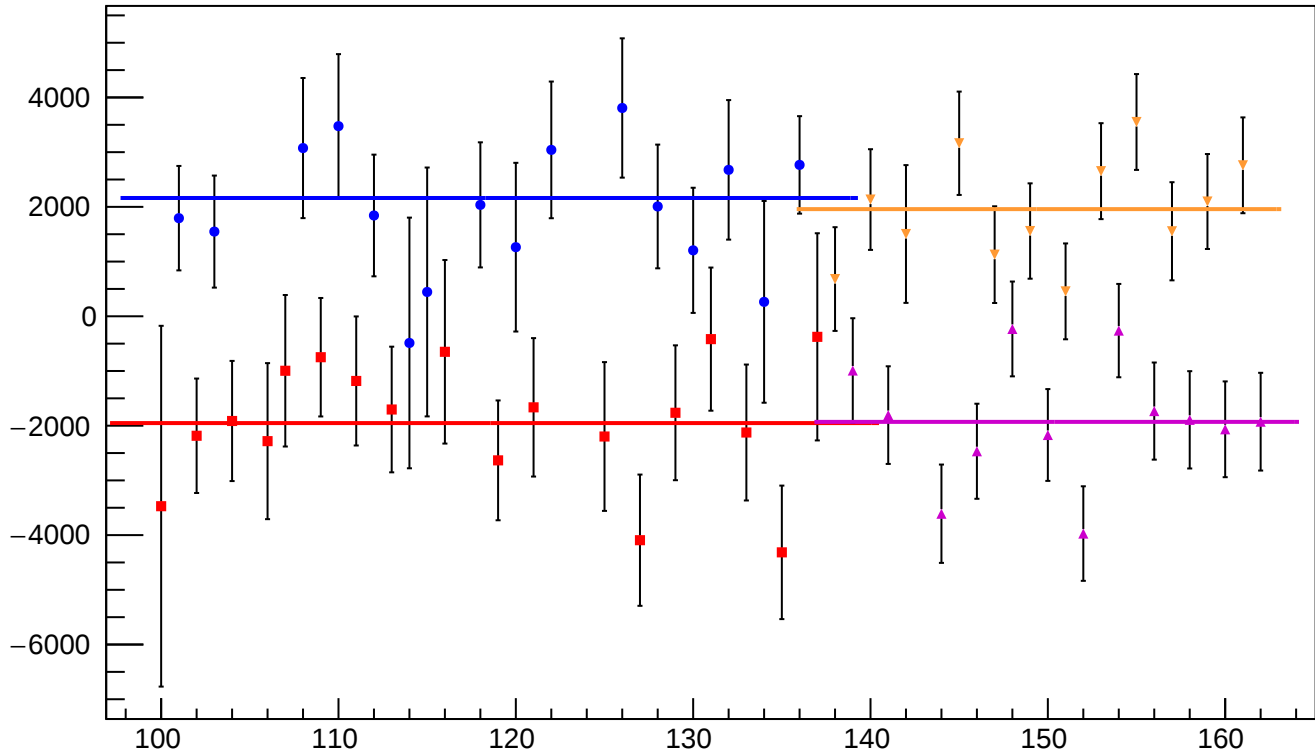


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1958.793+/-263.312

χ^2/NDF : 12.6/11

Right Out: -1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: -1930.177+/-254.256

χ^2/NDF : 18.3/11

+ sign 2044.952+/-199.953

χ^2/NDF : 21.8/27

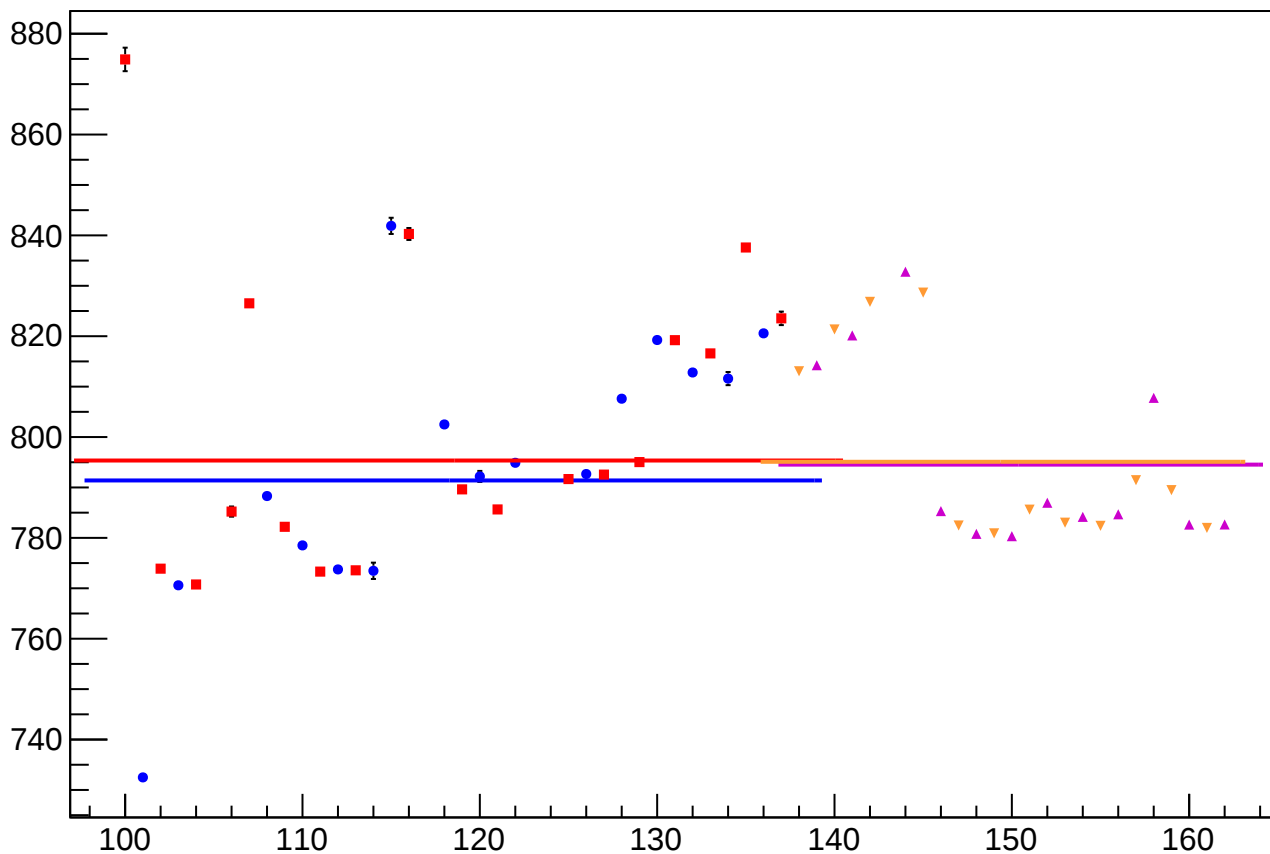
All: -6.137+/-139.281

χ^2/NDF : 257.1/57

- sign -1939.341+/-194.122

χ^2/NDF : 30.9/29

reg_asym_us_avg_rms vs Slug



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

Left Out: 795.091 ± 0.186 χ^2/NDF : 8678.1/11

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

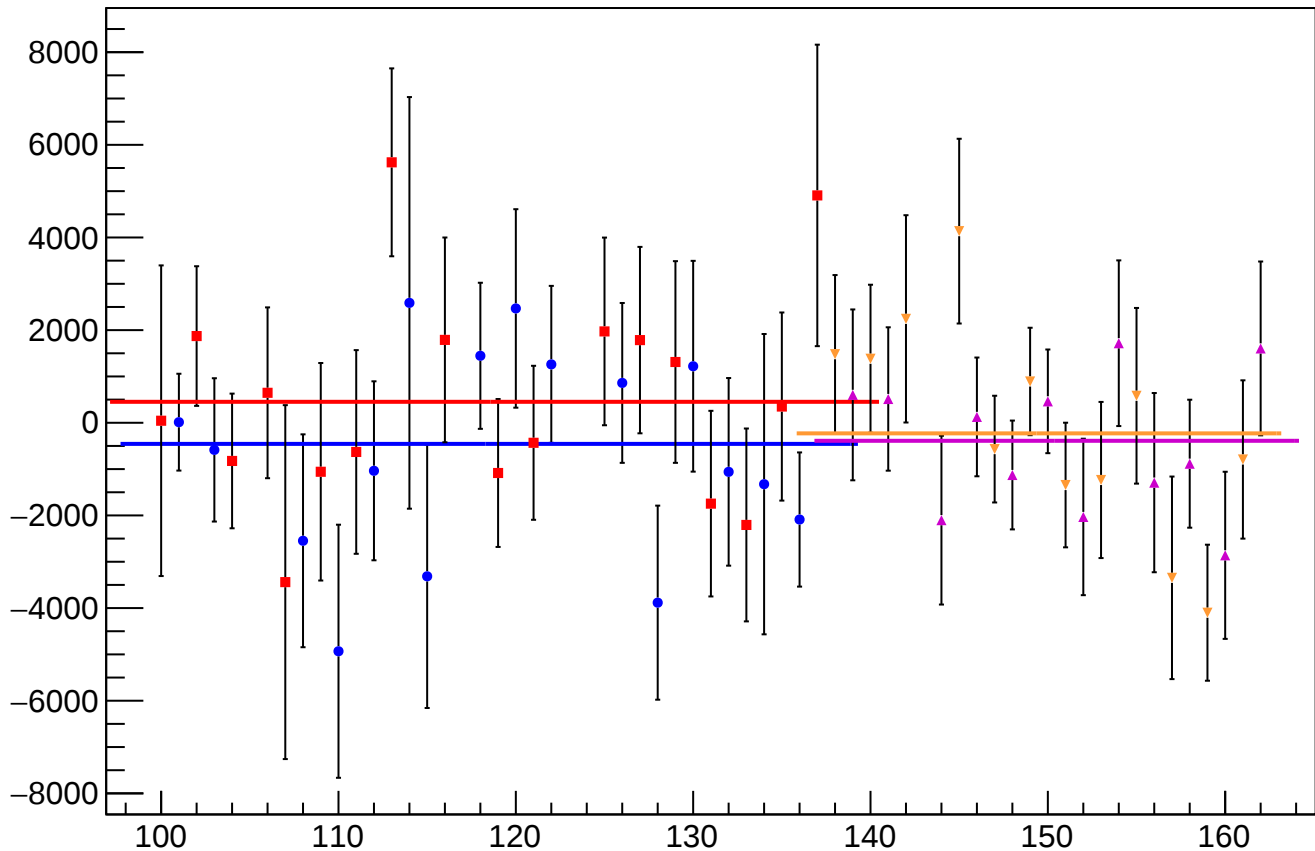
Left In: 794.529 ± 0.180 χ^2/NDF : 9284.7/11

+ sign 793.525 ± 0.141 χ^2/NDF : 23853.6/27

All: 794.217 ± 0.098 χ^2/NDF : 44753.3/57

- sign 794.869 ± 0.137 χ^2/NDF : 20853.1/29

asym_us_avg_correction_mean vs Slug



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

Left Out: -228.651+/-452.597 χ^2/NDF : 19.4/11

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

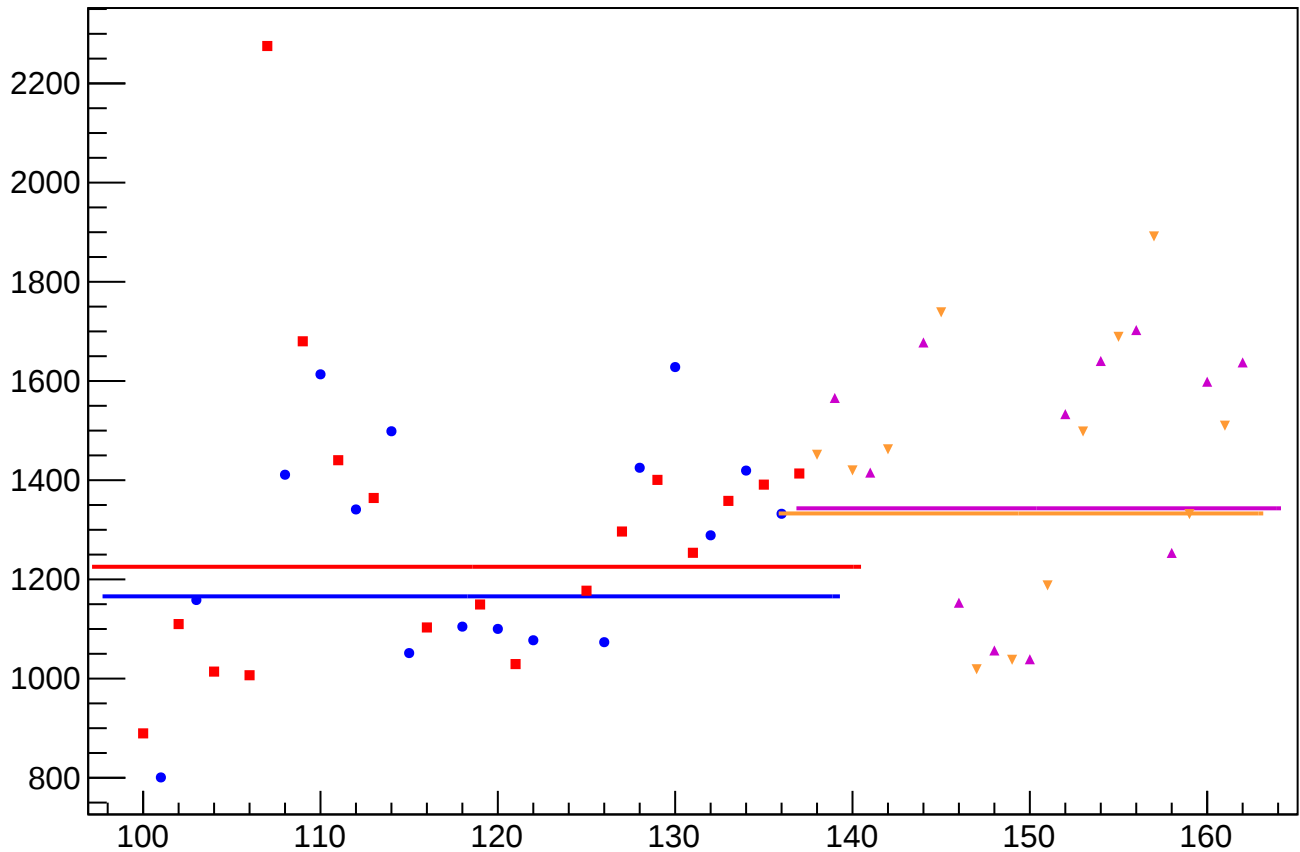
Left In: -389.084+/-438.901 χ^2/NDF : 8.3/11

+ sign -339.283+/-324.070 χ^2/NDF : 34.4/27

All: -168.090+/-228.293 χ^2/NDF : 62.3/57

- sign 0.561+/-321.654 χ^2/NDF : 27.4/29

asym_us_avg_correction_rms vs Slug



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

Left Out: 1332.971 $\pm$ 0.320 χ^2 /NDF: 648153.7/11

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

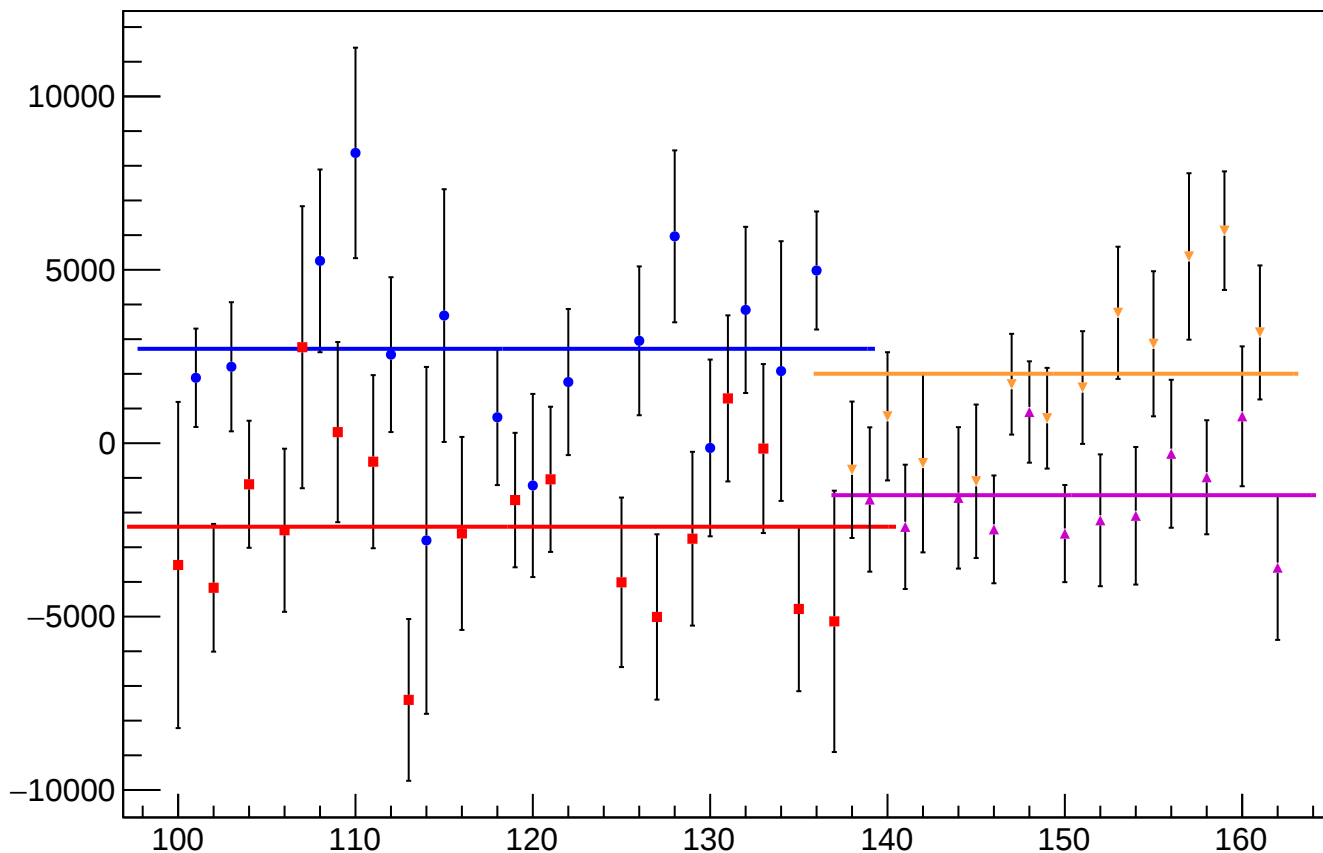
Left In: 1343.334 $\pm$ 0.310 χ^2 /NDF: 659155.1/11

+ sign 1251.512 $\pm$ 0.229 χ^2 /NDF: 1307900.3/27

All: 1270.277 $\pm$ 0.161 χ^2 /NDF: 2487578.6/57

- sign 1288.763 $\pm$ 0.227 χ^2 /NDF: 1166366.5/29

asym_us_avg_mean vs Slug



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

Left Out: 2003.184 $\pm$ 533.006 χ^2 /NDF:15.5/11

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

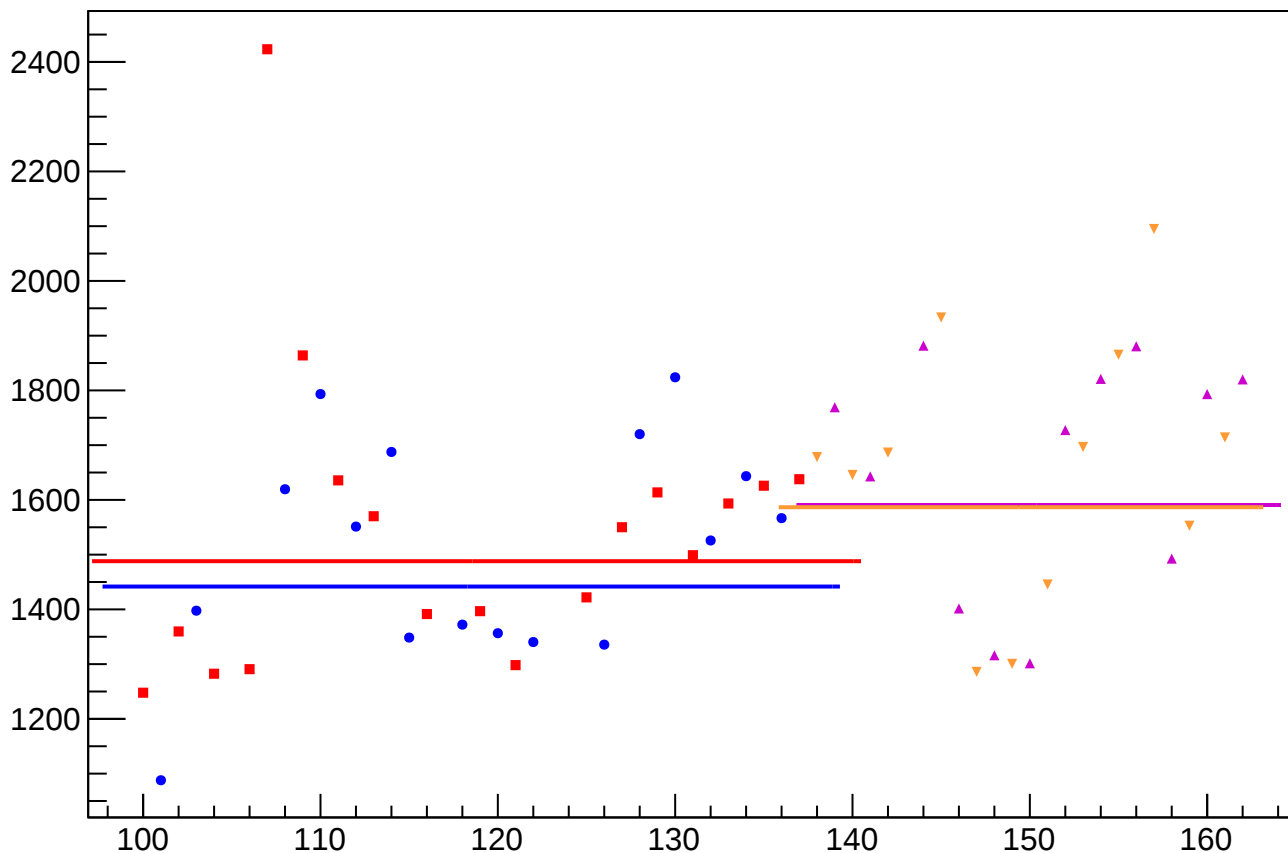
Left In: -1499.165 $\pm$ 514.947 χ^2 /NDF:6.9/11

+ sign 2340.447 $\pm$ 388.403 χ^2 /NDF: 30.9/27

All: 179.494 $\pm$ 272.278 χ^2 /NDF: 116.4/57

- sign -1908.594 $\pm$ 381.799 χ^2 /NDF: 24.6/29

asym_us_avg_rms vs Slug



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

Left Out: 1586.606+/-0.377 χ^2/NDF : 378103.1/11

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

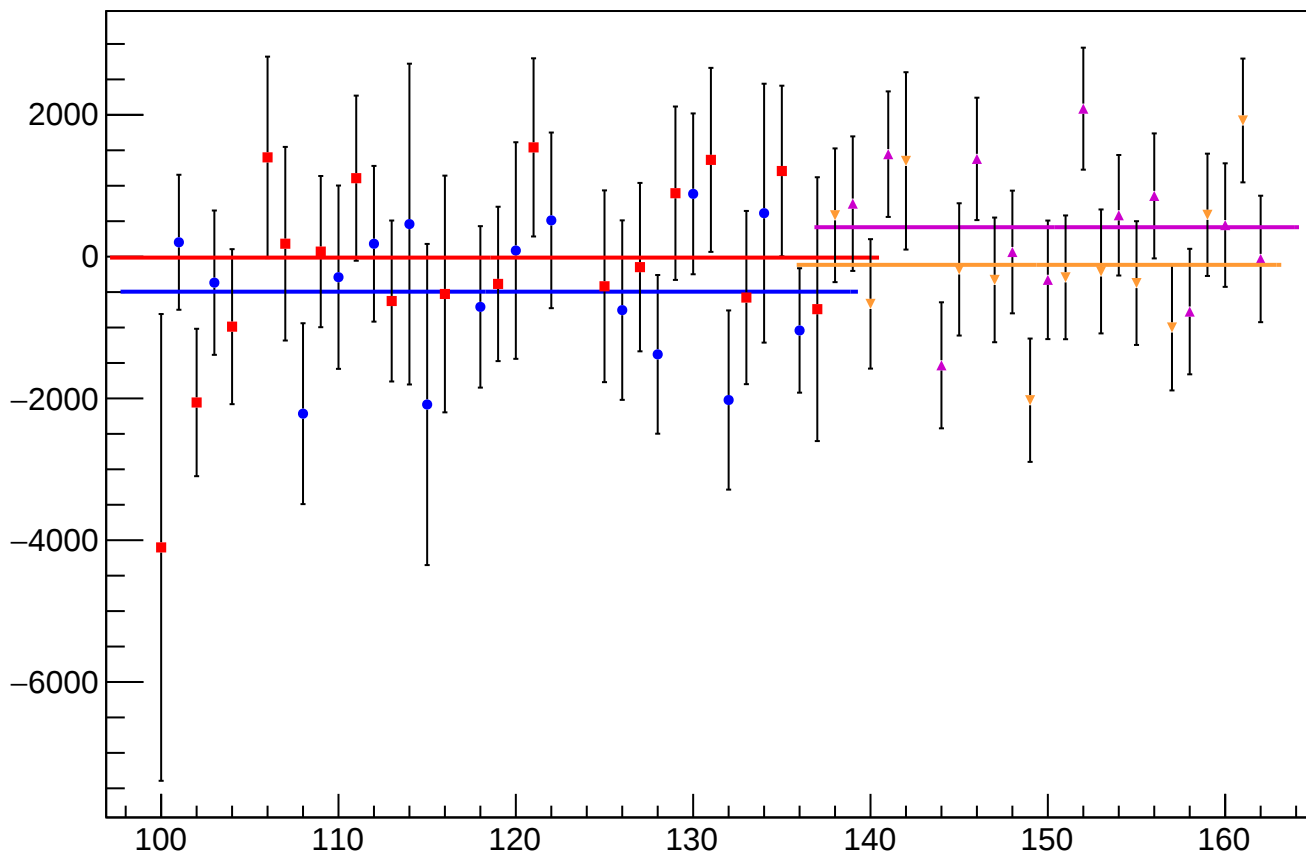
Left In: 1590.671+/-0.364 χ^2/NDF : 368315.2/11

+ sign 1518.656+/-0.275 χ^2/NDF : 723313.6/27

All: 1531.775+/-0.193 χ^2/NDF : 1388038.1/57

- sign 1544.452+/-0.270 χ^2/NDF : 660237.7/29

reg_asym_us_dd_mean vs Slug



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

Left Out: -115.764+/-261.864 χ^2/NDF : 14.4/11

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

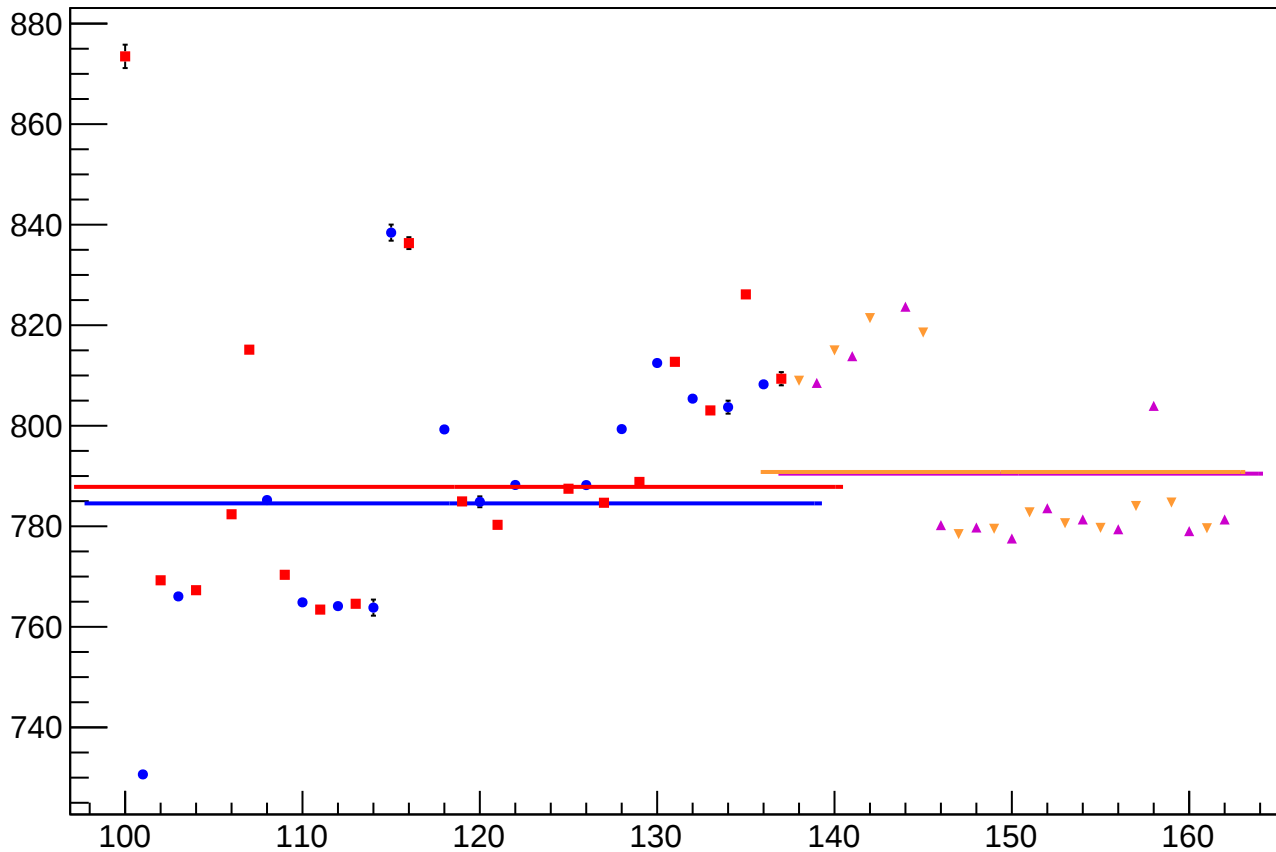
Left In: 415.165+/-252.942 χ^2/NDF : 14.6/11

+ sign -276.577+/-198.583 χ^2/NDF : 23.9/27

All: -12.949+/-138.318 χ^2/NDF : 56.5/57

- sign 235.467+/-192.769 χ^2/NDF : 29.2/29

reg_asym_us_dd_rms vs Slug



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

Left Out: 790.806+/-0.185 χ^2/NDF : 7151.9/11

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

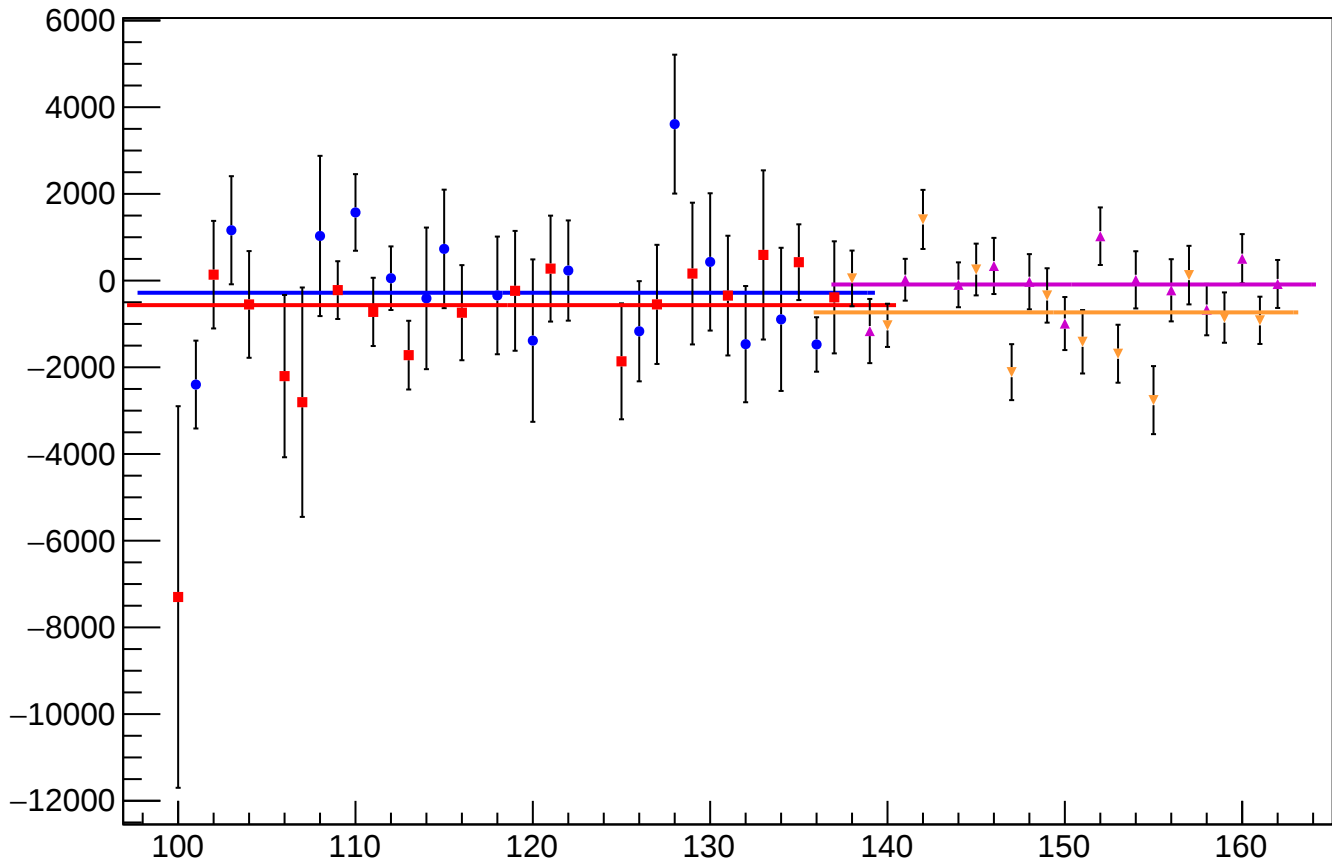
Left In: 790.472+/-0.179 χ^2/NDF : 7661.4/11

+ sign 788.151+/-0.140 χ^2/NDF : 21313.4/27

All: 788.779+/-0.098 χ^2/NDF : 40013.1/57

- sign 789.371+/-0.136 χ^2/NDF : 18660.9/29

asym_us_dd_correction_mean vs Slug



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

Left Out: -733.401 ± 180.768 χ^2/NDF : 30.8/11

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

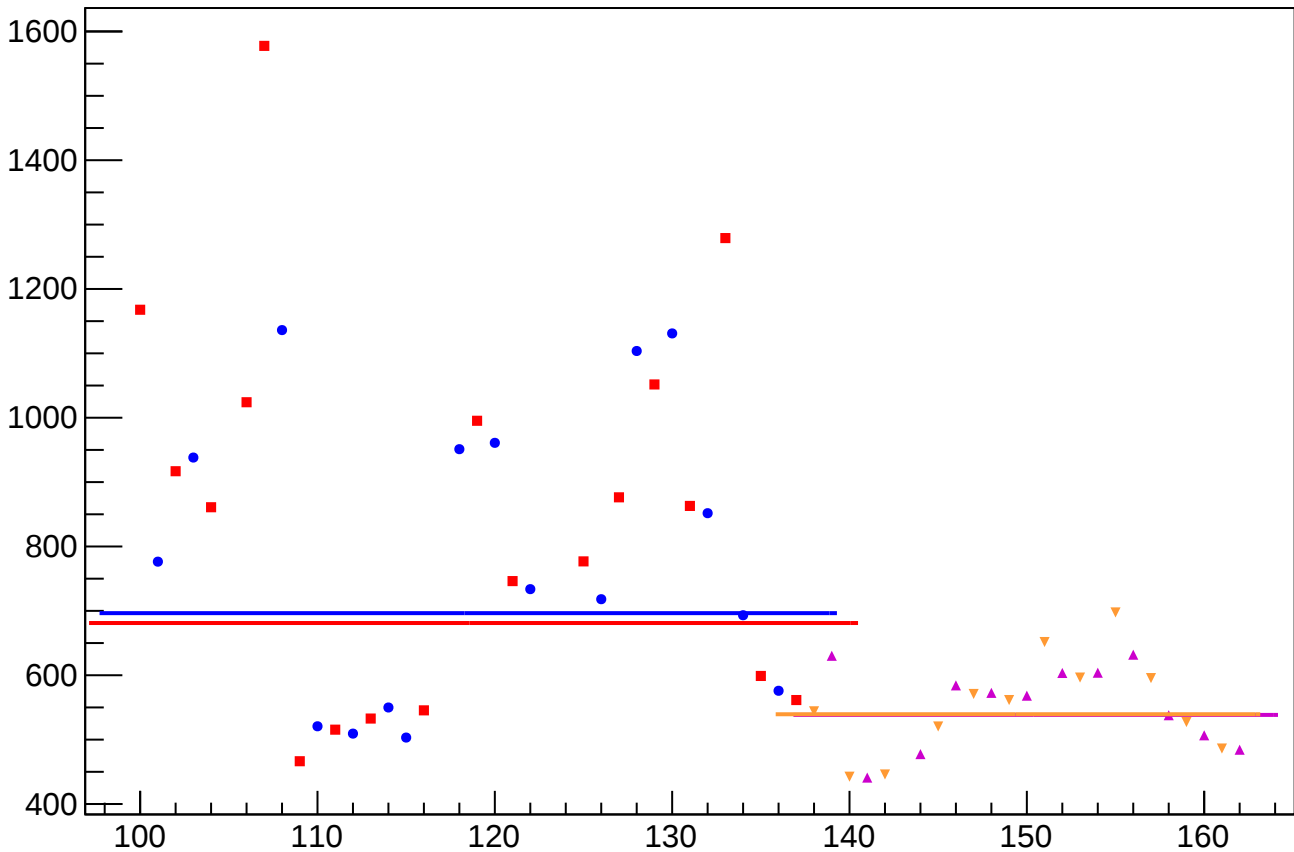
Left In: -89.745 ± 173.795 χ^2/NDF : 9.7/11

+ sign -601.870 ± 152.263 χ^2/NDF : 55.7/27

All: -407.447 ± 105.603 χ^2/NDF : 80.7/57

- sign -227.243 ± 146.590 χ^2/NDF : 21.8/29

asym_us_dd_correction_rms vs Slug



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

Left Out: 539.403 $\pm$ 0.128 χ^2 /NDF: 299227.1/11

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

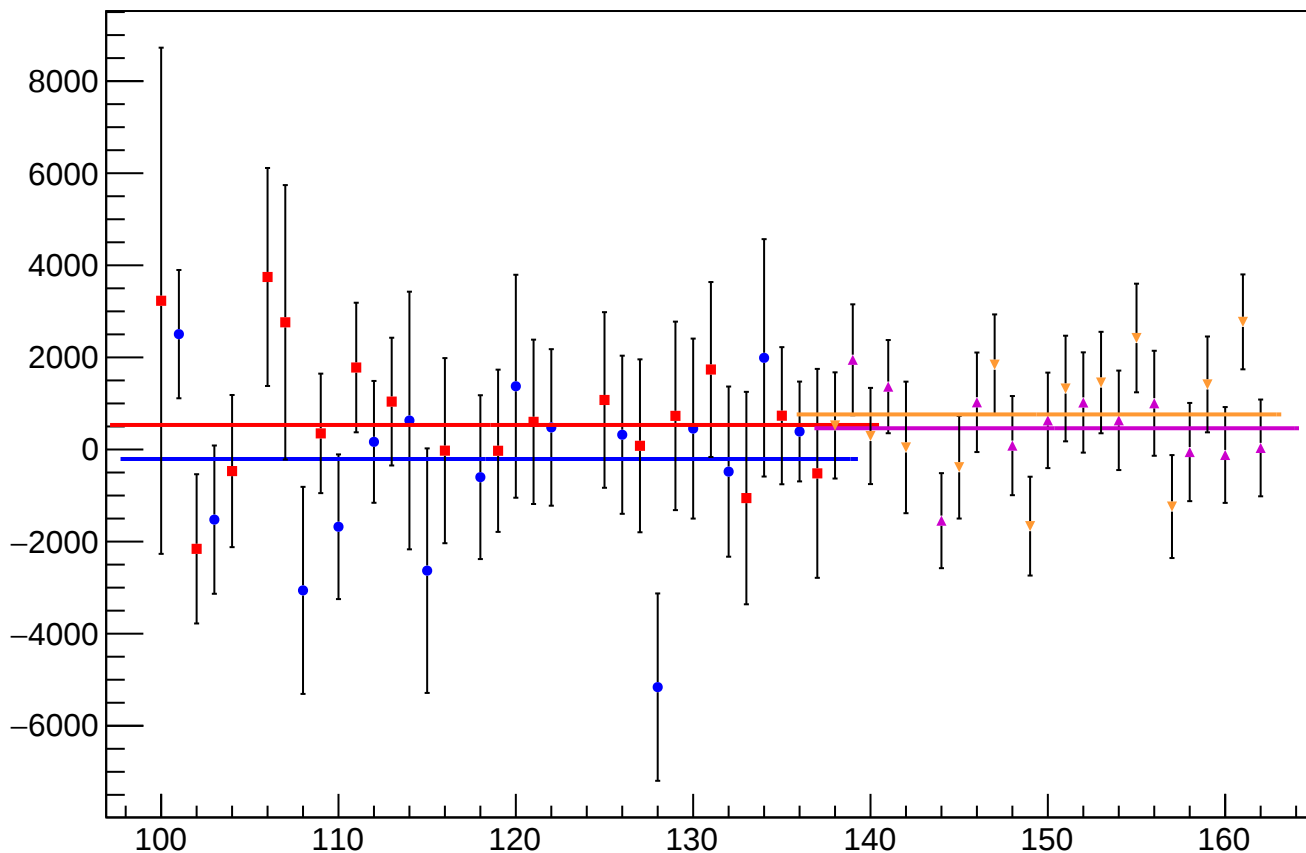
Left In: 538.384 $\pm$ 0.123 χ^2 /NDF: 258913.9/11

+ sign 585.029 $\pm$ 0.108 χ^2 /NDF: 1697314.5/27

All: 582.199 $\pm$ 0.075 χ^2 /NDF: 3699442.6/57

- sign 579.575 $\pm$ 0.104 χ^2 /NDF: 2000796.6/29

asym_us_dd_mean vs Slug



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

Left Out: 761.817 ± 322.116 χ^2/NDF : 17.7/11

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

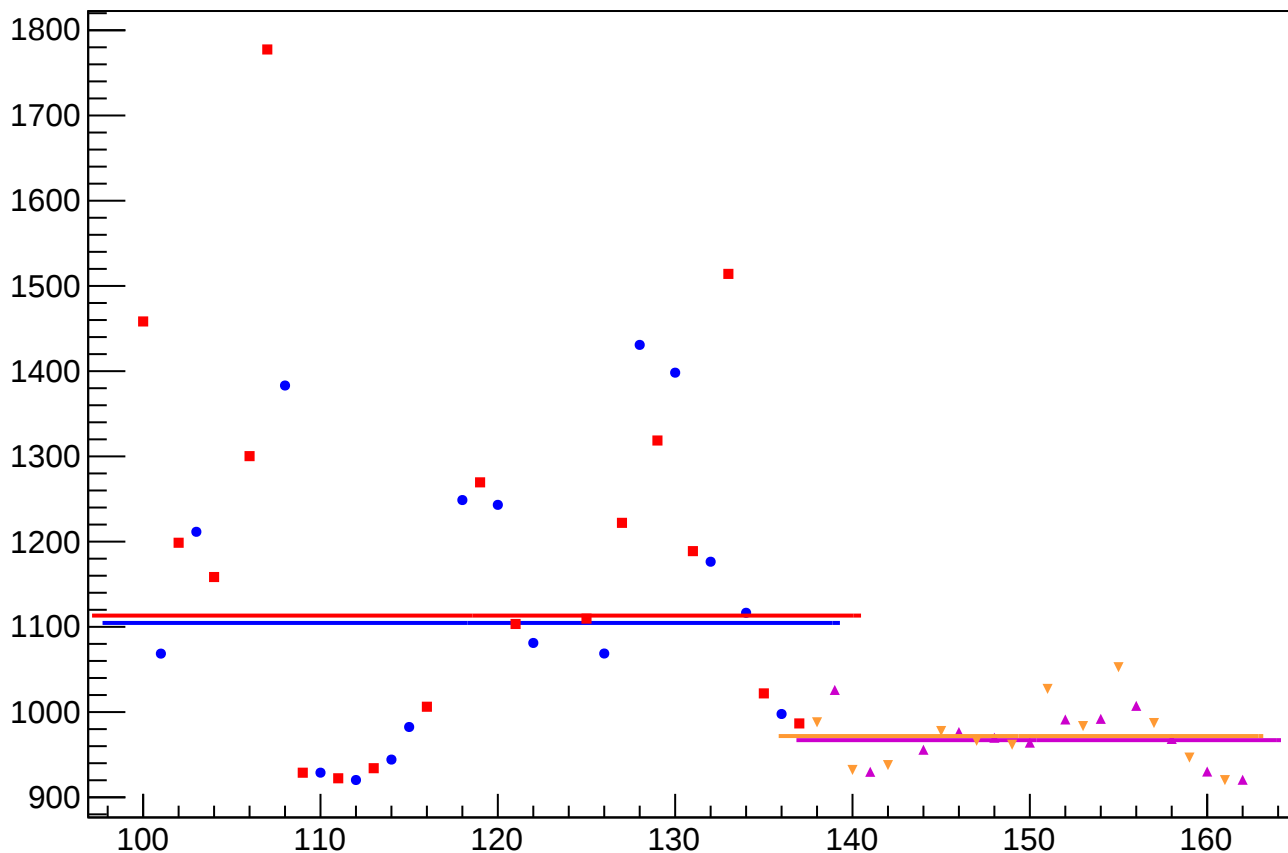
Left In: 461.360 ± 309.613 χ^2/NDF : 7.8/11

+ sign 417.682 ± 258.610 χ^2/NDF : 36.6/27

All: 452.894 ± 179.996 χ^2/NDF : 52.6/57

- sign 485.980 ± 250.681 χ^2/NDF : 15.9/29

asym_us_dd_rms vs Slug



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

Left Out: 971.872 $\pm$ 0.228 χ^2 /NDF: 25556.0/11

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

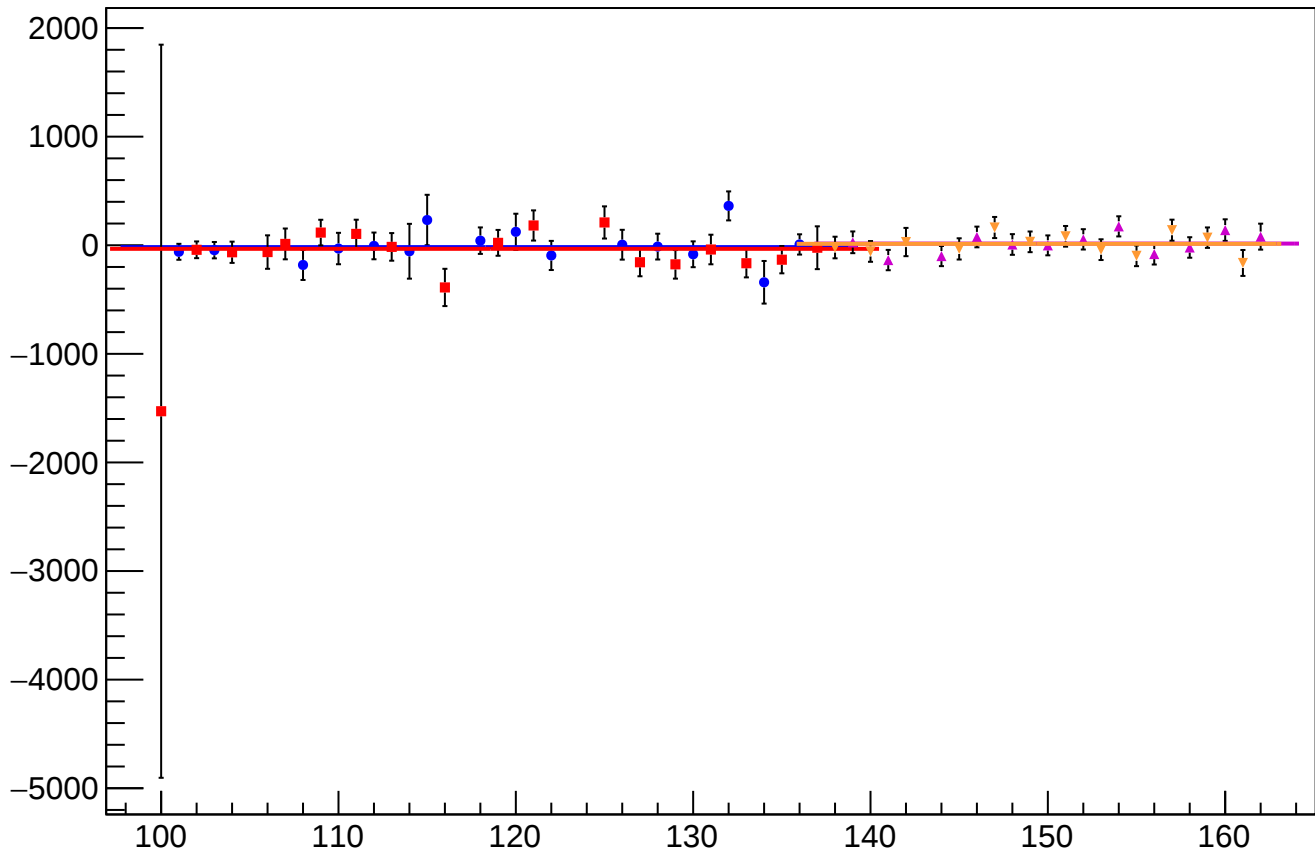
Left In: 967.052 $\pm$ 0.219 χ^2 /NDF: 18877.5/11

+ sign 1019.047 $\pm$ 0.183 χ^2 /NDF: 401733.1/27

All: 1018.197 $\pm$ 0.127 χ^2 /NDF: 937165.7/57

- sign 1017.398 $\pm$ 0.177 χ^2 /NDF: 535390.7/29

reg_asym_ds_avg_mean vs Slug



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

Left Out: 13.081 ± 28.749 χ^2/NDF : 9.7/11

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

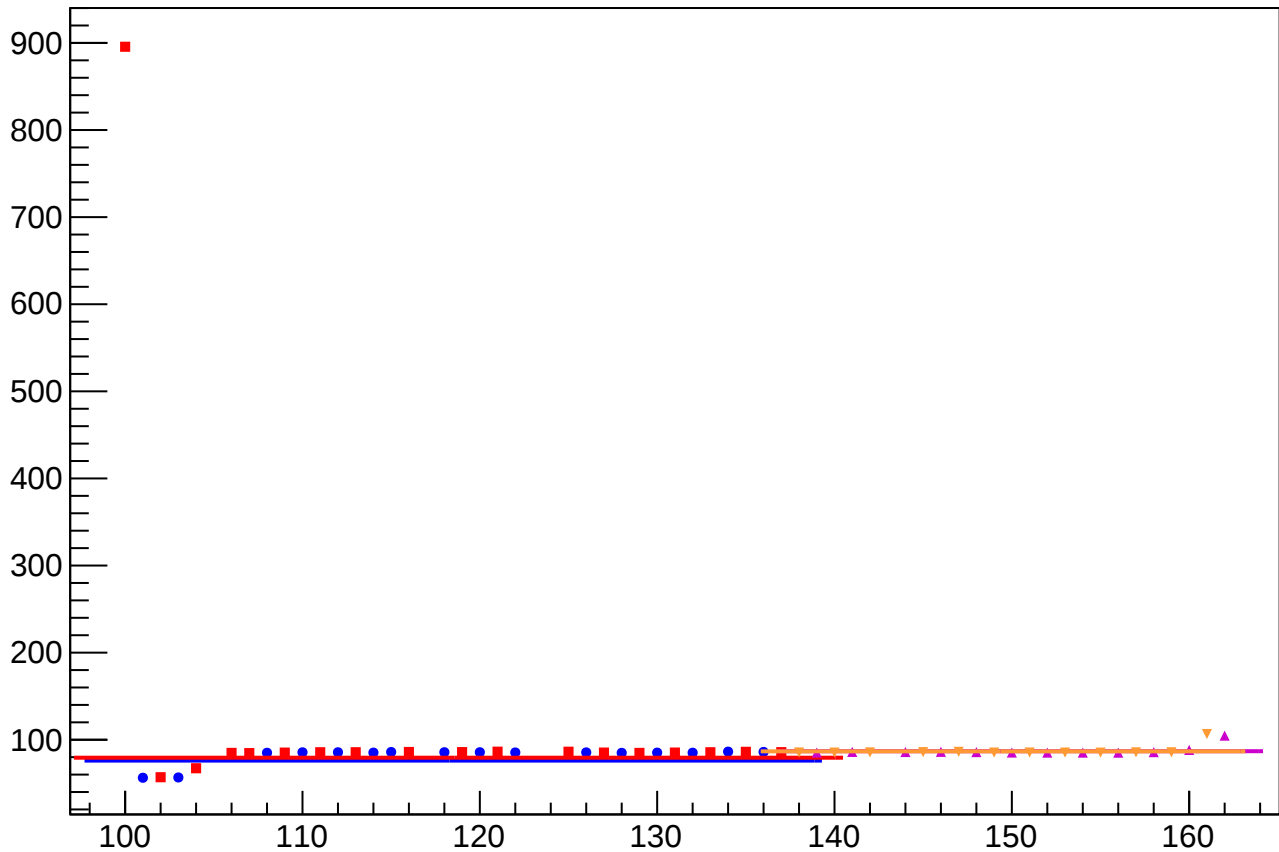
Left In: 15.313 ± 27.831 χ^2/NDF : 10.7/11

+ sign -1.439 ± 20.753 χ^2/NDF : 25.8/27

All: -4.061 ± 14.599 χ^2/NDF : 54.5/57

- sign -6.630 ± 20.542 χ^2/NDF : 28.6/29

reg_asym_ds_avg_rms vs Slug



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

Left Out: 86.692 $\pm$ 0.020 χ^2 /NDF: 58839.7/11

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

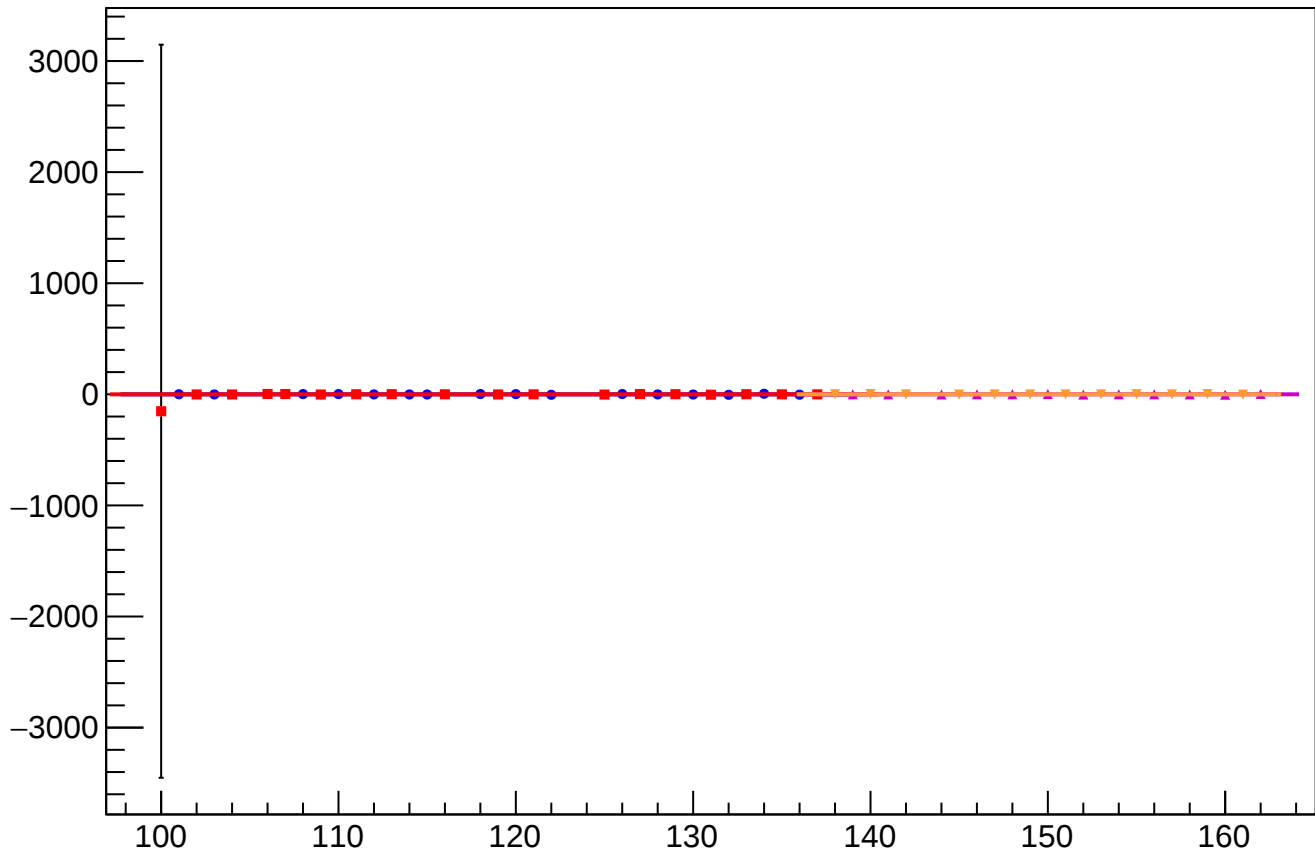
Left In: 86.847 $\pm$ 0.020 χ^2 /NDF: 48927.3/11

+ sign 81.609 $\pm$ 0.015 χ^2 /NDF: 598536.6/27

All: 82.540 $\pm$ 0.010 χ^2 /NDF: 1099317.3/57

- sign 83.452 $\pm$ 0.015 χ^2 /NDF: 492813.2/29

asym_ds_avg_correction_mean vs Slug



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

Left Out: -0.250 ± 0.479 χ^2/NDF : 8.4/11

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

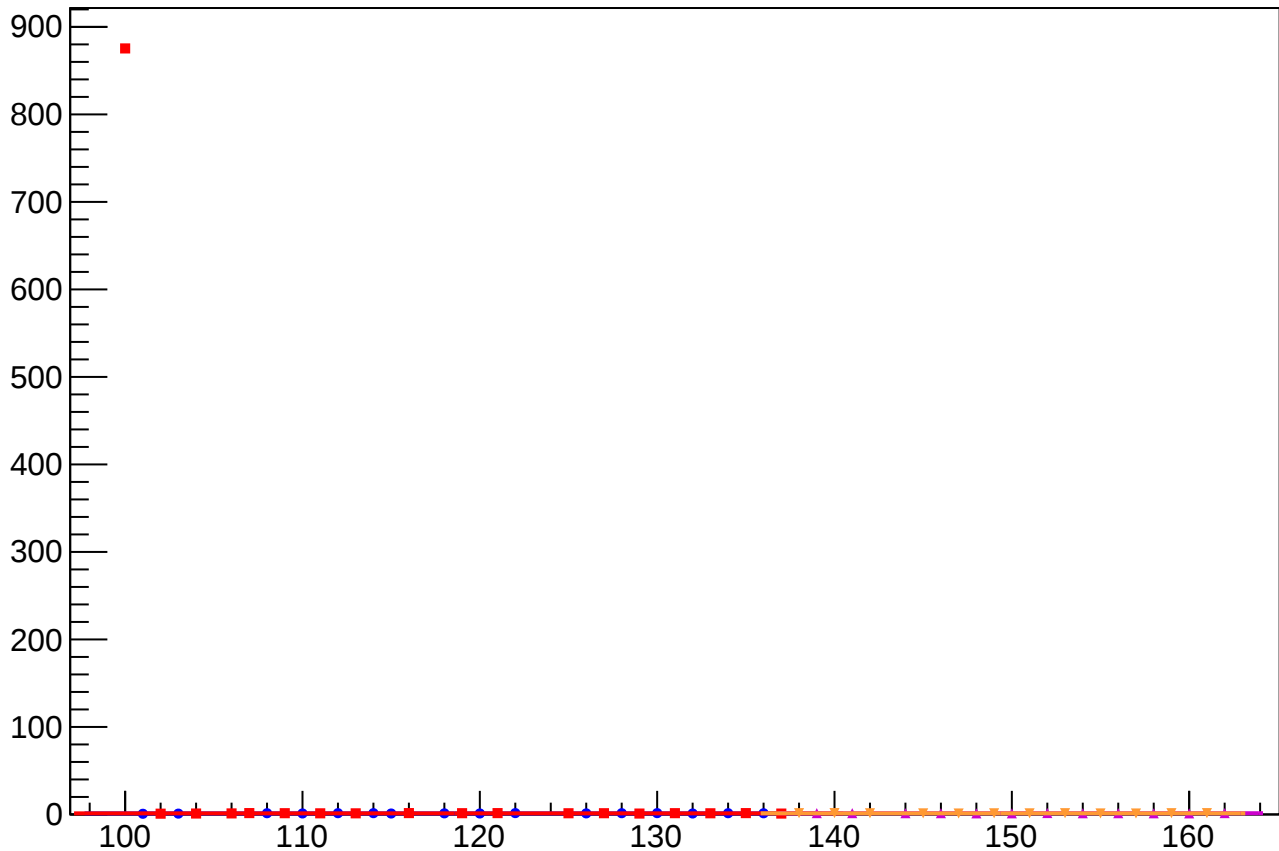
Left In: 0.166 ± 0.488 χ^2/NDF : 13.3/11

+ sign -0.265 ± 0.346 χ^2/NDF : 29.6/27

All: -0.111 ± 0.248 χ^2/NDF : 52.4/57

- sign 0.052 ± 0.356 χ^2/NDF : 22.4/29

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.297 $\pm$ 0.000 χ^2 /NDF:210166.2/11

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

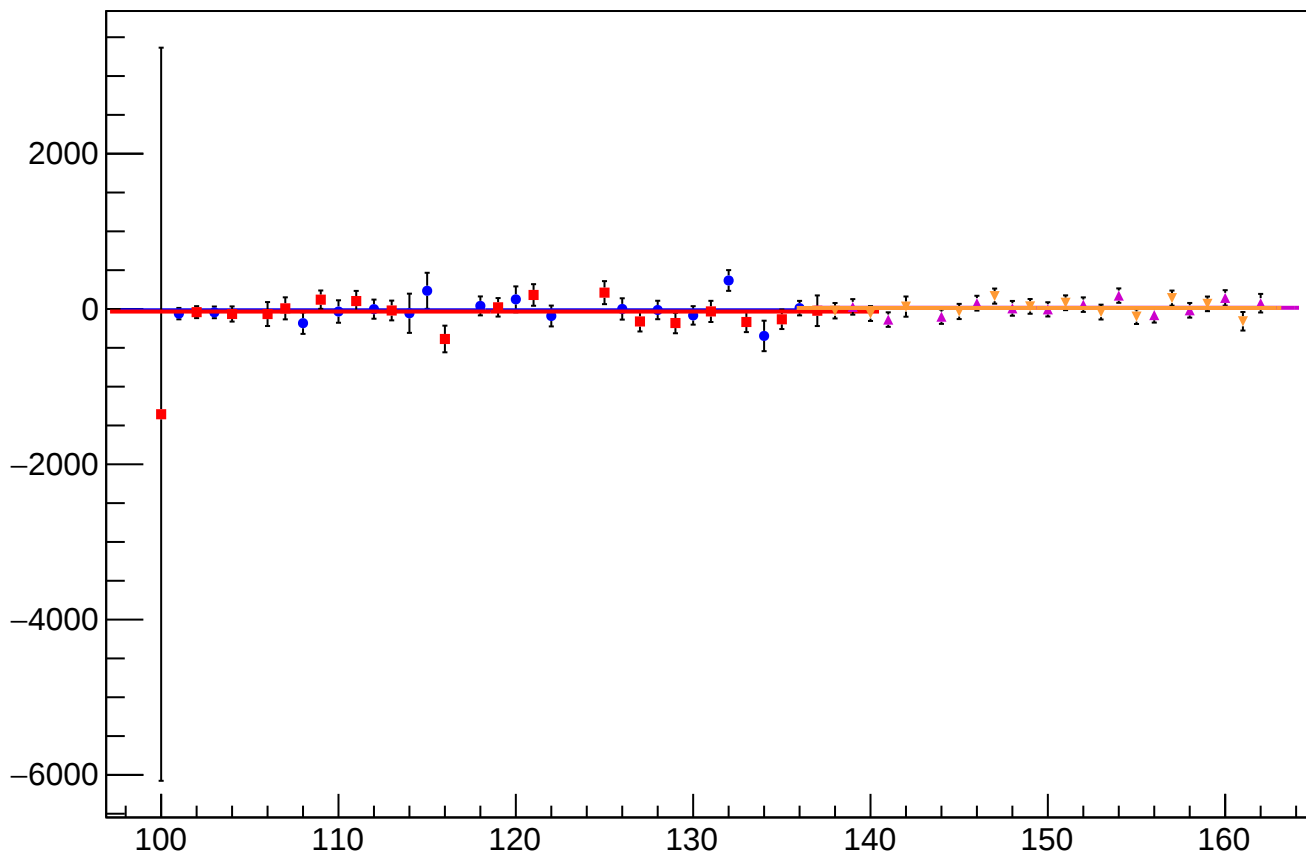
Left In: 1.400 $\pm$ 0.000 χ^2 /NDF:108948.5/11

+ sign 1.228 $\pm$ 0.000 χ^2 /NDF: 811743.6/27

All: 1.277 $\pm$ 0.000 χ^2 /NDF: 1610766.2/57

- sign 1.328 $\pm$ 0.000 χ^2 /NDF: 717526.4/29

asym_ds_avg_mean vs Slug



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

Left Out: 13.383 ± 28.757 χ^2/NDF : 9.7/11

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

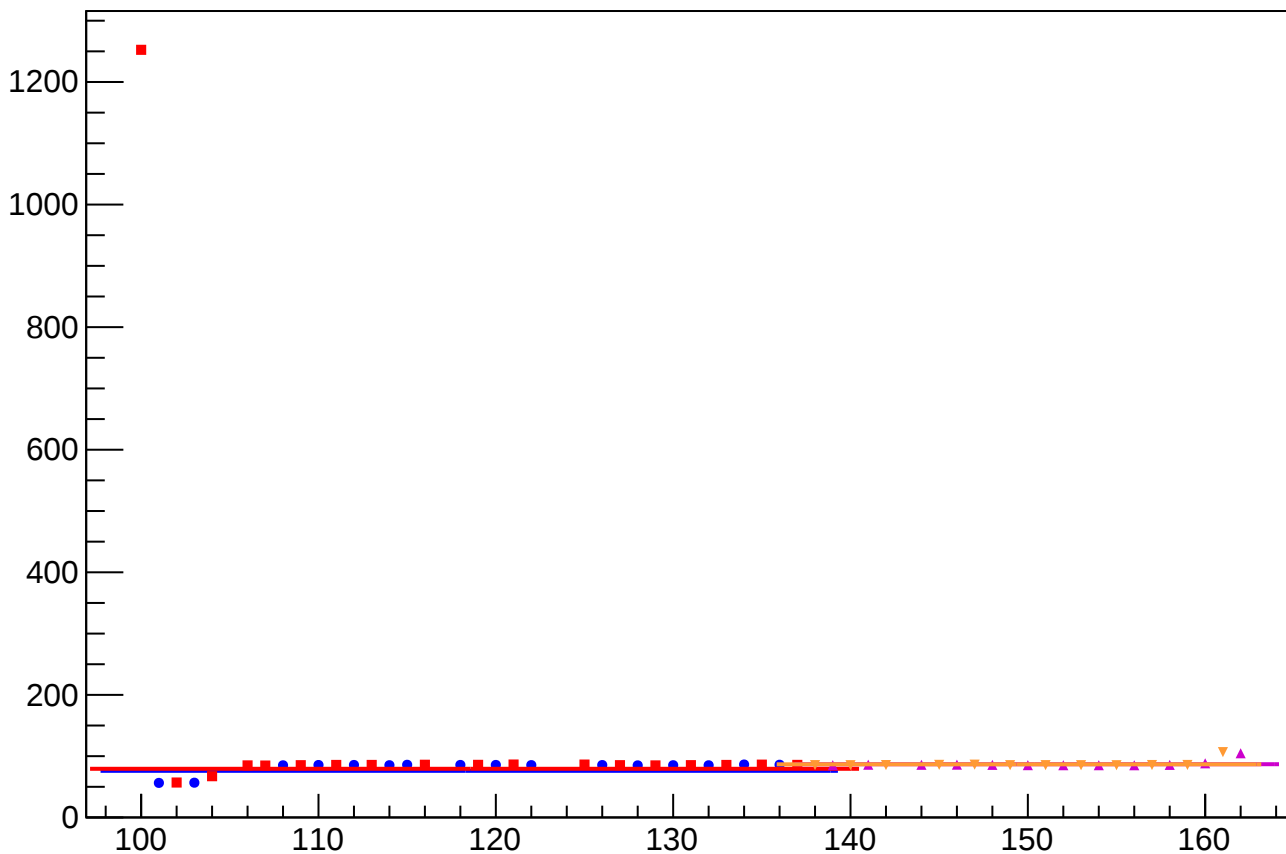
Left In: 15.590 ± 27.838 χ^2/NDF : 10.6/11

+ sign -0.838 ± 20.758 χ^2/NDF : 26.1/27

All: -3.738 ± 14.603 χ^2/NDF : 54.6/57

- sign -6.580 ± 20.548 χ^2/NDF : 28.5/29

asym_ds_avg_rms vs Slug



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

Left Out: 86.715 $\pm$ 0.020 χ^2 /NDF: 58877.1/11

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

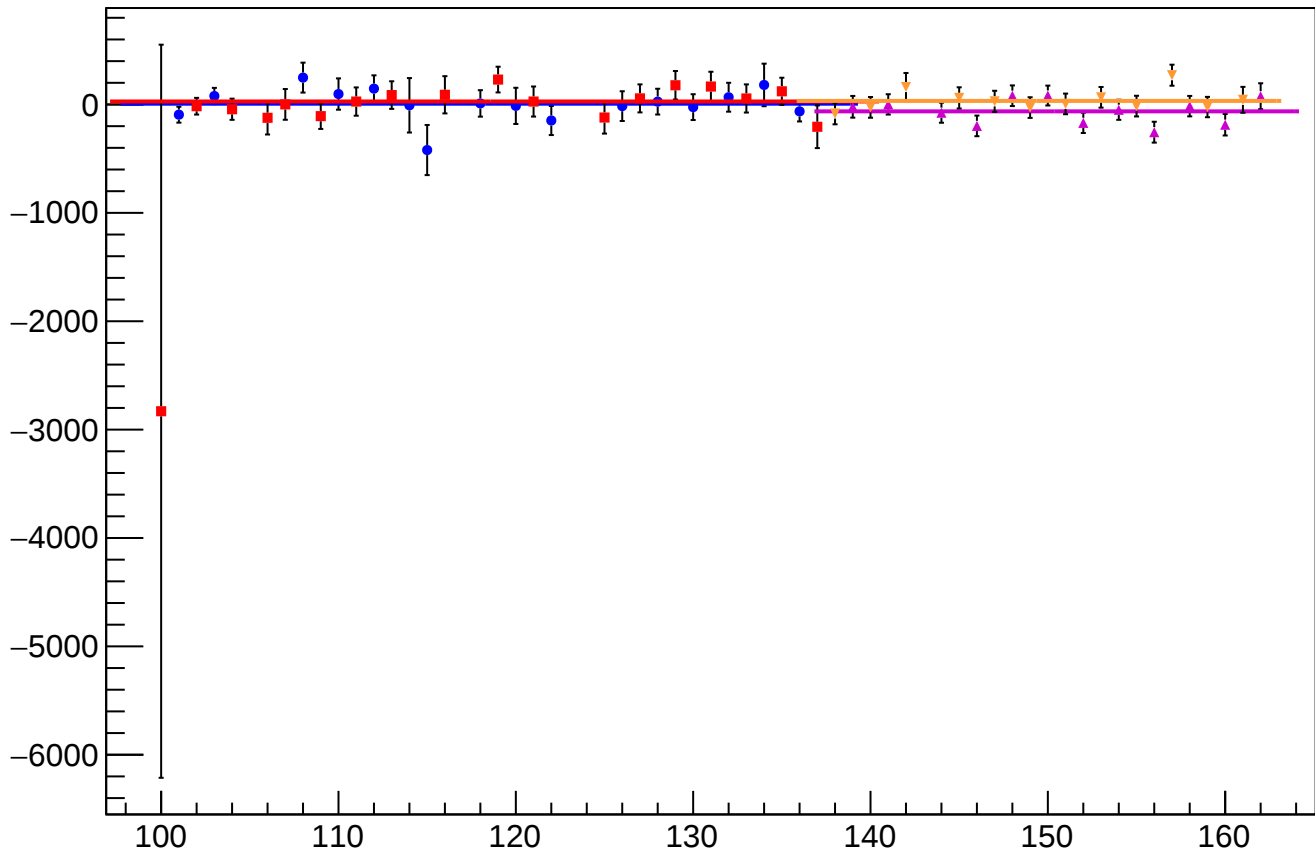
Left In: 86.870 $\pm$ 0.020 χ^2 /NDF: 48929.5/11

+ sign 81.631 $\pm$ 0.015 χ^2 /NDF: 598611.1/27

All: 82.558 $\pm$ 0.010 χ^2 /NDF: 1106173.4/57

- sign 83.467 $\pm$ 0.015 χ^2 /NDF: 499658.9/29

reg_asym_ds_dd_mean vs Slug



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

Left Out: 32.959 ± 28.749 χ^2/NDF : 10.0/11

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

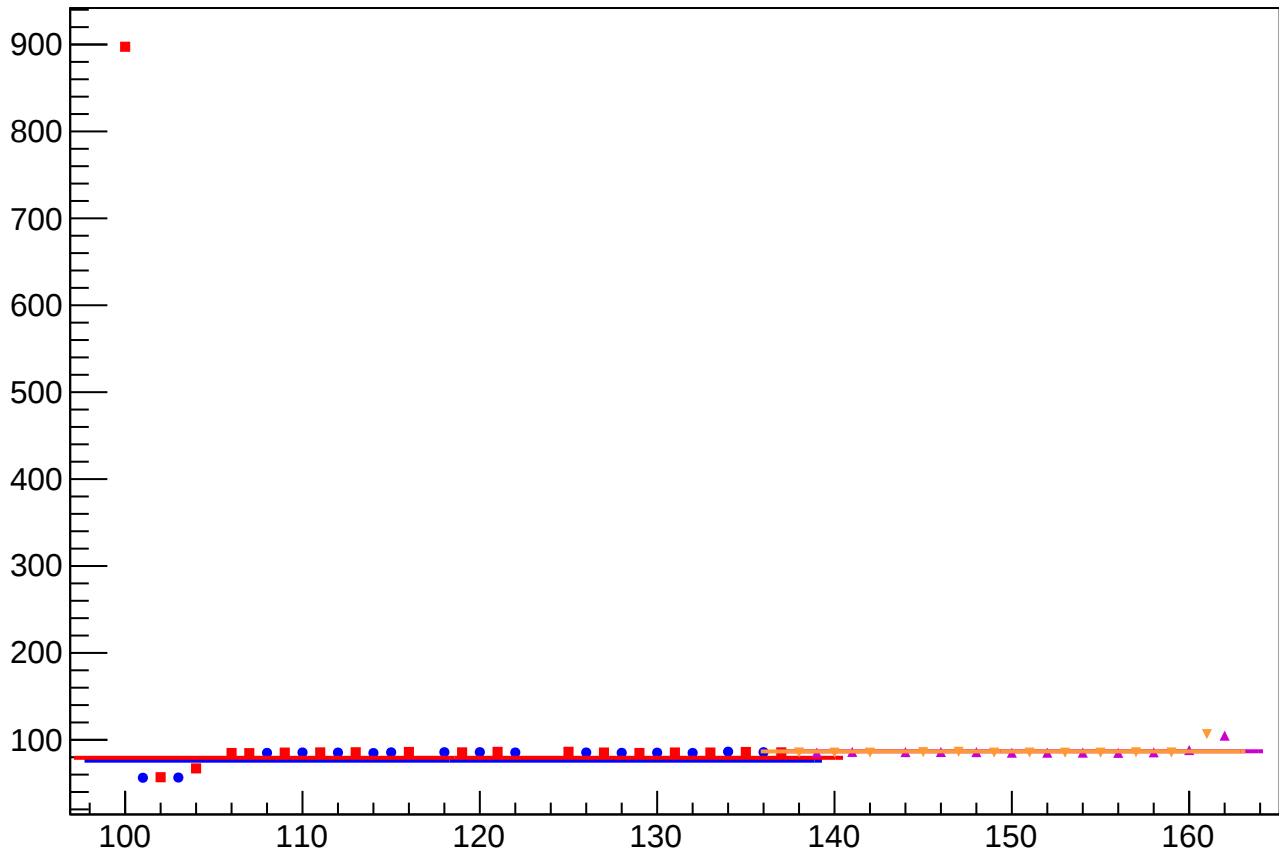
Left In: -63.365 ± 27.828 χ^2/NDF : 15.9/11

+ sign 20.739 ± 20.746 χ^2/NDF : 24.3/27

All: -0.743 ± 14.595 χ^2/NDF : 59.8/57

- sign -21.789 ± 20.535 χ^2/NDF : 33.3/29

reg_asym_ds_dd_rms vs Slug



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

Left Out: 86.692 $\pm$ 0.020 χ^2 /NDF: 59019.9/11

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

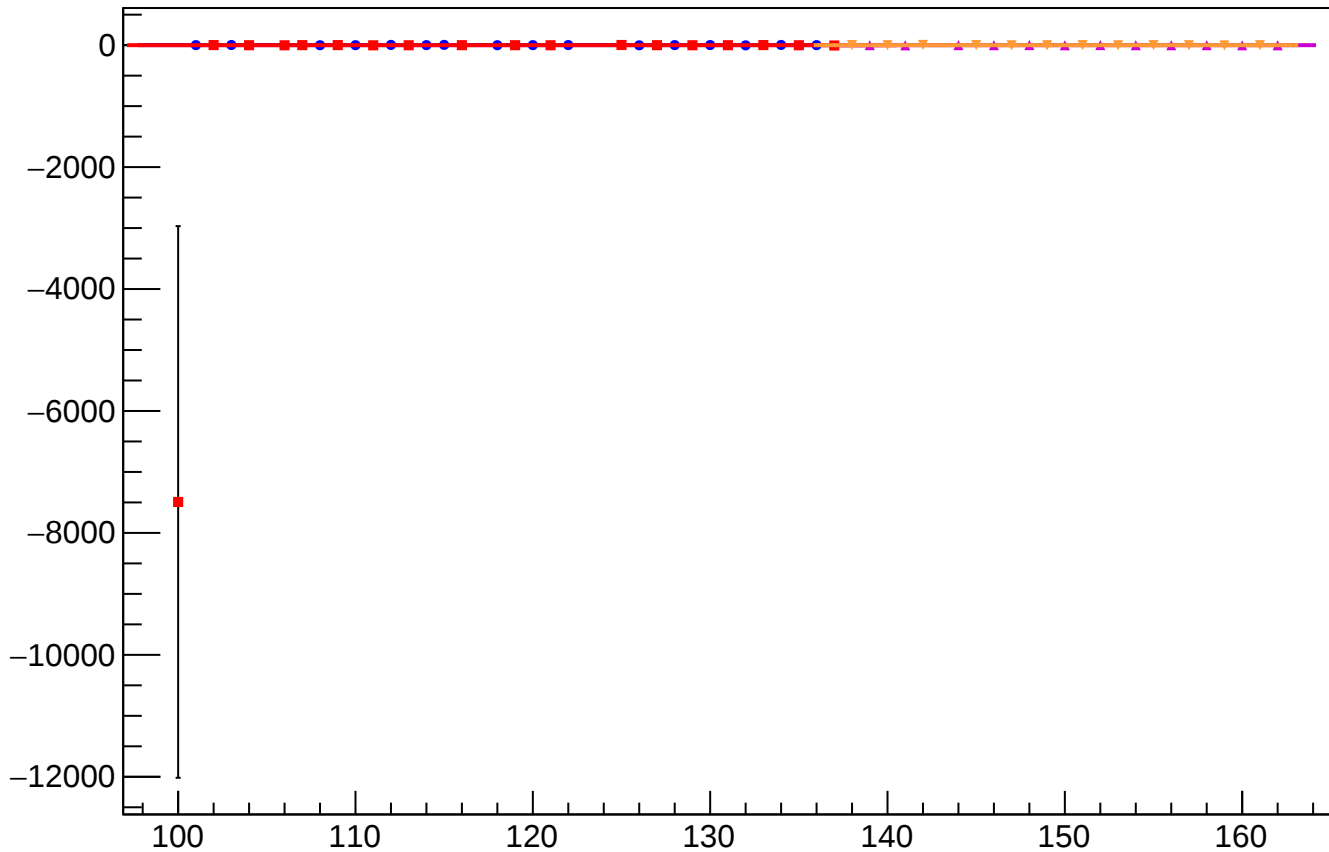
Left In: 86.835 $\pm$ 0.020 χ^2 /NDF: 49459.8/11

+ sign 81.583 $\pm$ 0.015 χ^2 /NDF: 599710.8/27

All: 82.512 $\pm$ 0.010 χ^2 /NDF: 1101537.3/57

- sign 83.422 $\pm$ 0.015 χ^2 /NDF: 493886.2/29

asym_ds_dd_correction_mean vs Slug



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

Left Out: -0.612 ± 0.493 χ^2/NDF : 12.5/11

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

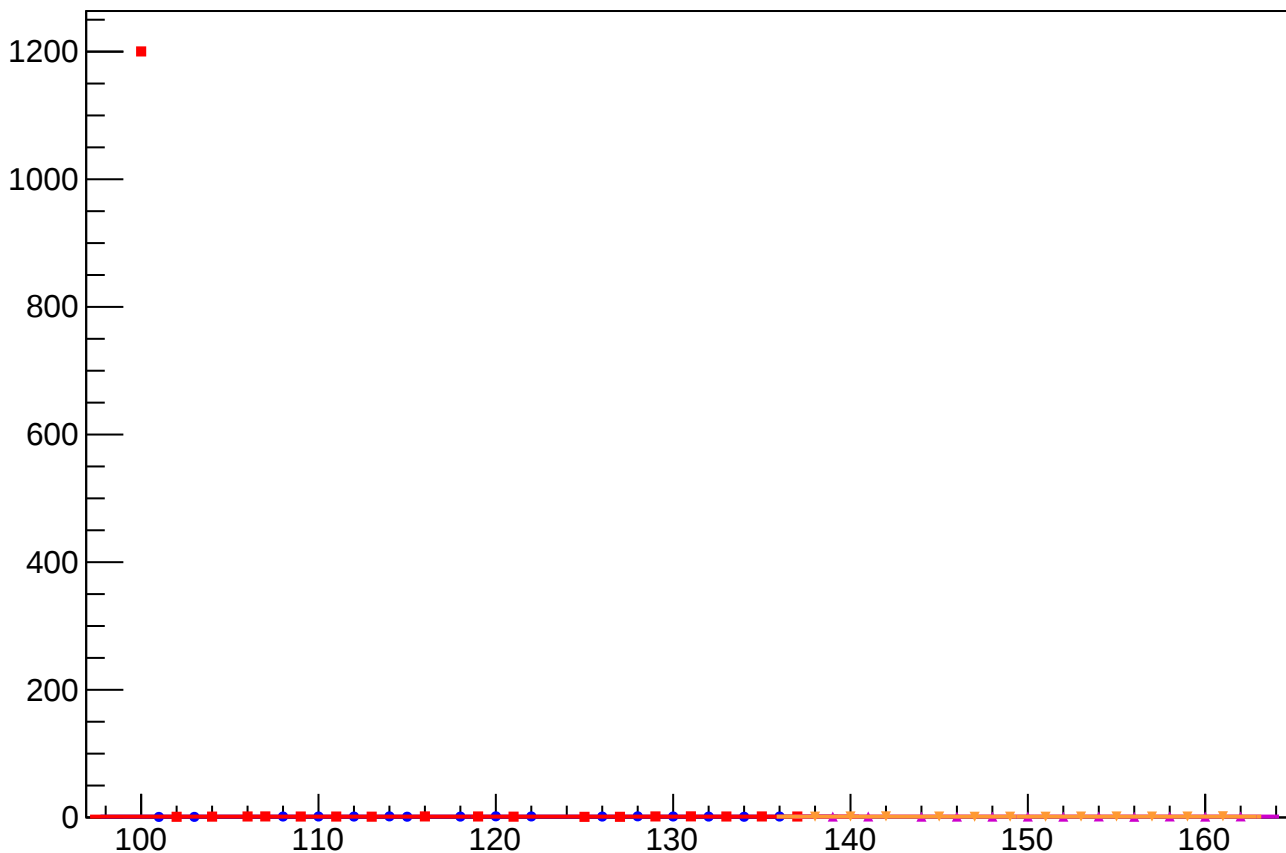
Left In: -0.366 ± 0.485 χ^2/NDF : 6.4/11

+ sign 0.091 ± 0.362 χ^2/NDF : 28.9/27

All: -0.125 ± 0.256 χ^2/NDF : 48.6/57

- sign -0.343 ± 0.363 χ^2/NDF : 19.0/29

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.350+/-0.000 χ^2/NDF : 327084.8/11

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

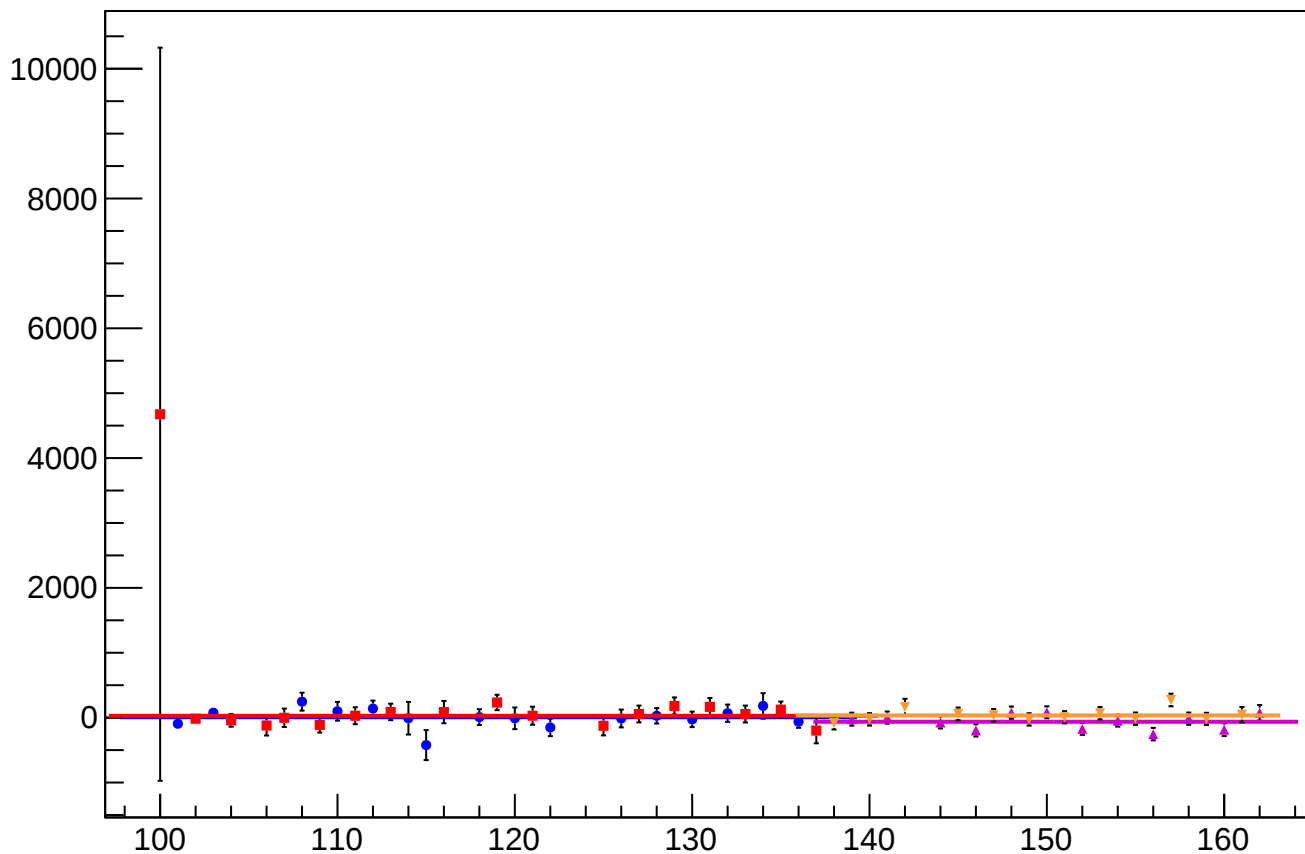
Left In: 1.378+/-0.000 χ^2/NDF : 220217.9/11

+ sign 1.298+/-0.000 χ^2/NDF : 1032649.9/27

All: 1.325+/-0.000 χ^2/NDF : 1810077.5/57

- sign 1.352+/-0.000 χ^2/NDF : 755601.4/29

asym_ds_dd_mean vs Slug



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

Left Out: 34.222 ± 28.757 χ^2/NDF : 10.0/11

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

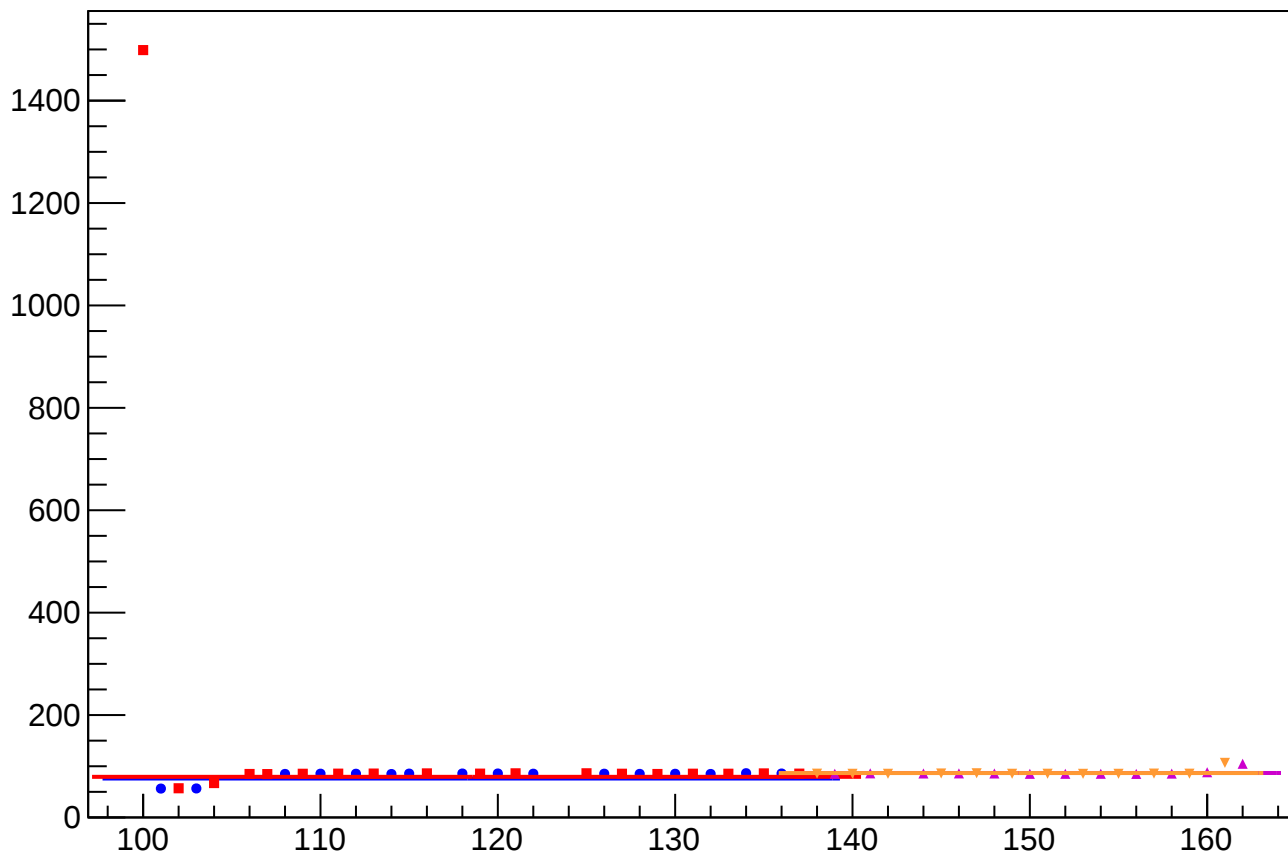
Left In: -63.418 ± 27.836 χ^2/NDF : 15.7/11

+ sign 21.071 ± 20.752 χ^2/NDF : 24.3/27

All: -0.448 ± 14.599 χ^2/NDF : 59.8/57

- sign -21.531 ± 20.541 χ^2/NDF : 33.3/29

asym_ds_dd_rms vs Slug



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

Left Out: 86.715 $\pm$ 0.020 χ^2 /NDF: 59058.8/11

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

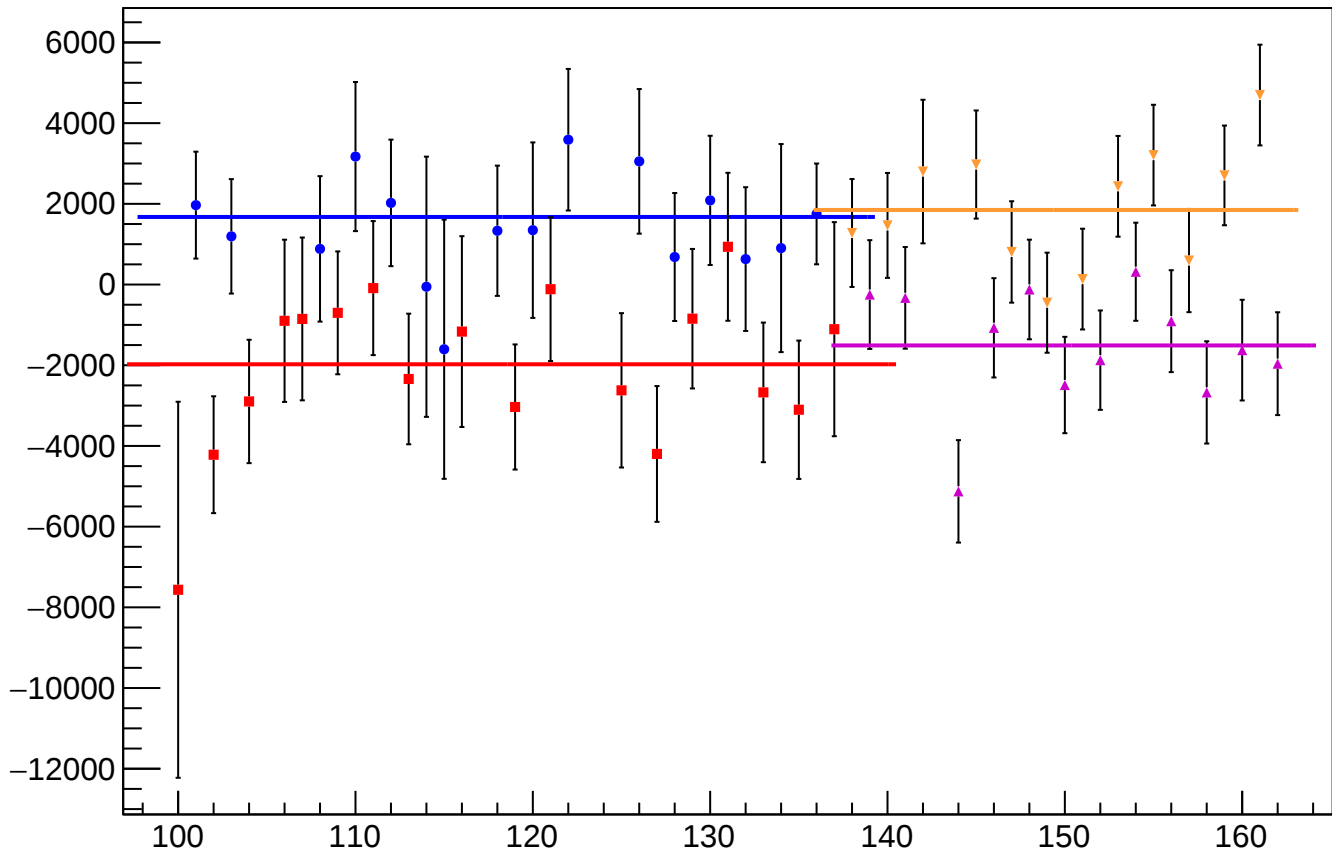
Left In: 86.859 $\pm$ 0.020 χ^2 /NDF: 49486.4/11

+ sign 81.605 $\pm$ 0.015 χ^2 /NDF: 599782.4/27

All: 82.529 $\pm$ 0.010 χ^2 /NDF: 1111244.6/57

- sign 83.434 $\pm$ 0.015 χ^2 /NDF: 503614.7/29

reg_asym_usl_mean vs Slug



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

Left Out: 1848.543 $\pm$ 374.214 χ^2 /NDF:15.3/11

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

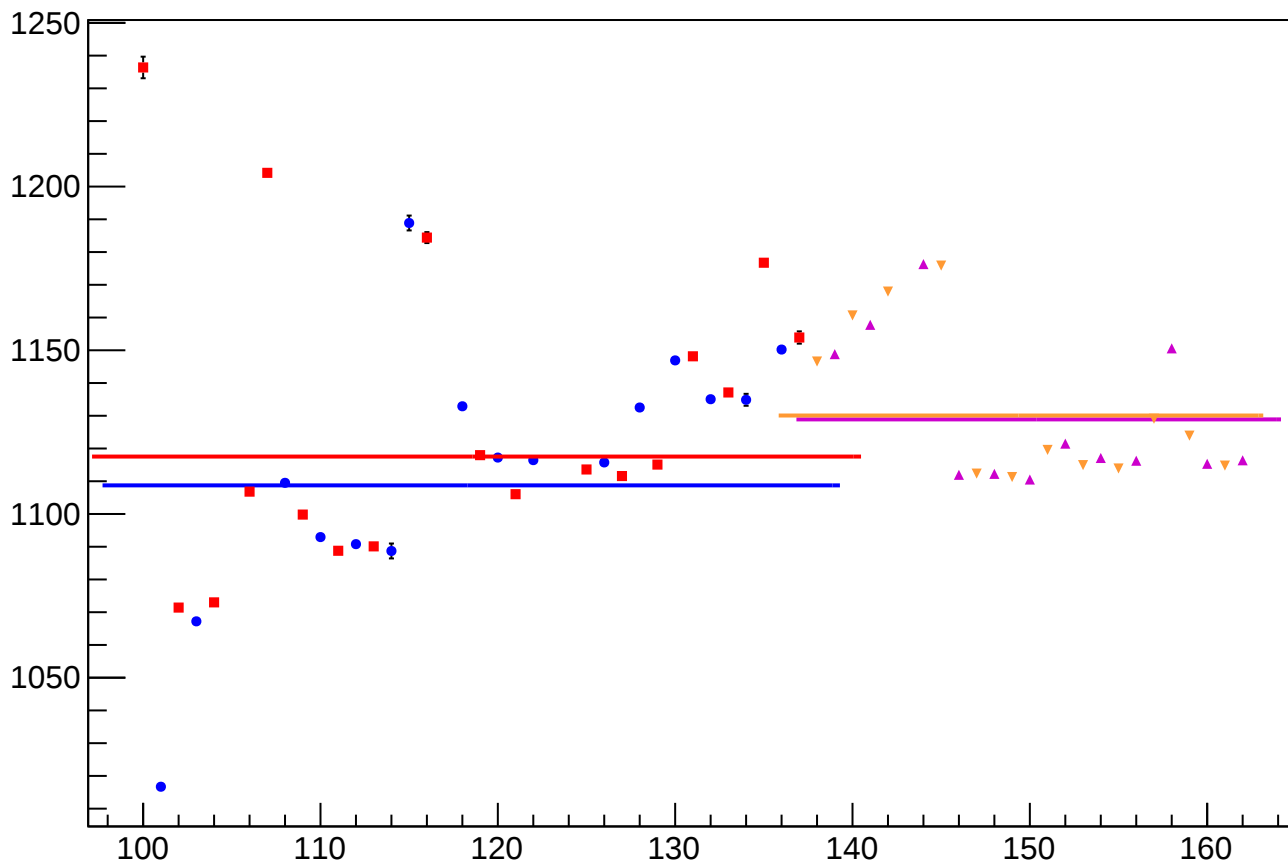
Left In: -1509.406 $\pm$ 361.228 χ^2 /NDF:15.5/11

+ sign 1773.867 $\pm$ 282.455 χ^2 /NDF: 20.5/27

All: -15.874 $\pm$ 196.865 χ^2 /NDF: 128.8/57

- sign -1706.623 $\pm$ 274.532 χ^2 /NDF: 30.2/29

reg_asym_usl_rms vs Slug



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

Left Out: 1130.077 $\pm$ 0.265 χ^2 /NDF: 6631.1/11

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

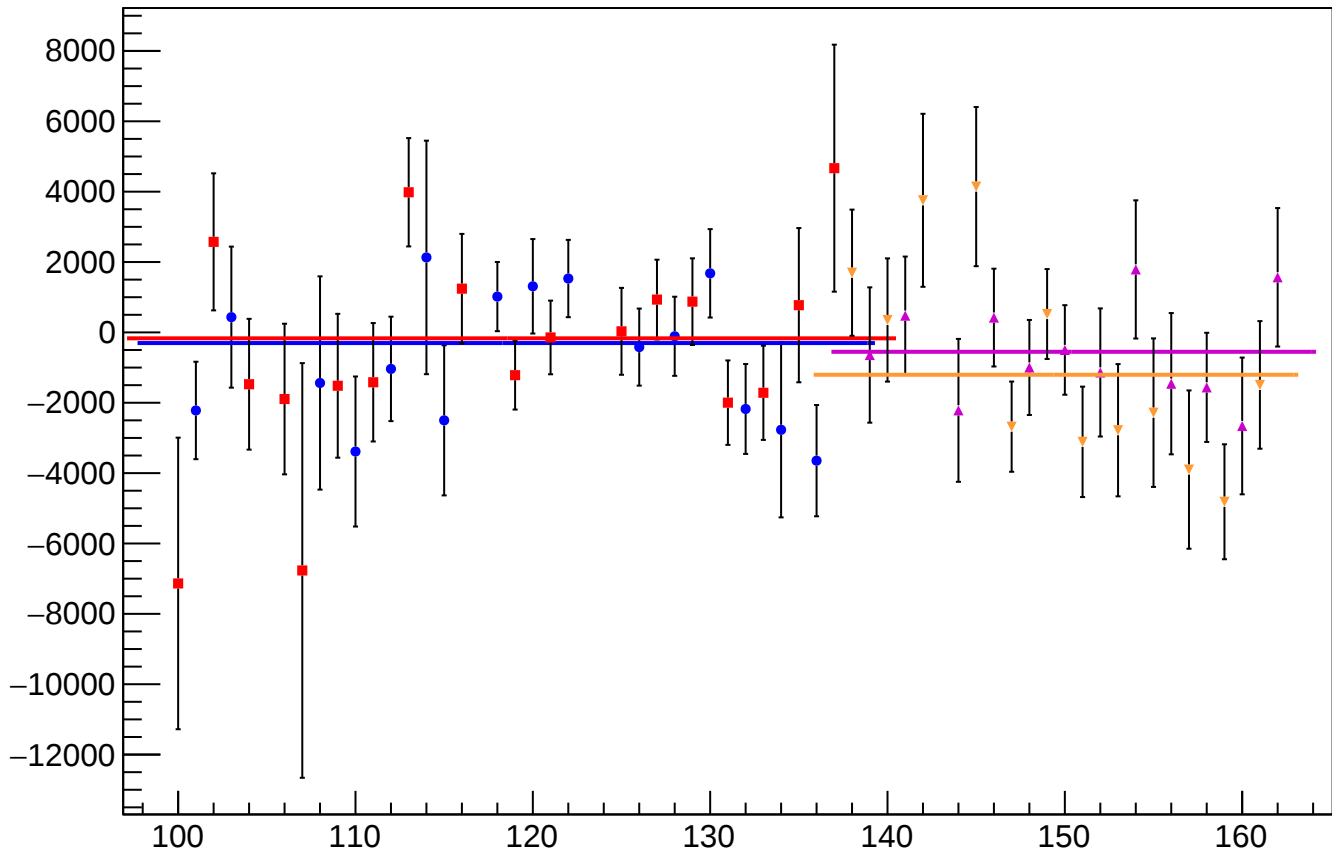
Left In: 1128.888 $\pm$ 0.255 χ^2 /NDF: 6969.8/11

+ sign 1120.896 $\pm$ 0.200 χ^2 /NDF: 27509.7/27

All: 1122.540 $\pm$ 0.139 χ^2 /NDF: 50960.5/57

- sign 1124.094 $\pm$ 0.194 χ^2 /NDF: 23318.9/29

asym_usl_correction_mean vs Slug



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

Left Out: -1204.252 ± 499.484 χ^2/NDF : 25.0/11

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

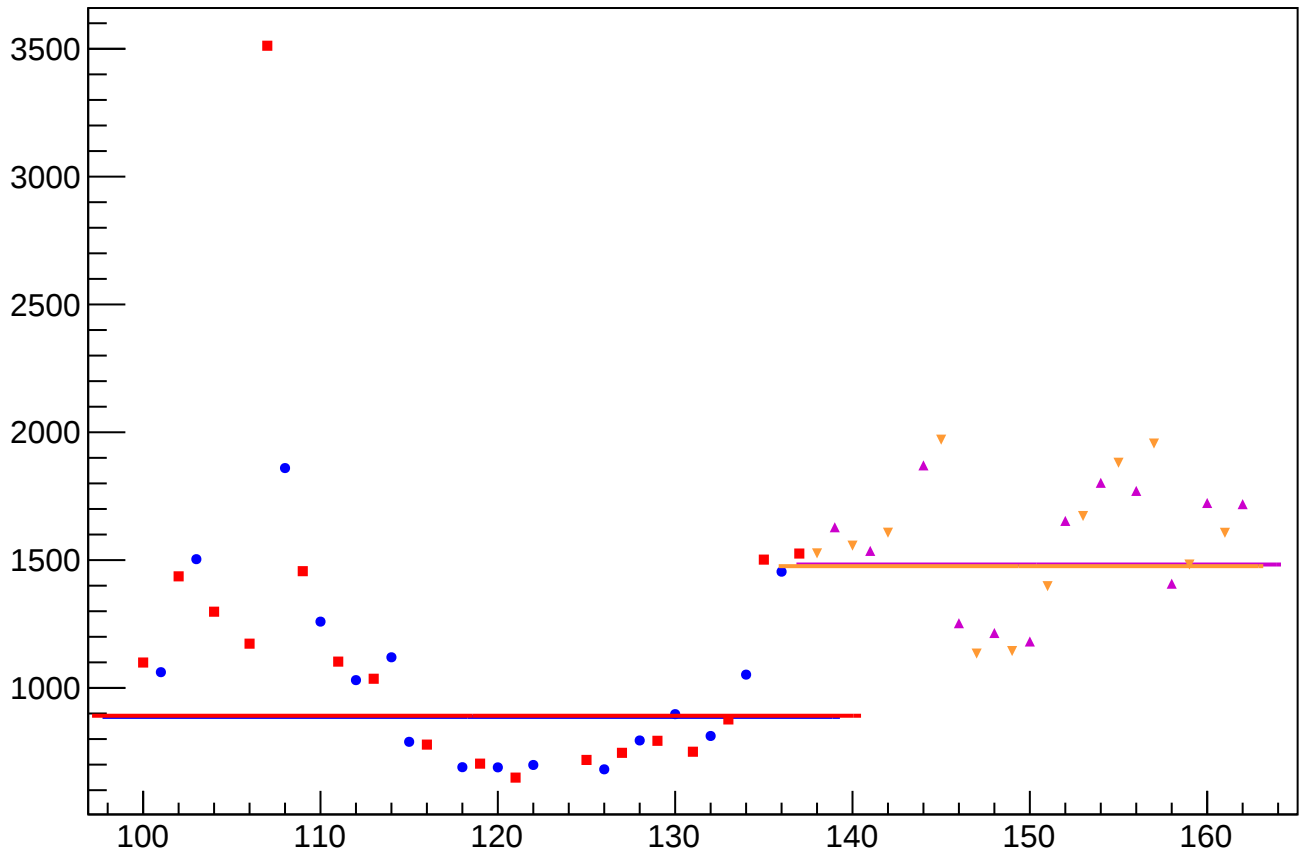
Left In: -551.260 ± 482.344 χ^2/NDF : 6.1/11

+ sign -611.414 ± 292.086 χ^2/NDF : 49.4/27

All: -454.677 ± 204.553 χ^2/NDF : 81.4/57

- sign -303.819 ± 286.556 χ^2/NDF : 31.4/29

asym_usl_correction_rms vs Slug



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

Left Out: 1476.294+/-0.353 χ^2/NDF : 585888.7/11

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

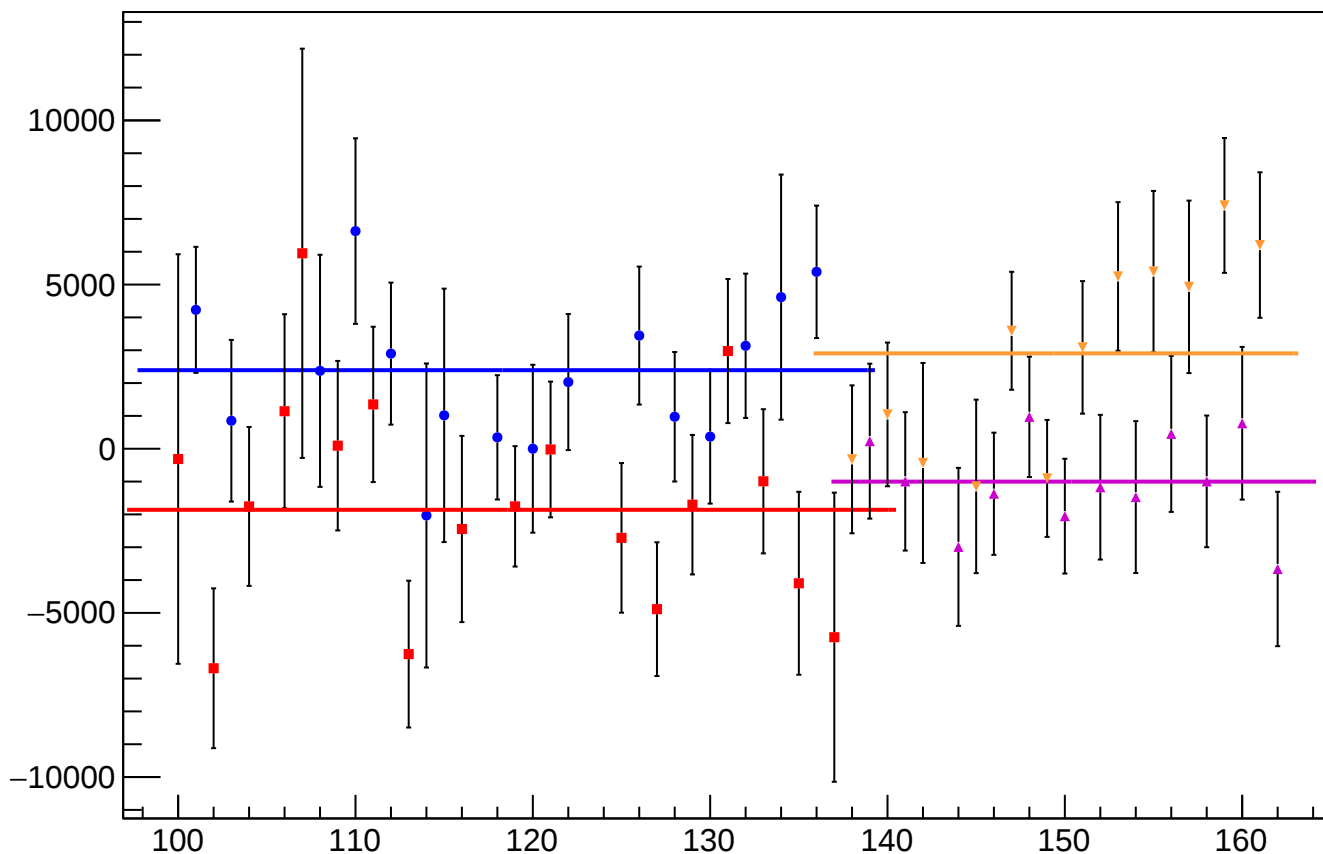
Left In: 1482.753+/-0.341 χ^2/NDF : 507354.7/11

+ sign 1088.313+/-0.207 χ^2/NDF : 3480575.4/27

All: 1094.259+/-0.145 χ^2/NDF : 7350224.5/57

- sign 1099.983+/-0.203 χ^2/NDF : 3868022.2/29

asym_usl_mean vs Slug



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

Left Out: 2904.229 $\pm$ 635.788 χ^2 /NDF:20.8/11

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

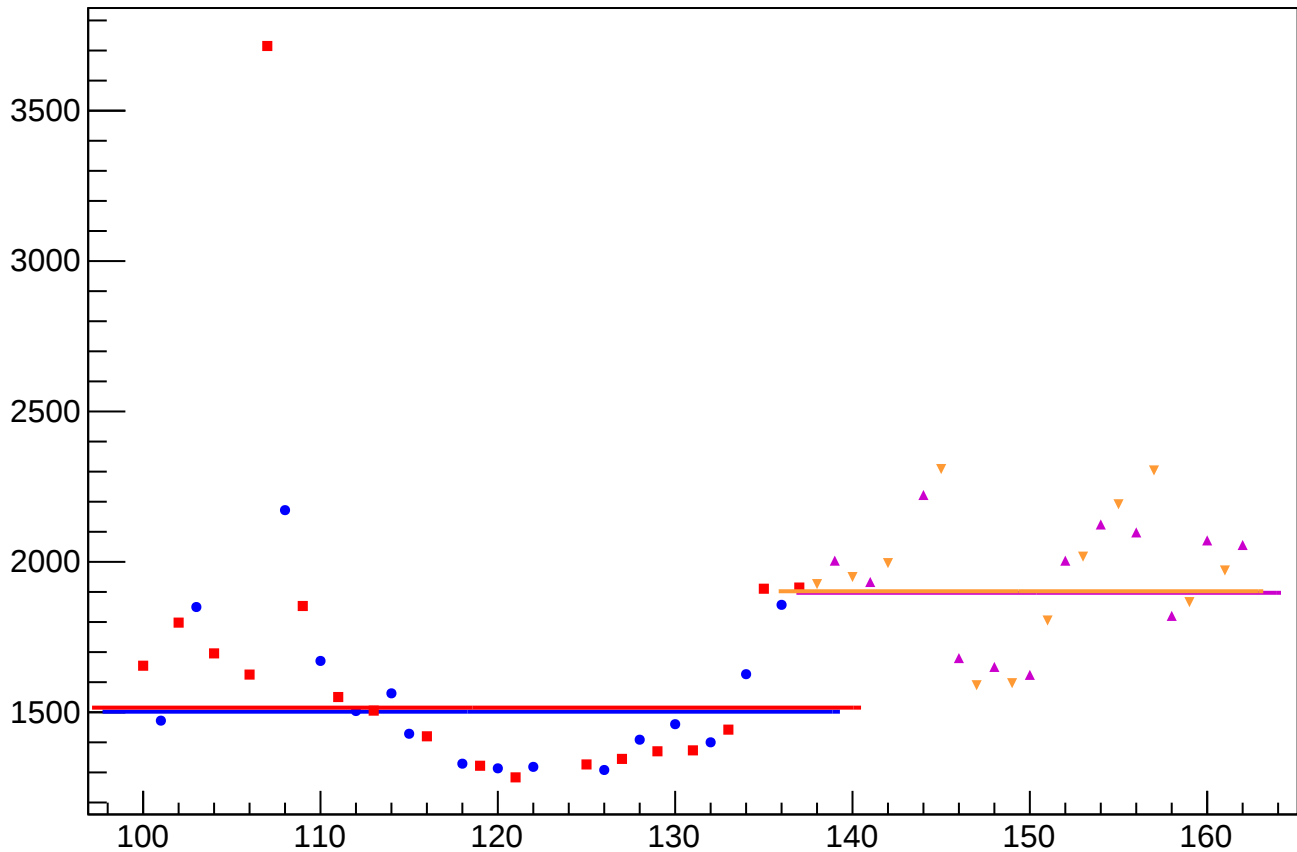
Left In: -1001.866 $\pm$ 611.303 χ^2 /NDF:4.8/11

+ sign 2628.779 $\pm$ 432.077 χ^2 /NDF: 32.3/27

All: 540.414 $\pm$ 301.877 χ^2 /NDF: 106.3/57

- sign -1451.101 $\pm$ 421.939 χ^2 /NDF: 28.3/29

asym_usl_rms vs Slug



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

Left Out: 1902.278+/-0.450 χ^2/NDF : 256525.8/11

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

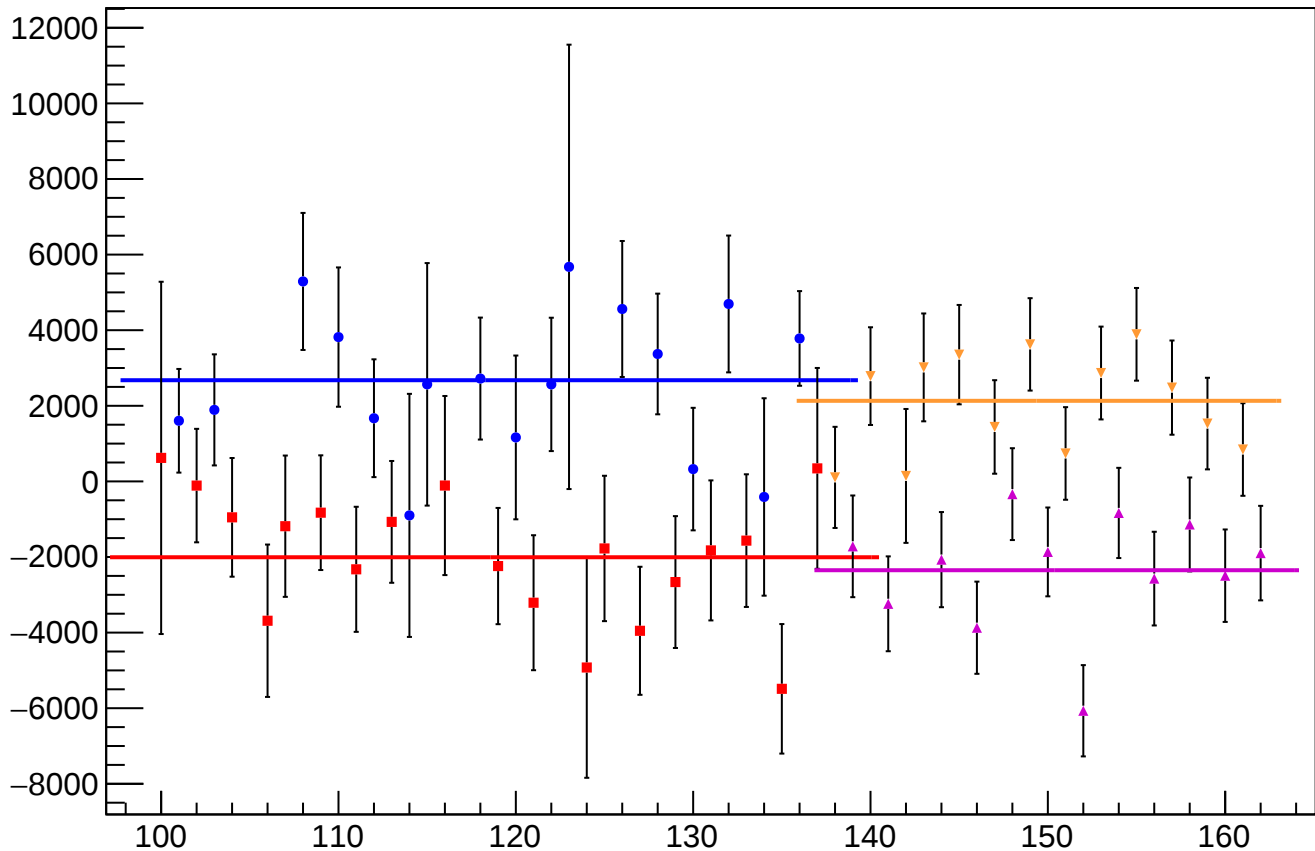
Left In: 1897.181+/-0.432 χ^2/NDF : 214860.8/11

+ sign 1686.833+/-0.306 χ^2/NDF : 937823.5/27

All: 1692.186+/-0.213 χ^2/NDF : 2041474.4/57

- sign 1697.290+/-0.298 χ^2/NDF : 1103051.2/29

reg_asym_usr_mean vs Slug



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

Left Out: 2131.850 $\pm$ 356.780 χ^2 /NDF:12.0/12

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

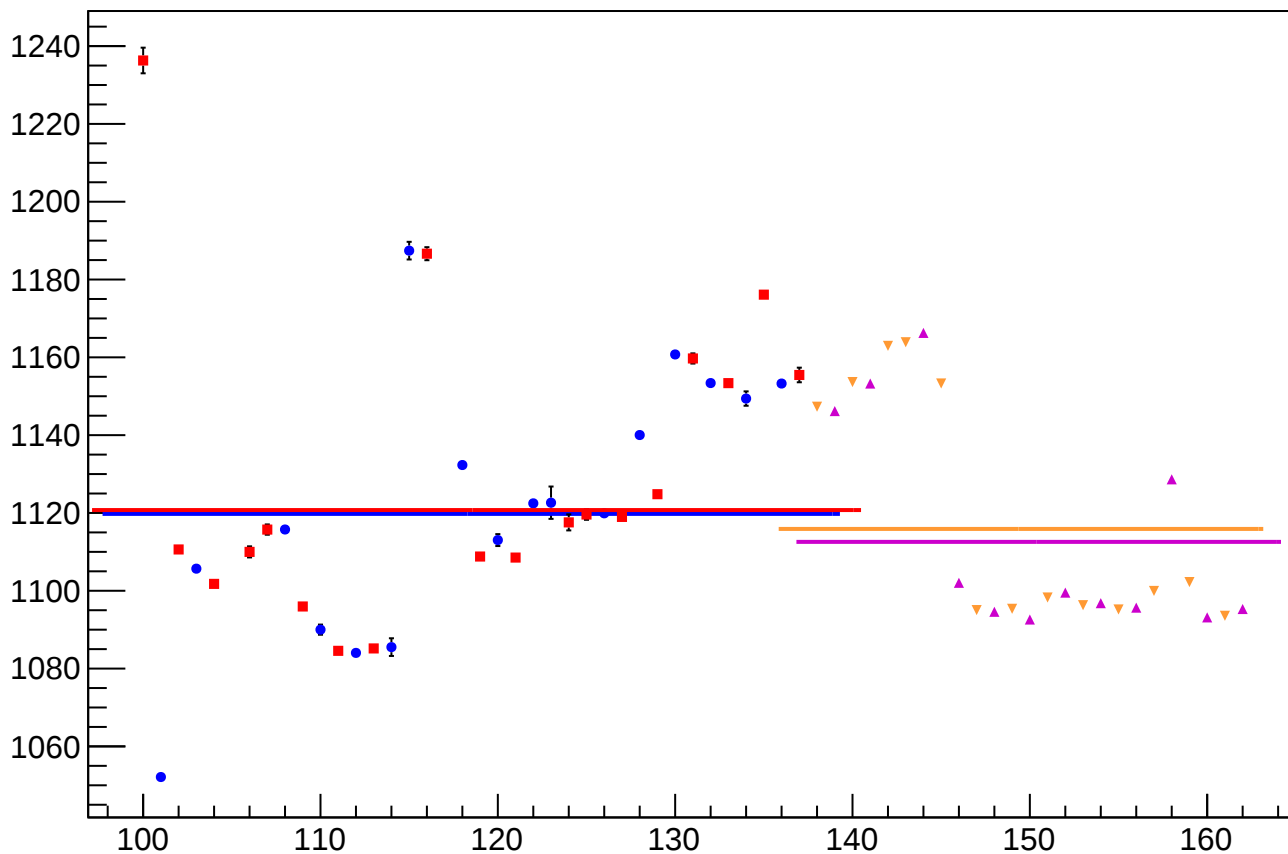
Left In: -2349.760 $\pm$ 356.037 χ^2 /NDF:17.5/11

