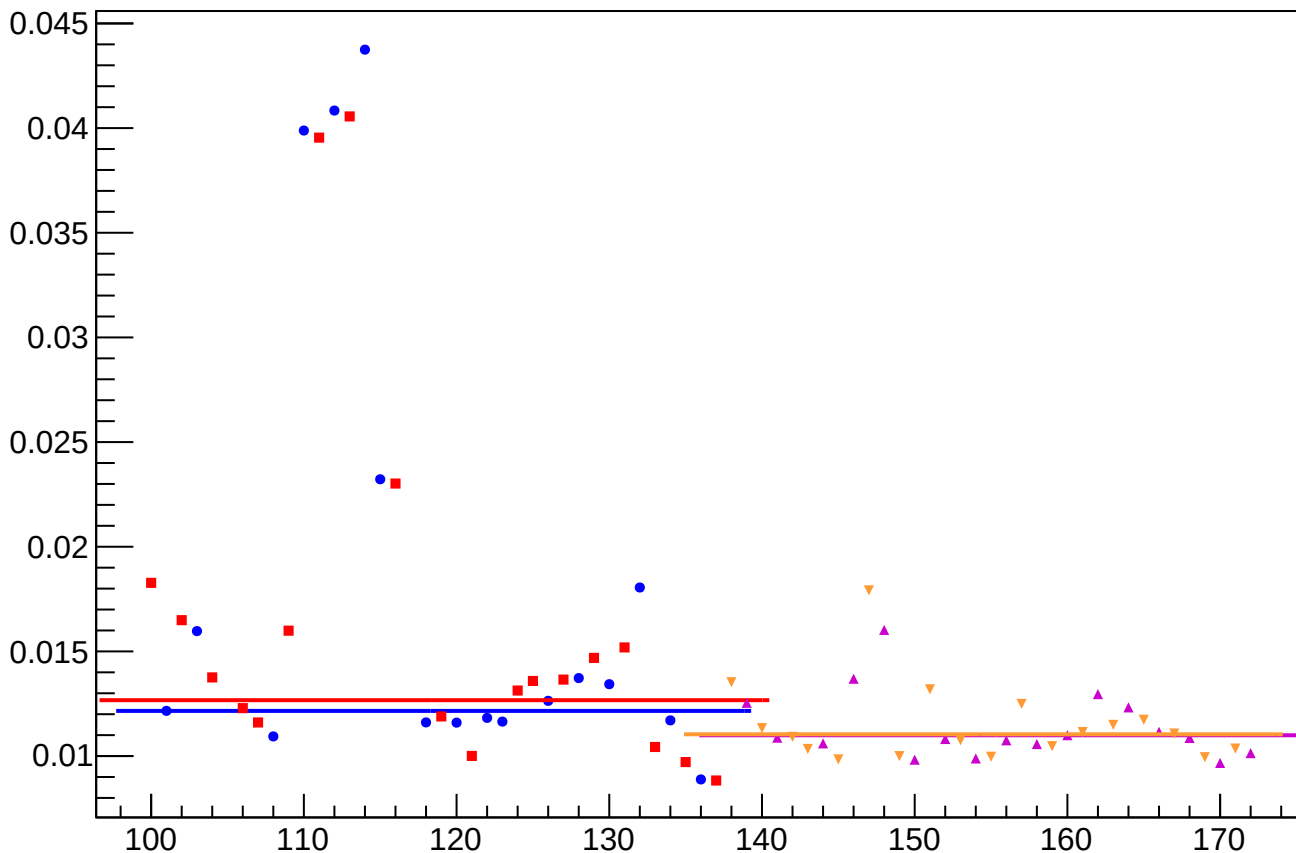
Left In: 0.335+/-0.000 χ^2/NDF :1169120.4/16

+ sign 0.397+/-0.000 χ^2/NDF : 6513025057.0/34

All: 0.401+/-0.000 χ^2/NDF : 14040052474.7/71

- sign 0.406+/-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:428346.5/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

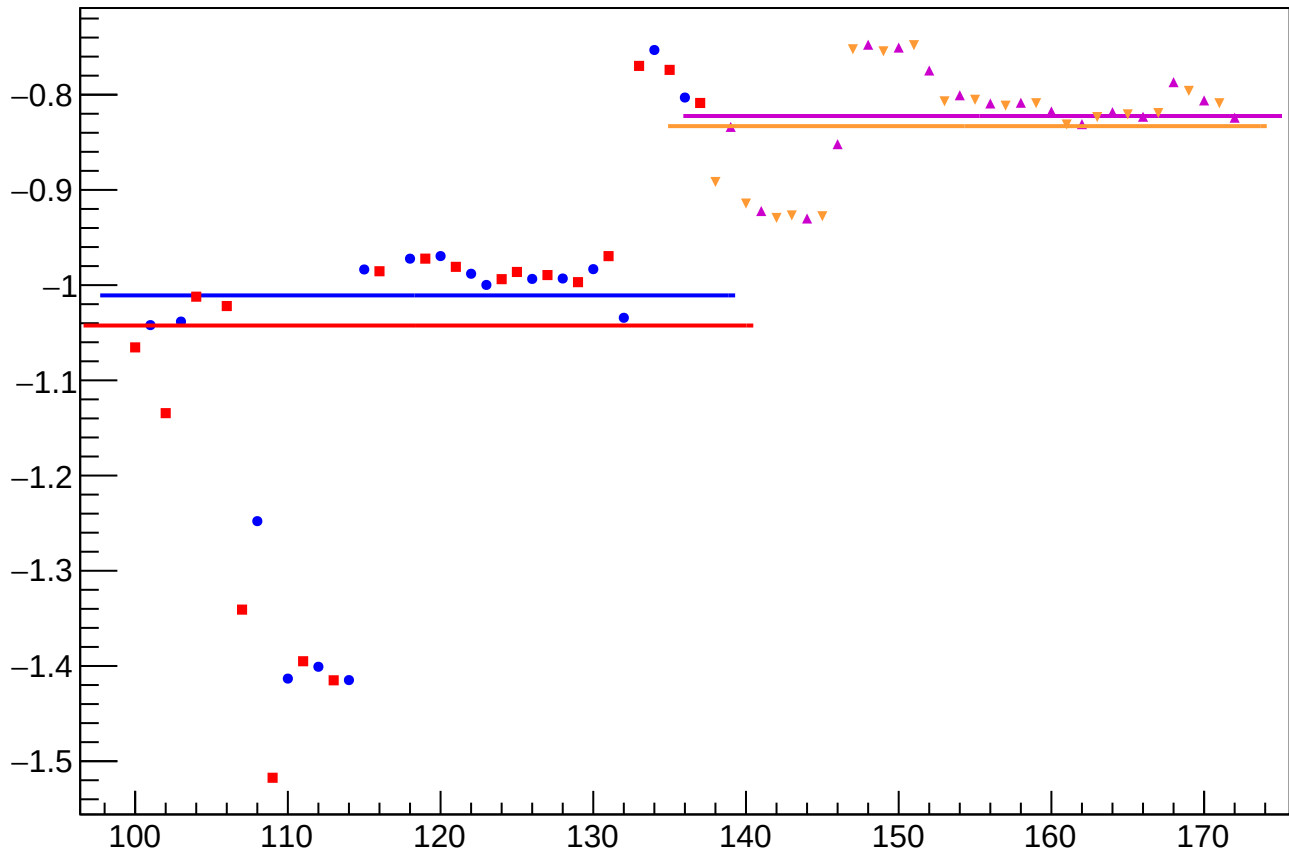
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:368337.1/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1805876.8/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3595011.1/70

- 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: -0.833 ± 0.000 χ^2/NDF : 97620487.2/17

Right Out: -1.042 ± 0.000 χ^2/NDF : 528958824.5/18

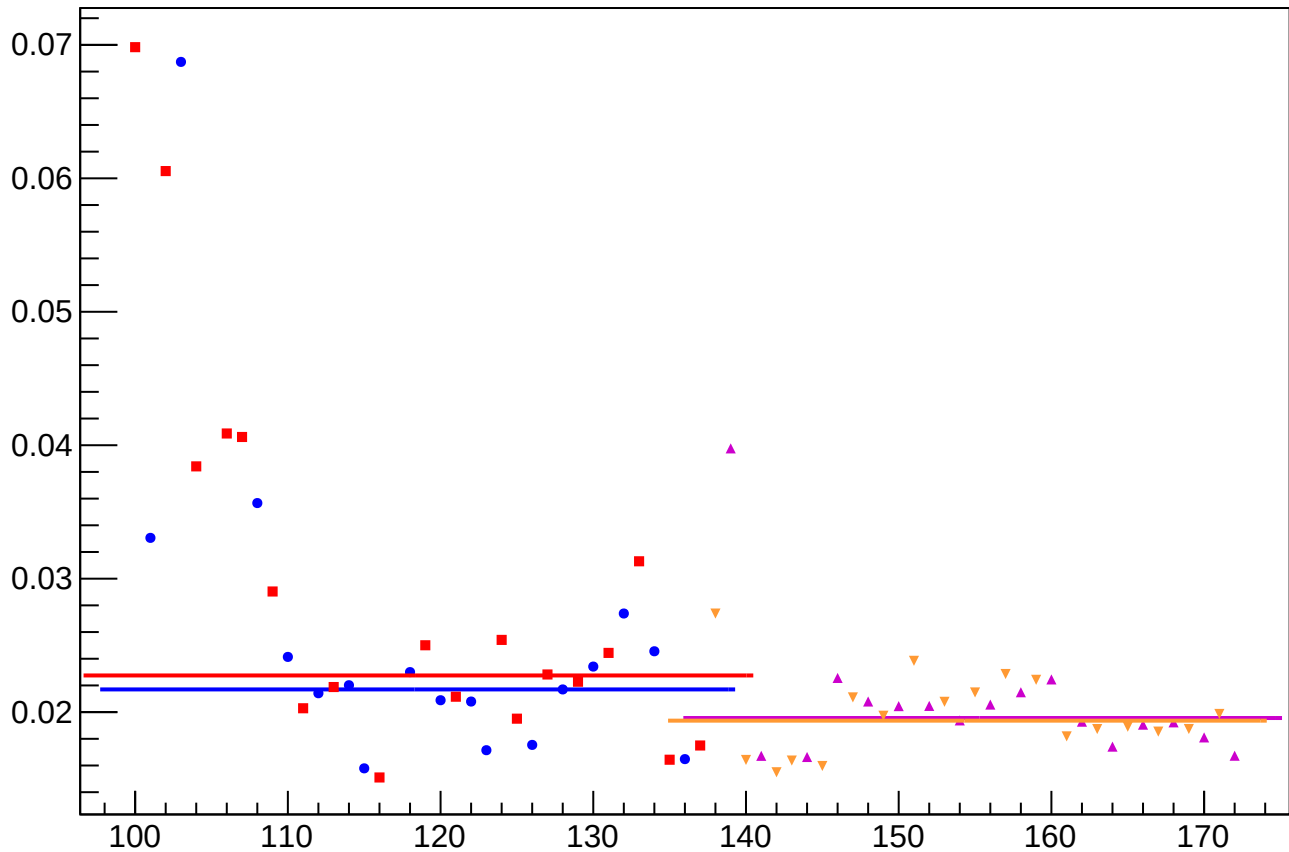
Left In: -0.822 ± 0.000 χ^2/NDF : 73599448.0/16

+ sign -0.881 ± 0.000 χ^2/NDF : 731049194.8/34

All: -0.882 ± 0.000 χ^2/NDF : 1695955833.7/77

- 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:396711.1/17

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1152332.6/18

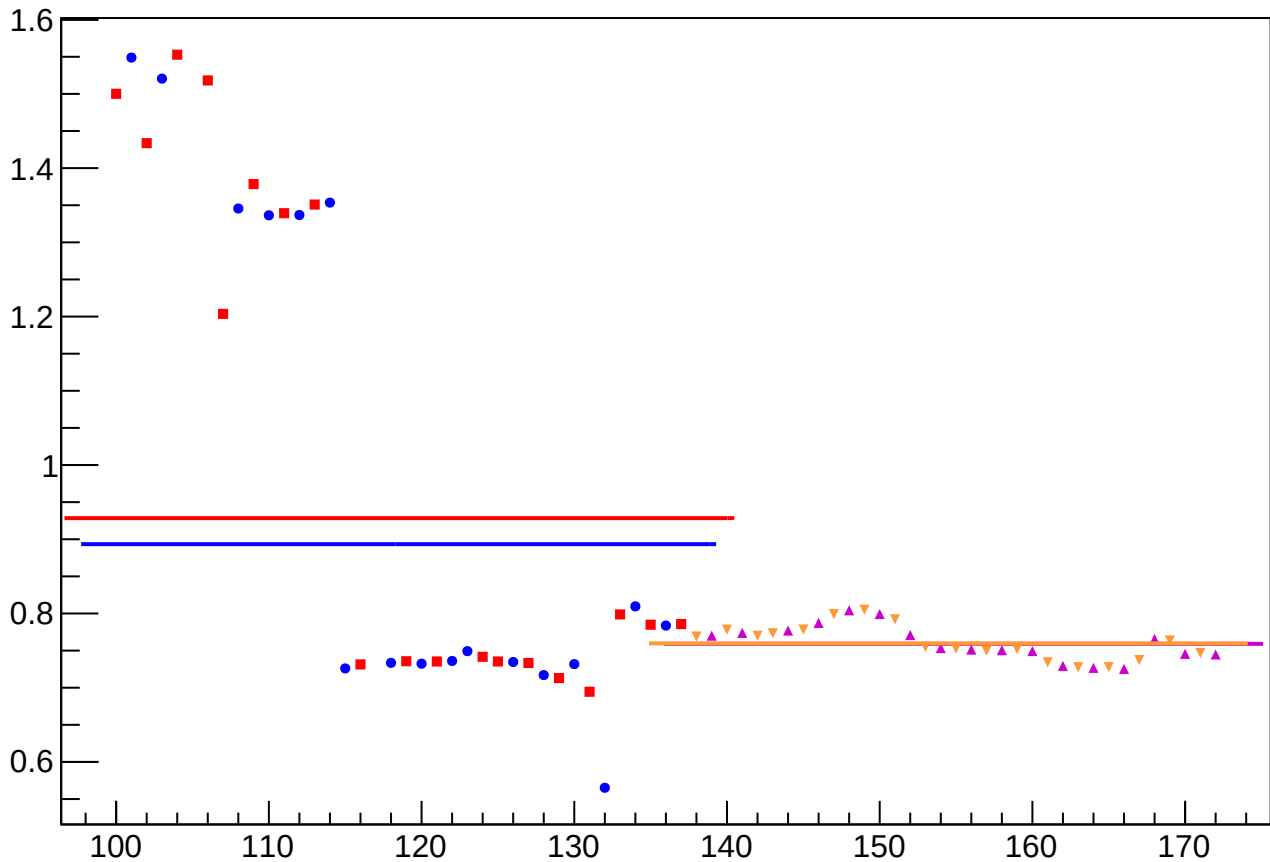
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:569769.0/16

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1461356.0/34

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3342721.4/70

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1874359.0/35

yield_bpm4acY_mean vs Slug



Right In: 0.893 ± 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.760 ± 0.000 χ^2/NDF : 37422966.9/17

Right Out: 0.928 ± 0.000 χ^2/NDF : 2435640156.0/18

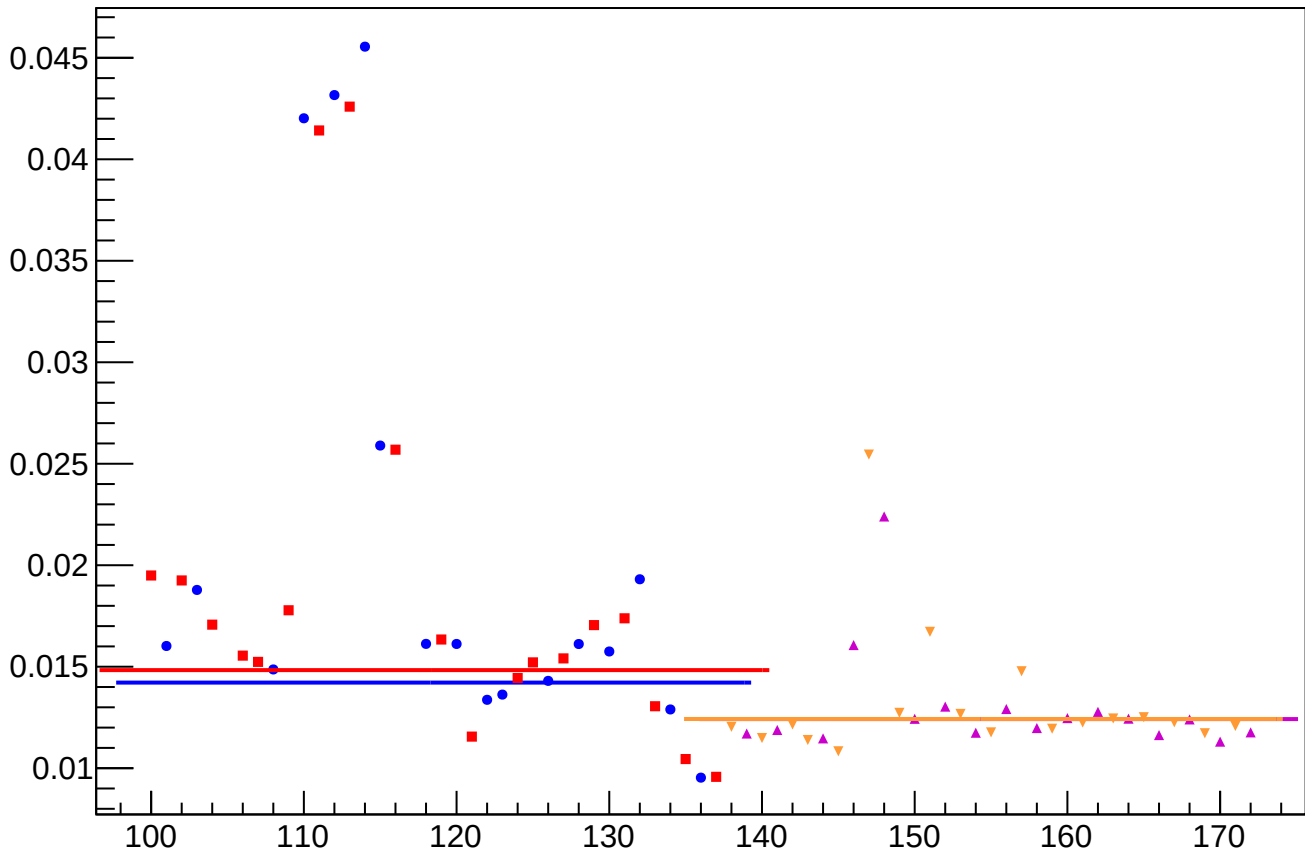
Left In: 0.759 ± 0.000 χ^2/NDF : 35116417.8/16

+ sign 0.793 ± 0.000 χ^2/NDF : 2816259627.9/34

All: 0.797 ± 0.000 χ^2/NDF : 5876753645.7/70

- sign 0.801 ± 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: 592267.6/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1269559.2/18

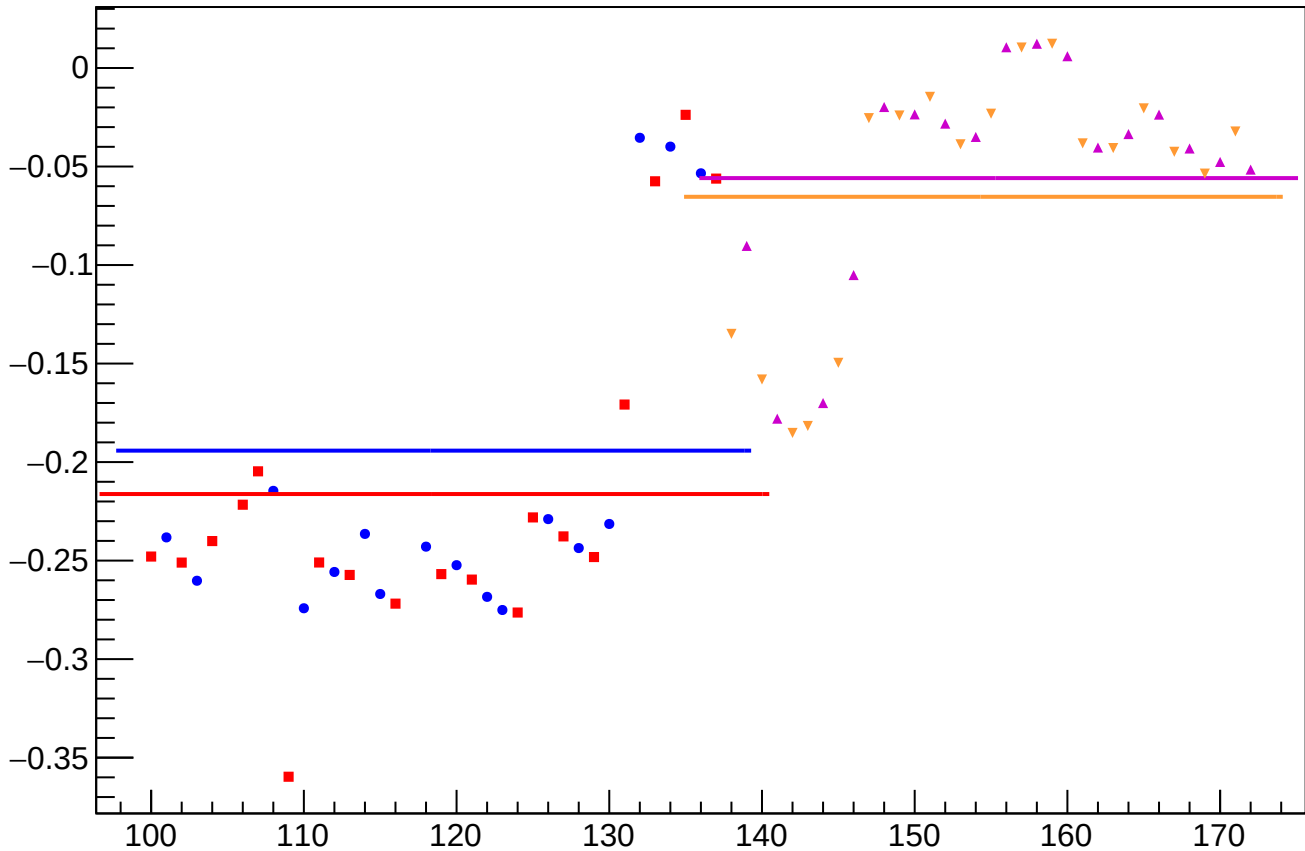
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 435823.4/16

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2135201.9/34

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4080716.4/70

- 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 : 117173163.9/17

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

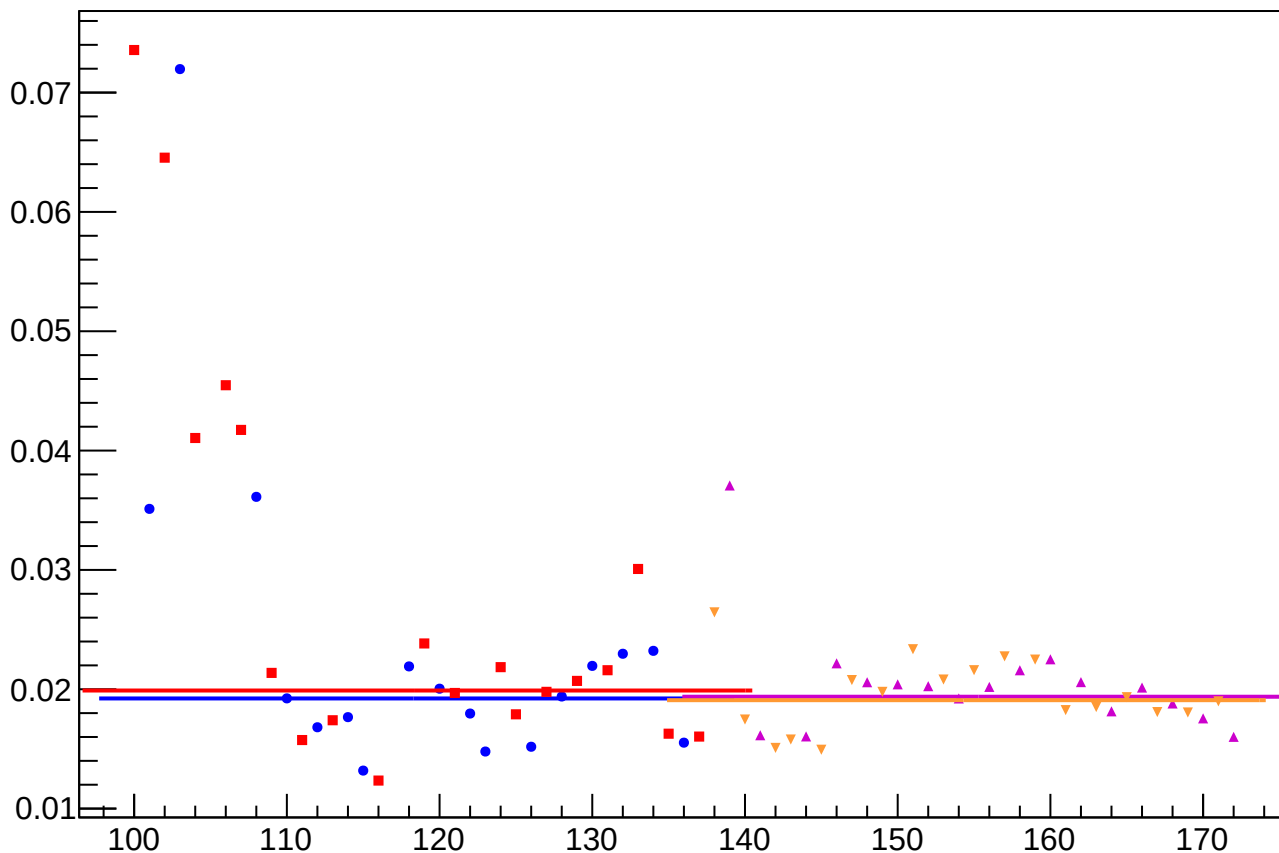
Left In: -0.056+/-0.000 χ^2/NDF : 97497290.9/16

+ sign -0.105+/-0.000 χ^2/NDF : 378964613.8/34

All: -0.106+/-0.000 χ^2/NDF : 817386233.6/70

- 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 : 430745.7/17

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

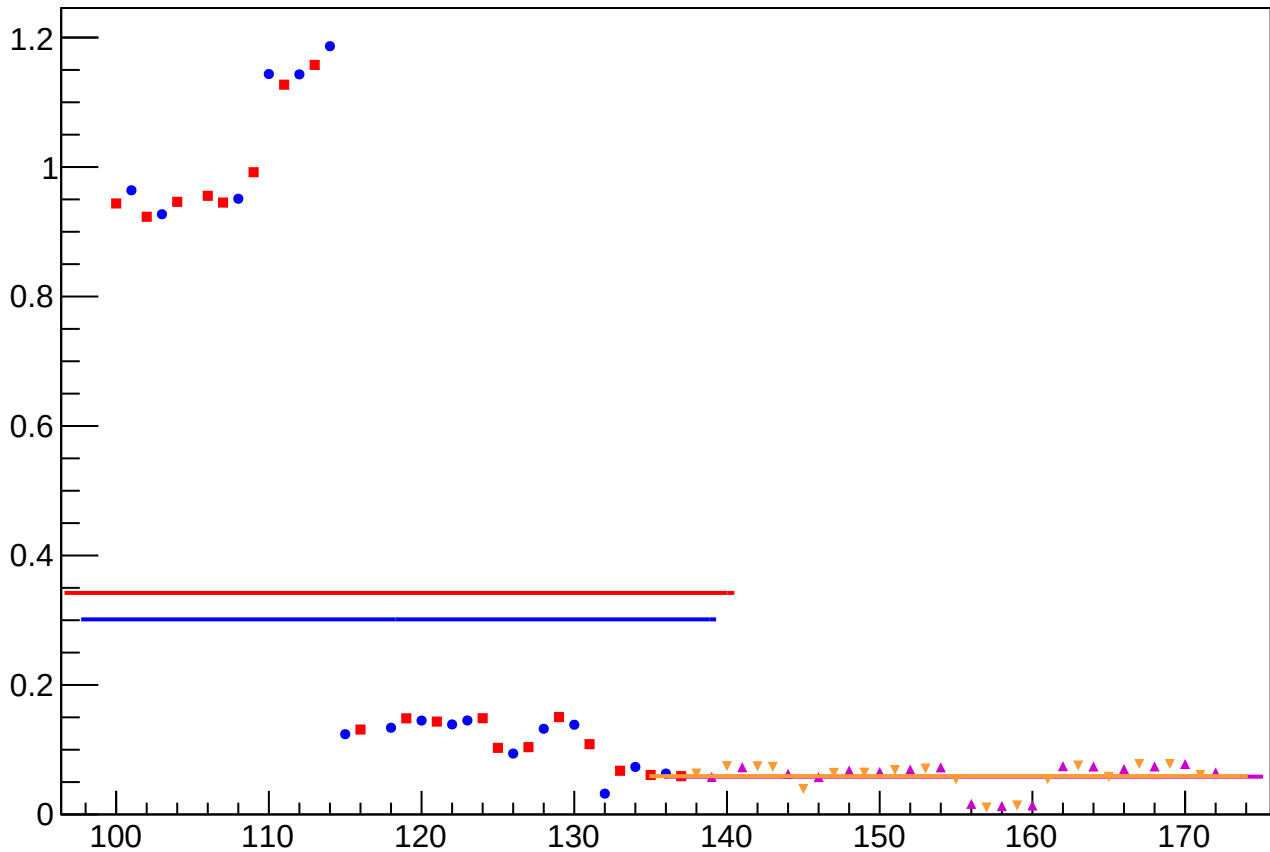
Left In: 0.019+/-0.000 χ^2/NDF : 579091.3/16

+ sign 0.019+/-0.000 χ^2/NDF : 1605709.1/34

All: 0.019+/-0.000 χ^2/NDF : 3641162.0/70

- 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: 0.059 $\pm$ 0.000 χ^2 /NDF: 43501129.1/17

Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 5442717599.3/18

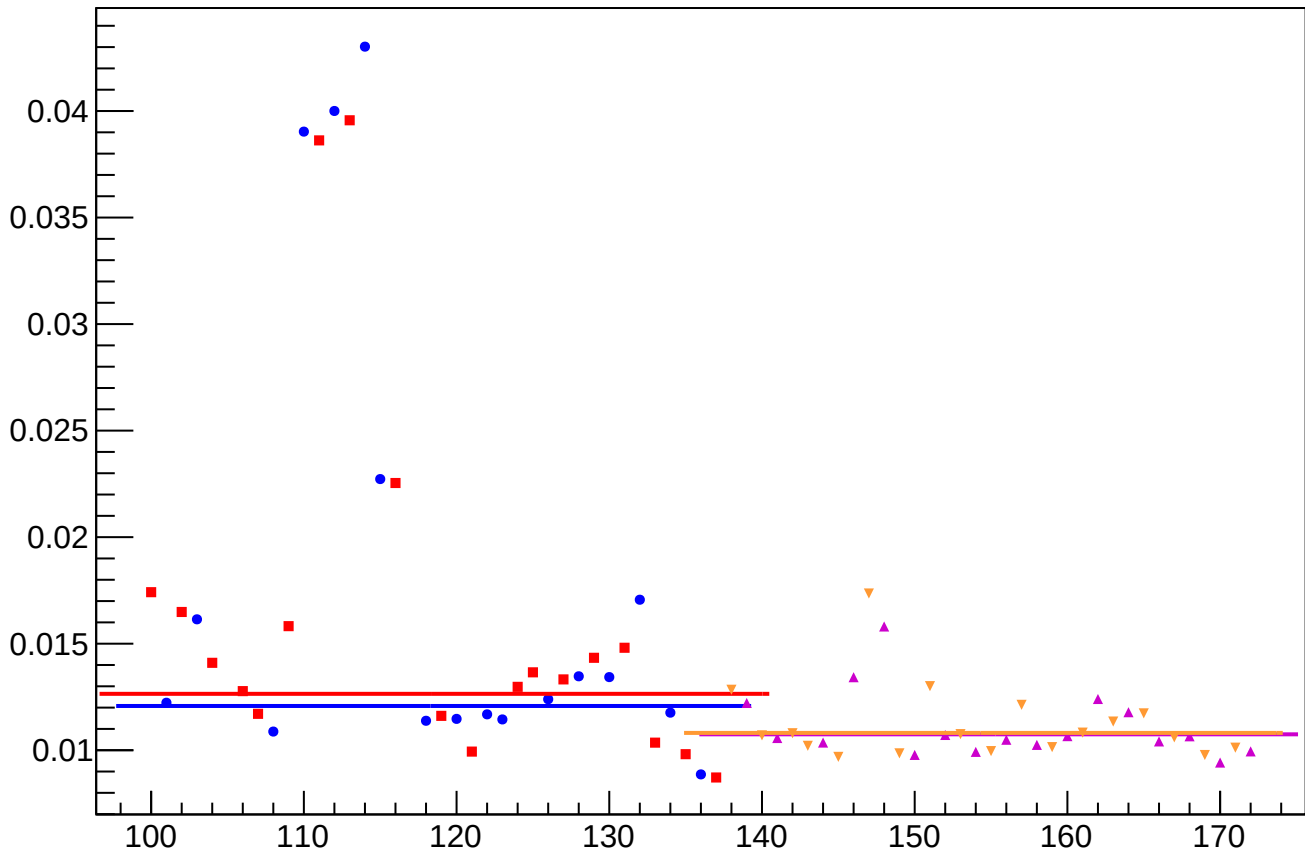
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 55135317.5/16

+ sign 0.122 $\pm$ 0.000 χ^2 /NDF: 6867006307.4/34

All: 0.126 $\pm$ 0.000 χ^2 /NDF: 14584889543.7/7

- 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: 400444.5/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

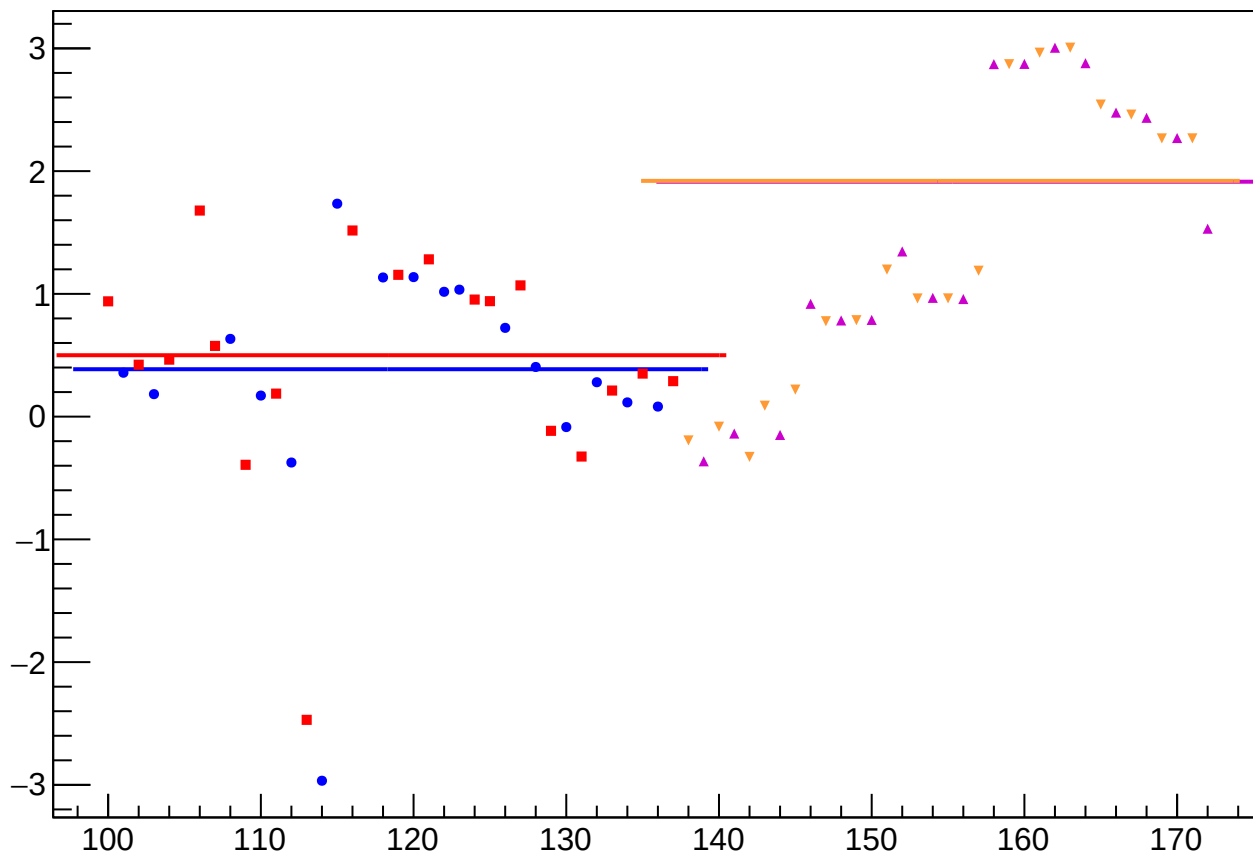
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 349117.5/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1771712.1/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3556670.0/70

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1783894.2/35

yield_bpm1X_mean vs Slug



Right In: 0.386 ± 0.000 $\chi^2/\text{NDF}: 246380221.7/16$

Left Out: 1.921 ± 0.000 $\chi^2/\text{NDF}: 27099137809.0/17$

Right Out: 0.500 ± 0.000 $\chi^2/\text{NDF}: 983386658.7/18$

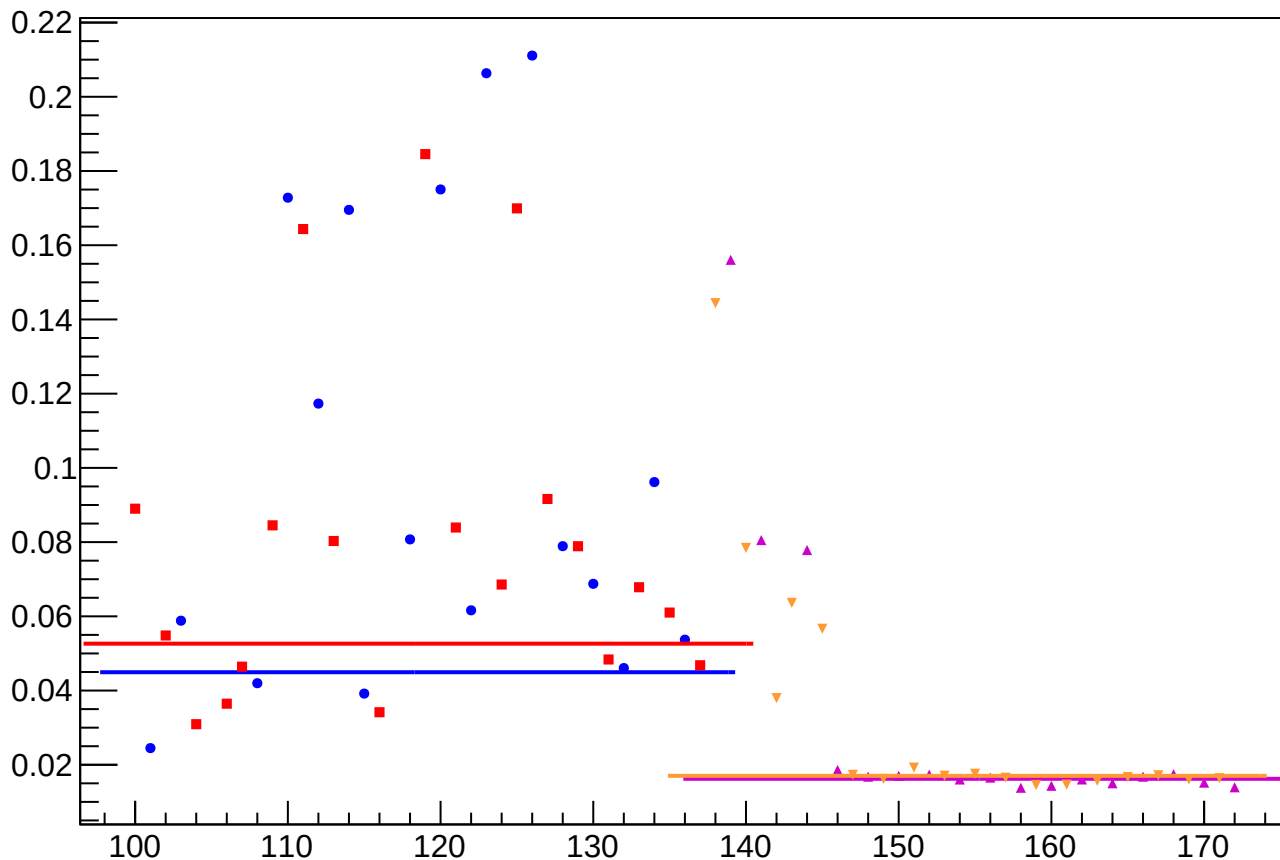
Left In: 1.914 ± 0.000 $\chi^2/\text{NDF}: 28570445537.0/16$

+ sign 1.845 ± 0.000 $\chi^2/\text{NDF}: 31256747066.9/34$

All: 1.852 ± 0.000 $\chi^2/\text{NDF}: 63673327645.9/7$

- sign 1.859 ± 0.000 $\chi^2/\text{NDF}: 32412877279.0/35$

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2741988.0/17

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

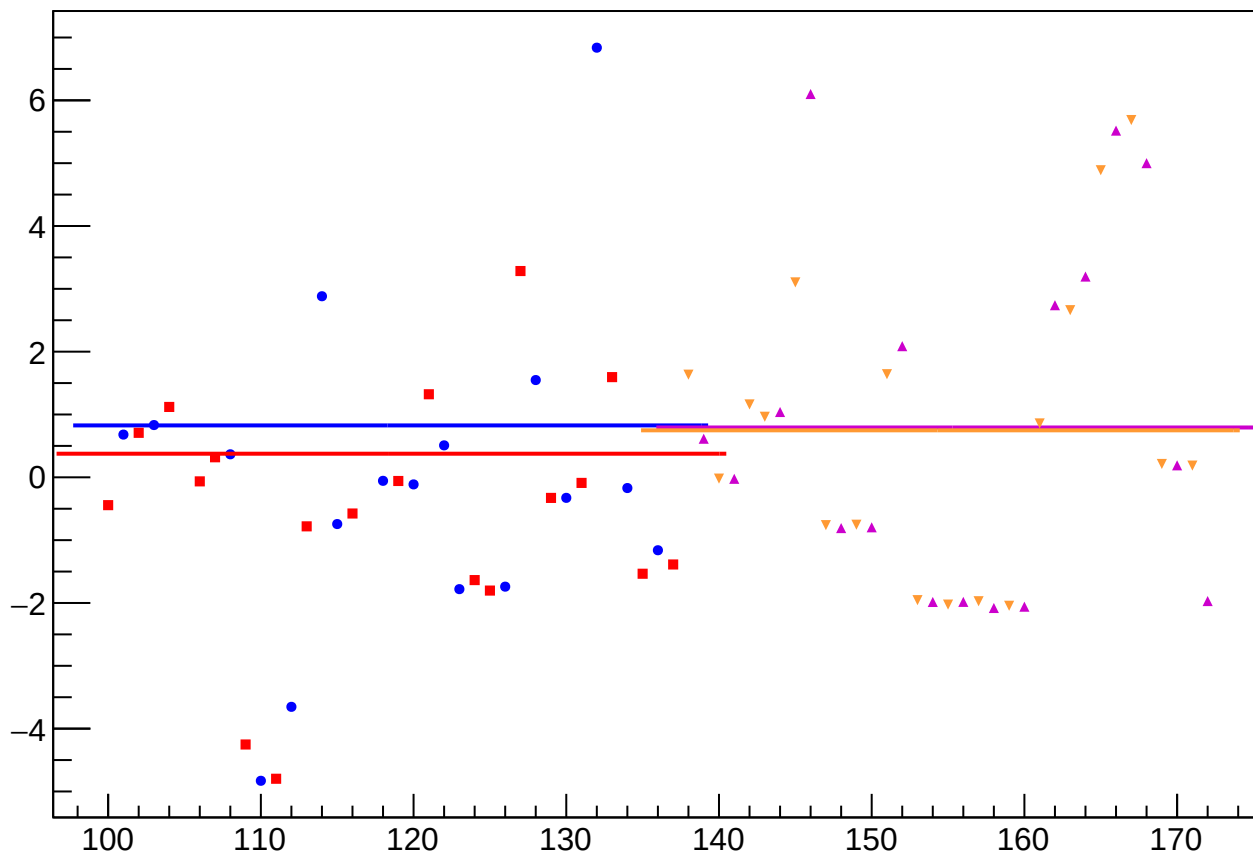
Left In: 0.016+/-0.000 χ^2/NDF : 2449963.9/16

+ sign 0.018+/-0.000 χ^2/NDF : 8119413.5/34

All: 0.018+/-0.000 χ^2/NDF : 16576841.0/70

- sign 0.018+/-0.000 χ^2/NDF : 8435589.1/35

yield_bpm1Y_mean vs Slug



Right In: 0.826 ± 0.000 $\chi^2/\text{NDF}: 10945455664.9/16$

Left Out: 0.748 ± 0.000 $\chi^2/\text{NDF}: 364726787987.1/17$

Right Out: 0.376 ± 0.000 $\chi^2/\text{NDF}: 4947158634.2/18$

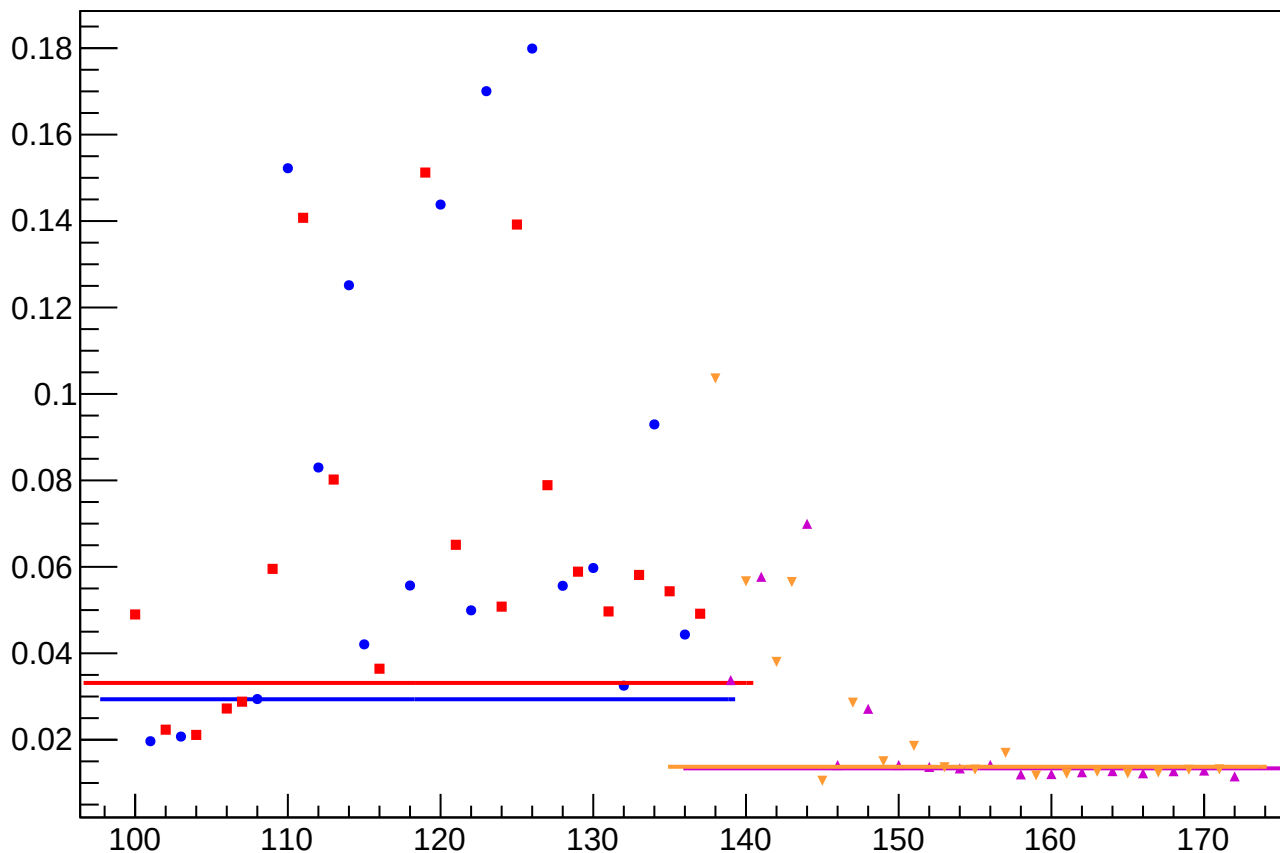
Left In: 0.793 ± 0.000 $\chi^2/\text{NDF}: 521340063488.1/16$

+ sign 0.753 ± 0.000 $\chi^2/\text{NDF}: 375694650586.1/34$

All: 0.762 ± 0.000 $\chi^2/\text{NDF}: 902565056646.9$

- sign 0.770 ± 0.000 $\chi^2/\text{NDF}: 526861849458.2/35$

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 : 2844930.7/17

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

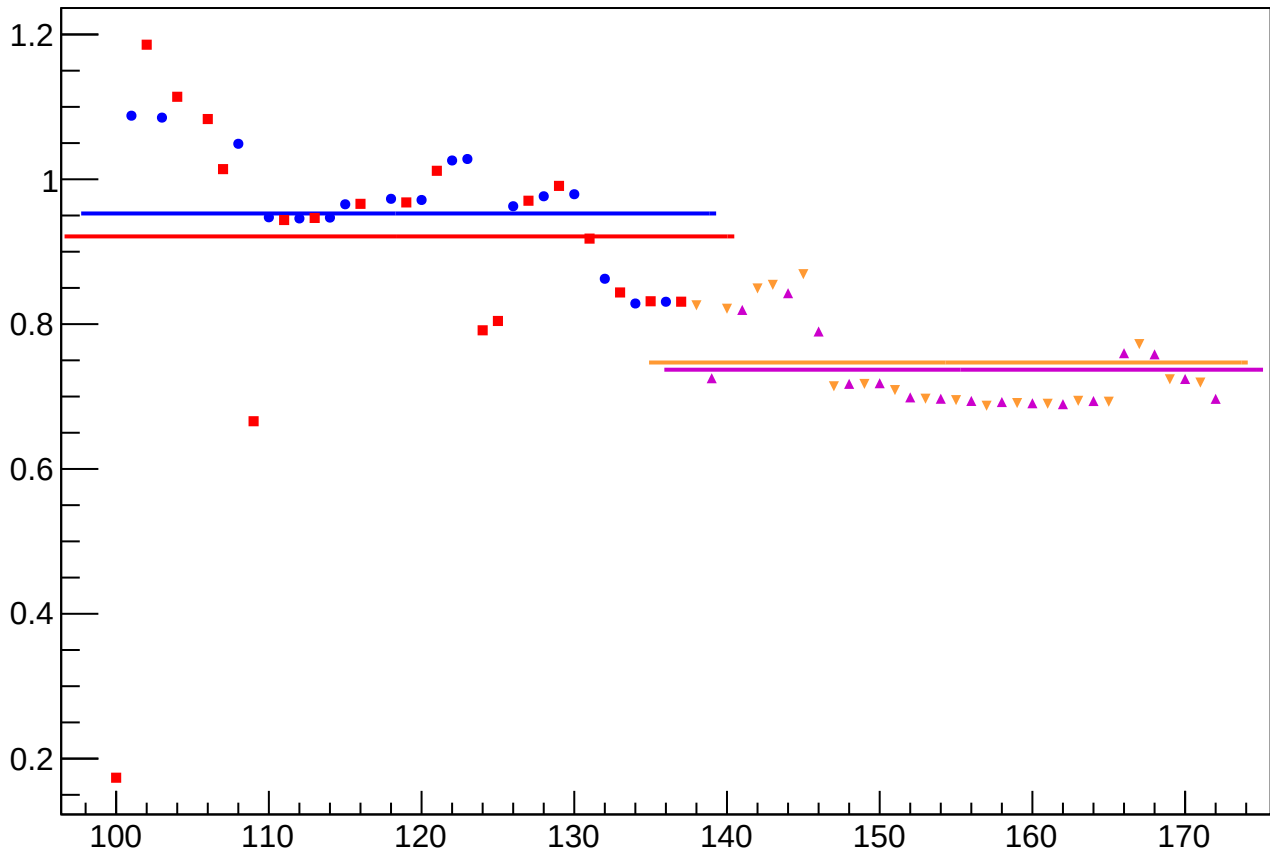
Left In: 0.013+/-0.000 χ^2/NDF : 1932991.5/16

+ sign 0.015+/-0.000 χ^2/NDF : 7622736.2/34

All: 0.015+/-0.000 χ^2/NDF : 15238366.2/70

- 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: 0.747 $\pm$ 0.000 χ^2 /NDF: 265391353.5/17

+ sign 0.813 $\pm$ 0.000 χ^2 /NDF: 1317702231.8/34

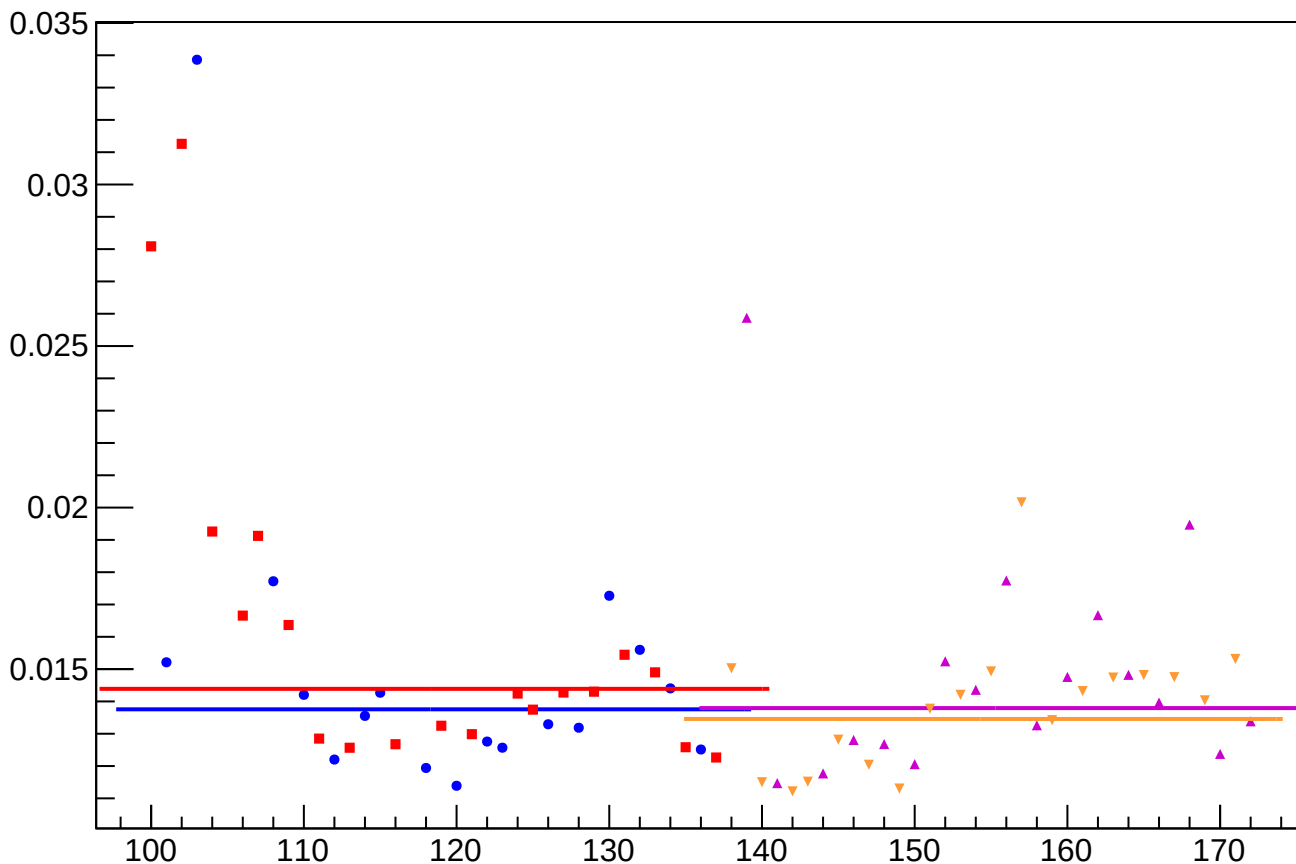
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

All: 0.805 $\pm$ 0.000 χ^2 /NDF: 2541195269.9/70

- sign 0.797 $\pm$ 0.000 χ^2 /NDF: 1211315195.1/35

Left In: 0.737 $\pm$ 0.000 χ^2 /NDF: 164414287.9/16

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538469.4/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:396041.1/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

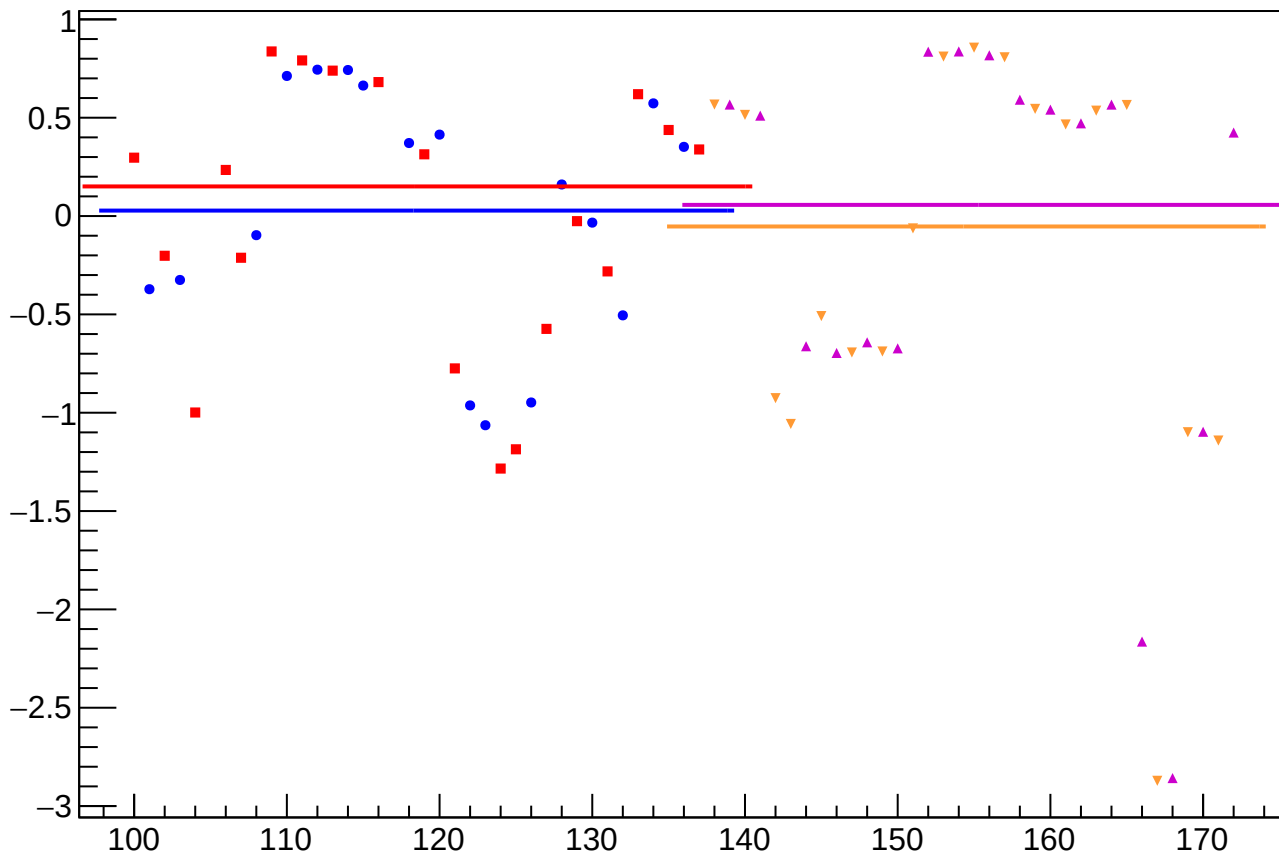
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:752097.3/16

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 938192.9/34

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2225671.6/70

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1270008.0/35

yield_bpm11Y_mean vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 627695529.7/16

Left Out: -0.053 $\pm$ 0.000 χ^2 /NDF: 72209593641.9/17

Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 12653743155.9/18

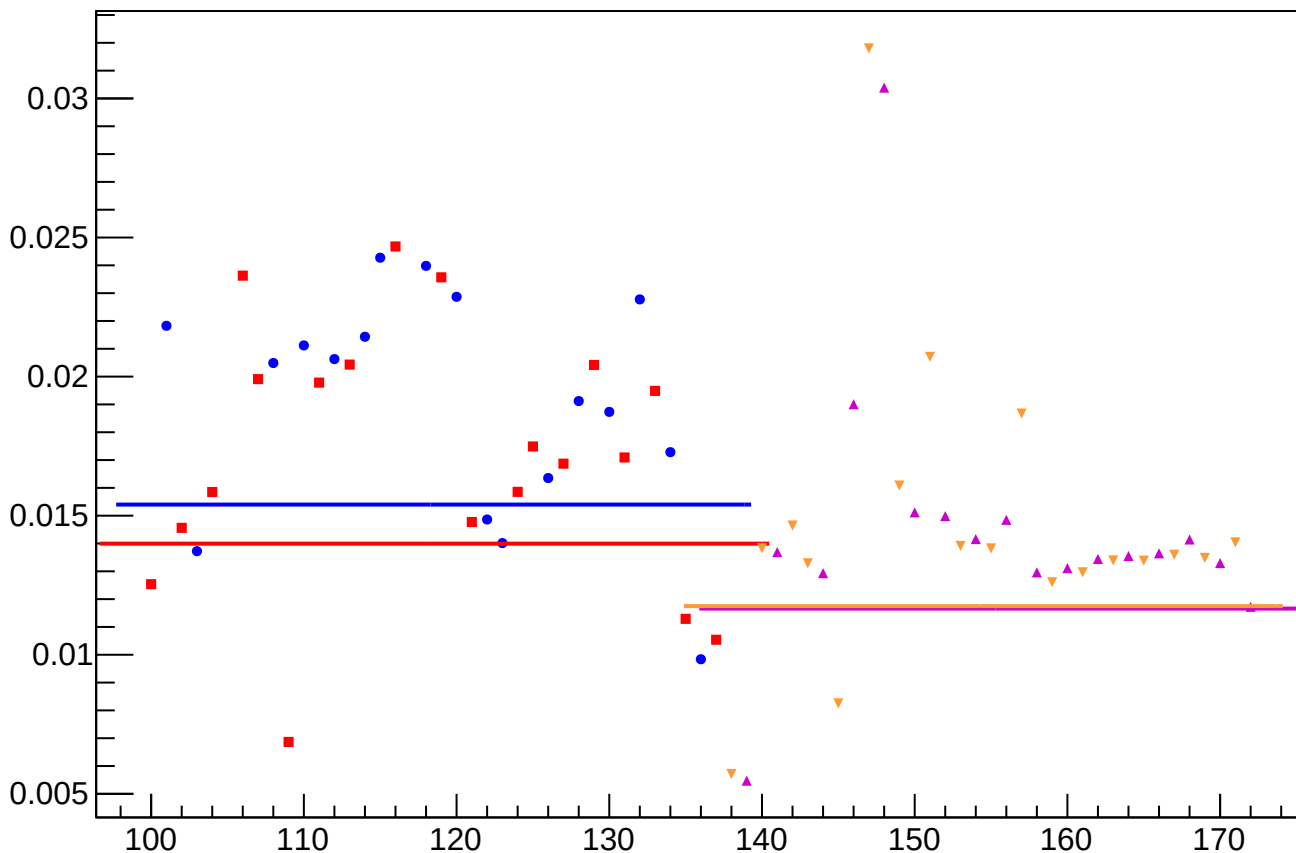
Left In: 0.057 $\pm$ 0.000 χ^2 /NDF: 78662191277.1/16

+ sign -0.035 $\pm$ 0.000 χ^2 /NDF: 78606132478.0/34

All: 0.024 $\pm$ 0.000 χ^2 /NDF: 170831640204.0

- sign 0.081 $\pm$ 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: 3016952.3/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1561550.9/18

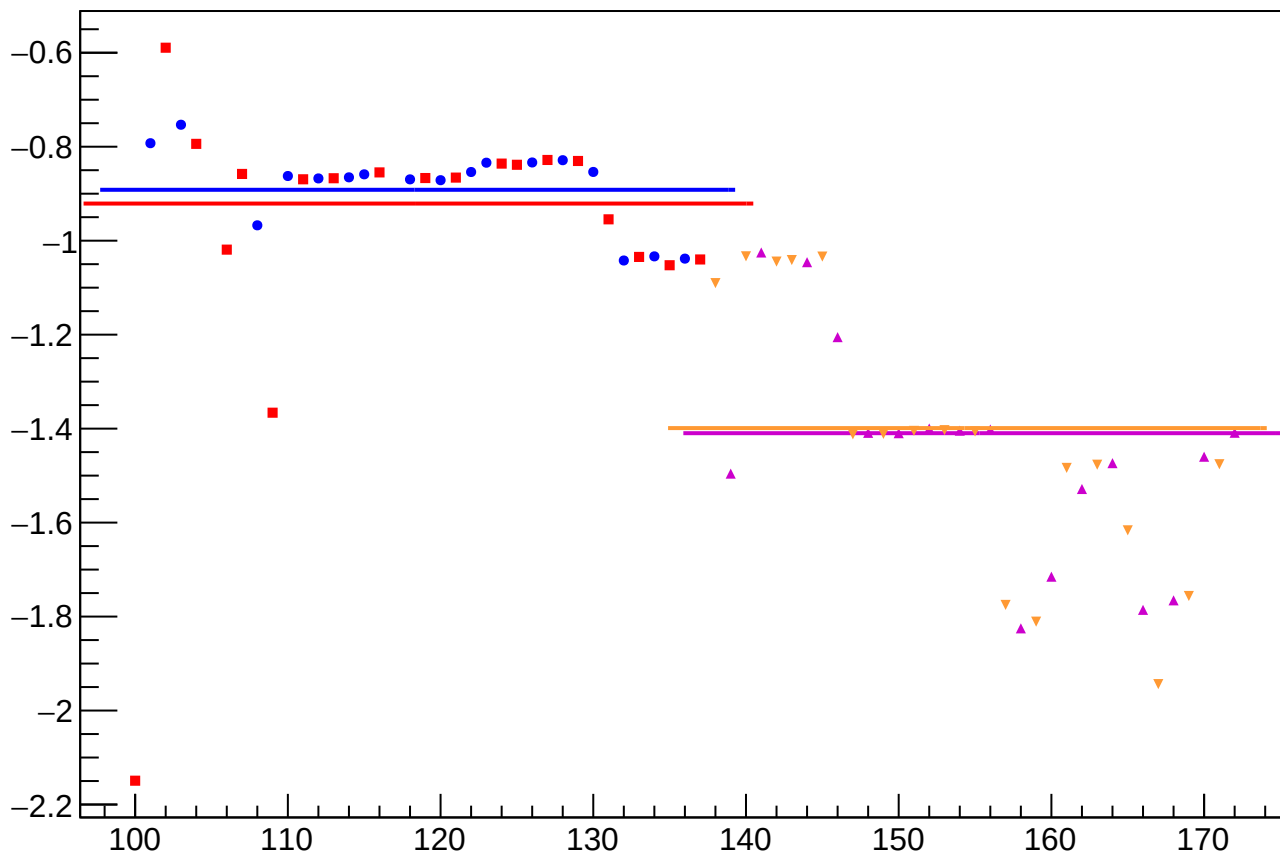
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 3033045.2/16

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4646529.1/34

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 9481878.9/70

- 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 : 714290327.0/17

Right Out: -0.921 ± 0.000 χ^2/NDF : 131159330.1/18

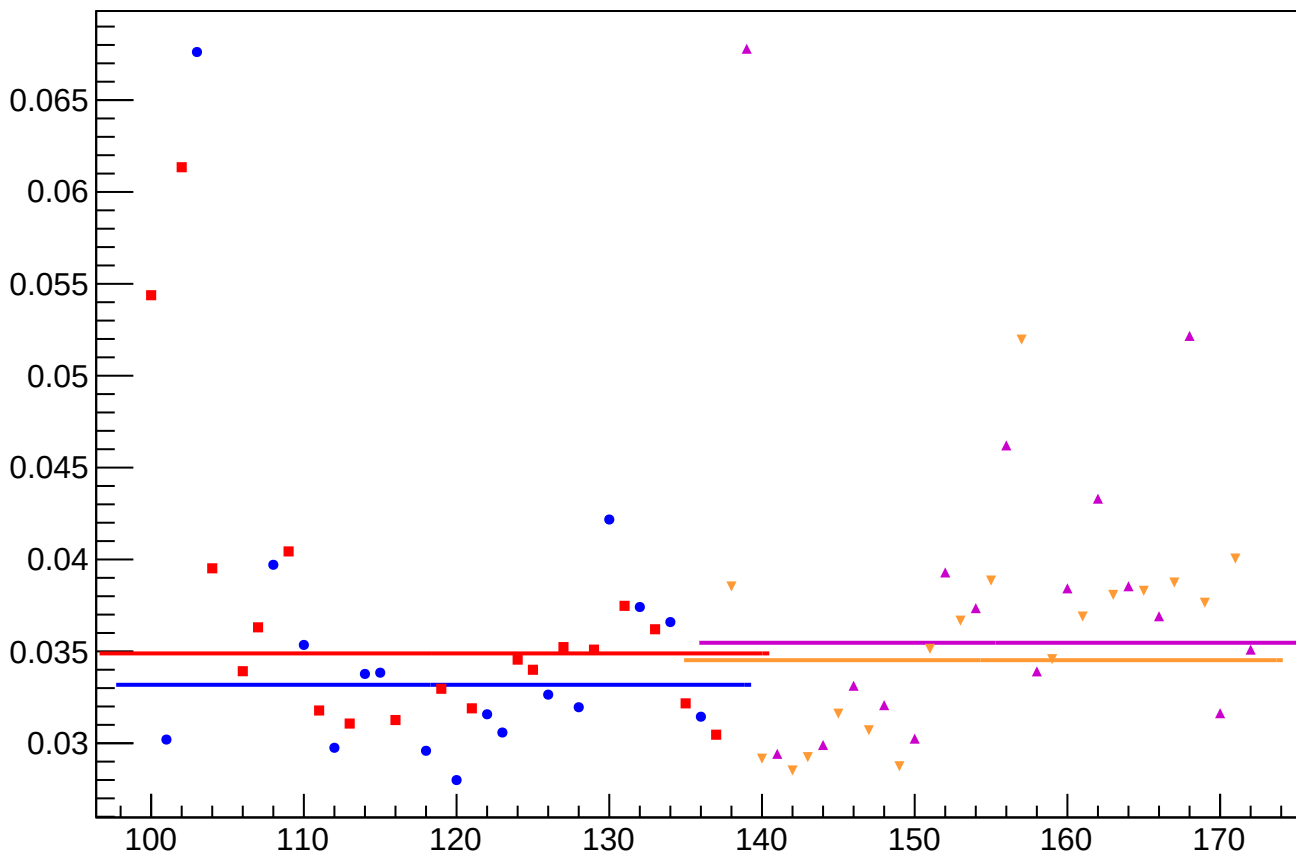
Left In: -1.410 ± 0.000 χ^2/NDF : 511150899.8/16

+ sign -1.221 ± 0.000 χ^2/NDF : 1634753575.2/34

All: -1.228 ± 0.000 χ^2/NDF : 3057261561.0/7

- 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:451841.0/17

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 275013.9/18

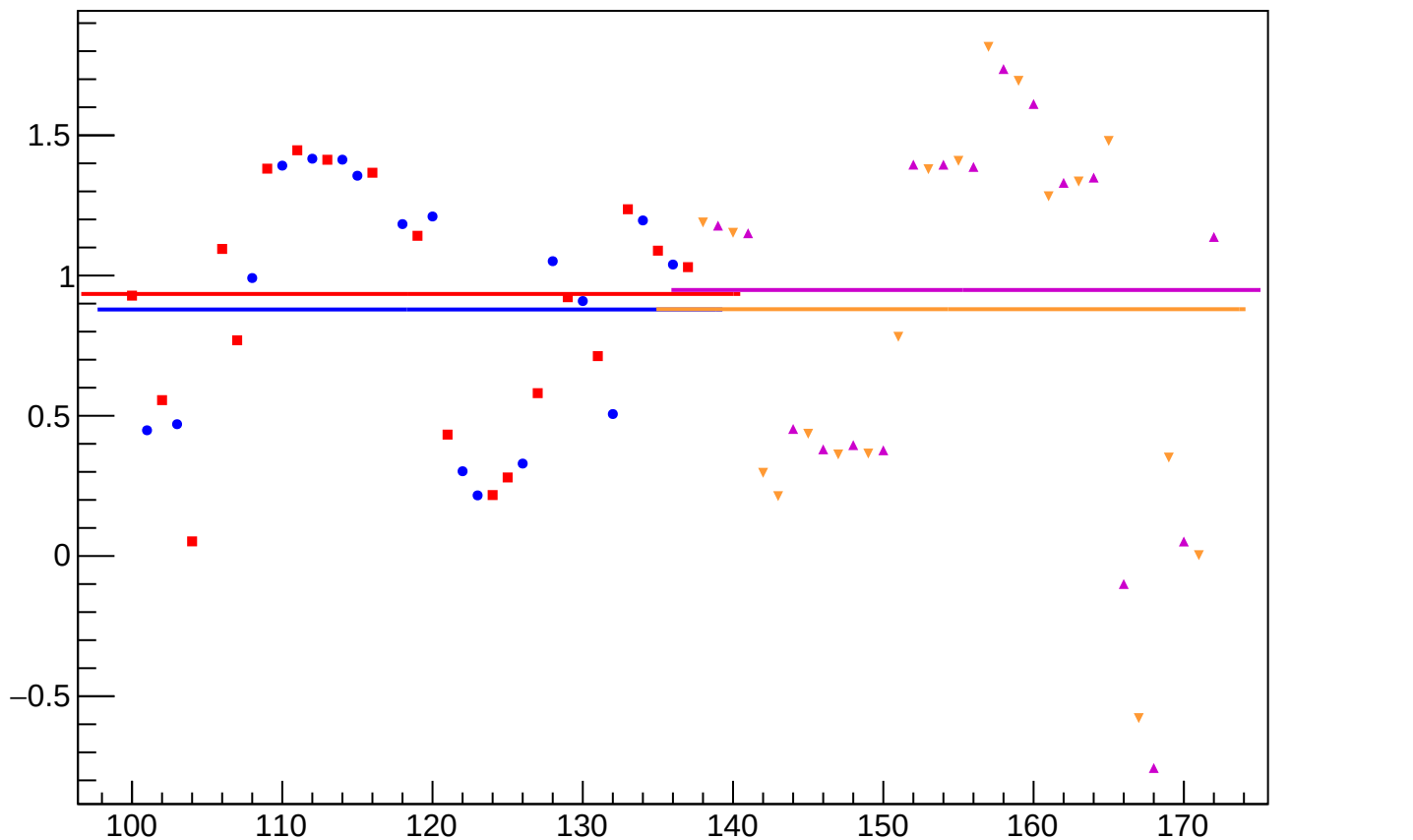
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF:836051.7/16

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 864238.6/34

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 1998987.9/70

- 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: 0.880+/-0.000 χ^2/NDF : 63237776616.4/17

Right Out: 0.934+/-0.000 χ^2/NDF : 9827120184.9/18

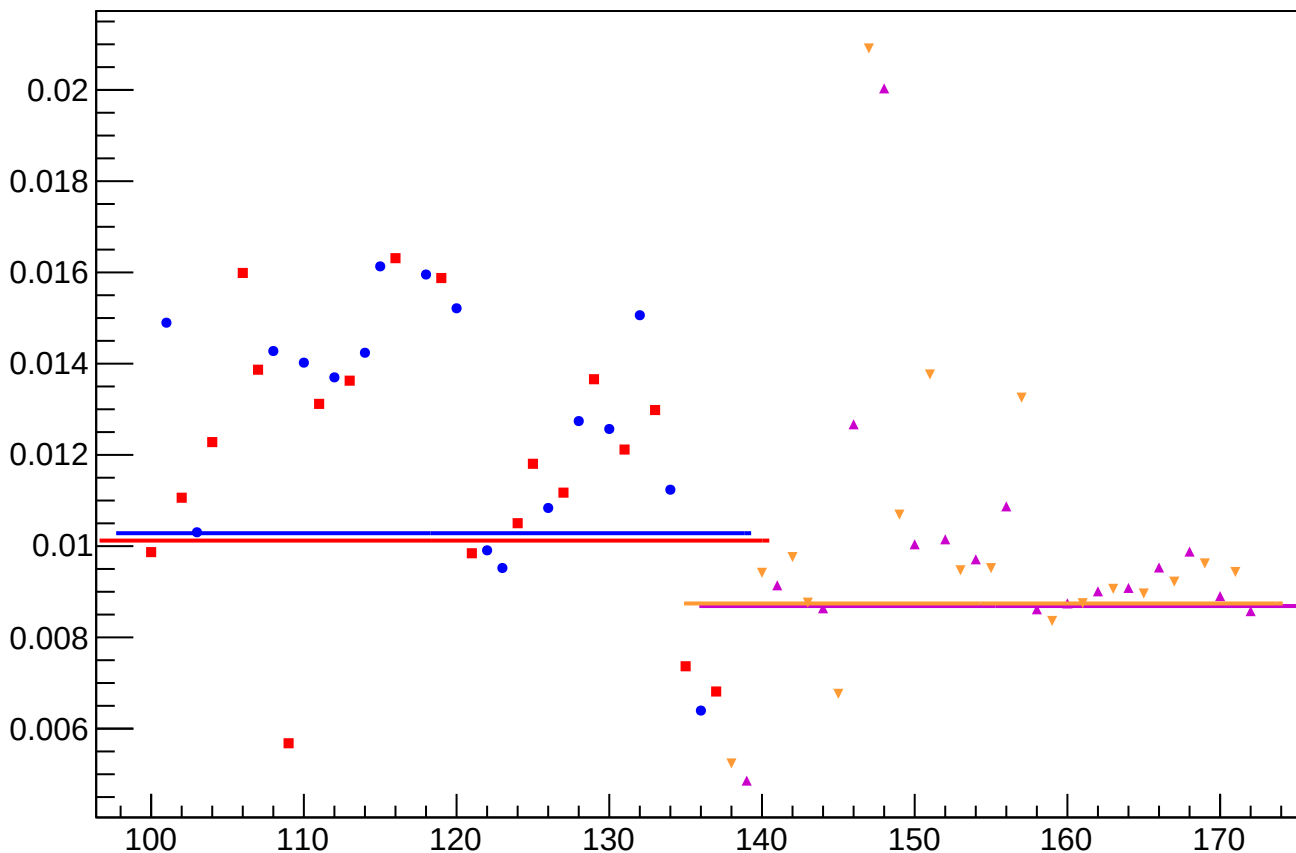
Left In: 0.949+/-0.000 χ^2/NDF : 65445963101.9/16

+ sign 0.880+/-0.000 χ^2/NDF : 69609423977.8/34

All: 0.913+/-0.000 χ^2/NDF : 145338274062.0

- 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 : 1688698.9/17

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1176642.1/18

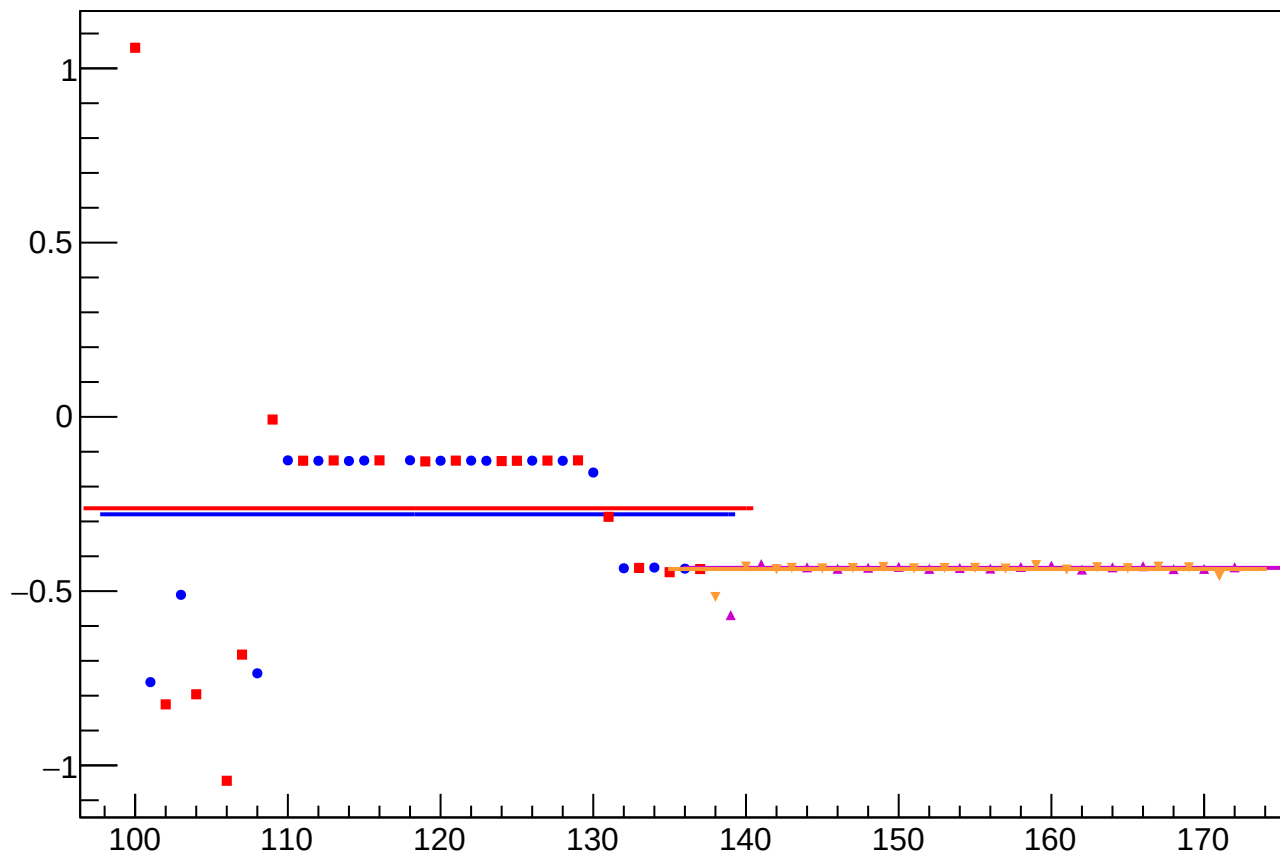
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 1654028.7/16

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 3083077.6/34

All: 0.009 $\pm$ 0.000 χ^2/NDF : 6086426.6/70

- 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: -0.437 ± 0.000 χ^2/NDF : 28636794.7/17

Right Out: -0.262 ± 0.000 χ^2/NDF : 1006263824.6/18

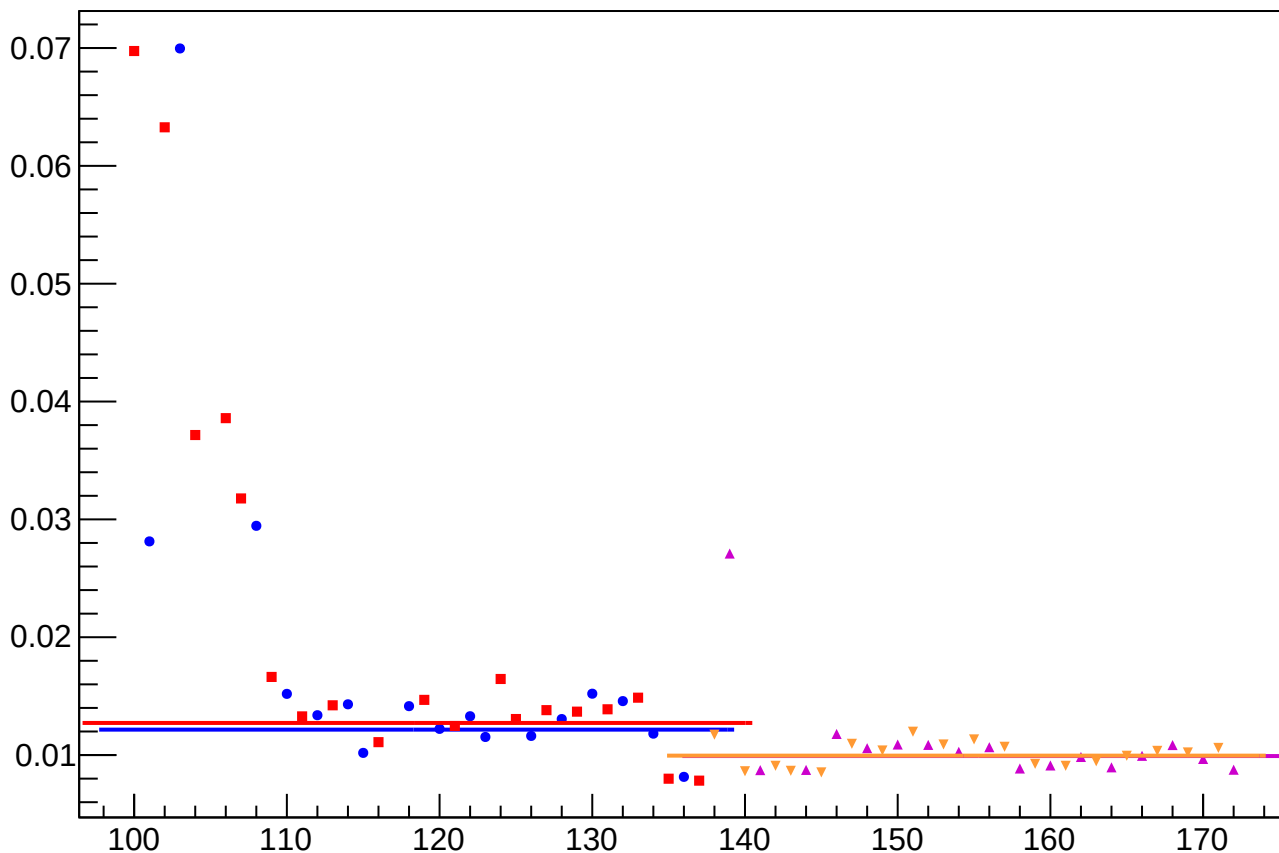
Left In: -0.433 ± 0.000 χ^2/NDF : 19814464.4/16

+ sign -0.403 ± 0.000 χ^2/NDF : 1566442356.6/34

All: -0.400 ± 0.000 χ^2/NDF : 3283015733.0/7

- 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:235367.0/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

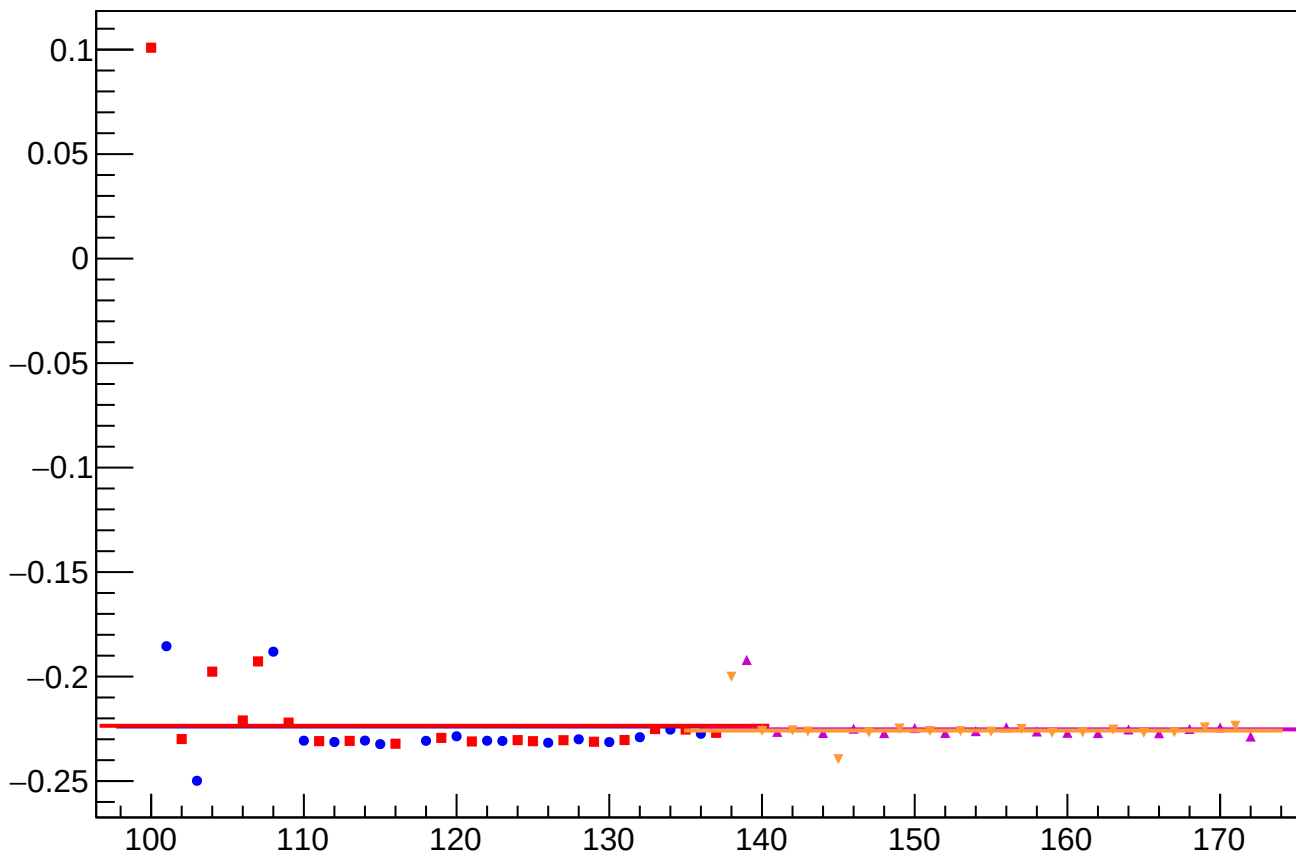
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:763438.1/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2198566.0/34

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5301910.0/70

- 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 : 20834519.5/17

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

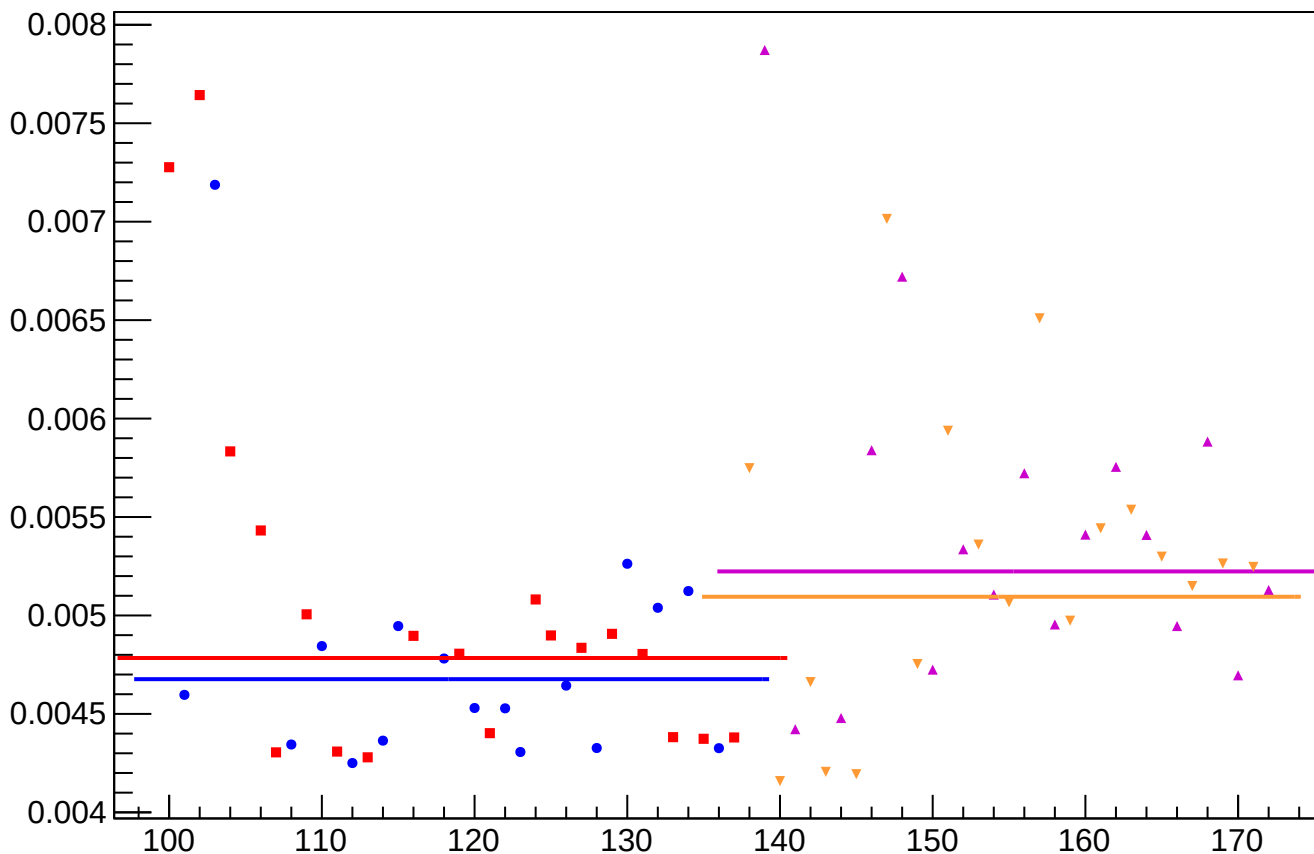
Left In: -0.225+/-0.000 χ^2/NDF : 13173324.1/16

+ sign -0.225+/-0.000 χ^2/NDF : 96098685.4/34

All: -0.225+/-0.000 χ^2/NDF : 278006601.9/70

- 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 : 452554.0/17

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

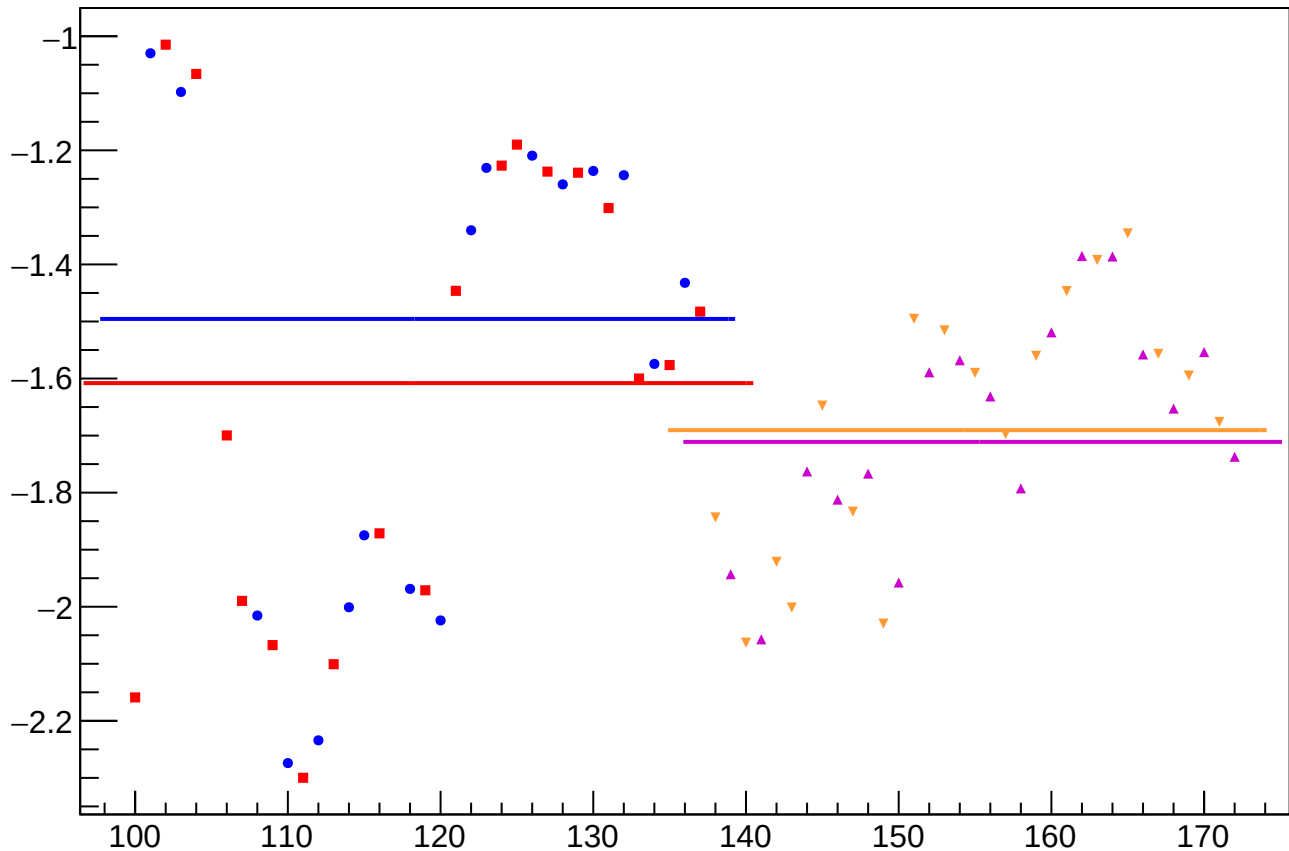
Left In: 0.005+/-0.000 χ^2/NDF : 436530.7/16

+ sign 0.005+/-0.000 χ^2/NDF : 694472.8/34

All: 0.005+/-0.000 χ^2/NDF : 1455476.4/70

- 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: -1.690+/-0.000 χ^2/NDF : 15733082276.3/17

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

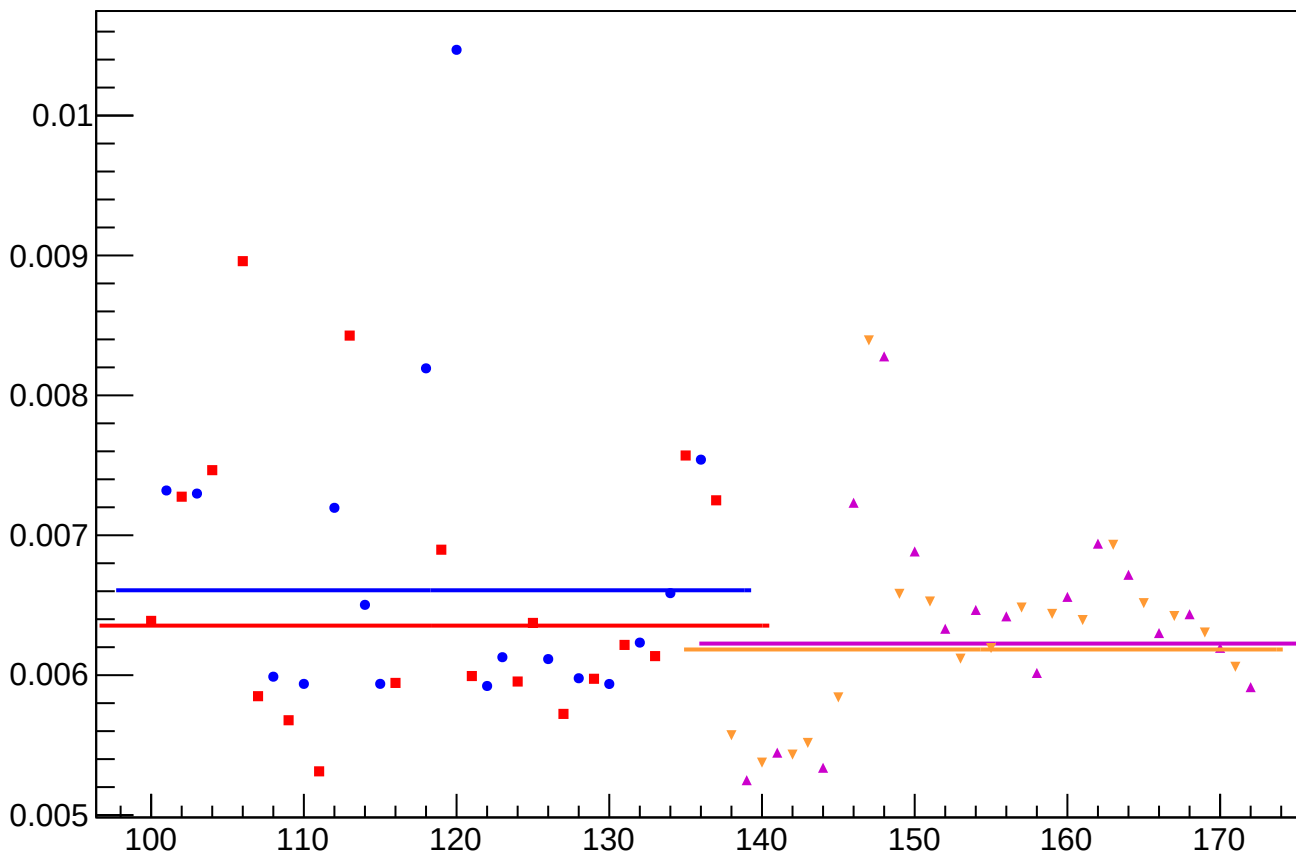
Left In: -1.711+/-0.000 χ^2/NDF : 11430979715.4/16

+ sign -1.633+/-0.000 χ^2/NDF : 41964292745.4/34

All: -1.655+/-0.000 χ^2/NDF : 82842170010.4/35

- 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 : 229624.5/17

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

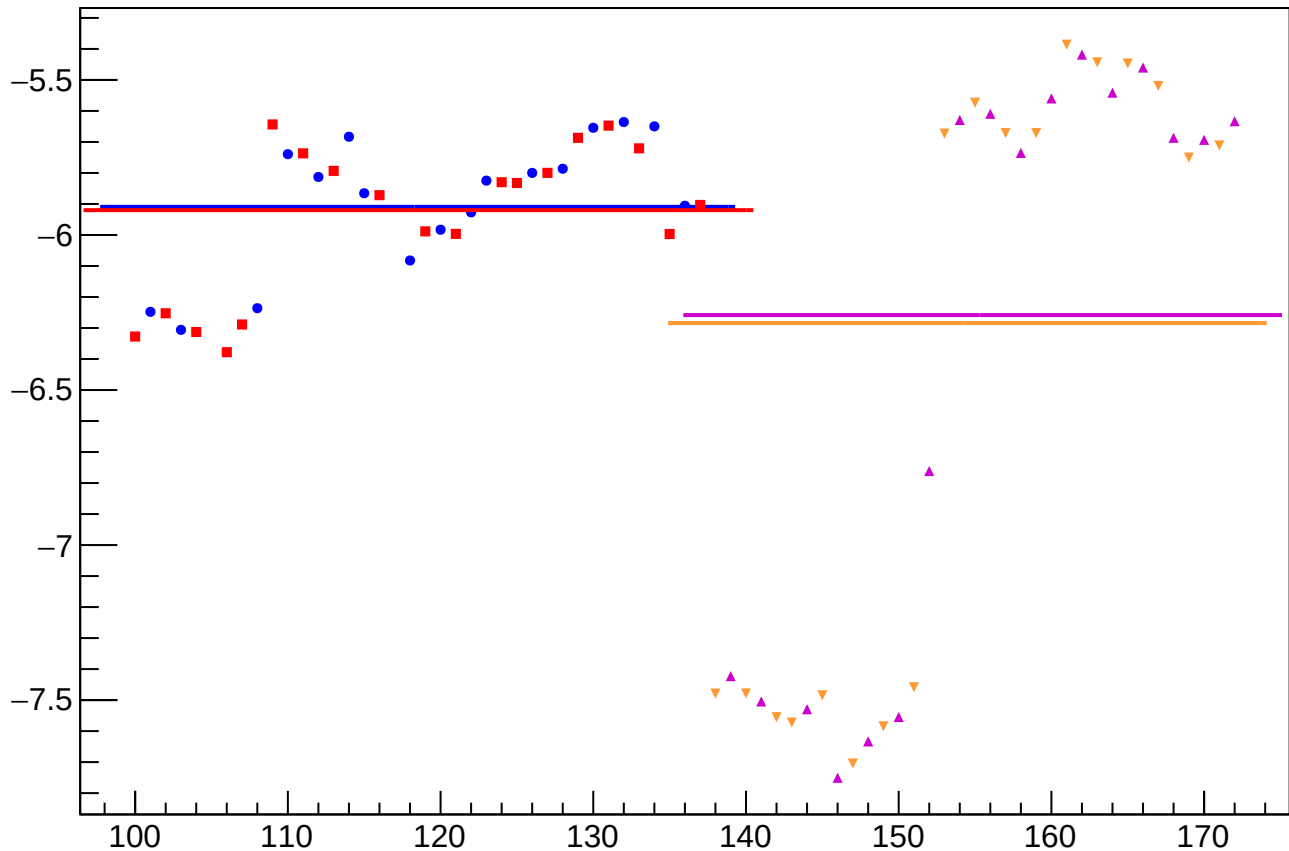
Left In: 0.006+/-0.000 χ^2/NDF : 295331.7/16

+ sign 0.006+/-0.000 χ^2/NDF : 466052.0/34

All: 0.006+/-0.000 χ^2/NDF : 992966.4/70

- 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: -6.284+/-0.000 χ^2/NDF : 167774366680.6/17

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

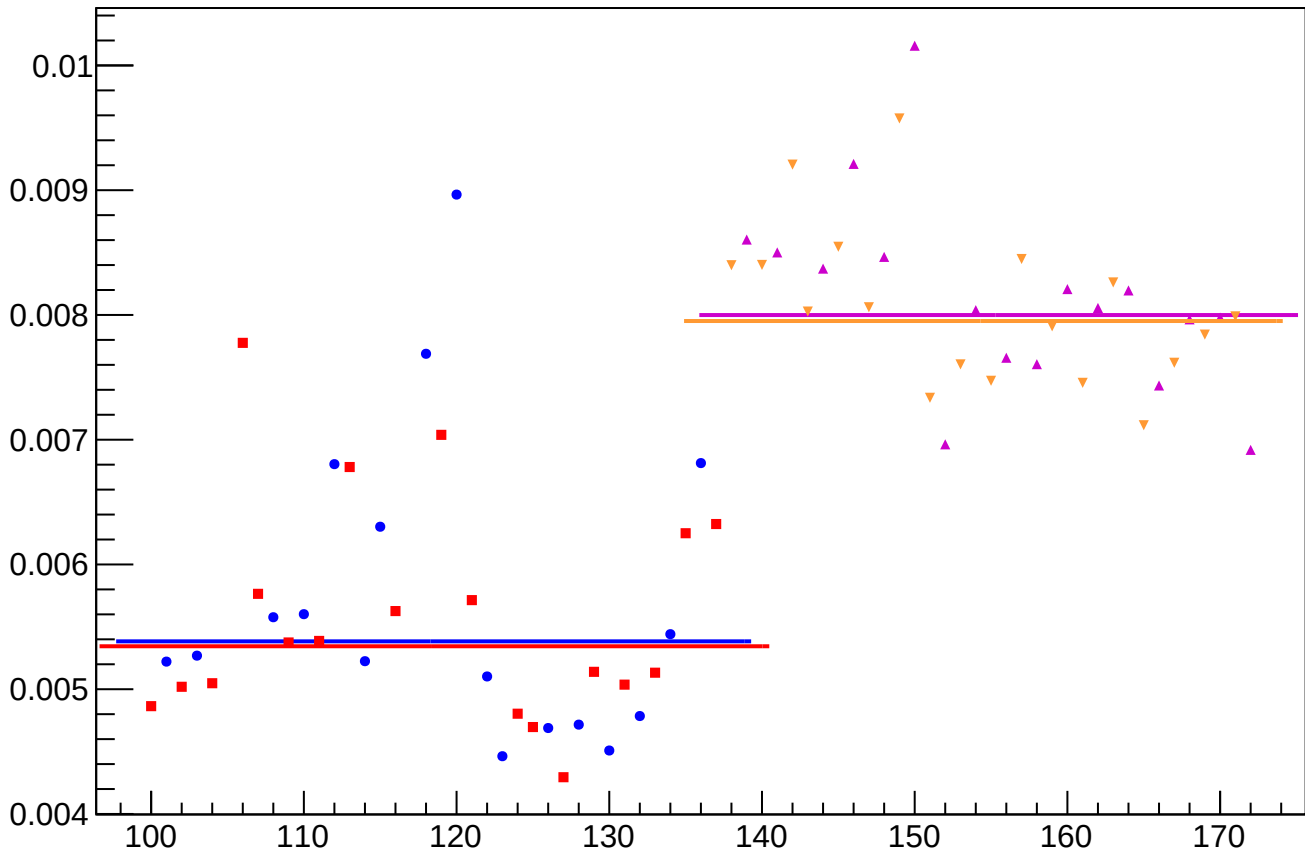
Left In: -6.258+/-0.000 χ^2/NDF : 145772895815.6/16

+ sign -6.090+/-0.000 χ^2/NDF : 192614679197.2/34

All: -6.082+/-0.000 χ^2/NDF : 362846617944.1

- 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 :116162.5/17

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

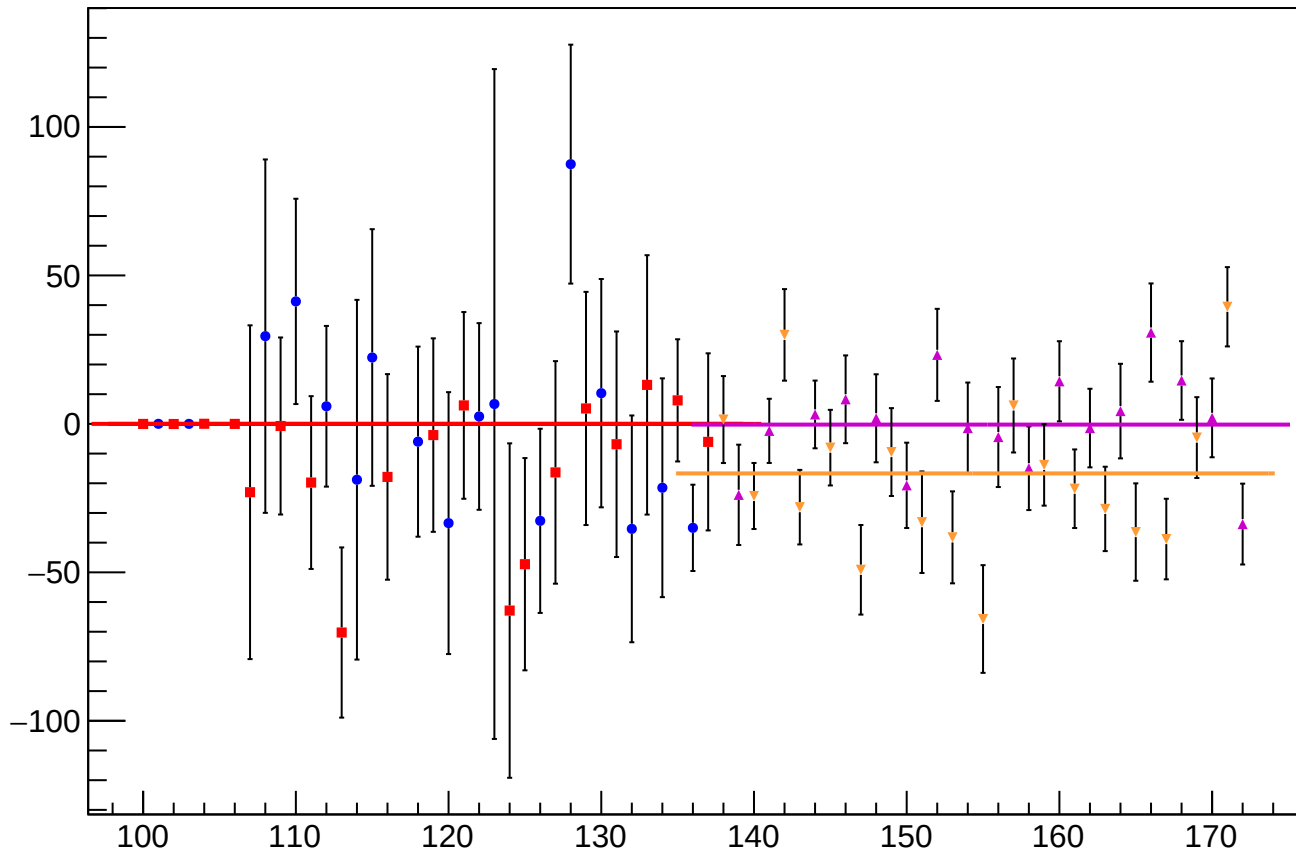
Left In: 0.008+/-0.000 χ^2/NDF :188699.3/16

+ sign 0.007+/-0.000 χ^2/NDF : 1751252.8/34

All: 0.007+/-0.000 χ^2/NDF : 3616550.1/70

- 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: -16.678 ± 3.349 χ^2/NDF : 53.0/17

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.3/18

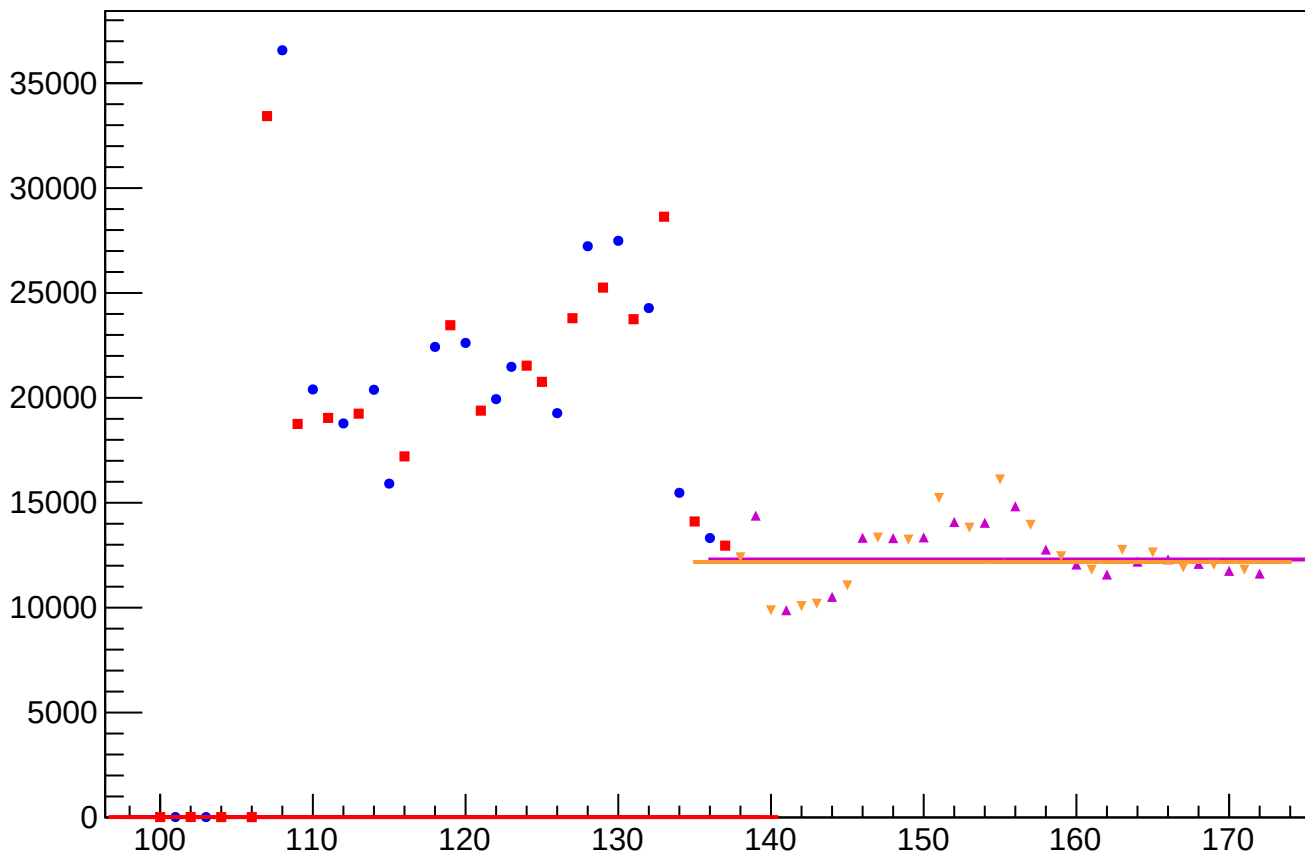
Left In: -0.242 ± 3.405 χ^2/NDF : 20.0/16

+ sign 0.013 ± 0.017 χ^2/NDF : 93.6/34

All: 0.008 ± 0.012 χ^2/NDF : 129.1/70

- sign 0.003 ± 0.016 χ^2/NDF : 35.3/35

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 10841561.4/16

Left Out: 12176.761 $\pm$ 2.368 χ^2 /NDF: 426053.1/17

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11103320.8/18

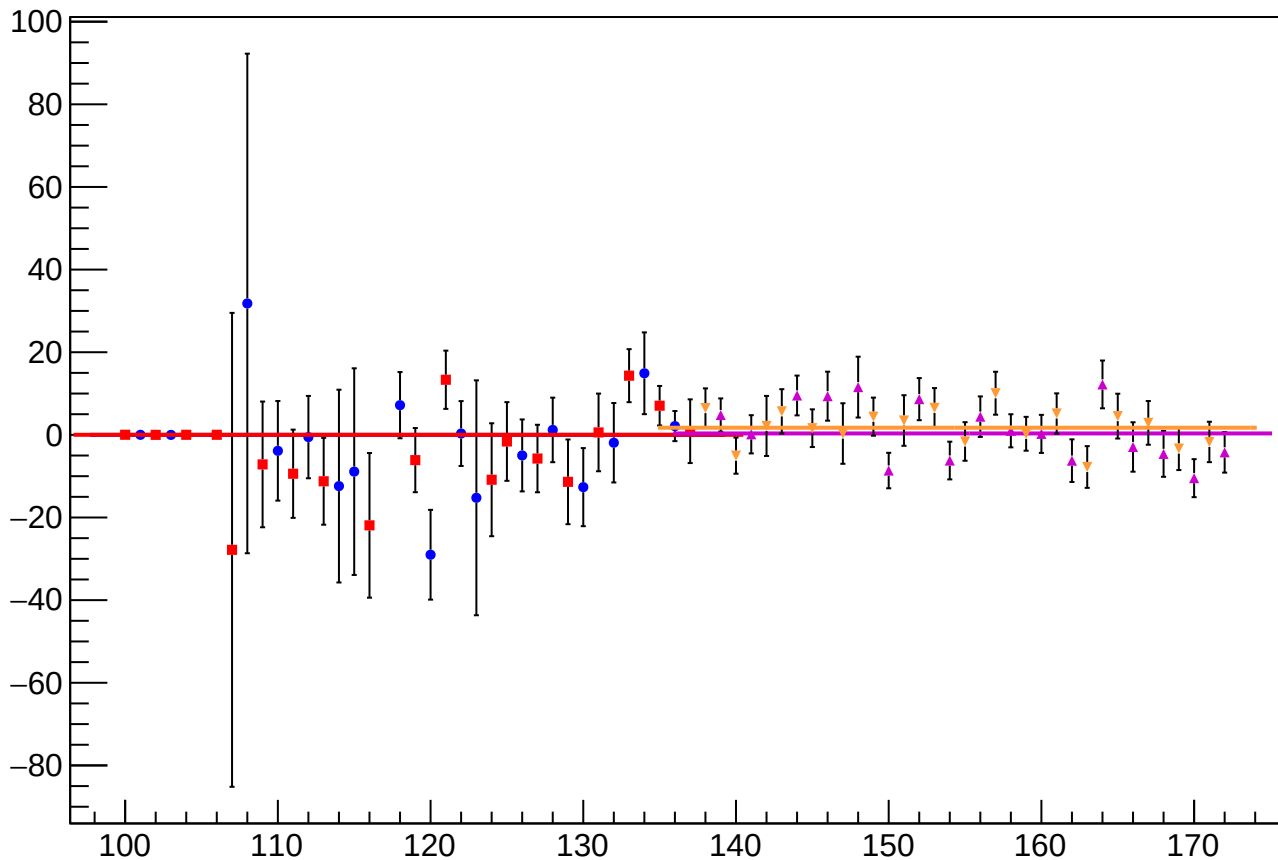
Left In: 12295.973 $\pm$ 2.408 χ^2 /NDF: 325093.7/16

+ sign 18.967 $\pm$ 0.012 χ^2 /NDF: 37631196.8/34

All: 18.761 $\pm$ 0.008 χ^2 /NDF: 75066296.2/70

- sign 18.585 $\pm$ 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: 1.731 $\pm$ 1.190 χ^2 /NDF:14.4/17

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

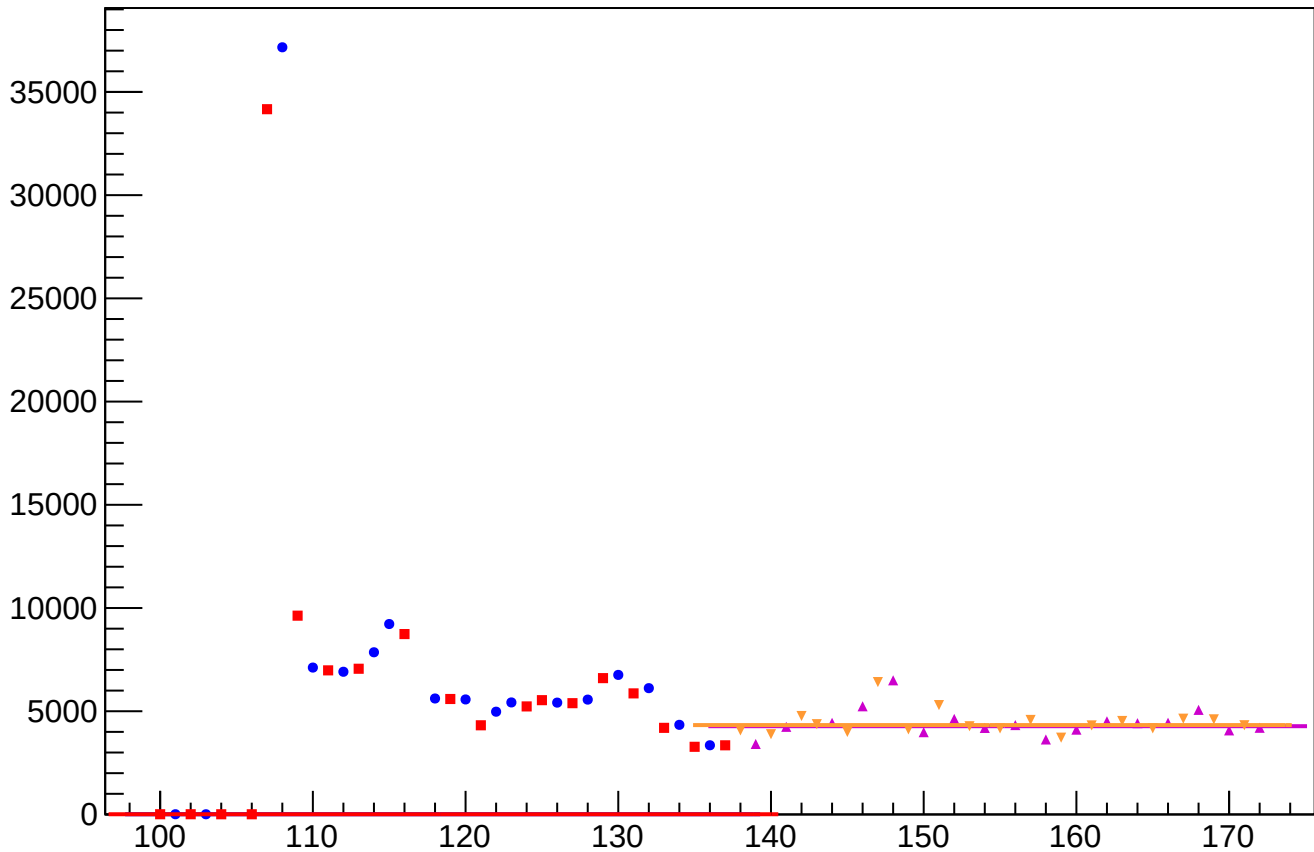
Left In: 0.344 $\pm$ 1.189 χ^2 /NDF:32.7/16

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 31.4/34

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 83.7/70

- 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: 4329.015 $\pm$ 0.841 χ^2 /NDF: 329378.6/17

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11152667.7/18

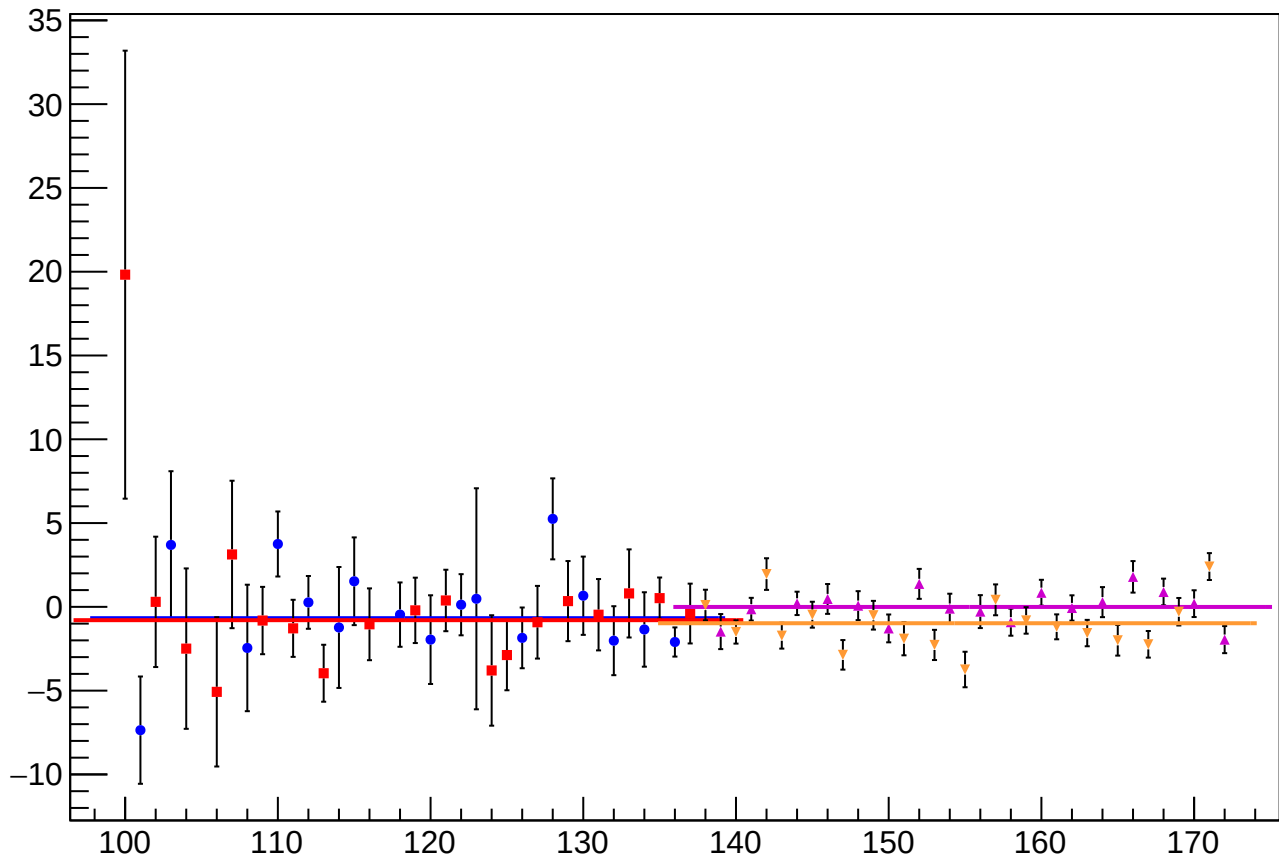
Left In: 4275.594 $\pm$ 0.841 χ^2 /NDF: 454778.1/16

+ sign 10.196 $\pm$ 0.007 χ^2 /NDF: 37664850.0/34

All: 10.135 $\pm$ 0.004 χ^2 /NDF: 75005719.3/70

- 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: -0.978 ± 0.198 χ^2/NDF : 52.8/17

Right Out: -0.795 ± 0.501 χ^2/NDF : 12.0/18

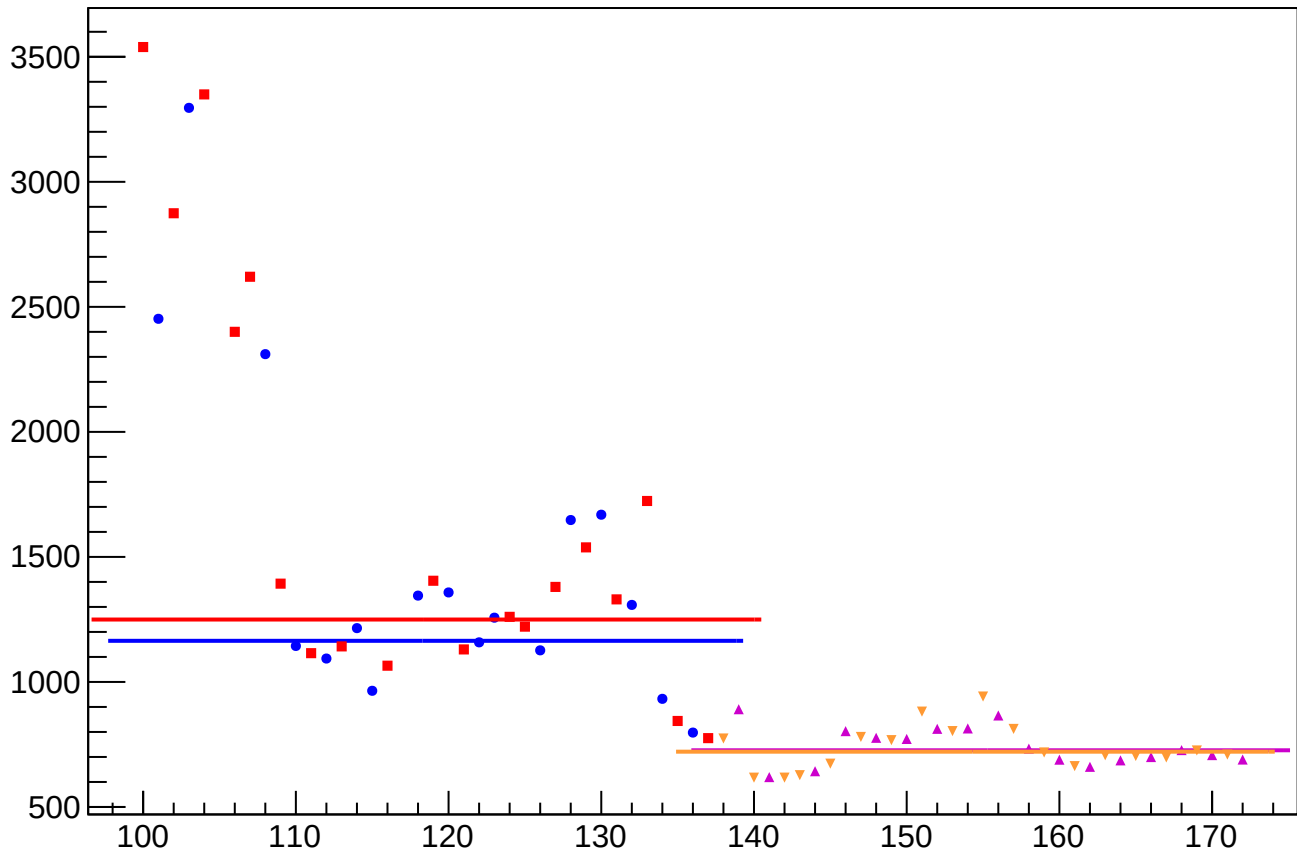
Left In: -0.005 ± 0.201 χ^2/NDF : 20.6/16

+ sign -0.935 ± 0.183 χ^2/NDF : 75.4/34

All: -0.532 ± 0.131 χ^2/NDF : 120.0/70

- 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: 721.147+/-0.140 χ^2/NDF : 318473.1/17

Right Out: 1249.596+/-0.354 χ^2/NDF : 1650133.1/18

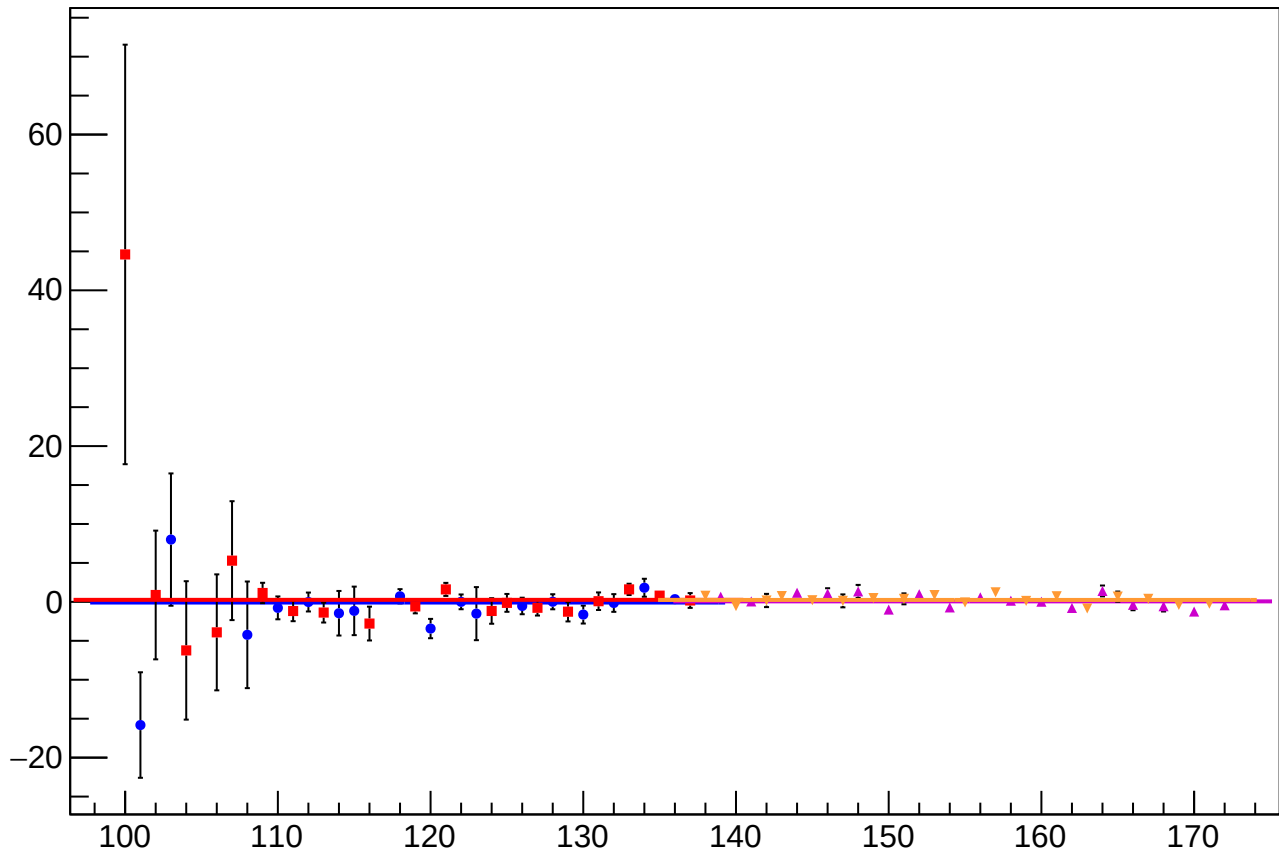
Left In: 726.717+/-0.142 χ^2/NDF : 264893.9/16

+ sign 784.584+/-0.130 χ^2/NDF : 3339639.4/34

All: 791.711+/-0.092 χ^2/NDF : 7135567.0/70

- 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: 0.248 ± 0.143 χ^2/NDF : 14.1/17

Right Out: 0.259 ± 0.264 χ^2/NDF : 20.4/18

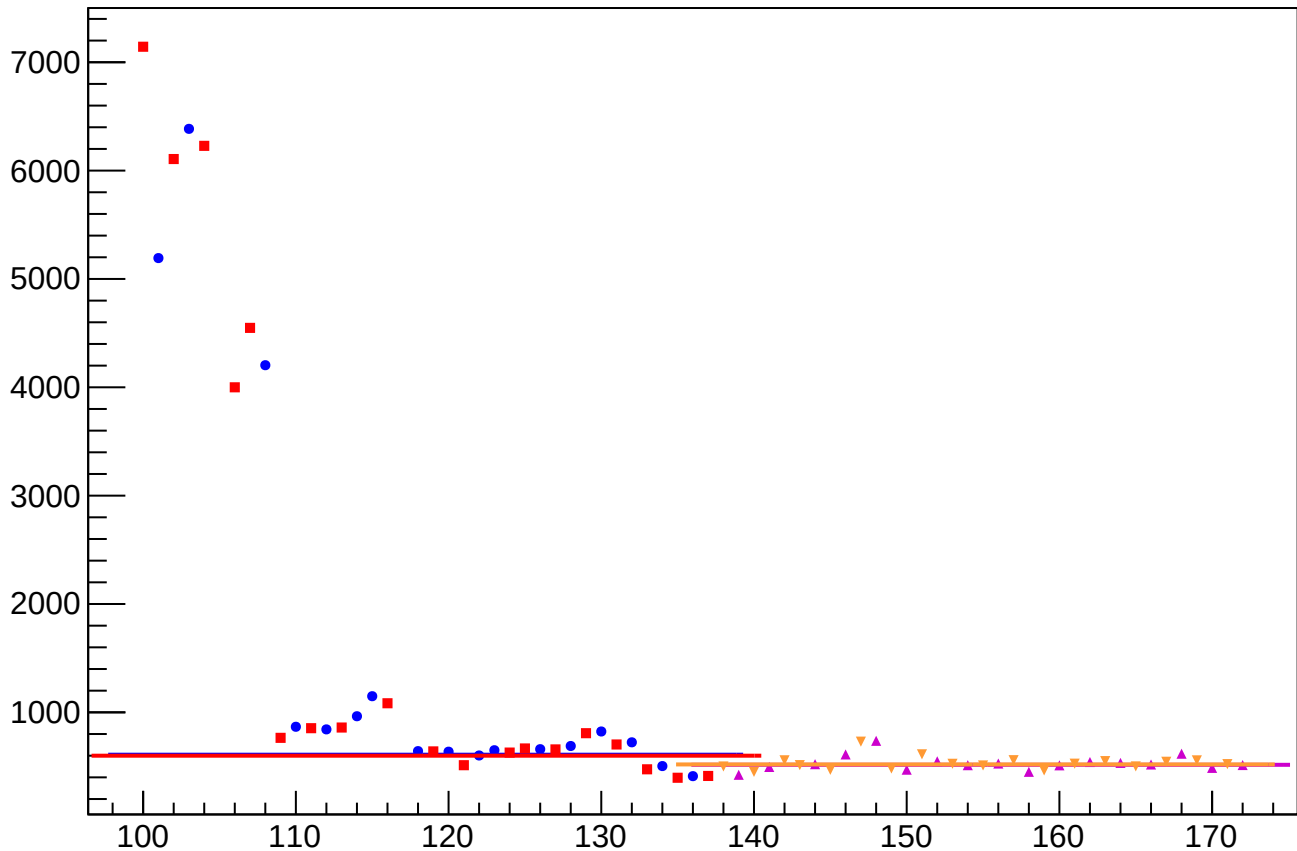
Left In: 0.064 ± 0.143 χ^2/NDF : 32.2/16

+ sign 0.175 ± 0.126 χ^2/NDF : 36.3/34

All: 0.142 ± 0.089 χ^2/NDF : 89.5/70

- 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: 519.275 $\pm$ 0.101 χ^2 /NDF:282185.9/17

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

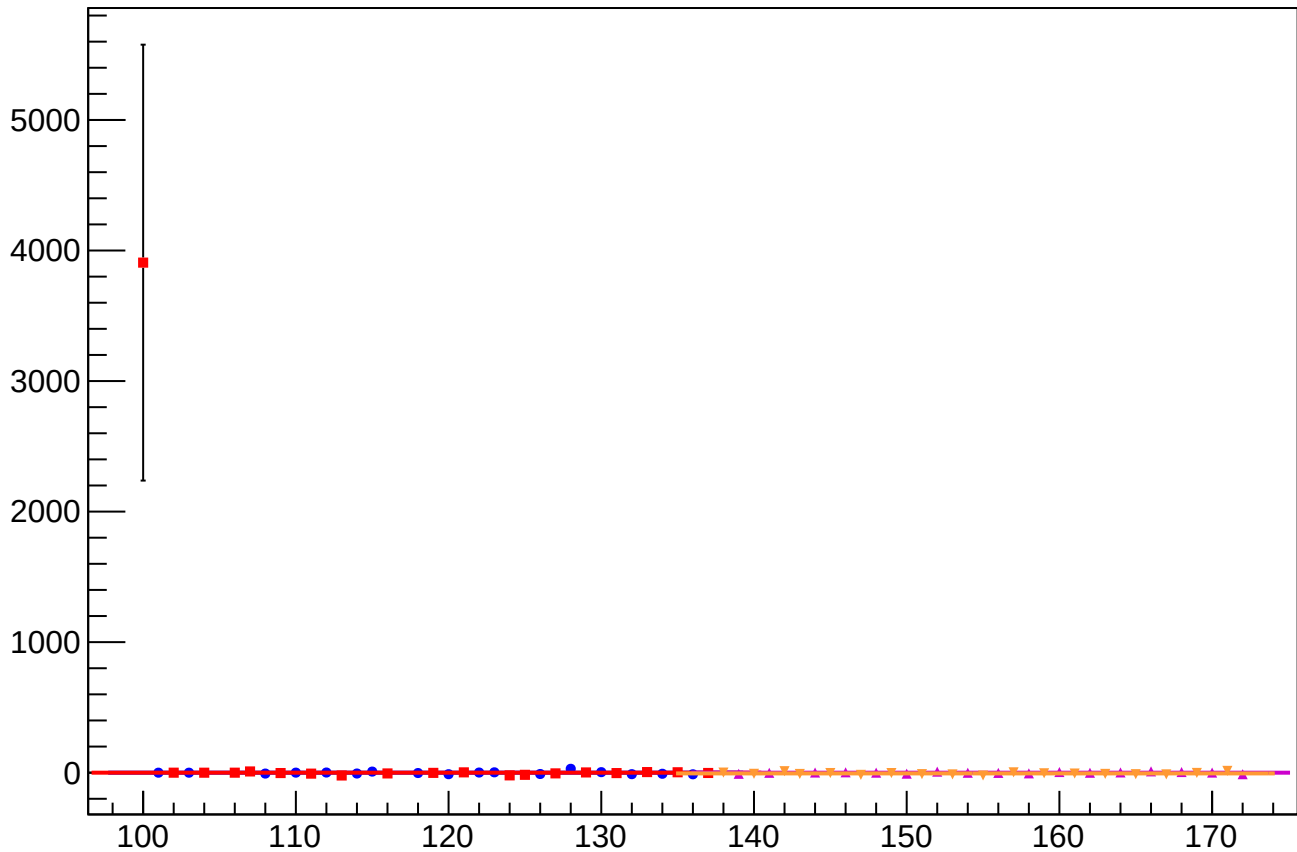
Left In: 515.752 $\pm$ 0.101 χ^2 /NDF:362406.1/16

+ sign 538.810 $\pm$ 0.089 χ^2 /NDF: 3594070.2/34

All: 536.820 $\pm$ 0.063 χ^2 /NDF: 7661828.7/70

- 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: -5.643 ± 1.152 χ^2/NDF : 52.6/17

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.3/18

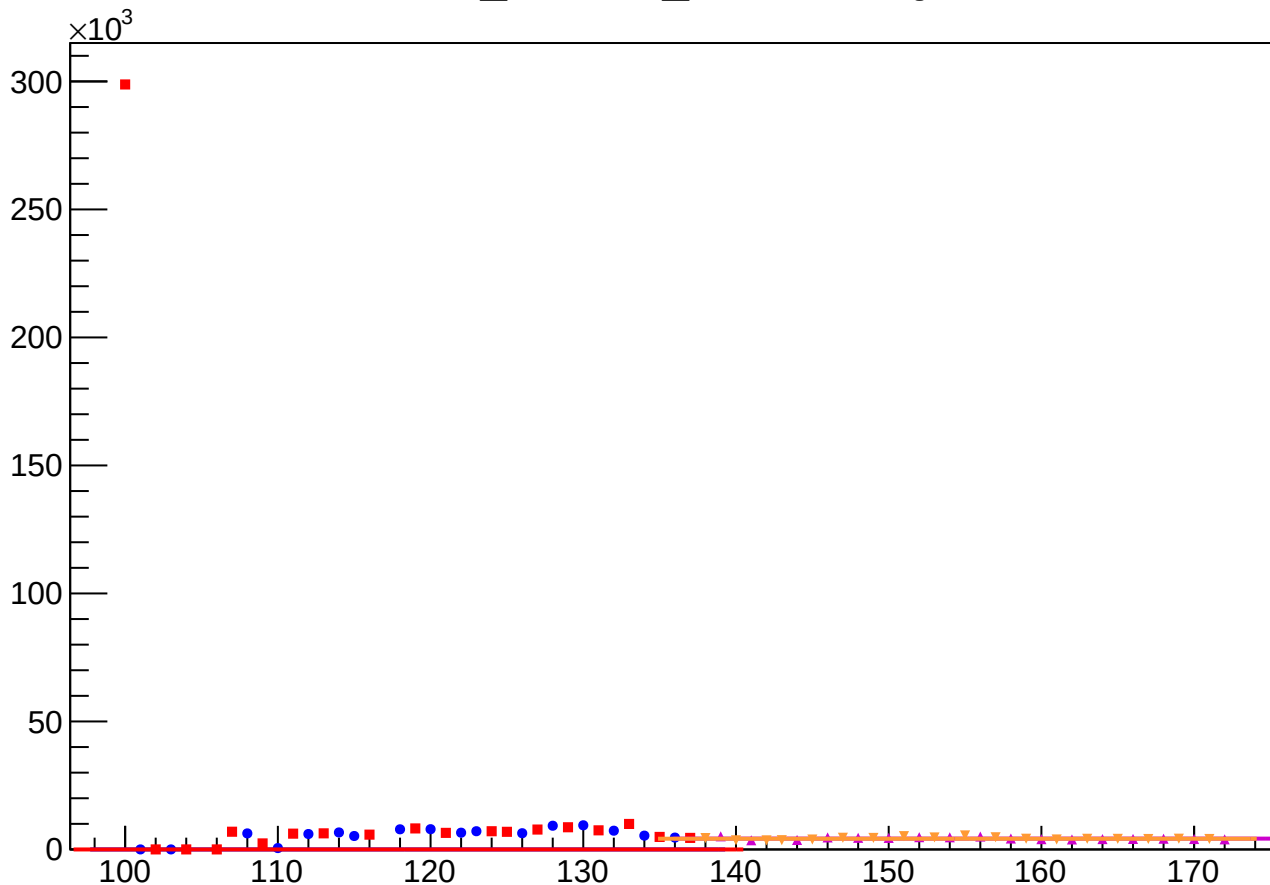
Left In: -0.072 ± 1.171 χ^2/NDF : 20.7/16

+ sign -0.023 ± 0.021 χ^2/NDF : 91.7/34

All: -0.025 ± 0.014 χ^2/NDF : 129.7/70

- 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: 4197.492 ± 0.815 χ^2/NDF : 336670.8/17

Right Out: 17.268 ± 0.014 χ^2/NDF : 10813350.8/18

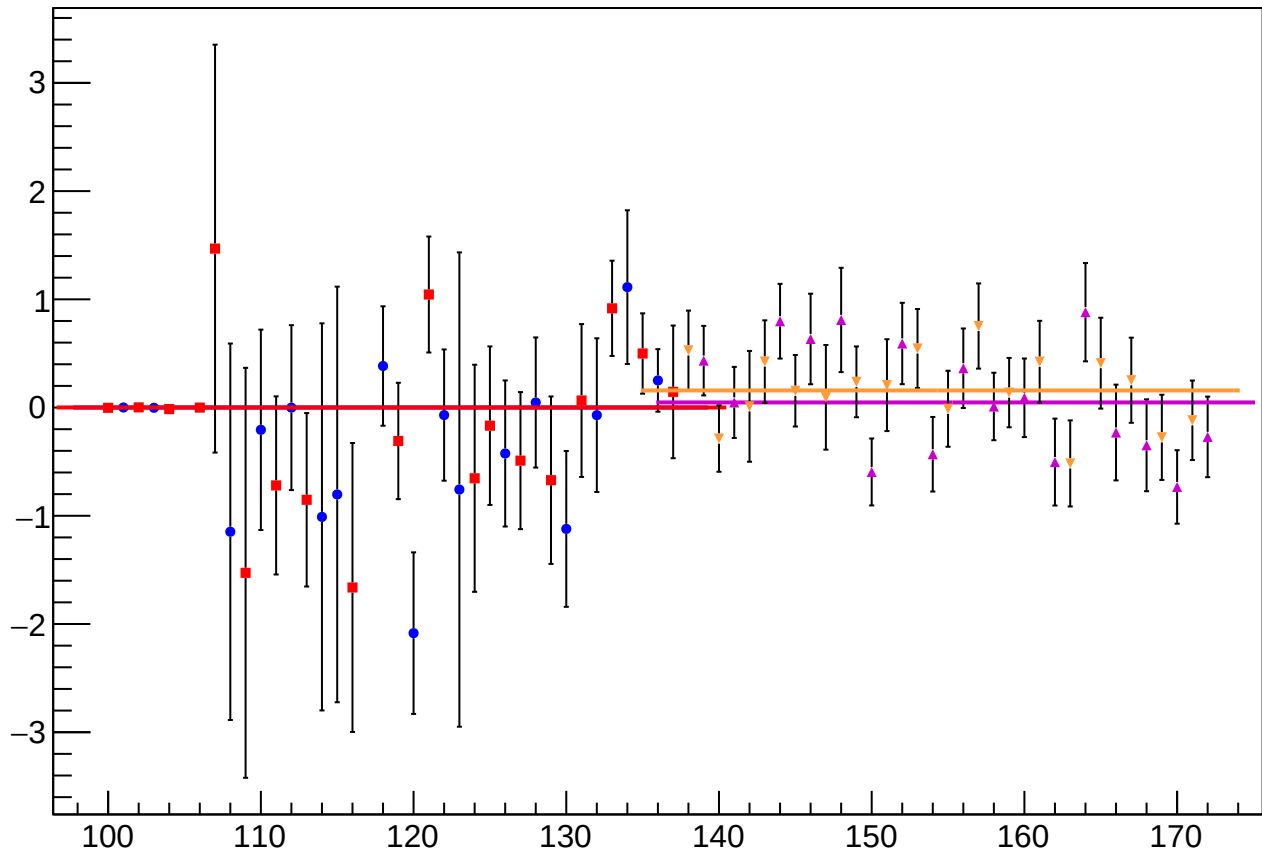
Left In: 4232.923 ± 0.828 χ^2/NDF : 273011.9/16

+ sign 18.698 ± 0.015 χ^2/NDF : 37020376.7/34

All: 18.579 ± 0.010 χ^2/NDF : 74036789.8/70

- 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: 0.158 ± 0.088 χ^2/NDF : 13.0/17

Right Out: 0.001 ± 0.002 χ^2/NDF : 17.8/18

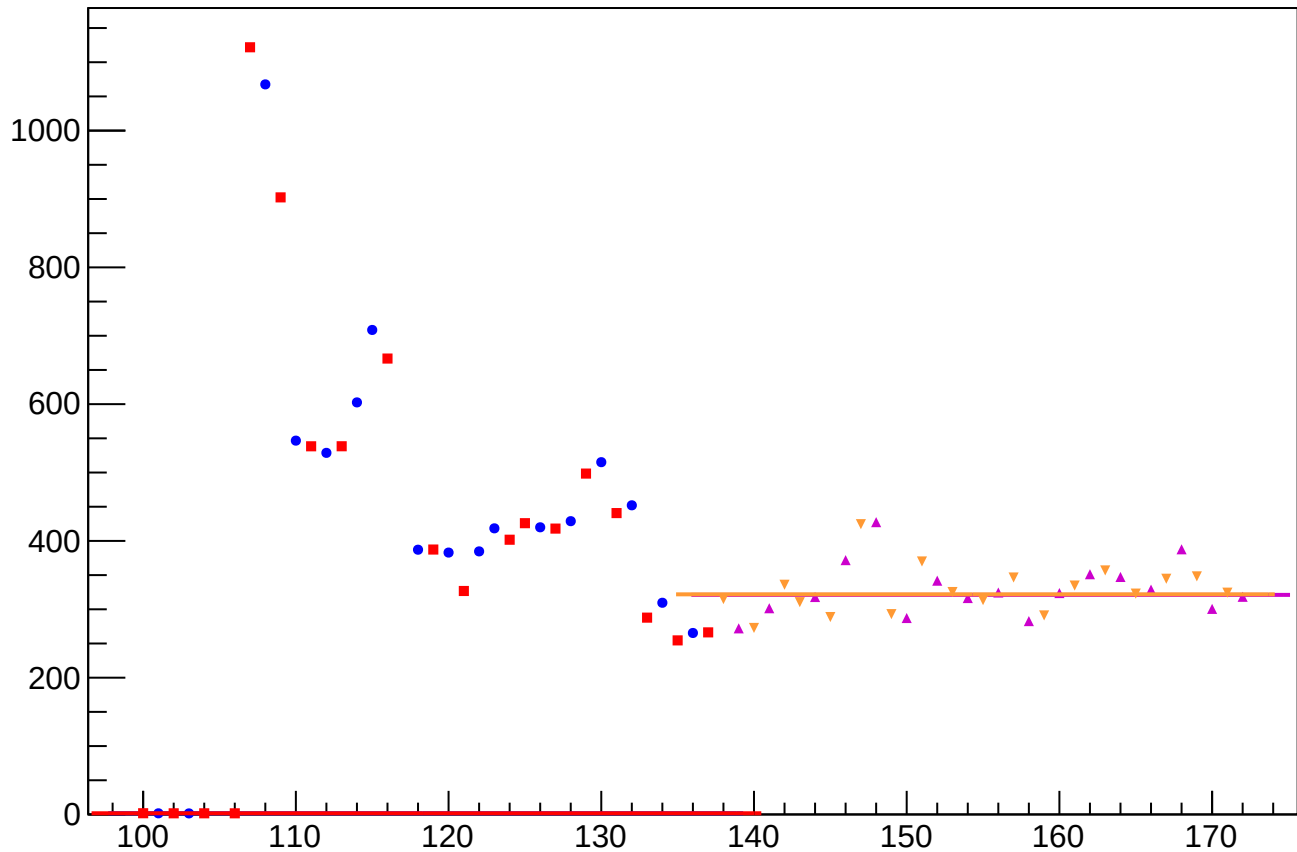
Left In: 0.047 ± 0.089 χ^2/NDF : 32.3/16

+ sign 0.000 ± 0.002 χ^2/NDF : 31.8/34

All: 0.001 ± 0.001 χ^2/NDF : 82.2/70

- 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: 321.878 $\pm$ 0.062 χ^2 /NDF: 268125.6/17

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

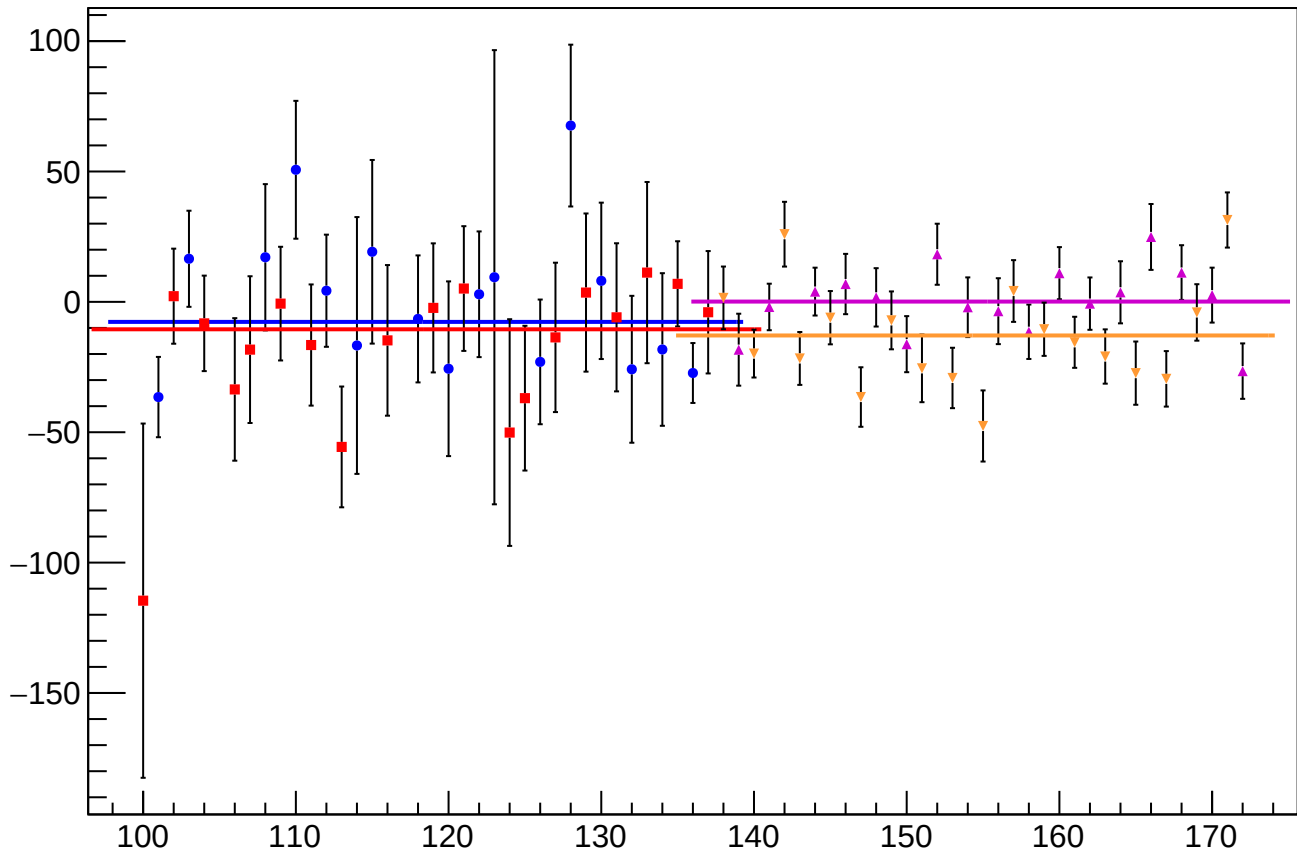
Left In: 321.083 $\pm$ 0.063 χ^2 /NDF: 316706.8/16

+ sign 1.867 $\pm$ 0.001 χ^2 /NDF: 37459392.6/34

All: 1.874 $\pm$ 0.001 χ^2 /NDF: 74243439.8/70

- 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: -12.889 ± 2.594 χ^2/NDF : 51.8/17

Right Out: -10.524 ± 5.682 χ^2/NDF : 11.9/18

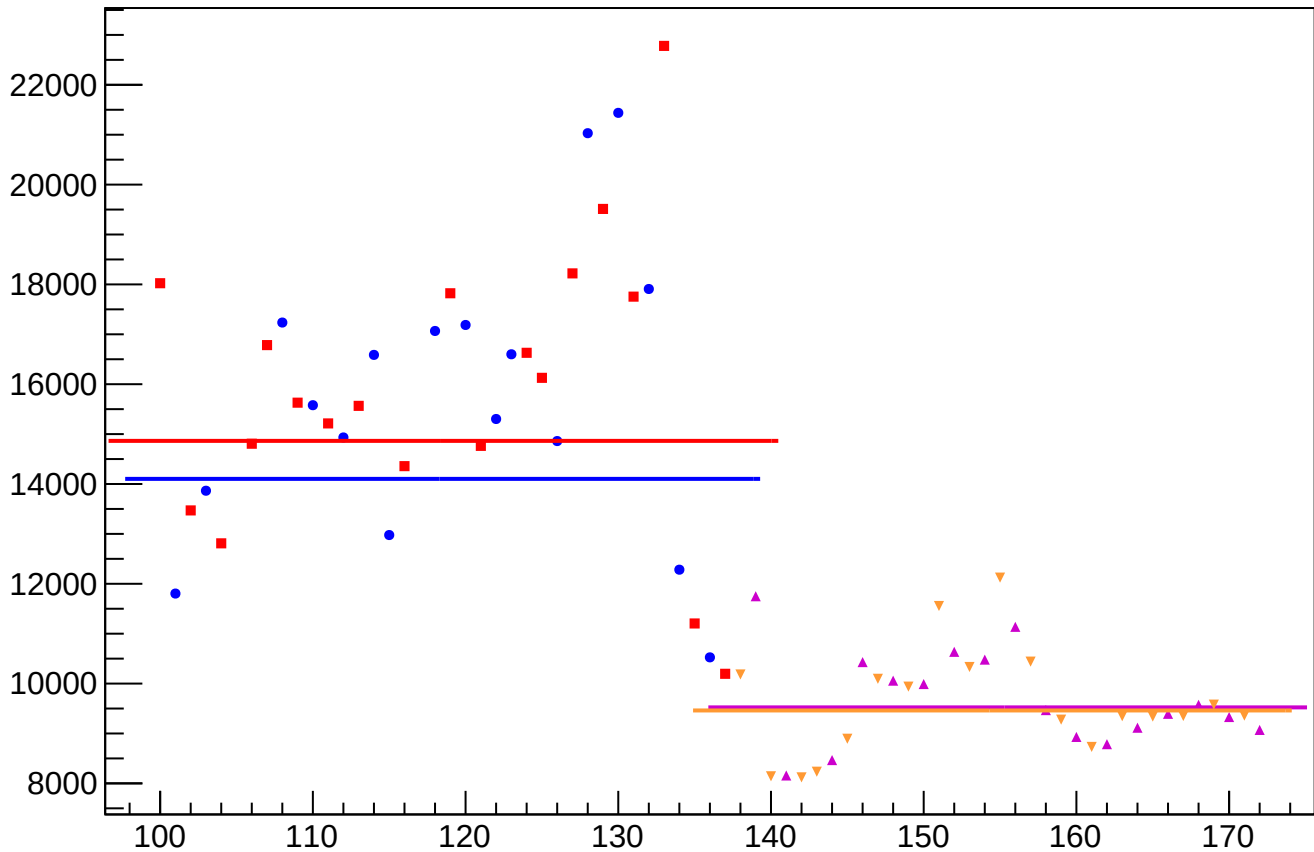
Left In: 0.108 ± 2.632 χ^2/NDF : 21.0/16

+ sign -11.977 ± 2.356 χ^2/NDF : 74.9/34

All: -6.943 ± 1.677 χ^2/NDF : 119.9/70

- 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: 9461.404+/-1.834 χ^2/NDF : 283357.9/17

Right Out: 14864.163+/-4.018 χ^2/NDF : 470280.3/18

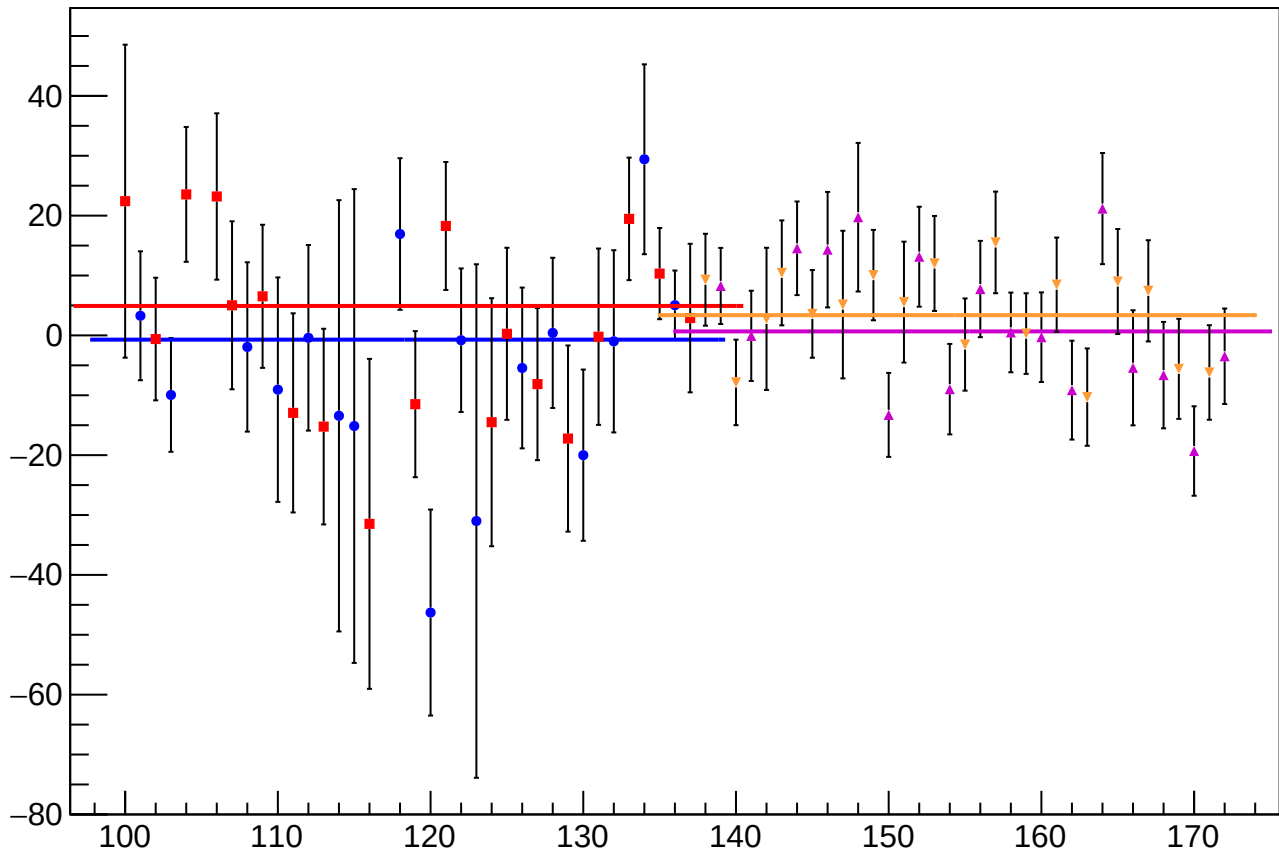
Left In: 9522.910+/-1.861 χ^2/NDF : 235583.3/16

+ sign 10274.746+/-1.666 χ^2/NDF : 2004344.2/34

All: 10369.221+/-1.186 χ^2/NDF : 4171766.4/7

- 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: 3.383 ± 1.937 χ^2/NDF : 14.9/17

Right Out: 4.918 ± 2.940 χ^2/NDF : 19.8/18

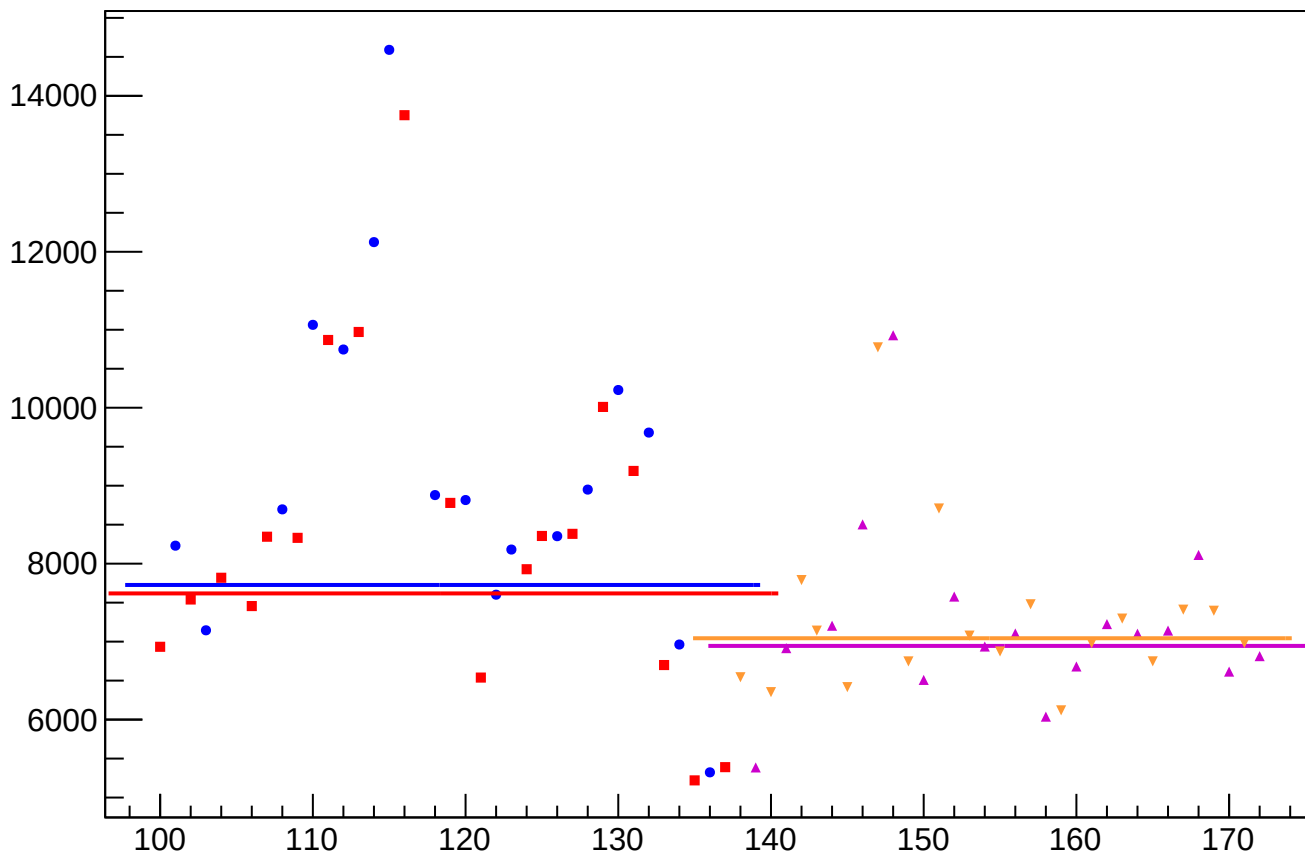
Left In: 0.667 ± 1.933 χ^2/NDF : 32.4/16

+ sign 2.226 ± 1.640 χ^2/NDF : 33.8/34

All: 2.086 ± 1.151 χ^2/NDF : 87.4/70

- sign 1.950 ± 1.615 χ^2/NDF : 53.6/35

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7043.233 $\pm$ 1.369 χ^2 /NDF: 346606.0/17

Right Out: 7618.206 $\pm$ 2.079 χ^2 /NDF: 675125.4/18

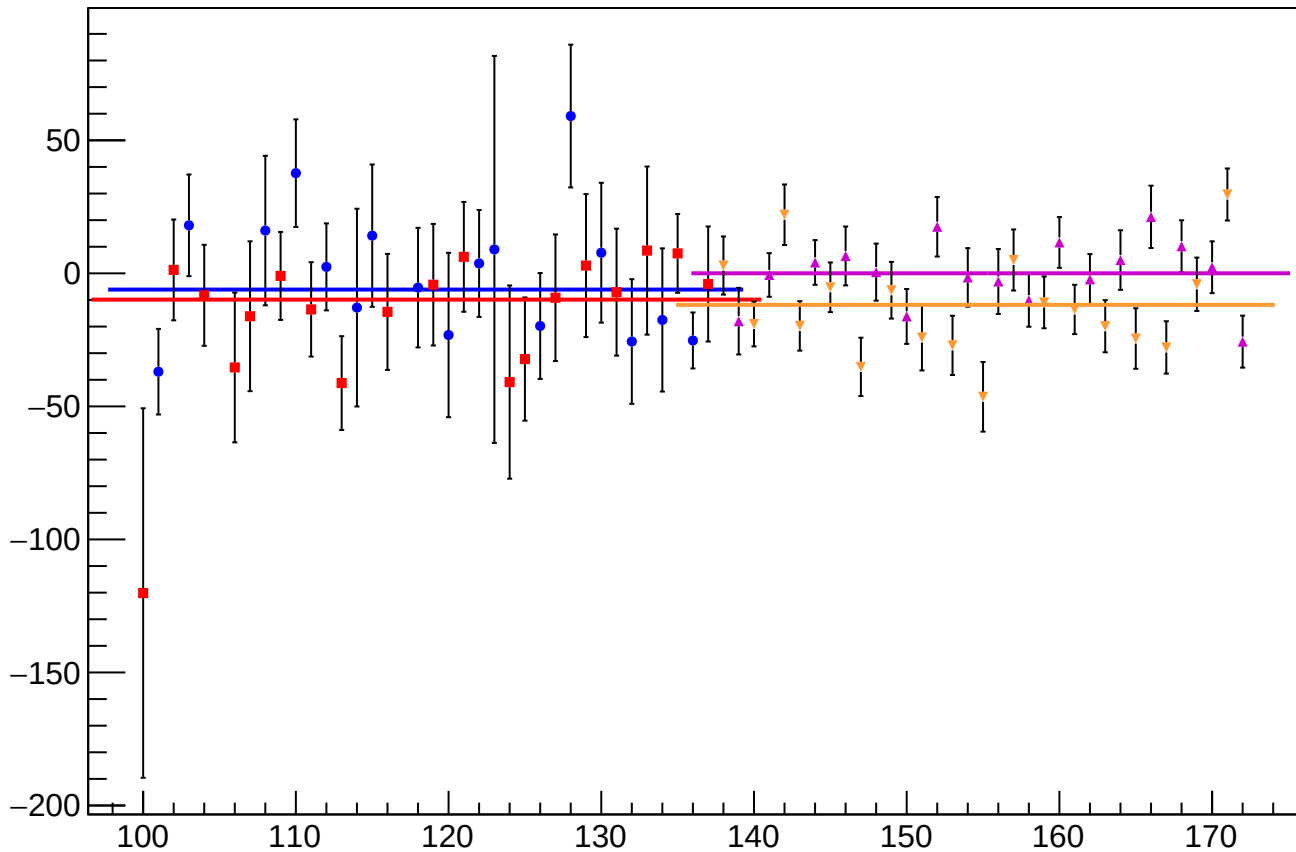
Left In: 6945.091 $\pm$ 1.367 χ^2 /NDF: 483223.7/16

+ sign 7236.574 $\pm$ 1.160 χ^2 /NDF: 1159593.4/34

All: 7191.789 $\pm$ 0.814 χ^2 /NDF: 2394084.7/70

- sign 7148.342 $\pm$ 1.142 χ^2 /NDF: 1231552.8/35

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -11.839 ± 2.429 χ^2/NDF : 52.6/17

Right Out: -9.864 ± 5.004 χ^2/NDF : 11.6/18

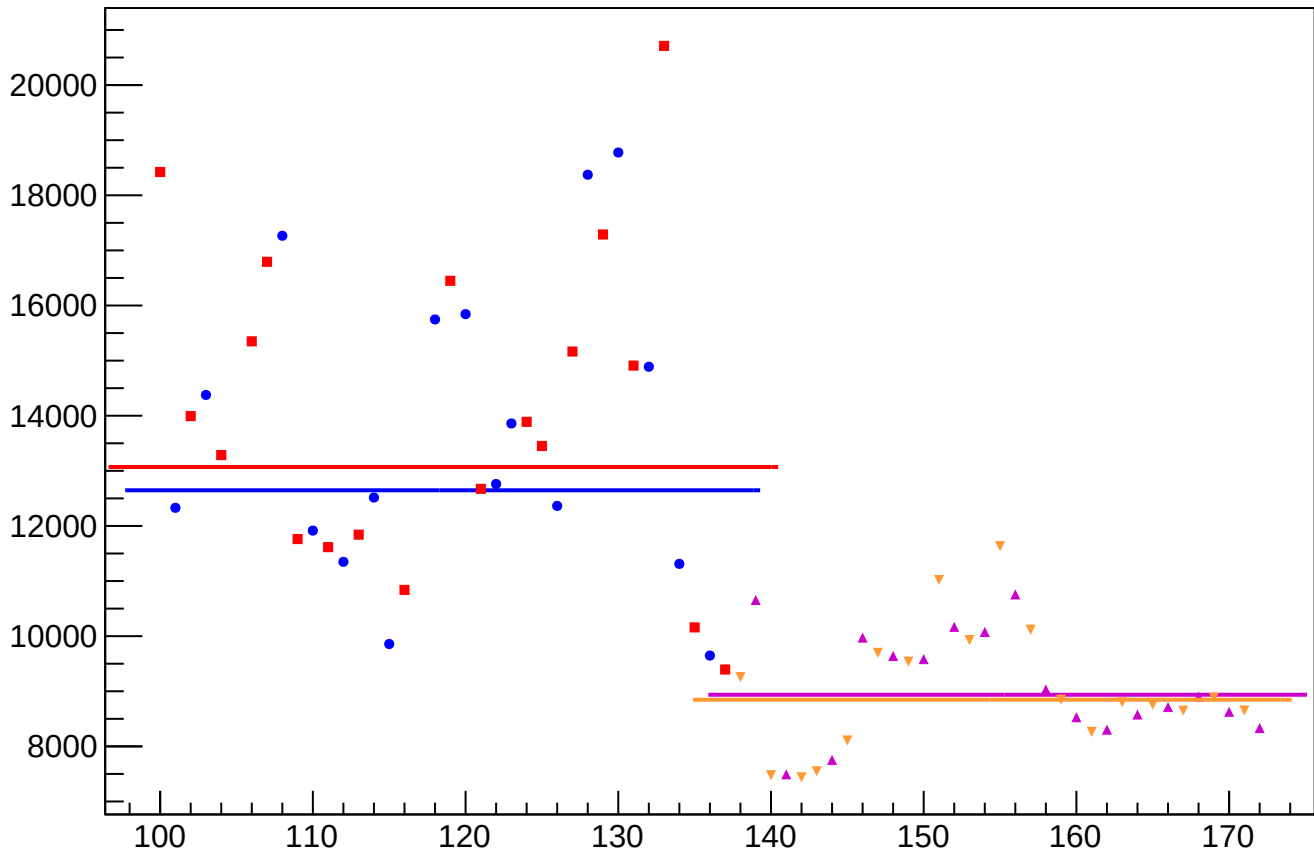
Left In: 0.022 ± 2.472 χ^2/NDF : 21.8/16

+ sign -10.753 ± 2.188 χ^2/NDF : 76.5/34

All: -6.393 ± 1.557 χ^2/NDF : 121.1/70

- sign -1.918 ± 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: 8846.872+/-1.718 χ^2/NDF : 363962.5/17

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

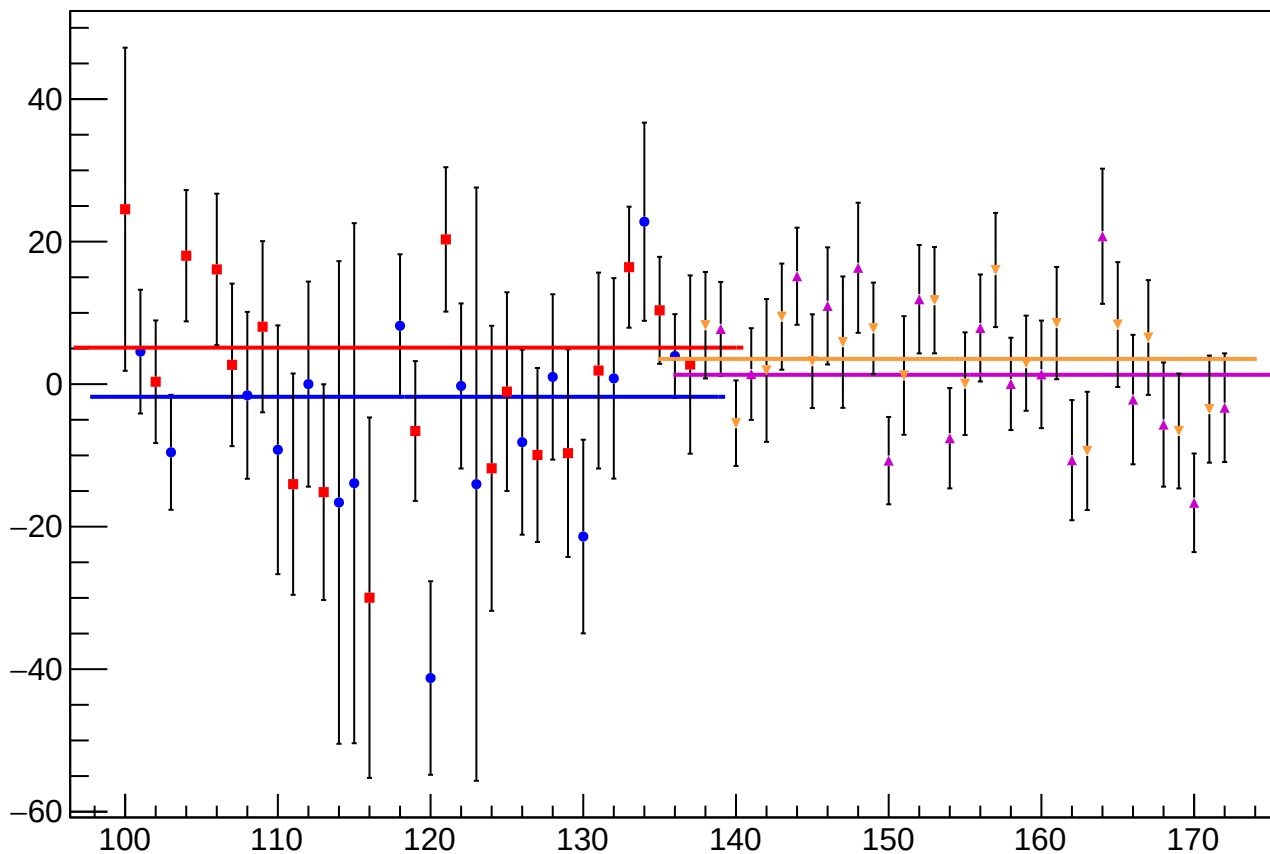
Left In: 8936.801+/-1.748 χ^2/NDF : 288950.8/16

+ sign 9564.836+/-1.547 χ^2/NDF : 1842930.3/34

All: 9655.139+/-1.101 χ^2/NDF : 3731970.4/70

- 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: 3.541 ± 1.783 χ^2/NDF : 13.5/17

Right Out: 5.122 ± 2.642 χ^2/NDF : 18.9/18

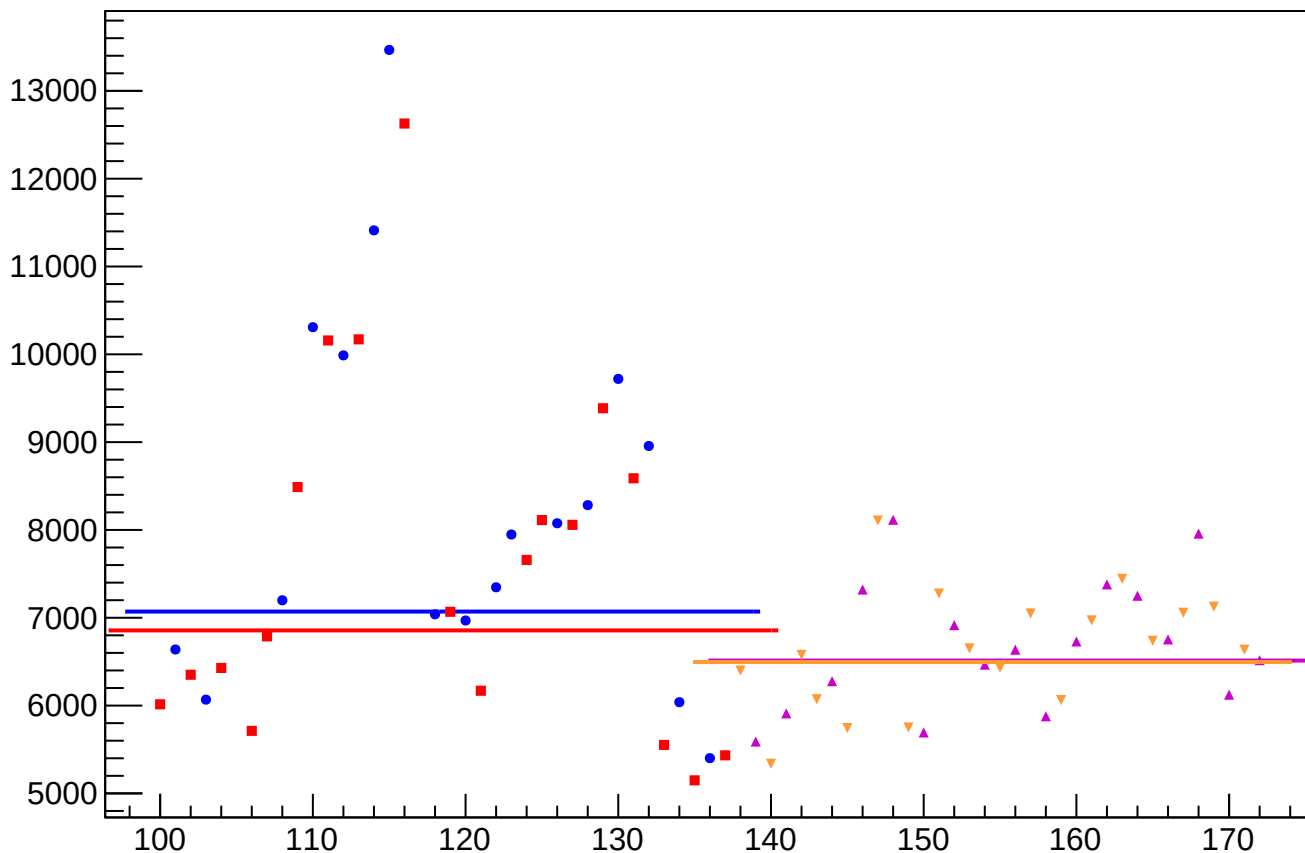
Left In: 1.314 ± 1.804 χ^2/NDF : 31.5/16

+ sign 2.012 ± 1.505 χ^2/NDF : 34.1/34

All: 2.271 ± 1.059 χ^2/NDF : 85.9/70

- 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: 6495.684 $\pm$ 1.261 χ^2 /NDF: 289605.5/17

Right Out: 6856.136 $\pm$ 1.868 χ^2 /NDF: 682220.3/18

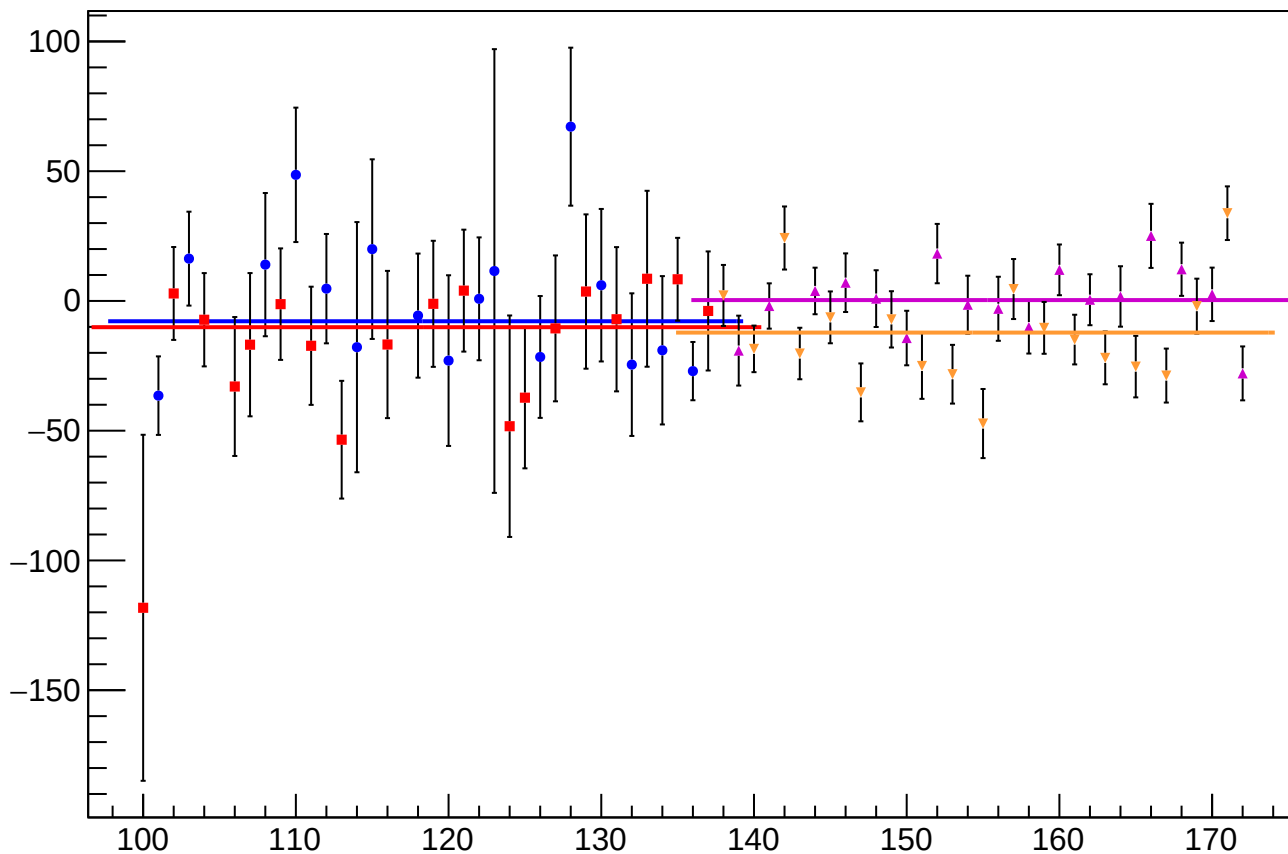
Left In: 6512.585 $\pm$ 1.276 χ^2 /NDF: 298657.5/16

+ sign 6661.022 $\pm$ 1.064 χ^2 /NDF: 951129.2/34

All: 6641.254 $\pm$ 0.749 χ^2 /NDF: 1955753.2/70

- 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: -12.195 ± 2.536 χ^2/NDF : 54.1/17

Right Out: -10.117 ± 5.571 χ^2/NDF : 12.2/18

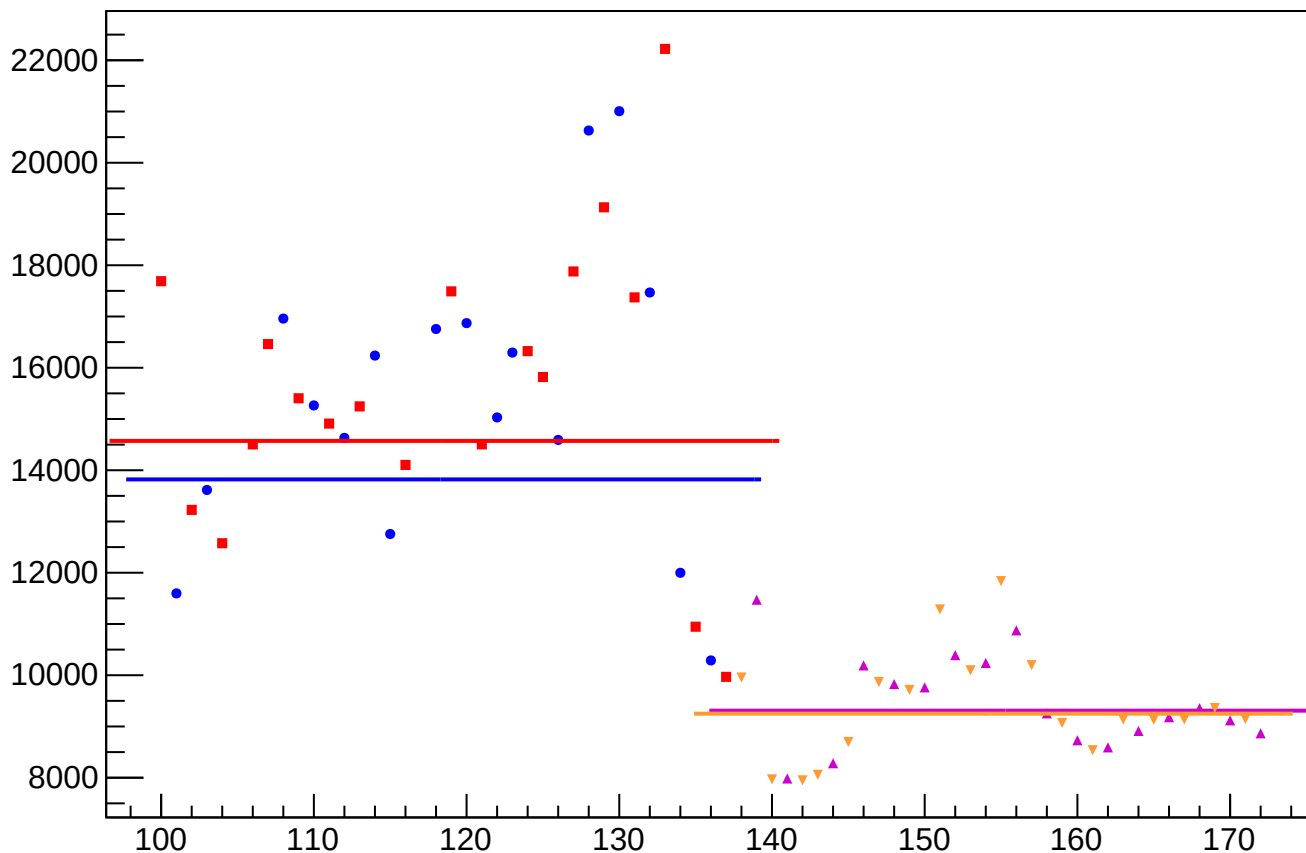
Left In: 0.331 ± 2.572 χ^2/NDF : 22.4/16

+ sign -11.432 ± 2.304 χ^2/NDF : 76.8/34

All: -6.536 ± 1.640 χ^2/NDF : 123.5/70

- 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: 9249.759+/-1.793 χ^2/NDF :280149.5/17

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

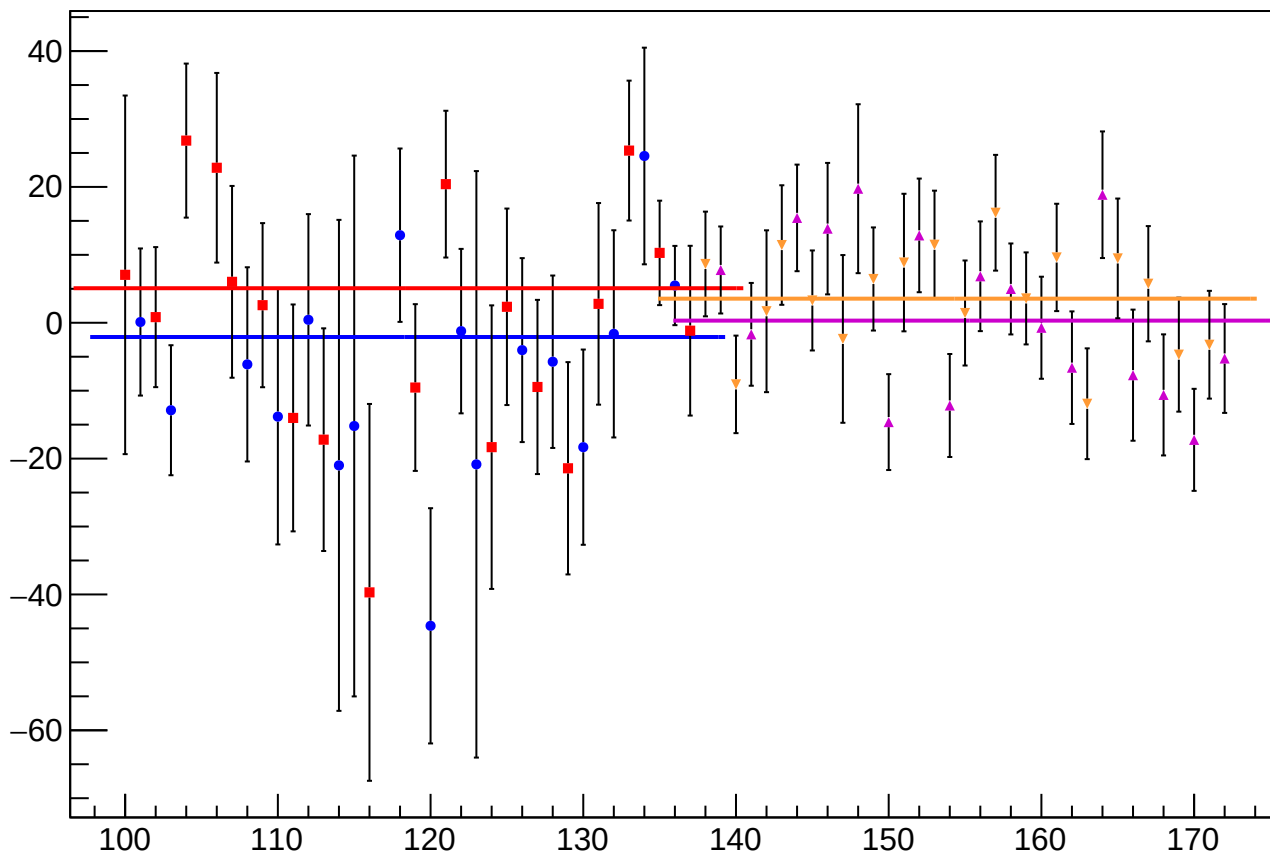
Left In: 9308.914+/-1.819 χ^2/NDF :232839.4/16

+ sign 10047.299+/-1.629 χ^2/NDF : 2016950.9/34

All: 10139.331+/-1.160 χ^2/NDF : 4200219.2/7

- sign 10233.907+/-1.651 χ^2/NDF : 2176797.1/35

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 3.549 ± 1.945 χ^2/NDF : 14.7/17

Right Out: 5.085 ± 2.962 χ^2/NDF : 24.8/18

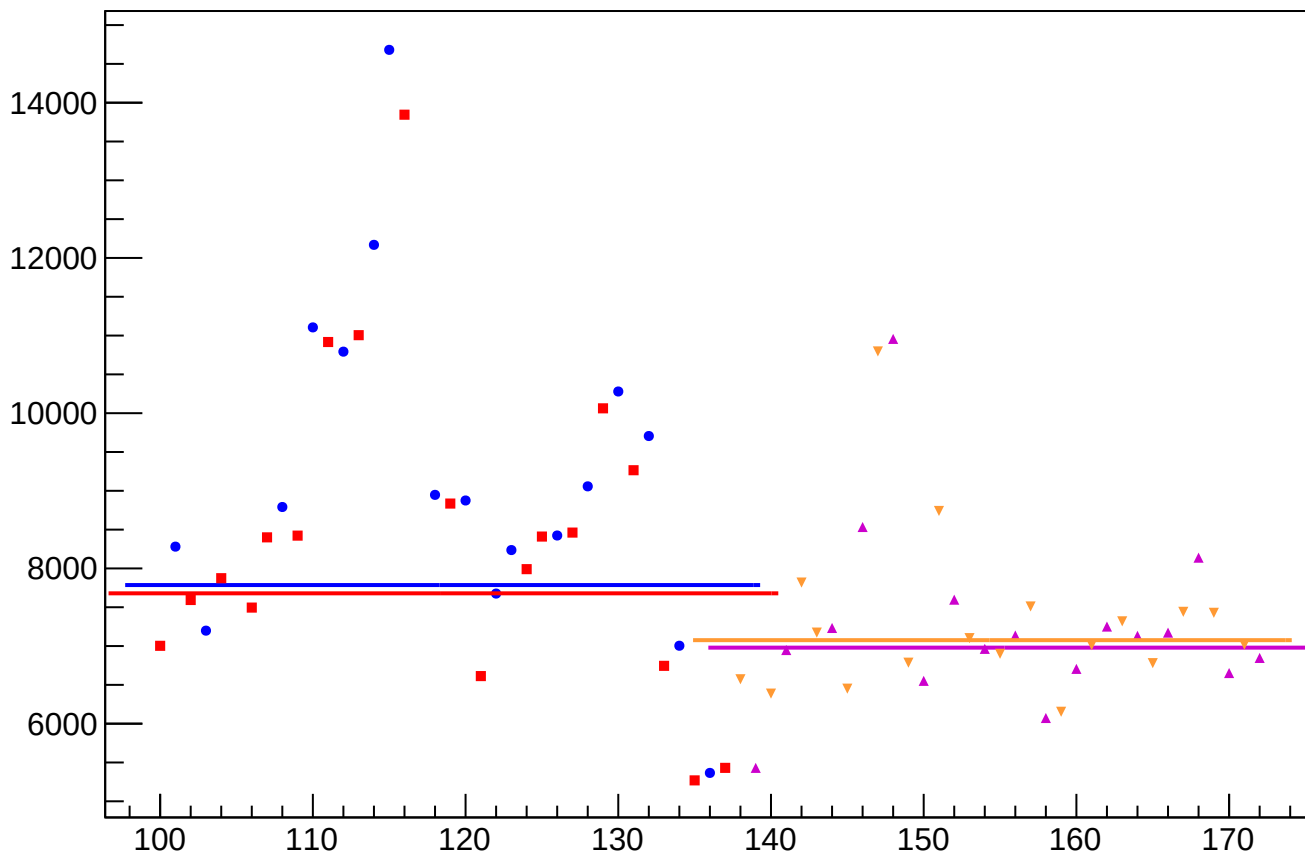
Left In: 0.316 ± 1.942 χ^2/NDF : 32.9/16

+ sign 1.959 ± 1.649 χ^2/NDF : 32.7/34

All: 1.853 ± 1.157 χ^2/NDF : 92.2/70

- sign 1.750 ± 1.624 χ^2/NDF : 59.5/35

diff_bpm4acY_rms vs Slug



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7075.868 $\pm$ 1.375 χ^2 /NDF:342679.0/17

Right Out: 7679.182 $\pm$ 2.095 χ^2 /NDF: 668736.8/18

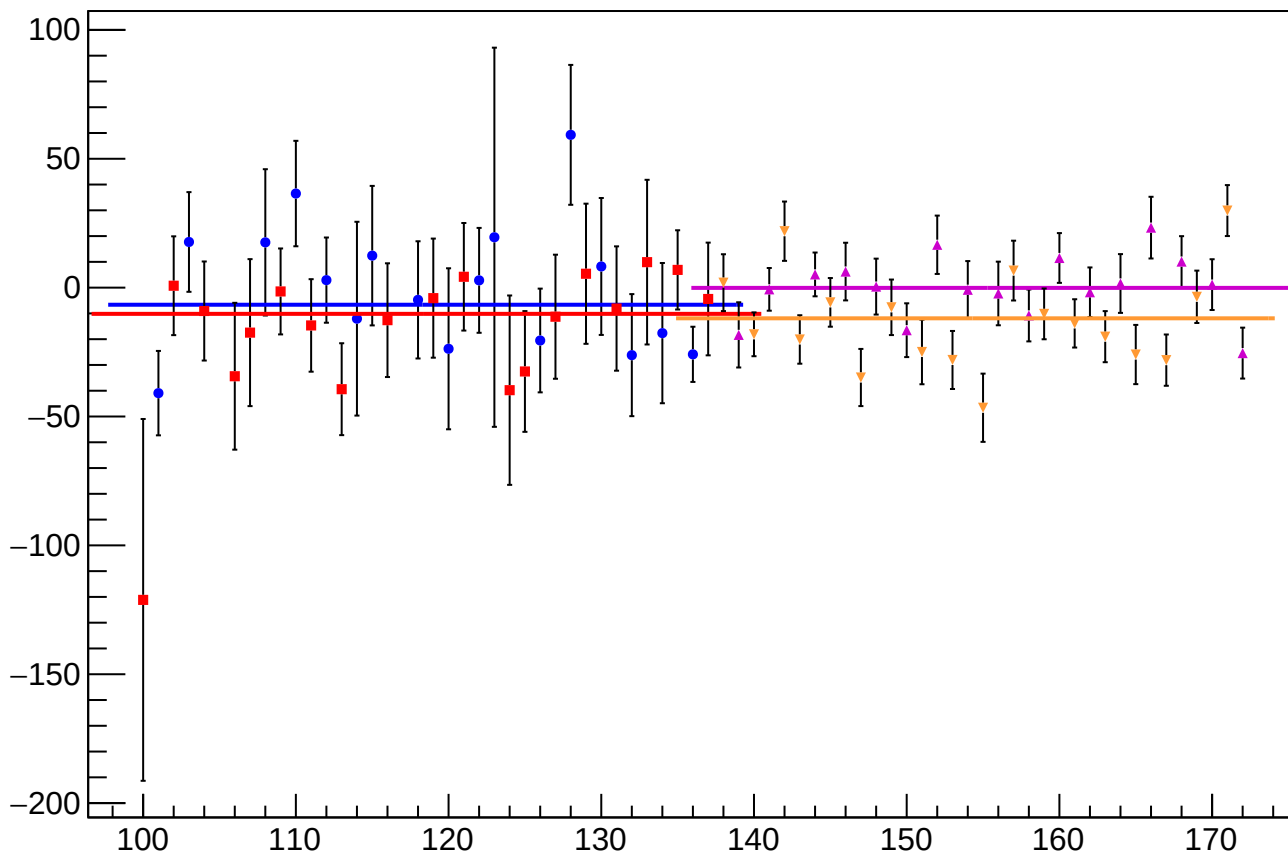
Left In: 6979.454 $\pm$ 1.374 χ^2 /NDF:475181.5/16

+ sign 7275.867 $\pm$ 1.166 χ^2 /NDF: 1155842.3/34

All: 7232.228 $\pm$ 0.818 χ^2 /NDF: 2380562.4/70

- sign 7189.865 $\pm$ 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: -11.905 ± 2.456 χ^2/NDF : 52.2/17

Right Out: -10.172 ± 5.075 χ^2/NDF : 10.8/18

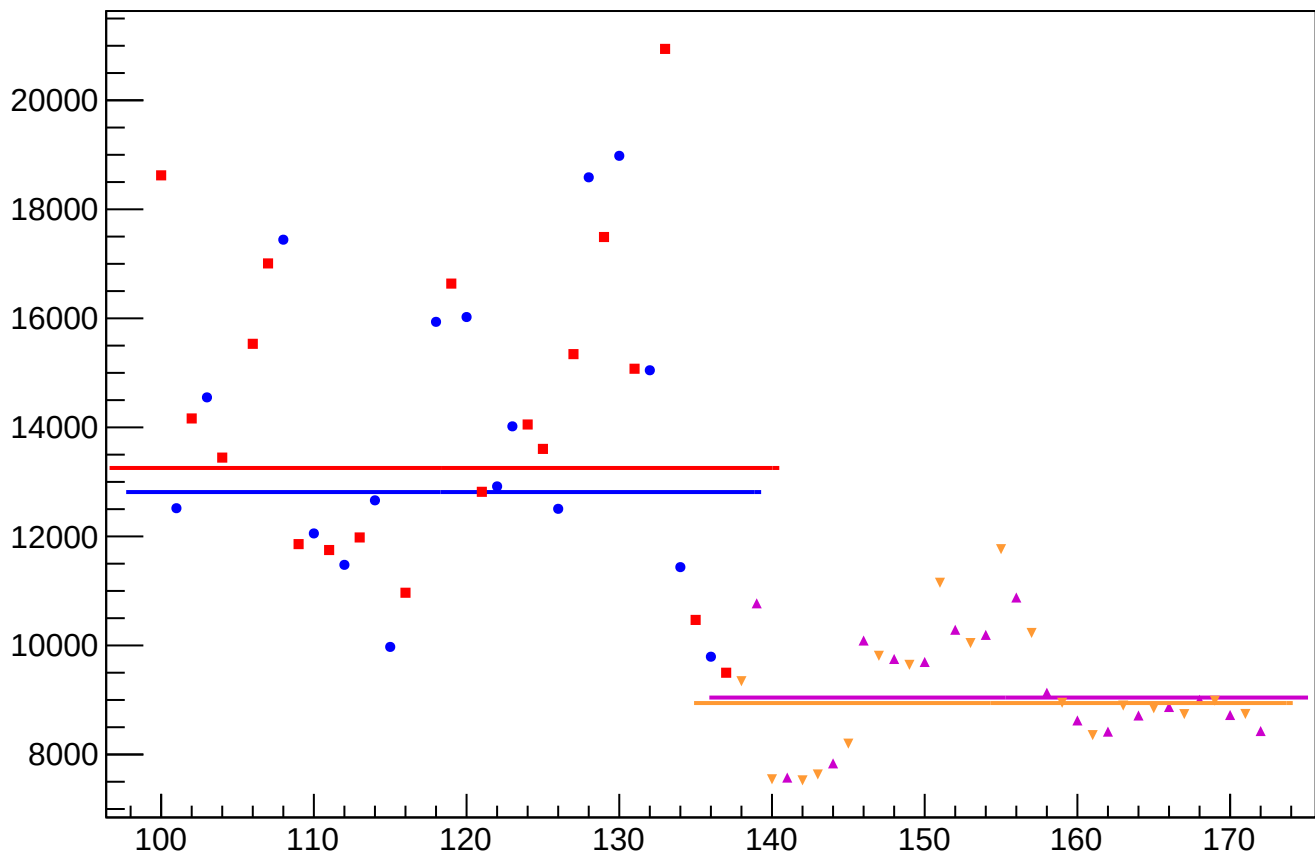
Left In: -0.096 ± 2.502 χ^2/NDF : 21.6/16

+ sign -10.913 ± 2.213 χ^2/NDF : 76.5/34

All: -6.553 ± 1.576 χ^2/NDF : 119.9/70

- 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: 8943.453+/-1.737 χ^2/NDF : 365597.6/17

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

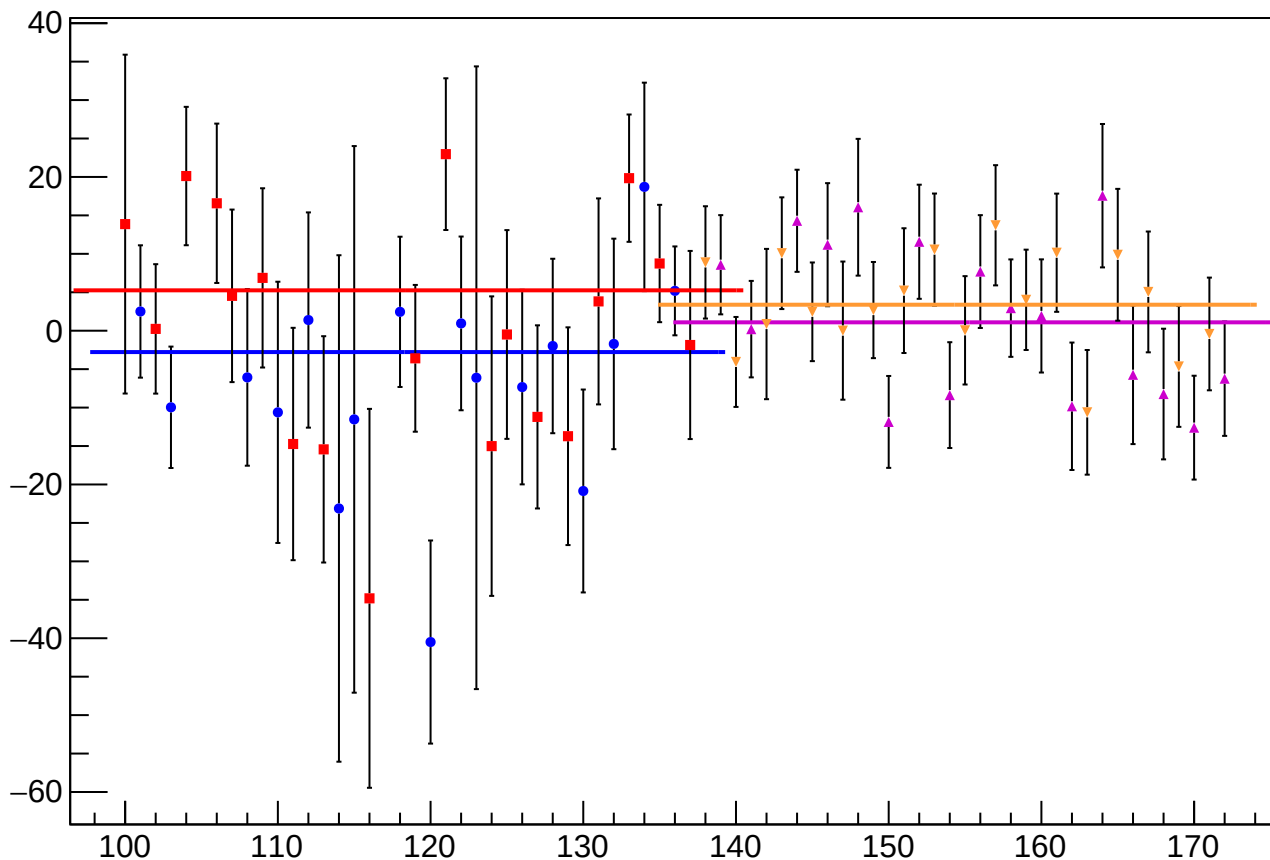
Left In: 9044.129+/-1.770 χ^2/NDF : 288406.9/16

+ sign 9671.712+/-1.565 χ^2/NDF : 1848297.3/34

All: 9768.411+/-1.114 χ^2/NDF : 3736690.3/70

- 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: 3.381 ± 1.740 χ^2/NDF : 12.0/17

Right Out: 5.252 ± 2.590 χ^2/NDF : 23.5/18

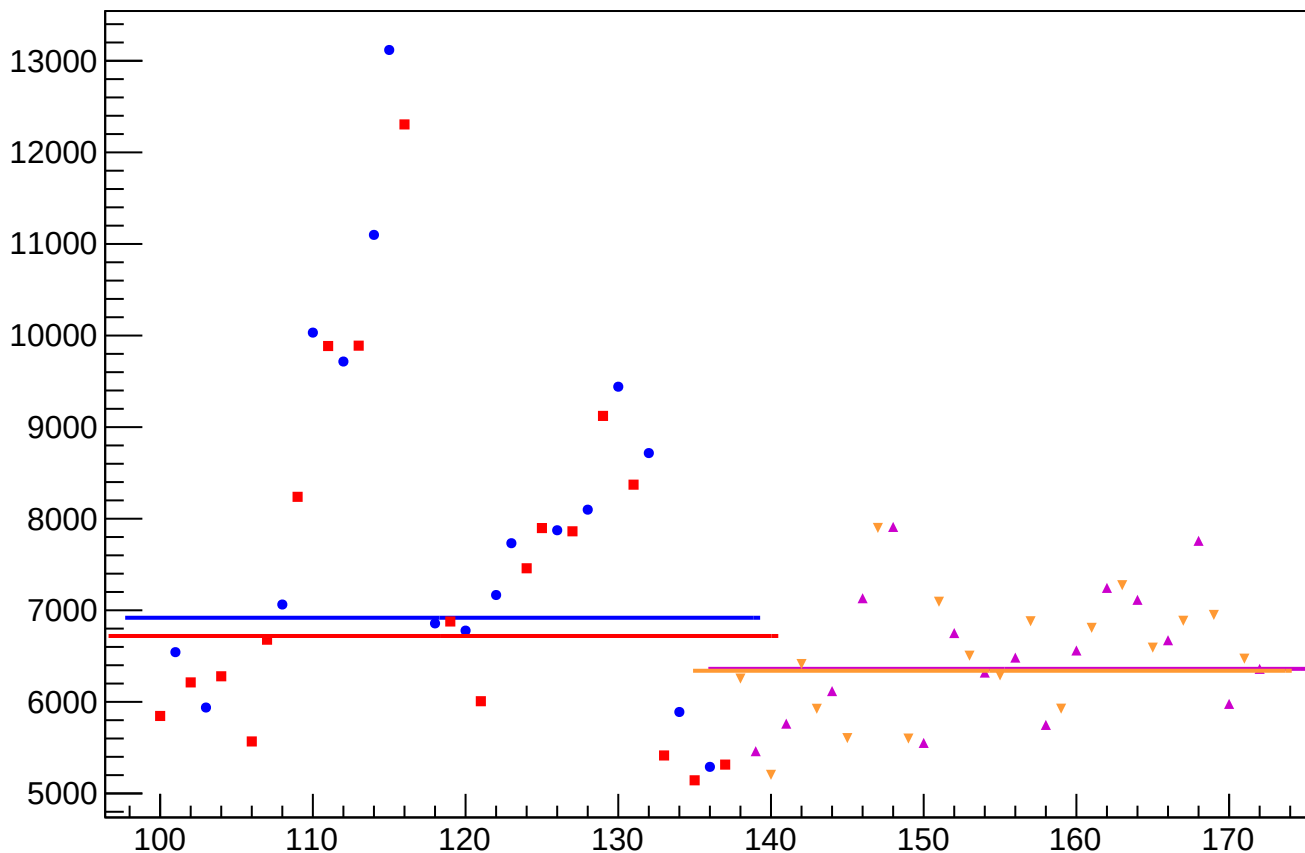
Left In: 1.090 ± 1.763 χ^2/NDF : 31.0/16

+ sign 1.618 ± 1.470 χ^2/NDF : 32.6/34

All: 2.016 ± 1.035 χ^2/NDF : 89.0/70

- 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: 6339.793+/-1.230 χ^2/NDF : 290973.5/17

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

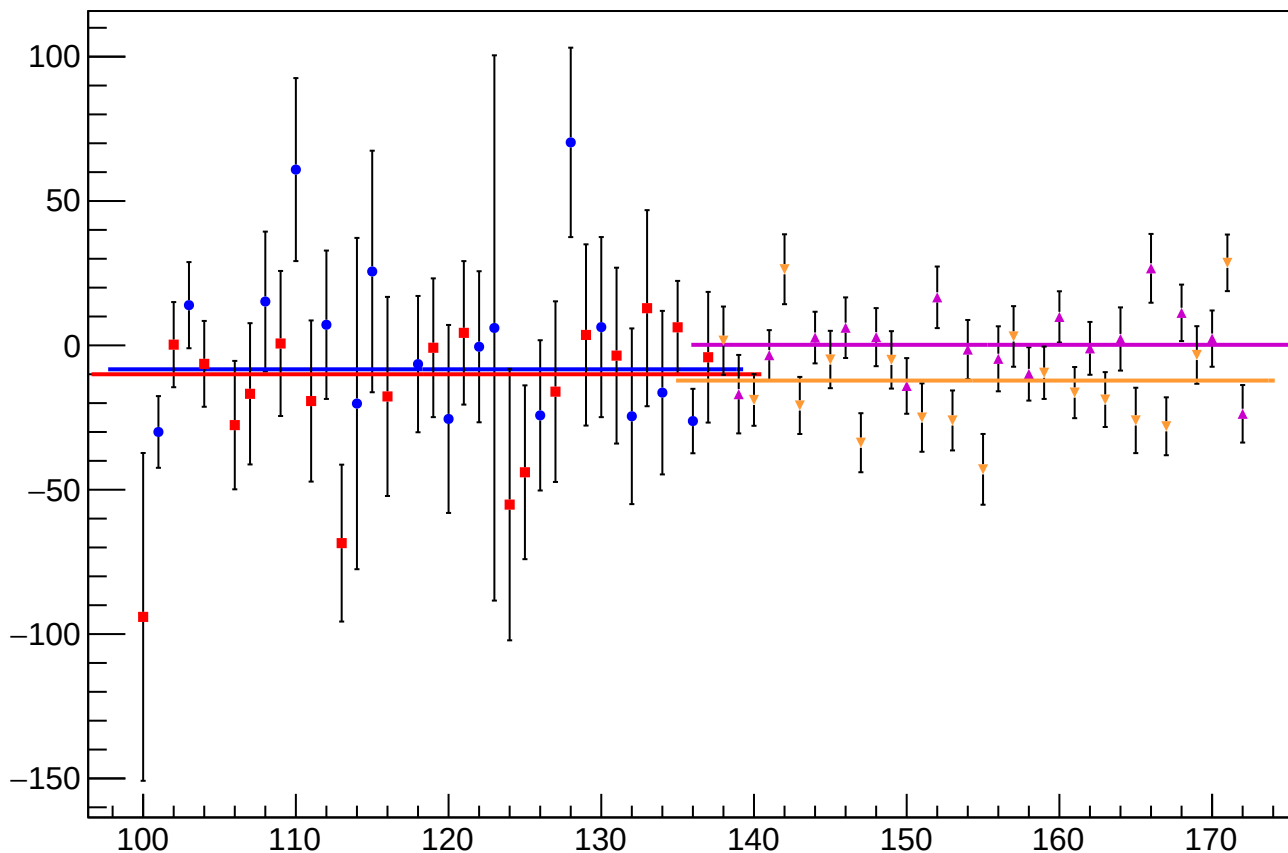
Left In: 6360.674+/-1.247 χ^2/NDF : 300661.3/16

+ sign 6505.488+/-1.039 χ^2/NDF : 942306.3/34

All: 6489.753+/-0.732 χ^2/NDF : 1923477.9/70

- 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: -12.186 ± 2.406 χ^2/NDF : 52.5/17

Right Out: -10.007 ± 5.513 χ^2/NDF : 12.9/18

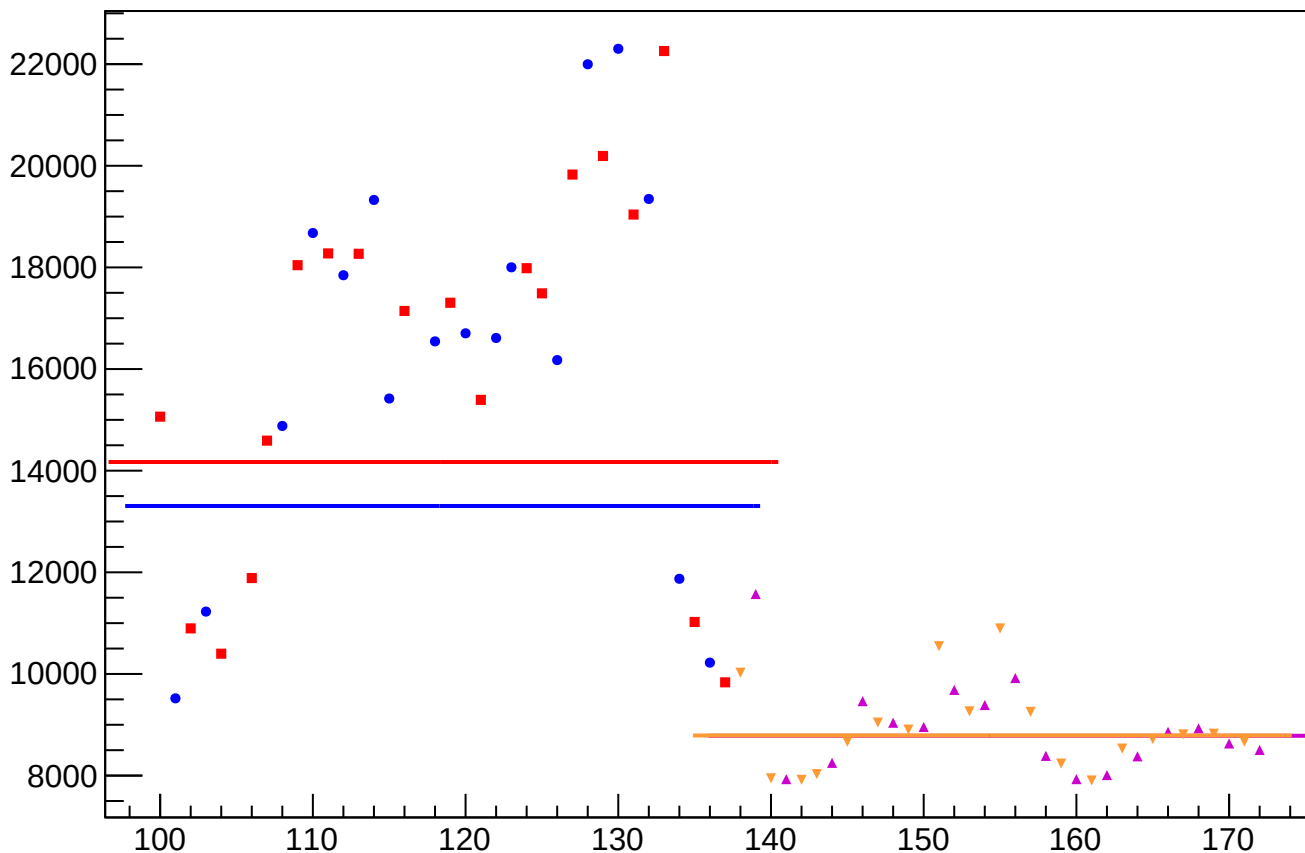
Left In: 0.191 ± 2.426 χ^2/NDF : 21.4/16

+ sign -11.542 ± 2.198 χ^2/NDF : 74.7/34

All: -6.554 ± 1.562 χ^2/NDF : 122.3/70

- 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: 8789.455+/-1.701 χ^2/NDF : 204008.9/17

Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

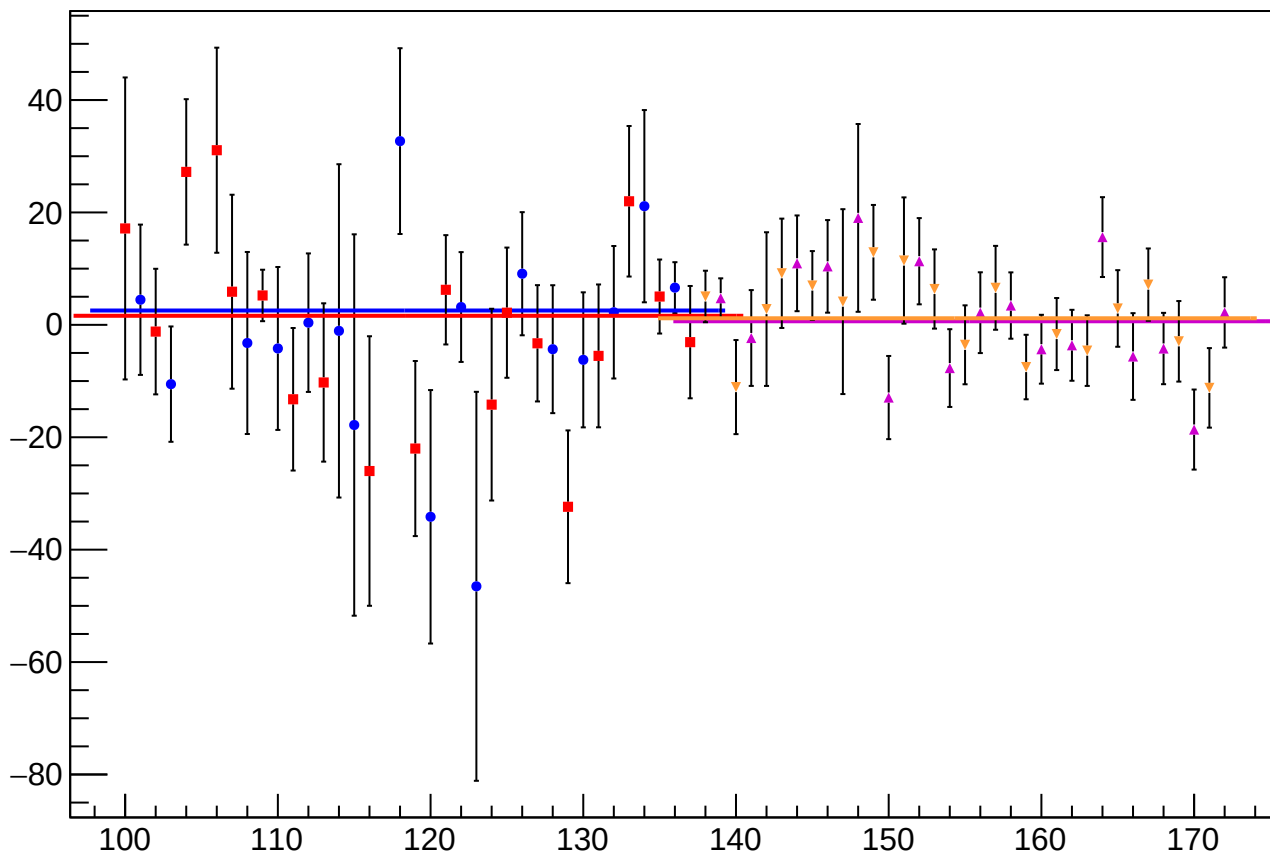
Left In: 8783.424+/-1.716 χ^2/NDF : 204447.1/16

+ sign 9534.988+/-1.554 χ^2/NDF : 2411564.2/34

All: 9595.603+/-1.105 χ^2/NDF : 5149591.0/70

- sign 9657.463+/-1.570 χ^2/NDF : 2734954.0/35

diff_bpm1Y_mean vs Slug



Right In: 2.551 $\pm$ 2.757 χ^2 /NDF: 13.6/16

Left Out: 1.170 $\pm$ 1.681 χ^2 /NDF: 16.4/17

Right Out: 1.613 $\pm$ 2.442 χ^2 /NDF: 24.0/18

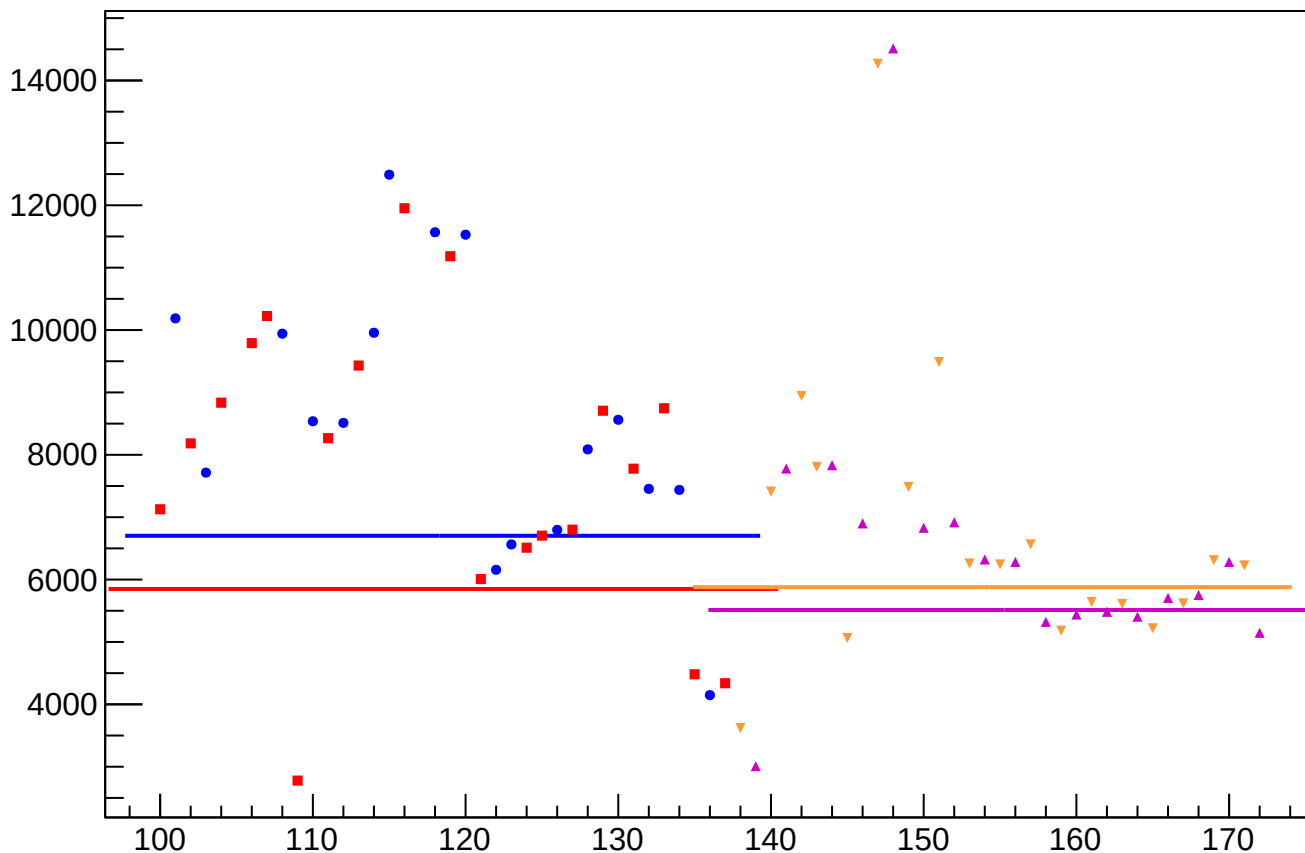
Left In: 0.638 $\pm$ 1.604 χ^2 /NDF: 26.8/16

+ sign 1.545 $\pm$ 1.435 χ^2 /NDF: 30.2/34

All: 1.217 $\pm$ 0.980 χ^2 /NDF: 81.2/70

- sign 0.932 $\pm$ 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: 5878.137+/-1.189 χ^2/NDF : 1665469.1/17

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

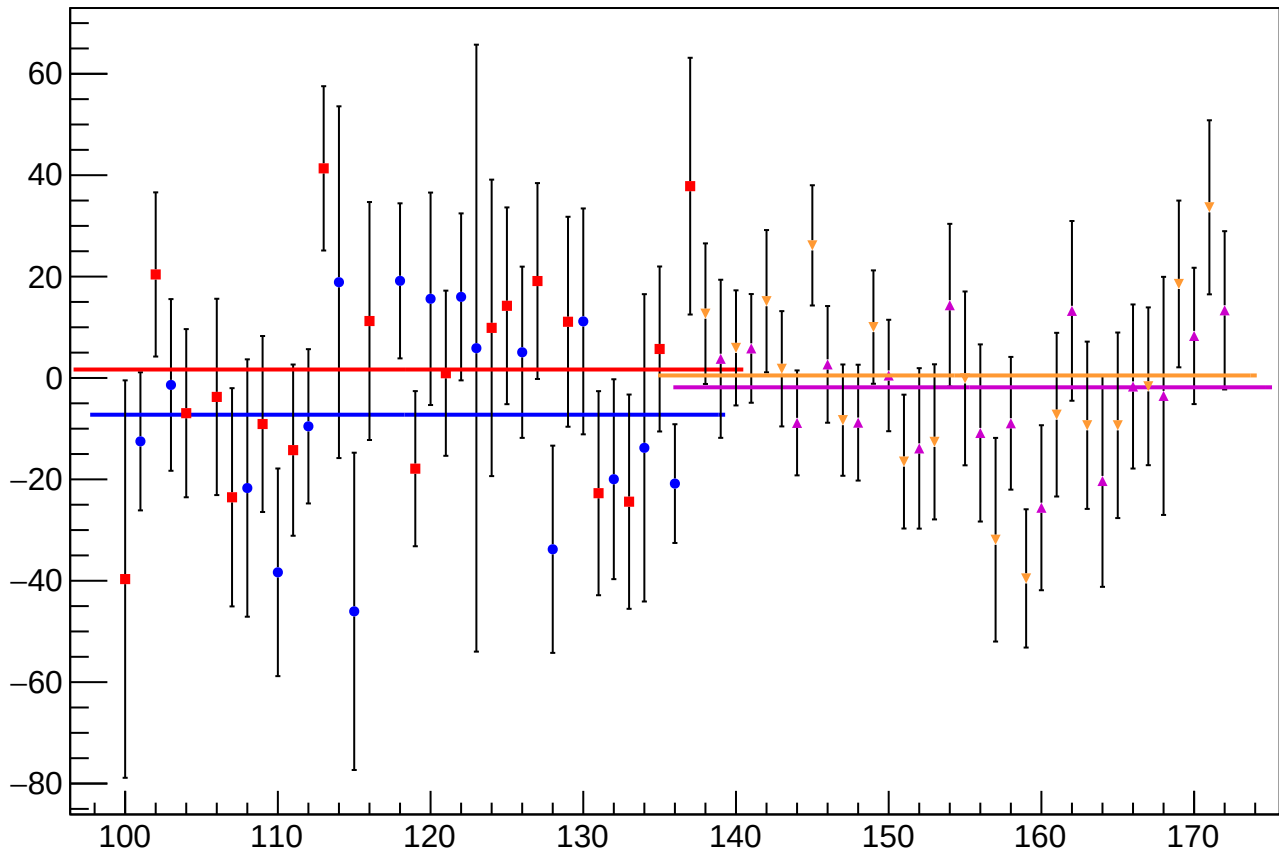
Left In: 5512.663+/-1.134 χ^2/NDF : 2148897.3/16

+ sign 6101.574+/-1.015 χ^2/NDF : 3185695.1/34

All: 5841.295+/-0.693 χ^2/NDF : 7762774.4/70

- 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: 0.499 ± 3.294 χ^2/NDF : 27.6/17

Right Out: 1.671 ± 4.373 χ^2/NDF : 19.9/18

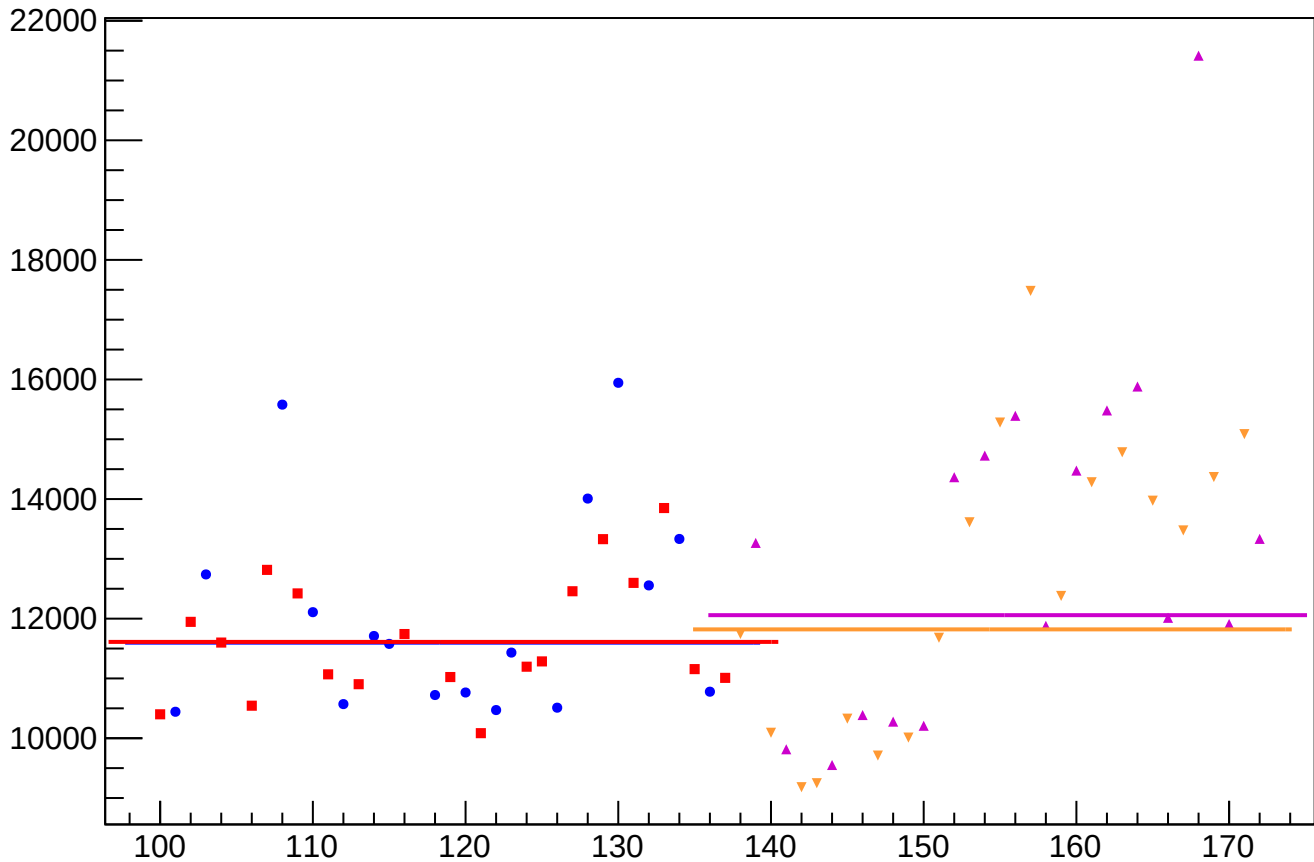
Left In: -1.839 ± 3.388 χ^2/NDF : 9.0/16

+ sign -2.166 ± 2.668 χ^2/NDF : 45.4/34

All: -1.348 ± 1.890 χ^2/NDF : 74.9/70

- 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: 11820.418 $\pm$ 2.329 χ^2 /NDF: 930459.2/17

Right Out: 11610.941 $\pm$ 3.092 χ^2 /NDF: 94447.0/18

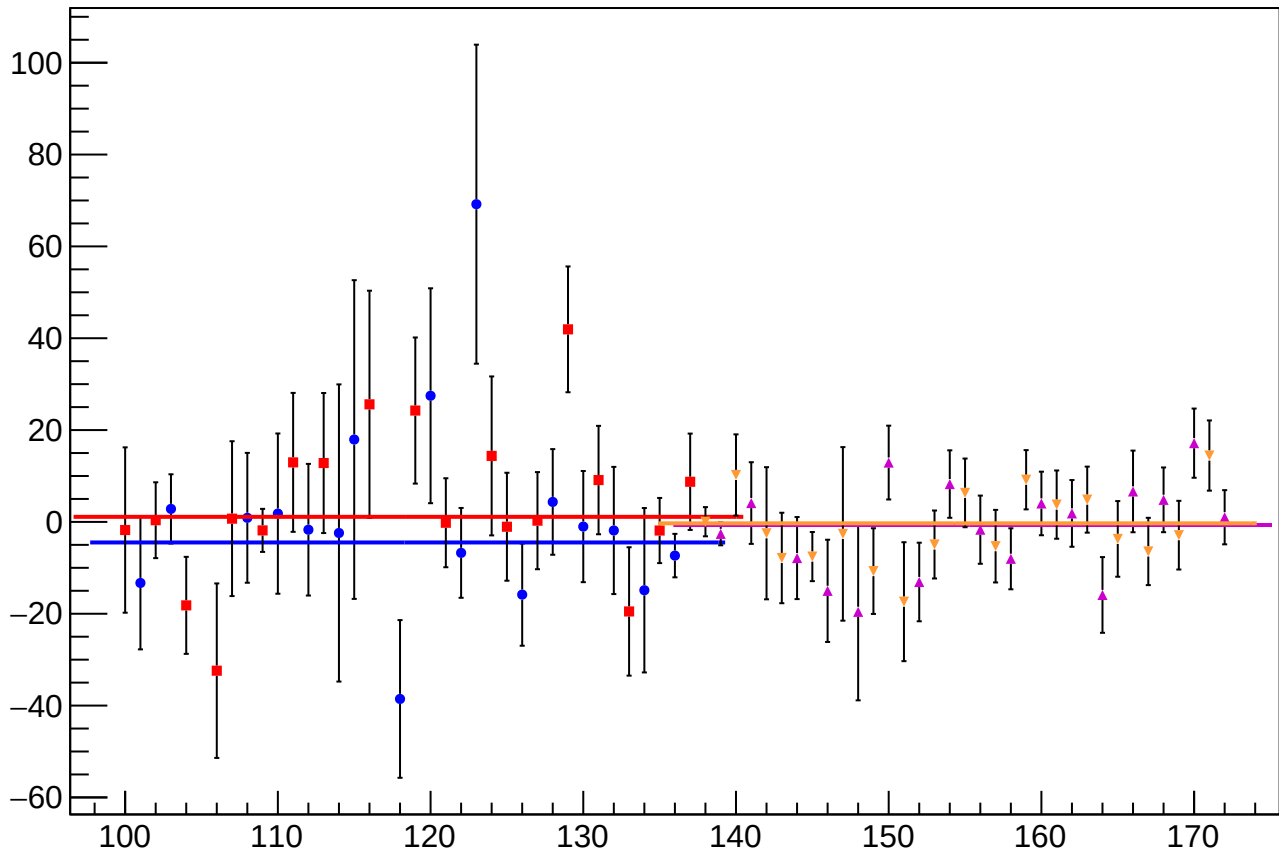
Left In: 12058.152 $\pm$ 2.395 χ^2 /NDF: 1052083.6/16

+ sign 11744.125 $\pm$ 1.886 χ^2 /NDF: 1169000.3/34

All: 11816.988 $\pm$ 1.336 χ^2 /NDF: 2331599.0/7

- 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: -0.310 ± 1.657 χ^2/NDF : 16.1/17

Right Out: 1.105 ± 2.429 χ^2/NDF : 24.0/18

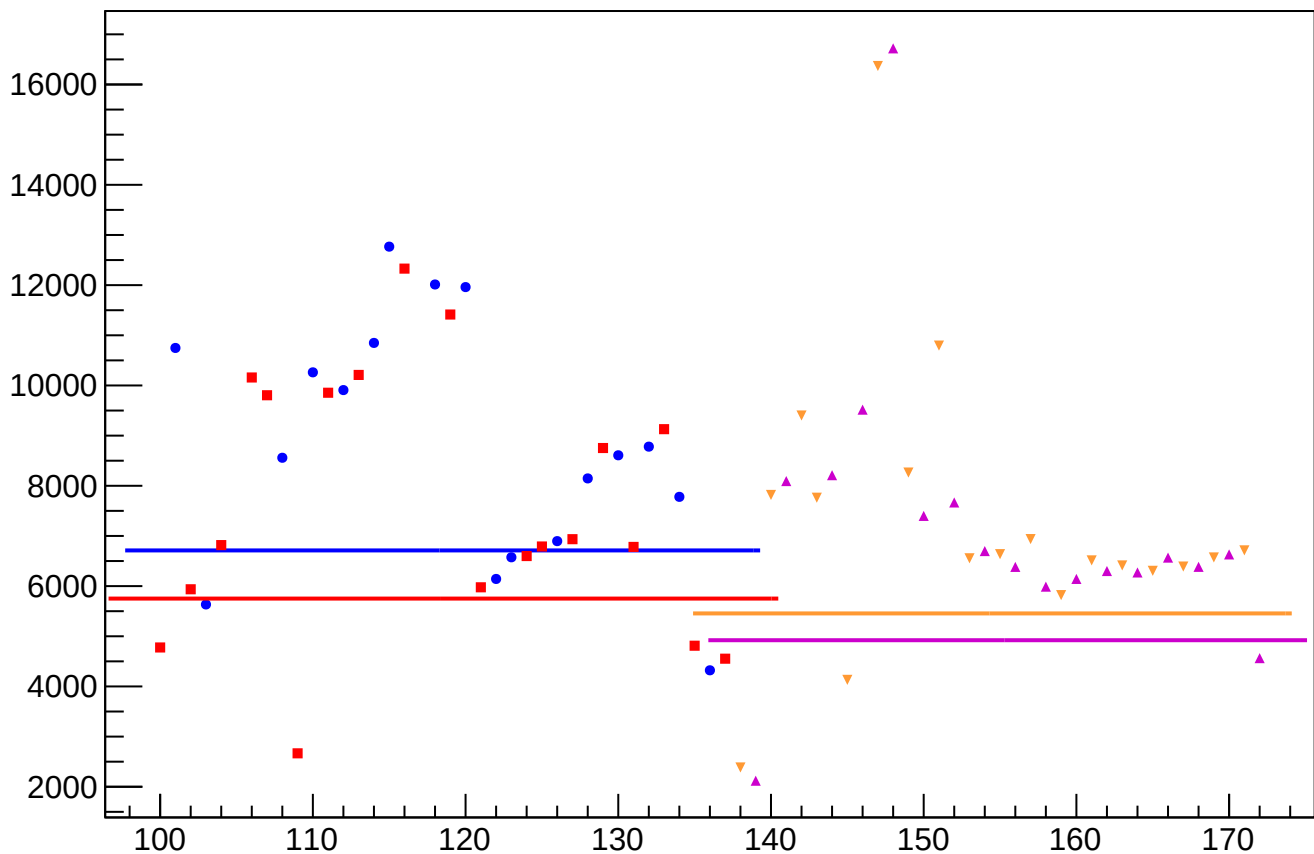
Left In: -0.674 ± 1.544 χ^2/NDF : 22.8/16

+ sign -1.402 ± 1.424 χ^2/NDF : 32.6/34

All: -0.727 ± 0.961 χ^2/NDF : 80.3/70

- 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: 5455.628+/-1.172 χ^2/NDF : 3980025.9/17

Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

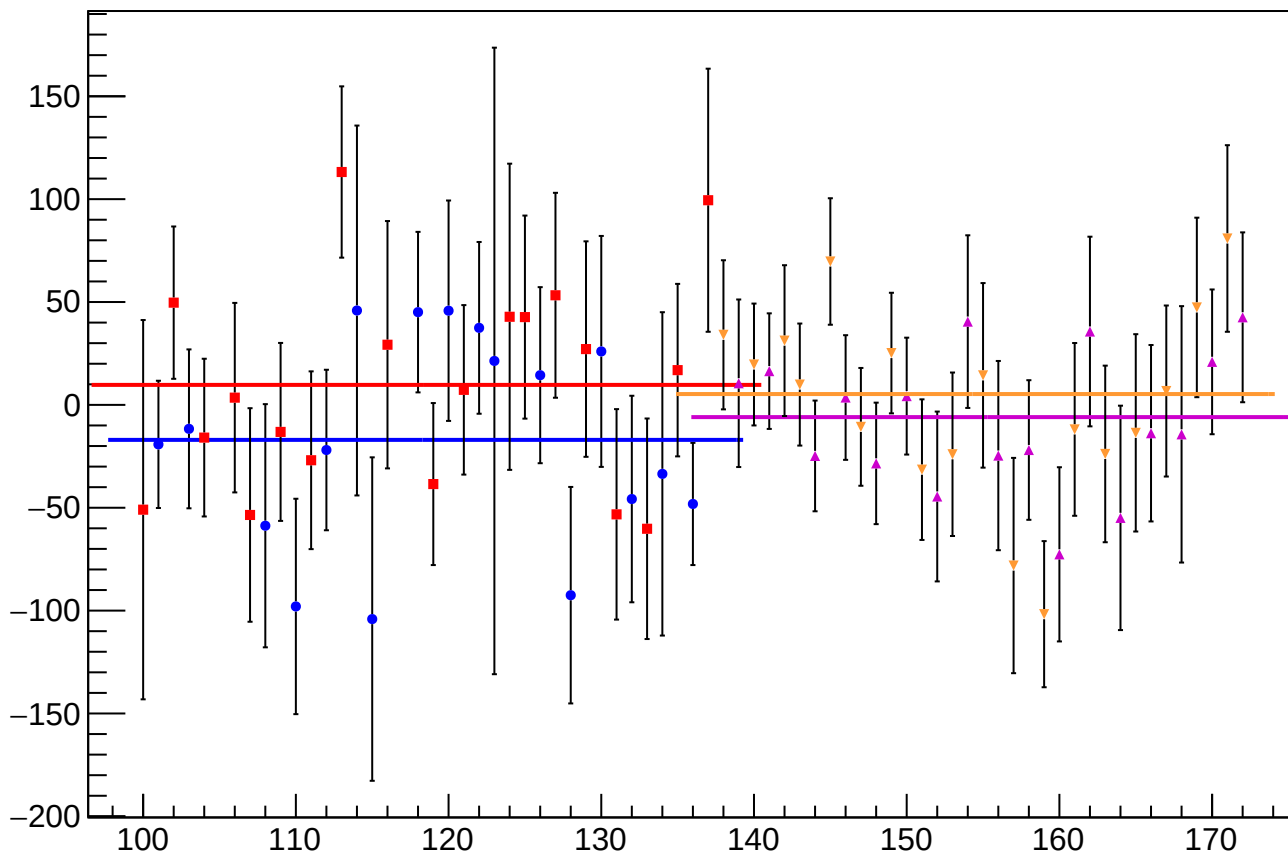
Left In: 4921.425+/-1.092 χ^2/NDF : 5240020.8/16

+ sign 5784.679+/-1.007 χ^2/NDF : 5727878.3/34

All: 5445.008+/-0.680 χ^2/NDF : 13508527.5/7

- 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: 5.267 ± 8.605 χ^2/NDF : 24.4/17

Right Out: 9.719 ± 10.891 χ^2/NDF : 19.1/18

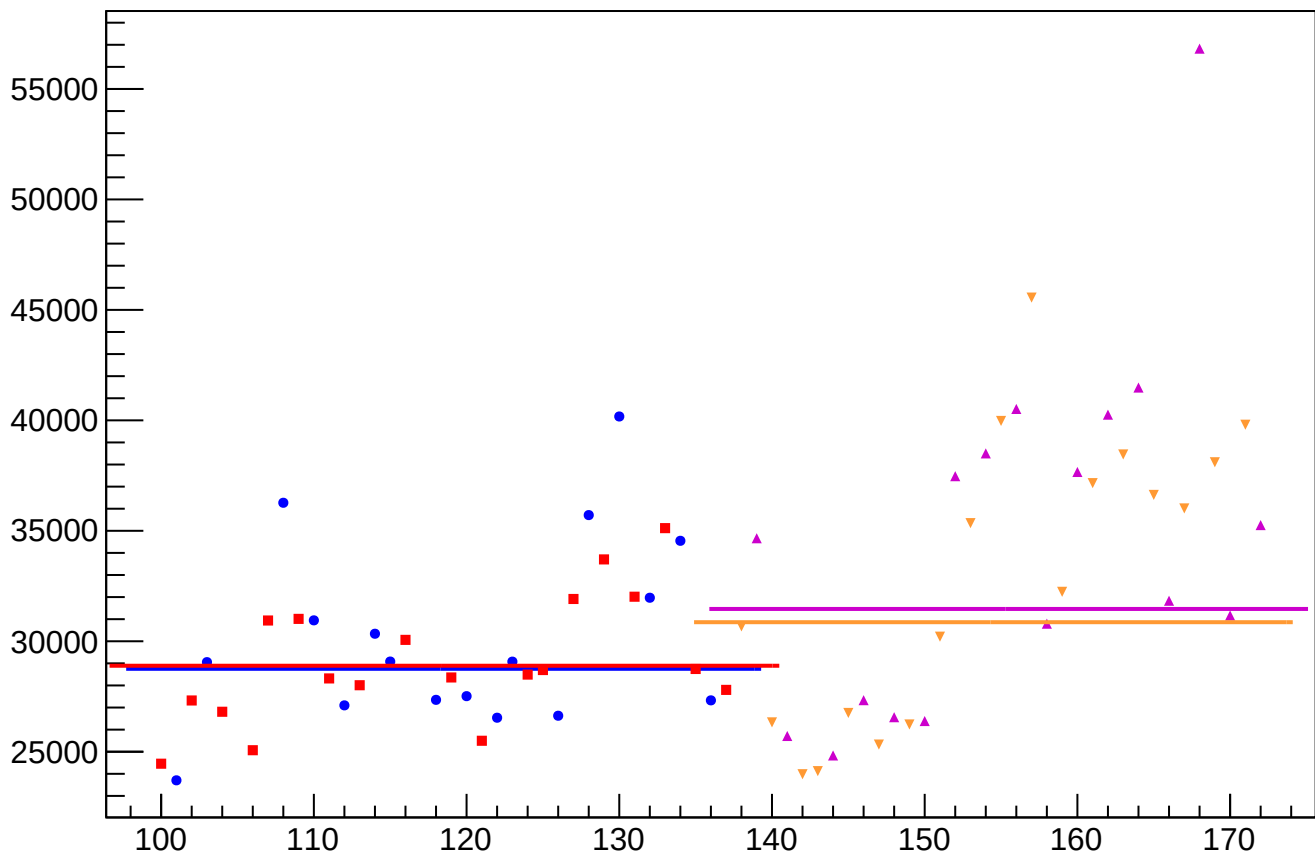
Left In: -5.941 ± 8.844 χ^2/NDF : 10.7/16

+ sign -2.922 ± 6.843 χ^2/NDF : 41.8/34

All: -1.325 ± 4.847 χ^2/NDF : 73.0/70

- 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: 30863.093 $\pm$ 6.085 χ^2 /NDF: 950443.2/17

Right Out: 28892.154 $\pm$ 7.701 χ^2 /NDF: 111241.2/18

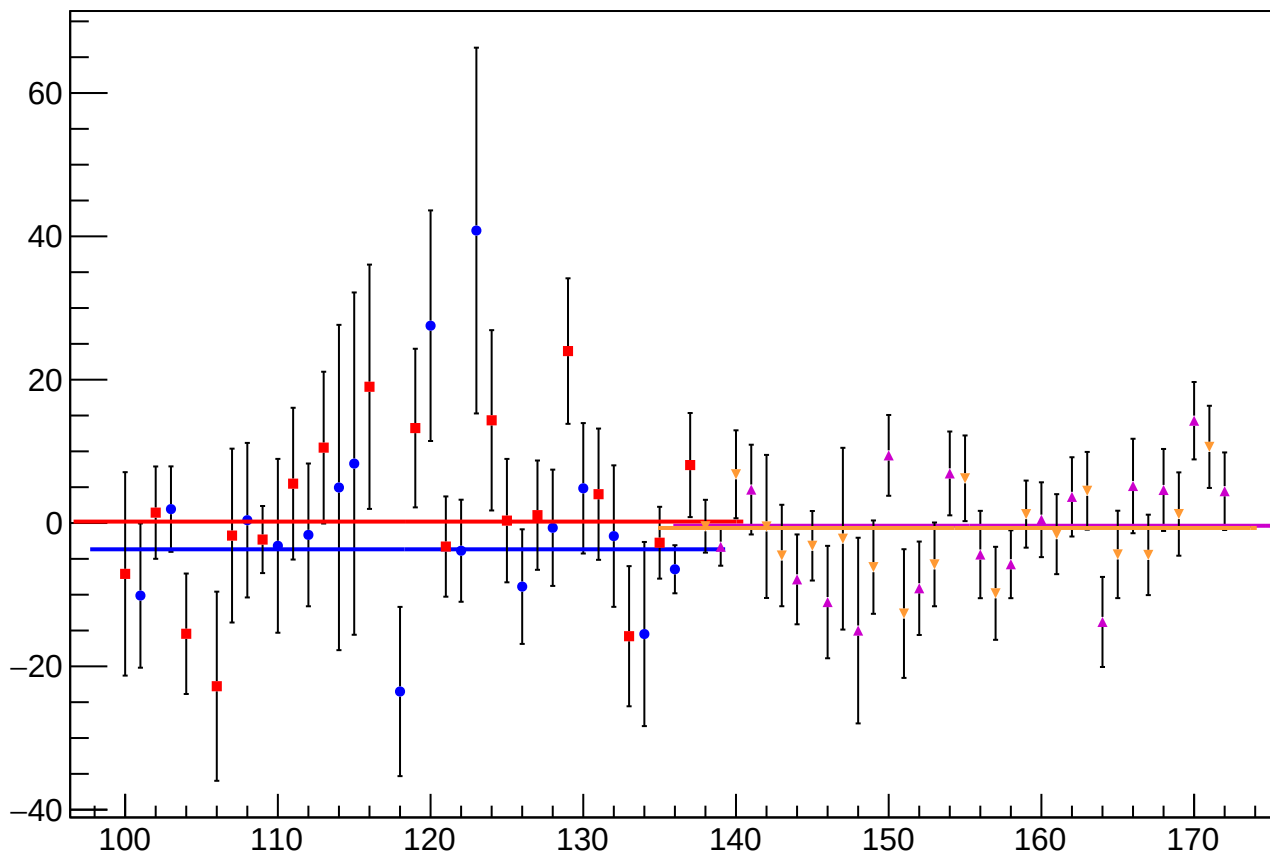
Left In: 31462.680 $\pm$ 6.254 χ^2 /NDF: 1082367.5/16

+ sign 30087.735 $\pm$ 4.839 χ^2 /NDF: 1243830.0/34

All: 30263.842 $\pm$ 3.427 χ^2 /NDF: 2507235.8/7

- 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: -0.691 ± 1.378 χ^2/NDF : 14.6/17

Right Out: 0.199 ± 1.893 χ^2/NDF : 22.3/18

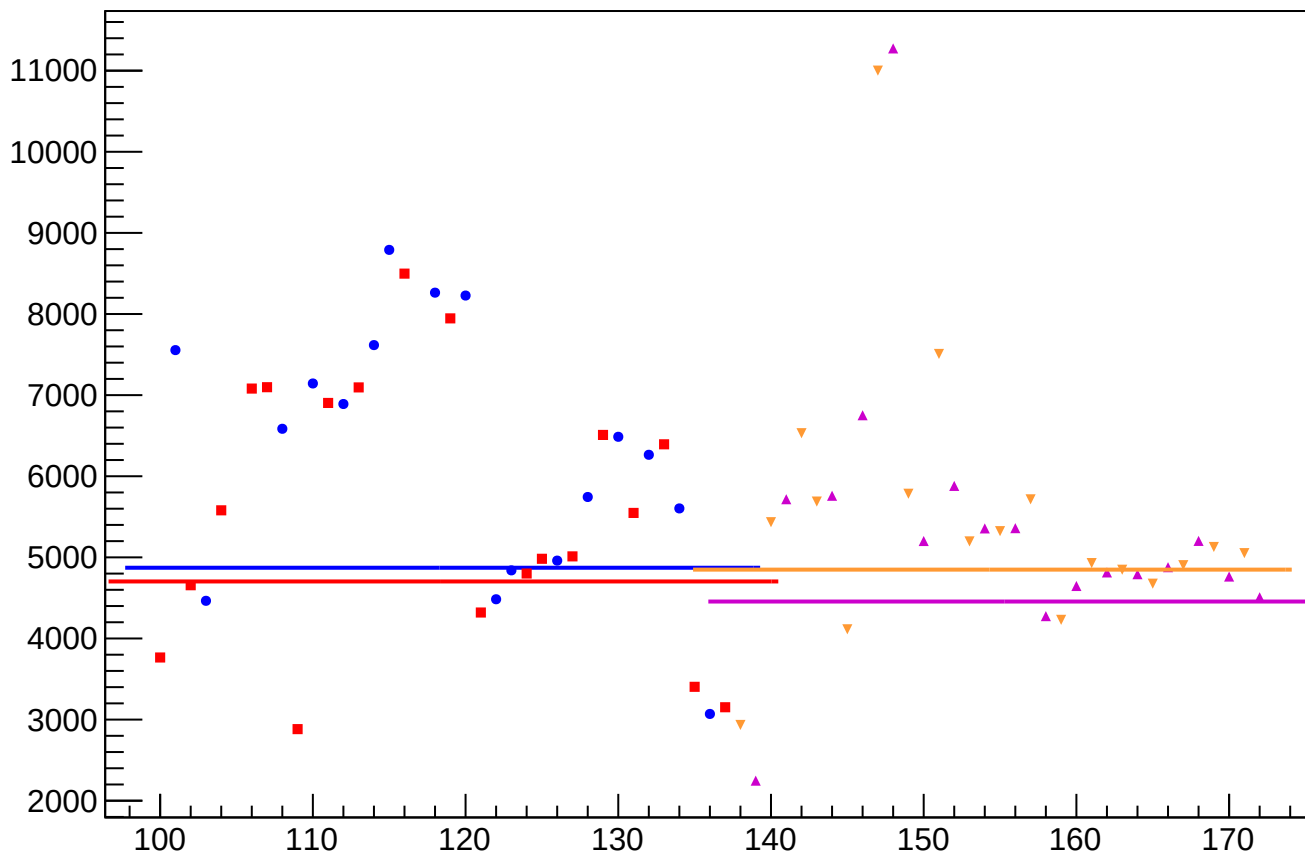
Left In: -0.382 ± 1.304 χ^2/NDF : 29.3/16

+ sign -1.643 ± 1.137 χ^2/NDF : 30.5/34

All: -0.878 ± 0.780 χ^2/NDF : 83.1/70

- 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: 4848.812+/-0.975 χ^2/NDF : 1476278.6/17

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

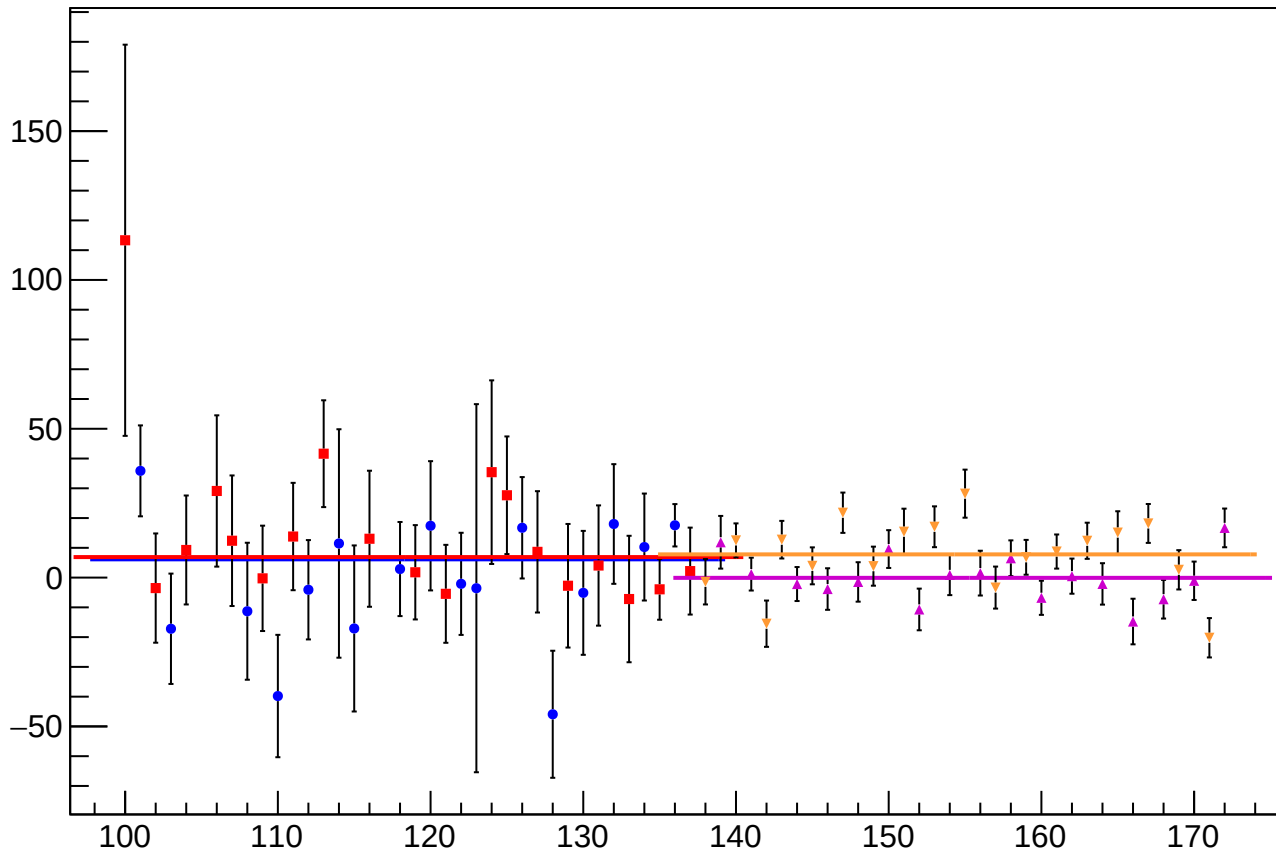
Left In: 4455.474+/-0.922 χ^2/NDF : 2577159.8/16

+ sign 4856.263+/-0.804 χ^2/NDF : 2881714.5/34

All: 4686.524+/-0.552 χ^2/NDF : 6879176.8/70

- 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: 7.801 ± 1.563 χ^2/NDF : 51.2/17

Right Out: 6.892 ± 4.224 χ^2/NDF : 12.5/18

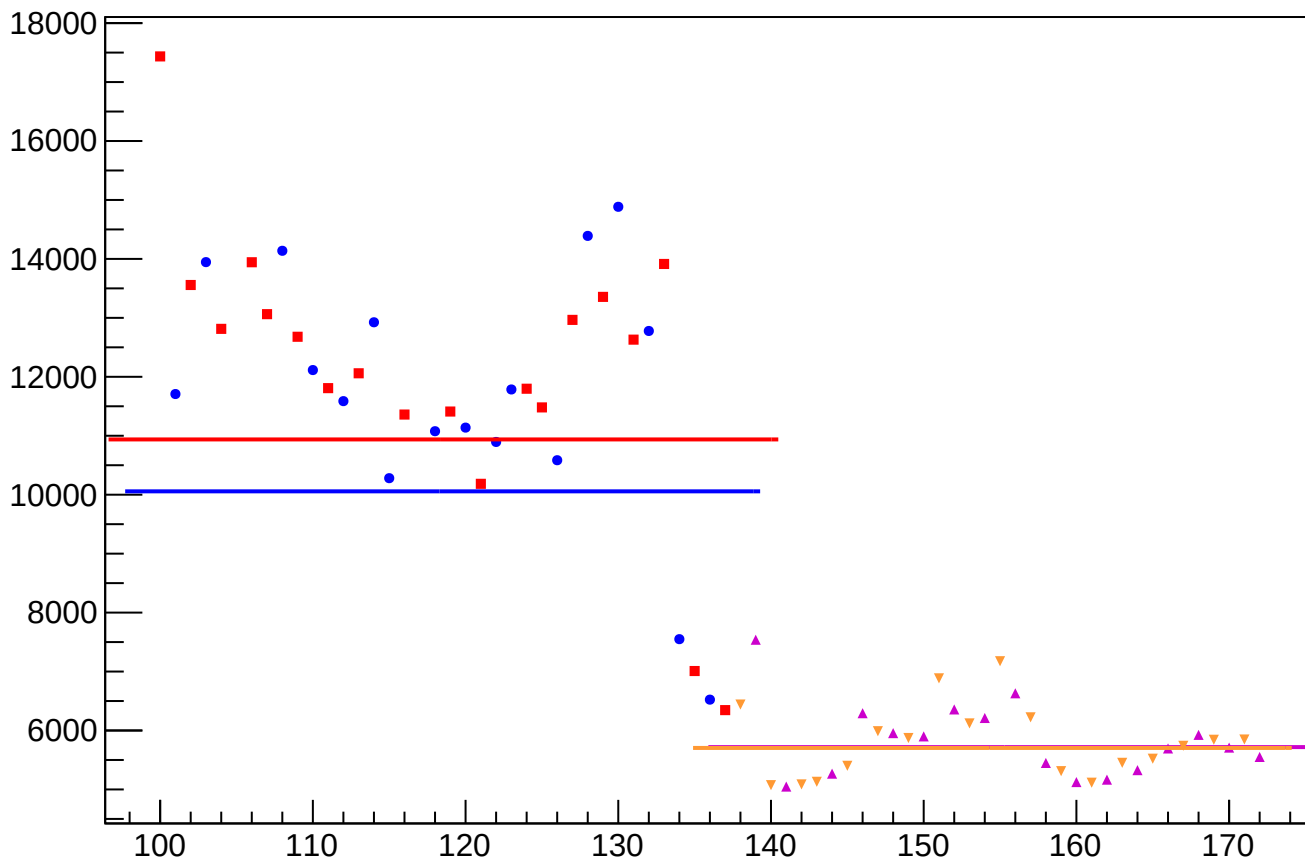
Left In: -0.085 ± 1.581 χ^2/NDF : 21.3/16

+ sign 7.588 ± 1.460 χ^2/NDF : 73.5/34

All: 4.229 ± 1.039 χ^2/NDF : 120.4/70

- 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: 5704.134 $\pm$ 1.105 χ^2 /NDF:249969.0/17

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

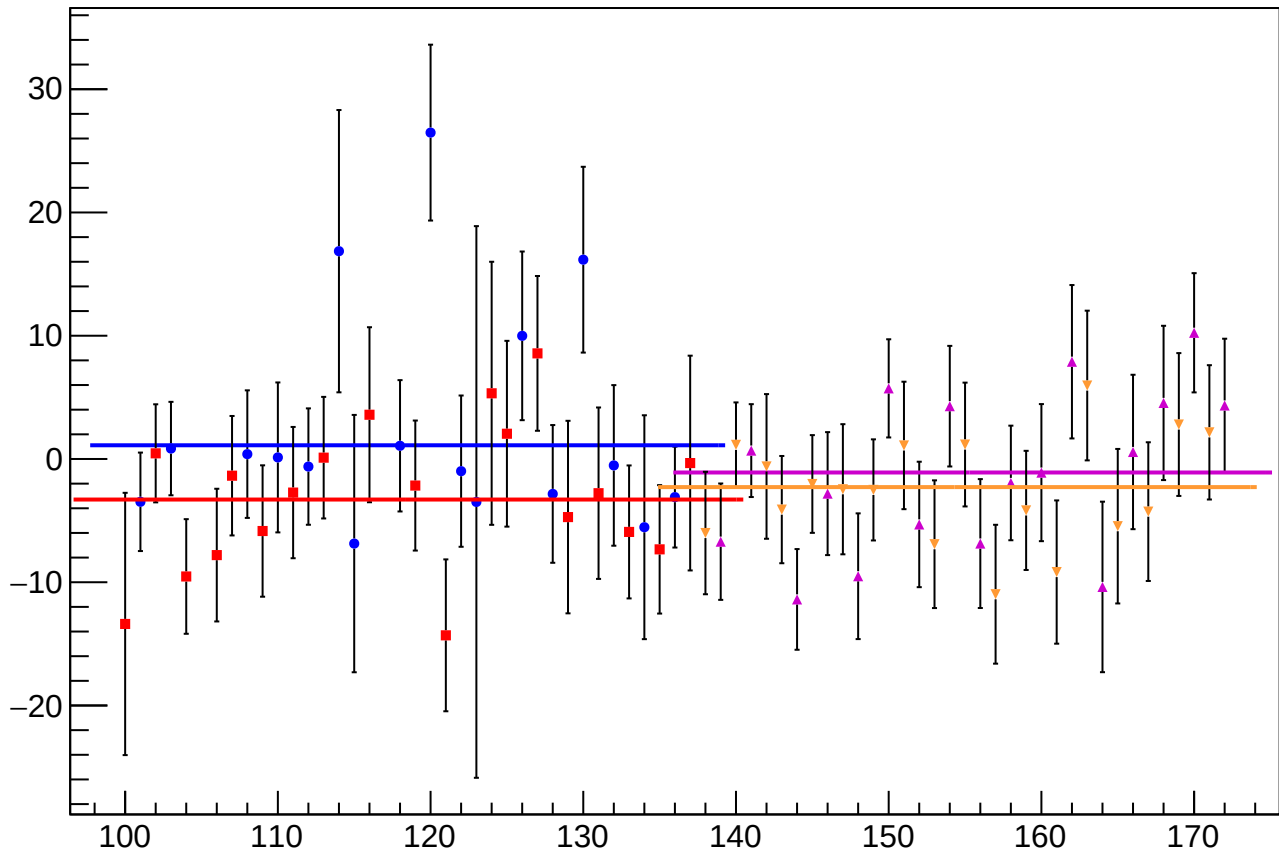
Left In: 5718.526 $\pm$ 1.118 χ^2 /NDF:253579.6/16

+ sign 6261.159 $\pm$ 1.032 χ^2 /NDF: 3237788.8/34

All: 6309.734 $\pm$ 0.735 χ^2 /NDF: 6936411.0/70

- 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: -2.282 ± 1.169 χ^2/NDF : 11.1/17

Right Out: -3.290 ± 1.334 χ^2/NDF : 15.1/18

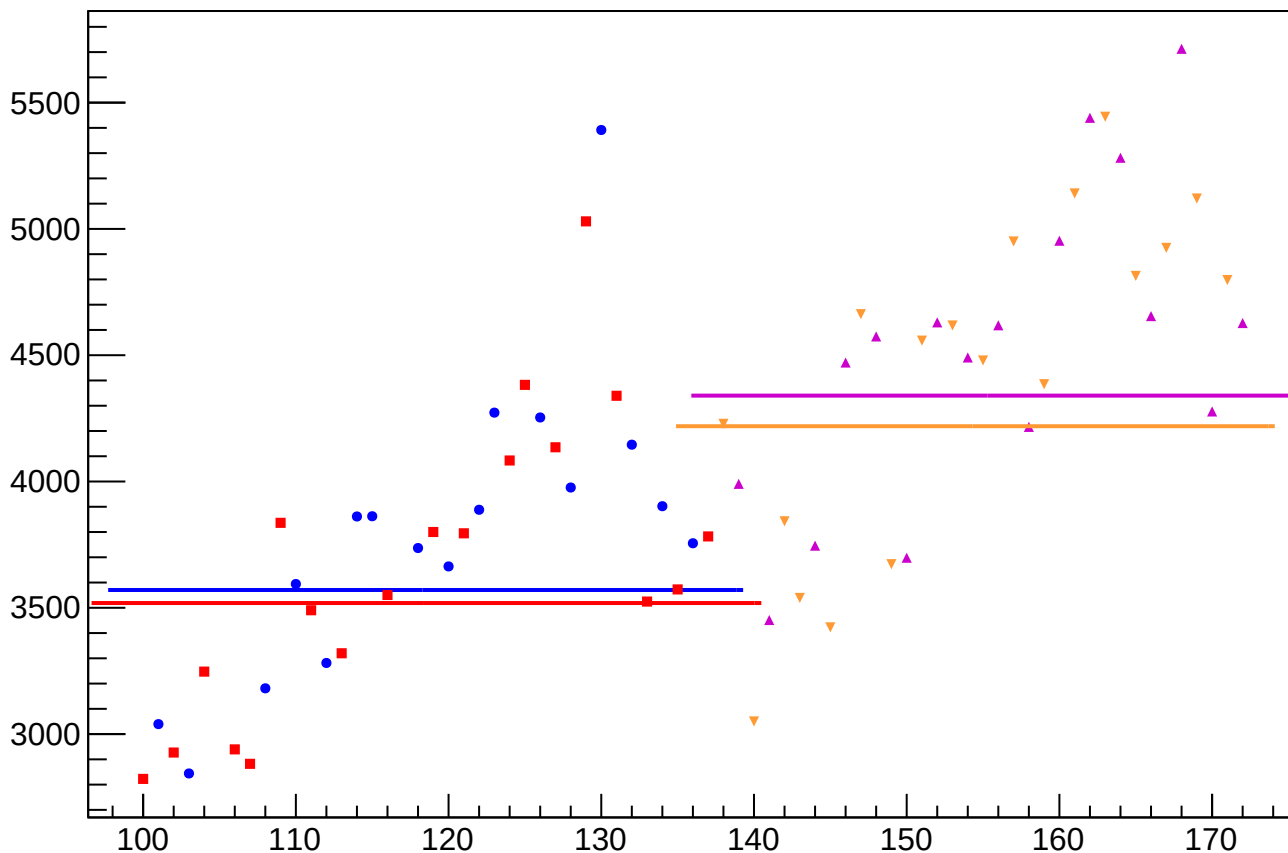
Left In: -1.096 ± 1.206 χ^2/NDF : 28.2/16

+ sign -0.891 ± 0.898 χ^2/NDF : 39.2/34

All: -1.490 ± 0.634 χ^2/NDF : 84.8/70

- 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: 4218.852+/-0.827 χ^2/NDF : 732142.1/17

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

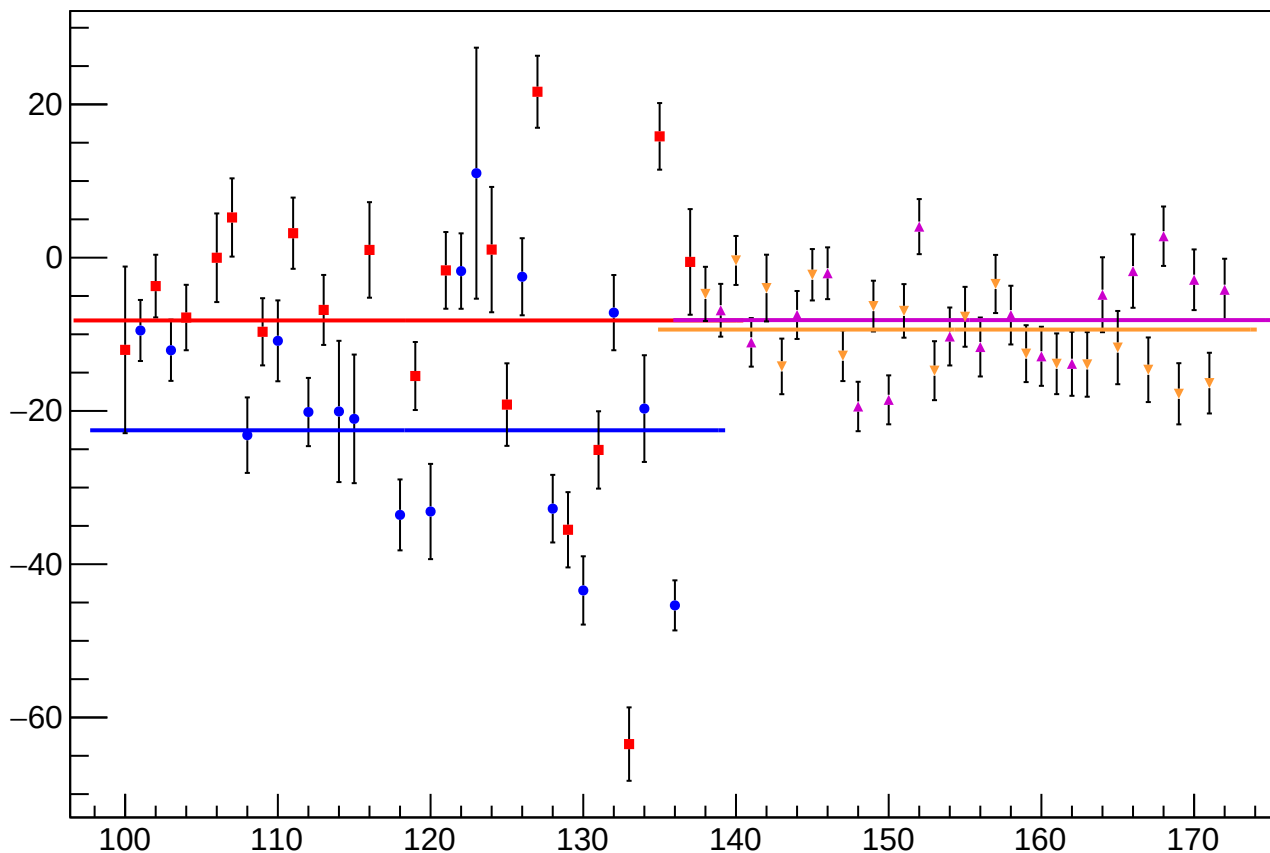
Left In: 4340.047+/-0.853 χ^2/NDF : 468609.8/16

+ sign 3953.105+/-0.635 χ^2/NDF : 1293966.9/34

All: 3961.827+/-0.448 χ^2/NDF : 2473360.0/70

- 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: -9.382 ± 0.883 χ^2/NDF : 37.0/17

Right Out: -8.192 ± 1.157 χ^2/NDF : 275.8/18

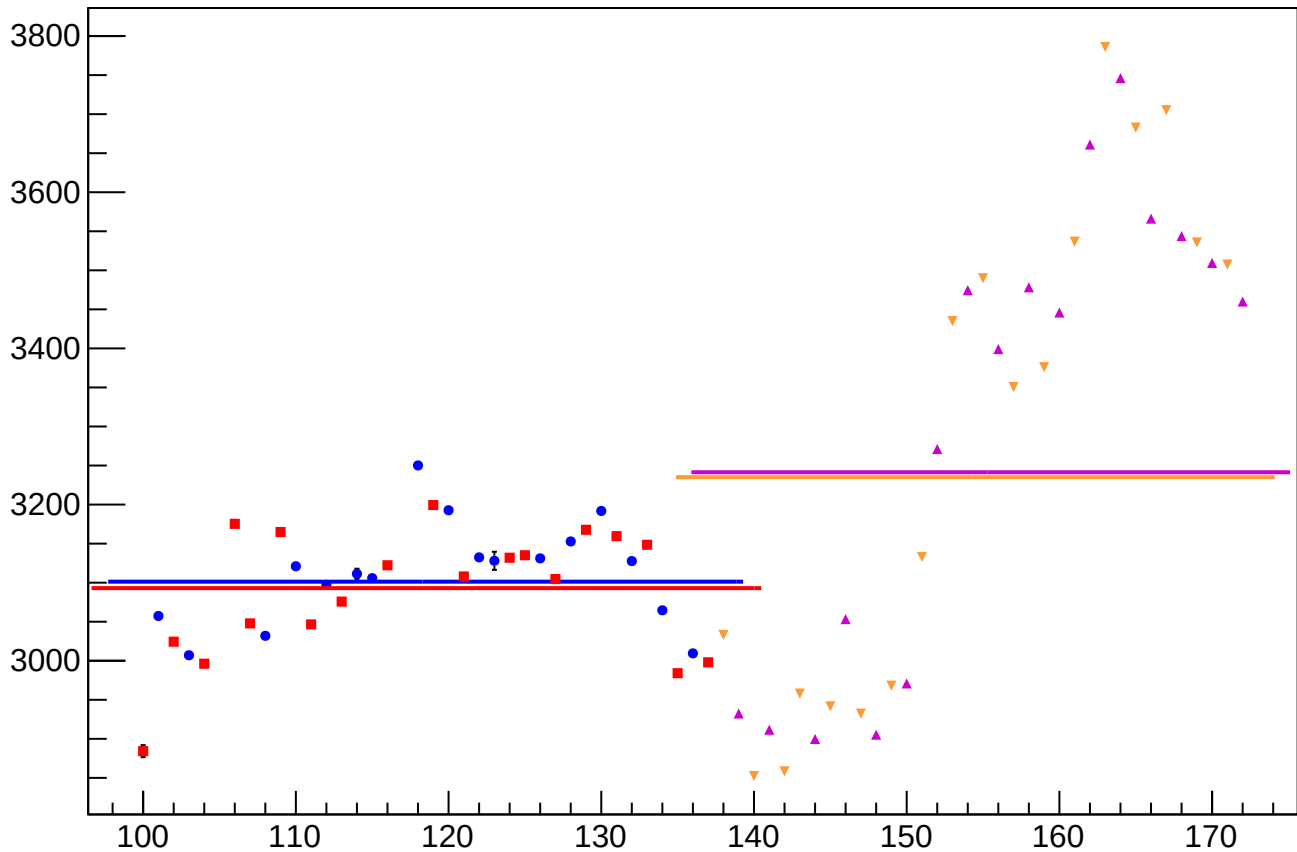
Left In: -8.147 ± 0.894 χ^2/NDF : 56.1/16

+ sign -13.999 ± 0.712 χ^2/NDF : 270.2/34

All: -11.064 ± 0.502 χ^2/NDF : 636.1/70

- sign -8.164 ± 0.707 χ^2/NDF : 332.0/35

diff_bpm0l01X_rms vs Slug



Right In: 3101.270 ± 0.849 $\chi^2/\text{NDF}: 7233.8/16$

Left Out: 3235.071 ± 0.625 $\chi^2/\text{NDF}: 236197.4/17$

Right Out: 3092.993 ± 0.818 $\chi^2/\text{NDF}: 7766.0/18$

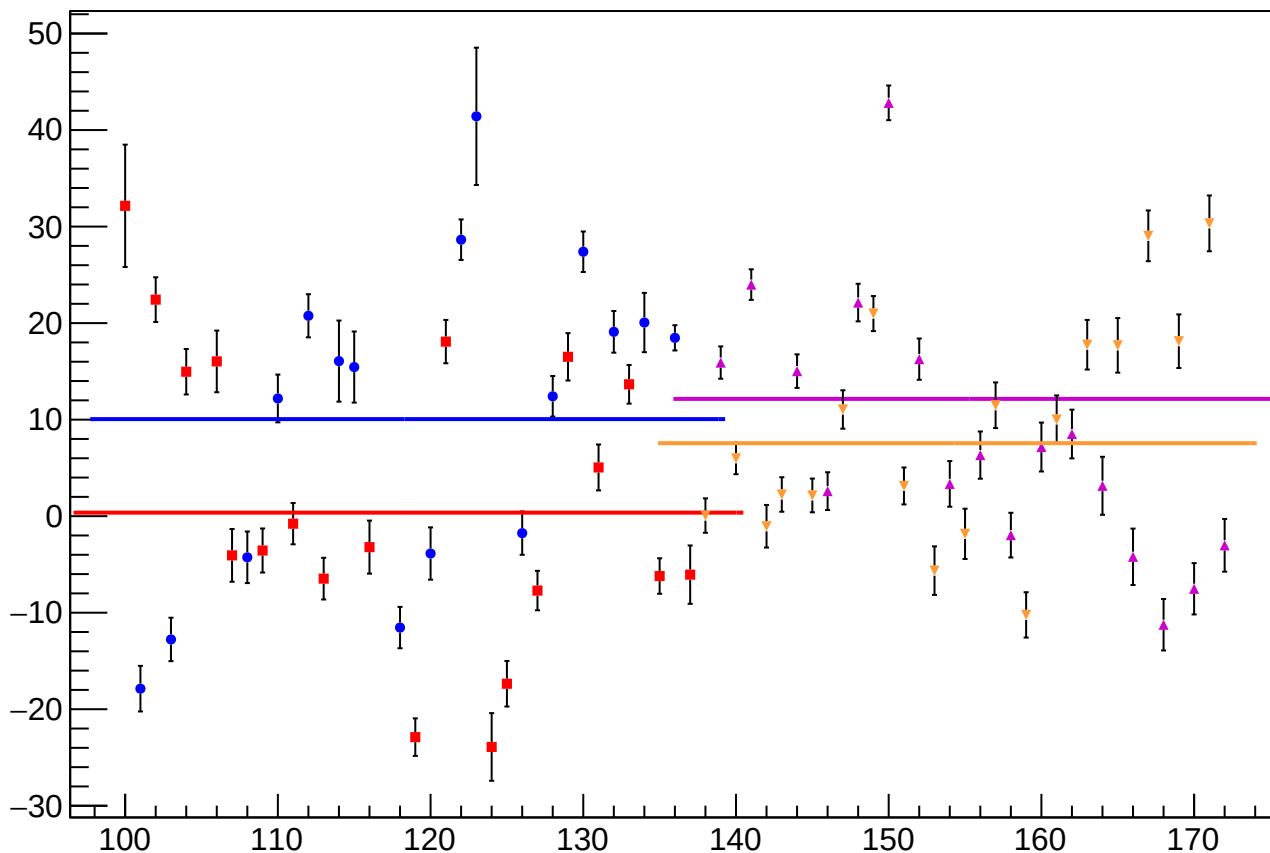
Left In: 3241.398 ± 0.632 $\chi^2/\text{NDF}: 206063.5/16$

+ sign 3188.070 ± 0.503 $\chi^2/\text{NDF}: 259547.3/34$

All: 3186.998 ± 0.355 $\chi^2/\text{NDF}: 493998.0/70$

- sign 3185.940 ± 0.500 $\chi^2/\text{NDF}: 234441.7/35$

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2/NDF : 692.2/16

Left Out: 7.563 $\pm$ 0.509 χ^2/NDF : 389.0/17

Right Out: 0.367 $\pm$ 0.547 χ^2/NDF : 629.8/18

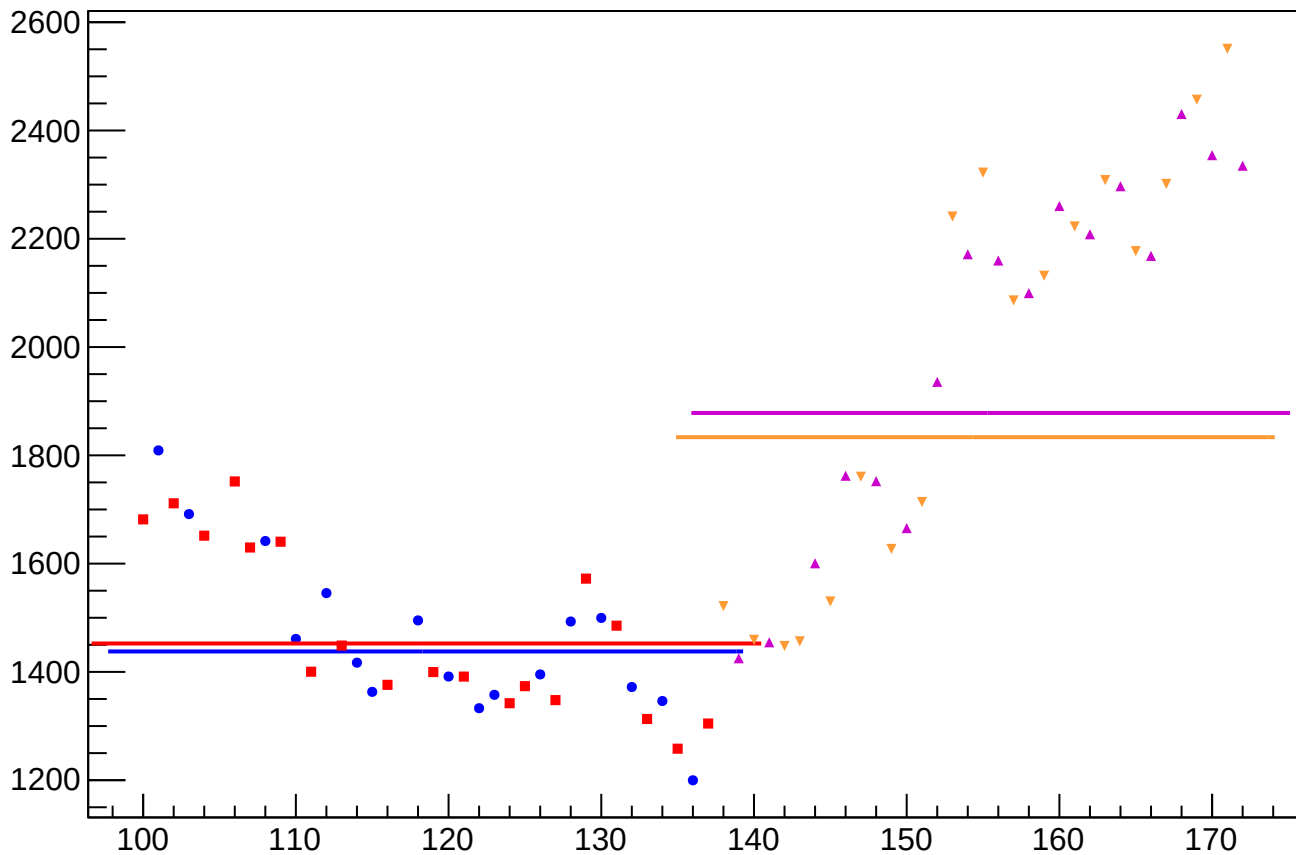
Left In: 12.150 $\pm$ 0.525 χ^2/NDF : 675.0/16

+ sign 8.687 $\pm$ 0.377 χ^2/NDF : 1092.0/34

All: 7.599 $\pm$ 0.267 χ^2/NDF : 2655.2/70

- sign 6.502 $\pm$ 0.379 χ^2/NDF : 1546.4/35

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1833.531 $\pm$ 0.360 χ^2 /NDF: 1024312.7/17

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

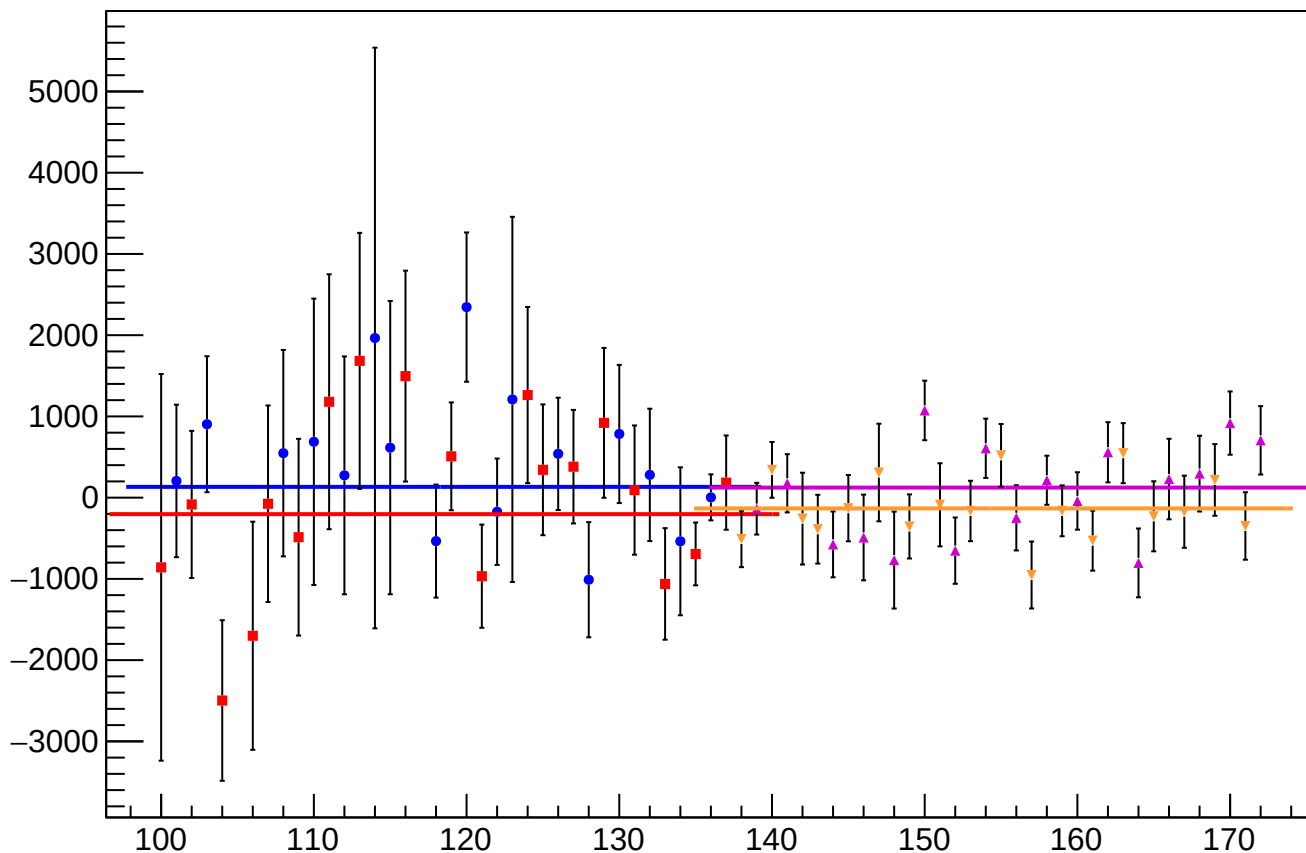
Left In: 1878.258 $\pm$ 0.371 χ^2 /NDF: 805086.7/16

+ sign 1655.025 $\pm$ 0.267 χ^2 /NDF: 1742642.4/34

All: 1664.556 $\pm$ 0.189 χ^2 /NDF: 3319801.9/70

- sign 1674.164 $\pm$ 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: -132.669 ± 95.086 χ^2/NDF : 16.7/17

Right Out: -203.062 ± 184.353 χ^2/NDF : 21.4/18

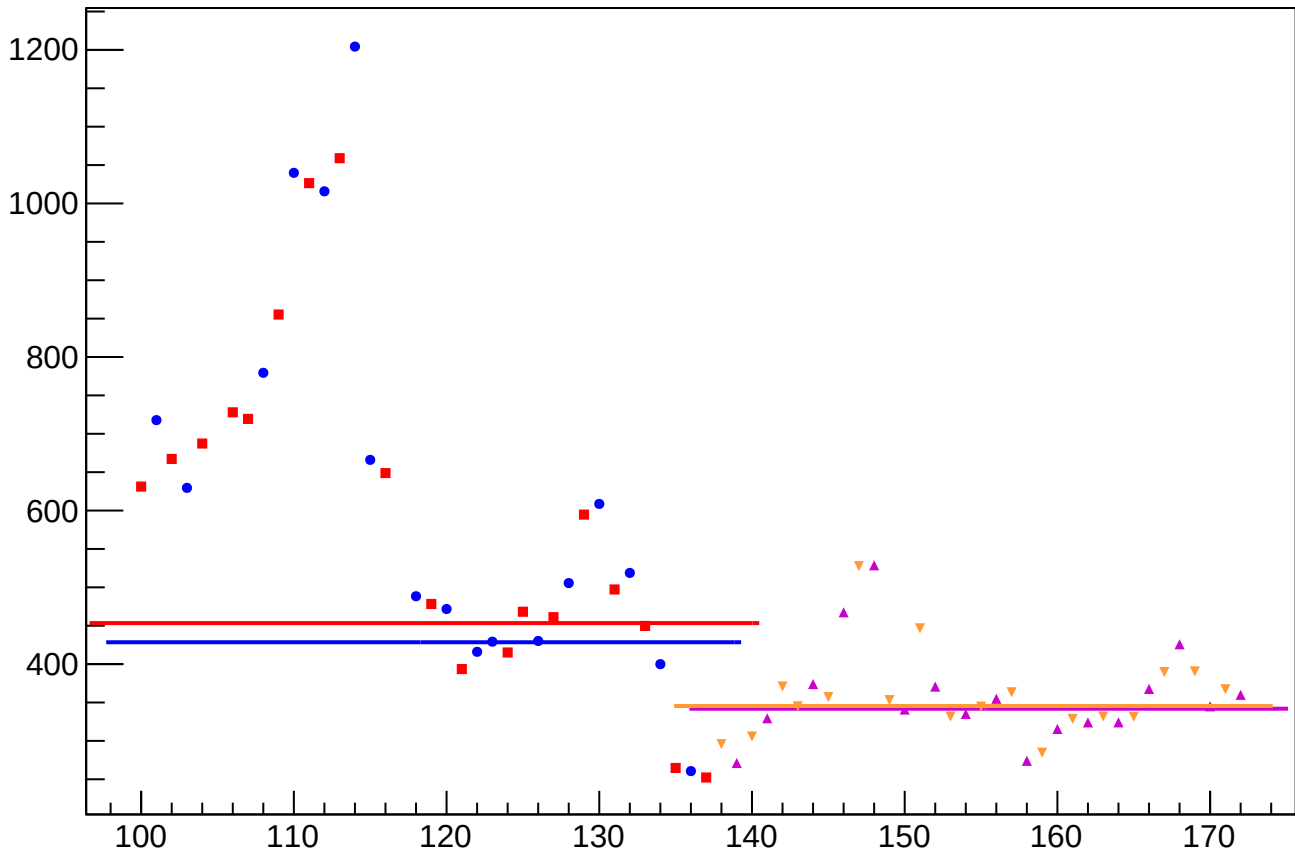
Left In: 124.005 ± 95.342 χ^2/NDF : 32.9/16

+ sign -74.861 ± 84.103 χ^2/NDF : 31.3/34

All: -10.387 ± 59.675 χ^2/NDF : 89.3/70

- 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: 345.444+/-0.067 χ^2/NDF : 473067.3/17

Right Out: 453.435+/-0.130 χ^2/NDF : 2029813.8/18

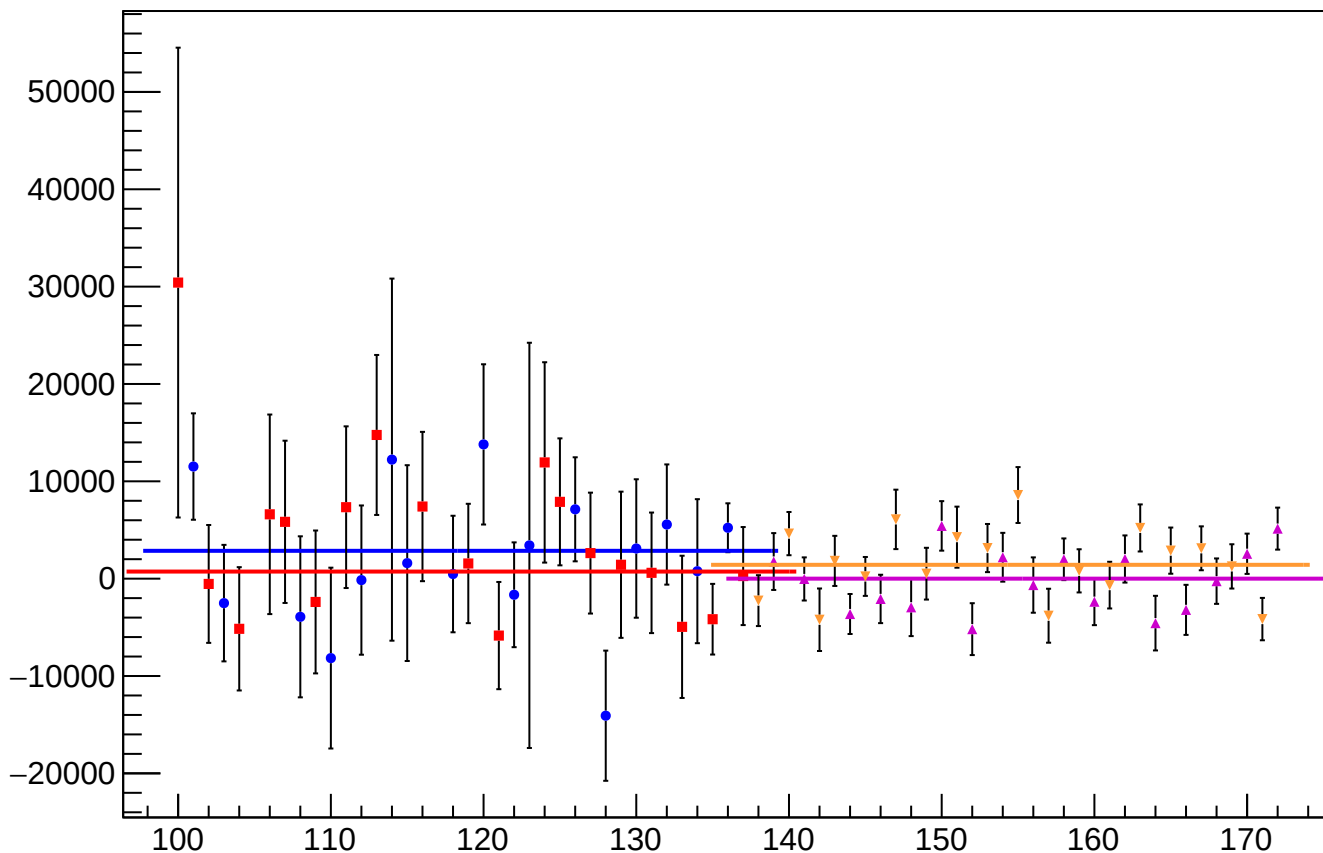
Left In: 341.914+/-0.067 χ^2/NDF : 629689.1/16

+ sign 363.513+/-0.059 χ^2/NDF : 2816339.5/34

All: 364.474+/-0.042 χ^2/NDF : 6053814.2/70

- 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: 1422.476 $\pm$ 583.177 χ^2 /NDF:31.9/17

Right Out: 729.571 $\pm$ 1509.224 χ^2 /NDF: 14.0/18

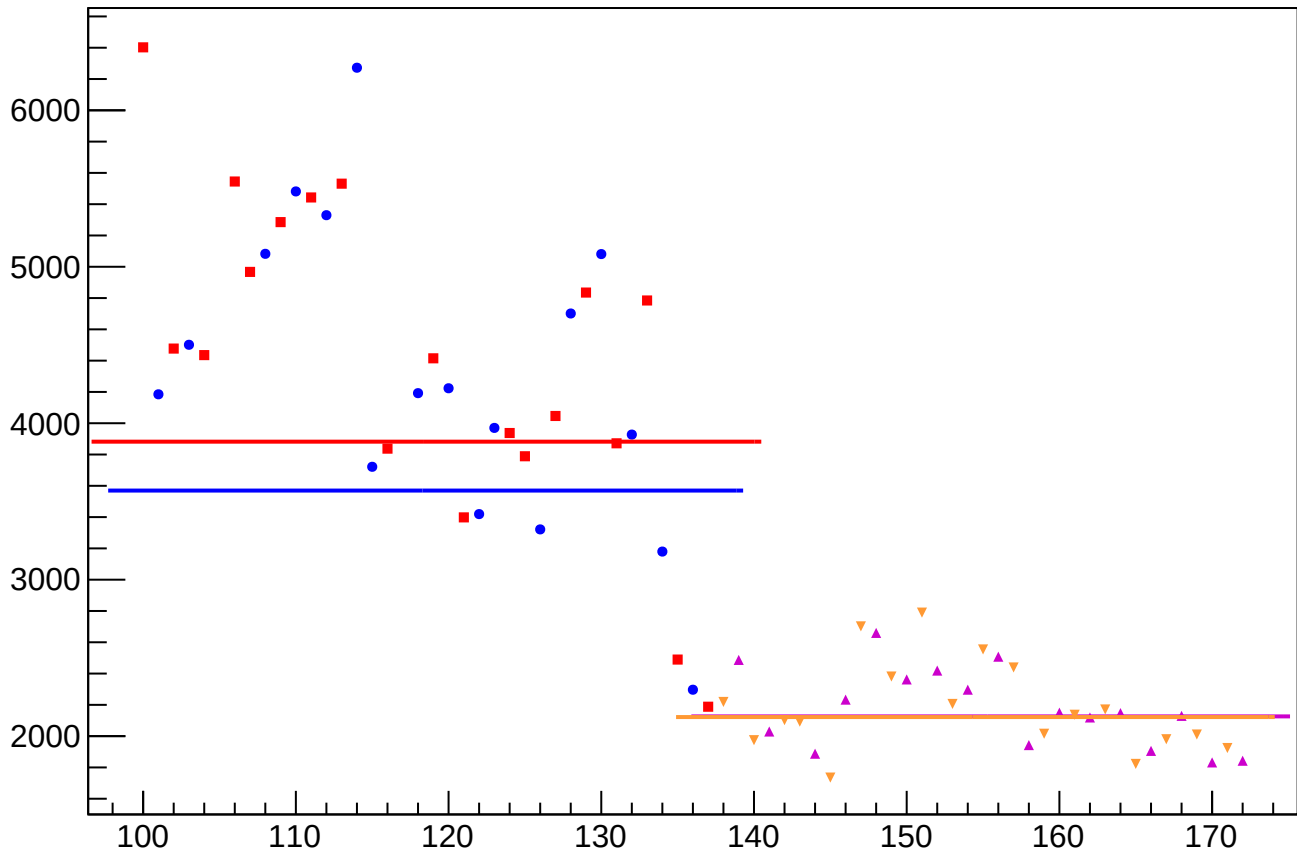
Left In: 1.320 $\pm$ 588.864 χ^2 /NDF:28.3/16