+ sign 2351.818 $\pm$ 275.499 χ^2 /NDF: 25.5/29

All: 38.448 $\pm$ 193.327 χ^2 /NDF: 195.1/60

- sign -2205.931 $\pm$ 271.359 χ^2 /NDF: 30.7/30

reg_asym_usr_rms vs Slug



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

Left Out: 1115.898 $\pm$ 0.252 χ^2 /NDF:11973.6/12

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

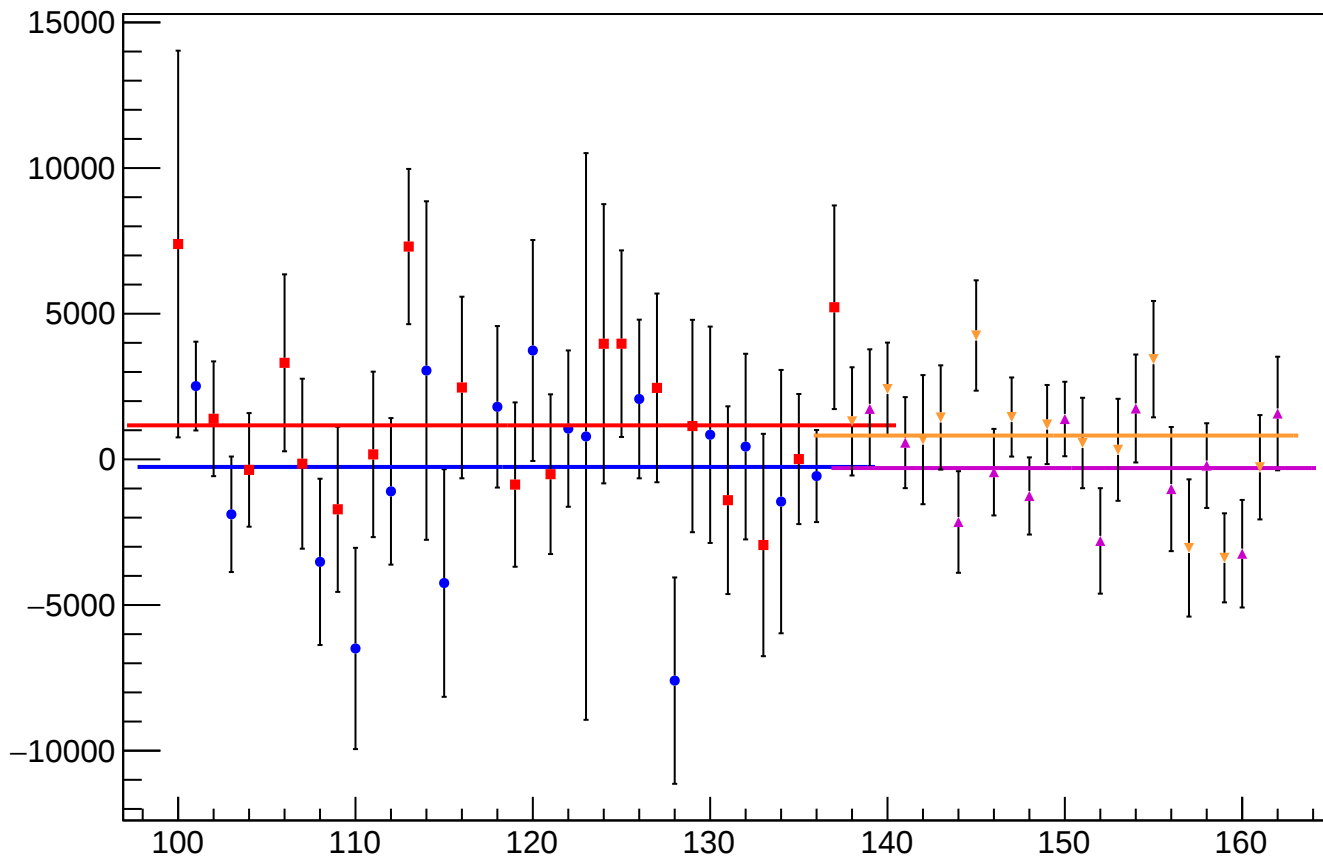
Left In: 1112.569 $\pm$ 0.252 χ^2 /NDF:10332.2/11

+ sign 1117.458 $\pm$ 0.195 χ^2 /NDF: 23945.1/29

All: 1116.716 $\pm$ 0.137 χ^2 /NDF: 44682.3/60

- sign 1115.996 $\pm$ 0.192 χ^2 /NDF: 20708.5/30

asym_usr_correction_mean vs Slug



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

Left Out: 818.171 ± 472.762 χ^2/NDF : 17.2/12

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

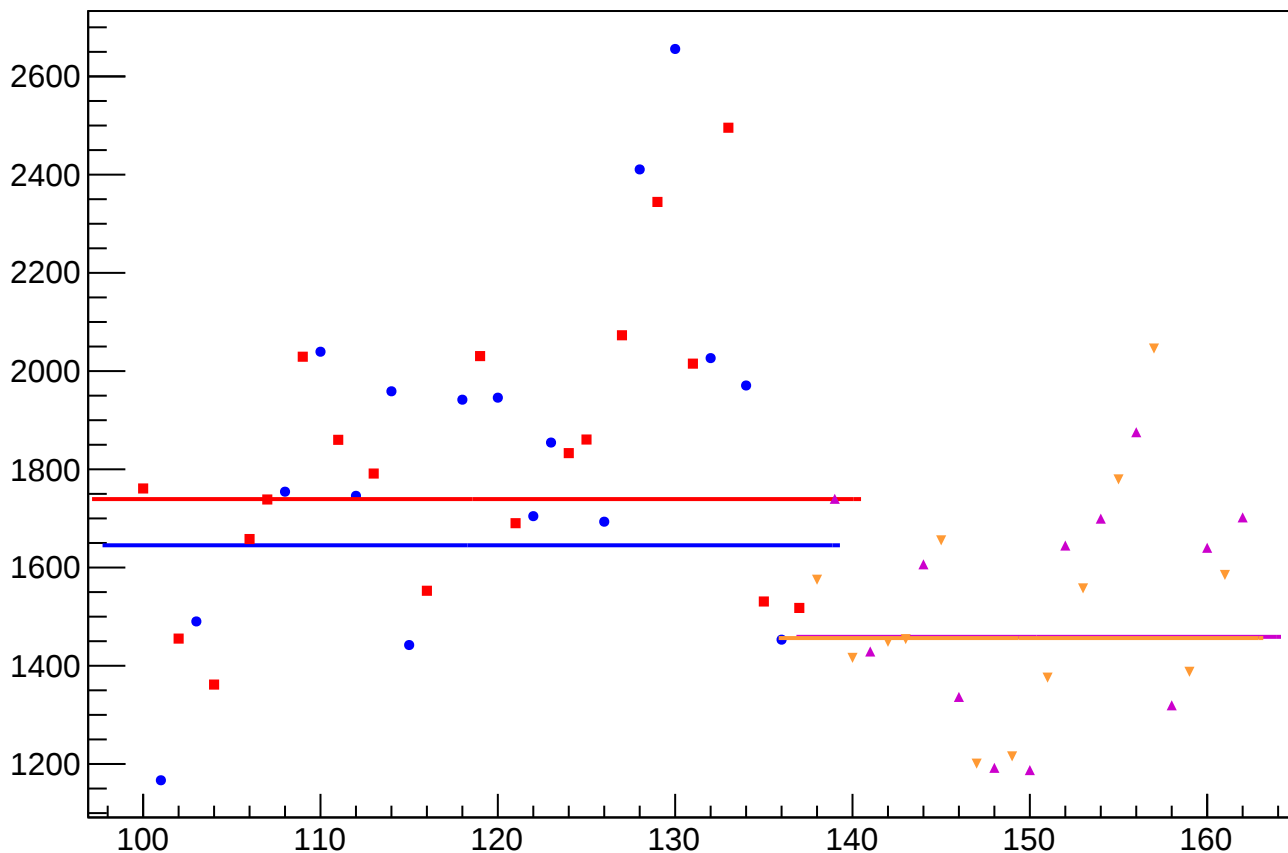
Left In: -298.471 ± 473.611 χ^2/NDF : 11.4/11

+ sign 449.142 ± 383.395 χ^2/NDF : 36.2/29

All: 323.907 ± 271.762 χ^2/NDF : 65.5/60

- sign 197.444 ± 385.270 χ^2/NDF : 29.0/30

asym_usr_correction_rms vs Slug



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

Left Out: 1456.386 ± 0.334 χ^2/NDF : 369405.5/12

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

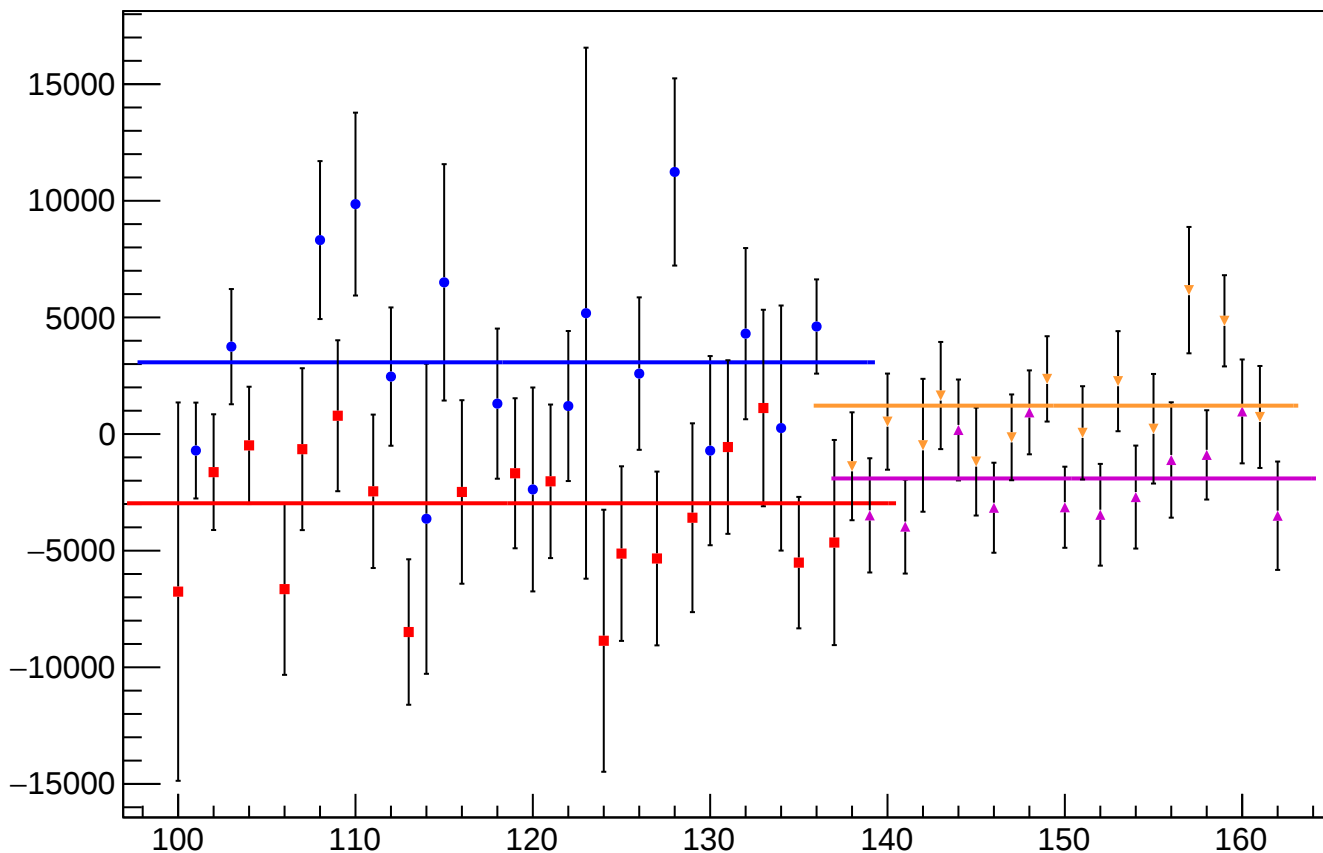
Left In: 1458.905 ± 0.335 χ^2/NDF : 437717.0/11

+ sign 1521.059 ± 0.271 χ^2/NDF : 1079653.2/29

All: 1537.339 ± 0.192 χ^2/NDF : 2132895.3/60

- sign 1553.780 ± 0.272 χ^2/NDF : 1045994.0/30

asym_usr_mean vs Slug



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

Left Out: 1217.417 $\pm$ 600.614 χ^2 /NDF: 11.4/12

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

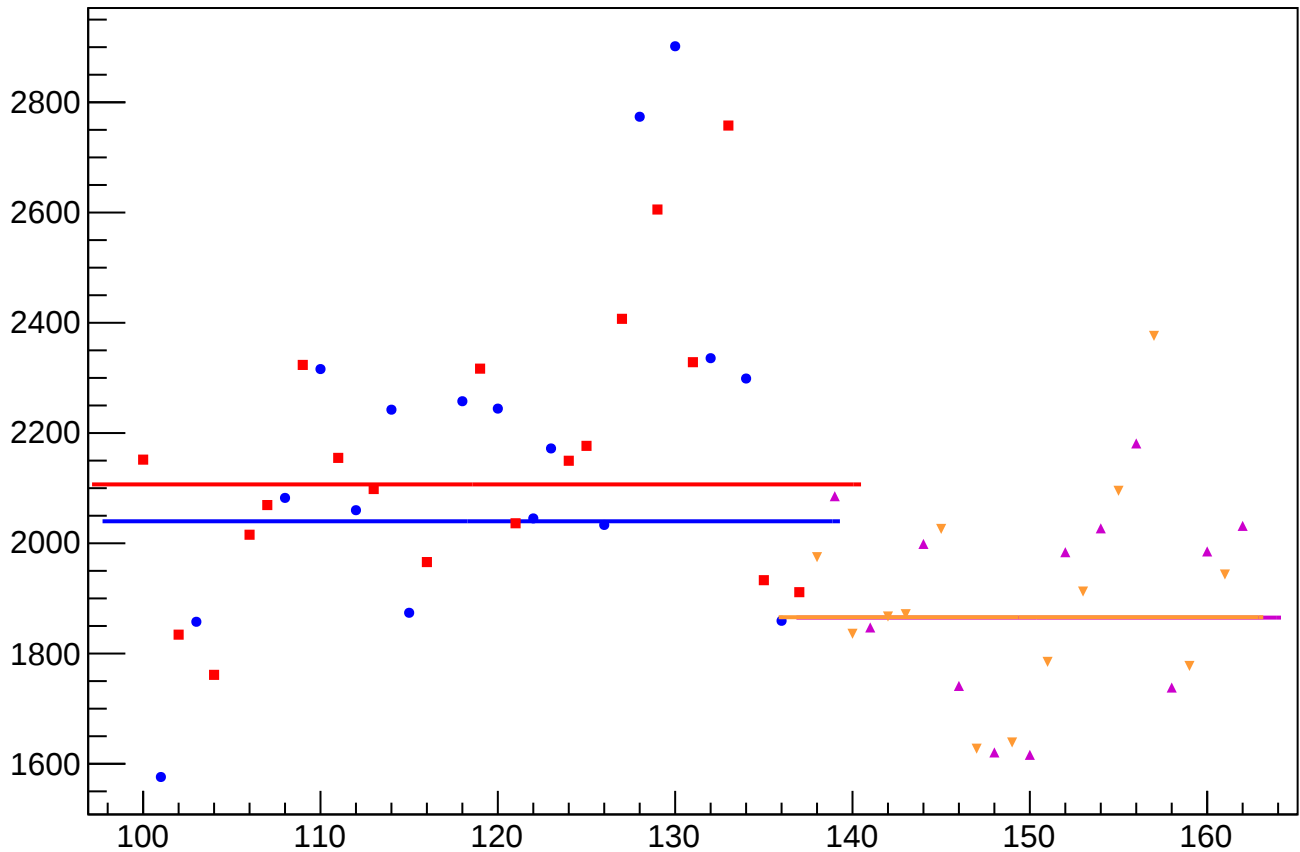
Left In: -1904.141 $\pm$ 600.403 χ^2 /NDF: 9.0/11

+ sign 1884.763 $\pm$ 480.799 χ^2 /NDF: 33.4/29

All: -209.308 $\pm$ 339.430 χ^2 /NDF: 93.2/60

- sign -2289.976 $\pm$ 479.258 χ^2 /NDF: 22.0/30

asym_usr_rms vs Slug



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

Left Out: 1865.903 $\pm$ 0.425 χ^2 /NDF:179820.4/12

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

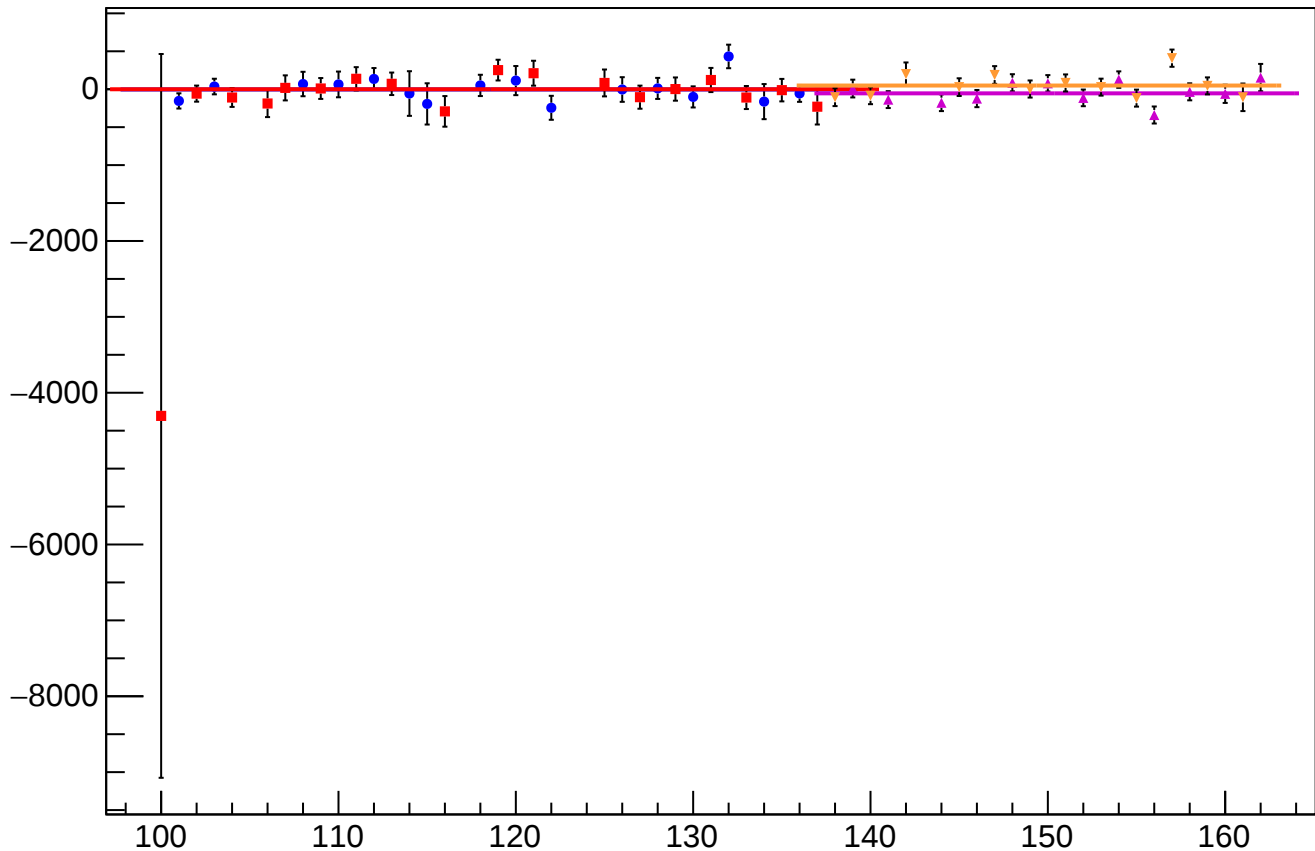
Left In: 1865.184 $\pm$ 0.425 χ^2 /NDF:184366.5/11

+ sign 1928.414 $\pm$ 0.340 χ^2 /NDF: 572121.8/29

All: 1940.677 $\pm$ 0.240 χ^2 /NDF: 1072080.4/60

- sign 1952.862 $\pm$ 0.339 χ^2 /NDF: 497364.6/30

reg_asym_dsl_mean vs Slug



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

Left Out: 48.658 ± 34.320 χ^2/NDF : 18.9/11

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

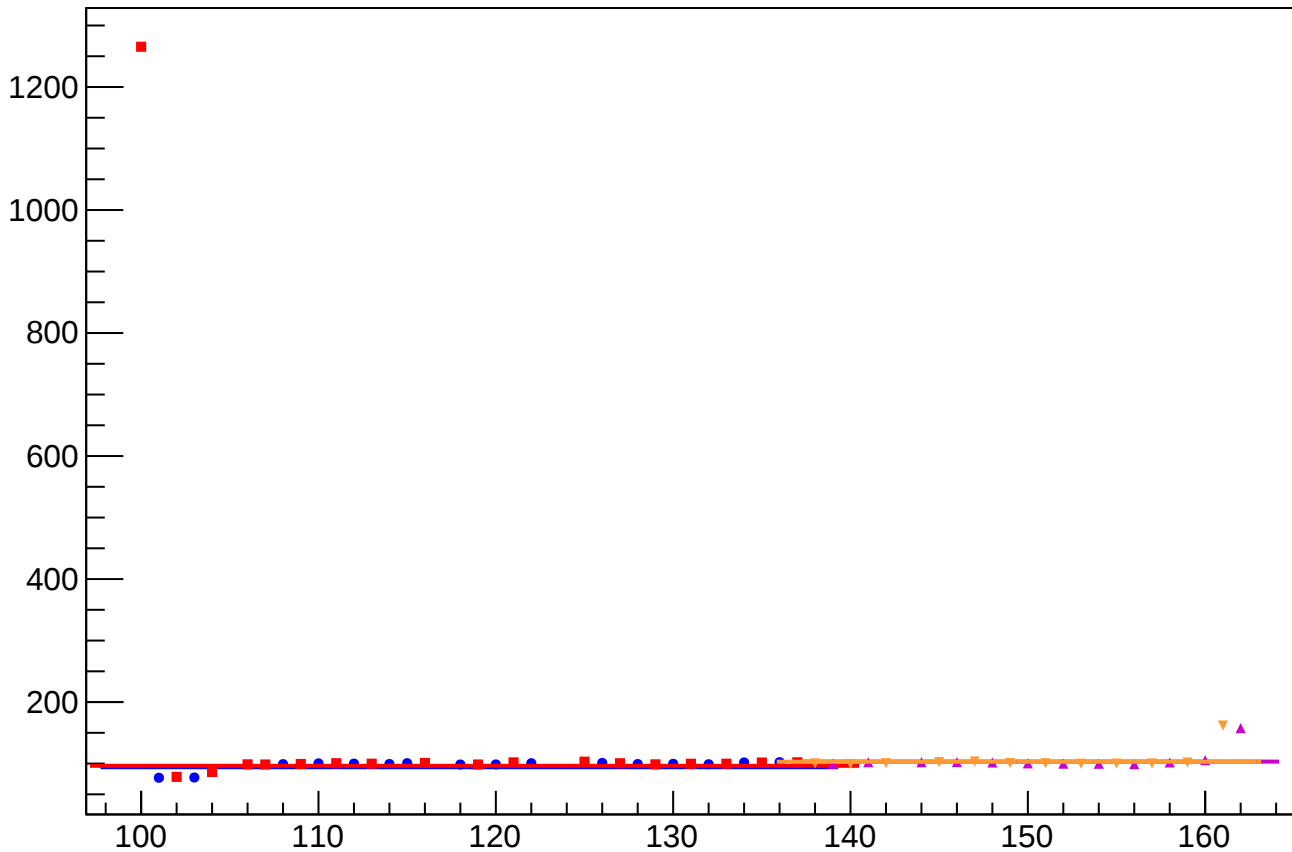
Left In: -54.356 ± 33.233 χ^2/NDF : 16.4/11

+ sign 24.436 ± 25.072 χ^2/NDF : 36.1/27

All: -3.304 ± 17.571 χ^2/NDF : 70.1/57

- sign -30.084 ± 24.634 χ^2/NDF : 31.6/29

reg_asym_dsl_rms vs Slug



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

Left Out: 103.020 $\pm$ 0.024 χ^2 /NDF: 219947.3/11

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

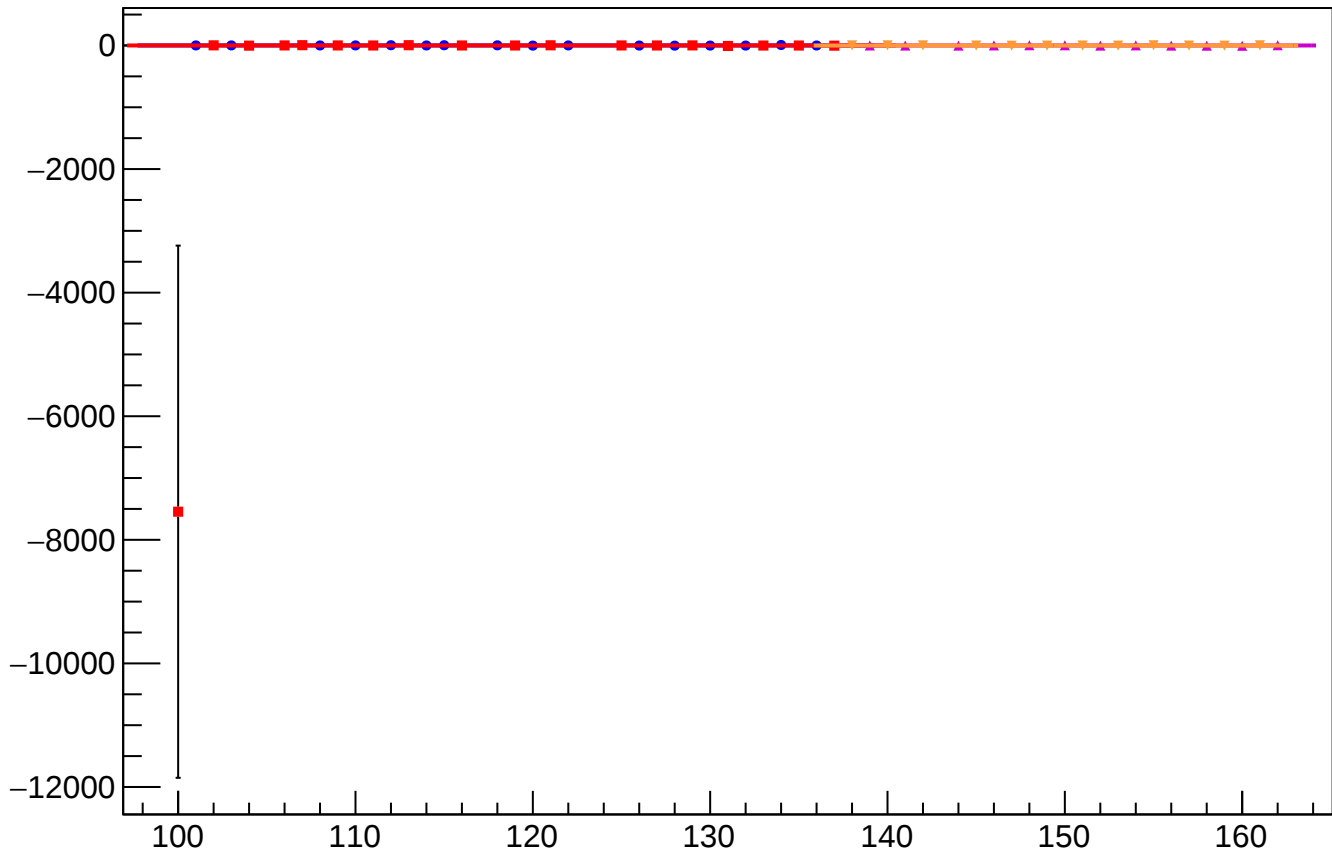
Left In: 103.209 $\pm$ 0.023 χ^2 /NDF: 194435.9/11

+ sign 98.845 $\pm$ 0.018 χ^2 /NDF: 435679.2/27

All: 99.498 $\pm$ 0.012 χ^2 /NDF: 880151.6/57

- sign 100.129 $\pm$ 0.017 χ^2 /NDF: 441805.5/29

asym_dsl_correction_mean vs Slug



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

Left Out: -0.690+/-0.594 χ^2/NDF : 13.7/11

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

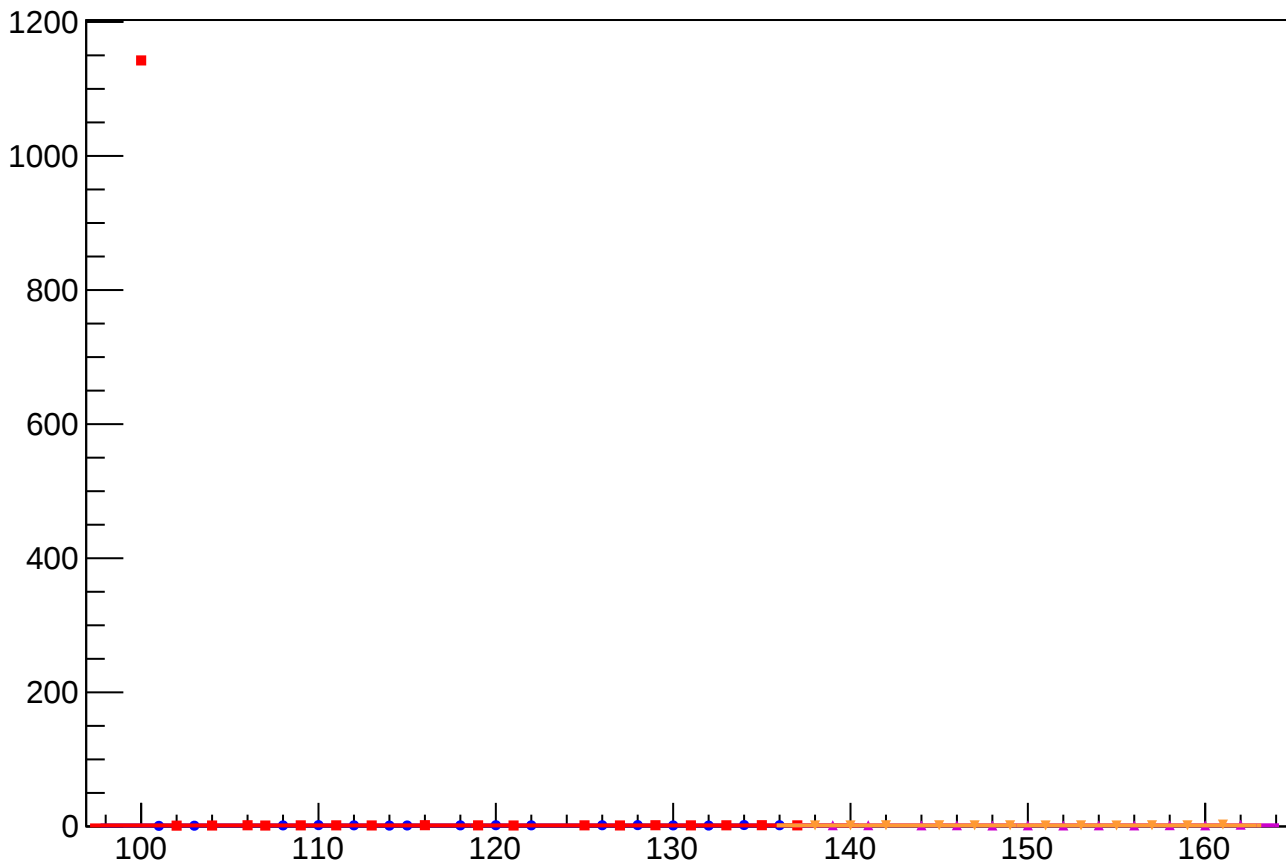
Left In: -0.006+/-0.602 χ^2/NDF : 19.9/11

+ sign -0.152+/-0.428 χ^2/NDF : 25.1/27

All: -0.009+/-0.306 χ^2/NDF : 68.1/57

- sign 0.143+/-0.439 χ^2/NDF : 42.8/29

asym_dsl_correction_rms vs Slug



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

Left Out: 1.633 $\pm$ 0.000 χ^2 /NDF: 267336.4/11

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

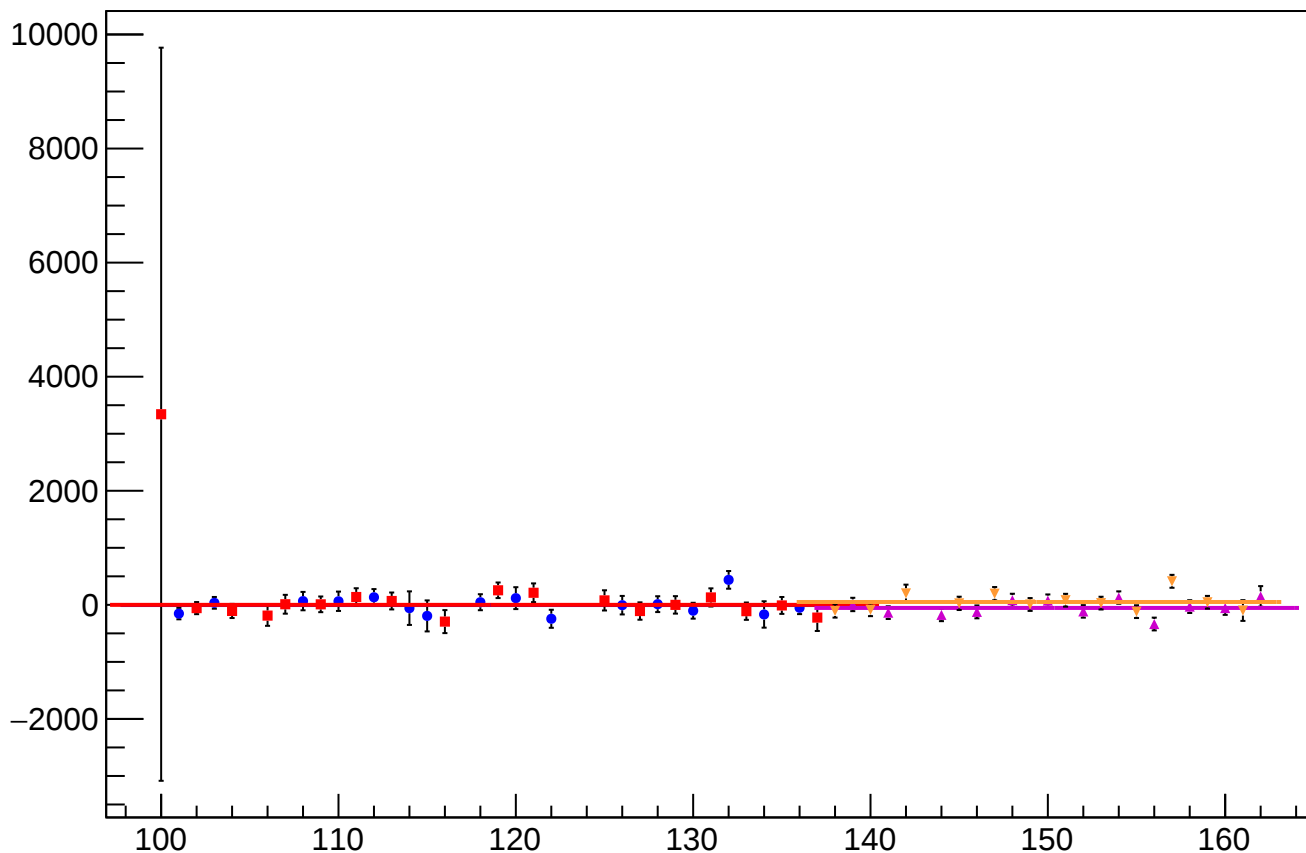
Left In: 1.731 $\pm$ 0.000 χ^2 /NDF: 268190.0/11

+ sign 1.530 $\pm$ 0.000 χ^2 /NDF: 1123225.7/27

All: 1.588 $\pm$ 0.000 χ^2 /NDF: 1861695.5/57

- sign 1.649 $\pm$ 0.000 χ^2 /NDF: 663432.1/29

asym_dsl_mean vs Slug



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

Left Out: 50.064+/-34.329 χ^2/NDF : 19.3/11

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

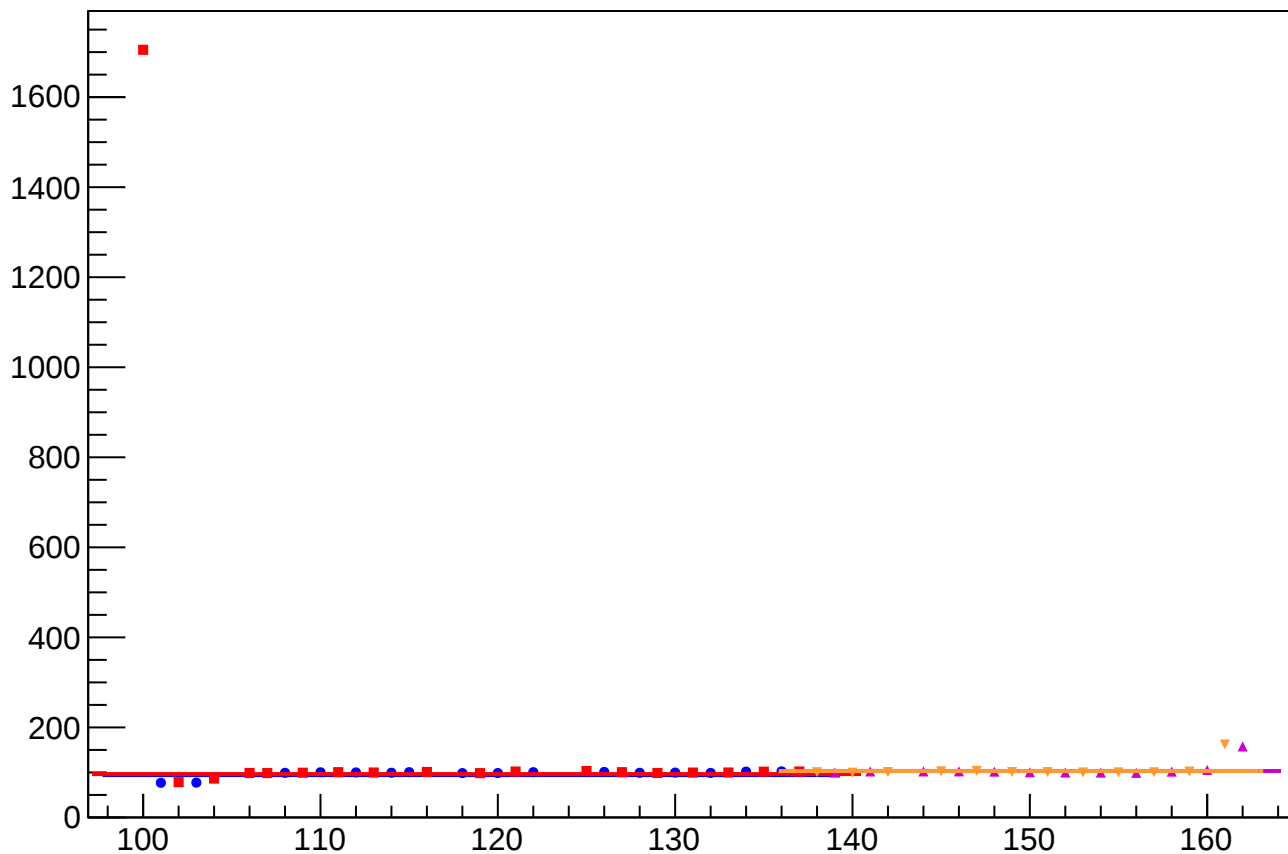
Left In: -54.058+/-33.242 χ^2/NDF : 16.0/11

+ sign 25.272+/-25.078 χ^2/NDF : 36.7/27

All: -2.738+/-17.576 χ^2/NDF : 69.9/57

- sign -29.779+/-24.640 χ^2/NDF : 30.7/29

asym_dsl_rms vs Slug



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

Left Out: 103.047+/-0.024 χ^2/NDF : 220044.5/11

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

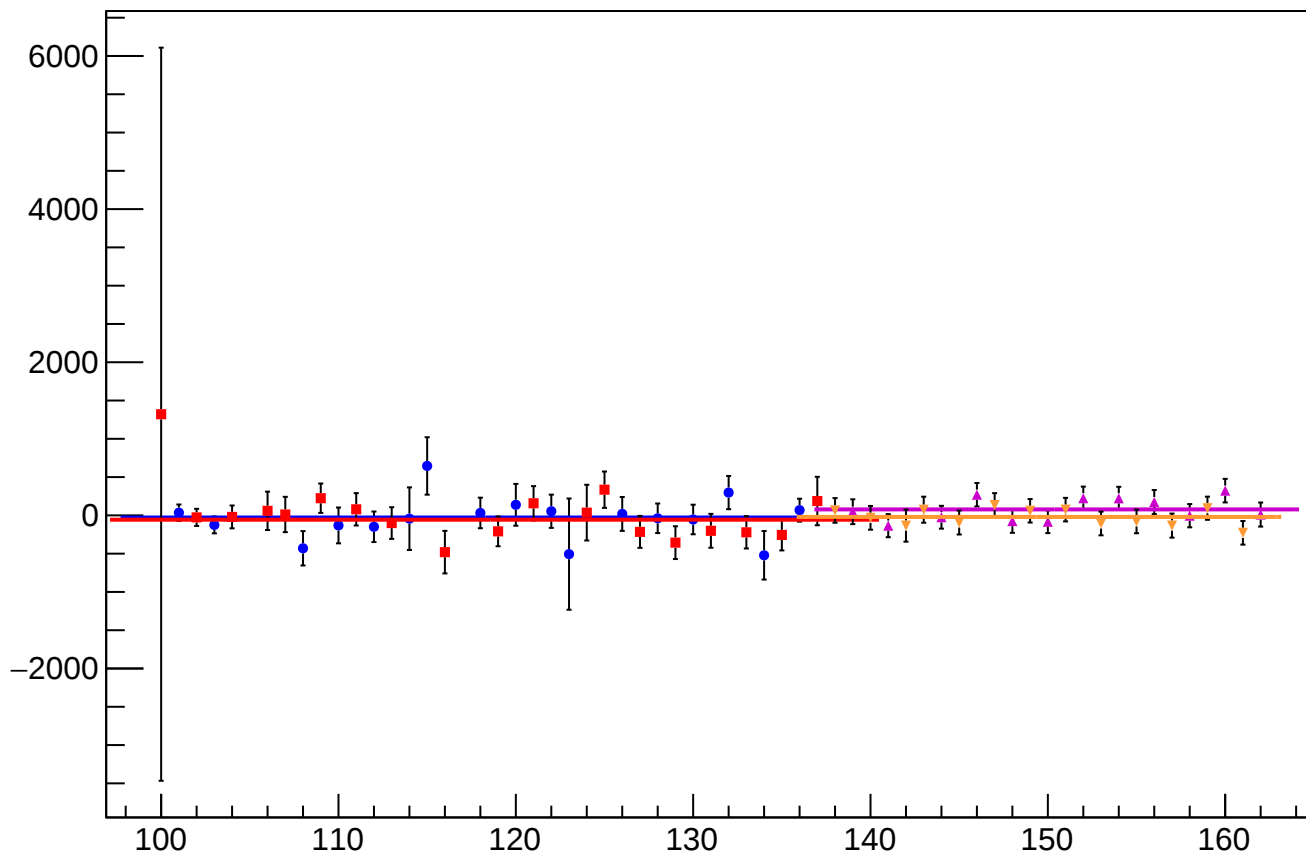
Left In: 103.237+/-0.024 χ^2/NDF : 194466.8/11

+ sign 98.871+/-0.018 χ^2/NDF : 435803.0/27

All: 99.521+/-0.012 χ^2/NDF : 885608.6/57

- sign 100.148+/-0.017 χ^2/NDF : 447166.6/29

reg_asym_dsr_mean vs Slug



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

Left Out: -20.327 ± 44.115 χ^2/NDF : 6.1/12

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

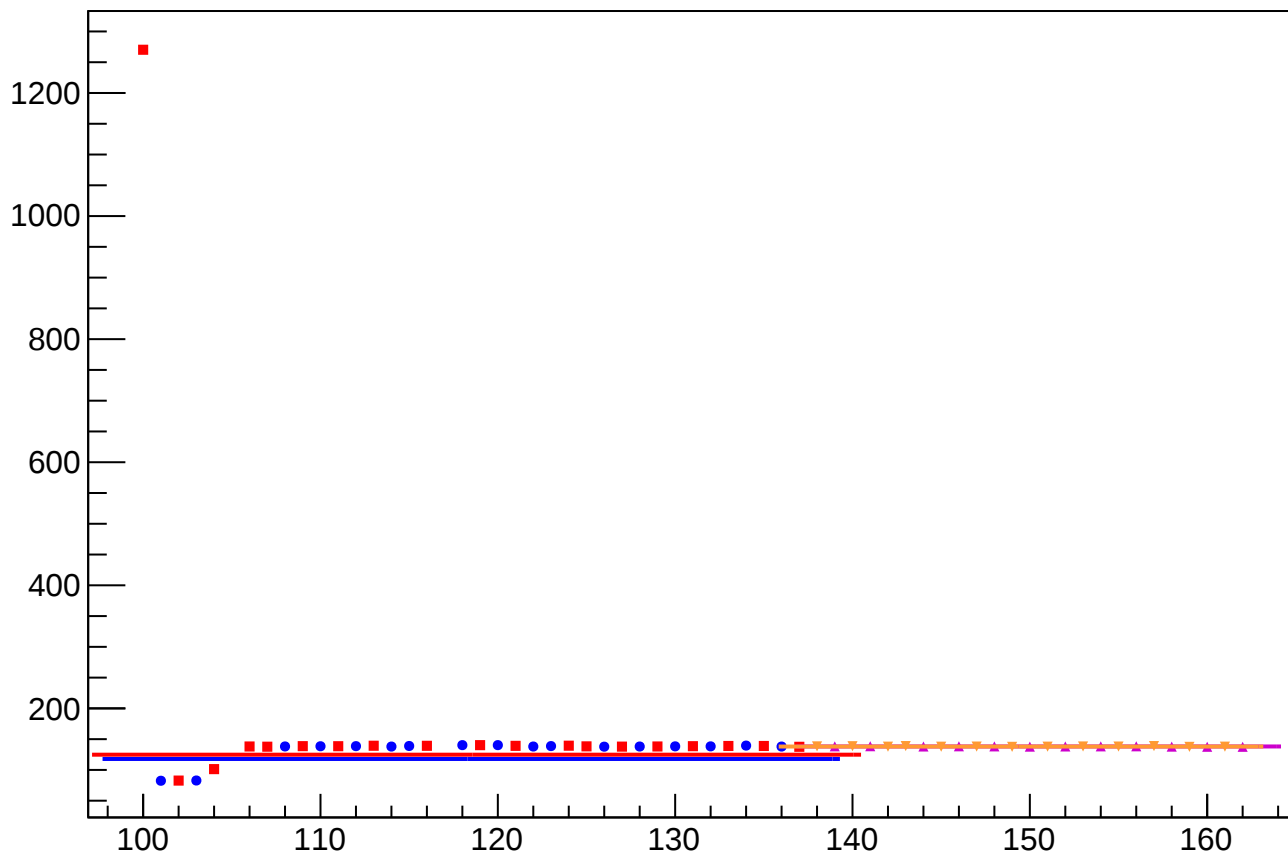
Left In: 77.996 ± 44.193 χ^2/NDF : 11.5/11

+ sign -23.864 ± 32.094 χ^2/NDF : 20.4/29

All: -4.168 ± 22.808 χ^2/NDF : 51.8/60

- sign 15.932 ± 32.421 χ^2/NDF : 30.6/30

reg_asym_dsr_rms vs Slug



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

Left Out: 138.021 +/- 0.031 χ^2/NDF : 170.6/12

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

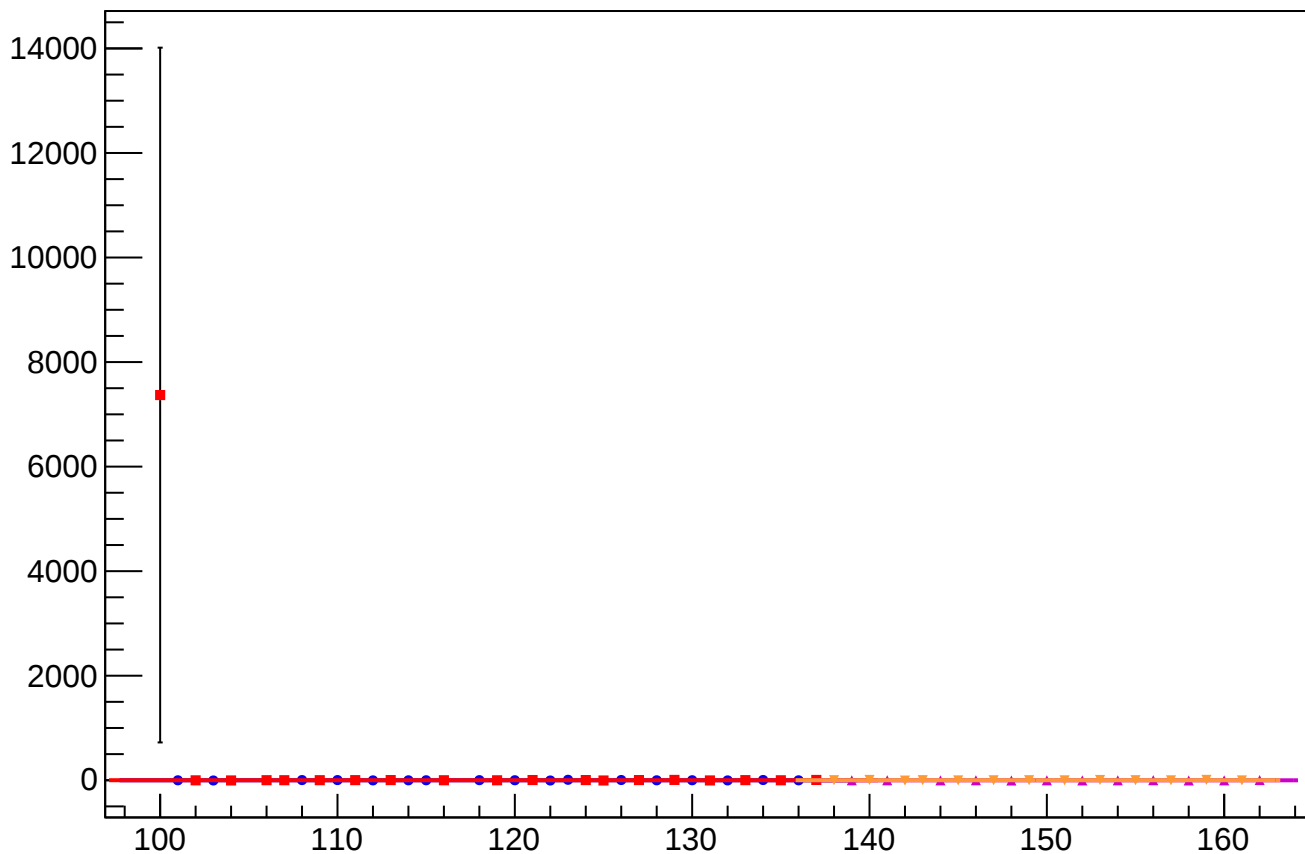
Left In: 138.127 +/- 0.031 χ^2/NDF : 91.1/11

+ sign 128.509 +/- 0.023 χ^2/NDF : 864265.2/29

All: 130.215 +/- 0.016 χ^2/NDF : 1529997.9/60

- sign 131.956 +/- 0.023 χ^2/NDF : 654317.3/30

asym_dsr_correction_mean vs Slug



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

Left Out: 0.535 ± 0.751 χ^2/NDF : 19.5/12

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

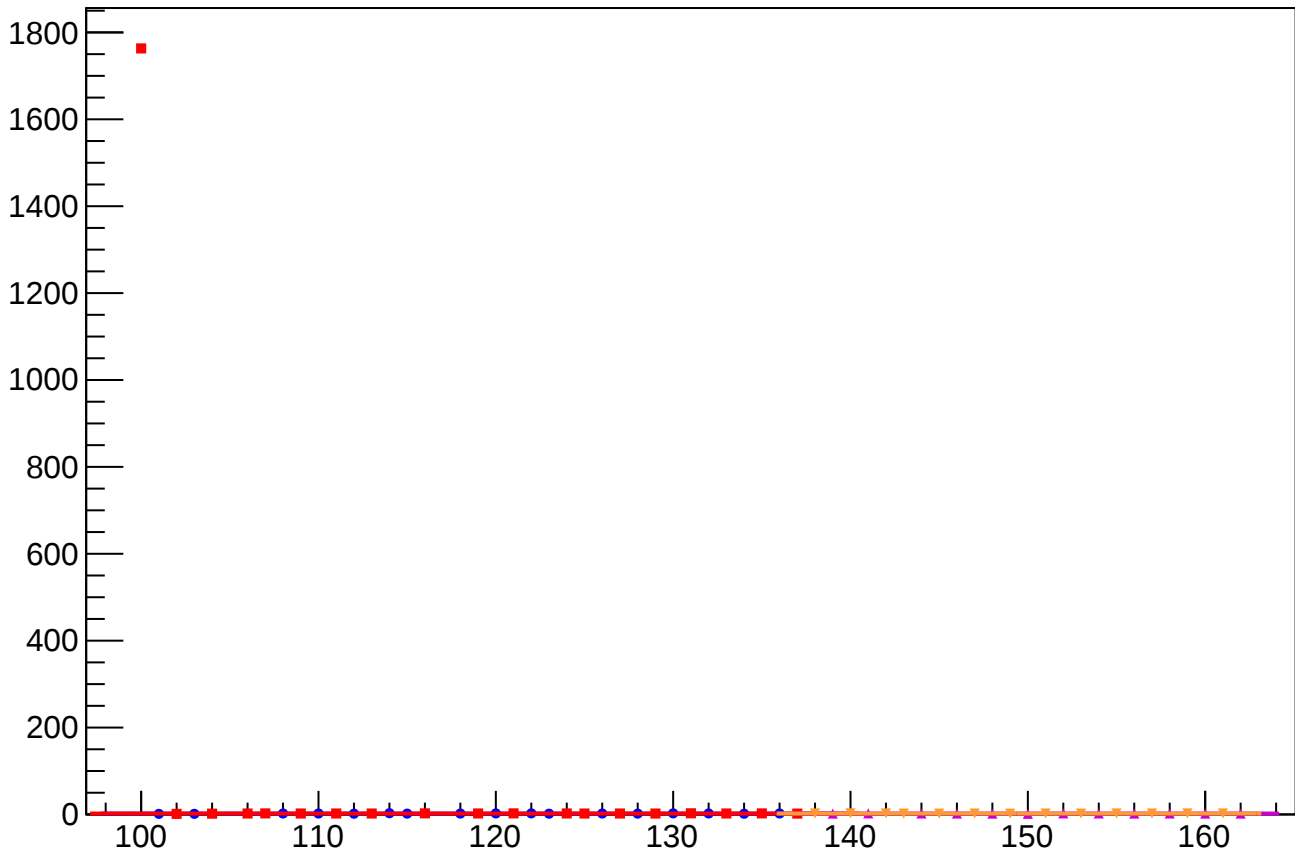
Left In: -0.972 ± 0.742 χ^2/NDF : 8.3/11

+ sign -0.034 ± 0.551 χ^2/NDF : 33.4/29

All: -0.151 ± 0.393 χ^2/NDF : 57.5/60

- sign -0.271 ± 0.559 χ^2/NDF : 24.0/30

asym_dsr_correction_rms vs Slug



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

Left Out: 2.151 $\pm$ 0.001 χ^2 /NDF: 172569.7/12

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

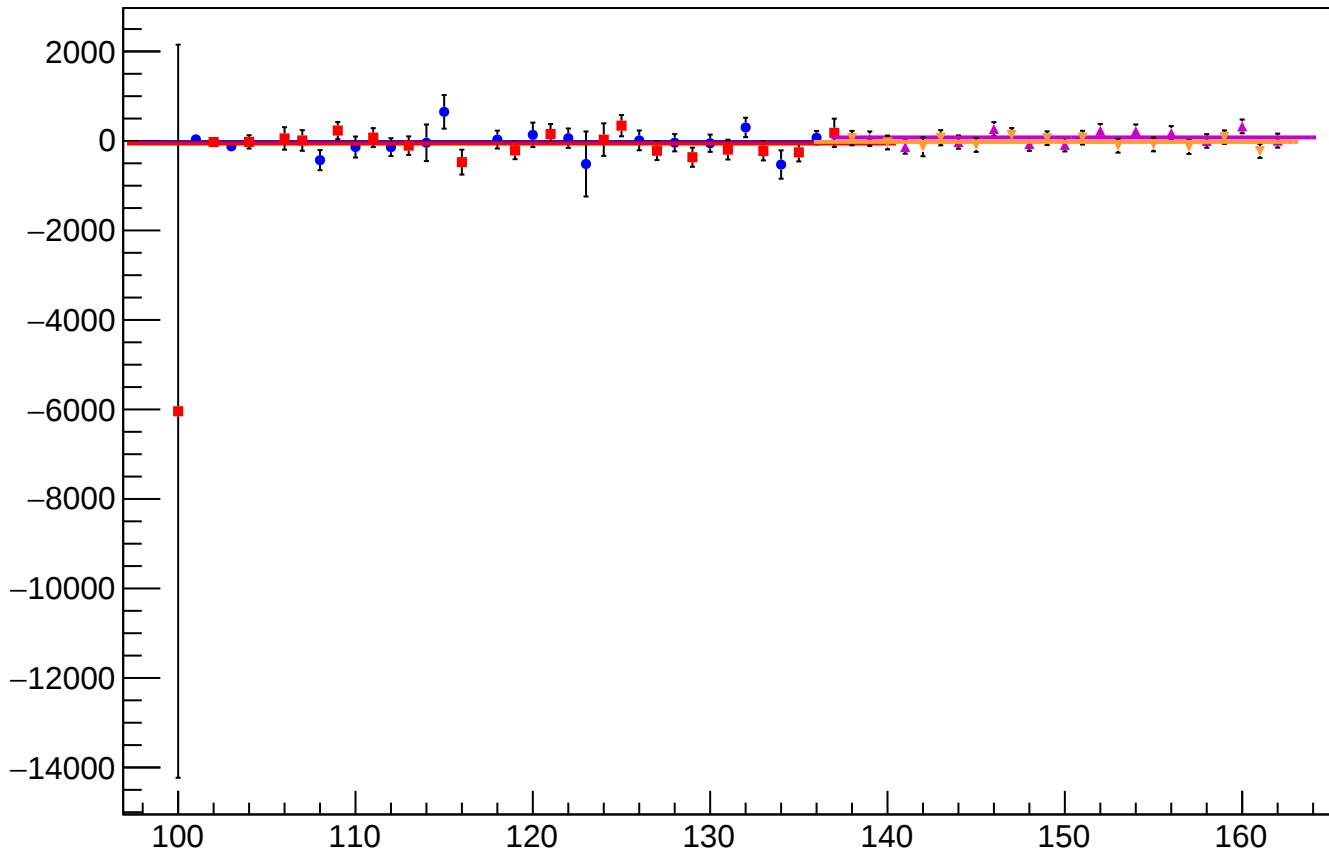
Left In: 2.082 $\pm$ 0.001 χ^2 /NDF: 272355.4/11

+ sign 2.021 $\pm$ 0.000 χ^2 /NDF: 796217.4/29

All: 2.048 $\pm$ 0.000 χ^2 /NDF: 1604025.8/60

- sign 2.075 $\pm$ 0.000 χ^2 /NDF: 798321.2/30

asym_dsr_mean vs Slug



Right In: -26.258 $\pm$ 46.789 χ^2 /NDF: 14.4/16

Left Out: -21.282 $\pm$ 44.126 χ^2 /NDF: 5.9/12

Right Out: -57.268 $\pm$ 47.722 χ^2 /NDF: 15.5/18

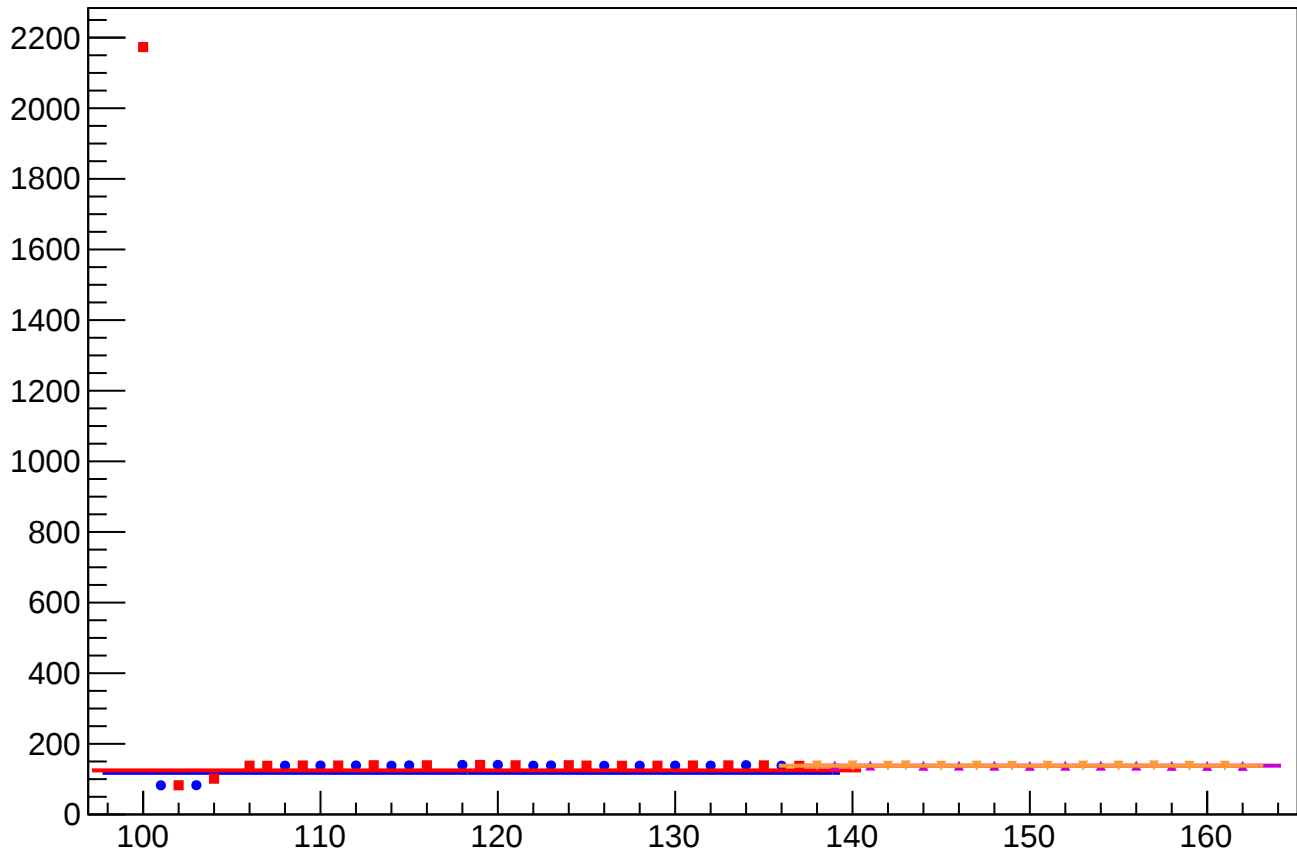
Left In: 78.260 $\pm$ 44.205 χ^2 /NDF: 11.5/11

+ sign -23.624 $\pm$ 32.102 χ^2 /NDF: 20.2/29

All: -4.175 $\pm$ 22.815 χ^2 /NDF: 52.3/60

- sign 15.674 $\pm$ 32.430 χ^2 /NDF: 31.3/30

asym_dsr_rms vs Slug



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

Left Out: 138.056 $\pm$ 0.031 χ^2 /NDF: 170.2/12

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

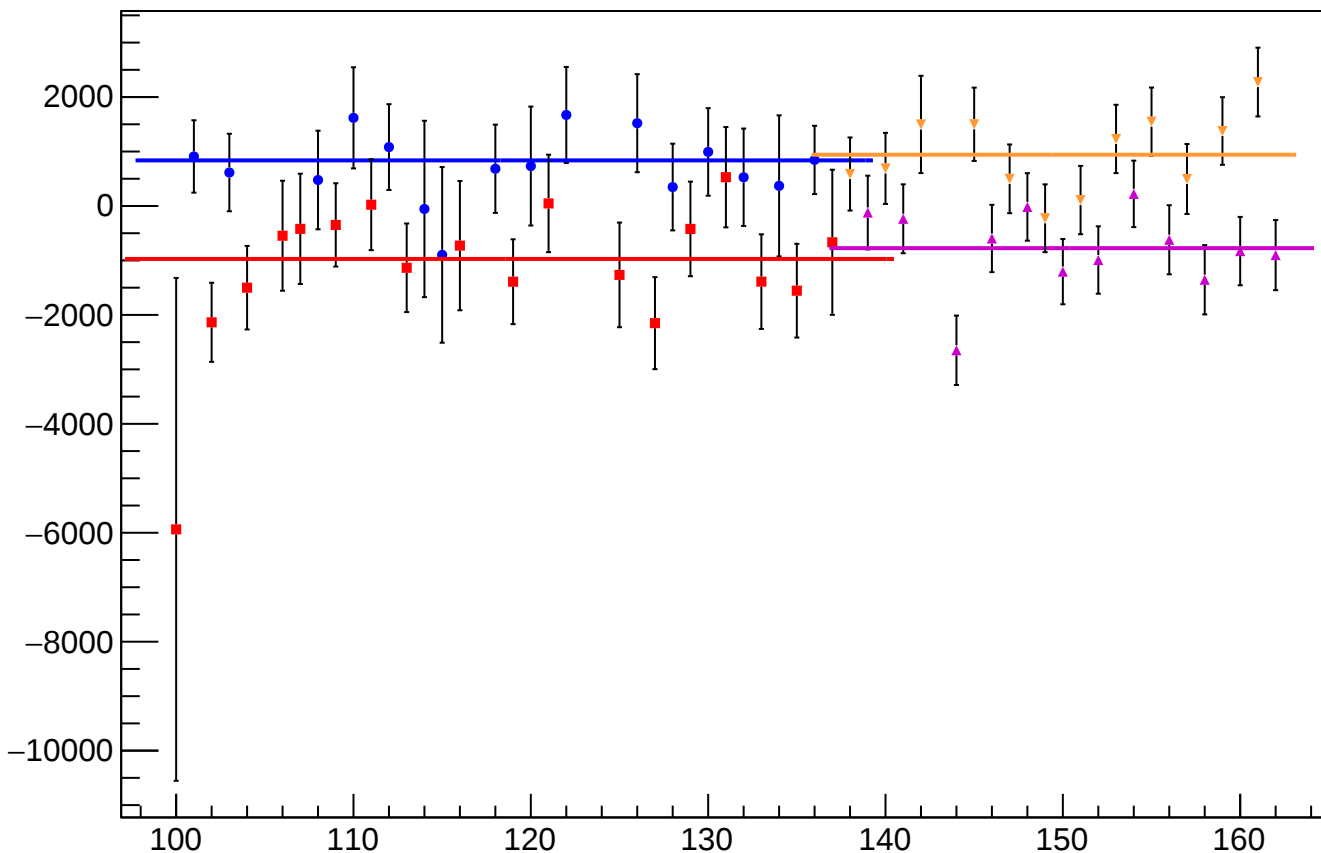
Left In: 138.164 $\pm$ 0.031 χ^2 /NDF: 91.0/11

+ sign 128.543 $\pm$ 0.023 χ^2 /NDF: 864276.9/29

All: 130.239 $\pm$ 0.016 χ^2 /NDF: 1541012.3/60

- sign 131.971 $\pm$ 0.023 χ^2 /NDF: 665452.3/30

reg_asym_left_avg_mean vs Slug



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

Left Out: 941.284 ± 188.044 χ^2/NDF : 13.9/11

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

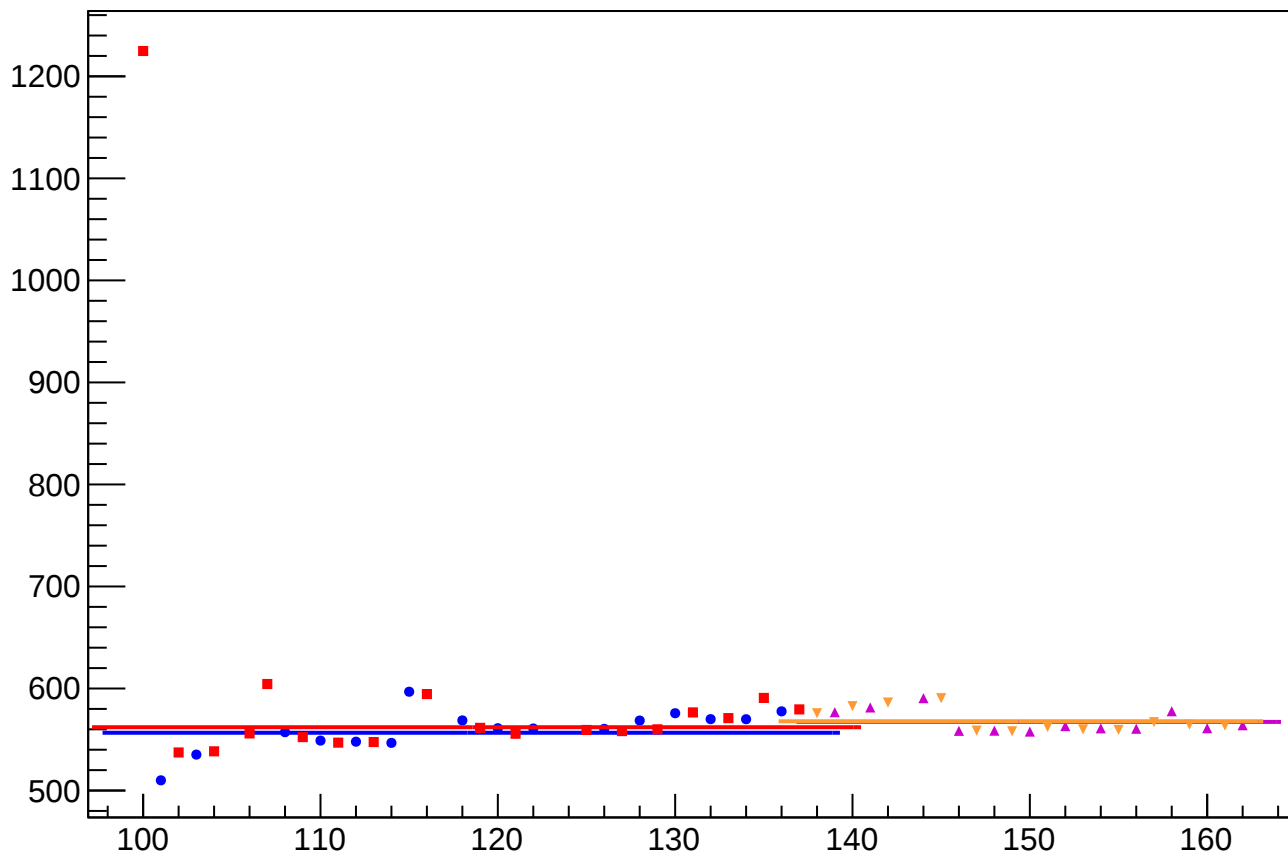
Left In: -774.132 ± 181.513 χ^2/NDF : 16.1/11

+ sign 896.387 ± 141.880 χ^2/NDF : 18.7/27

All: -4.414 ± 98.955 χ^2/NDF : 128.1/57

- sign -857.668 ± 138.084 χ^2/NDF : 30.9/29

reg_asym_left_avg_rms vs Slug



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

Left Out: 567.874 $\pm$ 0.133 χ^2 /NDF: 6329.9/11

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

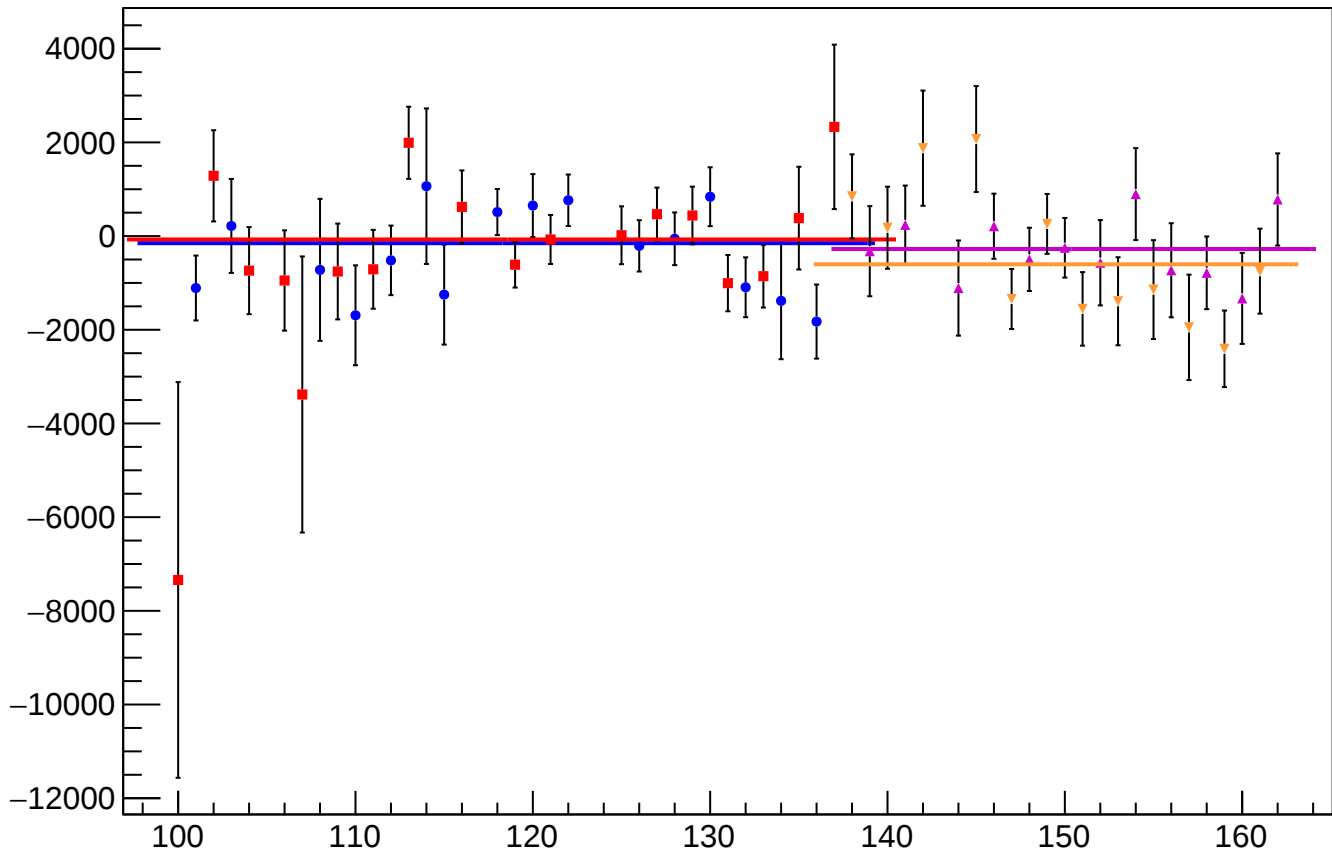
Left In: 567.258 $\pm$ 0.128 χ^2 /NDF: 6663.3/11

+ sign 563.034 $\pm$ 0.100 χ^2 /NDF: 27797.9/27

All: 564.076 $\pm$ 0.070 χ^2 /NDF: 90940.6/57

- sign 565.063 $\pm$ 0.098 χ^2 /NDF: 62932.7/29

asym_left_avg_correction_mean vs Slug



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

Left Out: -602.666+/-249.800 χ^2/NDF : 25.0/11

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

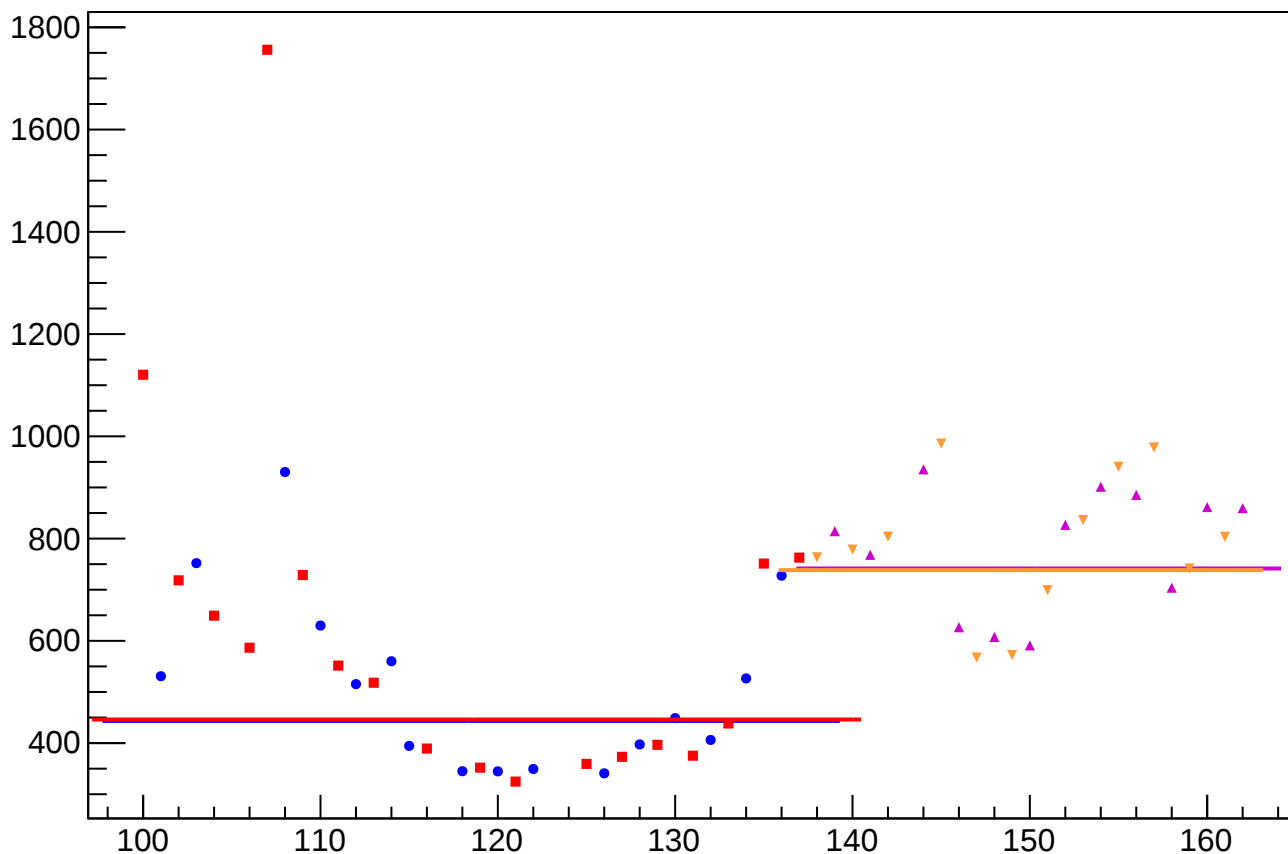
Left In: -275.717+/-241.230 χ^2/NDF : 6.1/11

+ sign -306.031+/-146.078 χ^2/NDF : 49.4/27

All: -223.620+/-102.396 χ^2/NDF : 81.7/57

- sign -144.009+/-143.575 χ^2/NDF : 31.6/29

asym_left_avg_correction_rms vs Slug



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

Left Out: 738.319+/-0.177 χ^2/NDF : 585709.5/11

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

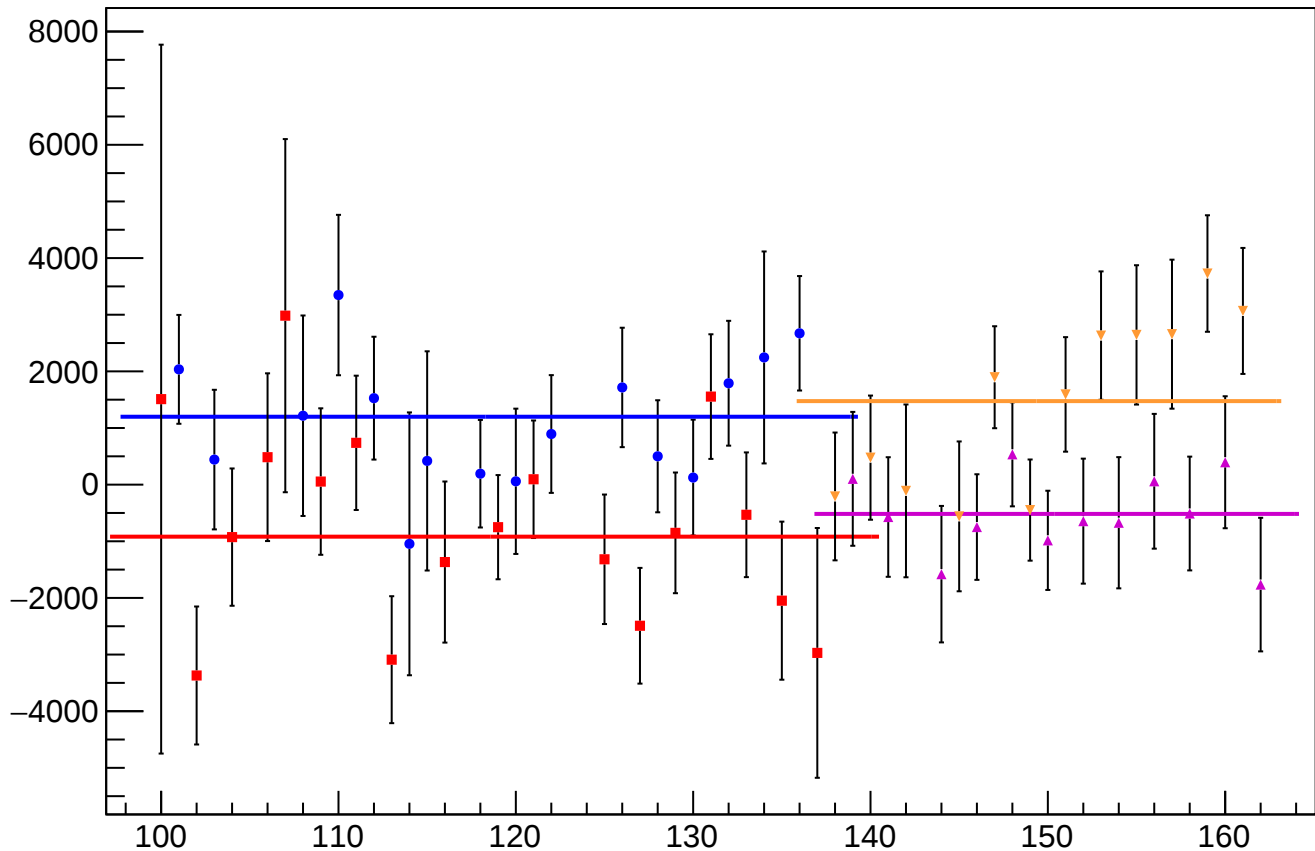
Left In: 741.555+/-0.171 χ^2/NDF : 507226.4/11

+ sign 544.286+/-0.103 χ^2/NDF : 3480430.8/27

All: 547.595+/-0.072 χ^2/NDF : 7386474.1/57

- sign 550.791+/-0.102 χ^2/NDF : 3904025.9/29

asym_left_avg_mean vs Slug



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

Left Out: 1474.674 $\pm$ 318.519 χ^2 /NDF:21.0/11

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

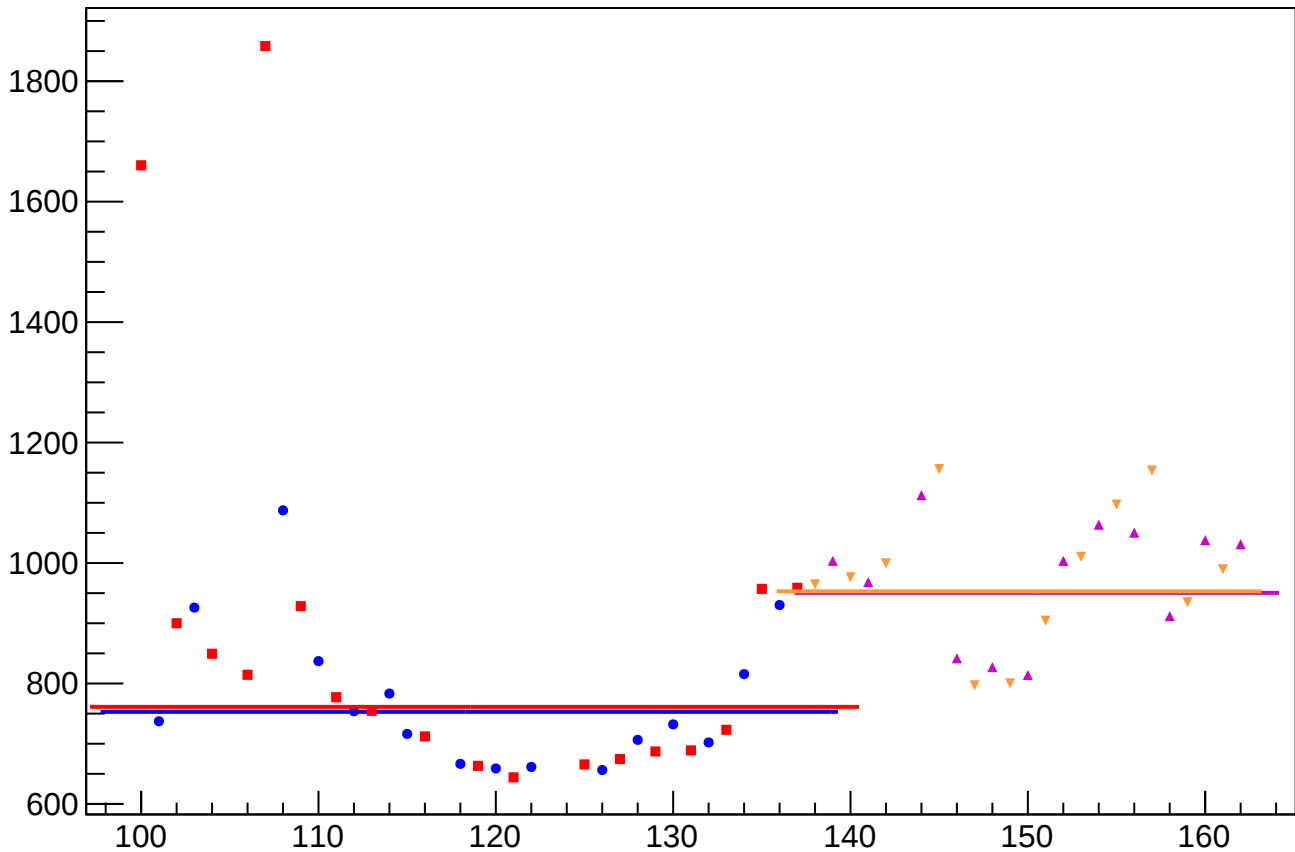
Left In: -516.720 $\pm$ 306.245 χ^2 /NDF:4.7/11

+ sign 1326.382 $\pm$ 216.530 χ^2 /NDF: 32.6/27

All: 277.509 $\pm$ 151.417 χ^2 /NDF: 107.3/57

- sign -726.239 $\pm$ 211.821 χ^2 /NDF: 28.8/29

asym_left_avg_rms vs Slug



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

Left Out: 953.056 $\pm$ 0.225 χ^2 /NDF: 255300.4/11

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

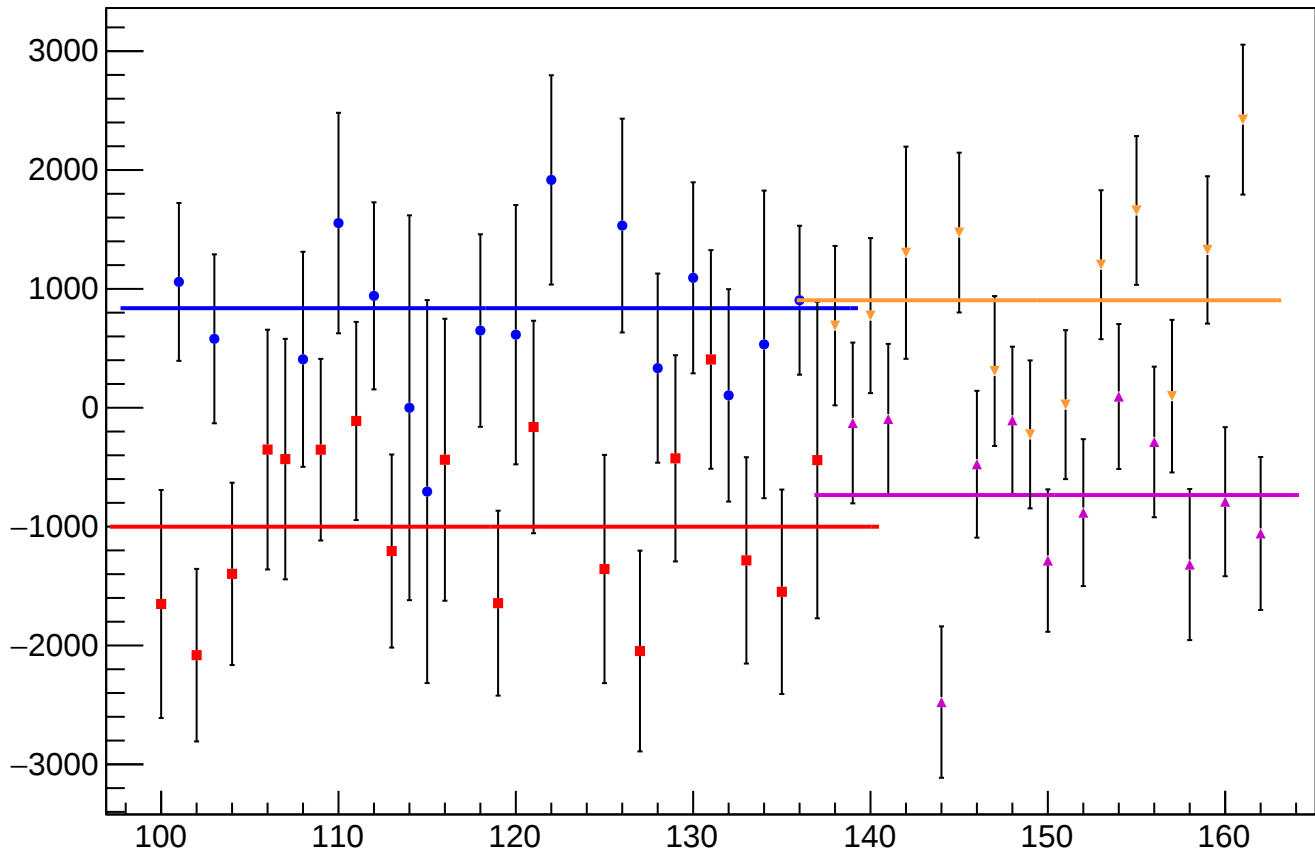
Left In: 950.469 $\pm$ 0.217 χ^2 /NDF: 214080.7/11

+ sign 845.419 $\pm$ 0.153 χ^2 /NDF: 932458.5/27

All: 848.642 $\pm$ 0.107 χ^2 /NDF: 2063166.0/57

- sign 851.727 $\pm$ 0.150 χ^2 /NDF: 1129840.1/29

reg_asym_left_dd_mean vs Slug



Right In: 837.557 ± 216.015 $\chi^2/\text{NDF}: 5.7/15$

Left Out: 904.187 ± 187.881 $\chi^2/\text{NDF}: 16.7/11$

Right Out: -1000.617 ± 207.748 $\chi^2/\text{NDF}: 12.5/17$

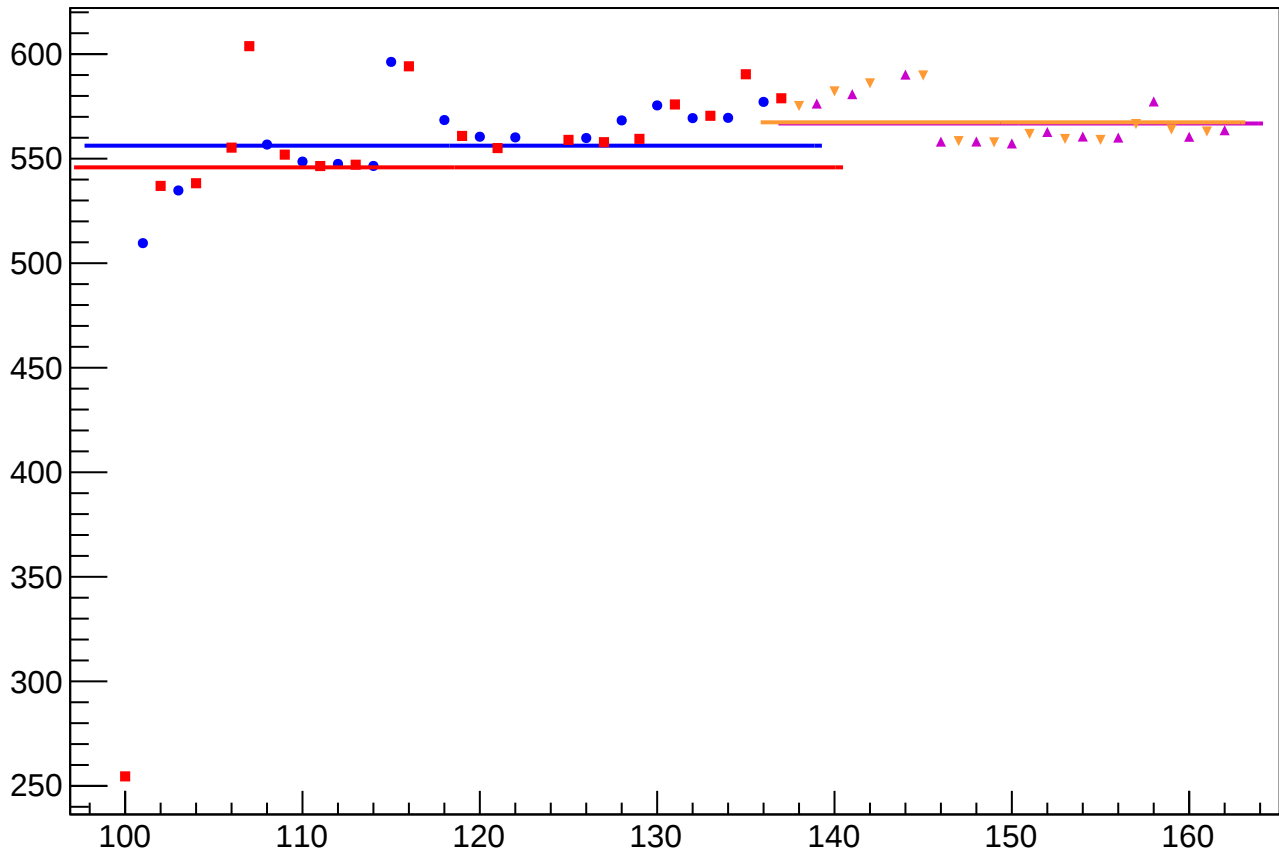
Left In: -734.380 ± 181.373 $\chi^2/\text{NDF}: 14.9/11$

+ sign 875.491 ± 141.763 $\chi^2/\text{NDF}: 22.5/27$

All: -18.819 ± 98.376 $\chi^2/\text{NDF}: 127.6/57$

- sign -849.536 ± 136.630 $\chi^2/\text{NDF}: 28.3/29$

reg_asym_left_dd_rms vs Slug



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

Left Out: 567.382 $\pm$ 0.133 χ^2 /NDF: 6276.3/11

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

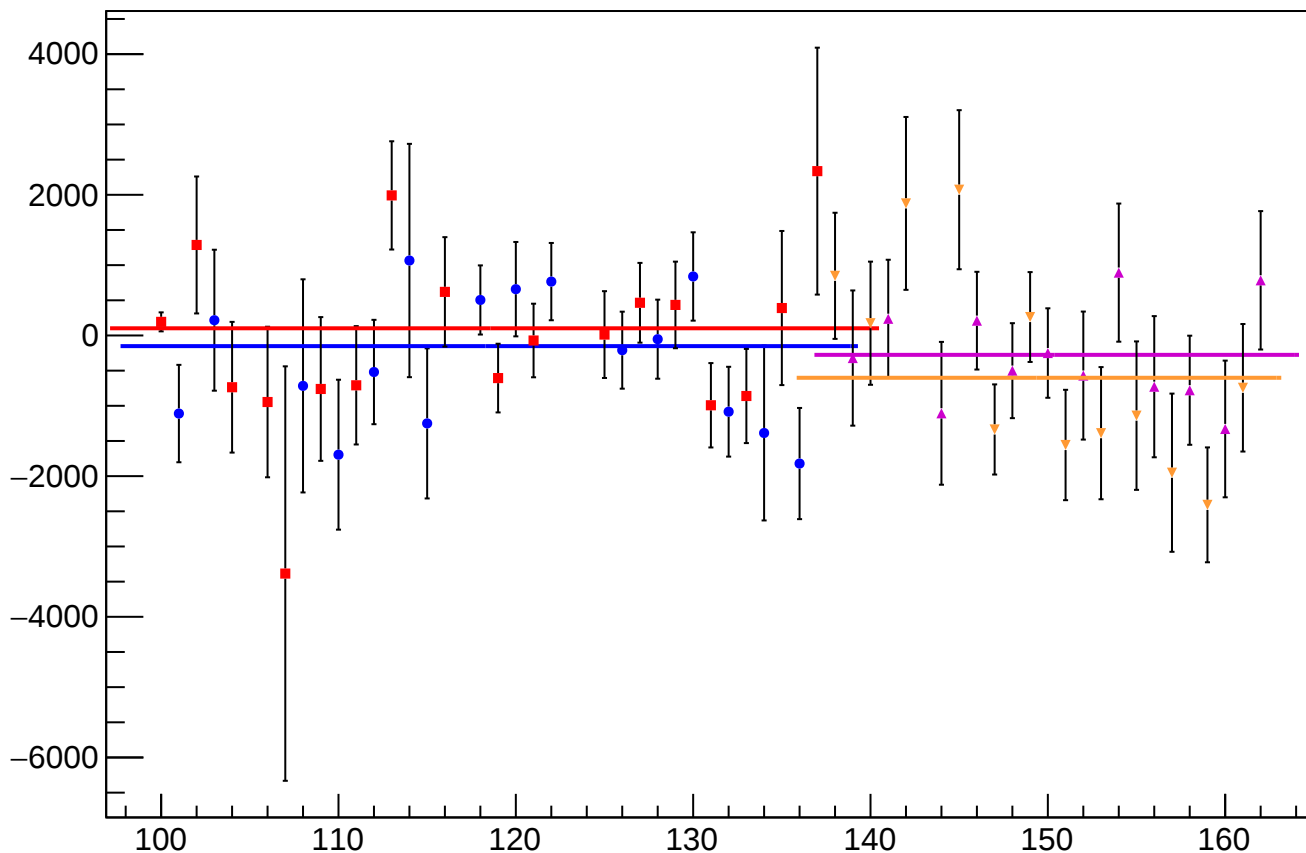
Left In: 566.821 $\pm$ 0.128 χ^2 /NDF: 6692.5/11

+ sign 562.570 $\pm$ 0.100 χ^2 /NDF: 27739.0/27

All: 560.070 $\pm$ 0.070 χ^2 /NDF: 254842.2/57

- sign 557.748 $\pm$ 0.097 χ^2 /NDF: 225903.3/29

asym_left_dd_correction_mean vs Slug



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

Left Out: -601.582+/-249.684 χ^2/NDF : 25.0/11

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

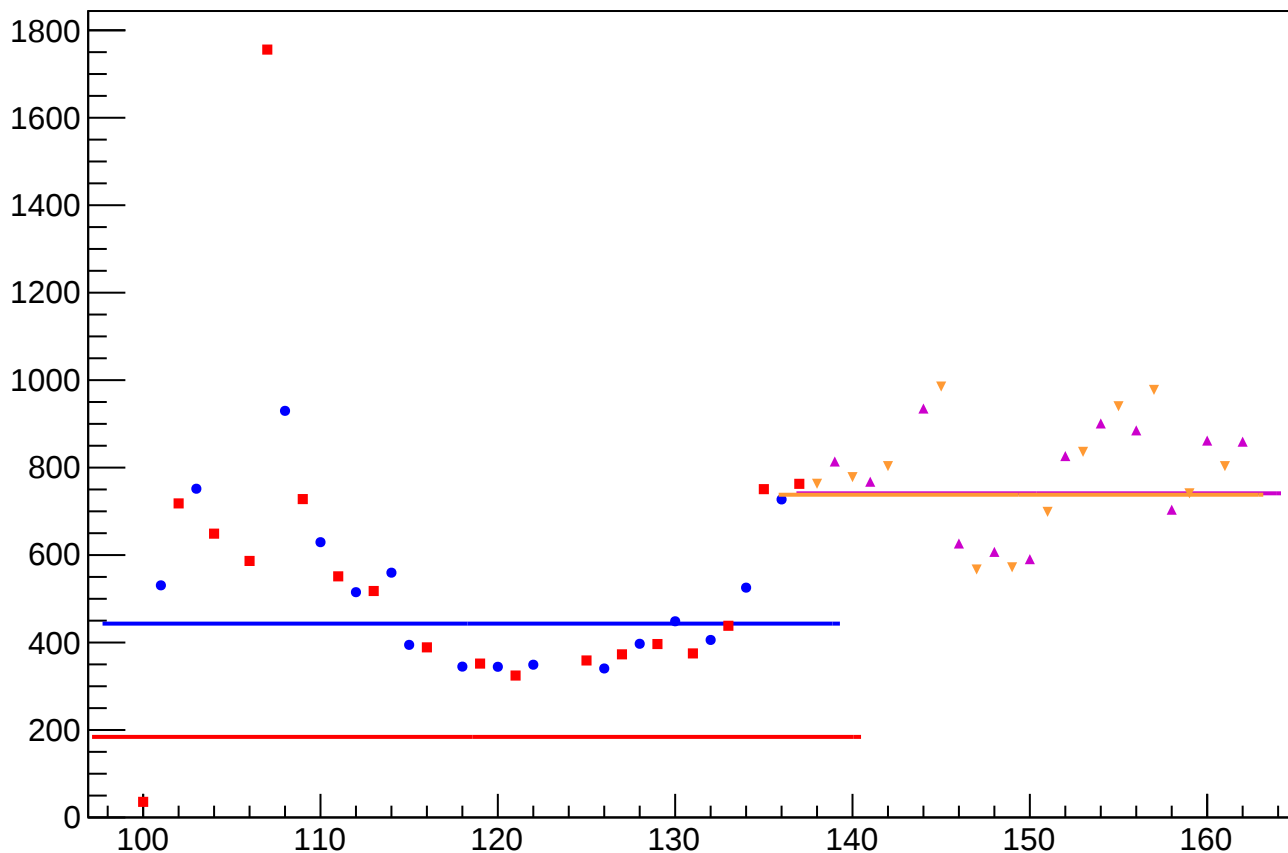
Left In: -275.546+/-241.114 χ^2/NDF : 6.1/11

+ sign -305.381+/-146.008 χ^2/NDF : 49.4/27

All: -68.293+/-81.566 χ^2/NDF : 84.7/57

- sign 39.261+/-98.341 χ^2/NDF : 31.4/29

asym_left_dd_correction_rms vs Slug



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

Left Out: 737.975+/-0.177 χ^2/NDF : 586066.0/11

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

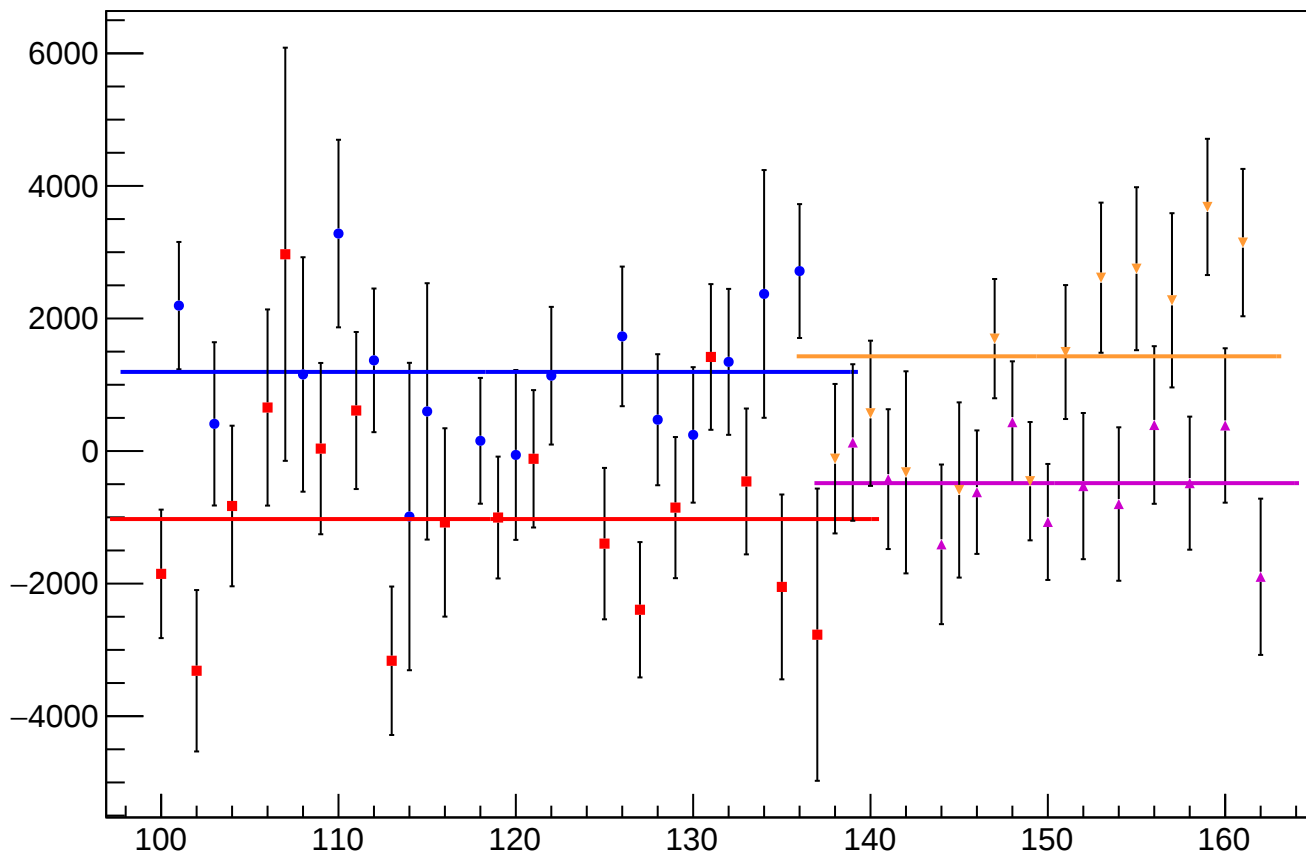
Left In: 741.197+/-0.170 χ^2/NDF : 507480.7/11

+ sign 544.027+/-0.103 χ^2/NDF : 3480707.2/27

All: 360.243+/-0.058 χ^2/NDF : 25571359.4/57

- sign 276.870+/-0.070 χ^2/NDF : 17484372.5/29

asym_left_dd_mean vs Slug



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

Left Out: 1429.228 $\pm$ 318.331 χ^2 /NDF:20.5/11

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

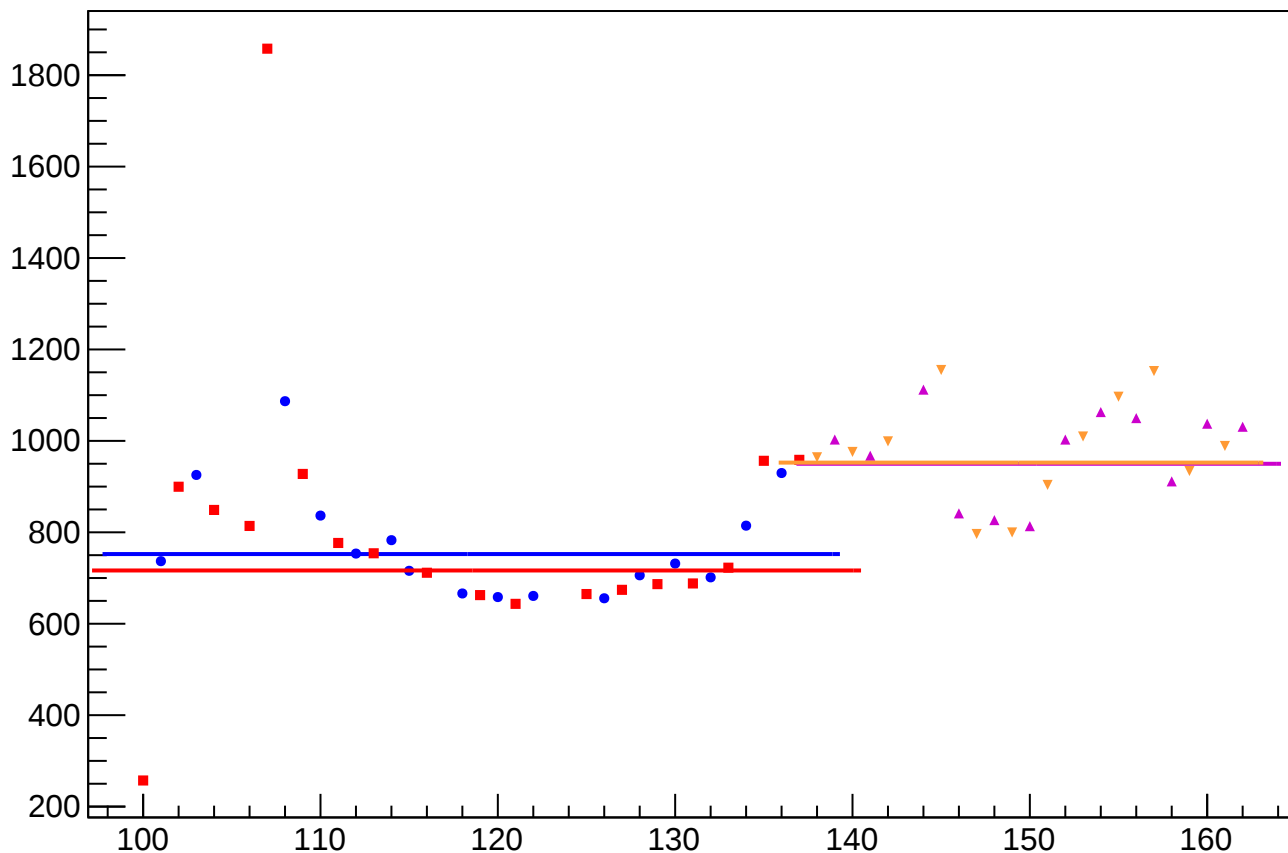
Left In: -484.211 $\pm$ 306.066 χ^2 /NDF:4.9/11

+ sign 1302.616 $\pm$ 216.393 χ^2 /NDF: 32.0/27

All: 215.548 $\pm$ 149.552 χ^2 /NDF: 109.5/57

- sign -778.438 $\pm$ 206.921 χ^2 /NDF: 29.2/29

asym_left_dd_rms vs Slug



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

Left Out: 952.496+/-0.225 χ^2/NDF : 255229.5/11

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

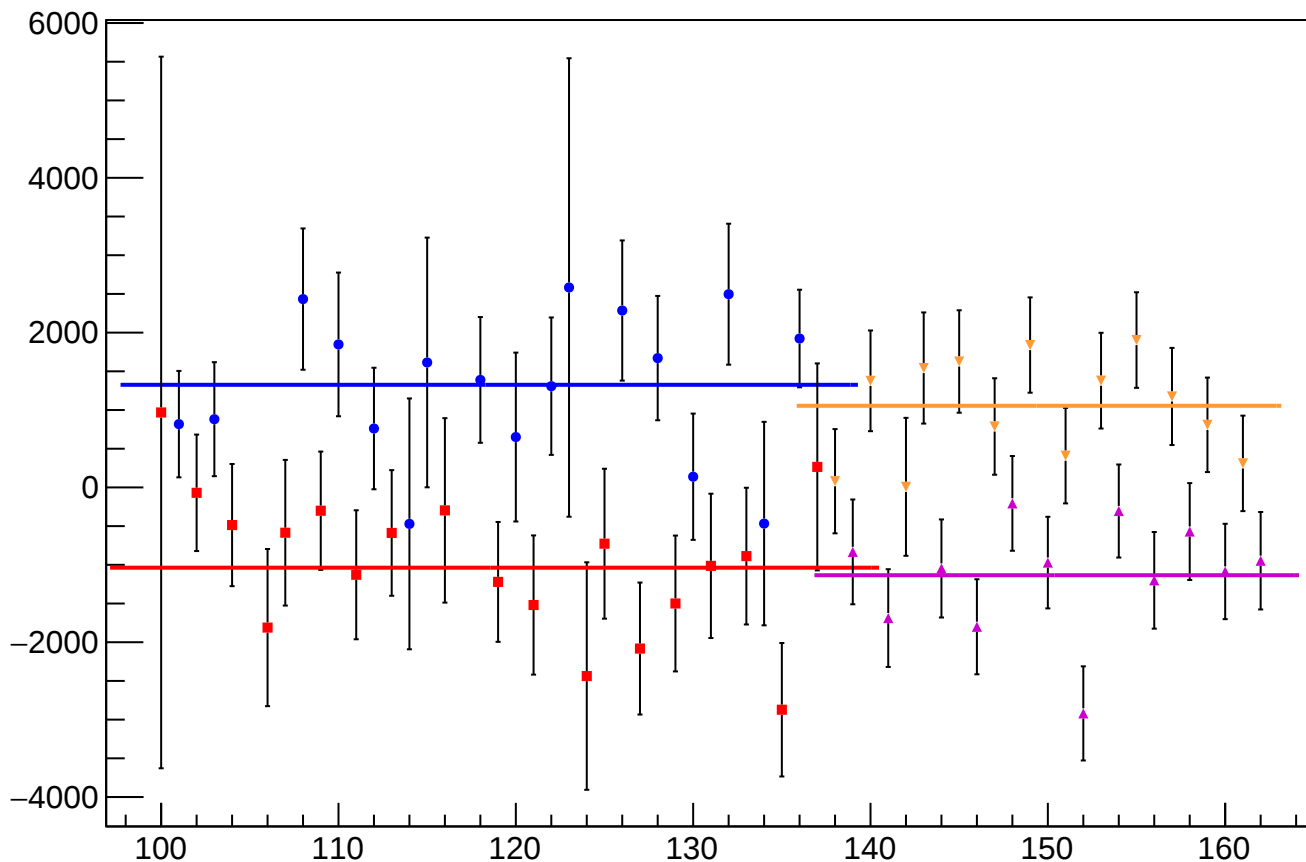
Left In: 949.909+/-0.216 χ^2/NDF : 214232.8/11

+ sign 844.878+/-0.153 χ^2/NDF : 932878.1/27

All: 833.552+/-0.106 χ^2/NDF : 2755925.2/57

- sign 823.195+/-0.146 χ^2/NDF : 1812557.5/29

reg_asym_right_avg_mean vs Slug



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

Left Out: 1054.796 $\pm$ 179.661 χ^2 /NDF:11.7/12

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

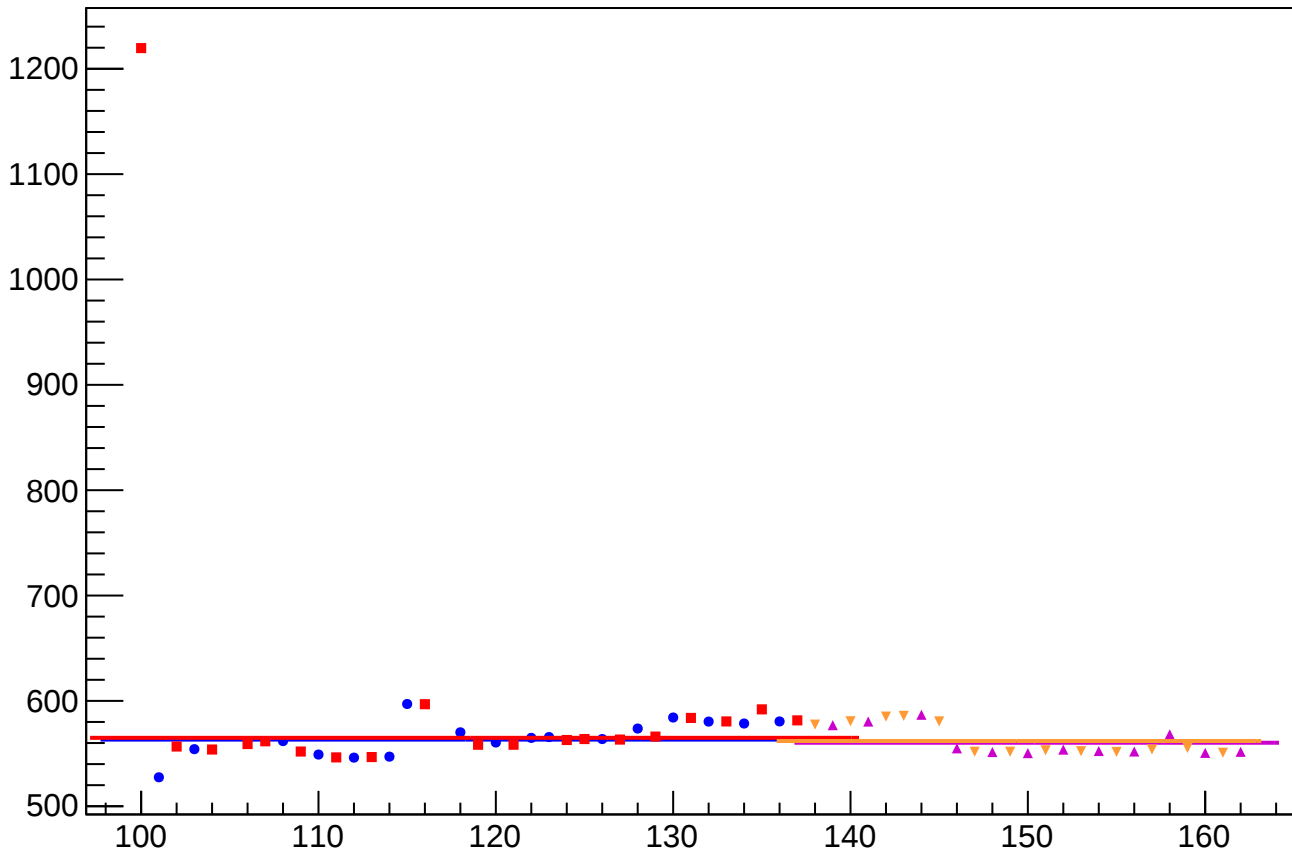
Left In: -1134.206 $\pm$ 179.293 χ^2 /NDF:16.0/11

+ sign 1164.337 $\pm$ 138.672 χ^2 /NDF: 25.5/29

All: 19.919 $\pm$ 97.382 χ^2 /NDF: 189.4/60

- sign -1093.590 $\pm$ 136.786 χ^2 /NDF: 29.5/30

reg_asym_right_avg_rms vs Slug



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

Left Out: 561.932 ± 0.127 χ^2/NDF : 11624.4/12

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

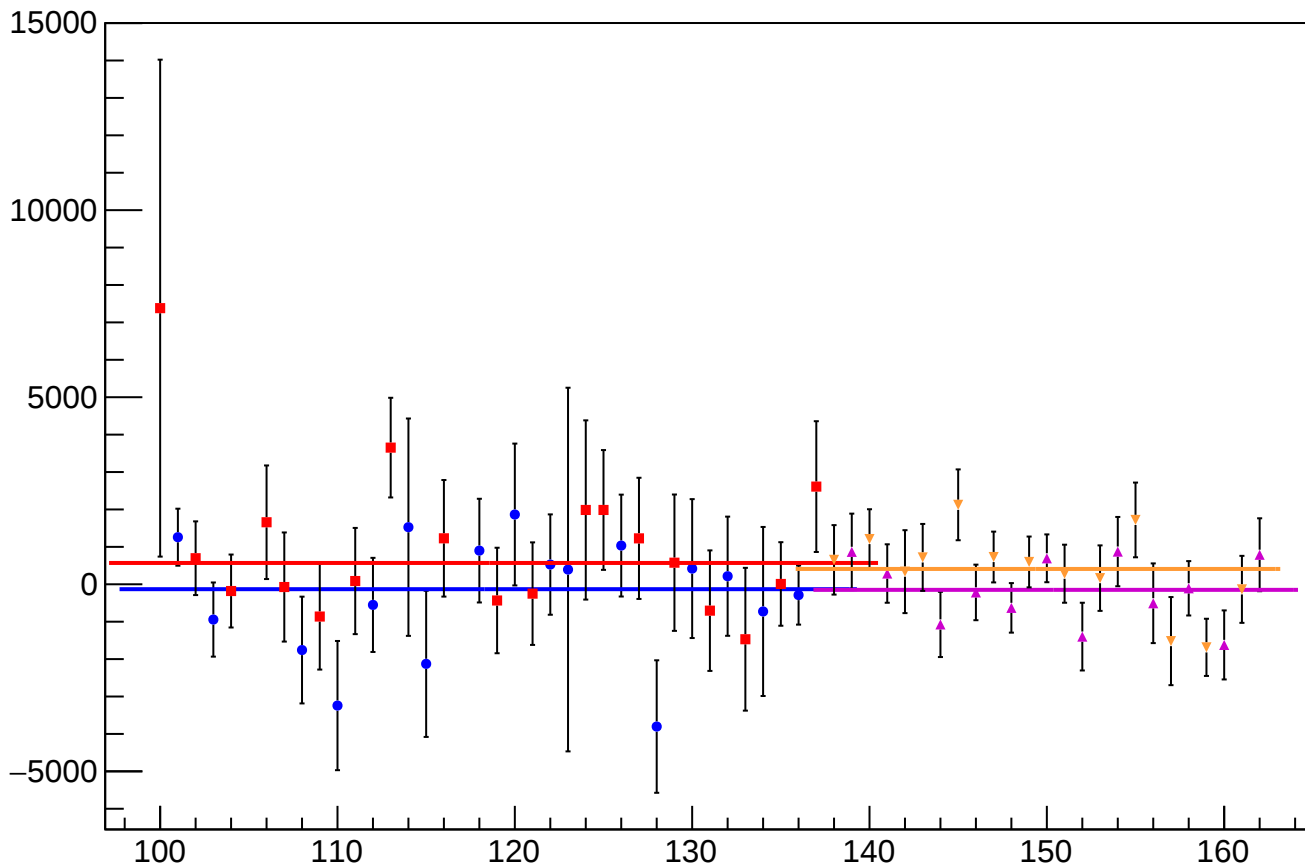
Left In: 560.271 ± 0.127 χ^2/NDF : 9991.7/11

+ sign 562.471 ± 0.098 χ^2/NDF : 24189.3/29

All: 562.346 ± 0.069 χ^2/NDF : 84047.8/60

- sign 562.224 ± 0.097 χ^2/NDF : 59855.3/30

asym_right_avg_correction_mean vs Slug



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

Left Out: 409.746 ± 236.340 χ^2/NDF : 17.2/12

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

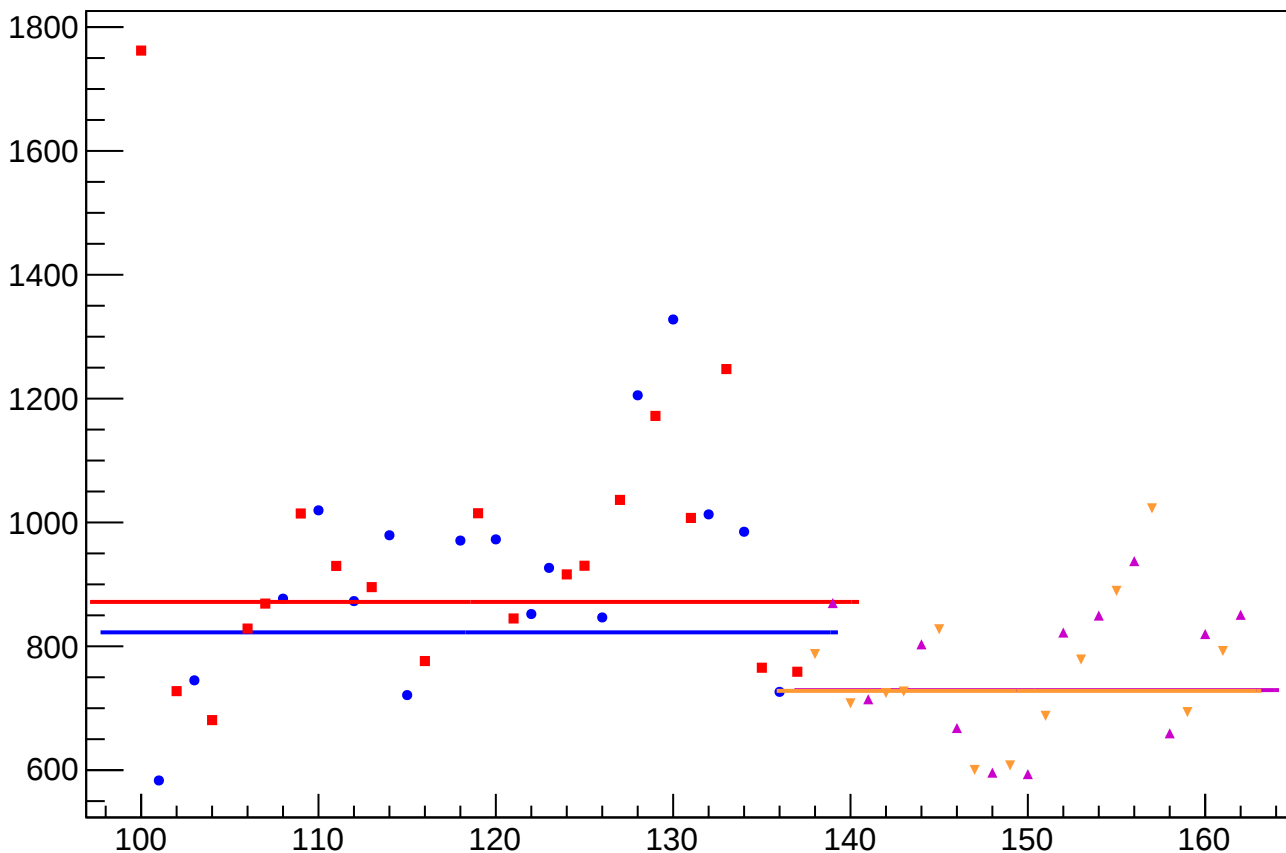
Left In: -148.895 ± 236.749 χ^2/NDF : 11.4/11

+ sign 224.604 ± 191.665 χ^2/NDF : 36.2/29

All: 159.202 ± 135.940 χ^2/NDF : 65.5/60

- sign 92.997 ± 192.838 χ^2/NDF : 29.1/30

asym_right_avg_correction_rms vs Slug



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

Left Out: 728.069+/-0.167 χ^2/NDF : 369383.4/12

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

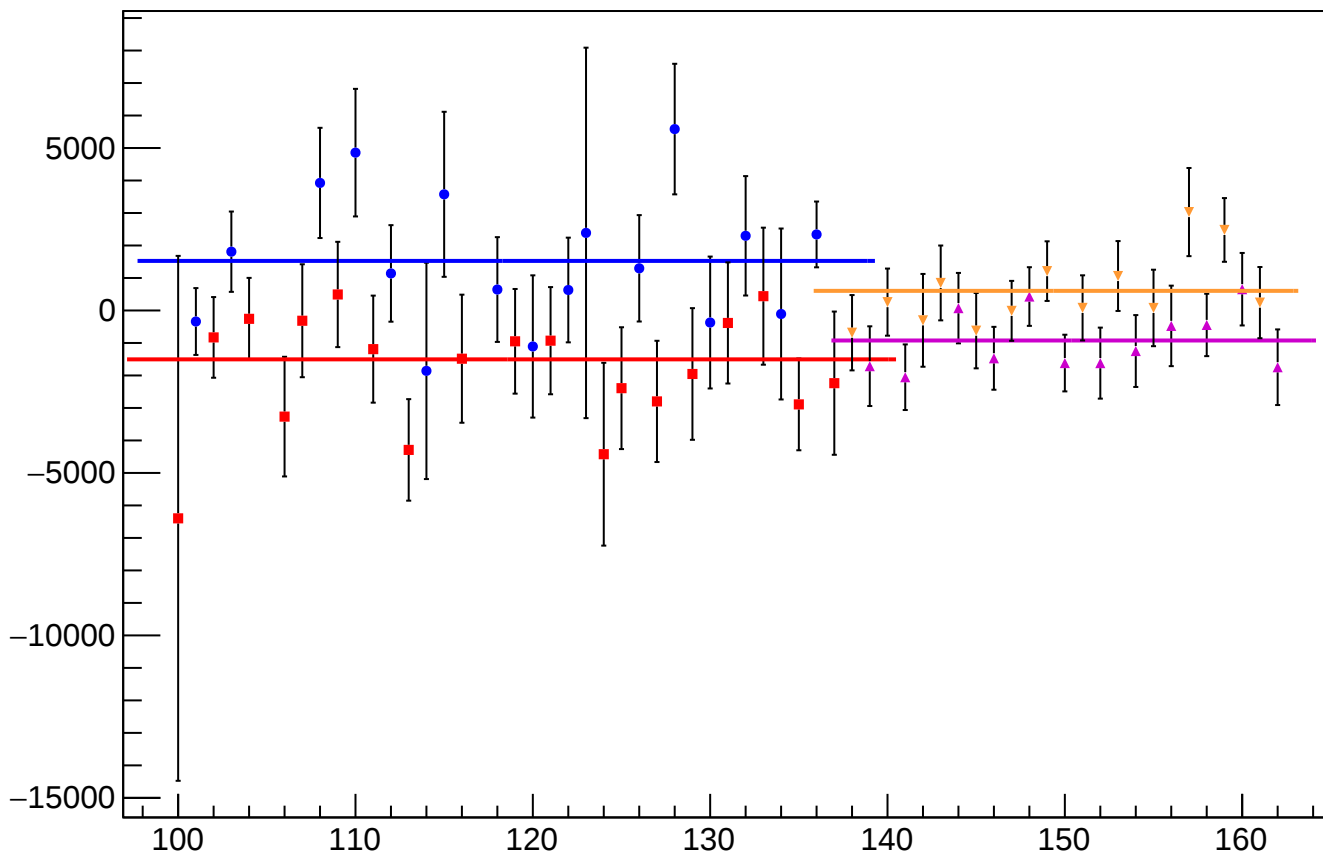
Left In: 729.274+/-0.167 χ^2/NDF : 437855.7/11