+ sign 1623.081 $\pm$ 540.946 χ^2 /NDF: 49.4/34

All: 871.005 $\pm$ 385.179 χ^2 /NDF: 95.8/70

- sign 97.539 $\pm$ 548.585 χ^2 /NDF: 42.5/35

asym_sam2_rms vs Slug



Right In: 3569.631 $\pm$ 1.024 χ^2 /NDF: 1087935.4/16

Left Out: 2121.953 $\pm$ 0.412 χ^2 /NDF: 408973.3/17

Right Out: 3882.169 $\pm$ 1.067 χ^2 /NDF: 983087.5/18

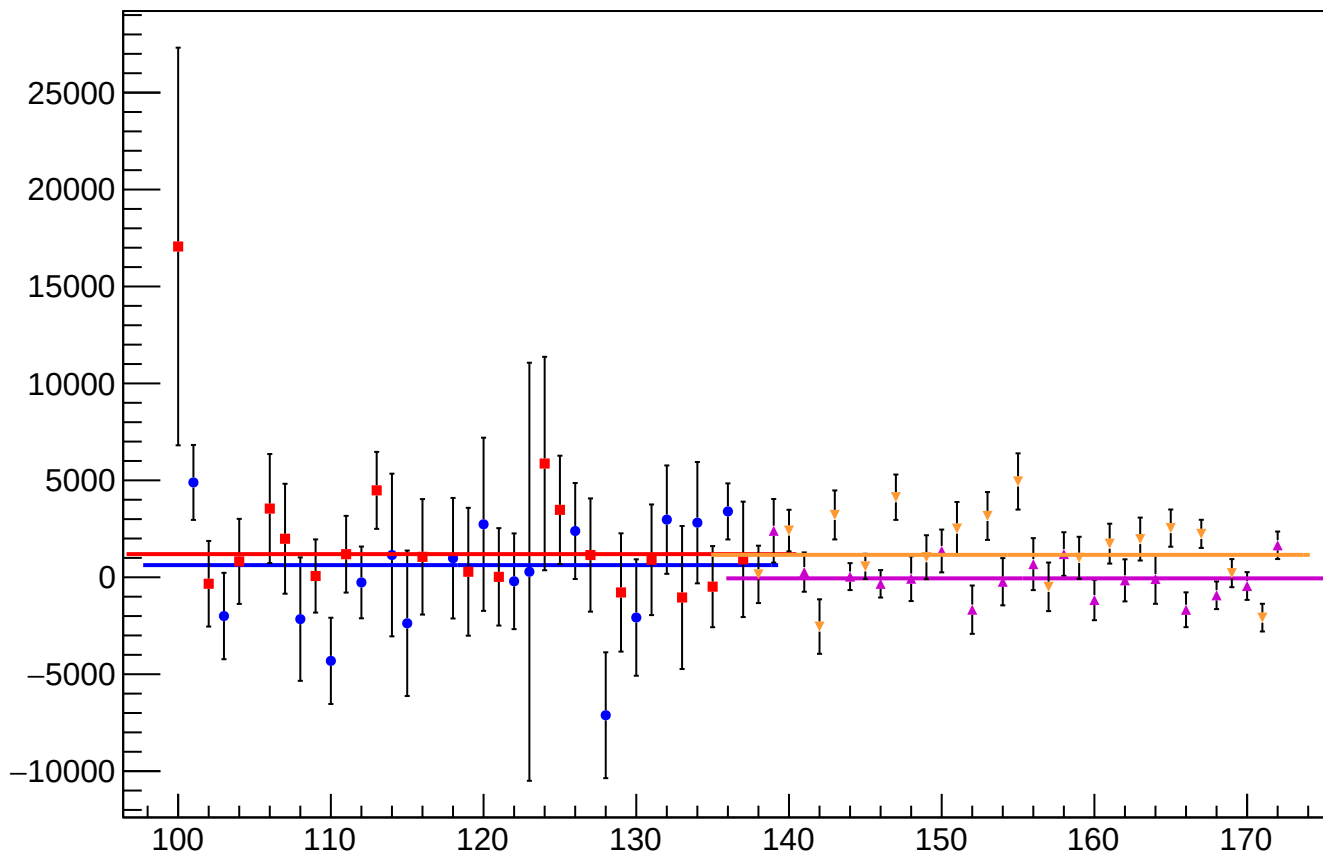
Left In: 2126.253 $\pm$ 0.416 χ^2 /NDF: 321508.2/16

+ sign 2324.028 $\pm$ 0.383 χ^2 /NDF: 3217248.1/34

All: 2340.900 $\pm$ 0.272 χ^2 /NDF: 6875355.3/70

- sign 2358.251 $\pm$ 0.388 χ^2 /NDF: 3654161.0/35

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1156.794 ± 235.098 χ^2/NDF : 58.3/17

Right Out: 1195.385 ± 603.058 χ^2/NDF : 9.9/18

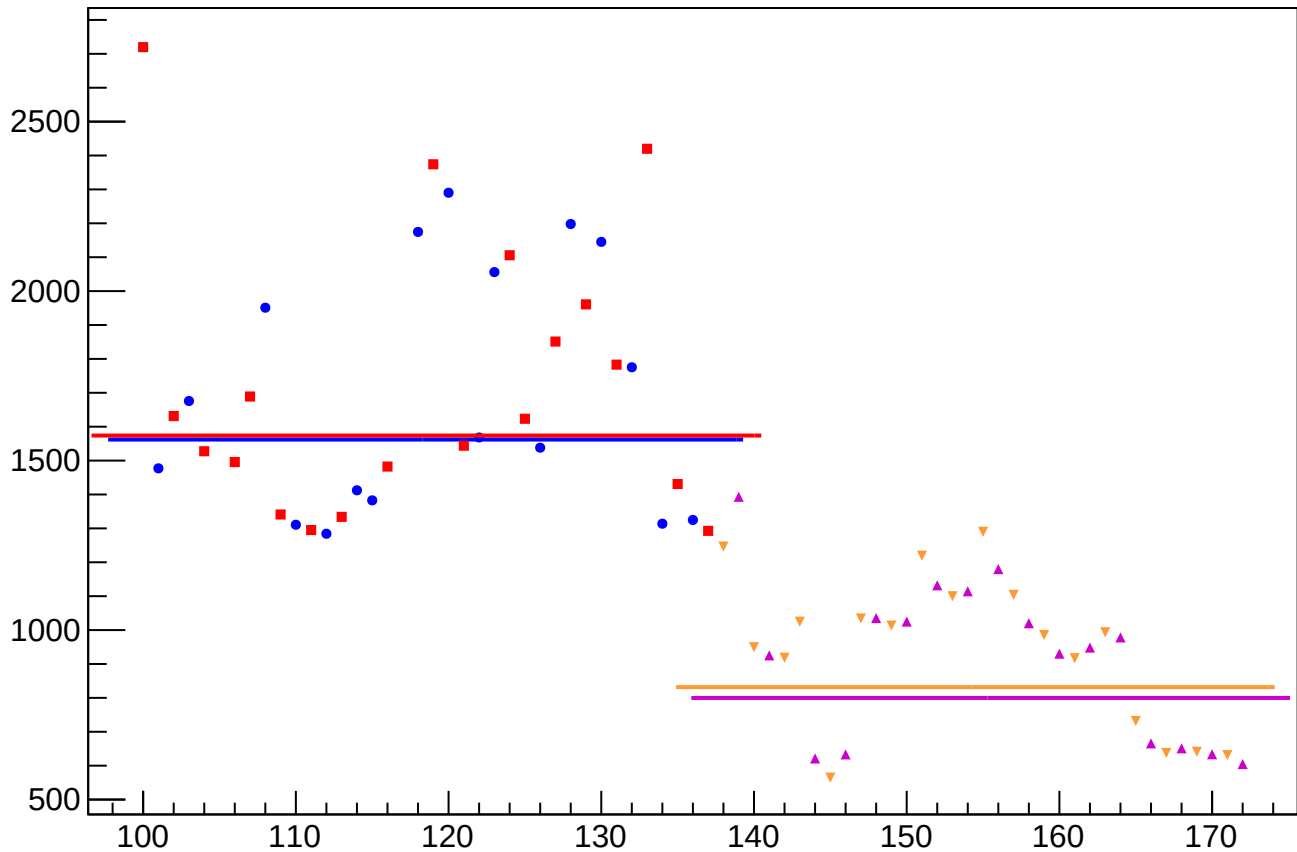
Left In: -55.299 ± 228.356 χ^2/NDF : 19.4/16

+ sign 1090.450 ± 219.866 χ^2/NDF : 84.0/34

All: 581.606 ± 153.190 χ^2/NDF : 127.5/70

- sign 101.542 ± 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: 831.573 $\pm$ 0.166 χ^2 /NDF: 1789776.1/17

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

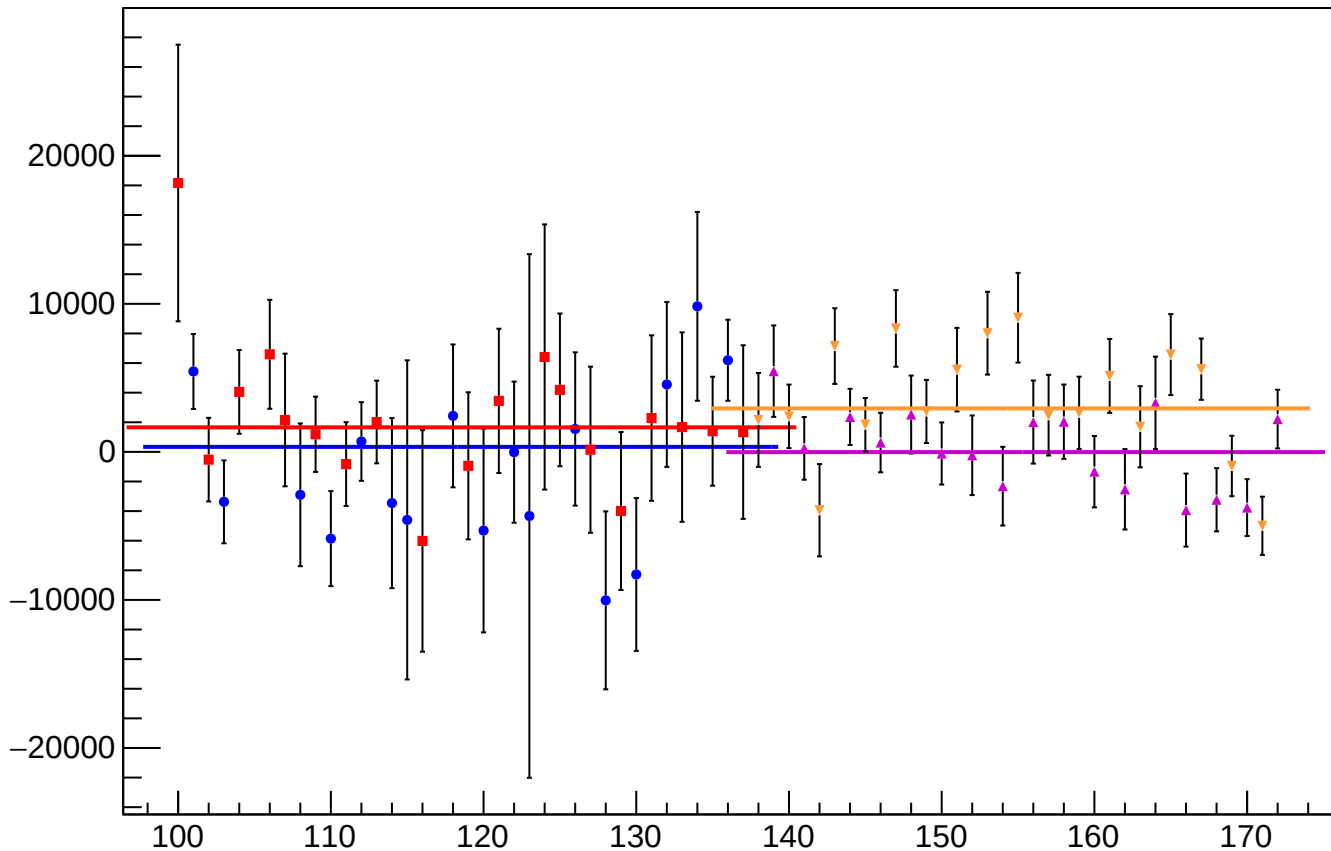
Left In: 799.773 $\pm$ 0.161 χ^2 /NDF: 1713544.7/16

+ sign 923.168 $\pm$ 0.155 χ^2 /NDF: 4693106.8/34

All: 909.627 $\pm$ 0.108 χ^2 /NDF: 9767761.0/70

- 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: 2938.898 ± 570.098 χ^2/NDF : 45.0/17

Right Out: 1658.069 ± 924.453 χ^2/NDF : 10.3/18

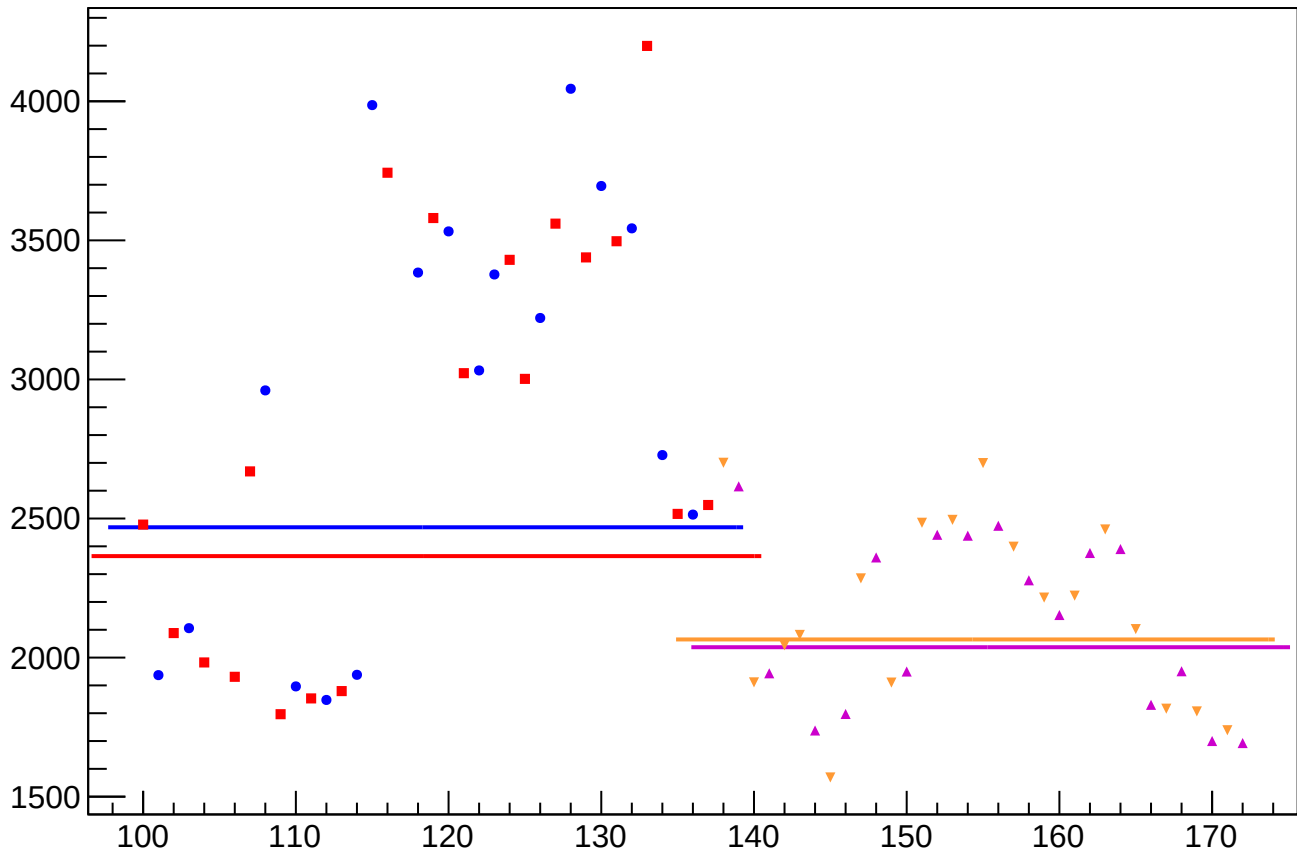
Left In: -16.027 ± 567.081 χ^2/NDF : 19.9/16

+ sign 2296.933 ± 494.760 χ^2/NDF : 74.9/34

All: 1347.731 ± 345.755 χ^2/NDF : 114.6/70

- 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: 2065.232+/-0.403 χ^2/NDF : 651407.6/17

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

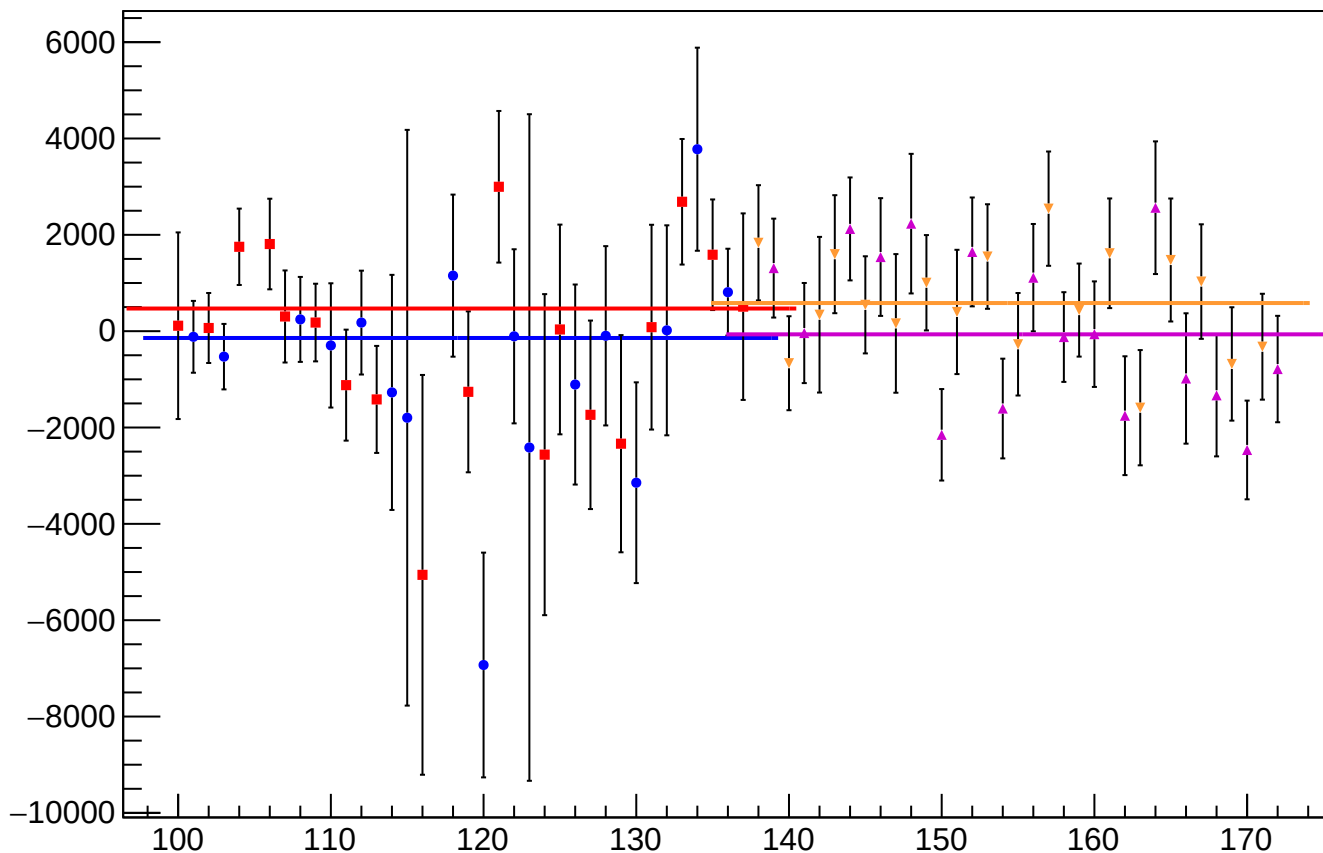
Left In: 2037.284+/-0.401 χ^2/NDF : 544325.7/16

+ sign 2164.770+/-0.350 χ^2/NDF : 1794564.9/34

All: 2145.363+/-0.244 χ^2/NDF : 3552499.8/70

- 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: 584.163 ± 269.731 χ^2/NDF : 14.5/17

Right Out: 470.143 ± 282.892 χ^2/NDF : 22.9/18

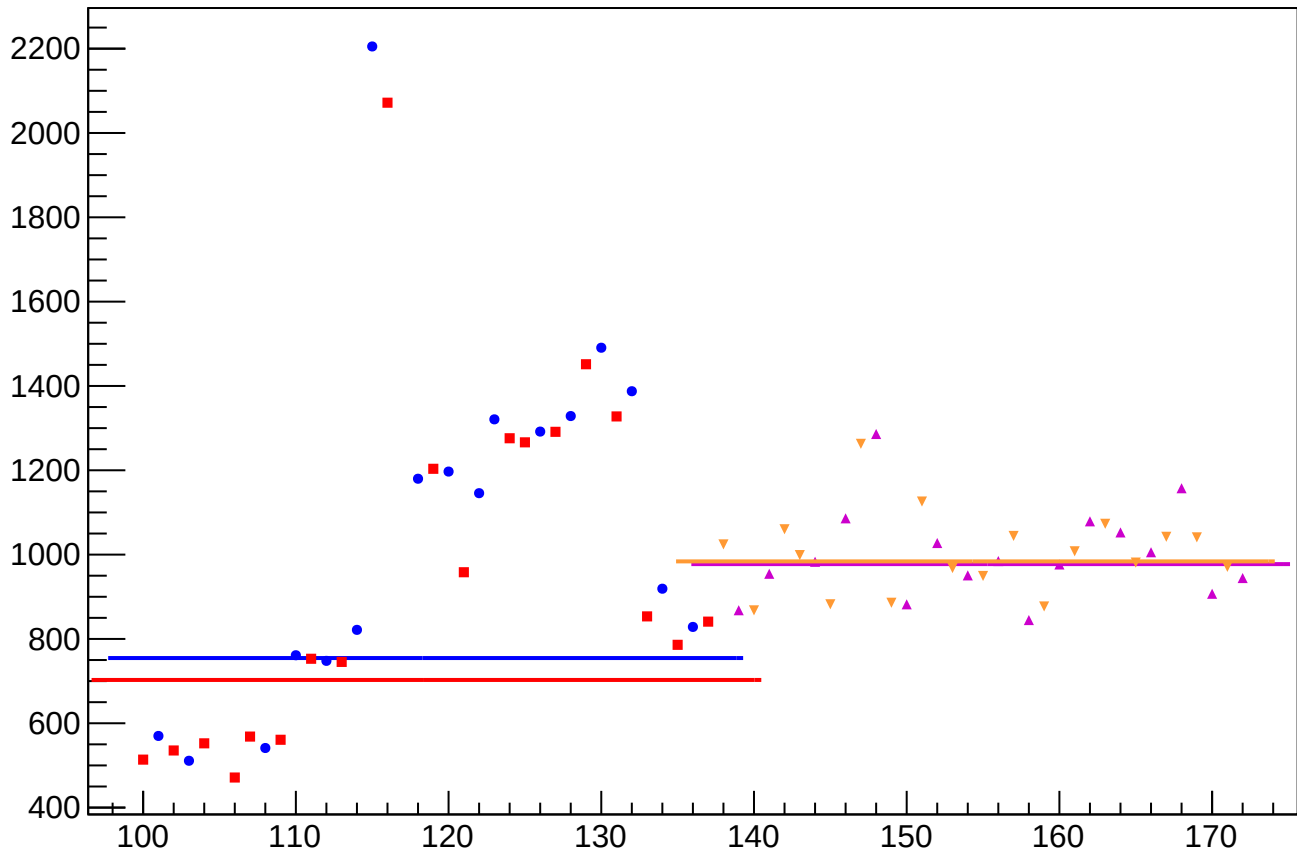
Left In: -65.652 ± 270.797 χ^2/NDF : 33.6/16

+ sign 275.401 ± 204.417 χ^2/NDF : 34.5/34

All: 231.108 ± 141.331 χ^2/NDF : 93.0/70

- 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: 983.928 $\pm$ 0.191 χ^2 /NDF:228700.2/17

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

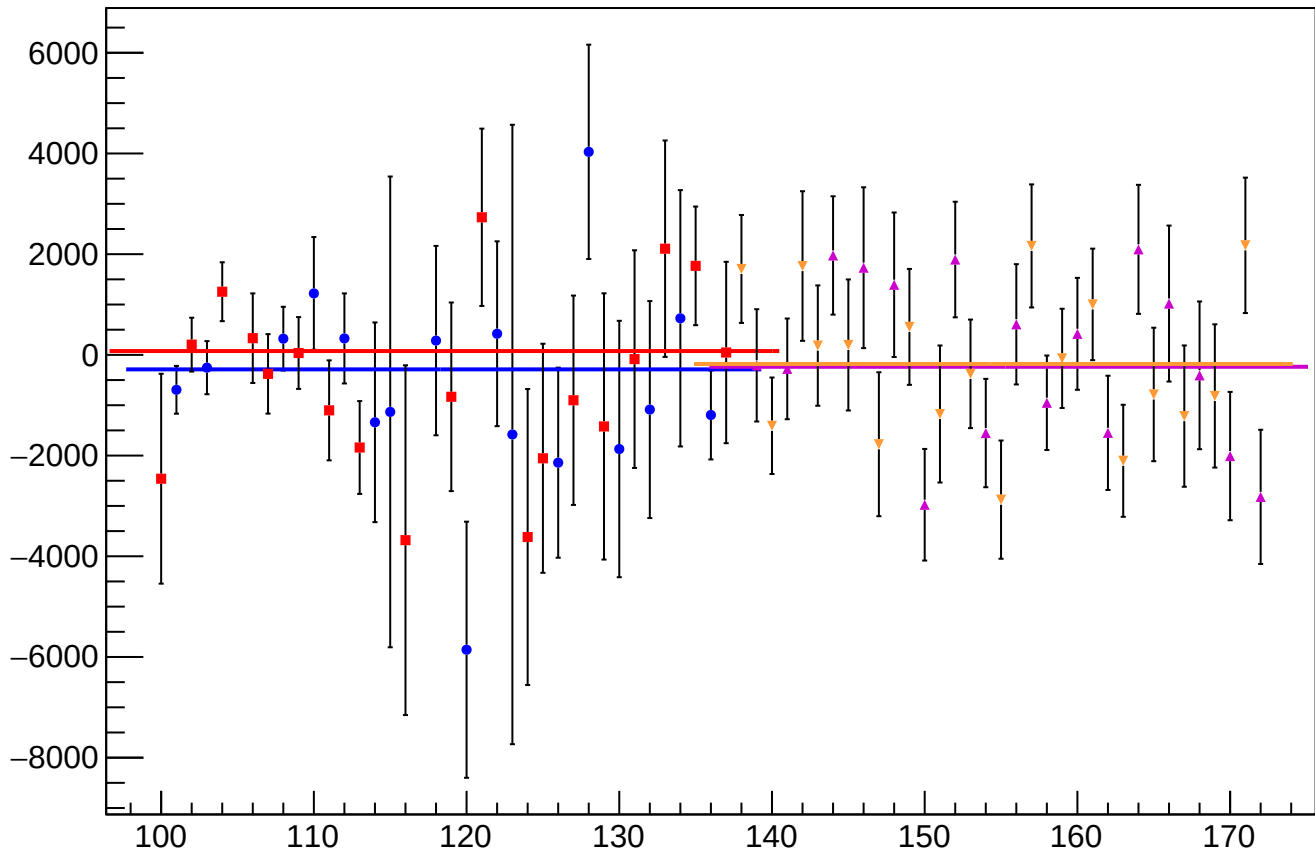
Left In: 977.464 $\pm$ 0.191 χ^2 /NDF:268198.4/16

+ sign 886.348 $\pm$ 0.145 χ^2 /NDF: 2534249.4/34

All: 865.335 $\pm$ 0.100 χ^2 /NDF: 5518943.7/70

- sign 846.092 $\pm$ 0.138 χ^2 /NDF: 2944206.2/35

asym_sam6_mean vs Slug



Right In: -288.037 $\pm$ 250.436 χ^2 /NDF: 16.2/16

Left Out: -180.899 $\pm$ 282.629 χ^2 /NDF: 26.0/17

Right Out: 76.119 $\pm$ 246.083 χ^2 /NDF: 21.4/18

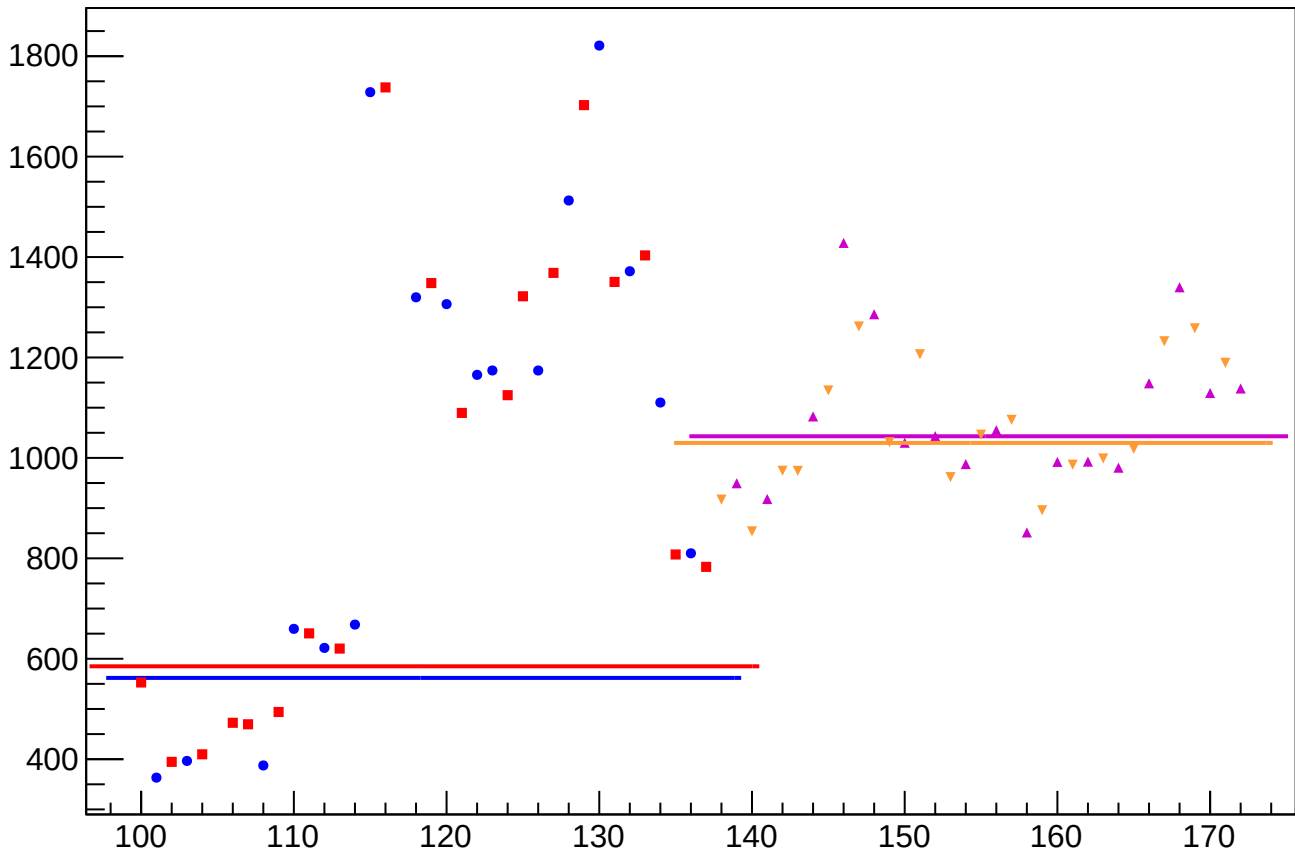
Left In: -236.423 $\pm$ 289.467 χ^2 /NDF: 29.8/16

+ sign -240.915 $\pm$ 187.438 χ^2 /NDF: 42.2/34

All: -147.982 $\pm$ 132.557 χ^2 /NDF: 94.6/70

- sign -54.999 $\pm$ 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: 1029.861 $\pm$ 0.200 χ^2 /NDF:370296.4/17

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

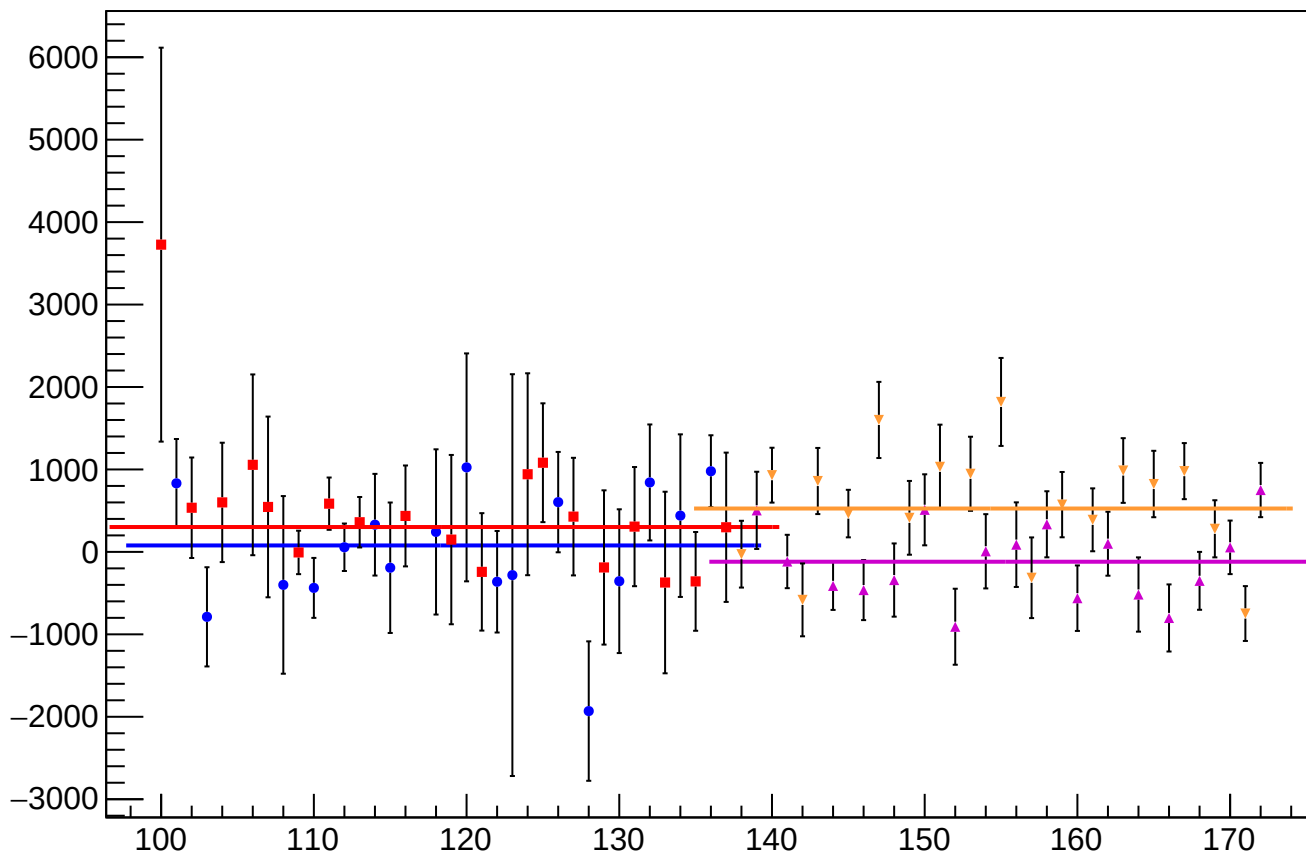
Left In: 1043.070 $\pm$ 0.205 χ^2 /NDF:433634.0/16

+ sign 767.718 $\pm$ 0.133 χ^2 /NDF: 6658447.4/34

All: 772.440 $\pm$ 0.094 χ^2 /NDF: 12826414.5/70

- 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: 526.114 ± 92.624 χ^2/NDF : 45.5/17

Right Out: 301.651 ± 129.650 χ^2/NDF : 9.1/18

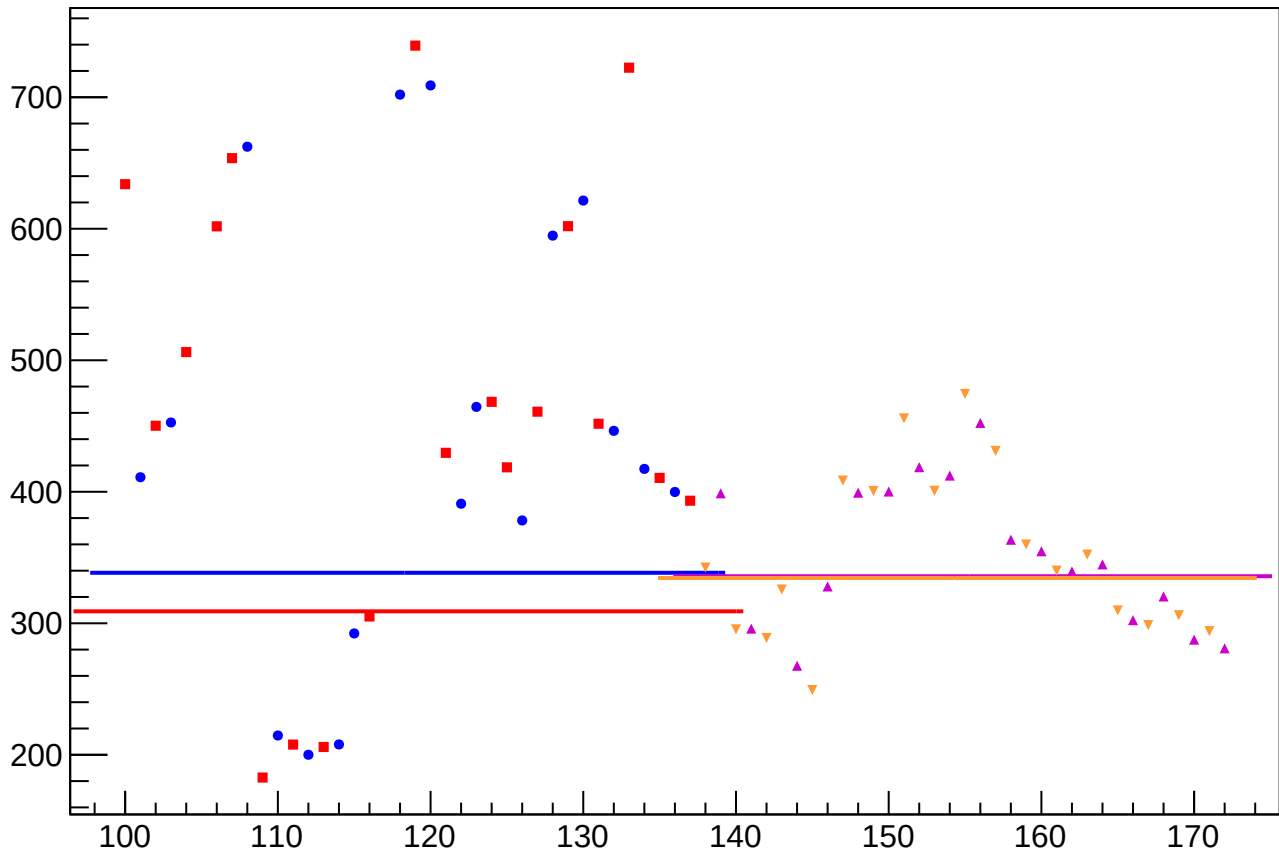
Left In: -119.328 ± 93.534 χ^2/NDF : 23.4/16

+ sign 393.560 ± 77.720 χ^2/NDF : 72.2/34

All: 204.690 ± 54.285 χ^2/NDF : 123.1/70

- 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: 334.450 $\pm$ 0.065 χ^2 /NDF: 777417.7/17

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

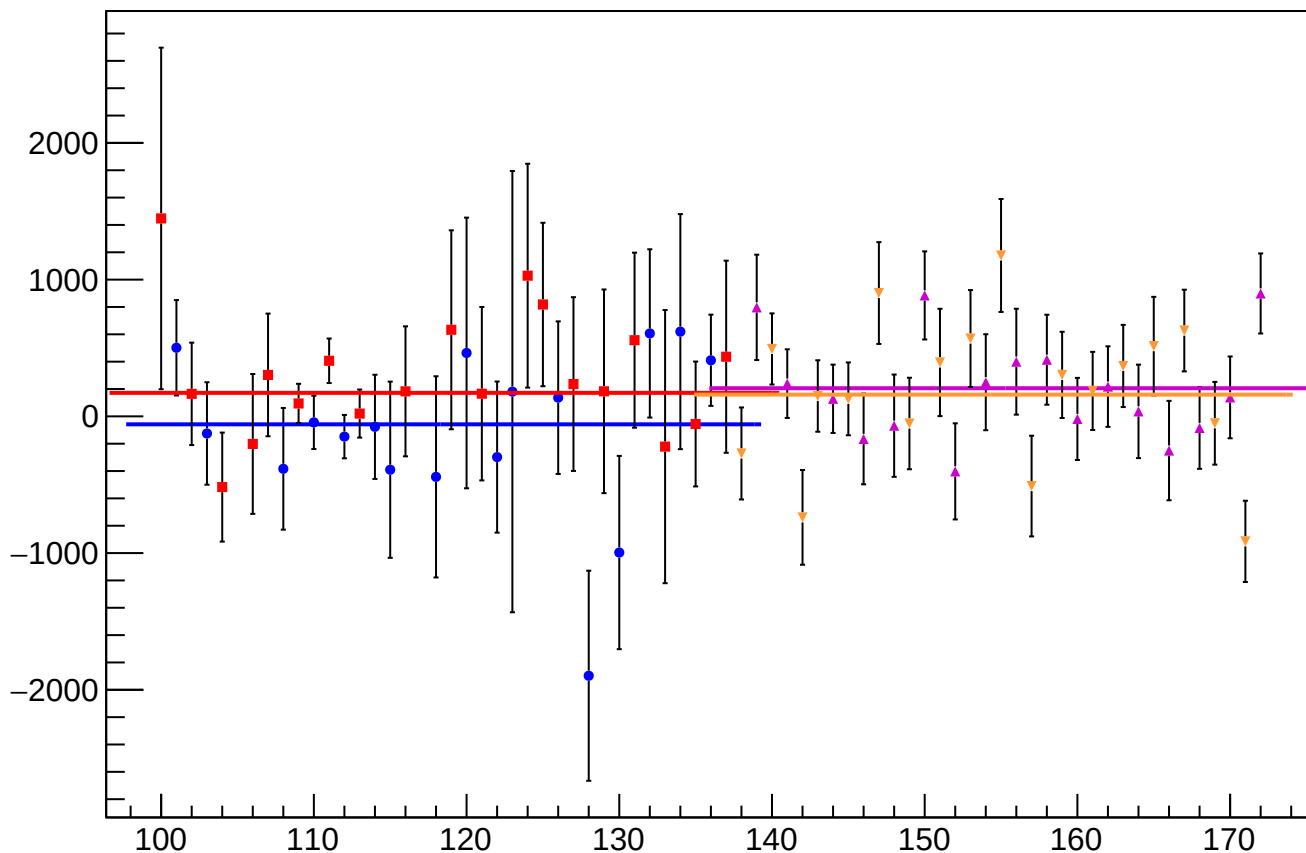
Left In: 335.777 $\pm$ 0.066 χ^2 /NDF: 620078.7/16

+ sign 335.621 $\pm$ 0.055 χ^2 /NDF: 2787785.3/34

All: 331.021 $\pm$ 0.038 χ^2 /NDF: 6210782.2/70

- 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: 158.920 ± 74.735 χ^2/NDF : 43.1/17

Right Out: 171.954 ± 76.920 χ^2/NDF : 11.3/18

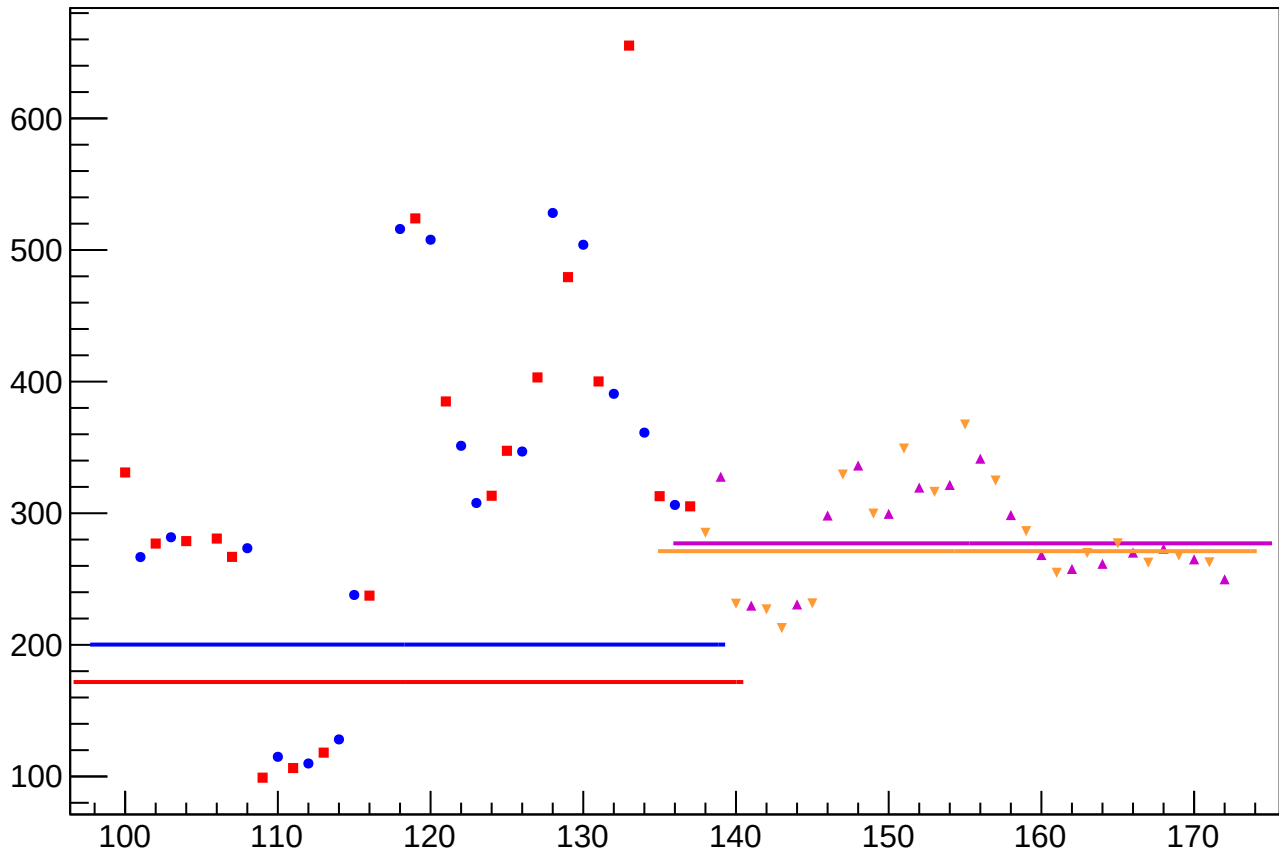
Left In: 205.606 ± 76.839 χ^2/NDF : 21.3/16

+ sign 70.831 ± 57.622 χ^2/NDF : 62.4/34

All: 133.245 ± 39.542 χ^2/NDF : 97.4/70

- sign 188.798 ± 54.362 χ^2/NDF : 32.8/35

asym_sam8_rms vs Slug



Right In: 200.209 $\pm$ 0.064 χ^2 /NDF: 3387197.7/16

Left Out: 271.180 $\pm$ 0.053 χ^2 /NDF: 568455.9/17

Right Out: 171.757 $\pm$ 0.054 χ^2 /NDF: 4093922.6/18

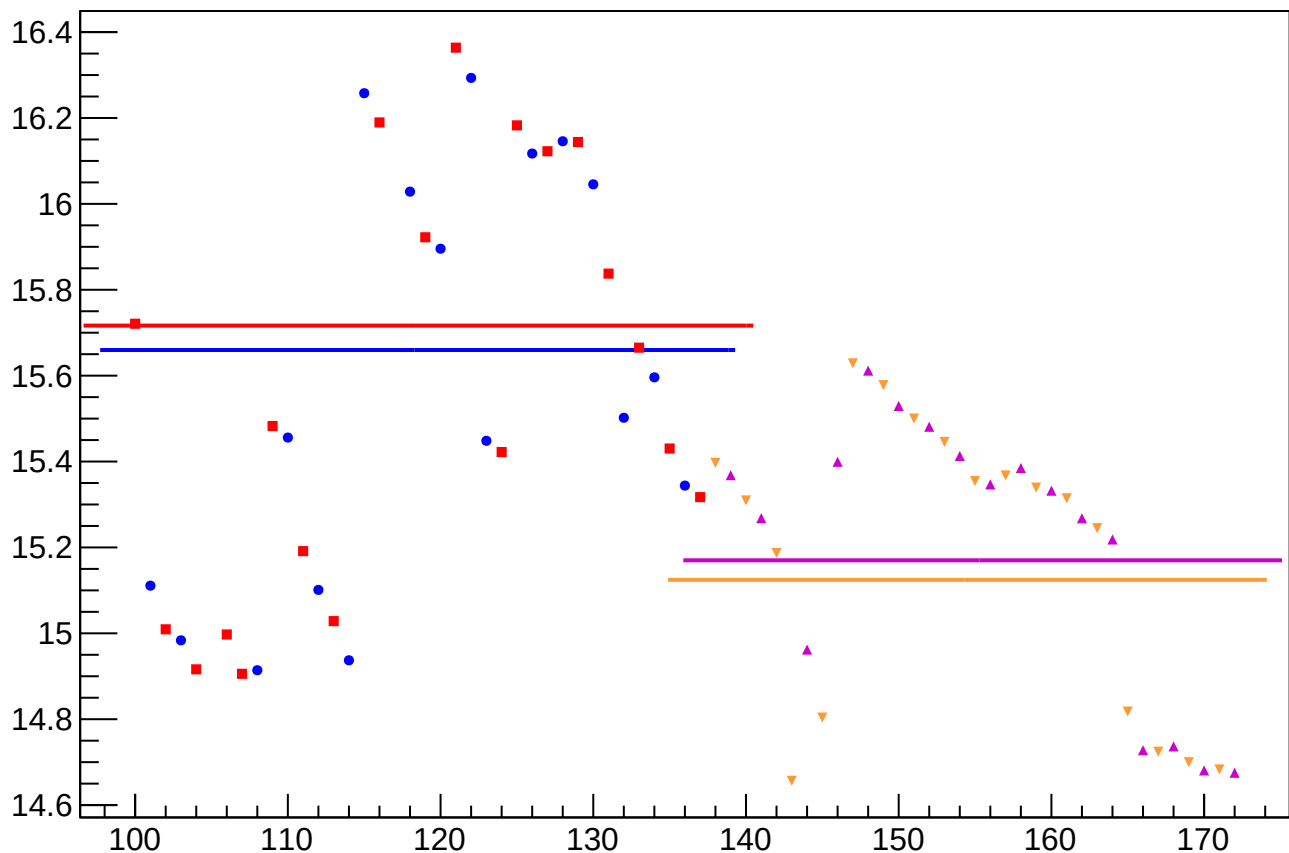
Left In: 277.124 $\pm$ 0.054 χ^2 /NDF: 403541.0/16

+ sign 242.399 $\pm$ 0.041 χ^2 /NDF: 4687088.7/34

All: 232.927 $\pm$ 0.028 χ^2 /NDF: 11165115.4/70

- sign 224.496 $\pm$ 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: 15.125 $\pm$ 0.000 χ^2 /NDF: 12131802372.0/17

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

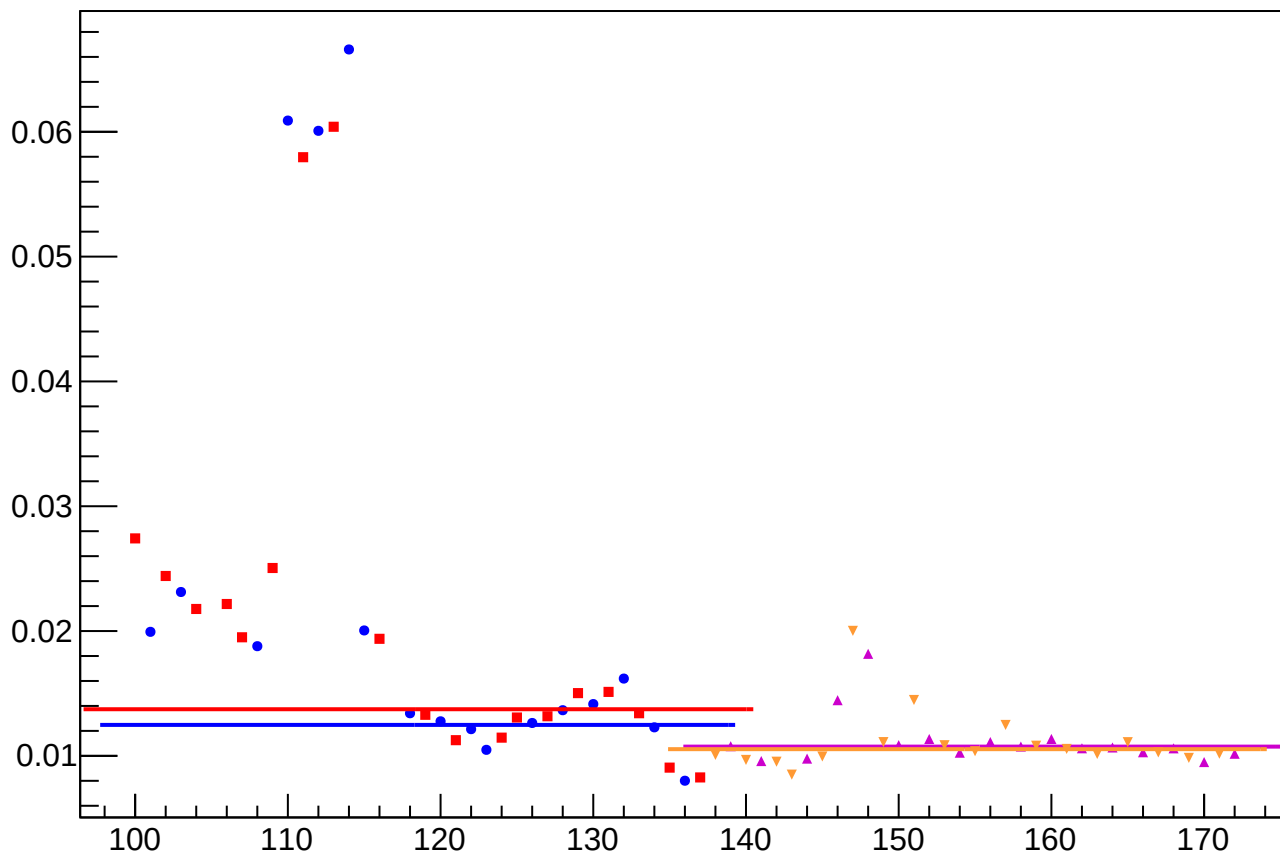
Left In: 15.170 $\pm$ 0.000 χ^2 /NDF: 10047364236.9/16

+ sign 15.246 $\pm$ 0.000 χ^2 /NDF: 25247628643.6/34

All: 15.265 $\pm$ 0.000 χ^2 /NDF: 47668994230.9

- 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: 0.011 $\pm$ 0.000 χ^2 /NDF:601741.7/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

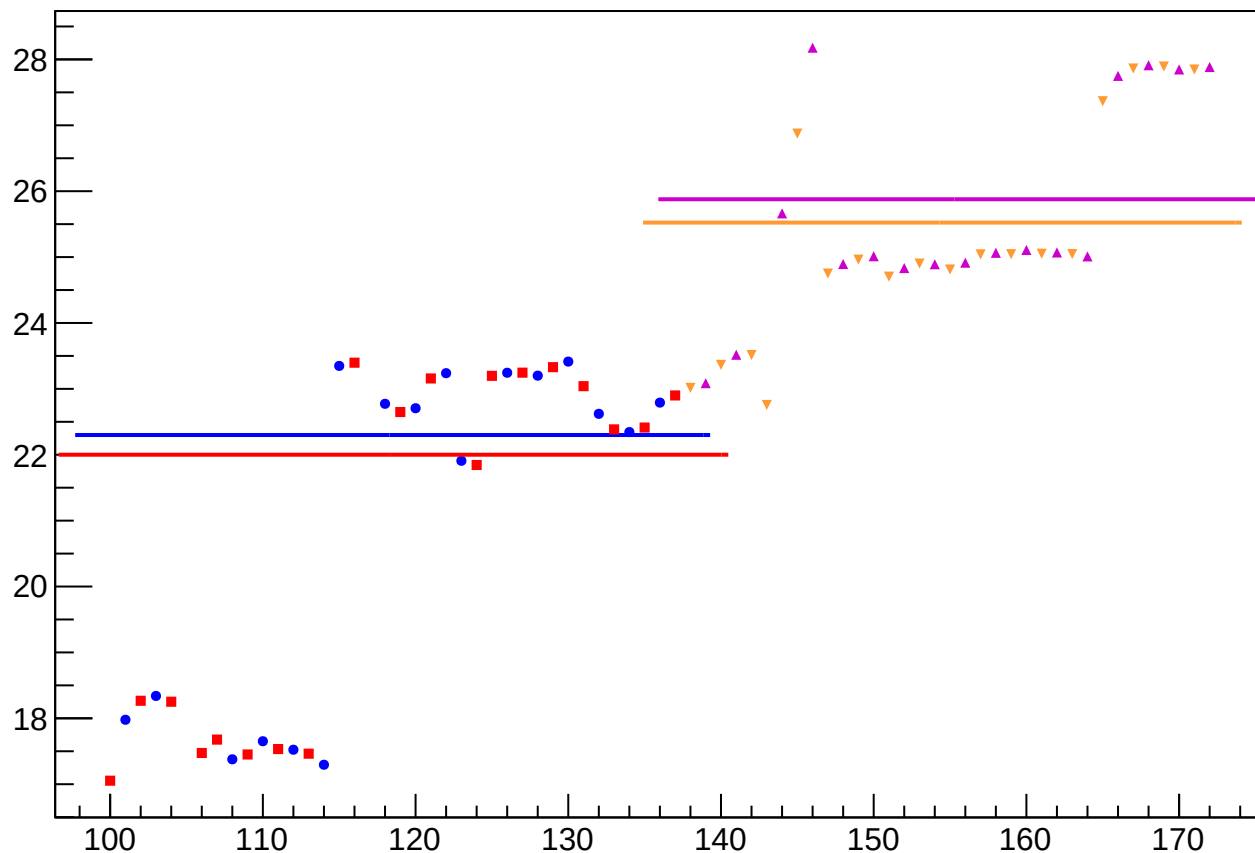
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:438633.5/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2948125.5/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5895078.8/70

- 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: 25.524+/-0.000 χ^2/NDF : 2667394186.8/17

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

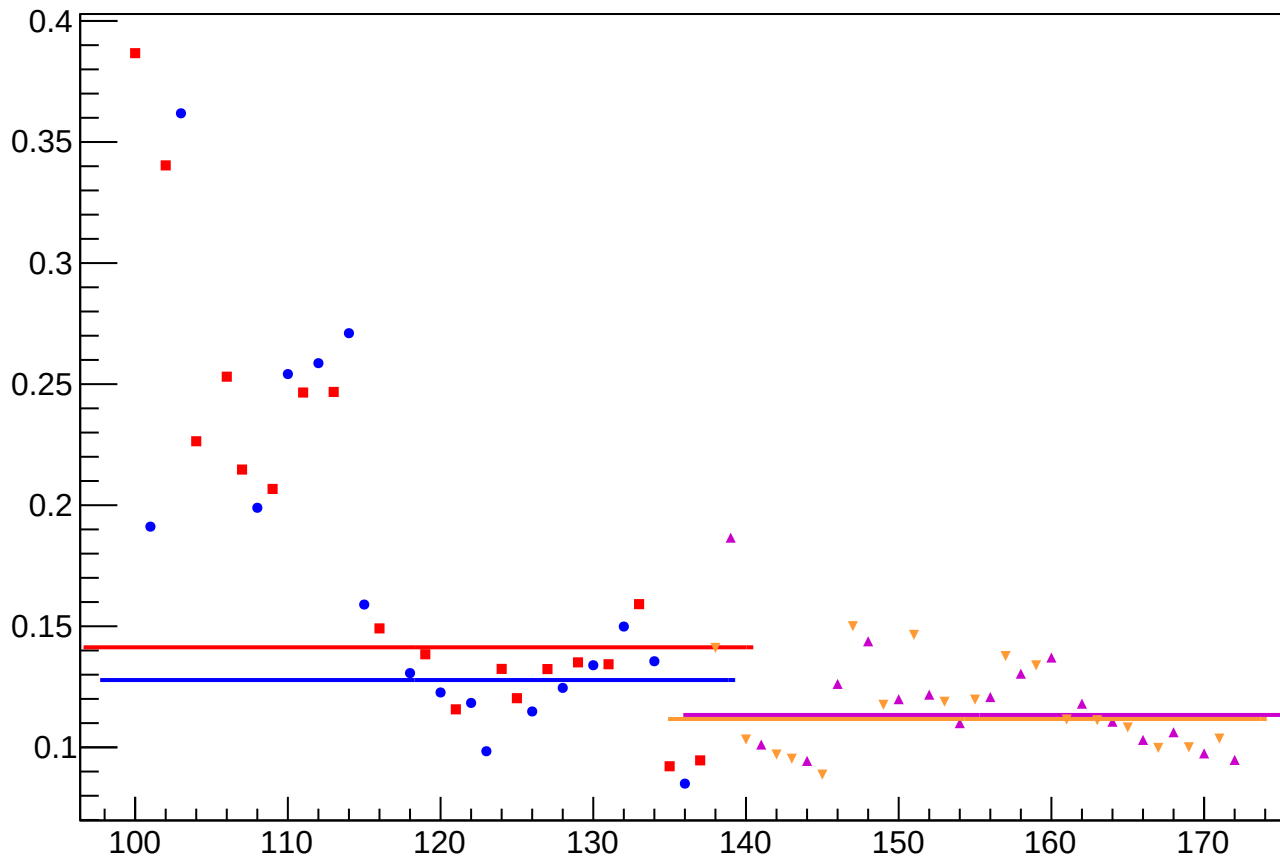
Left In: 25.878+/-0.000 χ^2/NDF : 2108081416.9/16

+ sign 24.714+/-0.000 χ^2/NDF : 6016523797.5/34

All: 24.830+/-0.000 χ^2/NDF : 12382753479.4

- 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: 0.112 $\pm$ 0.000 χ^2 /NDF:520725.1/17

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1449275.1/18

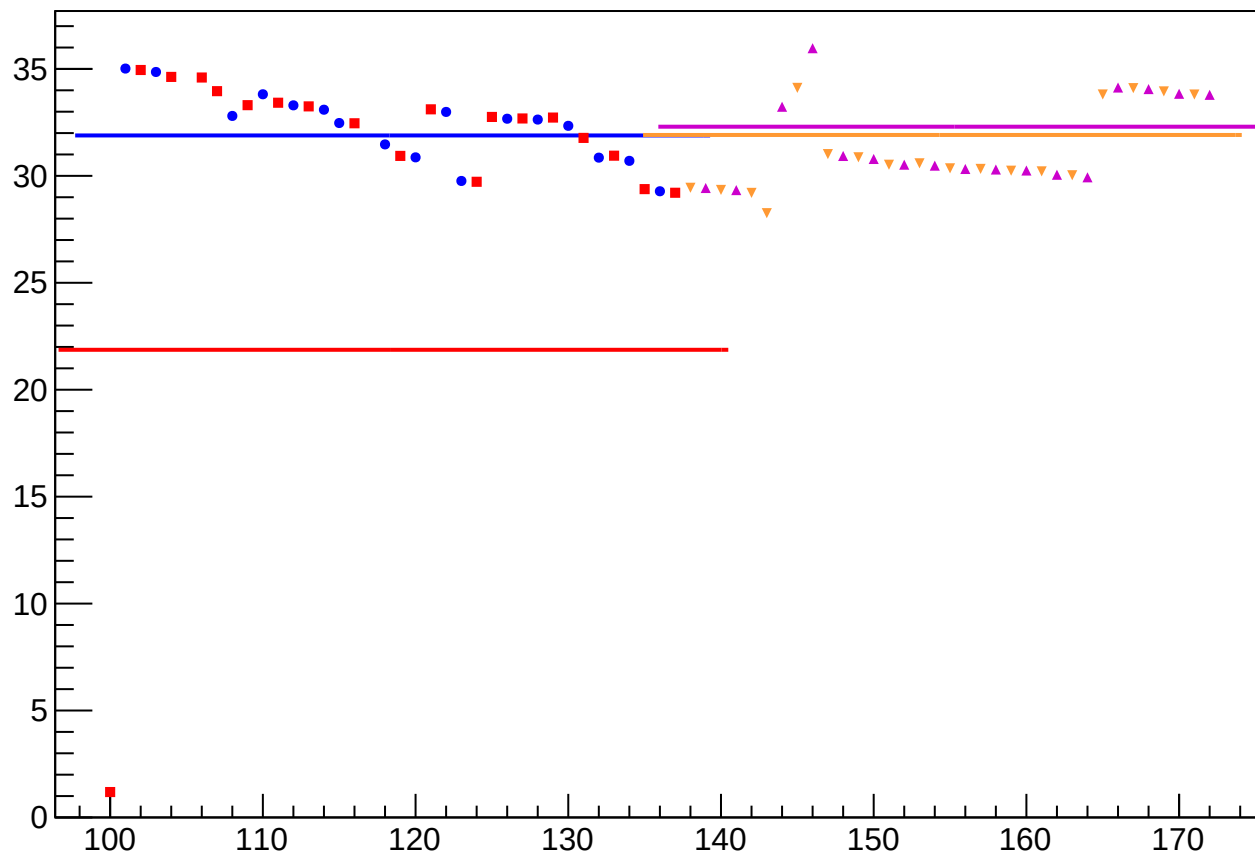
Left In: 0.113 $\pm$ 0.000 χ^2 /NDF:568433.7/16

+ sign 0.116 $\pm$ 0.000 χ^2 /NDF: 2133059.5/34

All: 0.118 $\pm$ 0.000 χ^2 /NDF: 4500724.9/70

- 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

Left Out: 31.912+/-0.000 χ^2/NDF : 10628404486.0/17

Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18

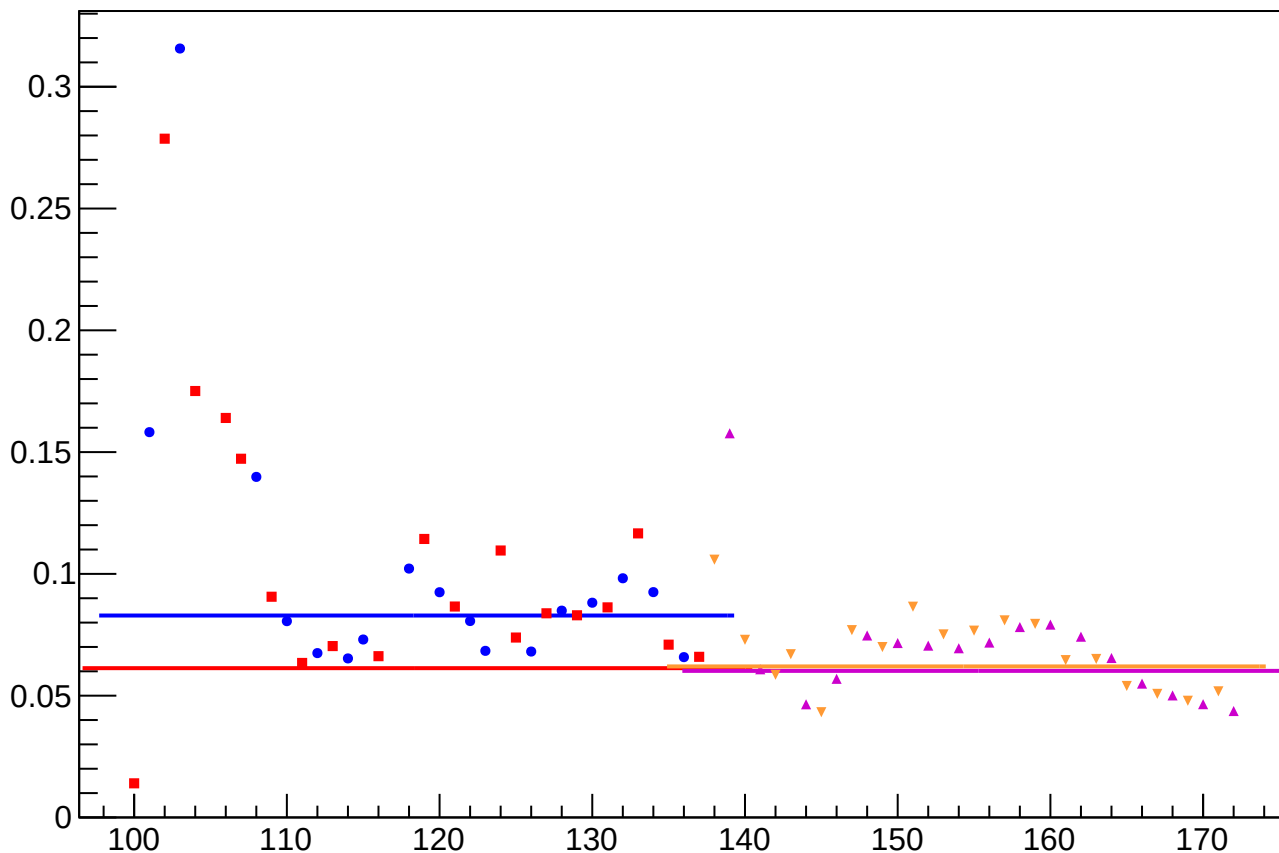
Left In: 32.299+/-0.000 χ^2/NDF : 10997888995.8/16

+ sign 31.907+/-0.000 χ^2/NDF : 12559096703.8/34

All: 30.565+/-0.000 χ^2/NDF : 348429274700.

- sign 29.375+/-0.000 χ^2/NDF : 324421297408.4/35

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.062 $\pm$ 0.000 χ^2 /NDF:1082197.2/17

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

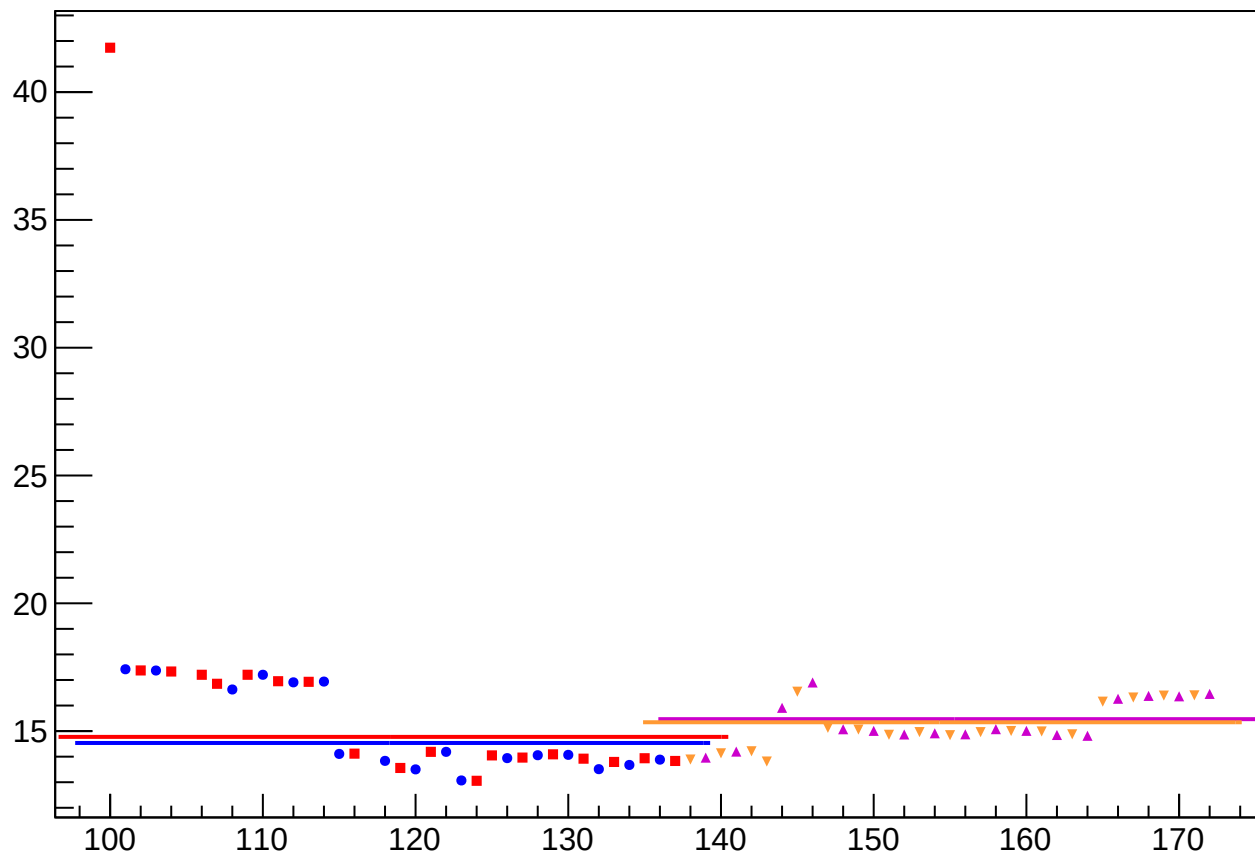
Left In: 0.060 $\pm$ 0.000 χ^2 /NDF:1356014.5/16

+ sign 0.066 $\pm$ 0.000 χ^2 /NDF: 2737626.5/34

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 7825227.0/70

- 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: 15.346+/-0.000 χ^2/NDF : 1972609481.8/17

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

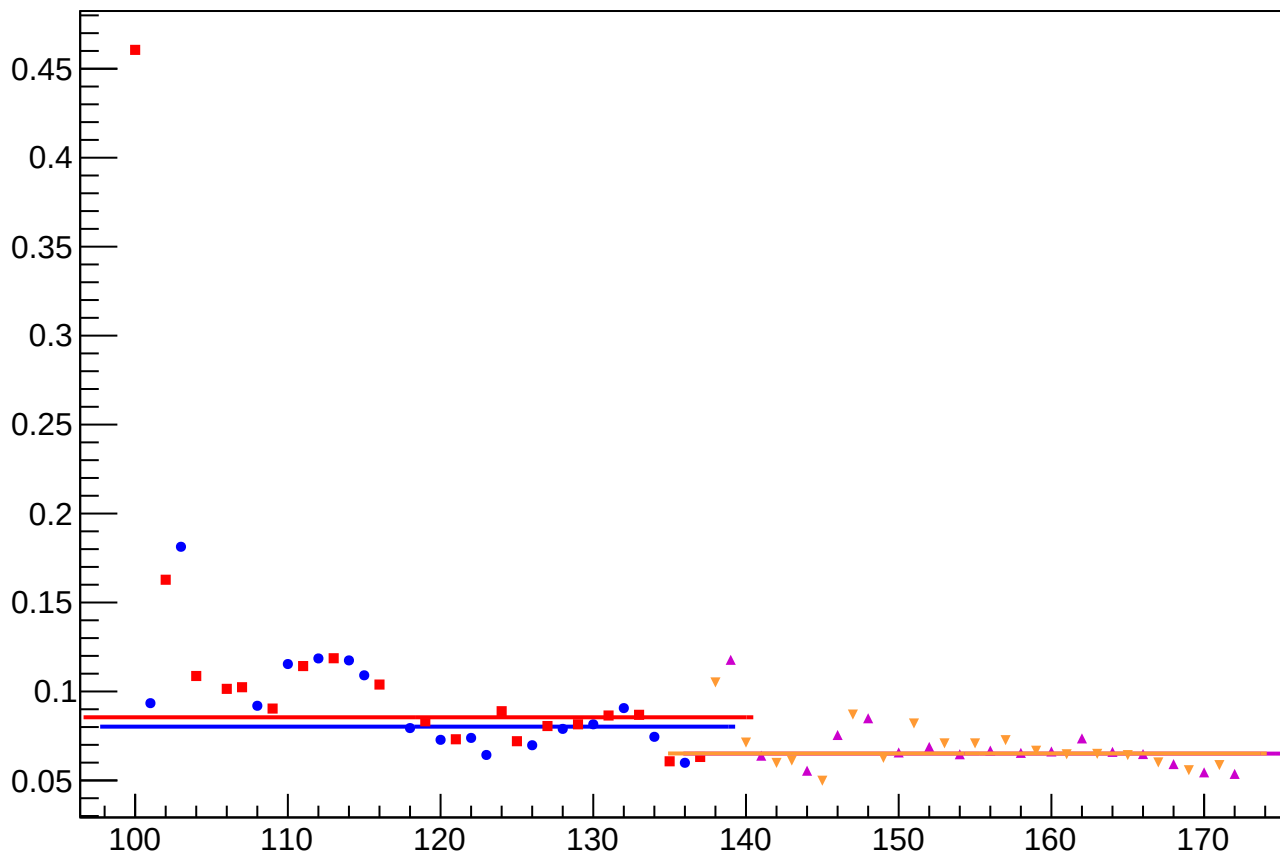
Left In: 15.467+/-0.000 χ^2/NDF : 1650890998.8/16

+ sign 15.149+/-0.000 χ^2/NDF : 3869230102.6/34

All: 15.226+/-0.000 χ^2/NDF : 7744753015.4/7

- 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: 0.065 ± 0.000 χ^2/NDF : 564542.6/17

Right Out: 0.085 ± 0.000 χ^2/NDF : 738043.0/18

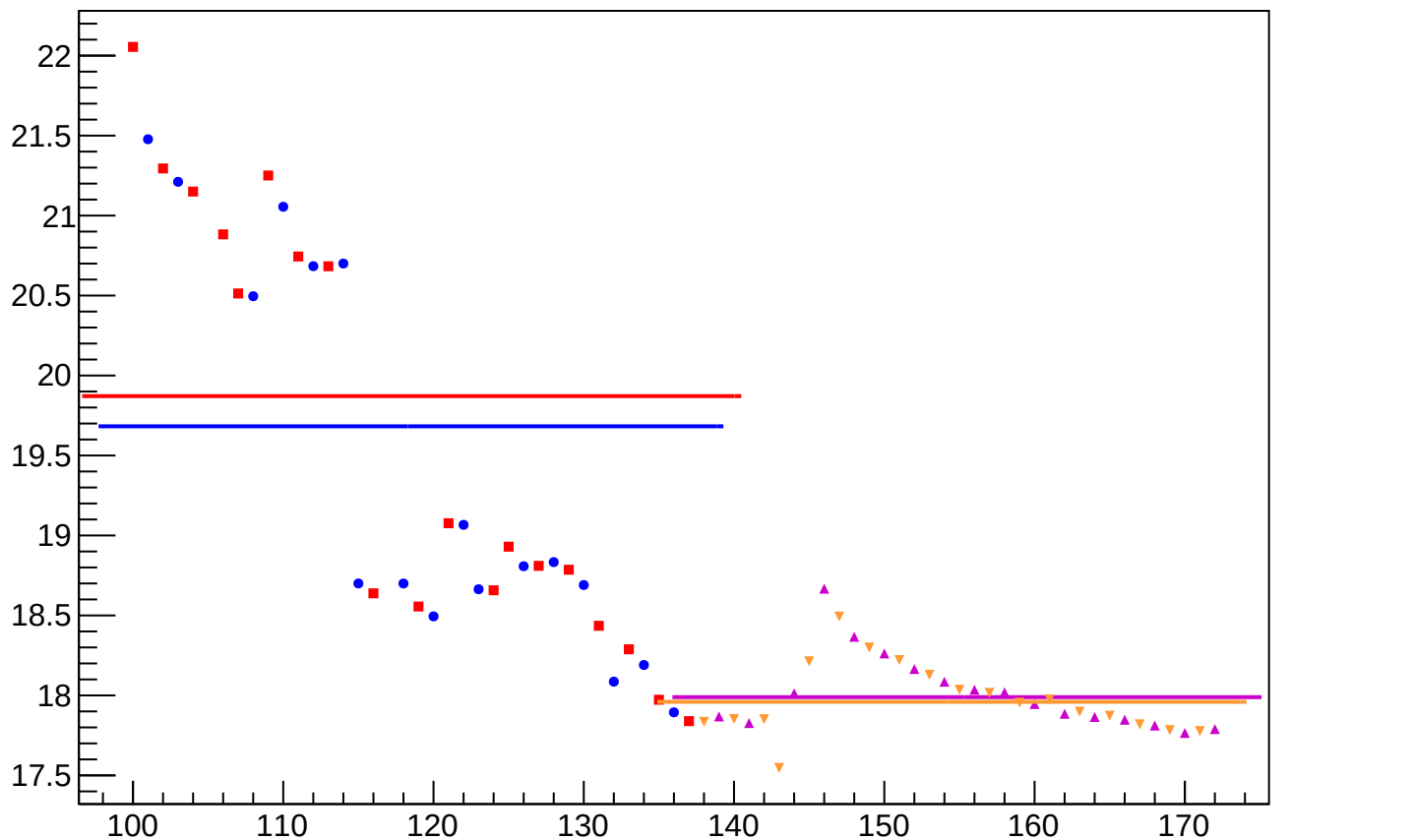
Left In: 0.065 ± 0.000 χ^2/NDF : 572592.5/16

+ sign 0.069 ± 0.000 χ^2/NDF : 1638197.7/34

All: 0.069 ± 0.000 χ^2/NDF : 3465278.8/70

- 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: 17.960+/-0.000 χ^2/NDF : 533245476.1/17

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

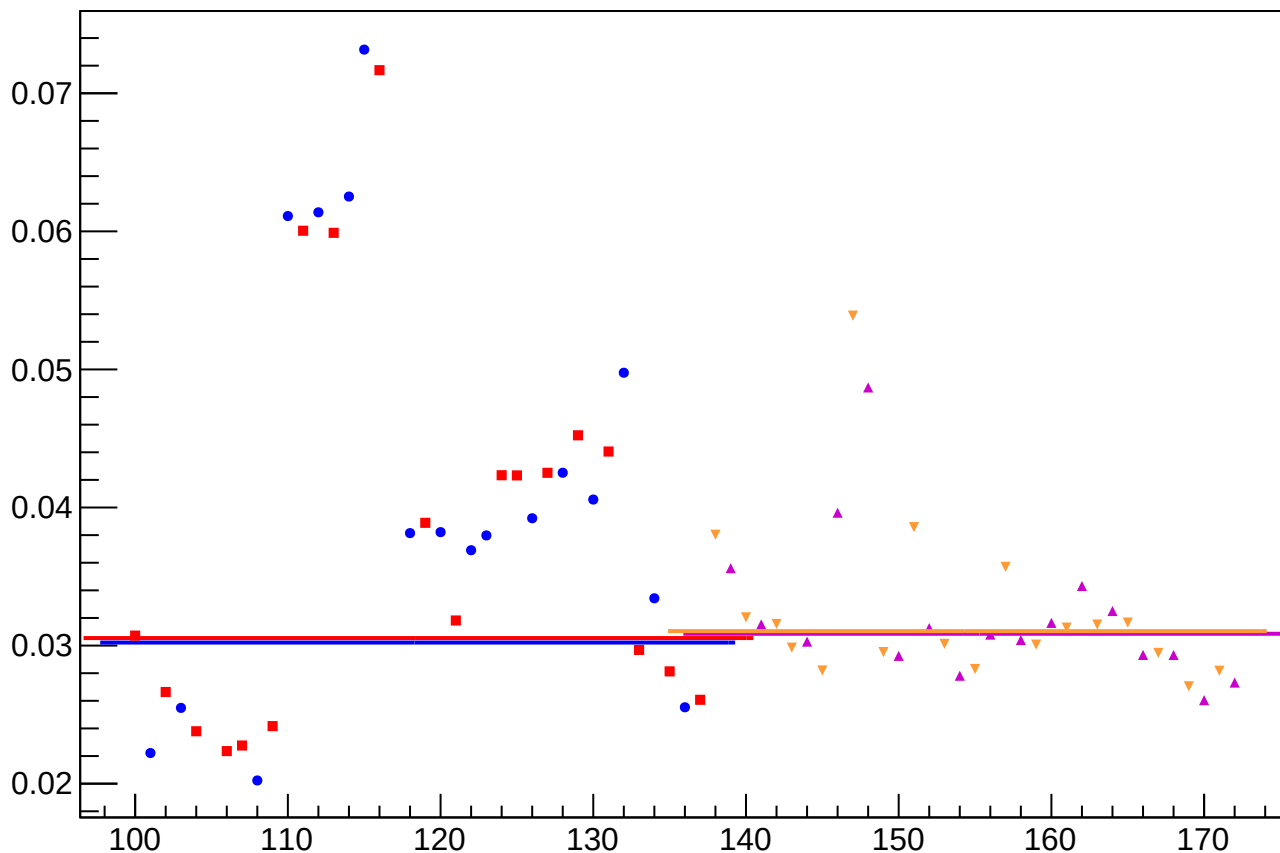
Left In: 17.989+/-0.000 χ^2/NDF : 560345711.2/16

+ sign 18.505+/-0.000 χ^2/NDF : 25210368921.8/34

All: 18.553+/-0.000 χ^2/NDF : 52309867268.3

- 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 : 492613.7/17

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

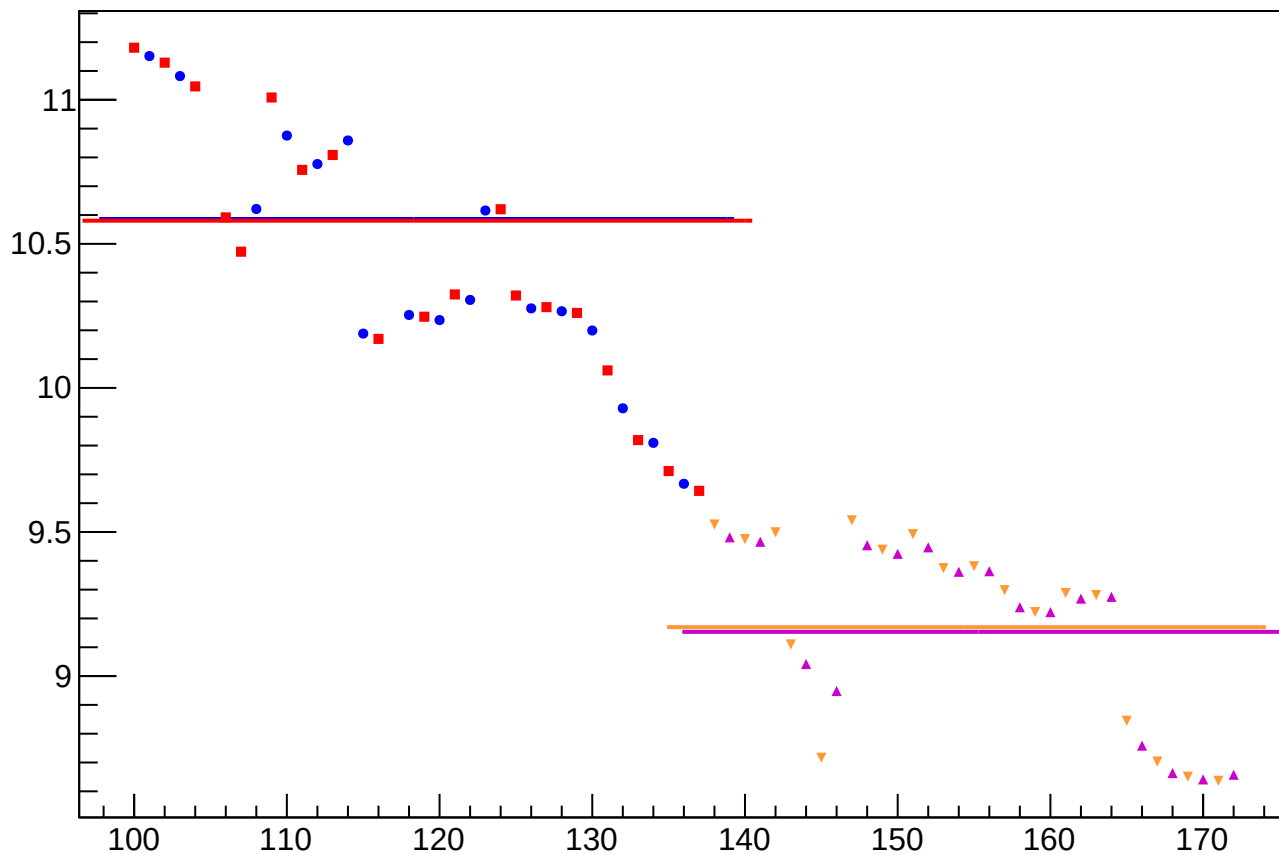
Left In: 0.031+/-0.000 χ^2/NDF : 432142.2/16

+ sign 0.031+/-0.000 χ^2/NDF : 1822862.4/34

All: 0.031+/-0.000 χ^2/NDF : 3445582.1/70

- sign 0.031+/-0.000 χ^2/NDF : 1622701.0/35

yield_sam6_mean vs Slug



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.170+/-0.000 χ^2/NDF : 3304859759.9/17

Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

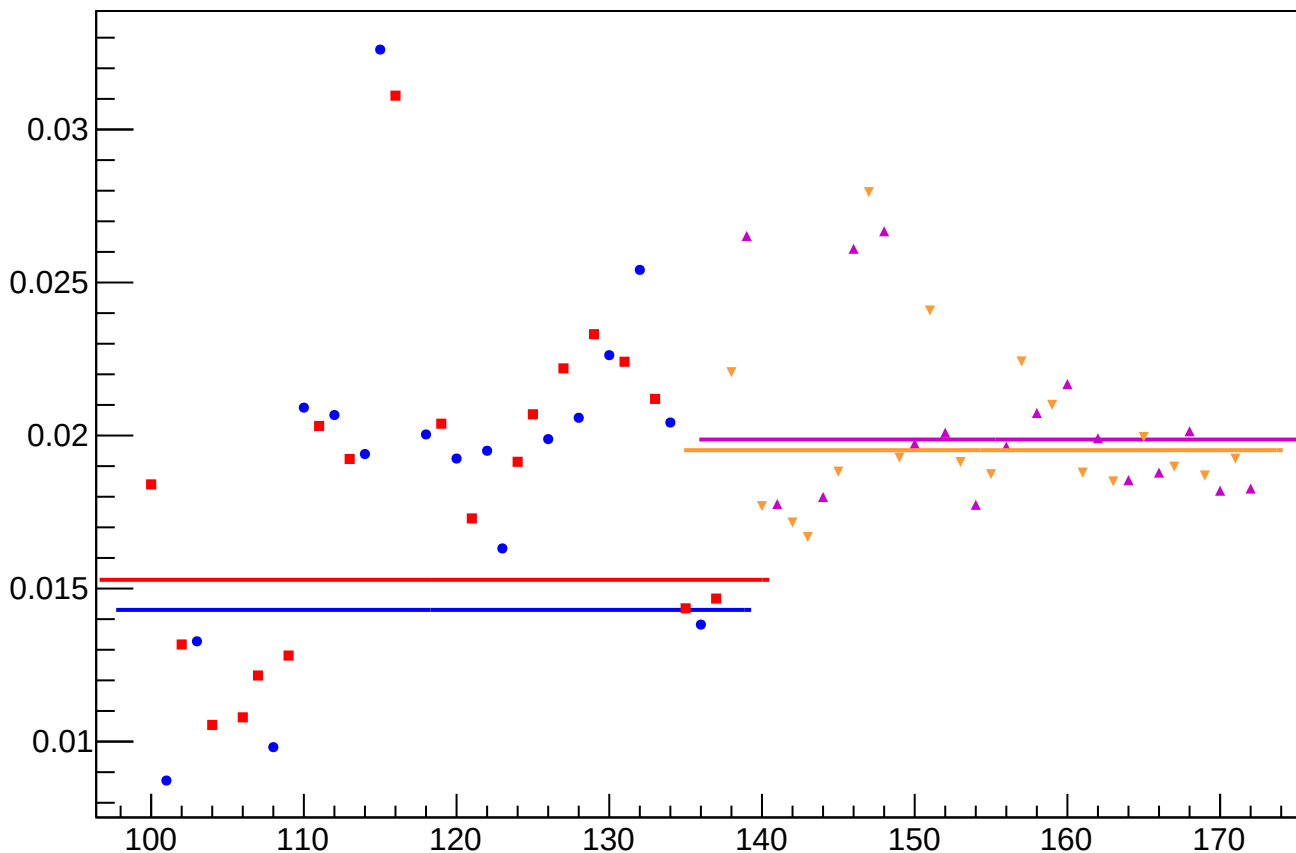
Left In: 9.153+/-0.000 χ^2/NDF : 2822223191.9/16

+ sign 9.804+/-0.000 χ^2/NDF : 39595797234.1/34

All: 9.802+/-0.000 χ^2/NDF : 76280339549.5/7

- sign 9.801+/-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: 0.020 $\pm$ 0.000 χ^2 /NDF:319446.4/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

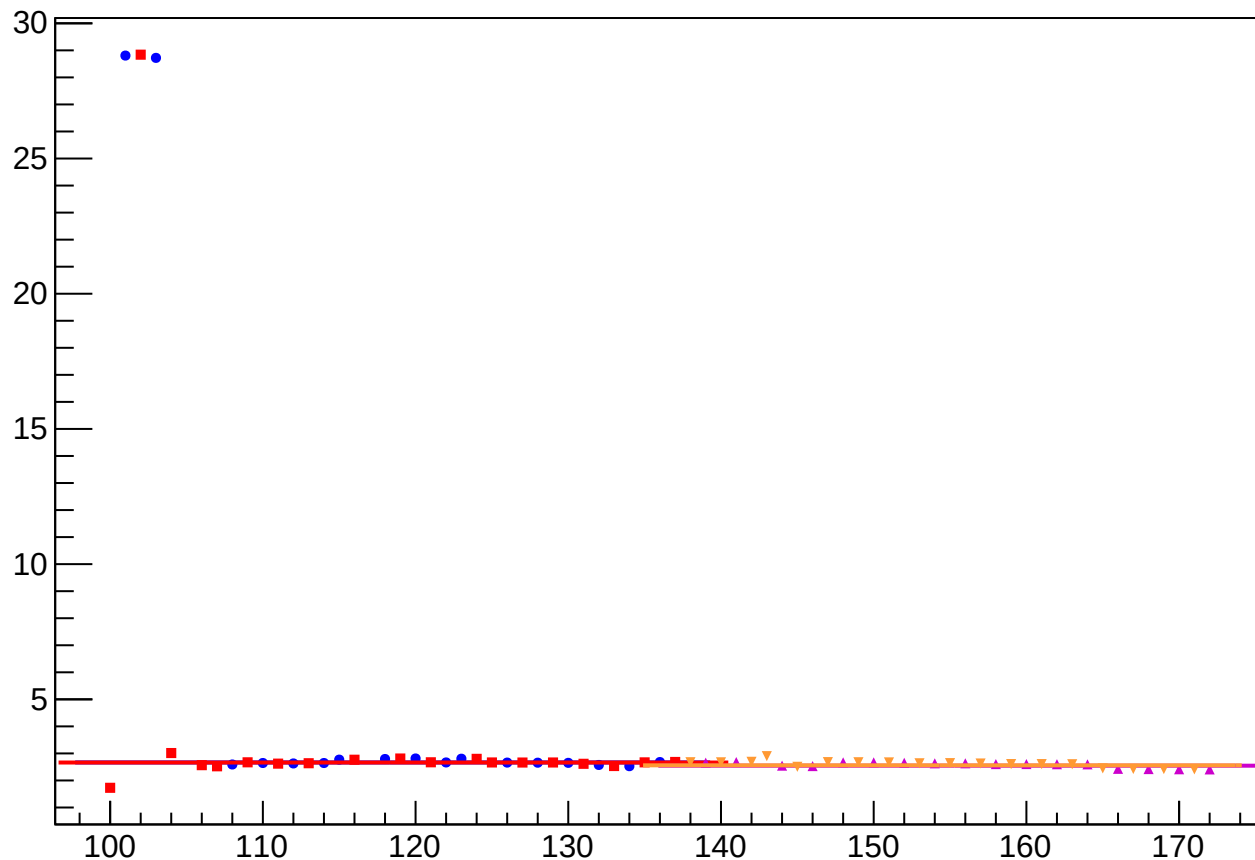
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:377407.6/16

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2511365.5/34

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4478165.4/70

- 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: 2.560 $\pm$ 0.000 χ^2 /NDF: 36351190547.1/17

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

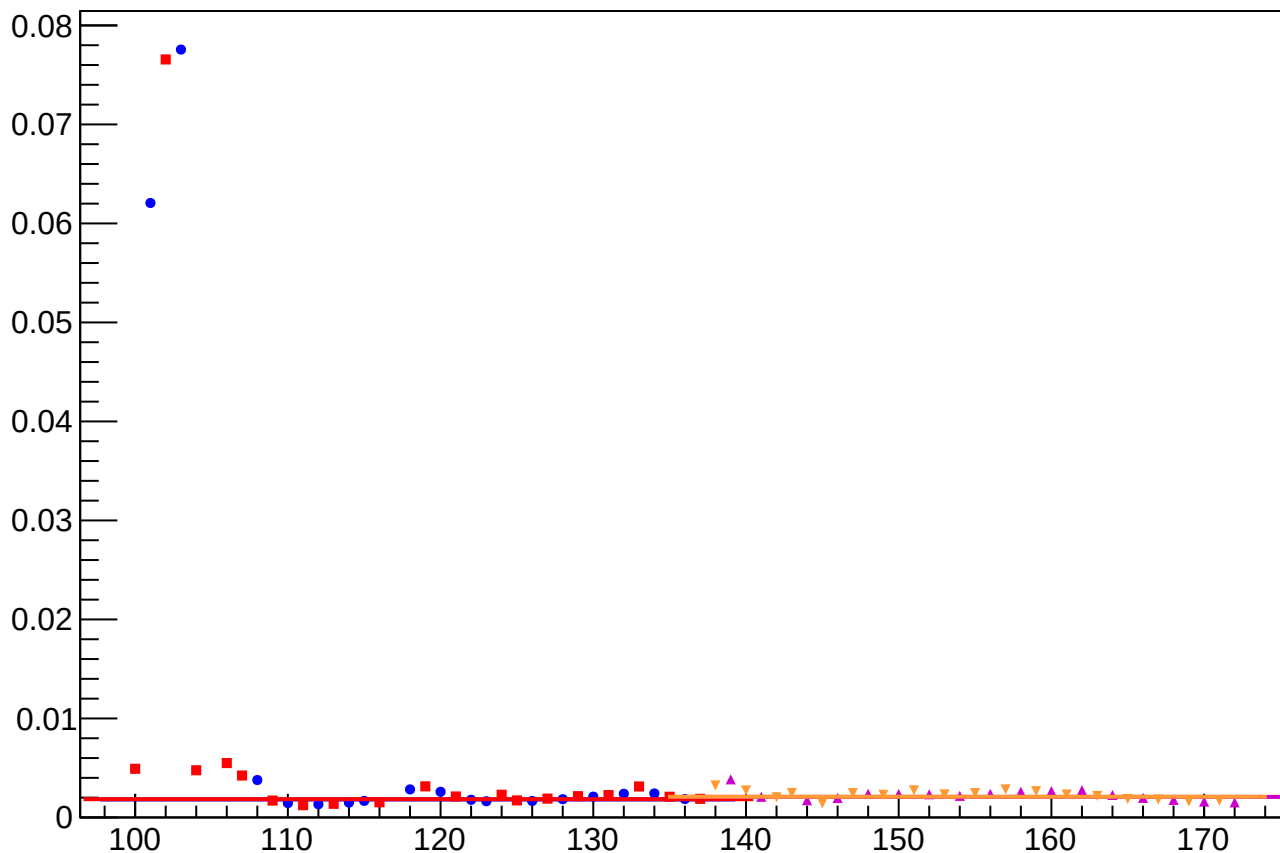
Left In: 2.546 $\pm$ 0.000 χ^2 /NDF: 26239962520.7/16

+ sign 2.597 $\pm$ 0.000 χ^2 /NDF: 209341390612.7/34

All: 2.593 $\pm$ 0.000 χ^2 /NDF: 318451576123.2

- 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:1060023.3/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2331228.4/18

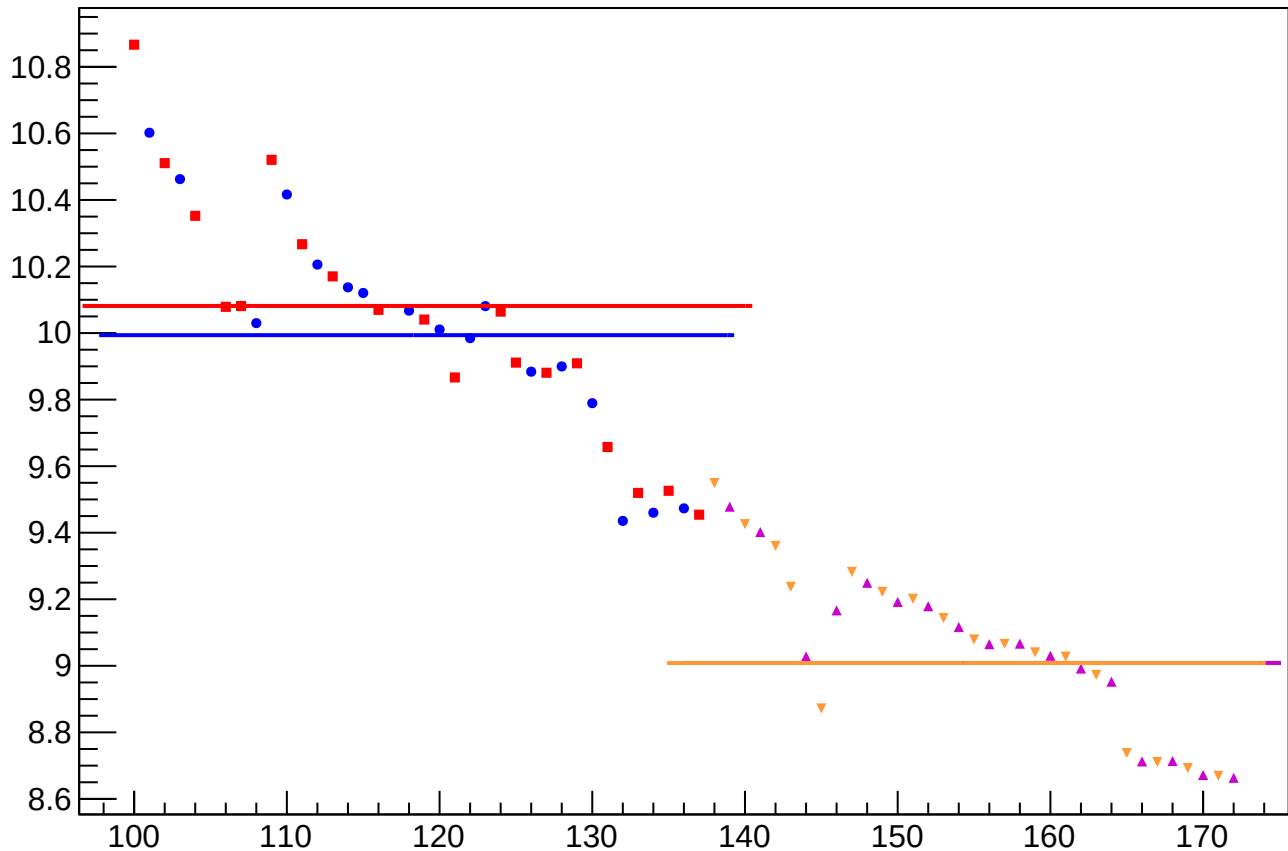
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:970770.0/16

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3854634.7/34

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7250902.6/70

- 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: 9.008 $\pm$ 0.000 χ^2 /NDF: 15877801574.4/17

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

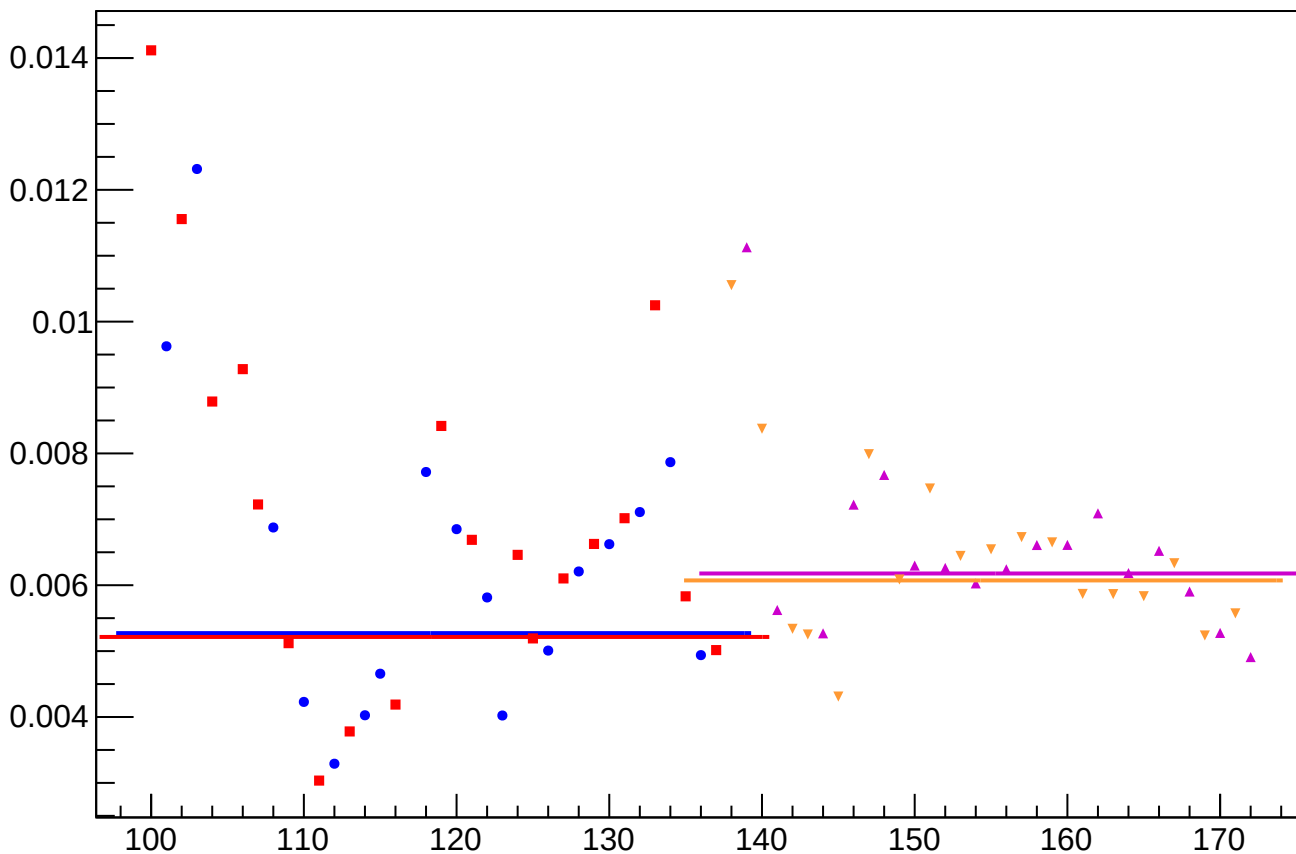
Left In: 9.009 $\pm$ 0.000 χ^2 /NDF: 14785517213.0/16

+ sign 9.384 $\pm$ 0.000 χ^2 /NDF: 143250369063.2/34

All: 9.415 $\pm$ 0.000 χ^2 /NDF: 305367351354.8

- sign 9.447 $\pm$ 0.000 χ^2 /NDF: 161205521377.3/35

yield_sam8_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1245563.1/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 737026.8/17

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1657948.7/18

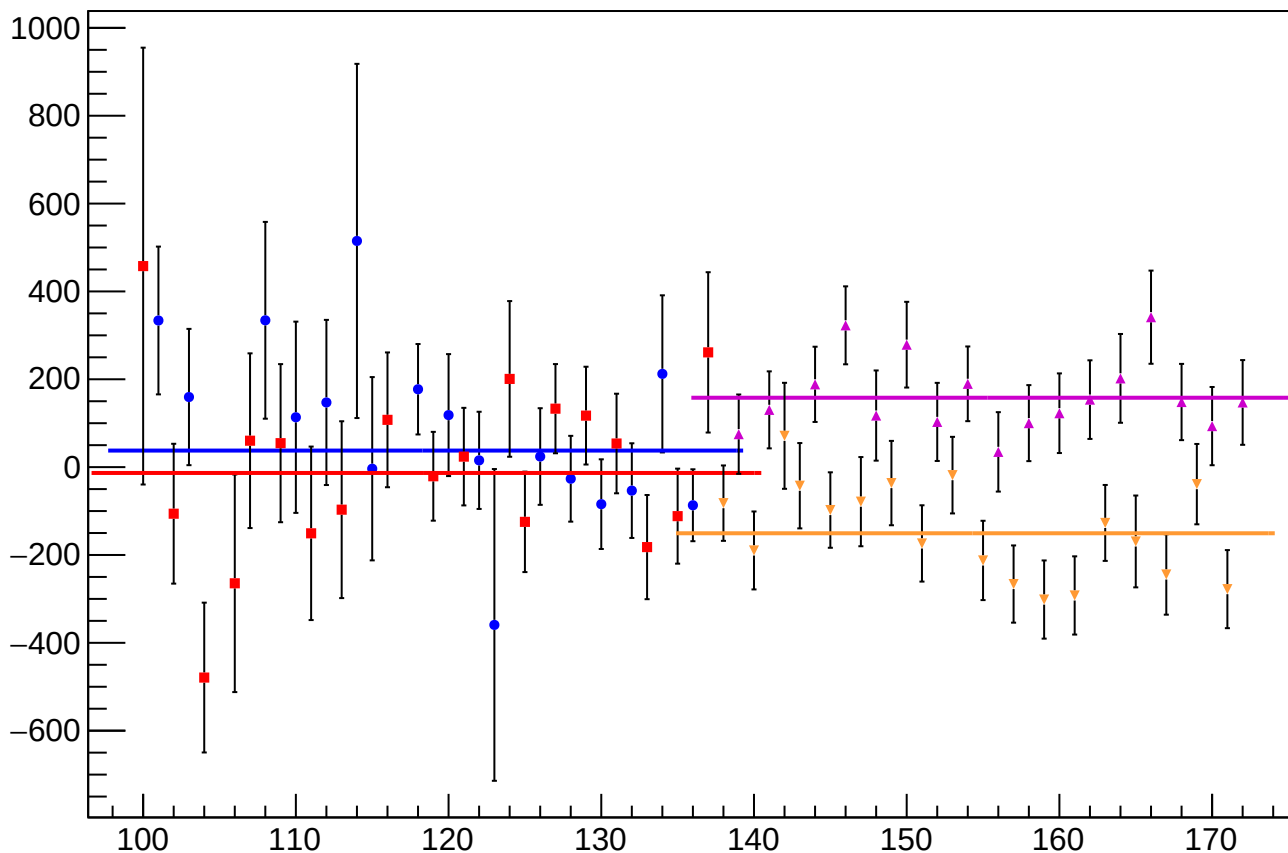
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 554086.3/16

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2125610.9/34

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4548807.8/70

- sign 0.006 $\pm$ 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: -150.571+/-21.628 χ^2/NDF : 22.4/17

Right Out: -13.278+/-32.066 χ^2/NDF : 22.7/18

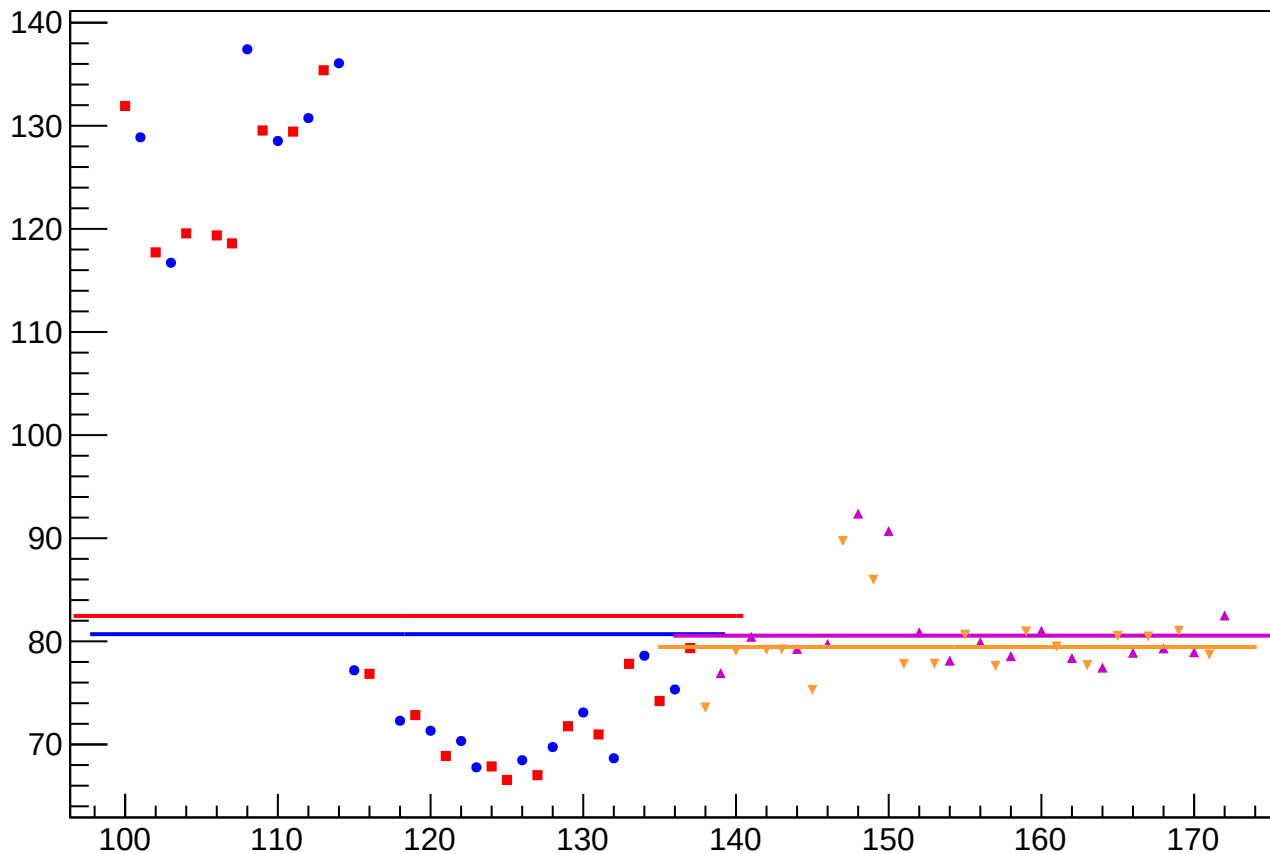
Left In: 157.972+/-22.160 χ^2/NDF : 12.9/16

+ sign -92.175+/-17.963 χ^2/NDF : 62.6/34

All: 3.787+/-12.795 χ^2/NDF : 175.5/70

- 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: 79.449 $\pm$ 0.015 χ^2 /NDF:49023.9/17

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

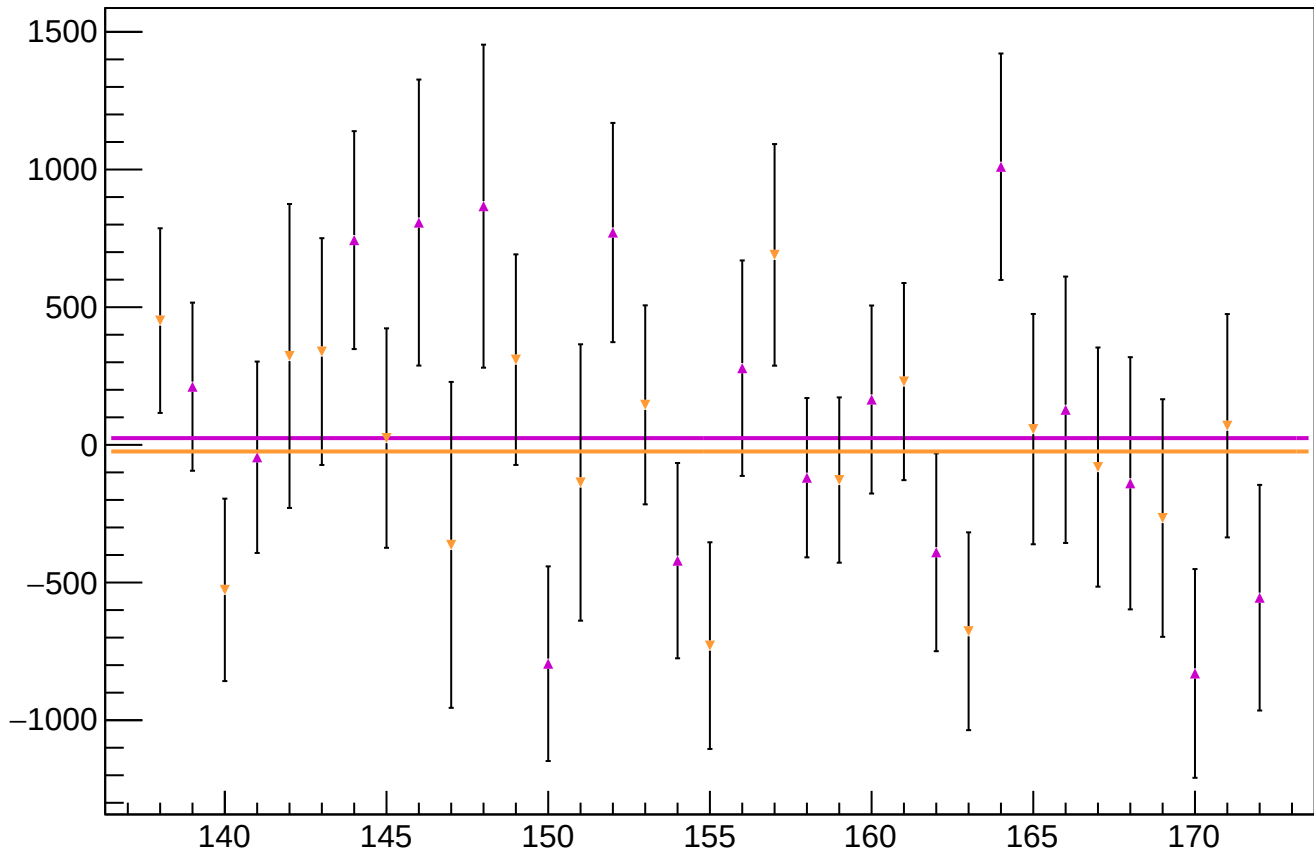
Left In: 80.553 $\pm$ 0.016 χ^2 /NDF:60325.8/16

+ sign 79.835 $\pm$ 0.013 χ^2 /NDF: 865106.7/34

All: 80.493 $\pm$ 0.009 χ^2 /NDF: 1850560.0/70

- sign 81.171 $\pm$ 0.013 χ^2 /NDF: 980006.9/35

asym_sam1_correction_mean vs Slug



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

Left Out: -24.026 $\pm$ 92.374 χ^2 /NDF:17.9/17

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

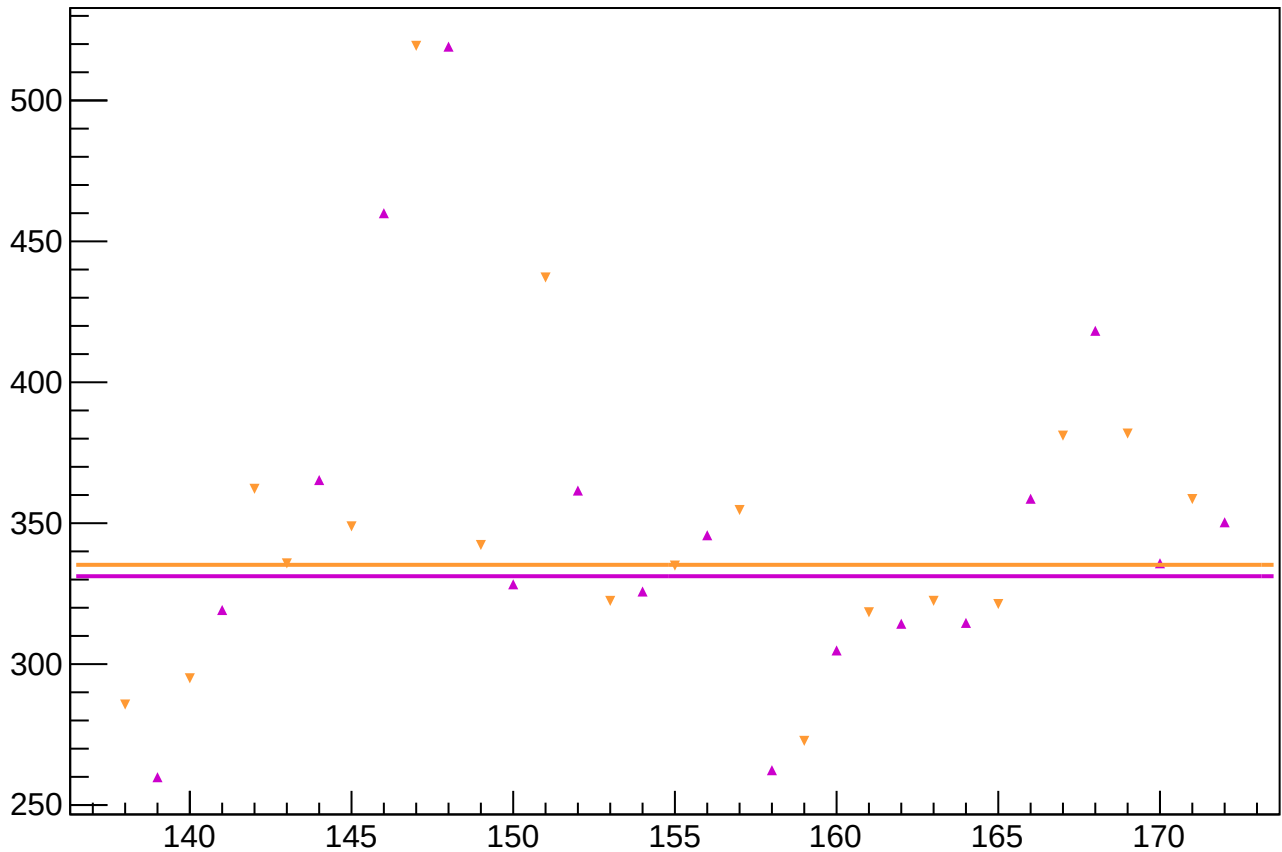
Left In: 24.522 $\pm$ 92.473 χ^2 /NDF:33.7/16

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

All: 0.222 $\pm$ 65.353 χ^2 /NDF: 51.7/34

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

asym_sam1_correction_rms vs Slug



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

Left Out: 335.231+/-0.065 χ^2/NDF : 512308.6/17

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

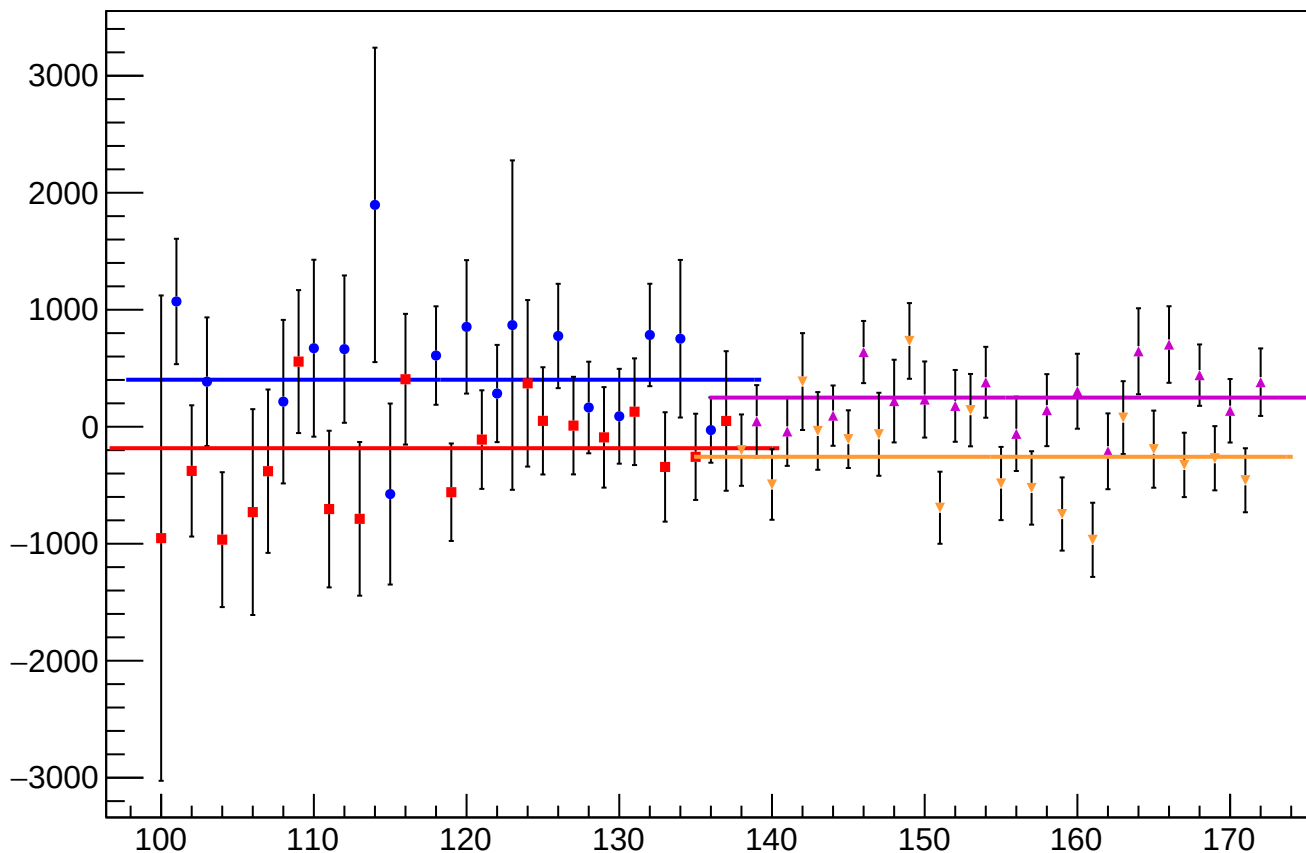
Left In: 331.189+/-0.065 χ^2/NDF : 685740.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 333.213+/-0.046 χ^2/NDF : 1199961.7/34

- 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: -256.906 $\pm$ 72.266 χ^2 /NDF: 27.7/17

Right Out: -183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

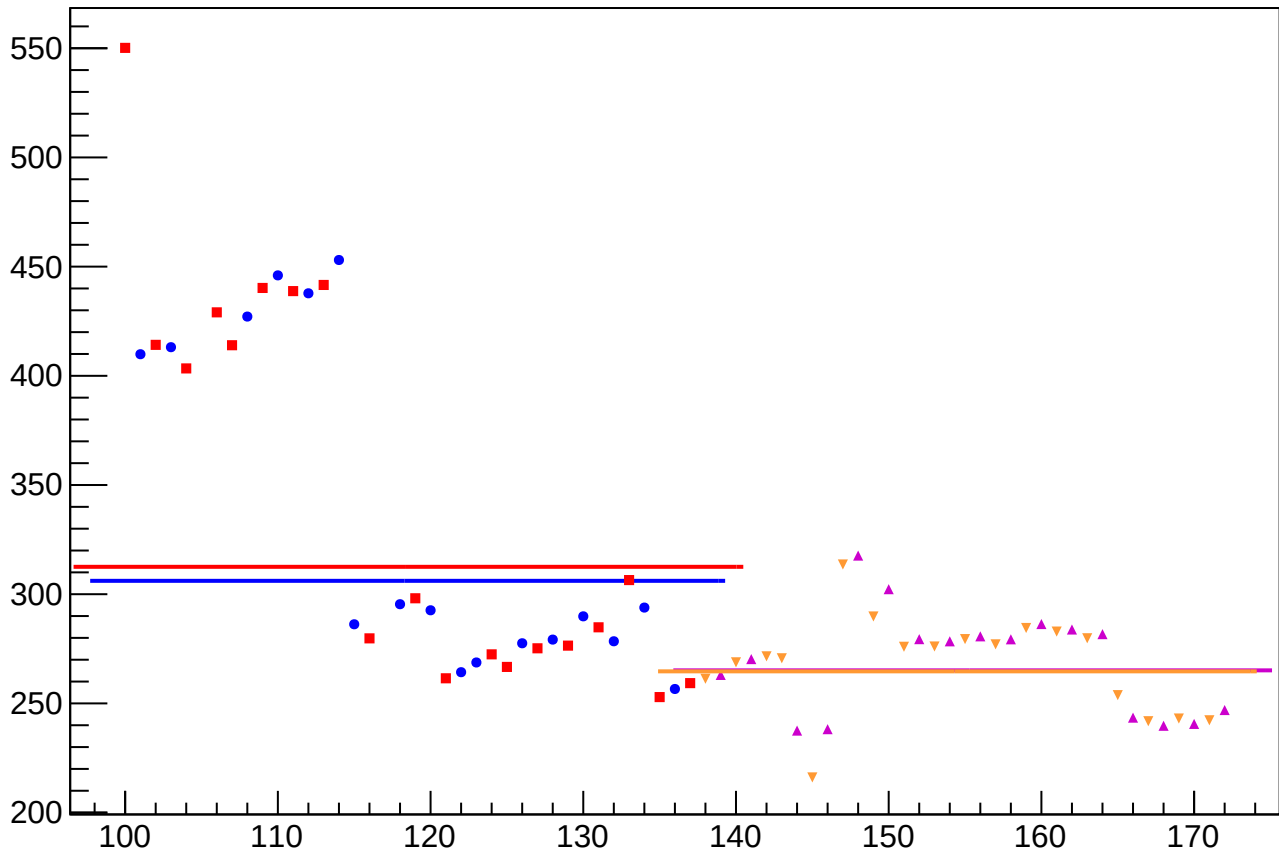
Left In: 248.956 $\pm$ 73.167 χ^2 /NDF: 11.3/16

+ sign -83.802 $\pm$ 62.050 χ^2 /NDF: 60.4/34

All: 23.406 $\pm$ 44.040 χ^2 /NDF: 96.5/70

- 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: 264.679+/-0.051 χ^2/NDF : 203593.5/17

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

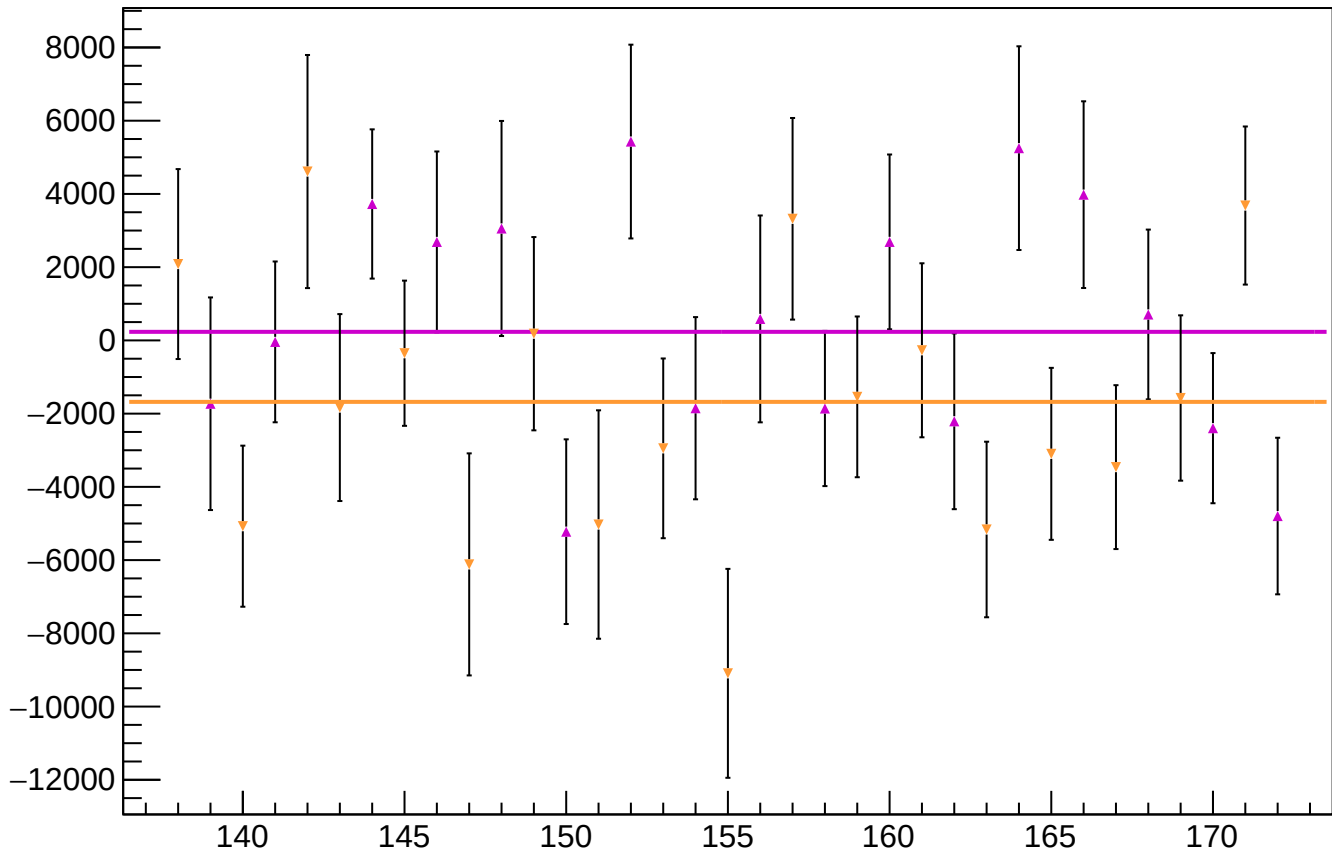
Left In: 265.131+/-0.052 χ^2/NDF : 202987.7/16

+ sign 275.569+/-0.044 χ^2/NDF : 884877.1/34

All: 276.739+/-0.031 χ^2/NDF : 1941728.7/70

- sign 277.927+/-0.044 χ^2/NDF : 1055417.7/35

asym_sam2_correction_mean vs Slug



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

Left Out: -1678.666+/-578.487 χ^2/NDF : 32.6/17

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

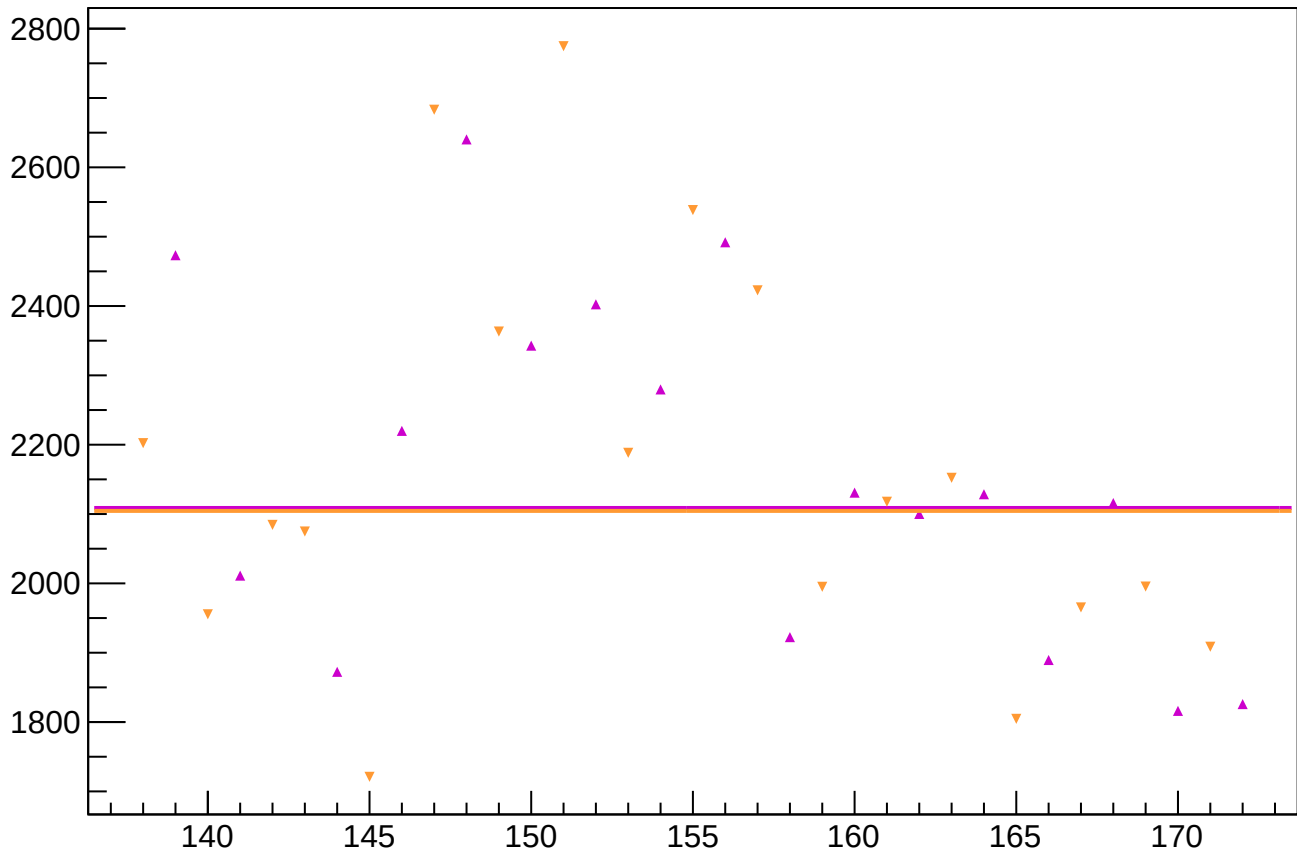
Left In: 233.879+/-584.098 χ^2/NDF : 30.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -731.625+/-411.022 χ^2/NDF : 68.3/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam2_correction_rms vs Slug



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

Left Out: 2104.529+/-0.409 χ^2/NDF : 414144.4/17

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

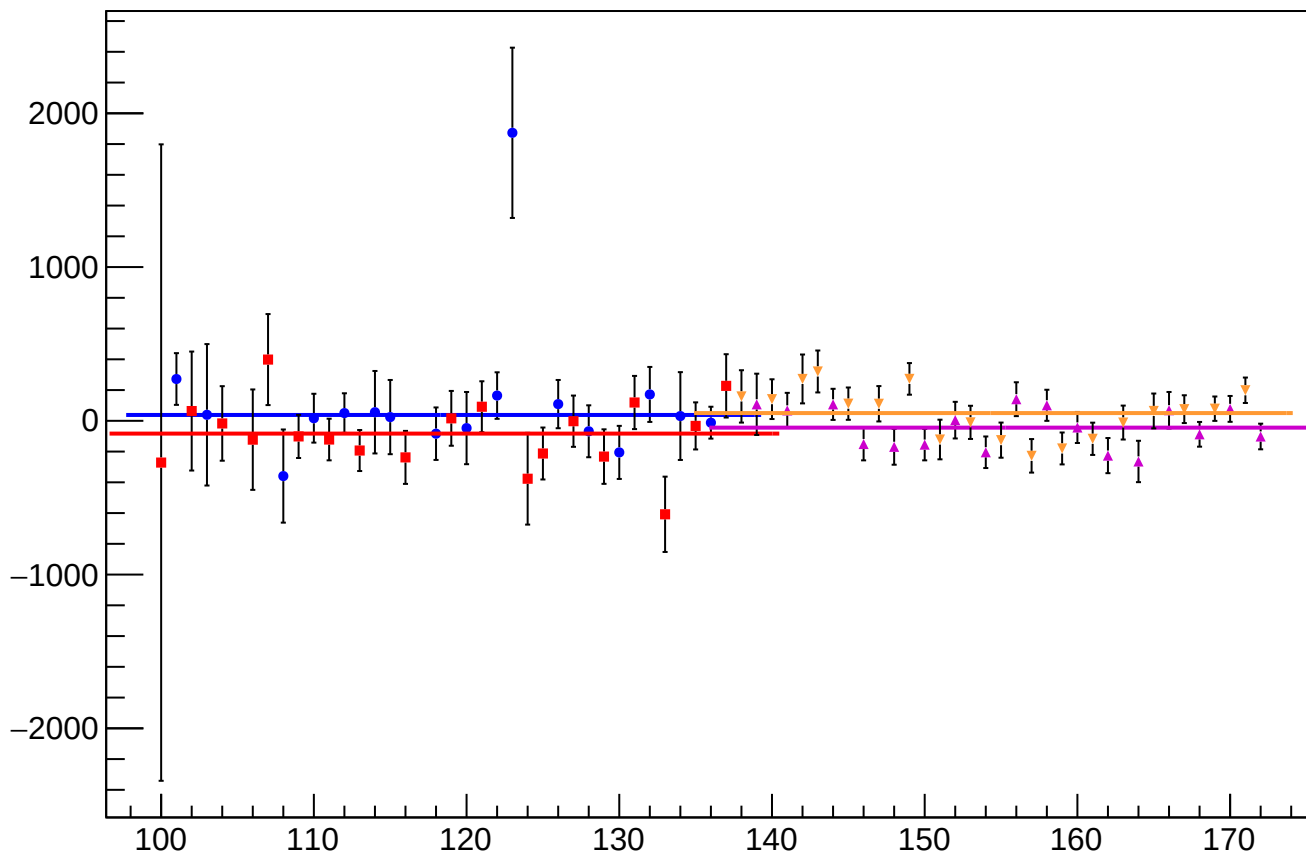
Left In: 2108.748+/-0.413 χ^2/NDF : 326335.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2106.618+/-0.291 χ^2/NDF : 740532.9/34

- 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: 50.406+/-25.595 χ^2/NDF : 34.3/17

Right Out: -83.101+/-43.098 χ^2/NDF : 16.7/18

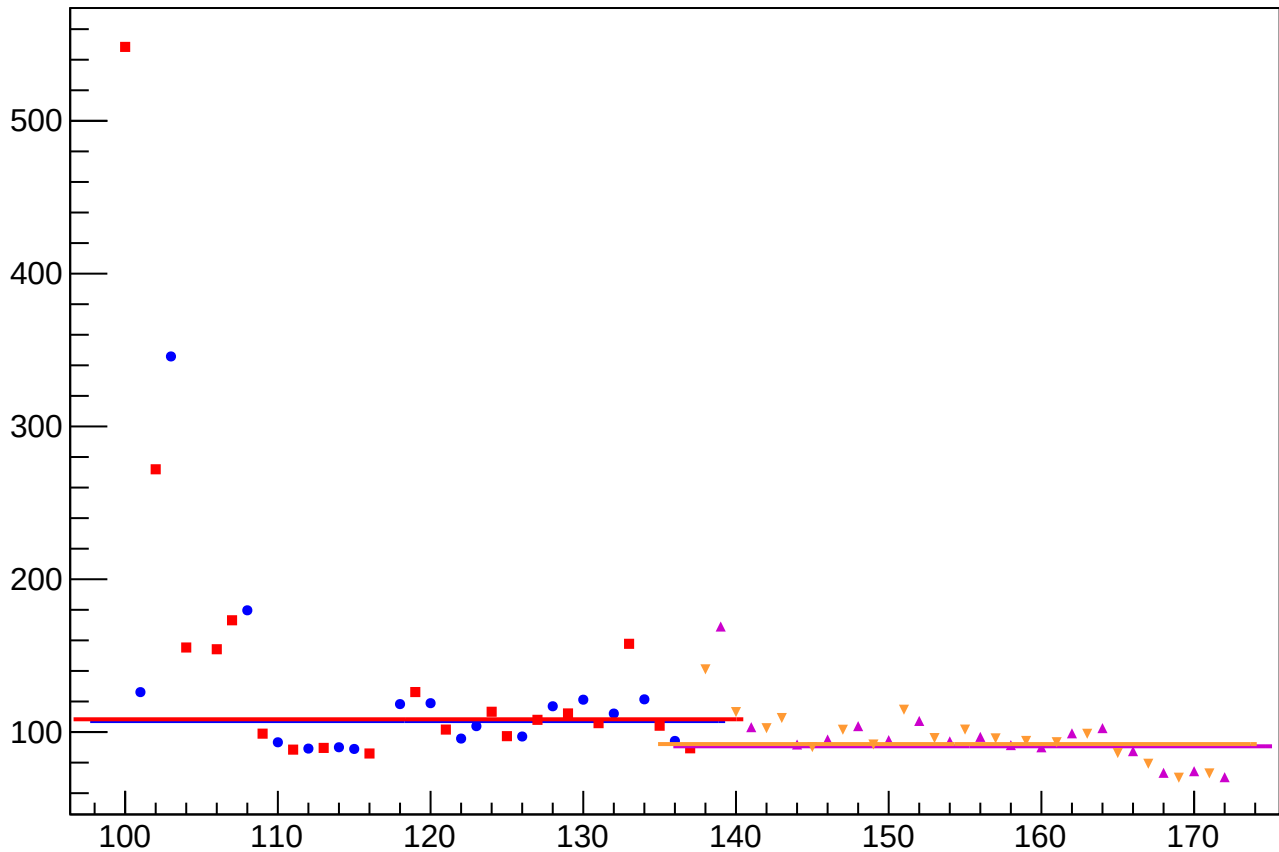
Left In: -44.393+/-25.450 χ^2/NDF : 23.6/16

+ sign 47.253+/-22.066 χ^2/NDF : 53.7/34

All: -3.924+/-15.549 χ^2/NDF : 105.3/70

- 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: 92.140 $\pm$ 0.018 χ^2 /NDF:667393.8/17

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

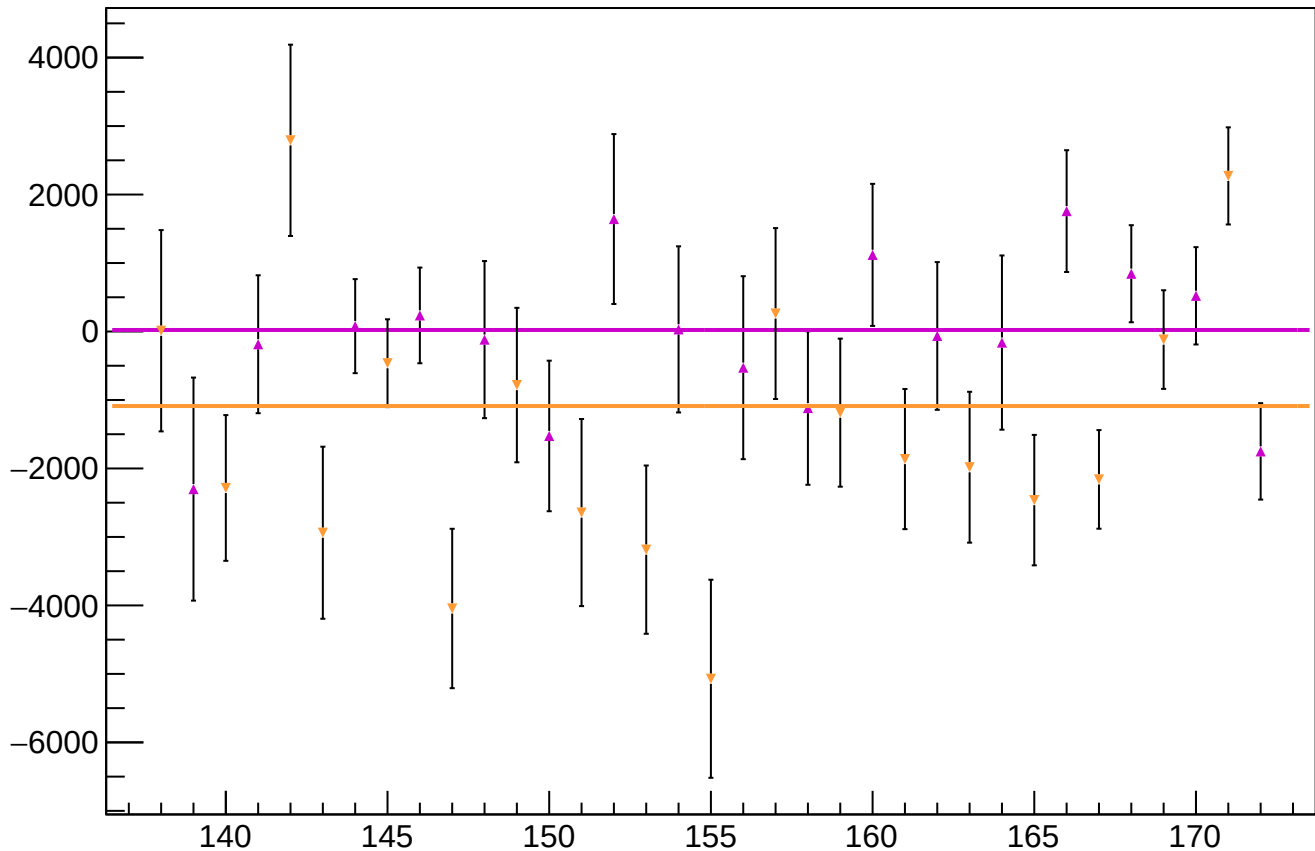
Left In: 90.682 $\pm$ 0.018 χ^2 /NDF:727205.2/16

+ sign 96.004 $\pm$ 0.016 χ^2 /NDF: 1688023.6/34

All: 95.626 $\pm$ 0.011 χ^2 /NDF: 3583131.8/70

- sign 95.253 $\pm$ 0.015 χ^2 /NDF: 1893941.5/35

asym_sam3_correction_mean vs Slug



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

Left Out: -1088.291+/-233.451 χ^2/NDF : 61.9/17

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

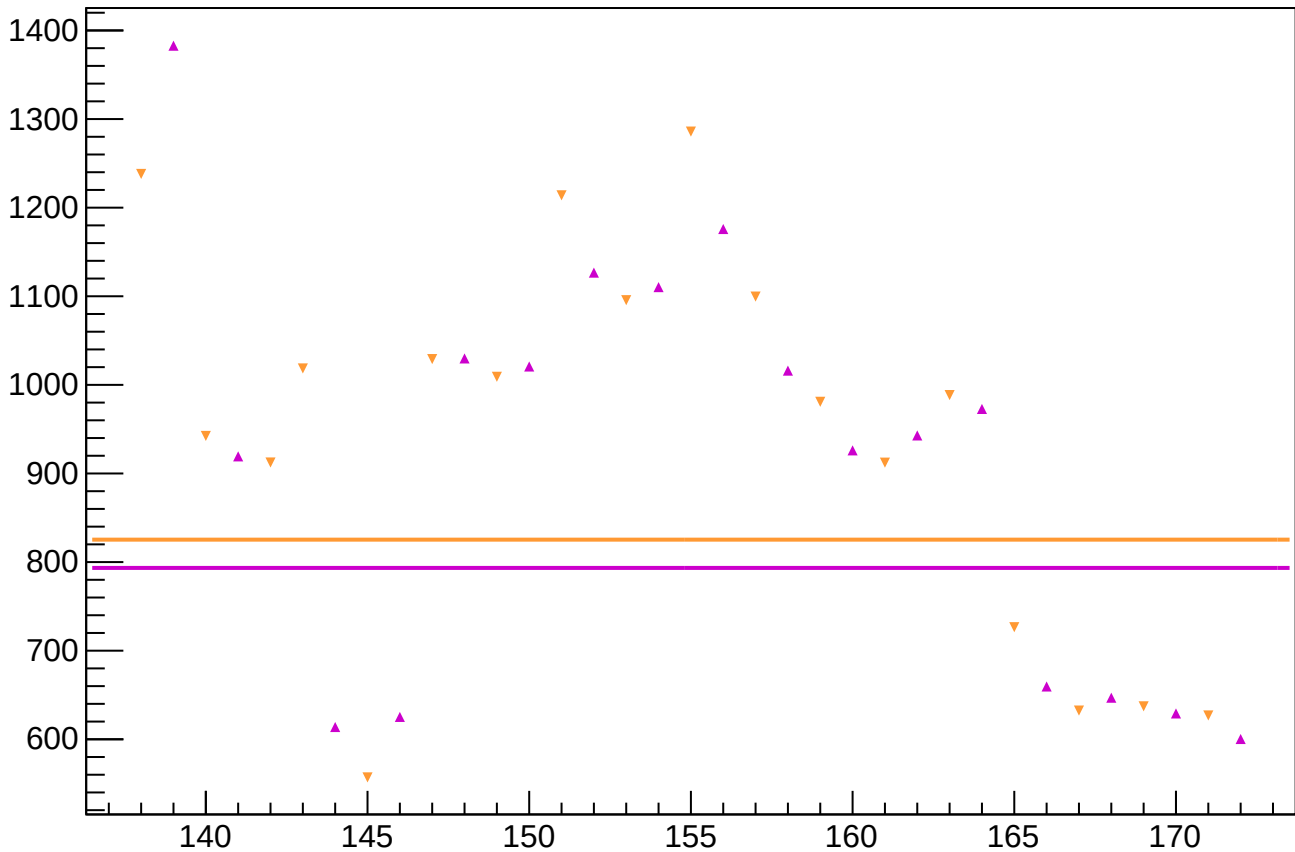
Left In: 22.262+/-226.663 χ^2/NDF : 20.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -516.634+/-162.622 χ^2/NDF : 93.8/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam3_correction_rms vs Slug



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

Left Out: 825.320+/-0.165 χ^2/NDF :1817499.5/17

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

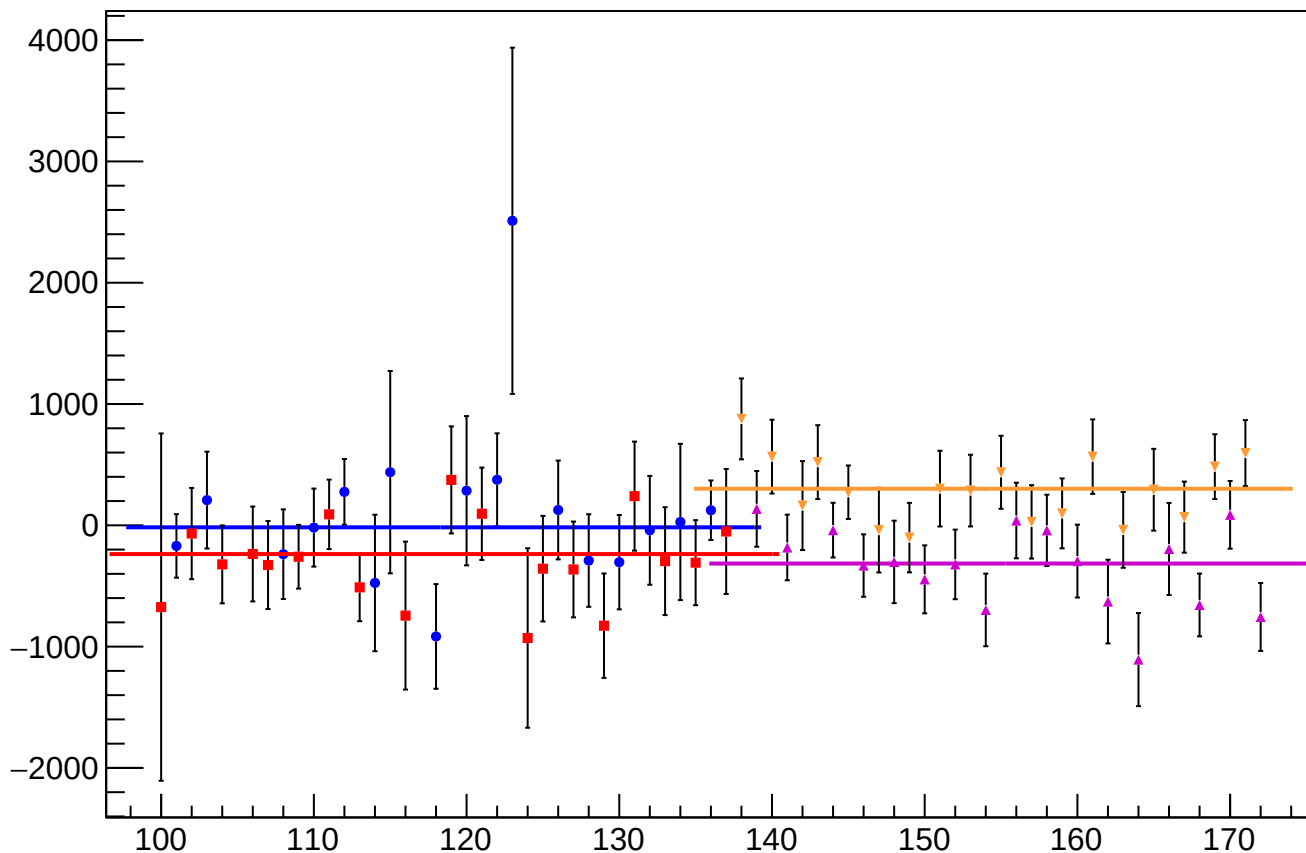
Left In: 793.412+/-0.160 χ^2/NDF :1738937.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 808.895+/-0.115 χ^2/NDF : 3575668.8/34

- 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: 301.741 ± 70.104 χ^2/NDF : 13.1/17

Right Out: -236.984 ± 88.937 χ^2/NDF : 10.3/18

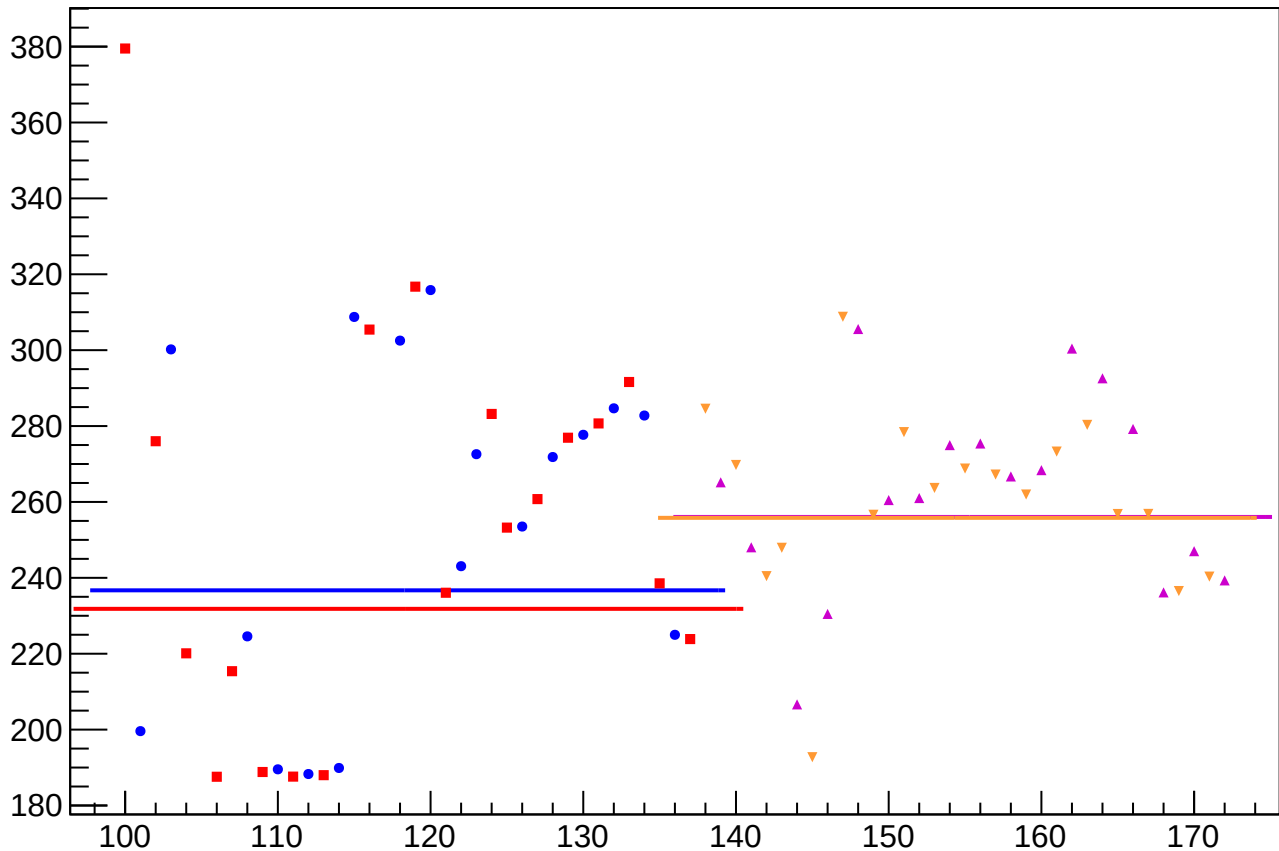
Left In: -314.949 ± 70.873 χ^2/NDF : 19.3/16

+ sign 186.894 ± 56.043 χ^2/NDF : 33.9/34

All: -51.493 ± 39.408 χ^2/NDF : 99.8/70

- 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: 255.811 $\pm$ 0.050 χ^2 /NDF: 288672.7/17

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

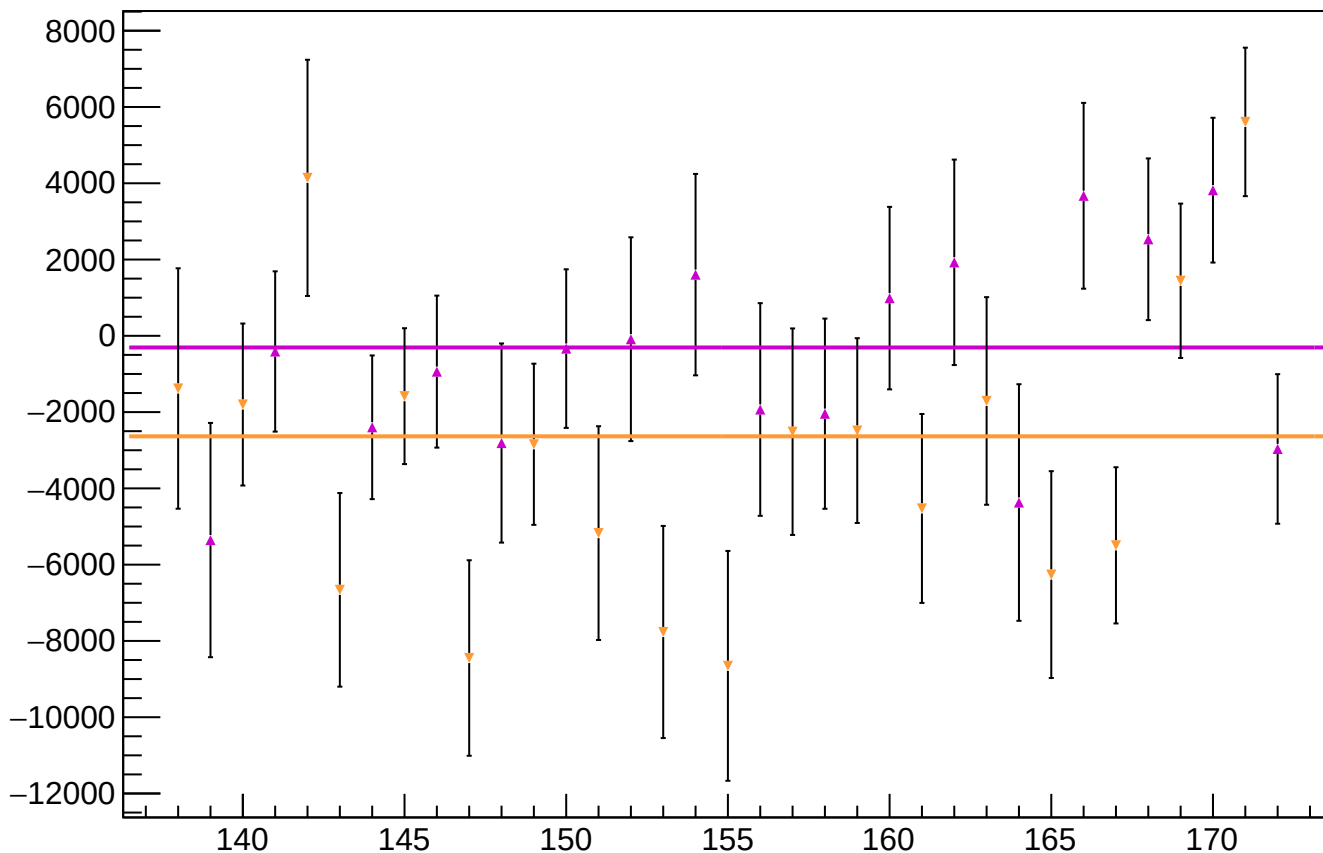
Left In: 256.045 $\pm$ 0.050 χ^2 /NDF: 264228.5/16

+ sign 248.915 $\pm$ 0.040 χ^2 /NDF: 732626.2/34

All: 247.765 $\pm$ 0.028 χ^2 /NDF: 1532492.7/70

- sign 246.640 $\pm$ 0.039 χ^2 /NDF: 798199.3/35

asym_sam4_correction_mean vs Slug



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

Left Out: -2634.900 $\pm$ 565.485 χ^2 /NDF:47.8/17

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

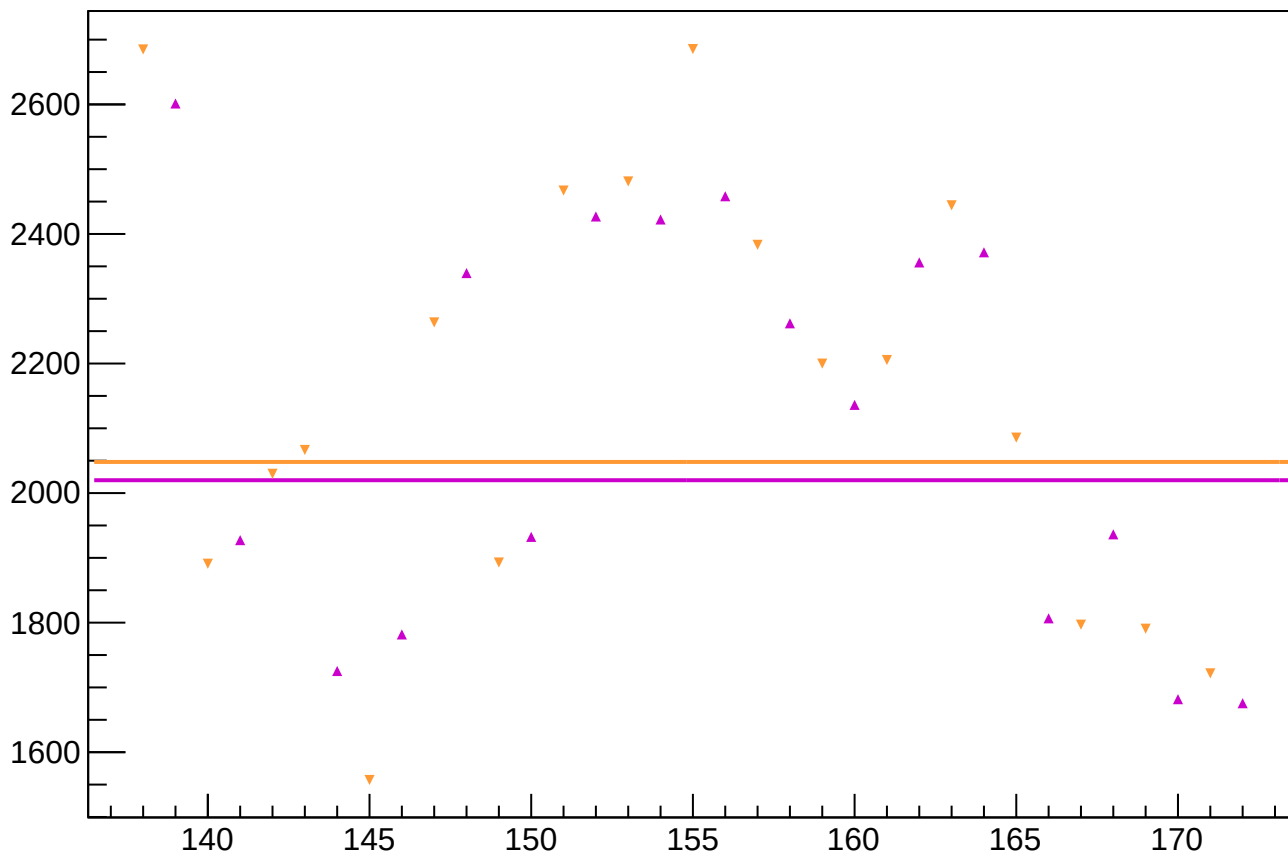
Left In: -305.819 $\pm$ 562.346 χ^2 /NDF:20.0/16

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

All: -1463.876 $\pm$ 398.744 χ^2 /NDF: 76.3/34

- sign 0.000 $\pm$ 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: 2048.079+/-0.400 χ^2/NDF : 660242.8/17

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

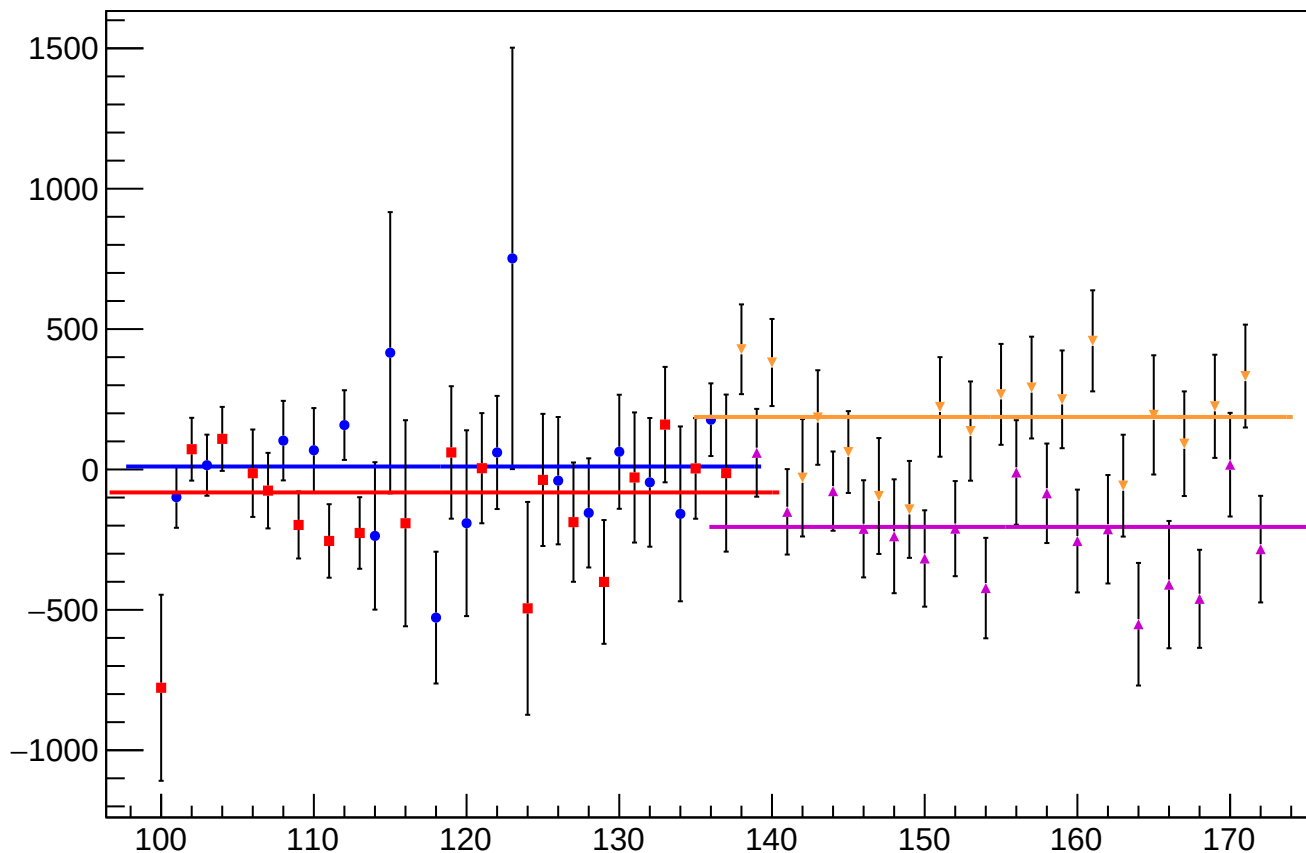
Left In: 2019.857+/-0.398 χ^2/NDF : 552920.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2033.890+/-0.282 χ^2/NDF : 1215667.4/34

- 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: 187.056 ± 41.783 χ^2/NDF : 17.0/17

Right Out: -81.802 ± 38.985 χ^2/NDF : 19.2/18

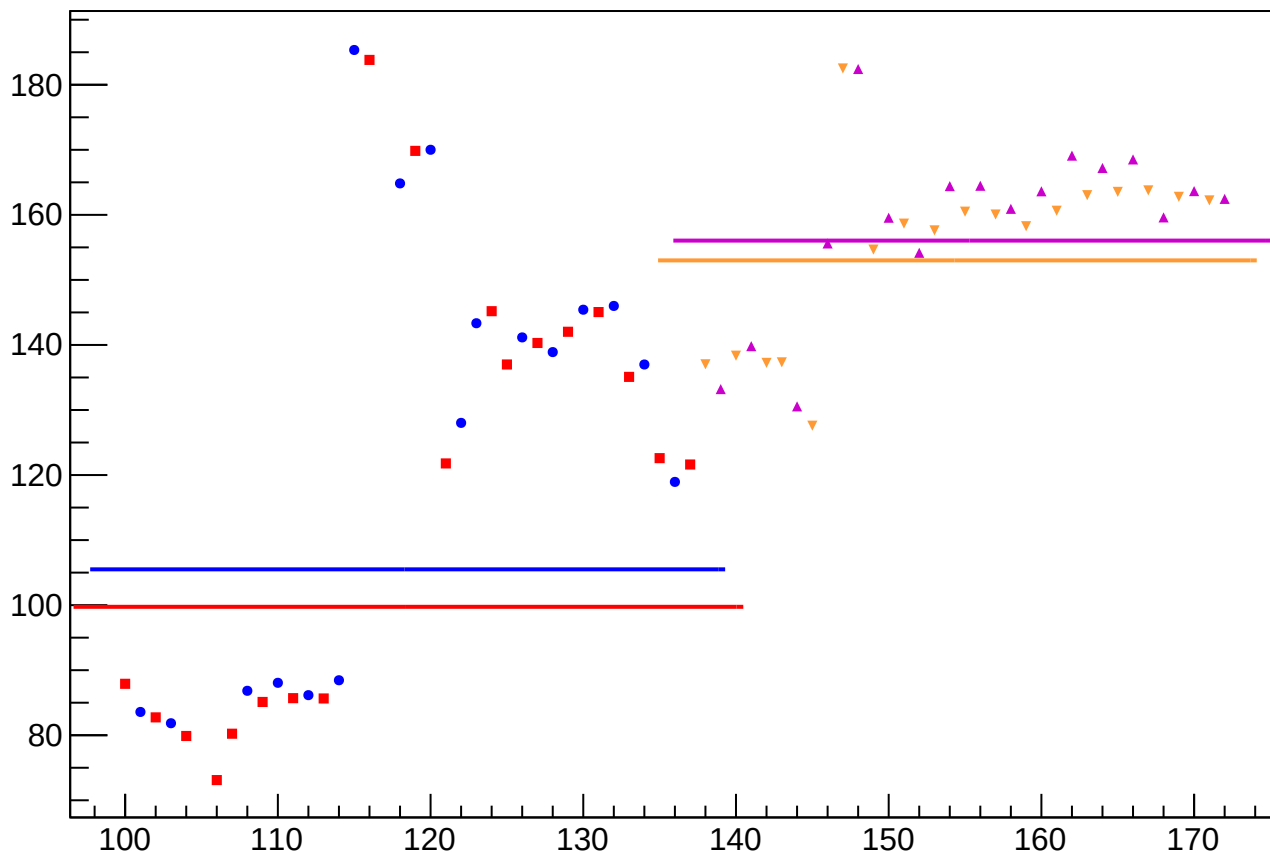
Left In: -204.655 ± 43.046 χ^2/NDF : 14.5/16

+ sign 99.866 ± 29.724 χ^2/NDF : 39.8/34

All: -21.996 ± 20.719 χ^2/NDF : 110.7/70

- 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: 153.001 $\pm$ 0.030 χ^2 /NDF: 212136.1/17

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

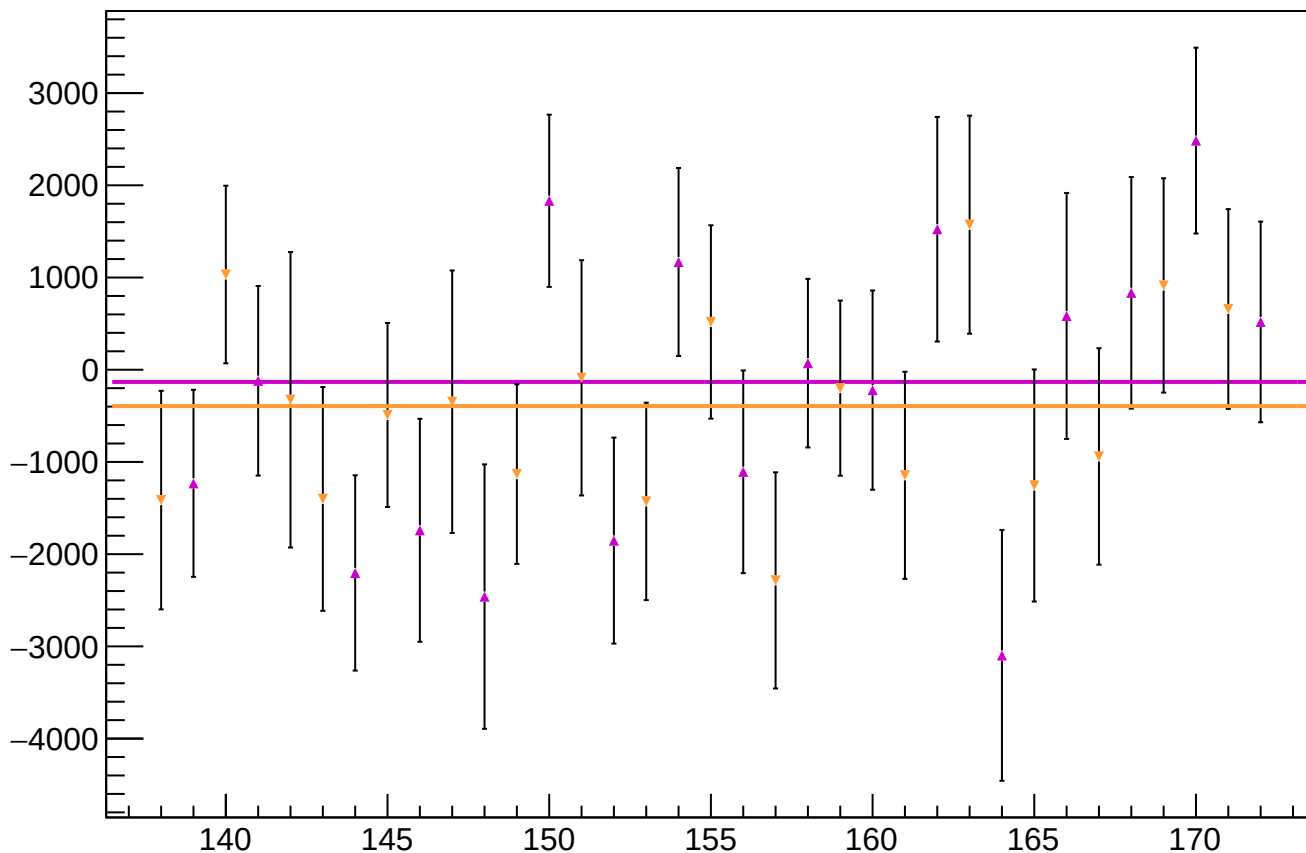
Left In: 156.044 $\pm$ 0.030 χ^2 /NDF: 205888.0/16

+ sign 129.540 $\pm$ 0.021 χ^2 /NDF: 2357707.4/34

All: 127.265 $\pm$ 0.015 χ^2 /NDF: 5466091.1/70

- 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: -394.272 $\pm$ 266.289 χ^2 /NDF:14.7/17

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

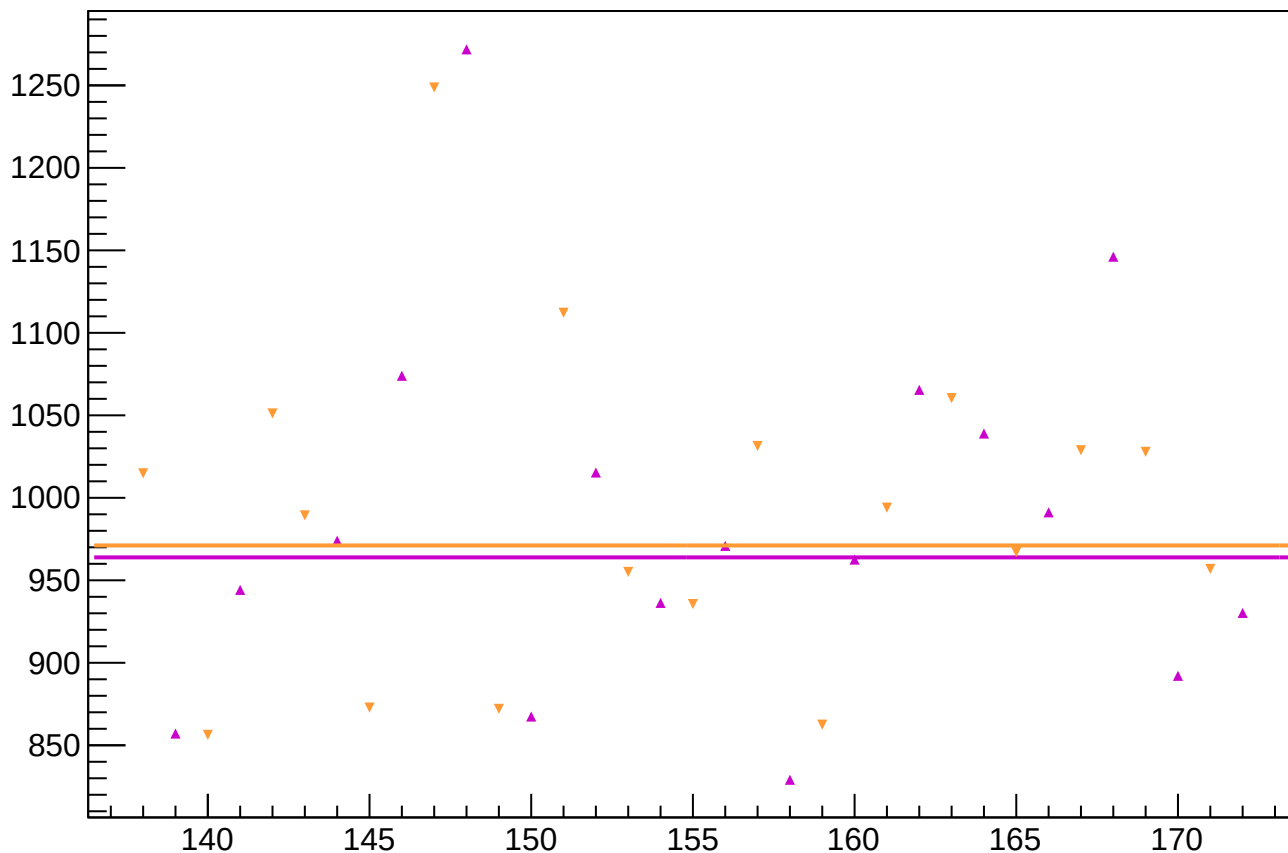
Left In: -132.182 $\pm$ 267.122 χ^2 /NDF:33.3/16

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

All: -263.637 $\pm$ 188.588 χ^2 /NDF: 48.5/34

- 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: 971.119+/-0.188 χ^2/NDF : 233594.5/17

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

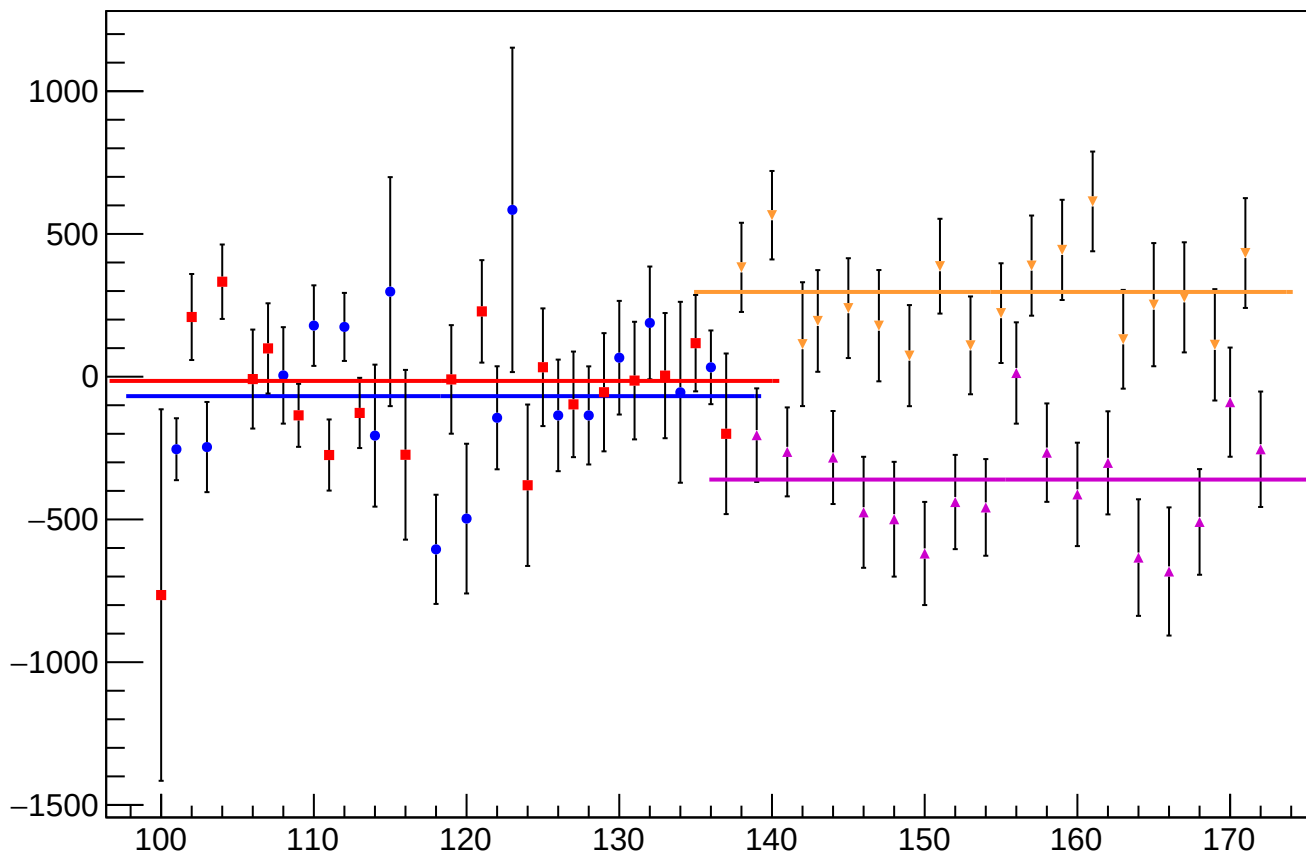
Left In: 963.899+/-0.189 χ^2/NDF : 277612.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 967.520+/-0.133 χ^2/NDF : 511940.1/34

- 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: 296.849 ± 42.169 χ^2/NDF : 14.7/17

Right Out: -14.800 ± 39.467 χ^2/NDF : 23.1/18

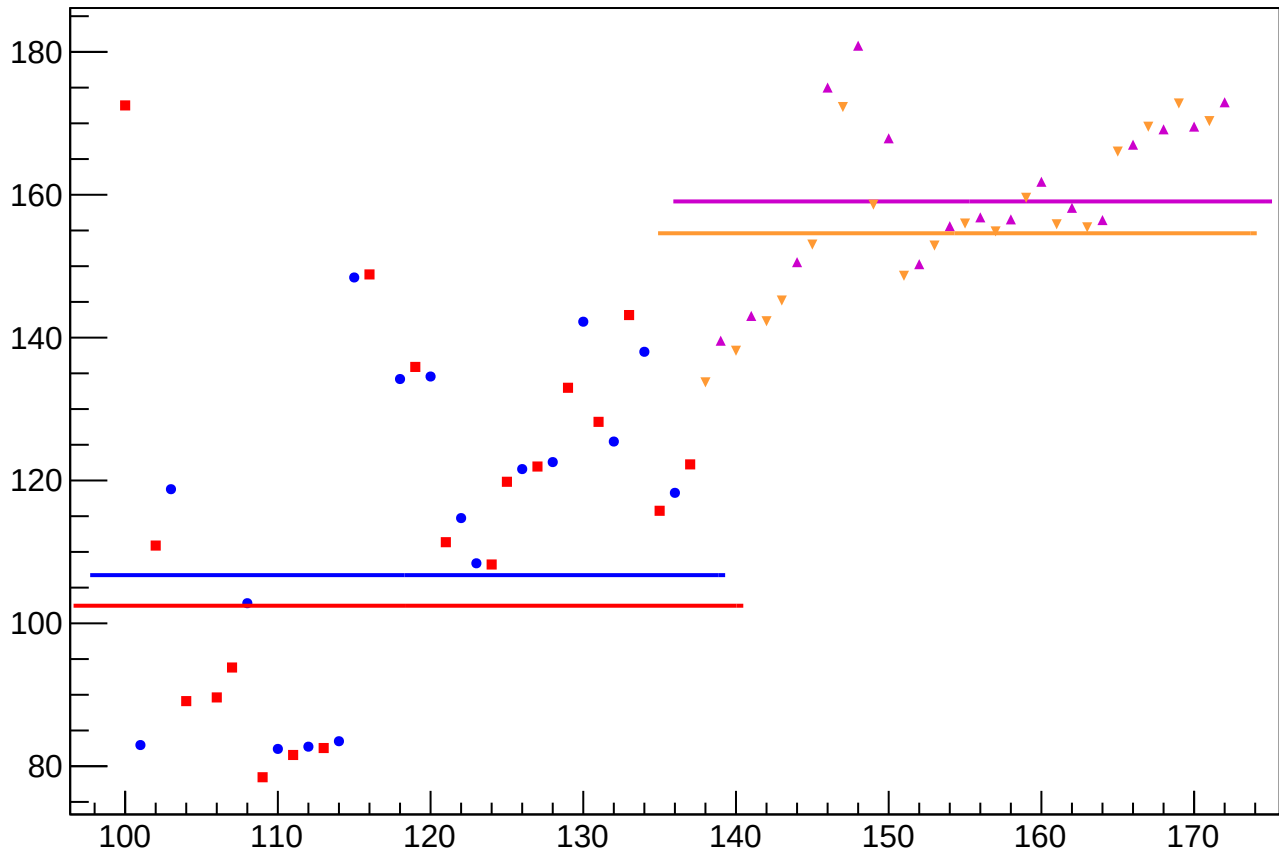
Left In: -360.346 ± 43.812 χ^2/NDF : 16.6/16

+ sign 114.786 ± 29.852 χ^2/NDF : 79.9/34

All: -29.942 ± 20.919 χ^2/NDF : 200.2/70

- 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: 154.609 $\pm$ 0.030 χ^2 /NDF:140836.7/17

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

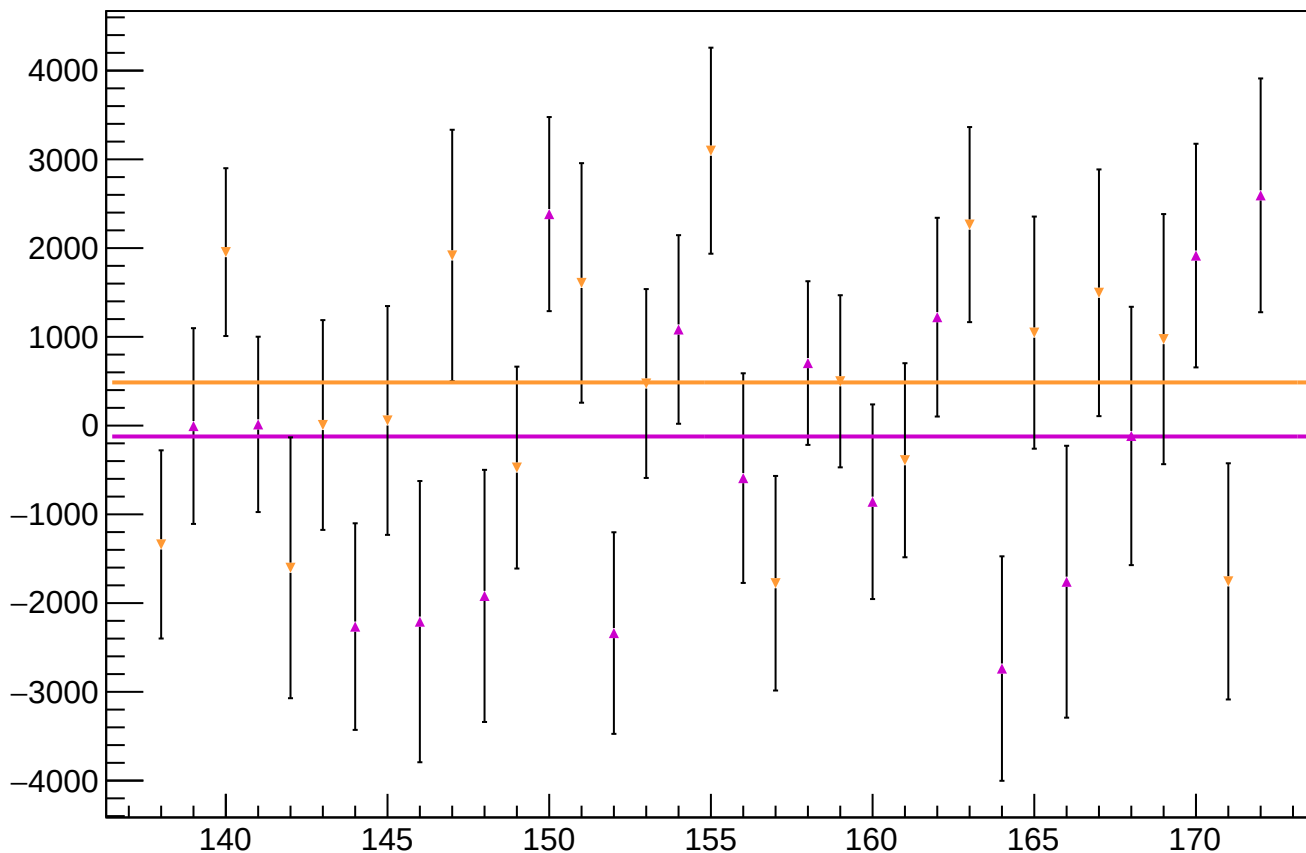
Left In: 159.066 $\pm$ 0.031 χ^2 /NDF:128678.2/16

+ sign 130.734 $\pm$ 0.021 χ^2 /NDF: 1927773.0/34

All: 129.252 $\pm$ 0.015 χ^2 /NDF: 4498103.4/70

- sign 127.821 $\pm$ 0.021 χ^2 /NDF: 2560639.3/35

asym_sam6_correction_mean vs Slug



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

Left Out: 486.403+/-279.322 χ^2/NDF : 25.6/17

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

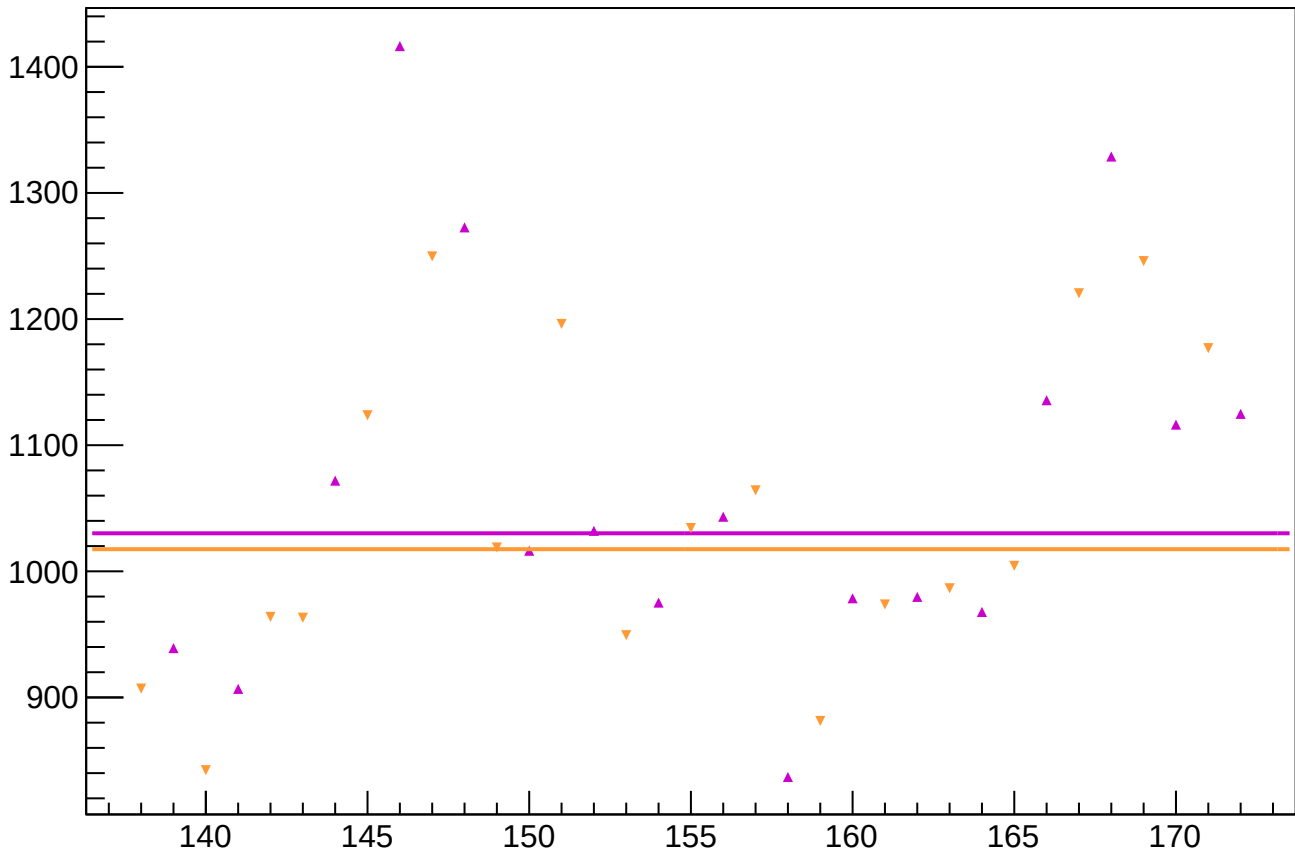
Left In: -122.687+/-285.968 χ^2/NDF : 32.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 189.018+/-199.819 χ^2/NDF : 60.1/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam6_correction_rms vs Slug



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

Left Out: 1017.551+/-0.198 χ^2/NDF : 379538.7/17

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

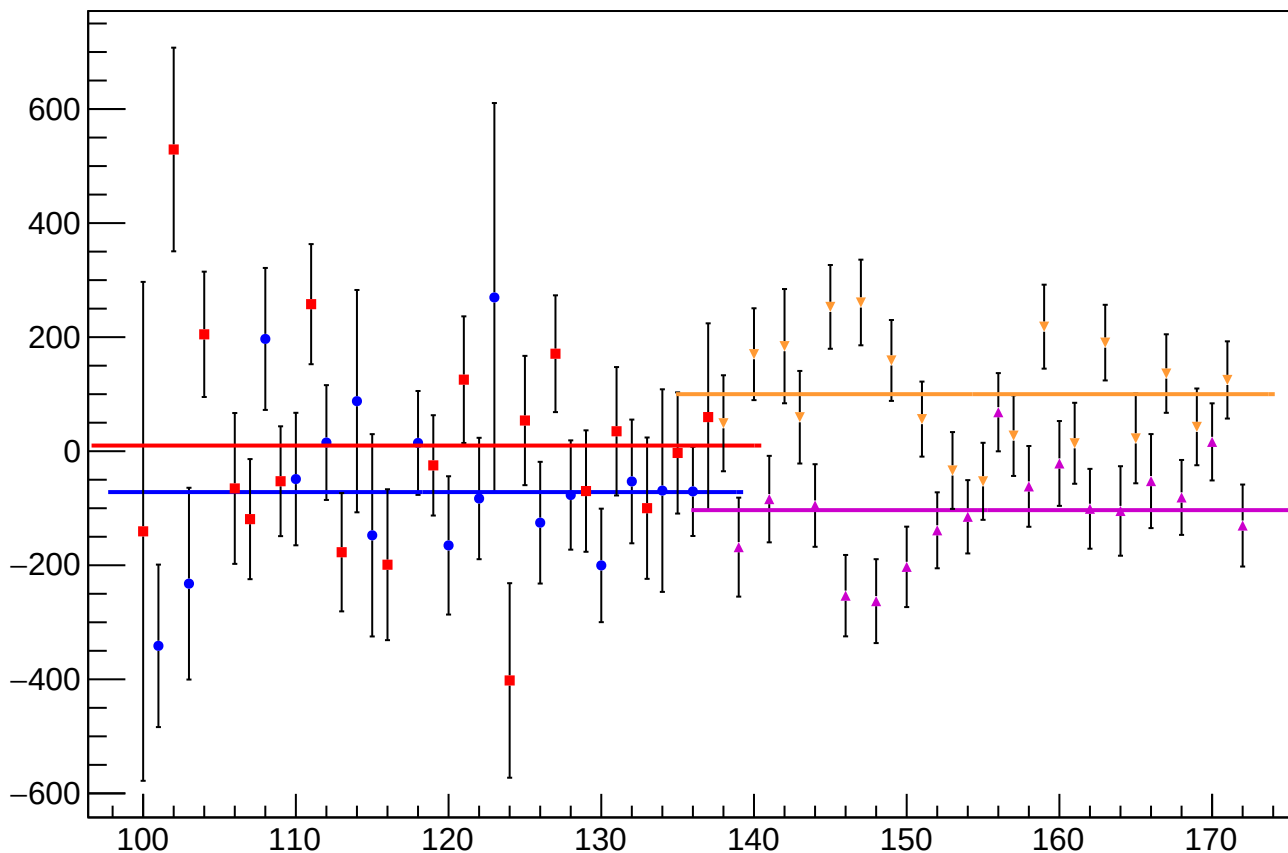
Left In: 1030.154+/-0.202 χ^2/NDF : 445116.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1023.704+/-0.141 χ^2/NDF : 826643.5/34

- 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: 100.041 ± 17.149 χ^2/NDF : 30.3/17

Right Out: 9.917 ± 26.816 χ^2/NDF : 36.5/18

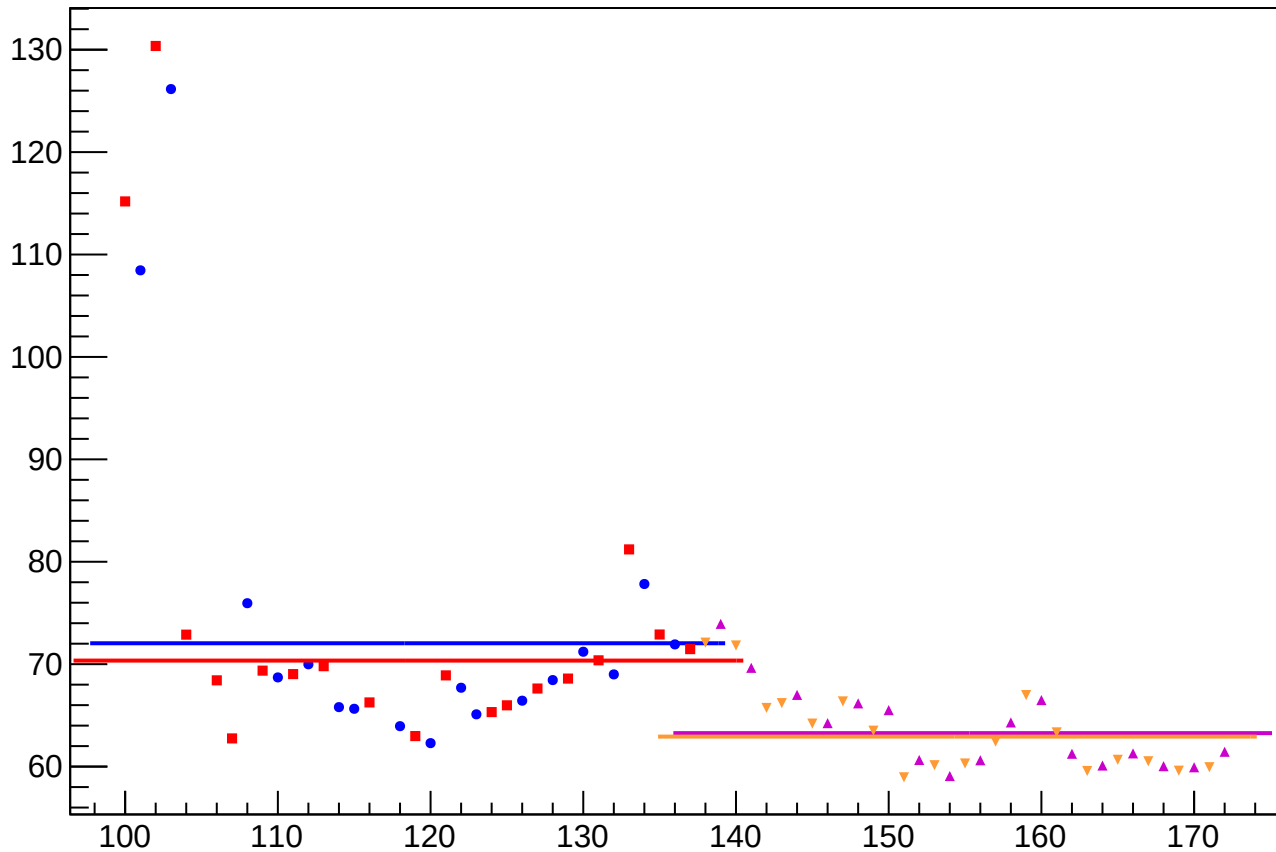
Left In: -103.320 ± 17.415 χ^2/NDF : 23.7/16

+ sign 54.062 ± 14.674 χ^2/NDF : 72.4/34

All: -8.126 ± 10.352 χ^2/NDF : 180.8/70

- 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: 62.928 $\pm$ 0.012 χ^2 /NDF: 95935.2/17

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

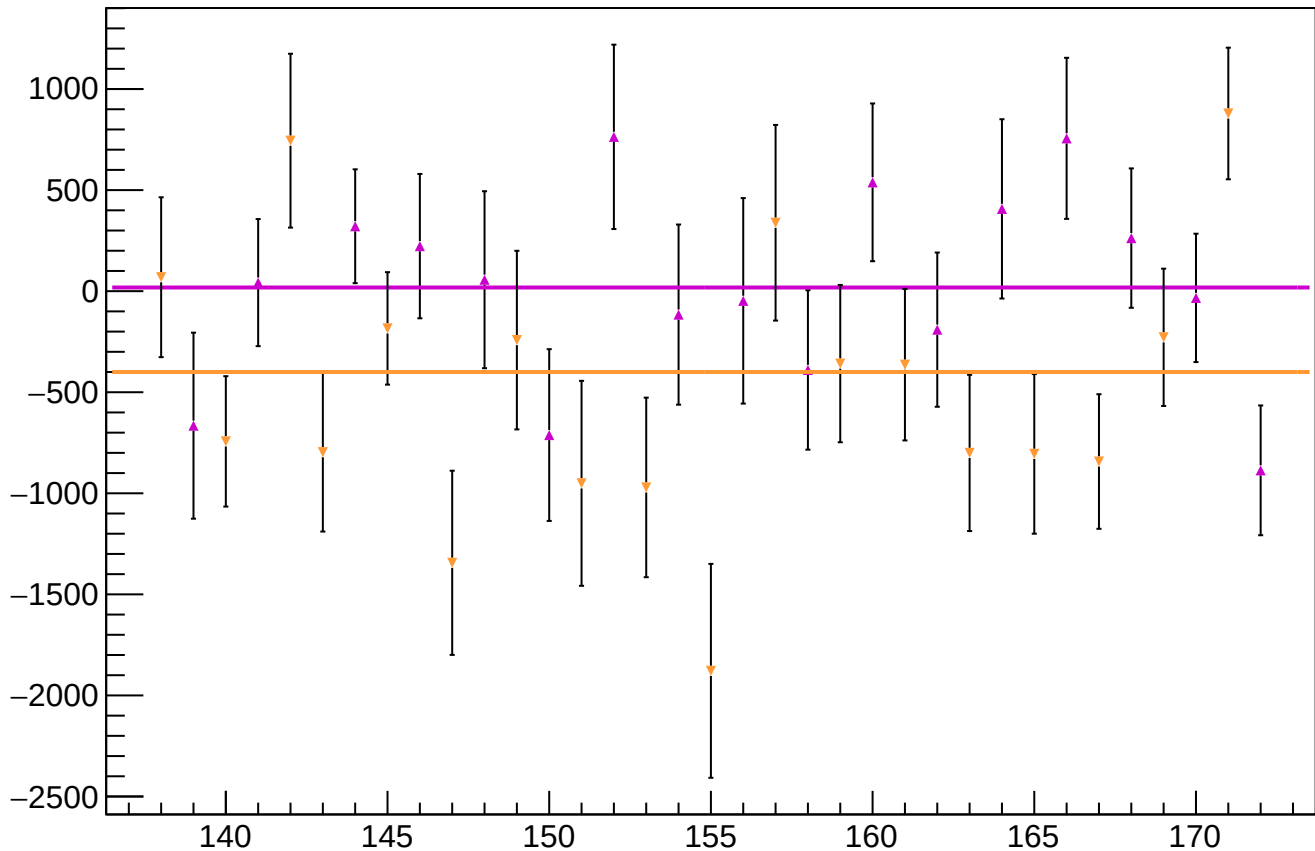
Left In: 63.266 $\pm$ 0.012 χ^2 /NDF: 91032.3/16

+ sign 65.369 $\pm$ 0.010 χ^2 /NDF: 639170.4/34

All: 65.368 $\pm$ 0.007 χ^2 /NDF: 1127389.8/70

- 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: -399.812 $\pm$ 90.719 χ^2 /NDF:48.2/17

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

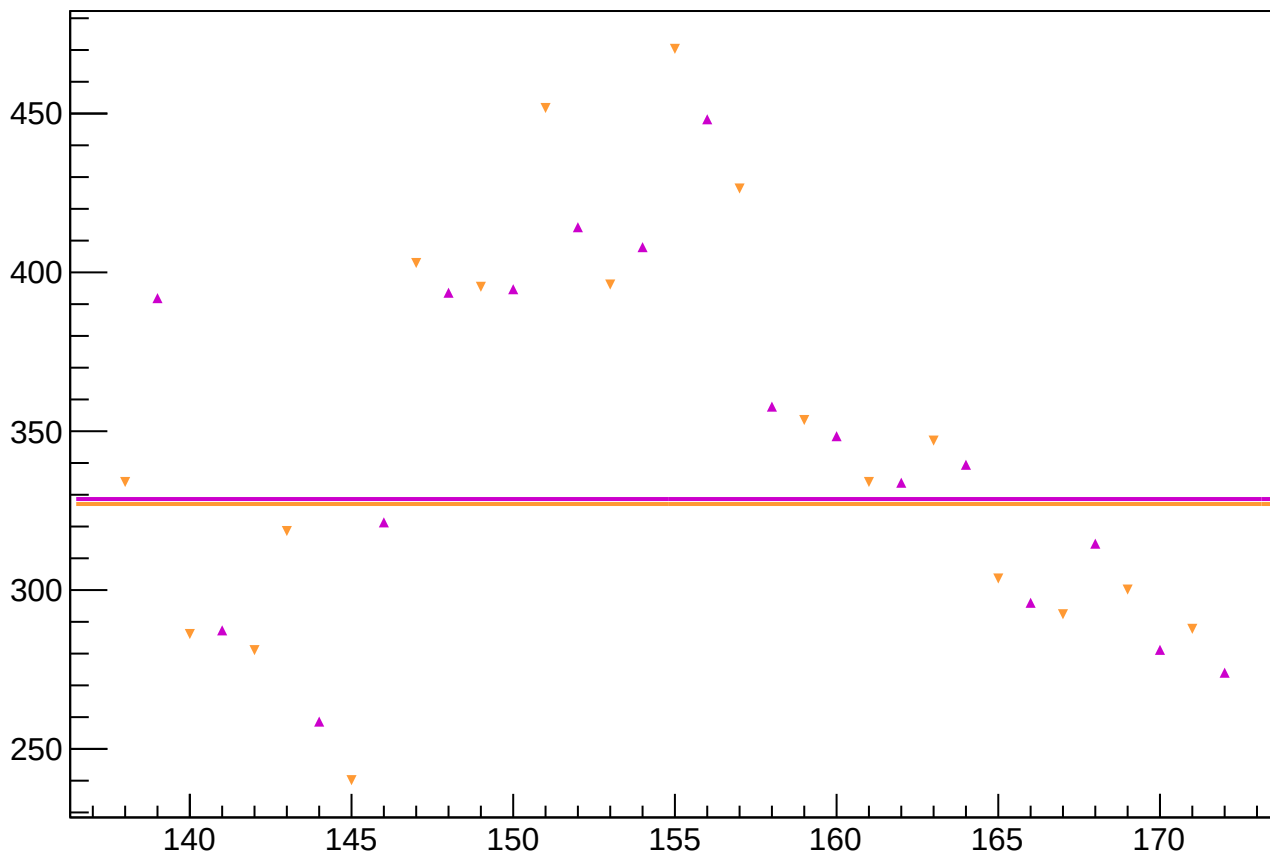
Left In: 18.208 $\pm$ 91.656 χ^2 /NDF:25.3/16

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

All: -192.951 $\pm$ 64.477 χ^2 /NDF: 84.0/34

- 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: 327.086+/-0.064 χ^2/NDF : 841106.9/17

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

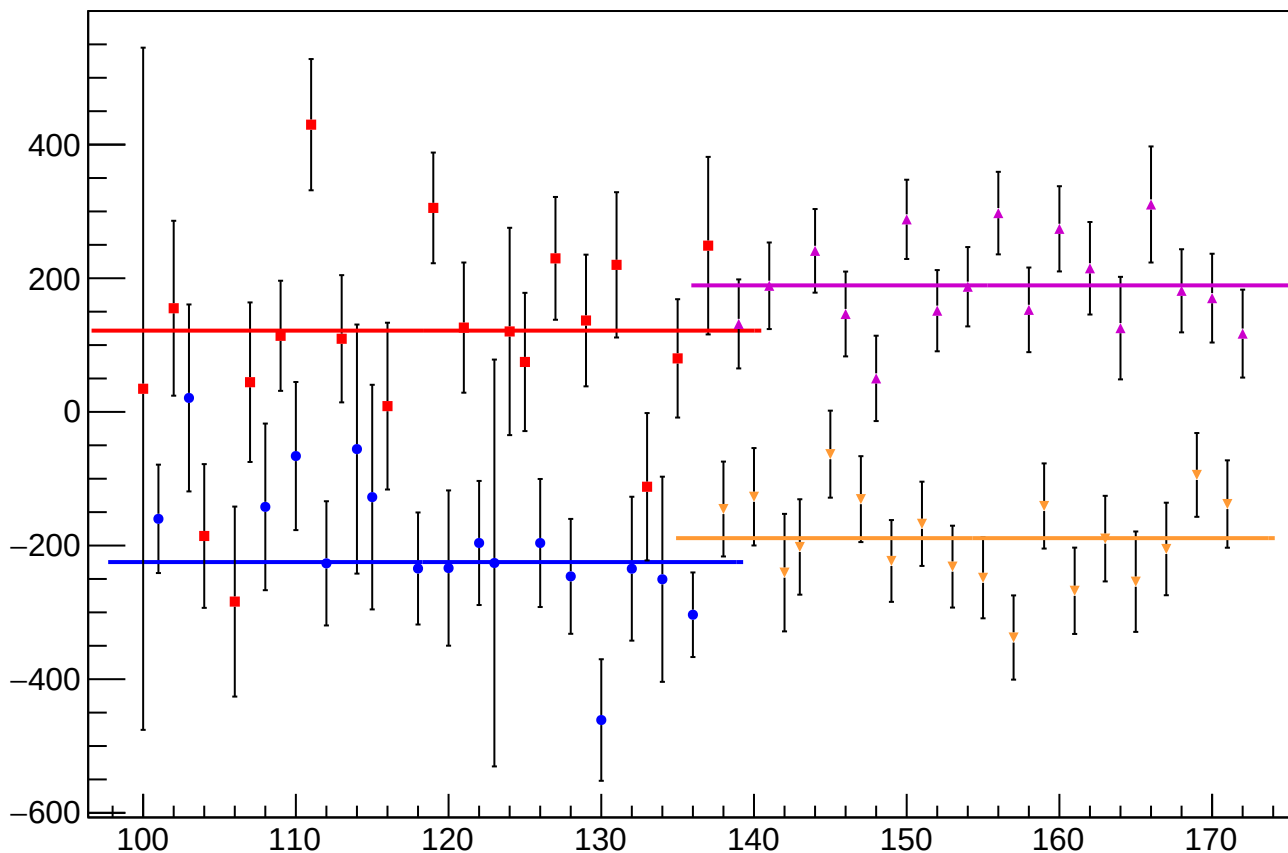
Left In: 328.657+/-0.065 χ^2/NDF : 670540.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 327.863+/-0.046 χ^2/NDF : 1511943.8/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_mean vs Slug



Right In: -224.727 $\pm$ 24.880 χ^2/NDF : 16.0/16

Left Out: -188.915 $\pm$ 15.612 χ^2/NDF : 19.2/17

Right Out: 121.633 $\pm$ 24.599 χ^2/NDF : 40.5/18

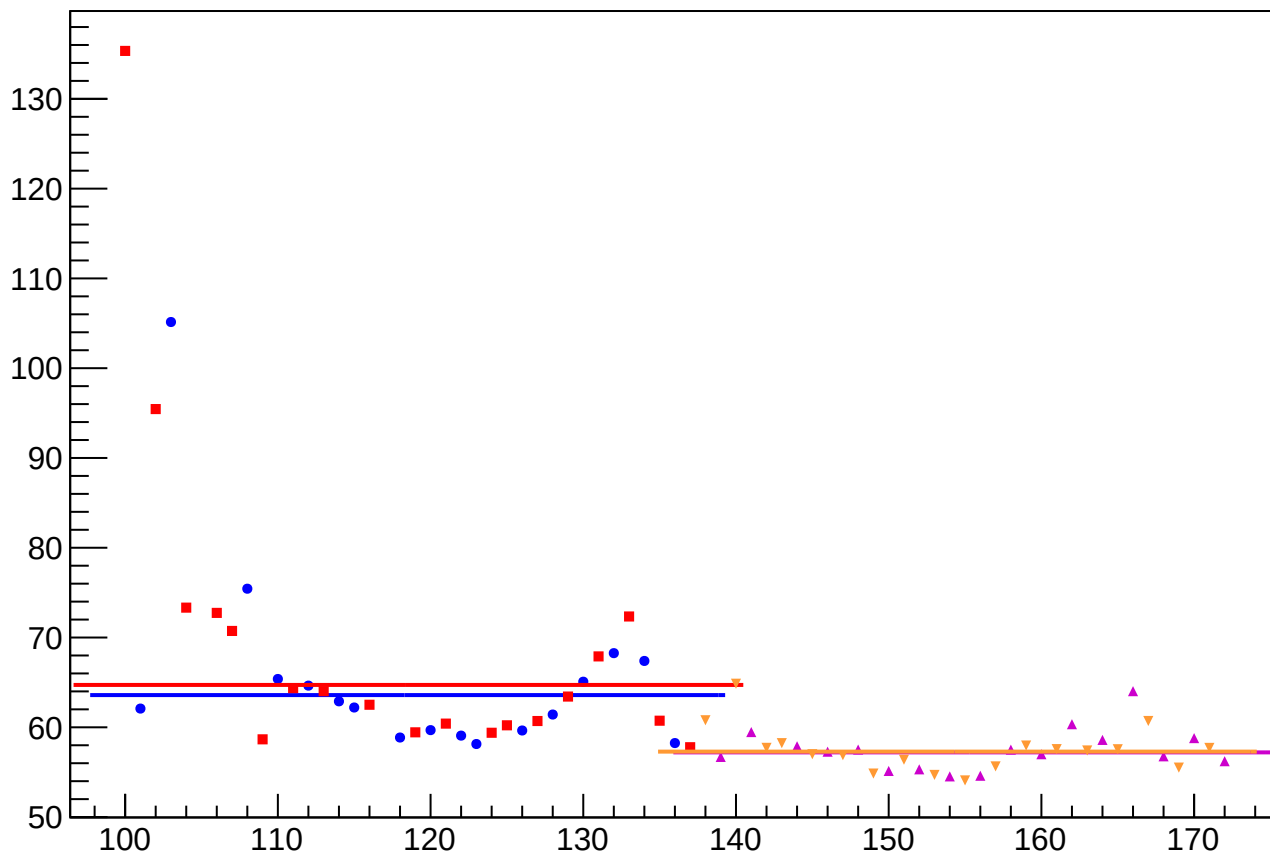
Left In: 189.345 $\pm$ 15.741 χ^2/NDF : 19.0/16

+ sign -199.032 $\pm$ 13.224 χ^2/NDF : 36.7/34

All: -15.160 $\pm$ 9.363 χ^2/NDF : 489.2/70

- sign 169.674 $\pm$ 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: 57.293+/-0.011 χ^2/NDF : 47868.9/17

Right Out: 64.720+/-0.017 χ^2/NDF : 227506.4/18

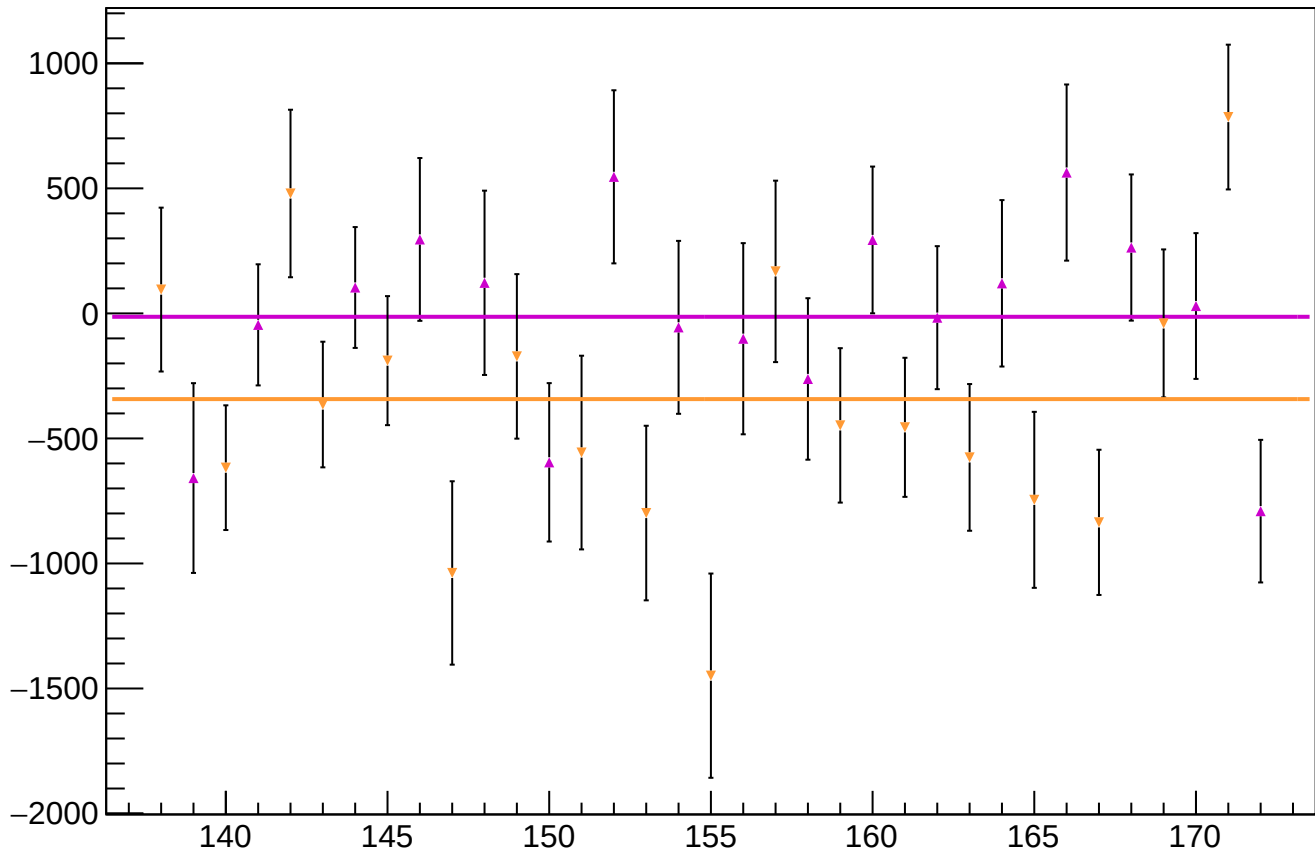
Left In: 57.206+/-0.011 χ^2/NDF : 33663.2/16

+ sign 59.071+/-0.009 χ^2/NDF : 374375.9/34

All: 59.230+/-0.007 χ^2/NDF : 768505.6/70

- 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: -342.741+/-72.806 χ^2/NDF : 45.9/17

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

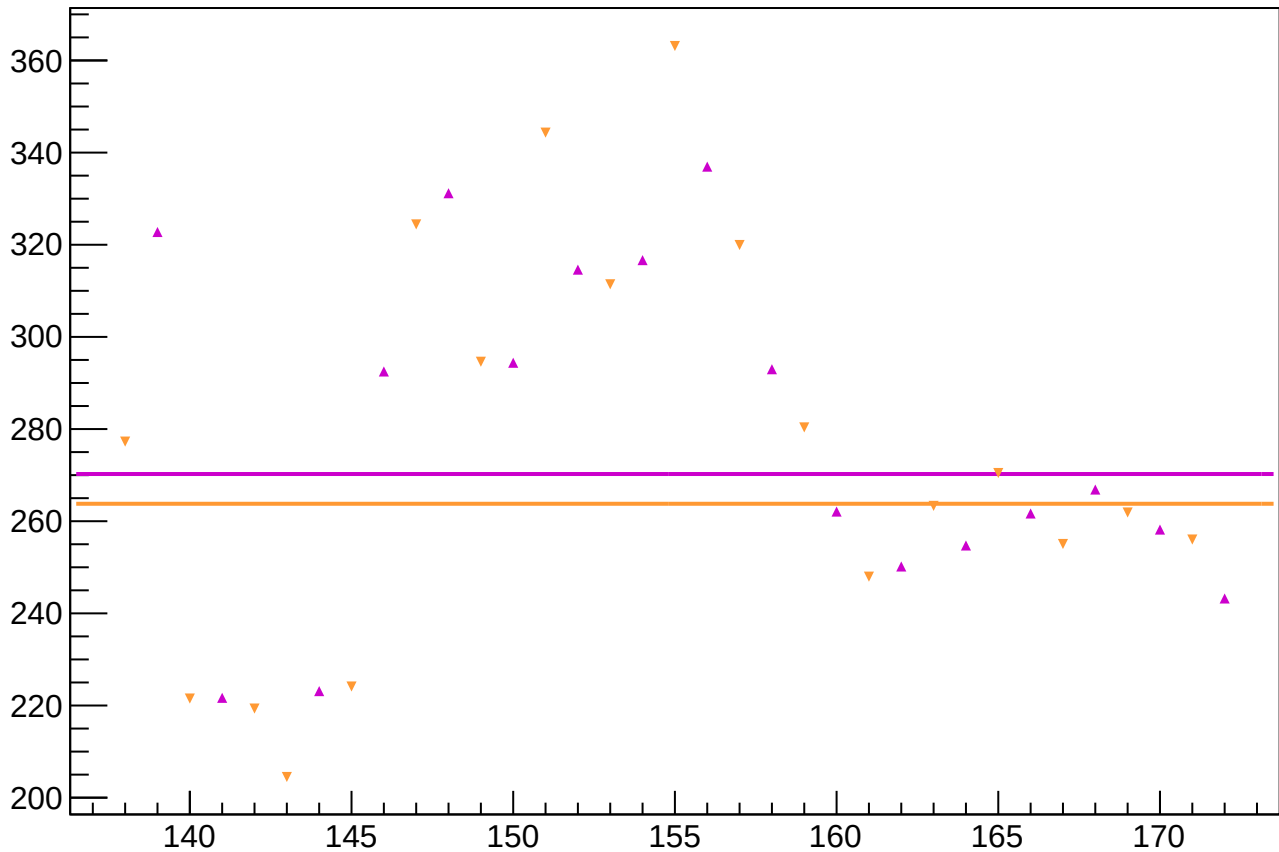
Left In: -13.561+/-75.007 χ^2/NDF : 23.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -183.050+/-52.243 χ^2/NDF : 78.9/34

- 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: 263.787+/-0.051 χ^2/NDF : 633313.6/17

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

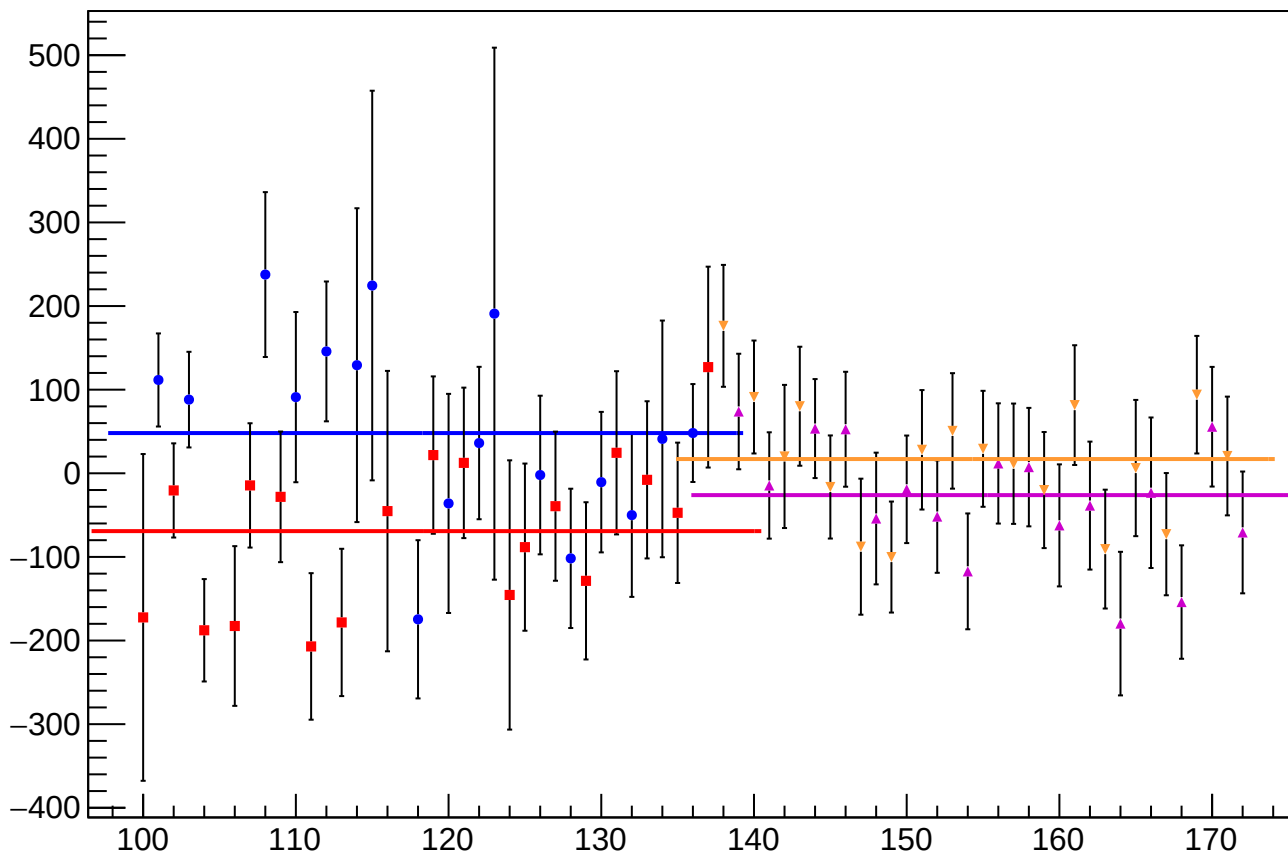
Left In: 270.243+/-0.053 χ^2/NDF : 448755.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 266.919+/-0.037 χ^2/NDF : 1089699.0/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 17.042 $\pm$ 16.833 χ^2 /NDF: 18.3/17

Right Out: -69.156 $\pm$ 20.407 χ^2 /NDF: 17.7/18

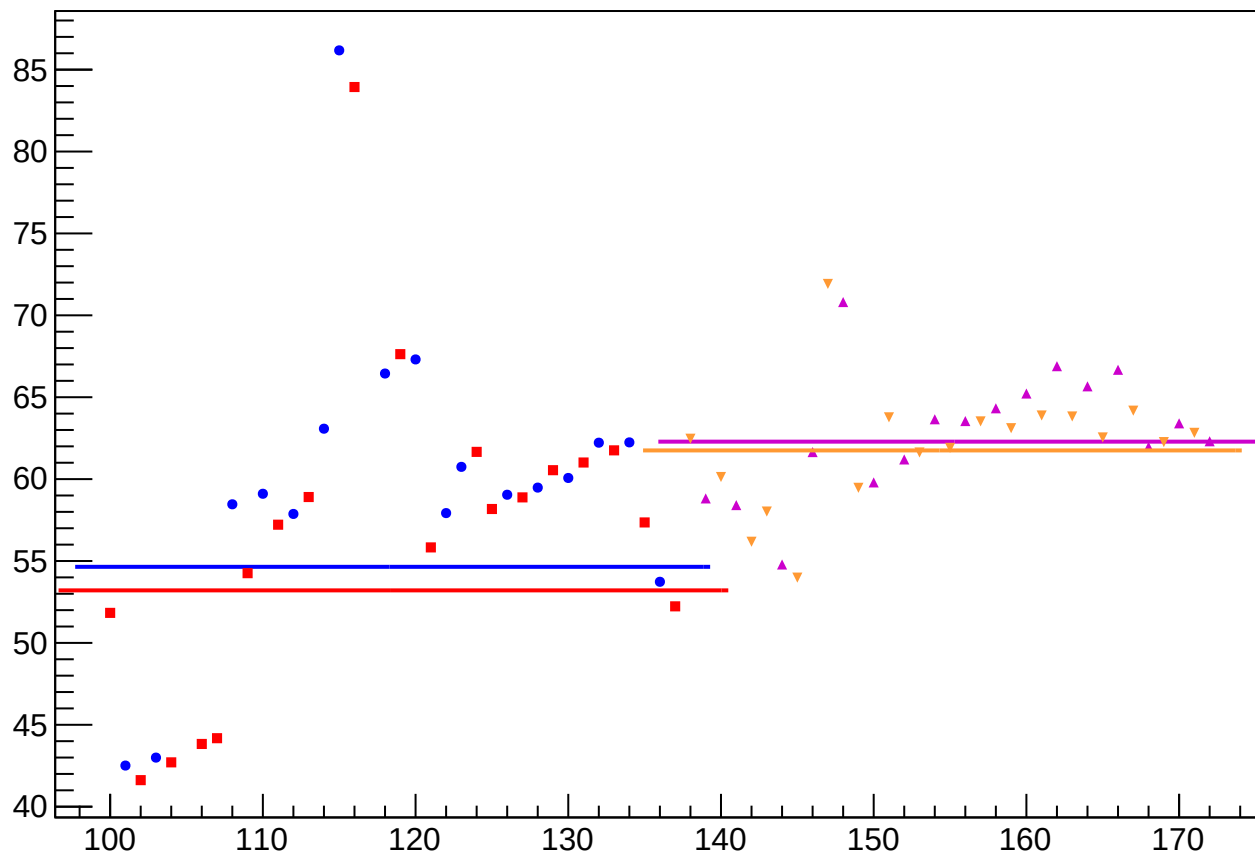
Left In: -26.094 $\pm$ 17.154 χ^2 /NDF: 16.5/16

+ sign 28.842 $\pm$ 13.257 χ^2 /NDF: 38.5/34

All: -7.887 $\pm$ 9.329 χ^2 /NDF: 90.5/70

- sign -43.924 $\pm$ 13.131 χ^2 /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: 61.751 $\pm$ 0.012 χ^2 /NDF: 90715.8/17

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

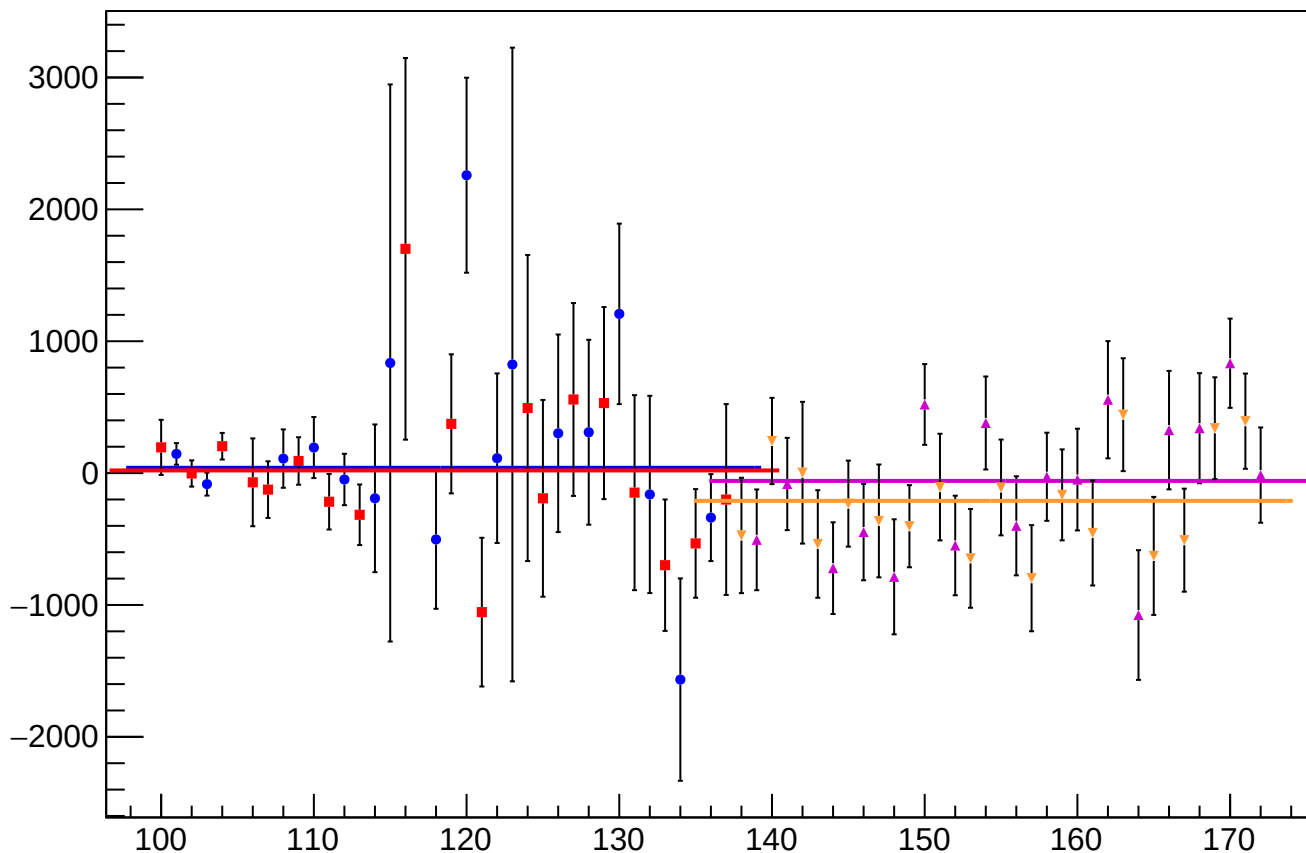
Left In: 62.288 $\pm$ 0.012 χ^2 /NDF: 93578.9/16

+ sign 59.052 $\pm$ 0.009 χ^2 /NDF: 545406.0/34

All: 58.788 $\pm$ 0.007 χ^2 /NDF: 1258909.4/70

- sign 58.528 $\pm$ 0.009 χ^2 /NDF: 711923.3/35

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -210.288 $\pm$ 90.416 χ^2 /NDF:16.2/17

Right Out: 20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

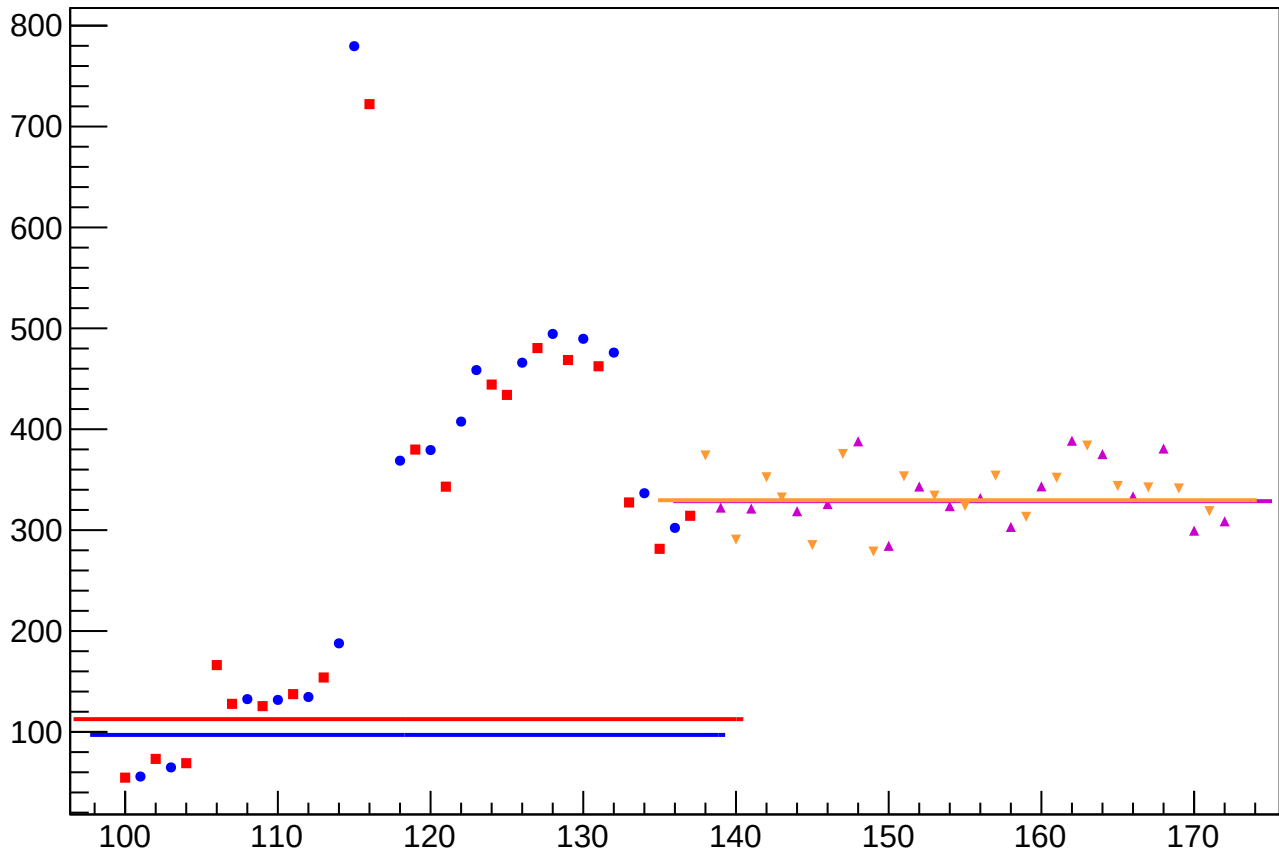
Left In: -59.101 $\pm$ 90.982 χ^2 /NDF:31.4/16

+ sign -21.230 $\pm$ 44.778 χ^2 /NDF: 45.9/34

All: -10.906 $\pm$ 32.077 χ^2 /NDF: 96.8/70

- sign -0.024 $\pm$ 45.973 χ^2 /NDF: 50.8/35

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039 $\pm$ 0.036 χ^2 /NDF: 5819709.2/16

Left Out: 329.623 $\pm$ 0.064 χ^2 /NDF: 231884.5/17

Right Out: 112.653 $\pm$ 0.038 χ^2 /NDF: 5036306.5/18

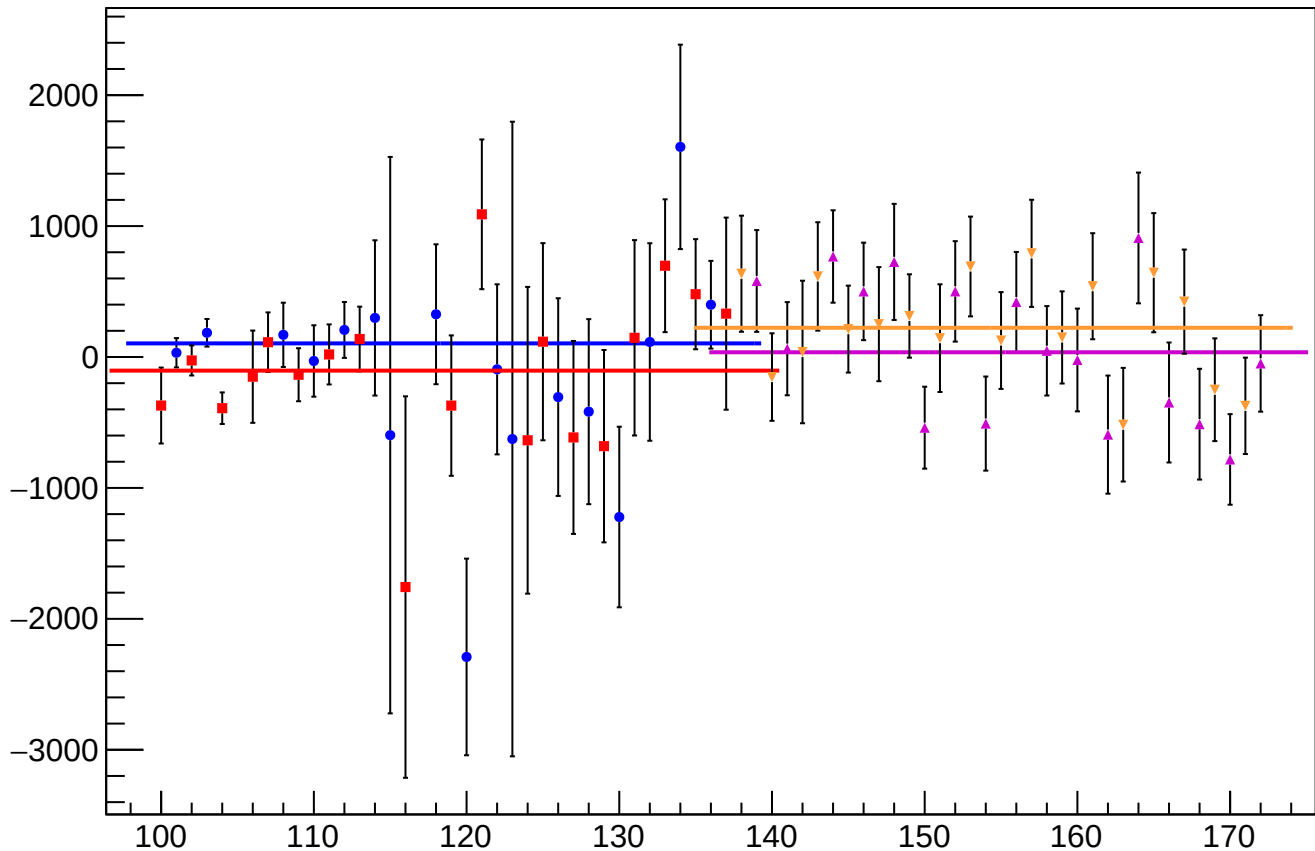
Left In: 328.693 $\pm$ 0.064 χ^2 /NDF: 206921.9/16

+ sign 154.083 $\pm$ 0.032 χ^2 /NDF: 16040020.4/34

All: 160.768 $\pm$ 0.023 χ^2 /NDF: 29772364.0/70

- sign 167.813 $\pm$ 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: 223.270 $\pm$ 92.042 χ^2 /NDF:15.5/17

Right Out: -104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

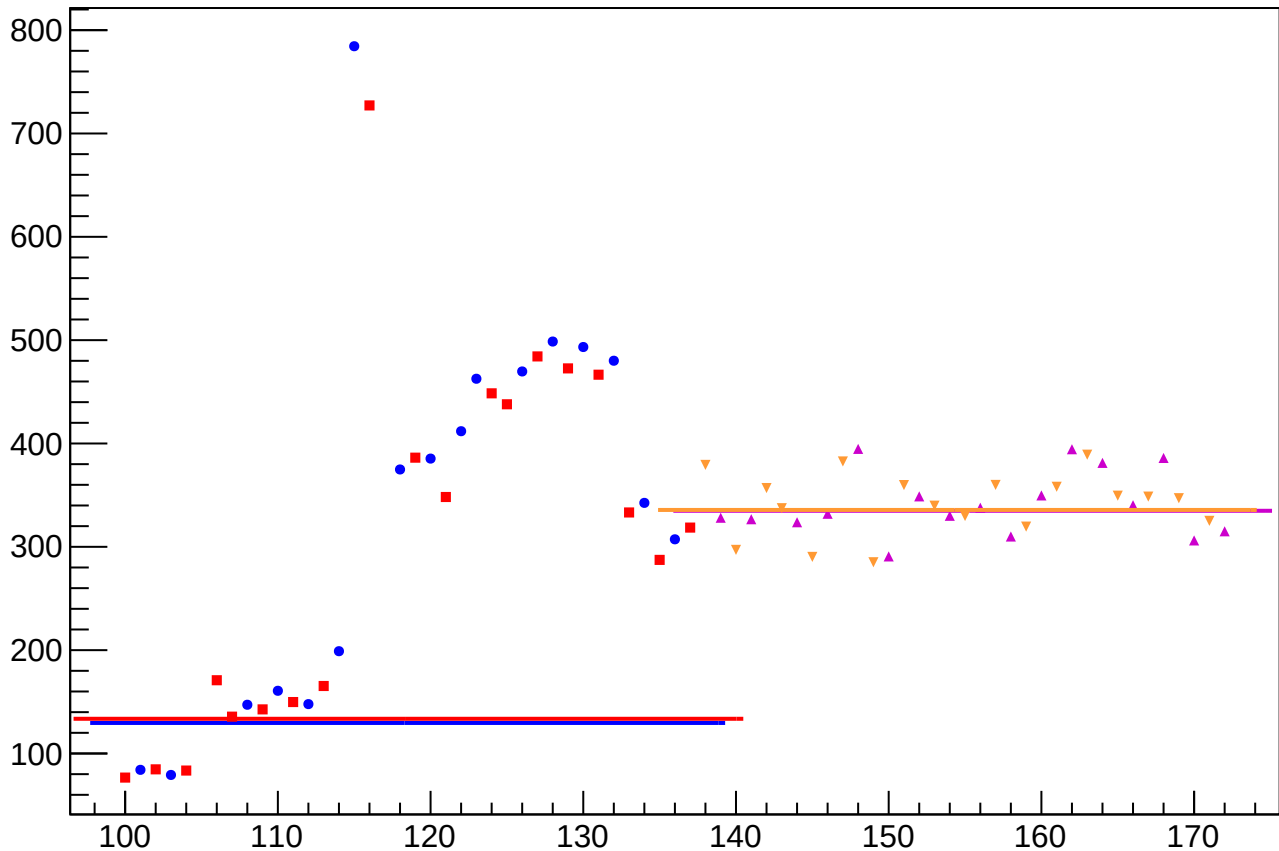
Left In: 36.128 $\pm$ 92.659 χ^2 /NDF:31.5/16

+ sign 142.180 $\pm$ 52.076 χ^2 /NDF: 38.0/34

All: 37.761 $\pm$ 36.388 χ^2 /NDF: 100.2/70

- 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: 335.686+/-0.065 χ^2/NDF :222915.0/17

+ sign 195.538+/-0.037 χ^2/NDF : 11815587.2/34

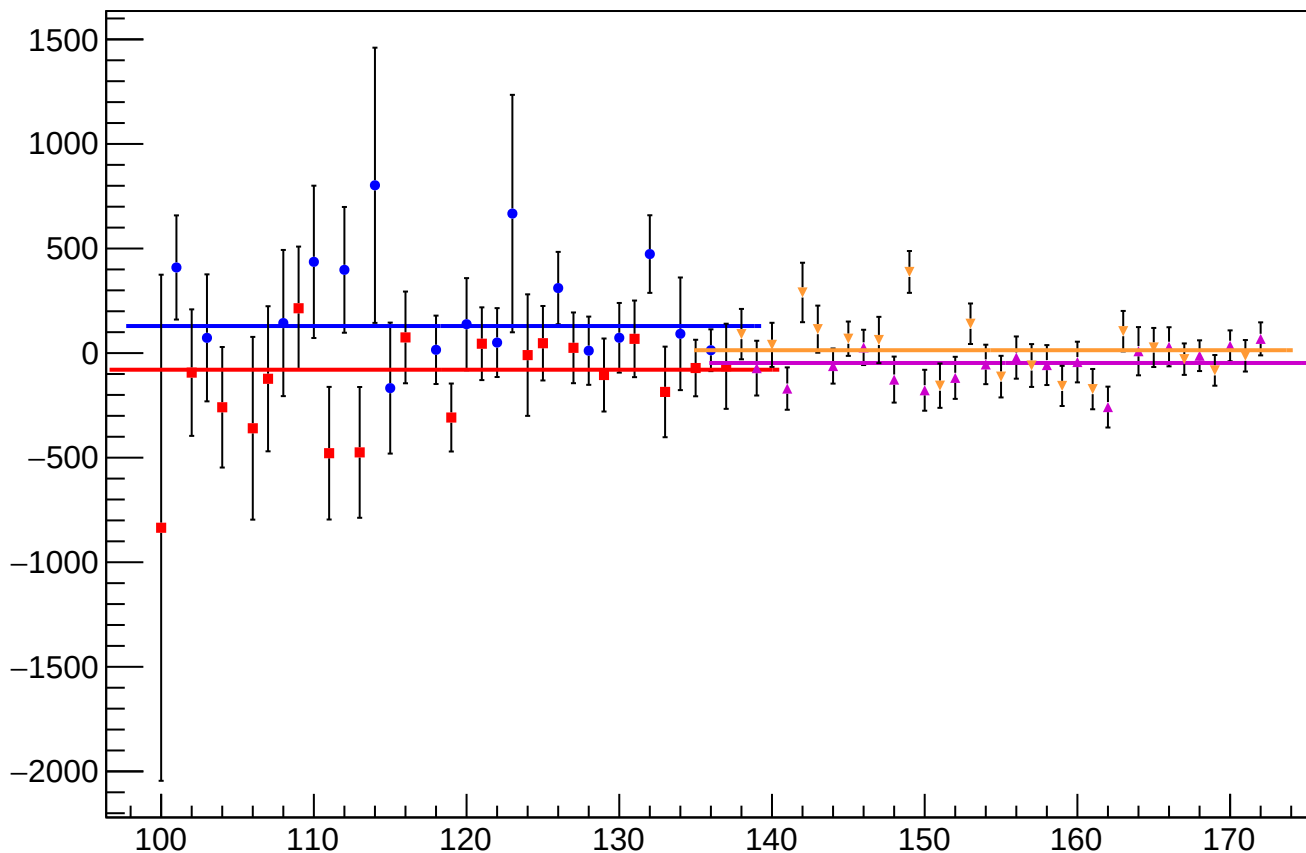
Right Out: 133.593+/-0.043 χ^2/NDF : 4366252.1/18

All: 194.880+/-0.026 χ^2/NDF : 22973812.7/70

- sign 194.252+/-0.036 χ^2/NDF : 11157601.9/35

Left In: 334.875+/-0.066 χ^2/NDF :197849.6/16

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 ± 49.122 χ^2/NDF : 12.9/16

Left Out: 13.755 ± 22.440 χ^2/NDF : 36.0/17

Right Out: -79.483 ± 49.886 χ^2/NDF : 10.2/18

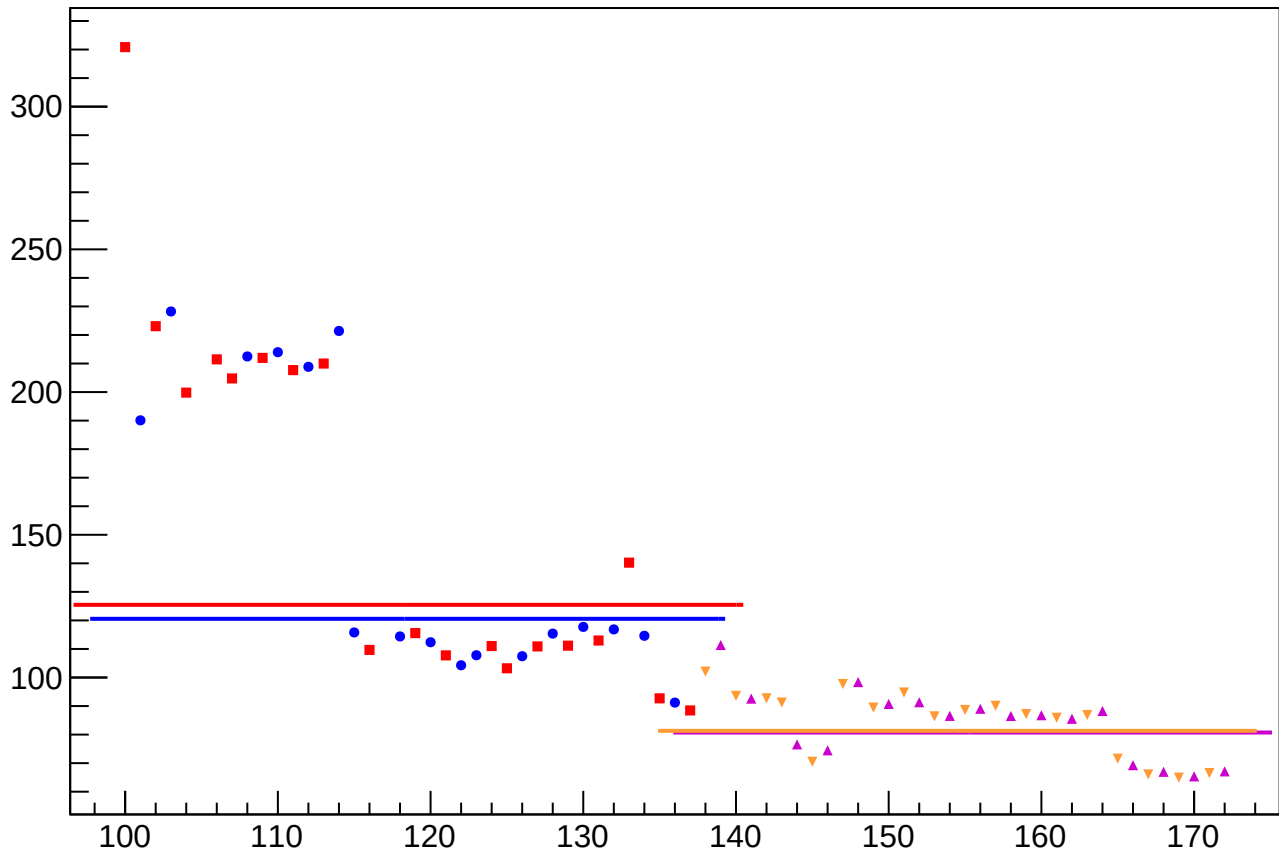
Left In: -47.278 ± 22.508 χ^2/NDF : 14.4/16

+ sign 33.722 ± 20.411 χ^2/NDF : 53.5/34

All: -9.278 ± 14.470 χ^2/NDF : 87.4/70

- sign -52.725 ± 20.517 χ^2/NDF : 24.9/35

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 81.315 $\pm$ 0.016 χ^2 /NDF: 569754.0/17

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

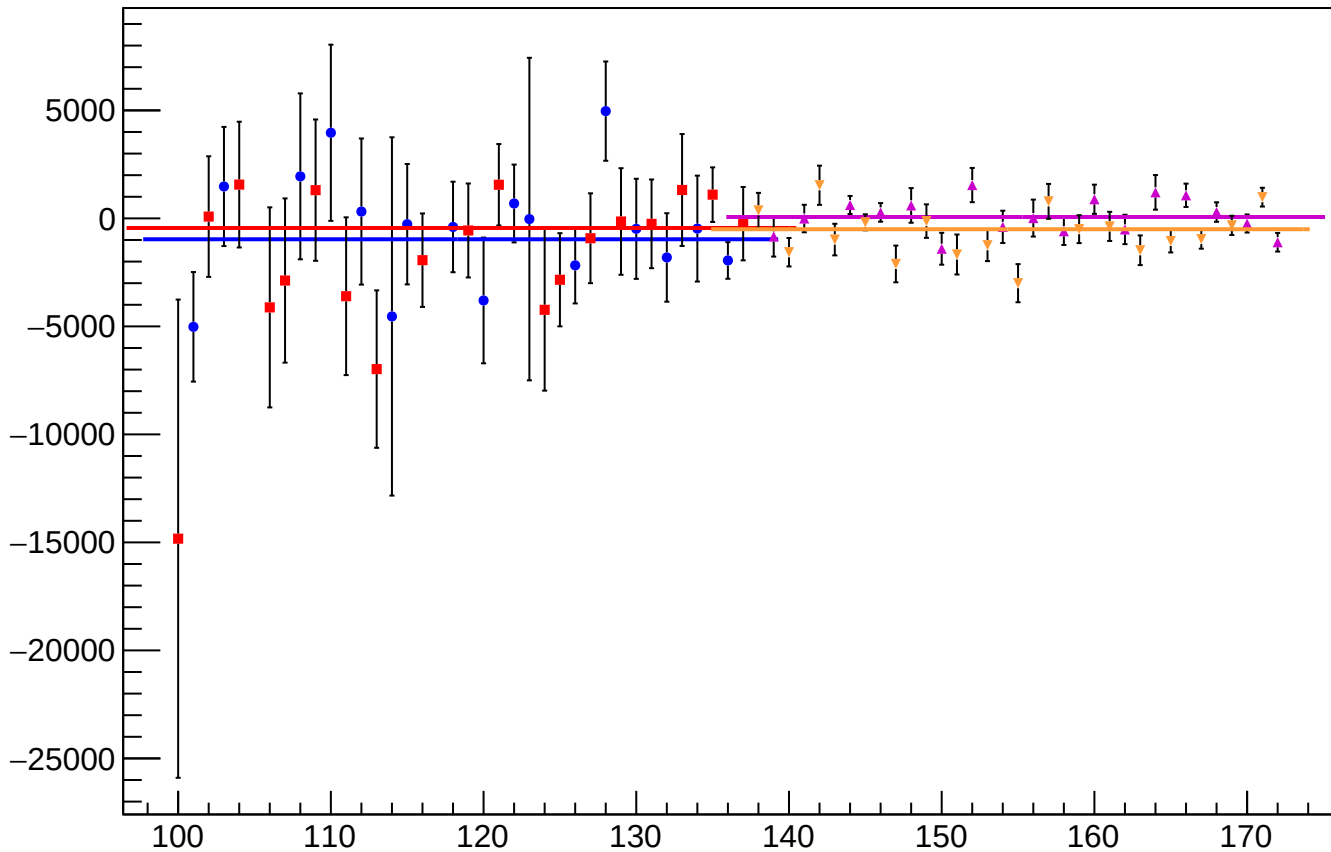
Left In: 80.725 $\pm$ 0.016 χ^2 /NDF: 543784.0/16

+ sign 88.092 $\pm$ 0.014 χ^2 /NDF: 2738293.7/34

All: 88.191 $\pm$ 0.010 χ^2 /NDF: 5952091.9/70

- sign 88.292 $\pm$ 0.015 χ^2 /NDF: 3213702.7/35

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -502.352 ± 143.306 χ^2/NDF : 43.0/17

Right Out: -444.406 ± 545.370 χ^2/NDF : 13.4/18

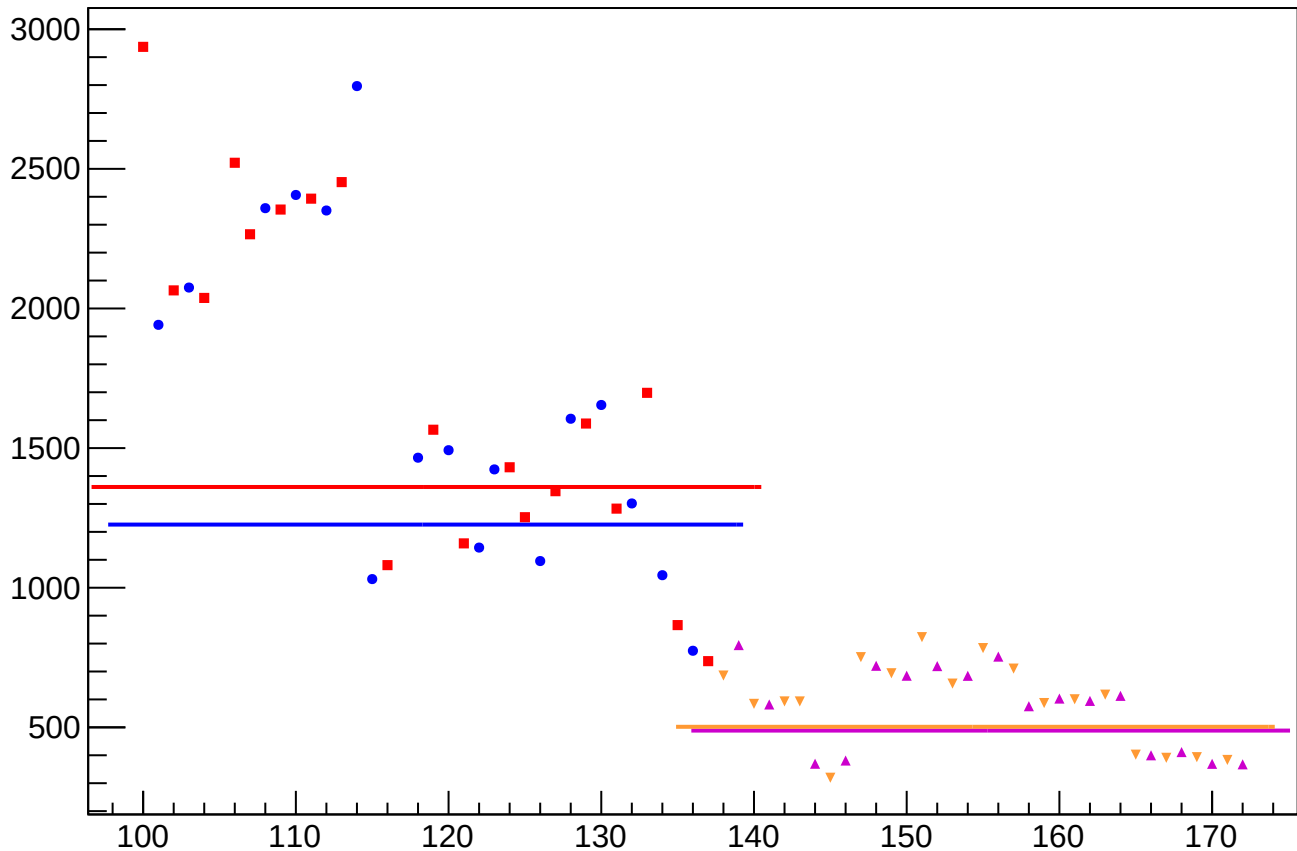
Left In: 63.697 ± 140.398 χ^2/NDF : 28.1/16

+ sign -536.036 ± 138.009 χ^2/NDF : 60.1/34

All: -247.722 ± 96.856 χ^2/NDF : 111.0/70

- sign 32.116 ± 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: 501.981+/-0.101 χ^2/NDF : 2225683.3/17

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

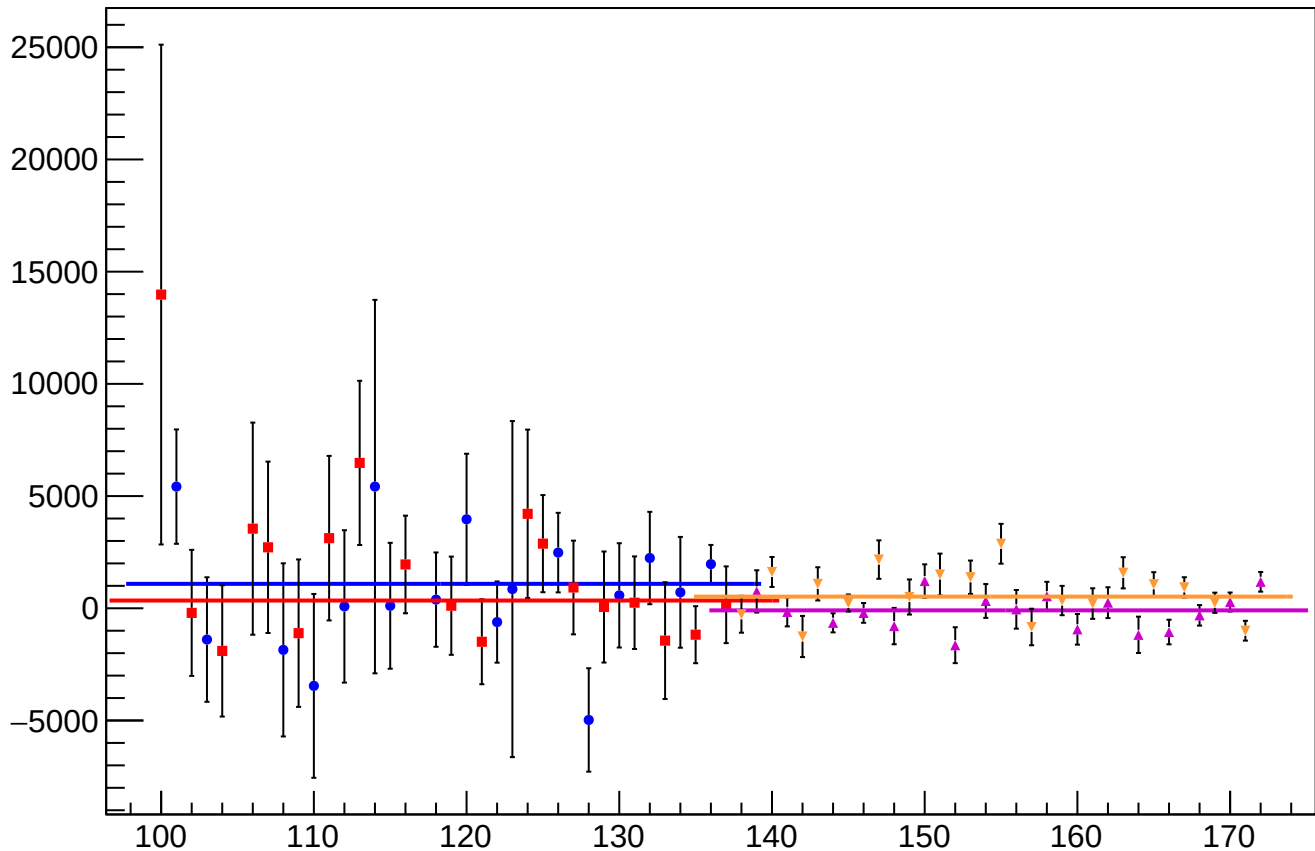
Left In: 488.434+/-0.099 χ^2/NDF : 1976303.5/16

+ sign 554.525+/-0.098 χ^2/NDF : 7687629.2/34

All: 548.500+/-0.068 χ^2/NDF : 16219471.3/70

- sign 542.653+/-0.096 χ^2/NDF : 8524331.3/35

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 ± 515.272 χ^2/NDF : 16.9/16

Left Out: 519.873 ± 145.337 χ^2/NDF : 41.2/17

Right Out: 345.640 ± 548.191 χ^2/NDF : 12.5/18

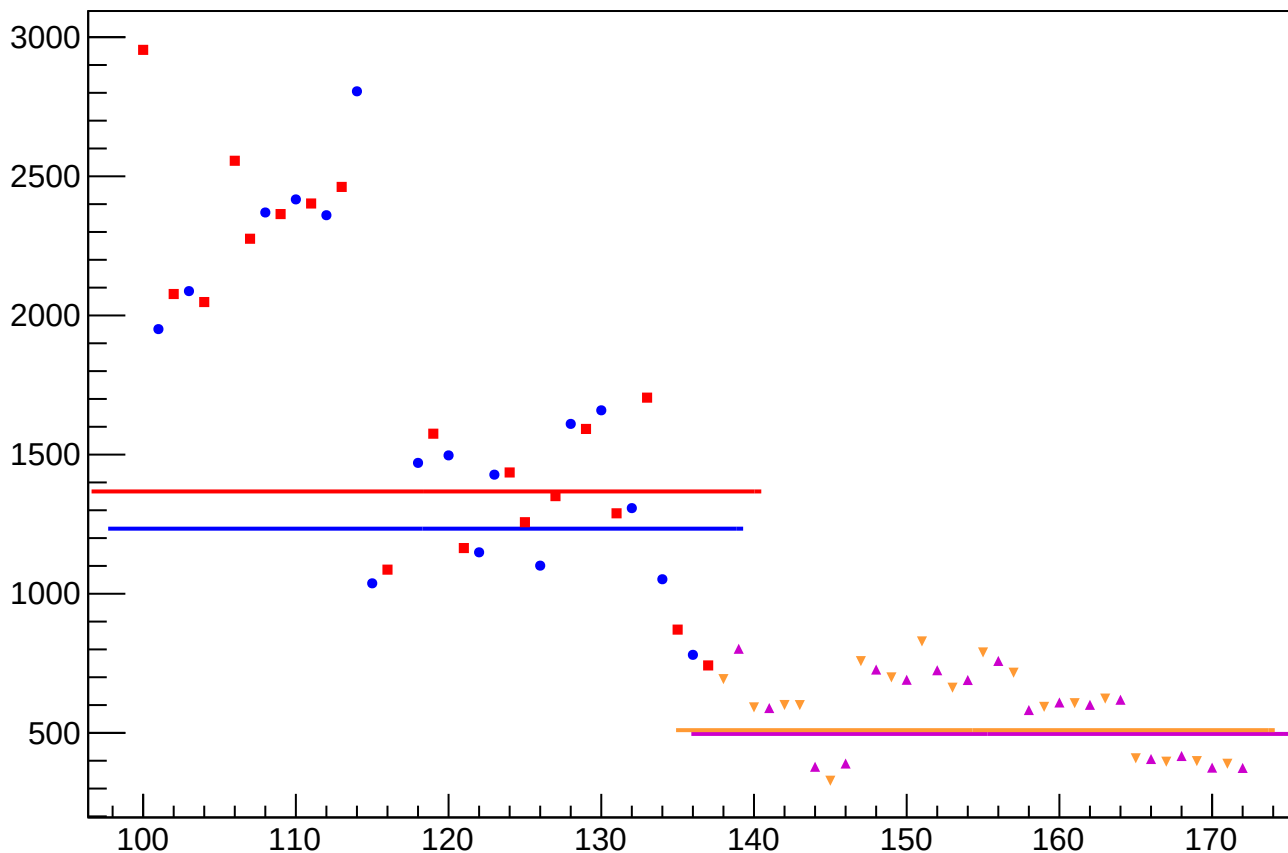
Left In: -92.769 ± 142.478 χ^2/NDF : 27.6/16

+ sign 561.819 ± 139.879 χ^2/NDF : 59.3/34

All: 243.921 ± 98.201 χ^2/NDF : 110.2/70

- sign -65.028 ± 137.897 χ^2/NDF : 40.7/35

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 509.836+/-0.103 χ^2/NDF : 2158496.7/17

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

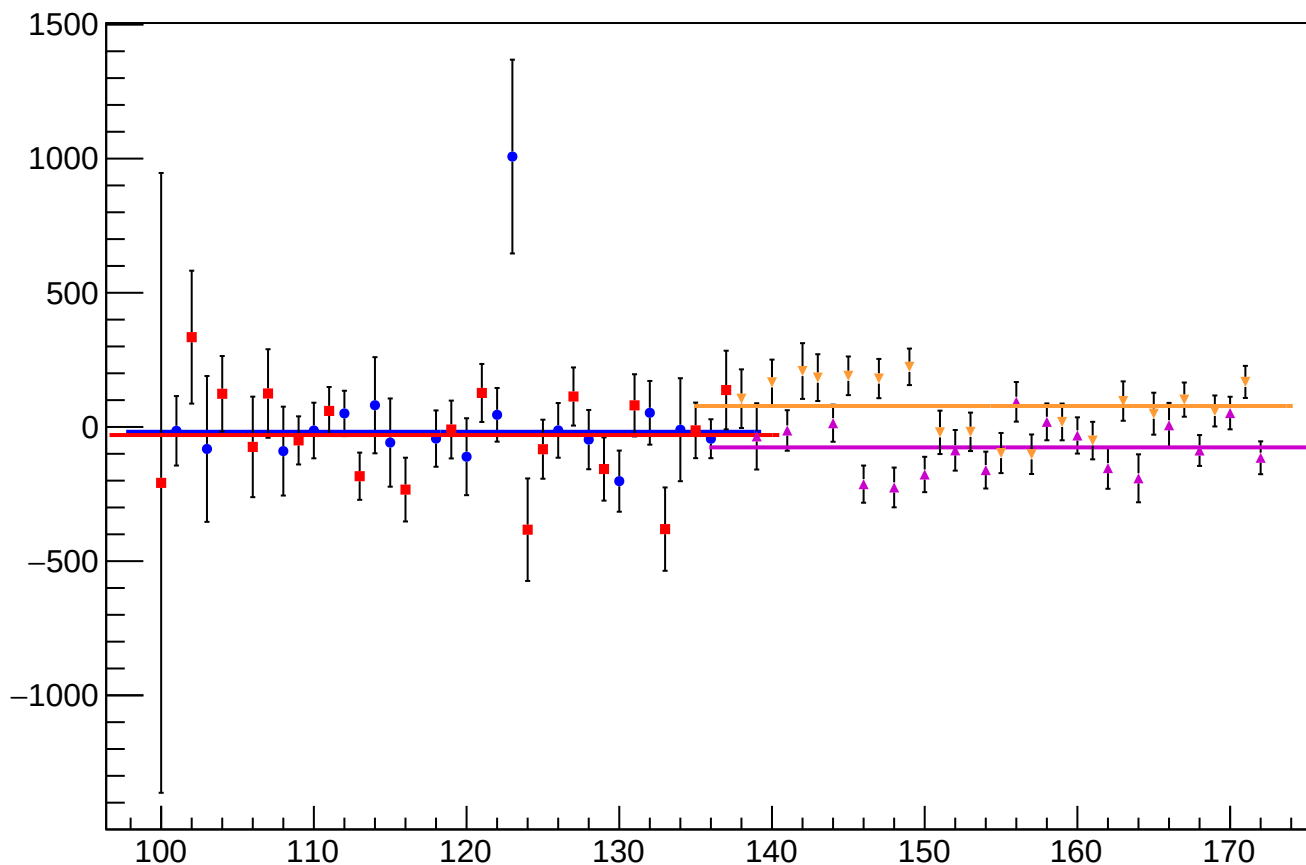
Left In: 496.315+/-0.101 χ^2/NDF : 1919104.0/16

+ sign 563.192+/-0.099 χ^2/NDF : 7560351.0/34

All: 557.236+/-0.069 χ^2/NDF : 15963880.3/70

- sign 551.447+/-0.098 χ^2/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: 78.070 ± 17.286 χ^2/NDF : 34.8/17

Right Out: -30.070 ± 27.976 χ^2/NDF : 27.4/18

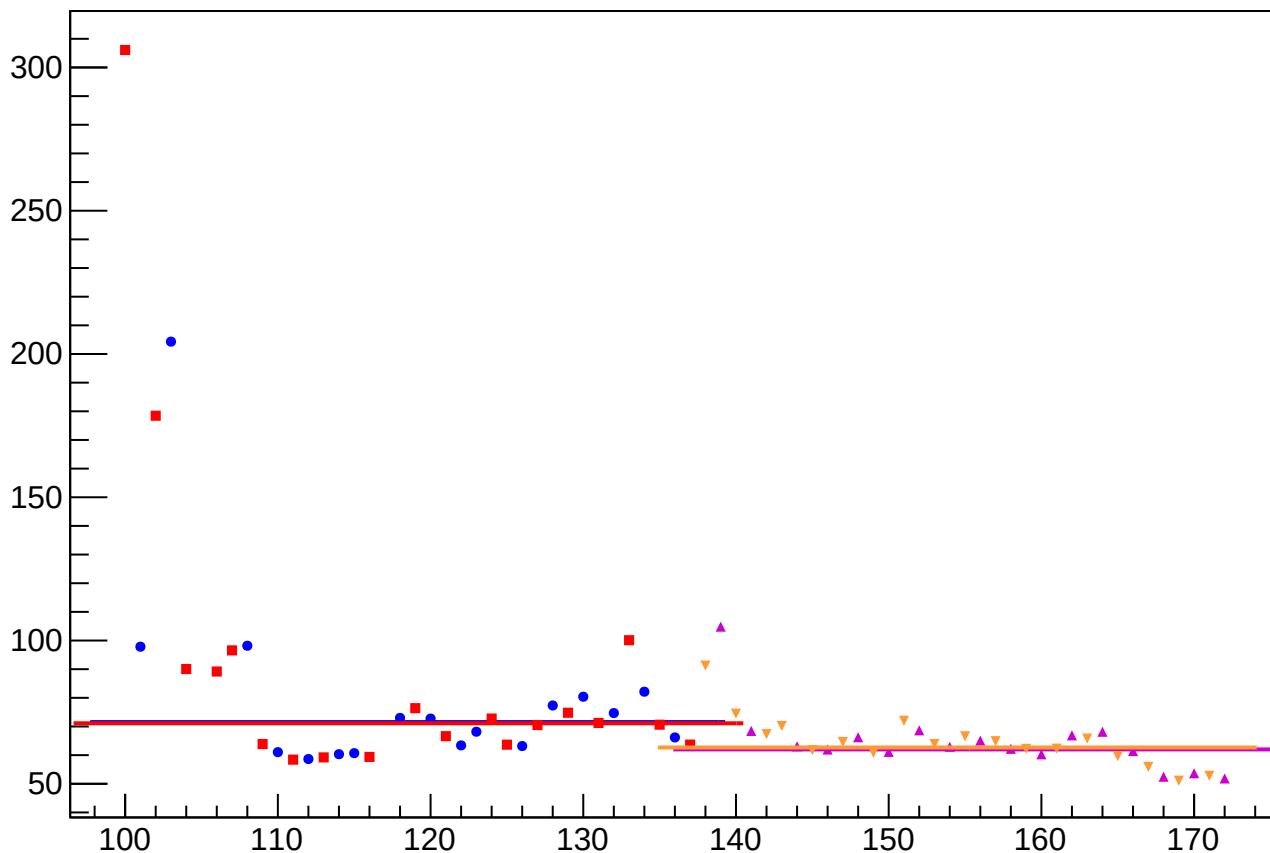
Left In: -76.003 ± 17.272 χ^2/NDF : 30.6/16

+ sign 52.697 ± 14.828 χ^2/NDF : 56.3/34

All: -5.828 ± 10.438 χ^2/NDF : 147.1/70

- 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: 62.673 $\pm$ 0.012 χ^2 /NDF: 396366.7/17

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

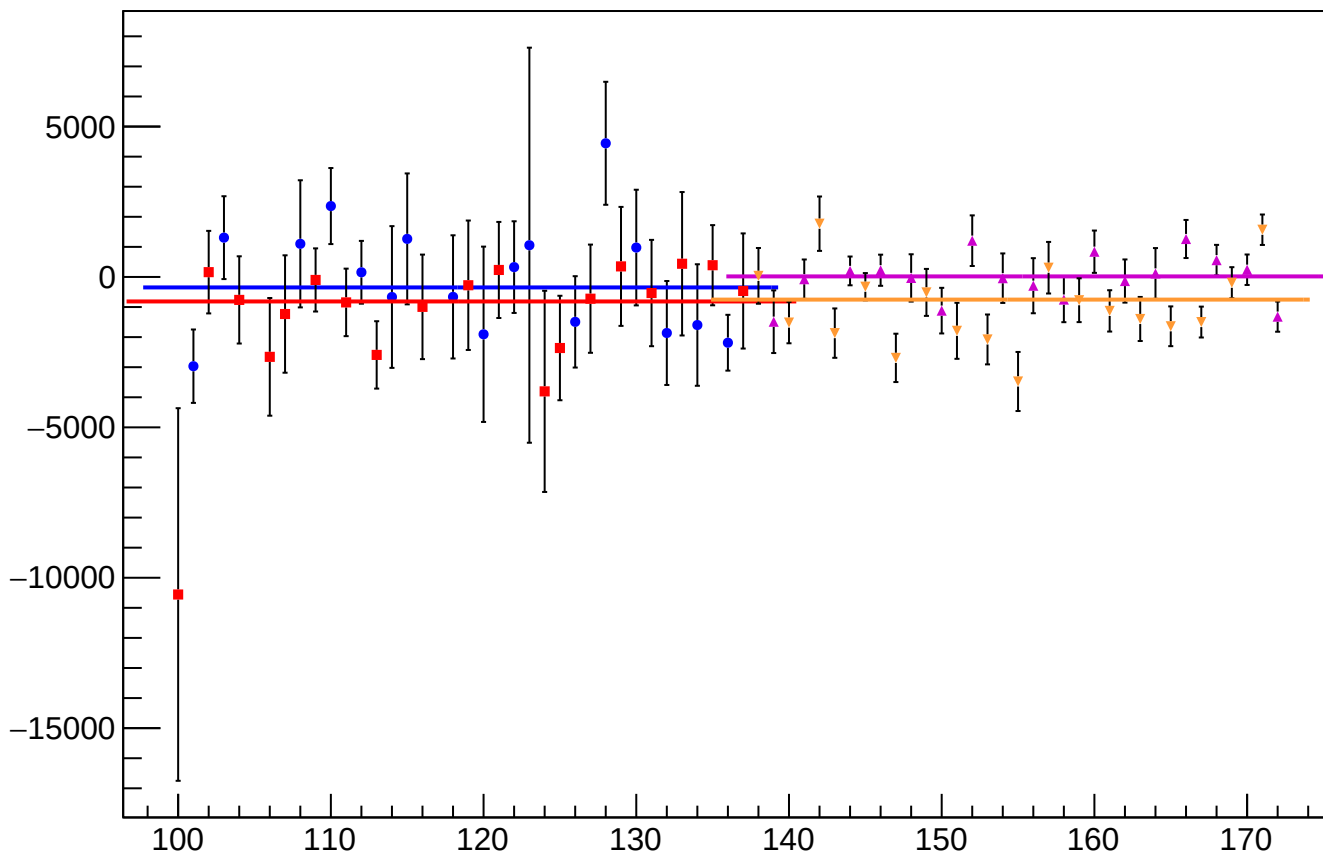
Left In: 61.998 $\pm$ 0.012 χ^2 /NDF: 448590.2/16

+ sign 65.014 $\pm$ 0.010 χ^2 /NDF: 1294237.7/34

All: 64.762 $\pm$ 0.007 χ^2 /NDF: 2662922.8/70

- 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: -752.879 $\pm$ 160.843 χ^2/NDF : 58.6/17

Right Out: -814.154 $\pm$ 369.807 χ^2/NDF : 10.5/18

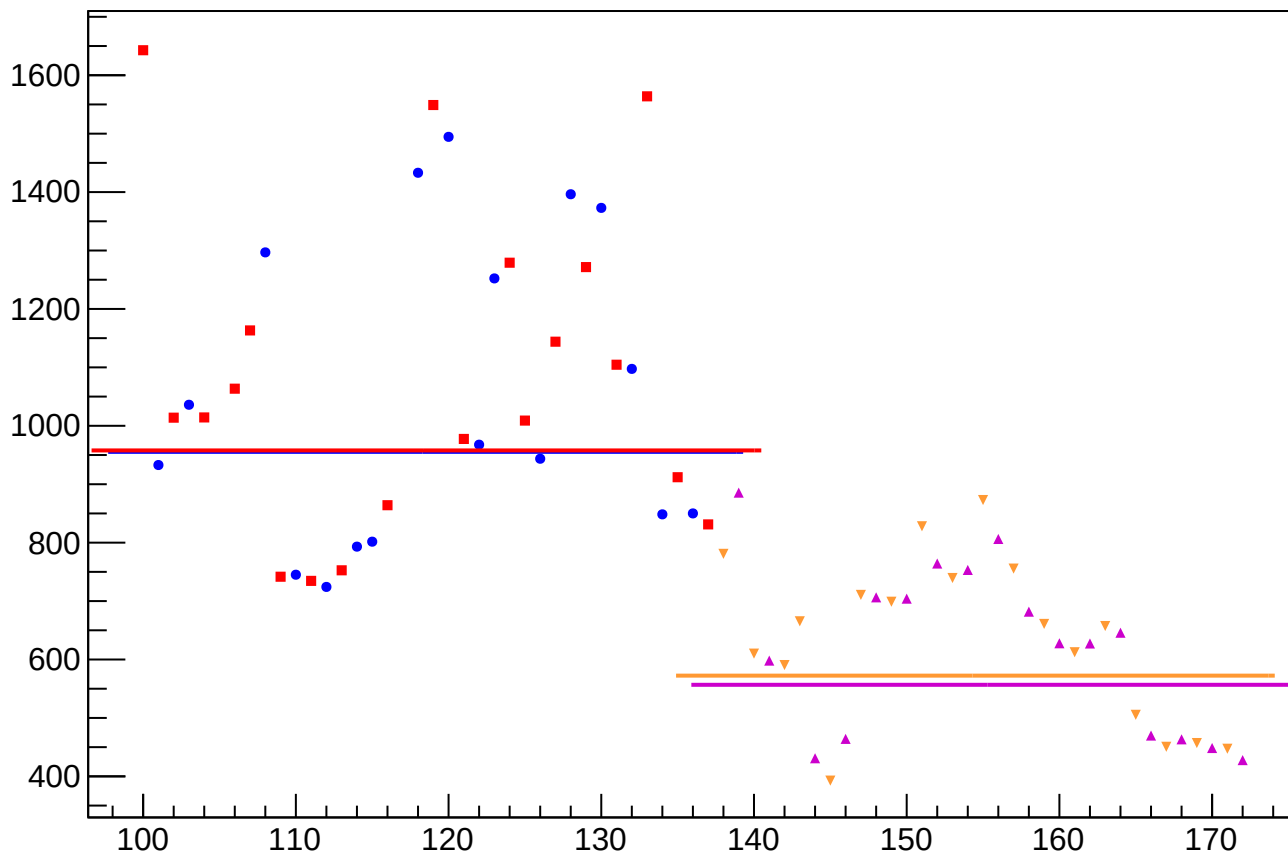
Left In: 18.496 $\pm$ 157.779 χ^2/NDF : 21.5/16

+ sign -691.897 $\pm$ 148.238 χ^2/NDF : 83.7/34

All: -394.632 $\pm$ 103.701 χ^2/NDF : 127.9/70

- 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: 572.407 $\pm$ 0.114 χ^2 /NDF: 1488976.5/17

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

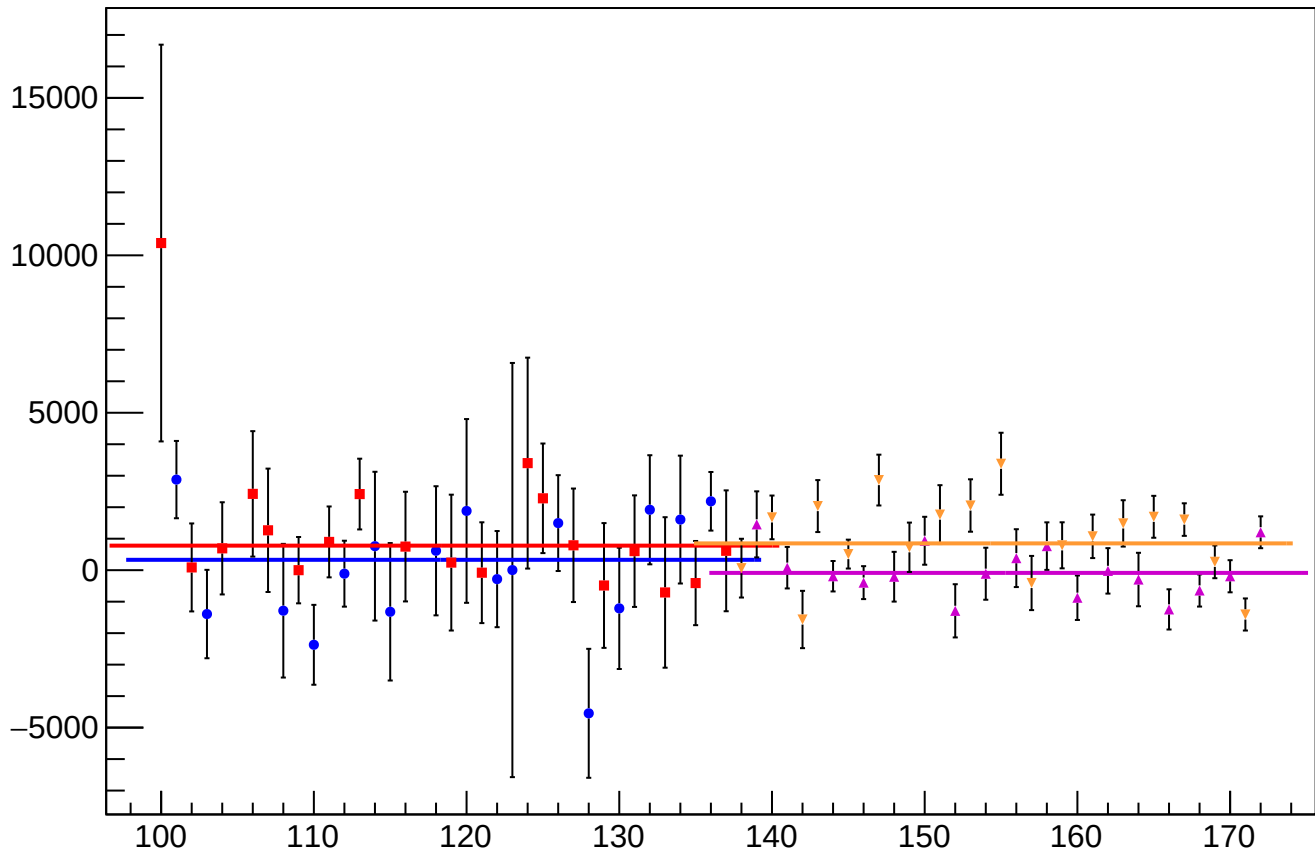
Left In: 556.706 $\pm$ 0.112 χ^2 /NDF: 1387988.7/16

+ sign 630.087 $\pm$ 0.105 χ^2 /NDF: 3843429.0/34

All: 624.161 $\pm$ 0.073 χ^2 /NDF: 7921647.9/70

- 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: 850.779 ± 161.935 χ^2/NDF : 55.3/17

Right Out: 779.623 ± 371.673 χ^2/NDF : 9.3/18

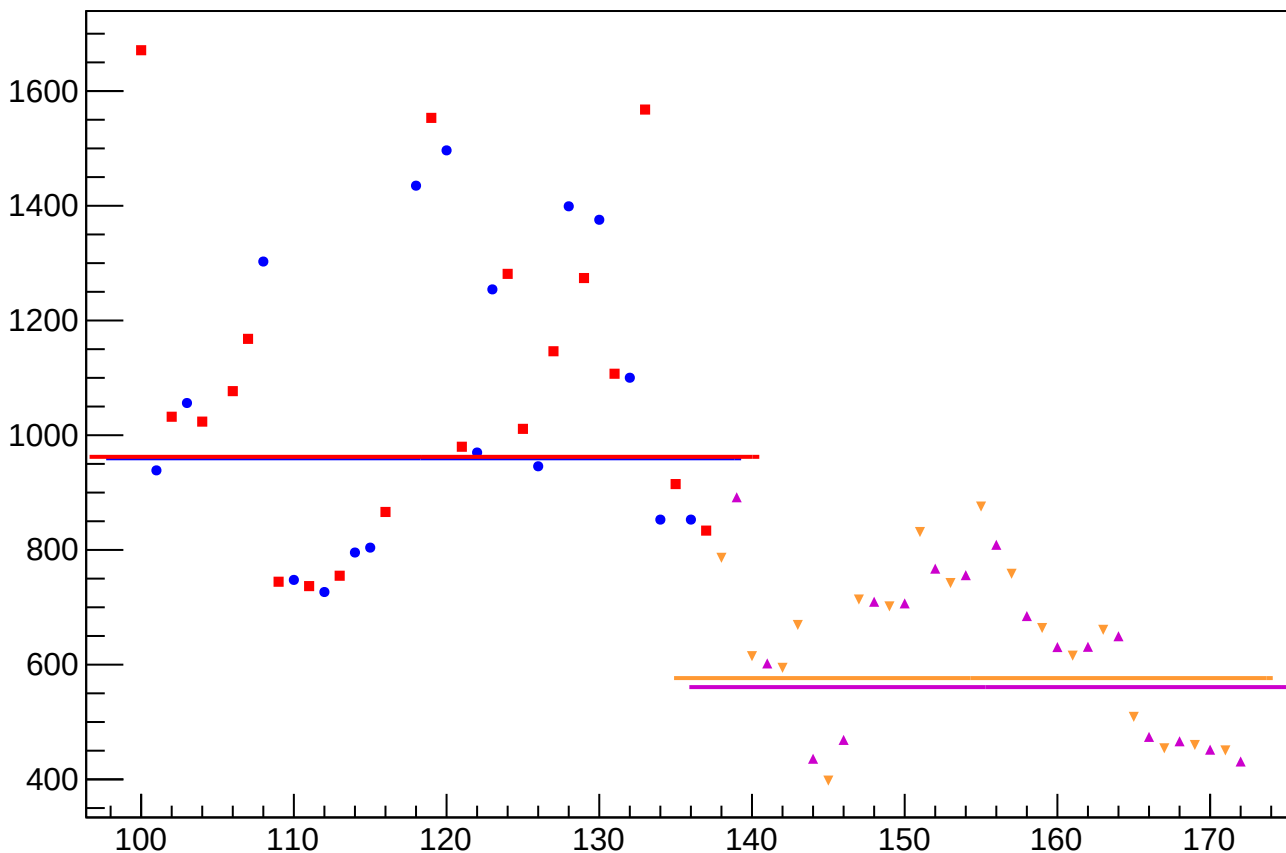
Left In: -86.357 ± 158.883 χ^2/NDF : 20.4/16

+ sign 771.928 ± 149.194 χ^2/NDF : 81.2/34

All: 402.079 ± 104.383 χ^2/NDF : 127.5/70

- 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: 576.577 $\pm$ 0.115 χ^2 /NDF:1463053.6/17

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

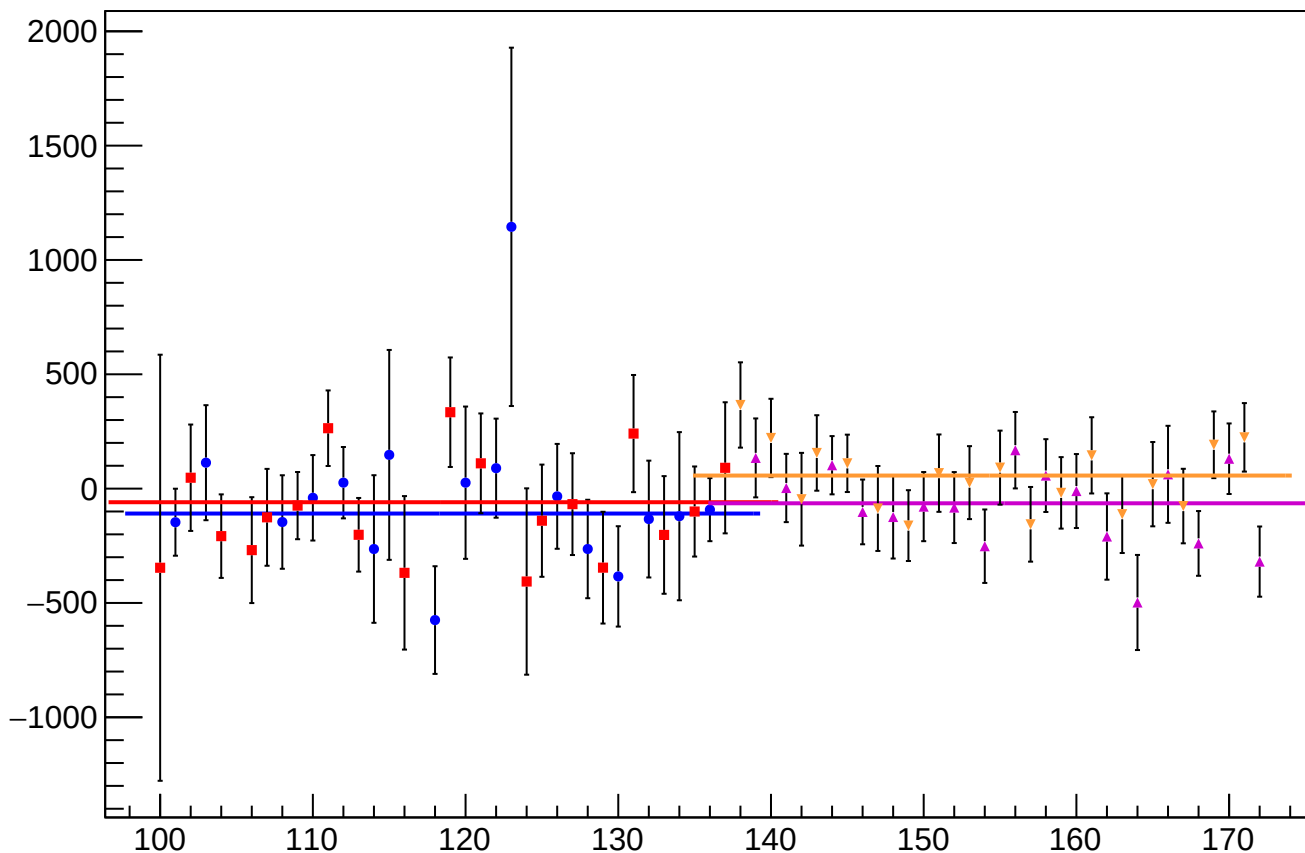
Left In: 560.861 $\pm$ 0.112 χ^2 /NDF:1366105.5/16

+ sign 634.503 $\pm$ 0.105 χ^2 /NDF: 3802721.0/34

All: 628.573 $\pm$ 0.074 χ^2 /NDF: 7843594.0/70

- 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: 57.166 ± 38.400 χ^2/NDF : 13.2/17

Right Out: -59.475 ± 50.822 χ^2/NDF : 14.9/18

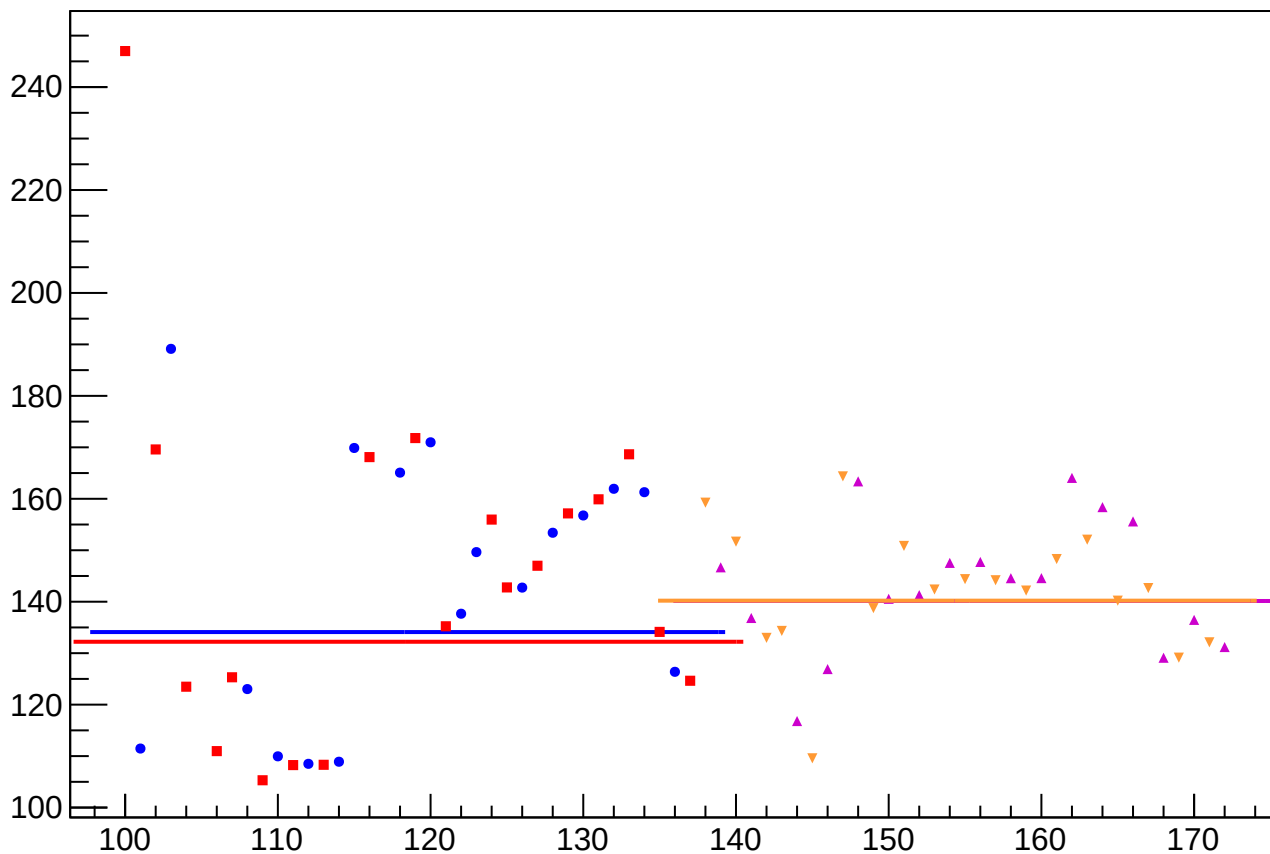
Left In: -64.144 ± 38.765 χ^2/NDF : 18.6/16