+ sign 760.404+/-0.136 χ^2/NDF : 1079701.8/29

All: 768.751+/-0.096 χ^2/NDF : 2175580.3/60

- sign 777.200+/-0.136 χ^2/NDF : 1088245.3/30

asym_right_avg_mean vs Slug



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

Left Out: 603.868 $\pm$ 301.073 χ^2 /NDF: 11.4/12

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

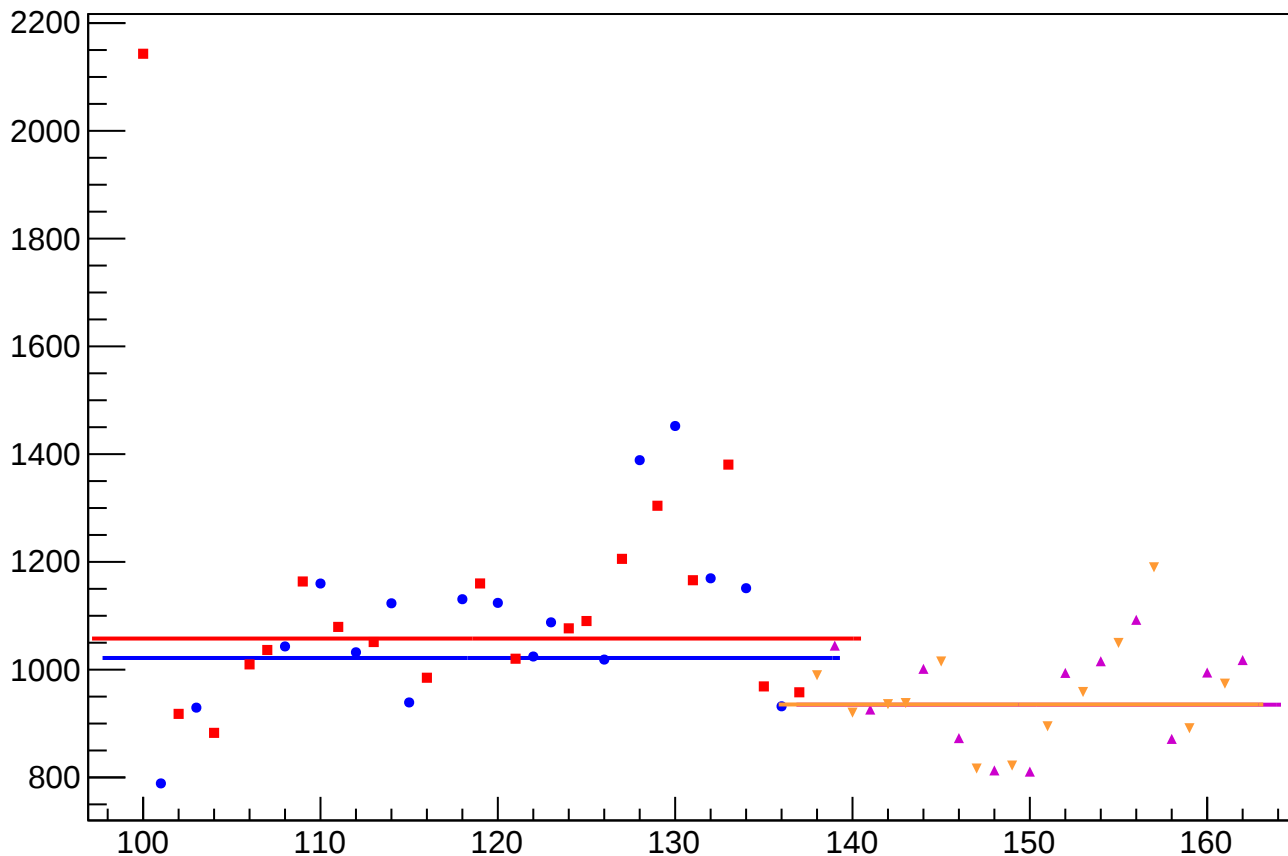
Left In: -923.679 $\pm$ 300.952 χ^2 /NDF: 9.1/11

+ sign 935.271 $\pm$ 240.935 χ^2 /NDF: 33.0/29

All: -101.143 $\pm$ 170.204 χ^2 /NDF: 92.5/60

- sign -1133.621 $\pm$ 240.477 χ^2 /NDF: 22.6/30

asym_right_avg_rms vs Slug



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

Left Out: 935.401+/-0.213 χ^2/NDF :178048.5/12

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

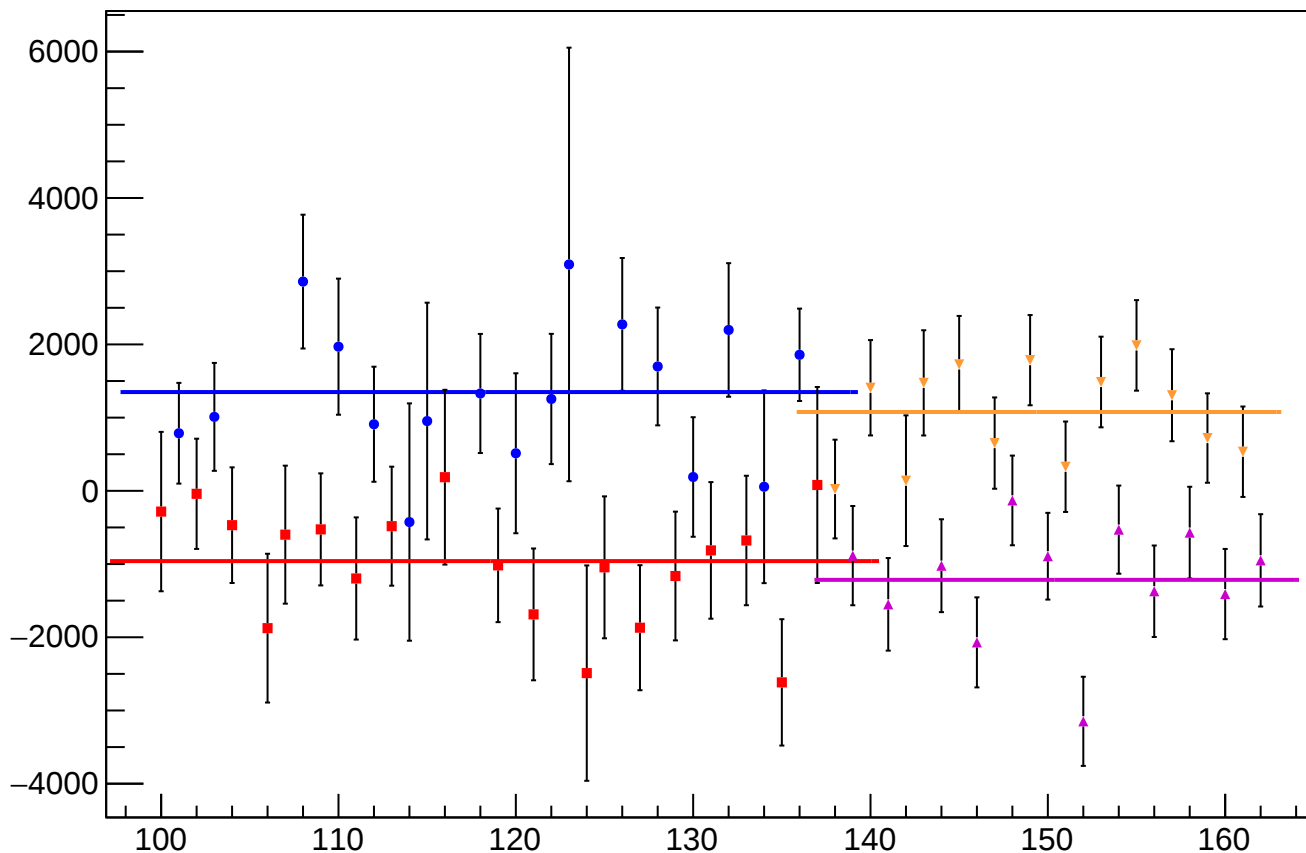
Left In: 934.984+/-0.213 χ^2/NDF :182390.9/11

+ sign 966.421+/-0.170 χ^2/NDF : 569038.8/29

All: 972.905+/-0.120 χ^2/NDF : 1105575.0/60

- sign 979.365+/-0.170 χ^2/NDF : 533644.3/30

reg_asym_right_dd_mean vs Slug



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

Left Out: 1076.928 $\pm$ 179.844 χ^2 /NDF:12.2/12

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

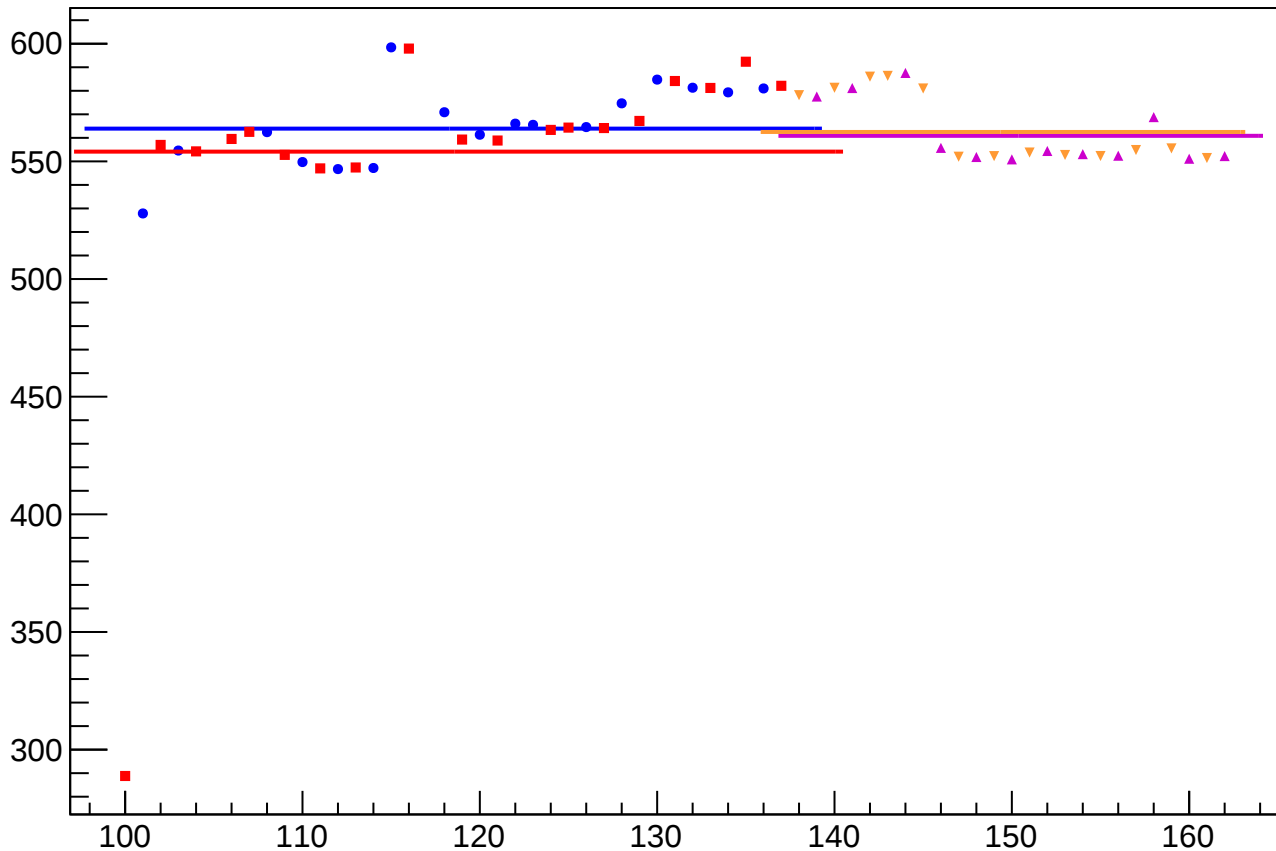
Left In: -1215.665 $\pm$ 179.483 χ^2 /NDF:18.7/11

+ sign 1186.954 $\pm$ 138.822 χ^2 /NDF: 25.4/29

All: 16.102 $\pm$ 97.122 χ^2 /NDF: 196.6/60

- sign -1106.417 $\pm$ 135.926 χ^2 /NDF: 31.9/30

reg_asym_right_dd_rms vs Slug



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

Left Out: 562.503 $\pm$ 0.127 χ^2 /NDF: 11657.4/12

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

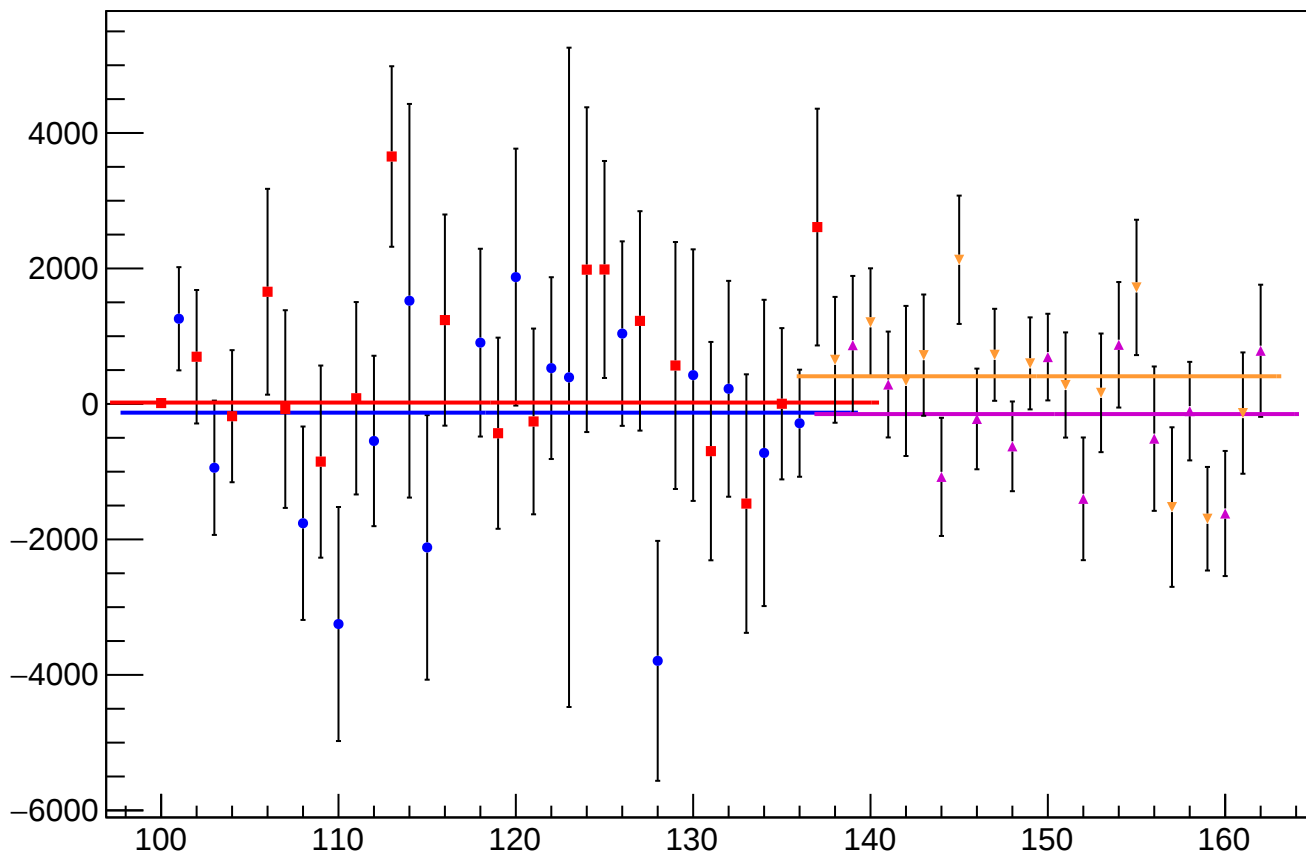
Left In: 560.865 $\pm$ 0.127 χ^2 /NDF: 10087.9/11

+ sign 563.077 $\pm$ 0.098 χ^2 /NDF: 24370.9/29

All: 560.484 $\pm$ 0.069 χ^2 /NDF: 168985.7/60

- sign 557.999 $\pm$ 0.096 χ^2 /NDF: 143248.9/30

asym_right_dd_correction_mean vs Slug



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

Left Out: 408.419 ± 236.423 $\chi^2/\text{NDF}: 17.2/12$

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

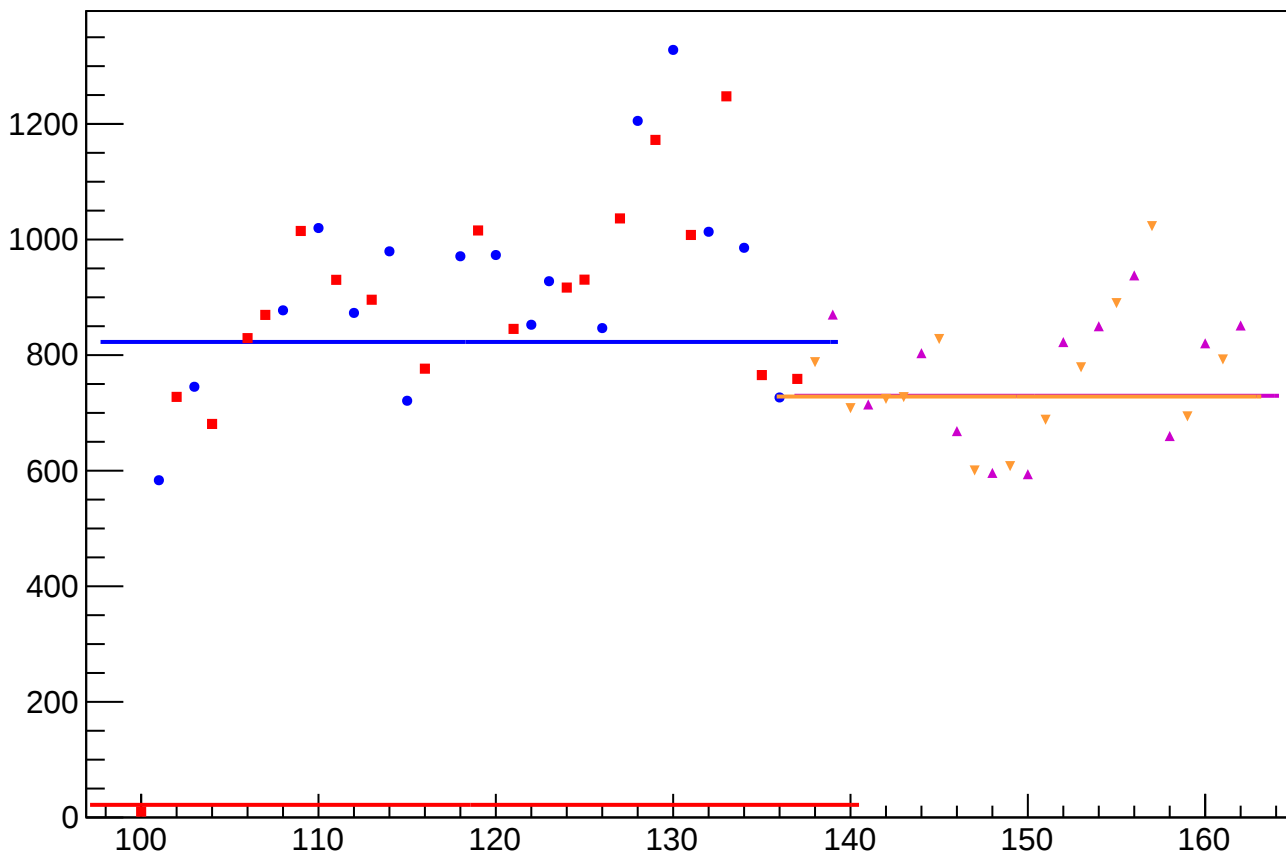
Left In: -149.575 ± 236.863 $\chi^2/\text{NDF}: 11.4/11$

+ sign 224.533 ± 191.730 $\chi^2/\text{NDF}: 36.2/29$

All: 23.969 ± 37.688 $\chi^2/\text{NDF}: 65.3/60$

- sign 15.908 ± 38.438 $\chi^2/\text{NDF}: 28.0/30$

asym_right_dd_correction_rms vs Slug



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

Left Out: 728.317+/-0.167 χ^2/NDF : 369426.9/12

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

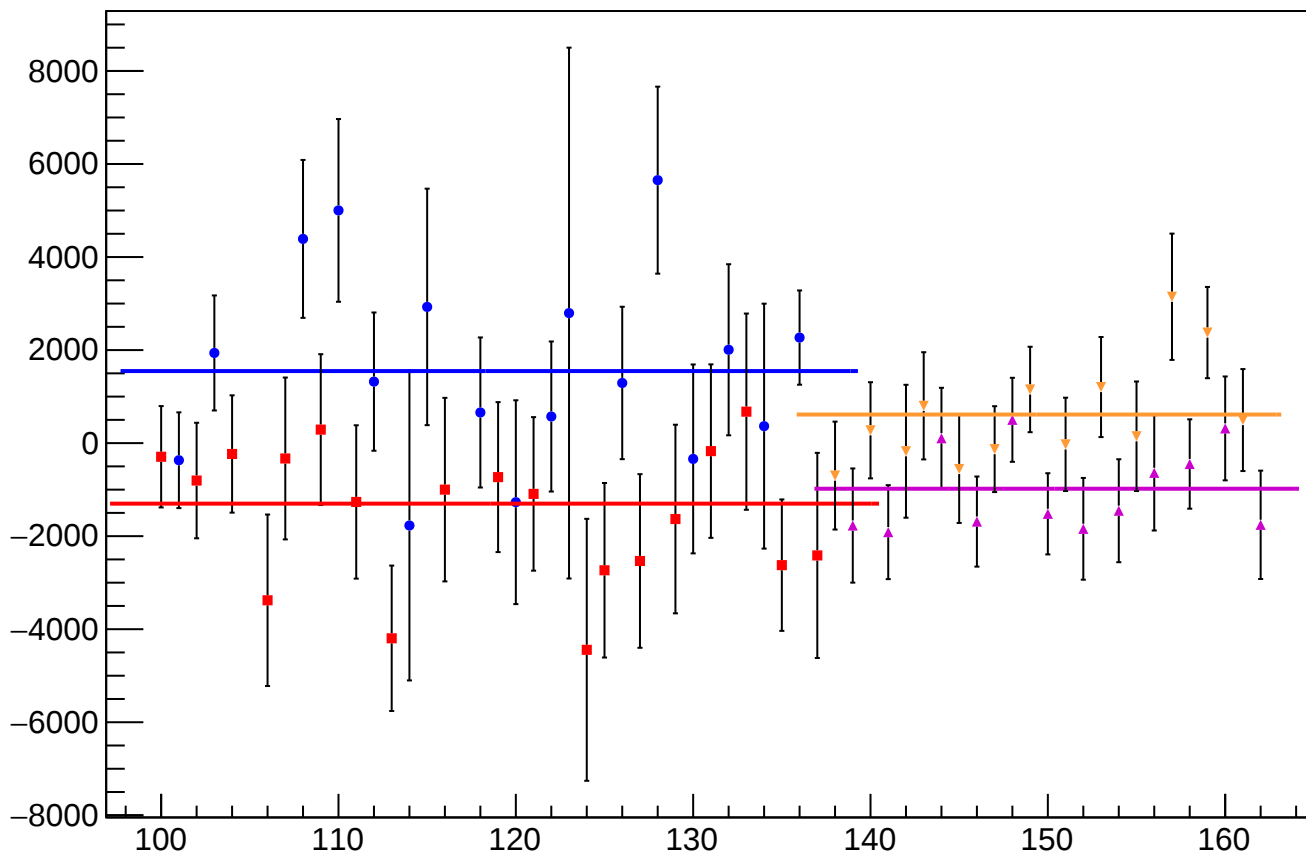
Left In: 729.632+/-0.167 χ^2/NDF : 437576.4/11

+ sign 760.656+/-0.136 χ^2/NDF : 1079603.3/29

All: 68.280+/-0.027 χ^2/NDF : 59560268.1/60

- sign 40.452+/-0.027 χ^2/NDF : 31350850.4/30

asym_right_dd_mean vs Slug



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

Left Out: 614.488 $\pm$ 301.245 χ^2 /NDF: 11.3/12

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

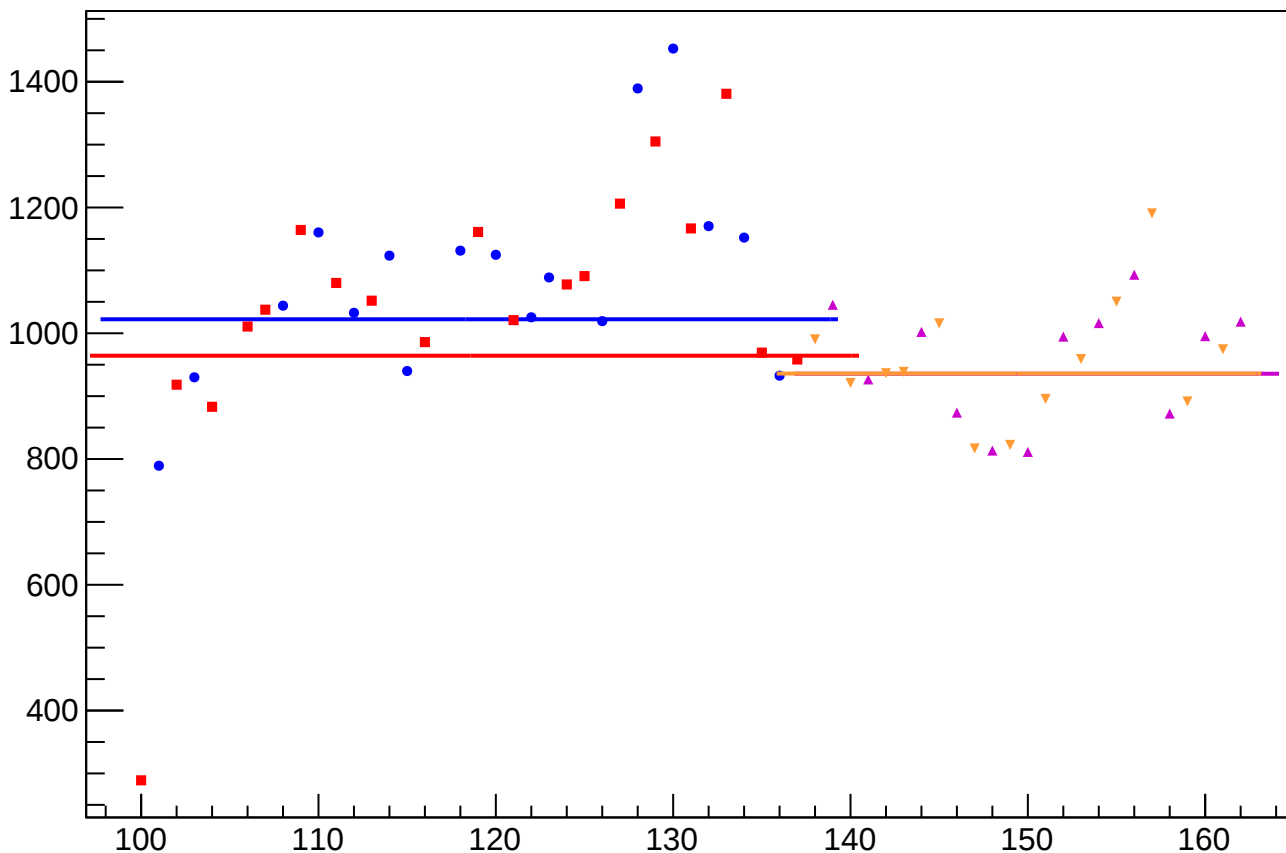
Left In: -980.591 $\pm$ 301.157 χ^2 /NDF: 8.9/11

+ sign 950.494 $\pm$ 241.071 χ^2 /NDF: 33.8/29

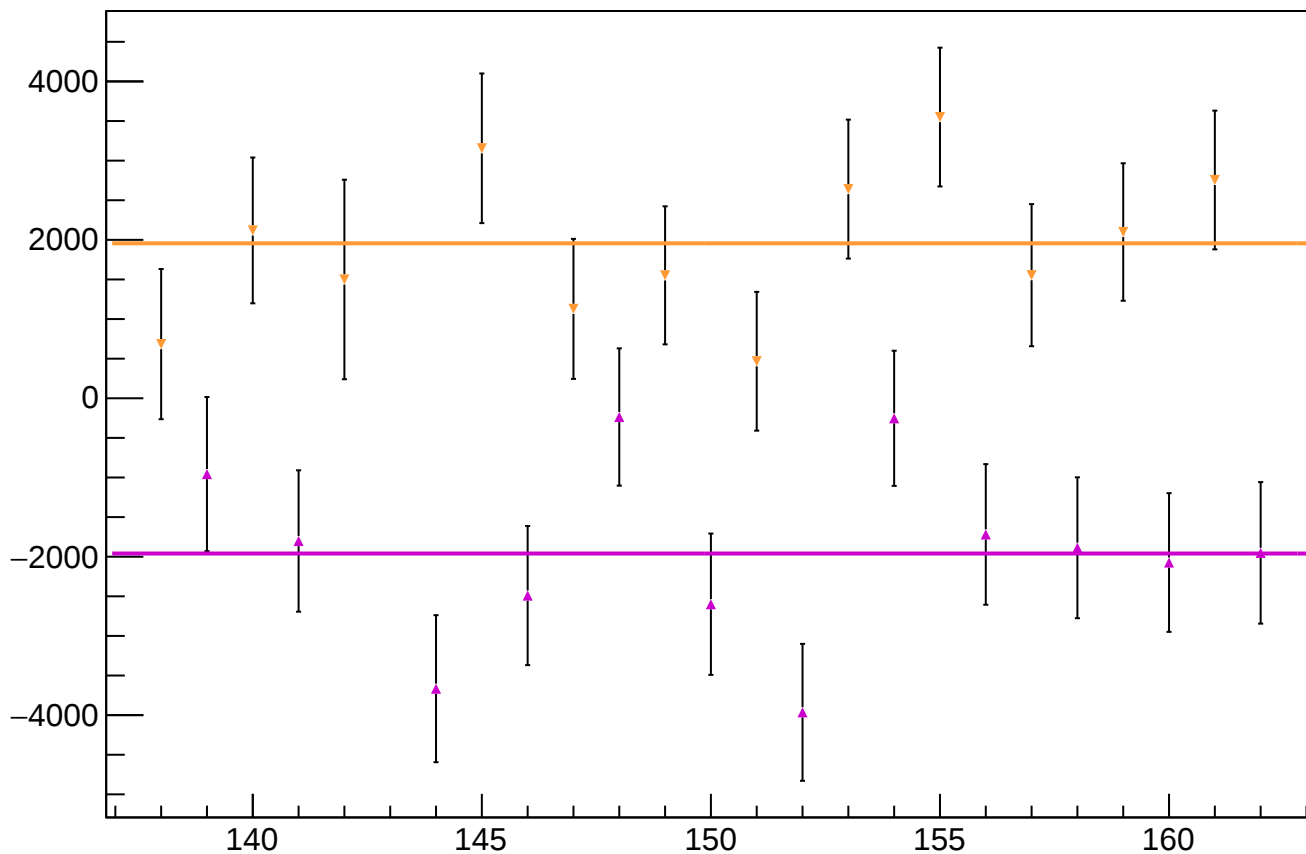
All: -103.570 $\pm$ 168.300 χ^2 /NDF: 92.9/60

- sign -1105.771 $\pm$ 235.066 χ^2 /NDF: 21.8/30

asym_right_dd_rms vs Slug



cor_asym_us_avg_mean vs Slug



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

Left Out: 1956.351+/-263.325 χ^2/NDF :12.5/11

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

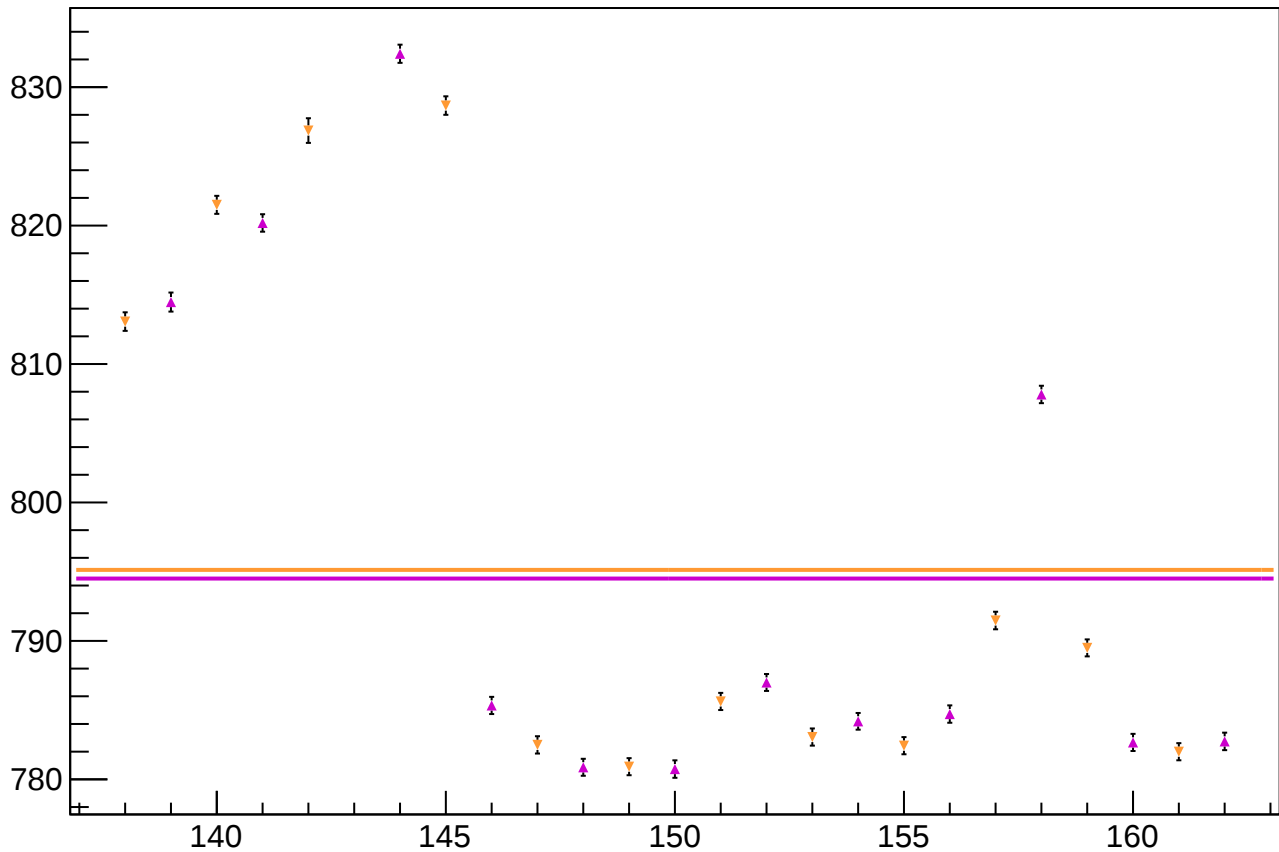
Left In: -1959.778+/-256.819 χ^2/NDF :18.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -50.691+/-183.855 χ^2/NDF : 144.7/23

- 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: 795.130+/-0.186 χ^2/NDF : 8692.1/11

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

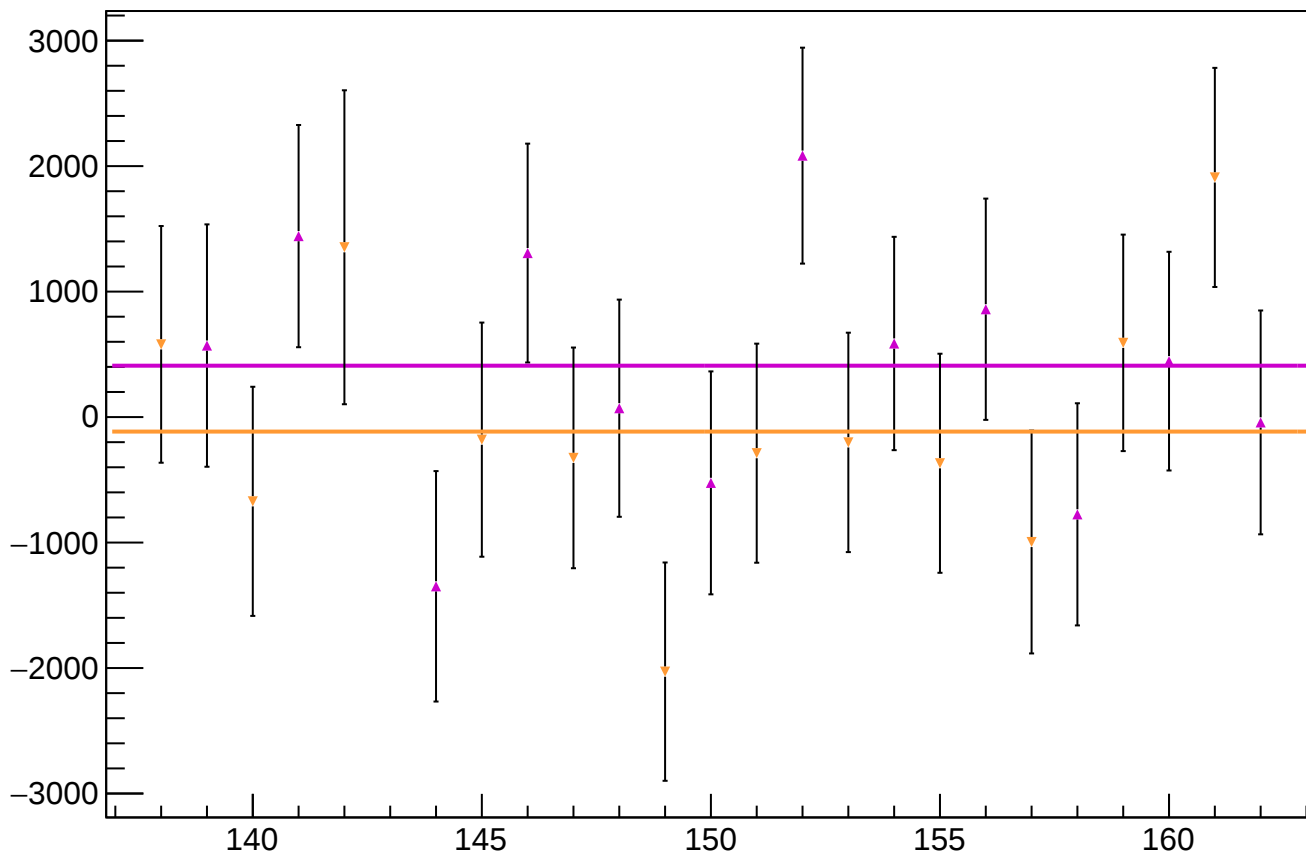
Left In: 794.504+/-0.182 χ^2/NDF : 8870.1/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 794.809+/-0.130 χ^2/NDF : 17568.0/23

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_mean vs Slug



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

Left Out: -115.531+/-261.871 χ^2/NDF : 14.4/11

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

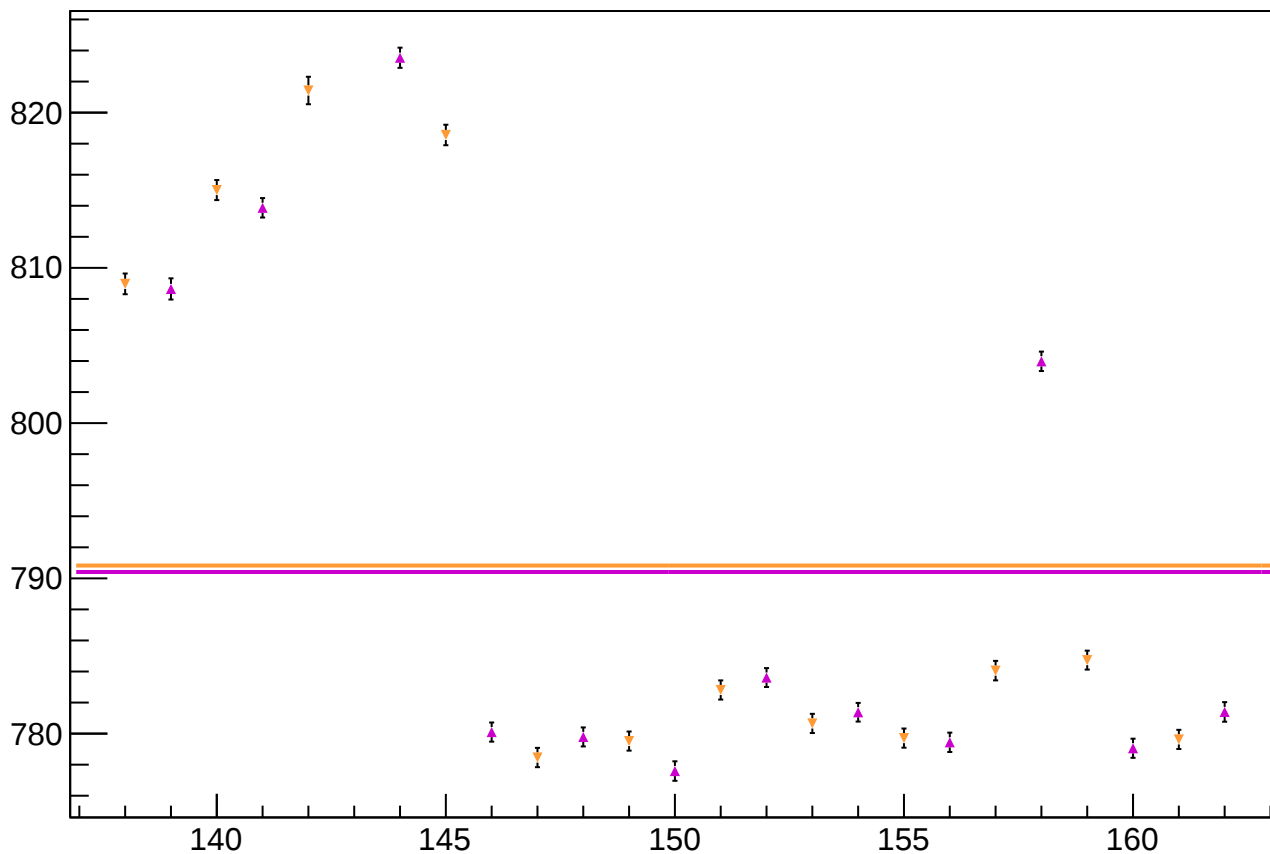
Left In: 409.566+/-255.480 χ^2/NDF : 13.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 153.503+/-182.870 χ^2/NDF : 29.9/23

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_rms vs Slug



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

Left Out: 790.827+/-0.185 χ^2/NDF : 7148.5/11

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

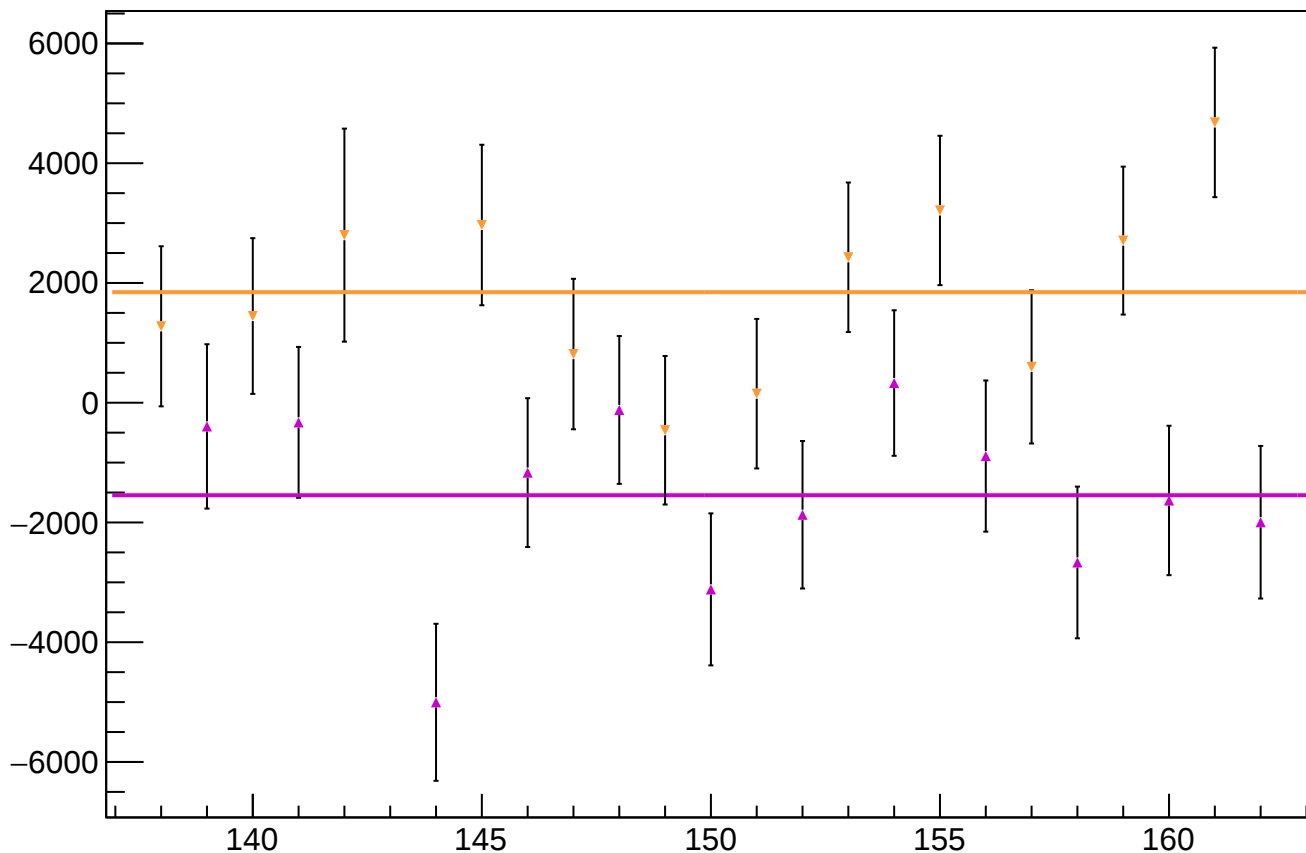
Left In: 790.410+/-0.181 χ^2/NDF : 7390.2/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 790.613+/-0.129 χ^2/NDF : 14541.3/23

- 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: 1846.471+/-374.229 χ^2/NDF : 15.2/11

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

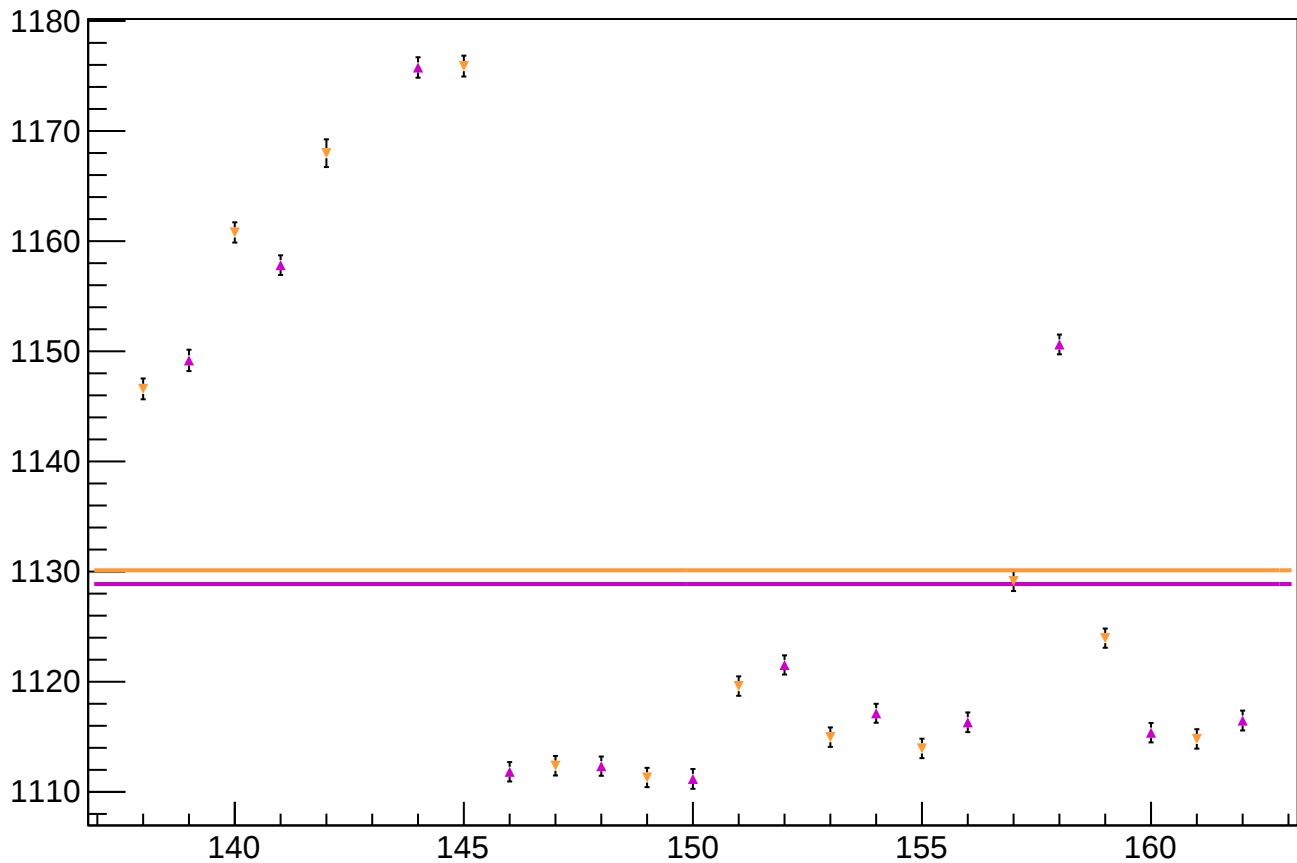
Left In: -1545.311+/-364.877 χ^2/NDF : 15.2/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 107.667+/-261.251 χ^2/NDF : 72.5/23

- 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: 1130.121+/-0.265 χ^2/NDF : 6637.7/11

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

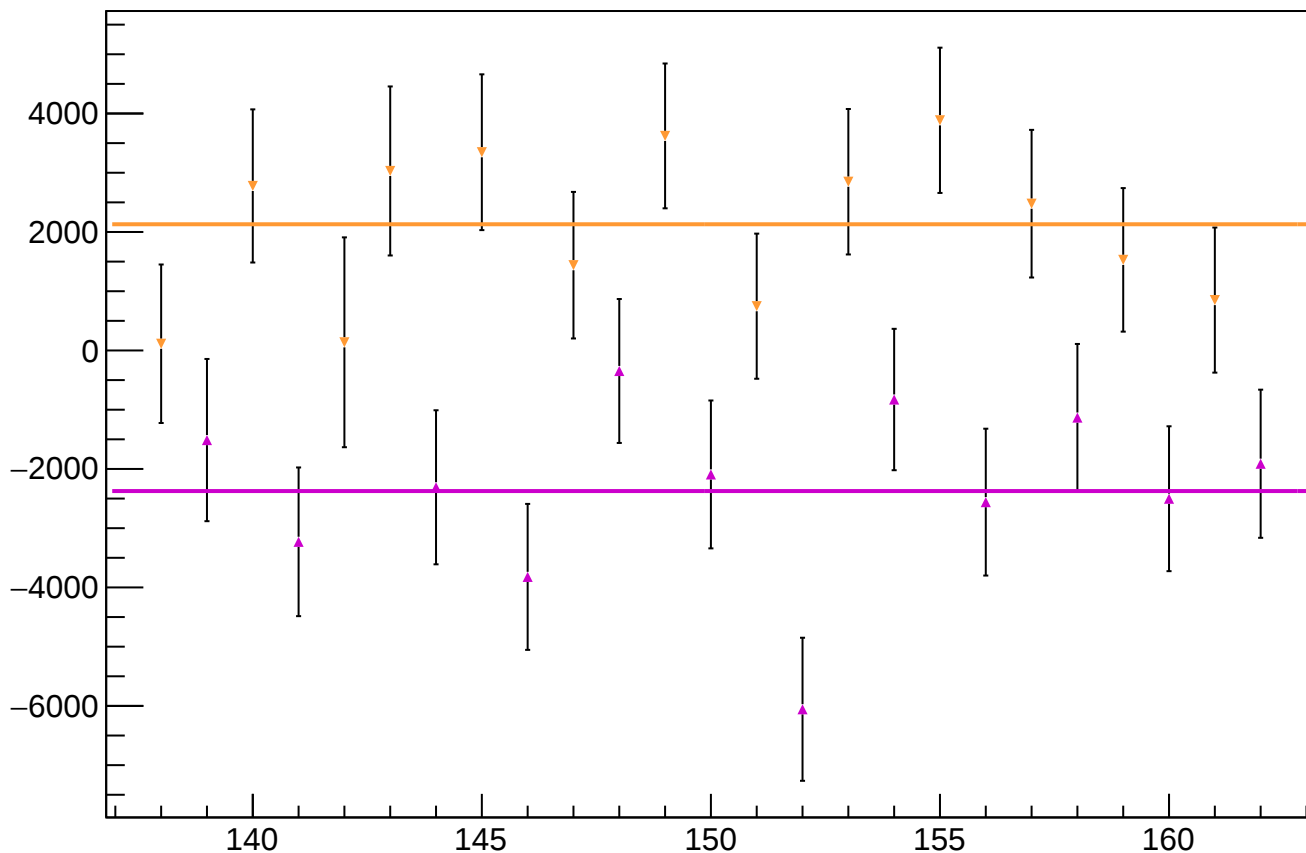
Left In: 1128.875+/-0.258 χ^2/NDF : 6644.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1129.482+/-0.185 χ^2/NDF : 13293.0/23

- 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: 2130.374+/-356.793 χ^2/NDF : 11.9/12

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

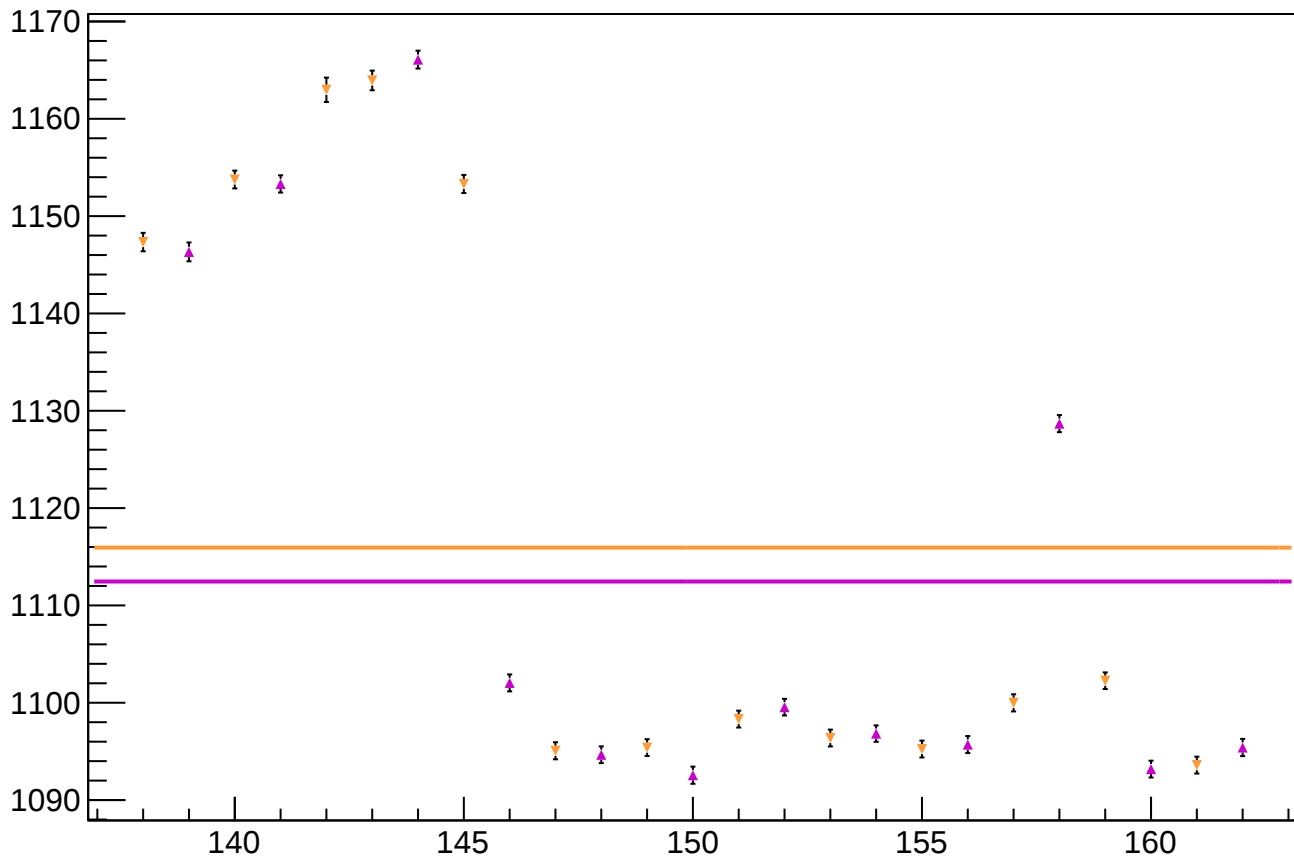
Left In: -2373.231+/-359.601 χ^2/NDF : 17.2/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -103.775+/-253.278 χ^2/NDF : 108.2/24

- 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: 1115.940+/-0.252 χ^2/NDF : 11978.9/12

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

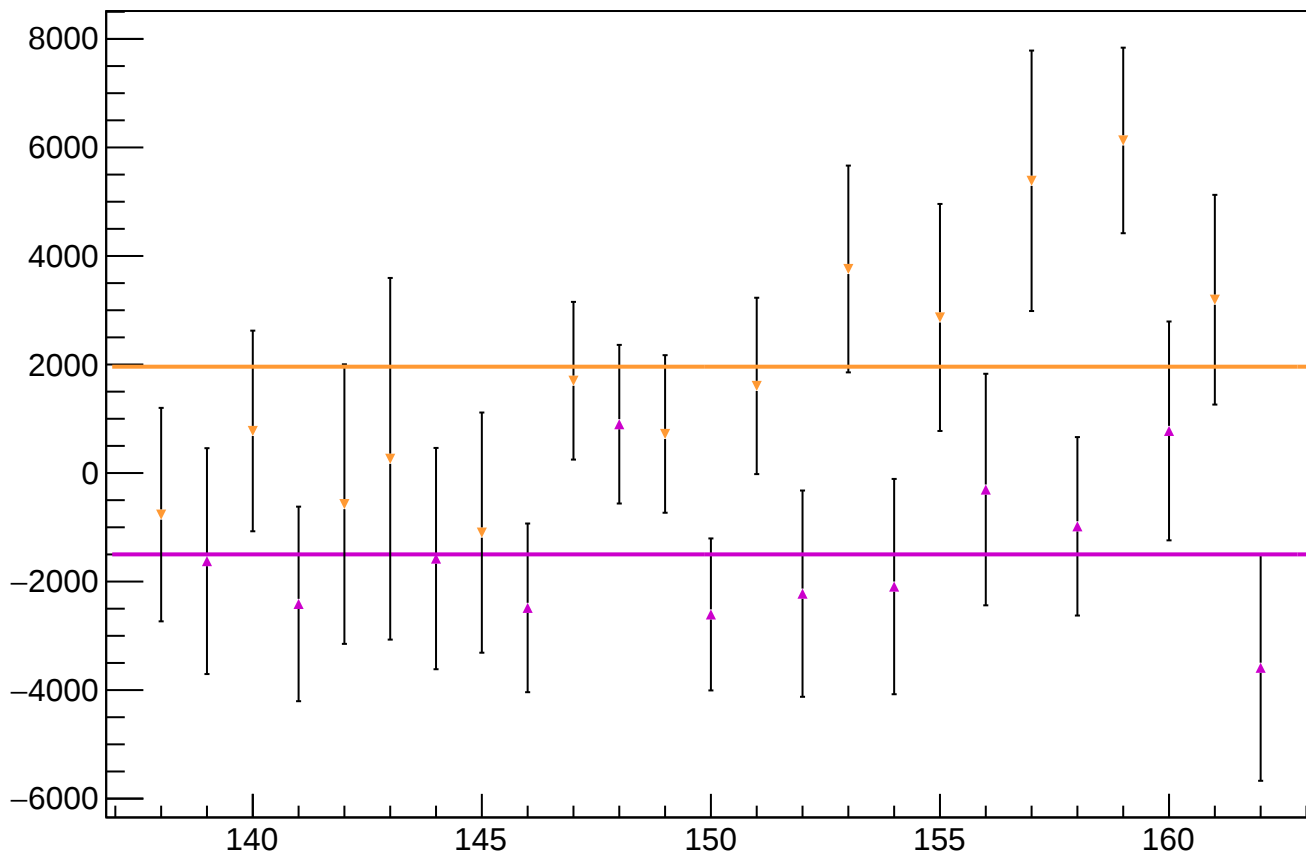
Left In: 1112.457+/-0.254 χ^2/NDF : 9972.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1114.212+/-0.179 χ^2/NDF : 22046.3/24

- 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: 1959.771+/-526.316 χ^2/NDF : 15.7/12

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

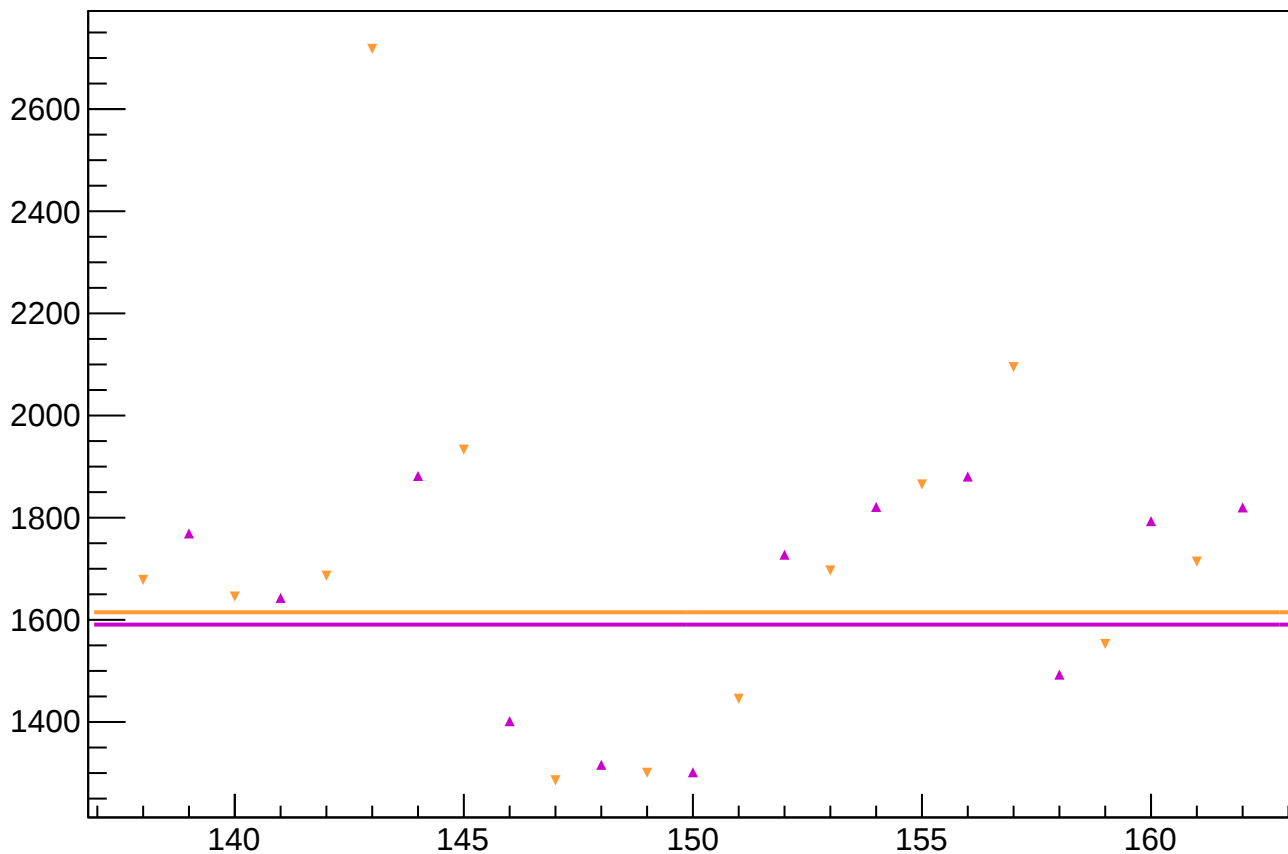
Left In: -1499.165+/-514.947 χ^2/NDF : 6.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 192.541+/-368.077 χ^2/NDF : 44.7/24

- 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: 1614.825+/-0.372 χ^2/NDF : 602842.1/12

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

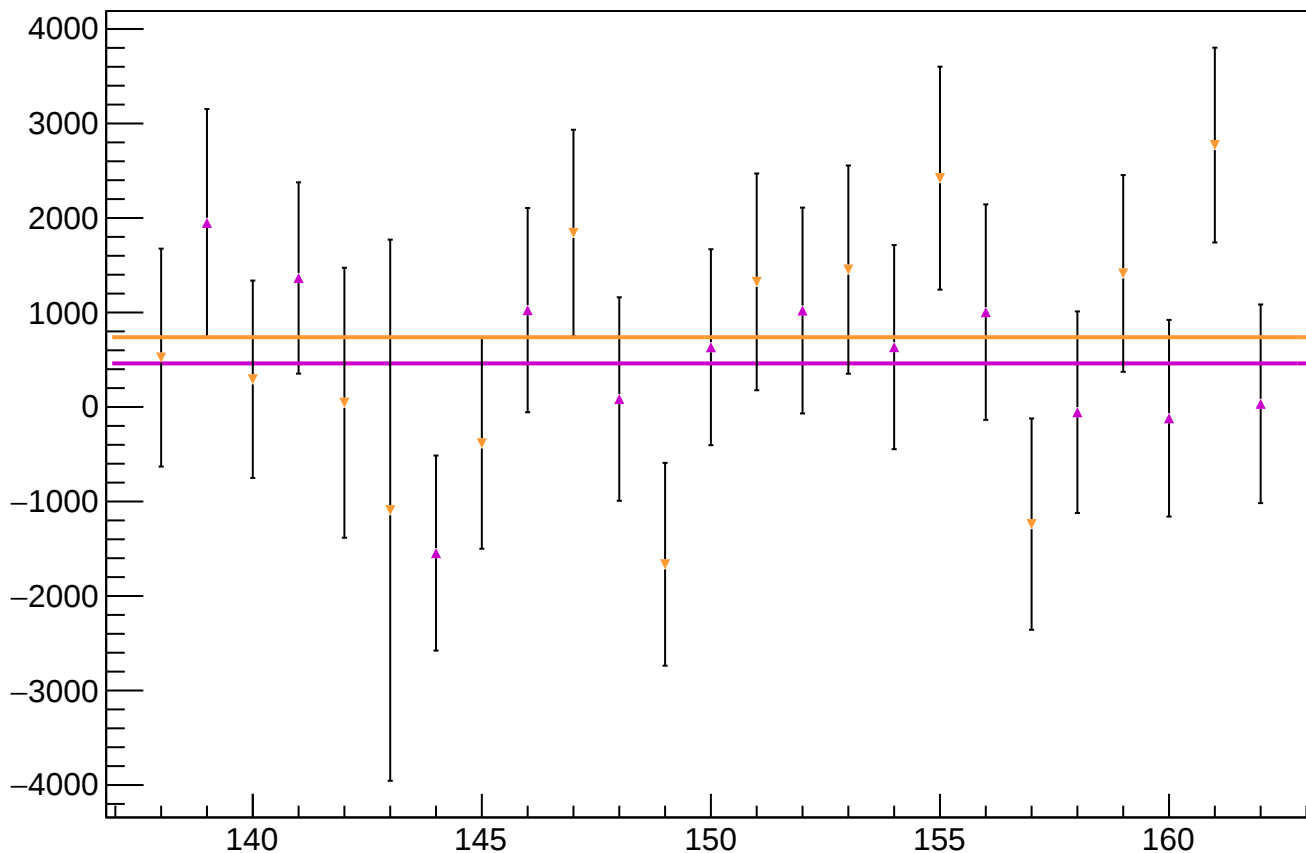
Left In: 1590.671+/-0.364 χ^2/NDF : 368315.2/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1602.484+/-0.260 χ^2/NDF : 973309.4/24

- 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: 738.646+/-320.097 χ^2/NDF : 18.1/12

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

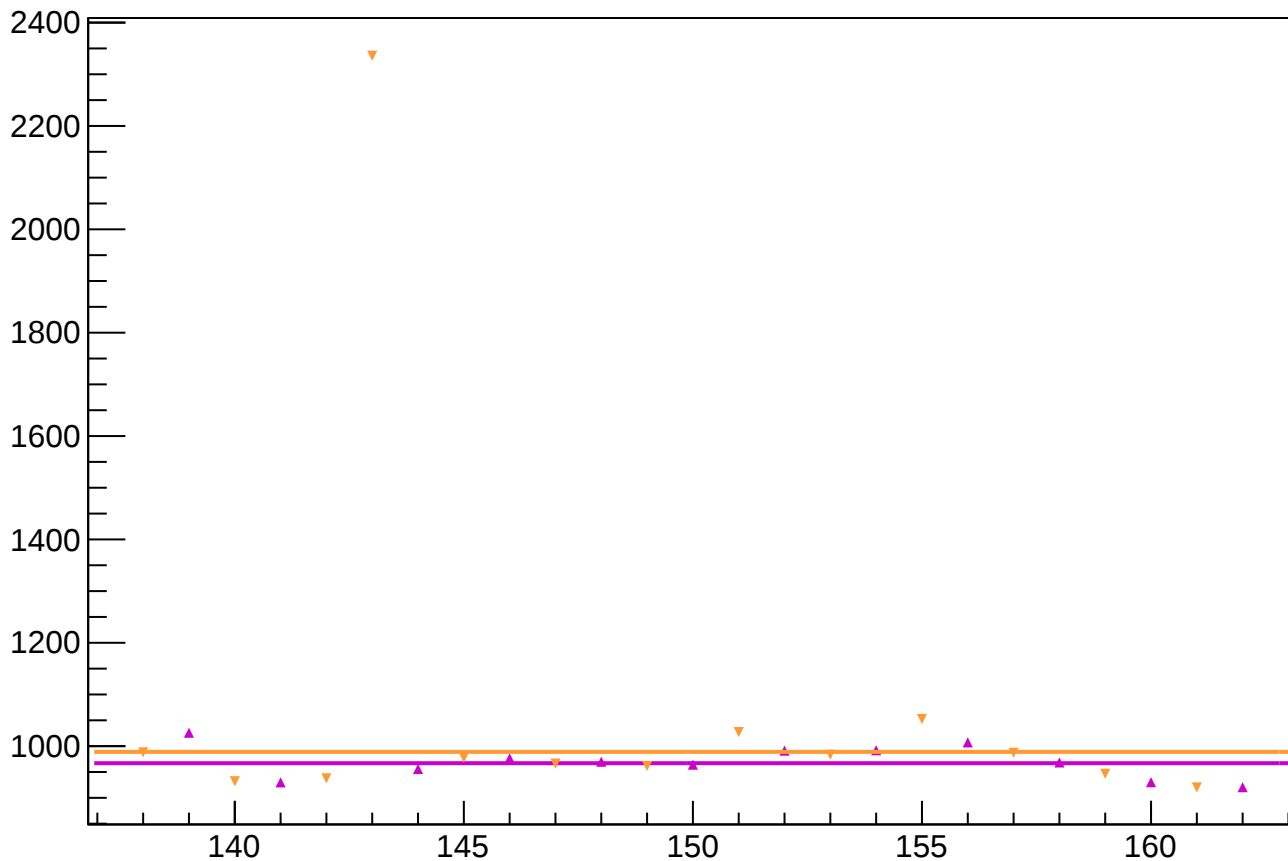
Left In: 461.360+/-309.613 χ^2/NDF : 7.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 595.388+/-222.544 χ^2/NDF : 26.2/24

- 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: 988.920+/-0.226 χ^2/NDF : 473790.7/12

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

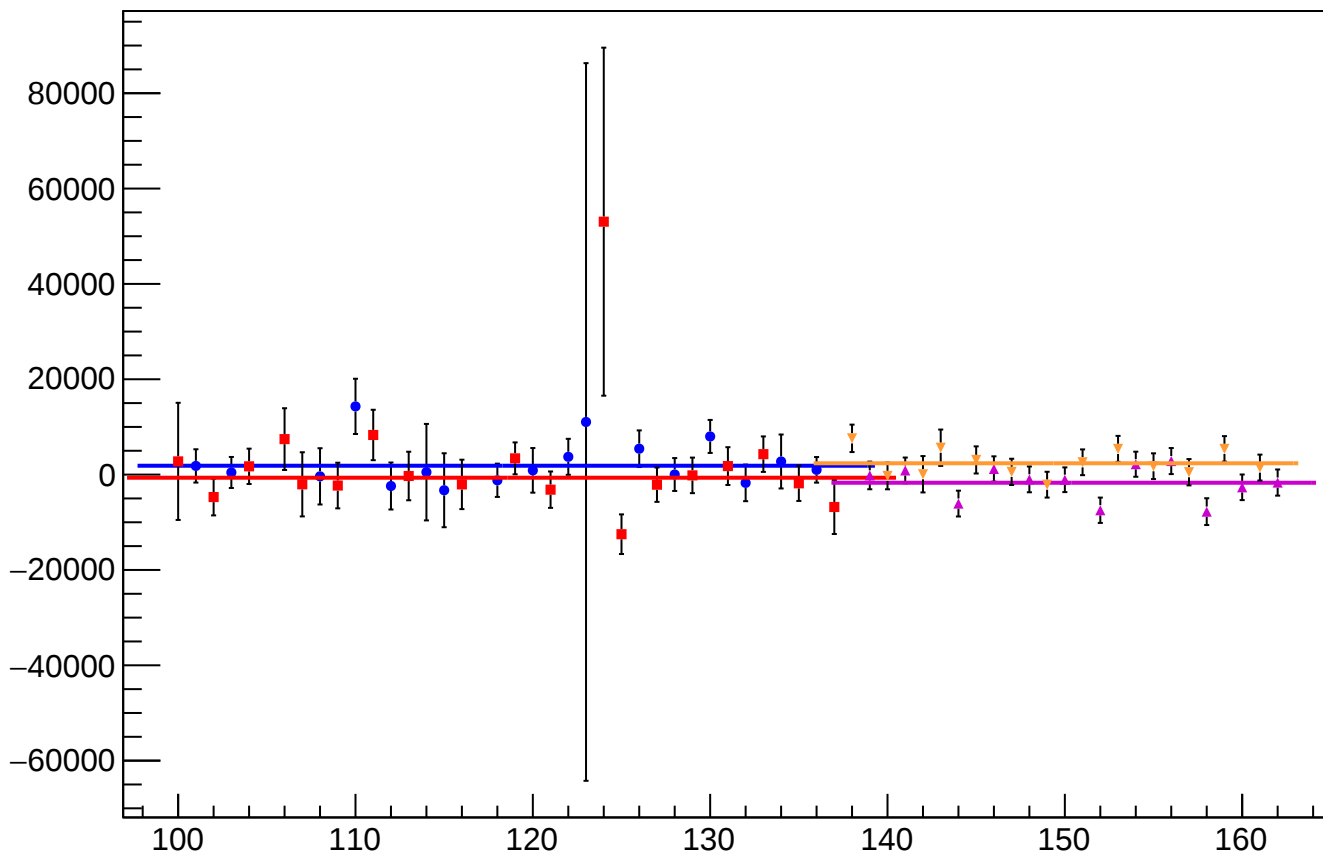
Left In: 967.052+/-0.219 χ^2/NDF : 18877.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 977.622+/-0.157 χ^2/NDF : 497491.0/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_mean vs Slug



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

Left Out: 2376.764+/-792.462 χ^2/NDF : 11.7/12

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

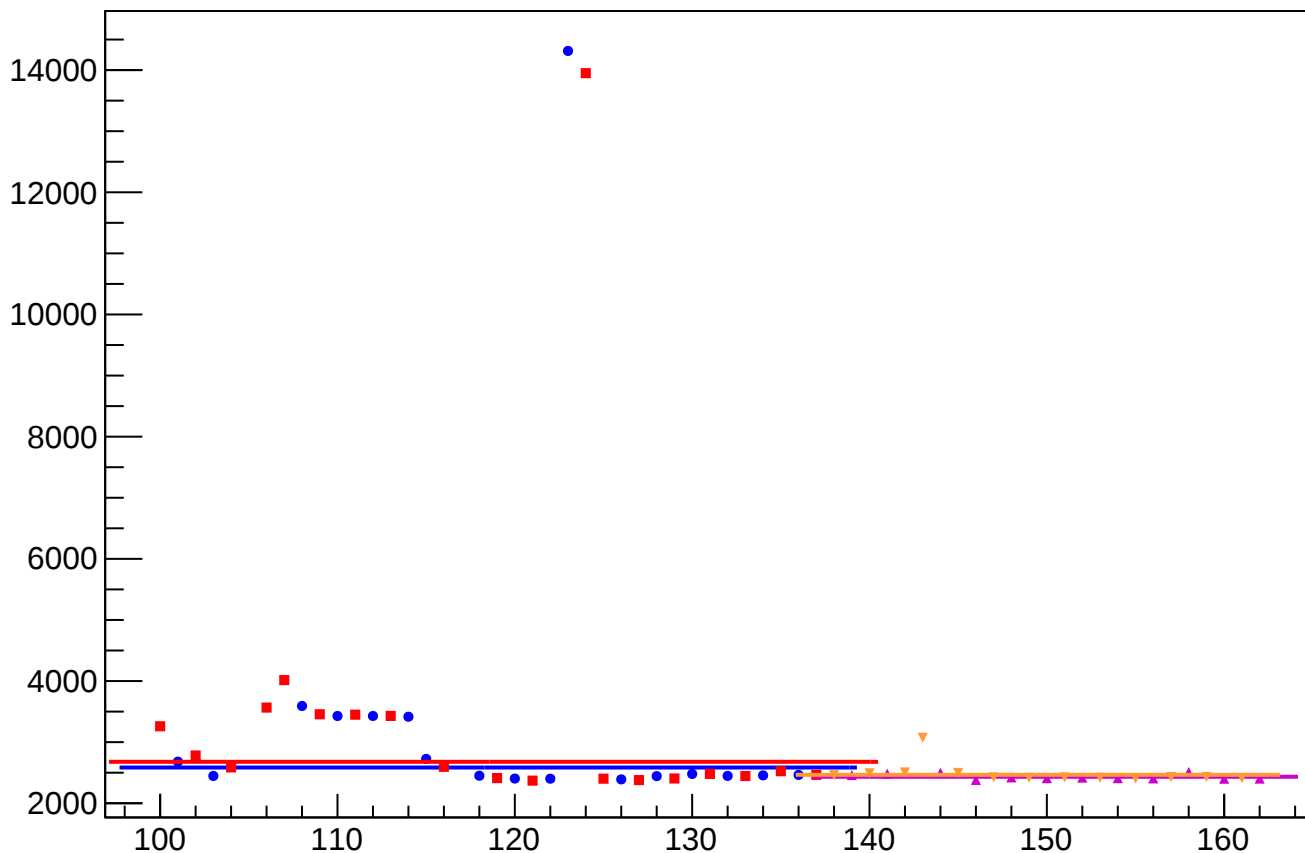
Left In: -1707.956+/-781.385 χ^2/NDF : 19.6/11

+ sign 2180.593+/-624.266 χ^2/NDF : 24.3/29

All: 421.470+/-440.313 χ^2/NDF : 82.5/60

- sign -1320.070+/-621.138 χ^2/NDF : 42.3/30

reg_asym_atl1_rms vs Slug



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

Left Out: 2465.522+/-0.560 χ^2/NDF : 55975.1/12

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

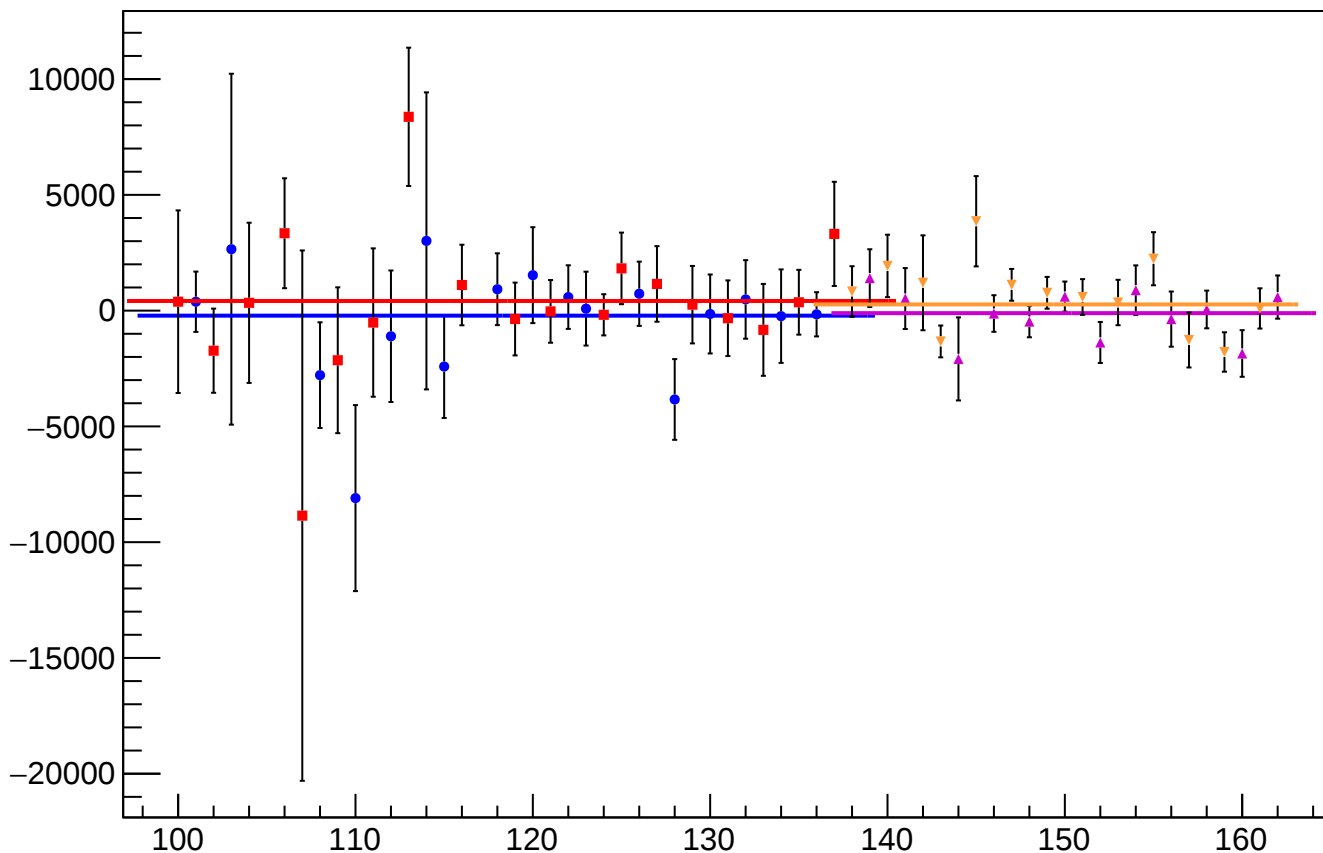
Left In: 2433.700+/-0.553 χ^2/NDF : 5561.5/11

+ sign 2510.788+/-0.441 χ^2/NDF : 328883.5/29

All: 2517.282+/-0.311 χ^2/NDF : 939071.8/60

- sign 2523.712+/-0.439 χ^2/NDF : 609757.5/30

asym_atl1_correction_mean vs Slug



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

Left Out: 268.018 ± 257.035 χ^2/NDF : 23.5/12

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

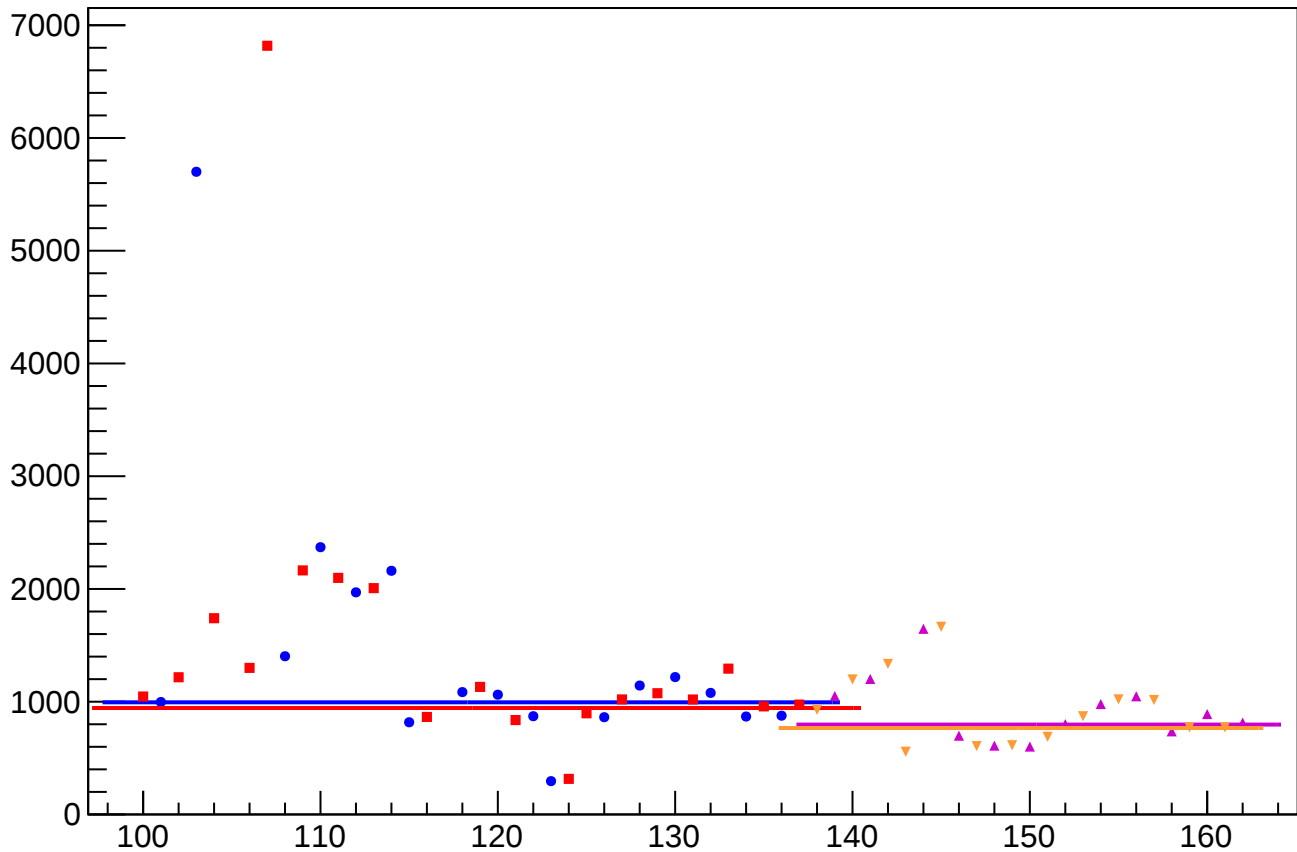
Left In: -108.443 ± 265.746 χ^2/NDF : 11.0/11

+ sign 135.892 ± 219.248 χ^2/NDF : 37.9/29

All: 92.466 ± 156.285 χ^2/NDF : 65.7/60

- sign 47.607 ± 222.835 χ^2/NDF : 27.8/30

asym_atl1_correction_rms vs Slug



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

Left Out: 766.480 ± 0.182 χ^2/NDF : 1450667.1/12

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

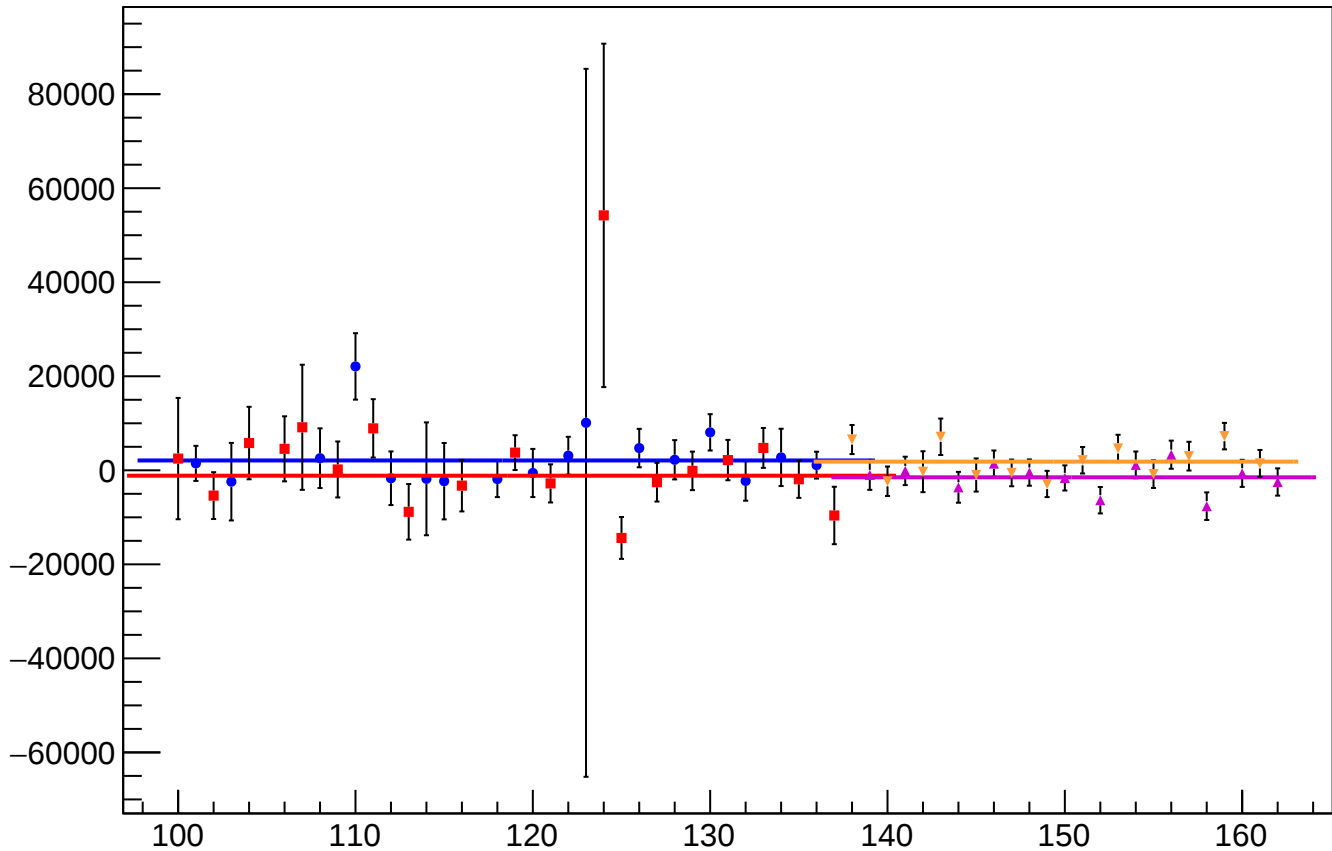
Left In: 797.144 ± 0.188 χ^2/NDF : 1258141.3/11

+ sign 828.605 ± 0.155 χ^2/NDF : 3784123.5/29

All: 834.616 ± 0.111 χ^2/NDF : 7893360.2/60

- sign 840.826 ± 0.158 χ^2/NDF : 4106179.9/30

asym_atl1_mean vs Slug



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

Left Out: 1841.783+/-853.035 χ^2/NDF : 16.1/12

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

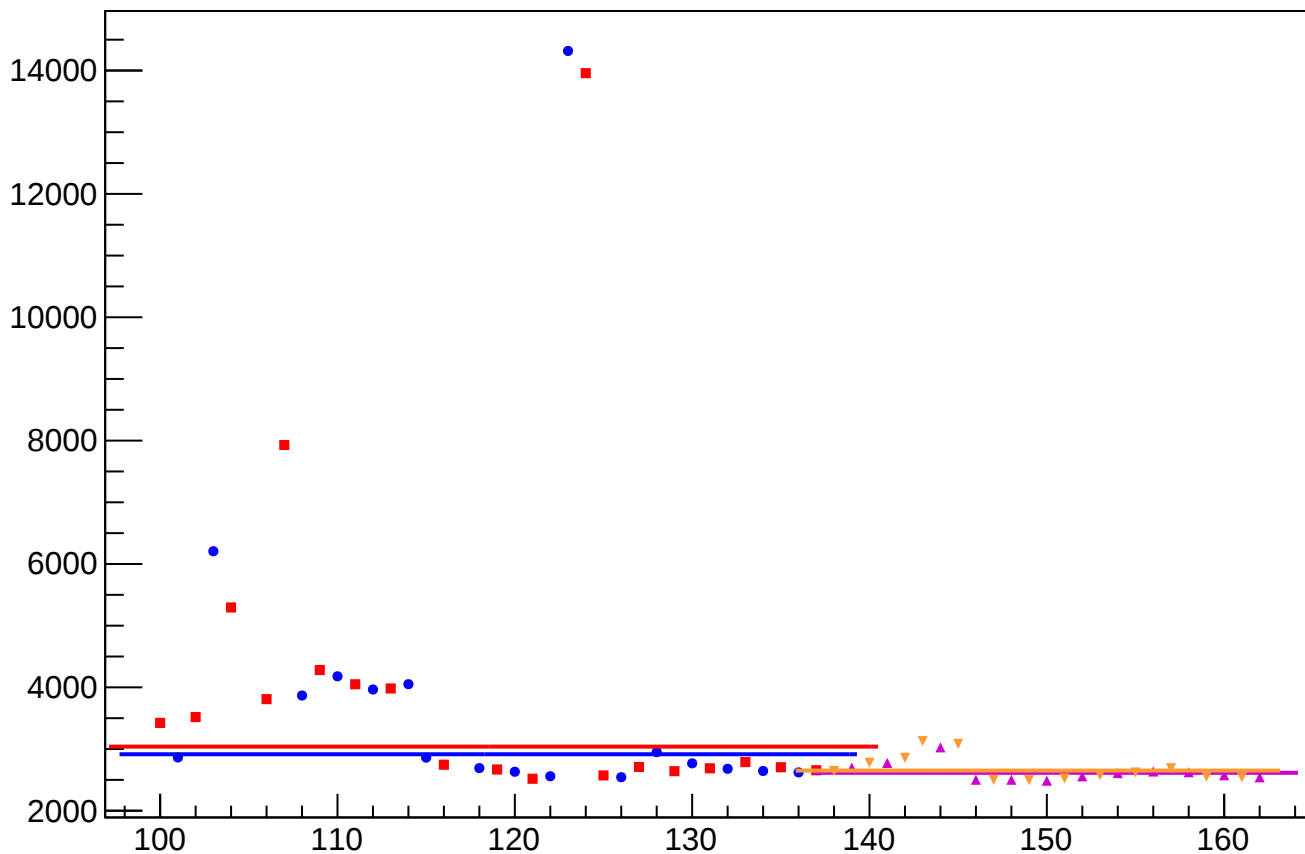
Left In: -1486.945+/-840.549 χ^2/NDF : 12.9/11

+ sign 1930.281+/-687.311 χ^2/NDF : 30.7/29

All: 275.092+/-485.530 χ^2/NDF : 80.4/60

- sign -1373.676+/-685.976 χ^2/NDF : 38.1/30

asym_atl1_rms vs Slug



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

Left Out: 2651.104+/-0.603 χ^2 /NDF: 91434.8/12

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

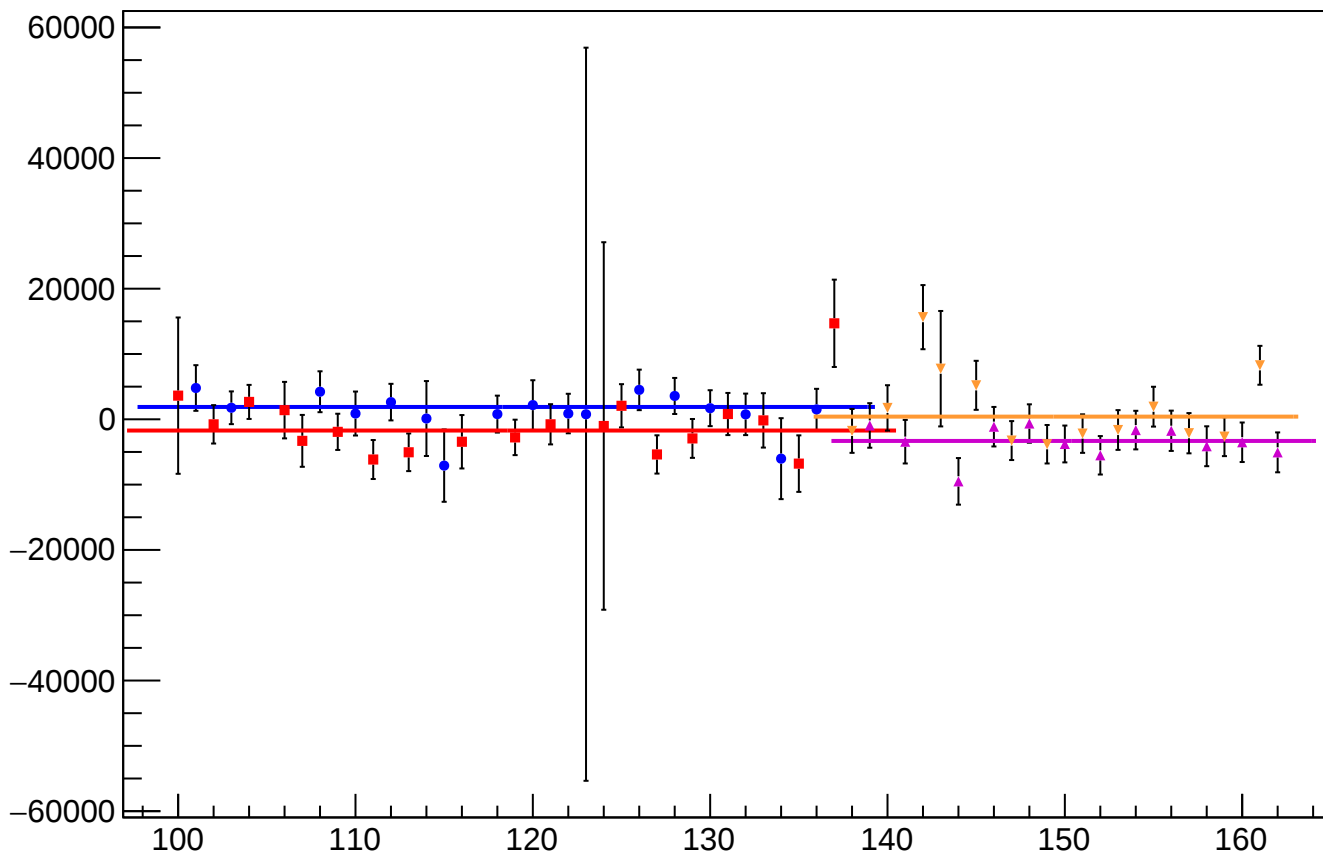
Left In: 2614.599+/-0.594 χ^2 /NDF: 52312.3/11

+ sign 2743.752+/-0.486 χ^2 /NDF: 797821.4/29

All: 2750.080+/-0.343 χ^2 /NDF: 2032248.2/60

- sign 2756.384+/-0.485 χ^2 /NDF: 1234088.4/30

reg_asym_atl2_mean vs Slug



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

Left Out: 410.745+/-918.422 χ^2/NDF : 26.3/12

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

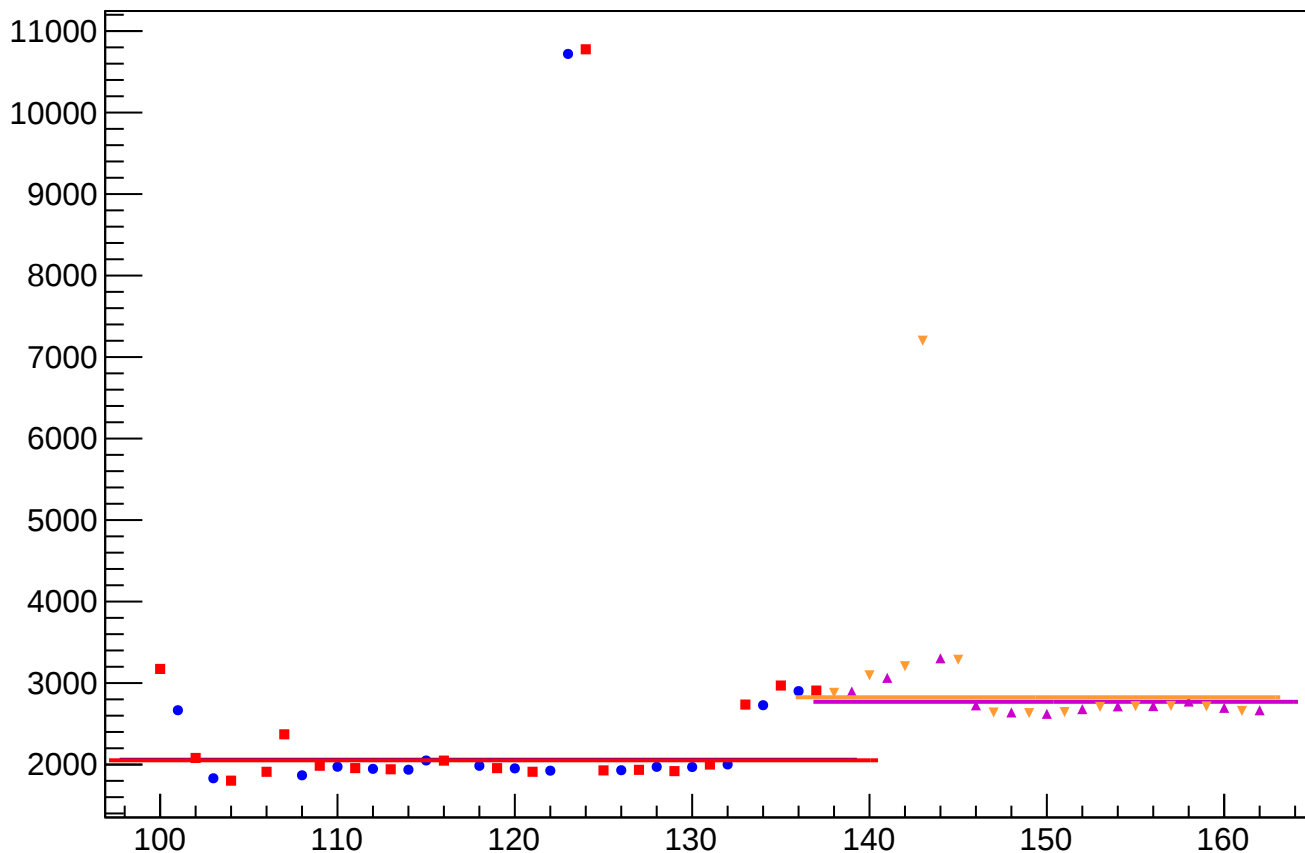
Left In: -3313.551+/-889.434 χ^2/NDF : 6.4/11

+ sign 1241.484+/-608.094 χ^2/NDF : 35.0/29

All: -643.598+/-423.704 χ^2/NDF : 80.8/60

- sign -2422.379+/-590.700 χ^2/NDF : 27.2/30

reg_asym_atl2_rms vs Slug



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

Left Out: 2825.507+/-0.649 χ^2/NDF : 586105.6/12

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

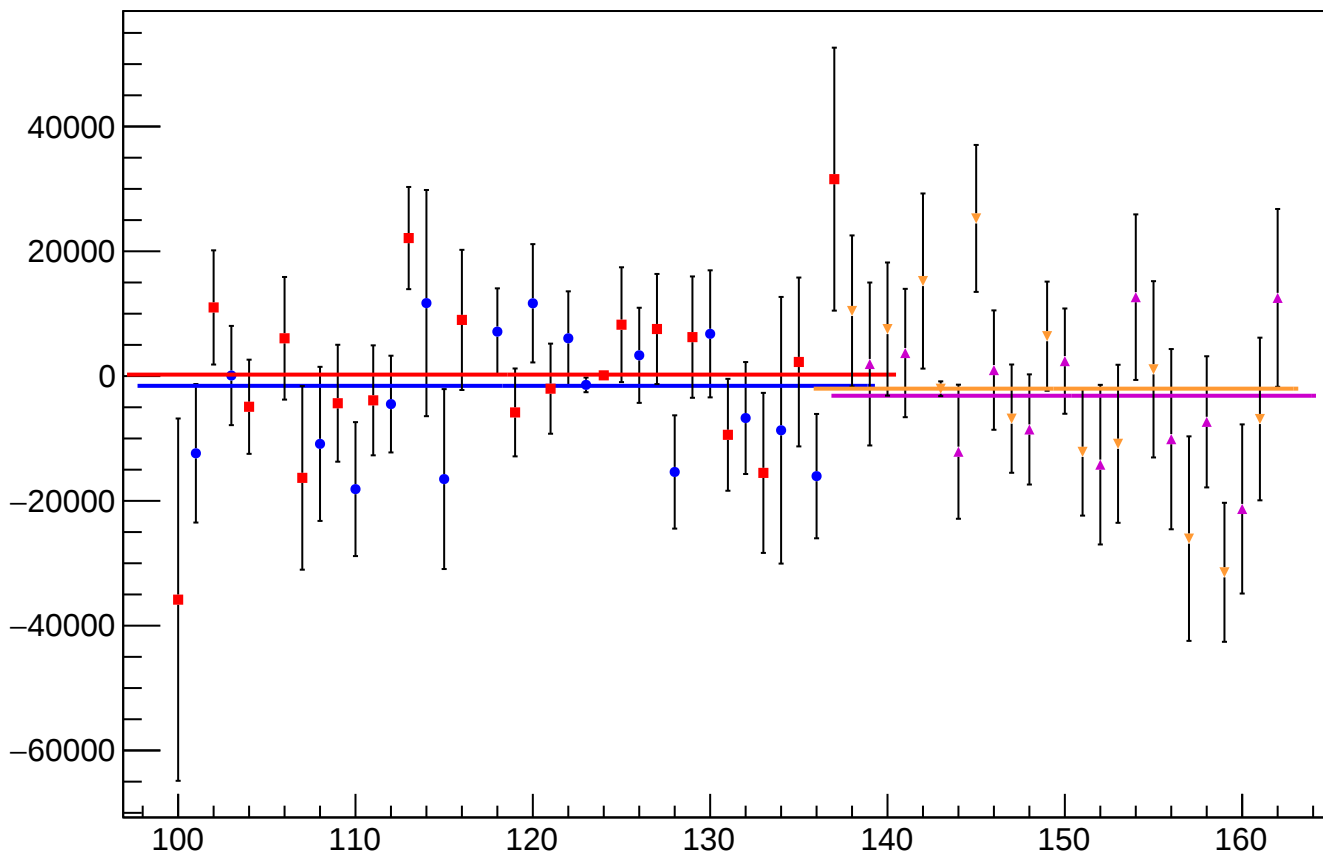
Left In: 2769.972+/-0.629 χ^2/NDF : 79580.3/11

+ sign 2395.005+/-0.430 χ^2/NDF : 1687118.6/29

All: 2381.532+/-0.300 χ^2/NDF : 2939816.5/60

- sign 2368.818+/-0.418 χ^2/NDF : 1250789.6/30

asym_atl2_correction_mean vs Slug



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

Left Out: -2014.943 ± 1112.689 χ^2/NDF : 20.8/12

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

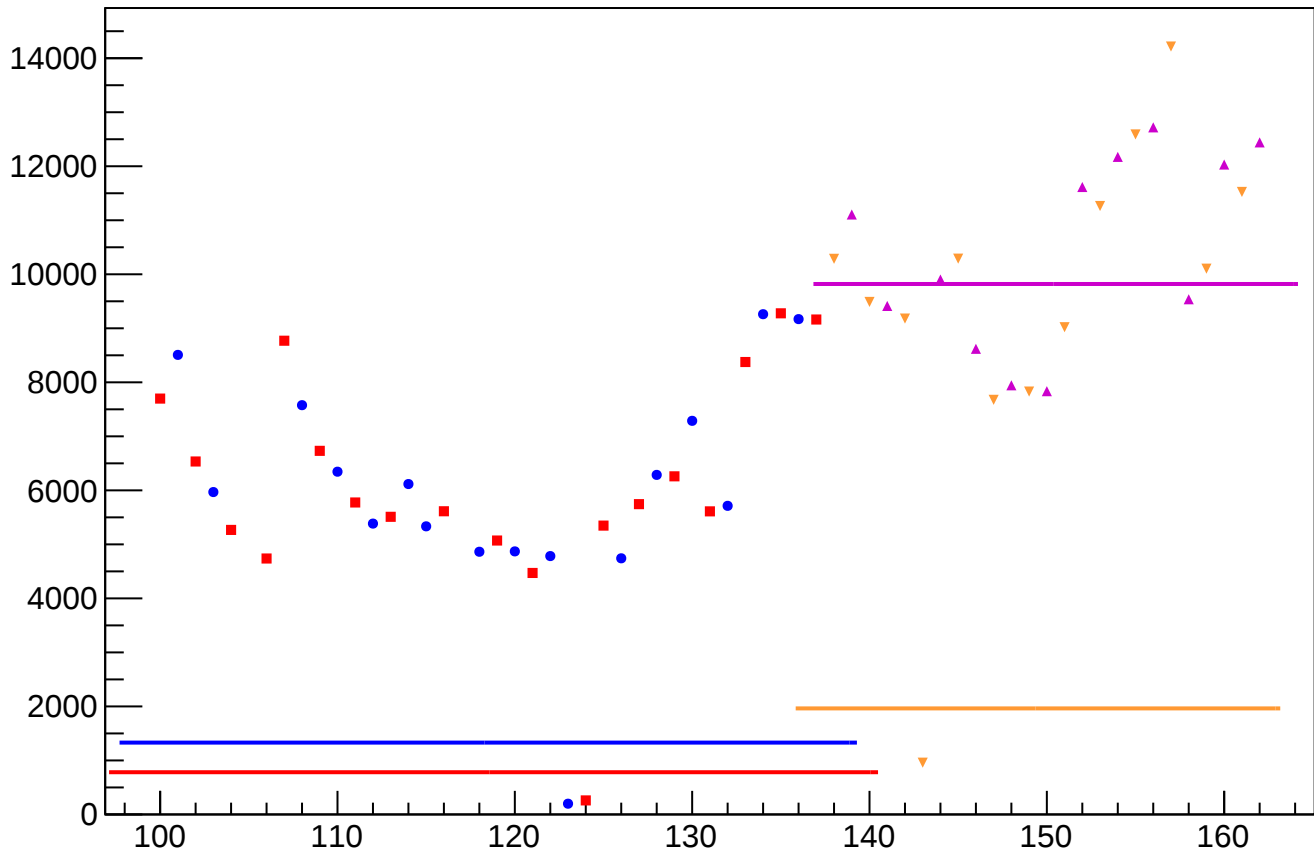
Left In: -3151.158 ± 3197.868 χ^2/NDF : 7.8/11

+ sign -1776.842 ± 765.177 χ^2/NDF : 37.0/29

All: -736.548 ± 507.998 χ^2/NDF : 70.1/60

- sign 83.347 ± 679.302 χ^2/NDF : 29.7/30

asym_atl2_correction_rms vs Slug



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

Left Out: 1963.268+/-0.787 χ^2/NDF : 13103122.5/12

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

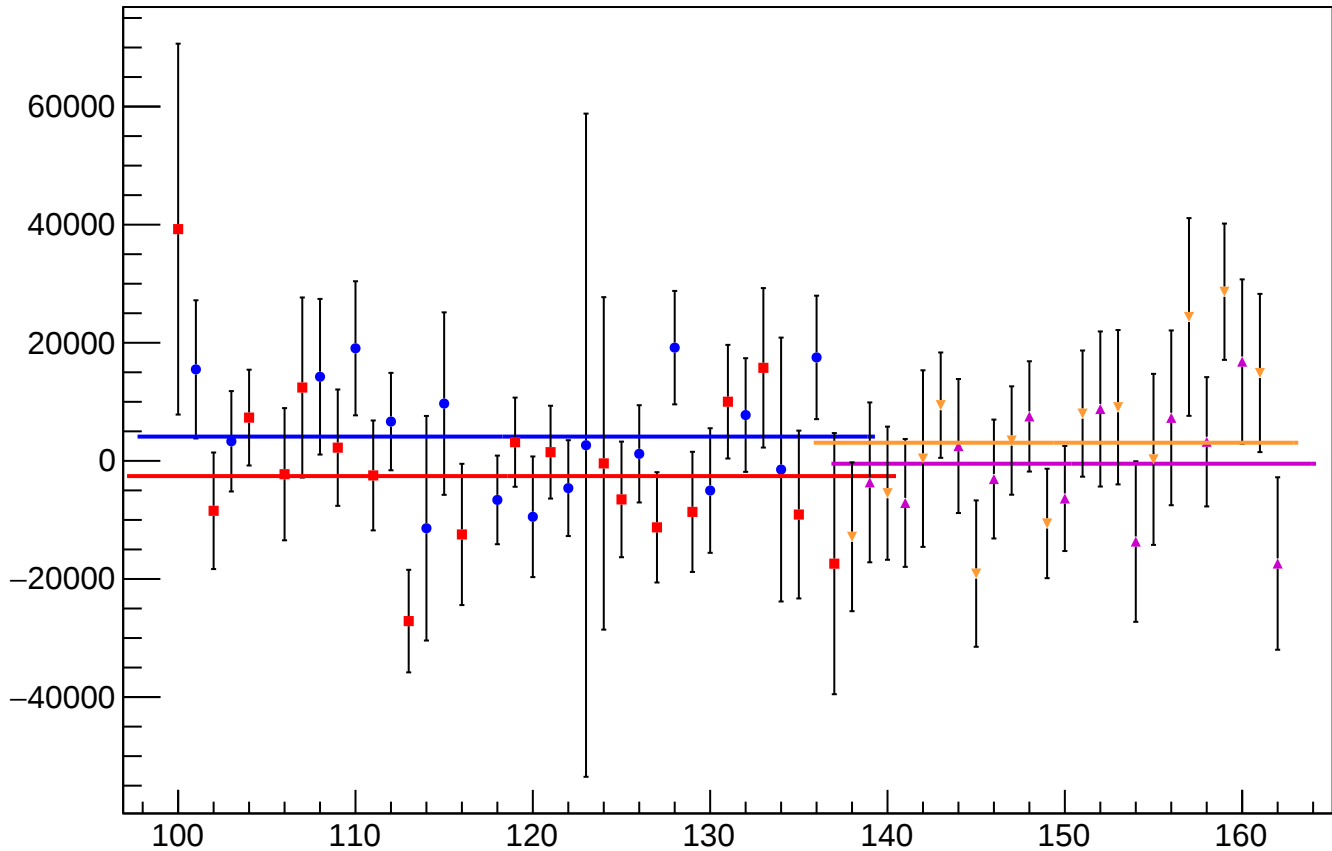
Left In: 9820.286+/-2.261 χ^2/NDF : 560306.6/11

+ sign 1629.609+/-0.541 χ^2/NDF : 23491145.8/29

All: 1383.591+/-0.359 χ^2/NDF : 51117114.0/6

- sign 1189.696+/-0.480 χ^2/NDF : 27256276.7/30

asym_atl2_mean vs Slug



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

Left Out: 3073.643+/-3206.549 χ^2/NDF : 15.9/12

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

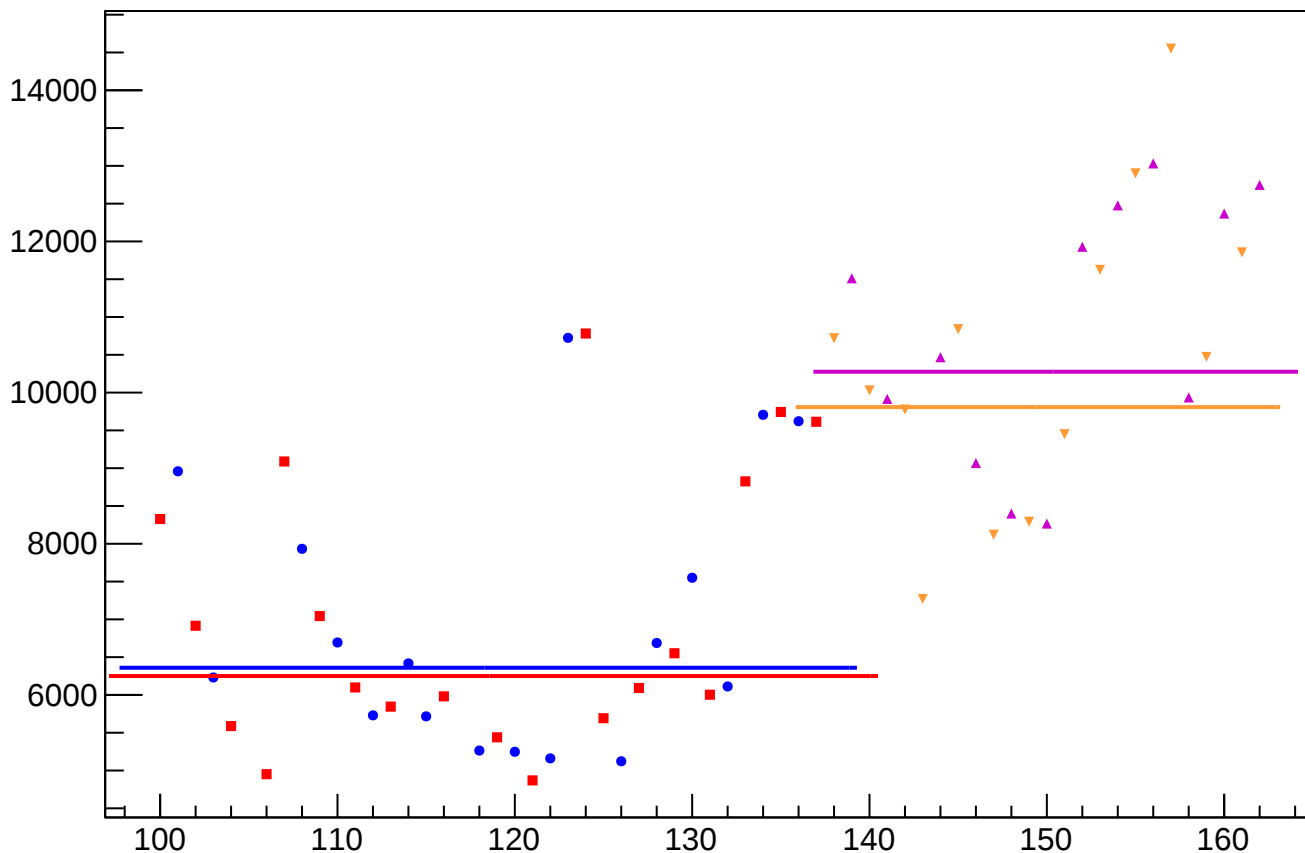
Left In: -480.666+/-3339.420 χ^2/NDF : 6.4/11

+ sign 3712.607+/-1988.349 χ^2/NDF : 30.2/29

All: 888.335+/-1395.777 χ^2/NDF : 60.9/60

- sign -1855.454+/-1959.813 χ^2/NDF : 26.7/30

asym_atl2_rms vs Slug



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

Left Out: 9808.107+/-2.267 χ^2/NDF : 654396.5/12

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

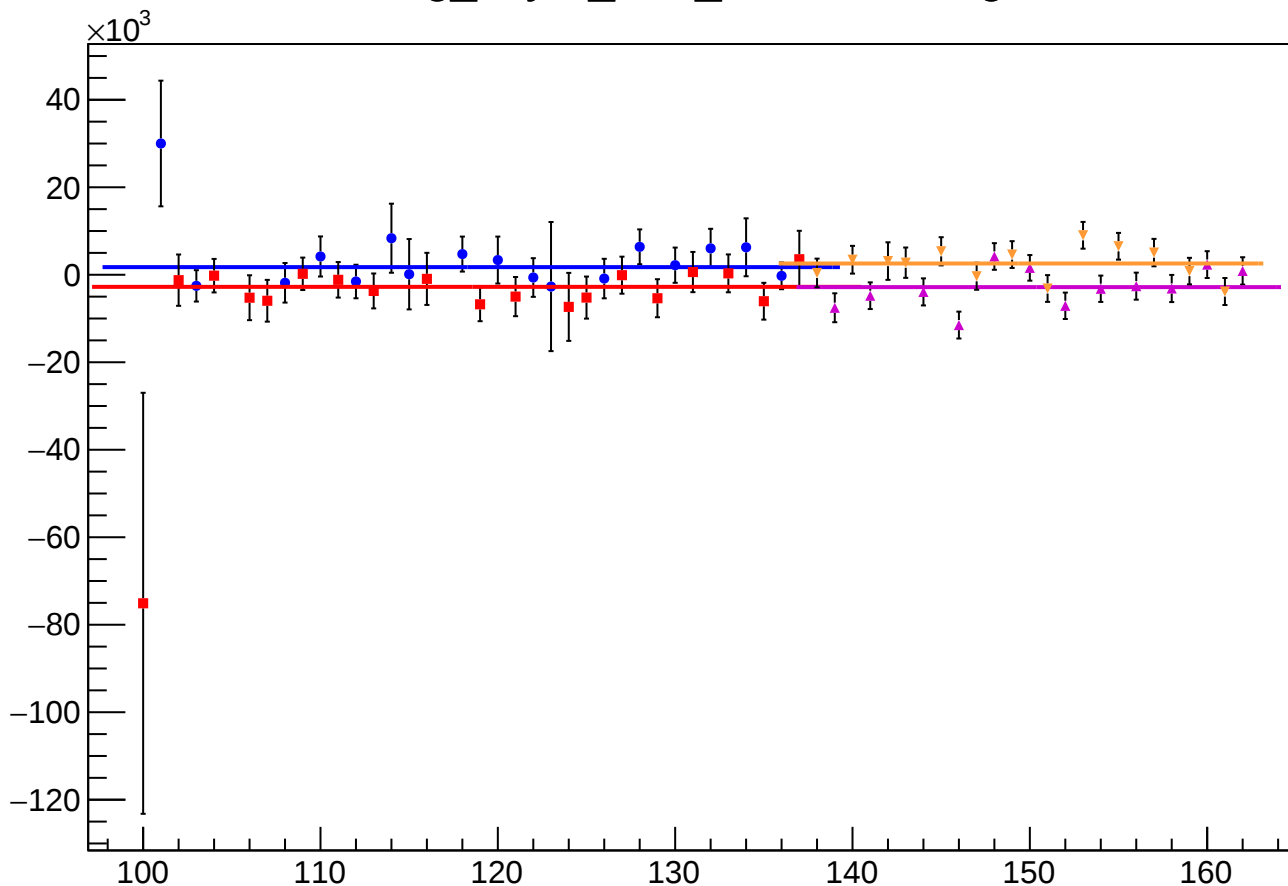
Left In: 10276.144+/-2.361 χ^2/NDF : 488719.0/11

+ sign 7685.785+/-1.406 χ^2/NDF : 2658360.2/29

All: 7660.851+/-0.987 χ^2/NDF : 5586547.9/60

- sign 7636.630+/-1.386 χ^2/NDF : 2927567.7/30

reg_asym_atr1_mean vs Slug



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

Left Out: 2577.990 $\pm$ 886.103 χ^2 /NDF: 17.5/12

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

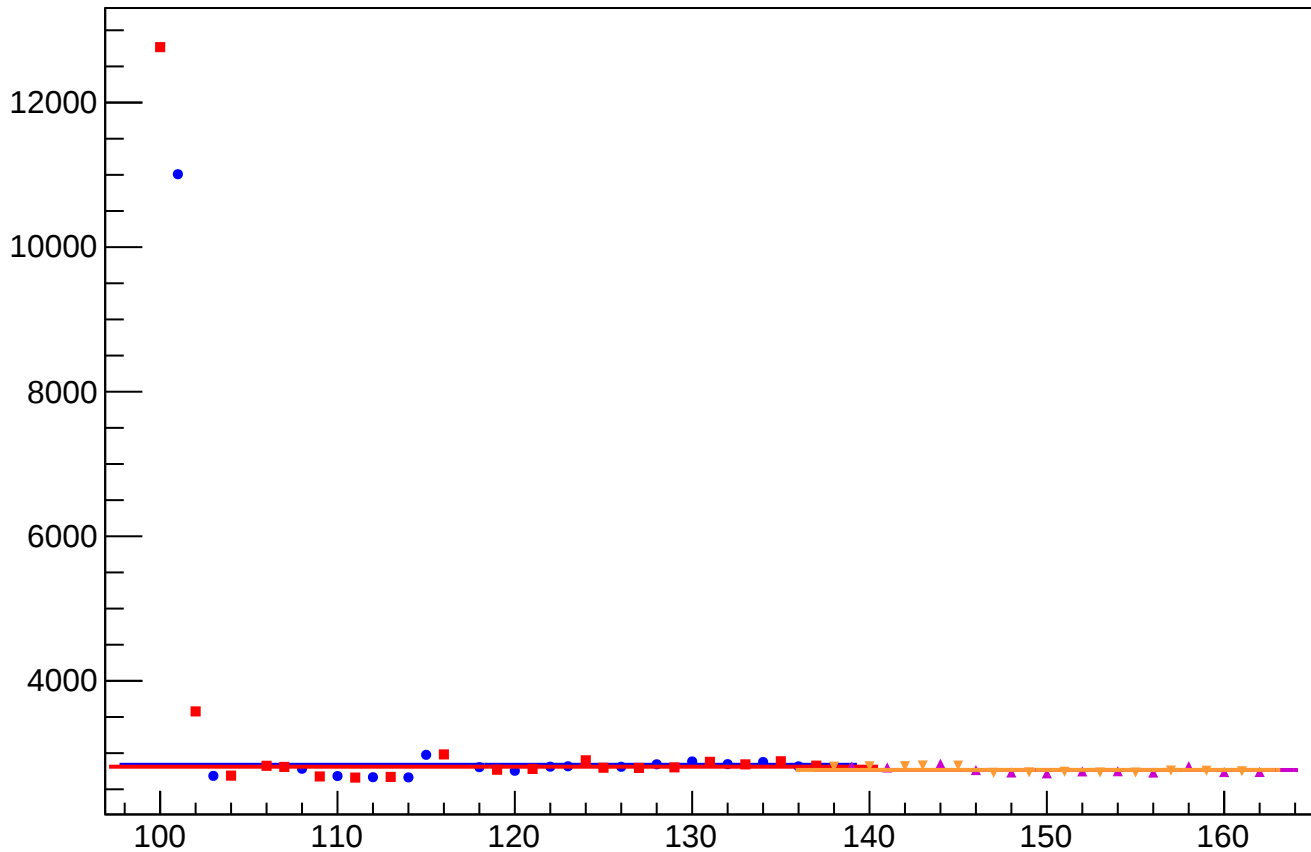
Left In: -2822.879 $\pm$ 886.663 χ^2 /NDF: 24.4/11

+ sign 2260.679 $\pm$ 696.937 χ^2 /NDF: 30.0/29

All: -319.371 $\pm$ 487.889 χ^2 /NDF: 91.0/60

- sign -2798.904 $\pm$ 683.226 χ^2 /NDF: 34.1/30

reg_asym_atr1_rms vs Slug



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

Left Out: 2768.218+/-0.627 χ^2/NDF : 3863.6/12

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

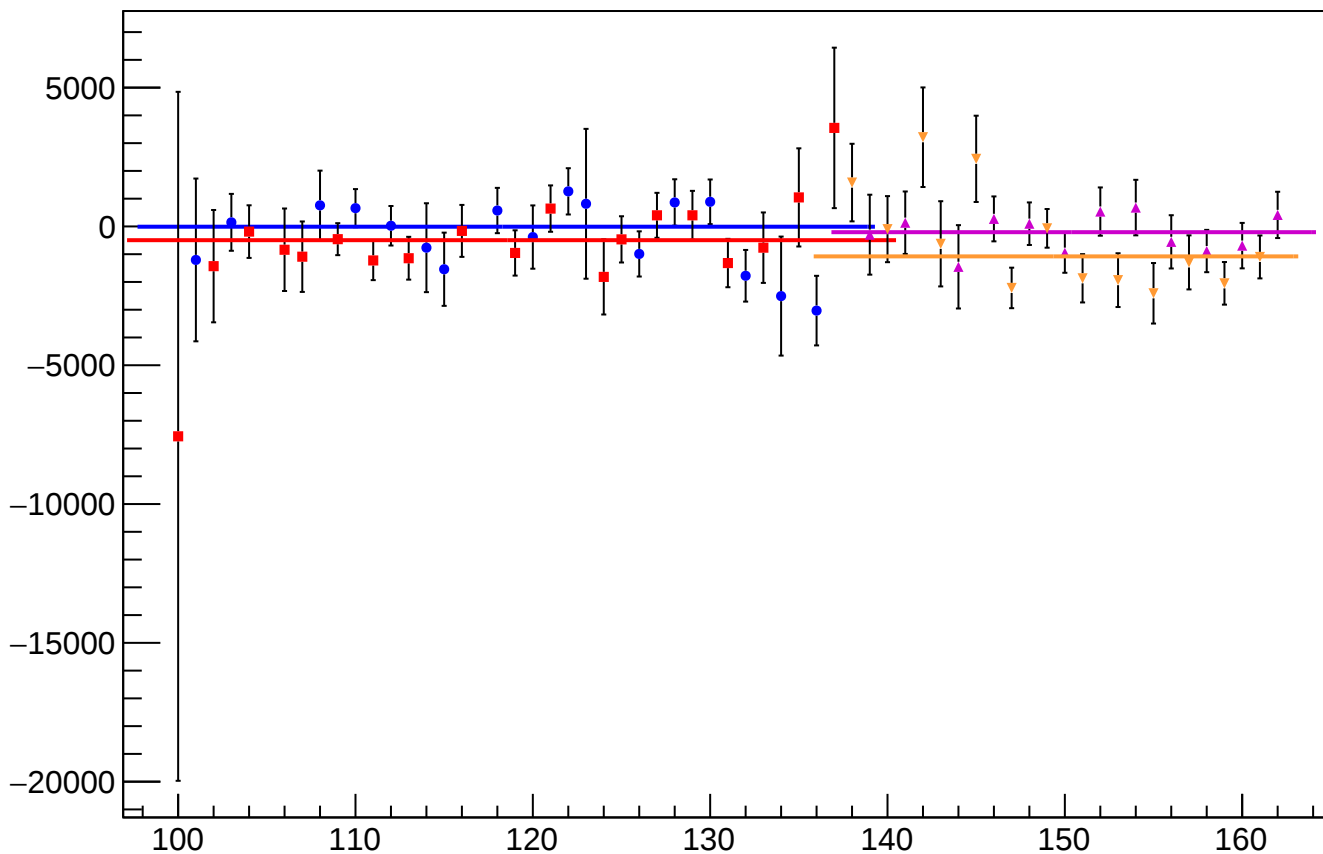
Left In: 2767.106+/-0.627 χ^2/NDF : 4356.8/11

+ sign 2795.113+/-0.493 χ^2/NDF : 668903.9/29

All: 2790.262+/-0.345 χ^2/NDF : 808656.3/60

- sign 2785.599+/-0.483 χ^2/NDF : 139562.3/30

asym_atr1_correction_mean vs Slug



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

Left Out: -1079.084 ± 267.605 χ^2/NDF : 24.5/12

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

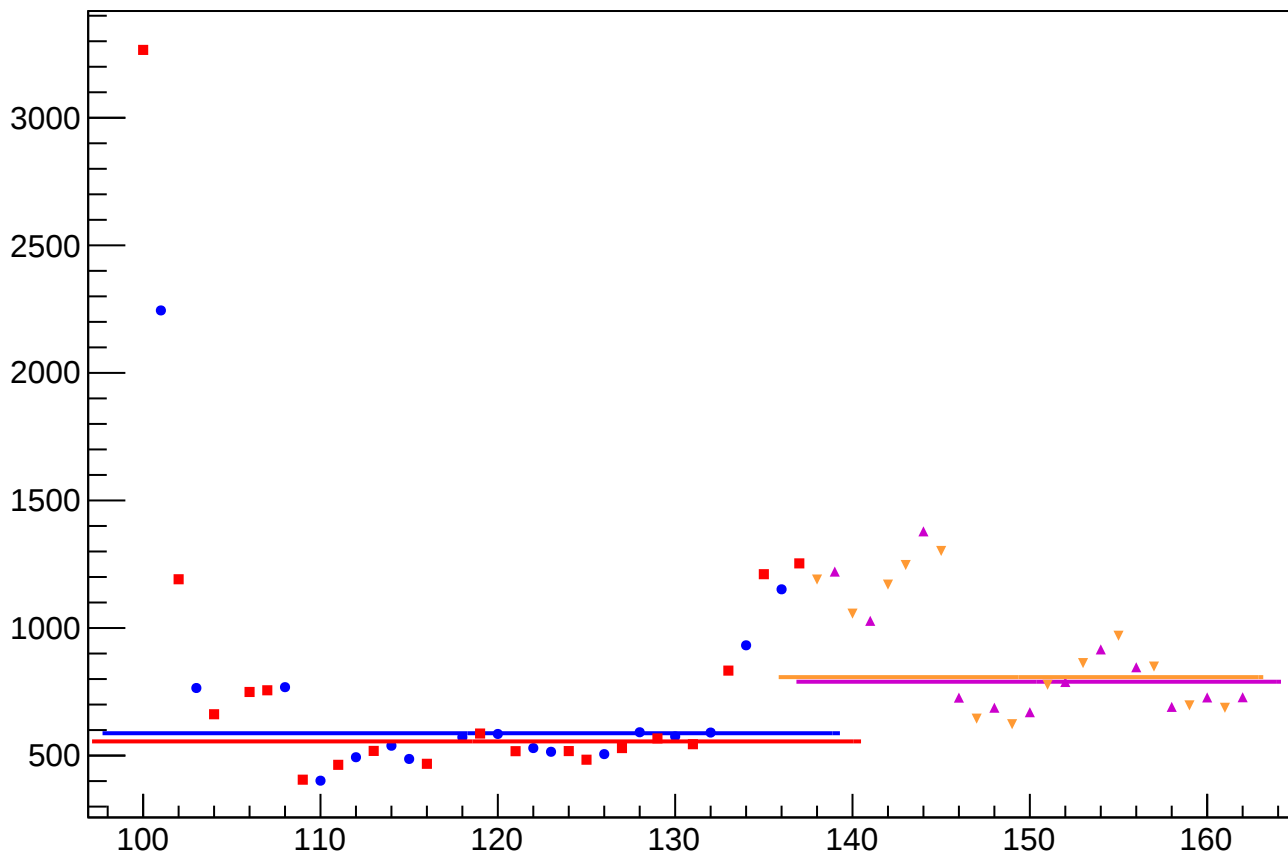
Left In: -207.108 ± 258.820 χ^2/NDF : 5.7/11

+ sign -490.172 ± 179.360 χ^2/NDF : 54.0/29

All: -428.090 ± 122.722 χ^2/NDF : 72.5/60

- sign -373.441 ± 168.281 χ^2/NDF : 18.3/30

asym_atr1_correction_rms vs Slug



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

Left Out: 807.502+/-0.189 χ^2/NDF : 1072189.9/12

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

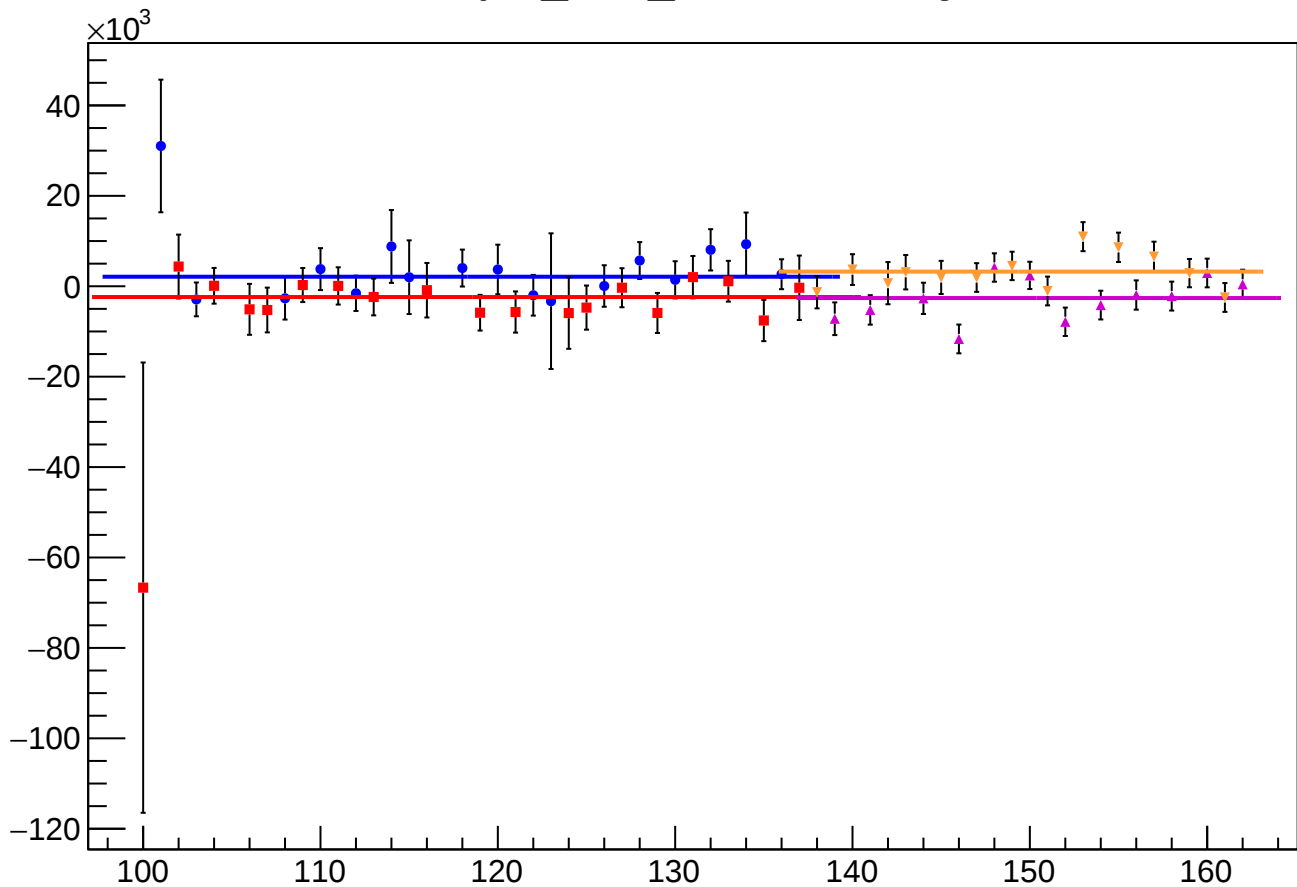
Left In: 789.435+/-0.183 χ^2/NDF : 774600.1/11

+ sign 686.383+/-0.127 χ^2/NDF : 3241818.0/29

All: 669.380+/-0.087 χ^2/NDF : 6099883.7/60

- sign 654.413+/-0.119 χ^2/NDF : 2824271.7/30

asym_atr1_mean vs Slug



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

Left Out: 3241.365 $\pm$ 937.720 χ^2 /NDF: 17.0/12

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

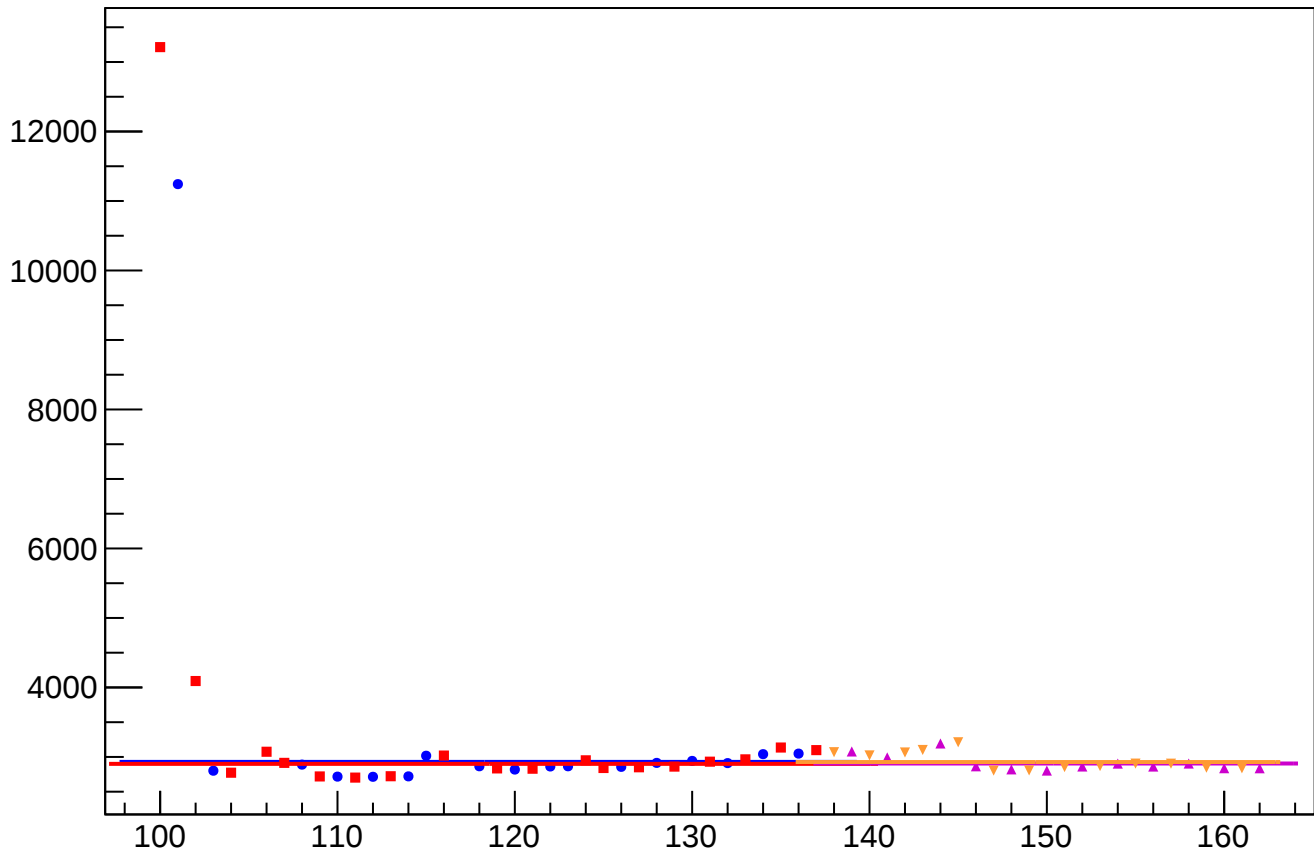
Left In: -2608.292 $\pm$ 931.575 χ^2 /NDF: 24.7/11

+ sign 2795.660 $\pm$ 730.320 χ^2 /NDF: 31.0/29

All: 78.277 $\pm$ 510.414 χ^2 /NDF: 92.8/60

- sign -2516.389 $\pm$ 713.639 χ^2 /NDF: 34.7/30

asym_atr1_rms vs Slug



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

Left Out: 2926.742+/-0.663 χ^2/NDF : 33465.1/12

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

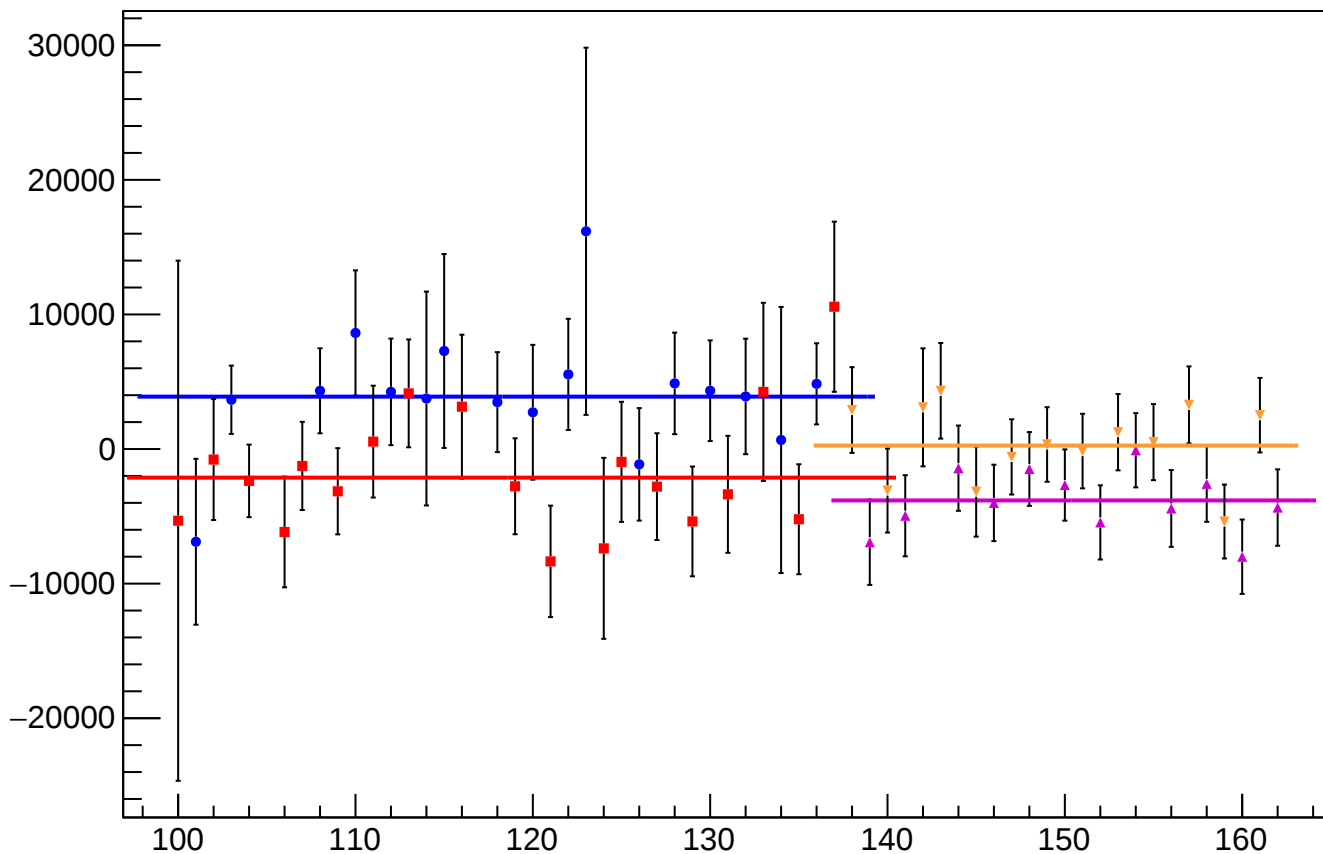
Left In: 2905.596+/-0.659 χ^2/NDF : 26485.9/11

+ sign 2927.512+/-0.516 χ^2/NDF : 695831.4/29

All: 2915.218+/-0.361 χ^2/NDF : 893170.9/60

- sign 2903.479+/-0.505 χ^2/NDF : 196231.5/30

reg_asym_atr2_mean vs Slug



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

Left Out: 258.787 ± 831.765 χ^2/NDF : 10.9/12

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

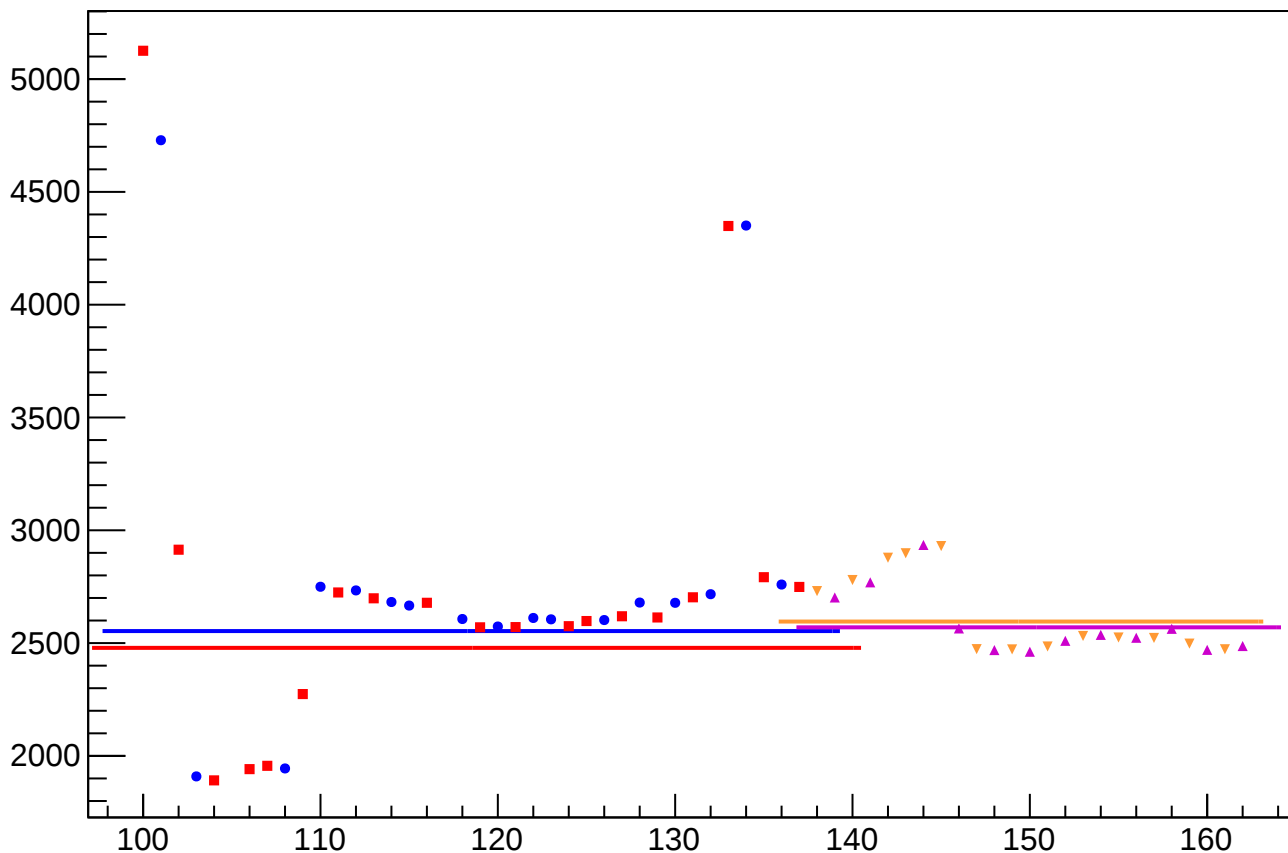
Left In: -3819.755 ± 823.289 χ^2/NDF : 7.3/11

+ sign 1724.284 ± 642.505 χ^2/NDF : 25.7/29

All: -756.380 ± 447.823 χ^2/NDF : 78.1/60

- sign -3100.049 ± 624.512 χ^2/NDF : 23.5/30

reg_asym_atr2_rms vs Slug



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

Left Out: 2595.488+/-0.588 χ^2/NDF : 74428.8/12

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

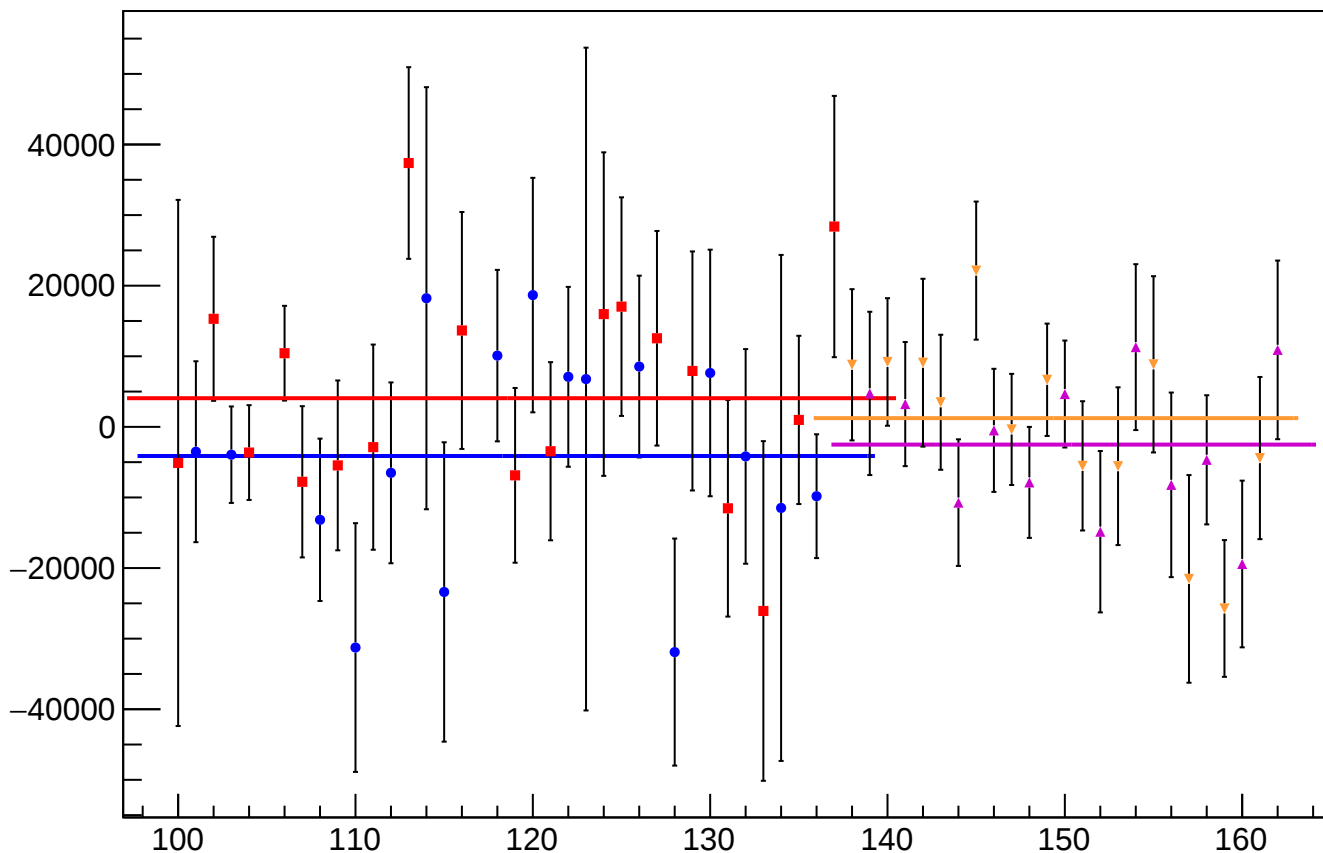
Left In: 2569.836+/-0.582 χ^2/NDF : 50957.1/11

+ sign 2578.465+/-0.454 χ^2/NDF : 621732.7/29

All: 2554.166+/-0.317 χ^2/NDF : 1138125.2/60

- sign 2531.208+/-0.442 χ^2/NDF : 510829.1/30

asym_atr2_correction_mean vs Slug



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

Left Out: 1237.533 ± 2767.356 $\chi^2/\text{NDF}: 18.5/12$

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

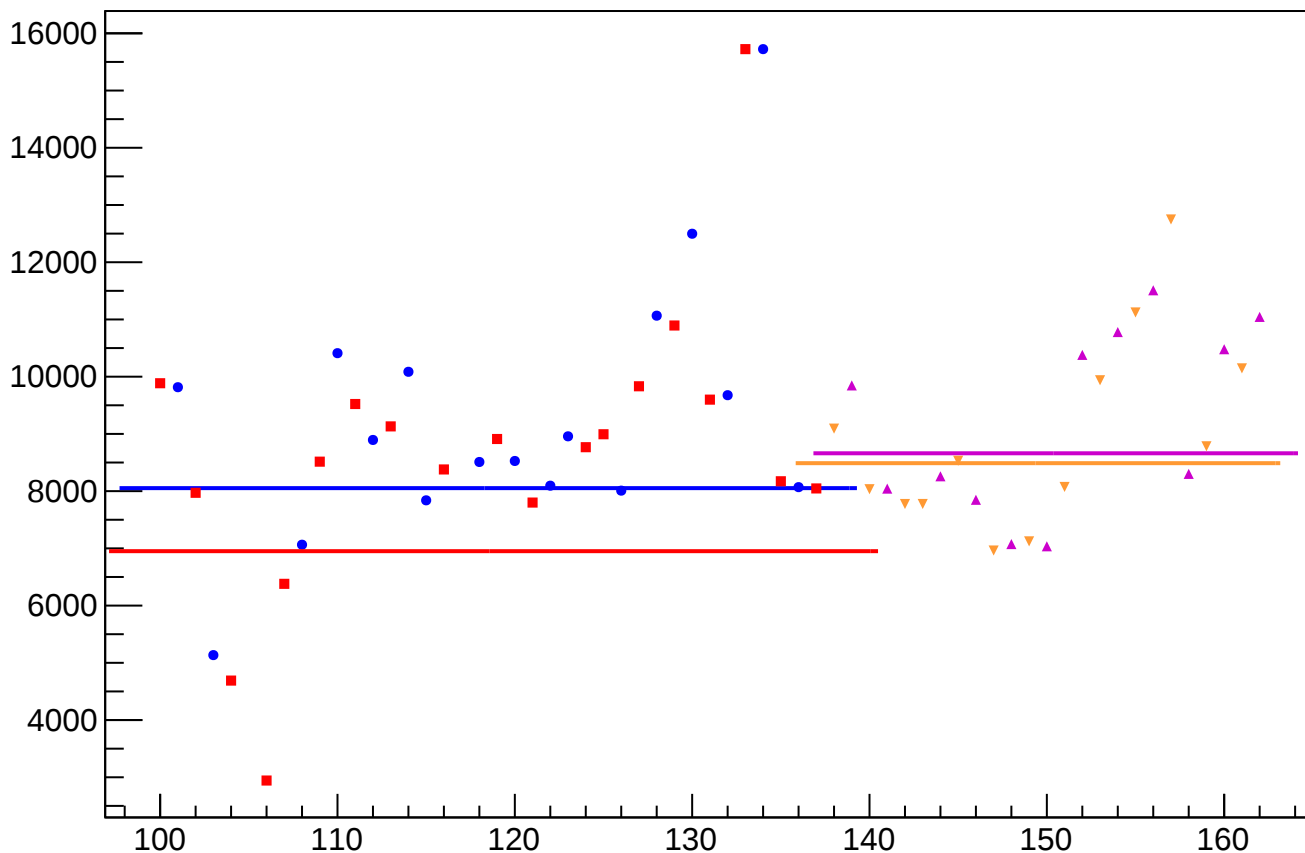
Left In: -2512.345 ± 2820.248 $\chi^2/\text{NDF}: 9.0/11$

+ sign -1035.464 ± 2100.709 $\chi^2/\text{NDF}: 33.5/29$

All: -94.540 ± 1448.195 $\chi^2/\text{NDF}: 64.1/60$

- sign 757.627 ± 1999.175 $\chi^2/\text{NDF}: 30.2/30$

asym_atr2_correction_rms vs Slug



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

Left Out: 8488.713 $\pm$ 1.957 χ^2 /NDF: 501853.3/12

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

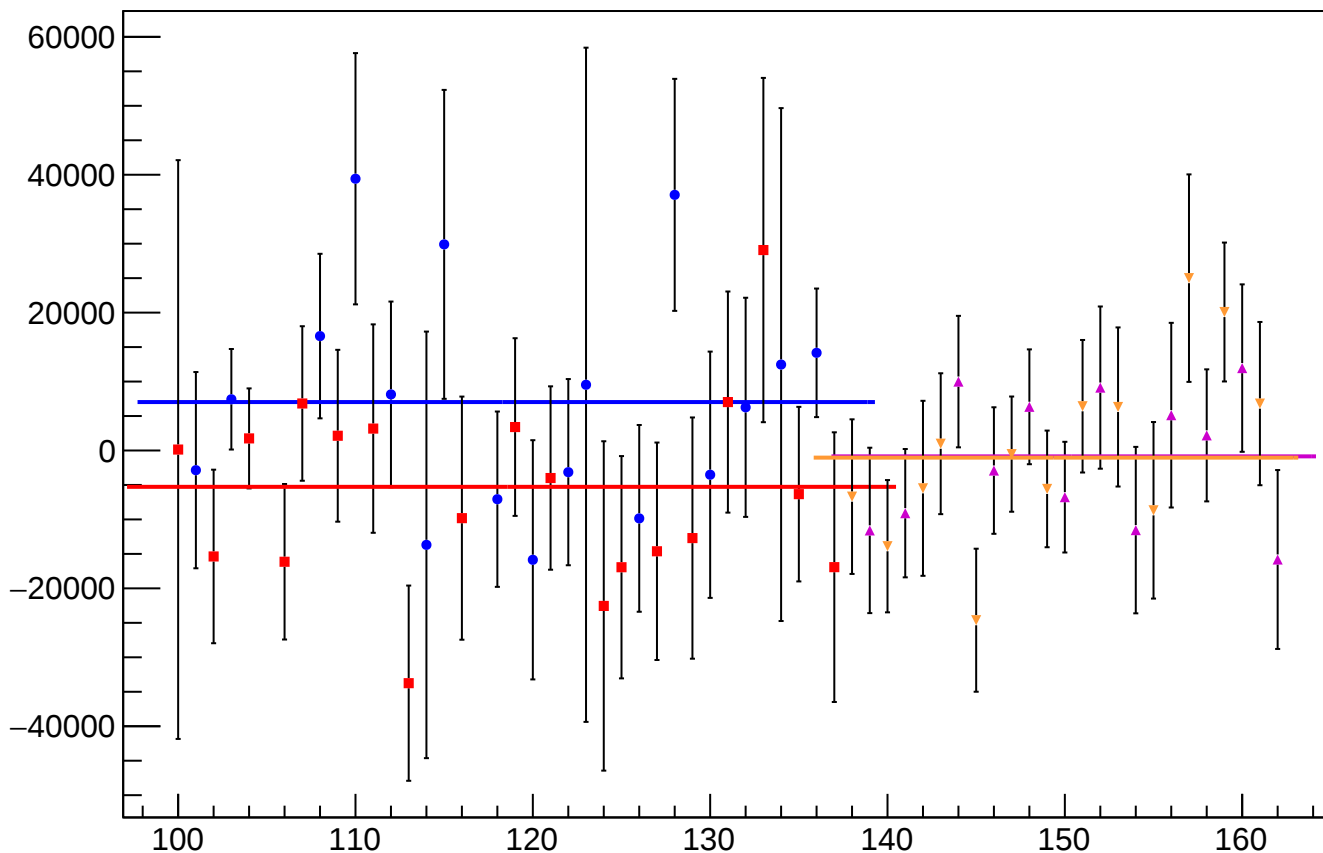
Left In: 8661.517 $\pm$ 1.994 χ^2 /NDF: 552441.4/11

+ sign 8303.884 $\pm$ 1.485 χ^2 /NDF: 1313630.6/29

All: 8044.975 $\pm$ 1.024 χ^2 /NDF: 4066596.5/60

- sign 7810.489 $\pm$ 1.414 χ^2 /NDF: 2695071.0/30

asym_atr2_mean vs Slug



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

Left Out: -1034.932+/-2910.923 χ^2/NDF : 16.9/12

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

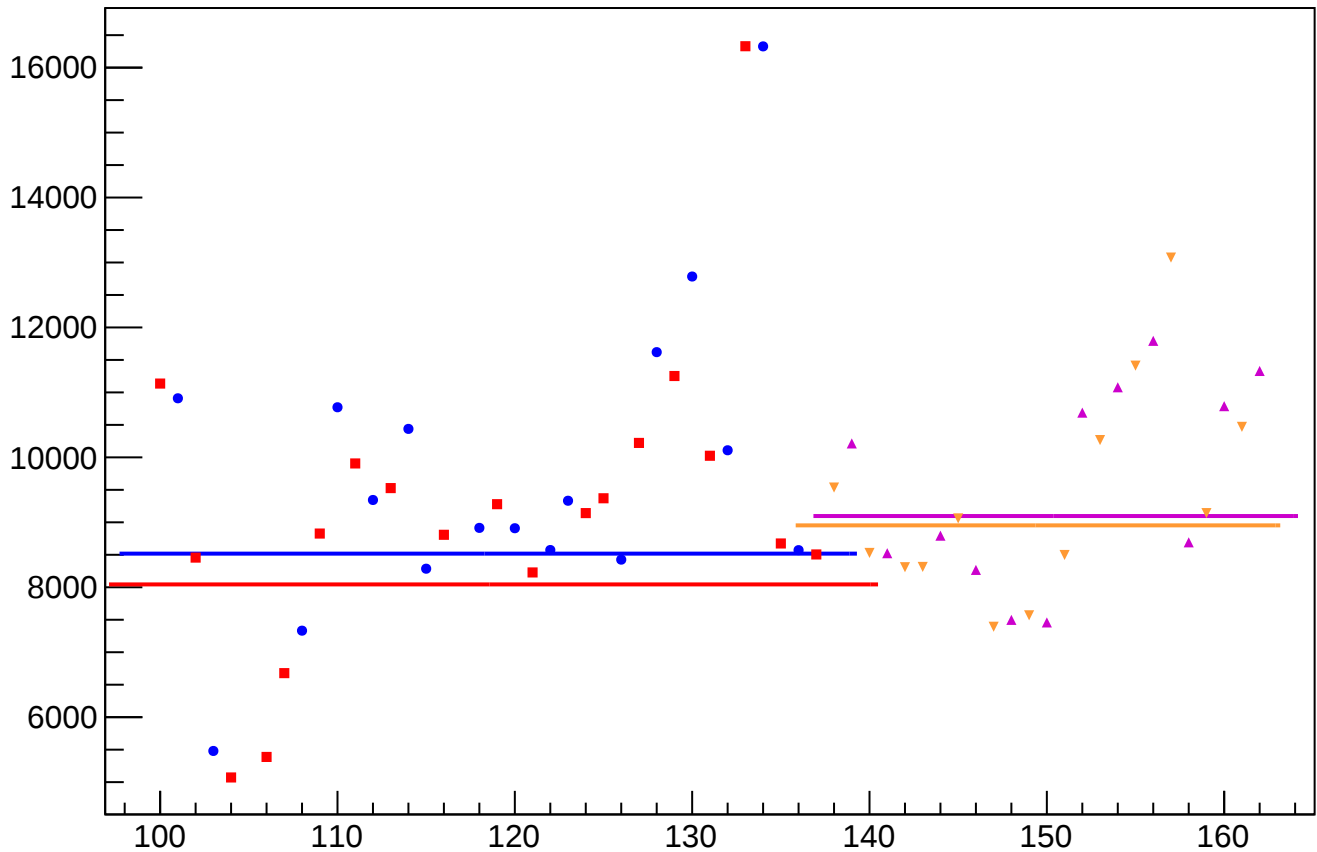
Left In: -851.416+/-2954.370 χ^2/NDF : 8.5/11

+ sign 2363.350+/-2213.822 χ^2/NDF : 35.1/29

All: -336.032+/-1546.284 χ^2/NDF : 60.9/60

- sign -2907.414+/-2160.696 χ^2/NDF : 22.9/30

asym_atr2_rms vs Slug



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

Left Out: 8953.066+/-2.058 χ^2 /NDF: 433621.7/12

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

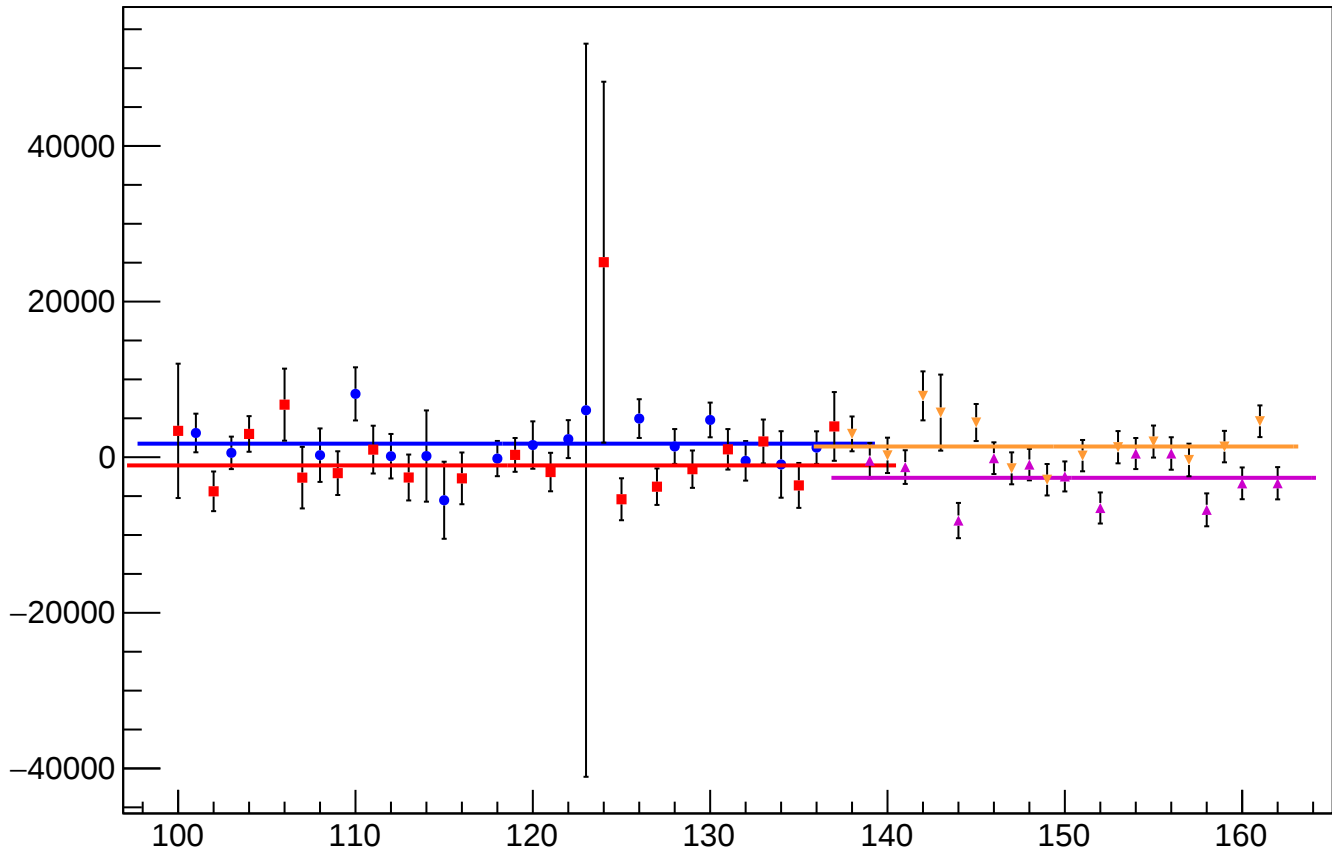
Left In: 9096.755+/-2.089 χ^2 /NDF: 473423.2/11

+ sign 8769.592+/-1.565 χ^2 /NDF: 1215748.8/29

All: 8686.361+/-1.093 χ^2 /NDF: 2764941.2/60

- sign 8607.080+/-1.528 χ^2 /NDF: 1543672.7/30

reg_asym_atl_avg_mean vs Slug



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

Left Out: 1374.991+/-617.397 χ^2/NDF : 17.5/12

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

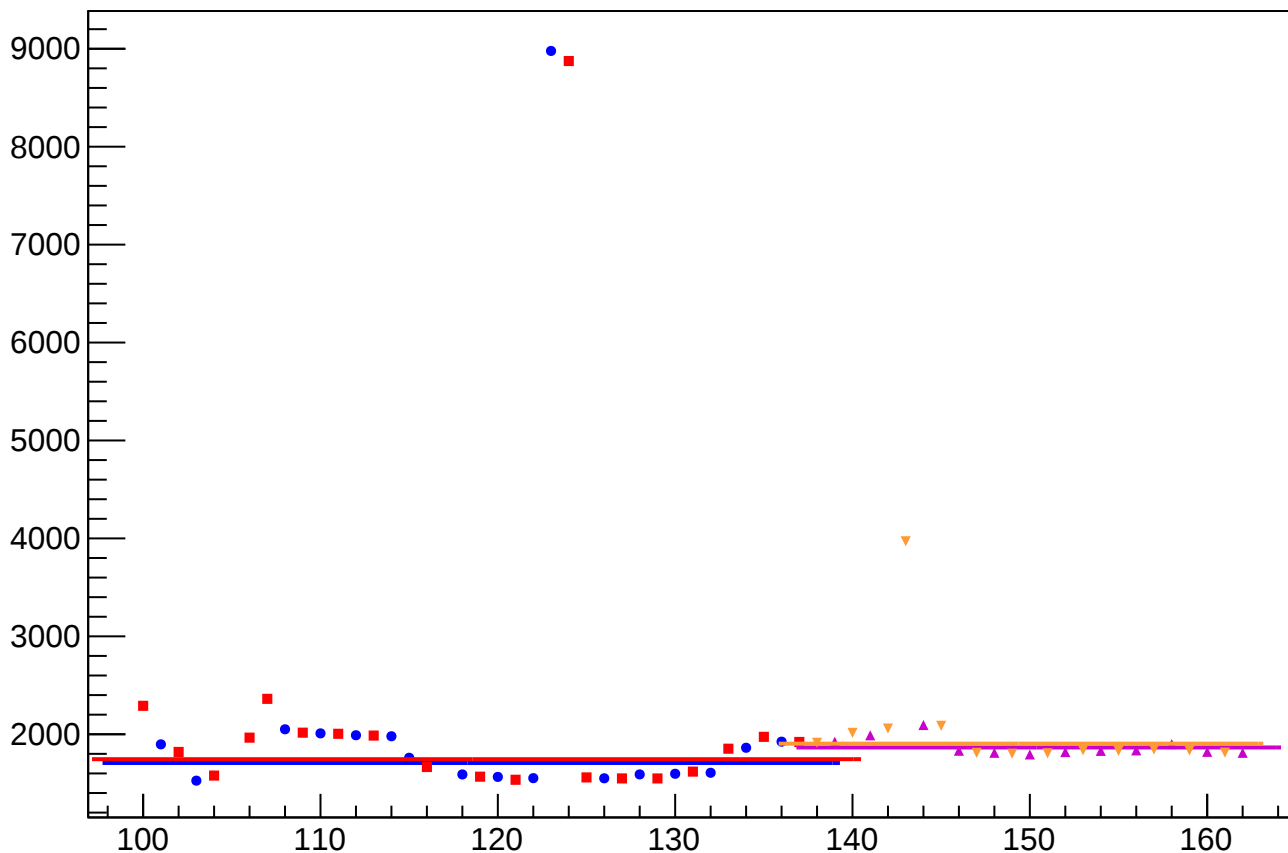
Left In: -2650.284+/-599.470 χ^2/NDF : 21.9/11

+ sign 1542.334+/-454.148 χ^2/NDF : 30.1/29

All: -227.513+/-318.589 χ^2/NDF : 104.0/60

- sign -1942.417+/-447.043 χ^2/NDF : 43.9/30

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1904.028+/-0.437 χ^2/NDF : 405634.5/12

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

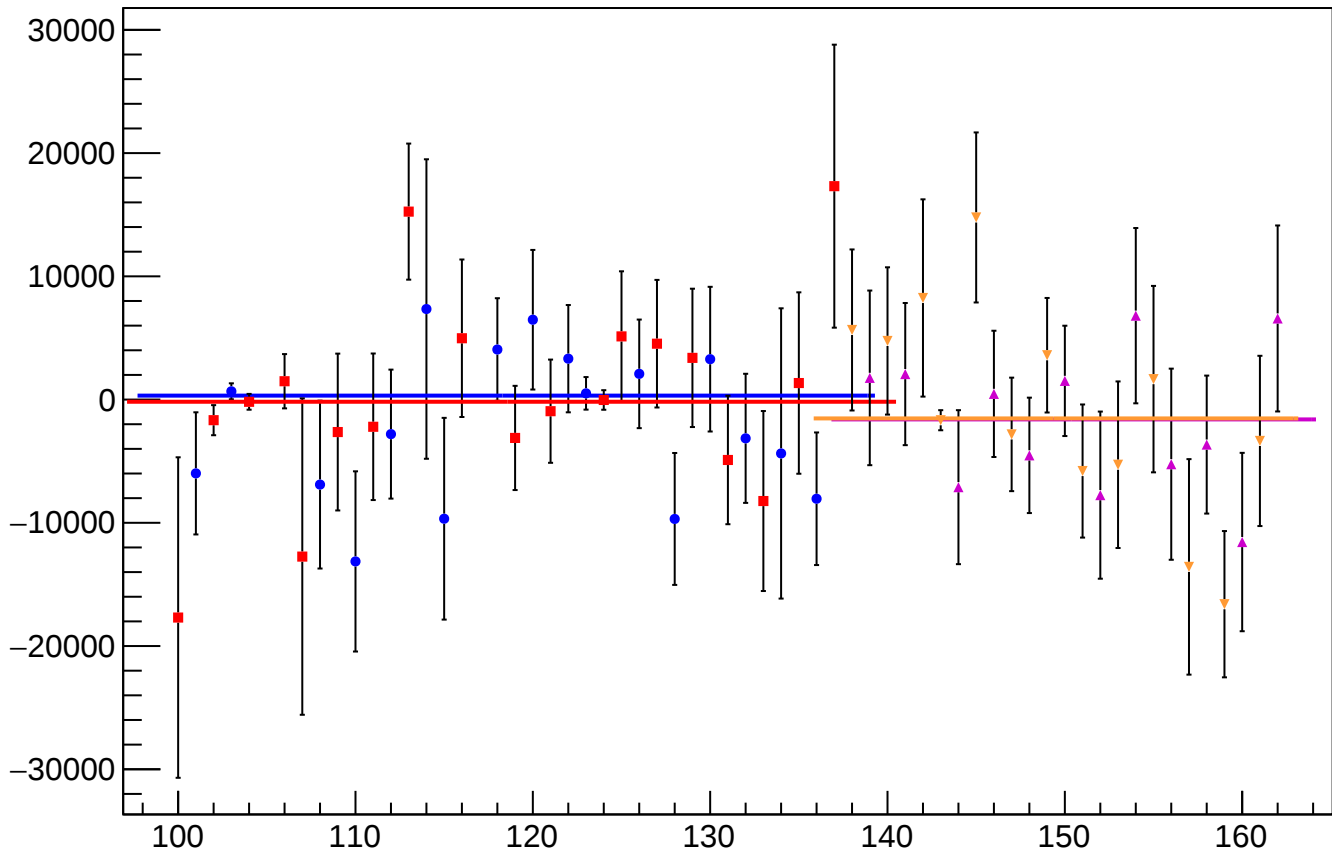
Left In: 1865.020+/-0.424 χ^2/NDF : 38035.6/11

+ sign 1813.548+/-0.321 χ^2/NDF : 696789.6/29

All: 1812.594+/-0.225 χ^2/NDF : 1170158.5/60

- sign 1811.673+/-0.315 χ^2/NDF : 473351.6/30

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1529.793 $\pm$ 740.393 χ^2 /NDF:20.3/12

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

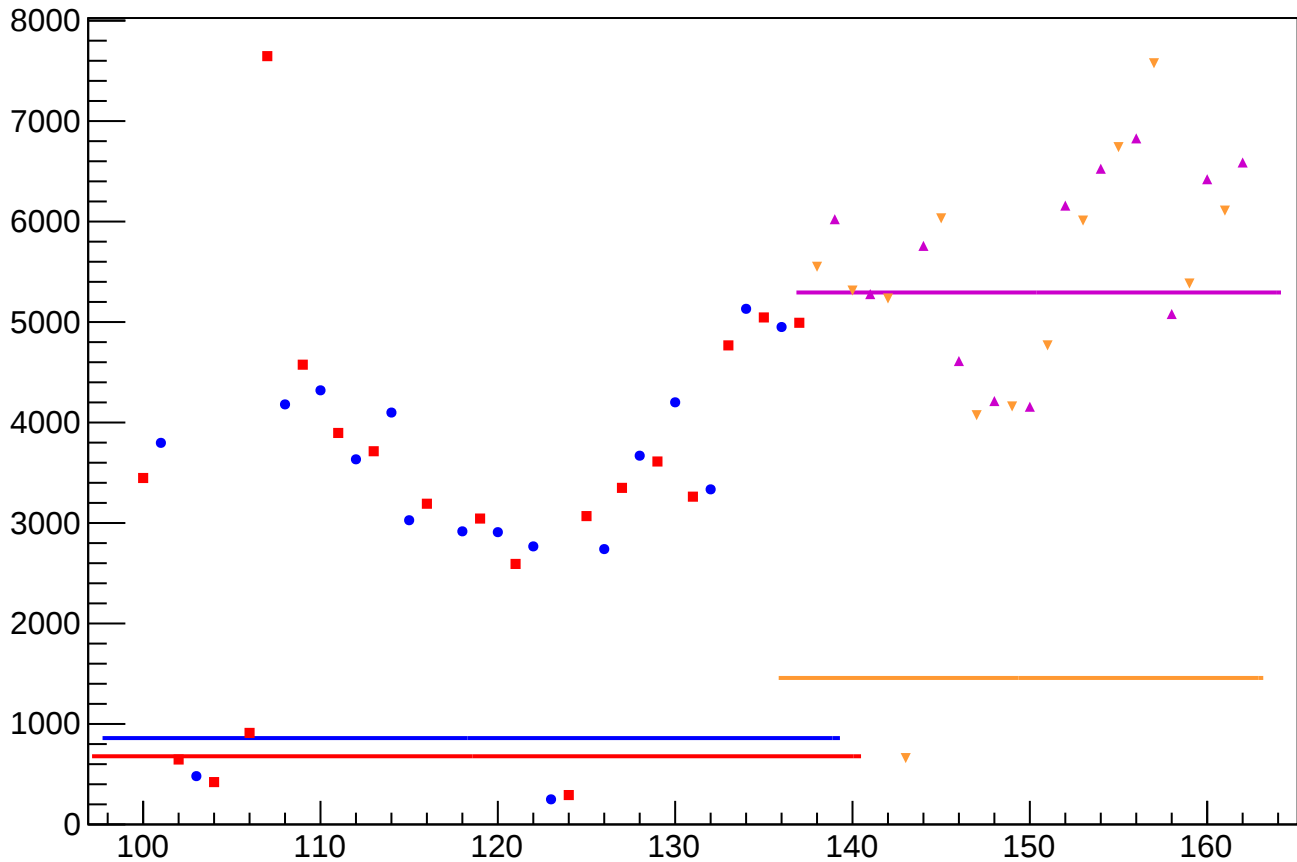
Left In: -1610.217 $\pm$ 1725.404 χ^2 /NDF:8.1/11

+ sign -322.318 $\pm$ 436.490 χ^2 /NDF: 42.3/29

All: -290.918 $\pm$ 302.826 χ^2 /NDF: 71.8/60

- sign -261.779 $\pm$ 420.480 χ^2 /NDF: 29.5/30

asym_atl_avg_correction_rms vs Slug



Right In: 859.557+/-0.382 χ^2/NDF : 8143264.5/16

Left Out: 1457.951+/-0.524 χ^2/NDF : 11573324.4/12

+ sign 1067.532+/-0.309 χ^2/NDF : 20568949.0/29

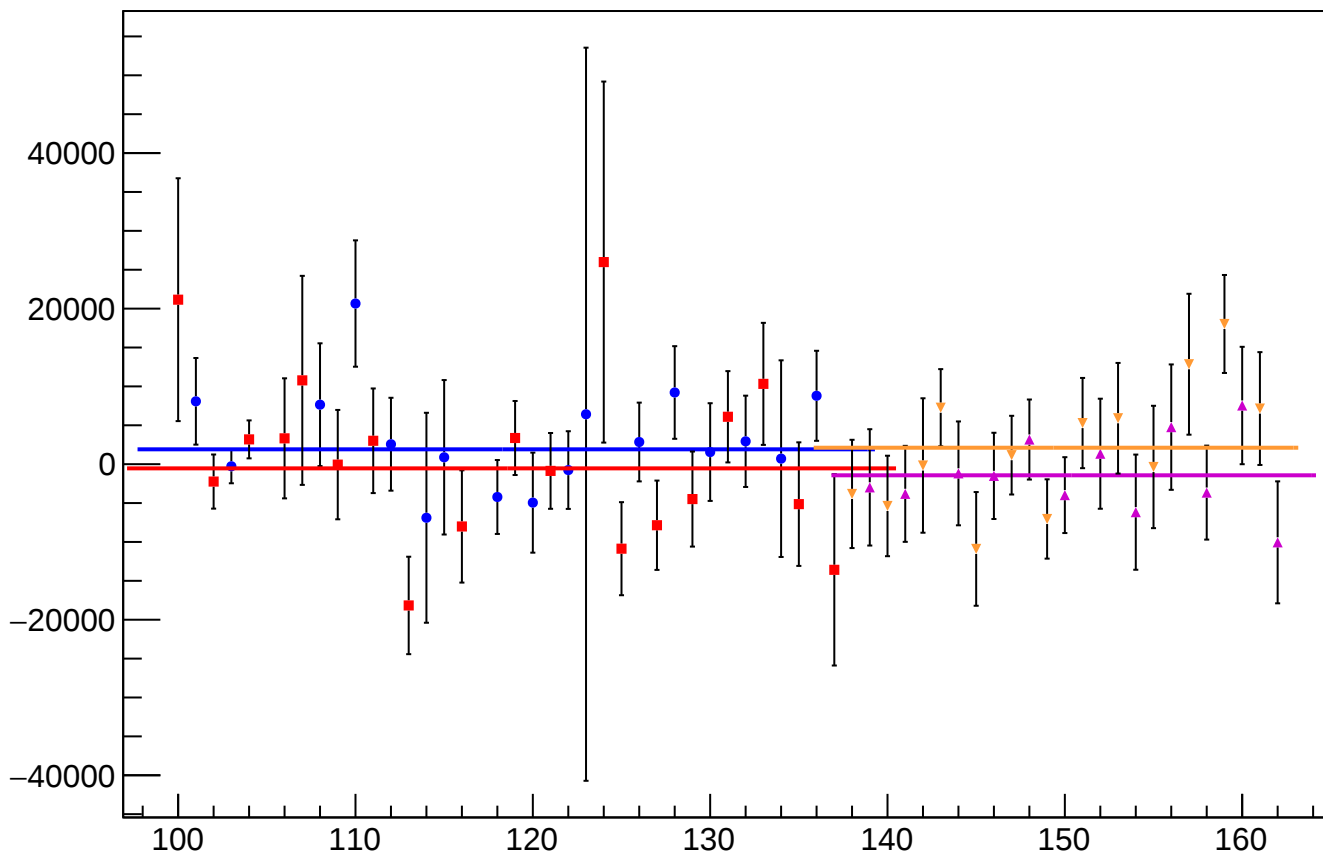
Right Out: 678.603+/-0.307 χ^2/NDF : 8384814.2/18

All: 1007.979+/-0.214 χ^2/NDF : 43071112.5/6

- sign 952.714+/-0.297 χ^2/NDF : 22430385.1/30

Left In: 5294.084+/-1.220 χ^2/NDF : 584105.1/11

asym_atl_avg_mean vs Slug



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

Left Out: 2115.154+/-1776.382 χ^2/NDF : 18.6/12

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

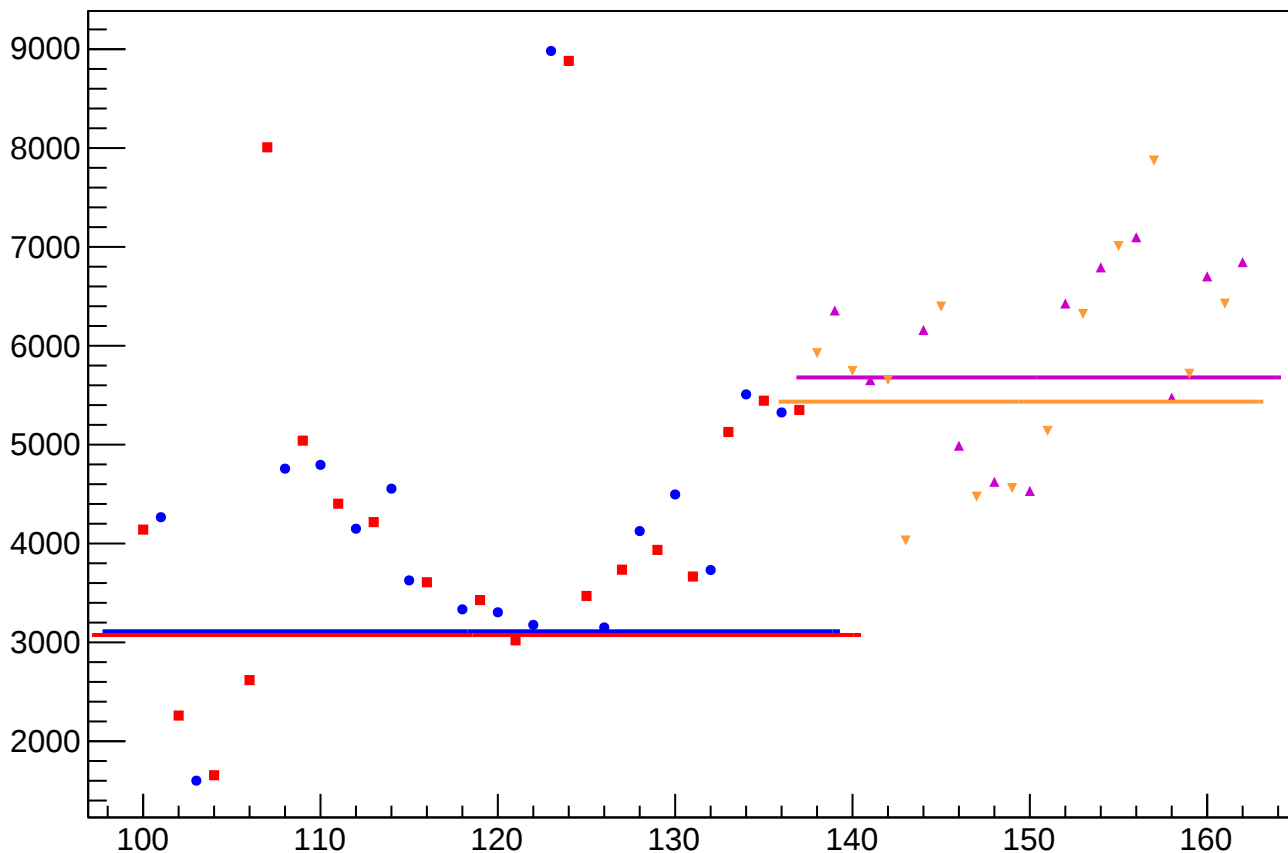
Left In: -1430.902+/-1845.219 χ^2/NDF : 5.2/11

+ sign 1981.862+/-1054.429 χ^2/NDF : 33.2/29

All: 576.173+/-745.777 χ^2/NDF : 68.5/60

- sign -830.899+/-1054.948 χ^2/NDF : 31.7/30

asym_atl_avg_rms vs Slug



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

Left Out: 5434.768 ± 1.256 χ^2/NDF : 644415.7/12

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

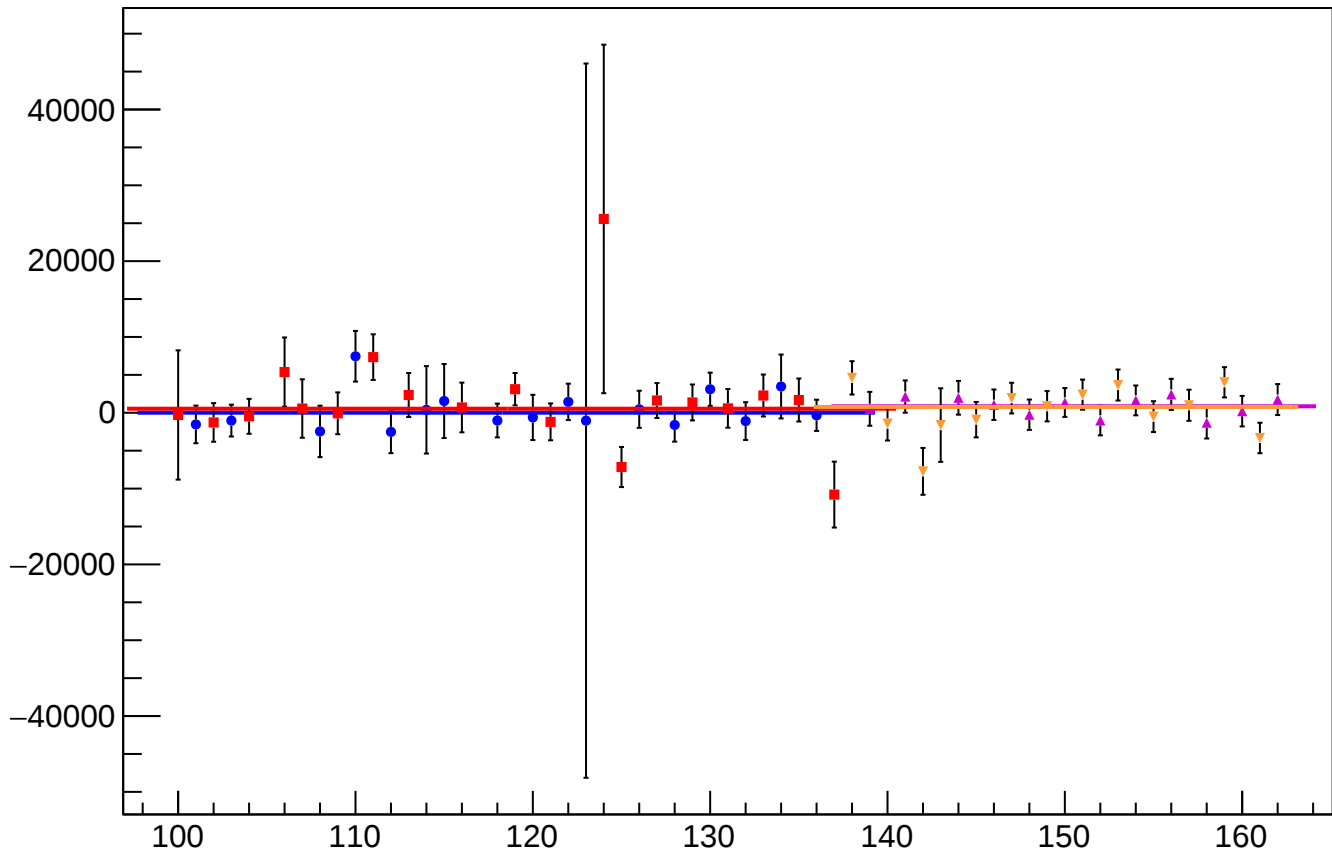
Left In: 5679.836 ± 1.305 χ^2/NDF : 465527.2/11

+ sign 3930.286 ± 0.746 χ^2/NDF : 4739023.0/29

All: 3919.871 ± 0.525 χ^2/NDF : 9919331.7/60

- sign 3909.649 ± 0.739 χ^2/NDF : 5179922.0/30

reg_asym_atl_dd_mean vs Slug



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

Left Out: 773.192+/-608.179 χ^2/NDF : 22.5/12

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

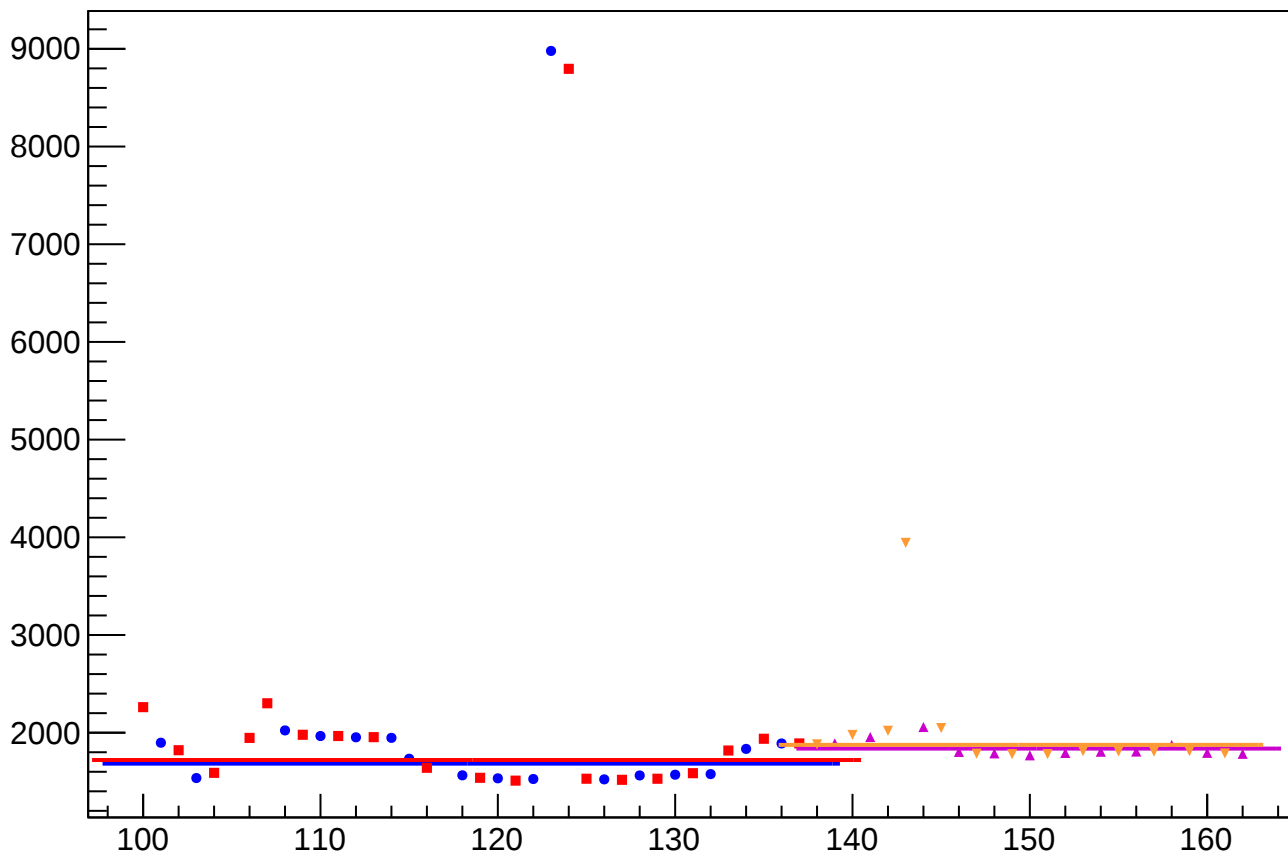
Left In: 856.311+/-590.567 χ^2/NDF : 4.0/11

+ sign 425.249+/-447.589 χ^2/NDF : 34.4/29

All: 572.362+/-313.935 χ^2/NDF : 65.4/60

- sign 714.814+/-440.440 χ^2/NDF : 30.8/30

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1875.503+/-0.430 χ^2/NDF : 407635.2/12

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

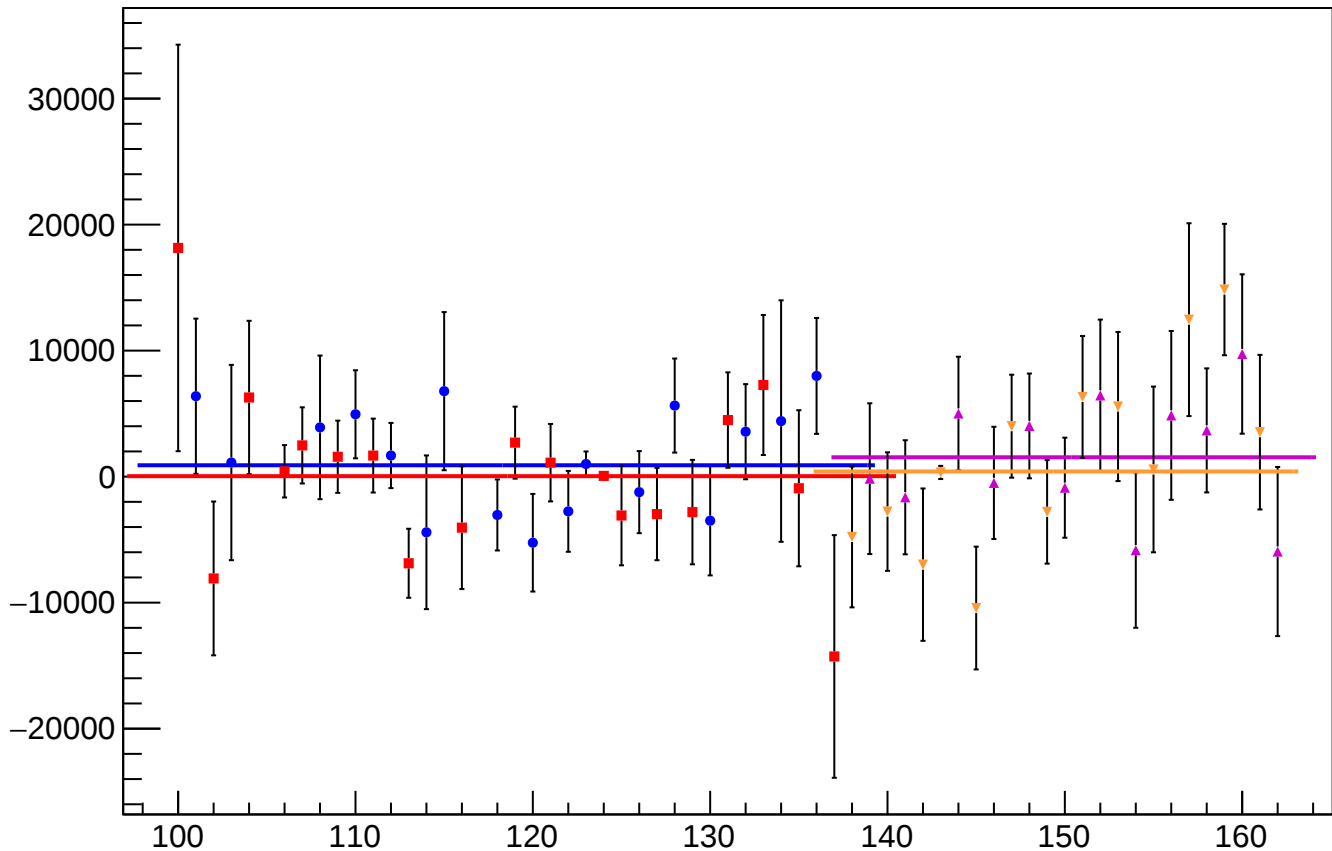
Left In: 1837.360+/-0.418 χ^2/NDF : 36355.9/11

+ sign 1787.382+/-0.316 χ^2/NDF : 695129.1/29

All: 1786.268+/-0.222 χ^2/NDF : 1162603.5/60

- sign 1785.194+/-0.311 χ^2/NDF : 467450.1/30

asym_atl_dd_correction_mean vs Slug



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

Left Out: 409.313+/-493.618 χ^2/NDF : 21.8/12

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

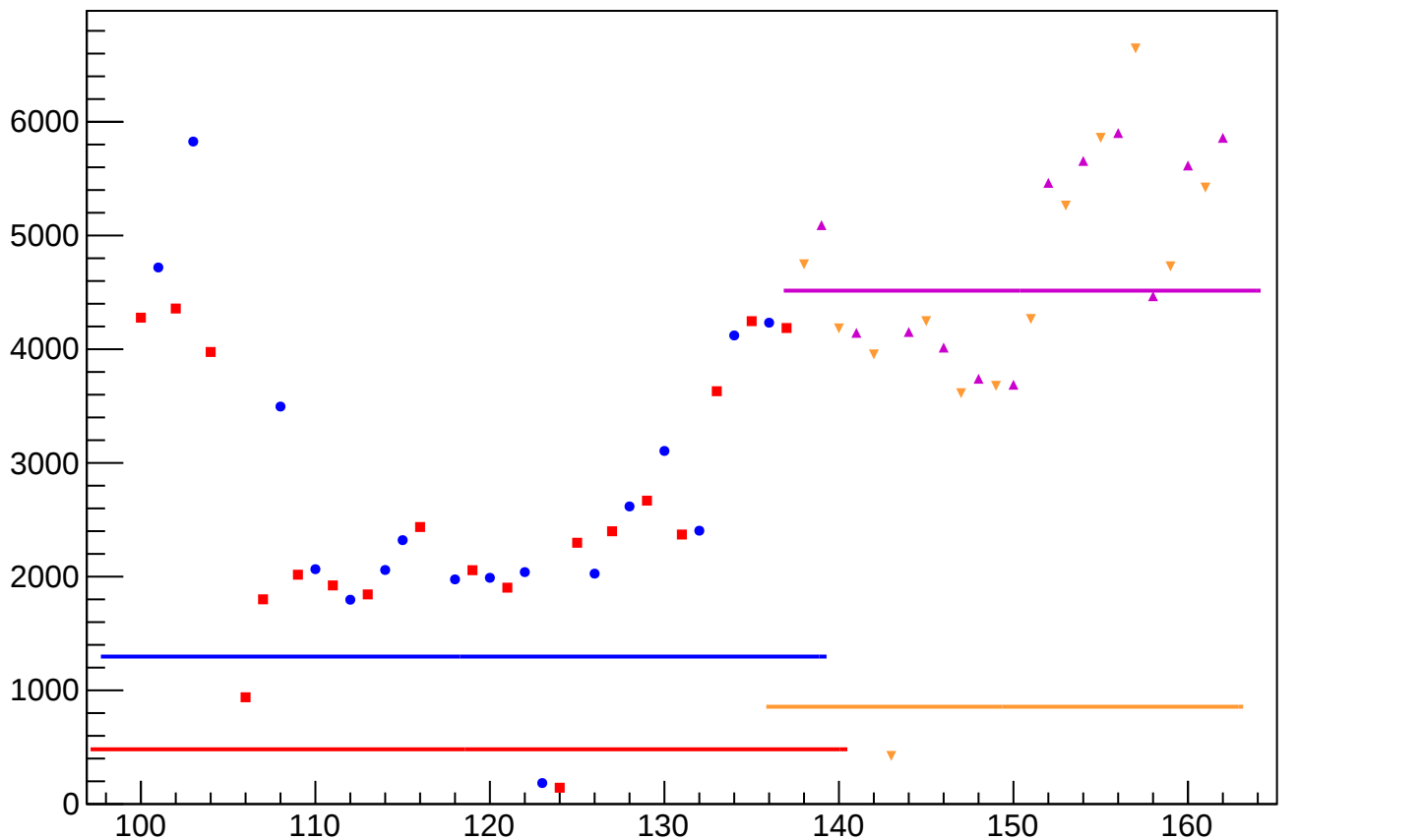
Left In: 1535.748+/-1470.503 χ^2/NDF : 7.6/11

+ sign 571.657+/-404.462 χ^2/NDF : 38.2/29

All: 312.453+/-263.397 χ^2/NDF : 67.9/60

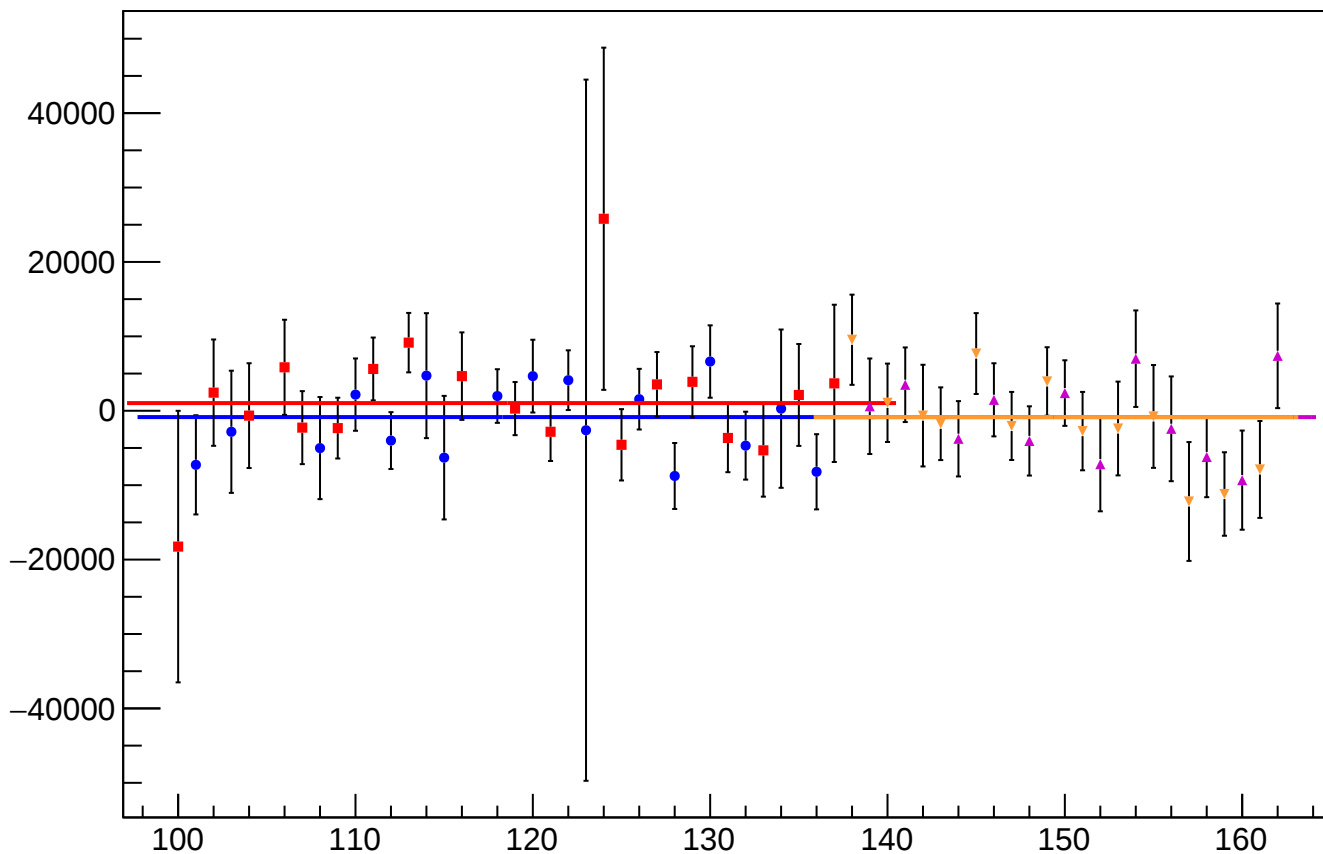
- sign 121.575+/-347.085 χ^2/NDF : 29.0/30

asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499	χ^2/NDF : 6509608.5/16	+ sign 1000.815+/-0.286	χ^2/NDF : 20346378.7/29
Left Out: 855.845+/-0.349	χ^2/NDF : 13311814.6/12	All: 831.196+/-0.186	χ^2/NDF : 45882221.8/60
Right Out: 481.577+/-0.253	χ^2/NDF : 10144170.1/18	- sign 706.289+/-0.245	χ^2/NDF : 24925081.9/30
Left In: 4515.125+/-1.040	χ^2/NDF : 571455.1/11		

asym_atl_dd_mean vs Slug



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

Left Out: -847.918 ± 1564.241 χ^2/NDF : 13.5/12

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

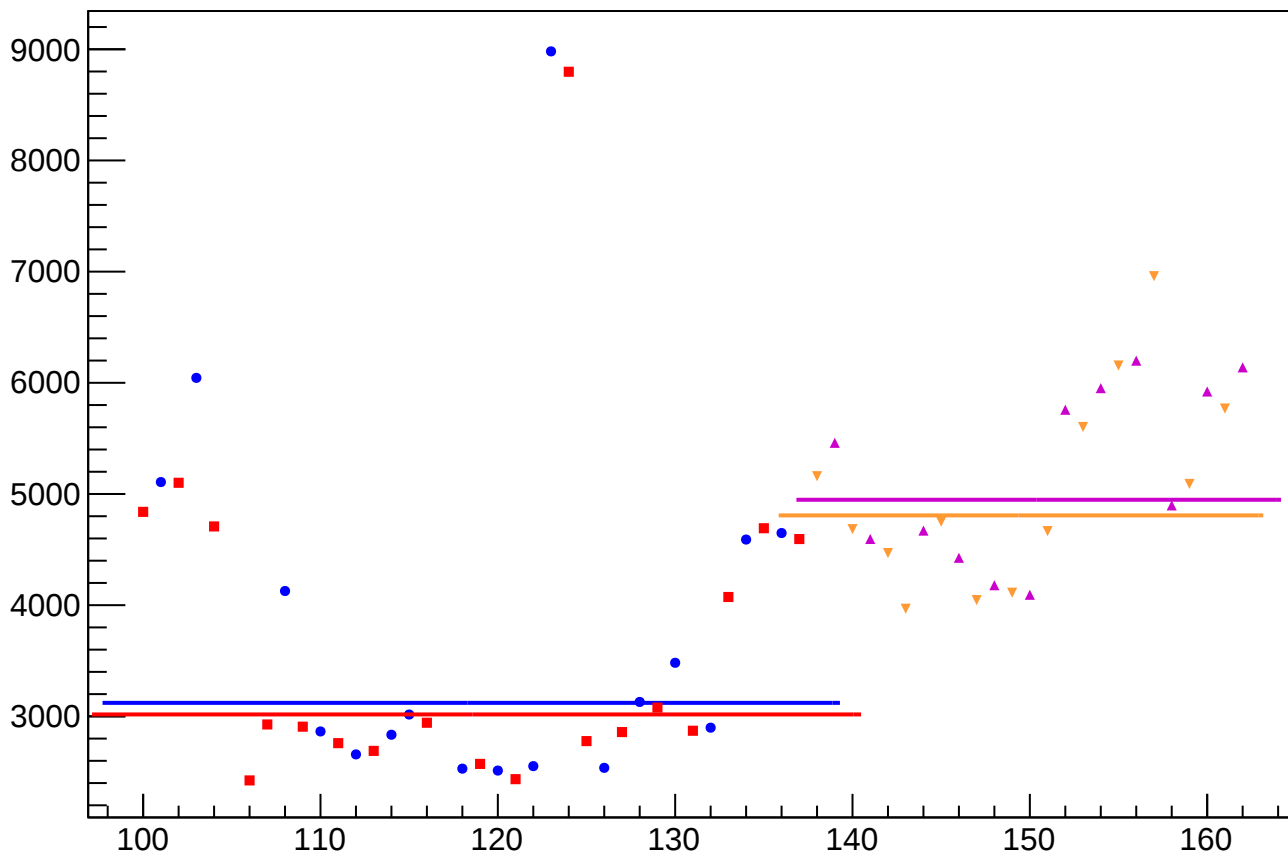
Left In: -852.953 ± 1605.309 χ^2/NDF : 8.9/11

+ sign -848.799 ± 981.740 χ^2/NDF : 28.9/29

All: -226.623 ± 685.042 χ^2/NDF : 54.5/60

- sign 363.789 ± 956.352 χ^2/NDF : 24.7/30

asym_atl_dd_rms vs Slug



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

Left Out: 4807.598 ± 1.106 χ^2/NDF : 476433.0/12

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

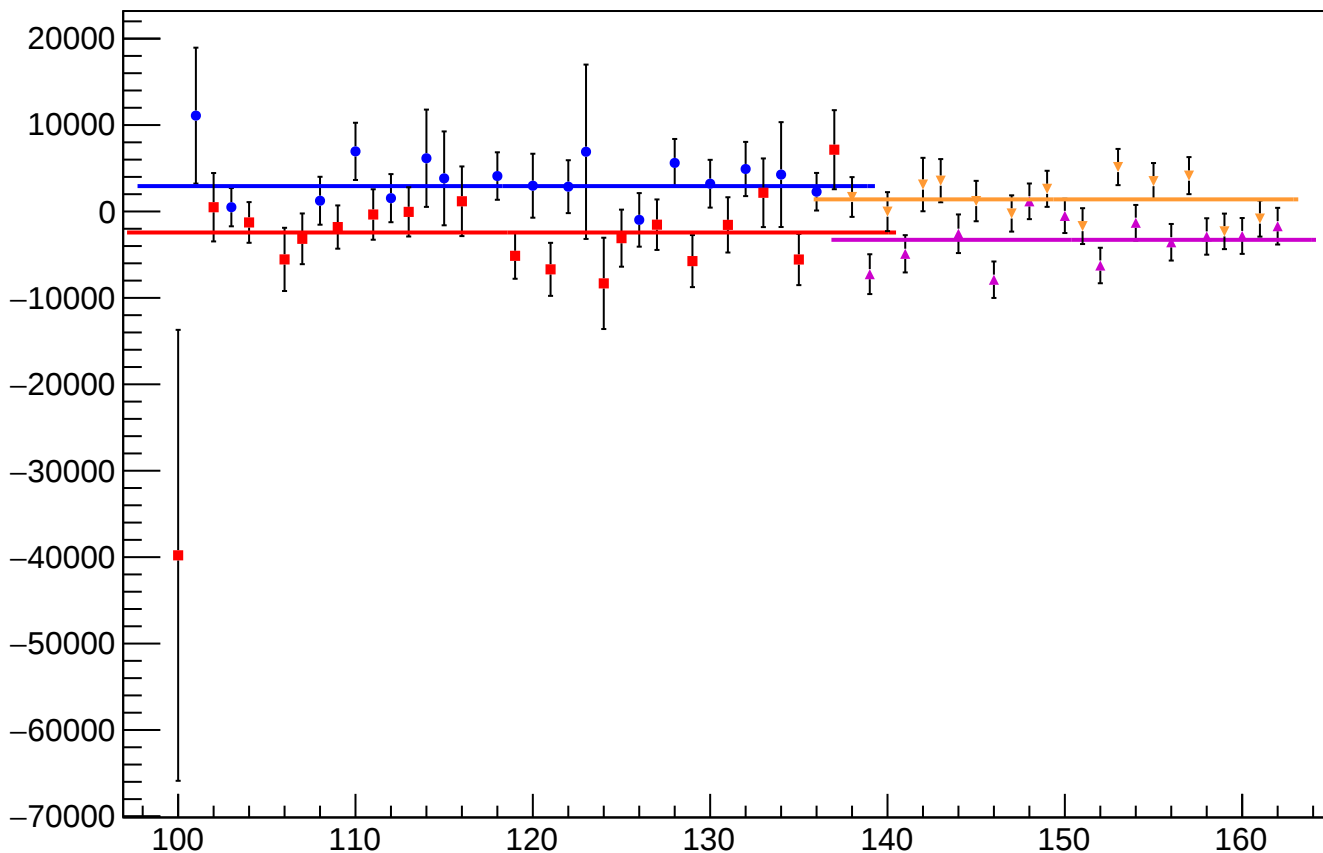
Left In: 4948.069 ± 1.135 χ^2/NDF : 425024.2/11

+ sign 3785.598 ± 0.694 χ^2/NDF : 2830707.6/29

All: 3736.916 ± 0.482 χ^2/NDF : 5940289.3/60

- sign 3691.462 ± 0.671 χ^2/NDF : 3100071.9/30

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1400.636 $\pm$ 612.960 χ^2 /NDF:14.9/12

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

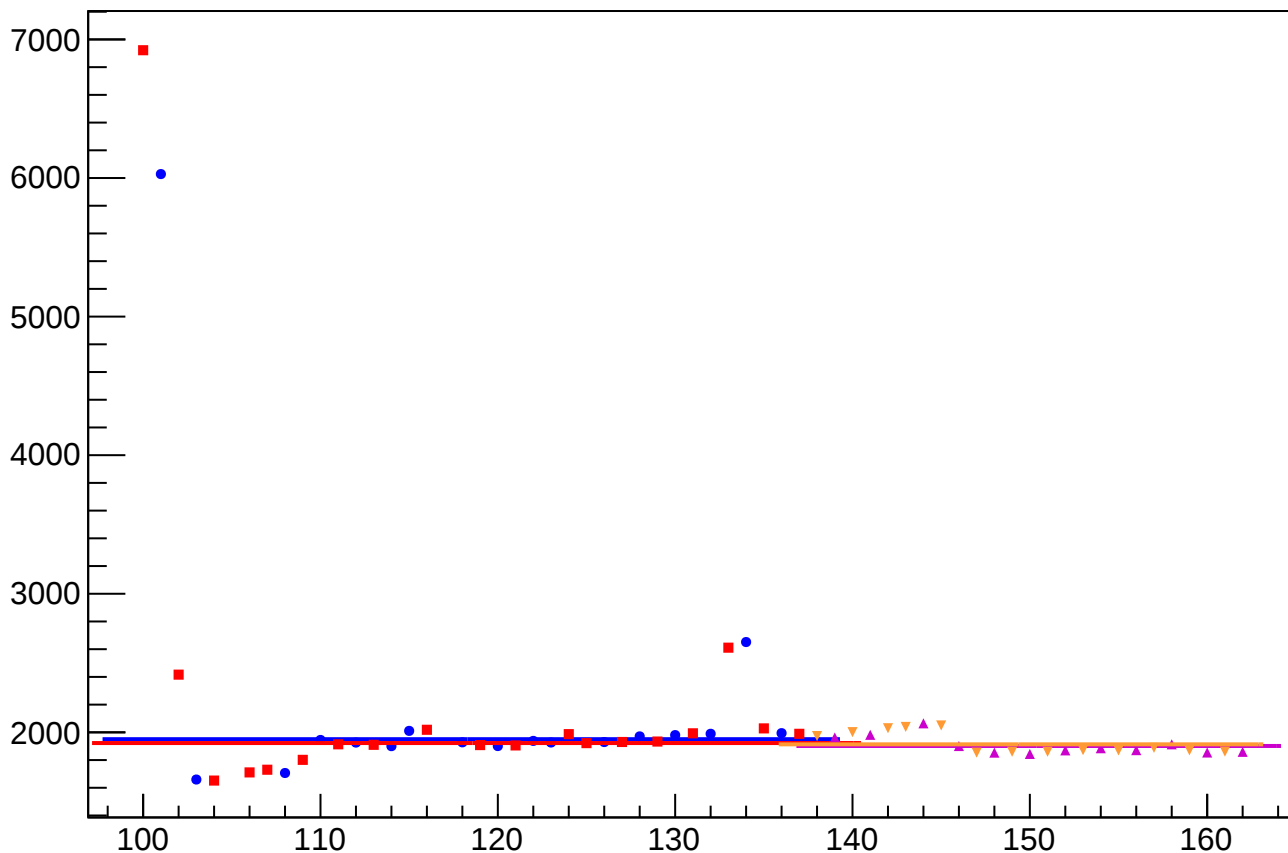
Left In: -3281.262 $\pm$ 609.395 χ^2 /NDF:18.7/11

+ sign 1991.071 $\pm$ 480.851 χ^2 /NDF: 25.4/29

All: -527.279 $\pm$ 336.302 χ^2 /NDF: 116.8/60

- sign -2938.602 $\pm$ 470.523 χ^2 /NDF: 37.7/30

reg_asym_atr_avg_rms vs Slug



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

Left Out: 1913.407 ± 0.433 χ^2/NDF : 27466.4/12

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

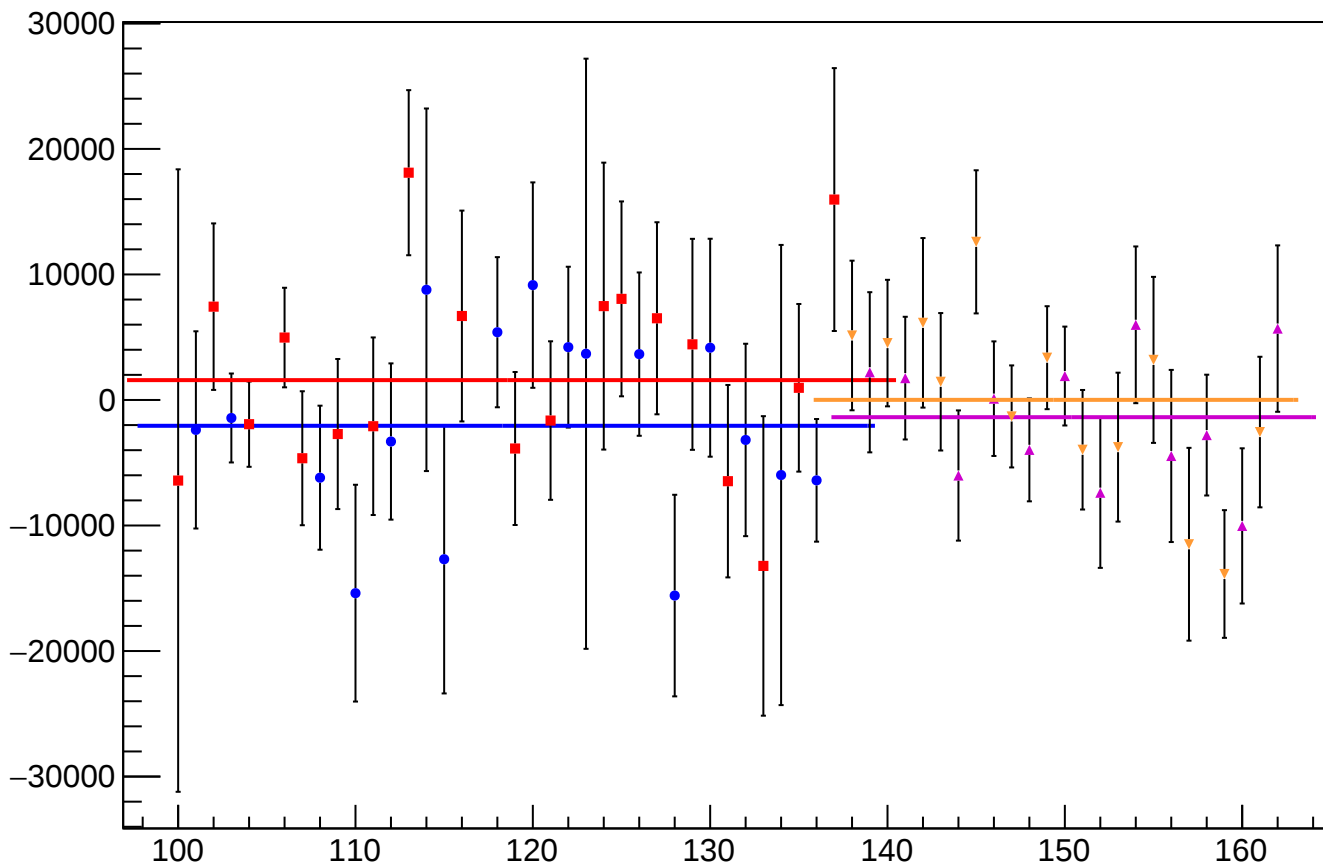
Left In: 1901.667 ± 0.431 χ^2/NDF : 20541.1/11

+ sign 1927.717 ± 0.340 χ^2/NDF : 647632.9/29

All: 1918.763 ± 0.238 χ^2/NDF : 887899.9/60

- sign 1910.206 ± 0.332 χ^2/NDF : 238910.7/30

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876 ± 1661.079 χ^2/NDF : 14.0/16

Left Out: 9.066 ± 1486.752 χ^2/NDF : 19.3/12

Right Out: 1580.717 ± 1477.405 χ^2/NDF : 18.6/18

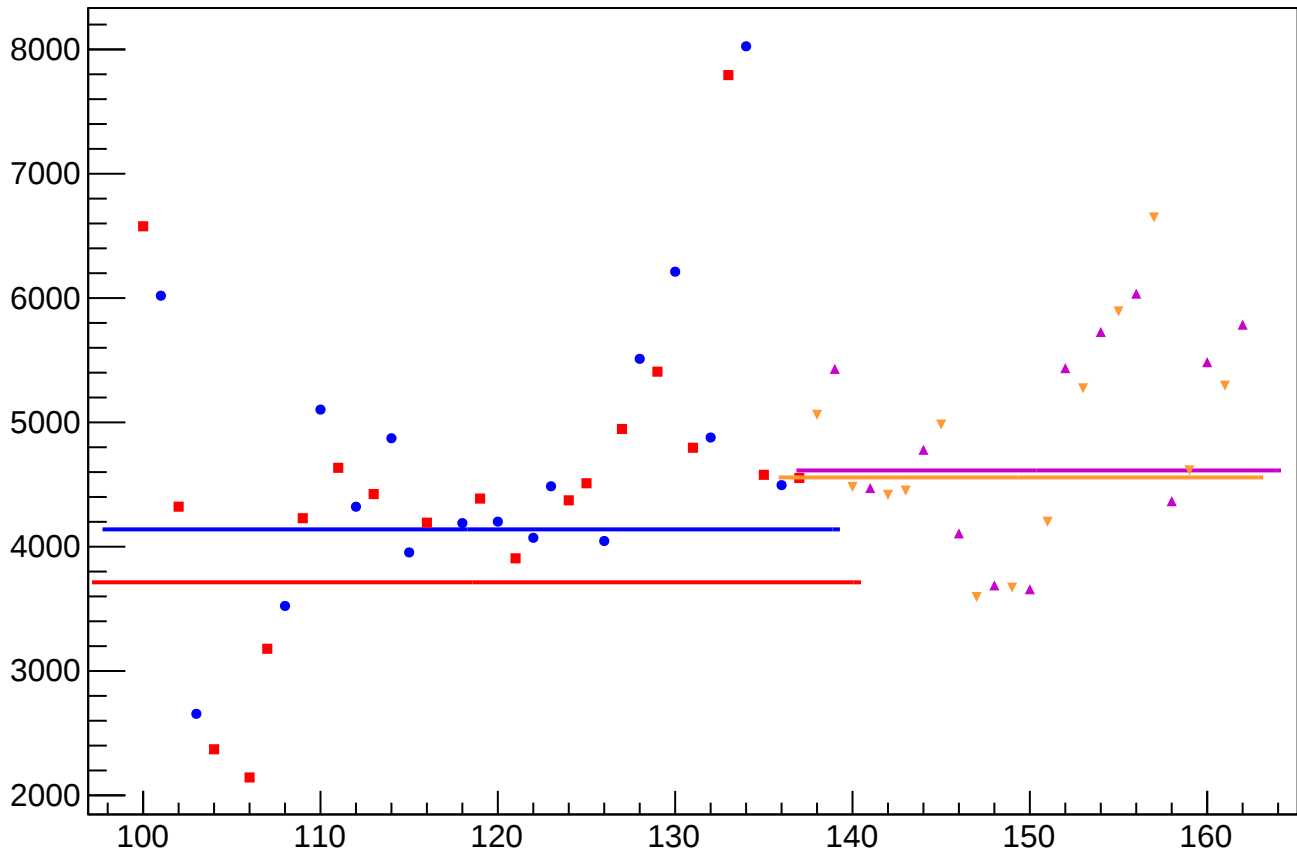
Left In: -1371.116 ± 1503.223 χ^2/NDF : 8.5/11

+ sign -909.843 ± 1107.815 χ^2/NDF : 34.1/29

All: -363.708 ± 763.490 χ^2/NDF : 63.6/60

- sign 130.367 ± 1053.692 χ^2/NDF : 29.1/30

asym_atr_avg_correction_rms vs Slug



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

Left Out: 4557.173 ± 1.051 χ^2/NDF : 533900.4/12

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

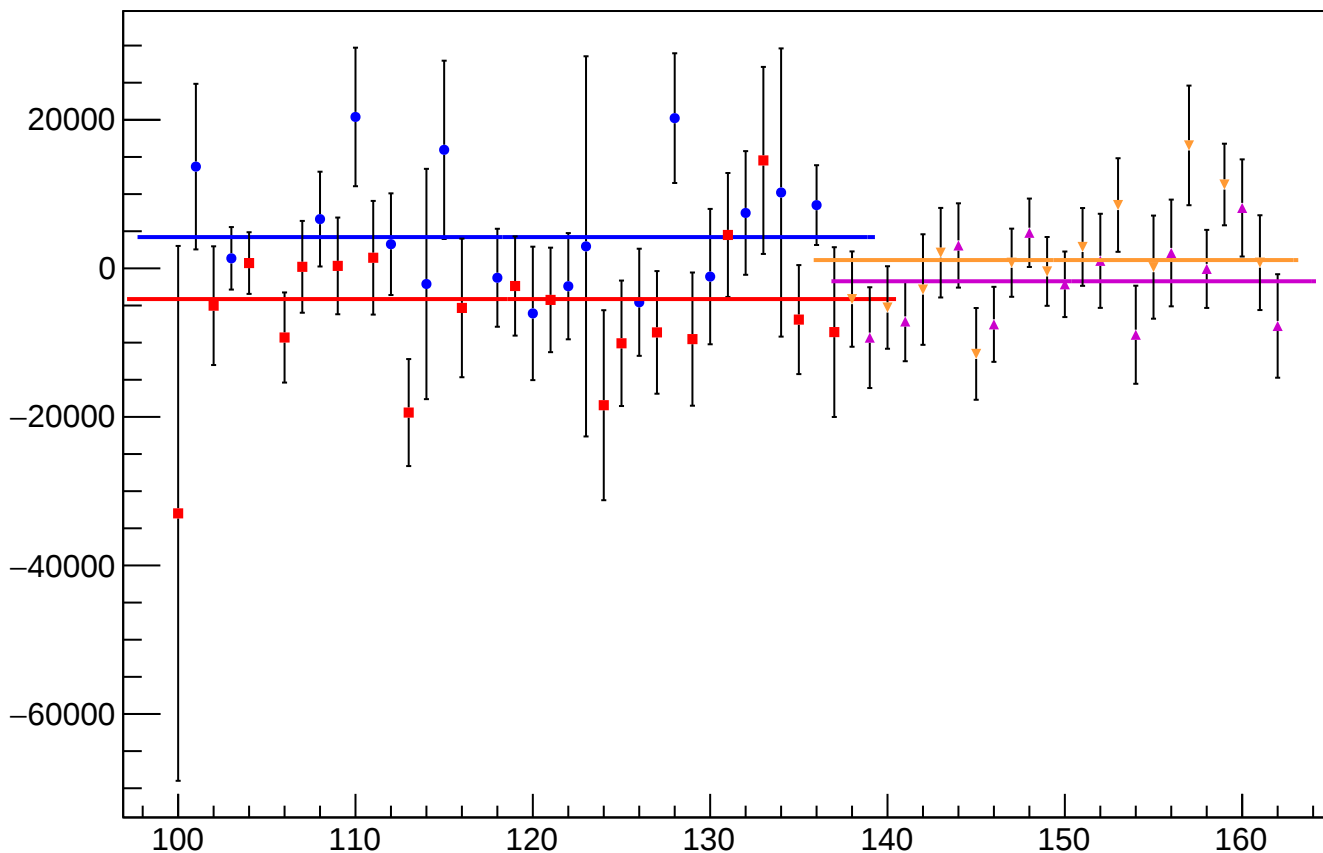
Left In: 4613.488 ± 1.063 χ^2/NDF : 575687.7/11

+ sign 4371.349 ± 0.783 χ^2/NDF : 1417693.7/29

All: 4258.134 ± 0.540 χ^2/NDF : 3673631.6/60

- sign 4155.712 ± 0.745 χ^2/NDF : 2216152.7/30

asym_atr_avg_mean vs Slug



Right In: 4211.844+/-1871.304 χ^2/NDF : 14.4/16

Left Out: 1117.535+/-1626.507 χ^2/NDF :15.2/12

Right Out: -4133.660+/-1725.341 χ^2/NDF : 14.8/18

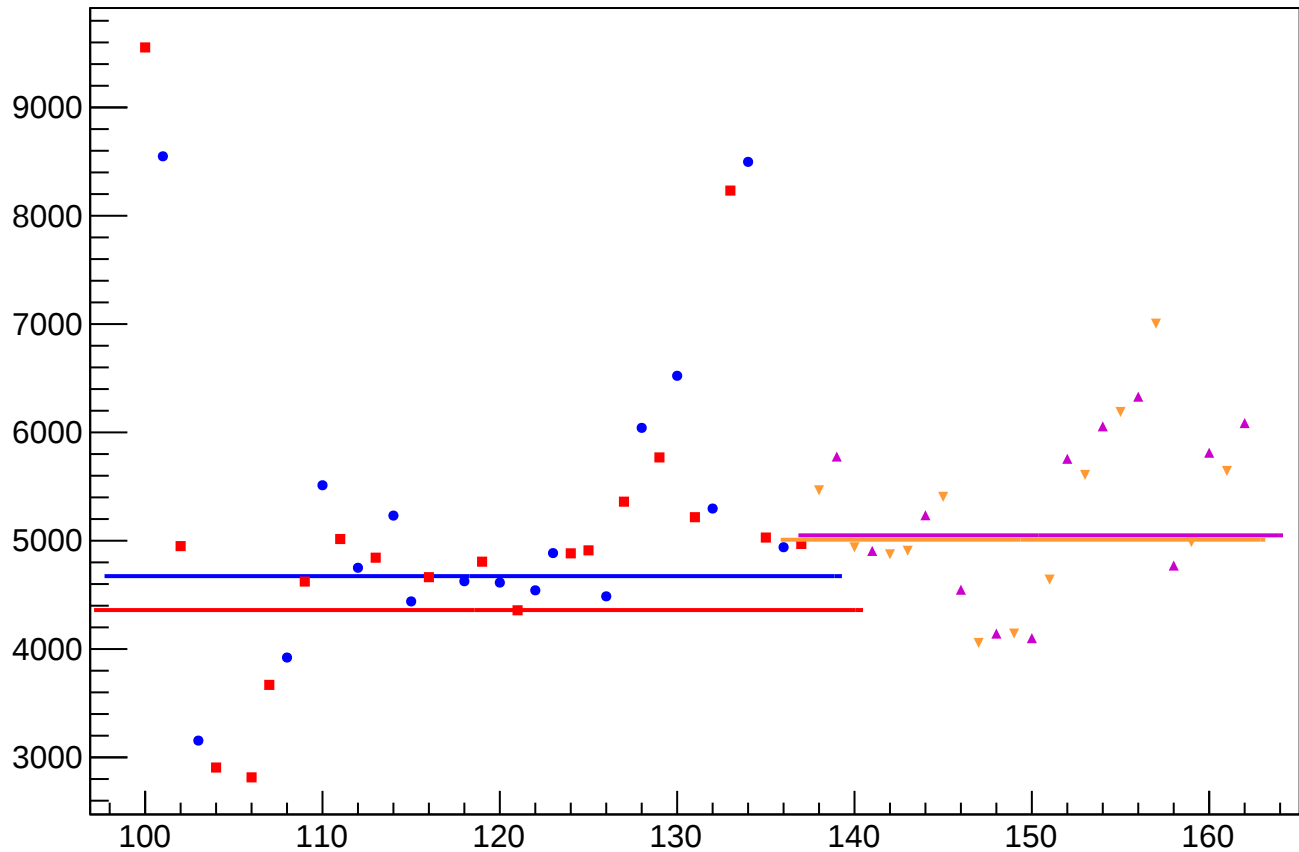
Left In: -1736.821+/-1637.937 χ^2/NDF :11.1/11

+ sign 2449.187+/-1227.603 χ^2/NDF : 31.2/29

All: -299.372+/-853.661 χ^2/NDF : 67.8/60

- sign -2872.994+/-1187.894 χ^2/NDF : 26.9/30

asym_atr_avg_rms vs Slug



Right In: 4673.046 ± 1.323 $\chi^2/\text{NDF}: 777321.1/16$

Left Out: 5009.327 ± 1.150 $\chi^2/\text{NDF}: 404213.1/12$

Right Out: 4359.833 ± 1.213 $\chi^2/\text{NDF}: 832191.0/18$

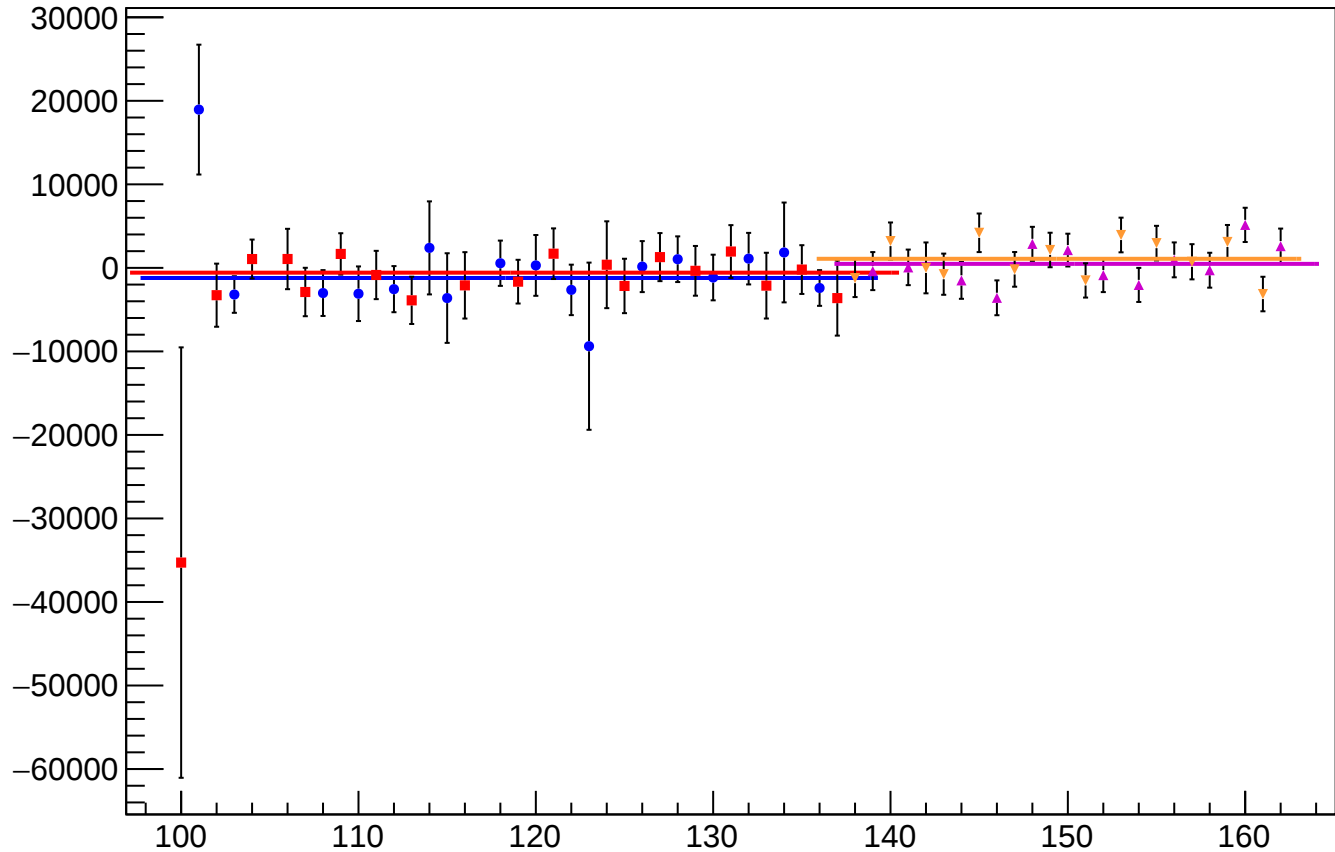
Left In: 5049.534 ± 1.158 $\chi^2/\text{NDF}: 428305.7/11$

+ sign 4864.607 ± 0.868 $\chi^2/\text{NDF}: 1218326.1/29$

All: 4790.040 ± 0.603 $\chi^2/\text{NDF}: 2662196.1/60$

- sign 4720.603 ± 0.838 $\chi^2/\text{NDF}: 1429619.4/30$

reg_asym_atr_dd_mean vs Slug



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

Left Out: 1087.168+/-605.680 χ^2/NDF : 14.6/12

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

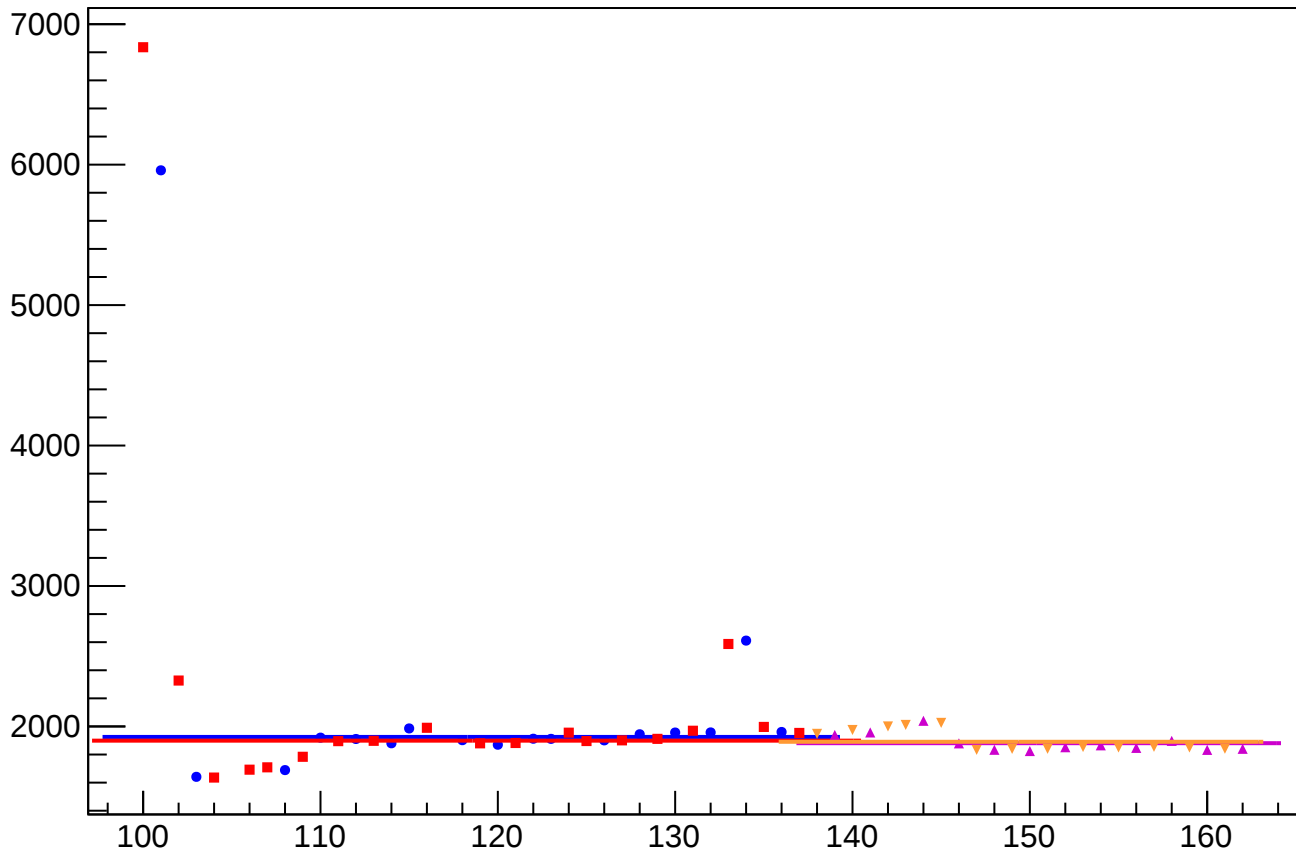
Left In: 479.066+/-602.698 χ^2/NDF : 15.2/11

+ sign 202.001+/-474.934 χ^2/NDF : 32.8/29

All: 125.863+/-332.239 χ^2/NDF : 58.0/60

- sign 52.898+/-464.937 χ^2/NDF : 25.2/30

reg_asym_atr_dd_rms vs Slug



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1890.783+/-0.428 χ^2/NDF : 26051.9/12

+ sign 1904.084+/-0.336 χ^2/NDF : 644420.1/29

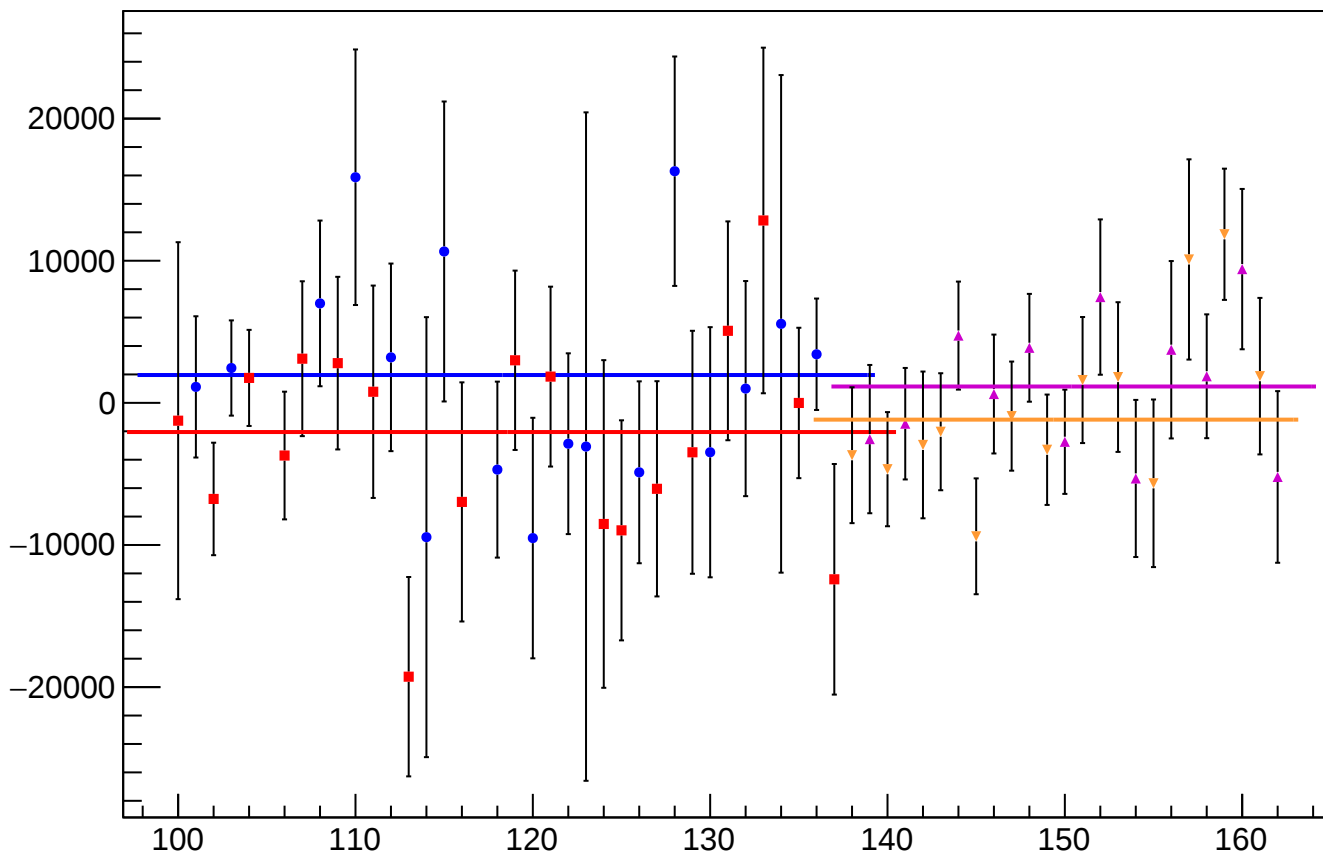
Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

All: 1895.932+/-0.235 χ^2/NDF : 877152.2/60

Left In: 1880.806+/-0.426 χ^2/NDF : 19975.8/11

- sign 1888.134+/-0.328 χ^2/NDF : 231579.0/30

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060 $\pm$ 1556.840 χ^2 /NDF: 12.9/16