+ sign -0.136 ± 31.080 χ^2/NDF : 31.6/34

All: -31.541 ± 21.885 χ^2/NDF : 67.1/70

- 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: 140.203 $\pm$ 0.027 χ^2 /NDF: 231455.7/17

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

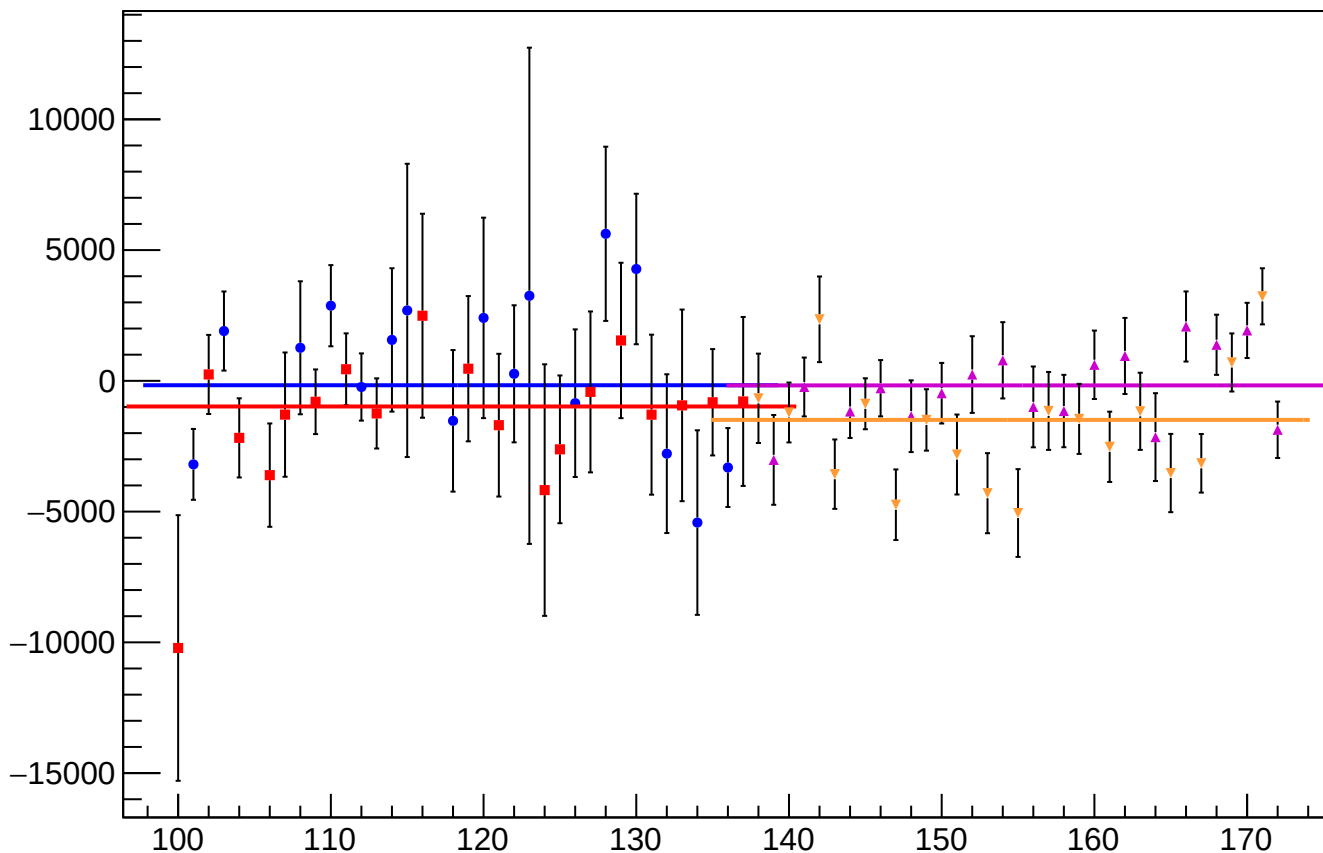
Left In: 140.141 $\pm$ 0.027 χ^2 /NDF: 210883.8/16

+ sign 138.099 $\pm$ 0.022 χ^2 /NDF: 651444.3/34

All: 137.660 $\pm$ 0.015 χ^2 /NDF: 1335582.0/70

- 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: -1493.005 ± 308.220 χ^2/NDF : 51.1/17

Right Out: -980.517 ± 480.968 χ^2/NDF : 10.2/18

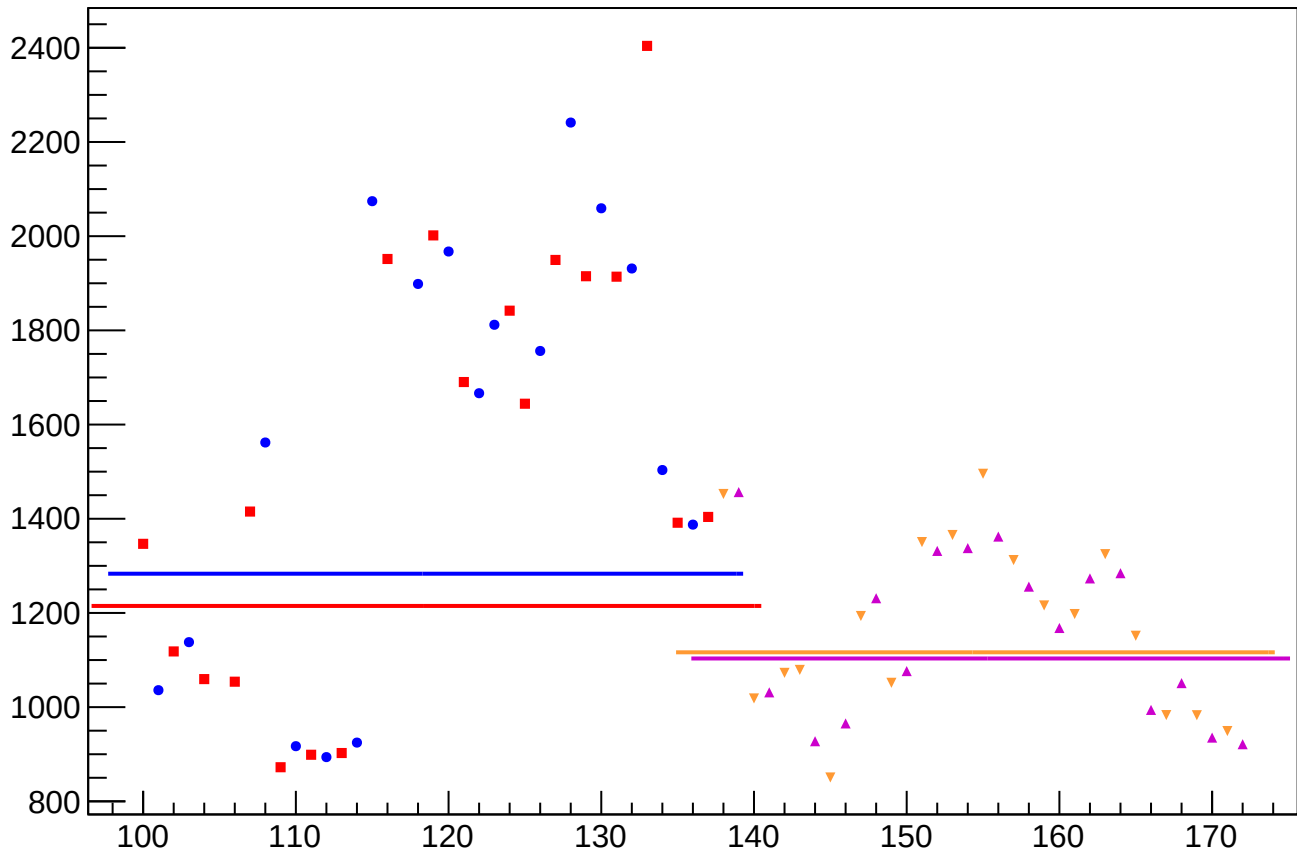
Left In: -174.259 ± 307.140 χ^2/NDF : 19.3/16

+ sign -1152.156 ± 265.626 χ^2/NDF : 81.1/34

All: -770.381 ± 185.388 χ^2/NDF : 116.6/70

- sign -407.806 ± 258.861 χ^2/NDF : 31.5/35

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1116.417+/-0.218 χ^2/NDF : 657956.0/17

Right Out: 1214.883+/-0.340 χ^2/NDF : 1360860.3/18

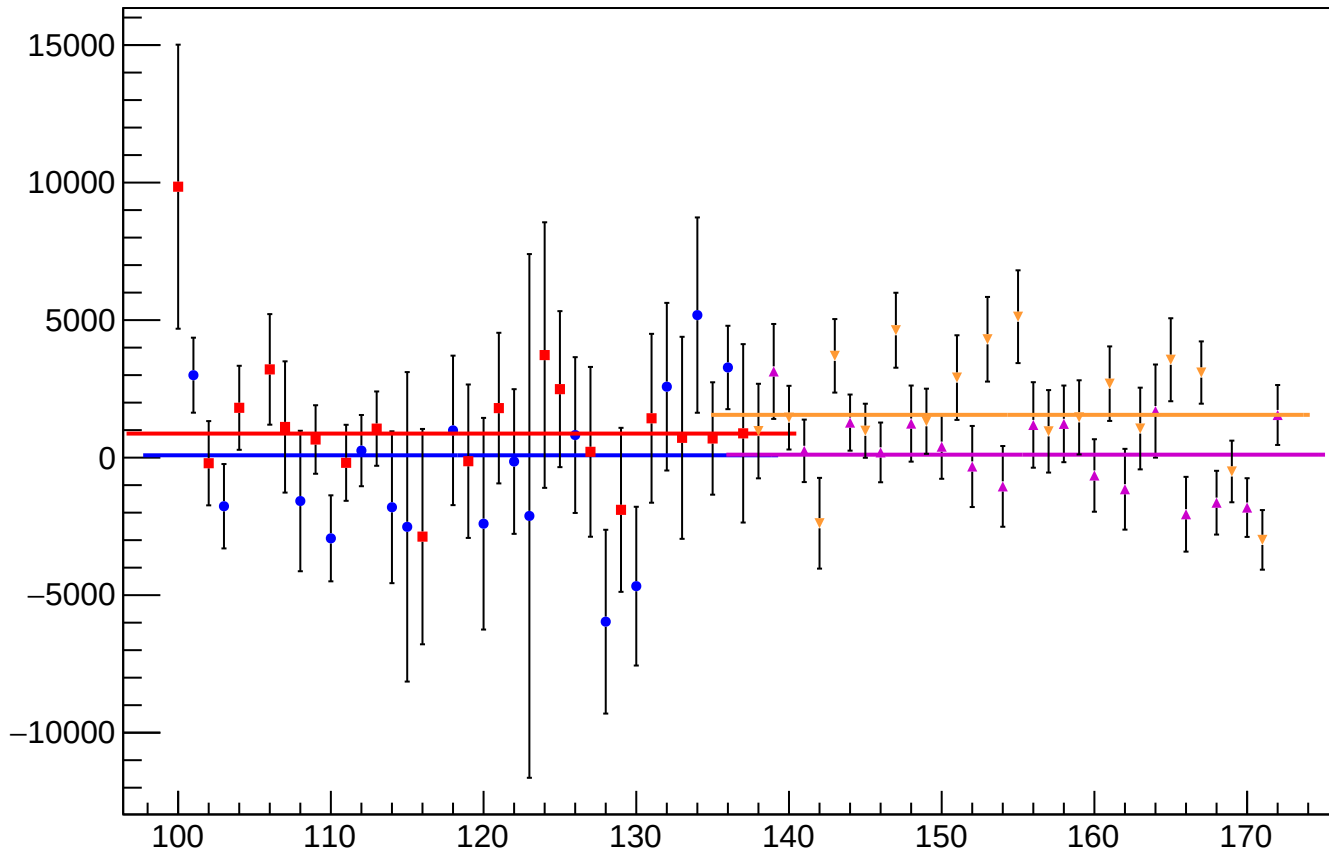
Left In: 1103.307+/-0.217 χ^2/NDF : 565450.5/16

+ sign 1159.359+/-0.188 χ^2/NDF : 1978273.2/34

All: 1147.187+/-0.131 χ^2/NDF : 3989225.1/70

- sign 1135.627+/-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: 1555.687 ± 310.786 χ^2/NDF : 47.9/17

Right Out: 874.592 ± 484.647 χ^2/NDF : 8.7/18

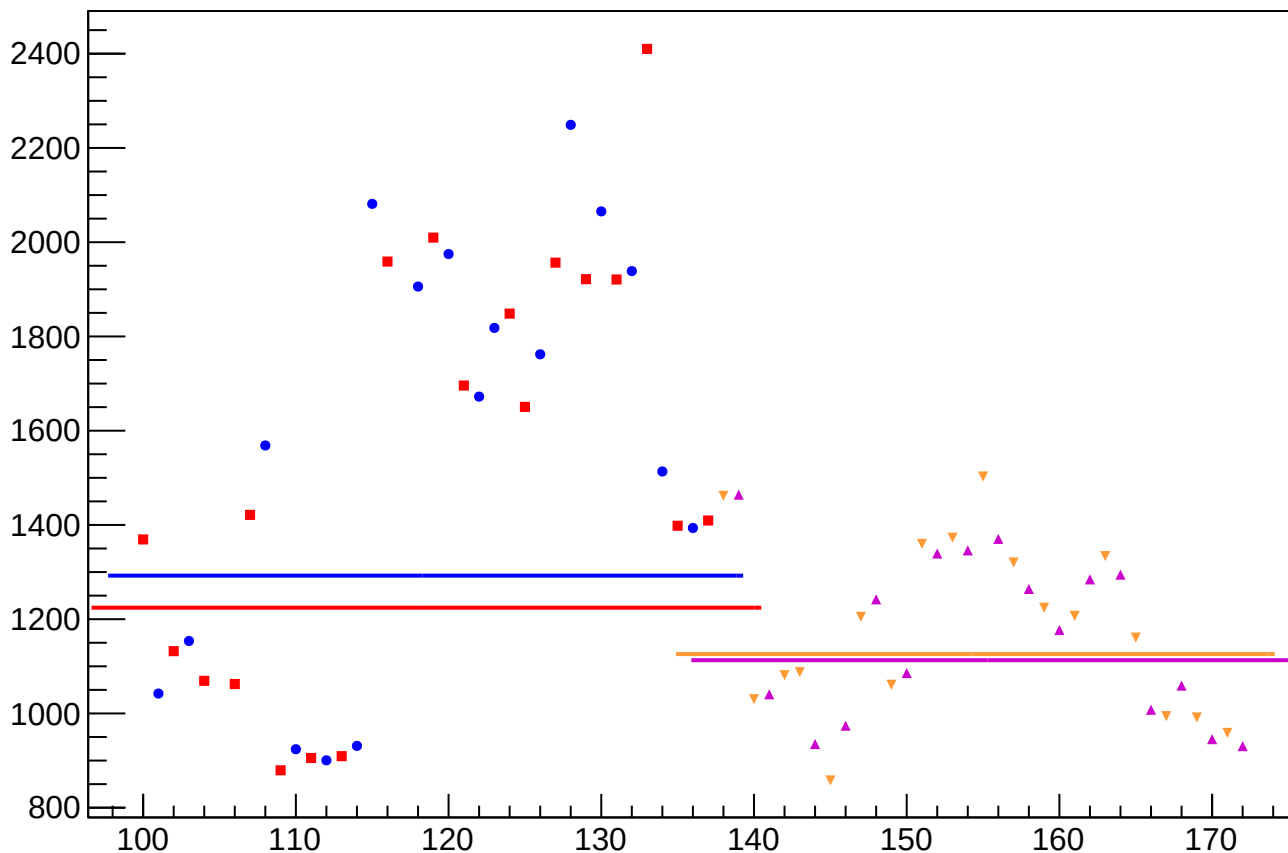
Left In: 107.633 ± 309.754 χ^2/NDF : 18.7/16

+ sign 1176.302 ± 267.713 χ^2/NDF : 78.3/34

All: 742.440 ± 186.883 χ^2/NDF : 112.6/70

- 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: 1125.981+/-0.220 χ^2 /NDF: 647530.0/17

Right Out: 1224.429+/-0.343 χ^2 /NDF: 1345748.2/18

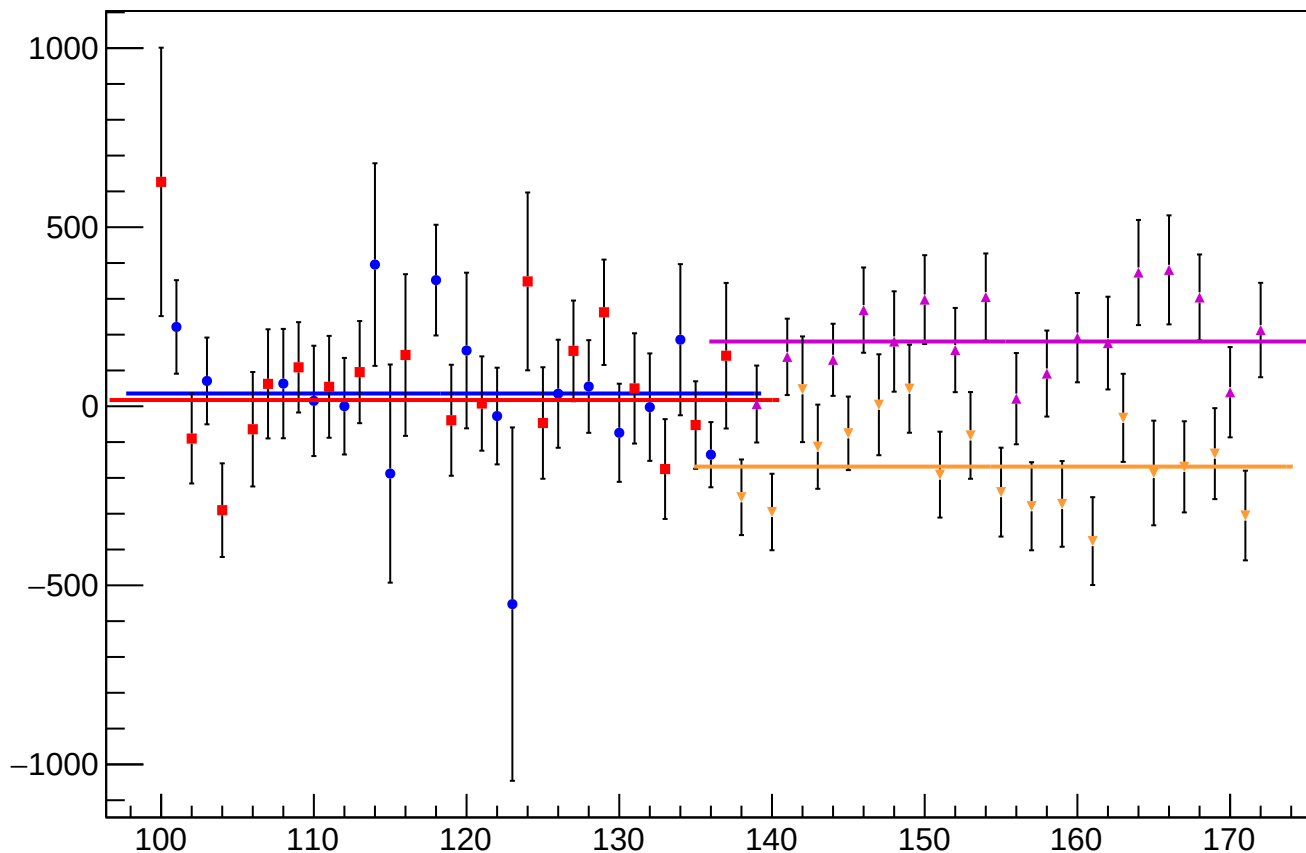
Left In: 1112.944+/-0.219 χ^2 /NDF: 555678.8/16

+ sign 1168.920+/-0.189 χ^2 /NDF: 1952094.5/34

All: 1156.799+/-0.132 χ^2 /NDF: 3936656.7/70

- 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 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -168.452 ± 28.713 $\chi^2/\text{NDF}: 17.7/17$

Right Out: 17.418 ± 34.691 $\chi^2/\text{NDF}: 18.9/18$

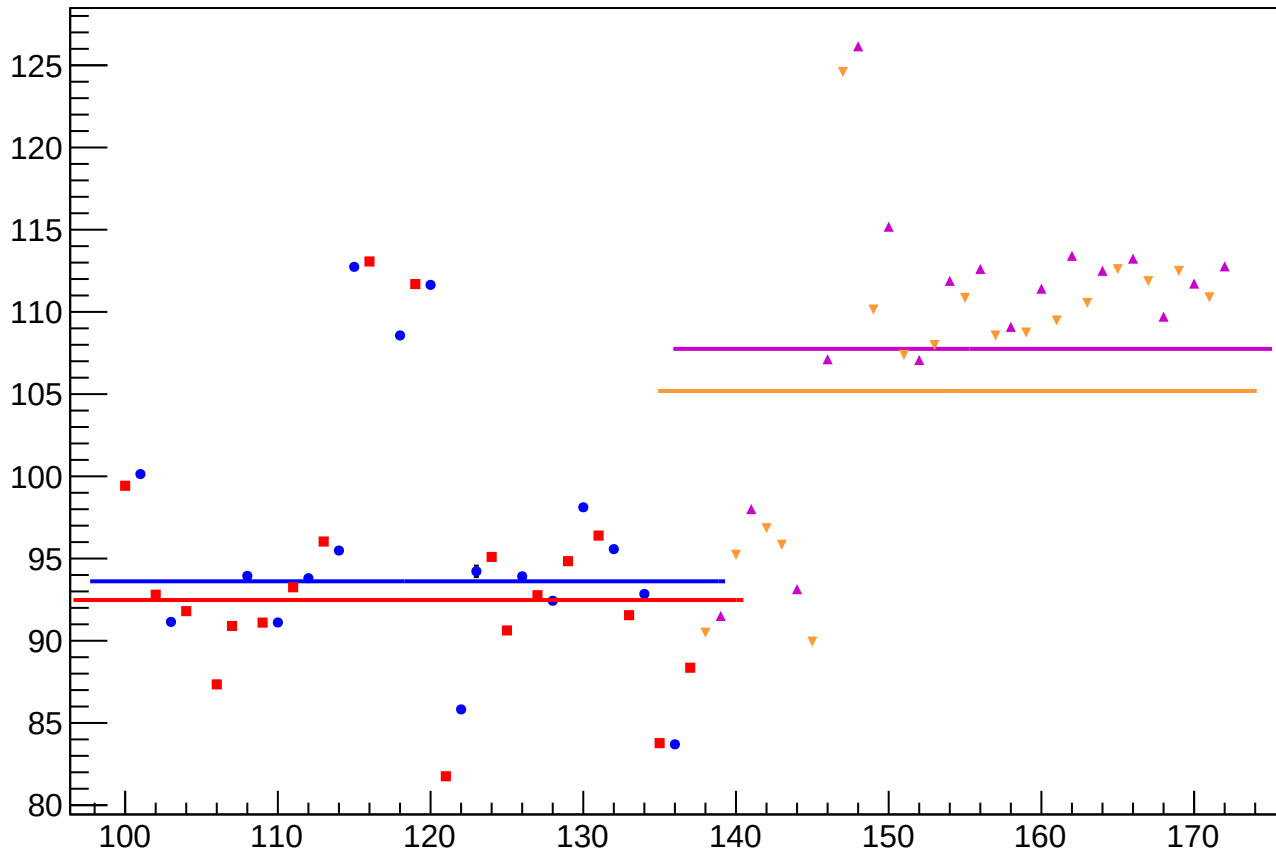
Left In: 180.802 ± 29.697 $\chi^2/\text{NDF}: 13.5/16$

+ sign -90.021 ± 22.532 $\chi^2/\text{NDF}: 52.4/34$

All: 10.719 ± 15.942 $\chi^2/\text{NDF}: 137.7/70$

- sign 111.708 ± 22.560 $\chi^2/\text{NDF}: 45.3/35$

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 105.191+/-0.020 χ^2/NDF : 197346.2/17

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

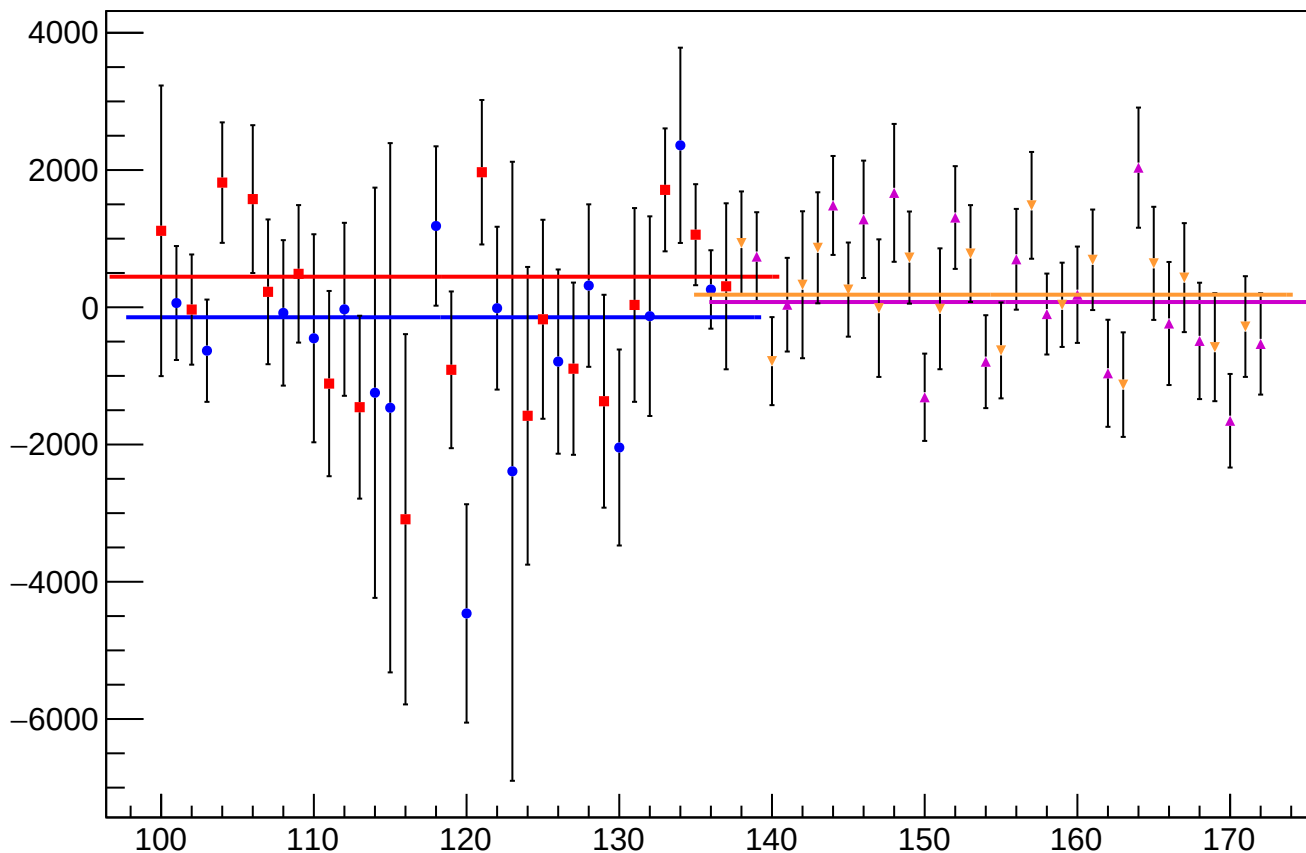
Left In: 107.752+/-0.021 χ^2/NDF : 167446.9/16

+ sign 100.744+/-0.016 χ^2/NDF : 402161.9/34

All: 101.018+/-0.011 χ^2/NDF : 872553.9/70

- sign 101.292+/-0.016 χ^2/NDF : 469800.7/35

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 $\pm$ 276.629 χ^2/NDF : 15.5/16

Left Out: 183.540 $\pm$ 177.614 χ^2/NDF : 14.9/17

Right Out: 445.575 $\pm$ 260.276 χ^2/NDF : 19.0/18

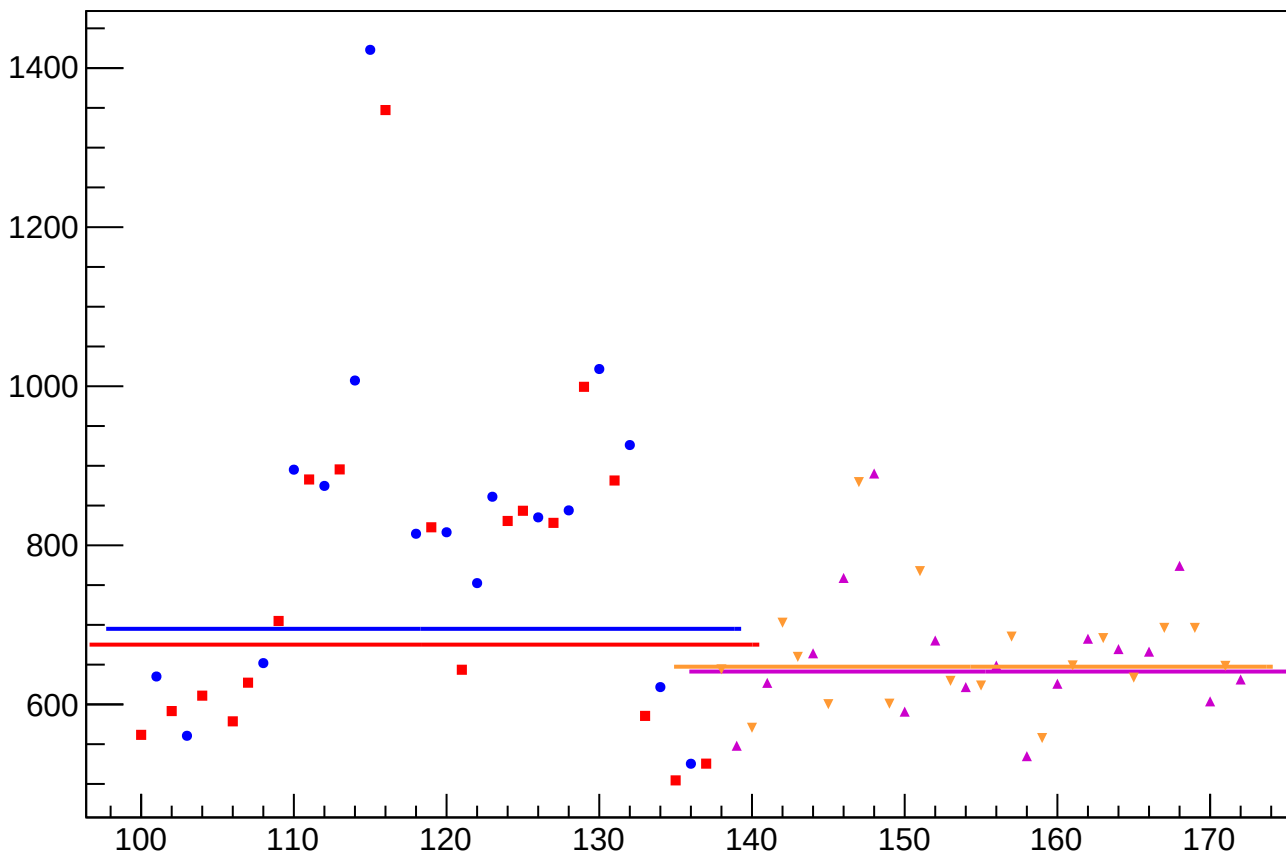
Left In: 76.540 $\pm$ 177.954 χ^2/NDF : 33.8/16

+ sign 87.501 $\pm$ 149.459 χ^2/NDF : 31.4/34

All: 141.719 $\pm$ 104.767 χ^2/NDF : 85.7/70

- sign 194.097 $\pm$ 146.901 χ^2/NDF : 54.1/35

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 647.404 $\pm$ 0.126 χ^2 /NDF: 269137.6/17

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

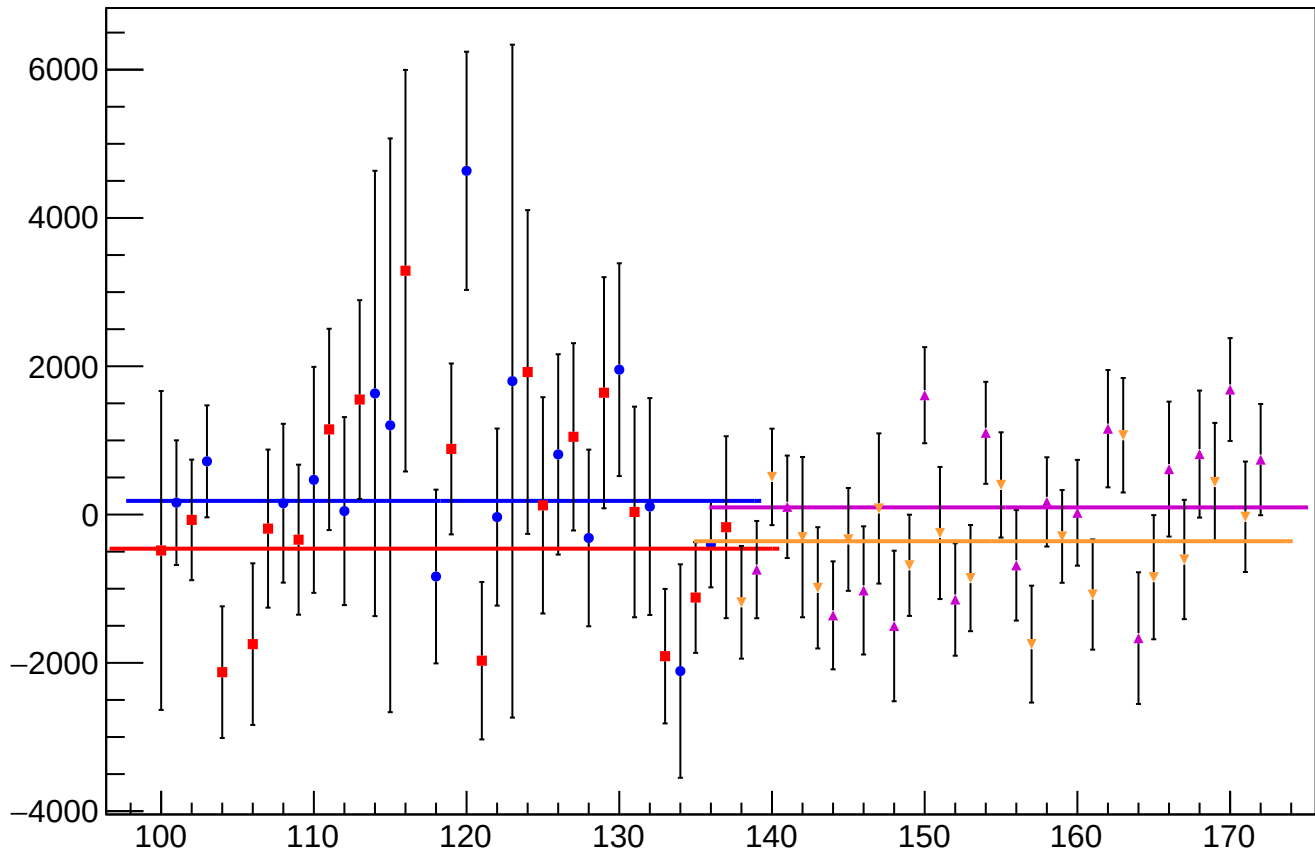
Left In: 641.304 $\pm$ 0.126 χ^2 /NDF: 355848.4/16

+ sign 661.302 $\pm$ 0.106 χ^2 /NDF: 988799.1/34

All: 656.614 $\pm$ 0.074 χ^2 /NDF: 2047957.4/70

- sign 652.086 $\pm$ 0.104 χ^2 /NDF: 1055290.5/35

asym_sam_15_dd_mean vs Slug



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -359.511 $\pm$ 180.066 χ^2 /NDF:14.7/17

Right Out: -460.174 $\pm$ 262.960 χ^2 /NDF: 22.3/18

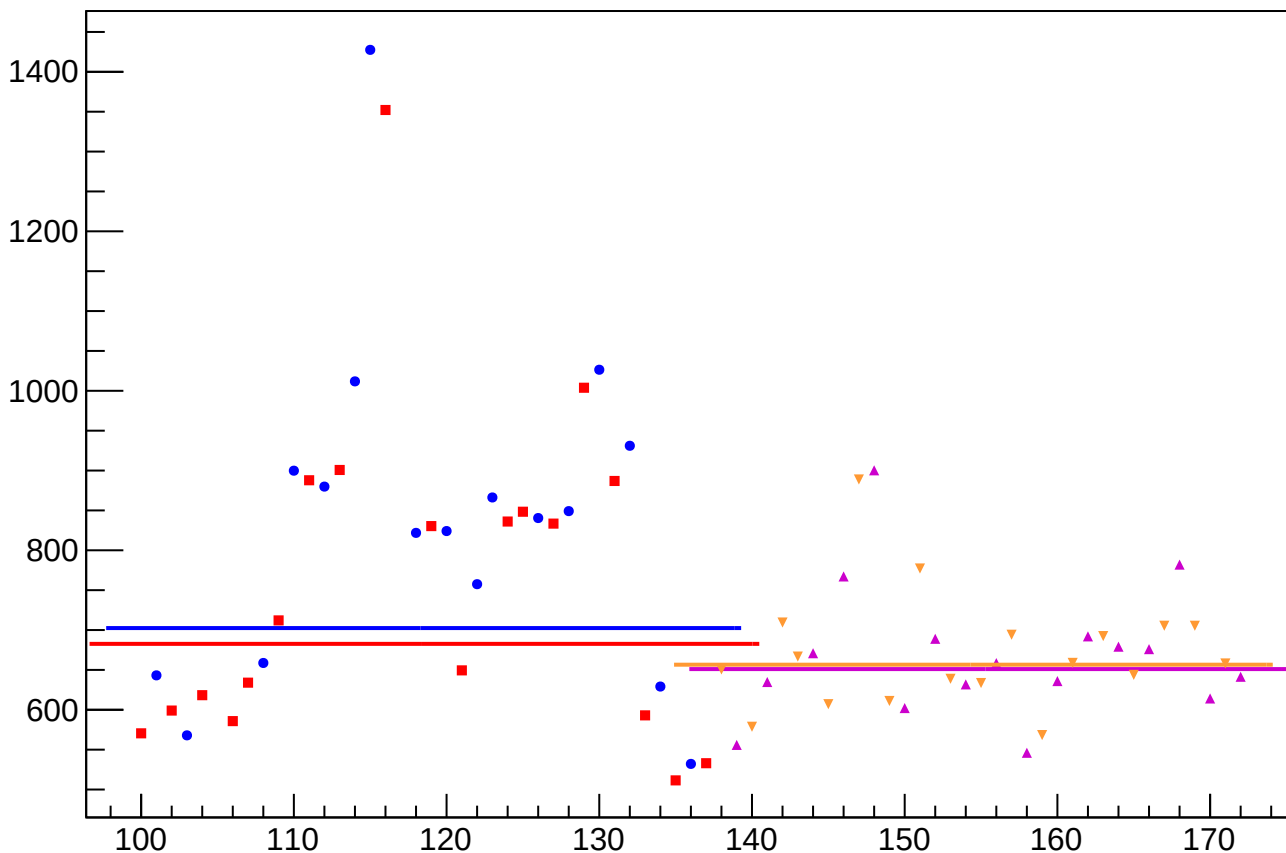
Left In: 96.945 $\pm$ 180.585 χ^2 /NDF:33.9/16

+ sign -199.852 $\pm$ 151.355 χ^2 /NDF: 32.3/34

All: -139.743 $\pm$ 106.132 χ^2 /NDF: 91.9/70

- sign -81.596 $\pm$ 148.862 χ^2 /NDF: 59.3/35

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 656.547+/-0.127 χ^2/NDF : 262110.4/17

Right Out: 682.662+/-0.186 χ^2/NDF : 659521.7/18

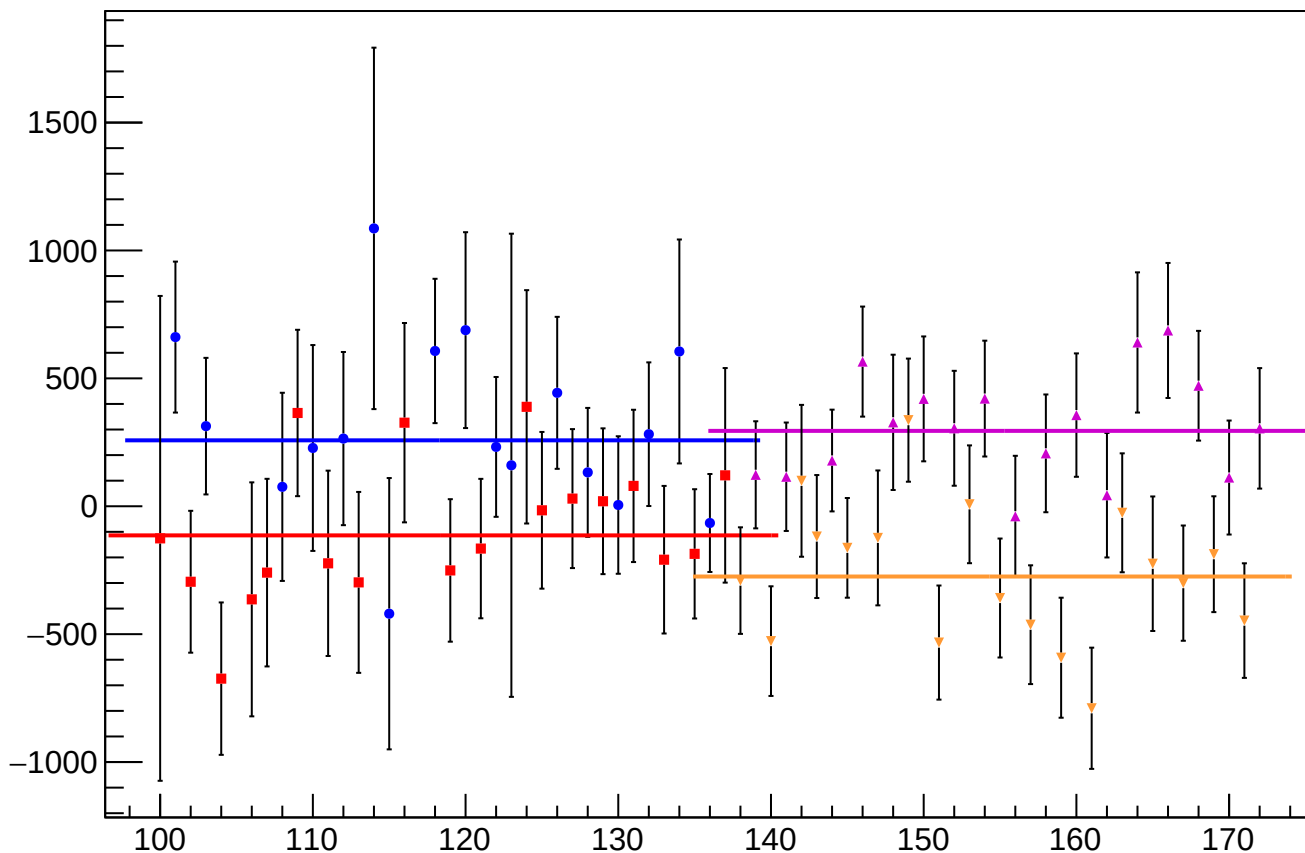
Left In: 651.036+/-0.128 χ^2/NDF : 342761.4/16

+ sign 670.024+/-0.107 χ^2/NDF : 960811.3/34

All: 665.524+/-0.075 χ^2/NDF : 1986230.4/70

- sign 661.171+/-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: -274.683 ± 54.593 $\chi^2/\text{NDF}: 22.6/17$

Right Out: -113.851 ± 74.211 $\chi^2/\text{NDF}: 11.2/18$

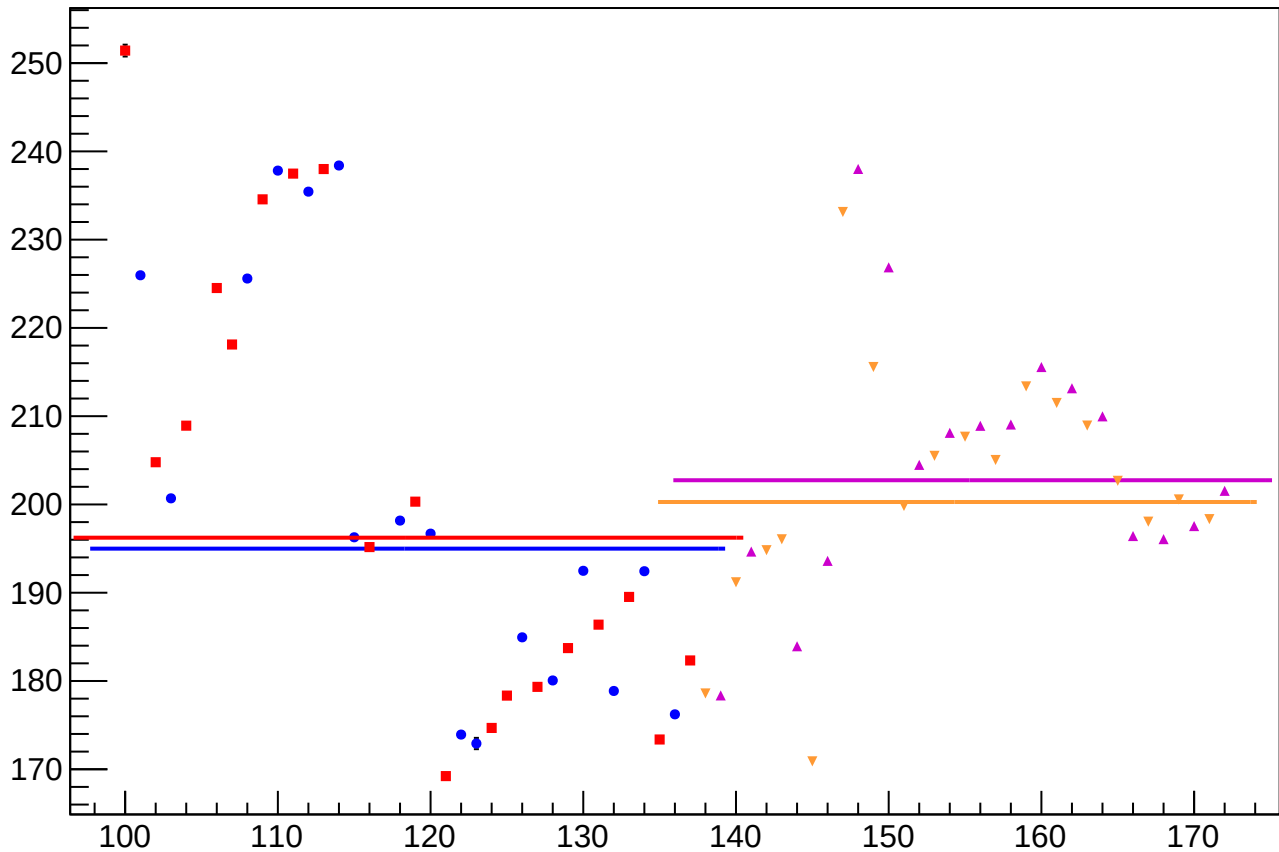
Left In: 294.718 ± 55.833 $\chi^2/\text{NDF}: 12.3/16$

+ sign -93.252 ± 44.326 $\chi^2/\text{NDF}: 68.0/34$

All: 26.110 ± 31.445 $\chi^2/\text{NDF}: 125.6/70$

- sign 147.042 ± 44.616 $\chi^2/\text{NDF}: 42.9/35$

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 ± 0.054 χ^2/NDF : 144271.1/16

Left Out: 200.279 ± 0.039 χ^2/NDF : 129079.1/17

Right Out: 196.235 ± 0.052 χ^2/NDF : 173491.6/18

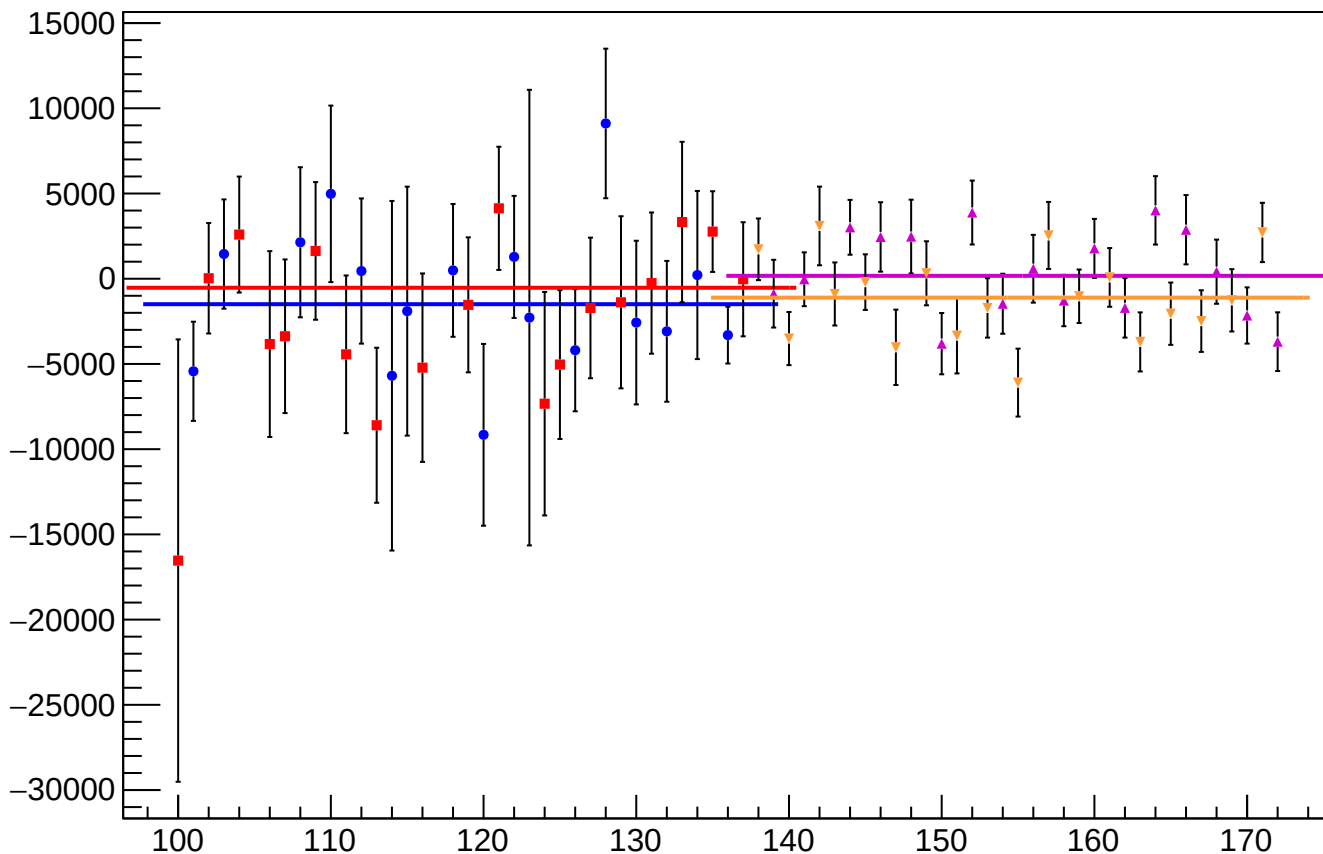
Left In: 202.743 ± 0.039 χ^2/NDF : 125670.0/16

+ sign 198.478 ± 0.031 χ^2/NDF : 279736.6/34

All: 199.428 ± 0.022 χ^2/NDF : 590569.6/70

- sign 200.391 ± 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: -1109.207 ± 429.747 χ^2/NDF : 30.0/17

Right Out: -528.758 ± 934.718 χ^2/NDF : 14.6/18

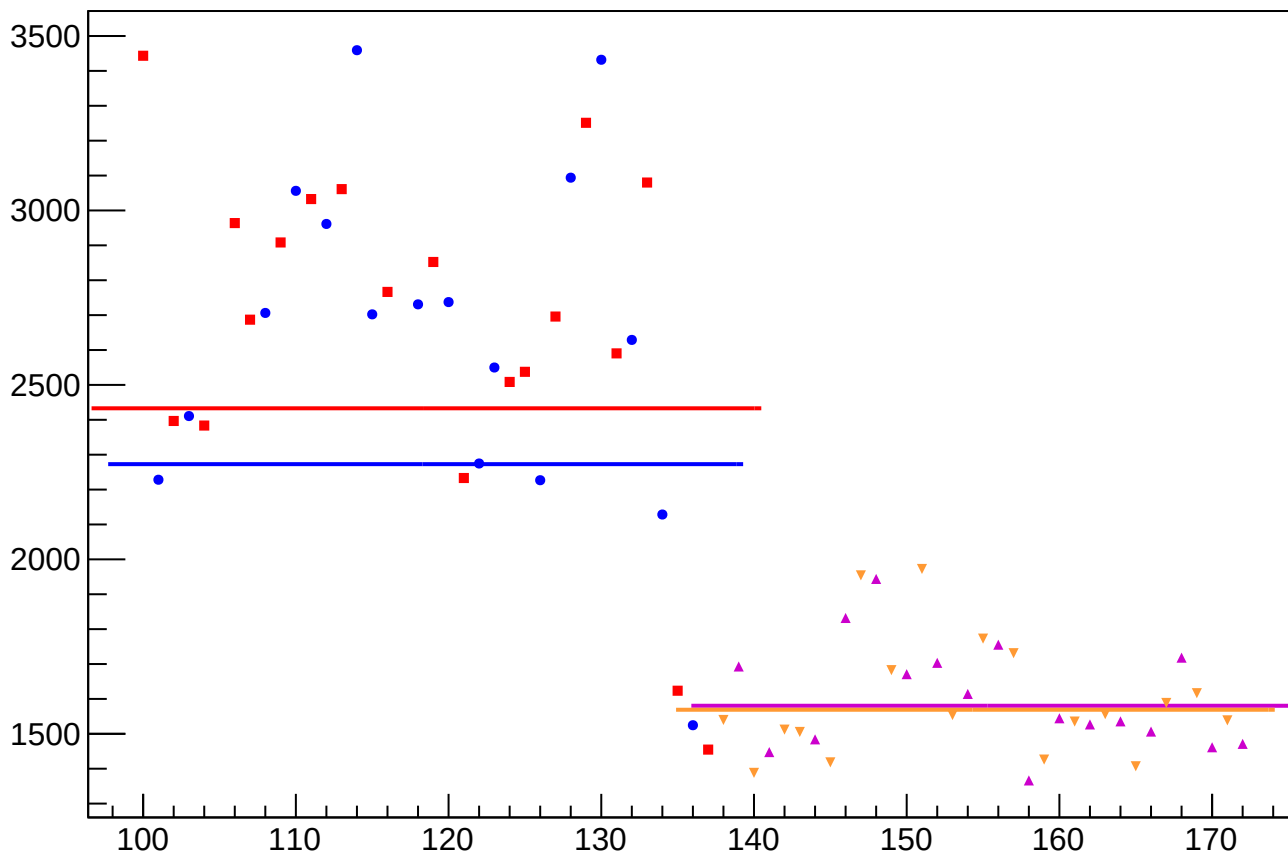
Left In: 170.631 ± 436.652 χ^2/NDF : 31.0/16

+ sign -1179.139 ± 388.659 χ^2/NDF : 46.3/34

All: -577.753 ± 277.249 χ^2/NDF : 97.3/70

- sign 45.346 ± 395.613 χ^2/NDF : 46.1/35

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1568.960+/-0.304 χ^2/NDF : 252381.9/17

Right Out: 2432.950+/-0.661 χ^2/NDF : 680783.9/18

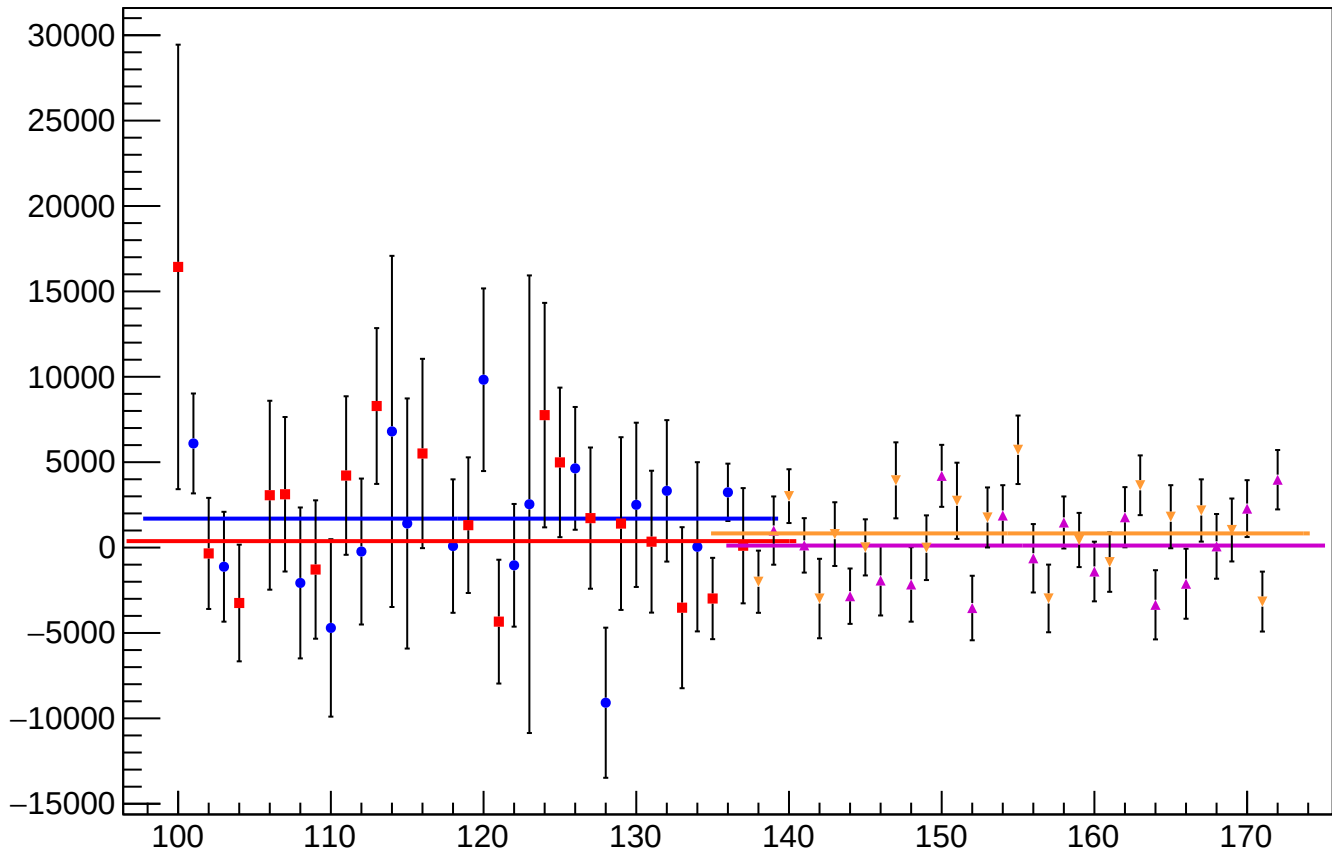
Left In: 1580.412+/-0.309 χ^2/NDF : 220580.5/16

+ sign 1697.130+/-0.275 χ^2/NDF : 2035075.1/34

All: 1714.811+/-0.196 χ^2/NDF : 4310608.8/70

- sign 1733.131+/-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: 829.747+/-433.374 χ^2/NDF : 29.7/17

Right Out: 377.629+/-938.528 χ^2/NDF : 15.0/18

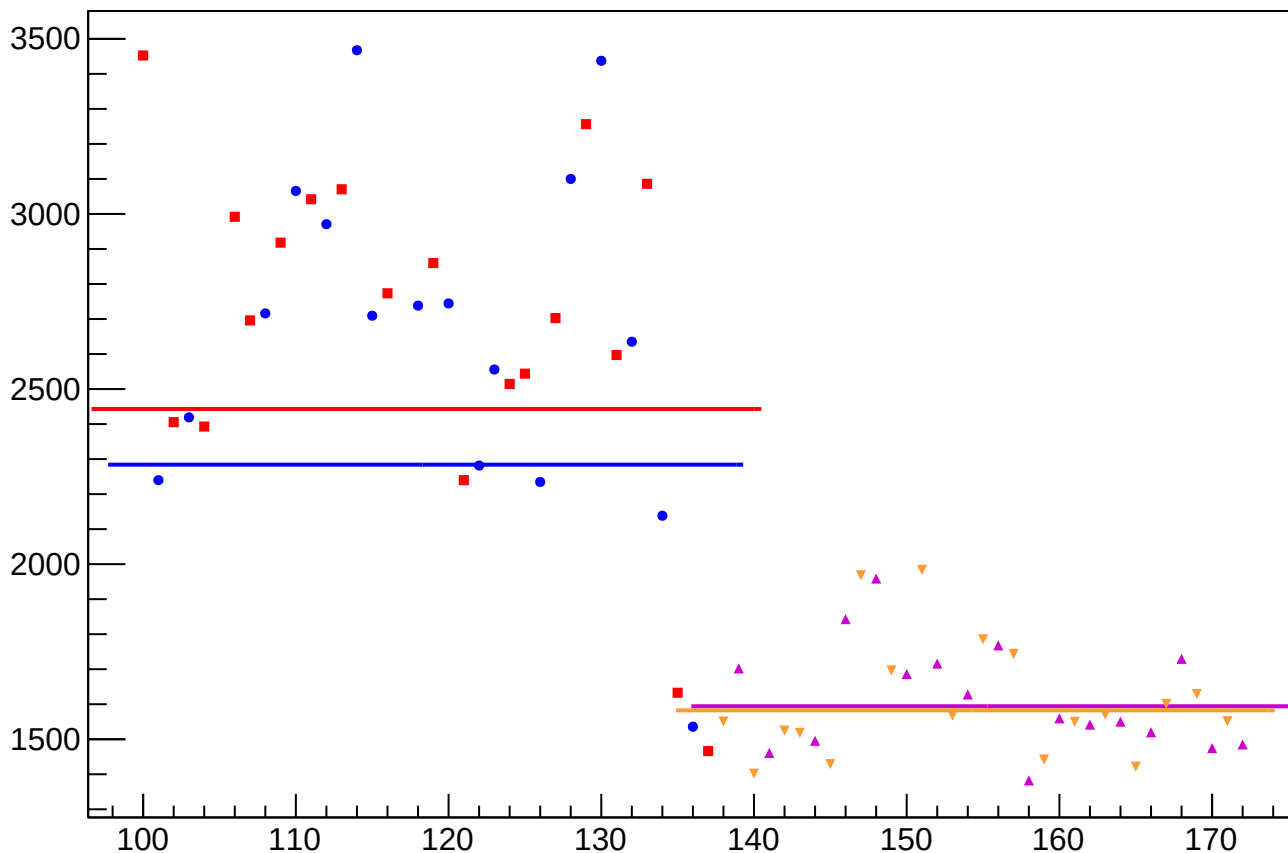
Left In: 118.630+/-440.399 χ^2/NDF : 28.7/16

+ sign 988.500+/-391.653 χ^2/NDF : 47.0/34

All: 584.259+/-279.394 χ^2/NDF : 92.9/70

- sign 165.367+/-398.687 χ^2/NDF : 43.7/35

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1582.463+/-0.306 χ^2/NDF : 247601.8/17

Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

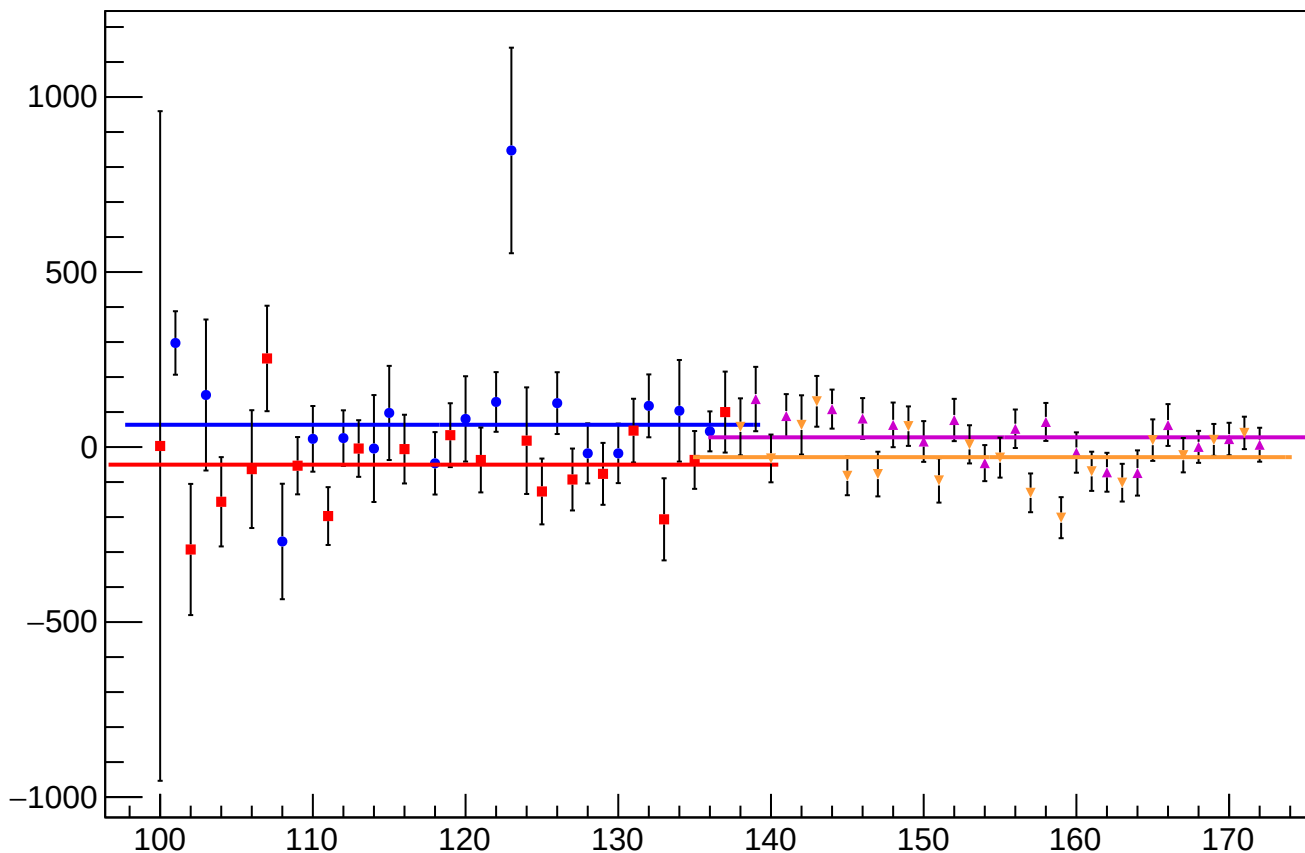
Left In: 1594.231+/-0.311 χ^2/NDF : 215065.0/16

+ sign 1711.054+/-0.277 χ^2/NDF : 2002393.2/34

All: 1728.913+/-0.198 χ^2/NDF : 4239777.6/70

- sign 1747.419+/-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: -28.850 ± 13.608 χ^2/NDF : 31.2/17

Right Out: -50.278 ± 23.661 χ^2/NDF : 16.8/18

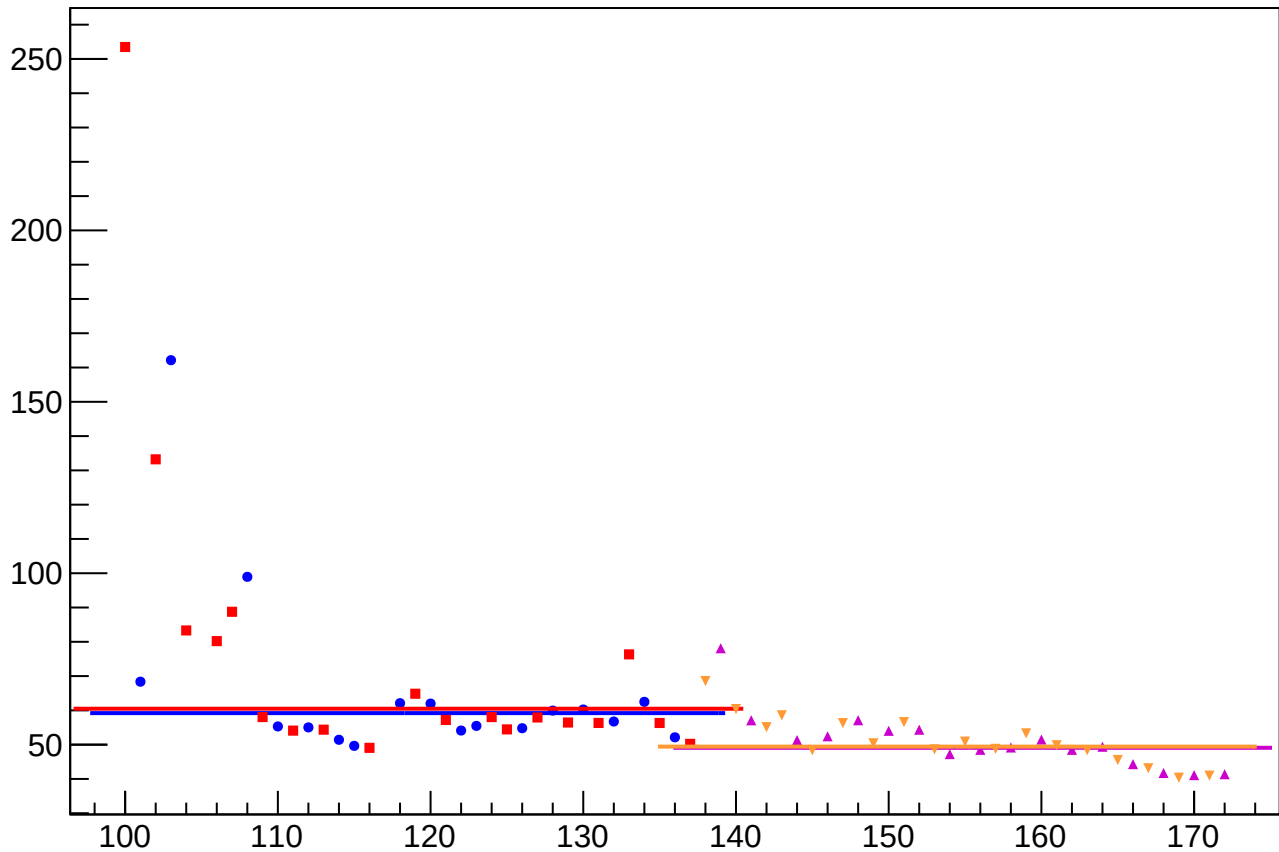
Left In: 27.825 ± 13.651 χ^2/NDF : 16.4/16

+ sign -5.974 ± 11.806 χ^2/NDF : 66.3/34

All: 1.162 ± 8.355 χ^2/NDF : 108.4/70

- 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 $\chi^2/\text{NDF}: 665472.4/16$

Left Out: 49.432 ± 0.010 $\chi^2/\text{NDF}: 451373.9/17$

Right Out: 60.483 ± 0.017 $\chi^2/\text{NDF}: 680059.5/18$

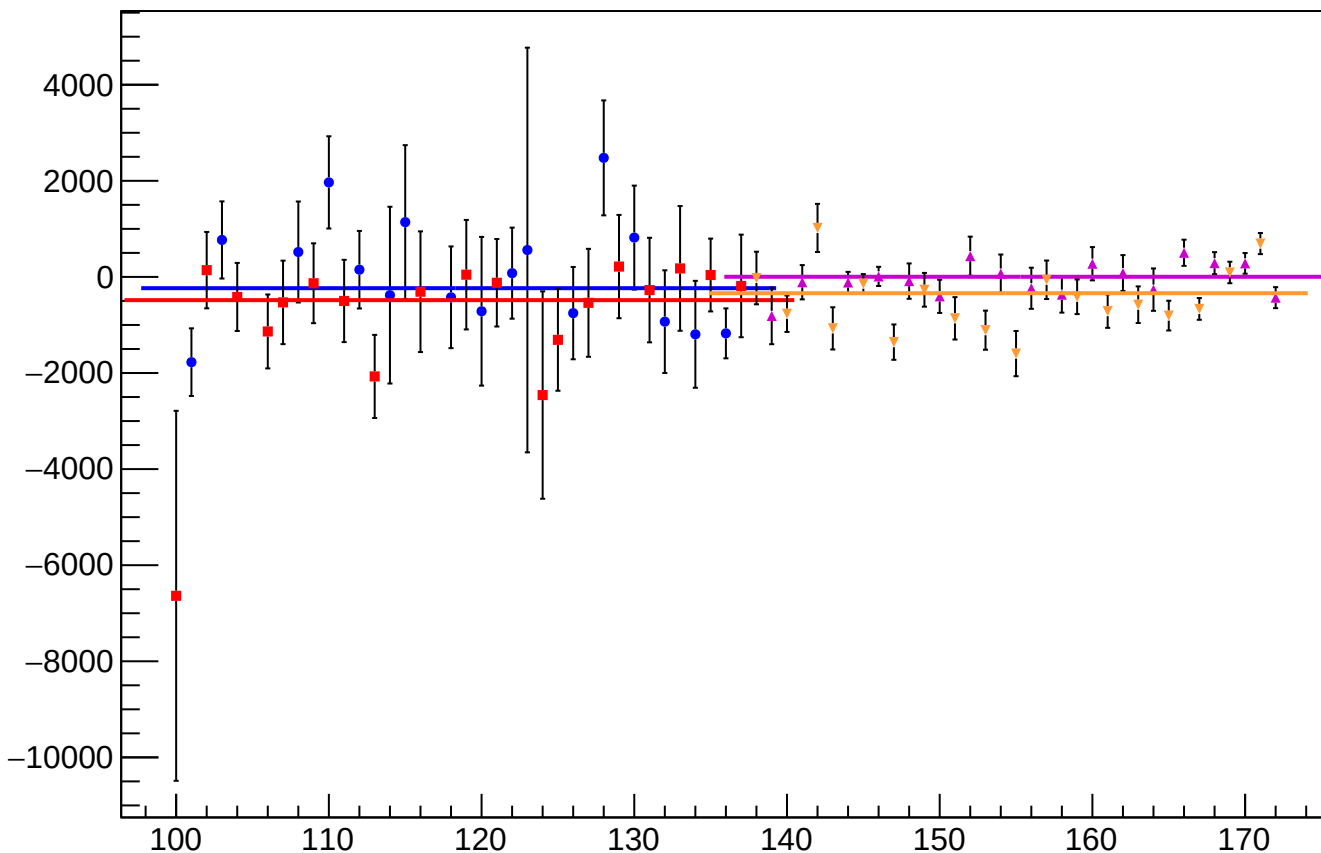
Left In: 49.086 ± 0.010 $\chi^2/\text{NDF}: 484223.5/16$

+ sign 51.847 ± 0.008 $\chi^2/\text{NDF}: 1371697.7/34$

All: 51.890 ± 0.006 $\chi^2/\text{NDF}: 2884193.2/70$

- sign 51.932 ± 0.008 $\chi^2/\text{NDF}: 1512443.8/35$

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -339.006 ± 75.405 χ^2/NDF : 64.8/17

Right Out: -483.305 ± 222.314 χ^2/NDF : 10.6/18

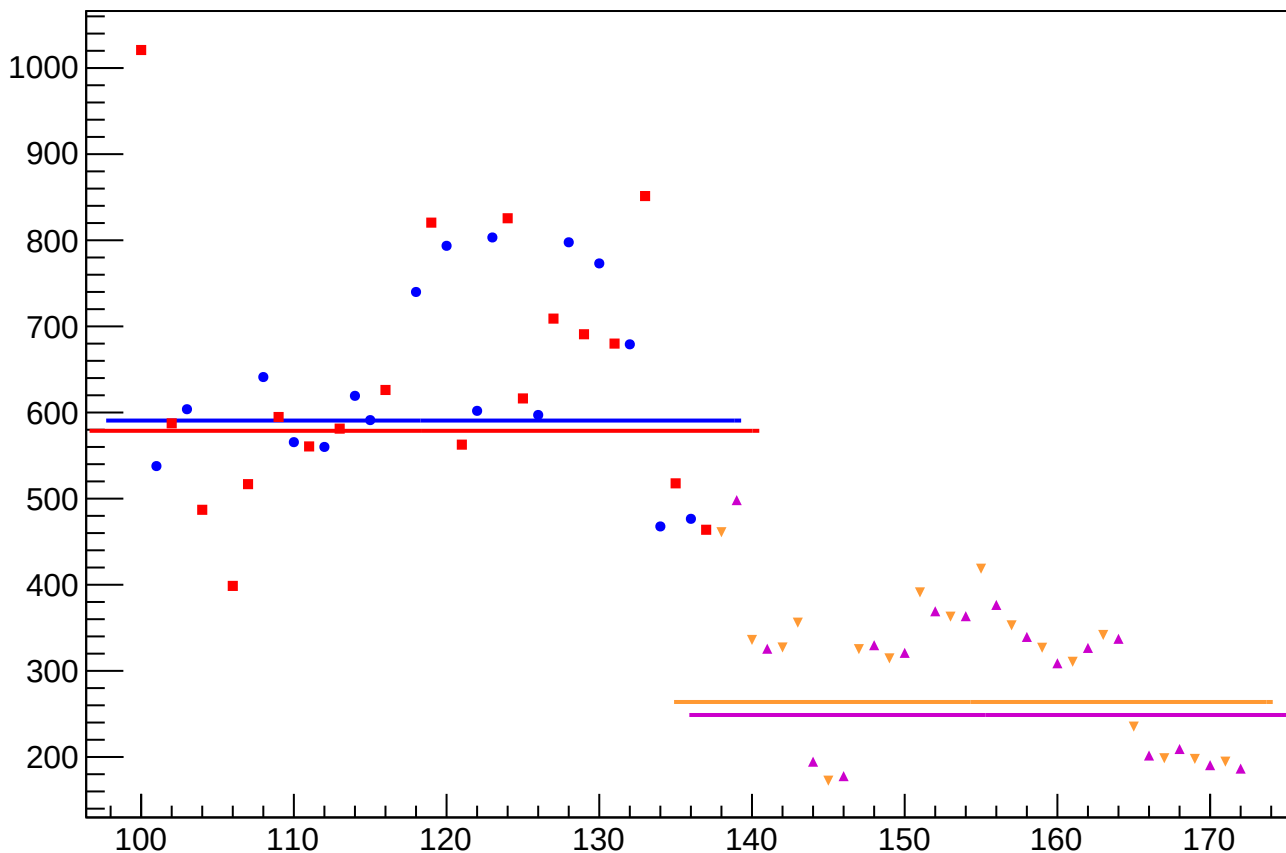
Left In: 3.138 ± 72.014 χ^2/NDF : 17.7/16

+ sign -329.165 ± 71.768 χ^2/NDF : 89.1/34

All: -179.469 ± 49.555 χ^2/NDF : 130.1/70

- 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: 263.881 $\pm$ 0.053 χ^2 /NDF: 2312180.6/17

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

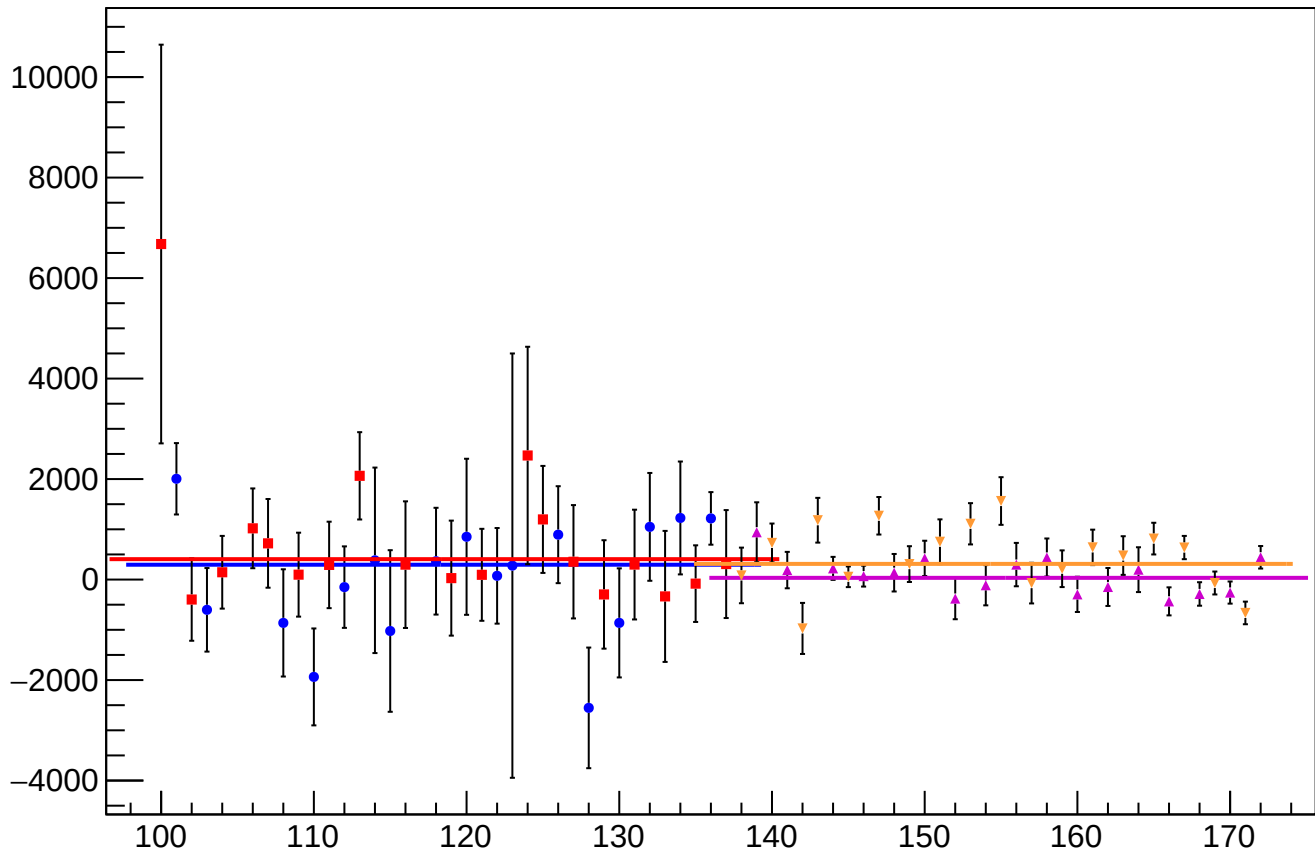
Left In: 248.773 $\pm$ 0.051 χ^2 /NDF: 2304108.2/16

+ sign 294.651 $\pm$ 0.051 χ^2 /NDF: 6200979.6/34

All: 287.043 $\pm$ 0.035 χ^2 /NDF: 13029845.8/70

- 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: 311.864 $\pm$ 76.903 χ^2 /NDF:59.5/17

Right Out: 406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

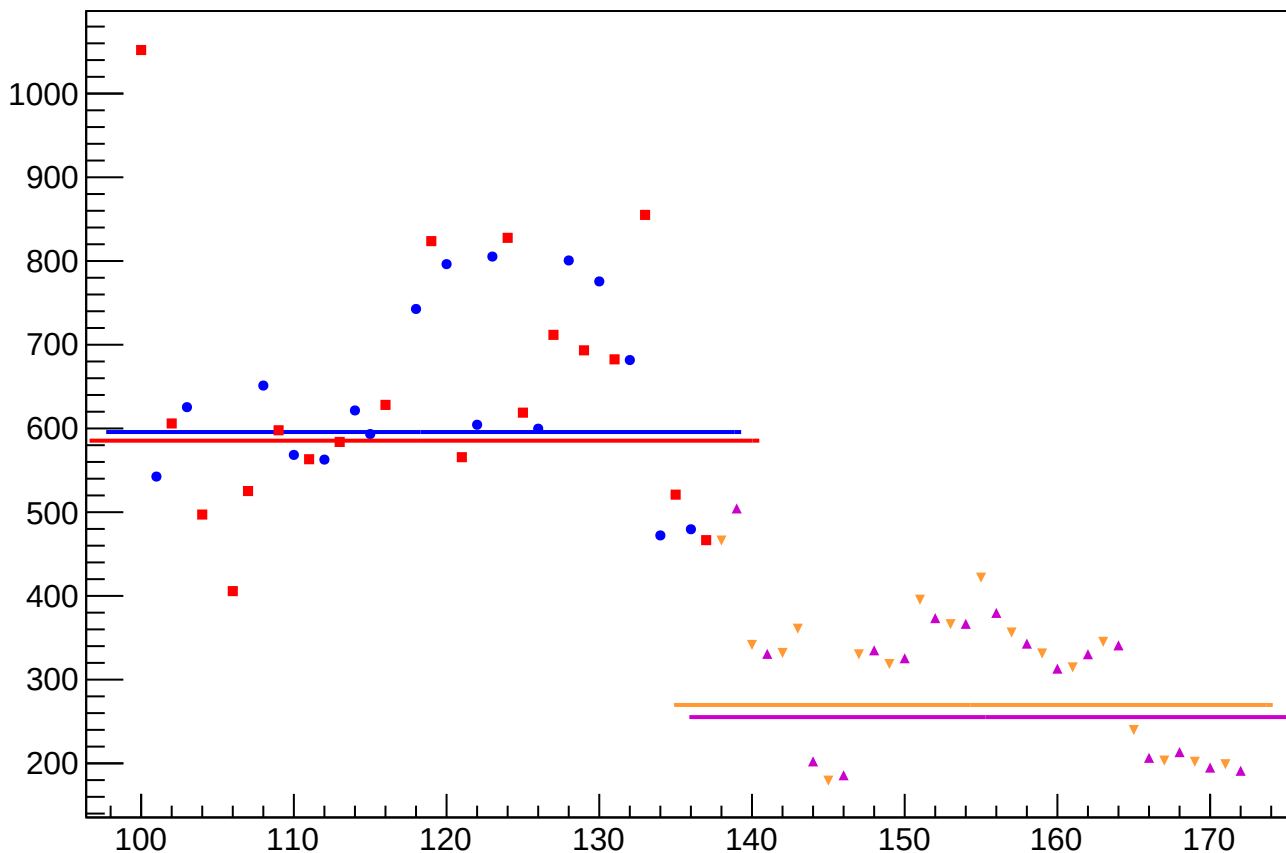
Left In: 34.222 $\pm$ 73.668 χ^2 /NDF:18.2/16

+ sign 310.282 $\pm$ 73.115 χ^2 /NDF: 85.6/34

All: 185.070 $\pm$ 50.565 χ^2 /NDF: 122.9/70

- 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: 269.752 $\pm$ 0.054 χ^2 /NDF:2201575.5/17

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

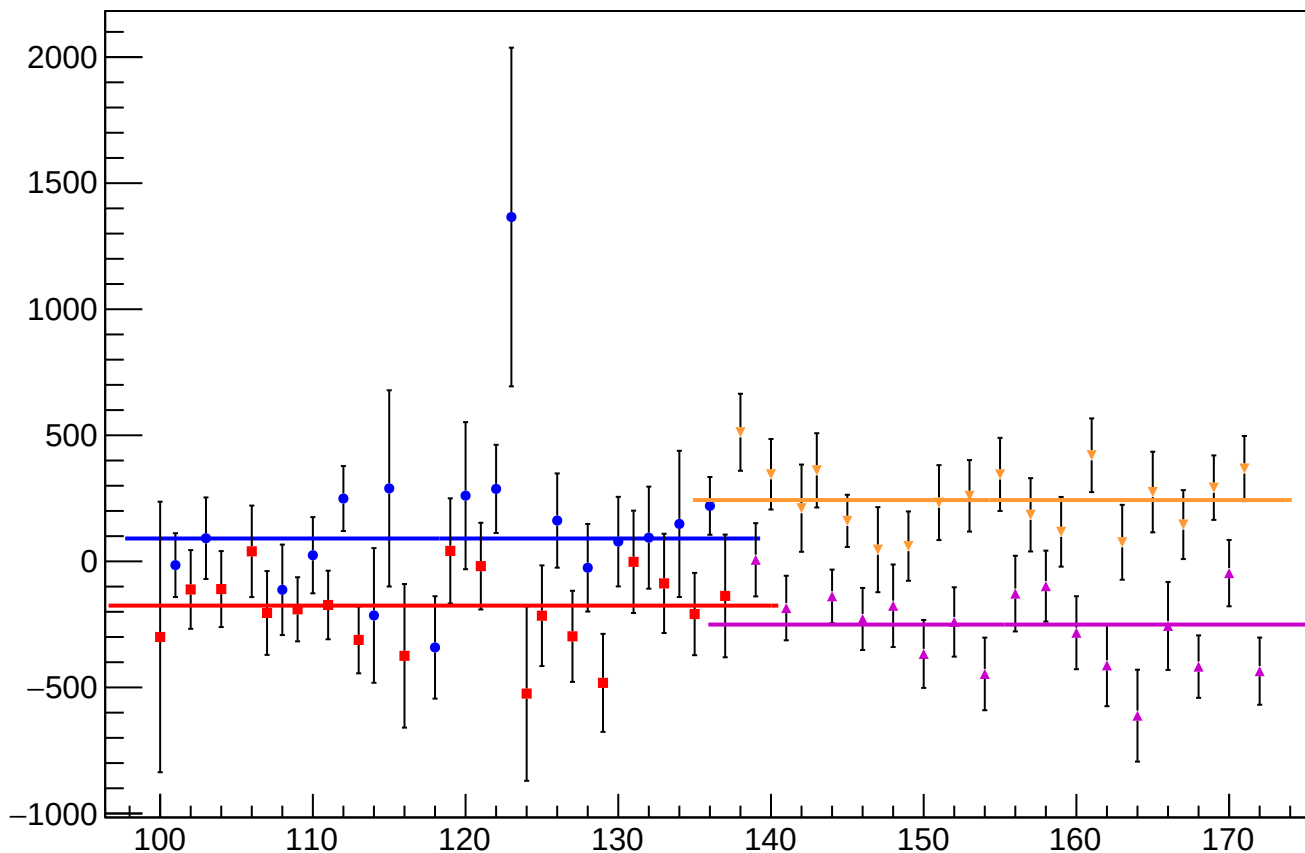
Left In: 255.245 $\pm$ 0.052 χ^2 /NDF:2177670.0/16

+ sign 301.077 $\pm$ 0.052 χ^2 /NDF: 6004888.0/34

All: 293.864 $\pm$ 0.036 χ^2 /NDF: 12588718.6/70

- 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: 243.146 ± 33.278 χ^2/NDF : 14.0/17

Right Out: -175.485 ± 41.101 χ^2/NDF : 10.3/18

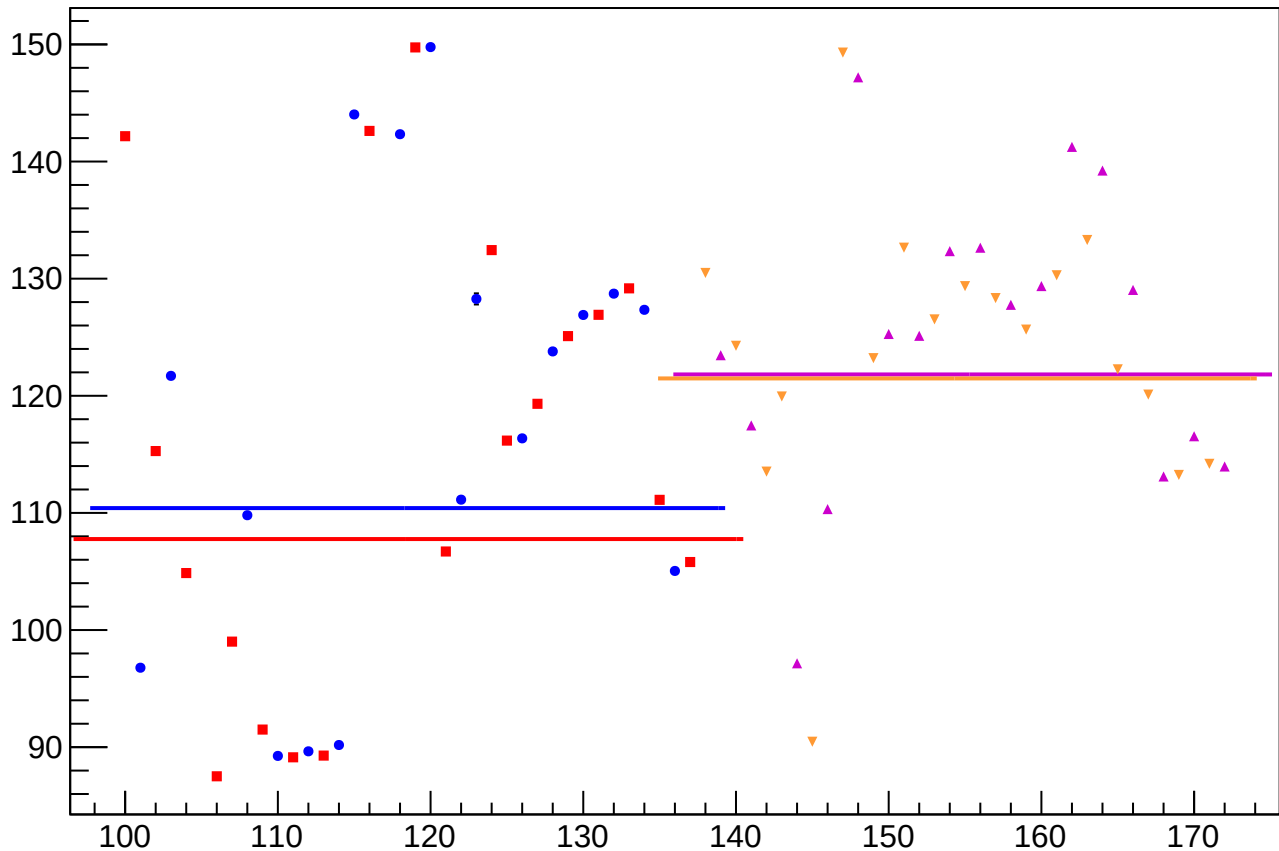
Left In: -250.632 ± 33.707 χ^2/NDF : 20.3/16

+ sign 186.562 ± 26.388 χ^2/NDF : 38.6/34

All: -19.451 ± 18.543 χ^2/NDF : 191.7/70

- sign -220.414 ± 26.063 χ^2/NDF : 32.6/35

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 ± 0.031 $\chi^2/\text{NDF}: 296425.4/16$

Left Out: 121.482 ± 0.024 $\chi^2/\text{NDF}: 307524.9/17$

Right Out: 107.768 ± 0.029 $\chi^2/\text{NDF}: 344441.4/18$

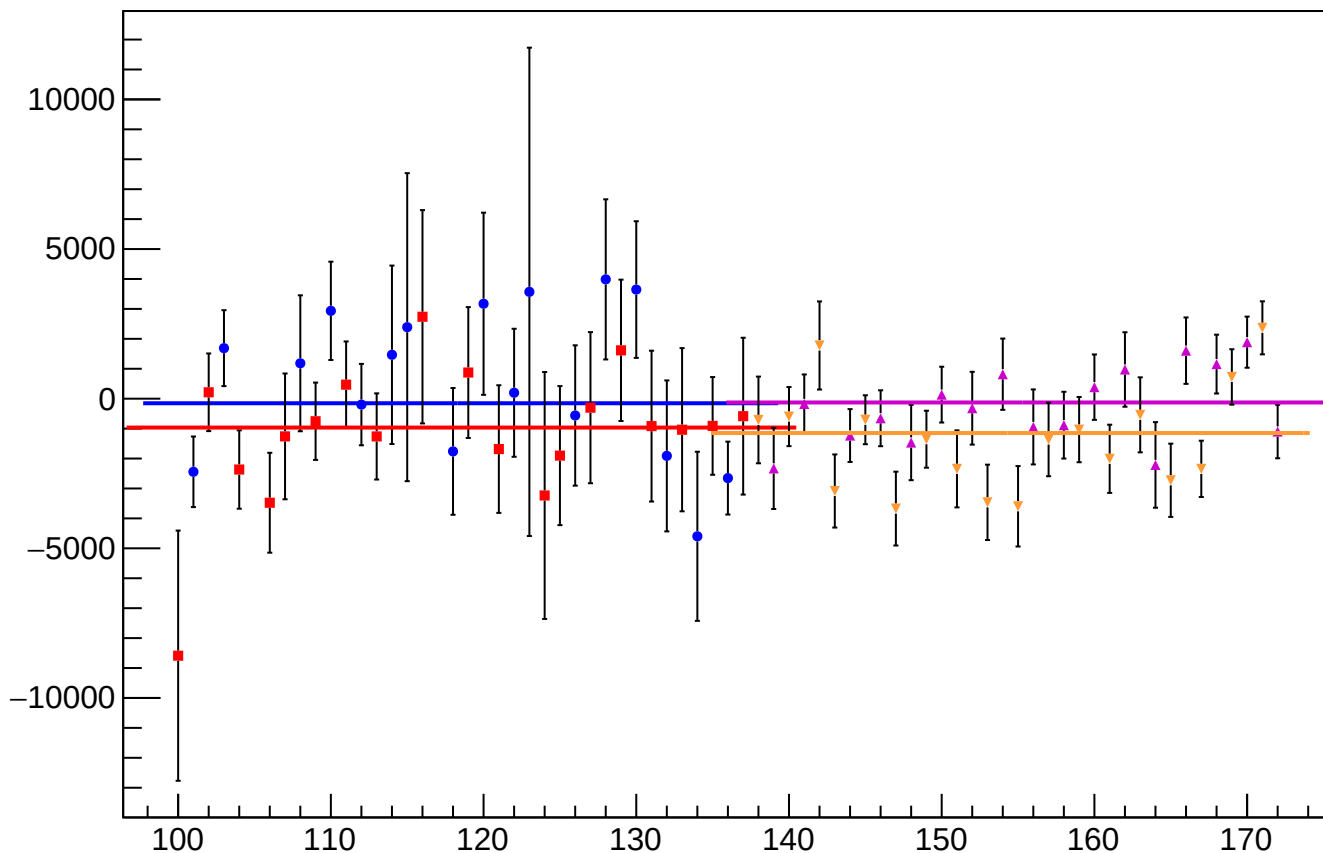
Left In: 121.822 ± 0.024 $\chi^2/\text{NDF}: 279671.5/16$

+ sign 117.372 ± 0.019 $\chi^2/\text{NDF}: 686109.1/34$

All: 116.764 ± 0.013 $\chi^2/\text{NDF}: 1452137.7/70$

- sign 116.171 ± 0.018 $\chi^2/\text{NDF}: 763928.4/35$

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1147.757 ± 259.681 χ^2/NDF : 43.0/17

Right Out: -964.716 ± 435.111 χ^2/NDF : 12.3/18

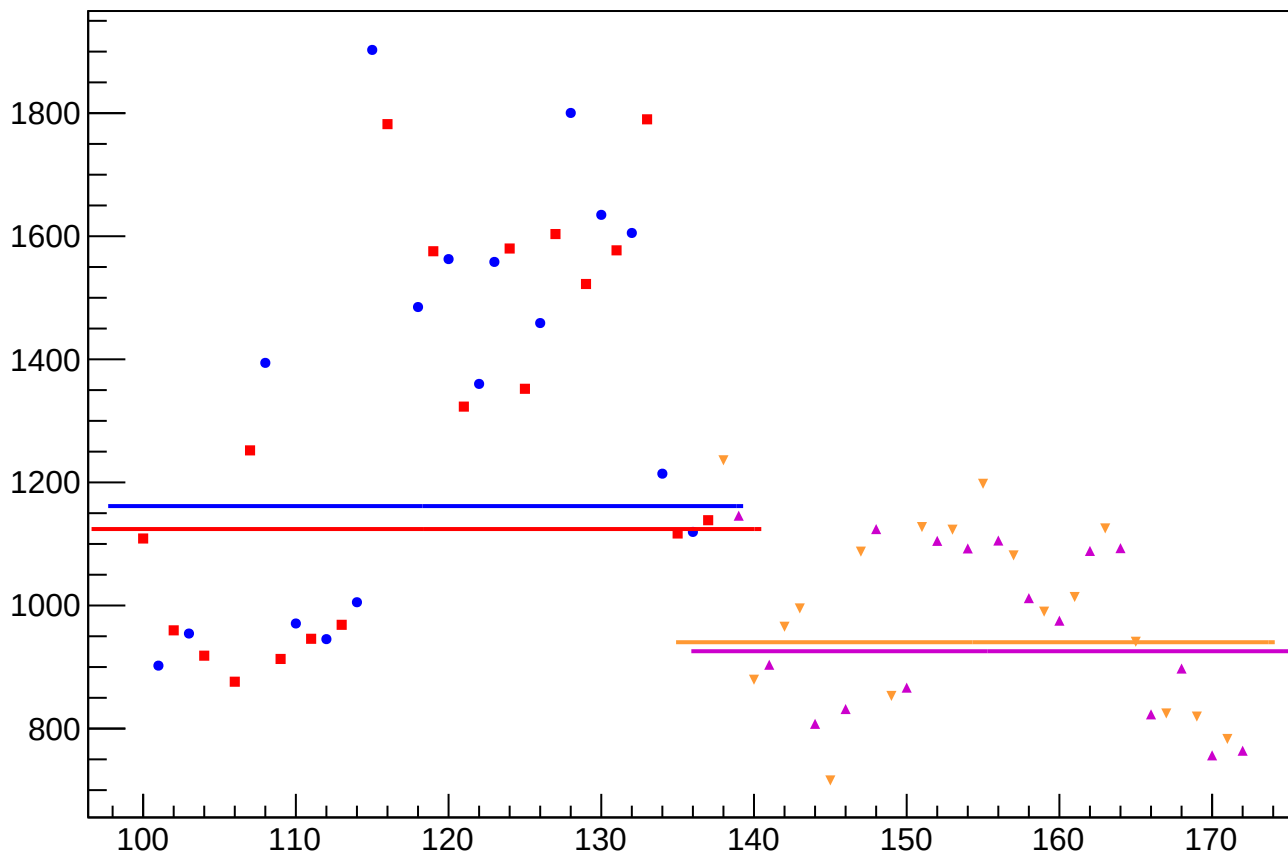
Left In: -126.664 ± 257.751 χ^2/NDF : 21.3/16

+ sign -910.940 ± 226.694 χ^2/NDF : 71.1/34

All: -621.418 ± 158.524 χ^2/NDF : 110.6/70

- sign -344.357 ± 221.762 χ^2/NDF : 36.3/35

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 940.333+/-0.184 χ^2/NDF : 659329.0/17

Right Out: 1124.235+/-0.308 χ^2/NDF : 767790.0/18

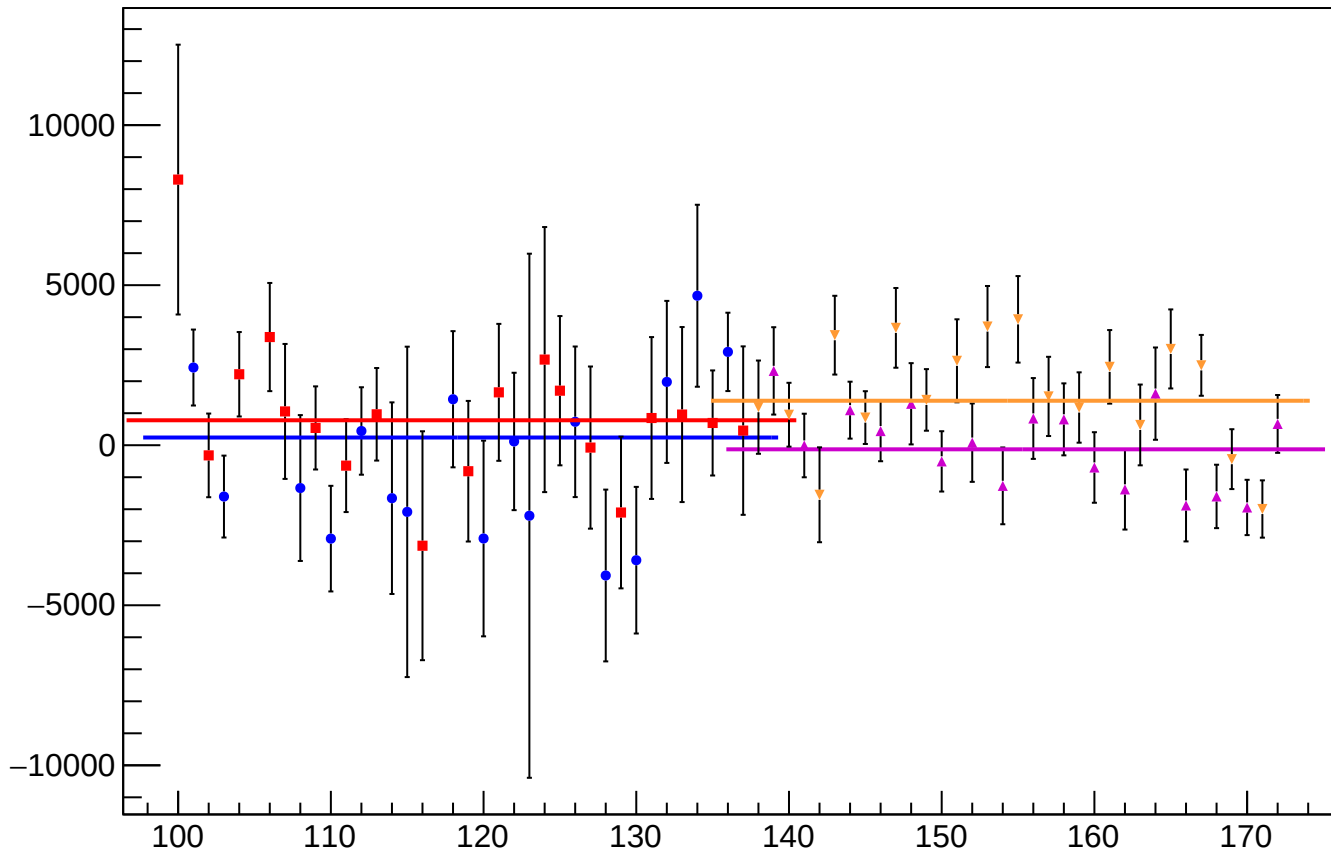
Left In: 925.697+/-0.182 χ^2/NDF : 532058.0/16

+ sign 992.961+/-0.160 χ^2/NDF : 1700495.3/34

All: 984.942+/-0.112 χ^2/NDF : 3313479.9/70

- sign 977.269+/-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: 1389.374 $\pm$ 261.929 χ^2 /NDF:40.9/17

Right Out: 779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

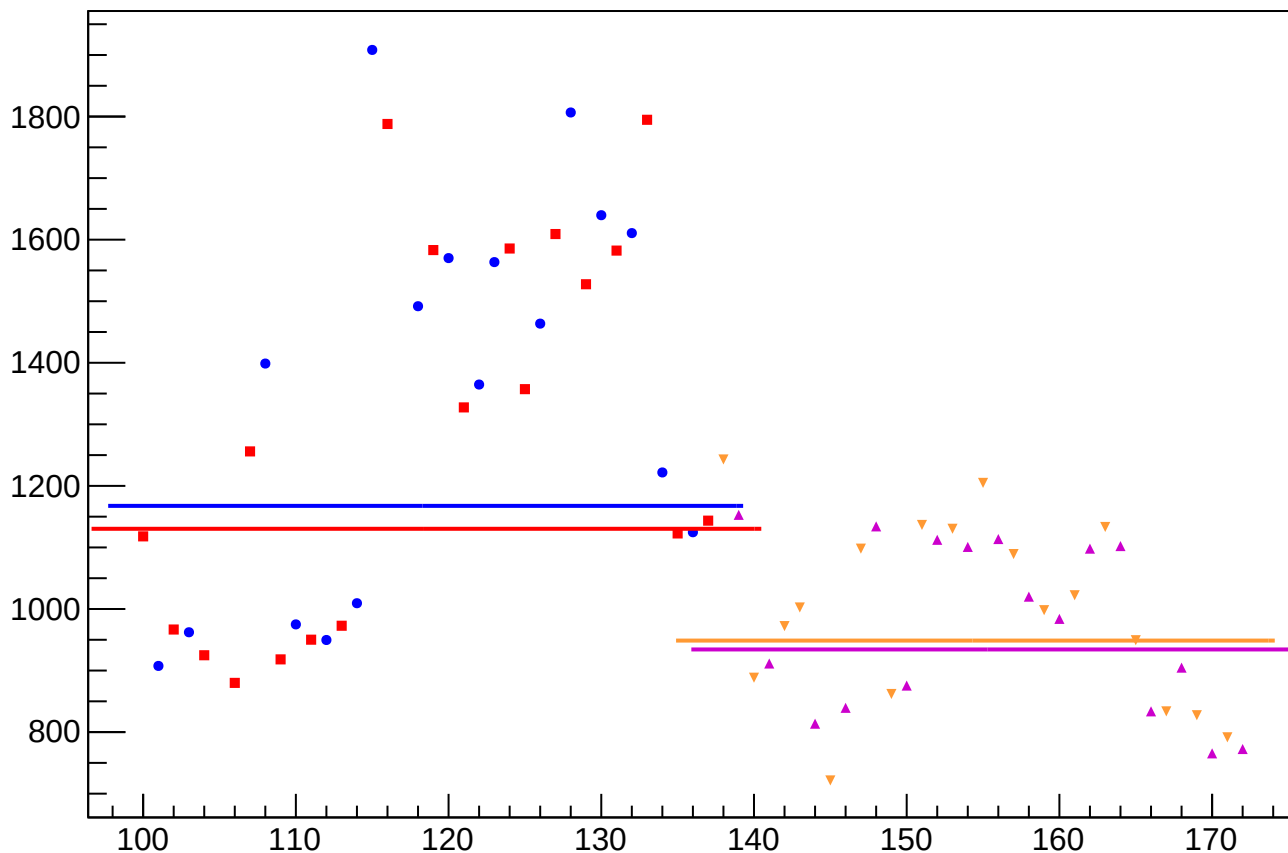
Left In: -128.200 $\pm$ 260.076 χ^2 /NDF:21.7/16

+ sign 1114.534 $\pm$ 228.454 χ^2 /NDF: 70.3/34

All: 600.741 $\pm$ 159.782 χ^2 /NDF: 117.4/70

- 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: 948.696 $\pm$ 0.185 χ^2 /NDF: 650597.8/17

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

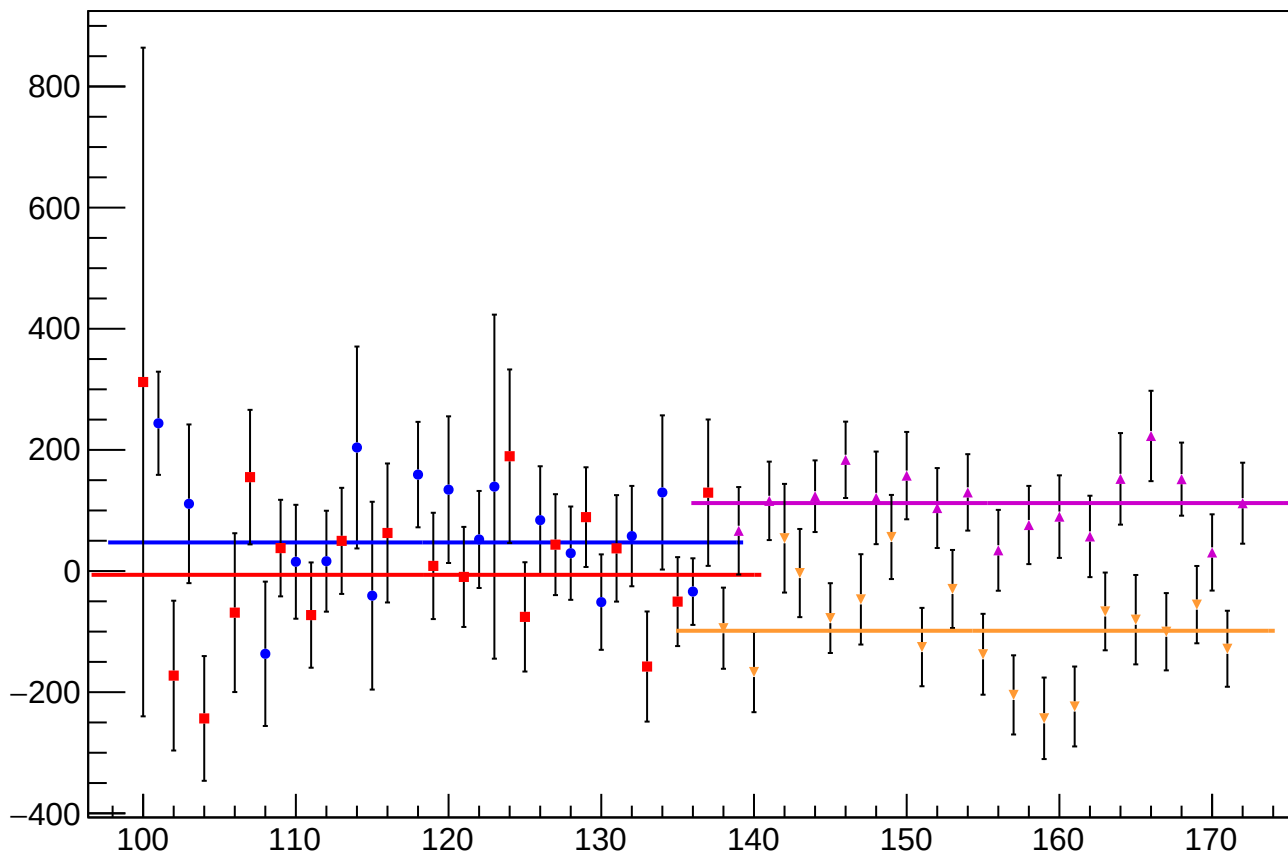
Left In: 934.259 $\pm$ 0.184 χ^2 /NDF: 523272.5/16

+ sign 1001.059 $\pm$ 0.162 χ^2 /NDF: 1675140.5/34

All: 993.086 $\pm$ 0.113 χ^2 /NDF: 3261422.0/70

- 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 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -98.615 $\pm$ 15.789 χ^2 /NDF:24.7/17

Right Out: -6.246 $\pm$ 22.128 χ^2 /NDF: 20.3/18

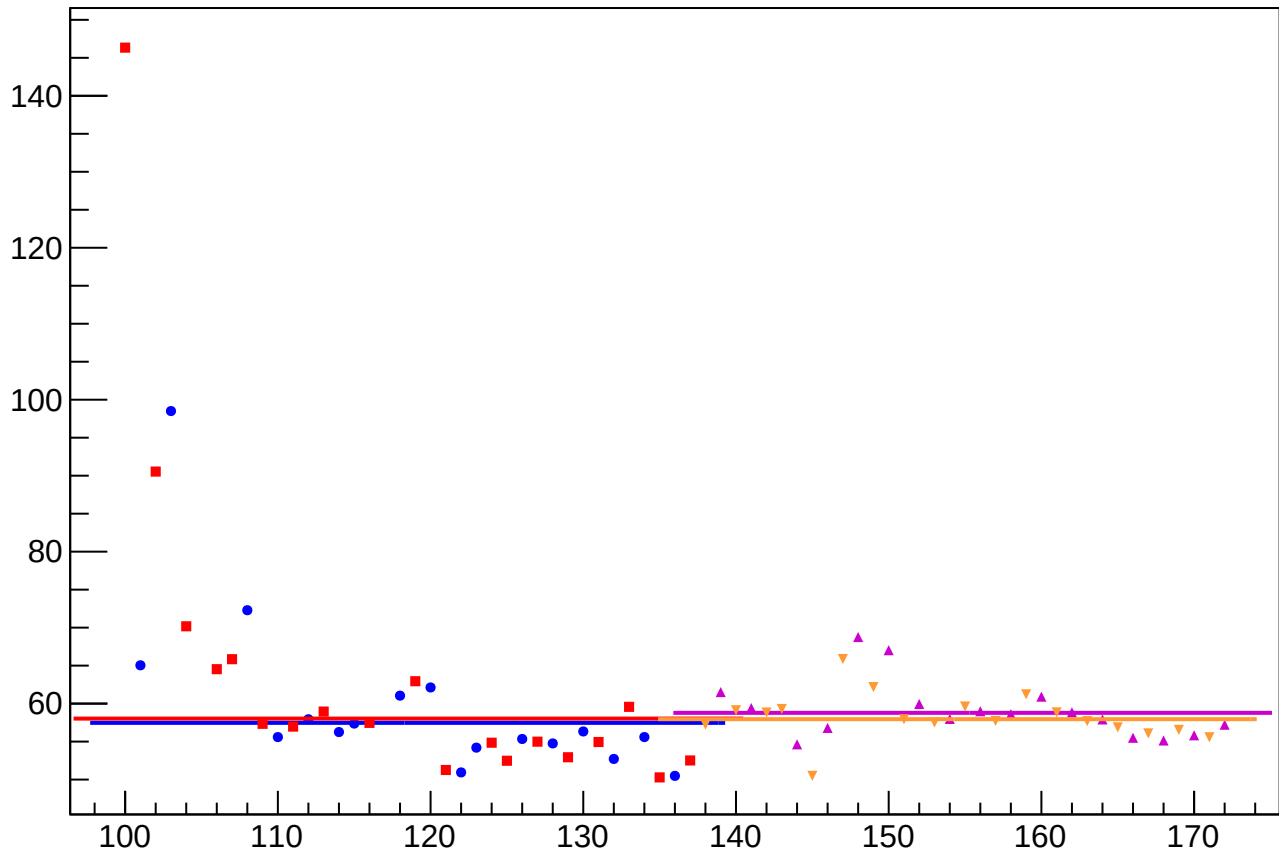
Left In: 112.210 $\pm$ 16.184 χ^2 /NDF:9.3/16

+ sign -50.681 $\pm$ 12.937 χ^2 /NDF: 68.9/34

All: 9.532 $\pm$ 9.192 χ^2 /NDF: 160.8/70

- sign 70.927 $\pm$ 13.063 χ^2 /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: 57.947 $\pm$ 0.011 χ^2 /NDF: 77591.8/17

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

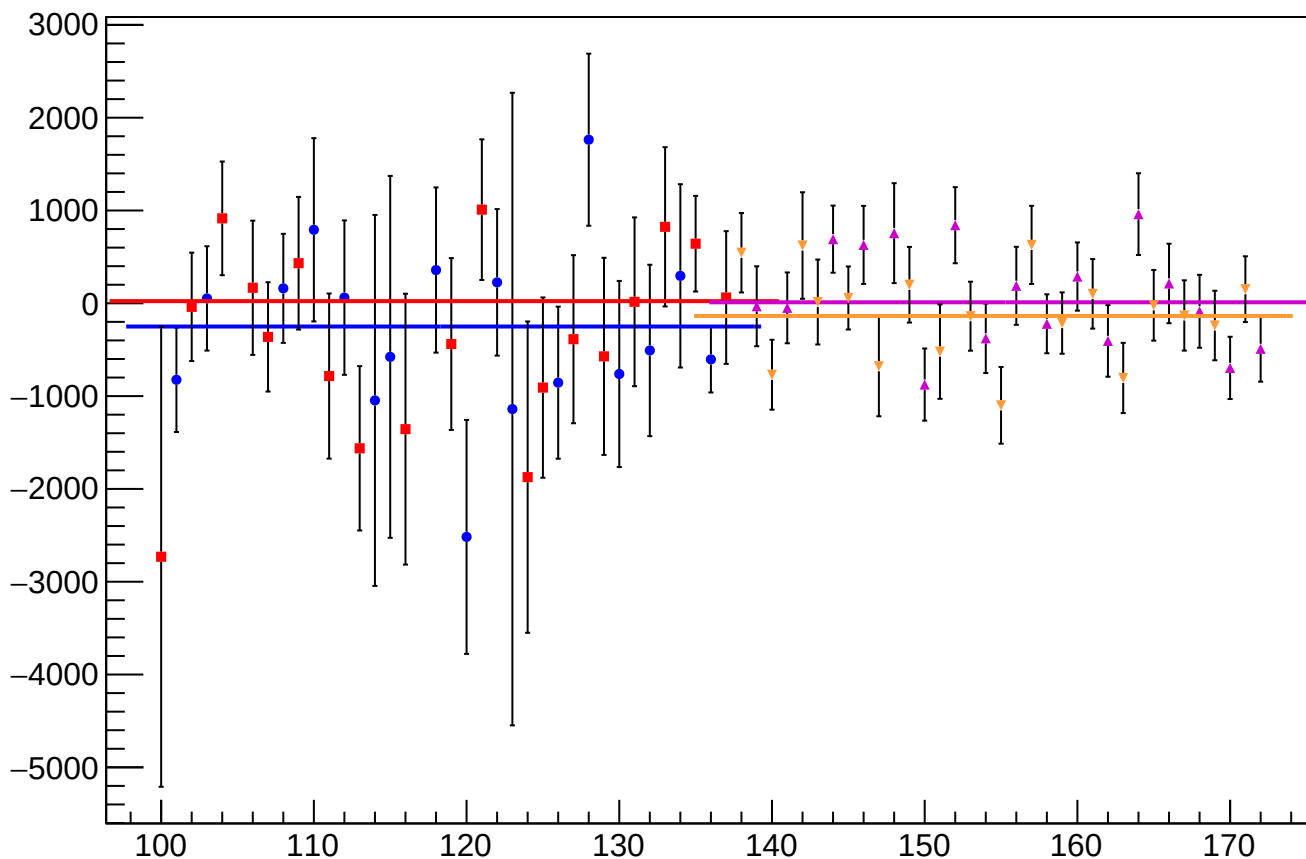
Left In: 58.783 $\pm$ 0.011 χ^2 /NDF: 94920.7/16

+ sign 57.789 $\pm$ 0.009 χ^2 /NDF: 385360.6/34

All: 58.151 $\pm$ 0.006 χ^2 /NDF: 785746.6/70

- 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: -136.298 ± 93.956 χ^2/NDF : 23.0/17

Right Out: 23.314 ± 181.834 χ^2/NDF : 16.1/18

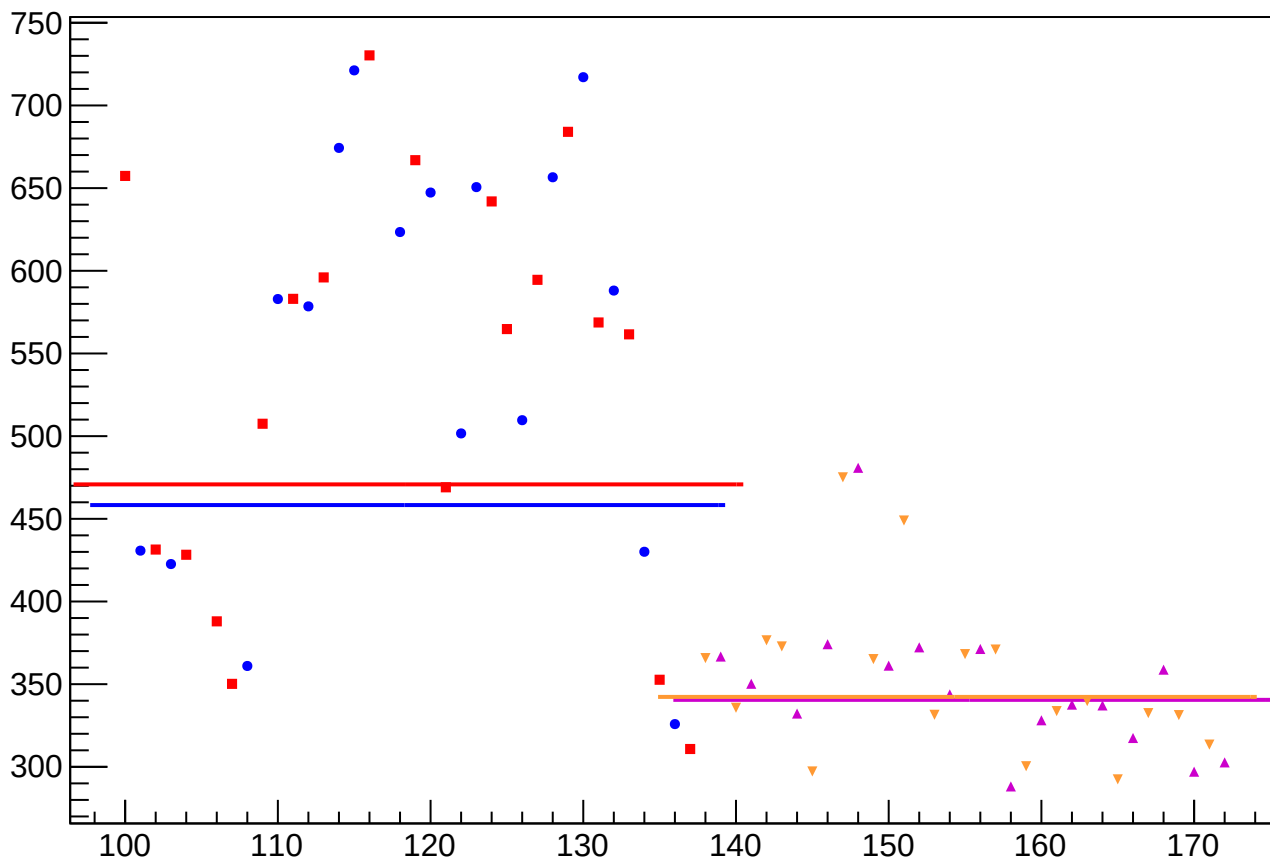
Left In: 10.871 ± 94.341 χ^2/NDF : 31.9/16

+ sign -159.824 ± 83.687 χ^2/NDF : 37.5/34

All: -73.213 ± 59.195 χ^2/NDF : 87.6/70

- 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: 342.303 $\pm$ 0.066 χ^2/NDF : 376393.6/17

Right Out: 470.827 $\pm$ 0.129 χ^2/NDF : 778635.2/18

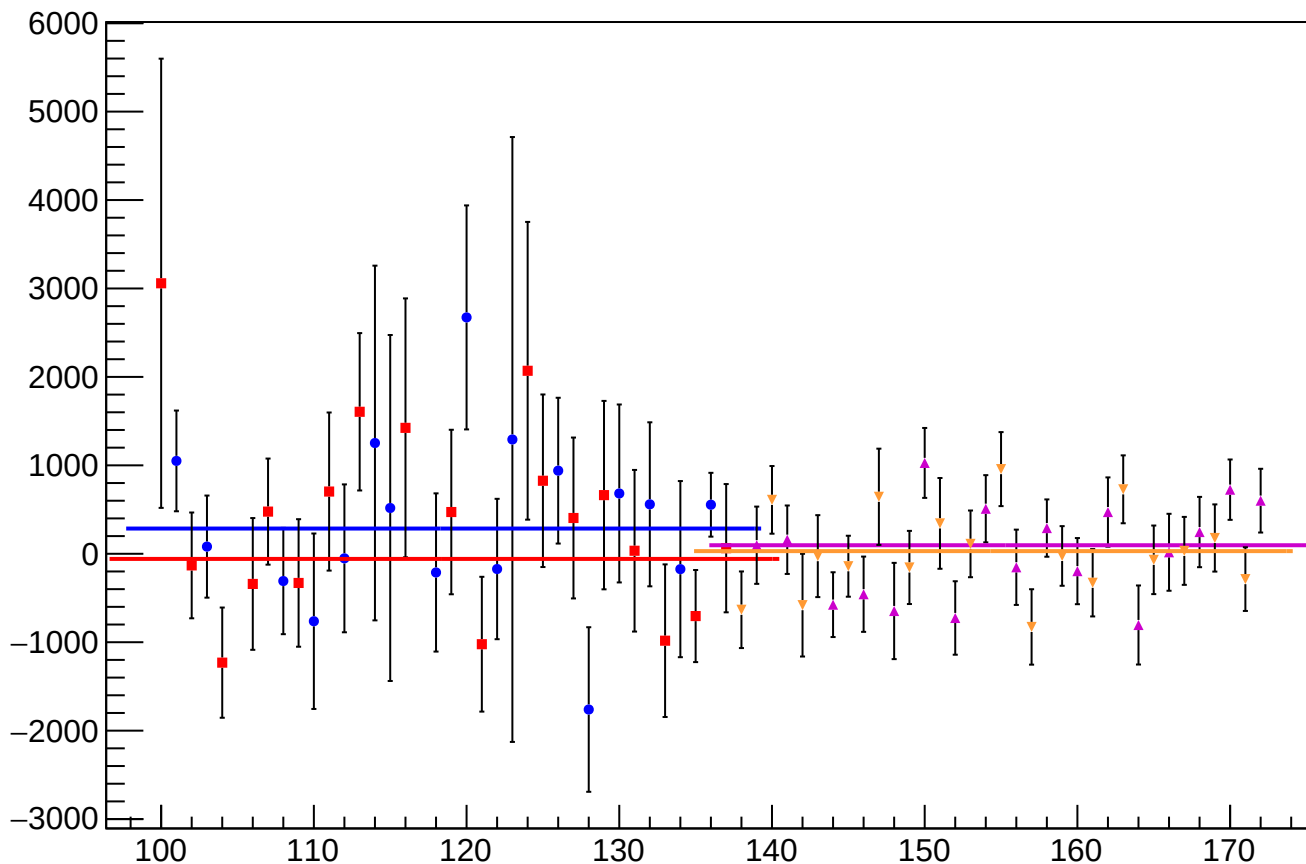
Left In: 340.519 $\pm$ 0.067 χ^2/NDF : 310339.6/16

+ sign 366.279 $\pm$ 0.059 χ^2/NDF : 1883828.5/34

All: 367.217 $\pm$ 0.042 χ^2/NDF : 3782589.6/70

- 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: 30.069 ± 95.344 χ^2/NDF : 22.1/17

Right Out: -58.001 ± 184.074 χ^2/NDF : 19.2/18

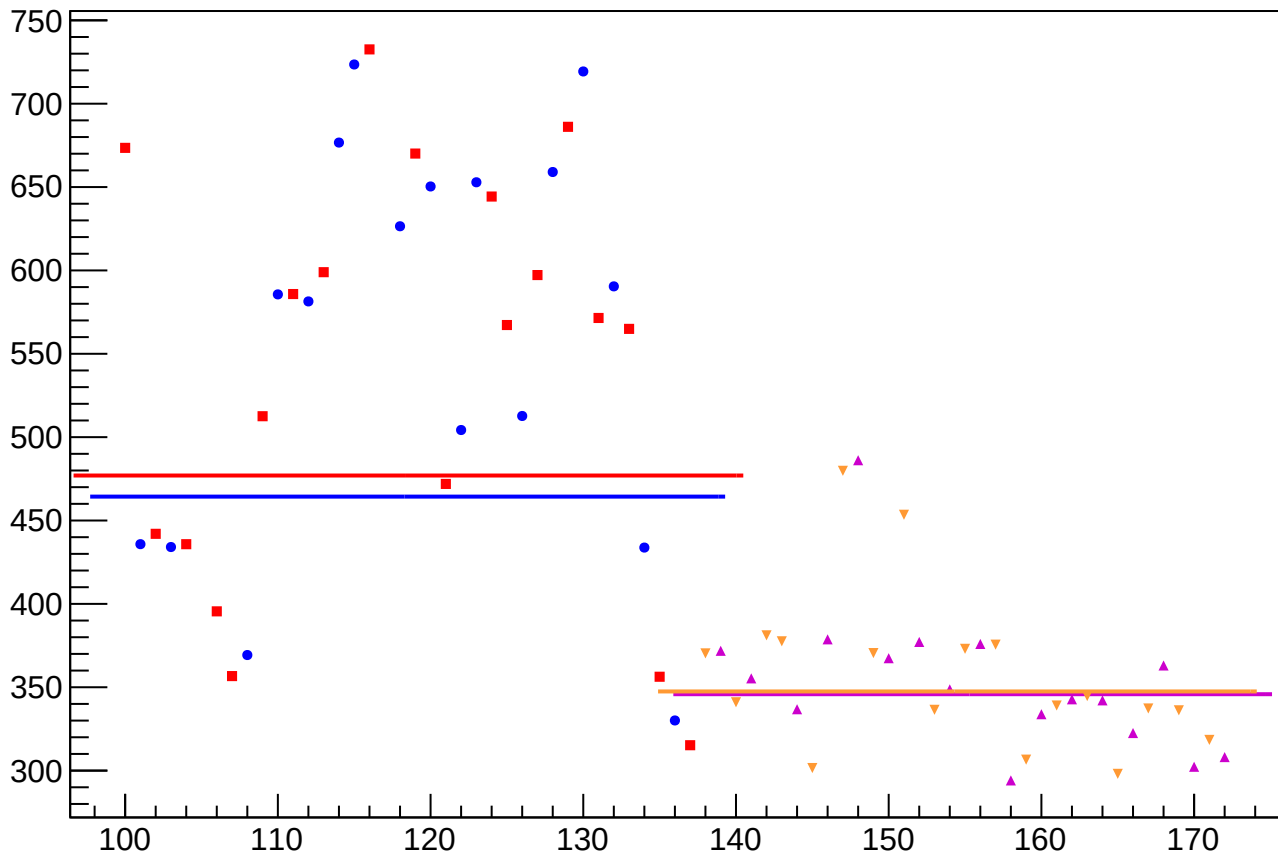
Left In: 96.617 ± 95.781 χ^2/NDF : 29.4/16

+ sign 83.070 ± 84.871 χ^2/NDF : 38.7/34

All: 73.383 ± 60.047 χ^2/NDF : 87.9/70

- sign 63.673 ± 84.967 χ^2/NDF : 49.2/35

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 347.481 $\pm$ 0.067 χ^2 /NDF: 363522.9/17

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

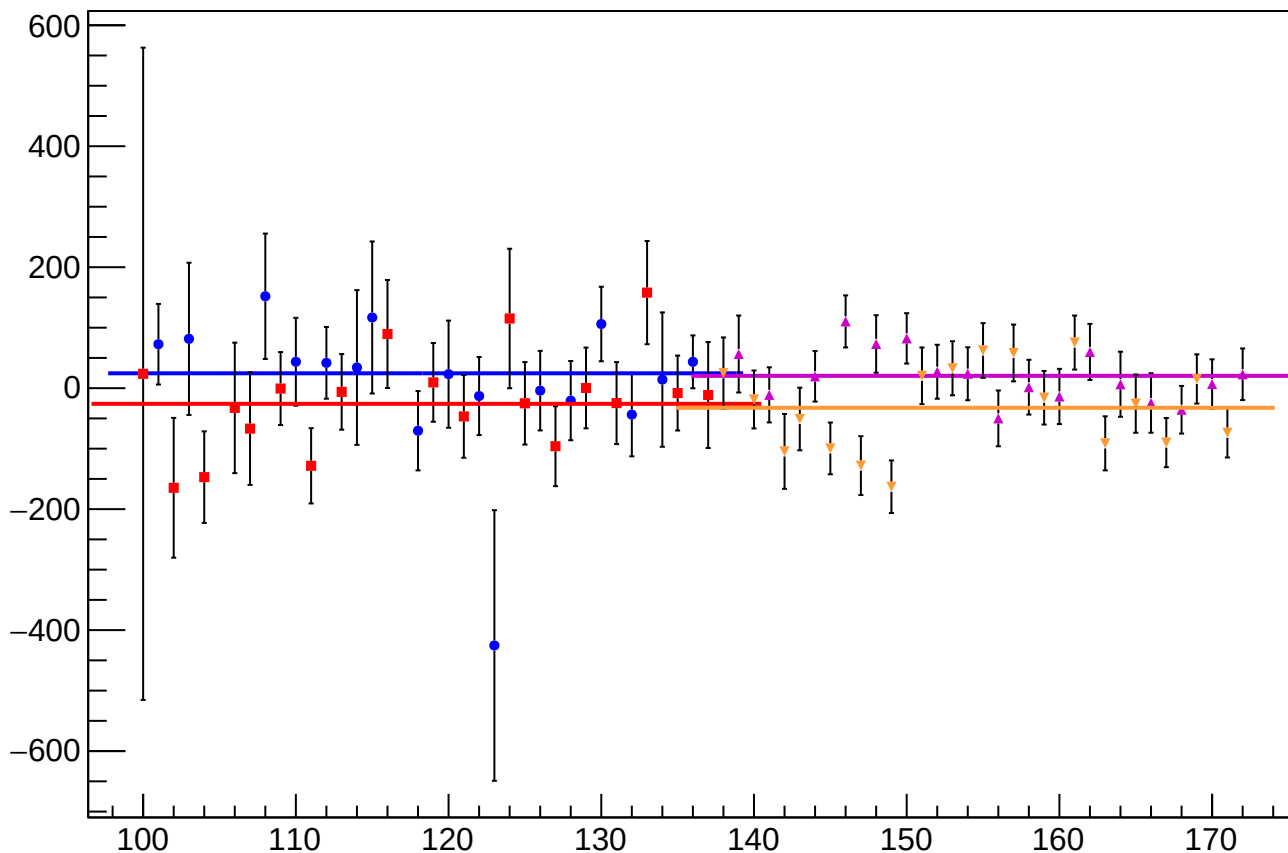
Left In: 345.827 $\pm$ 0.068 χ^2 /NDF: 299134.8/16

+ sign 371.743 $\pm$ 0.060 χ^2 /NDF: 1833227.1/34

All: 372.757 $\pm$ 0.042 χ^2 /NDF: 3681363.3/70

- sign 373.773 $\pm$ 0.060 χ^2 /NDF: 1847564.8/35

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -32.418 ± 10.842 $\chi^2/\text{NDF}: 41.5/17$

Right Out: -25.884 ± 17.386 $\chi^2/\text{NDF}: 16.8/18$

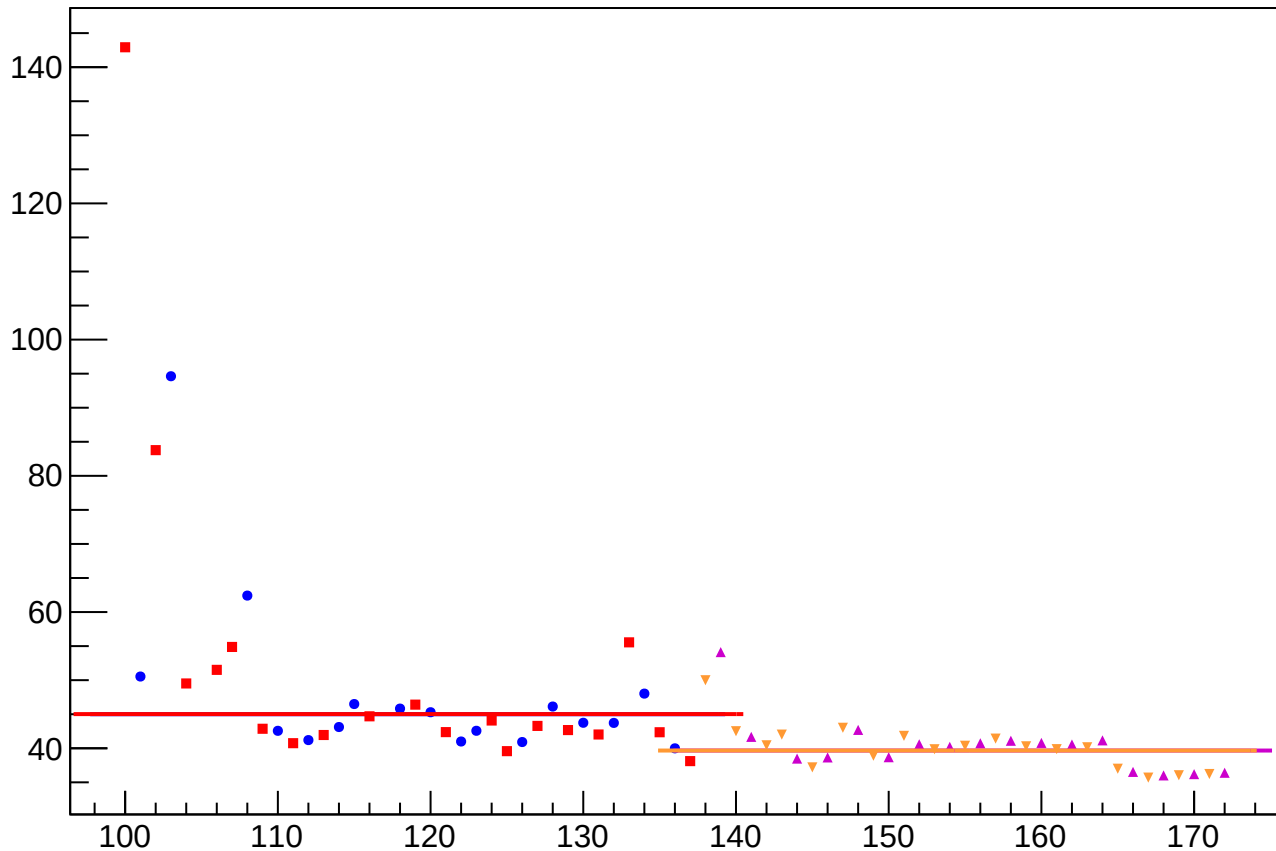
Left In: 20.377 ± 10.949 $\chi^2/\text{NDF}: 15.5/16$

+ sign -17.042 ± 9.265 $\chi^2/\text{NDF}: 62.0/34$

All: -4.900 ± 6.551 $\chi^2/\text{NDF}: 102.7/70$

- 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: 39.668 $\pm$ 0.008 χ^2 /NDF: 152926.1/17

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

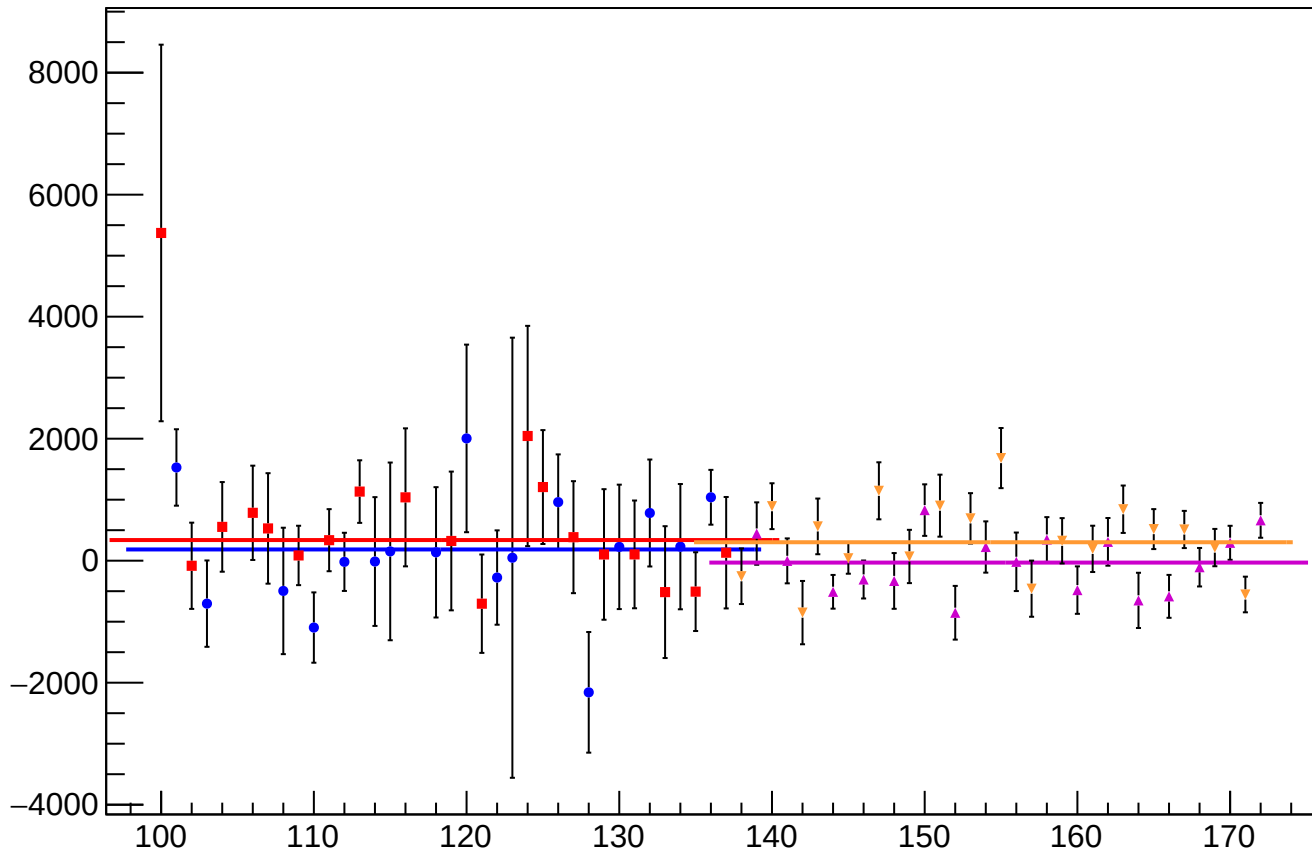
Left In: 39.667 $\pm$ 0.008 χ^2 /NDF: 178135.8/16

+ sign 41.106 $\pm$ 0.007 χ^2 /NDF: 721840.9/34

All: 41.146 $\pm$ 0.005 χ^2 /NDF: 1451166.5/70

- 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 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 302.422 ± 88.504 χ^2/NDF : 38.3/17

Right Out: 338.329 ± 179.381 χ^2/NDF : 12.5/18

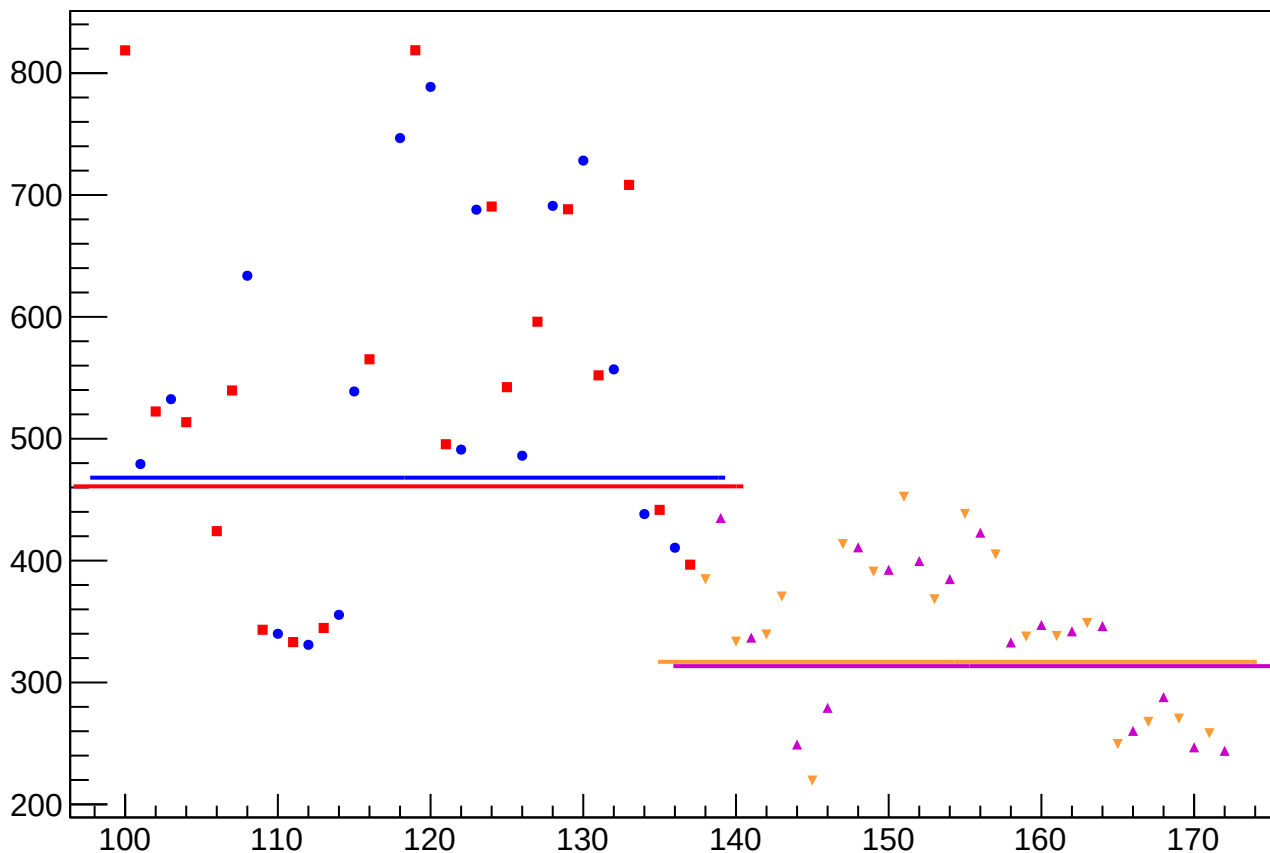
Left In: -31.195 ± 88.093 χ^2/NDF : 27.9/16

+ sign 281.076 ± 80.118 χ^2/NDF : 62.8/34

All: 159.264 ± 56.279 χ^2/NDF : 111.2/70

- sign 40.608 ± 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: 316.952 $\pm$ 0.063 χ^2/NDF :1175547.7/17

Right Out: 460.939 $\pm$ 0.127 χ^2/NDF : 955028.5/18

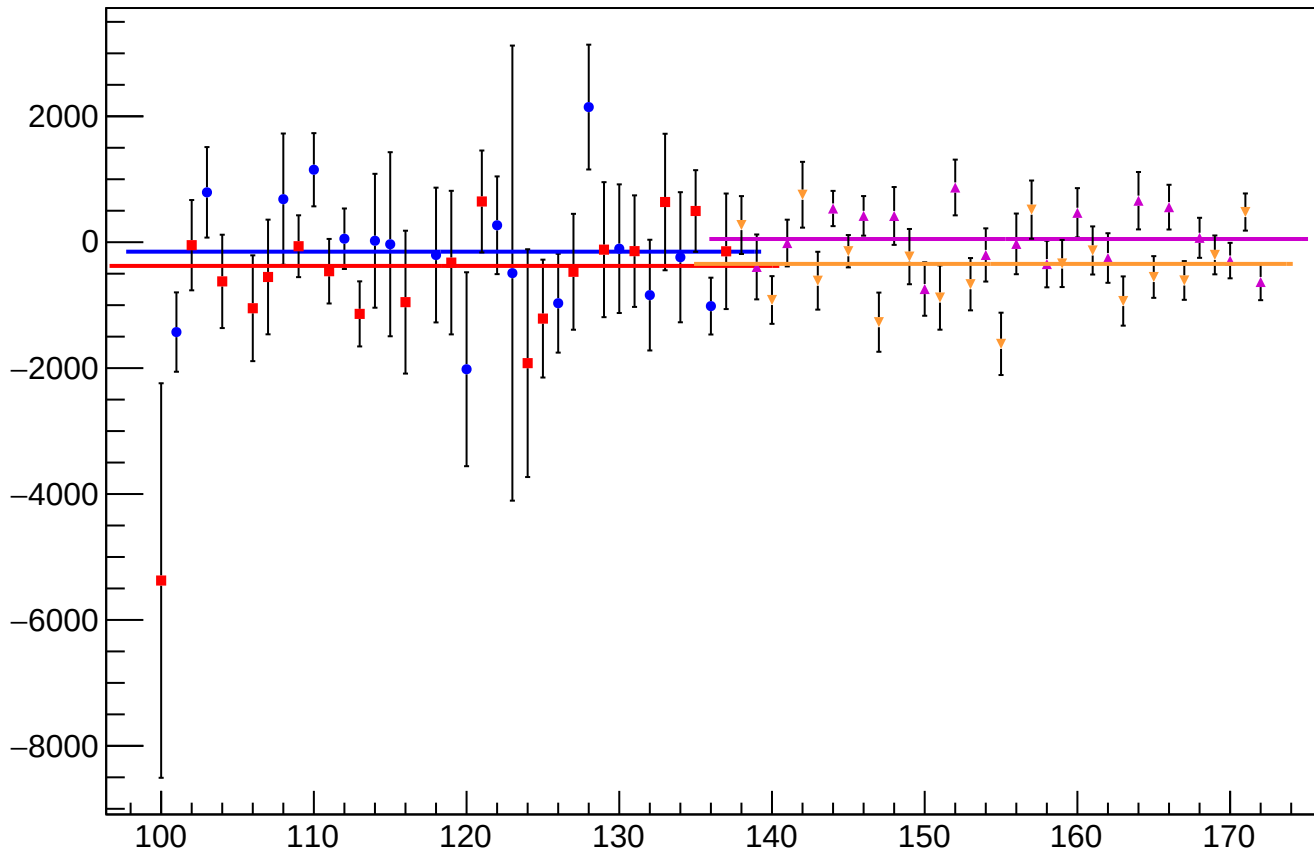
Left In: 313.425 $\pm$ 0.062 χ^2/NDF :986373.1/16

+ sign 344.234 $\pm$ 0.057 χ^2/NDF : 3108585.2/34

All: 343.147 $\pm$ 0.040 χ^2/NDF : 6140429.5/70

- 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: -344.548 ± 89.252 χ^2/NDF : 36.9/17

Right Out: -376.554 ± 181.258 χ^2/NDF : 12.4/18

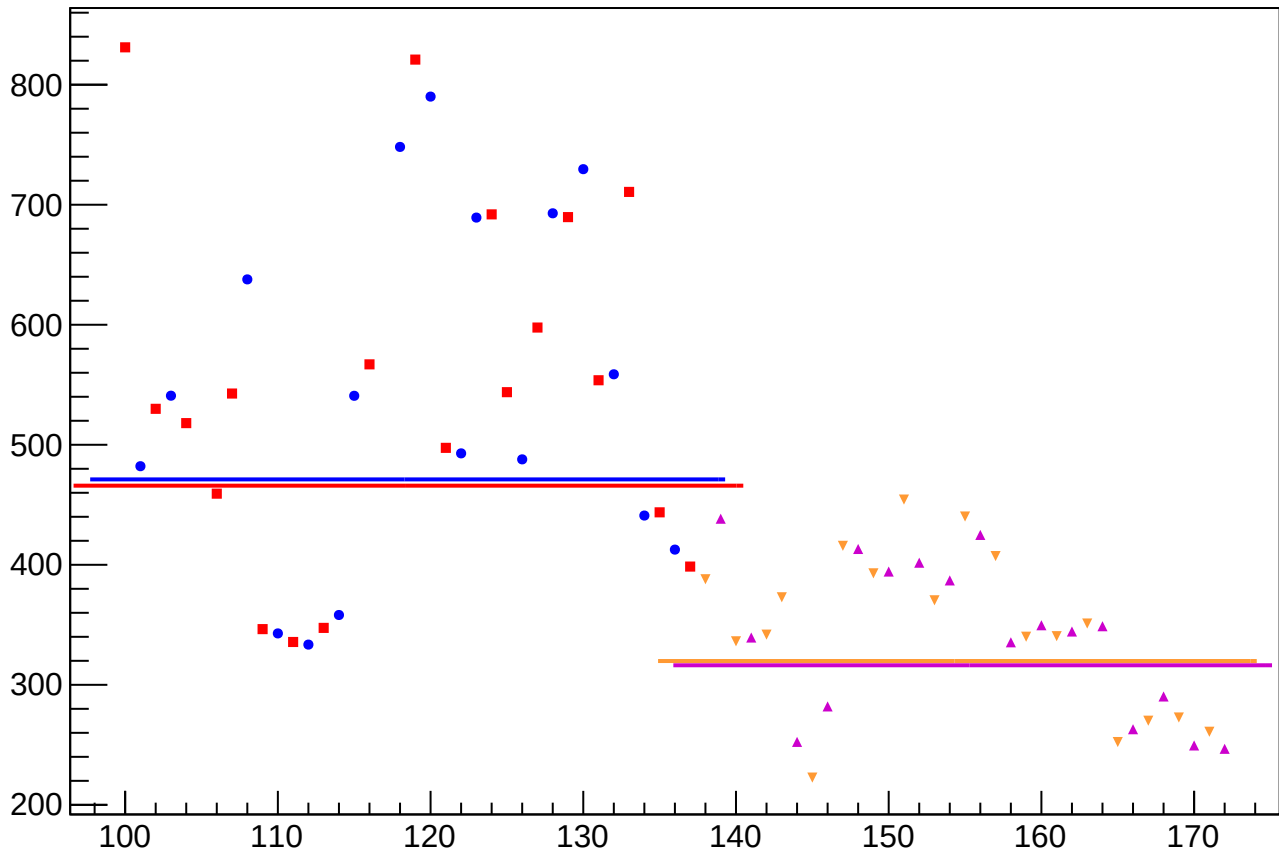
Left In: 50.946 ± 88.850 χ^2/NDF : 26.8/16

+ sign -309.352 ± 80.762 χ^2/NDF : 61.9/34

All: -168.917 ± 56.757 χ^2/NDF : 111.6/70

- 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: 319.825 $\pm$ 0.063 χ^2 /NDF:1147017.8/17

Right Out: 465.935 $\pm$ 0.128 χ^2 /NDF: 940521.6/18

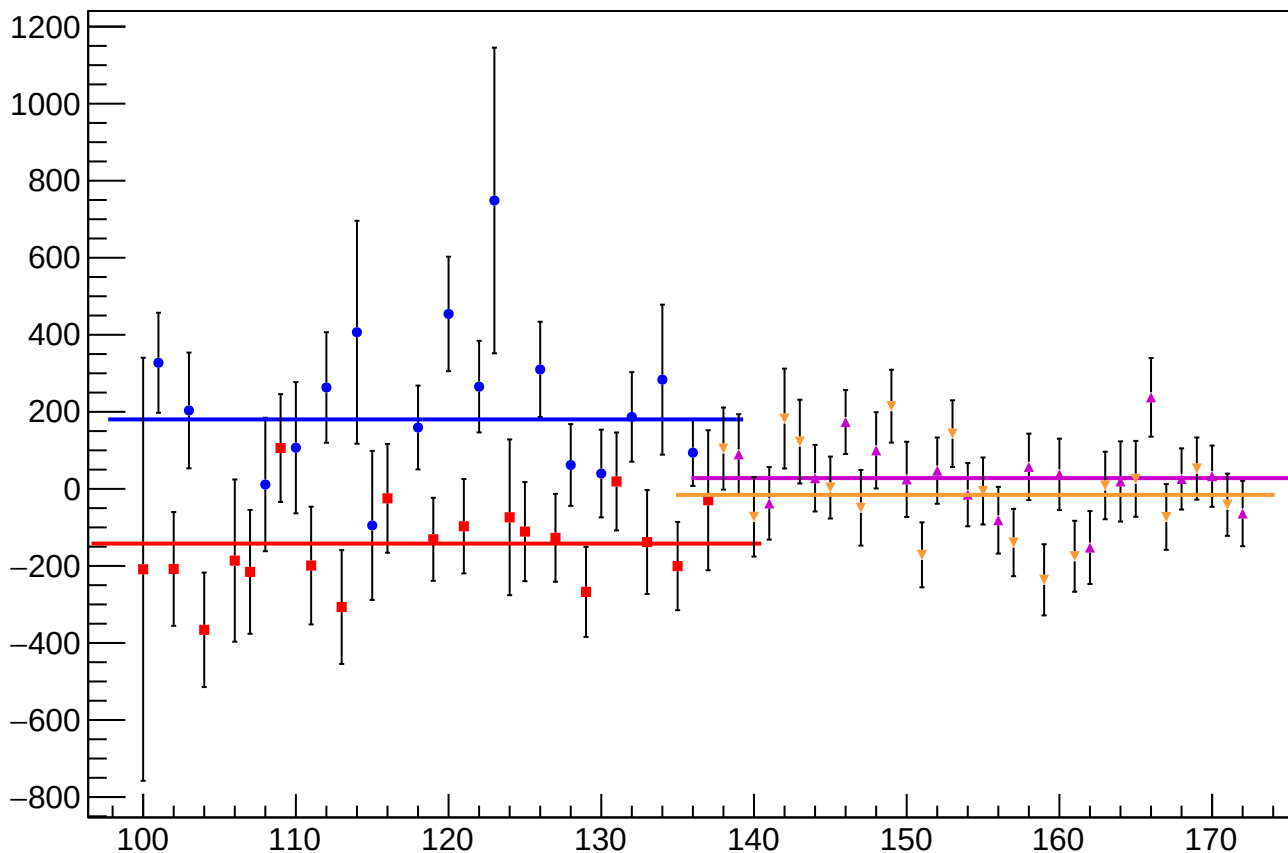
Left In: 316.286 $\pm$ 0.063 χ^2 /NDF:963618.4/16

+ sign 347.245 $\pm$ 0.057 χ^2 /NDF: 3060689.3/34

All: 346.250 $\pm$ 0.040 χ^2 /NDF: 6064601.6/70

- 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: -15.621 $\pm$ 21.585 χ^2 /NDF:30.7/17

Right Out: -142.040 $\pm$ 32.338 χ^2 /NDF: 11.7/18

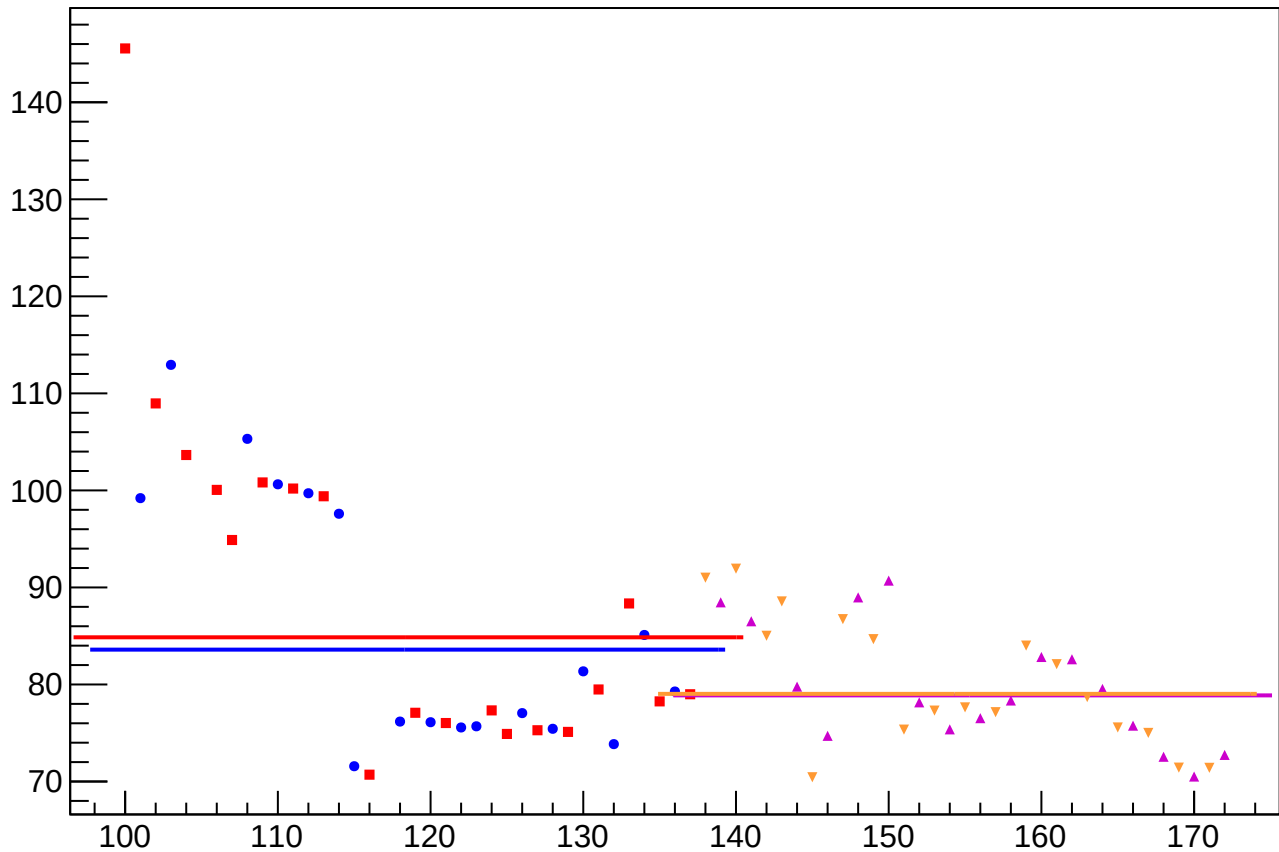
Left In: 27.988 $\pm$ 21.751 χ^2 /NDF:15.5/16

+ sign 43.672 $\pm$ 18.026 χ^2 /NDF: 72.2/34

All: 9.391 $\pm$ 12.754 χ^2 /NDF: 125.6/70

- 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: 79.032 $\pm$ 0.015 χ^2 /NDF:175003.1/17

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

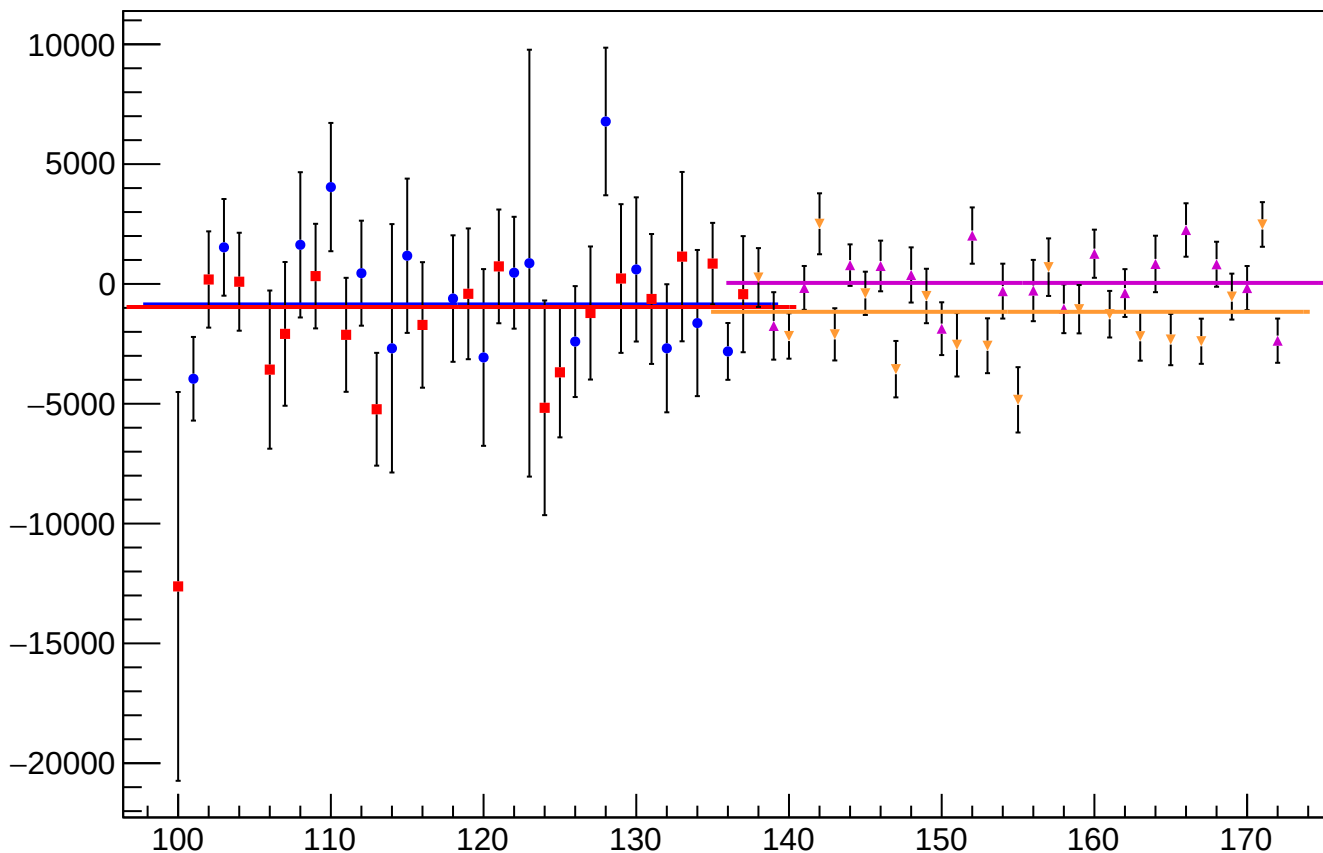
Left In: 78.875 $\pm$ 0.015 χ^2 /NDF:144756.7/16

+ sign 80.411 $\pm$ 0.013 χ^2 /NDF: 457919.8/34

All: 80.575 $\pm$ 0.009 χ^2 /NDF: 940792.0/70

- 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: -1163.256 ± 251.842 χ^2/NDF : 48.7/17

Right Out: -962.932 ± 589.071 χ^2/NDF : 11.5/18

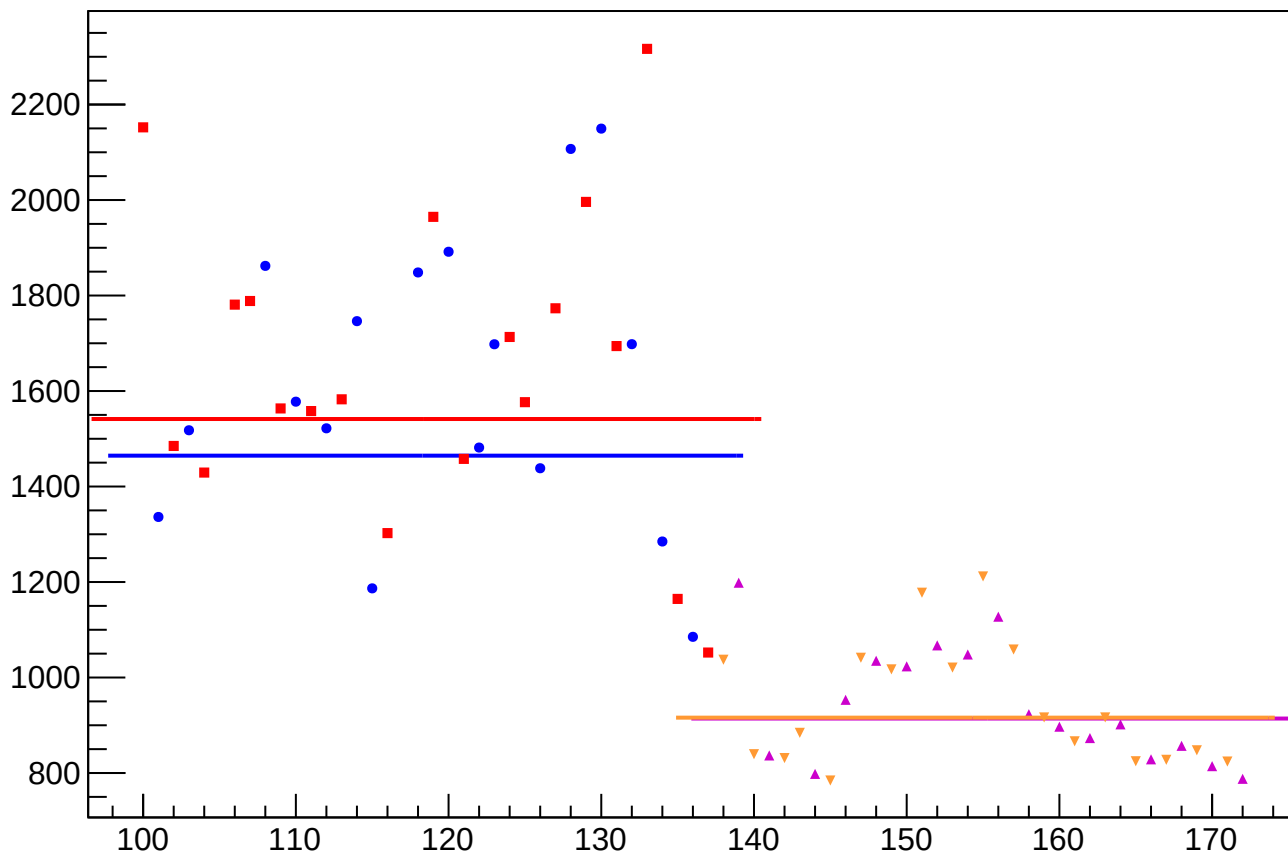
Left In: 42.966 ± 253.376 χ^2/NDF : 23.6/16

+ sign -1114.869 ± 231.212 χ^2/NDF : 69.2/34

All: -617.810 ± 164.035 χ^2/NDF : 116.1/70

- sign -114.080 ± 232.758 χ^2/NDF : 37.6/35

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636+/-0.412 χ^2/NDF : 560863.4/16

Left Out: 915.953+/-0.178 χ^2/NDF : 408409.9/17

Right Out: 1541.388+/-0.417 χ^2/NDF : 453710.5/18

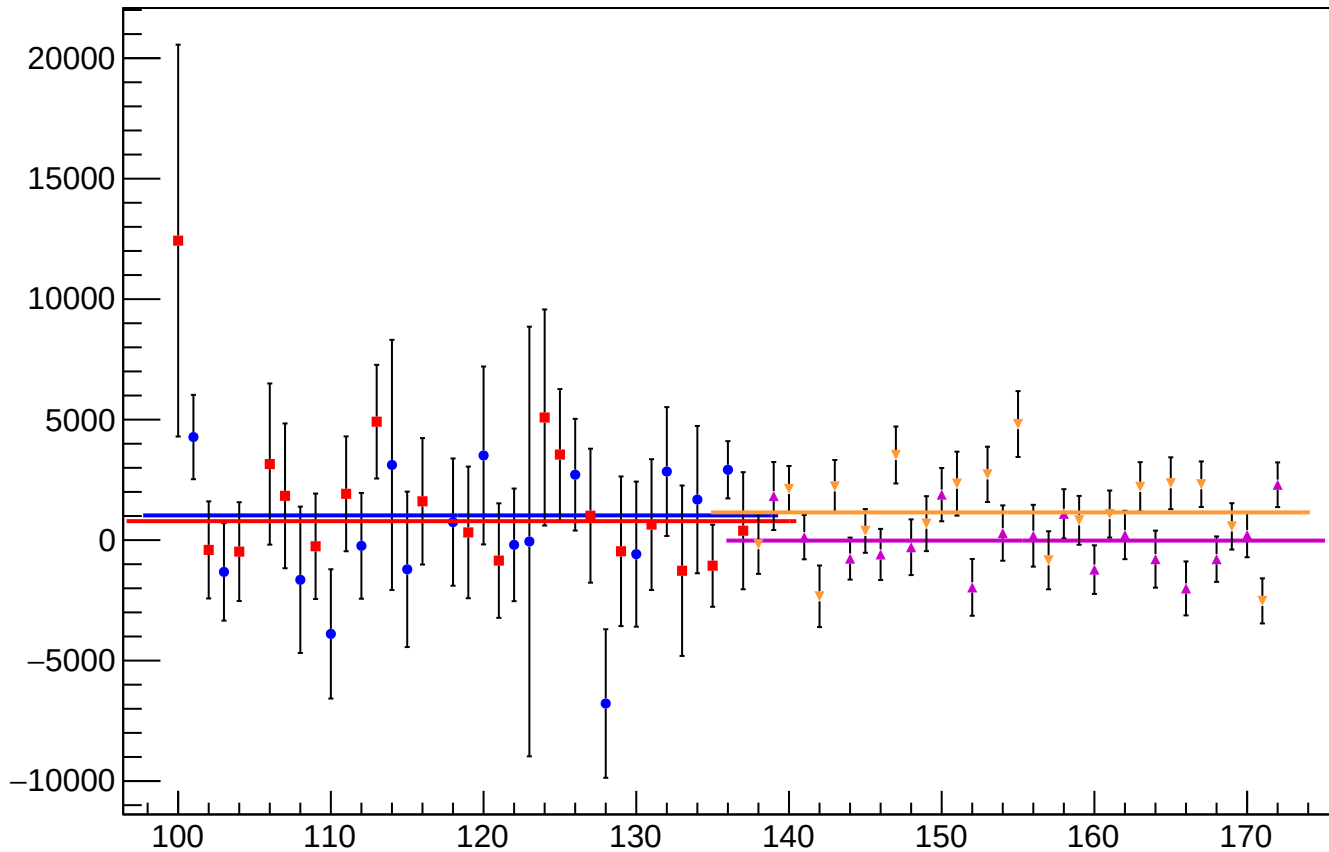
Left In: 914.076+/-0.179 χ^2/NDF : 377681.0/16

+ sign 1002.166+/-0.163 χ^2/NDF : 2460918.8/34

All: 1007.058+/-0.116 χ^2/NDF : 5208106.0/70

- sign 1012.015+/-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: 1150.180 ± 252.853 χ^2/NDF : 47.9/17

Right Out: 787.007 ± 590.388 χ^2/NDF : 11.2/18

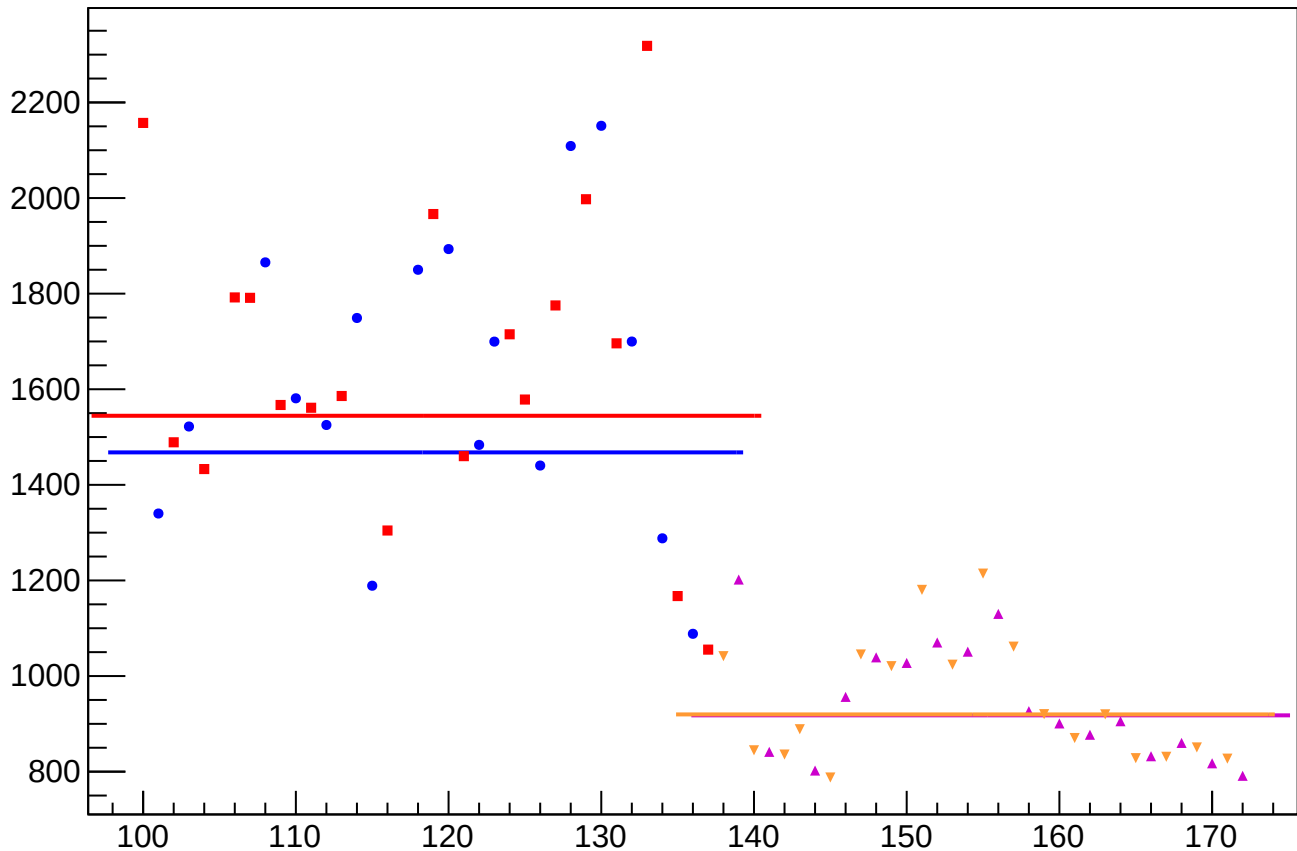
Left In: -20.065 ± 254.379 χ^2/NDF : 21.8/16

+ sign 1130.530 ± 232.069 χ^2/NDF : 68.9/34

All: 621.820 ± 164.642 χ^2/NDF : 113.2/70

- sign 106.305 ± 233.616 χ^2/NDF : 34.6/35

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 919.744+/-0.179 χ^2/NDF : 404056.2/17

Right Out: 1544.513+/-0.417 χ^2/NDF : 451805.9/18

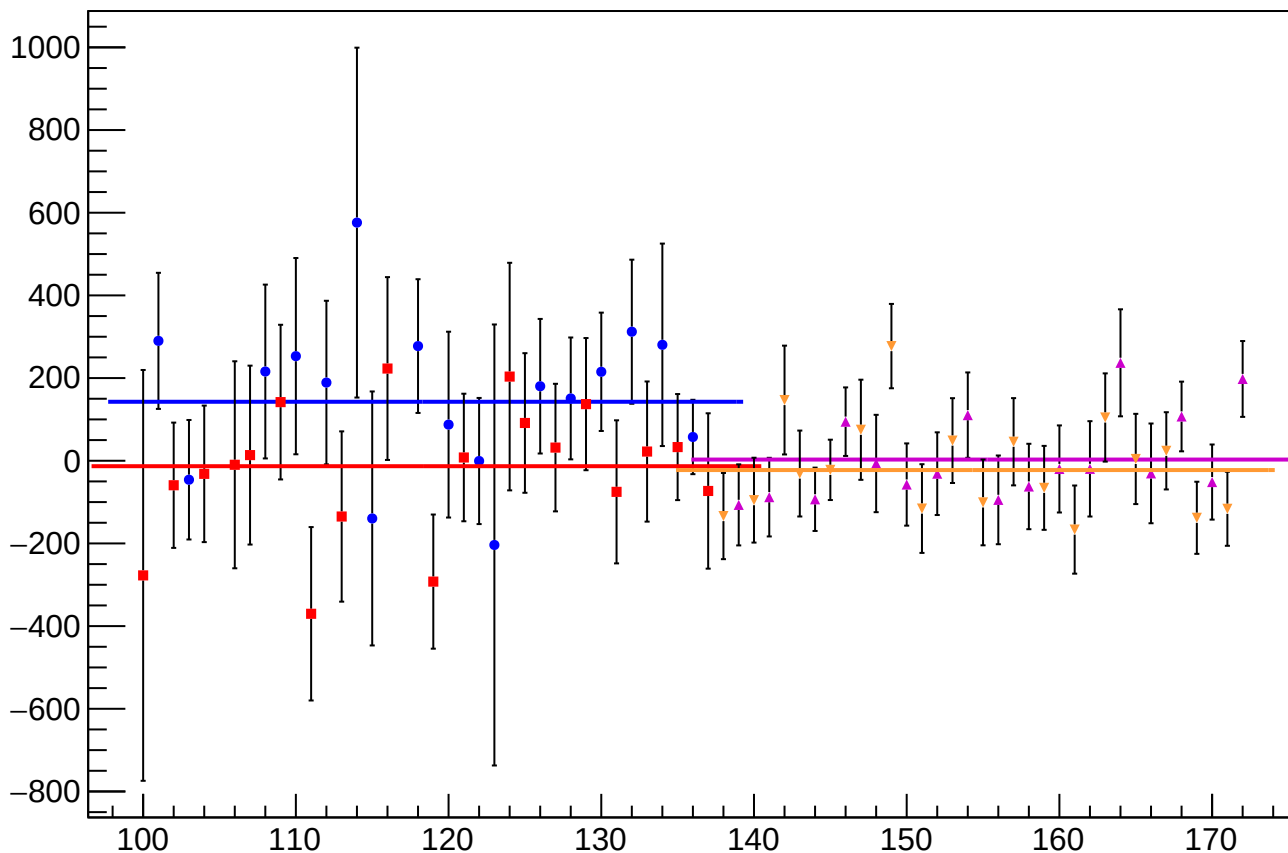
Left In: 917.789+/-0.180 χ^2/NDF : 373712.9/16

+ sign 1006.156+/-0.164 χ^2/NDF : 2443269.7/34

All: 1011.006+/-0.116 χ^2/NDF : 5171421.5/70

- sign 1015.920+/-0.165 χ^2/NDF : 2726393.2/35

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -22.514 $\pm$ 23.694 χ^2 /NDF:21.4/17

Right Out: -13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

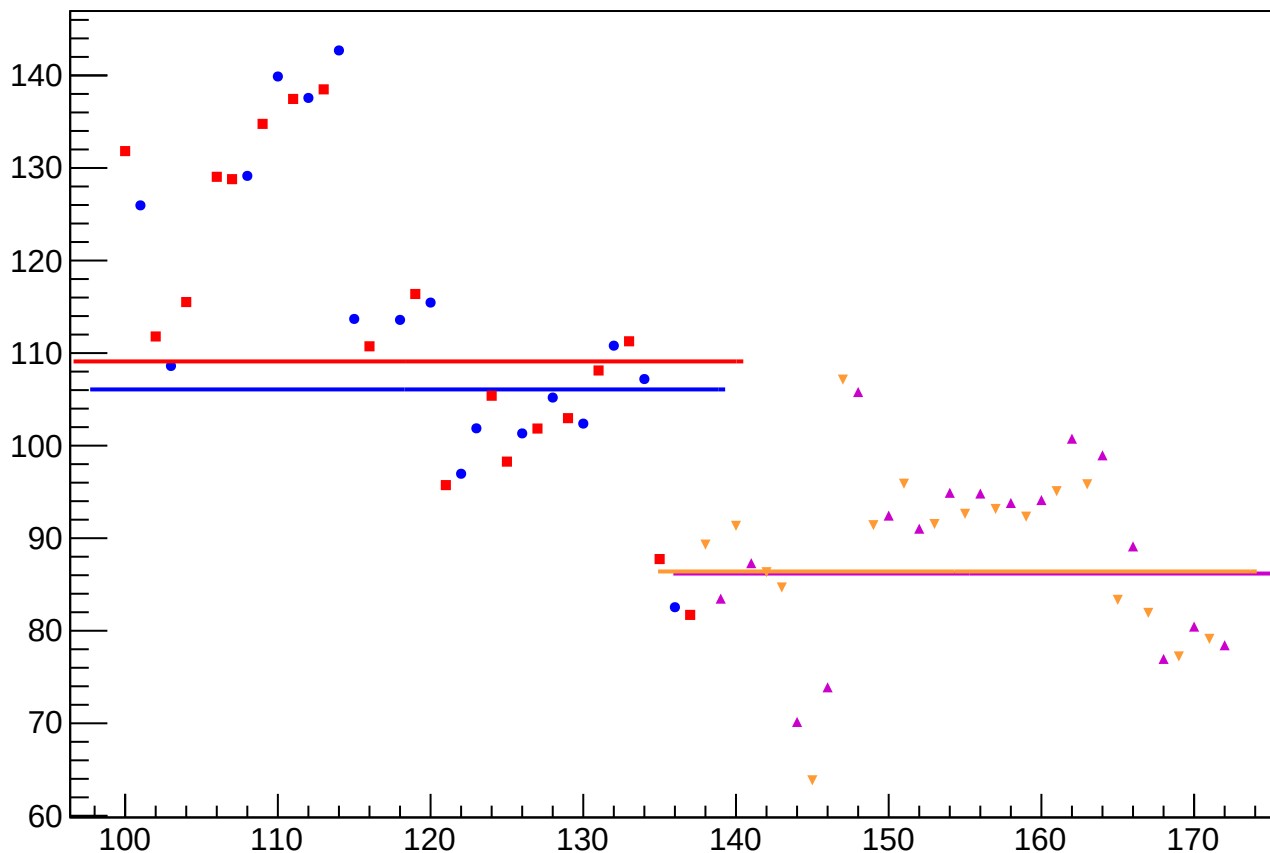
Left In: 2.880 $\pm$ 23.888 χ^2 /NDF:17.6/16

+ sign 17.913 $\pm$ 20.592 χ^2 /NDF: 42.6/34

All: 8.437 $\pm$ 14.595 χ^2 /NDF: 71.6/70

- sign -1.131 $\pm$ 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: 86.406 $\pm$ 0.017 χ^2 /NDF: 374471.7/17

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

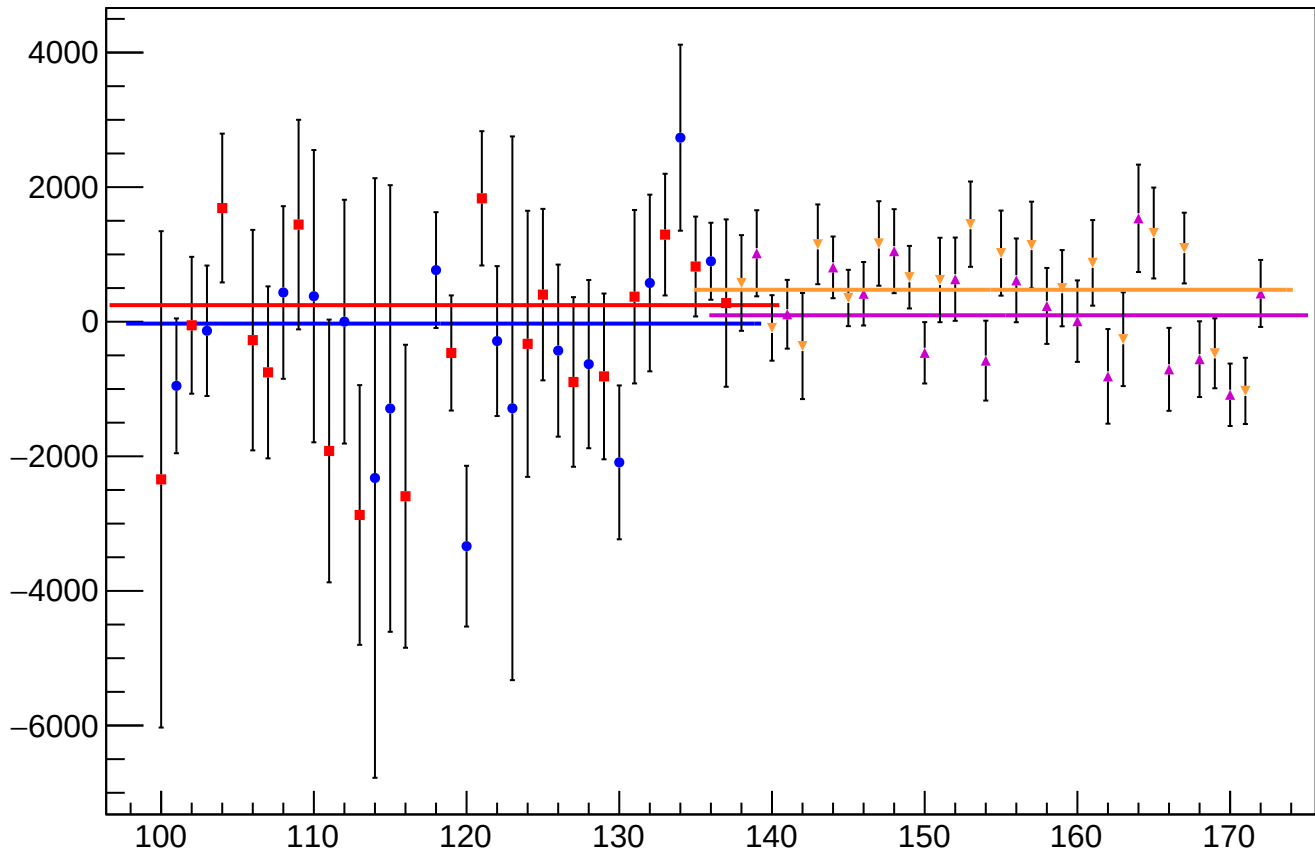
Left In: 86.182 $\pm$ 0.017 χ^2 /NDF: 349725.1/16

+ sign 91.219 $\pm$ 0.015 χ^2 /NDF: 1029612.0/34

All: 91.562 $\pm$ 0.010 χ^2 /NDF: 2125733.7/70

- 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: 474.873 ± 135.139 χ^2/NDF : 26.5/17

Right Out: 246.386 ± 279.451 χ^2/NDF : 15.9/18

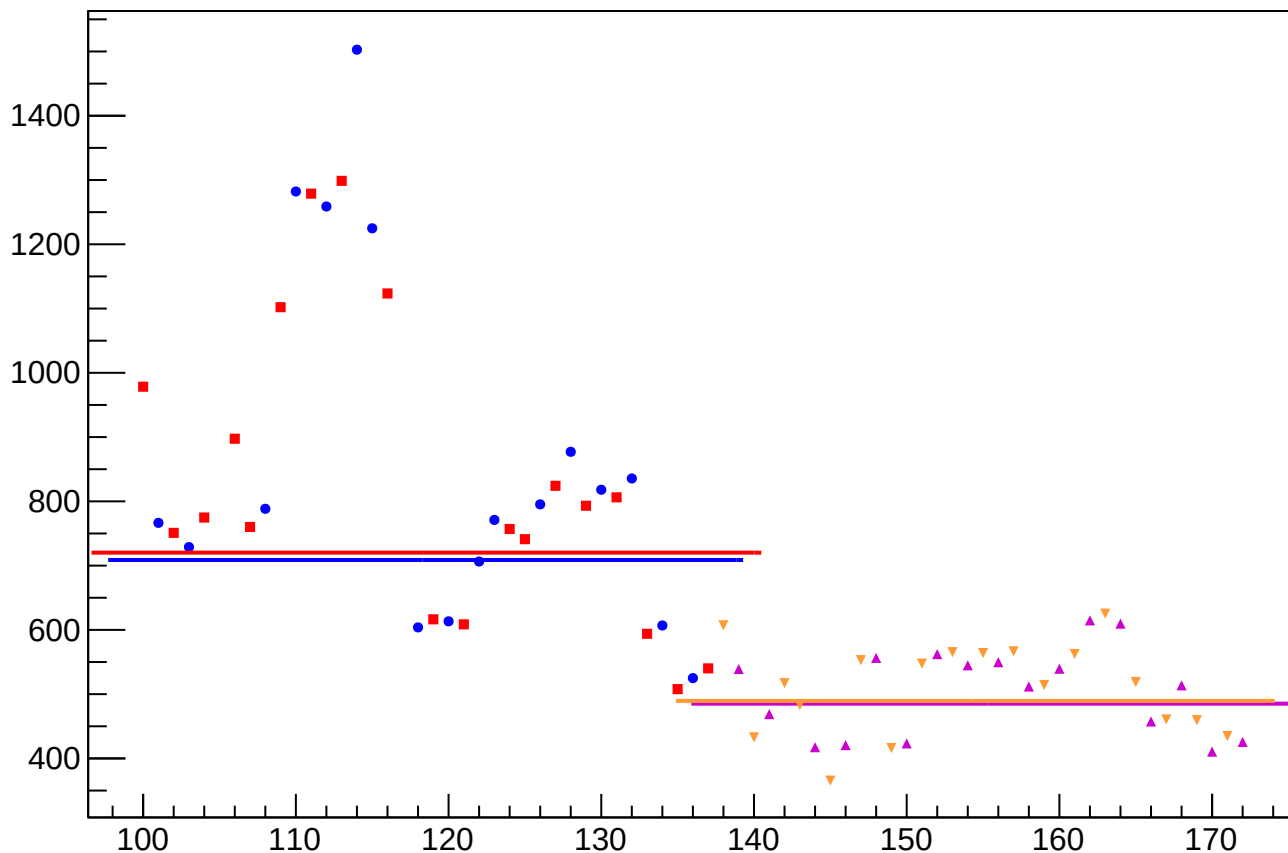
Left In: 95.601 ± 134.997 χ^2/NDF : 26.5/16

+ sign 381.900 ± 122.007 χ^2/NDF : 49.6/34

All: 252.538 ± 86.112 χ^2/NDF : 94.4/70

- 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: 489.522 $\pm$ 0.096 χ^2/NDF : 579826.5/17

Right Out: 720.201 $\pm$ 0.198 χ^2/NDF : 899934.4/18

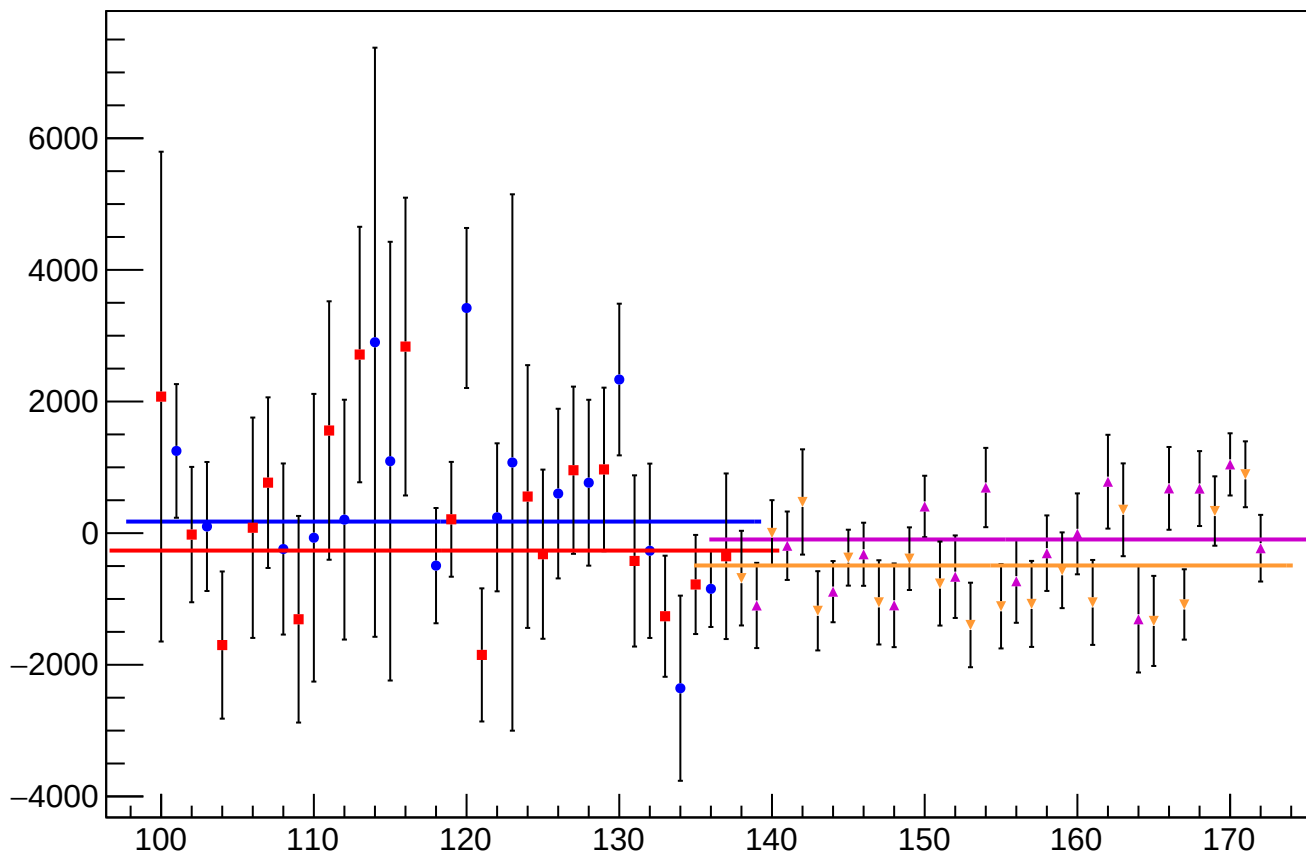
Left In: 485.205 $\pm$ 0.095 χ^2/NDF : 459791.7/16

+ sign 530.063 $\pm$ 0.086 χ^2/NDF : 2346837.1/34

All: 529.865 $\pm$ 0.061 χ^2/NDF : 4853264.3/70

- sign 529.669 $\pm$ 0.086 χ^2/NDF : 2506416.8/35

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854+/-287.218 χ^2/NDF : 19.7/16

Left Out: -491.116+/-137.349 χ^2/NDF : 23.7/17

Right Out: -264.622+/-283.074 χ^2/NDF : 14.8/18

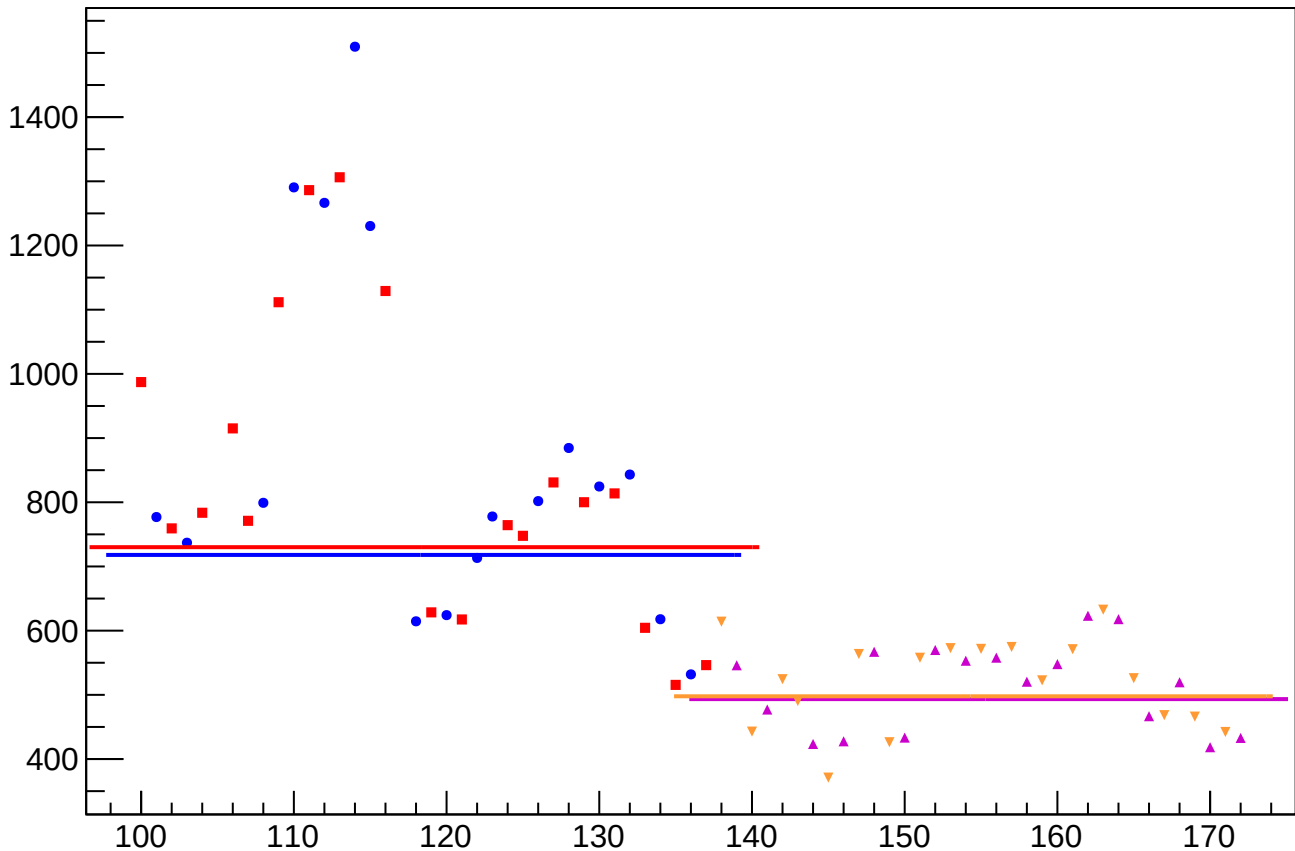
Left In: -96.063+/-137.222 χ^2/NDF : 25.9/16

+ sign -366.981+/-123.910 χ^2/NDF : 47.8/34

All: -247.142+/-87.465 χ^2/NDF : 90.7/70

- sign -128.136+/-123.478 χ^2/NDF : 41.0/35

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973 ± 0.203 χ^2/NDF : 778580.1/16

Left Out: 497.758 ± 0.097 χ^2/NDF : 566743.5/17

Right Out: 730.040 ± 0.200 χ^2/NDF : 881842.0/18

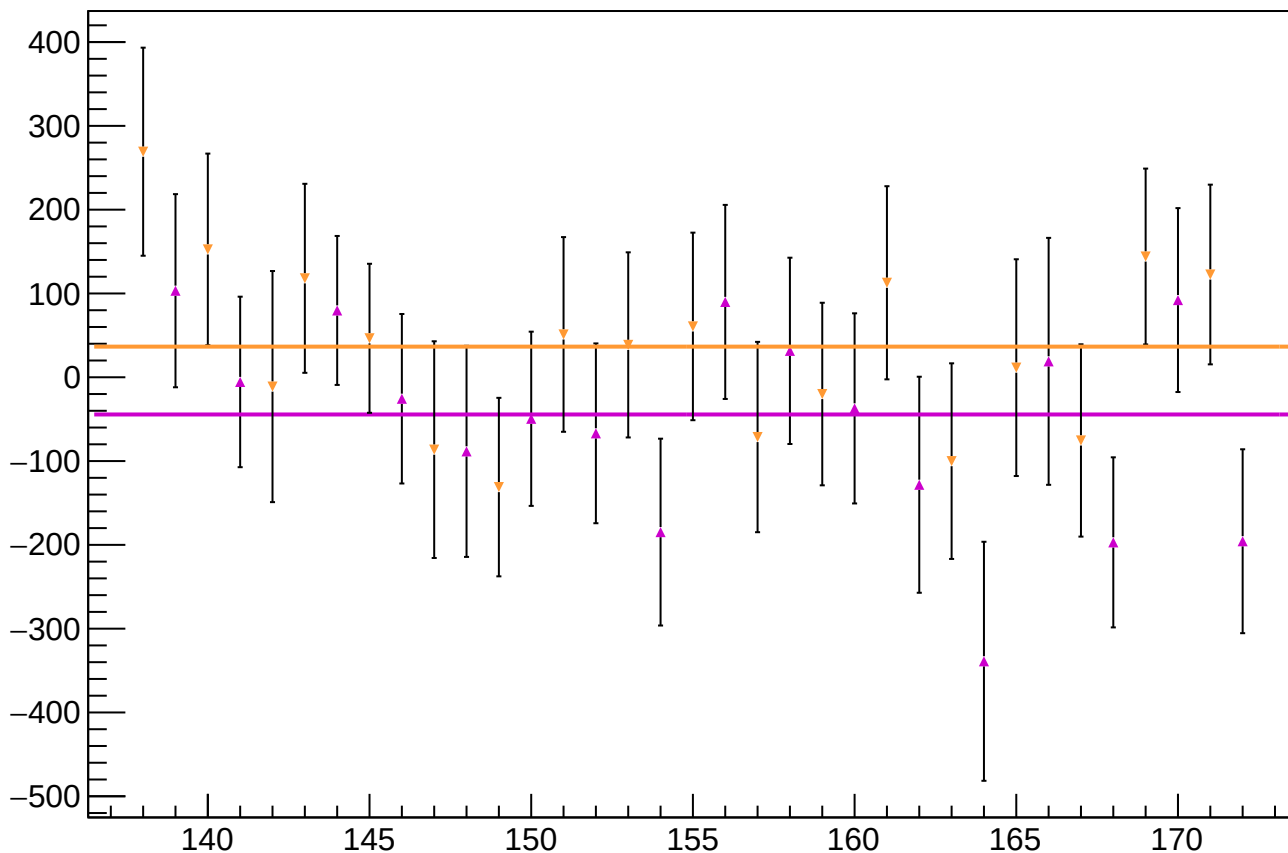
Left In: 493.369 ± 0.097 χ^2/NDF : 448993.6/16

+ sign 538.744 ± 0.088 χ^2/NDF : 2302210.7/34

All: 538.572 ± 0.062 χ^2/NDF : 4765079.7/70

- sign 538.402 ± 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: 36.562+/-26.660 χ^2/NDF :14.3/17

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

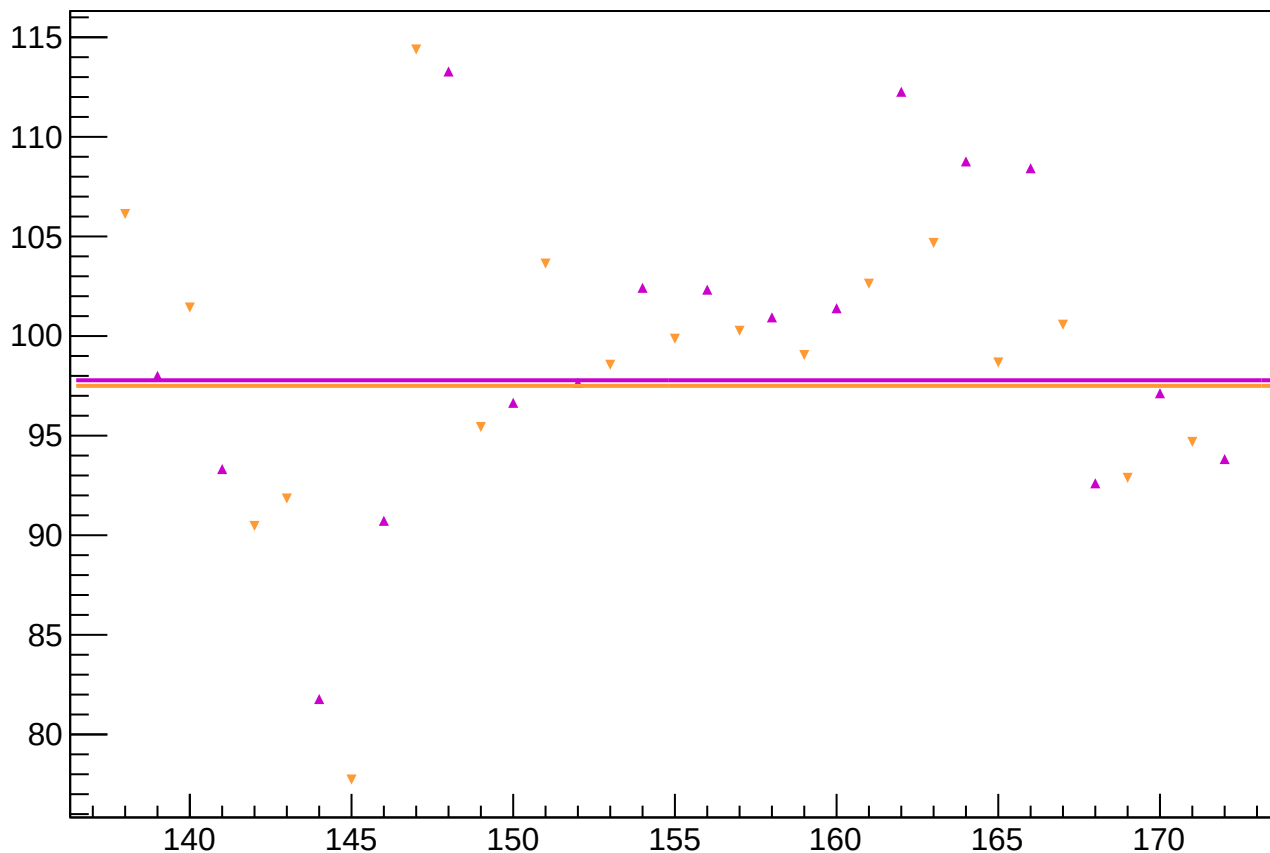
Left In: -44.402+/-27.007 χ^2/NDF :17.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -3.395+/-18.973 χ^2/NDF : 36.8/34

- 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: 97.500+/-0.019 χ^2/NDF : 182544.5/17

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

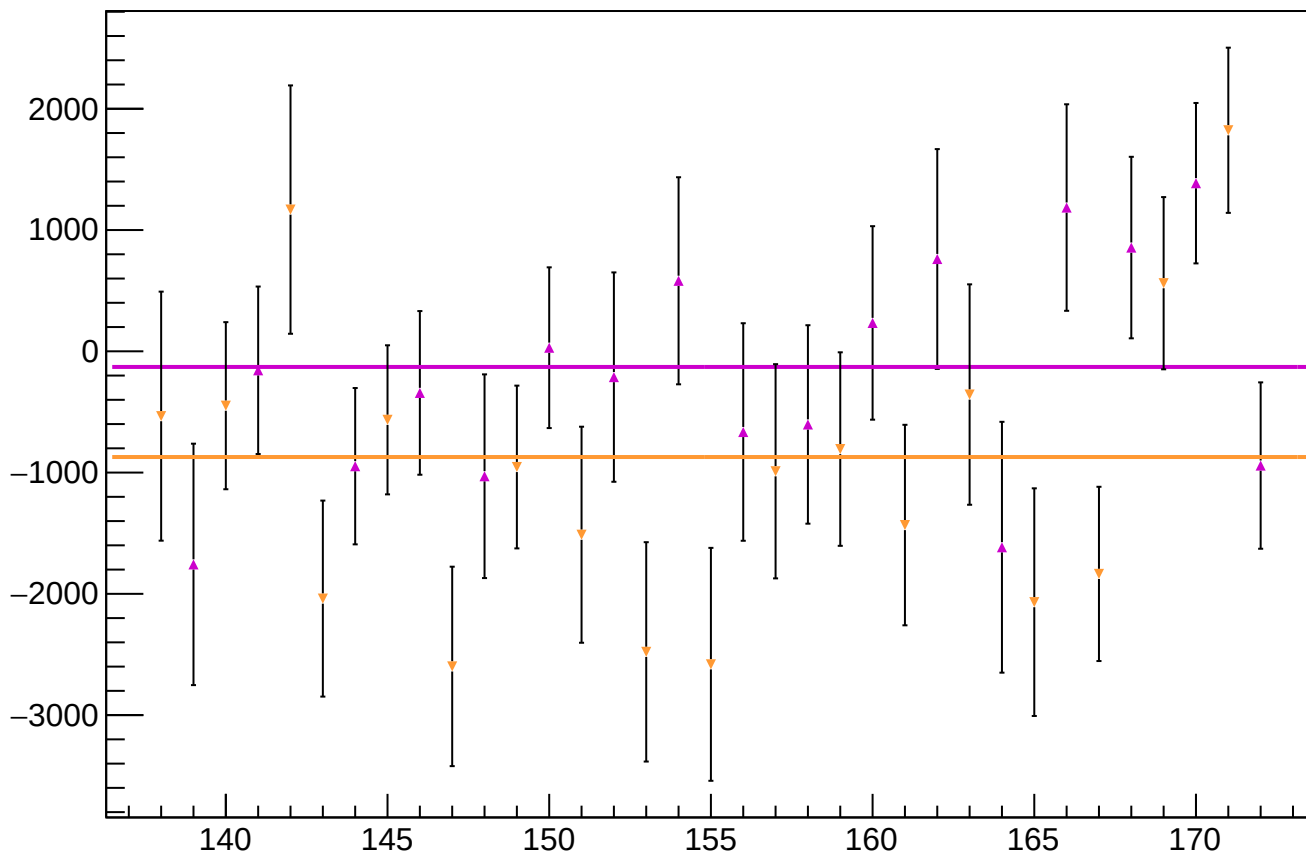
Left In: 97.780+/-0.019 χ^2/NDF : 174568.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 97.638+/-0.013 χ^2/NDF : 357222.4/34

- 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: -871.756+/-188.342 χ^2/NDF : 42.0/17

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

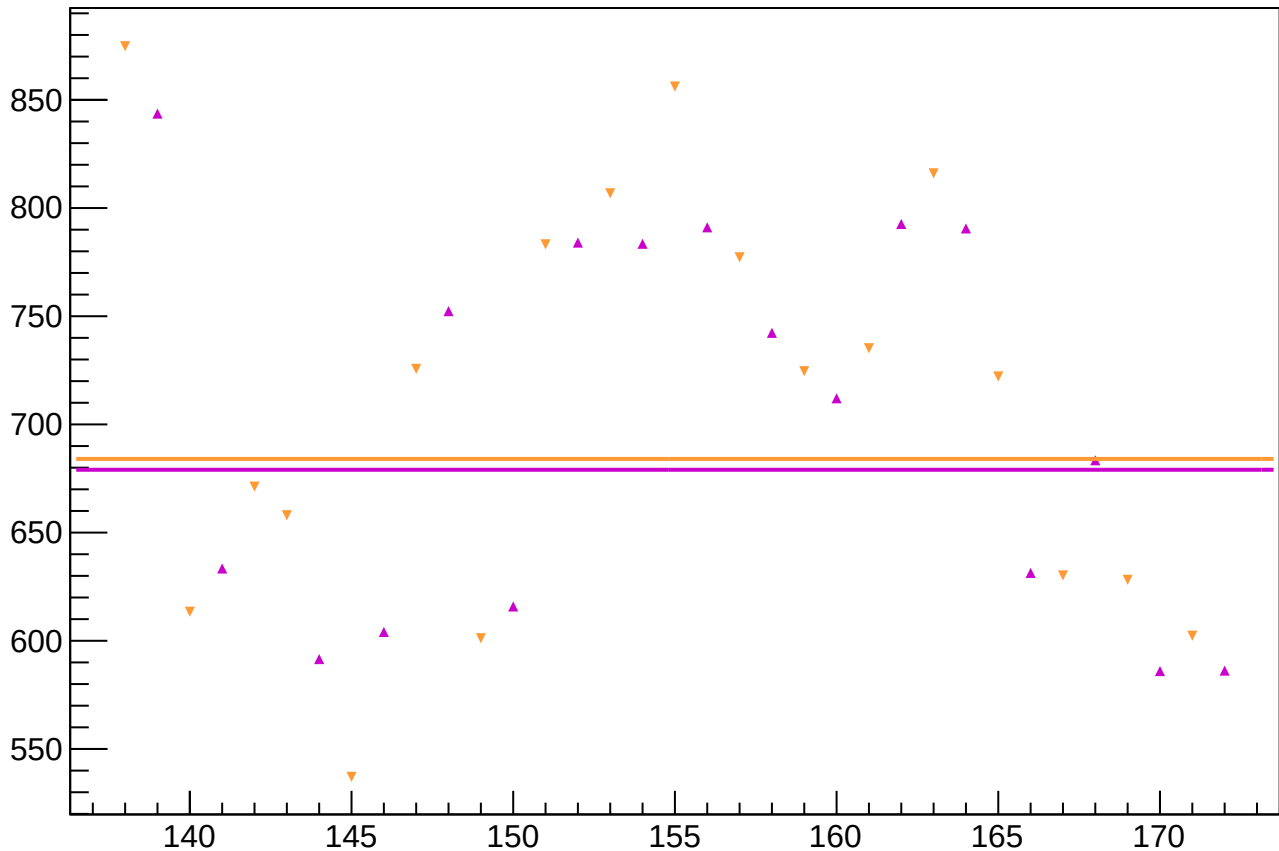
Left In: -128.922+/-188.466 χ^2/NDF : 21.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -500.583+/-133.222 χ^2/NDF : 70.8/34

- 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: 684.056+/-0.133 χ^2/NDF : 501149.8/17

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

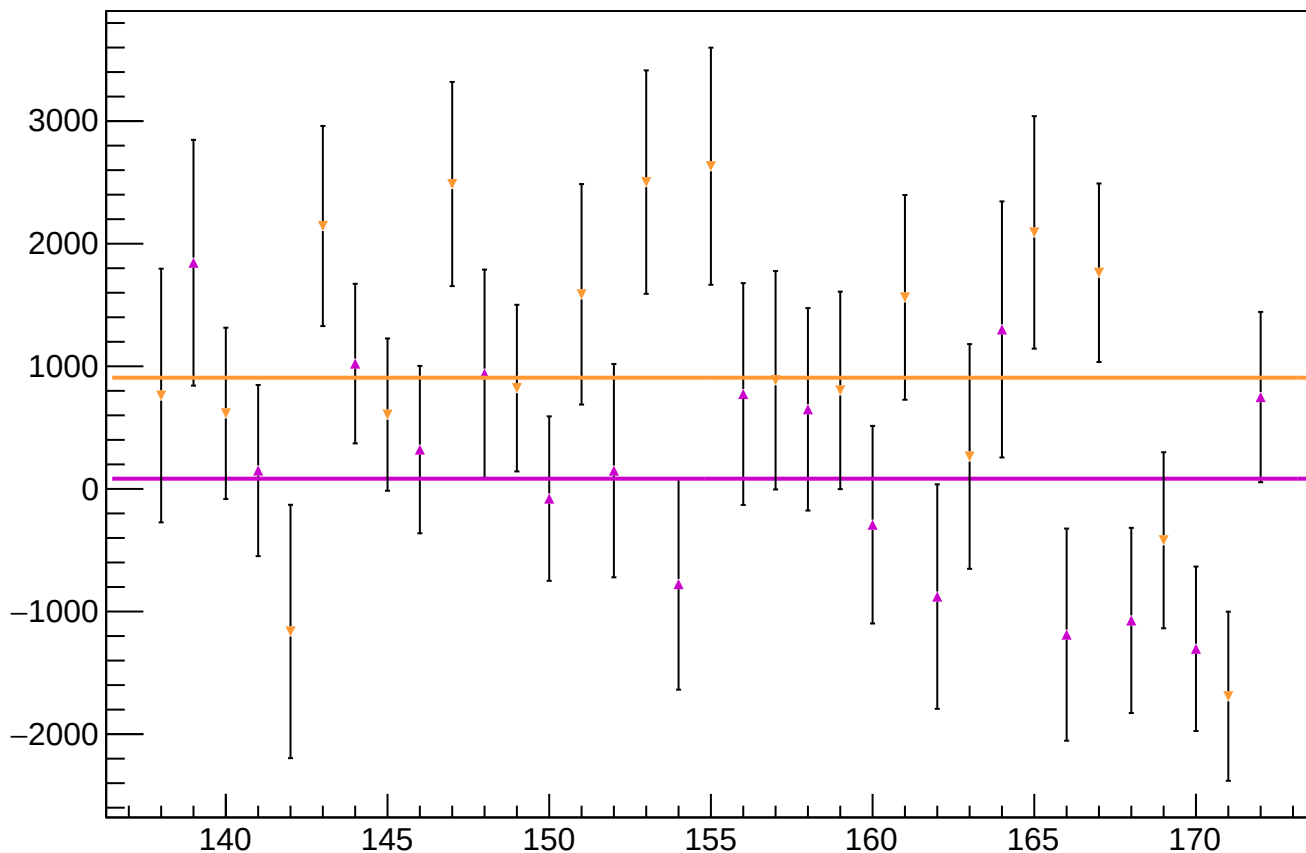
Left In: 679.044+/-0.133 χ^2/NDF : 401746.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 681.552+/-0.094 χ^2/NDF : 903604.2/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_mean vs Slug



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

Left Out: 907.088+/-190.341 χ^2/NDF :38.8/17

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

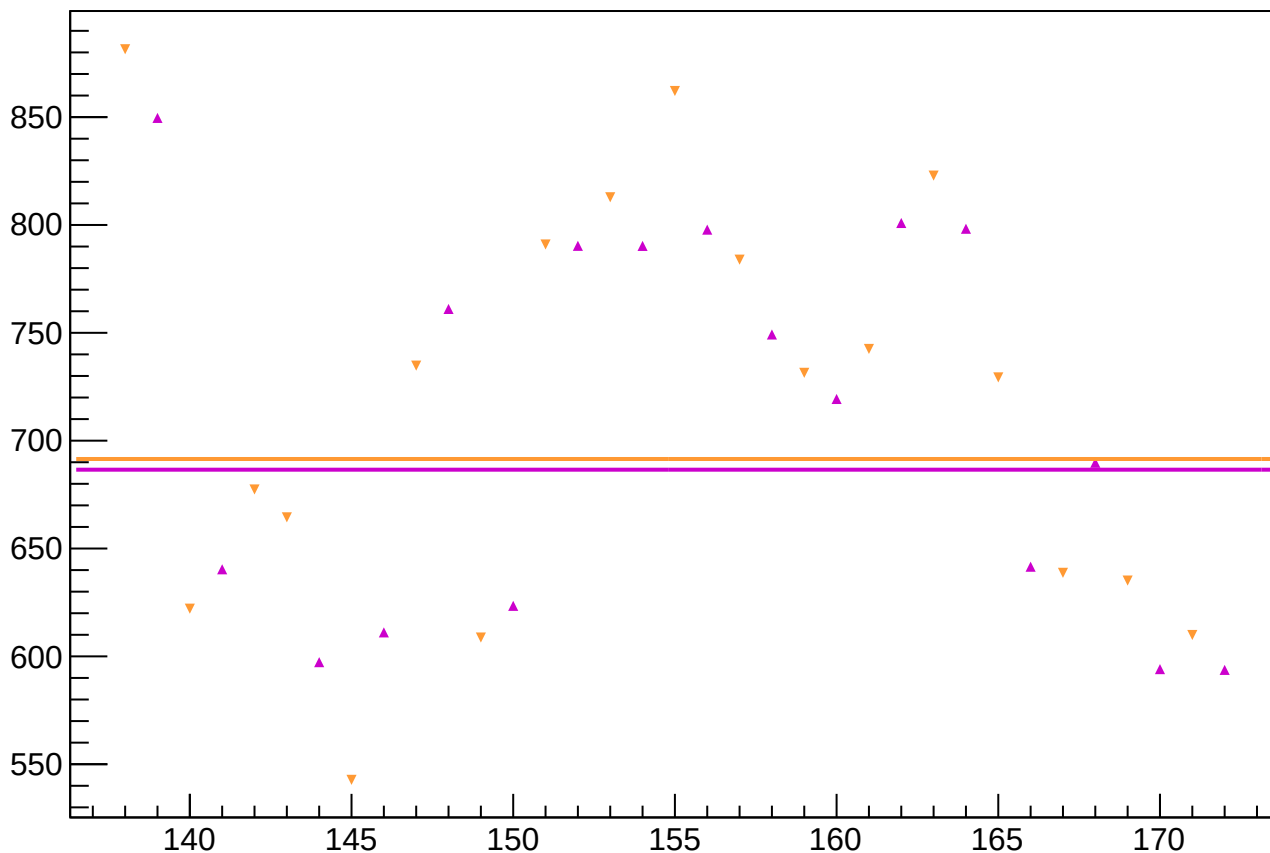
Left In: 83.471+/-190.505 χ^2/NDF :20.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 495.632+/-134.649 χ^2/NDF : 69.0/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_rms vs Slug



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

Left Out: 691.506+/-0.135 χ^2/NDF : 490741.8/17

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

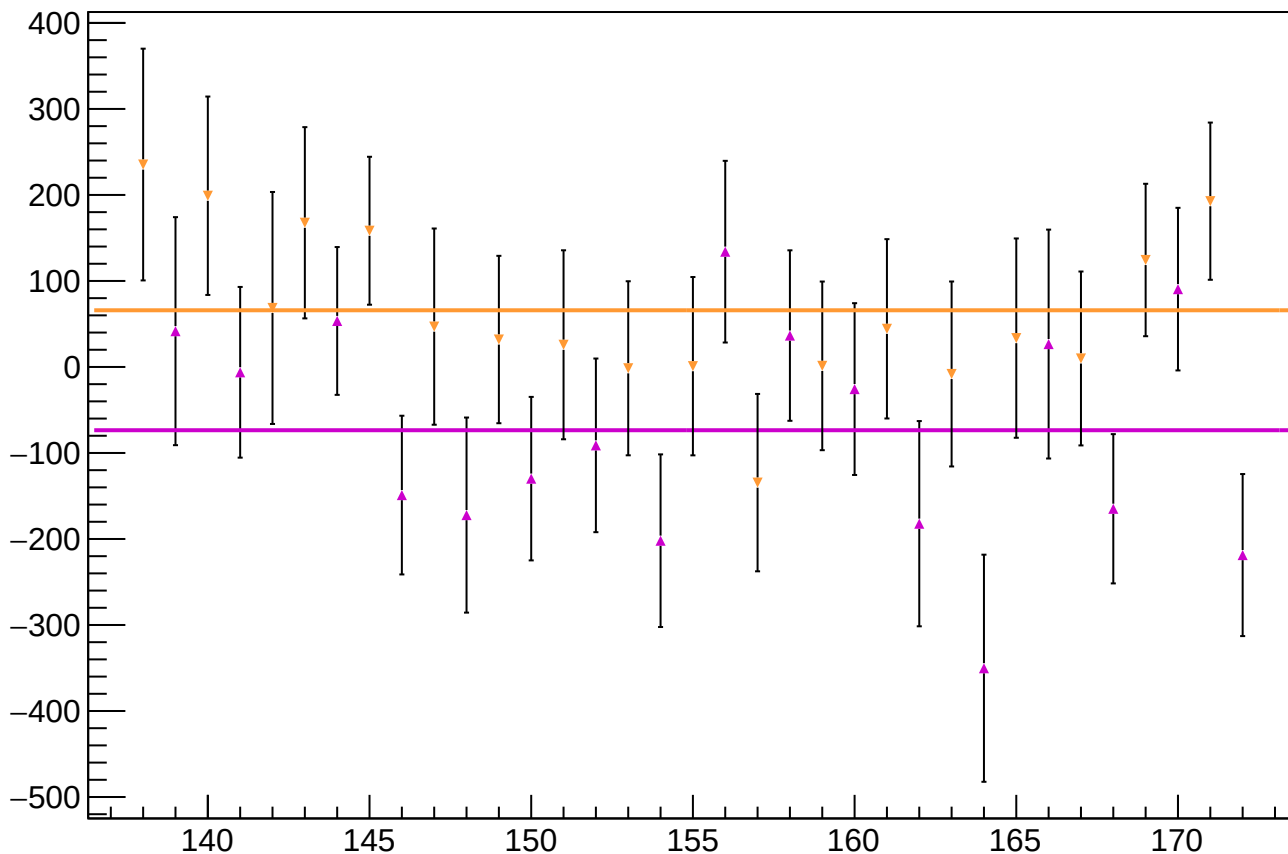
Left In: 686.549+/-0.135 χ^2/NDF : 392659.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 689.030+/-0.095 χ^2/NDF : 884078.9/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 65.906 $\pm$ 24.594 χ^2 /NDF:13.5/17

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

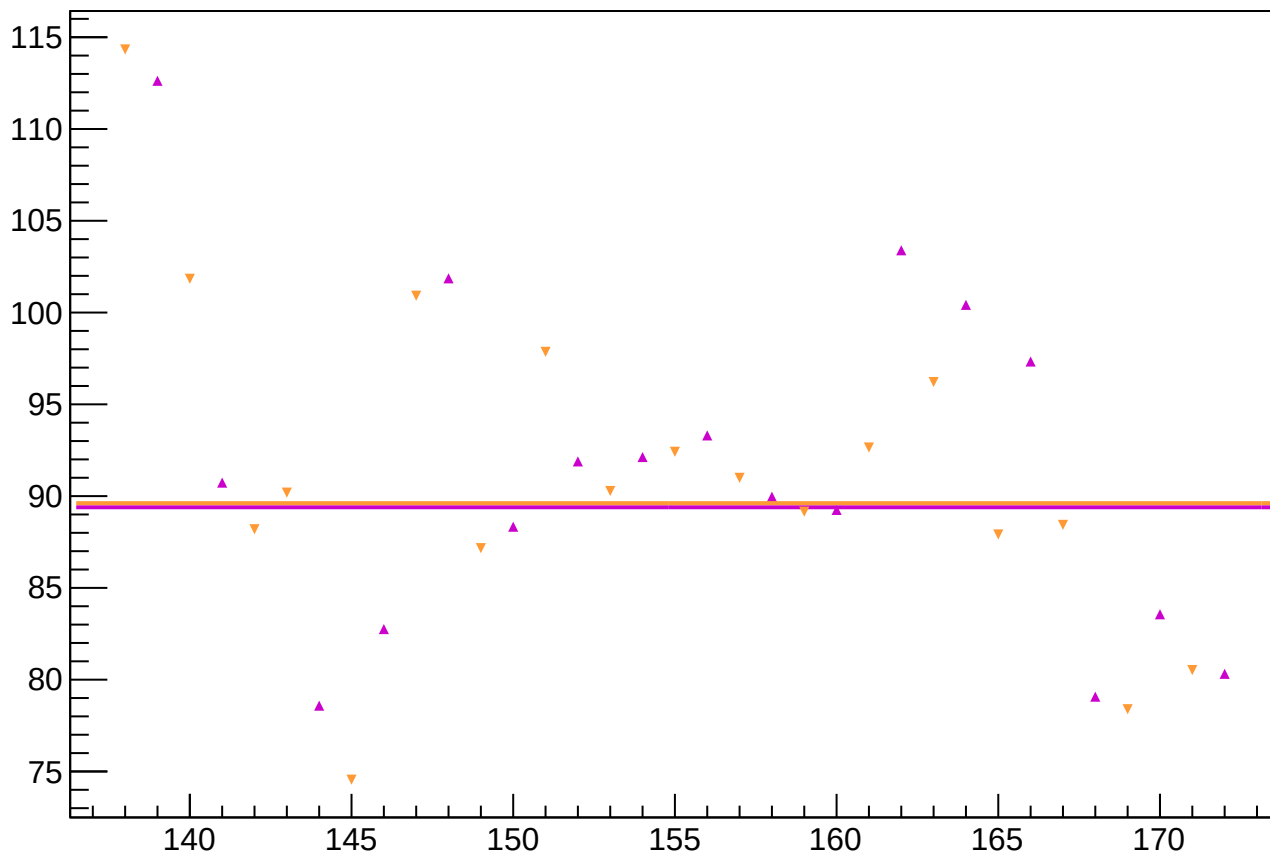
Left In: -73.555 $\pm$ 24.766 χ^2 /NDF:24.5/16

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

All: -3.337 $\pm$ 17.451 χ^2 /NDF: 53.9/34

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

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 89.616+/-0.017 χ^2/NDF : 247370.8/17

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

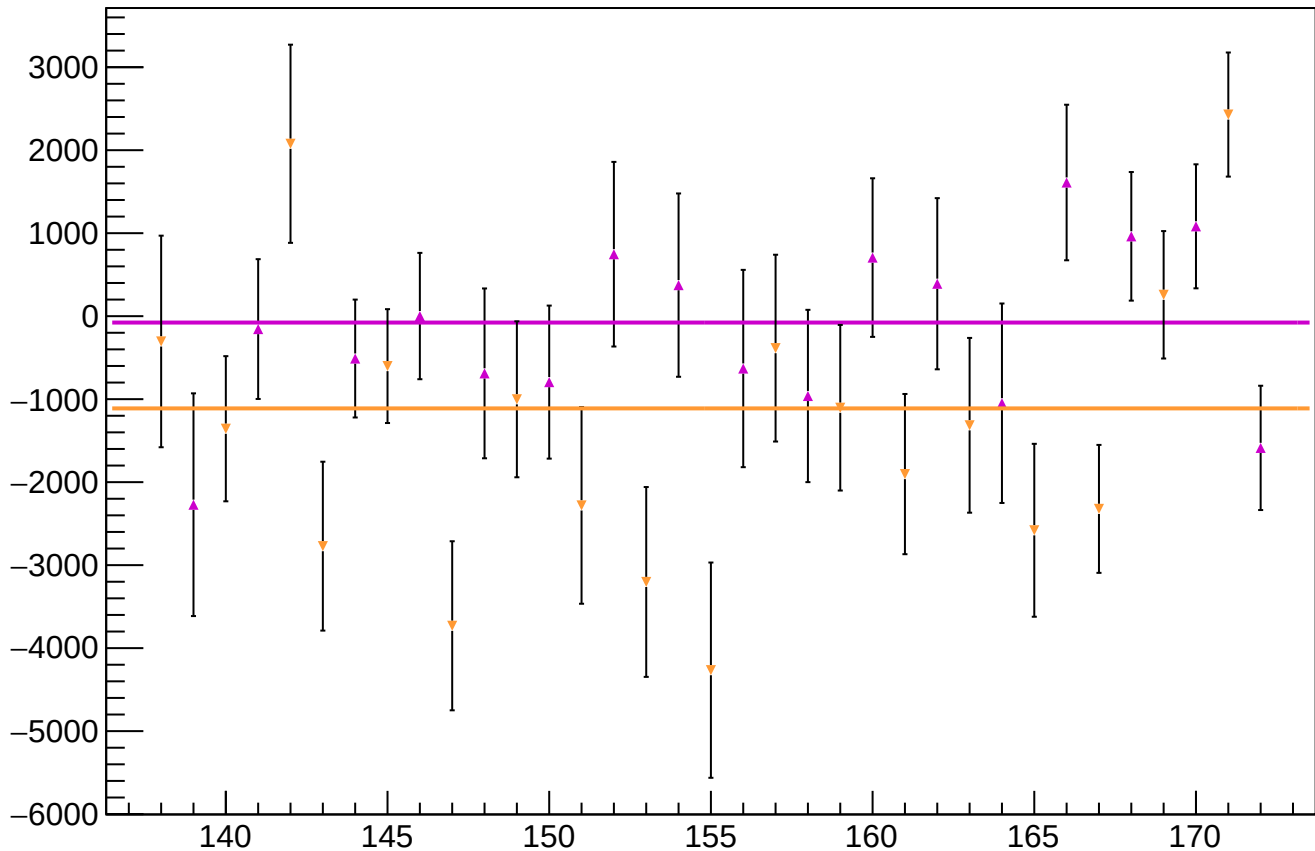
Left In: 89.392+/-0.018 χ^2/NDF : 236797.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 89.505+/-0.012 χ^2/NDF : 484251.1/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1111.361 $\pm$ 225.063 χ^2 /NDF:58.9/17

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

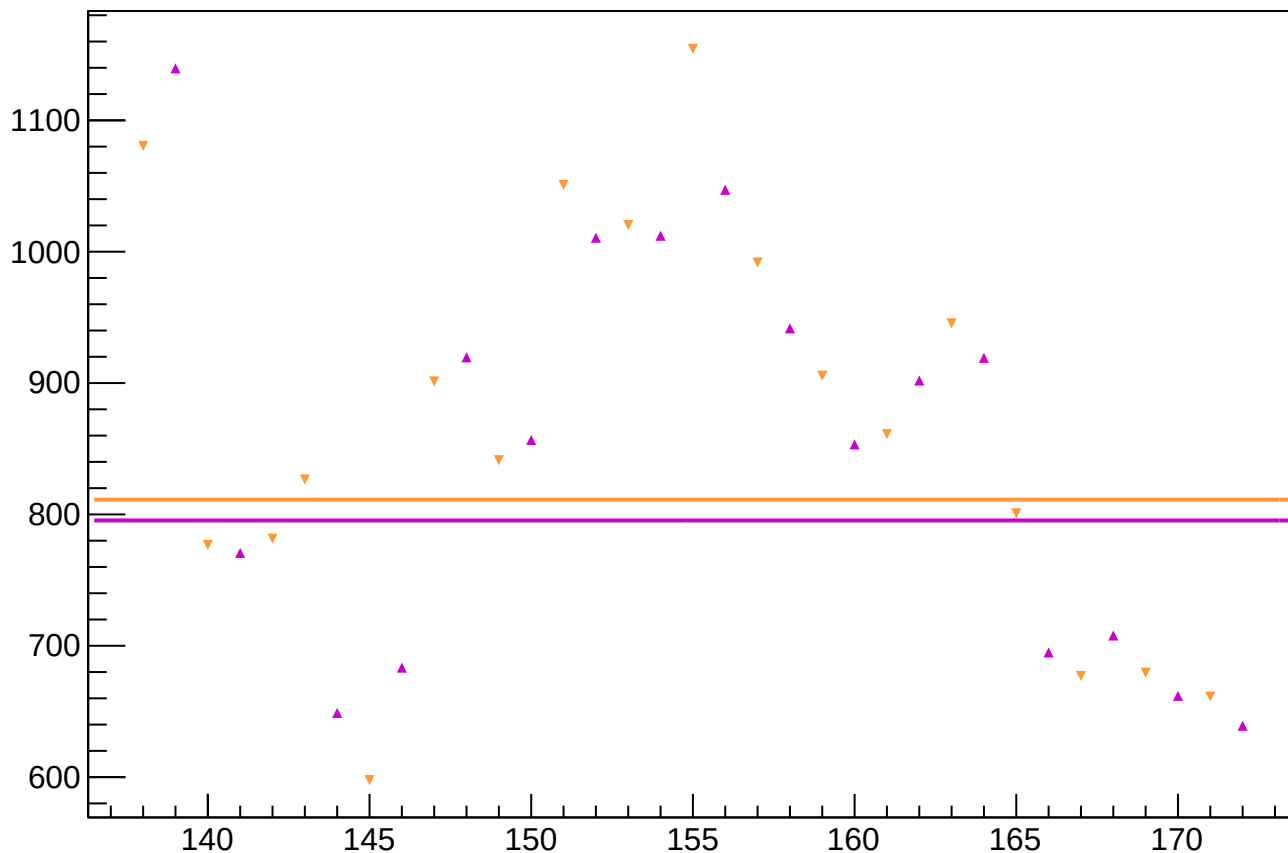
Left In: -76.922 $\pm$ 222.635 χ^2 /NDF:18.7/16

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

All: -588.530 $\pm$ 158.278 χ^2 /NDF: 88.3/34

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

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 811.273+/-0.159 χ^2/NDF : 901434.9/17

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

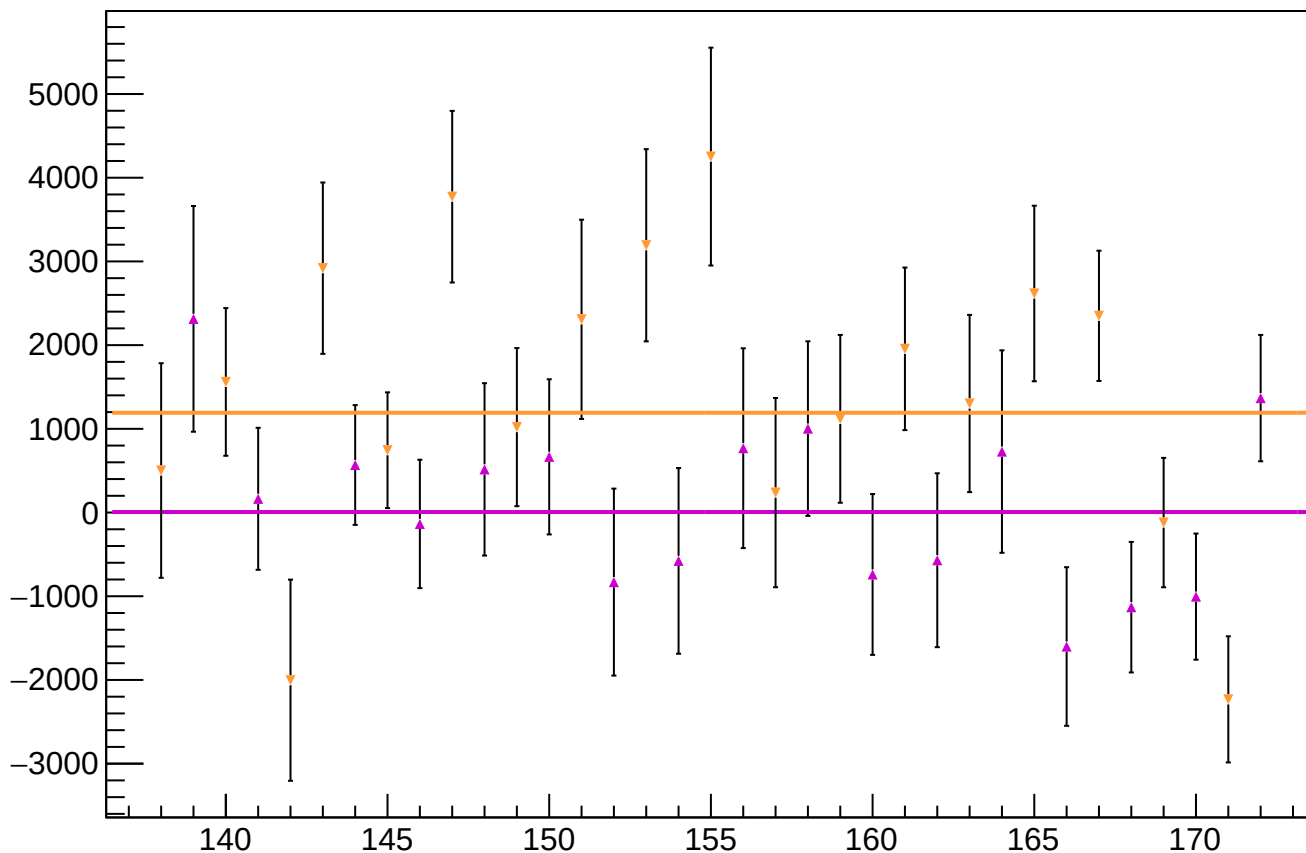
Left In: 795.406+/-0.157 χ^2/NDF : 830778.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 803.253+/-0.112 χ^2/NDF : 1737238.2/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_mean vs Slug



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

Left Out: 1192.155+/-226.535 χ^2/NDF : 55.6/17

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

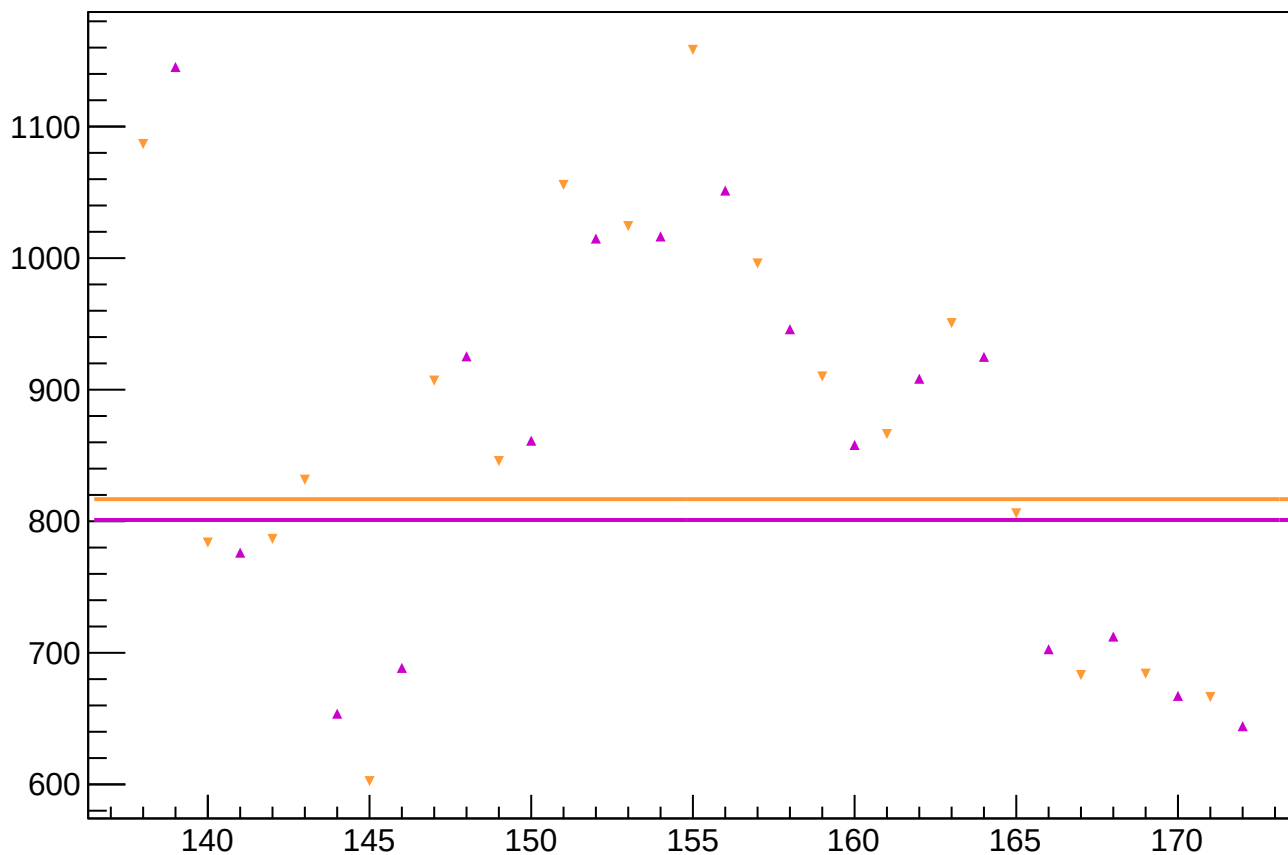
Left In: 6.092+/-224.136 χ^2/NDF : 17.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 592.810+/-159.329 χ^2/NDF : 87.3/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_rms vs Slug



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

Left Out: 816.782+/-0.160 χ^2/NDF : 888841.6/17

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

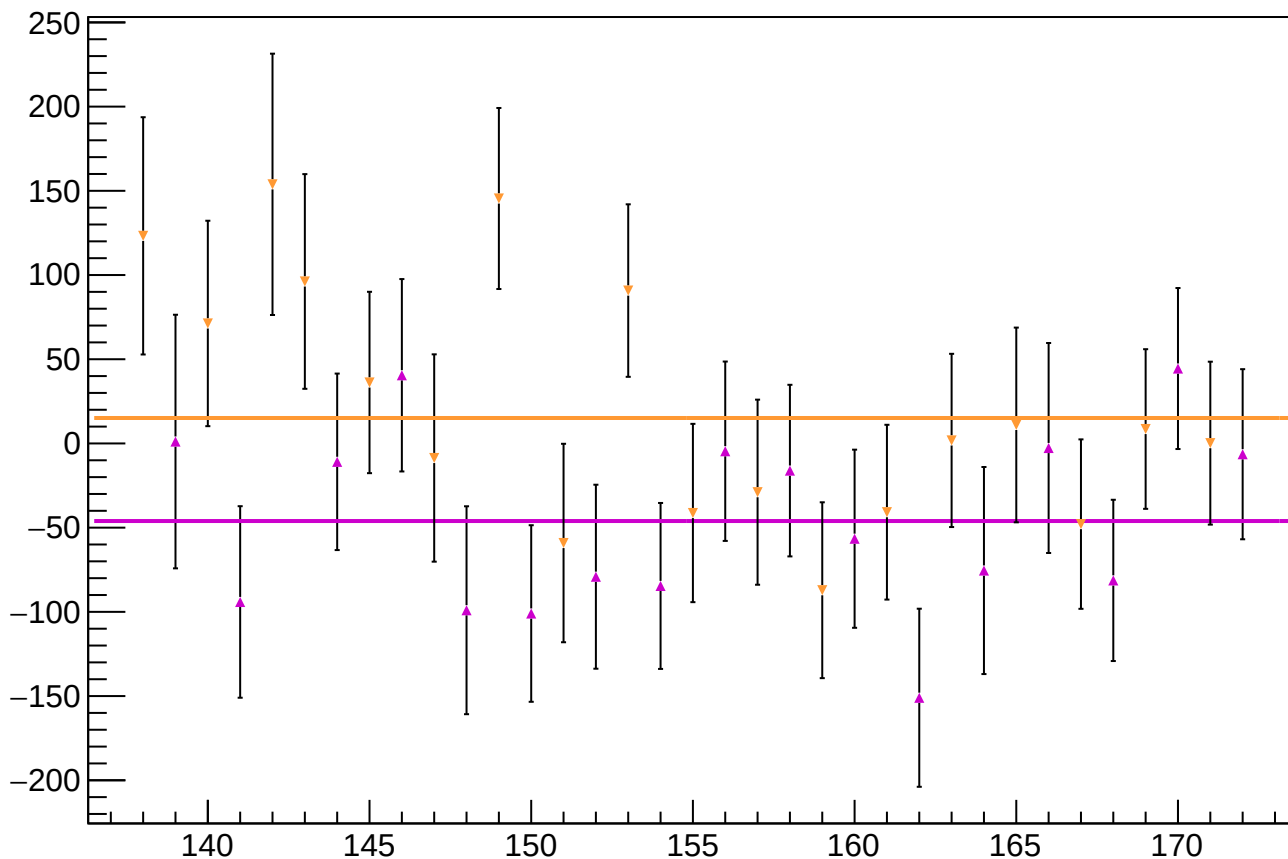
Left In: 800.968+/-0.158 χ^2/NDF : 818870.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 808.791+/-0.113 χ^2/NDF : 1712637.3/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 15.110+/-13.043 χ^2/NDF : 26.5/17

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

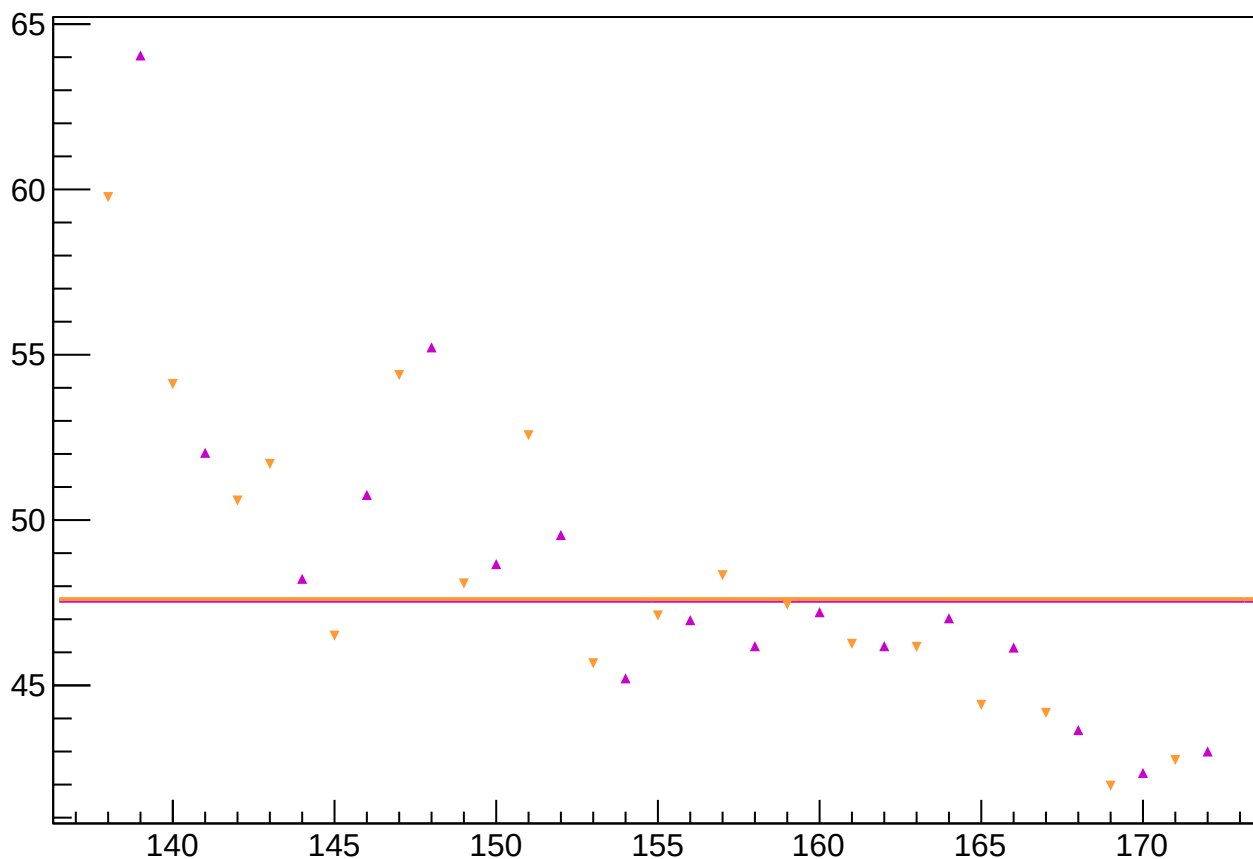
Left In: -46.069+/-13.164 χ^2/NDF : 17.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.197+/-9.265 χ^2/NDF : 54.5/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 47.610+/-0.009 χ^2/NDF : 203313.0/17

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

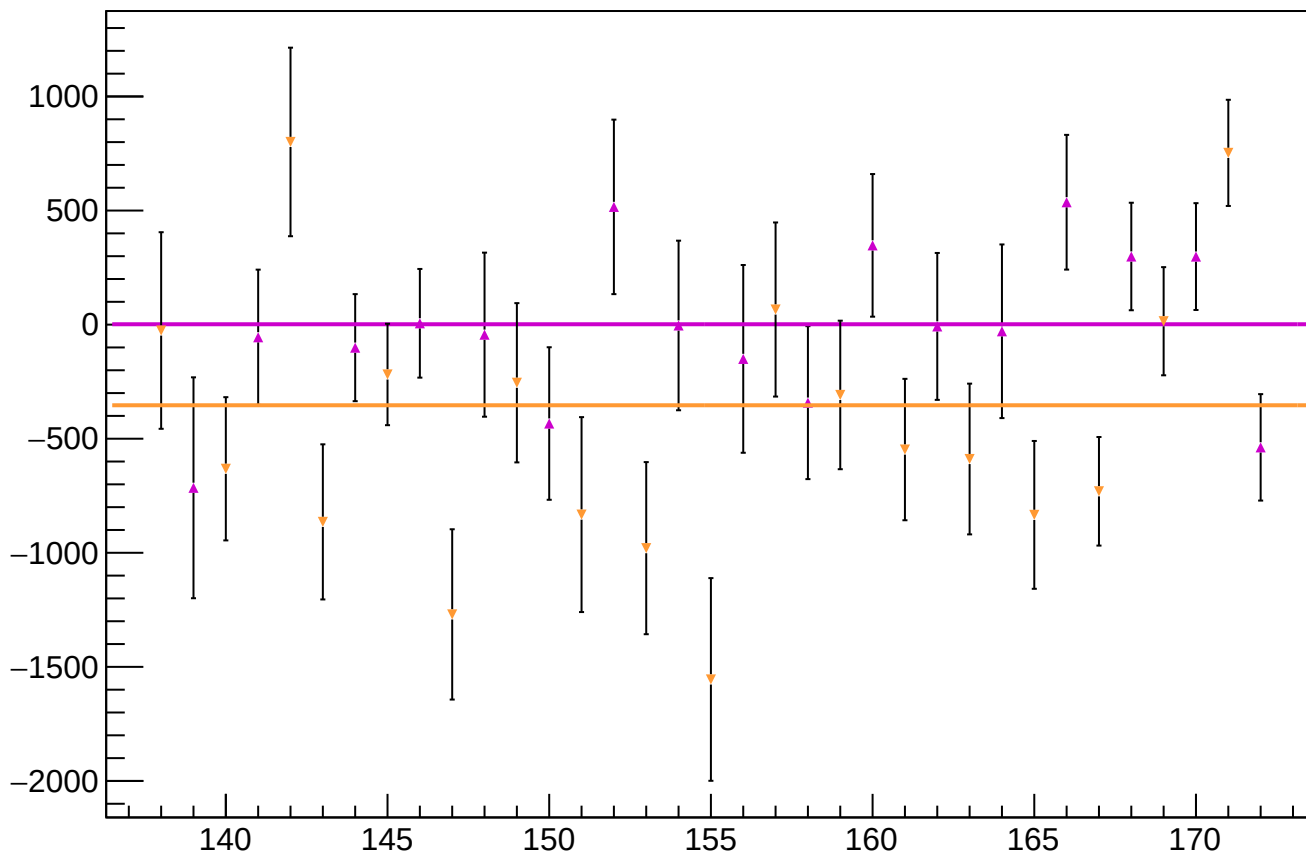
Left In: 47.561+/-0.009 χ^2/NDF : 211532.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.586+/-0.007 χ^2/NDF : 414859.2/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -353.403+/-74.005 χ^2/NDF : 61.1/17

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

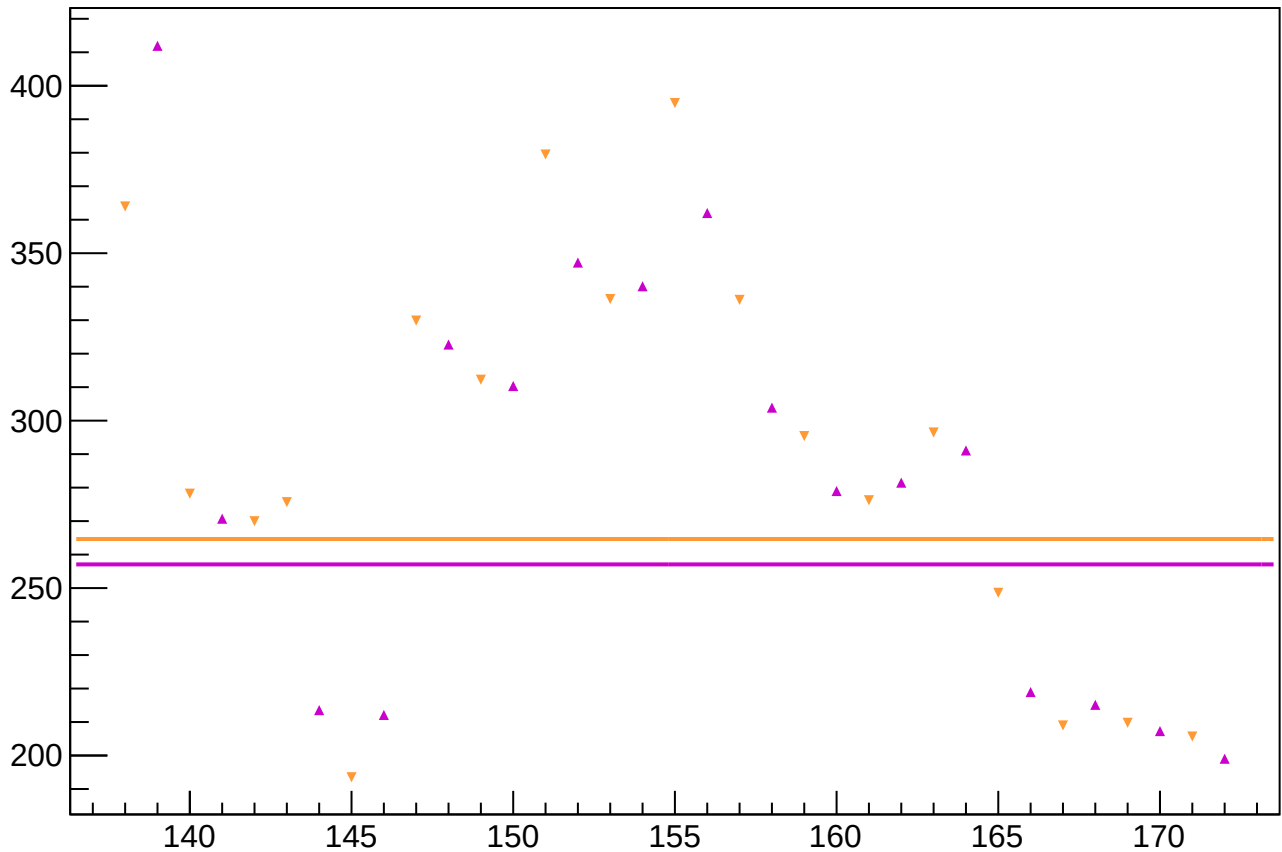
Left In: 1.666+/-72.563 χ^2/NDF : 20.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -172.375+/-51.812 χ^2/NDF : 93.0/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 264.656+/-0.052 χ^2/NDF :1263319.8/17

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

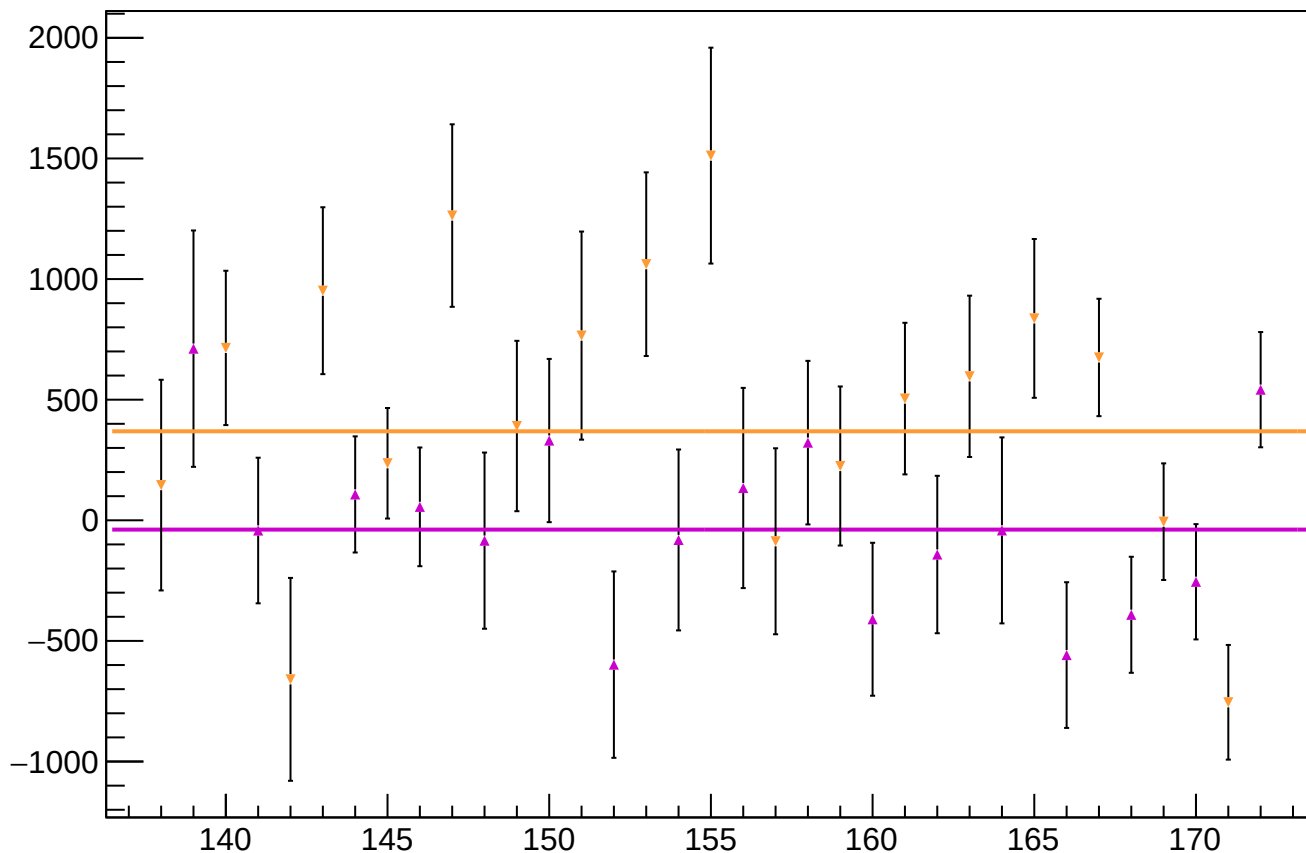
Left In: 257.071+/-0.051 χ^2/NDF :1194641.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 260.789+/-0.037 χ^2/NDF : 2468673.8/34

- 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: 368.945 $\pm$ 75.318 χ^2 /NDF:57.4/17

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

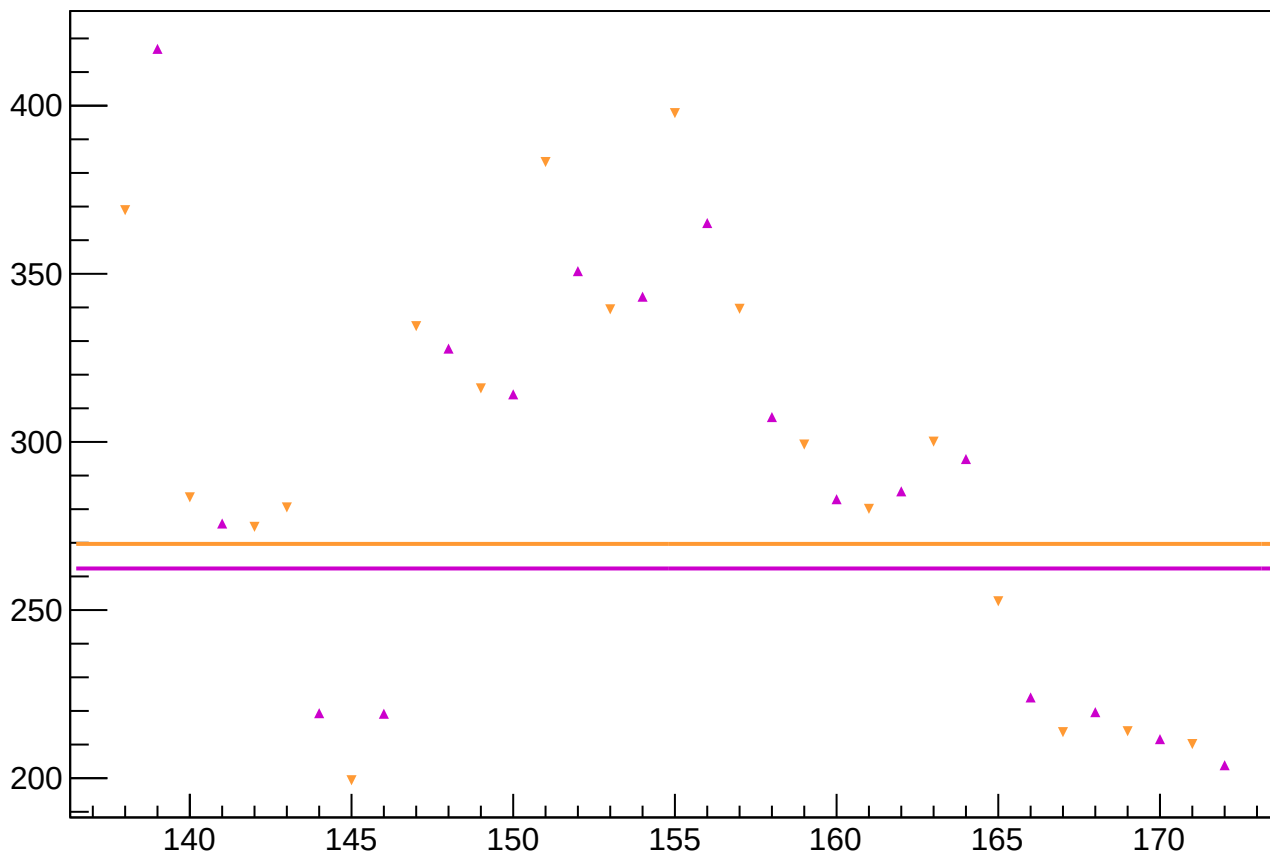
Left In: -38.556 $\pm$ 73.959 χ^2 /NDF:20.8/16

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

All: 161.487 $\pm$ 52.771 χ^2 /NDF: 93.1/34

- 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: 269.676+/-0.053 χ^2/NDF :1203706.5/17

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

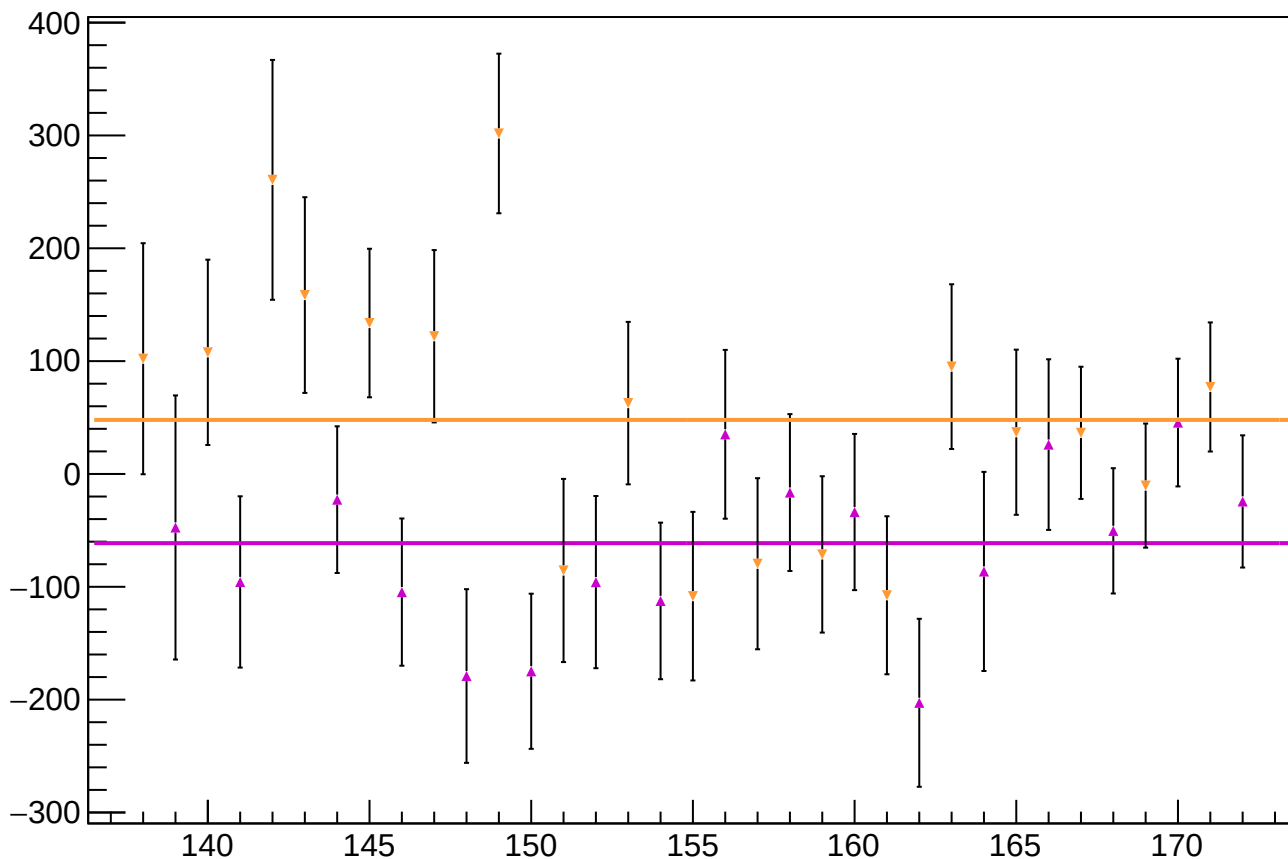
Left In: 262.365+/-0.052 χ^2/NDF :1133172.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 265.954+/-0.037 χ^2/NDF : 2346472.3/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 47.891 $\pm$ 16.952 χ^2 /NDF:41.7/17

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

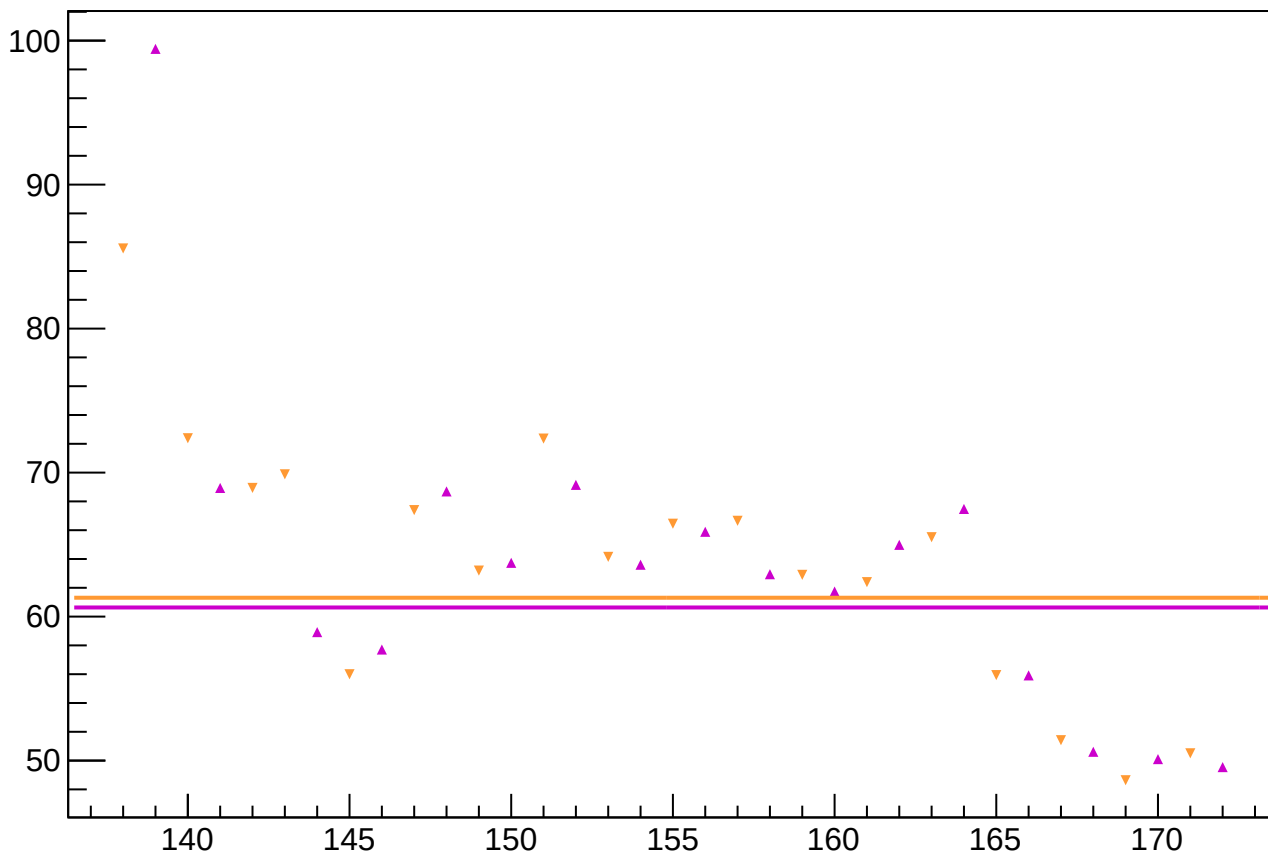
Left In: -61.314 $\pm$ 16.941 χ^2 /NDF:18.1/16

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

All: -6.746 $\pm$ 11.983 χ^2 /NDF: 80.5/34

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

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 61.310+/-0.012 χ^2/NDF : 518890.4/17

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

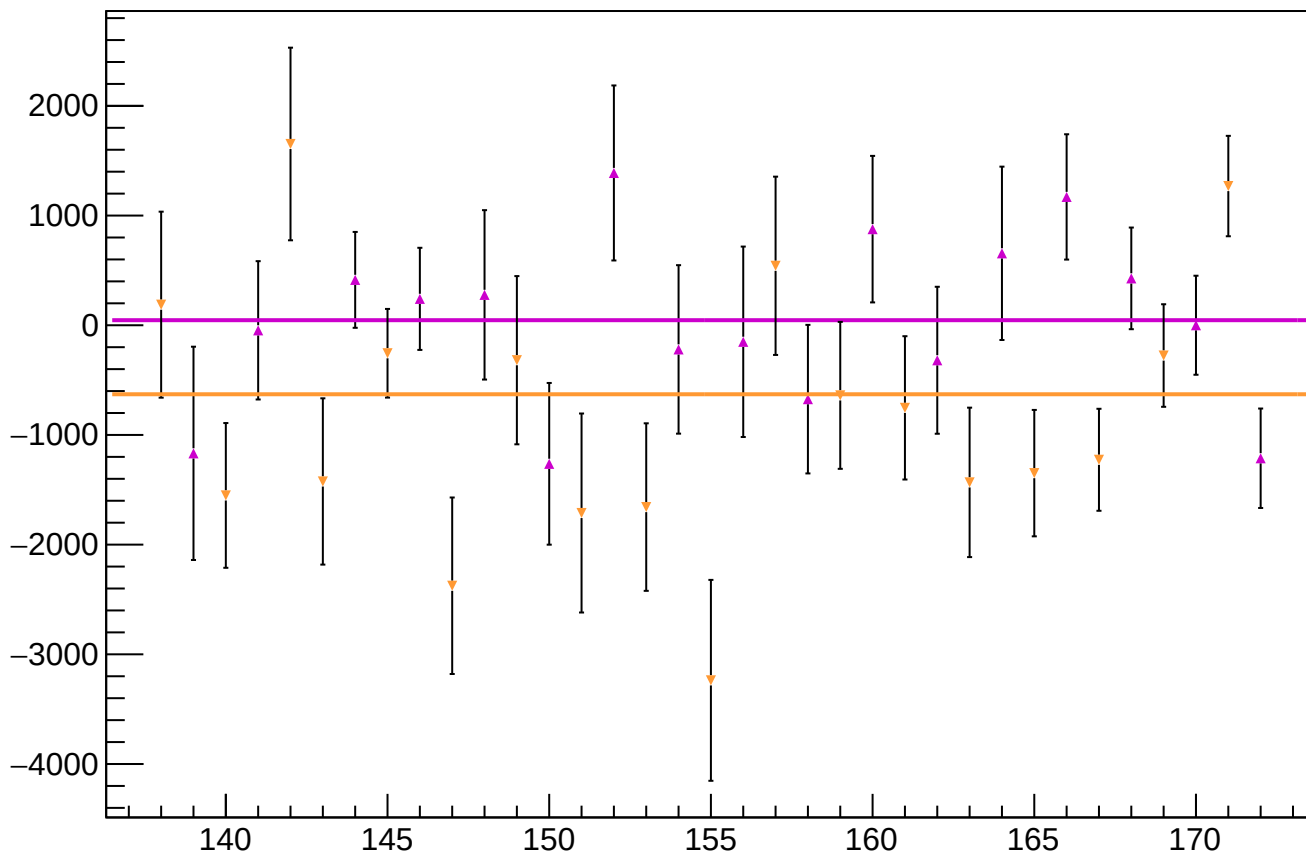
Left In: 60.633+/-0.012 χ^2/NDF : 548961.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 60.971+/-0.008 χ^2/NDF : 1069446.8/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -629.143 $\pm$ 148.343 χ^2 /NDF:52.3/17

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

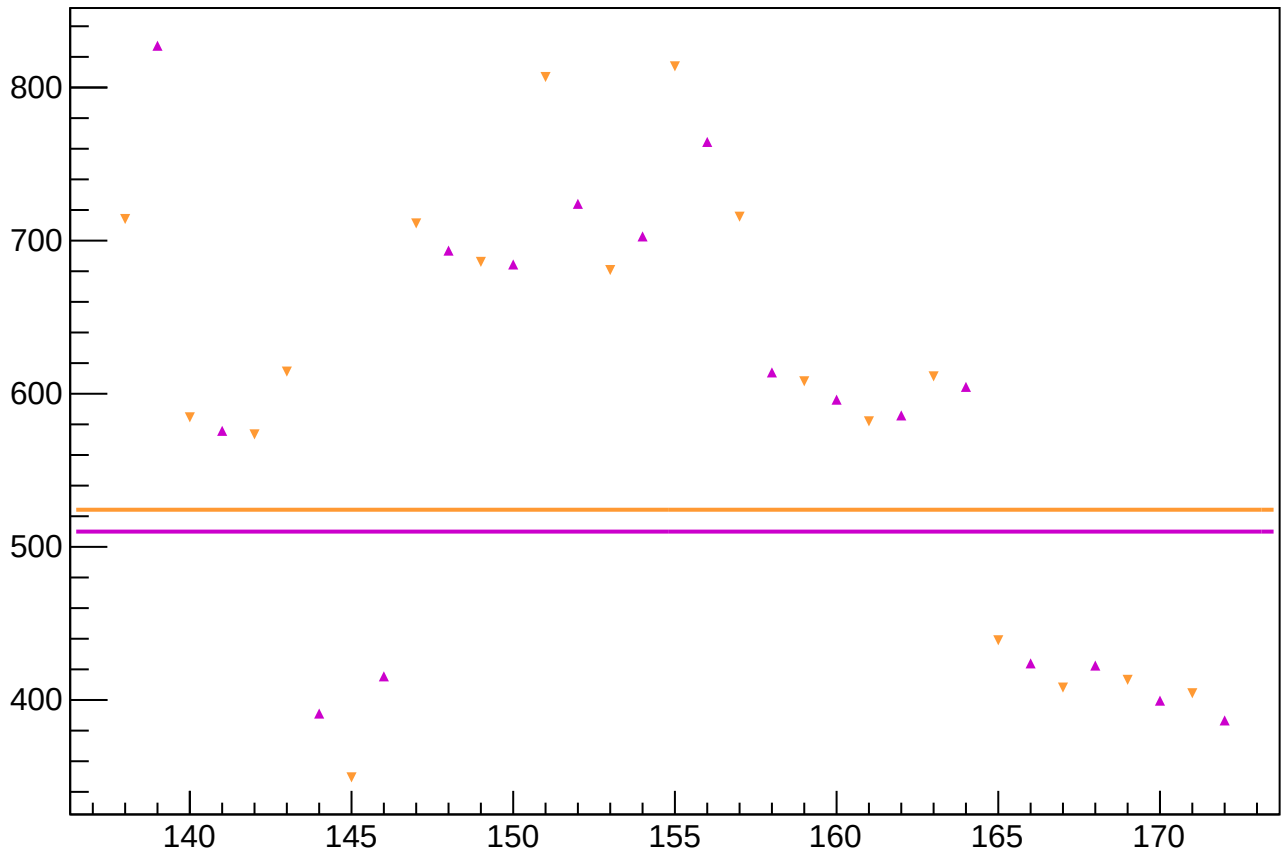
Left In: 46.151 $\pm$ 145.429 χ^2 /NDF:24.5/16

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

All: -284.798 $\pm$ 103.849 χ^2 /NDF: 87.4/34

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

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 524.252+/-0.105 χ^2/NDF : 1810134.5/17

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

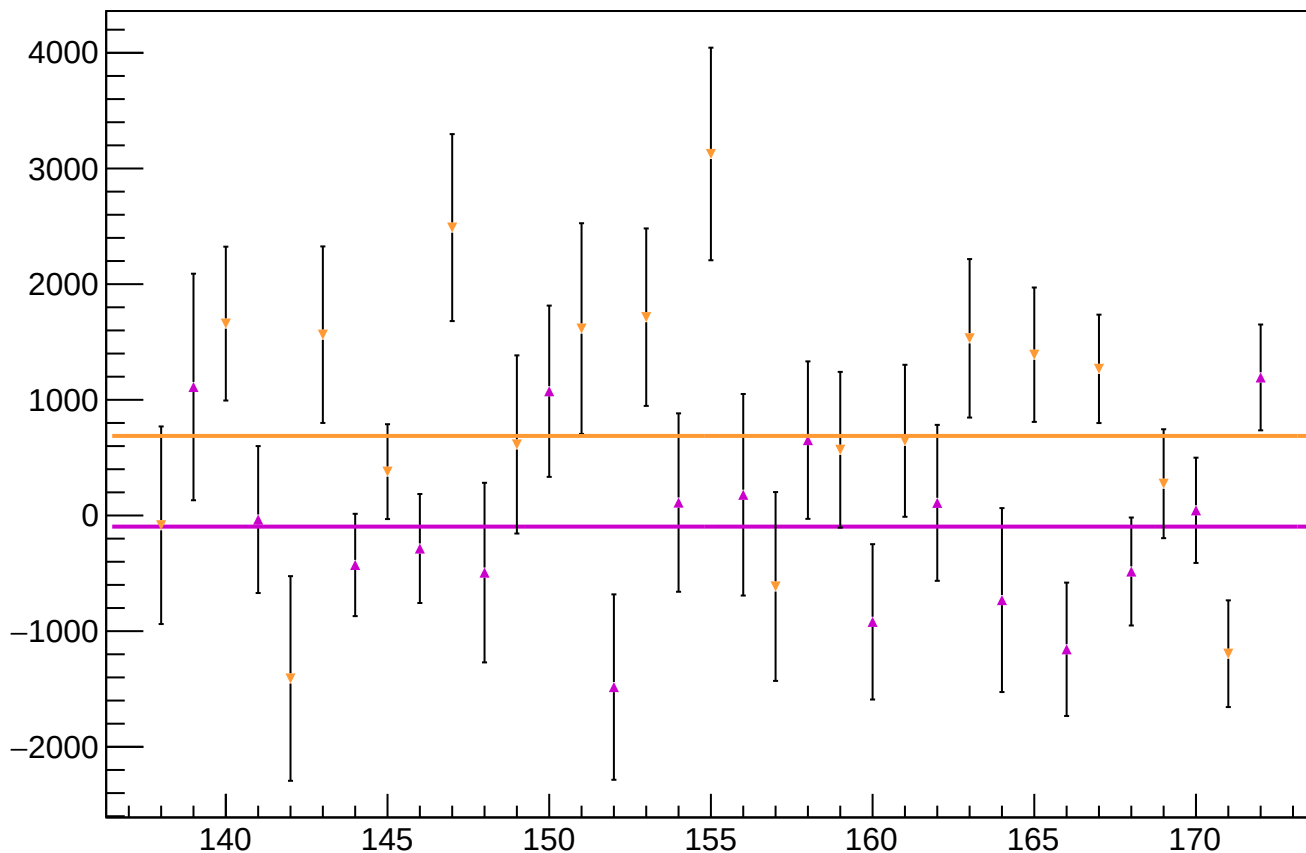
Left In: 509.972+/-0.103 χ^2/NDF : 1651065.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 516.971+/-0.073 χ^2/NDF : 3470650.2/34

- 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: 687.921+/-149.466 χ^2/NDF : 49.8/17

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

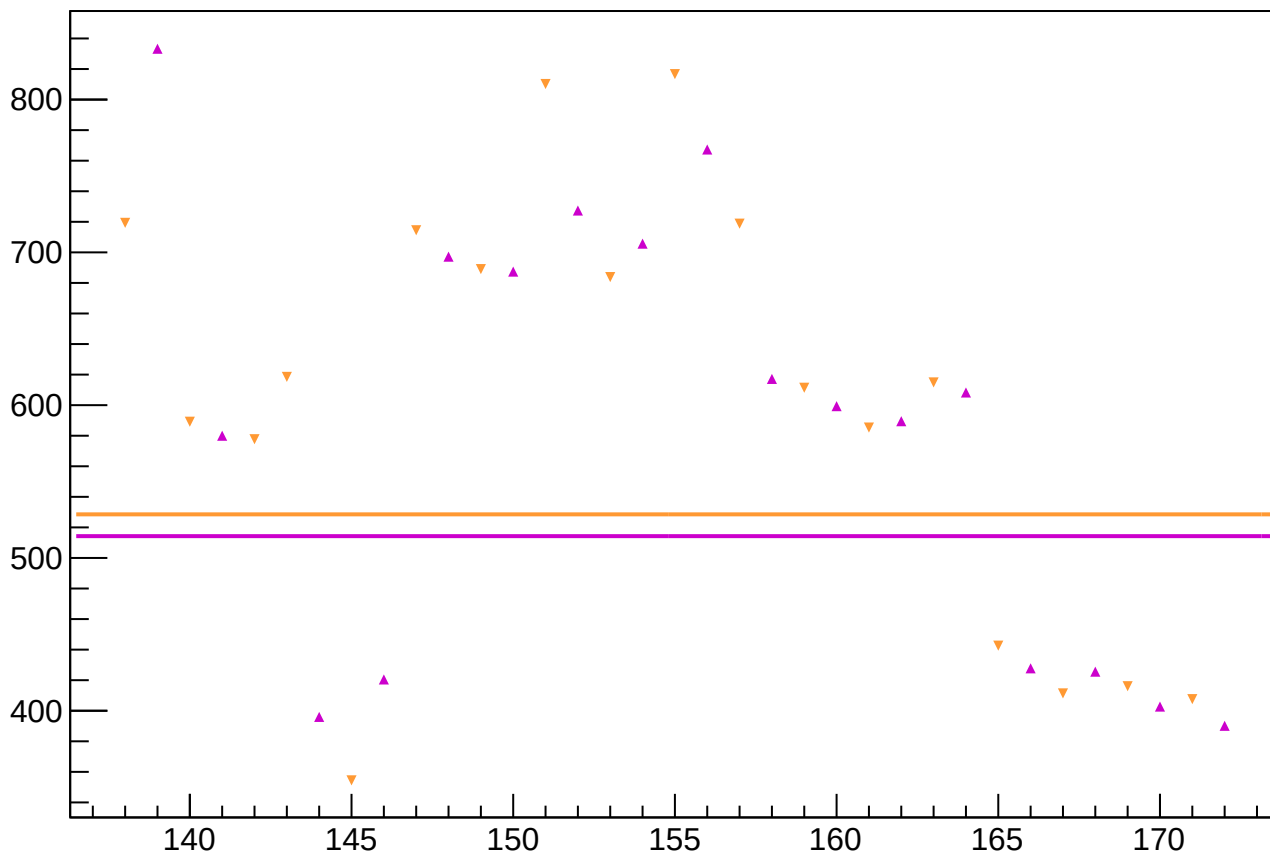
Left In: -96.194+/-146.576 χ^2/NDF : 23.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 288.208+/-104.652 χ^2/NDF : 87.6/34

- 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: 528.537+/-0.106 χ^2/NDF :1779633.4/17

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

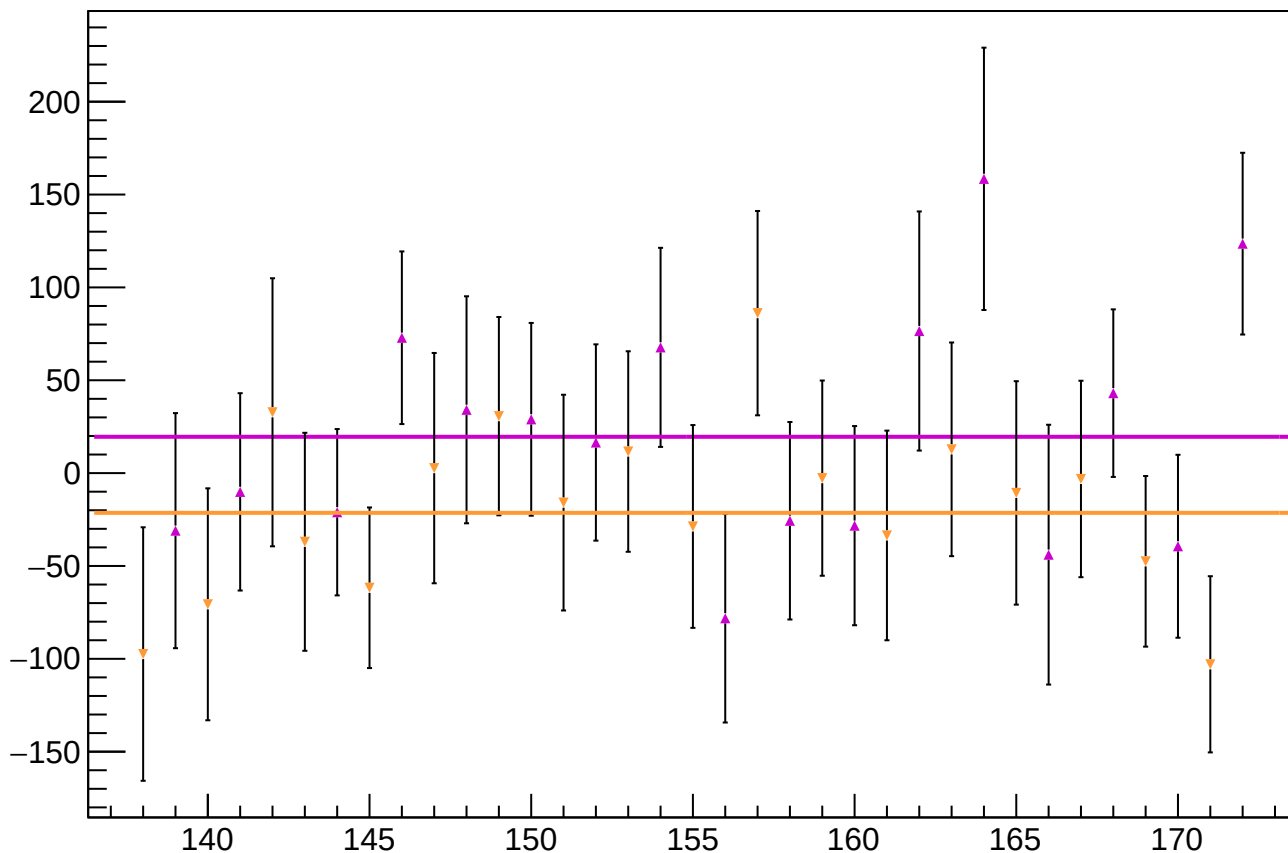
Left In: 514.277+/-0.104 χ^2/NDF :1625142.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 521.268+/-0.074 χ^2/NDF : 3414056.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -21.386+/-12.981 χ^2/NDF : 12.6/17

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

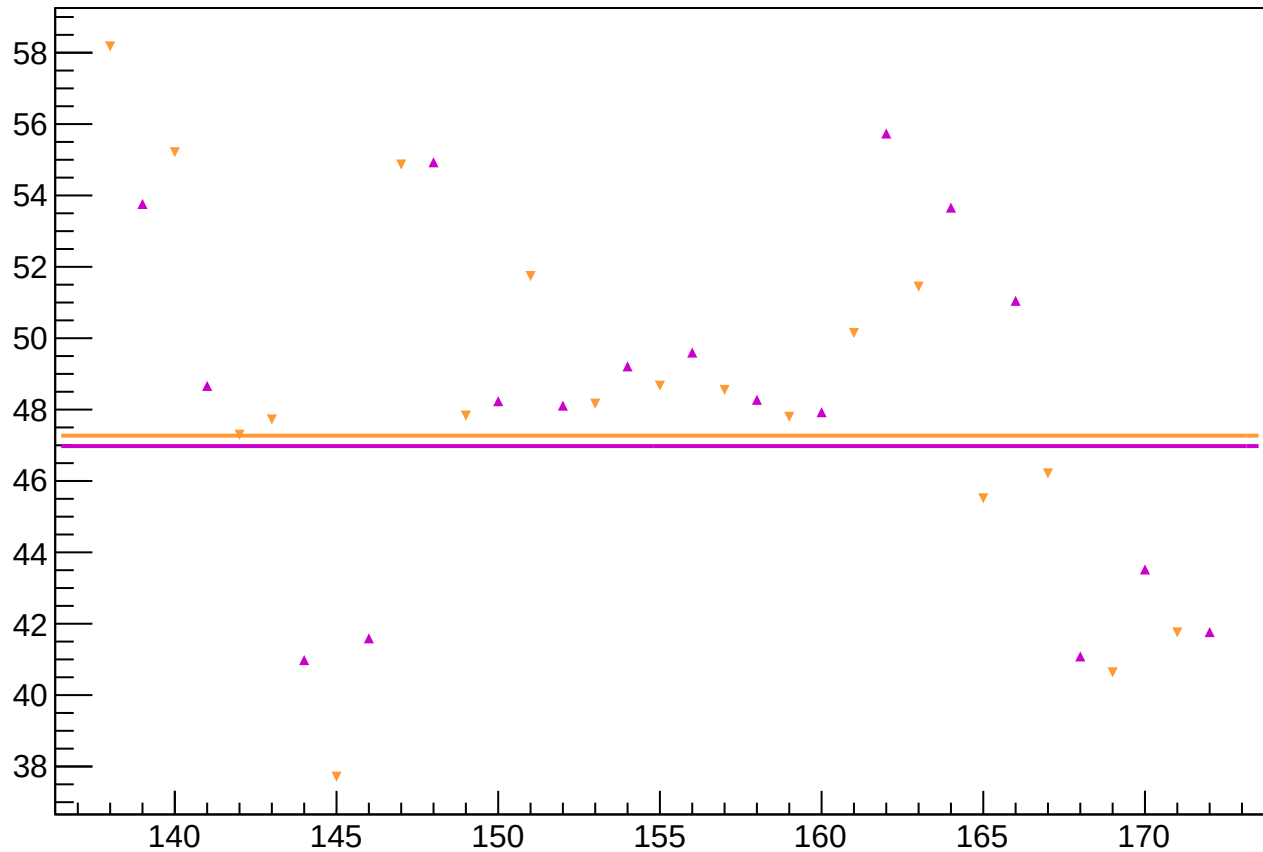
Left In: 19.561+/-13.023 χ^2/NDF : 20.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.979+/-9.194 χ^2/NDF : 37.8/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 47.270+/-0.009 χ^2/NDF : 313381.2/17

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

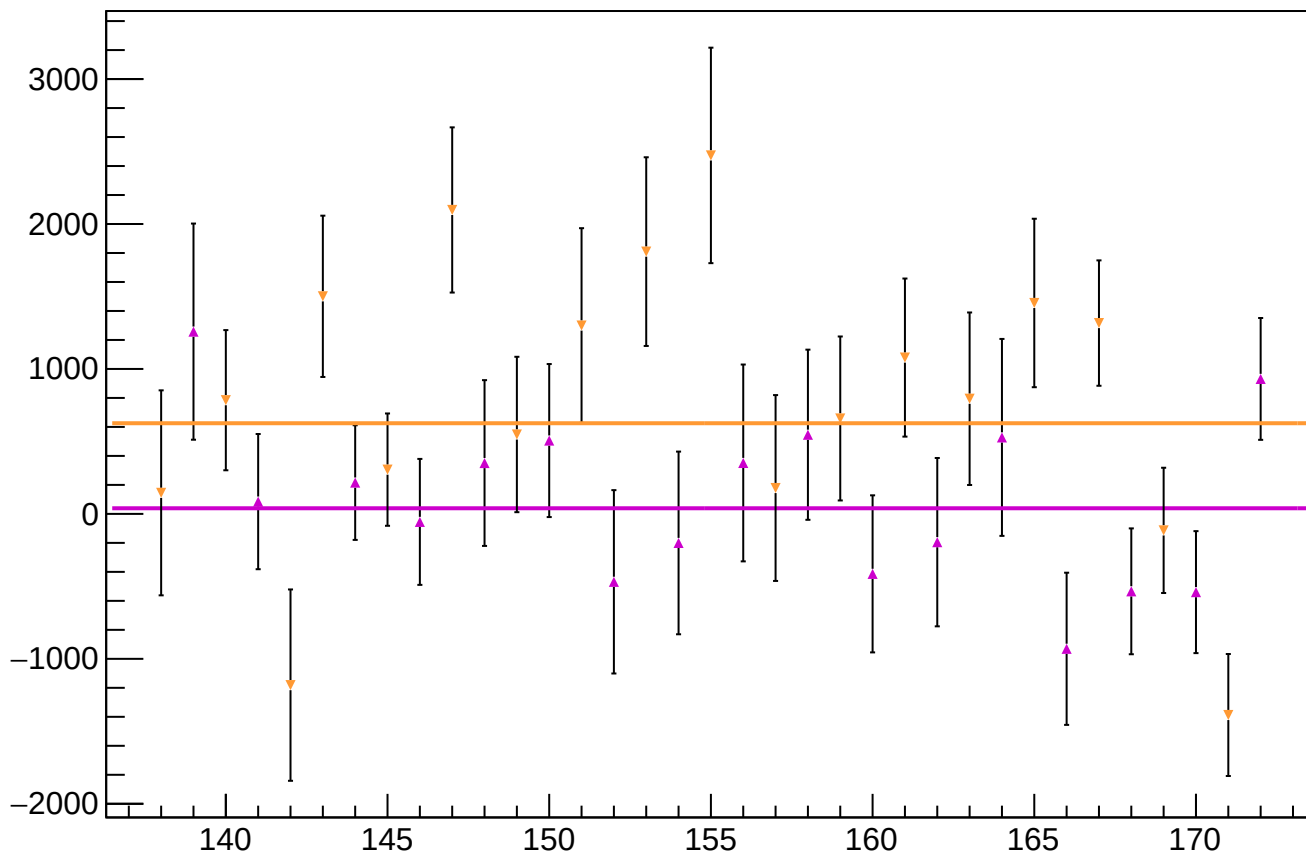
Left In: 46.977+/-0.009 χ^2/NDF : 261640.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.124+/-0.007 χ^2/NDF : 575527.8/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 625.485 $\pm$ 126.528 χ^2 /NDF:60.1/17

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

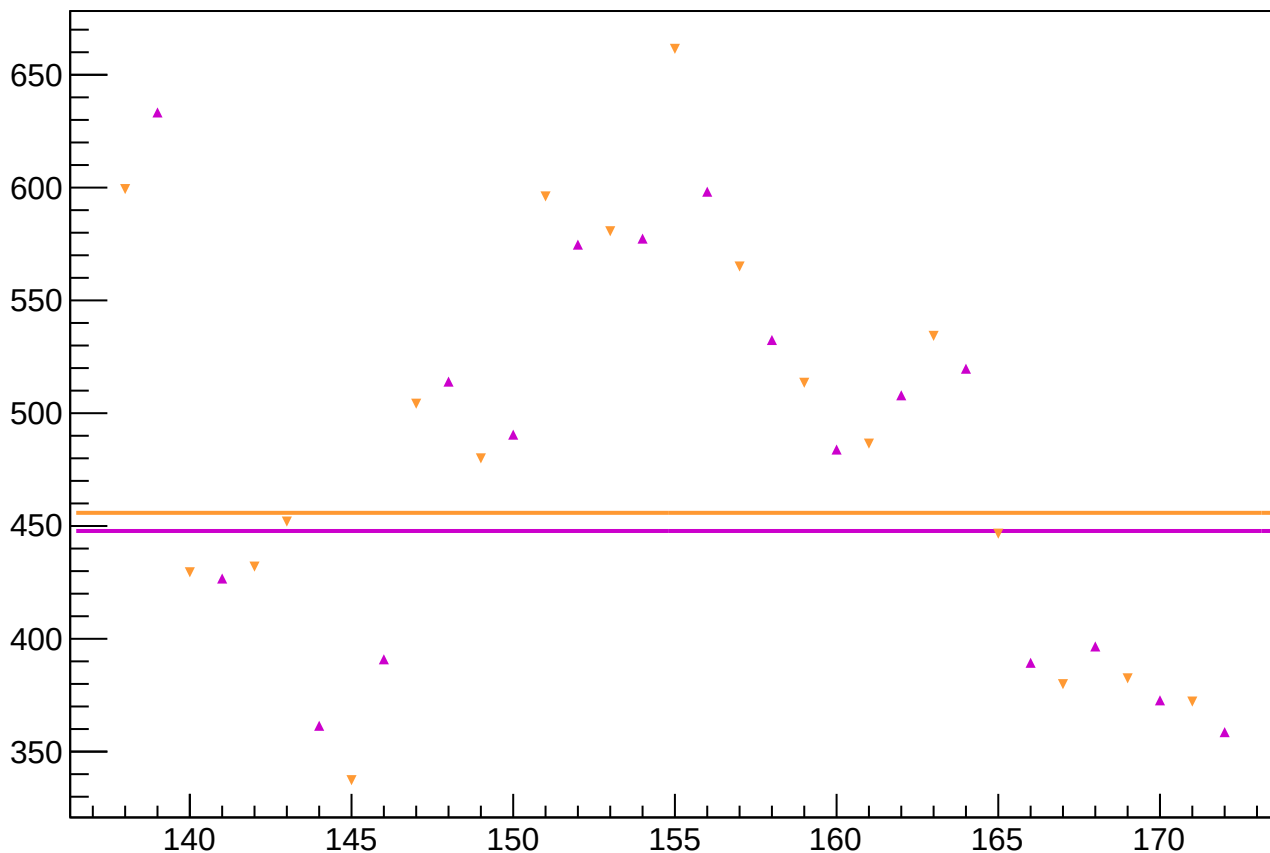
Left In: 38.799 $\pm$ 125.390 χ^2 /NDF:18.7/16

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

All: 329.493 $\pm$ 89.064 χ^2 /NDF: 89.6/34

- sign 0.000 $\pm$ 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: 455.838+/-0.089 χ^2/NDF : 929125.2/17

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

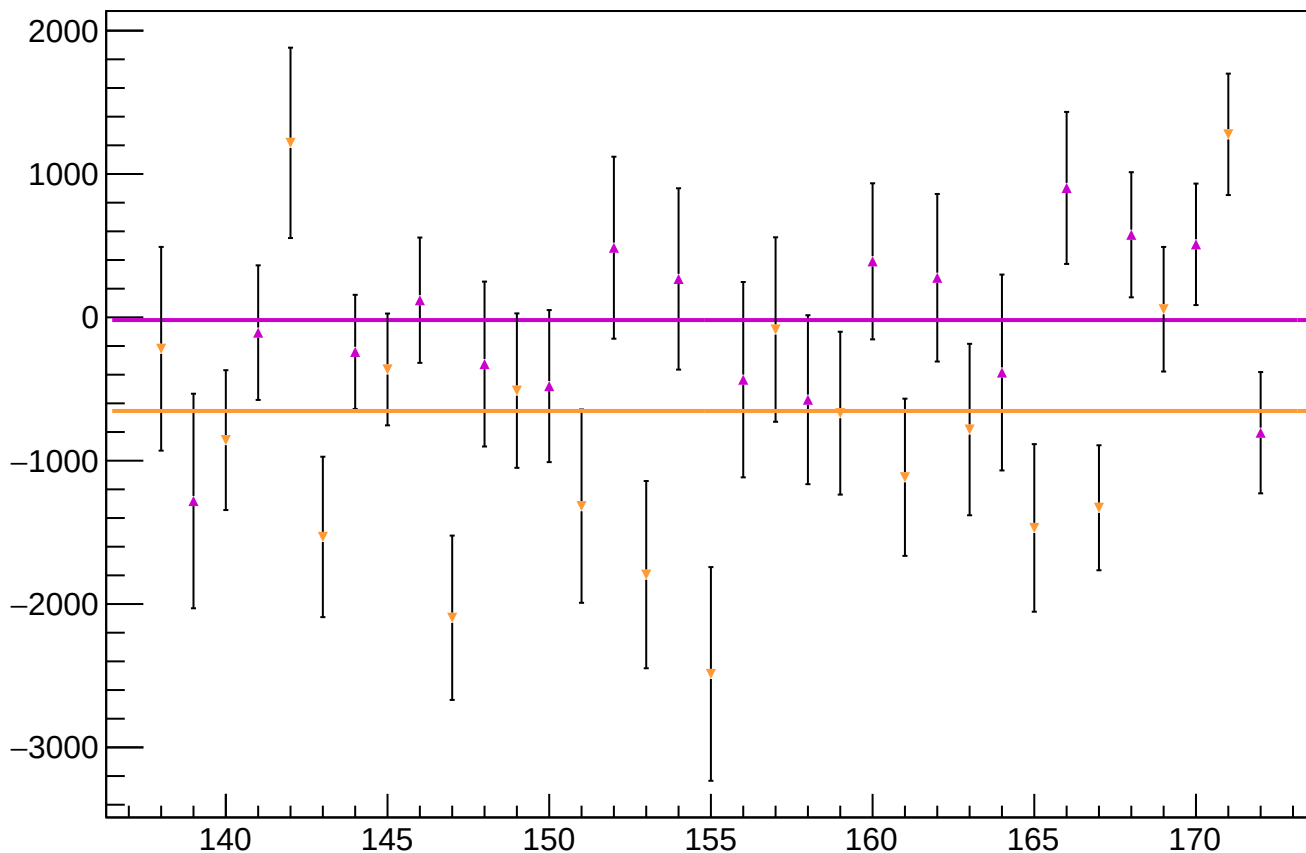
Left In: 447.791+/-0.089 χ^2/NDF : 861226.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 451.778+/-0.063 χ^2/NDF : 1794432.4/34