Left Out: -1180.271 $\pm$ 1277.794 χ^2 /NDF: 17.7/12

Right Out: -2052.842 $\pm$ 1413.641 χ^2 /NDF: 17.4/18

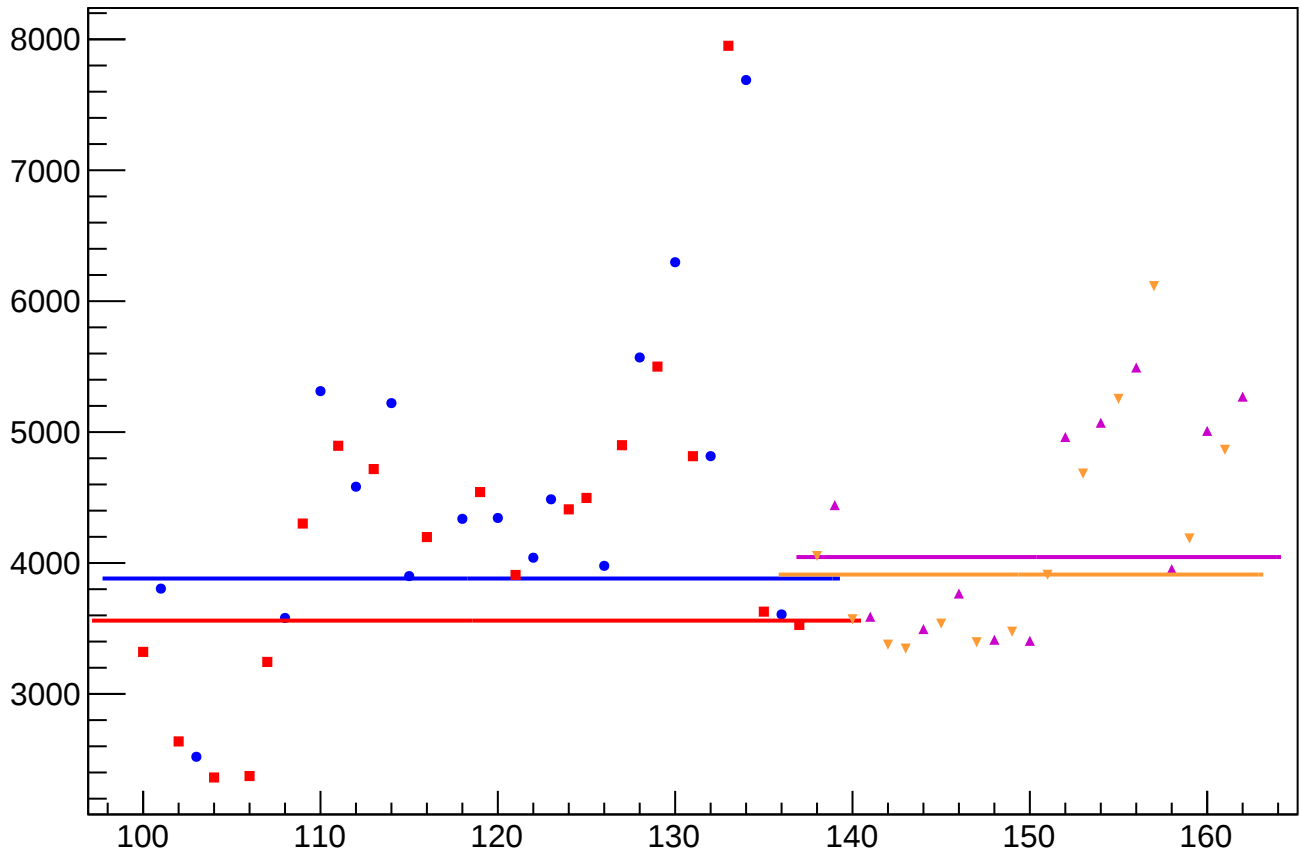
Left In: 1151.187 $\pm$ 1318.204 χ^2 /NDF: 9.6/11

+ sign 83.319 $\pm$ 987.708 χ^2 /NDF: 33.1/29

All: -132.967 $\pm$ 689.912 χ^2 /NDF: 63.0/60

- sign -339.031 $\pm$ 964.086 χ^2 /NDF: 29.8/30

asym_atr_dd_correction_rms vs Slug



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

Left Out: 3911.928+/-0.904 χ^2/NDF : 563016.7/12

+ sign 3899.712+/-0.698 χ^2/NDF : 1380937.4/29

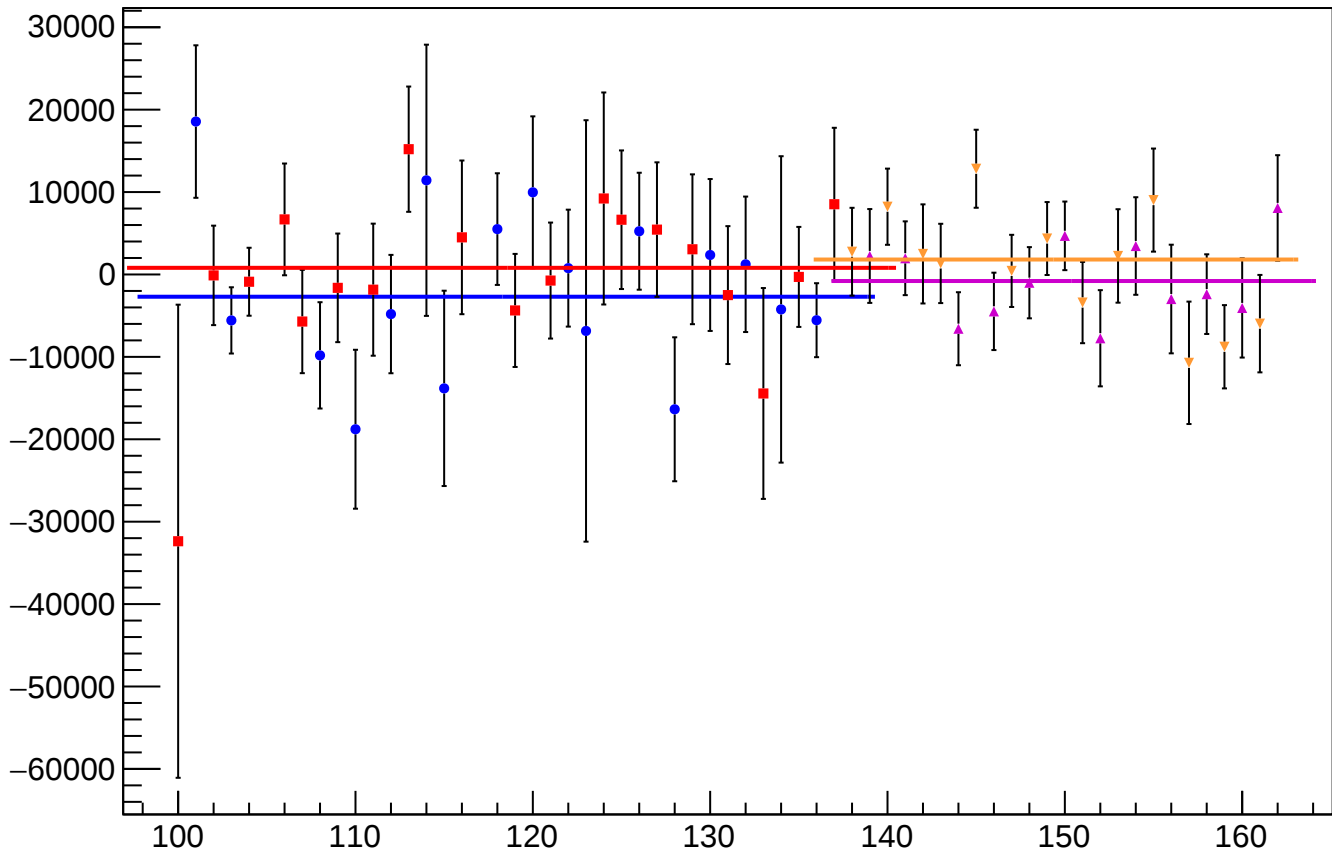
Right Out: 3560.054+/-1.000 χ^2/NDF : 1241523.0/18

All: 3858.745+/-0.488 χ^2/NDF : 3335566.3/60

Left In: 4045.499+/-0.932 χ^2/NDF : 580233.8/11

- sign 3819.715+/-0.682 χ^2/NDF : 1947910.3/30

asym_atr_dd_mean vs Slug



Right In: -2700.702 ± 1809.055 χ^2/NDF : 19.8/16

Left Out: 1813.161 ± 1436.917 χ^2/NDF : 19.2/12

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

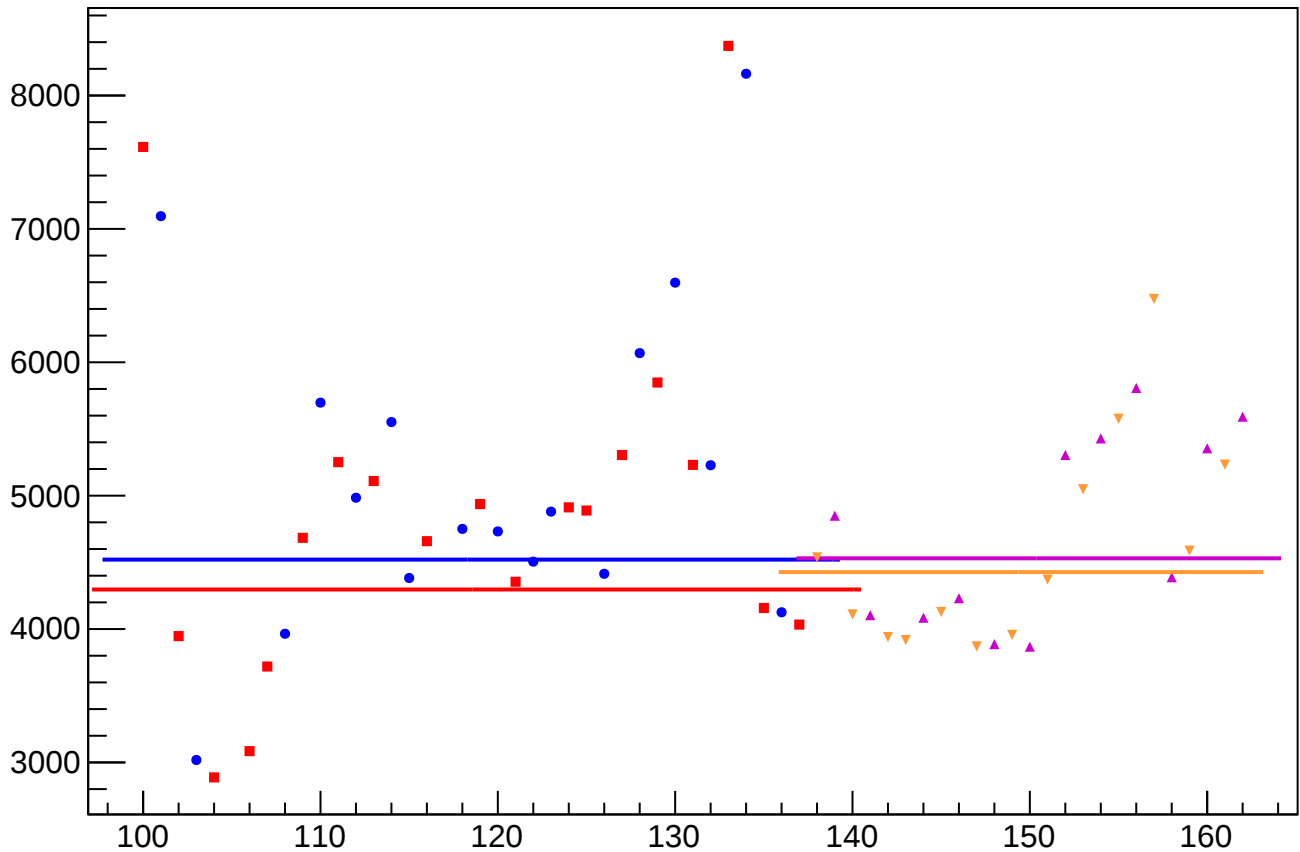
Left In: -795.037 ± 1468.020 χ^2/NDF : 9.1/11

+ sign 67.013 ± 1125.170 χ^2/NDF : 42.8/29

All: -21.144 ± 789.611 χ^2/NDF : 64.0/60

- sign -106.689 ± 1108.377 χ^2/NDF : 21.2/30

asym_atr_dd_rms vs Slug



Right In: 4520.685 ± 1.279 χ^2/NDF : 770887.4/16

Left Out: 4427.173 ± 1.016 χ^2/NDF : 391806.9/12

Right Out: 4296.527 ± 1.189 χ^2/NDF : 771785.2/18

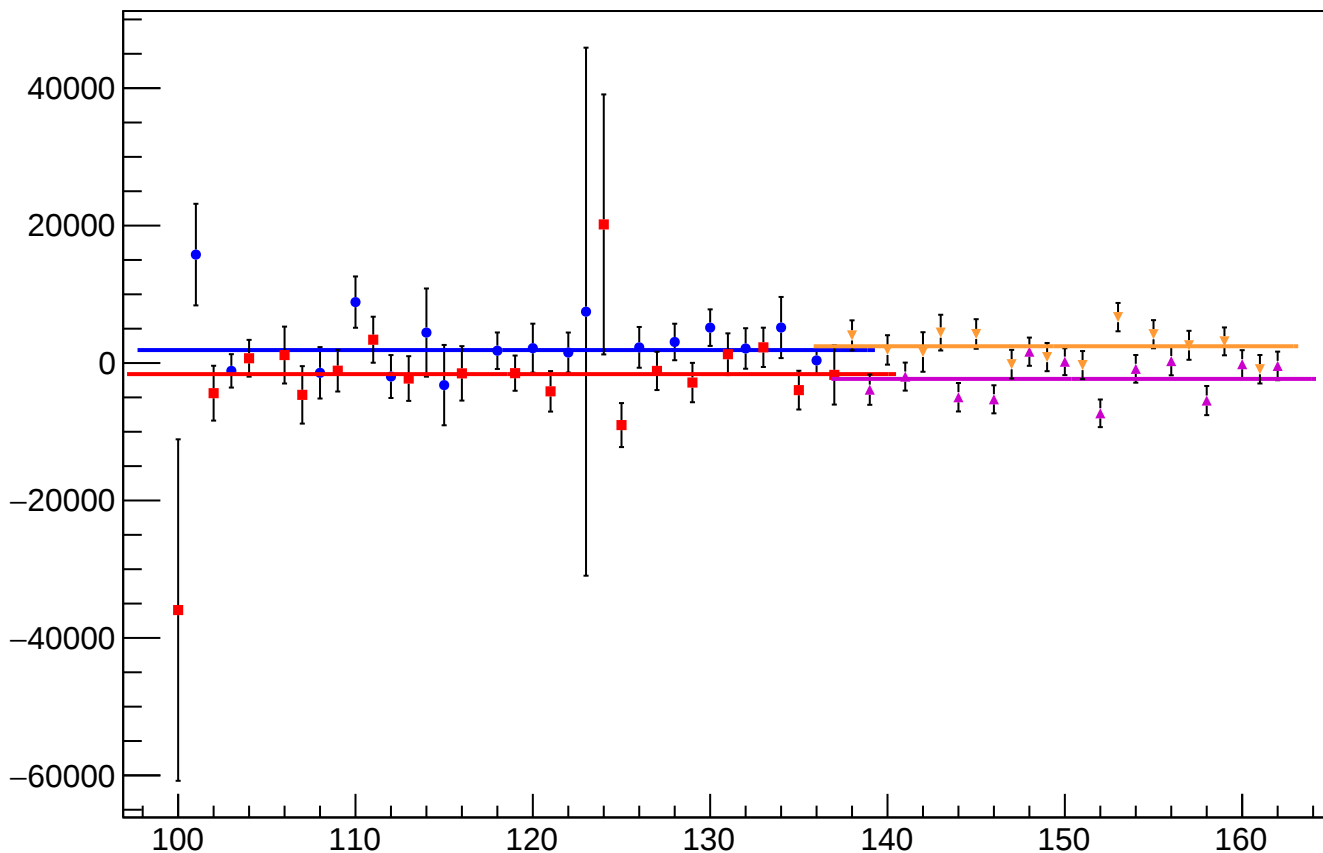
Left In: 4530.247 ± 1.038 χ^2/NDF : 398507.5/11

+ sign 4463.347 ± 0.796 χ^2/NDF : 1165970.9/29

All: 4445.936 ± 0.558 χ^2/NDF : 2359139.5/60

- sign 4429.121 ± 0.782 χ^2/NDF : 1192227.1/30

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915+/-783.827 χ^2/NDF : 14.7/16

Left Out: 2443.326+/-598.269 χ^2/NDF : 13.6/12

Right Out: -1610.310+/-765.843 χ^2/NDF : 17.5/18

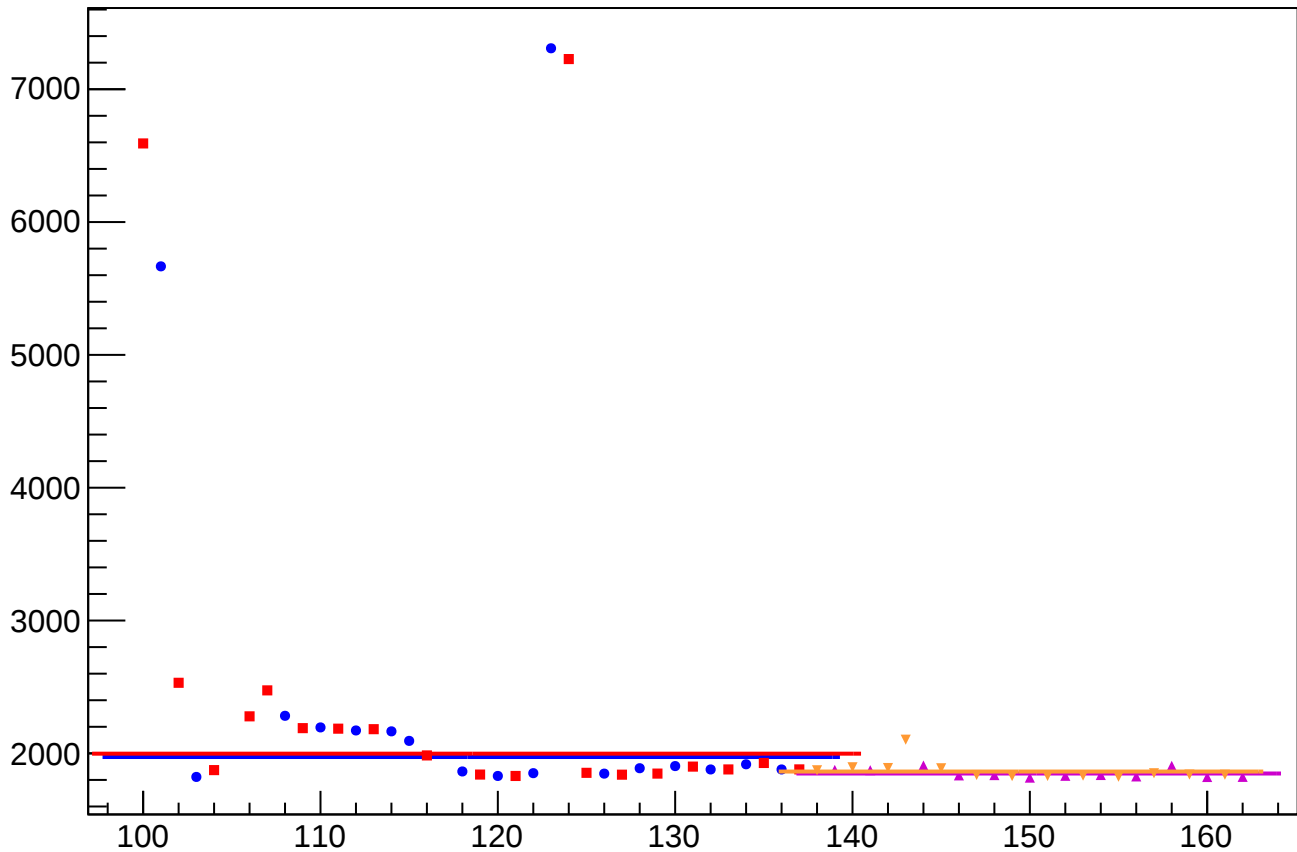
Left In: -2308.734+/-593.528 χ^2/NDF : 22.1/11

+ sign 2238.869+/-475.570 χ^2/NDF : 28.6/29

All: 66.911+/-333.980 χ^2/NDF : 109.8/60

- sign -2046.655+/-469.133 χ^2/NDF : 40.1/30

reg_asym_at1_avg_rms vs Slug



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1863.073+/-0.423 χ^2/NDF : 21137.5/12

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

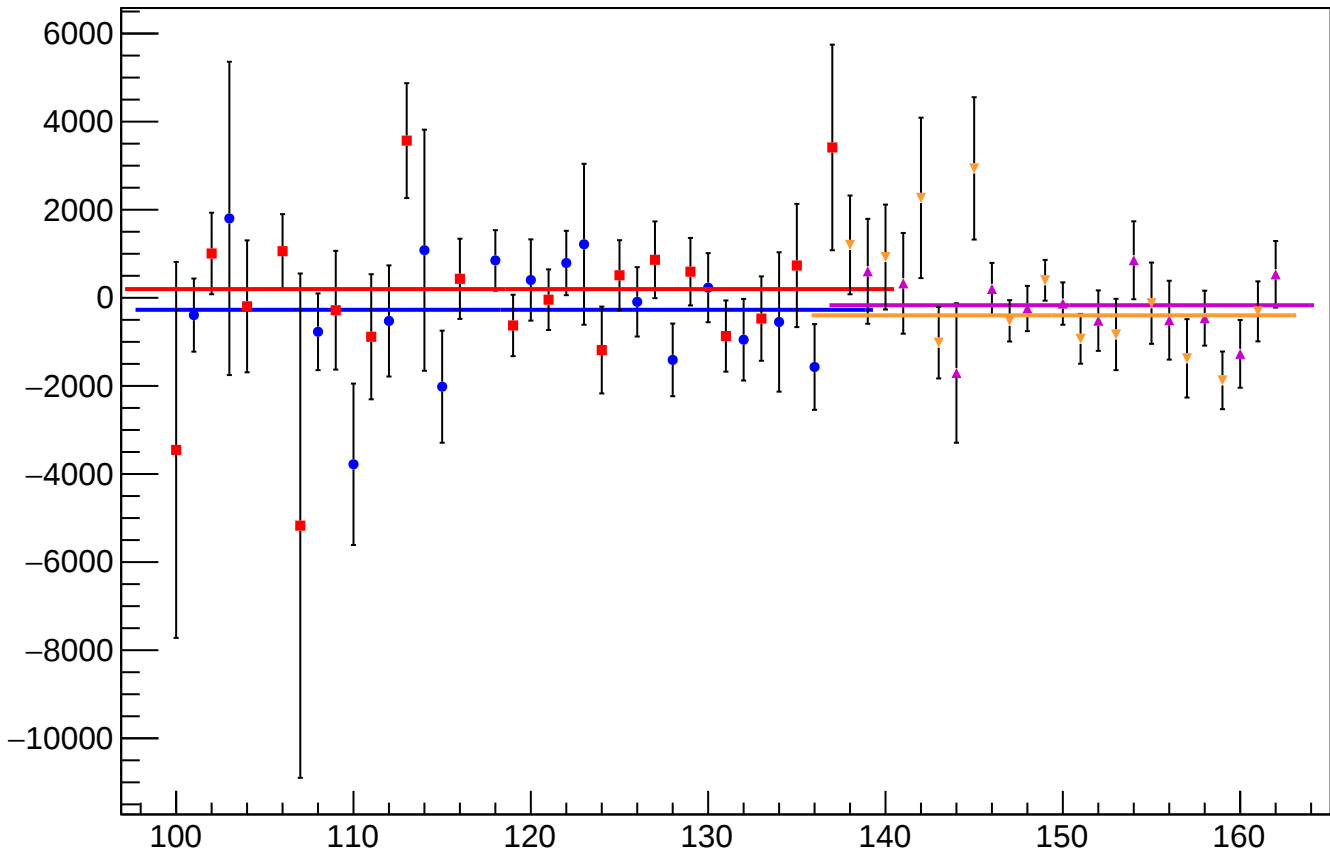
Left In: 1848.282+/-0.420 χ^2/NDF : 5495.0/11

+ sign 1903.349+/-0.336 χ^2/NDF : 646630.5/29

All: 1903.846+/-0.236 χ^2/NDF : 1055231.9/60

- sign 1904.330+/-0.332 χ^2/NDF : 408597.0/30

asym_at1_avg_correction_mean vs Slug



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

Left Out: -397.240 $\pm$ 202.061 χ^2 /NDF: 20.9/12

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

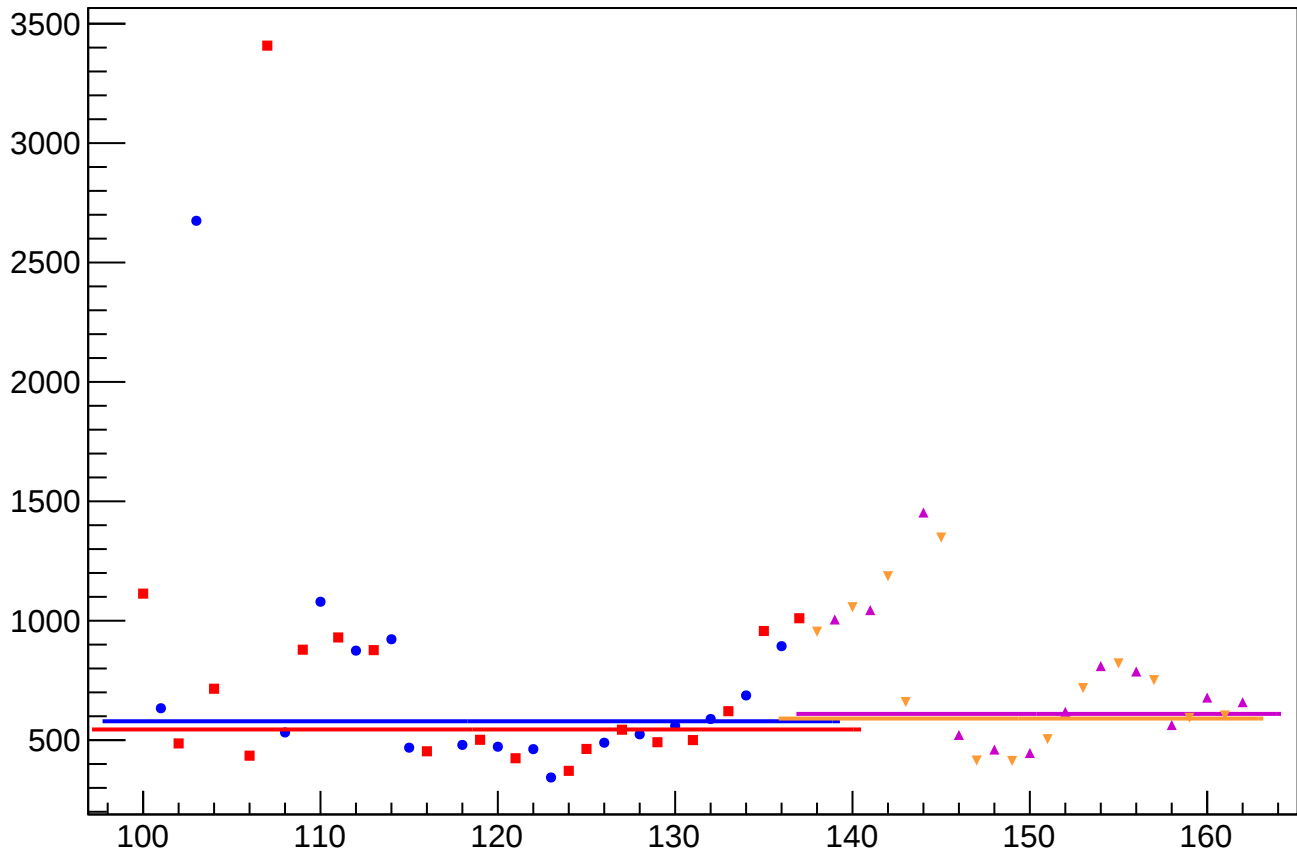
Left In: -168.044 $\pm$ 206.314 χ^2 /NDF: 6.8/11

+ sign -345.250 $\pm$ 154.630 χ^2 /NDF: 38.2/29

All: -173.083 $\pm$ 108.864 χ^2 /NDF: 68.7/60

- sign -3.884 $\pm$ 153.291 χ^2 /NDF: 28.0/30

asym_at1_avg_correction_rms vs Slug



Right In: 579.010+/-0.170 χ^2/NDF : 1422148.6/16

Left Out: 590.394+/-0.143 χ^2/NDF : 2048579.1/12

Right Out: 544.674+/-0.162 χ^2/NDF : 1457799.9/18

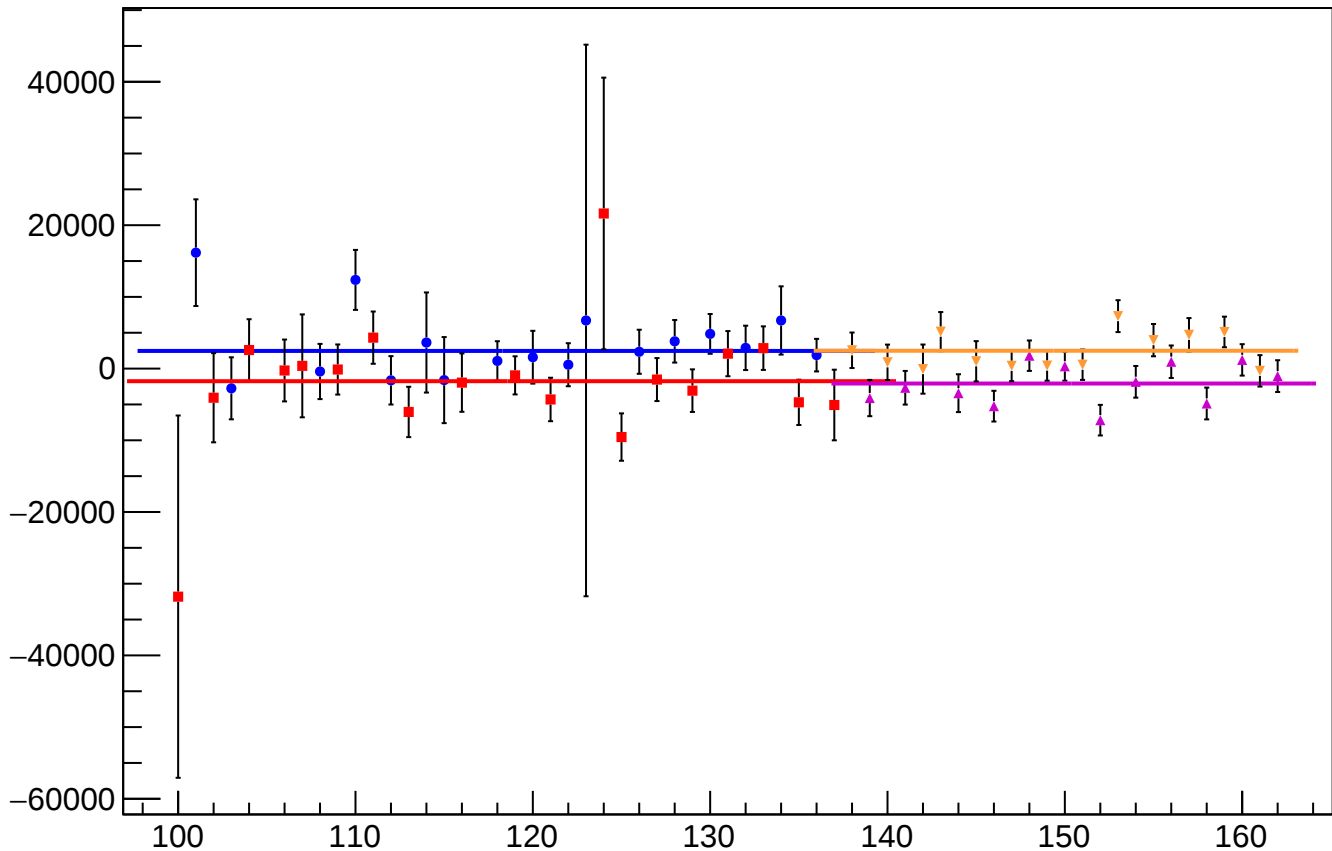
Left In: 609.877+/-0.146 χ^2/NDF : 1738806.7/11

+ sign 585.677+/-0.109 χ^2/NDF : 3473358.1/29

All: 583.151+/-0.077 χ^2/NDF : 6760505.5/60

- sign 580.669+/-0.108 χ^2/NDF : 3286089.4/30

asym_at1_avg_mean vs Slug



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 2491.216 $\pm$ 652.445 χ^2 /NDF:14.2/12

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

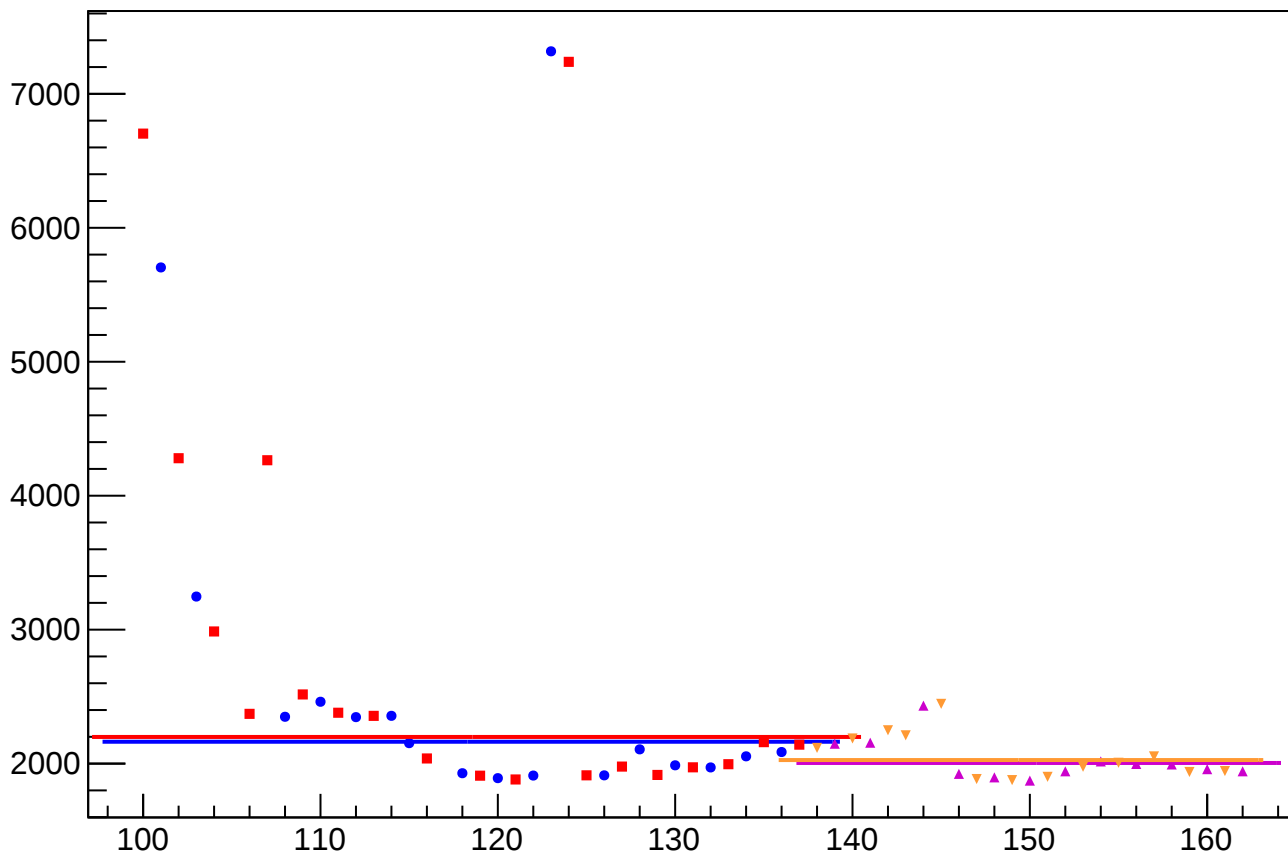
Left In: -2081.834 $\pm$ 645.189 χ^2 /NDF:19.5/11

+ sign 2481.349 $\pm$ 520.491 χ^2 /NDF: 29.7/29

All: 233.733 $\pm$ 365.955 χ^2 /NDF: 106.7/60

- sign -1963.598 $\pm$ 514.636 χ^2 /NDF: 40.1/30

asym_at1_avg_rms vs Slug



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

Left Out: 2026.506+/-0.461 χ^2/NDF : 107067.3/12

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

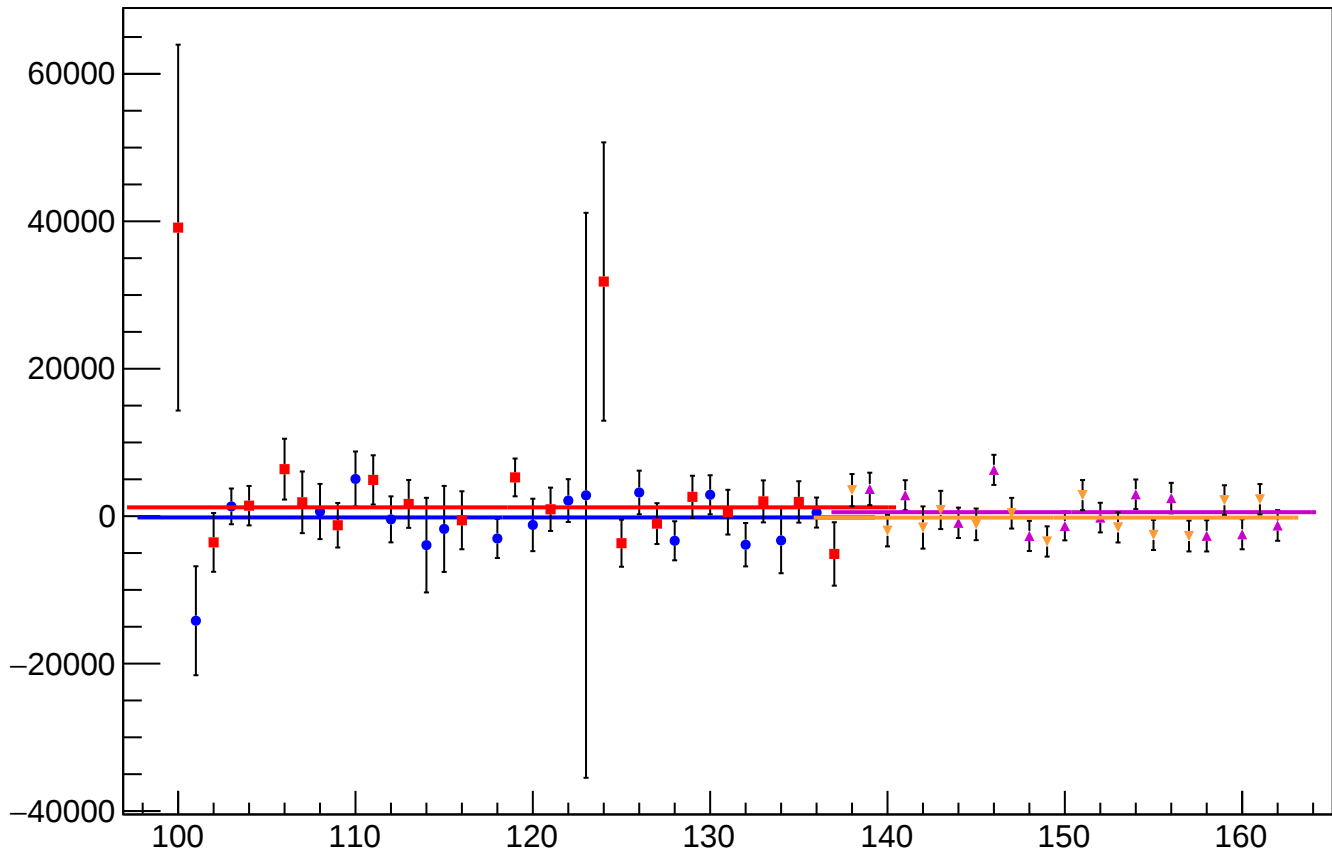
Left In: 2004.836+/-0.456 χ^2/NDF : 88159.3/11

+ sign 2076.243+/-0.368 χ^2/NDF : 848618.7/29

All: 2075.850+/-0.259 χ^2/NDF : 1805966.4/60

- sign 2075.465+/-0.364 χ^2/NDF : 957345.4/30

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 χ^2/NDF : 14.5/16

Left Out: -197.199 ± 596.959 χ^2/NDF : 14.9/12

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

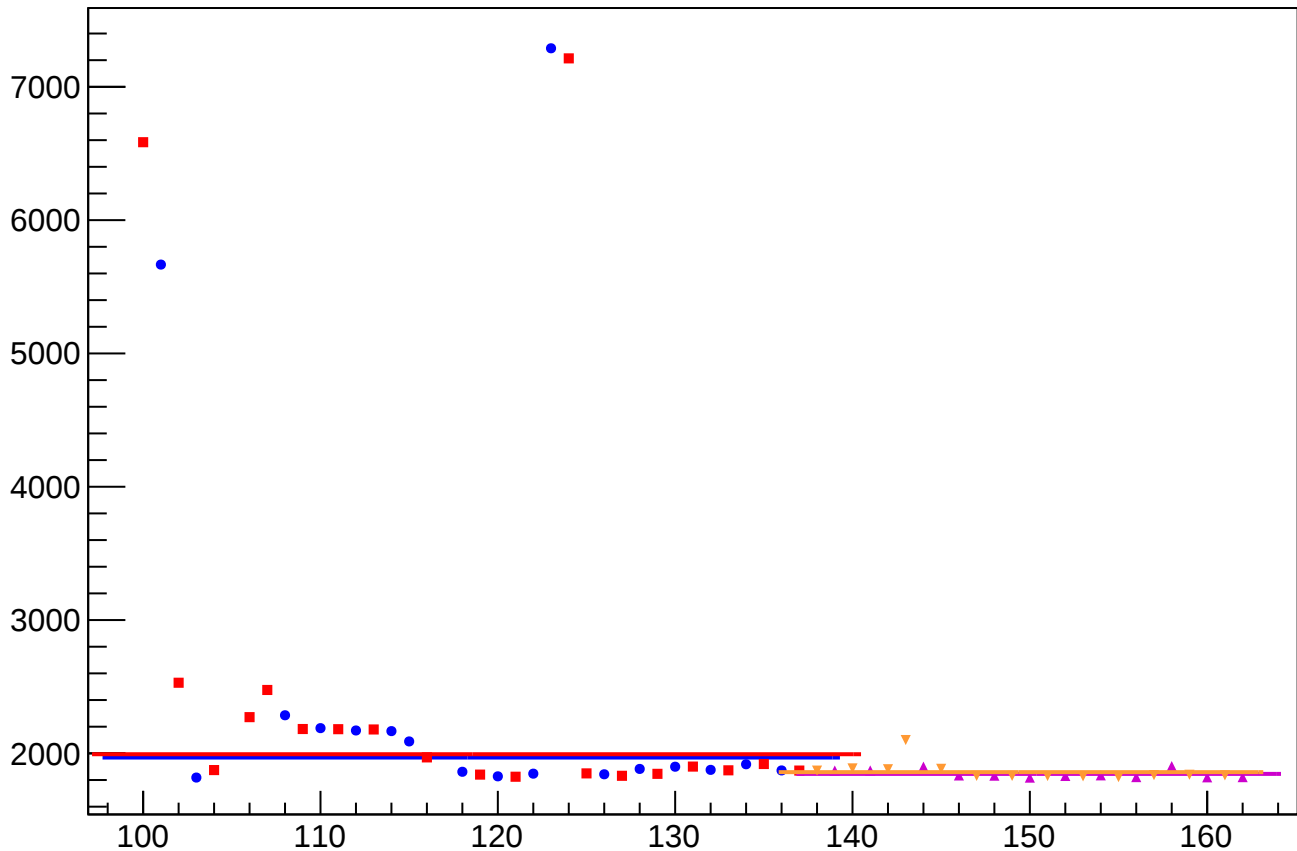
Left In: 541.166 ± 592.771 χ^2/NDF : 22.8/11

+ sign -187.320 ± 474.590 χ^2/NDF : 29.4/29

All: 306.603 ± 333.374 χ^2/NDF : 73.0/60

- sign 787.714 ± 468.394 χ^2/NDF : 41.4/30

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1859.025 $\pm$ 0.422 χ^2 /NDF:21001.8/12

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

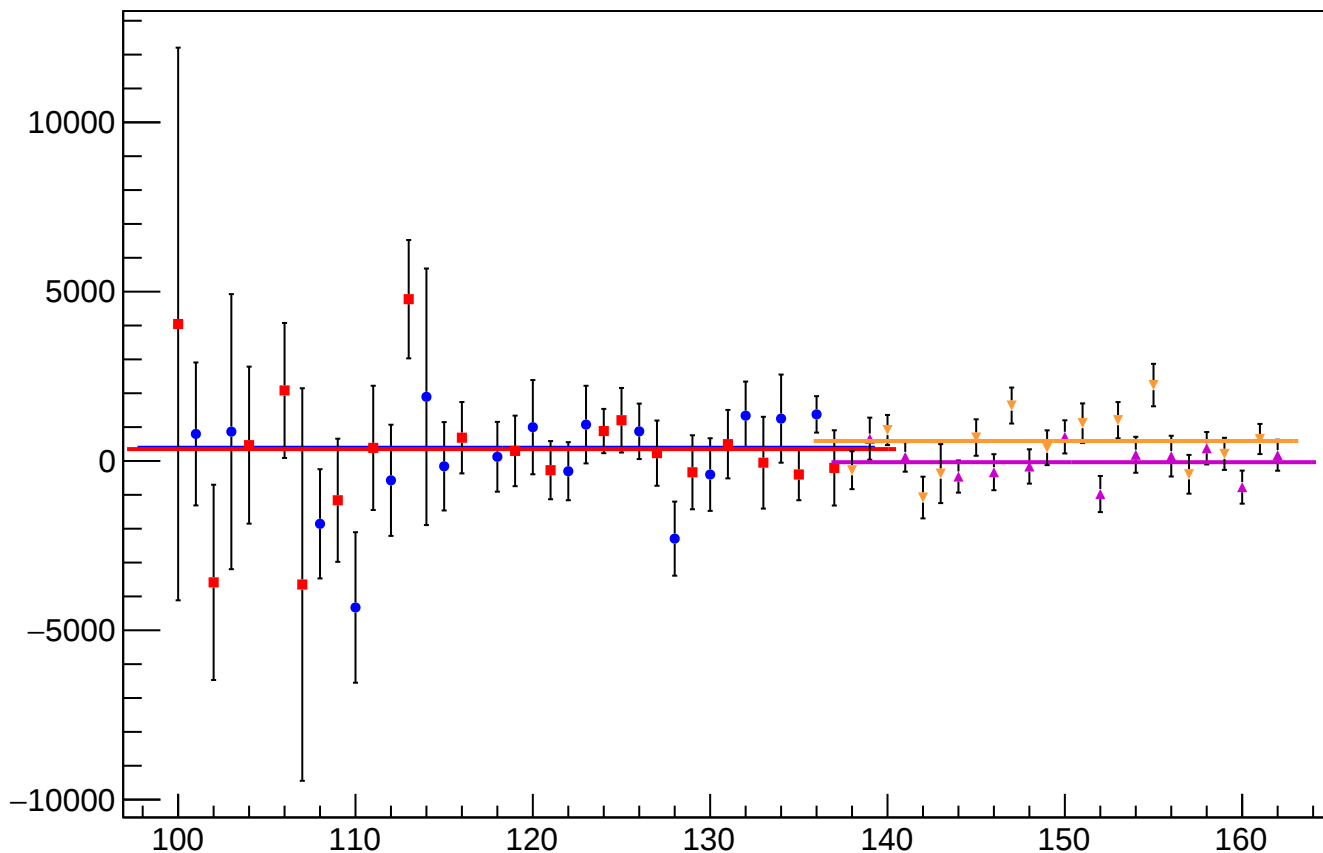
Left In: 1845.940 $\pm$ 0.419 χ^2 /NDF:5117.3/11

+ sign 1899.356 $\pm$ 0.336 χ^2 /NDF: 648783.9/29

All: 1900.359 $\pm$ 0.236 χ^2 /NDF: 1056594.3/60

- sign 1901.337 $\pm$ 0.331 χ^2 /NDF: 407792.8/30

asym_at1_dd_correction_mean vs Slug



Right In: 390.923+/-270.128 χ^2/NDF : 20.0/16

Left Out: 590.497+/-149.876 χ^2/NDF : 28.2/12

Right Out: 350.642+/-266.097 χ^2/NDF : 14.2/18

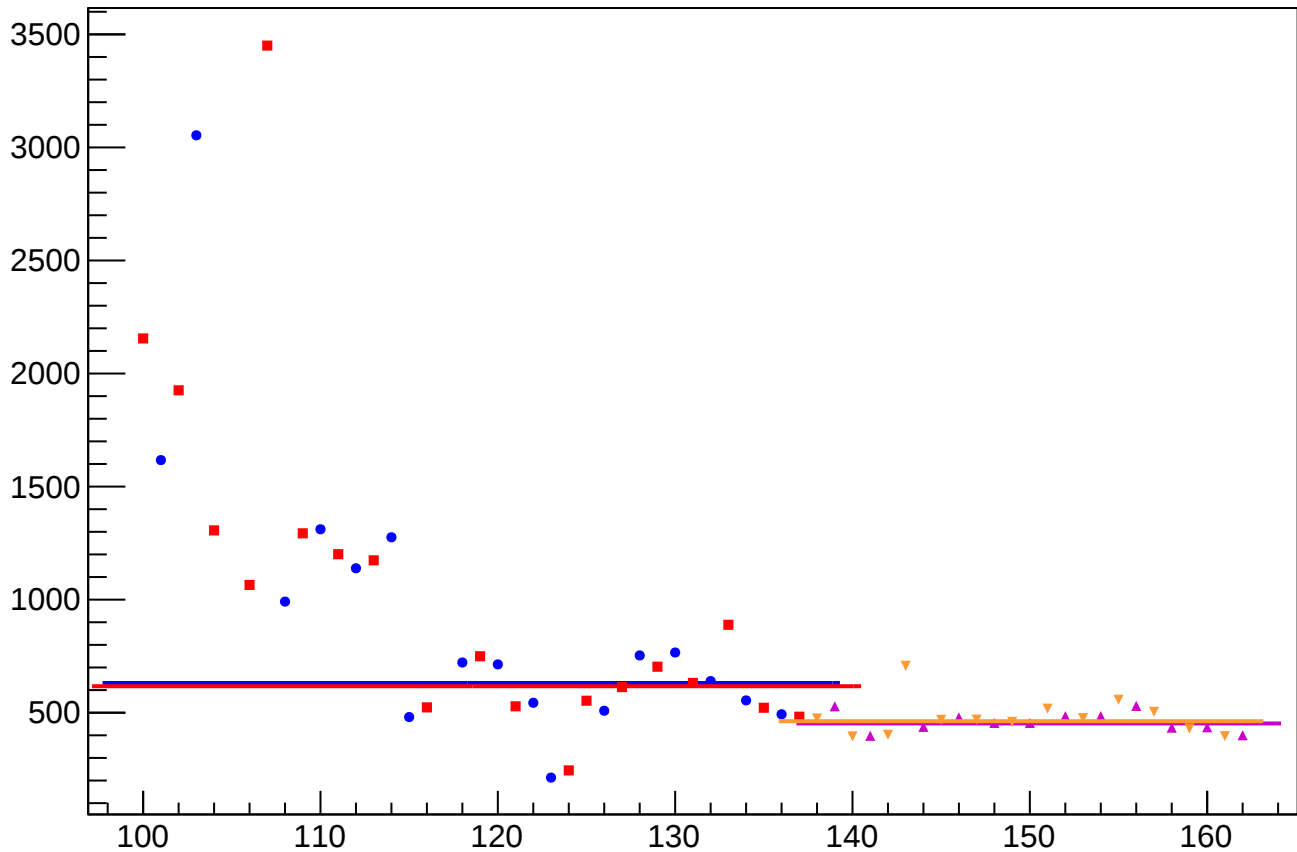
Left In: -35.965+/-145.797 χ^2/NDF : 11.5/11

+ sign 543.521+/-131.055 χ^2/NDF : 48.7/29

All: 292.367+/-91.520 χ^2/NDF : 83.2/60

- sign 53.299+/-127.863 χ^2/NDF : 27.3/30

asym_at1_dd_correction_rms vs Slug



Right In: 631.430+/-0.191 χ^2/NDF : 2260692.7/16

Left Out: 462.386+/-0.106 χ^2/NDF : 353834.6/12

Right Out: 617.035+/-0.188 χ^2/NDF : 2802149.9/18

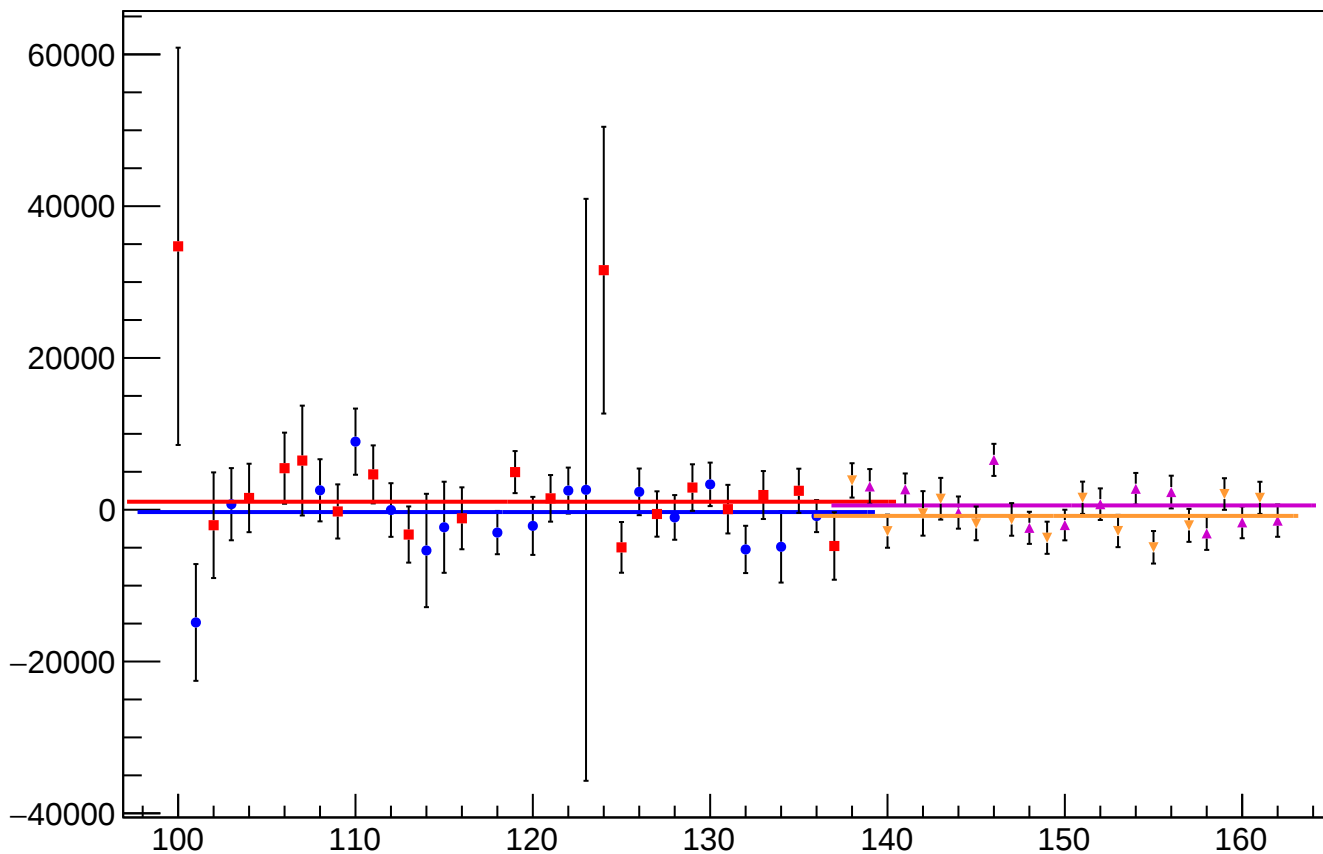
Left In: 452.462+/-0.103 χ^2/NDF : 148015.2/11

+ sign 502.175+/-0.093 χ^2/NDF : 3213401.4/29

All: 496.173+/-0.065 χ^2/NDF : 6760134.9/60

- sign 490.461+/-0.090 χ^2/NDF : 3538546.7/30

asym_at1_dd_mean vs Slug



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -811.108 ± 617.652 χ^2/NDF : 17.3/12

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

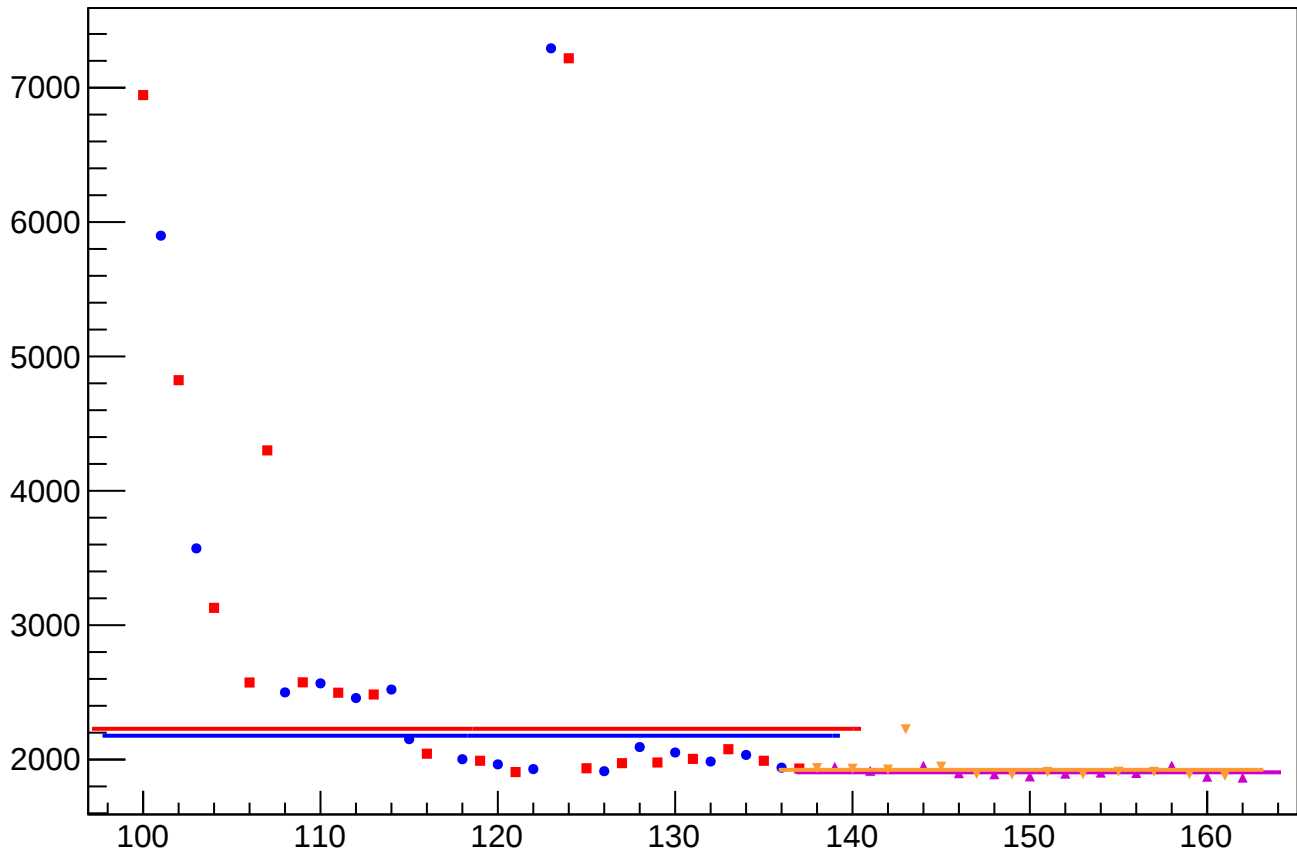
Left In: 568.208 ± 611.664 χ^2/NDF : 20.8/11

+ sign -642.238 ± 504.008 χ^2/NDF : 34.7/29

All: 49.759 ± 354.921 χ^2/NDF : 76.0/60

- sign 730.484 ± 499.886 χ^2/NDF : 37.6/30

asym_at1_dd_rms vs Slug



Right In: 2177.446+/-0.617 χ^2/NDF : 802836.7/16

Left Out: 1923.408+/-0.437 χ^2/NDF : 27458.5/12

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

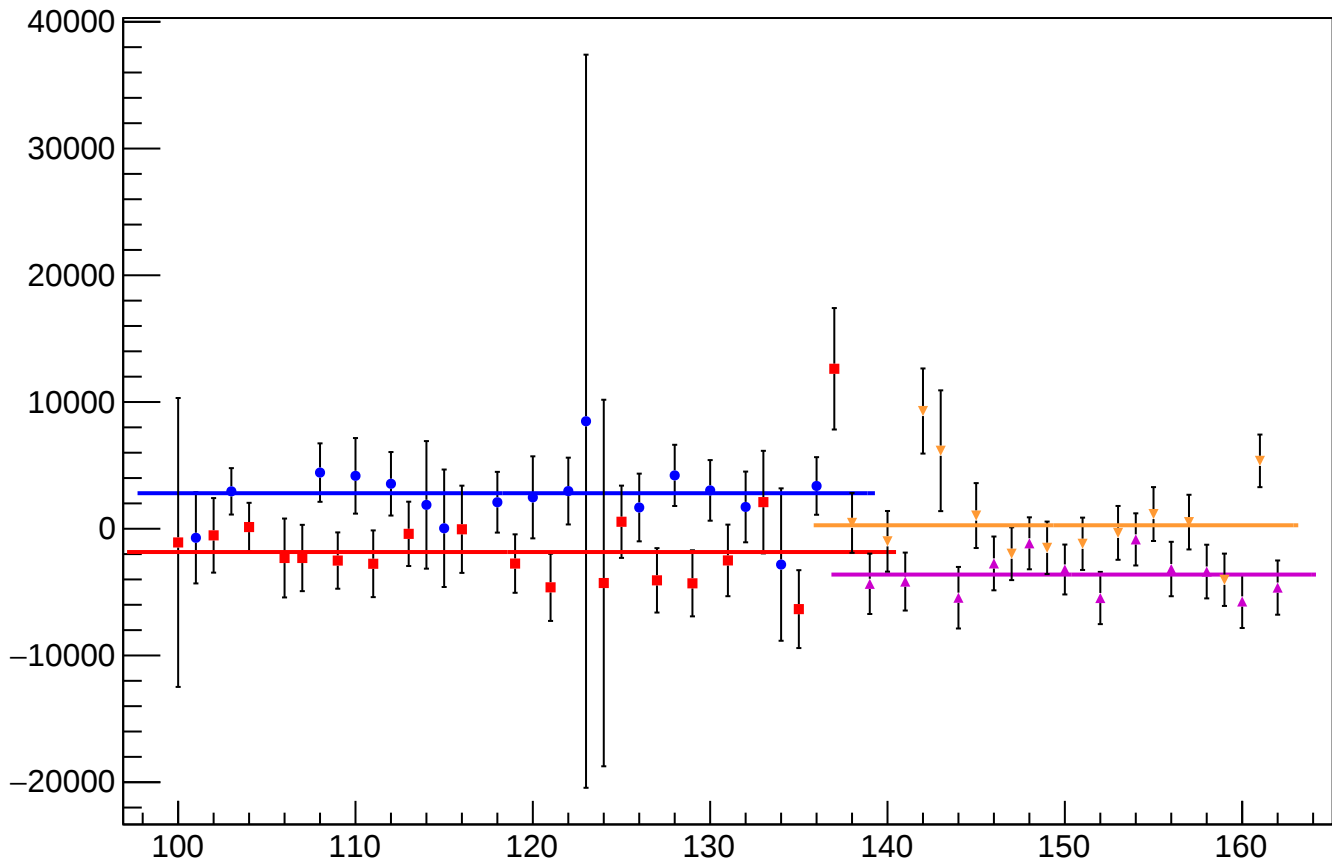
Left In: 1904.995+/-0.433 χ^2/NDF : 4628.2/11

+ sign 2008.291+/-0.356 χ^2/NDF : 943342.0/29

All: 2010.463+/-0.251 χ^2/NDF : 2030235.1/60

- sign 2012.599+/-0.353 χ^2/NDF : 1086819.4/30

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917 ± 678.548 χ^2/NDF : 3.9/16

Left Out: 274.242 ± 637.345 χ^2/NDF : 22.1/12

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

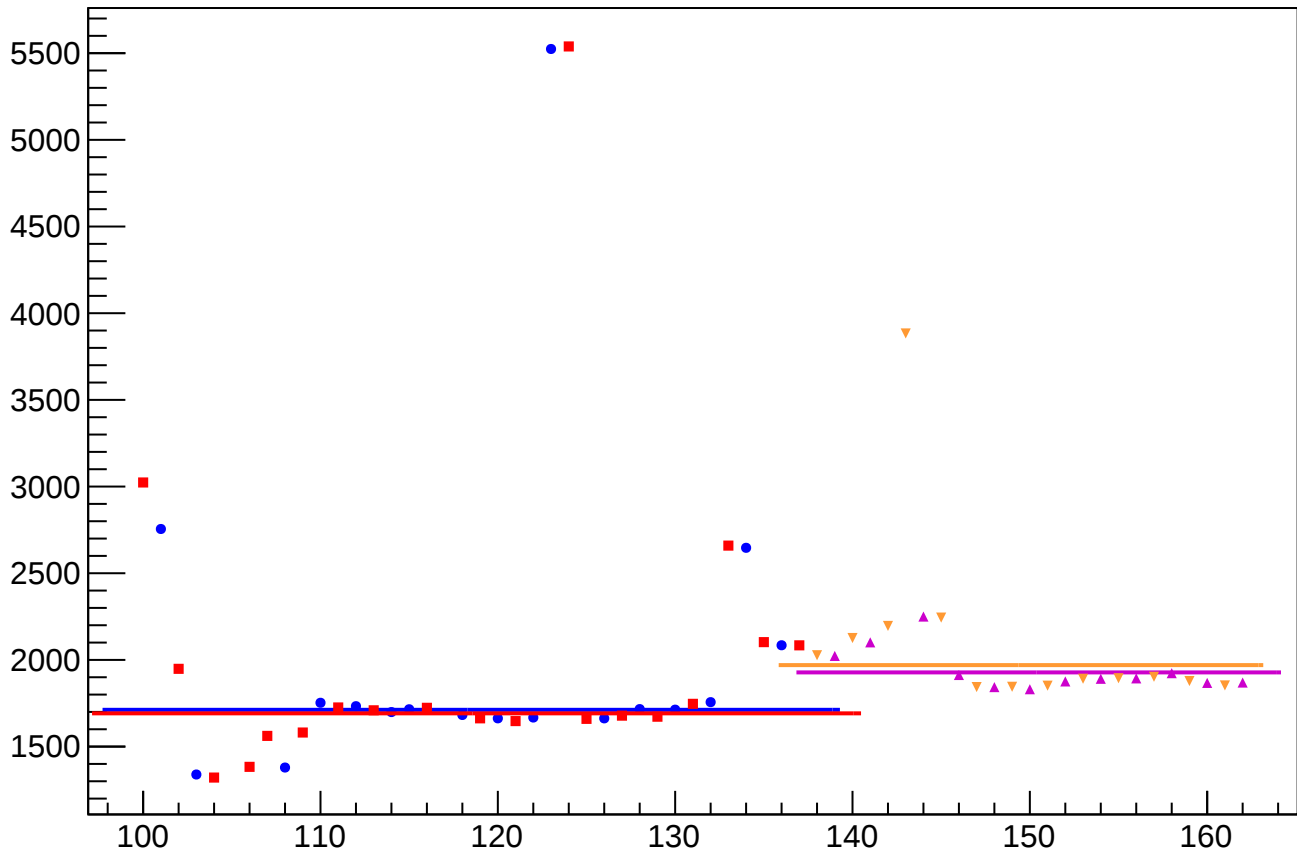
Left In: -3615.798 ± 618.600 χ^2/NDF : 6.3/11

+ sign 1459.948 ± 464.555 χ^2/NDF : 33.4/29

All: -727.078 ± 323.159 χ^2/NDF : 104.6/60

- sign -2777.690 ± 449.833 χ^2/NDF : 28.3/30

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 1970.034+/-0.451 χ^2/NDF : 402888.4/12

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

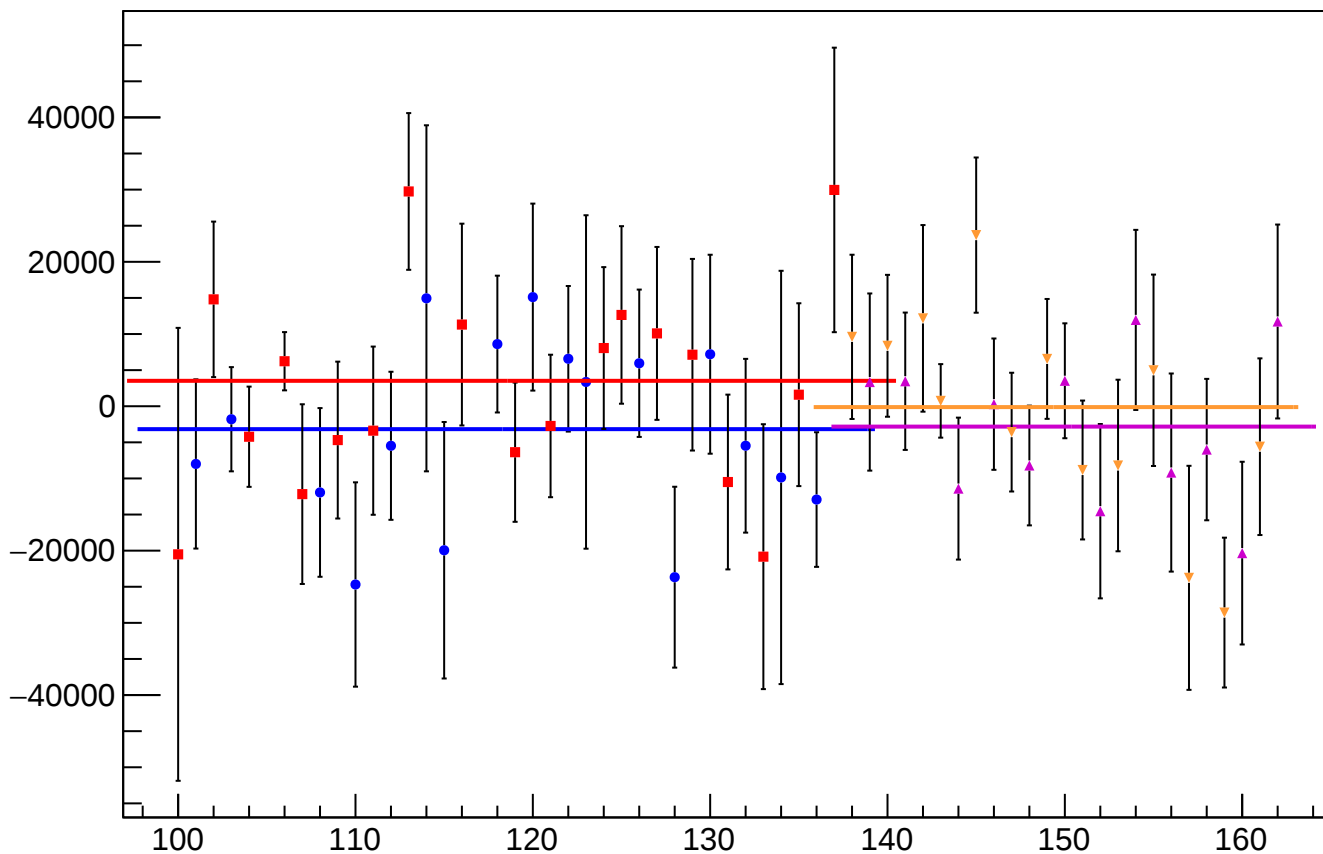
Left In: 1927.936+/-0.437 χ^2/NDF : 63848.6/11

+ sign 1849.161+/-0.328 χ^2/NDF : 988838.8/29

All: 1832.377+/-0.229 χ^2/NDF : 1650055.7/60

- sign 1816.640+/-0.318 χ^2/NDF : 656158.8/30

asym_at2_avg_correction_mean vs Slug



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

Left Out: -119.176 ± 2632.282 χ^2/NDF : 19.6/12

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

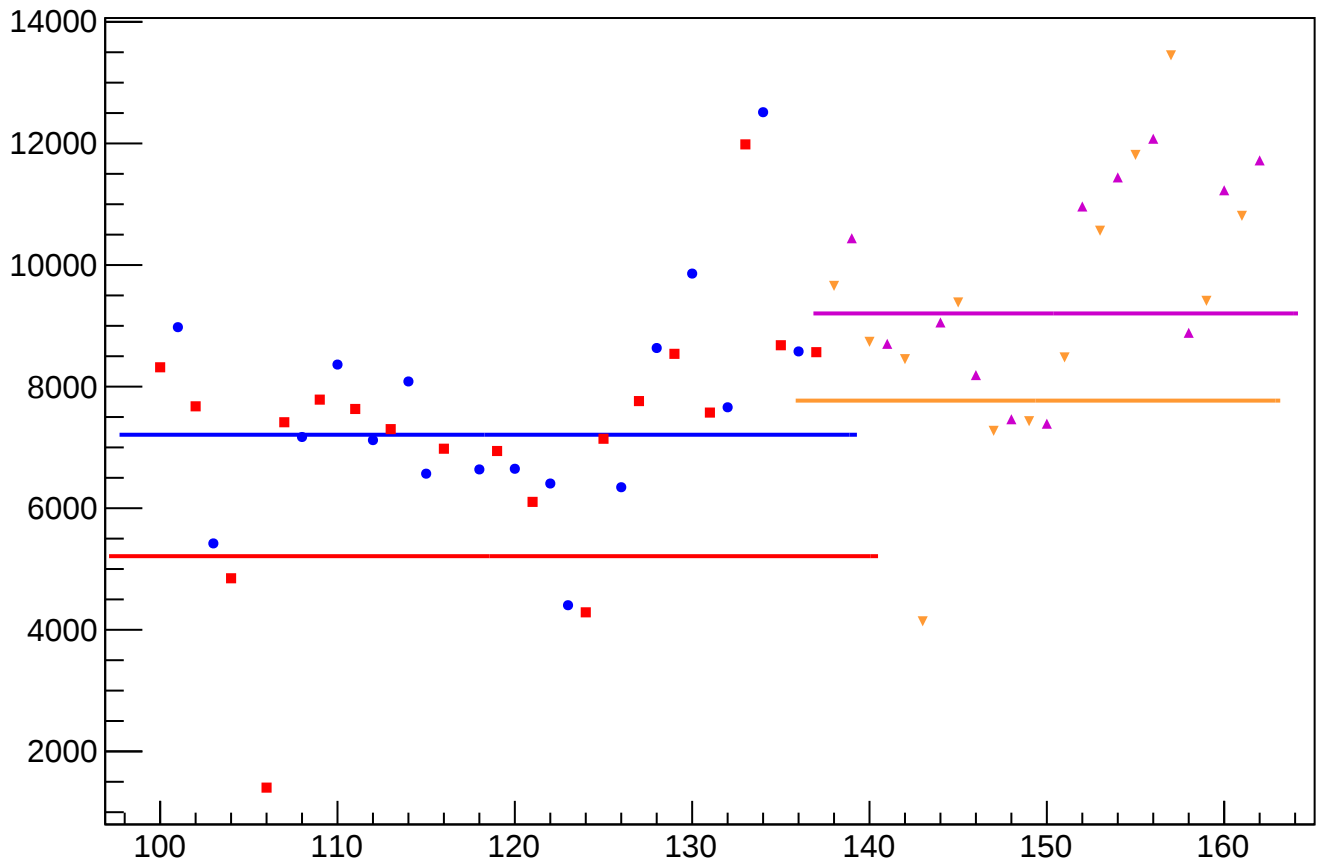
Left In: -2820.833 ± 2997.403 χ^2/NDF : 8.4/11

+ sign -1524.060 ± 1934.317 χ^2/NDF : 34.6/29

All: -62.936 ± 1320.795 χ^2/NDF : 66.4/60

- sign 1213.392 ± 1807.862 χ^2/NDF : 30.7/30

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567 $\pm$ 2.017 χ^2 /NDF: 469302.0/16

Left Out: 7769.929 $\pm$ 1.861 χ^2 /NDF:1901516.1/12

Right Out: 5211.187 $\pm$ 1.603 χ^2 /NDF: 3196870.2/18

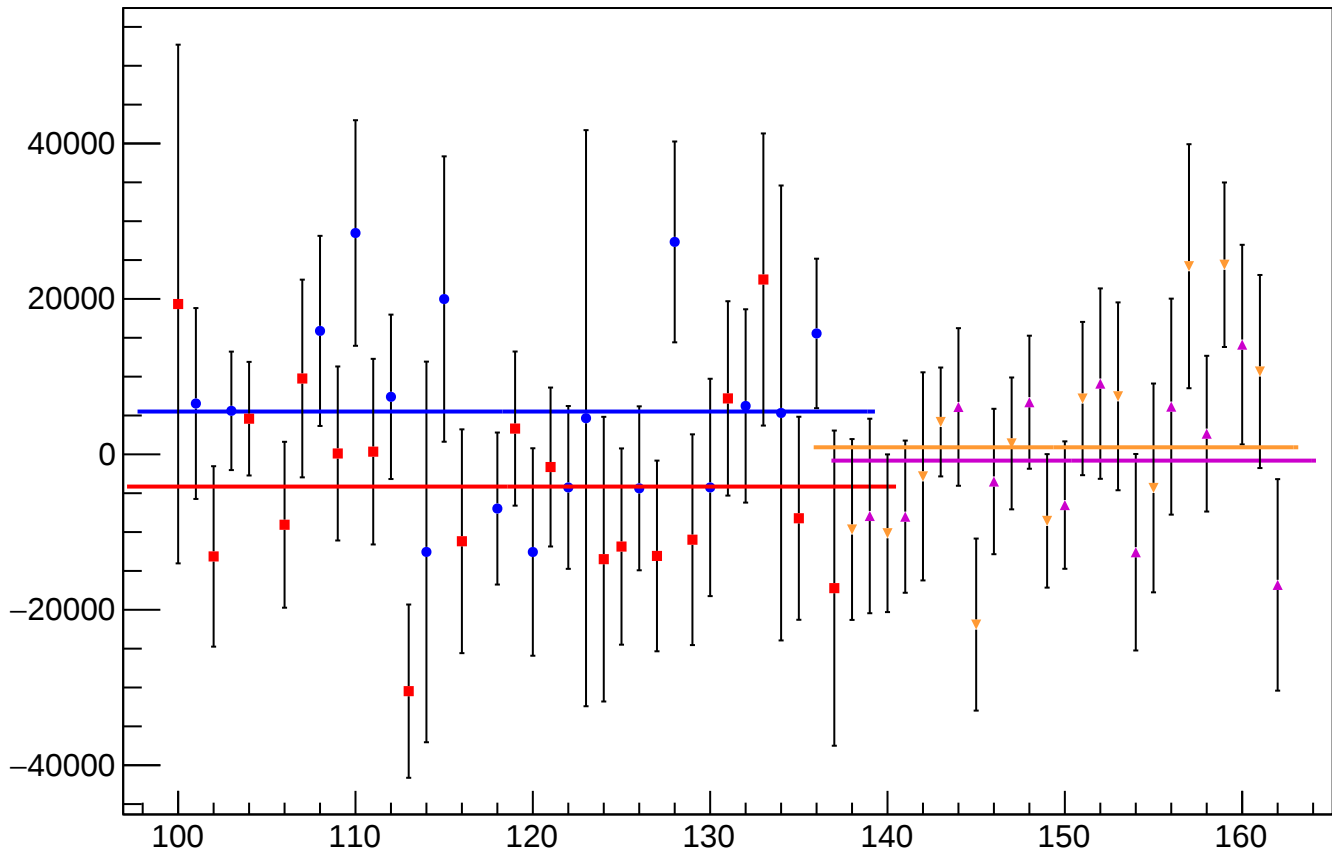
Left In: 9203.821 $\pm$ 2.119 χ^2 /NDF:561454.4/11

+ sign 7511.700 $\pm$ 1.368 χ^2 /NDF: 2412660.1/29

All: 7059.041 $\pm$ 0.934 χ^2 /NDF: 8633880.5/60

- sign 6663.631 $\pm$ 1.278 χ^2 /NDF: 6016020.1/30

asym_at2_avg_mean vs Slug



Right In: 5509.395+/-2971.033 χ^2/NDF : 14.1/16

Left Out: 909.492+/-2877.191 χ^2/NDF :16.4/12

Right Out: -4146.067+/-2790.212 χ^2/NDF : 15.4/18

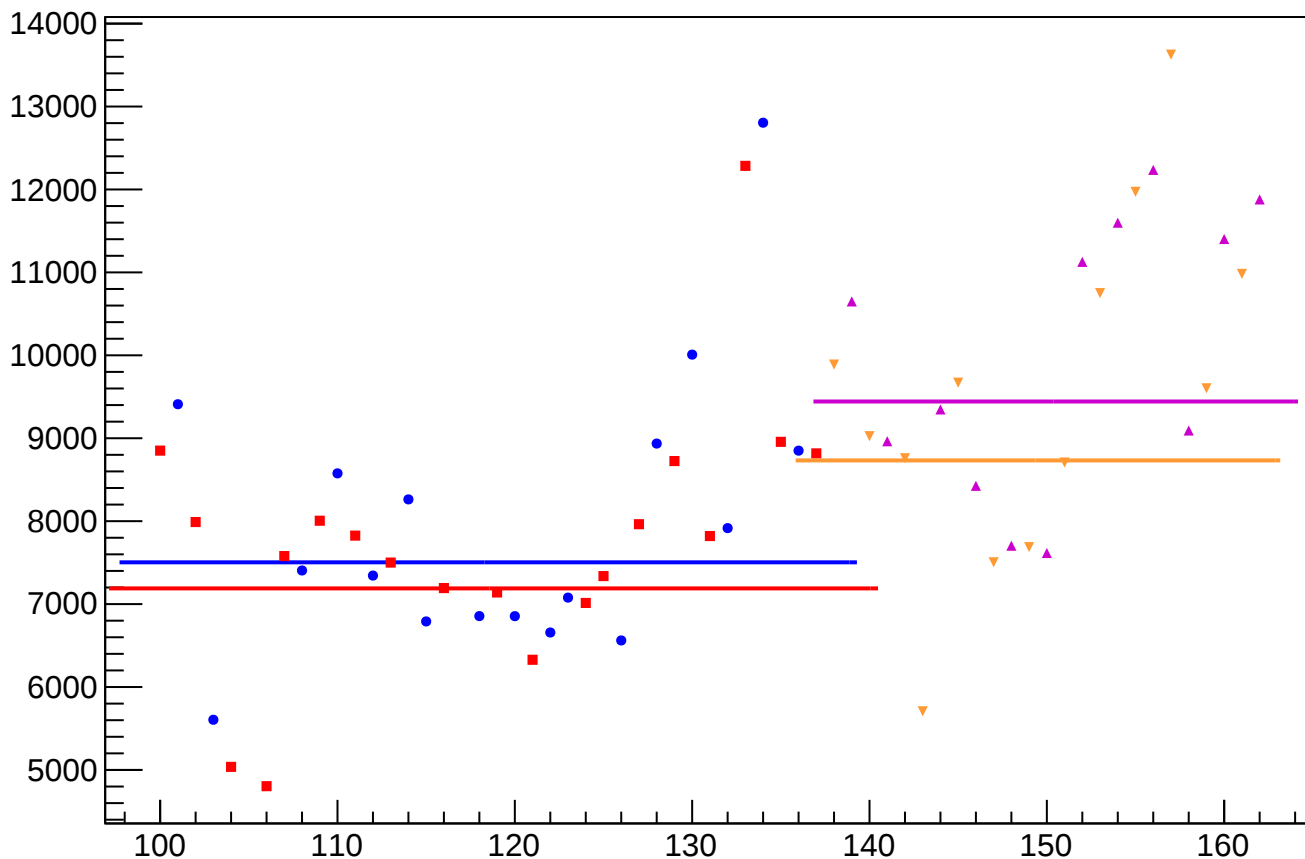
Left In: -805.898+/-3071.214 χ^2/NDF :7.3/11

+ sign 3135.651+/-2066.861 χ^2/NDF : 31.7/29

All: 247.622+/-1460.901 χ^2/NDF : 58.9/60

- sign -2635.746+/-2065.192 χ^2/NDF : 23.4/30

asym_at2_avg_rms vs Slug



Right In: 7503.667+/-2.101 χ^2 /NDF: 427313.5/16

Left Out: 8732.524+/-2.034 χ^2 /NDF: 925749.2/12

Right Out: 7189.231+/-1.973 χ^2 /NDF: 557703.4/18

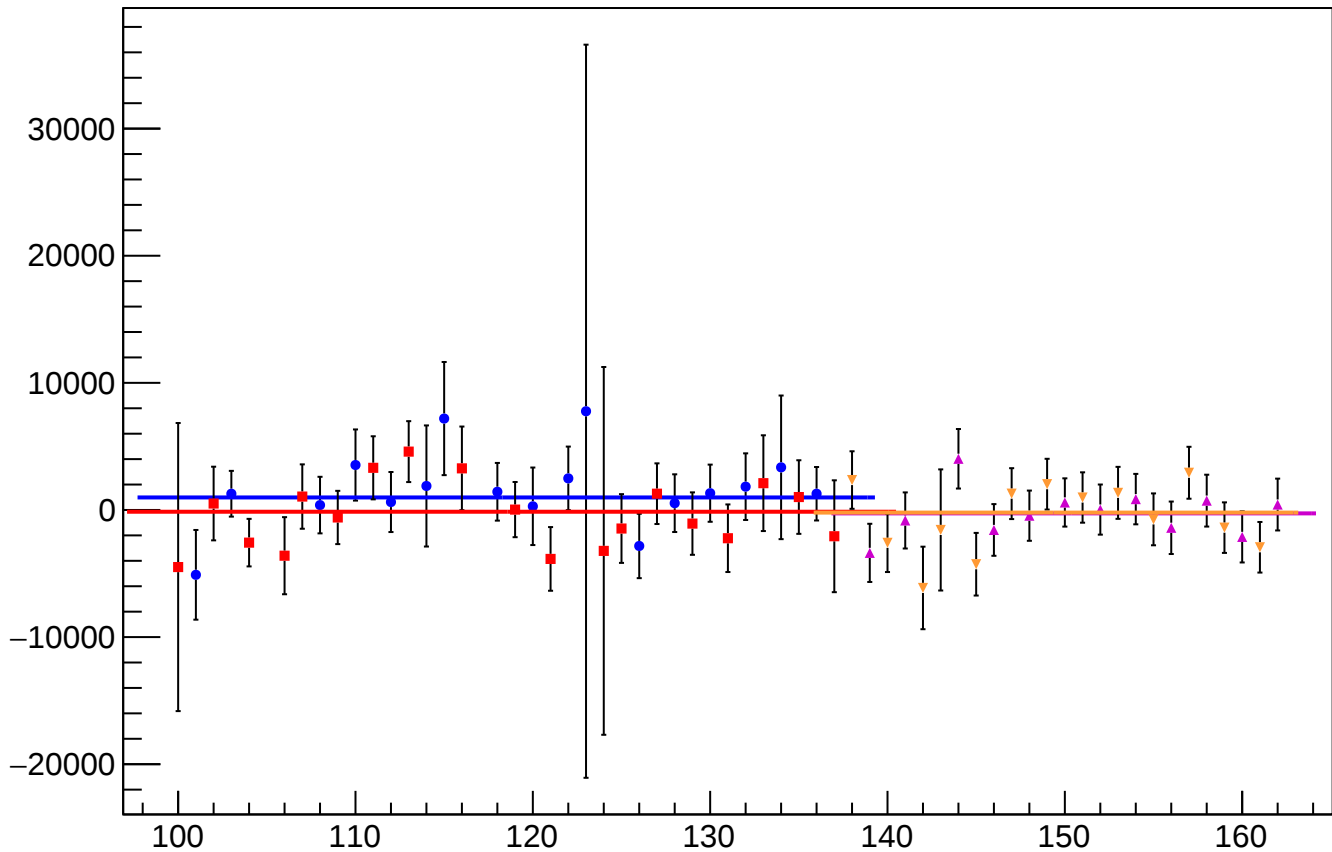
Left In: 9442.941+/-2.172 χ^2 /NDF: 518920.3/11

+ sign 8137.794+/-1.461 χ^2 /NDF: 1529631.9/29

All: 8173.000+/-1.033 χ^2 /NDF: 3197484.6/60

- sign 8208.146+/-1.460 χ^2 /NDF: 1666693.1/30

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 $\pm$ 644.630 χ^2 /NDF: 9.1/16

Left Out: -205.948 $\pm$ 612.195 χ^2 /NDF:15.9/12

Right Out: -138.627 $\pm$ 623.555 χ^2 /NDF: 14.7/18

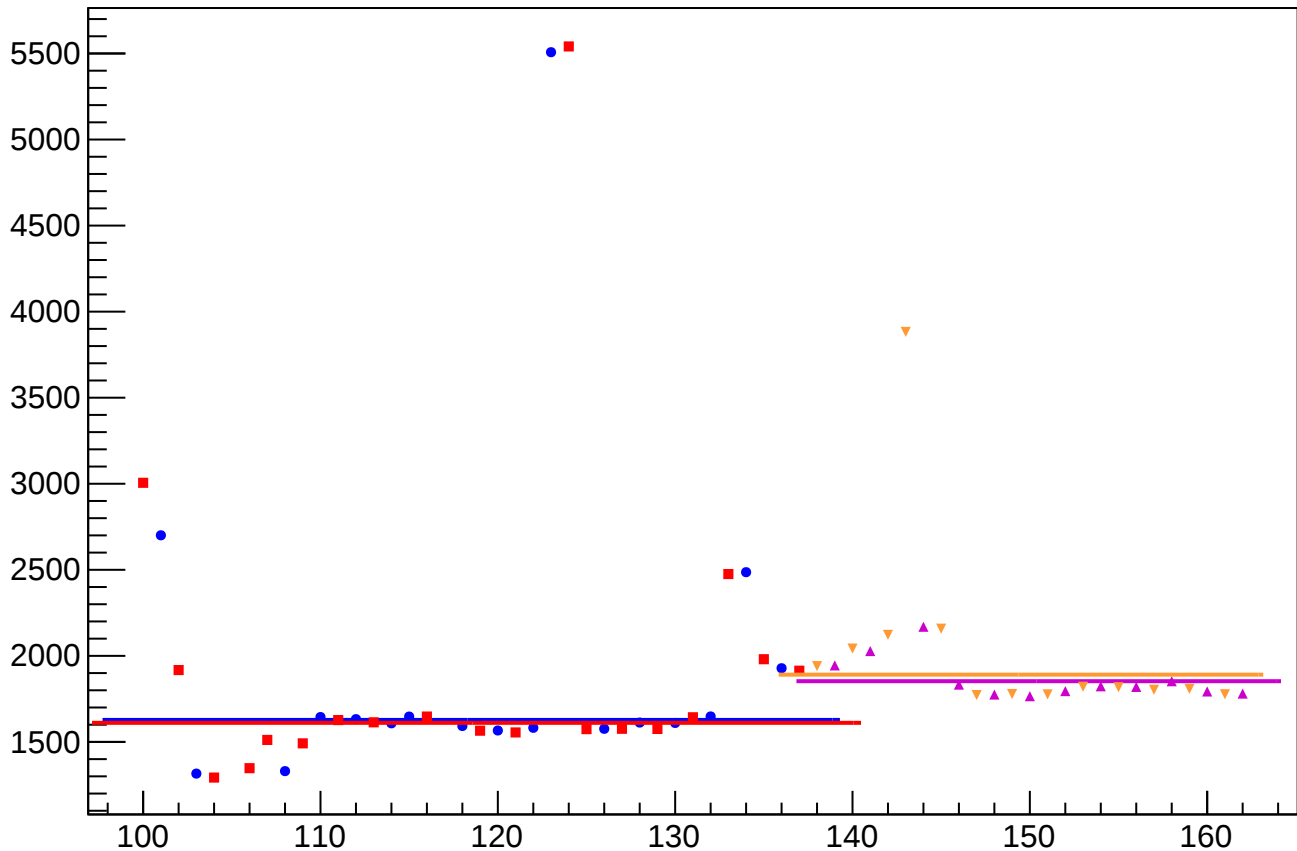
Left In: -268.562 $\pm$ 594.554 χ^2 /NDF:7.7/11

+ sign 359.026 $\pm$ 443.911 χ^2 /NDF: 26.7/29

All: 67.364 $\pm$ 308.968 χ^2 /NDF: 50.0/60

- sign -206.687 $\pm$ 430.300 χ^2 /NDF: 22.4/30

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1890.846 $\pm$ 0.433 χ^2 /NDF: 431448.7/12

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

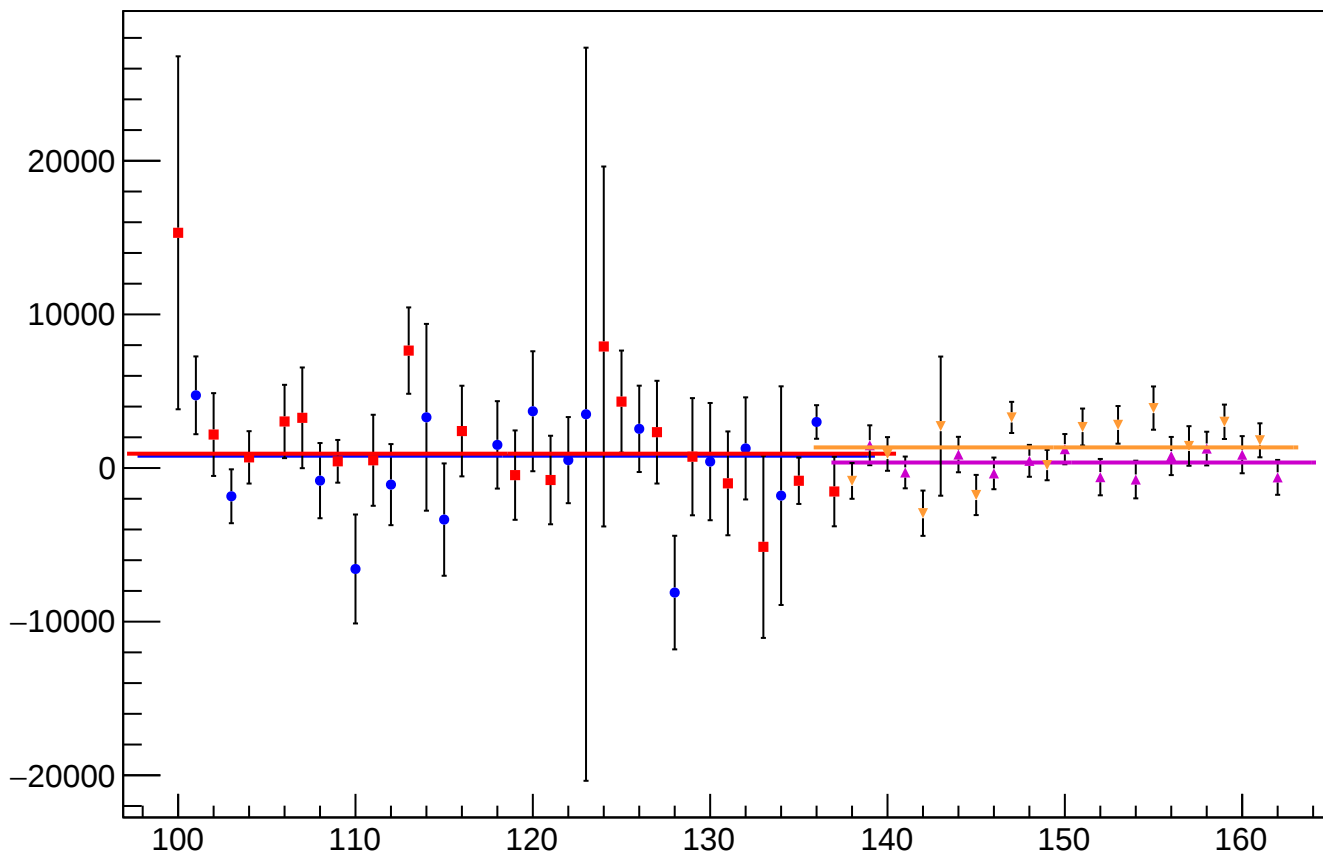
Left In: 1852.846 $\pm$ 0.420 χ^2 /NDF: 66741.8/11

+ sign 1766.124 $\pm$ 0.314 χ^2 /NDF: 1013606.2/29

All: 1751.445 $\pm$ 0.218 χ^2 /NDF: 1676205.2/60

- sign 1737.653 $\pm$ 0.304 χ^2 /NDF: 658357.5/30

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 1343.085 $\pm$ 338.334 χ^2 /NDF:31.2/12

Right Out: 933.645 $\pm$ 589.727 χ^2 /NDF: 15.3/18

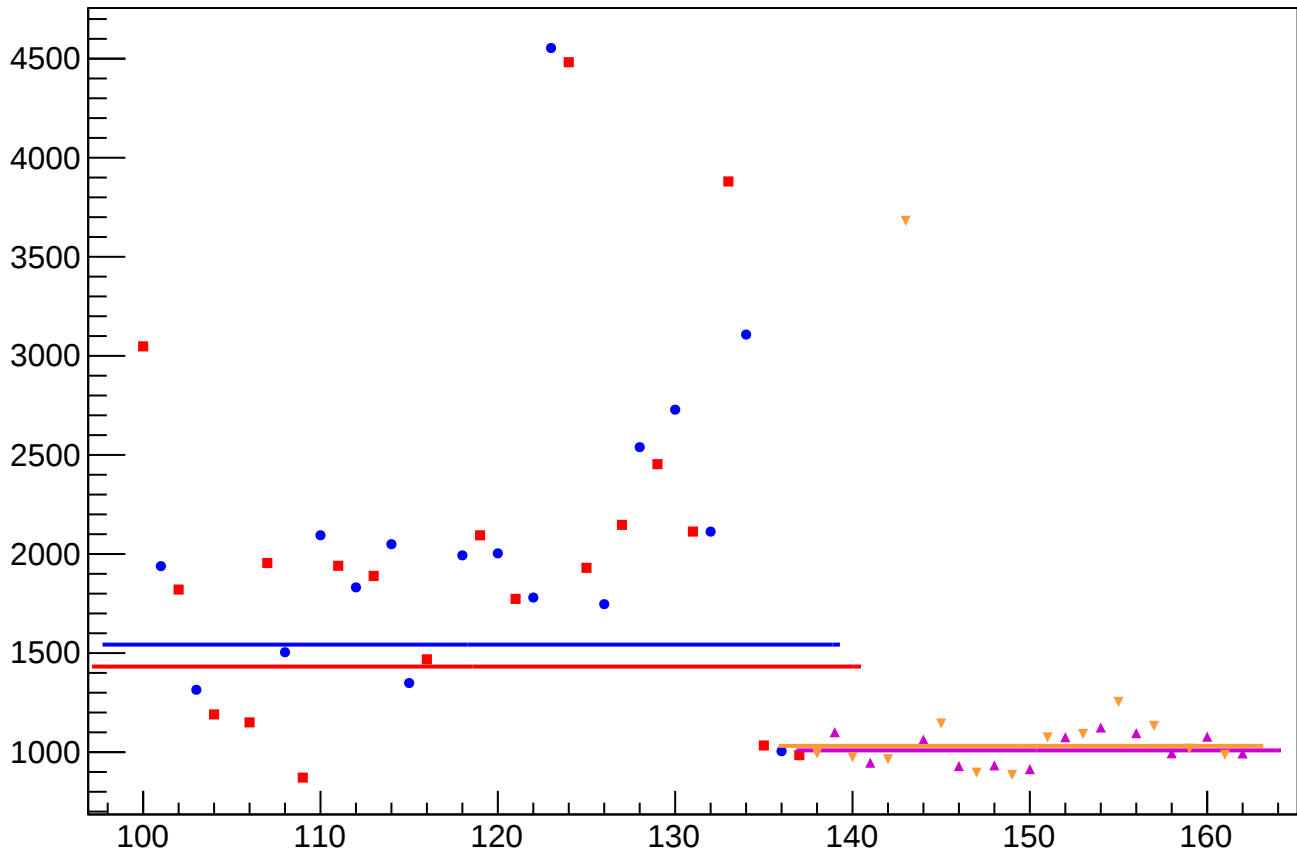
Left In: 358.724 $\pm$ 324.418 χ^2 /NDF:5.8/11

+ sign 1222.696 $\pm$ 298.247 χ^2 /NDF: 54.2/29

All: 839.948 $\pm$ 205.764 χ^2 /NDF: 79.1/60

- sign 492.290 $\pm$ 284.247 χ^2 /NDF: 21.8/30

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705+/-0.447 χ^2/NDF : 1287946.3/16

Left Out: 1031.674+/-0.239 χ^2/NDF : 863837.2/12

+ sign 1145.597+/-0.211 χ^2/NDF : 3168960.7/29

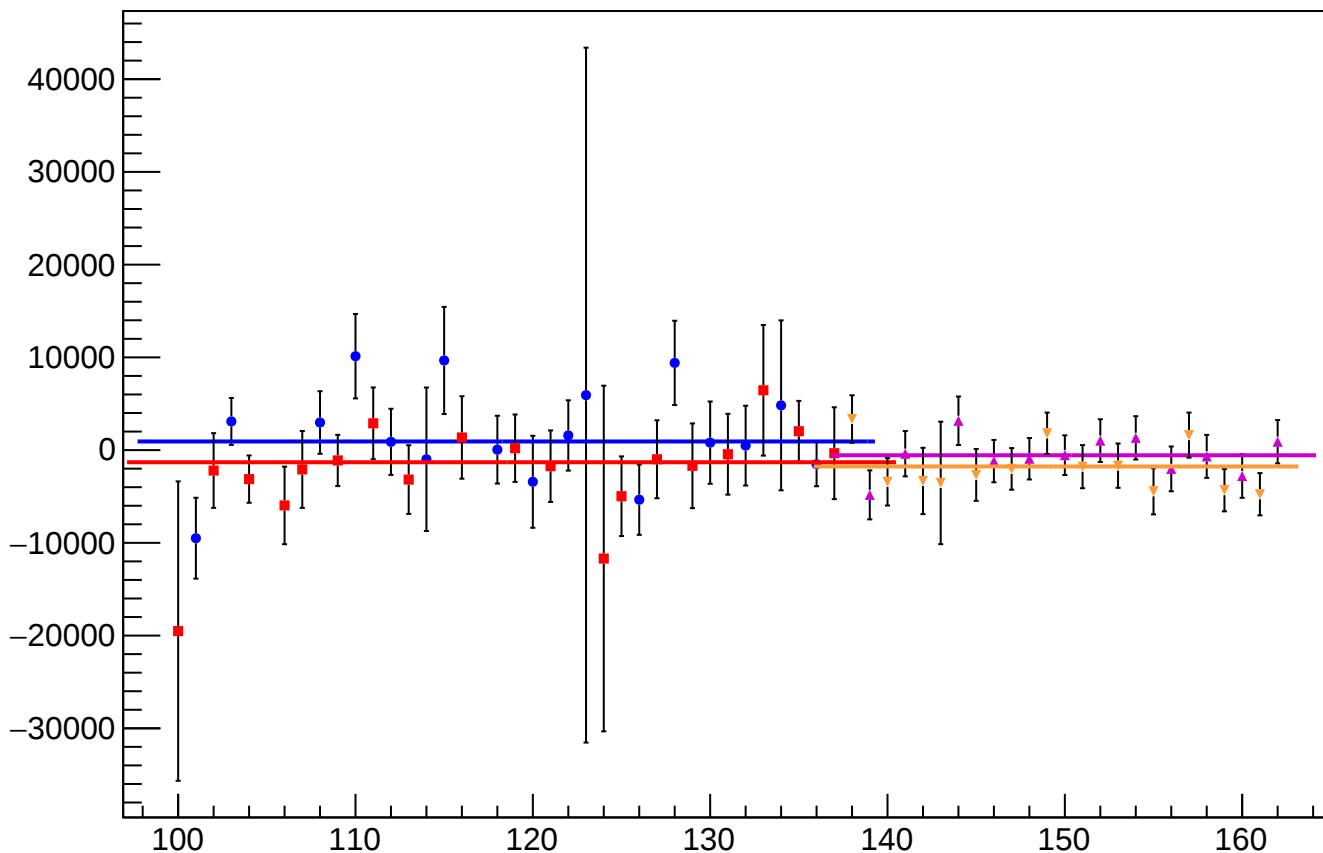
Right Out: 1432.013+/-0.417 χ^2/NDF : 1823809.4/18

All: 1125.468+/-0.145 χ^2/NDF : 5904372.4/60

Left In: 1008.881+/-0.229 χ^2/NDF : 103792.3/11

- sign 1107.183+/-0.201 χ^2/NDF : 2718025.6/30

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1764.419 ± 705.578 χ^2/NDF : 13.4/12

Right Out: -1307.802 ± 925.415 χ^2/NDF : 8.5/18

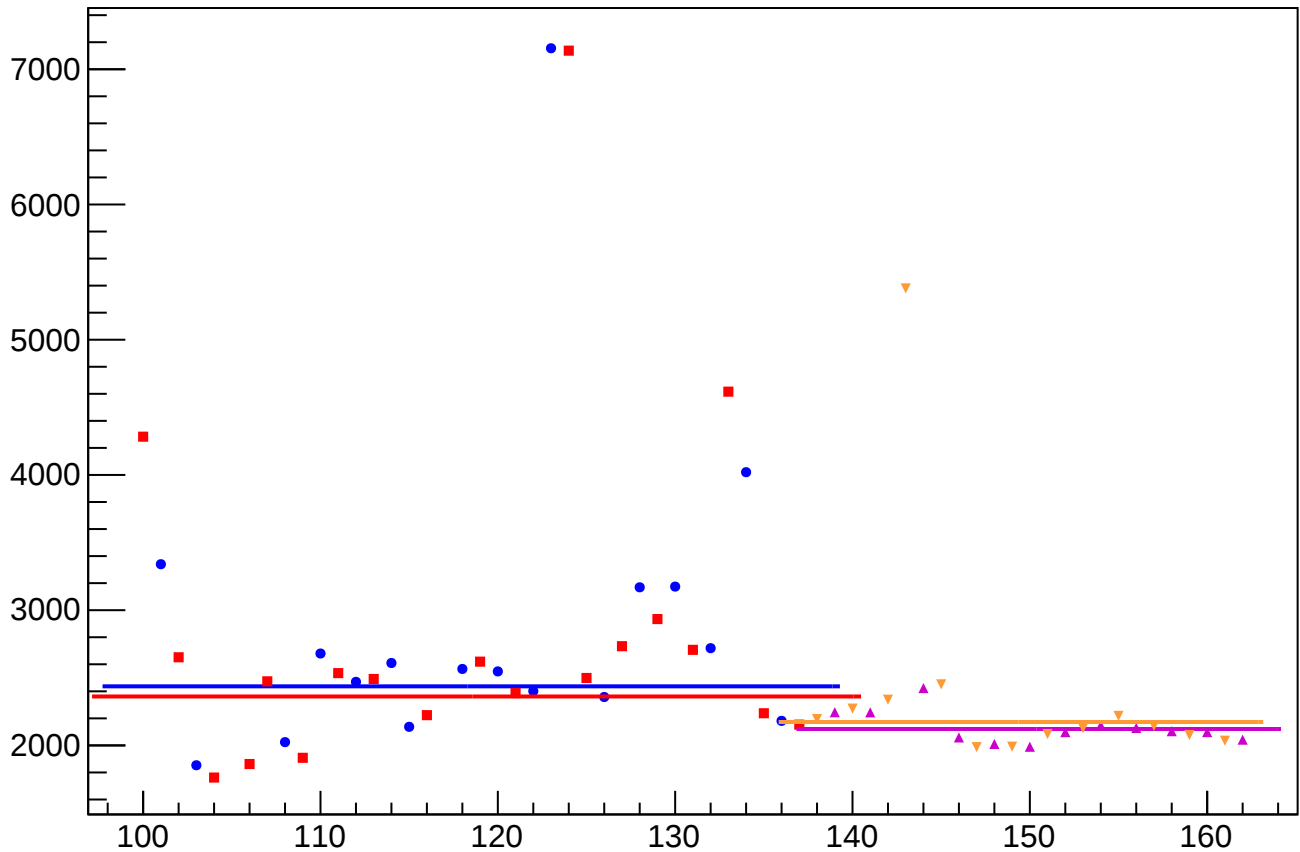
Left In: -557.406 ± 680.497 χ^2/NDF : 7.5/11

+ sign -828.512 ± 570.172 χ^2/NDF : 40.1/29

All: -824.485 ± 395.187 χ^2/NDF : 56.5/60

- sign -820.762 ± 548.230 χ^2/NDF : 16.4/30

asym_at2_dd_rms vs Slug



Right In: 2436.855 ± 0.684 χ^2/NDF : 469030.2/16

Left Out: 2173.150 ± 0.499 χ^2/NDF : 541281.8/12

Right Out: 2361.880 ± 0.654 χ^2/NDF : 655847.5/18

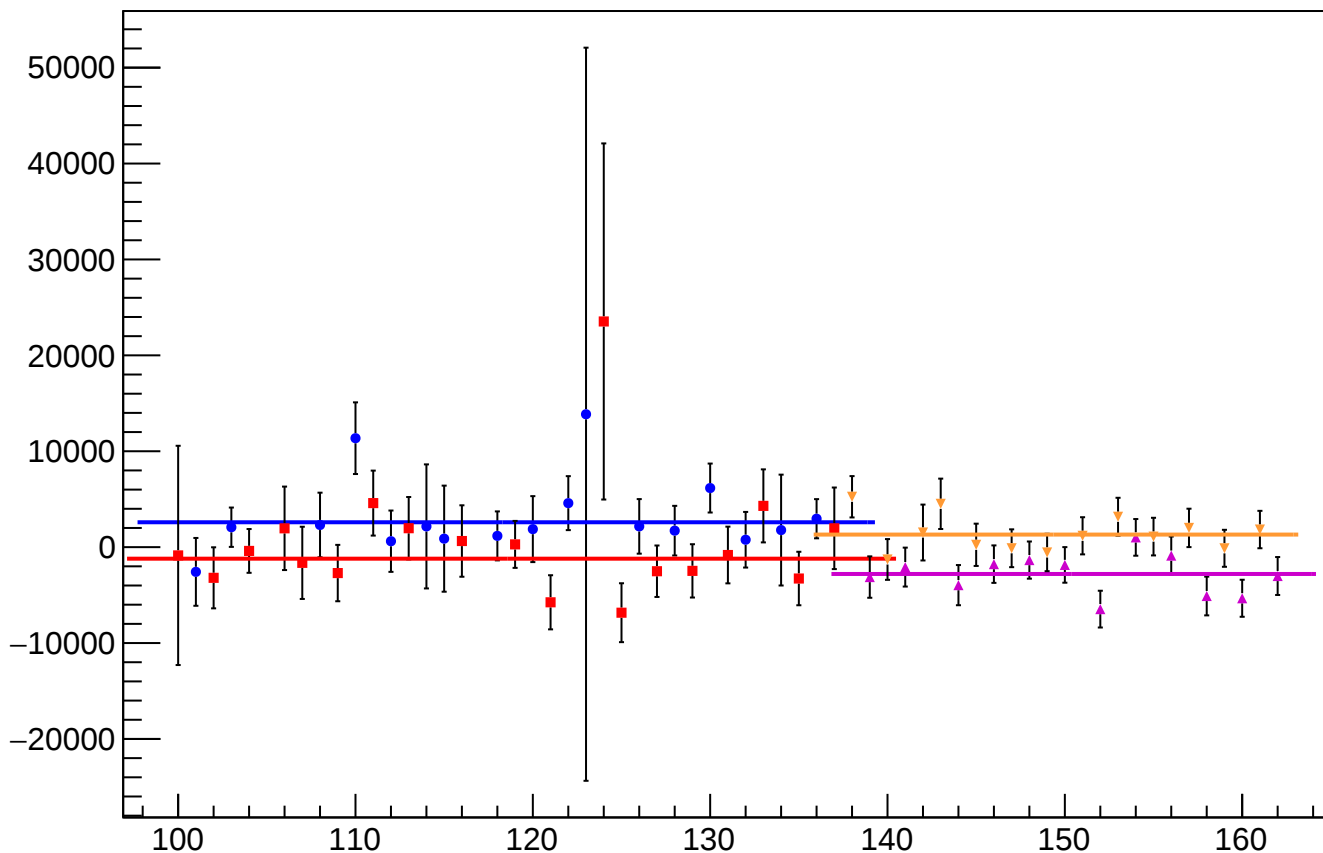
Left In: 2121.452 ± 0.481 χ^2/NDF : 53179.9/11

+ sign 2264.653 ± 0.403 χ^2/NDF : 1107249.3/29

All: 2234.089 ± 0.279 χ^2/NDF : 1914957.1/60

- sign 2205.832 ± 0.388 χ^2/NDF : 796647.7/30

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684 ± 743.000 χ^2/NDF : 11.7/16

Left Out: 1310.749 ± 578.502 χ^2/NDF : 9.6/12

Right Out: -1202.548 ± 739.618 χ^2/NDF : 17.2/18

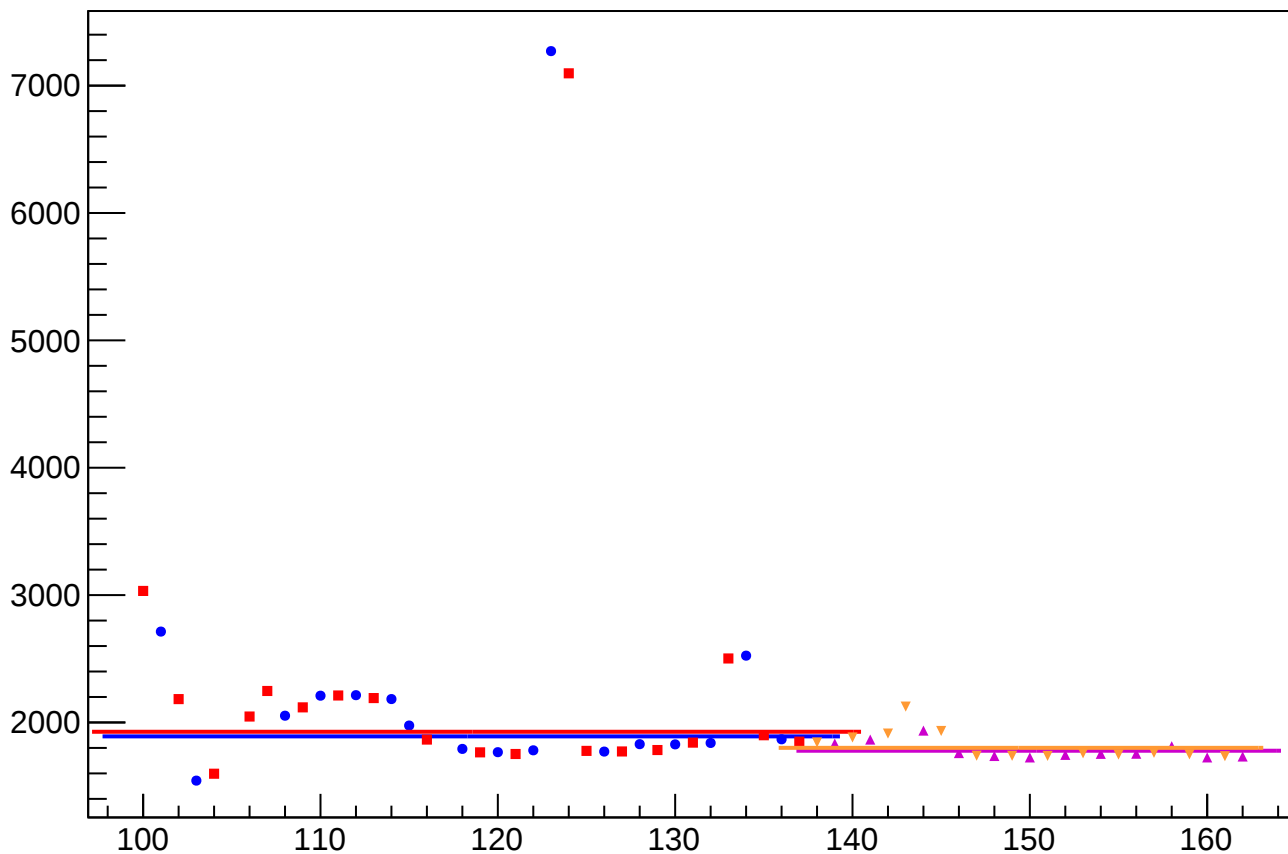
Left In: -2797.365 ± 570.648 χ^2/NDF : 13.1/11

+ sign 1795.333 ± 456.459 χ^2/NDF : 23.2/29

All: -223.953 ± 321.107 χ^2/NDF : 95.2/60

- sign -2202.257 ± 451.803 χ^2/NDF : 33.3/30

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721 ± 0.525 $\chi^2/\text{NDF}: 288944.9/16$

Left Out: 1800.697 ± 0.409 $\chi^2/\text{NDF}: 57272.2/12$

+ sign 1834.674 ± 0.323 $\chi^2/\text{NDF}: 364496.8/29$

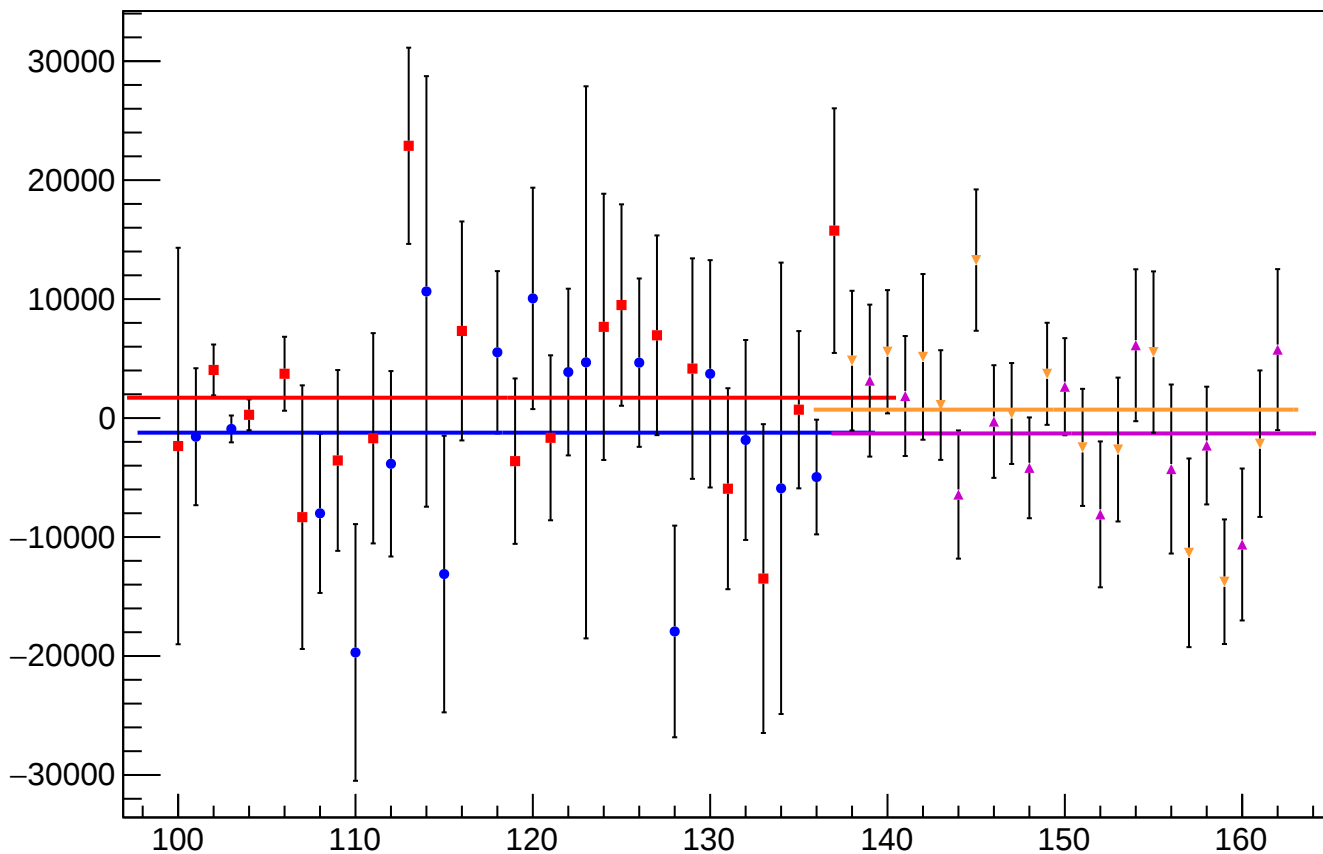
Right Out: 1926.949 ± 0.522 $\chi^2/\text{NDF}: 362254.5/18$

All: 1834.183 ± 0.227 $\chi^2/\text{NDF}: 801172.3/60$

Left In: 1778.020 ± 0.404 $\chi^2/\text{NDF}: 23484.0/11$

- sign 1833.702 ± 0.319 $\chi^2/\text{NDF}: 436670.9/30$

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915 ± 984.603 χ^2/NDF : 13.8/16

Left Out: 709.384 ± 1505.234 χ^2/NDF : 18.1/12

Right Out: 1711.747 ± 941.580 χ^2/NDF : 17.8/18

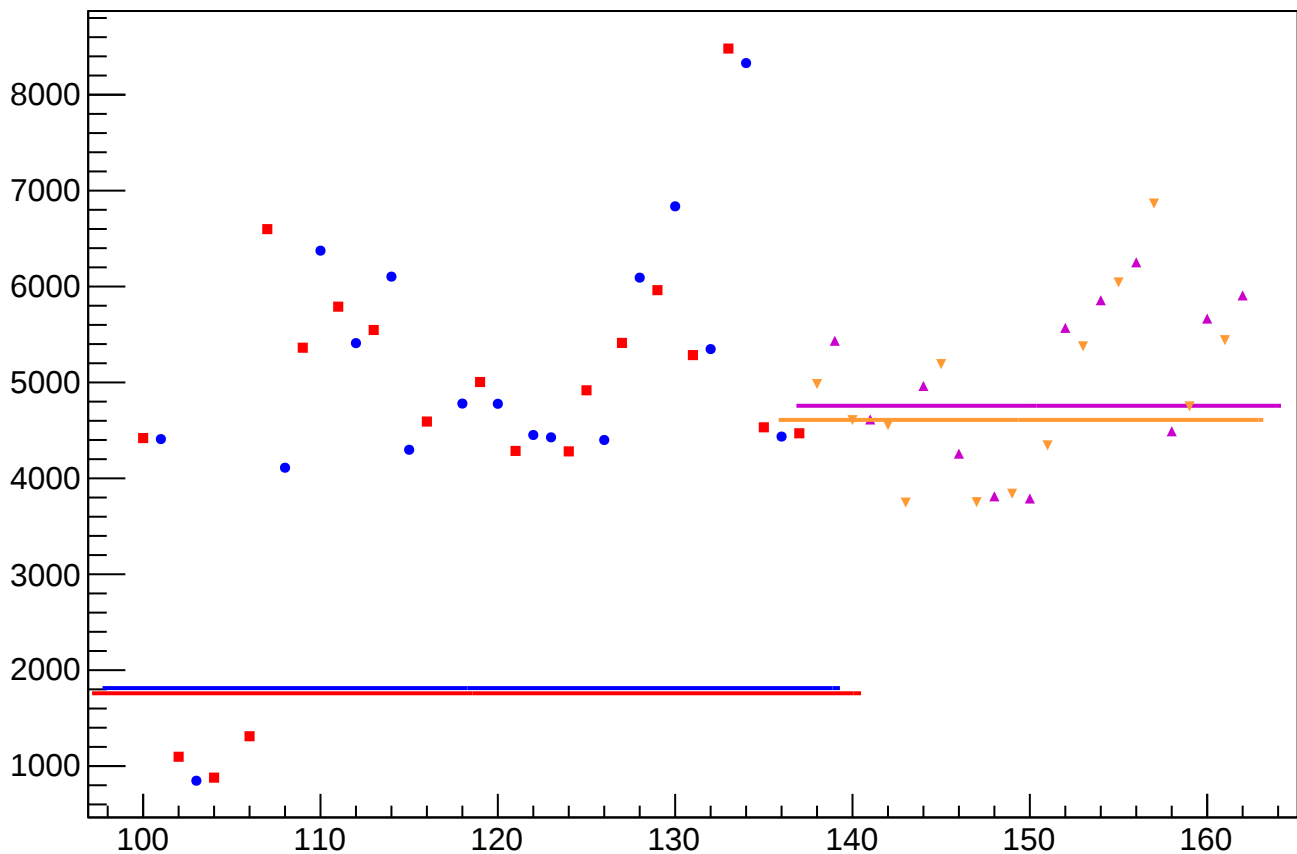
Left In: -1291.880 ± 1548.896 χ^2/NDF : 9.2/11

+ sign -646.689 ± 823.980 χ^2/NDF : 33.1/29

All: 145.730 ± 575.660 χ^2/NDF : 64.7/60

- sign 901.273 ± 804.579 χ^2/NDF : 29.8/30

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 $\chi^2/\text{NDF}: 6449038.4/16$