- 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: -653.137+/-127.260 χ^2/NDF : 57.3/17

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

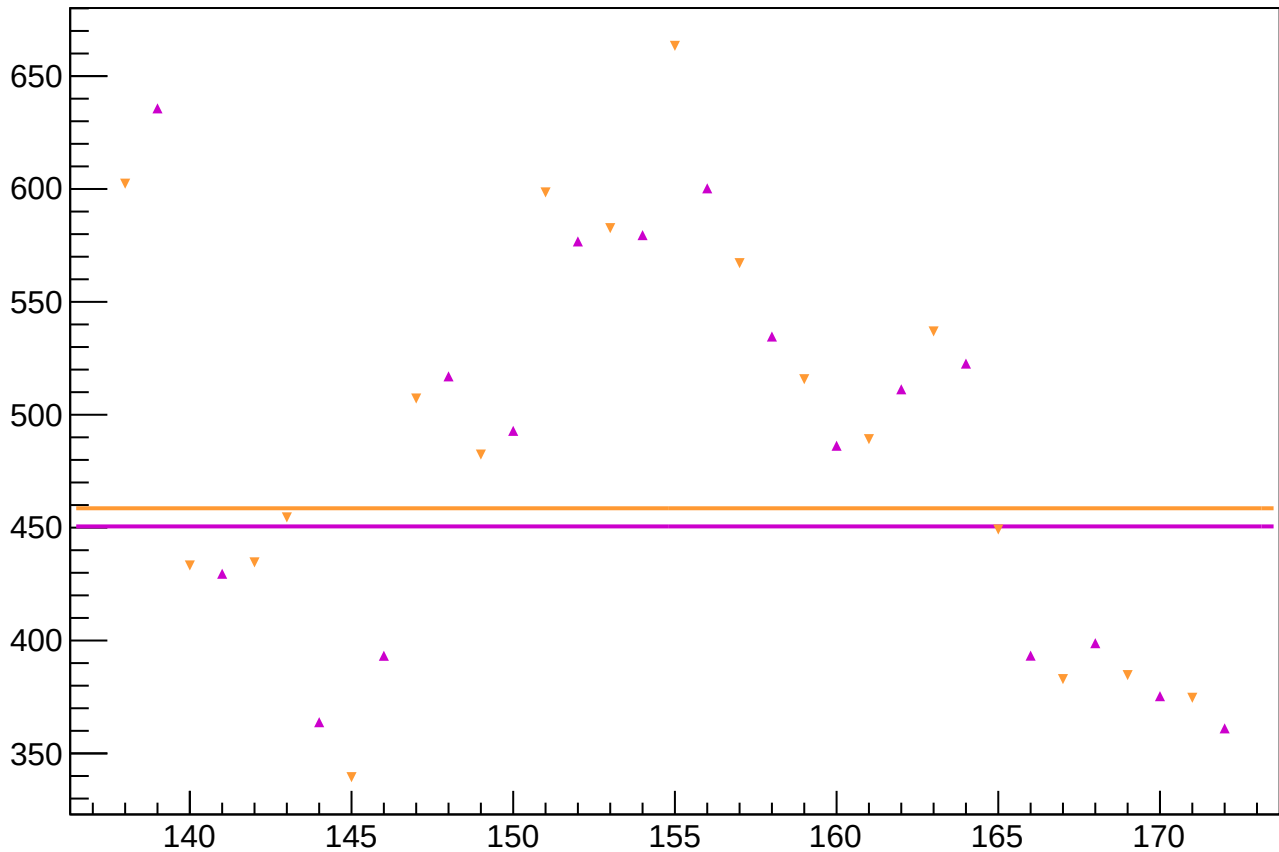
Left In: -18.974+/-126.133 χ^2/NDF : 17.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -333.234+/-89.585 χ^2/NDF : 87.2/34

- 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: 458.576+/-0.090 χ^2/NDF : 918978.7/17

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

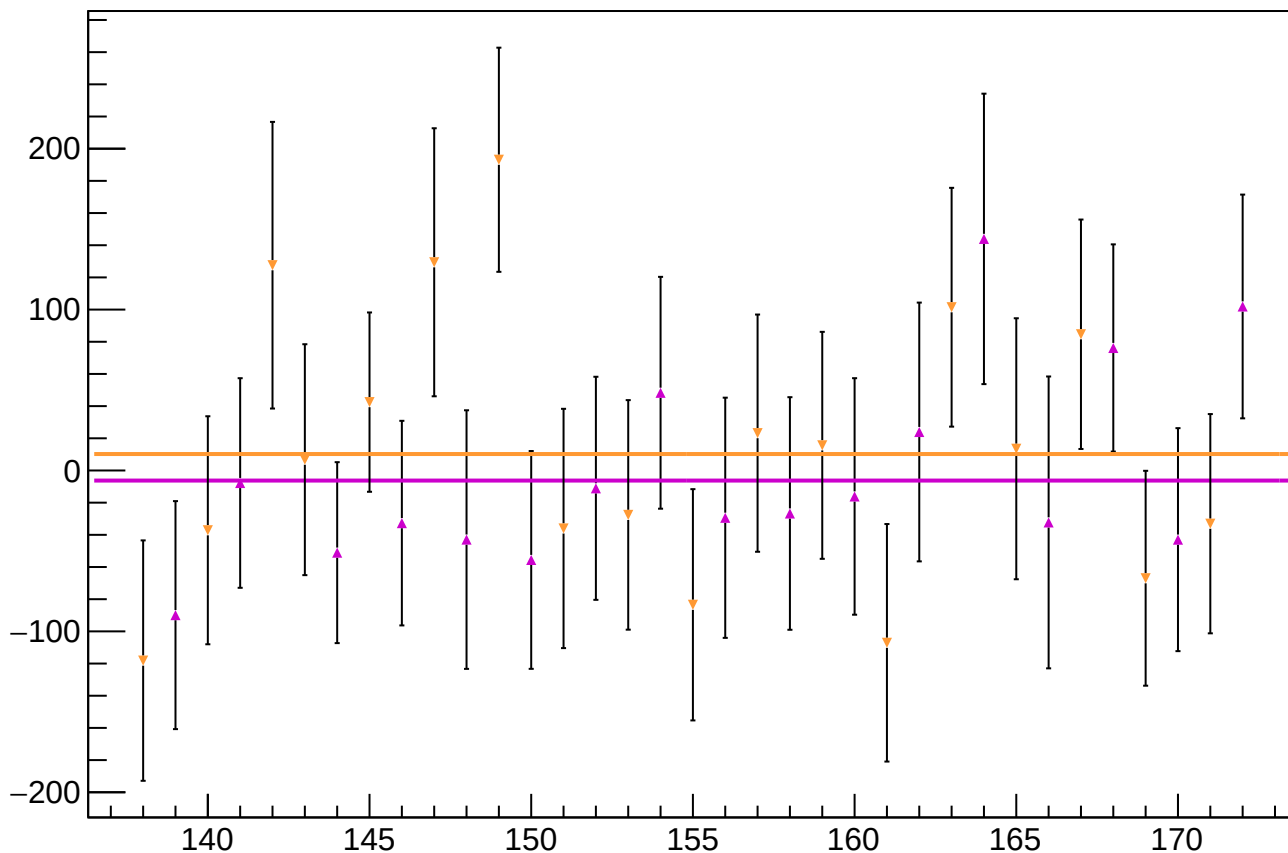
Left In: 450.543+/-0.089 χ^2/NDF : 850938.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 454.524+/-0.063 χ^2/NDF : 1773937.6/34

- 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: 10.222 $\pm$ 16.951 χ^2 /NDF:23.7/17

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

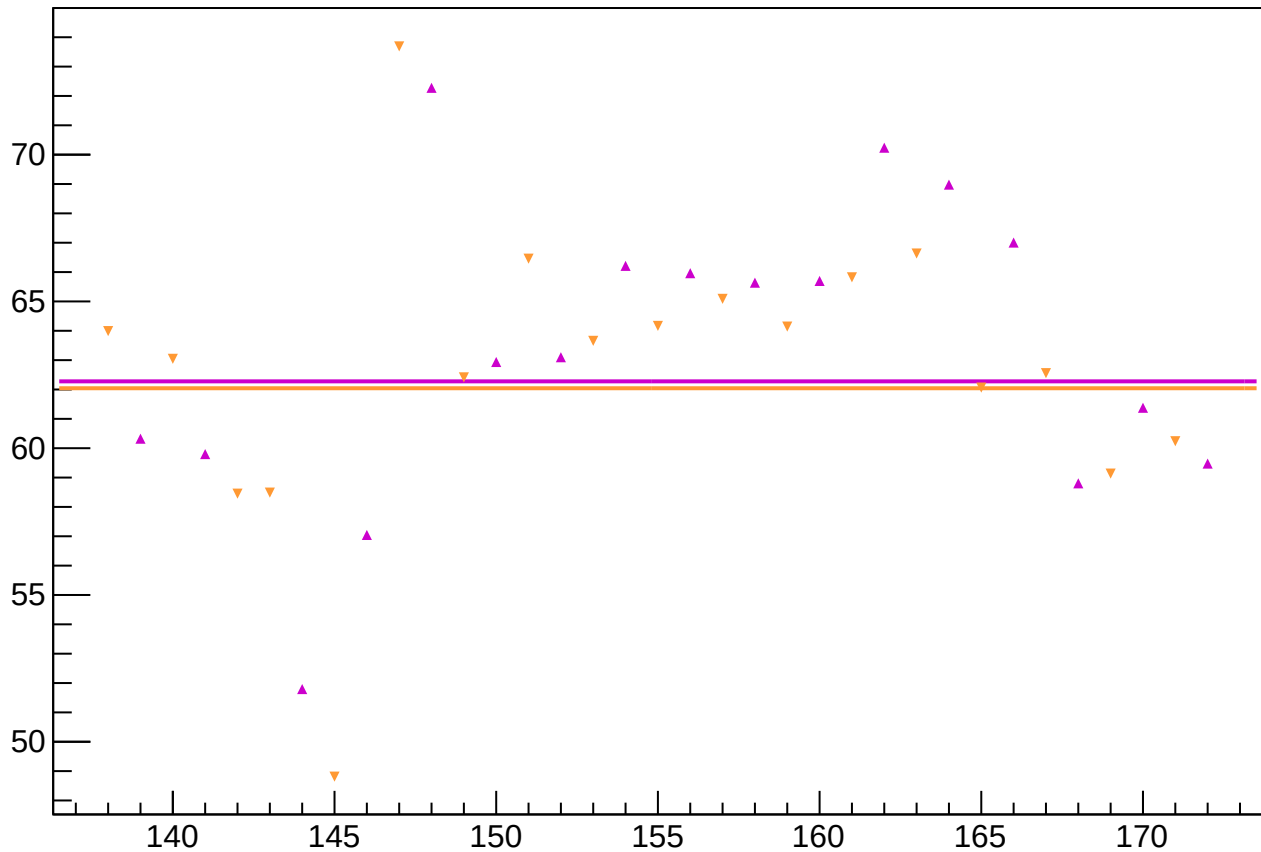
Left In: -6.269 $\pm$ 17.192 χ^2 /NDF:11.0/16

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

All: 2.093 $\pm$ 12.071 χ^2 /NDF: 35.2/34

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

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 62.042+/-0.012 χ^2/NDF :195009.0/17

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

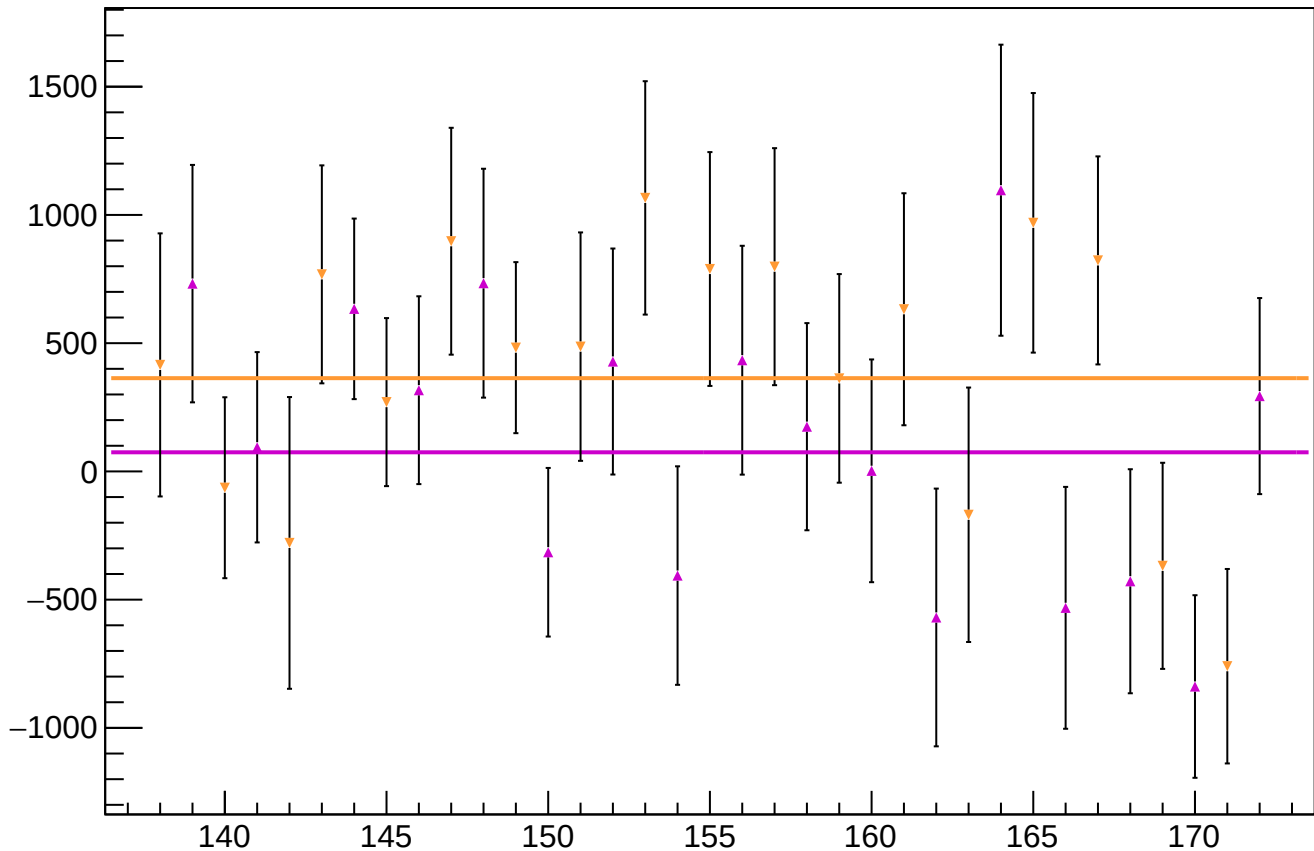
Left In: 62.278+/-0.012 χ^2/NDF :183852.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.158+/-0.009 χ^2/NDF : 379051.3/34

- 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: 363.588+/-99.310 χ^2/NDF : 25.9/17

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

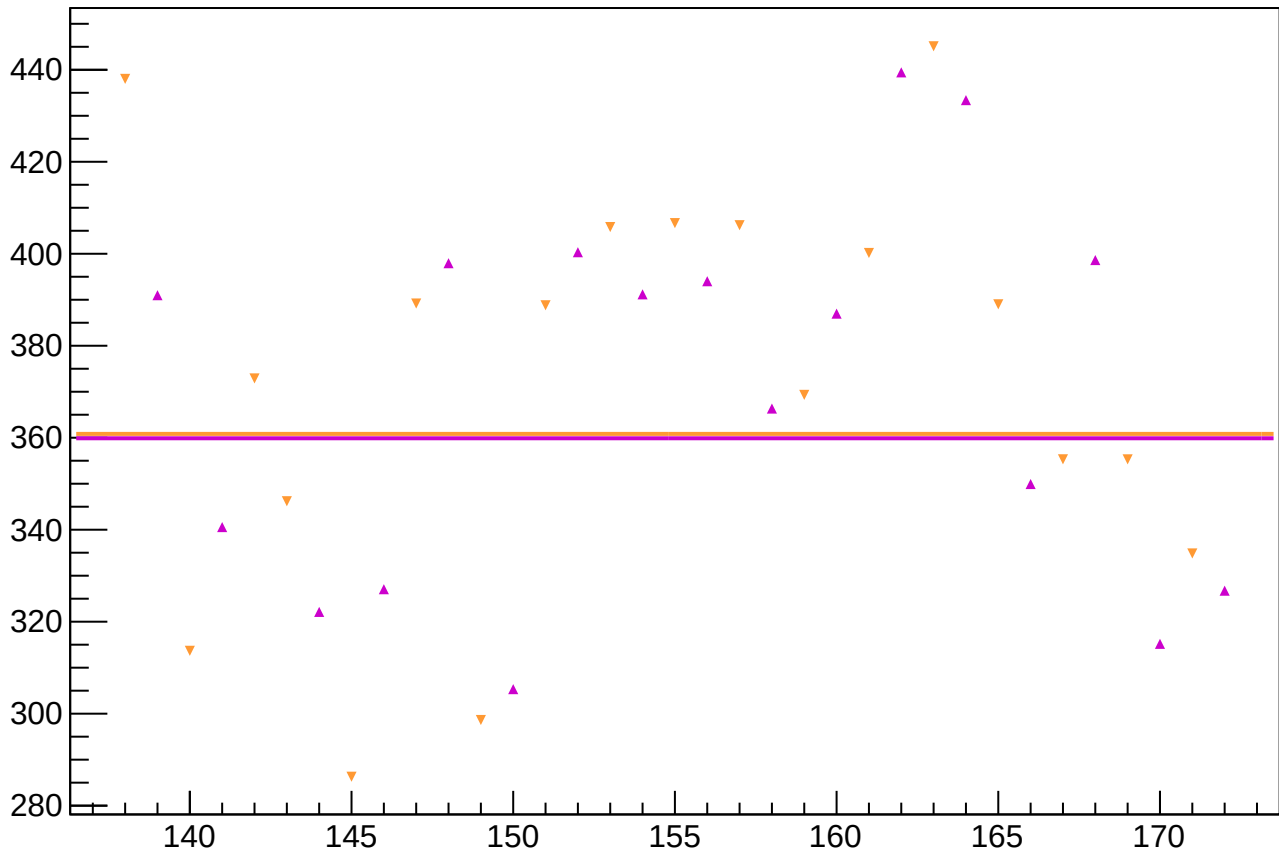
Left In: 74.508+/-99.800 χ^2/NDF : 26.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 219.759+/-70.395 χ^2/NDF : 56.1/34

- 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: 360.834+/-0.070 χ^2/NDF : 422718.9/17

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

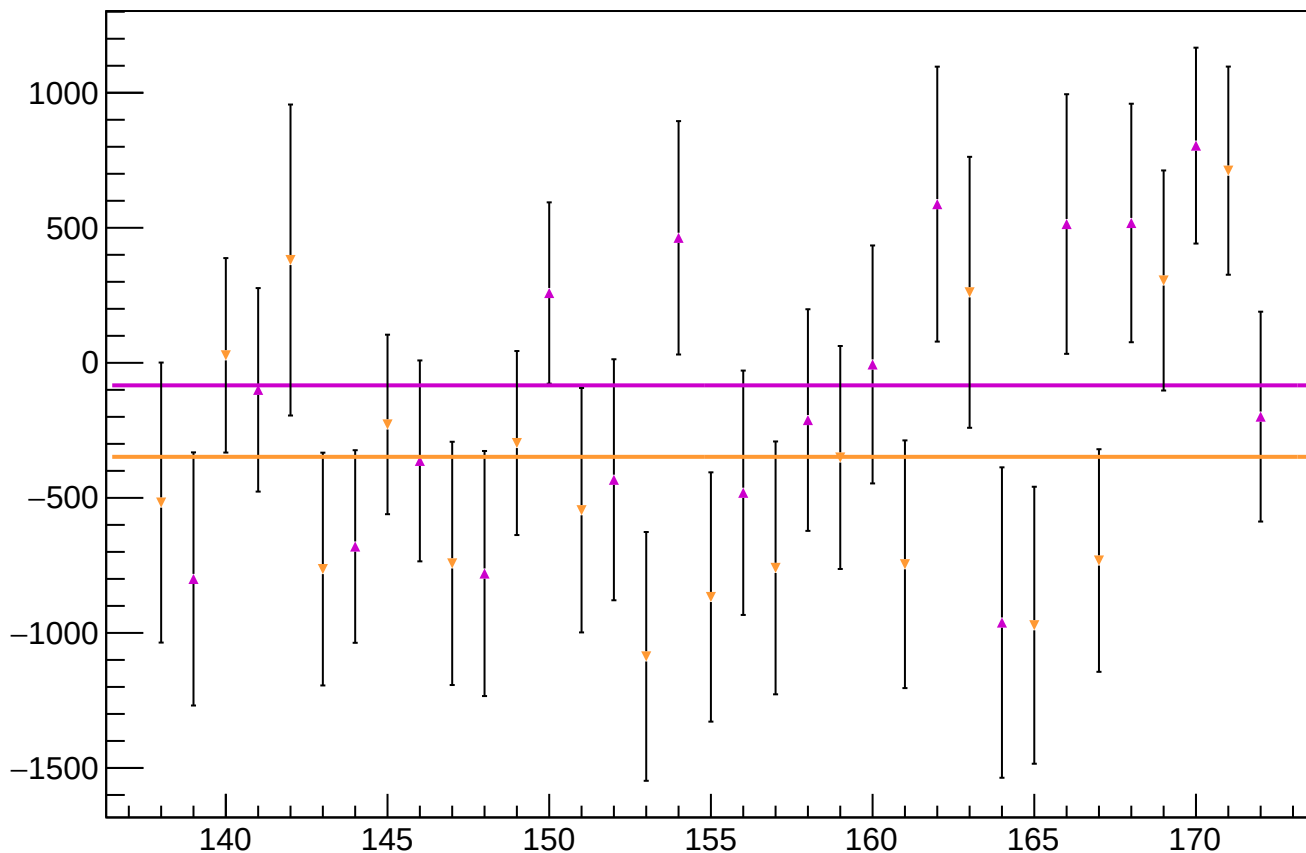
Left In: 359.880+/-0.071 χ^2/NDF : 317739.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 360.360+/-0.050 χ^2/NDF : 740550.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -348.007 $\pm$ 100.842 χ^2 /NDF:24.2/17

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

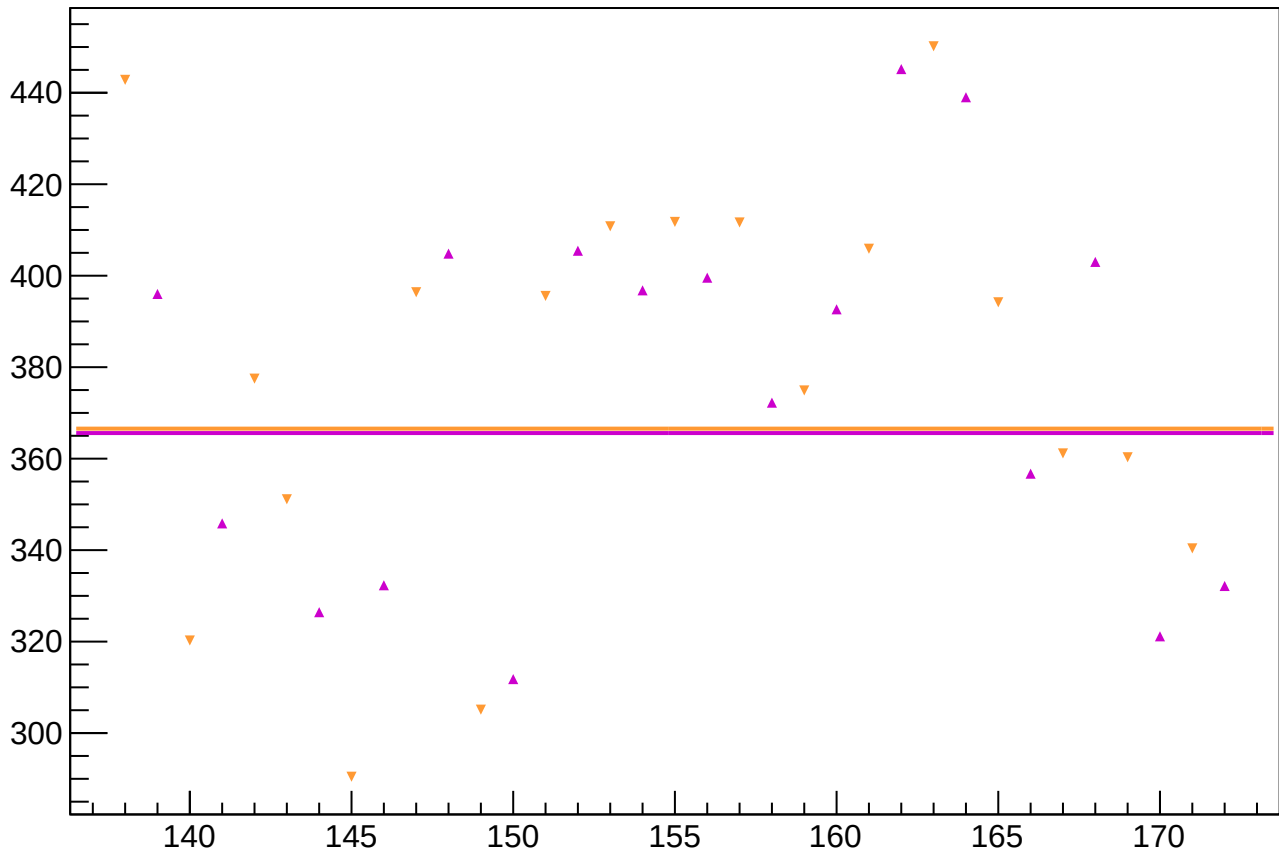
Left In: -83.371 $\pm$ 101.351 χ^2 /NDF:25.8/16

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

All: -216.355 $\pm$ 71.485 χ^2 /NDF: 53.3/34

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

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 366.566+/-0.071 χ^2/NDF : 409688.0/17

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

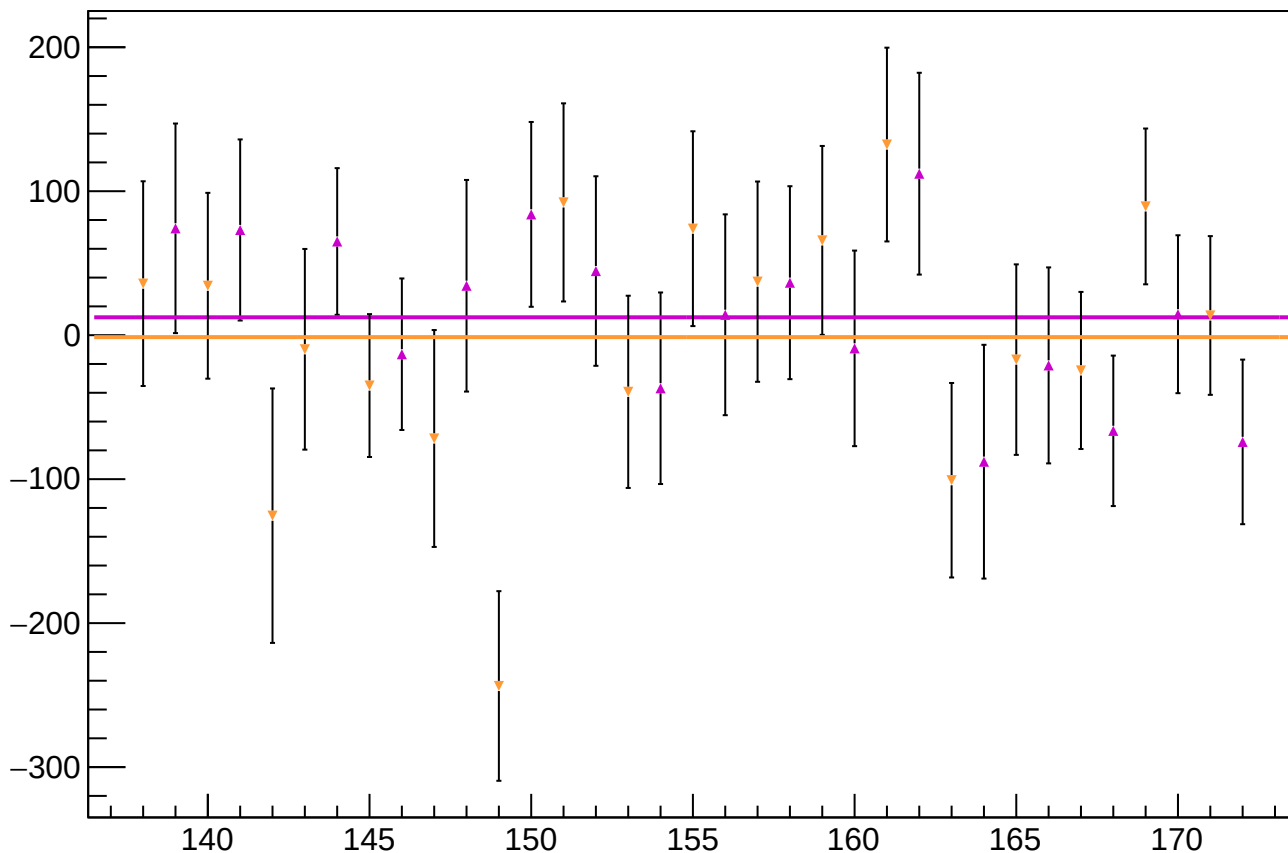
Left In: 365.595+/-0.072 χ^2/NDF : 307534.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 366.083+/-0.051 χ^2/NDF : 717314.7/34

- 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: -1.354 $\pm$ 15.157 χ^2 /NDF:31.4/17

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

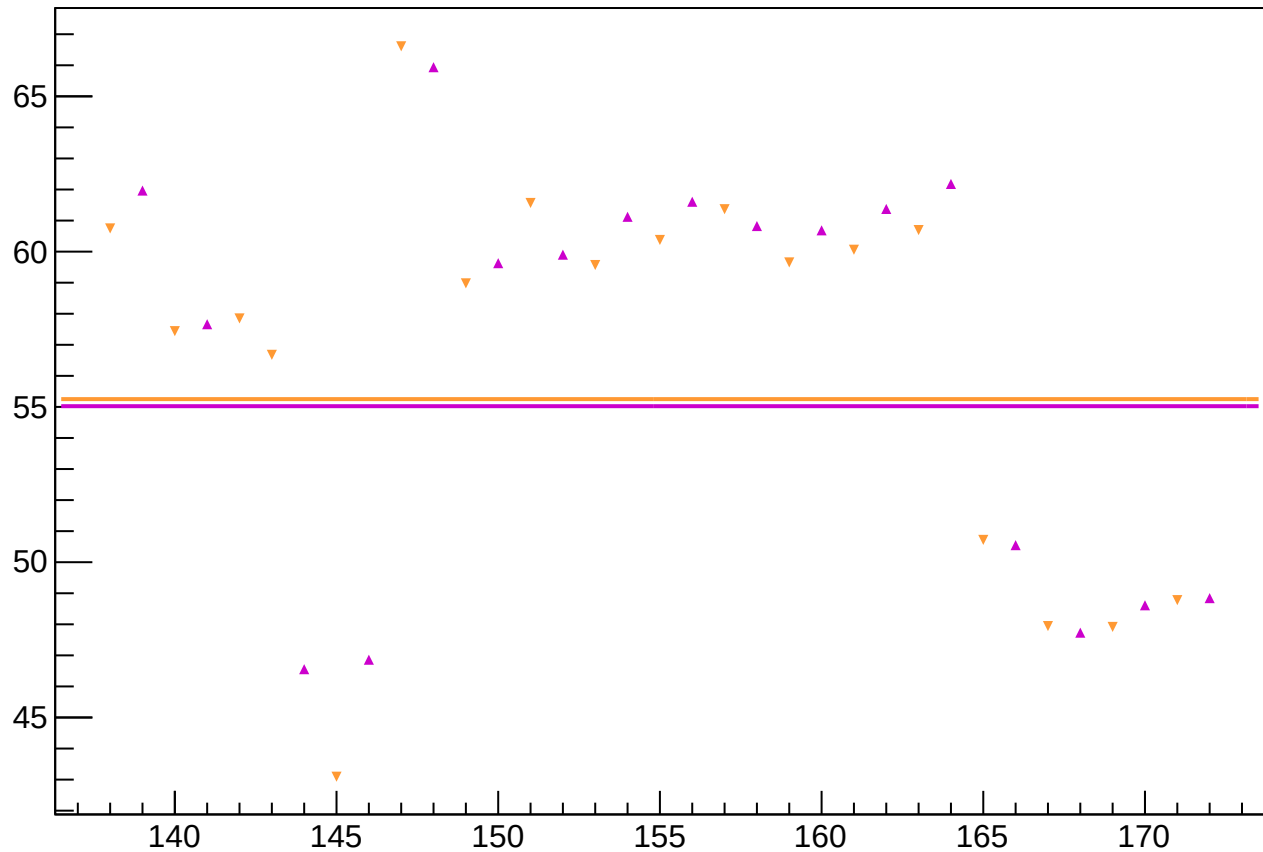
Left In: 12.418 $\pm$ 15.261 χ^2 /NDF:13.7/16

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

All: 5.485 $\pm$ 10.754 χ^2 /NDF: 45.5/34

- 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: 55.251+/-0.011 χ^2/NDF : 382742.9/17

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

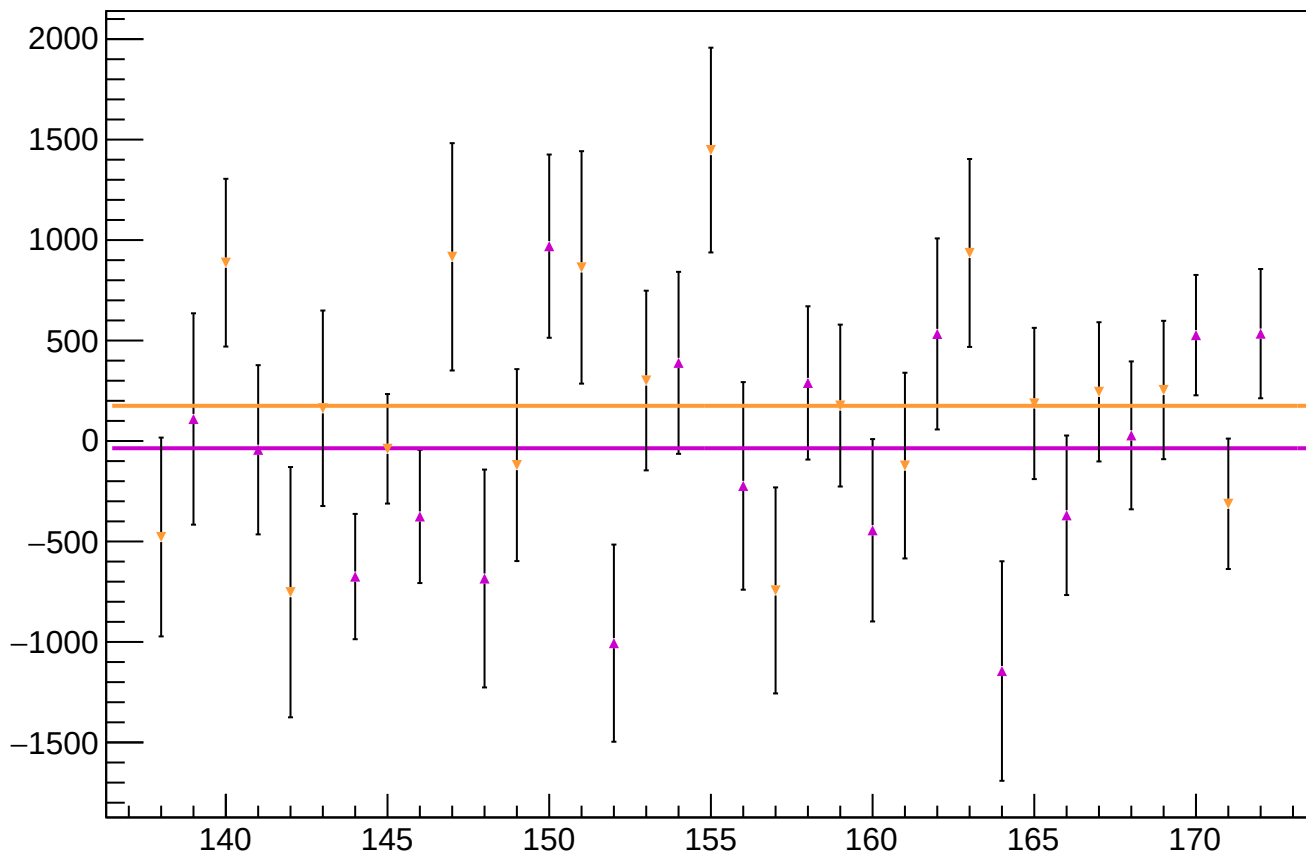
Left In: 55.023+/-0.011 χ^2/NDF : 384309.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 55.138+/-0.008 χ^2/NDF : 767276.7/34

- 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: 175.152 $\pm$ 99.018 χ^2 /NDF:25.9/17

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

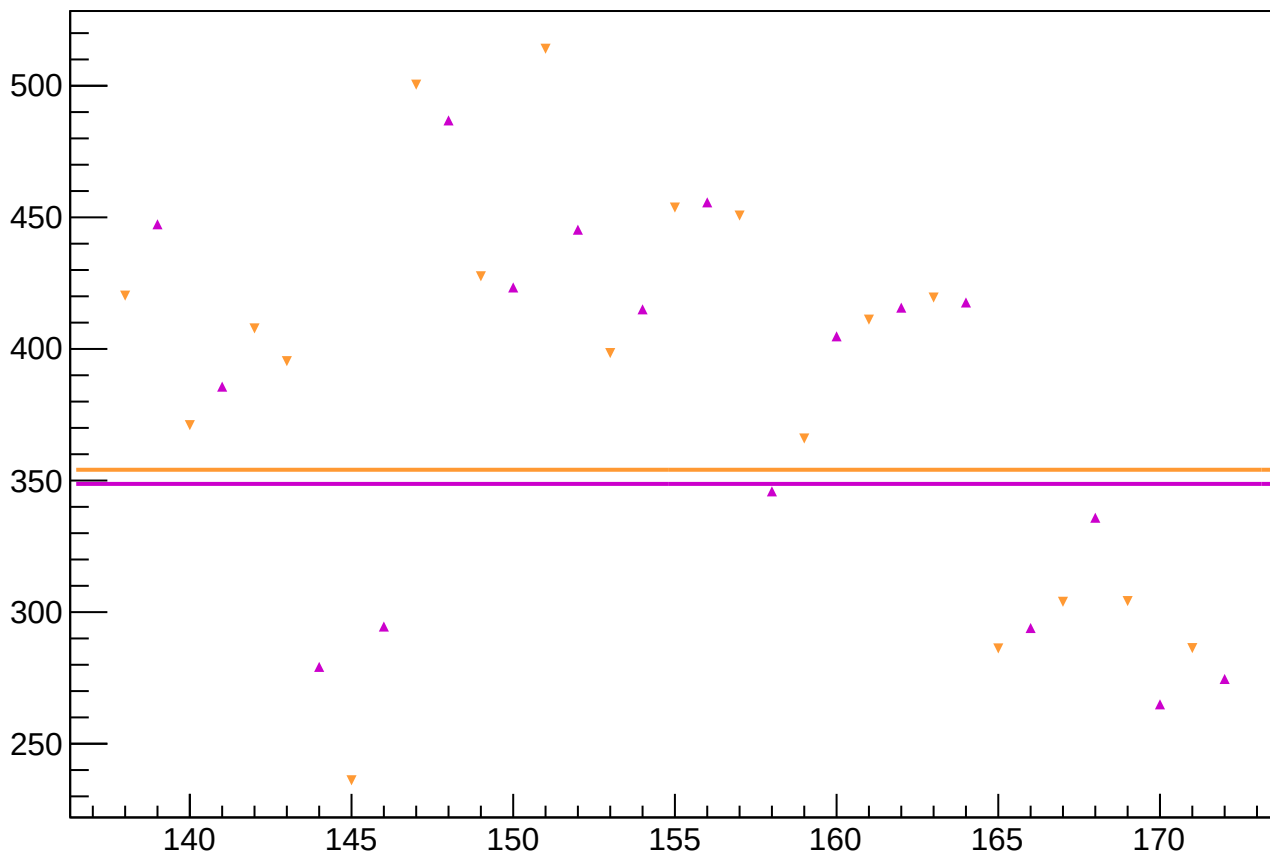
Left In: -36.024 $\pm$ 98.211 χ^2 /NDF:31.0/16

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

All: 68.699 $\pm$ 69.729 χ^2 /NDF: 59.3/34

- 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 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 354.098 $\pm$ 0.070 χ^2/NDF :1252139.0/17

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

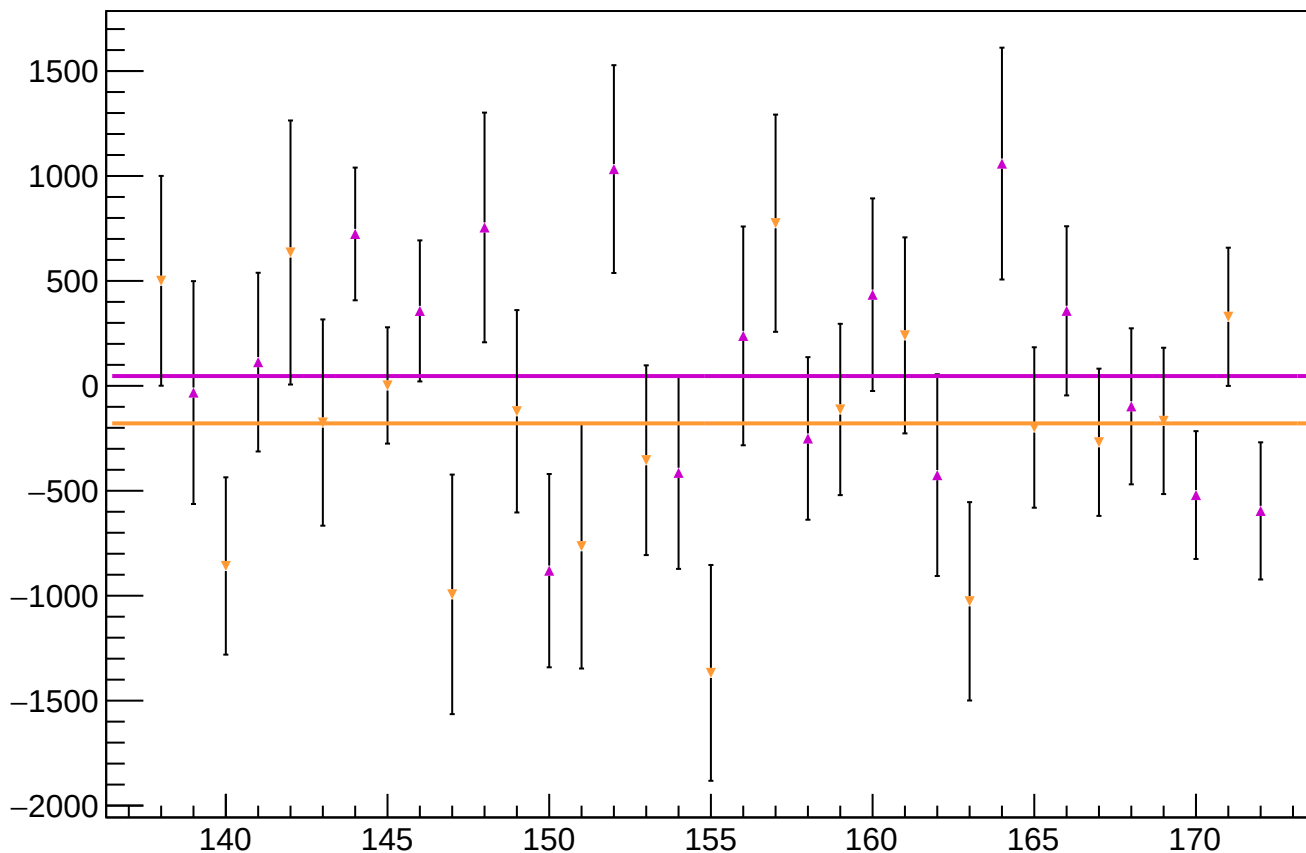
Left In: 348.722 $\pm$ 0.069 χ^2/NDF :1033568.0/16

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

All: 351.388 $\pm$ 0.049 χ^2/NDF : 2288678.2/34

- sign 0.000 $\pm$ 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: -178.810 $\pm$ 100.246 χ^2 /NDF:25.0/17

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

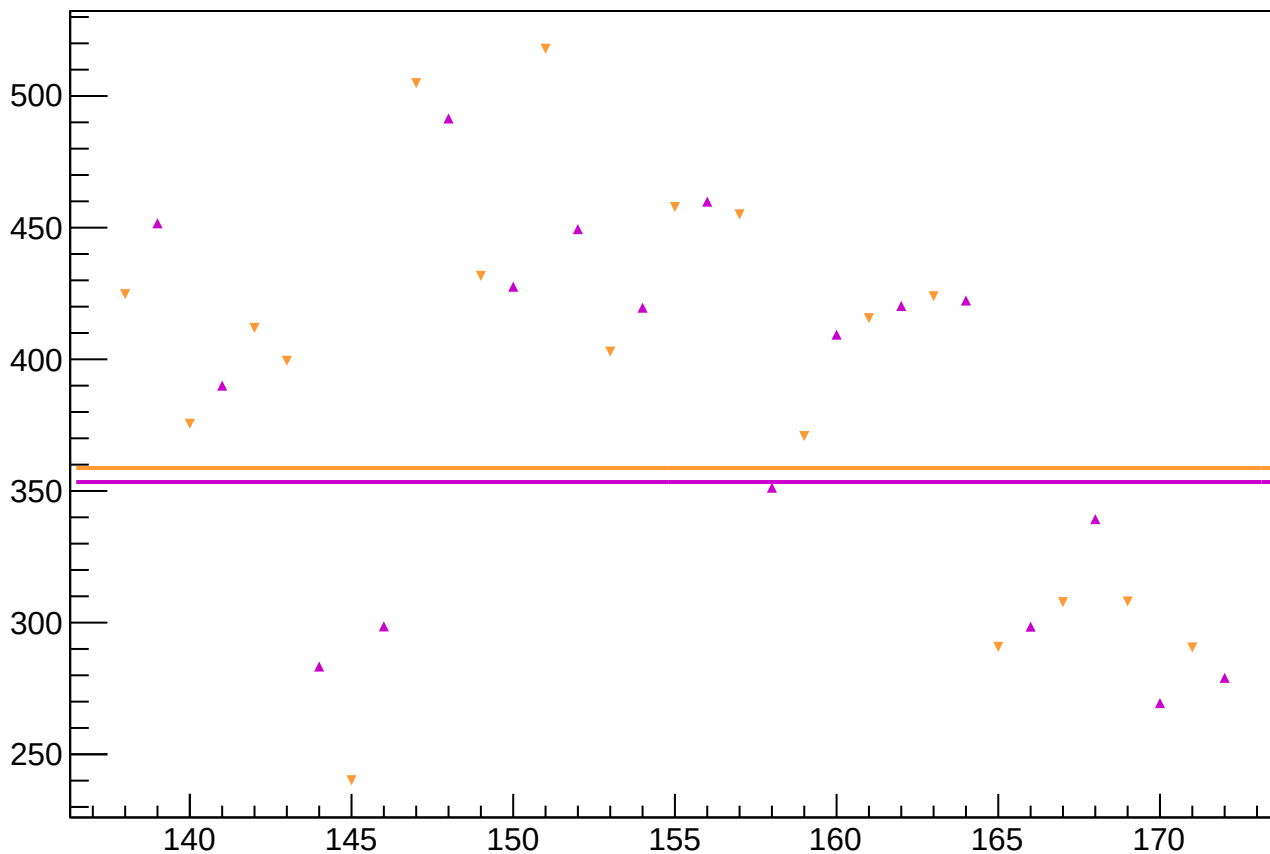
Left In: 46.635 $\pm$ 99.470 χ^2 /NDF:30.0/16

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

All: -65.212 $\pm$ 70.609 χ^2 /NDF: 57.6/34

- 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: 358.720+/-0.071 χ^2/NDF :1224243.0/17

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

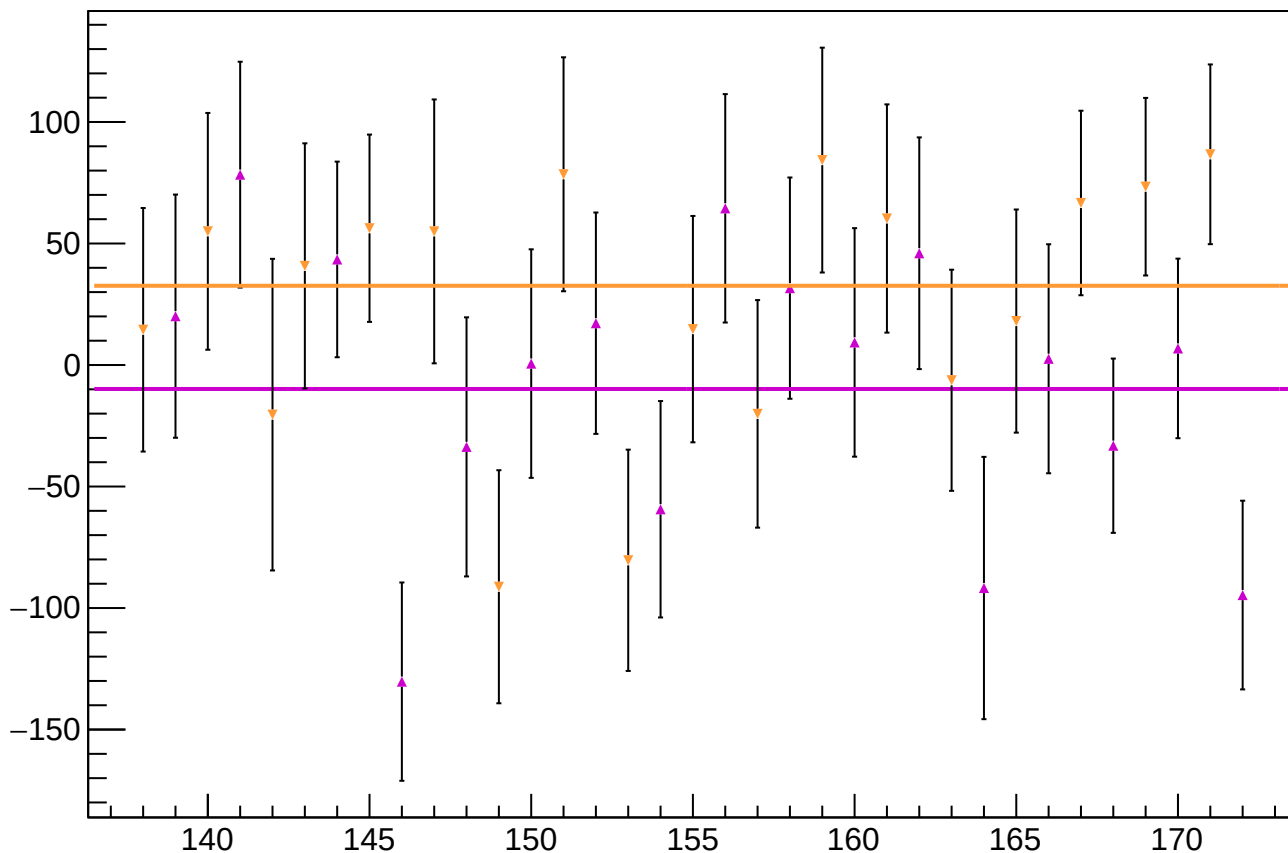
Left In: 353.400+/-0.070 χ^2/NDF :1009813.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 356.040+/-0.050 χ^2/NDF : 2236894.8/34

- 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: 32.612 $\pm$ 10.668 χ^2 /NDF:23.4/17

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

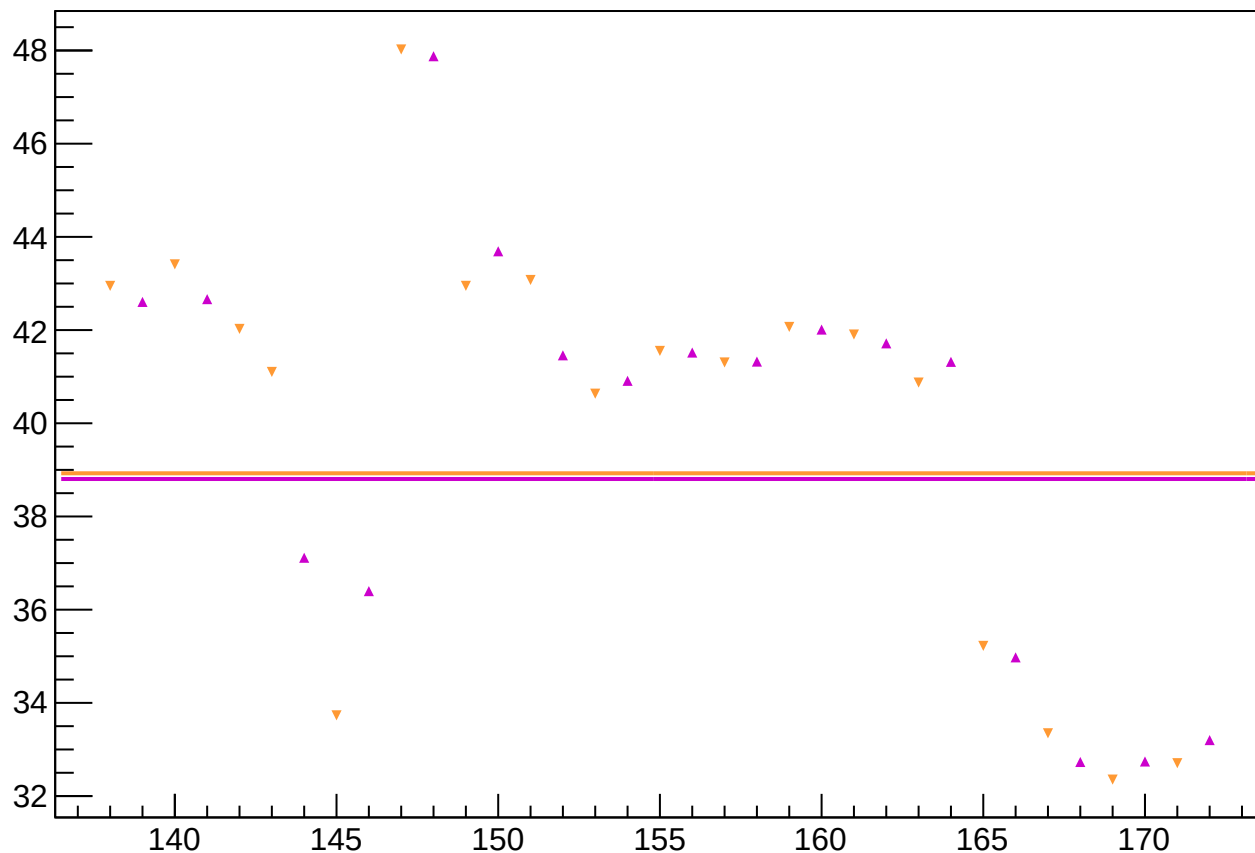
Left In: -9.858 $\pm$ 10.742 χ^2 /NDF:28.9/16

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

All: 11.524 $\pm$ 7.569 χ^2 /NDF: 60.1/34

- 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: 38.927+/-0.008 χ^2/NDF : 372419.5/17

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

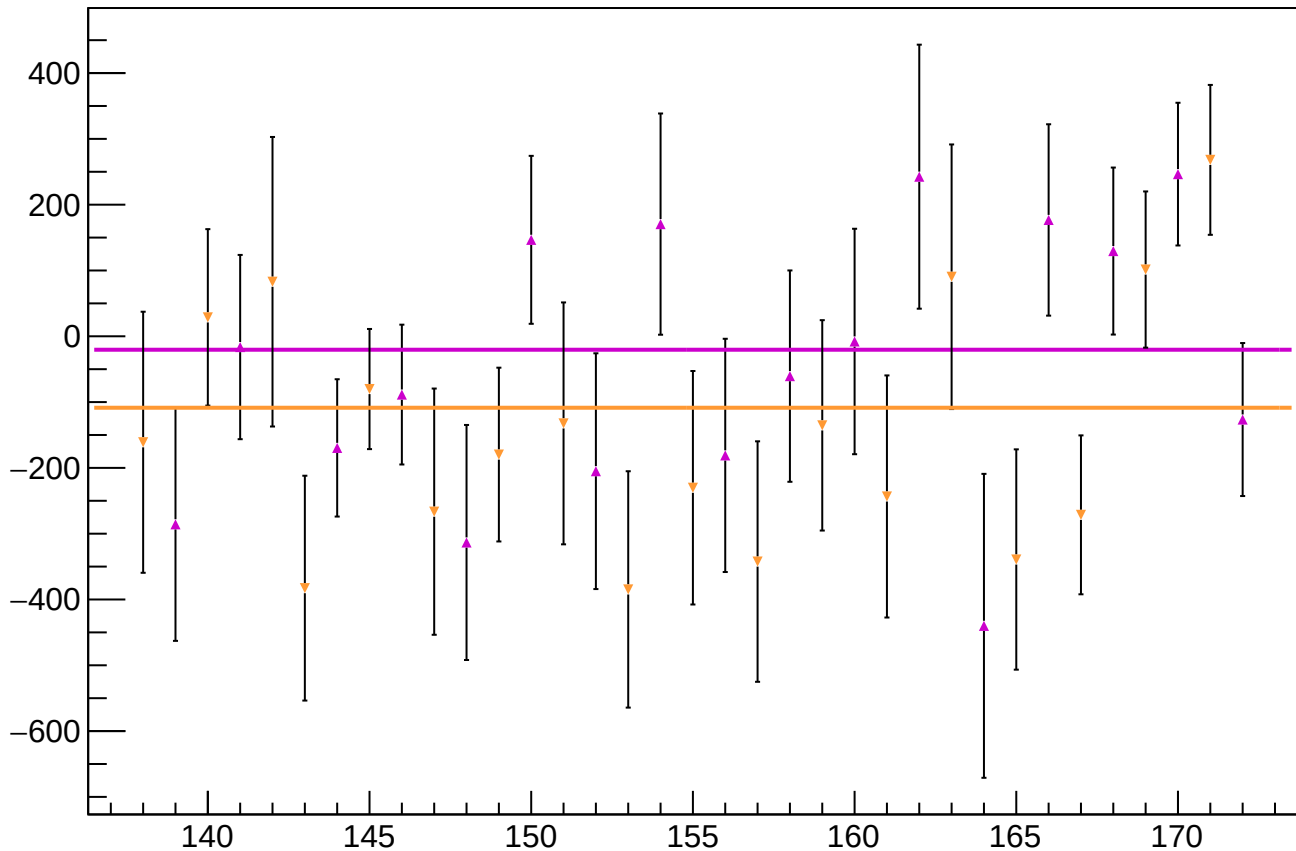
Left In: 38.804+/-0.008 χ^2/NDF : 326560.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 38.866+/-0.005 χ^2/NDF : 699112.2/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -108.592 +/- 35.139 χ^2/NDF : 29.4/17

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

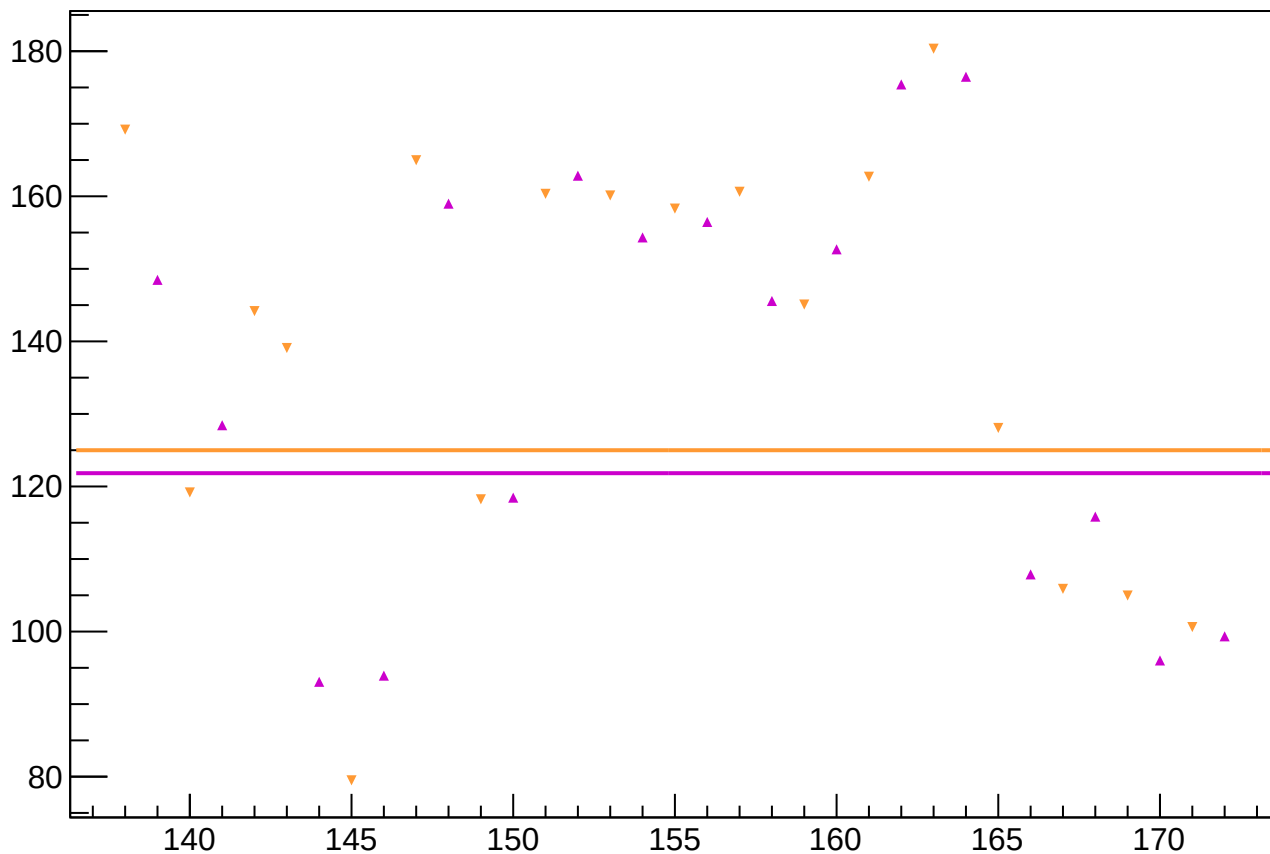
Left In: -20.438 +/- 34.518 χ^2/NDF : 27.5/16

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -63.729 +/- 24.624 χ^2/NDF : 60.1/34

- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_correction_rms vs Slug



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

Left Out: 124.997+/-0.025 χ^2/NDF : 1488480.3/17

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

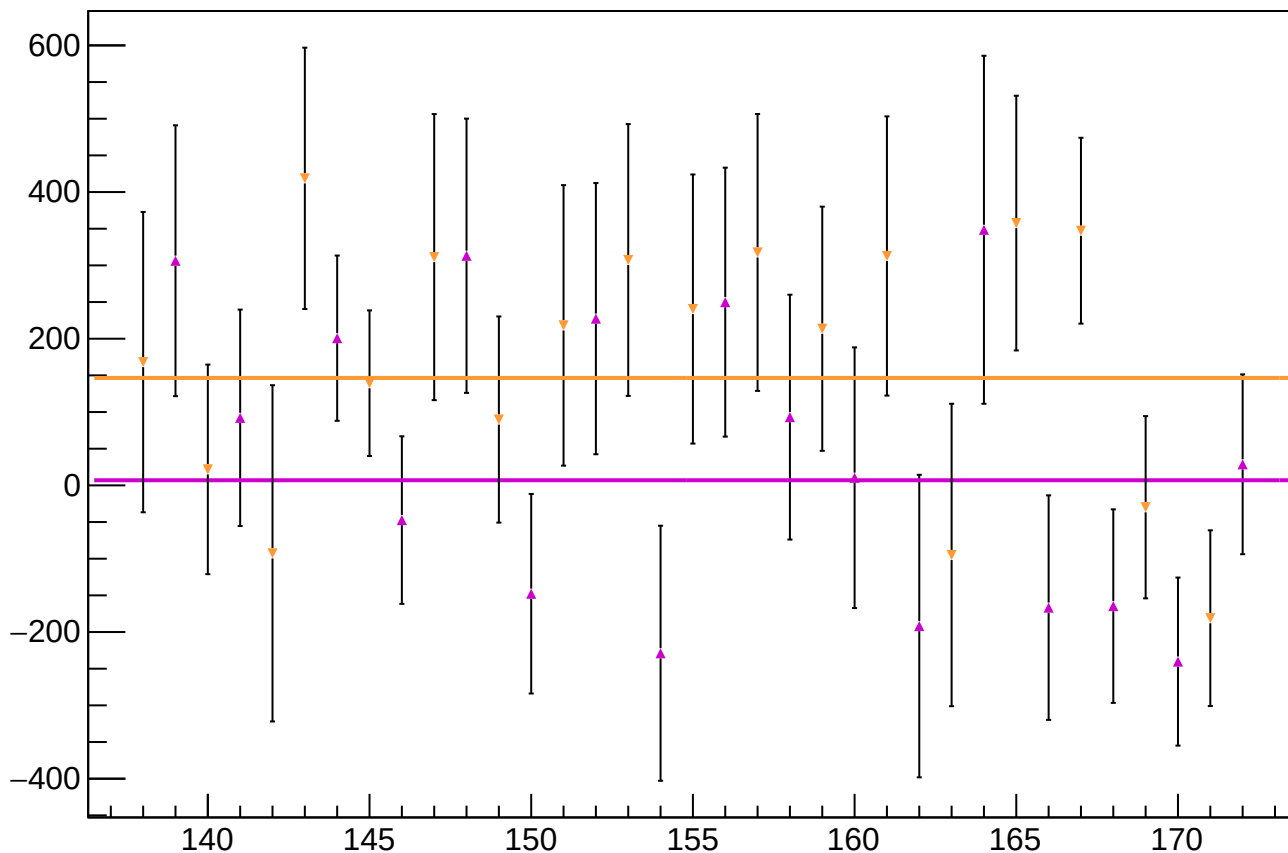
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 123.386+/-0.017 χ^2/NDF : 2754544.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 121.832+/-0.024 χ^2/NDF : 1257806.4/16

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 146.502 $\pm$ 36.941 χ^2 /NDF:22.8/17

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

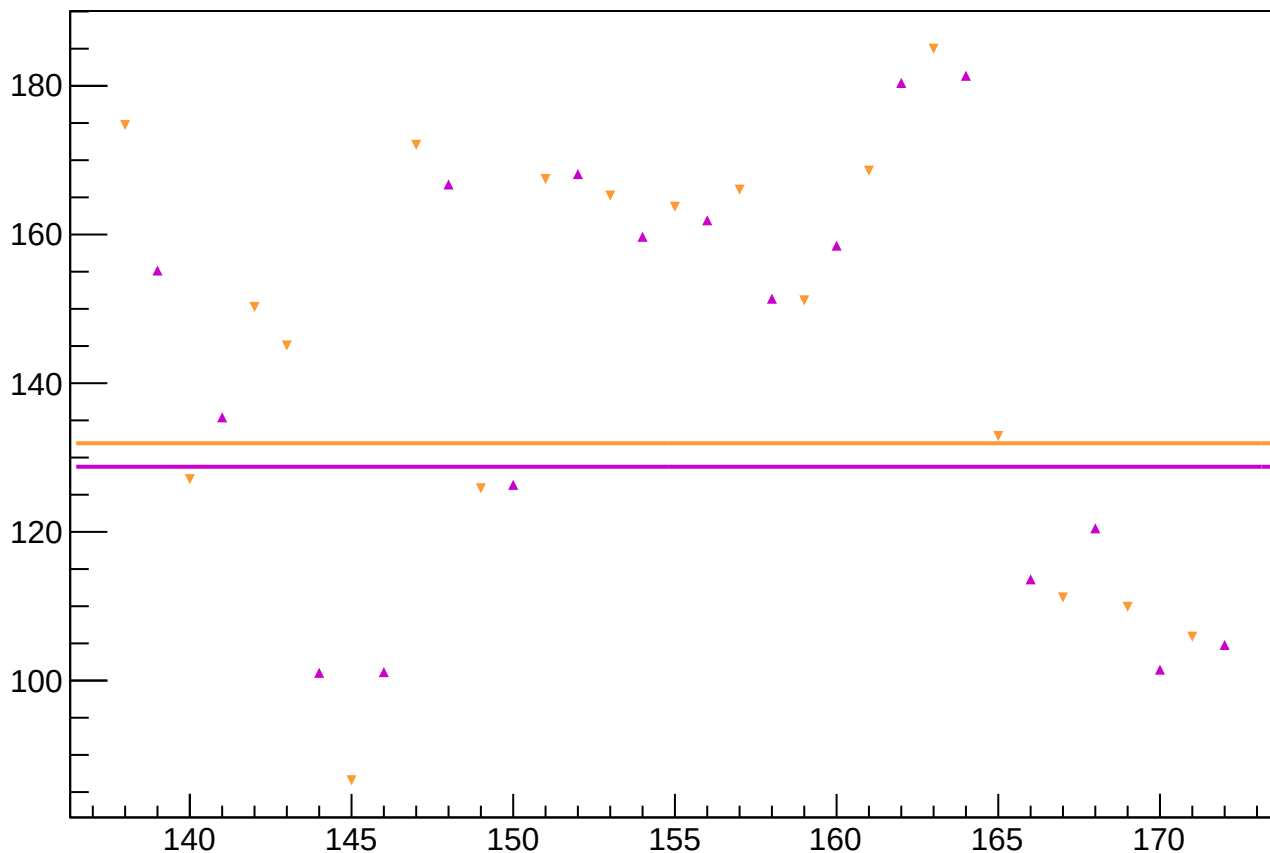
Left In: 6.968 $\pm$ 36.351 χ^2 /NDF:26.1/16

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

All: 75.611 $\pm$ 25.910 χ^2 /NDF: 56.1/34

- 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: 131.923+/-0.026 χ^2/NDF :1321557.0/17

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

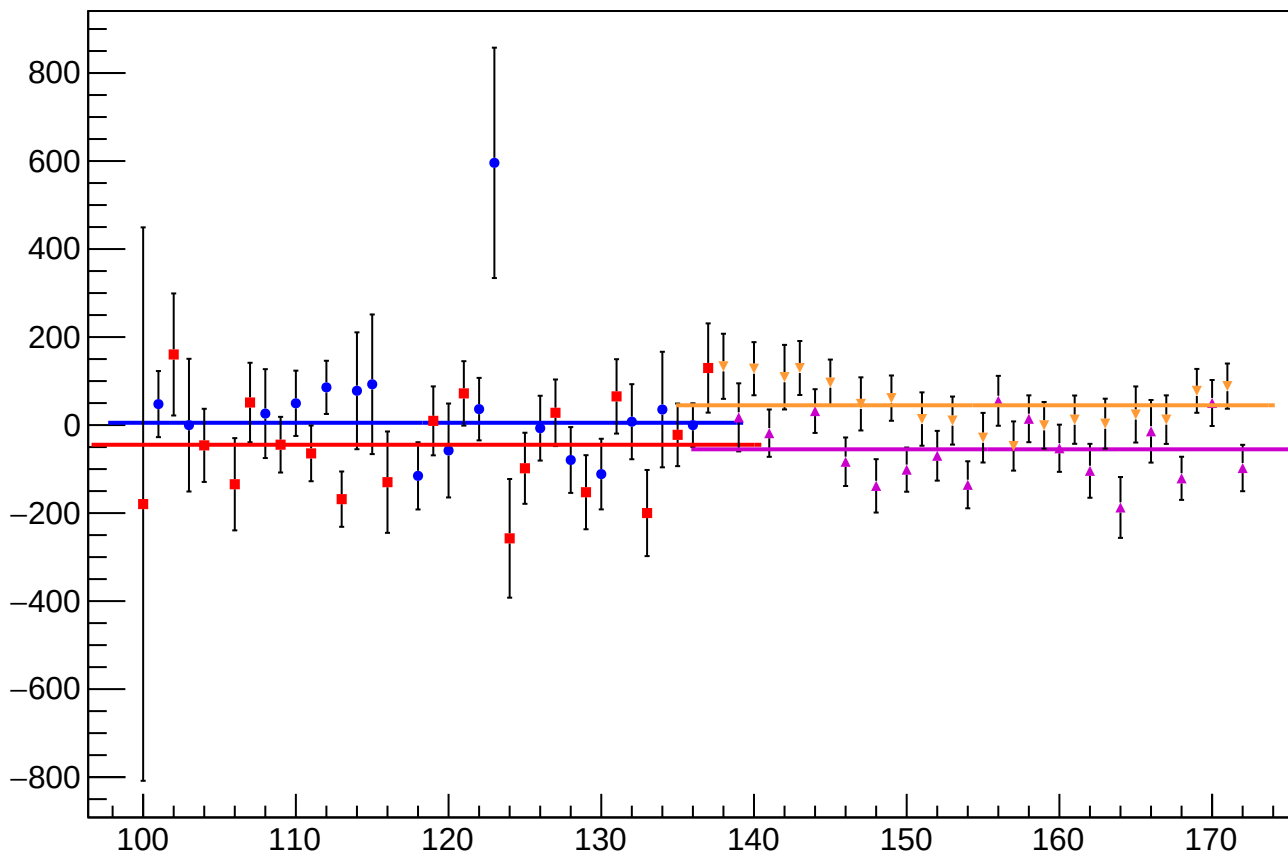
Left In: 128.763+/-0.026 χ^2/NDF :1118803.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 130.318+/-0.018 χ^2/NDF : 2447795.2/34

- 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: 44.993 ± 13.458 χ^2/NDF : 15.4/17

Right Out: -44.715 ± 19.410 χ^2/NDF : 24.4/18

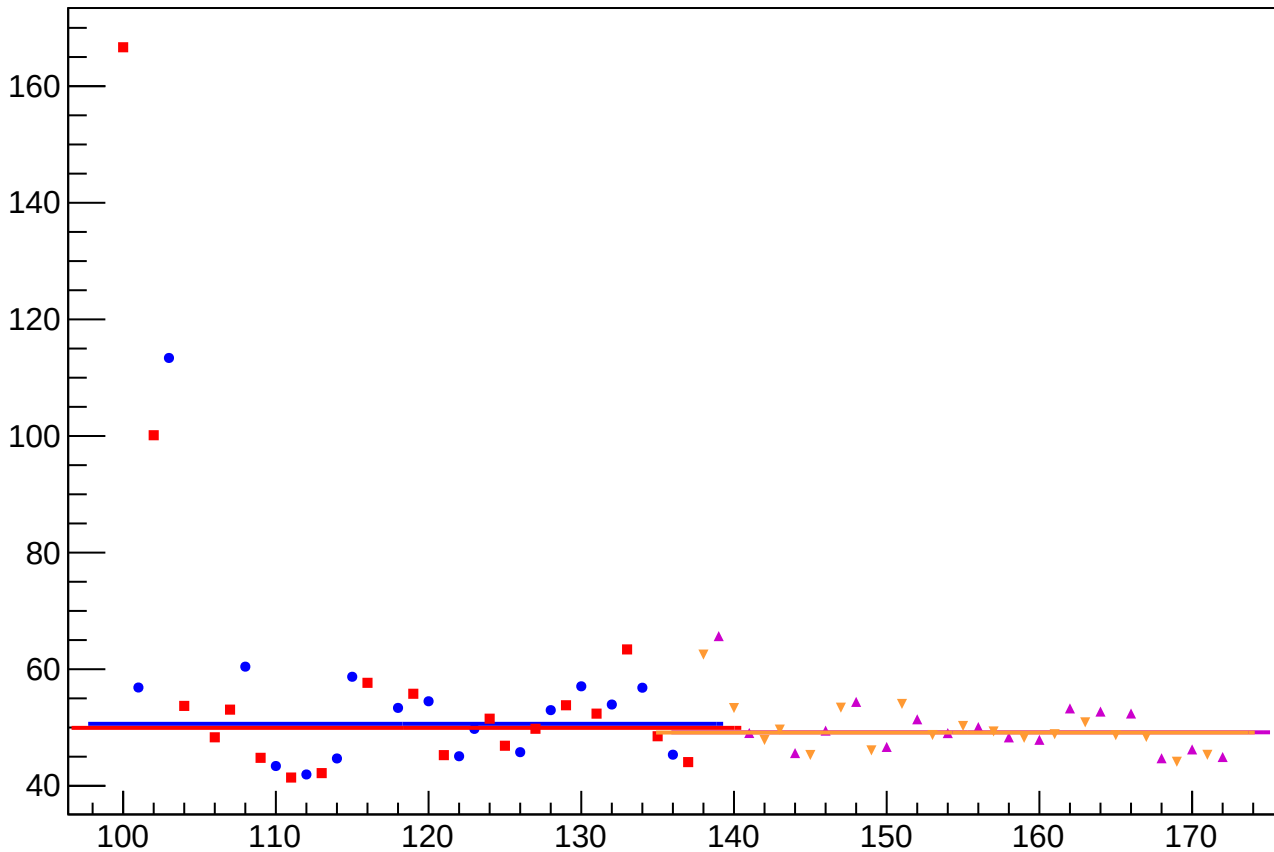
Left In: -55.086 ± 13.600 χ^2/NDF : 26.4/16

+ sign 32.725 ± 11.191 χ^2/NDF : 32.8/34

All: -9.675 ± 7.894 χ^2/NDF : 112.3/70

- 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: 49.140 $\pm$ 0.010 χ^2 /NDF: 151936.6/17

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

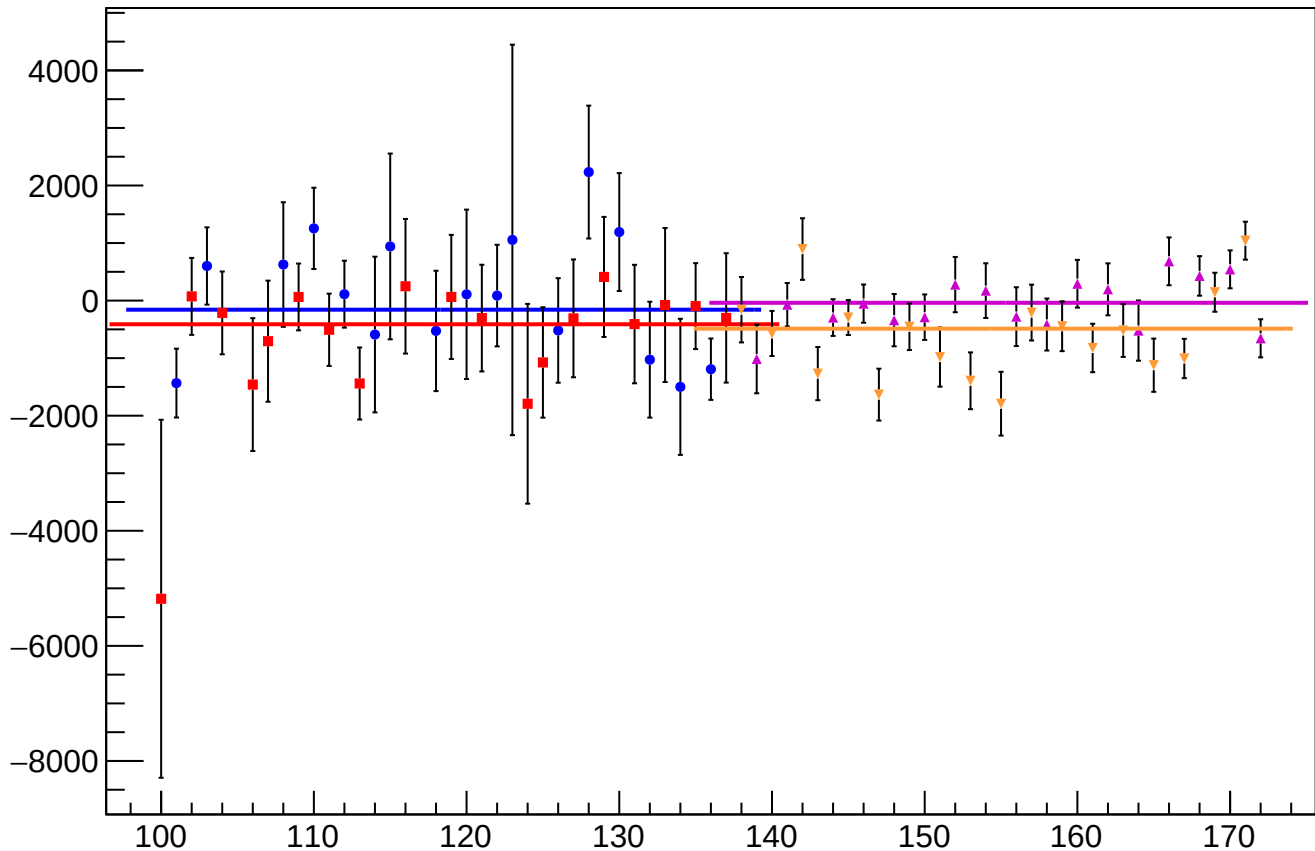
Left In: 49.181 $\pm$ 0.010 χ^2 /NDF: 180587.2/16

+ sign 49.601 $\pm$ 0.008 χ^2 /NDF: 679230.7/34

All: 49.516 $\pm$ 0.006 χ^2 /NDF: 1362603.6/70

- sign 49.432 $\pm$ 0.008 χ^2 /NDF: 683142.3/35

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 ± 210.181 χ^2/NDF : 23.5/16

Left Out: -487.746 ± 99.057 χ^2/NDF : 56.8/17

Right Out: -411.611 ± 203.633 χ^2/NDF : 9.8/18

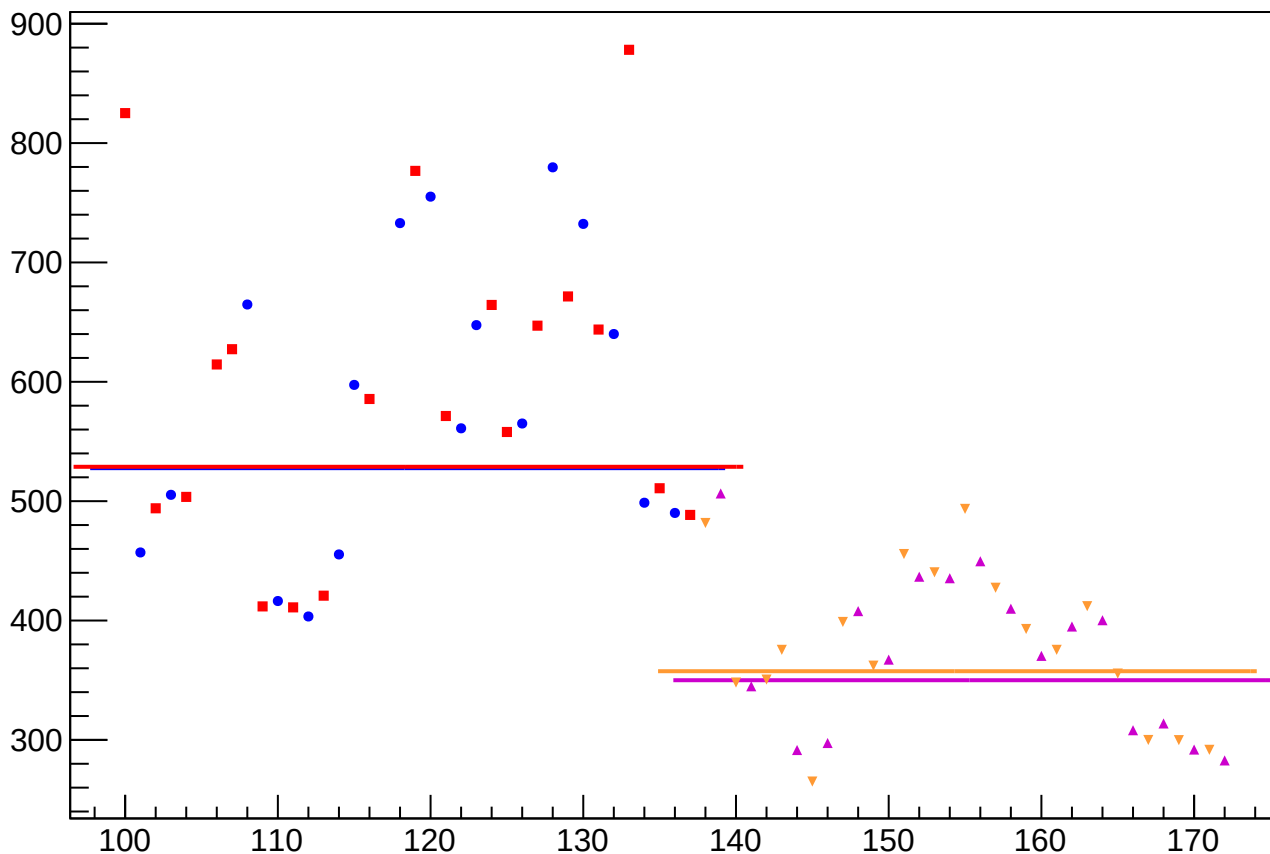
Left In: -38.239 ± 97.851 χ^2/NDF : 18.9/16

+ sign -427.816 ± 89.604 χ^2/NDF : 82.2/34

All: -265.519 ± 62.856 χ^2/NDF : 120.1/70

- sign -108.279 ± 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: 357.542 $\pm$ 0.070 χ^2/NDF : 833206.4/17

Right Out: 528.806 $\pm$ 0.144 χ^2/NDF : 623364.6/18

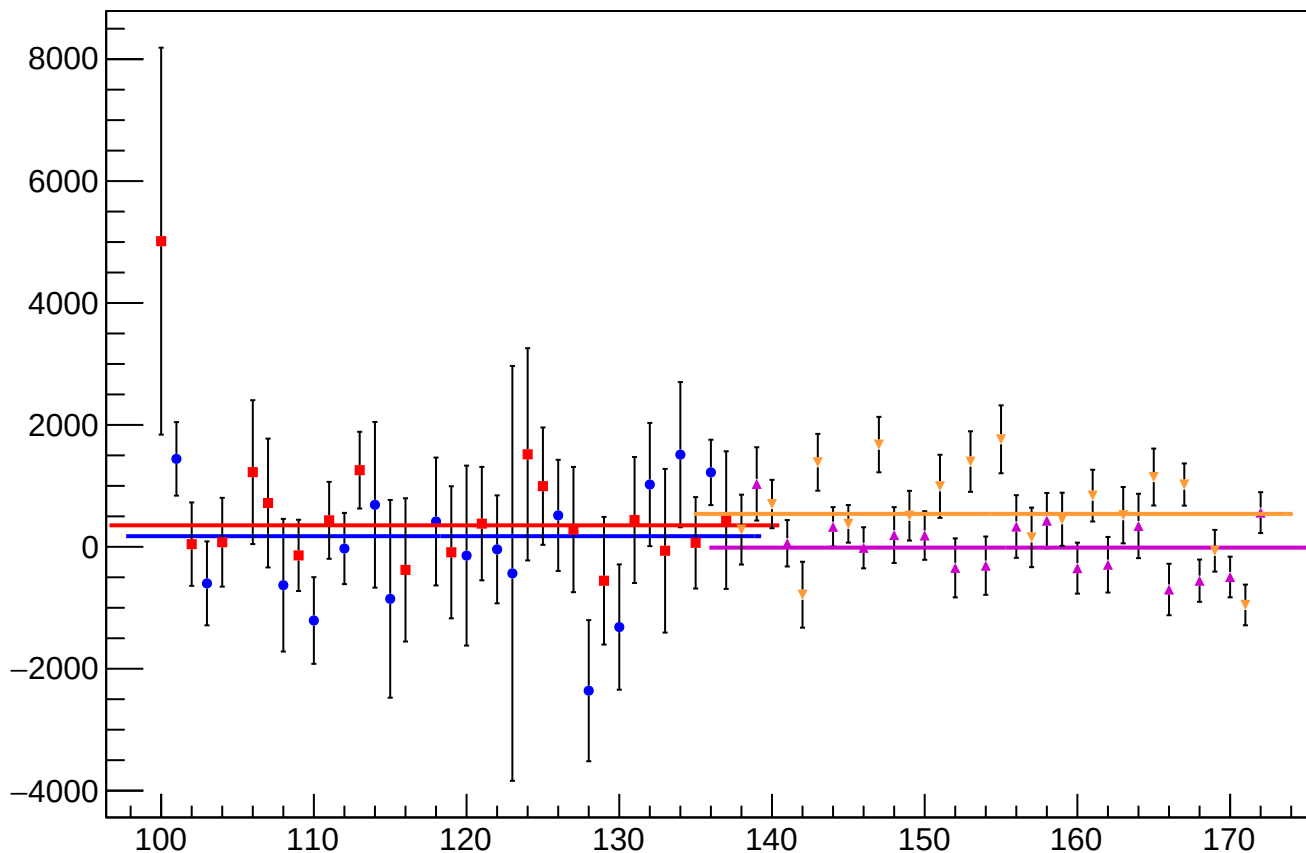
Left In: 349.993 $\pm$ 0.069 χ^2/NDF : 763080.3/16

+ sign 388.461 $\pm$ 0.063 χ^2/NDF : 2462757.6/34

All: 385.960 $\pm$ 0.044 χ^2/NDF : 5105139.5/70

- 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: 540.505 $\pm$ 100.059 χ^2 /NDF: 52.7/17

Right Out: 352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

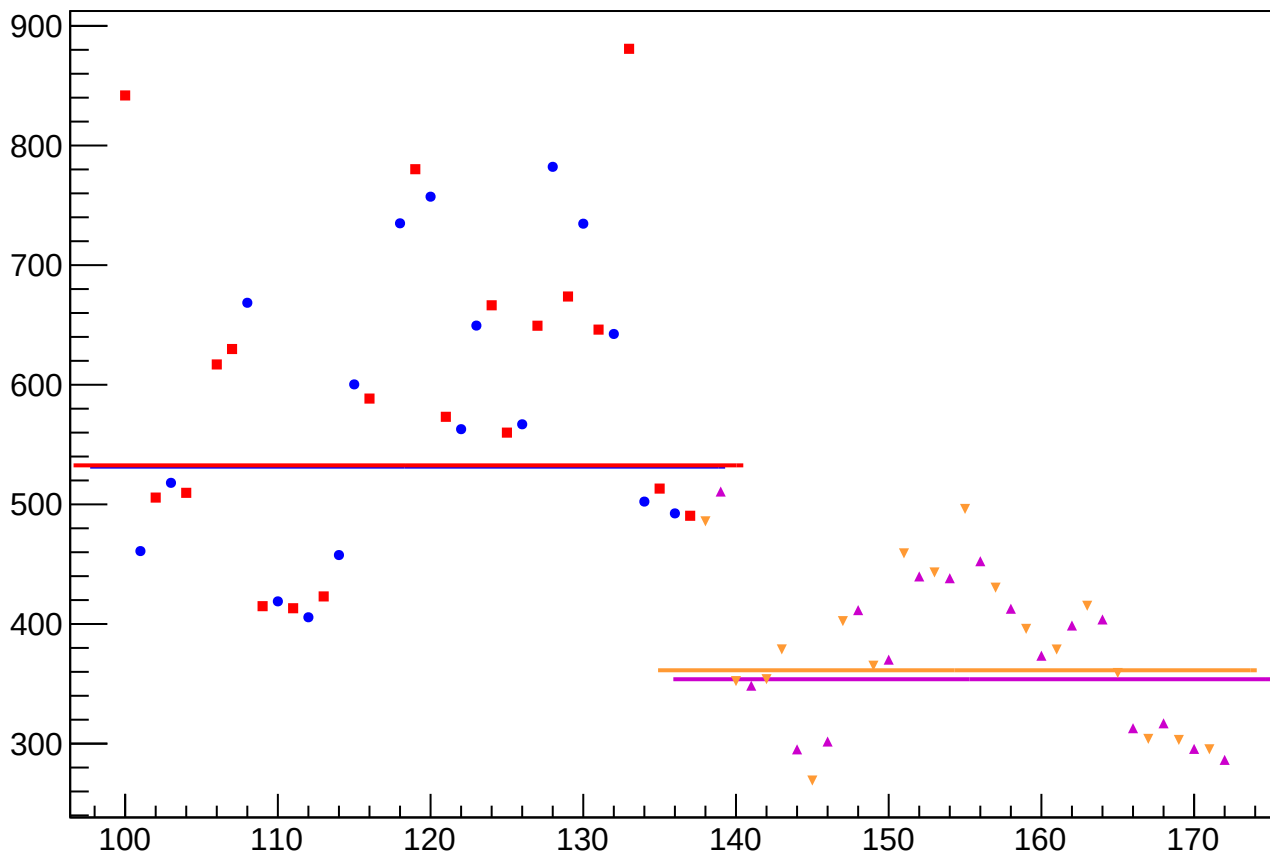
Left In: -12.922 $\pm$ 98.880 χ^2 /NDF: 18.5/16

+ sign 473.672 $\pm$ 90.460 χ^2 /NDF: 78.8/34

All: 261.595 $\pm$ 63.471 χ^2 /NDF: 119.1/70

- 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: 361.320 $\pm$ 0.071 χ^2 /NDF: 810347.1/17

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

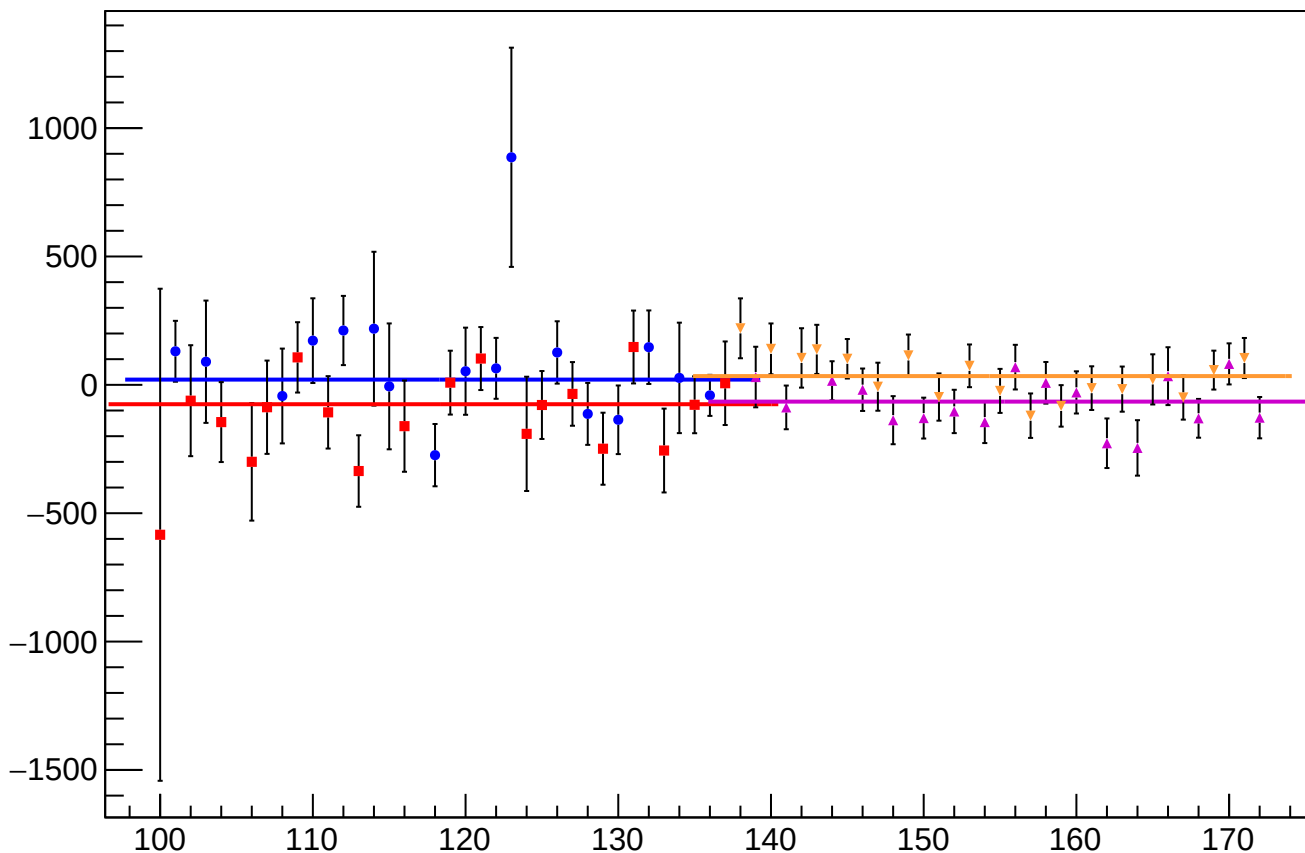
Left In: 353.828 $\pm$ 0.070 χ^2 /NDF: 742854.9/16

+ sign 392.414 $\pm$ 0.064 χ^2 /NDF: 2417842.3/34

All: 389.929 $\pm$ 0.045 χ^2 /NDF: 5011614.5/70

- 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: 34.114+/-20.744 χ^2/NDF : 16.4/17

Right Out: -75.454+/-34.698 χ^2/NDF : 15.4/18

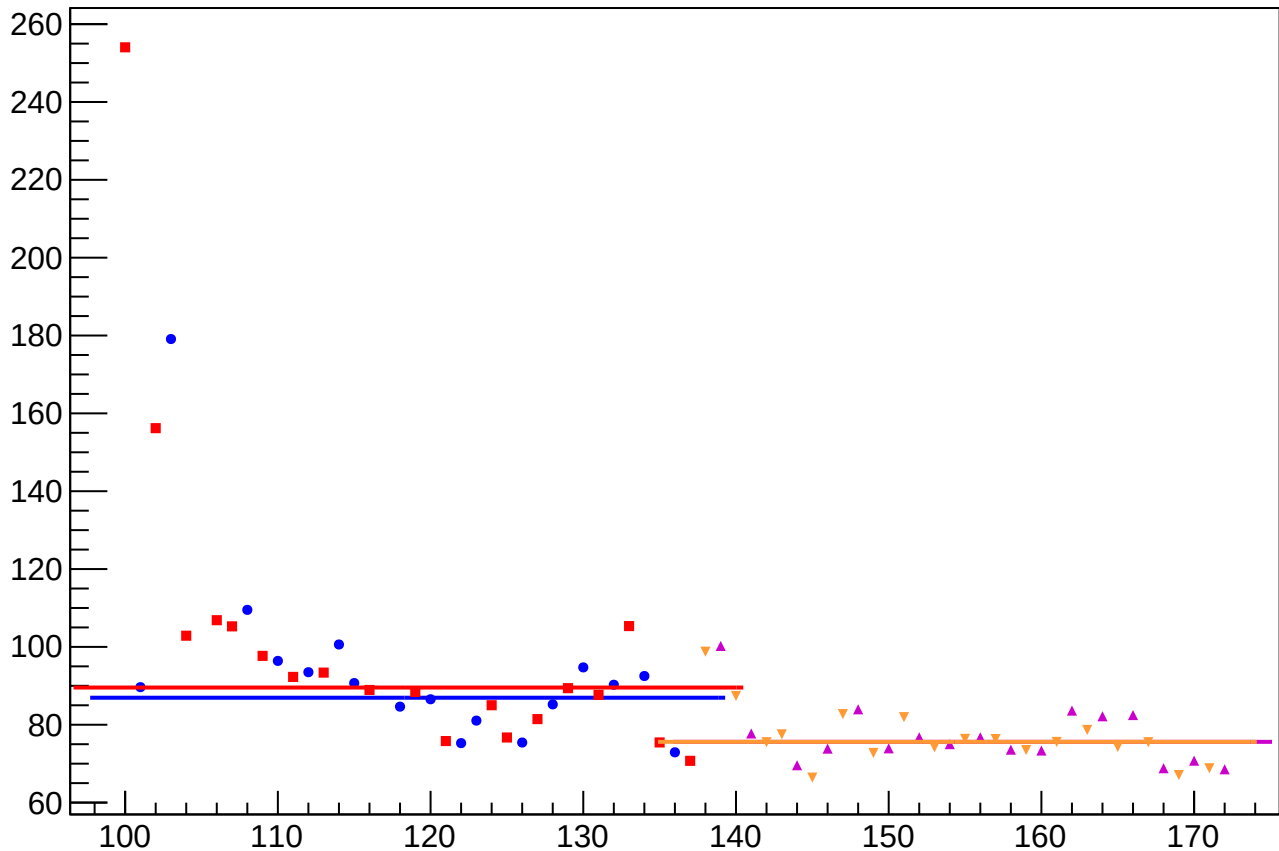
Left In: -65.323+/-20.939 χ^2/NDF : 19.1/16

+ sign 30.496+/-17.789 χ^2/NDF : 35.8/34

All: -18.384+/-12.627 χ^2/NDF : 85.5/70

- 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: 75.607+/-0.015 χ^2/NDF : 205571.0/17

Right Out: 89.561+/-0.025 χ^2/NDF : 431229.7/18

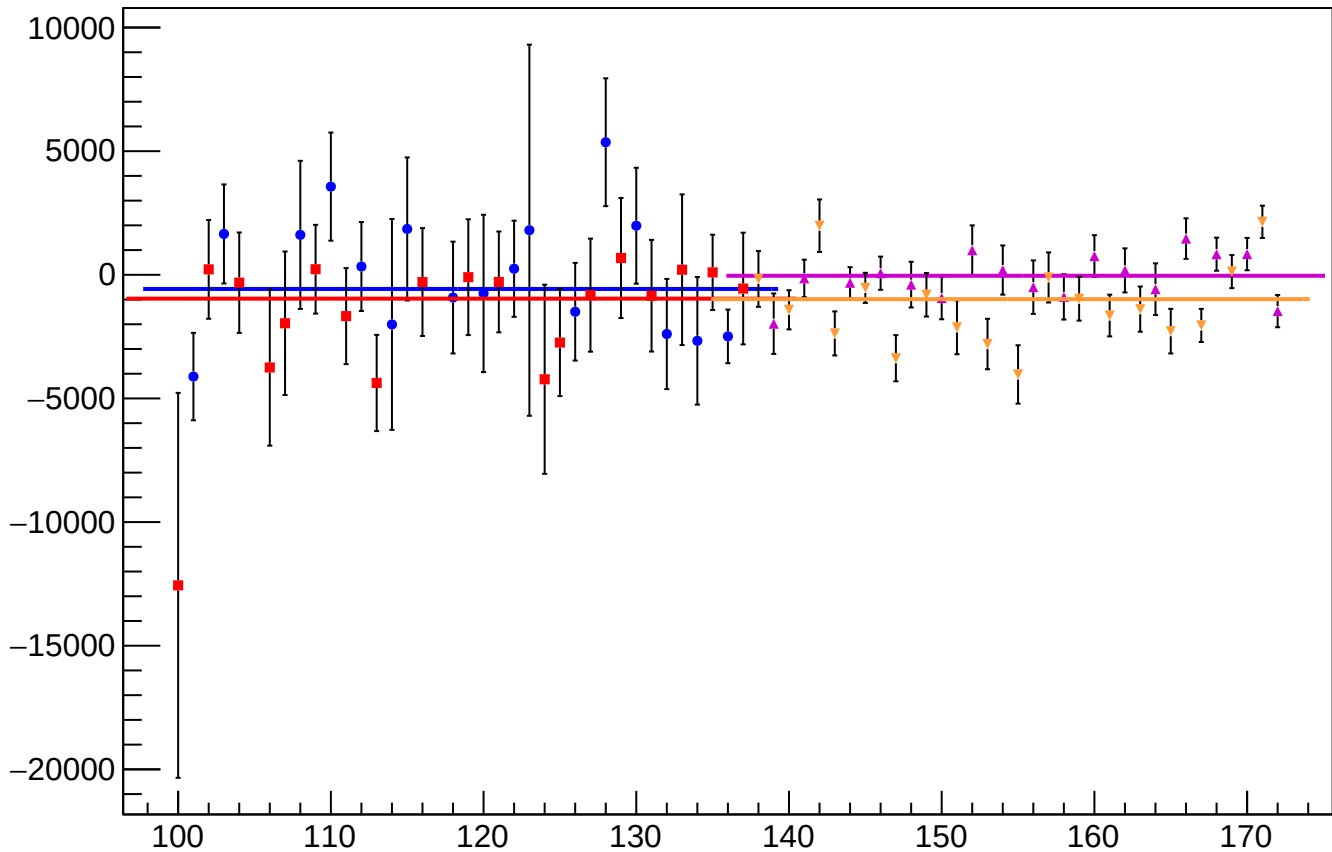
Left In: 75.605+/-0.015 χ^2/NDF : 189706.1/16

+ sign 78.607+/-0.013 χ^2/NDF : 819393.6/34

All: 78.966+/-0.009 χ^2/NDF : 1679134.4/70

- sign 79.331+/-0.013 χ^2/NDF : 858096.6/35

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 $\pm$ 517.020 χ^2/NDF : 21.9/16

Left Out: -983.866 $\pm$ 199.654 χ^2/NDF : 61.0/17

Right Out: -963.846 $\pm$ 514.621 χ^2/NDF : 10.1/18

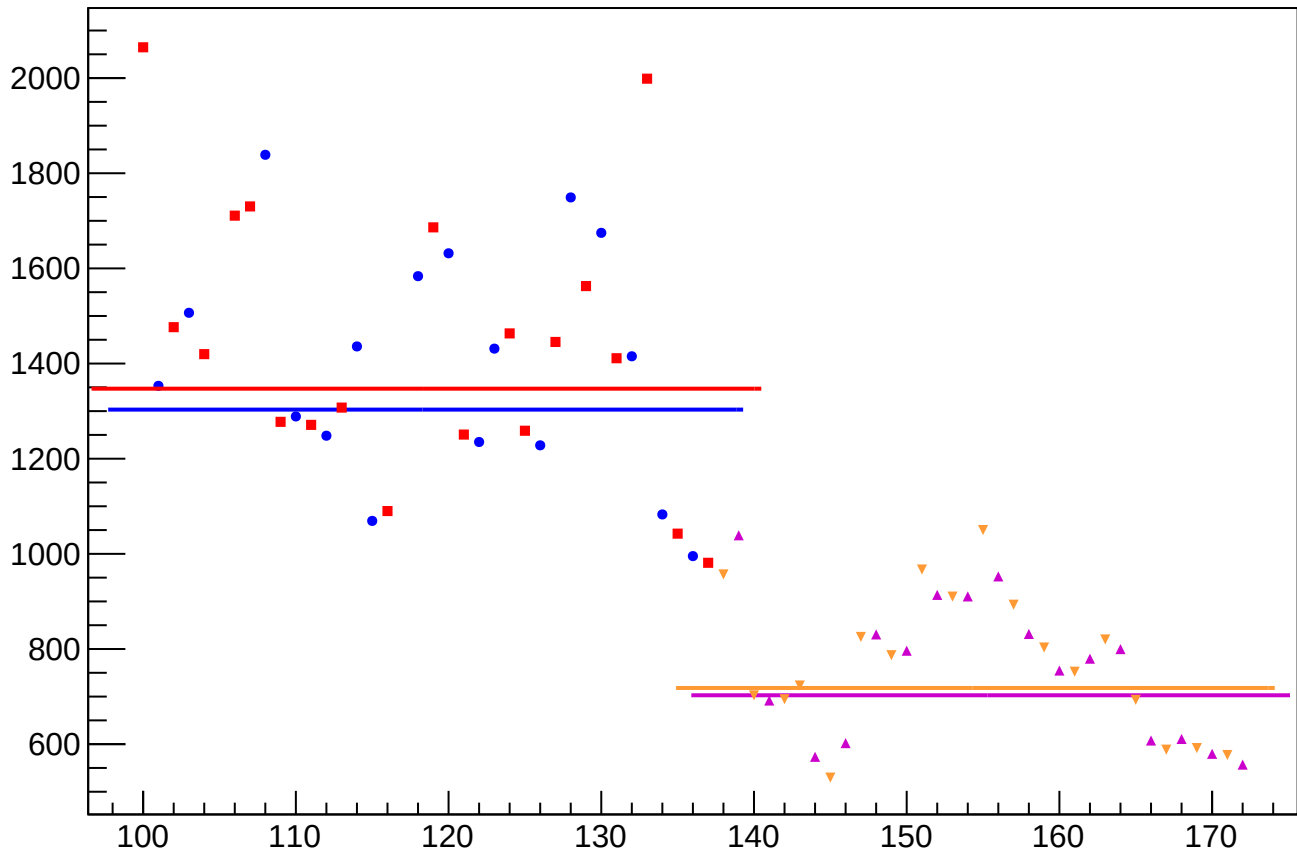
Left In: -38.395 $\pm$ 197.159 χ^2/NDF : 19.0/16

+ sign -930.462 $\pm$ 186.250 χ^2/NDF : 83.4/34

All: -539.183 $\pm$ 130.935 χ^2/NDF : 124.1/70

- sign -156.844 $\pm$ 184.110 χ^2/NDF : 31.9/35

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201 $\pm$ 0.366 χ^2 /NDF: 451961.9/16

Left Out: 718.115 $\pm$ 0.141 χ^2 /NDF:1002363.1/17

Right Out: 1347.177 $\pm$ 0.364 χ^2 /NDF: 420774.0/18

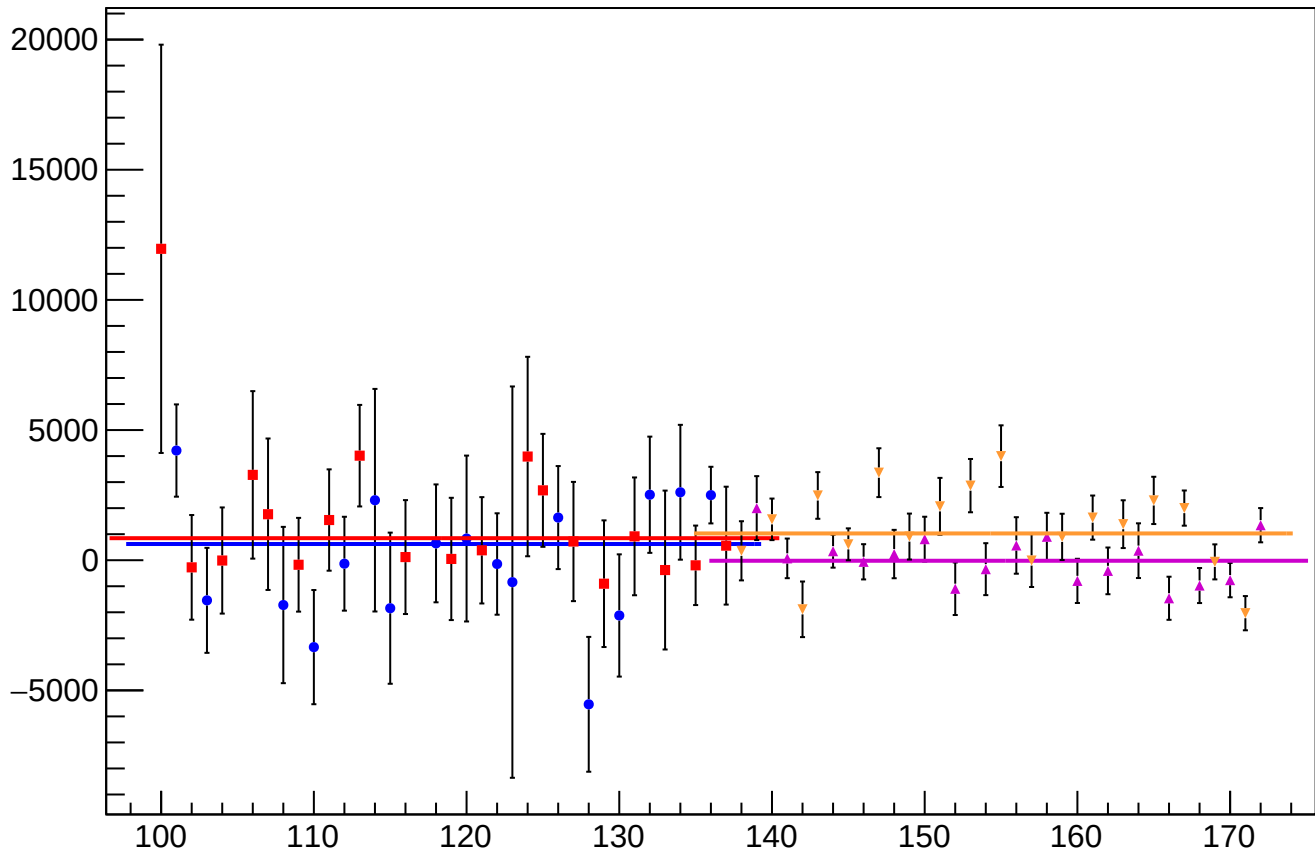
Left In: 702.752 $\pm$ 0.139 χ^2 /NDF:939958.2/16

+ sign 794.042 $\pm$ 0.132 χ^2 /NDF: 3683215.0/34

All: 789.586 $\pm$ 0.093 χ^2 /NDF: 7780975.3/70

- sign 785.233 $\pm$ 0.130 χ^2 /NDF: 4095497.6/35

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1028.491 $\pm$ 200.869 χ^2 /NDF:58.1/17

Right Out: 846.021 $\pm$ 516.325 χ^2 /NDF: 9.1/18

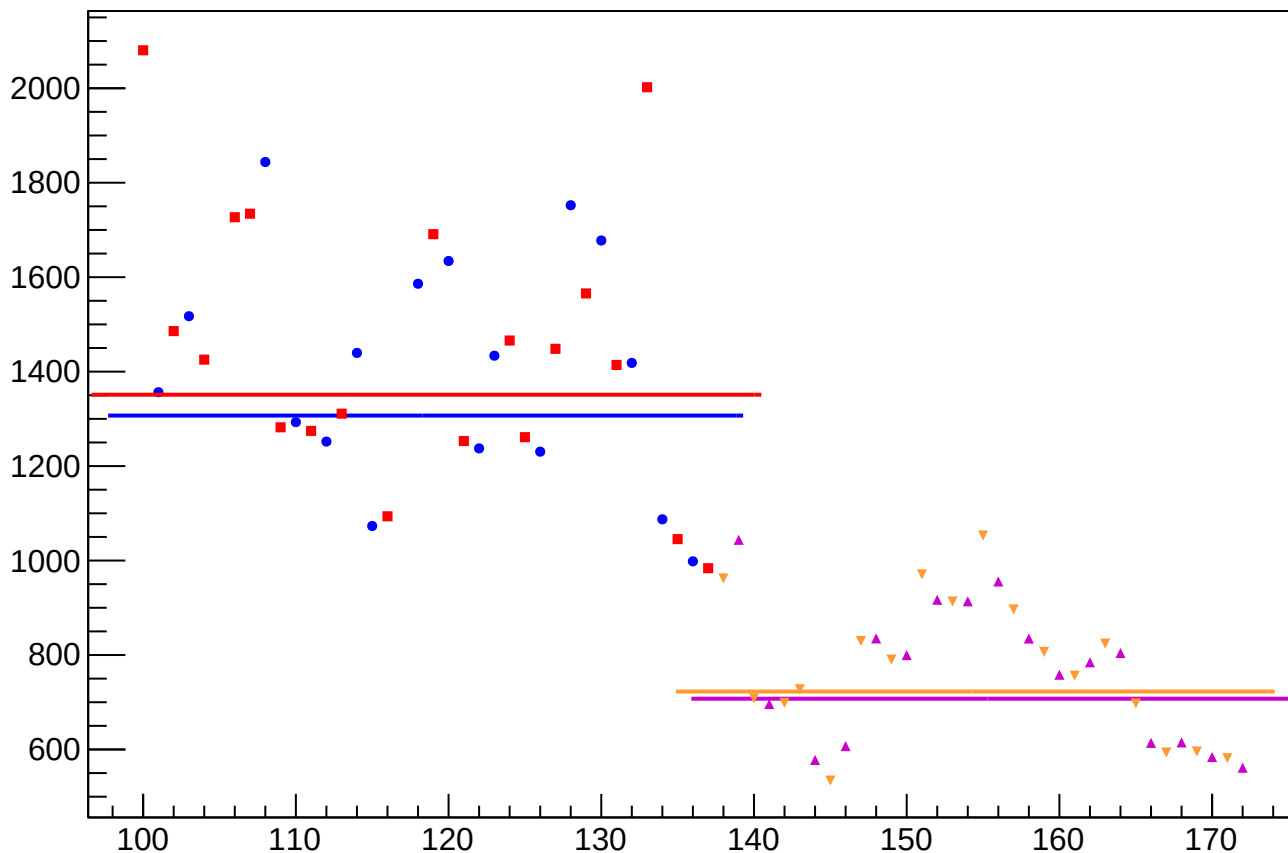
Left In: -21.071 $\pm$ 198.415 χ^2 /NDF:18.4/16

+ sign 975.498 $\pm$ 187.305 χ^2 /NDF: 80.6/34

All: 528.024 $\pm$ 131.698 χ^2 /NDF: 121.8/70

- sign 90.500 $\pm$ 185.211 χ^2 /NDF: 29.9/35

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 χ^2/NDF : 451191.7/16

Left Out: 722.703 ± 0.142 χ^2/NDF : 986951.9/17

Right Out: 1351.096 ± 0.365 χ^2/NDF : 421804.6/18

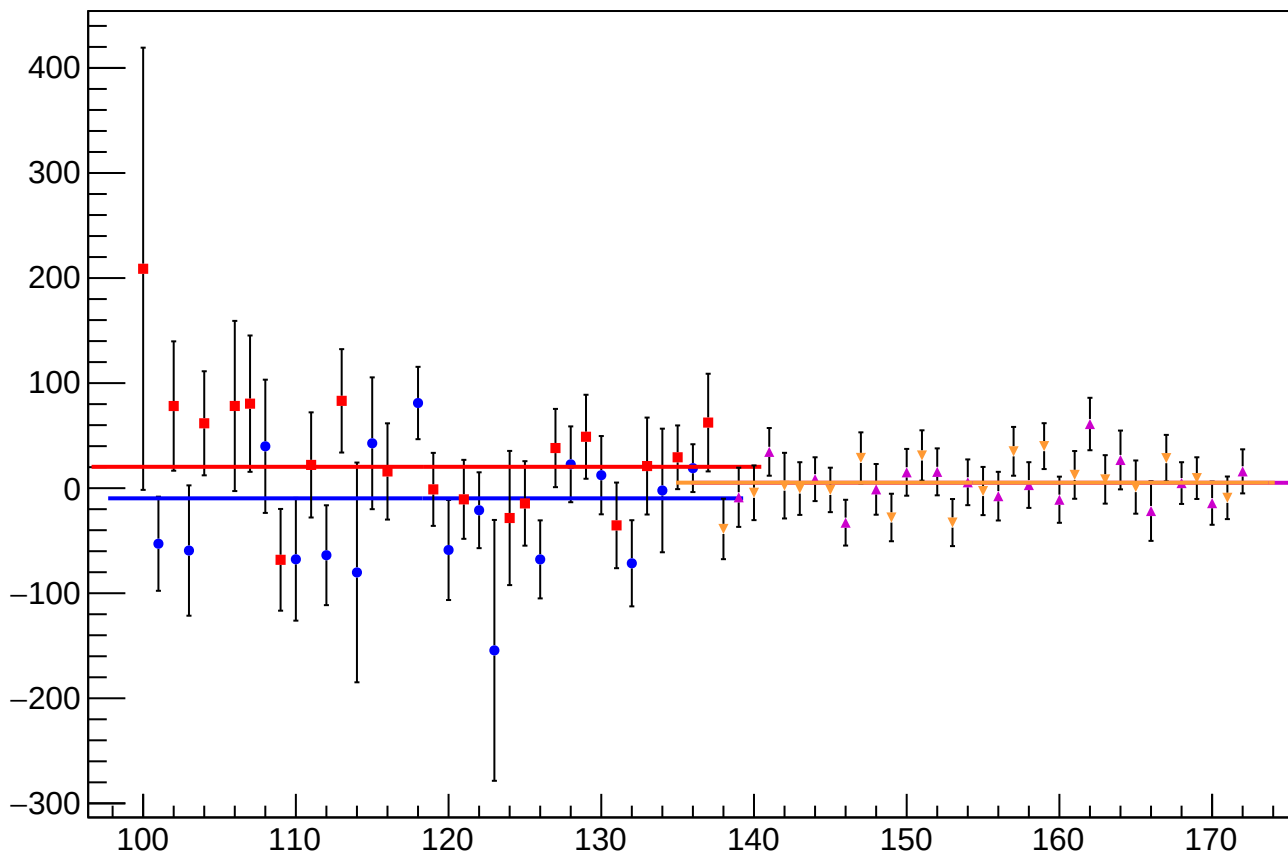
Left In: 707.453 ± 0.140 χ^2/NDF : 924771.8/16

+ sign 798.950 ± 0.132 χ^2/NDF : 3646394.0/34

All: 794.563 ± 0.093 χ^2/NDF : 7703184.9/70

- sign 790.273 ± 0.131 χ^2/NDF : 4054620.3/35

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 5.244 ± 5.492 χ^2/NDF : 15.9/17

Right Out: 20.335 ± 10.444 χ^2/NDF : 14.7/18

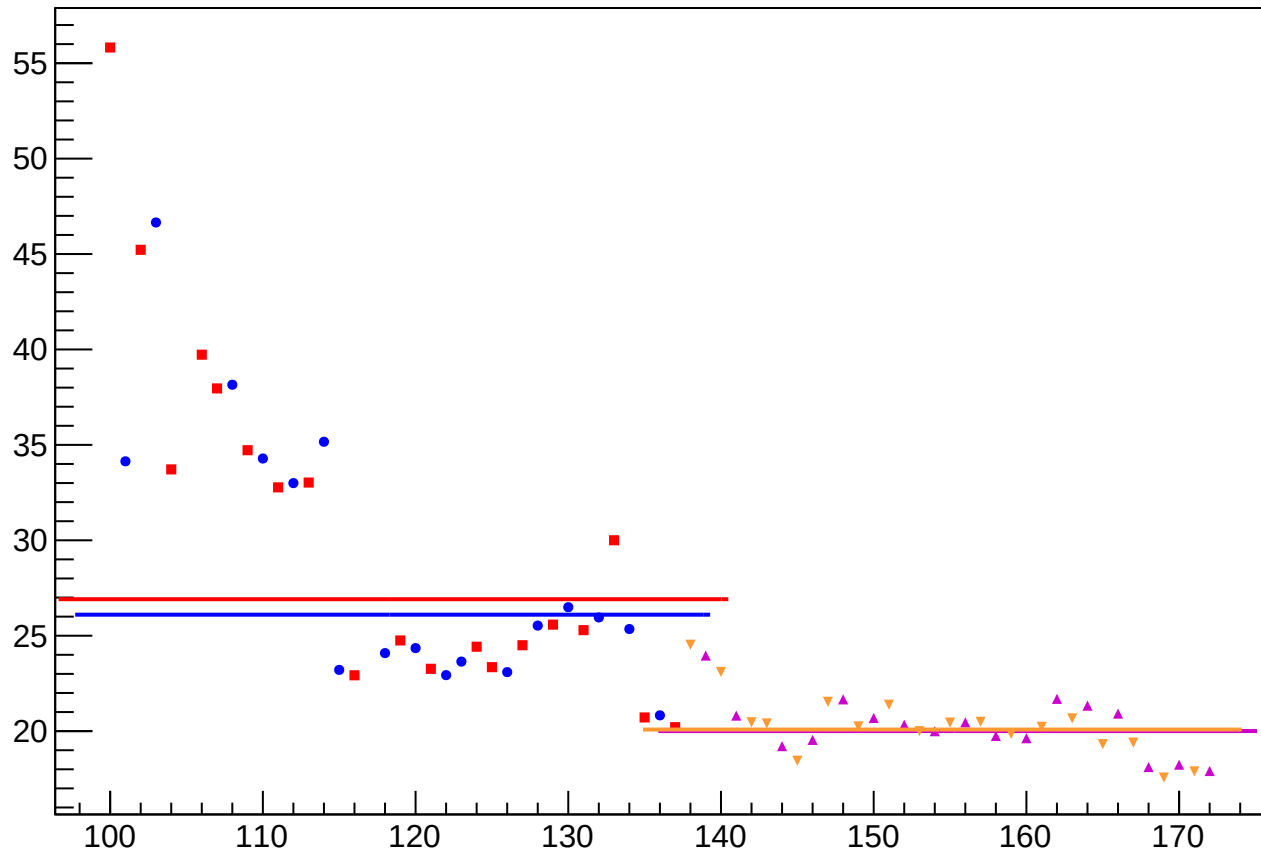
Left In: 5.123 ± 5.523 χ^2/NDF : 14.0/16

+ sign 1.996 ± 4.857 χ^2/NDF : 40.1/34

All: 5.205 ± 3.443 χ^2/NDF : 71.3/70

- sign 8.448 ± 4.882 χ^2/NDF : 30.3/35

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 20.083+/-0.004 χ^2/NDF :162328.6/17

Right Out: 26.914+/-0.007 χ^2/NDF : 678970.2/18

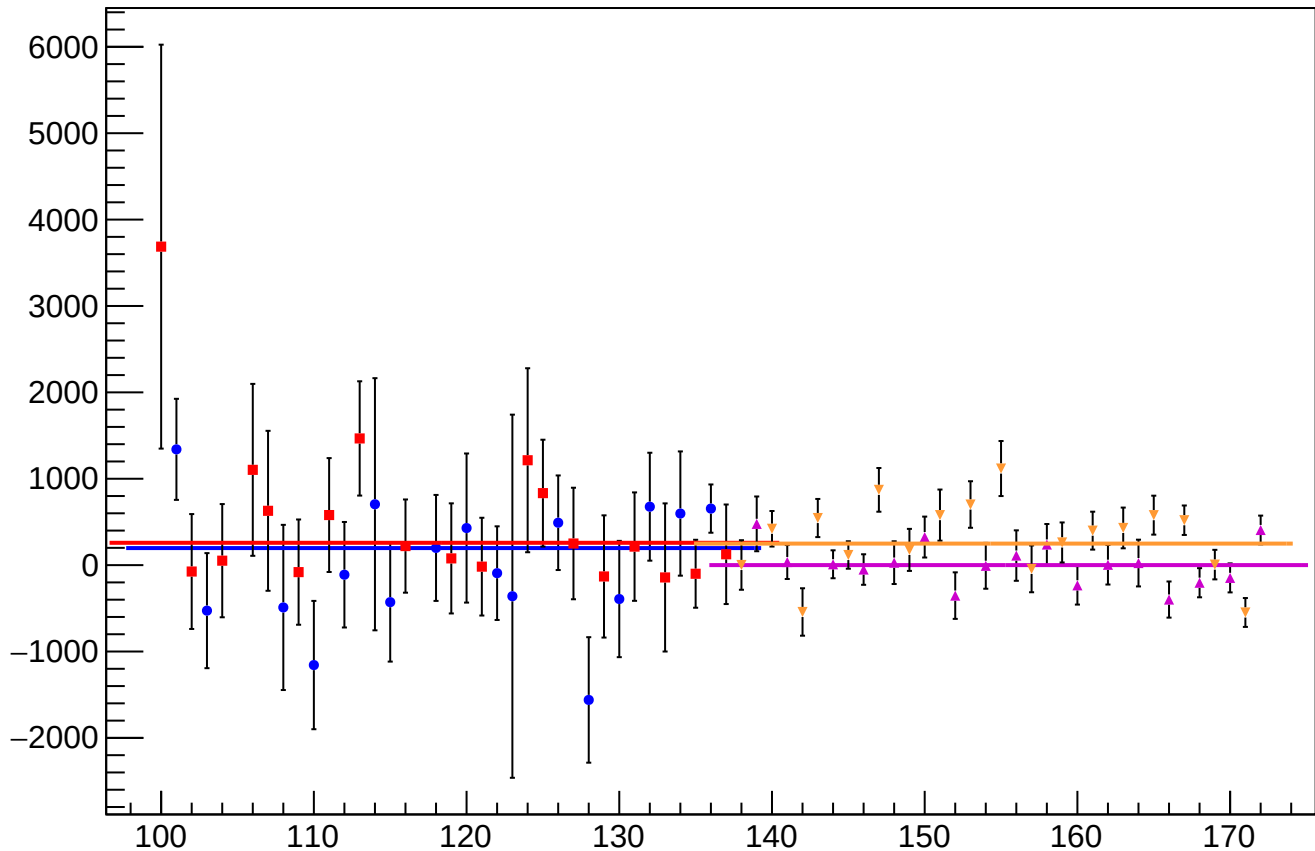
Left In: 20.005+/-0.004 χ^2/NDF :127421.9/16

+ sign 21.394+/-0.003 χ^2/NDF : 1289680.2/34

All: 21.454+/-0.002 χ^2/NDF : 2780676.4/70

- 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: 249.242 ± 51.860 χ^2/NDF : 61.5/17

Right Out: 258.537 ± 149.867 χ^2/NDF : 10.7/18

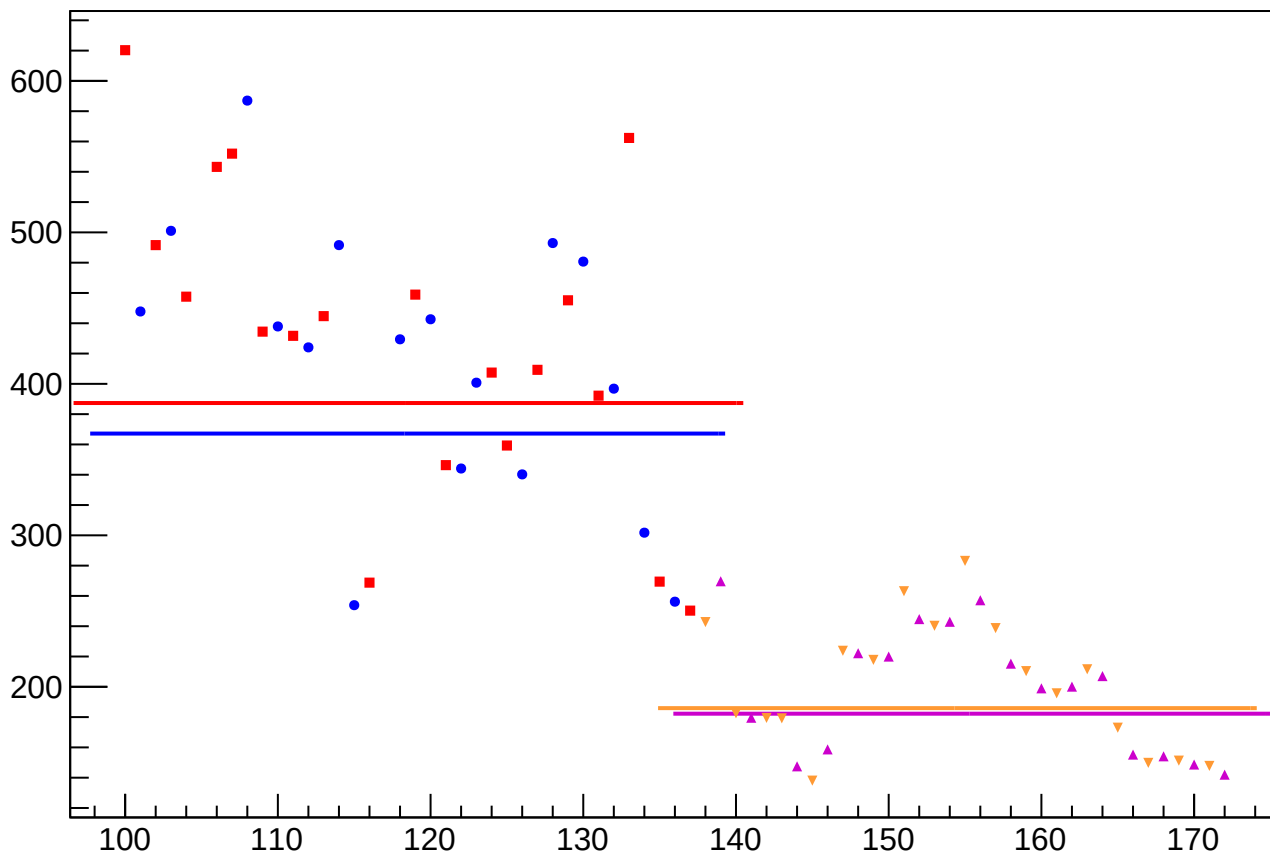
Left In: 0.366 ± 51.287 χ^2/NDF : 20.1/16

+ sign 243.557 ± 48.938 χ^2/NDF : 82.6/34

All: 134.577 ± 34.457 χ^2/NDF : 125.9/70

- 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: 185.920 $\pm$ 0.037 χ^2 /NDF:1154738.8/17

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

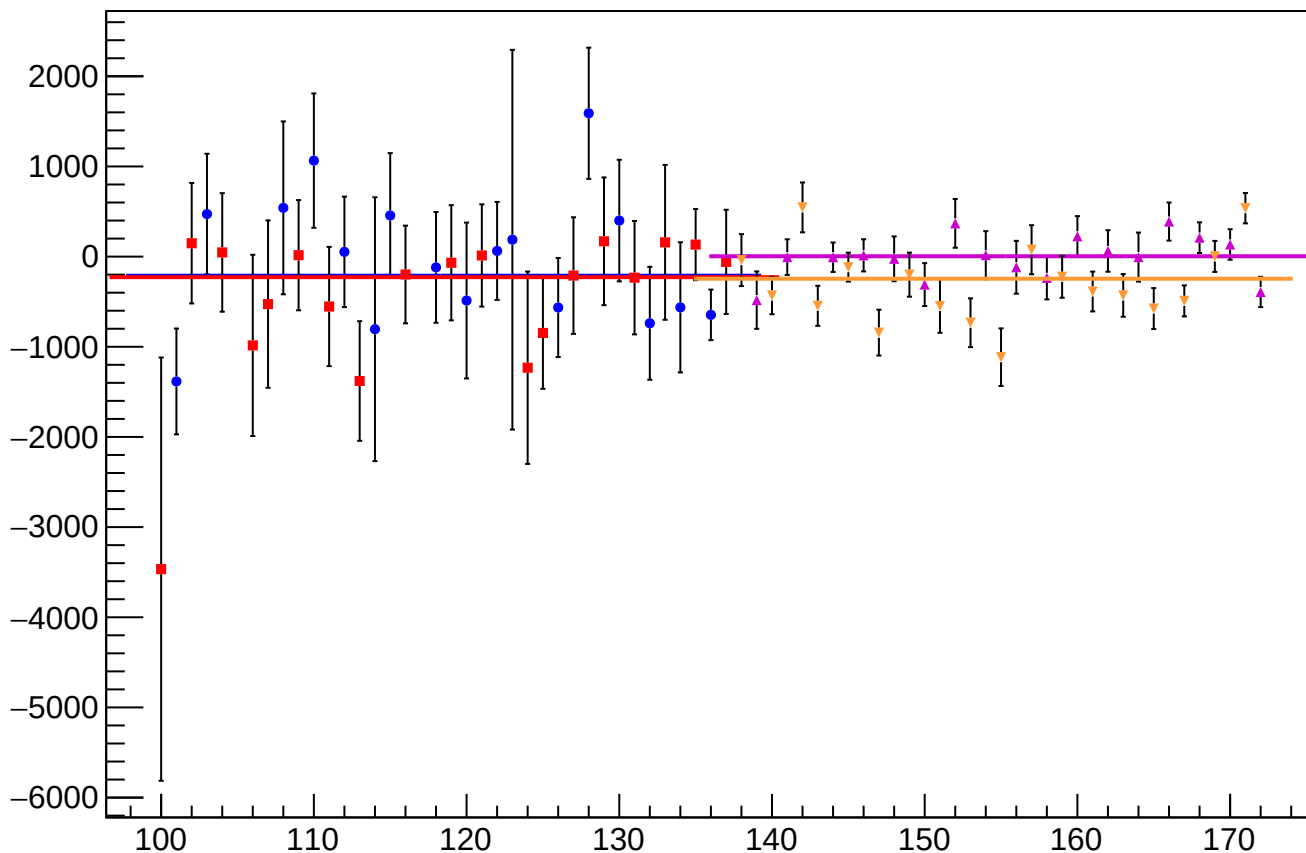
Left In: 182.253 $\pm$ 0.036 χ^2 /NDF:1091695.1/16

+ sign 205.770 $\pm$ 0.035 χ^2 /NDF: 4657509.4/34

All: 204.754 $\pm$ 0.024 χ^2 /NDF: 9878313.9/70

- 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: -245.085 ± 52.189 χ^2/NDF : 59.5/17

Right Out: -227.831 ± 150.317 χ^2/NDF : 10.1/18

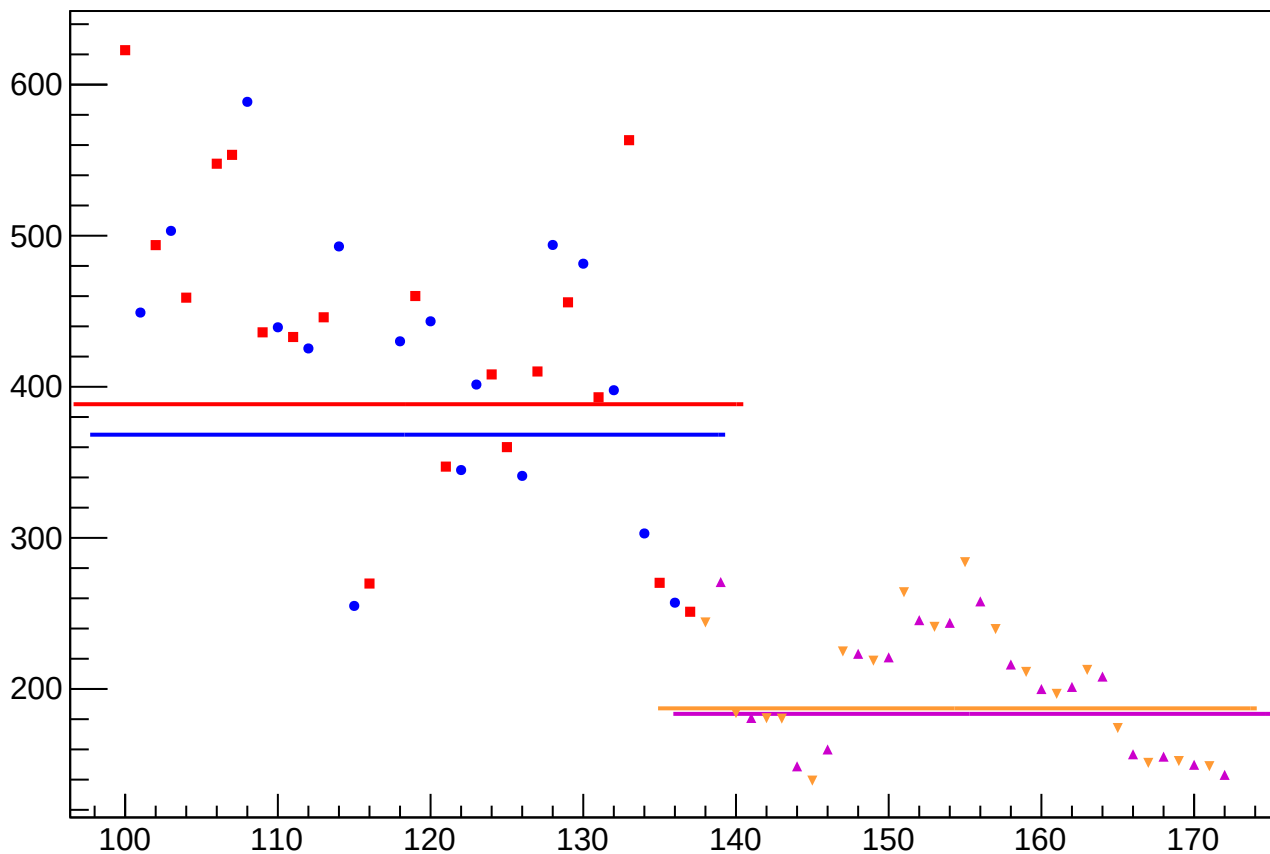
Left In: 4.037 ± 51.624 χ^2/NDF : 19.1/16

+ sign -241.424 ± 49.230 χ^2/NDF : 80.6/34

All: -130.012 ± 34.667 χ^2/NDF : 122.0/70

- 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: 187.174 $\pm$ 0.037 χ^2 /NDF:1136316.9/17

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

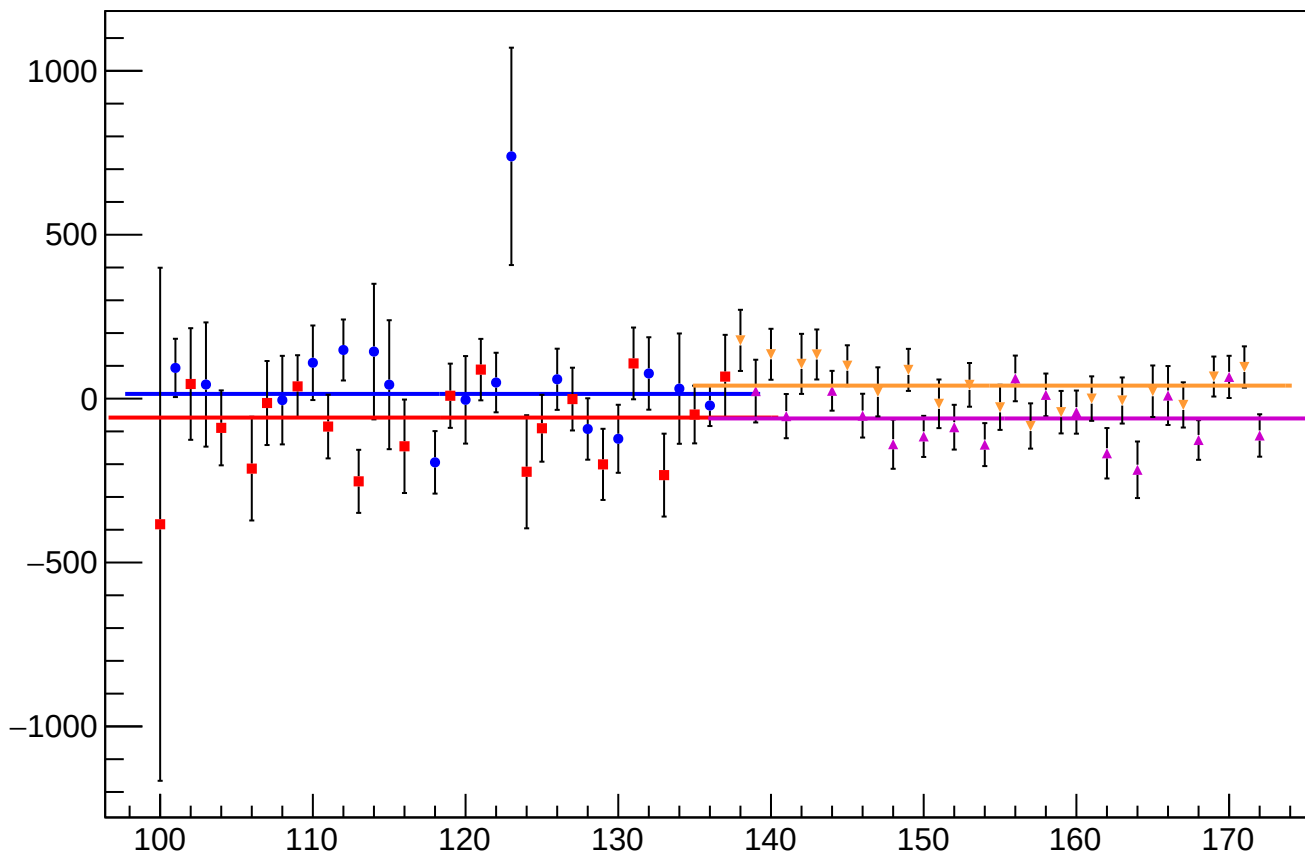
Left In: 183.524 $\pm$ 0.037 χ^2 /NDF:1073335.6/16

+ sign 207.130 $\pm$ 0.035 χ^2 /NDF: 4615108.0/34

All: 206.130 $\pm$ 0.025 χ^2 /NDF: 9790478.7/70

- sign 205.148 $\pm$ 0.035 χ^2 /NDF: 5173736.2/35

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 39.707+/-16.601 χ^2/NDF : 16.1/17

Right Out: -57.795+/-26.121 χ^2/NDF : 18.4/18

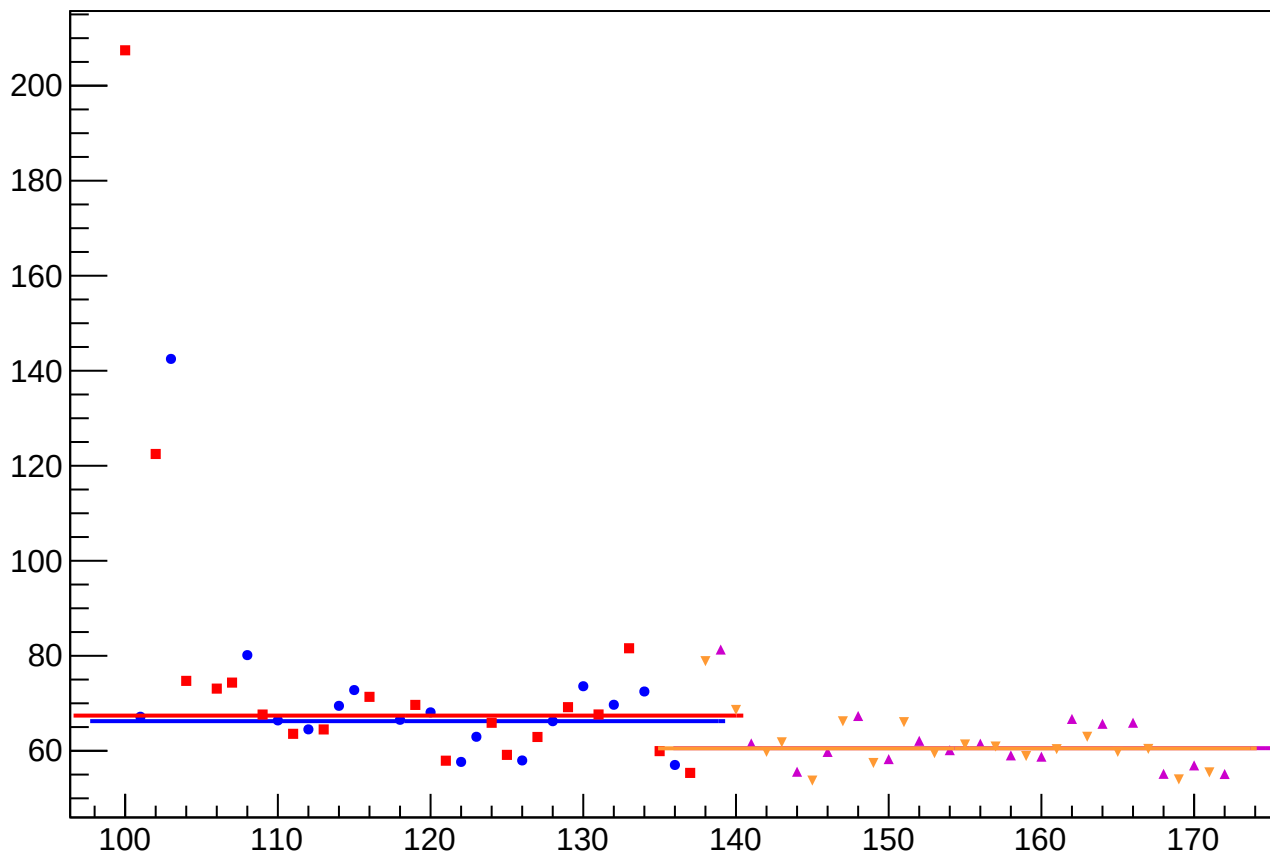
Left In: -60.498+/-16.768 χ^2/NDF : 22.1/16

+ sign 32.506+/-14.043 χ^2/NDF : 34.5/34

All: -13.379+/-9.954 χ^2/NDF : 96.5/70

- sign -59.709+/-14.111 χ^2/NDF : 40.5/35

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 60.523+/-0.012 χ^2/NDF :191195.1/17

Right Out: 67.415+/-0.018 χ^2/NDF : 393608.5/18

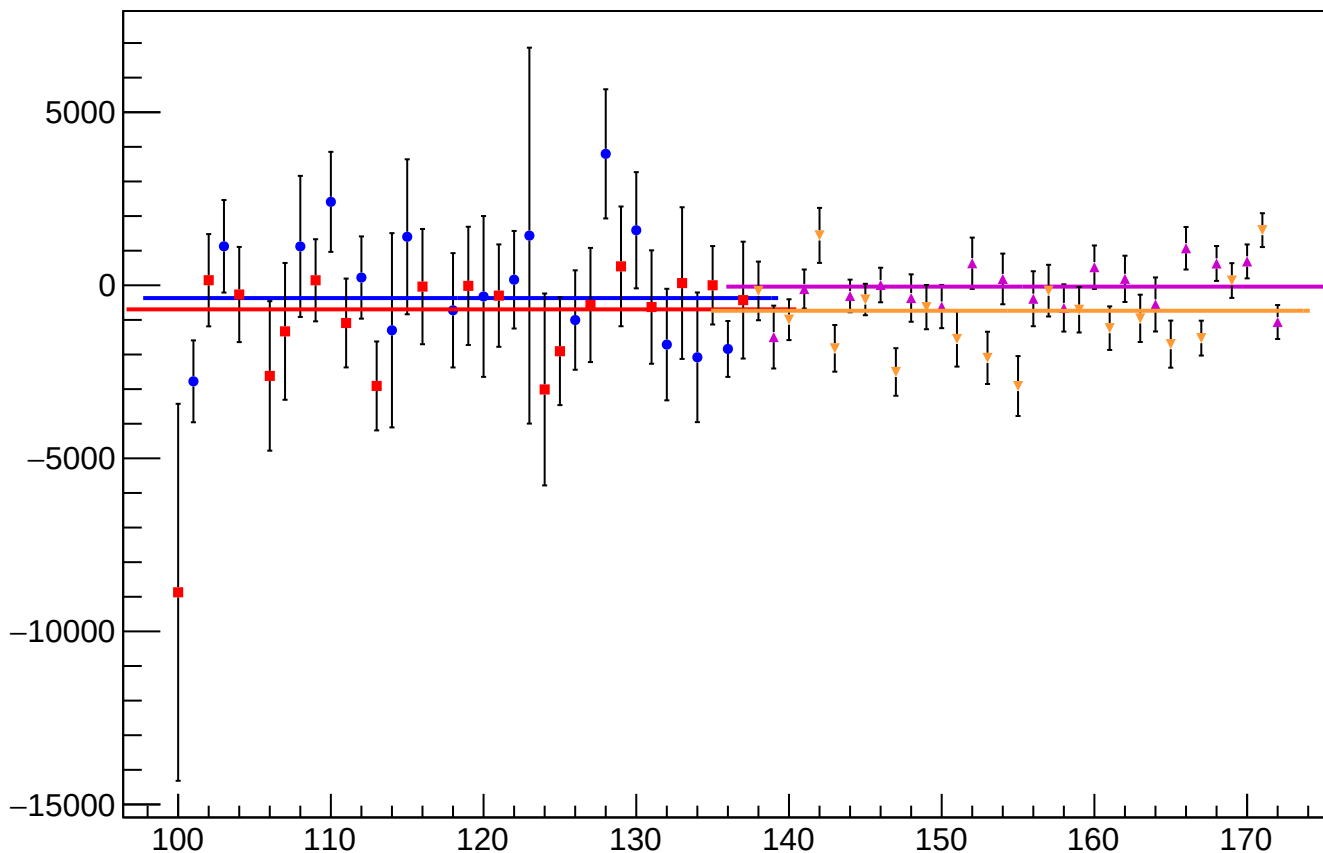
Left In: 60.557+/-0.012 χ^2/NDF :194495.9/16

+ sign 62.151+/-0.010 χ^2/NDF : 699770.1/34

All: 62.354+/-0.007 χ^2/NDF : 1386337.2/70

- sign 62.559+/-0.010 χ^2/NDF : 685726.6/35

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 $\pm$ 366.432 χ^2 /NDF: 22.3/16

Left Out: -735.466 $\pm$ 148.829 χ^2 /NDF:60.0/17

Right Out: -695.425 $\pm$ 361.887 χ^2 /NDF: 9.9/18

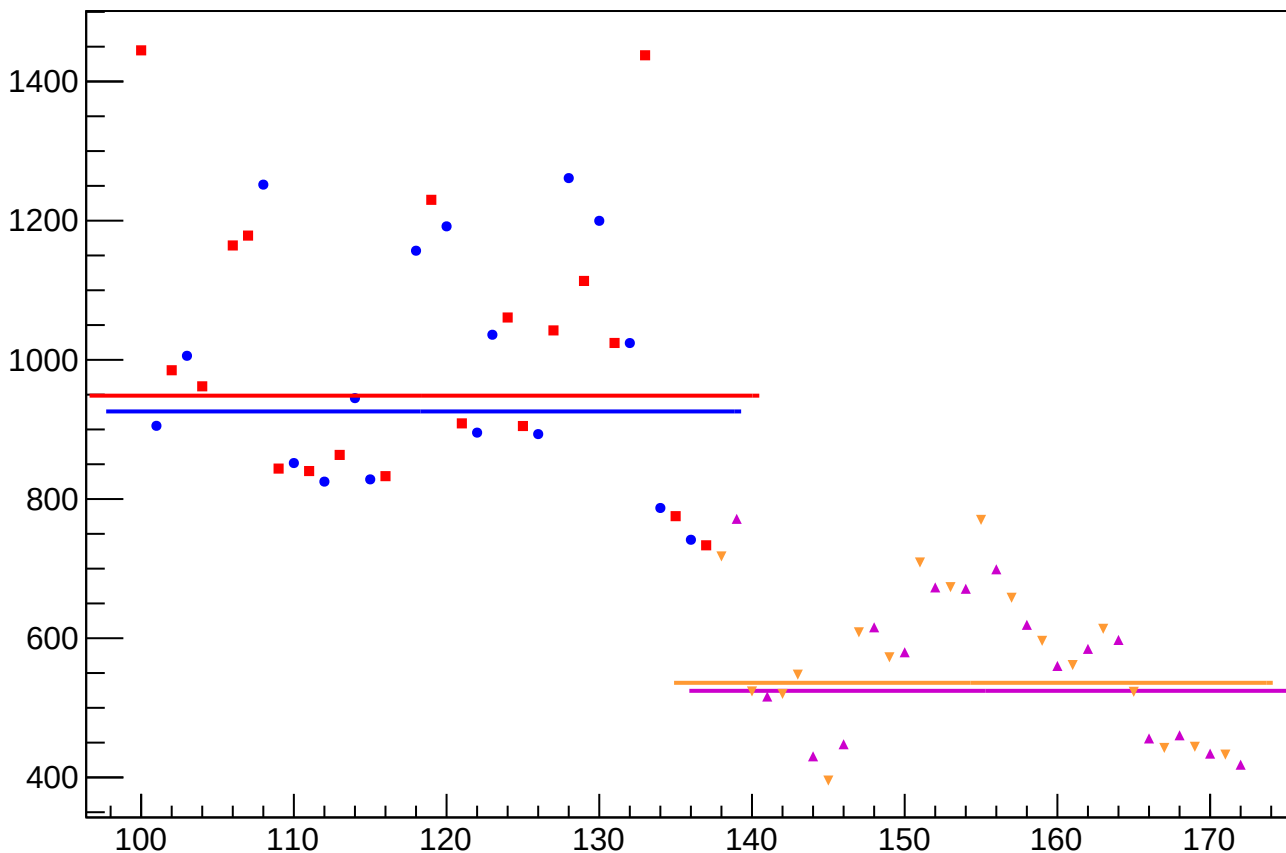
Left In: -38.512 $\pm$ 146.959 χ^2 /NDF:18.9/16

+ sign -683.650 $\pm$ 137.890 χ^2 /NDF: 83.2/34

All: -404.094 $\pm$ 96.885 χ^2 /NDF: 122.9/70

- sign -131.507 $\pm$ 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: 535.945 $\pm$ 0.105 χ^2 /NDF: 946158.1/17

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

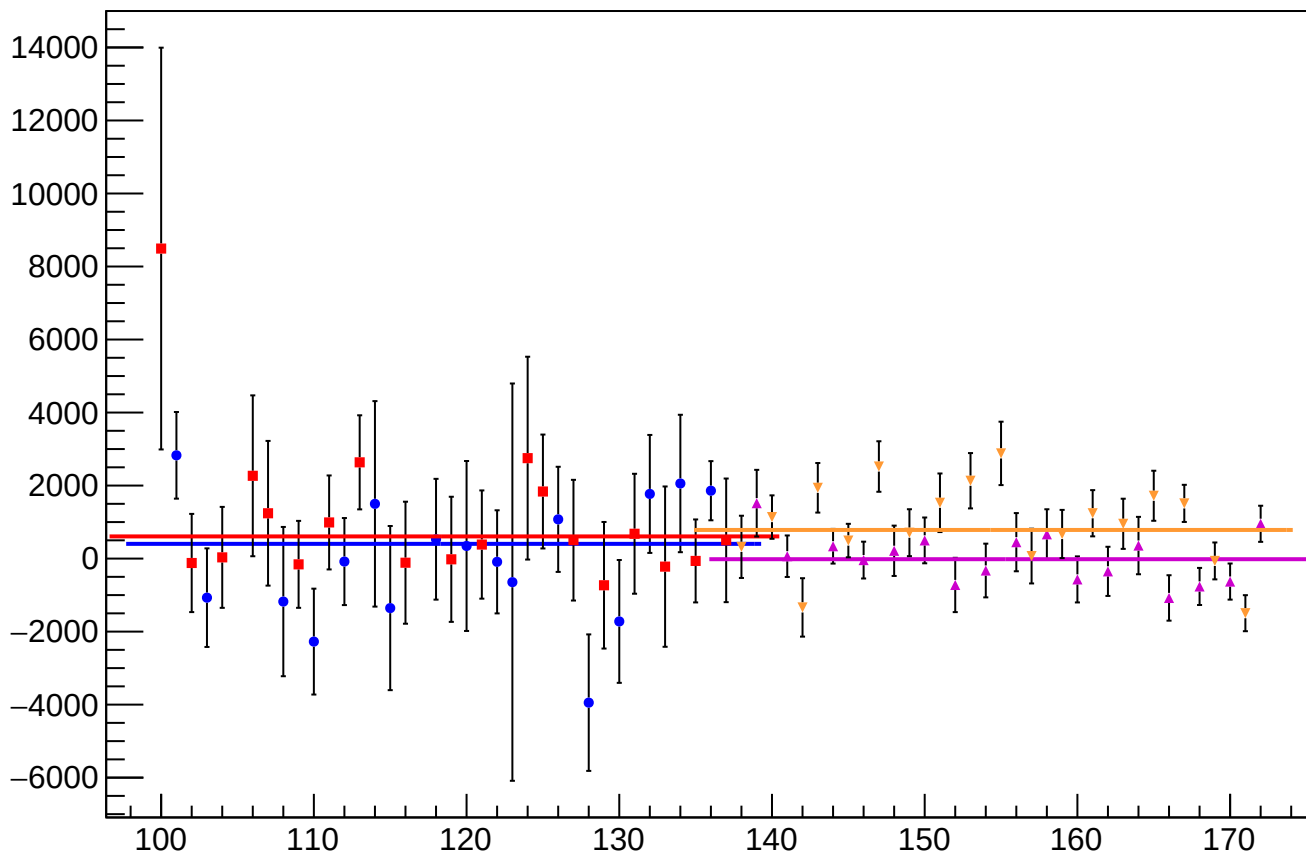
Left In: 524.427 $\pm$ 0.104 χ^2 /NDF: 881674.9/16

+ sign 591.162 $\pm$ 0.098 χ^2 /NDF: 3281366.3/34

All: 587.773 $\pm$ 0.069 χ^2 /NDF: 6905562.0/70

- sign 584.468 $\pm$ 0.096 χ^2 /NDF: 3621808.7/35

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591 $\pm$ 367.686 χ^2 /NDF: 22.4/16

Left Out: 784.247 $\pm$ 149.865 χ^2 /NDF:56.7/17

Right Out: 607.276 $\pm$ 363.327 χ^2 /NDF: 8.8/18

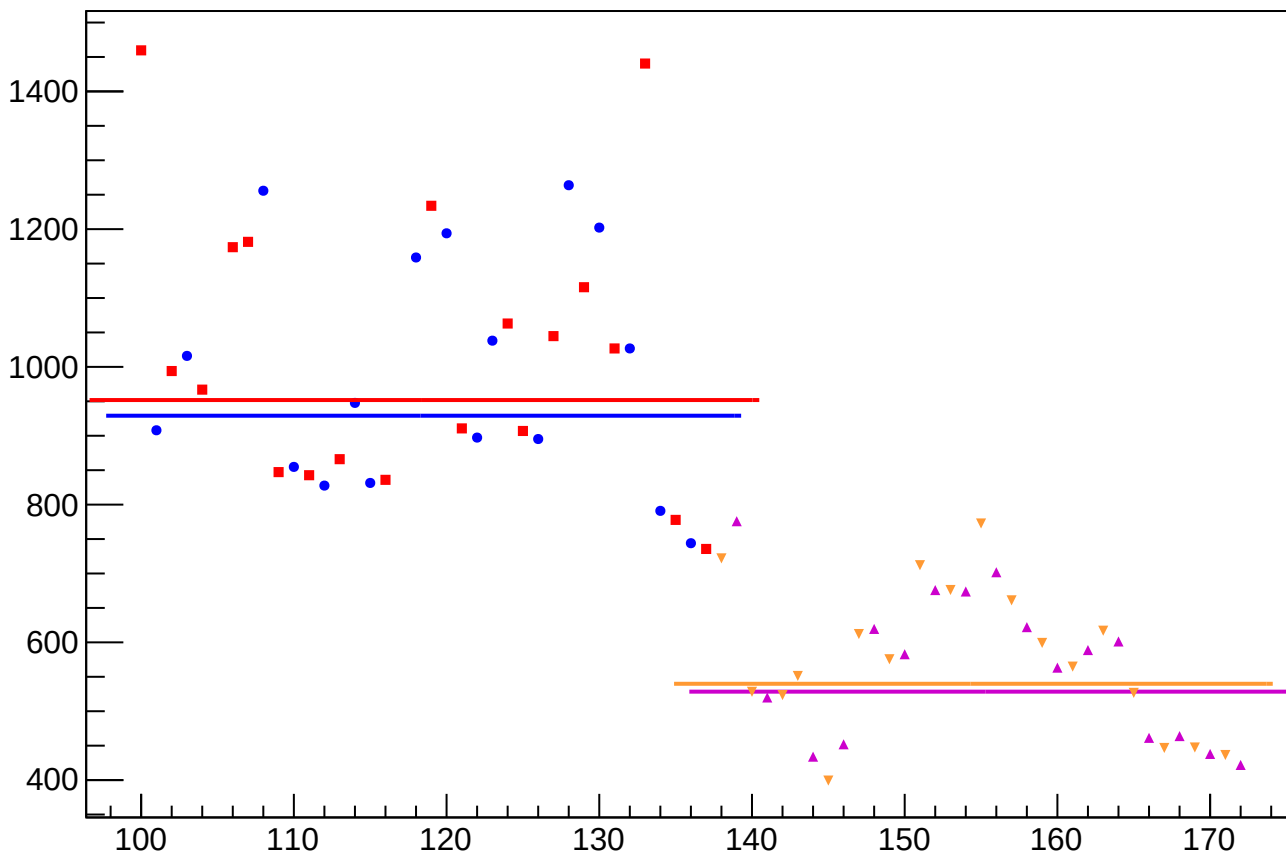
Left In: -16.771 $\pm$ 148.028 χ^2 /NDF:18.3/16

+ sign 730.018 $\pm$ 138.780 χ^2 /NDF: 80.1/34

All: 397.008 $\pm$ 97.528 χ^2 /NDF: 121.1/70

- sign 72.071 $\pm$ 137.087 χ^2 /NDF: 29.6/35

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 539.852 $\pm$ 0.106 χ^2 /NDF: 929128.3/17

Right Out: 951.847 $\pm$ 0.257 χ^2 /NDF: 382219.3/18

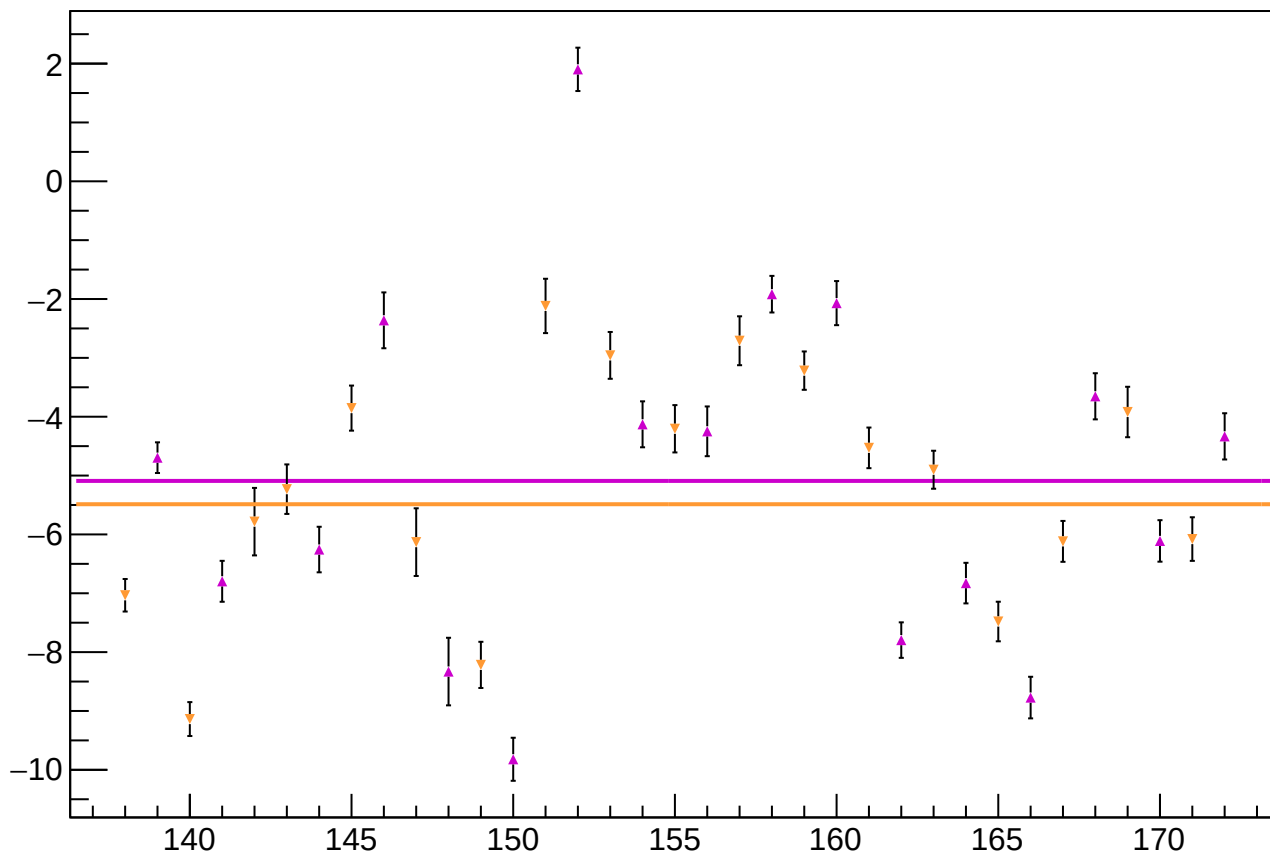
Left In: 528.421 $\pm$ 0.105 χ^2 /NDF: 865423.8/16

+ sign 595.305 $\pm$ 0.098 χ^2 /NDF: 3241513.7/34

All: 591.963 $\pm$ 0.069 χ^2 /NDF: 6821098.9/70

- sign 588.701 $\pm$ 0.097 χ^2 /NDF: 3577293.6/35

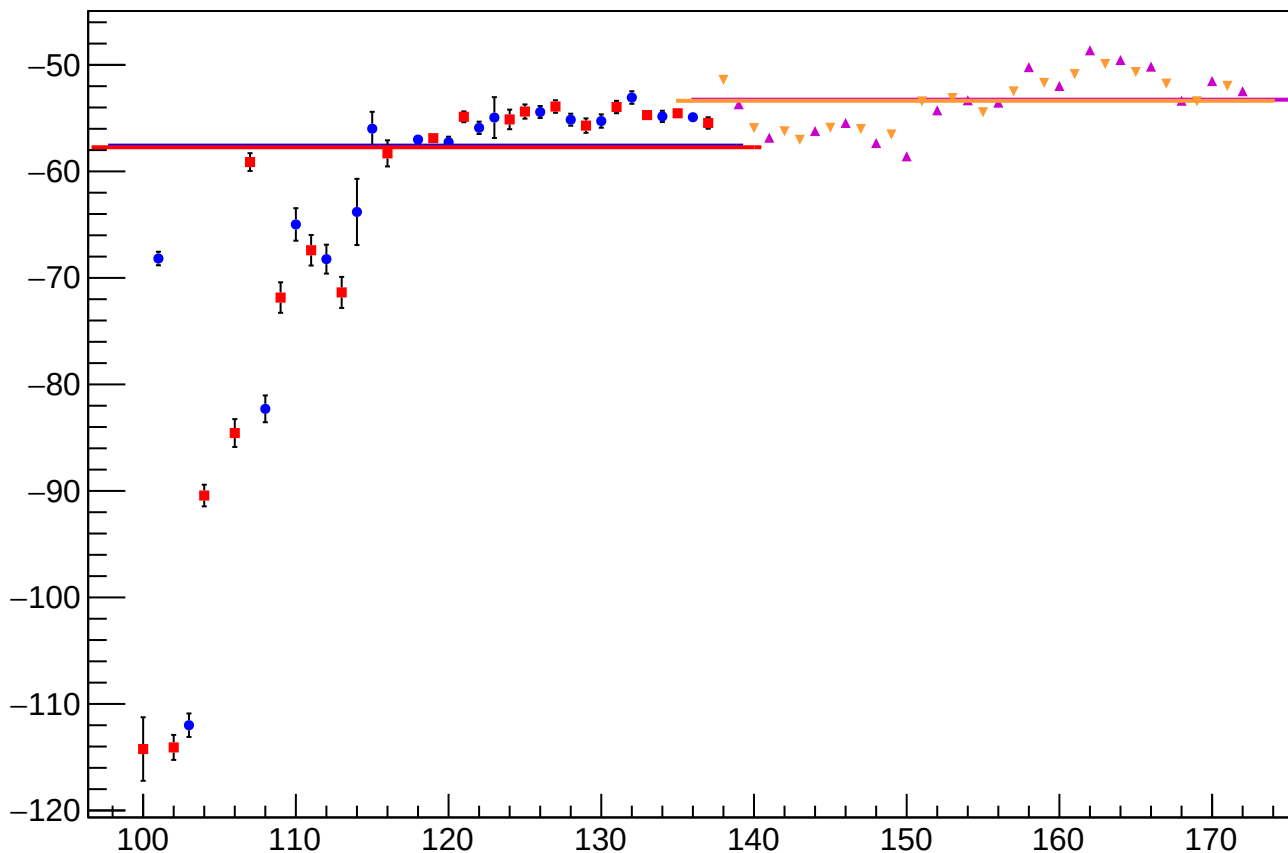
reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -5.487+/-0.088 χ^2/NDF : 522.7/17
 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: -5.289+/-0.062 χ^2/NDF : 1579.9/34
 - 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: -53.371 ± 0.066 χ^2/NDF : 1193.8/17

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

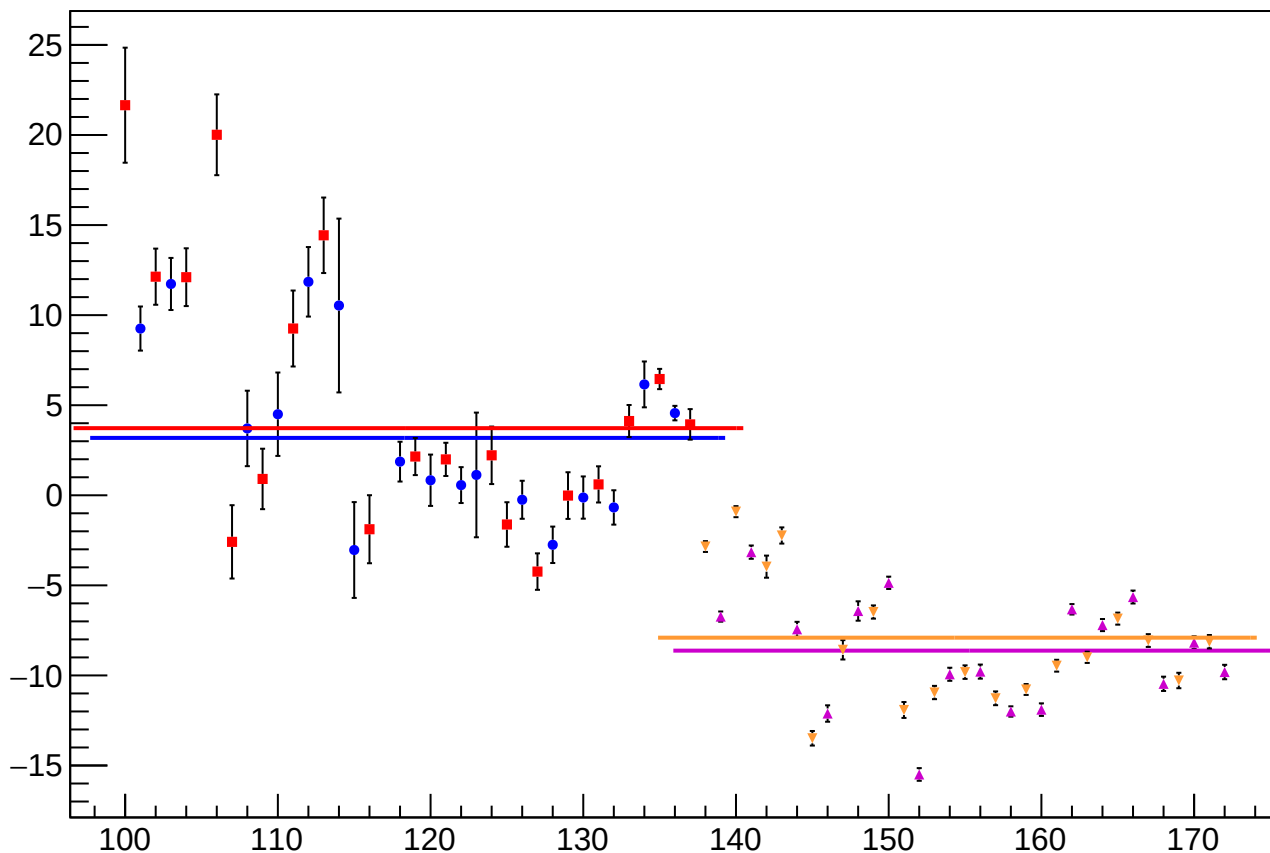
Left In: -53.265 ± 0.067 χ^2/NDF : 1937.1/16

+ sign -54.103 ± 0.060 χ^2/NDF : 5364.7/34

All: -54.089 ± 0.043 χ^2/NDF : 12799.6/70

- 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: -7.904 ± 0.087 χ^2/NDF : 1632.2/17

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

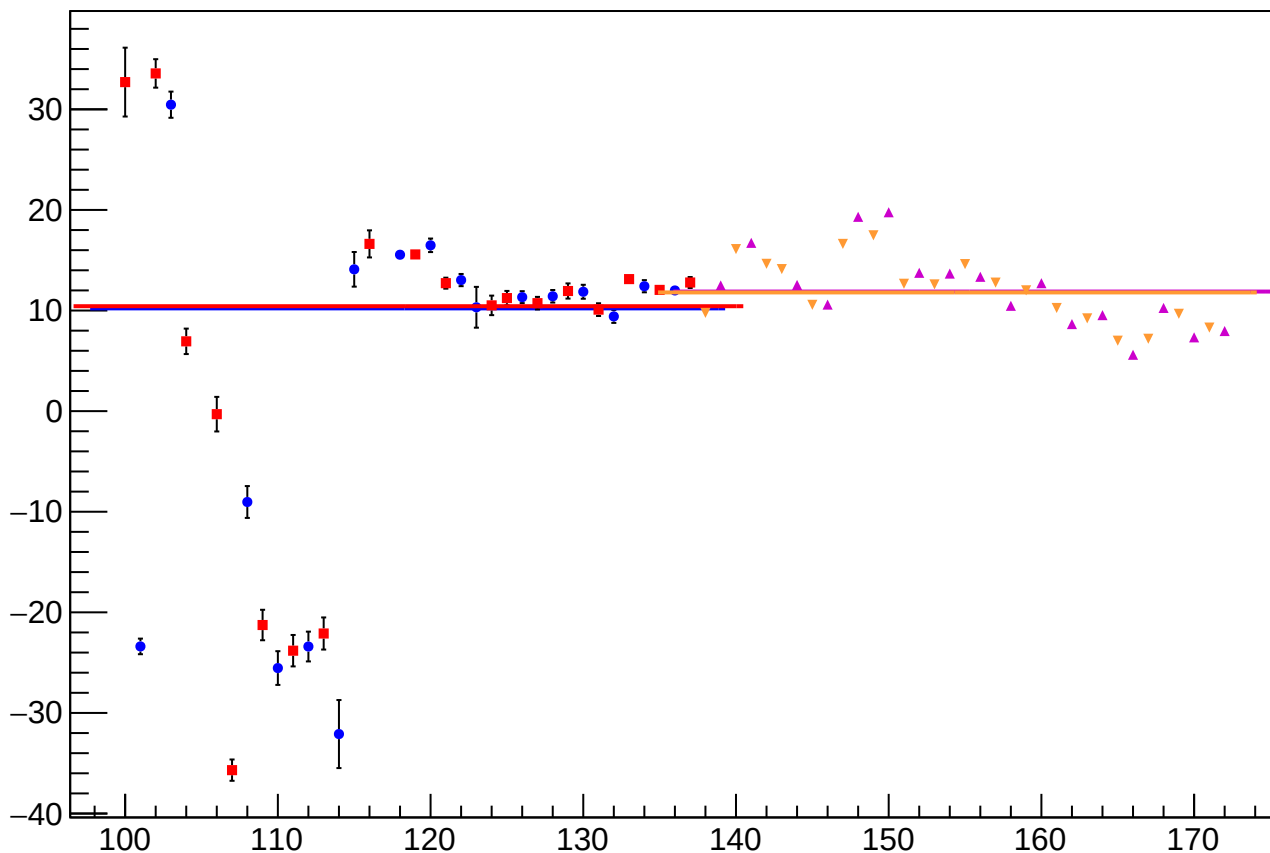
Left In: -8.624 ± 0.086 χ^2/NDF : 1277.9/16

+ sign -6.784 ± 0.082 χ^2/NDF : 3466.2/34

All: -7.122 ± 0.058 χ^2/NDF : 7031.4/70

- sign -7.458 ± 0.082 χ^2/NDF : 3531.7/35

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 ± 0.158 $\chi^2/\text{NDF}: 3692.6/16$

Left Out: 11.800 ± 0.074 $\chi^2/\text{NDF}: 1688.2/17$

Right Out: 10.430 ± 0.160 $\chi^2/\text{NDF}: 3826.9/18$

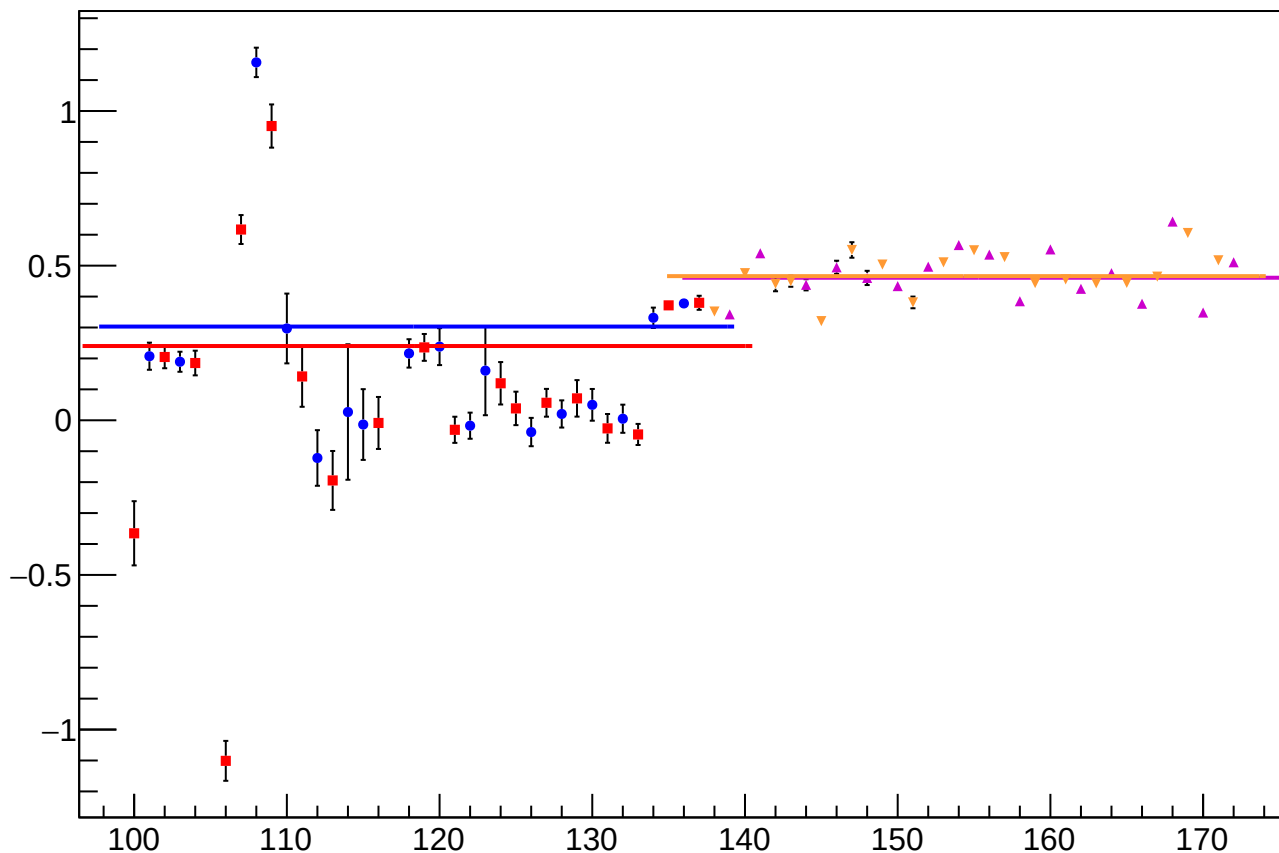
Left In: 11.887 ± 0.076 $\chi^2/\text{NDF}: 2481.0/16$

+ sign 11.512 ± 0.067 $\chi^2/\text{NDF}: 5463.1/34$

All: 11.566 ± 0.048 $\chi^2/\text{NDF}: 11840.1/70$

- sign 11.621 ± 0.068 $\chi^2/\text{NDF}: 6375.7/35$

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 : 401.6/17

Right Out: 0.240 ± 0.009 χ^2/NDF : 984.4/18

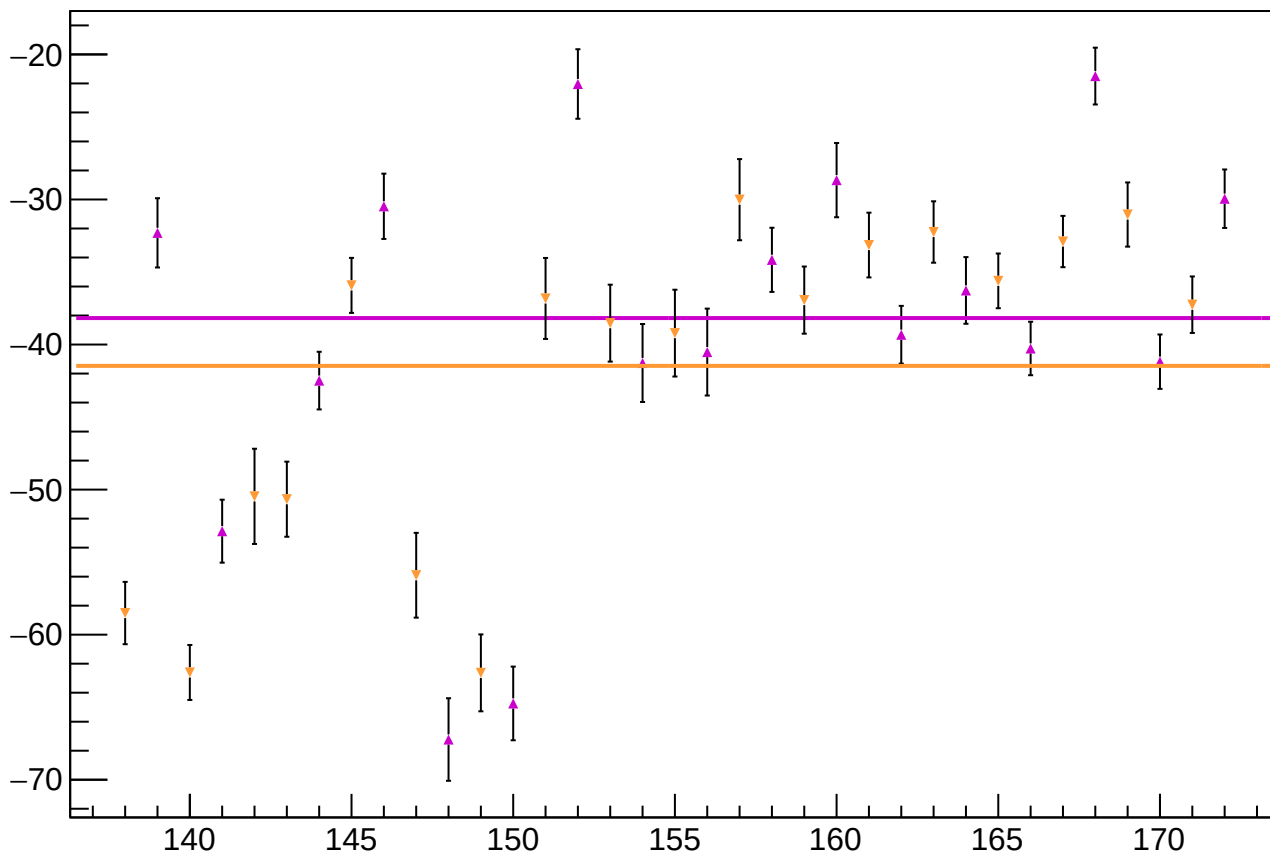
Left In: 0.461 ± 0.003 χ^2/NDF : 668.2/16

+ sign 0.443 ± 0.003 χ^2/NDF : 1385.8/34

All: 0.437 ± 0.002 χ^2/NDF : 3627.5/70

- sign 0.432 ± 0.003 χ^2/NDF : 2235.5/35

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -41.470+/-0.537 χ^2/NDF : 422.3/17

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

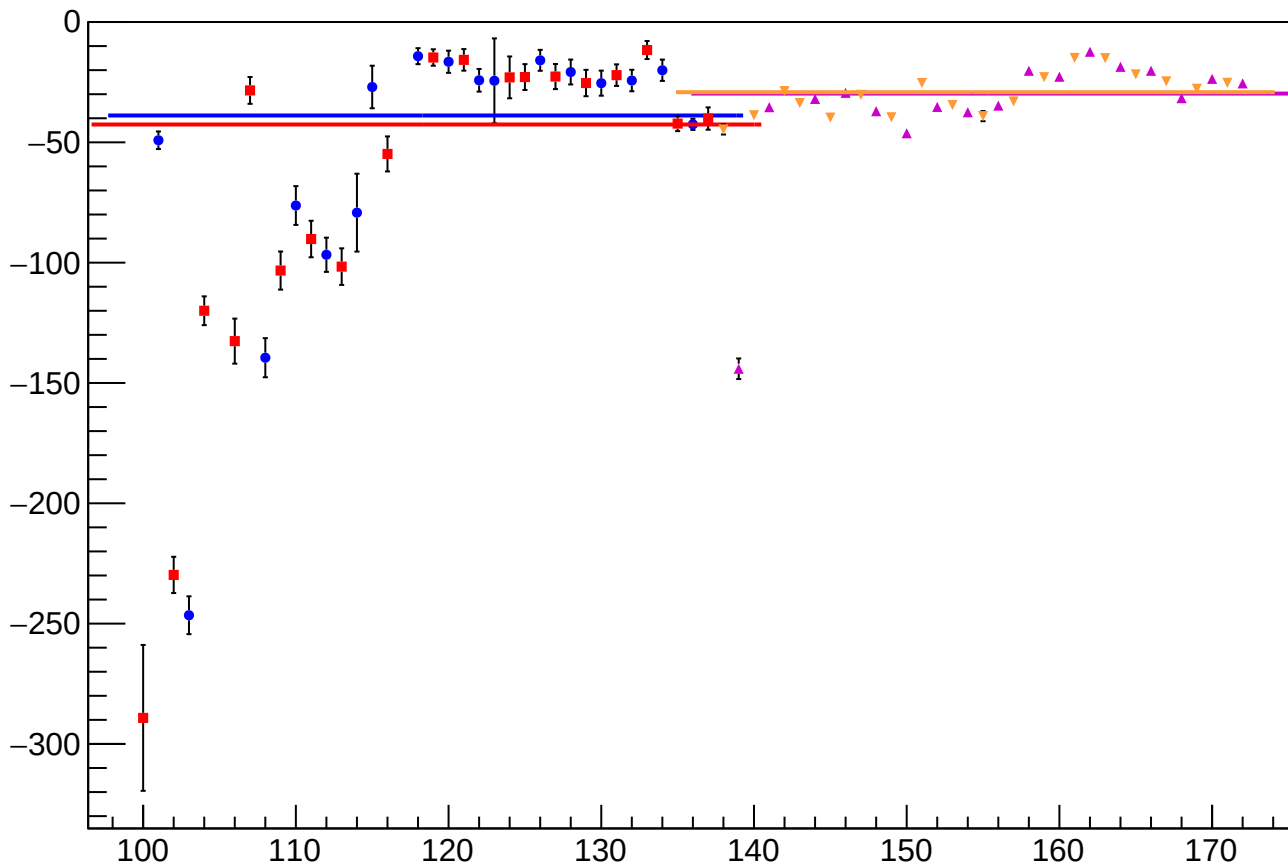
Left In: -38.175+/-0.540 χ^2/NDF : 440.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -39.832+/-0.381 χ^2/NDF : 881.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -29.162 ± 0.392 χ^2/NDF : 438.6/17

Right Out: -42.586 ± 1.210 χ^2/NDF : 1345.7/18

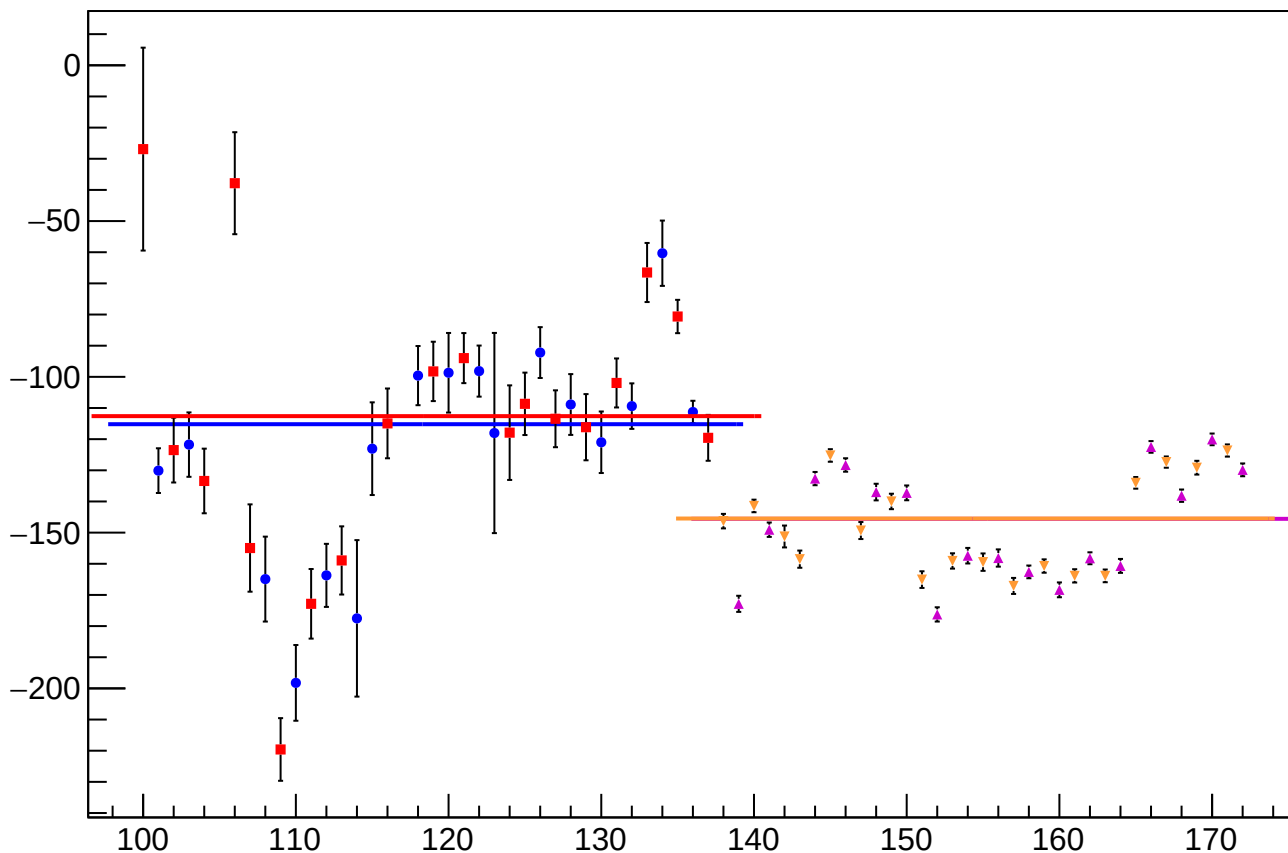
Left In: -29.738 ± 0.398 χ^2/NDF : 1153.5/16

+ sign -30.173 ± 0.371 χ^2/NDF : 1624.2/34

All: -30.575 ± 0.265 χ^2/NDF : 4227.4/70

- 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: -145.476 ± 0.534 χ^2/NDF : 839.1/17

Right Out: -112.611 ± 2.209 χ^2/NDF : 272.4/18

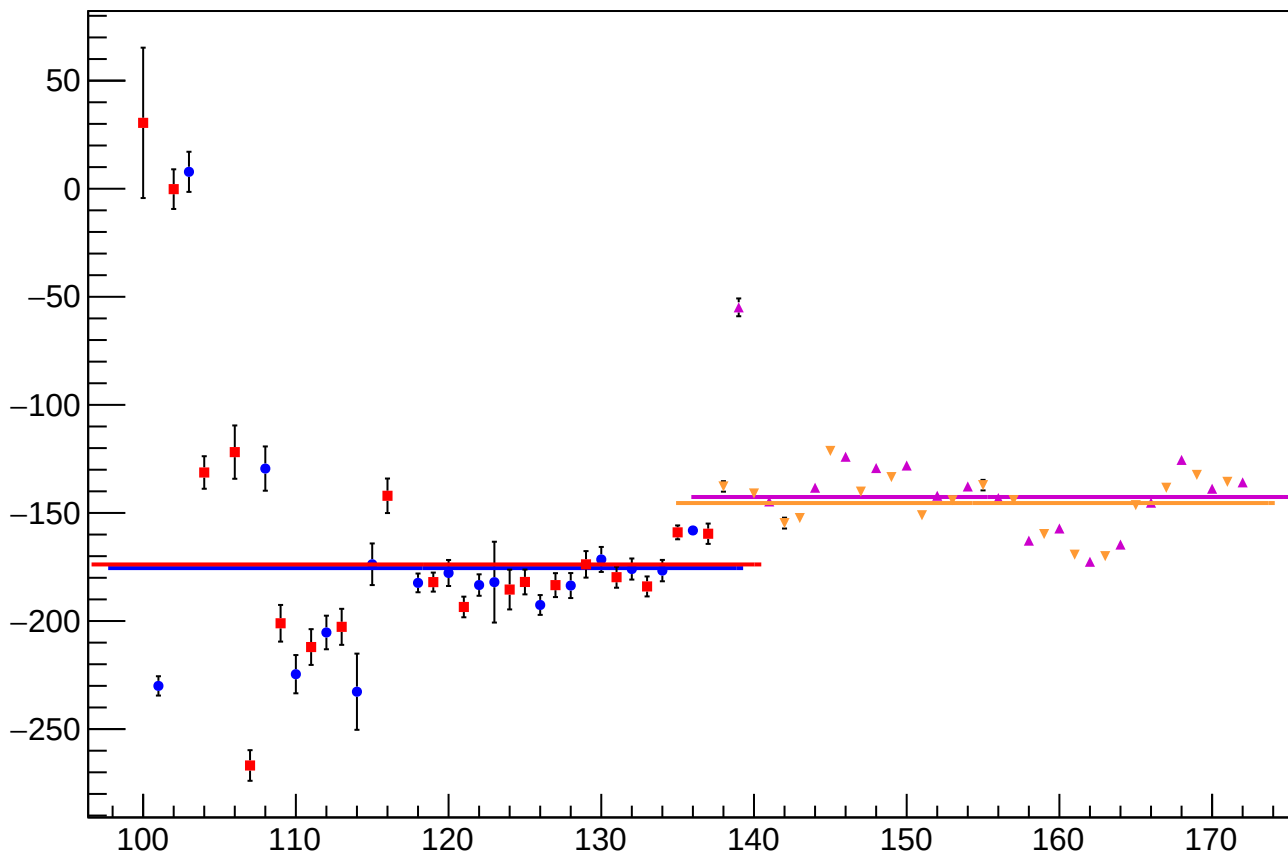
Left In: -145.574 ± 0.533 χ^2/NDF : 1118.5/16

+ sign -143.603 ± 0.518 χ^2/NDF : 1178.4/34

All: -143.682 ± 0.366 χ^2/NDF : 2779.7/70

- 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 χ^2/NDF : 692.3/16

Left Out: -145.420 ± 0.450 χ^2/NDF : 886.2/17

Right Out: -173.830 ± 1.357 χ^2/NDF : 737.9/18

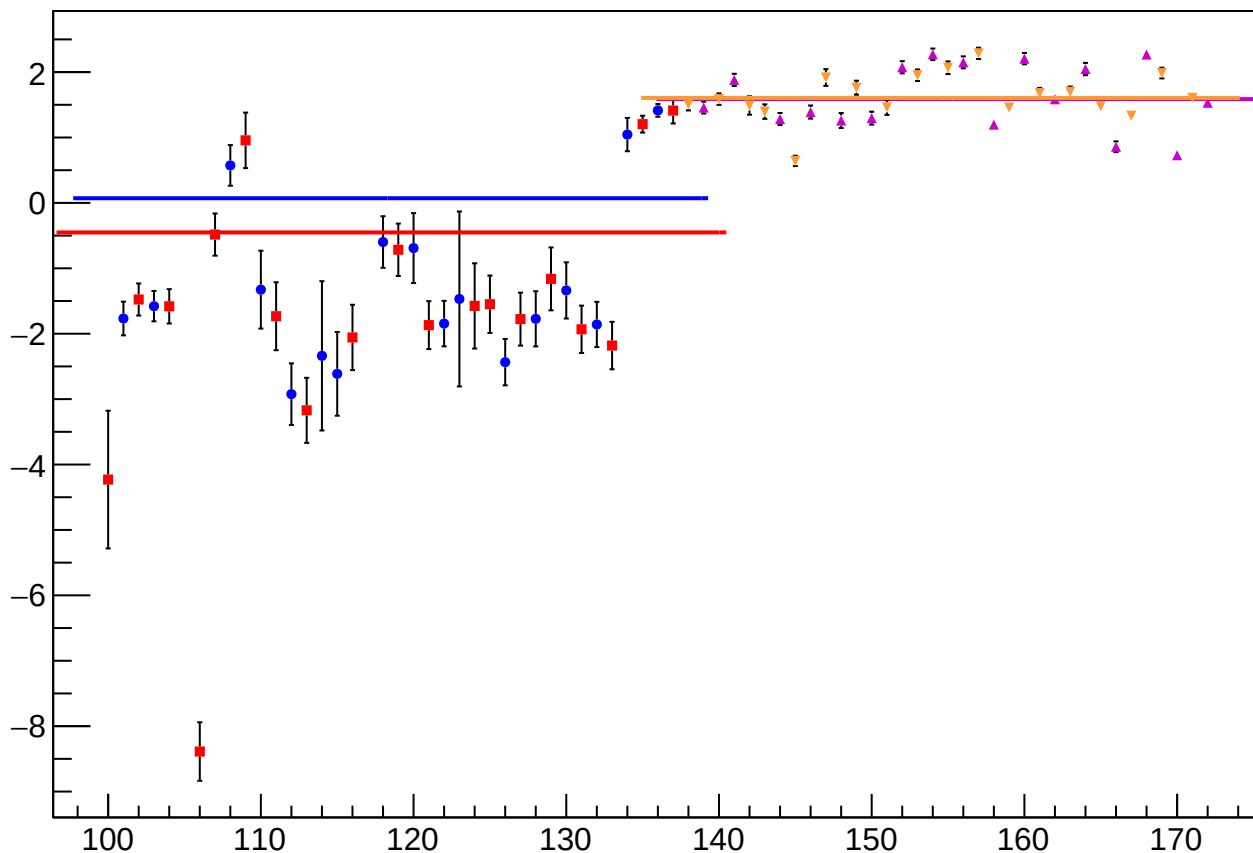
Left In: -142.622 ± 0.455 χ^2/NDF : 1452.1/16

+ sign -148.739 ± 0.424 χ^2/NDF : 2072.8/34

All: -147.280 ± 0.302 χ^2/NDF : 4762.7/70

- sign -145.773 ± 0.431 χ^2/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: 1.606 ± 0.021 χ^2/NDF : 307.1/17

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

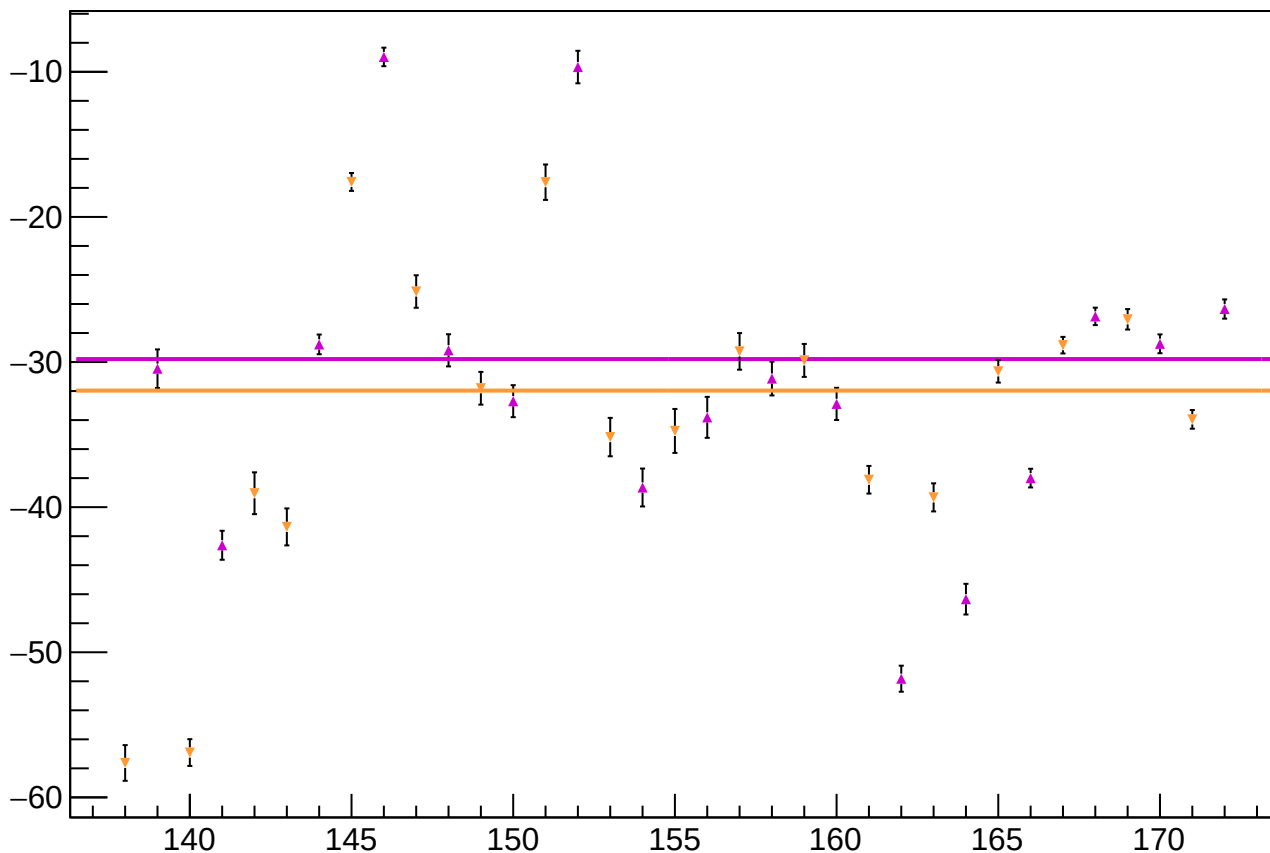
Left In: 1.587 ± 0.021 χ^2/NDF : 590.9/16

+ sign 1.472 ± 0.020 χ^2/NDF : 1308.7/34

All: 1.450 ± 0.014 χ^2/NDF : 3406.1/70

- 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: -31.966+/-0.215 χ^2/NDF : 2171.0/17

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

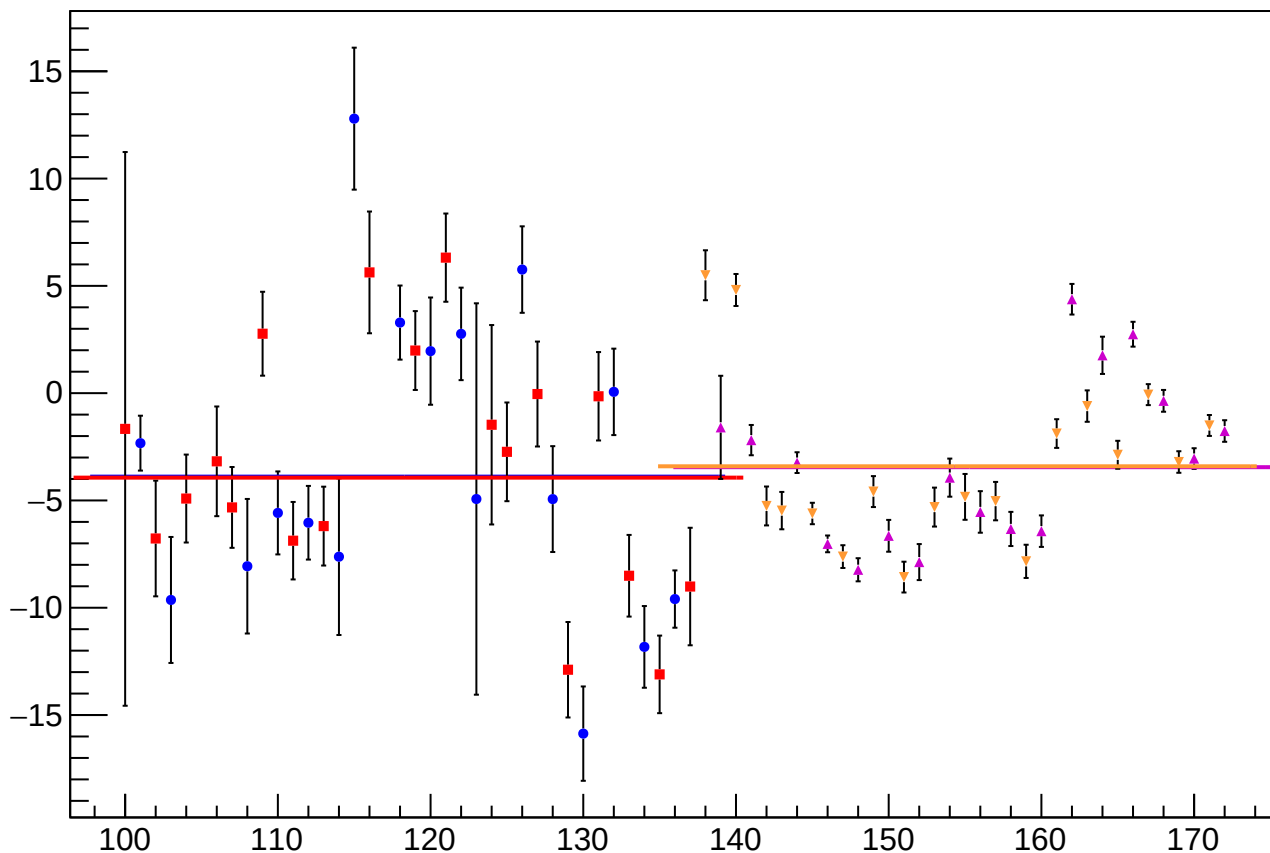
Left In: -29.795+/-0.207 χ^2/NDF : 2686.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -30.840+/-0.149 χ^2/NDF : 4910.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -3.409 ± 0.157 $\chi^2/\text{NDF}: 451.5/17$

Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

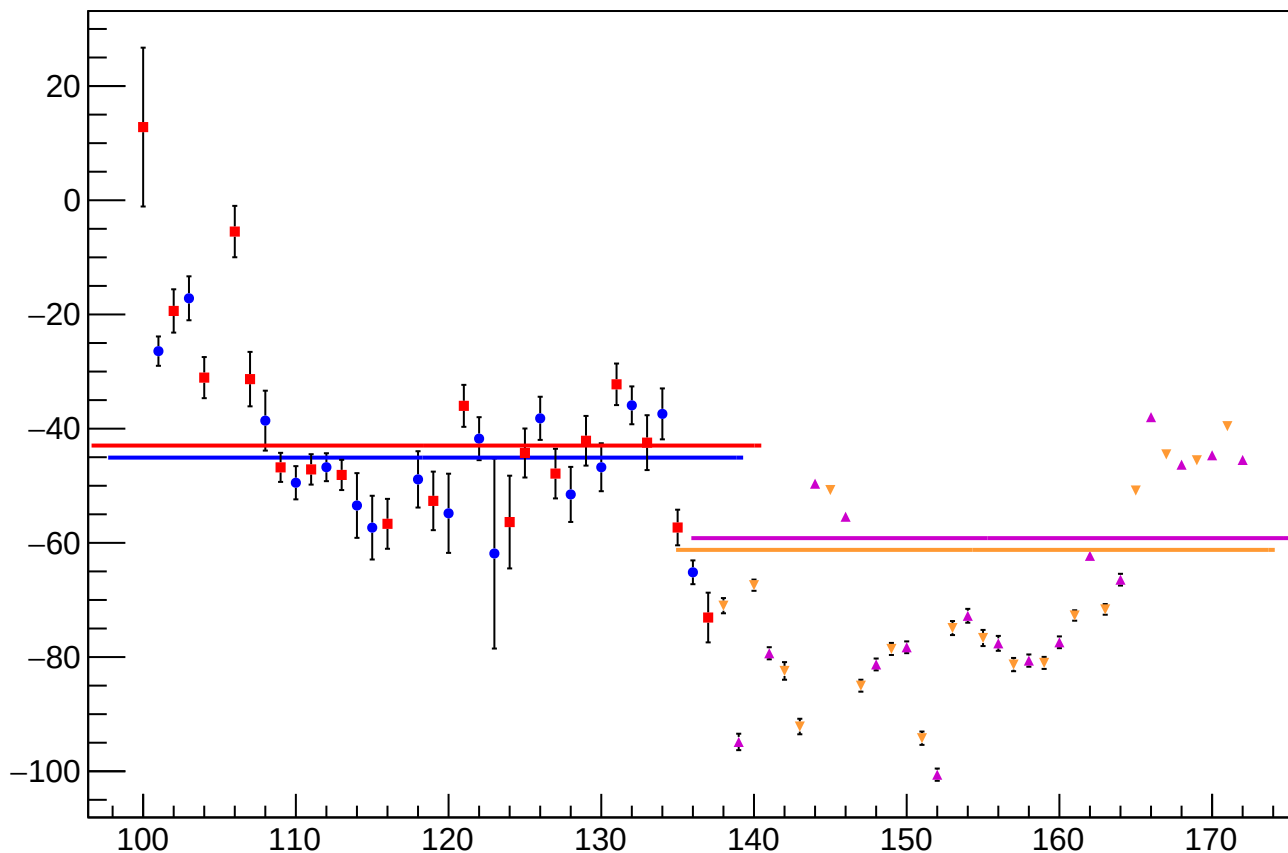
Left In: -3.450 ± 0.151 $\chi^2/\text{NDF}: 567.1/16$

+ sign -3.452 ± 0.150 $\chi^2/\text{NDF}: 612.8/34$

All: -3.472 ± 0.104 $\chi^2/\text{NDF}: 1302.9/70$

- sign -3.490 ± 0.145 $\chi^2/\text{NDF}: 690.1/35$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -61.229 ± 0.215 χ^2/NDF : 6436.2/17

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

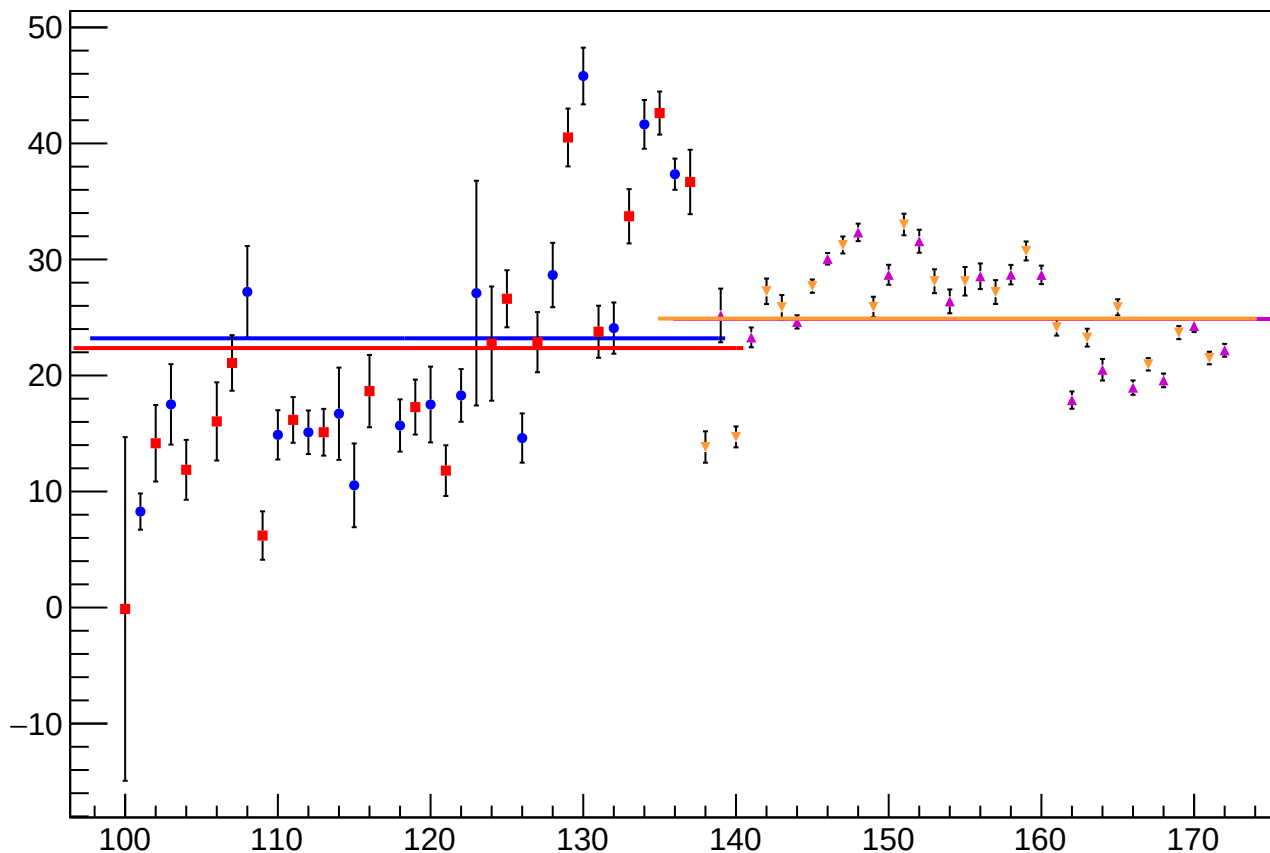
Left In: -59.172 ± 0.206 χ^2/NDF : 6973.5/16

+ sign -60.324 ± 0.209 χ^2/NDF : 6981.8/34

All: -59.284 ± 0.145 χ^2/NDF : 14574.5/70

- 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: 24.905 $\pm$ 0.181 χ^2 /NDF: 554.8/17

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

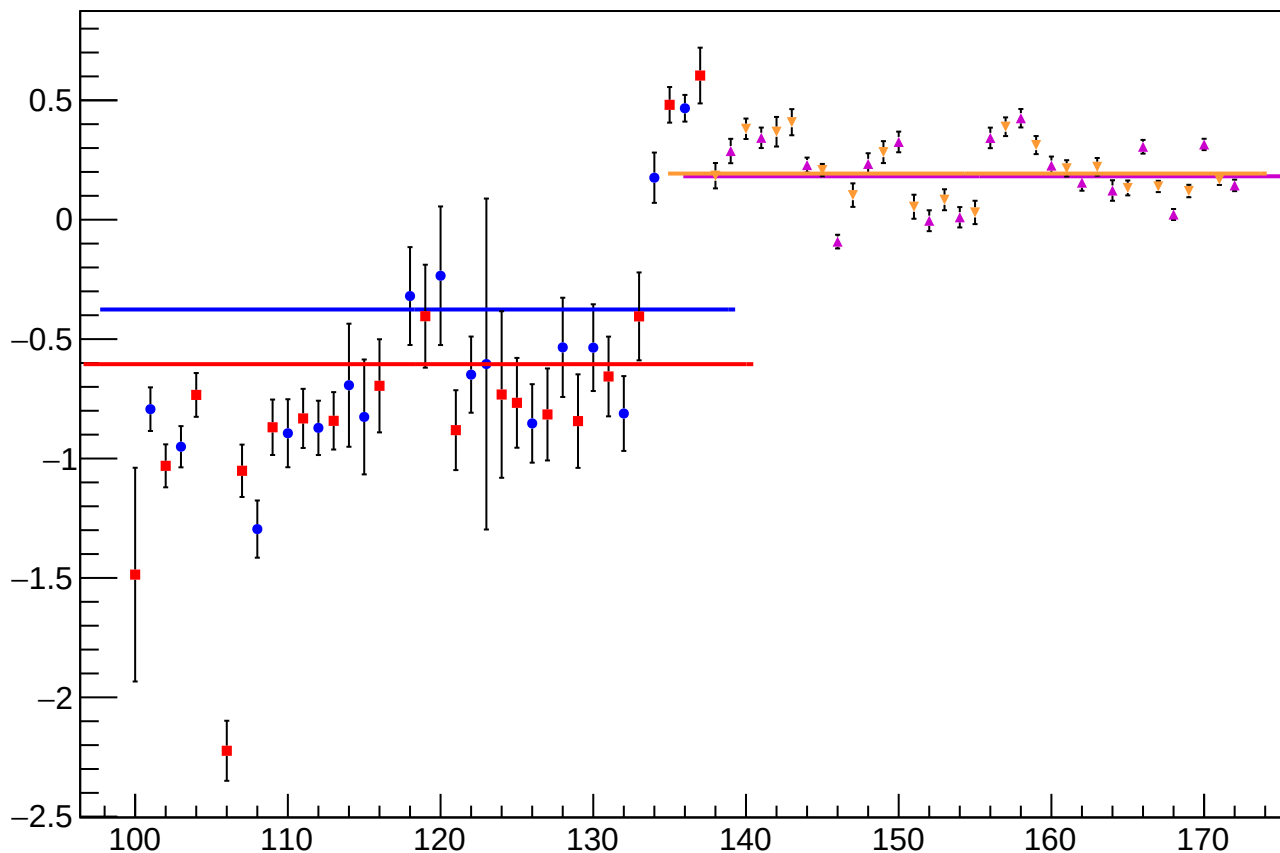
Left In: 24.870 $\pm$ 0.174 χ^2 /NDF: 639.8/16

+ sign 24.744 $\pm$ 0.172 χ^2 /NDF: 1020.4/34

All: 24.699 $\pm$ 0.120 χ^2 /NDF: 2044.8/70

- 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: 0.193 ± 0.008 $\chi^2/\text{NDF}: 129.2/17$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

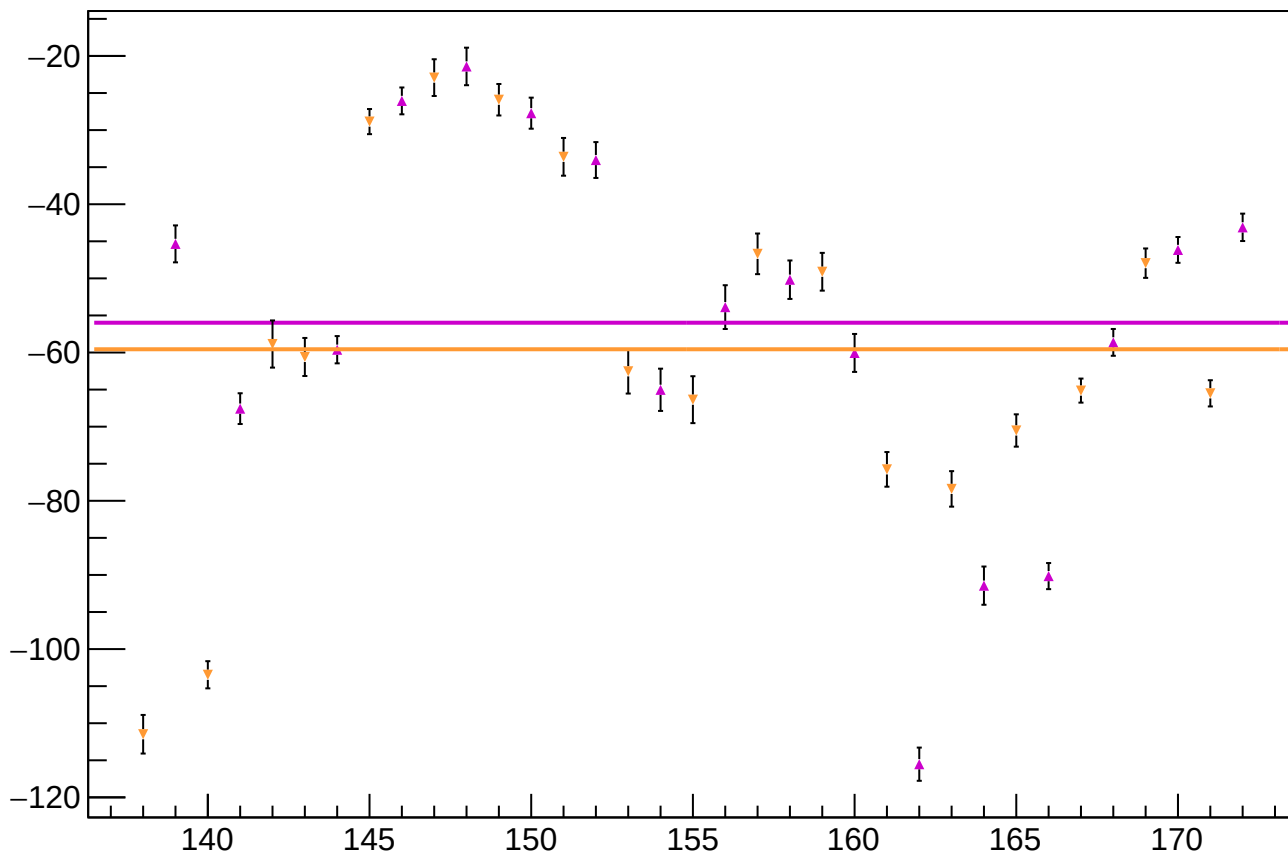
Left In: 0.182 ± 0.008 $\chi^2/\text{NDF}: 316.8/16$

+ sign 0.153 ± 0.008 $\chi^2/\text{NDF}: 898.2/34$

All: 0.141 ± 0.006 $\chi^2/\text{NDF}: 2402.5/70$

- 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: -59.561 +/- 0.527 χ^2/NDF : 2110.5/17

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

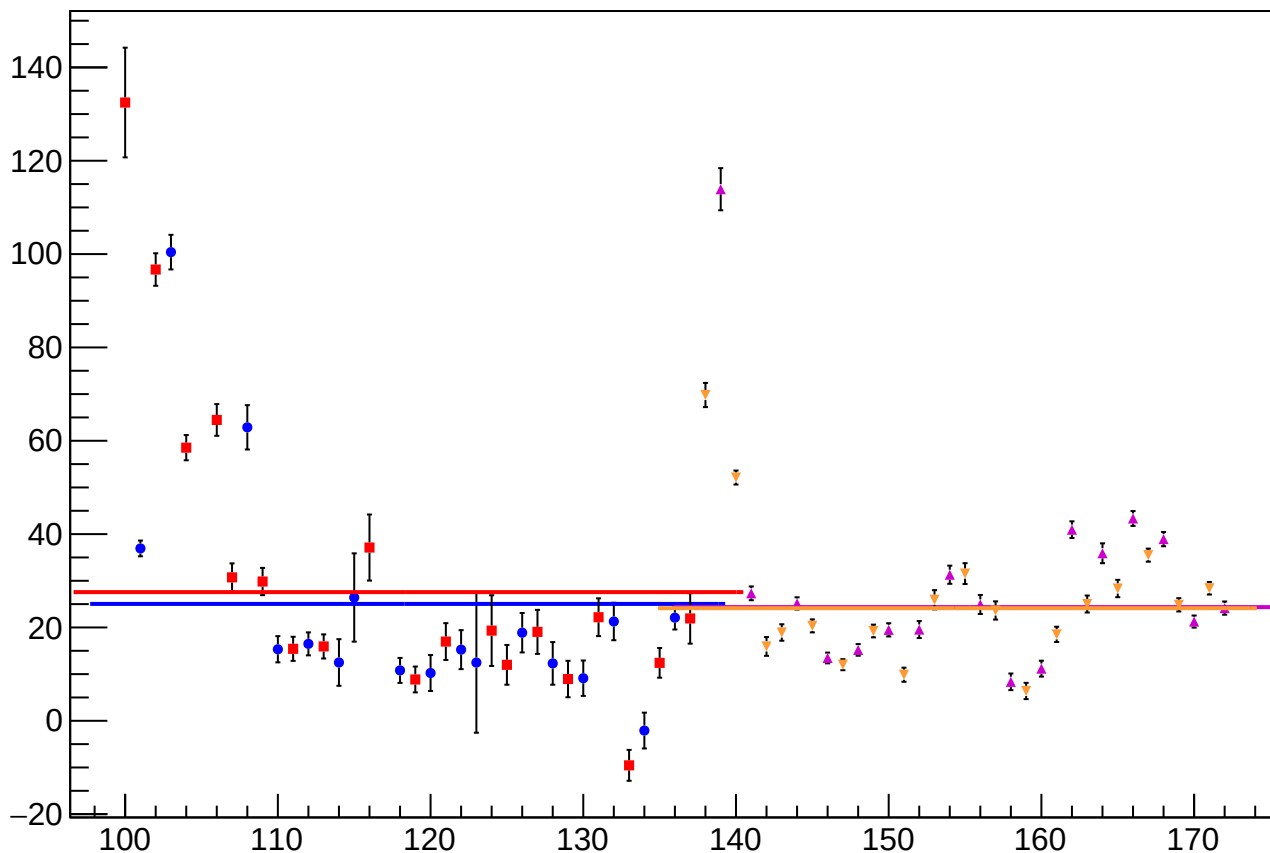
Left In: -55.982 +/- 0.521 χ^2/NDF : 2150.3/16

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -57.750 +/- 0.370 χ^2/NDF : 4284.1/34

- 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: 24.129 $\pm$ 0.380 χ^2 /NDF: 1106.7/17

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

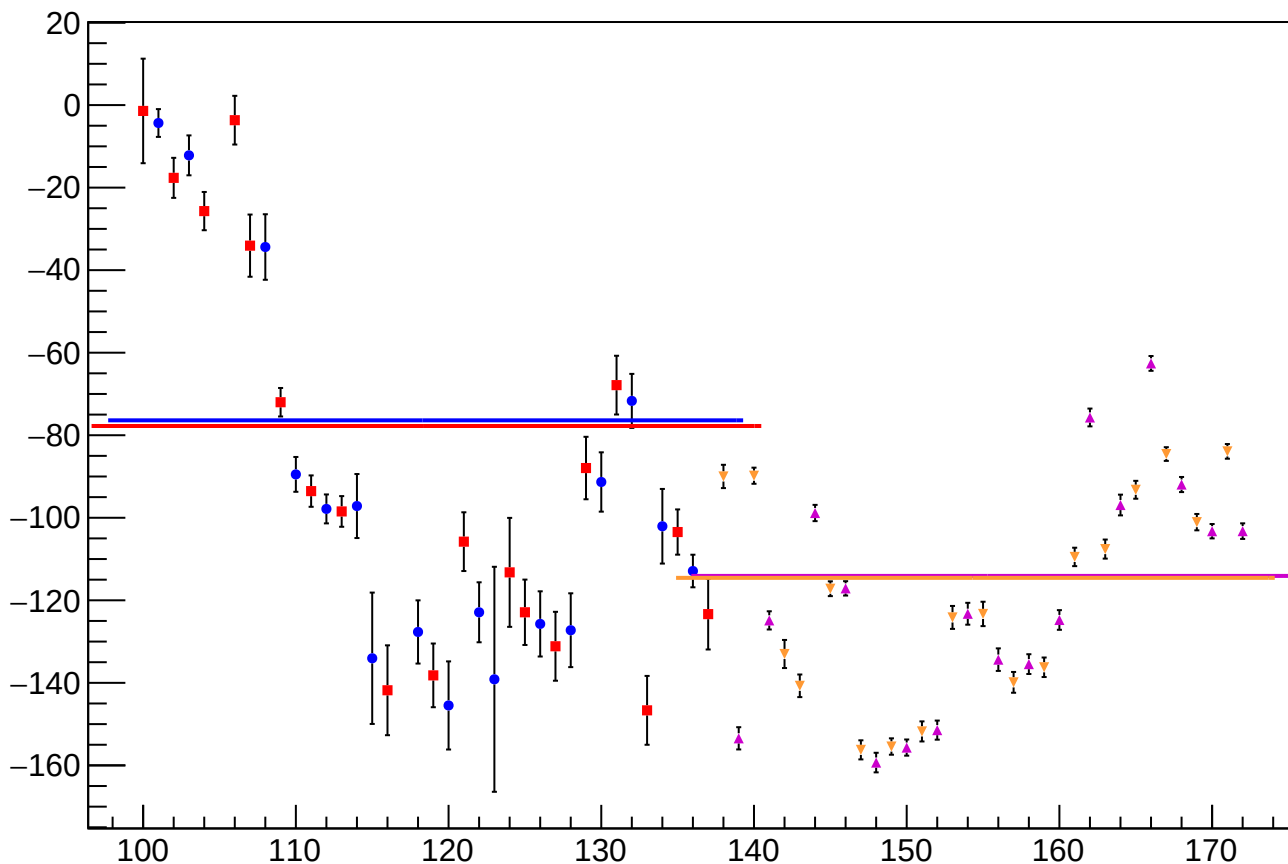
Left In: 24.360 $\pm$ 0.381 χ^2 /NDF: 1067.6/16

+ sign 24.296 $\pm$ 0.344 χ^2 /NDF: 1794.1/34

All: 24.618 $\pm$ 0.243 χ^2 /NDF: 3889.2/70

- 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 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -114.561 ± 0.524 $\chi^2/\text{NDF}: 2327.2/17$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

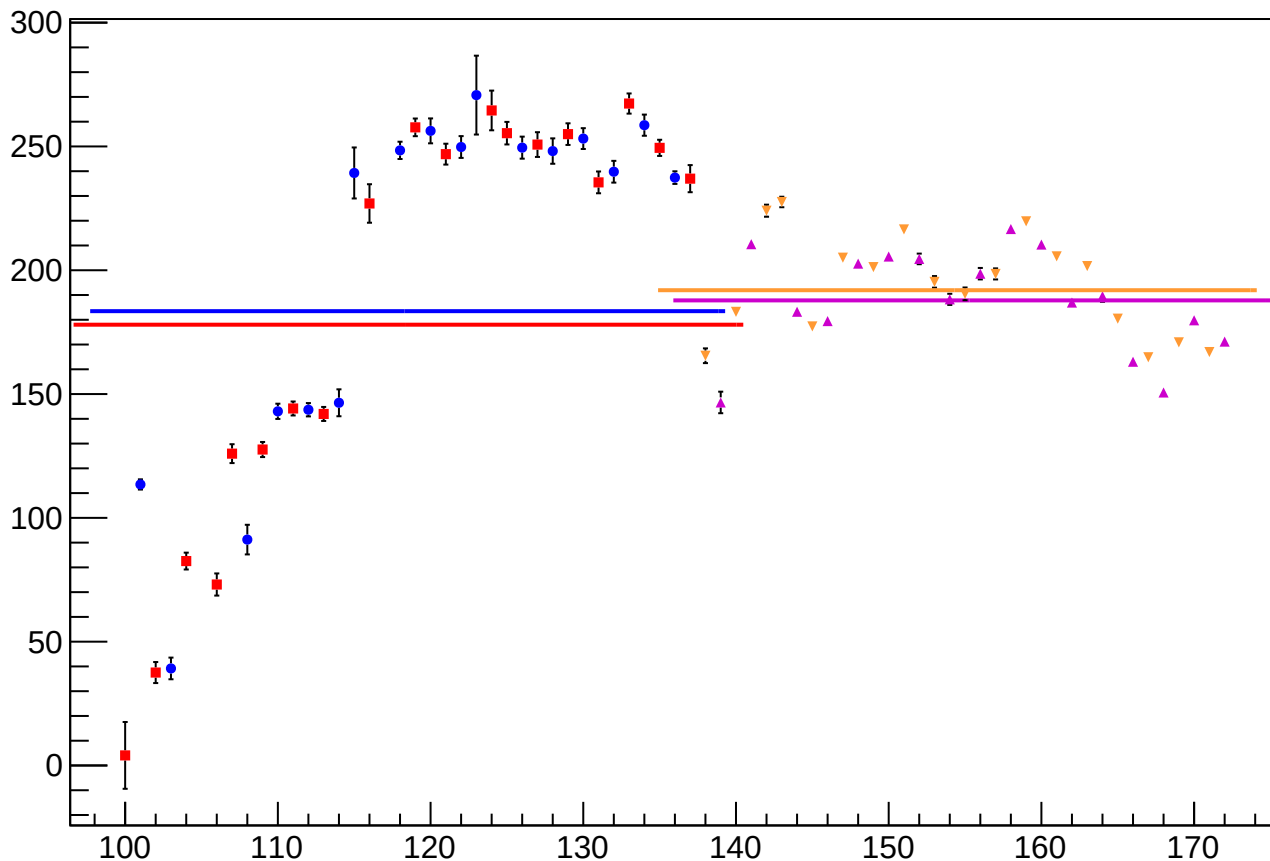
Left In: -114.088 ± 0.515 $\chi^2/\text{NDF}: 2946.3/16$

+ sign -109.965 ± 0.491 $\chi^2/\text{NDF}: 3998.0/34$

All: -109.724 ± 0.344 $\chi^2/\text{NDF}: 8447.4/70$

- sign -109.494 ± 0.481 $\chi^2/\text{NDF}: 4448.9/35$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 191.938 $\pm$ 0.440 χ^2 /NDF: 2030.0/17

Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

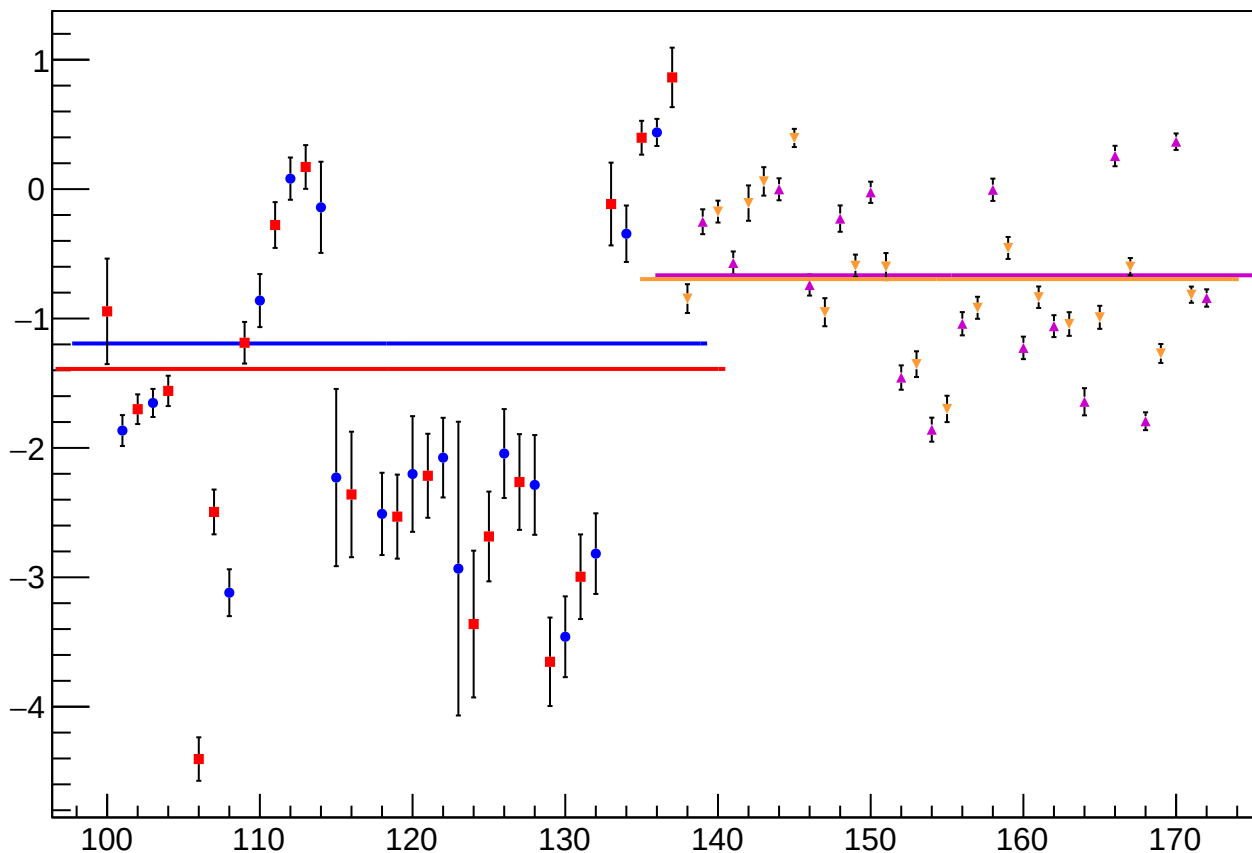
Left In: 187.827 $\pm$ 0.438 χ^2 /NDF: 1748.3/16

+ sign 190.360 $\pm$ 0.397 χ^2 /NDF: 7430.4/34

All: 188.188 $\pm$ 0.280 χ^2 /NDF: 15676.4/70

- sign 186.025 $\pm$ 0.396 χ^2 /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: -0.695 ± 0.020 χ^2/NDF : 604.9/17

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

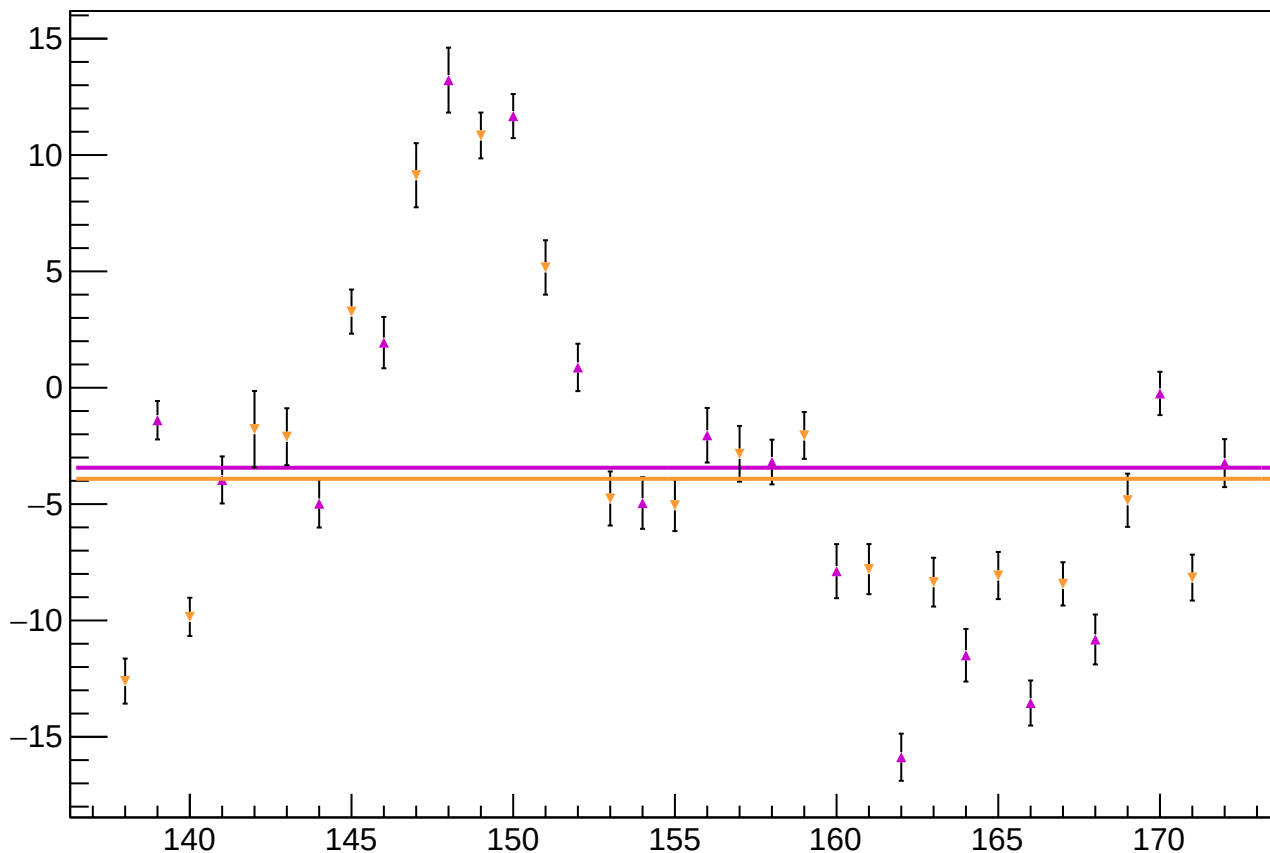
Left In: -0.666 ± 0.020 χ^2/NDF : 1298.0/16

+ sign -0.771 ± 0.019 χ^2/NDF : 1317.0/34

All: -0.777 ± 0.013 χ^2/NDF : 3744.6/70

- 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: -3.912+/-0.251 χ^2/NDF : 664.9/17

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

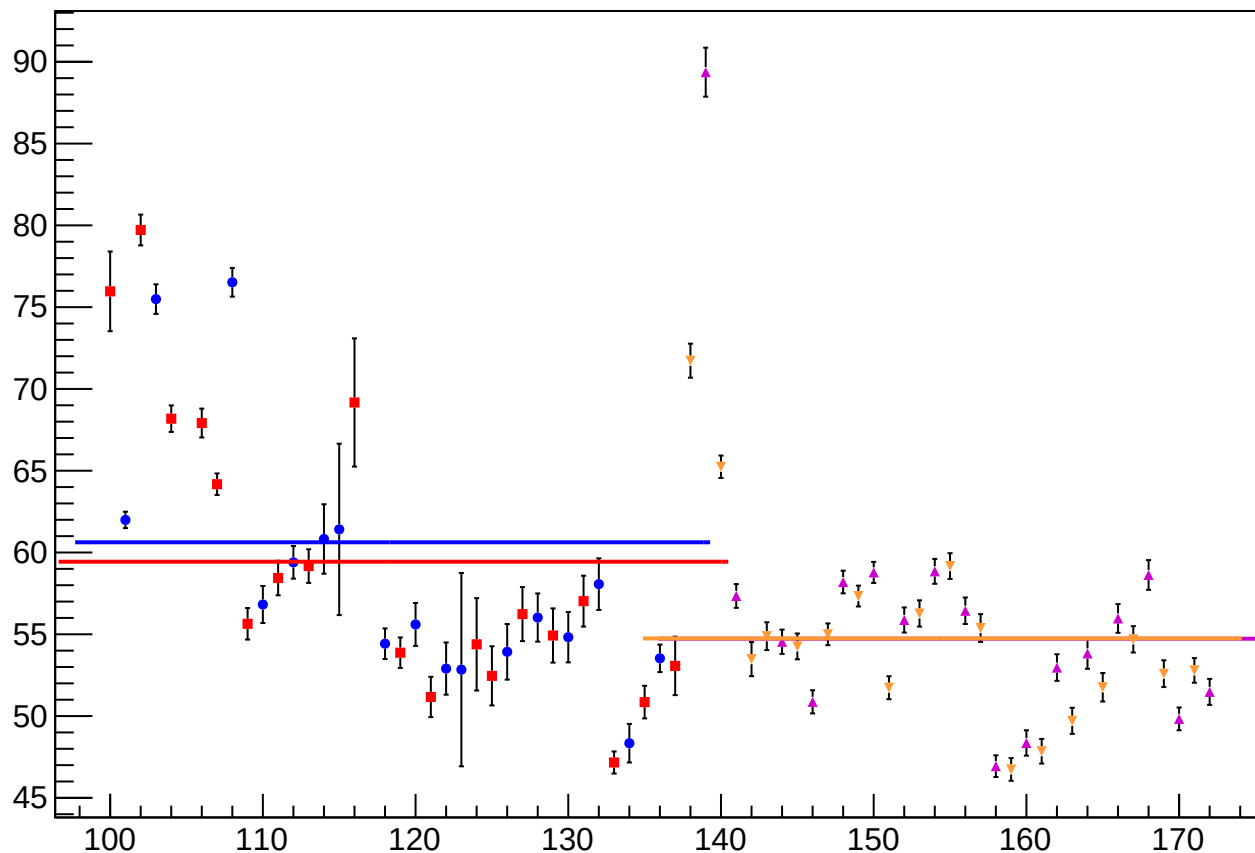
Left In: -3.437+/-0.250 χ^2/NDF : 835.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -3.674+/-0.177 χ^2/NDF : 1501.8/34

- 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: 54.747 $\pm$ 0.183 χ^2/NDF : 854.8/17

Right Out: 59.438 $\pm$ 0.248 χ^2/NDF : 1323.4/18

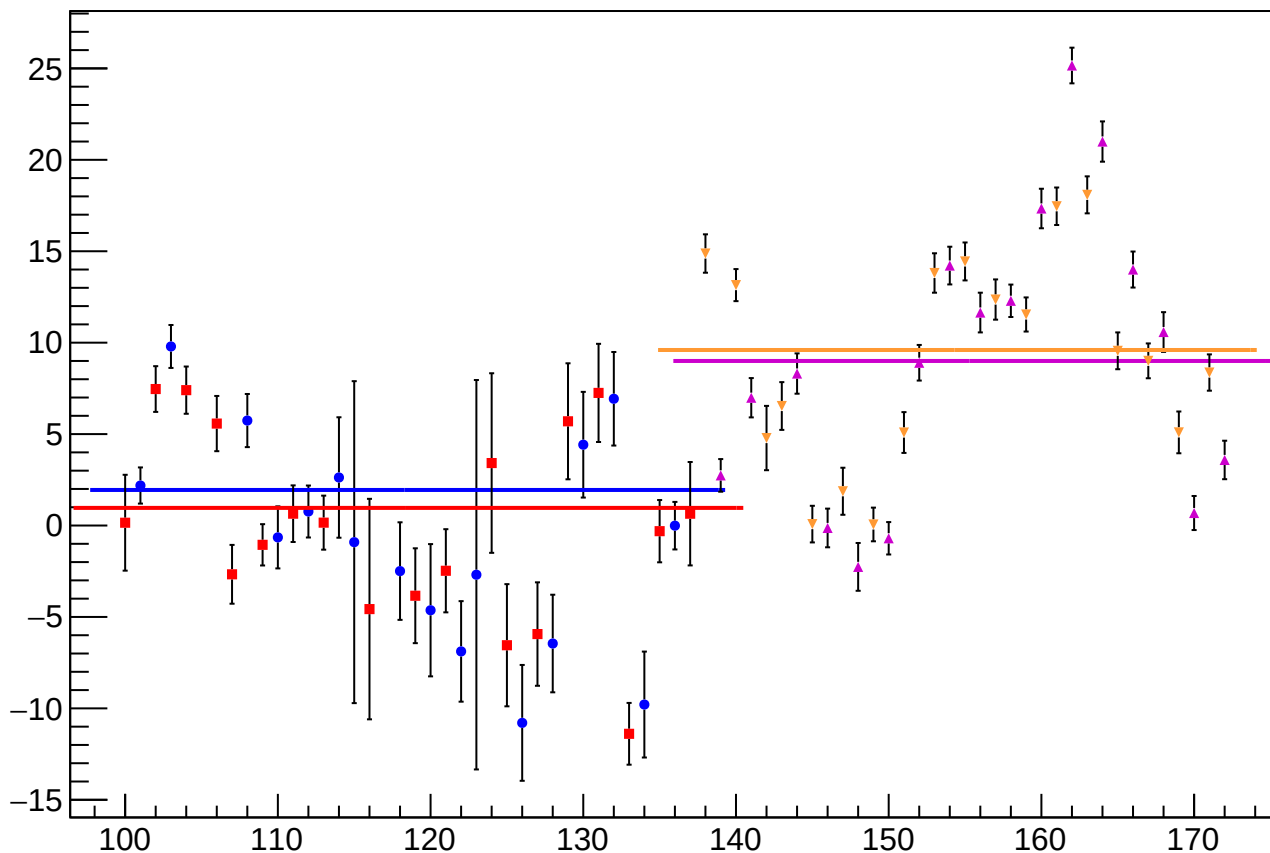
Left In: 54.730 $\pm$ 0.188 χ^2/NDF : 976.1/16

+ sign 56.668 $\pm$ 0.150 χ^2/NDF : 2115.6/34

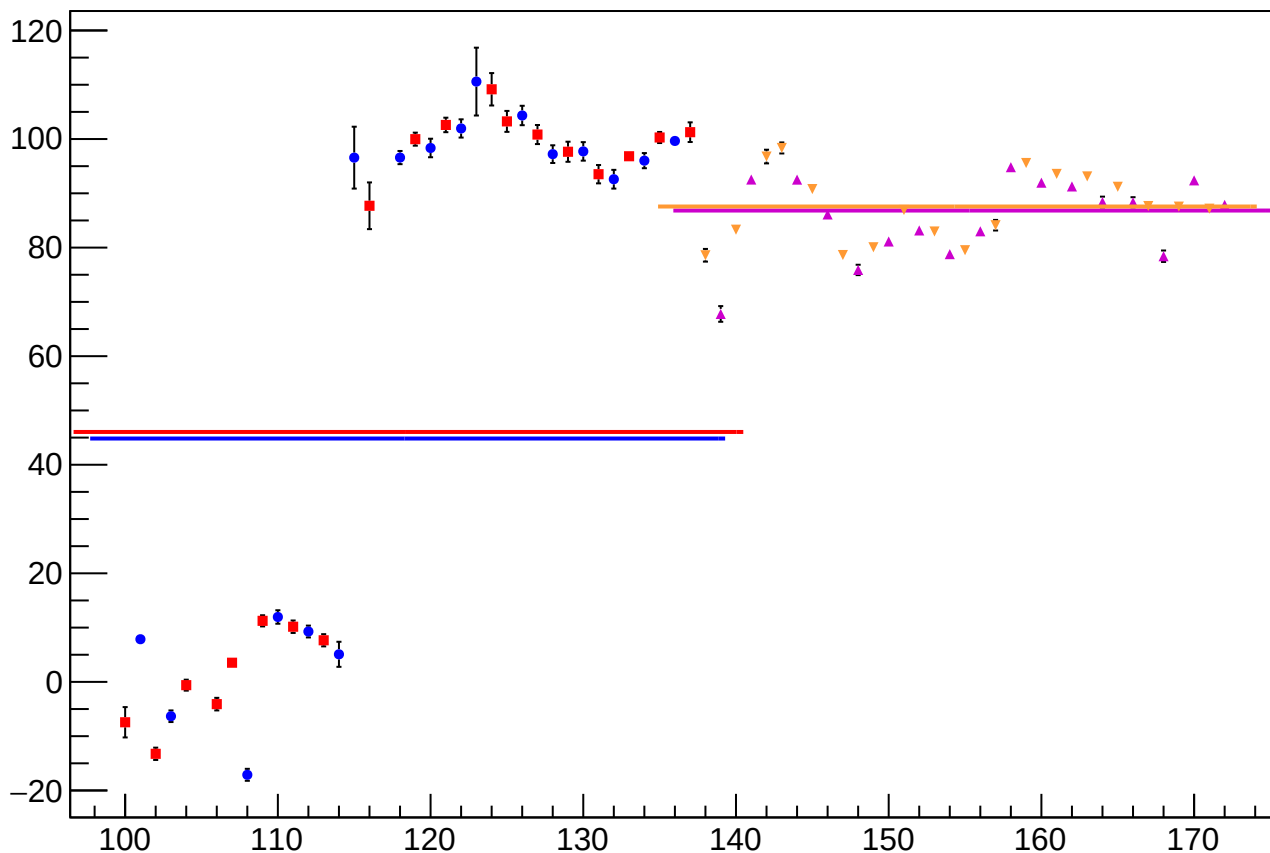
All: 56.557 $\pm$ 0.106 χ^2/NDF : 4645.4/70

- sign 56.448 $\pm$ 0.150 χ^2/NDF : 2528.7/35

reg_asym_sam5_diff_bpm4eX_slope vs Slug



reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 87.570 $\pm$ 0.210 χ^2 /NDF:811.6/17

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

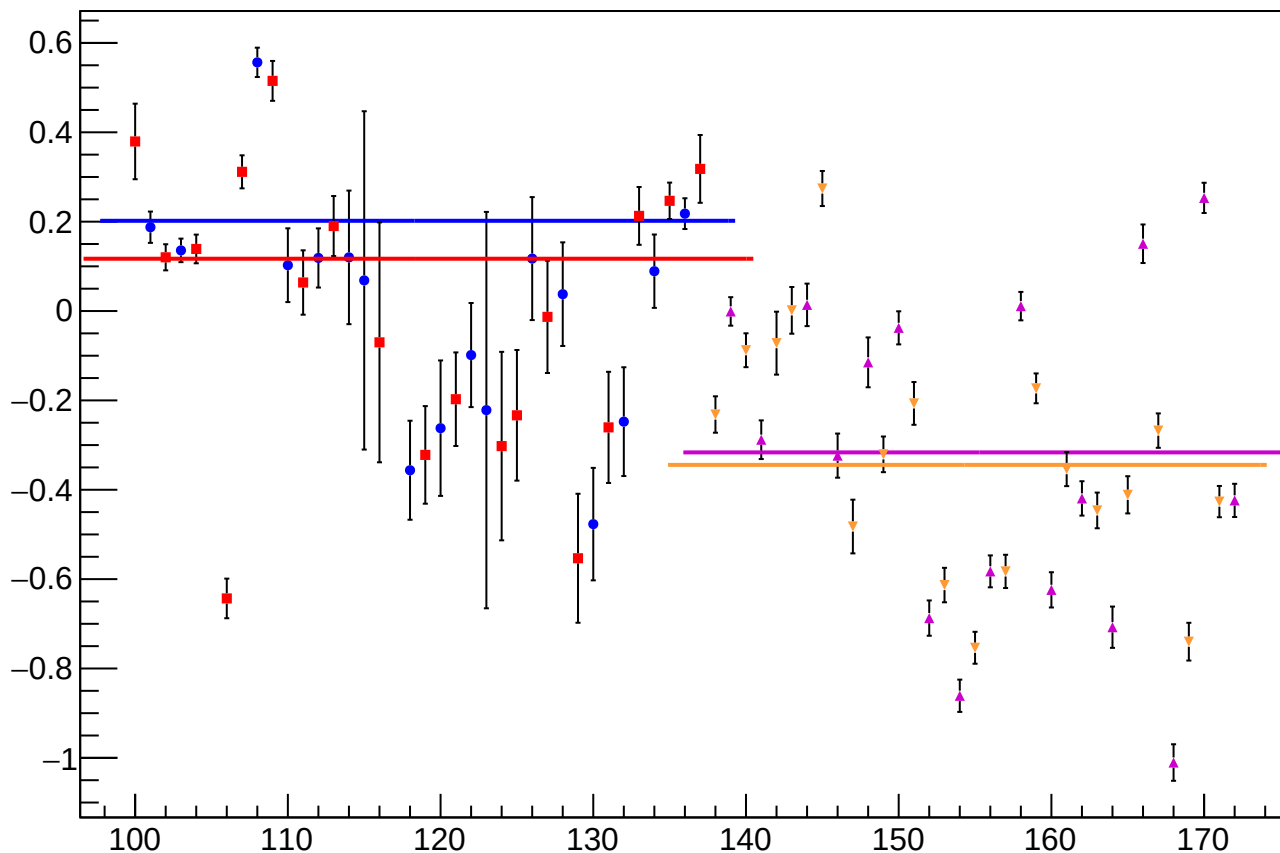
Left In: 86.828 $\pm$ 0.213 χ^2 /NDF:887.4/16

+ sign 73.786 $\pm$ 0.173 χ^2 /NDF: 38909.3/34

All: 73.126 $\pm$ 0.122 χ^2 /NDF: 80956.6/70

- 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: -0.344 ± 0.010 χ^2/NDF : 728.2/17

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

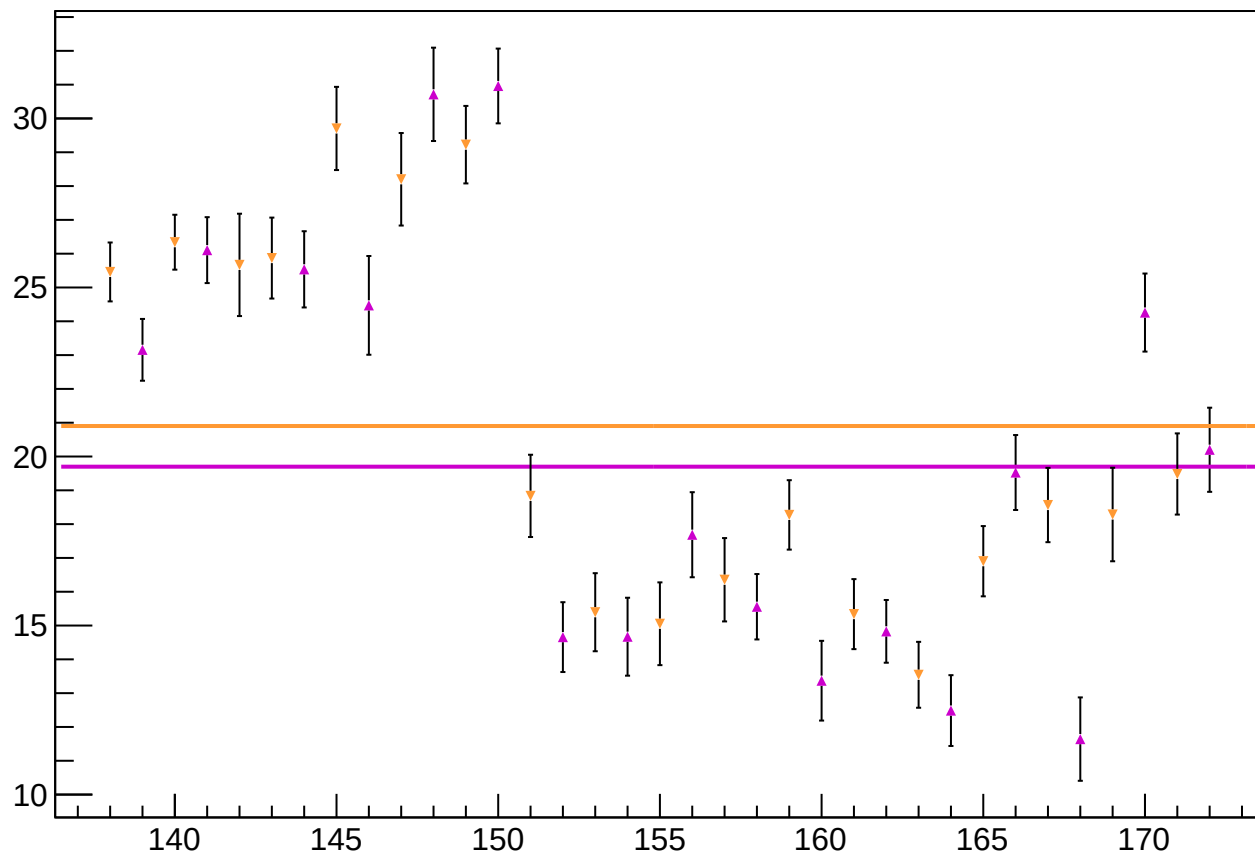
Left In: -0.316 ± 0.009 χ^2/NDF : 1529.8/16

+ sign -0.171 ± 0.008 χ^2/NDF : 1975.4/34

All: -0.168 ± 0.006 χ^2/NDF : 4728.3/70

- 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: 20.902 $\pm$ 0.262 χ^2 /NDF:410.5/17

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

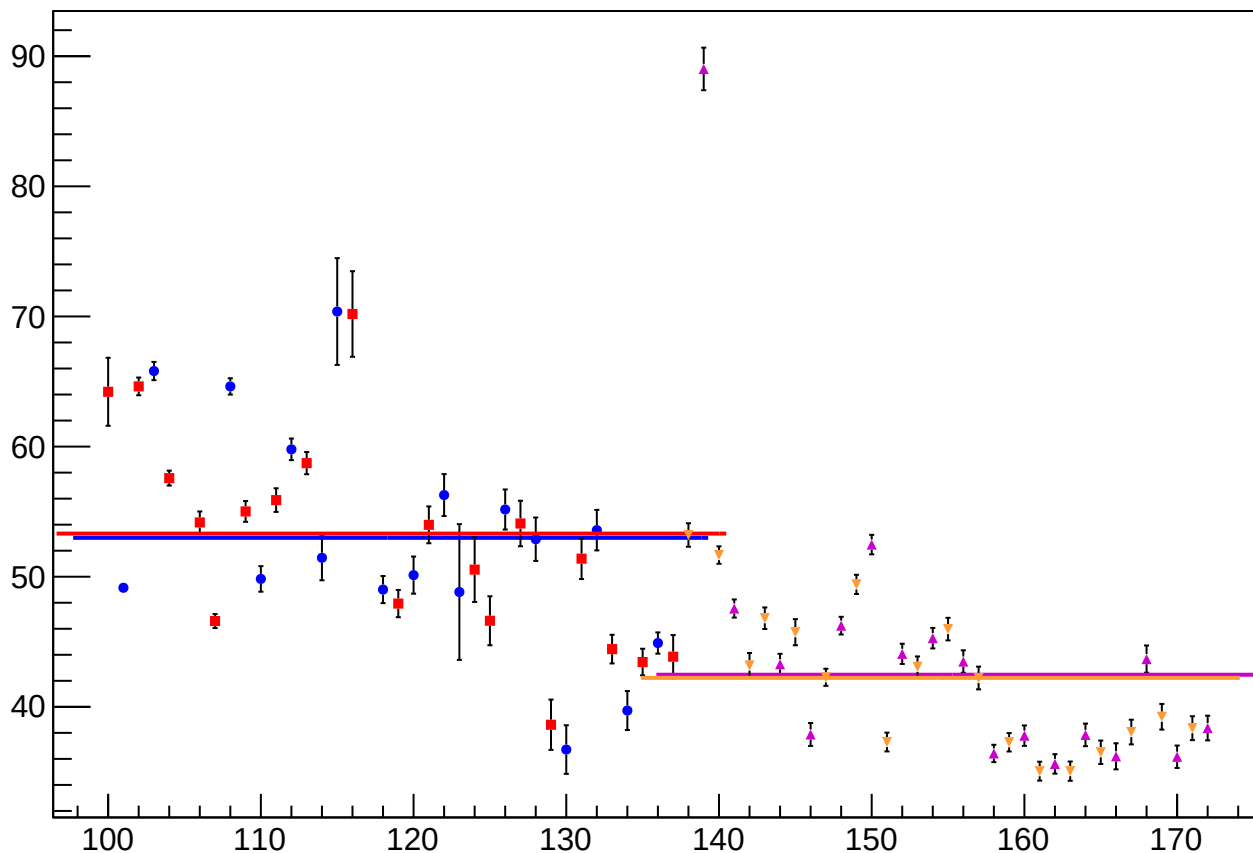
Left In: 19.699 $\pm$ 0.268 χ^2 /NDF:488.4/16

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

All: 20.315 $\pm$ 0.187 χ^2 /NDF: 909.1/34

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

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 42.227 $\pm$ 0.190 χ^2 /NDF:877.5/17

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

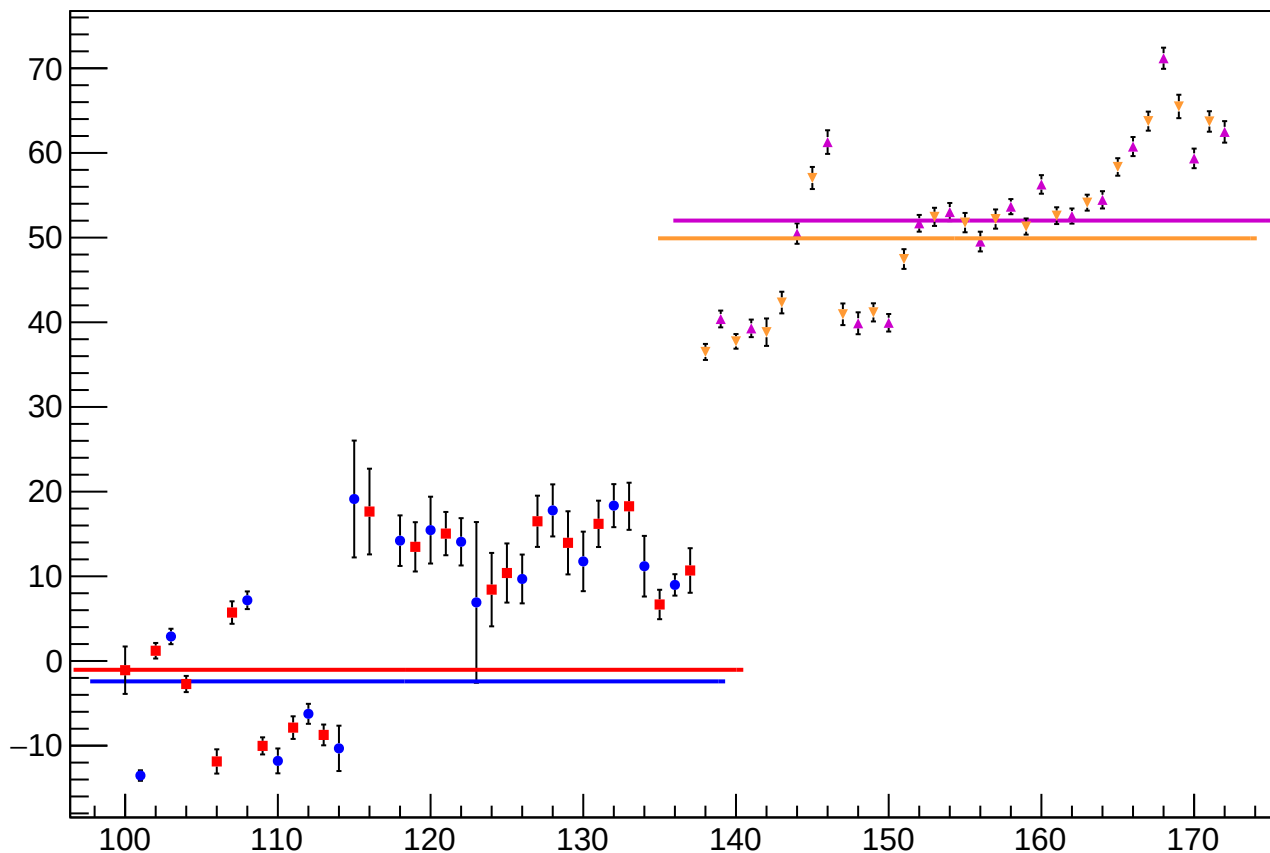
Left In: 42.468 $\pm$ 0.199 χ^2 /NDF:1463.1/16

+ sign 47.062 $\pm$ 0.141 χ^2 /NDF: 3509.9/34

All: 47.125 $\pm$ 0.103 χ^2 /NDF: 7139.8/70

- sign 47.197 $\pm$ 0.150 χ^2 /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: 49.915 ± 0.259 $\chi^2/\text{NDF}: 1148.6/17$

Right Out: -1.040 ± 0.377 $\chi^2/\text{NDF}: 507.5/18$

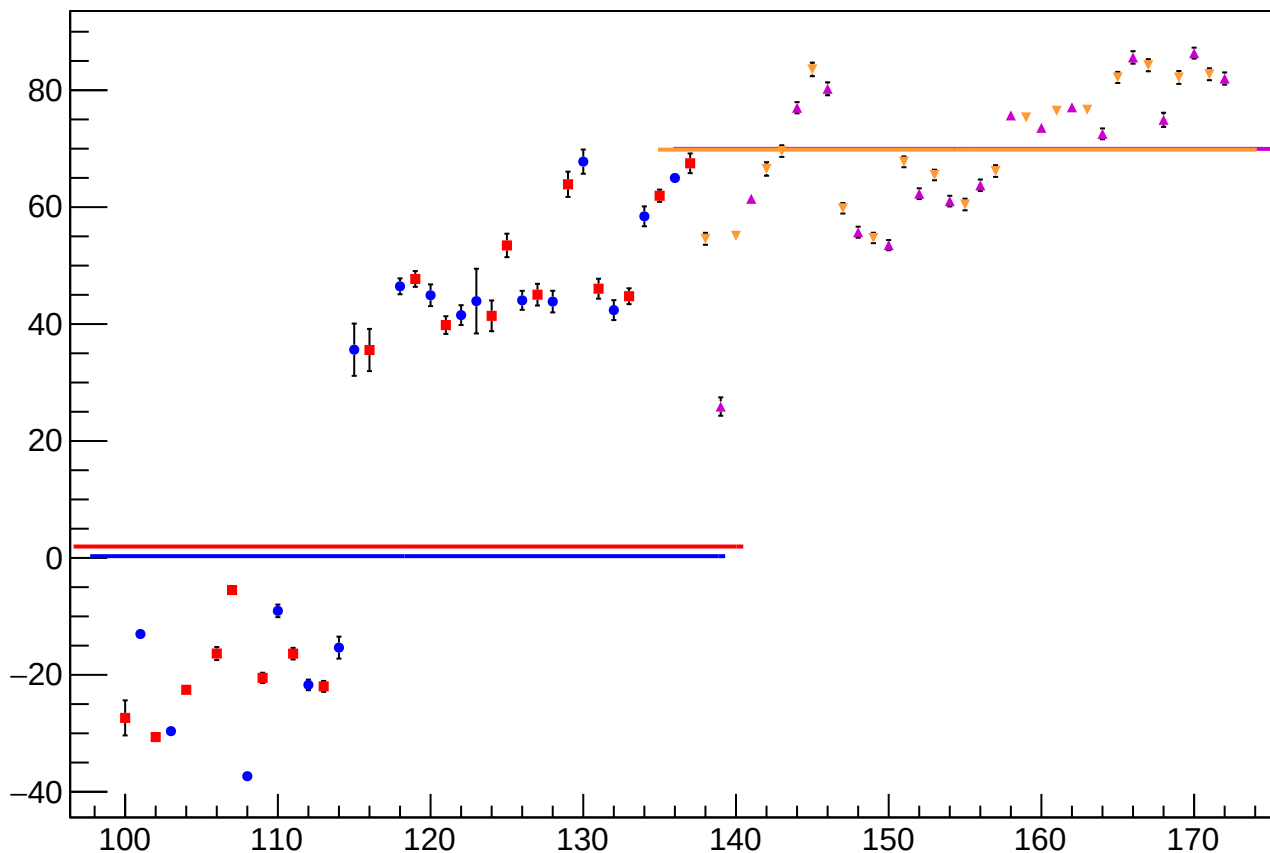
Left In: 52.013 ± 0.263 $\chi^2/\text{NDF}: 992.4/16$

+ sign 32.313 ± 0.211 $\chi^2/\text{NDF}: 15671.3/34$

All: 33.436 ± 0.151 $\chi^2/\text{NDF}: 30531.8/70$

- sign 34.610 ± 0.216 $\chi^2/\text{NDF}: 14802.7/35$

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 69.832 ± 0.219 χ^2/NDF : 2099.5/17

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

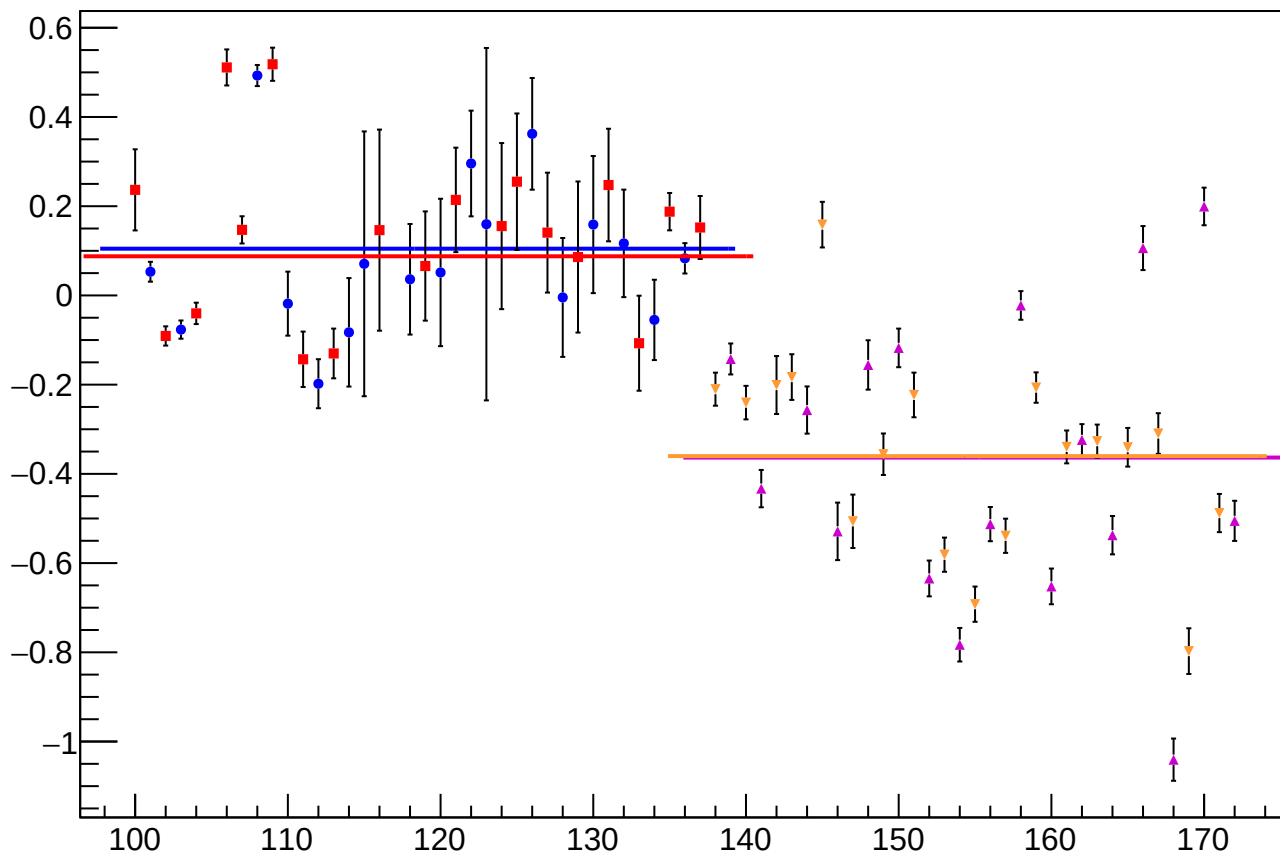
Left In: 69.963 ± 0.227 χ^2/NDF : 2669.9/16

+ sign 39.270 ± 0.164 χ^2/NDF : 64623.2/34

All: 40.292 ± 0.119 χ^2/NDF : 120588.6/70

- sign 41.426 ± 0.173 χ^2/NDF : 55883.5/35

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.360 ± 0.010 χ^2/NDF : 391.3/17

Right Out: 0.088 ± 0.011 χ^2/NDF : 390.9/18

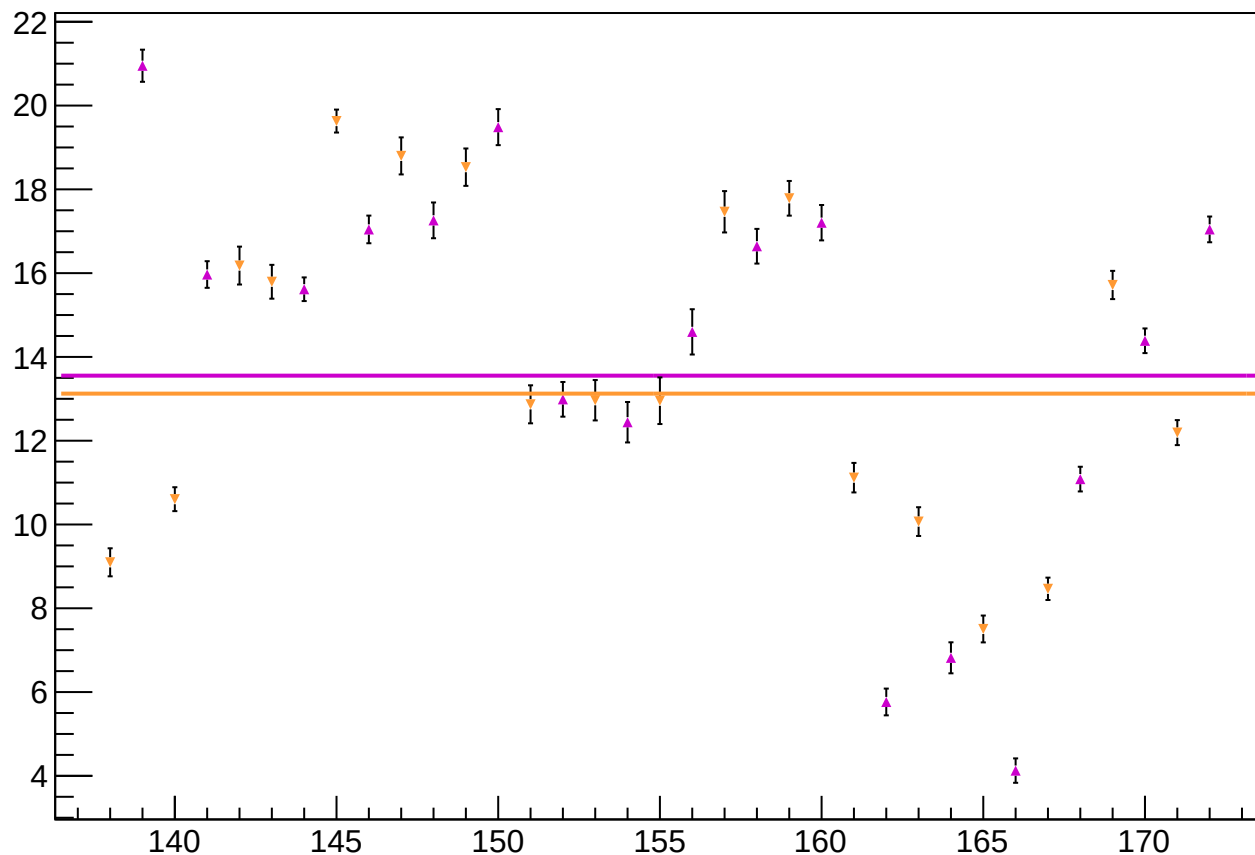
Left In: -0.363 ± 0.010 χ^2/NDF : 951.5/16

+ sign -0.149 ± 0.007 χ^2/NDF : 1759.7/34

All: -0.153 ± 0.005 χ^2/NDF : 4010.7/70

- sign -0.156 ± 0.007 χ^2/NDF : 2250.5/35

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 13.124+/-0.085 χ^2/NDF : 2184.2/17

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

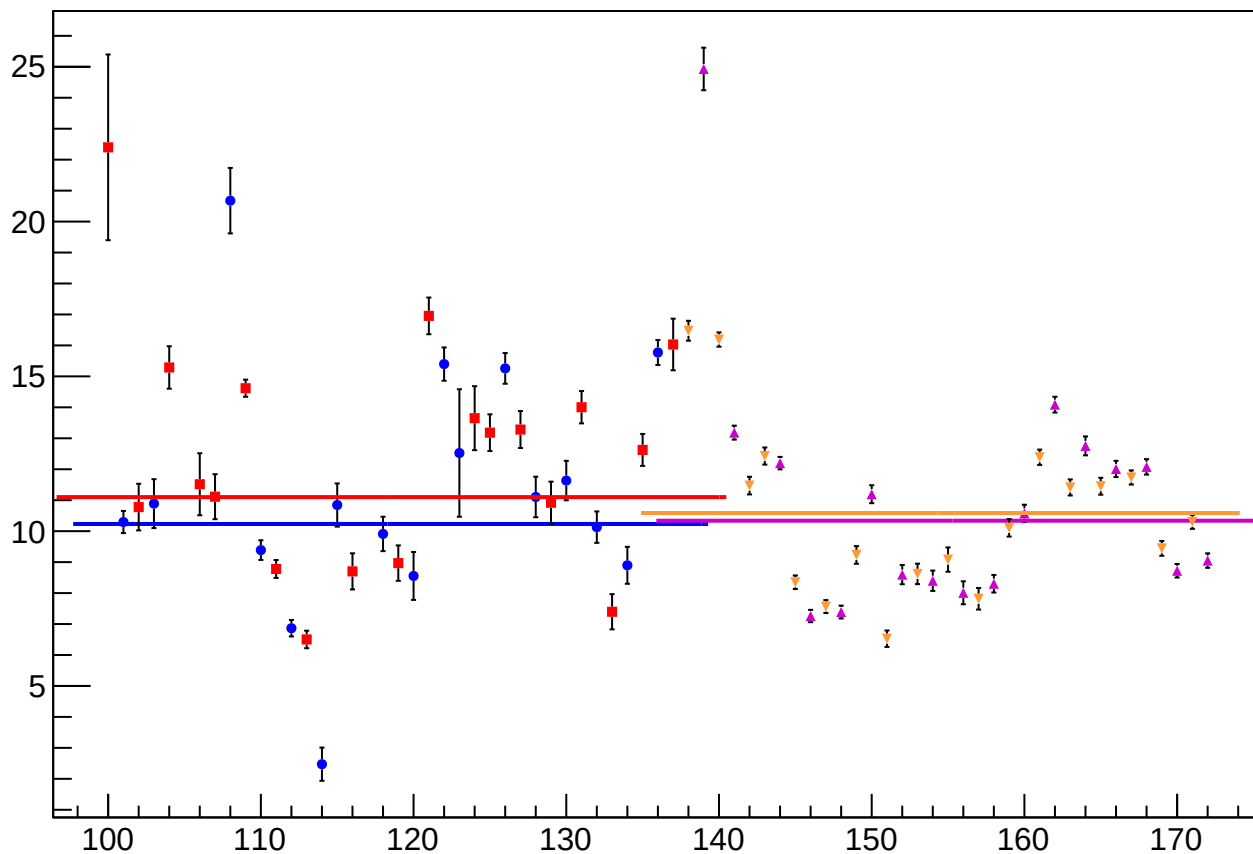
Left In: 13.553+/-0.085 χ^2/NDF : 3182.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 13.337+/-0.060 χ^2/NDF : 5378.9/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 10.586 ± 0.062 χ^2/NDF : 1781.8/17

Right Out: 11.100 ± 0.116 χ^2/NDF : 817.8/18

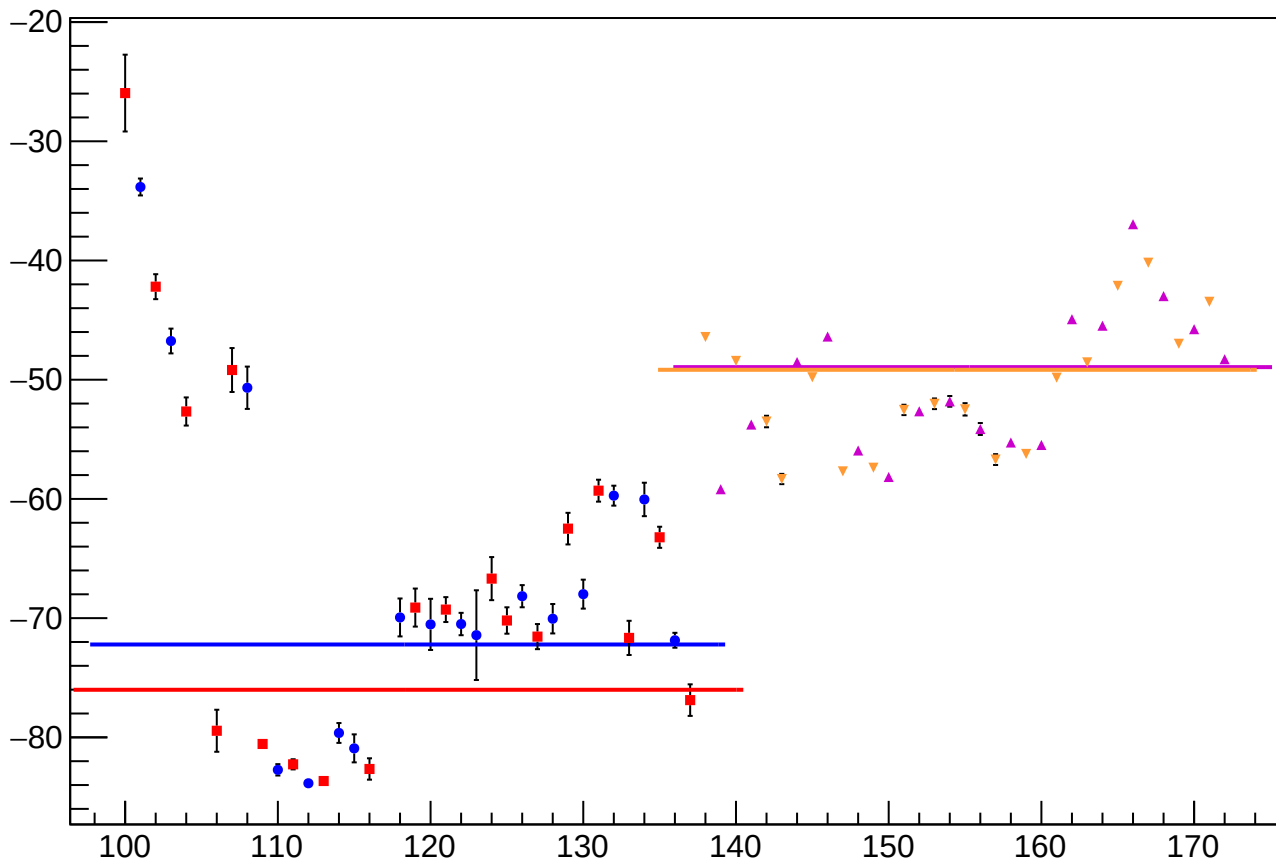
Left In: 10.338 ± 0.063 χ^2/NDF : 1756.6/16

+ sign 10.511 ± 0.055 χ^2/NDF : 2665.4/34

All: 10.510 ± 0.039 χ^2/NDF : 5273.1/70

- sign 10.509 ± 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: -49.168 ± 0.085 χ^2/NDF : 4148.0/17

Right Out: -76.009 ± 0.181 χ^2/NDF : 3463.3/18

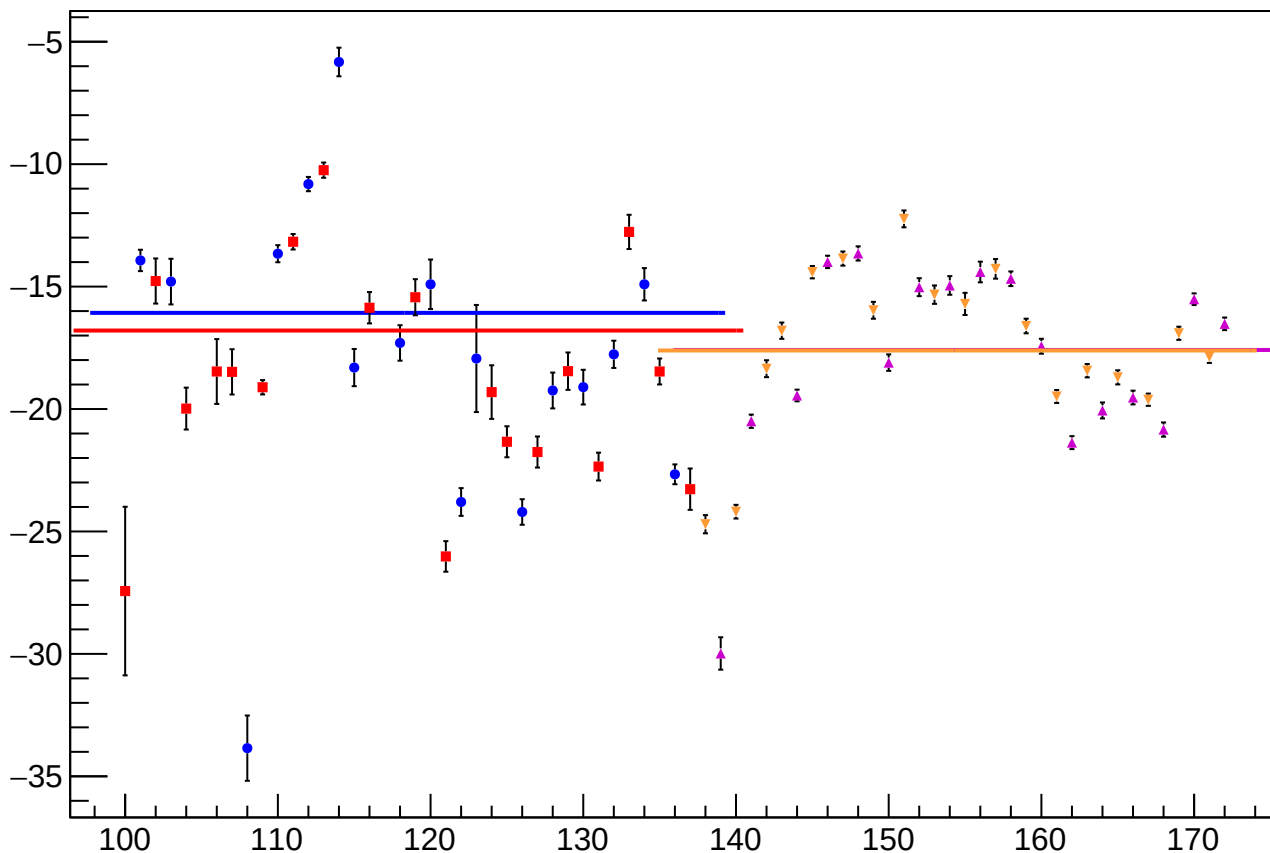
Left In: -48.944 ± 0.085 χ^2/NDF : 4913.2/16

+ sign -52.761 ± 0.078 χ^2/NDF : 21147.1/34

All: -53.298 ± 0.055 χ^2/NDF : 47953.5/70

- 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 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -17.609 ± 0.071 $\chi^2/\text{NDF}: 1802.2/17$

Right Out: -16.795 ± 0.128 $\chi^2/\text{NDF}: 1216.0/18$

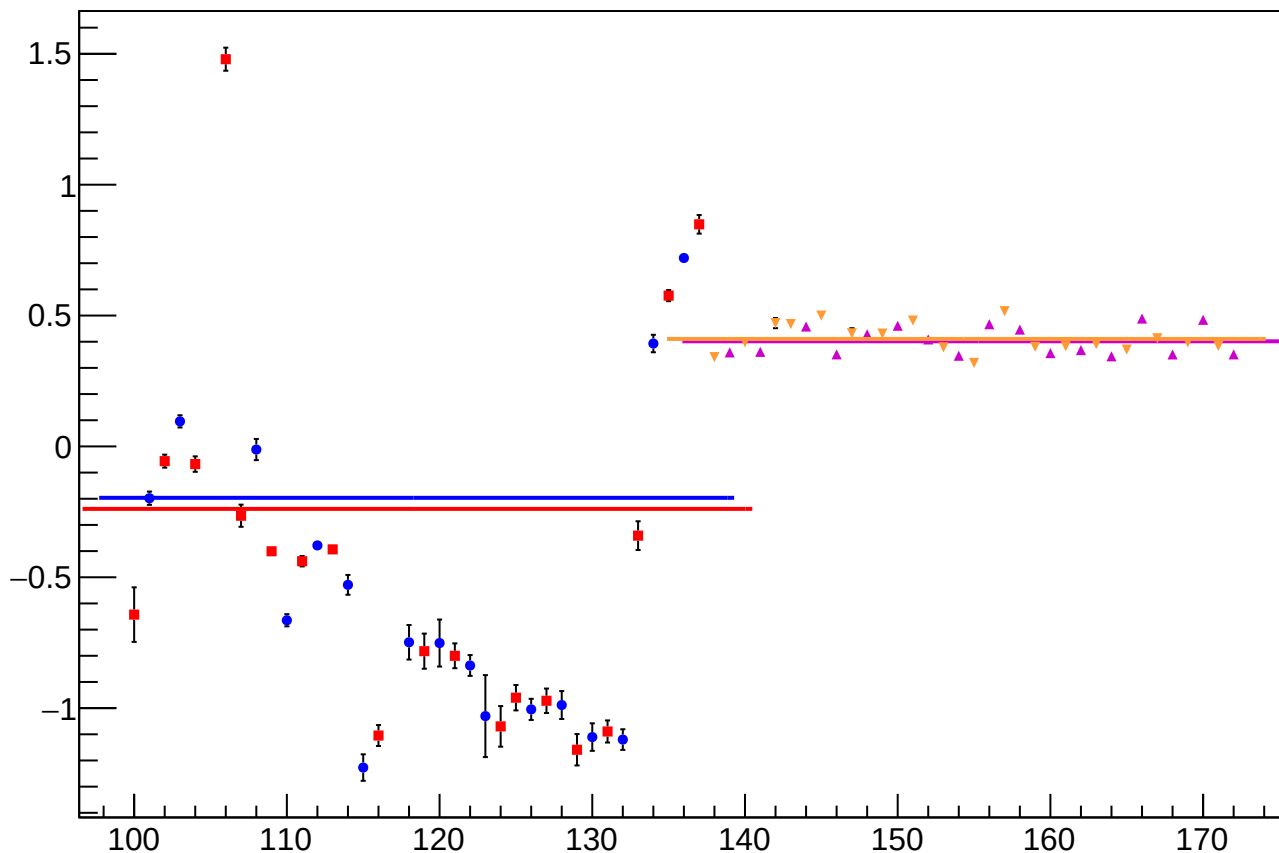
Left In: -17.588 ± 0.072 $\chi^2/\text{NDF}: 1689.7/16$

+ sign -17.264 ± 0.063 $\chi^2/\text{NDF}: 3546.9/34$

All: -17.331 ± 0.044 $\chi^2/\text{NDF}: 6484.0/70$

- sign -17.398 ± 0.063 $\chi^2/\text{NDF}: 2934.9/35$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.411 ± 0.003 χ^2/NDF : 228.9/17

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

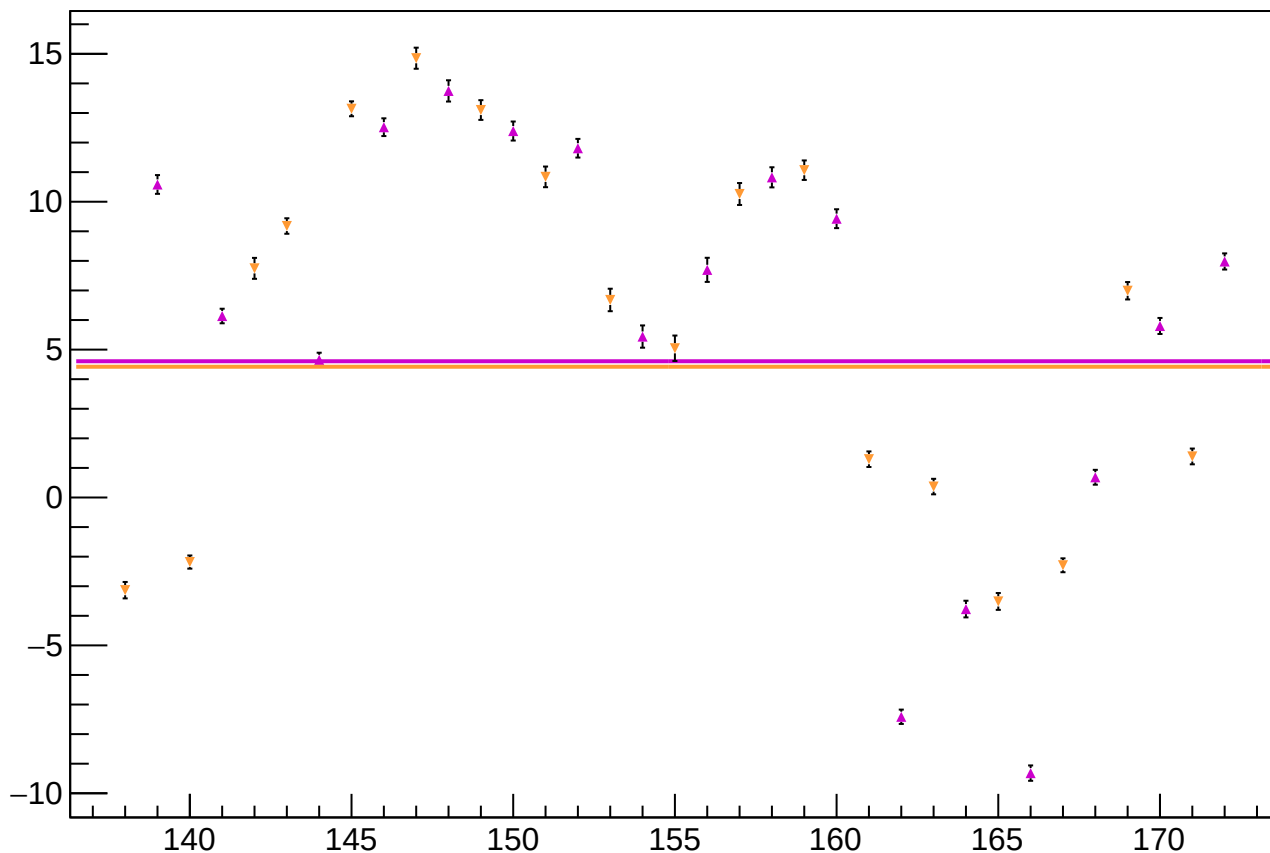
Left In: 0.402 ± 0.003 χ^2/NDF : 275.1/16

+ sign 0.312 ± 0.003 χ^2/NDF : 11974.8/34

All: 0.300 ± 0.002 χ^2/NDF : 25020.1/70

- sign 0.289 ± 0.003 χ^2/NDF : 13015.6/35

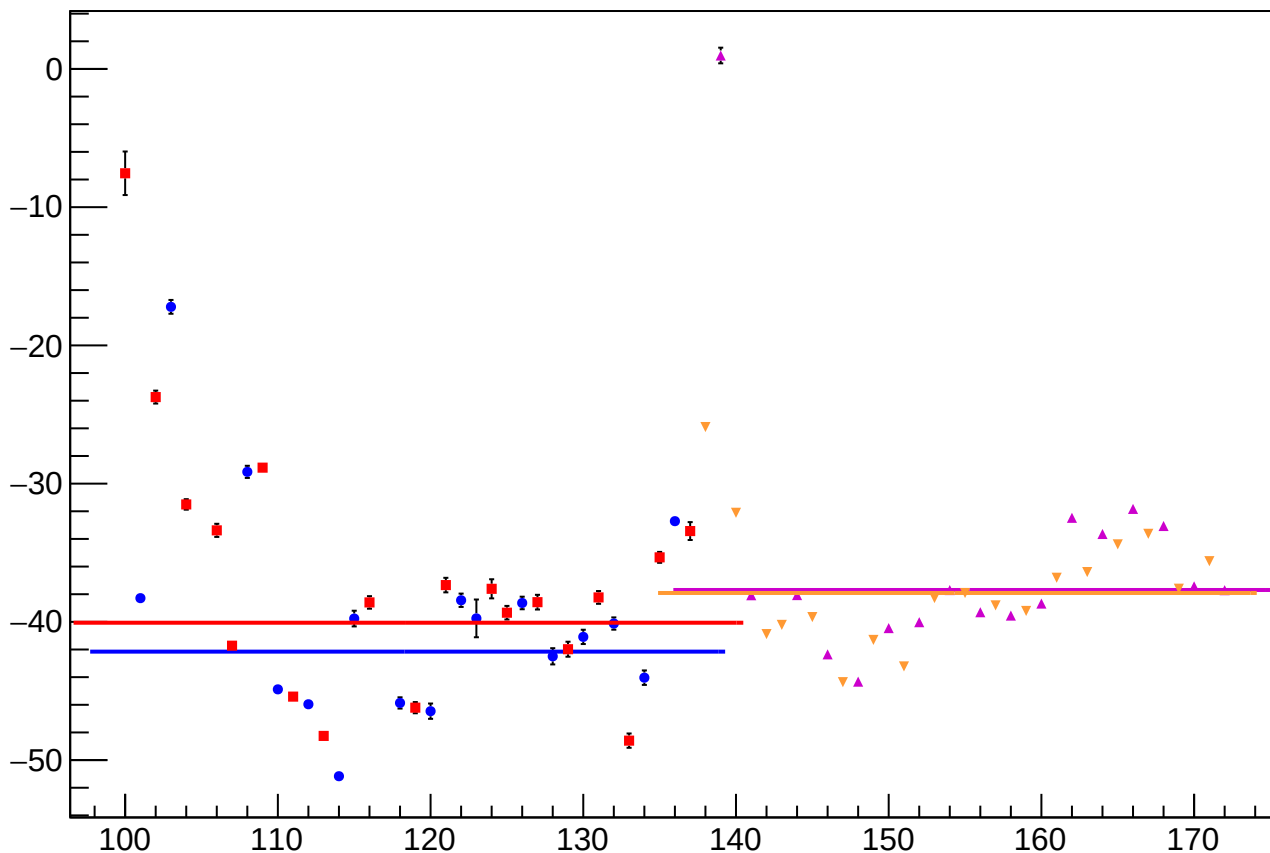
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.421+/-0.069 χ^2/NDF :7975.9/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.606+/-0.071 χ^2/NDF :10102.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 4.512+/-0.049 χ^2/NDF : 18081.6/34
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -37.910 ± 0.050 χ^2/NDF : 6720.0/17

Right Out: -40.062 ± 0.073 χ^2/NDF : 11322.2/18

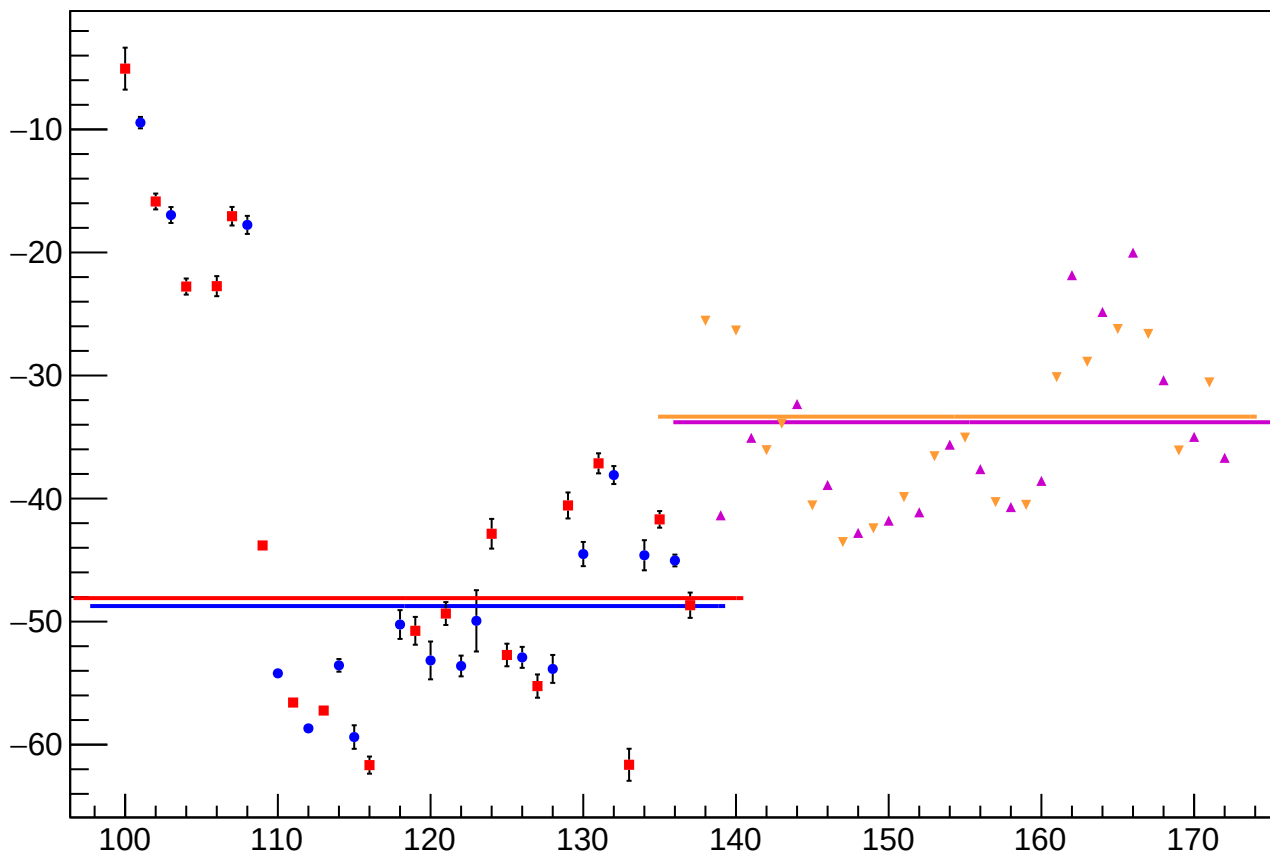
Left In: -37.694 ± 0.052 χ^2/NDF : 9214.1/16