Left Out: 4609.588+/-1.064 $\chi^2/\text{NDF}: 570733.3/12$

Right Out: 1759.135+/-0.666 $\chi^2/\text{NDF}: 6313068.7/18$

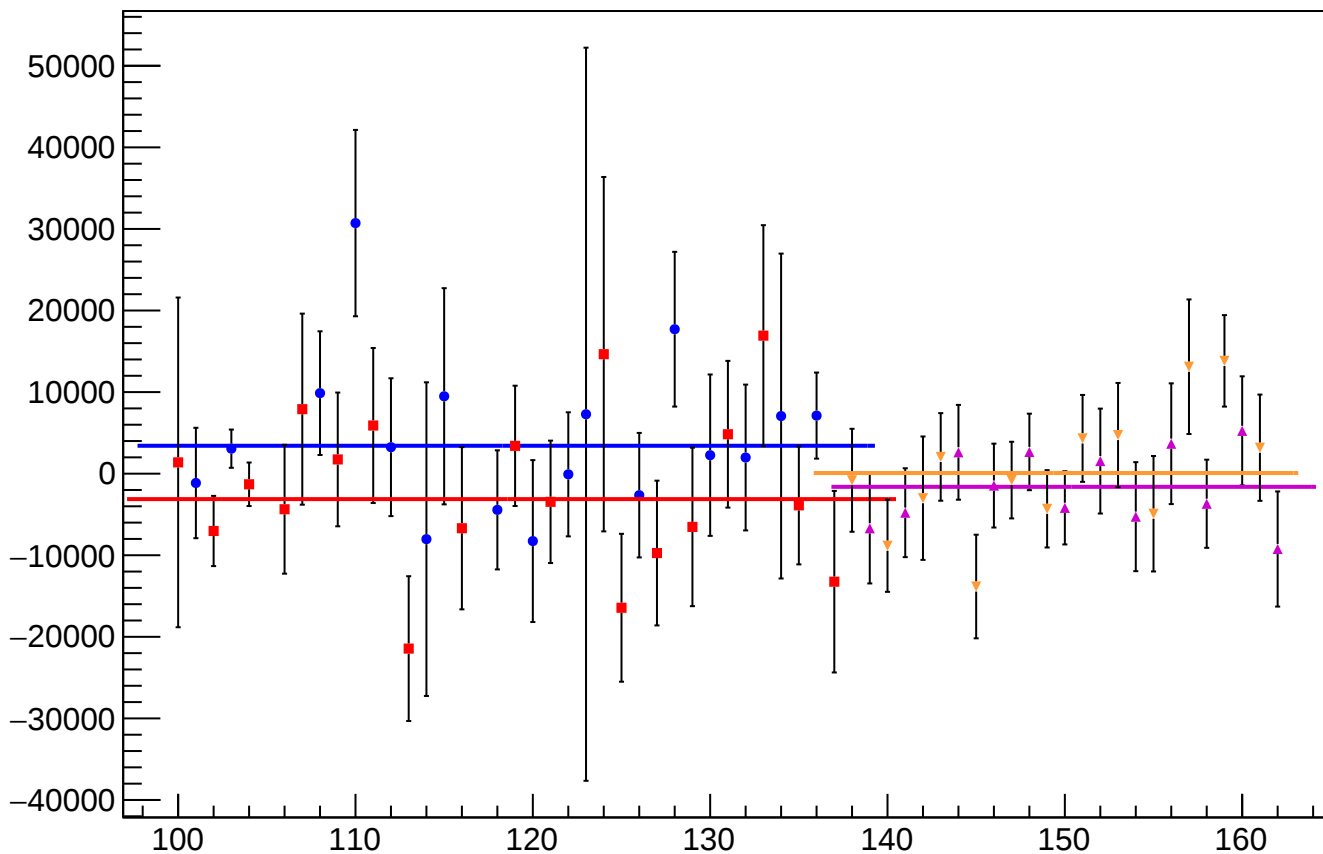
Left In: 4756.805+/-1.095 $\chi^2/\text{NDF}: 548213.0/11$

+ sign 2651.155+/-0.583 $\chi^2/\text{NDF}: 11854019.0/29$

All: 2608.587+/-0.407 $\chi^2/\text{NDF}: 24195583.4/6$

- sign 2568.001+/-0.569 $\chi^2/\text{NDF}: 12331137.5/30$

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: 80.630+/-1637.512 χ^2/NDF : 18.9/12

Right Out: -3117.857+/-1605.930 χ^2/NDF : 16.0/18

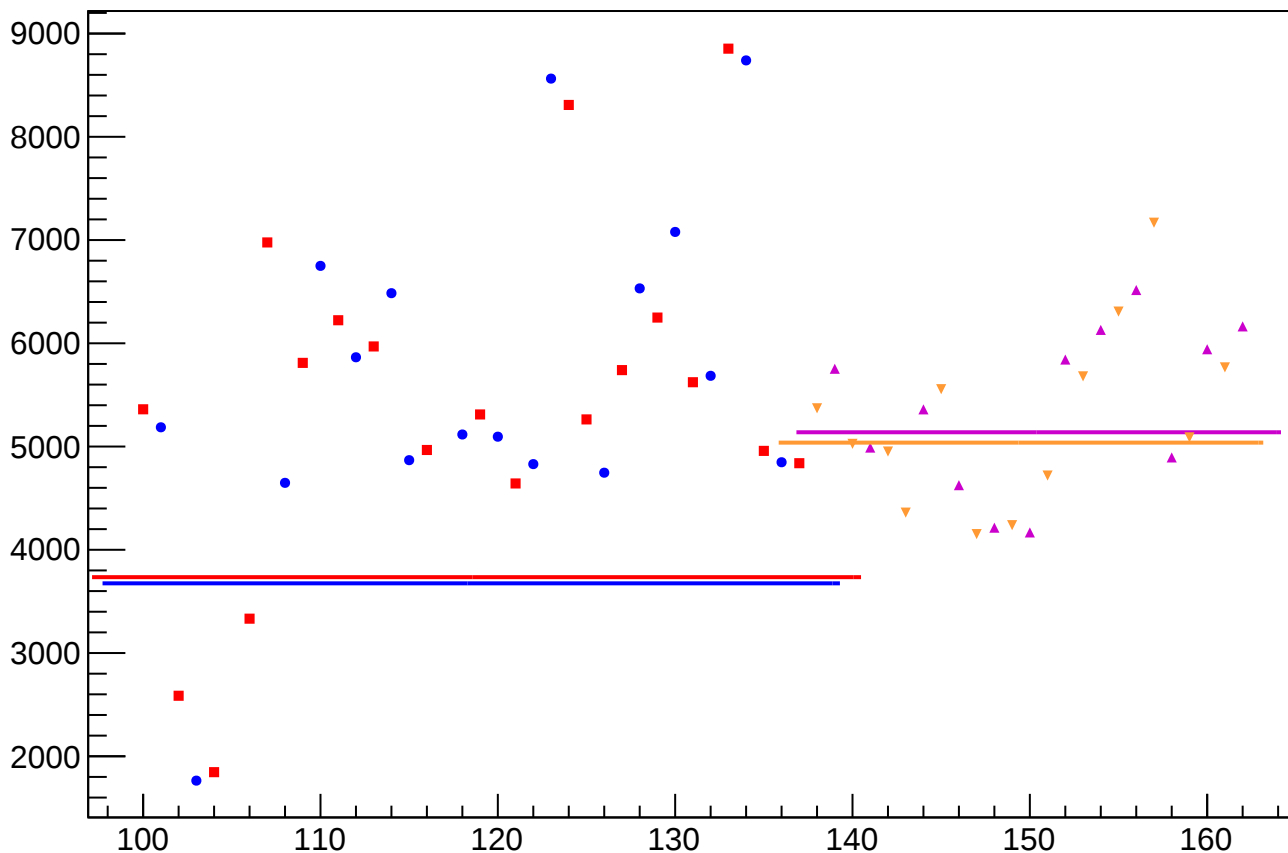
Left In: -1613.165+/-1667.264 χ^2/NDF : 6.0/11

+ sign 1782.695+/-1146.839 χ^2/NDF : 34.7/29

All: -287.732+/-814.381 χ^2/NDF : 63.7/60

- sign -2393.696+/-1156.639 χ^2/NDF : 22.4/30

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5037.904+/-1.158 χ^2/NDF : 429357.2/12

Right Out: 3734.796+/-1.128 χ^2/NDF : 2693929.0/18

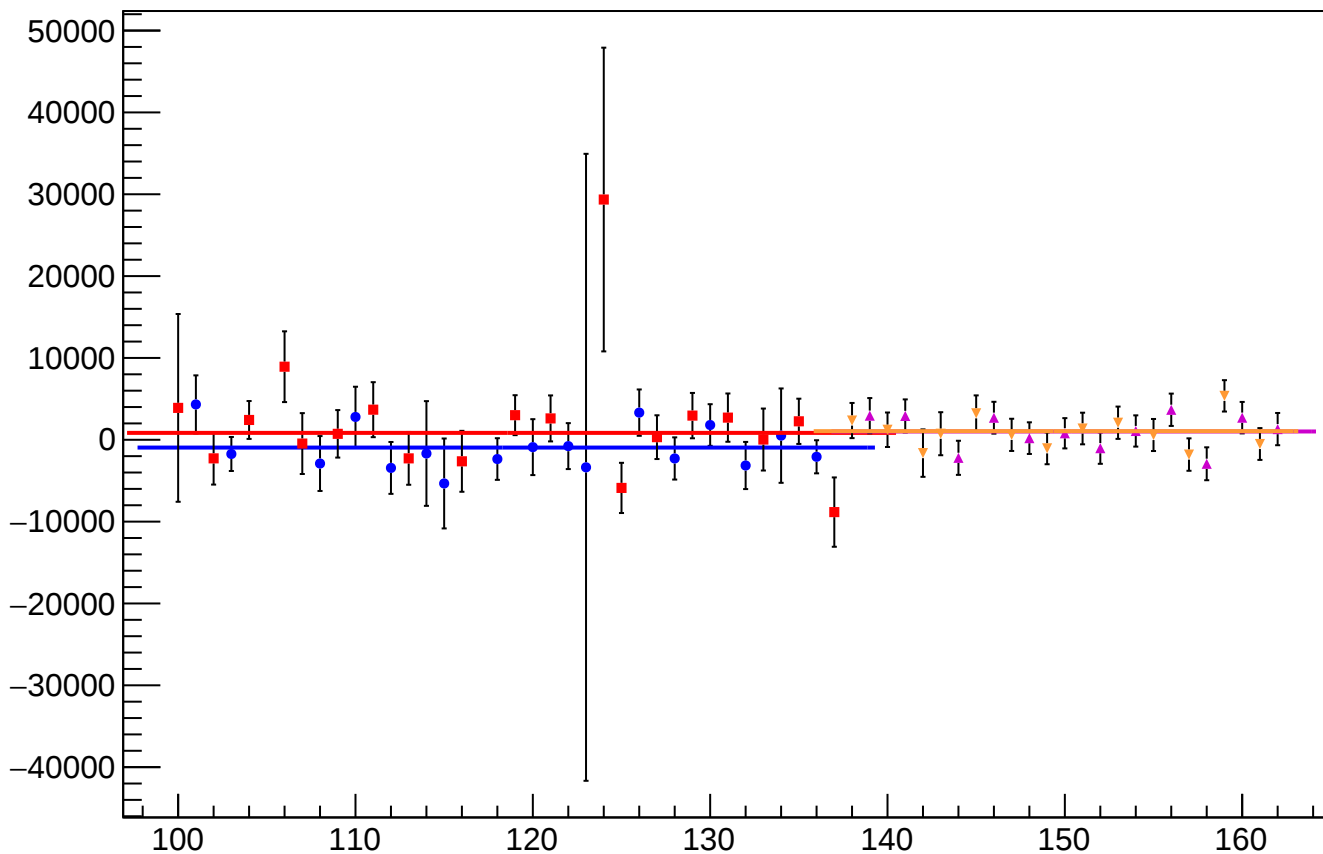
Left In: 5138.259+/-1.179 χ^2/NDF : 424643.4/11

+ sign 4343.501+/-0.811 χ^2/NDF : 3910332.3/29

All: 4374.379+/-0.575 χ^2/NDF : 7771666.2/60

- sign 4405.571+/-0.815 χ^2/NDF : 3858419.5/30

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1053.027+/-576.021 χ^2/NDF : 11.6/12

Right Out: 843.515+/-737.527 χ^2/NDF : 22.5/18

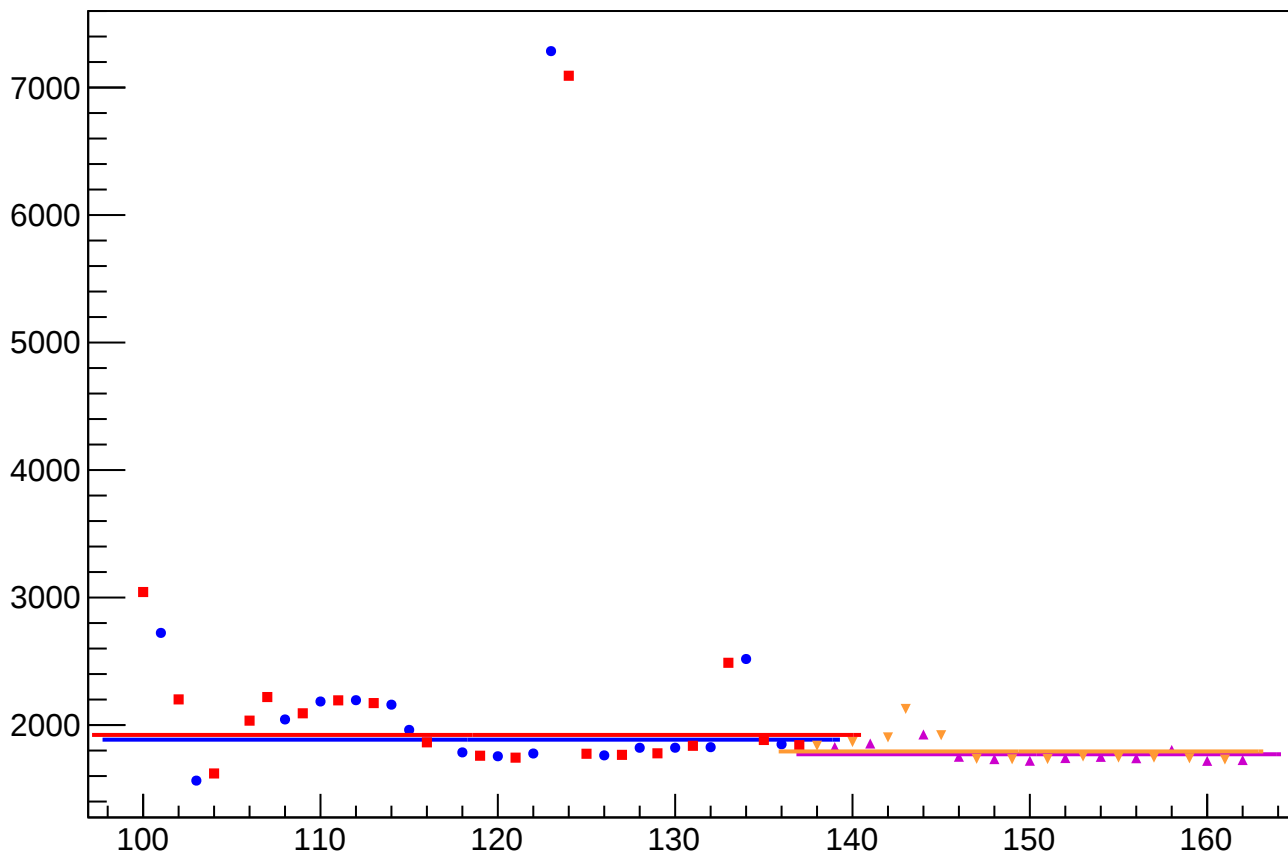
Left In: 1014.762+/-568.350 χ^2/NDF : 12.6/11

+ sign 297.610+/-454.700 χ^2/NDF : 26.1/29

All: 627.542+/-319.913 χ^2/NDF : 62.3/60

- sign 950.957+/-450.186 χ^2/NDF : 35.2/30

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1793.023+/-0.407 χ^2/NDF : 57685.9/12

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

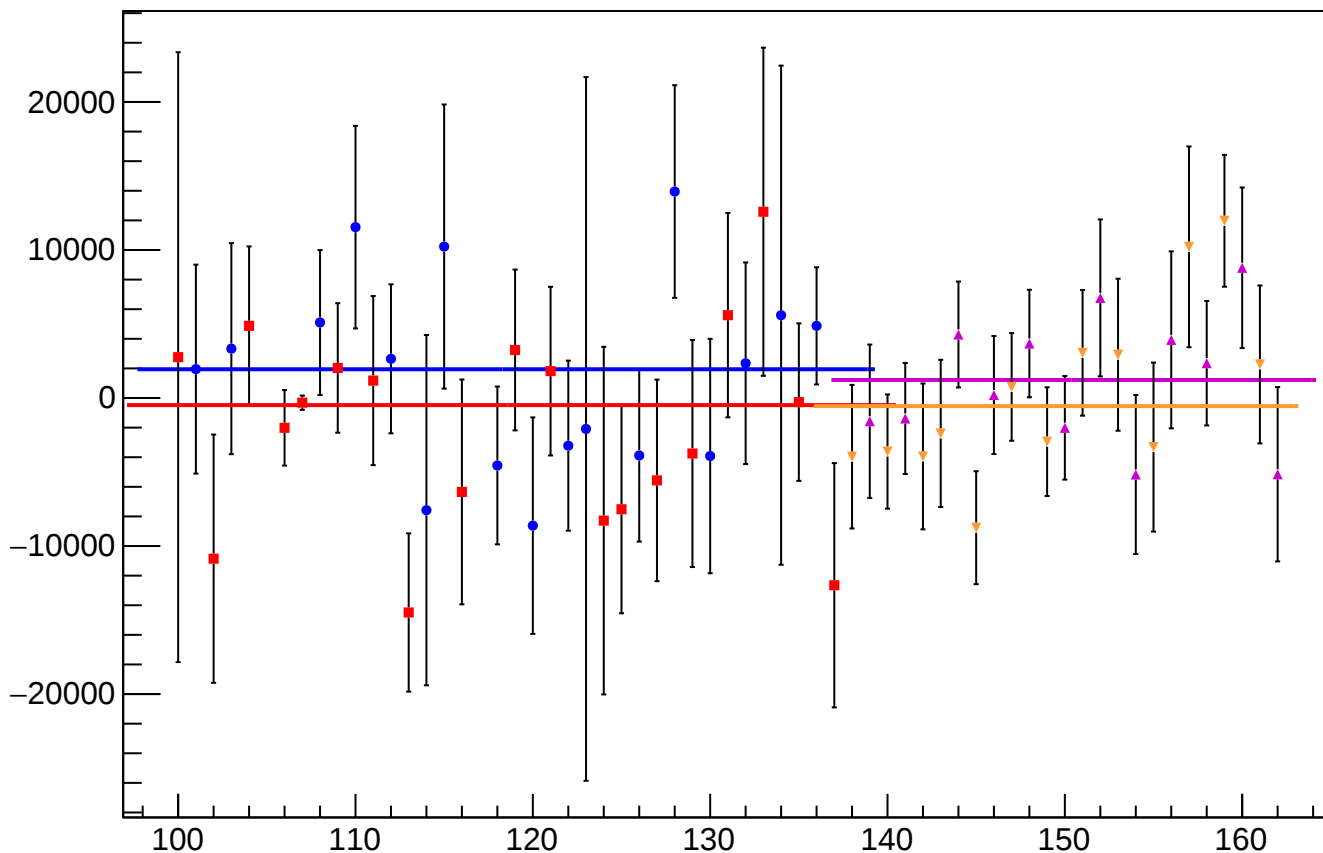
Left In: 1770.897+/-0.402 χ^2/NDF : 22704.6/11

+ sign 1827.823+/-0.322 χ^2/NDF : 357483.8/29

All: 1827.663+/-0.226 χ^2/NDF : 784852.5/60

- sign 1827.507+/-0.318 χ^2/NDF : 427368.2/30

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178 $\pm$ 1581.060 χ^2 /NDF: 13.2/16

Left Out: -545.946 $\pm$ 1248.784 χ^2 /NDF:19.0/12

Right Out: -478.828 $\pm$ 453.684 χ^2 /NDF: 18.1/18

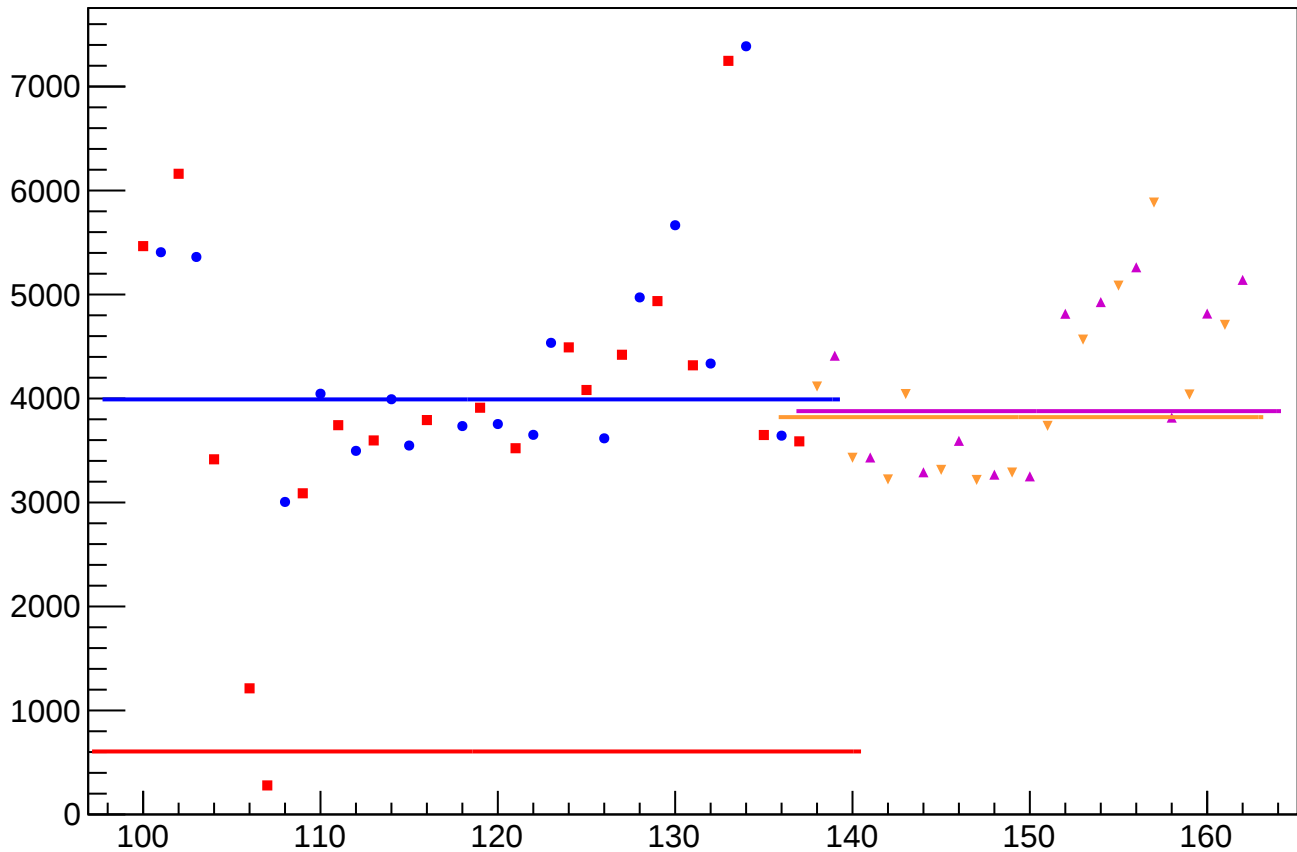
Left In: 1218.722 $\pm$ 1265.532 χ^2 /NDF:8.8/11

+ sign 410.321 $\pm$ 979.975 χ^2 /NDF: 33.8/29

All: -174.449 $\pm$ 391.508 χ^2 /NDF: 62.6/60

- sign -285.509 $\pm$ 427.071 χ^2 /NDF: 28.4/30

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3820.919+/-0.883 χ^2/NDF : 580438.5/12

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

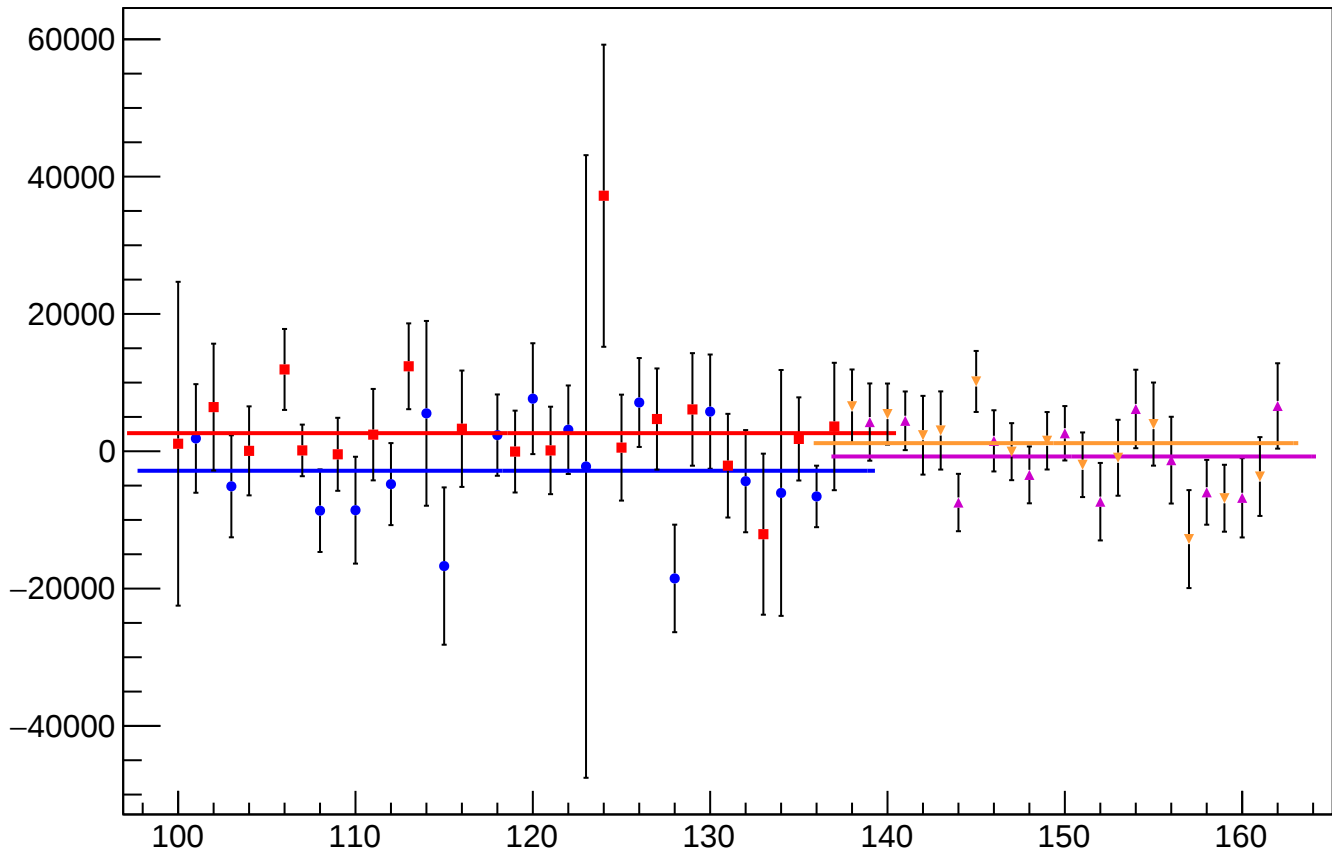
Left In: 3878.502+/-0.895 χ^2/NDF : 632465.3/11

+ sign 3886.420+/-0.693 χ^2/NDF : 1105543.9/29

All: 1442.574+/-0.277 χ^2/NDF : 38637154.3/6

- sign 978.439+/-0.302 χ^2/NDF : 22731464.4/30

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 ± 1786.019 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 1181.761 ± 1400.815 $\chi^2/\text{NDF}: 14.3/12$

Right Out: 2637.071 ± 1575.105 $\chi^2/\text{NDF}: 11.2/18$

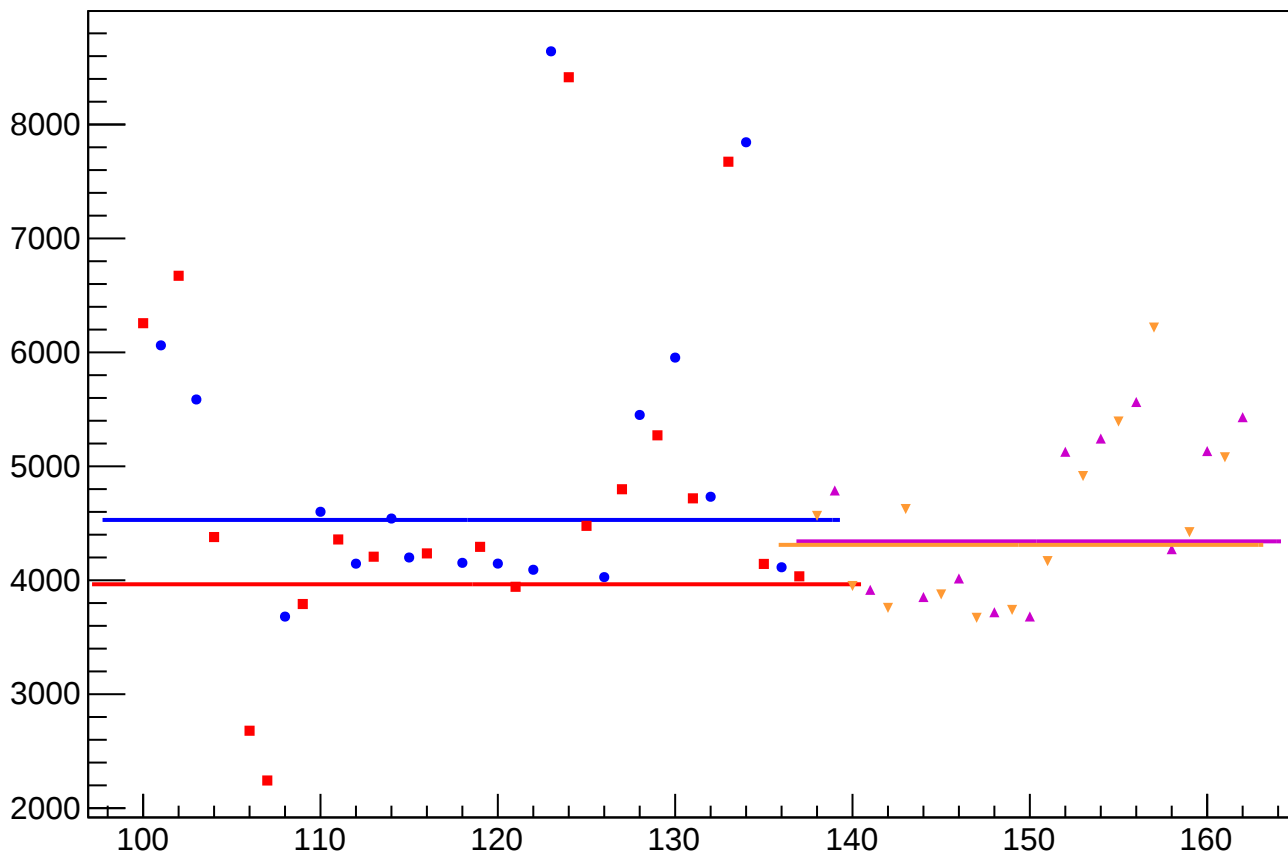
Left In: -760.362 ± 1408.747 $\chi^2/\text{NDF}: 12.8/11$

+ sign -349.842 ± 1102.231 $\chi^2/\text{NDF}: 32.9/29$

All: 226.485 ± 760.272 $\chi^2/\text{NDF}: 60.0/60$

- sign 749.526 ± 1050.041 $\chi^2/\text{NDF}: 26.6/30$

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4310.754+/-0.991 χ^2/NDF : 415786.5/12

Right Out: 3964.829+/-1.107 χ^2/NDF : 1140409.6/18

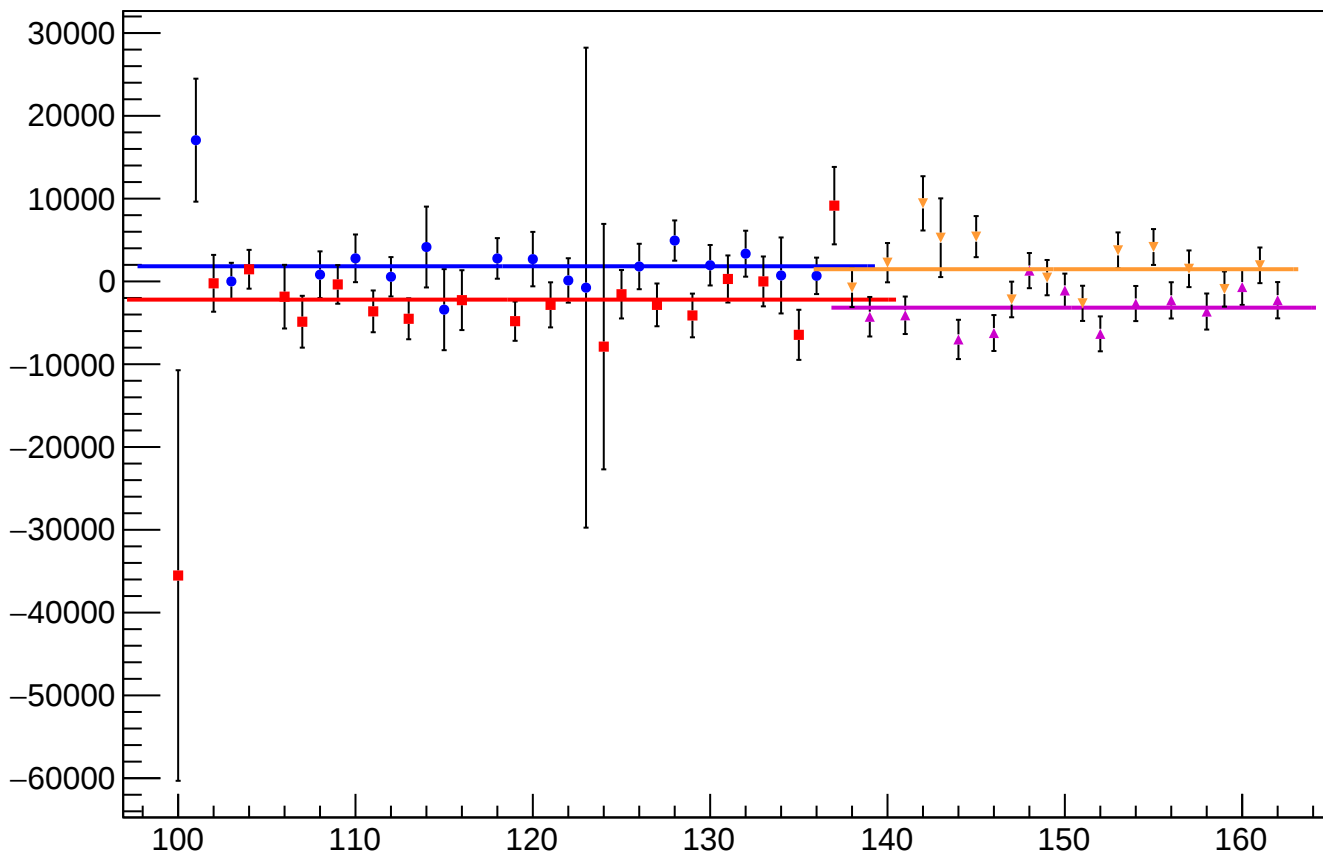
Left In: 4341.510+/-0.996 χ^2/NDF : 434195.2/11

+ sign 4394.052+/-0.779 χ^2/NDF : 823680.9/29

All: 4277.808+/-0.537 χ^2/NDF : 2504605.2/60

- sign 4172.912+/-0.740 χ^2/NDF : 1638606.4/30

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 1474.872 $\pm$ 647.841 χ^2 /NDF:20.9/12

Right Out: -2198.063 $\pm$ 684.205 χ^2 /NDF: 18.3/18

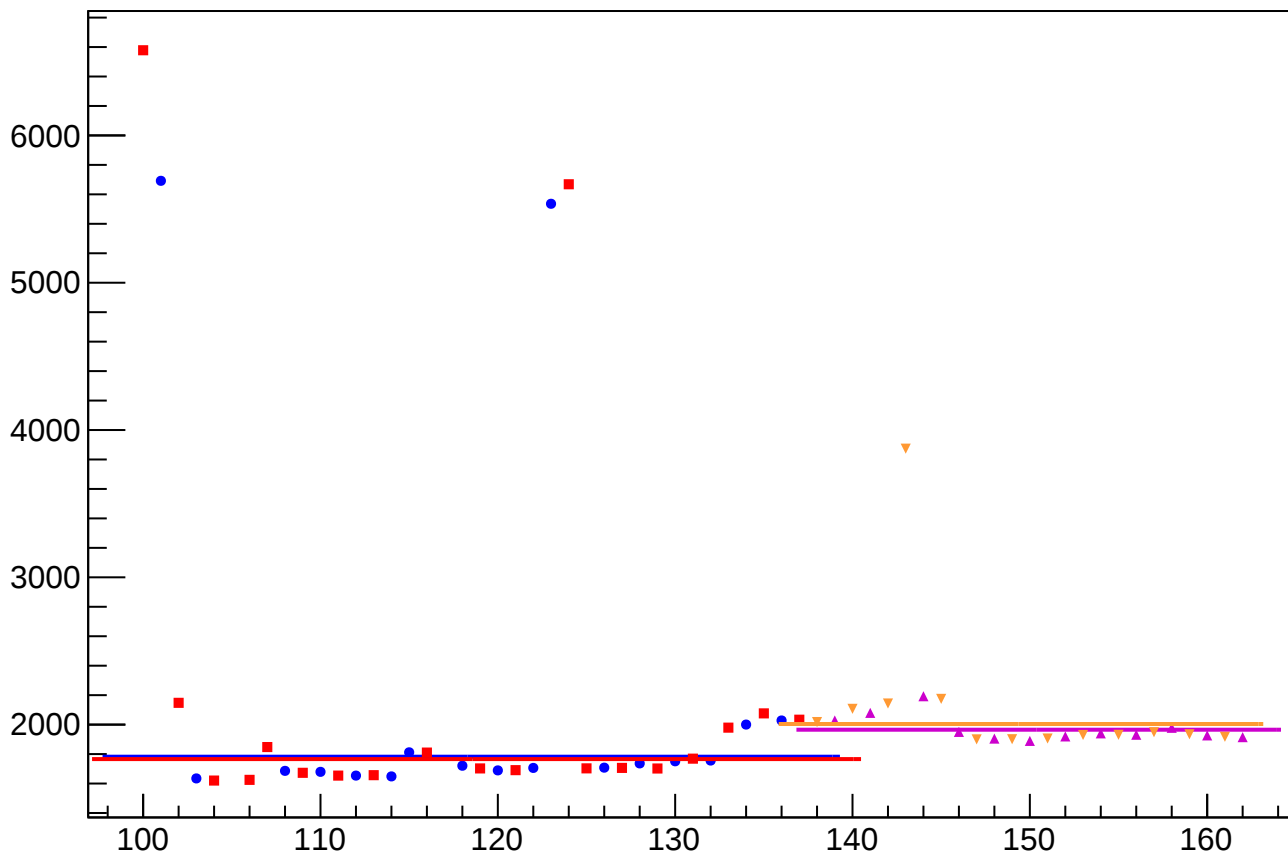
Left In: -3170.934 $\pm$ 630.719 χ^2 /NDF:14.5/11

+ sign 1635.929 $\pm$ 478.970 χ^2 /NDF: 30.7/29

All: -614.445 $\pm$ 333.169 χ^2 /NDF: 107.4/60

- sign -2724.006 $\pm$ 463.743 χ^2 /NDF: 33.9/30

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137 $\pm$ 0.503 χ^2 /NDF: 645188.8/16

Left Out: 2004.149 $\pm$ 0.458 χ^2 /NDF: 351233.9/12

Right Out: 1765.967 $\pm$ 0.480 χ^2 /NDF: 306798.2/18

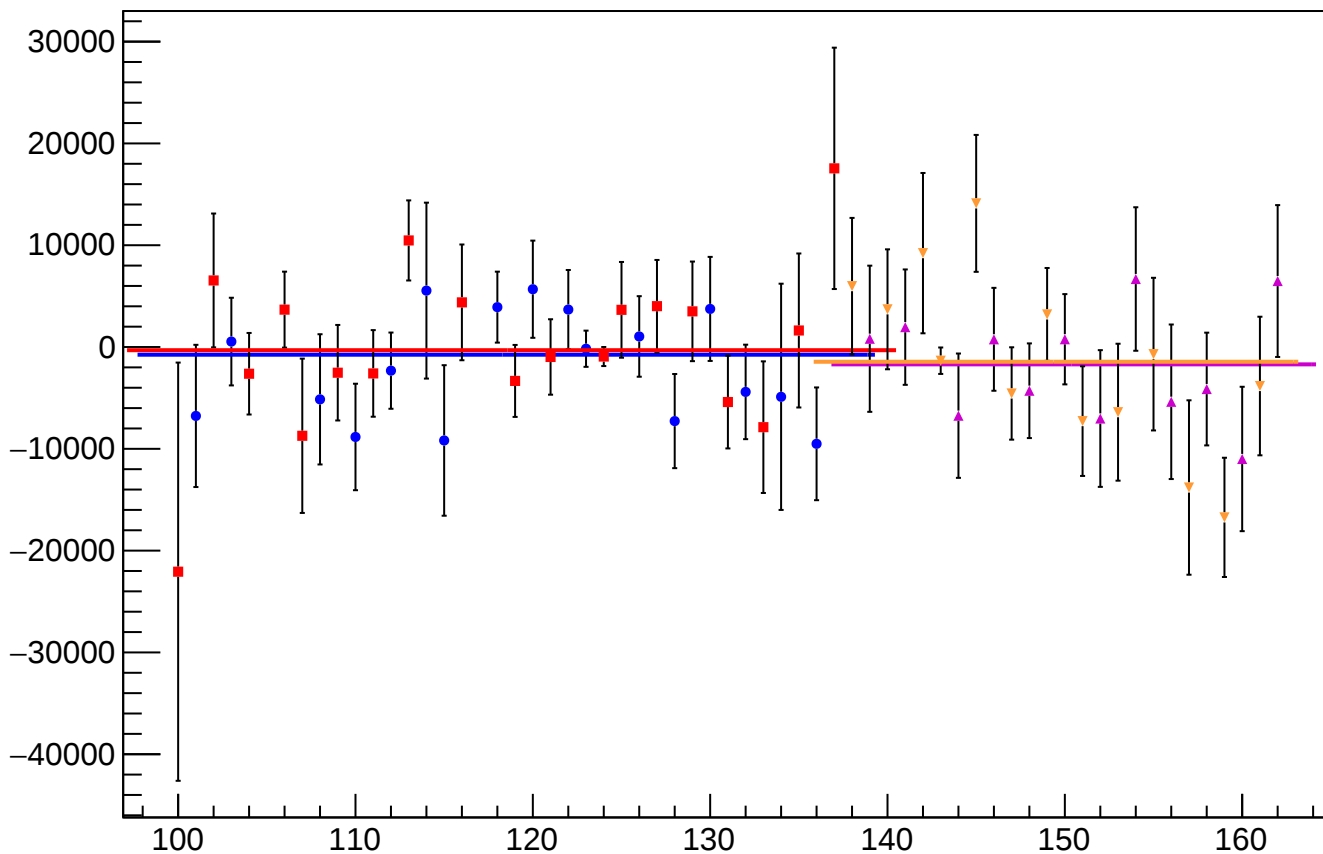
Left In: 1965.371 $\pm$ 0.446 χ^2 /NDF: 32800.3/11

+ sign 1903.491 $\pm$ 0.339 χ^2 /NDF: 1102914.0/29

All: 1887.749 $\pm$ 0.235 χ^2 /NDF: 1539202.9/60

- sign 1873.086 $\pm$ 0.327 χ^2 /NDF: 432116.2/30

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 ± 1008.523 χ^2/NDF : 16.9/16

Left Out: -1446.172 ± 1044.062 χ^2/NDF : 21.4/12

Right Out: -311.405 ± 725.132 χ^2/NDF : 22.0/18

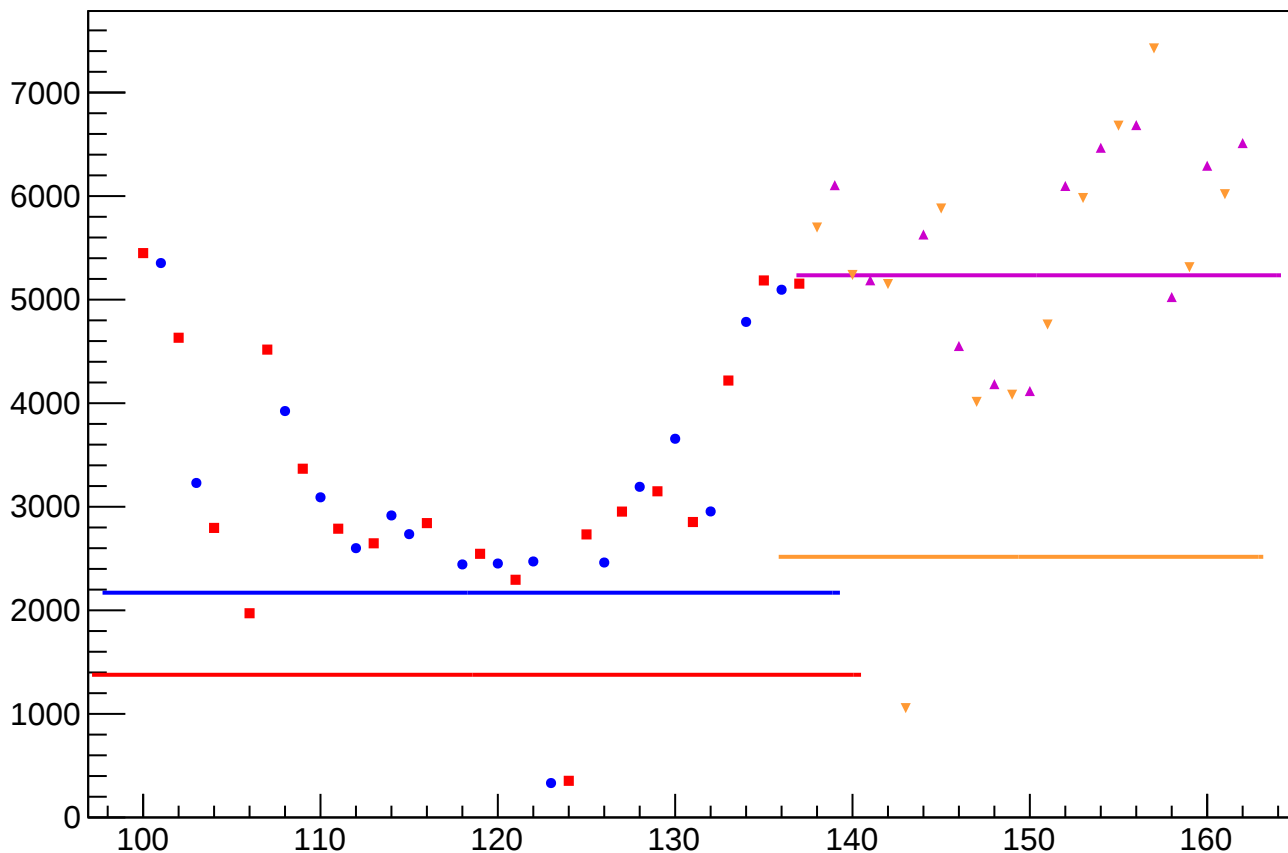
Left In: -1703.082 ± 1705.600 χ^2/NDF : 7.5/11

+ sign -1087.809 ± 725.372 χ^2/NDF : 38.6/29

All: -782.687 ± 491.111 χ^2/NDF : 69.0/60

- sign -524.444 ± 667.326 χ^2/NDF : 30.0/30

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 2516.734 $\pm$ 0.738 χ^2 /NDF: 7721003.3/12

Right Out: 1377.716 $\pm$ 0.513 χ^2 /NDF: 6847297.6/18

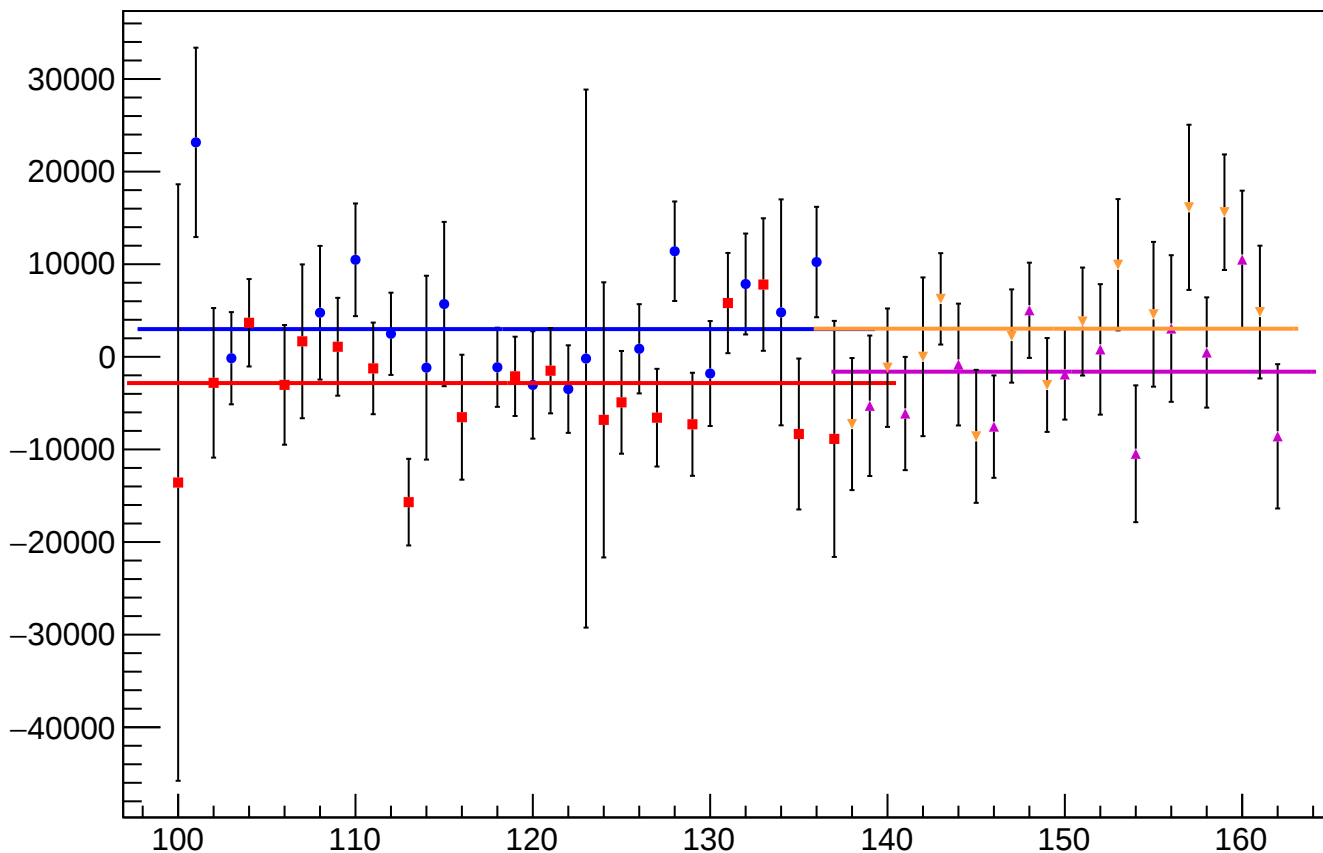
Left In: 5235.185 $\pm$ 1.206 χ^2 /NDF: 576732.3/11

+ sign 2337.491 $\pm$ 0.513 χ^2 /NDF: 11808679.1/29

All: 2137.492 $\pm$ 0.347 χ^2 /NDF: 28177511.0/6

- sign 1968.222 $\pm$ 0.472 χ^2 /NDF: 16088108.7/30

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 3038.834 $\pm$ 1767.723 χ^2 /NDF:14.4/12

Right Out: -2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

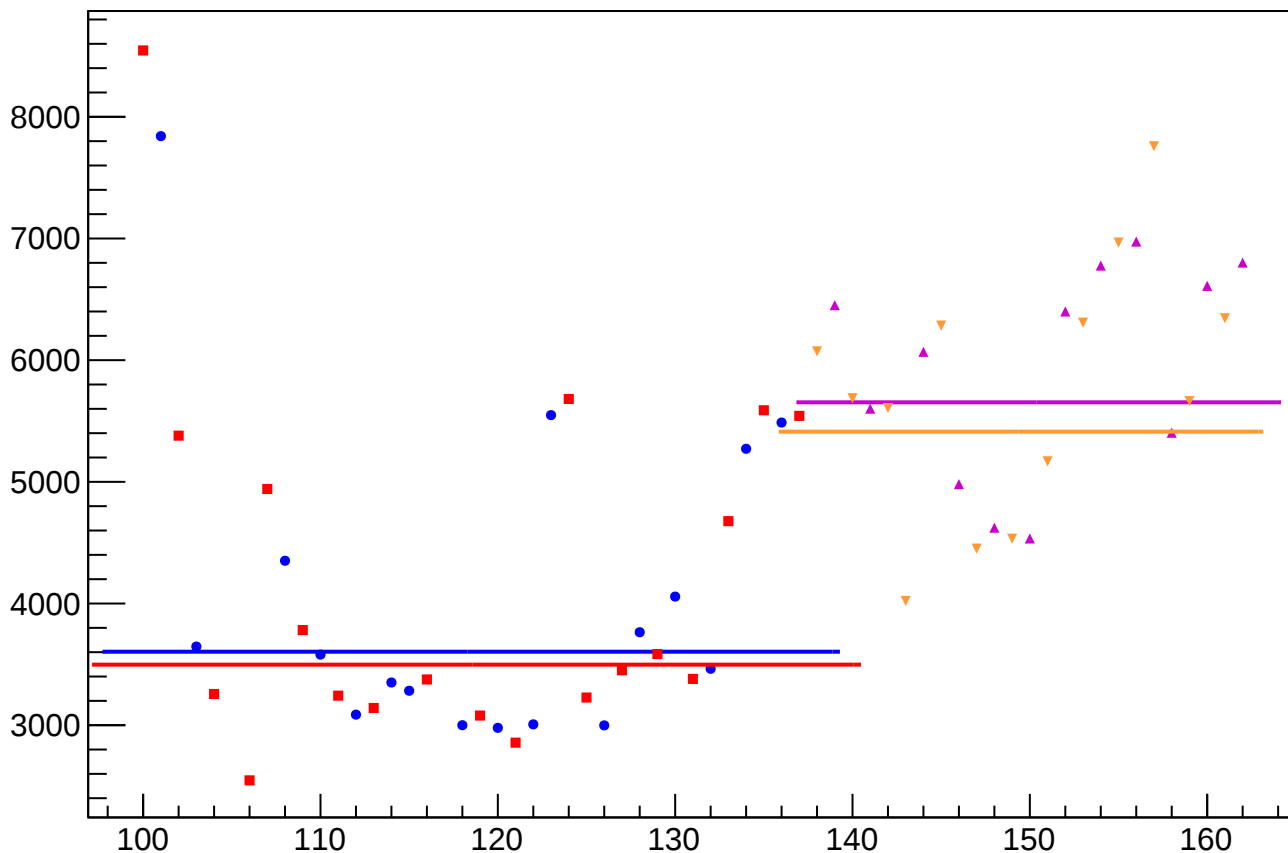
Left In: -1605.611 $\pm$ 1835.262 χ^2 /NDF:9.1/11

+ sign 3011.277 $\pm$ 1119.802 χ^2 /NDF: 30.1/29

All: 268.480 $\pm$ 785.638 χ^2 /NDF: 69.1/60

- sign -2390.307 $\pm$ 1102.519 χ^2 /NDF: 27.1/30

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 5412.667+/-1.250 χ^2/NDF : 633455.3/12

Right Out: 3497.586+/-0.962 χ^2/NDF : 661898.6/18

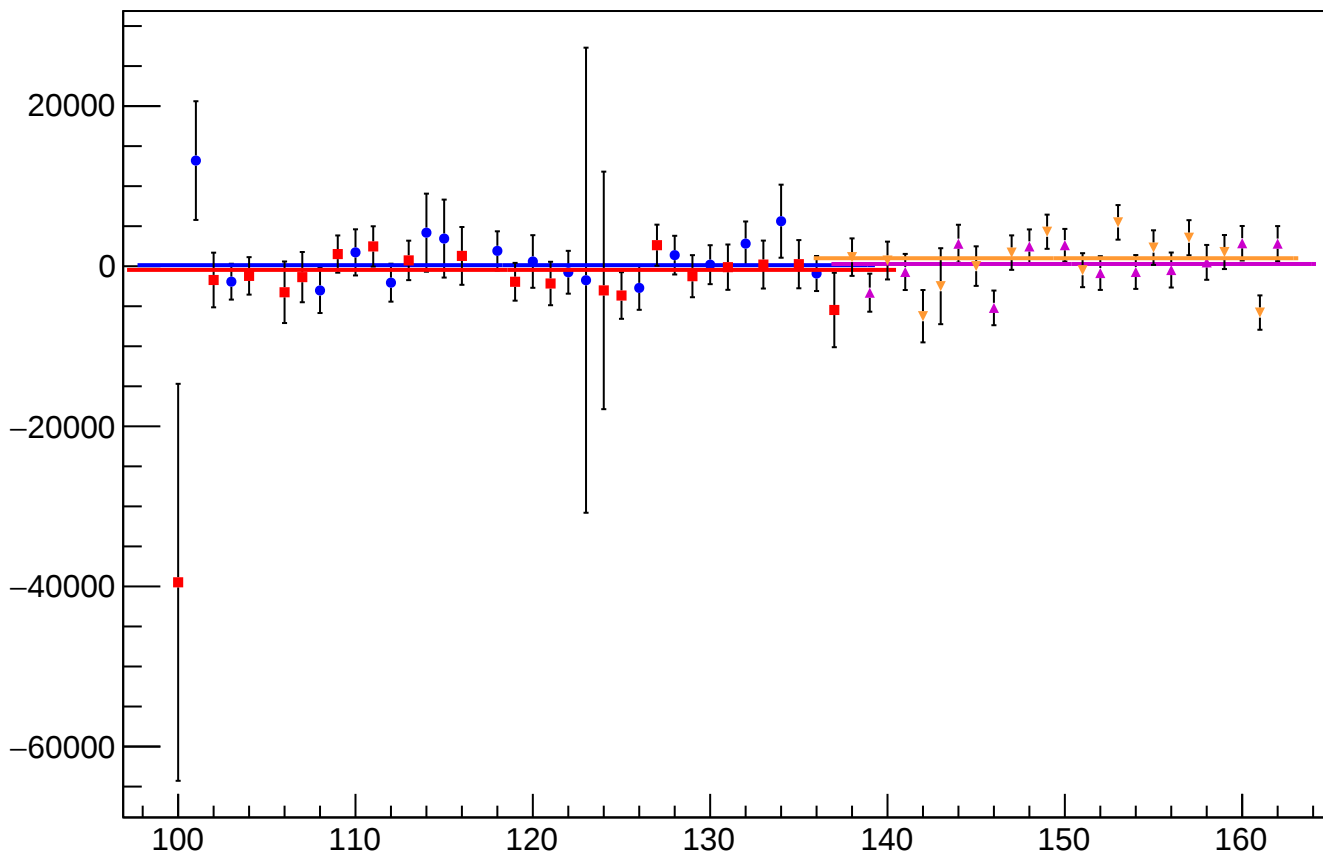
Left In: 5653.744+/-1.298 χ^2/NDF : 449767.4/11

+ sign 4329.746+/-0.792 χ^2/NDF : 2671773.0/29

All: 4294.970+/-0.553 χ^2/NDF : 5569246.2/60

- sign 4261.860+/-0.773 χ^2/NDF : 2893707.8/30

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 997.113 $\pm$ 646.234 χ^2 /NDF: 24.8/12

Right Out: -459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

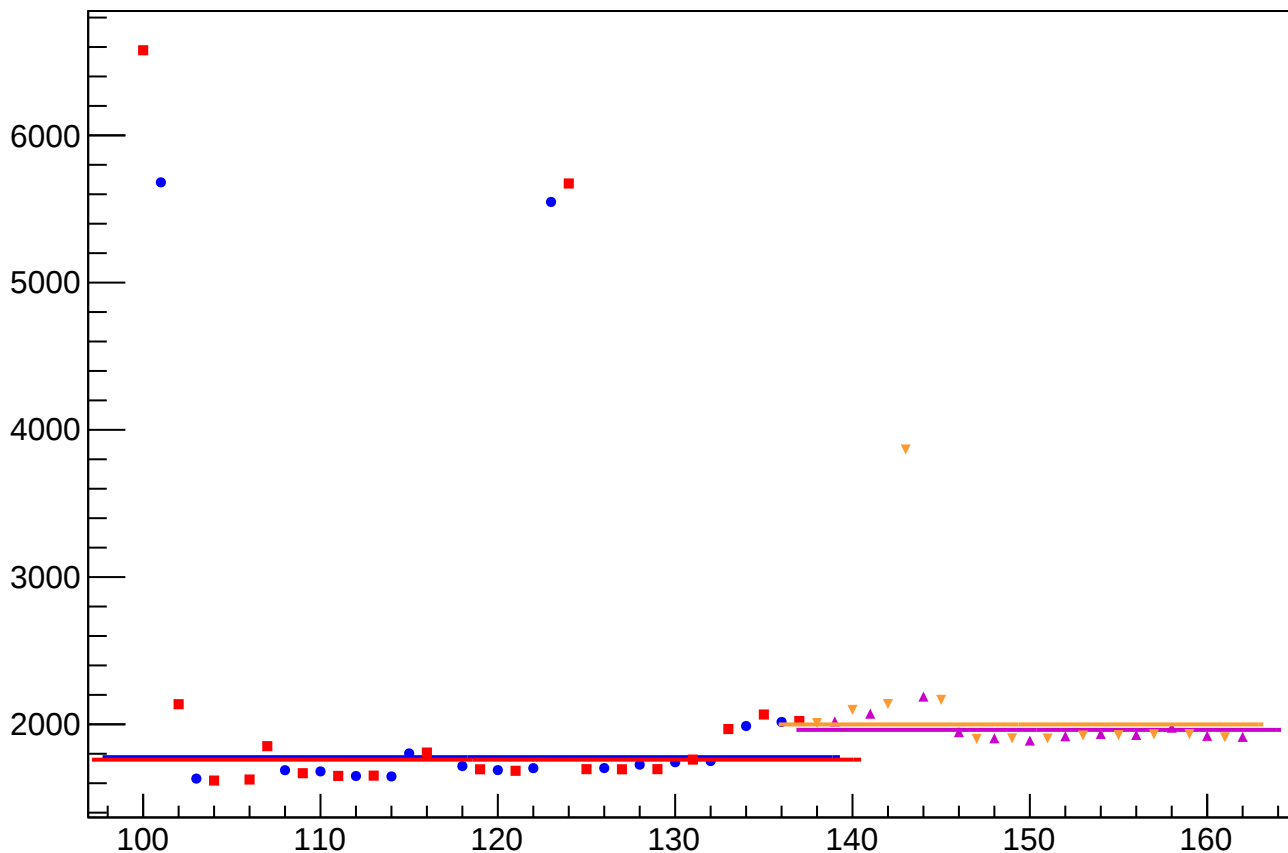
Left In: 278.042 $\pm$ 629.707 χ^2 /NDF: 15.9/11

+ sign 604.169 $\pm$ 477.671 χ^2 /NDF: 37.8/29

All: 260.803 $\pm$ 332.309 χ^2 /NDF: 66.0/60

- sign -61.243 $\pm$ 462.604 χ^2 /NDF: 27.2/30

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 1999.334+/-0.457 χ^2/NDF : 349909.8/12

Right Out: 1759.990+/-0.479 χ^2/NDF : 306154.6/18

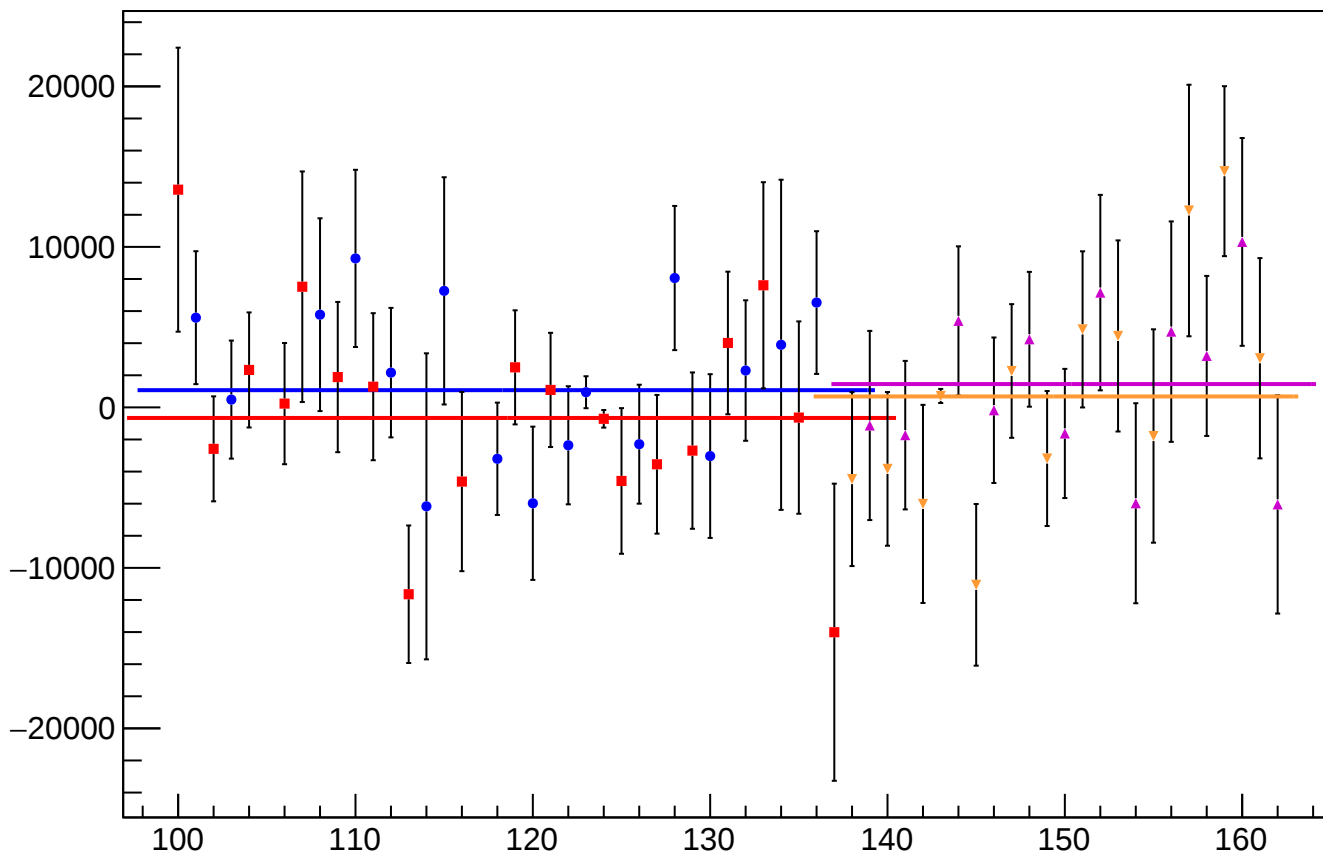
Left In: 1962.308+/-0.445 χ^2/NDF : 31640.0/11

+ sign 1898.419+/-0.338 χ^2/NDF : 1100996.4/29

All: 1882.929+/-0.235 χ^2/NDF : 1538587.9/60

- sign 1868.492+/-0.326 χ^2/NDF : 433528.1/30

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 681.274+/-421.847 χ^2/NDF : 20.0/12

Right Out: -658.759+/-488.034 χ^2/NDF : 19.8/18

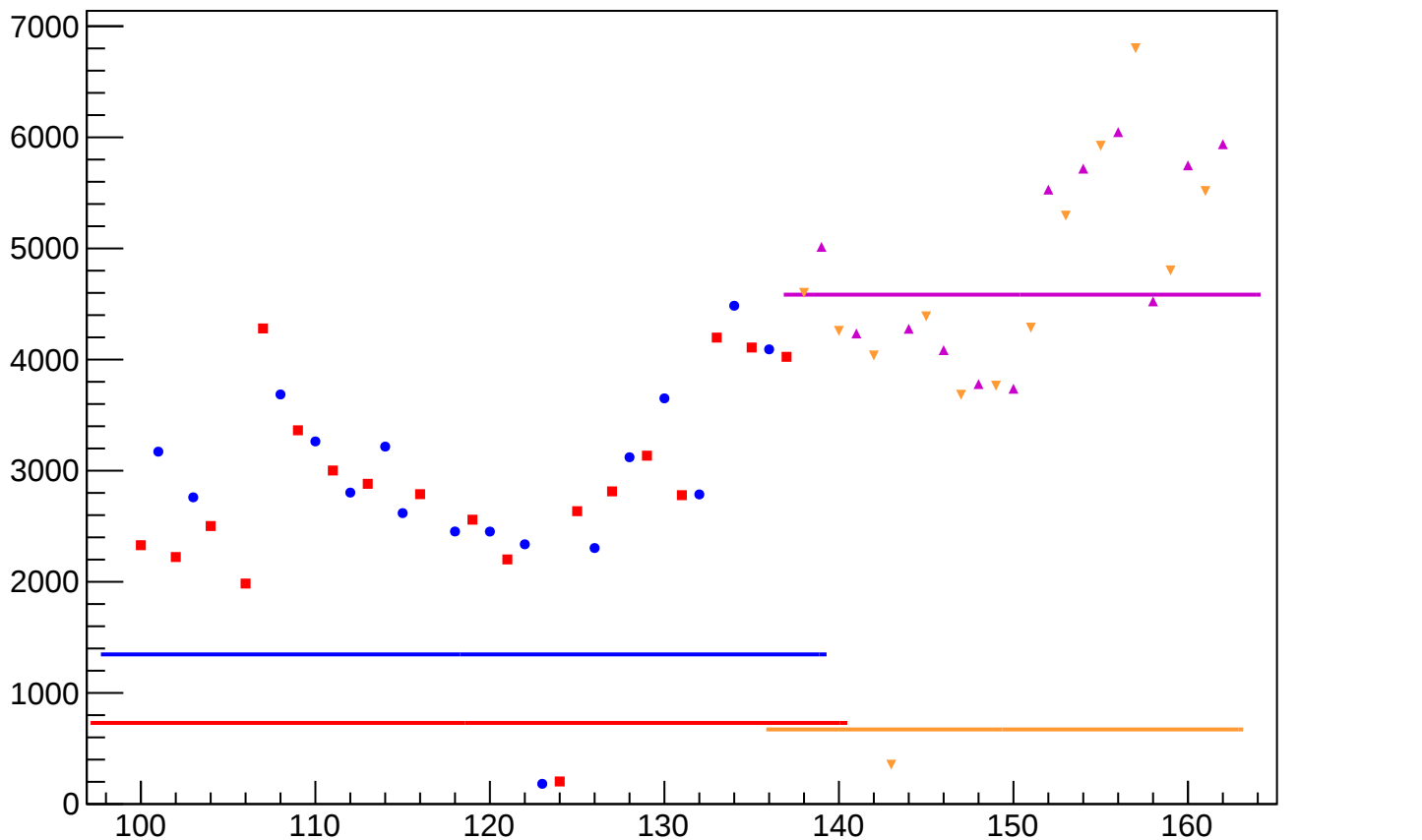
Left In: 1452.529+/-1493.030 χ^2/NDF : 8.3/11

+ sign 774.792+/-367.945 χ^2/NDF : 35.8/29

All: 299.887+/-288.272 χ^2/NDF : 70.0/60

- sign -454.950+/-463.880 χ^2/NDF : 29.9/30

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 671.315+/-0.298 χ^2/NDF : 14239927.2/12

Right Out: 730.119+/-0.345 χ^2/NDF : 9503127.2/18

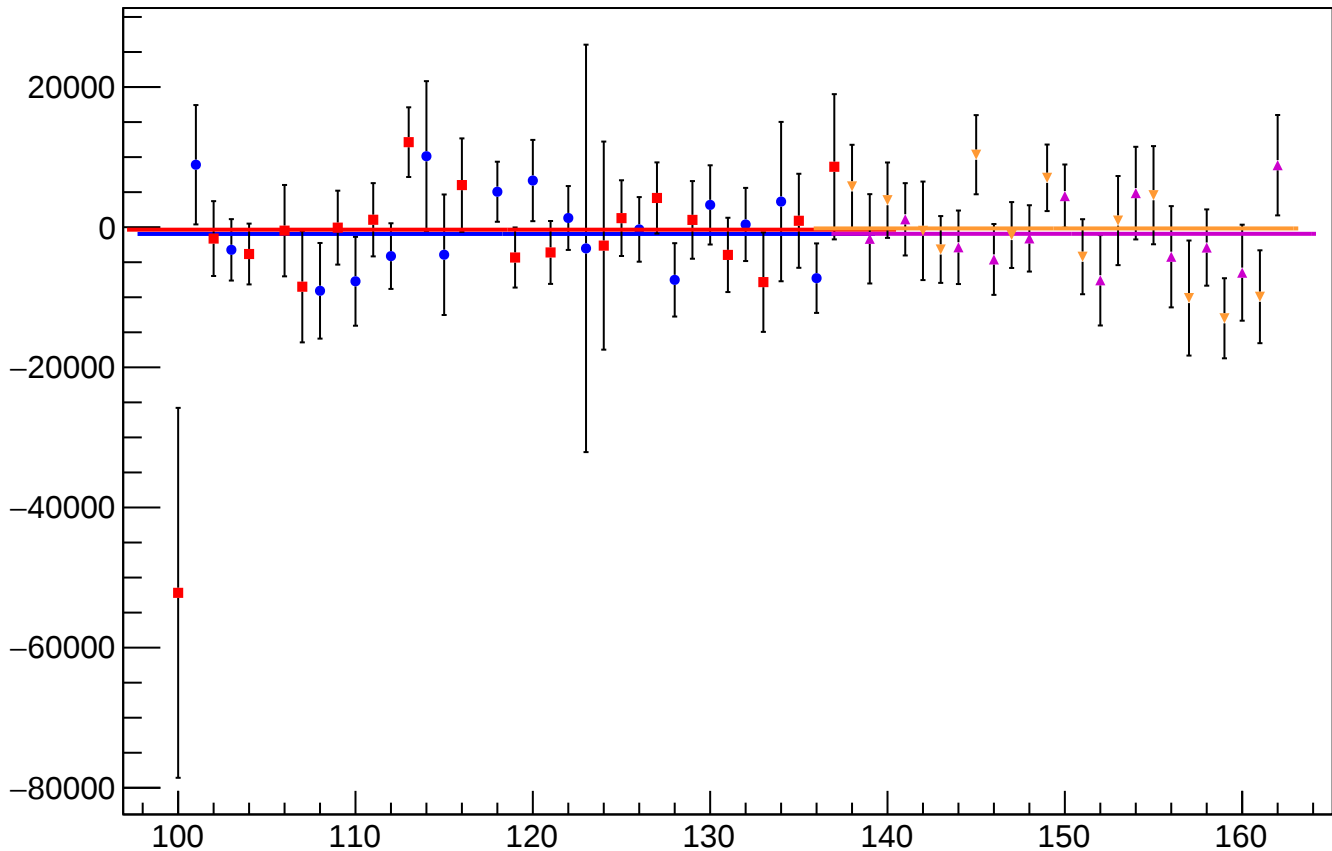
Left In: 4584.223+/-1.056 χ^2/NDF : 566239.7/11

+ sign 832.916+/-0.260 χ^2/NDF : 22305929.1/29

All: 936.896+/-0.204 χ^2/NDF : 44829591.2/60

- sign 1102.167+/-0.328 χ^2/NDF : 22110072.6/30

asym_atr1l2_dd_mean vs Slug



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: -177.791+/-1588.440 χ^2/NDF : 17.5/12

Right Out: -354.646+/-1329.760 χ^2/NDF : 17.6/18

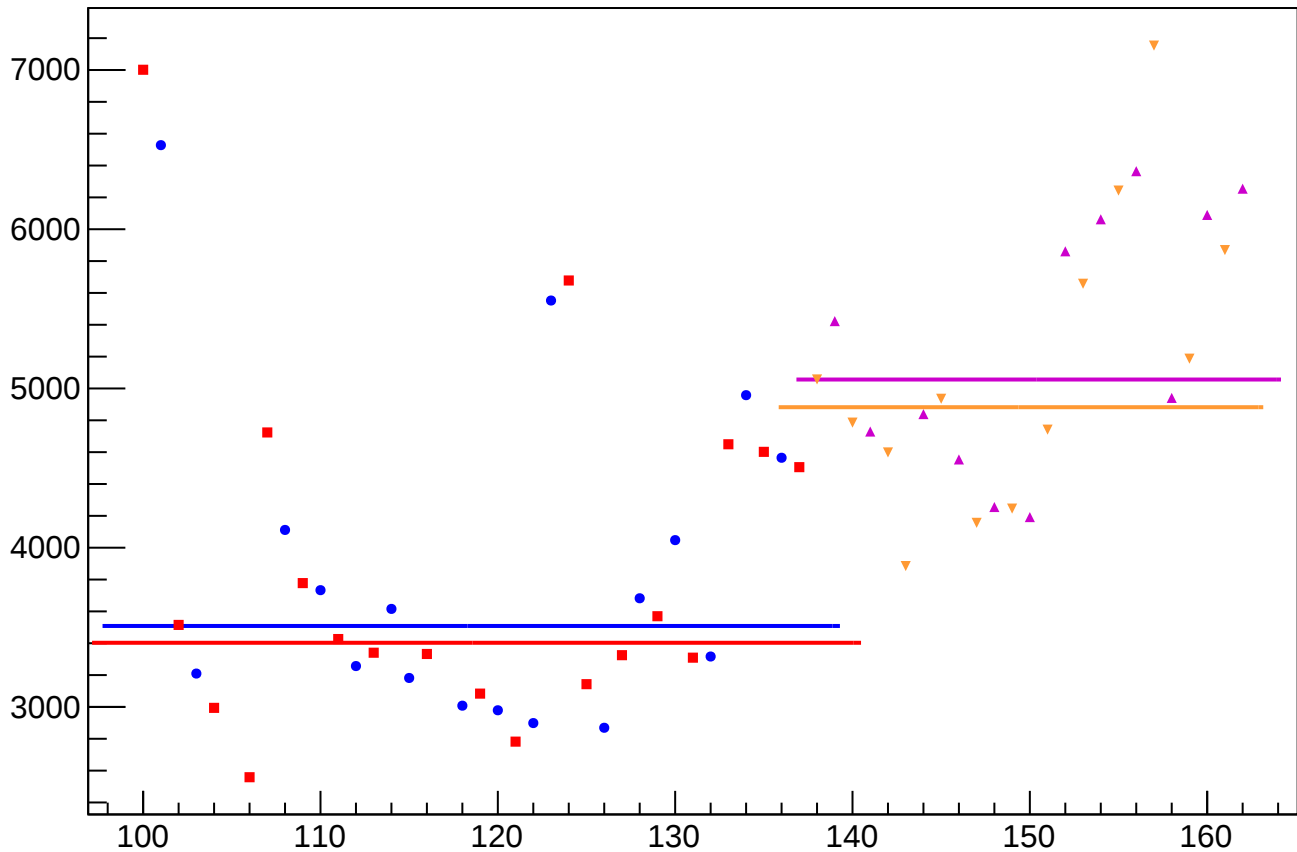
Left In: -945.700+/-1639.512 χ^2/NDF : 7.0/11

+ sign -621.570+/-1048.435 χ^2/NDF : 31.4/29

All: -605.131+/-735.754 χ^2/NDF : 56.1/60

- sign -589.179+/-1032.768 χ^2/NDF : 24.7/30

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4882.284+/-1.123 χ^2/NDF : 486726.8/12

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

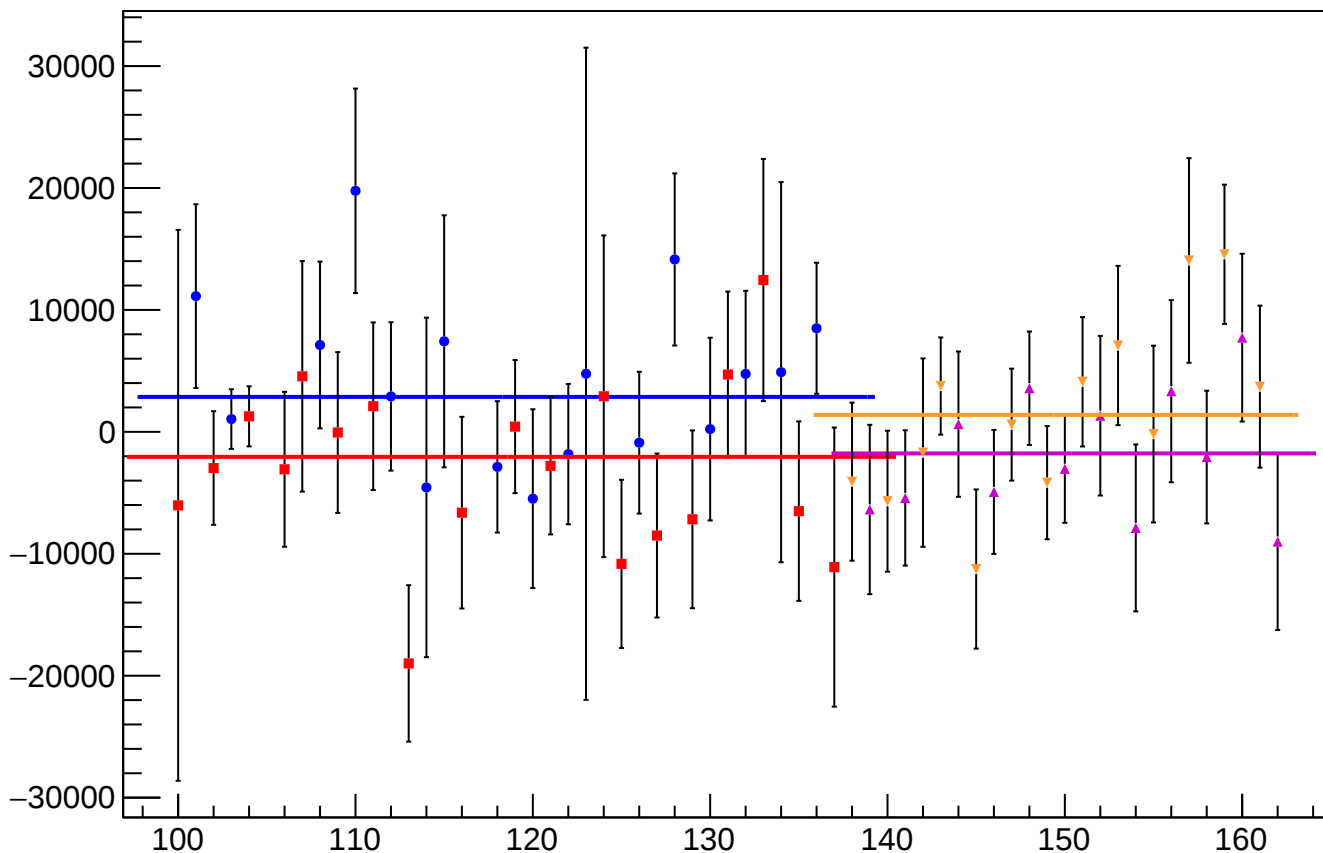
Left In: 5056.134+/-1.159 χ^2/NDF : 413849.2/11

+ sign 4106.981+/-0.741 χ^2/NDF : 1893199.2/29

All: 4077.129+/-0.518 χ^2/NDF : 3978117.8/60

- sign 4048.617+/-0.725 χ^2/NDF : 2081748.5/30

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 1387.167+/-1588.420 χ^2/NDF : 16.7/12

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

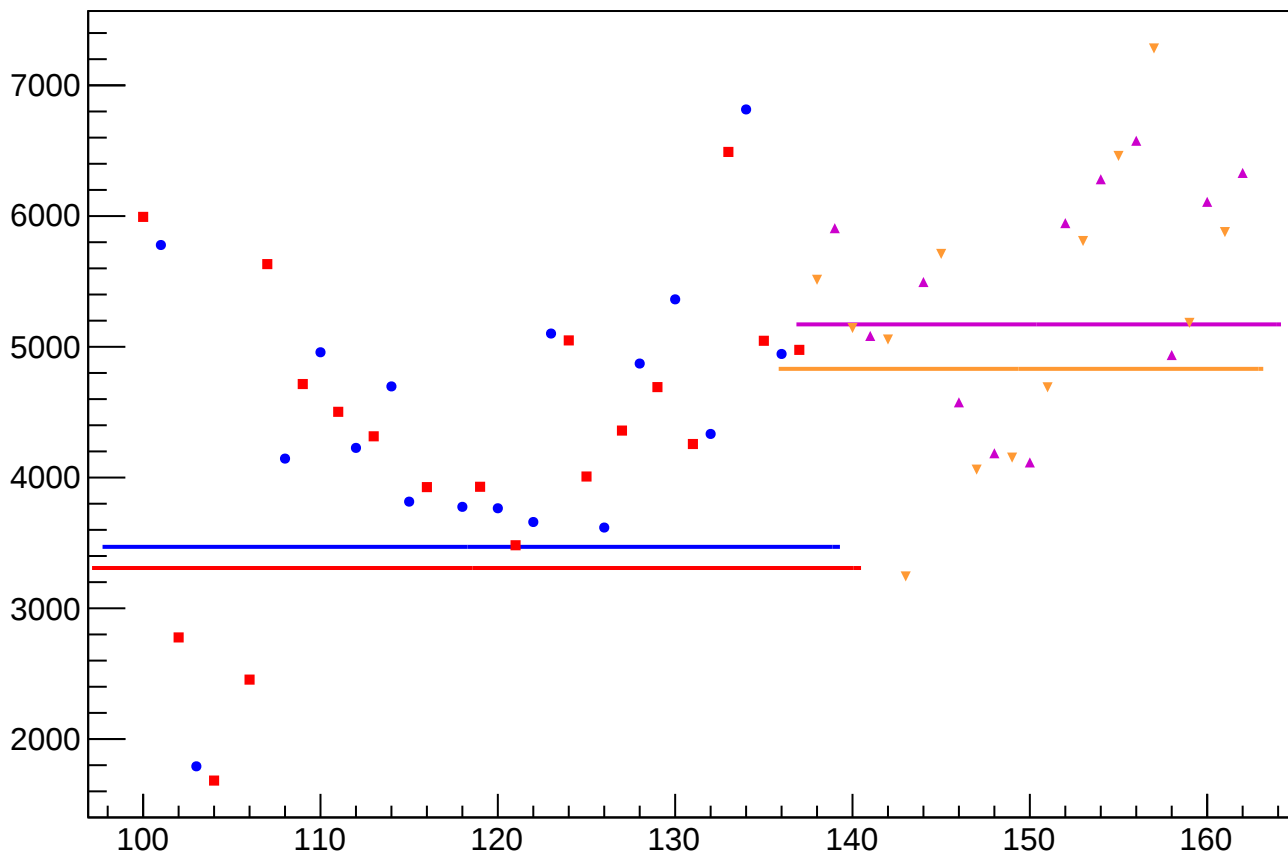
Left In: -1767.577+/-1681.361 χ^2/NDF : 7.2/11

+ sign 2191.802+/-1071.973 χ^2/NDF : 31.3/29

All: 118.703+/-756.391 χ^2/NDF : 63.6/60

- sign -1936.891+/-1067.438 χ^2/NDF : 24.9/30

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 4831.484 $\pm$ 1.123 χ^2 /NDF: 857563.3/12

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

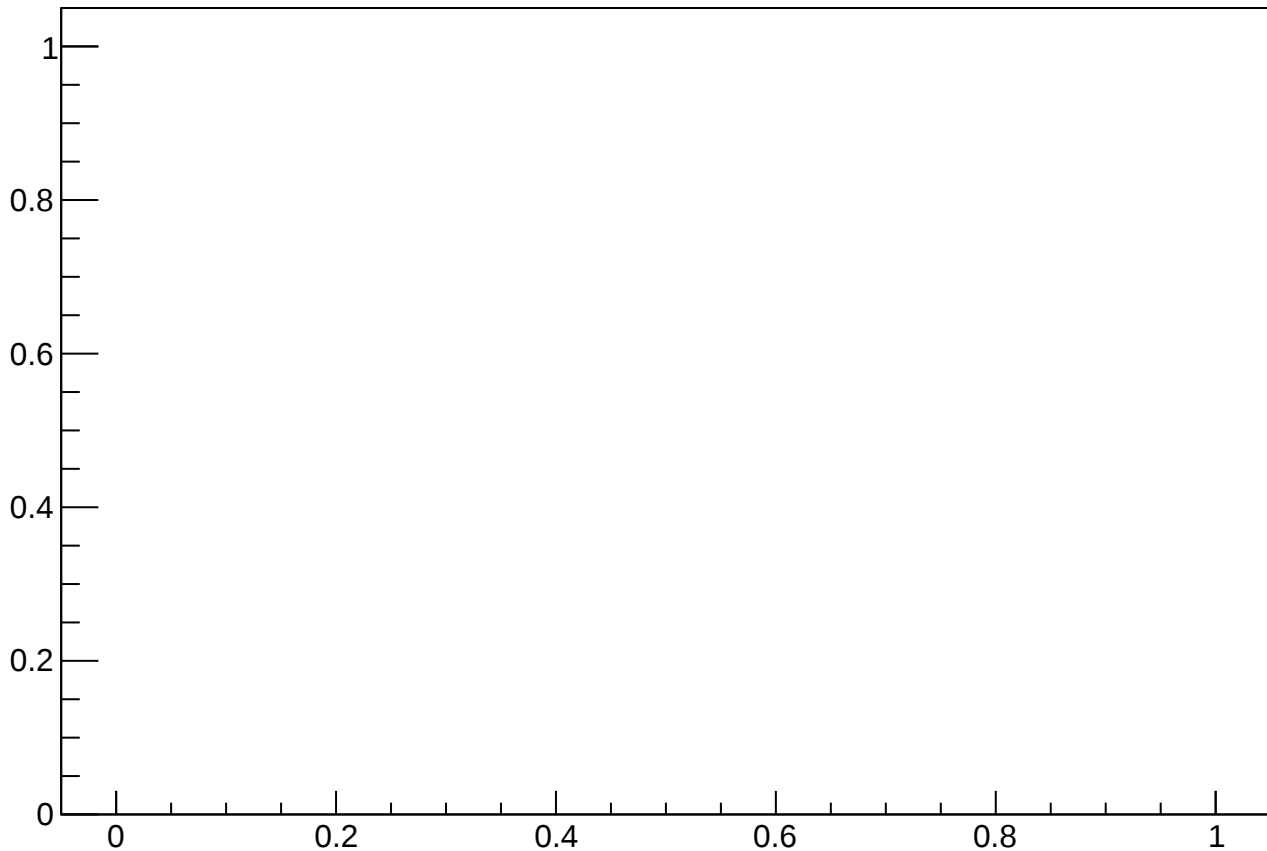
Left In: 5171.544 $\pm$ 1.189 χ^2 /NDF: 502981.5/11

+ sign 4090.089 $\pm$ 0.758 χ^2 /NDF: 3418530.8/29

All: 4070.374 $\pm$ 0.533 χ^2 /NDF: 7310716.5/60

- sign 4051.039 $\pm$ 0.751 χ^2 /NDF: 3890845.8/30

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

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

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

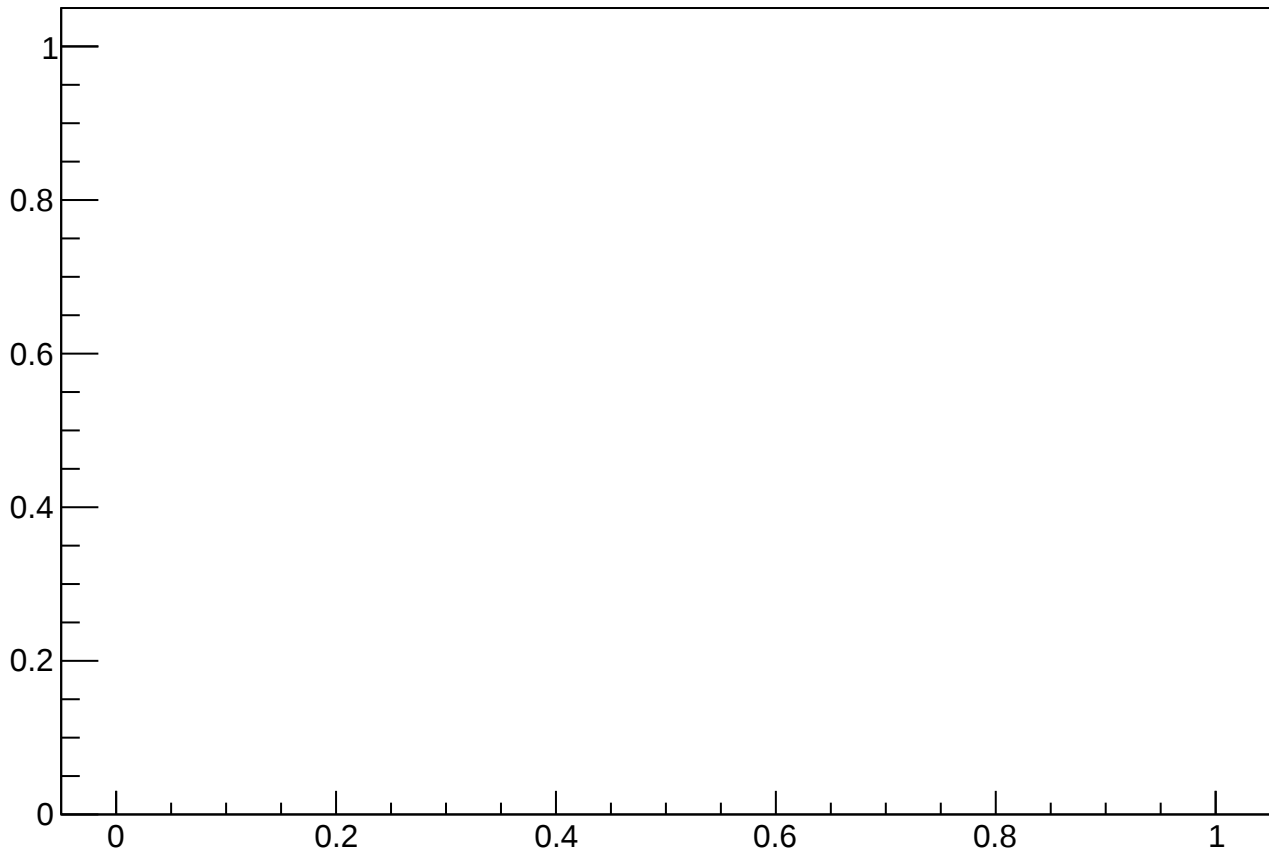
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_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

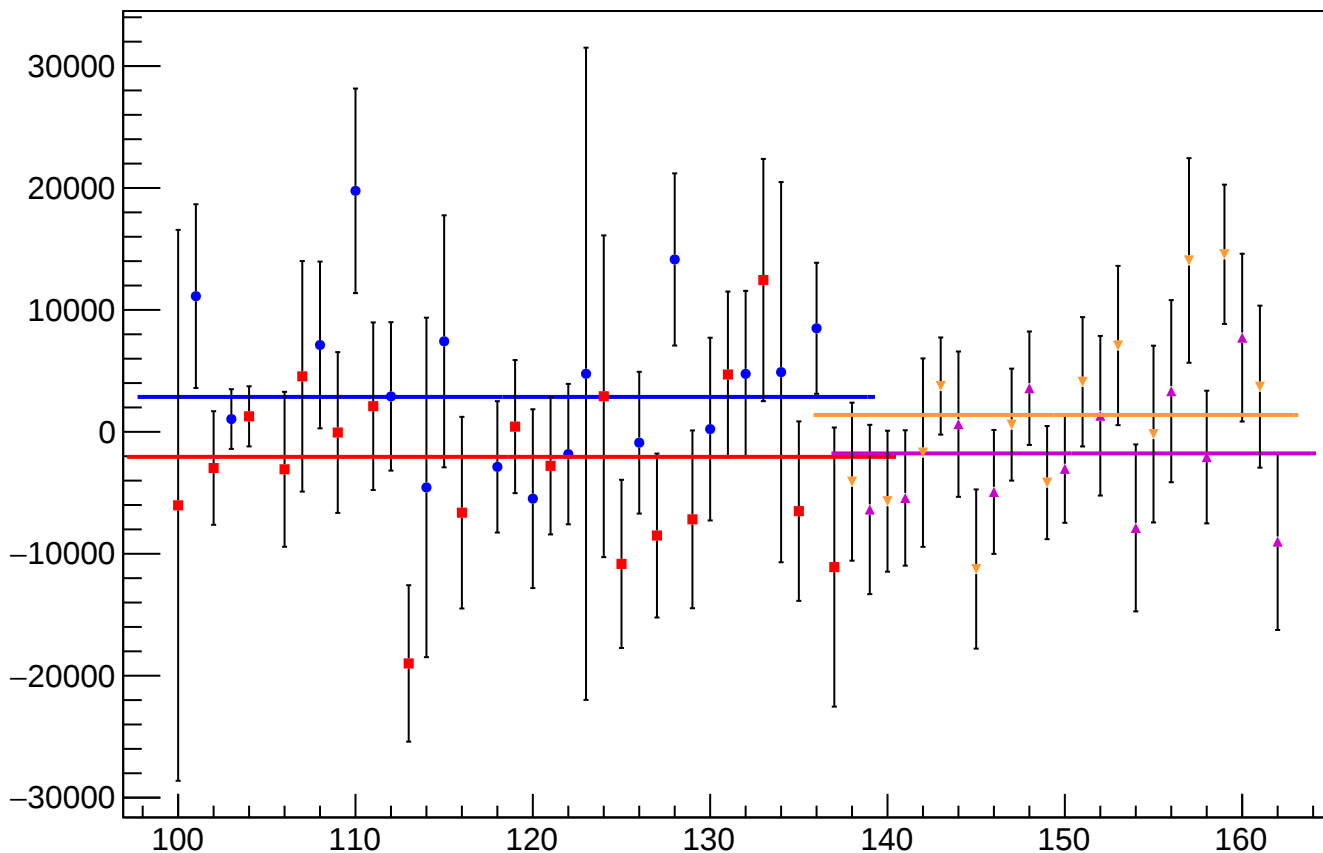
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ 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: 1387.167+/-1588.420 χ^2/NDF : 16.7/12

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

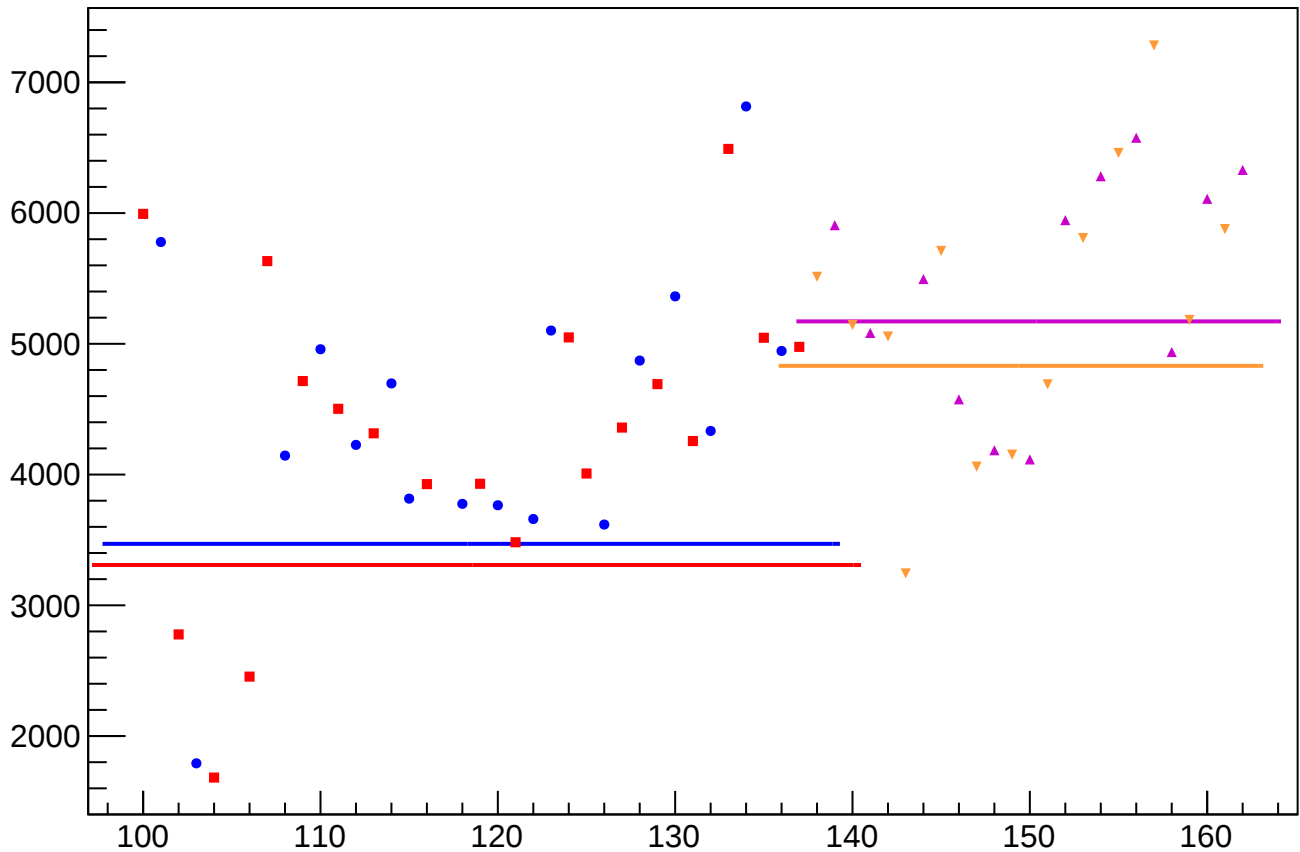
Left In: -1767.577+/-1681.361 χ^2/NDF : 7.2/11

+ sign 2191.802+/-1071.973 χ^2/NDF : 31.3/29

All: 118.703+/-756.391 χ^2/NDF : 63.6/60

- sign -1936.891+/-1067.438 χ^2/NDF : 24.9/30

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 $\pm$ 1.027 χ^2/NDF : 1760860.6/16

Left Out: 4831.484 $\pm$ 1.123 χ^2/NDF : 857563.3/12

Right Out: 3308.243 $\pm$ 0.968 χ^2/NDF : 1910782.0/18

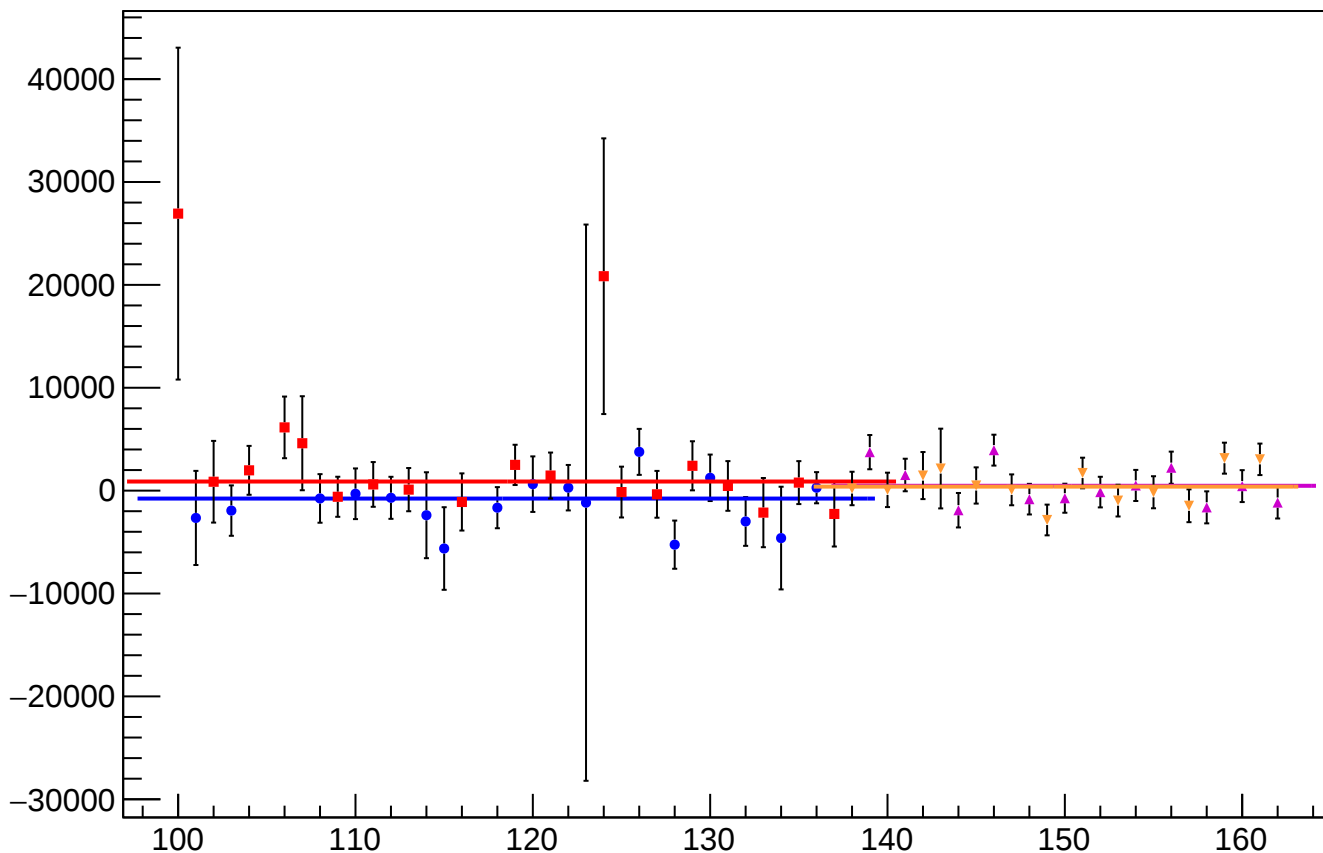
Left In: 5171.544 $\pm$ 1.189 χ^2/NDF : 502981.5/11

+ sign 4090.089 $\pm$ 0.758 χ^2/NDF : 3418530.8/29

All: 4070.374 $\pm$ 0.533 χ^2/NDF : 7310716.5/60

- sign 4051.039 $\pm$ 0.751 χ^2/NDF : 3890845.8/30

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153 ± 603.689 χ^2/NDF : 13.3/16

Left Out: 390.975 ± 458.617 χ^2/NDF : 14.7/12

Right Out: 885.145 ± 595.053 χ^2/NDF : 13.5/18

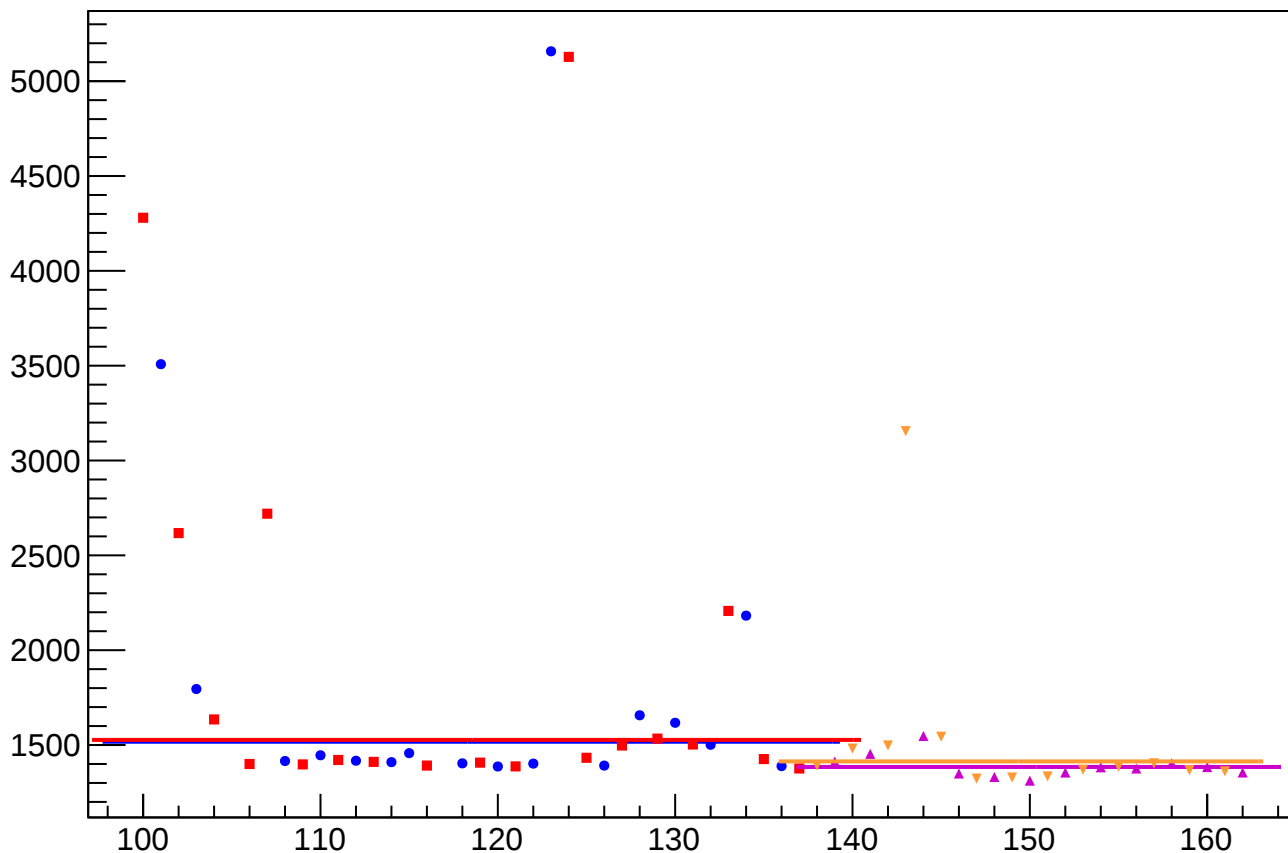
Left In: 470.410 ± 444.597 χ^2/NDF : 17.5/11

+ sign -34.290 ± 365.188 χ^2/NDF : 30.3/29

All: 300.521 ± 254.976 χ^2/NDF : 63.2/60

- sign 618.989 ± 356.163 χ^2/NDF : 31.3/30

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334 $\pm$ 0.427 χ^2 /NDF: 536662.7/16

Left Out: 1413.574 $\pm$ 0.324 χ^2 /NDF: 446879.2/12

Right Out: 1527.005 $\pm$ 0.421 χ^2 /NDF: 631684.2/18

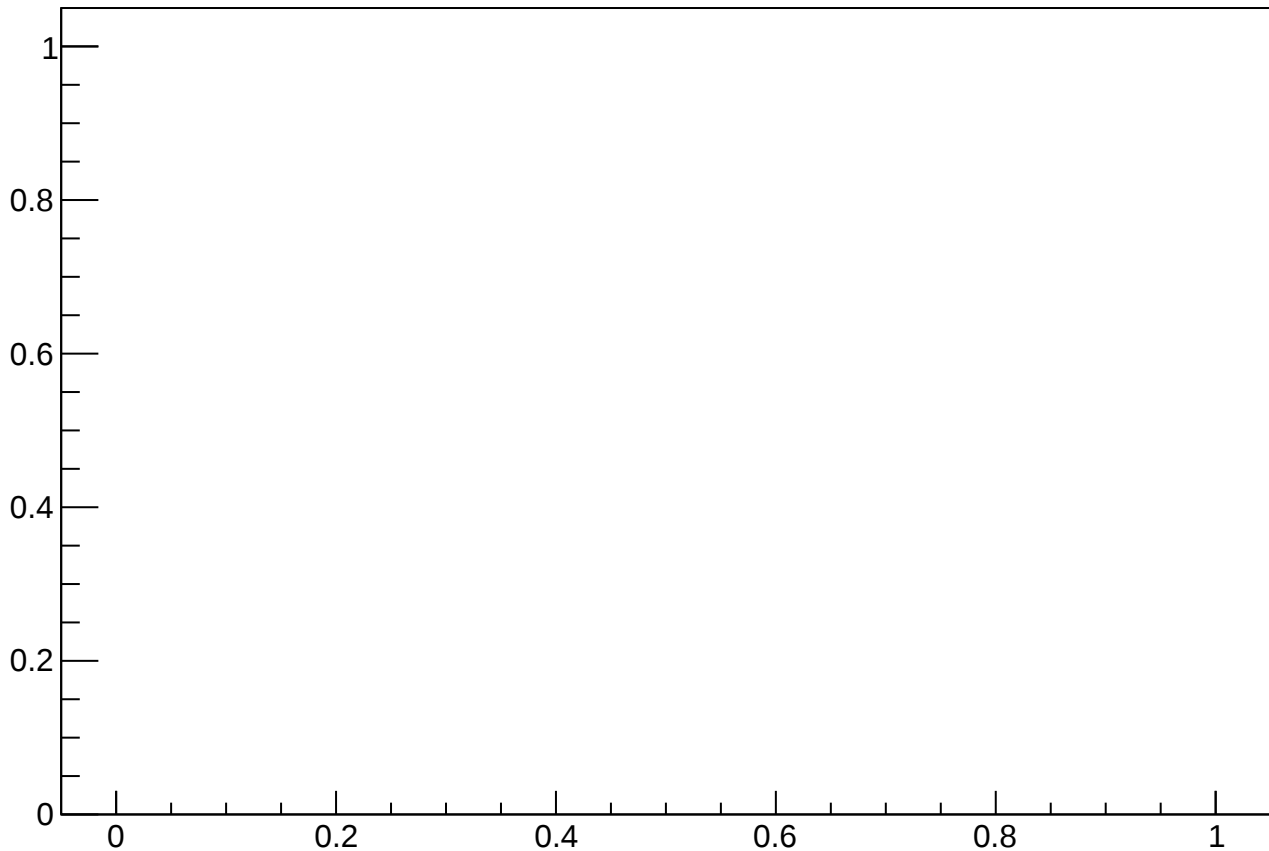
Left In: 1384.242 $\pm$ 0.314 χ^2 /NDF: 34056.1/11

+ sign 1451.543 $\pm$ 0.258 χ^2 /NDF: 1021005.0/29

All: 1443.263 $\pm$ 0.180 χ^2 /NDF: 1762629.8/60

- sign 1435.388 $\pm$ 0.252 χ^2 /NDF: 739618.7/30

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



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

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

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

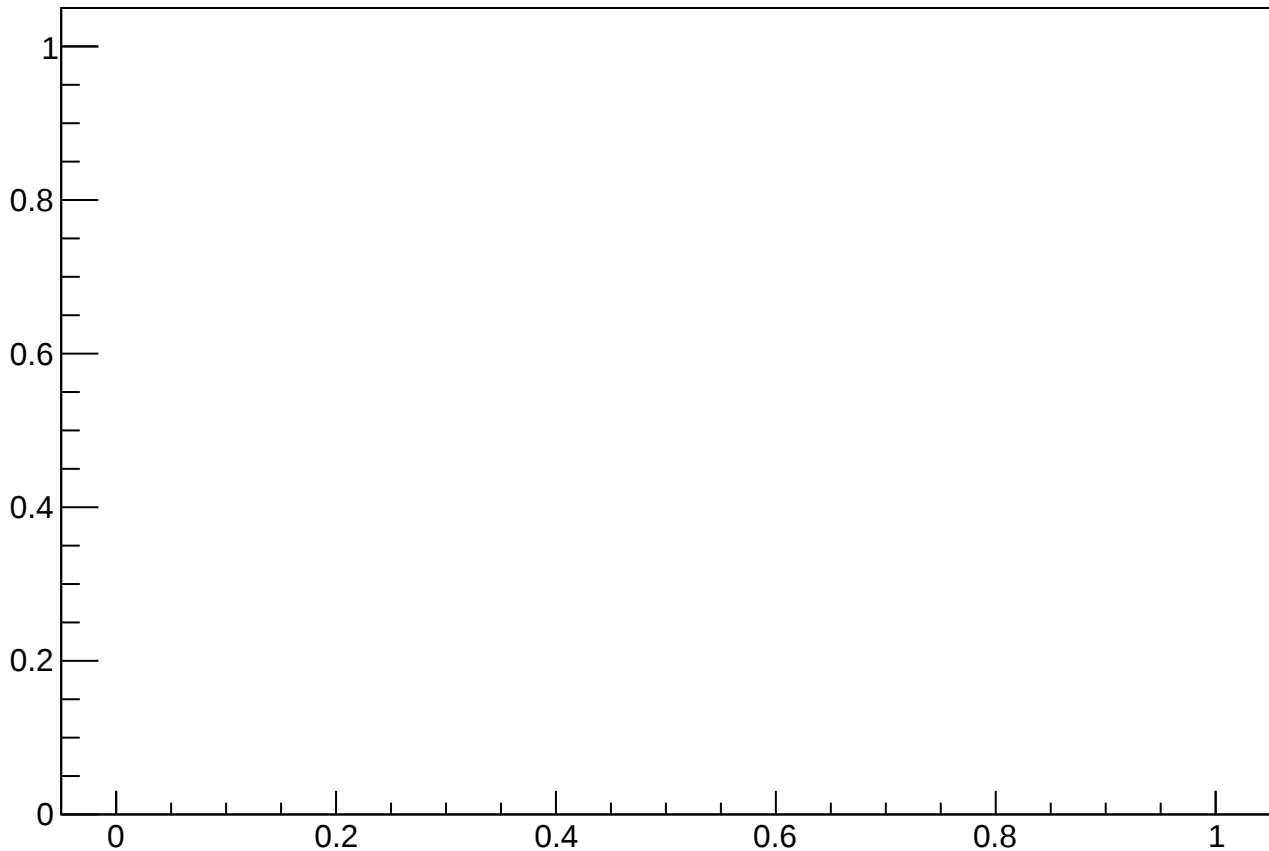
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



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

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

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

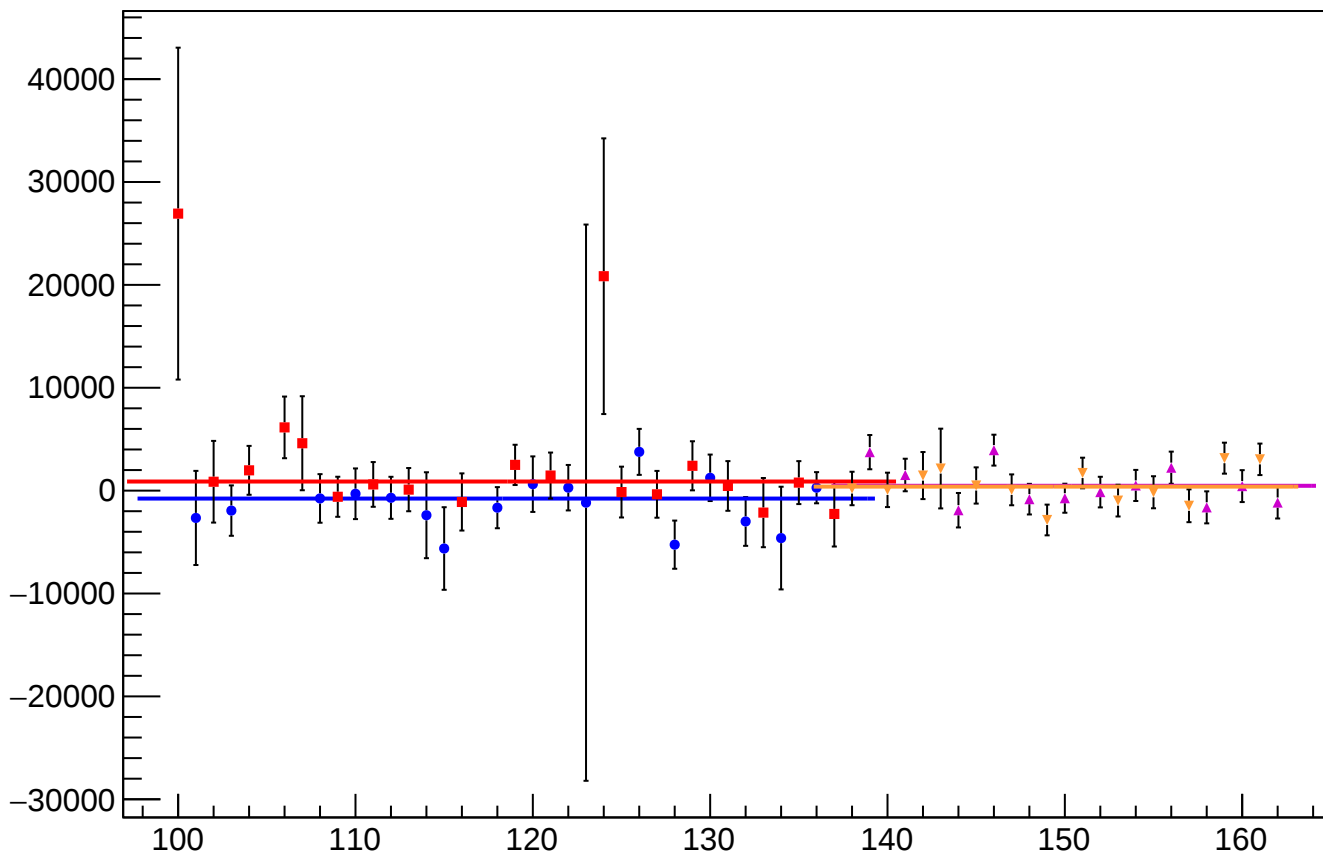
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: 390.975+/-458.617 χ^2/NDF : 14.7/12

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

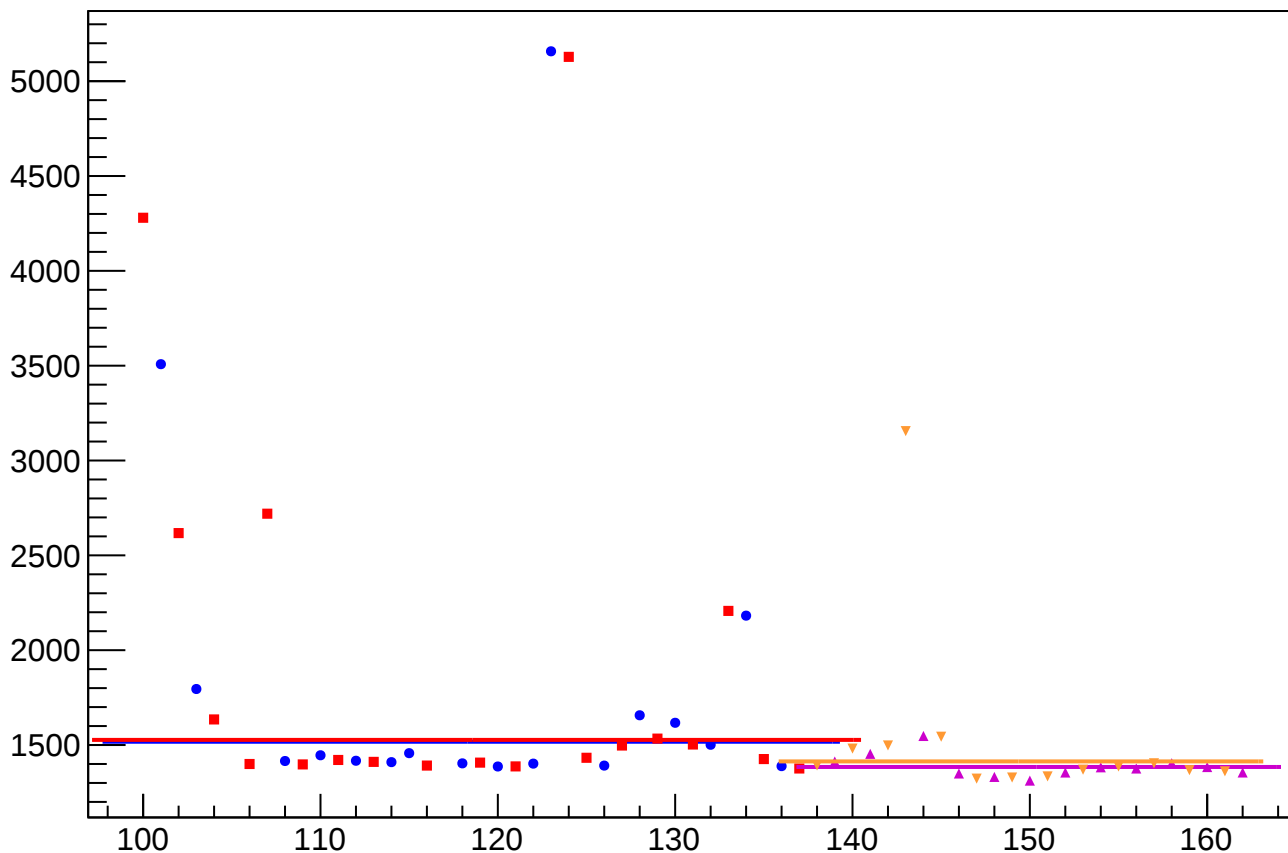
Left In: 470.410+/-444.597 χ^2/NDF : 17.5/11

+ sign -34.290+/-365.188 χ^2/NDF : 30.3/29

All: 300.521+/-254.976 χ^2/NDF : 63.2/60

- sign 618.989+/-356.163 χ^2/NDF : 31.3/30

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1413.574+/-0.324 χ^2/NDF : 446879.2/12

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

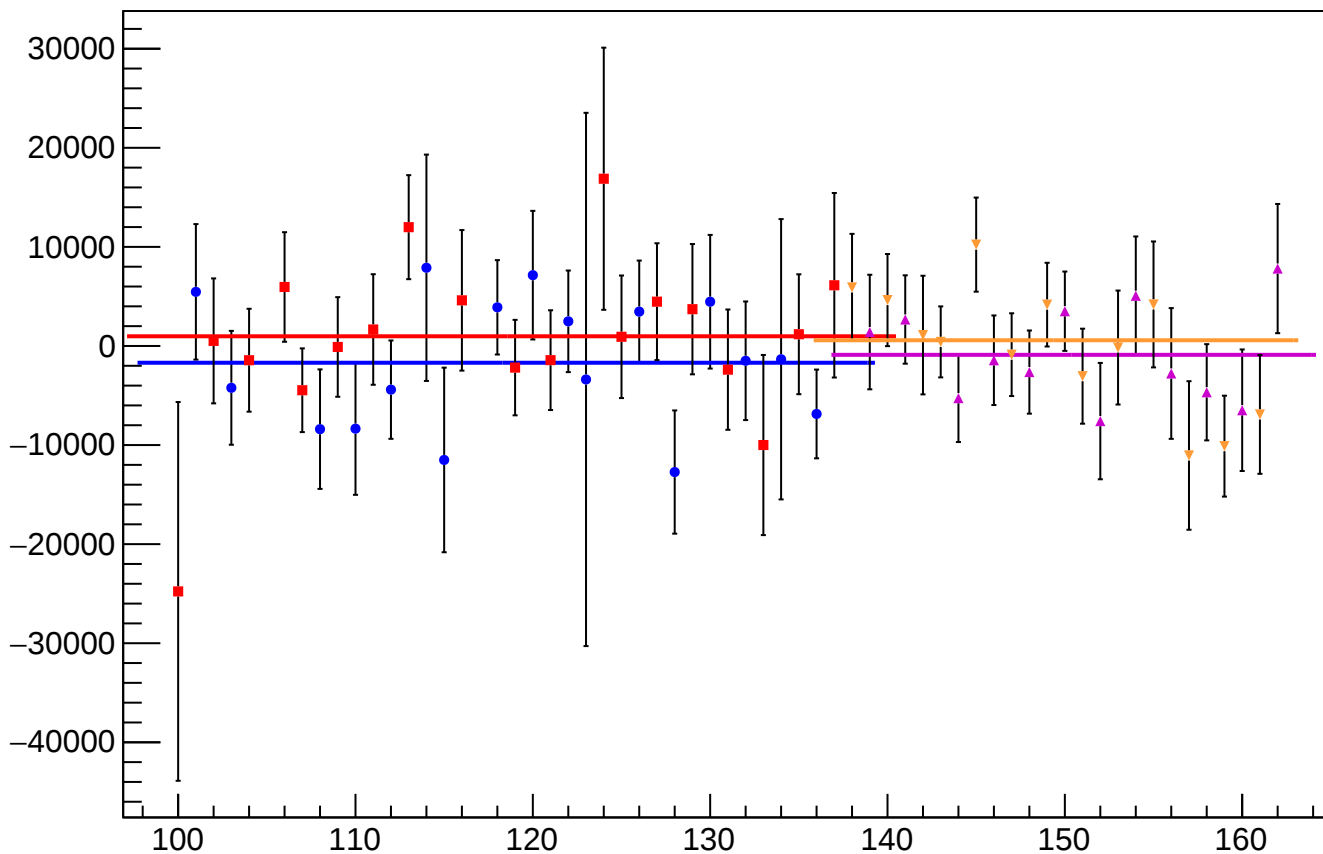
Left In: 1384.242+/-0.314 χ^2/NDF : 34056.1/11