+ sign -39.143 ± 0.042 χ^2/NDF : 15376.3/34

All: -38.819 ± 0.030 χ^2/NDF : 36734.1/70

- 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 χ^2/NDF : 14658.1/16

Left Out: -33.344 ± 0.069 χ^2/NDF : 7641.0/17

Right Out: -48.092 ± 0.107 χ^2/NDF : 11733.2/18

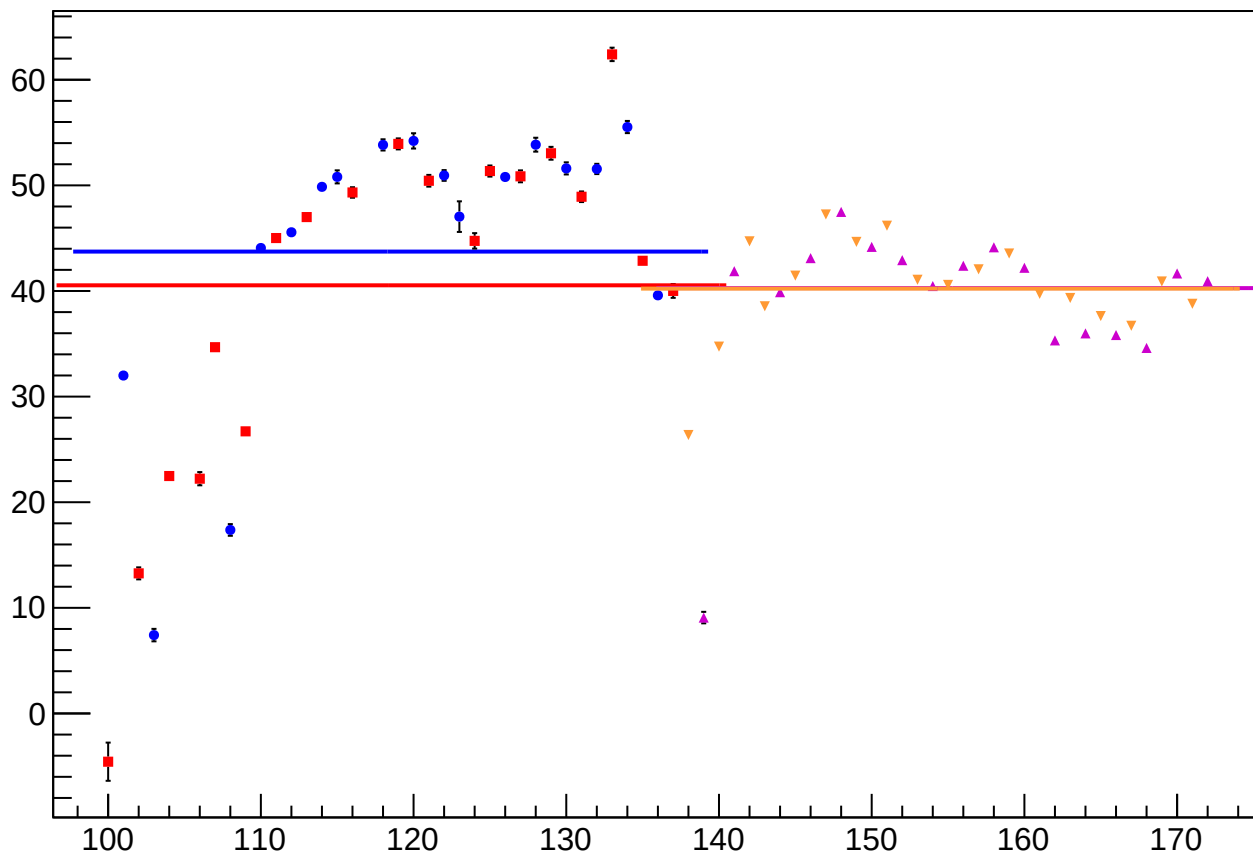
Left In: -33.797 ± 0.070 χ^2/NDF : 10443.0/16

+ sign -36.948 ± 0.060 χ^2/NDF : 33995.6/34

All: -37.515 ± 0.042 χ^2/NDF : 68828.7/70

- sign -38.048 ± 0.058 χ^2/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: 40.225 ± 0.058 $\chi^2/\text{NDF}: 5351.6/17$

Right Out: 40.537 ± 0.080 $\chi^2/\text{NDF}: 17601.3/18$

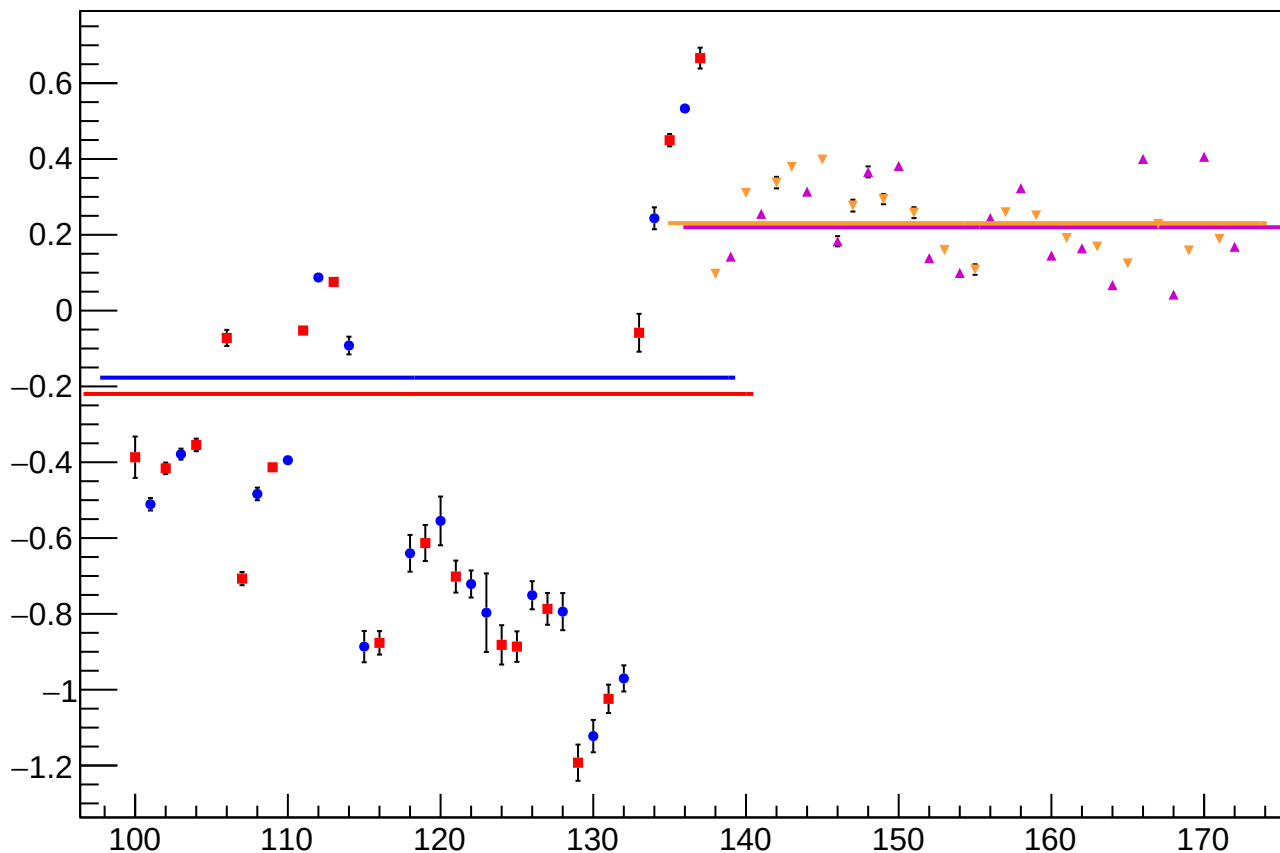
Left In: 40.272 ± 0.059 $\chi^2/\text{NDF}: 6825.8/16$

+ sign 41.296 ± 0.048 $\chi^2/\text{NDF}: 17051.2/34$

All: 40.829 ± 0.034 $\chi^2/\text{NDF}: 41673.9/70$

- 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 : 1016.0/17

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

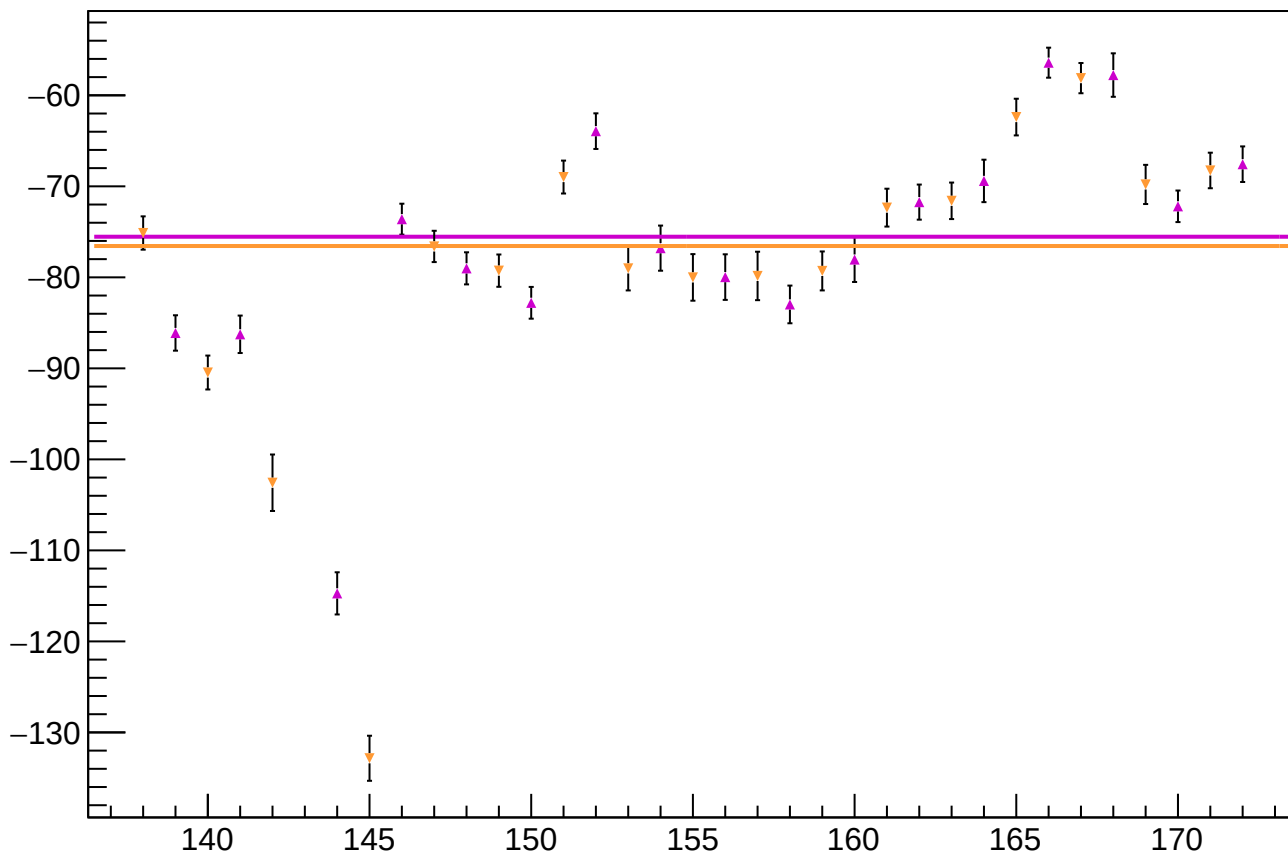
Left In: 0.220 ± 0.003 χ^2/NDF : 1841.8/16

+ sign 0.135 ± 0.002 χ^2/NDF : 13800.4/34

All: 0.114 ± 0.002 χ^2/NDF : 30673.4/70

- sign 0.094 ± 0.002 χ^2/NDF : 16720.1/35

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -76.558 $\pm$ 0.496 χ^2 /NDF:880.3/16

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

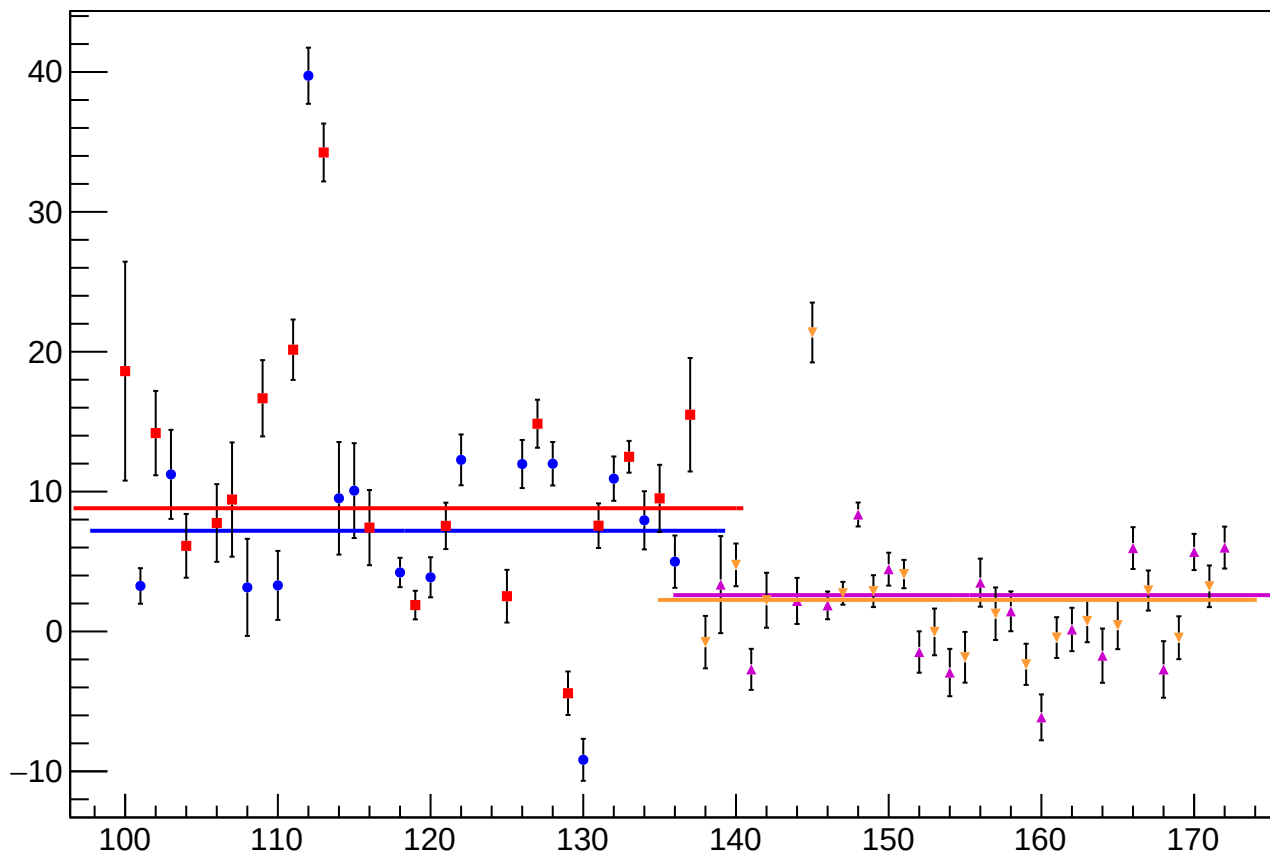
Left In: -75.536 $\pm$ 0.485 χ^2 /NDF:638.3/16

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

All: -76.035 $\pm$ 0.347 χ^2 /NDF: 1520.7/33

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

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.255 ± 0.344 χ^2/NDF : 115.4/16

Right Out: 8.810 ± 0.448 χ^2/NDF : 349.7/17

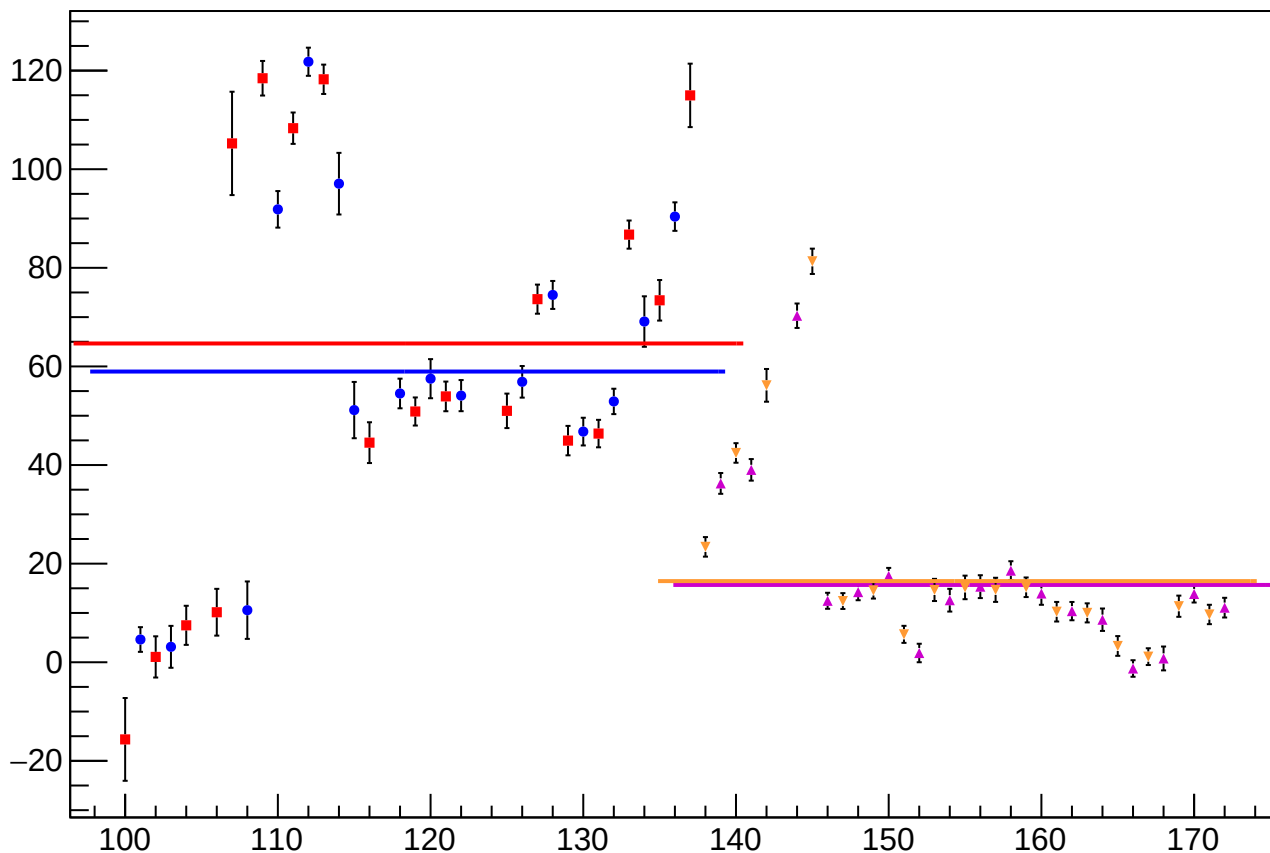
Left In: 2.596 ± 0.344 χ^2/NDF : 139.4/16

+ sign 4.133 ± 0.271 χ^2/NDF : 637.7/32

All: 4.515 ± 0.192 χ^2/NDF : 1251.8/67

- 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: 16.460 $\pm$ 0.487 χ^2 /NDF:1175.6/16

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

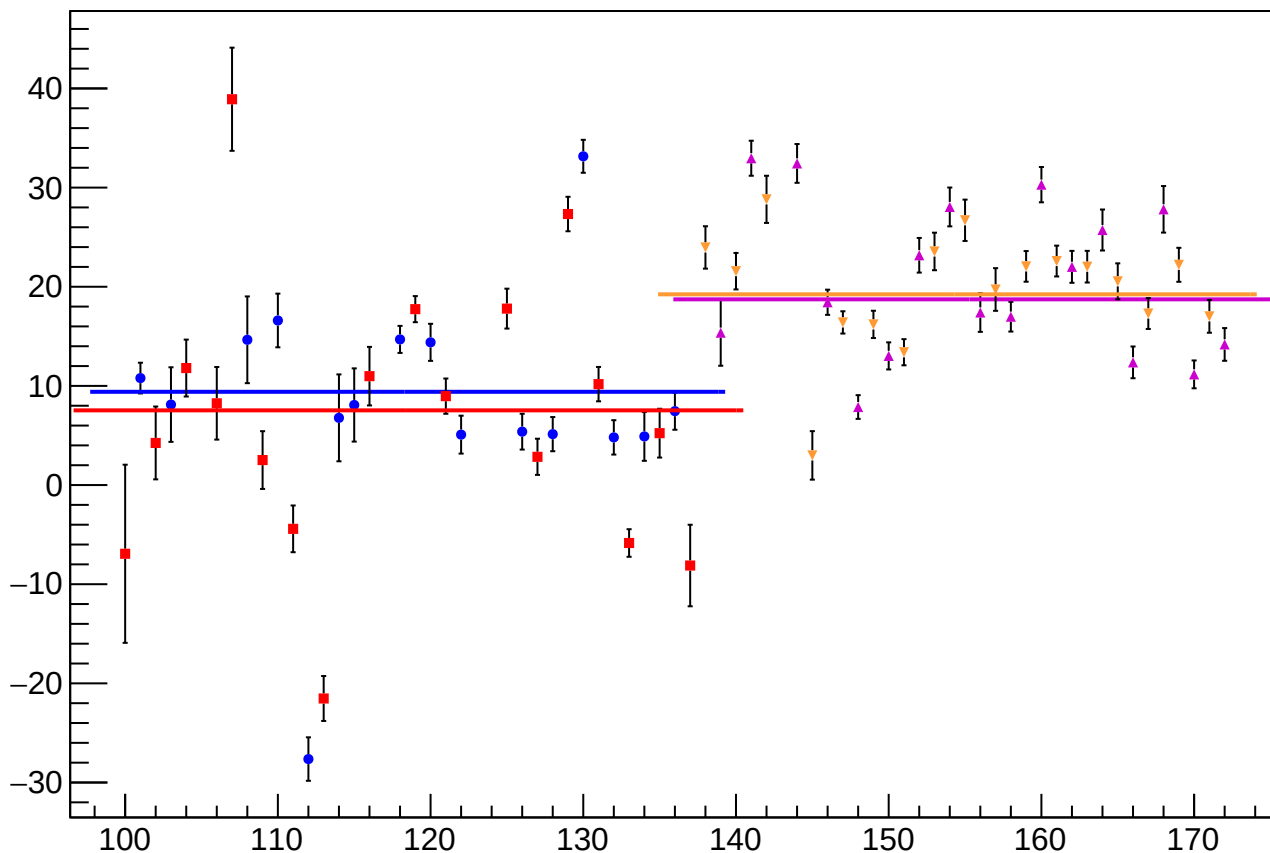
Left In: 15.681 $\pm$ 0.475 χ^2 /NDF:923.4/16

+ sign 27.201 $\pm$ 0.421 χ^2 /NDF: 4599.1/32

All: 27.378 $\pm$ 0.295 χ^2 /NDF: 9820.0/67

- 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: 19.236 ± 0.404 χ^2/NDF : 133.7/16

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

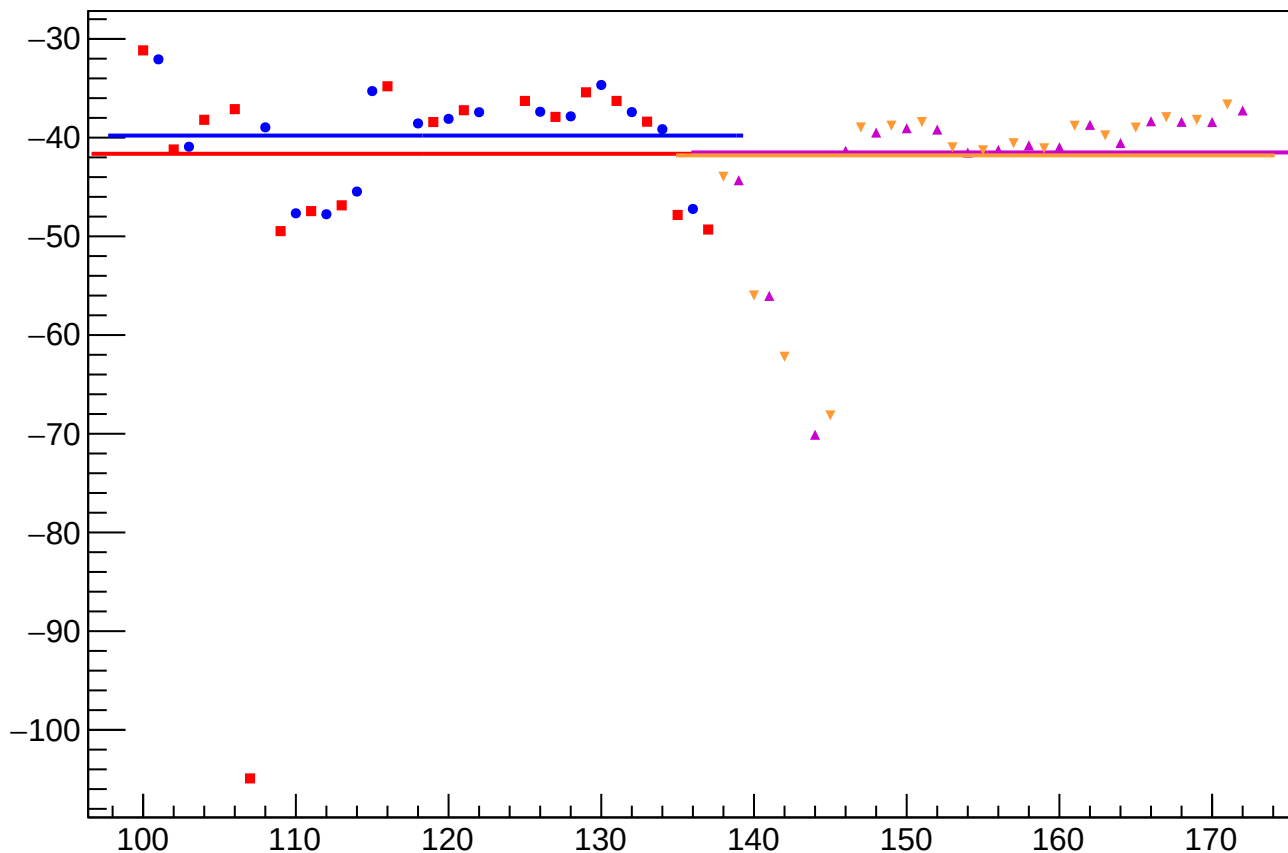
Left In: 18.729 ± 0.402 χ^2/NDF : 371.1/16

+ sign 15.414 ± 0.316 χ^2/NDF : 913.2/32

All: 14.955 ± 0.224 χ^2/NDF : 2152.4/67

- 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: -41.796 ± 0.019 χ^2/NDF : 137837.4/16

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

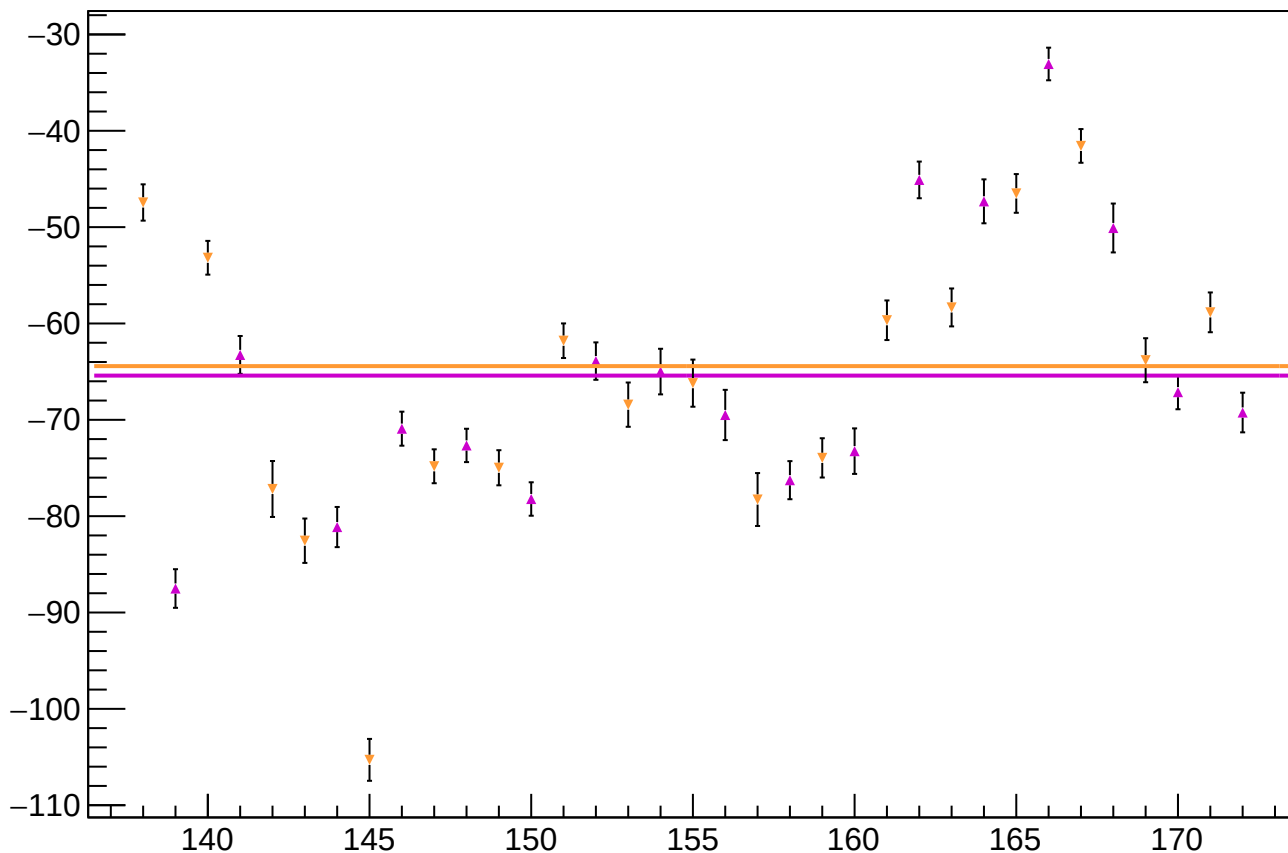
Left In: -41.501 ± 0.019 χ^2/NDF : 111231.8/16

+ sign -41.246 ± 0.016 χ^2/NDF : 166967.5/32

All: -41.394 ± 0.011 χ^2/NDF : 372767.4/67

- 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: -64.426±/-0.483 χ^2 /NDF:950.9/17

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

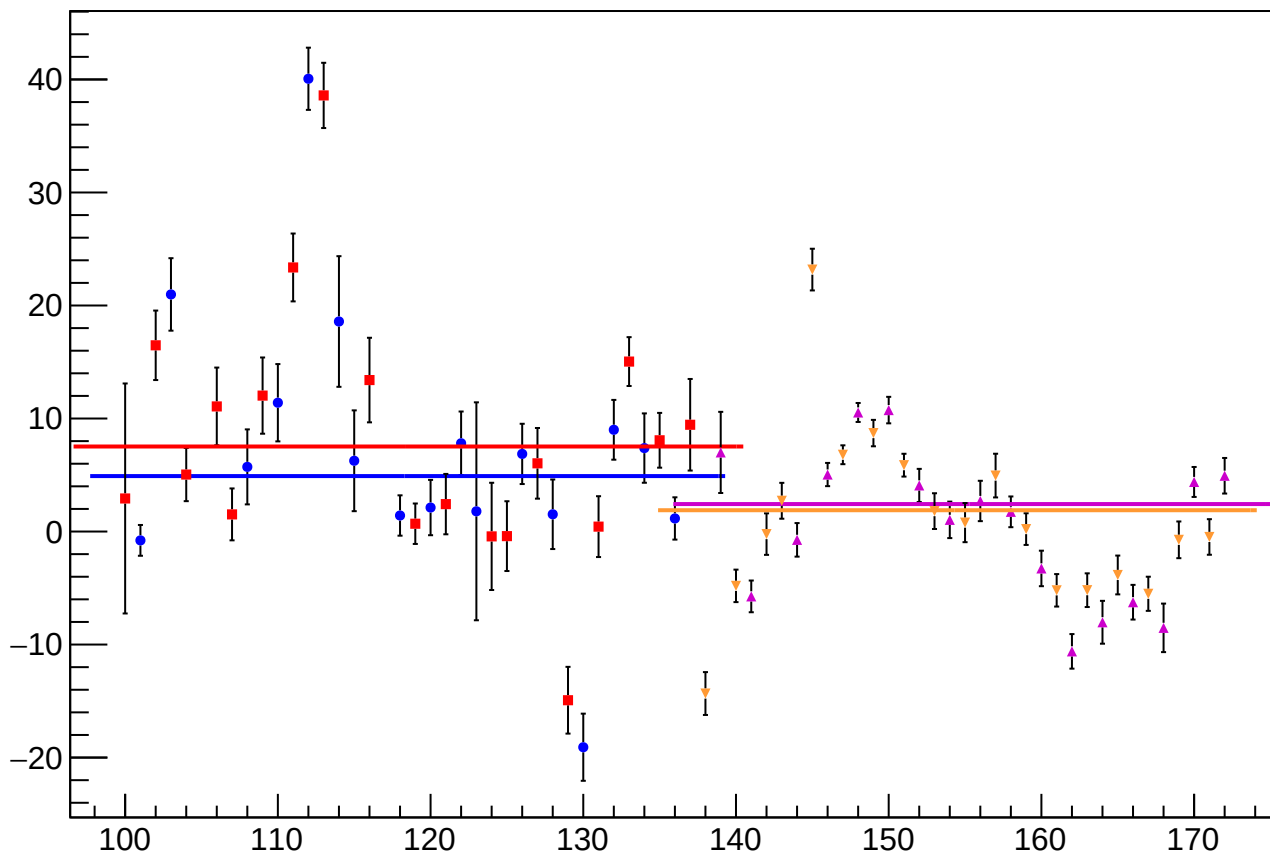
Left In: -65.410±/-0.484 χ^2 /NDF:888.1/16

+ sign 0.000±/-0.000 χ^2 /NDF: 0.0/0

All: -64.917±/-0.342 χ^2 /NDF: 1841.0/34

- sign 0.000±/-0.000 χ^2 /NDF: 0.0/0

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 1.885 ± 0.335 χ^2/NDF : 405.2/17

Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

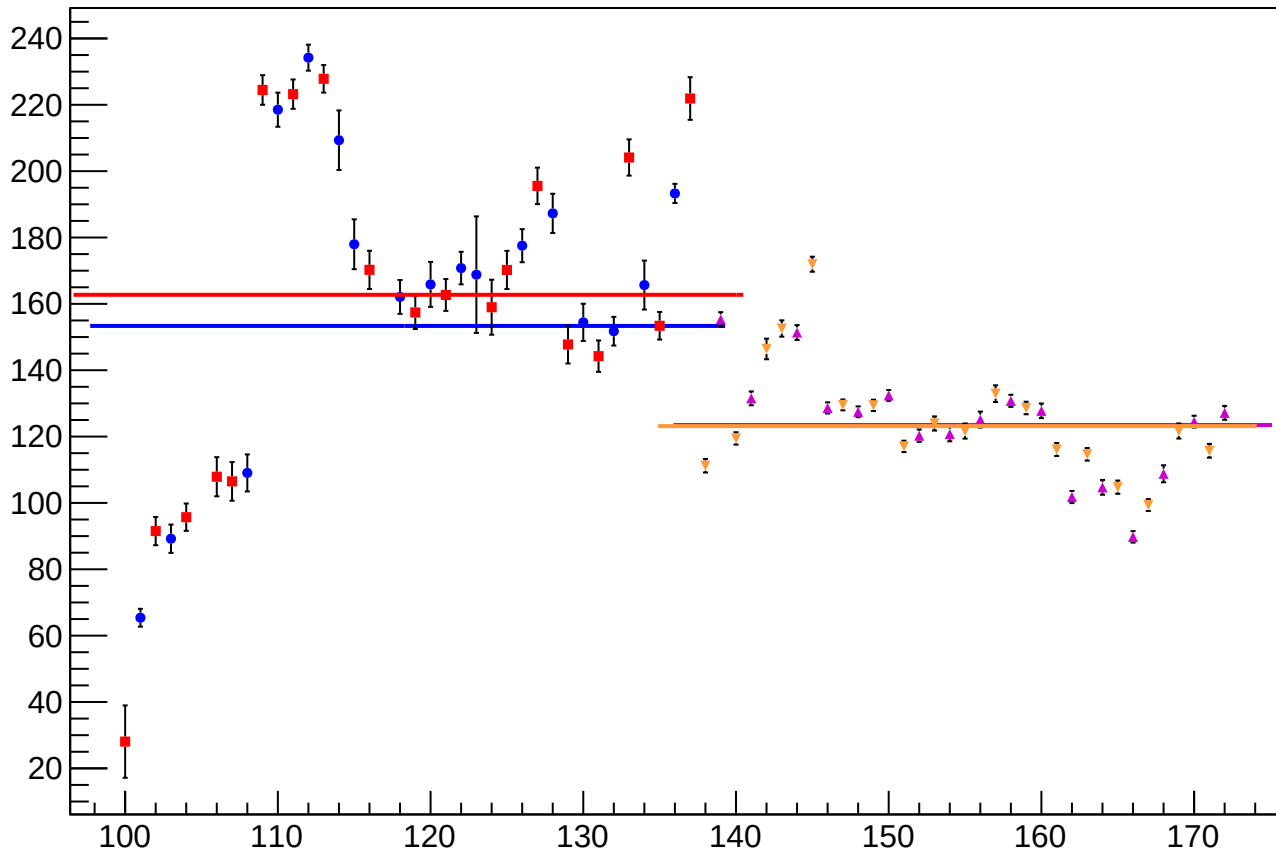
Left In: 2.431 ± 0.342 χ^2/NDF : 371.3/16

+ sign 2.555 ± 0.296 χ^2/NDF : 718.6/34

All: 3.032 ± 0.211 χ^2/NDF : 1413.9/70

- sign 3.532 ± 0.303 χ^2/NDF : 689.9/35

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 123.154 $\pm$ 0.476 χ^2 /NDF:1072.1/17

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

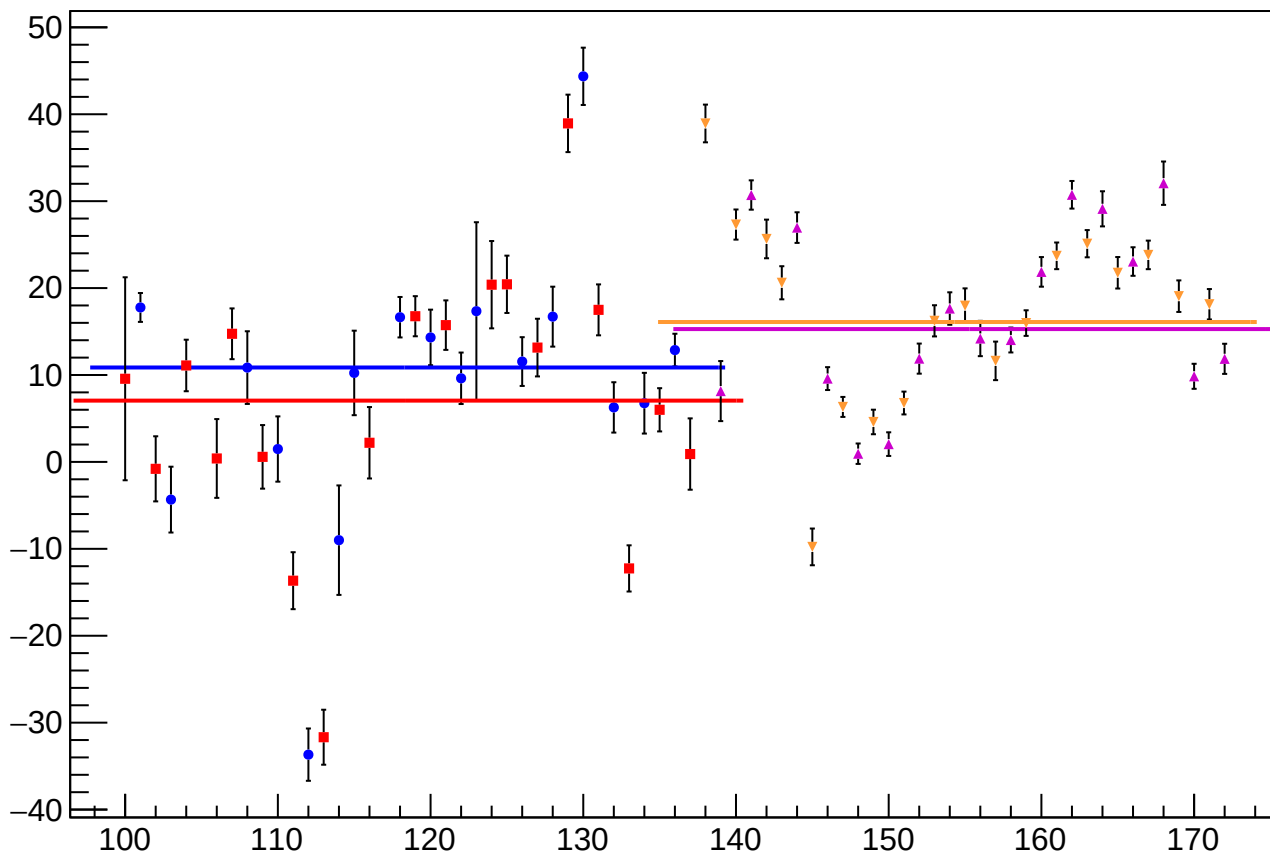
Left In: 123.498 $\pm$ 0.474 χ^2 /NDF:1086.3/16

+ sign 127.567 $\pm$ 0.440 χ^2 /NDF: 3928.9/34

All: 128.268 $\pm$ 0.311 χ^2 /NDF: 7685.6/70

- sign 128.967 $\pm$ 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: 16.097 $\pm$ 0.394 χ^2 /NDF: 614.2/17

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

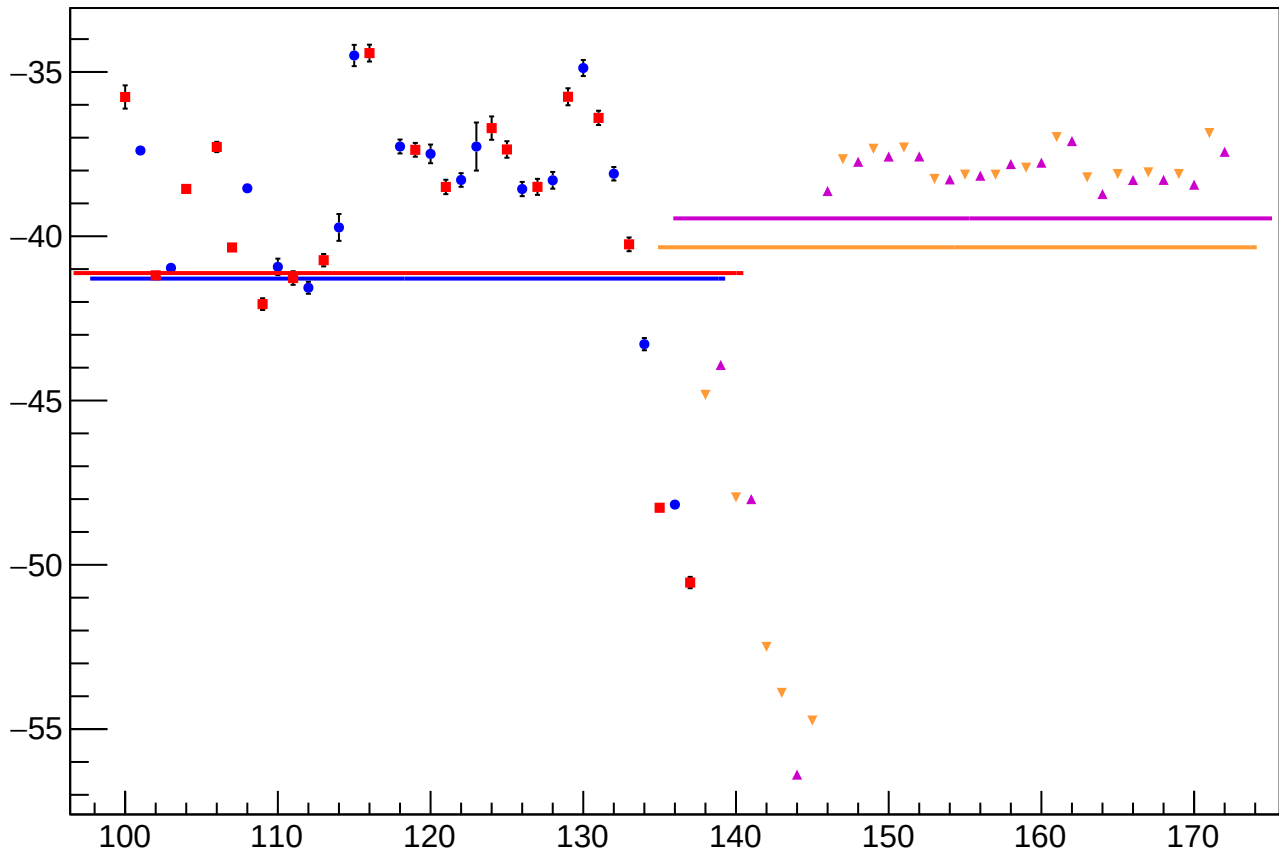
Left In: 15.283 $\pm$ 0.399 χ^2 /NDF: 642.9/16

+ sign 14.891 $\pm$ 0.345 χ^2 /NDF: 1042.8/34

All: 14.188 $\pm$ 0.247 χ^2 /NDF: 2213.3/70

- 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 χ^2/NDF : 12509.1/16

Left Out: -40.336 ± 0.019 χ^2/NDF : 81512.0/17

Right Out: -41.120 ± 0.039 χ^2/NDF : 12110.6/18

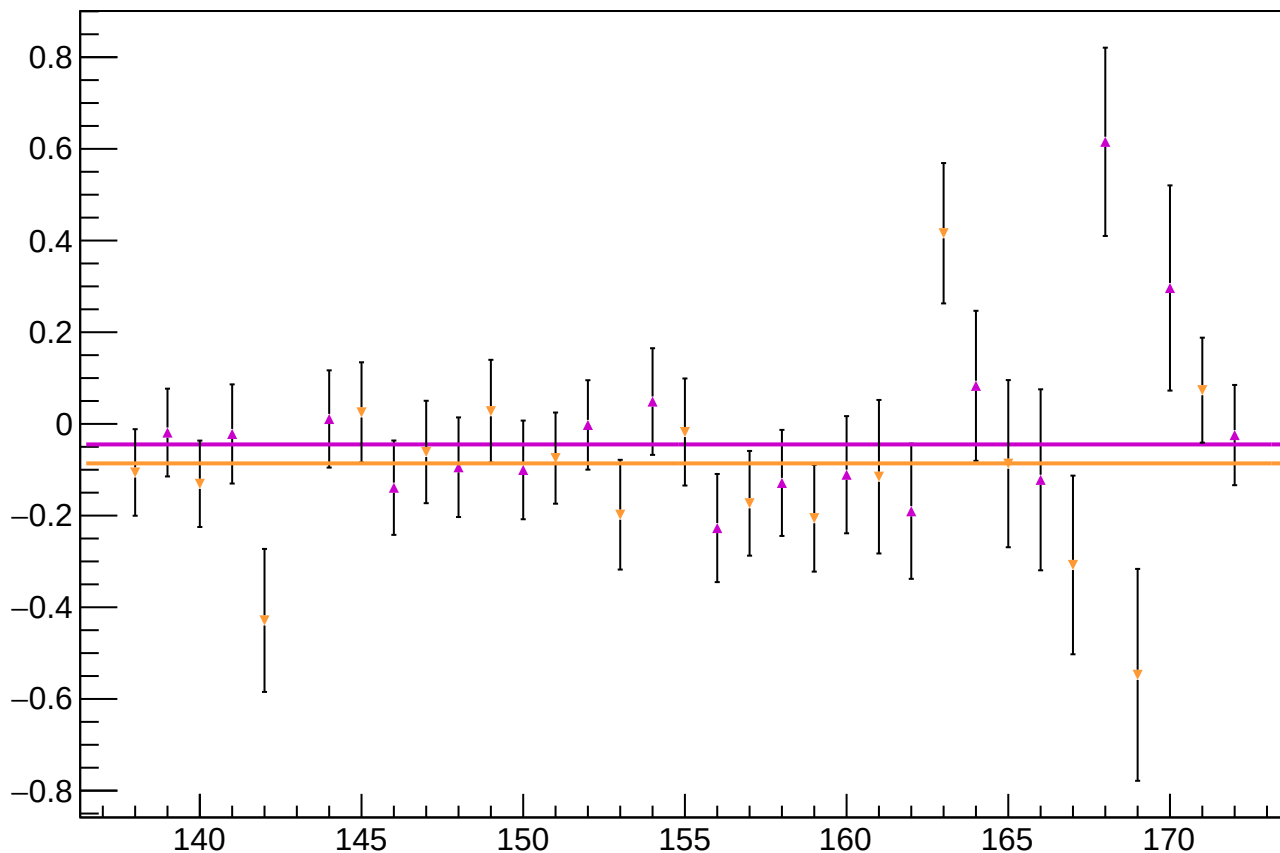
Left In: -39.456 ± 0.019 χ^2/NDF : 49918.2/16

+ sign -40.518 ± 0.017 χ^2/NDF : 94513.4/34

All: -40.141 ± 0.012 χ^2/NDF : 159035.4/70

- sign -39.769 ± 0.017 χ^2/NDF : 63532.3/35

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.086 $\pm$ 0.030 χ^2 /NDF: 28.1/16

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

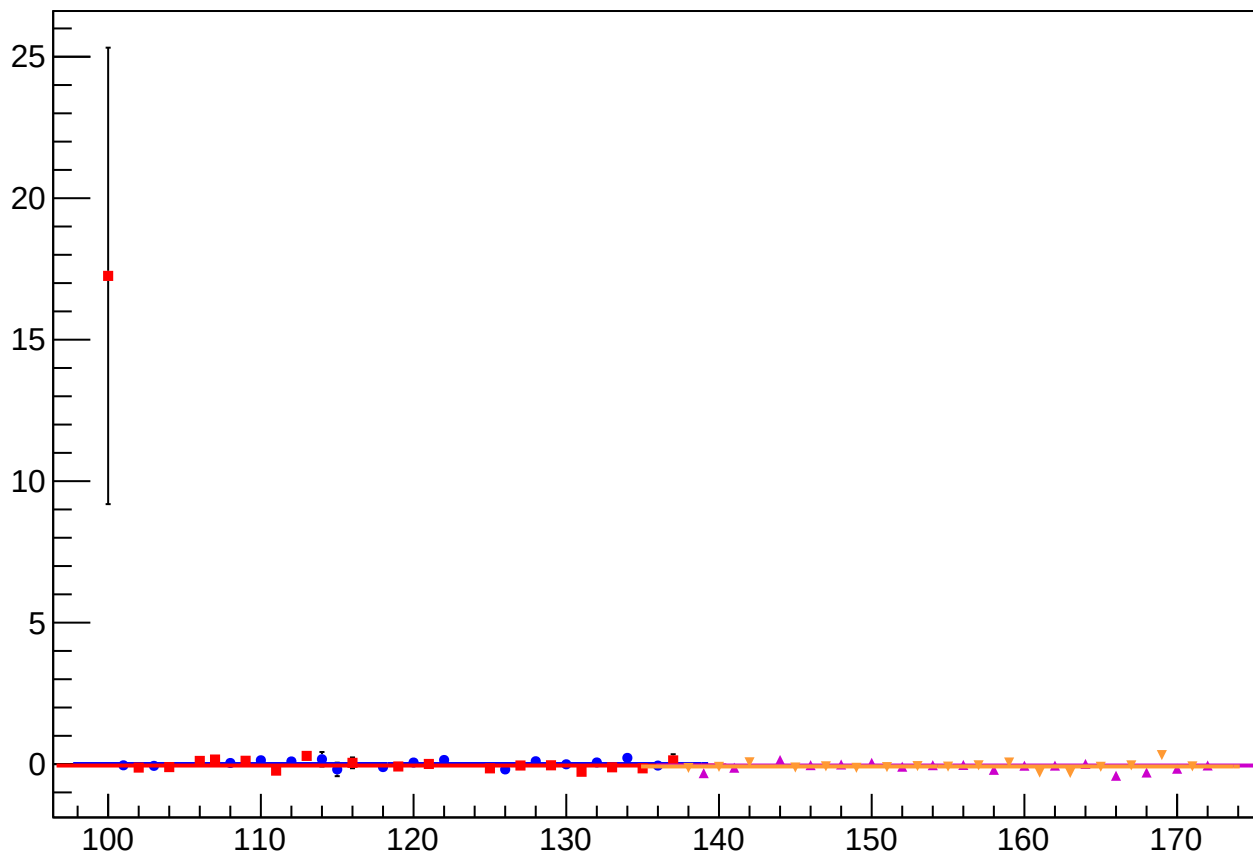
Left In: -0.045 $\pm$ 0.029 χ^2 /NDF: 20.2/16

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

All: -0.065 $\pm$ 0.021 χ^2 /NDF: 49.2/33

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

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.083 ± 0.021 χ^2/NDF : 19.7/16

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.6/17

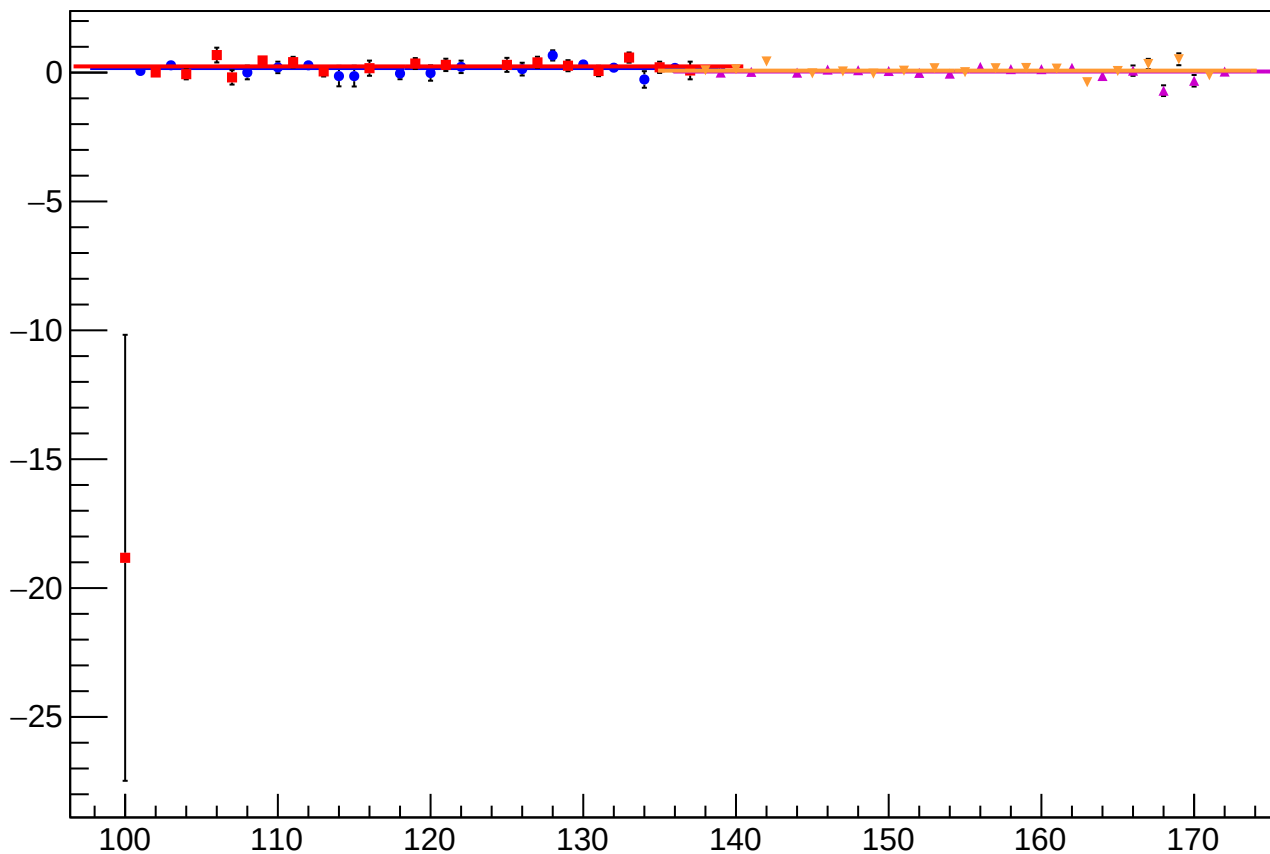
Left In: -0.050 ± 0.021 χ^2/NDF : 23.0/16

+ sign -0.053 ± 0.017 χ^2/NDF : 38.1/32

All: -0.051 ± 0.012 χ^2/NDF : 86.7/67

- sign -0.050 ± 0.017 χ^2/NDF : 48.6/34

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.075 $\pm$ 0.029 χ^2 /NDF: 27.0/16

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

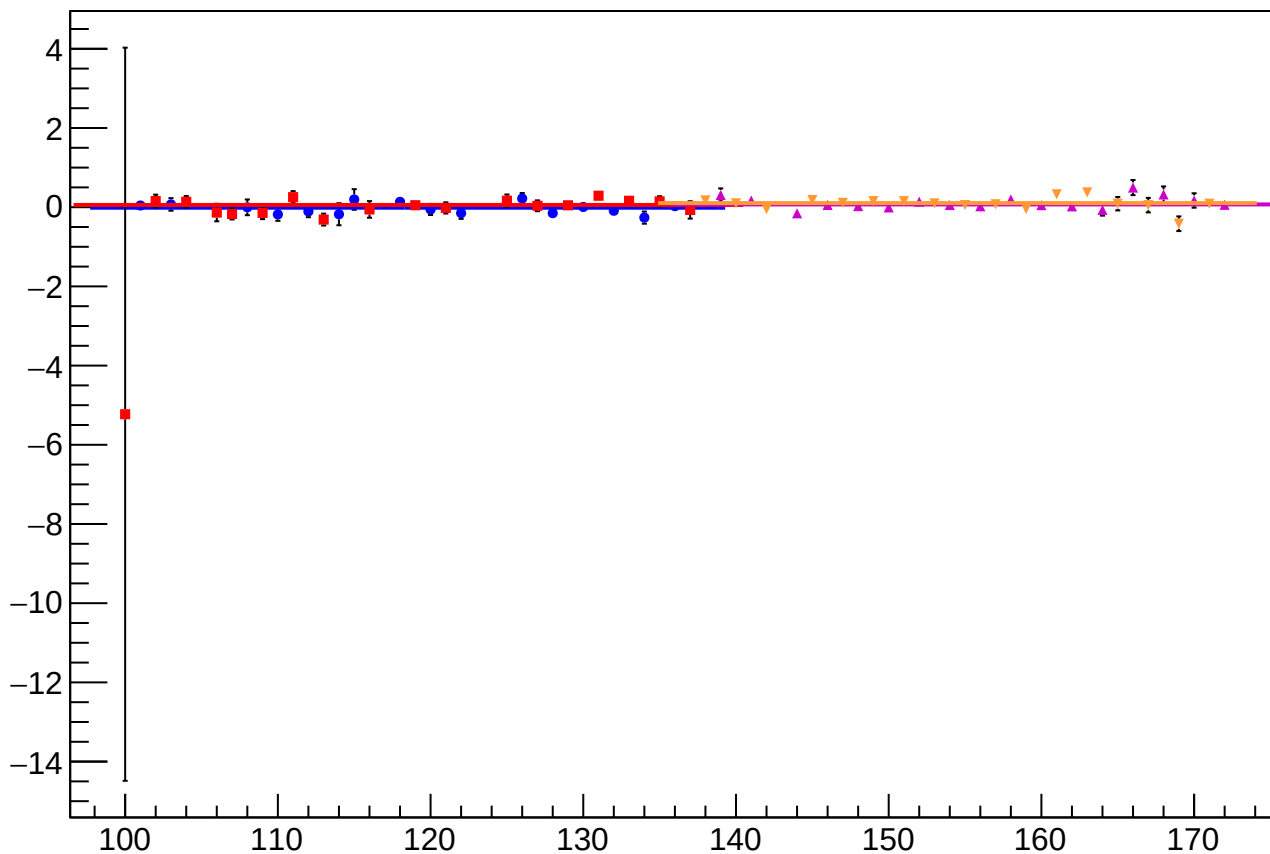
Left In: 0.041 $\pm$ 0.029 χ^2 /NDF: 23.6/16

+ sign 0.099 $\pm$ 0.026 χ^2 /NDF: 42.8/32

All: 0.092 $\pm$ 0.018 χ^2 /NDF: 98.7/67

- sign 0.085 $\pm$ 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: 0.104 ± 0.025 χ^2/NDF : 22.7/16

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

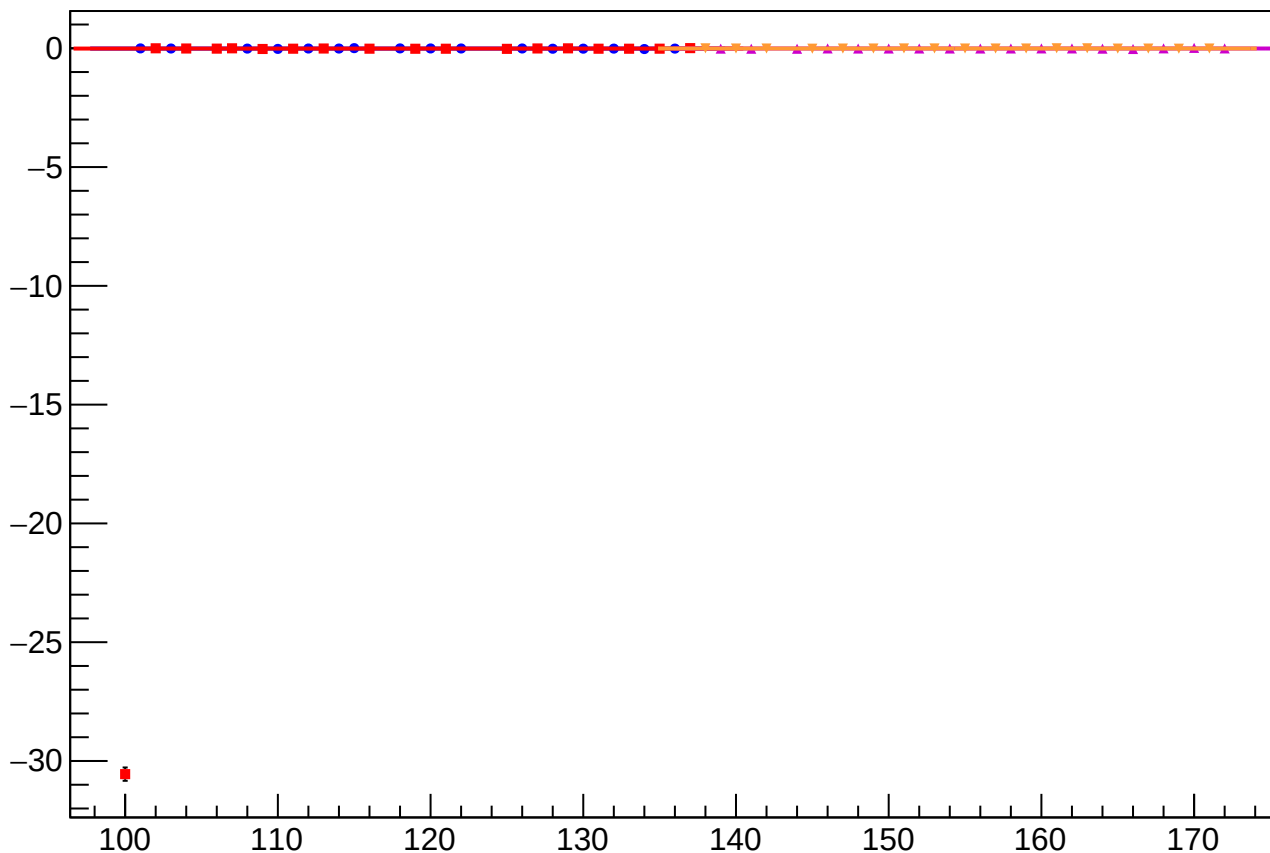
Left In: 0.070 ± 0.024 χ^2/NDF : 21.7/16

+ sign 0.062 ± 0.020 χ^2/NDF : 44.4/32

All: 0.064 ± 0.014 χ^2/NDF : 86.5/67

- sign 0.065 ± 0.020 χ^2/NDF : 42.1/34

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF:13.6/16

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

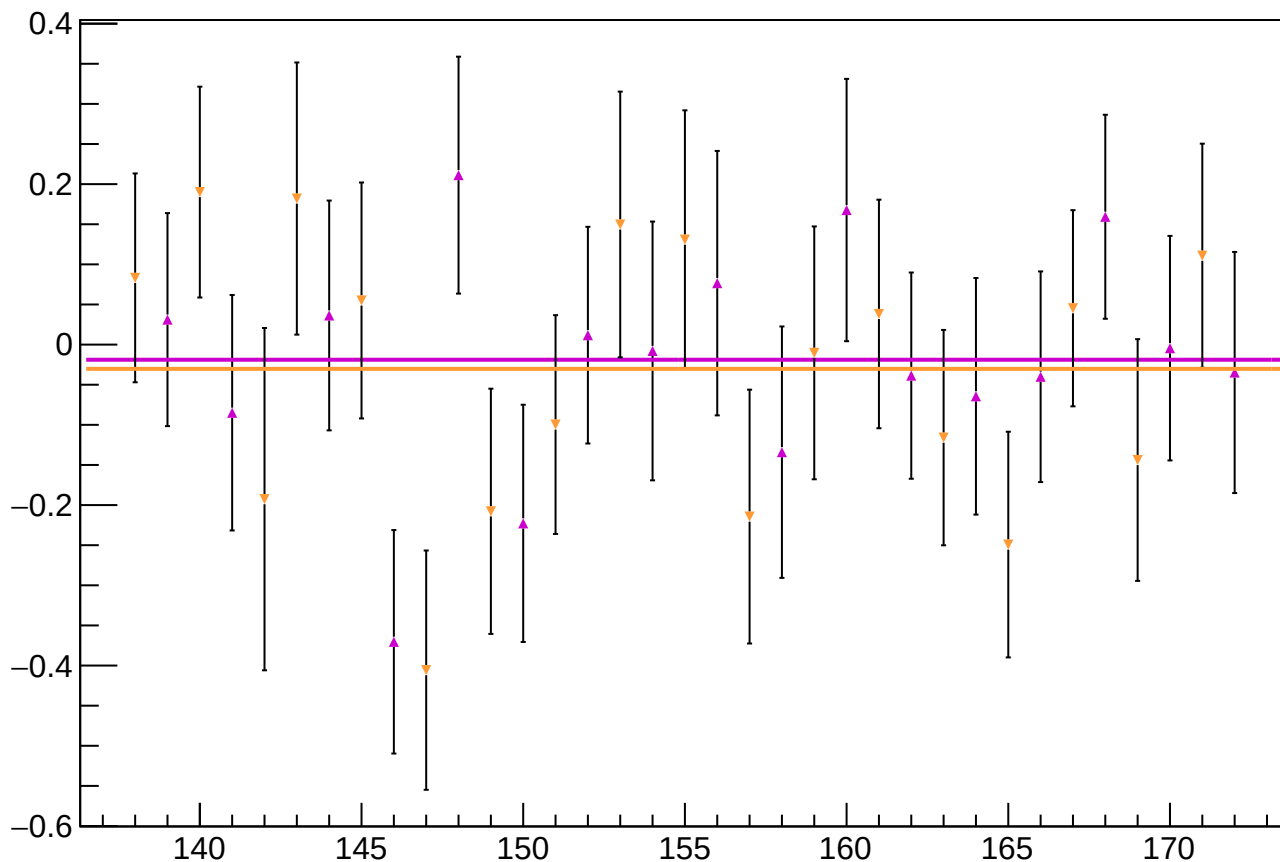
Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:30.2/16

+ sign -0.010 $\pm$ 0.001 χ^2 /NDF: 28.8/32

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11952.0/67

- sign -0.010 $\pm$ 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: -0.030 $\pm$ 0.035 χ^2 /NDF:22.6/17

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

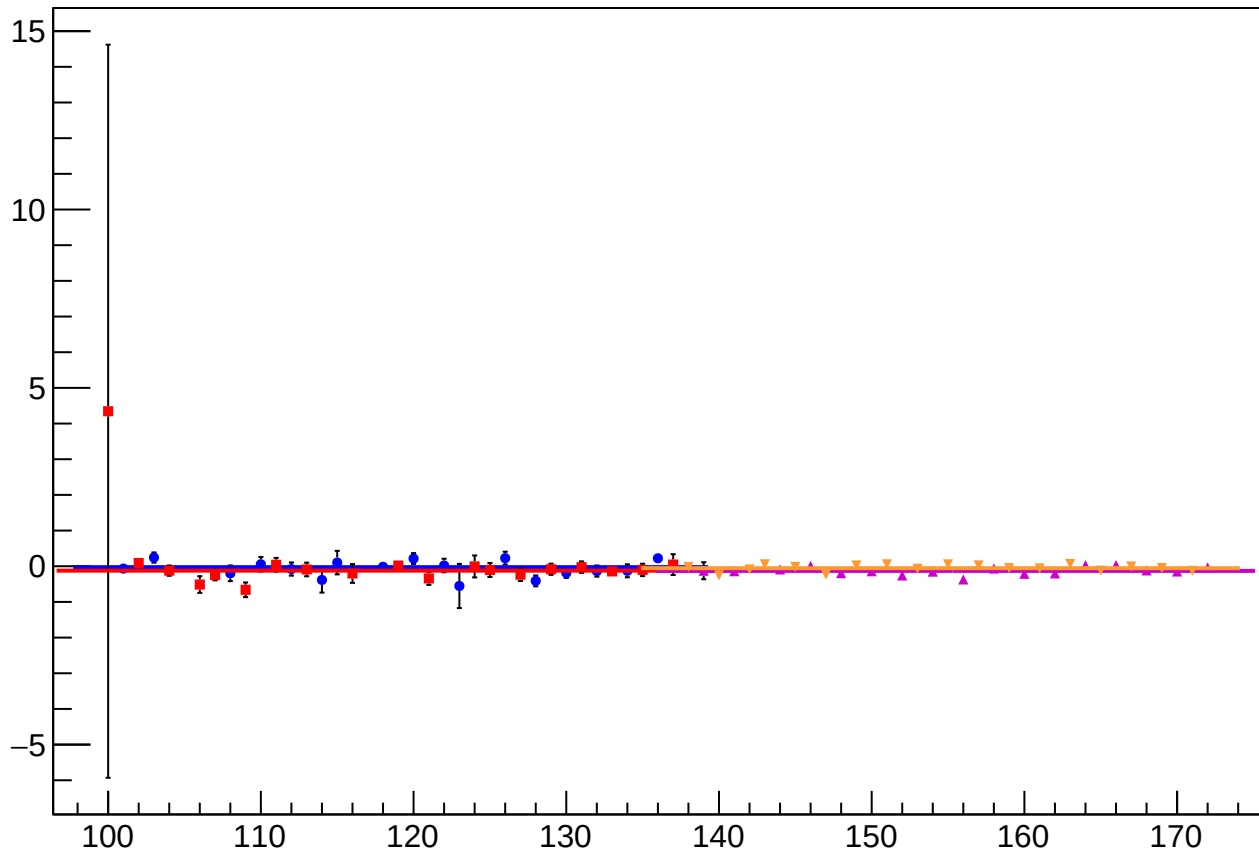
Left In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.6/16

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

All: -0.025 $\pm$ 0.025 χ^2 /NDF: 38.2/34

- 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: -0.054 ± 0.025 χ^2/NDF : 17.0/17

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

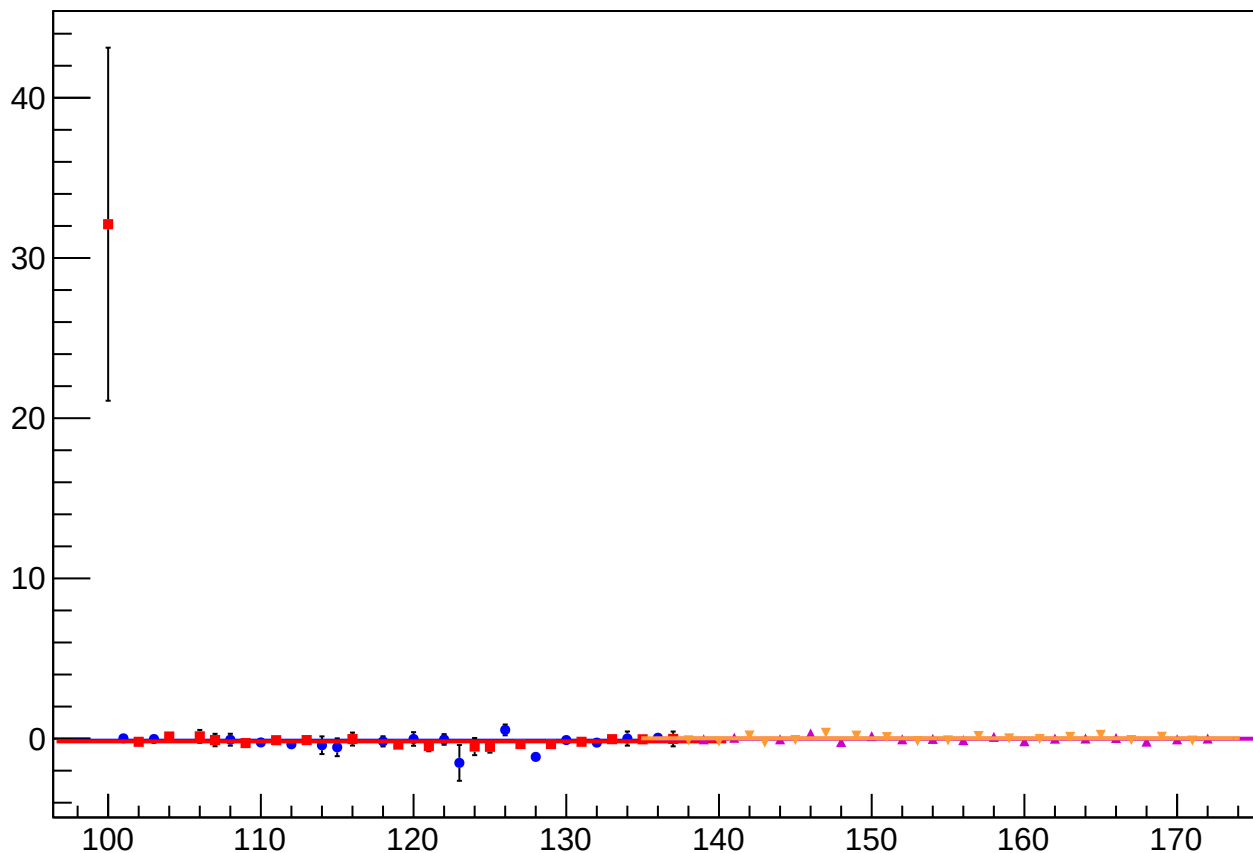
Left In: -0.130 ± 0.025 χ^2/NDF : 15.8/16

+ sign -0.045 ± 0.021 χ^2/NDF : 40.2/34

All: -0.085 ± 0.015 χ^2/NDF : 82.2/70

- sign -0.128 ± 0.021 χ^2/NDF : 34.2/35

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 $\pm$ 0.067 χ^2/NDF : 23.1/16

Left Out: 0.020 $\pm$ 0.034 χ^2/NDF : 22.4/17

Right Out: -0.172 $\pm$ 0.071 χ^2/NDF : 14.9/18

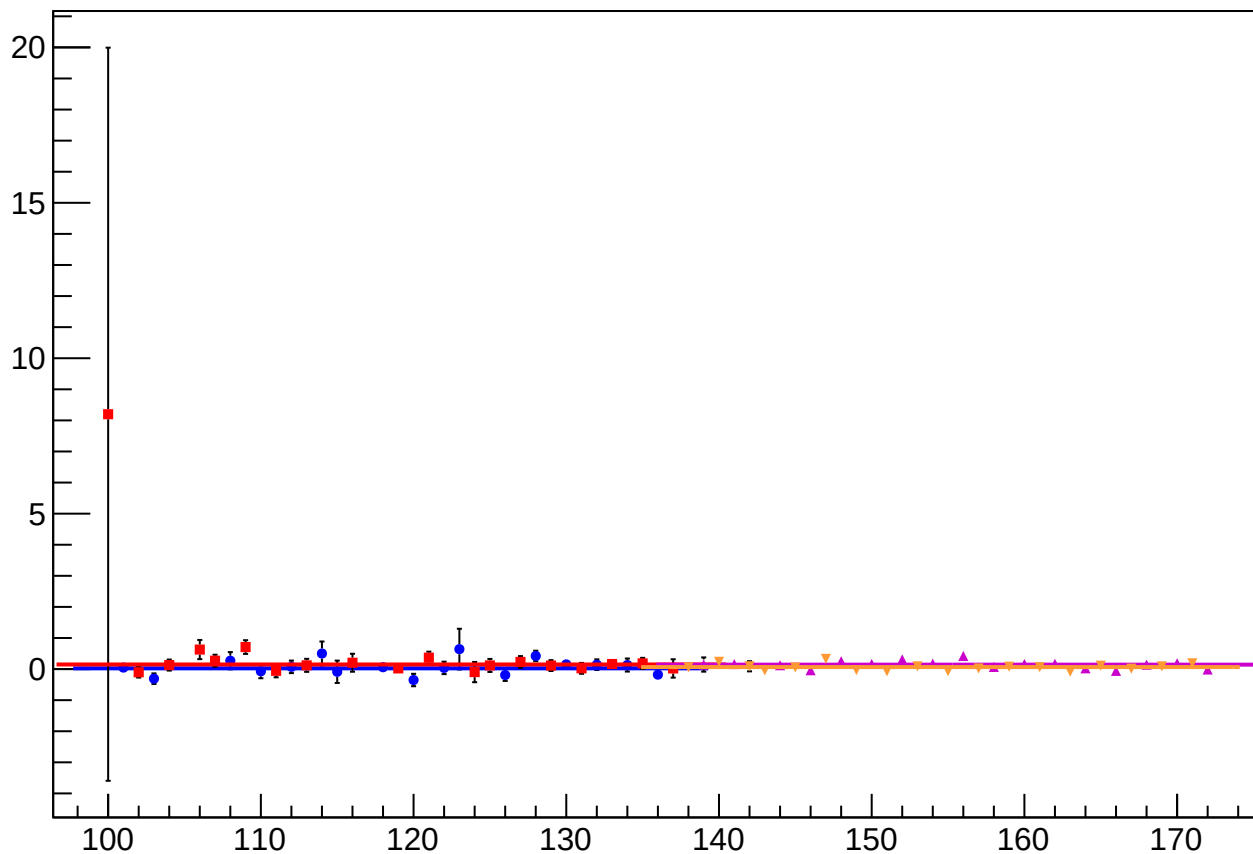
Left In: -0.006 $\pm$ 0.034 χ^2/NDF : 14.2/16

+ sign -0.011 $\pm$ 0.030 χ^2/NDF : 49.4/34

All: -0.024 $\pm$ 0.022 χ^2/NDF : 83.4/70

- sign -0.038 $\pm$ 0.031 χ^2/NDF : 33.6/35

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.064 ± 0.029 χ^2/NDF : 16.6/17

Right Out: 0.148 ± 0.045 χ^2/NDF : 16.6/18

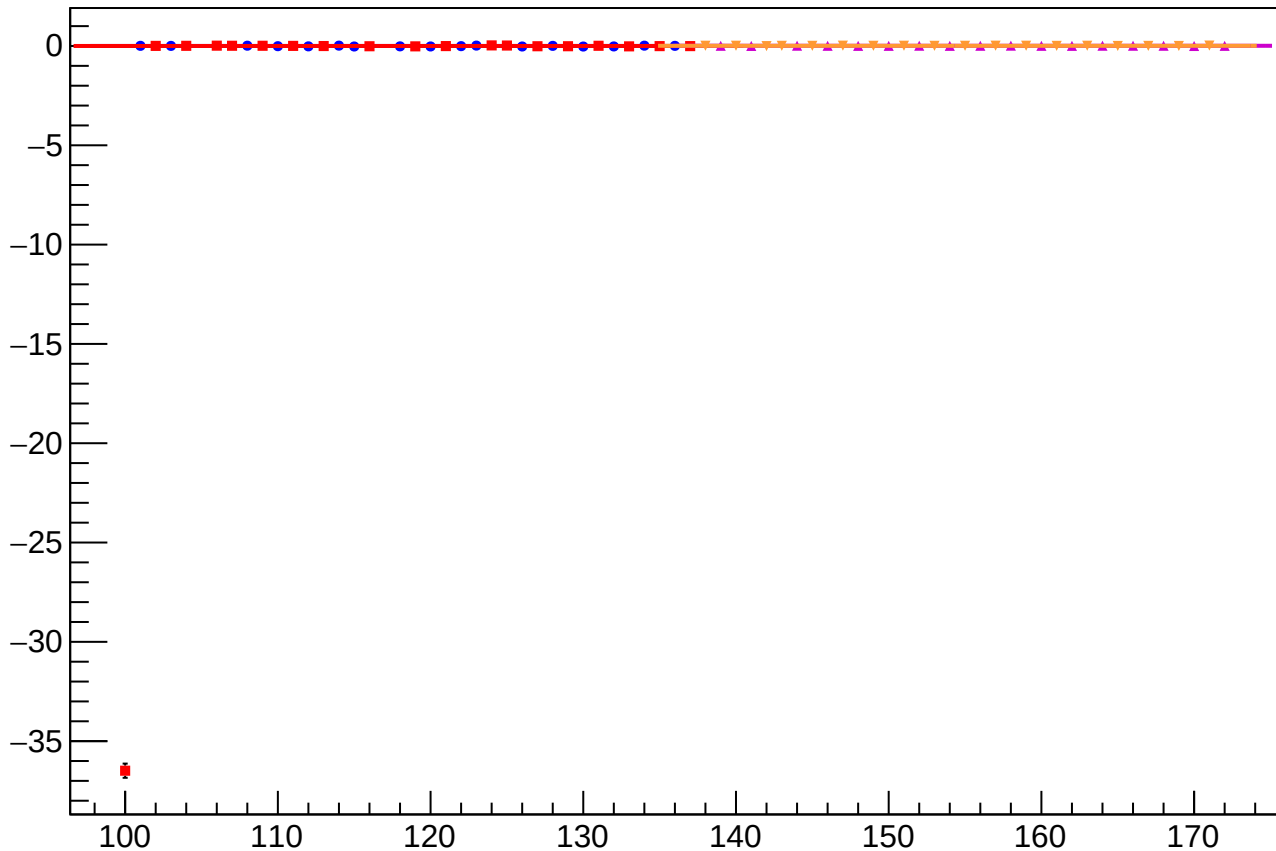
Left In: 0.142 ± 0.029 χ^2/NDF : 16.4/16

+ sign 0.051 ± 0.024 χ^2/NDF : 38.6/34

All: 0.096 ± 0.017 χ^2/NDF : 78.9/70

- sign 0.144 ± 0.025 χ^2/NDF : 33.0/35

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 30.6/16

Left Out: 0.010+/-0.001 χ^2/NDF : 16.9/17

Right Out: 0.001+/-0.002 χ^2/NDF : 10449.1/18

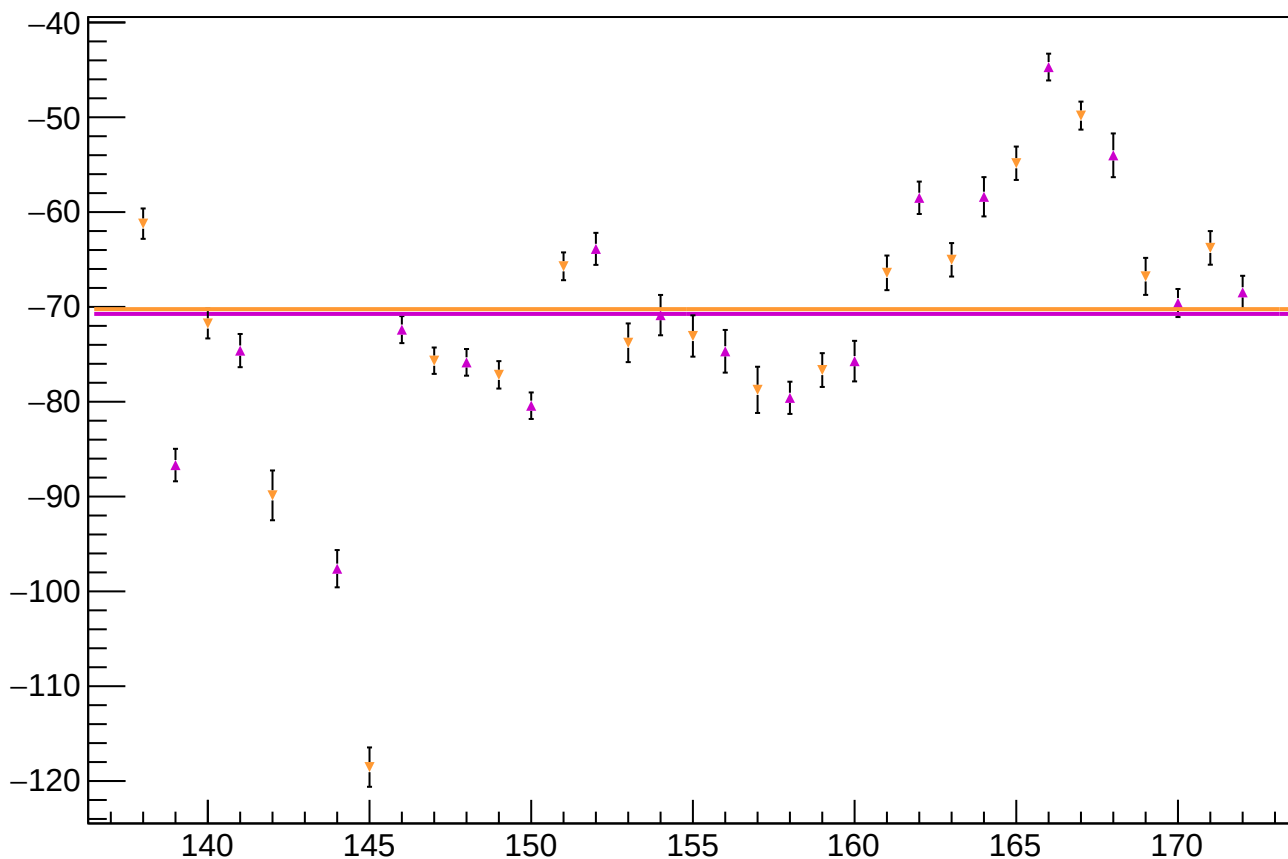
Left In: 0.010+/-0.001 χ^2/NDF : 9.7/16

+ sign 0.008+/-0.001 χ^2/NDF : 58.2/34

All: 0.008+/-0.001 χ^2/NDF : 10529.6/70

- sign 0.008+/-0.001 χ^2/NDF : 10471.4/35

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -70.232 $\pm$ 0.425 χ^2 /NDF:1004.5/16

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

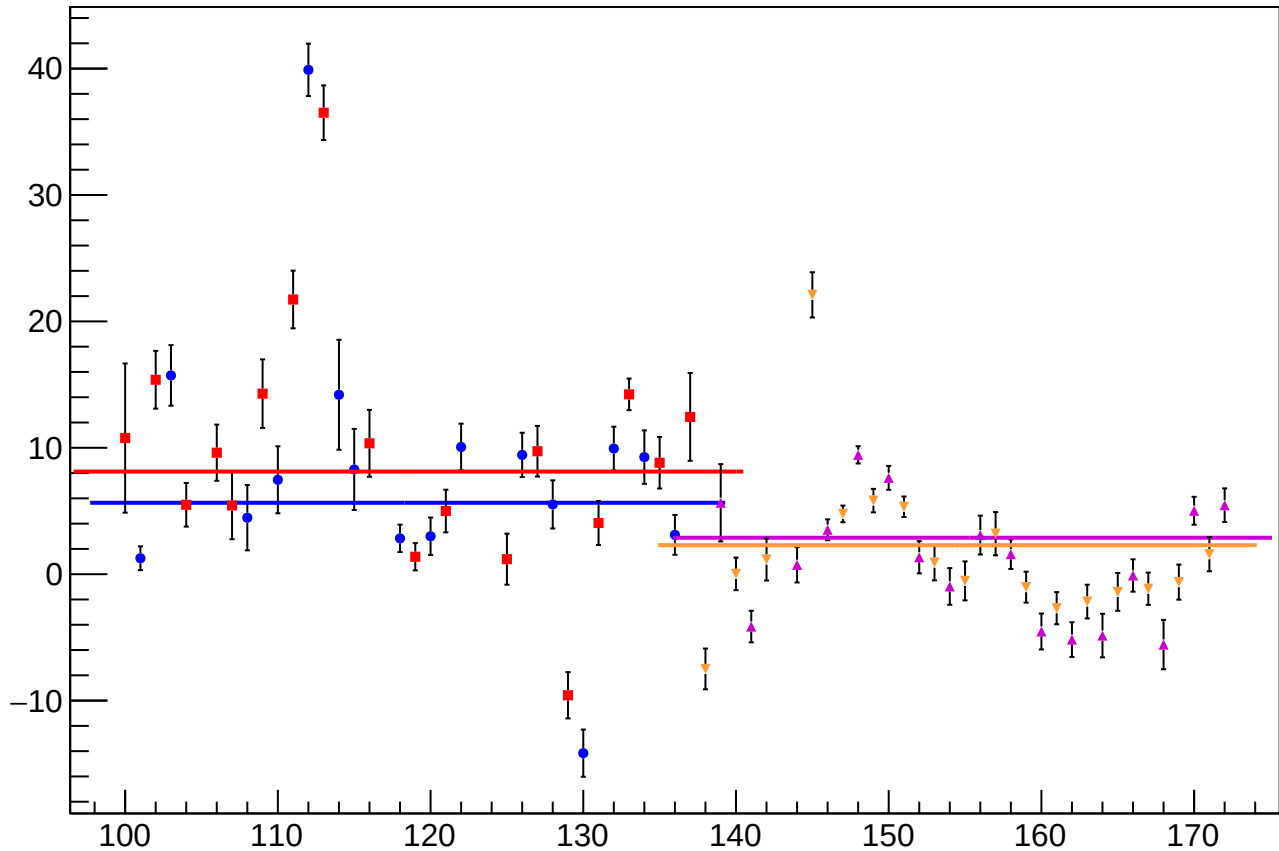
Left In: -70.739 $\pm$ 0.414 χ^2 /NDF:874.4/16

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

All: -70.492 $\pm$ 0.297 χ^2 /NDF: 1879.6/33

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

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 2.297 ± 0.290 χ^2/NDF : 262.3/16

Right Out: 8.119 ± 0.453 χ^2/NDF : 407.9/17

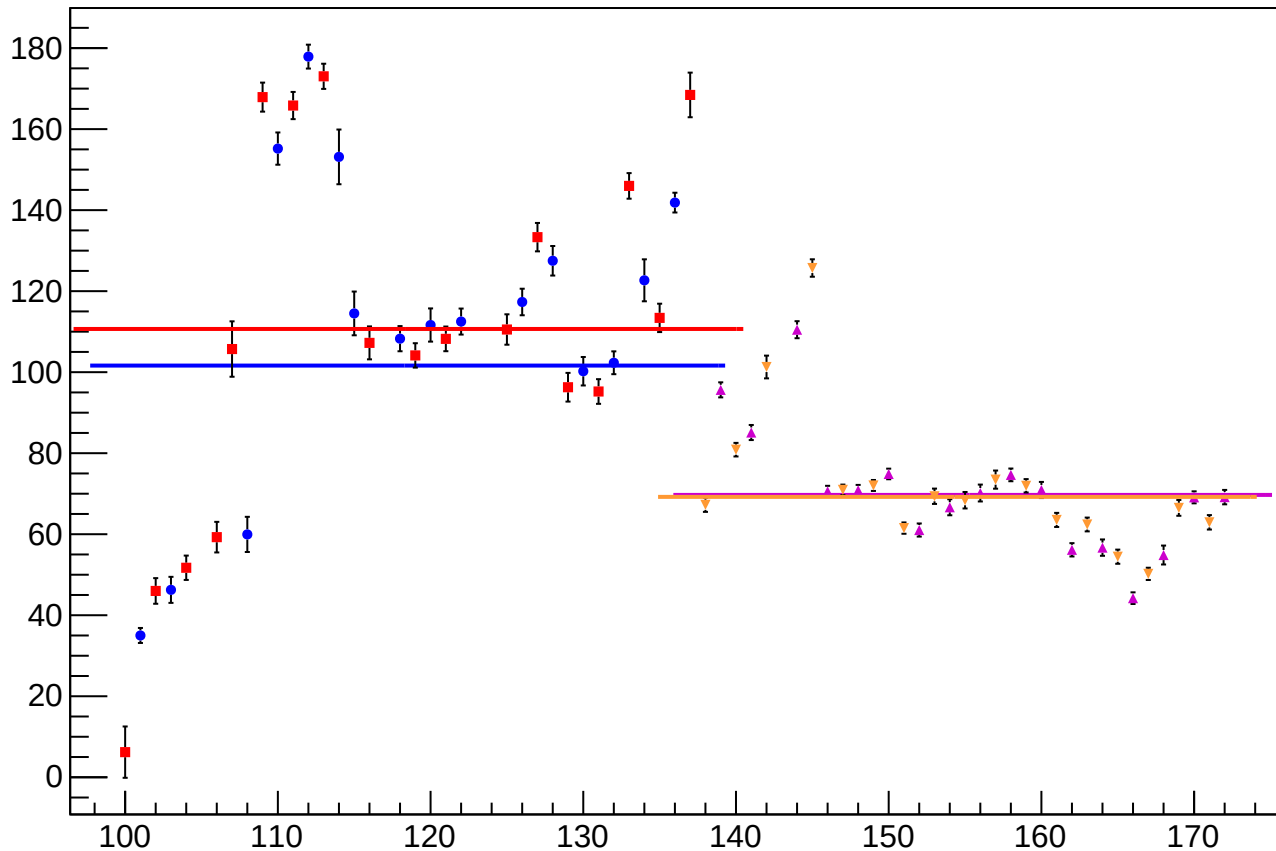
Left In: 2.883 ± 0.290 χ^2/NDF : 276.4/16

+ sign 3.349 ± 0.240 χ^2/NDF : 766.2/32

All: 3.870 ± 0.171 χ^2/NDF : 1554.9/67

- sign 4.409 ± 0.244 χ^2/NDF : 779.1/34

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 +/- 0.812 χ^2/NDF : 2980.2/15

Left Out: 69.217 +/- 0.416 χ^2/NDF : 1180.8/16

Right Out: 110.669 +/- 0.836 χ^2/NDF : 2514.0/17

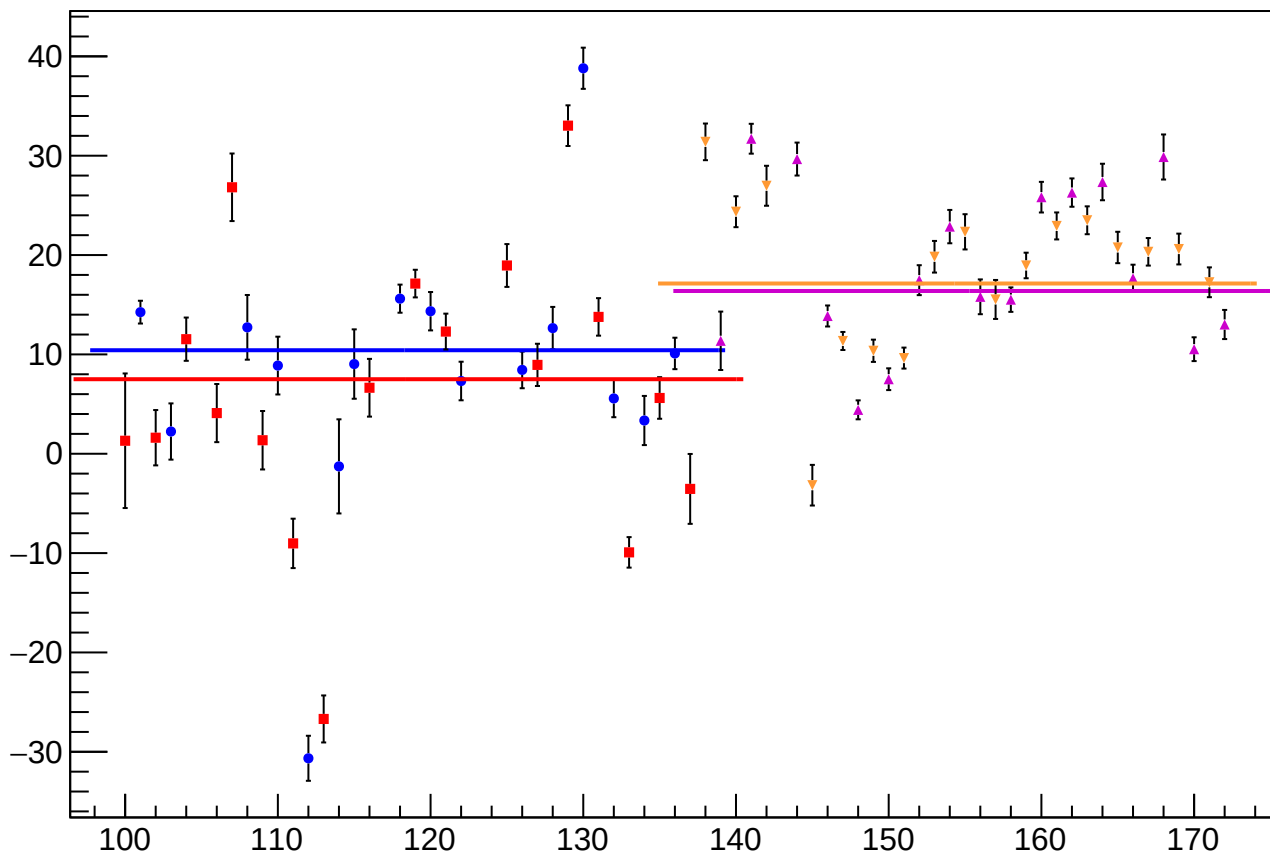
Left In: 69.702 +/- 0.405 χ^2/NDF : 1162.2/16

+ sign 75.951 +/- 0.370 χ^2/NDF : 5423.2/32

All: 76.736 +/- 0.260 χ^2/NDF : 11052.2/67

- sign 77.498 +/- 0.365 χ^2/NDF : 5620.1/34

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 17.136 $\pm$ 0.343 χ^2 /NDF: 399.7/16

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

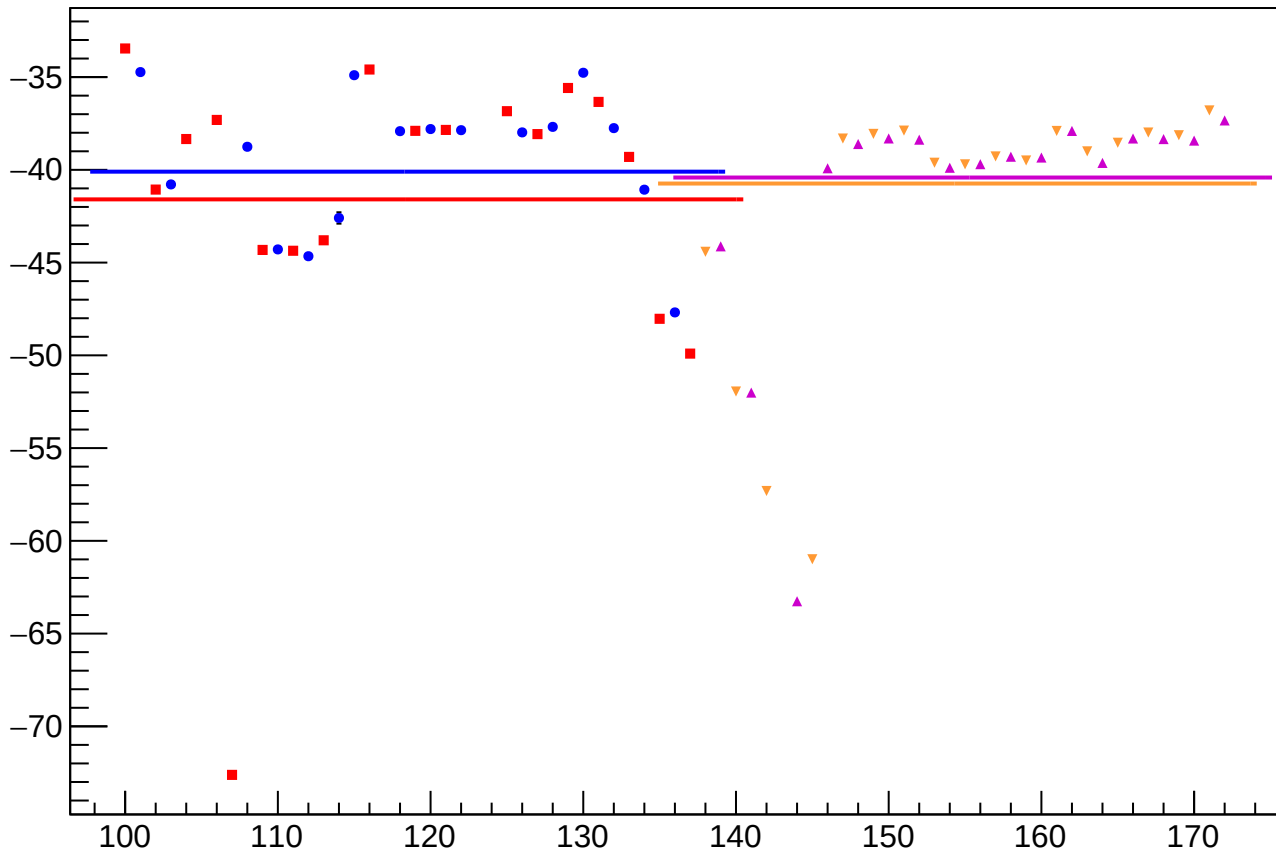
Left In: 16.382 $\pm$ 0.340 χ^2 /NDF: 602.7/16

+ sign 14.972 $\pm$ 0.282 χ^2 /NDF: 1103.0/32

All: 14.363 $\pm$ 0.201 χ^2 /NDF: 2607.0/67

- sign 13.741 $\pm$ 0.285 χ^2 /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: -40.738 ± 0.016 χ^2/NDF : 121969.1/16

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

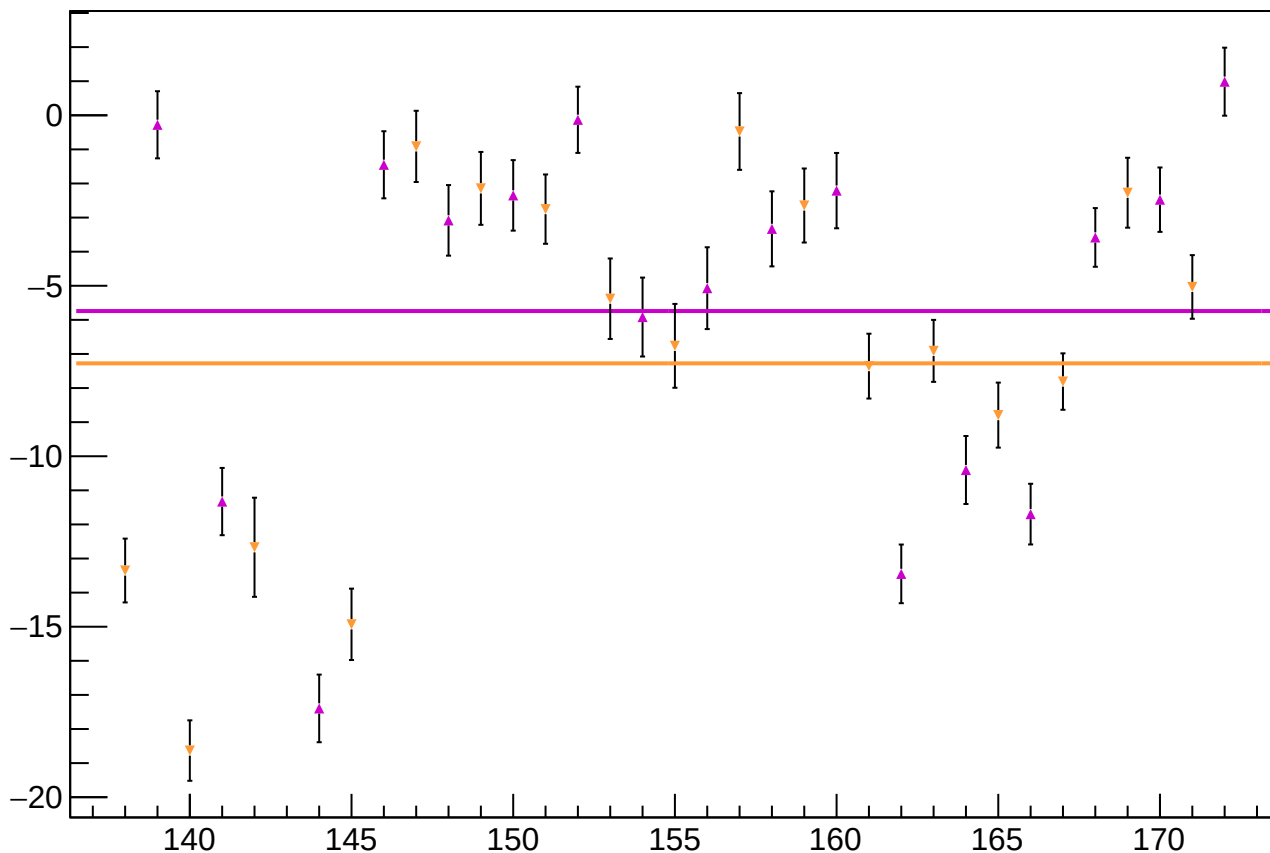
Left In: -40.414 ± 0.016 χ^2/NDF : 99562.3/16

+ sign -40.576 ± 0.014 χ^2/NDF : 147424.1/32

All: -40.637 ± 0.010 χ^2/NDF : 309992.3/67

- 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: -7.275 $\pm$ 0.246 χ^2 /NDF:443.6/16

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

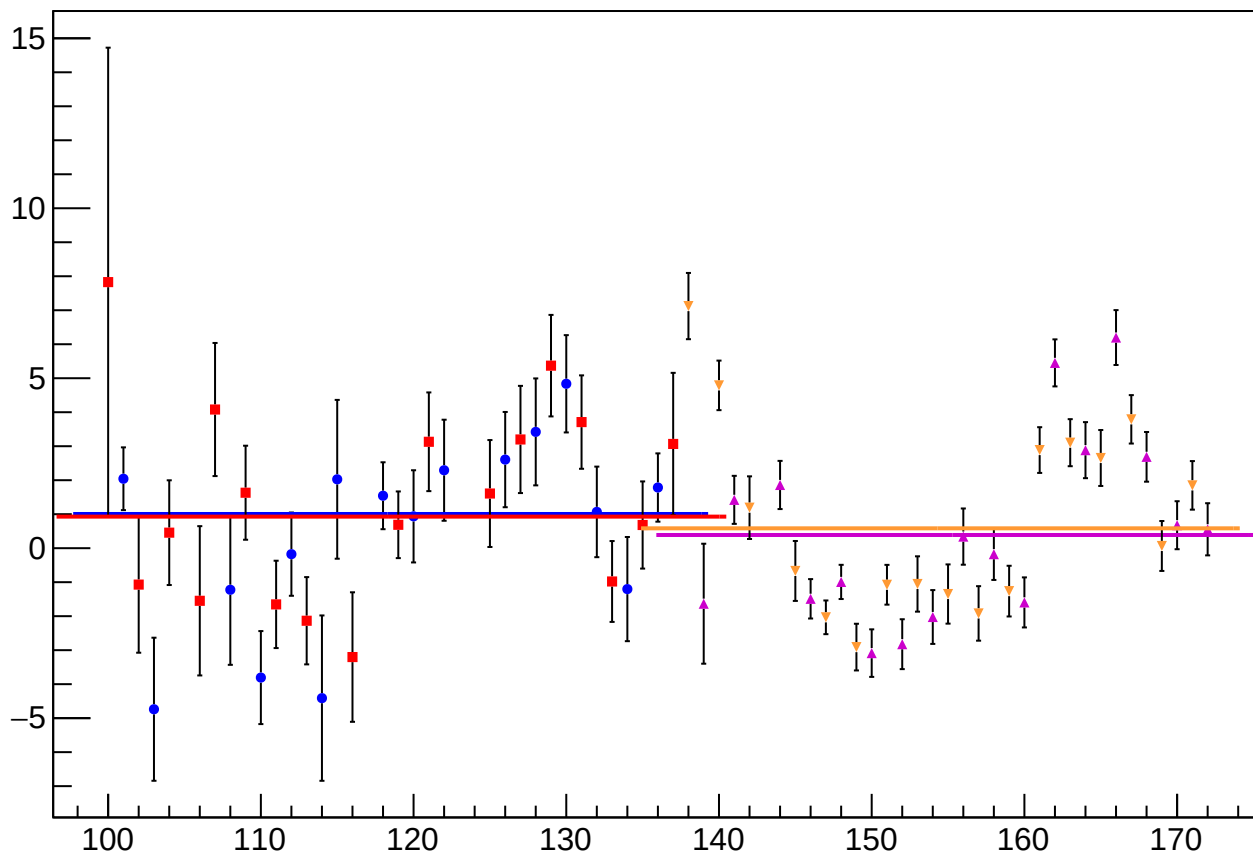
Left In: -5.741 $\pm$ 0.241 χ^2 /NDF:496.7/16

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

All: -6.493 $\pm$ 0.172 χ^2 /NDF: 960.1/33

- 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: 0.584 ± 0.176 χ^2/NDF : 222.6/16

Right Out: 0.929 ± 0.353 χ^2/NDF : 41.9/17

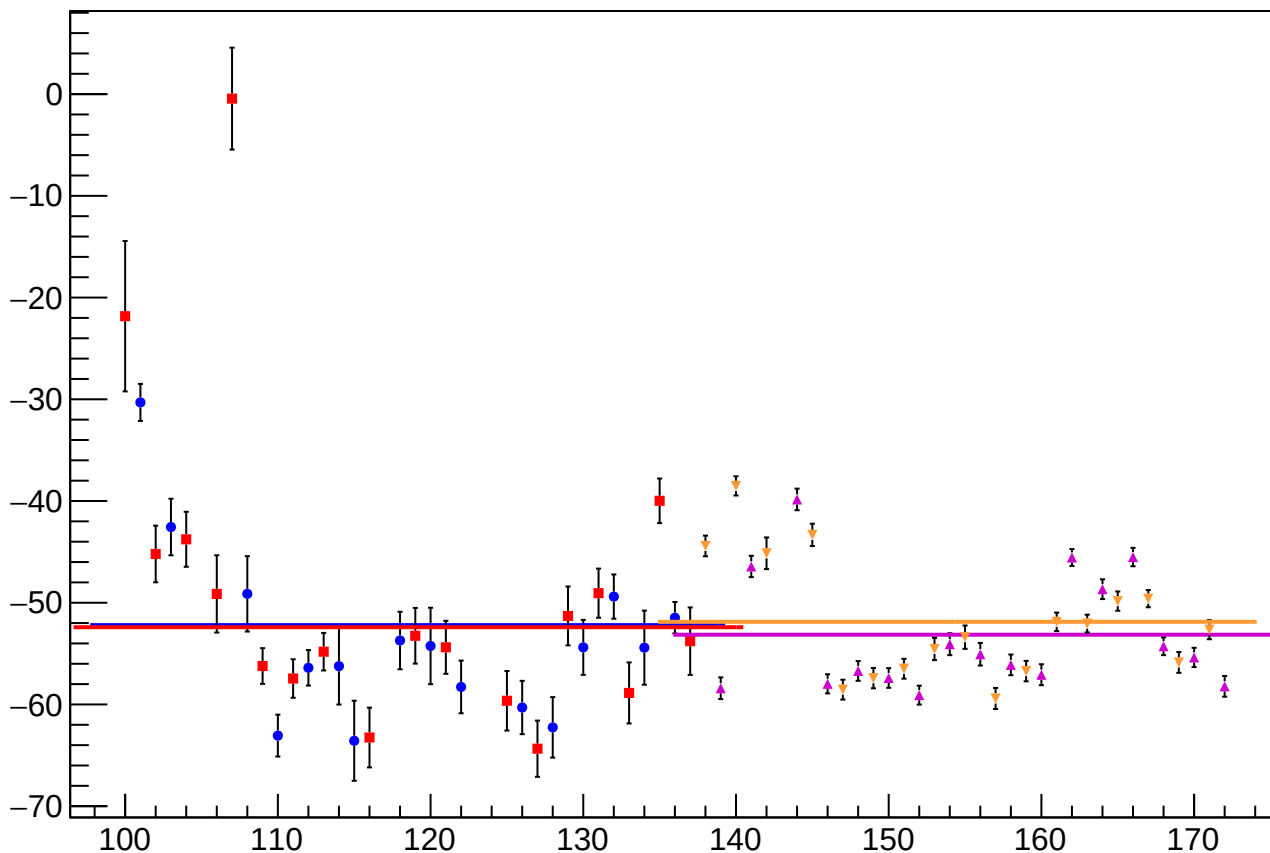
Left In: 0.388 ± 0.176 χ^2/NDF : 211.4/16

+ sign 0.673 ± 0.157 χ^2/NDF : 266.6/32

All: 0.585 ± 0.111 χ^2/NDF : 522.3/67

- 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: -51.873 ± 0.242 χ^2/NDF : 544.9/16

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

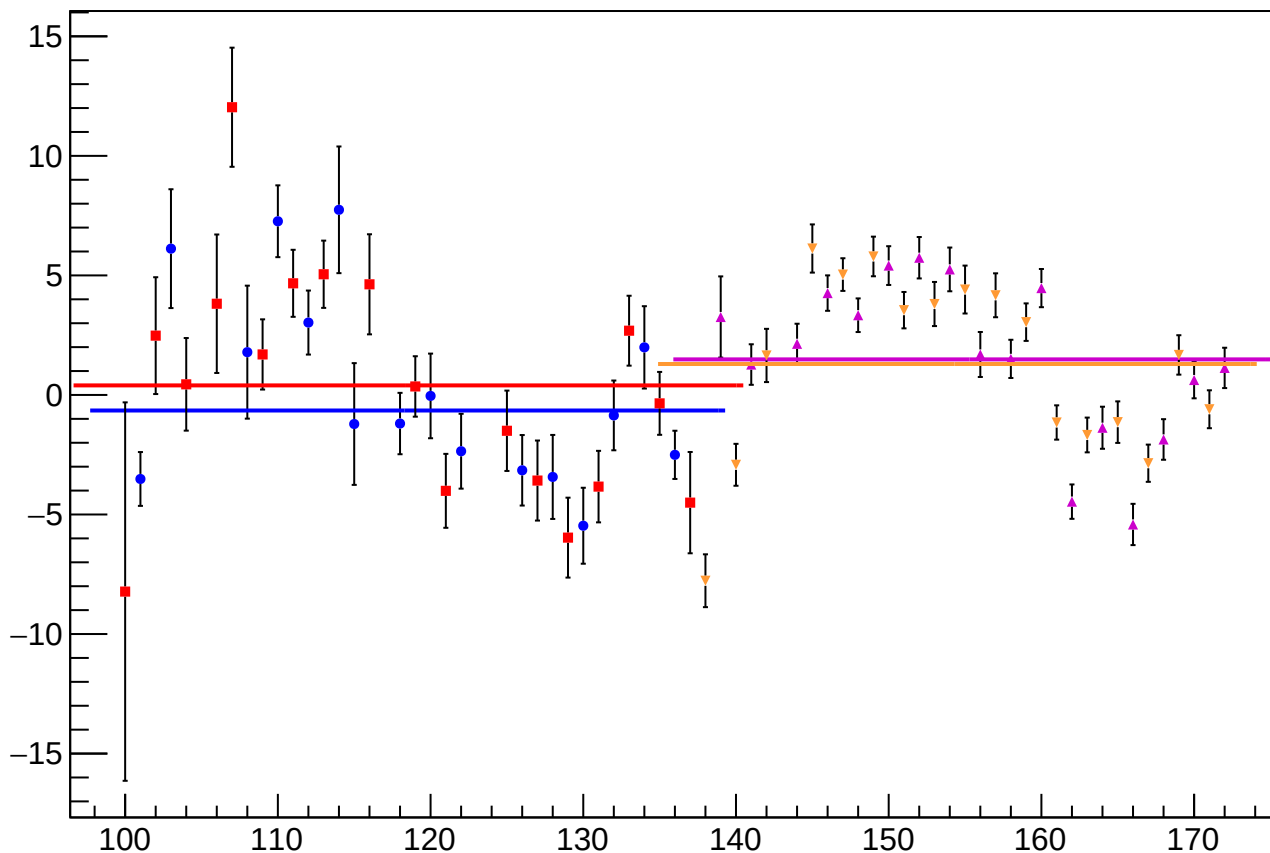
Left In: -53.146 ± 0.237 χ^2/NDF : 557.5/16

+ sign -51.917 ± 0.225 χ^2/NDF : 775.7/32

All: -52.494 ± 0.158 χ^2/NDF : 1581.3/67

- 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: 1.294 ± 0.204 χ^2/NDF : 284.0/16

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

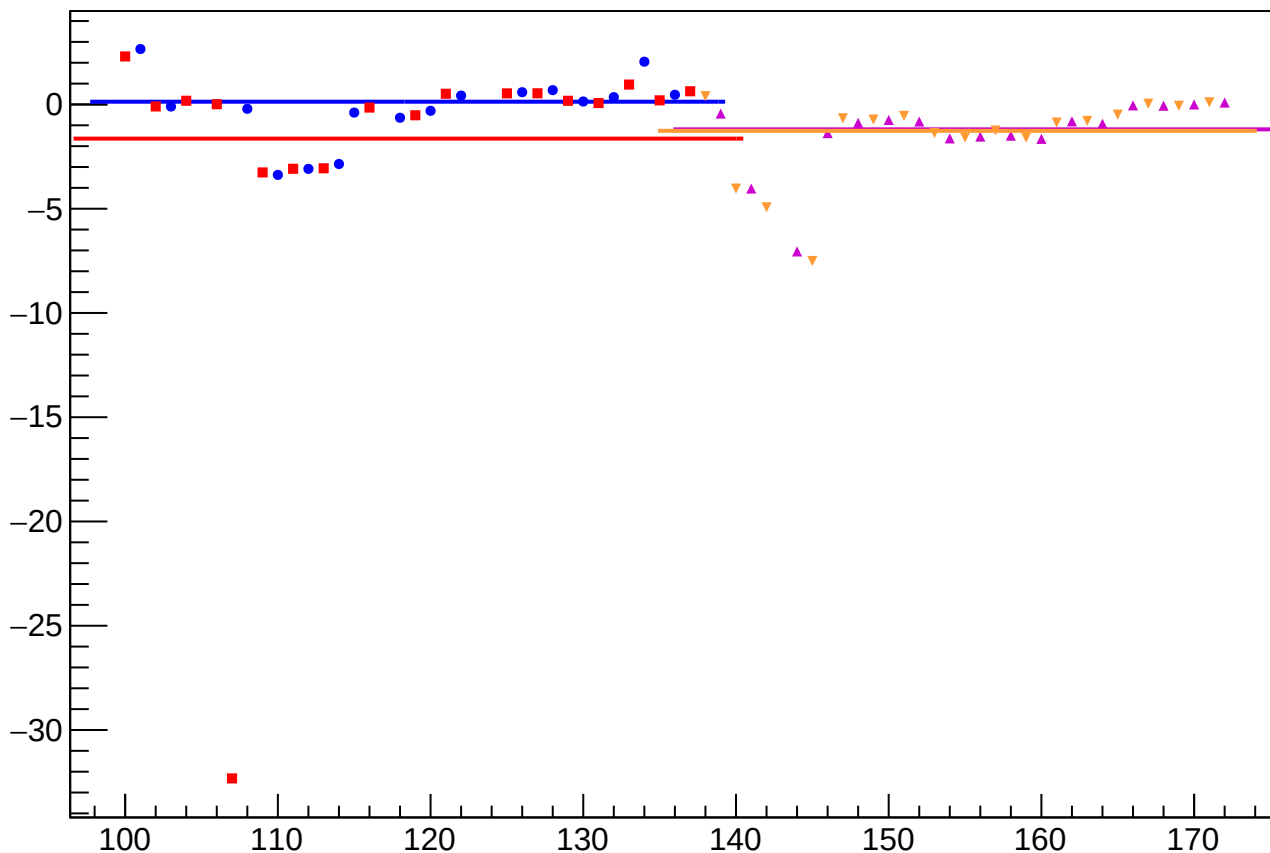
Left In: 1.488 ± 0.203 χ^2/NDF : 261.1/16

+ sign 0.872 ± 0.180 χ^2/NDF : 385.7/32

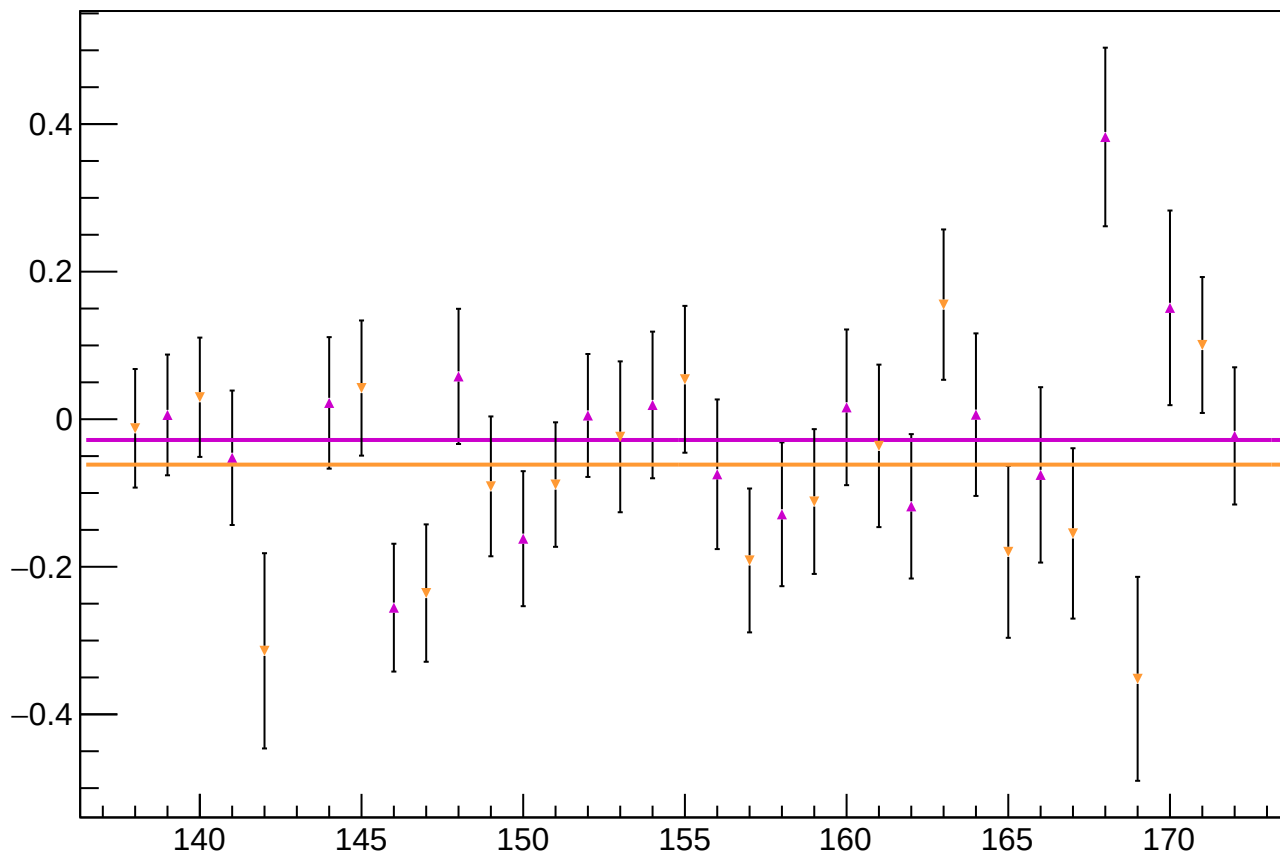
All: 1.068 ± 0.128 χ^2/NDF : 751.0/67

- sign 1.265 ± 0.181 χ^2/NDF : 362.9/34

reg_asym_us_dd_diff_bpm12X_slope vs Slug



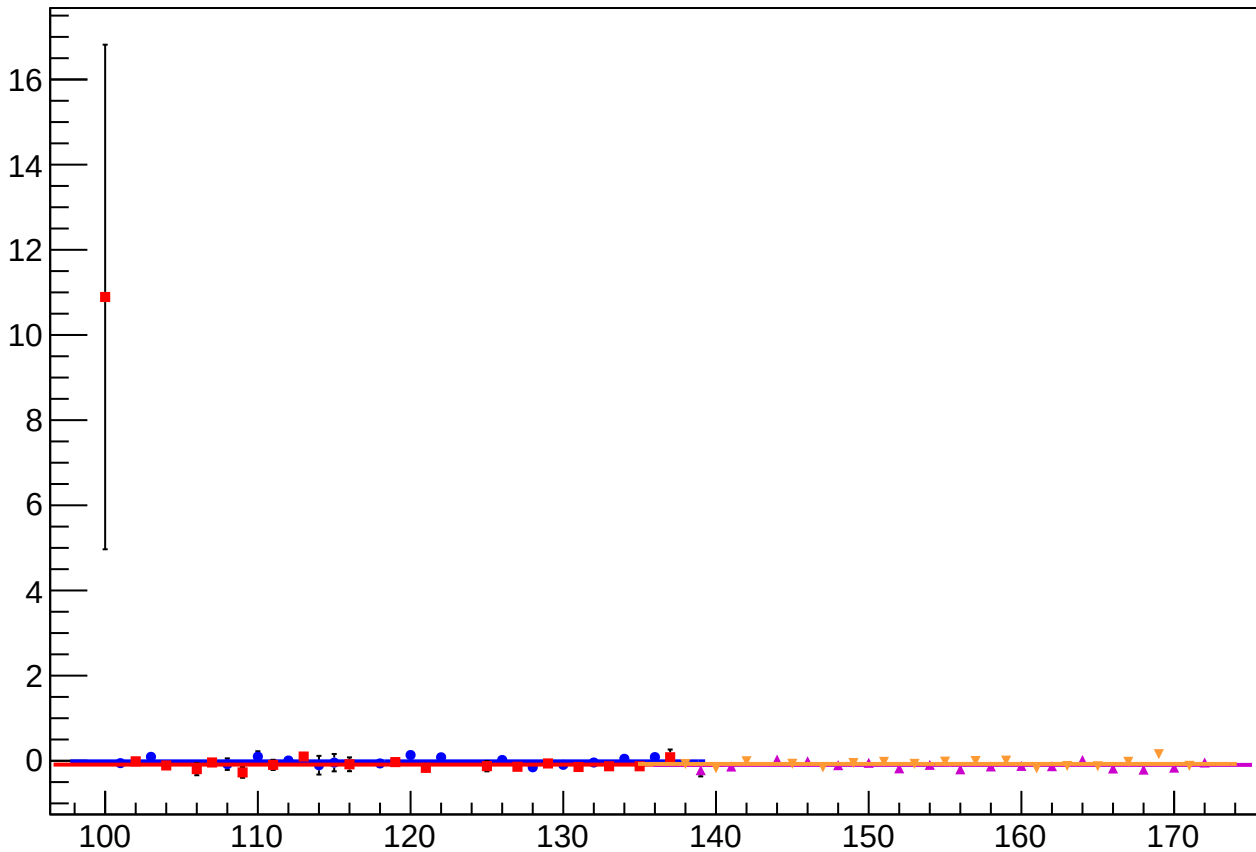
reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.062 $\pm$ 0.024 χ^2 /NDF: 27.6/16
 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: -0.045 $\pm$ 0.017 χ^2 /NDF: 55.3/33
 - 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: -0.074 ± 0.017 χ^2/NDF : 18.8/16

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

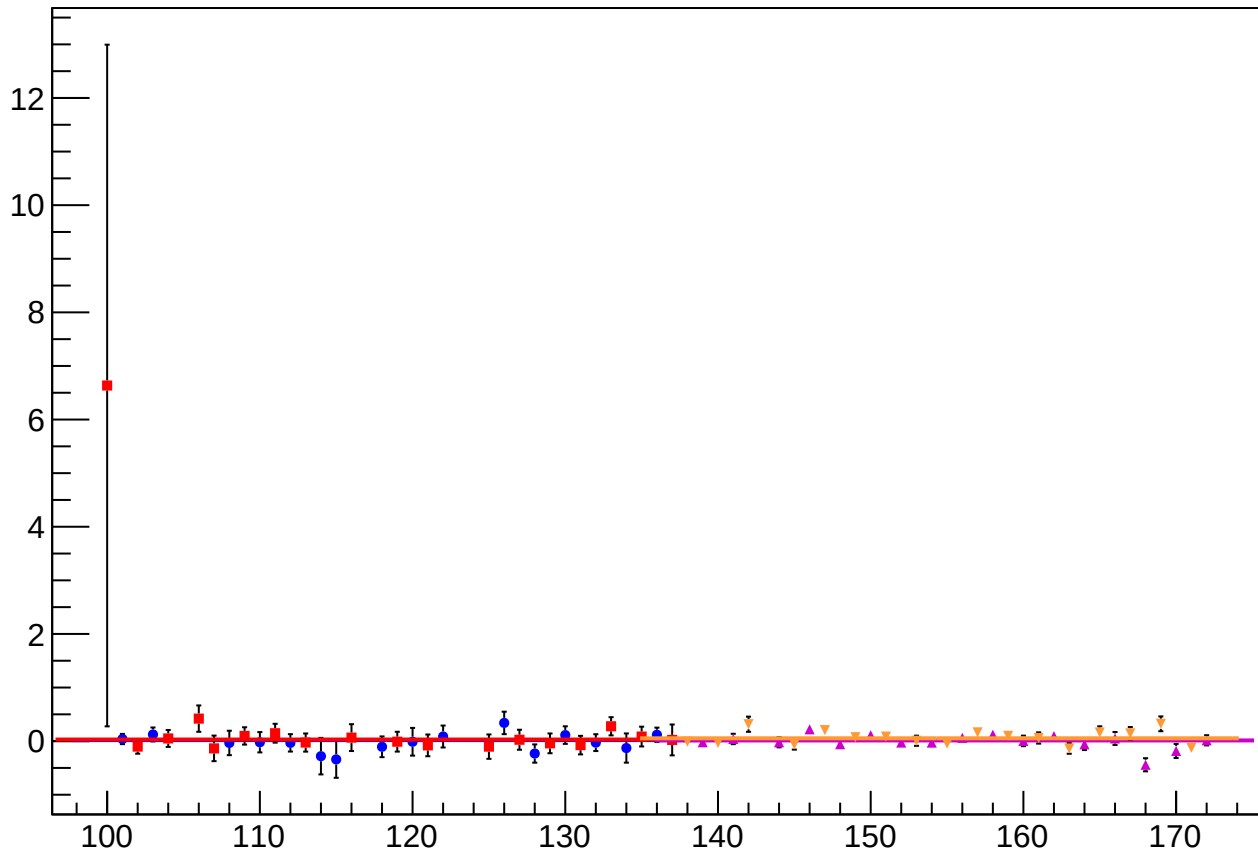
Left In: -0.096 ± 0.017 χ^2/NDF : 17.0/16

+ sign -0.053 ± 0.014 χ^2/NDF : 34.8/32

All: -0.073 ± 0.010 χ^2/NDF : 69.1/67

- sign -0.094 ± 0.014 χ^2/NDF : 30.0/34

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 ± 0.043 χ^2/NDF : 9.1/15

Left Out: 0.053 ± 0.023 χ^2/NDF : 25.5/16

Right Out: 0.030 ± 0.045 χ^2/NDF : 9.2/17

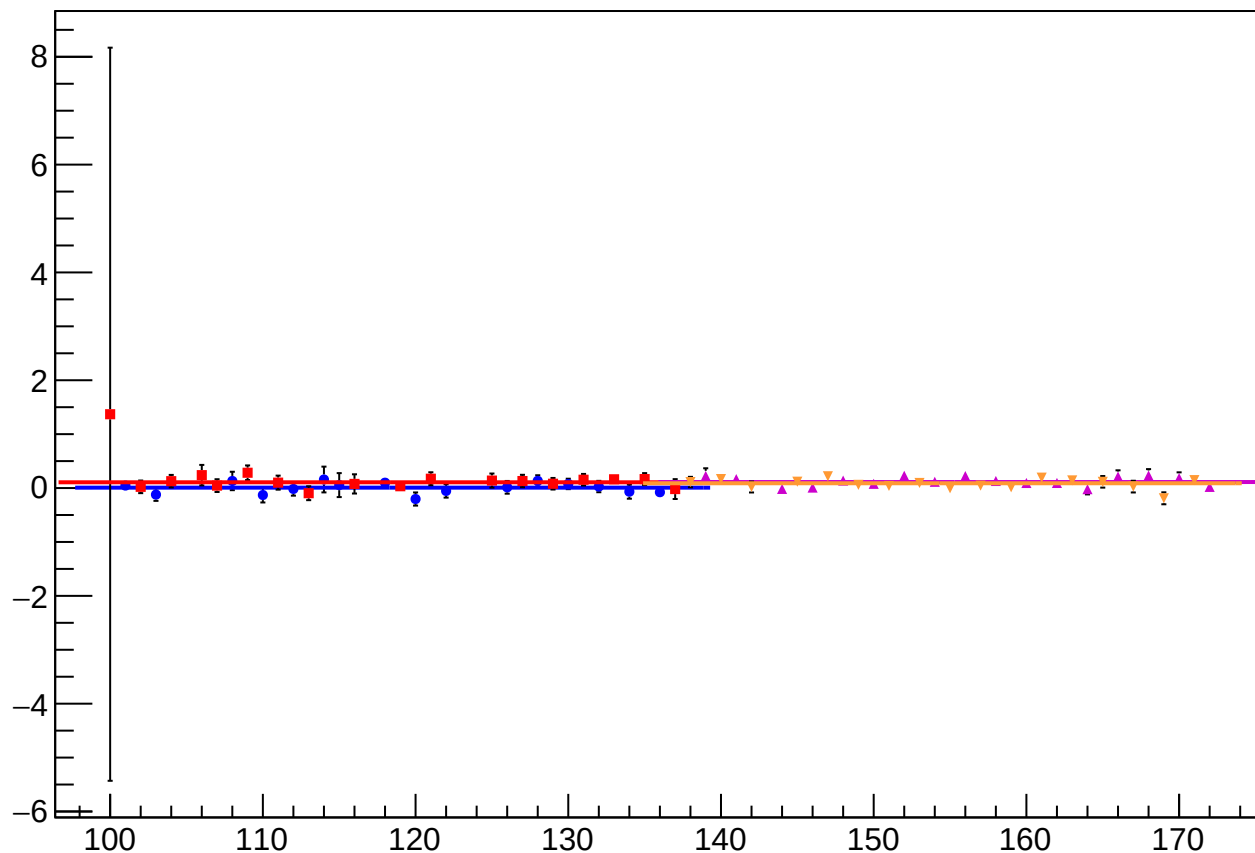
Left In: 0.013 ± 0.023 χ^2/NDF : 27.9/16

+ sign 0.045 ± 0.021 χ^2/NDF : 35.0/32

All: 0.031 ± 0.015 χ^2/NDF : 73.3/67

- sign 0.017 ± 0.021 χ^2/NDF : 37.3/34

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.089 ± 0.020 χ^2/NDF : 18.8/16

Right Out: 0.107 ± 0.029 χ^2/NDF : 8.2/17

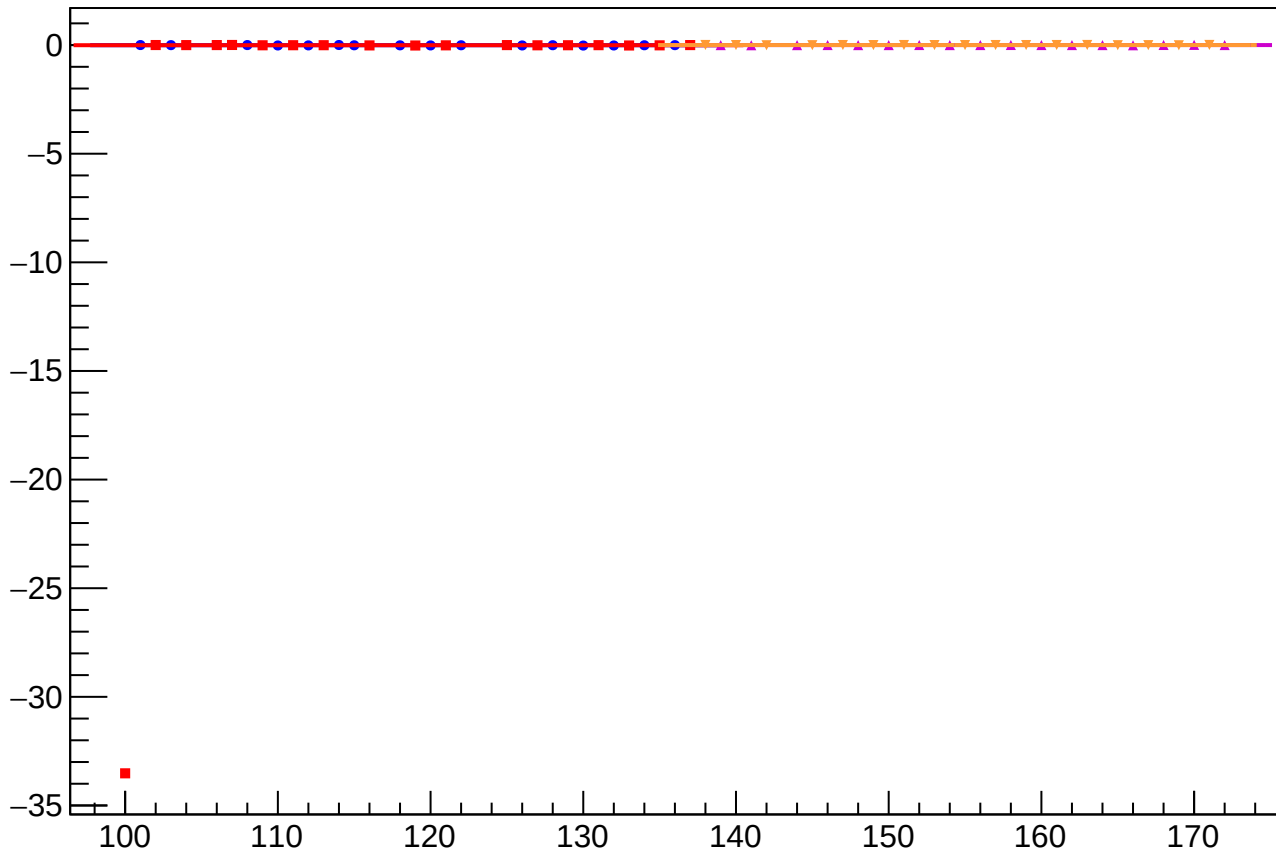
Left In: 0.112 ± 0.020 χ^2/NDF : 16.8/16

+ sign 0.061 ± 0.016 χ^2/NDF : 36.0/32

All: 0.085 ± 0.011 χ^2/NDF : 65.8/67

- sign 0.110 ± 0.016 χ^2/NDF : 25.0/34

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 17.4/16

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.7/17

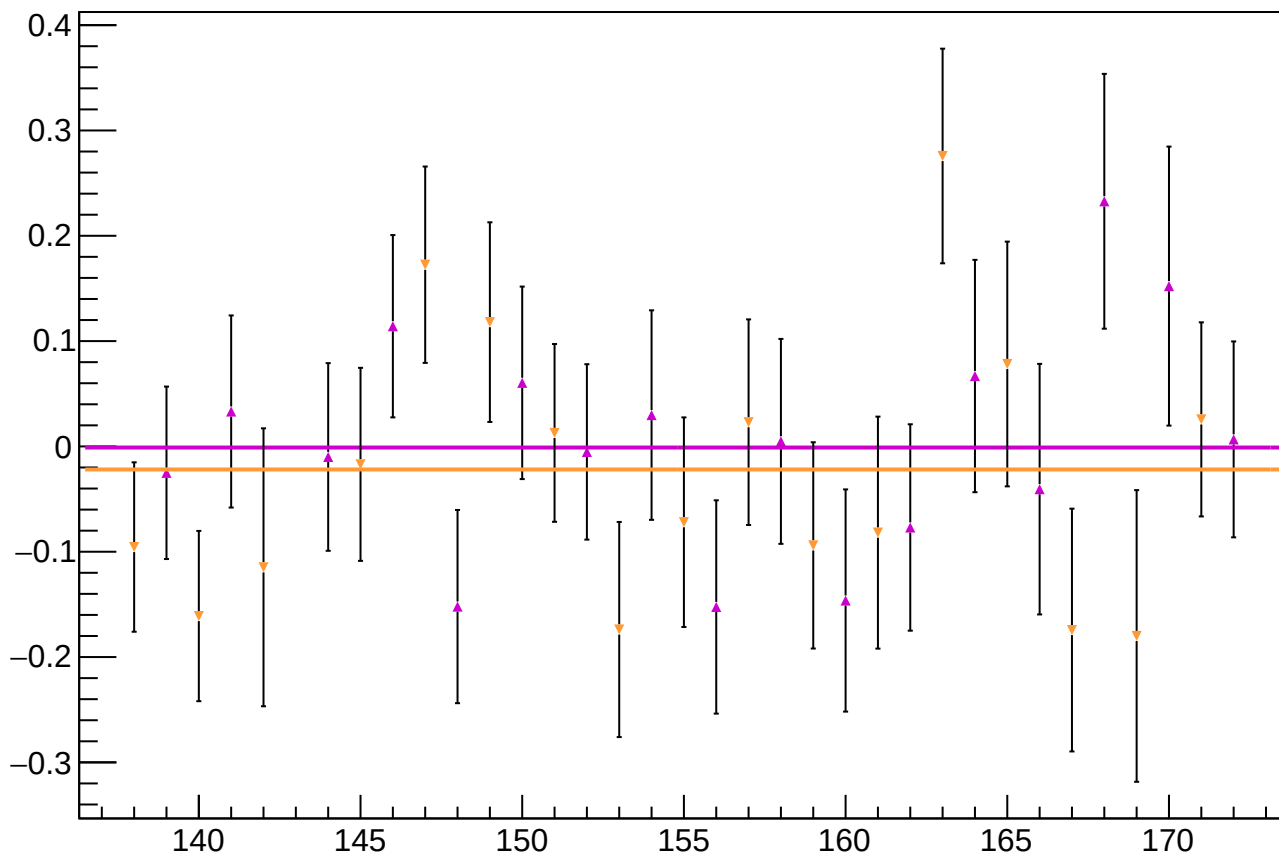
Left In: 0.000 ± 0.001 χ^2/NDF : 15.0/16

+ sign -0.001 ± 0.001 χ^2/NDF : 53.5/32

All: -0.001 ± 0.001 χ^2/NDF : 26591.3/67

- sign -0.001 ± 0.001 χ^2/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: -0.022 $\pm$ 0.024 χ^2 /NDF:27.1/16

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

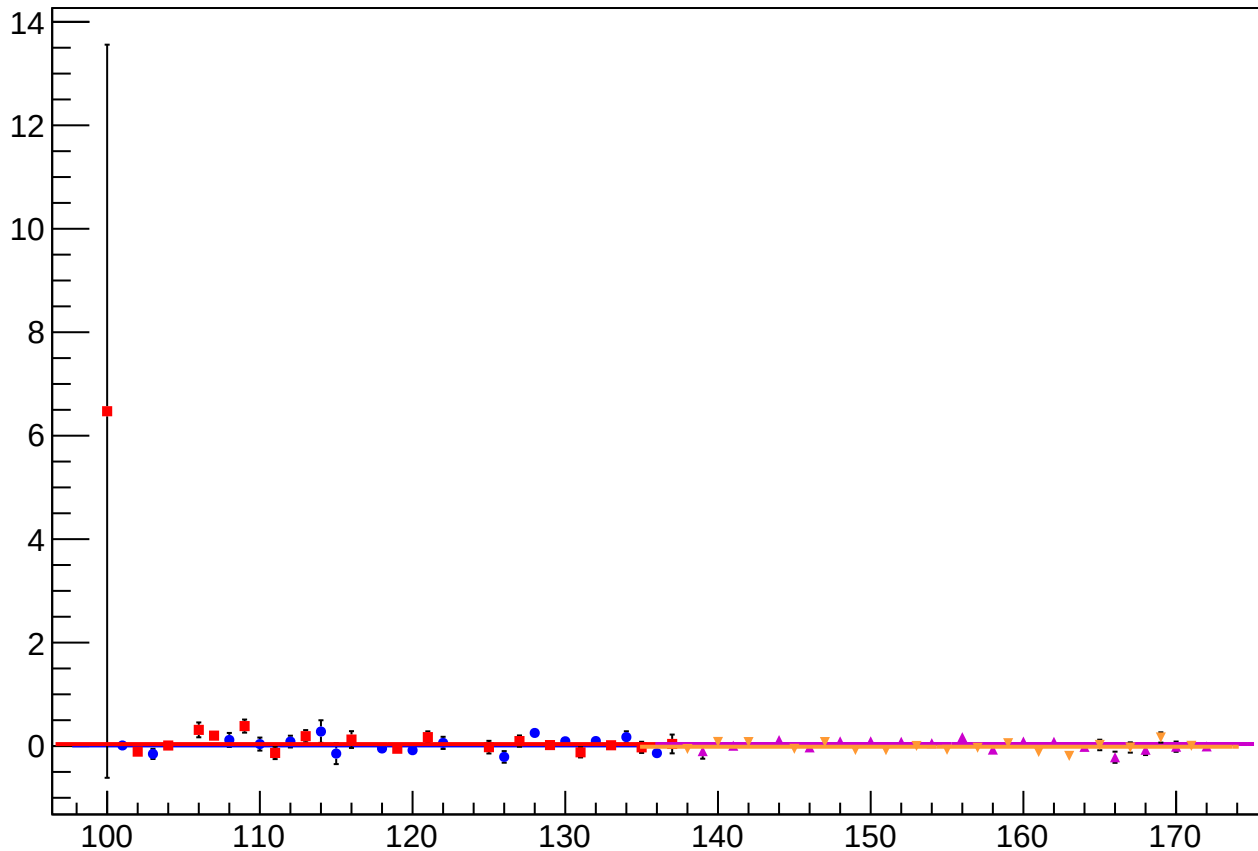
Left In: -0.001 $\pm$ 0.024 χ^2 /NDF:15.6/16

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

All: -0.011 $\pm$ 0.017 χ^2 /NDF: 43.1/33

- 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: -0.013 ± 0.017 χ^2/NDF : 23.0/16

Right Out: 0.038 ± 0.025 χ^2/NDF : 28.4/17

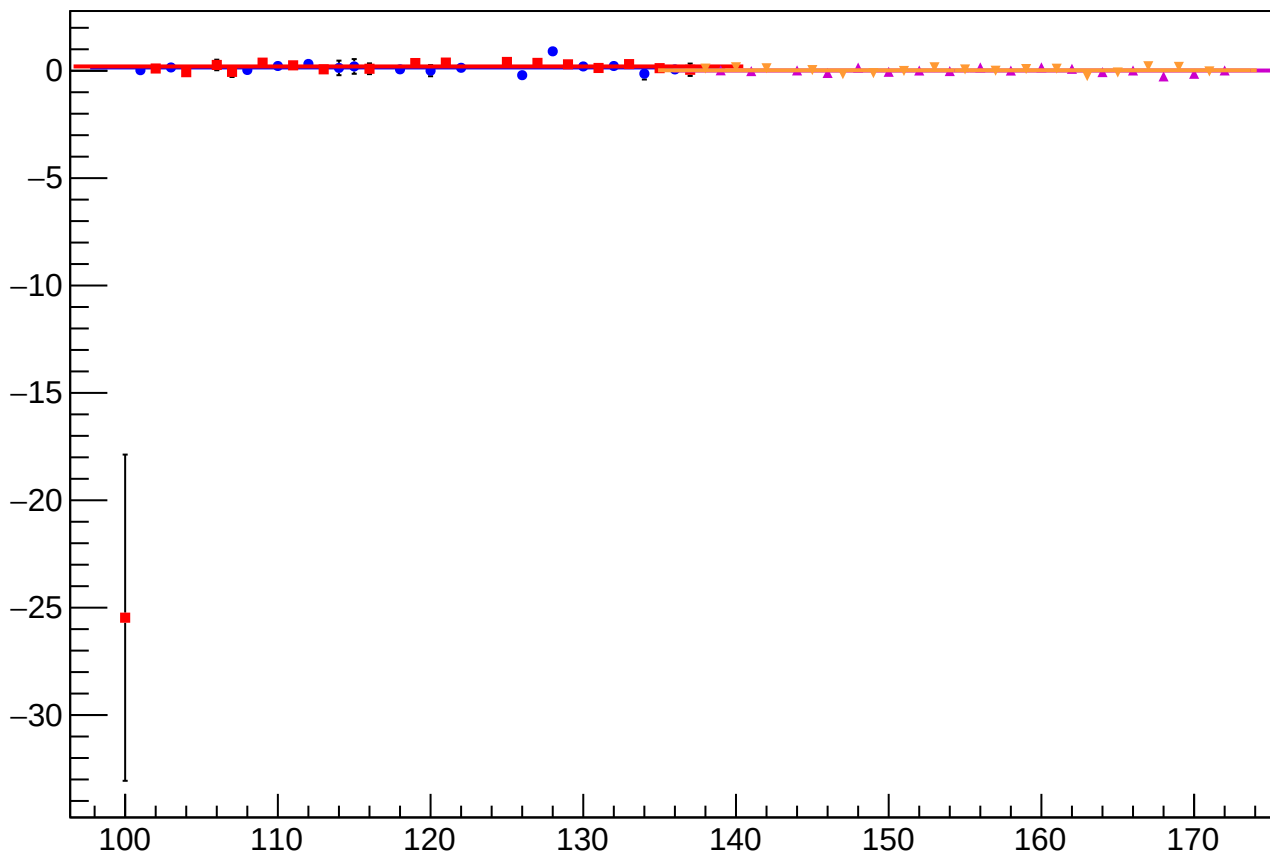
Left In: 0.040 ± 0.017 χ^2/NDF : 21.5/16

+ sign -0.004 ± 0.014 χ^2/NDF : 48.8/32

All: 0.017 ± 0.010 χ^2/NDF : 103.7/67

- 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: 0.022 ± 0.023 χ^2/NDF : 26.6/16

Right Out: 0.201 ± 0.045 χ^2/NDF : 22.6/17

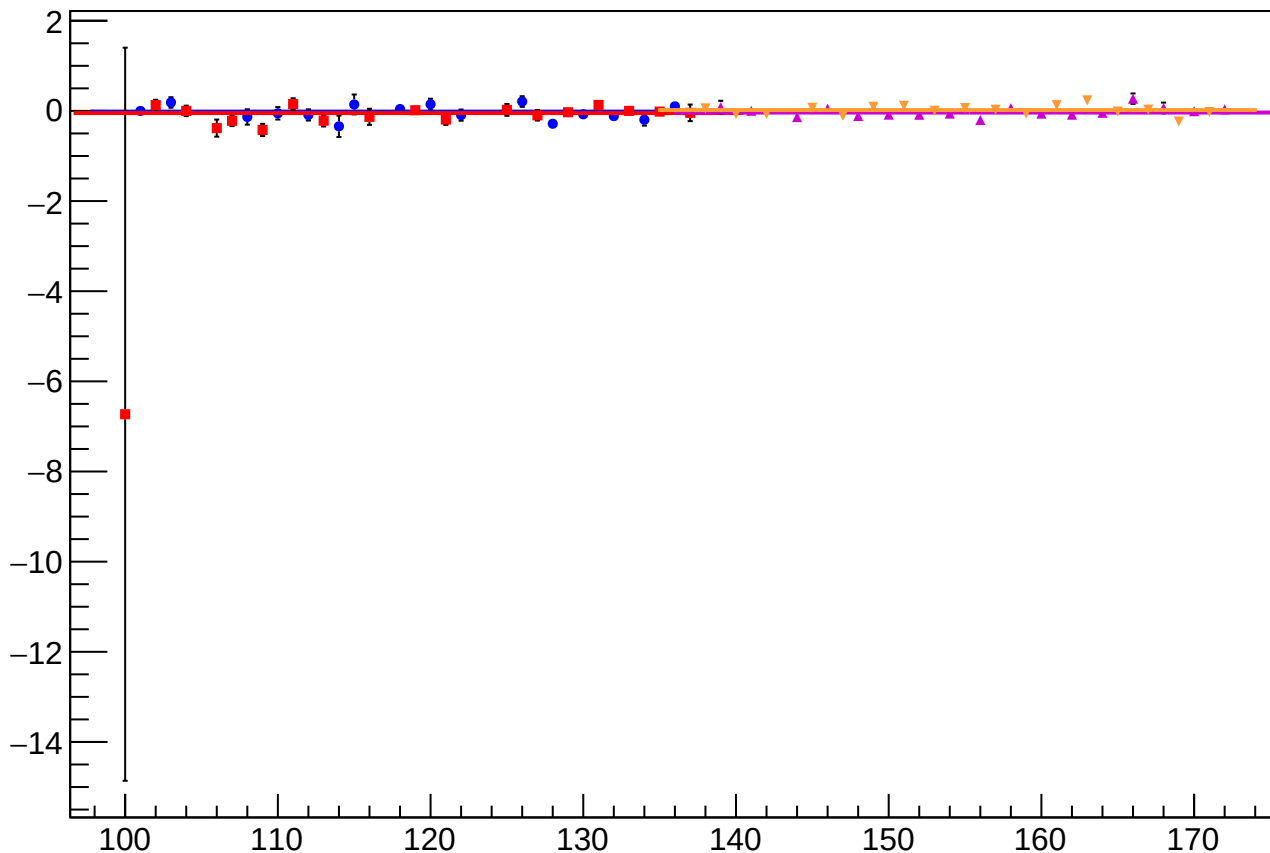
Left In: 0.011 ± 0.023 χ^2/NDF : 17.2/16

+ sign 0.052 ± 0.021 χ^2/NDF : 61.9/32

All: 0.051 ± 0.015 χ^2/NDF : 115.8/67

- 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: 0.018 ± 0.020 χ^2/NDF : 26.0/16

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

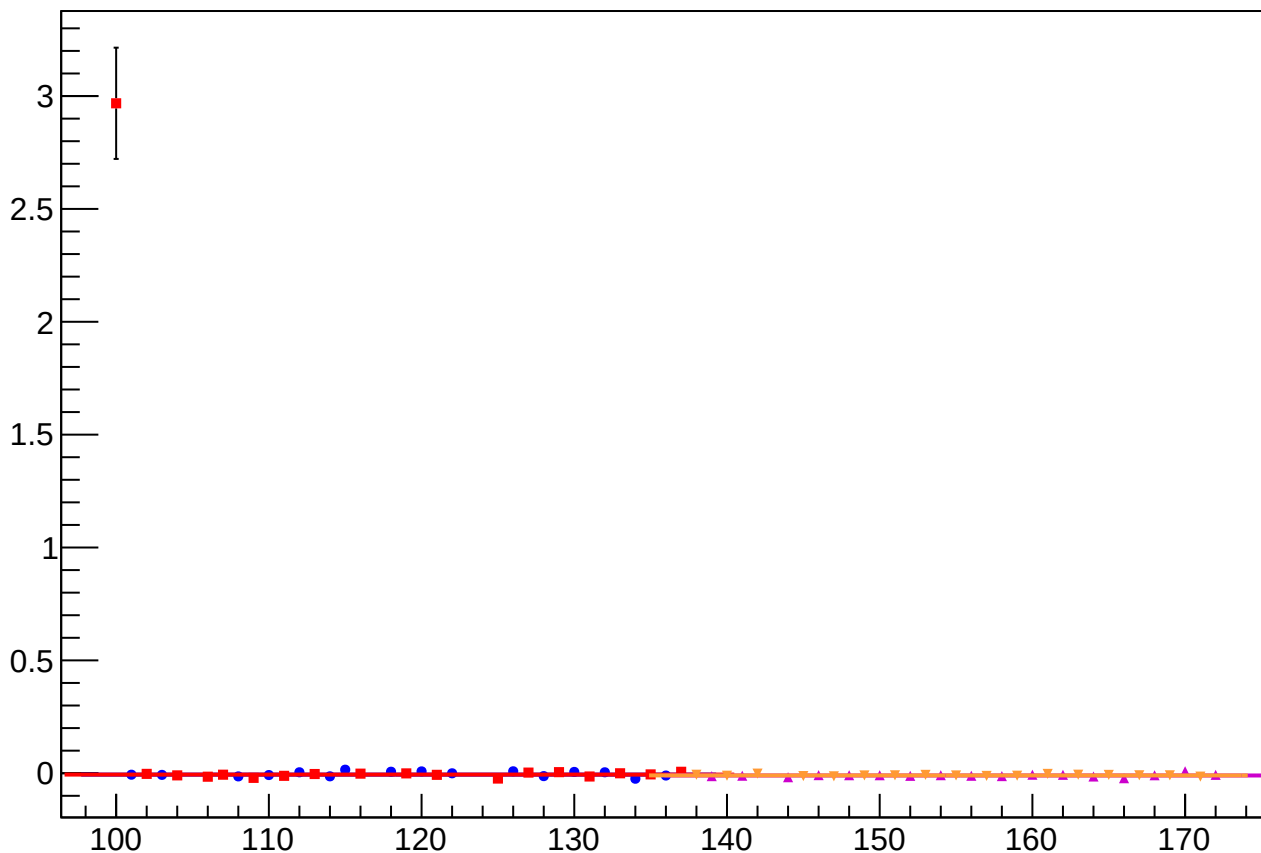
Left In: -0.036 ± 0.020 χ^2/NDF : 22.2/16

+ sign 0.007 ± 0.016 χ^2/NDF : 51.4/32

All: -0.016 ± 0.011 χ^2/NDF : 103.9/67

- 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: -0.010 ± 0.001 χ^2/NDF : 12.2/16

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

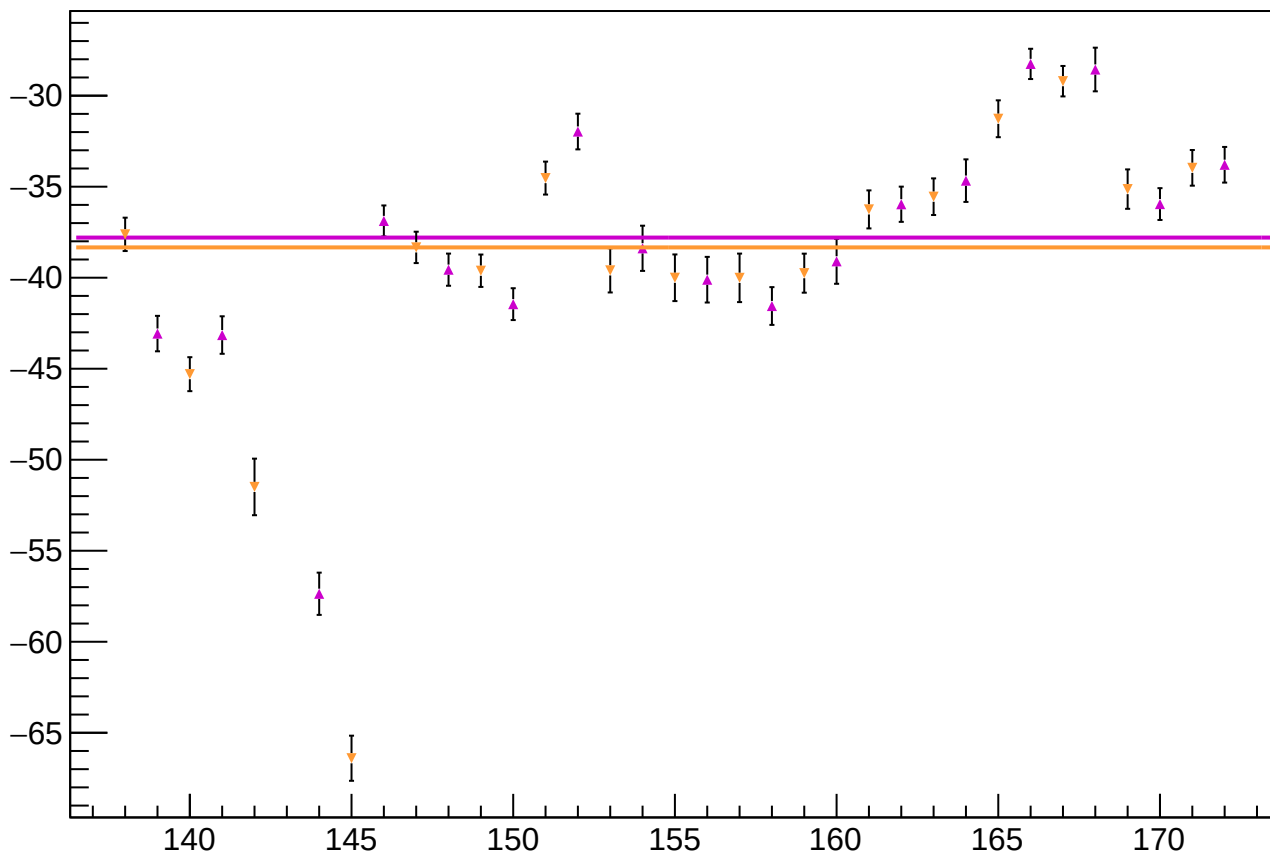
Left In: -0.010 ± 0.001 χ^2/NDF : 29.3/16

+ sign -0.009 ± 0.001 χ^2/NDF : 43.5/32

All: -0.009 ± 0.001 χ^2/NDF : 244.1/67

- 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: -38.335 $\pm$ 0.249 χ^2 /NDF:874.6/16

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

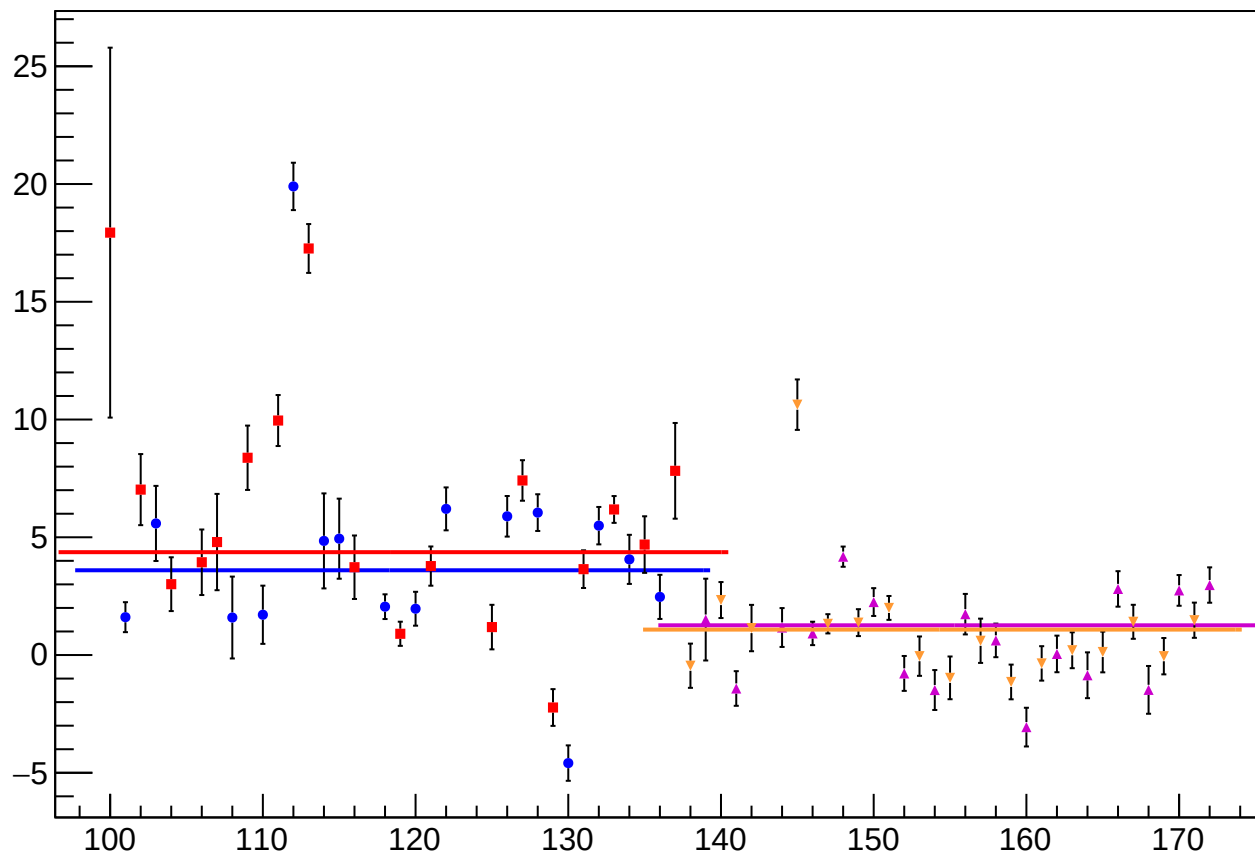
Left In: -37.796 $\pm$ 0.243 χ^2 /NDF:639.3/16

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

All: -38.059 $\pm$ 0.174 χ^2 /NDF: 1516.3/33

- 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: 1.080 ± 0.172 χ^2/NDF : 114.1/16

Right Out: 4.367 ± 0.225 χ^2/NDF : 353.1/17

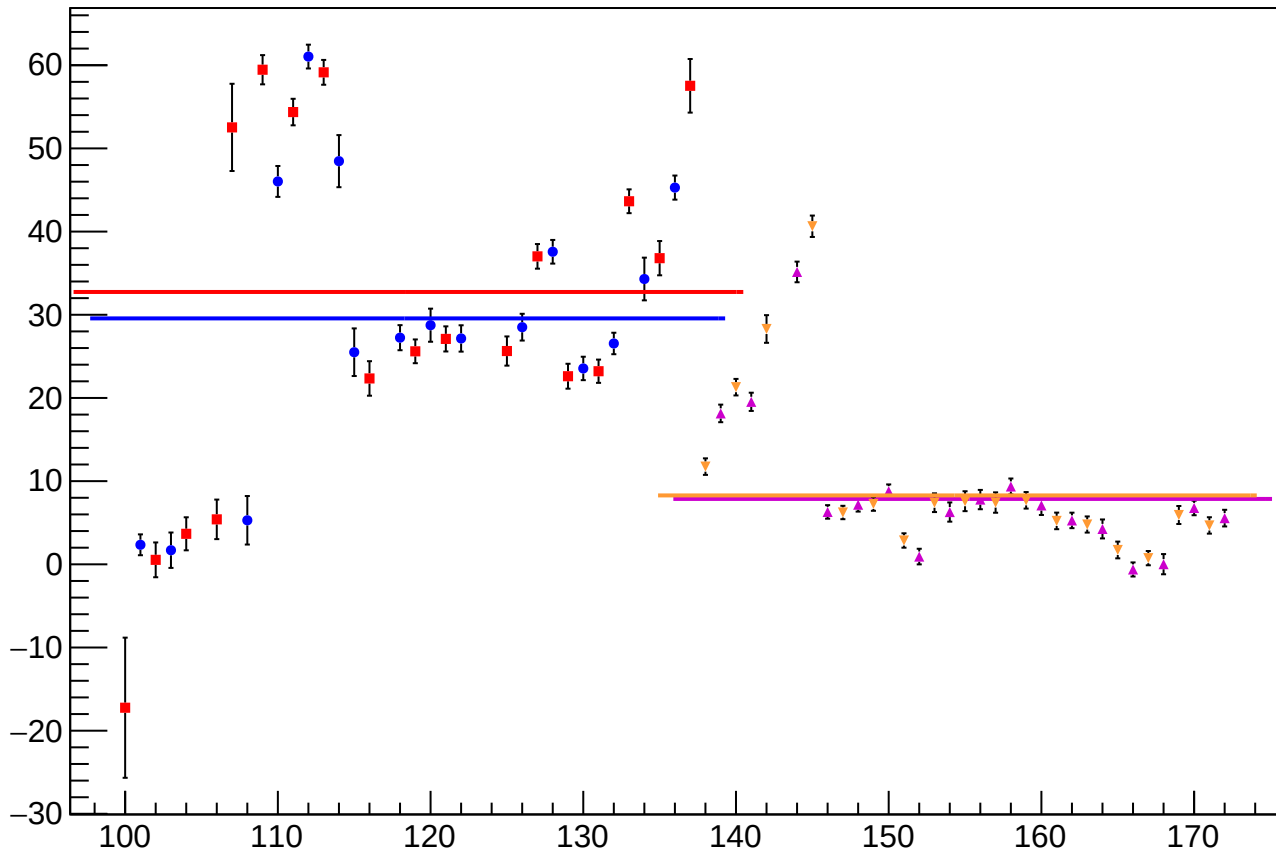
Left In: 1.262 ± 0.173 χ^2/NDF : 138.7/16

+ sign 2.037 ± 0.136 χ^2/NDF : 638.5/32

All: 2.224 ± 0.096 χ^2/NDF : 1254.2/67

- 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: 8.283 ± 0.244 $\chi^2/\text{NDF}: 1170.7/16$

Right Out: 32.741 ± 0.423 $\chi^2/\text{NDF}: 1663.3/17$

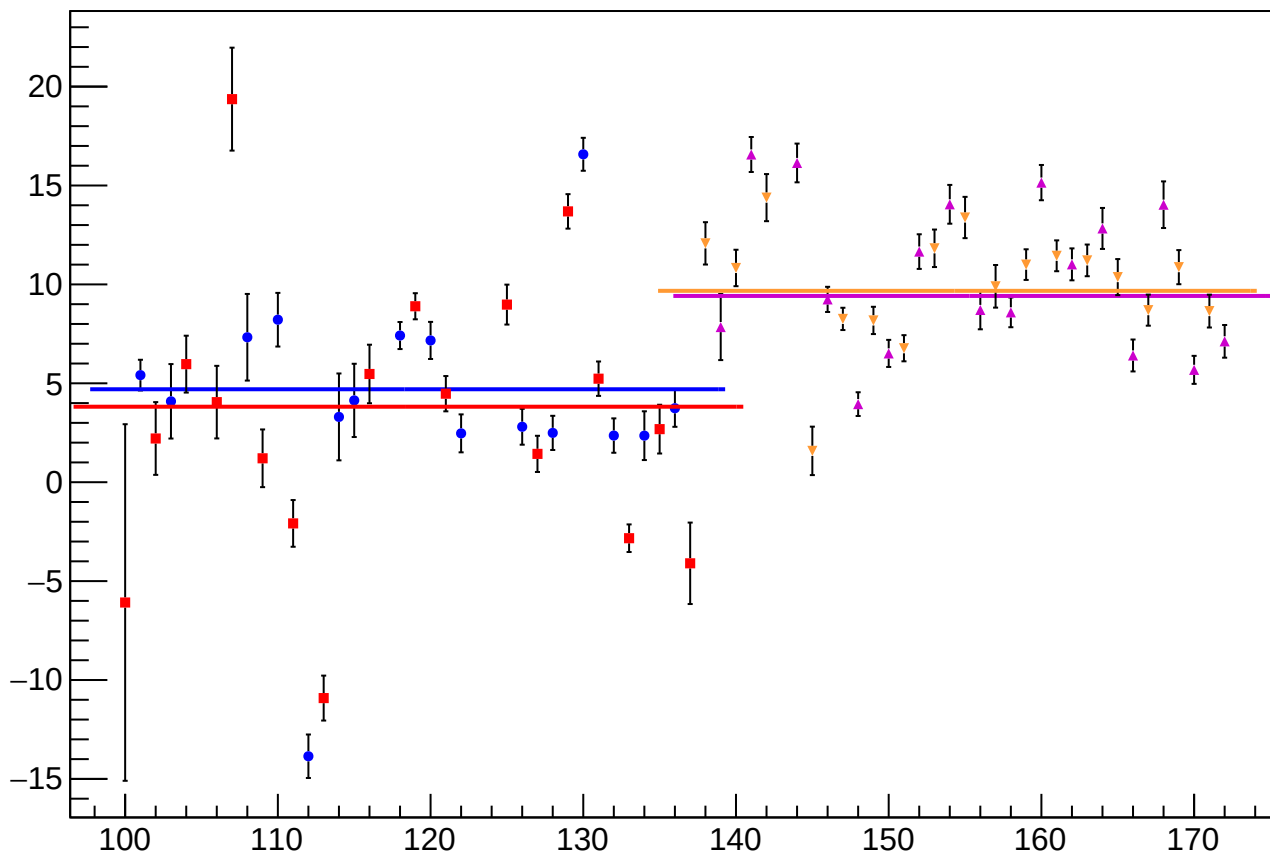
Left In: 7.861 ± 0.238 $\chi^2/\text{NDF}: 923.3/16$

+ sign 13.665 ± 0.211 $\chi^2/\text{NDF}: 4587.5/32$

All: 13.764 ± 0.148 $\chi^2/\text{NDF}: 9803.3/67$

- 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: 9.675 ± 0.203 χ^2/NDF : 131.4/16

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

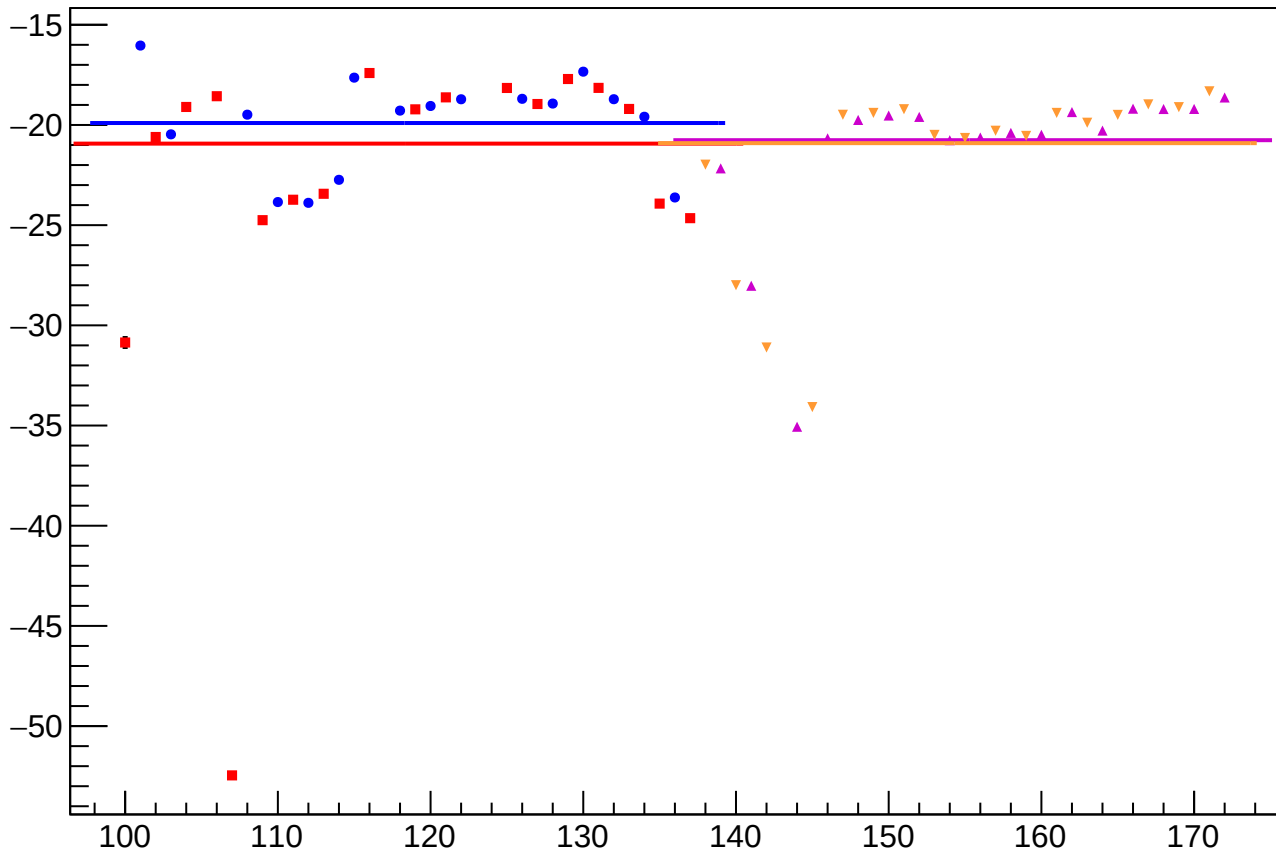
Left In: 9.417 ± 0.201 χ^2/NDF : 366.1/16

+ sign 7.740 ± 0.158 χ^2/NDF : 914.9/32

All: 7.521 ± 0.112 χ^2/NDF : 2144.5/67

- 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 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -20.907 ± 0.010 $\chi^2/\text{NDF}: 137412.5/16$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

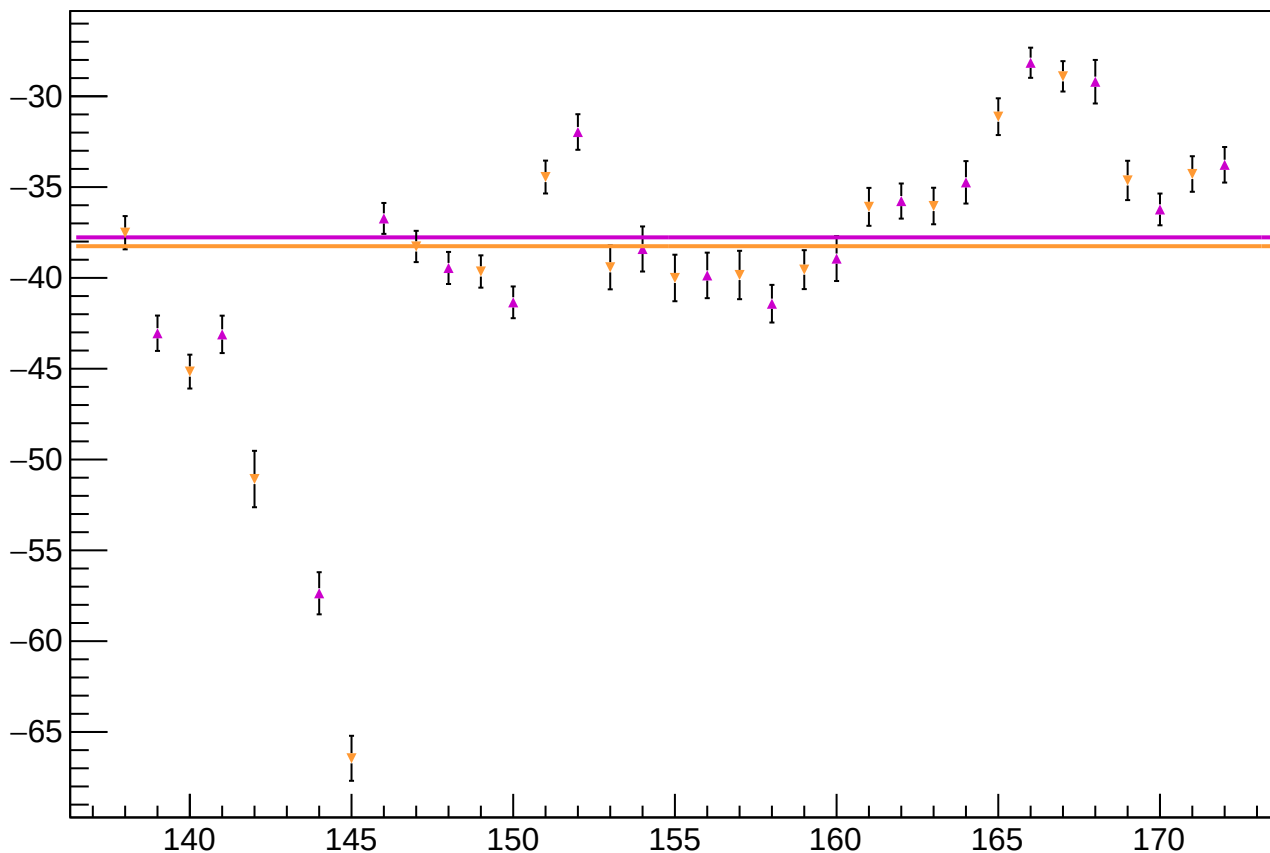
Left In: -20.759 ± 0.009 $\chi^2/\text{NDF}: 110959.5/16$

+ sign -20.631 ± 0.008 $\chi^2/\text{NDF}: 166457.5/32$

All: -20.719 ± 0.006 $\chi^2/\text{NDF}: 371740.2/67$

- sign -20.804 ± 0.008 $\chi^2/\text{NDF}: 205055.8/34$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -38.255+/-0.249 χ^2/NDF : 879.0/16

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

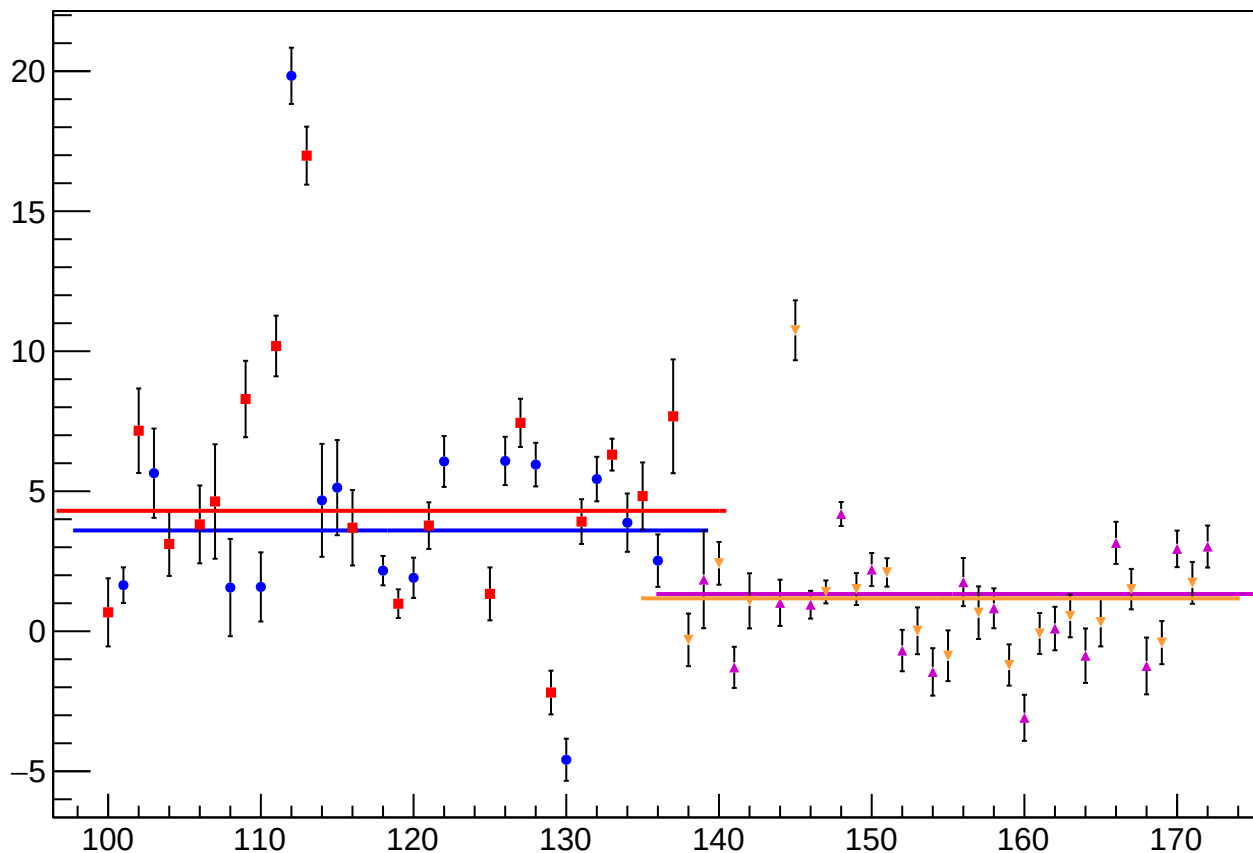
Left In: -37.768+/-0.243 χ^2/NDF : 631.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -38.006+/-0.174 χ^2/NDF : 1512.0/33

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.175 ± 0.172 χ^2/NDF : 116.5/16

Right Out: 4.301 ± 0.221 χ^2/NDF : 352.1/17

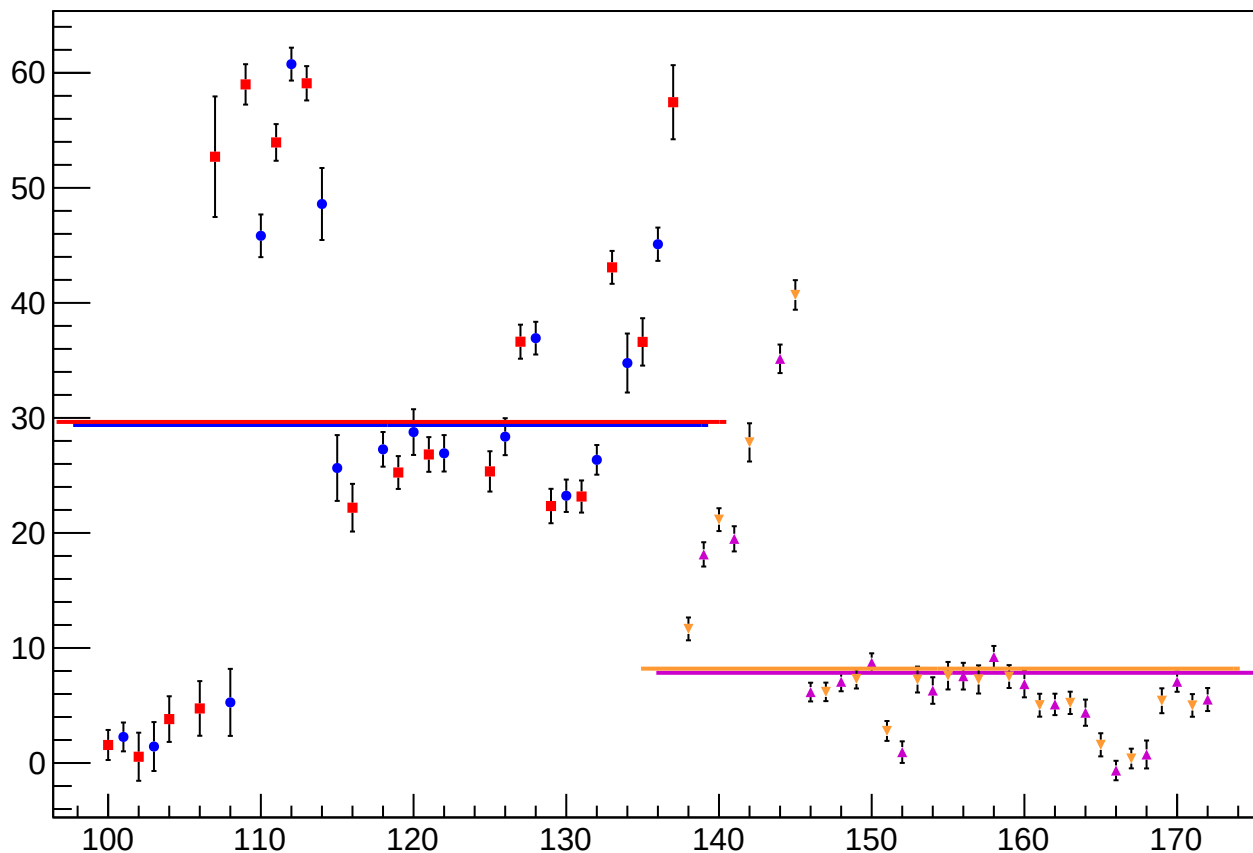
Left In: 1.329 ± 0.172 χ^2/NDF : 139.2/16

+ sign 2.096 ± 0.136 χ^2/NDF : 631.9/32

All: 2.275 ± 0.096 χ^2/NDF : 1239.1/67

- sign 2.454 ± 0.136 χ^2/NDF : 603.7/34

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2/NDF : 1488.6/15

Left Out: 8.205 $\pm$ 0.244 χ^2/NDF : 1173.3/16

Right Out: 29.652 $\pm$ 0.402 χ^2/NDF : 2131.0/17

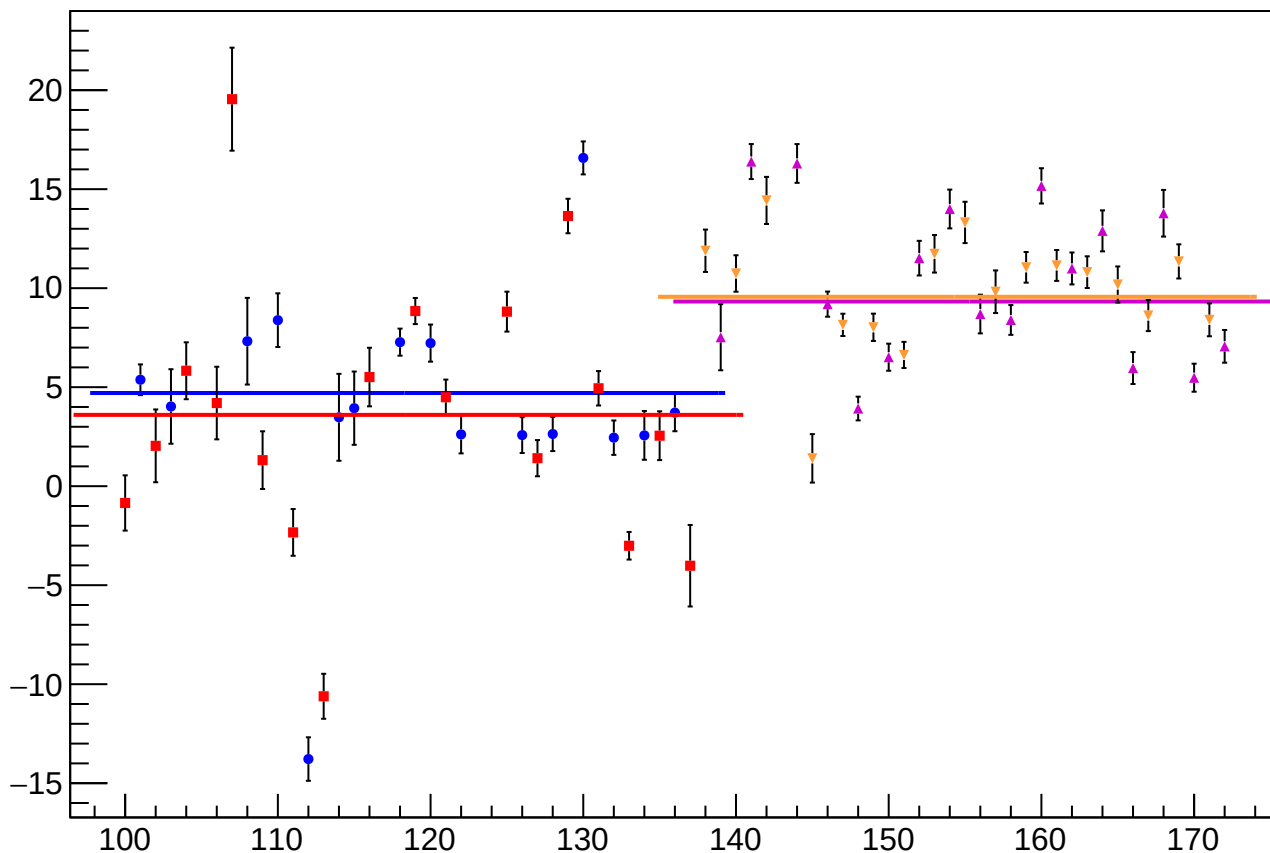
Left In: 7.843 $\pm$ 0.238 χ^2/NDF : 917.1/16

+ sign 13.563 $\pm$ 0.211 χ^2/NDF : 4568.9/32

All: 13.530 $\pm$ 0.147 χ^2/NDF : 9793.0/67

- sign 13.500 $\pm$ 0.205 χ^2/NDF : 5224.1/34

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 $\pm$ 0.254 χ^2 /NDF: 545.2/15

Left Out: 9.565 $\pm$ 0.203 χ^2 /NDF:135.3/16

Right Out: 3.601 $\pm$ 0.254 χ^2 /NDF: 573.4/17

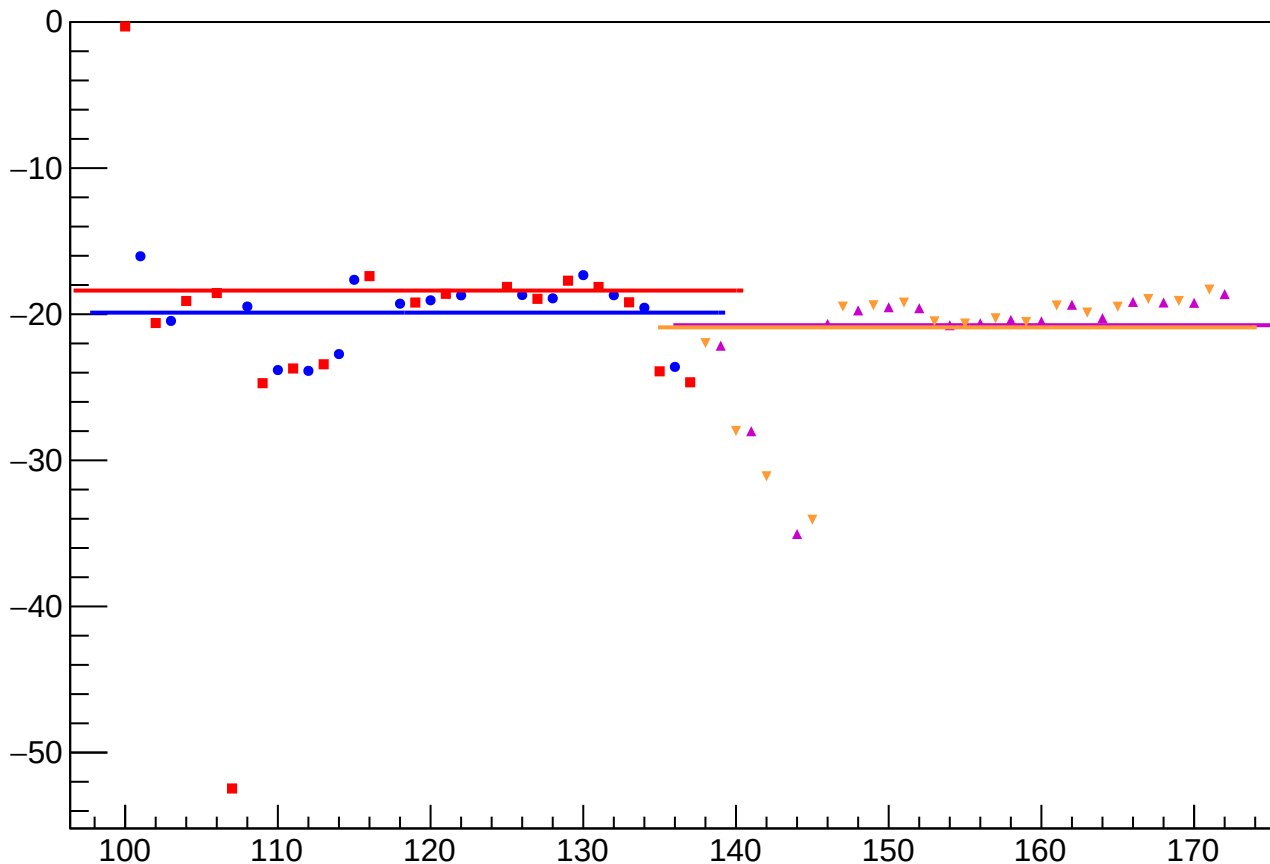
Left In: 9.326 $\pm$ 0.201 χ^2 /NDF:373.0/16

+ sign 7.675 $\pm$ 0.158 χ^2 /NDF: 904.3/32

All: 7.396 $\pm$ 0.112 χ^2 /NDF: 2168.9/67

- sign 7.118 $\pm$ 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: -20.899 ± 0.010 χ^2/NDF : 137502.5/16

Right Out: -18.380 ± 0.015 χ^2/NDF : 300999.4/17

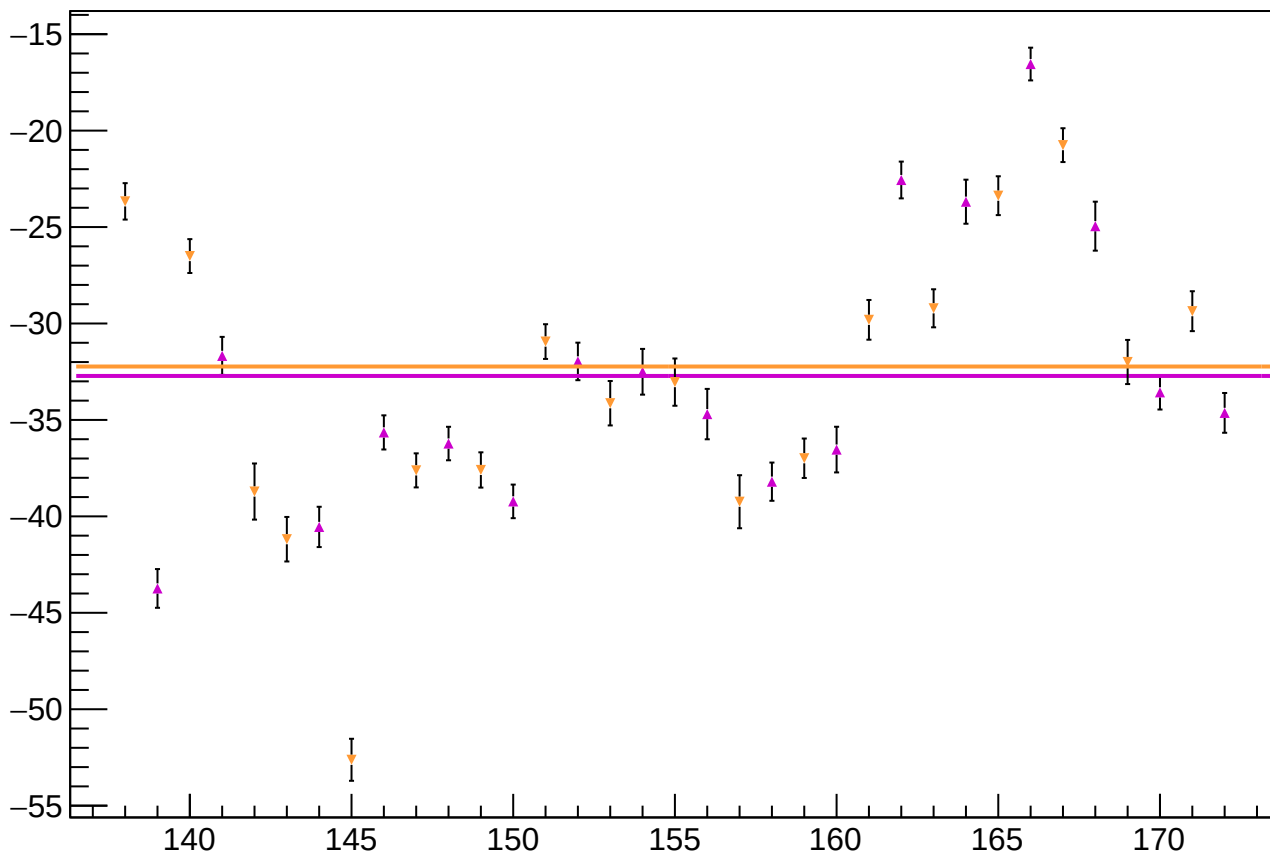
Left In: -20.751 ± 0.009 χ^2/NDF : 110855.1/16

+ sign -20.622 ± 0.008 χ^2/NDF : 166565.5/32

All: -20.336 ± 0.006 χ^2/NDF : 599197.9/67

- 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: -32.230+/-0.242 χ^2/NDF : 951.0/17

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

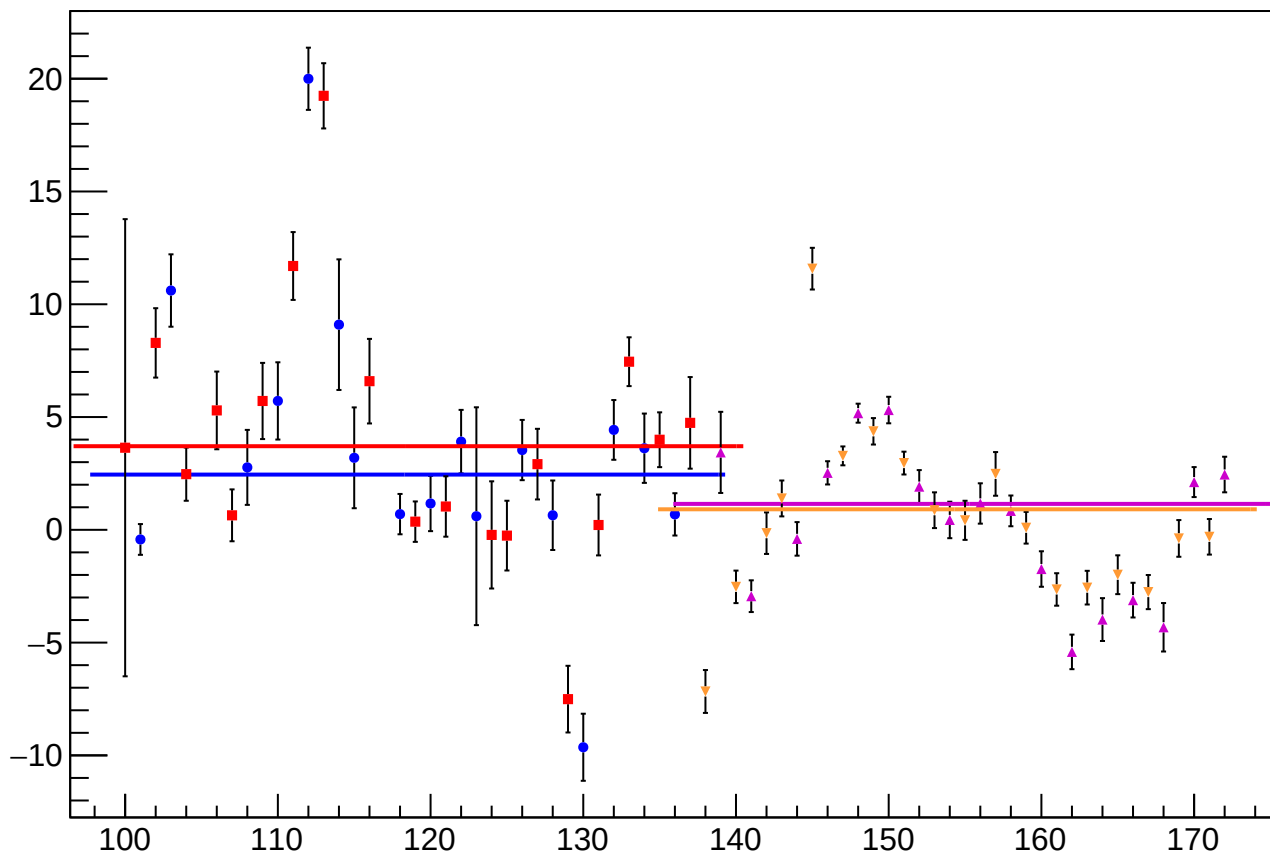
Left In: -32.720+/-0.242 χ^2/NDF : 885.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.475+/-0.171 χ^2/NDF : 1838.4/34

- 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: 0.910 ± 0.168 χ^2/NDF : 403.2/17

Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

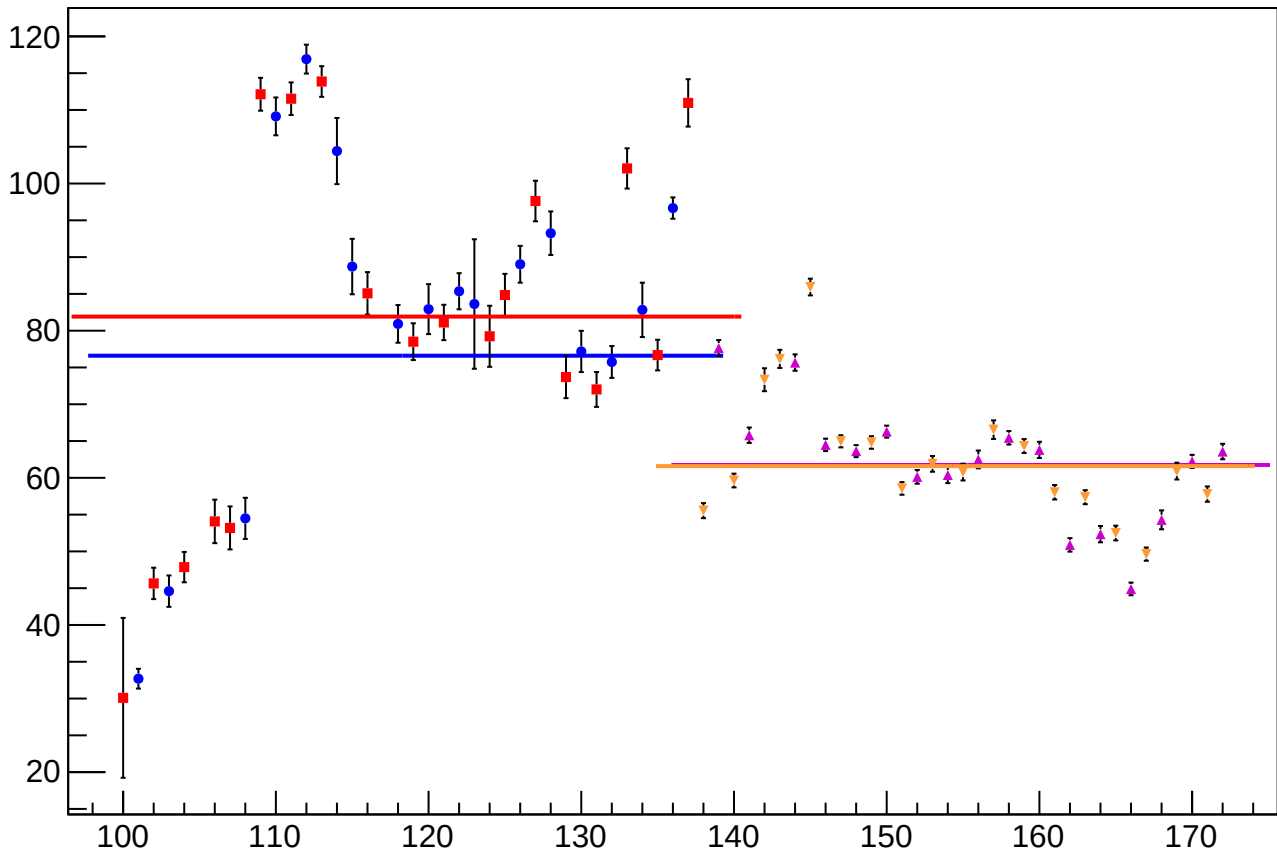
Left In: 1.150 ± 0.171 χ^2/NDF : 367.7/16

+ sign 1.252 ± 0.148 χ^2/NDF : 717.2/34

All: 1.472 ± 0.106 χ^2/NDF : 1406.9/70

- sign 1.702 ± 0.152 χ^2/NDF : 685.3/35

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 ± 0.576 $\chi^2/\text{NDF}: 2255.1/16$

Left Out: 61.591 ± 0.239 $\chi^2/\text{NDF}: 1068.2/17$

Right Out: 81.916 ± 0.592 $\chi^2/\text{NDF}: 1570.7/18$

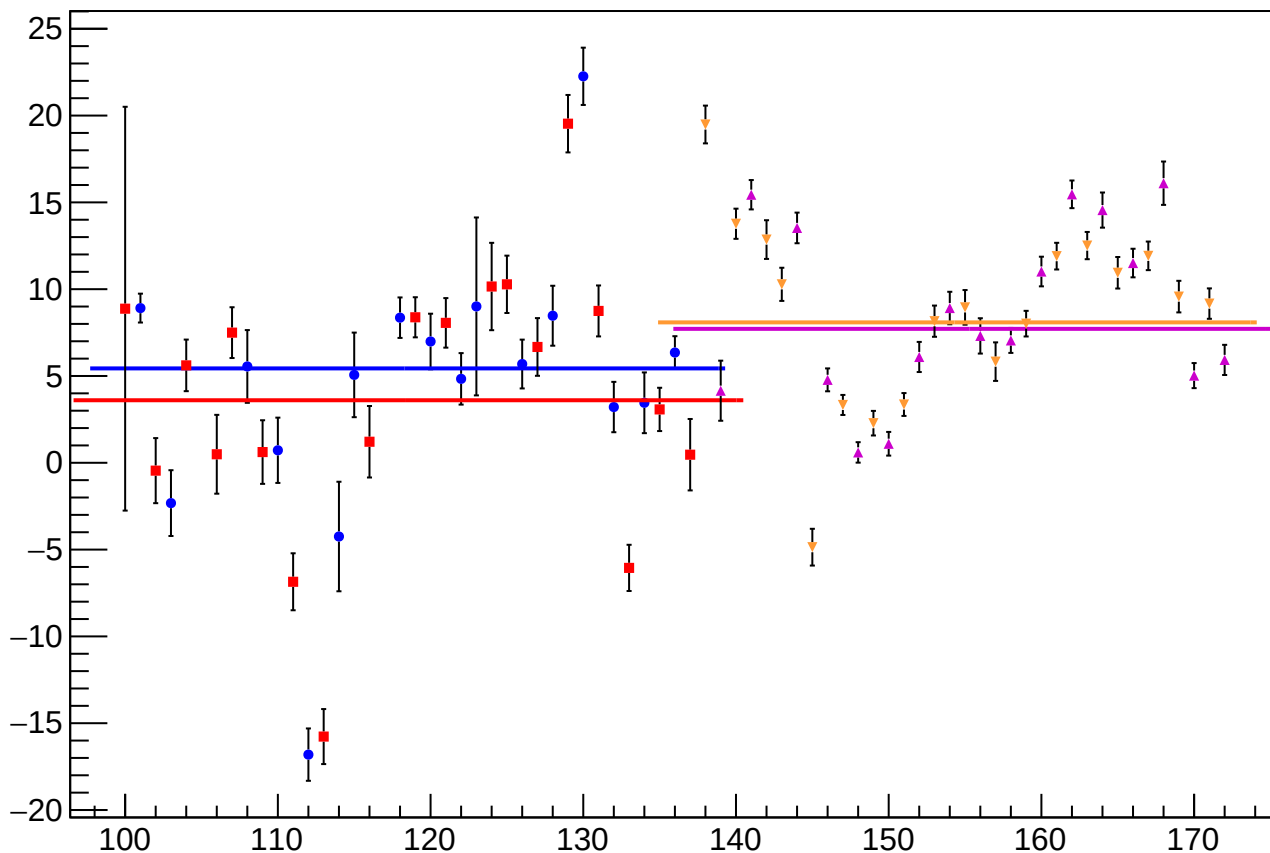
Left In: 61.751 ± 0.237 $\chi^2/\text{NDF}: 1083.1/16$

+ sign 63.787 ± 0.220 $\chi^2/\text{NDF}: 3902.6/34$

All: 64.166 ± 0.156 $\chi^2/\text{NDF}: 7561.7/70$

- sign 64.544 ± 0.220 $\chi^2/\text{NDF}: 3653.2/35$

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 8.088 ± 0.197 $\chi^2/\text{NDF}: 609.6/17$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

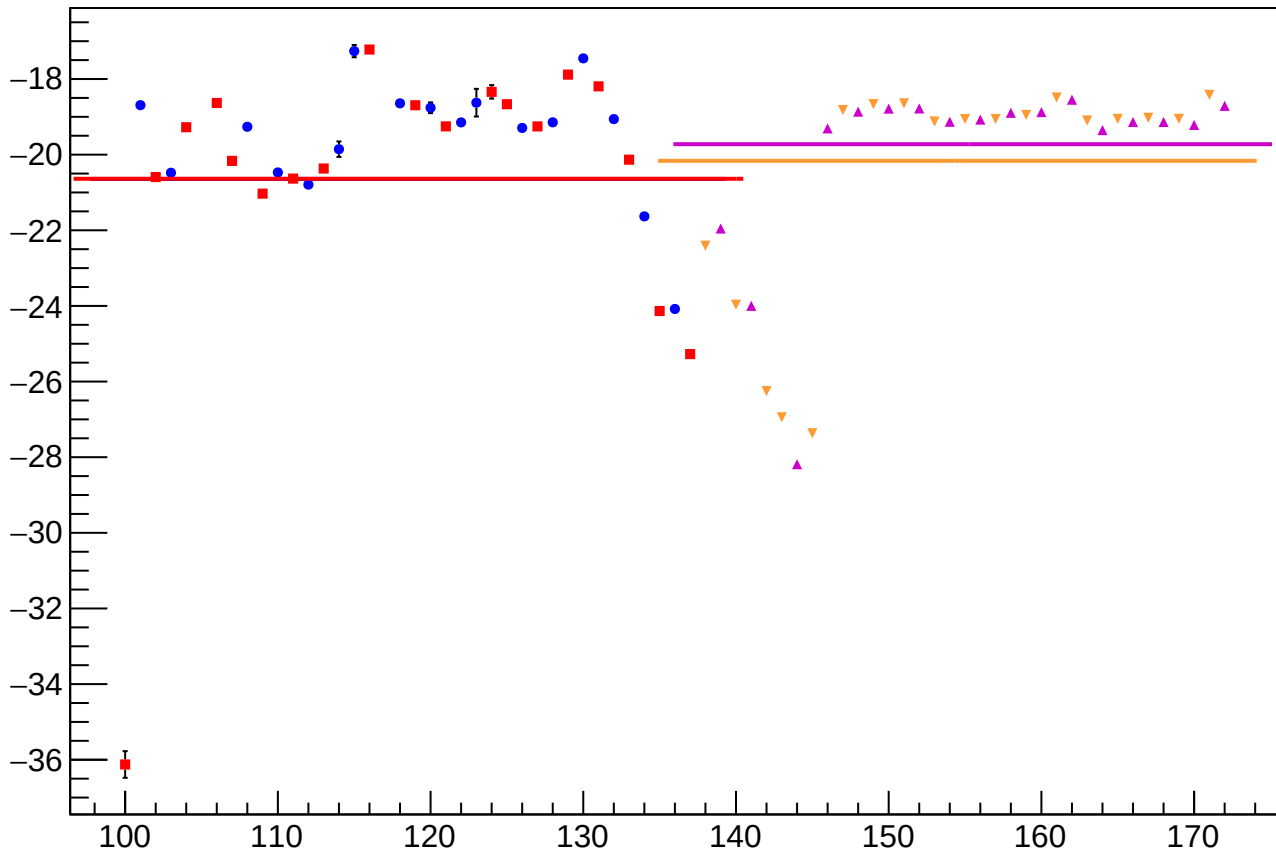
Left In: 7.715 ± 0.200 $\chi^2/\text{NDF}: 636.9/16$

+ sign 7.476 ± 0.173 $\chi^2/\text{NDF}: 1038.5/34$

All: 7.146 ± 0.124 $\chi^2/\text{NDF}: 2199.8/70$

- 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: -20.163 ± 0.009 χ^2/NDF : 81182.5/17

Right Out: -20.638 ± 0.019 χ^2/NDF : 13783.4/18

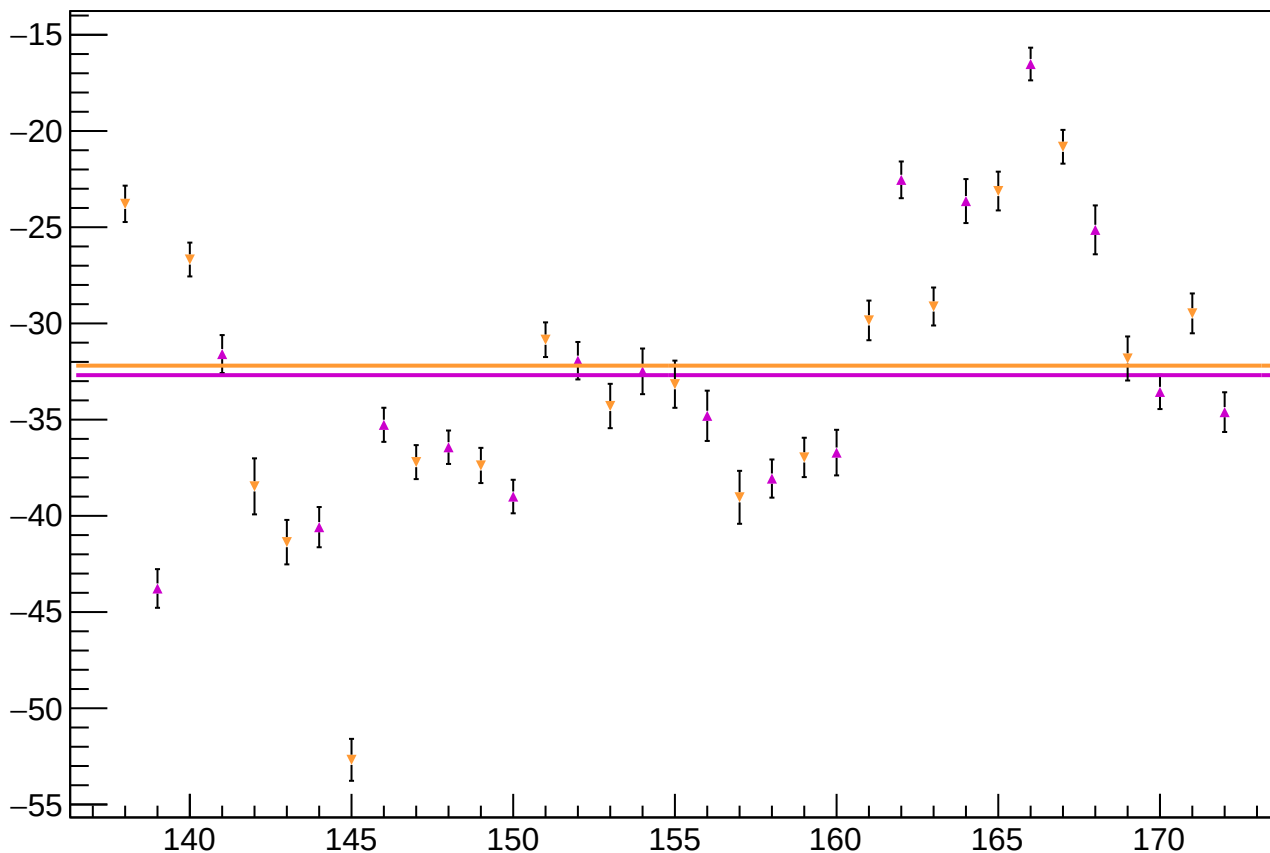
Left In: -19.723 ± 0.009 χ^2/NDF : 49701.6/16

+ sign -20.255 ± 0.008 χ^2/NDF : 94109.2/34

All: -20.074 ± 0.006 χ^2/NDF : 160304.2/70

- 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: -32.194+/-0.242 χ^2/NDF : 941.6/17

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

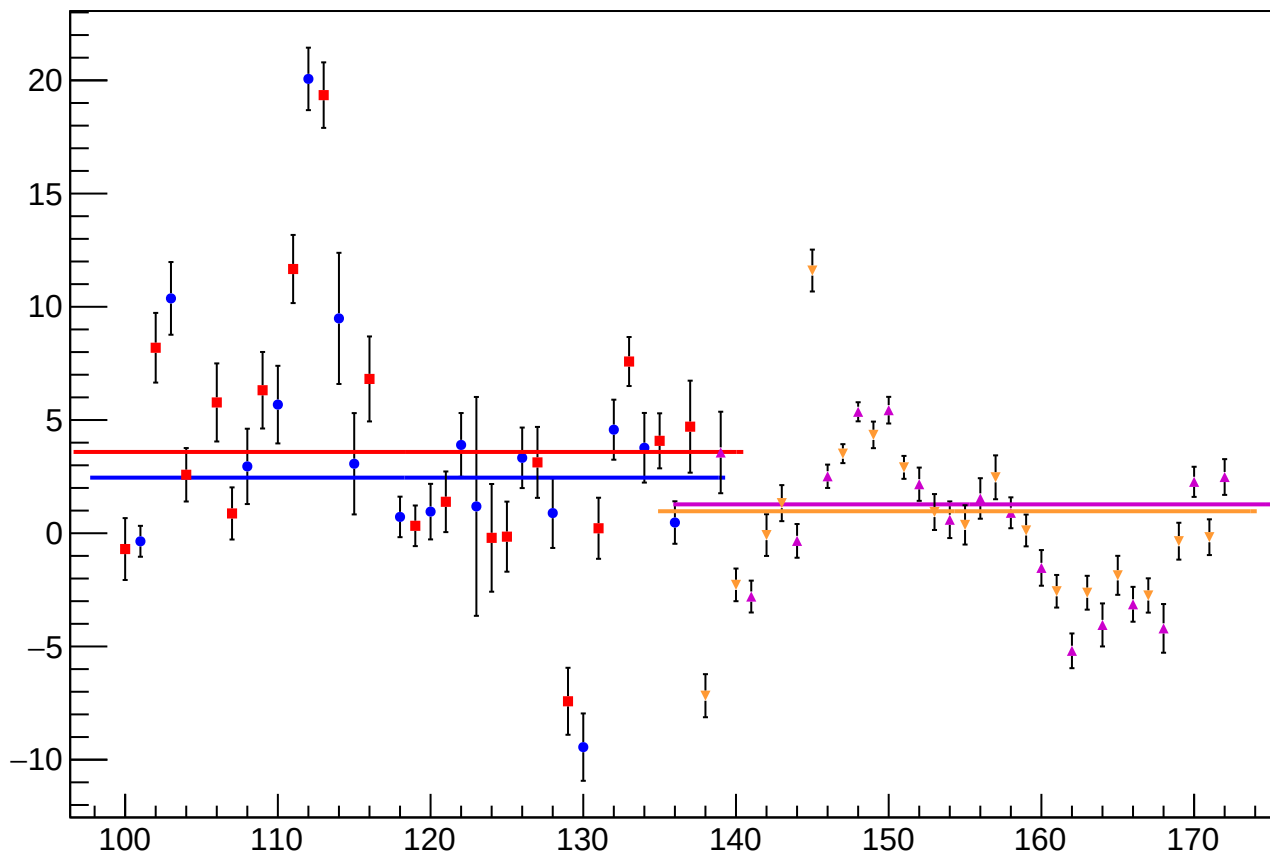
Left In: -32.688+/-0.243 χ^2/NDF : 881.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.441+/-0.171 χ^2/NDF : 1825.2/34

- 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: 0.971 ± 0.168 $\chi^2/\text{NDF}: 403.2/17$

Right Out: 3.590 ± 0.318 $\chi^2/\text{NDF}: 279.8/18$

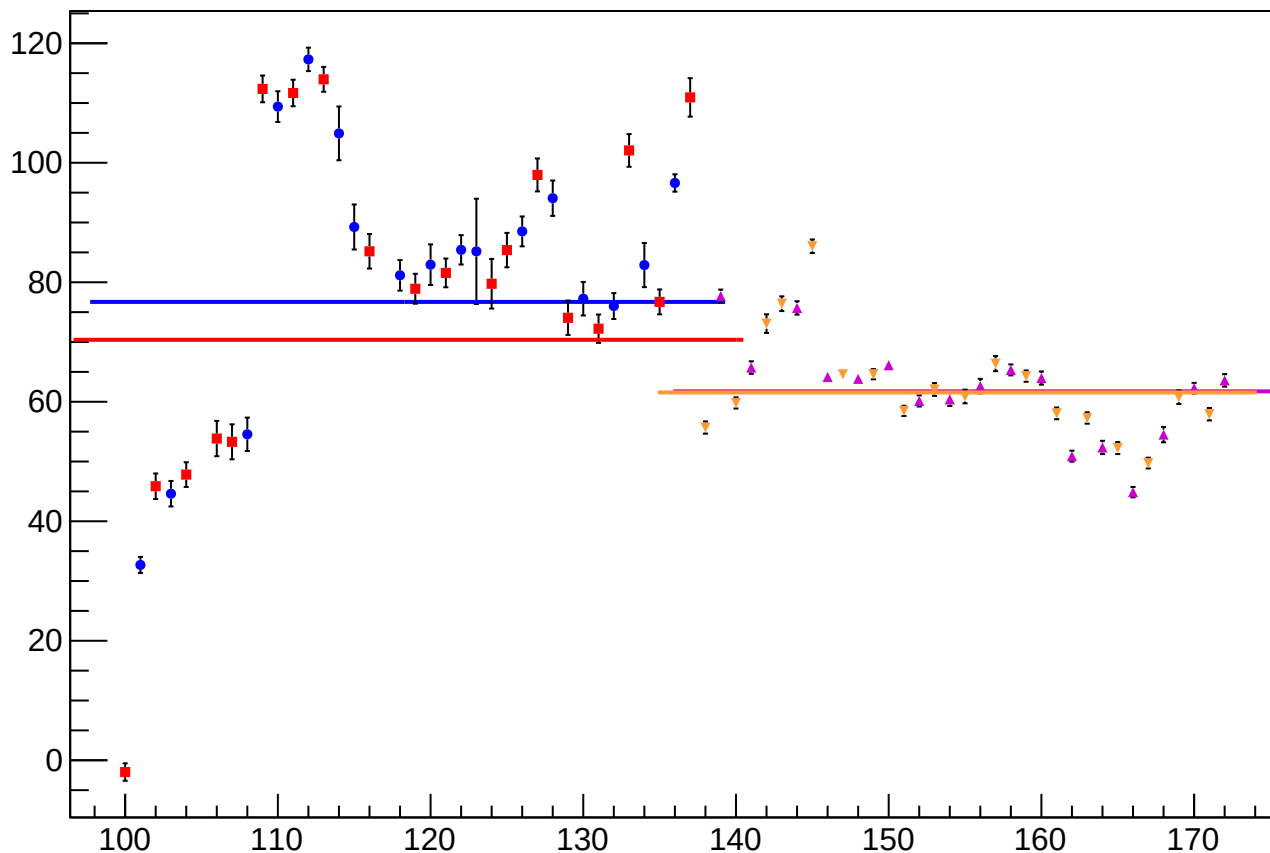
Left In: 1.275 ± 0.171 $\chi^2/\text{NDF}: 370.8/16$

+ sign 1.301 ± 0.148 $\chi^2/\text{NDF}: 714.0/34$

All: 1.544 ± 0.106 $\chi^2/\text{NDF}: 1411.2/70$

- 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 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 61.562 $\pm$ 0.239 χ^2 /NDF:1066.1/17

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

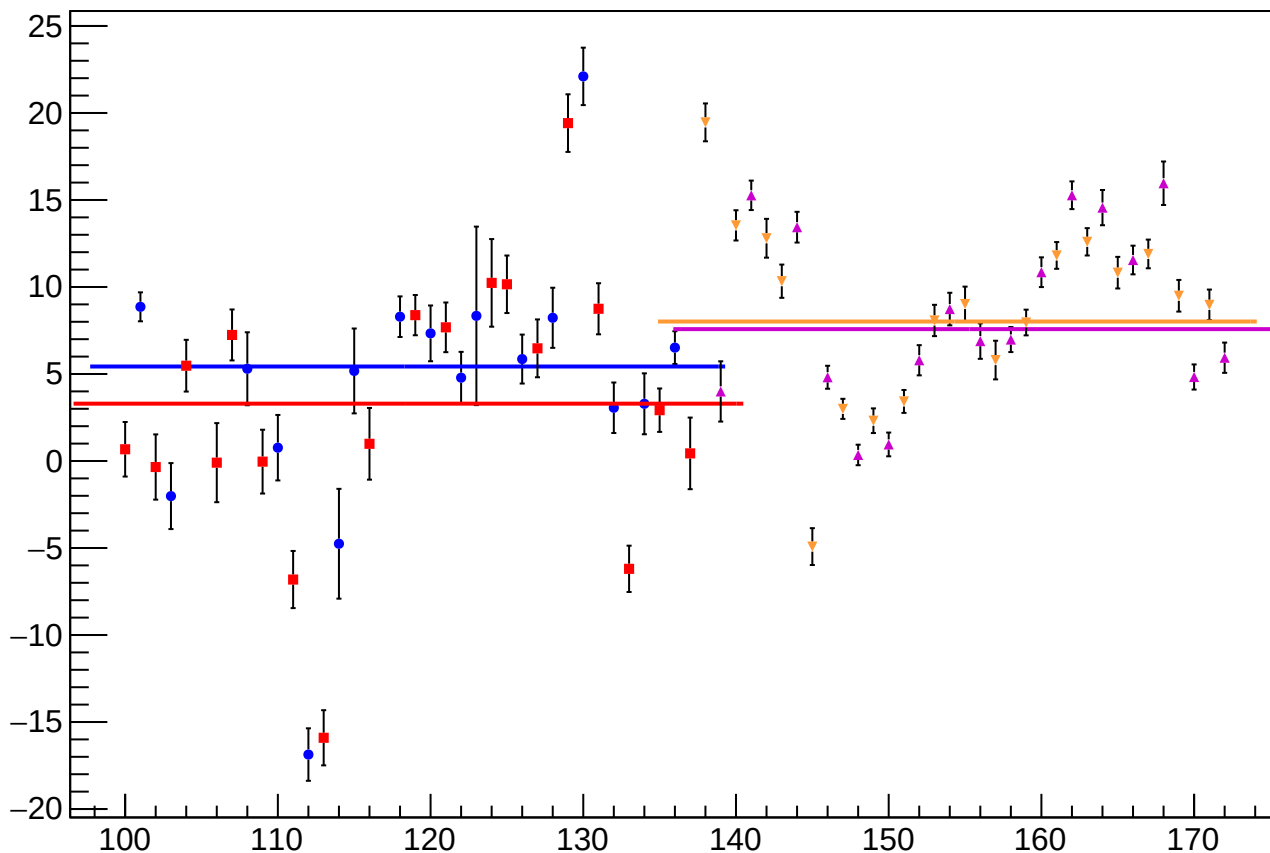
Left In: 61.745 $\pm$ 0.238 χ^2 /NDF:1078.7/16

+ sign 63.780 $\pm$ 0.220 χ^2 /NDF: 3922.6/34

All: 63.437 $\pm$ 0.155 χ^2 /NDF: 9604.4/70

- sign 63.103 $\pm$ 0.218 χ^2 /NDF: 5677.0/35

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 8.016 ± 0.197 $\chi^2/\text{NDF}: 612.3/17$

Right Out: 3.295 ± 0.365 $\chi^2/\text{NDF}: 426.1/18$

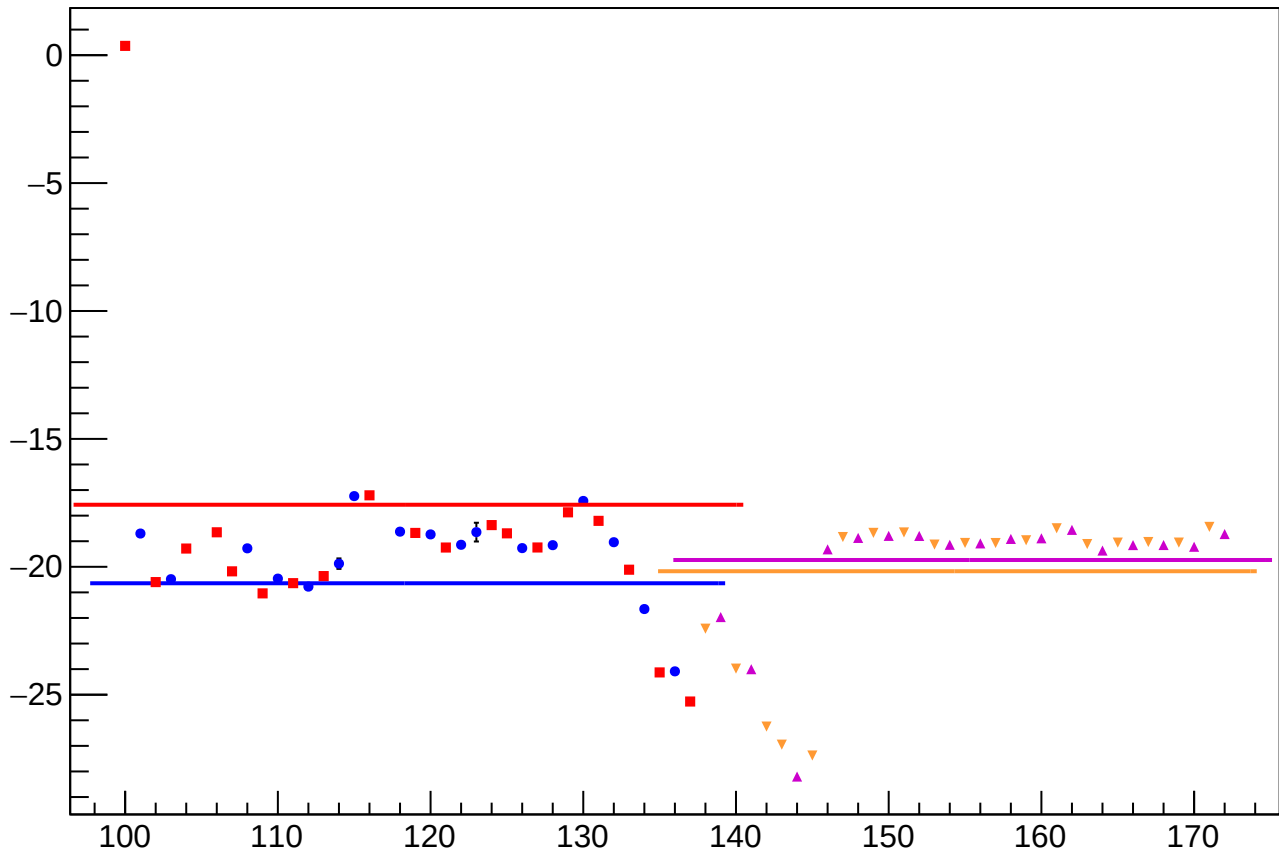
Left In: 7.578 ± 0.200 $\chi^2/\text{NDF}: 641.8/16$

+ sign 7.419 ± 0.173 $\chi^2/\text{NDF}: 1037.7/34$

All: 7.009 ± 0.123 $\chi^2/\text{NDF}: 2222.8/70$

- sign 6.588 ± 0.175 $\chi^2/\text{NDF}: 1173.7/35$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -20.173 ± 0.009 $\chi^2/\text{NDF}: 81020.7/17$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178327.0/18$

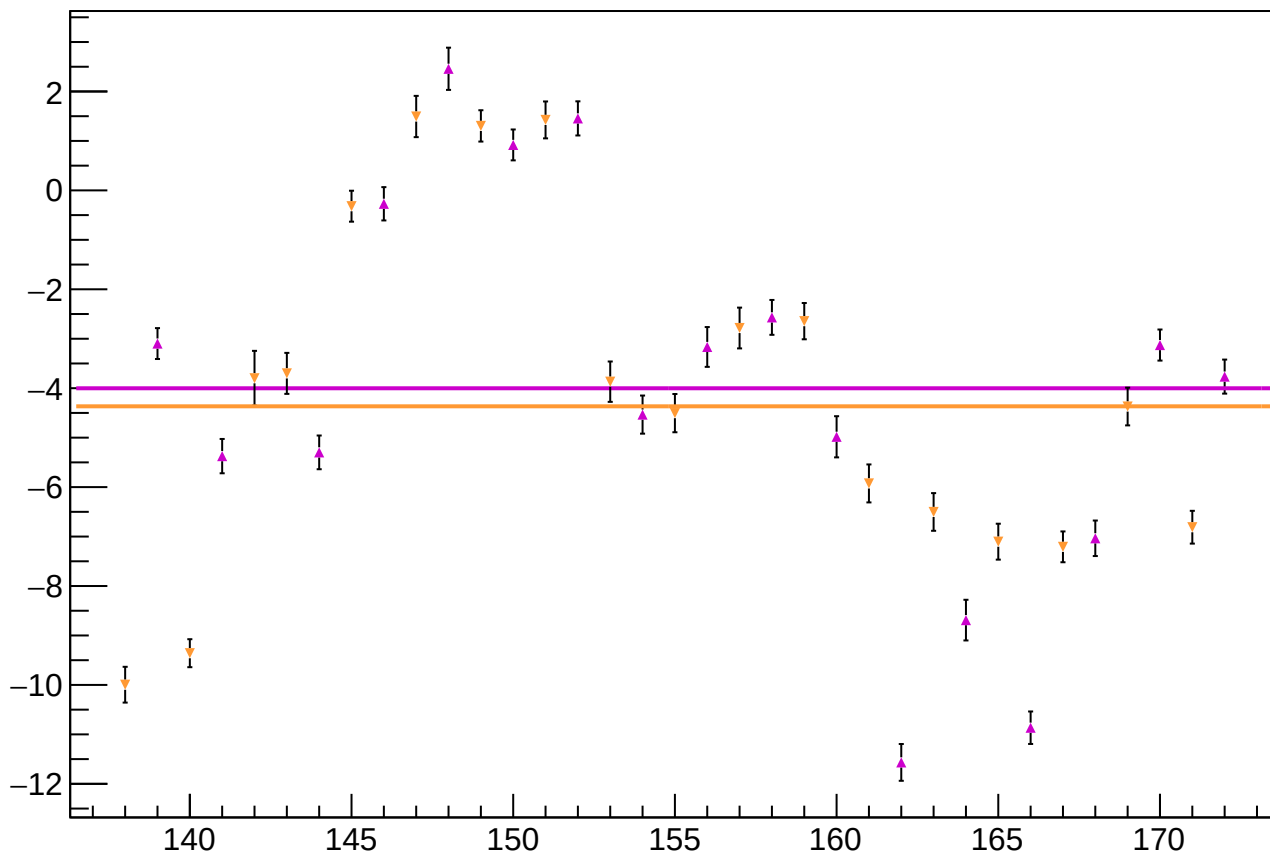
Left In: -19.734 ± 0.009 $\chi^2/\text{NDF}: 49637.5/16$

+ sign -20.263 ± 0.008 $\chi^2/\text{NDF}: 93966.9/34$

All: -19.760 ± 0.006 $\chi^2/\text{NDF}: 340161.7/70$

- sign -19.277 ± 0.008 $\chi^2/\text{NDF}: 239275.6/35$

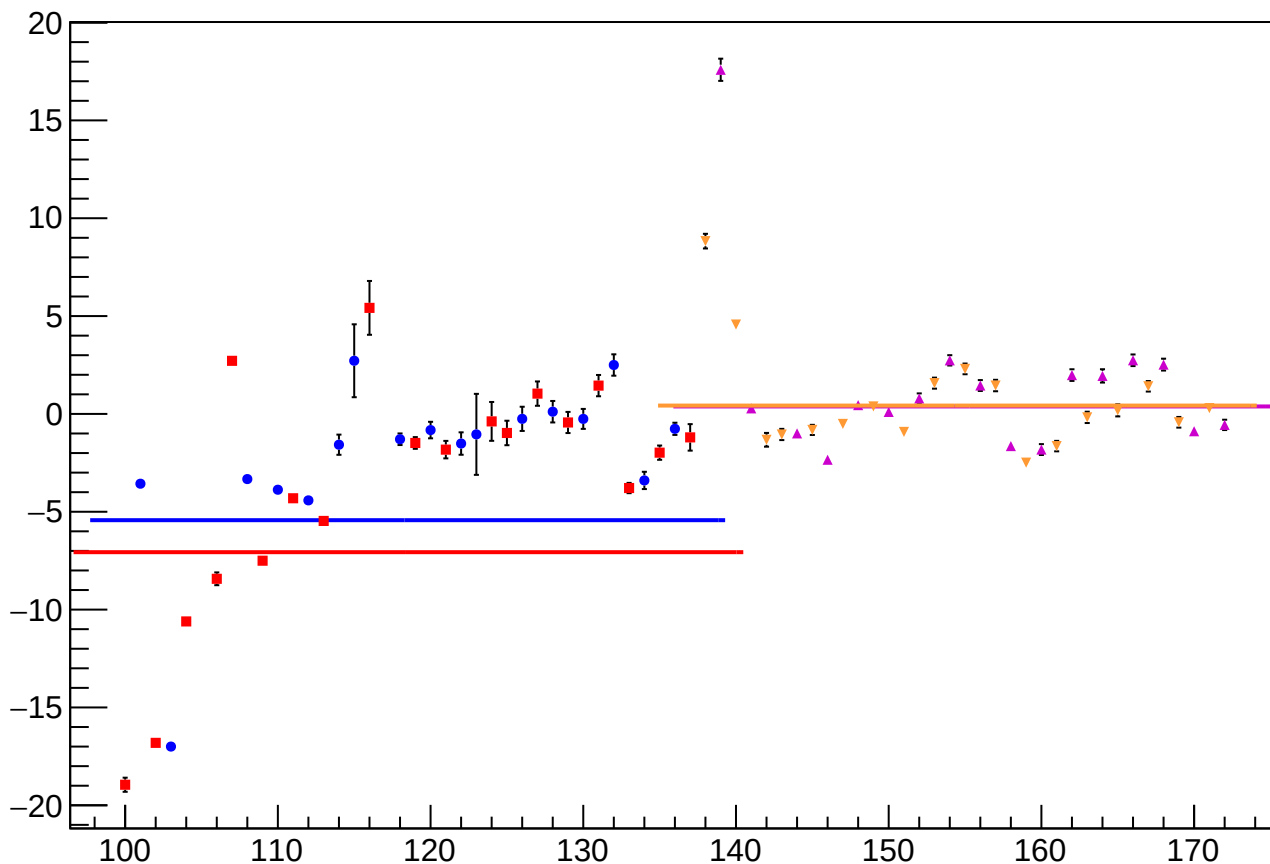
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -4.366 $\pm$ 0.086 χ^2 /NDF:1763.5/17
 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: -4.184 $\pm$ 0.061 χ^2 /NDF: 3749.1/34
 - 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: 0.427 ± 0.062 χ^2/NDF : 1244.1/17

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

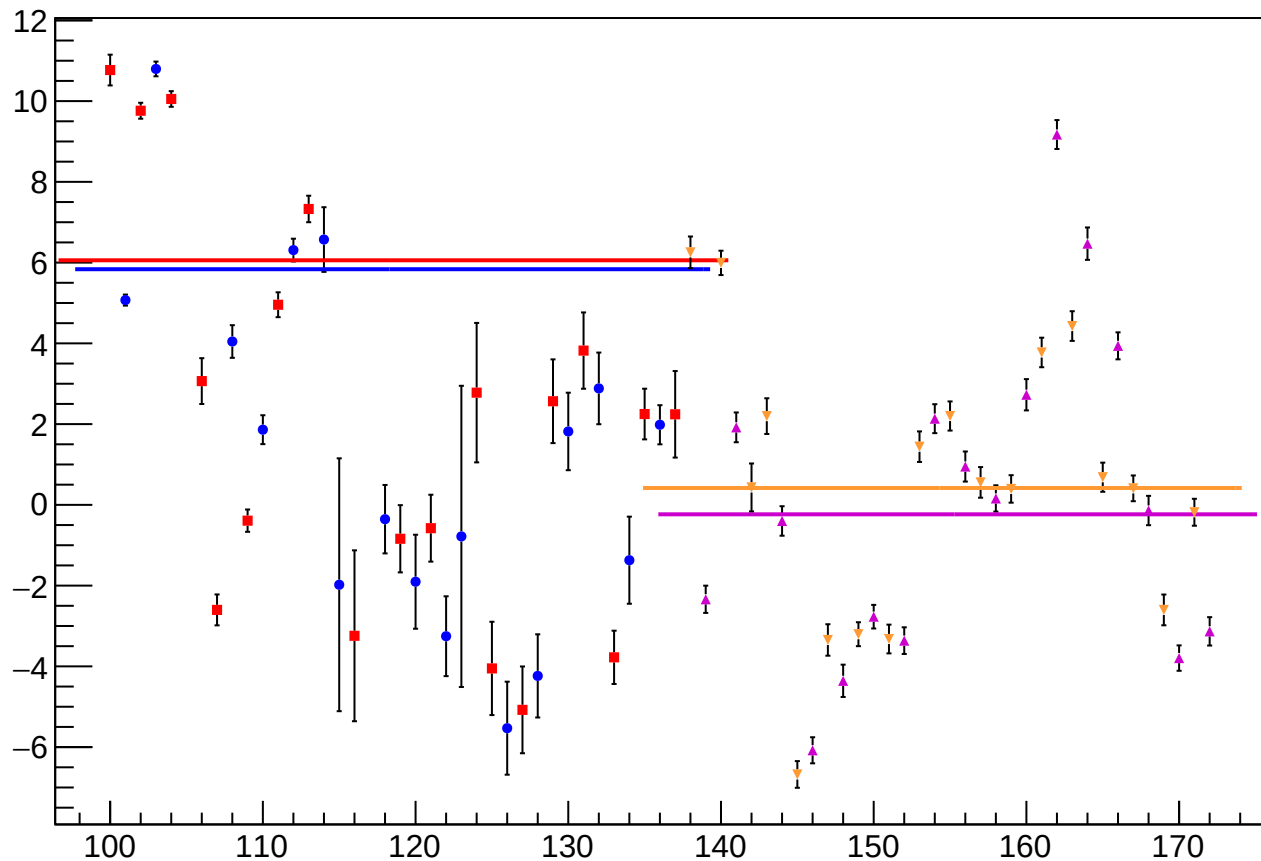
Left In: 0.381 ± 0.063 χ^2/NDF : 1550.3/16

+ sign -2.850 ± 0.041 χ^2/NDF : 15499.6/34

All: -3.208 ± 0.030 χ^2/NDF : 36916.7/70

- 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 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: 0.418 $\pm$ 0.085 χ^2 /NDF:1694.9/17

Right Out: 6.057 $\pm$ 0.093 χ^2 /NDF: 2668.9/18

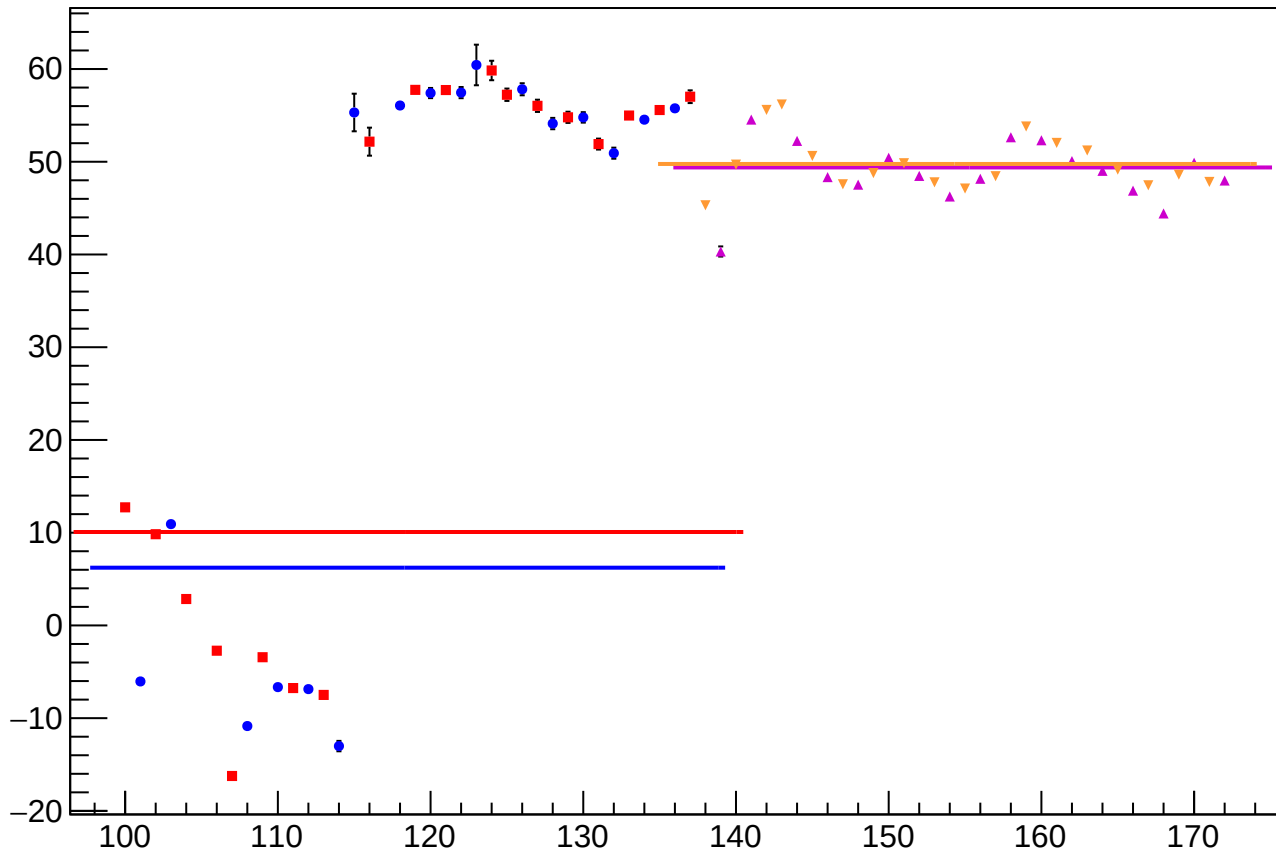
Left In: -0.234 $\pm$ 0.084 χ^2 /NDF:2107.1/16

+ sign 2.977 $\pm$ 0.062 χ^2 /NDF: 5062.8/34

All: 2.791 $\pm$ 0.044 χ^2 /NDF: 12355.7/70

- sign 2.599 $\pm$ 0.063 χ^2 /NDF: 7274.3/35

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 $\pm$ 0.065 χ^2/NDF : 120955.1/16

Left Out: 49.761 $\pm$ 0.071 χ^2/NDF :1304.1/17

Right Out: 10.075 $\pm$ 0.070 χ^2/NDF : 122049.3/18

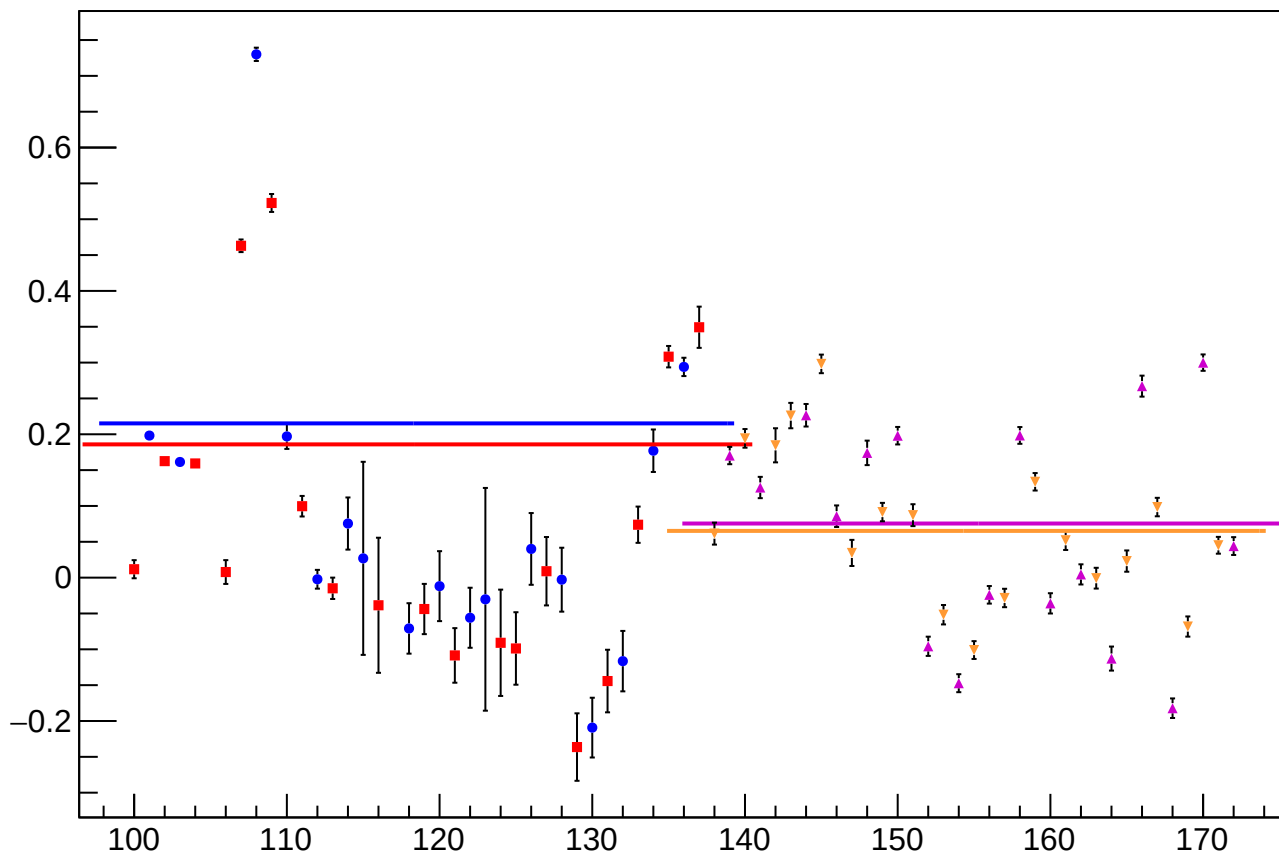
Left In: 49.385 $\pm$ 0.073 χ^2/NDF :1425.4/16

+ sign 25.881 $\pm$ 0.048 χ^2/NDF : 325853.3/34

All: 27.349 $\pm$ 0.035 χ^2/NDF : 603927.1/70

- sign 28.959 $\pm$ 0.050 χ^2/NDF : 276113.5/35

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.065 ± 0.003 χ^2/NDF : 1005.8/17

Right Out: 0.186 ± 0.003 χ^2/NDF : 2718.1/18

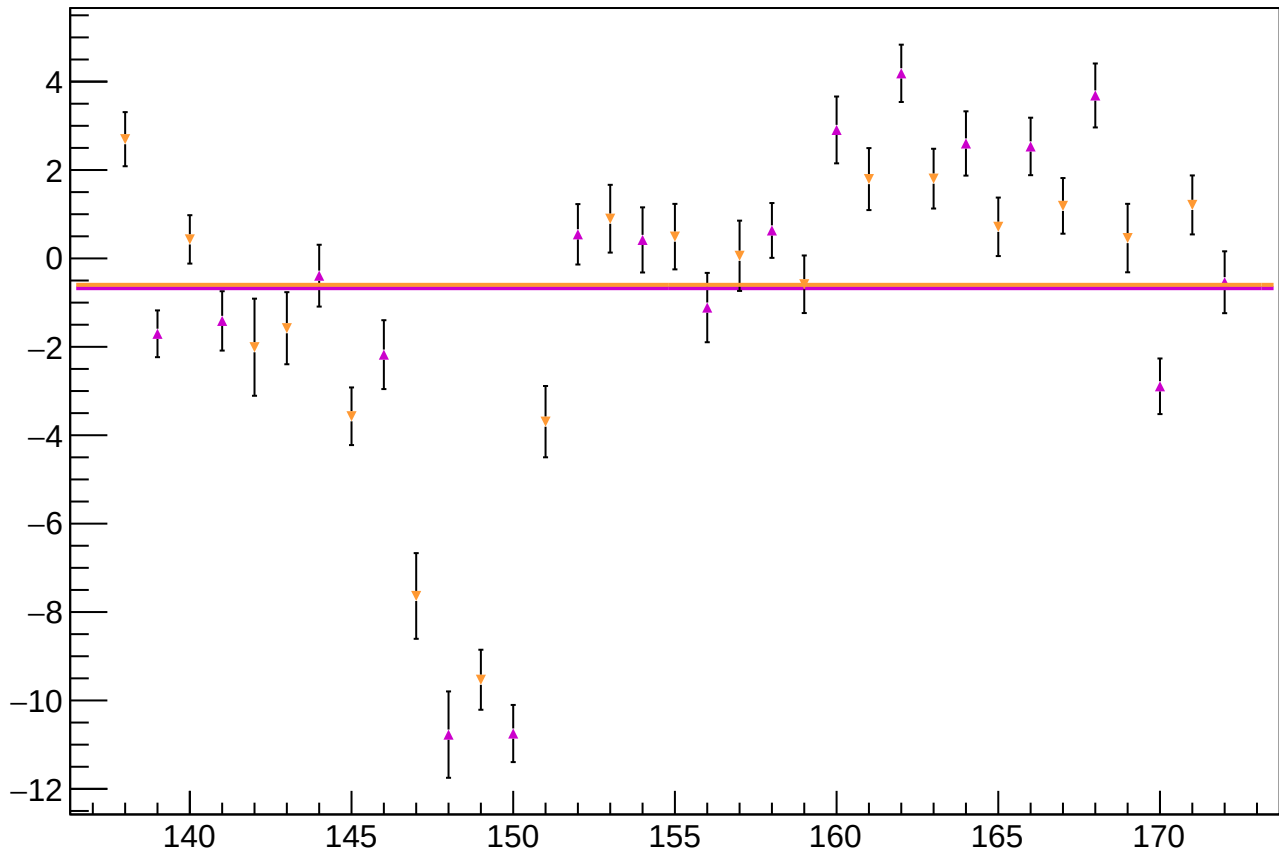
Left In: 0.076 ± 0.003 χ^2/NDF : 2087.5/16

+ sign 0.153 ± 0.002 χ^2/NDF : 6147.0/34

All: 0.147 ± 0.001 χ^2/NDF : 11648.9/70

- sign 0.141 ± 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: -0.597 $\pm$ 0.167 χ^2 /NDF:349.1/17

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

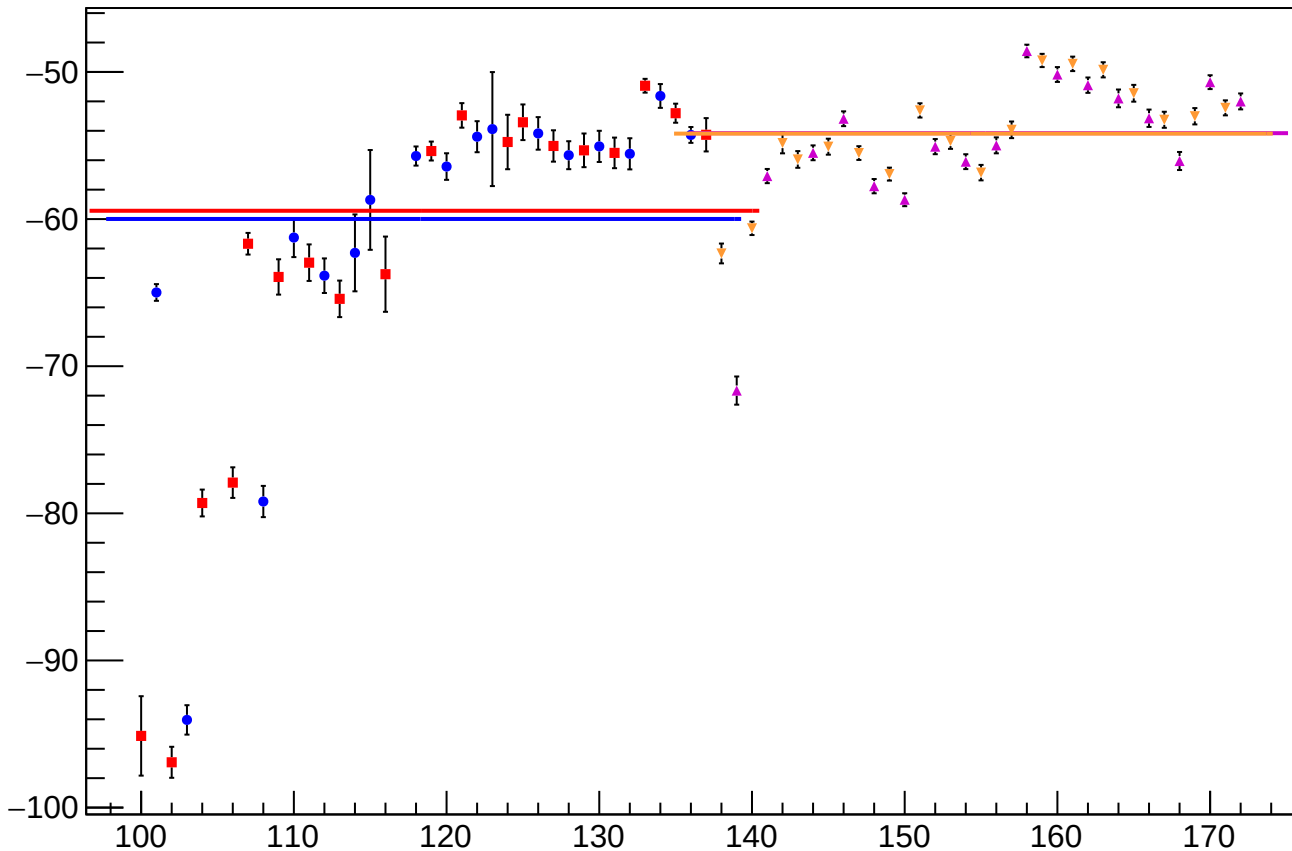
Left In: -0.674 $\pm$ 0.167 χ^2 /NDF:540.7/16

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

All: -0.635 $\pm$ 0.118 χ^2 /NDF: 889.9/34

- 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: -54.191 ± 0.123 χ^2/NDF : 770.0/17

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

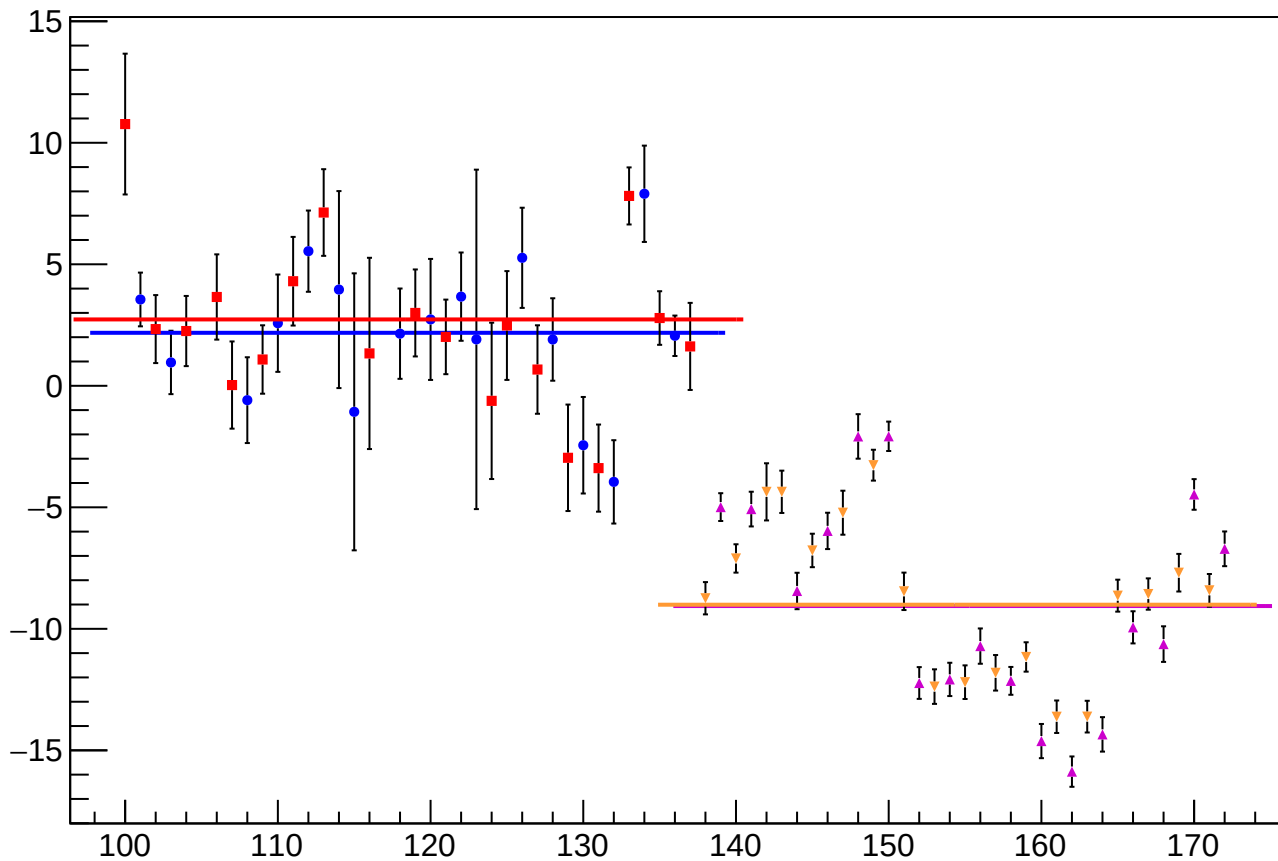
Left In: -54.161 ± 0.126 χ^2/NDF : 931.0/16

+ sign -55.525 ± 0.108 χ^2/NDF : 3255.0/34

All: -55.532 ± 0.076 χ^2/NDF : 7561.3/70

- 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: -9.008 ± 0.165 χ^2/NDF : 338.1/17

Right Out: 2.731 ± 0.388 χ^2/NDF : 58.9/18

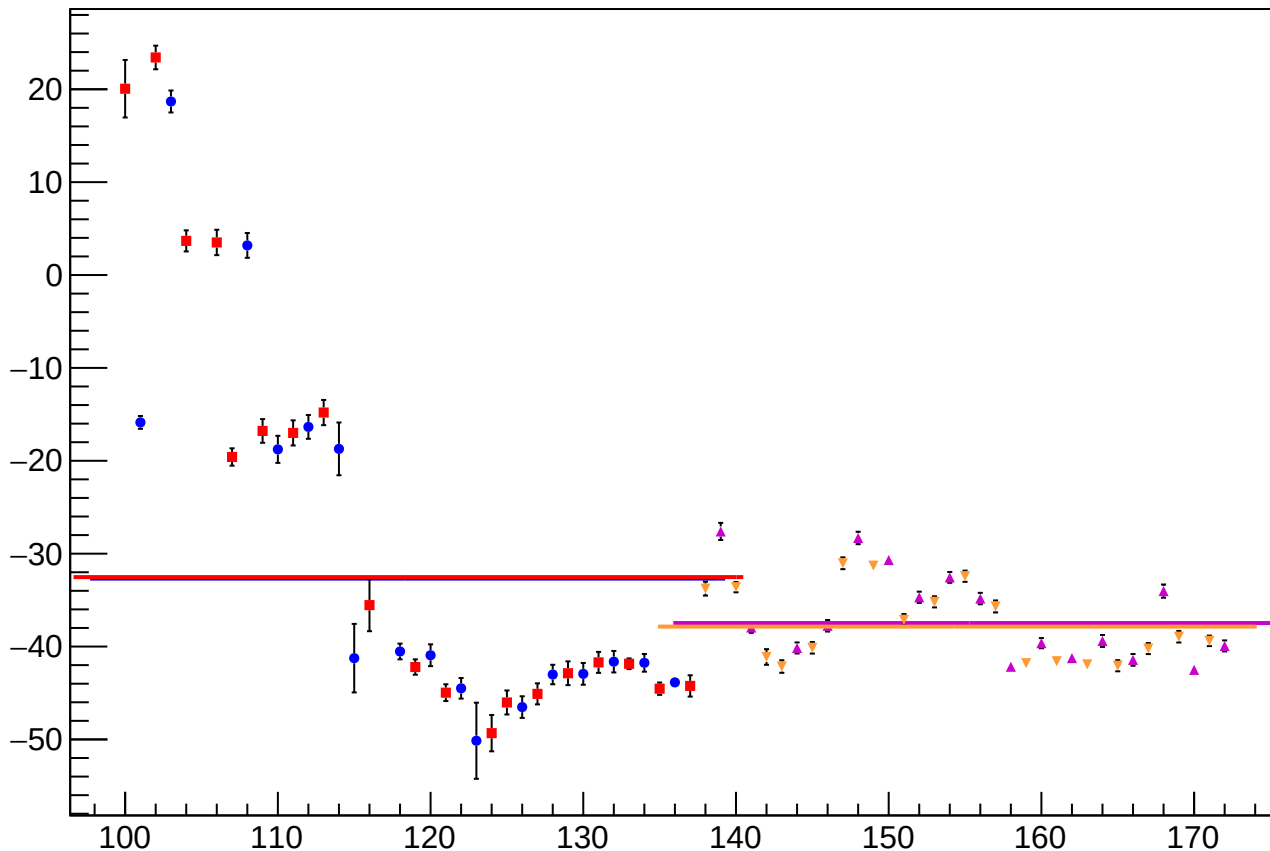
Left In: -9.063 ± 0.164 χ^2/NDF : 675.3/16

+ sign -7.415 ± 0.153 χ^2/NDF : 1029.6/34

All: -7.343 ± 0.108 χ^2/NDF : 2548.1/70

- 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: -37.854 ± 0.141 $\chi^2/\text{NDF}: 791.0/17$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

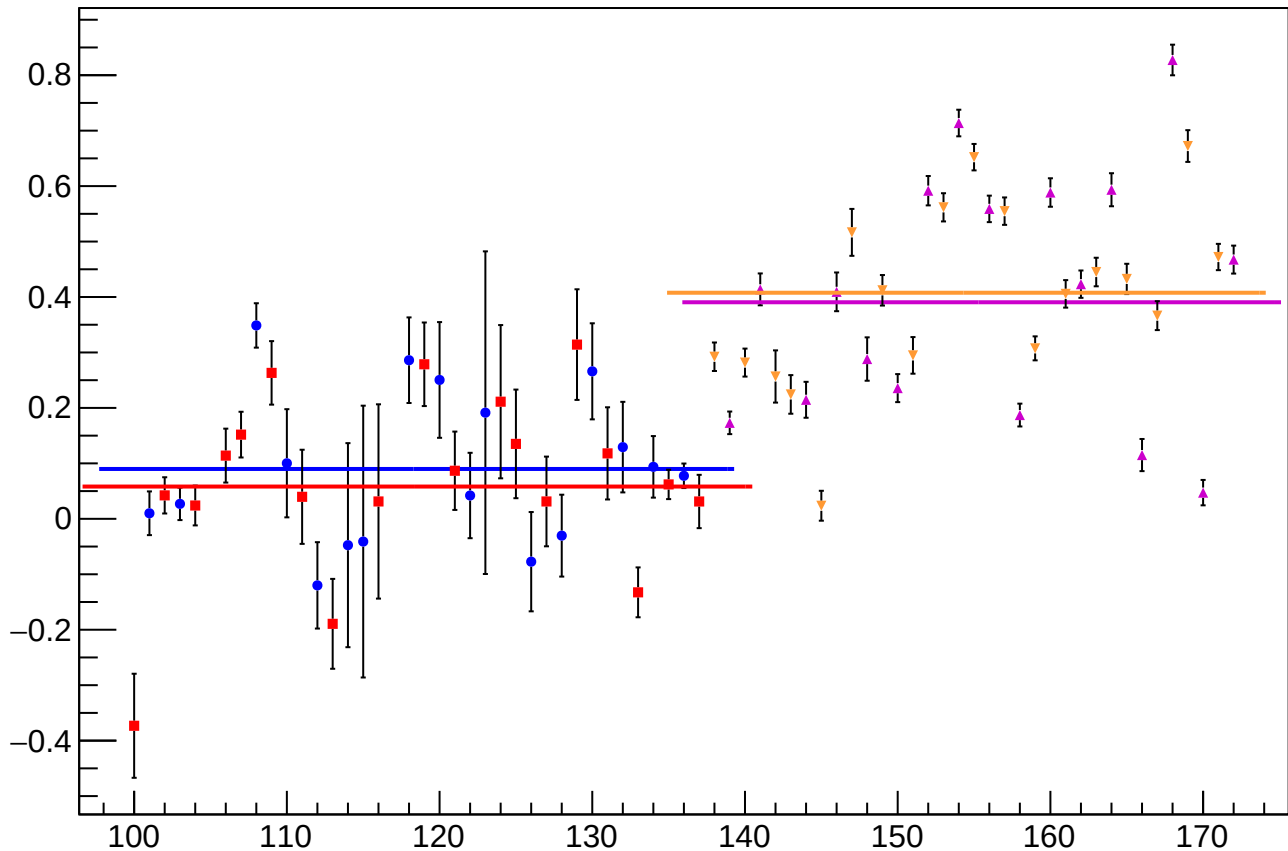
Left In: -37.469 ± 0.143 $\chi^2/\text{NDF}: 969.4/16$

+ sign -36.655 ± 0.123 $\chi^2/\text{NDF}: 5751.9/34$

All: -36.432 ± 0.087 $\chi^2/\text{NDF}: 13079.5/70$

- 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 χ^2/NDF : 78.8/16

Left Out: 0.408 ± 0.006 χ^2/NDF : 601.4/17

Right Out: 0.058 ± 0.012 χ^2/NDF : 87.1/18

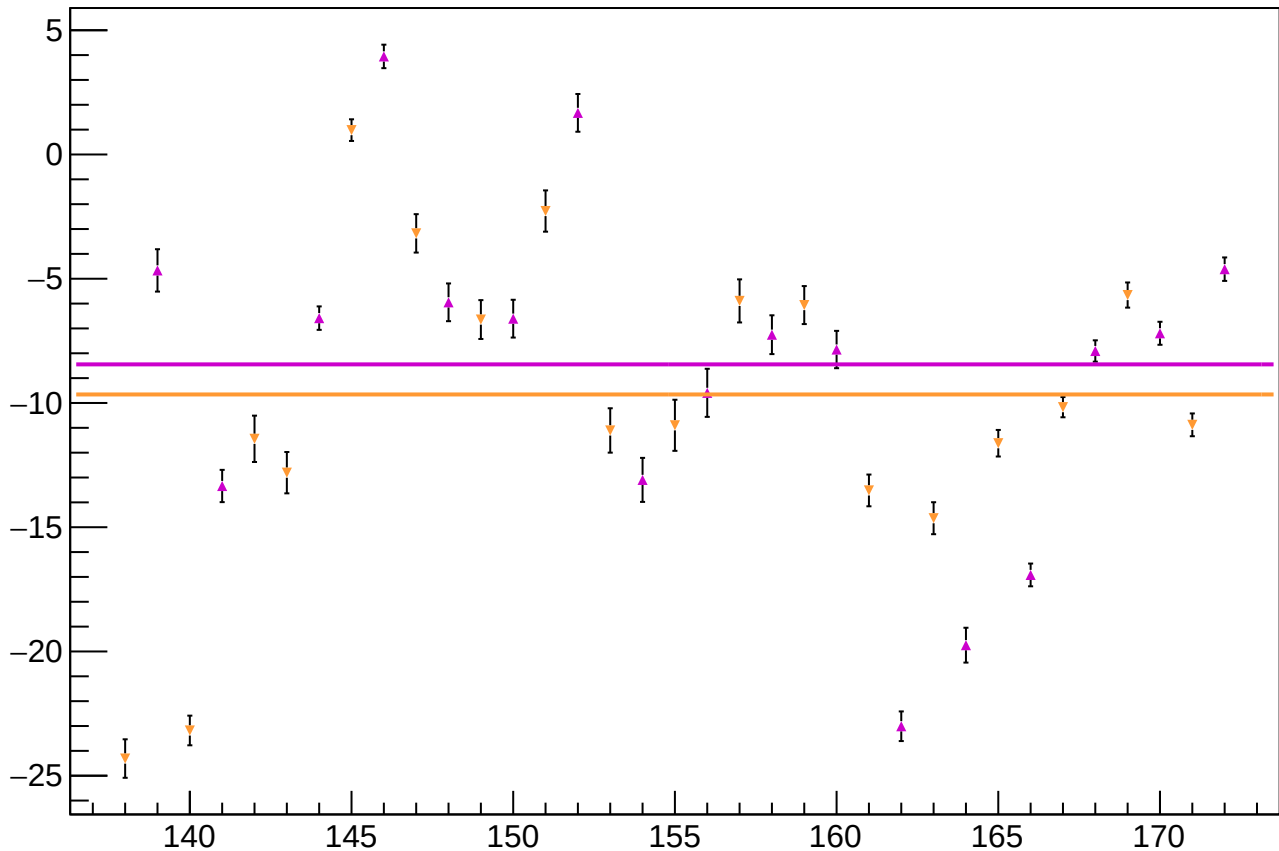
Left In: 0.391 ± 0.006 χ^2/NDF : 1257.6/16

+ sign 0.344 ± 0.006 χ^2/NDF : 1177.3/34

All: 0.332 ± 0.004 χ^2/NDF : 3118.7/70

- sign 0.320 ± 0.006 χ^2/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: -9.657+/-0.148 χ^2/NDF : 1874.9/17

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

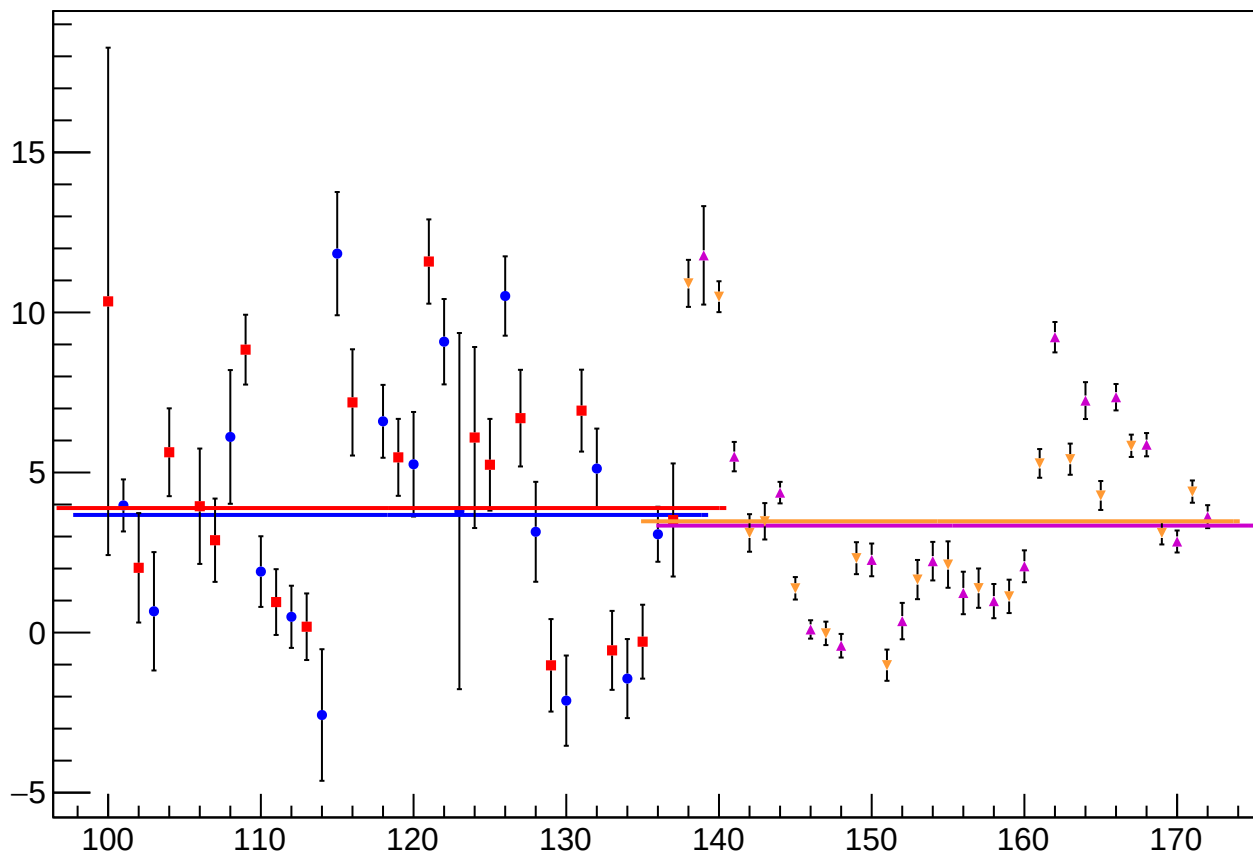
Left In: -8.447+/-0.145 χ^2/NDF : 2278.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -9.036+/-0.104 χ^2/NDF : 4187.8/34

- 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: 3.476 ± 0.108 χ^2/NDF : 664.9/17

Right Out: 3.890 ± 0.316 χ^2/NDF : 133.7/18

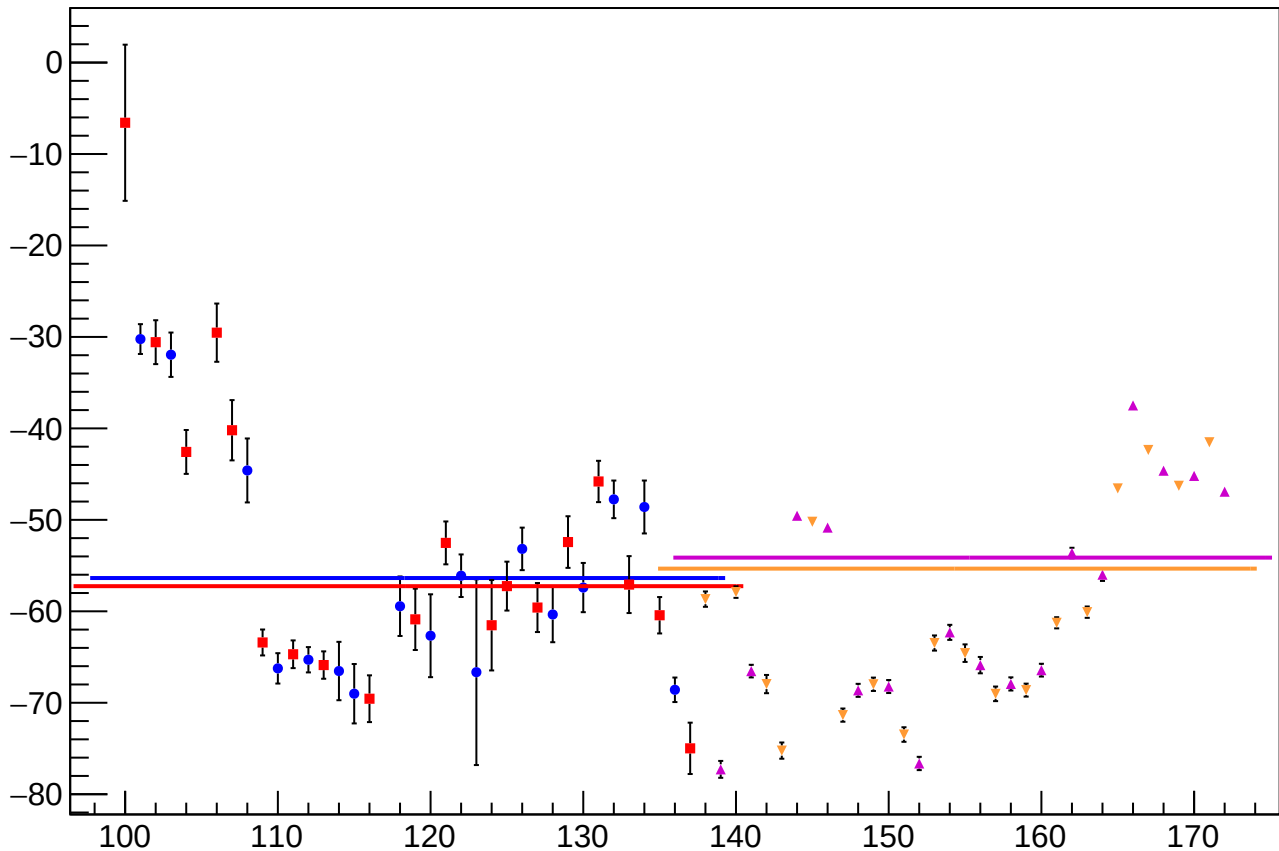
Left In: 3.342 ± 0.105 χ^2/NDF : 709.4/16

+ sign 3.498 ± 0.102 χ^2/NDF : 800.4/34

All: 3.446 ± 0.071 χ^2/NDF : 1646.8/70

- 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: -55.333 ± 0.148 χ^2/NDF : 5576.5/17

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

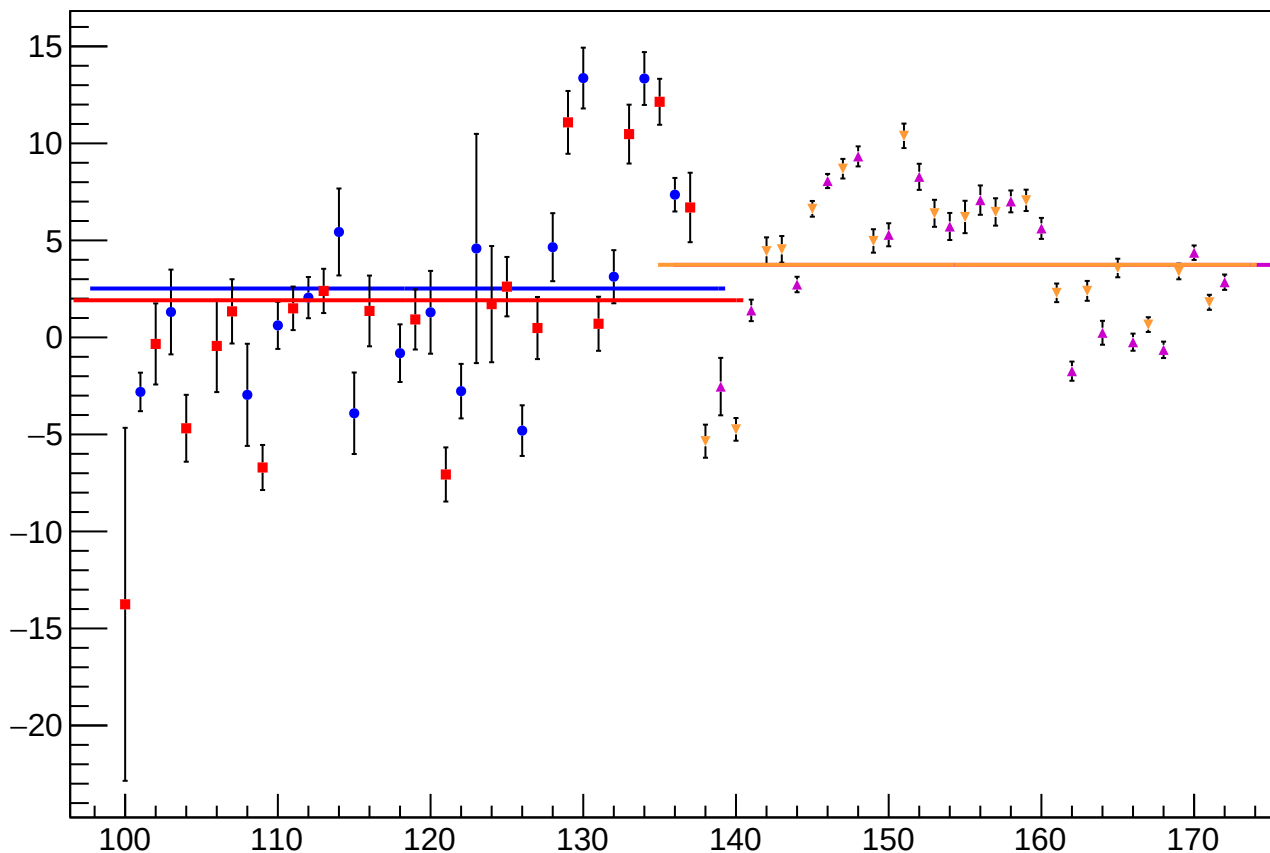
Left In: -54.131 ± 0.143 χ^2/NDF : 6157.8/16

+ sign -55.404 ± 0.143 χ^2/NDF : 6167.1/34

All: -54.855 ± 0.100 χ^2/NDF : 12861.1/70

- 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: 3.741 ± 0.124 χ^2/NDF : 770.2/17

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

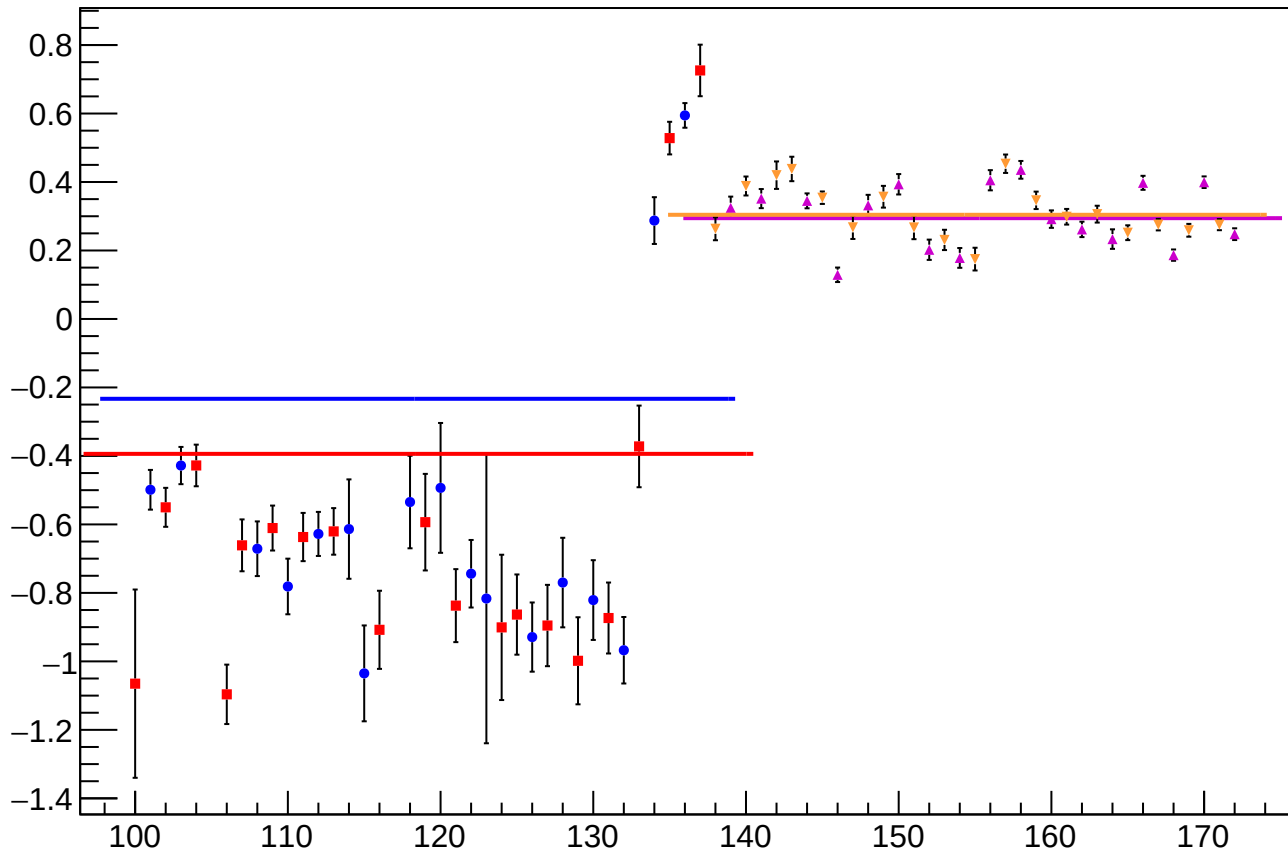
Left In: 3.737 ± 0.122 χ^2/NDF : 777.0/16

+ sign 3.602 ± 0.117 χ^2/NDF : 1023.6/34

All: 3.574 ± 0.082 χ^2/NDF : 2088.9/70

- 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: 0.304 ± 0.006 χ^2/NDF : 118.4/17

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

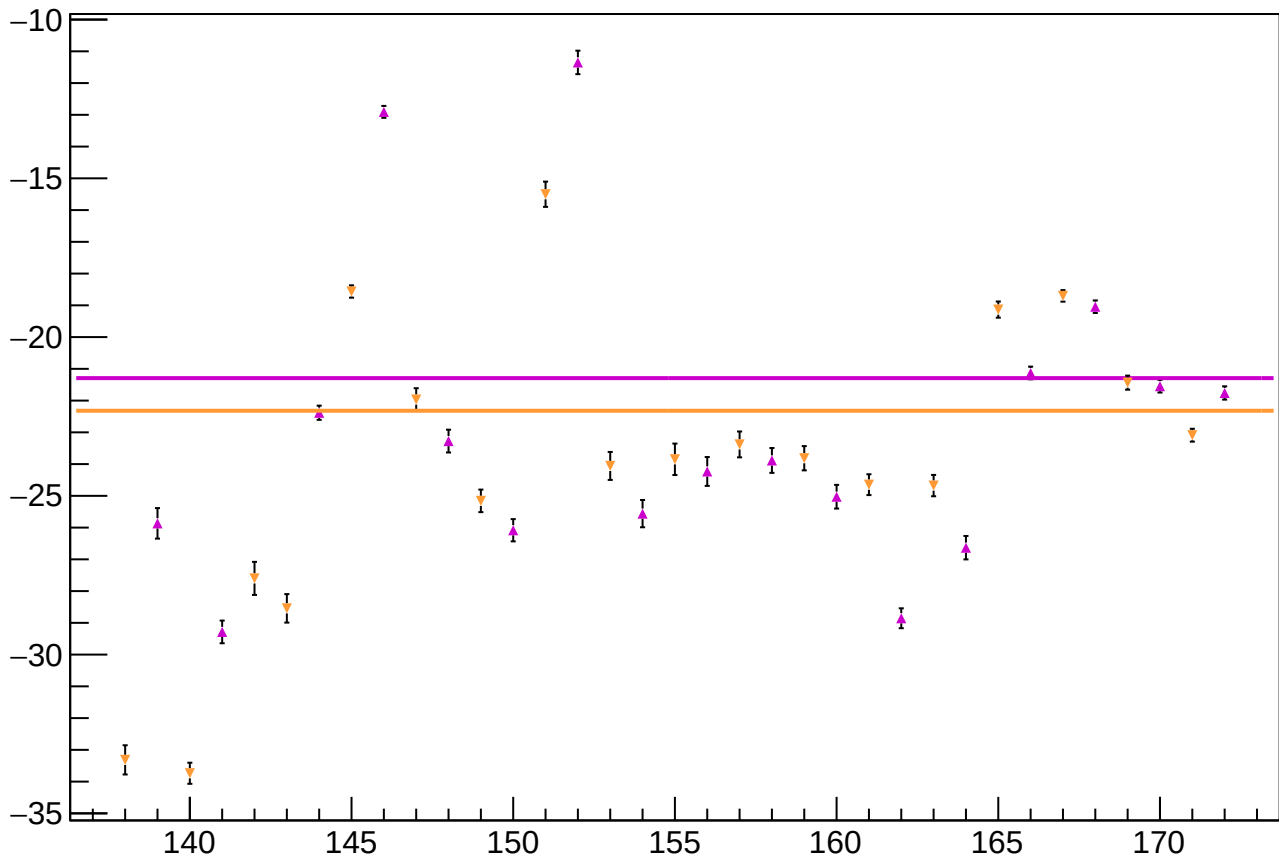
Left In: 0.294 ± 0.006 χ^2/NDF : 274.5/16

+ sign 0.259 ± 0.006 χ^2/NDF : 1814.7/34

All: 0.248 ± 0.004 χ^2/NDF : 4148.6/70

- 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: -22.320 ± 0.070 χ^2/NDF : 3508.9/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

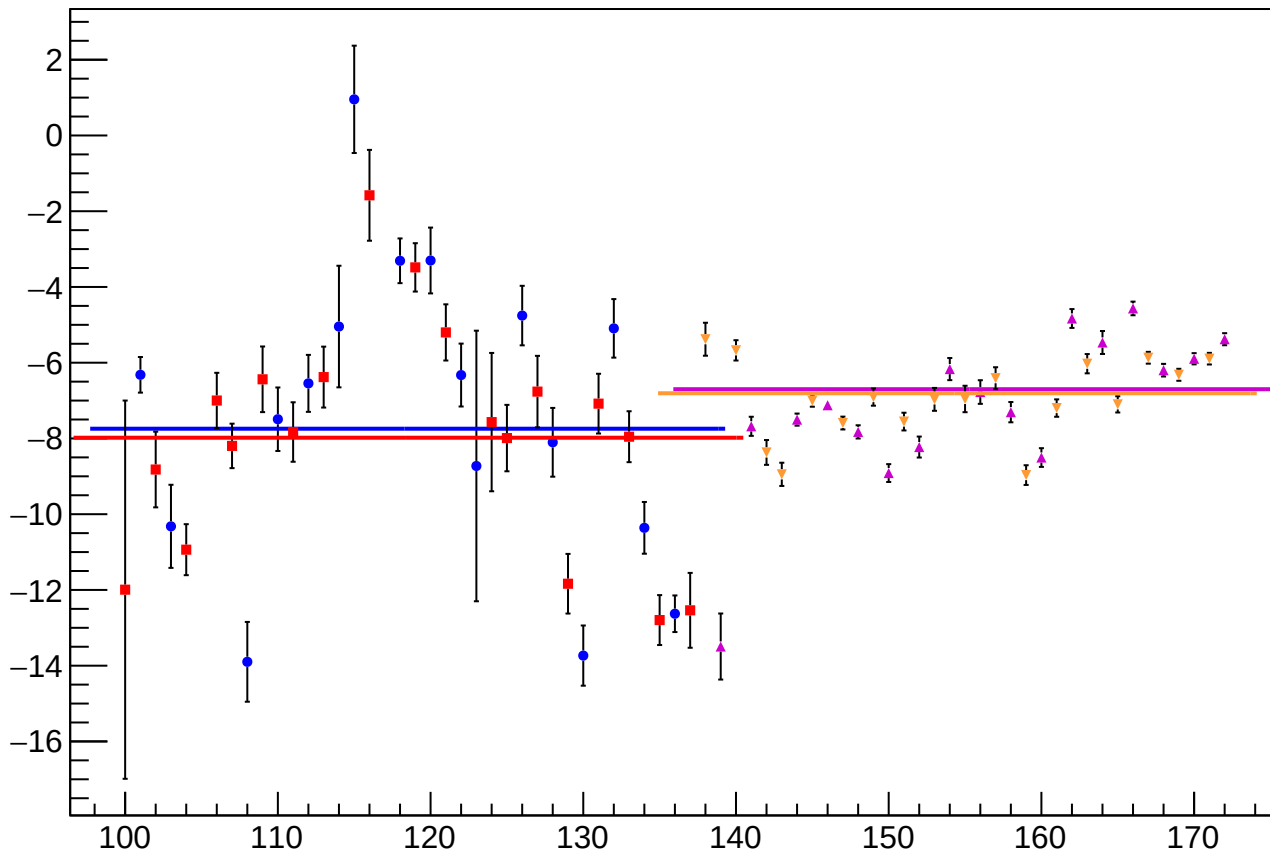
Left In: -21.292 ± 0.067 χ^2/NDF : 4772.5/16

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -21.779 ± 0.048 χ^2/NDF : 8393.4/34

- 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: -6.807 ± 0.052 χ^2/NDF : 300.1/17

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

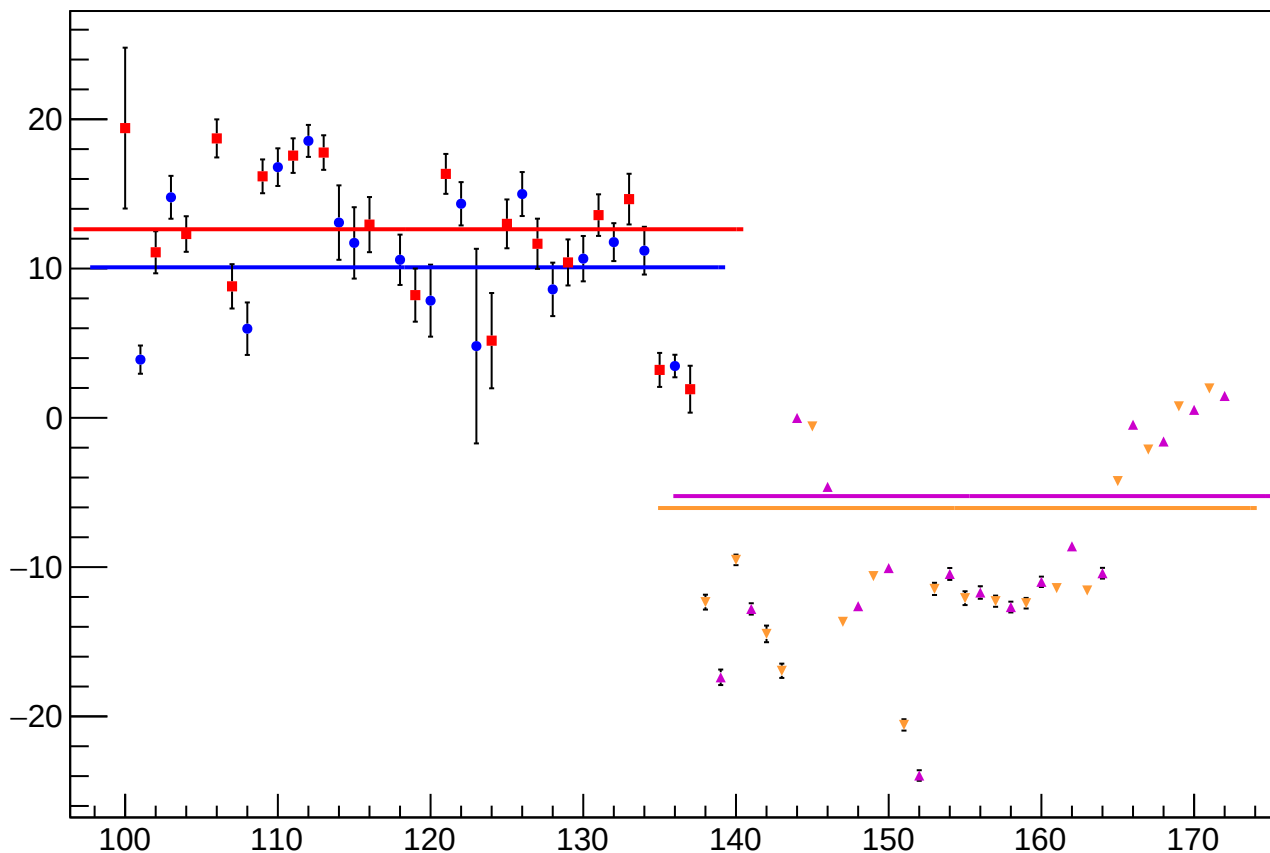
Left In: -6.700 ± 0.049 χ^2/NDF : 657.1/16

+ sign -6.873 ± 0.050 χ^2/NDF : 700.9/34

All: -6.825 ± 0.034 χ^2/NDF : 1627.8/70

- 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: -6.042 ± 0.070 χ^2/NDF : 8381.7/17

Right Out: 12.632 ± 0.333 χ^2/NDF : 218.6/18

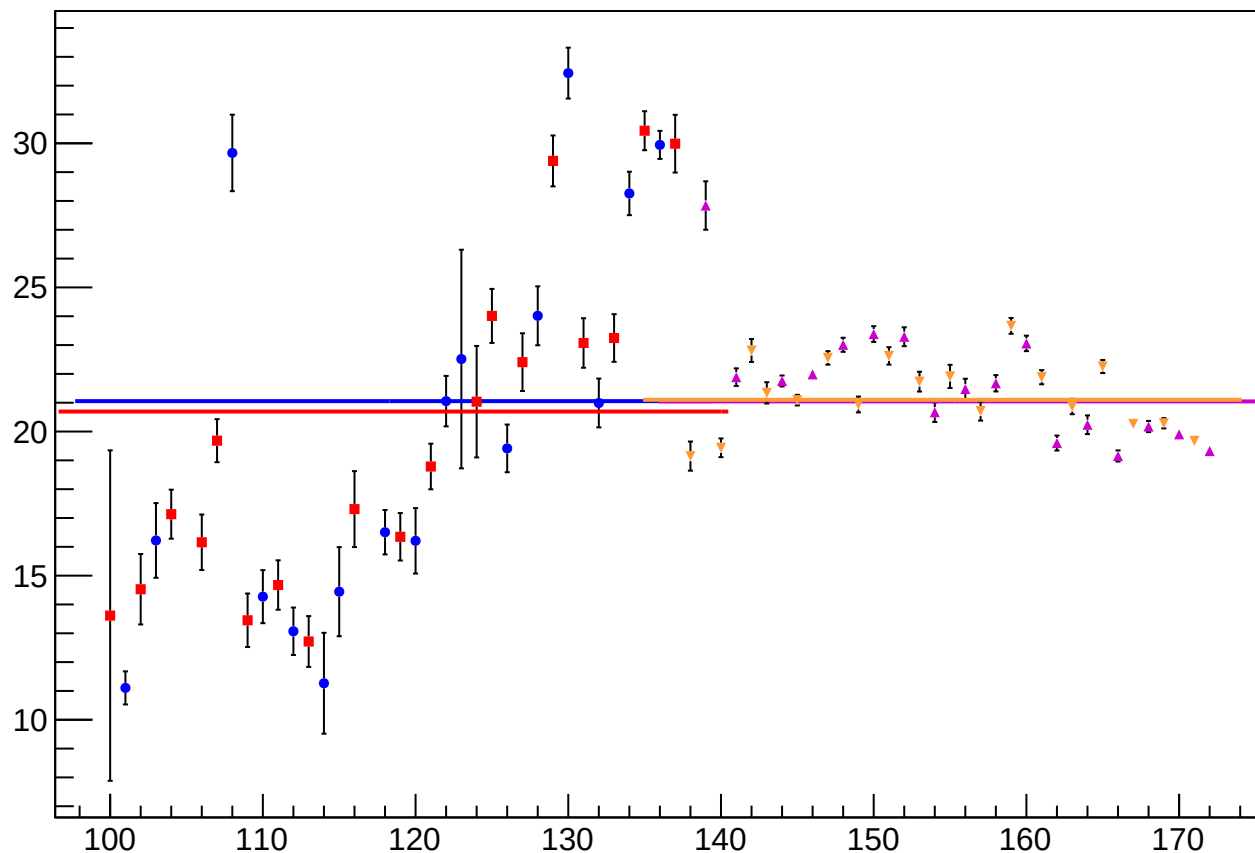
Left In: -5.243 ± 0.066 χ^2/NDF : 9062.3/16

+ sign -5.373 ± 0.069 χ^2/NDF : 10816.9/34

All: -4.943 ± 0.047 χ^2/NDF : 22948.4/70

- 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: 21.100 $\pm$ 0.059 χ^2 /NDF:372.0/17

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

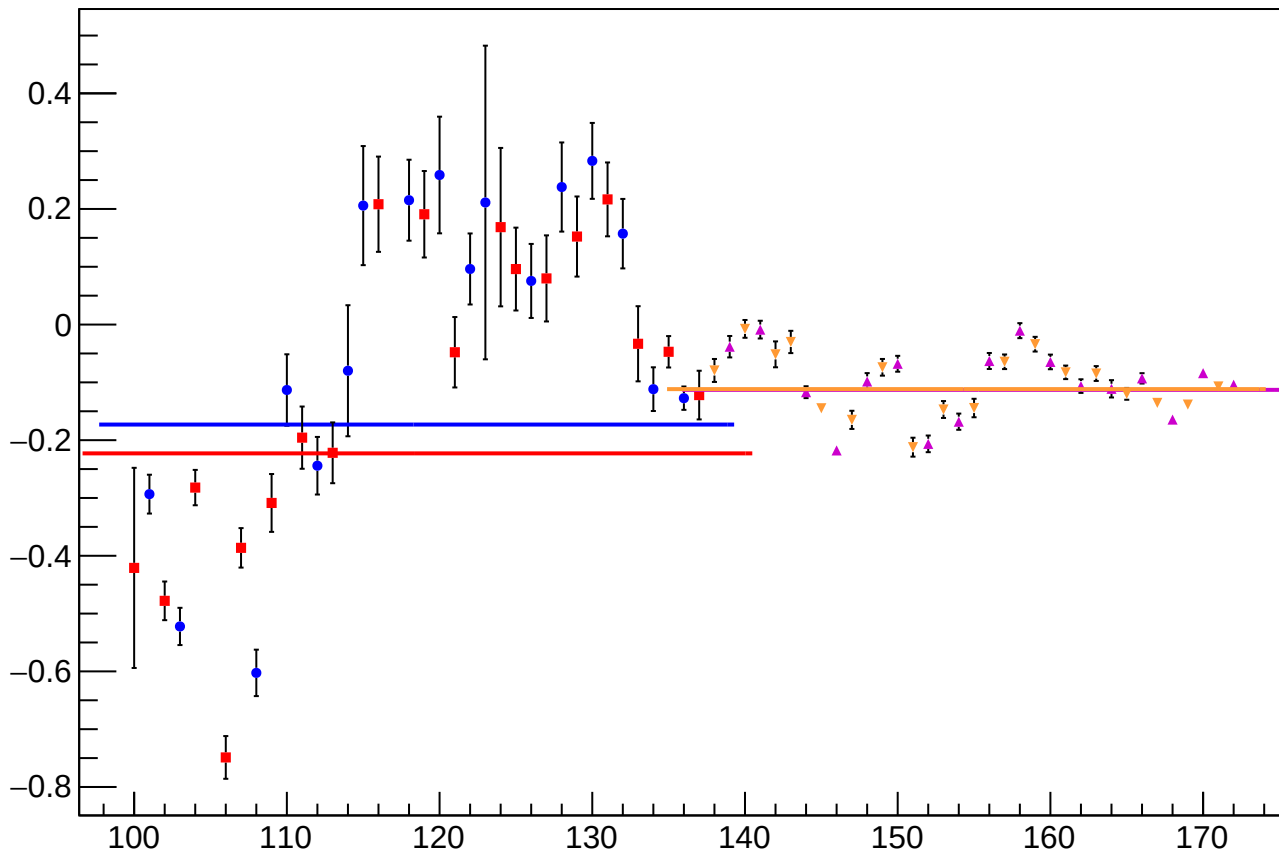
Left In: 21.045 $\pm$ 0.056 χ^2 /NDF:676.6/16

+ sign 21.097 $\pm$ 0.057 χ^2 /NDF: 1583.8/34

All: 21.058 $\pm$ 0.039 χ^2 /NDF: 2988.0/70

- 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 χ^2/NDF : 461.8/16

Left Out: -0.112 ± 0.003 χ^2/NDF : 239.9/17

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

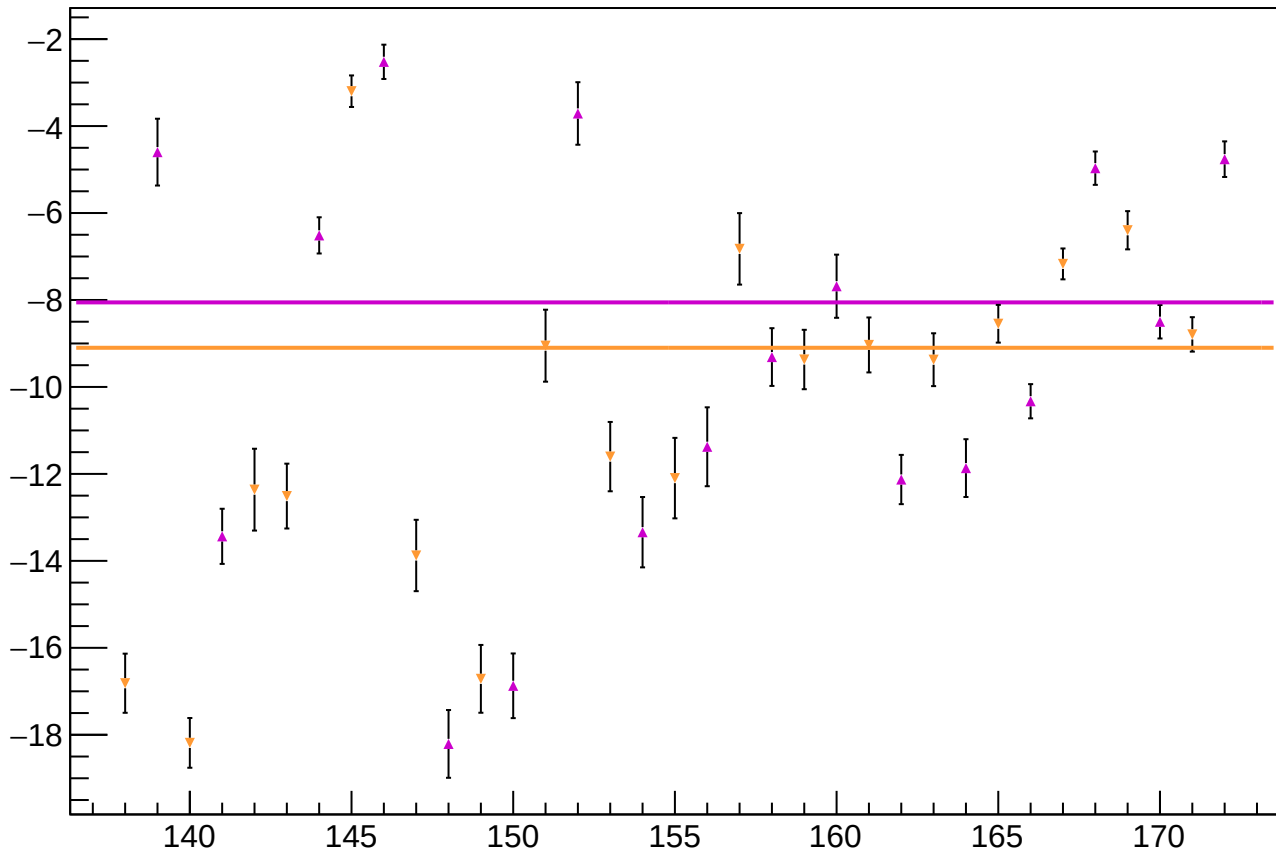
Left In: -0.113 ± 0.003 χ^2/NDF : 444.2/16

+ sign -0.115 ± 0.003 χ^2/NDF : 730.0/34

All: -0.117 ± 0.002 χ^2/NDF : 1805.5/70

- sign -0.119 ± 0.003 χ^2/NDF : 1074.5/35

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.099+/-0.133 χ^2/NDF : 905.8/17

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

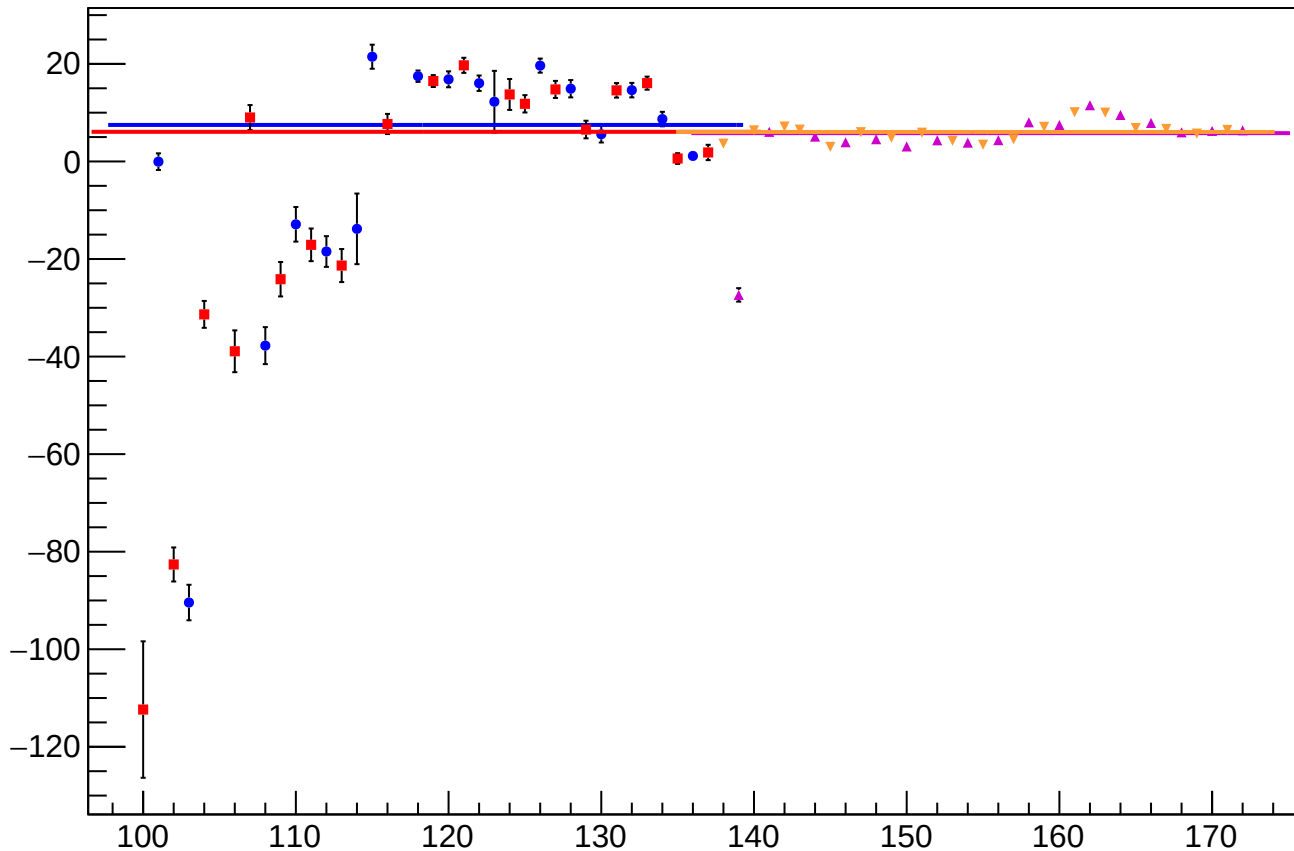
Left In: -8.056+/-0.129 χ^2/NDF : 958.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -8.563+/-0.093 χ^2/NDF : 1895.8/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 6.047 ± 0.098 χ^2/NDF : 345.2/17

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

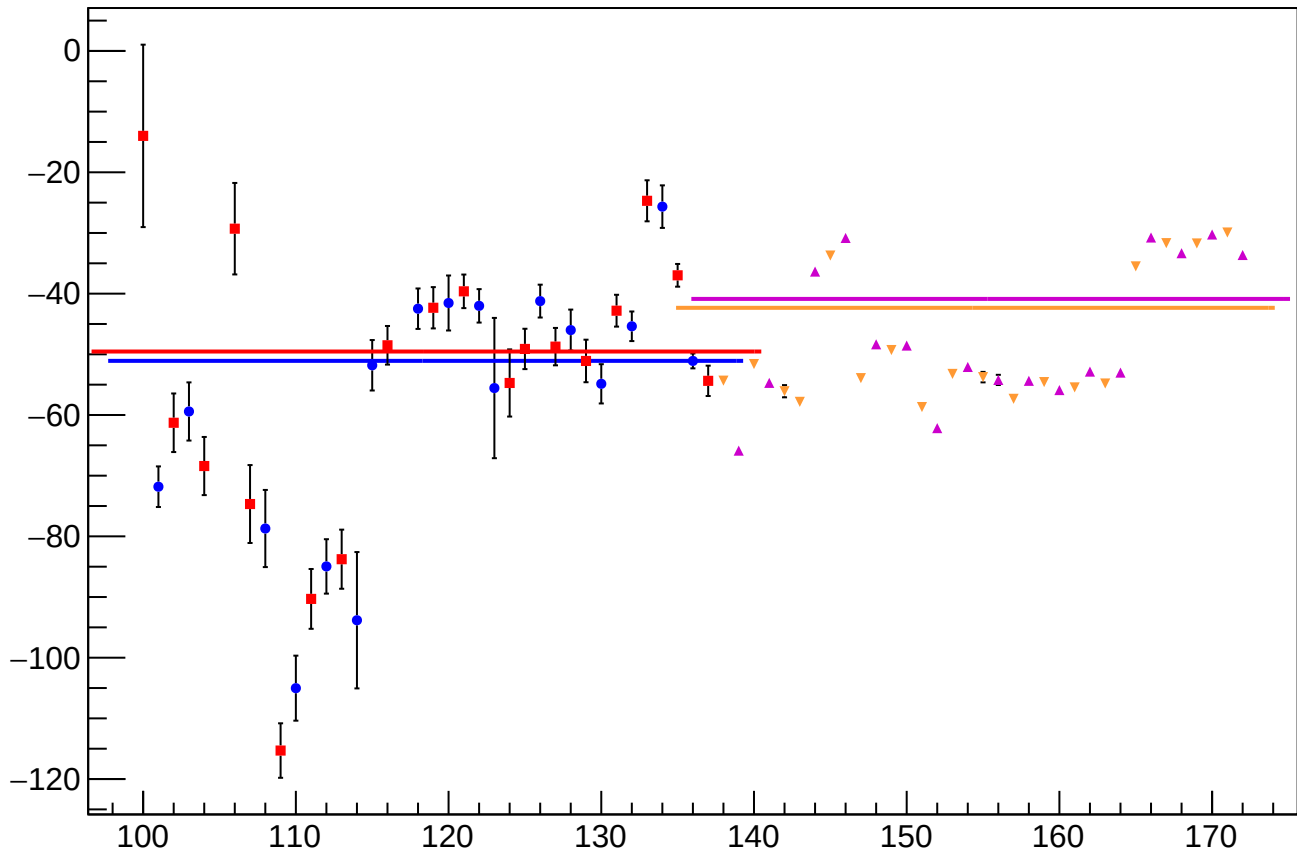
Left In: 5.806 ± 0.095 χ^2/NDF : 987.3/16

+ sign 6.126 ± 0.096 χ^2/NDF : 1697.6/34

All: 5.968 ± 0.067 χ^2/NDF : 4202.7/70

- 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: -42.336 ± 0.133 χ^2/NDF : 7049.1/17

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

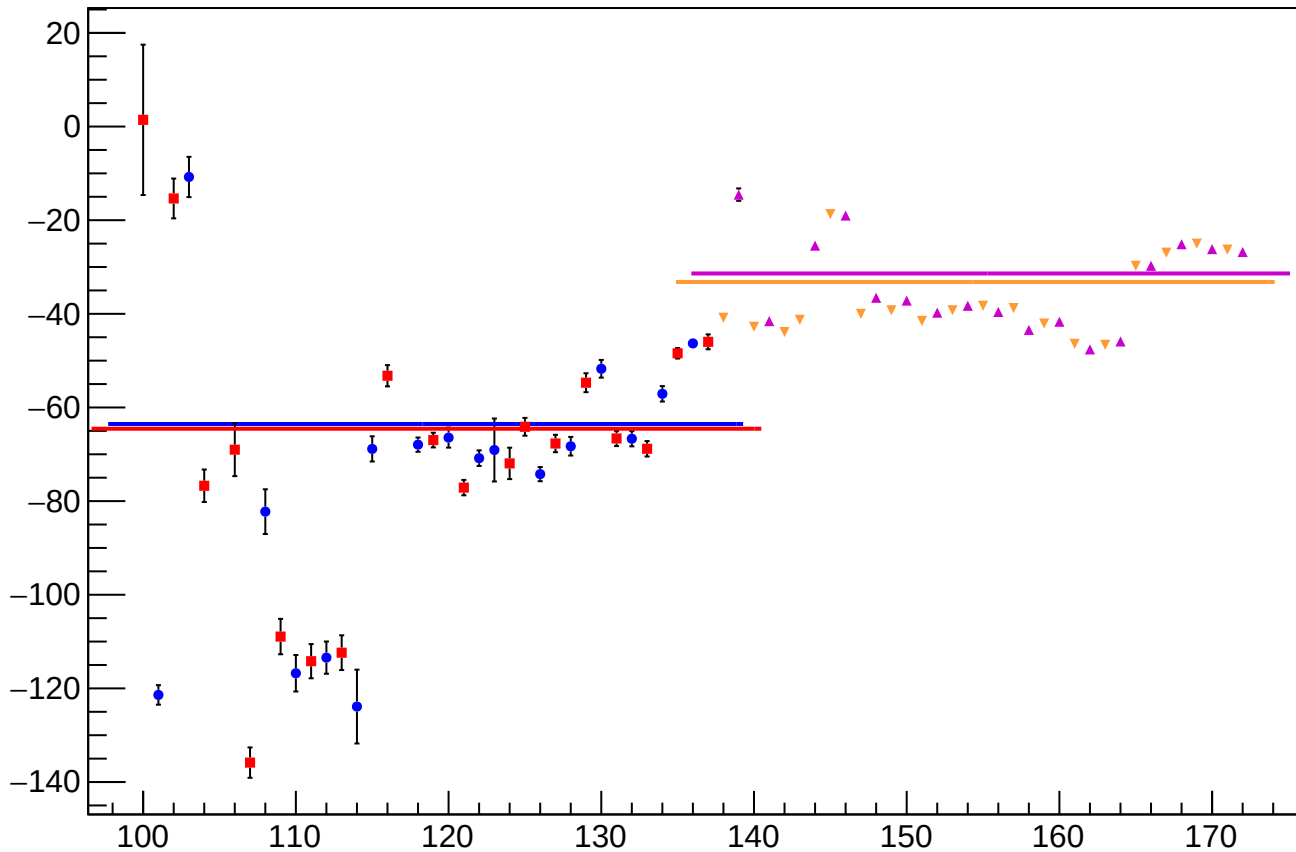
Left In: -40.867 ± 0.128 χ^2/NDF : 7675.7/16

+ sign -42.609 ± 0.131 χ^2/NDF : 7514.1/34

All: -41.821 ± 0.091 χ^2/NDF : 15884.3/70

- 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: -33.189 ± 0.112 χ^2/NDF : 6600.5/17

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

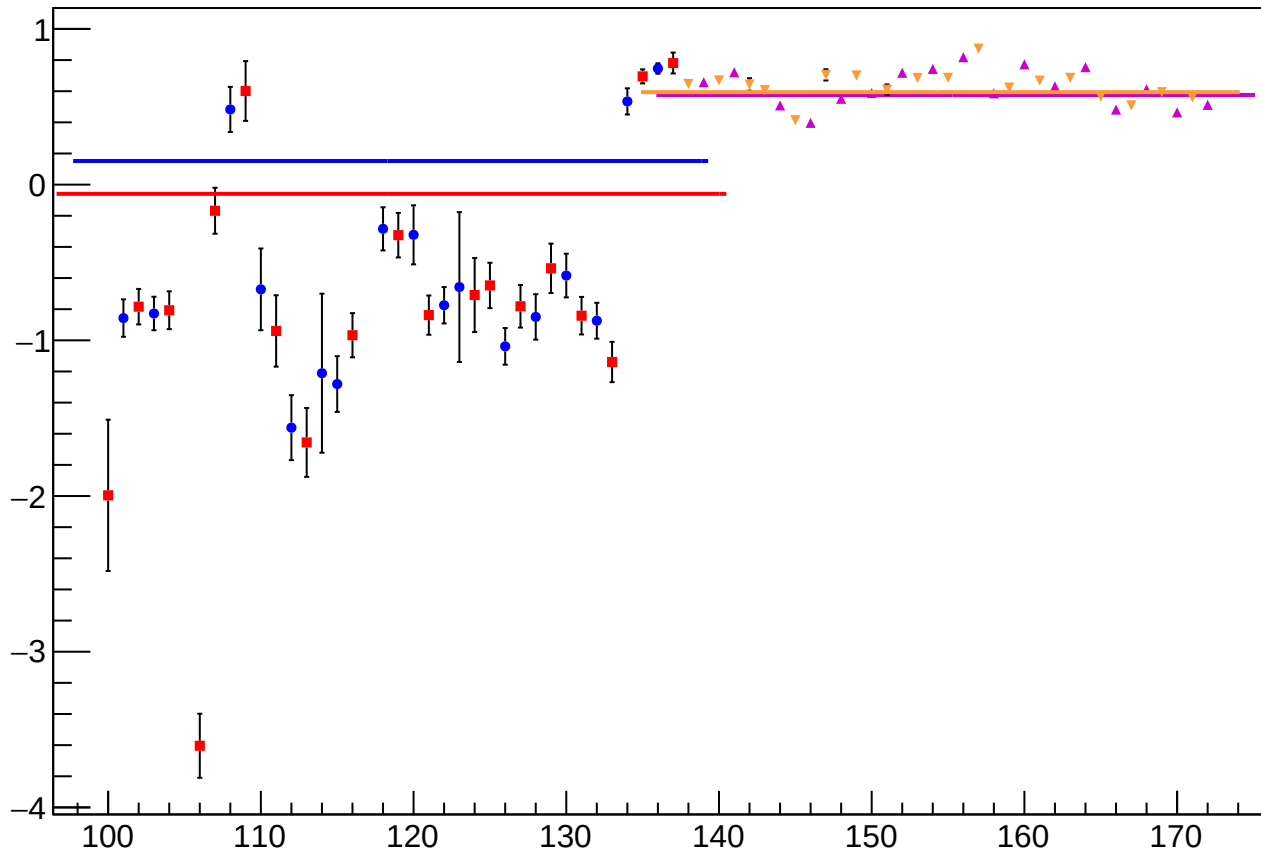
Left In: -31.378 ± 0.109 χ^2/NDF : 6540.6/16

+ sign -34.972 ± 0.109 χ^2/NDF : 12914.5/34

All: -33.961 ± 0.076 χ^2/NDF : 25712.5/70

- 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: 0.594 ± 0.005 $\chi^2/\text{NDF}: 386.4/17$

Right Out: -0.059 ± 0.026 $\chi^2/\text{NDF}: 1161.9/18$

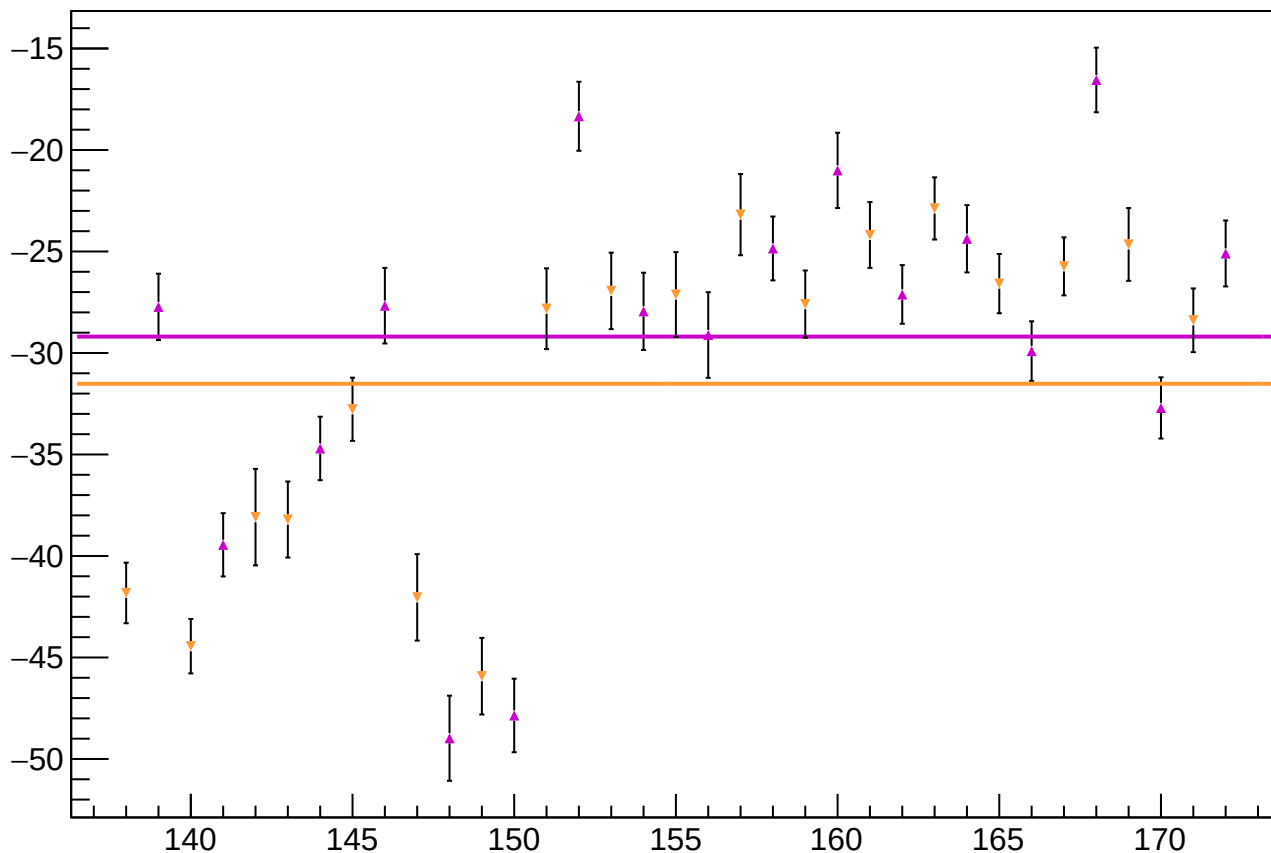
Left In: 0.576 ± 0.005 $\chi^2/\text{NDF}: 523.1/16$

+ sign 0.575 ± 0.005 $\chi^2/\text{NDF}: 1697.7/34$

All: 0.564 ± 0.004 $\chi^2/\text{NDF}: 3954.4/70$

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: -31.515+/-0.400 χ^2/NDF : 379.7/17

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

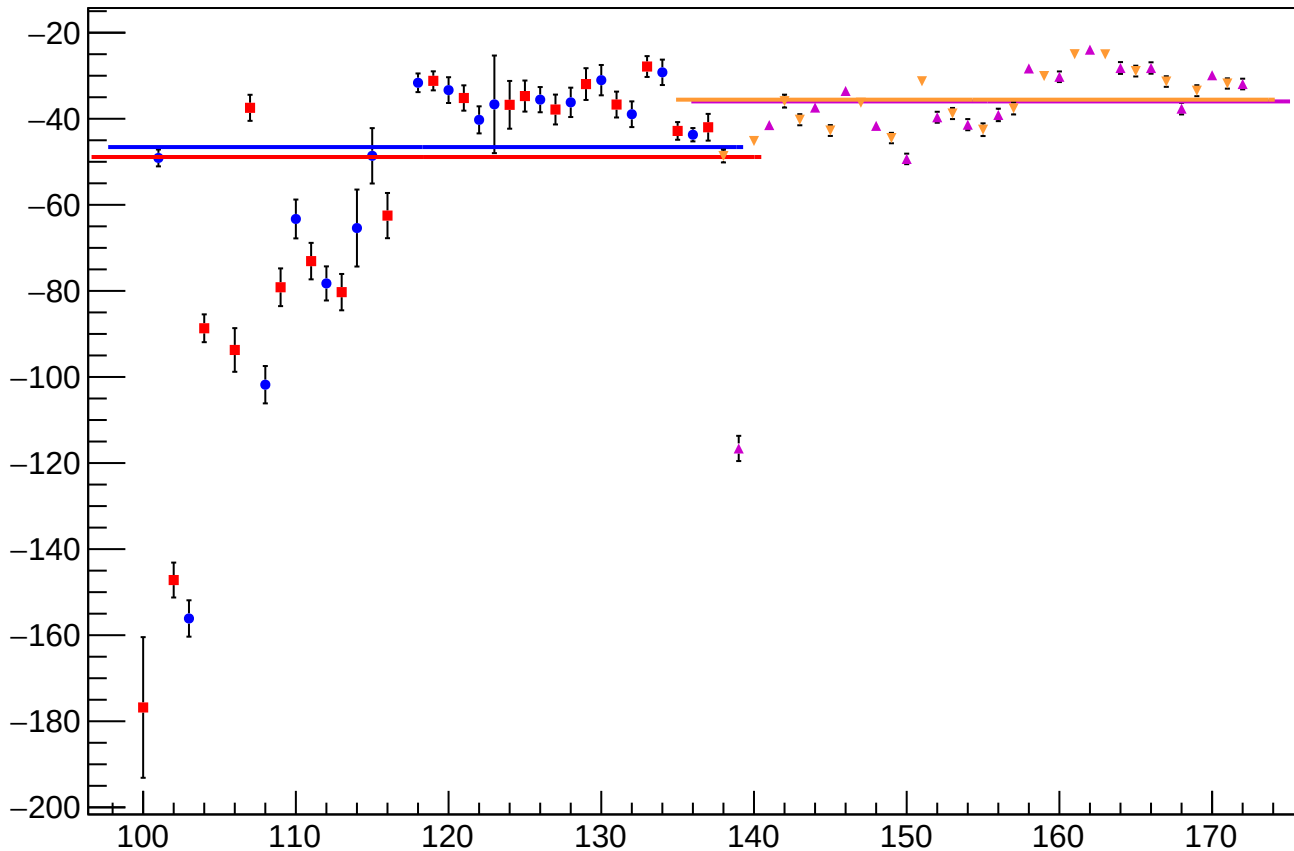
Left In: -29.193+/-0.406 χ^2/NDF : 406.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -30.369+/-0.285 χ^2/NDF : 802.6/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -35.565 ± 0.291 χ^2/NDF : 542.3/17

Right Out: -48.888 ± 0.763 χ^2/NDF : 1277.5/18

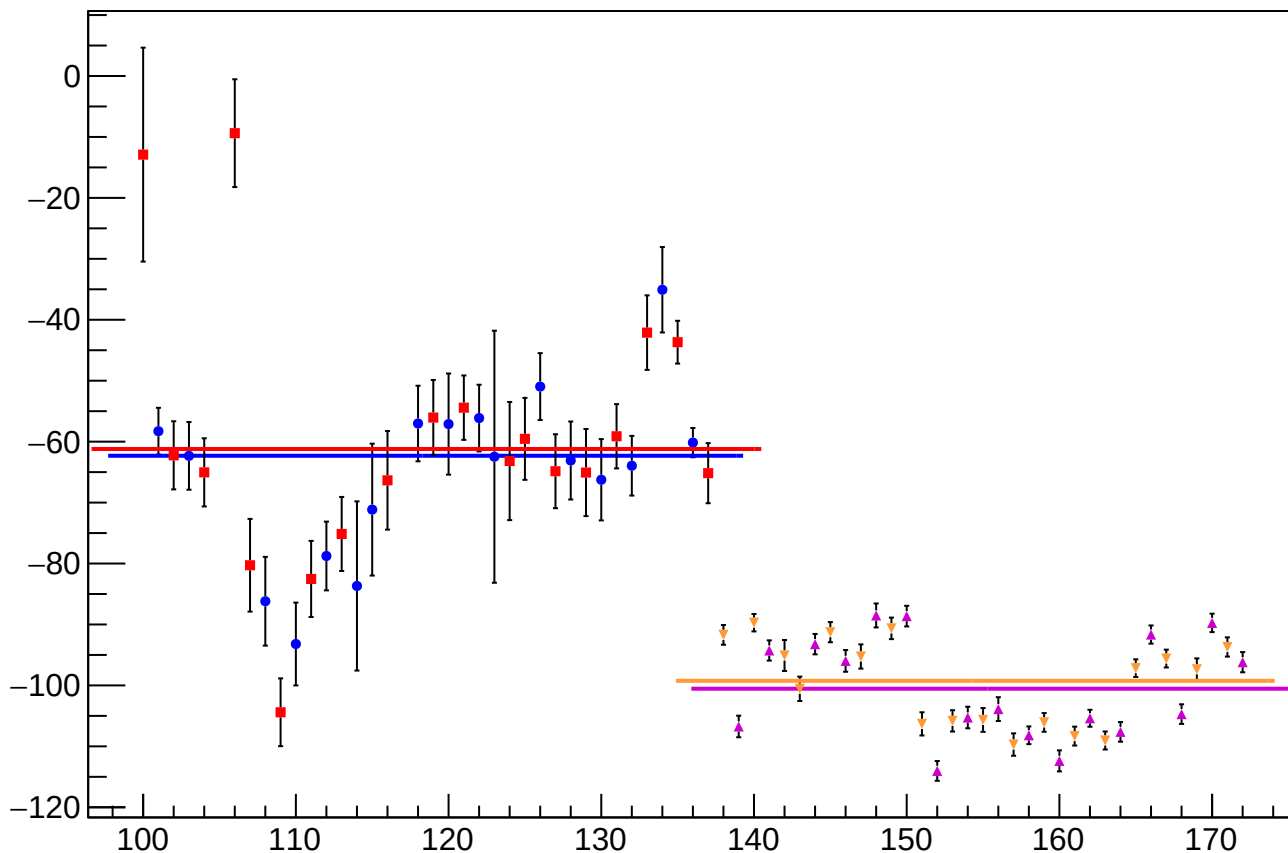
Left In: -35.973 ± 0.299 χ^2/NDF : 1255.8/16

+ sign -37.078 ± 0.270 χ^2/NDF : 1815.3/34

All: -37.377 ± 0.194 χ^2/NDF : 4599.1/70

- 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 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -99.242 ± 0.397 $\chi^2/\text{NDF}: 311.3/17$

Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$

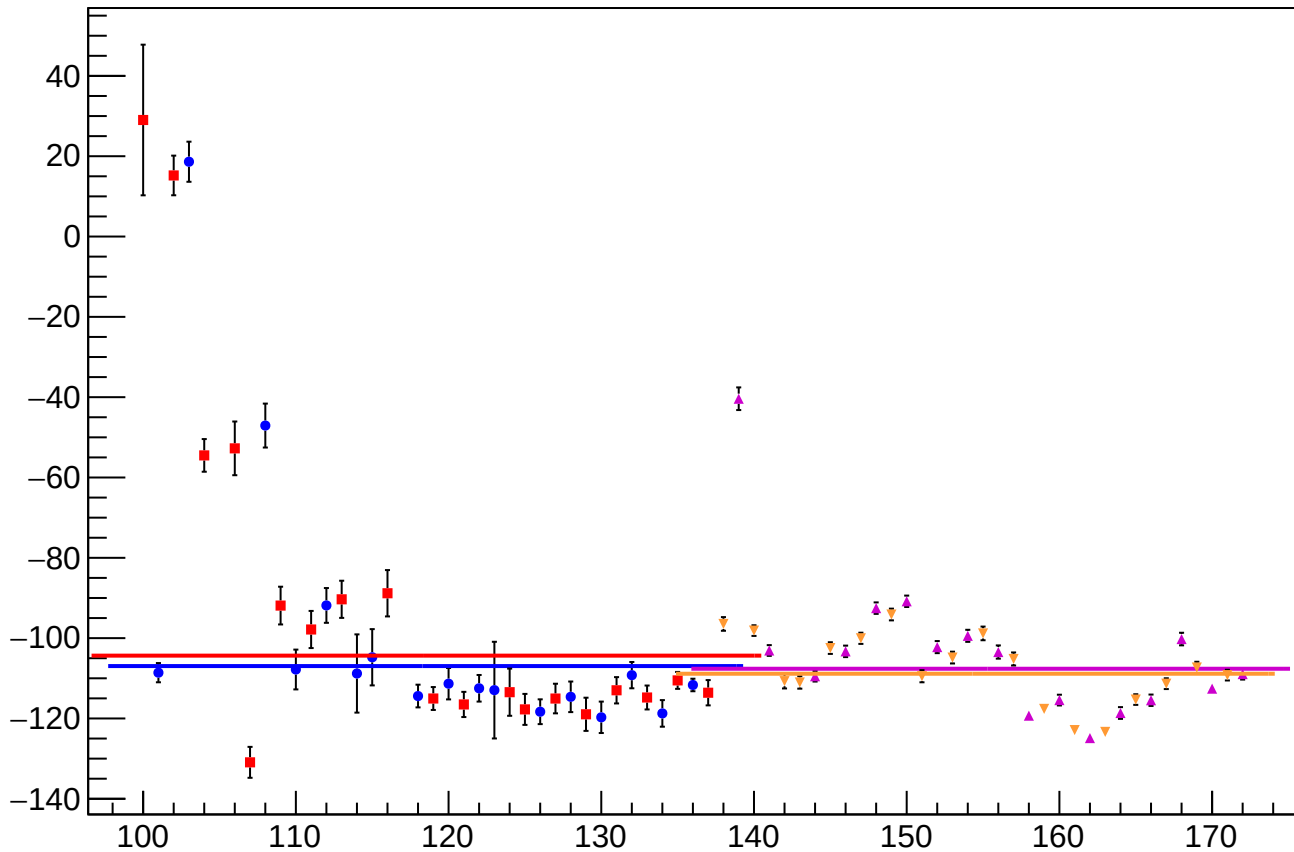
Left In: -100.539 ± 0.399 $\chi^2/\text{NDF}: 424.1/16$

+ sign -96.154 ± 0.380 $\chi^2/\text{NDF}: 1100.4/34$

All: -96.822 ± 0.270 $\chi^2/\text{NDF}: 2444.4/70$

- sign -97.502 ± 0.384 $\chi^2/\text{NDF}: 1337.8/35$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -108.863 ± 0.334 χ^2/NDF : 686.0/17

Right Out: -104.356 ± 0.861 χ^2/NDF : 1021.0/18

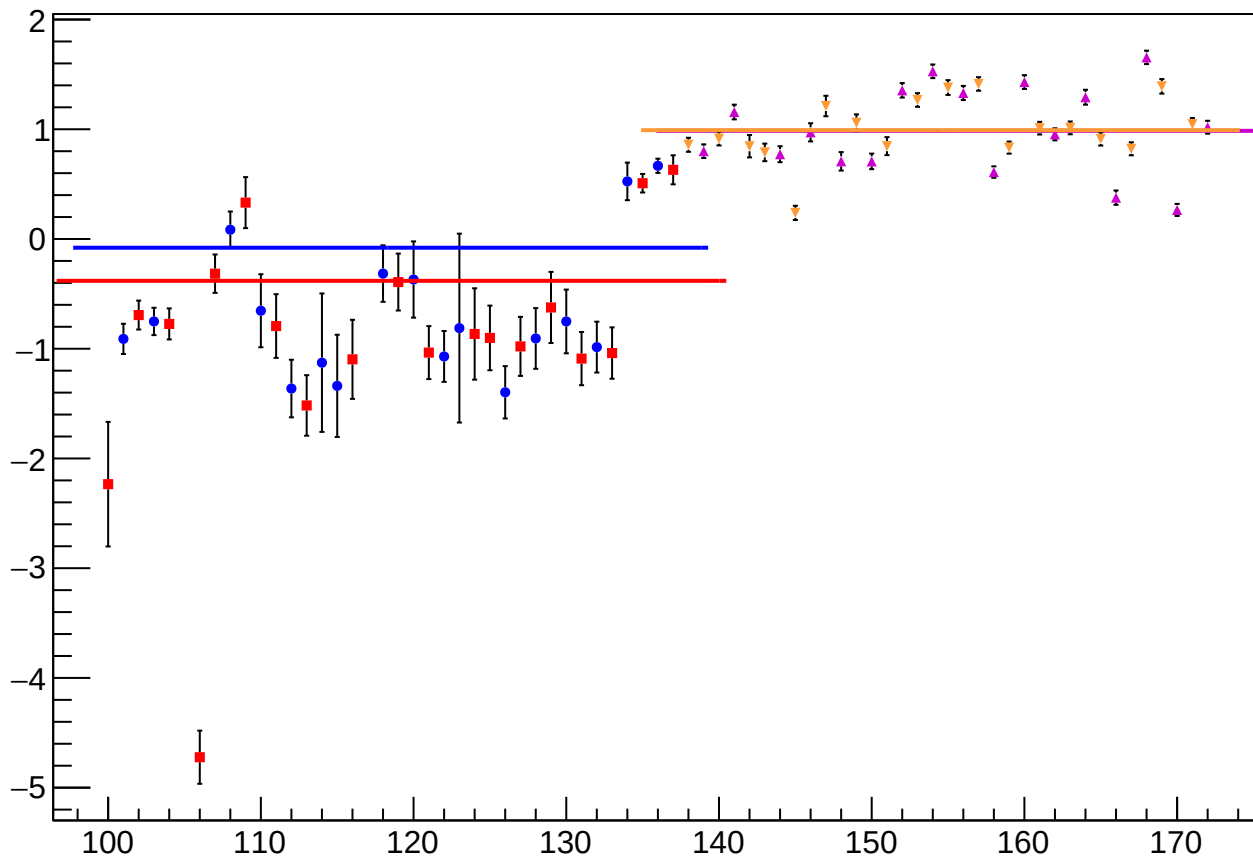
Left In: -107.621 ± 0.341 χ^2/NDF : 1363.2/16

+ sign -108.589 ± 0.310 χ^2/NDF : 1518.0/34

All: -107.901 ± 0.222 χ^2/NDF : 3924.7/70

- 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: 0.991 ± 0.015 χ^2/NDF : 313.1/17

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

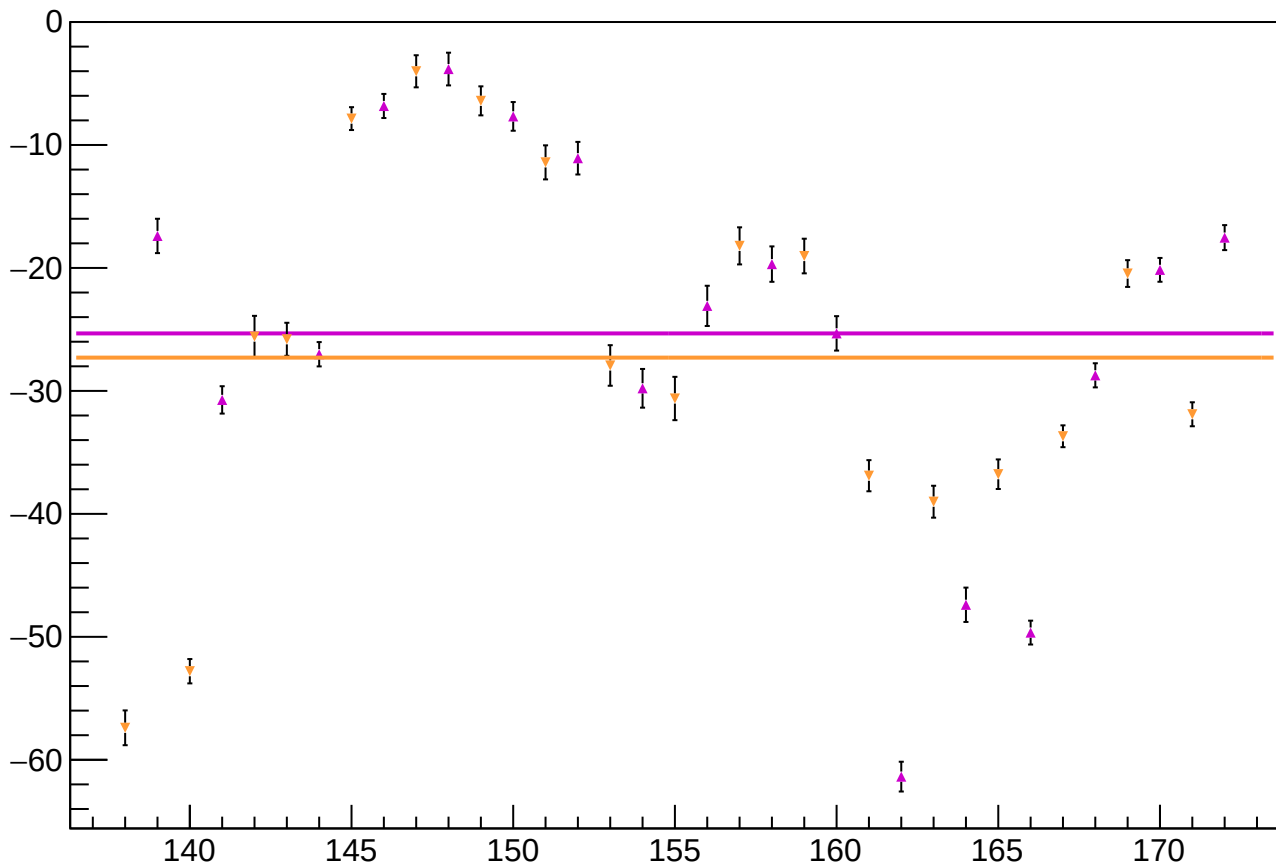
Left In: 0.986 ± 0.015 χ^2/NDF : 687.1/16

+ sign 0.865 ± 0.015 χ^2/NDF : 1208.0/34

All: 0.850 ± 0.010 χ^2/NDF : 3336.1/70

- 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: -27.293 $\pm$ 0.287 χ^2 /NDF: 2708.0/17

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

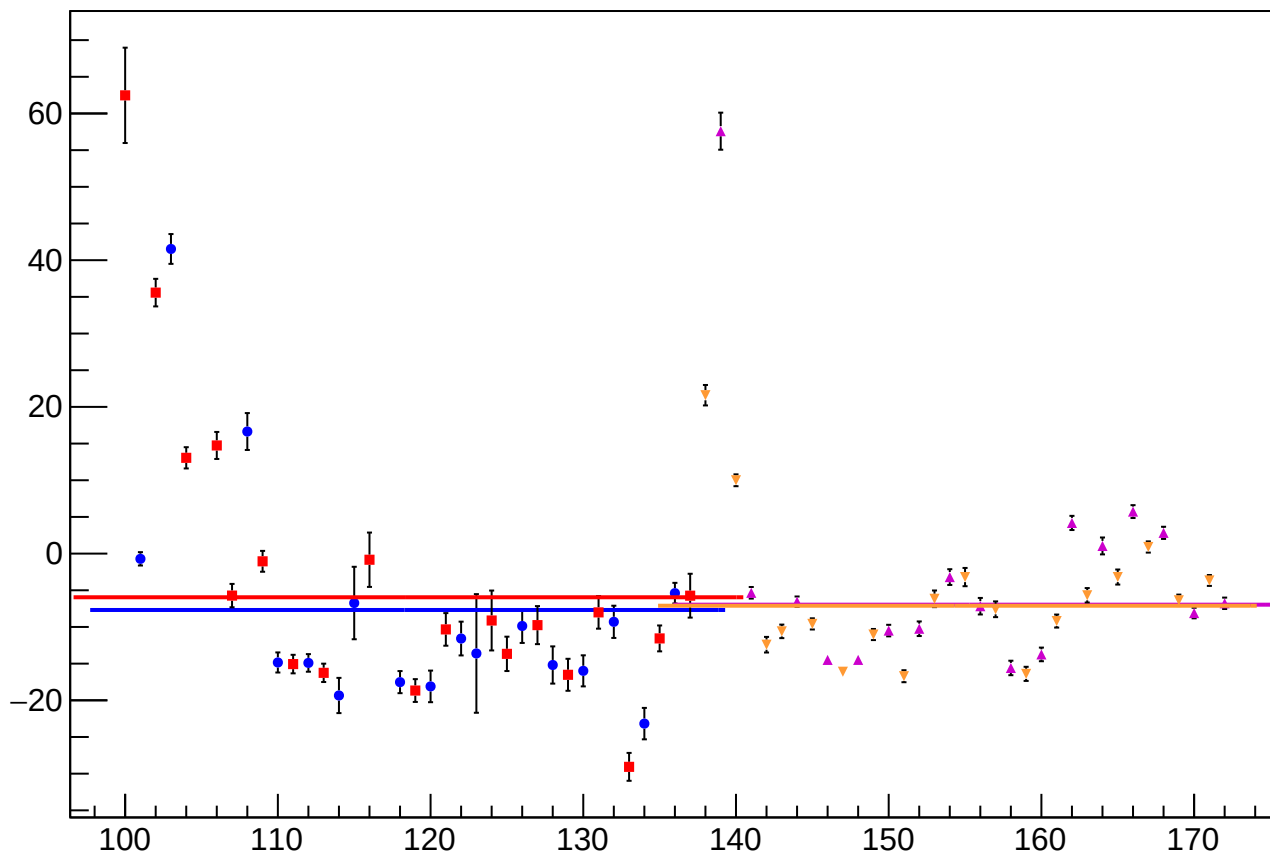
Left In: -25.325 $\pm$ 0.285 χ^2 /NDF: 2909.7/16

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

All: -26.299 $\pm$ 0.202 χ^2 /NDF: 5641.3/34

- 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: -7.105 ± 0.207 χ^2/NDF : 1553.2/17

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

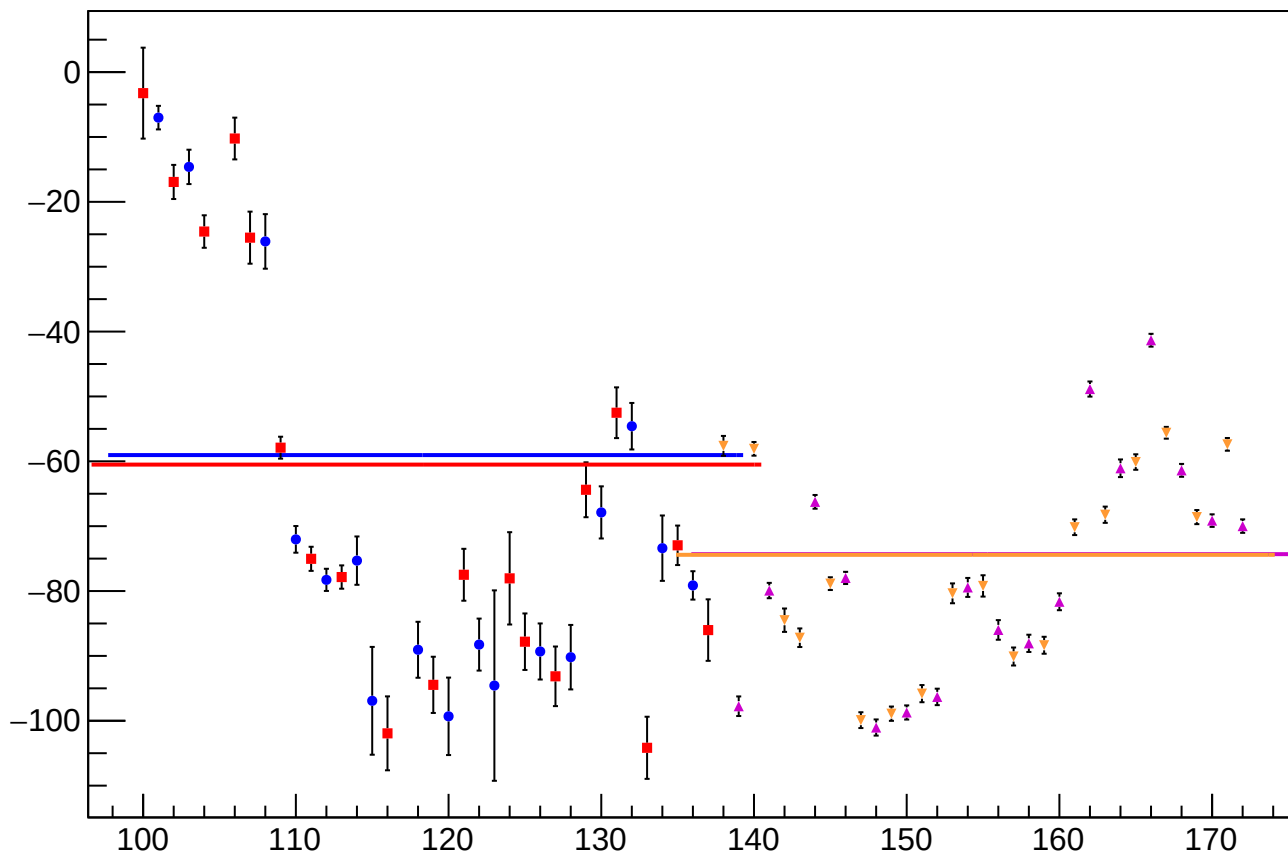
Left In: -6.964 ± 0.207 χ^2/NDF : 1645.8/16

+ sign -7.214 ± 0.186 χ^2/NDF : 2530.7/34

All: -6.994 ± 0.132 χ^2/NDF : 5481.8/70

- 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: -74.414 ± 0.286 χ^2/NDF : 2885.3/17

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

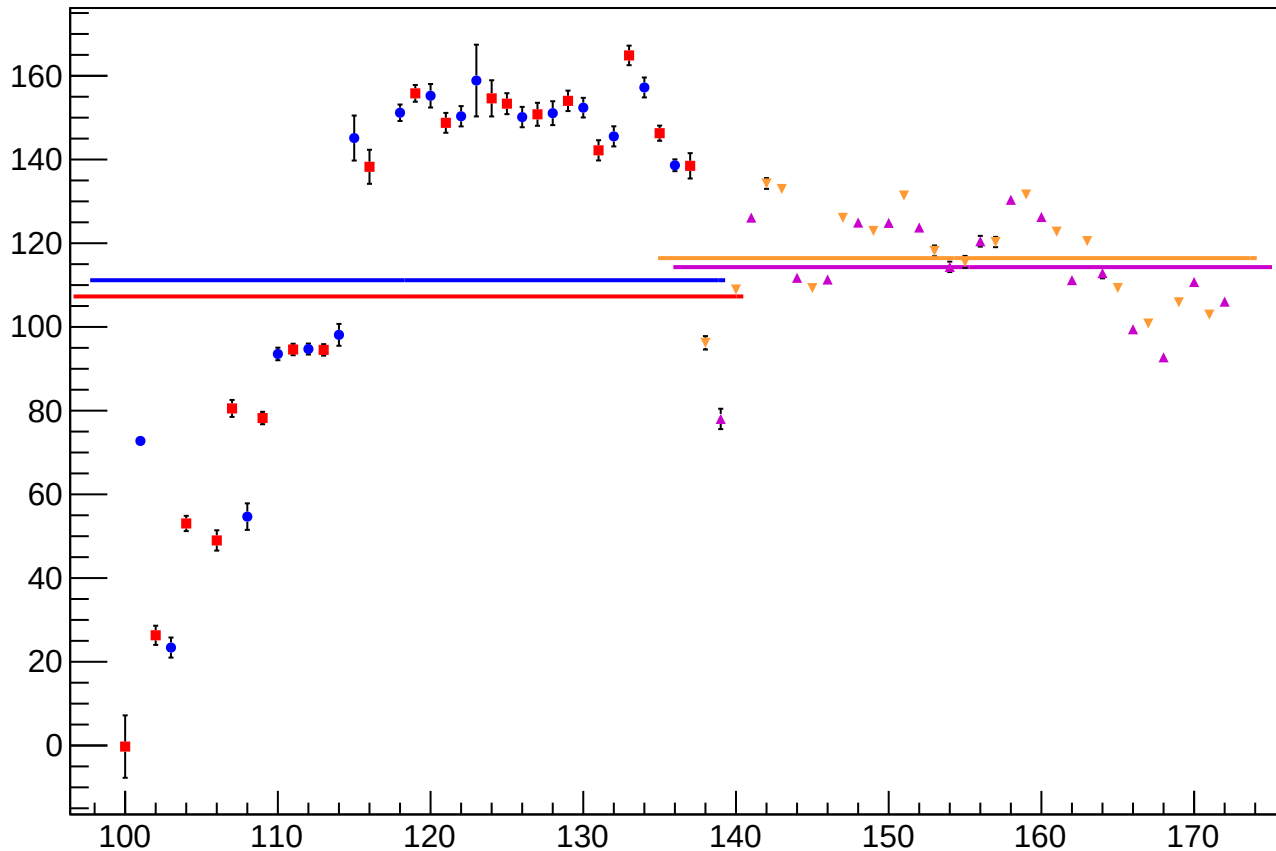
Left In: -74.313 ± 0.281 χ^2/NDF : 3706.5/16

+ sign -72.443 ± 0.267 χ^2/NDF : 4965.4/34

All: -72.428 ± 0.187 χ^2/NDF : 10388.0/70

- 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: 116.444 $\pm$ 0.239 χ^2 /NDF: 2182.6/17

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

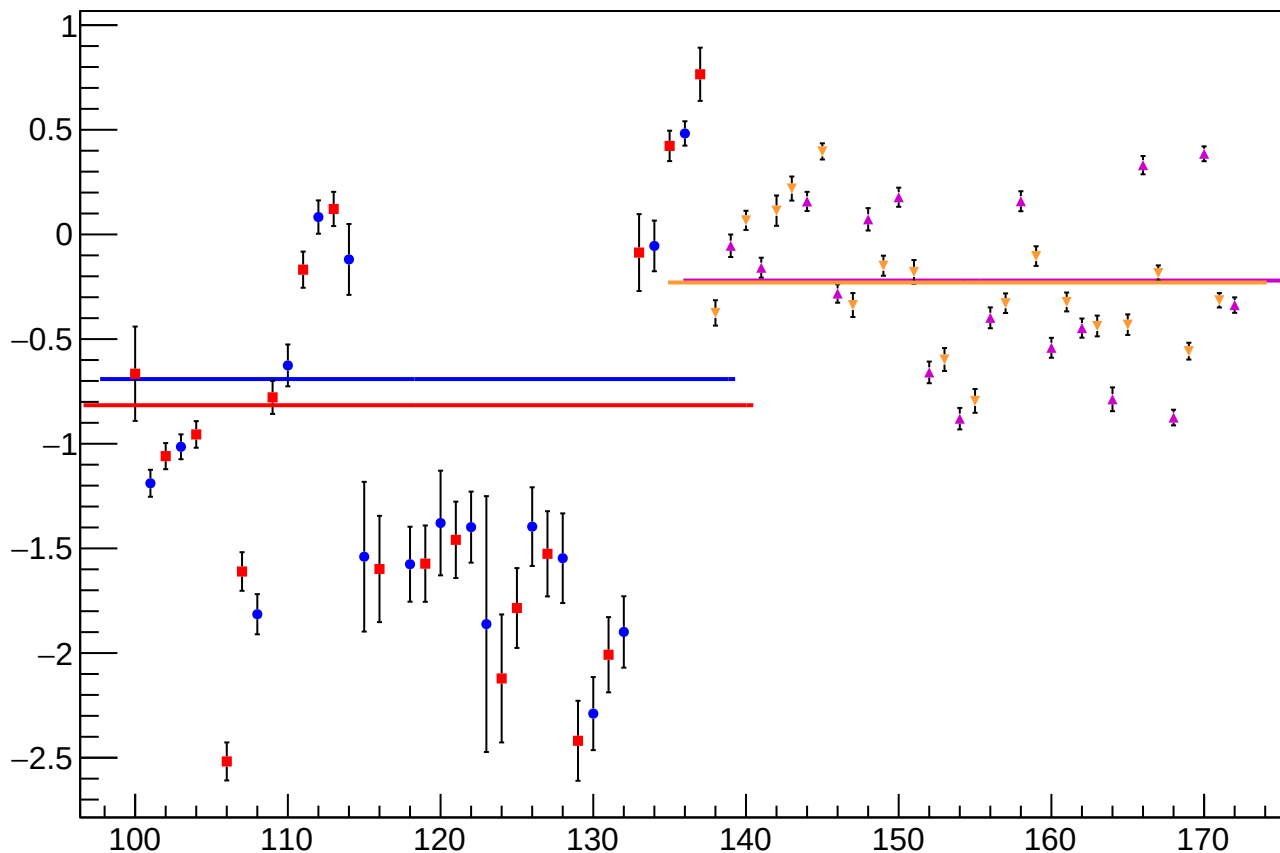
Left In: 114.294 $\pm$ 0.239 χ^2 /NDF: 2011.6/16

+ sign 115.423 $\pm$ 0.215 χ^2 /NDF: 8154.4/34

All: 114.178 $\pm$ 0.152 χ^2 /NDF: 17454.8/70

- 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: -0.230 ± 0.011 χ^2/NDF : 670.3/17

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

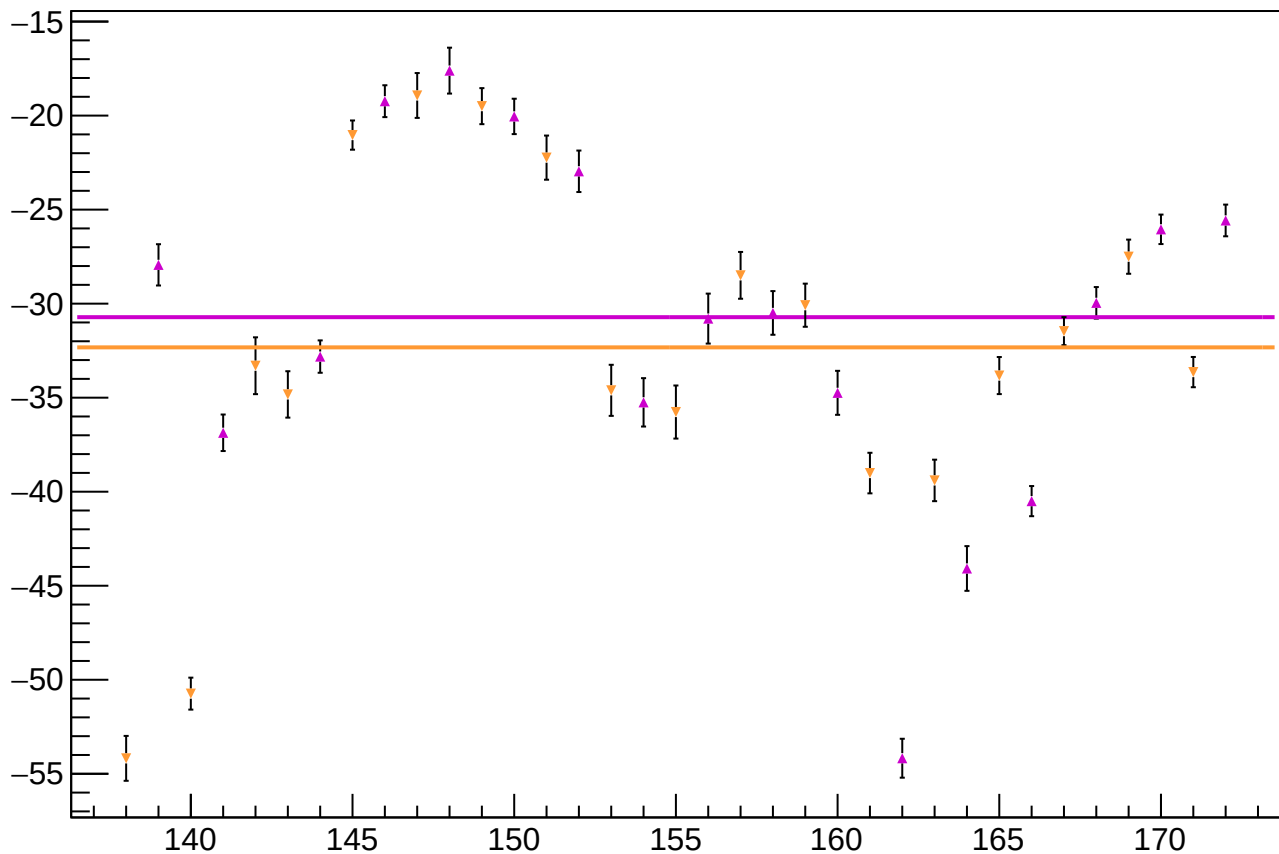
Left In: -0.220 ± 0.011 χ^2/NDF : 1440.1/16

+ sign -0.302 ± 0.010 χ^2/NDF : 1930.2/34

All: -0.312 ± 0.007 χ^2/NDF : 5172.6/70

- 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: -32.325+/-0.242 χ^2/NDF : 1535.7/17

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

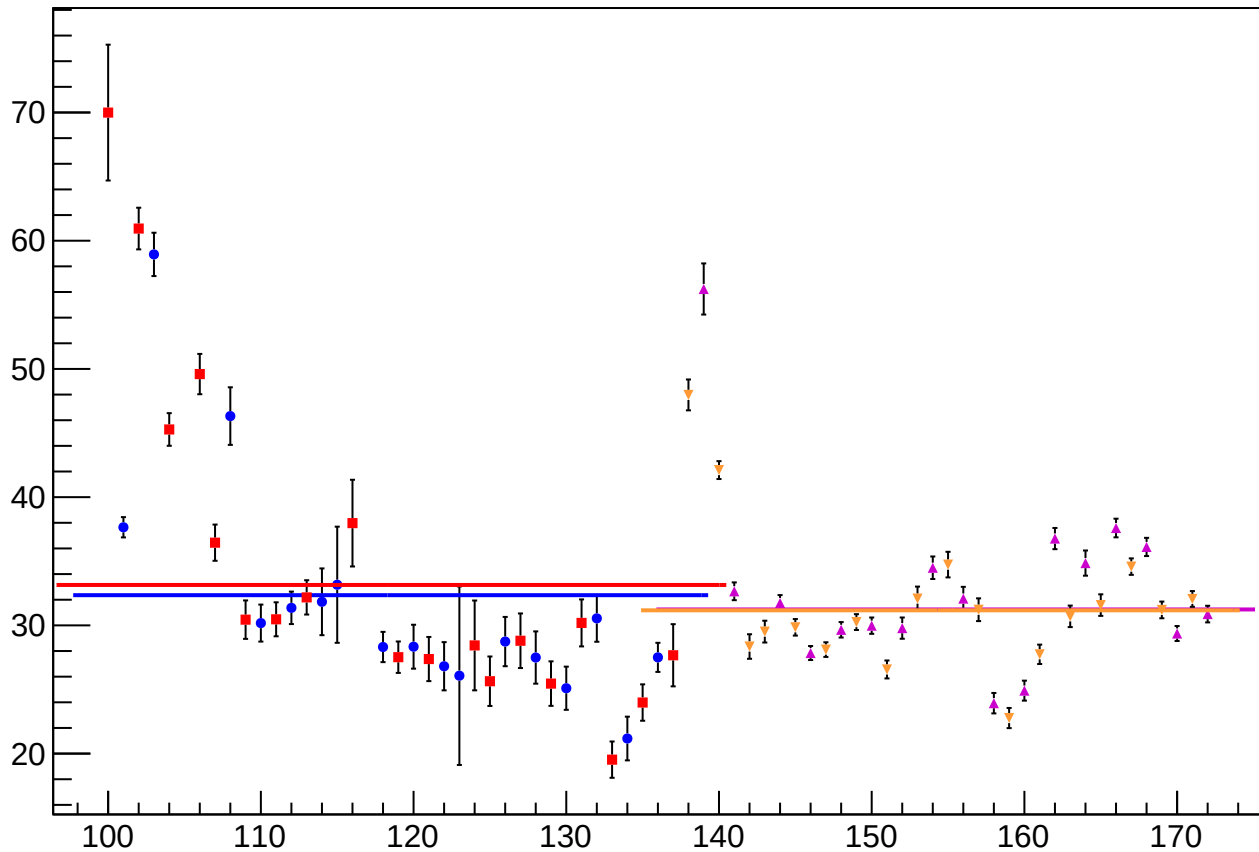
Left In: -30.719+/-0.239 χ^2/NDF : 1416.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.511+/-0.170 χ^2/NDF : 2974.8/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 31.174 ± 0.176 $\chi^2/\text{NDF}: 710.8/17$

Right Out: 33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

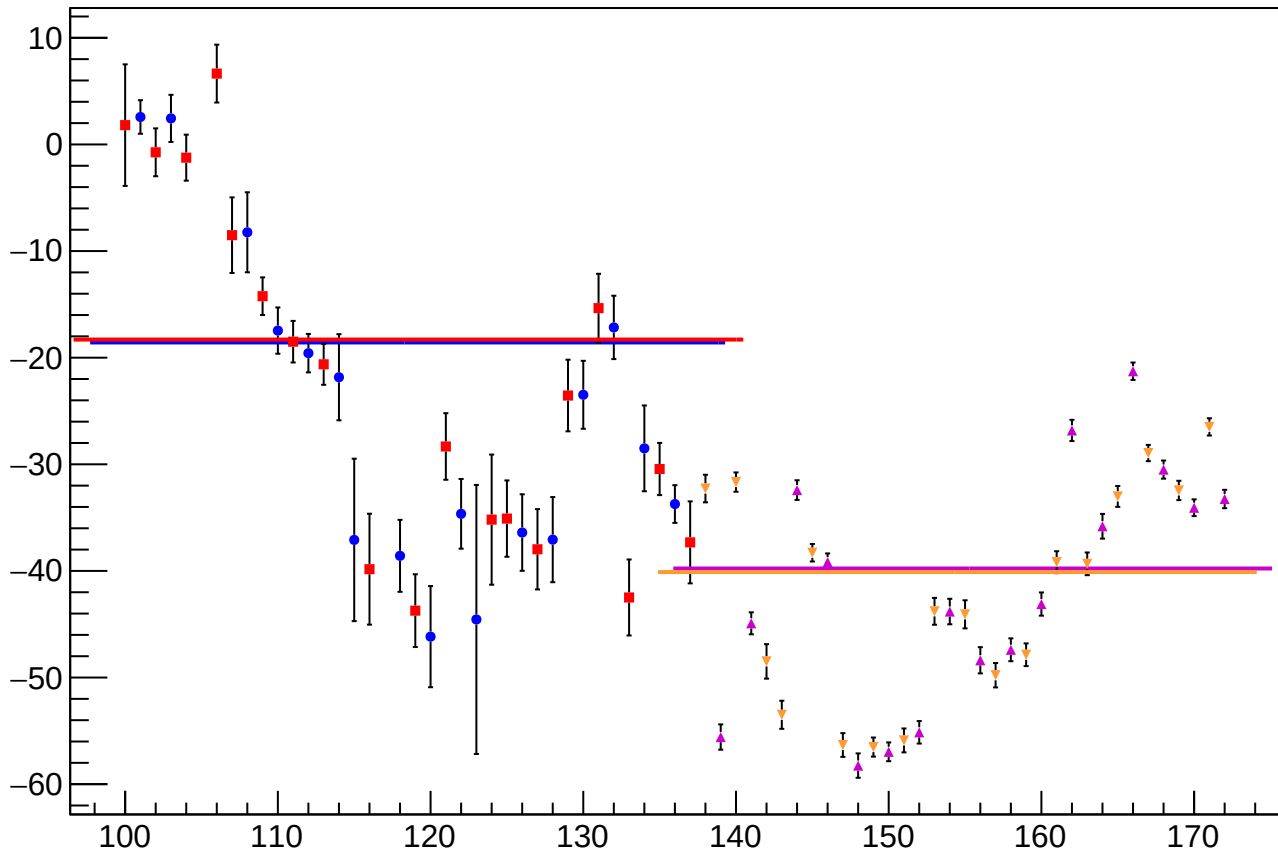
Left In: 31.242 ± 0.176 $\chi^2/\text{NDF}: 571.7/16$

+ sign 31.386 ± 0.159 $\chi^2/\text{NDF}: 1169.5/34$

All: 31.483 ± 0.113 $\chi^2/\text{NDF}: 2534.8/70$

- sign 31.580 ± 0.159 $\chi^2/\text{NDF}: 1364.6/35$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 $\chi^2/\text{NDF}: 511.5/16$

Left Out: -40.106 ± 0.240 $\chi^2/\text{NDF}: 1769.0/17$

Right Out: -18.300 ± 0.644 $\chi^2/\text{NDF}: 473.4/18$

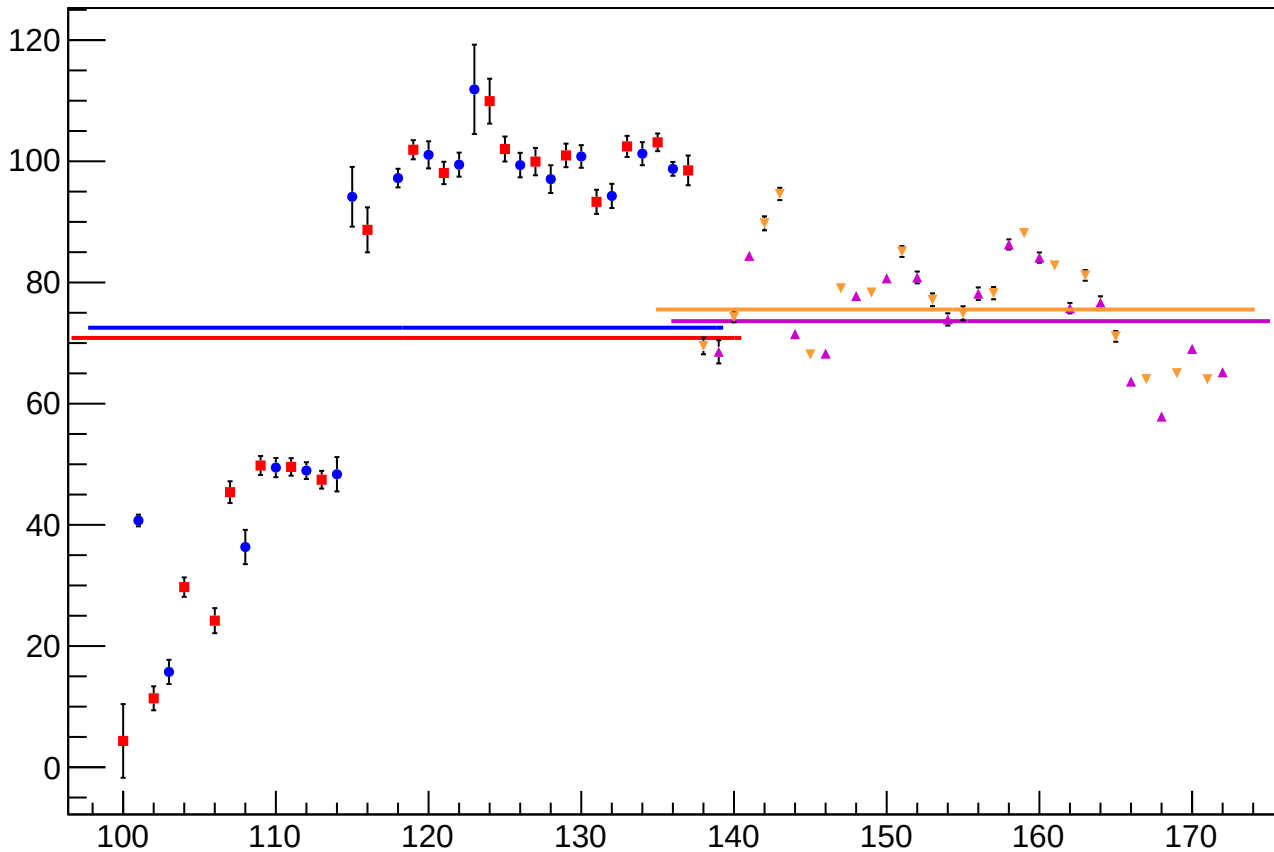
Left In: -39.772 ± 0.236 $\chi^2/\text{NDF}: 2164.8/16$

+ sign -37.632 ± 0.226 $\chi^2/\text{NDF}: 3201.7/34$

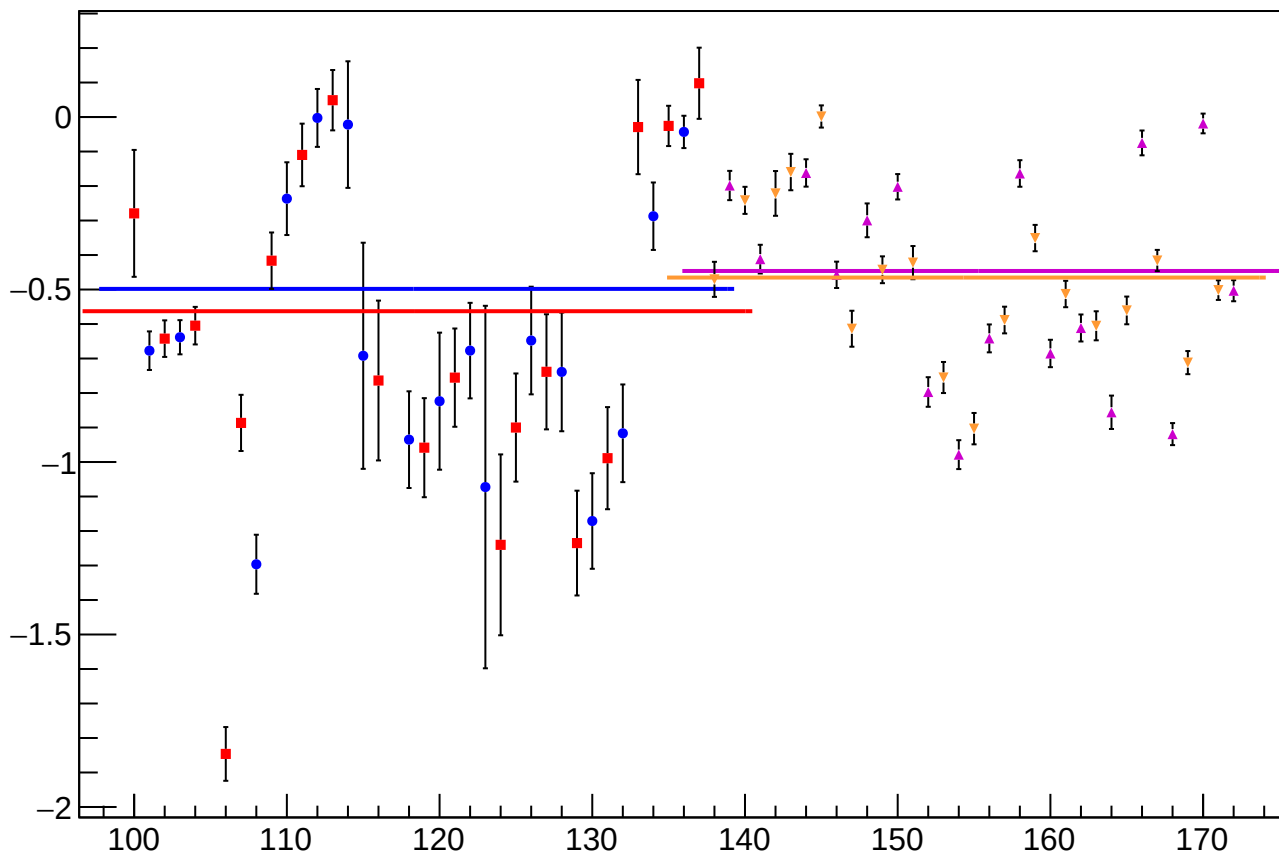
All: -37.427 ± 0.158 $\chi^2/\text{NDF}: 6822.0/70$

- sign -37.230 ± 0.222 $\chi^2/\text{NDF}: 3618.7/35$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.465 ± 0.009 χ^2/NDF : 530.0/17

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

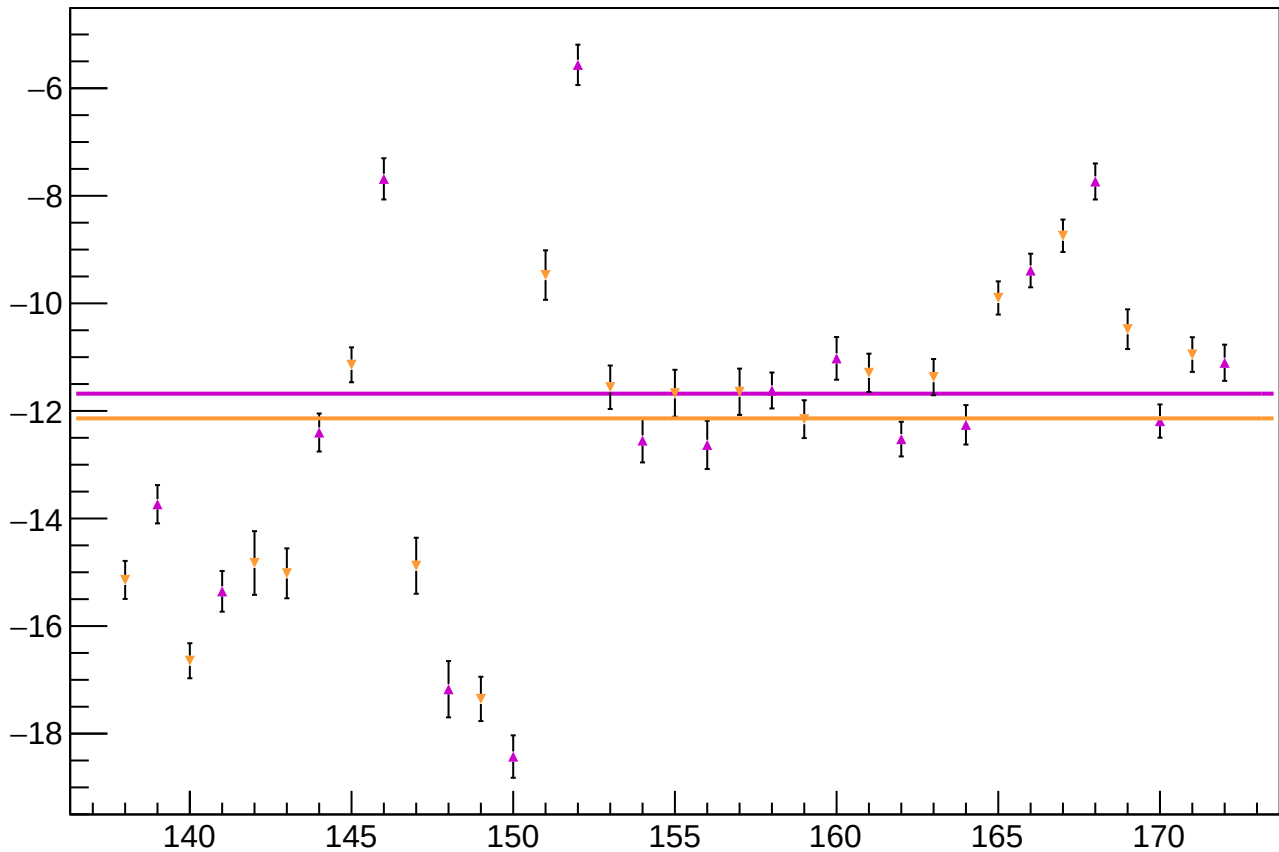
Left In: -0.446 ± 0.009 χ^2/NDF : 1123.2/16

+ sign -0.470 ± 0.009 χ^2/NDF : 834.6/34

All: -0.467 ± 0.006 χ^2/NDF : 2543.7/70

- 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: -12.138+/-0.088 χ^2/NDF : 782.9/17

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

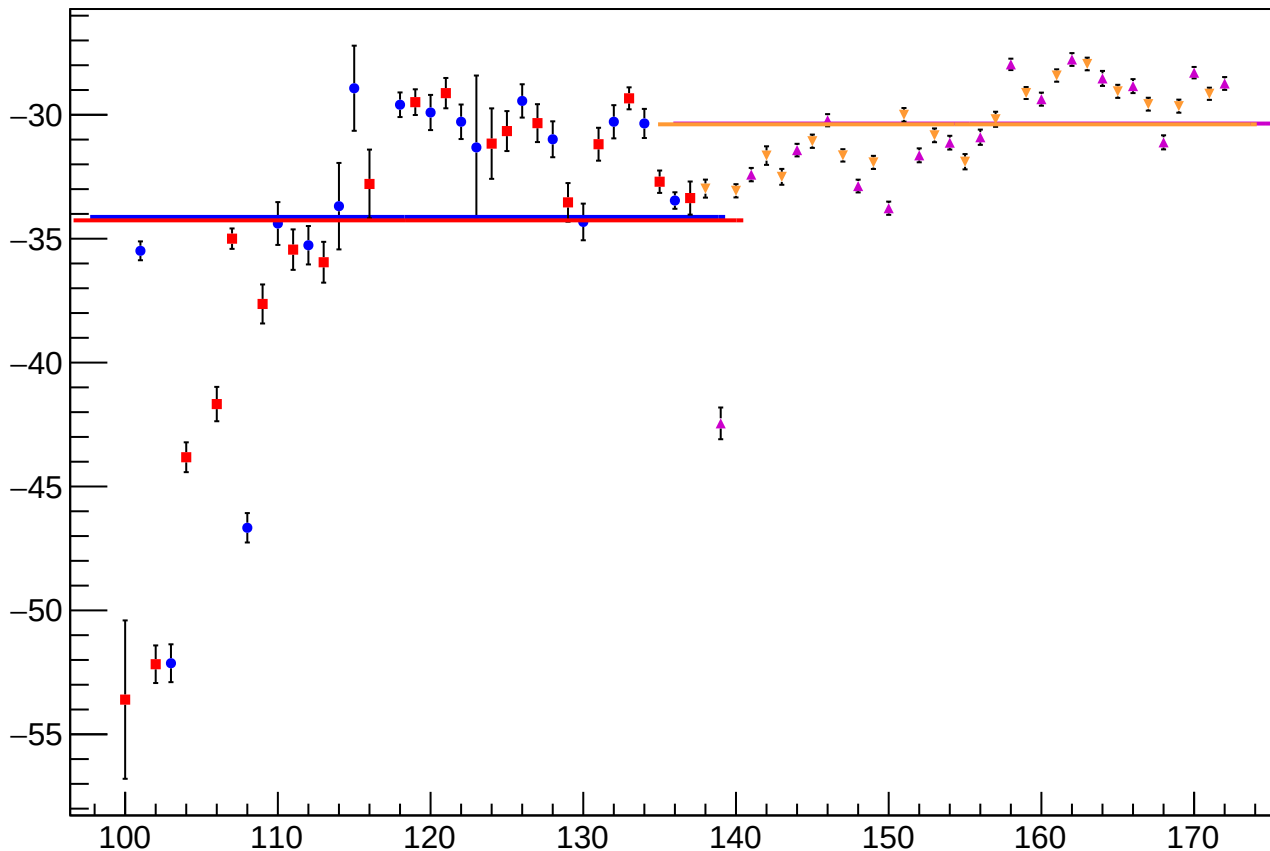
Left In: -11.679+/-0.088 χ^2/NDF : 1127.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

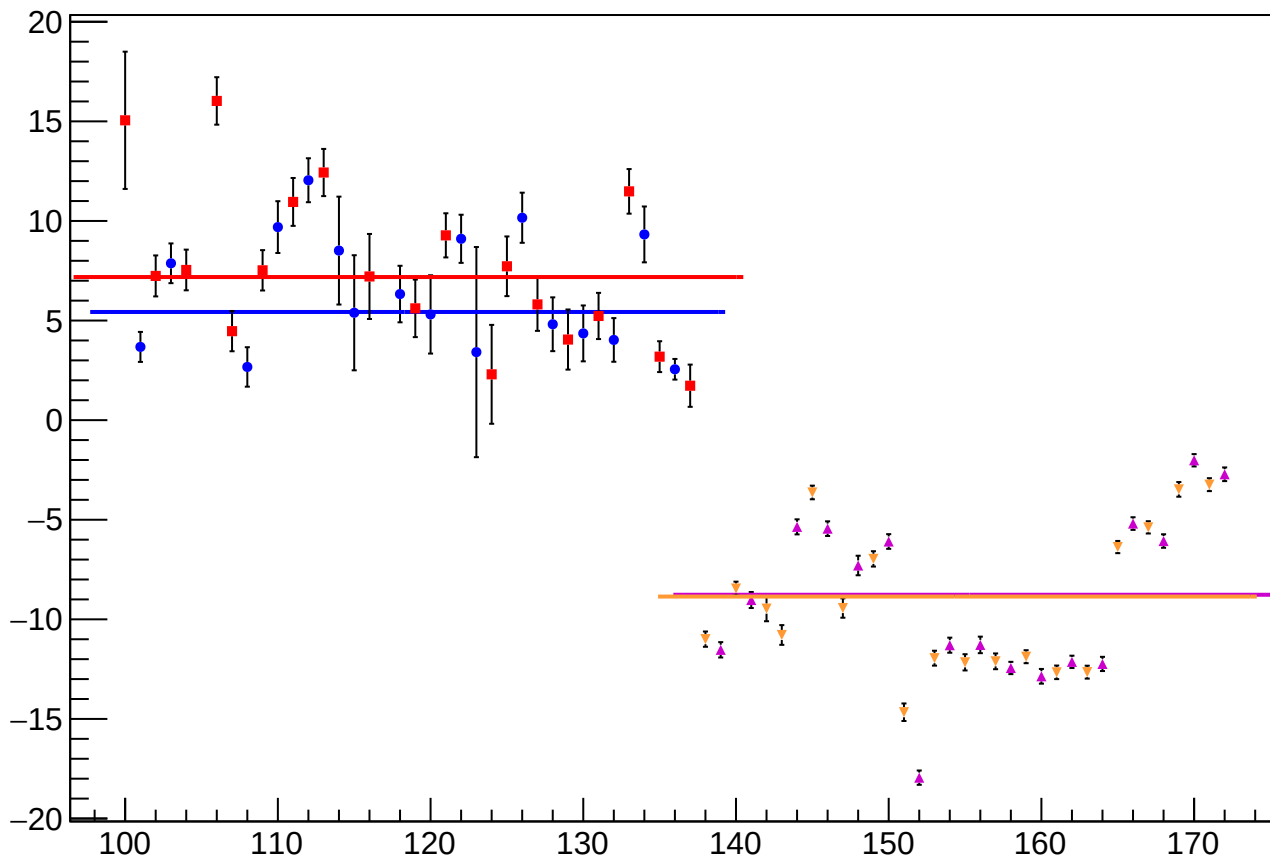
All: -11.909+/-0.062 χ^2/NDF : 1924.3/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -8.856 ± 0.087 χ^2/NDF : 1733.5/17

Right Out: 7.185 ± 0.274 χ^2/NDF : 182.1/18

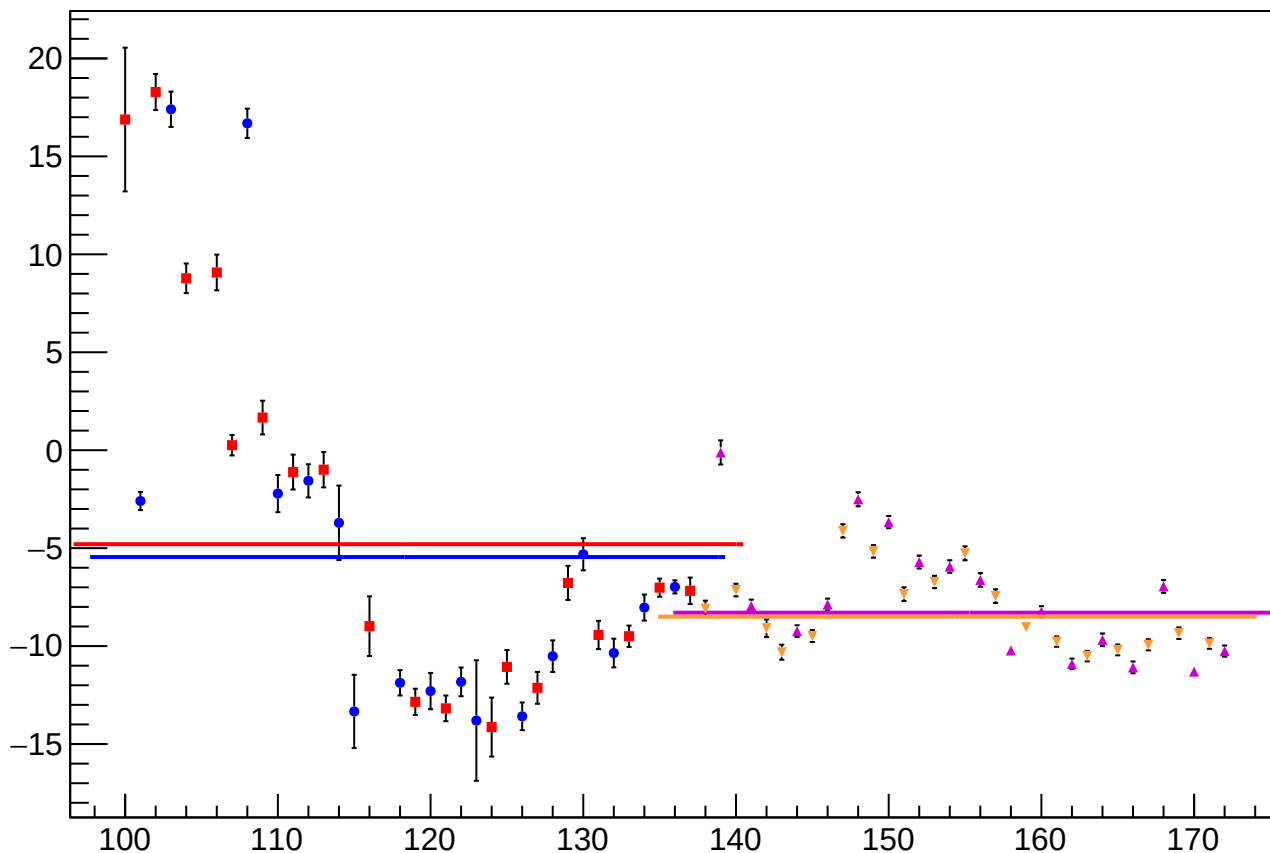
Left In: -8.766 ± 0.087 χ^2/NDF : 2463.9/16

+ sign -7.509 ± 0.083 χ^2/NDF : 4394.1/34

All: -7.413 ± 0.059 χ^2/NDF : 10114.1/70

- sign -7.318 ± 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: -8.500+/-0.074 χ^2/NDF : 638.4/17

Right Out: -4.798+/-0.173 χ^2/NDF : 2047.4/18

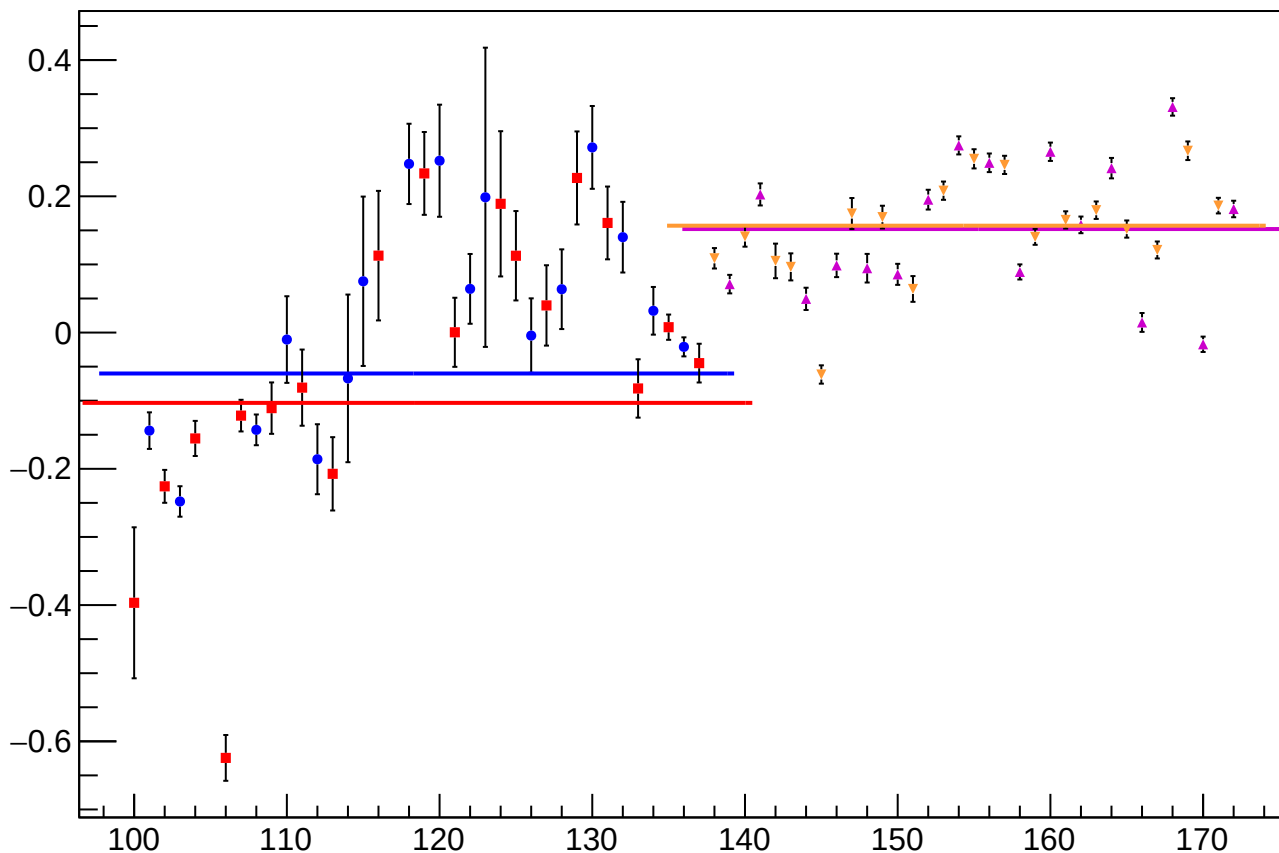
Left In: -8.294+/-0.075 χ^2/NDF : 1280.3/16

+ sign -8.021+/-0.068 χ^2/NDF : 3002.6/34

All: -7.885+/-0.048 χ^2/NDF : 6683.1/70

- 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: 0.157 ± 0.003 χ^2/NDF : 507.2/17

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

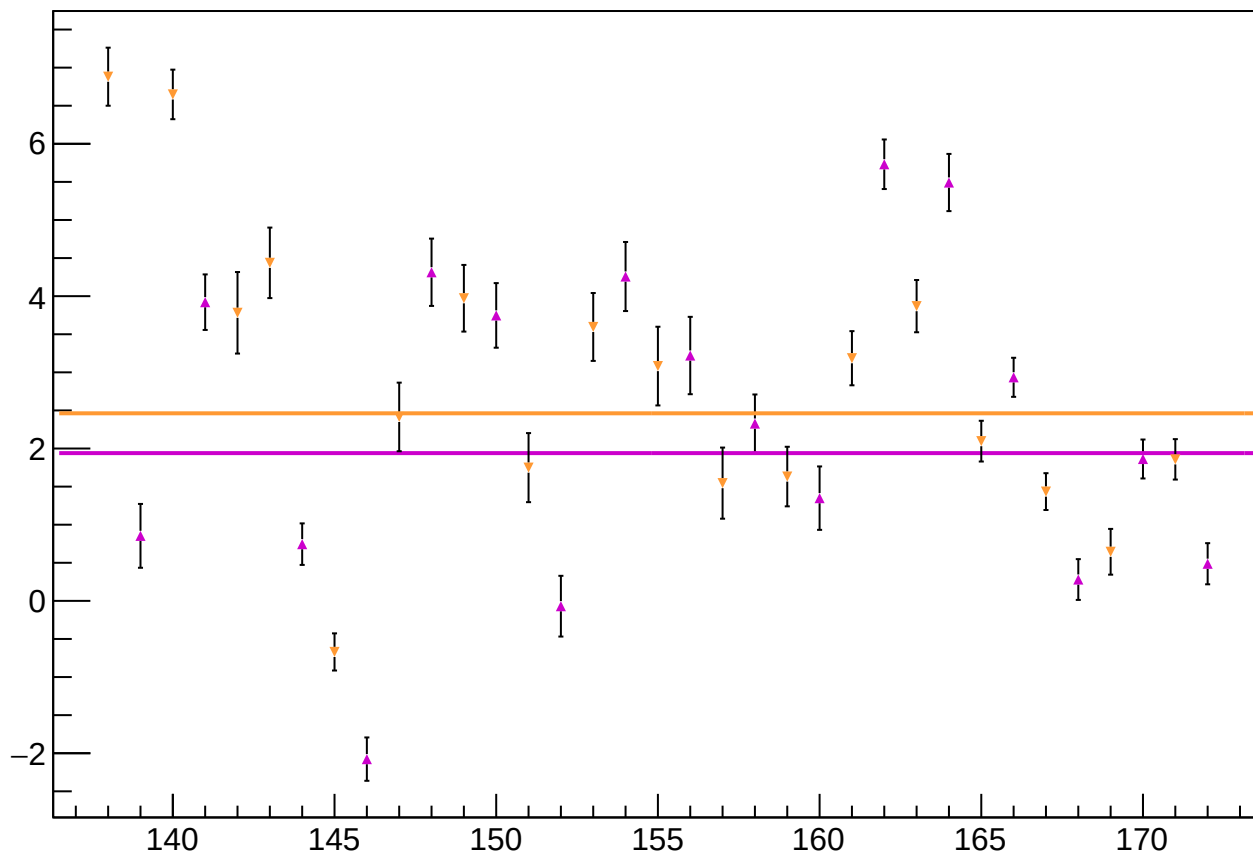
Left In: 0.152 ± 0.003 χ^2/NDF : 928.7/16

+ sign 0.127 ± 0.003 χ^2/NDF : 1297.1/34

All: 0.122 ± 0.002 χ^2/NDF : 3455.1/70

- 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 2.462 $\pm$ 0.082 χ^2 /NDF:602.8/17

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

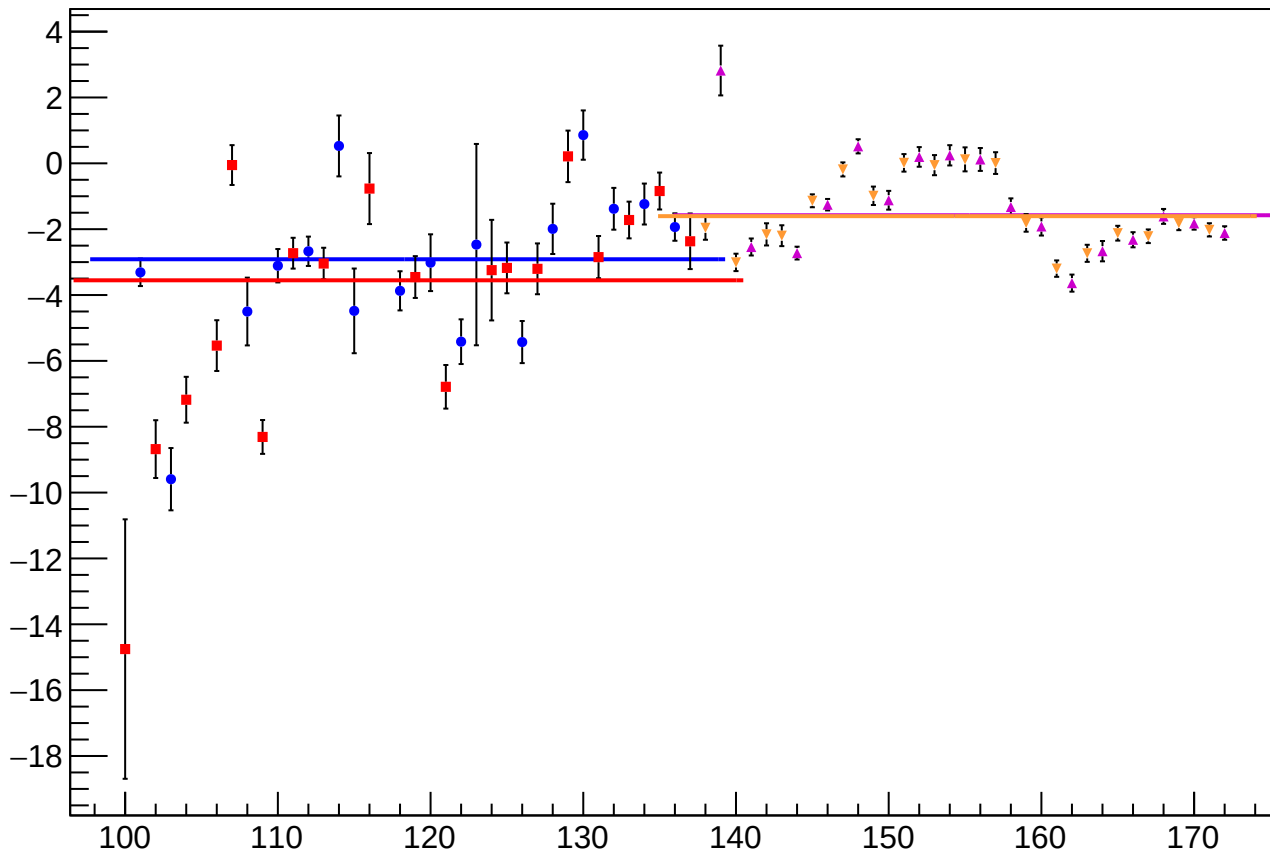
Left In: 1.940 $\pm$ 0.081 χ^2 /NDF:670.8/16

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

All: 2.198 $\pm$ 0.058 χ^2 /NDF: 1294.1/34

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

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.605 ± 0.060 χ^2/NDF : 278.7/17

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

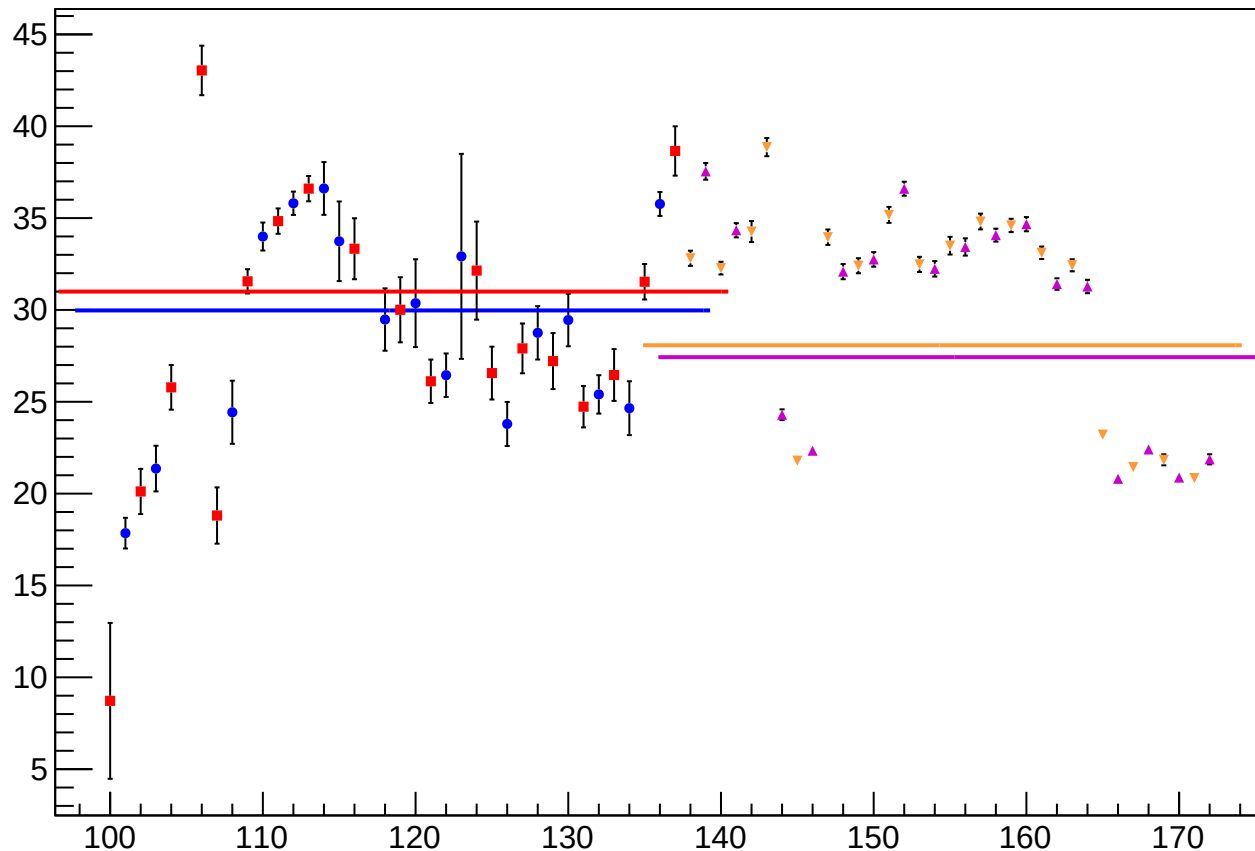
Left In: -1.577 ± 0.059 χ^2/NDF : 374.1/16

+ sign -1.776 ± 0.056 χ^2/NDF : 486.9/34

All: -1.804 ± 0.039 χ^2/NDF : 1294.7/70

- 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 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 28.076 ± 0.082 $\chi^2/\text{NDF}: 5452.9/17$

Right Out: 30.999 ± 0.260 $\chi^2/\text{NDF}: 479.5/18$

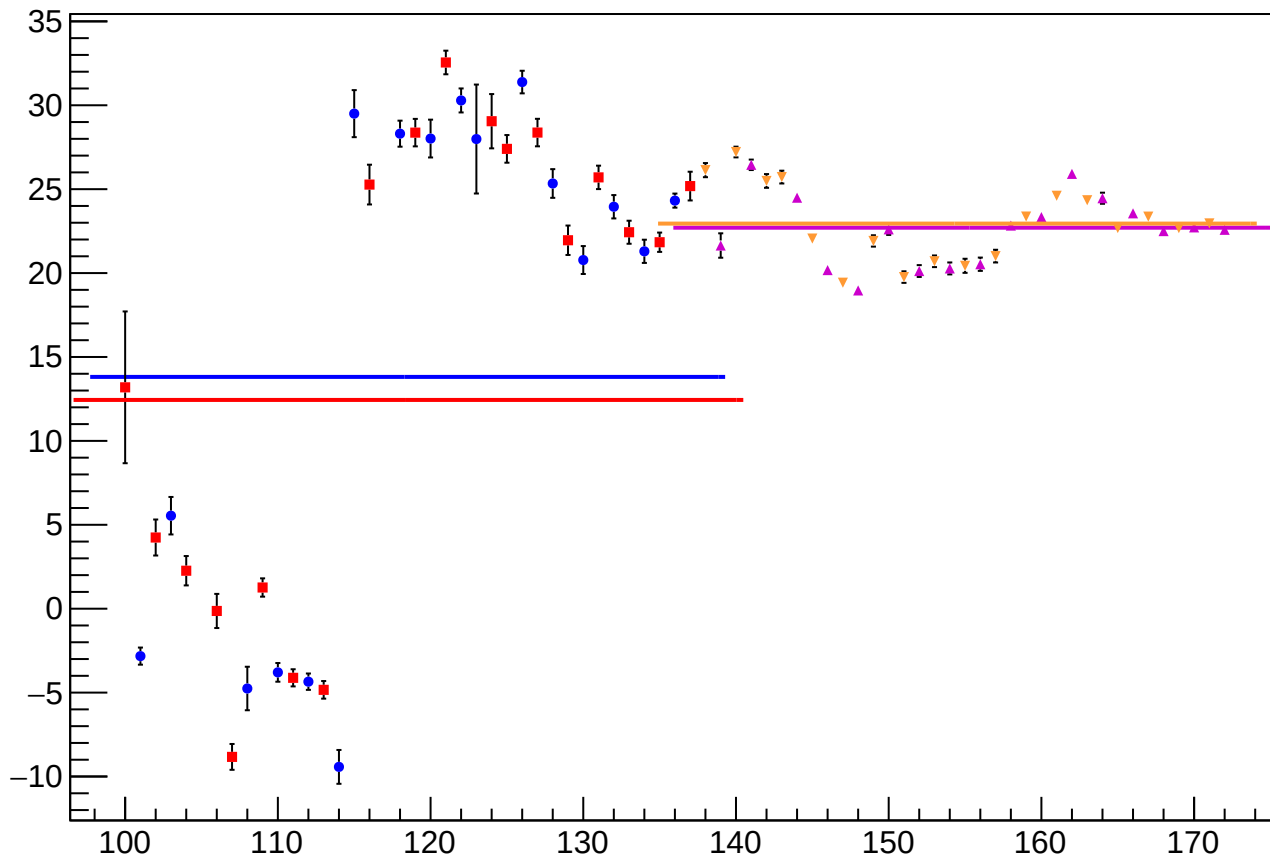
Left In: 27.430 ± 0.080 $\chi^2/\text{NDF}: 5483.9/16$

+ sign 28.239 ± 0.078 $\chi^2/\text{NDF}: 6053.3/34$

All: 27.985 ± 0.055 $\chi^2/\text{NDF}: 12209.1/70$

- sign 27.741 ± 0.077 $\chi^2/\text{NDF}: 6135.2/35$

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: 22.949 $\pm$ 0.069 χ^2 /NDF: 757.0/17

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

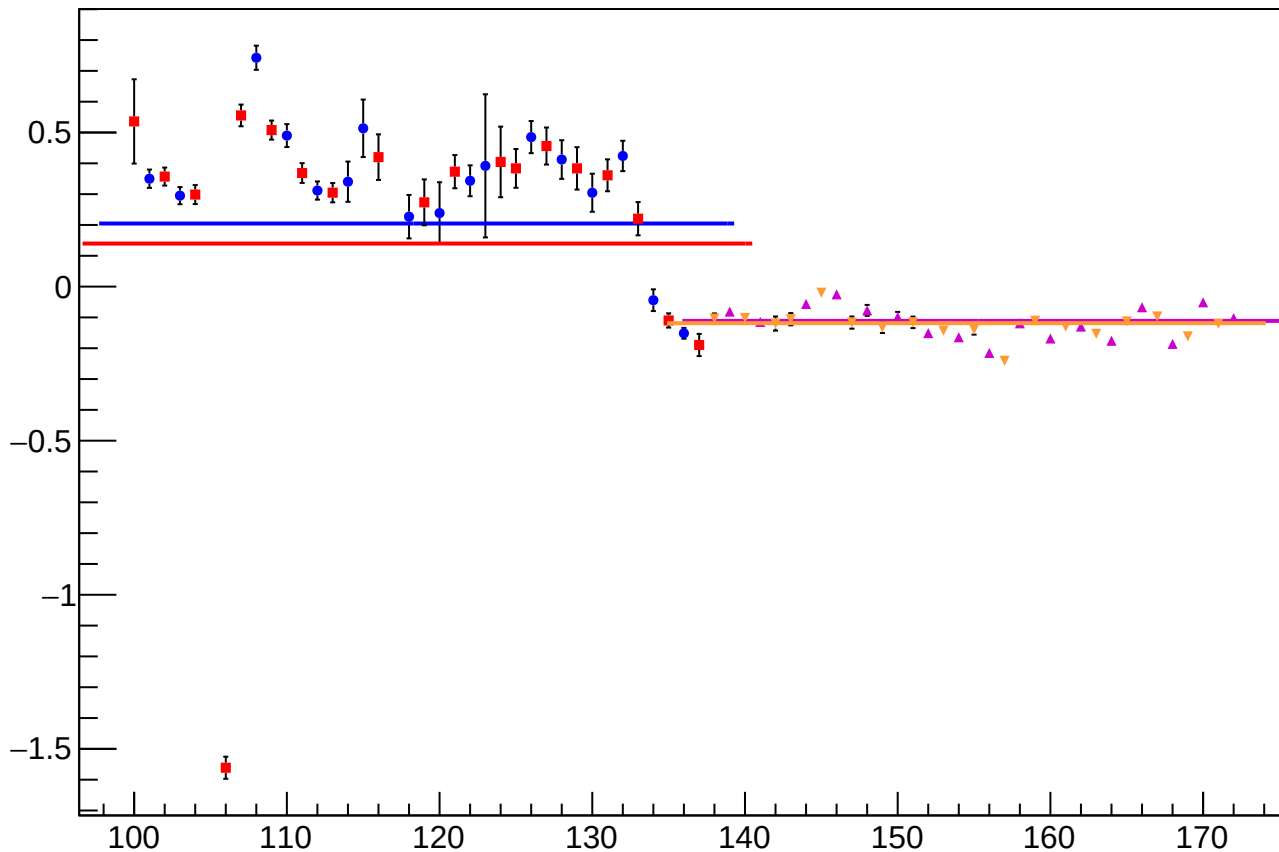
Left In: 22.704 $\pm$ 0.068 χ^2 /NDF: 810.2/16

+ sign 21.701 $\pm$ 0.064 χ^2 /NDF: 10492.5/34

All: 21.516 $\pm$ 0.045 χ^2 /NDF: 21314.1/70

- 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: -0.119 ± 0.003 χ^2/NDF : 200.6/17

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

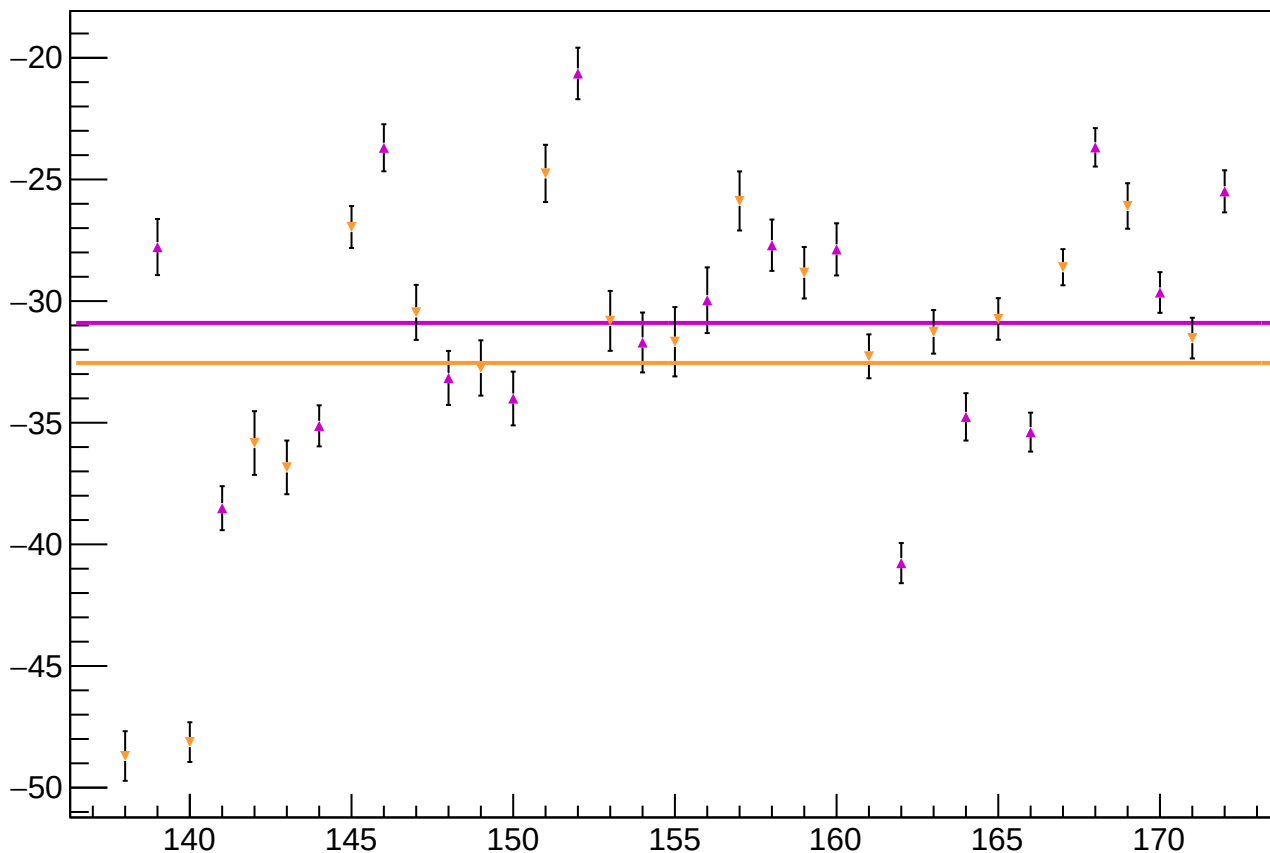
Left In: -0.111 ± 0.003 χ^2/NDF : 285.0/16

+ sign -0.086 ± 0.003 χ^2/NDF : 2114.8/34

All: -0.085 ± 0.002 χ^2/NDF : 6079.3/70

- 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: -32.542+/-0.233 χ^2/NDF : 854.9/17

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

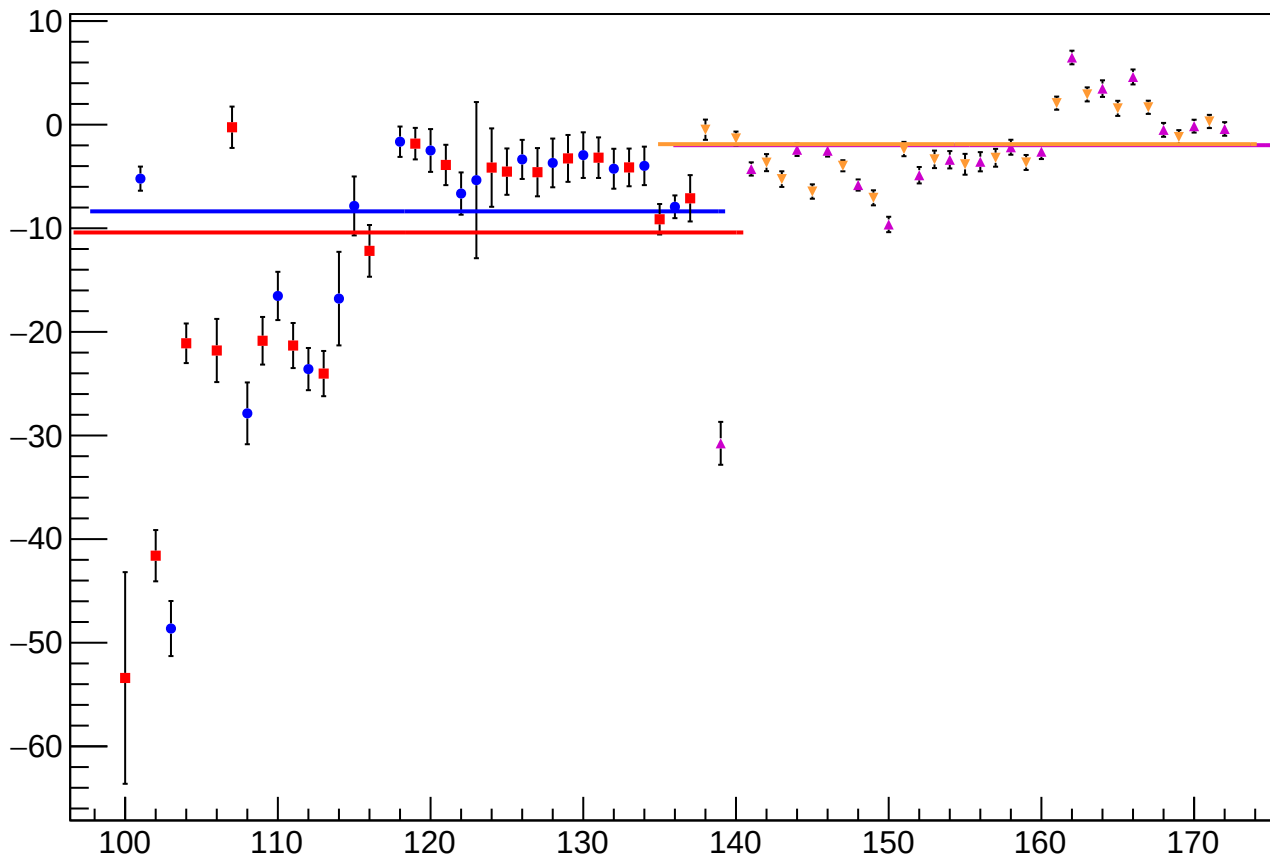
Left In: -30.897+/-0.233 χ^2/NDF : 597.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.720+/-0.165 χ^2/NDF : 1477.7/34

- 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 $\pm$ 0.466 χ^2/NDF : 408.8/16

Left Out: -1.882 $\pm$ 0.168 χ^2/NDF : 307.5/17

Right Out: -10.405 $\pm$ 0.491 χ^2/NDF : 430.3/18

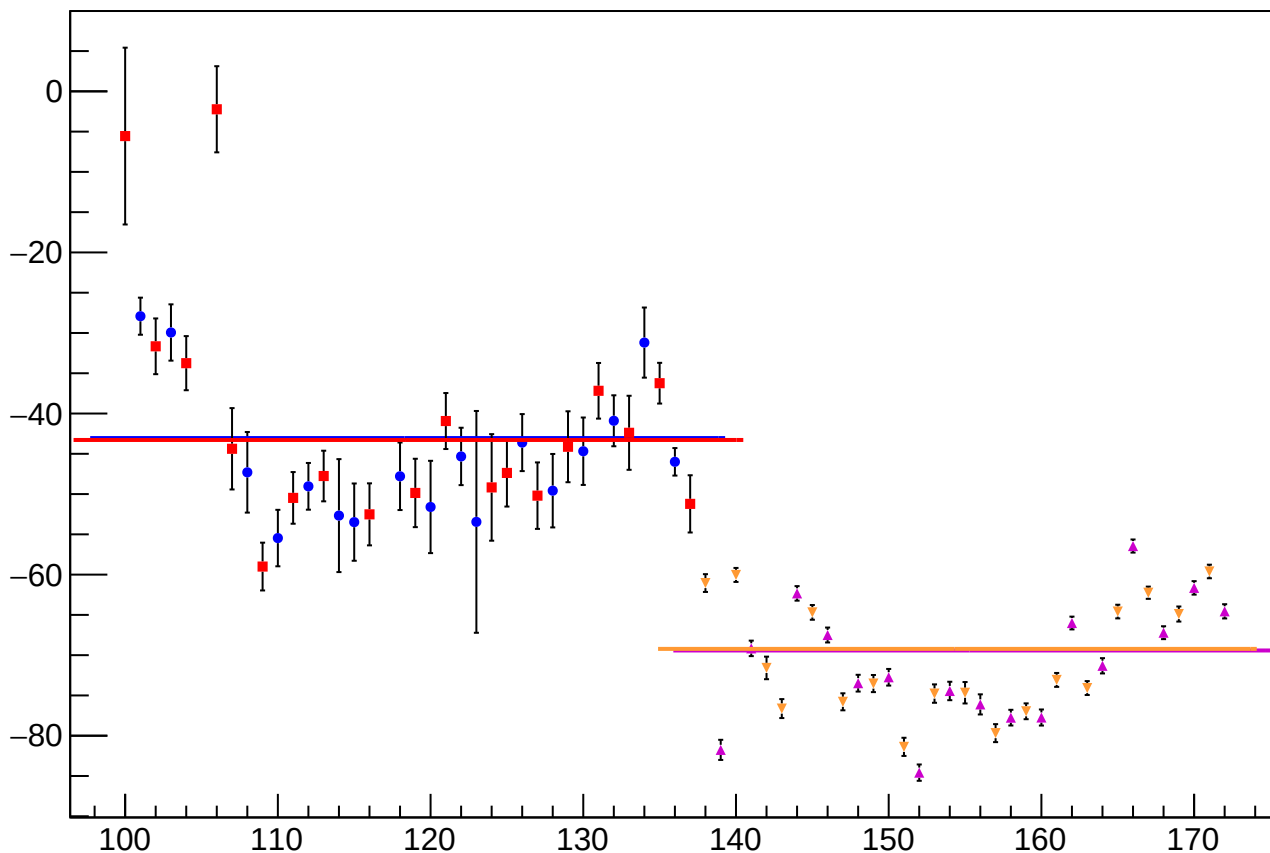
Left In: -1.981 $\pm$ 0.170 χ^2/NDF : 697.7/16

+ sign -2.627 $\pm$ 0.158 χ^2/NDF : 887.7/34

All: -2.751 $\pm$ 0.113 χ^2/NDF : 2280.0/70

- sign -2.879 $\pm$ 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 χ^2/NDF : 99.0/16

Left Out: -69.221 ± 0.231 χ^2/NDF : 912.3/17

Right Out: -43.282 ± 0.867 χ^2/NDF : 154.4/18

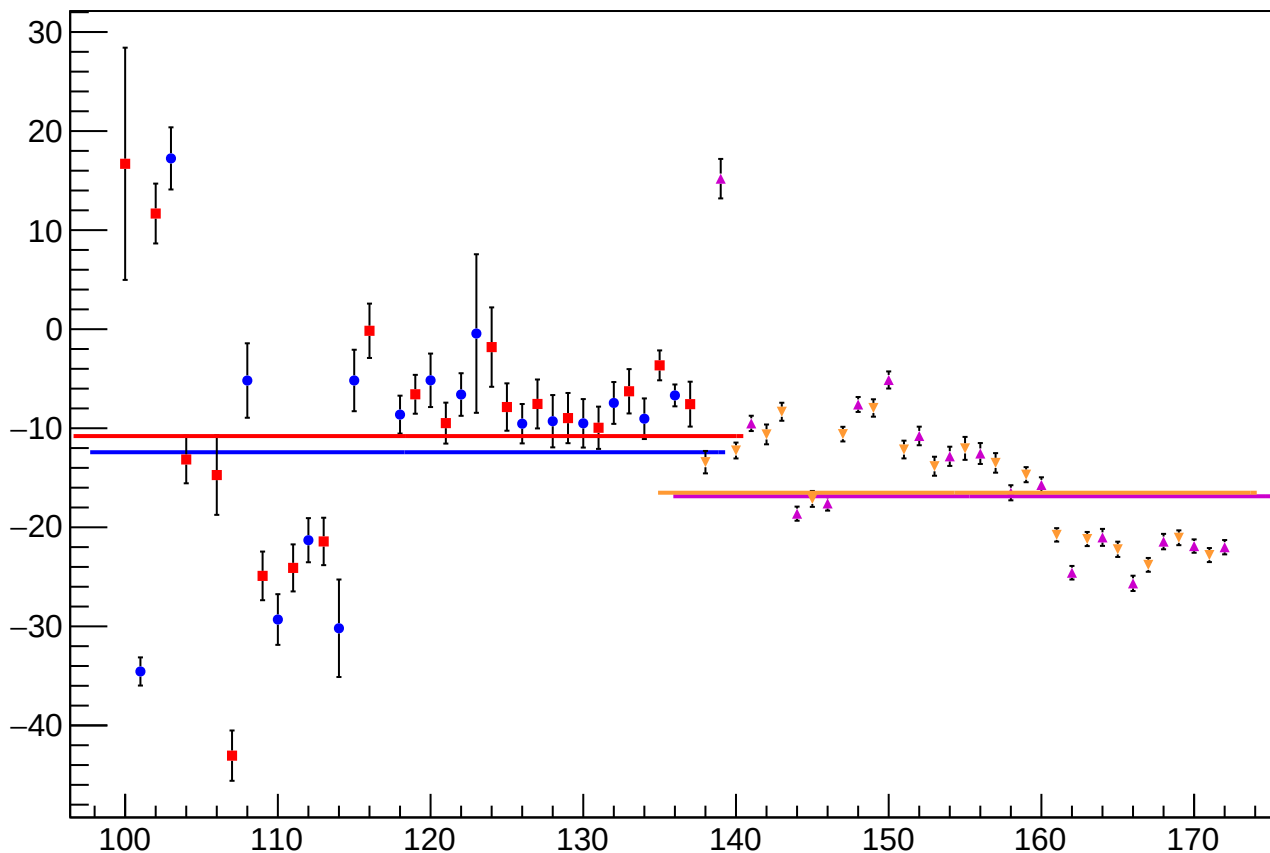
Left In: -69.417 ± 0.230 χ^2/NDF : 1004.3/16

+ sign -67.362 ± 0.223 χ^2/NDF : 1919.2/34

All: -67.531 ± 0.158 χ^2/NDF : 3927.5/70

- sign -67.698 ± 0.222 χ^2/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: -16.508 ± 0.194 χ^2/NDF : 733.8/17

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

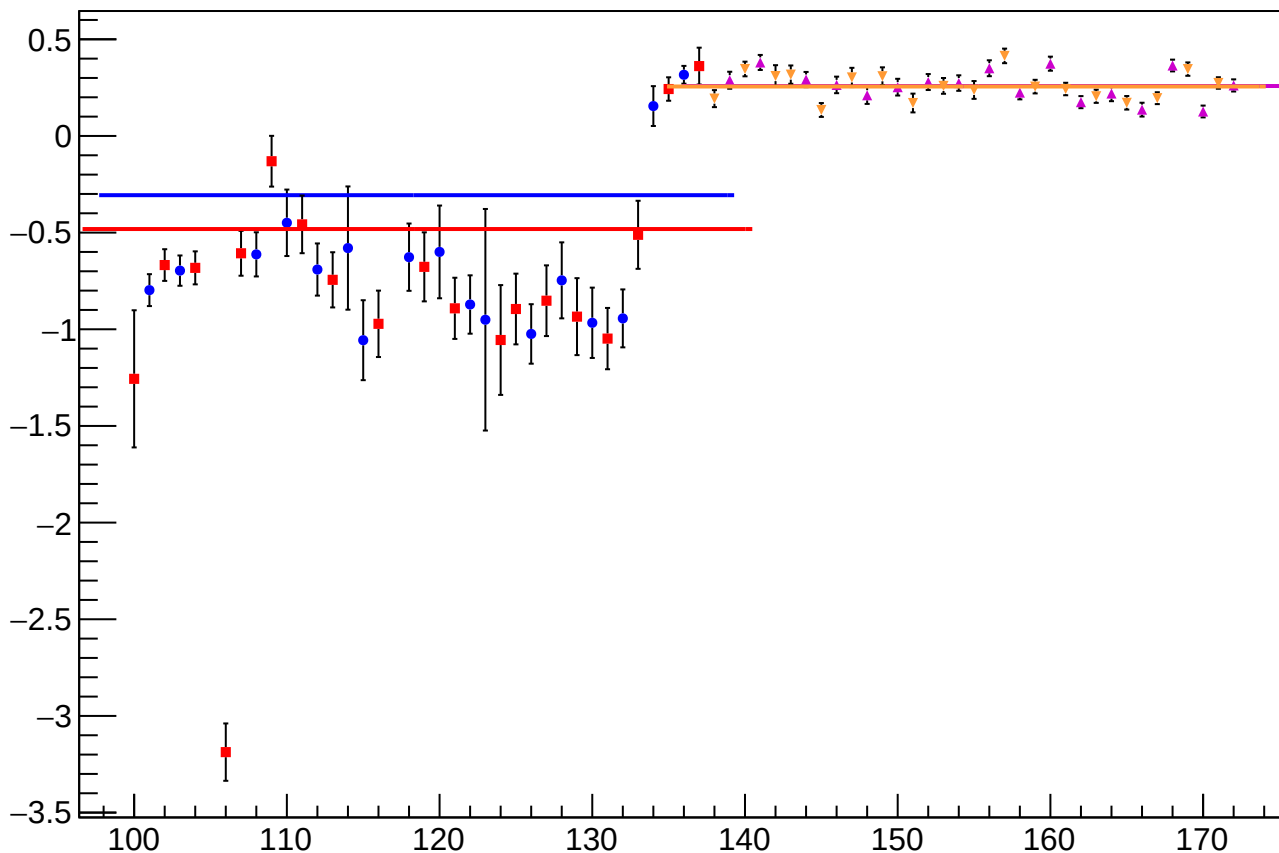
Left In: -16.866 ± 0.195 χ^2/NDF : 1190.0/16

+ sign -16.016 ± 0.181 χ^2/NDF : 1261.8/34

All: -16.104 ± 0.129 χ^2/NDF : 2925.2/70

- 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: 0.256 ± 0.009 χ^2/NDF : 64.0/17

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

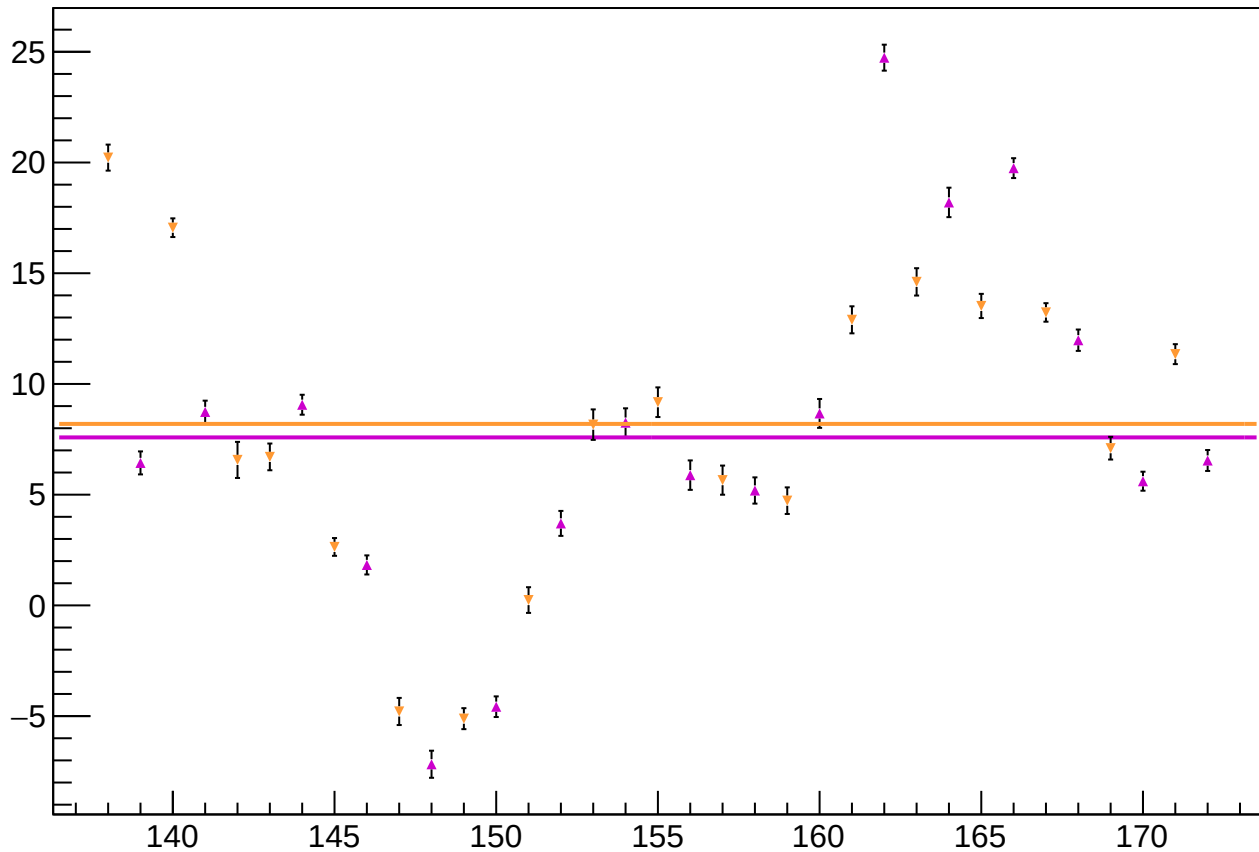
Left In: 0.258 ± 0.009 χ^2/NDF : 79.0/16

+ sign 0.201 ± 0.009 χ^2/NDF : 811.3/34

All: 0.197 ± 0.006 χ^2/NDF : 2128.2/70

- sign 0.192 ± 0.009 χ^2/NDF : 1316.2/35

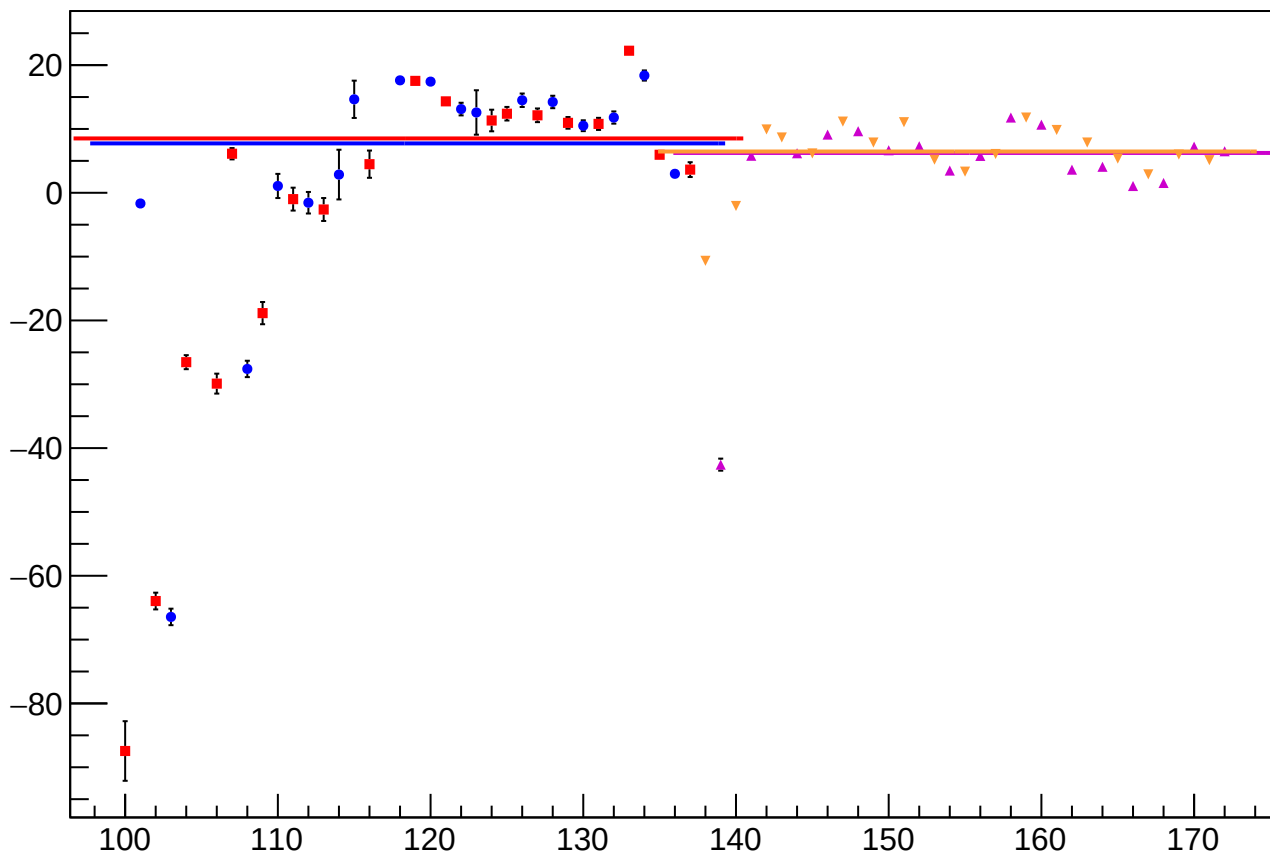
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.196 $\pm$ 0.127 χ^2 /NDF:2999.2/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 7.586 $\pm$ 0.126 χ^2 /NDF:3488.7/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 7.888 $\pm$ 0.090 χ^2 /NDF: 6499.5/34
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 6.467 ± 0.092 χ^2/NDF : 2358.2/17

Right Out: 8.514 ± 0.213 χ^2/NDF : 6719.4/18

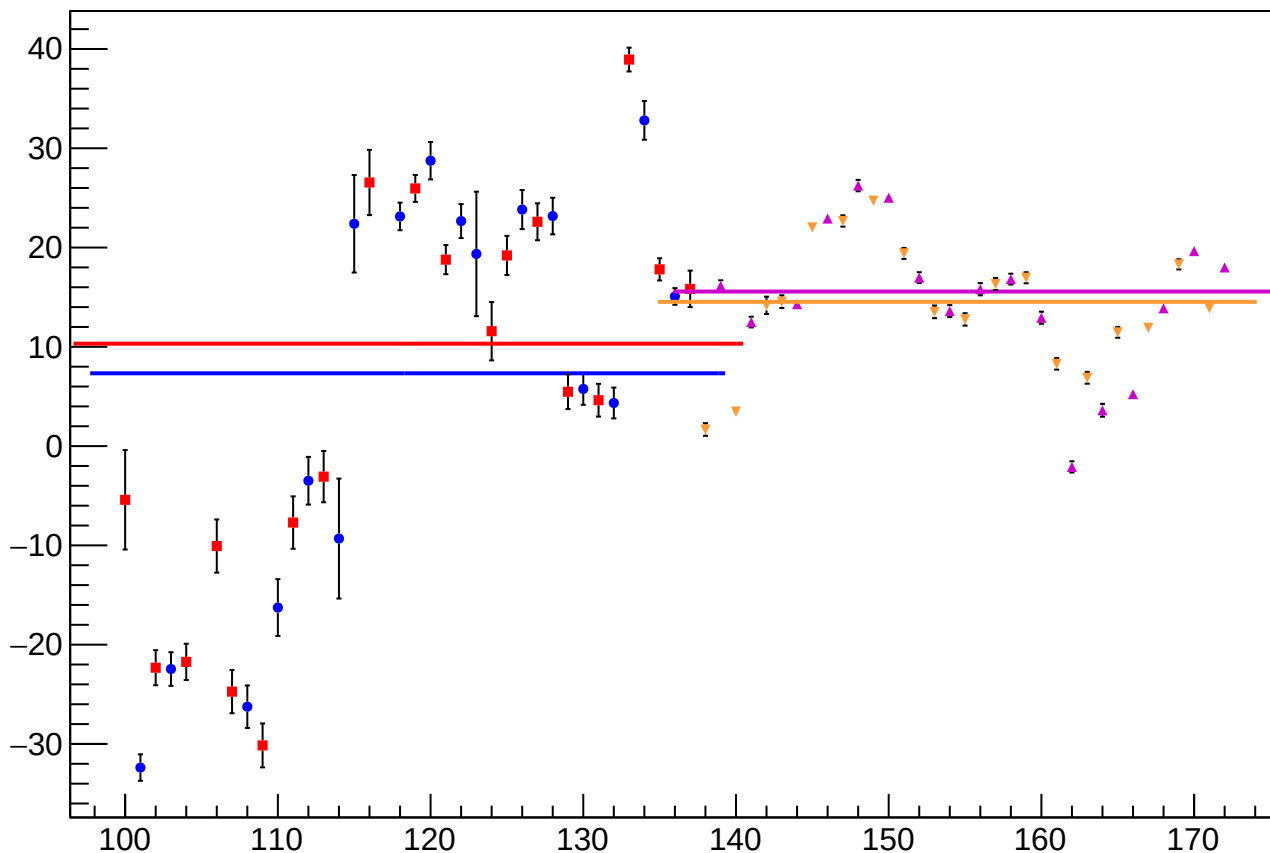
Left In: 6.241 ± 0.093 χ^2/NDF : 3597.7/16

+ sign 6.659 ± 0.085 χ^2/NDF : 7687.7/34

All: 6.630 ± 0.060 χ^2/NDF : 18100.6/70

- sign 6.602 ± 0.085 χ^2/NDF : 10412.7/35

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333 $\pm$ 0.419 χ^2 /NDF: 2293.1/16

Left Out: 14.530 $\pm$ 0.127 χ^2 /NDF:2578.8/17

Right Out: 10.317 $\pm$ 0.417 χ^2 /NDF: 2281.5/18

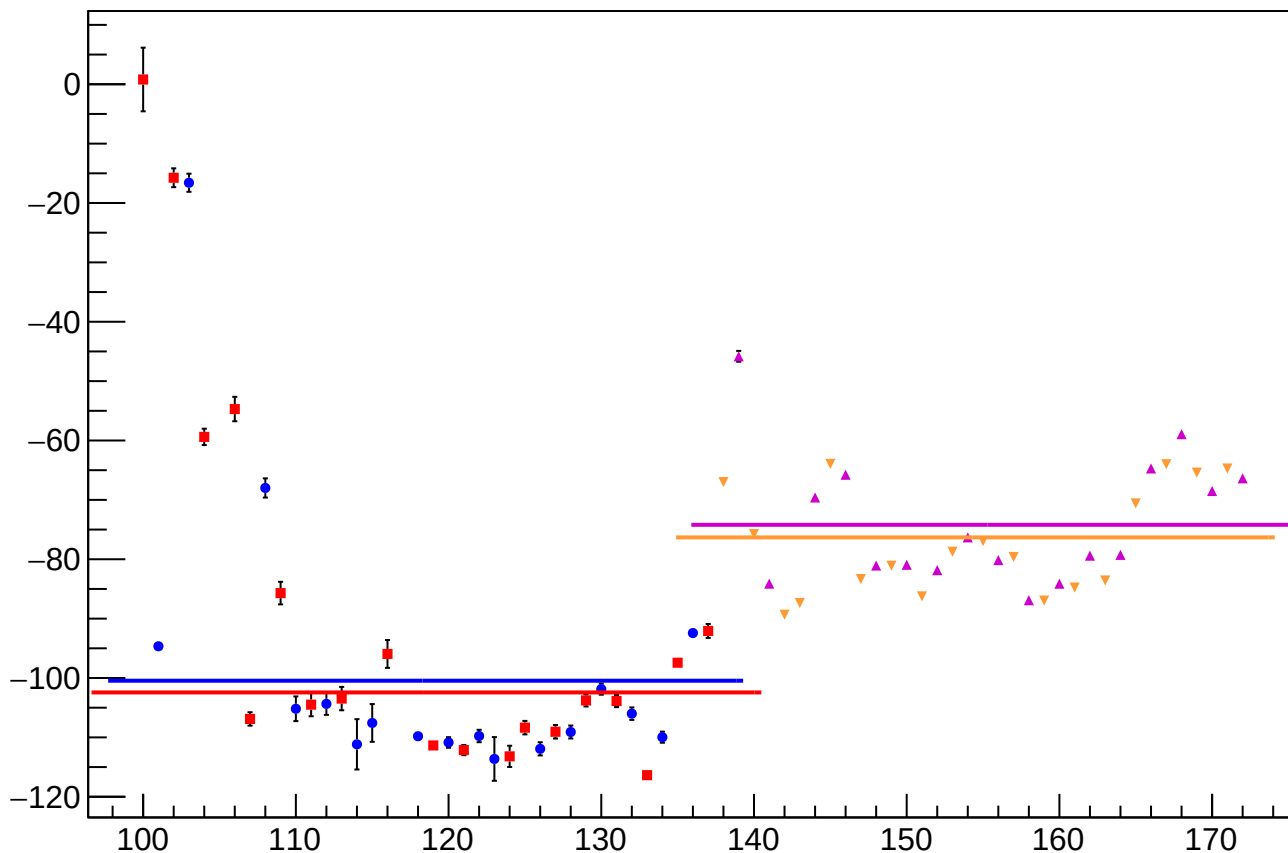
Left In: 15.568 $\pm$ 0.125 χ^2 /NDF:3169.5/16

+ sign 13.927 $\pm$ 0.121 χ^2 /NDF: 5142.8/34

All: 14.539 $\pm$ 0.085 χ^2 /NDF: 10789.7/70

- sign 15.135 $\pm$ 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: -76.318 ± 0.107 χ^2/NDF : 7132.3/17

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

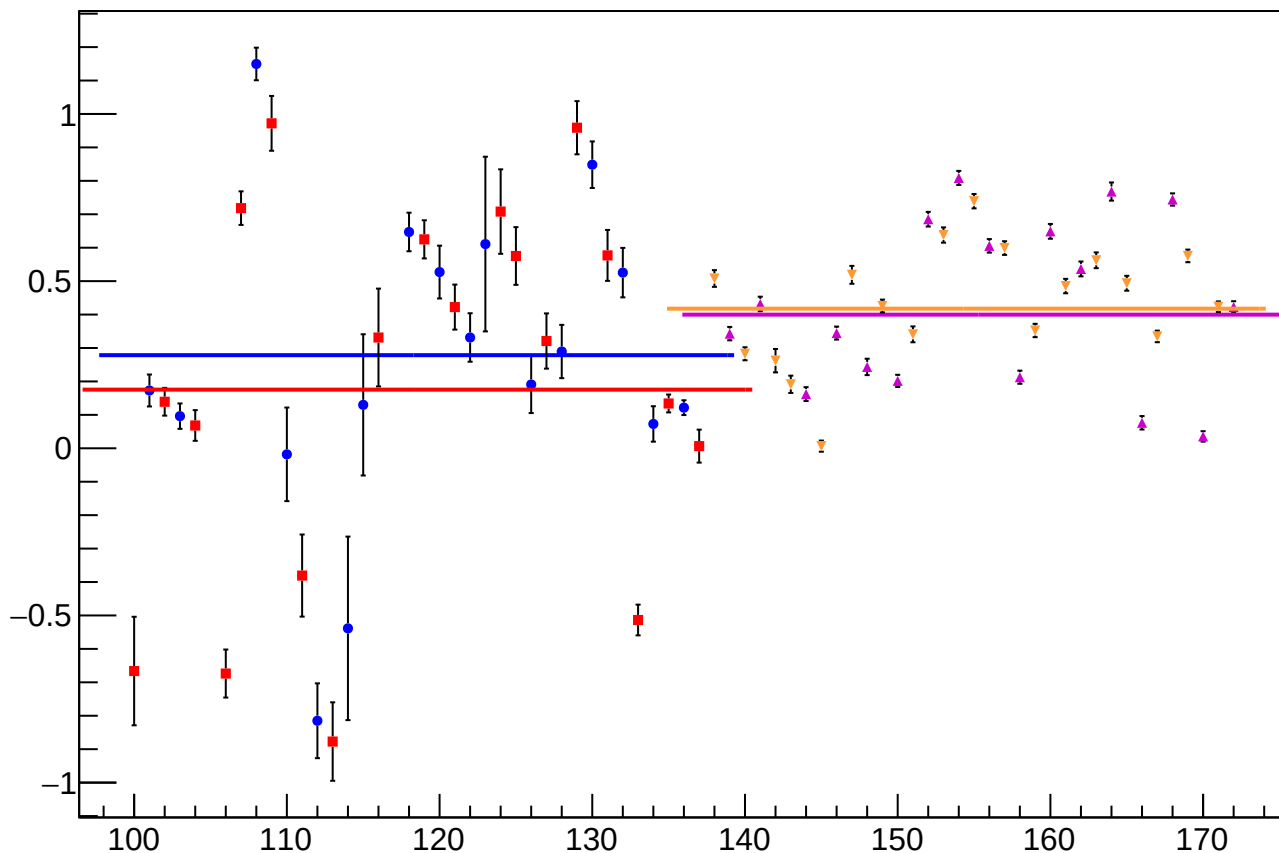
Left In: -74.199 ± 0.107 χ^2/NDF : 6895.8/16

+ sign -80.012 ± 0.098 χ^2/NDF : 19442.7/34

All: -79.337 ± 0.069 χ^2/NDF : 43592.4/70

- 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: 0.418 $\pm$ 0.005 χ^2 /NDF:1348.4/17

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

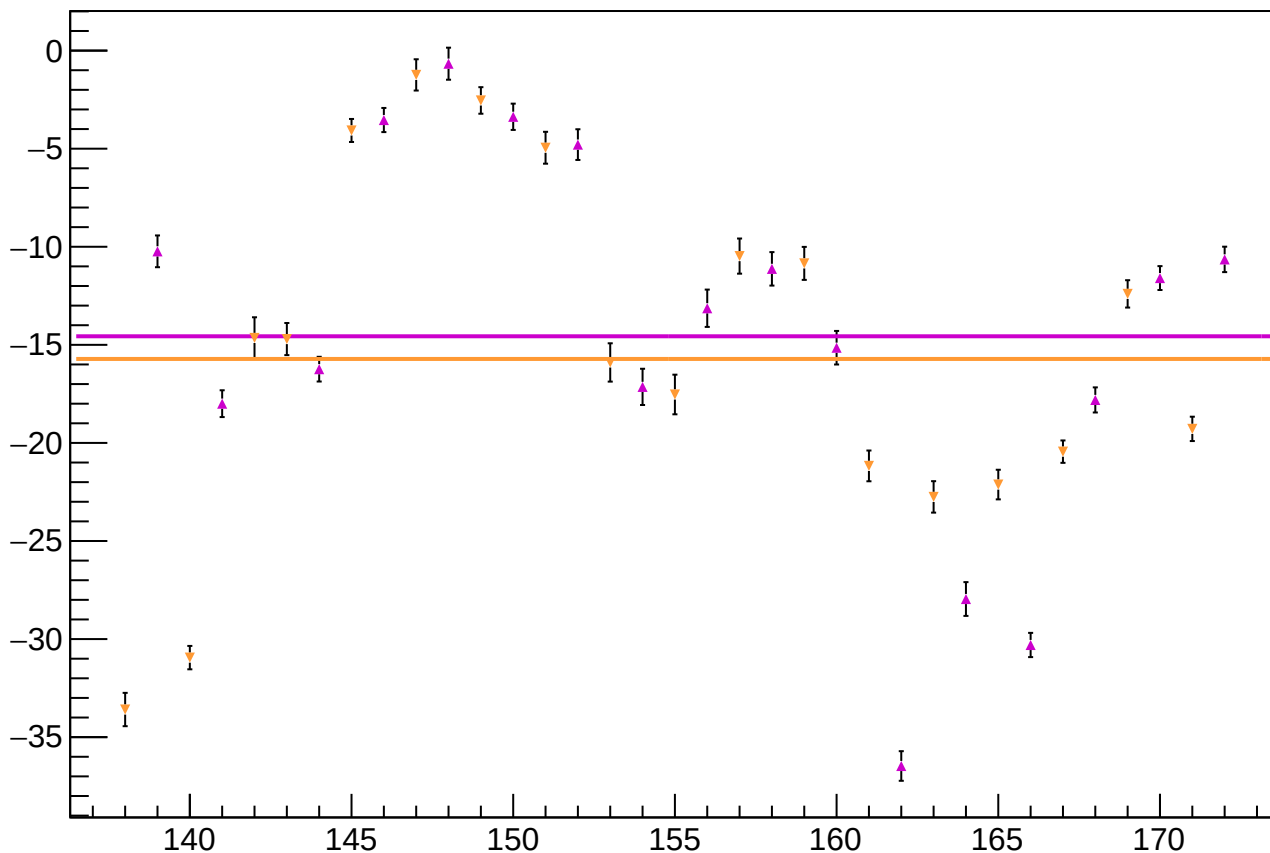
Left In: 0.400 $\pm$ 0.005 χ^2 /NDF:2551.7/16

+ sign 0.401 $\pm$ 0.005 χ^2 /NDF: 2095.7/34

All: 0.387 $\pm$ 0.003 χ^2 /NDF: 5877.7/70

- 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: -15.719+/-0.176 χ^2/NDF : 2769.3/17

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

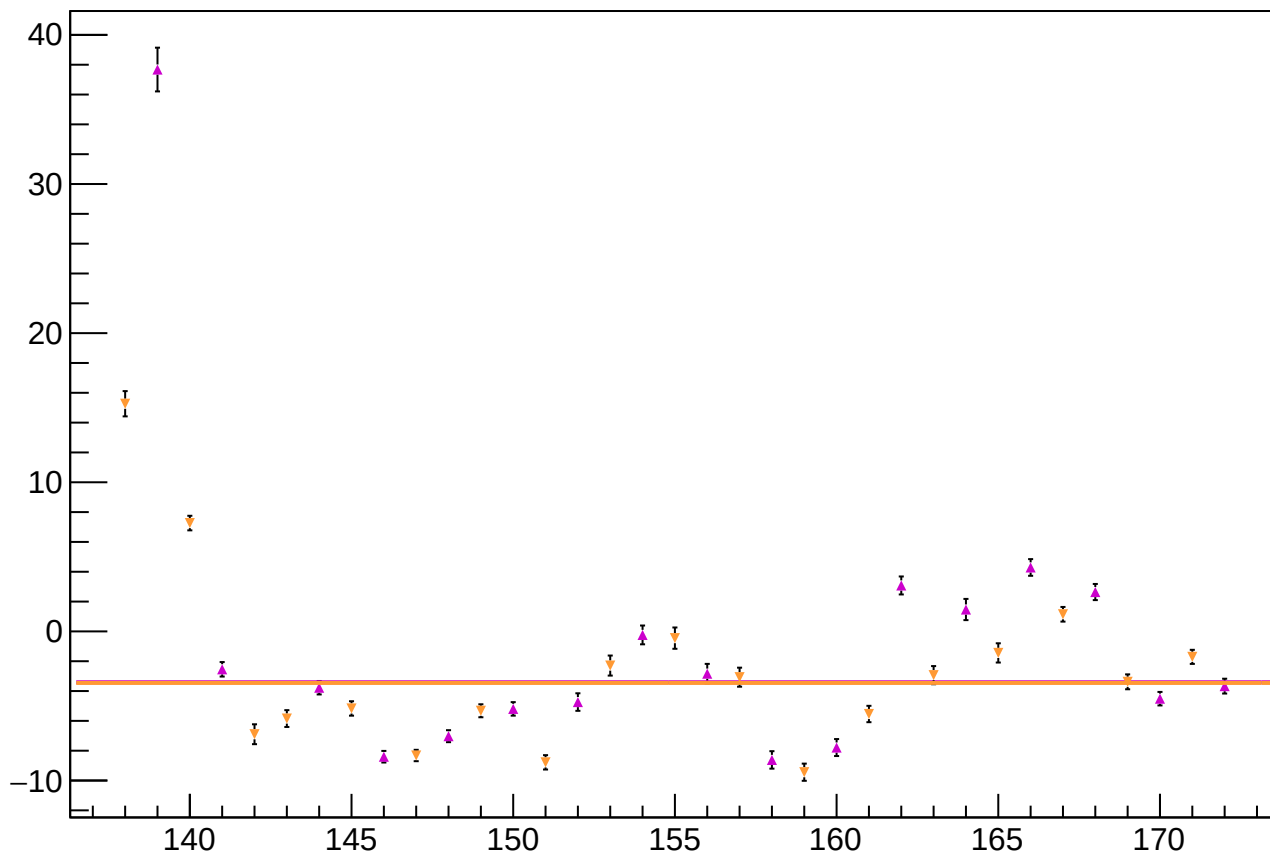
Left In: -14.564+/-0.176 χ^2/NDF : 2951.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.138+/-0.124 χ^2/NDF : 5742.6/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

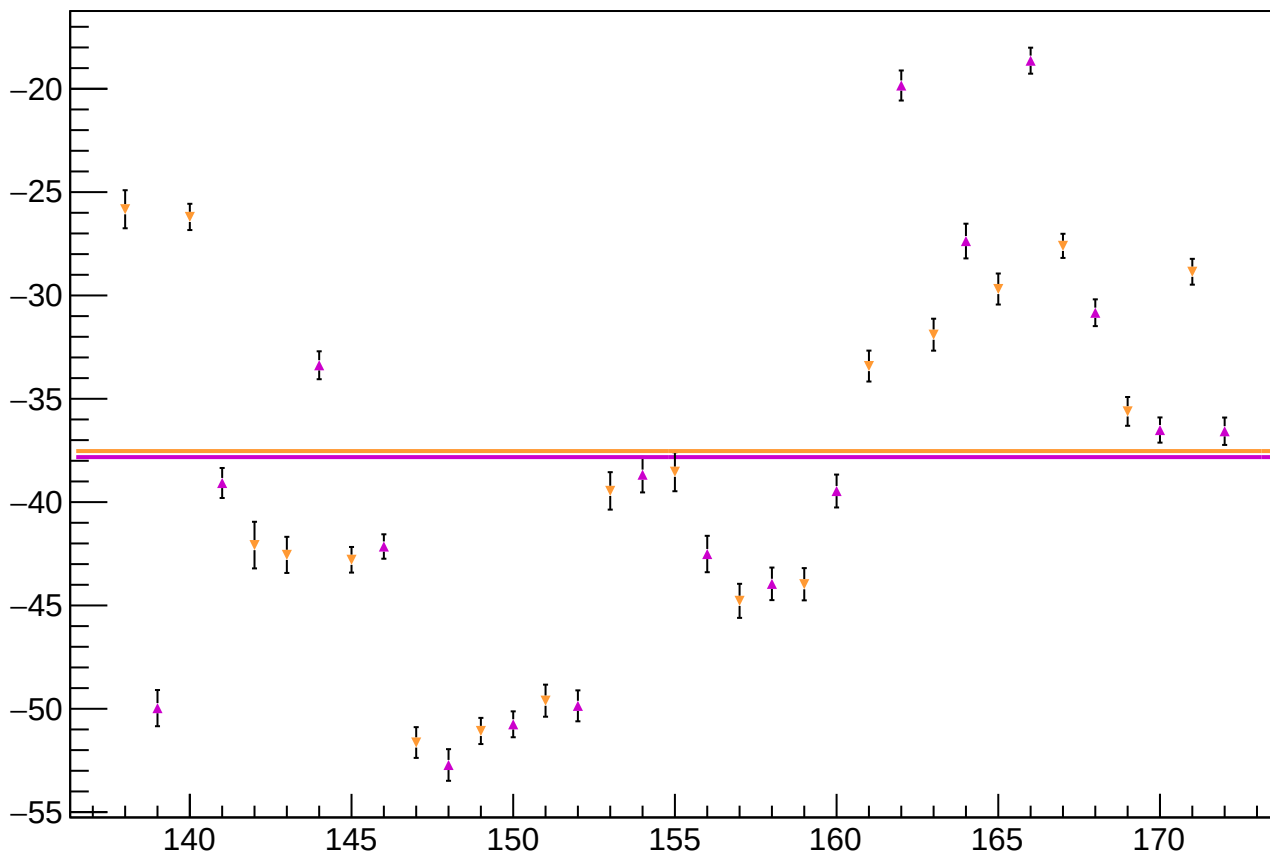
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.455+/-0.127 χ^2/NDF :1585.3/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.409+/-0.128 χ^2/NDF :1702.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -3.432+/-0.090 χ^2/NDF : 3288.1/34
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -37.529+/-0.175 χ^2/NDF : 2493.1/17

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

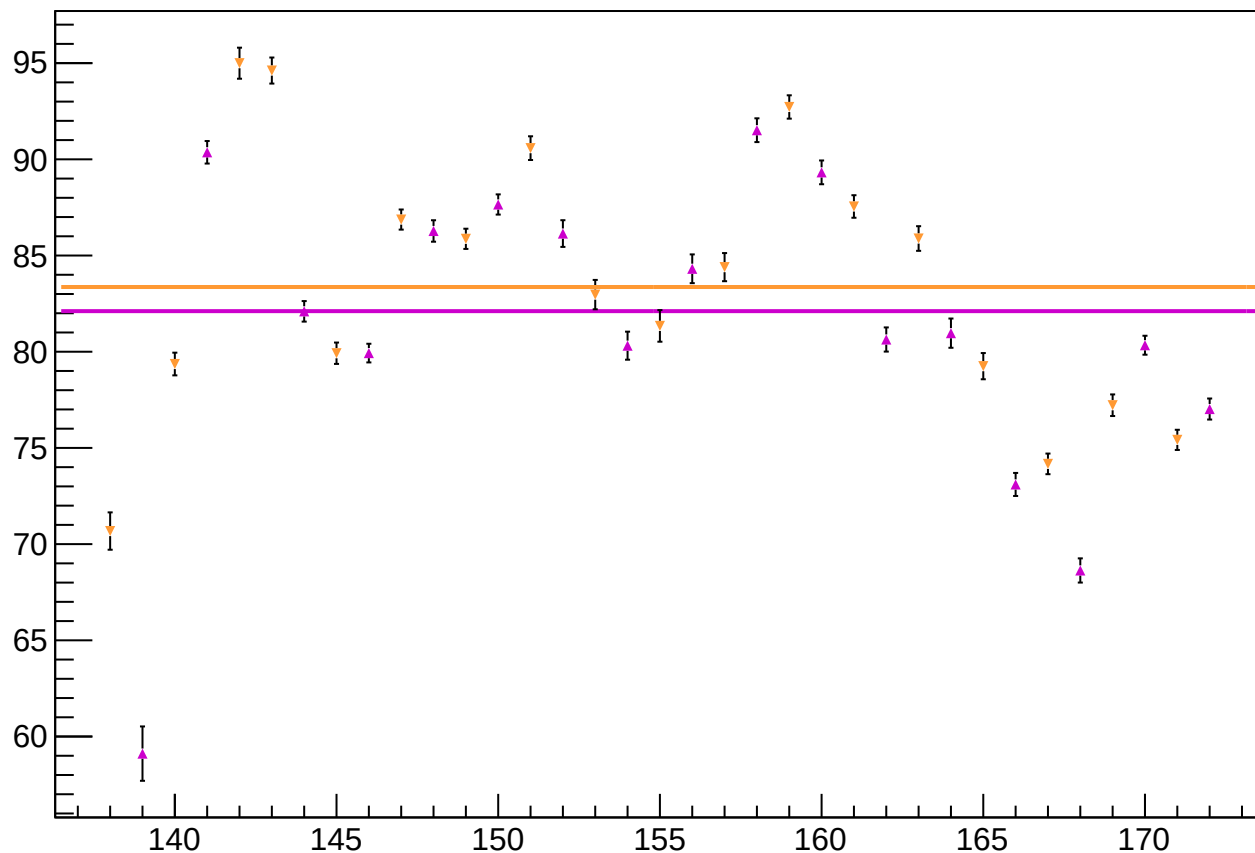
Left In: -37.822+/-0.173 χ^2/NDF : 3269.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -37.678+/-0.123 χ^2/NDF : 5763.6/34

- 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: 83.364+/-0.147 χ^2/NDF :1935.9/17

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

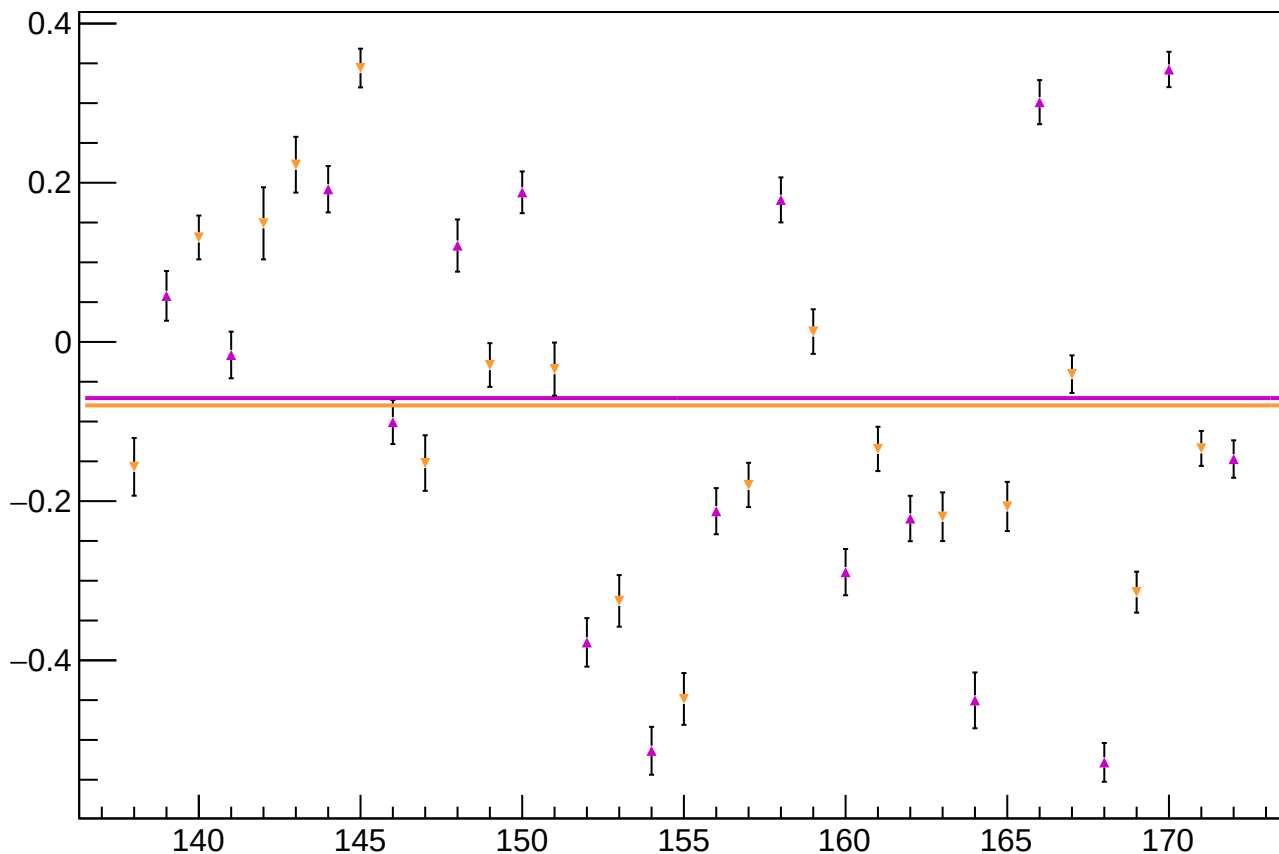
Left In: 82.109+/-0.147 χ^2/NDF :1860.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 82.739+/-0.104 χ^2/NDF : 3833.0/34

- 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: -0.080 $\pm$ 0.007 χ^2 /NDF:819.3/17

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

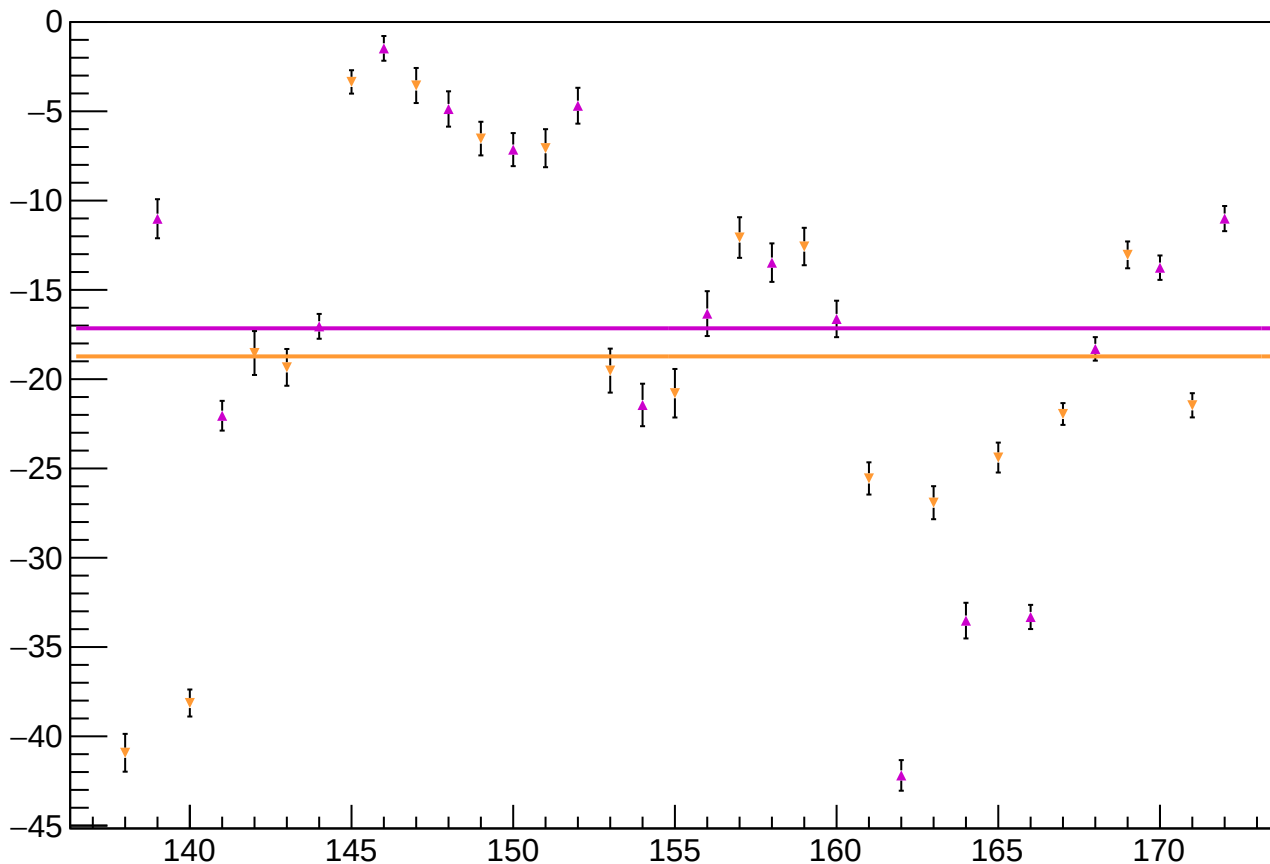
Left In: -0.071 $\pm$ 0.007 χ^2 /NDF:1744.7/16

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

All: -0.075 $\pm$ 0.005 χ^2 /NDF: 2564.9/34

- 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: -18.725+/-0.209 χ^2/NDF : 2529.5/17

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

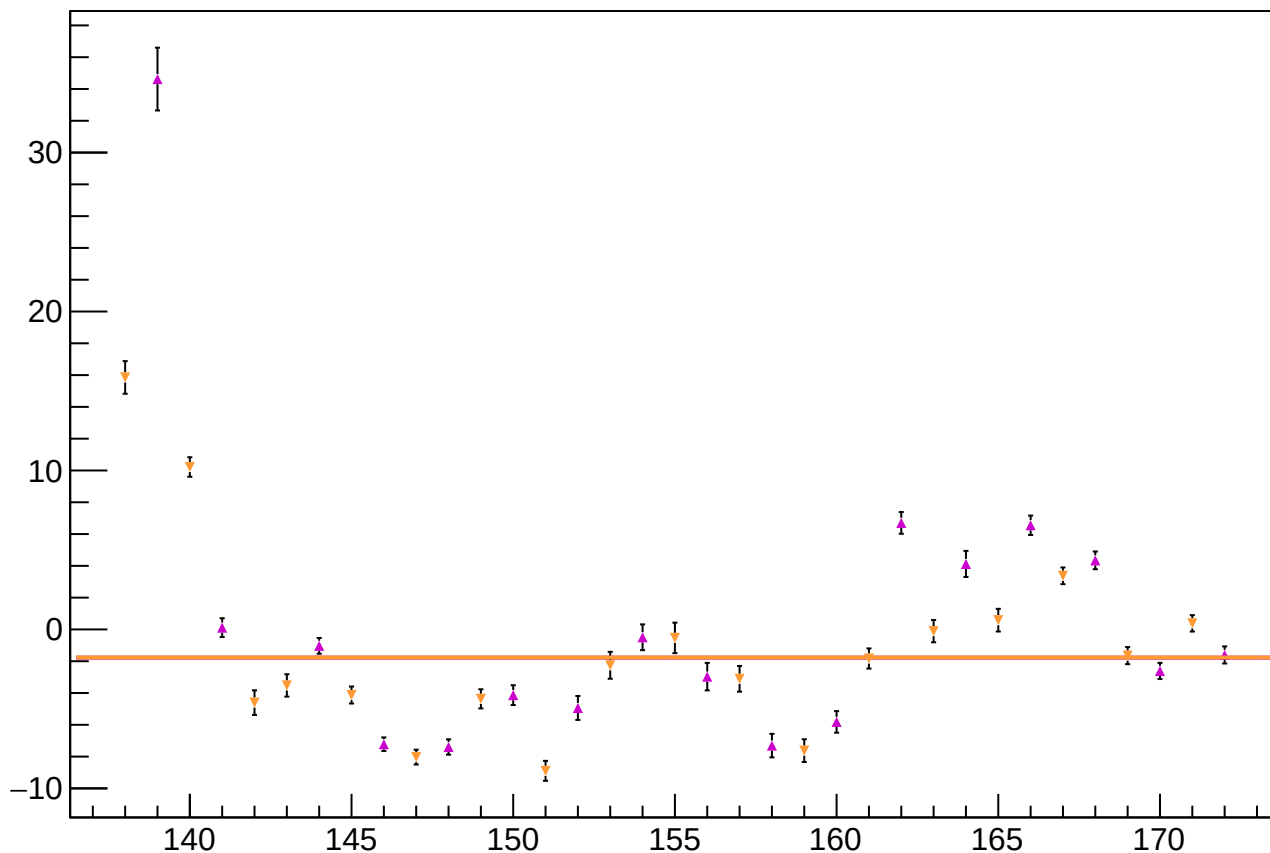
Left In: -17.152+/-0.205 χ^2/NDF : 2825.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.925+/-0.146 χ^2/NDF : 5383.5/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -1.765+/-0.151 χ^2/NDF : 1243.7/17

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

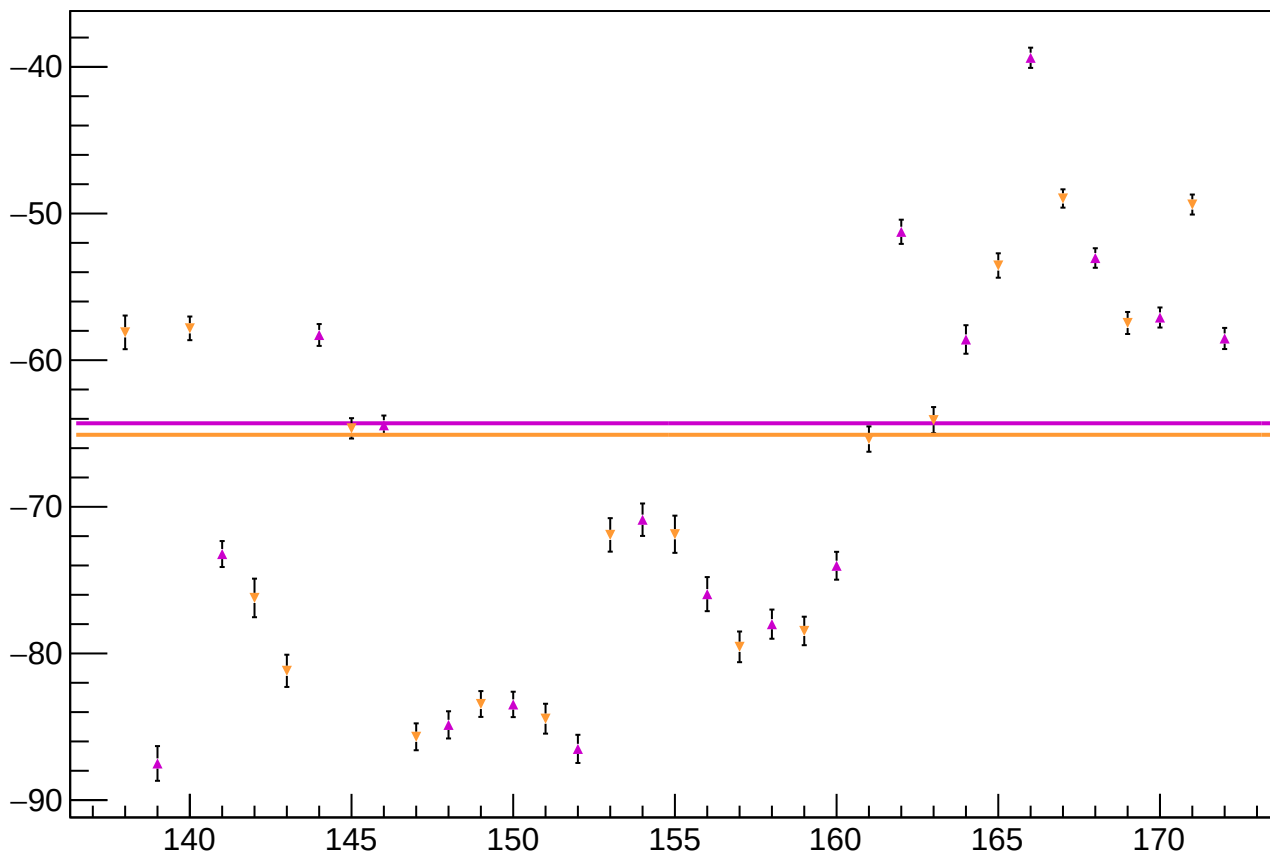
Left In: -1.775+/-0.149 χ^2/NDF : 1290.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1.770+/-0.106 χ^2/NDF : 2534.6/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -65.088+/-0.208 χ^2/NDF : 3640.9/17

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

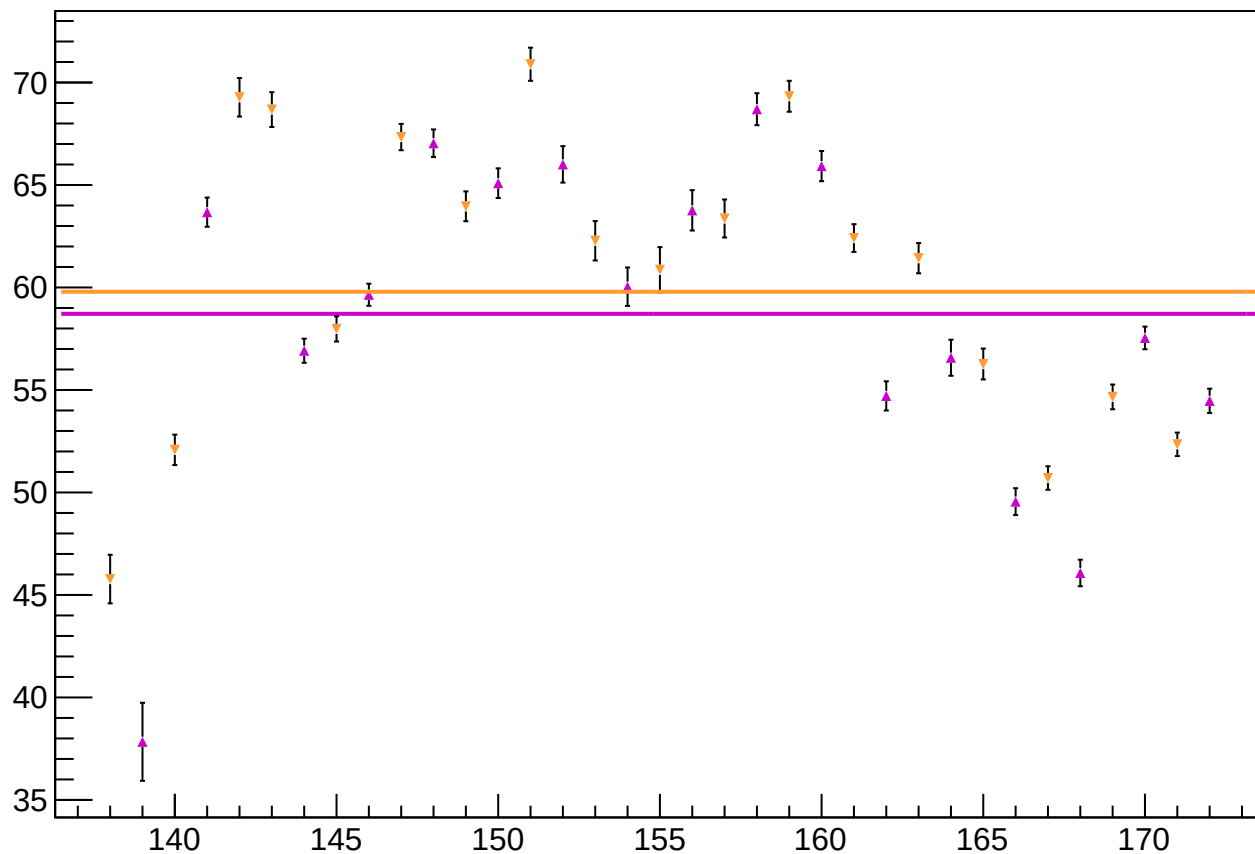
Left In: -64.303+/-0.203 χ^2/NDF : 4549.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -64.686+/-0.145 χ^2/NDF : 8197.8/34

- 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: 59.791+/-0.174 χ^2/NDF : 1543.5/17

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

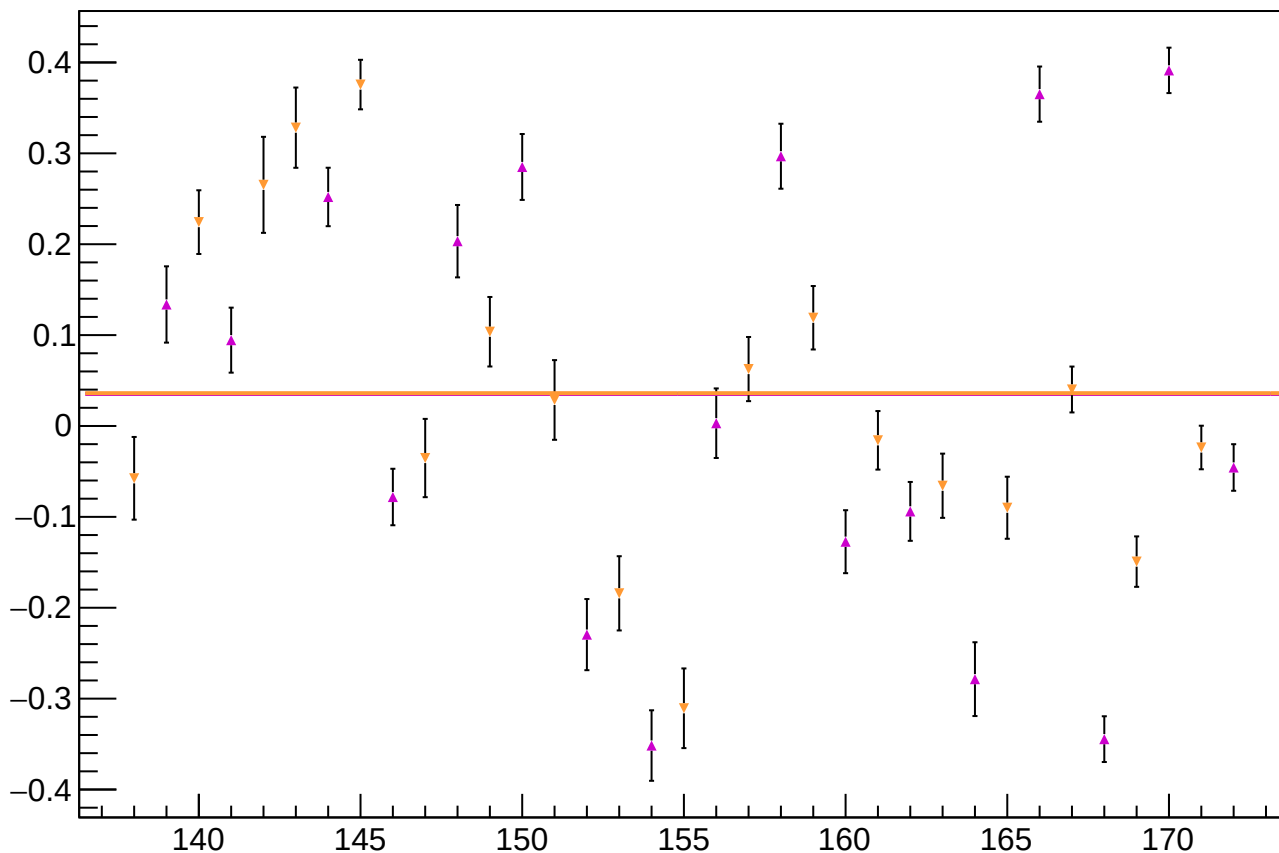
Left In: 58.715+/-0.172 χ^2/NDF : 1436.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 59.247+/-0.122 χ^2/NDF : 2999.3/34

- 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: 0.036 $\pm$ 0.008 χ^2 /NDF:430.1/17

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

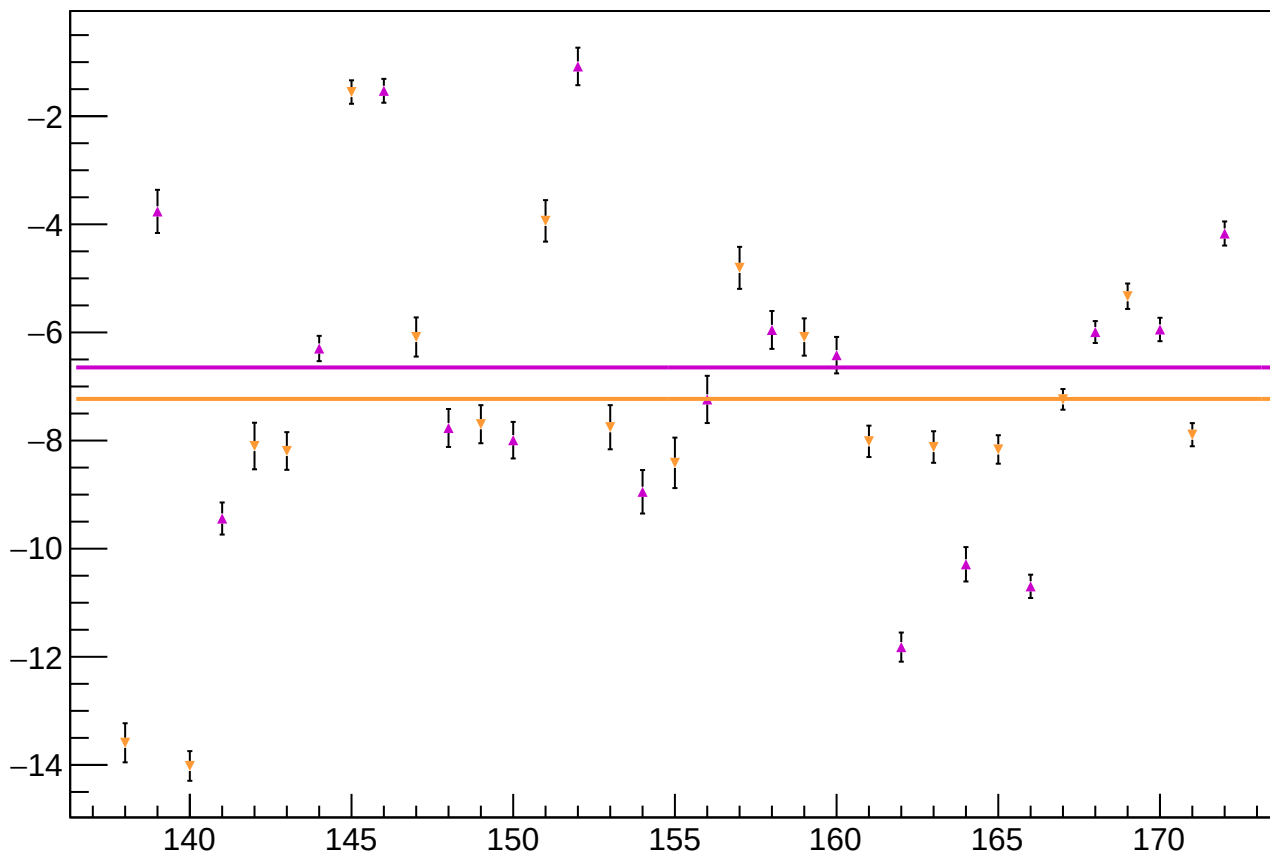
Left In: 0.035 $\pm$ 0.008 χ^2 /NDF:988.1/16

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

All: 0.036 $\pm$ 0.006 χ^2 /NDF: 1418.1/34

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

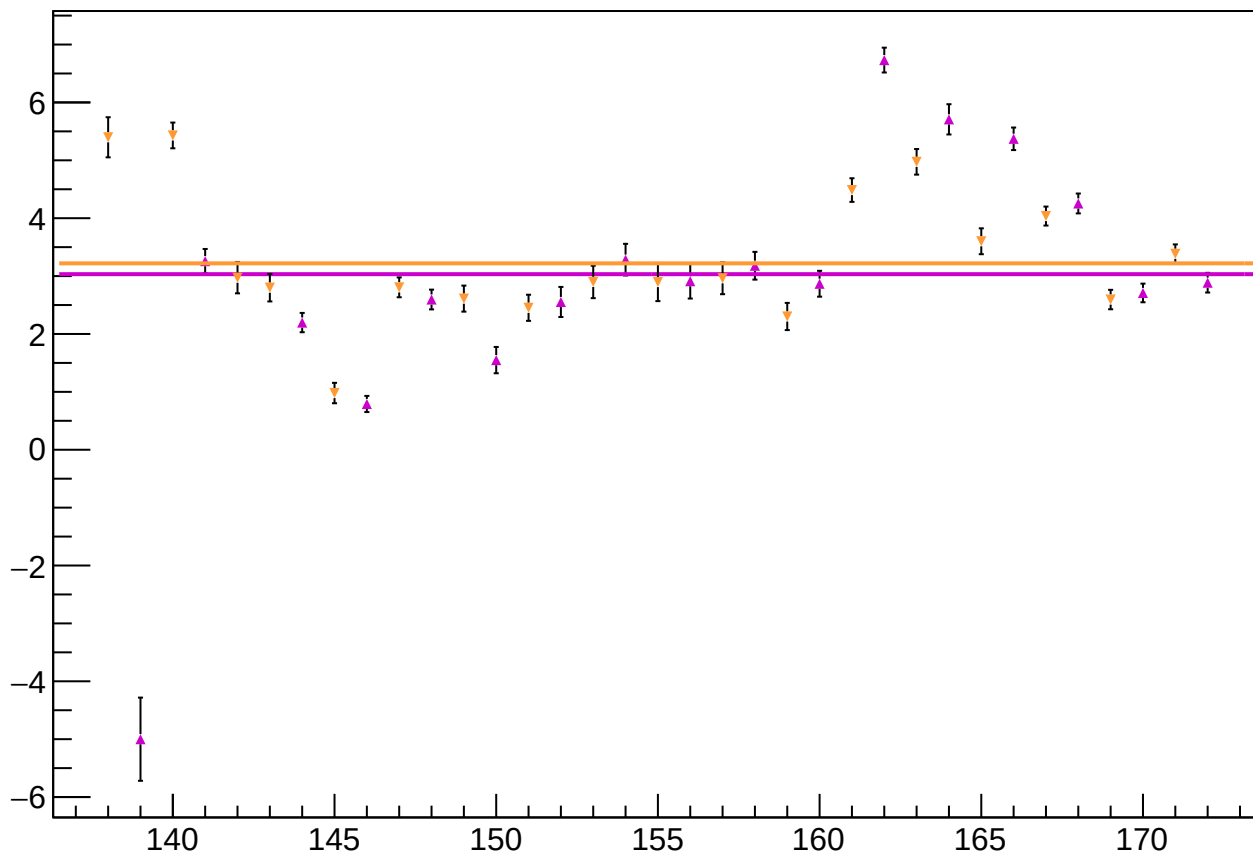
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -7.230 $\pm$ 0.069 χ^2/NDF :1864.1/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -6.648 $\pm$ 0.067 χ^2/NDF :1998.2/16

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 All: -6.931 $\pm$ 0.048 χ^2/NDF : 3898.7/34
 - sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

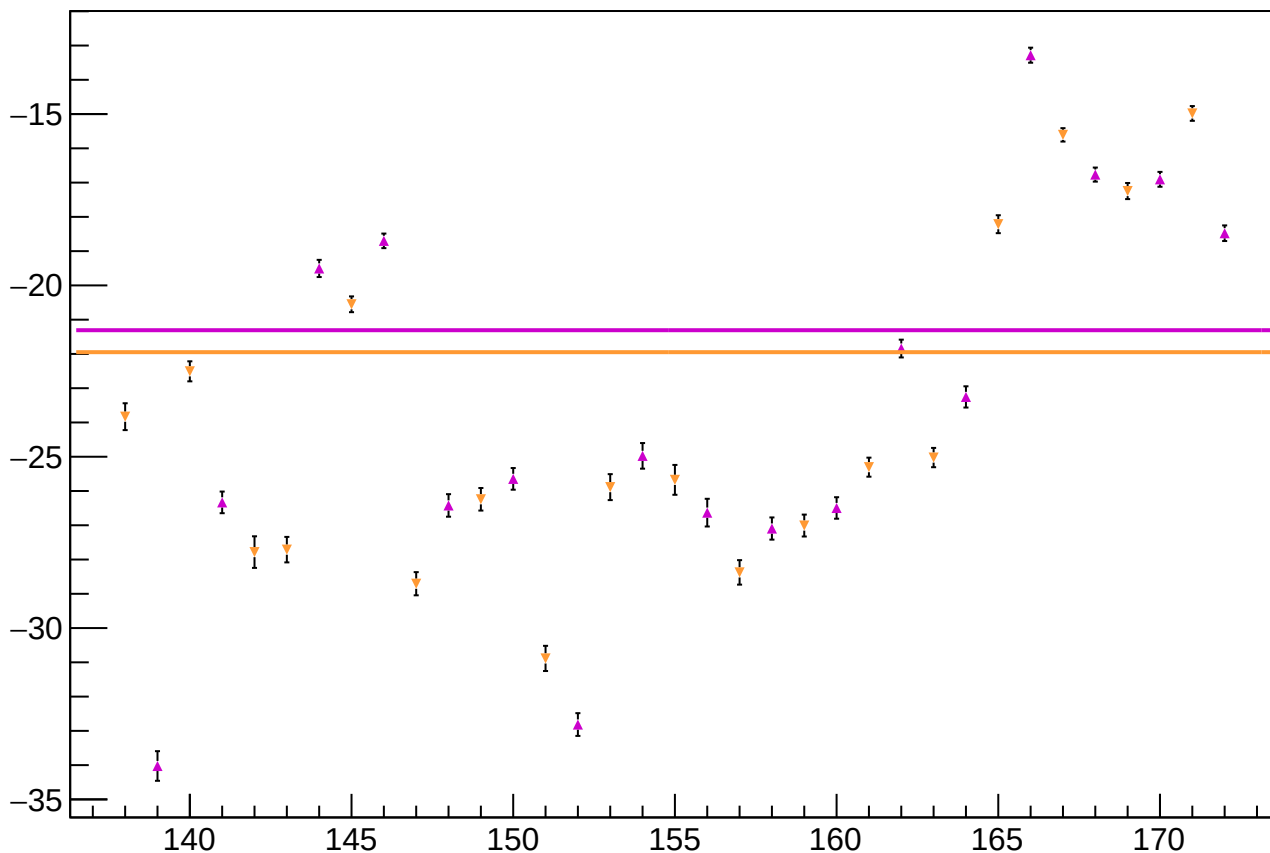
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.220 $\pm$ 0.050 χ^2 /NDF:491.0/17
 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: 3.124 $\pm$ 0.035 χ^2 /NDF: 1563.7/34
 - 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: -21.948+/-0.069 χ^2/NDF : 5344.6/17

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

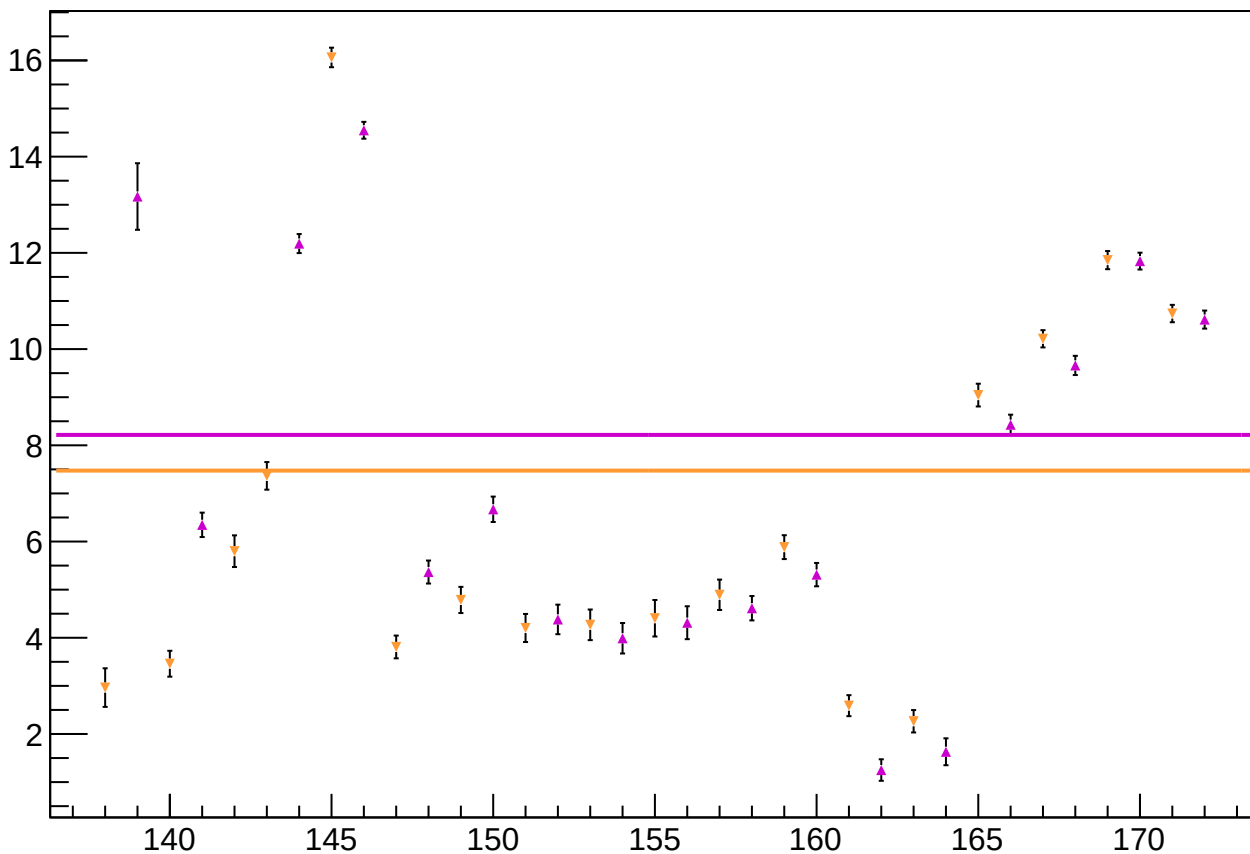
Left In: -21.308+/-0.067 χ^2/NDF : 6246.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.617+/-0.048 χ^2/NDF : 11636.1/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 7.475+/-0.058 χ^2/NDF :5044.2/17

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

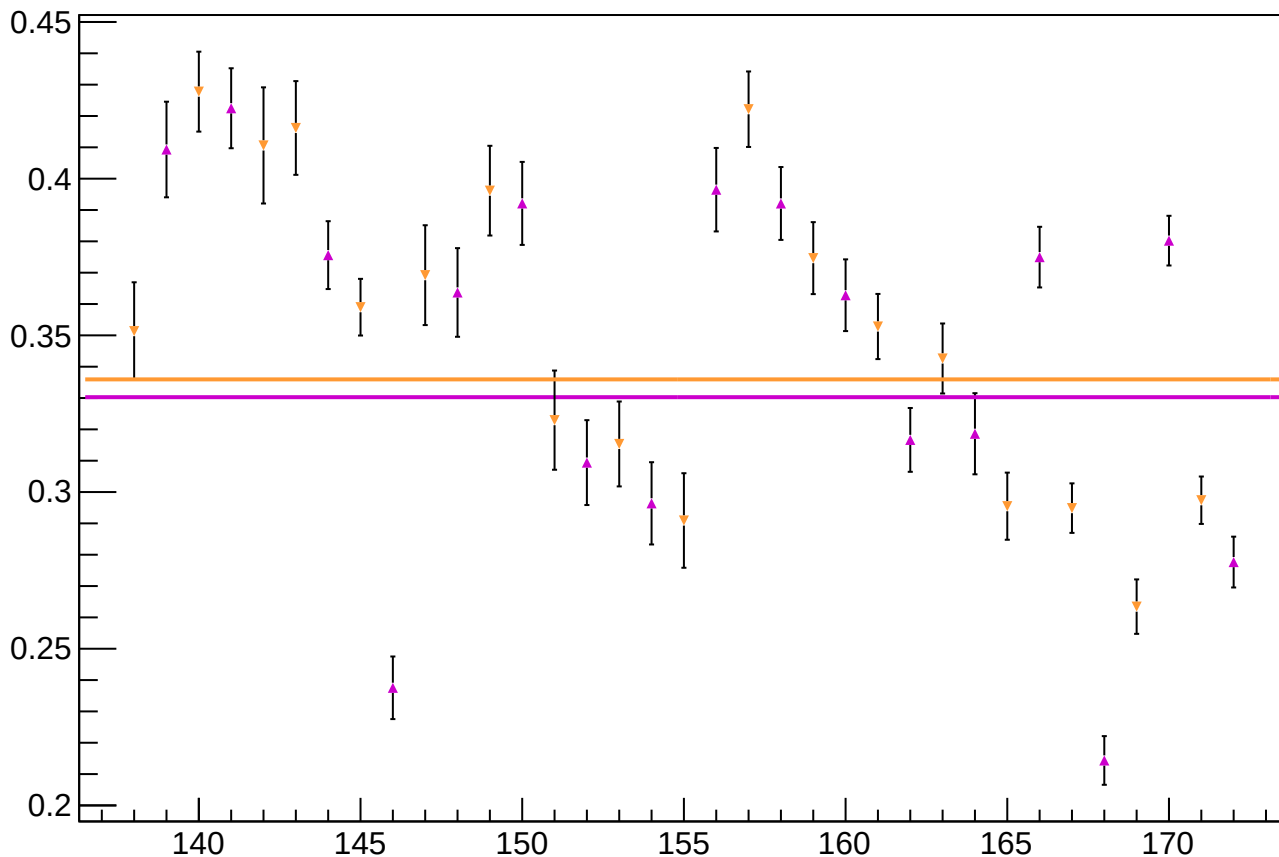
Left In: 8.216+/-0.057 χ^2/NDF :4974.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 7.853+/-0.040 χ^2/NDF : 10102.8/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

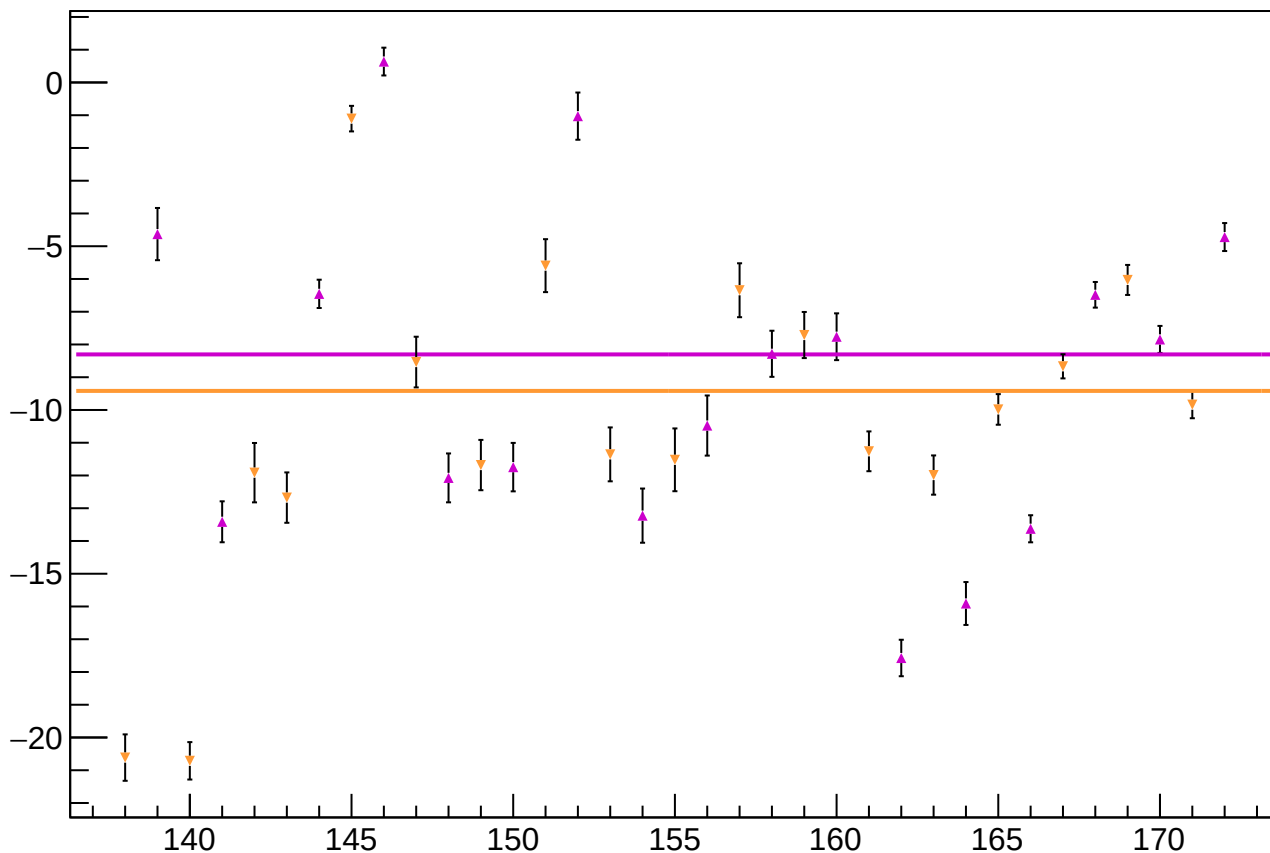
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.336 $\pm$ 0.003 χ^2 /NDF:340.8/17
 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: 0.333 $\pm$ 0.002 χ^2 /NDF: 951.7/34
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

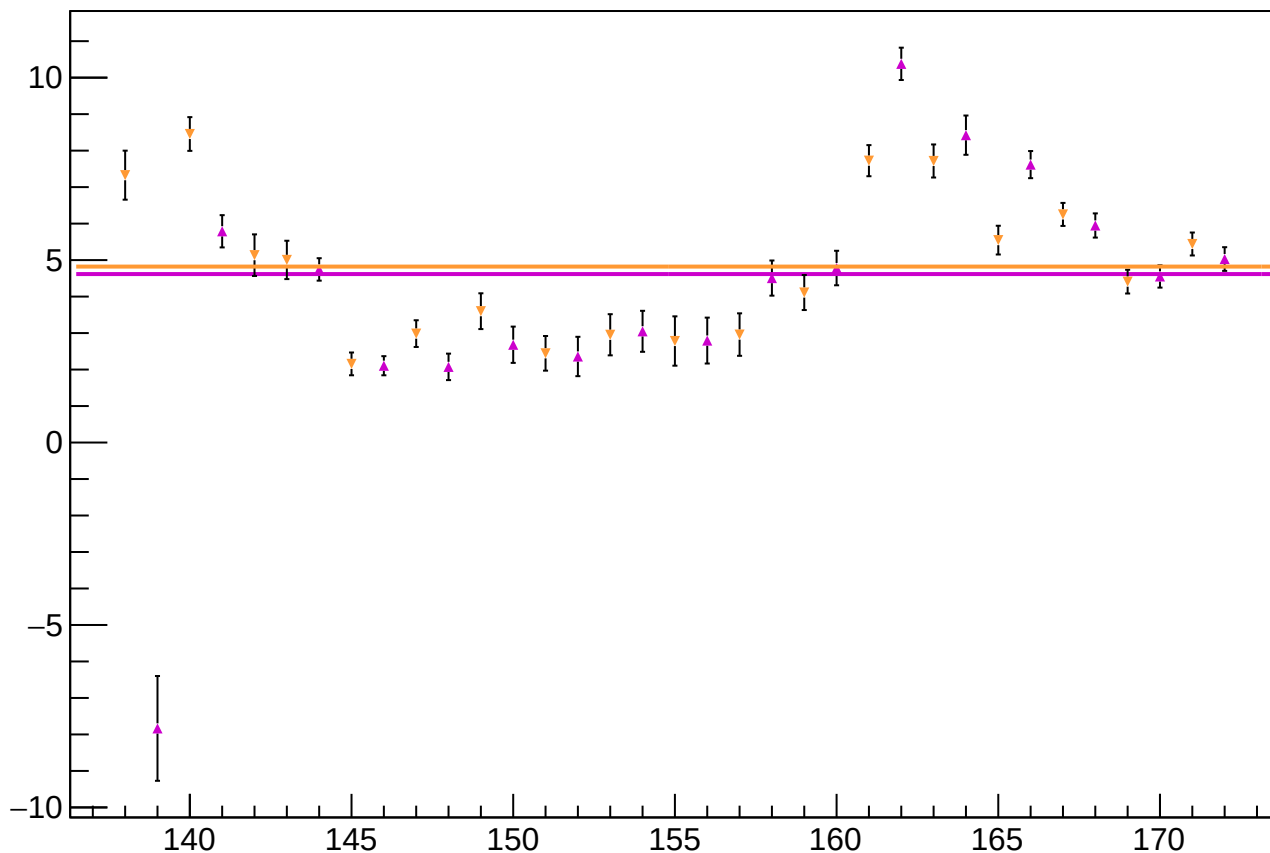
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.418+/-0.137 χ^2/NDF :1271.5/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.303+/-0.133 χ^2/NDF :1412.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -8.845+/-0.095 χ^2/NDF : 2717.9/34
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

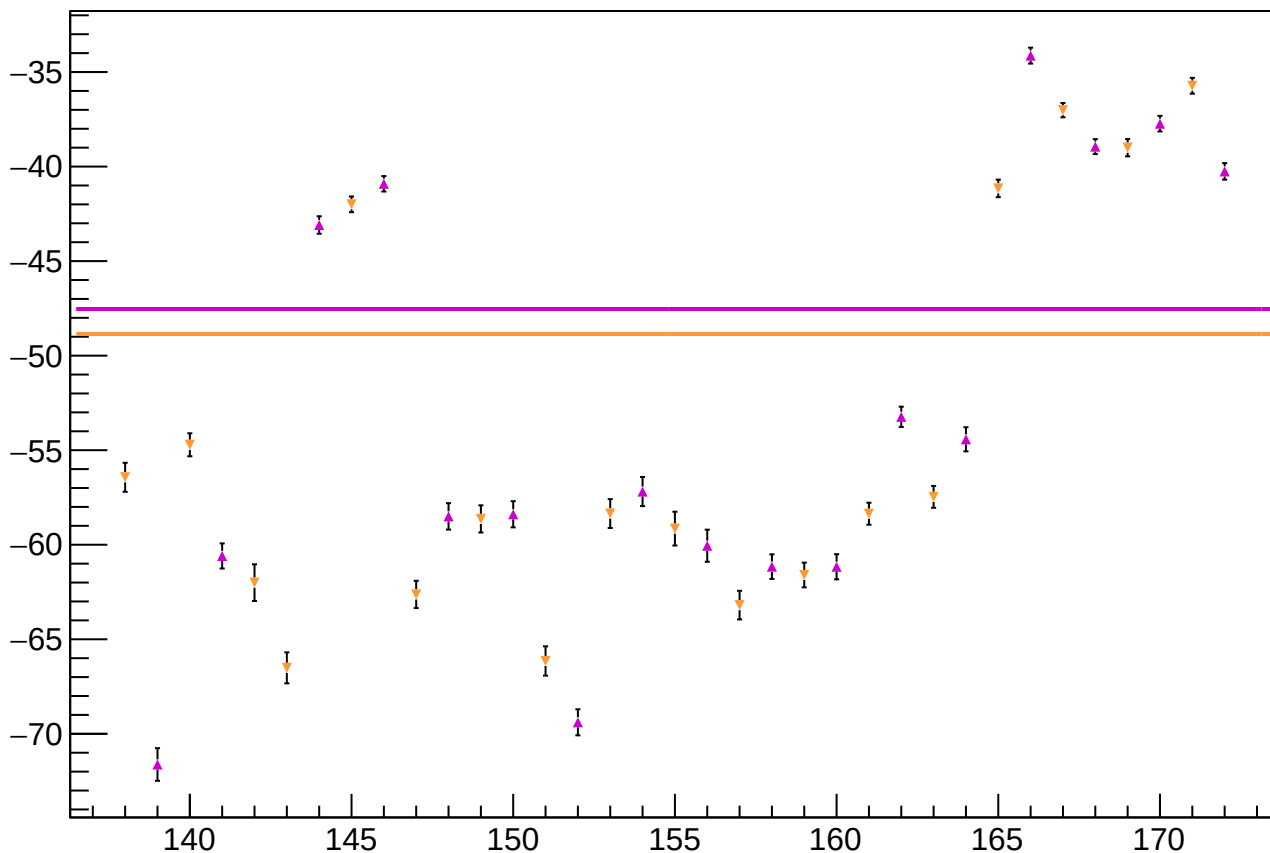
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: 4.822 +/- 0.101 χ^2/NDF : 354.6/17
 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: 4.716 +/- 0.070 χ^2/NDF : 931.3/34
 - 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: -48.855+/-0.137 χ^2/NDF : 6382.7/17

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

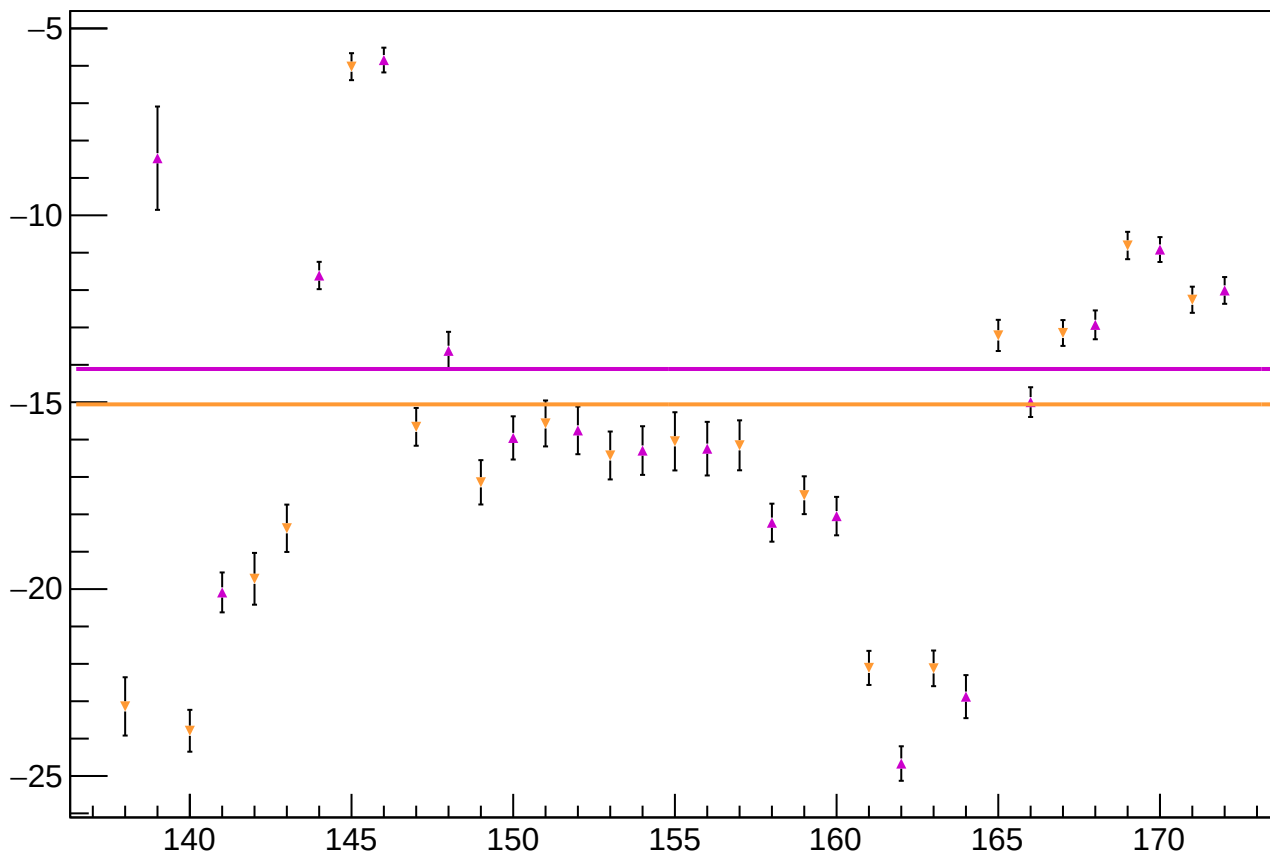
Left In: -47.533+/-0.132 χ^2/NDF : 6807.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -48.171+/-0.095 χ^2/NDF : 13238.1/34

- 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -15.058 $\pm$ 0.115 χ^2 /NDF:1803.8/17

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

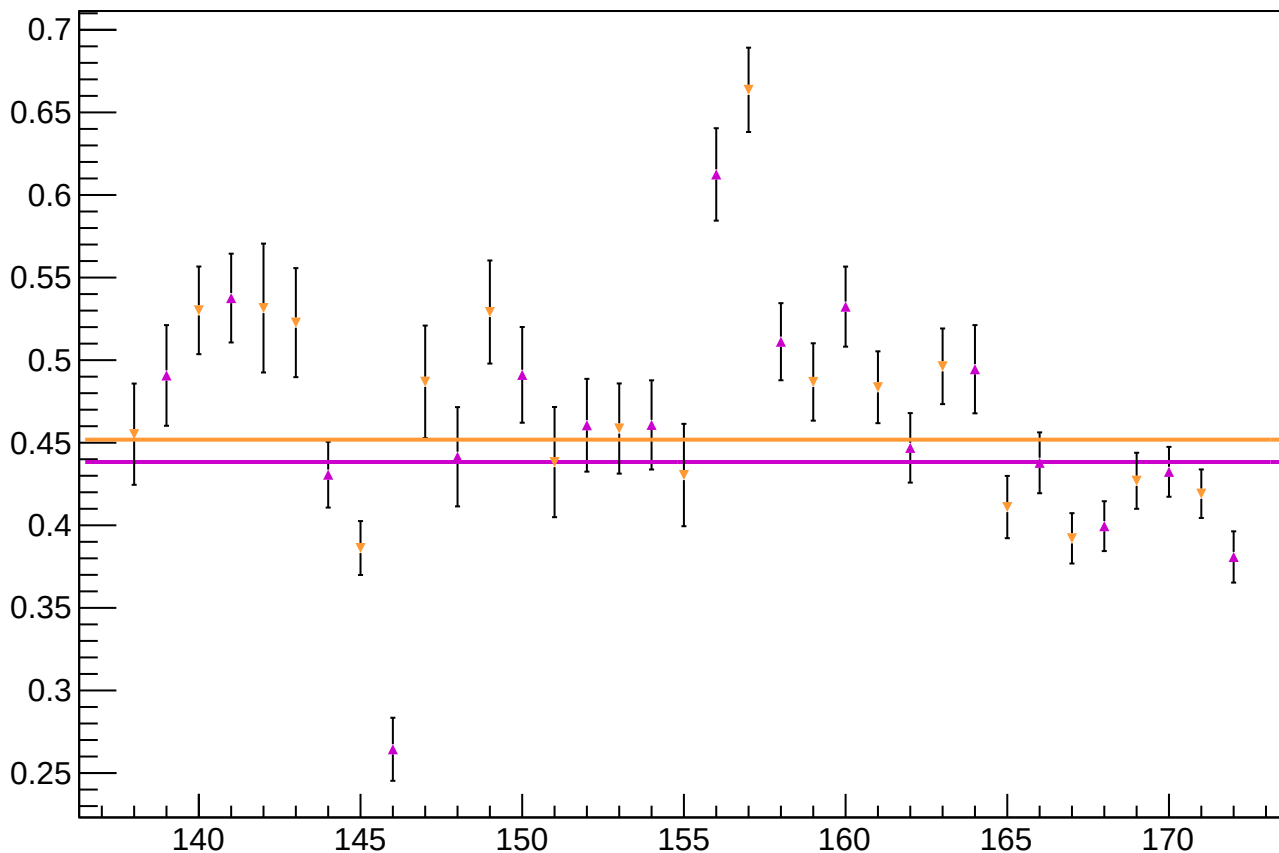
Left In: -14.111 $\pm$ 0.112 χ^2 /NDF:1868.9/16

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

All: -14.573 $\pm$ 0.080 χ^2 /NDF: 3707.4/34

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

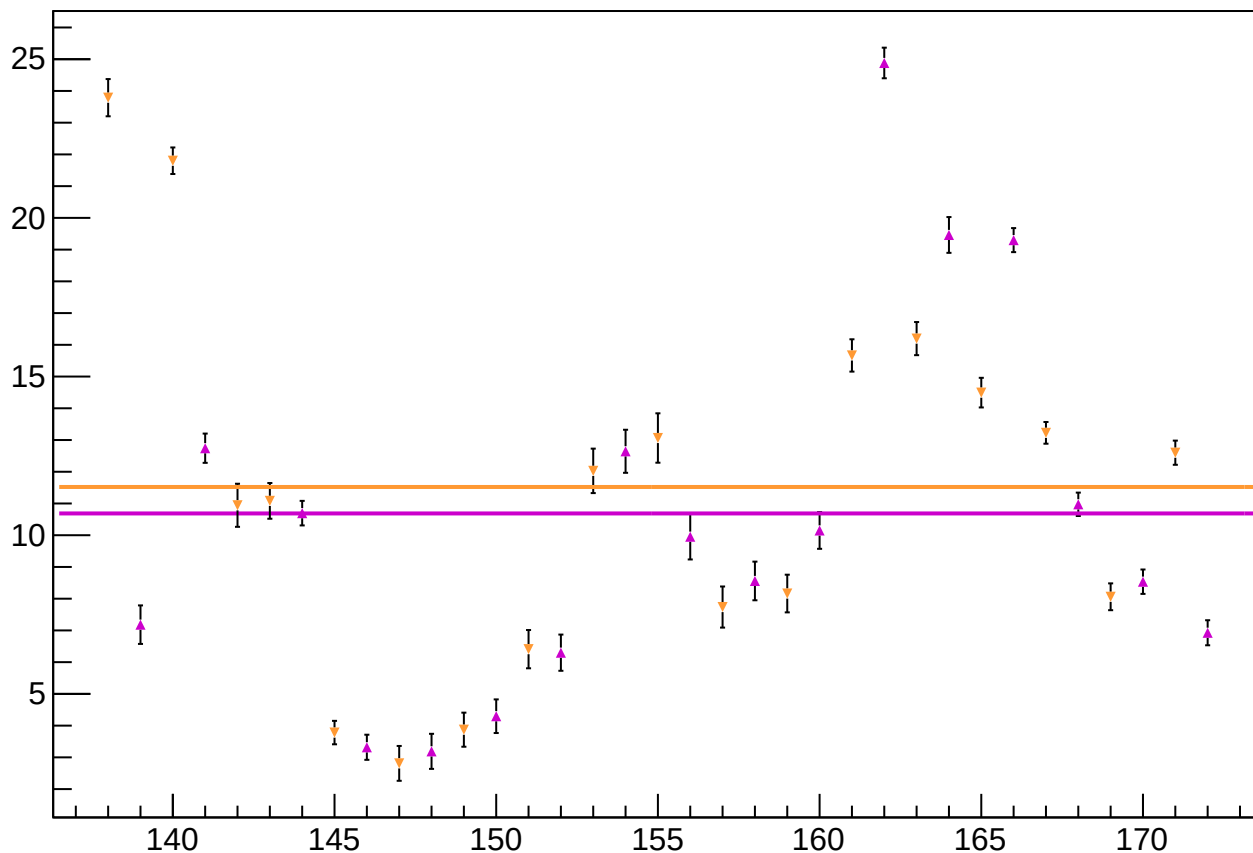
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.452 $\pm$ 0.005 χ^2 /NDF:145.7/17
 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: 0.445 $\pm$ 0.004 χ^2 /NDF: 342.0/34
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 11.520+/-0.117 χ^2/NDF : 2365.3/17

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

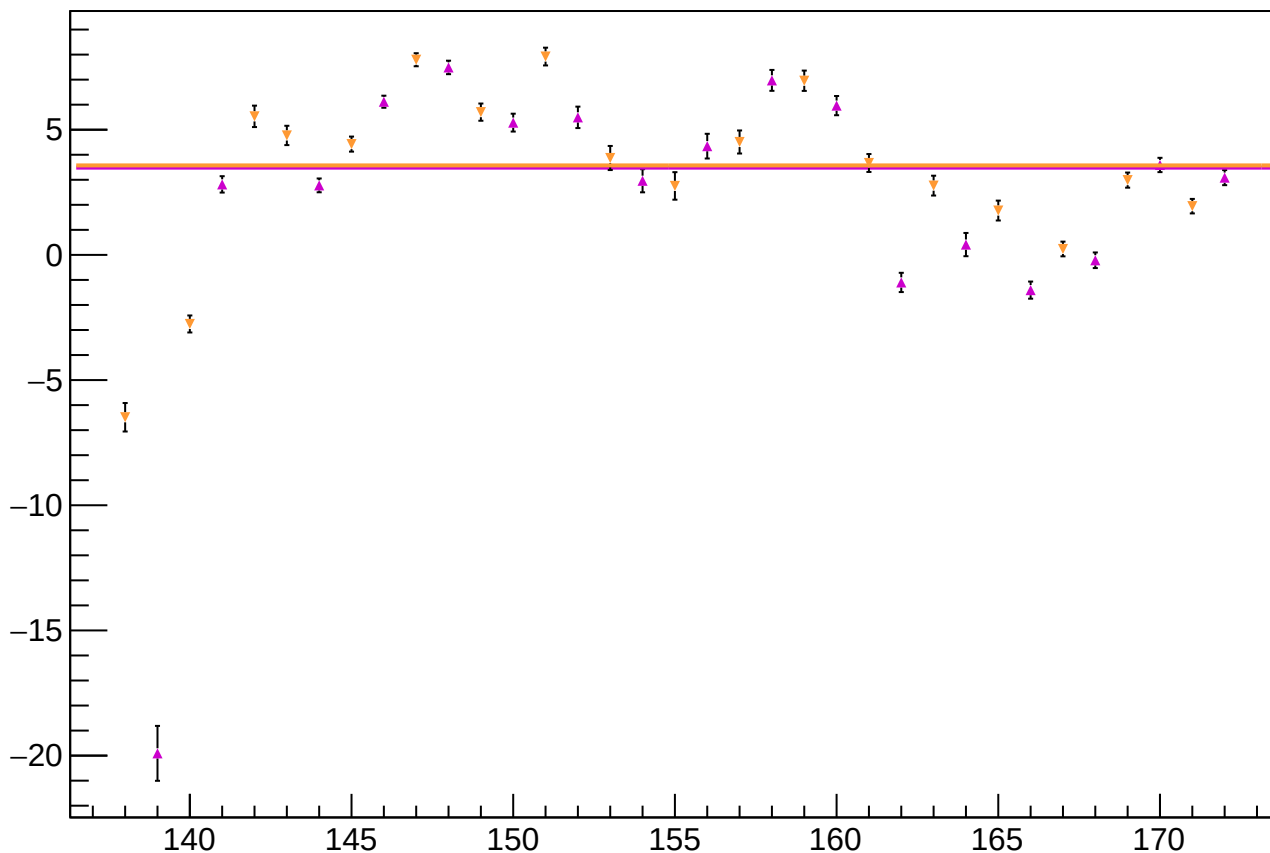
Left In: 10.686+/-0.115 χ^2/NDF : 2559.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 11.097+/-0.082 χ^2/NDF : 4950.8/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 3.574 $\pm$ 0.085 χ^2 /NDF:1414.7/17

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

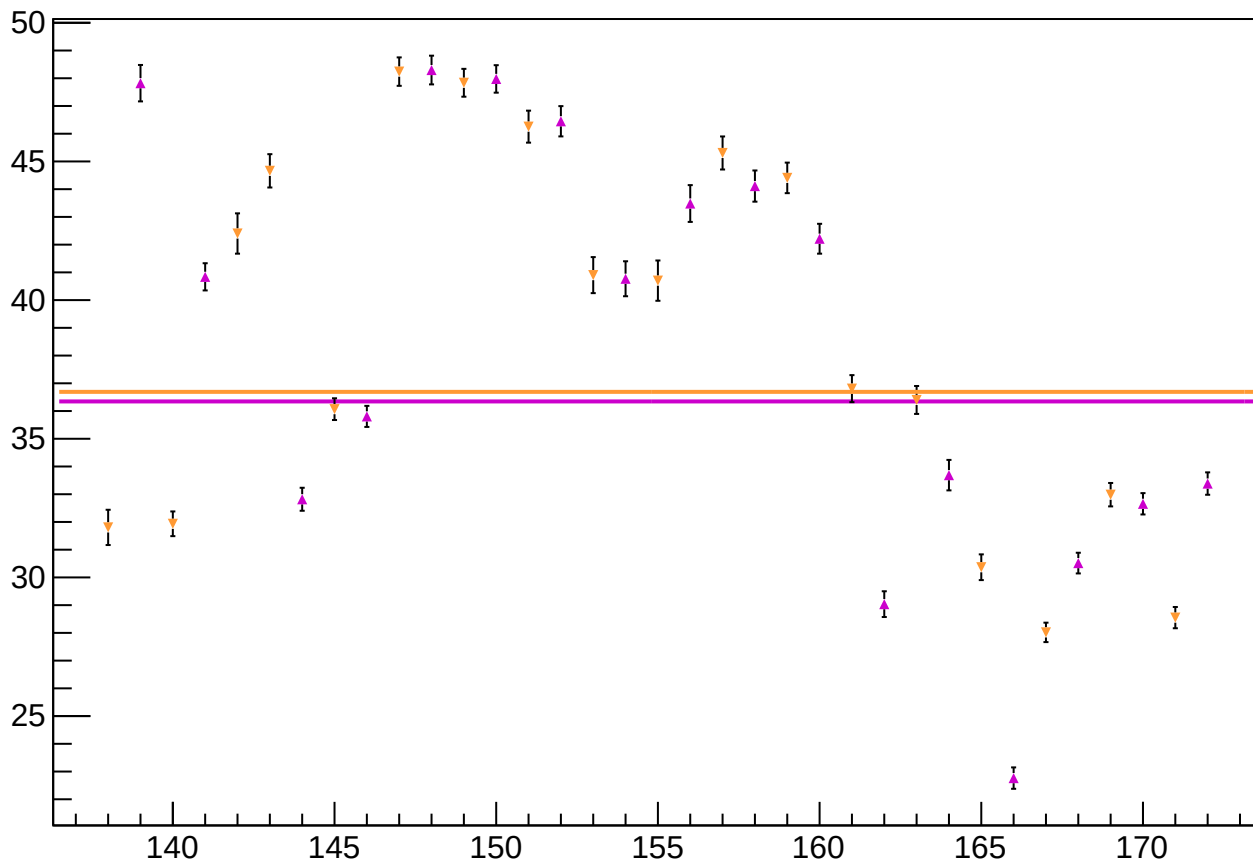
Left In: 3.485 $\pm$ 0.084 χ^2 /NDF:1501.8/16

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

All: 3.529 $\pm$ 0.060 χ^2 /NDF: 2917.0/34

- 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: 36.692+/-0.117 χ^2/NDF : 3493.4/17

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

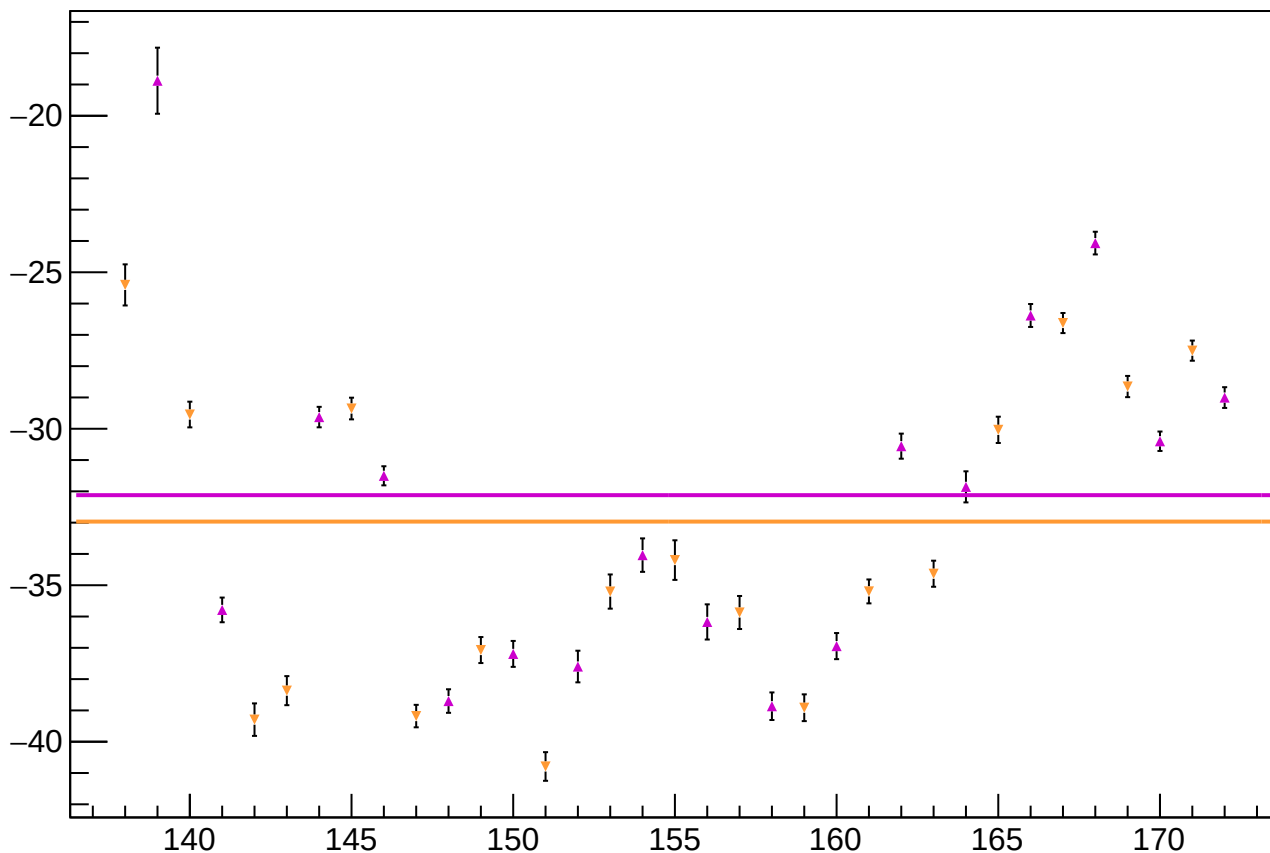
Left In: 36.346+/-0.114 χ^2/NDF : 4264.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 36.515+/-0.082 χ^2/NDF : 7762.2/34

- 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: -32.966+/-0.098 χ^2/NDF : 2467.1/17

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

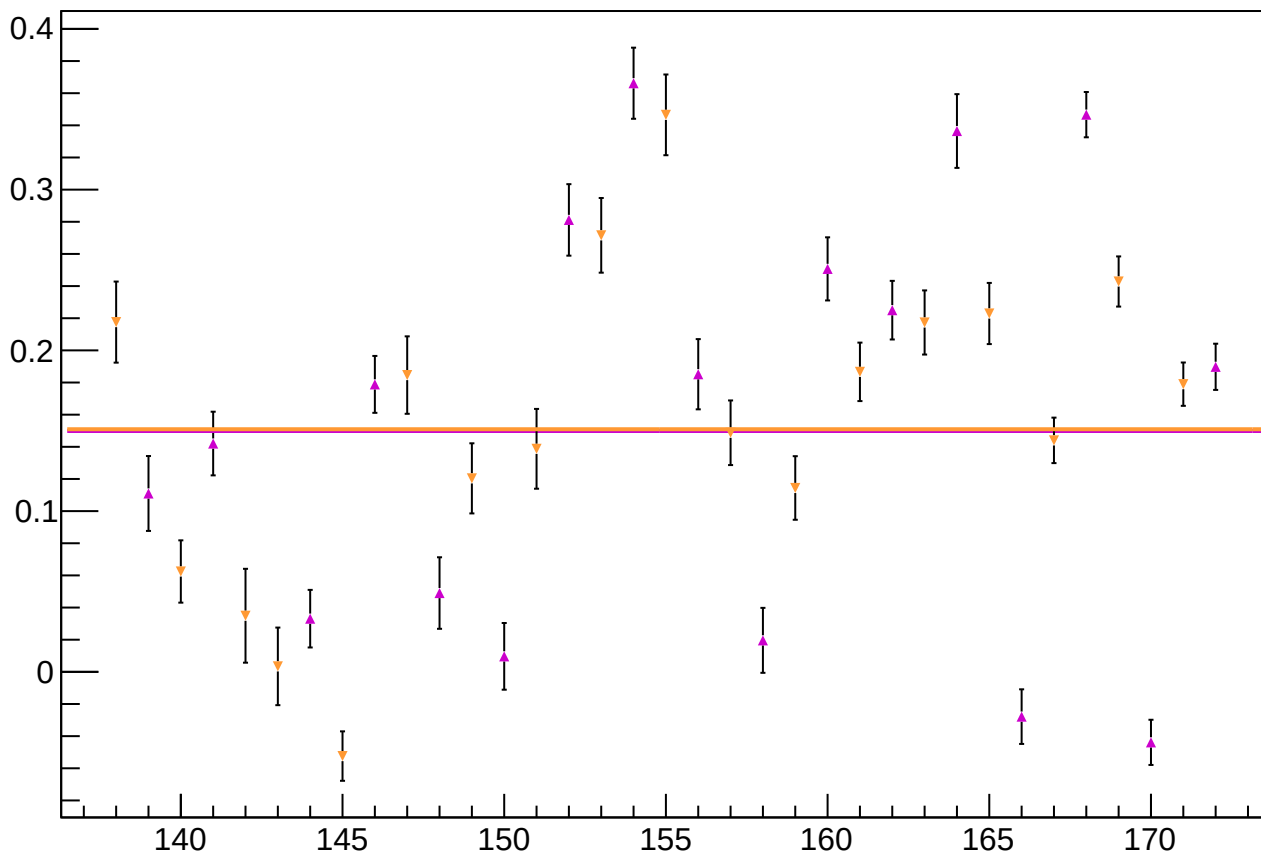
Left In: -32.122+/-0.097 χ^2/NDF : 2185.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -32.540+/-0.069 χ^2/NDF : 4690.2/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

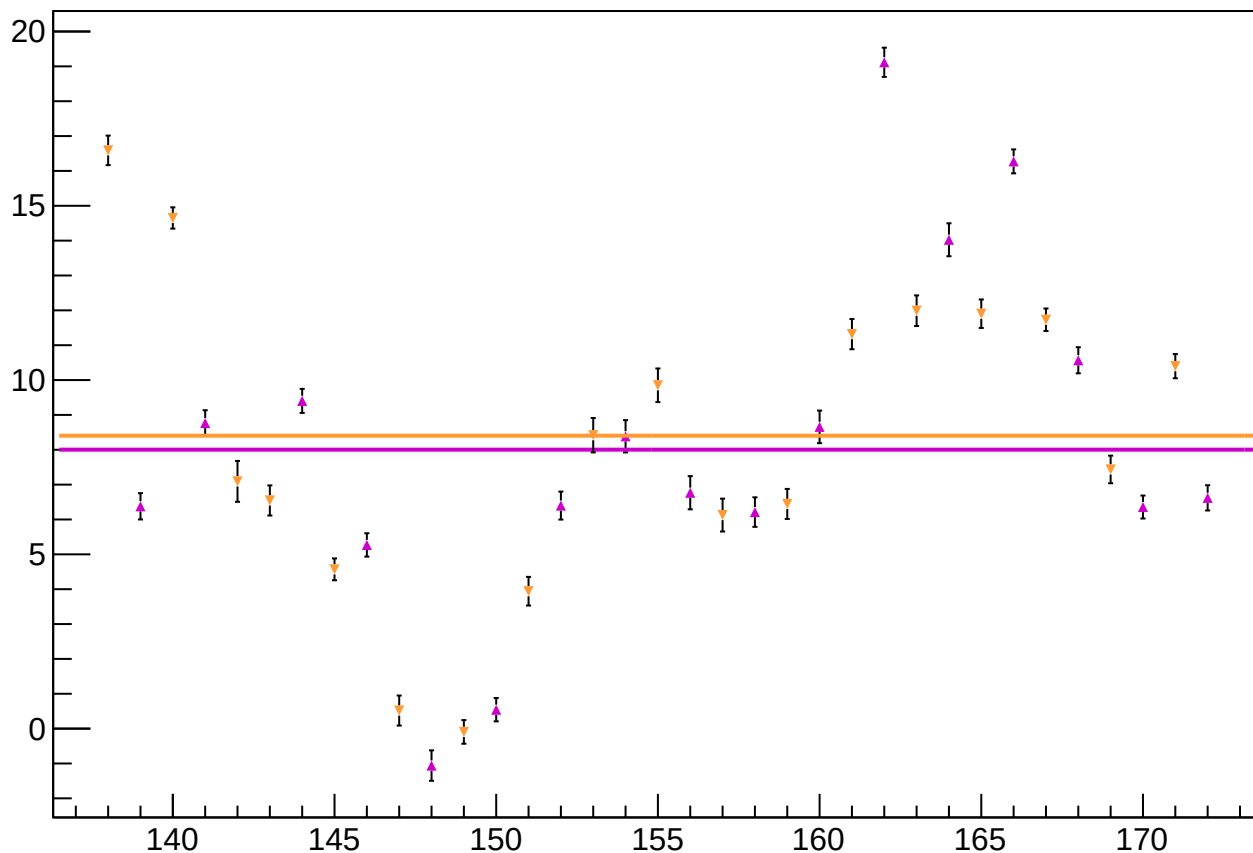
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.151+/-0.005 χ^2/NDF : 419.5/17
 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: 0.150+/-0.003 χ^2/NDF : 1320.1/34
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

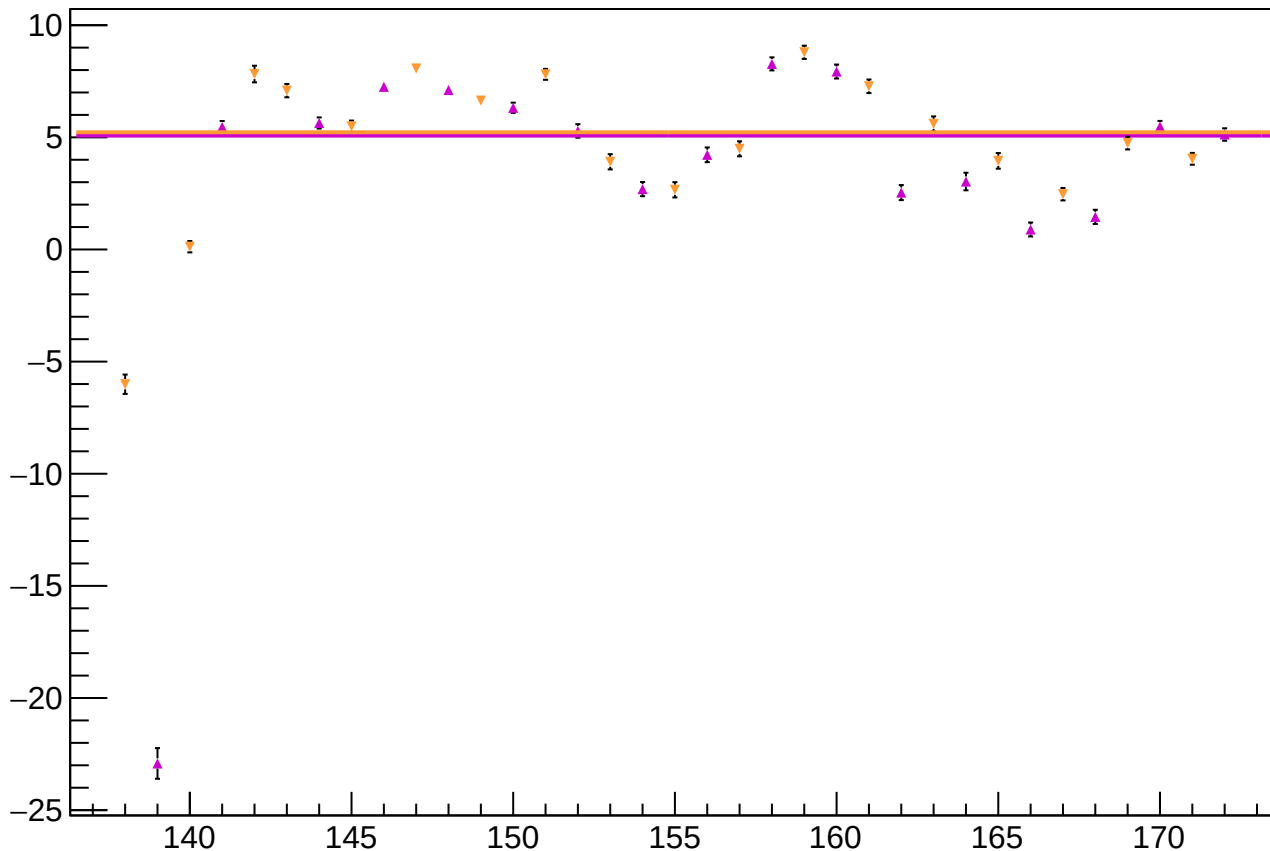
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.404+/-0.094 χ^2/NDF :2428.5/17
 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: 8.204+/-0.066 χ^2/NDF : 5044.5/34
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

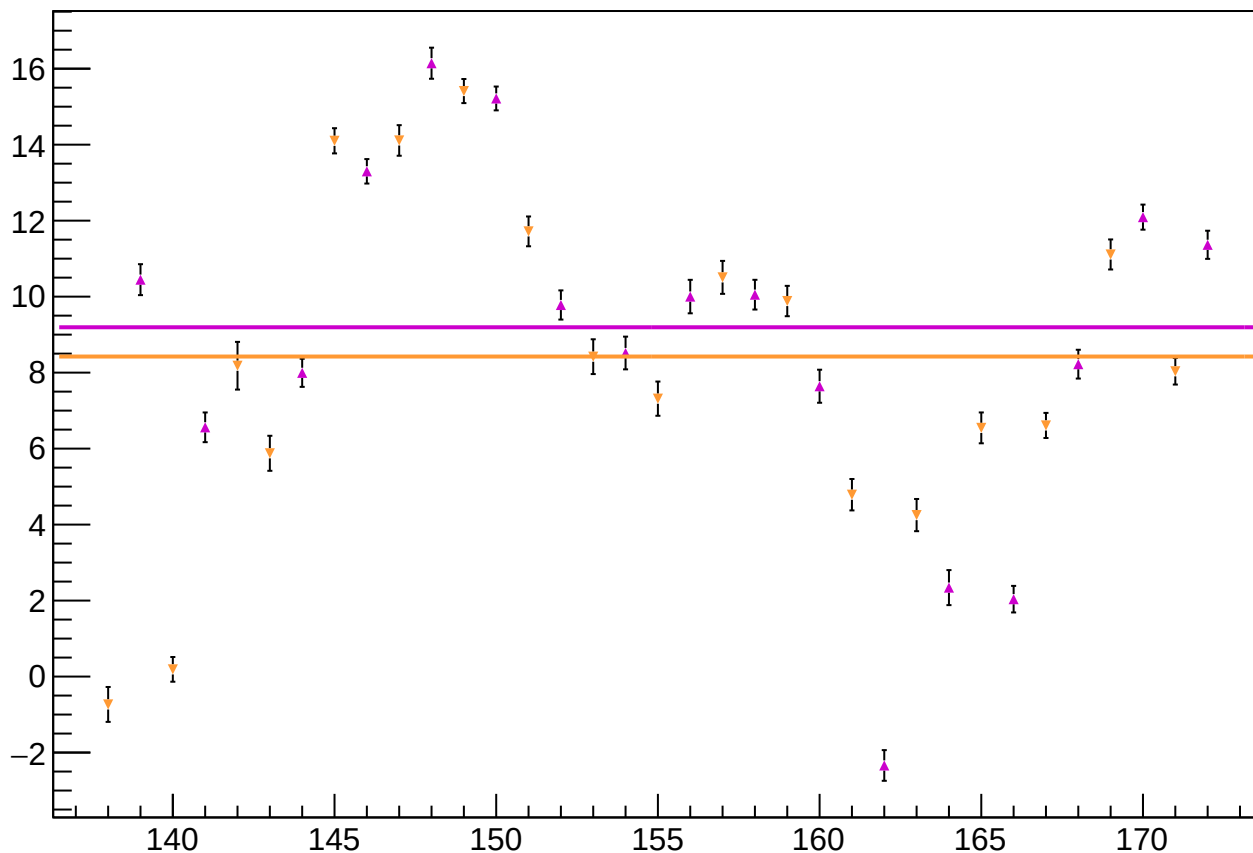
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.226 $\pm$ 0.067 χ^2 /NDF:1919.8/17
 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: 5.153 $\pm$ 0.048 χ^2 /NDF: 4494.2/34
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

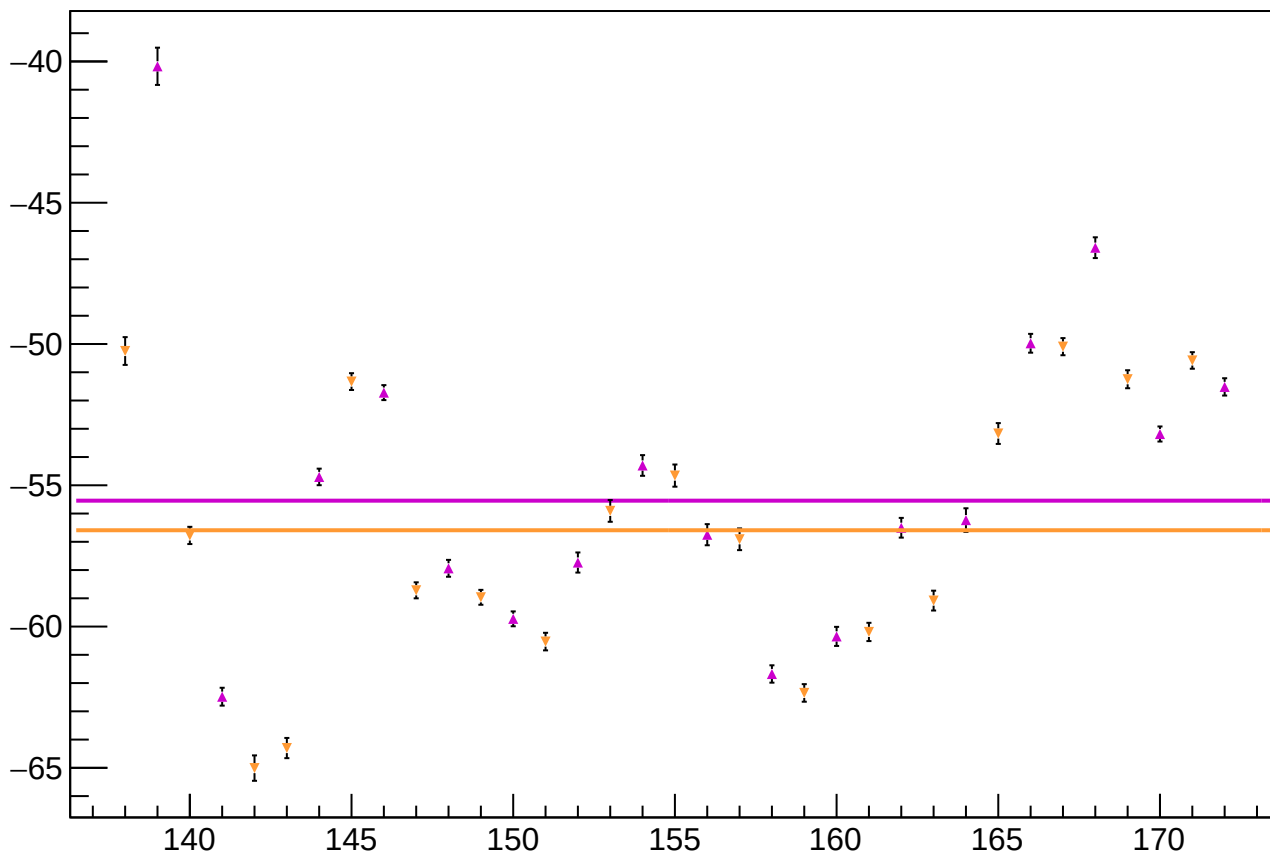
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.424+/-0.093 χ^2/NDF :2433.0/17
 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: 8.811+/-0.066 χ^2/NDF : 4952.5/34
 - 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -56.591 $\pm$ 0.078 χ^2 /NDF: 3384.9/17

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

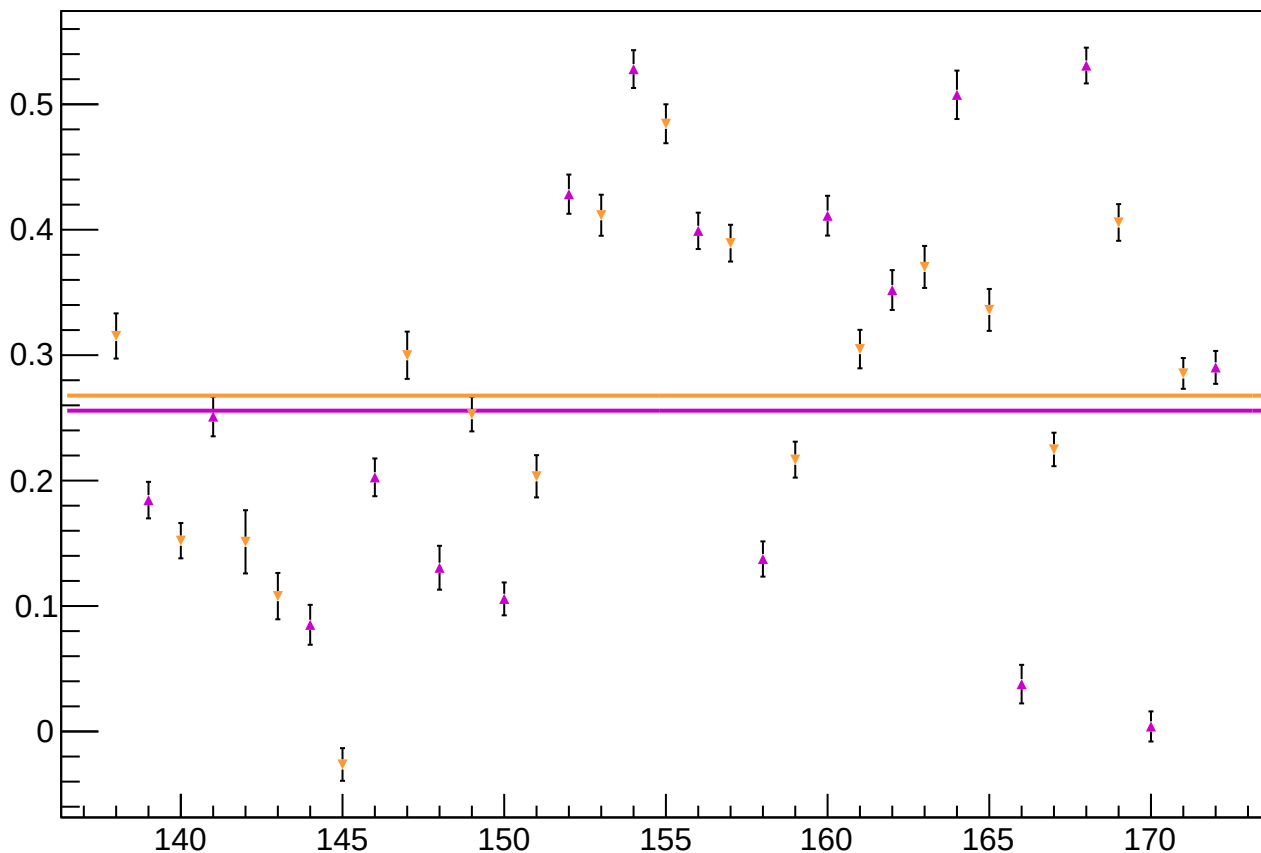
Left In: -55.544 $\pm$ 0.079 χ^2 /NDF: 3354.1/16

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

All: -56.073 $\pm$ 0.055 χ^2 /NDF: 6827.9/34

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

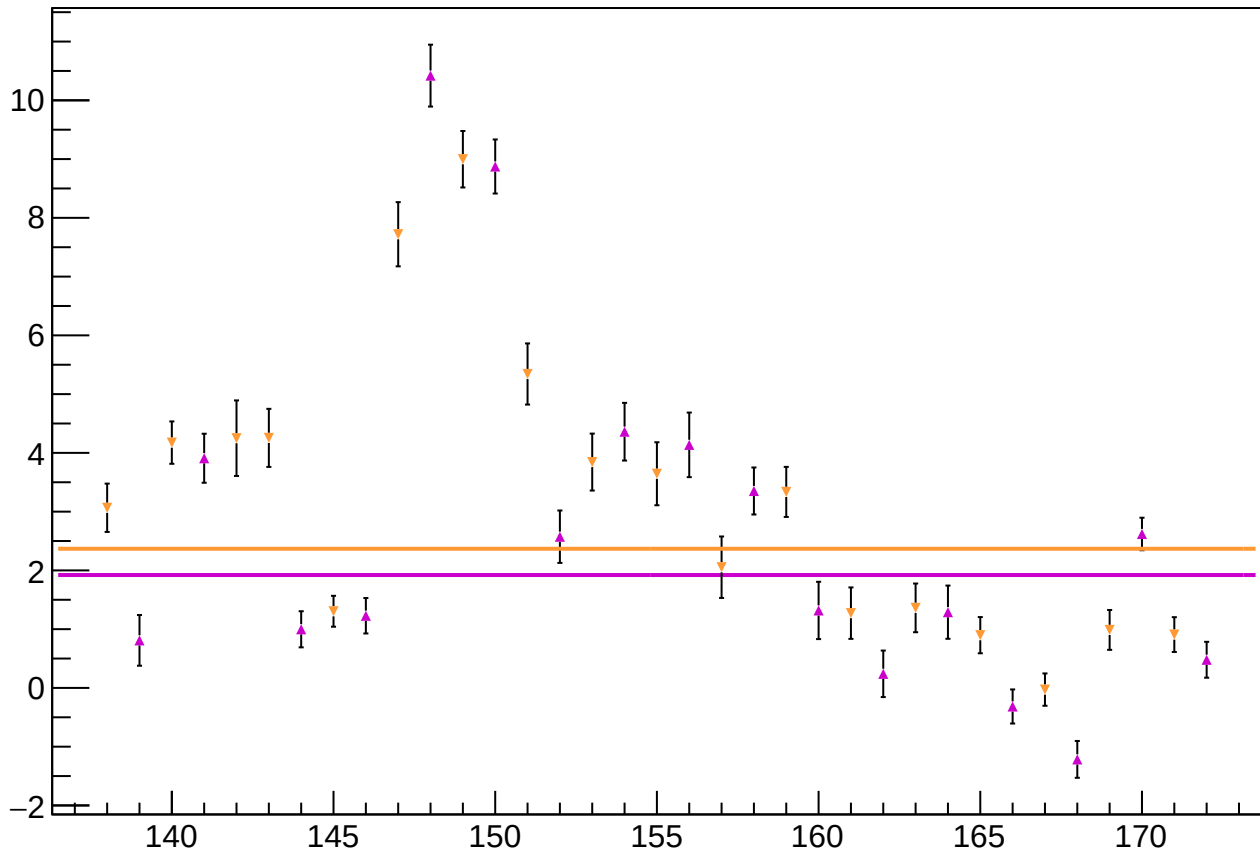
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.268 $\pm$ 0.004 χ^2 /NDF:1215.5/17
 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: 0.262 $\pm$ 0.003 χ^2 /NDF: 3495.1/34
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: 2.368 $\pm$ 0.092 χ^2 /NDF:558.6/17

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

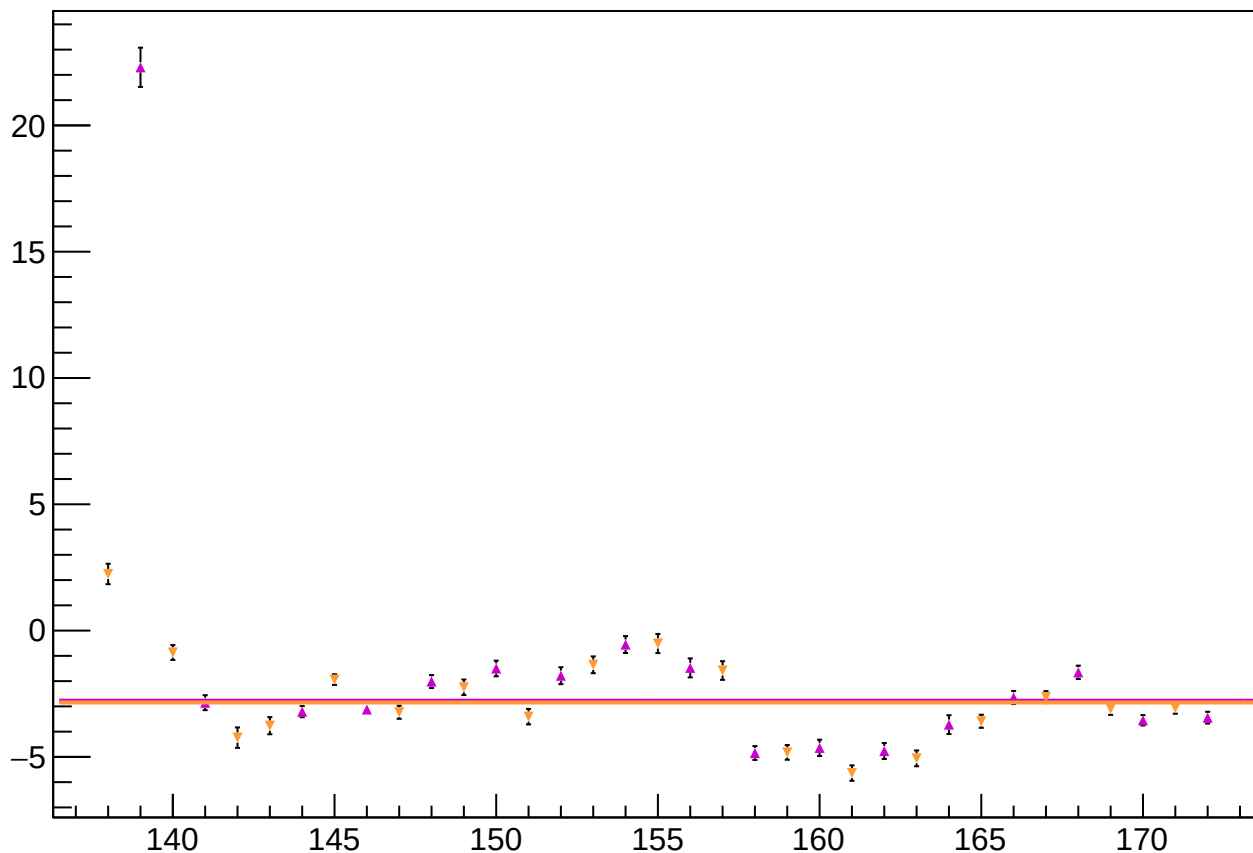
Left In: 1.921 $\pm$ 0.091 χ^2 /NDF:798.4/16

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

All: 2.142 $\pm$ 0.065 χ^2 /NDF: 1369.0/34

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

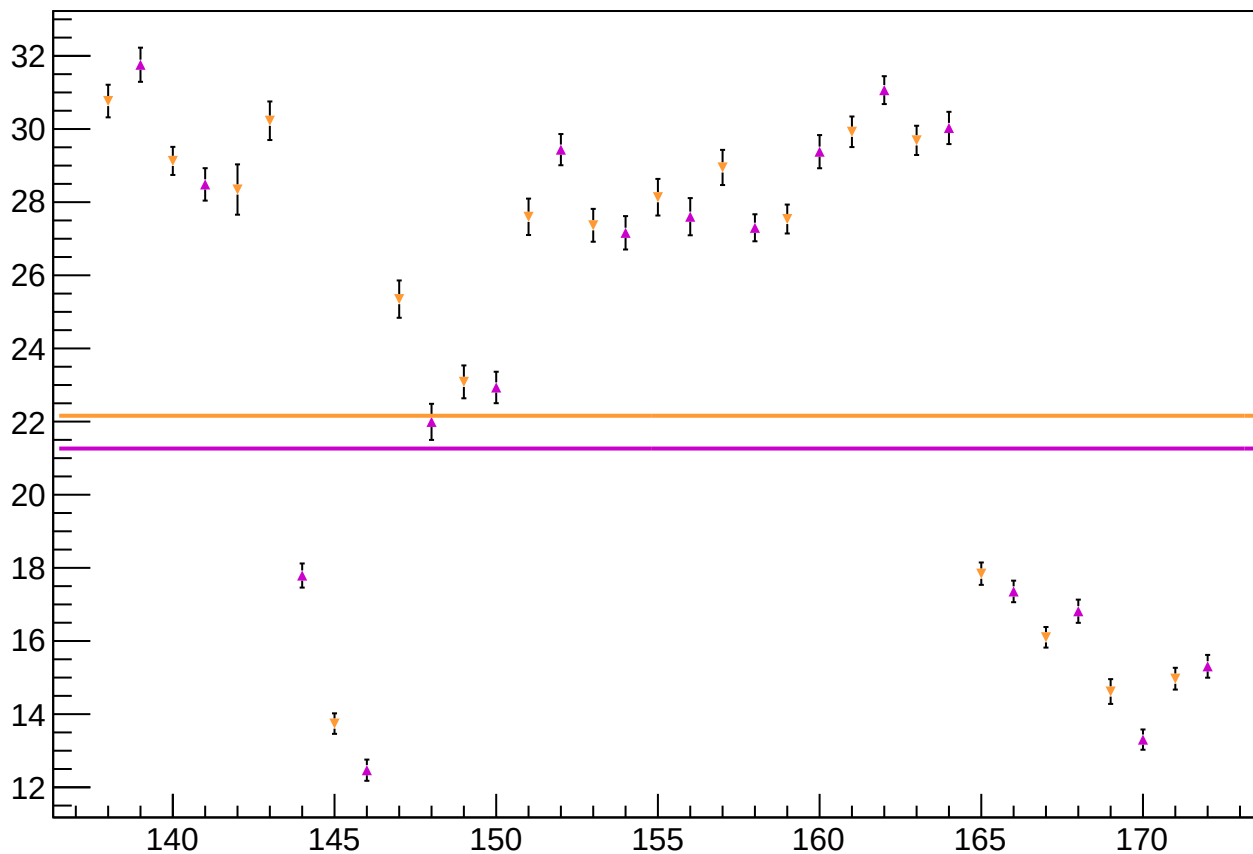
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.846+/-0.068 χ^2/NDF : 510.3/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.774+/-0.067 χ^2/NDF : 1315.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -2.809+/-0.048 χ^2/NDF : 1826.6/34
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 22.160+/-0.092 χ^2/NDF : 5181.6/17

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

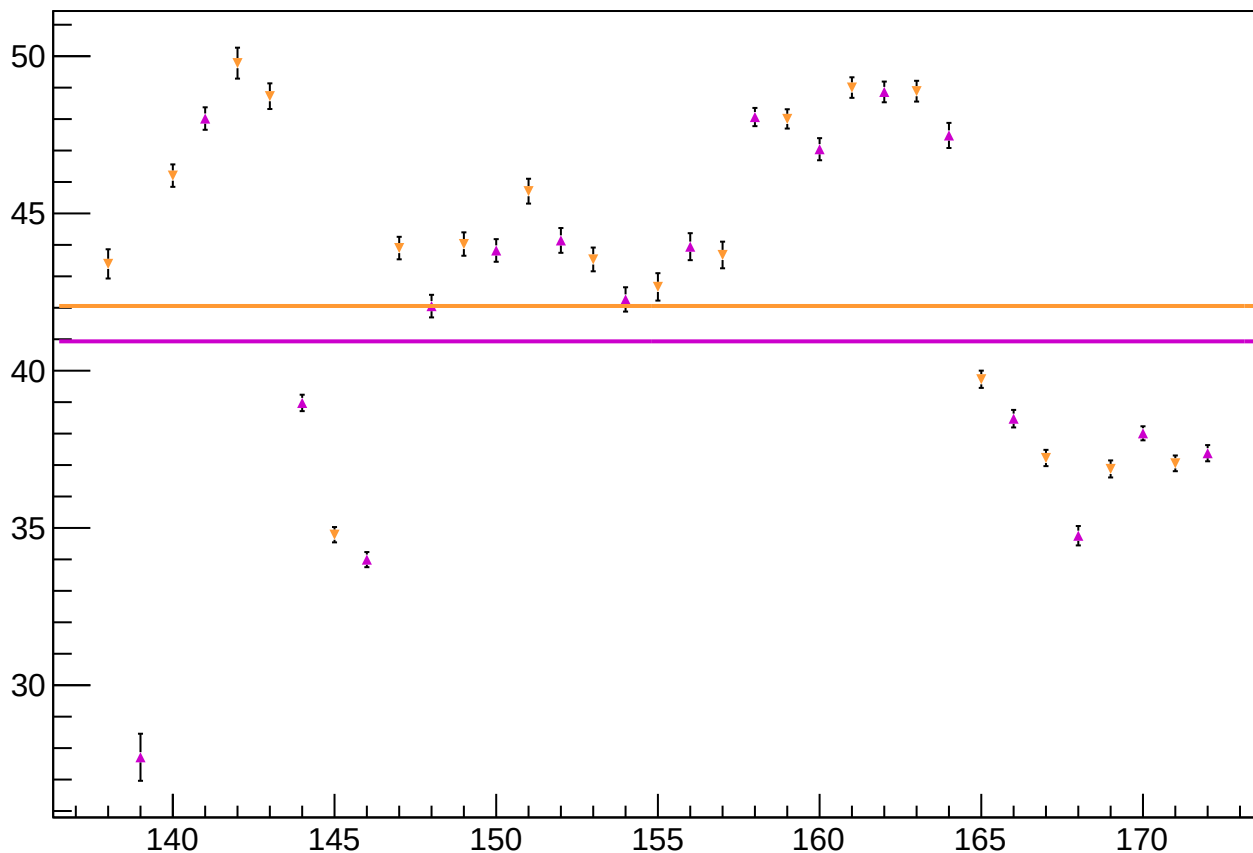
Left In: 21.263+/-0.090 χ^2/NDF : 5714.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21.701+/-0.064 χ^2/NDF : 10944.9/34

- 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: 42.057+/-0.078 χ^2/NDF : 4159.5/17

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

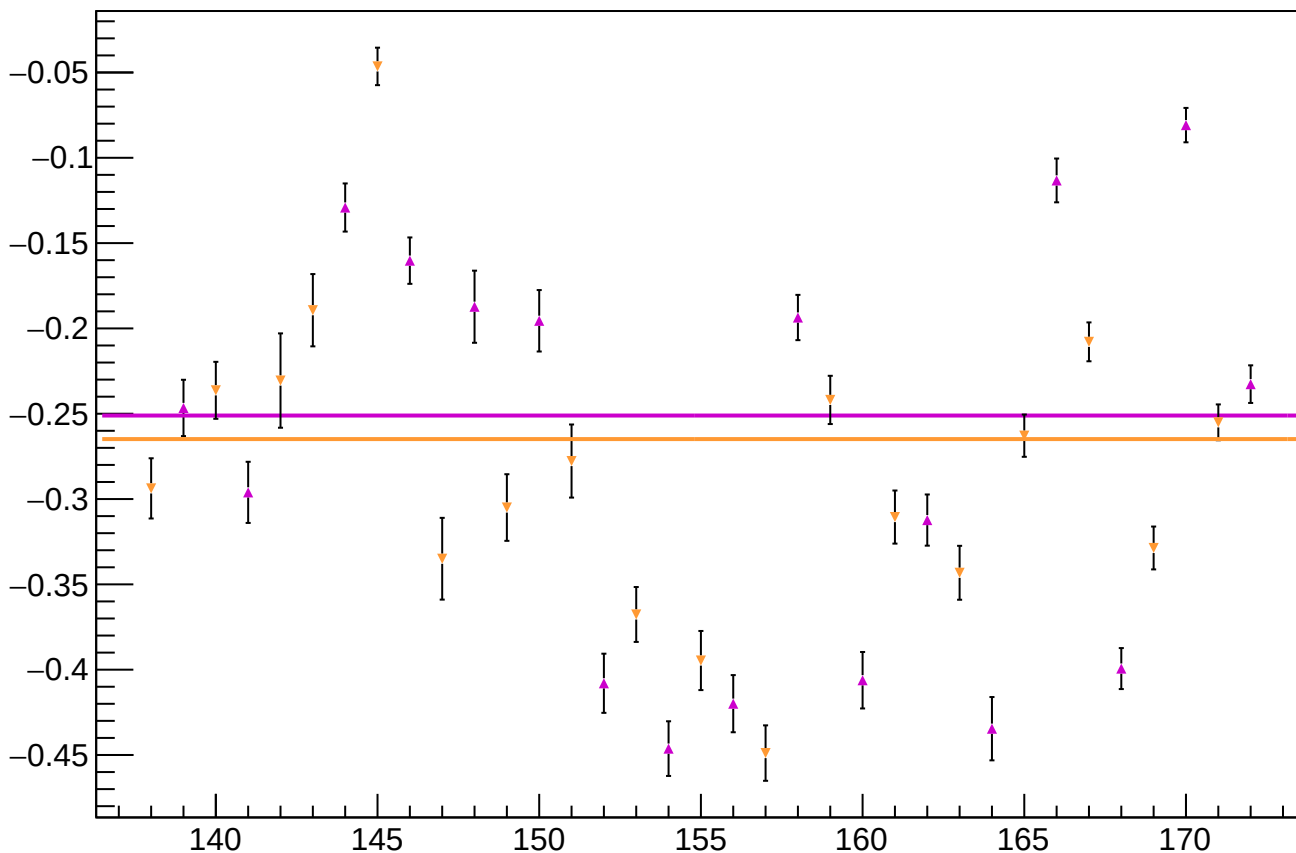
Left In: 40.933+/-0.077 χ^2/NDF : 4394.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 41.489+/-0.055 χ^2/NDF : 8660.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.265 $\pm$ 0.004 χ^2 /NDF:741.2/17

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

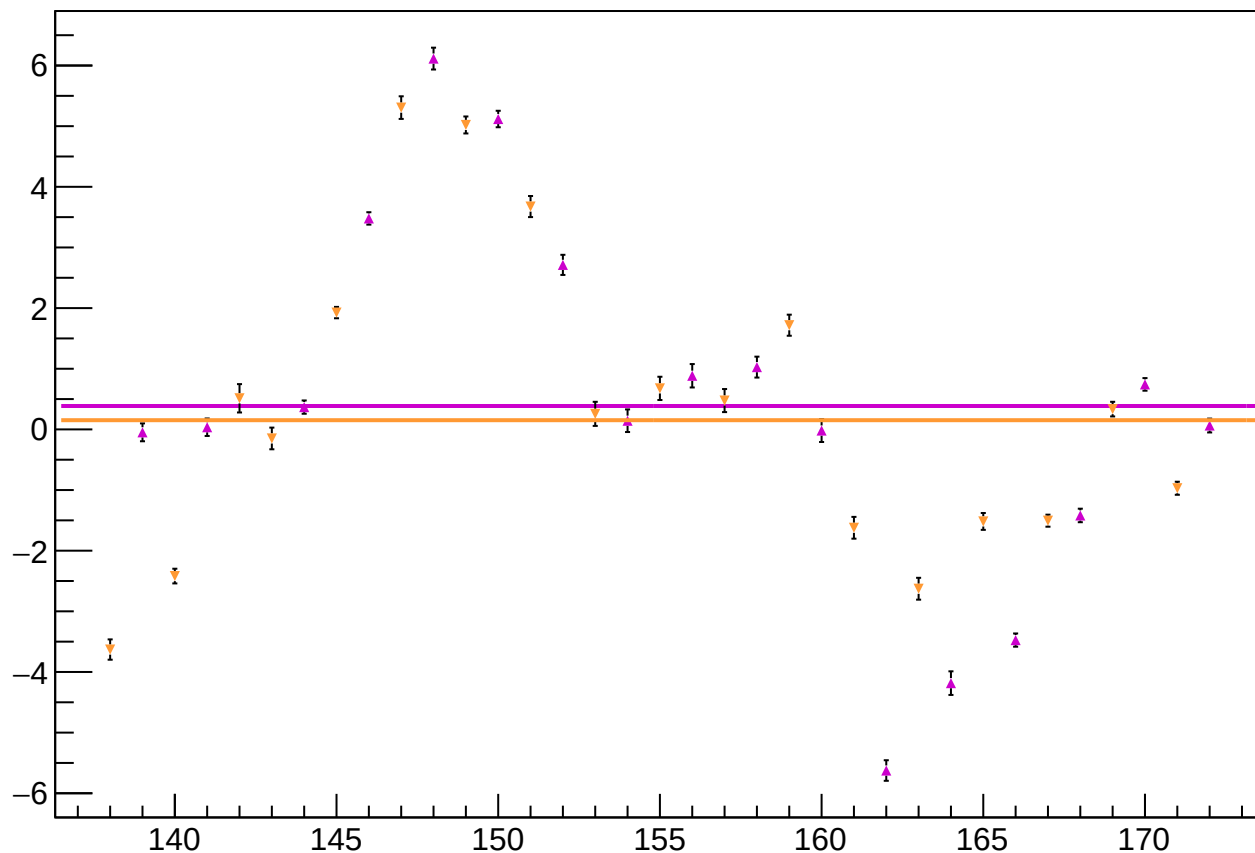
Left In: -0.251 $\pm$ 0.004 χ^2 /NDF:1253.0/16

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

All: -0.258 $\pm$ 0.002 χ^2 /NDF: 2001.9/34

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

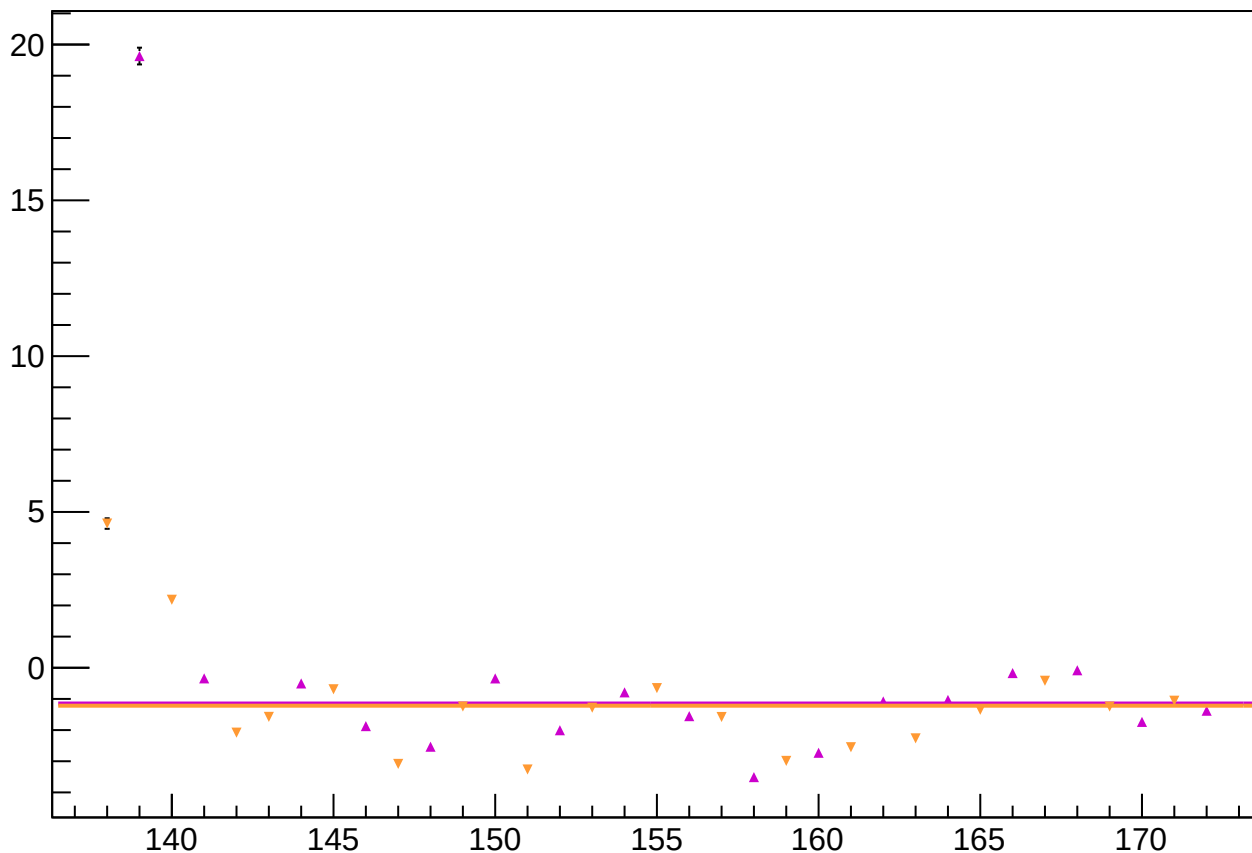
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.152 $\pm$ 0.034 χ^2 /NDF:4666.2/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.386 $\pm$ 0.033 χ^2 /NDF:6721.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.272 $\pm$ 0.024 χ^2 /NDF: 11411.8/34
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

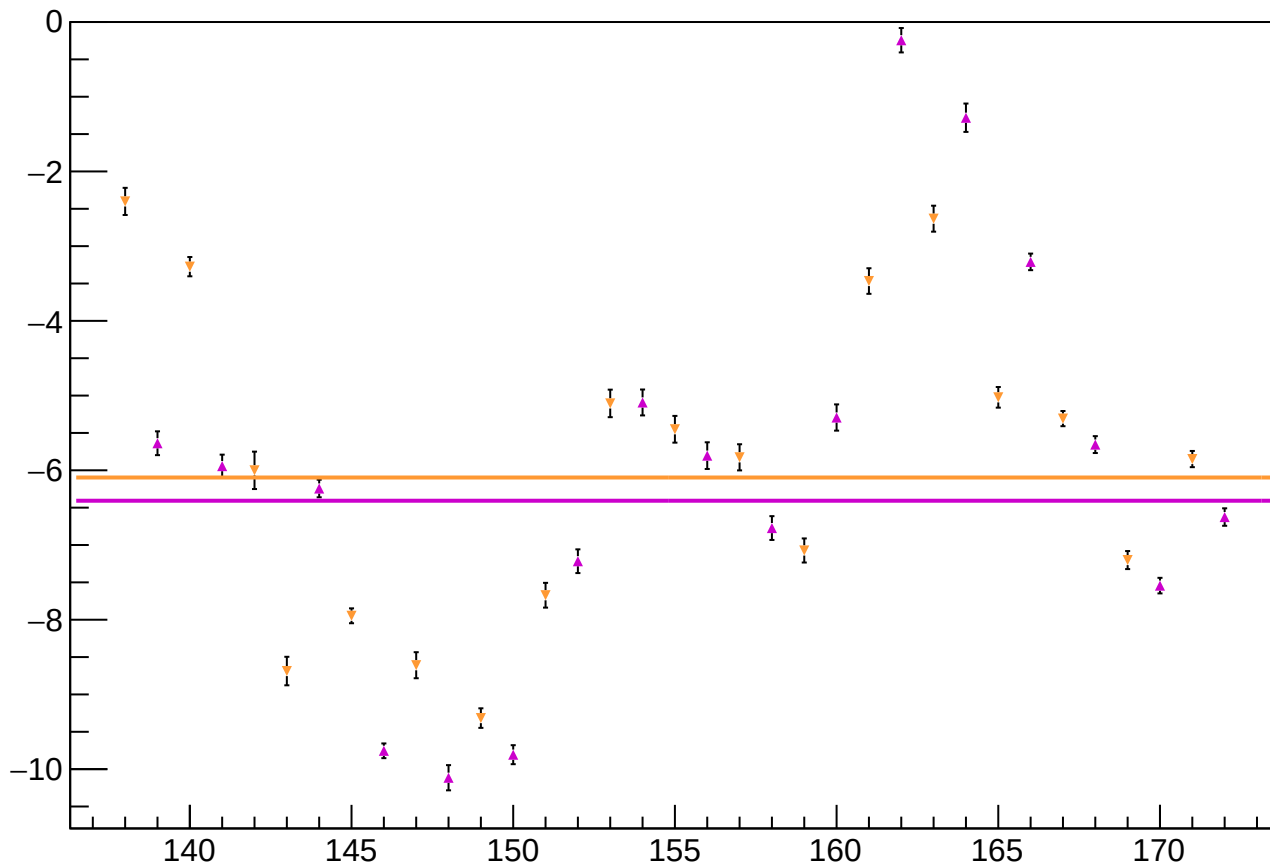
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.217+/-0.025 χ^2/NDF : 3779.7/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.148+/-0.025 χ^2/NDF : 7444.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -1.182+/-0.018 χ^2/NDF : 11228.0/34
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

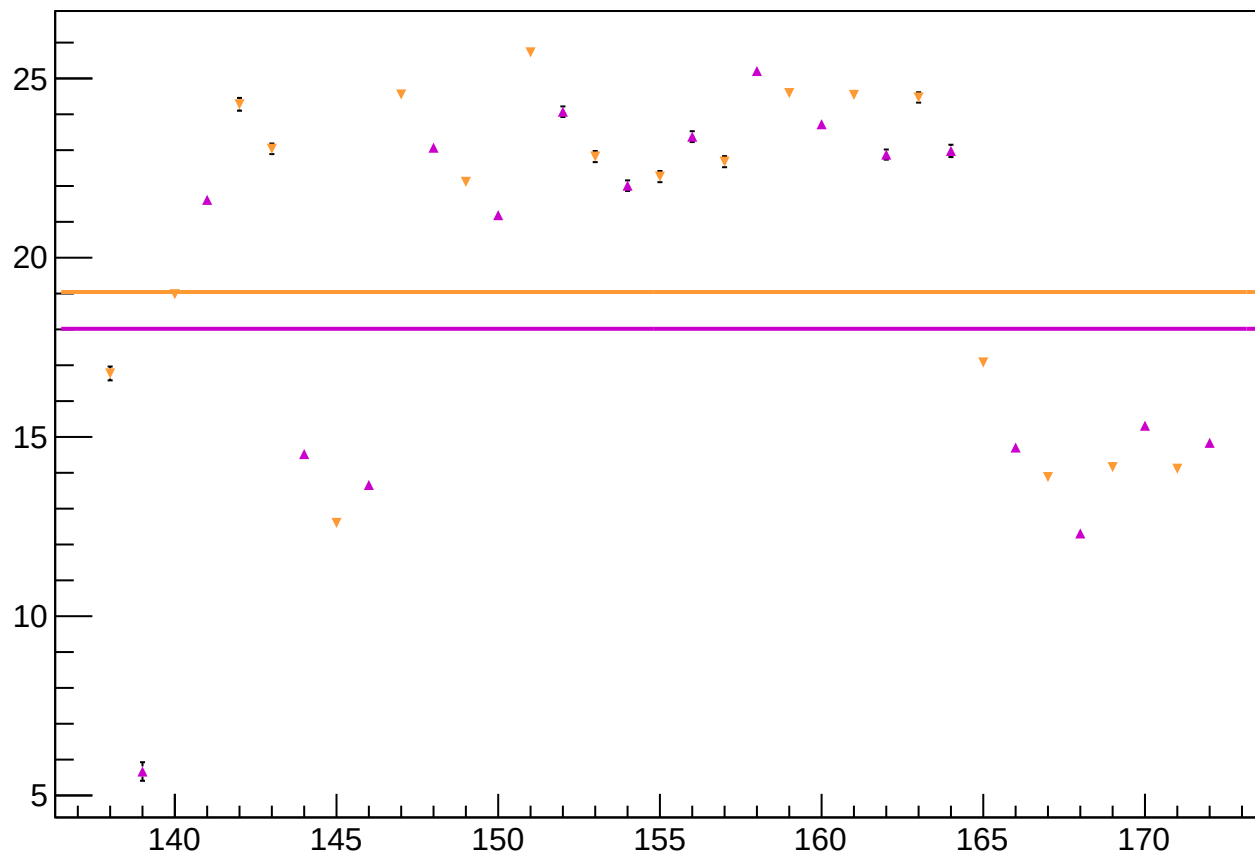
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.096+/-0.034 χ^2/NDF : 3249.1/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.407+/-0.033 χ^2/NDF : 5679.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -6.257+/-0.024 χ^2/NDF : 8971.3/34
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 19.043+/-0.029 χ^2/NDF : 27861.2/17

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

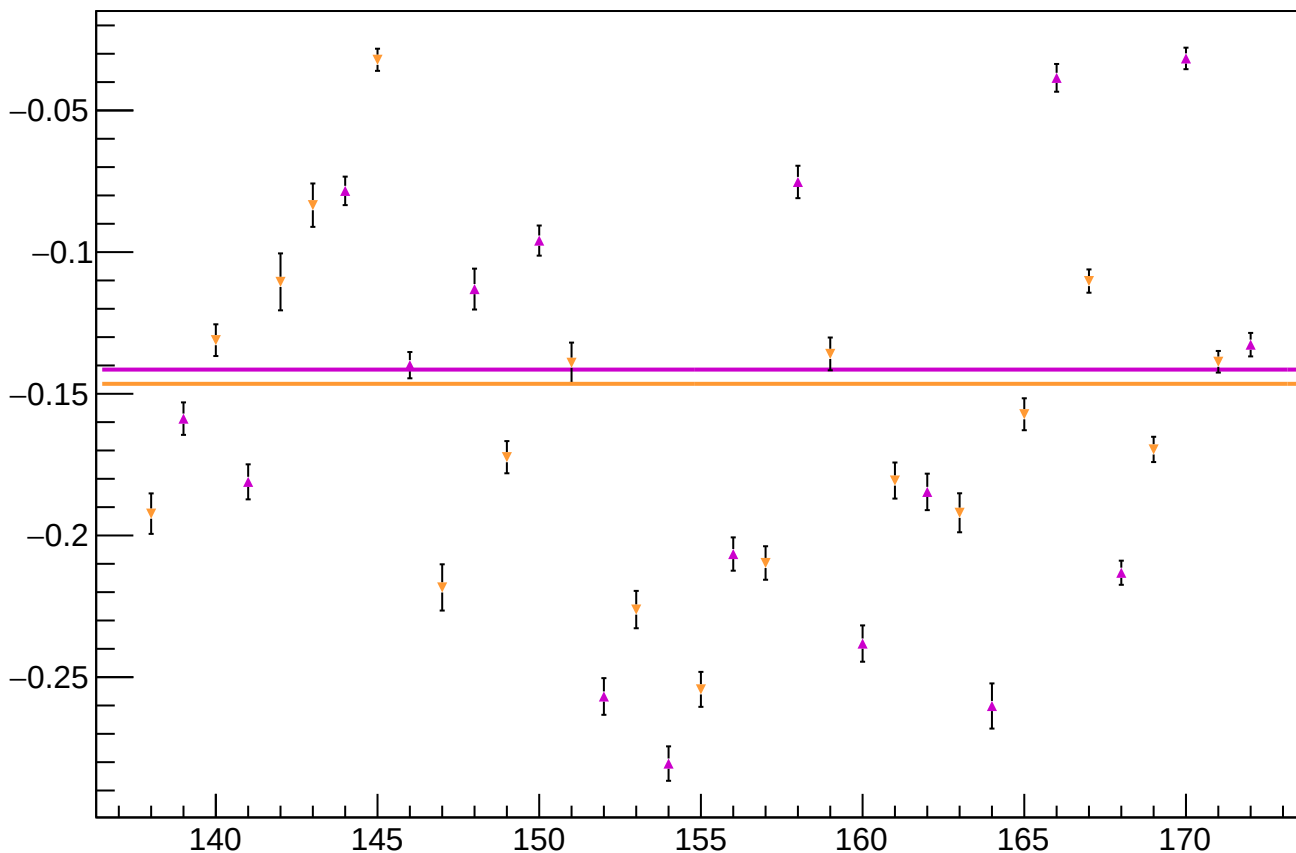
Left In: 18.017+/-0.028 χ^2/NDF : 26442.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 18.520+/-0.020 χ^2/NDF : 54951.3/34

- 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: -0.146+/-0.001 χ^2/NDF : 1839.4/17

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

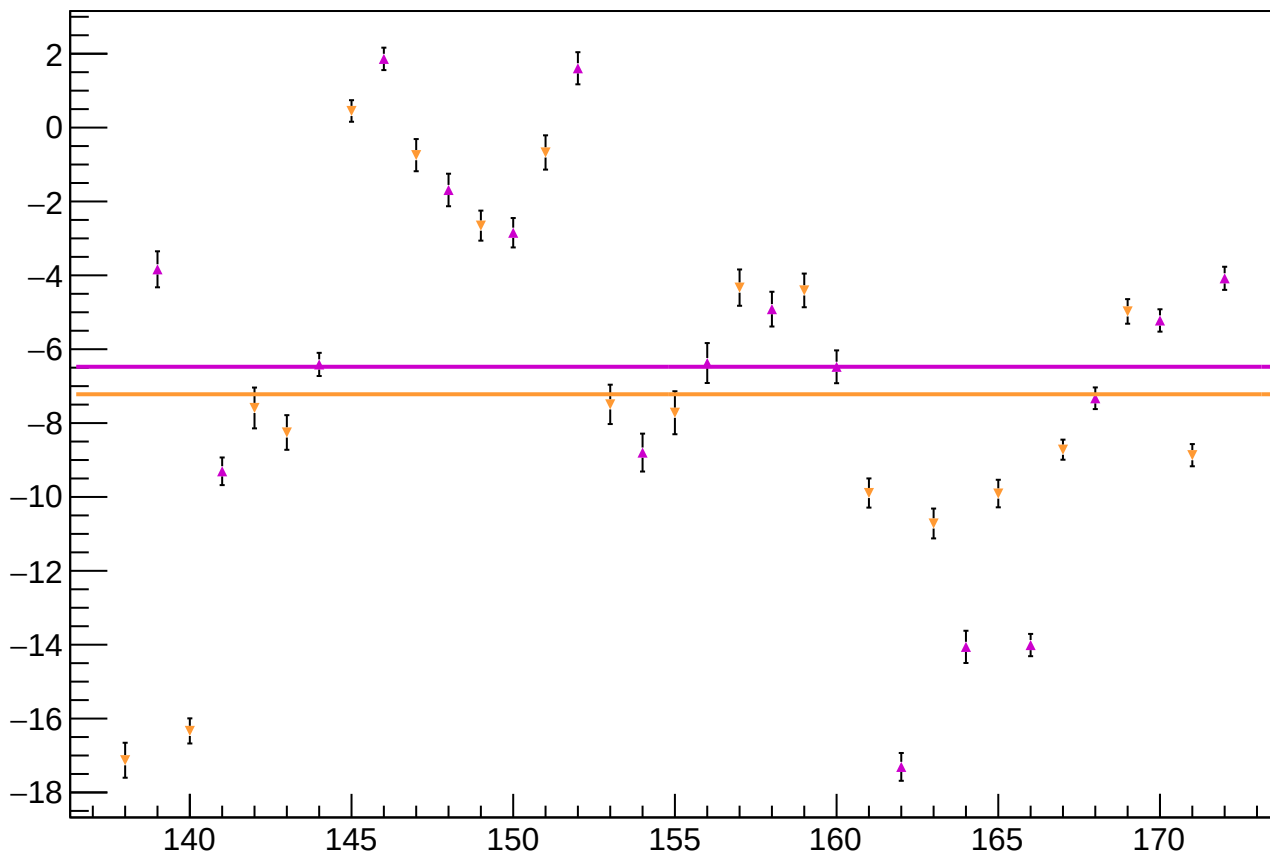
Left In: -0.141+/-0.001 χ^2/NDF : 3455.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.144+/-0.001 χ^2/NDF : 5302.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

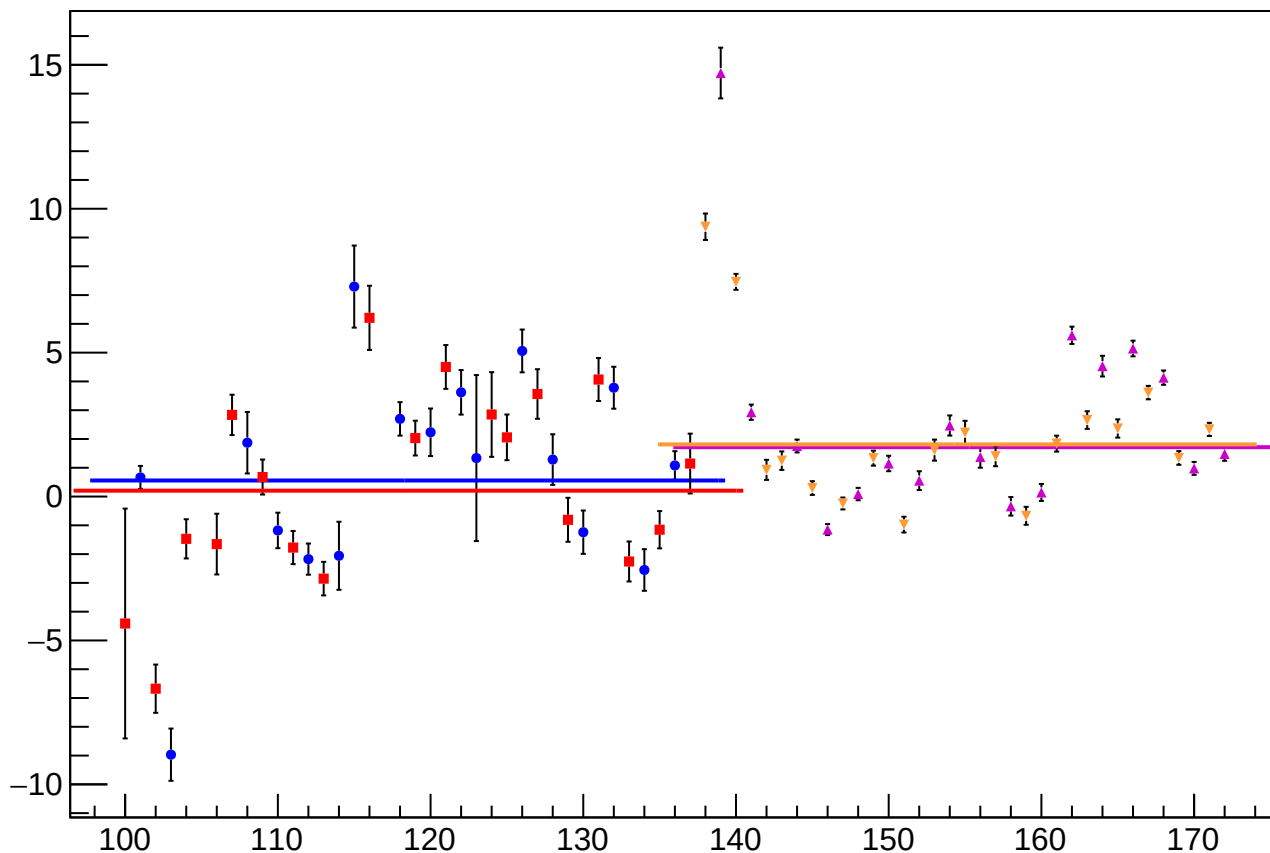
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -7.220 ± 0.092 χ^2/NDF : 2750.1/17
 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: -6.840 ± 0.065 χ^2/NDF : 6040.8/34
 - 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 $\pm$ 0.170 χ^2/NDF : 287.9/16

Left Out: 1.812 $\pm$ 0.067 χ^2/NDF :1089.3/17

Right Out: 0.204 $\pm$ 0.175 χ^2/NDF : 272.1/18

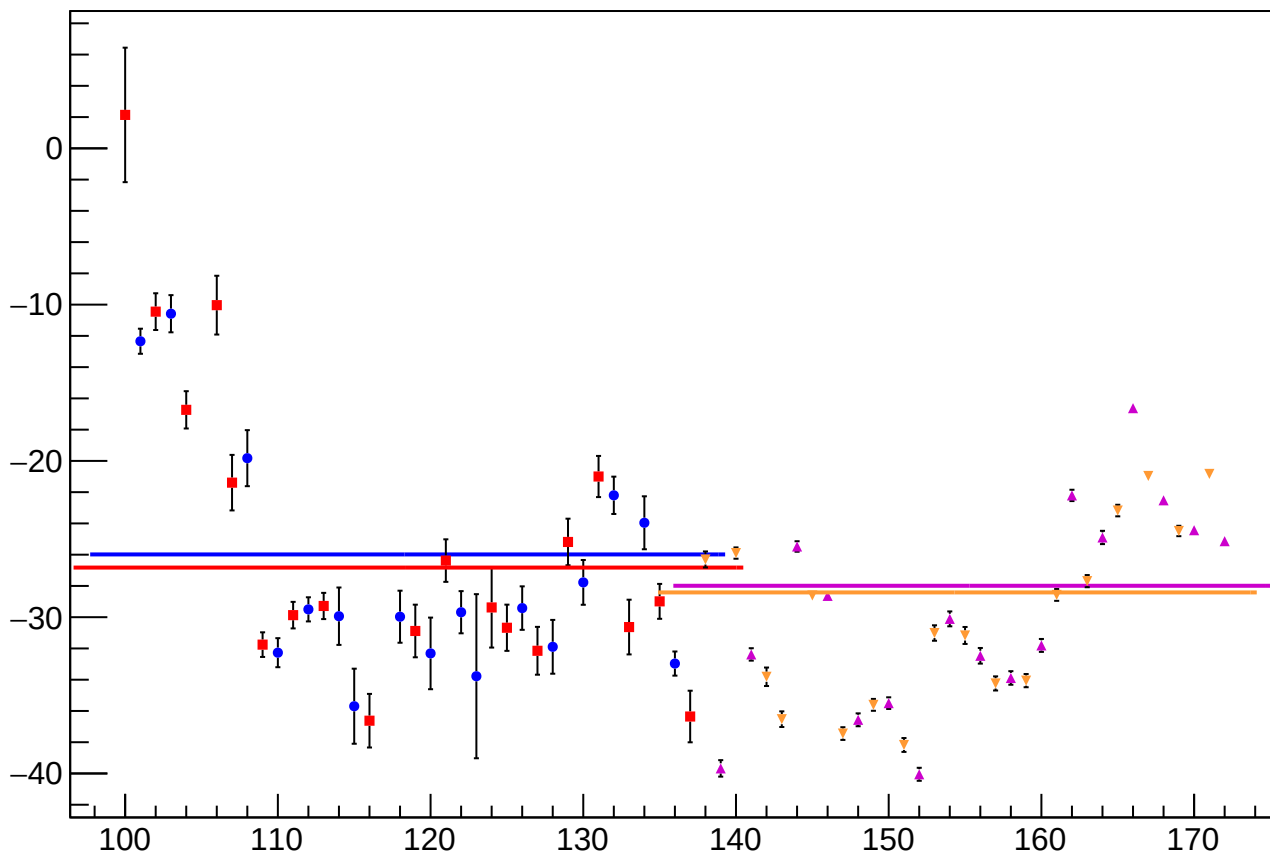
Left In: 1.715 $\pm$ 0.066 χ^2/NDF :1106.5/16

+ sign 1.645 $\pm$ 0.062 χ^2/NDF : 1424.3/34

All: 1.586 $\pm$ 0.044 χ^2/NDF : 2870.3/70

- sign 1.527 $\pm$ 0.062 χ^2/NDF : 1444.1/35

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 $\chi^2/\text{NDF}: 691.5/16$