+ sign 1451.543+/-0.258 χ^2/NDF : 1021005.0/29

All: 1443.263+/-0.180 χ^2/NDF : 1762629.8/60

- sign 1435.388+/-0.252 χ^2/NDF : 739618.7/30

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 576.712 ± 1377.820 χ^2/NDF : 16.0/12

Right Out: 977.899 ± 1378.874 χ^2/NDF : 13.9/18

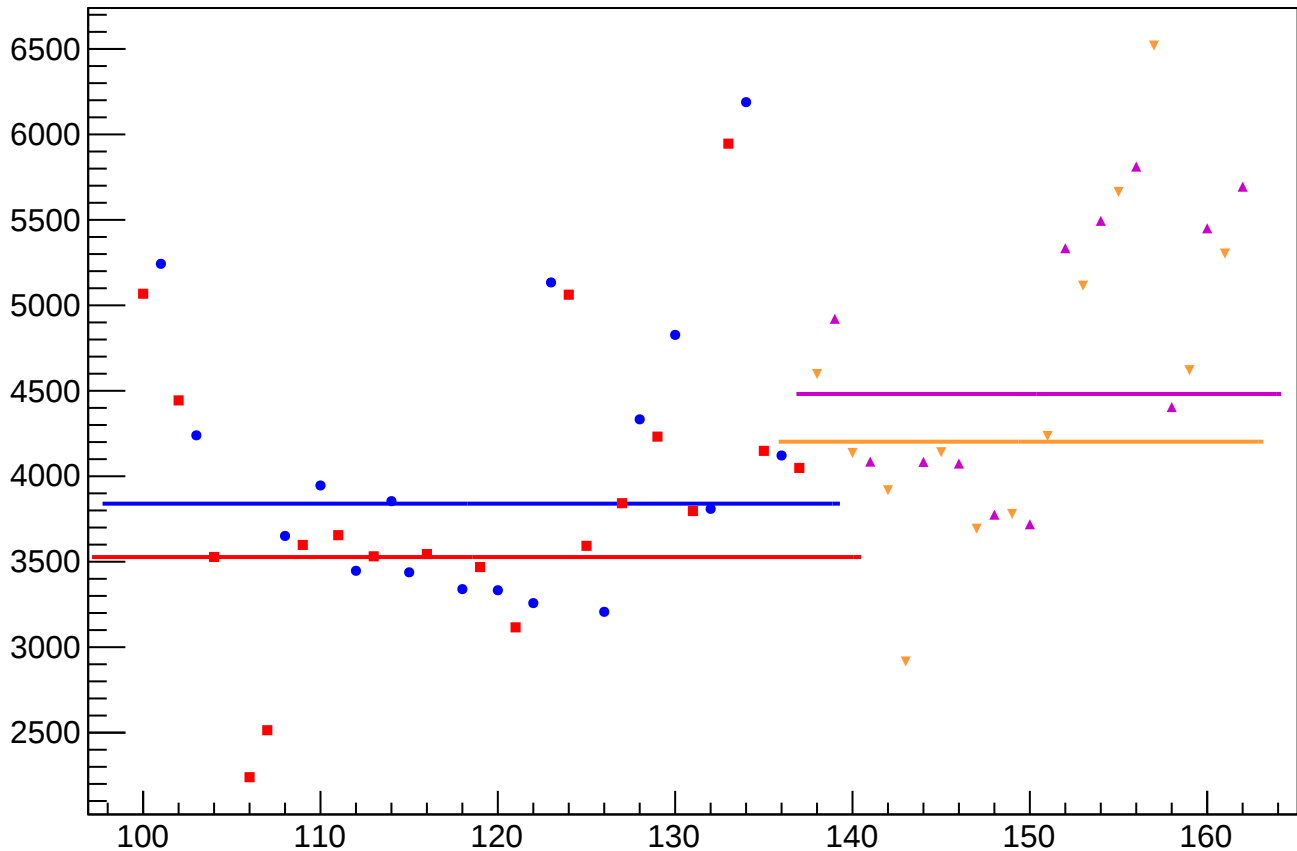
Left In: -895.047 ± 1456.116 χ^2/NDF : 8.8/11

+ sign -452.108 ± 1018.691 χ^2/NDF : 33.1/29

All: -175.131 ± 714.061 χ^2/NDF : 56.8/60

- sign 92.418 ± 1001.205 χ^2/NDF : 23.6/30

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4202.259+/-0.974 χ^2/NDF : 751928.6/12

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

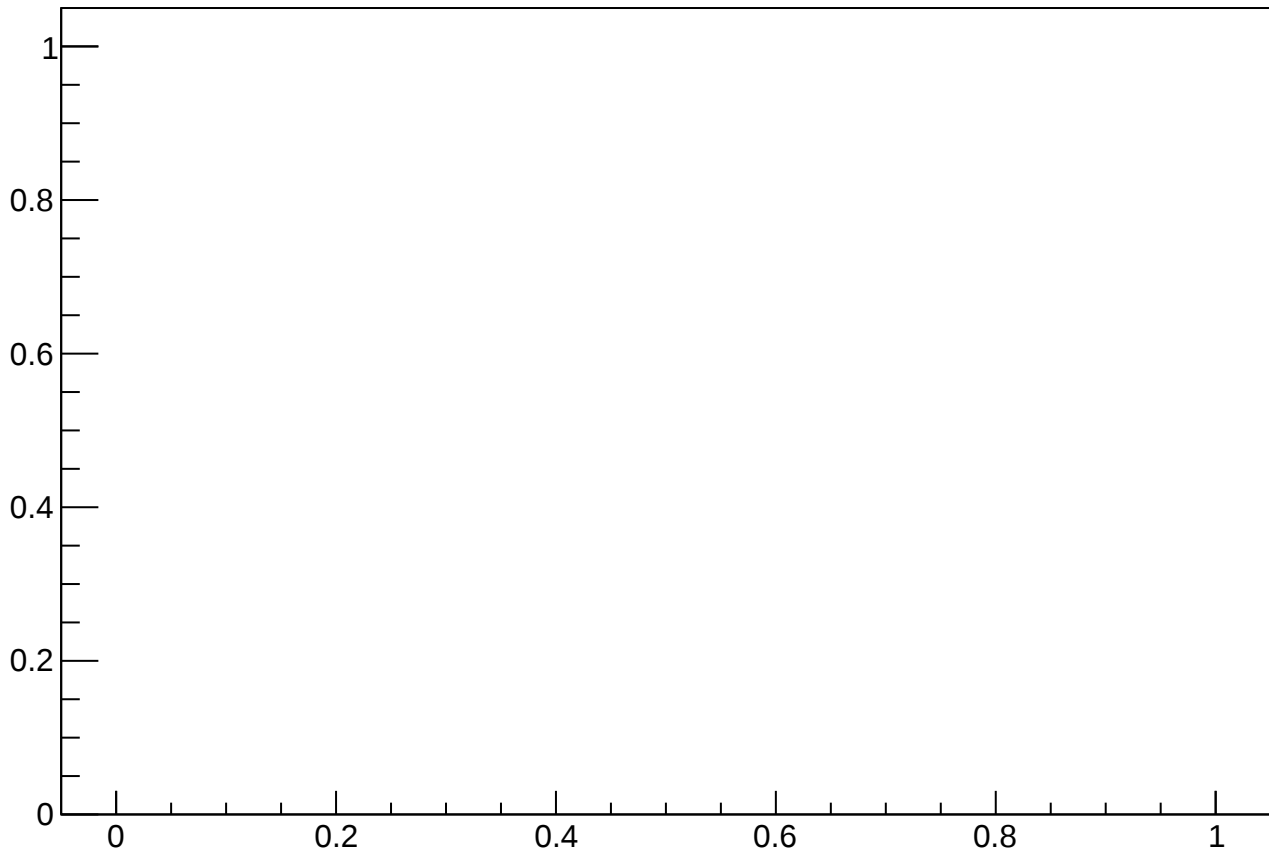
Left In: 4481.454+/-1.030 χ^2/NDF : 489096.4/11

+ sign 4037.907+/-0.720 χ^2/NDF : 1140655.7/29

All: 4005.282+/-0.504 χ^2/NDF : 2645203.2/60

- sign 3974.069+/-0.705 χ^2/NDF : 1500533.4/30

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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

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

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

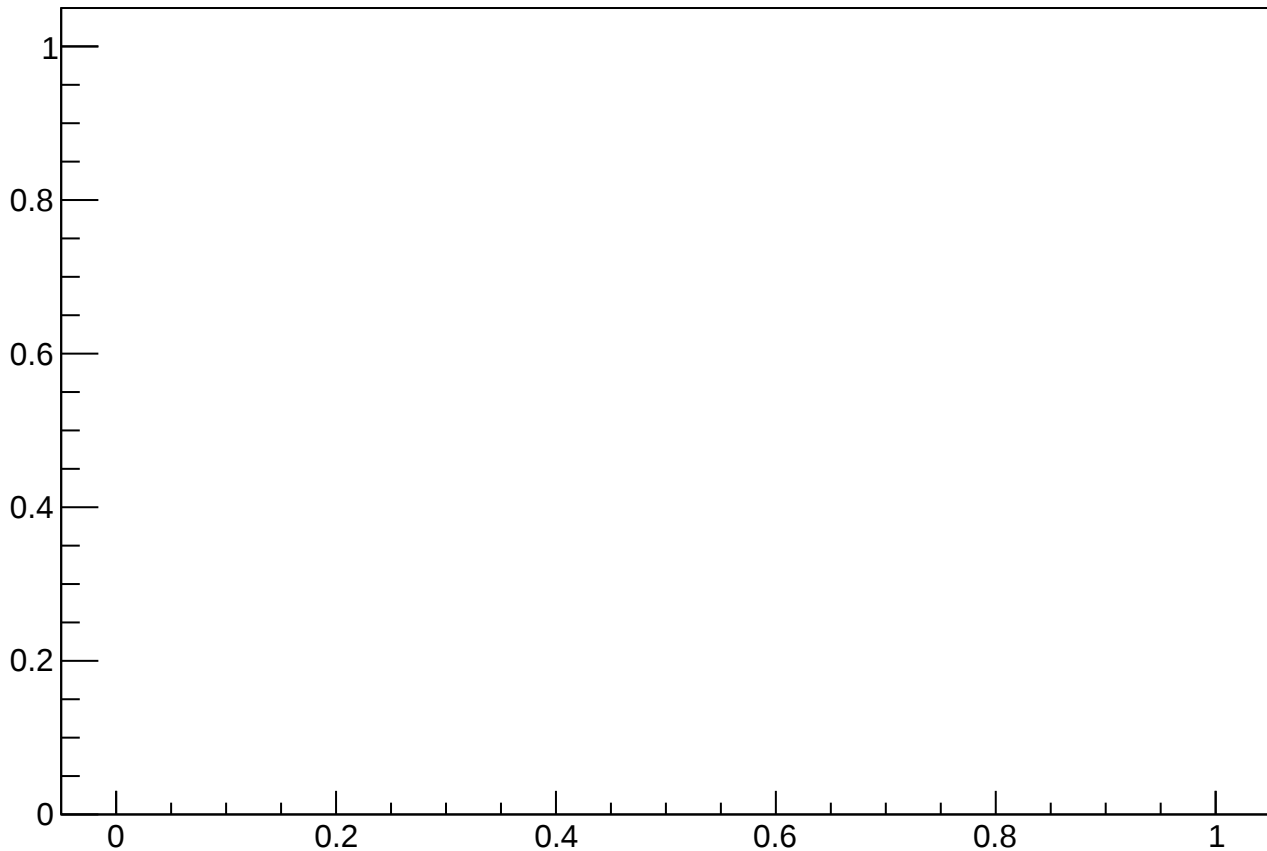
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



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

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

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

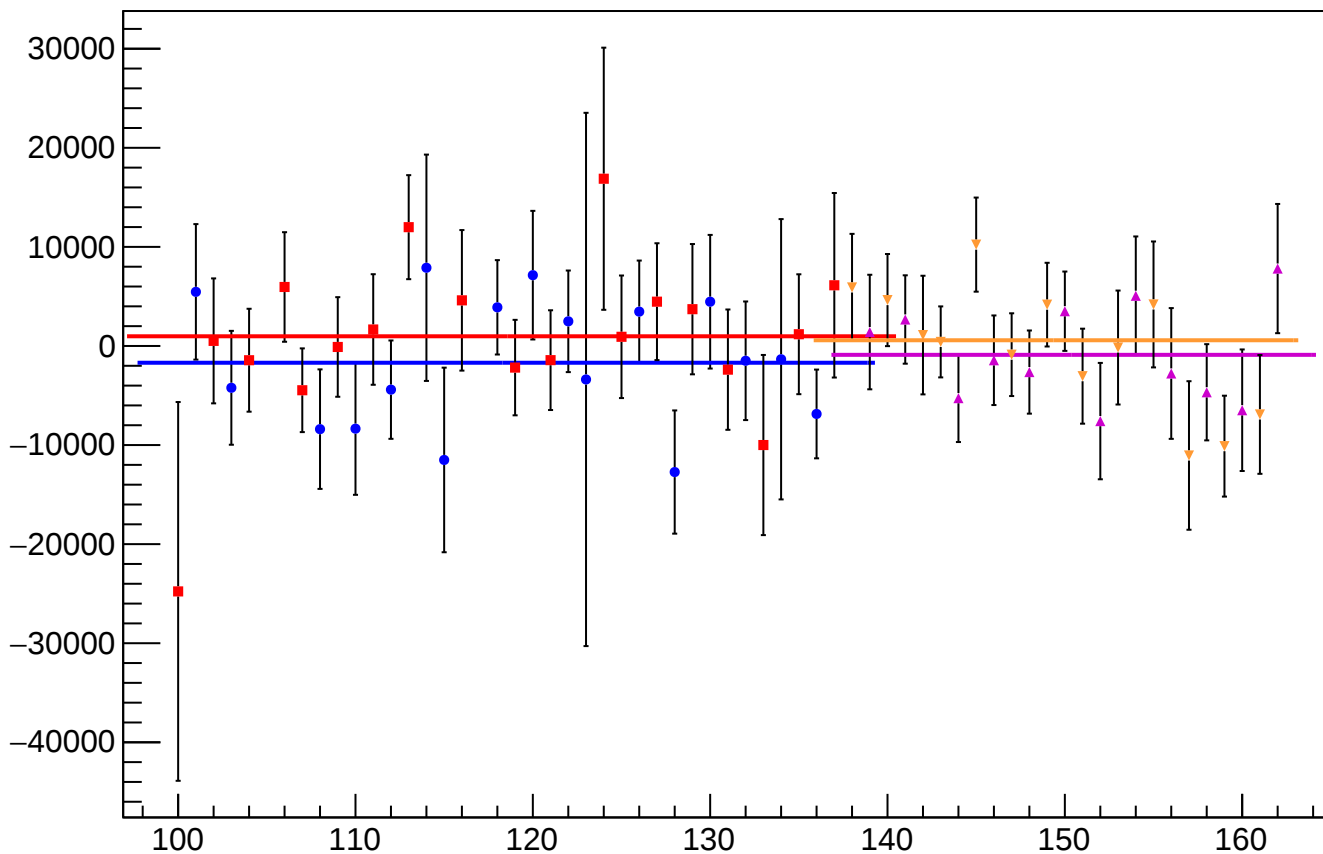
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 576.712 $\pm$ 1377.820 χ^2 /NDF:16.0/12

Right Out: 977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

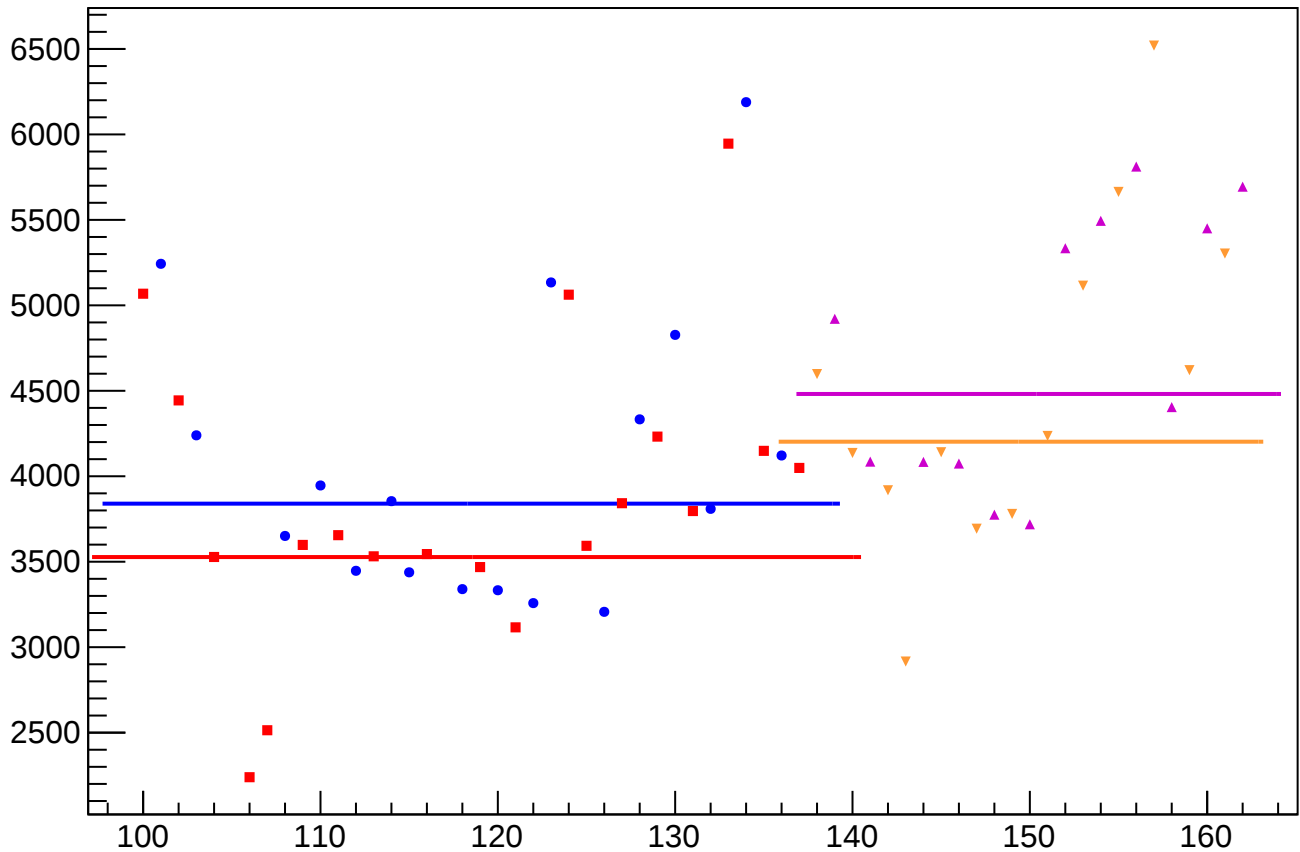
Left In: -895.047 $\pm$ 1456.116 χ^2 /NDF:8.8/11

+ sign -452.108 $\pm$ 1018.691 χ^2 /NDF: 33.1/29

All: -175.131 $\pm$ 714.061 χ^2 /NDF: 56.8/60

- sign 92.418 $\pm$ 1001.205 χ^2 /NDF: 23.6/30

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4202.259+/-0.974 χ^2/NDF : 751928.6/12

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

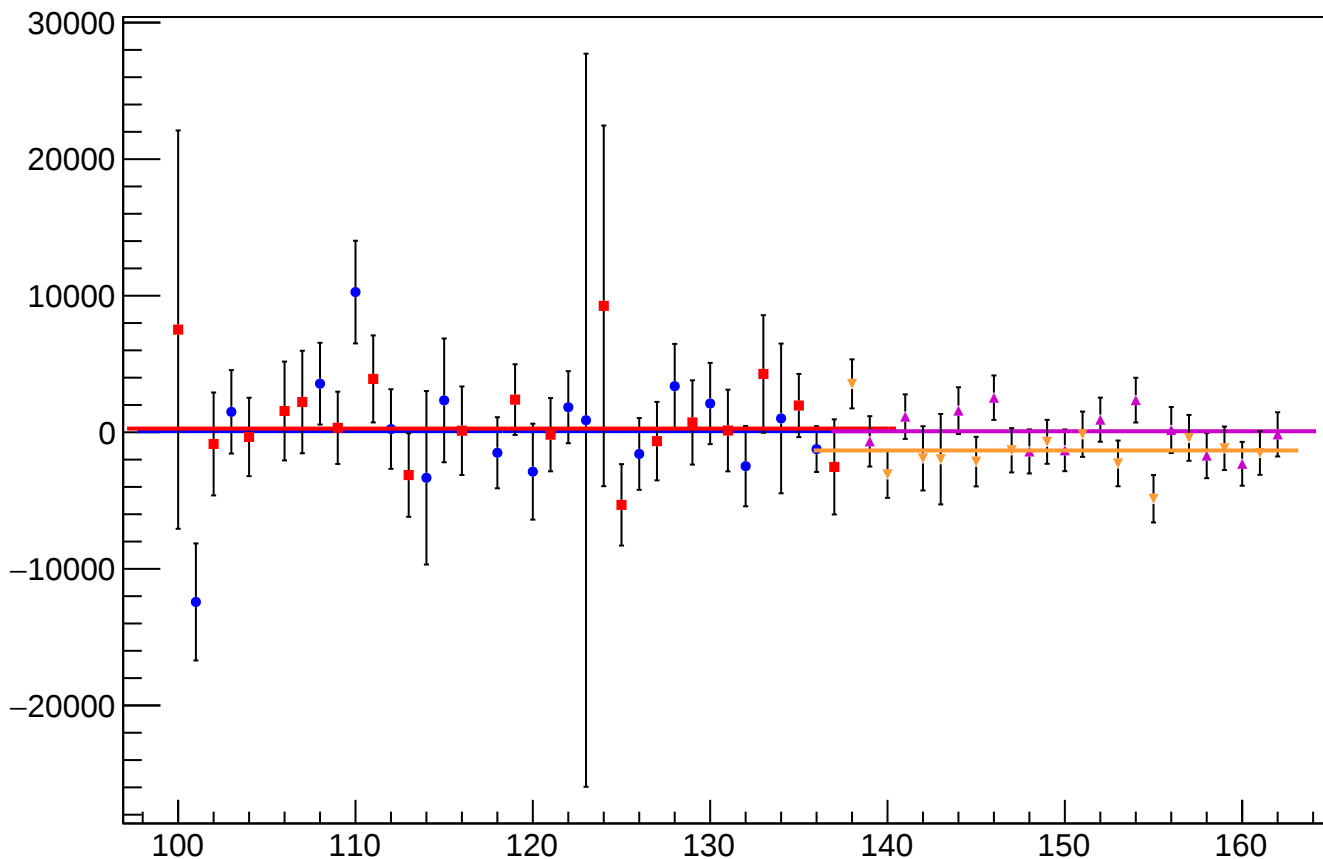
Left In: 4481.454+/-1.030 χ^2/NDF : 489096.4/11

+ sign 4037.907+/-0.720 χ^2/NDF : 1140655.7/29

All: 4005.282+/-0.504 χ^2/NDF : 2645203.2/60

- sign 3974.069+/-0.705 χ^2/NDF : 1500533.4/30

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1330.057+/-488.890 χ^2/NDF :14.2/12

Right Out: 272.707+/-734.115 χ^2/NDF : 10.2/18

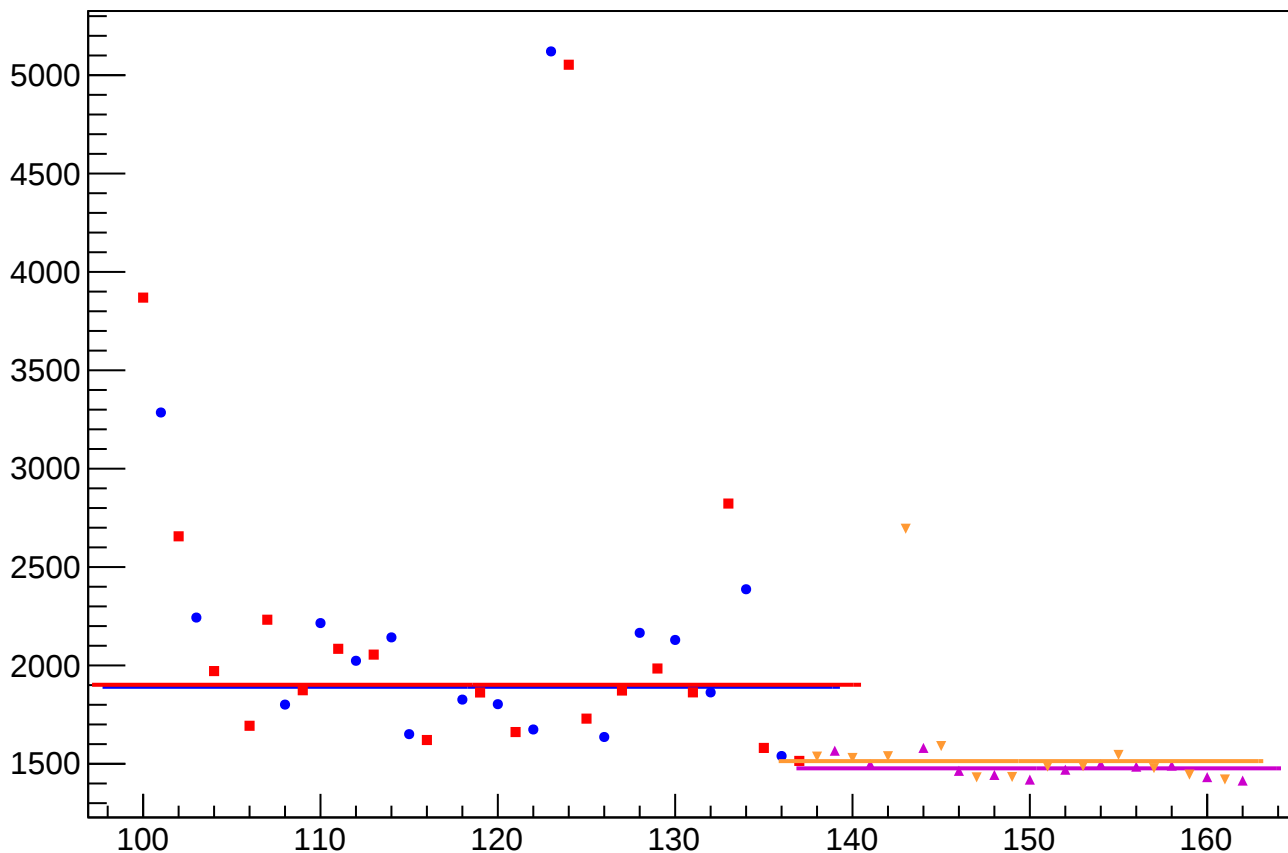
Left In: 76.945+/-474.101 χ^2/NDF :10.9/11

+ sign -908.856+/-409.649 χ^2/NDF : 39.6/29

All: -372.451+/-285.556 χ^2/NDF : 64.0/60

- sign 134.562+/-398.267 χ^2/NDF : 21.2/30

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1513.689 $\pm$ 0.346 χ^2 /NDF: 282106.4/12

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

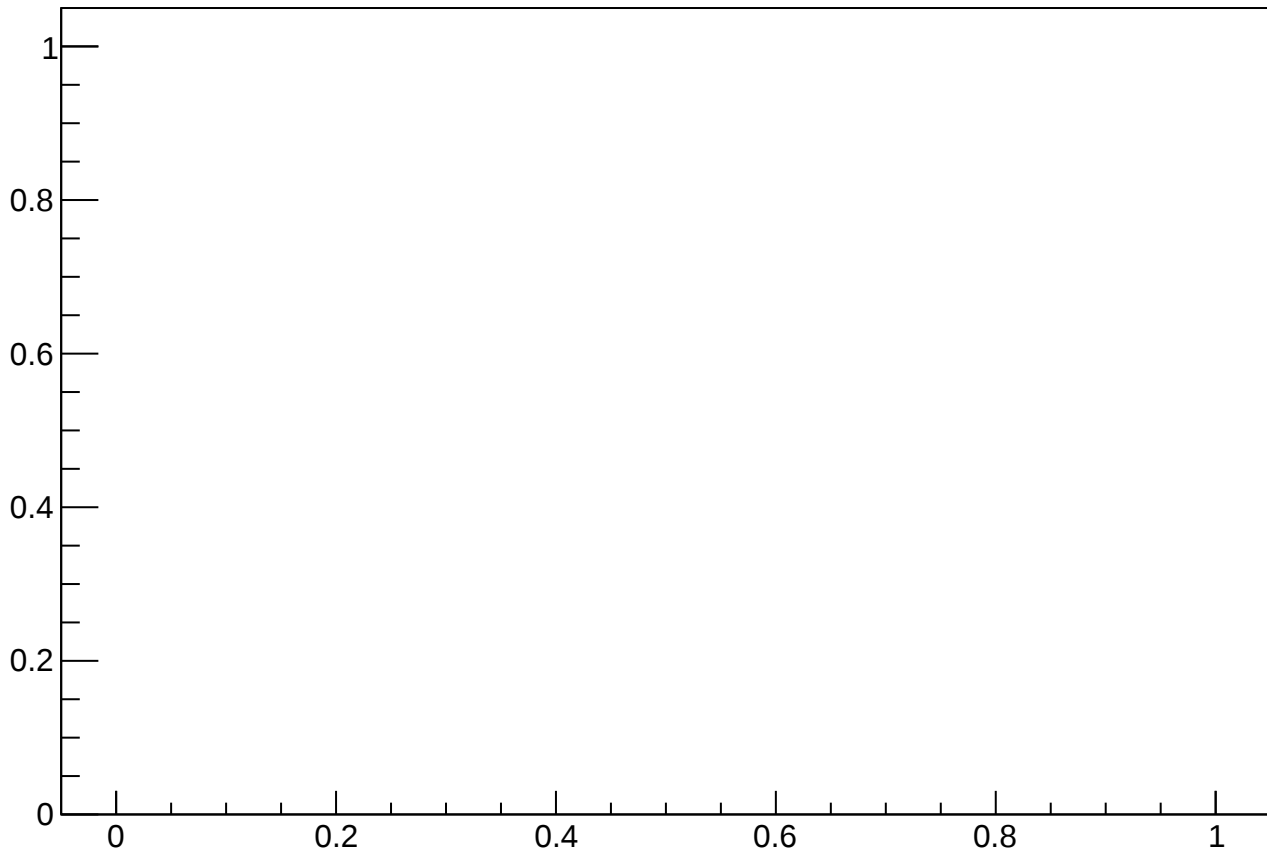
Left In: 1476.964 $\pm$ 0.335 χ^2 /NDF: 21285.9/11

+ sign 1626.237 $\pm$ 0.290 χ^2 /NDF: 1102404.9/29

All: 1613.779 $\pm$ 0.202 χ^2 /NDF: 2060642.0/60

- sign 1602.004 $\pm$ 0.282 χ^2 /NDF: 954639.4/30

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



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

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

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

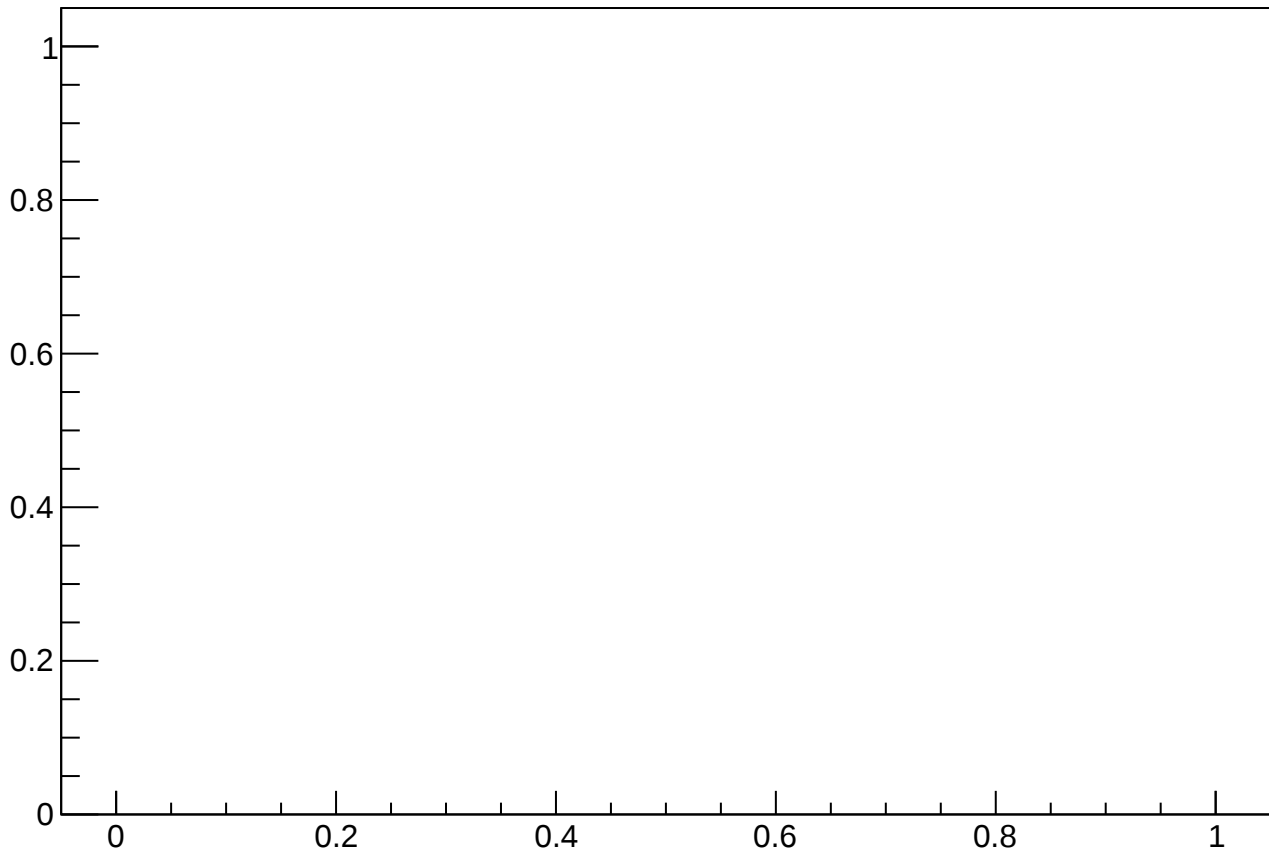
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



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

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

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

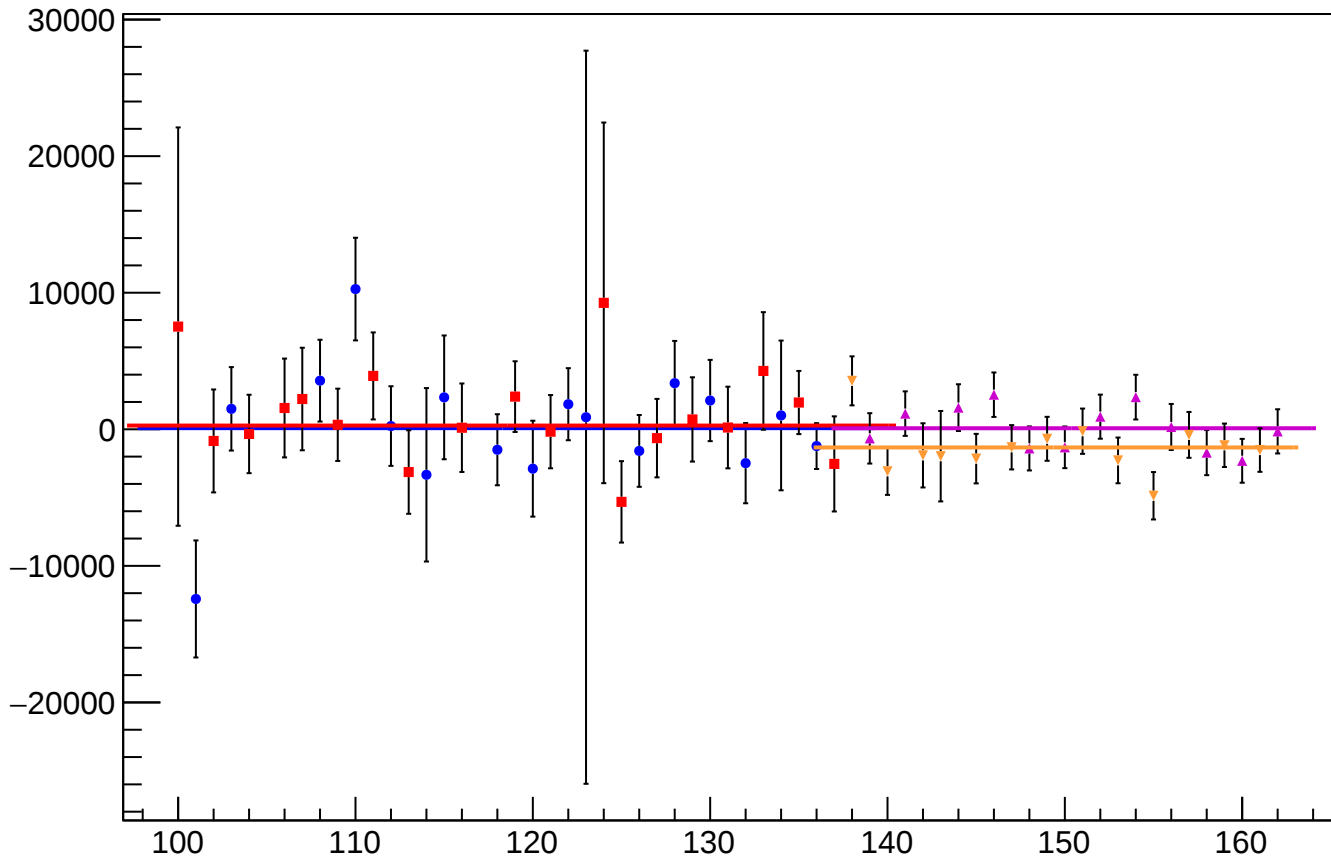
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860 ± 750.549 χ^2/NDF : 22.9/16

Left Out: -1330.057 ± 488.890 χ^2/NDF : 14.2/12

Right Out: 272.707 ± 734.115 χ^2/NDF : 10.2/18

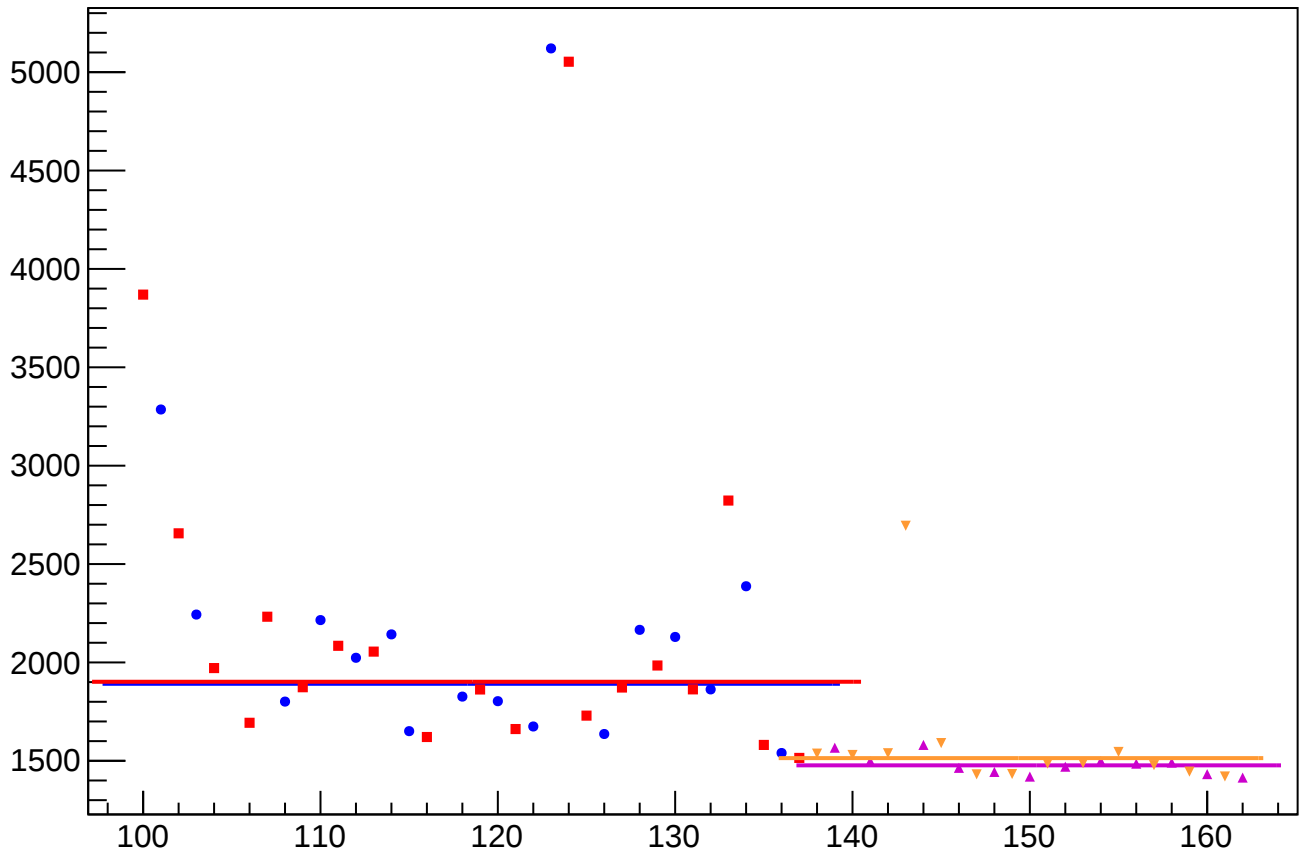
Left In: 76.945 ± 474.101 χ^2/NDF : 10.9/11

+ sign -908.856 ± 409.649 χ^2/NDF : 39.6/29

All: -372.451 ± 285.556 χ^2/NDF : 64.0/60

- sign 134.562 ± 398.267 χ^2/NDF : 21.2/30

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1513.689+/-0.346 χ^2/NDF : 282106.4/12

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

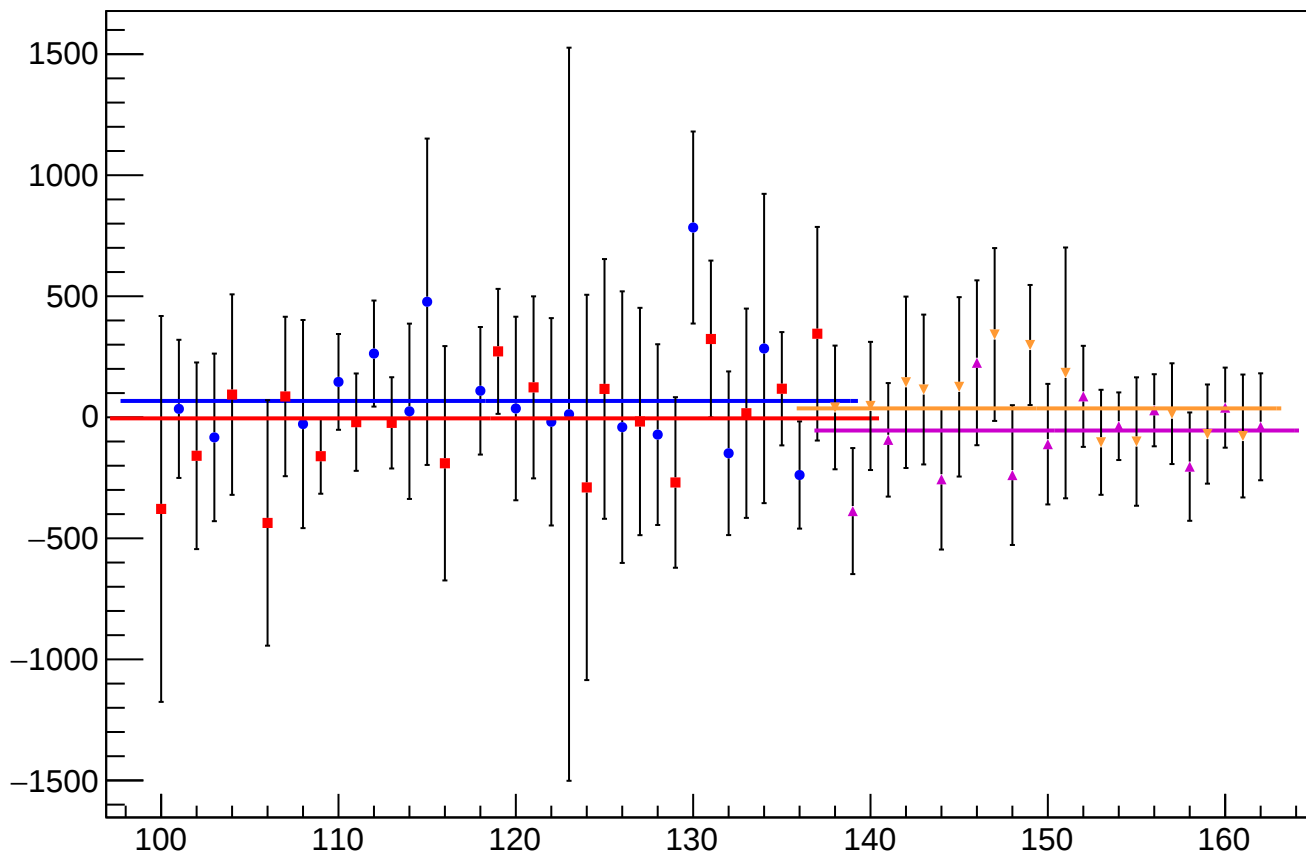
Left In: 1476.964+/-0.335 χ^2/NDF : 21285.9/11

+ sign 1626.237+/-0.290 χ^2/NDF : 1102404.9/29

All: 1613.779+/-0.202 χ^2/NDF : 2060642.0/60

- sign 1602.004+/-0.282 χ^2/NDF : 954639.4/30

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: 36.768+/-74.324 χ^2/NDF : 3.3/12

Right Out: -4.423+/-70.009 χ^2/NDF : 6.4/18

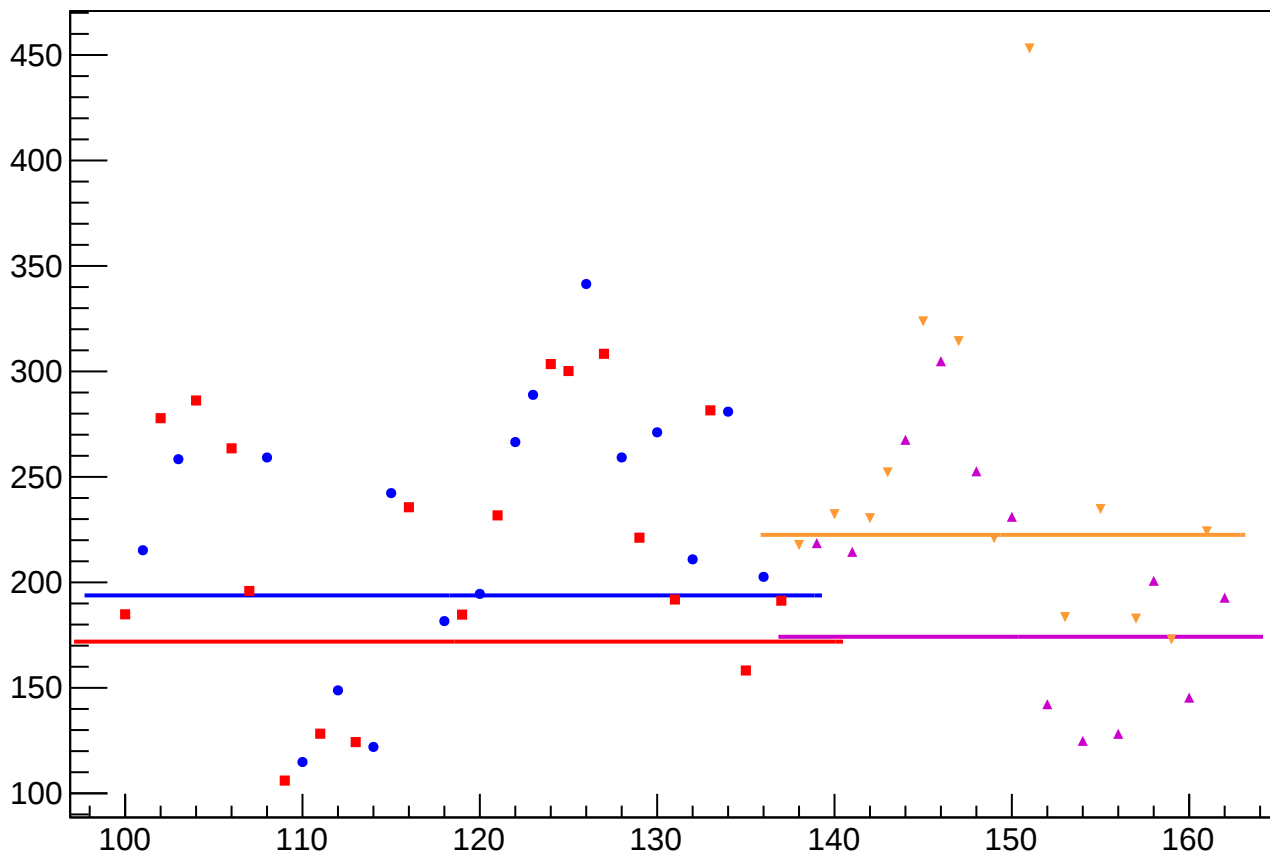
Left In: -54.585+/-59.987 χ^2/NDF : 4.8/11

+ sign 51.100+/-54.327 χ^2/NDF : 10.9/29

All: 1.513+/-34.906 χ^2/NDF : 23.8/60

- sign -33.349+/-45.552 χ^2/NDF : 11.5/30

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 222.529 $\pm$ 0.053 χ^2 /NDF: 959596.2/12

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

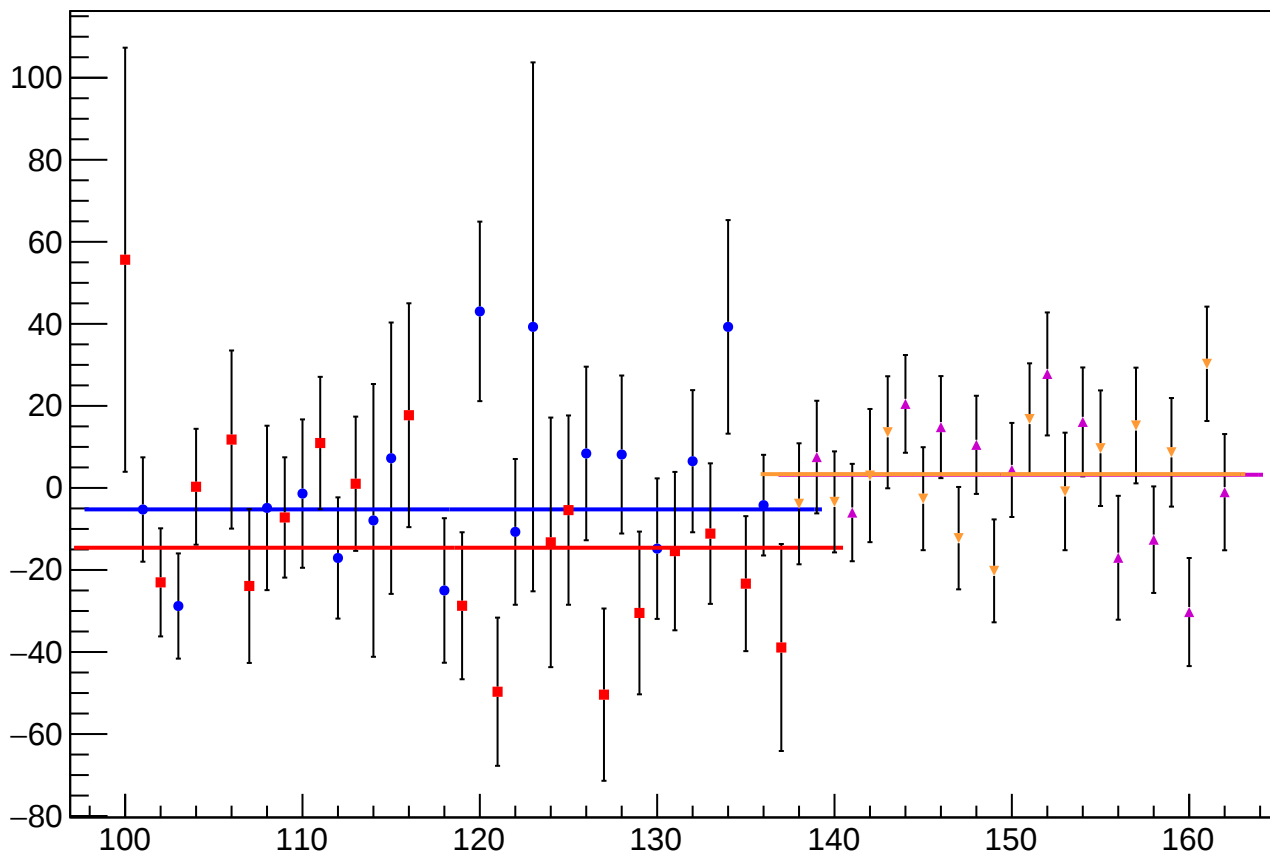
Left In: 174.213 $\pm$ 0.042 χ^2 /NDF: 1460723.2/11

+ sign 209.157 $\pm$ 0.038 χ^2 /NDF: 2108941.7/29

All: 188.069 $\pm$ 0.025 χ^2 /NDF: 5661199.2/60

- sign 173.242 $\pm$ 0.032 χ^2 /NDF: 3039036.8/30

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: 3.363 ± 3.762 χ^2/NDF : 12.3/12

Right Out: -14.579 ± 4.265 χ^2/NDF : 19.5/18

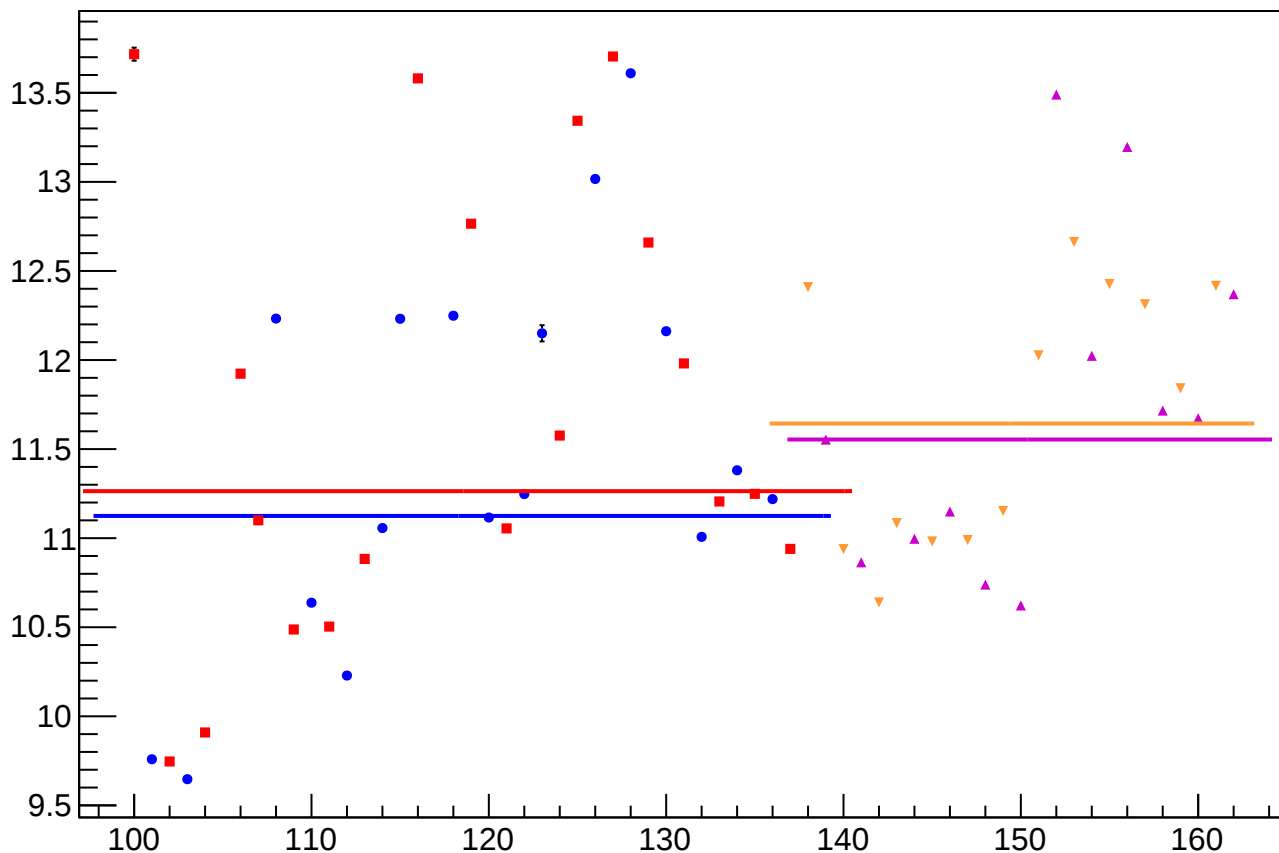
Left In: 3.214 ± 3.735 χ^2/NDF : 17.5/11

+ sign -0.308 ± 2.847 χ^2/NDF : 30.0/29

All: -2.436 ± 2.000 χ^2/NDF : 78.0/60

- sign -4.509 ± 2.810 χ^2/NDF : 46.9/30

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 ± 0.003 $\chi^2/\text{NDF}: 132520.1/16$

Left Out: 11.644 ± 0.003 $\chi^2/\text{NDF}: 66052.0/12$

Right Out: 11.264 ± 0.003 $\chi^2/\text{NDF}: 147733.2/18$

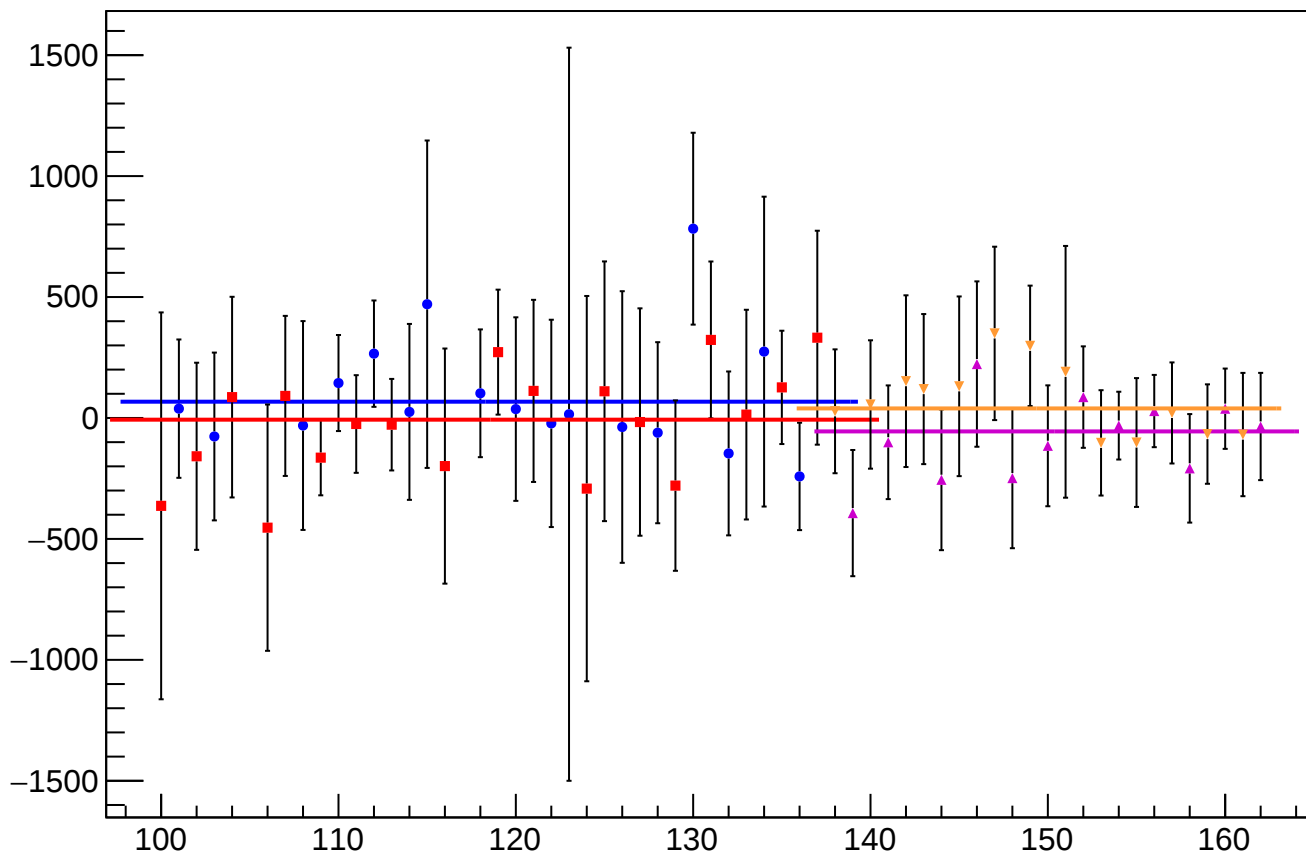
Left In: 11.554 ± 0.003 $\chi^2/\text{NDF}: 102323.1/11$

+ sign 11.422 ± 0.002 $\chi^2/\text{NDF}: 214819.5/29$

All: 11.425 ± 0.001 $\chi^2/\text{NDF}: 470108.3/60$

- sign 11.428 ± 0.002 $\chi^2/\text{NDF}: 255284.2/30$

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305 ± 79.817 $\chi^2/\text{NDF}: 7.5/16$

Left Out: 39.473 ± 74.576 $\chi^2/\text{NDF}: 3.3/12$

Right Out: -7.039 ± 70.212 $\chi^2/\text{NDF}: 6.4/18$

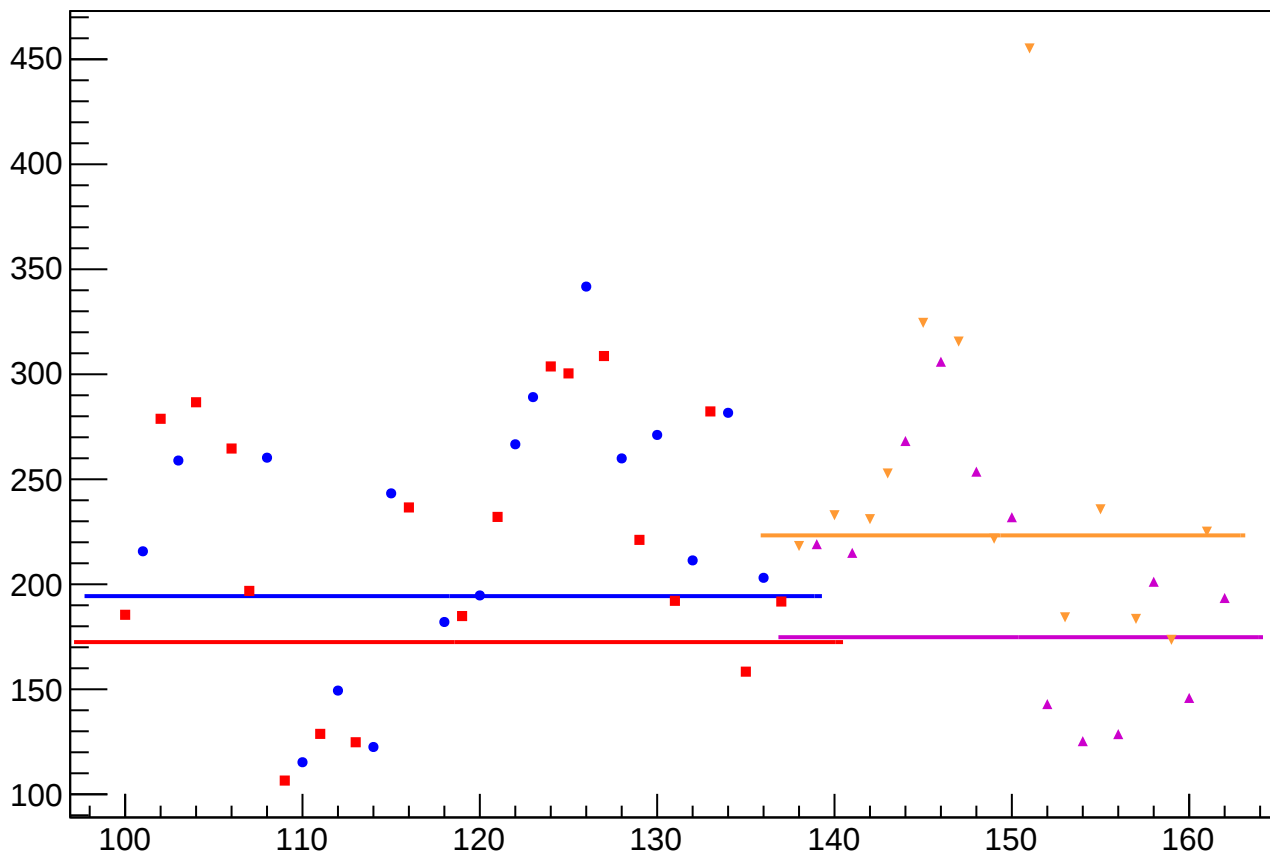
Left In: -55.565 ± 60.188 $\chi^2/\text{NDF}: 4.9/11$

+ sign 52.445 ± 54.492 $\chi^2/\text{NDF}: 10.9/29$

All: 1.098 ± 35.014 $\chi^2/\text{NDF}: 24.0/60$

- sign -35.010 ± 45.696 $\chi^2/\text{NDF}: 11.7/30$

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: 223.285 $\pm$ 0.053 χ^2 /NDF: 958881.8/12

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

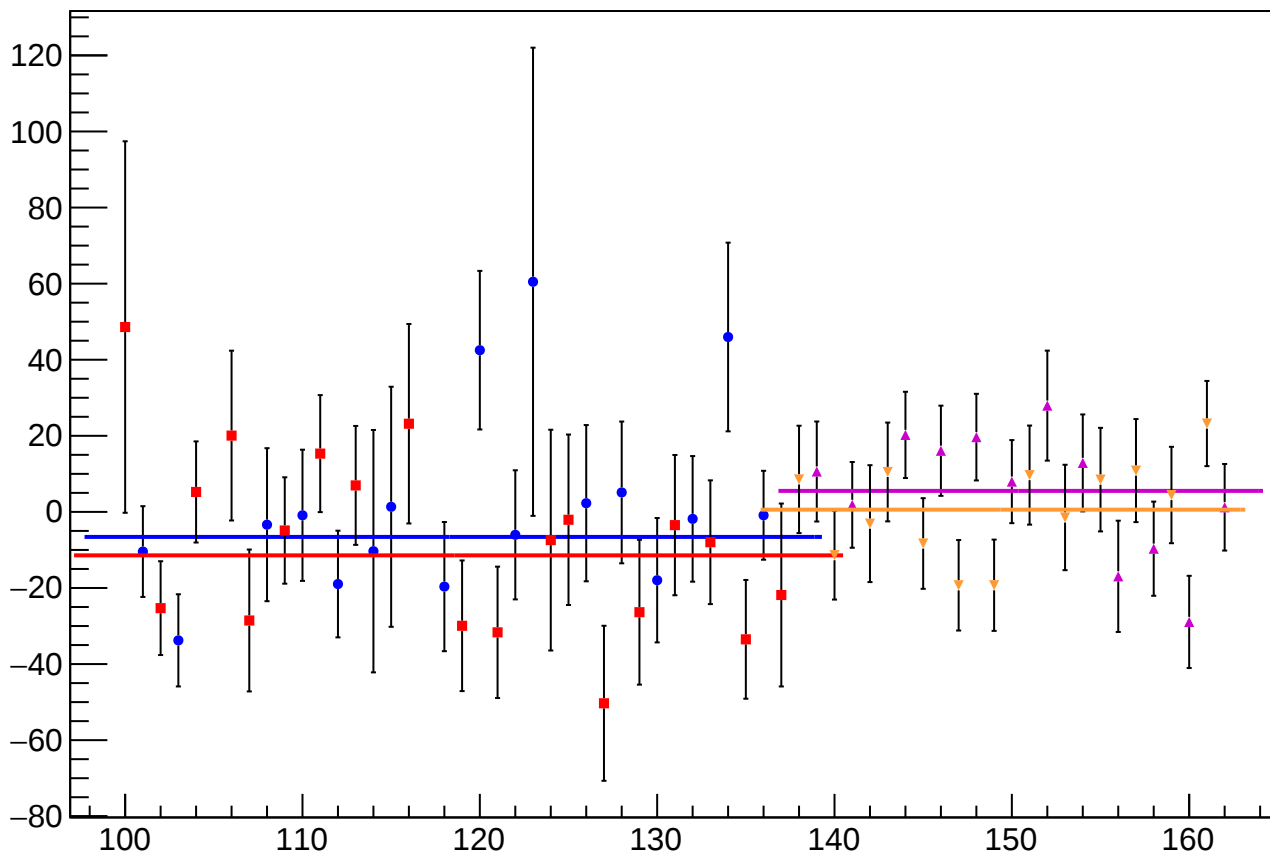
Left In: 174.807 $\pm$ 0.043 χ^2 /NDF: 1458453.8/11

+ sign 209.806 $\pm$ 0.039 χ^2 /NDF: 2104303.8/29

All: 188.677 $\pm$ 0.025 χ^2 /NDF: 5645850.2/60

- sign 173.818 $\pm$ 0.032 χ^2 /NDF: 3029378.3/30

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 $\pm$ 4.157 χ^2/NDF : 19.3/16

Left Out: 0.592 $\pm$ 3.541 χ^2/NDF : 13.7/12

Right Out: -11.423 $\pm$ 4.080 χ^2/NDF : 23.0/18

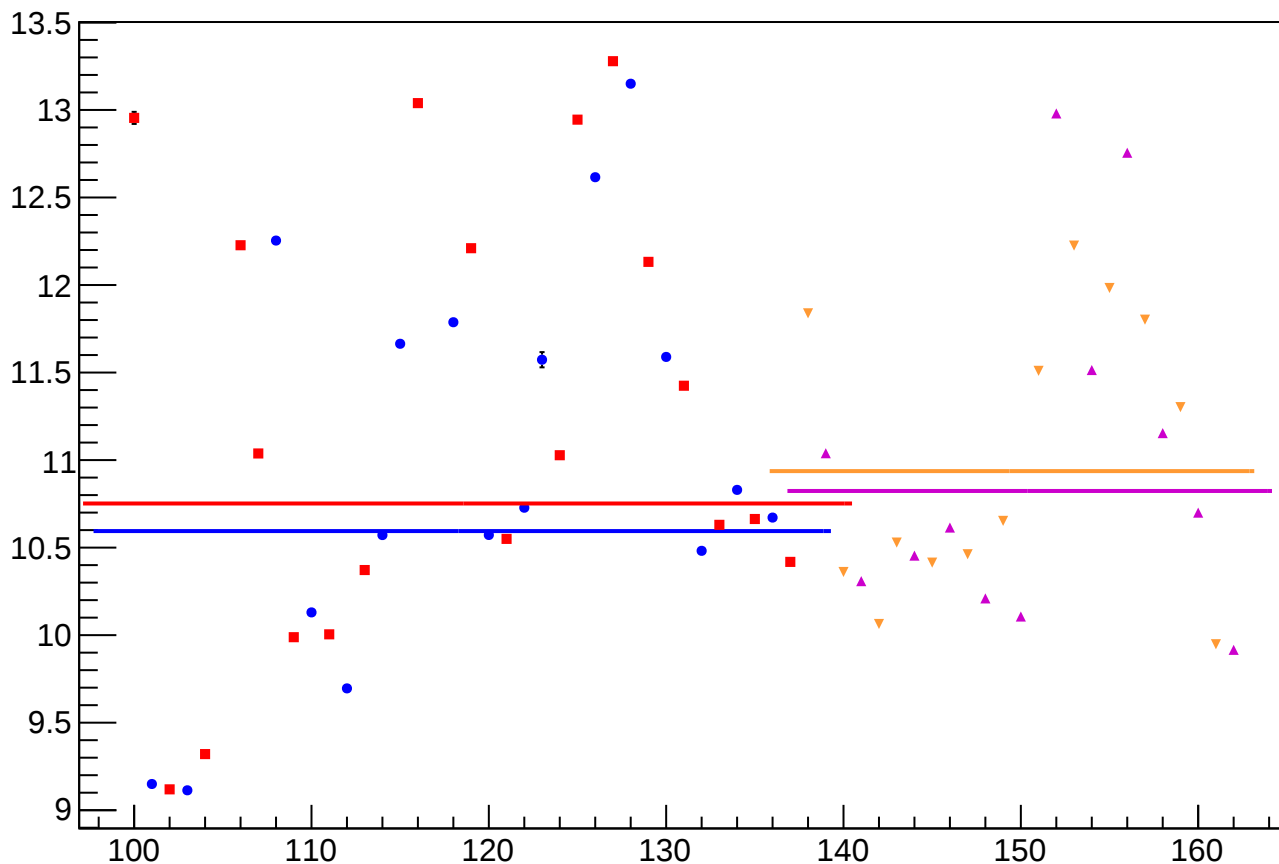
Left In: 5.524 $\pm$ 3.506 χ^2/NDF : 19.1/11

+ sign -2.422 $\pm$ 2.696 χ^2/NDF : 34.8/29

All: -2.044 $\pm$ 1.893 χ^2/NDF : 86.8/60

- sign -1.676 $\pm$ 2.659 χ^2/NDF : 52.0/30

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: 10.937 ± 0.003 χ^2/NDF : 88023.2/12

Right Out: 10.752 ± 0.003 χ^2/NDF : 177173.0/18

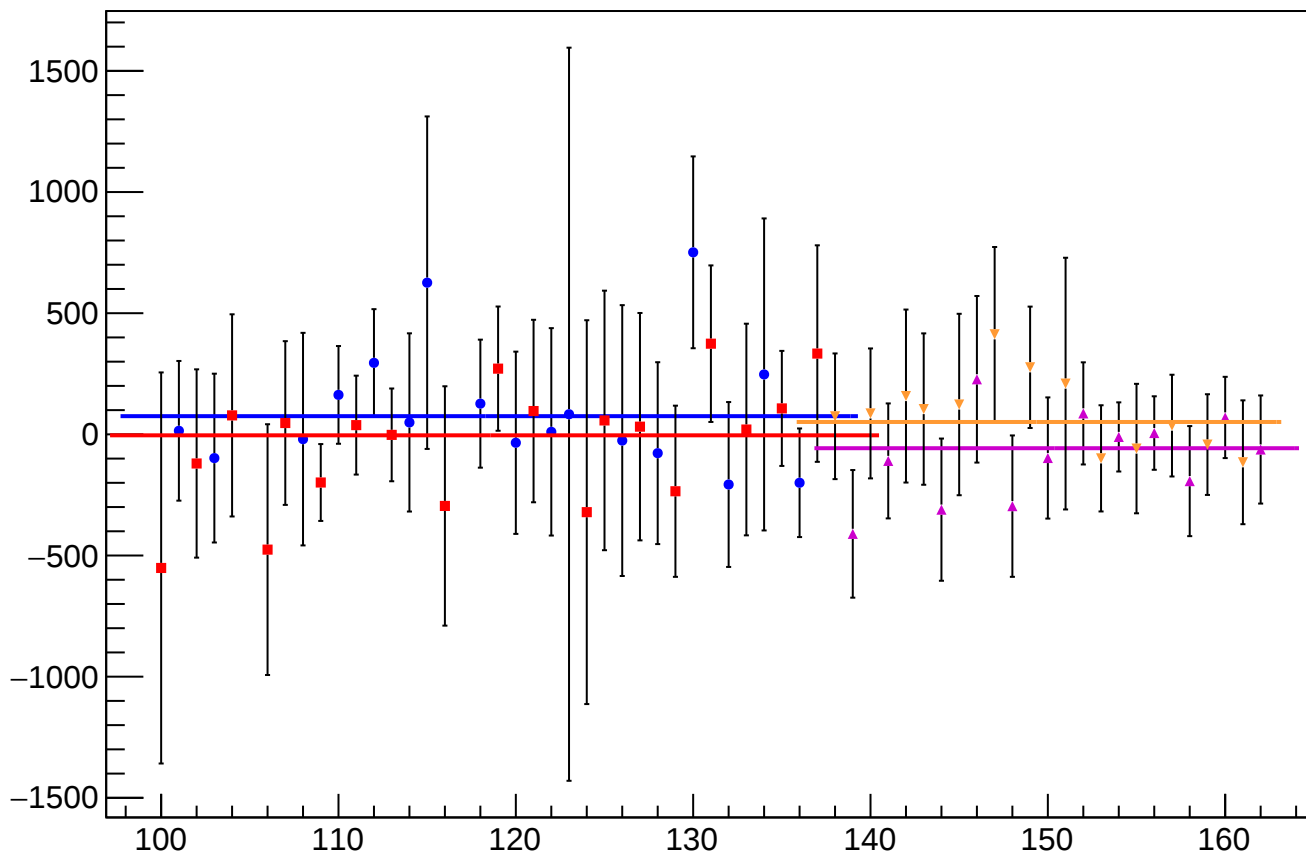
Left In: 10.824 ± 0.002 χ^2/NDF : 121568.1/11

+ sign 10.793 ± 0.002 χ^2/NDF : 255951.0/29

All: 10.793 ± 0.001 χ^2/NDF : 555045.5/60

- sign 10.793 ± 0.002 χ^2/NDF : 299094.5/30

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: 51.087 $\pm$ 75.089 χ^2 /NDF: 3.4/12

Right Out: -3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

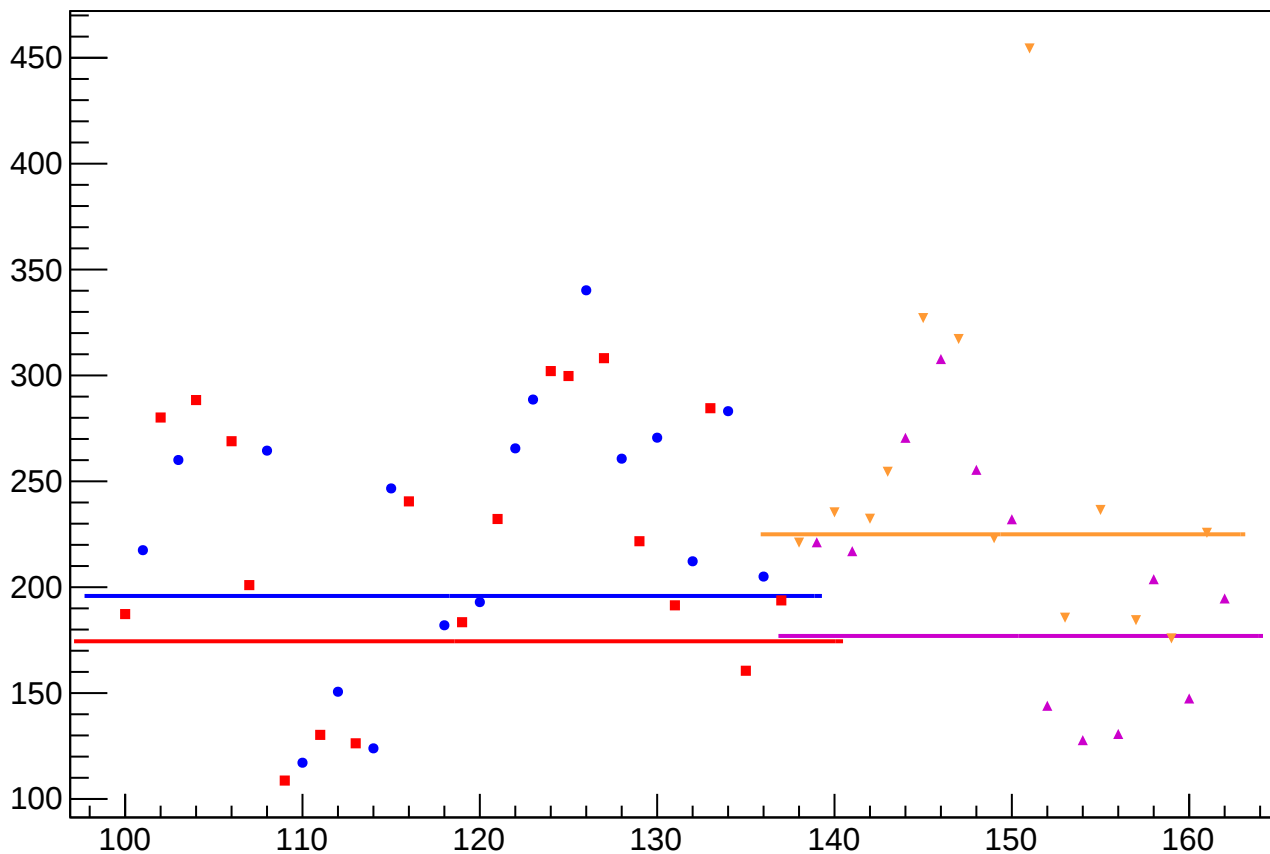
Left In: -57.191 $\pm$ 60.843 χ^2 /NDF: 5.7/11

+ sign 62.275 $\pm$ 54.862 χ^2 /NDF: 11.1/29

All: 5.547 $\pm$ 35.324 χ^2 /NDF: 26.2/60

- sign -34.626 $\pm$ 46.168 χ^2 /NDF: 13.3/30

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869+/-0.057 χ^2/NDF : 979247.4/16

Left Out: 224.981+/-0.053 χ^2/NDF : 947199.9/12

Right Out: 174.465+/-0.050 χ^2/NDF : 1528778.5/18

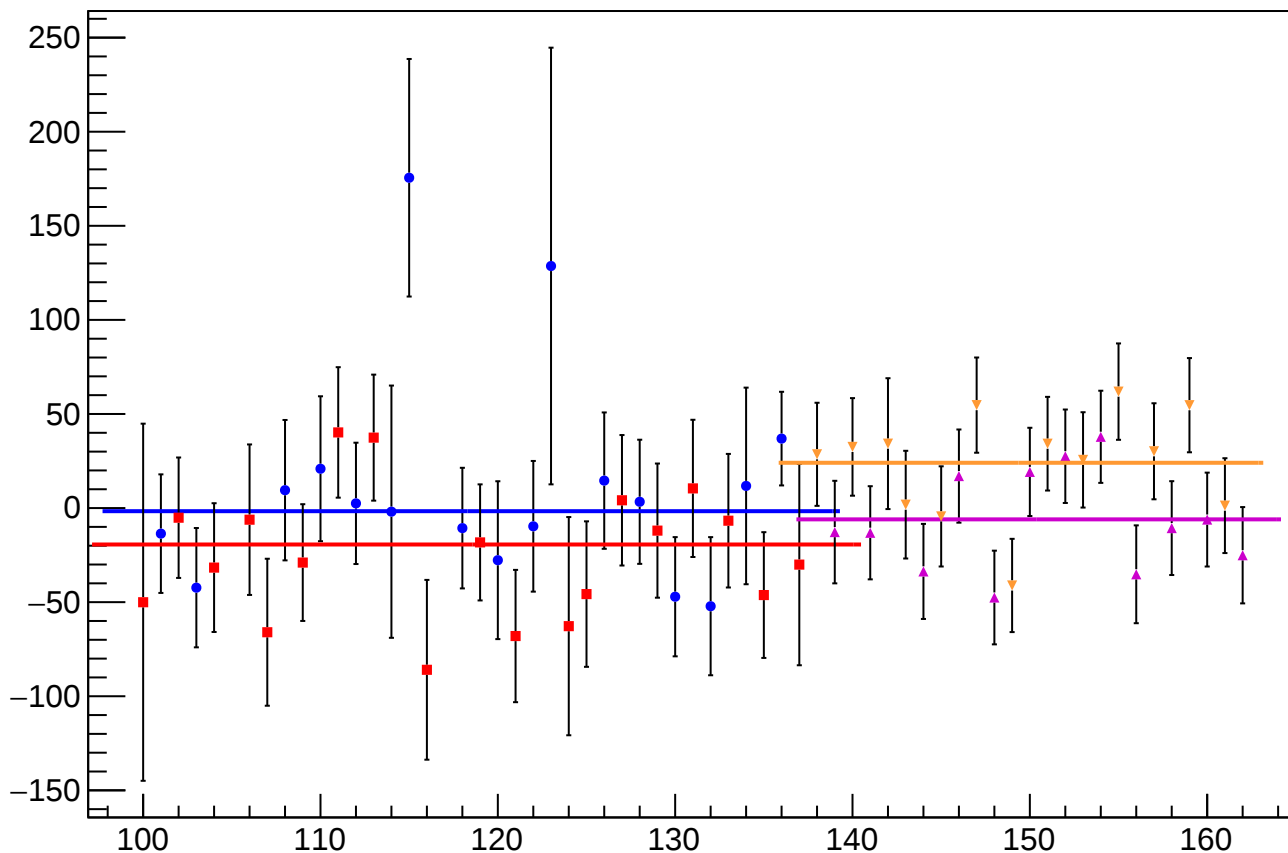
Left In: 176.985+/-0.043 χ^2/NDF : 1423253.9/11

+ sign 211.409+/-0.039 χ^2/NDF : 2066589.5/29

All: 190.631+/-0.025 χ^2/NDF : 5510128.6/60

- sign 175.916+/-0.033 χ^2/NDF : 2953487.7/30

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: -19.357 ± 8.556 χ^2/NDF : 14.8/18

Right Out: -6.006 ± 7.232 χ^2/NDF : 13.0/11

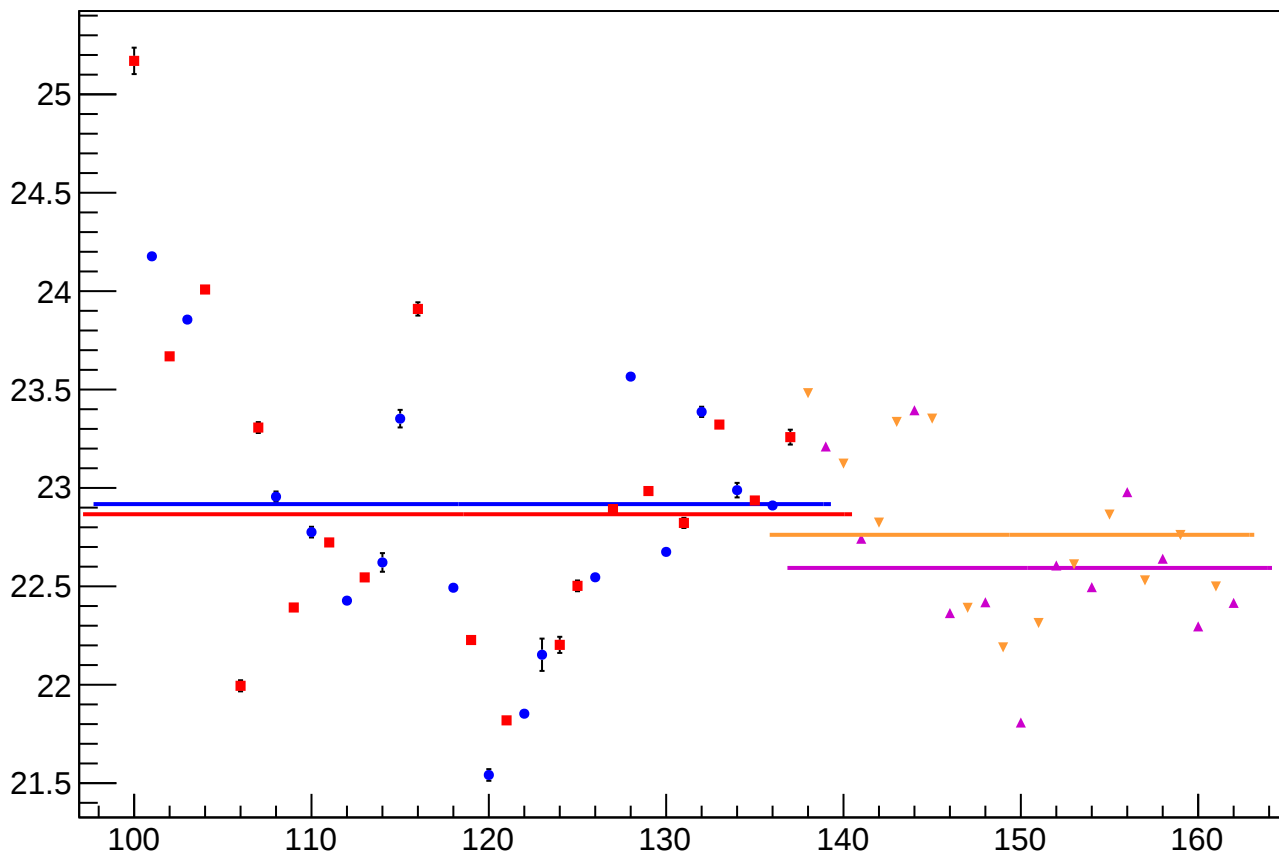
Left In: 24.068 ± 7.279 χ^2/NDF : 15.1/12

+ sign 13.732 ± 5.630 χ^2/NDF : 38.6/29

All: 0.839 ± 3.943 χ^2/NDF : 78.1/60

- sign -11.570 ± 5.523 χ^2/NDF : 29.2/30

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.762 $\pm$ 0.005 χ^2 /NDF: 6191.7/12

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

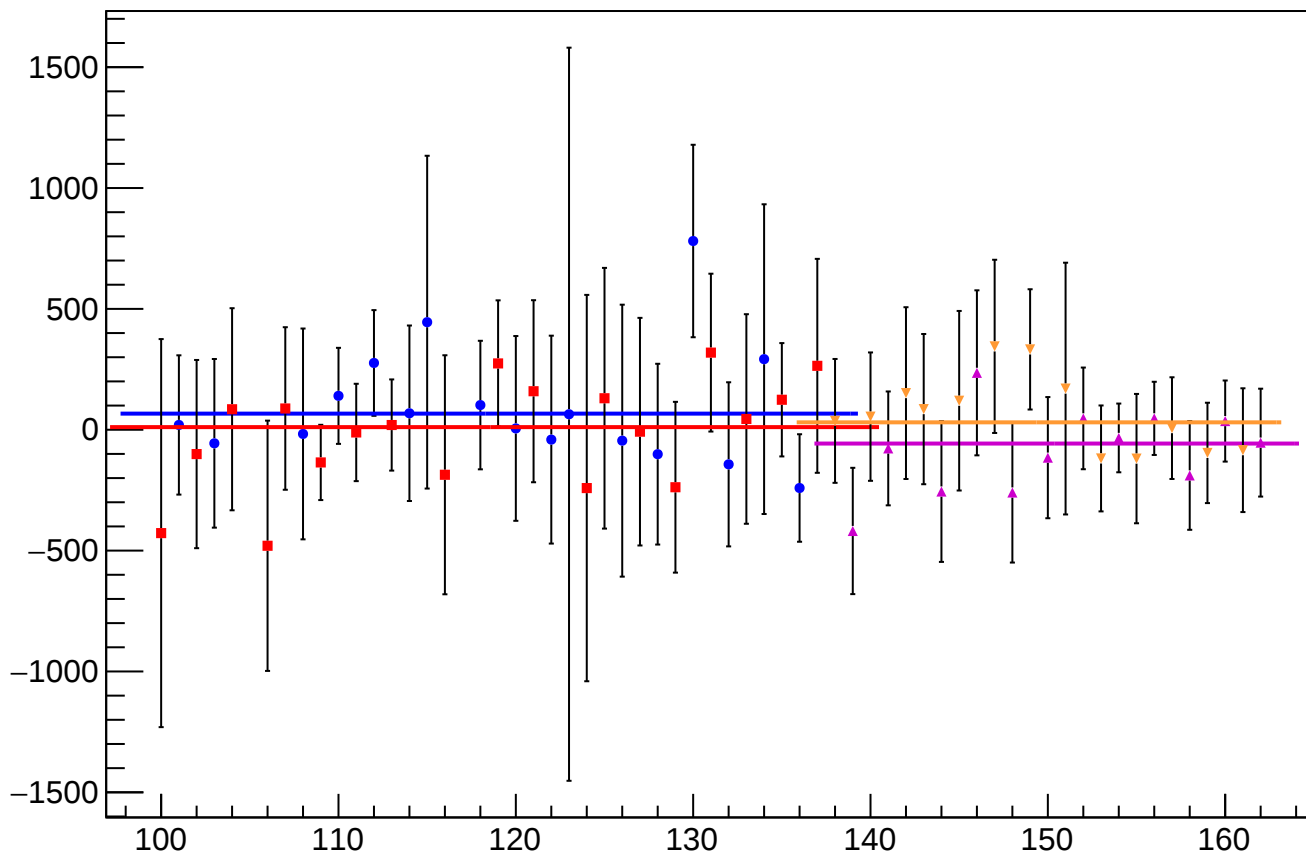
Left In: 22.594 $\pm$ 0.005 χ^2 /NDF: 6481.6/11

+ sign 22.825 $\pm$ 0.004 χ^2 /NDF: 18033.1/29

All: 22.765 $\pm$ 0.003 χ^2 /NDF: 37196.0/60

- sign 22.707 $\pm$ 0.004 χ^2 /NDF: 18720.5/30

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: 30.634+/-74.864 χ^2/NDF : 3.9/12

Right Out: 10.870+/-70.386 χ^2/NDF : 5.7/18

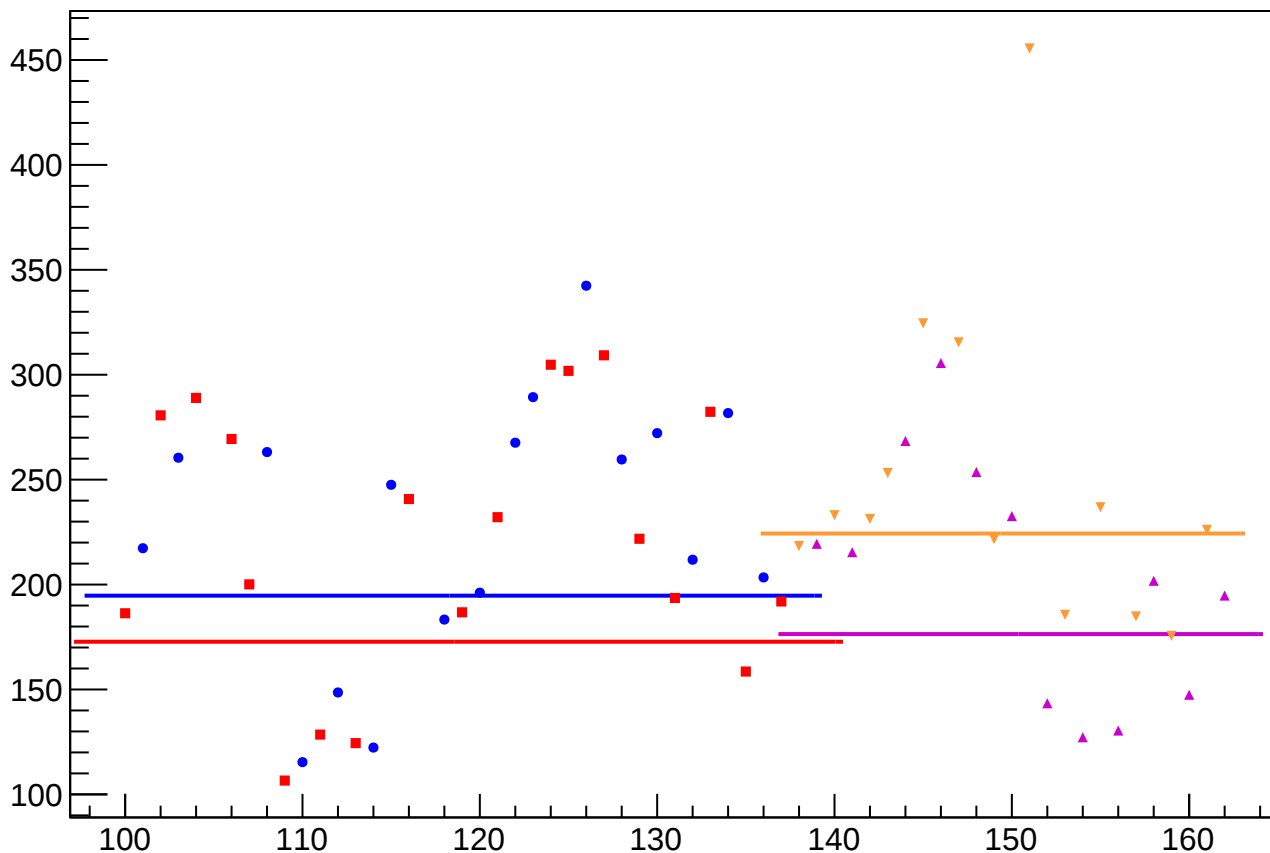
Left In: -57.123+/-60.638 χ^2/NDF : 5.1/11

+ sign 47.474+/-54.661 χ^2/NDF : 11.5/29

All: 3.151+/-35.169 χ^2/NDF : 23.9/60

- sign -28.158+/-45.941 χ^2/NDF : 11.3/30

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 224.331+/-0.053 χ^2/NDF : 938396.5/12

Right Out: 172.753+/-0.050 χ^2/NDF : 1596944.9/18

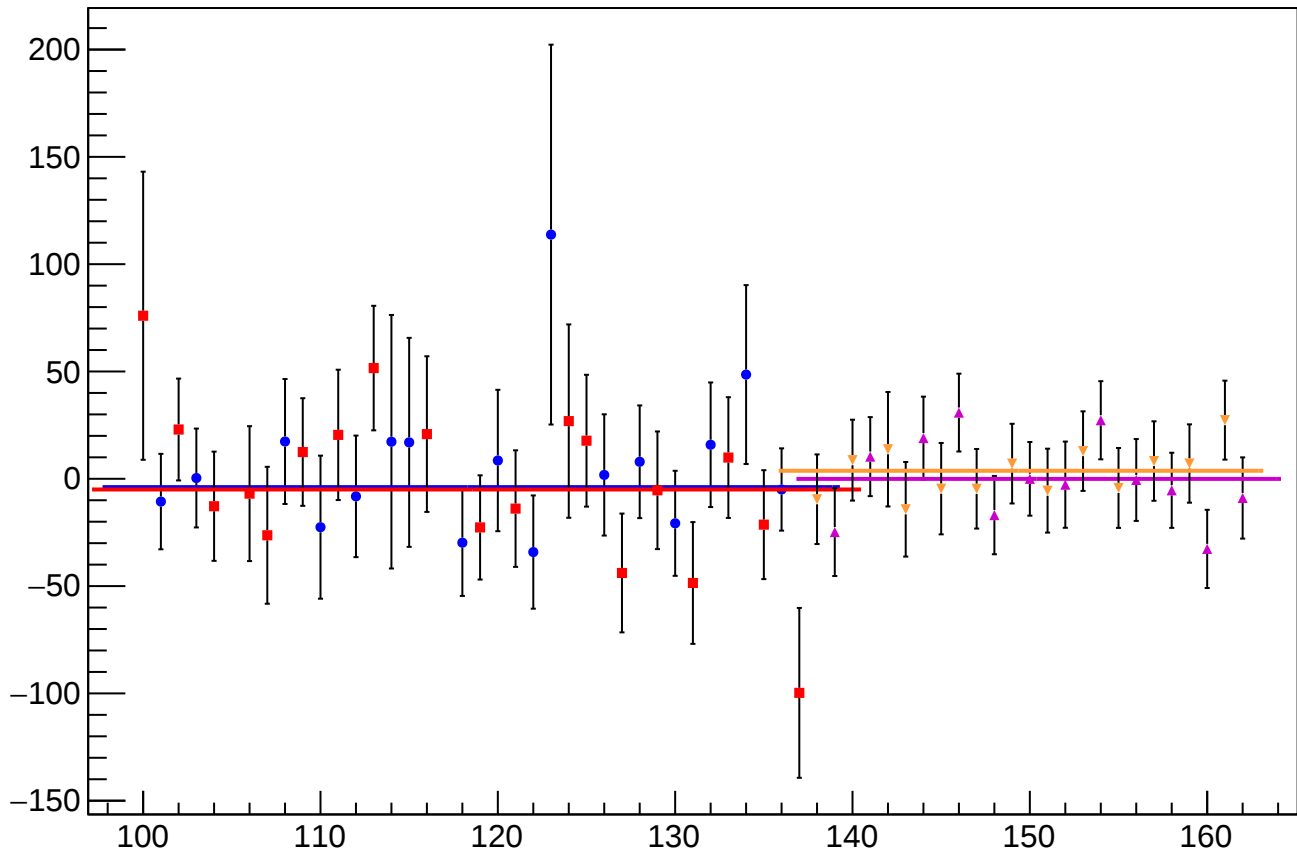
Left In: 176.404+/-0.043 χ^2/NDF : 1409545.5/11

+ sign 210.497+/-0.039 χ^2/NDF : 2104528.0/29

All: 189.606+/-0.025 χ^2/NDF : 5612631.7/60

- sign 174.849+/-0.032 χ^2/NDF : 3009578.5/30

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 3.736 ± 5.434 χ^2/NDF : 4.1/12

Right Out: -4.985 ± 6.727 χ^2/NDF : 21.3/18

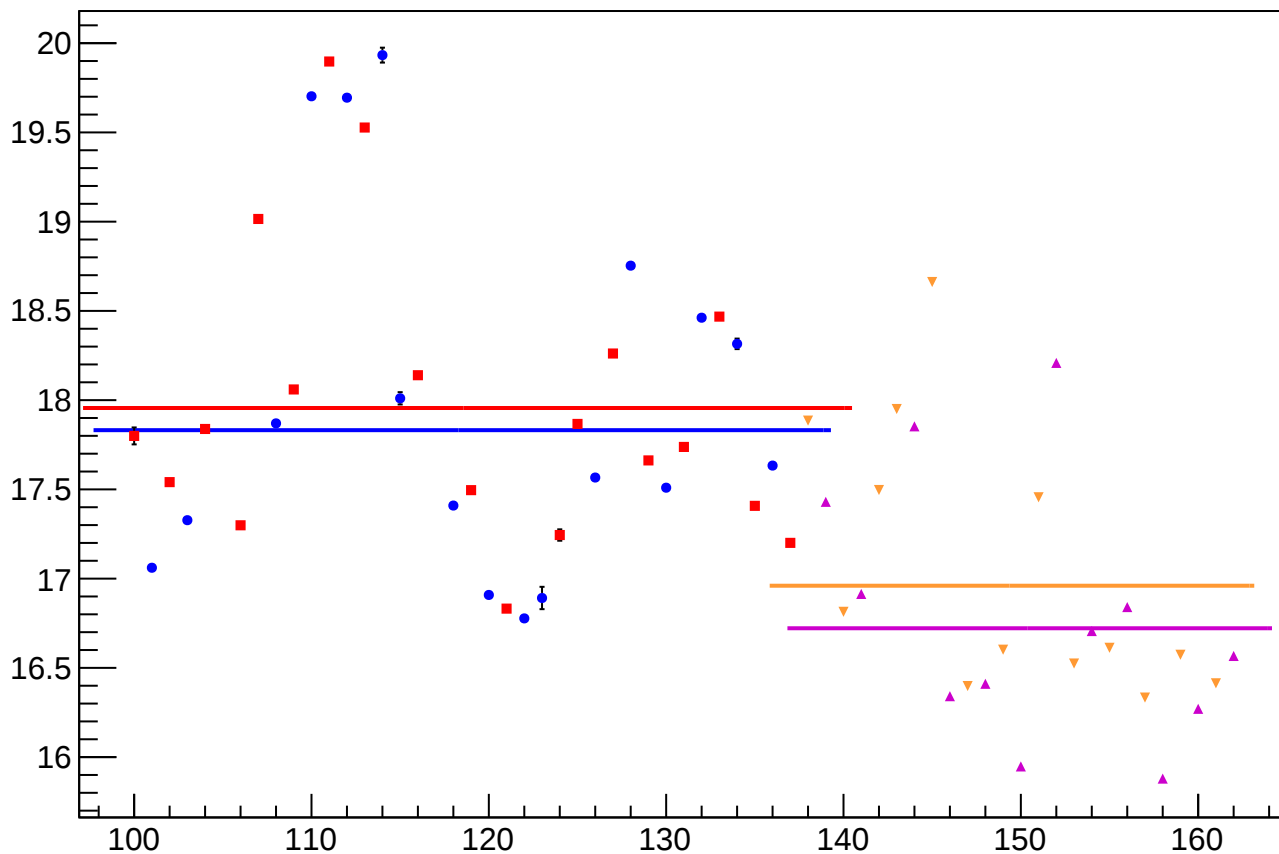
Left In: -0.051 ± 5.363 χ^2/NDF : 12.3/11

+ sign 0.823 ± 4.272 χ^2/NDF : 13.2/29

All: -0.599 ± 2.993 χ^2/NDF : 47.4/60

- sign -1.968 ± 4.193 χ^2/NDF : 34.0/30

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: 16.960 $\pm$ 0.004 χ^2 /NDF:32289.7/12

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

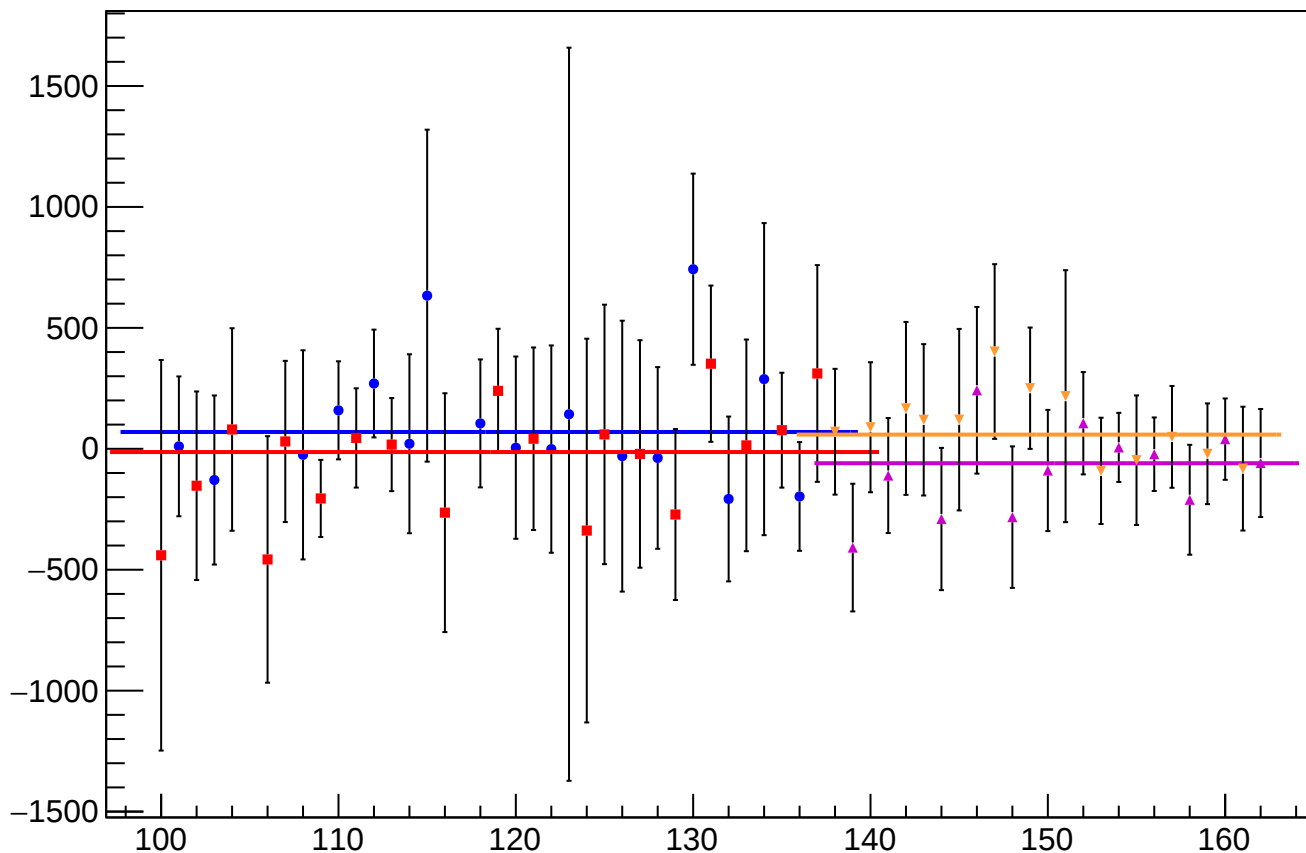
Left In: 16.722 $\pm$ 0.004 χ^2 /NDF:32050.4/11

+ sign 17.293 $\pm$ 0.003 χ^2 /NDF: 82792.2/29

All: 17.246 $\pm$ 0.002 χ^2 /NDF: 181913.5/60

- sign 17.201 $\pm$ 0.003 χ^2 /NDF: 98654.0/30

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 58.757 $\pm$ 75.261 χ^2 /NDF: 2.8/12

Right Out: -13.410 $\pm$ 71.041 χ^2 /NDF: 6.7/18

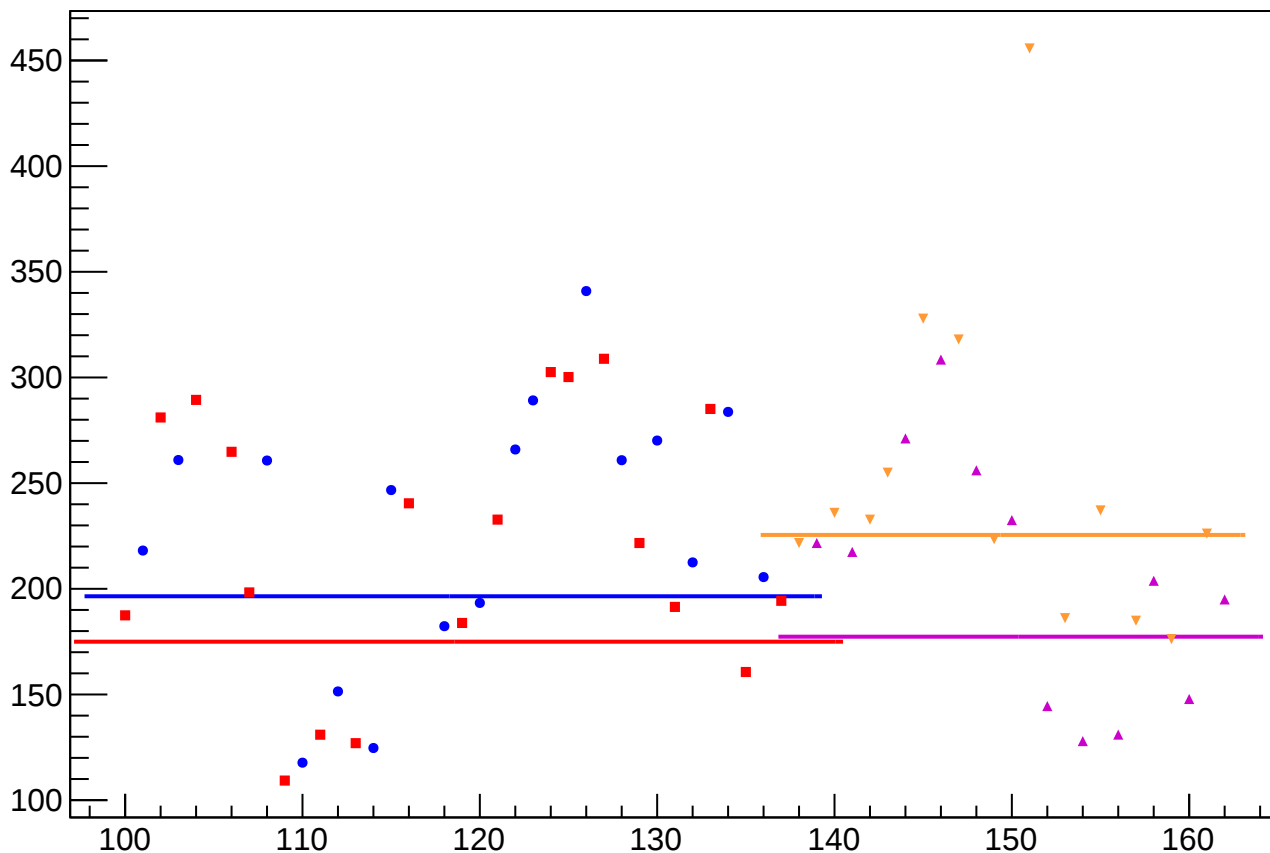
Left In: -59.634 $\pm$ 60.967 χ^2 /NDF: 5.4/11

+ sign 63.769 $\pm$ 54.992 χ^2 /NDF: 10.2/29

All: 2.990 $\pm$ 35.403 χ^2 /NDF: 24.7/60

- sign -40.029 $\pm$ 46.266 χ^2 /NDF: 12.4/30

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: 225.495 $\pm$ 0.053 χ^2 /NDF: 947134.0/12

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

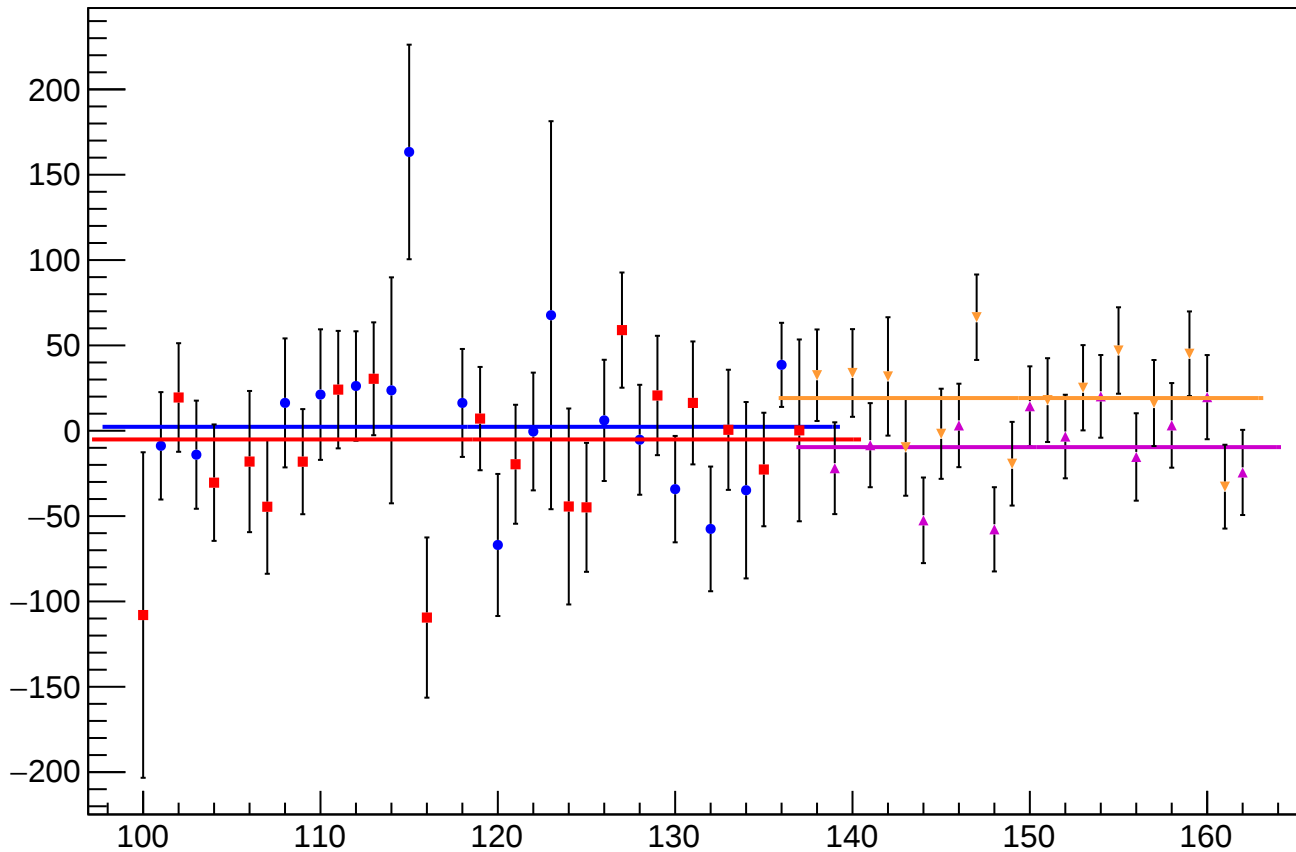
Left In: 177.347 $\pm$ 0.043 χ^2 /NDF: 1422566.4/11

+ sign 211.967 $\pm$ 0.039 χ^2 /NDF: 2050063.7/29

All: 191.108 $\pm$ 0.025 χ^2 /NDF: 5476430.7/60

- sign 176.344 $\pm$ 0.033 χ^2 /NDF: 2934946.5/30

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307+/-8.805 χ^2/NDF : 18.1/16

Left Out: 19.155+/-7.188 χ^2/NDF : 15.3/12

Right Out: -5.089+/-8.479 χ^2/NDF : 17.1/18

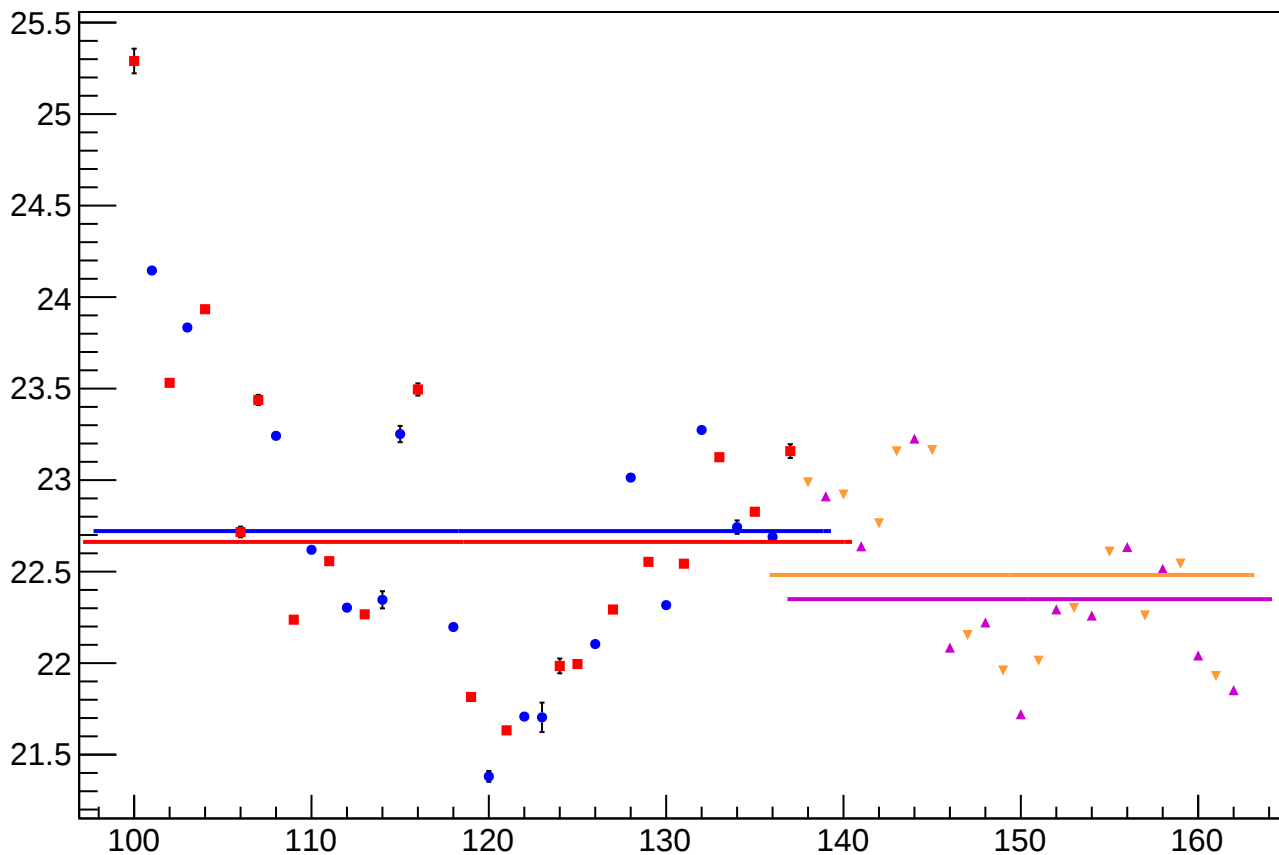
Left In: -9.589+/-7.153 χ^2/NDF : 11.9/11

+ sign 12.417+/-5.568 χ^2/NDF : 35.6/29

All: 2.165+/-3.901 χ^2/NDF : 71.4/60

- sign -7.718+/-5.467 χ^2/NDF : 29.2/30

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: 22.482 $\pm$ 0.005 χ^2 /NDF: 7206.1/12

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

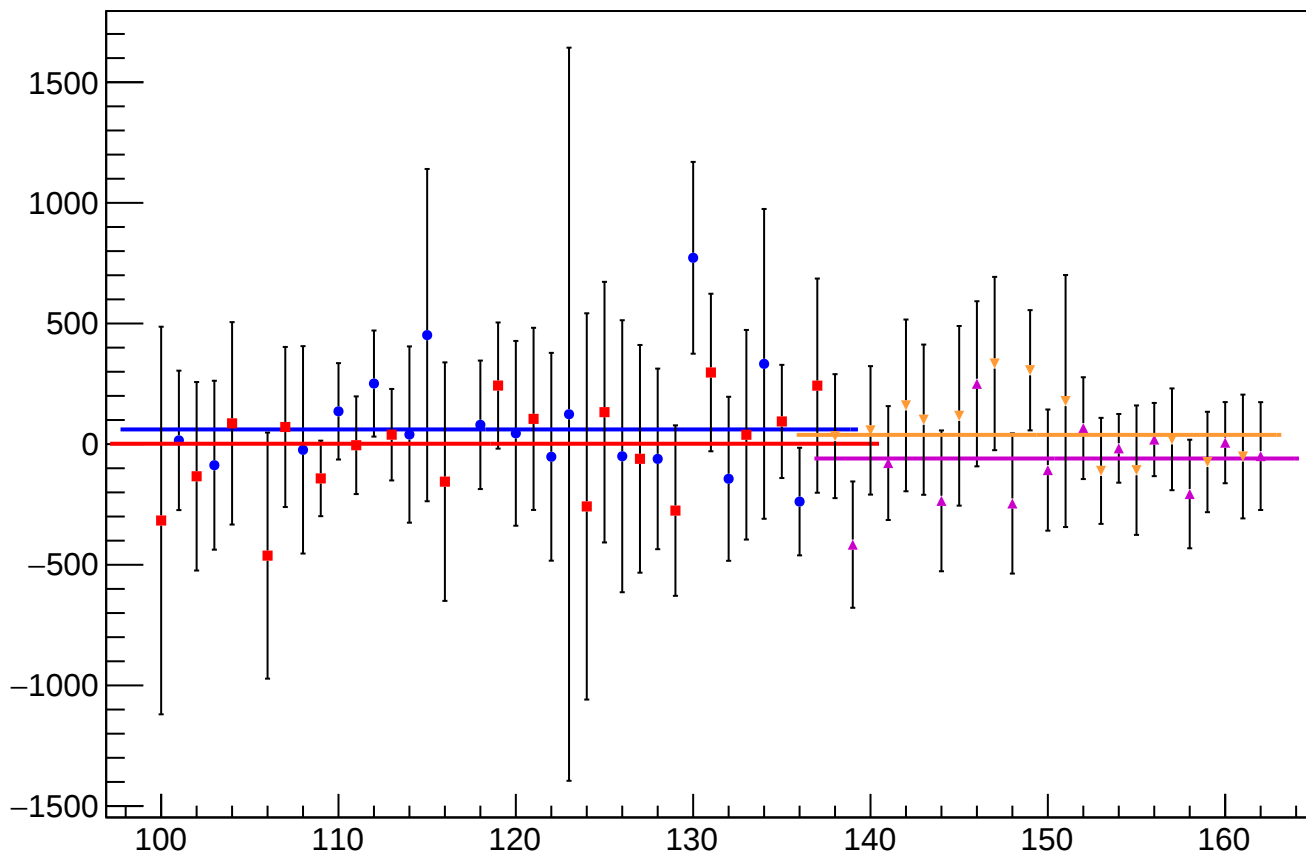
Left In: 22.350 $\pm$ 0.005 χ^2 /NDF: 6811.6/11

+ sign 22.578 $\pm$ 0.004 χ^2 /NDF: 21677.8/29

All: 22.528 $\pm$ 0.003 χ^2 /NDF: 43350.1/60

- sign 22.480 $\pm$ 0.004 χ^2 /NDF: 21357.6/30

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: 38.385 $\pm$ 75.036 χ^2 /NDF: 3.3/12

Right Out: 1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

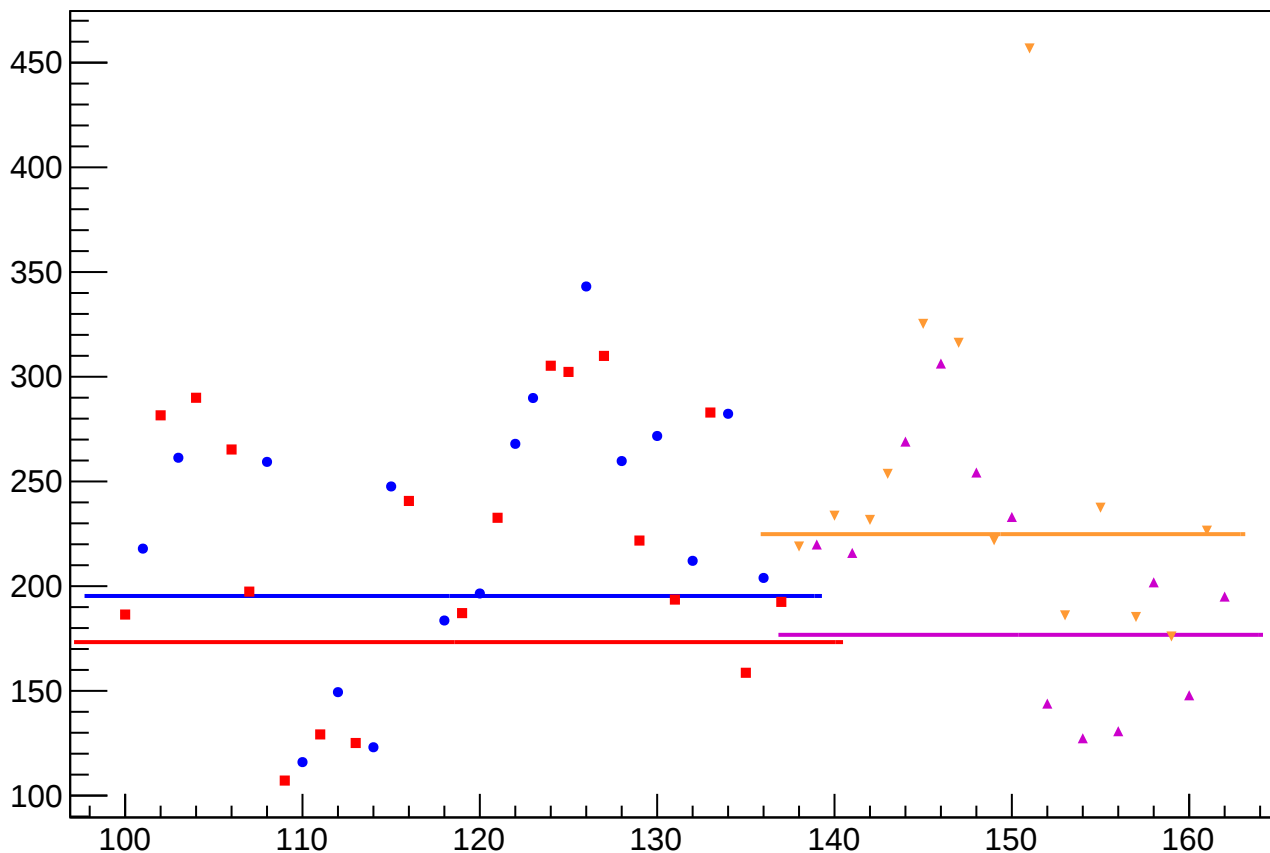
Left In: -59.515 $\pm$ 60.762 χ^2 /NDF: 4.8/11