Left Out: -28.415 ± 0.092 $\chi^2/\text{NDF}: 3832.9/17$

Right Out: -26.825 ± 0.298 $\chi^2/\text{NDF}: 581.6/18$

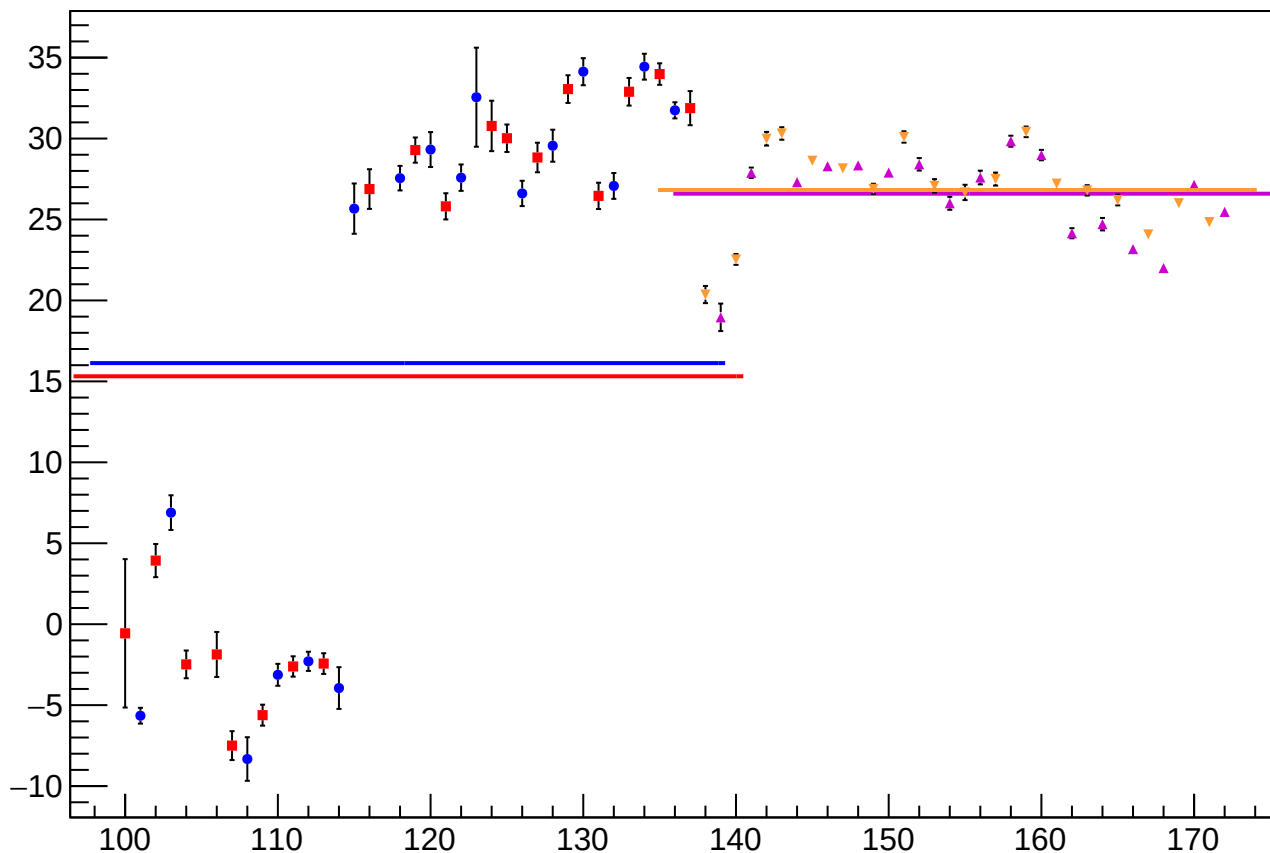
Left In: -27.990 ± 0.090 $\chi^2/\text{NDF}: 4952.8/16$

+ sign -28.208 ± 0.088 $\chi^2/\text{NDF}: 4584.3/34$

All: -28.046 ± 0.061 $\chi^2/\text{NDF}: 10139.4/70$

- sign -27.893 ± 0.086 $\chi^2/\text{NDF}: 5548.4/35$

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: 26.821 $\pm$ 0.077 χ^2 /NDF:917.0/17

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

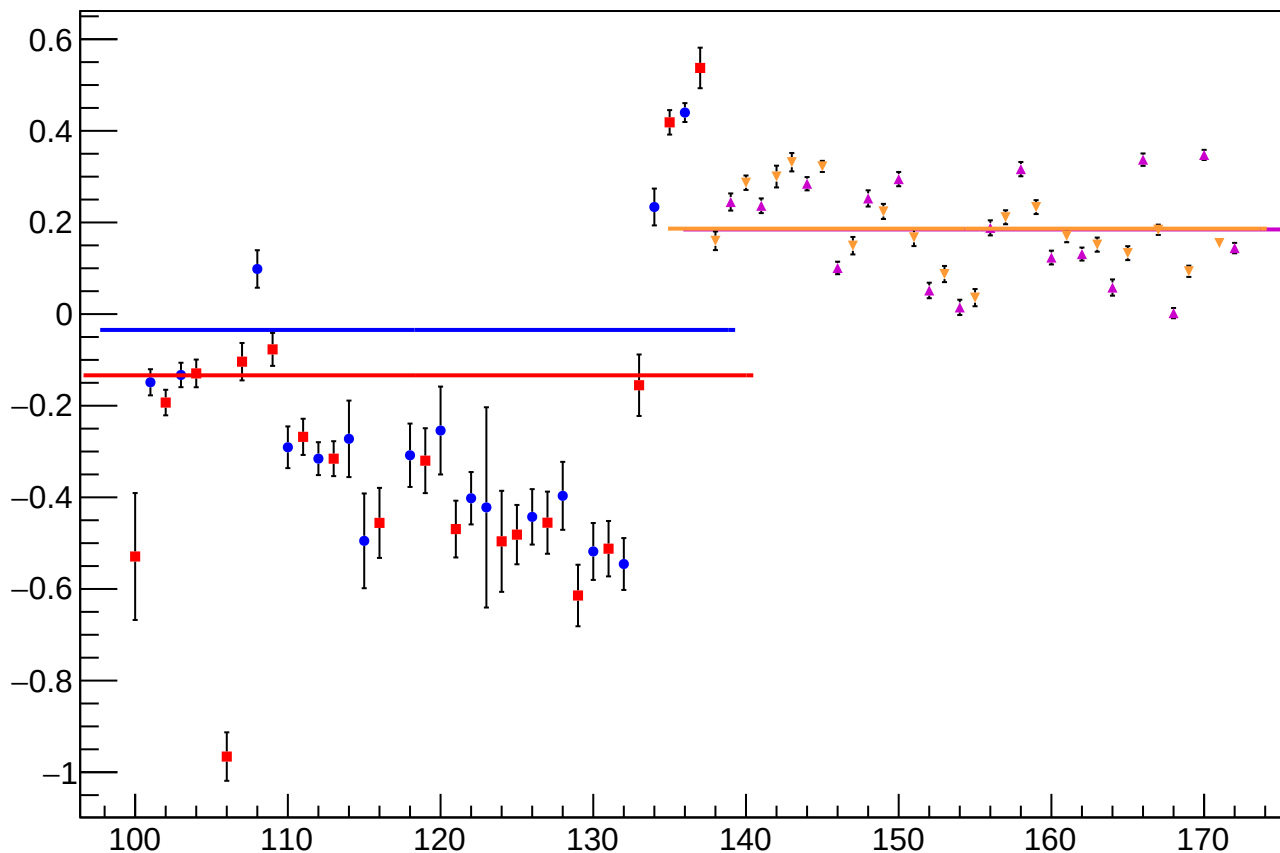
Left In: 26.593 $\pm$ 0.076 χ^2 /NDF:881.8/16

+ sign 25.343 $\pm$ 0.071 χ^2 /NDF: 11160.6/34

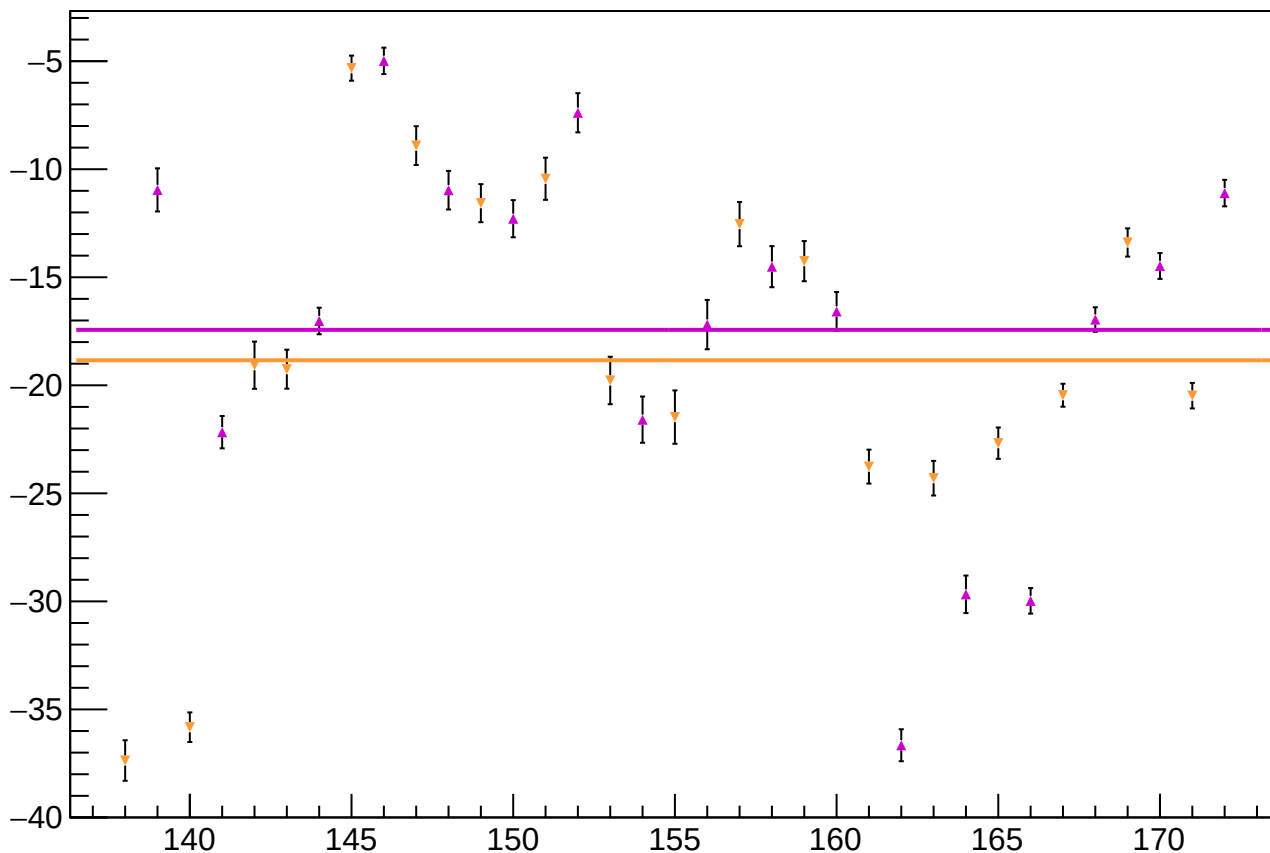
All: 25.237 $\pm$ 0.050 χ^2 /NDF: 22177.2/70

- sign 25.132 $\pm$ 0.071 χ^2 /NDF: 11012.2/35

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -18.842+/-0.185 χ^2/NDF : 2076.9/17

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

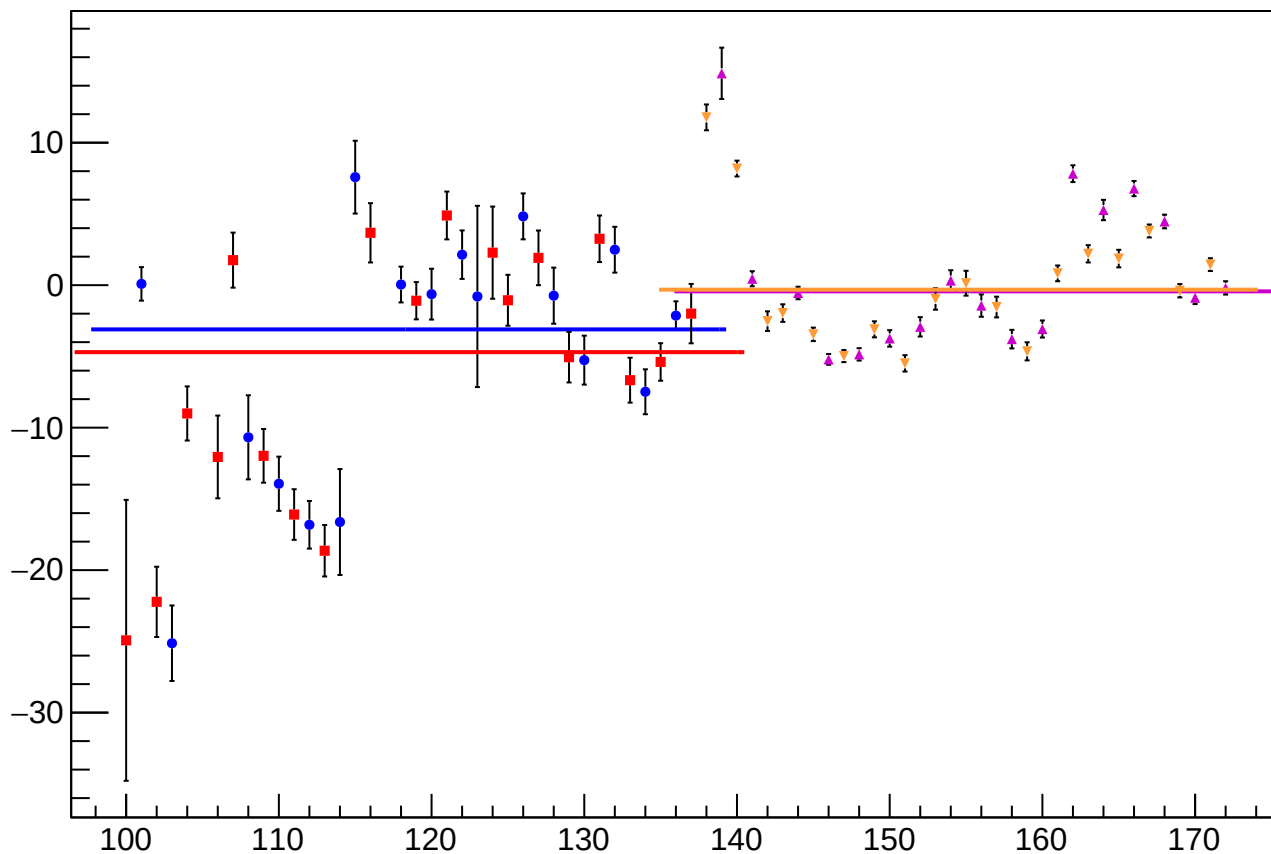
Left In: -17.434+/-0.181 χ^2/NDF : 2188.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -18.124+/-0.129 χ^2/NDF : 4295.1/34

- 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: -0.316 ± 0.134 χ^2/NDF : 880.5/17

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

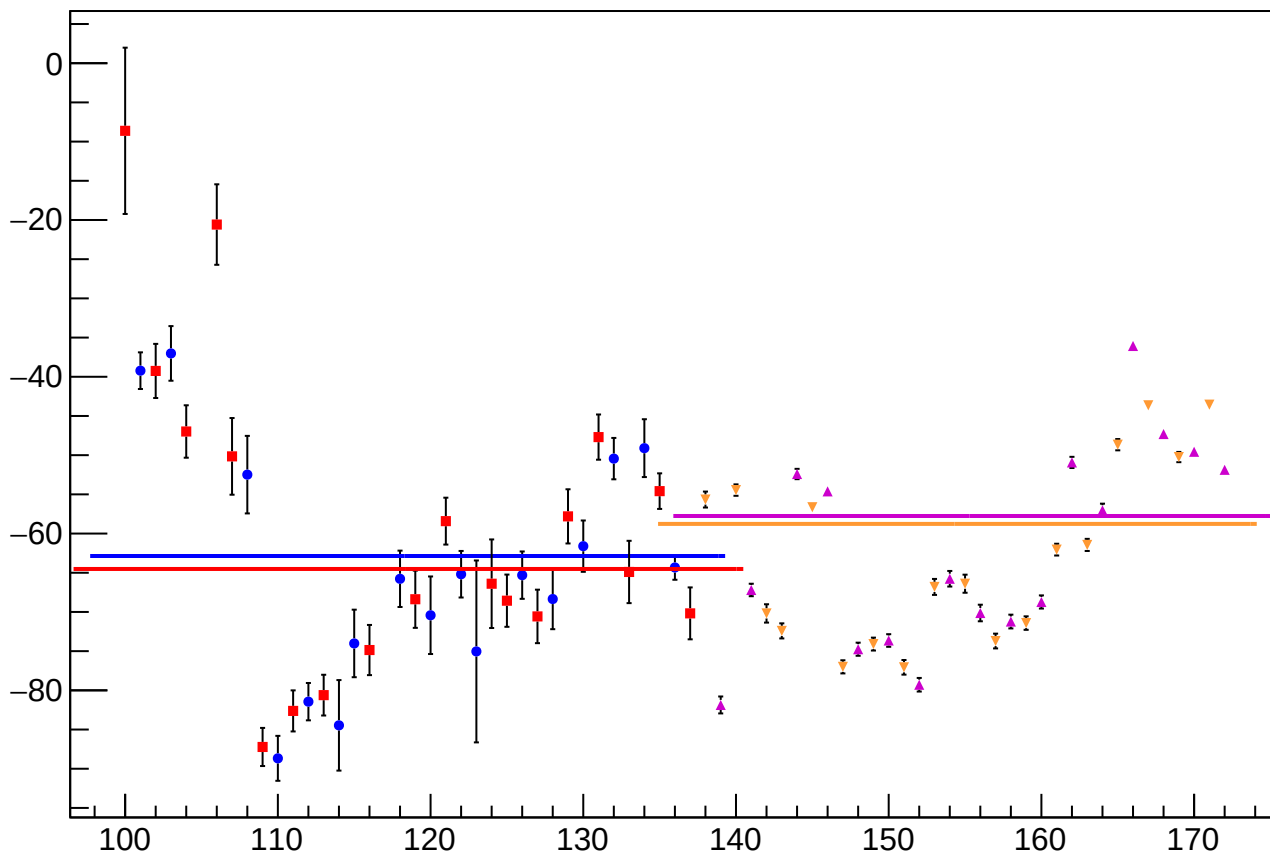
Left In: -0.435 ± 0.132 χ^2/NDF : 980.7/16

+ sign -0.584 ± 0.127 χ^2/NDF : 1201.3/34

All: -0.697 ± 0.090 χ^2/NDF : 2572.4/70

- 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: -58.769 ± 0.184 χ^2/NDF : 3956.1/17

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

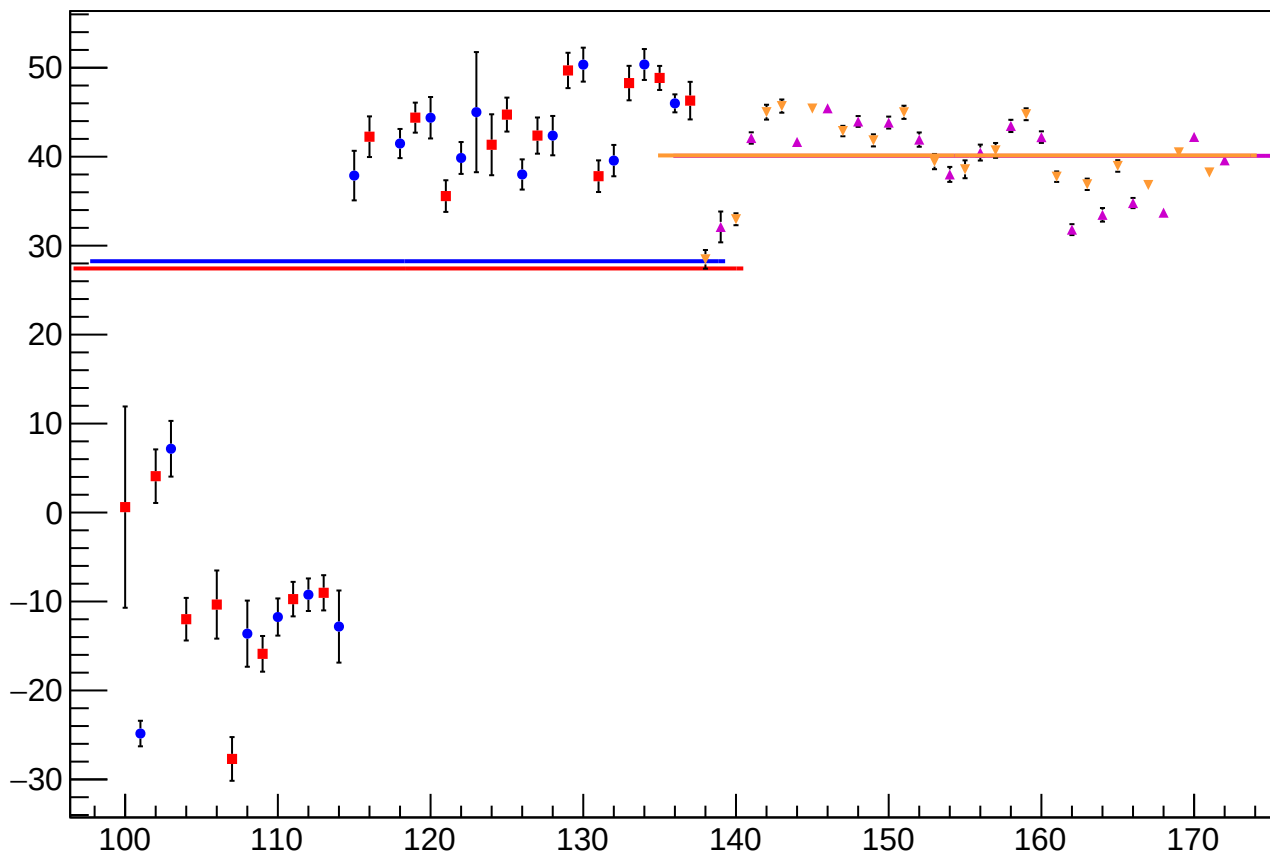
Left In: -57.759 ± 0.180 χ^2/NDF : 4752.6/16

+ sign -59.007 ± 0.179 χ^2/NDF : 4353.6/34

All: -58.555 ± 0.125 χ^2/NDF : 9639.4/70

- 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: 40.140 $\pm$ 0.154 χ^2 /NDF: 648.8/17

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

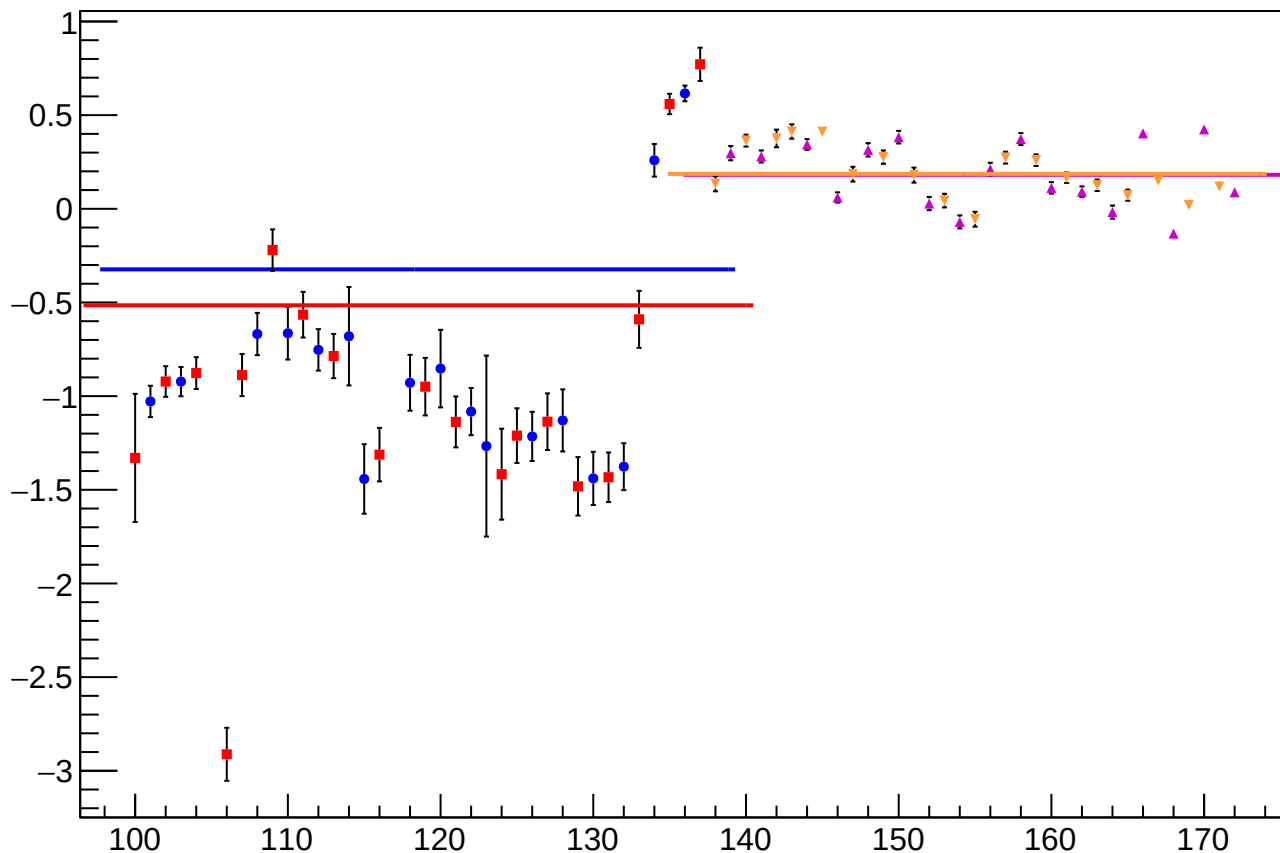
Left In: 40.097 $\pm$ 0.152 χ^2 /NDF: 777.7/16

+ sign 38.938 $\pm$ 0.146 χ^2 /NDF: 4568.5/34

All: 38.936 $\pm$ 0.103 χ^2 /NDF: 9013.9/70

- 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 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.186 ± 0.007 $\chi^2/\text{NDF}: 321.0/17$

Right Out: -0.515 ± 0.026 $\chi^2/\text{NDF}: 1160.9/18$

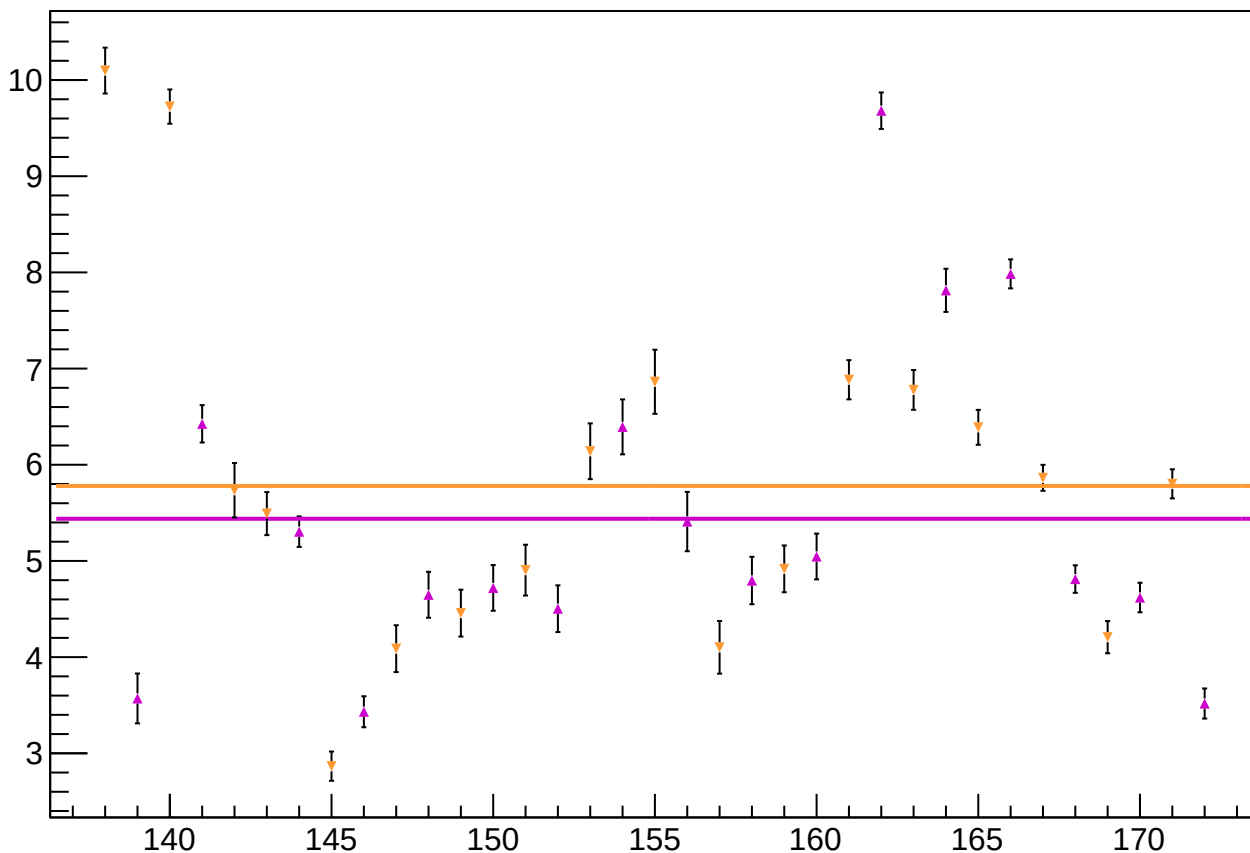
Left In: 0.182 ± 0.007 $\chi^2/\text{NDF}: 693.1/16$

+ sign 0.147 ± 0.007 $\chi^2/\text{NDF}: 1717.0/34$

All: 0.140 ± 0.005 $\chi^2/\text{NDF}: 4253.5/70$

- sign 0.133 ± 0.007 $\chi^2/\text{NDF}: 2534.3/35$

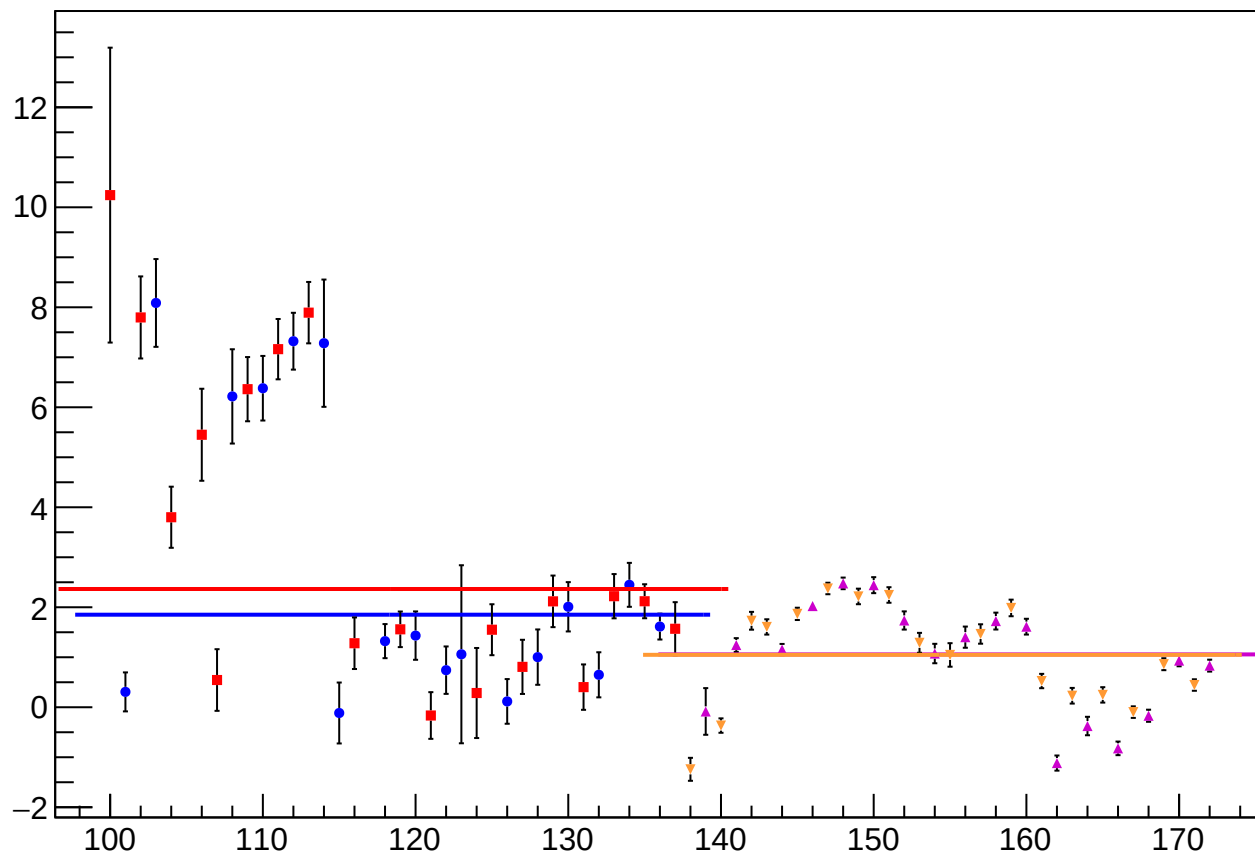
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.780 $\pm$ 0.048 χ^2 /NDF:1491.0/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.439 $\pm$ 0.047 χ^2 /NDF:1383.4/16

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 5.606 $\pm$ 0.034 χ^2 /NDF: 2900.3/34
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.049 ± 0.035 χ^2/NDF : 749.6/17

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

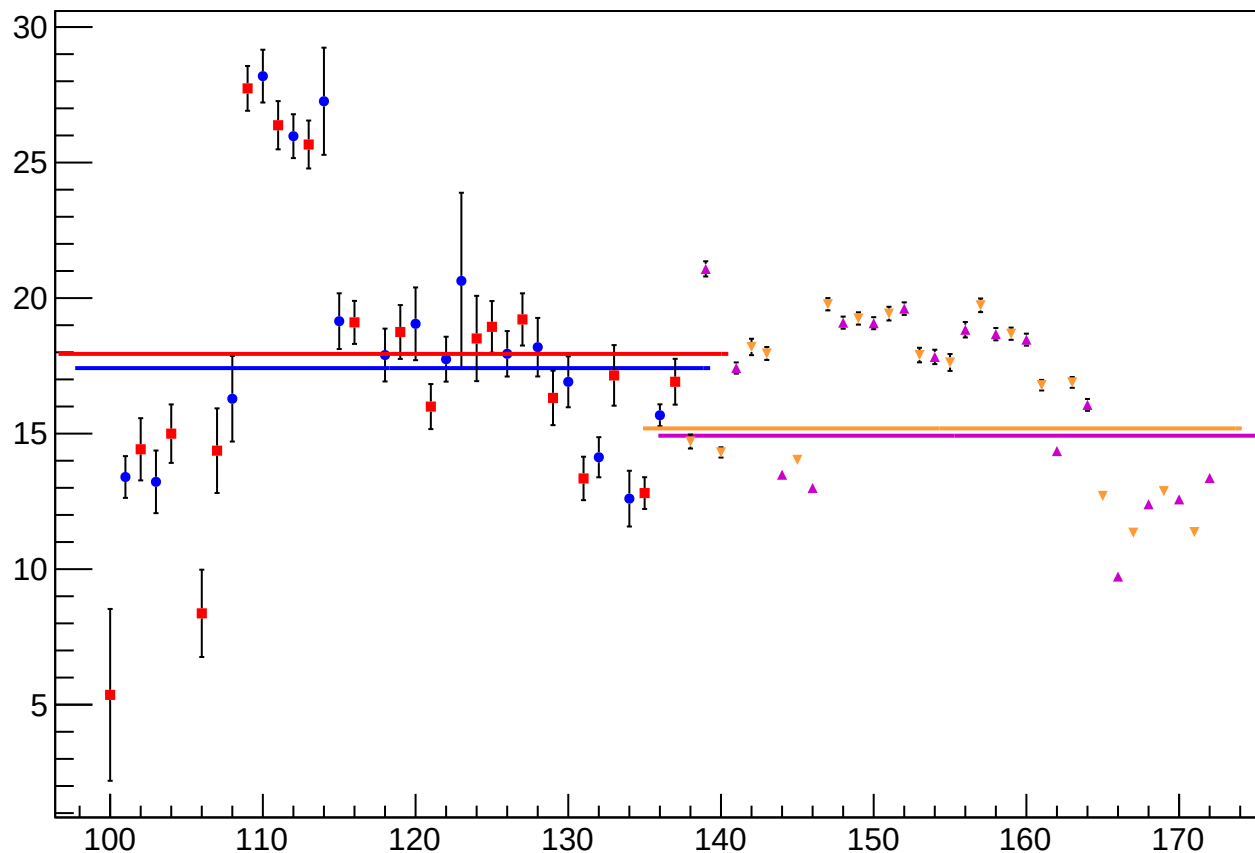
Left In: 1.057 ± 0.034 χ^2/NDF : 939.4/16

+ sign 1.114 ± 0.033 χ^2/NDF : 1086.8/34

All: 1.133 ± 0.023 χ^2/NDF : 2468.8/70

- 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: 15.192 $\pm$ 0.048 χ^2 /NDF: 3965.8/17

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

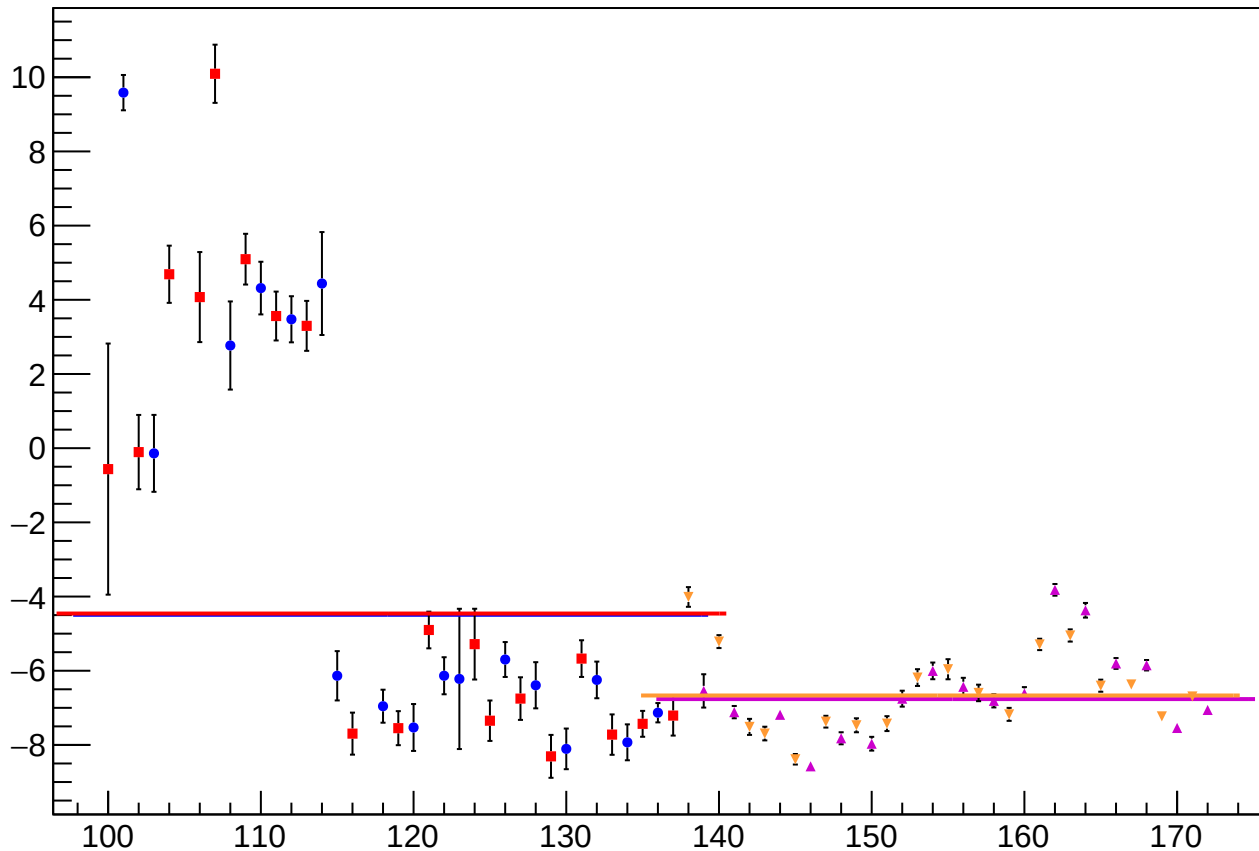
Left In: 14.923 $\pm$ 0.047 χ^2 /NDF: 4605.0/16

+ sign 15.299 $\pm$ 0.047 χ^2 /NDF: 4437.0/34

All: 15.174 $\pm$ 0.033 χ^2 /NDF: 9743.2/70

- 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: -6.667 ± 0.040 χ^2/NDF : 637.1/17

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

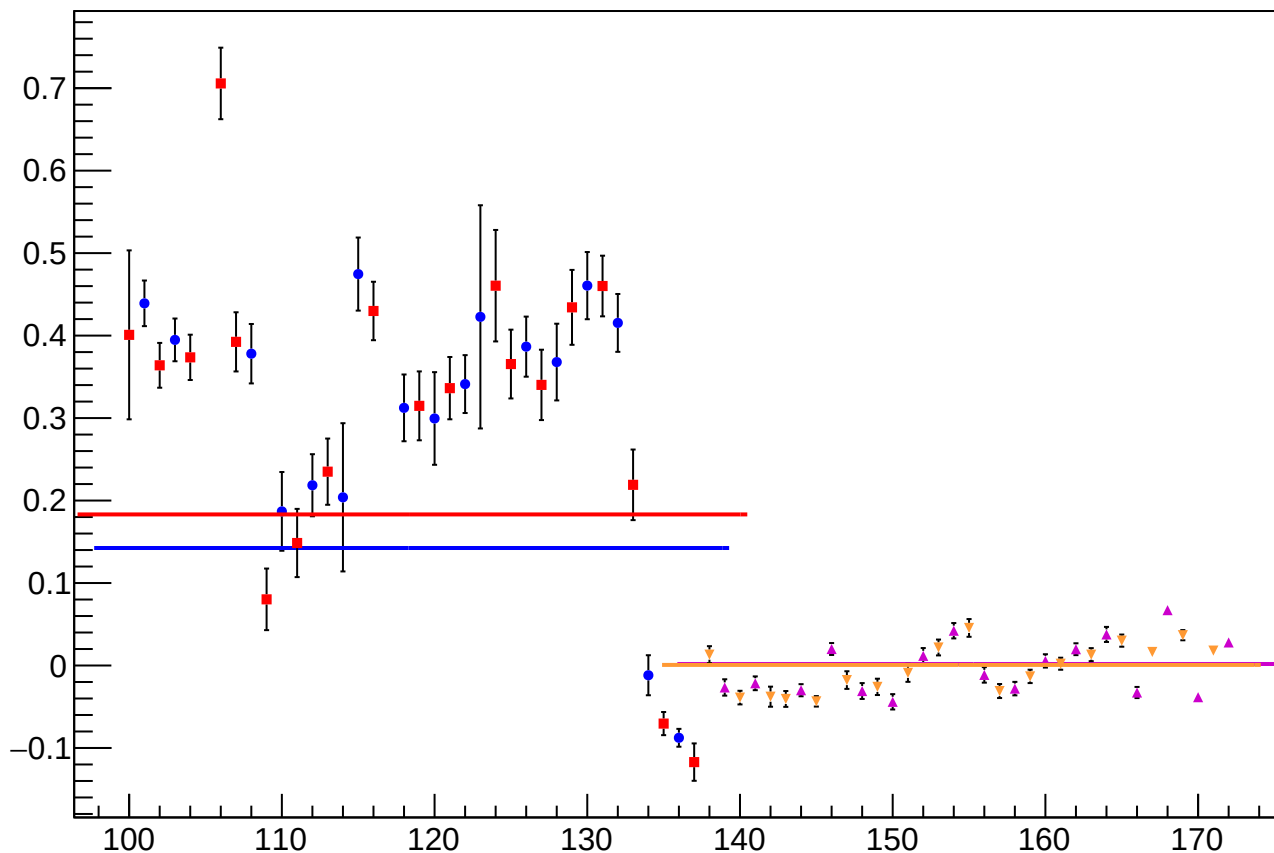
Left In: -6.764 ± 0.040 χ^2/NDF : 951.7/16

+ sign -6.479 ± 0.038 χ^2/NDF : 2476.7/34

All: -6.533 ± 0.027 χ^2/NDF : 5032.7/70

- 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: 0.001 $\pm$ 0.002 χ^2 /NDF:222.2/17

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 1000.9/18

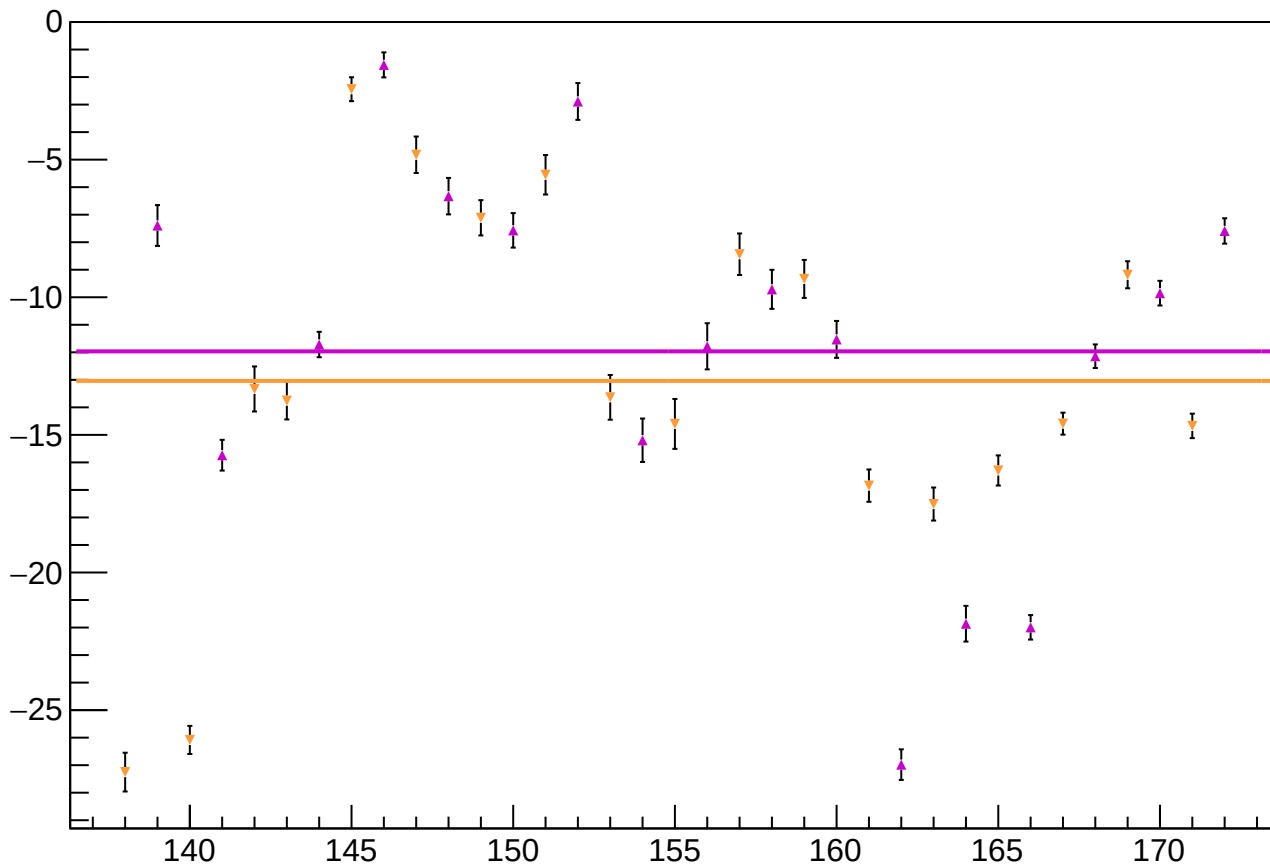
Left In: 0.002 $\pm$ 0.002 χ^2 /NDF:374.0/16

+ sign 0.010 $\pm$ 0.002 χ^2 /NDF: 1656.9/34

All: 0.011 $\pm$ 0.001 χ^2 /NDF: 3597.3/70

- 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: -13.039+/-0.138 χ^2/NDF : 2297.8/17

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

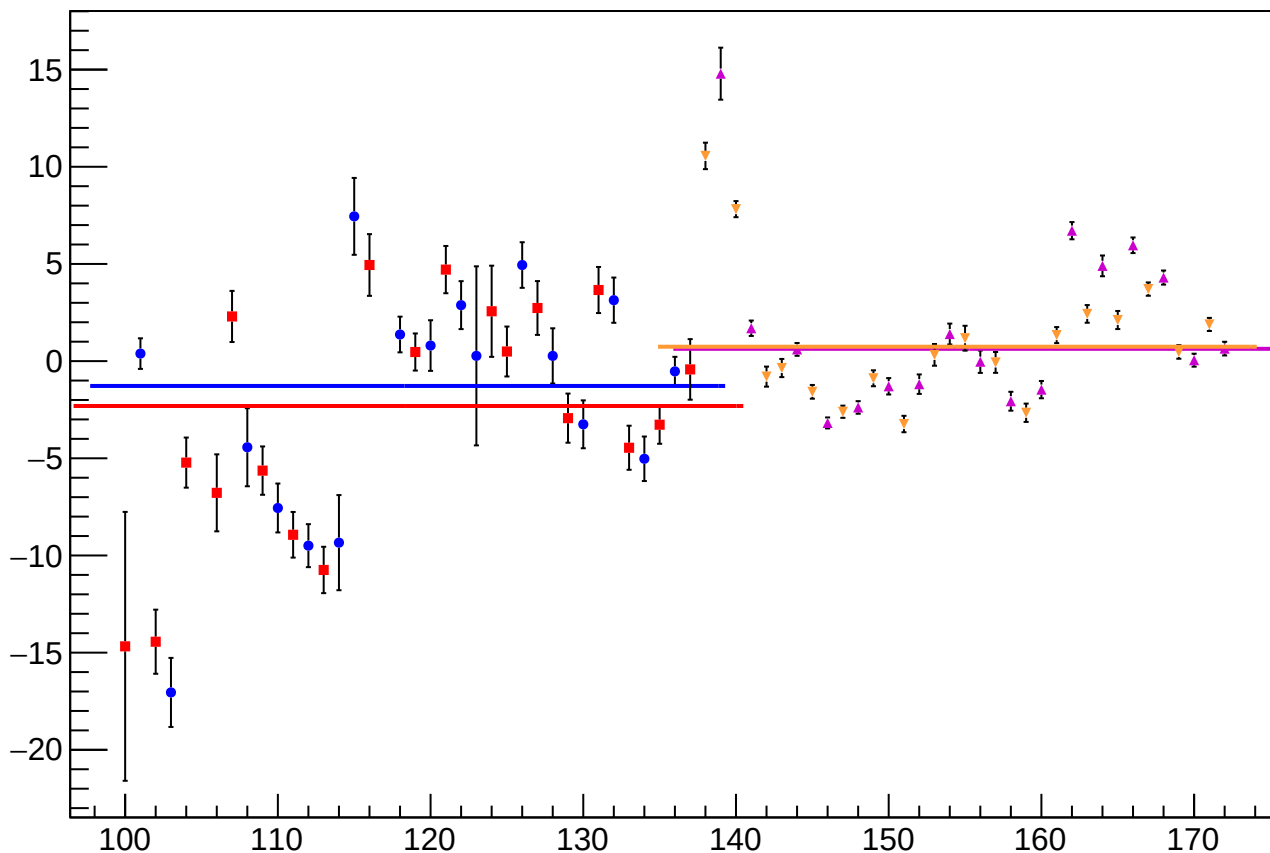
Left In: -11.966+/-0.135 χ^2/NDF : 2524.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.492+/-0.097 χ^2/NDF : 4853.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 0.741 ± 0.100 χ^2/NDF : 942.0/17

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

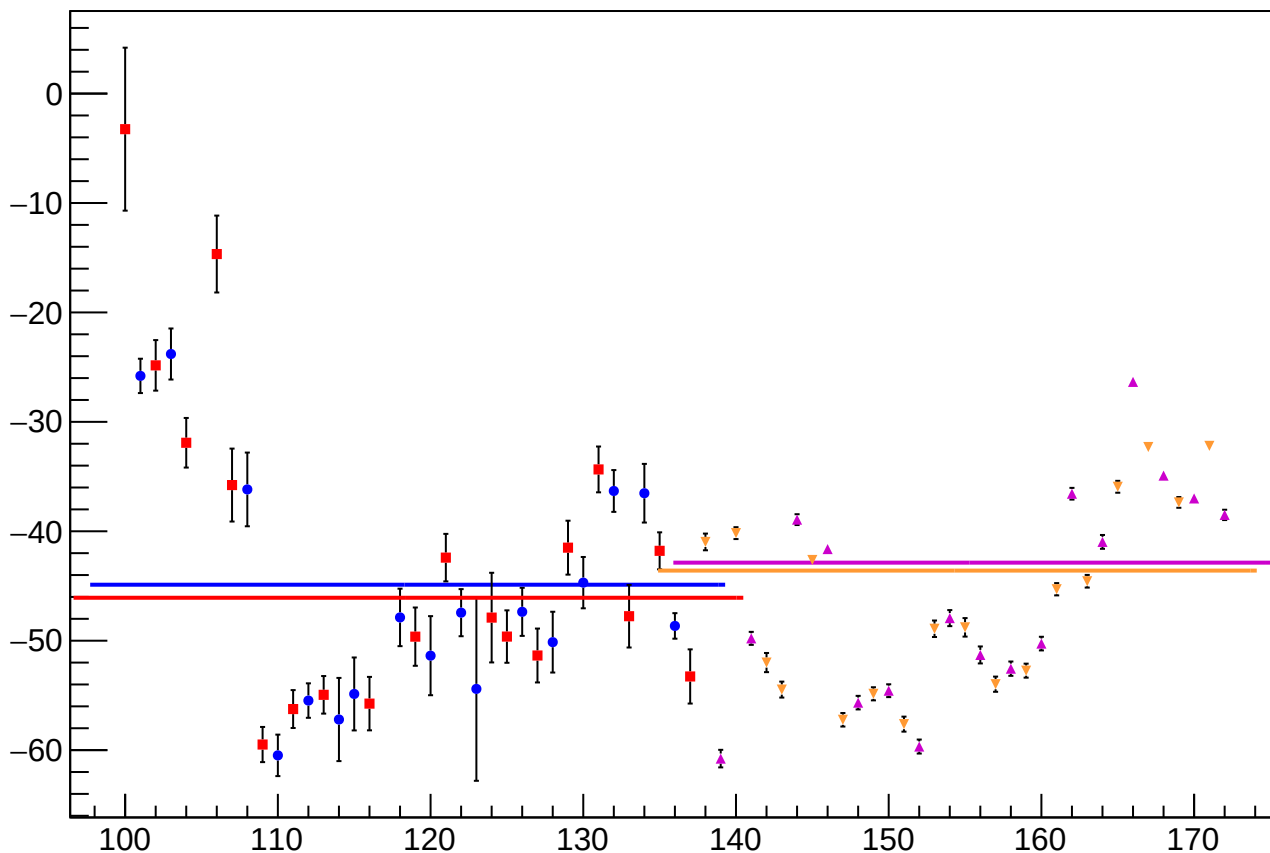
Left In: 0.633 ± 0.098 χ^2/NDF : 1012.1/16

+ sign 0.530 ± 0.094 χ^2/NDF : 1261.2/34

All: 0.439 ± 0.067 χ^2/NDF : 2646.0/70

- sign 0.351 ± 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: -43.592 ± 0.138 χ^2/NDF : 3927.7/17

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

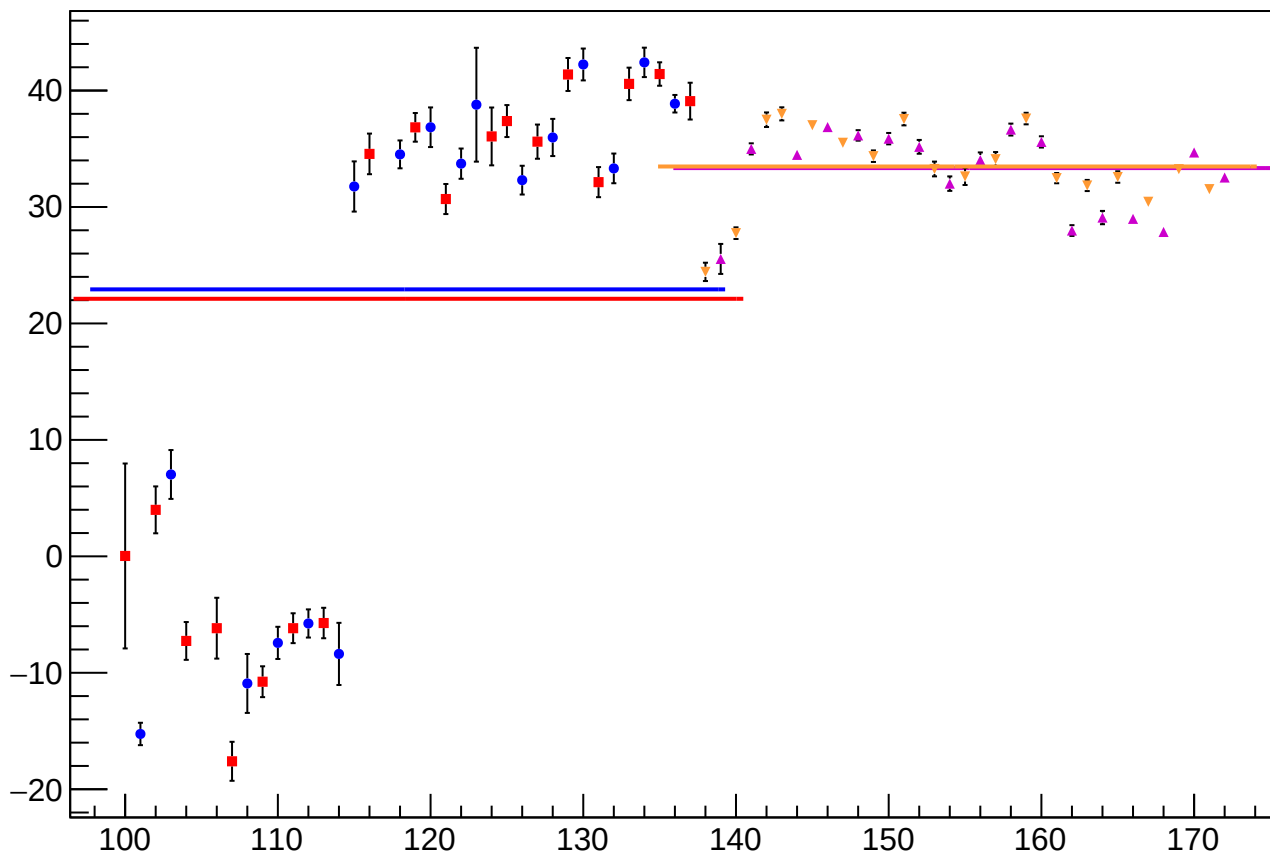
Left In: -42.867 ± 0.134 χ^2/NDF : 4814.5/16

+ sign -43.675 ± 0.133 χ^2/NDF : 4354.3/34

All: -43.360 ± 0.093 χ^2/NDF : 9668.7/70

- 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: 33.478 $\pm$ 0.115 χ^2 /NDF: 709.3/17

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

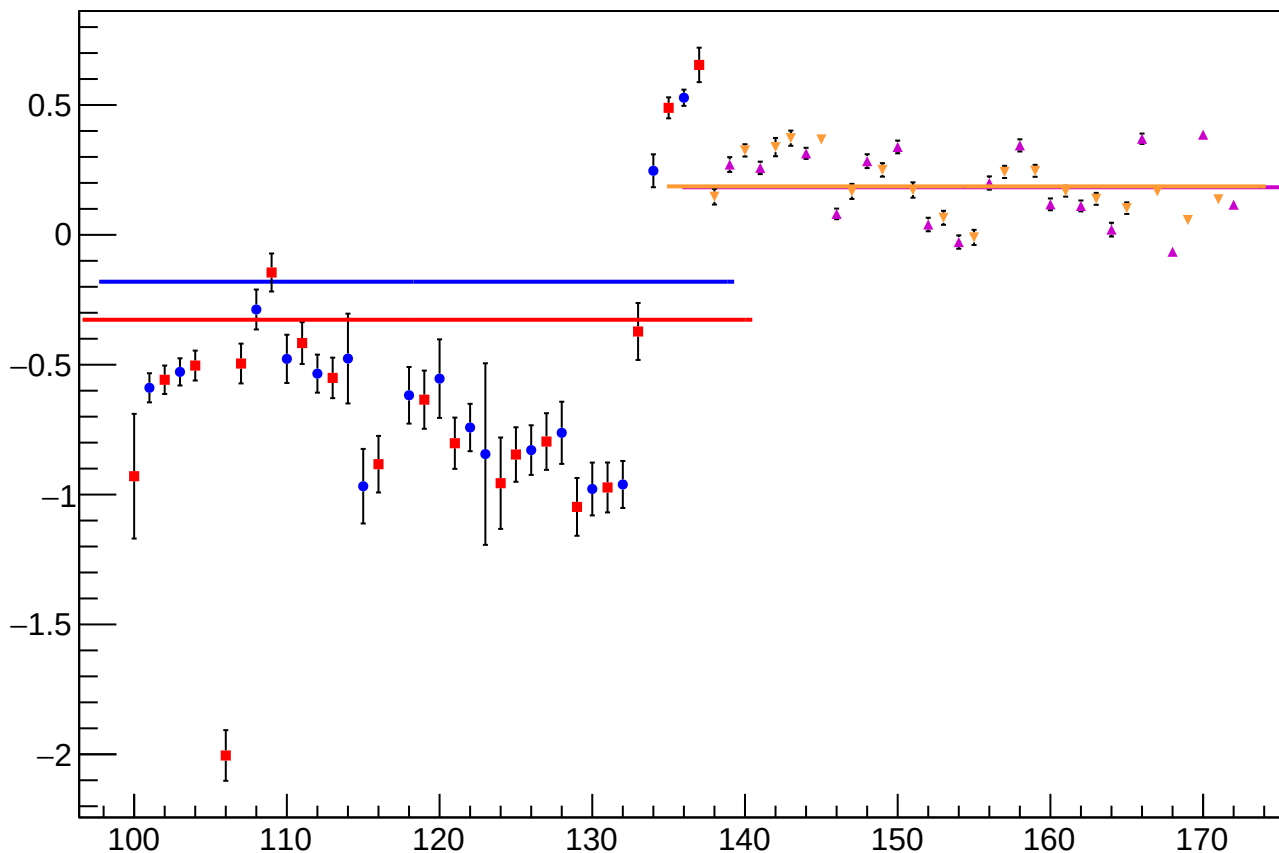
Left In: 33.341 $\pm$ 0.114 χ^2 /NDF: 779.1/16

+ sign 32.321 $\pm$ 0.109 χ^2 /NDF: 5960.7/34

All: 32.266 $\pm$ 0.077 χ^2 /NDF: 11754.1/70

- 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 : 360.6/17

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

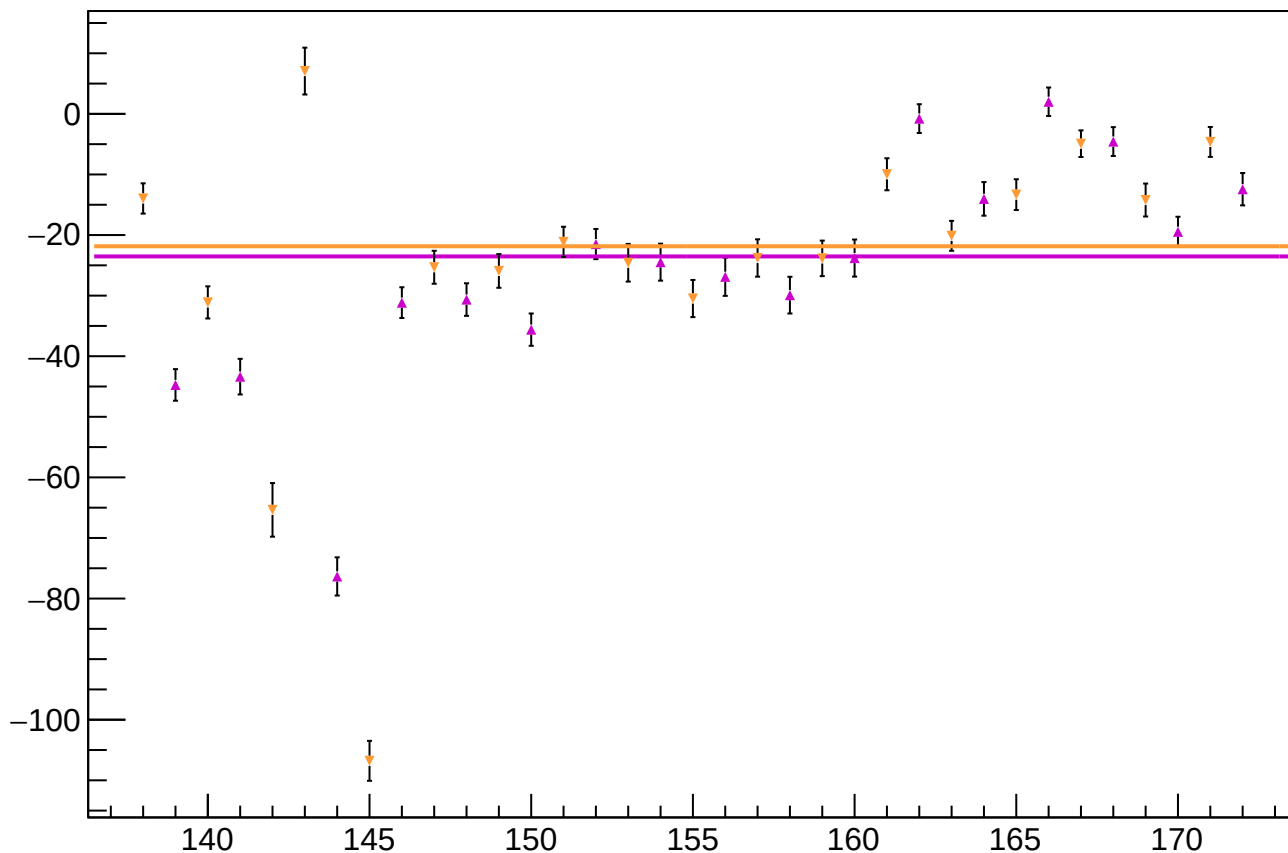
Left In: 0.183 ± 0.005 χ^2/NDF : 824.5/16

+ sign 0.156 ± 0.005 χ^2/NDF : 1747.6/34

All: 0.150 ± 0.004 χ^2/NDF : 4475.4/70

- 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: -21.852+/-0.654 χ^2/NDF : 999.8/17

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

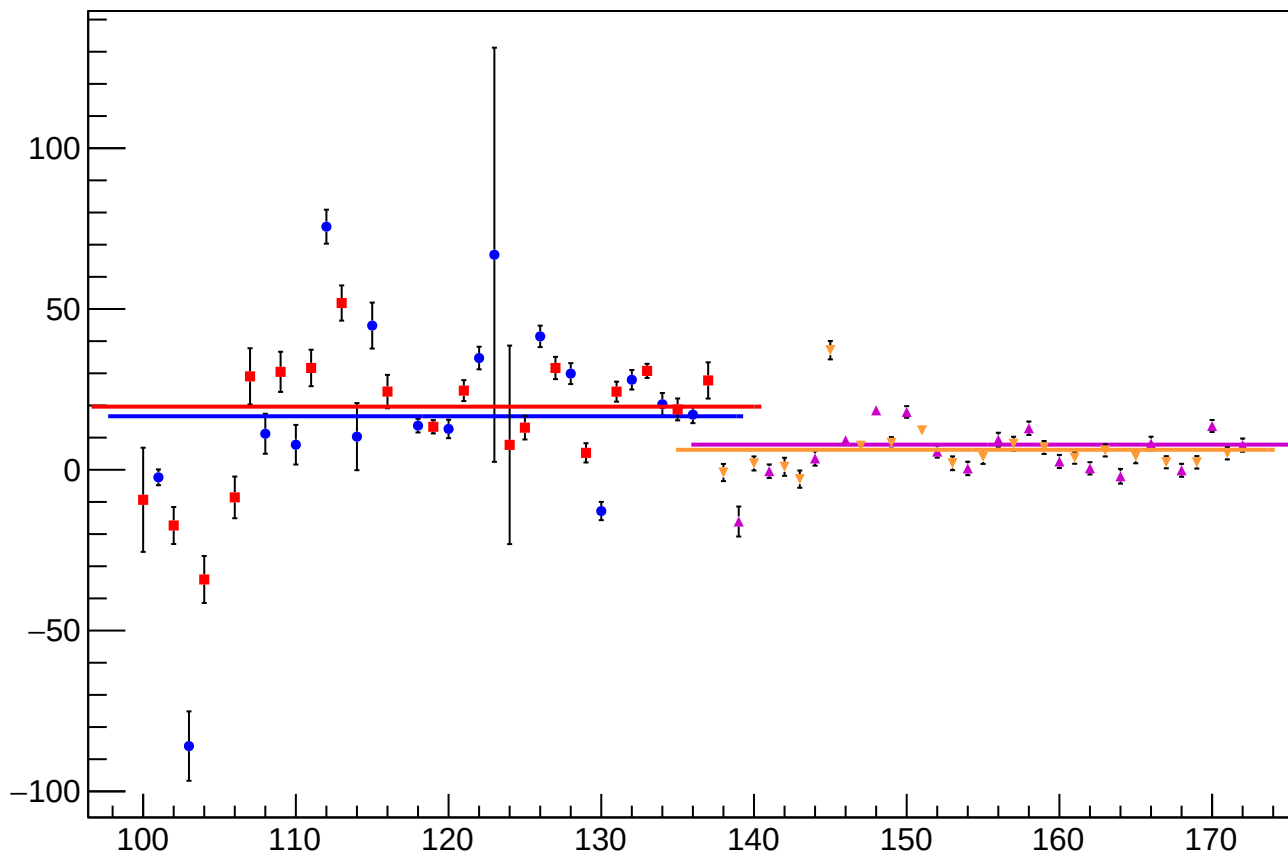
Left In: -23.528+/-0.652 χ^2/NDF : 739.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -22.692+/-0.462 χ^2/NDF : 1742.9/34

- 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: 6.215 ± 0.465 χ^2/NDF : 180.6/17

Right Out: 19.632 ± 0.896 χ^2/NDF : 241.7/18

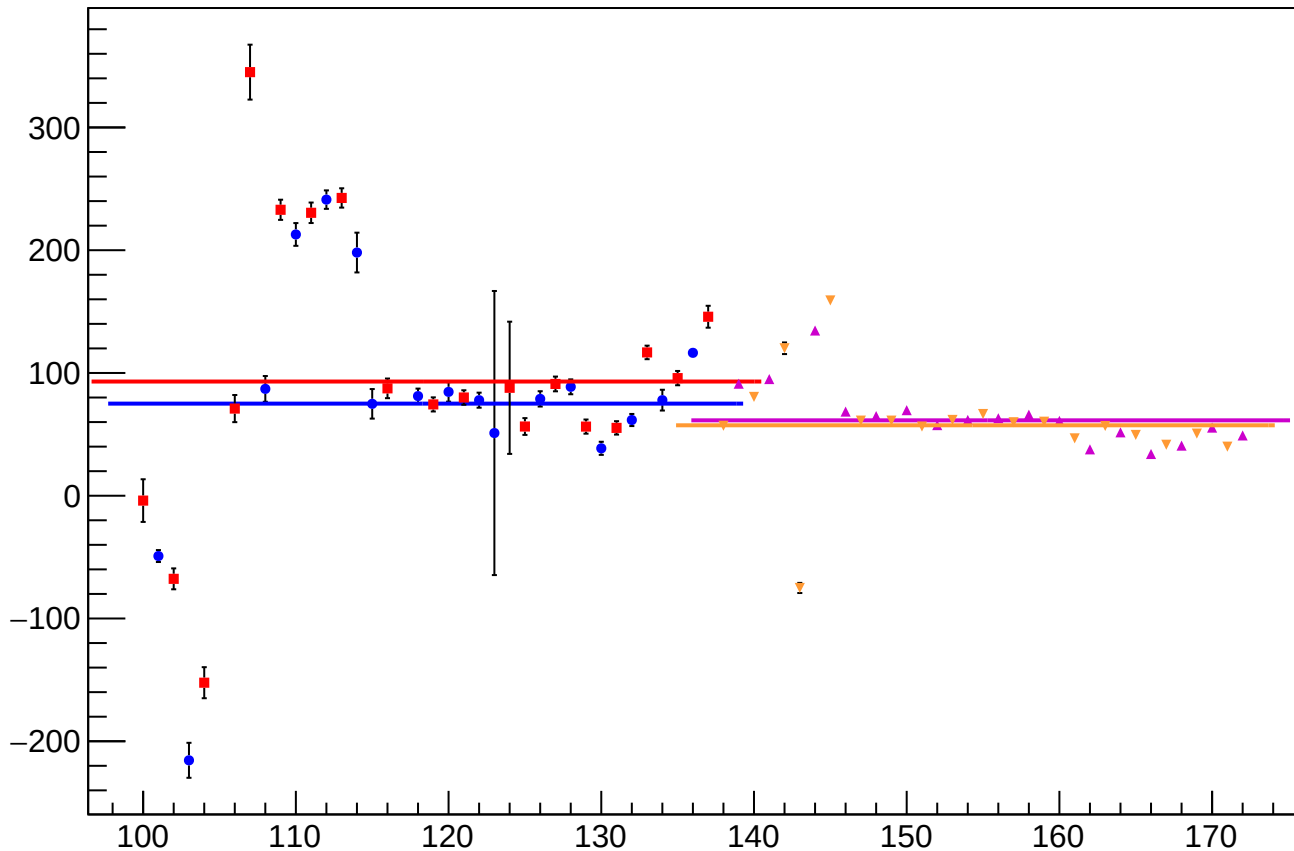
Left In: 7.819 ± 0.474 χ^2/NDF : 229.8/16

+ sign 8.578 ± 0.409 χ^2/NDF : 813.5/34

All: 9.466 ± 0.292 χ^2/NDF : 1430.5/70

- sign 10.397 ± 0.419 χ^2/NDF : 607.3/35

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 57.380 $\pm$ 0.644 χ^2 /NDF: 2308.0/17

Right Out: 93.028 $\pm$ 1.711 χ^2 /NDF: 2003.6/18

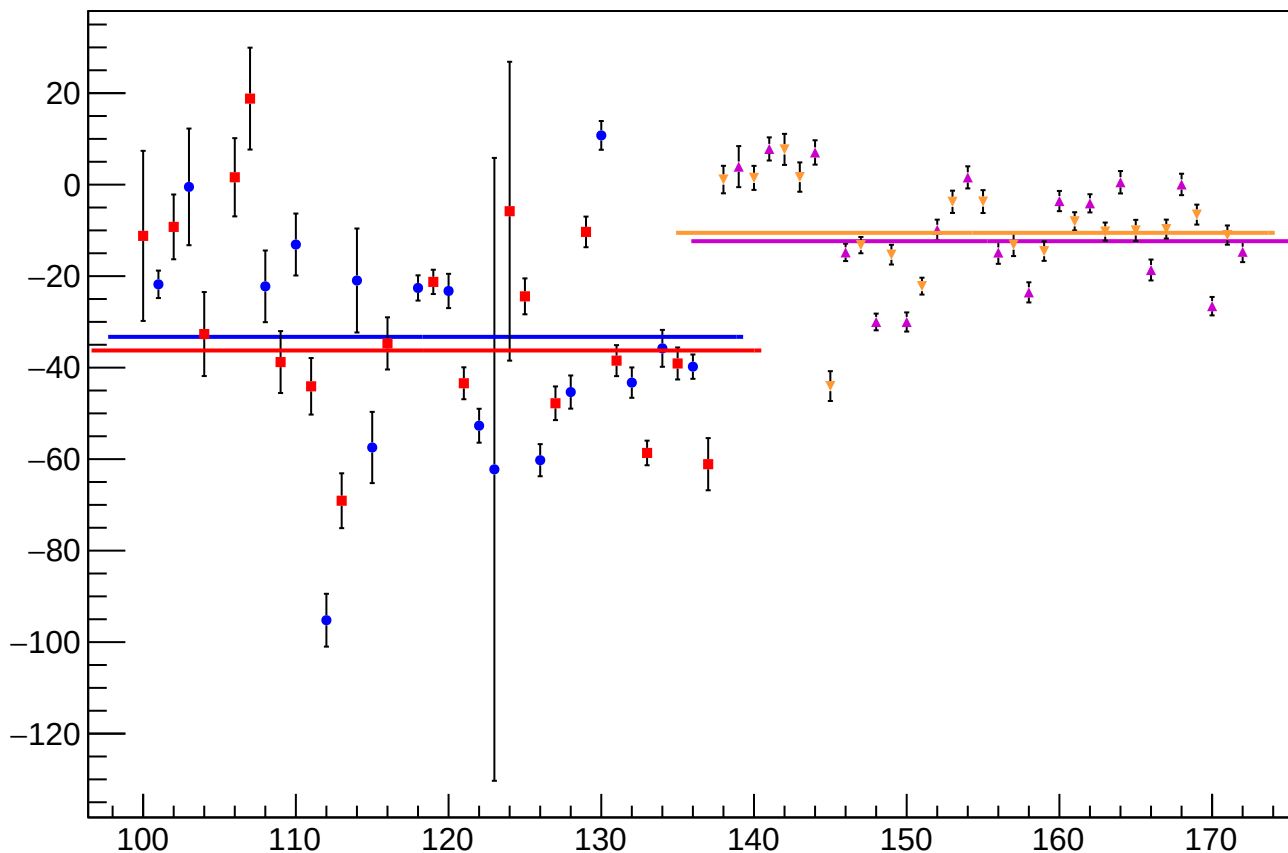
Left In: 61.423 $\pm$ 0.640 χ^2 /NDF: 1075.4/16

+ sign 59.719 $\pm$ 0.599 χ^2 /NDF: 4407.4/34

All: 62.510 $\pm$ 0.424 χ^2 /NDF: 7828.9/70

- sign 65.299 $\pm$ 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: -10.534 ± 0.540 χ^2/NDF : 256.9/17

Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

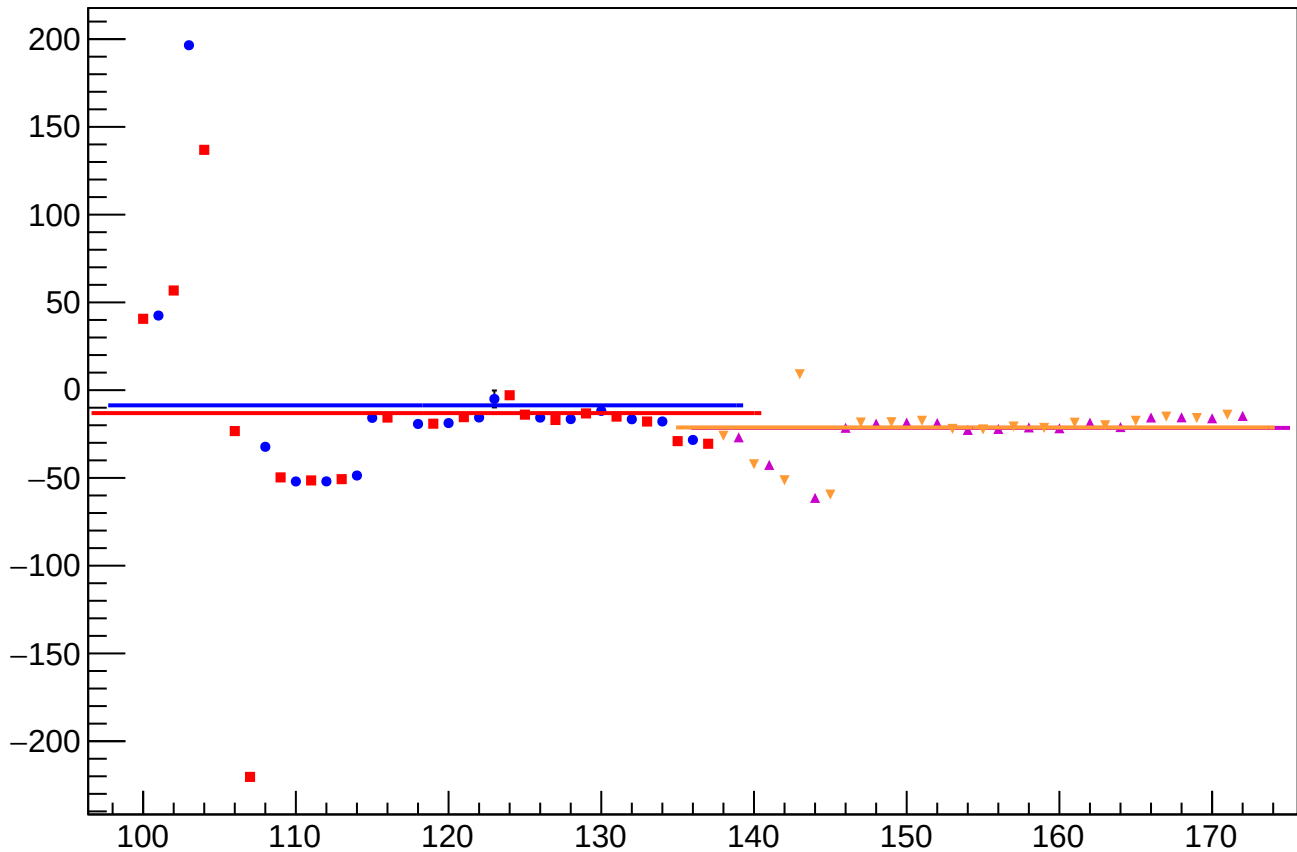
Left In: -12.359 ± 0.548 χ^2/NDF : 504.5/16

+ sign -15.808 ± 0.473 χ^2/NDF : 1158.1/34

All: -16.721 ± 0.338 χ^2/NDF : 2391.2/70

- 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: -21.252 ± 0.025 $\chi^2/\text{NDF}: 189445.7/17$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

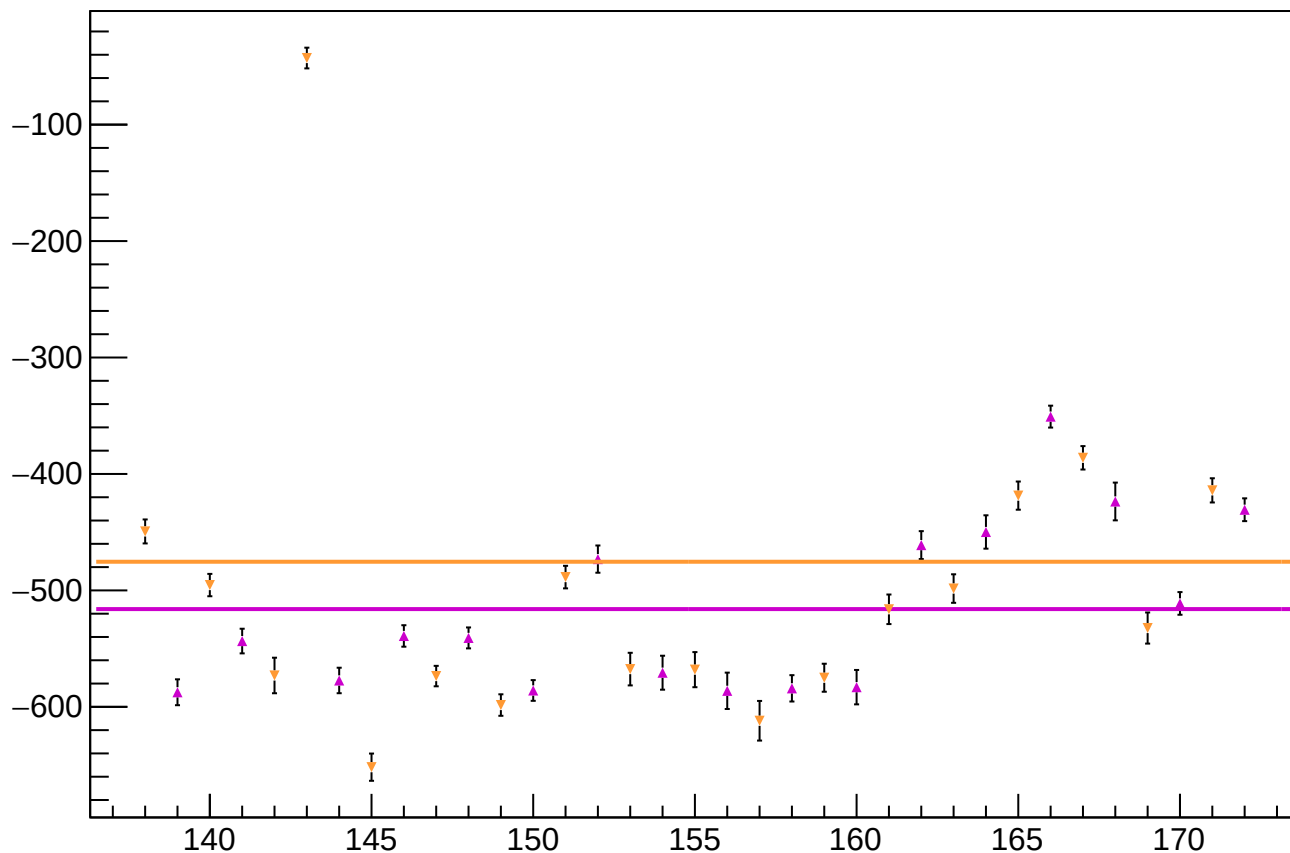
Left In: -21.505 ± 0.025 $\chi^2/\text{NDF}: 123512.3/16$

+ sign -19.333 ± 0.023 $\chi^2/\text{NDF}: 803707.4/34$

All: -19.831 ± 0.016 $\chi^2/\text{NDF}: 1502461.4/70$

- sign -20.329 ± 0.023 $\chi^2/\text{NDF}: 697821.8/35$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -475.387 $\pm$ 2.634 χ^2 /NDF:3328.1/17

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

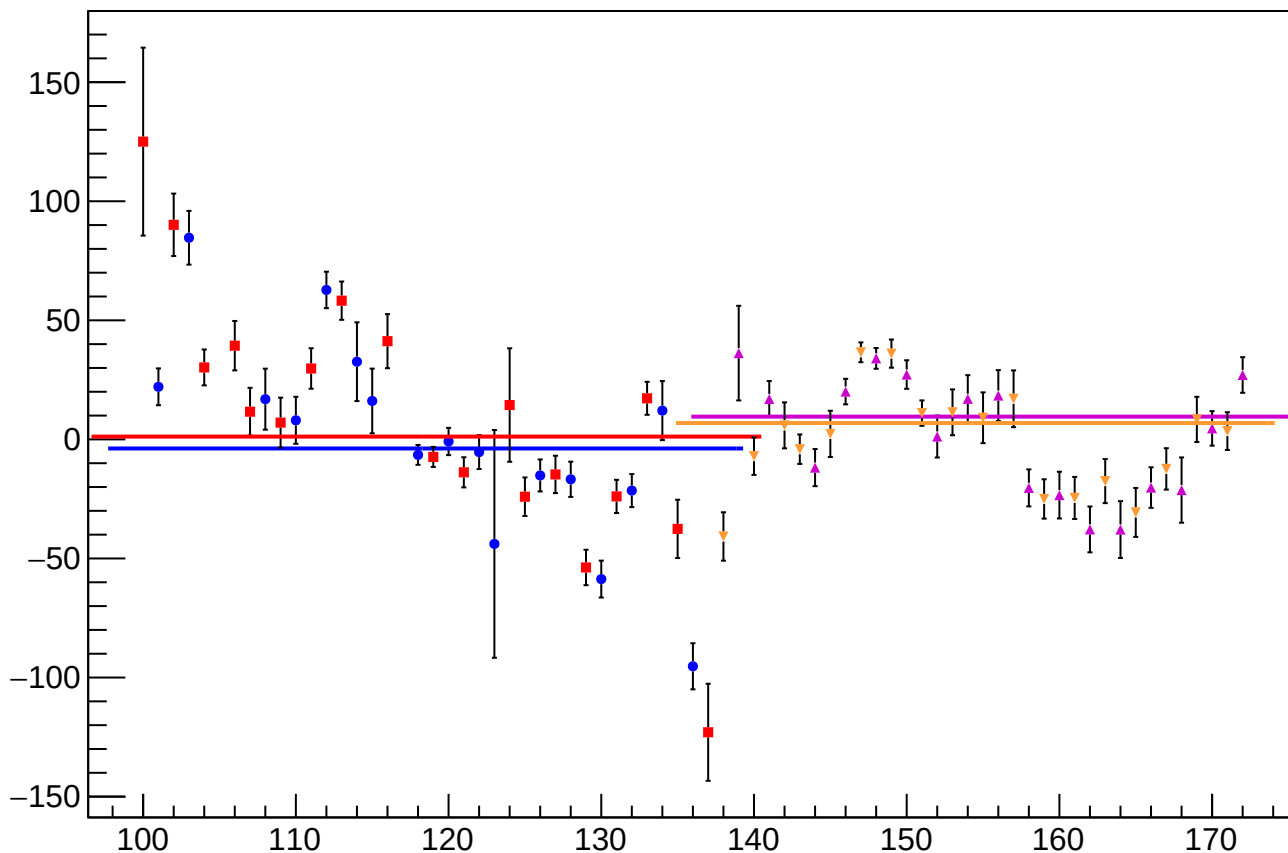
Left In: -516.043 $\pm$ 2.686 χ^2 /NDF:719.3/16

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

All: -495.314 $\pm$ 1.881 χ^2 /NDF: 4164.2/34

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

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 6.869 ± 1.795 χ^2/NDF : 158.3/17

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

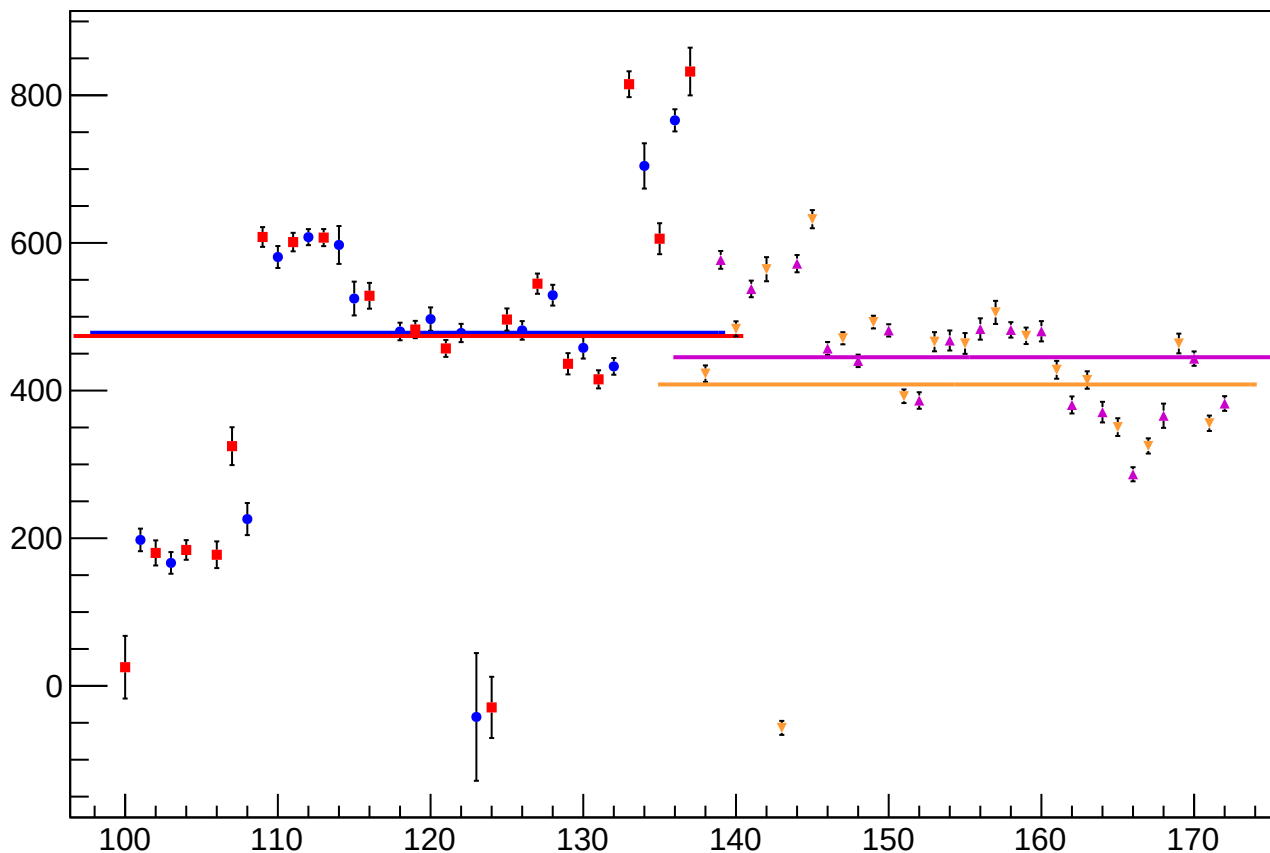
Left In: 9.561 ± 1.874 χ^2/NDF : 146.0/16

+ sign 1.895 ± 1.312 χ^2/NDF : 489.1/34

All: 3.639 ± 0.937 χ^2/NDF : 952.4/70

- sign 5.455 ± 1.339 χ^2/NDF : 459.6/35

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2/NDF : 1628.8/16

Left Out: 408.280 $\pm$ 2.606 χ^2/NDF : 3276.7/17

Right Out: 473.902 $\pm$ 3.531 χ^2/NDF : 2285.0/18

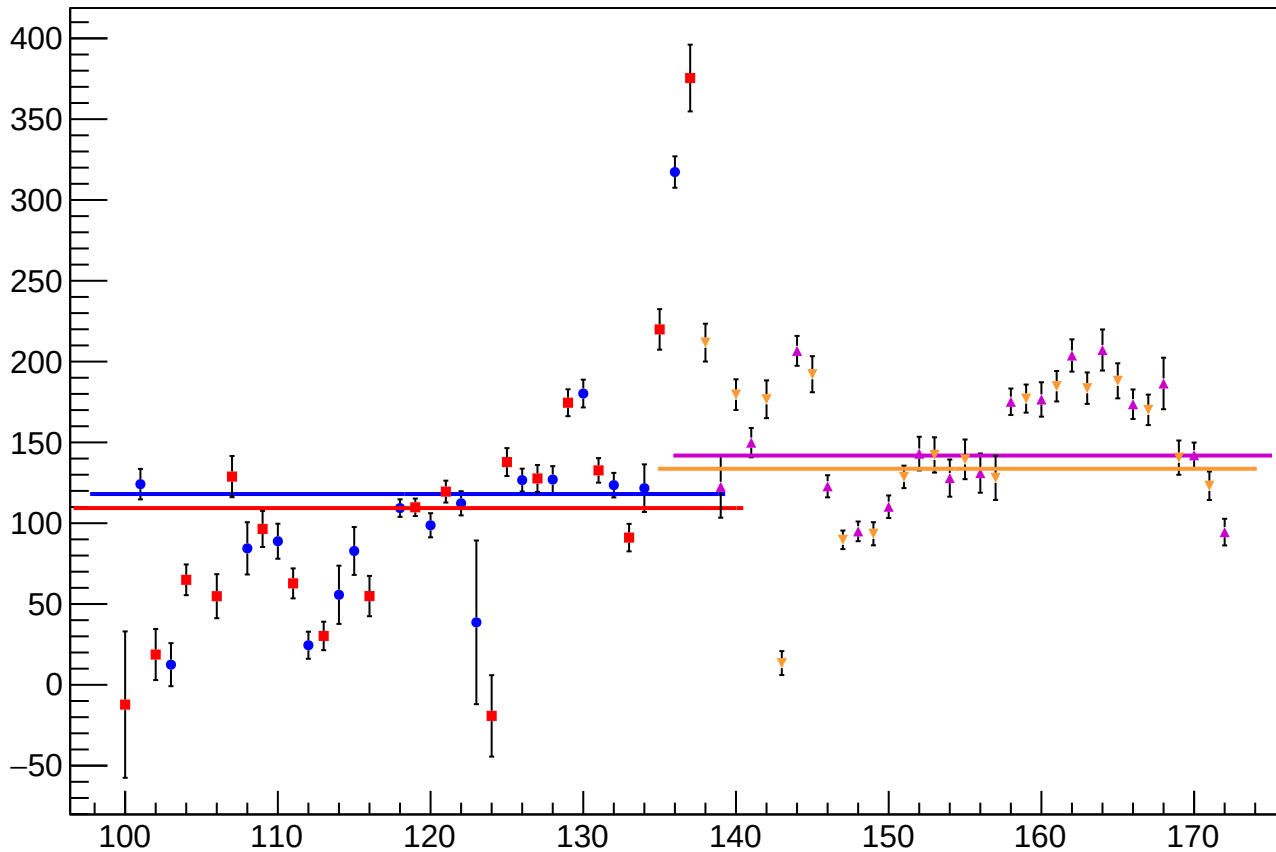
Left In: 445.183 $\pm$ 2.636 χ^2/NDF : 778.1/16

+ sign 431.830 $\pm$ 2.123 χ^2/NDF : 5148.4/34

All: 443.707 $\pm$ 1.497 χ^2/NDF : 8316.3/70

- sign 455.459 $\pm$ 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: 133.683 ± 2.133 $\chi^2/\text{NDF}: 587.7/17$

Right Out: 109.367 ± 2.205 $\chi^2/\text{NDF}: 569.8/18$

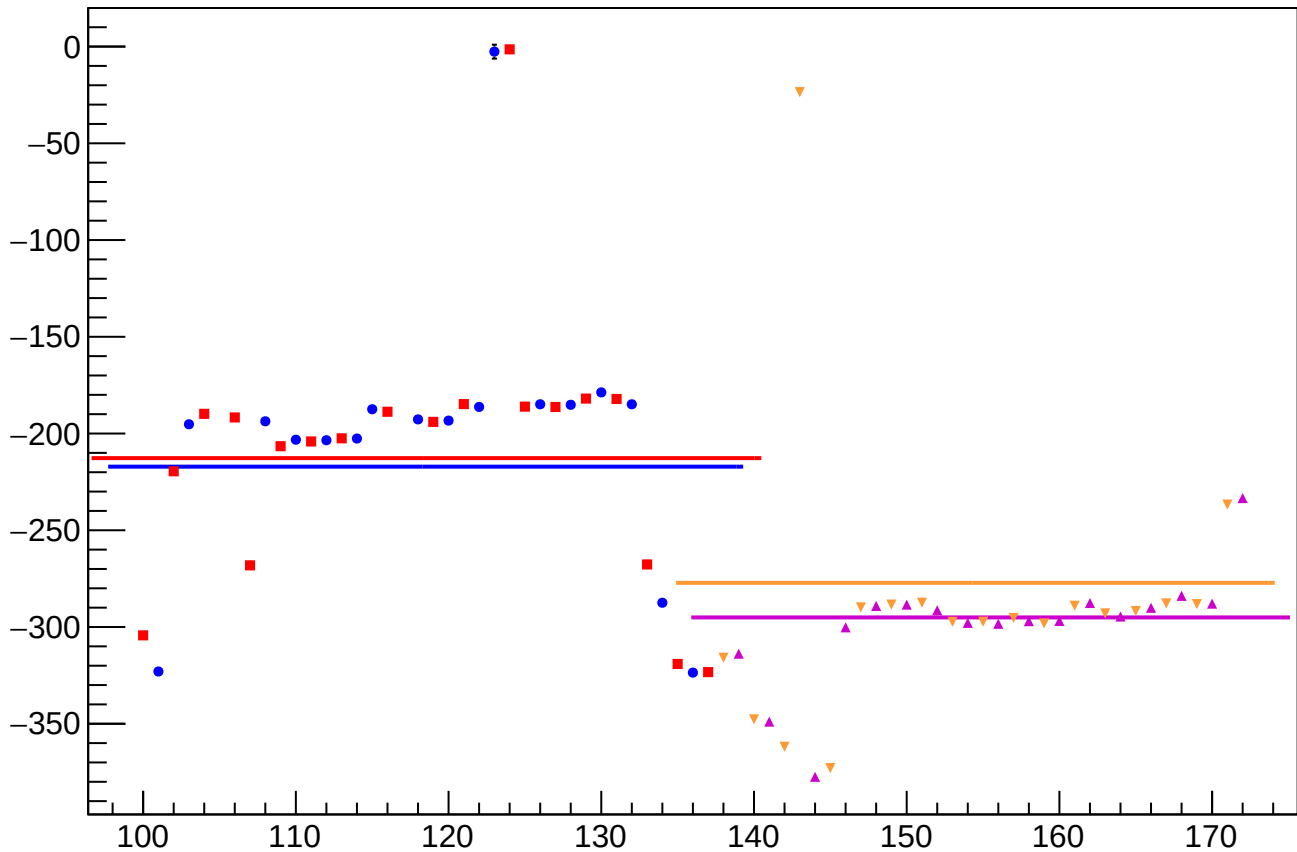
Left In: 141.863 ± 2.205 $\chi^2/\text{NDF}: 285.7/16$

+ sign 126.198 ± 1.540 $\chi^2/\text{NDF}: 1318.7/34$

All: 125.911 ± 1.096 $\chi^2/\text{NDF}: 2282.9/70$

- 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: -277.167 ± 0.104 $\chi^2/\text{NDF}: 559104.2/17$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

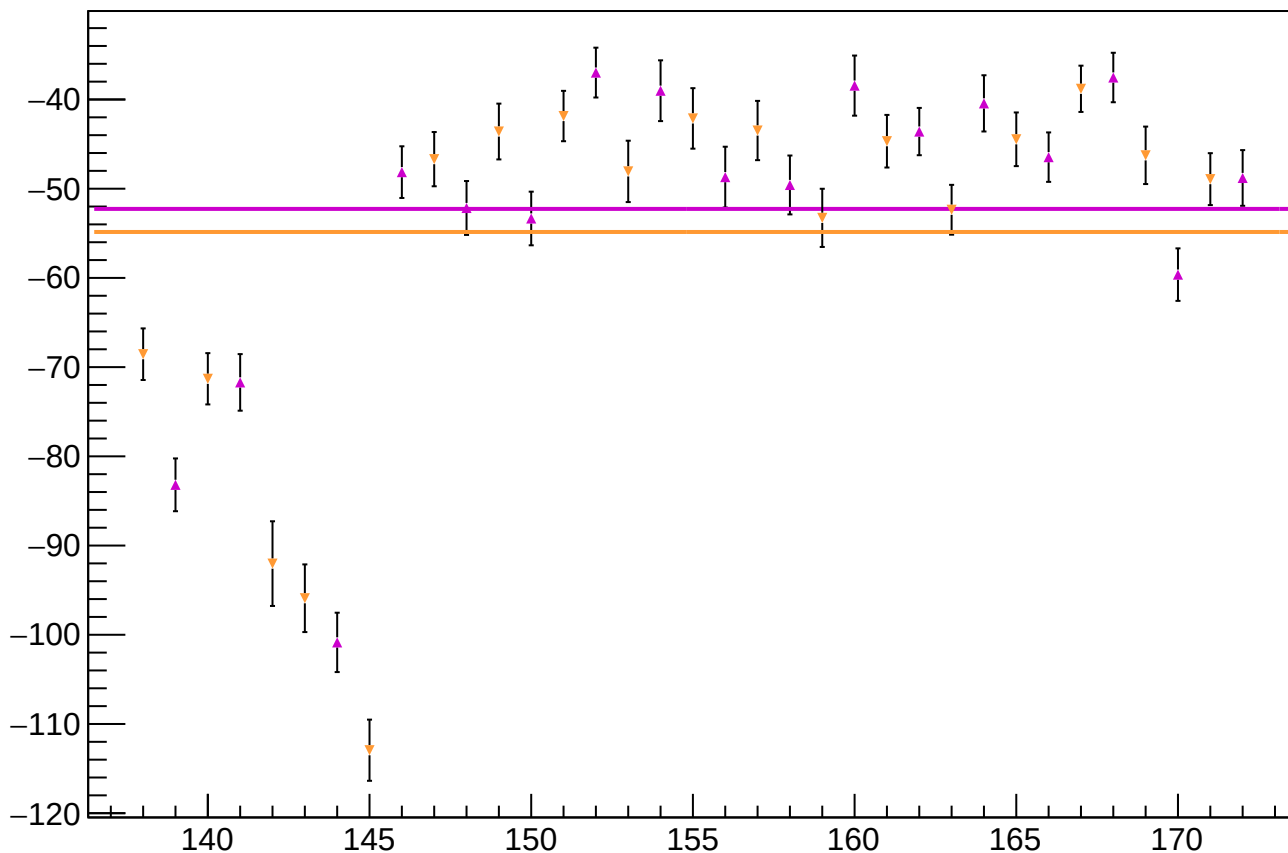
Left In: -295.040 ± 0.104 $\chi^2/\text{NDF}: 74101.6/16$

+ sign -255.185 ± 0.083 $\chi^2/\text{NDF}: 828200.7/34$

All: -259.123 ± 0.058 $\chi^2/\text{NDF}: 1266303.9/70$

- sign -262.934 ± 0.081 $\chi^2/\text{NDF}: 433633.9/35$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -54.850 $\pm$ 0.735 χ^2 /NDF:666.4/17

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

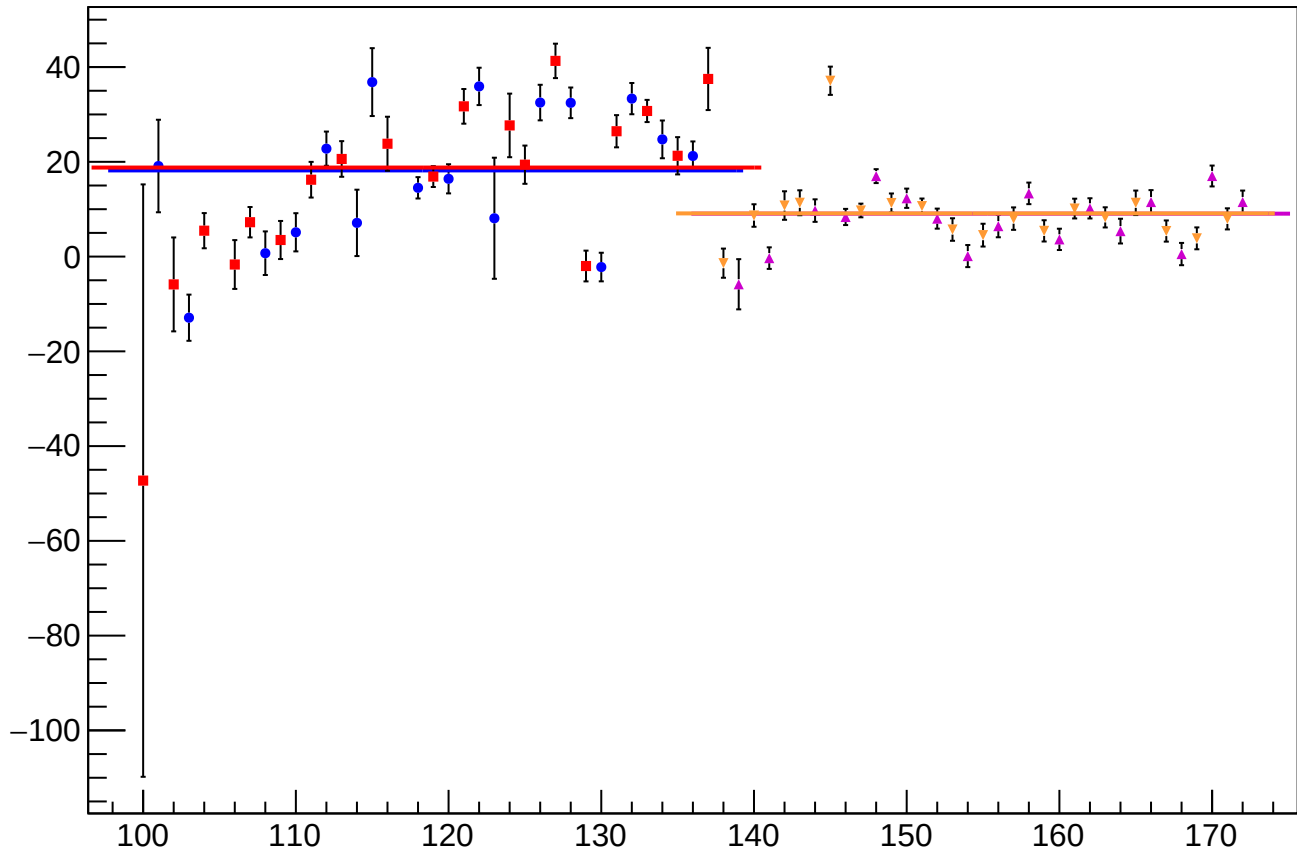
Left In: -52.264 $\pm$ 0.736 χ^2 /NDF:490.9/16

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

All: -53.559 $\pm$ 0.520 χ^2 /NDF: 1163.4/34

- sign 0.000 $\pm$ 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: 9.114 ± 0.521 χ^2/NDF : 121.2/17

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

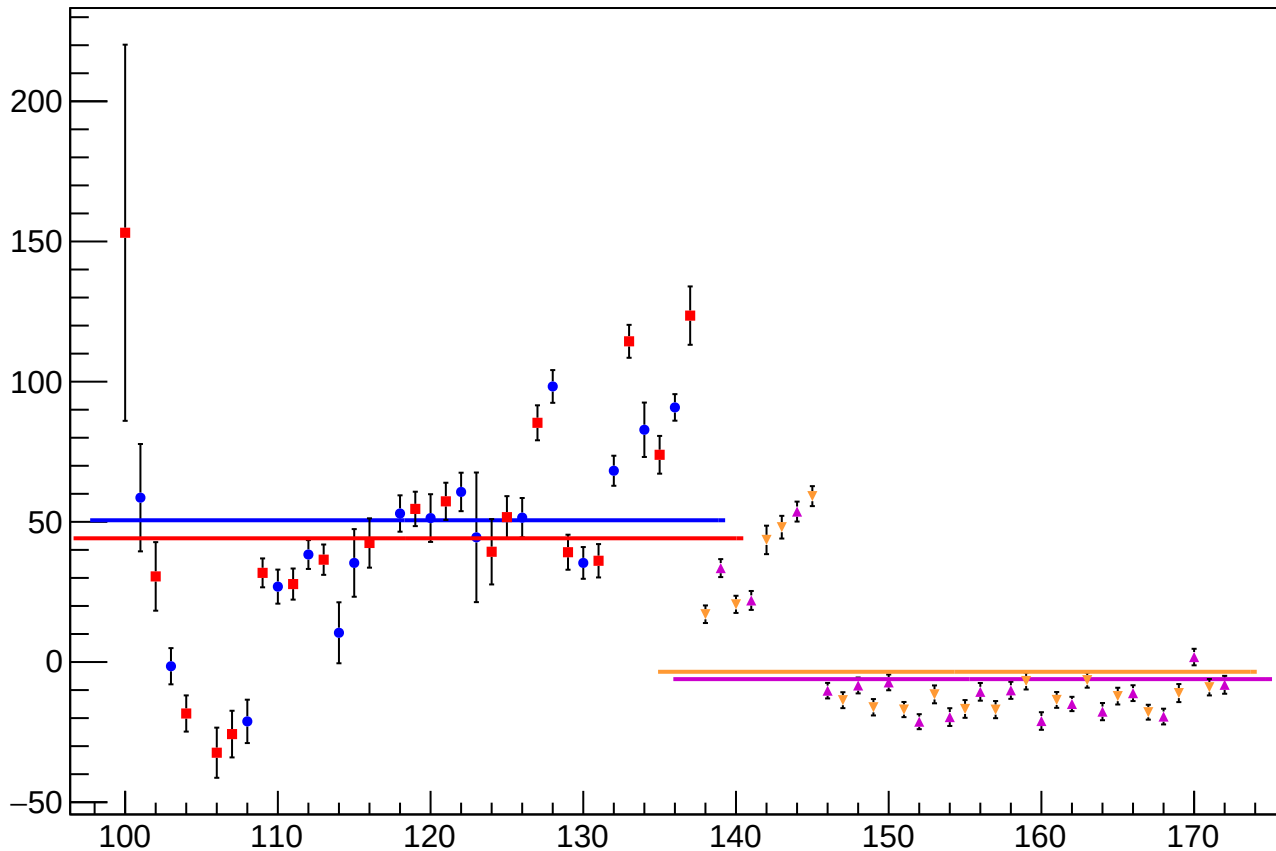
Left In: 9.057 ± 0.533 χ^2/NDF : 112.9/16

+ sign 11.328 ± 0.453 χ^2/NDF : 400.0/34

All: 11.538 ± 0.321 χ^2/NDF : 804.2/70

- sign 11.749 ± 0.454 χ^2/NDF : 403.7/35

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: -3.476 $\pm$ 0.724 χ^2 /NDF: 824.0/17

Right Out: 44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

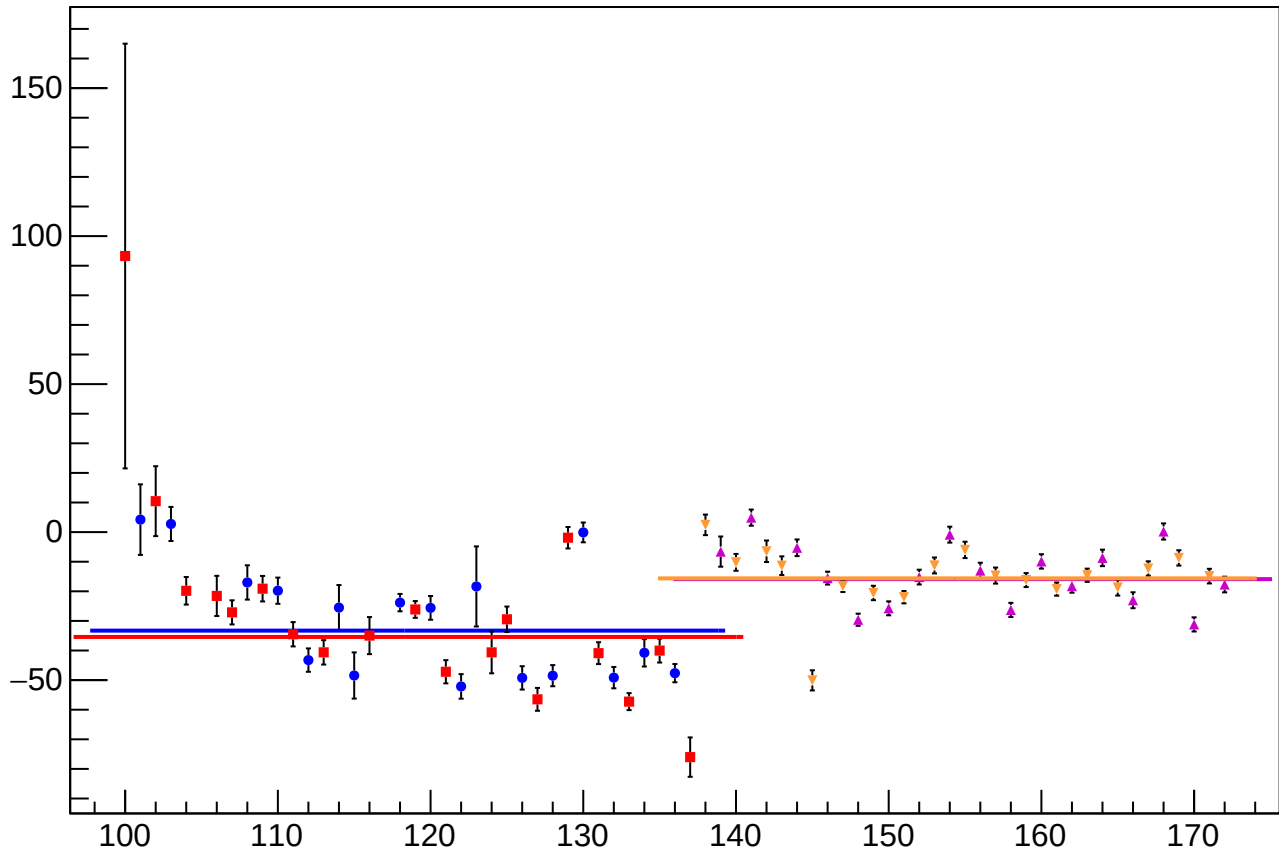
Left In: -6.098 $\pm$ 0.722 χ^2 /NDF: 643.4/16

+ sign 5.002 $\pm$ 0.664 χ^2 /NDF: 2056.8/34

All: 3.673 $\pm$ 0.468 χ^2 /NDF: 4057.6/70

- sign 2.370 $\pm$ 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: -15.627 ± 0.606 χ^2/NDF : 185.1/17

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

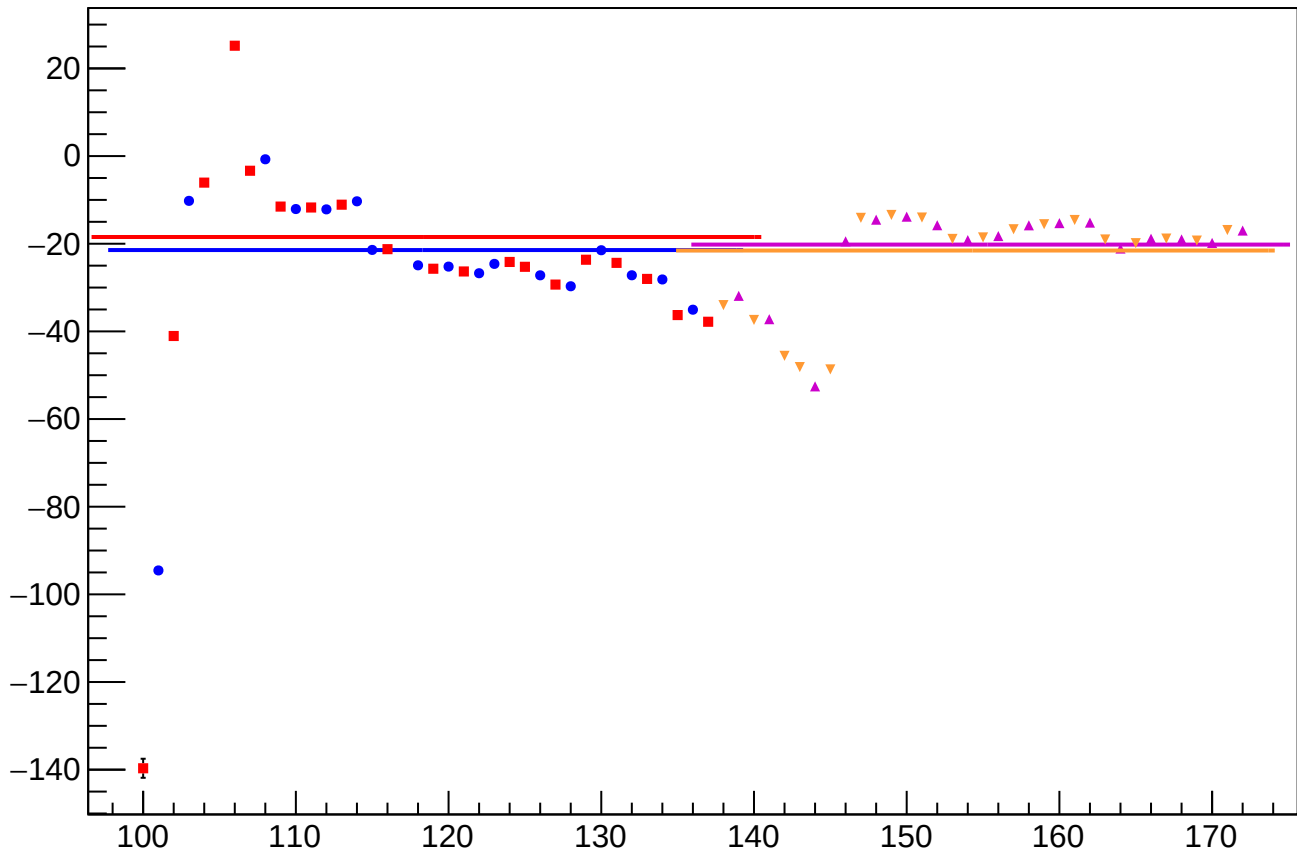
Left In: -15.887 ± 0.617 χ^2/NDF : 286.0/16

+ sign -20.080 ± 0.524 χ^2/NDF : 689.2/34

All: -20.709 ± 0.370 χ^2/NDF : 1547.6/70

- 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: -21.547 ± 0.028 χ^2/NDF : 128710.3/17

Right Out: -18.463 ± 0.057 χ^2/NDF : 80470.6/18

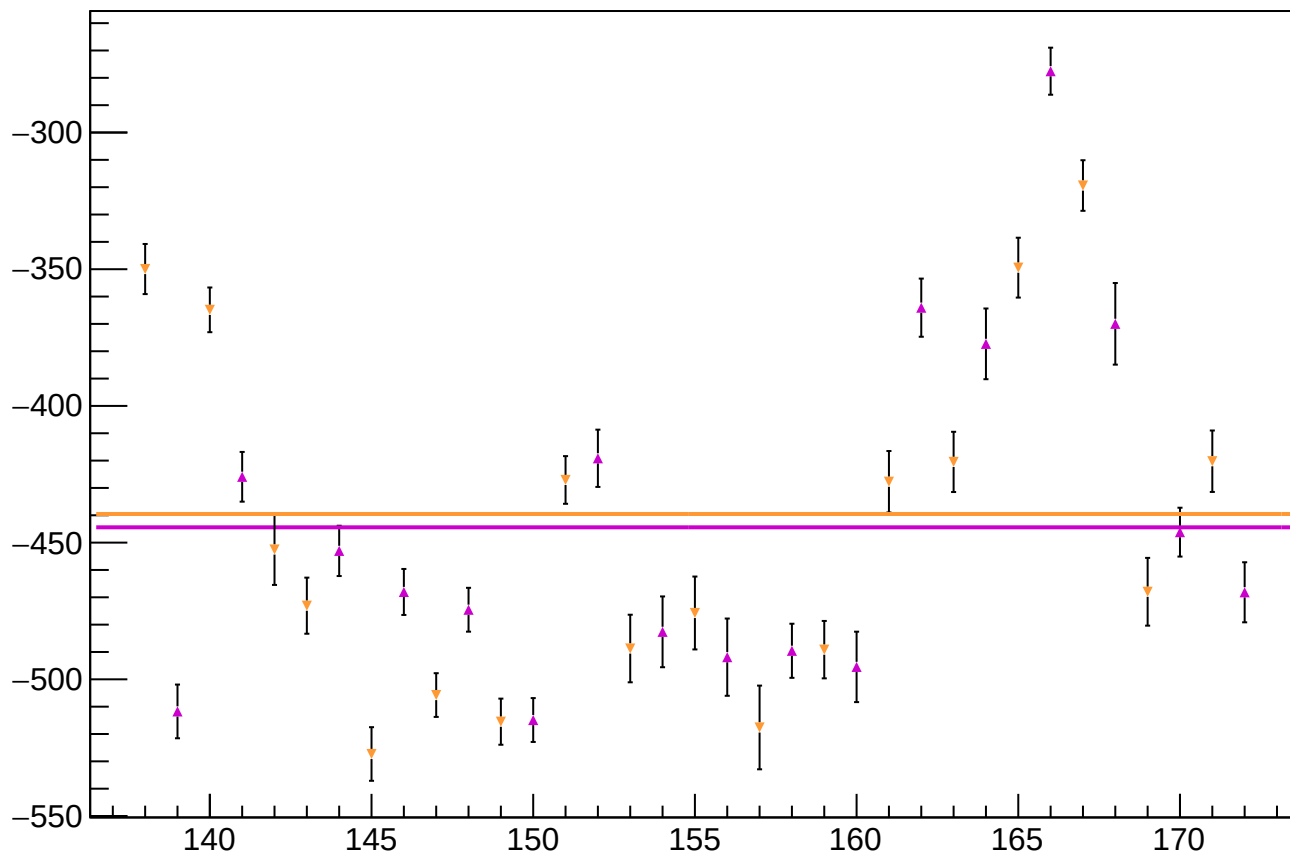
Left In: -20.195 ± 0.028 χ^2/NDF : 83964.8/16

+ sign -21.528 ± 0.025 χ^2/NDF : 177681.3/34

All: -20.688 ± 0.018 χ^2/NDF : 345022.0/70

- 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: -439.532+/-2.413 χ^2/NDF : 742.9/17

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

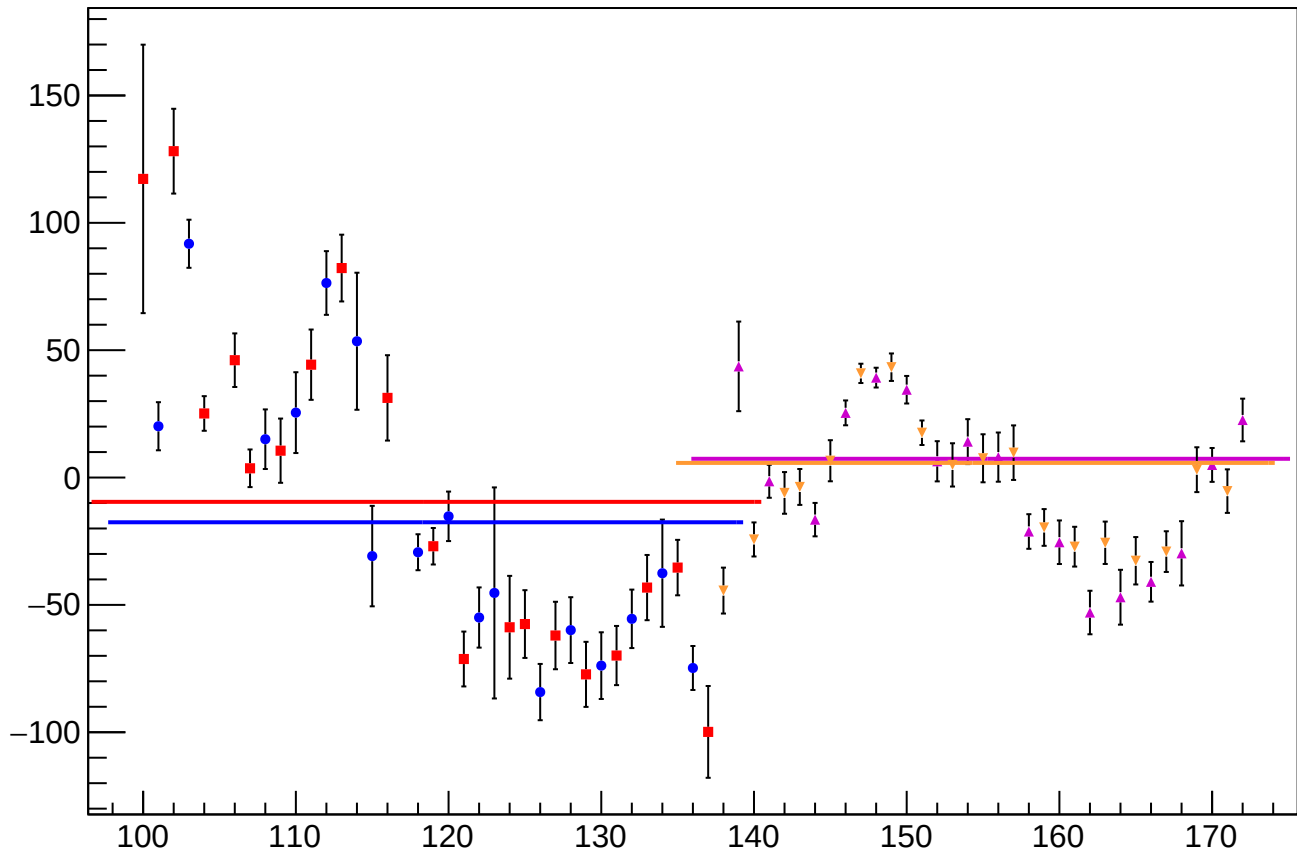
Left In: -444.406+/-2.429 χ^2/NDF : 702.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -441.953+/-1.712 χ^2/NDF : 1447.8/34

- 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: 5.741 ± 1.644 χ^2/NDF : 278.0/17

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

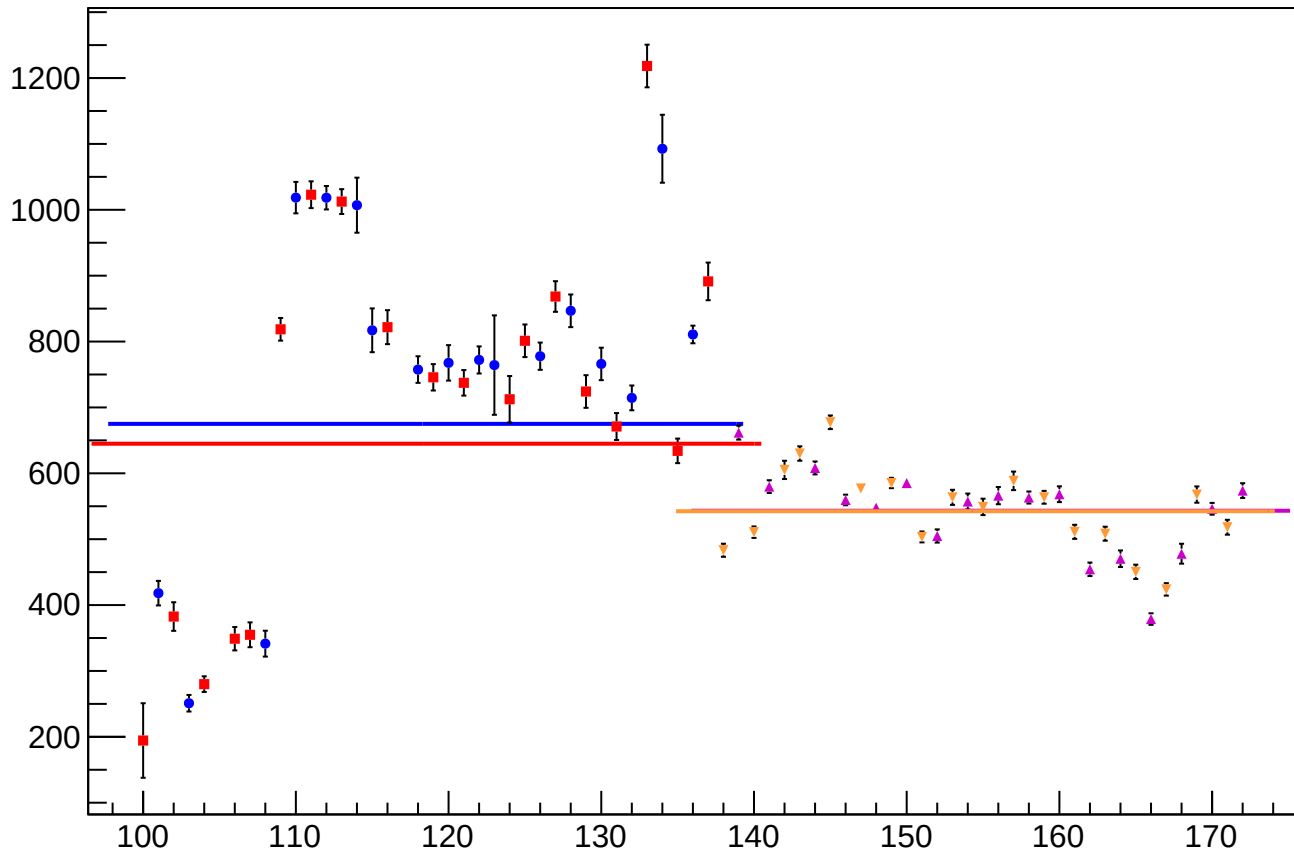
Left In: 7.359 ± 1.691 χ^2/NDF : 284.4/16

+ sign -0.169 ± 1.420 χ^2/NDF : 692.7/34

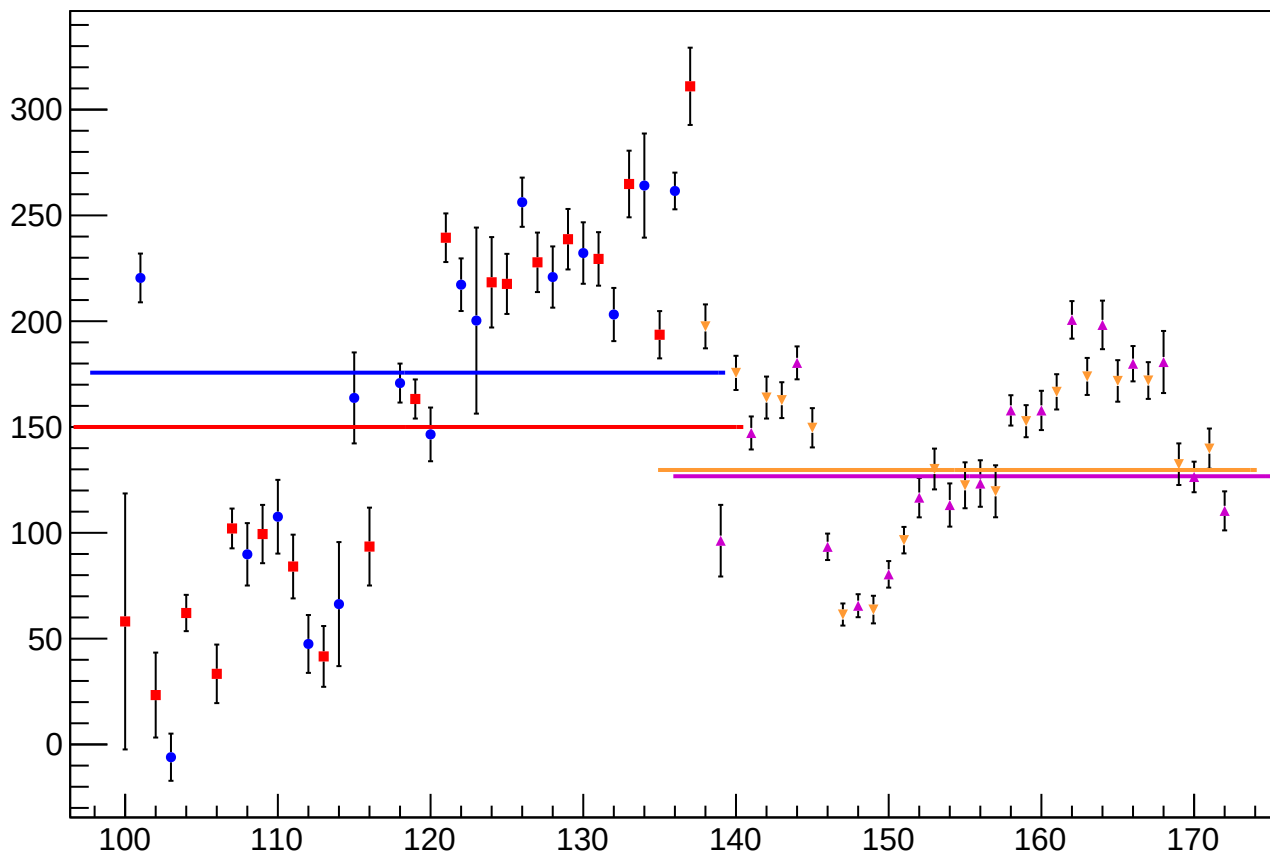
All: 1.095 ± 1.004 χ^2/NDF : 1378.5/70

- sign 2.357 ± 1.419 χ^2/NDF : 684.2/35

reg_asym_atr2_diff_bpm4eX_slope vs Slug



reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 129.698 $\pm$ 1.955 χ^2 /NDF: 506.6/17

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

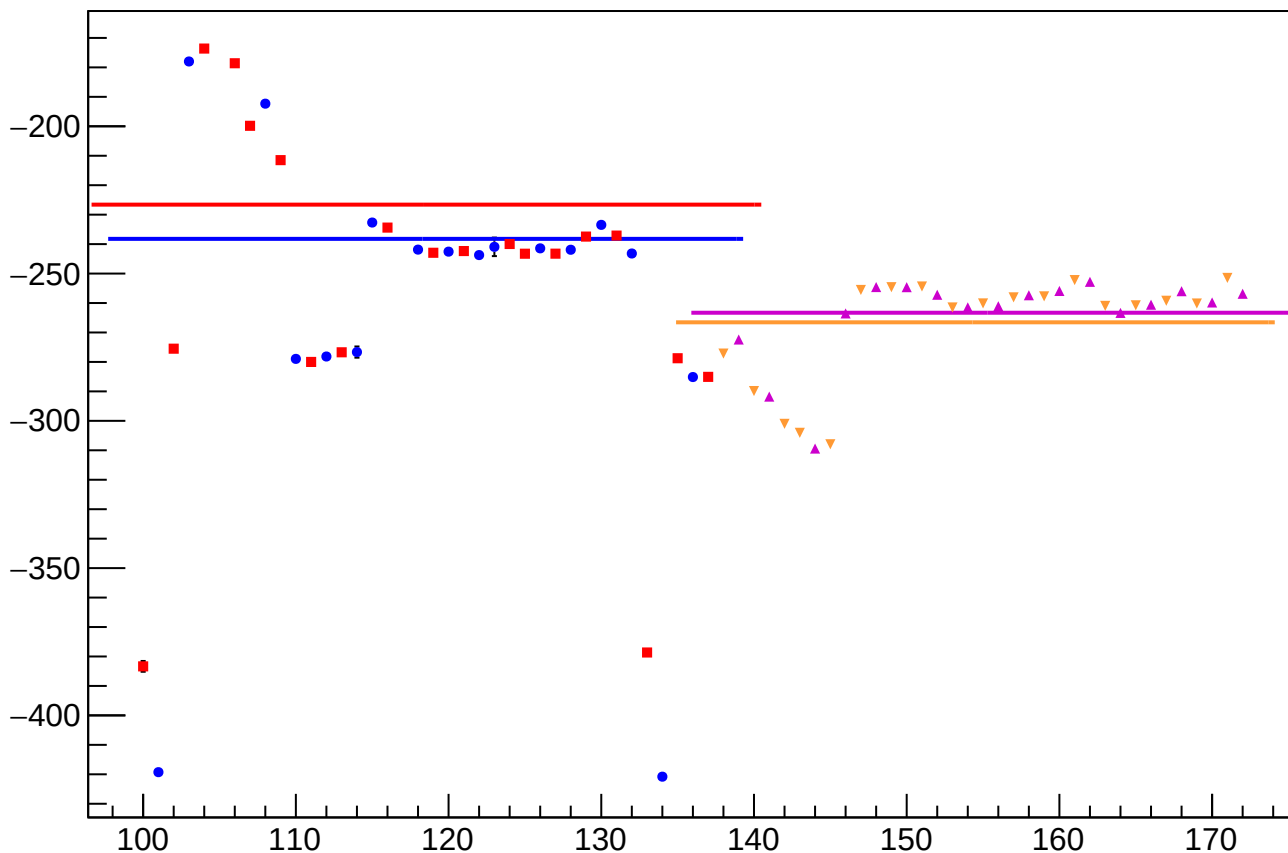
Left In: 126.739 $\pm$ 1.992 χ^2 /NDF: 466.0/16

+ sign 141.977 $\pm$ 1.673 χ^2 /NDF: 1292.3/34

All: 137.834 $\pm$ 1.181 χ^2 /NDF: 2505.2/70

- sign 133.726 $\pm$ 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: -266.551 ± 0.095 χ^2/NDF : 34123.0/17

Right Out: -226.597 ± 0.151 χ^2/NDF : 102562.3/18

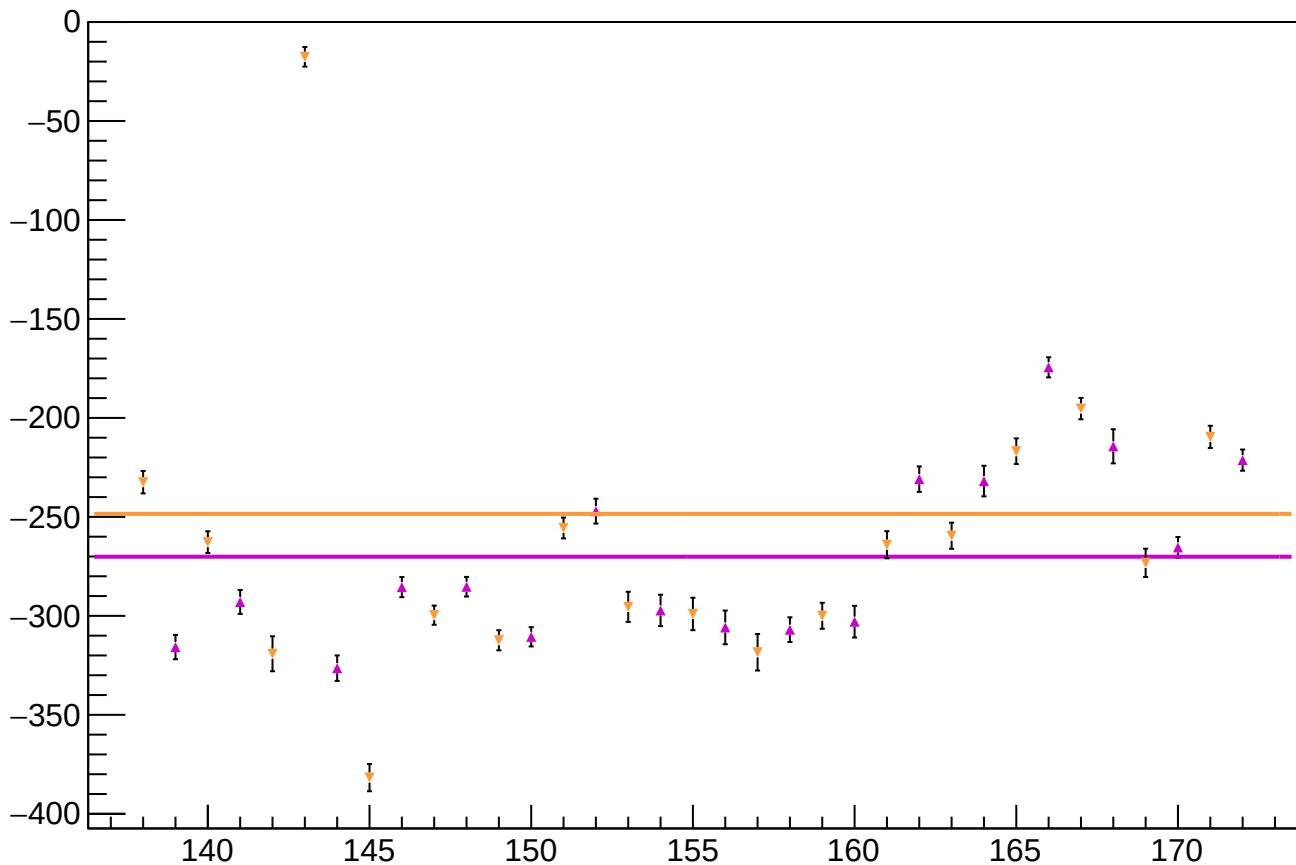
Left In: -263.299 ± 0.094 χ^2/NDF : 20988.8/16

+ sign -259.178 ± 0.082 χ^2/NDF : 224310.6/34

All: -256.027 ± 0.057 χ^2/NDF : 393154.2/70

- 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: -248.490+/-1.447 χ^2/NDF : 3287.3/17

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

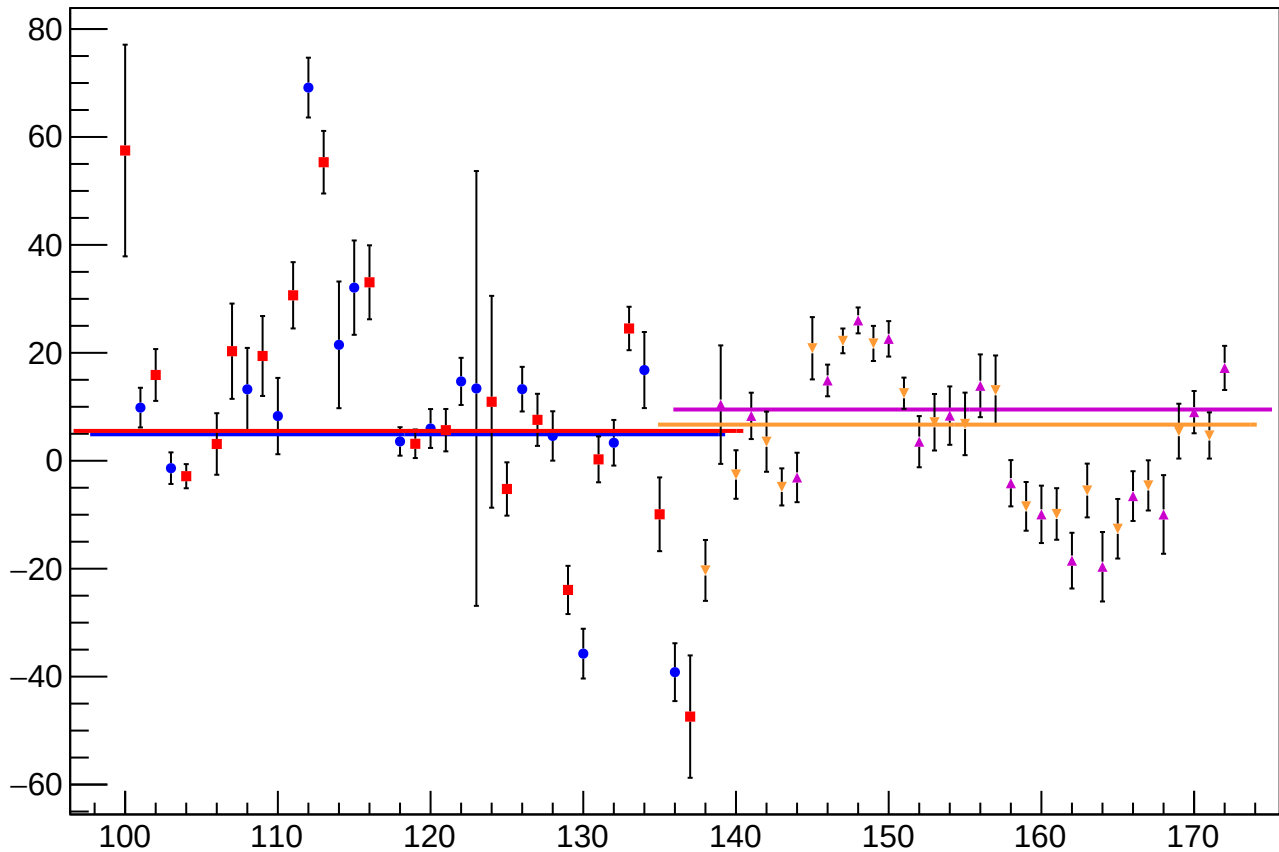
Left In: -270.121+/-1.475 χ^2/NDF : 868.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -259.105+/-1.033 χ^2/NDF : 4265.6/34

- 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 $\chi^2/\text{NDF}: 311.7/16$

Left Out: 6.698 ± 0.987 $\chi^2/\text{NDF}: 164.5/17$

Right Out: 5.530 ± 1.069 $\chi^2/\text{NDF}: 238.9/18$

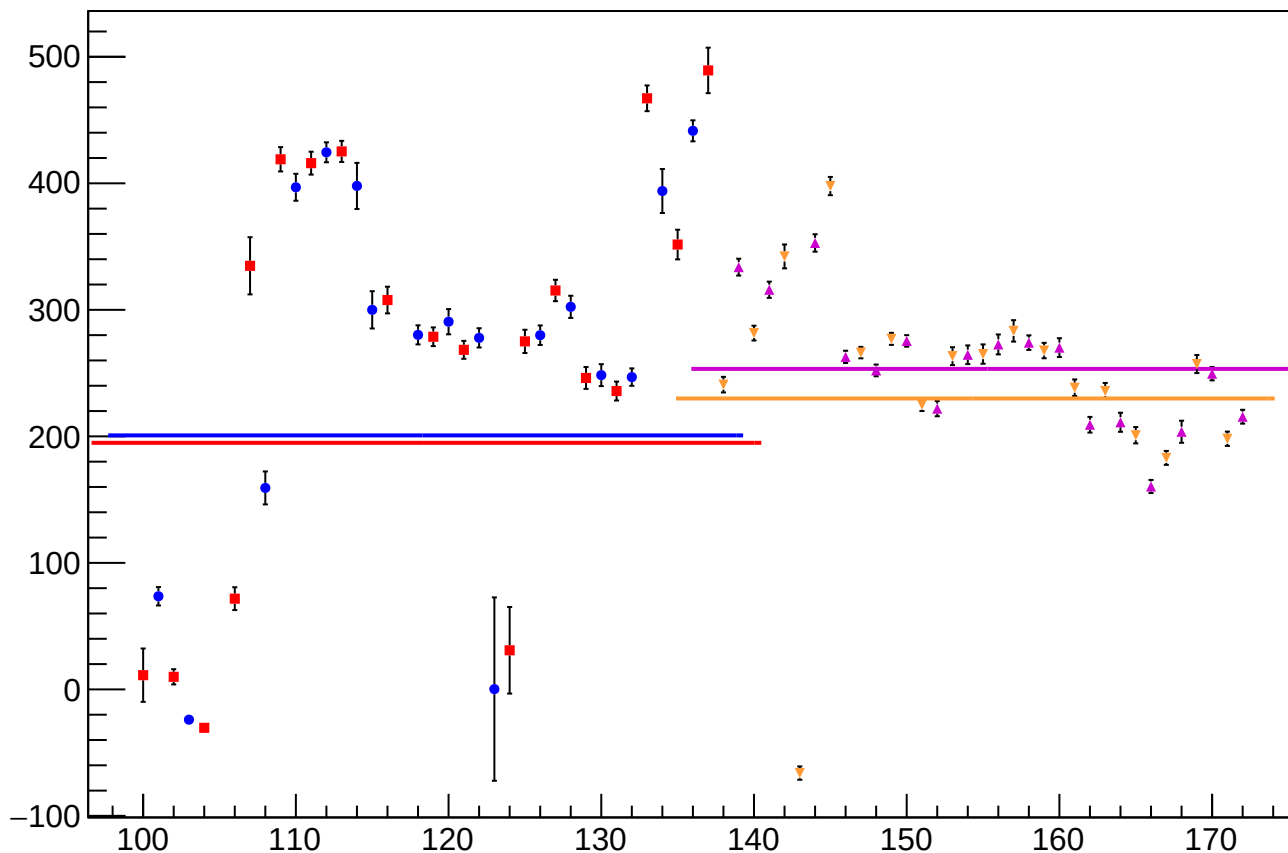
Left In: 9.495 ± 1.030 $\chi^2/\text{NDF}: 172.6/16$

+ sign 5.903 ± 0.736 $\chi^2/\text{NDF}: 477.6/34$

All: 6.738 ± 0.522 $\chi^2/\text{NDF}: 898.8/70$

- sign 7.586 ± 0.742 $\chi^2/\text{NDF}: 418.6/35$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 229.950 $\pm$ 1.430 χ^2 /NDF:4334.8/17

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

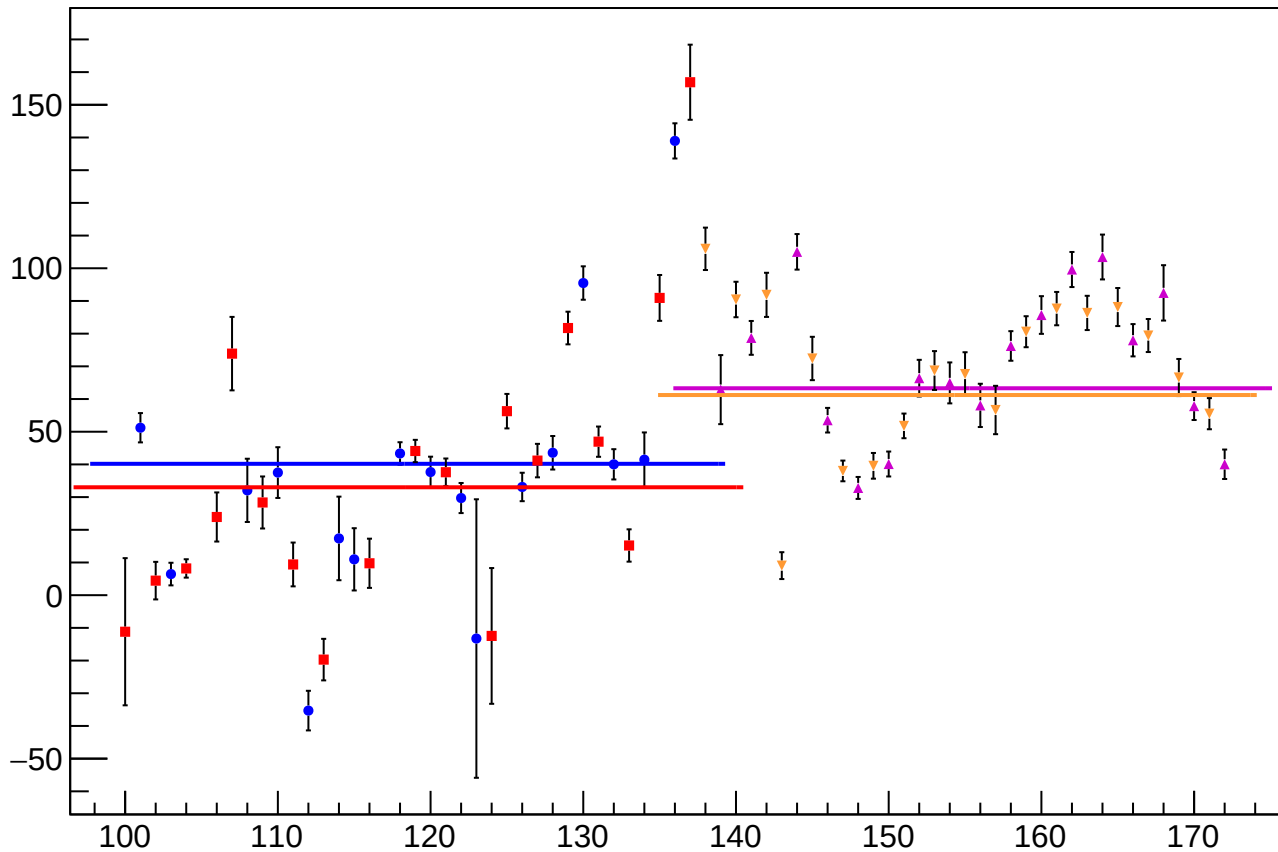
Left In: 253.346 $\pm$ 1.445 χ^2 /NDF:1015.3/16

+ sign 219.967 $\pm$ 1.160 χ^2 /NDF: 11210.2/34

All: 226.134 $\pm$ 0.819 χ^2 /NDF: 21119.1/70

- 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: 61.224 $\pm$ 1.171 χ^2/NDF : 457.9/17

Right Out: 33.006 $\pm$ 1.250 χ^2/NDF : 552.7/18

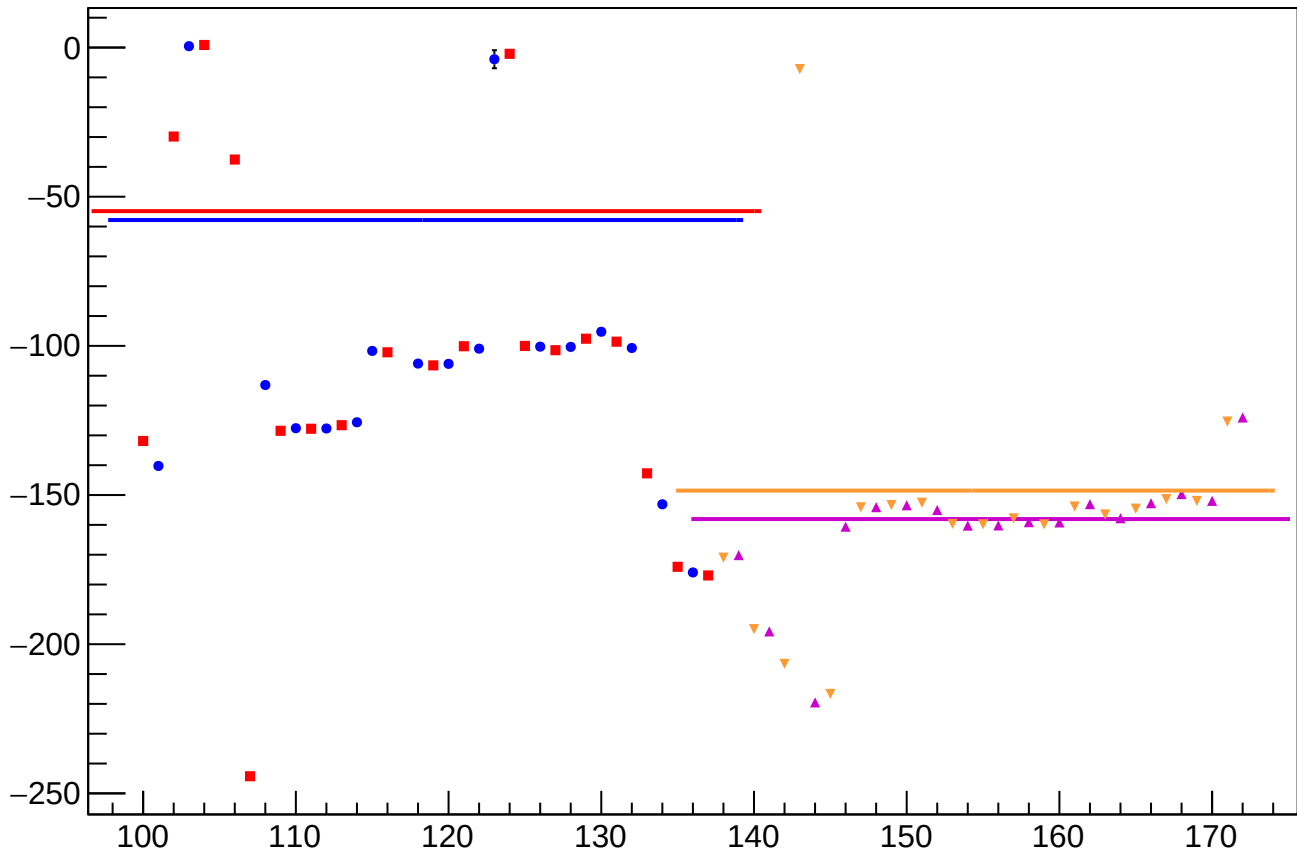
Left In: 63.294 $\pm$ 1.210 χ^2/NDF : 347.2/16

+ sign 51.661 $\pm$ 0.865 χ^2/NDF : 1339.1/34

All: 50.159 $\pm$ 0.613 χ^2/NDF : 2547.9/70

- 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: -148.508 ± 0.057 χ^2/NDF : 594399.1/17

Right Out: -54.833 ± 0.060 χ^2/NDF : 1000741.7/18

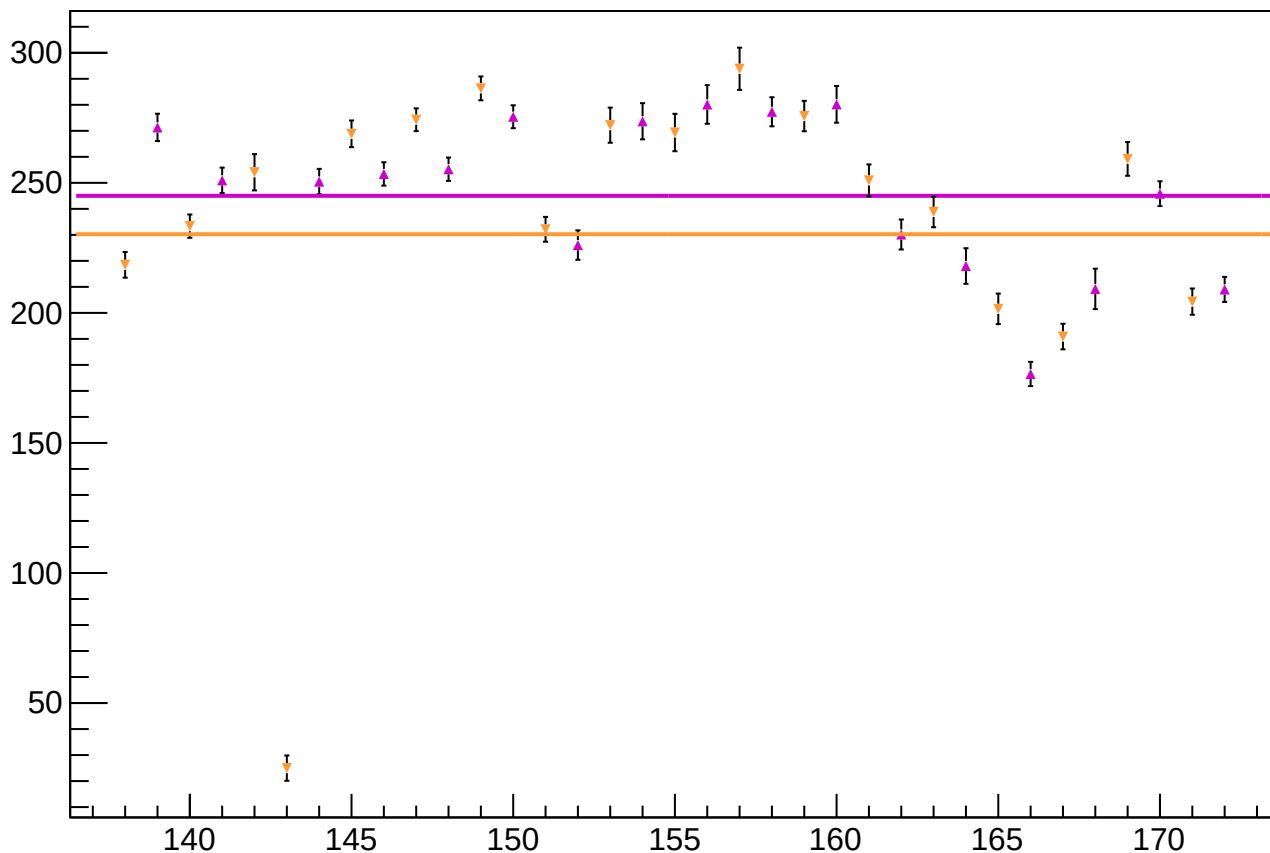
Left In: -158.049 ± 0.057 χ^2/NDF : 100043.0/16

+ sign -106.907 ± 0.042 χ^2/NDF : 2861674.5/34

All: -108.098 ± 0.029 χ^2/NDF : 5512650.0/70

- sign -109.265 ± 0.041 χ^2/NDF : 2649372.2/35

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 230.244 $\pm$ 1.281 χ^2 /NDF:2439.4/17

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

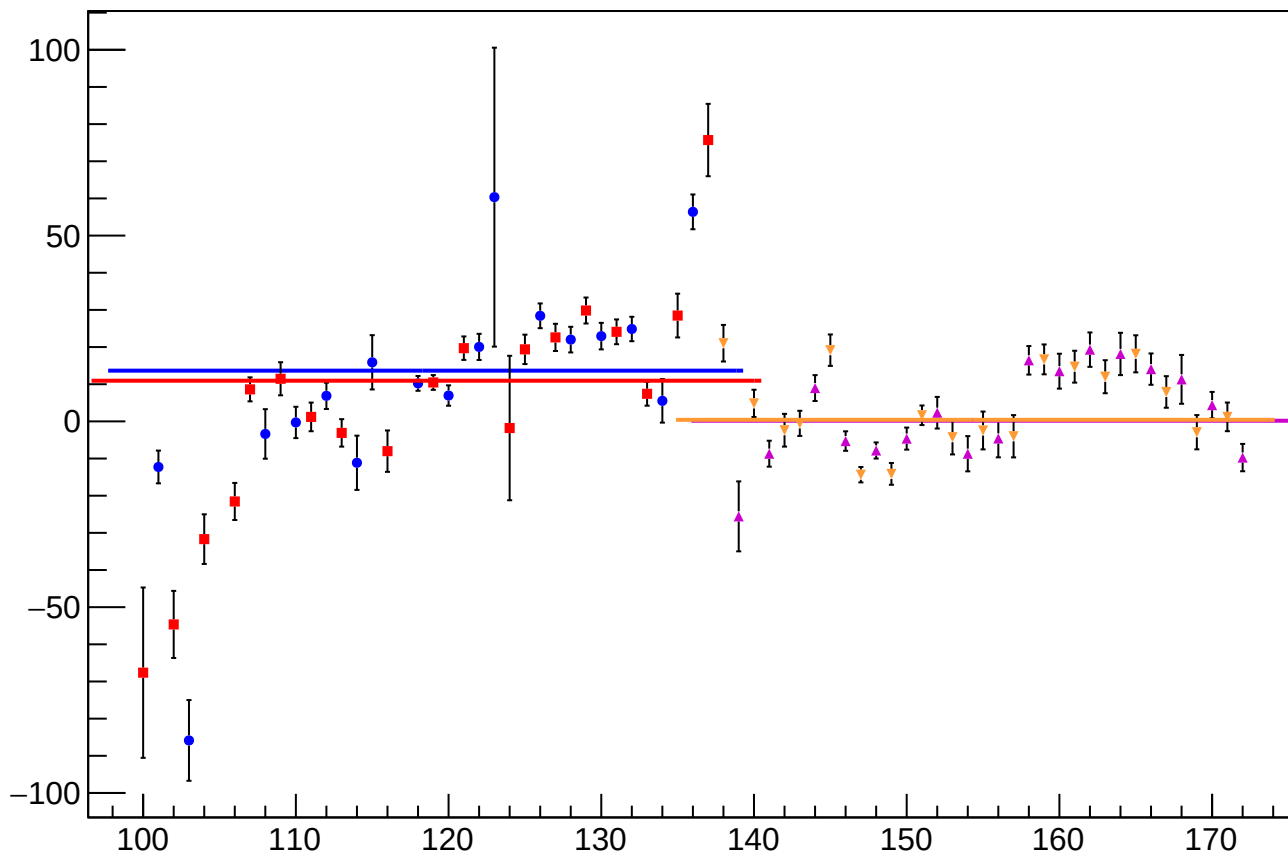
Left In: 245.018 $\pm$ 1.297 χ^2 /NDF:509.3/16

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

All: 237.537 $\pm$ 0.911 χ^2 /NDF: 3014.3/34

- sign 0.000 $\pm$ 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: 0.417 ± 0.879 χ^2/NDF : 167.0/17

Right Out: 10.944 ± 0.913 χ^2/NDF : 302.5/18

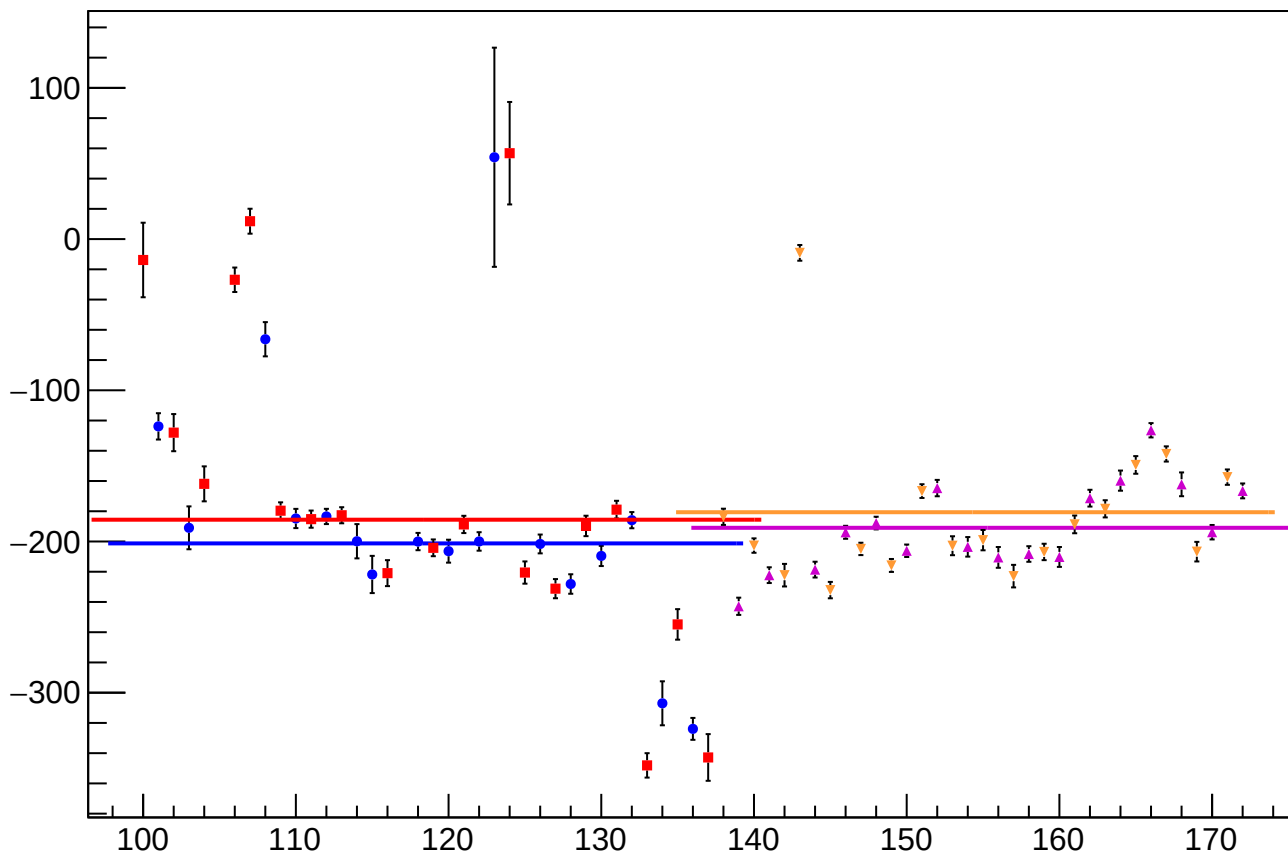
Left In: 0.175 ± 0.910 χ^2/NDF : 121.0/16

+ sign 6.616 ± 0.641 χ^2/NDF : 567.3/34

All: 6.081 ± 0.454 χ^2/NDF : 1062.0/70

- 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: -180.642 ± 1.268 χ^2/NDF : 1545.9/17

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

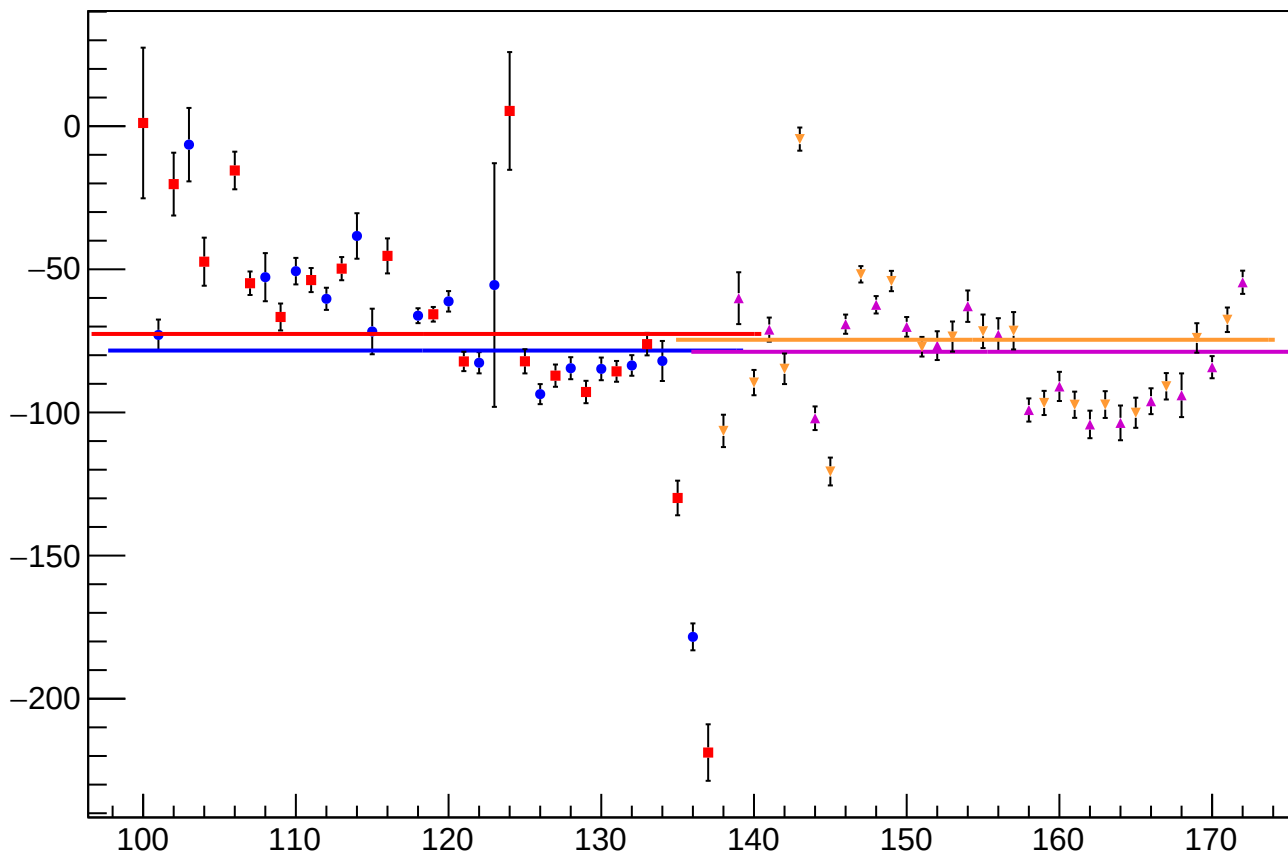
Left In: -190.953 ± 1.275 χ^2/NDF : 475.3/16

+ sign -187.509 ± 1.036 χ^2/NDF : 2257.4/34

All: -188.277 ± 0.727 χ^2/NDF : 4486.1/70

- 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: -74.612 ± 1.042 χ^2/NDF : 648.7/17

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

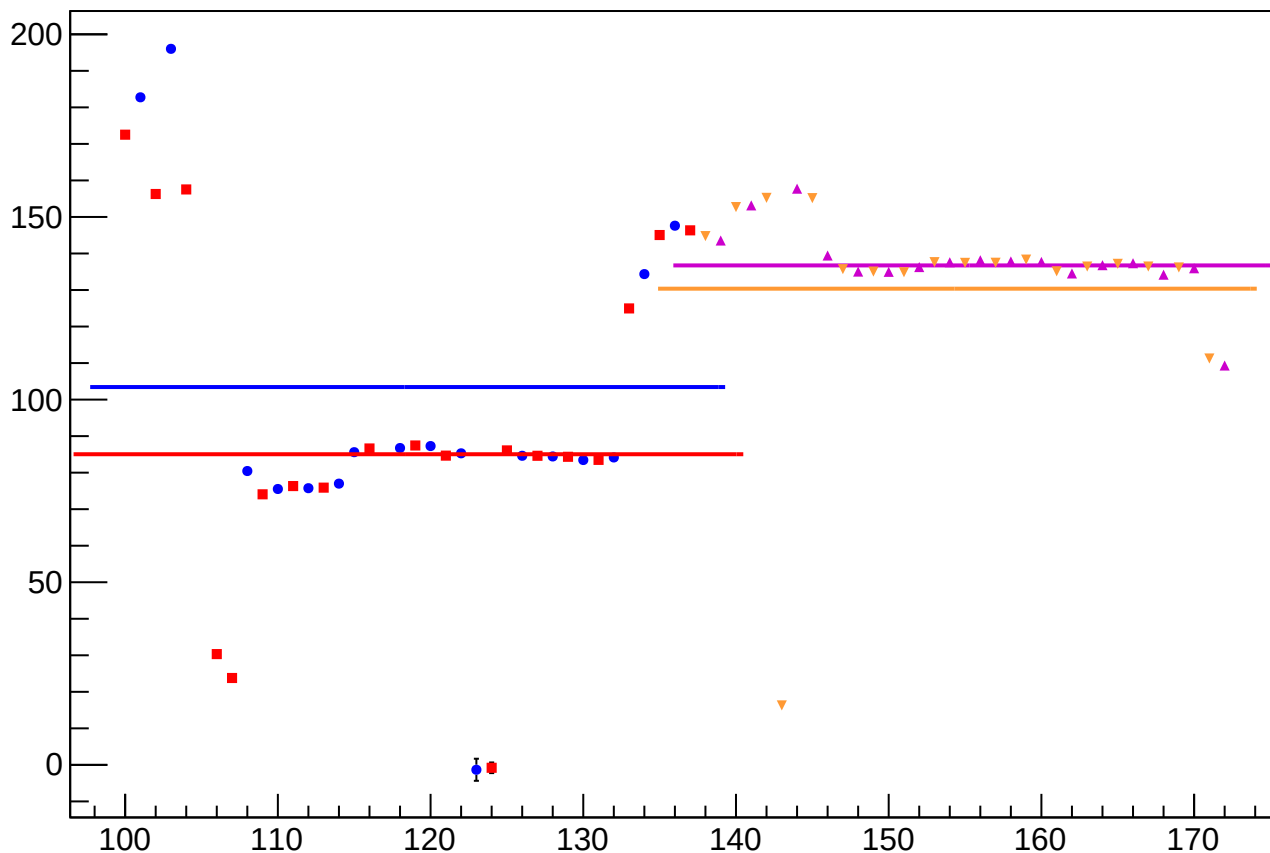
Left In: -78.812 ± 1.069 χ^2/NDF : 224.7/16

+ sign -76.424 ± 0.750 χ^2/NDF : 1306.3/34

All: -76.034 ± 0.530 χ^2/NDF : 2154.7/70

- 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: 130.365 ± 0.050 $\chi^2/\text{NDF}: 358608.3/17$

Right Out: 85.043 ± 0.064 $\chi^2/\text{NDF}: 422343.0/18$

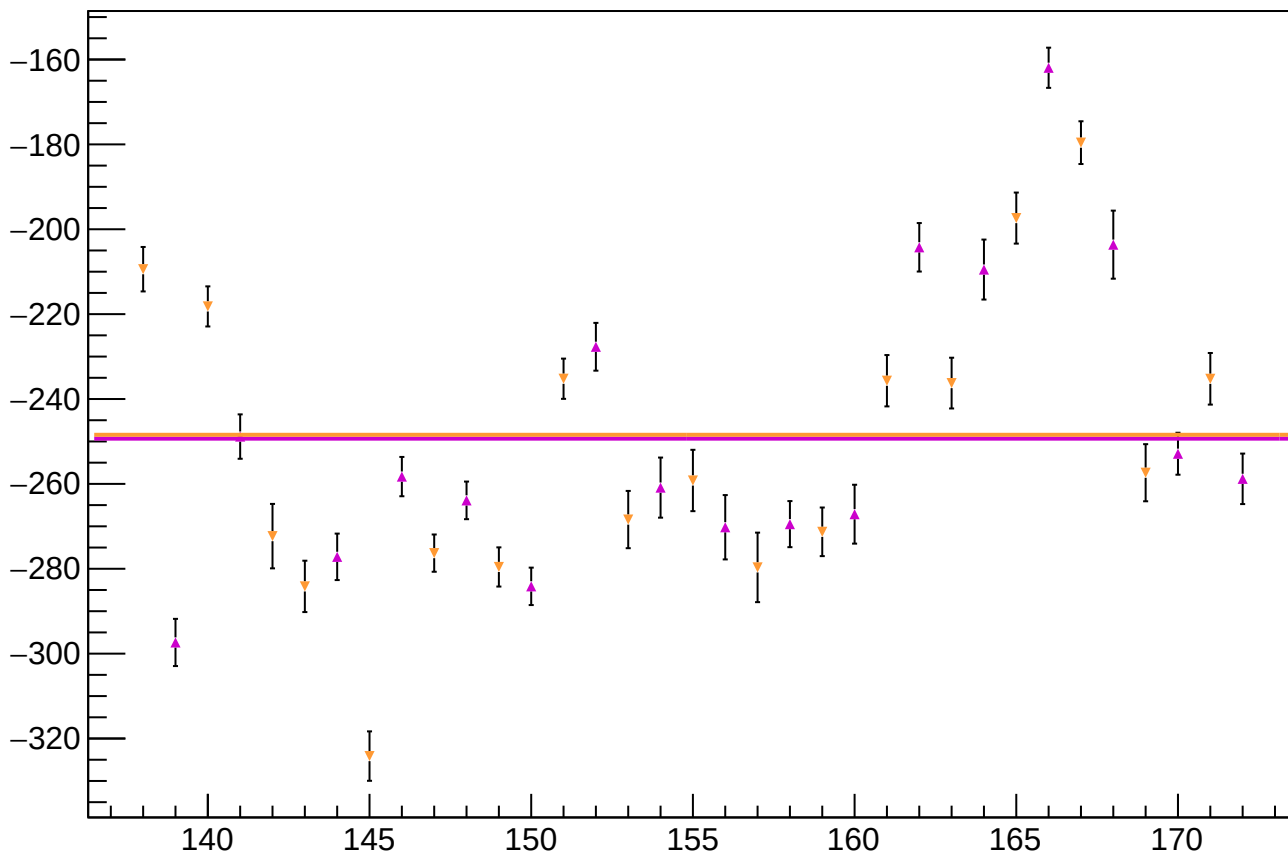
Left In: 136.734 ± 0.050 $\chi^2/\text{NDF}: 41085.4/16$

+ sign 121.317 ± 0.041 $\chi^2/\text{NDF}: 727237.1/34$

All: 119.012 ± 0.028 $\chi^2/\text{NDF}: 1601810.1/70$

- 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: -248.429+/-1.340 χ^2/NDF : 719.2/17

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

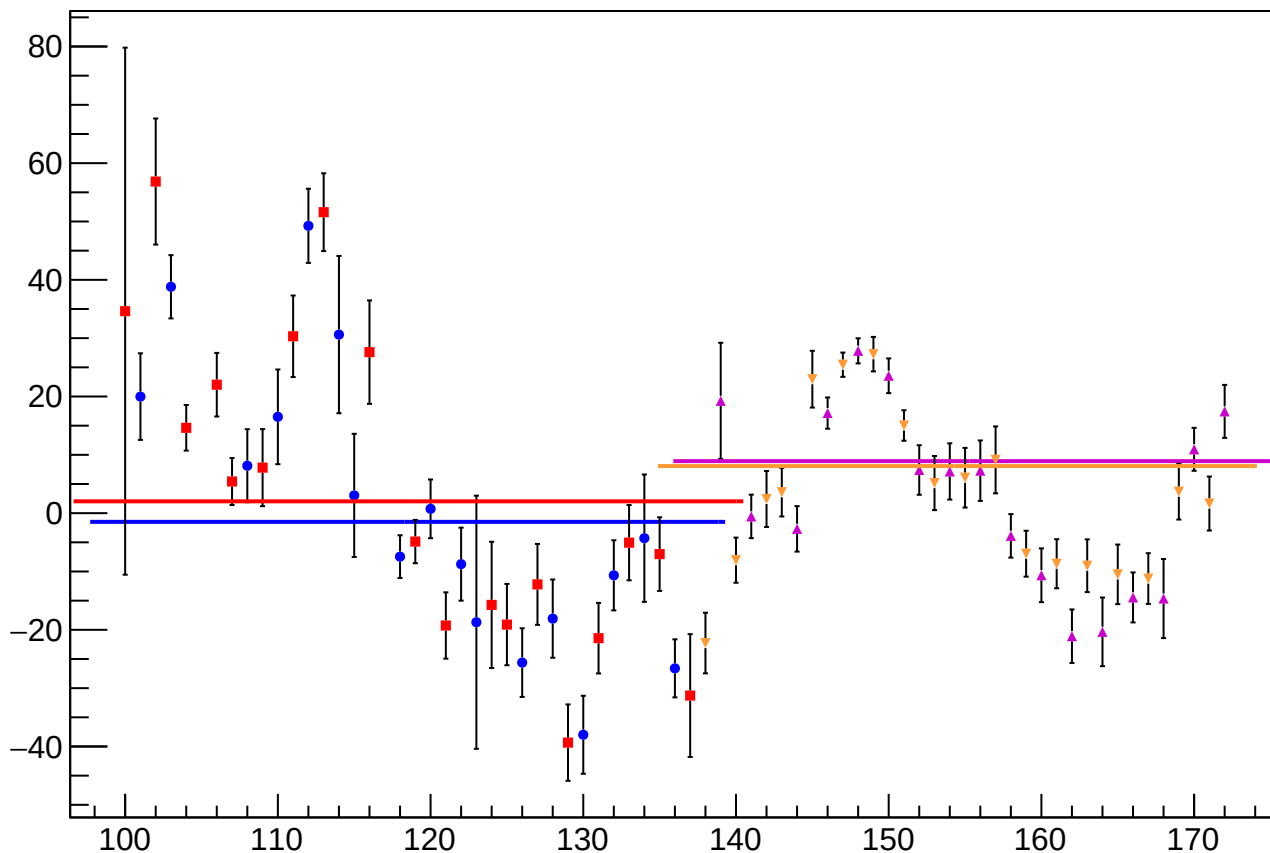
Left In: -249.339+/-1.343 χ^2/NDF : 692.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -248.883+/-0.949 χ^2/NDF : 1412.4/34

- 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: 8.071 ± 0.911 χ^2/NDF : 263.2/17

Right Out: 2.028 ± 1.400 χ^2/NDF : 233.3/18

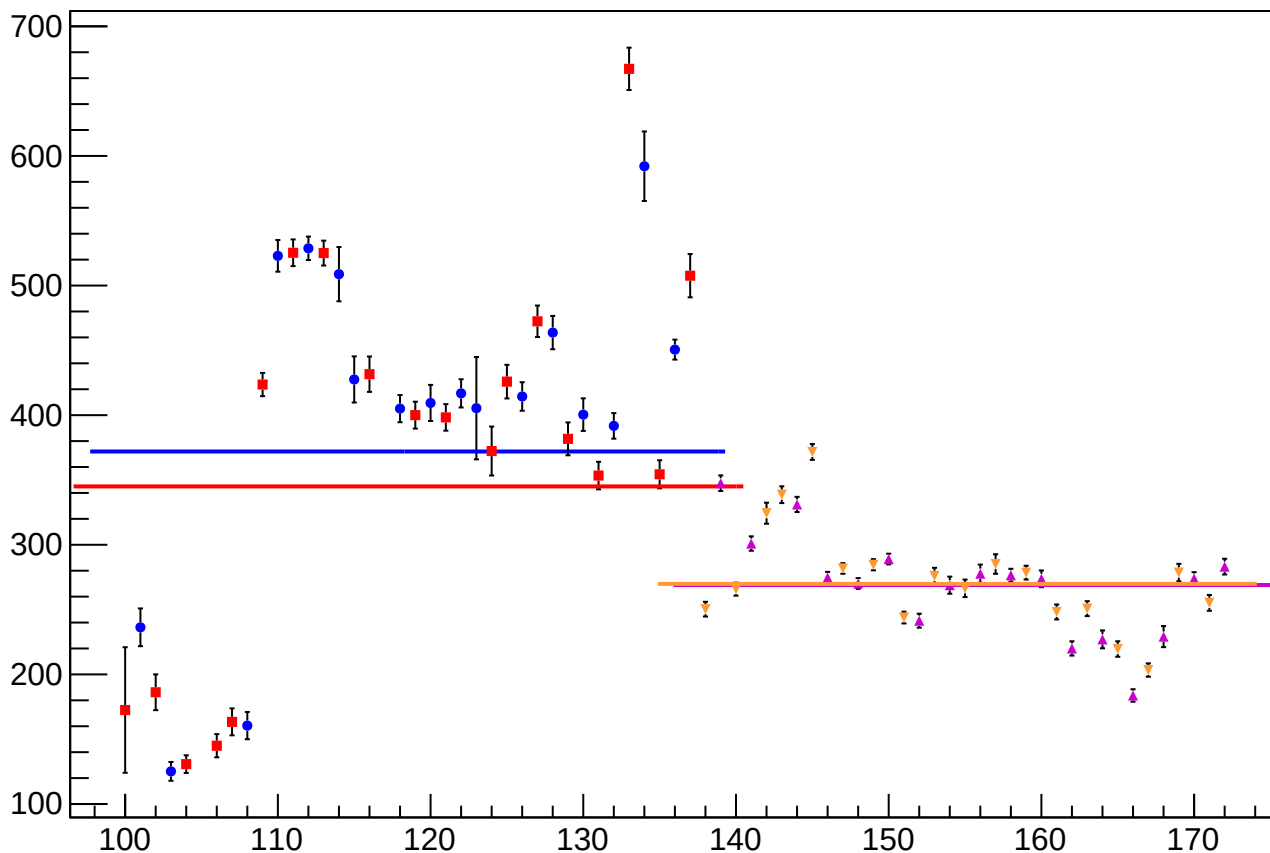
Left In: 8.918 ± 0.934 χ^2/NDF : 270.7/16

+ sign 5.584 ± 0.783 χ^2/NDF : 517.8/34

All: 6.194 ± 0.552 χ^2/NDF : 1039.8/70

- sign 6.794 ± 0.777 χ^2/NDF : 520.8/35

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 269.826 $\pm$ 1.320 χ^2 /NDF: 779.1/17

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

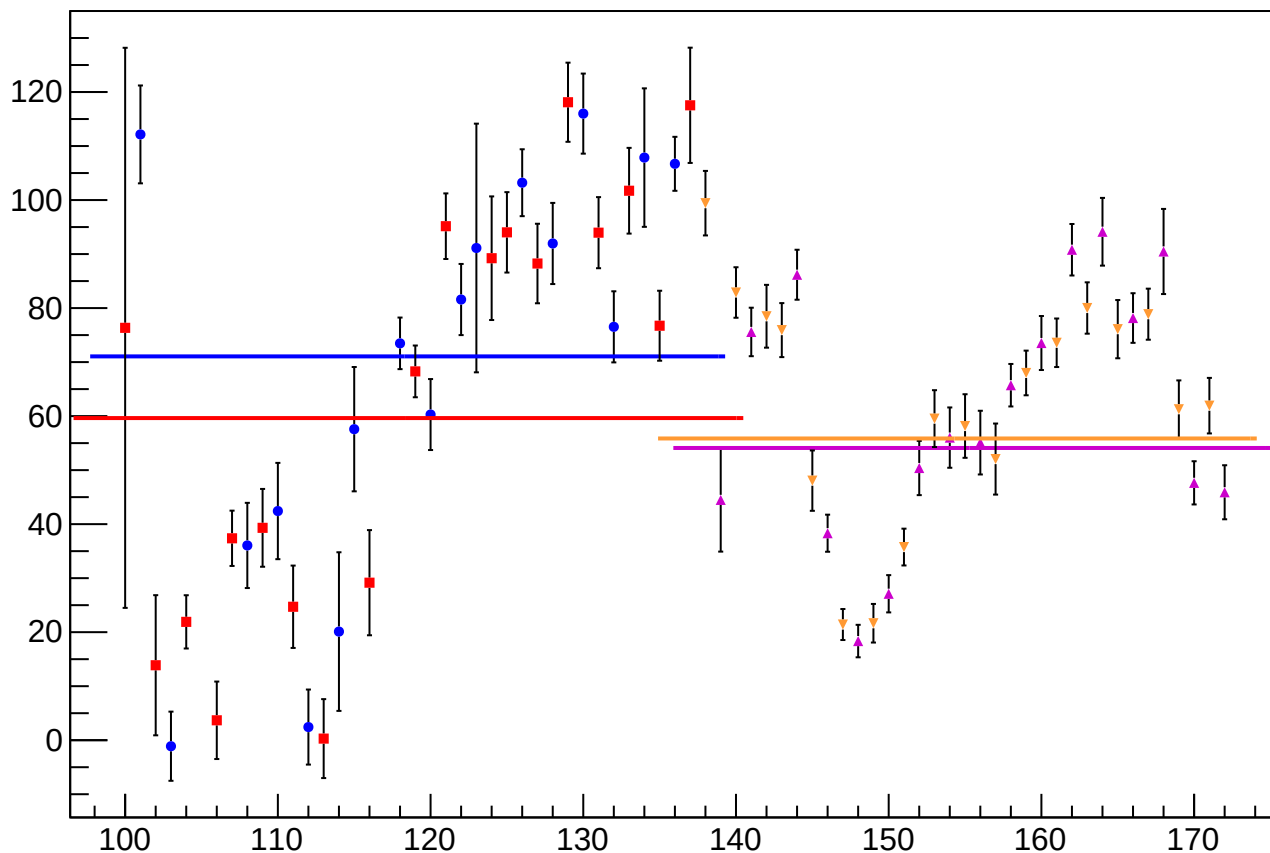
Left In: 268.974 $\pm$ 1.315 χ^2 /NDF: 830.4/16

+ sign 288.653 $\pm$ 1.192 χ^2 /NDF: 4314.9/34

All: 286.702 $\pm$ 0.835 χ^2 /NDF: 9263.5/70

- sign 284.826 $\pm$ 1.170 χ^2 /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: 55.860 $\pm$ 1.082 χ^2 /NDF: 481.5/17

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

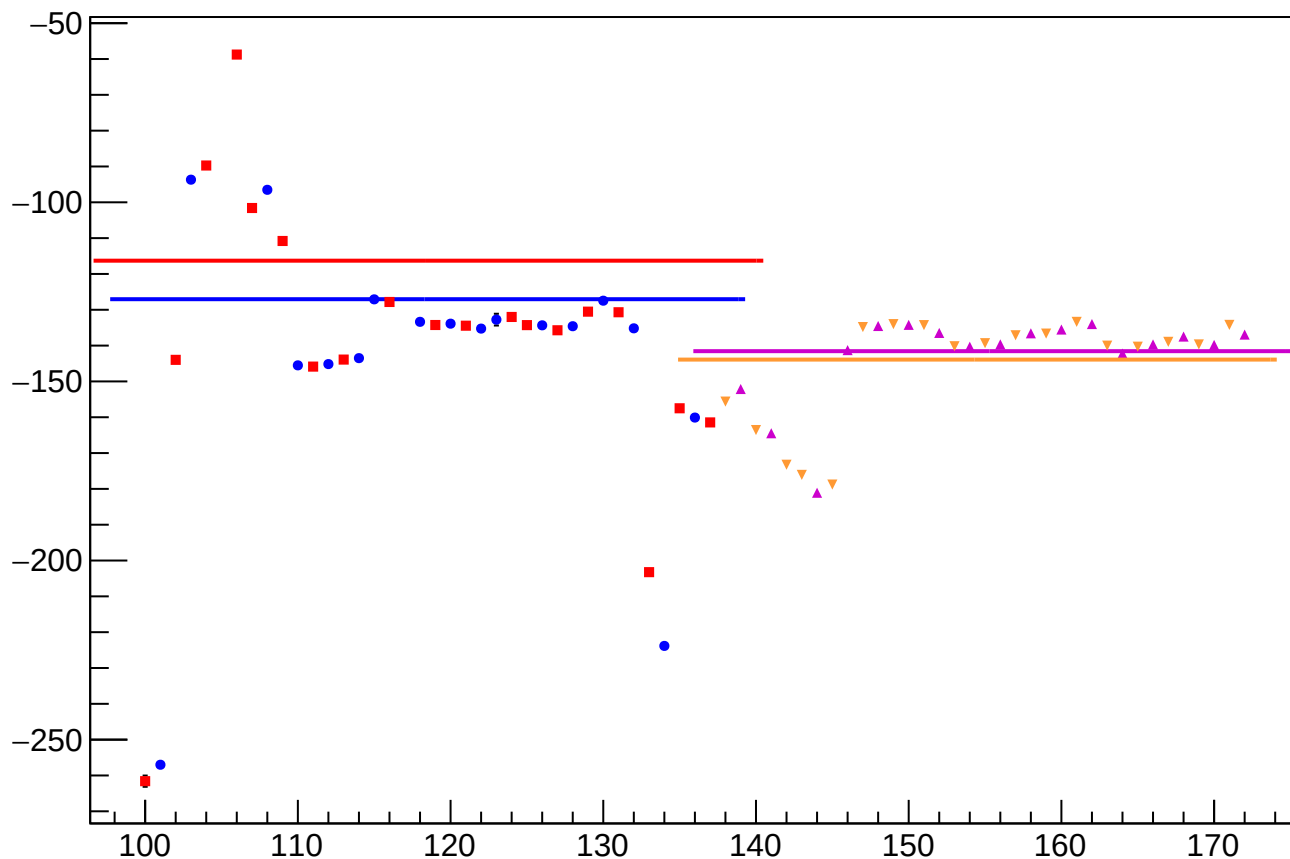
Left In: 54.101 $\pm$ 1.099 χ^2 /NDF: 474.2/16

+ sign 60.016 $\pm$ 0.922 χ^2 /NDF: 961.6/34

All: 57.898 $\pm$ 0.648 χ^2 /NDF: 1945.8/70

- 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: -143.907 ± 0.053 $\chi^2/\text{NDF}: 71012.2/17$

Right Out: -116.295 ± 0.083 $\chi^2/\text{NDF}: 167109.1/18$

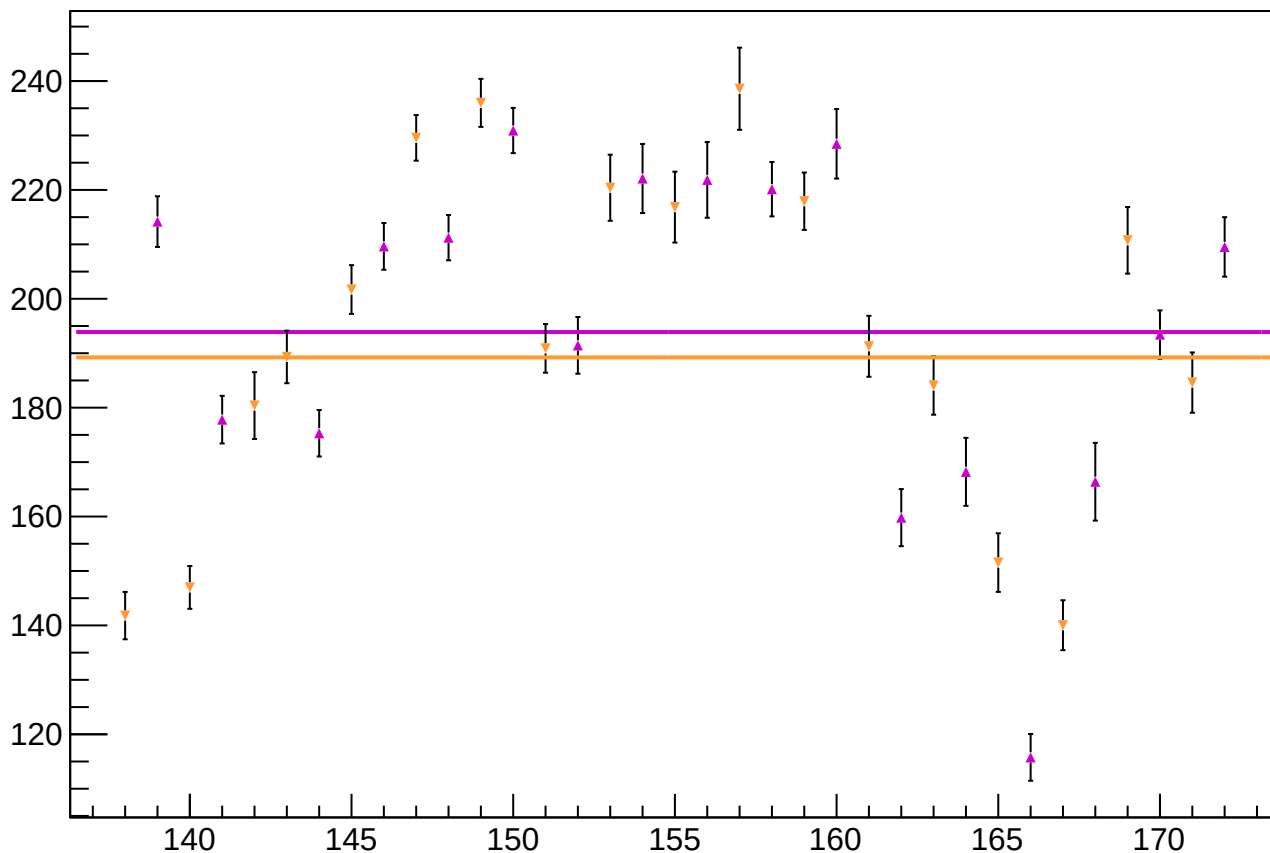
Left In: -141.555 ± 0.052 $\chi^2/\text{NDF}: 44062.0/16$

+ sign -139.597 ± 0.045 $\chi^2/\text{NDF}: 264271.1/34$

All: -136.939 ± 0.032 $\chi^2/\text{NDF}: 548642.3/70$

- 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: 189.237+/-1.189 χ^2/NDF : 744.2/17

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

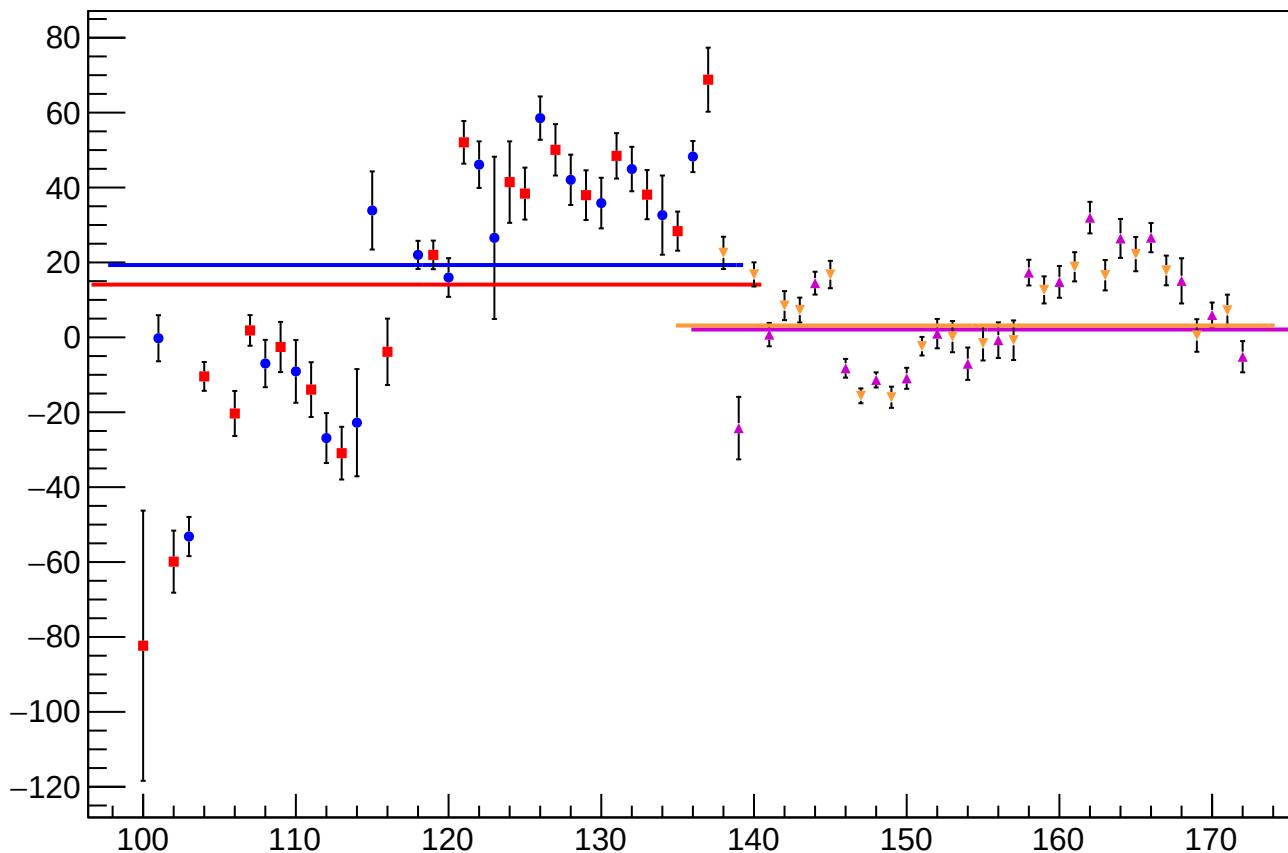
Left In: 193.893+/-1.204 χ^2/NDF : 666.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 191.535+/-0.846 χ^2/NDF : 1418.5/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 3.170 ± 0.820 χ^2/NDF : 264.6/17

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

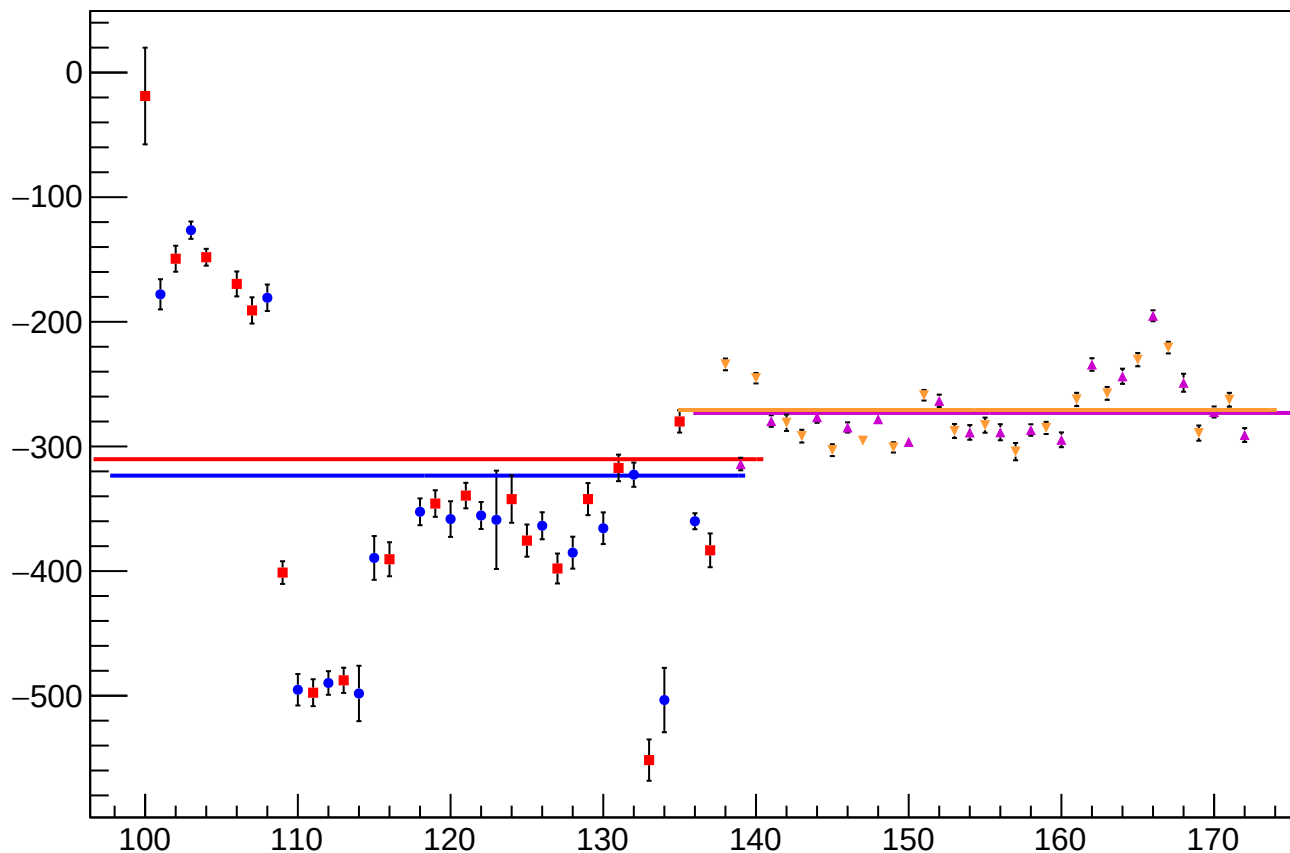
Left In: 2.091 ± 0.846 χ^2/NDF : 264.1/16

+ sign 6.880 ± 0.719 χ^2/NDF : 794.9/34

All: 6.112 ± 0.510 χ^2/NDF : 1552.6/70

- sign 5.336 ± 0.723 χ^2/NDF : 755.3/35

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -270.743 ± 1.179 $\chi^2/\text{NDF}: 498.8/17$

Right Out: -310.236 ± 2.523 $\chi^2/\text{NDF}: 2298.8/18$

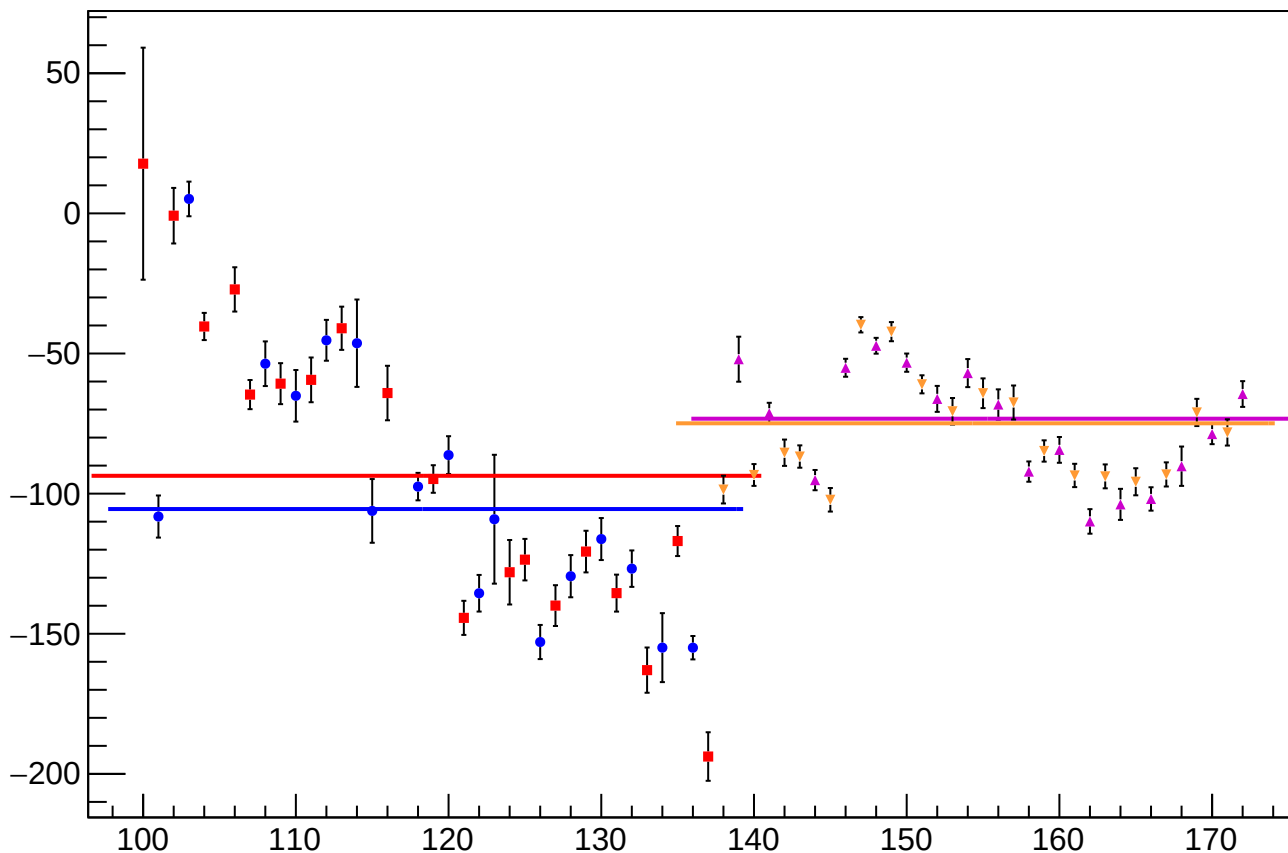
Left In: -273.116 ± 1.184 $\chi^2/\text{NDF}: 573.2/16$

+ sign -279.260 ± 1.079 $\chi^2/\text{NDF}: 2671.1/34$

All: -279.540 ± 0.761 $\chi^2/\text{NDF}: 5720.6/70$

- sign -279.816 ± 1.072 $\chi^2/\text{NDF}: 3049.4/35$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -74.907 ± 0.971 χ^2/NDF : 467.2/17

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

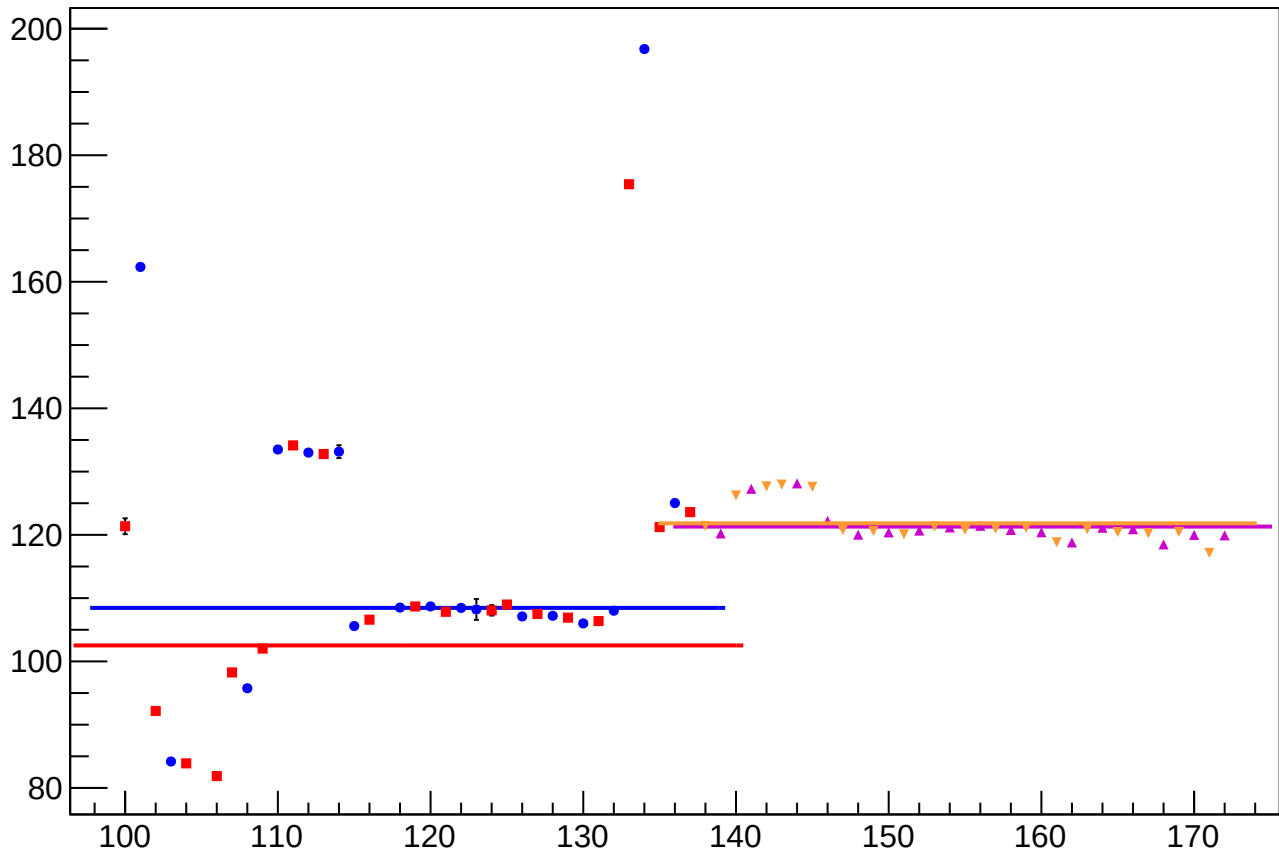
Left In: -73.263 ± 0.994 χ^2/NDF : 405.3/16

+ sign -82.350 ± 0.844 χ^2/NDF : 1446.1/34

All: -80.621 ± 0.598 χ^2/NDF : 2802.7/70

- sign -78.886 ± 0.846 χ^2/NDF : 1348.3/35

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 ± 0.085 $\chi^2/\text{NDF}: 73301.9/16$

Left Out: 121.825 ± 0.047 $\chi^2/\text{NDF}: 4085.7/17$

Right Out: 102.521 ± 0.080 $\chi^2/\text{NDF}: 52992.1/18$

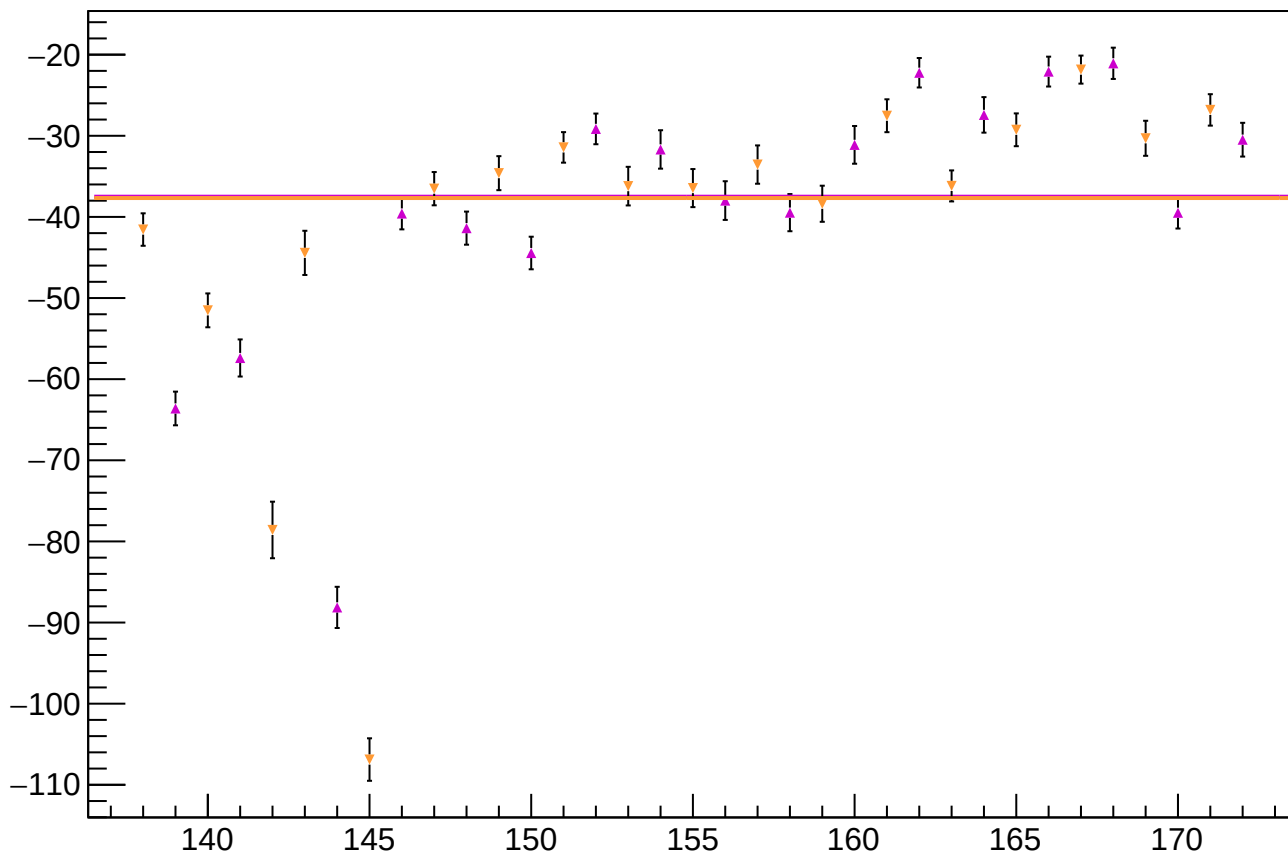
Left In: 121.308 ± 0.047 $\chi^2/\text{NDF}: 2748.4/16$

+ sign 118.704 ± 0.041 $\chi^2/\text{NDF}: 96338.1/34$

All: 117.571 ± 0.029 $\chi^2/\text{NDF}: 195007.4/70$

- sign 116.477 ± 0.040 $\chi^2/\text{NDF}: 97172.2/35$

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -37.673+/-0.506 χ^2/NDF :1077.3/17

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

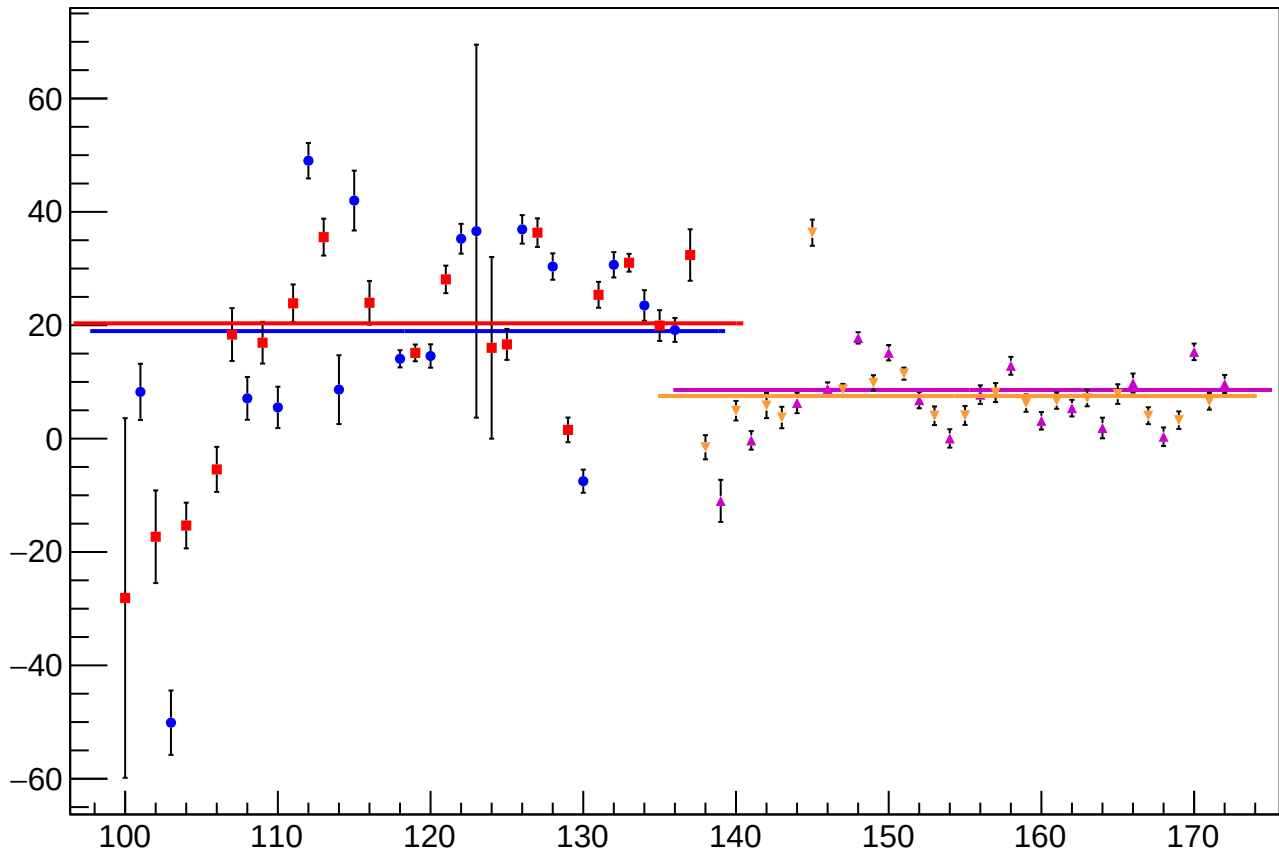
Left In: -37.509+/-0.506 χ^2/NDF :929.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -37.591+/-0.358 χ^2/NDF : 2006.7/34

- 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: 7.523 ± 0.357 χ^2/NDF : 221.9/17

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

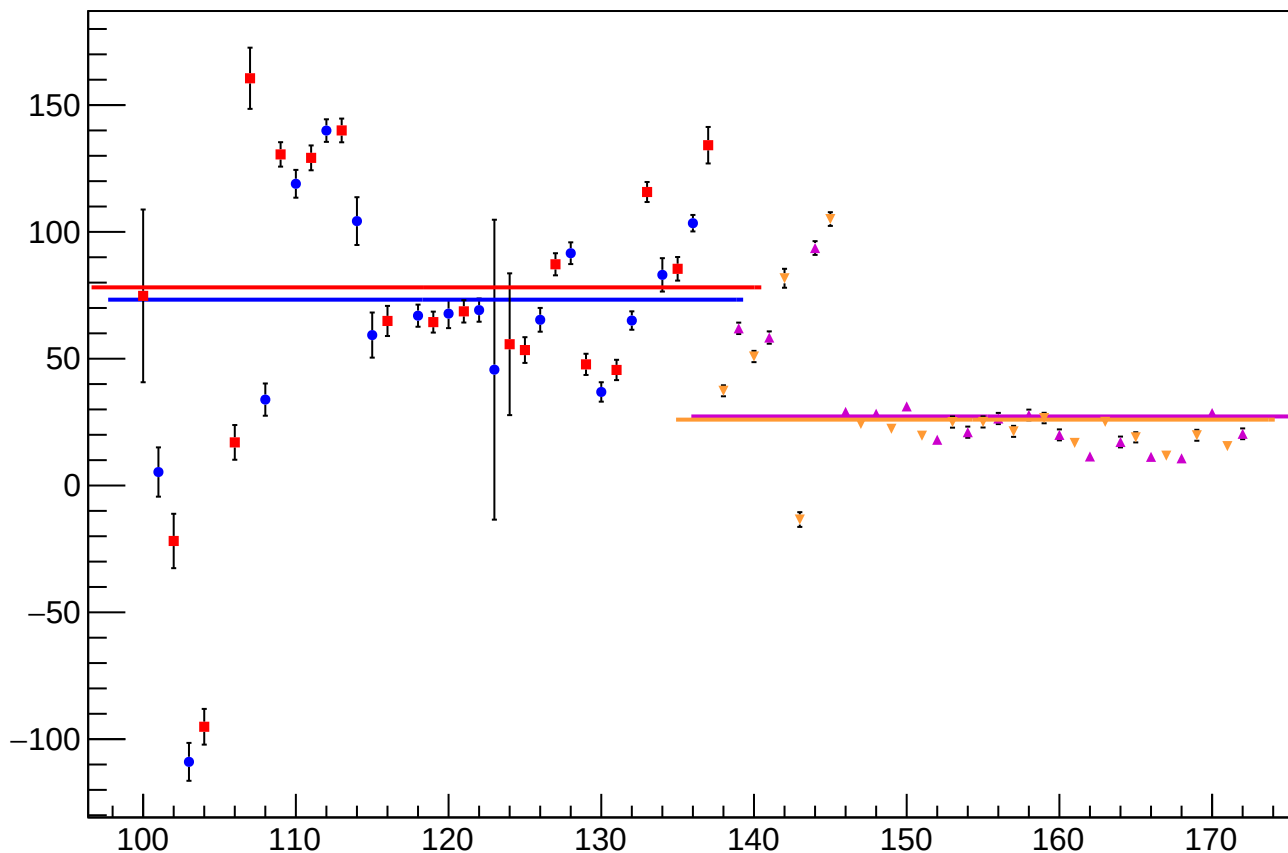
Left In: 8.582 ± 0.365 χ^2/NDF : 283.2/16

+ sign 10.159 ± 0.313 χ^2/NDF : 1076.8/34

All: 10.799 ± 0.223 χ^2/NDF : 1988.0/70

- sign 11.456 ± 0.318 χ^2/NDF : 902.7/35

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 ± 1.236 $\chi^2/\text{NDF}: 1198.6/16$

Left Out: 25.980 ± 0.497 $\chi^2/\text{NDF}: 1572.6/17$

Right Out: 78.130 ± 1.223 $\chi^2/\text{NDF}: 1543.3/18$

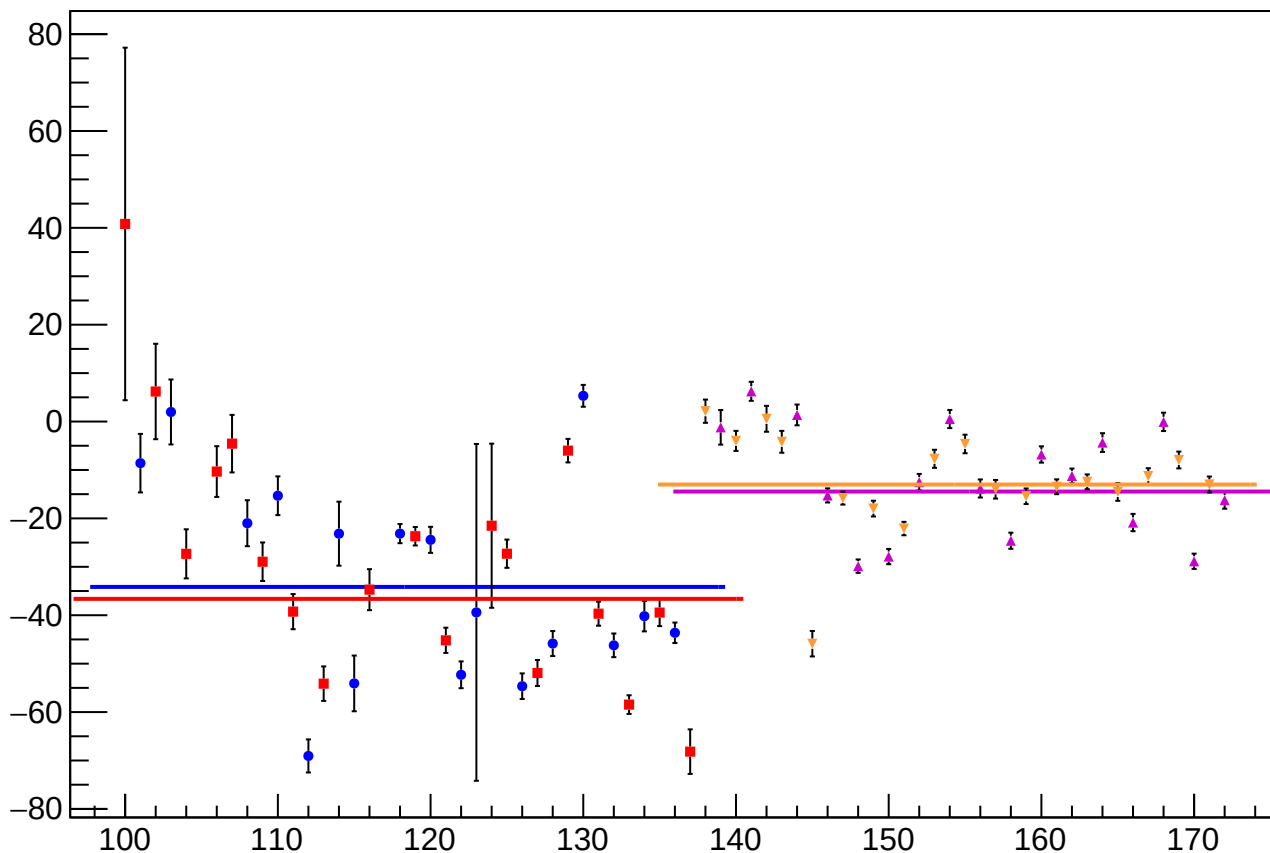
Left In: 27.234 ± 0.495 $\chi^2/\text{NDF}: 1310.1/16$

+ sign 32.560 ± 0.461 $\chi^2/\text{NDF}: 4031.0/34$

All: 33.489 ± 0.325 $\chi^2/\text{NDF}: 8381.3/70$

- sign 34.409 ± 0.459 $\chi^2/\text{NDF}: 4342.2/35$

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.009 ± 0.416 χ^2/NDF : 352.9/17

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

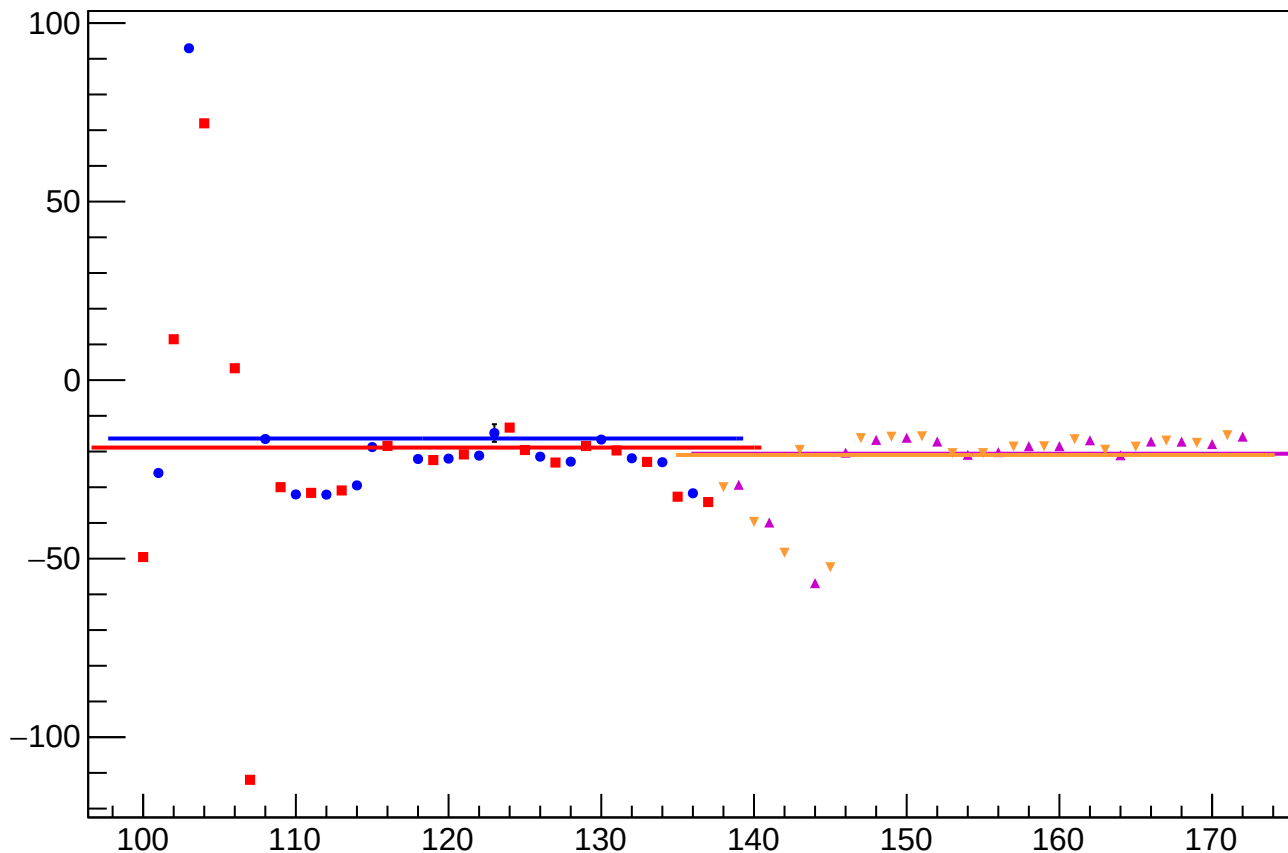
Left In: -14.460 ± 0.423 χ^2/NDF : 684.8/16

+ sign -18.029 ± 0.363 χ^2/NDF : 1684.9/34

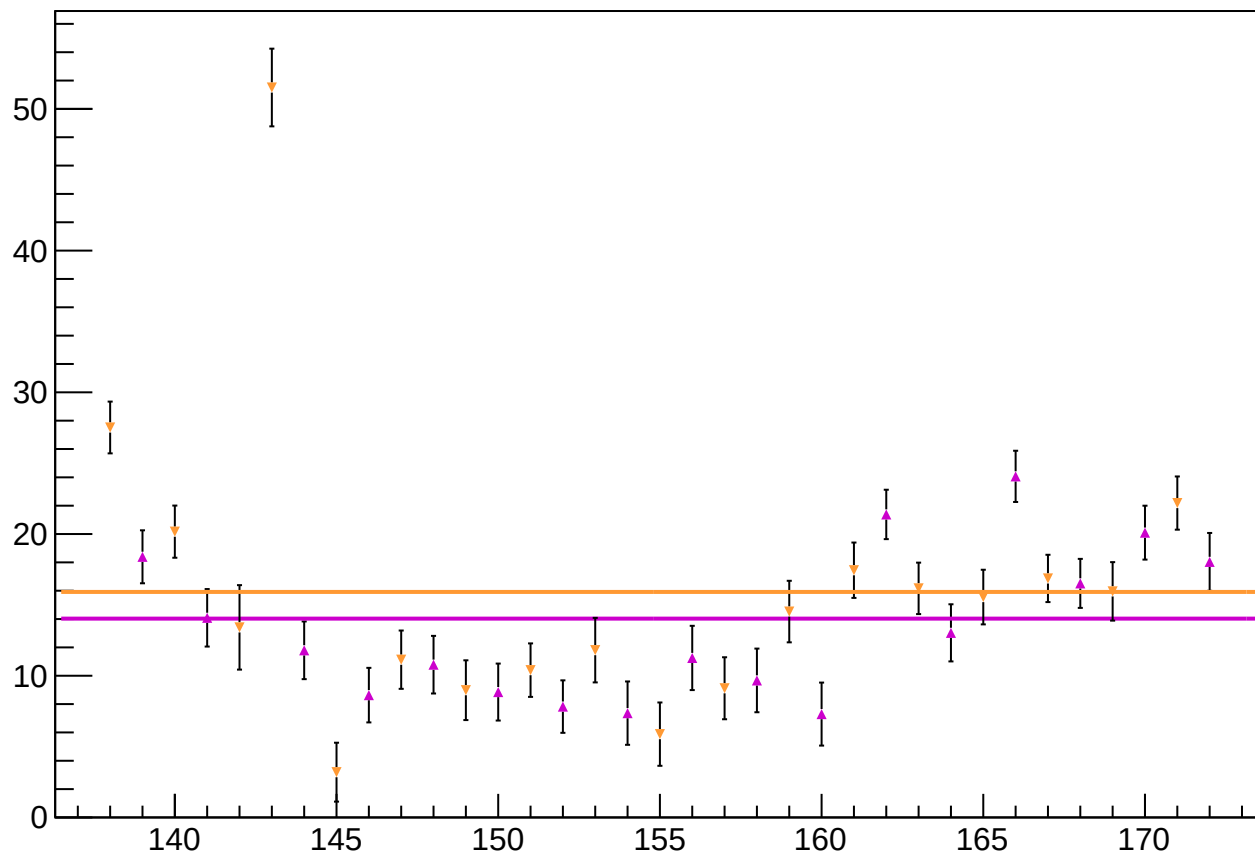
All: -18.985 ± 0.258 χ^2/NDF : 3612.6/70

- sign -19.961 ± 0.367 χ^2/NDF : 1913.6/35

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 15.914+/-0.480 χ^2/NDF :322.8/17

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

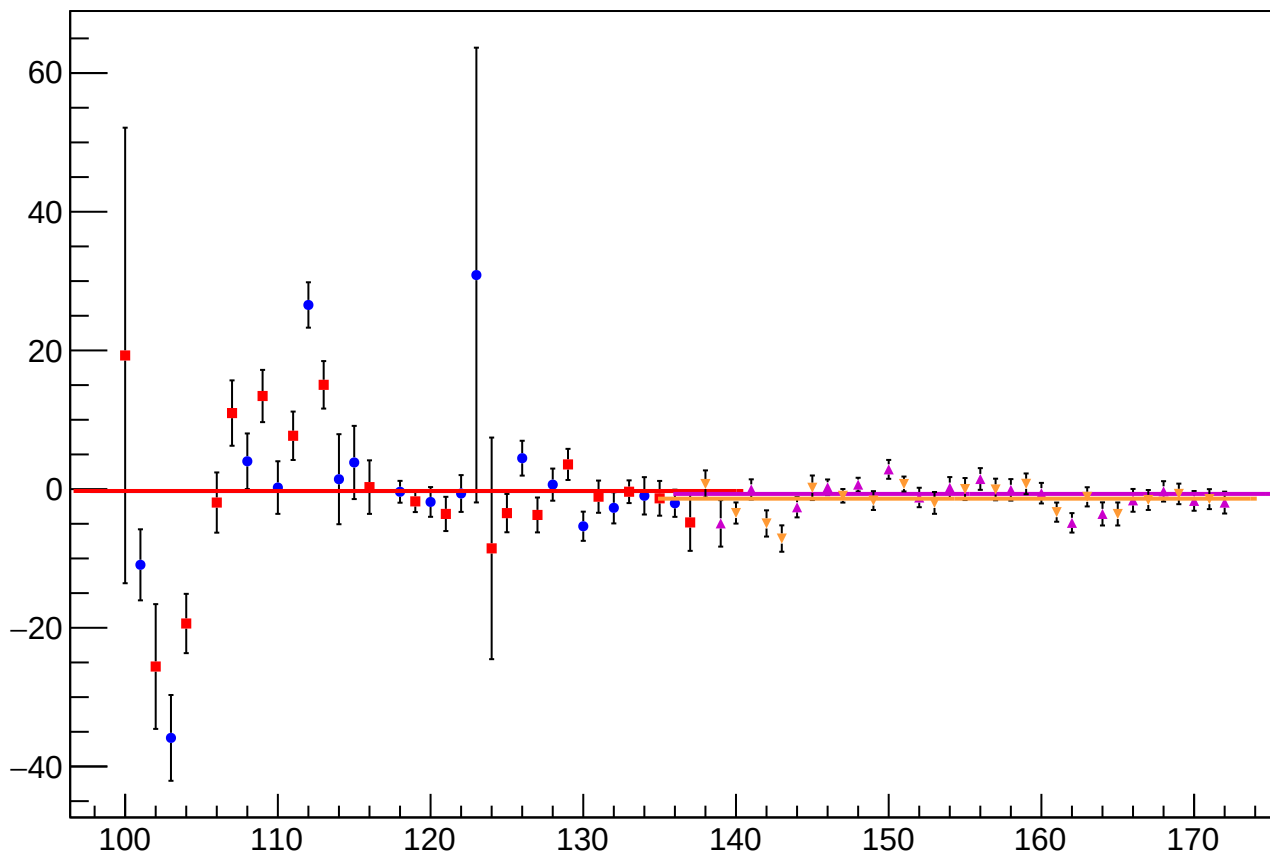
Left In: 14.031+/-0.480 χ^2/NDF :123.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 14.972+/-0.339 χ^2/NDF : 453.9/34

- 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: -1.377 ± 0.343 χ^2/NDF : 28.3/17

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

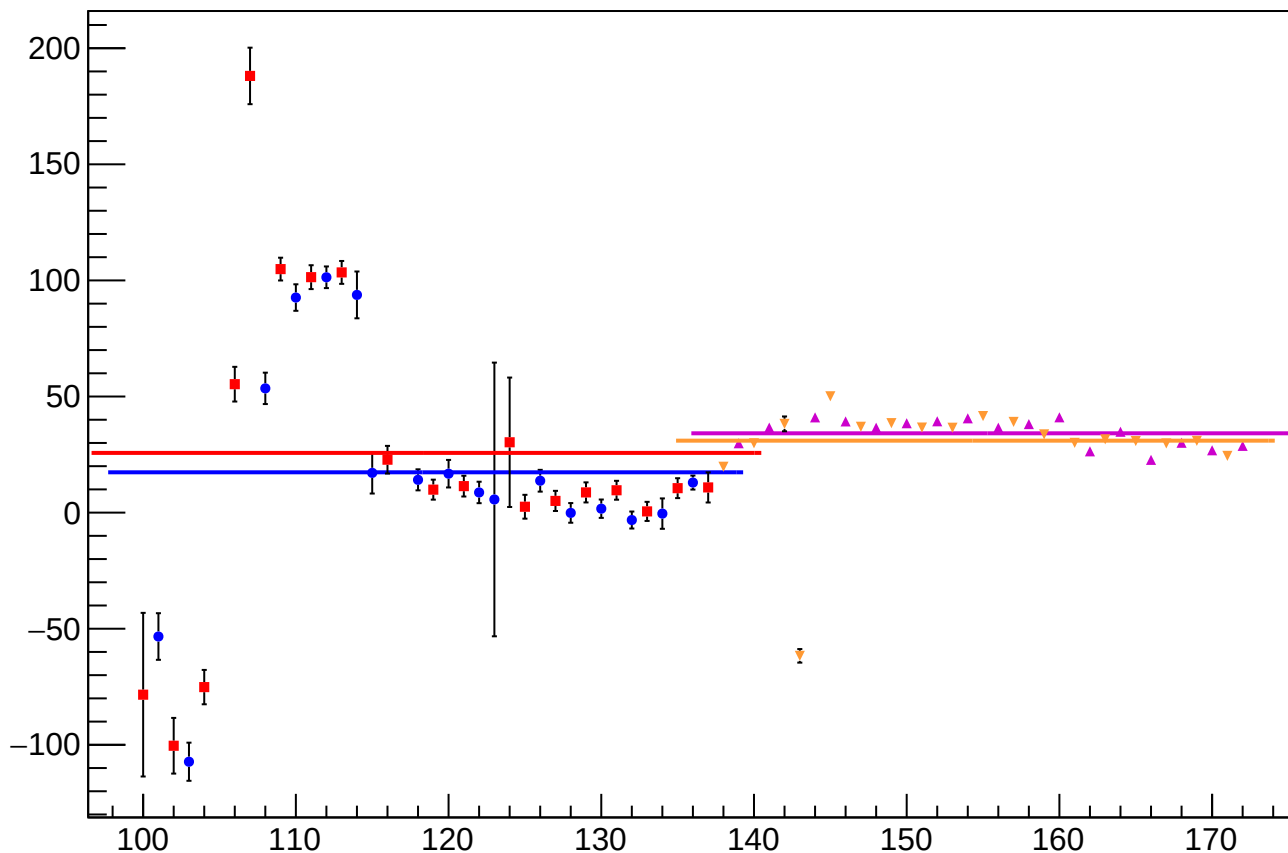
Left In: -0.691 ± 0.349 χ^2/NDF : 28.7/16

+ sign -1.145 ± 0.304 χ^2/NDF : 150.0/34

All: -0.875 ± 0.217 χ^2/NDF : 263.8/70

- 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: 30.992 ± 0.473 χ^2/NDF : 1215.0/17

Right Out: 25.717 ± 1.243 χ^2/NDF : 1378.8/18

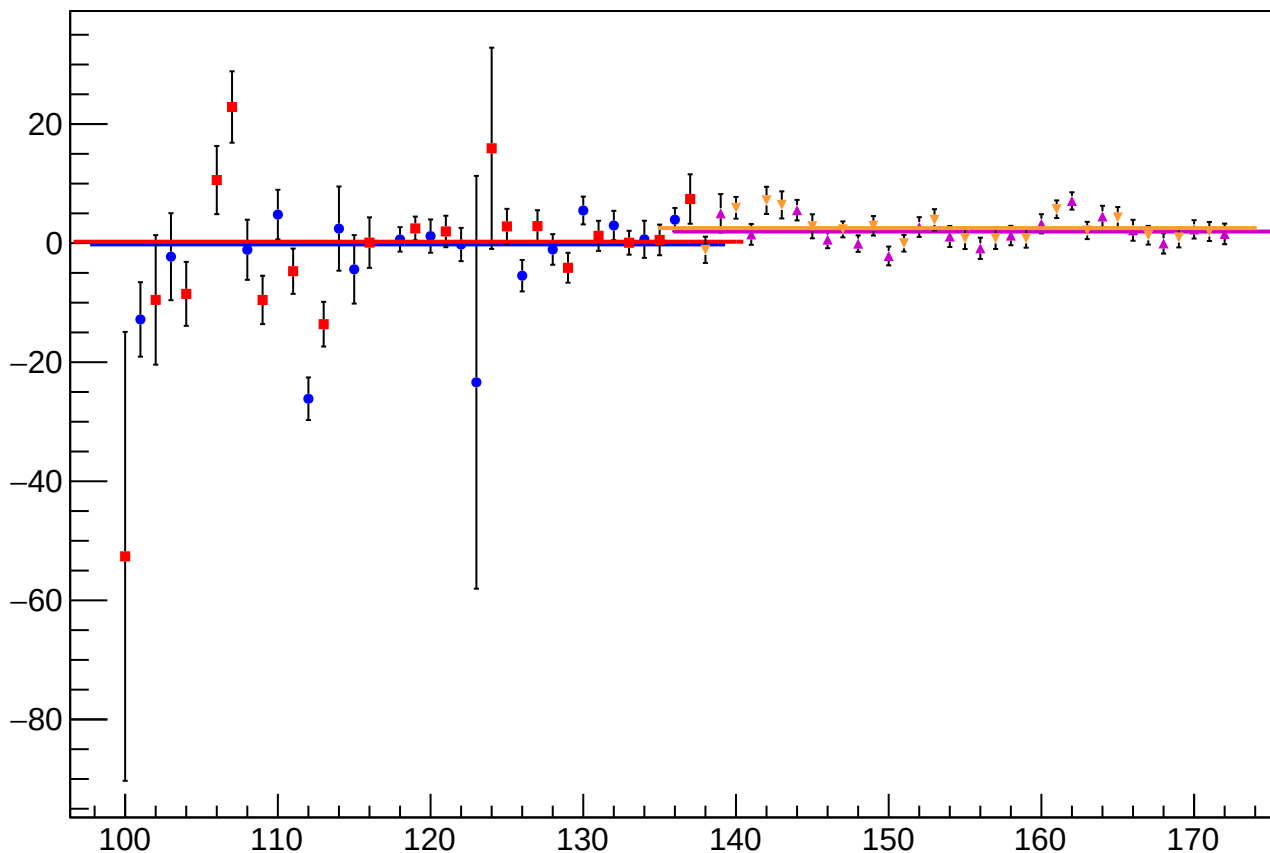
Left In: 34.160 ± 0.471 χ^2/NDF : 151.7/16

+ sign 29.276 ± 0.442 χ^2/NDF : 2262.5/34

All: 31.196 ± 0.312 χ^2/NDF : 3870.8/70

- 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: 2.522 ± 0.398 χ^2/NDF : 27.7/17

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

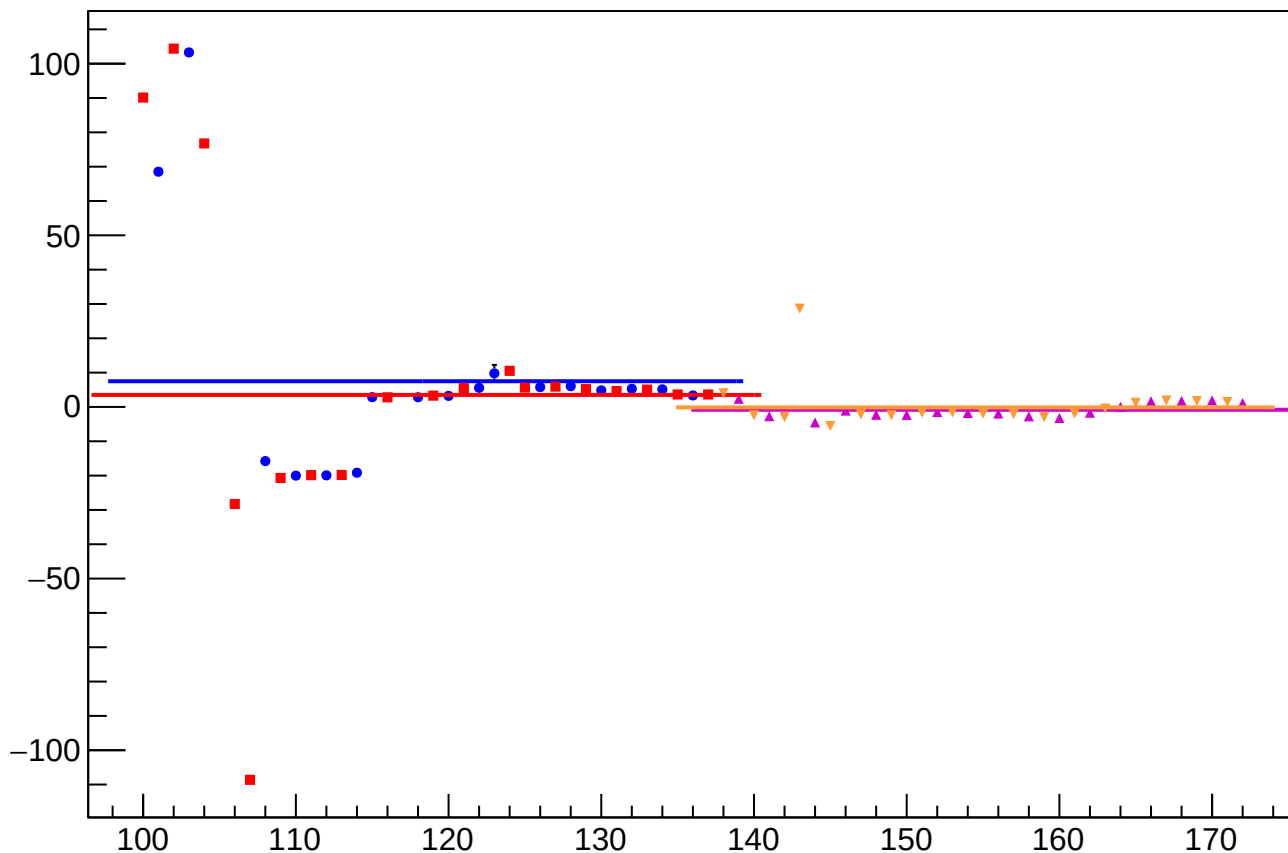
Left In: 1.946 ± 0.404 χ^2/NDF : 34.8/16

+ sign 1.925 ± 0.351 χ^2/NDF : 113.9/34

All: 1.745 ± 0.250 χ^2/NDF : 207.8/70

- 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: -0.127 ± 0.018 χ^2/NDF : 76462.8/17

Right Out: 3.504 ± 0.046 χ^2/NDF : 510579.4/18

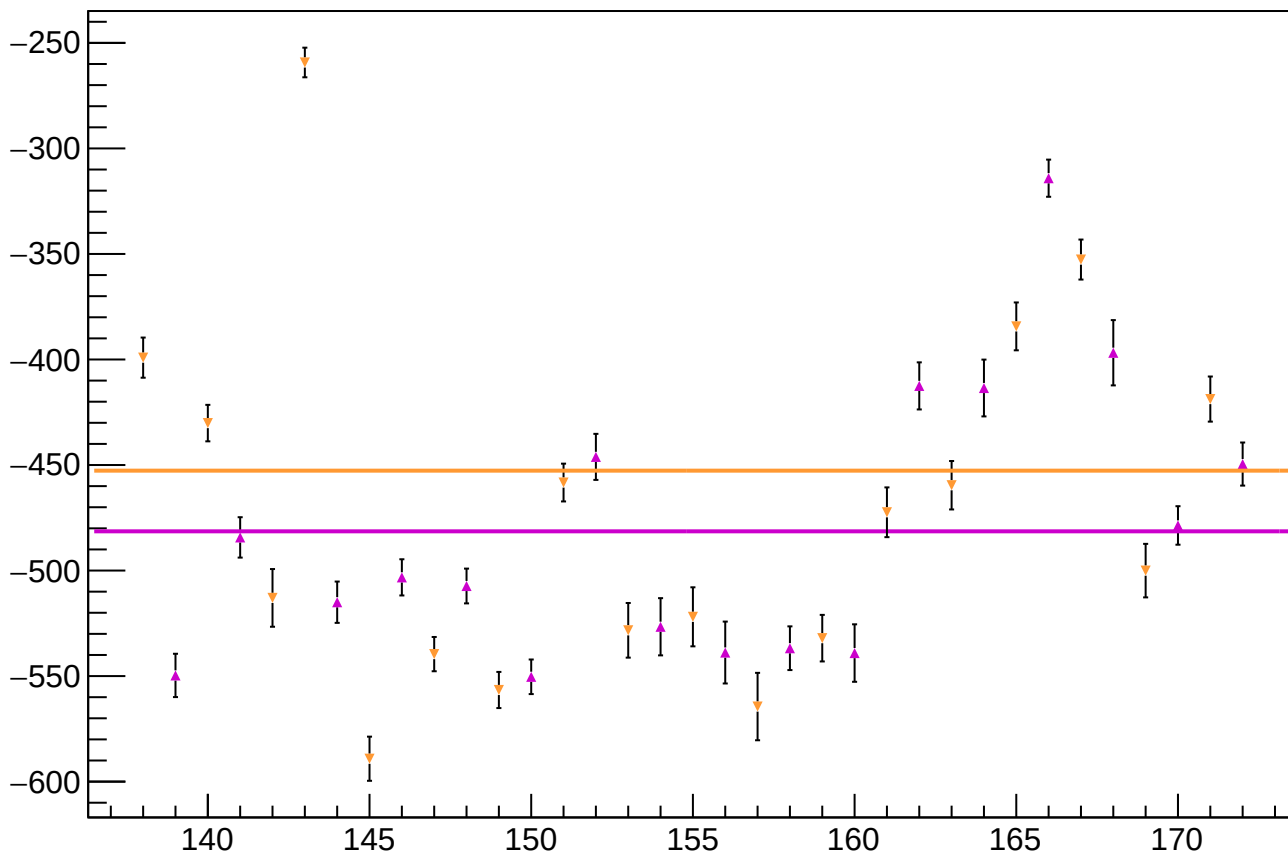
Left In: -0.815 ± 0.018 χ^2/NDF : 11817.5/16

+ sign 0.978 ± 0.017 χ^2/NDF : 457352.9/34

All: 0.381 ± 0.012 χ^2/NDF : 989934.2/70

- 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: -452.669+/-2.408 χ^2/NDF :1584.2/17

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

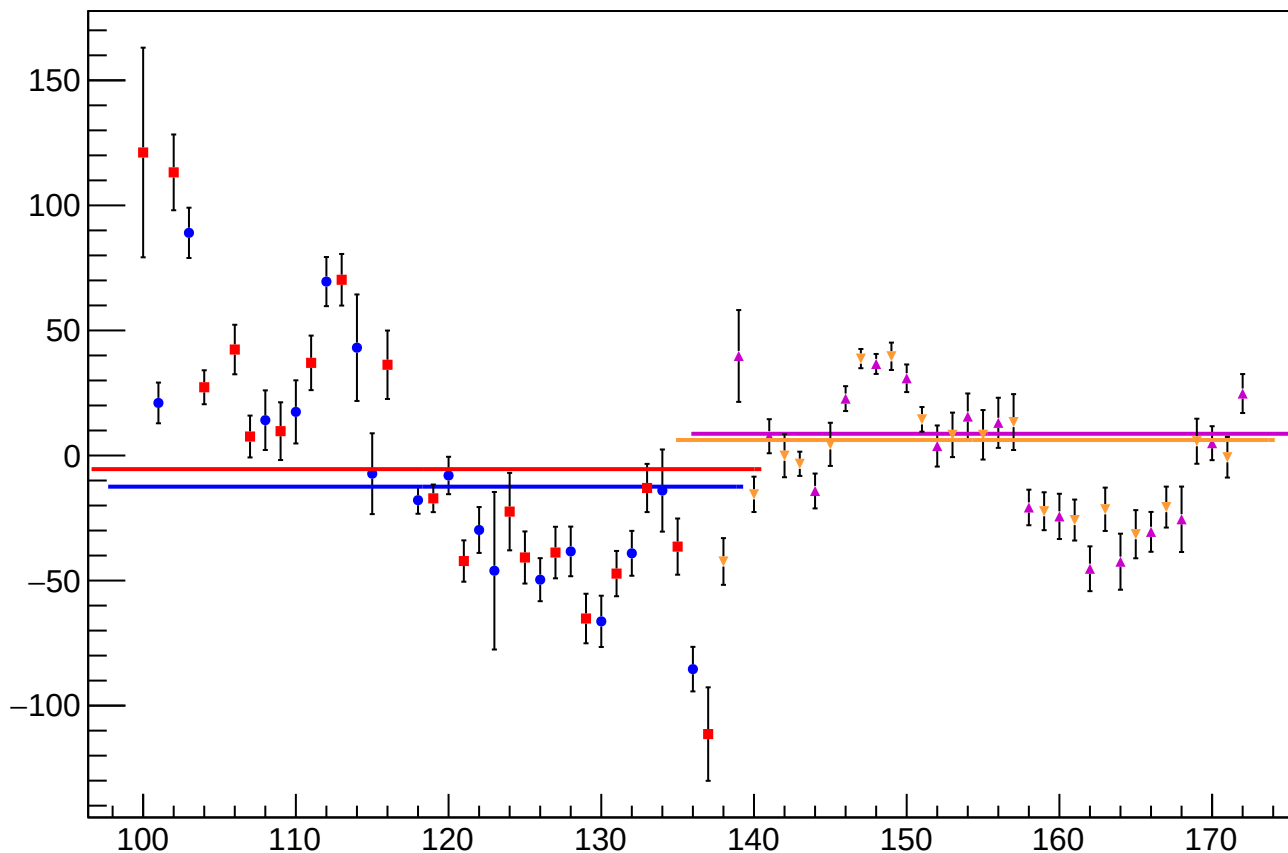
Left In: -481.415+/-2.504 χ^2/NDF :691.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -466.485+/-1.736 χ^2/NDF : 2343.8/34

- 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: 6.192 ± 1.638 χ^2/NDF : 219.5/17

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

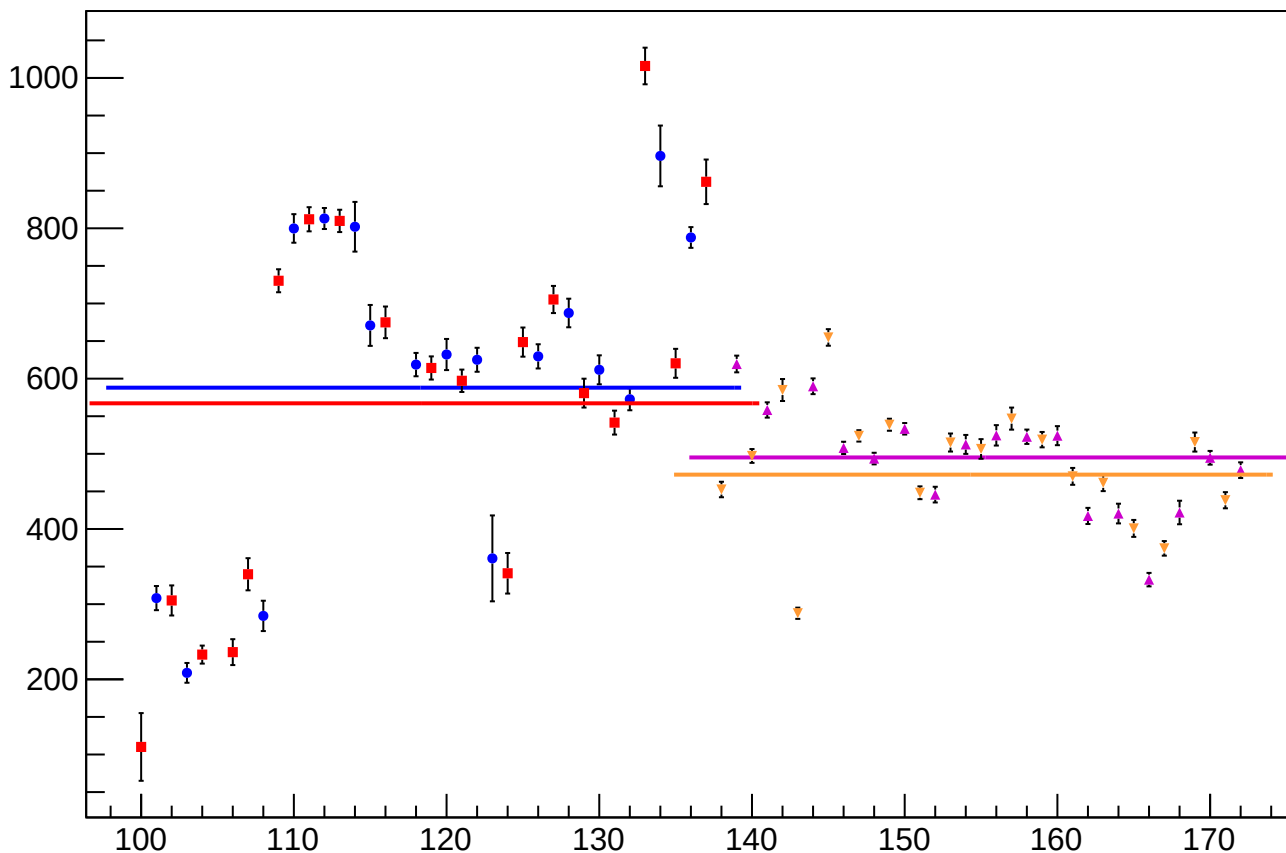
Left In: 8.692 ± 1.741 χ^2/NDF : 211.1/16

+ sign 0.090 ± 1.343 χ^2/NDF : 603.0/34

All: 1.710 ± 0.962 χ^2/NDF : 1186.7/70

- 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: 472.310 ± 2.389 $\chi^2/\text{NDF}: 1304.6/17$

Right Out: 567.179 ± 4.136 $\chi^2/\text{NDF}: 2783.2/18$

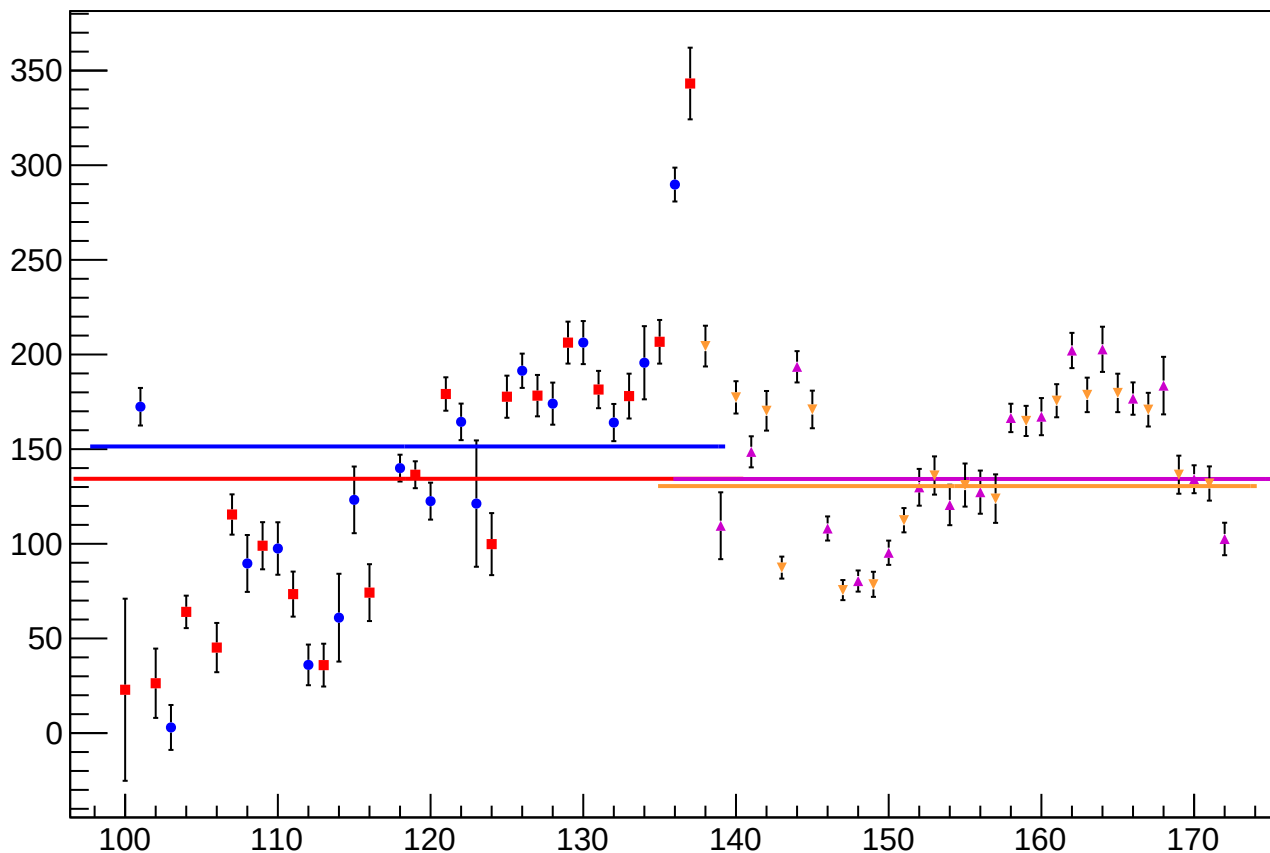
Left In: 495.171 ± 2.456 $\chi^2/\text{NDF}: 752.9/16$

+ sign 499.097 ± 2.095 $\chi^2/\text{NDF}: 3977.0/34$

All: 506.458 ± 1.487 $\chi^2/\text{NDF}: 7762.1/70$

- 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 ± 2.709 $\chi^2/\text{NDF}: 633.3/16$

Left Out: 130.493 ± 1.950 $\chi^2/\text{NDF}: 458.2/17$

Right Out: 134.346 ± 2.616 $\chi^2/\text{NDF}: 584.9/18$

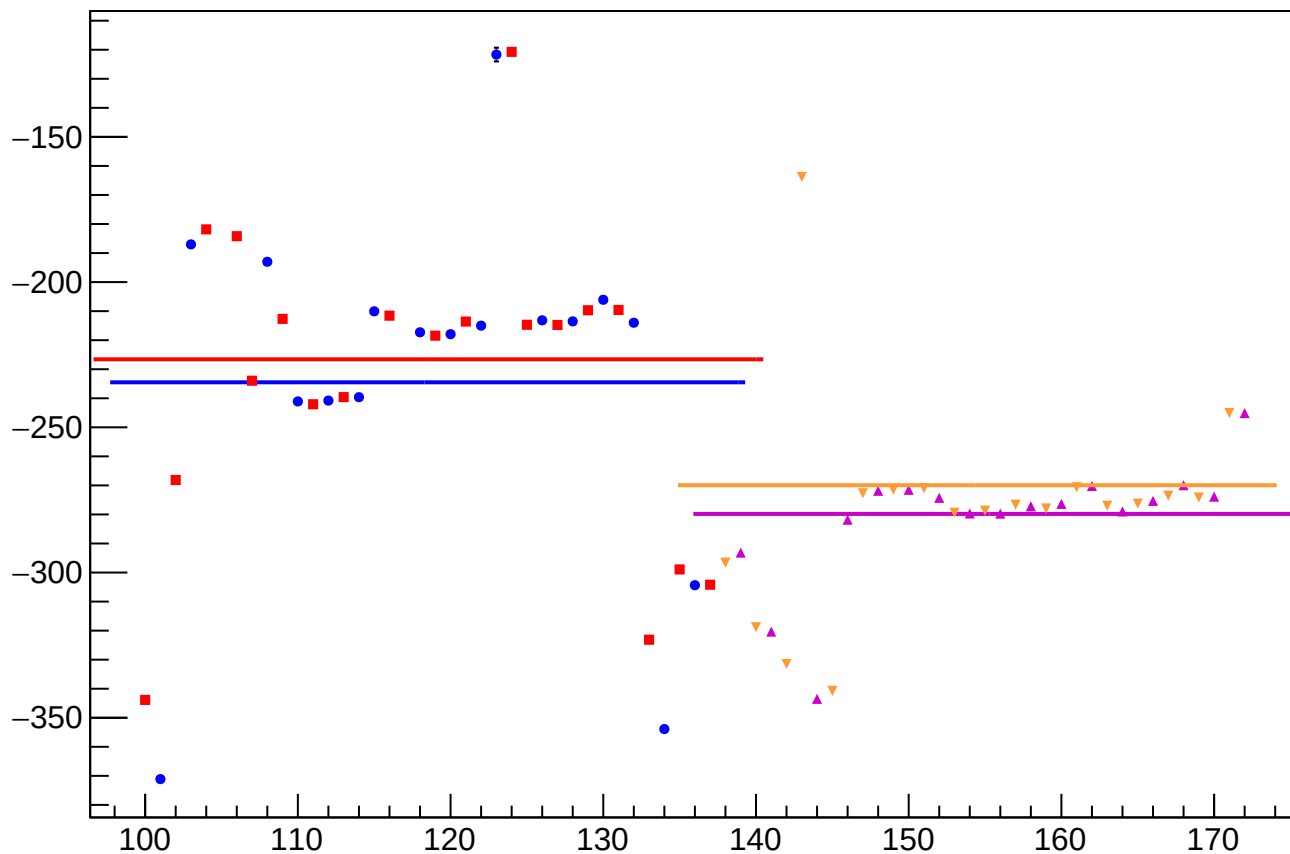
Left In: 134.244 ± 2.052 $\chi^2/\text{NDF}: 370.4/16$

+ sign 137.637 ± 1.583 $\chi^2/\text{NDF}: 1130.8/34$

All: 135.993 ± 1.130 $\chi^2/\text{NDF}: 2088.3/70$

- sign 134.283 ± 1.614 $\chi^2/\text{NDF}: 955.3/35$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -269.932 ± 0.095 $\chi^2/\text{NDF}: 187583.7/17$

Right Out: -226.581 ± 0.141 $\chi^2/\text{NDF}: 98968.8/18$

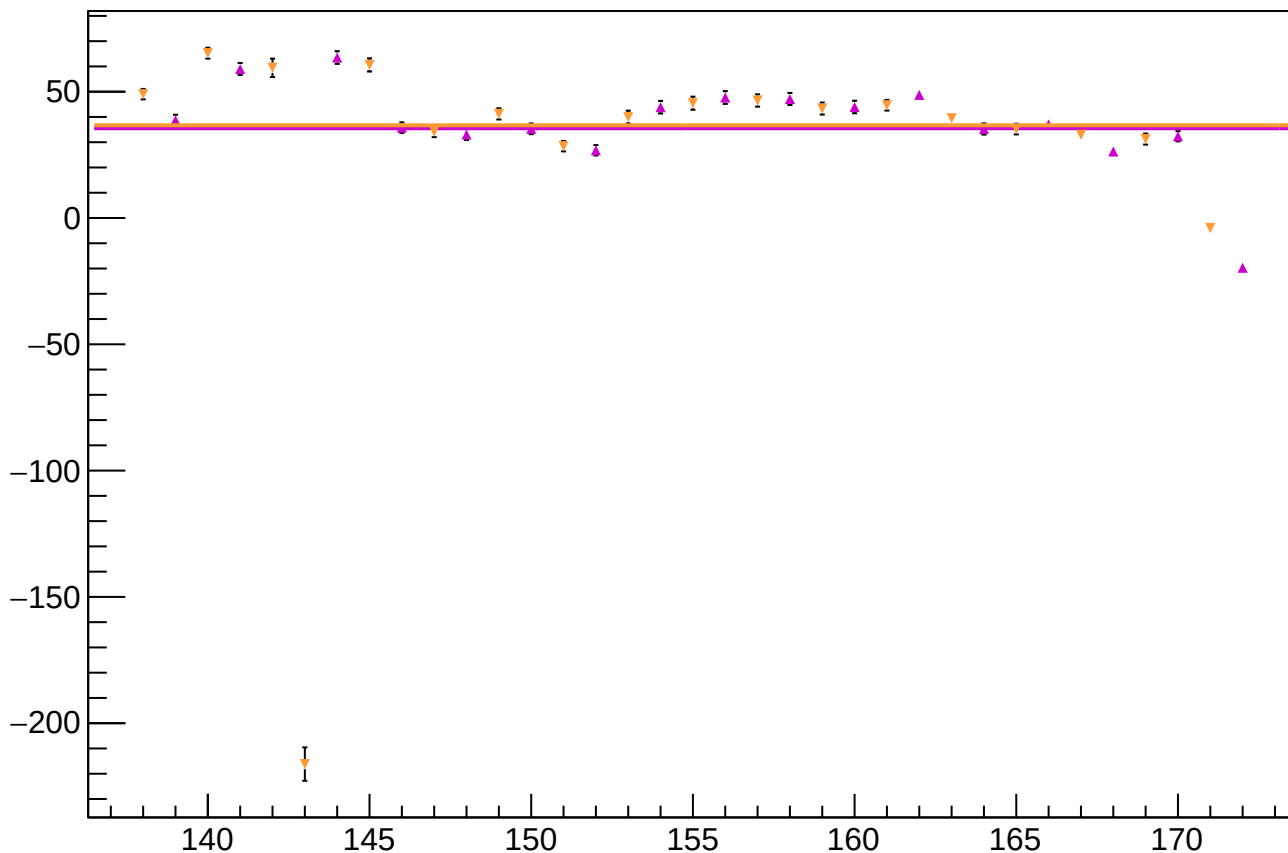
Left In: -279.824 ± 0.097 $\chi^2/\text{NDF}: 41767.7/16$

+ sign -259.631 ± 0.080 $\chi^2/\text{NDF}: 372720.0/34$

All: -261.189 ± 0.057 $\chi^2/\text{NDF}: 610479.8/70$

- 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: 36.704+/-0.535 χ^2/NDF :2334.6/17

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

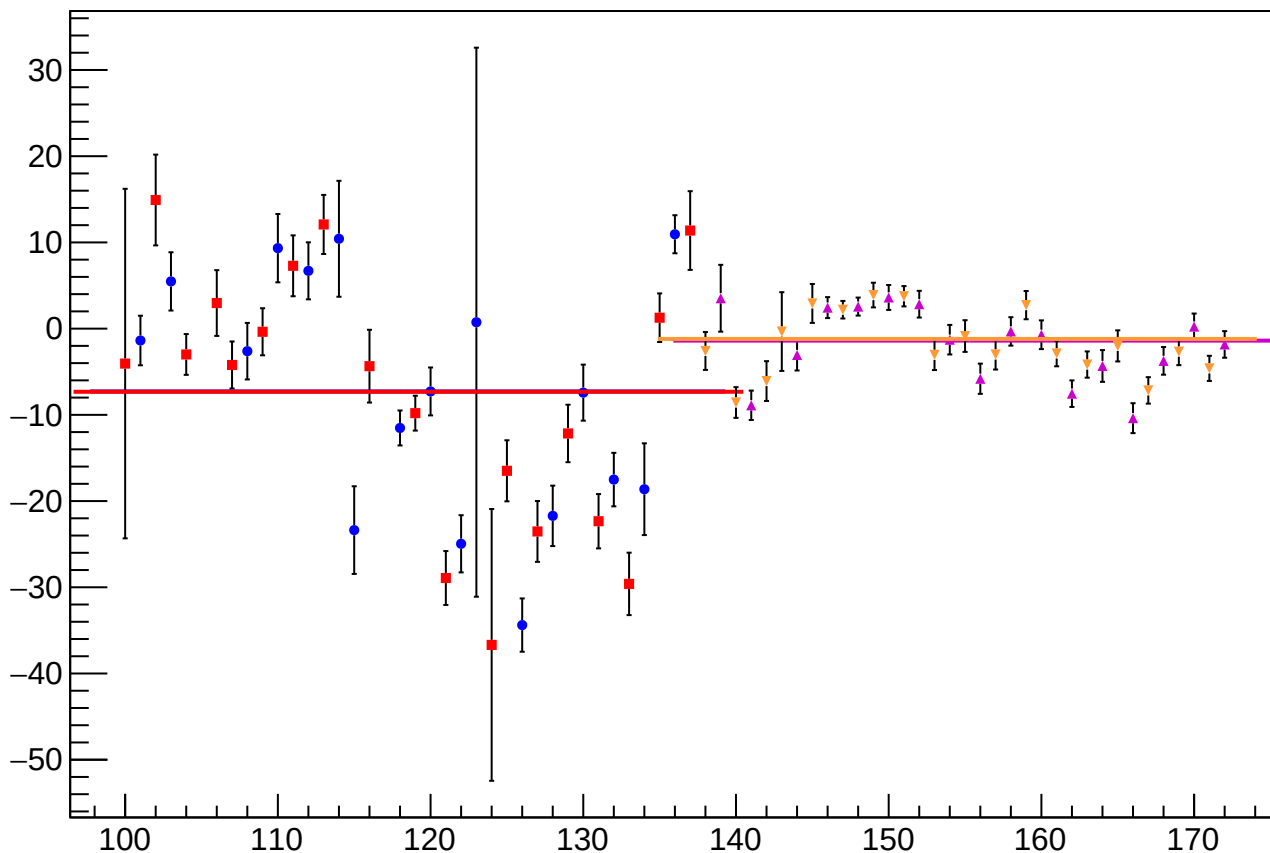
Left In: 35.531+/-0.525 χ^2/NDF :1149.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 36.107+/-0.375 χ^2/NDF : 3486.4/34

- 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: -1.196 ± 0.380 χ^2/NDF : 101.5/17

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

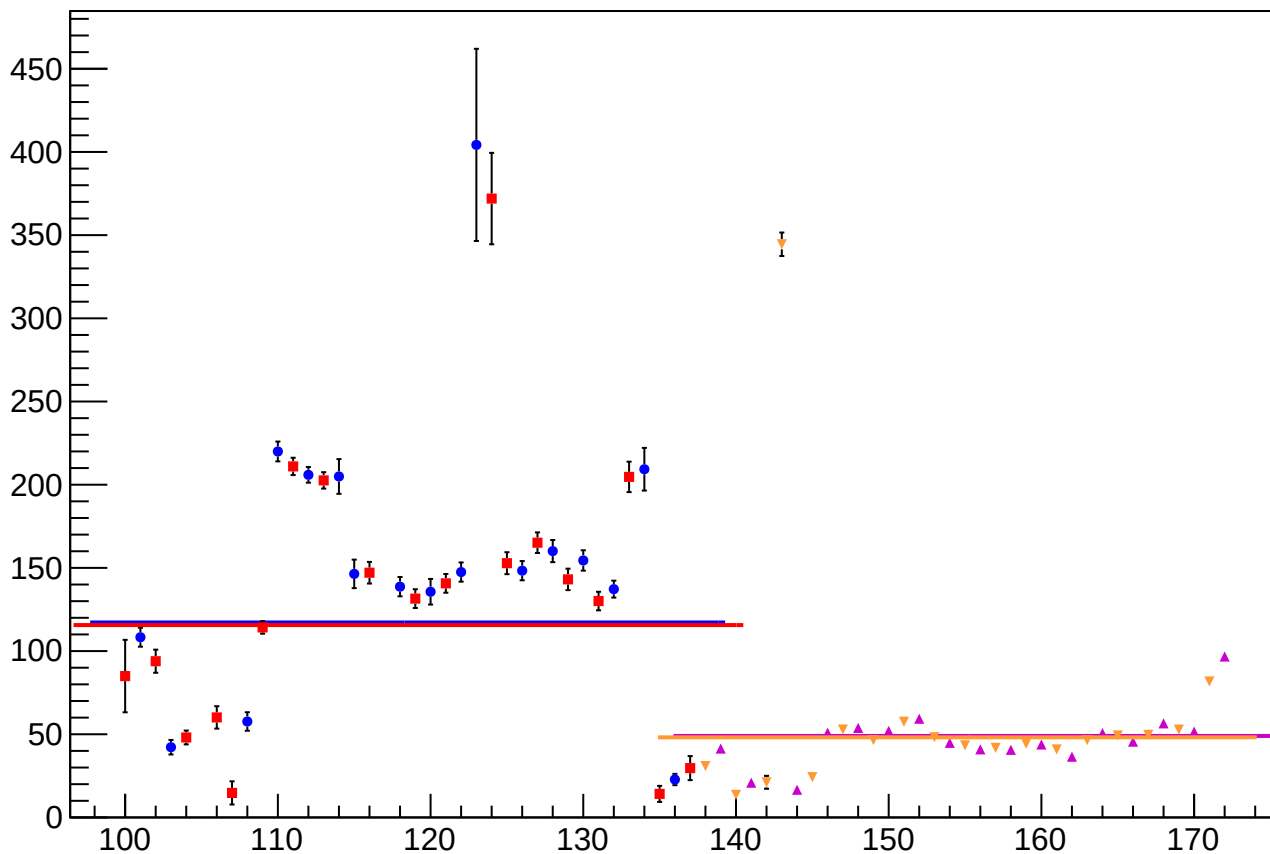
Left In: -1.391 ± 0.381 χ^2/NDF : 121.1/16

+ sign -2.342 ± 0.342 χ^2/NDF : 433.1/34

All: -2.461 ± 0.241 χ^2/NDF : 858.4/70

- 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: 48.149 $\pm$ 0.526 χ^2 /NDF:2540.7/17

Right Out: 115.632 $\pm$ 1.361 χ^2 /NDF: 2137.6/18

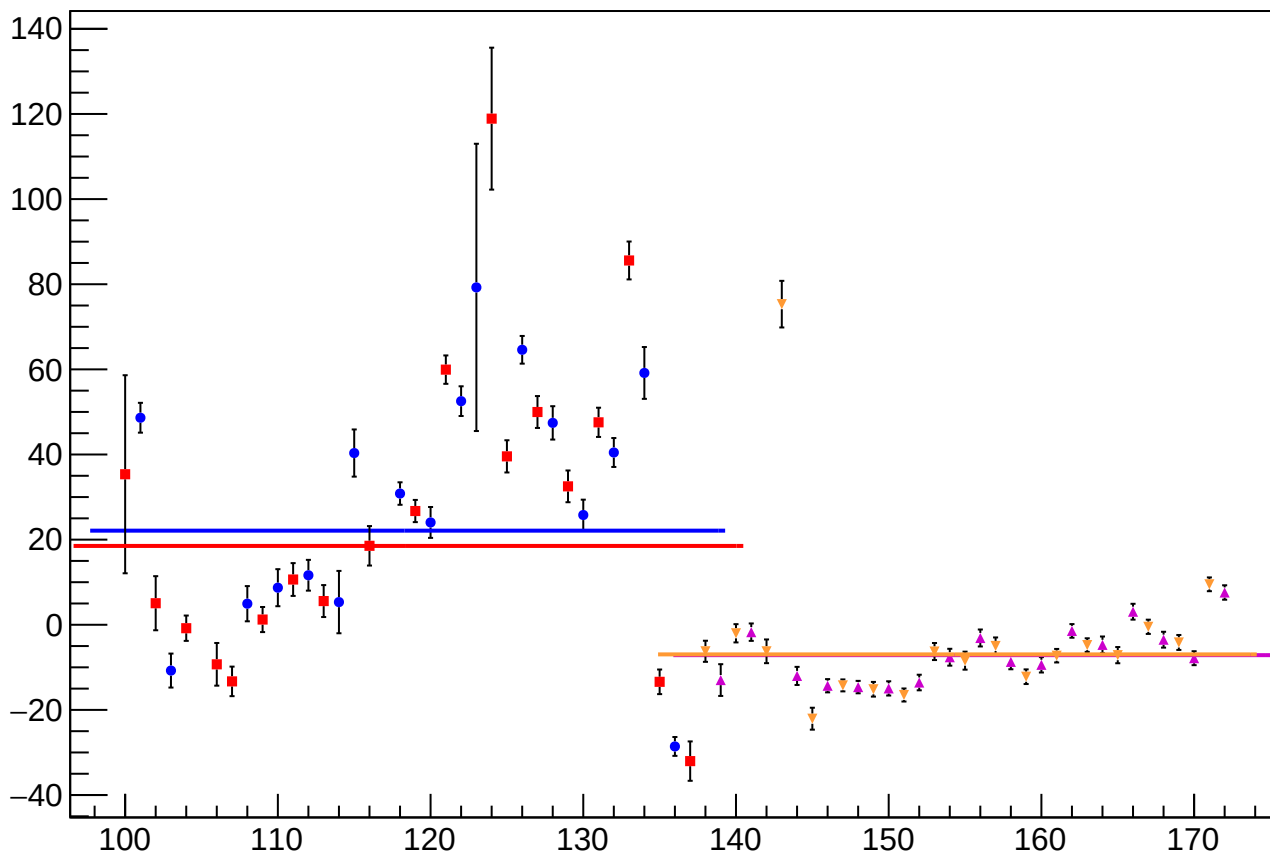
Left In: 48.985 $\pm$ 0.515 χ^2 /NDF:963.1/16

+ sign 56.505 $\pm$ 0.493 χ^2 /NDF: 6790.1/34

All: 56.931 $\pm$ 0.345 χ^2 /NDF: 11989.6/70

- 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 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -6.959 $\pm$ 0.441 χ^2 /NDF: 487.7/17

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

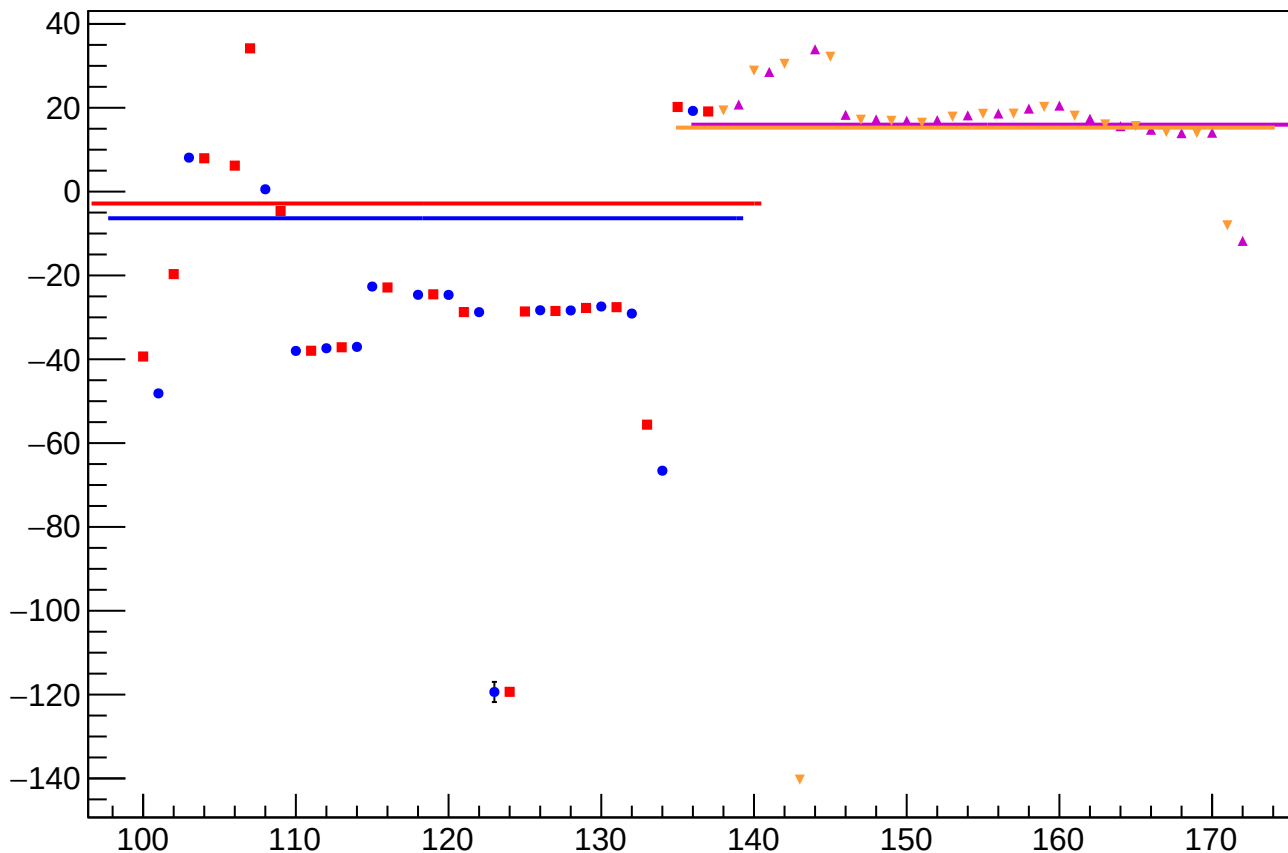
Left In: -7.139 $\pm$ 0.440 χ^2 /NDF: 226.7/16

+ sign -1.319 $\pm$ 0.396 χ^2 /NDF: 2402.3/34

All: -1.621 $\pm$ 0.279 χ^2 /NDF: 4389.8/70

- sign -1.919 $\pm$ 0.393 χ^2 /NDF: 1986.4/35

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 15.266 ± 0.020 $\chi^2/\text{NDF}: 486701.0/17$

Right Out: -2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

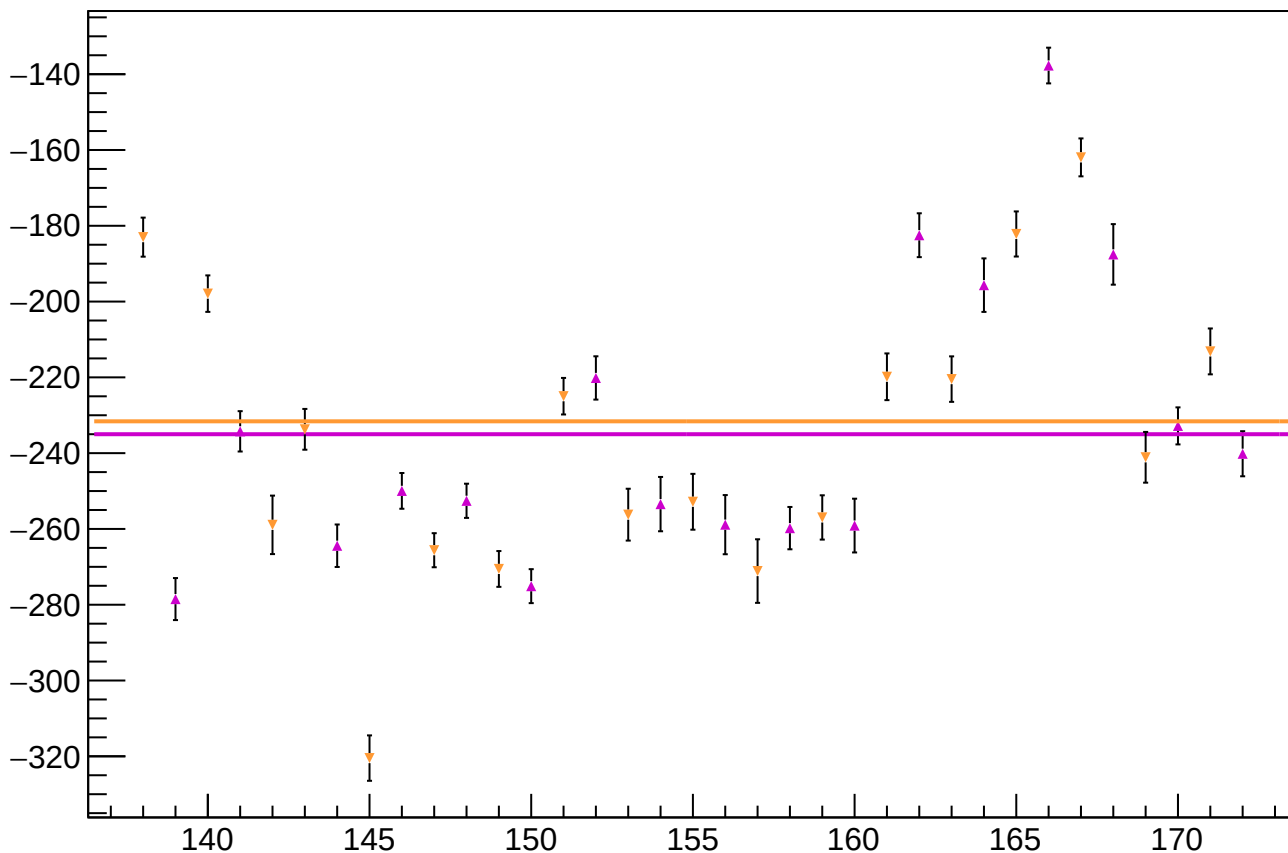
Left In: 15.972 ± 0.020 $\chi^2/\text{NDF}: 199818.9/16$

+ sign 11.744 ± 0.019 $\chi^2/\text{NDF}: 933986.9/34$

All: 12.356 ± 0.013 $\chi^2/\text{NDF}: 1543336.9/70$

- sign 12.946 ± 0.018 $\chi^2/\text{NDF}: 607246.7/35$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -231.601 ± 1.346 $\chi^2/\text{NDF}: 841.2/17$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

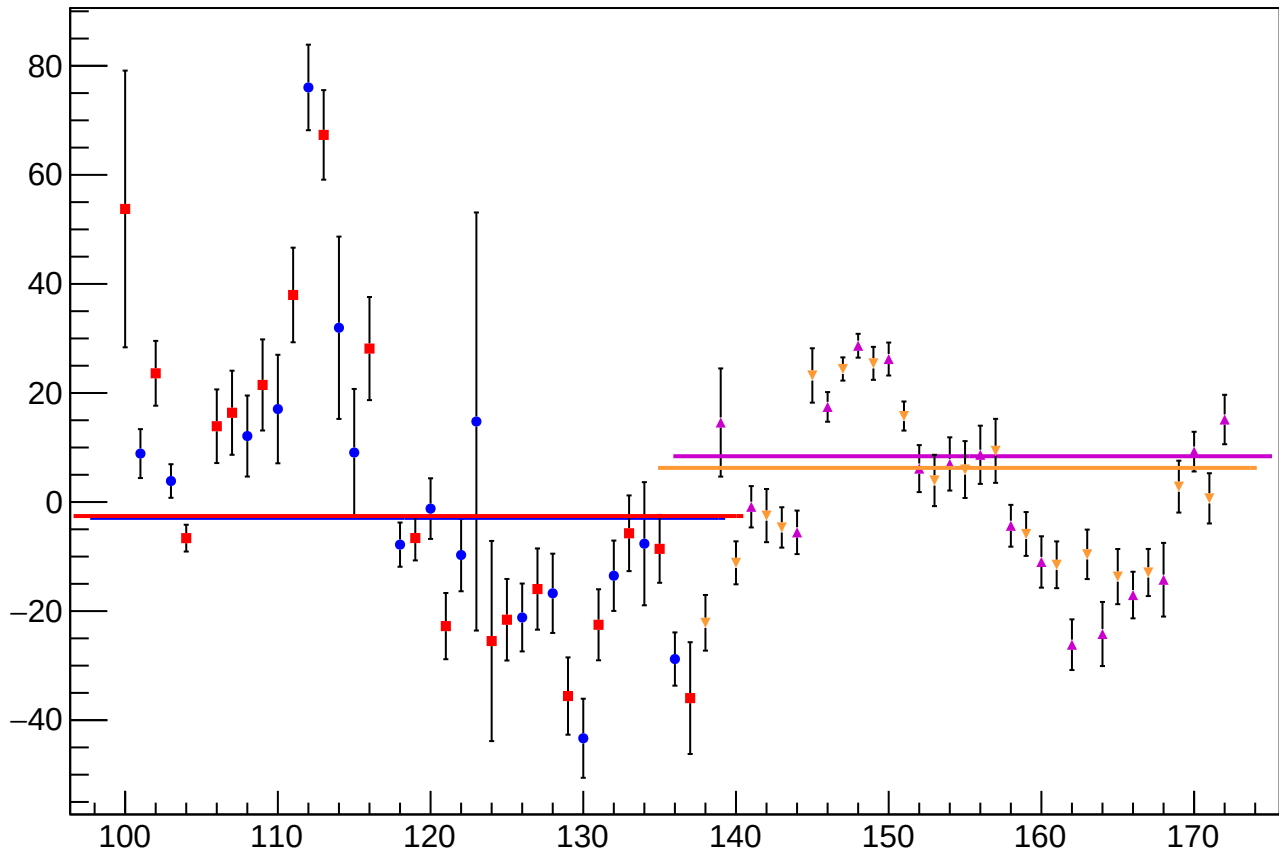
Left In: -235.003 ± 1.358 $\chi^2/\text{NDF}: 824.0/16$

+ sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

All: -233.287 ± 0.956 $\chi^2/\text{NDF}: 1668.4/34$

- sign 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901±1.467 χ^2/NDF : 203.6/16

Left Out: 6.265±0.917 χ^2/NDF : 275.6/17

Right Out: -2.570±1.396 χ^2/NDF : 218.2/18

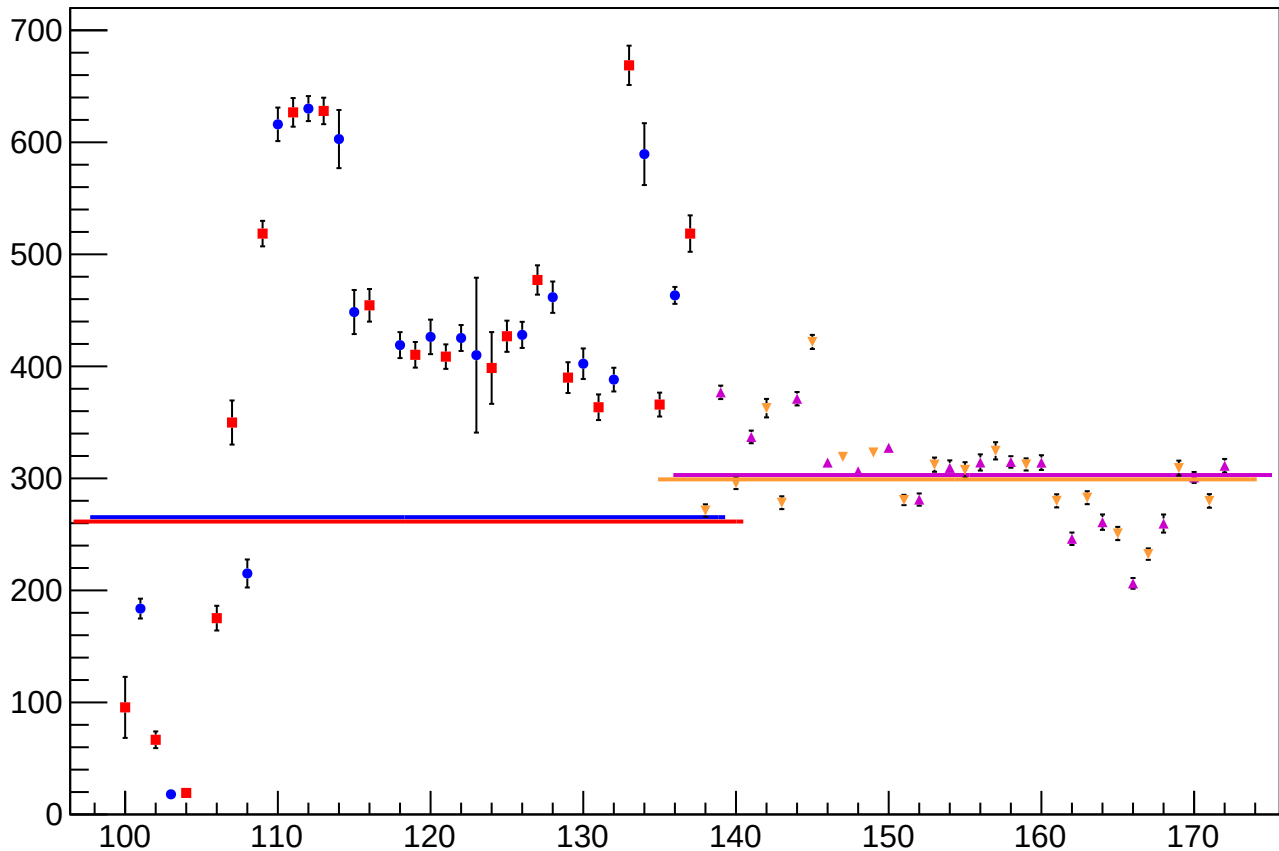
Left In: 8.401±0.946 χ^2/NDF : 313.8/16

+ sign 3.688±0.778 χ^2/NDF : 507.2/34

All: 4.313±0.552 χ^2/NDF : 1082.8/70

- 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: 299.109 $\pm$ 1.328 χ^2 /NDF:836.1/17

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

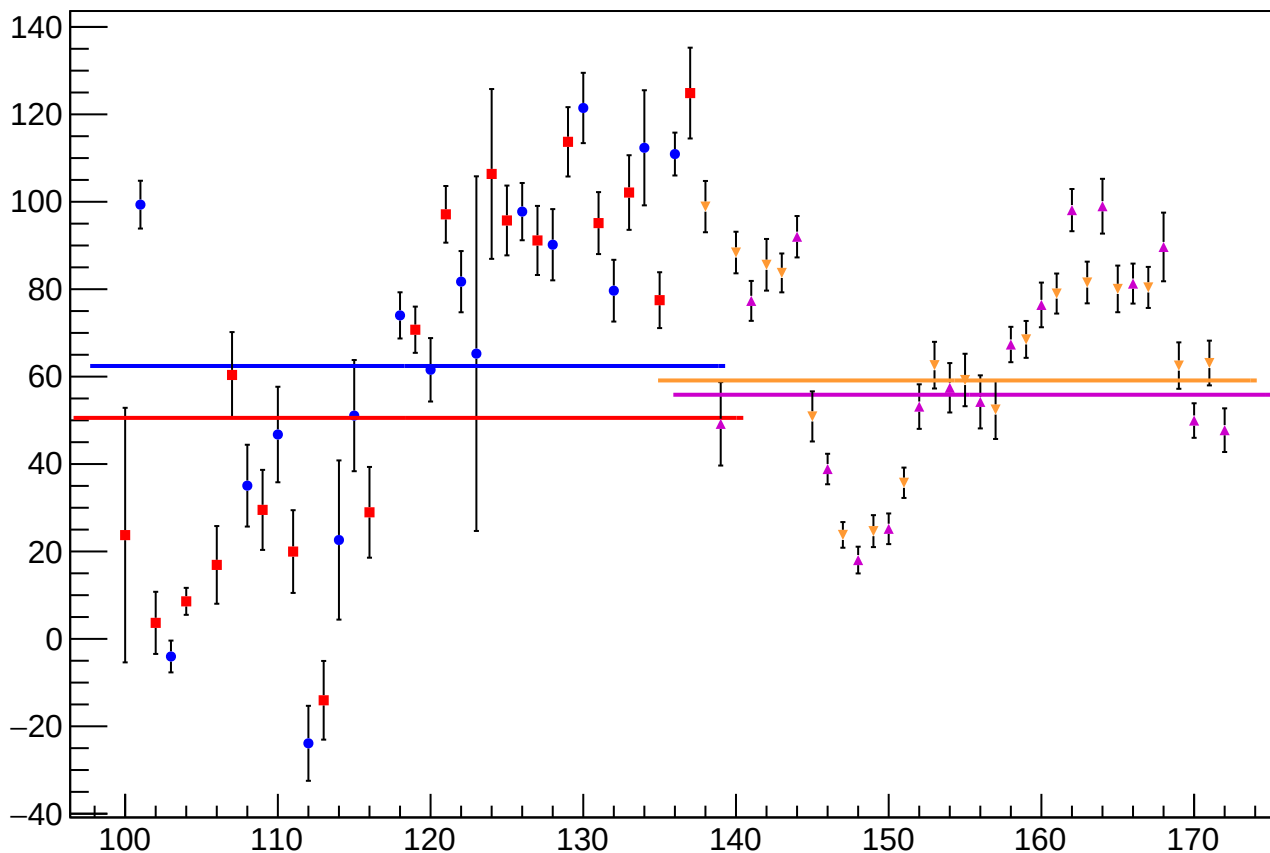
Left In: 302.985 $\pm$ 1.330 χ^2 /NDF:962.1/16

+ sign 291.630 $\pm$ 1.171 χ^2 /NDF: 8613.0/34

All: 292.607 $\pm$ 0.828 χ^2 /NDF: 18001.6/70

- 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 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 59.123 $\pm$ 1.089 χ^2 /NDF: 499.8/17

Right Out: 50.560 $\pm$ 1.642 χ^2 /NDF: 657.4/18

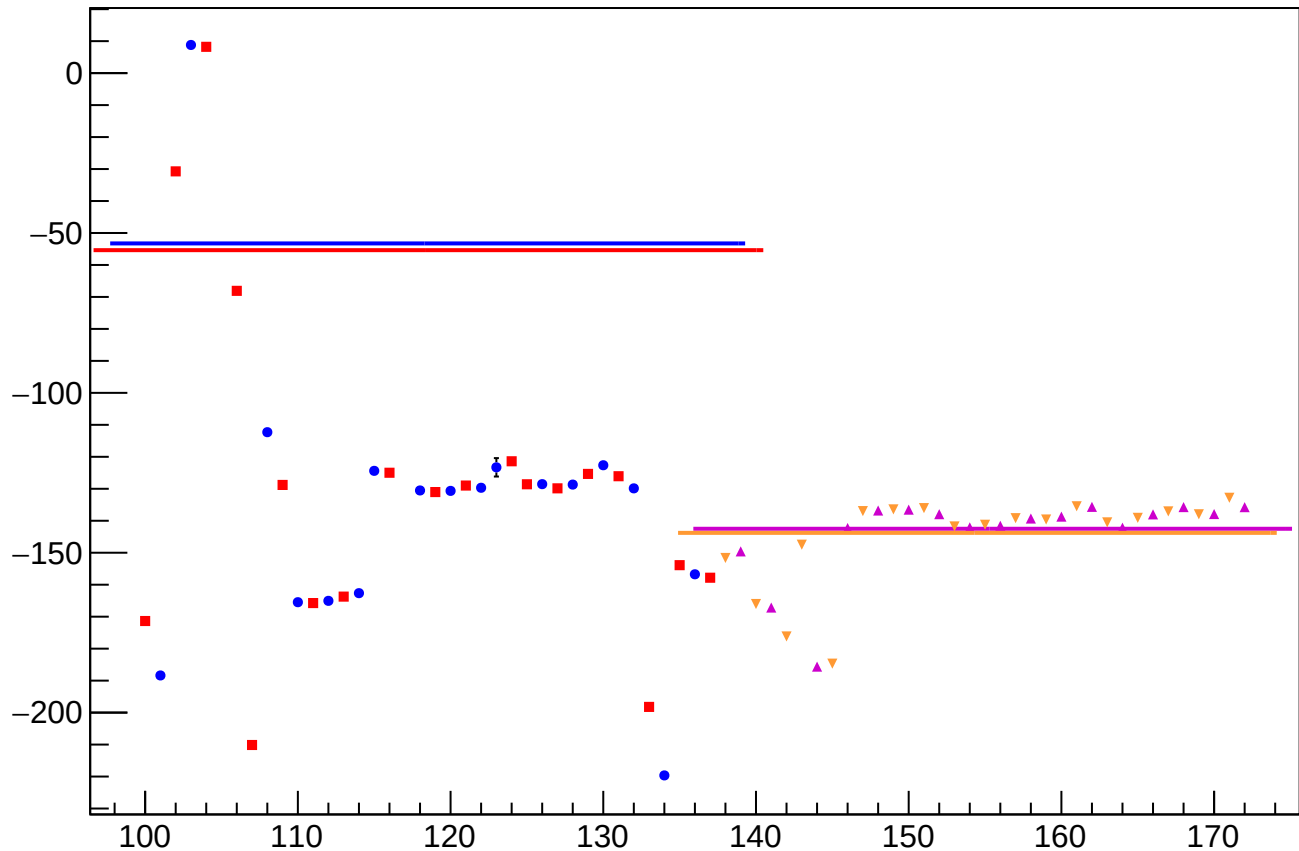
Left In: 55.854 $\pm$ 1.113 χ^2 /NDF: 536.8/16

+ sign 60.092 $\pm$ 0.916 χ^2 /NDF: 1224.2/34

All: 57.157 $\pm$ 0.650 χ^2 /NDF: 2446.1/70

- sign 54.186 $\pm$ 0.922 χ^2 /NDF: 1201.3/35

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 ± 0.070 $\chi^2/\text{NDF}: 1225492.9/16$

Left Out: -143.786 ± 0.053 $\chi^2/\text{NDF}: 59276.4/17$

Right Out: -55.373 ± 0.072 $\chi^2/\text{NDF}: 967027.2/18$

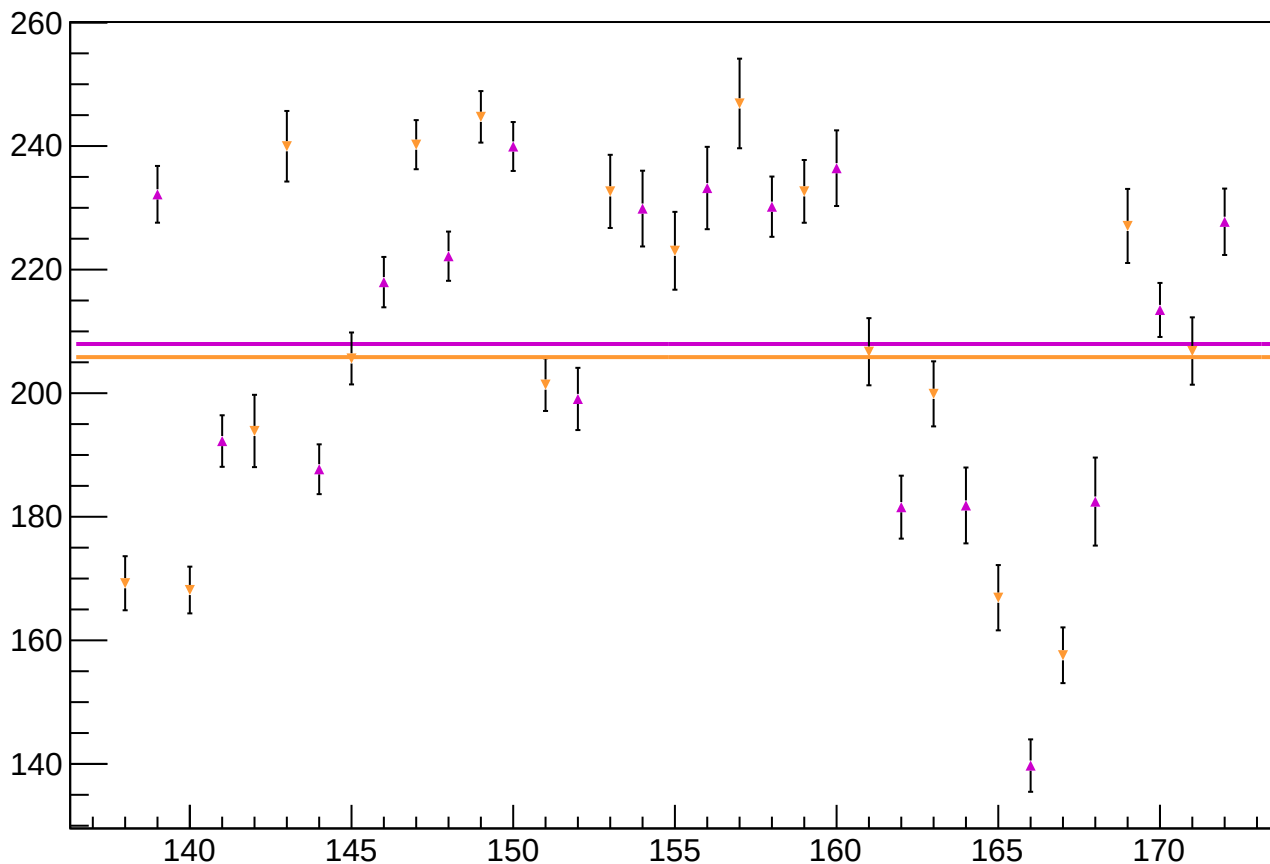
Left In: -142.507 ± 0.053 $\chi^2/\text{NDF}: 46329.5/16$

+ sign -111.131 ± 0.042 $\chi^2/\text{NDF}: 2341345.8/34$

All: -111.651 ± 0.030 $\chi^2/\text{NDF}: 4311056.7/70$

- sign -112.175 ± 0.042 $\chi^2/\text{NDF}: 1969407.7/35$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 205.838+/-1.161 χ^2/NDF : 642.6/17

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

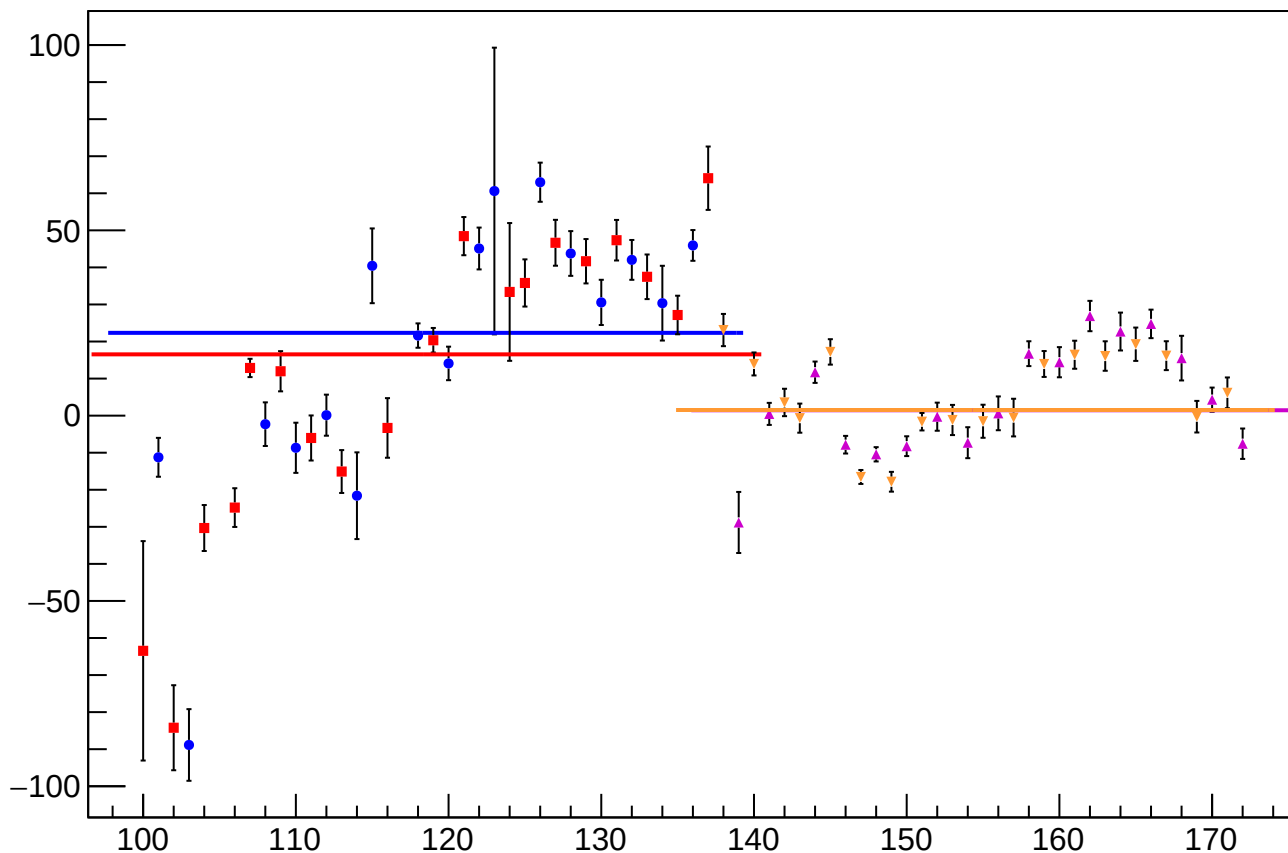
Left In: 207.961+/-1.164 χ^2/NDF : 555.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 206.896+/-0.822 χ^2/NDF : 1199.6/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: 1.522 $\pm$ 0.797 χ^2 /NDF: 282.3/17

Right Out: 16.537 $\pm$ 1.227 χ^2 /NDF: 426.6/18

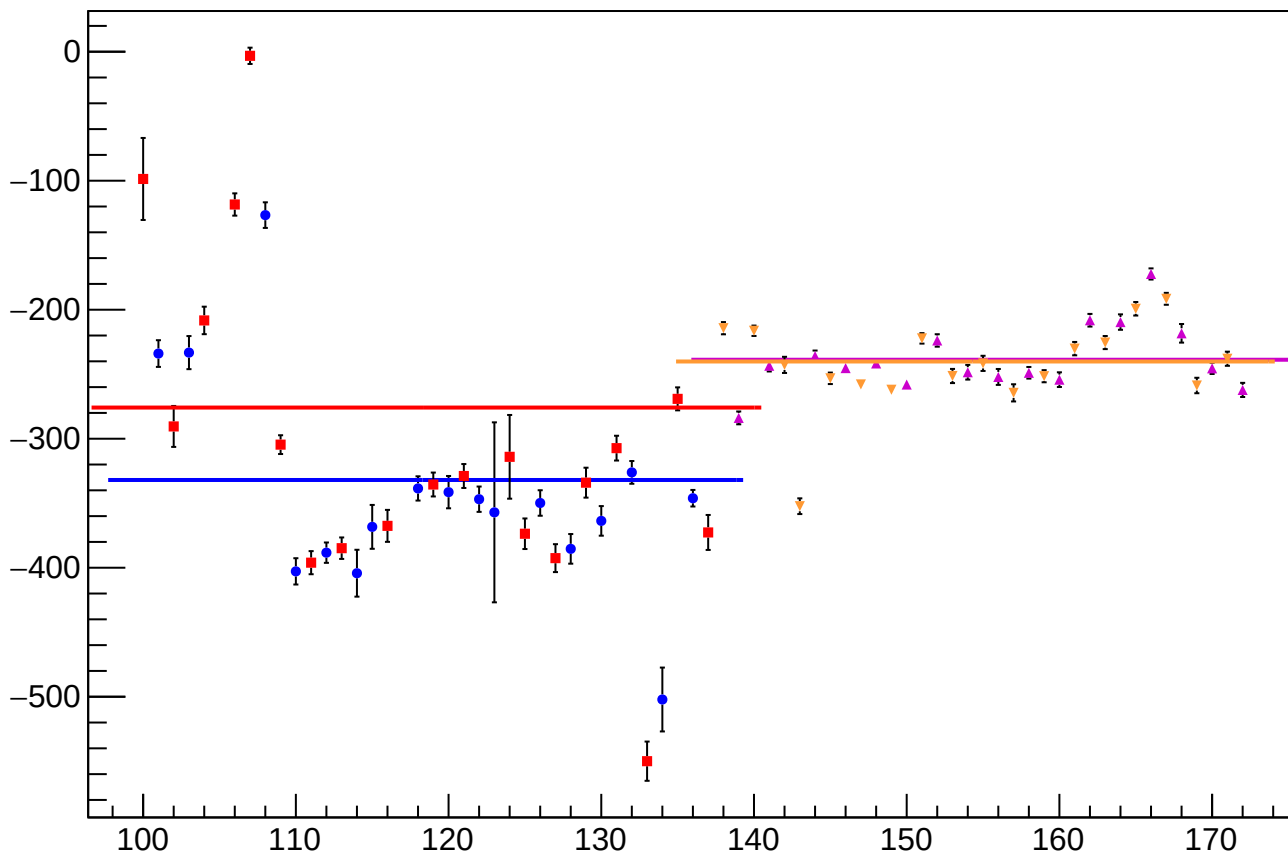
Left In: 1.454 $\pm$ 0.815 χ^2 /NDF: 231.8/16

+ sign 6.643 $\pm$ 0.692 χ^2 /NDF: 836.0/34

All: 6.351 $\pm$ 0.485 χ^2 /NDF: 1599.6/70

- sign 6.071 $\pm$ 0.679 χ^2 /NDF: 763.2/35

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 $\chi^2/\text{NDF}: 785.0/16$

Left Out: -240.131 ± 1.149 $\chi^2/\text{NDF}: 702.3/17$

Right Out: -275.842 ± 2.325 $\chi^2/\text{NDF}: 3362.2/18$

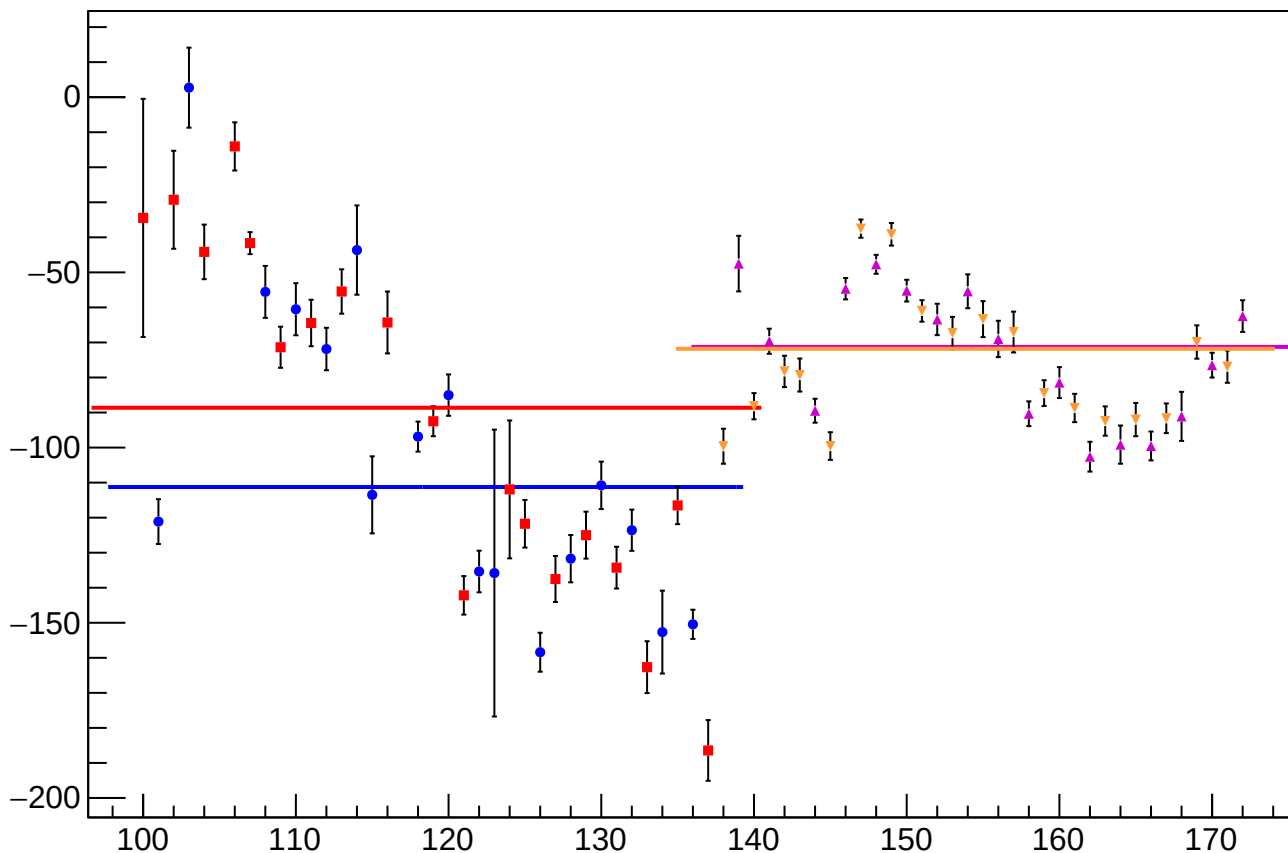
Left In: -238.778 ± 1.145 $\chi^2/\text{NDF}: 471.8/16$

+ sign -255.327 ± 1.049 $\chi^2/\text{NDF}: 2545.1/34$

All: -250.567 ± 0.734 $\chi^2/\text{NDF}: 6624.0/70$

- sign -246.010 ± 1.027 $\chi^2/\text{NDF}: 4038.6/35$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -71.809 ± 0.945 χ^2/NDF : 492.9/17

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

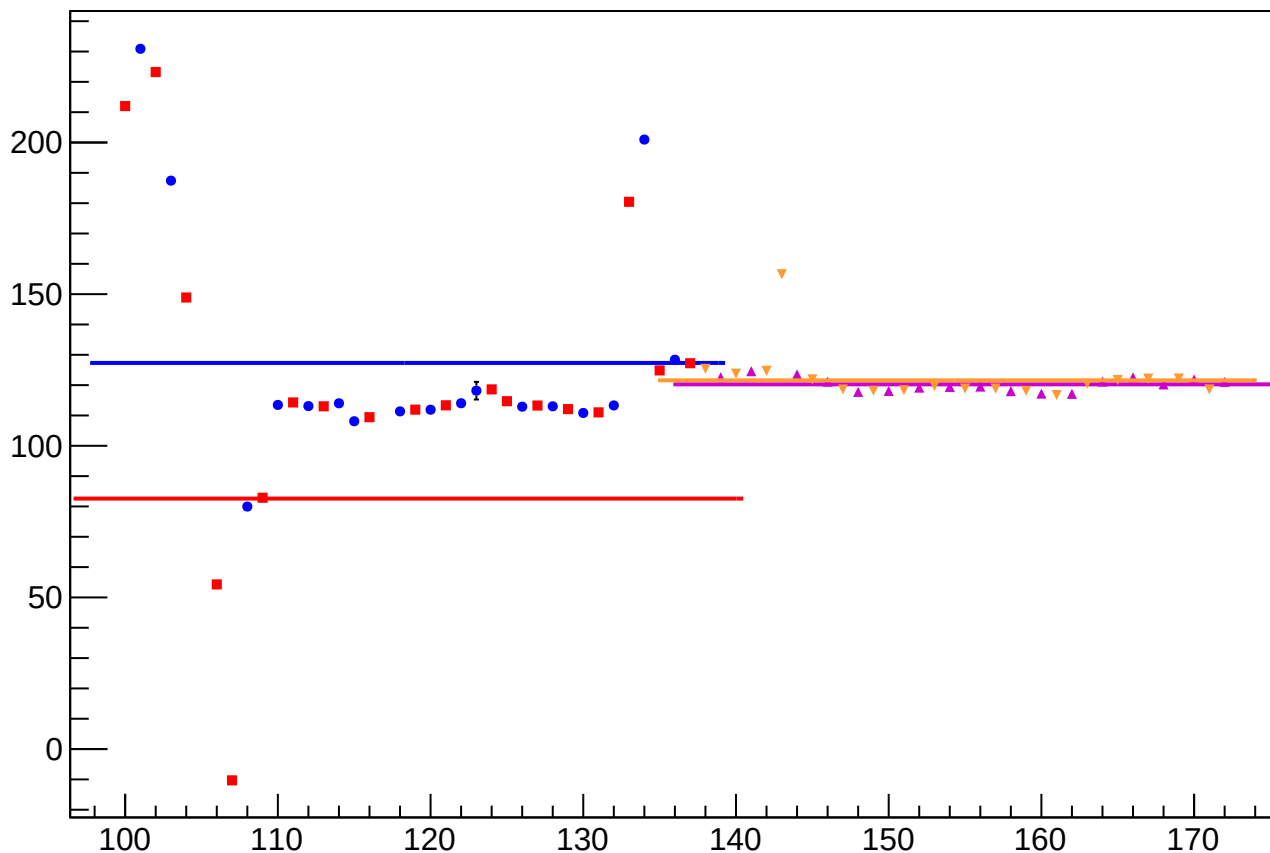
Left In: -71.260 ± 0.959 χ^2/NDF : 360.6/16

+ sign -82.038 ± 0.813 χ^2/NDF : 1454.3/34

All: -79.280 ± 0.569 χ^2/NDF : 2909.9/70

- sign -76.633 ± 0.797 χ^2/NDF : 1433.1/35

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 121.585 $\pm$ 0.046 χ^2 /NDF: 23933.3/17

Right Out: 82.595 $\pm$ 0.075 χ^2 /NDF: 765022.5/18

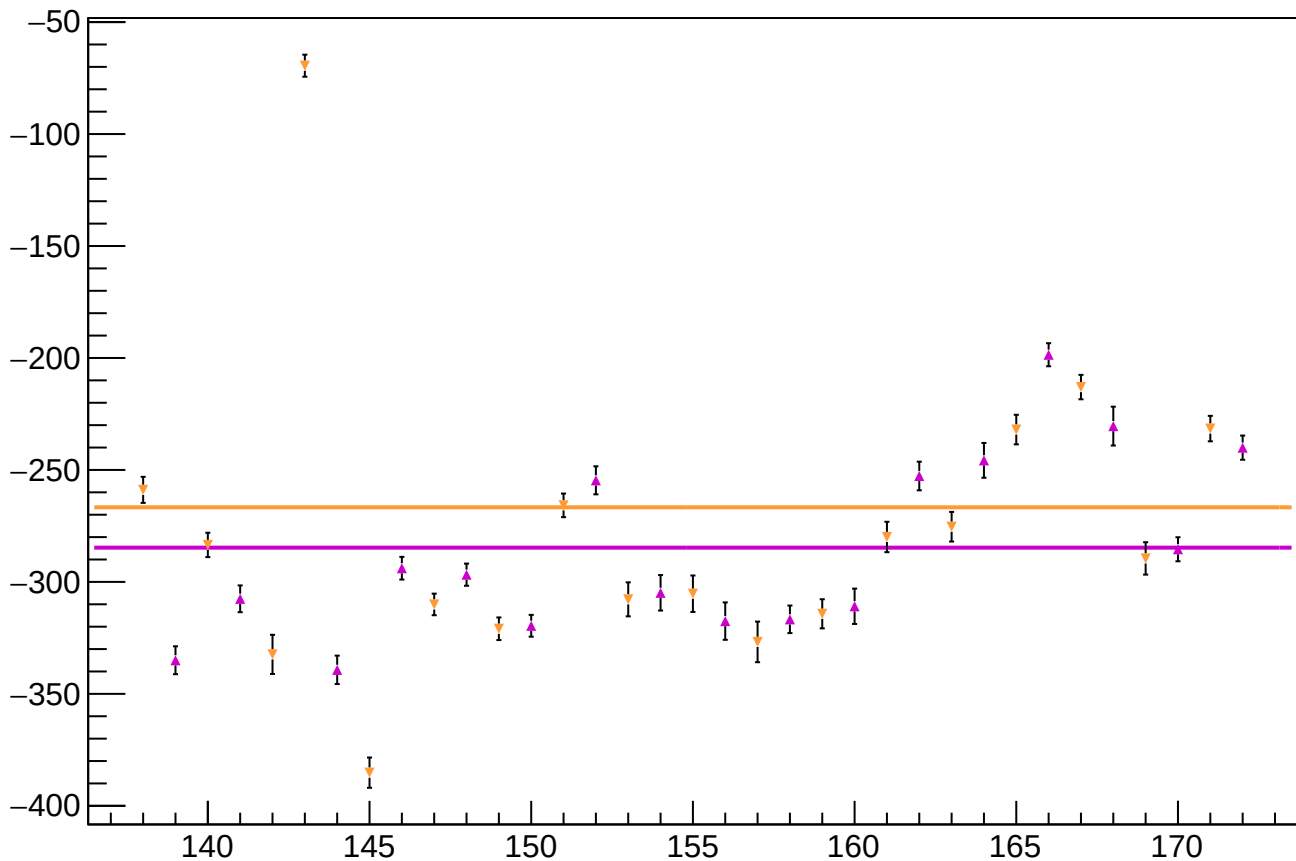
Left In: 120.264 $\pm$ 0.045 χ^2 /NDF: 2532.5/16

+ sign 122.775 $\pm$ 0.041 χ^2 /NDF: 214971.9/34

All: 116.223 $\pm$ 0.028 χ^2 /NDF: 1215405.9/70

- sign 110.270 $\pm$ 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: -266.690+/-1.448 χ^2/NDF : 2503.0/17

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

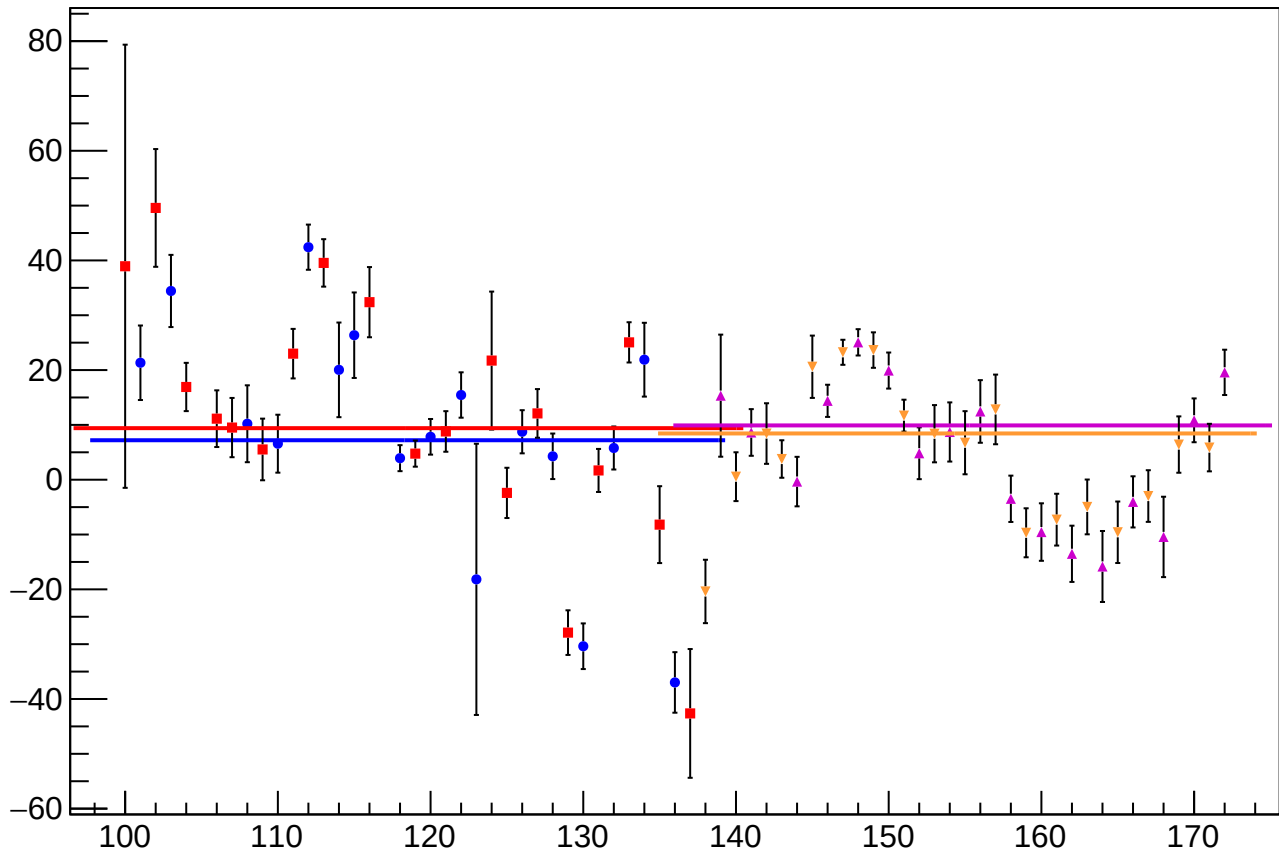
Left In: -284.706+/-1.475 χ^2/NDF : 734.4/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -275.529+/-1.033 χ^2/NDF : 3313.4/34

- 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: 8.437 ± 0.986 χ^2/NDF : 151.8/17

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

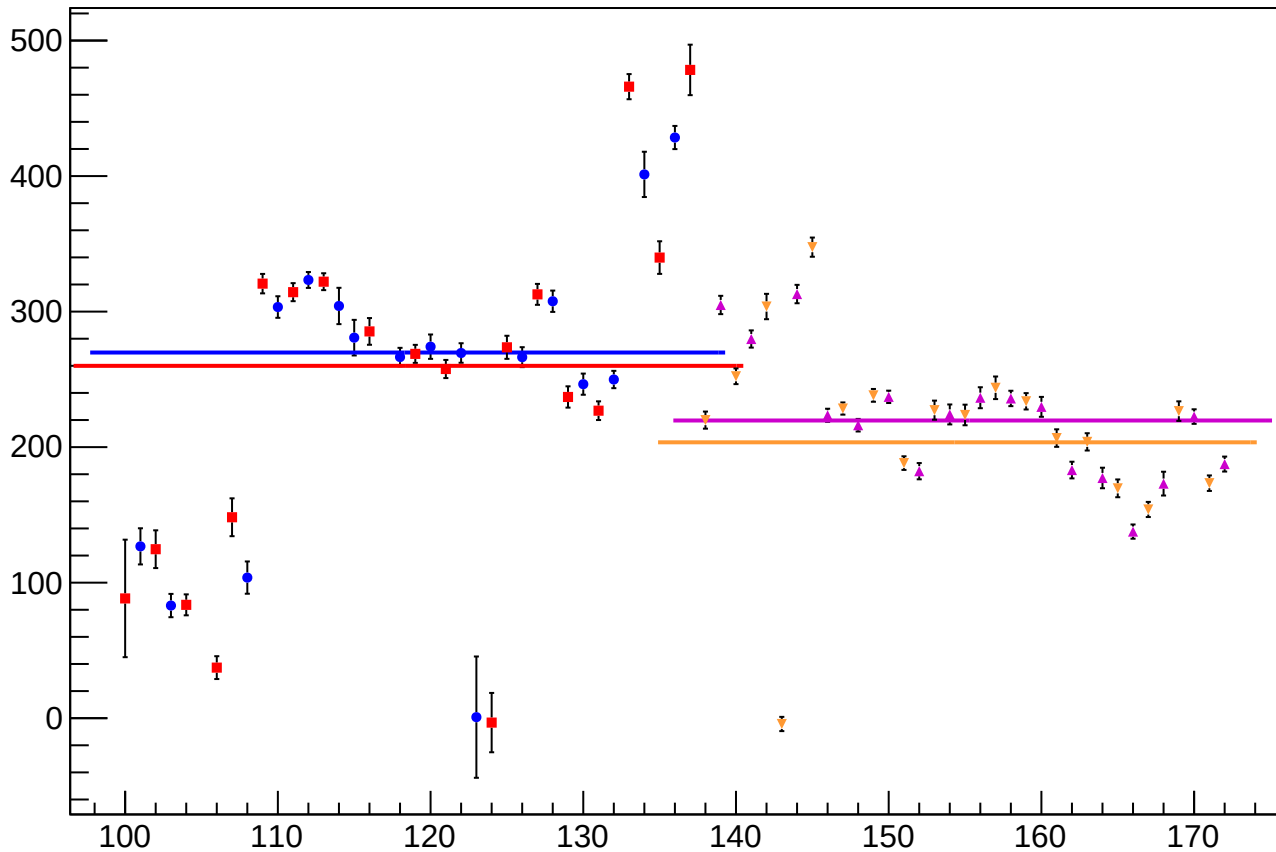
Left In: 9.903 ± 1.029 χ^2/NDF : 140.9/16

+ sign 7.888 ± 0.735 χ^2/NDF : 413.4/34

All: 8.767 ± 0.522 χ^2/NDF : 789.4/70

- 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: 203.554 $\pm$ 1.430 χ^2 /NDF: 2473.7/17

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

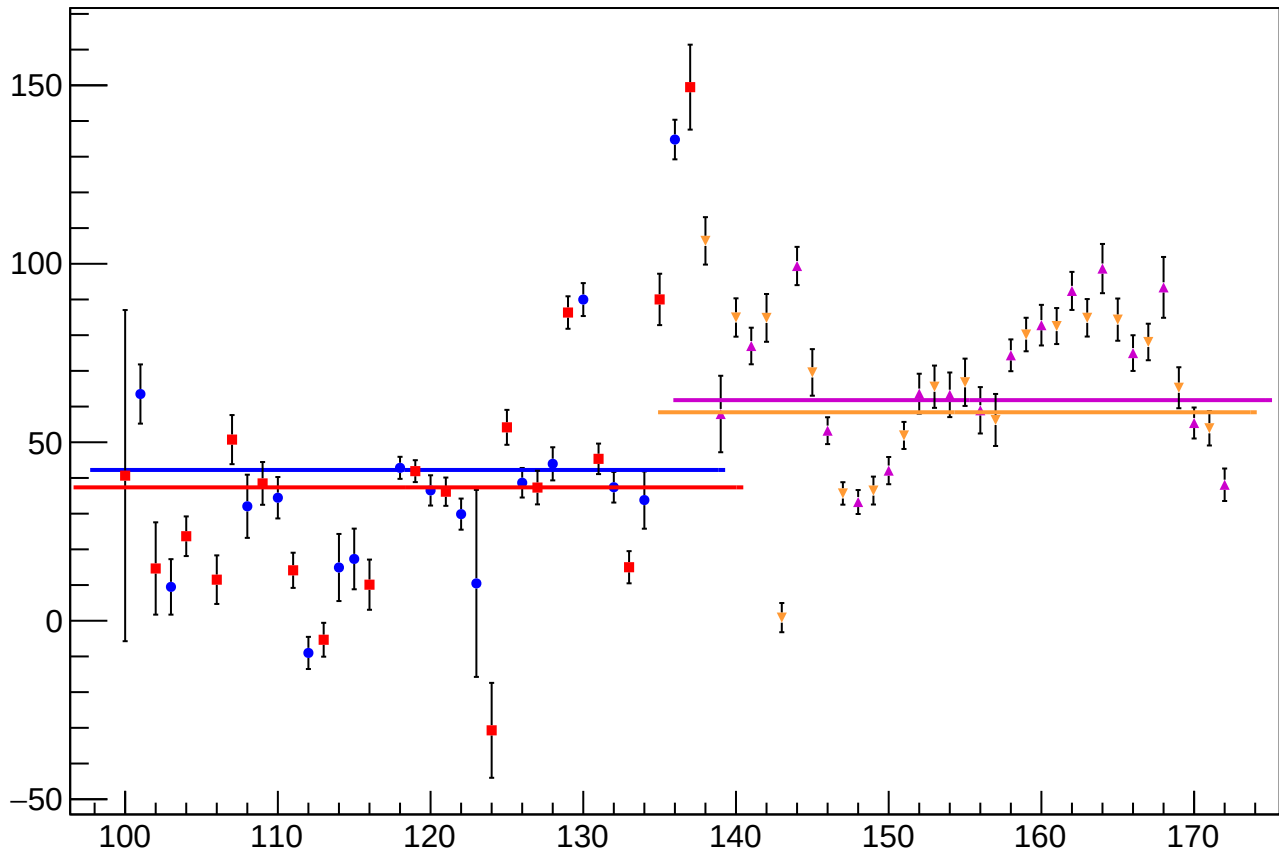
Left In: 219.656 $\pm$ 1.445 χ^2 /NDF: 880.6/16

+ sign 224.688 $\pm$ 1.180 χ^2 /NDF: 4532.7/34

All: 229.246 $\pm$ 0.830 χ^2 /NDF: 8252.6/70

- 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: 58.404 $\pm$ 1.170 χ^2 /NDF: 488.8/17

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

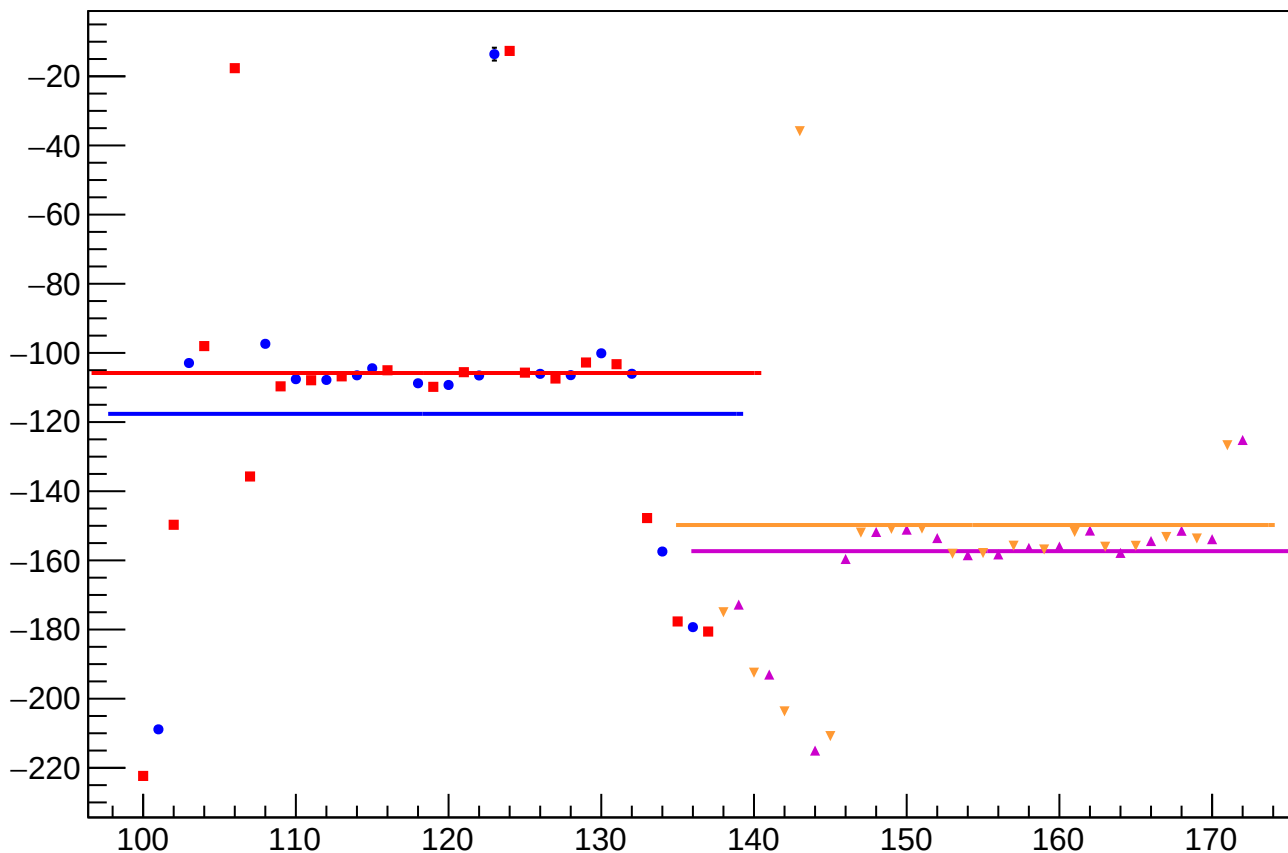
Left In: 61.802 $\pm$ 1.209 χ^2 /NDF: 295.7/16

+ sign 51.004 $\pm$ 0.862 χ^2 /NDF: 1150.5/34

All: 50.421 $\pm$ 0.610 χ^2 /NDF: 2119.3/70

- 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: -149.773+/-0.057 χ^2/NDF : 418057.8/17

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

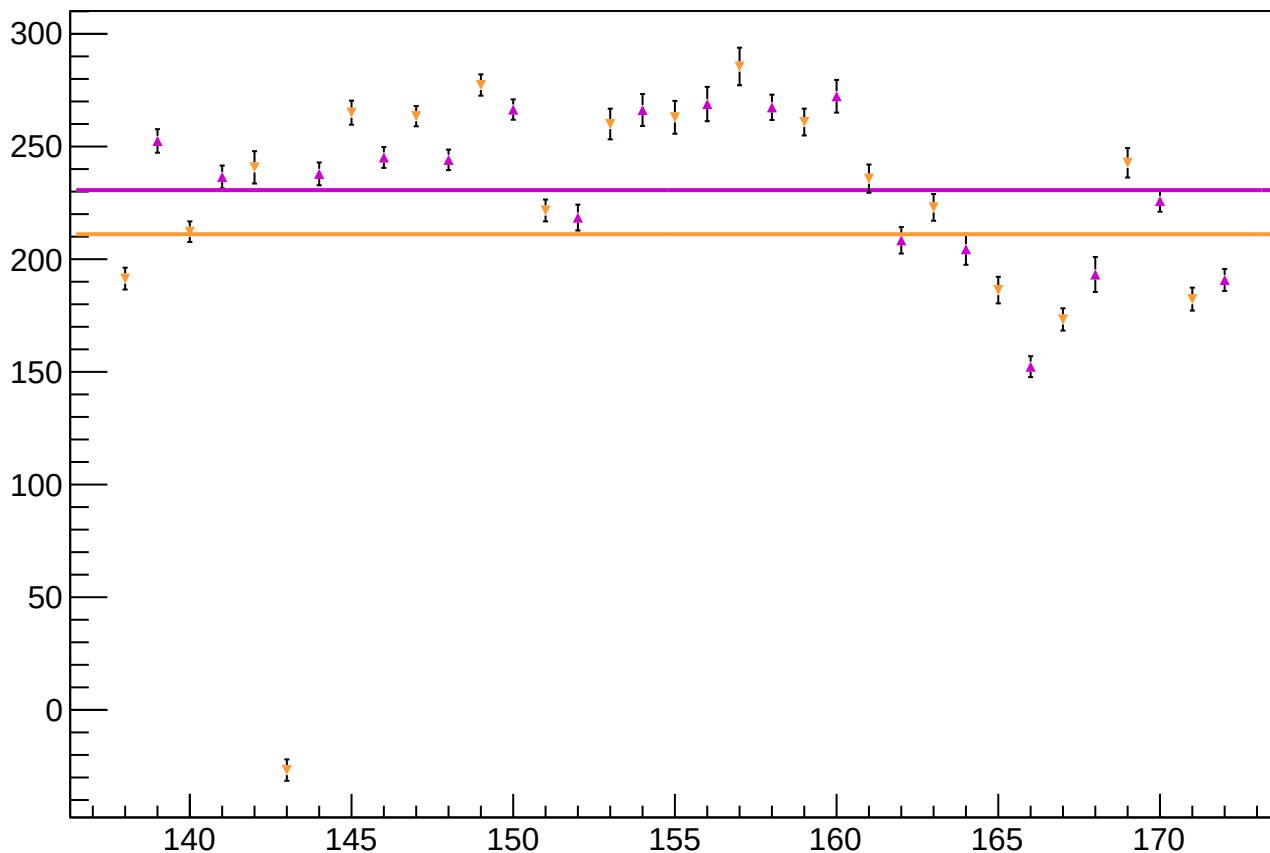
Left In: -157.332+/-0.057 χ^2/NDF : 91762.4/16

+ sign -138.714+/-0.046 χ^2/NDF : 669870.5/34

All: -138.216+/-0.032 χ^2/NDF : 1395334.6/70

- 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: 211.089+/-1.298 χ^2/NDF : 3376.3/17

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

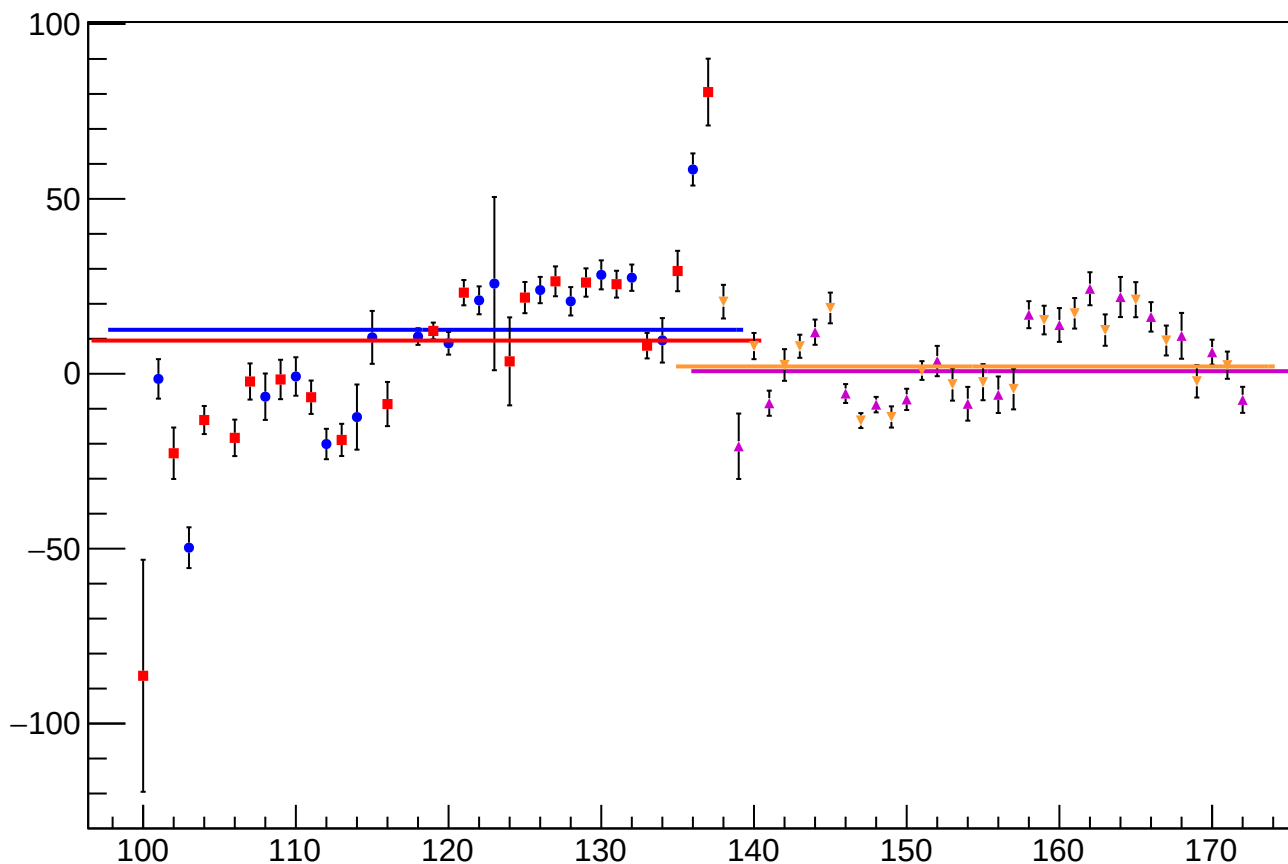
Left In: 230.661+/-1.318 χ^2/NDF : 637.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 220.724+/-0.925 χ^2/NDF : 4125.4/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 2.095 $\pm$ 0.892 χ^2 /NDF:159.8/17

Right Out: 9.493 $\pm$ 1.047 χ^2 /NDF: 295.8/18

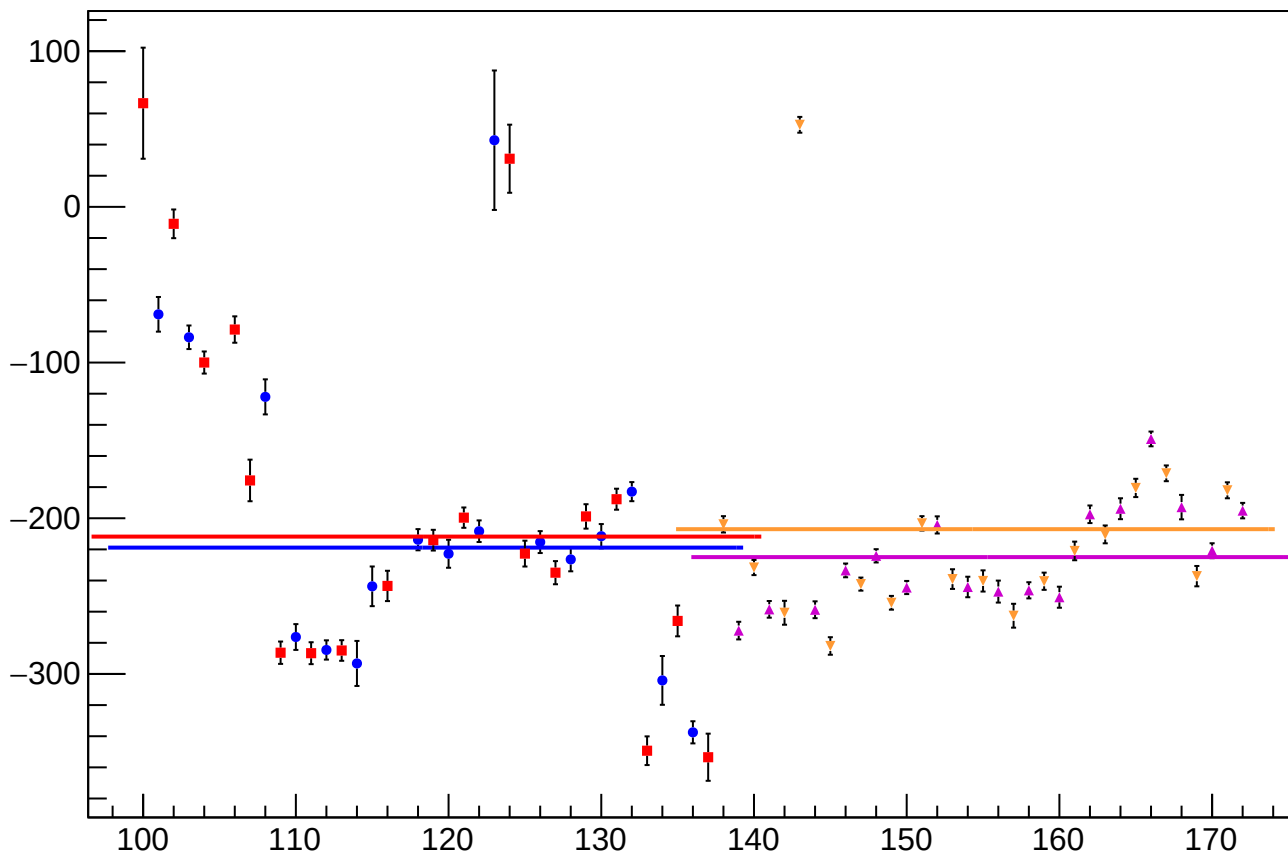
Left In: 0.738 $\pm$ 0.927 χ^2 /NDF:145.3/16

+ sign 6.374 $\pm$ 0.686 χ^2 /NDF: 564.1/34

All: 5.488 $\pm$ 0.488 χ^2 /NDF: 1047.8/70

- sign 4.582 $\pm$ 0.694 χ^2 /NDF: 480.3/35

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -207.013 ± 1.286 χ^2/NDF : 3316.3/17

Right Out: -211.780 ± 1.924 χ^2/NDF : 1885.2/18

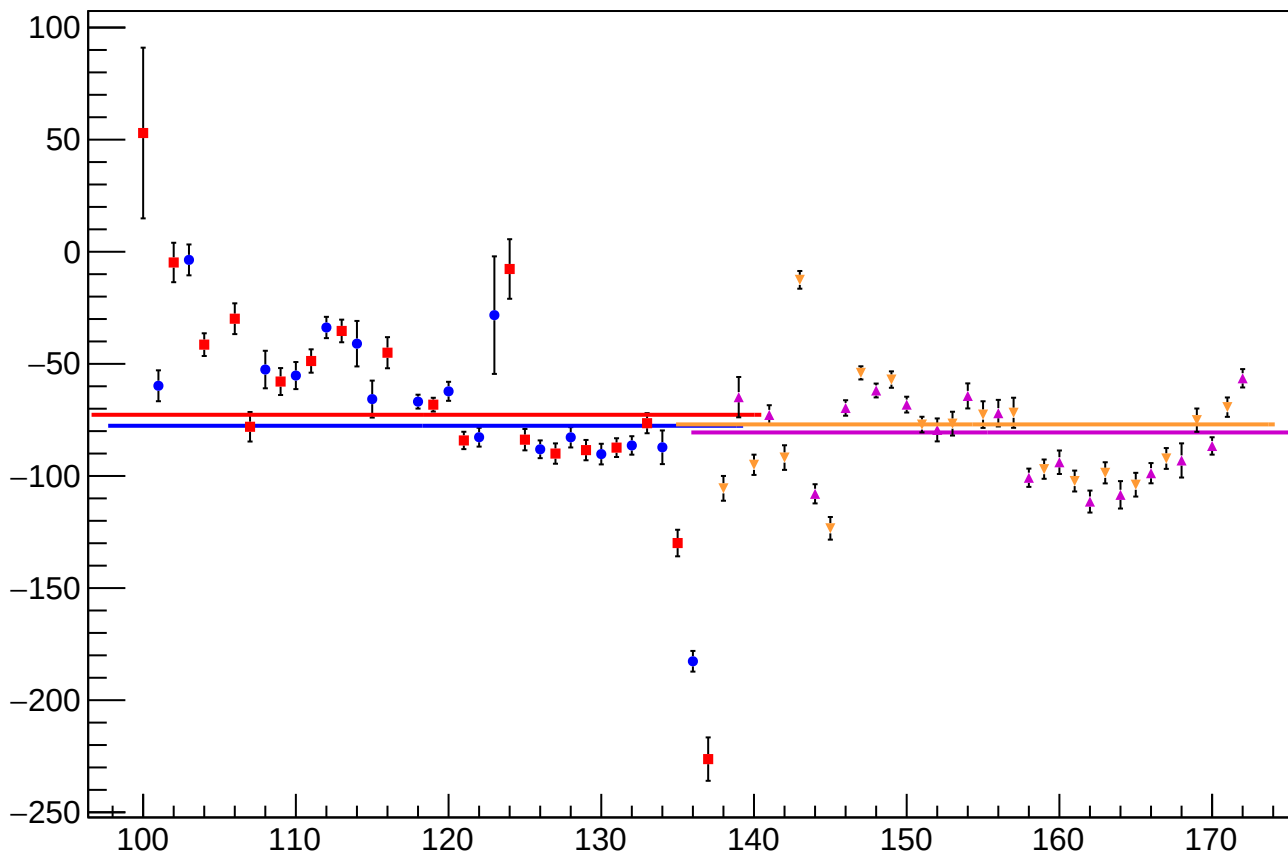
Left In: -224.952 ± 1.296 χ^2/NDF : 592.3/16

+ sign -210.423 ± 1.085 χ^2/NDF : 4487.3/34

All: -215.683 ± 0.764 χ^2/NDF : 7043.5/70

- sign -220.842 ± 1.075 χ^2/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: -76.998 ± 1.057 χ^2/NDF : 603.9/17

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

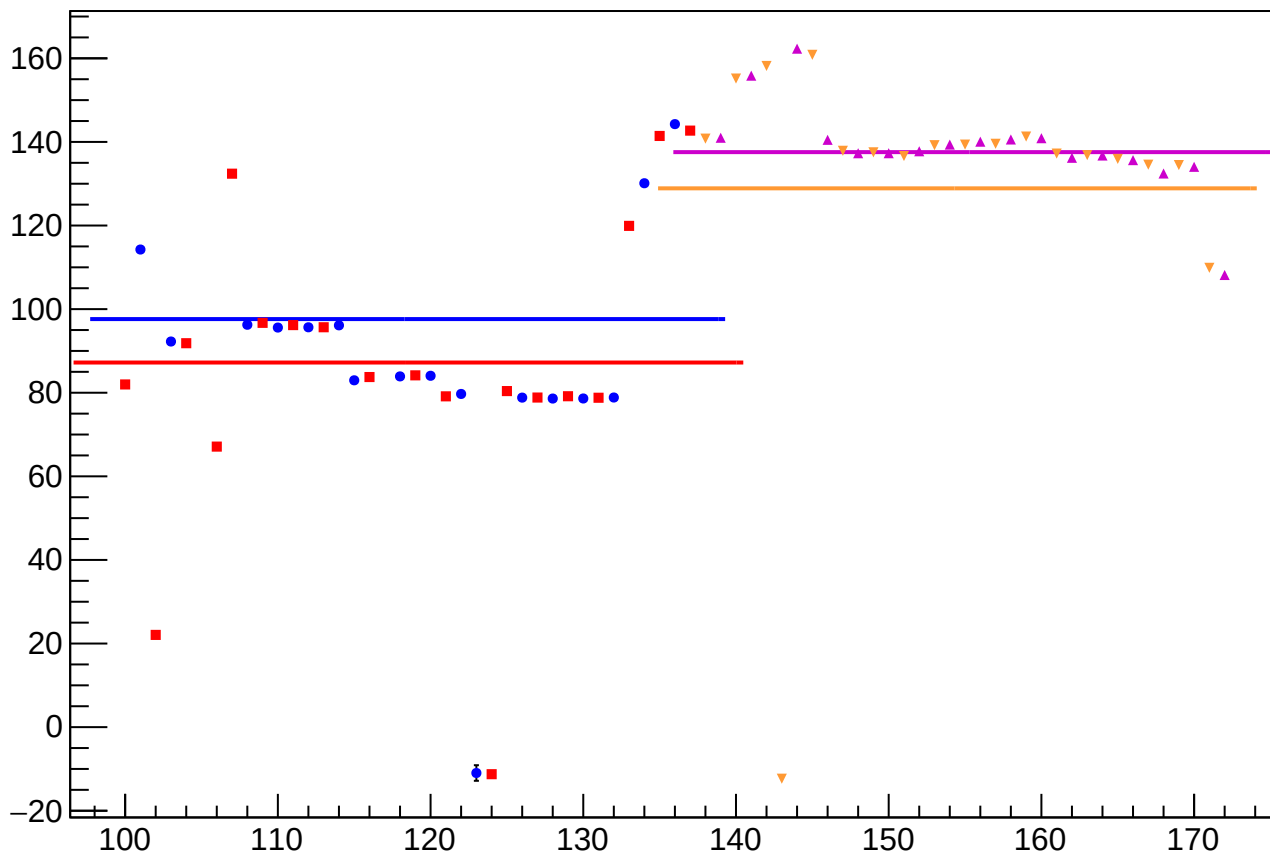
Left In: -80.590 ± 1.087 χ^2/NDF : 264.4/16

+ sign -77.257 ± 0.804 χ^2/NDF : 1420.0/34

All: -77.158 ± 0.570 χ^2/NDF : 2379.3/70

- 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: 128.895 $\pm$ 0.051 χ^2 /NDF: 562758.3/17

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

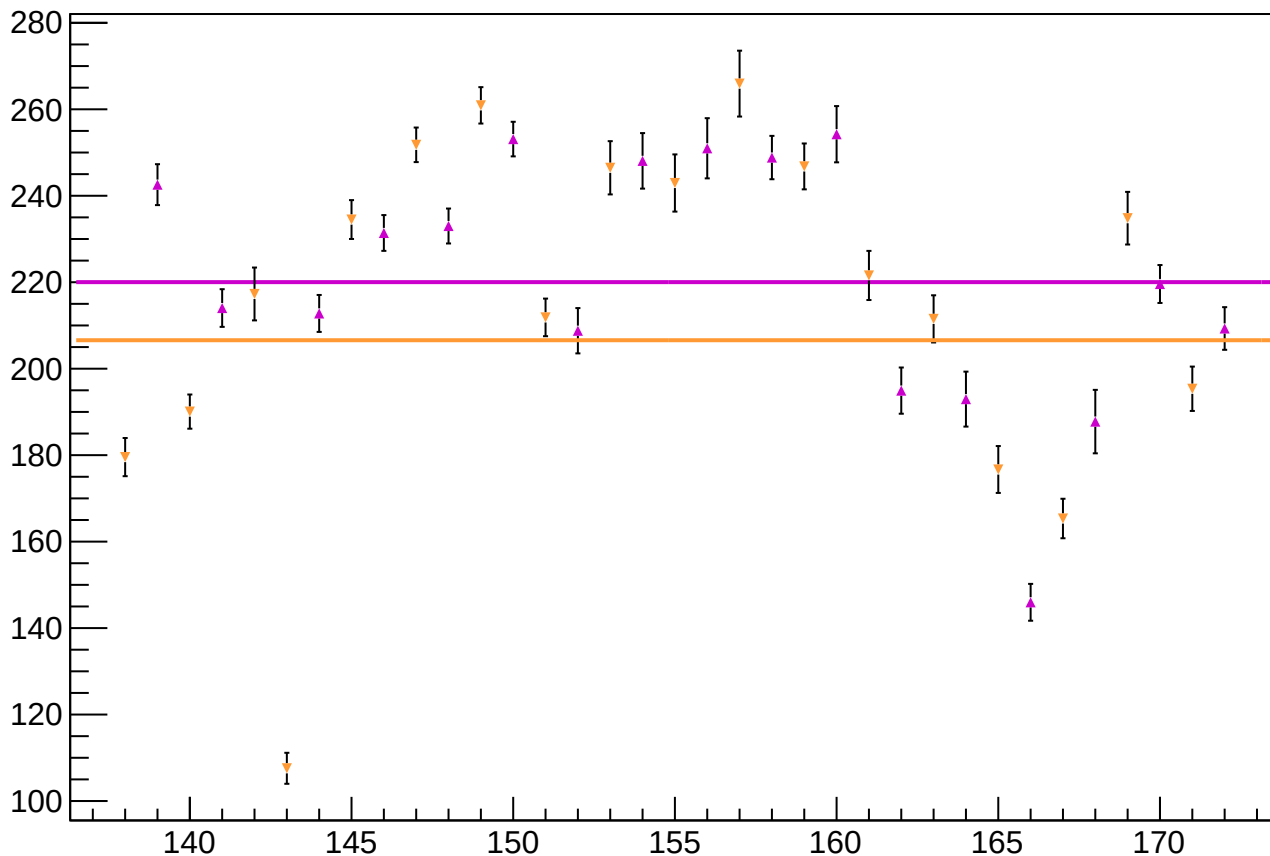
Left In: 137.559 $\pm$ 0.051 χ^2 /NDF: 47874.5/16

+ sign 118.744 $\pm$ 0.042 χ^2 /NDF: 778396.4/34

All: 119.125 $\pm$ 0.029 χ^2 /NDF: 1395696.6/70

- 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: 206.584+/-1.151 χ^2/NDF :1491.5/17

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

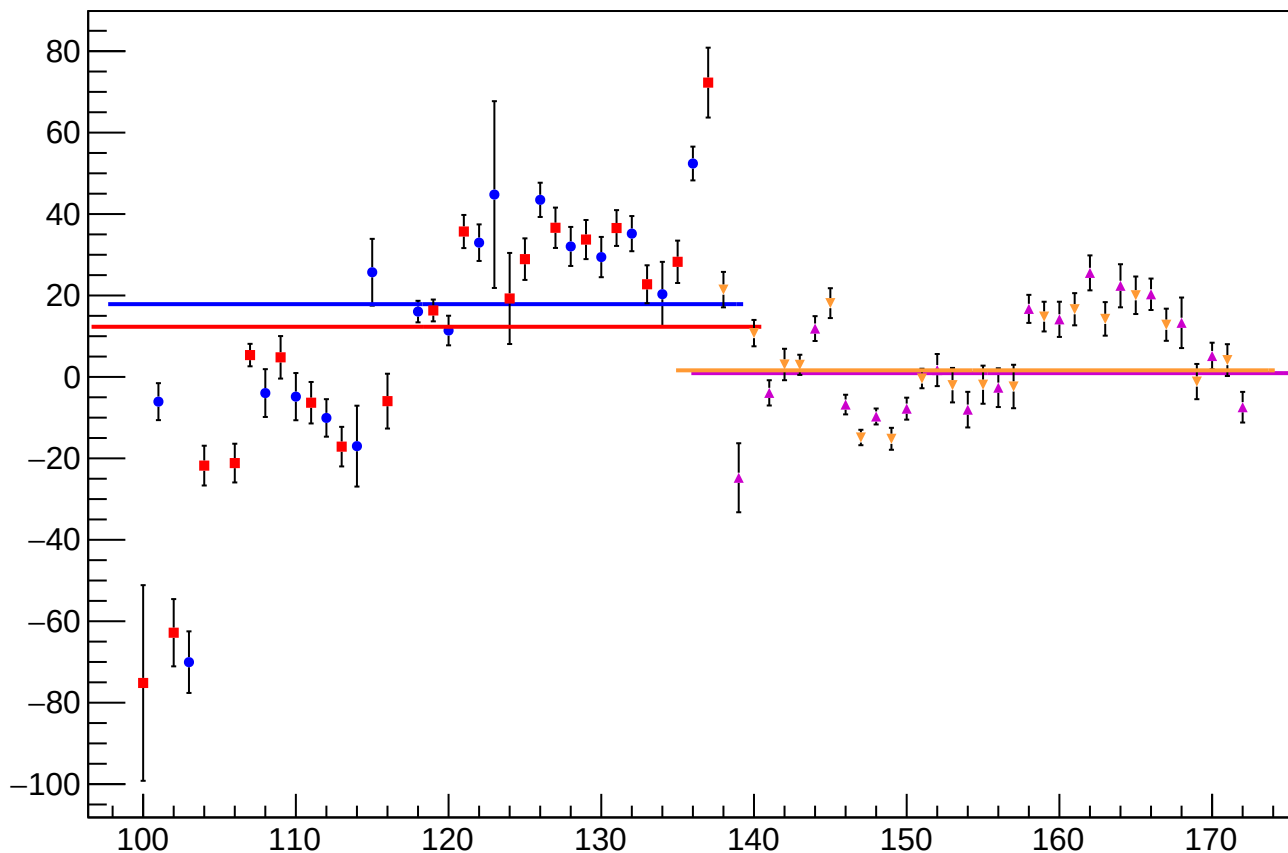
Left In: 220.023+/-1.191 χ^2/NDF :583.9/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 213.077+/-0.828 χ^2/NDF : 2141.3/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 ± 1.166 $\chi^2/\text{NDF}: 395.3/16$

Left Out: 1.618 ± 0.789 $\chi^2/\text{NDF}: 228.5/17$

Right Out: 12.317 ± 1.083 $\chi^2/\text{NDF}: 444.0/18$

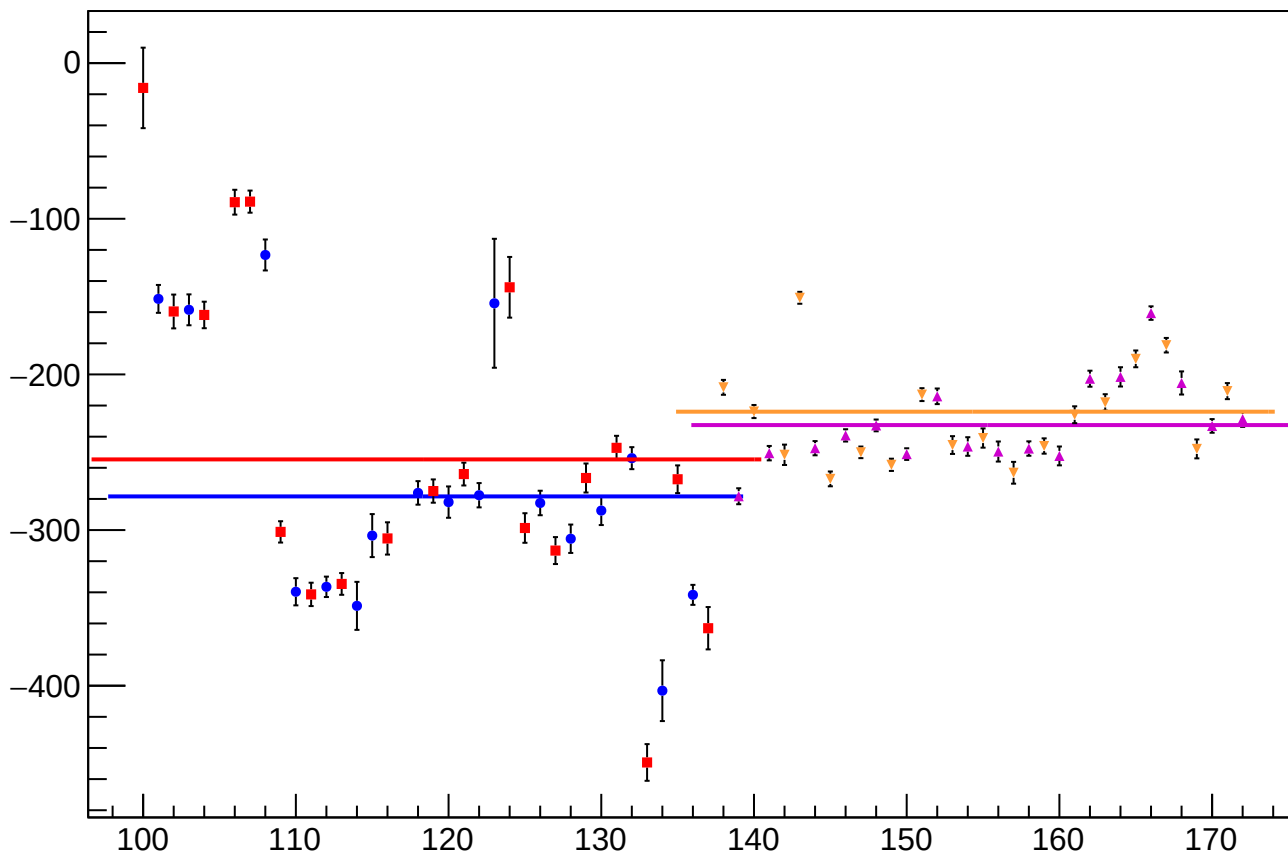
Left In: 0.931 ± 0.833 $\chi^2/\text{NDF}: 194.9/16$

+ sign 6.720 ± 0.653 $\chi^2/\text{NDF}: 757.3/34$

All: 5.949 ± 0.464 $\chi^2/\text{NDF}: 1468.5/70$

- sign 5.162 ± 0.660 $\chi^2/\text{NDF}: 708.4/35$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 $\pm$ 2.185 χ^2 /NDF: 910.6/16

Left Out: -223.943 $\pm$ 1.144 χ^2 /NDF:827.2/17

Right Out: -254.603 $\pm$ 2.020 χ^2 /NDF: 2037.5/18

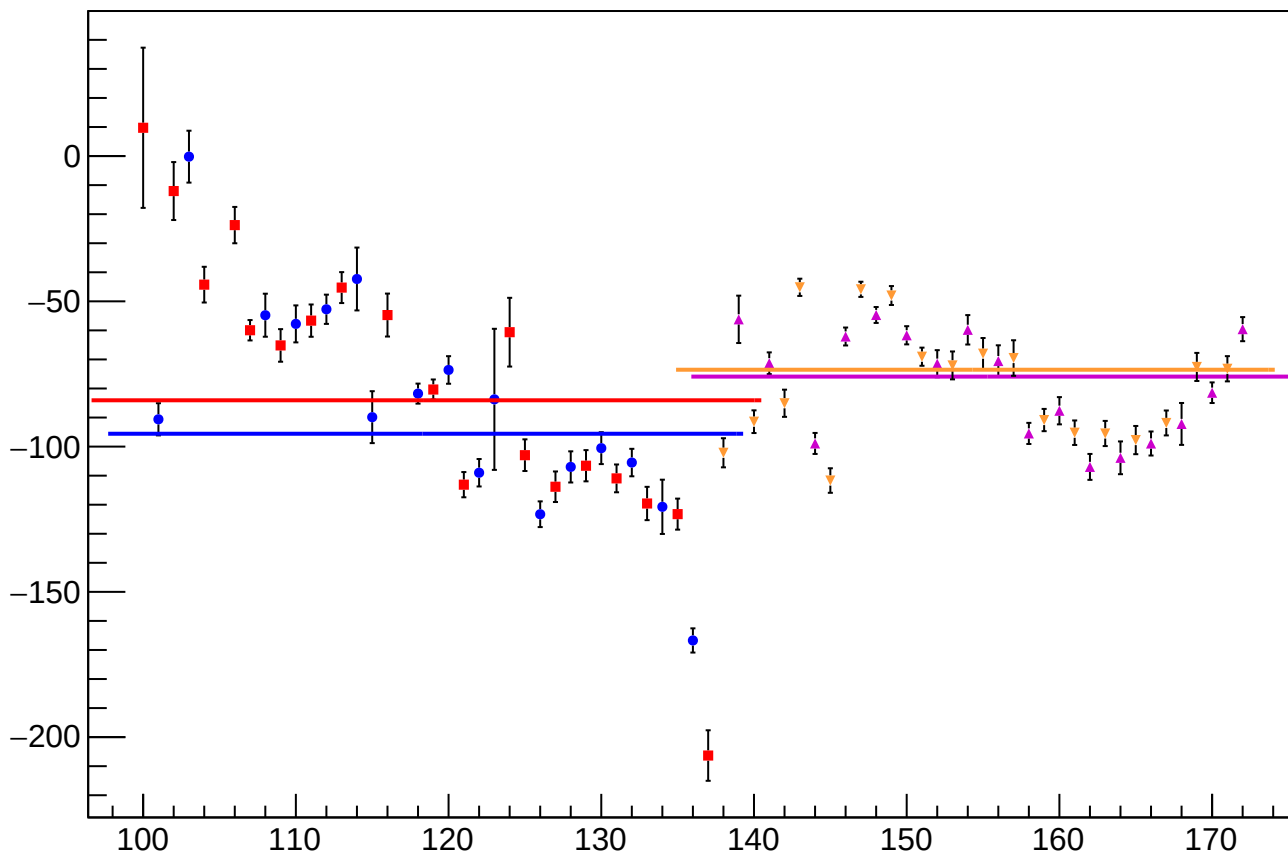
Left In: -232.546 $\pm$ 1.171 χ^2 /NDF:527.1/16

+ sign -235.659 $\pm$ 1.014 χ^2 /NDF: 2224.9/34

All: -236.877 $\pm$ 0.716 χ^2 /NDF: 4881.6/70

- sign -238.093 $\pm$ 1.013 χ^2 /NDF: 2653.8/35

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 $\pm$ 1.340 χ^2/NDF : 671.2/16

Left Out: -73.540 $\pm$ 0.937 χ^2/NDF : 525.6/17

Right Out: -84.062 $\pm$ 1.257 χ^2/NDF : 783.2/18

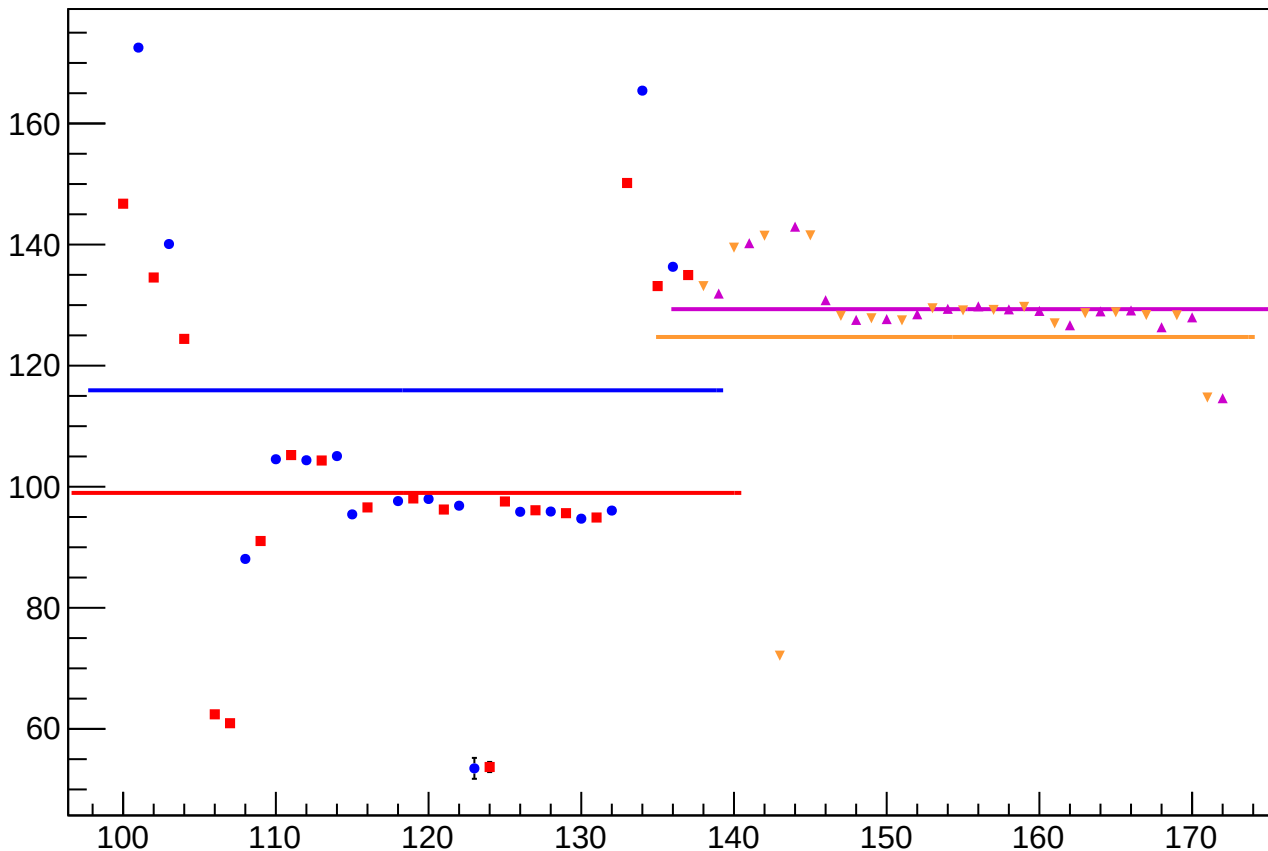
Left In: -75.906 $\pm$ 0.980 χ^2/NDF : 322.9/16

+ sign -80.774 $\pm$ 0.768 χ^2/NDF : 1378.3/34

All: -79.888 $\pm$ 0.545 χ^2/NDF : 2513.3/70

- sign -78.991 $\pm$ 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: 124.735 $\pm$ 0.046 χ^2 /NDF: 145680.8/17

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

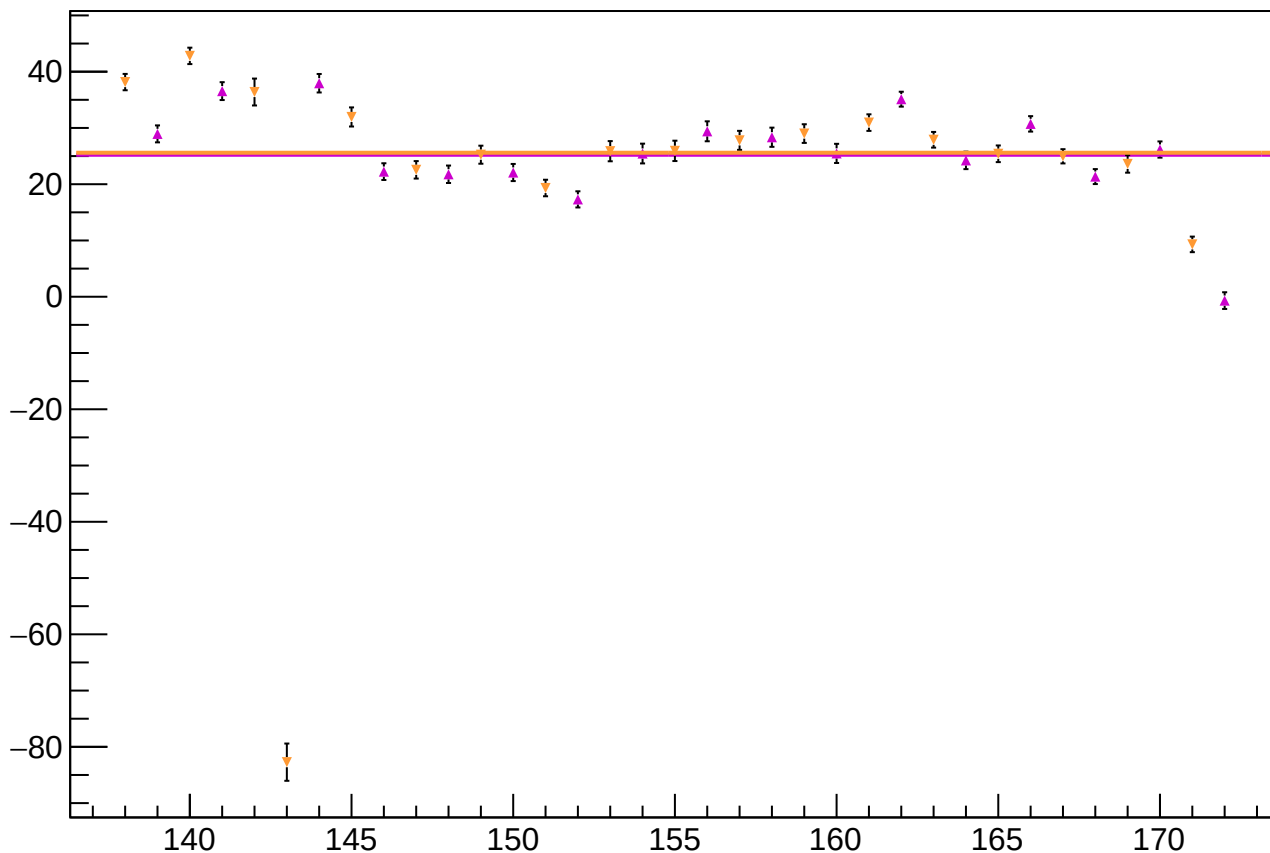
Left In: 129.331 $\pm$ 0.046 χ^2 /NDF: 15688.3/16

+ sign 122.508 $\pm$ 0.039 χ^2 /NDF: 260897.3/34

All: 121.126 $\pm$ 0.028 χ^2 /NDF: 586521.9/70

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 25.594+/-0.374 χ^2/NDF :1503.5/17

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

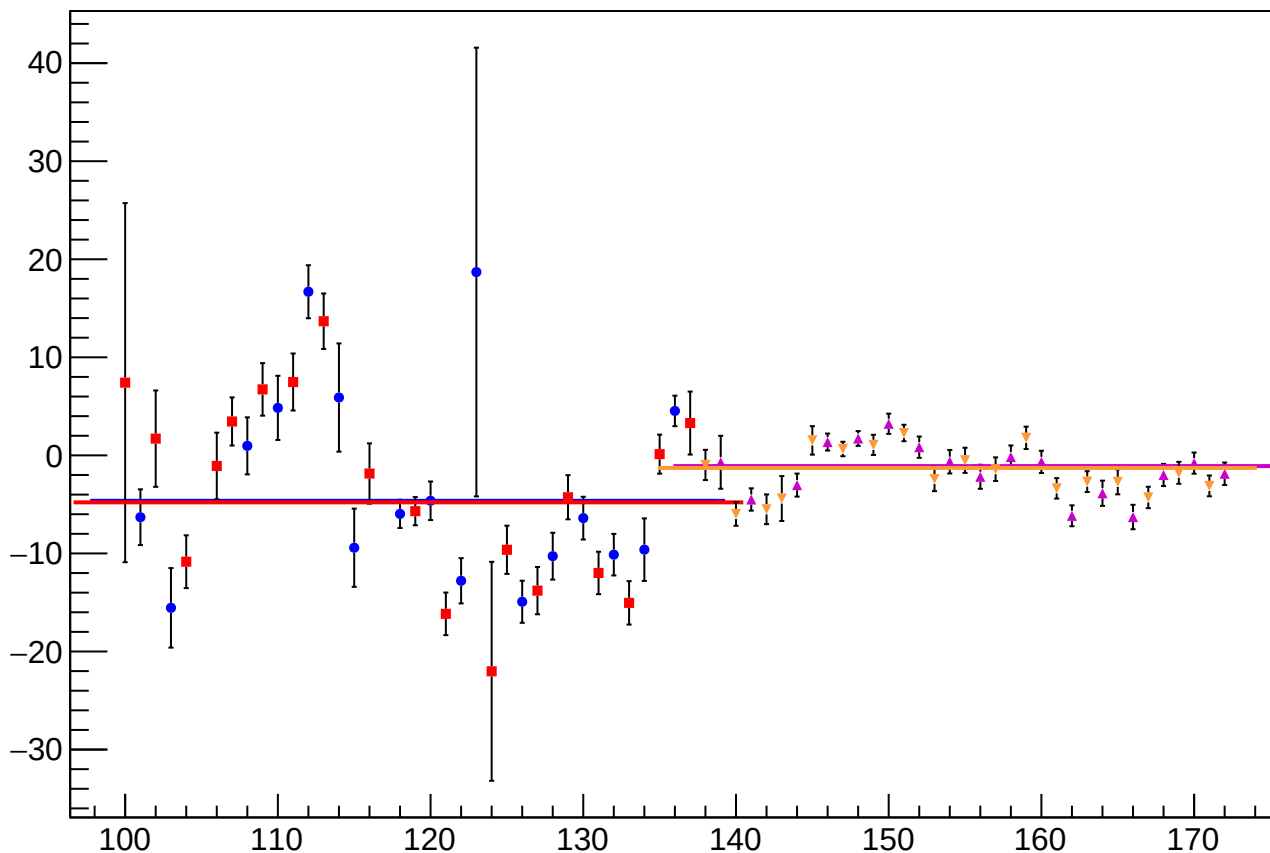
Left In: 25.233+/-0.369 χ^2/NDF :555.5/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 25.411+/-0.263 χ^2/NDF : 2059.5/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -1.280 ± 0.266 χ^2/NDF : 84.8/17

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

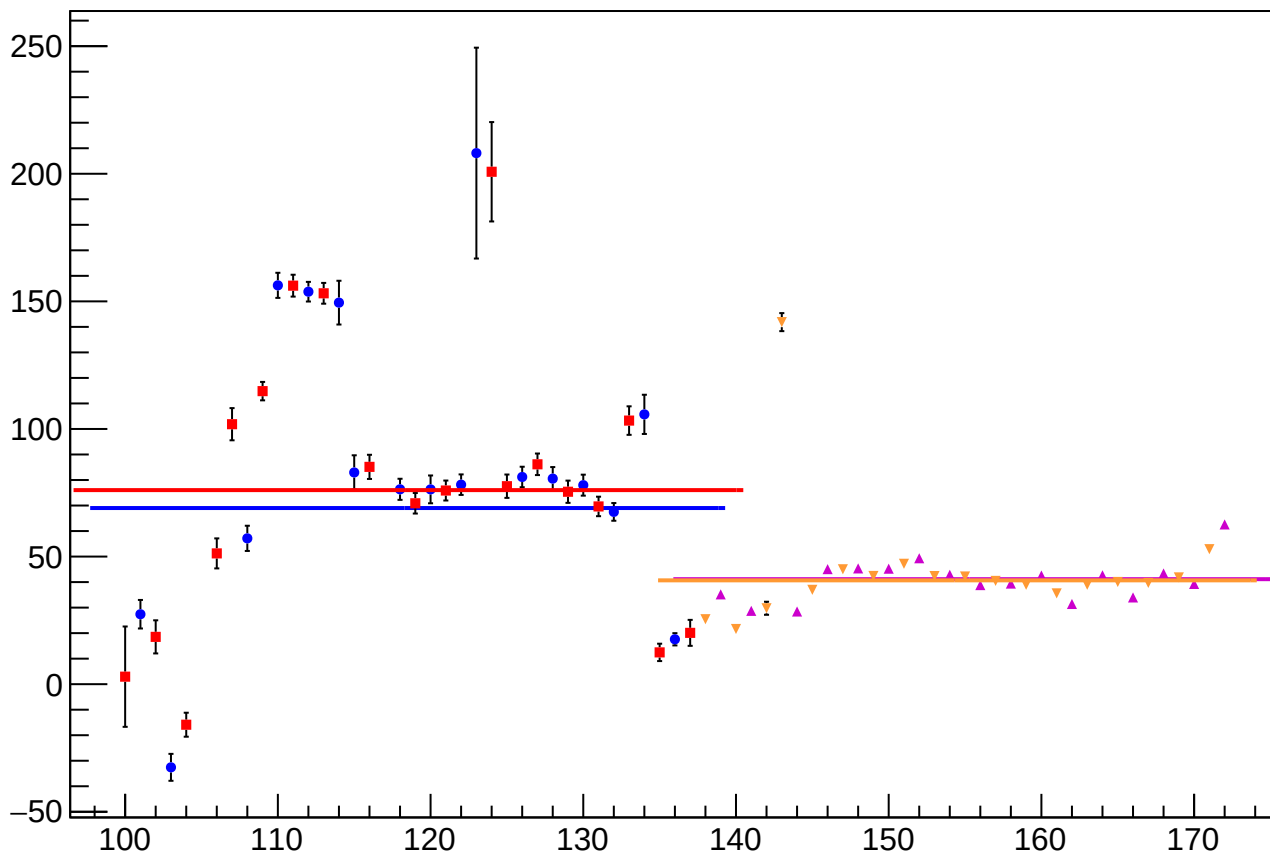
Left In: -1.093 ± 0.268 χ^2/NDF : 101.9/16

+ sign -1.853 ± 0.243 χ^2/NDF : 286.3/34

All: -1.795 ± 0.172 χ^2/NDF : 613.9/70

- sign -1.736 ± 0.244 χ^2/NDF : 327.4/35

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019+/-1.083 χ^2 /NDF: 1848.0/16

Left Out: 40.683+/-0.368 χ^2 /NDF:1214.1/17

Right Out: 76.041+/-1.070 χ^2 /NDF: 1881.9/18

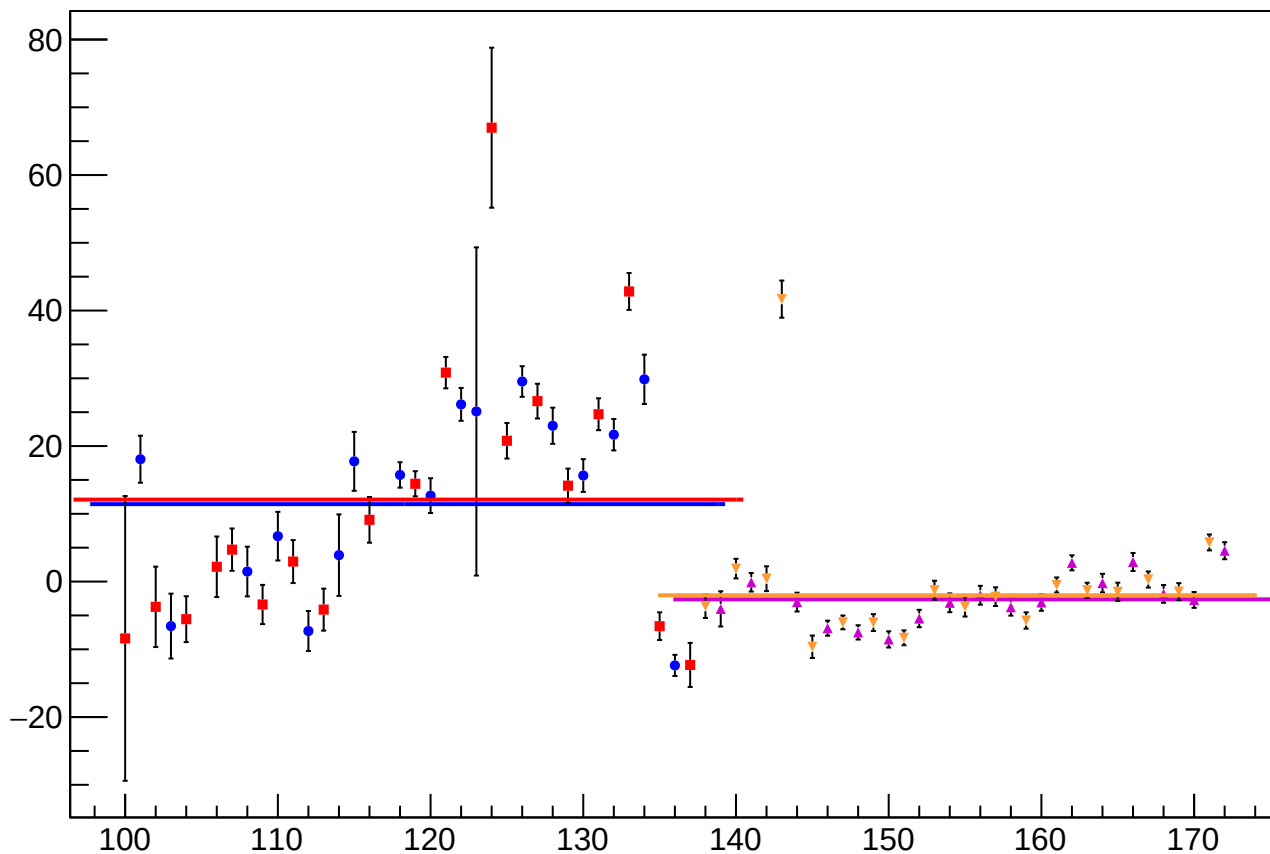
Left In: 41.145+/-0.362 χ^2 /NDF:474.3/16

+ sign 43.614+/-0.348 χ^2 /NDF: 3675.4/34

All: 44.183+/-0.245 χ^2 /NDF: 6991.3/70

- sign 44.736+/-0.343 χ^2 /NDF: 3310.6/35

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2 /NDF: 476.8/16

Left Out: -2.019 $\pm$ 0.309 χ^2 /NDF:405.7/17

Right Out: 12.095 $\pm$ 0.664 χ^2 /NDF: 539.1/18

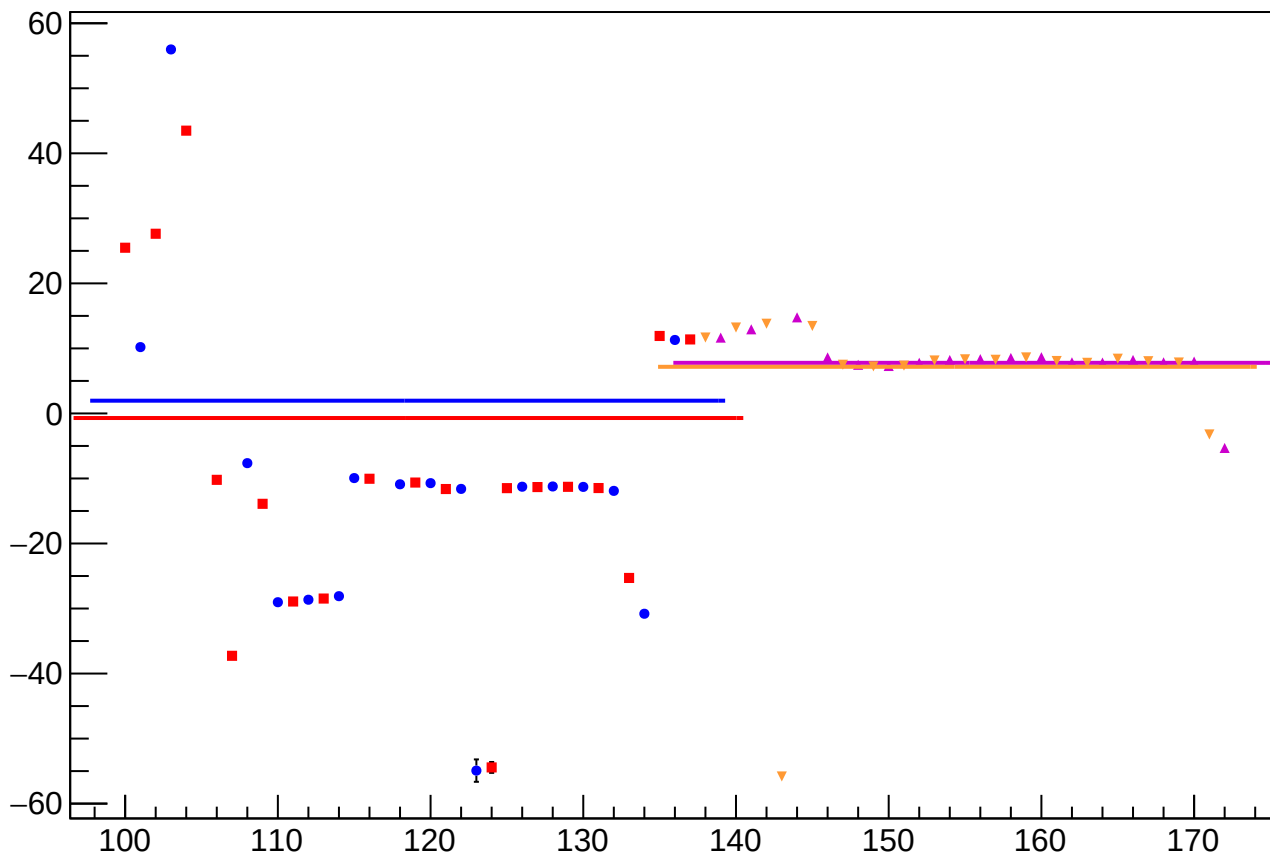
Left In: -2.630 $\pm$ 0.310 χ^2 /NDF:147.4/16

+ sign 0.365 $\pm$ 0.280 χ^2 /NDF: 1218.4/34

All: 0.184 $\pm$ 0.198 χ^2 /NDF: 2309.7/70

- sign 0.002 $\pm$ 0.281 χ^2 /NDF: 1090.5/35

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 ± 0.037 χ^2/NDF : 358457.0/16

Left Out: 7.171 ± 0.014 χ^2/NDF : 271494.7/17

Right Out: -0.704 ± 0.037 χ^2/NDF : 361168.6/18

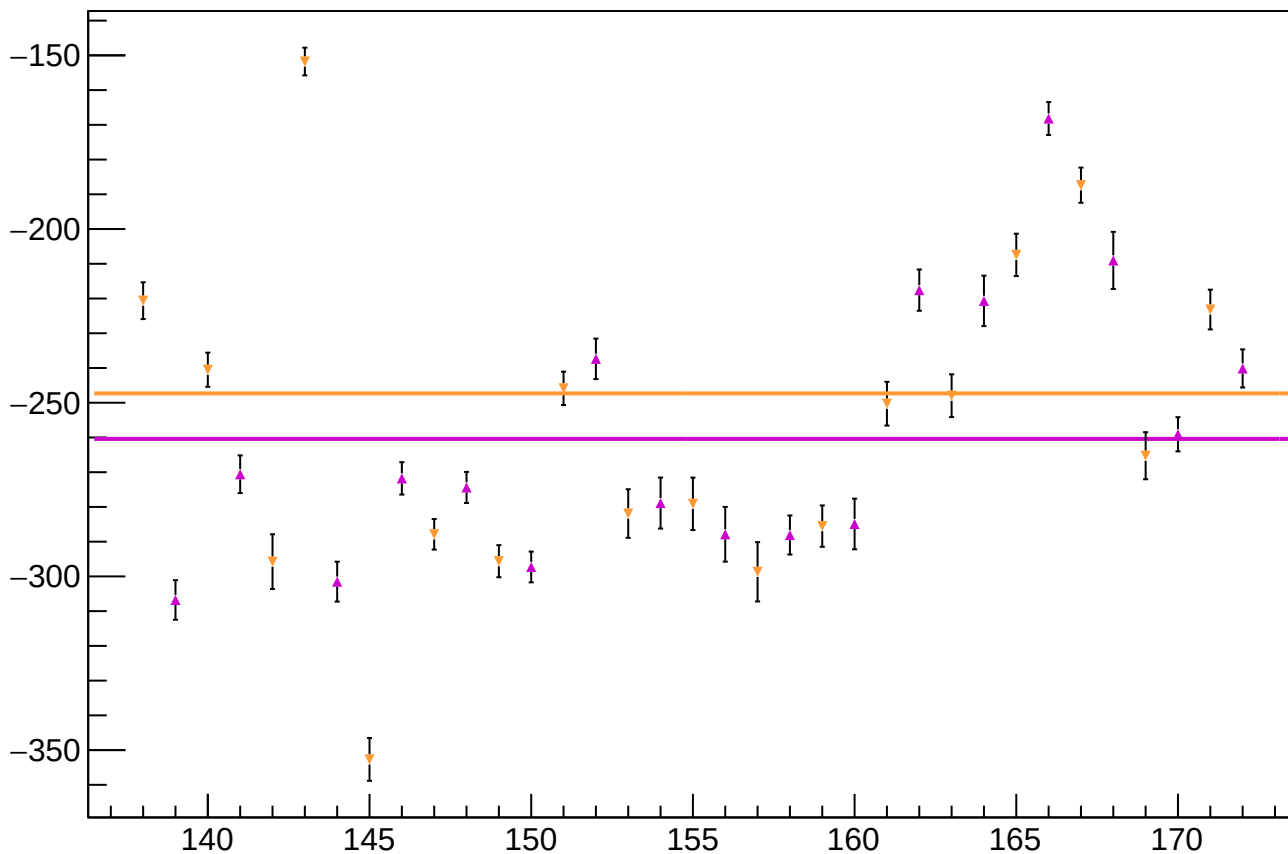
Left In: 7.781 ± 0.014 χ^2/NDF : 79137.8/16

+ sign 6.498 ± 0.013 χ^2/NDF : 647087.8/34

All: 6.607 ± 0.009 χ^2/NDF : 1133189.0/70

- 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: -247.317+/-1.320 χ^2/NDF : 1453.5/17

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

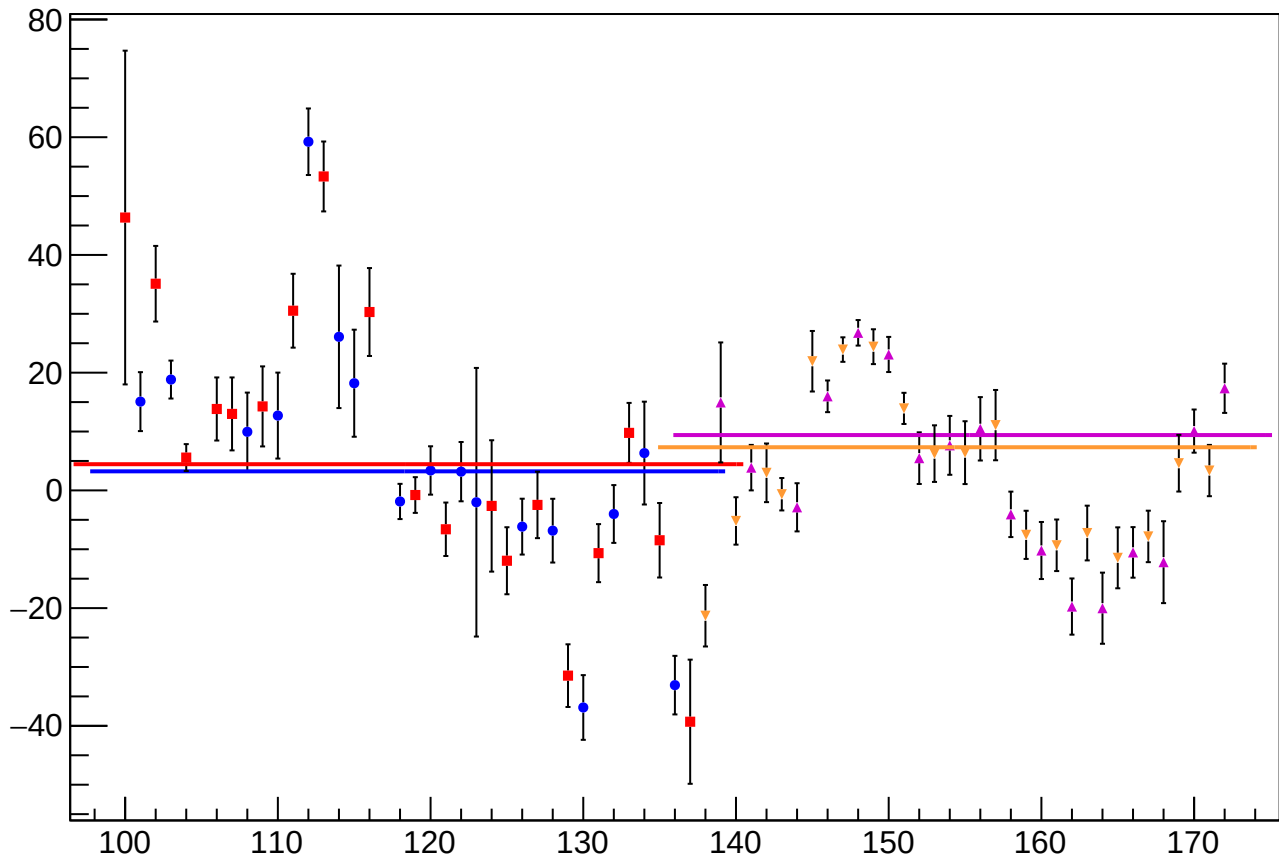
Left In: -260.413+/-1.364 χ^2/NDF : 788.2/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -253.651+/-0.949 χ^2/NDF : 2289.3/34

- 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: 7.331 ± 0.896 χ^2/NDF : 224.3/17

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

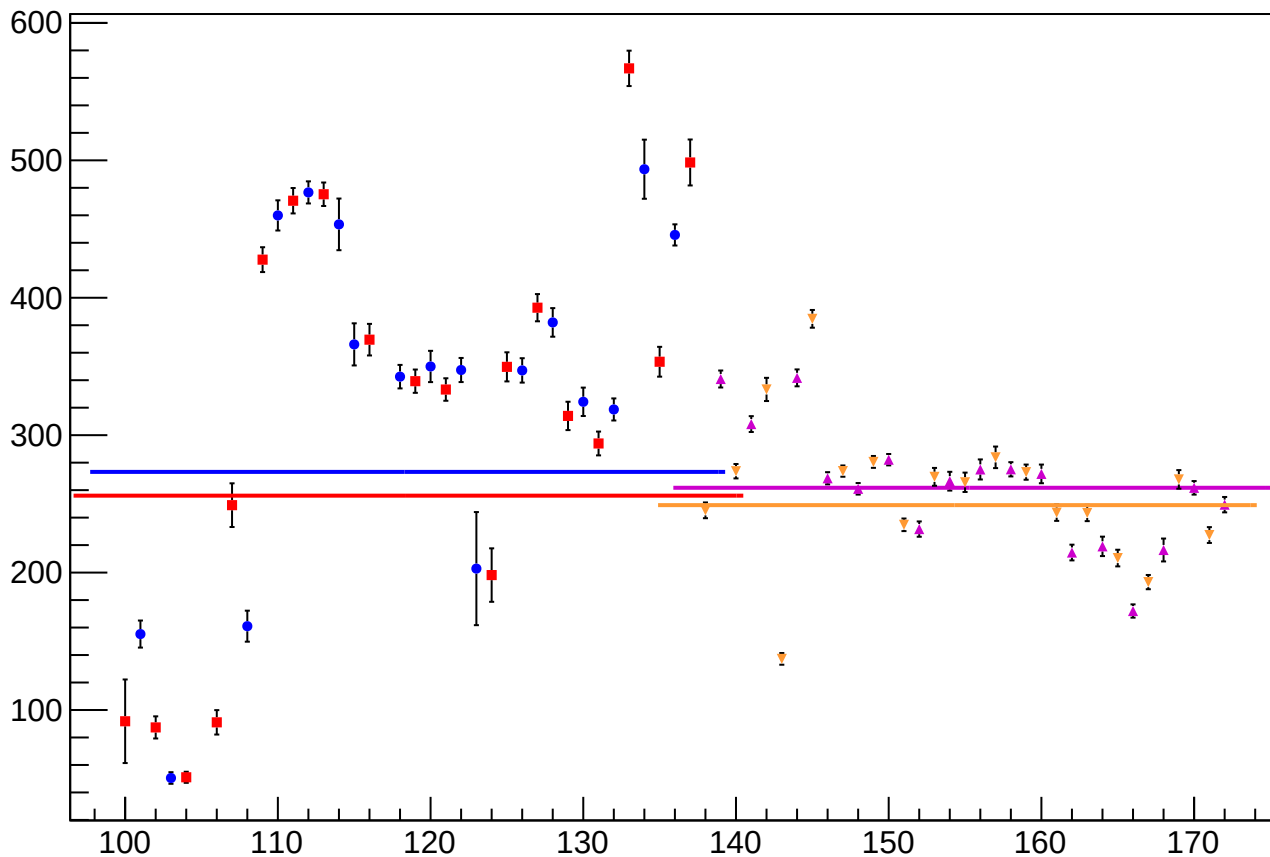
Left In: 9.400 ± 0.948 χ^2/NDF : 227.7/16

+ sign 5.932 ± 0.727 χ^2/NDF : 486.7/34

All: 6.665 ± 0.516 χ^2/NDF : 953.1/70

- 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: 249.087 $\pm$ 1.306 χ^2 /NDF:1587.5/17

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

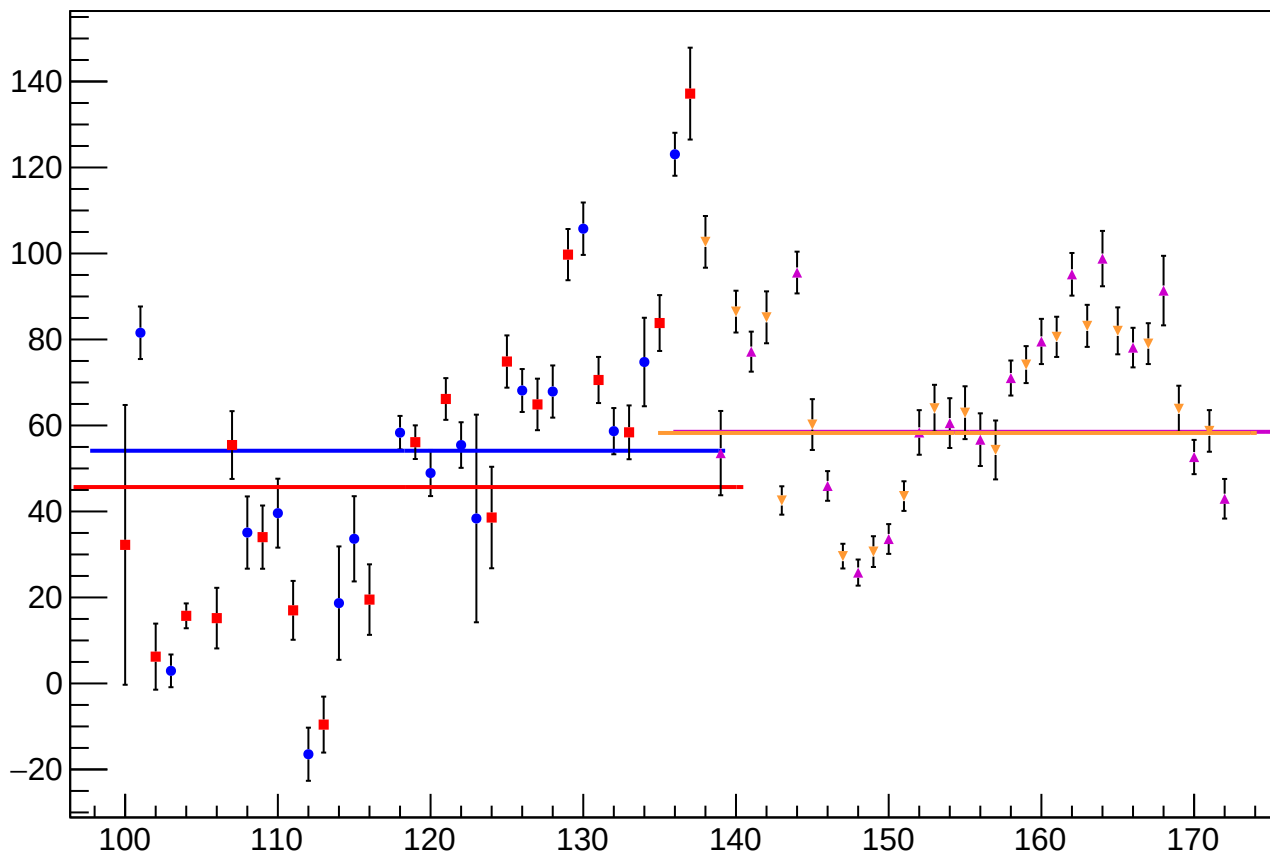
Left In: 261.717 $\pm$ 1.336 χ^2 /NDF:949.6/16

+ sign 255.373 $\pm$ 1.124 χ^2 /NDF: 6778.1/34

All: 257.707 $\pm$ 0.795 χ^2 /NDF: 14180.2/70

- 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: 58.258 $\pm$ 1.066 χ^2 /NDF:411.6/17

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

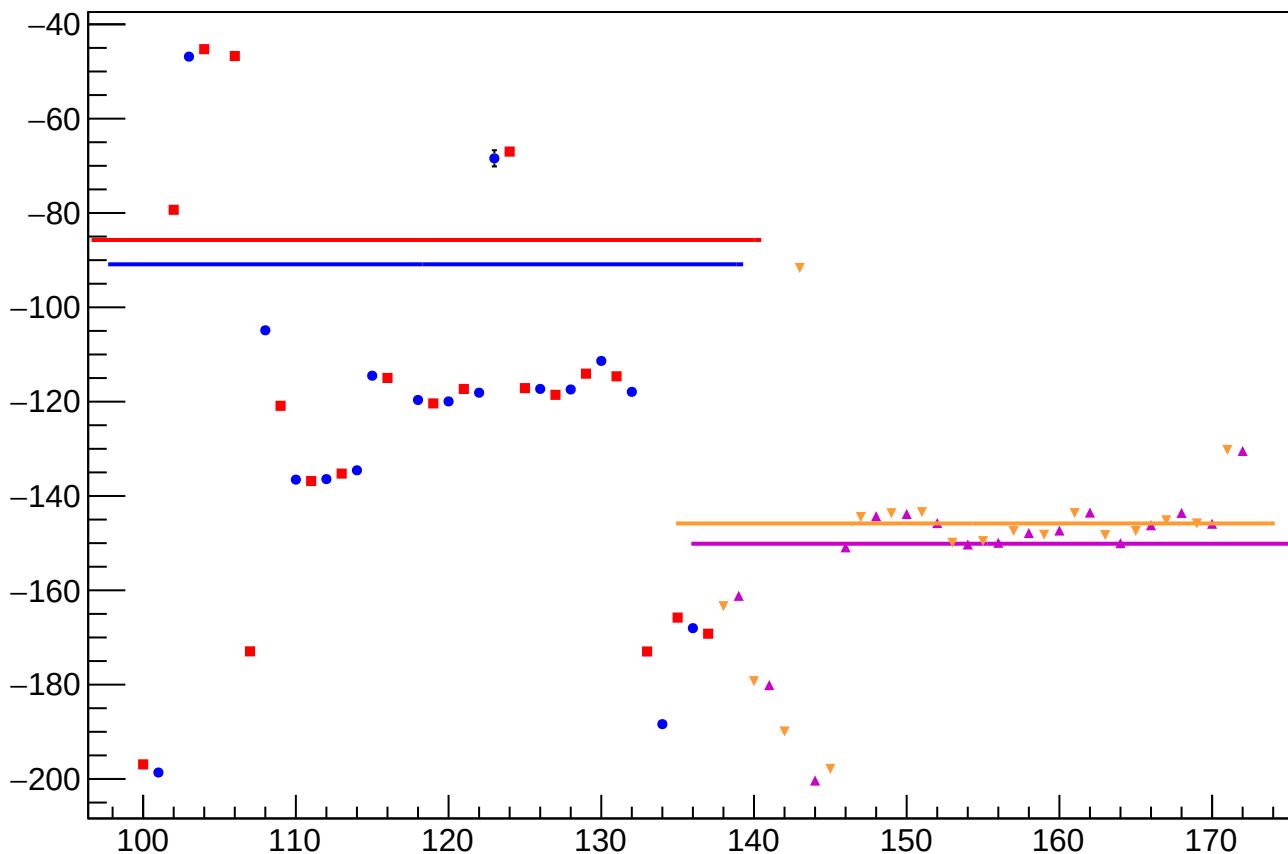
Left In: 58.524 $\pm$ 1.116 χ^2 /NDF:423.3/16

+ sign 56.790 $\pm$ 0.856 χ^2 /NDF: 1050.9/34

All: 55.075 $\pm$ 0.608 χ^2 /NDF: 2066.8/70

- 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: -145.823 ± 0.052 χ^2/NDF : 193415.5/17

Right Out: -85.722 ± 0.065 χ^2/NDF : 494183.1/18

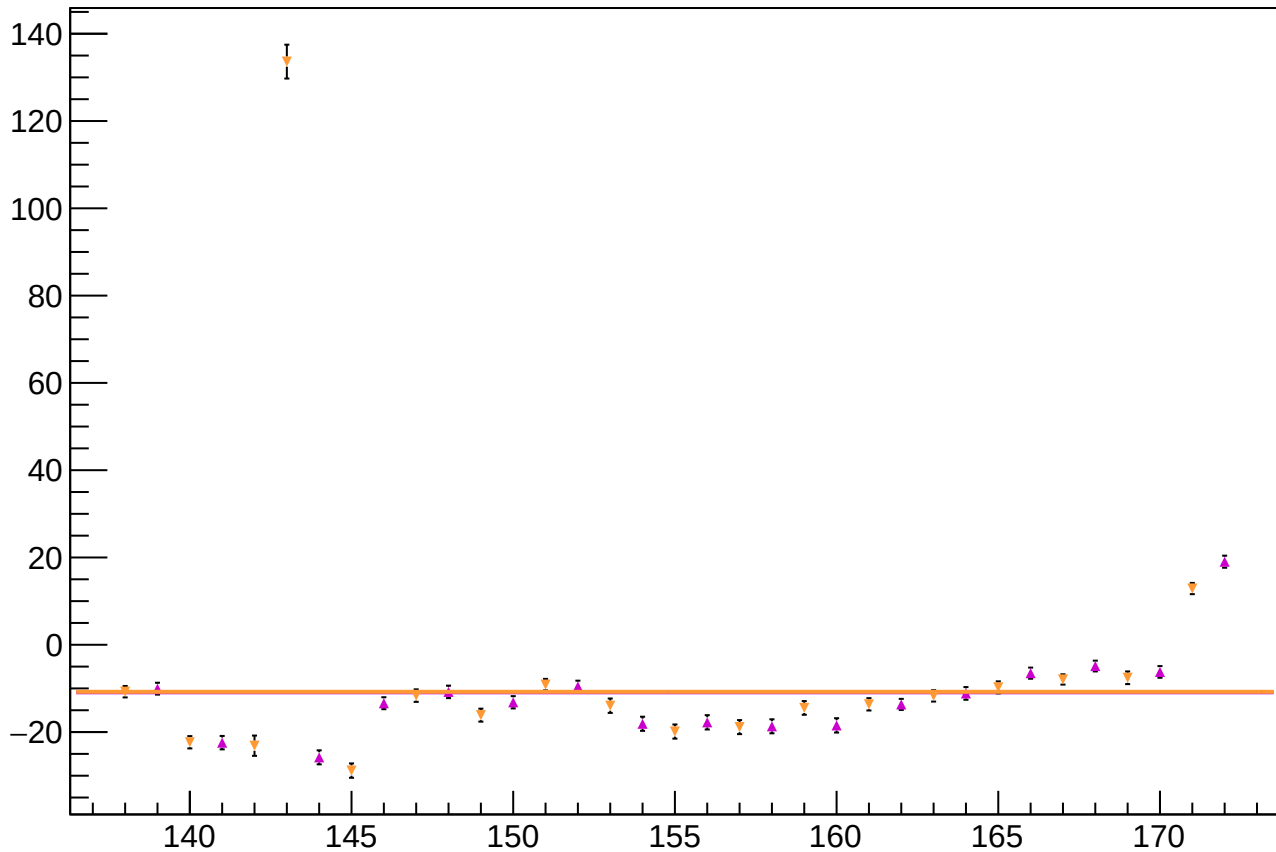
Left In: -150.121 ± 0.053 χ^2/NDF : 68757.1/16

+ sign -125.400 ± 0.041 χ^2/NDF : 1139977.4/34

All: -124.962 ± 0.029 χ^2/NDF : 2293484.1/70

- 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: -10.774+/-0.350 χ^2/NDF : 2032.1/17

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

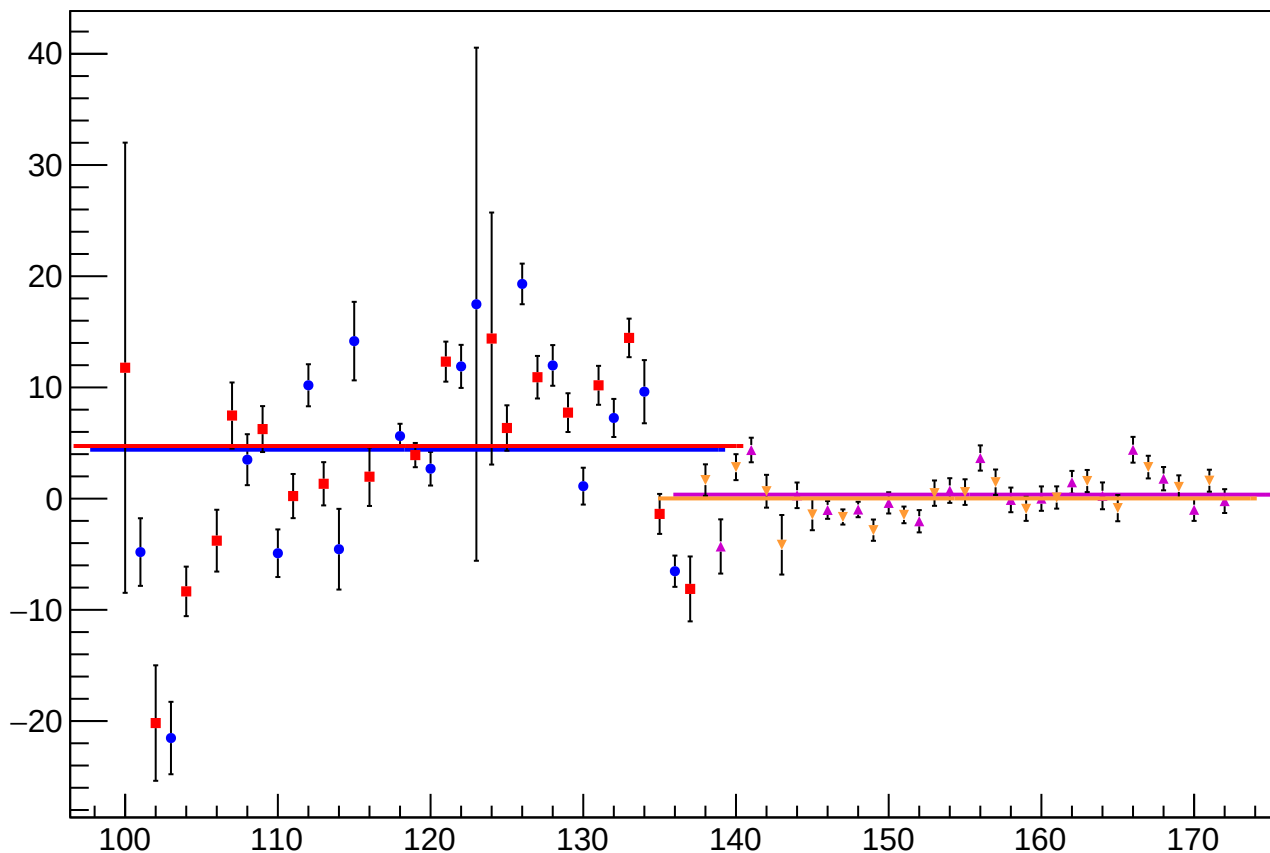
Left In: -10.888+/-0.345 χ^2/NDF : 750.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -10.832+/-0.246 χ^2/NDF : 2782.2/34

- 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: 0.018 ± 0.249 χ^2/NDF : 46.7/17

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

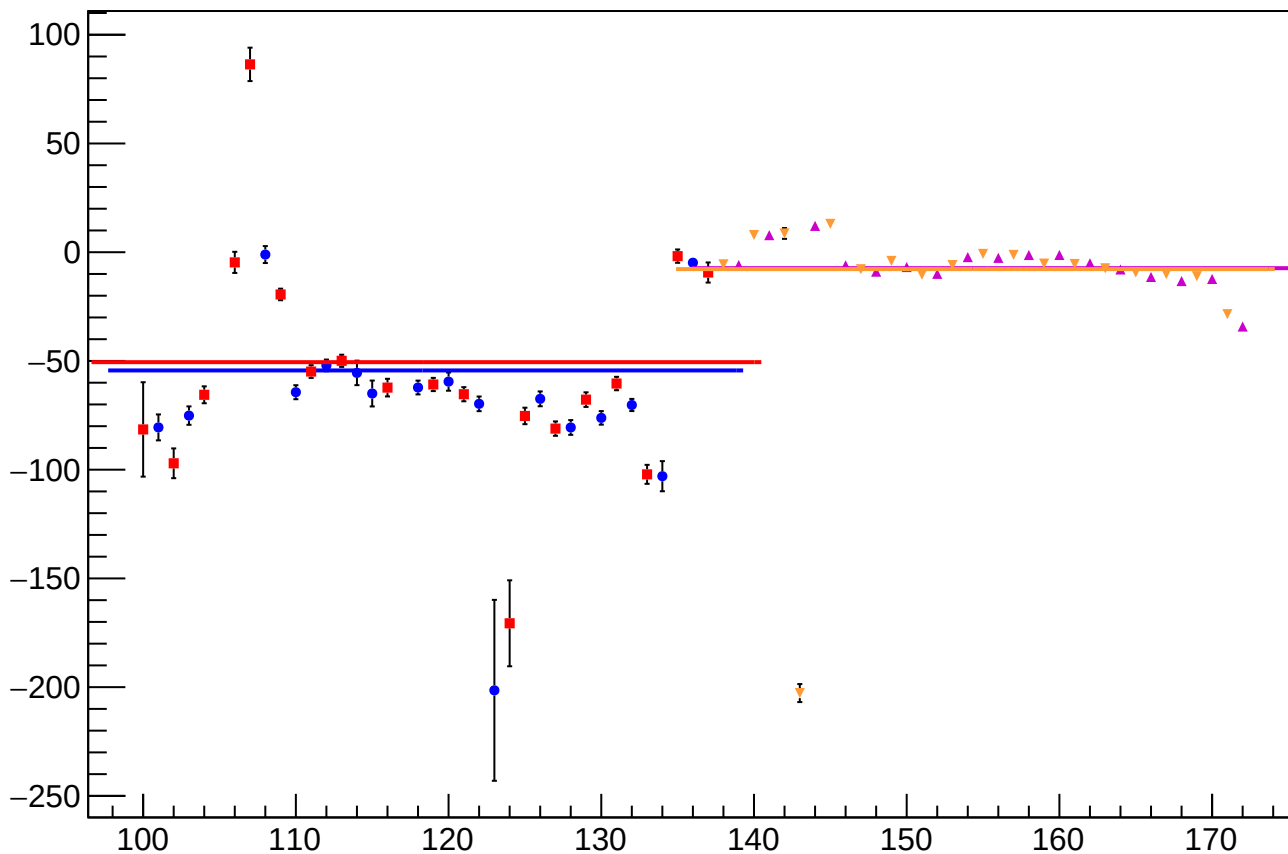
Left In: 0.357 ± 0.251 χ^2/NDF : 56.0/16

+ sign 0.975 ± 0.220 χ^2/NDF : 401.1/34

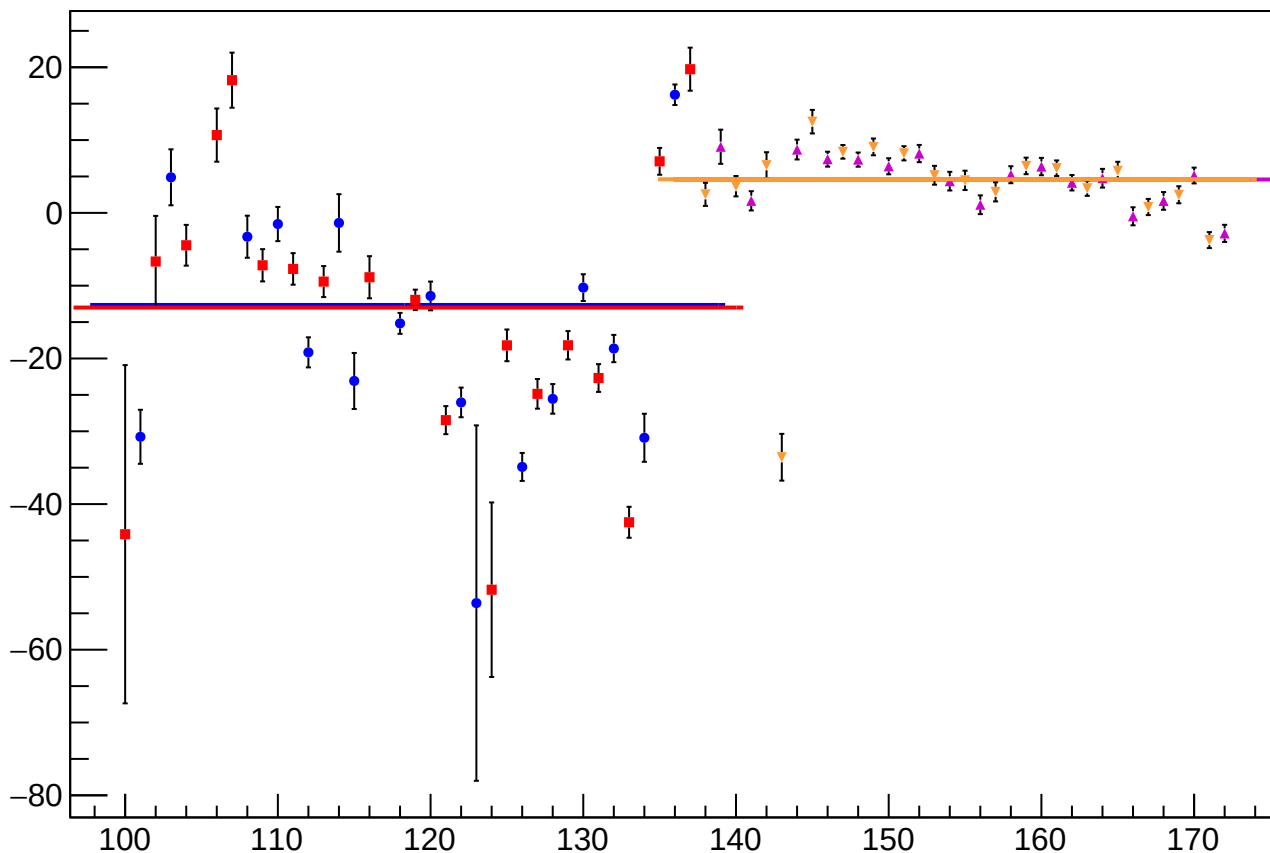
All: 1.145 ± 0.156 χ^2/NDF : 707.9/70

- sign 1.318 ± 0.222 χ^2/NDF : 305.6/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 4.618 ± 0.289 χ^2/NDF : 294.8/17

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

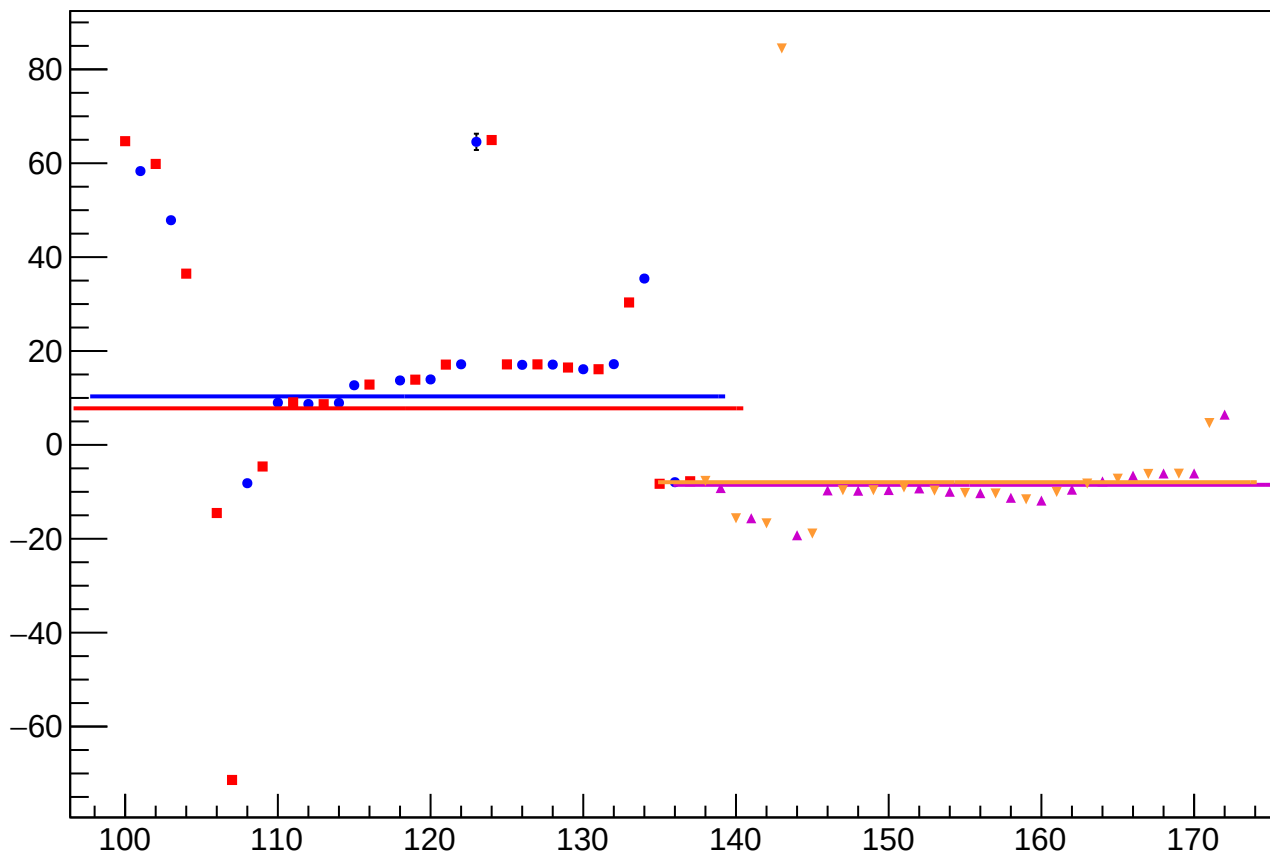
Left In: 4.586 ± 0.290 χ^2/NDF : 117.0/16

+ sign 0.731 ± 0.254 χ^2/NDF : 1886.5/34

All: 0.674 ± 0.180 χ^2/NDF : 3554.2/70

- 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: -7.949 ± 0.013 χ^2/NDF : 449300.9/17

Right Out: 7.786 ± 0.031 χ^2/NDF : 544119.7/18

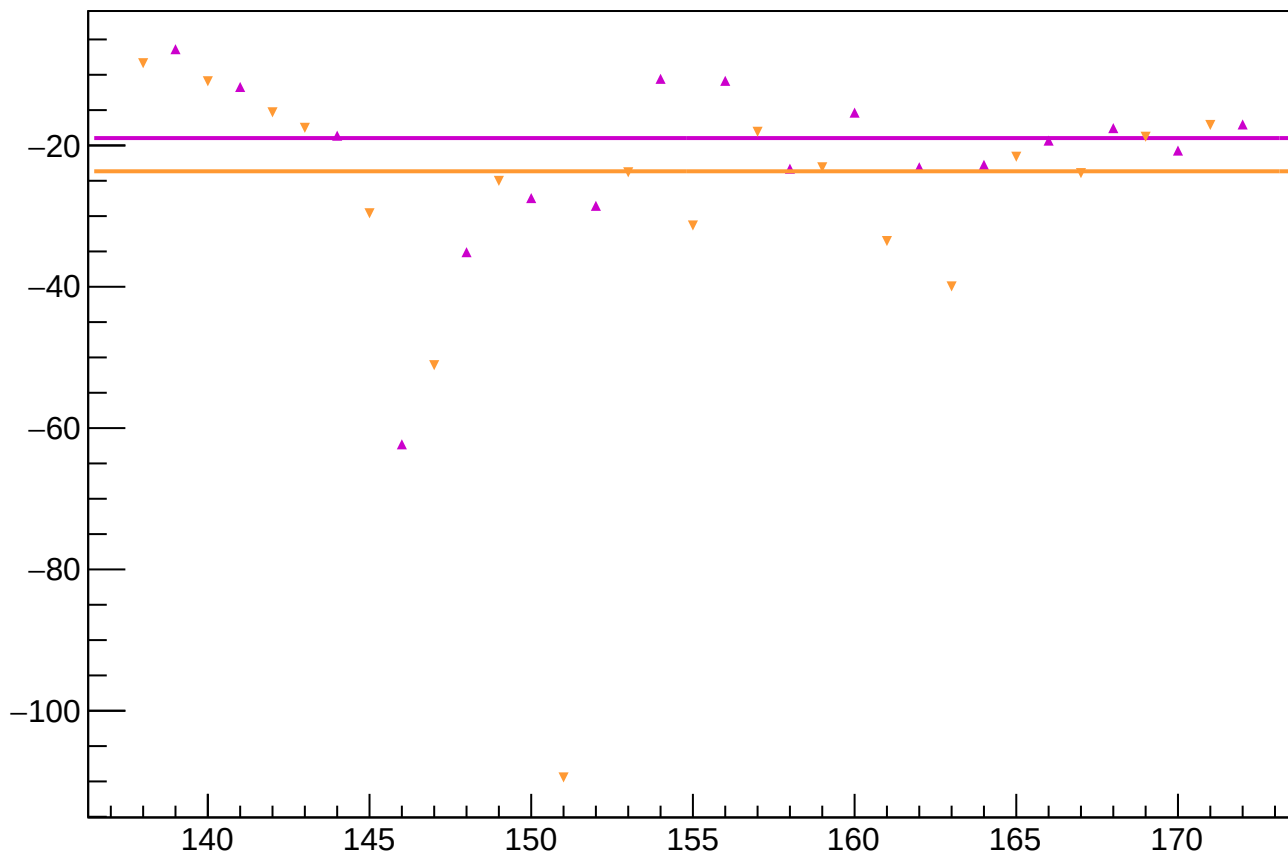
Left In: -8.506 ± 0.013 χ^2/NDF : 138239.9/16

+ sign -5.032 ± 0.012 χ^2/NDF : 1128558.8/34

All: -5.551 ± 0.009 χ^2/NDF : 2044626.0/70

- 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: -23.658+/-0.056 χ^2/NDF : 59177.6/17

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

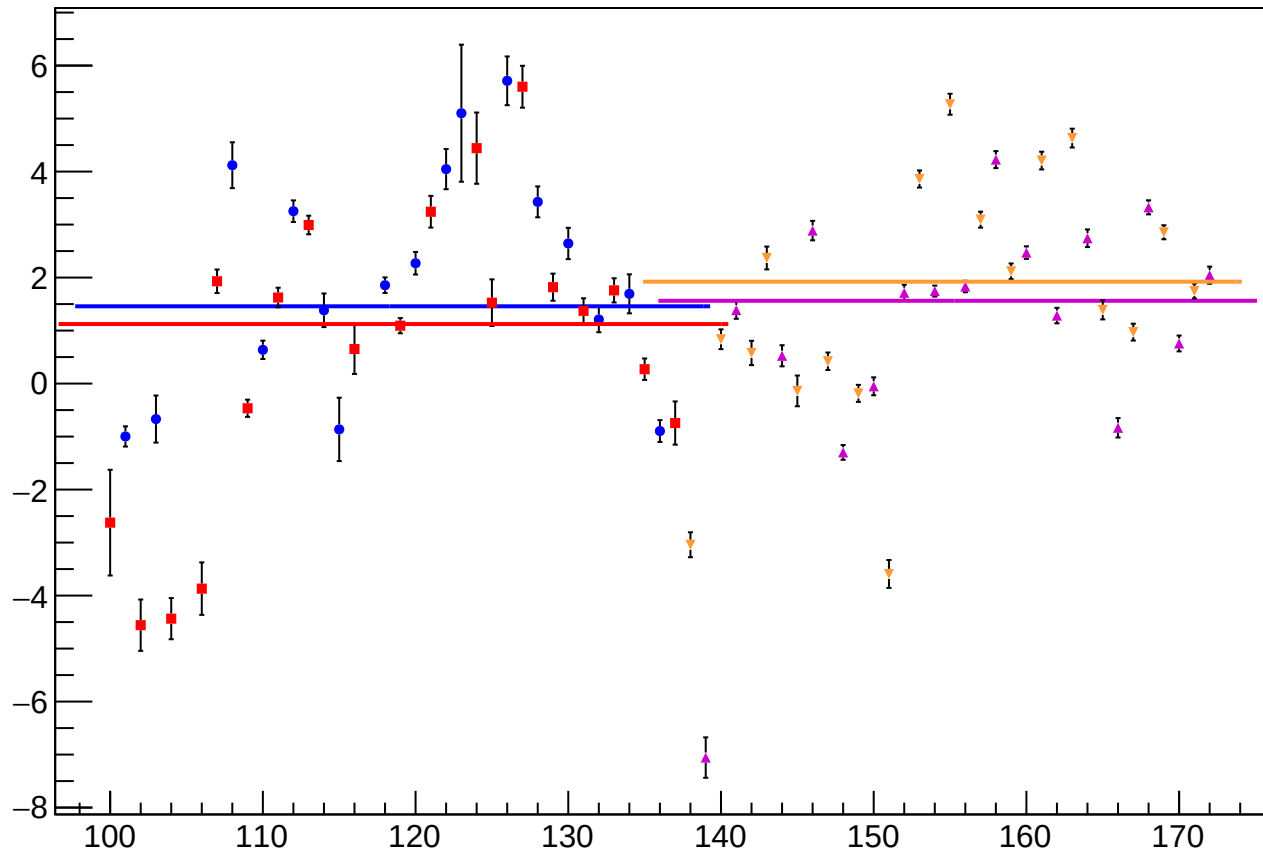
Left In: -18.957+/-0.049 χ^2/NDF : 37293.6/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.018+/-0.037 χ^2/NDF : 100476.4/34

- 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: 1.923 $\pm$ 0.041 χ^2/NDF : 2269.5/17

Right Out: 1.123 $\pm$ 0.058 χ^2/NDF : 947.4/18

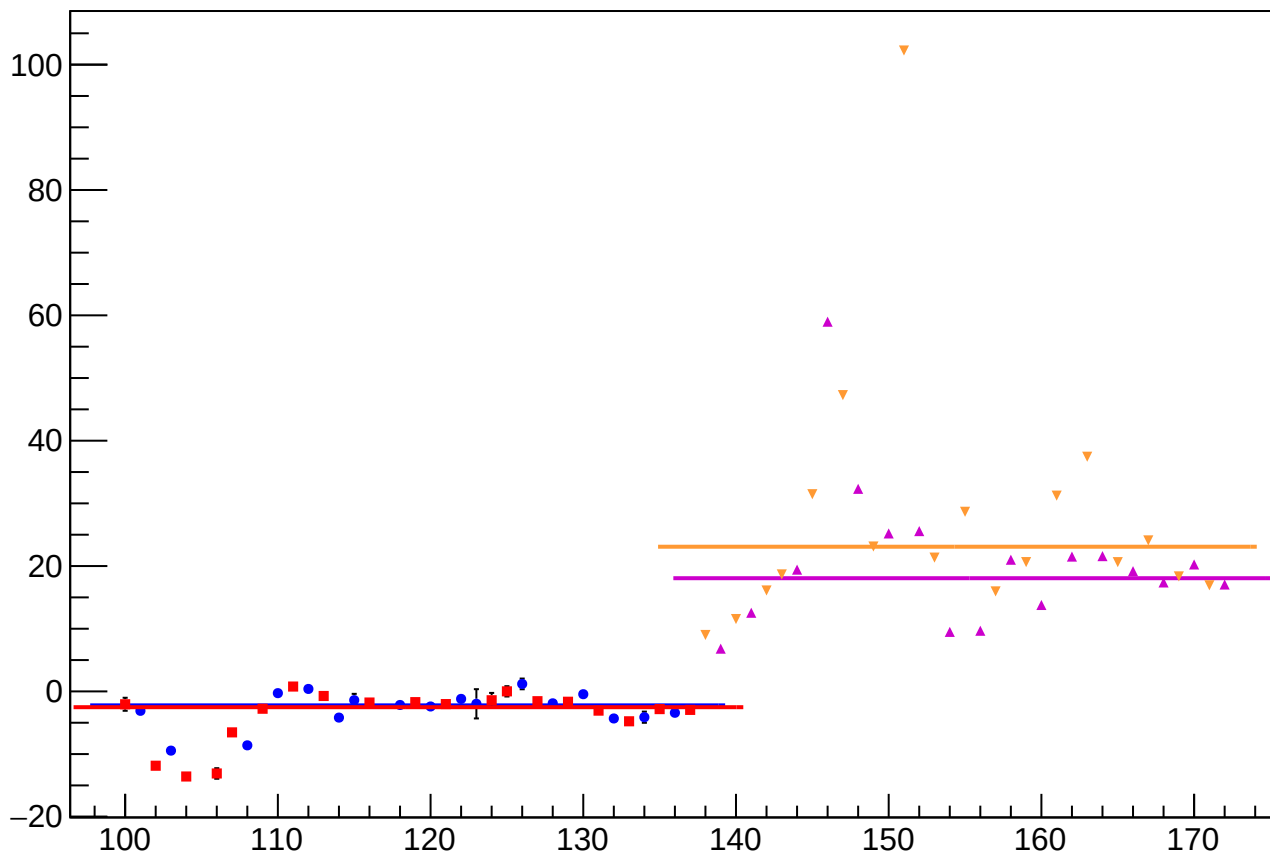
Left In: 1.562 $\pm$ 0.036 χ^2/NDF : 1884.3/16

+ sign 1.780 $\pm$ 0.034 χ^2/NDF : 3006.7/34

All: 1.591 $\pm$ 0.023 χ^2/NDF : 5934.4/70

- 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: 23.083 ± 0.055 χ^2/NDF : 52985.4/17

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

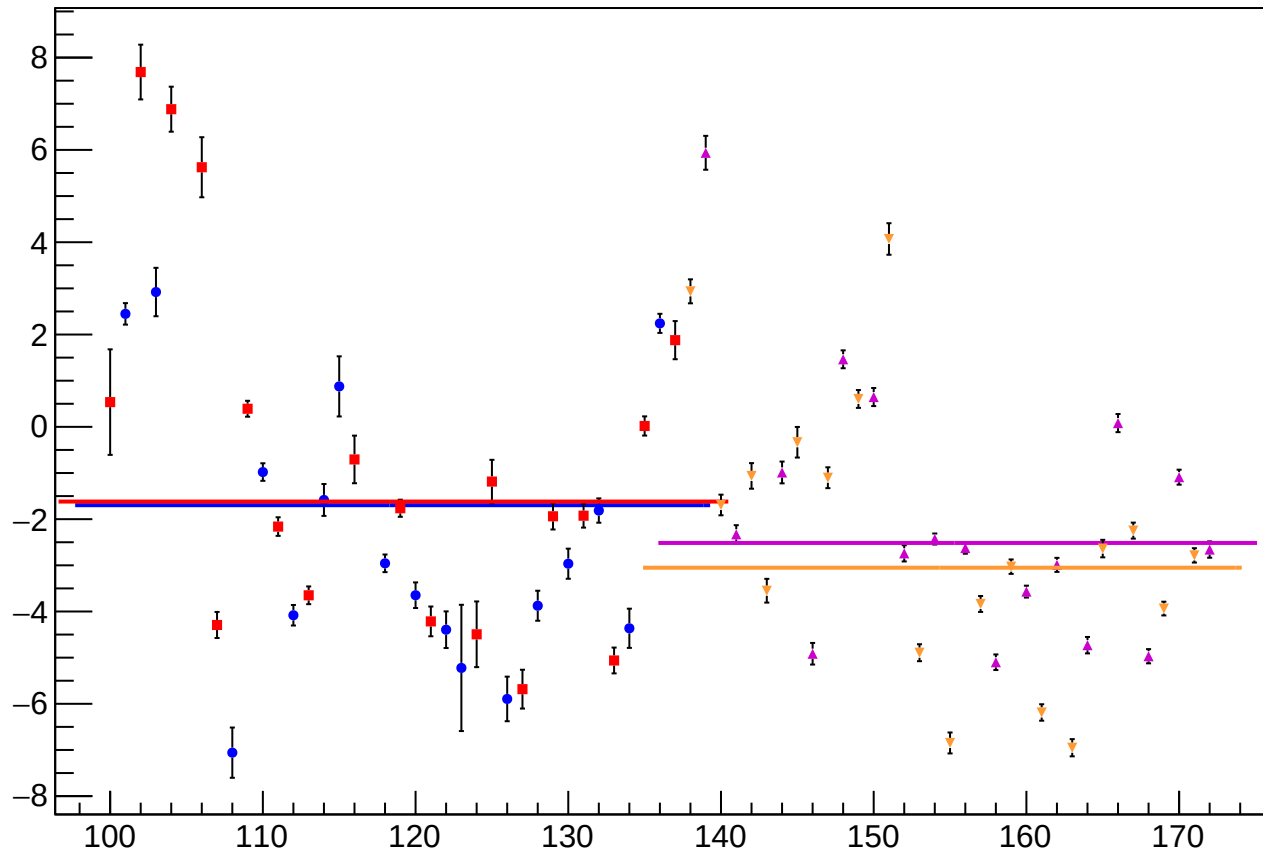
Left In: 18.060 ± 0.048 χ^2/NDF : 35311.5/16

+ sign 18.127 ± 0.049 χ^2/NDF : 95061.3/34

All: 15.880 ± 0.032 χ^2/NDF : 169992.7/70

- 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 $\pm$ 0.071 χ^2/NDF : 1319.4/16

Left Out: -3.051 $\pm$ 0.047 χ^2/NDF : 2771.1/17

Right Out: -1.618 $\pm$ 0.066 χ^2/NDF : 1489.2/18

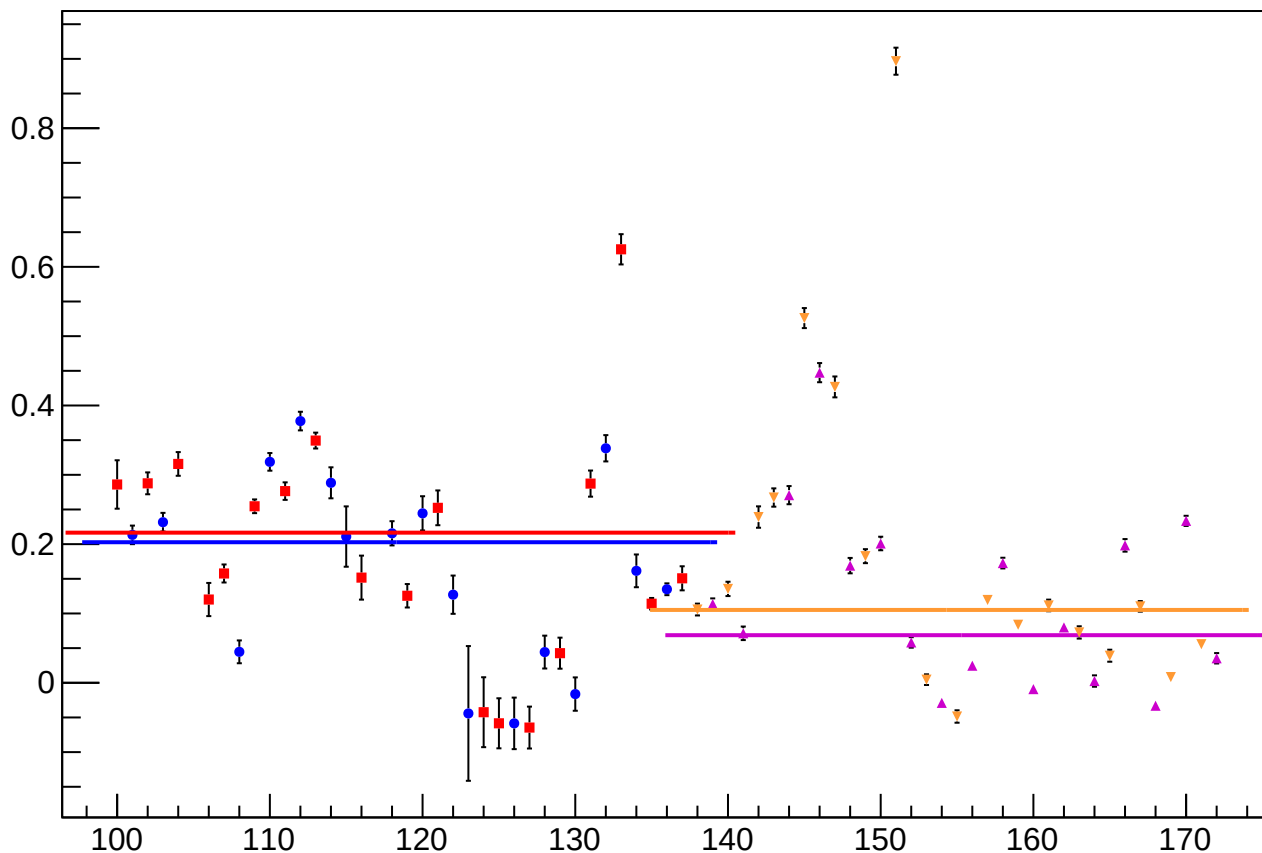
Left In: -2.515 $\pm$ 0.041 χ^2/NDF : 2334.2/16

+ sign -2.643 $\pm$ 0.039 χ^2/NDF : 4343.8/34

All: -2.432 $\pm$ 0.026 χ^2/NDF : 8354.1/70

- sign -2.264 $\pm$ 0.035 χ^2/NDF : 3957.8/35

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.105 ± 0.002 χ^2/NDF : 4054.5/17

Right Out: 0.217 ± 0.004 χ^2/NDF : 1064.4/18

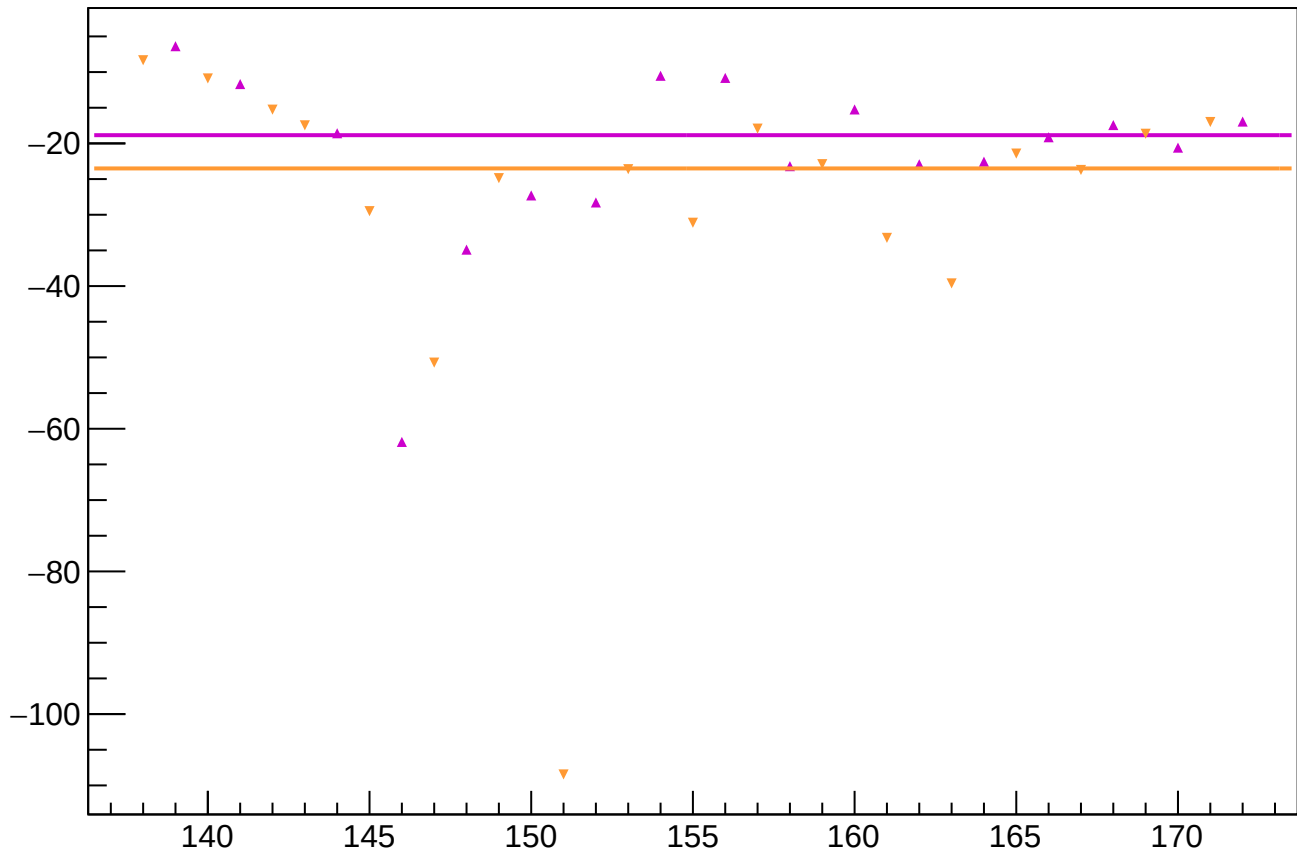
Left In: 0.069 ± 0.002 χ^2/NDF : 3199.7/16

+ sign 0.125 ± 0.002 χ^2/NDF : 5172.6/34

All: 0.109 ± 0.001 χ^2/NDF : 10865.6/70

- sign 0.097 ± 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: -23.508+/-0.055 χ^2/NDF : 58997.0/17

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

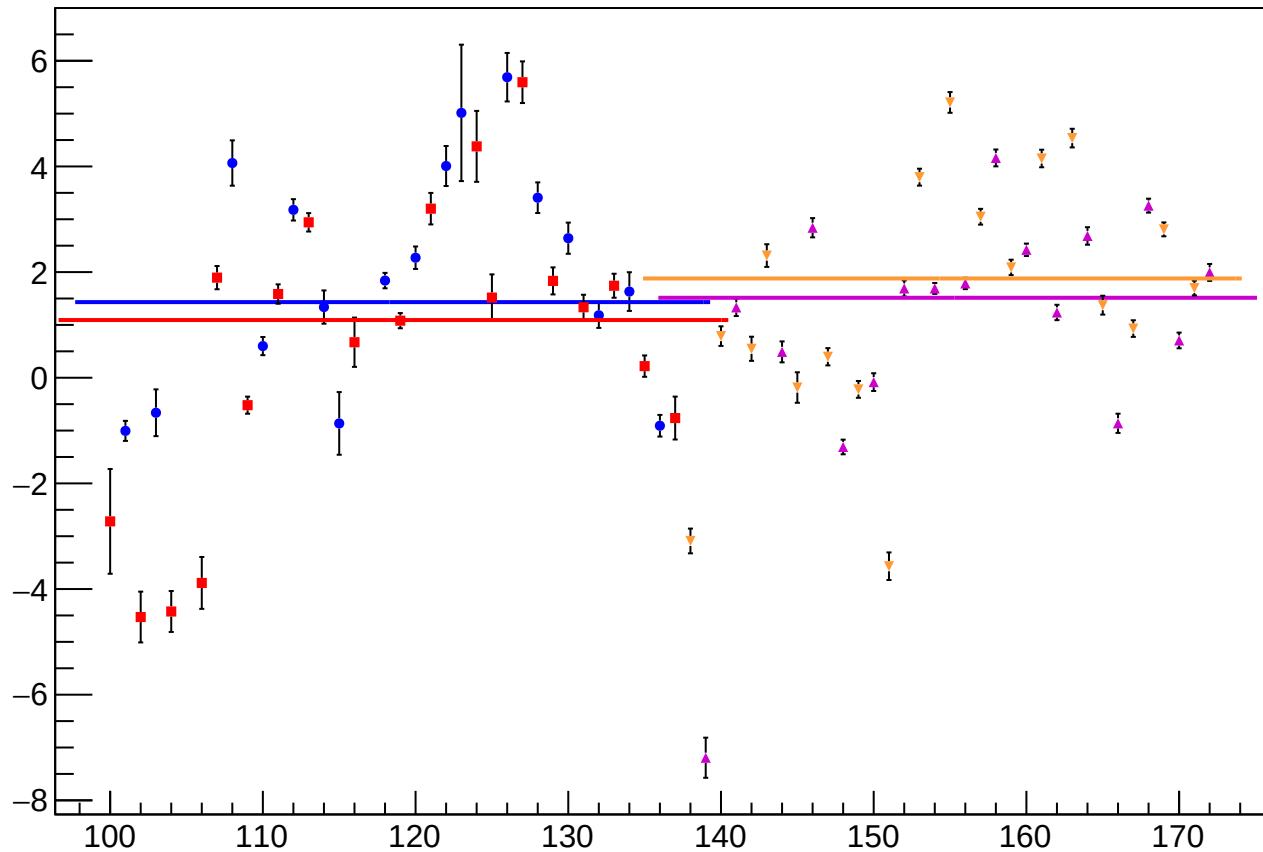
Left In: -18.846+/-0.049 χ^2/NDF : 37204.3/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.890+/-0.037 χ^2/NDF : 100192.6/34

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 1.879 ± 0.041 χ^2/NDF : 2269.1/17

Right Out: 1.092 ± 0.058 χ^2/NDF : 953.2/18

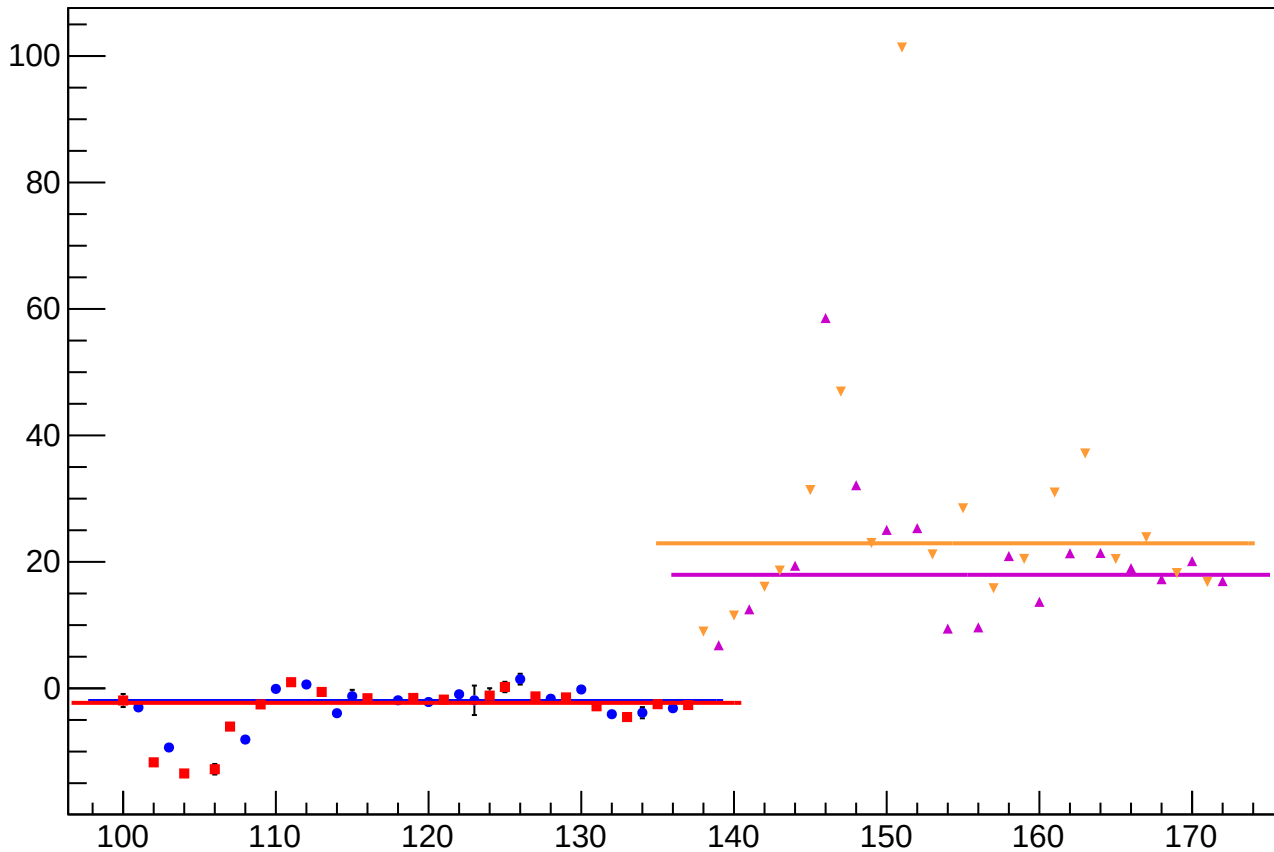
Left In: 1.514 ± 0.036 χ^2/NDF : 1894.0/16

+ sign 1.743 ± 0.034 χ^2/NDF : 3002.2/34

All: 1.550 ± 0.023 χ^2/NDF : 5944.8/70

- sign 1.397 ± 0.030 χ^2/NDF : 2885.5/35

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 22.935 ± 0.055 χ^2/NDF : 52846.0/17

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

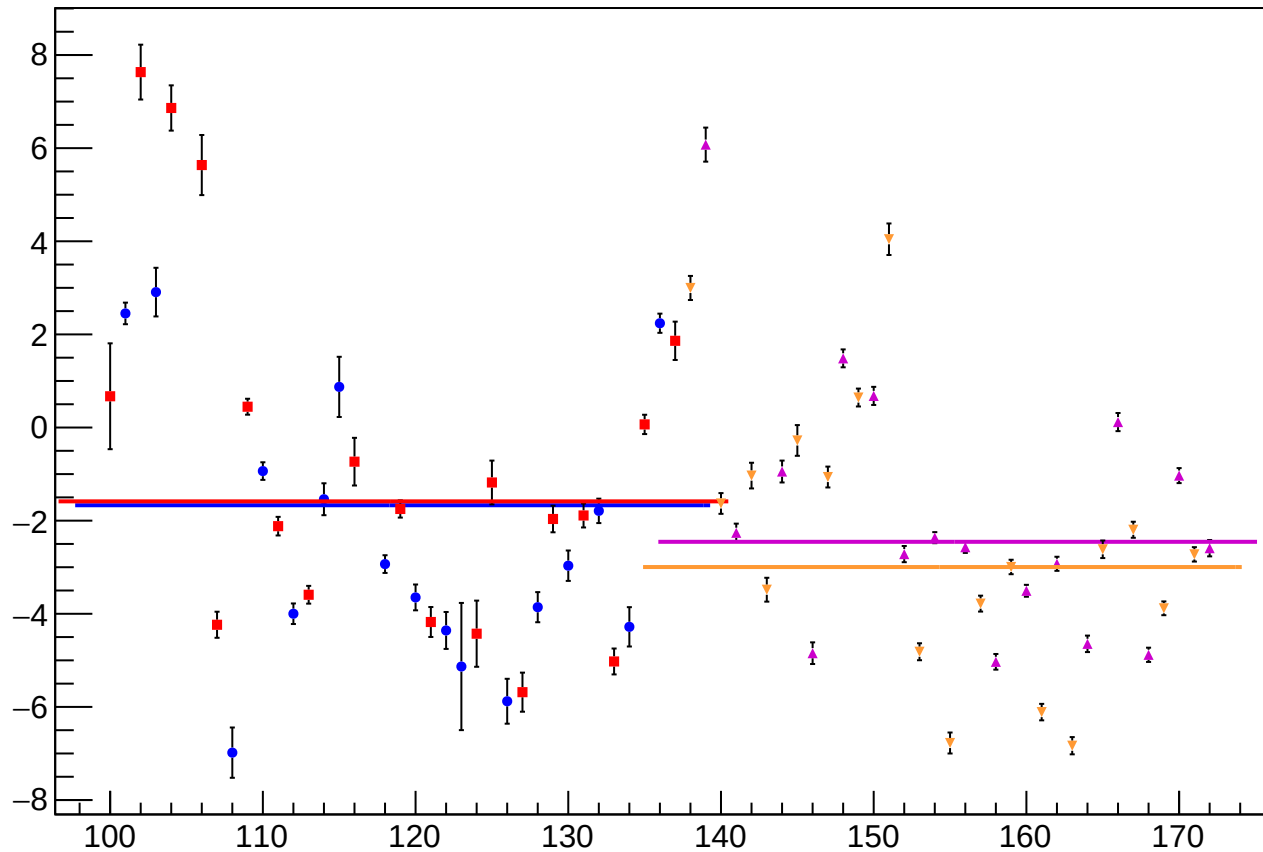
Left In: 17.954 ± 0.048 χ^2/NDF : 35234.4/16

+ sign 18.064 ± 0.049 χ^2/NDF : 94139.3/34

All: 15.833 ± 0.032 χ^2/NDF : 168248.4/70

- sign 14.124 ± 0.043 χ^2/NDF : 70437.1/35

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.996 ± 0.046 χ^2/NDF : 2769.4/17

Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18

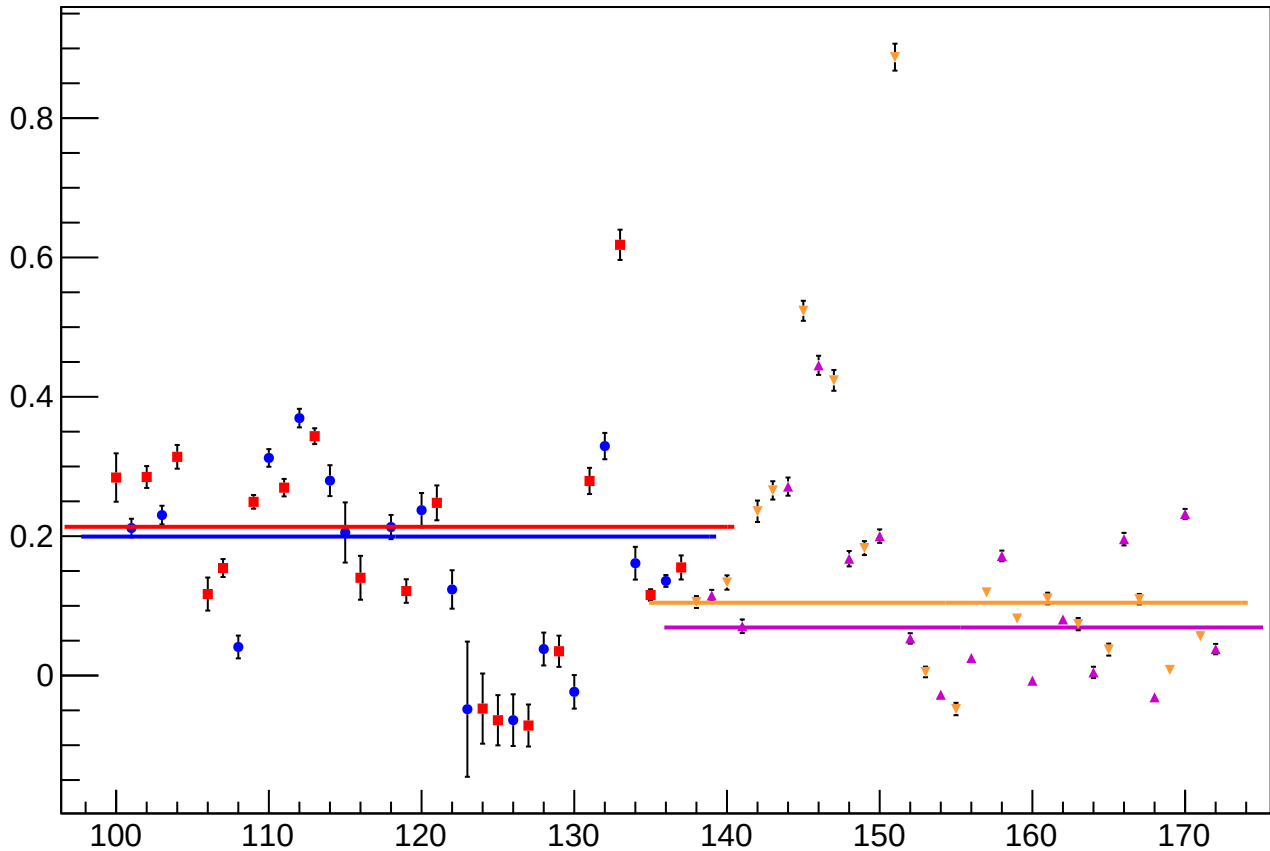
Left In: -2.454 ± 0.041 χ^2/NDF : 2344.7/16

+ sign -2.597 ± 0.039 χ^2/NDF : 4330.2/34

All: -2.382 ± 0.026 χ^2/NDF : 8352.0/70

- sign -2.212 ± 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: 0.104 ± 0.002 χ^2/NDF : 4046.8/17

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

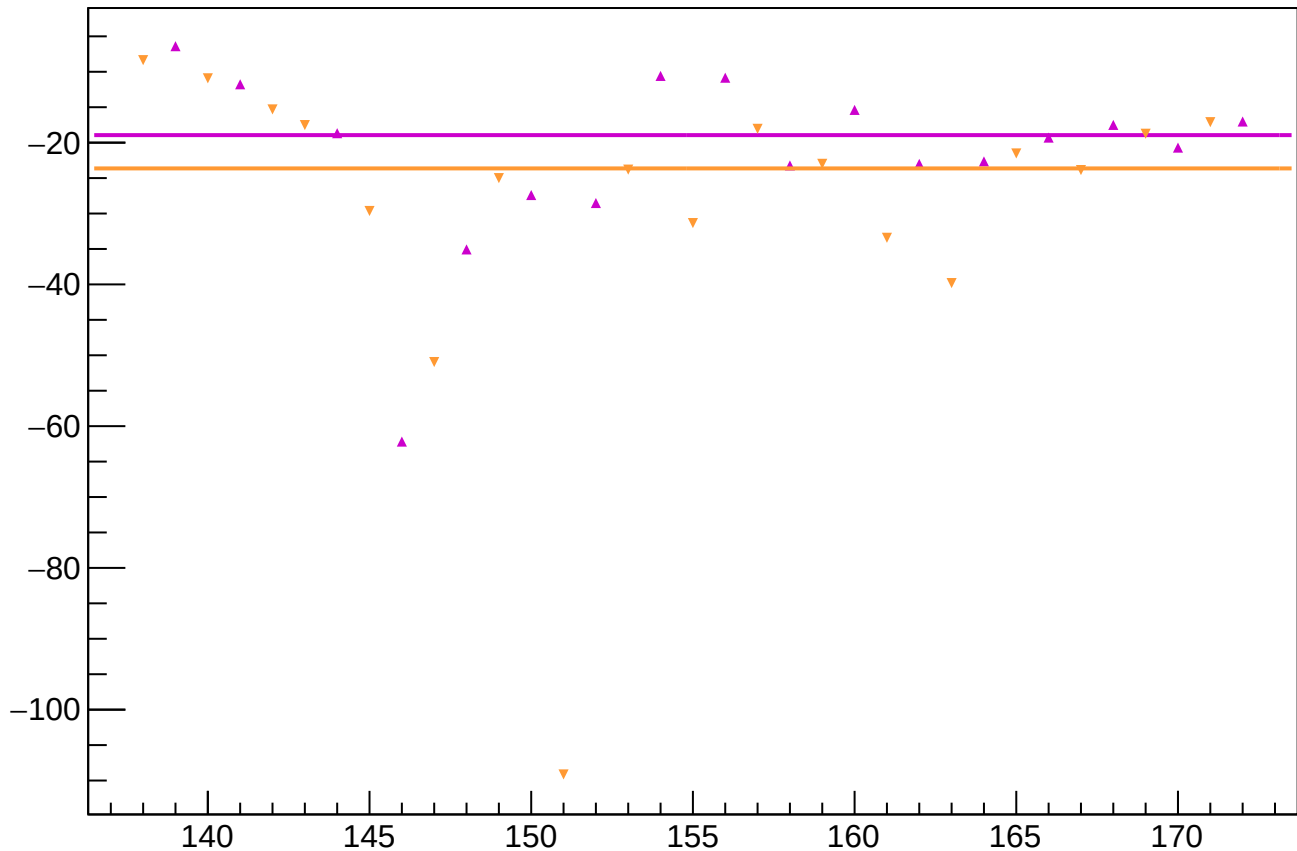
Left In: 0.069 ± 0.002 χ^2/NDF : 3173.8/16

+ sign 0.124 ± 0.002 χ^2/NDF : 5130.7/34

All: 0.108 ± 0.001 χ^2/NDF : 10729.5/70

- 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: -23.635 ± 0.056 χ^2/NDF : 59118.9/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

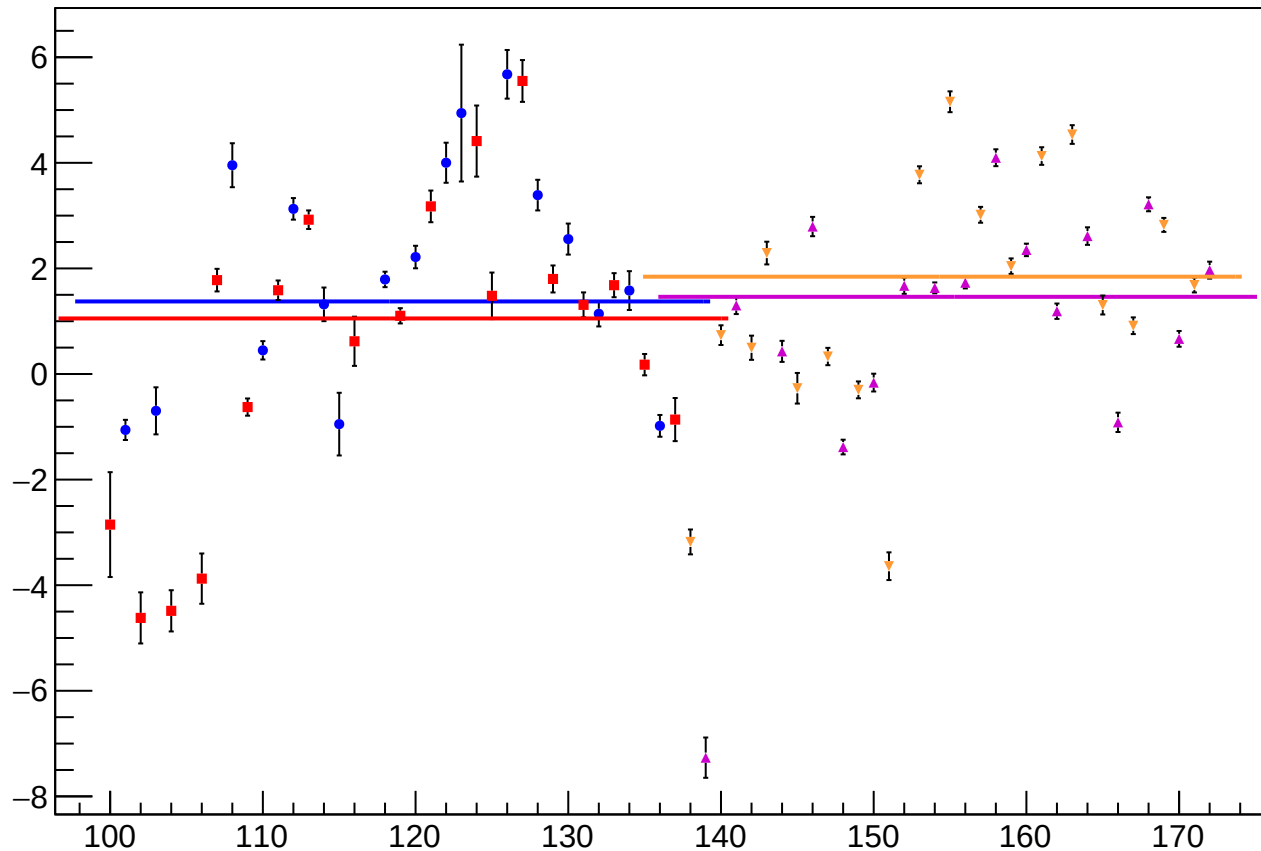
Left In: -18.937 ± 0.049 χ^2/NDF : 37273.5/16

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -20.996 ± 0.037 χ^2/NDF : 100413.1/34

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: 1.843 ± 0.041 χ^2/NDF : 2291.3/17

Right Out: 1.052 ± 0.058 χ^2/NDF : 964.0/18

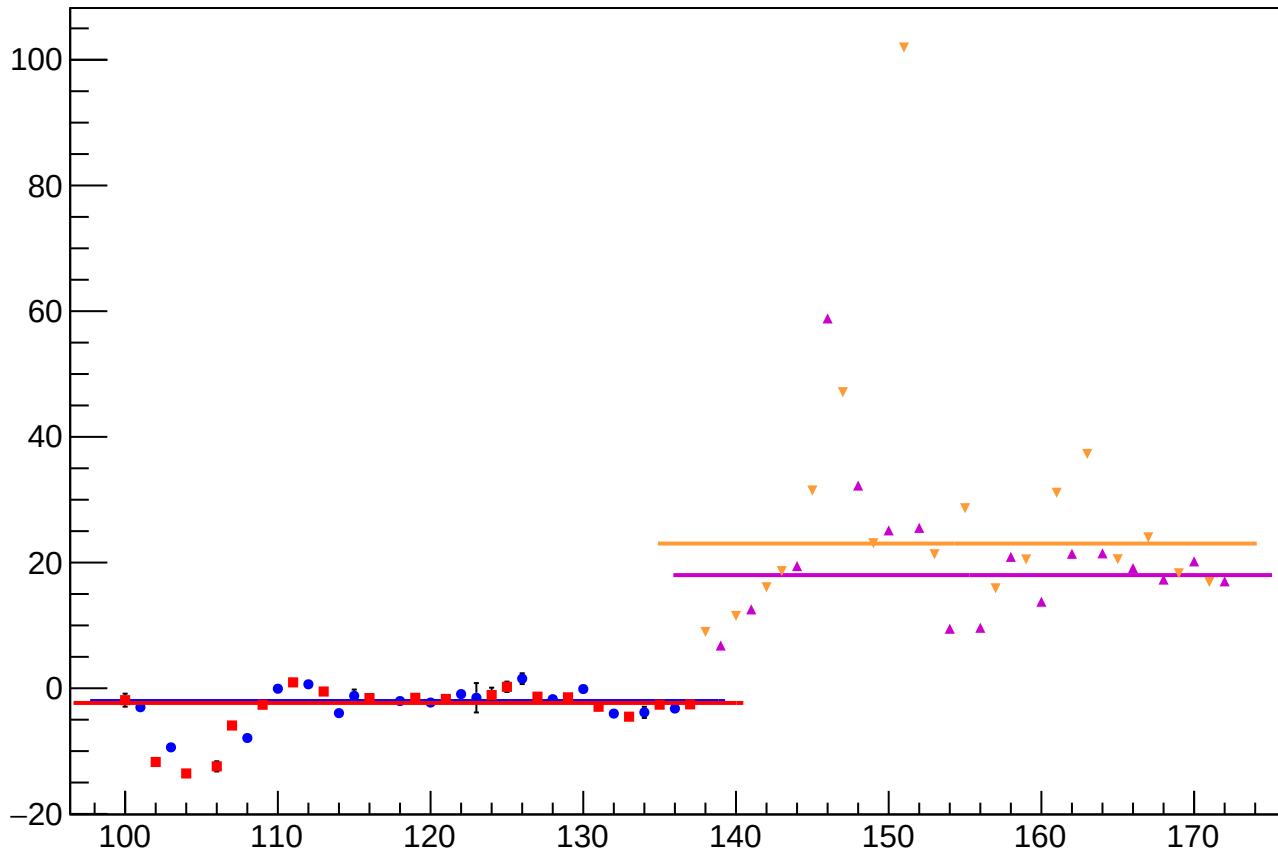
Left In: 1.462 ± 0.036 χ^2/NDF : 1886.8/16

+ sign 1.700 ± 0.034 χ^2/NDF : 3033.5/34

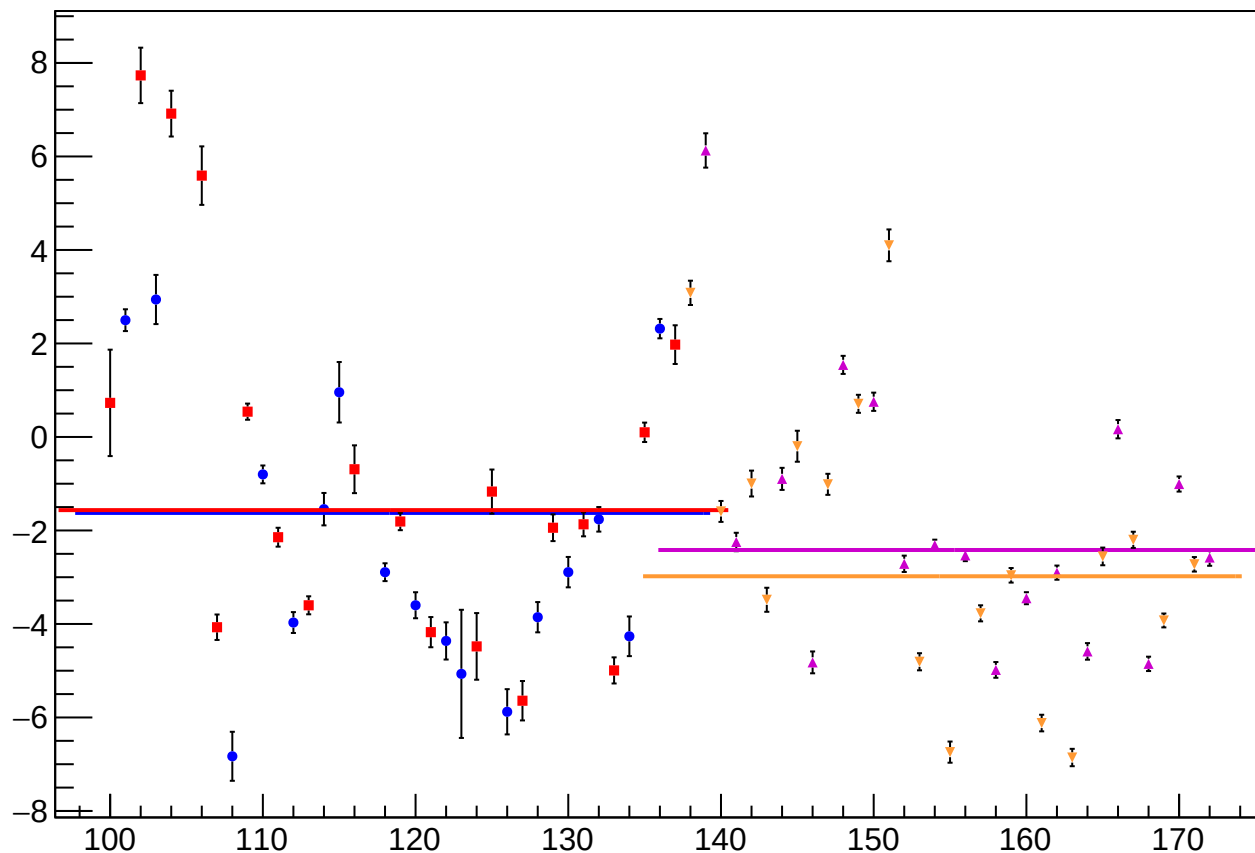
All: 1.504 ± 0.023 χ^2/NDF : 5979.1/70

- sign 1.348 ± 0.031 χ^2/NDF : 2886.8/35

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.980 ± 0.047 χ^2/NDF : 2797.8/17

Right Out: -1.565 ± 0.066 χ^2/NDF : 1505.8/18

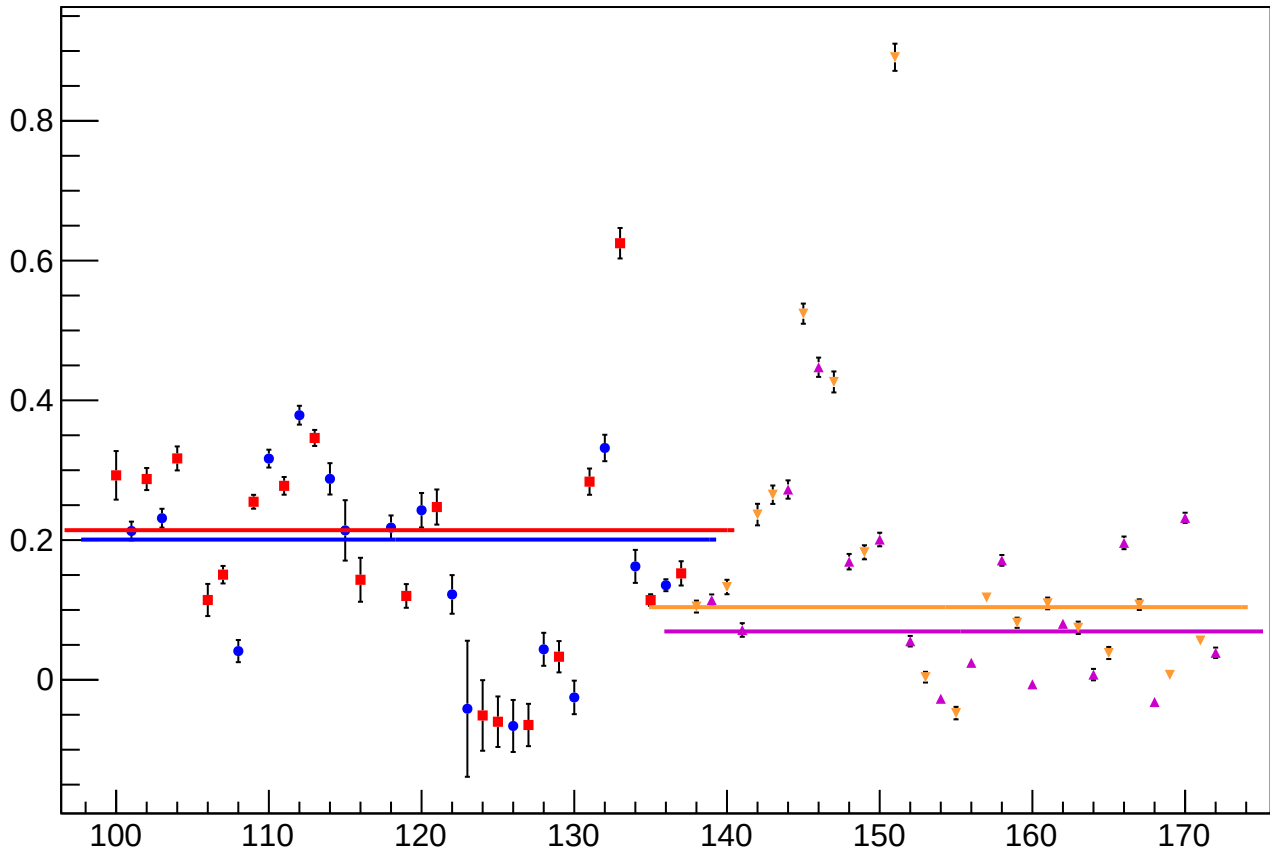
Left In: -2.418 ± 0.041 χ^2/NDF : 2336.3/16

+ sign -2.573 ± 0.039 χ^2/NDF : 4372.6/34

All: -2.353 ± 0.026 χ^2/NDF : 8393.3/70

- sign -2.180 ± 0.035 χ^2/NDF : 3964.0/35

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.104 ± 0.002 χ^2/NDF : 4034.4/17

Right Out: 0.214 ± 0.004 χ^2/NDF : 1080.4/18

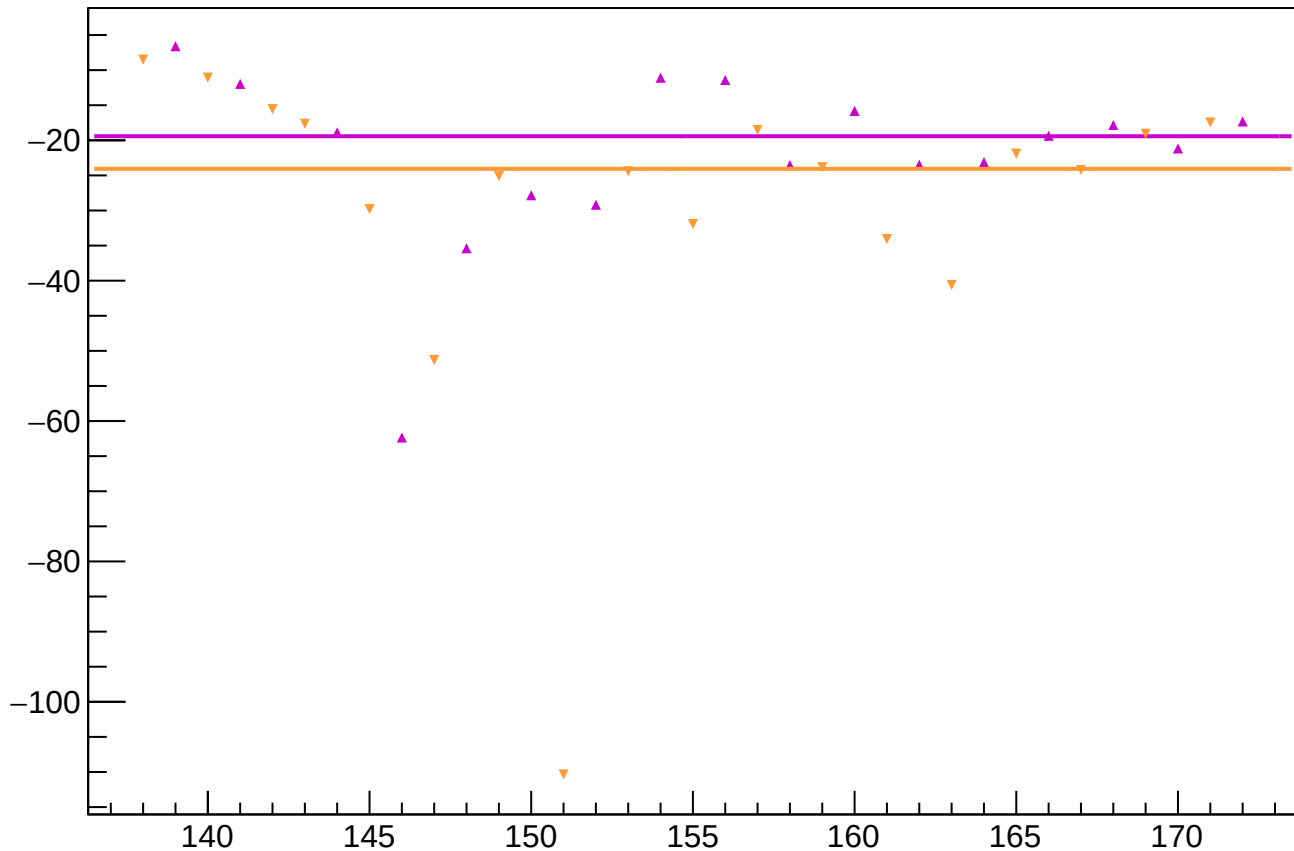
Left In: 0.069 ± 0.002 χ^2/NDF : 3152.3/16

+ sign 0.124 ± 0.002 χ^2/NDF : 5159.3/34

All: 0.108 ± 0.001 χ^2/NDF : 10764.9/70

- sign 0.097 ± 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: -24.063+/-0.057 χ^2/NDF : 58983.7/17

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

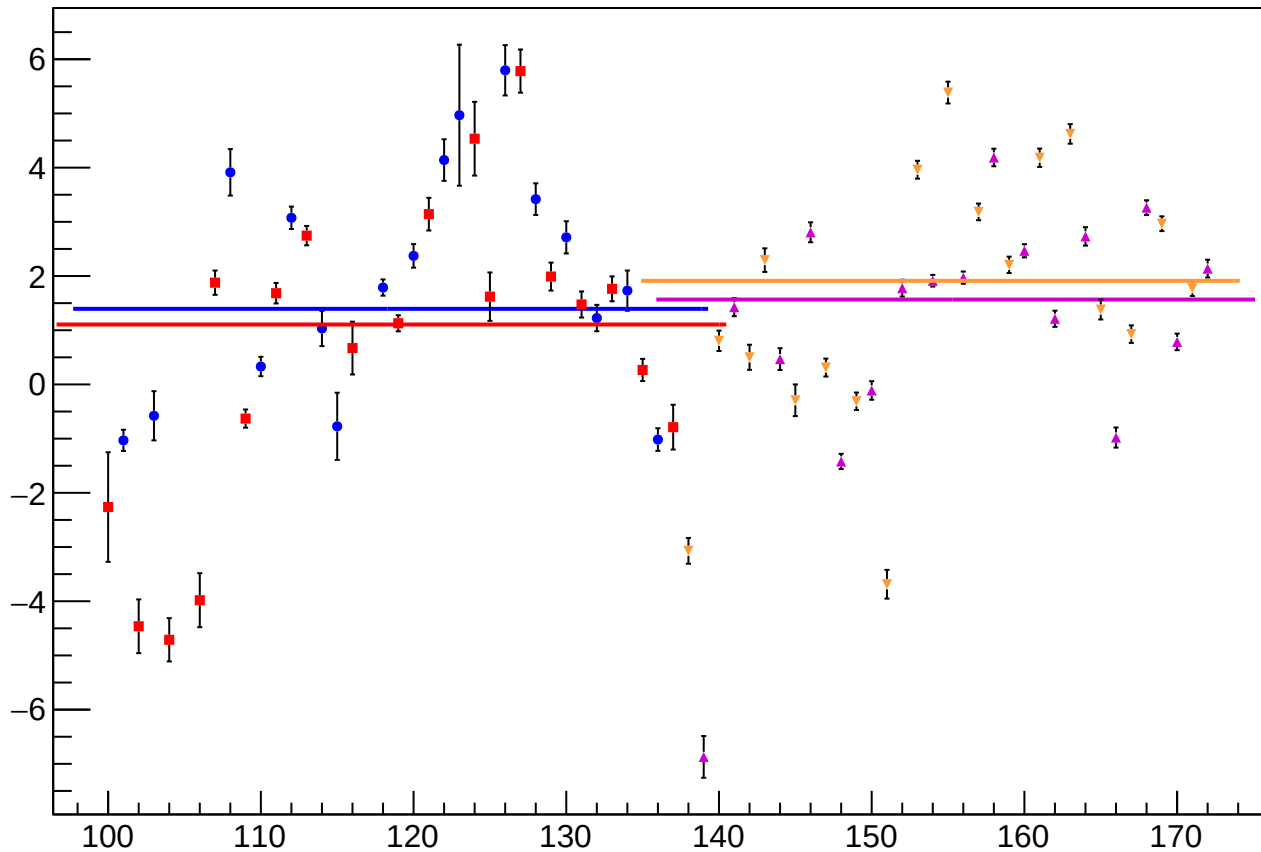
Left In: -19.419+/-0.050 χ^2/NDF : 36146.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.464+/-0.038 χ^2/NDF : 98895.7/34

- 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: 1.912 $\pm$ 0.042 χ^2 /NDF:2337.0/17

Right Out: 1.106 $\pm$ 0.059 χ^2 /NDF: 937.0/18

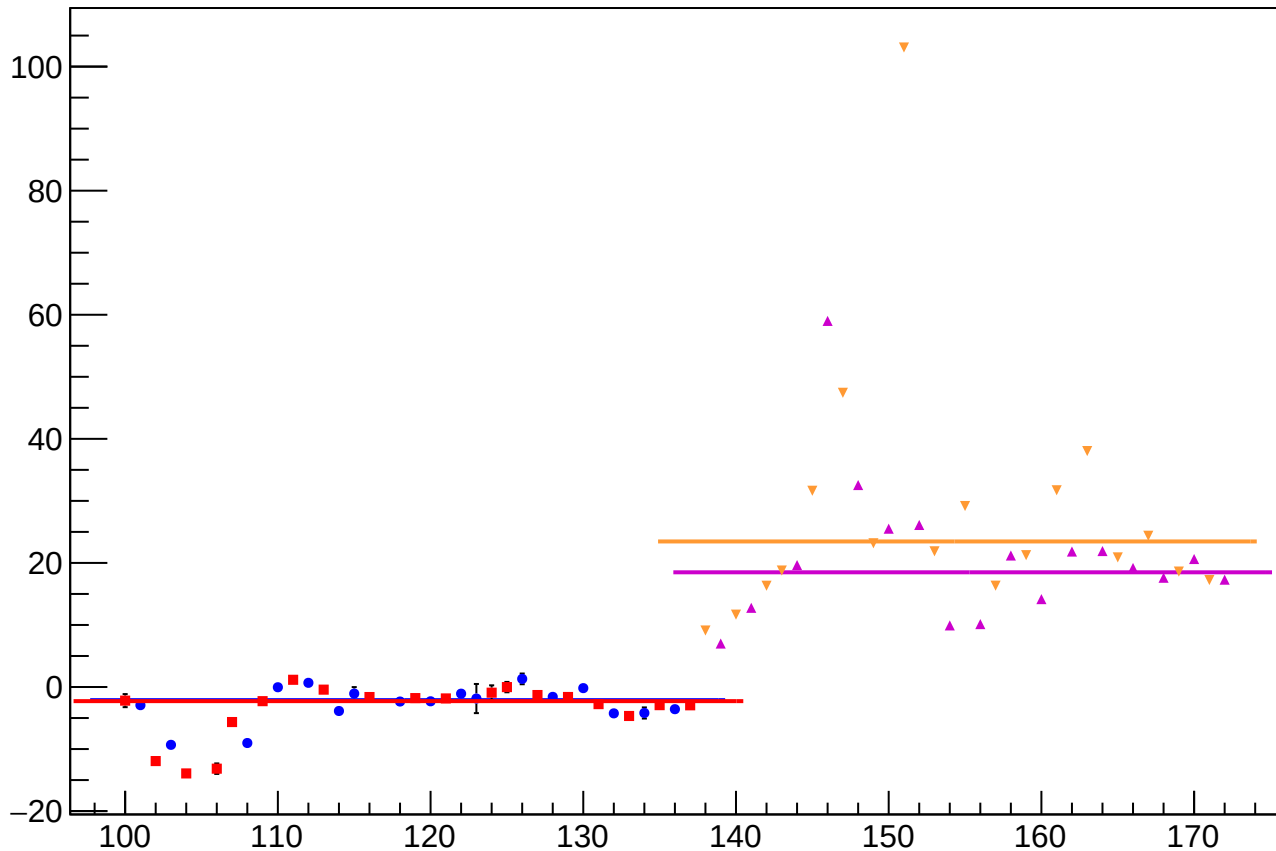
Left In: 1.566 $\pm$ 0.037 χ^2 /NDF:1877.8/16

+ sign 1.753 $\pm$ 0.035 χ^2 /NDF: 3085.0/34

All: 1.578 $\pm$ 0.023 χ^2 /NDF: 5988.7/70

- 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: 23.461 ± 0.056 χ^2/NDF : 52690.1/17

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

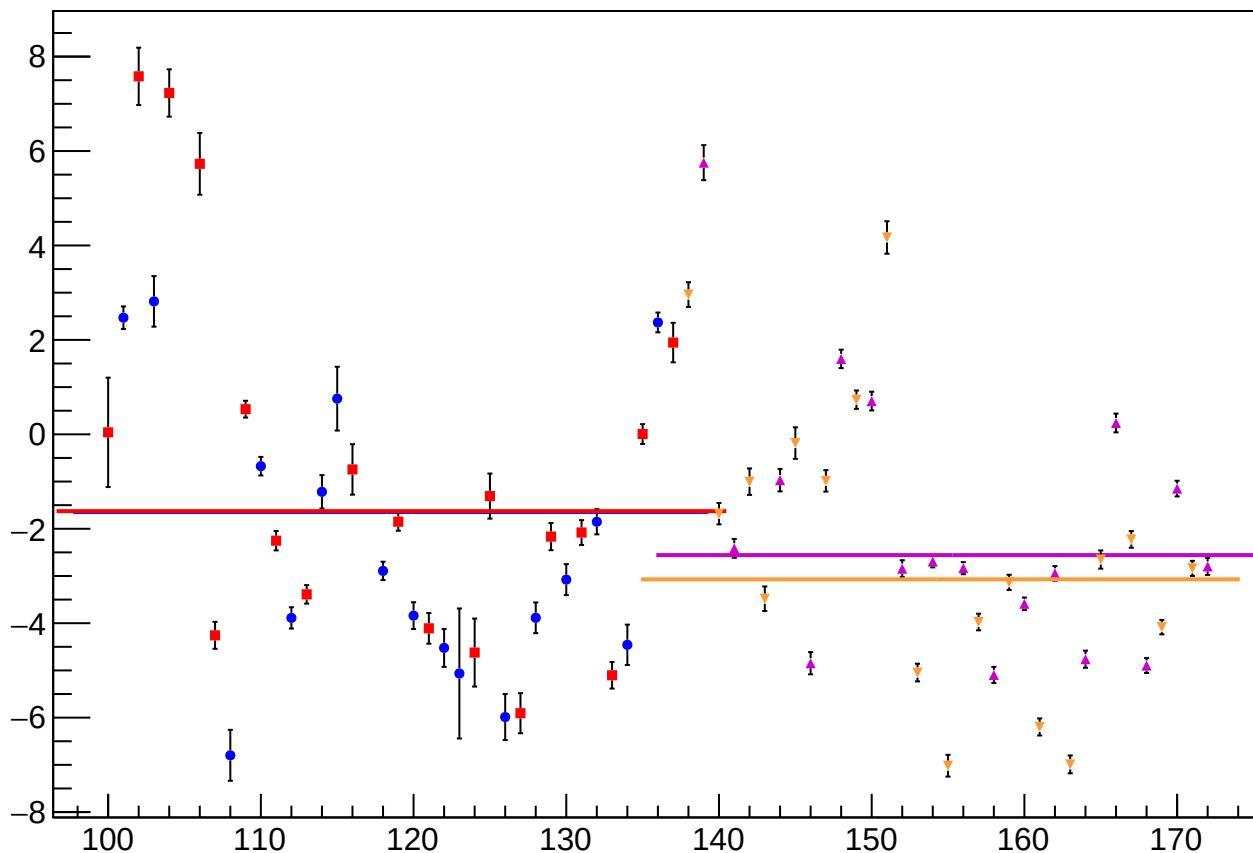
Left In: 18.488 ± 0.049 χ^2/NDF : 34055.7/16

+ sign 18.458 ± 0.050 χ^2/NDF : 94182.1/34

All: 16.250 ± 0.033 χ^2/NDF : 166816.4/70

- 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 $\pm$ 0.072 χ^2/NDF : 1310.1/16

Left Out: -3.070 $\pm$ 0.048 χ^2/NDF : 2840.9/17

Right Out: -1.627 $\pm$ 0.067 χ^2/NDF : 1468.1/18

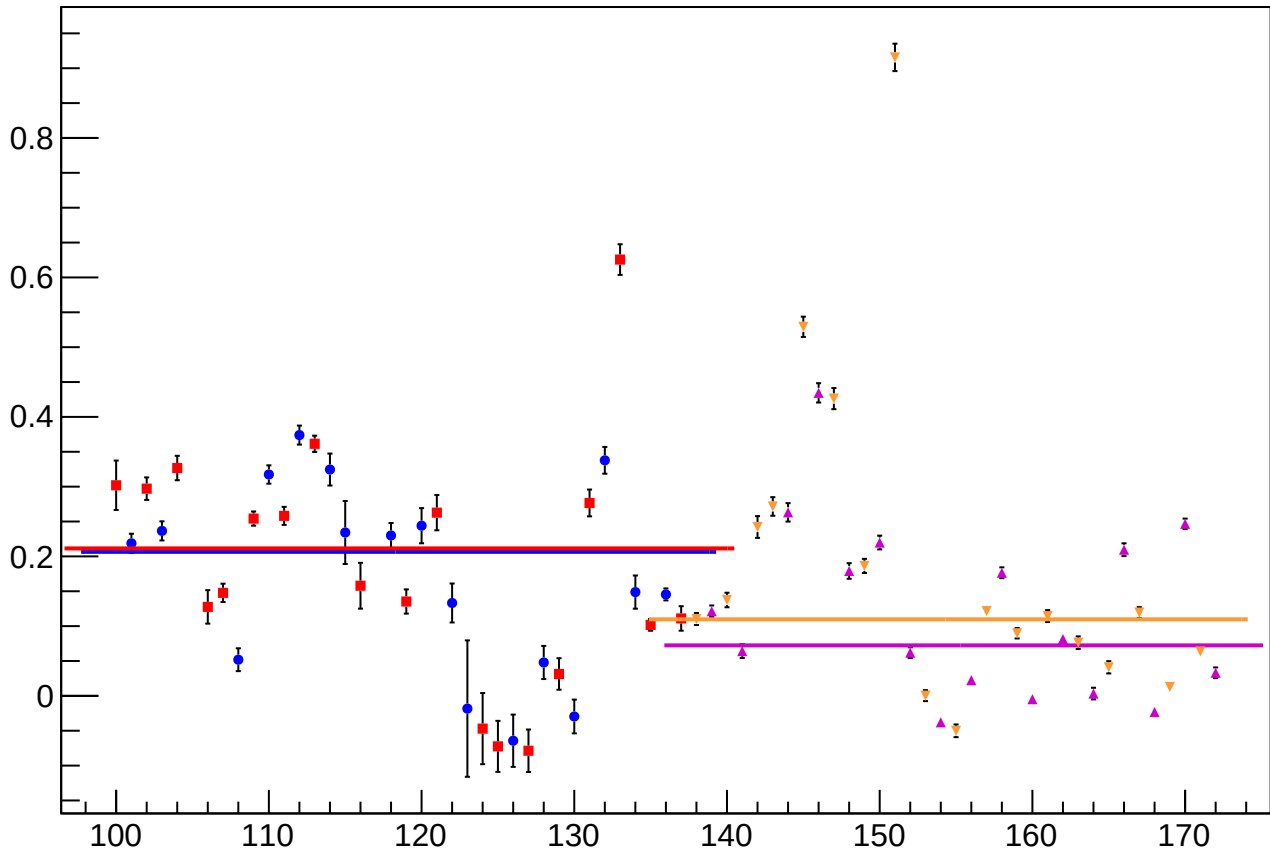
Left In: -2.557 $\pm$ 0.042 χ^2/NDF : 2301.5/16

+ sign -2.640 $\pm$ 0.040 χ^2/NDF : 4422.5/34

All: -2.449 $\pm$ 0.026 χ^2/NDF : 8372.7/70

- sign -2.296 $\pm$ 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: 0.110 $\pm$ 0.002 χ^2/NDF : 4059.8/17

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

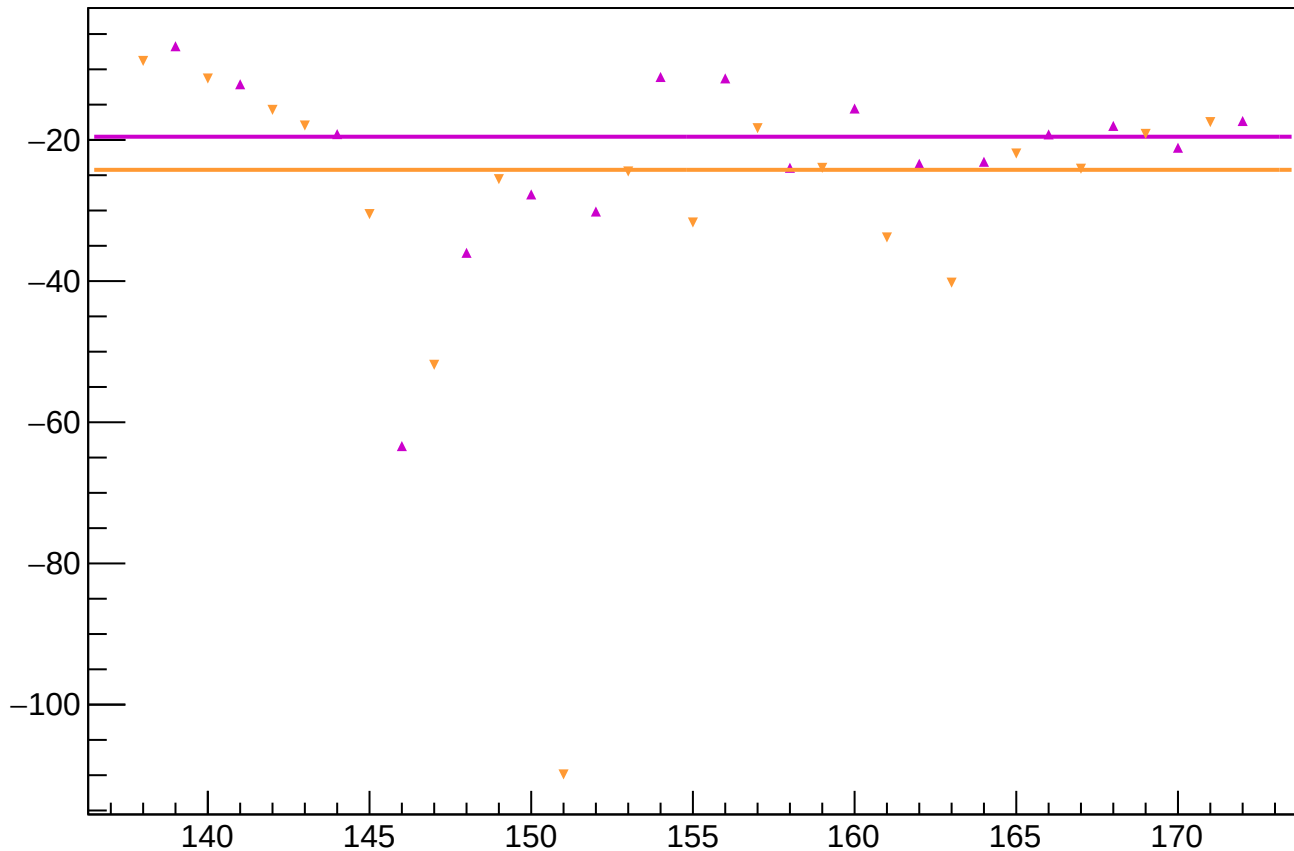
Left In: 0.072 $\pm$ 0.002 χ^2/NDF : 3244.9/16

+ sign 0.129 $\pm$ 0.002 χ^2/NDF : 5134.4/34

All: 0.112 $\pm$ 0.001 χ^2/NDF : 10777.8/70

- 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: -24.236+/-0.057 χ^2/NDF : 57801.1/17

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

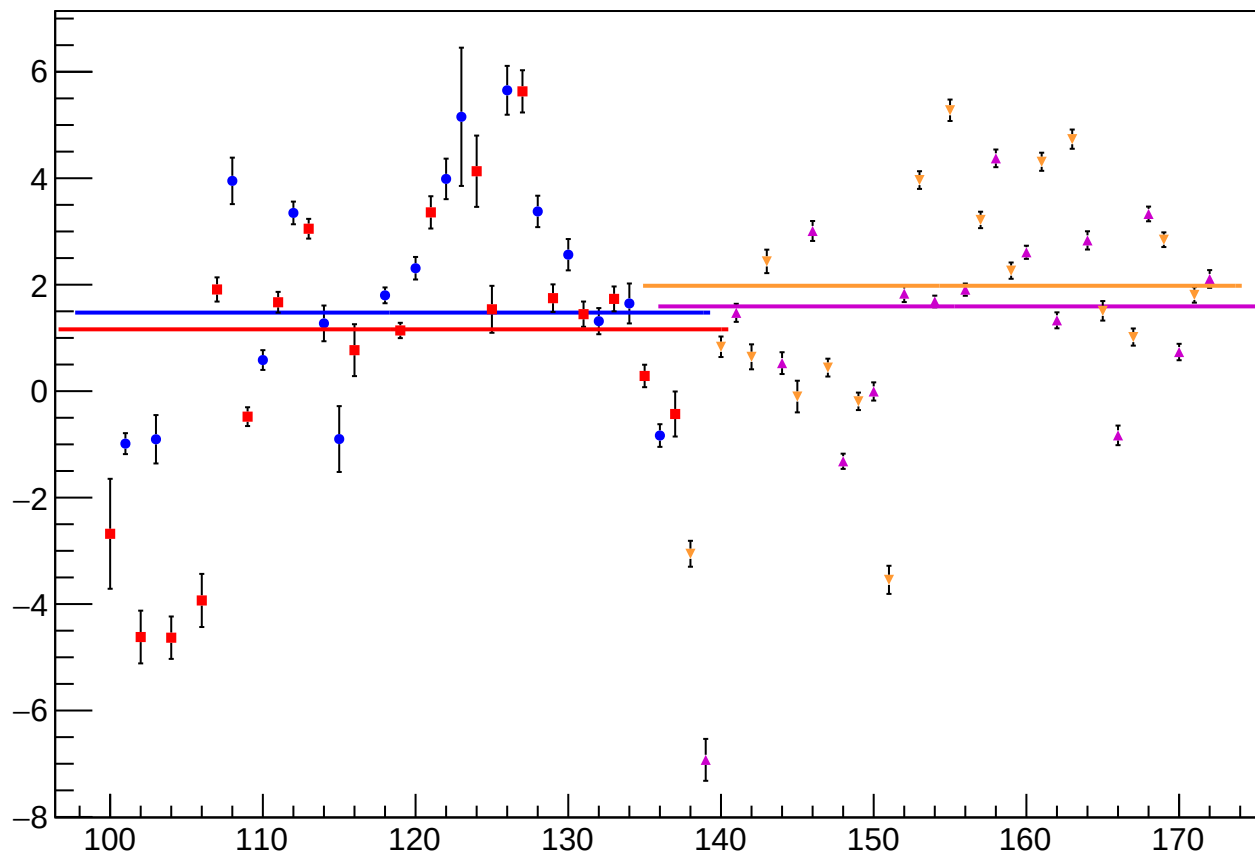
Left In: -19.546+/-0.051 χ^2/NDF : 36446.7/16

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.619+/-0.038 χ^2/NDF : 98003.4/34

- 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: 1.980 $\pm$ 0.042 χ^2/NDF : 2226.8/17

Right Out: 1.161 $\pm$ 0.060 χ^2/NDF : 917.9/18

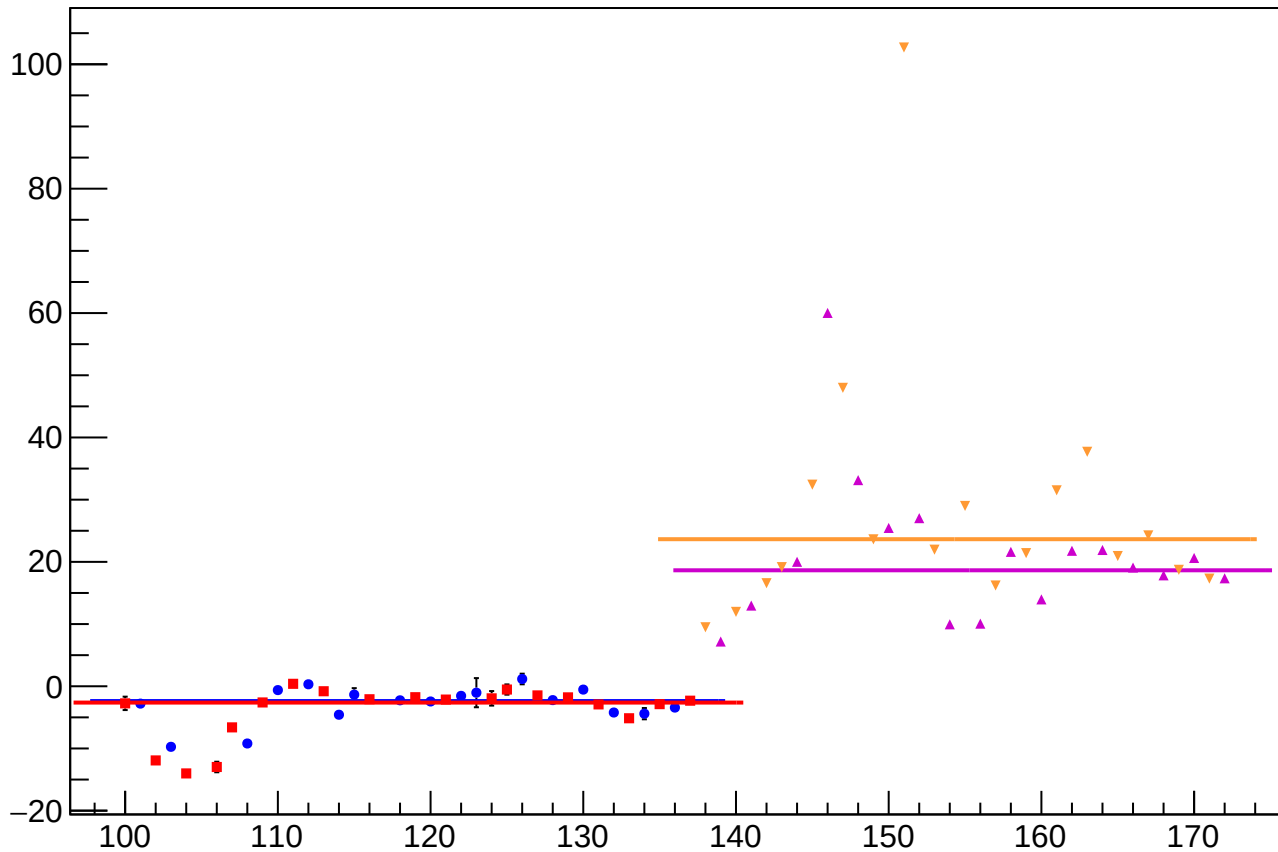
Left In: 1.592 $\pm$ 0.037 χ^2/NDF : 1841.0/16

+ sign 1.825 $\pm$ 0.035 χ^2/NDF : 2930.0/34

All: 1.630 $\pm$ 0.024 χ^2/NDF : 5781.9/70

- 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: 23.645 ± 0.056 $\chi^2/\text{NDF}: 51748.0/17$

Right Out: -2.623 ± 0.103 $\chi^2/\text{NDF}: 841.3/18$

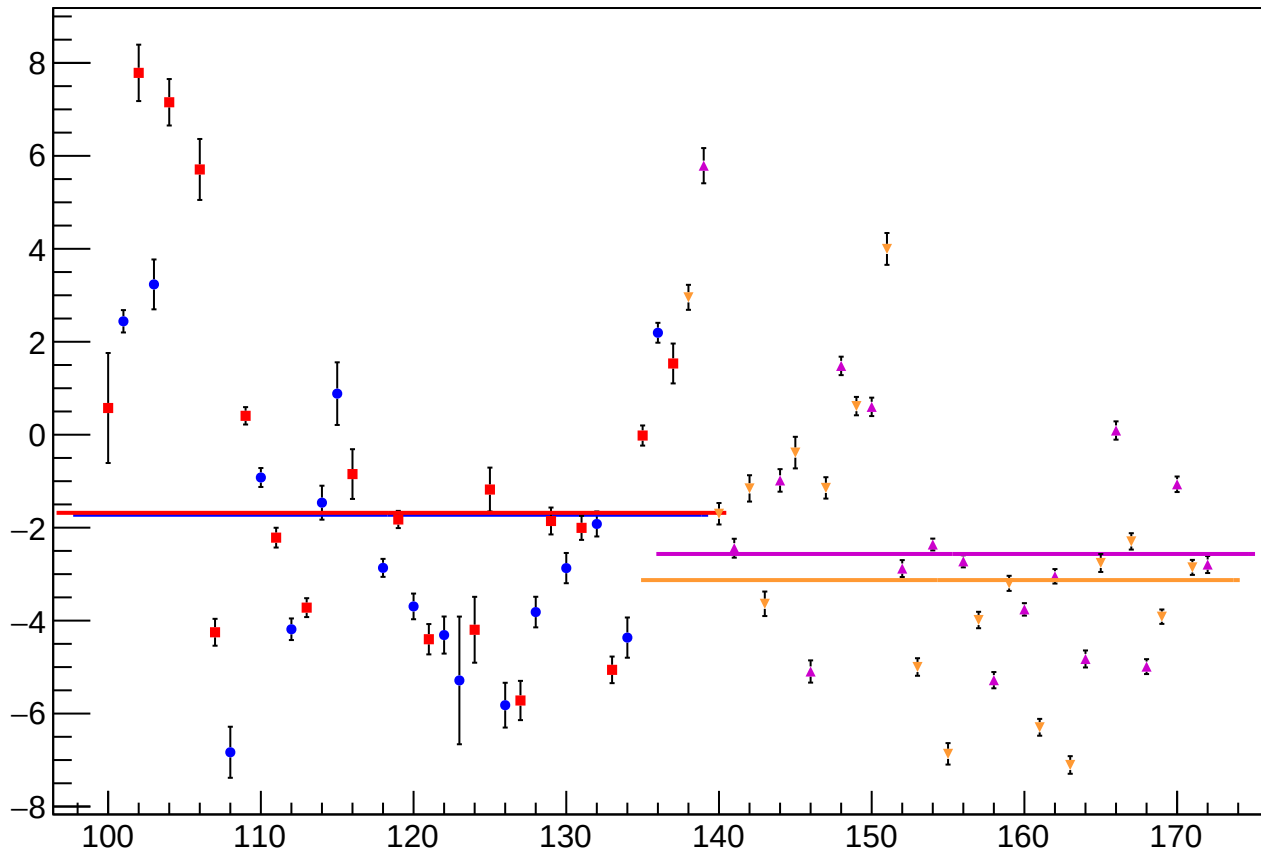
Left In: 18.645 ± 0.050 $\chi^2/\text{NDF}: 34368.7/16$

+ sign 18.603 ± 0.051 $\chi^2/\text{NDF}: 93457.8/34$

All: 16.388 ± 0.033 $\chi^2/\text{NDF}: 166553.7/70$

- 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 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -3.128 ± 0.048 χ^2/NDF : 2716.4/17

Right Out: -1.681 ± 0.068 χ^2/NDF : 1431.0/18

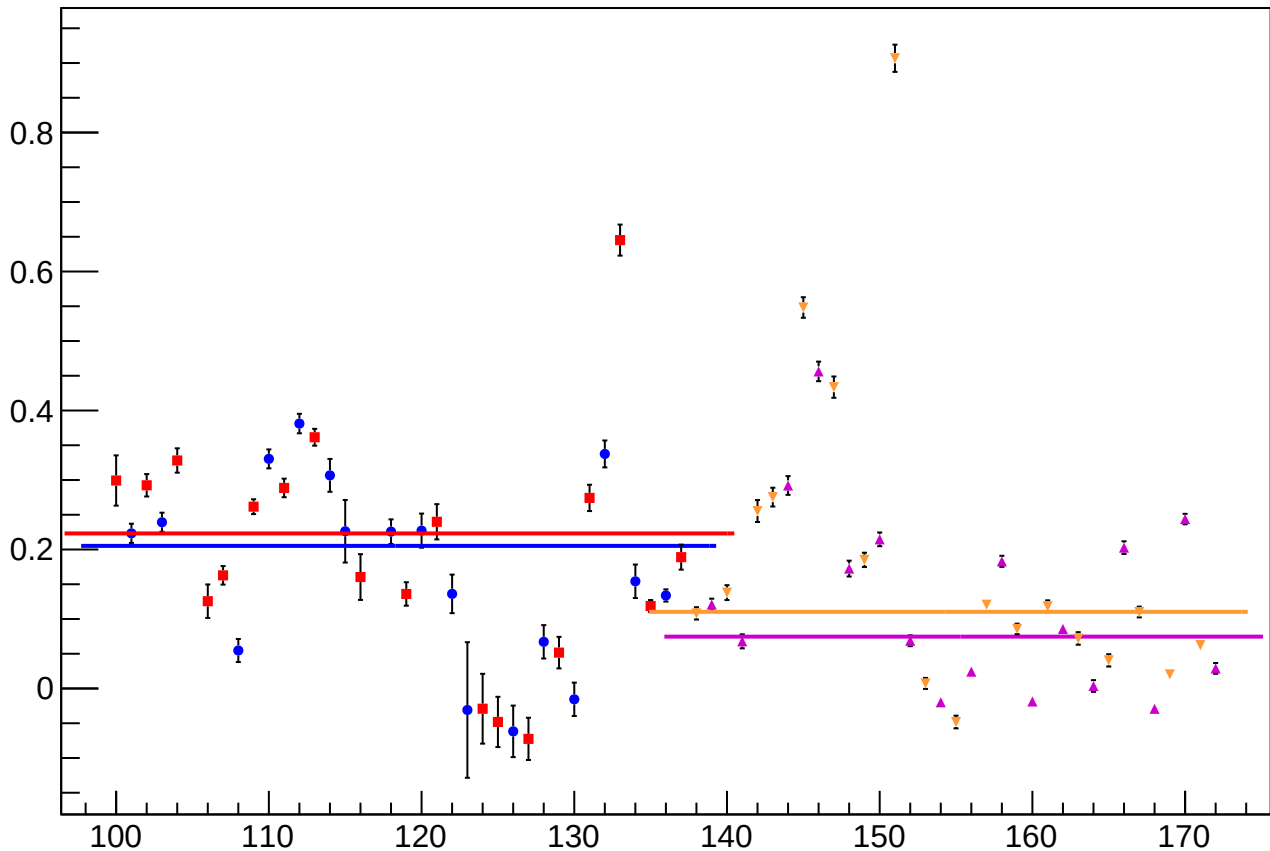
Left In: -2.566 ± 0.042 χ^2/NDF : 2293.4/16

+ sign -2.705 ± 0.040 χ^2/NDF : 4222.5/34

All: -2.491 ± 0.027 χ^2/NDF : 8120.7/70

- sign -2.318 ± 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: 0.110 ± 0.002 χ^2/NDF : 4044.7/17

Right Out: 0.223 ± 0.004 χ^2/NDF : 1040.5/18

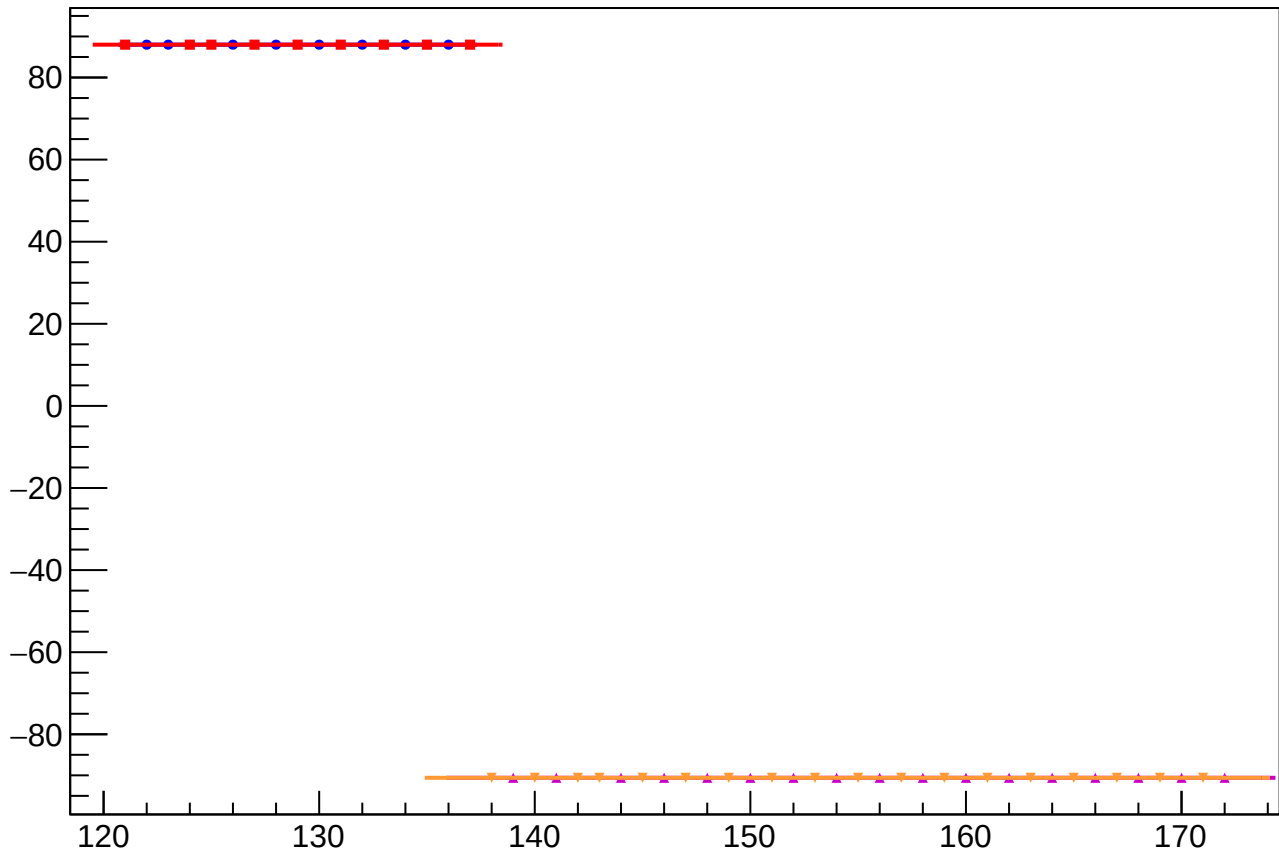
Left In: 0.075 ± 0.002 χ^2/NDF : 3219.8/16

+ sign 0.129 ± 0.002 χ^2/NDF : 5088.8/34

All: 0.114 ± 0.001 χ^2/NDF : 10673.3/70

- 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 : 5218952.3/17

Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

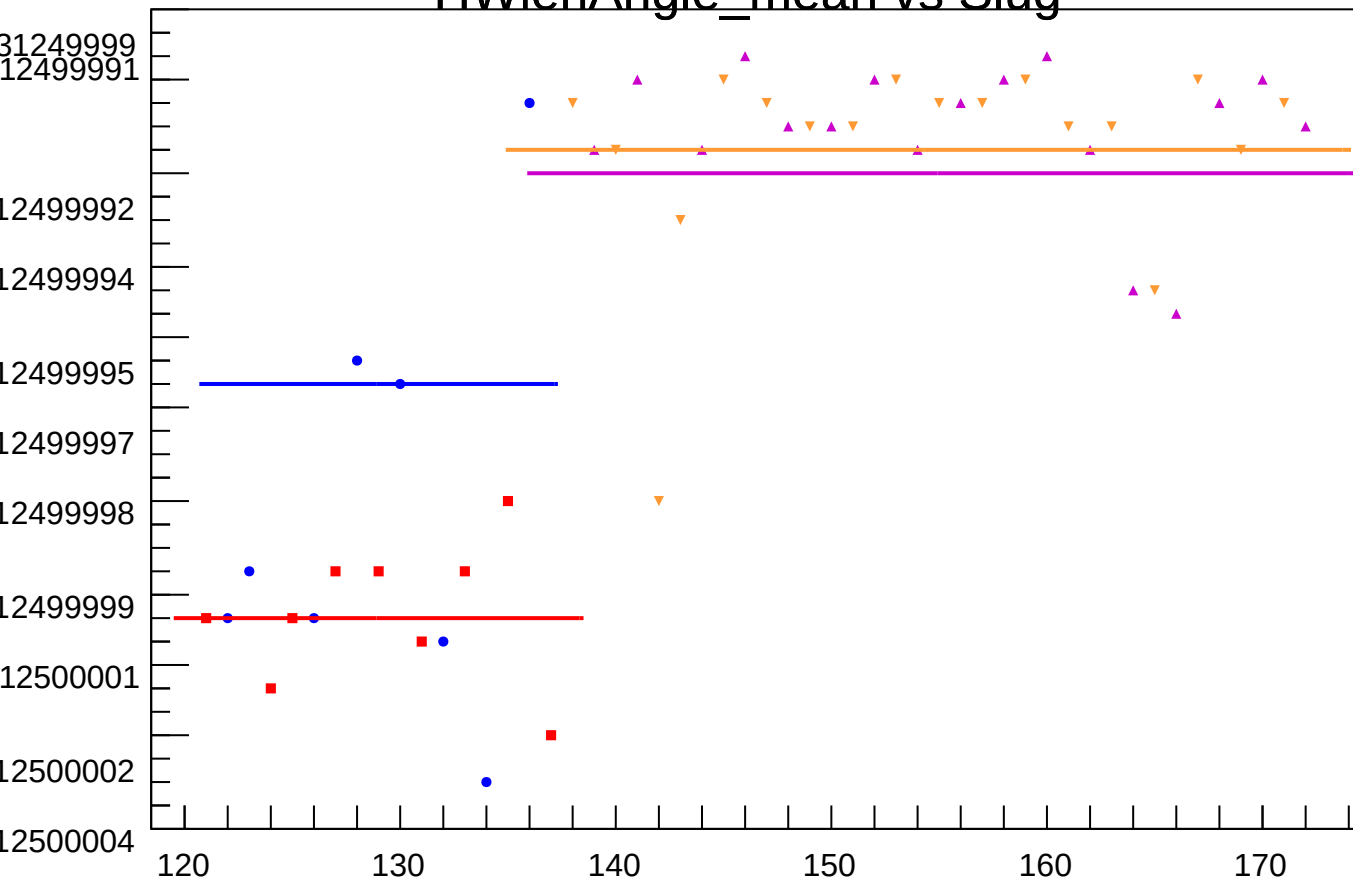
Left In: -90.599+/-0.000 χ^2/NDF : 5092734.5/16

+ sign -55.455+/-0.000 χ^2/NDF : 876243201307248

All: -56.131+/-0.000 χ^2/NDF : 170153870107

- 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 : 228403.6/17

Right Out: -29.641 ± 0.000 χ^2/NDF : 29358.2/8

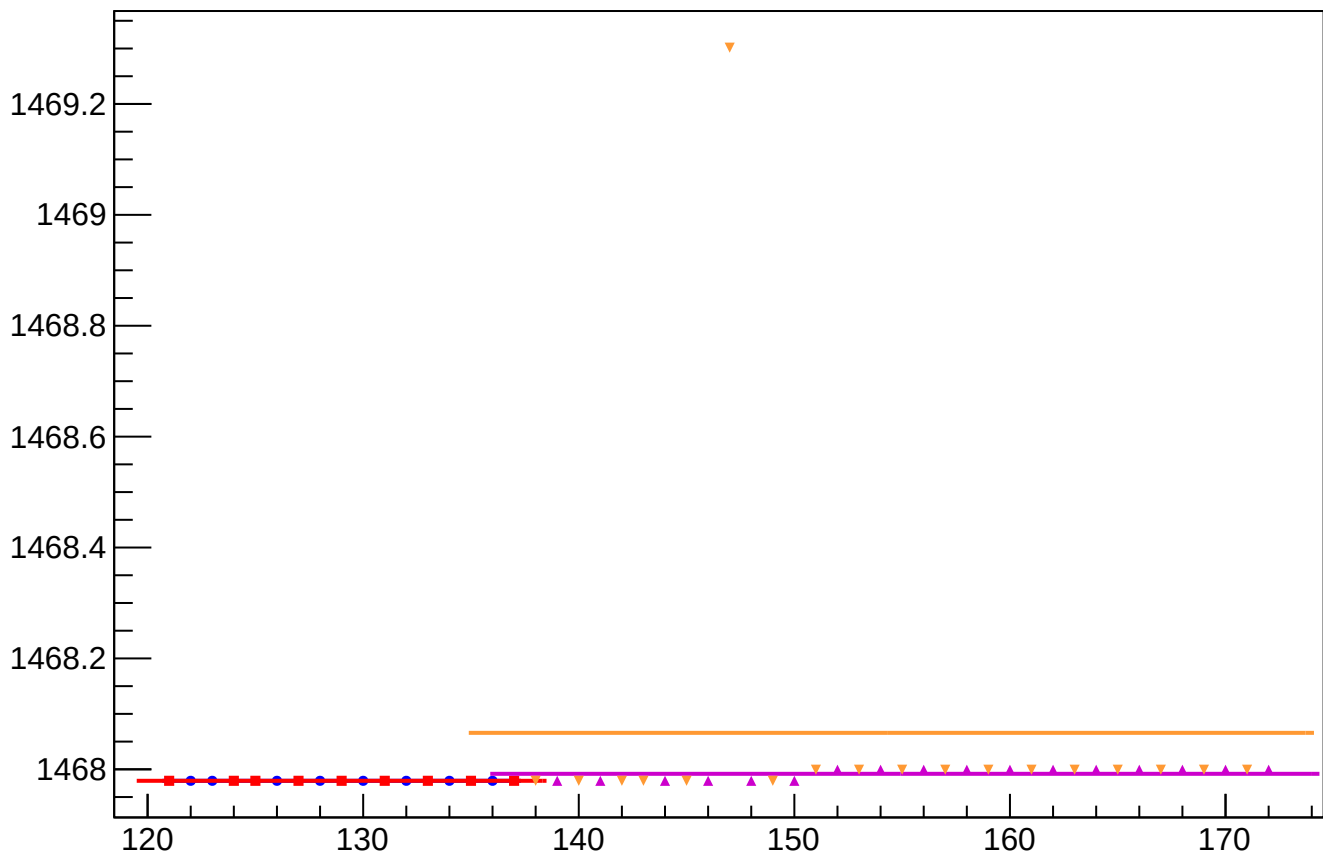
Left In: -29.641 ± 0.000 χ^2/NDF : 202251.3/16

+ sign -29.641 ± 0.000 χ^2/NDF : 1201176.4/25

All: -29.641 ± 0.000 χ^2/NDF : 2829057.2/51

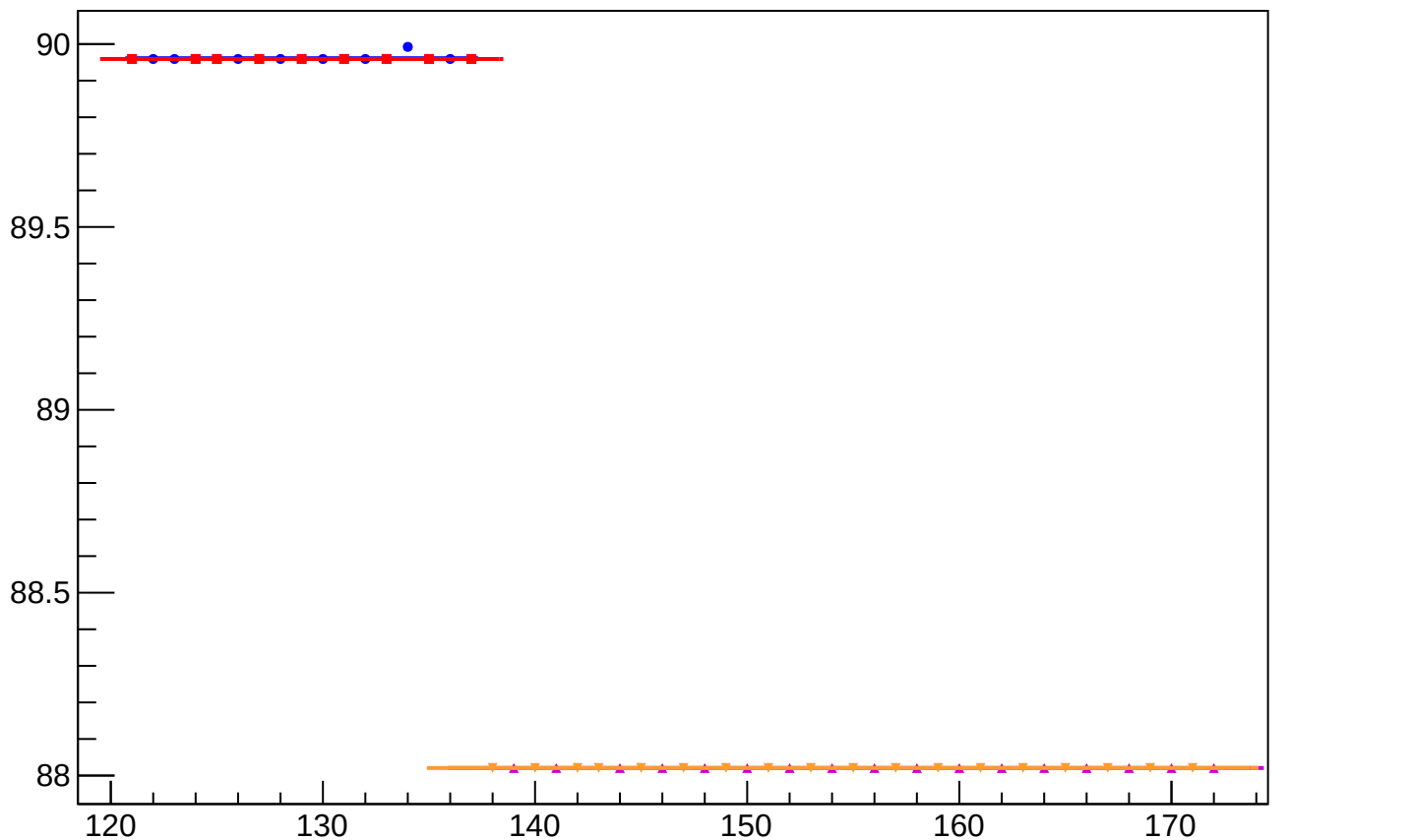
- sign -29.641 ± 0.000 χ^2/NDF : 1944283.4/25

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7
 Left Out: 1468.066+/-0.000 χ^2/NDF : 126274638156017744473598694785024.0/17
 Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8
 Left In: 1467.992+/-0.000 χ^2/NDF : 127535672486177554314249109504.0/16
 + sign 1468.049+/-0.000 χ^2/NDF : 12832931097257
 All: 1468.020+/-0.000 χ^2/NDF : 13150290716
 - sign 1467.990+/-0.000 χ^2/NDF : 16861884997840

Phi_FG_mean vs Slug



Right In: 89.961 ± 0.000 $\chi^2/\text{NDF}: 21528640598708602874349223936.0/7$

Left Out: 88.021 ± 0.000 $\chi^2/\text{NDF}: 4601798.0/17$

Right Out: 89.959 ± 0.000 $\chi^2/\text{NDF}: 331397.3/8$

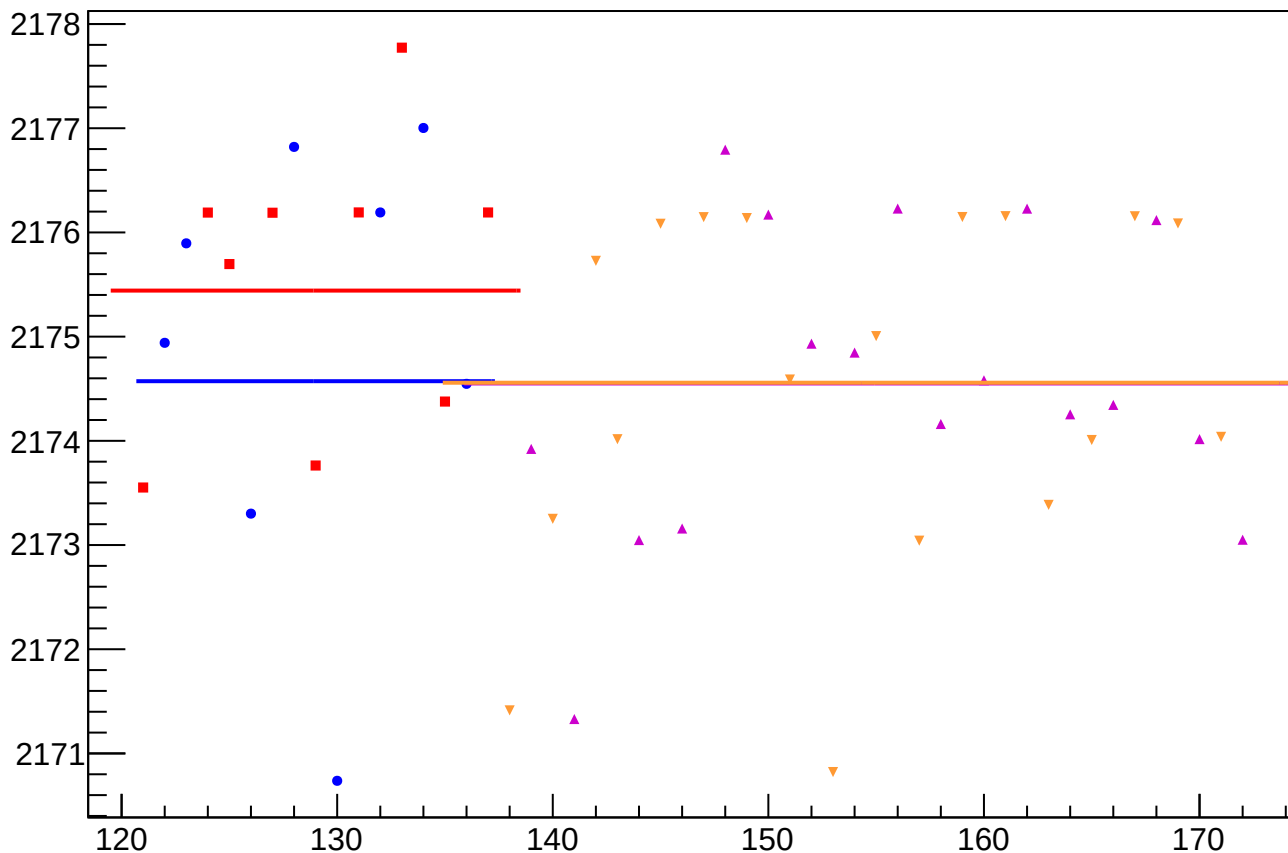
Left In: 88.021 ± 0.000 $\chi^2/\text{NDF}: 4607452.6/16$

+ sign 88.403 ± 0.000 $\chi^2/\text{NDF}: 1034554022272502$

All: 88.395 ± 0.000 $\chi^2/\text{NDF}: 2006908894399$

- sign 88.387 ± 0.000 $\chi^2/\text{NDF}: 9721545526570160$

HALLA_p_mean vs Slug



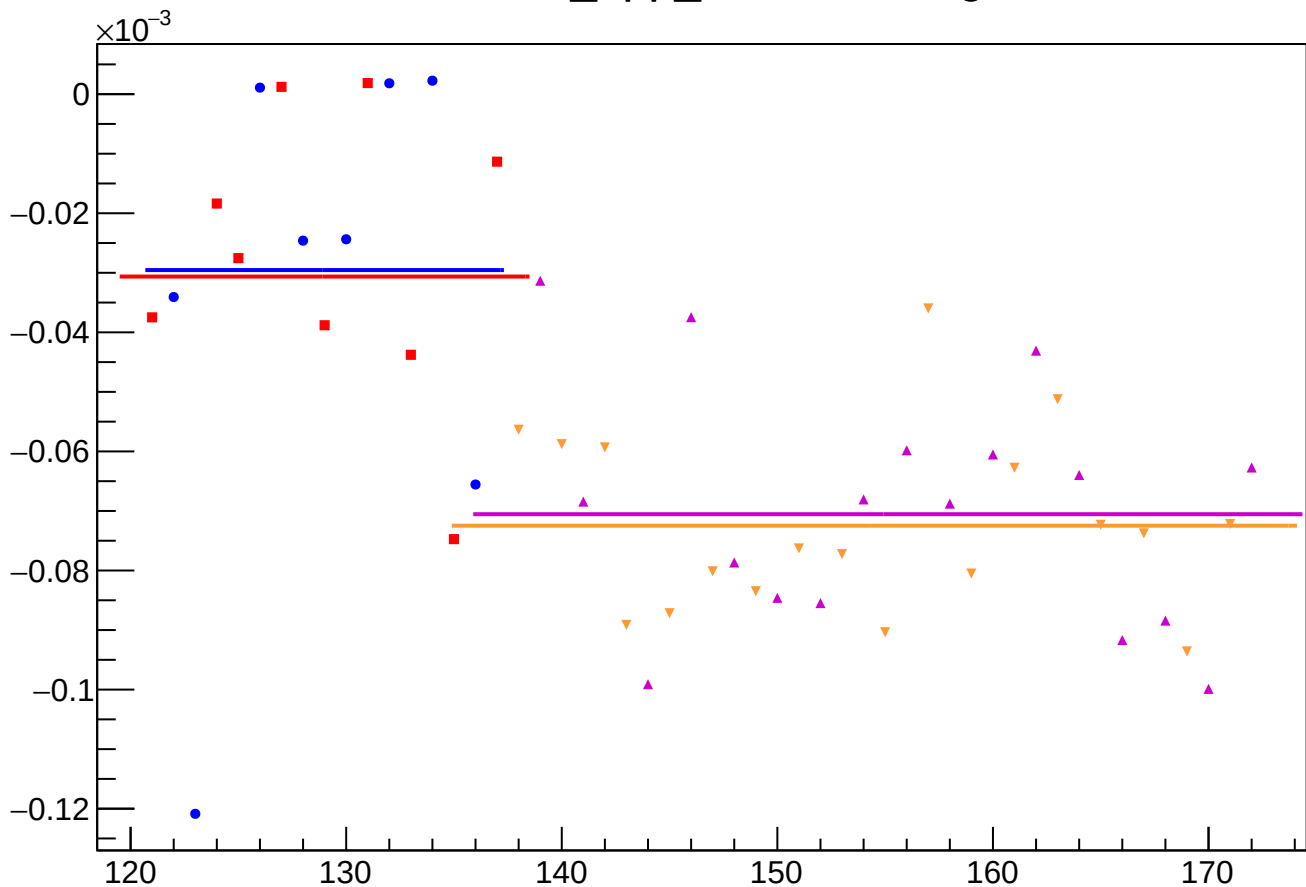
Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.558+/-0.000 χ^2/NDF : 3961617957074318991492364684492800.0/17 + sign 2174.561+/-0.000 χ^2/NDF : 53219418435464

Right Out: 2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8 All: 2174.639+/-0.000 χ^2/NDF : 89769477922

Left In: 2174.551+/-0.000 χ^2/NDF : 2817186094952064124325174219636736.0/16 - sign 2174.719+/-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 : 316521891822752208257024.0/17

Right Out: -0.000 ± 0.000 χ^2/NDF : 196732771178766734983168.0/8

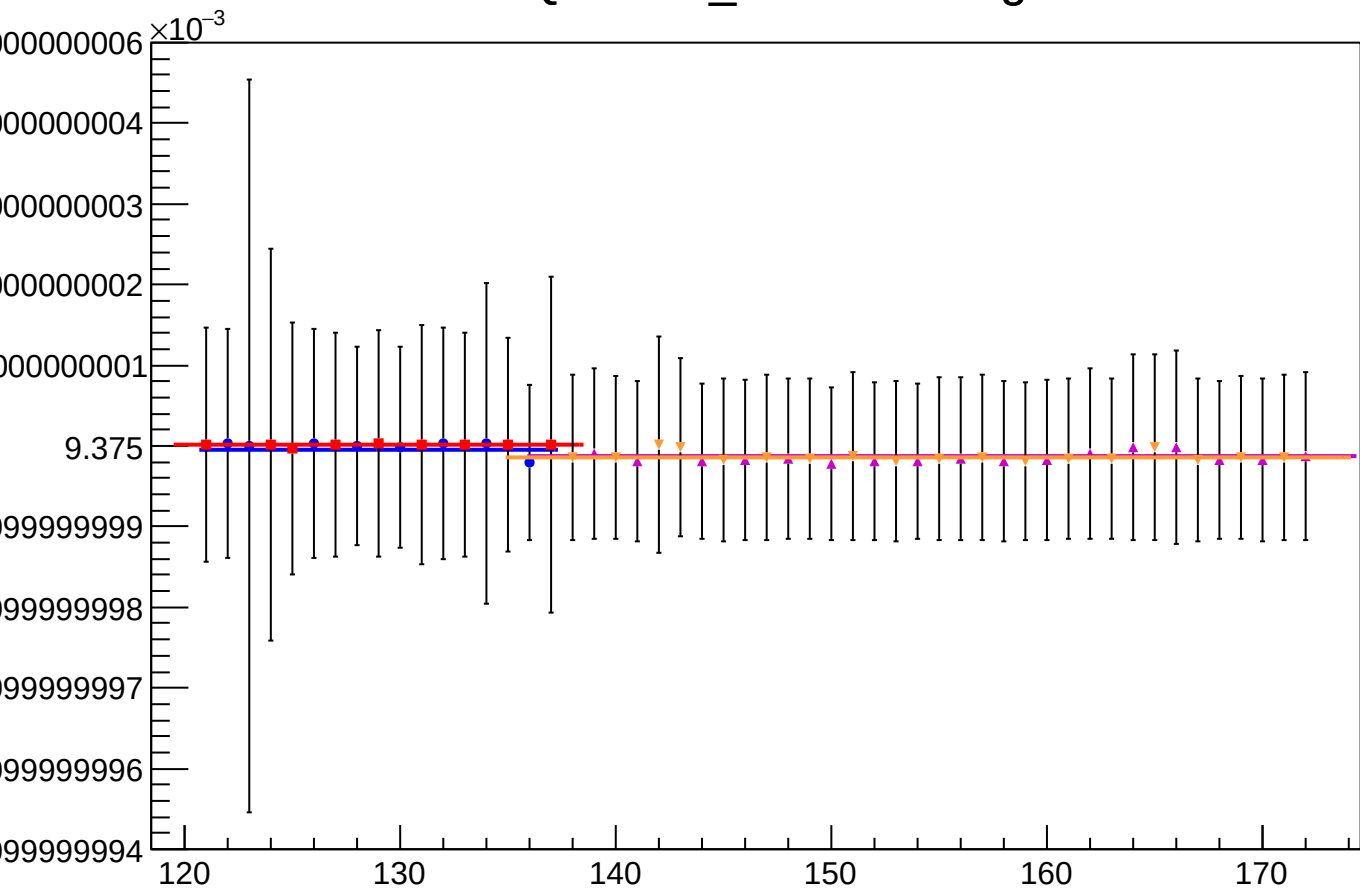
Left In: -0.000 ± 0.000 χ^2/NDF : 525124606031909049335808.0/16

+ sign -0.000 ± 0.000 χ^2/NDF : 1072917643902738

All: -0.000 ± 0.000 χ^2/NDF : 2207700597372

- sign -0.000 ± 0.000 χ^2/NDF : 11338764609752553

MQ171LM_mean vs Slug



Right In: 0.009 ± 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 ± 0.000 χ^2/NDF : 0.0/17

Right Out: 0.009 ± 0.000 χ^2/NDF : 0.0/8

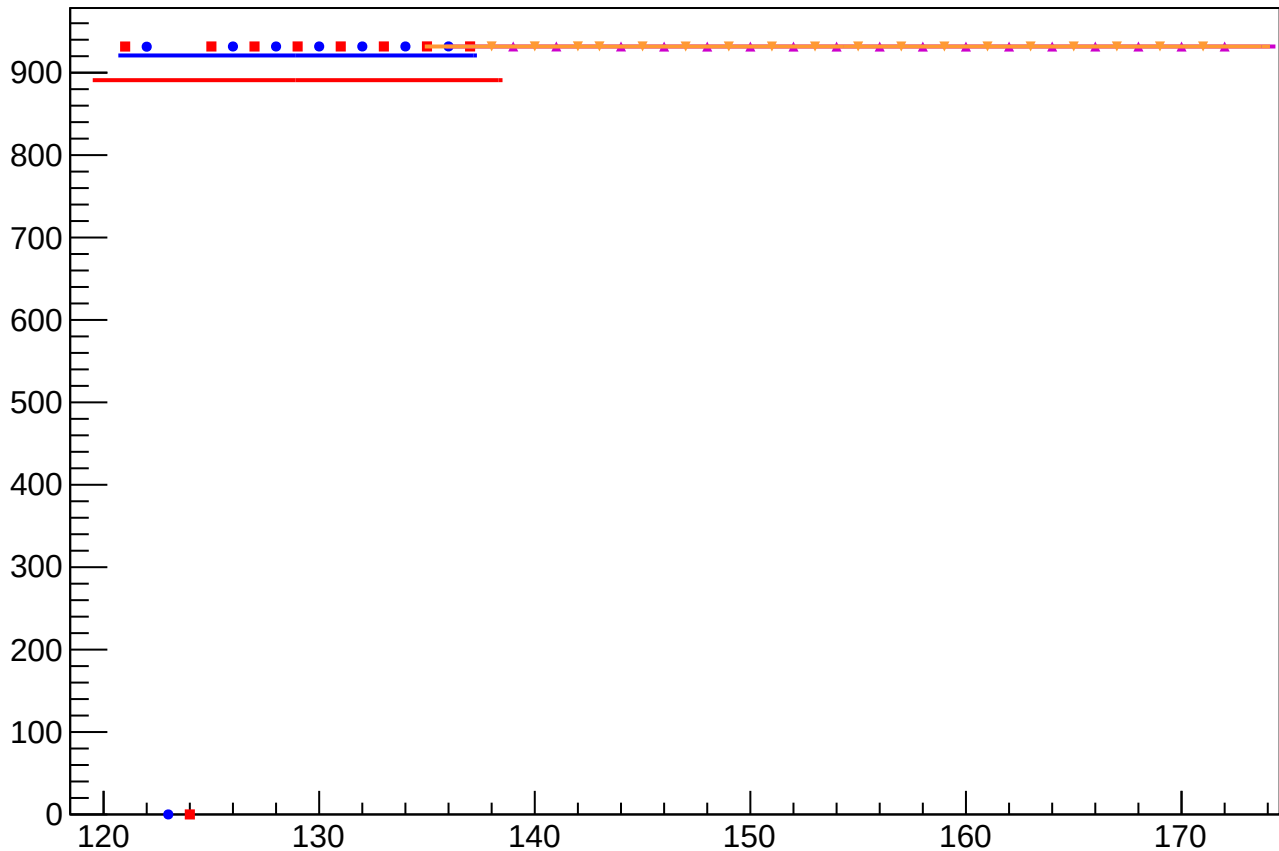
Left In: 0.009 ± 0.000 χ^2/NDF : 0.1/16

+ sign 0.009 ± 0.000 χ^2/NDF : 0.1/25

All: 0.009 ± 0.000 χ^2/NDF : 0.3/51

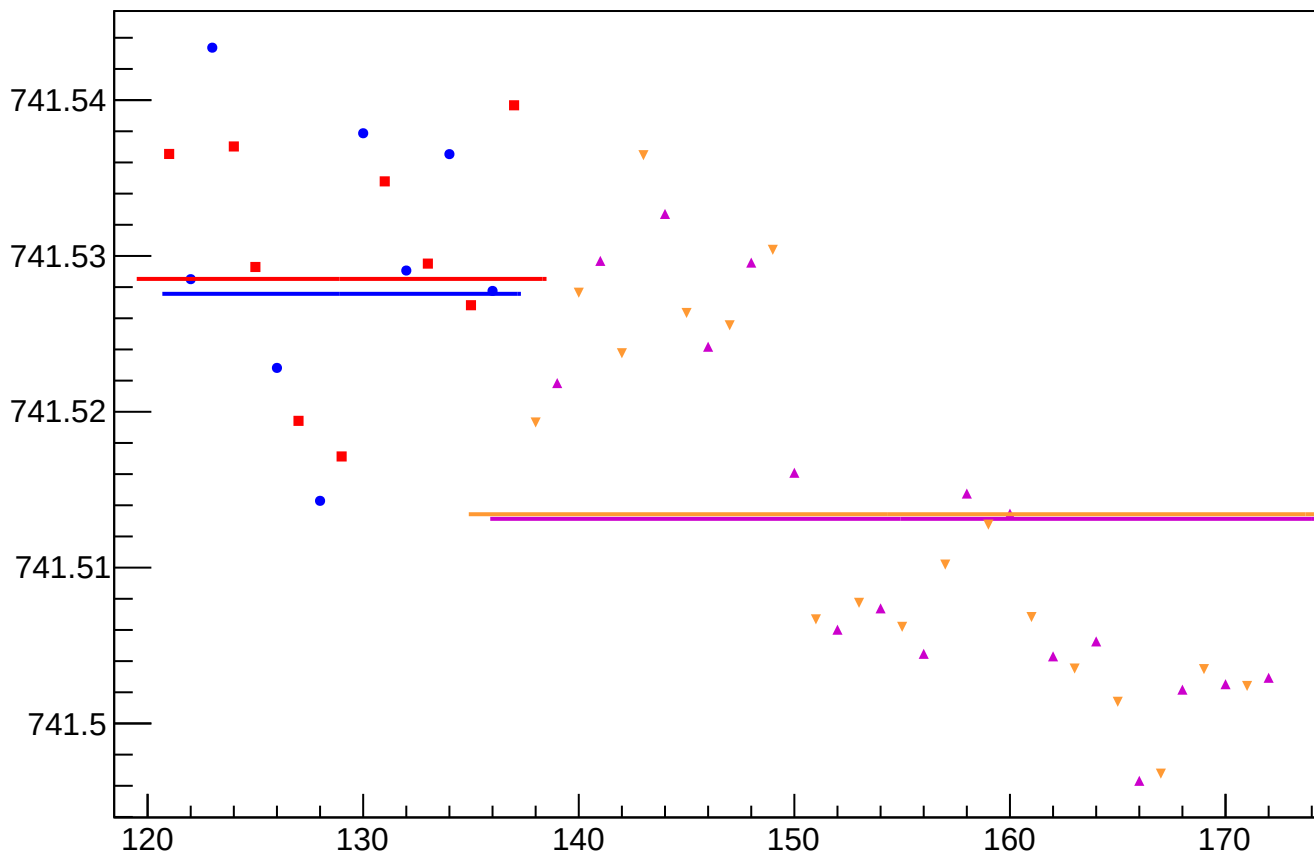
- sign 0.009 ± 0.000 χ^2/NDF : 0.1/25

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 $\pm$ 0.000 χ^2 /NDF: 34321288419518999861299566212080992256.0/7
 Left Out: 931.784 $\pm$ 0.000 χ^2 /NDF: 3845305844464548797182728208384.0/17
 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 $\pm$ 0.000 χ^2 /NDF: 18896144326732419810052800512.0/7

Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 181213363206903929492855586816.0/17

Right Out: 741.529 $\pm$ 0.000 χ^2 /NDF: 16580353917842624420385914880.0/8

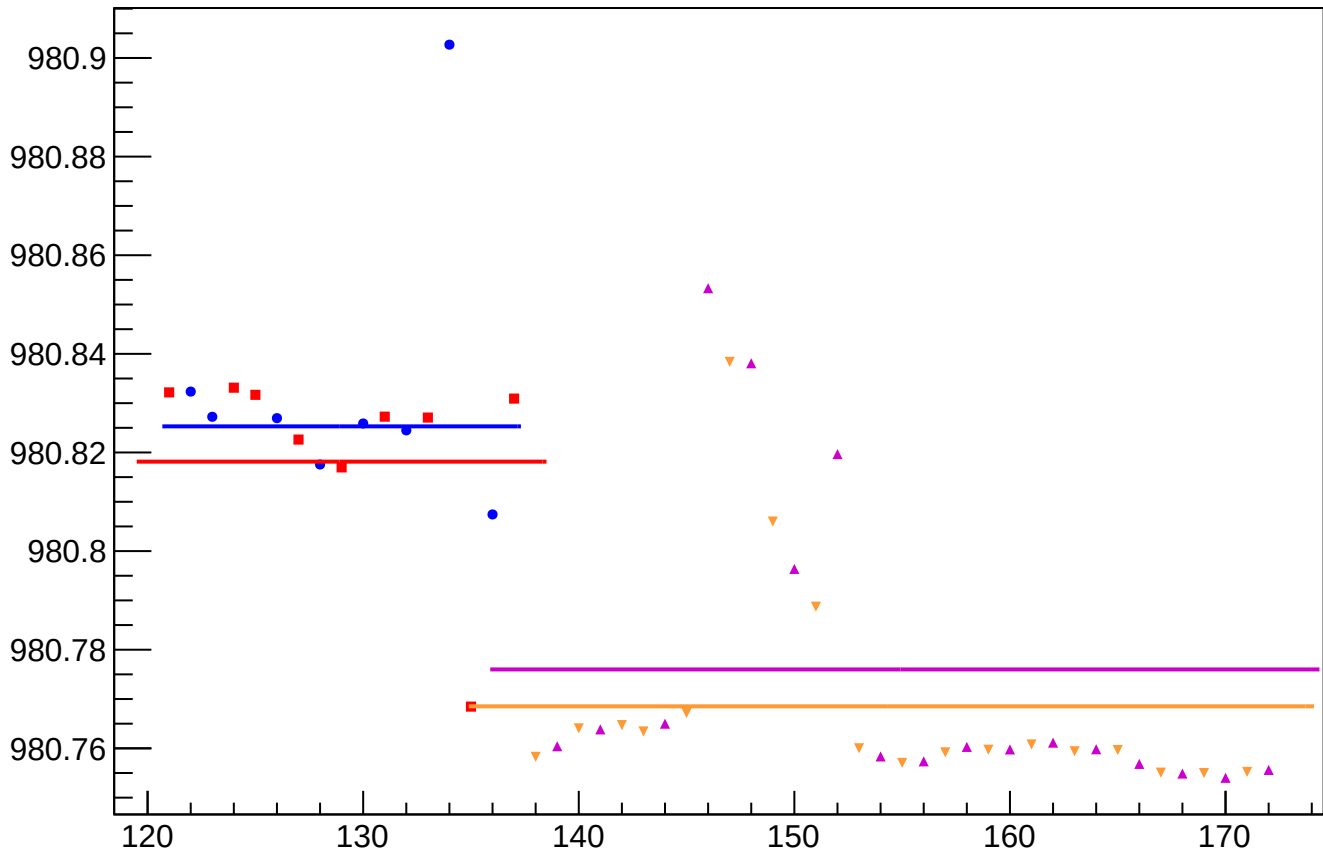
Left In: 741.513 $\pm$ 0.000 χ^2 /NDF: 163634028006503113282012839936.0/16

+ sign 741.516 $\pm$ 0.000 χ^2 /NDF: 255061392677120

All: 741.516 $\pm$ 0.000 χ^2 /NDF: 496616563485

- sign 741.516 $\pm$ 0.000 χ^2 /NDF: 241531158506759

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825 $\pm$ 0.000 χ^2 /NDF: 159345321268745350954763681792.0/7

Left Out: 980.769 $\pm$ 0.000 χ^2 /NDF: 633151057383200059878918848512.0/17

Right Out: 980.818 $\pm$ 0.000 χ^2 /NDF: 143689912167528137563261894656.0/8

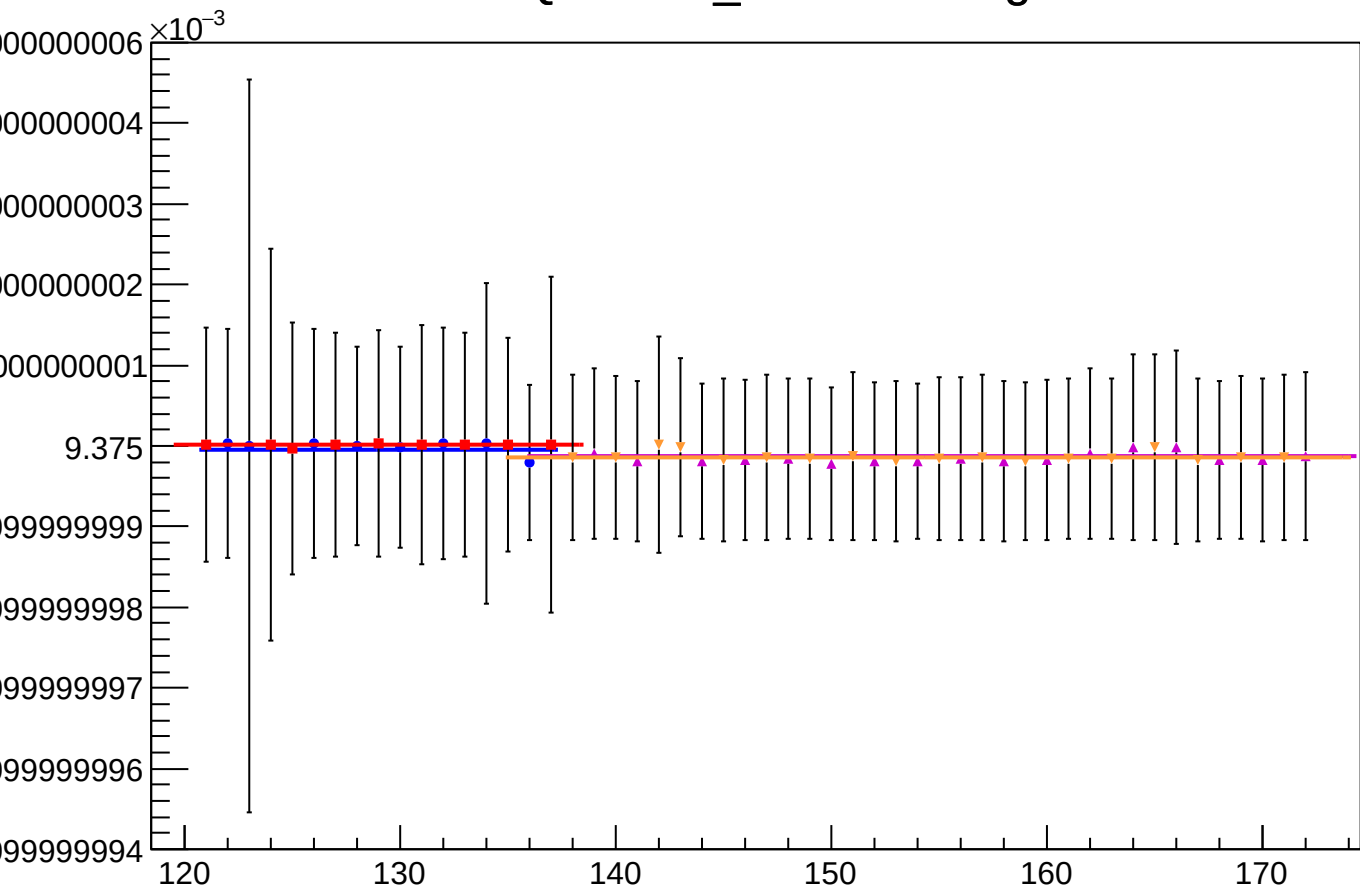
Left In: 980.776 $\pm$ 0.000 χ^2 /NDF: 1326530022484091802509549502464.0/16

+ sign 980.780 $\pm$ 0.000 χ^2 /NDF: 167790102139667

All: 980.782 $\pm$ 0.000 χ^2 /NDF: 362314412303

- 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: 0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

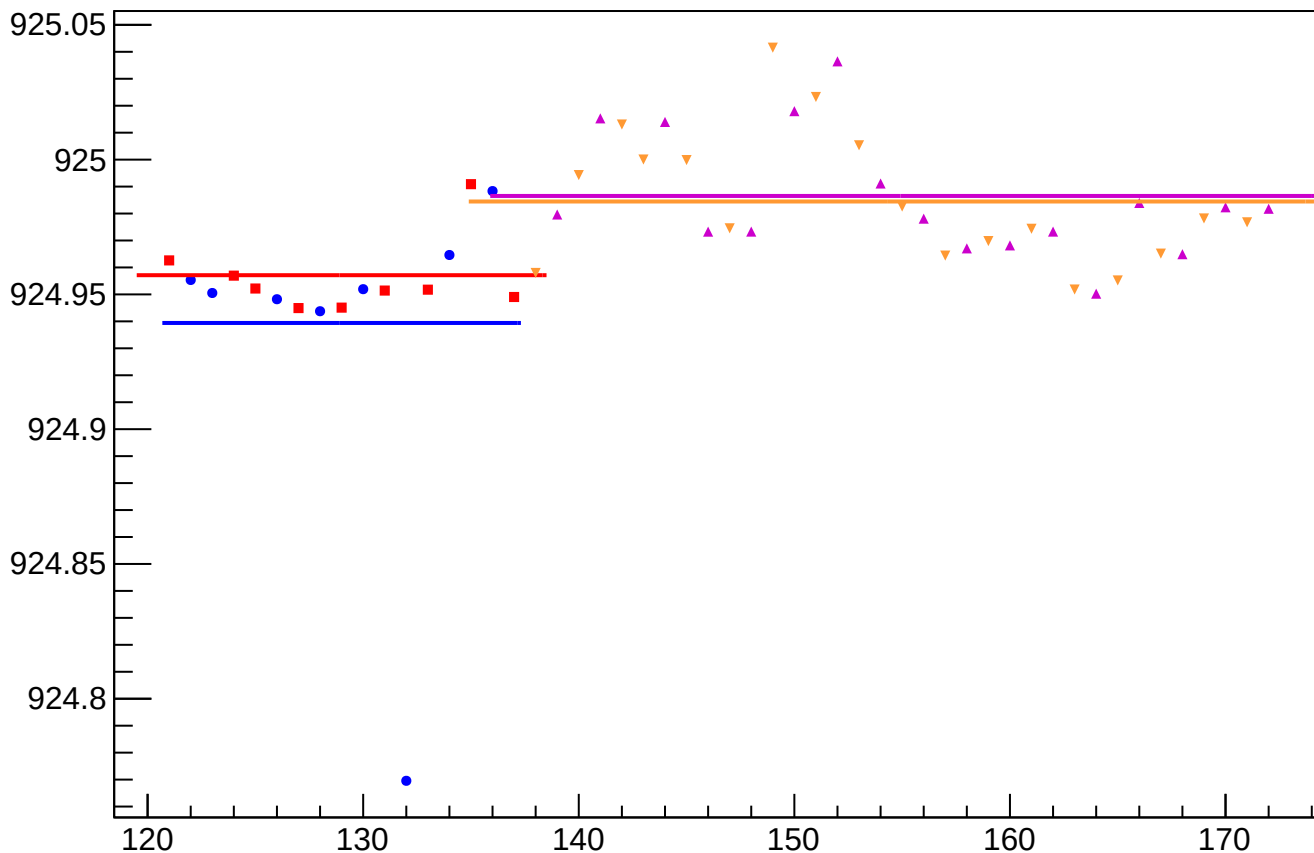
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/51

- 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: 810056527863154047455145754624.0/17

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: 276927909329322.0/17

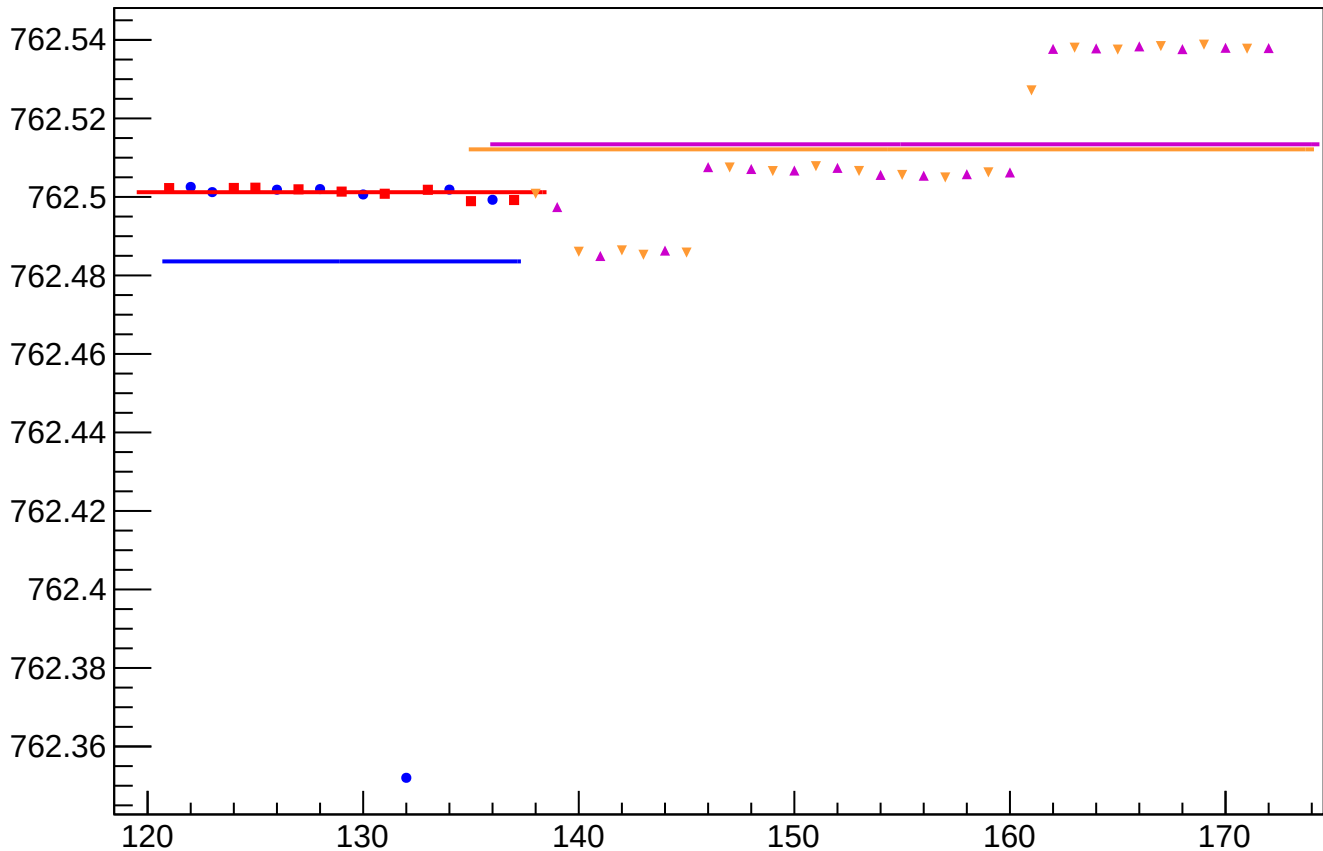
All: 924.978 $\pm$ 0.000

χ^2 /NDF: 377234836694.0/17

- sign 924.981 $\pm$ 0.000

χ^2 /NDF: 978415023030557.0/17

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484+/-0.000

χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.512+/-0.000

χ^2/NDF : 500873153590950546919126990848.0/17

Right Out: 762.501+/-0.000

χ^2/NDF : 469794702848036819563446272.0/8

Left In: 762.513+/-0.000

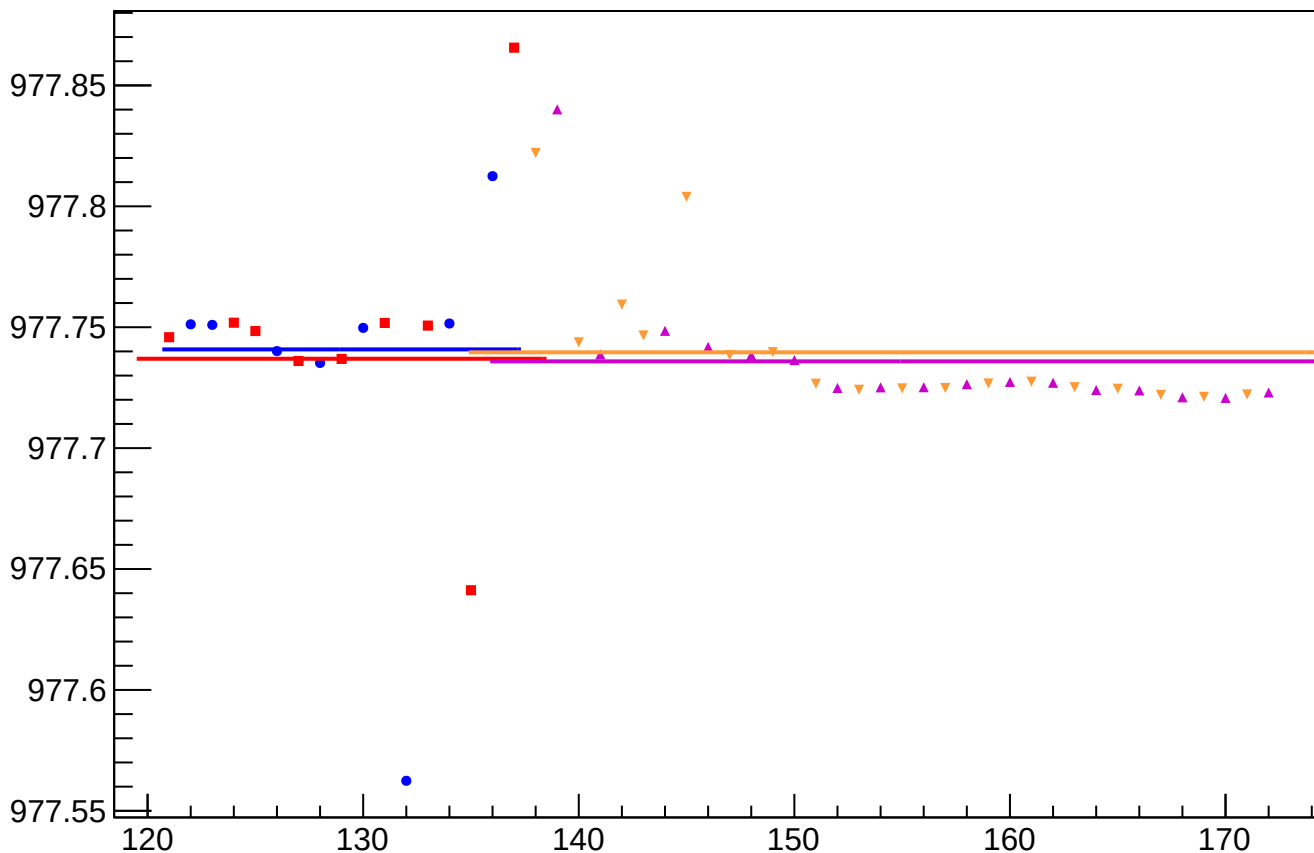
χ^2/NDF : 448718493842171913033146695680.0/16

+ sign 762.507+/-0.000 χ^2/NDF : 150910580930202

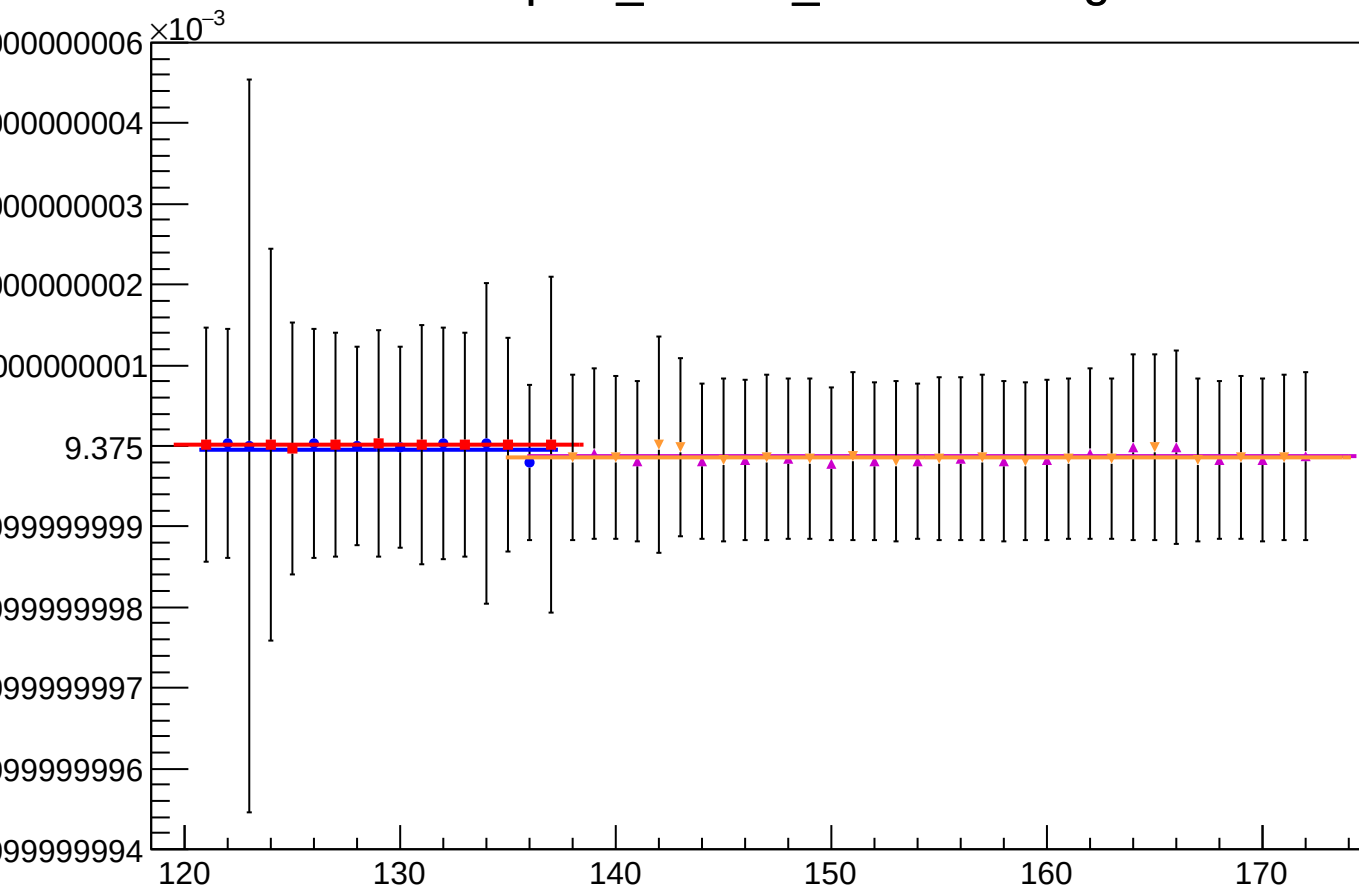
All: 762.509+/-0.000 χ^2/NDF : 201492832270

- sign 762.511+/-0.000 χ^2/NDF : 487721363586025

HacR_Q3_HP3458A_IOUT_mean vs Slug



hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

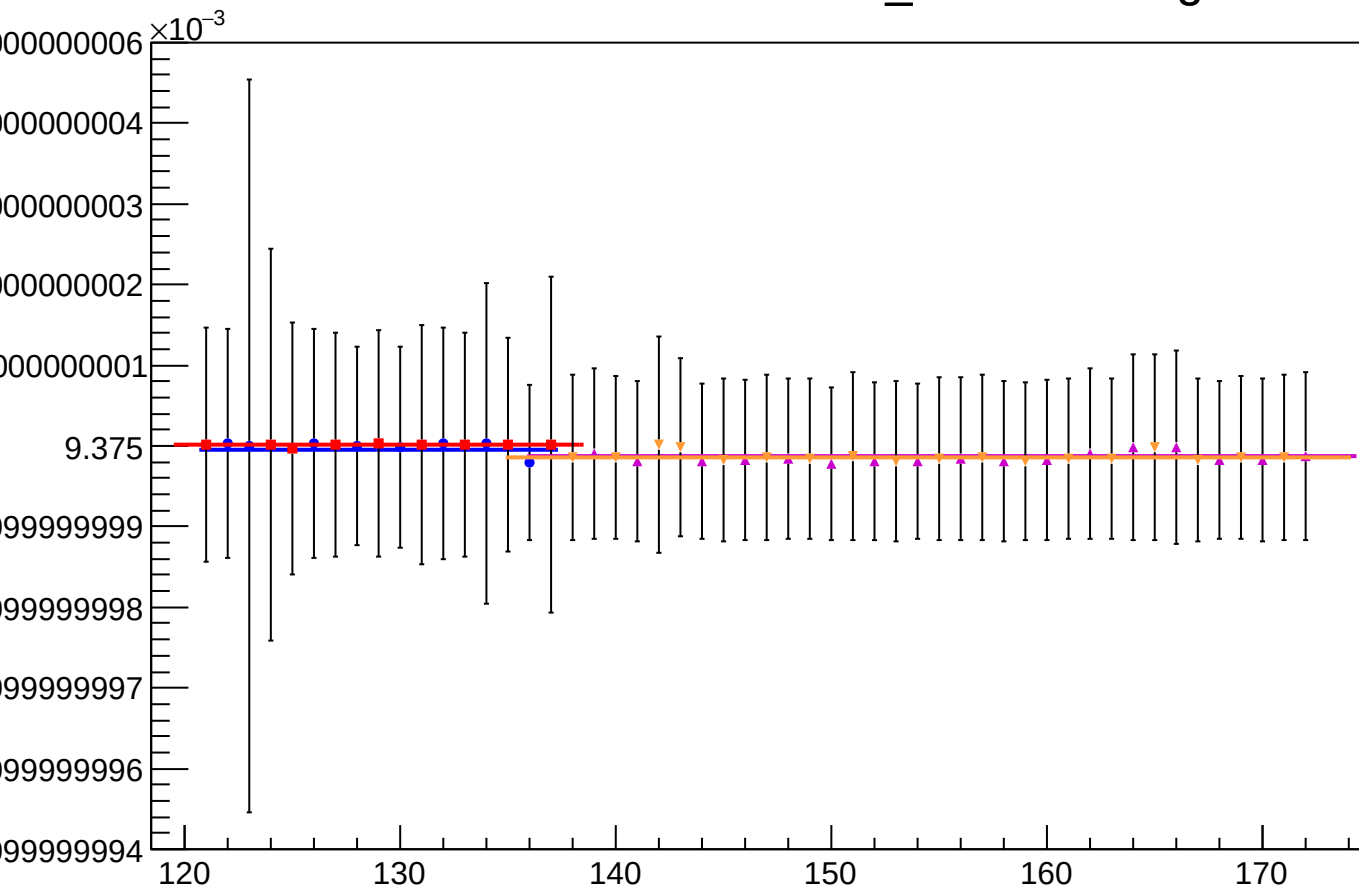
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/51

- 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:0.0/17

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

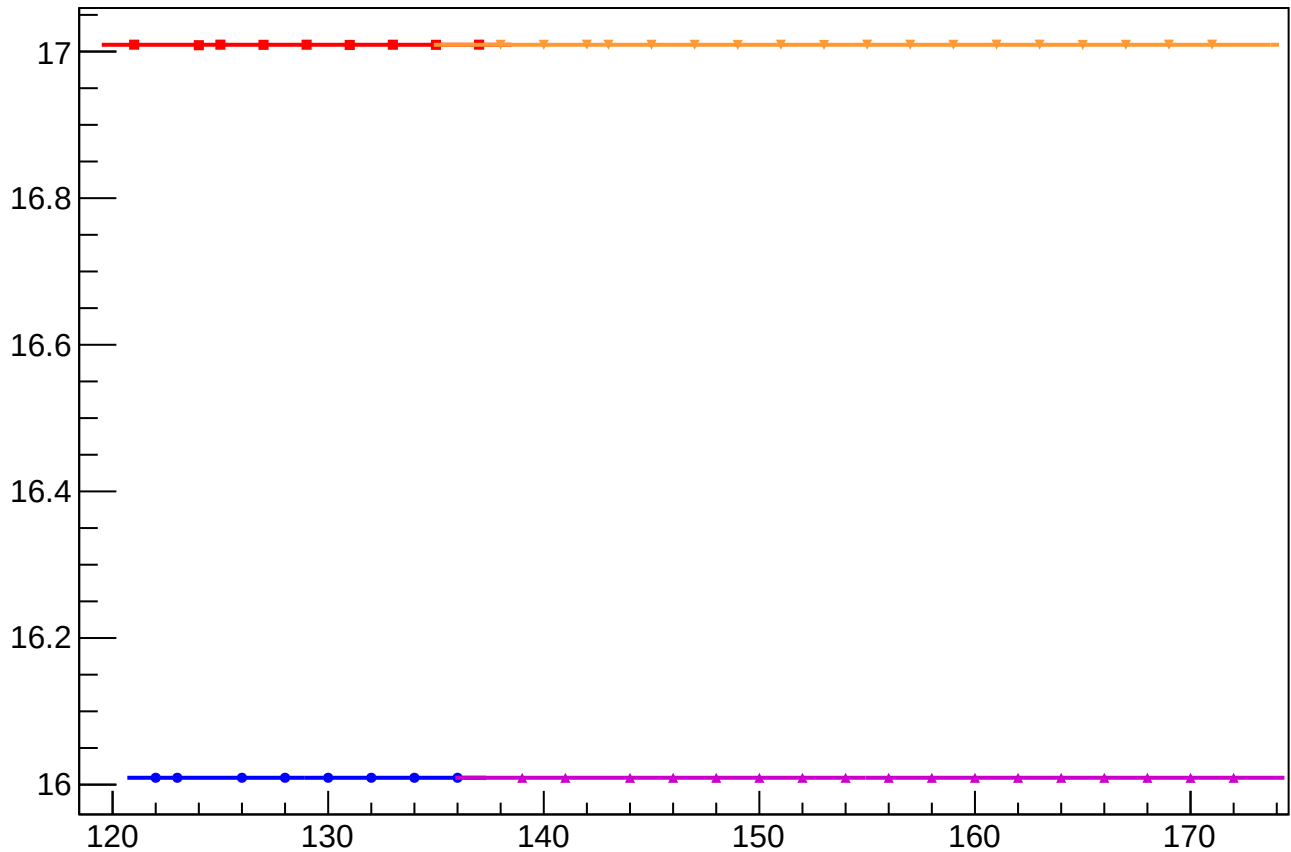
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/51

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/25

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 20986789774034711395434496.0/17

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 8333578329558812540796928.0/8

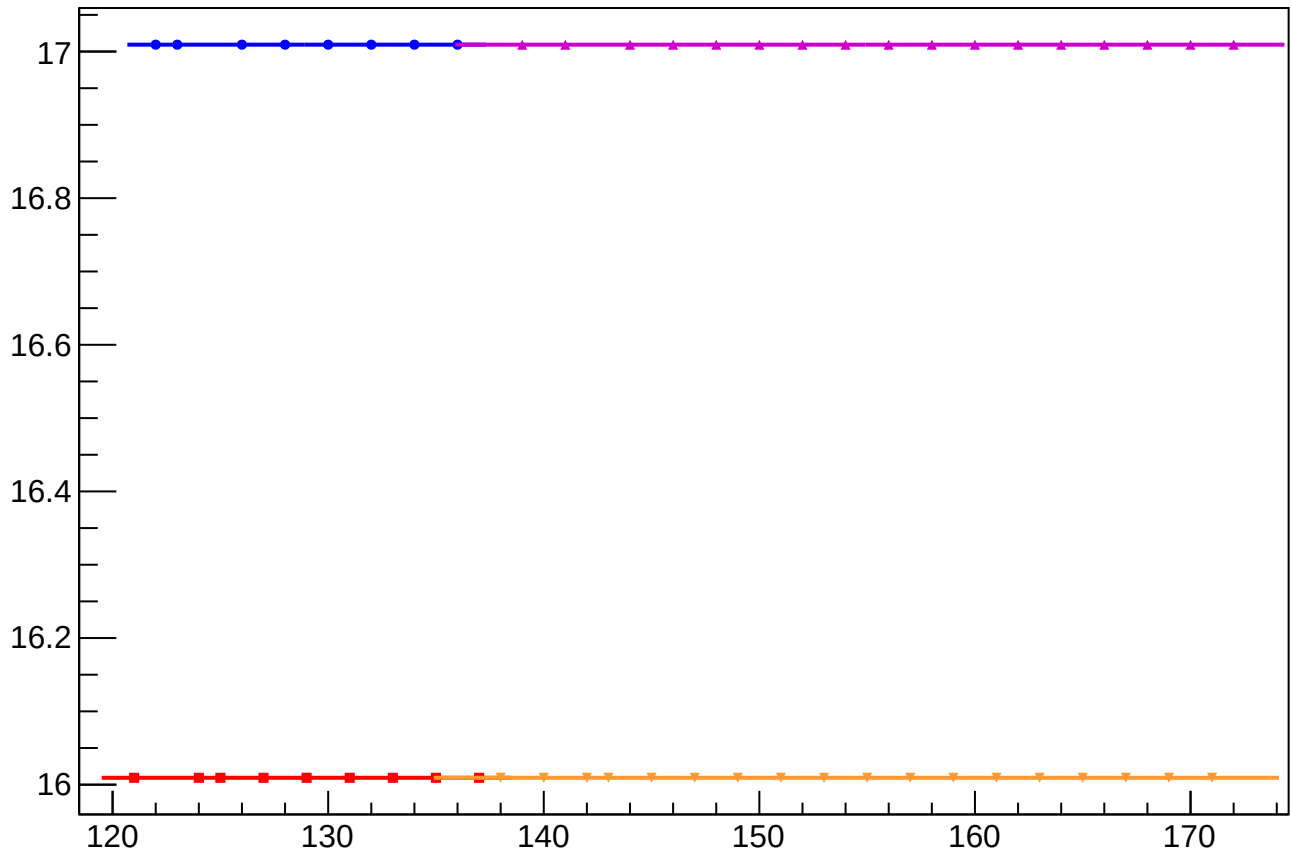
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 126061921088128723976192.0/16

+ sign 16.813 $\pm$ 0.000 χ^2/NDF : 2538734481658793

All: 16.511 $\pm$ 0.000 χ^2/NDF : 7940329194593

- sign 16.202 $\pm$ 0.000 χ^2/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: 77914.2/17

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 17859.8/8

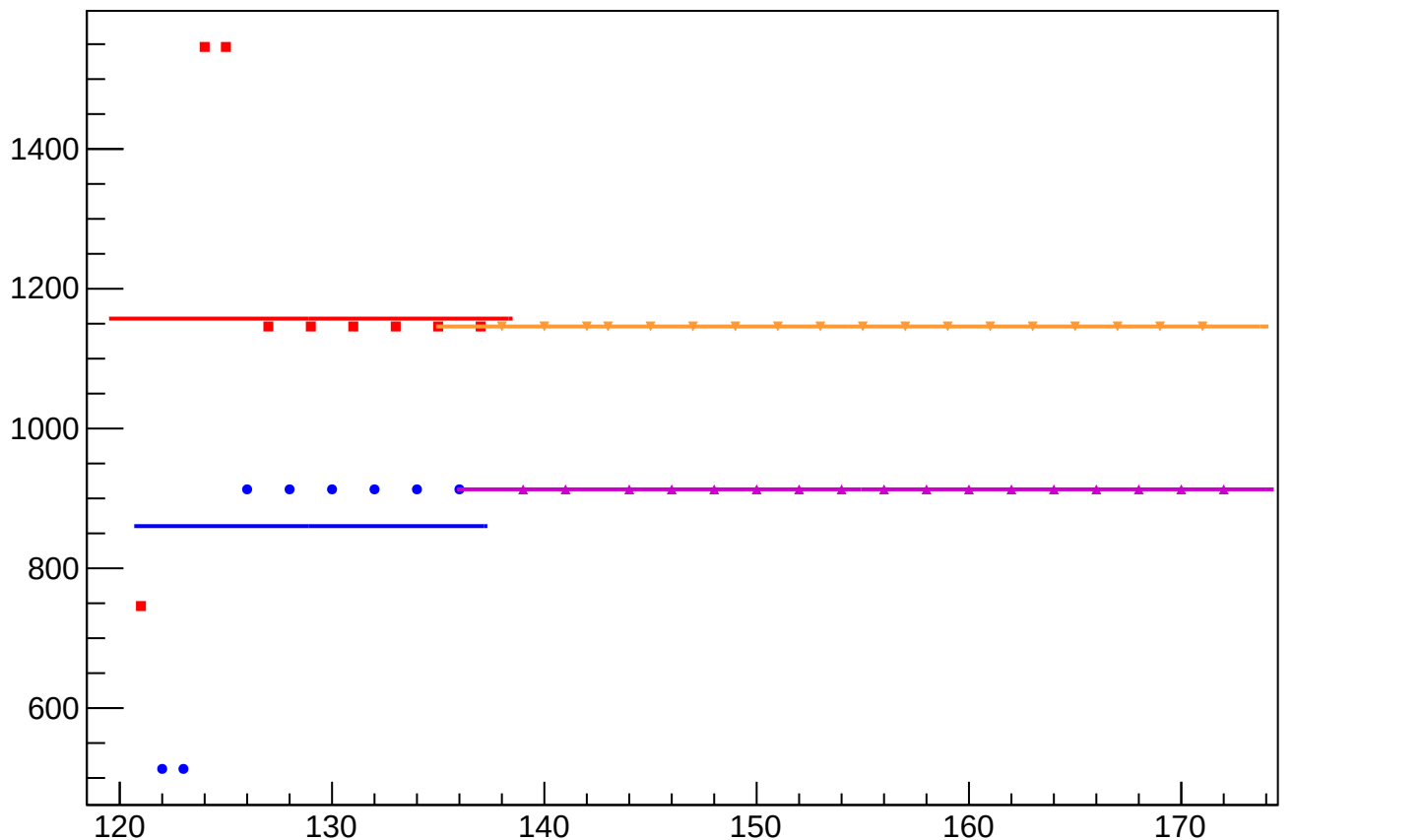
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 113286352833222811844608.0/16

+ sign 16.207 $\pm$ 0.000 χ^2 /NDF: 2743907514450820

All: 16.506 $\pm$ 0.000 χ^2 /NDF: 8477078536269

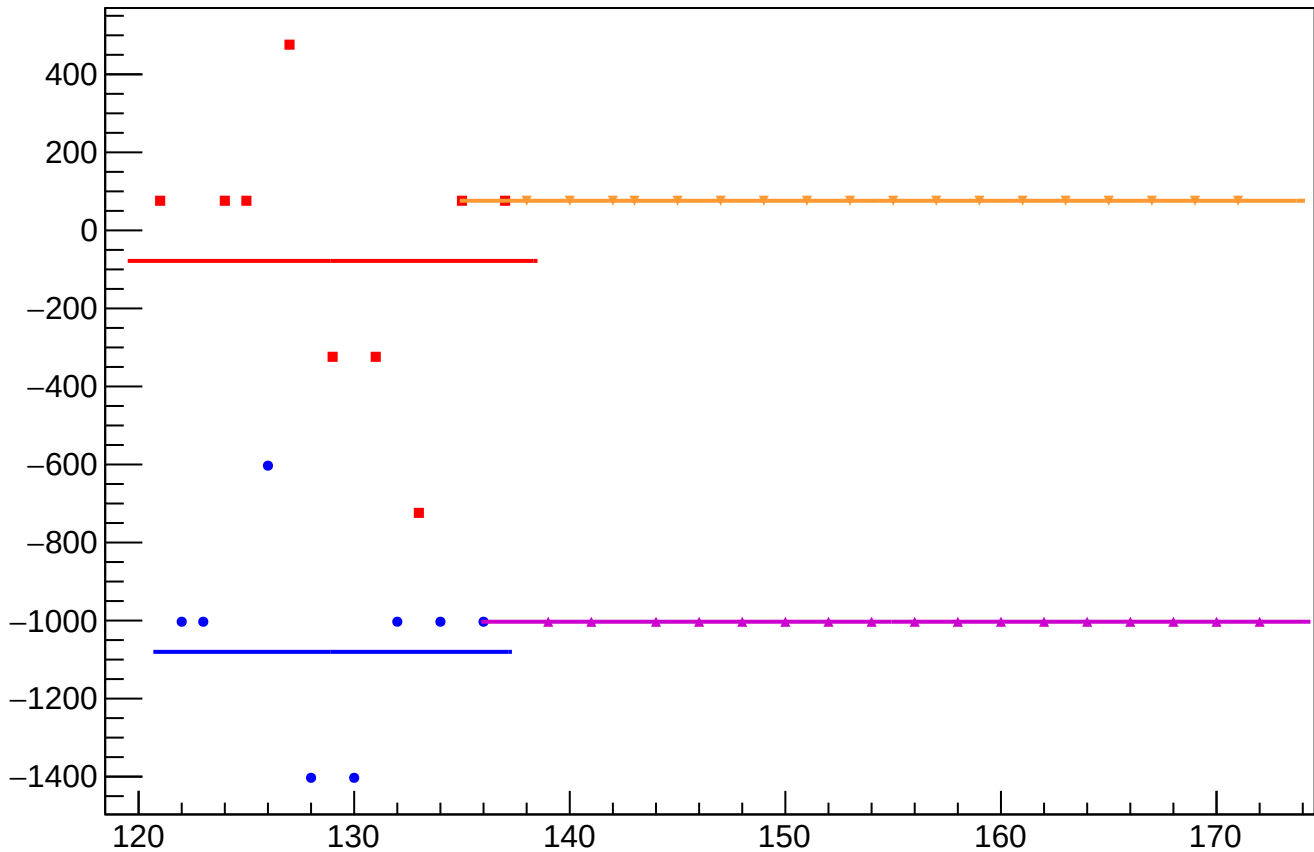
- sign 16.817 $\pm$ 0.000 χ^2 /NDF: 2577338991212832

RTPAPOSUCNT_mean vs Slug



Right In: 860.361 $\pm$ 0.000 χ^2 /NDF: 6252693455178703850651720460594577408.0/7
 Left Out: 1146.011 $\pm$ 0.000 χ^2 /NDF: 4441629938116583153639358464.0/17
 Right Out: 1157.295 $\pm$ 0.000 χ^2 /NDF: 13880040120623316310083946144856014848.0/8
 Left In: 912.995 $\pm$ 0.000 χ^2 /NDF: 18210664974895391732131692544.0/16

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 : 9907772313390455921026531328.0/17
 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: -484.775 ± 0.000 χ^2/NDF : 10416079624
 + sign -151.502 ± 0.000 χ^2/NDF : 38885852439314
 - sign -828.123 ± 0.000 χ^2/NDF : 26083153927999