+ sign 48.923 $\pm$ 54.792 χ^2 /NDF: 10.6/29

All: 0.630 $\pm$ 35.248 χ^2 /NDF: 22.3/60

- sign -33.467 $\pm$ 46.040 χ^2 /NDF: 10.4/30

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 224.845+/-0.053 χ^2/NDF : 938360.9/12

Right Out: 173.285+/-0.050 χ^2/NDF : 1578382.8/18

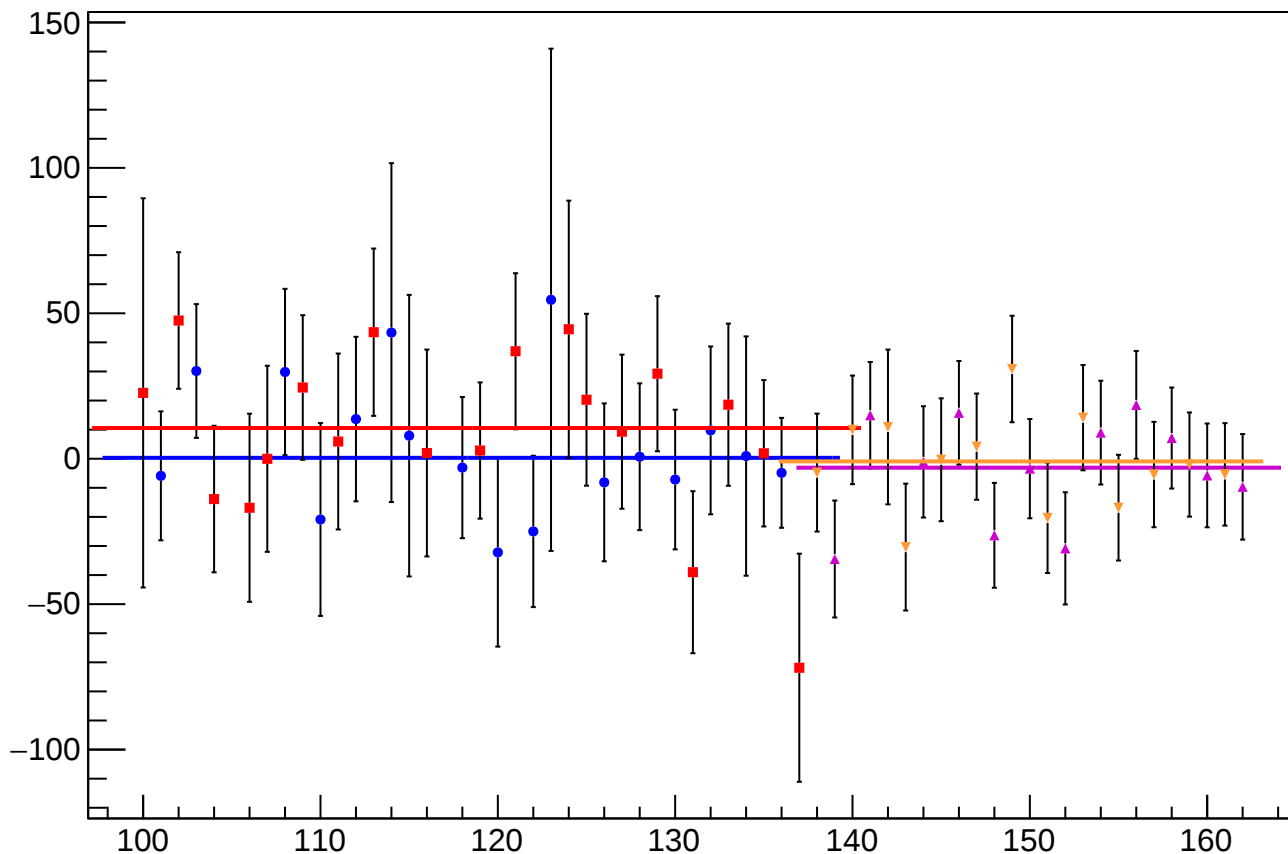
Left In: 176.765+/-0.043 χ^2/NDF : 1408949.4/11

+ sign 211.061+/-0.039 χ^2/NDF : 2087154.5/29

All: 190.090+/-0.025 χ^2/NDF : 5577123.3/60

- sign 175.283+/-0.033 χ^2/NDF : 2990125.9/30

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 $\pm$ 6.812 χ^2/NDF : 6.8/16

Left Out: -0.921 $\pm$ 5.323 χ^2/NDF : 8.1/12

Right Out: 10.553 $\pm$ 6.628 χ^2/NDF : 16.0/18

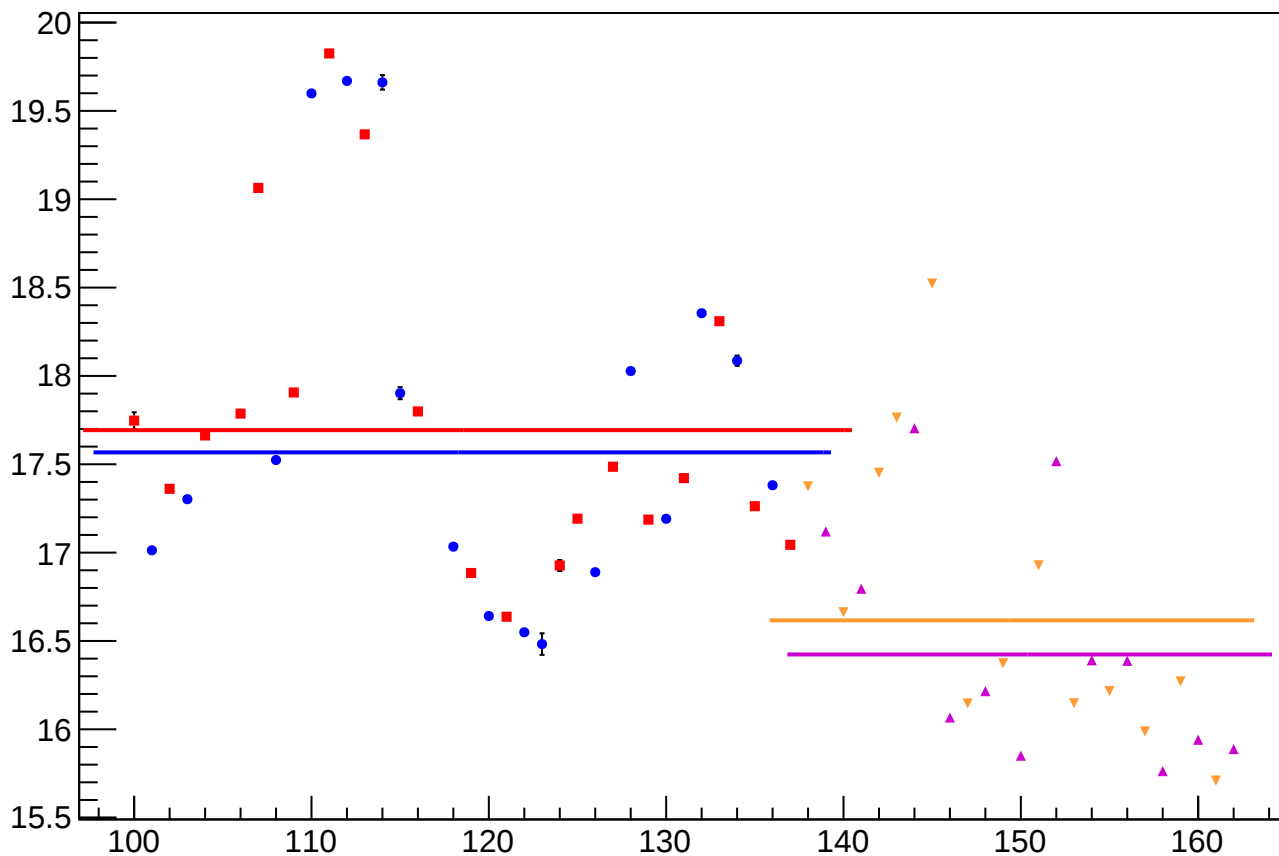
Left In: -3.082 $\pm$ 5.265 χ^2/NDF : 10.6/11

+ sign -0.456 $\pm$ 4.194 χ^2/NDF : 14.9/29

All: 0.891 $\pm$ 2.940 χ^2/NDF : 44.3/60

- sign 2.193 $\pm$ 4.122 χ^2/NDF : 29.2/30

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 ± 0.005 χ^2/NDF : 33145.0/16

Left Out: 16.617 ± 0.004 χ^2/NDF : 39584.2/12

Right Out: 17.693 ± 0.005 χ^2/NDF : 30767.1/18

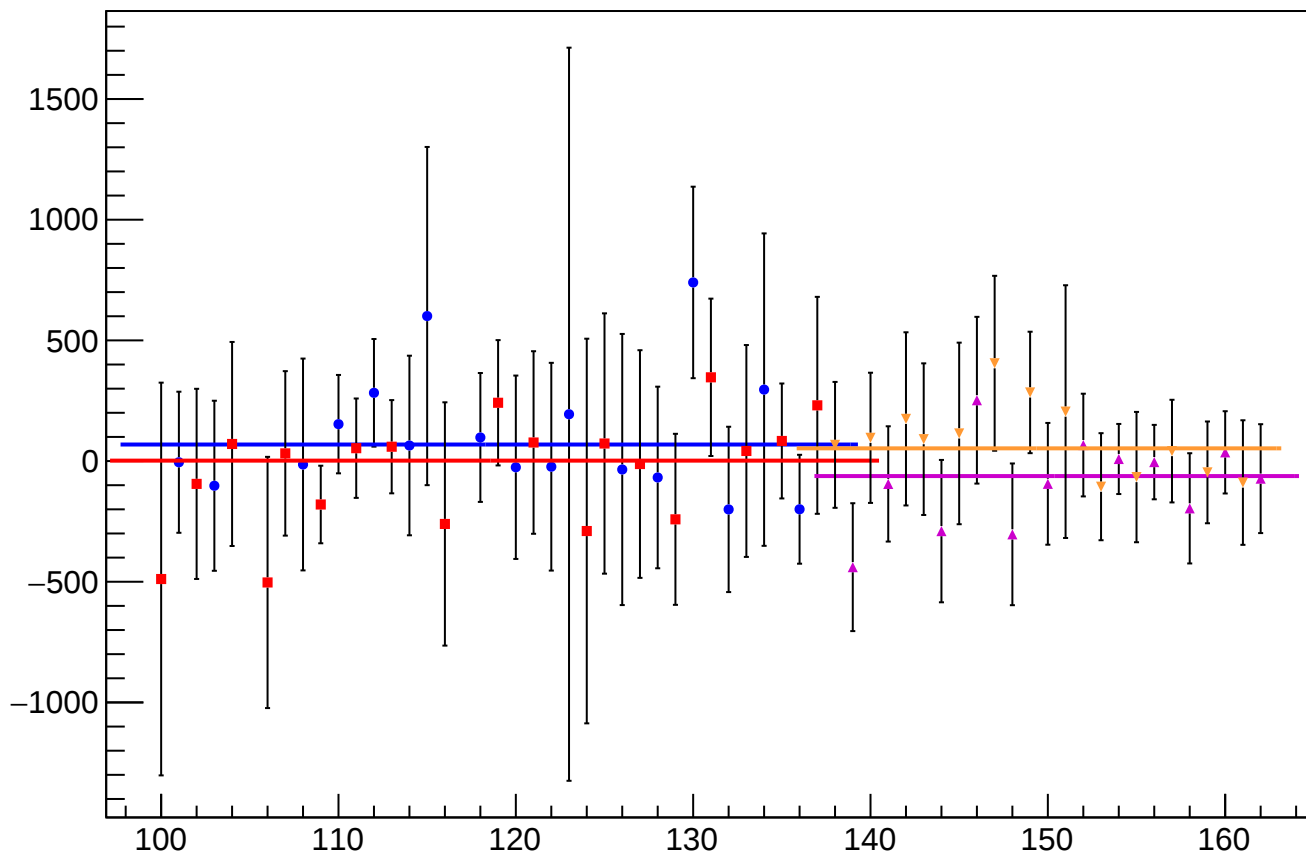
Left In: 16.424 ± 0.004 χ^2/NDF : 28042.2/11

+ sign 16.977 ± 0.003 χ^2/NDF : 96905.2/29

All: 16.945 ± 0.002 χ^2/NDF : 200930.6/60

- sign 16.915 ± 0.003 χ^2/NDF : 103800.3/30

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: 52.688 $\pm$ 75.772 χ^2 /NDF: 3.3/12

Right Out: 1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

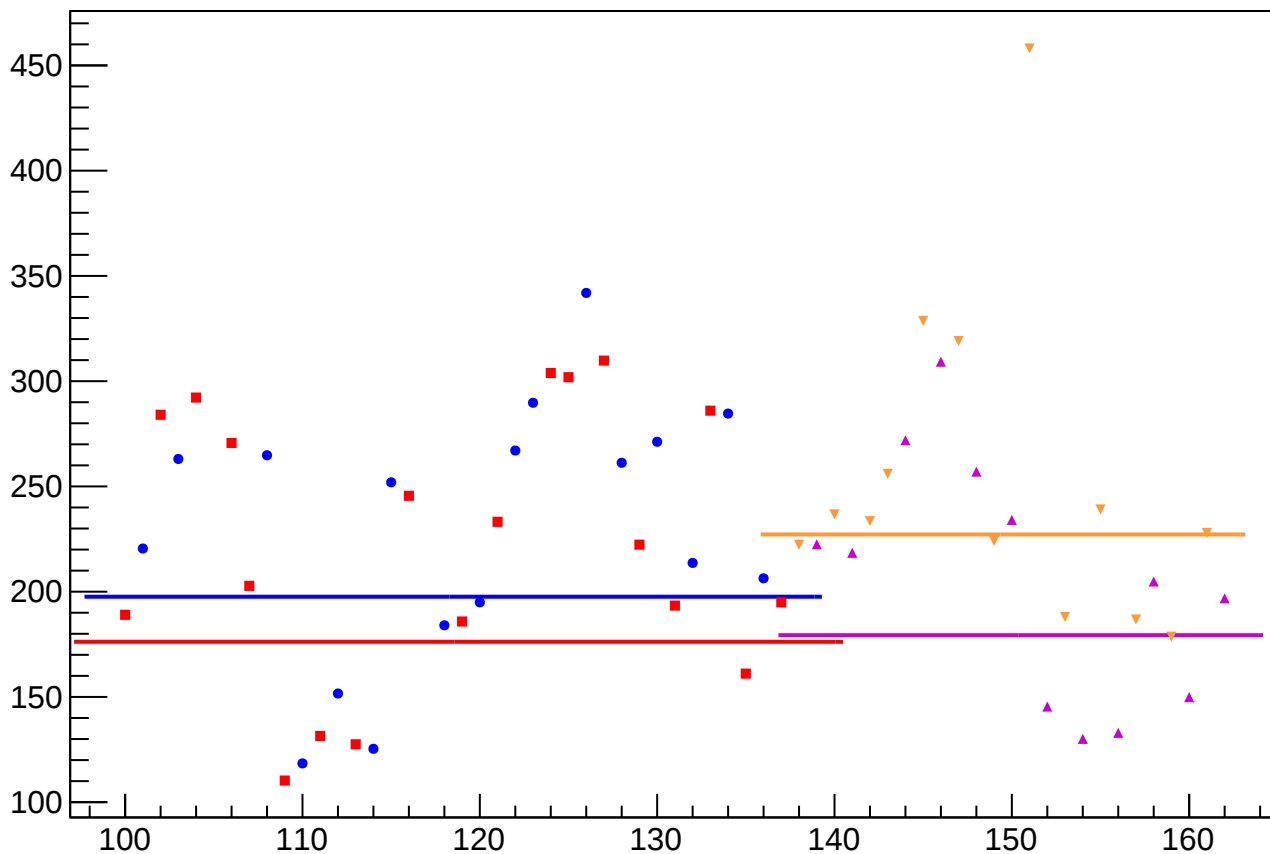
Left In: -62.165 $\pm$ 61.567 χ^2 /NDF: 5.6/11

+ sign 60.090 $\pm$ 55.341 χ^2 /NDF: 10.6/29

All: 4.554 $\pm$ 35.675 χ^2 /NDF: 24.5/60

- sign -34.935 $\pm$ 46.665 χ^2 /NDF: 12.2/30

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: 227.184 $\pm$ 0.054 χ^2 /NDF: 928696.1/12

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

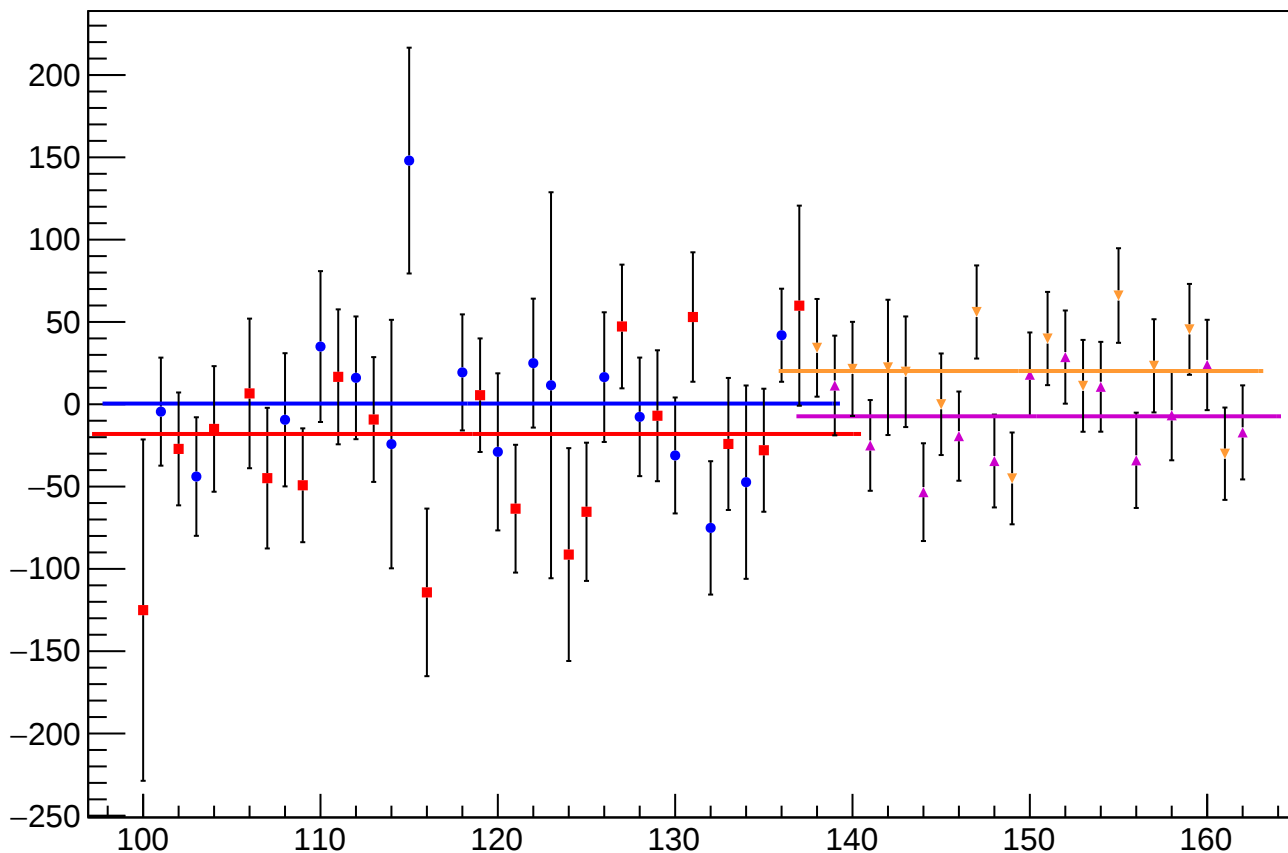
Left In: 179.340 $\pm$ 0.044 χ^2 /NDF: 1380159.4/11

+ sign 213.382 $\pm$ 0.039 χ^2 /NDF: 2039736.8/29

All: 192.706 $\pm$ 0.025 χ^2 /NDF: 5419626.0/60

- sign 178.005 $\pm$ 0.033 χ^2 /NDF: 2902204.2/30

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: 20.204 ± 8.166 χ^2/NDF : 14.9/12

Right Out: -18.044 ± 9.499 χ^2/NDF : 19.5/18

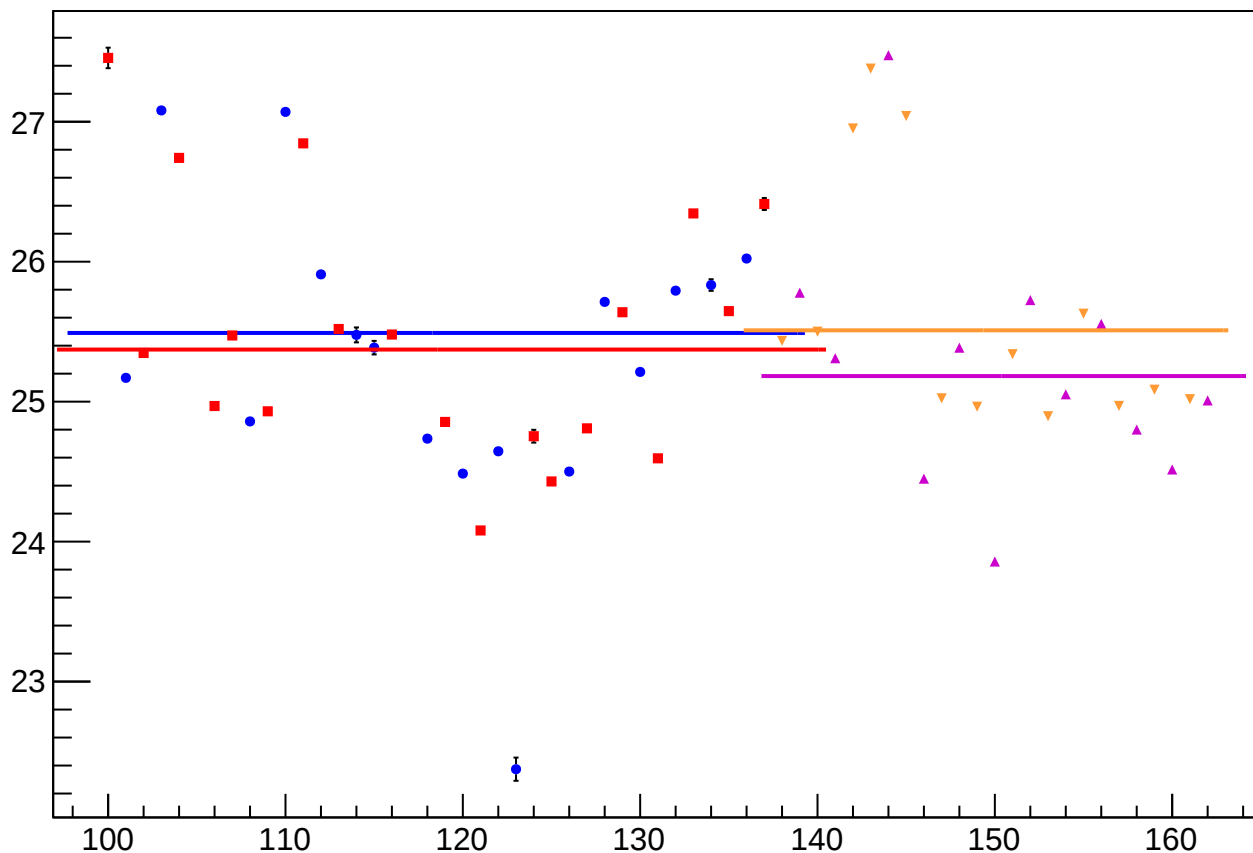
Left In: -7.309 ± 8.070 χ^2/NDF : 9.6/11

+ sign 12.182 ± 6.295 χ^2/NDF : 32.8/29

All: -0.093 ± 4.399 χ^2/NDF : 70.0/60

- sign -11.809 ± 6.150 χ^2/NDF : 29.8/30

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: 25.510 $\pm$ 0.006 χ^2 /NDF:17846.5/12

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

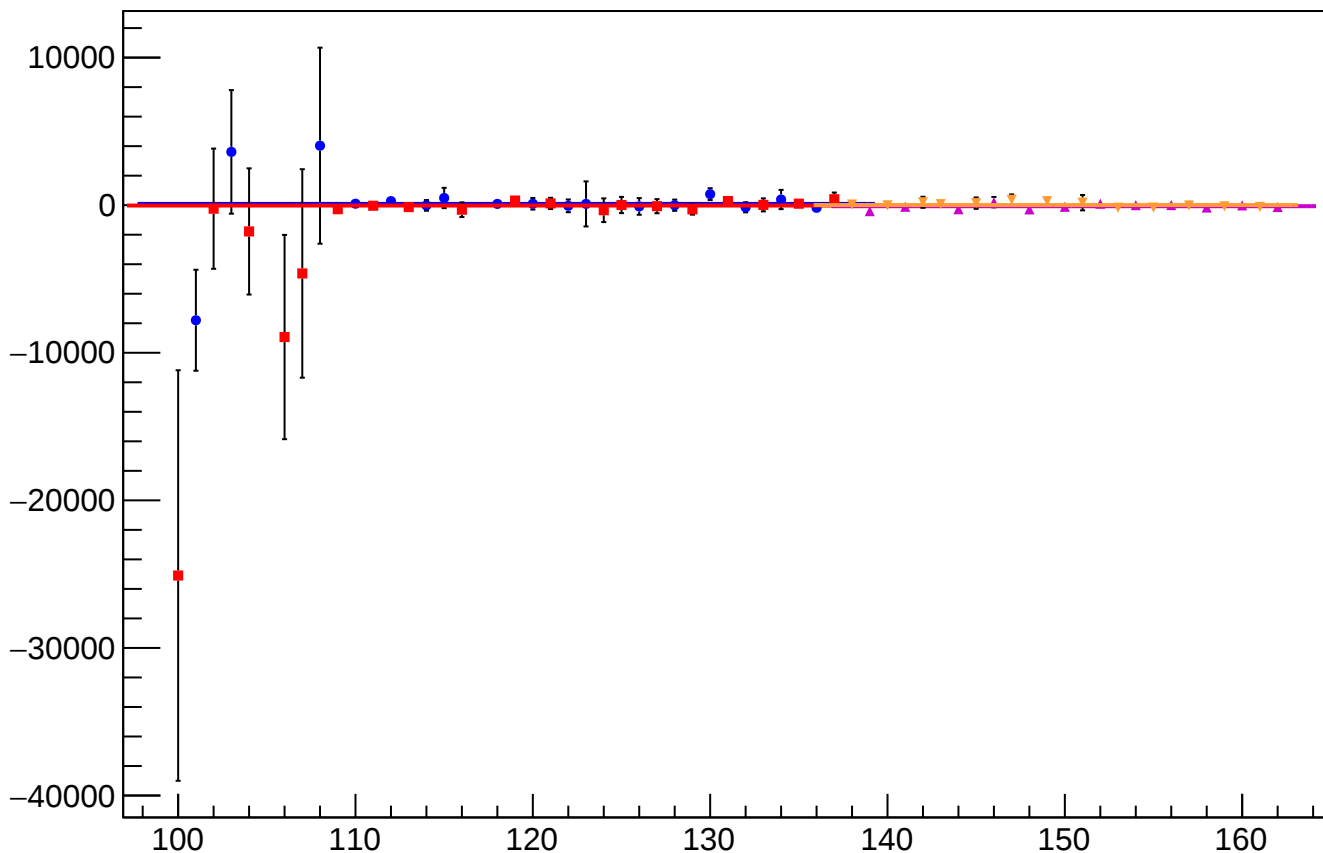
Left In: 25.183 $\pm$ 0.006 χ^2 /NDF:22396.6/11

+ sign 25.502 $\pm$ 0.004 χ^2 /NDF: 31563.8/29

All: 25.379 $\pm$ 0.003 χ^2 /NDF: 69458.0/60

- sign 25.262 $\pm$ 0.004 χ^2 /NDF: 36409.1/30

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: 9.062+/-77.178 χ^2/NDF : 3.9/12

Right Out: -23.352+/-80.948 χ^2/NDF : 11.9/18

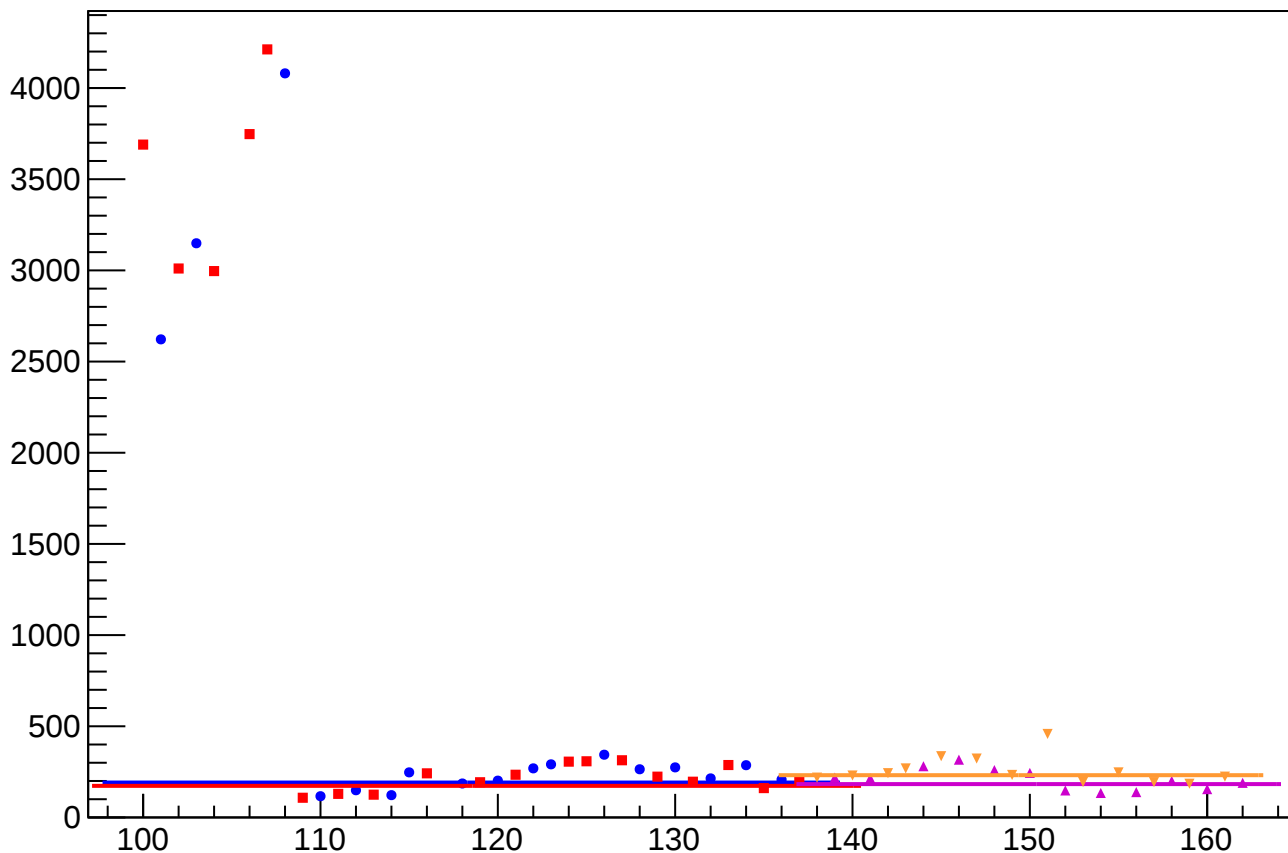
Left In: -68.897+/-62.599 χ^2/NDF : 4.7/11

+ sign 42.571+/-58.145 χ^2/NDF : 16.8/29

All: -12.157+/-37.700 χ^2/NDF : 35.1/60

- sign -51.853+/-49.520 χ^2/NDF : 16.8/30

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: 231.803+/-0.055 χ^2/NDF : 893368.8/12

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

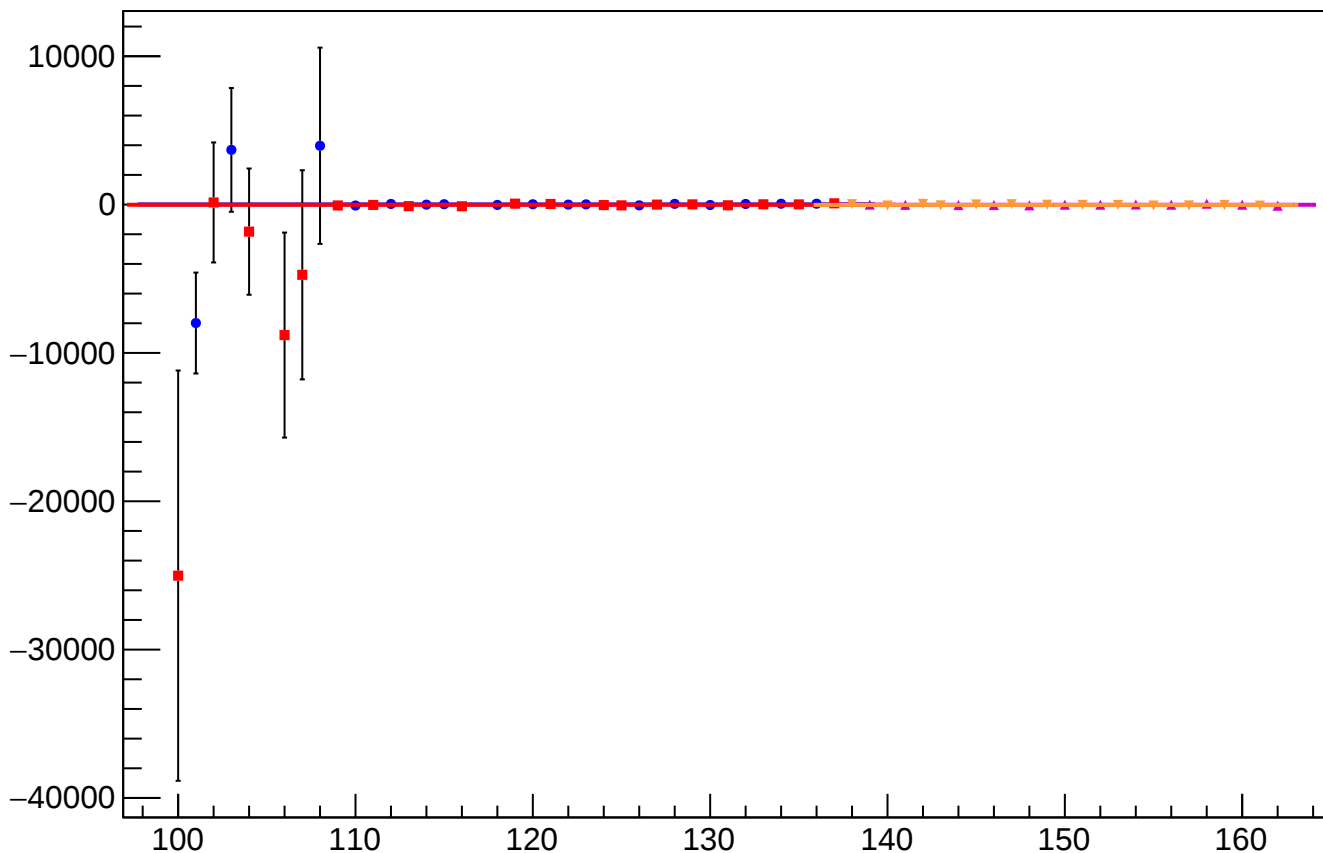
Left In: 182.944+/-0.044 χ^2/NDF : 1283693.7/11

+ sign 214.366+/-0.041 χ^2/NDF : 4702618.0/29

All: 194.062+/-0.027 χ^2/NDF : 10632309.3/60

- sign 179.334+/-0.035 χ^2/NDF : 5508891.0/30

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -24.079+/-9.522 χ^2/NDF : 14.3/12

Right Out: -12.668+/-12.232 χ^2/NDF : 24.8/18

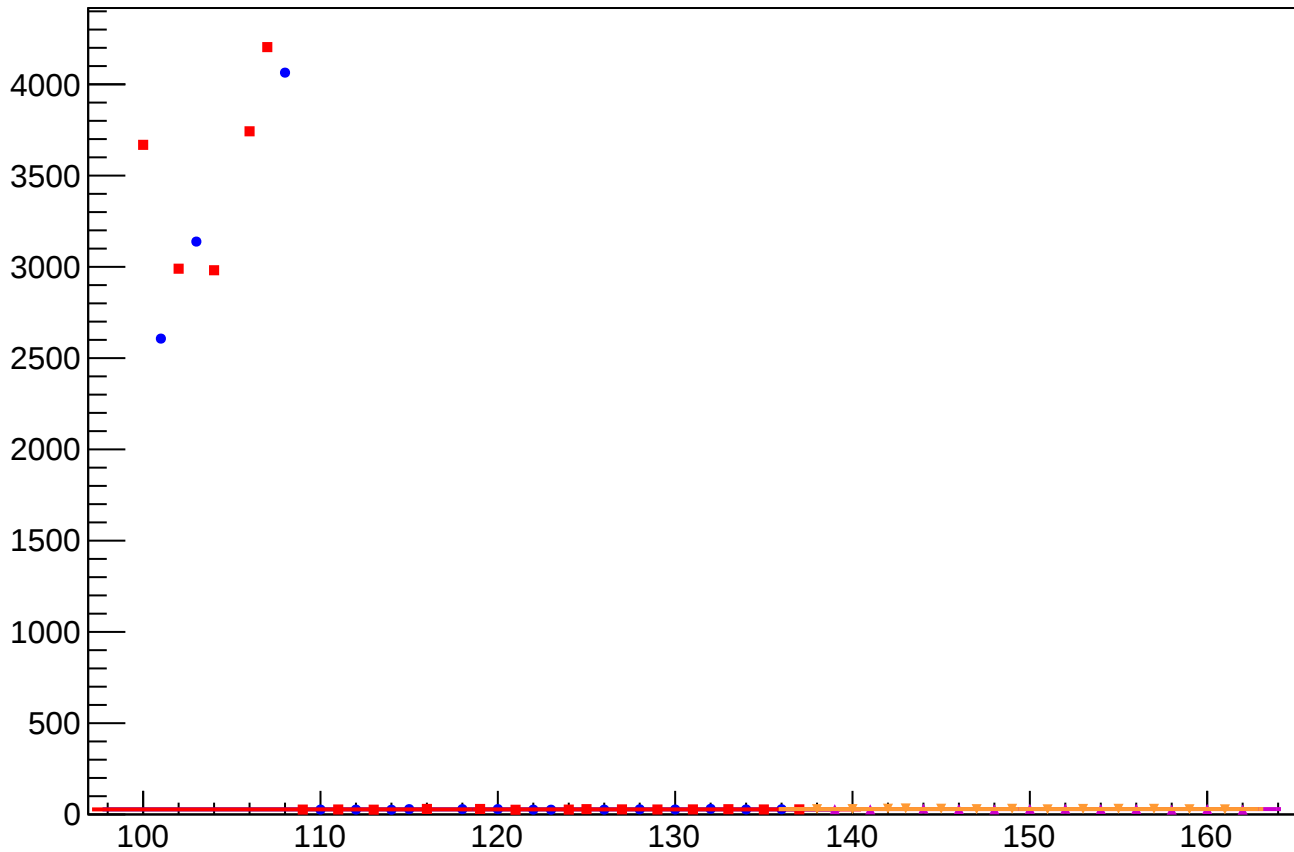
Left In: -13.647+/-9.449 χ^2/NDF : 13.7/11

+ sign -11.178+/-7.525 χ^2/NDF : 37.5/29

All: -12.237+/-5.304 χ^2/NDF : 76.1/60

- sign -13.281+/-7.478 χ^2/NDF : 38.5/30

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 29.700+/-0.007 χ^2/NDF : 44526.3/12

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

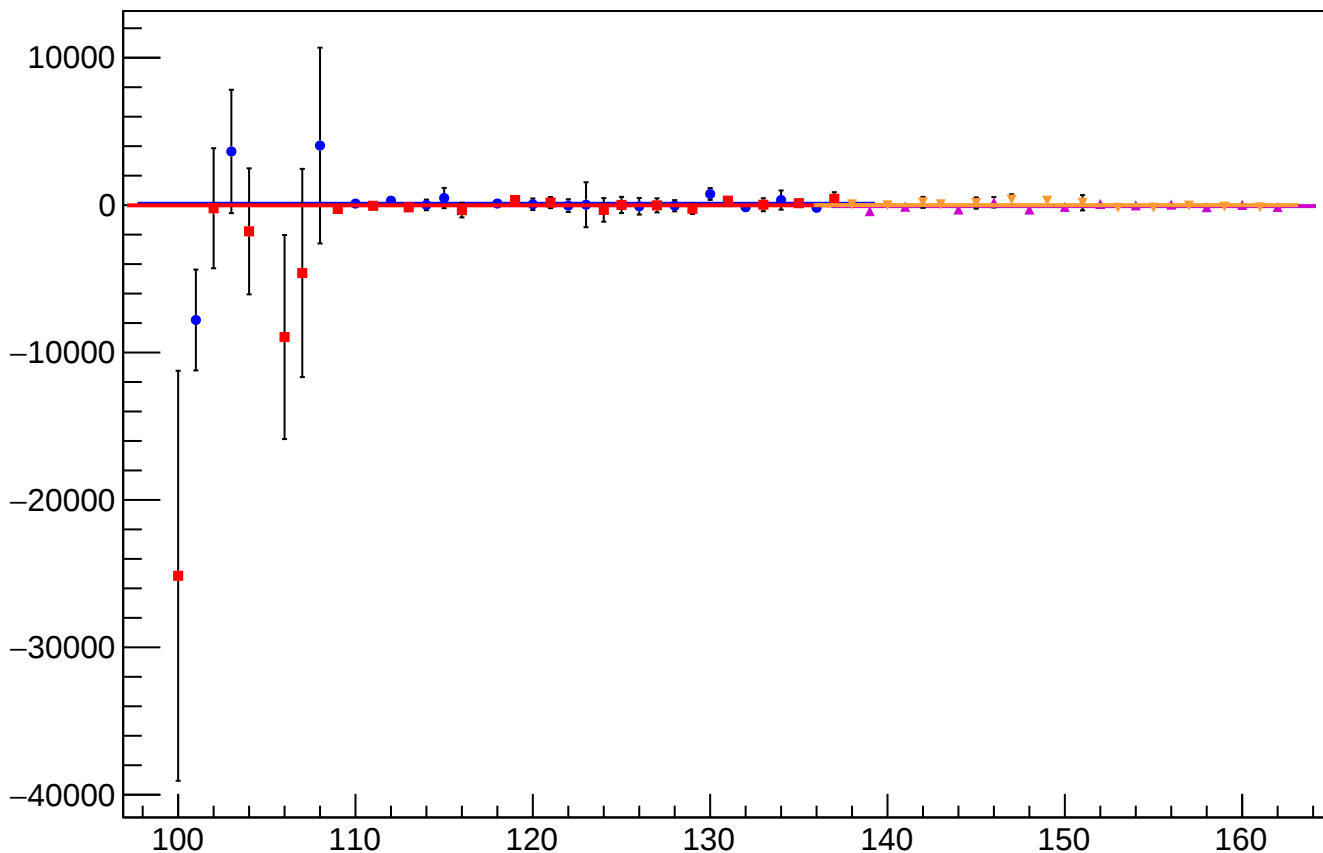
Left In: 29.405+/-0.007 χ^2/NDF : 78942.1/11

+ sign 29.007+/-0.005 χ^2/NDF : 3100394.6/29

All: 28.886+/-0.004 χ^2/NDF : 6681711.1/60

- sign 28.766+/-0.005 χ^2/NDF : 3580280.1/30

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: 1.060+/-77.006 χ^2/NDF : 4.5/12

Right Out: -13.341+/-80.686 χ^2/NDF : 12.7/18

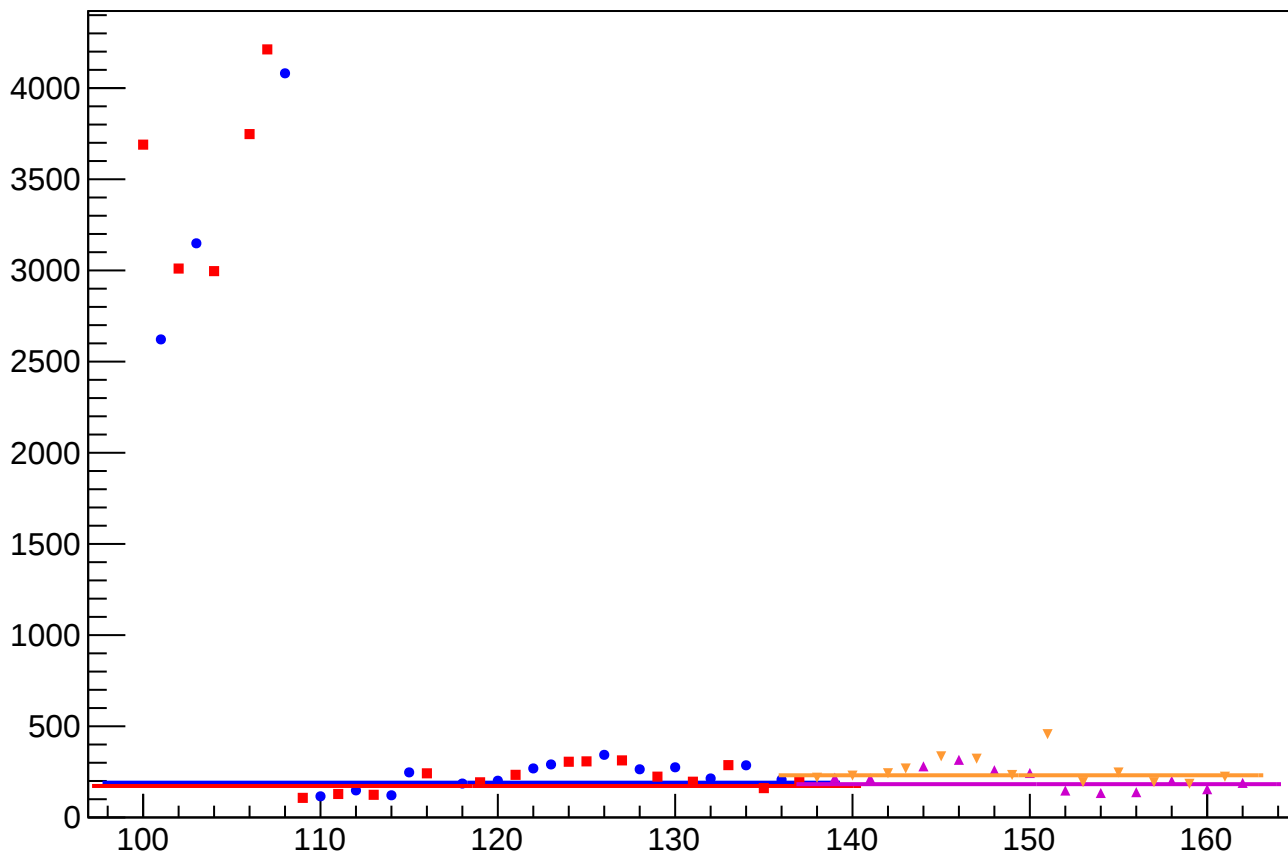
Left In: -66.718+/-62.477 χ^2/NDF : 4.9/11

+ sign 39.892+/-57.994 χ^2/NDF : 17.9/29

All: -10.296+/-37.606 χ^2/NDF : 37.0/60

- sign -46.710+/-49.399 χ^2/NDF : 17.9/30

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 231.290+/-0.054 χ^2/NDF : 893371.0/12

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

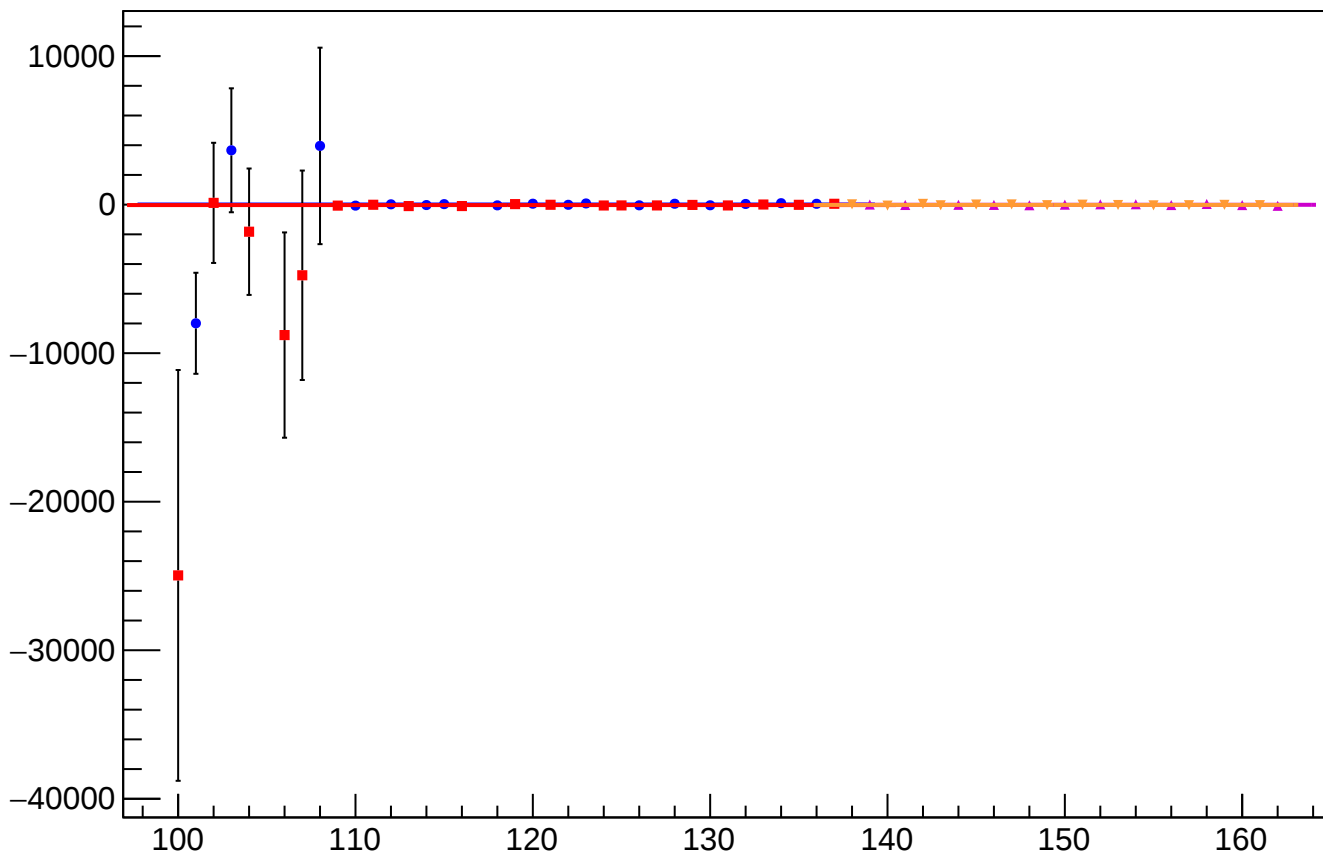
Left In: 182.588+/-0.044 χ^2/NDF : 1283935.3/11

+ sign 213.751+/-0.041 χ^2/NDF : 4718100.0/29

All: 193.528+/-0.027 χ^2/NDF : 10659365.0/60

- sign 178.855+/-0.035 χ^2/NDF : 5521606.9/30

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: -18.732 $\pm$ 9.601 χ^2 /NDF: 9.1/12

Right Out: -29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

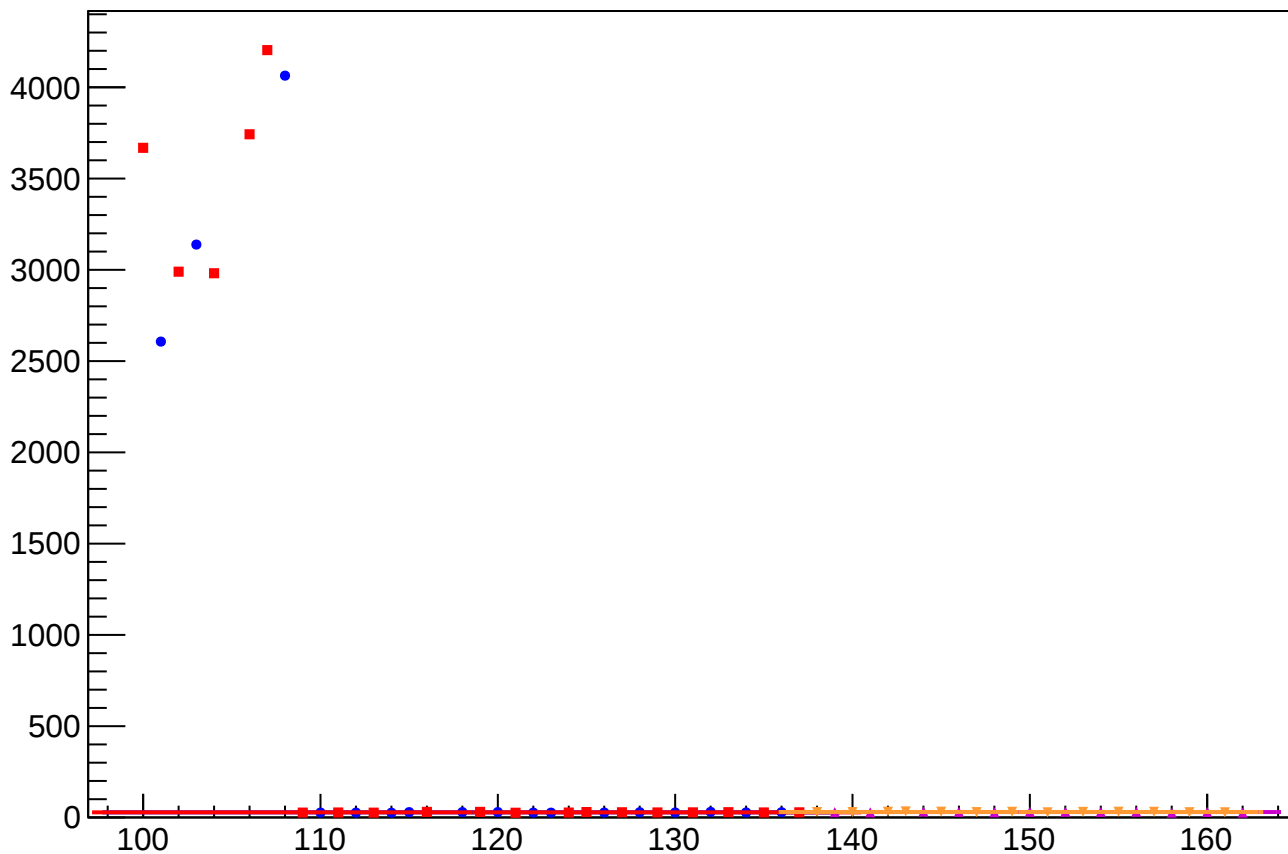
Left In: -10.995 $\pm$ 9.510 χ^2 /NDF: 12.6/11

+ sign -8.454 $\pm$ 7.584 χ^2 /NDF: 35.3/29

All: -13.188 $\pm$ 5.344 χ^2 /NDF: 66.9/60

- sign -17.856 $\pm$ 7.531 χ^2 /NDF: 30.8/30

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 29.945+/-0.007 χ^2/NDF : 45411.3/12

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

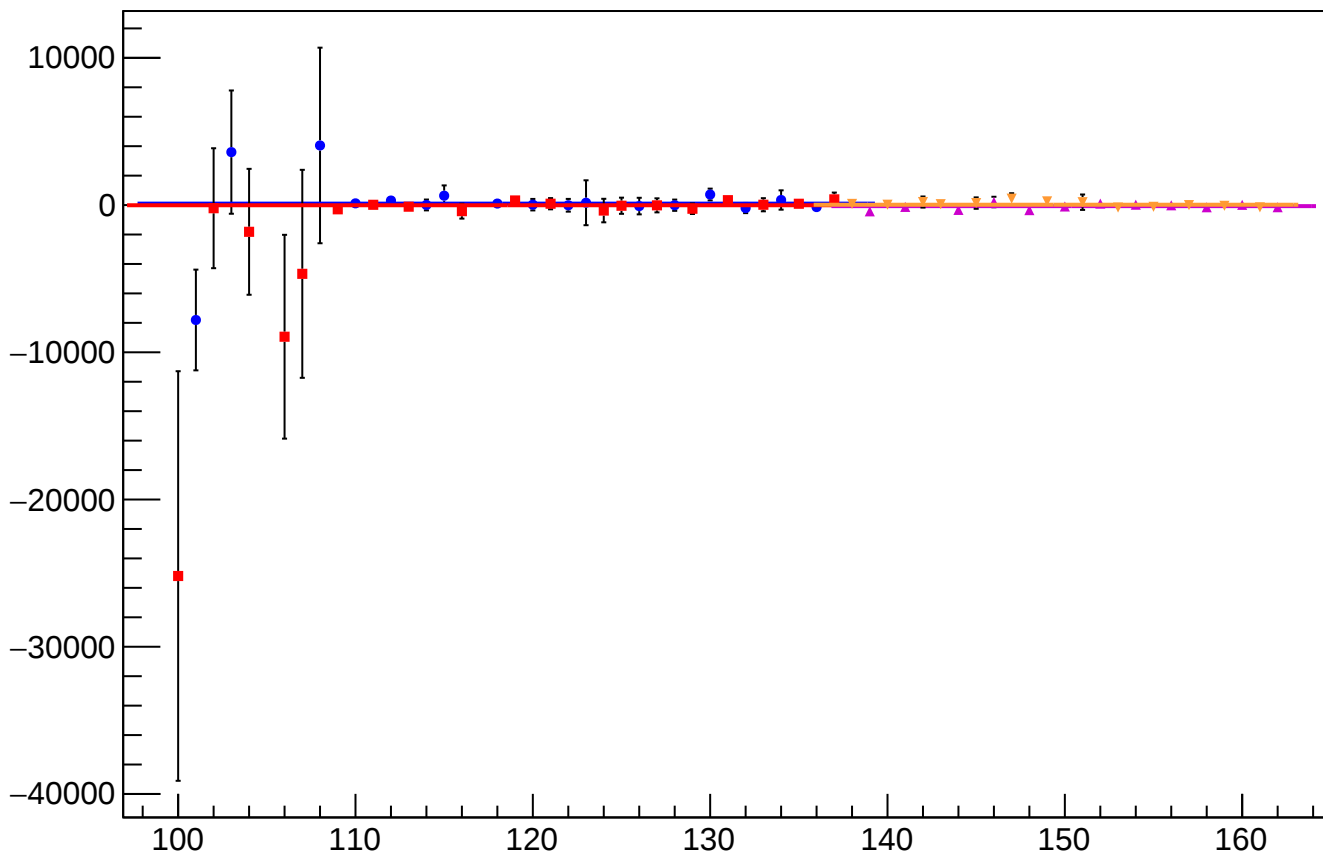
Left In: 29.599+/-0.007 χ^2/NDF : 79055.9/11

+ sign 29.230+/-0.005 χ^2/NDF : 3102792.6/29

All: 29.100+/-0.004 χ^2/NDF : 6686002.1/60

- sign 28.972+/-0.005 χ^2/NDF : 3582044.3/30

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: 23.057 $\pm$ 77.914 χ^2 /NDF: 4.0/12

Right Out: -11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

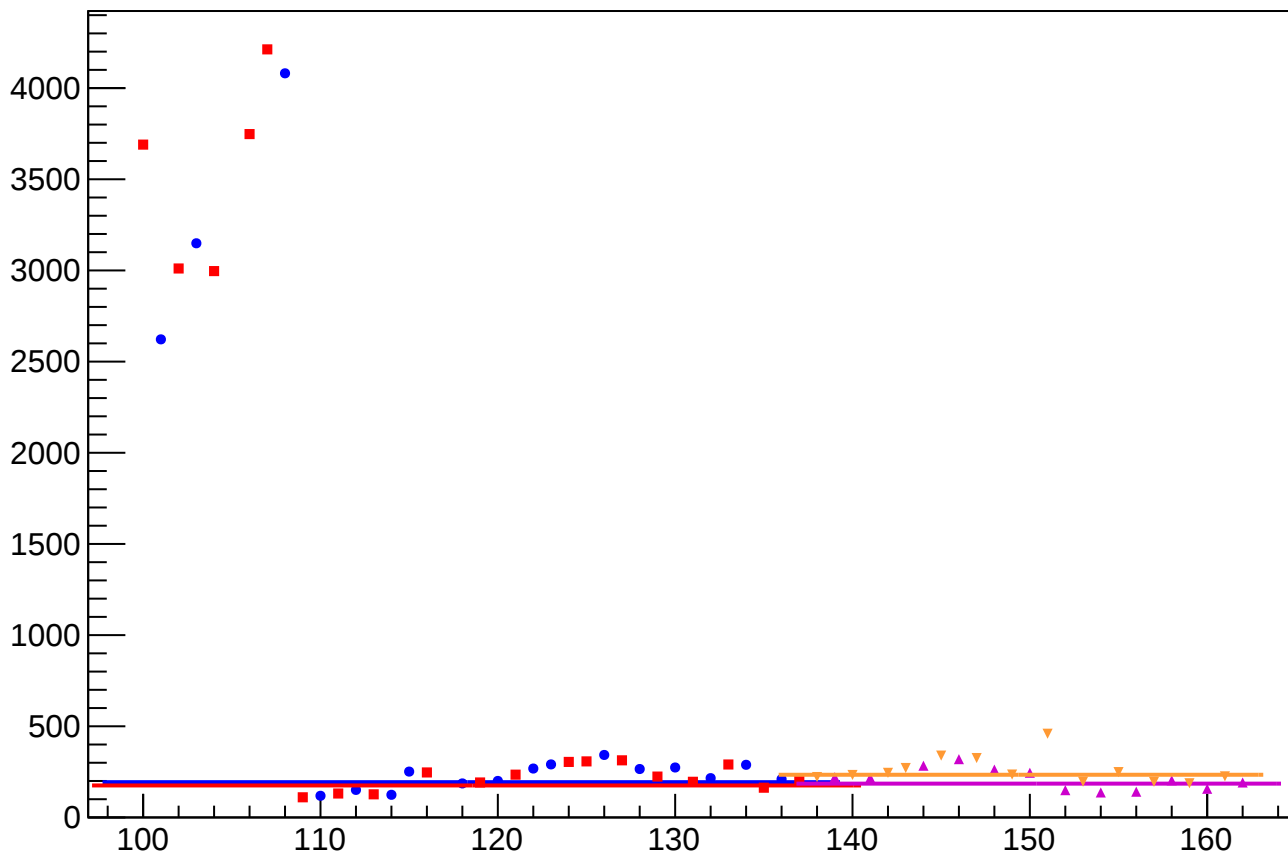
Left In: -71.837 $\pm$ 63.398 χ^2 /NDF: 5.6/11

+ sign 55.550 $\pm$ 58.681 χ^2 /NDF: 17.0/29

All: -5.074 $\pm$ 38.104 χ^2 /NDF: 37.1/60

- sign -49.270 $\pm$ 50.103 χ^2 /NDF: 18.3/30

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 234.144+/-0.055 χ^2/NDF : 883873.7/12

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

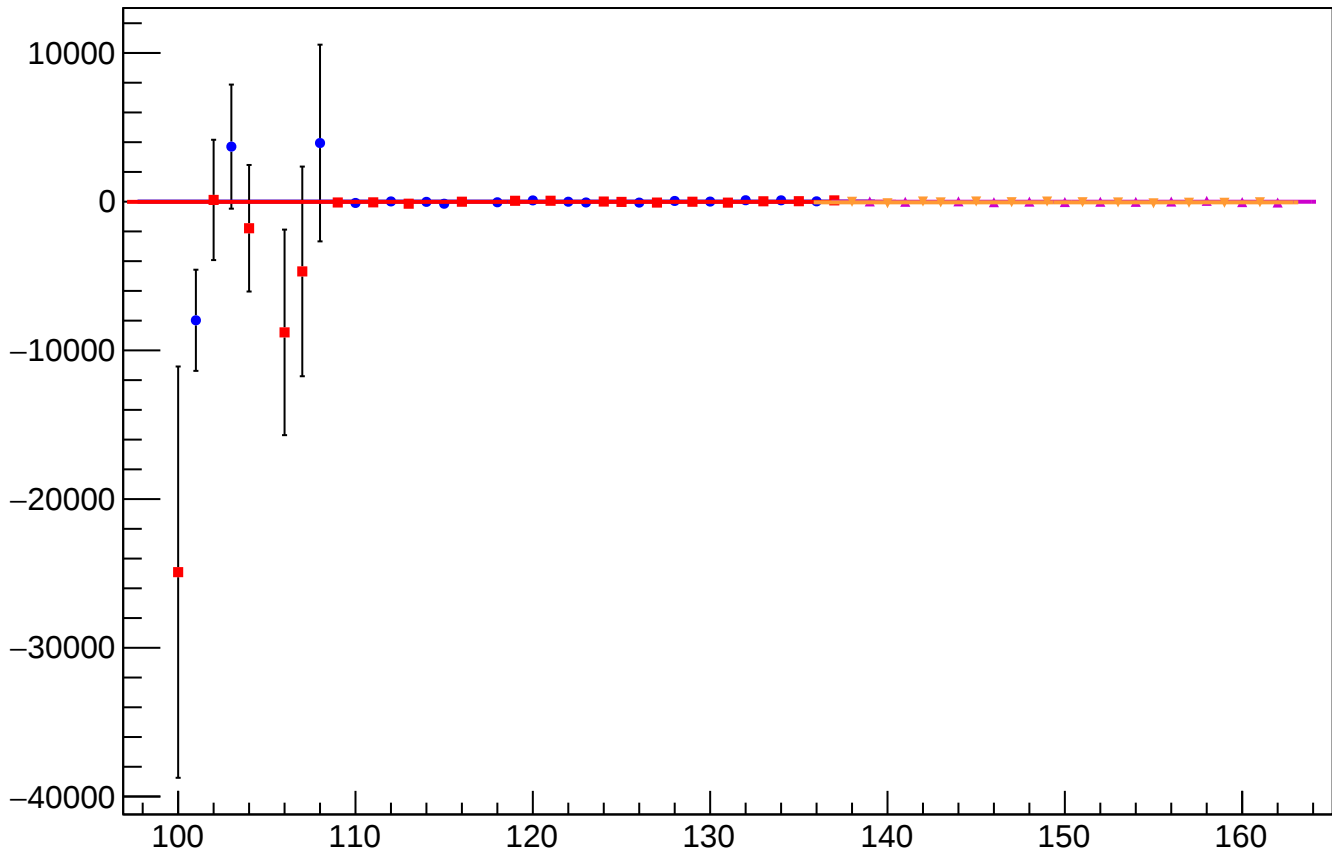
Left In: 185.496+/-0.045 χ^2/NDF : 1258311.1/11

+ sign 216.562+/-0.041 χ^2/NDF : 4656154.2/29

All: 196.426+/-0.027 χ^2/NDF : 10505838.0/60

- sign 181.747+/-0.035 χ^2/NDF : 5442518.8/30

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565 ± 15.052 χ^2/NDF : 20.4/16

Left Out: -45.311 ± 11.280 χ^2/NDF : 11.7/12

Right Out: -12.158 ± 14.952 χ^2/NDF : 21.9/18

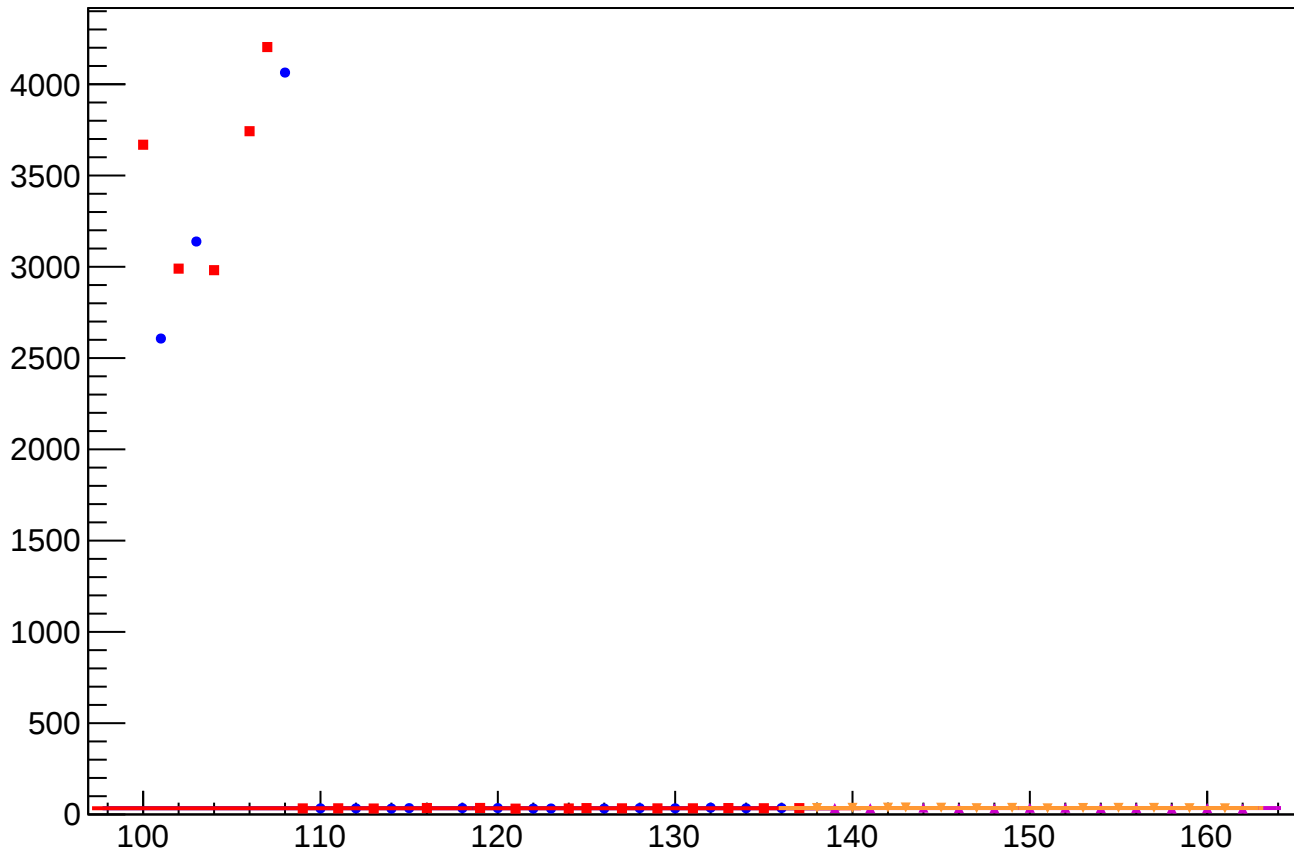
Left In: -3.809 ± 11.241 χ^2/NDF : 6.9/11

+ sign -27.014 ± 9.026 χ^2/NDF : 39.5/29

All: -16.872 ± 6.368 χ^2/NDF : 71.0/60

- sign -6.824 ± 8.985 χ^2/NDF : 29.1/30

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: 35.229 $\pm$ 0.008 χ^2 /NDF: 26927.3/12

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

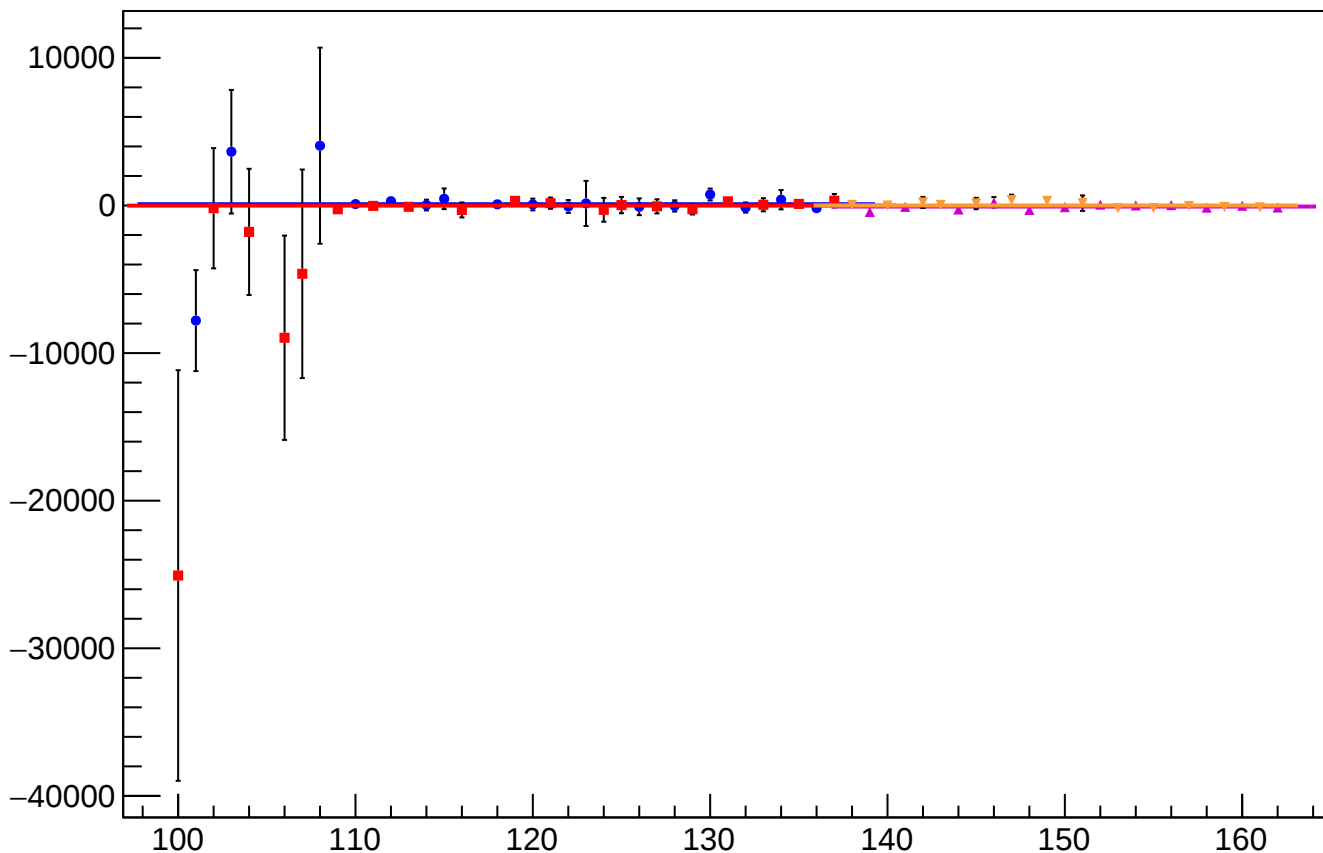
Left In: 35.056 $\pm$ 0.008 χ^2 /NDF: 35878.2/11

+ sign 34.847 $\pm$ 0.006 χ^2 /NDF: 3039804.7/29

All: 34.745 $\pm$ 0.005 χ^2 /NDF: 6535575.4/60

- sign 34.643 $\pm$ 0.006 χ^2 /NDF: 3495257.3/30

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: 3.332+/-77.684 χ^2/NDF : 4.4/12

Right Out: -8.565+/-81.257 χ^2/NDF : 11.1/18

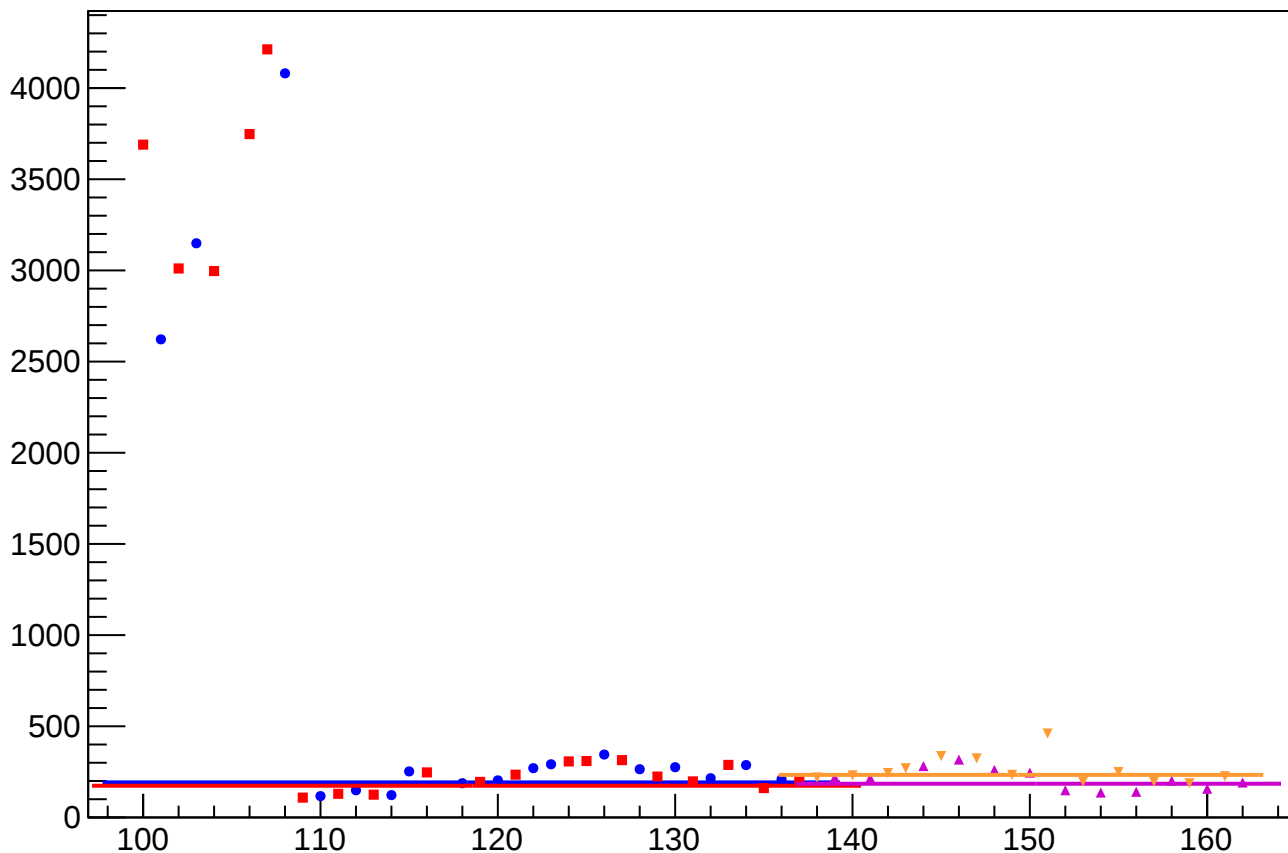
Left In: -71.774+/-63.199 χ^2/NDF : 4.9/11

+ sign 38.547+/-58.453 χ^2/NDF : 17.4/29

All: -11.499+/-37.946 χ^2/NDF : 35.1/60

- sign -47.950+/-49.886 χ^2/NDF : 16.4/30

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: 233.471+/-0.055 χ^2/NDF : 877026.6/12

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

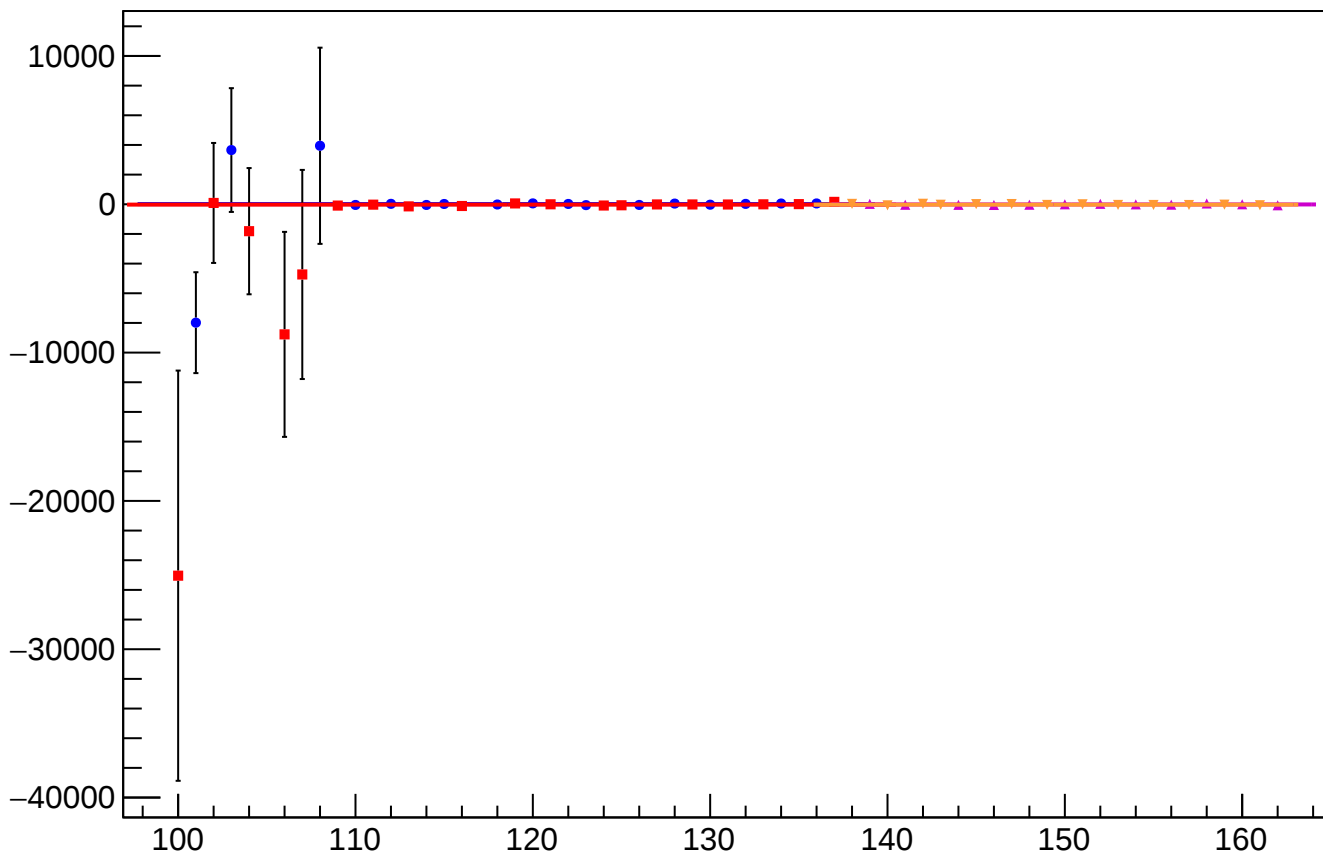
Left In: 184.939+/-0.045 χ^2/NDF : 1243687.6/11

+ sign 215.556+/-0.041 χ^2/NDF : 4696804.9/29

All: 195.448+/-0.027 χ^2/NDF : 10583949.6/60

- sign 180.801+/-0.035 χ^2/NDF : 5478051.4/30

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -25.169+/-10.254 χ^2/NDF : 10.3/12

Right Out: -22.618+/-13.660 χ^2/NDF : 28.0/18

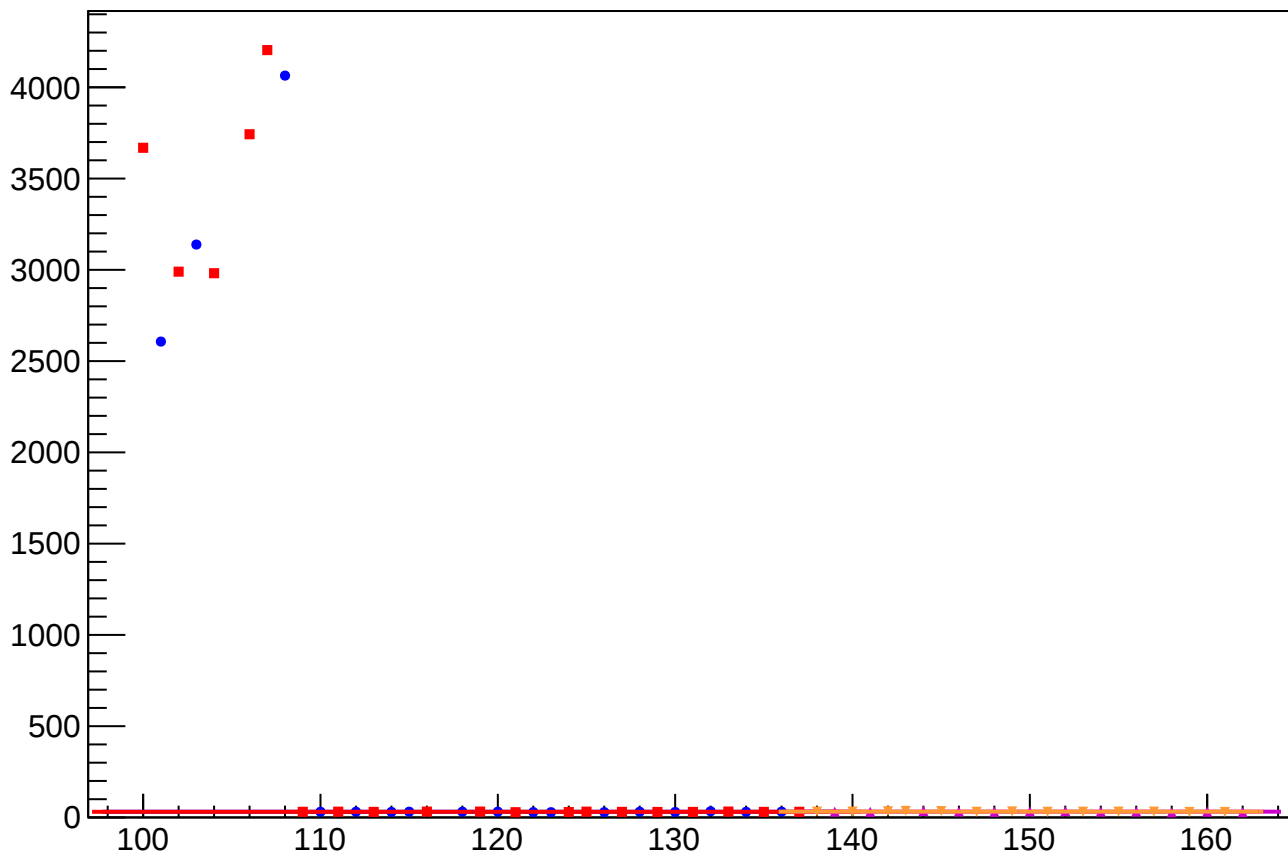
Left In: -10.800+/-10.188 χ^2/NDF : 11.9/11

+ sign -11.583+/-8.215 χ^2/NDF : 29.8/29

All: -13.314+/-5.792 χ^2/NDF : 70.3/60

- sign -15.024+/-8.167 χ^2/NDF : 40.4/30

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 31.991+/-0.007 χ^2/NDF : 47078.5/12

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

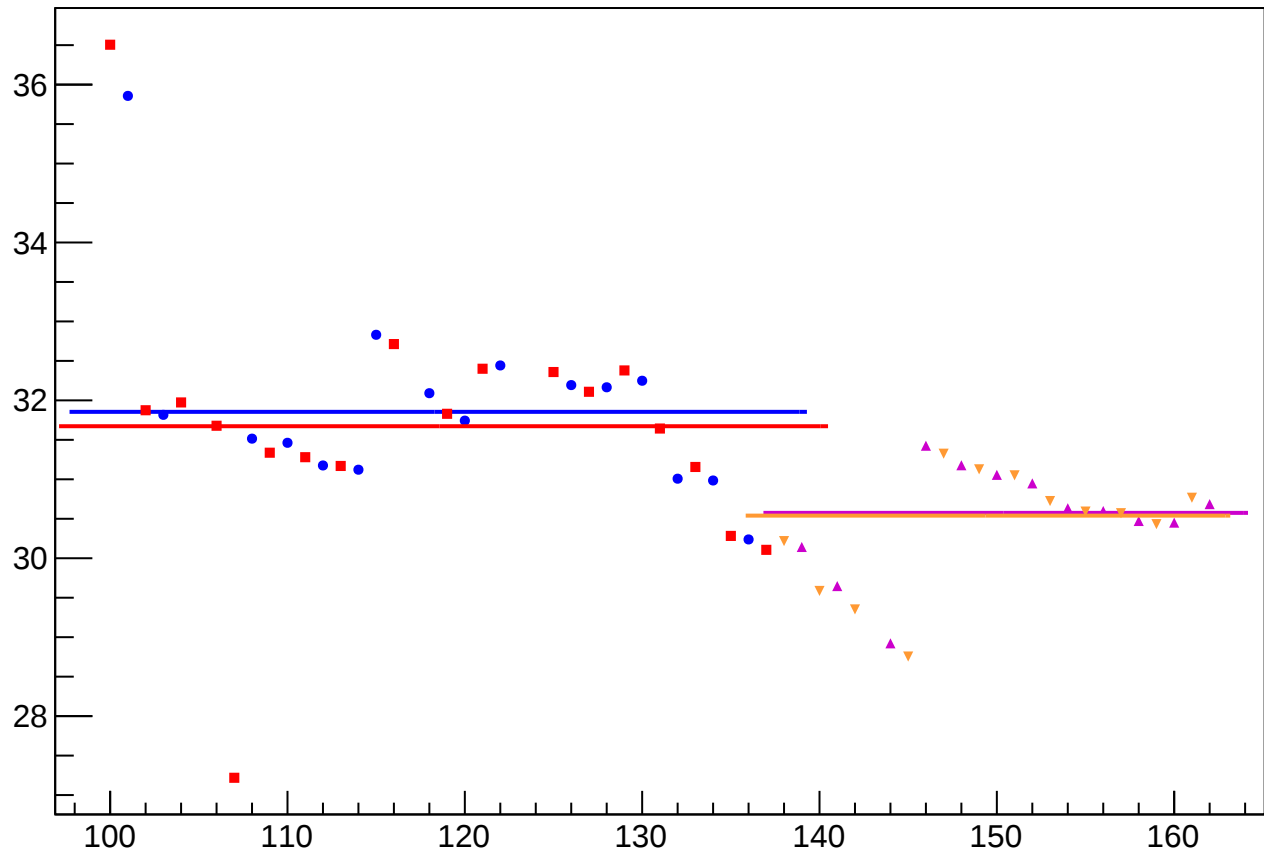
Left In: 31.717+/-0.007 χ^2/NDF : 64901.8/11

+ sign 31.691+/-0.006 χ^2/NDF : 3066376.7/29

All: 31.568+/-0.004 χ^2/NDF : 6595005.8/60

- sign 31.447+/-0.006 χ^2/NDF : 3527747.4/30

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.540+/-0.000 χ^2/NDF : 595345877.3/11

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

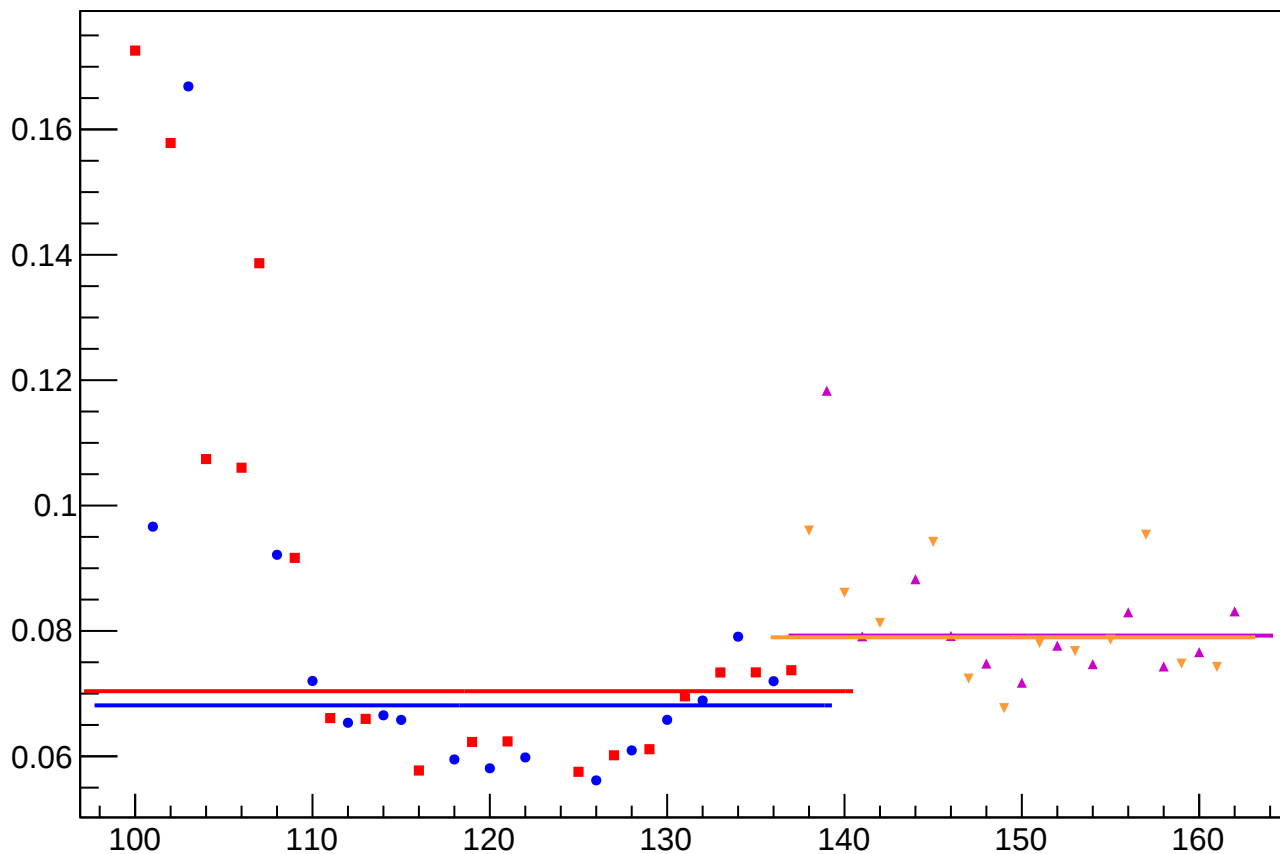
Left In: 30.575+/-0.000 χ^2/NDF : 565942002.4/11

+ sign 31.183+/-0.000 χ^2/NDF : 3264195283.6/27

All: 31.132+/-0.000 χ^2/NDF : 5536186720.8/5

- sign 31.081+/-0.000 χ^2/NDF : 2258692144.9/29

yield_usl_rms vs Slug



Right In: 0.068 ± 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.079 ± 0.000 χ^2/NDF : 191847.1/11

Right Out: 0.070 ± 0.000 χ^2/NDF : 841320.1/17

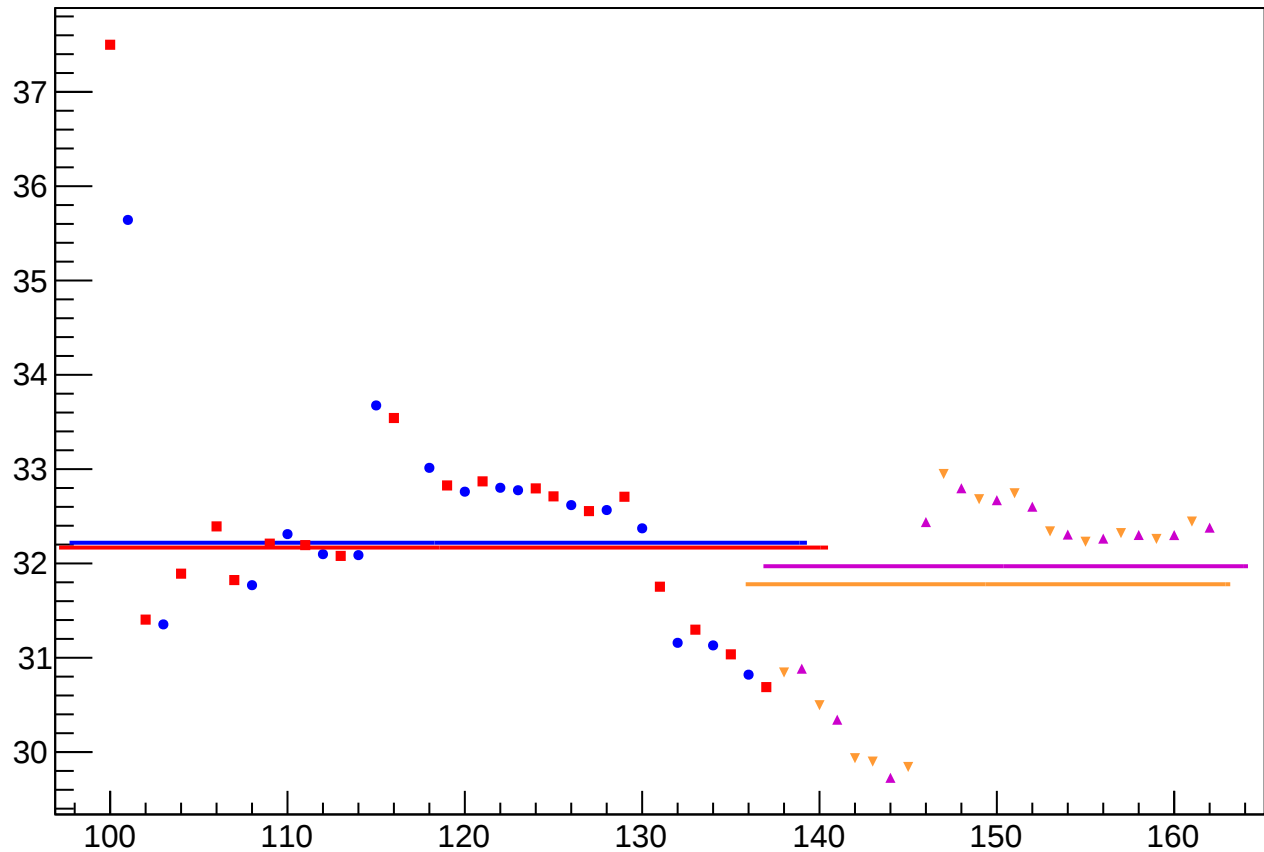
Left In: 0.079 ± 0.000 χ^2/NDF : 211040.5/11

+ sign 0.074 ± 0.000 χ^2/NDF : 971495.1/27

All: 0.074 ± 0.000 χ^2/NDF : 2130761.9/57

- sign 0.075 ± 0.000 χ^2/NDF : 1153561.5/29

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.779+/-0.000 χ^2/NDF : 1801379484.2/12

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

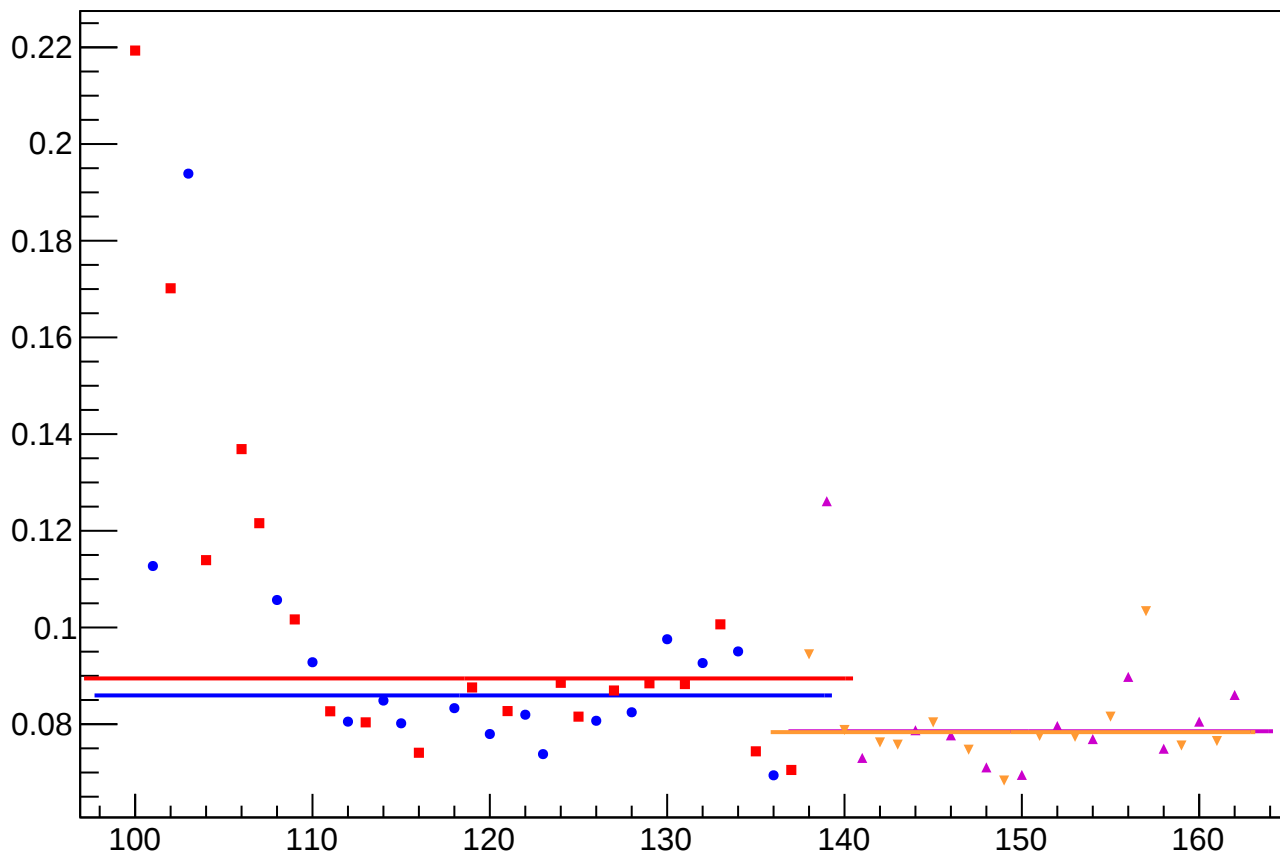
Left In: 31.971+/-0.000 χ^2/NDF : 1393843342.5/11

+ sign 31.936+/-0.000 χ^2/NDF : 2913224583.0/29

All: 31.987+/-0.000 χ^2/NDF : 4780855832.4/6

- sign 32.039+/-0.000 χ^2/NDF : 1855763463.9/30

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:158504.8/12

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 539869.9/18

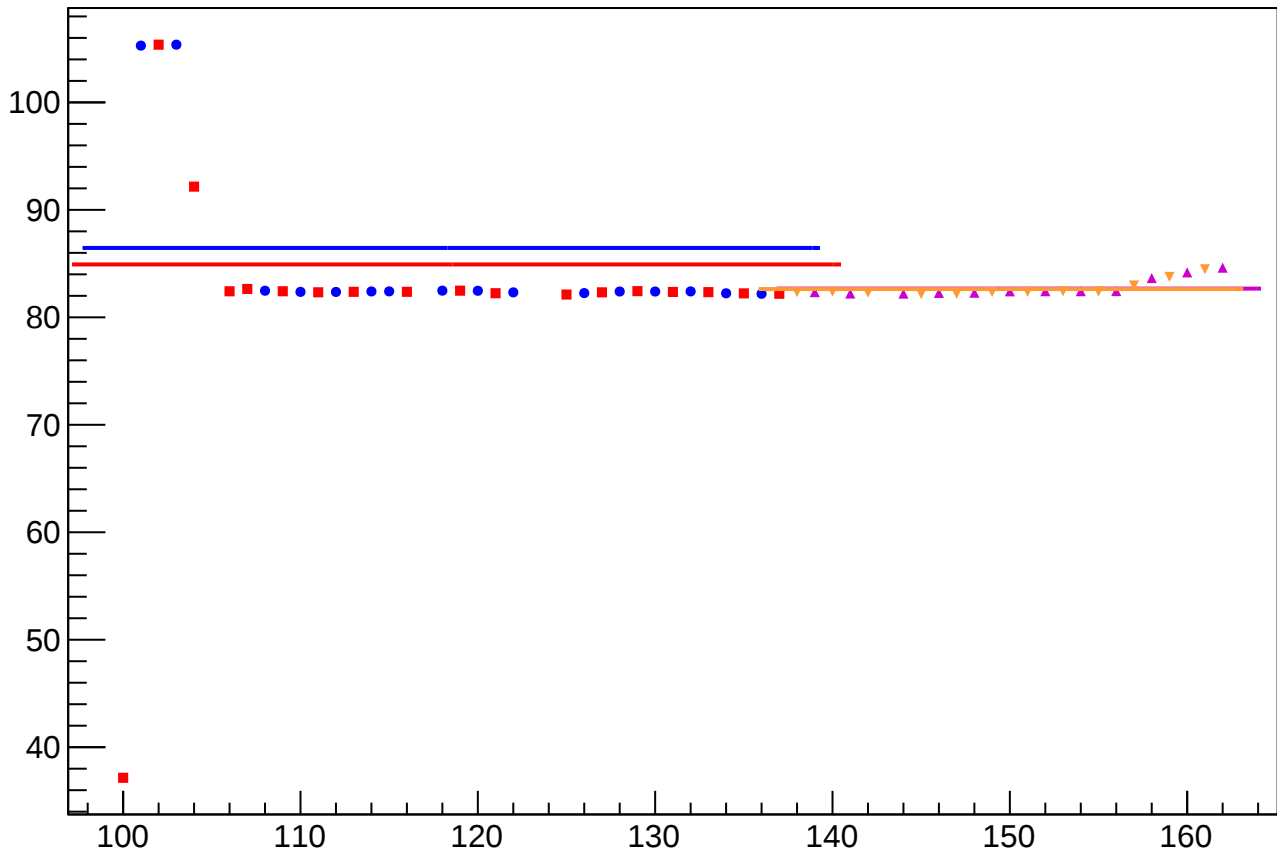
Left In: 0.079 $\pm$ 0.000 χ^2 /NDF:291189.4/11

+ sign 0.081 $\pm$ 0.000 χ^2 /NDF: 770111.0/29

All: 0.082 $\pm$ 0.000 χ^2 /NDF: 1724311.4/60

- sign 0.082 $\pm$ 0.000 χ^2 /NDF: 950559.2/30

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.630+/-0.000 χ^2/NDF : 1958142266.0/11

Right Out: 84.920+/-0.000 χ^2/NDF : 172195187677.7/17

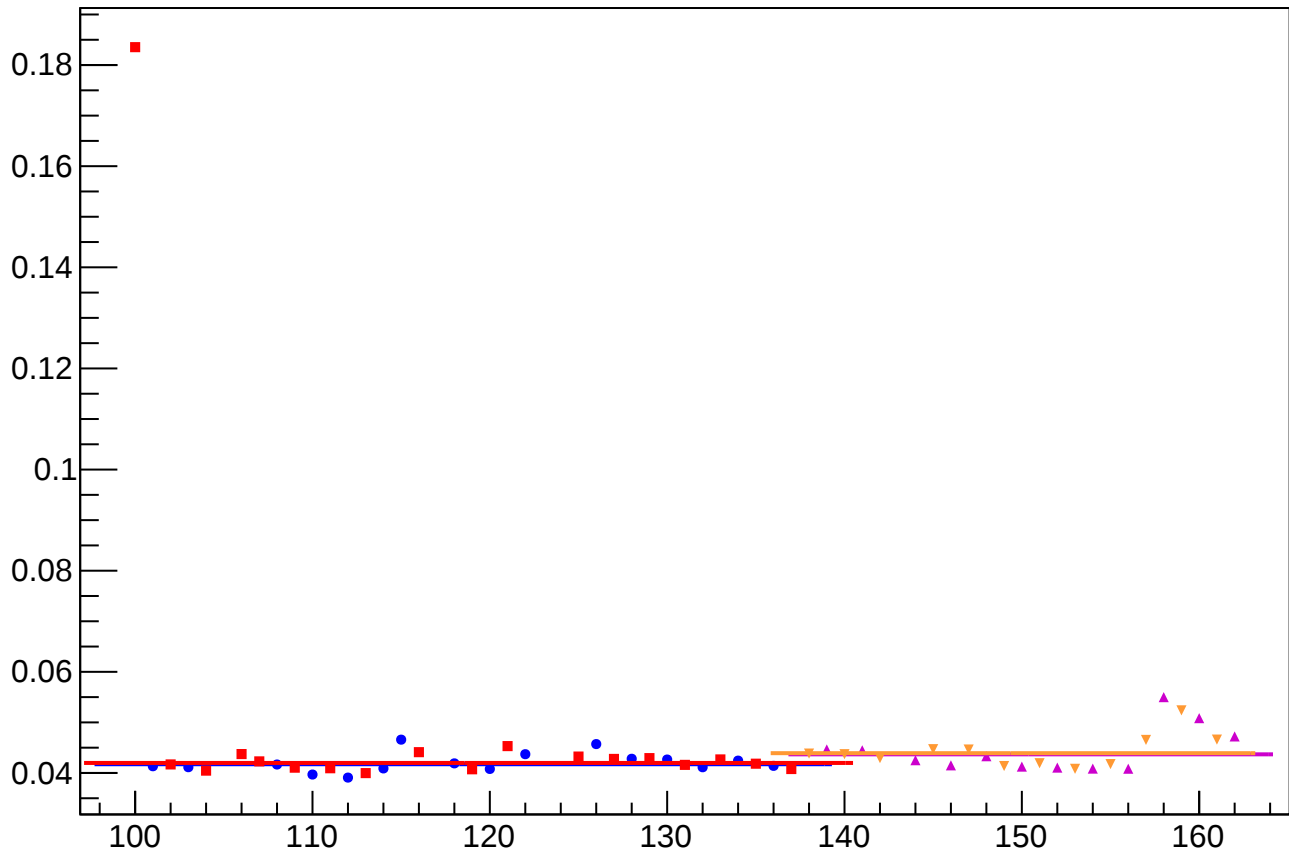
Left In: 82.673+/-0.000 χ^2/NDF : 2662005284.7/11

+ sign 84.352+/-0.000 χ^2/NDF : 323735225684.7/27

All: 83.995+/-0.000 χ^2/NDF : 511711471230.0

- sign 83.660+/-0.000 χ^2/NDF : 185911469689.5/29

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.044+/-0.000 χ^2/NDF : 75121.1/11

Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

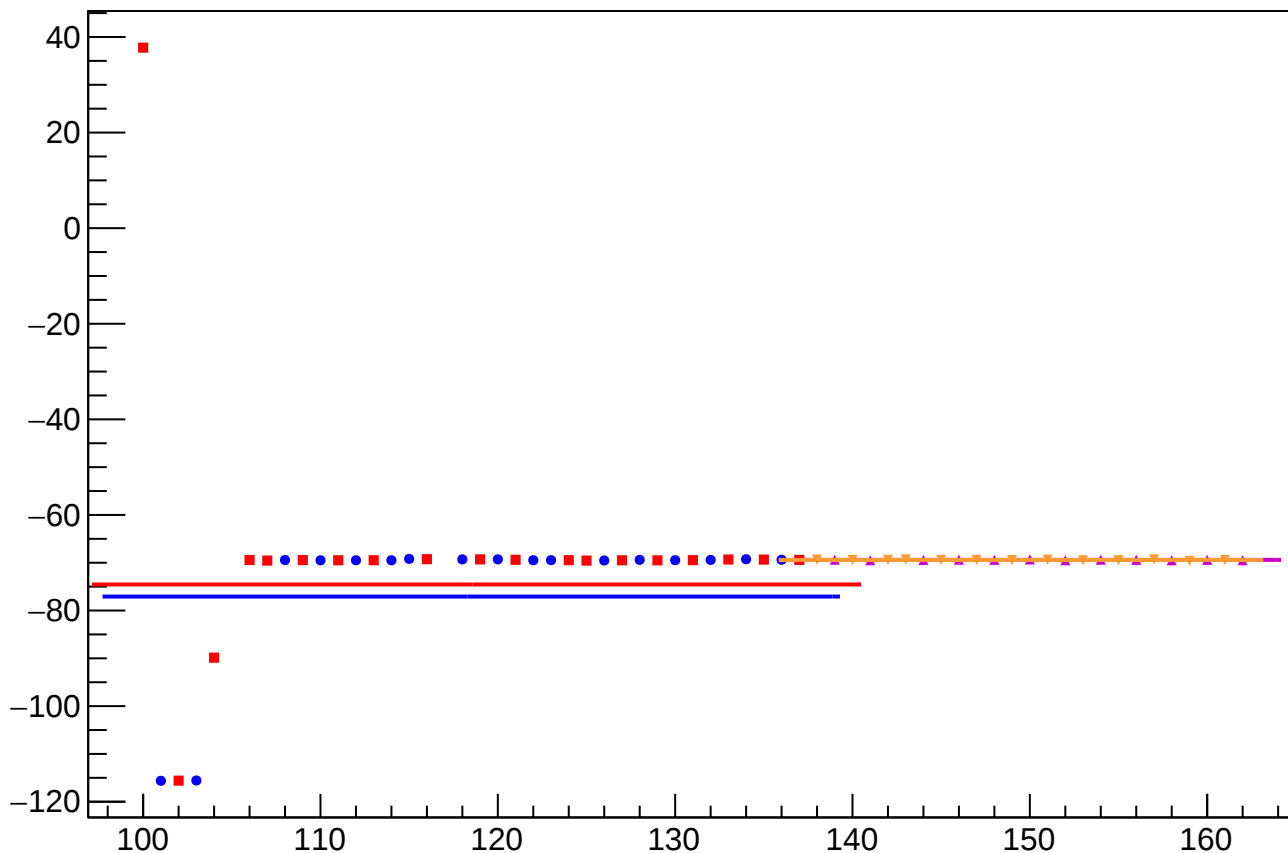
Left In: 0.044+/-0.000 χ^2/NDF : 140913.1/11

+ sign 0.043+/-0.000 χ^2/NDF : 113808.0/27

All: 0.043+/-0.000 χ^2/NDF : 364284.6/57

- sign 0.043+/-0.000 χ^2/NDF : 250476.3/29

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.425+/-0.000 χ^2/NDF : 20327304.6/12

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

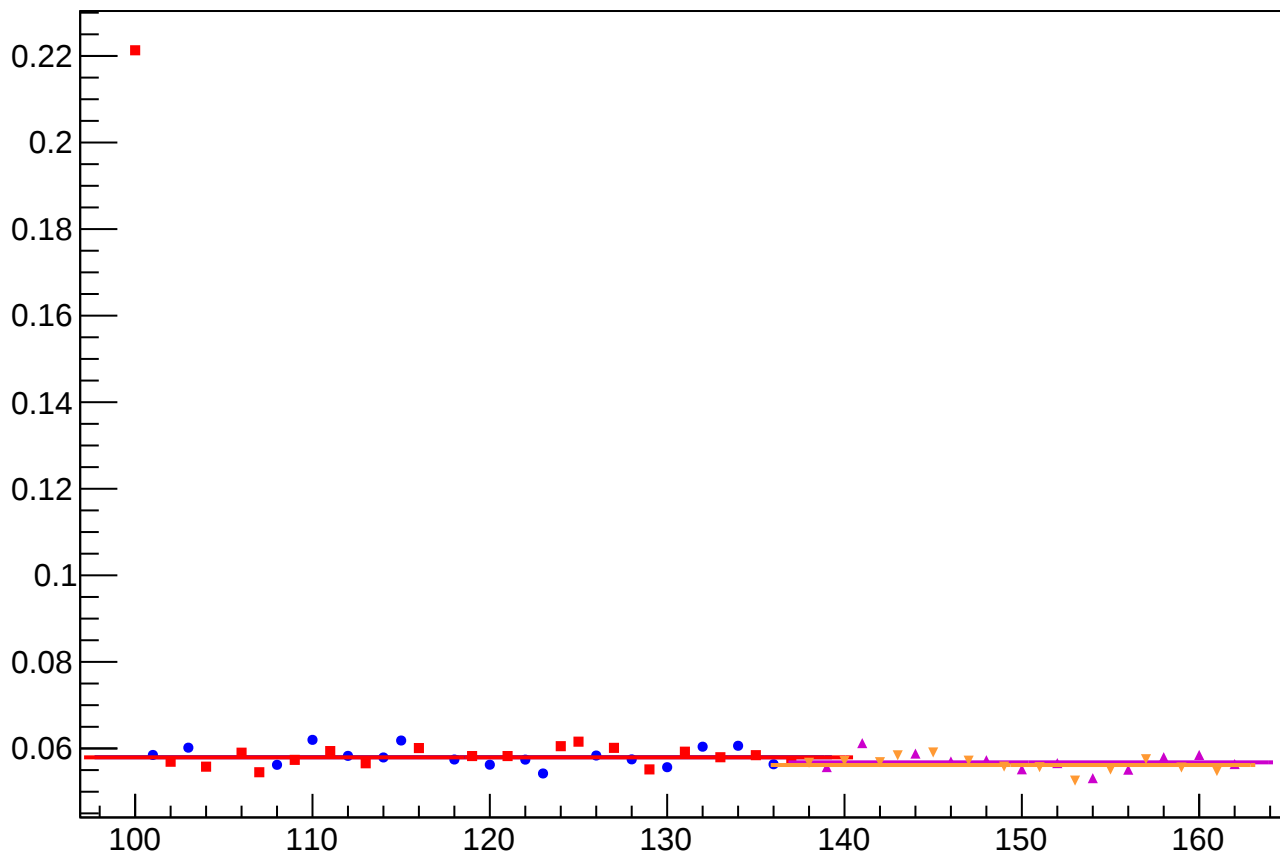
Left In: -69.403+/-0.000 χ^2/NDF : 9125285.4/11

+ sign -72.415+/-0.000 χ^2/NDF : 633655621060.3/2

All: -71.965+/-0.000 χ^2/NDF : 103931857593

- sign -71.521+/-0.000 χ^2/NDF : 403691222191.9/30

yield_dsr_rms vs Slug



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12275.6/16

Left Out: 0.056 $\pm$ 0.000 χ^2 /NDF:16506.9/12

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 86466.5/18

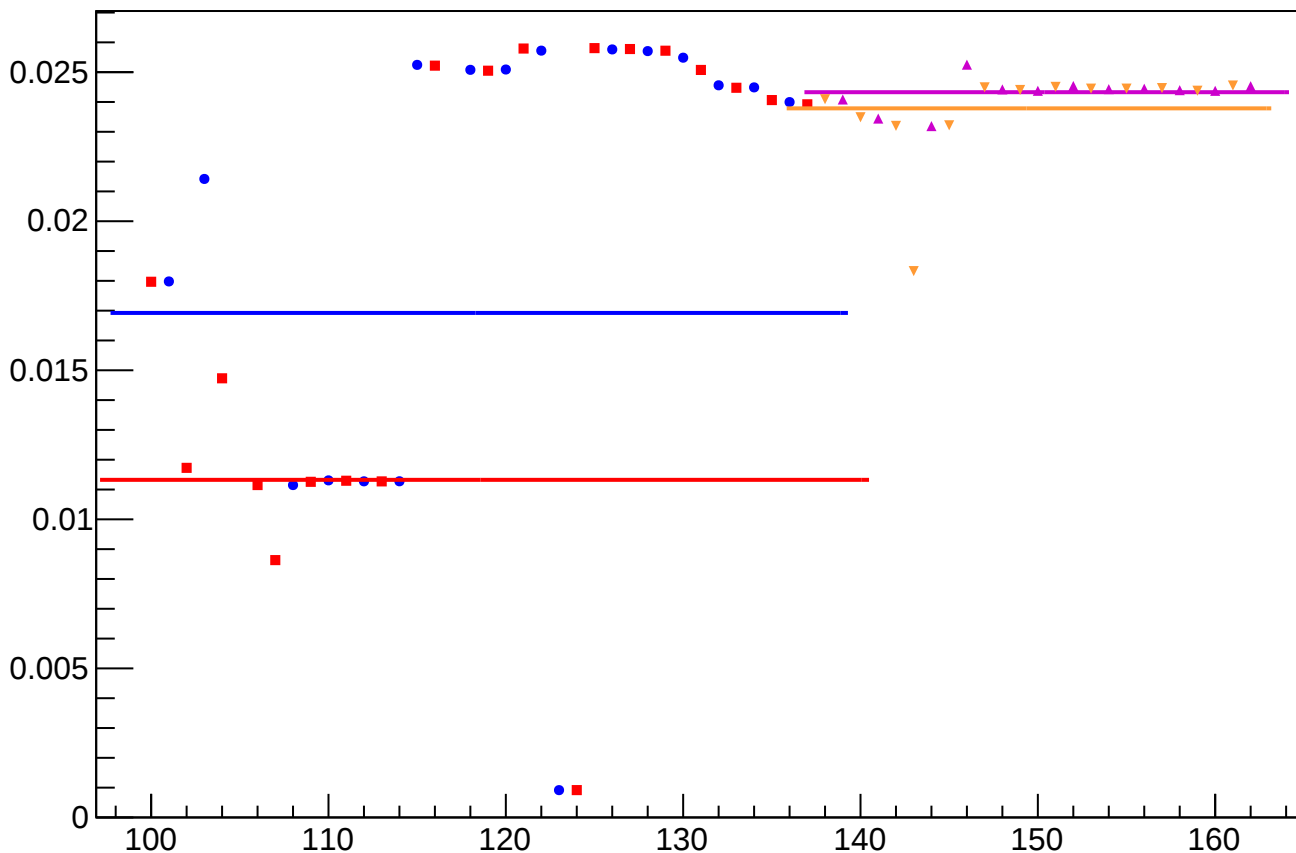
Left In: 0.057 $\pm$ 0.000 χ^2 /NDF:23865.8/11

+ sign 0.057 $\pm$ 0.000 χ^2 /NDF: 36334.8/29

All: 0.057 $\pm$ 0.000 χ^2 /NDF: 150603.7/60

- sign 0.057 $\pm$ 0.000 χ^2 /NDF: 113529.8/30

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5042622885.5/12

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 172986553211.8/29

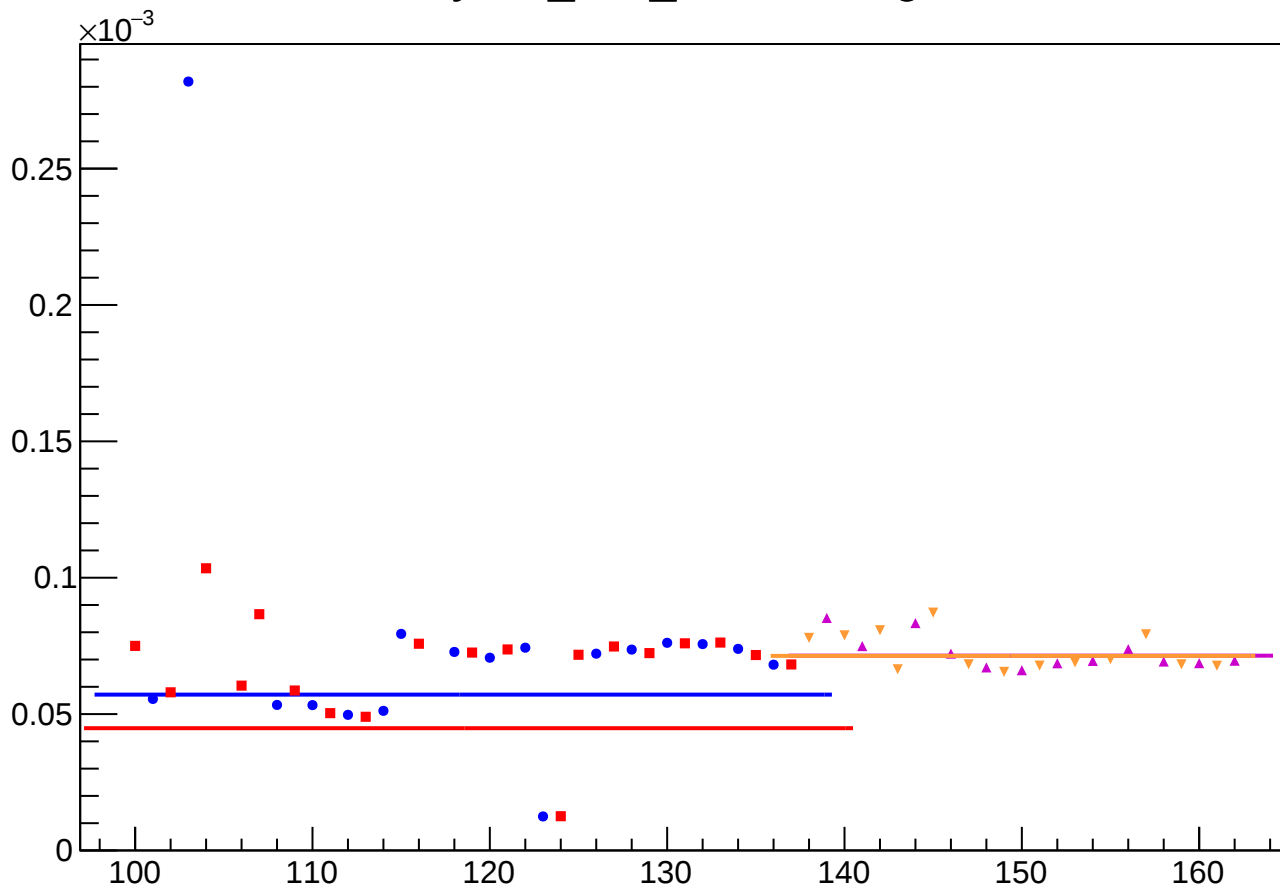
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 234754769754.2/18

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 609406974995.1

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 412631034062.3/30

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 423462598.4/11

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:135400.6/12

Right Out: 0.000+/-0.000 χ^2 /NDF: 3592224.4/18

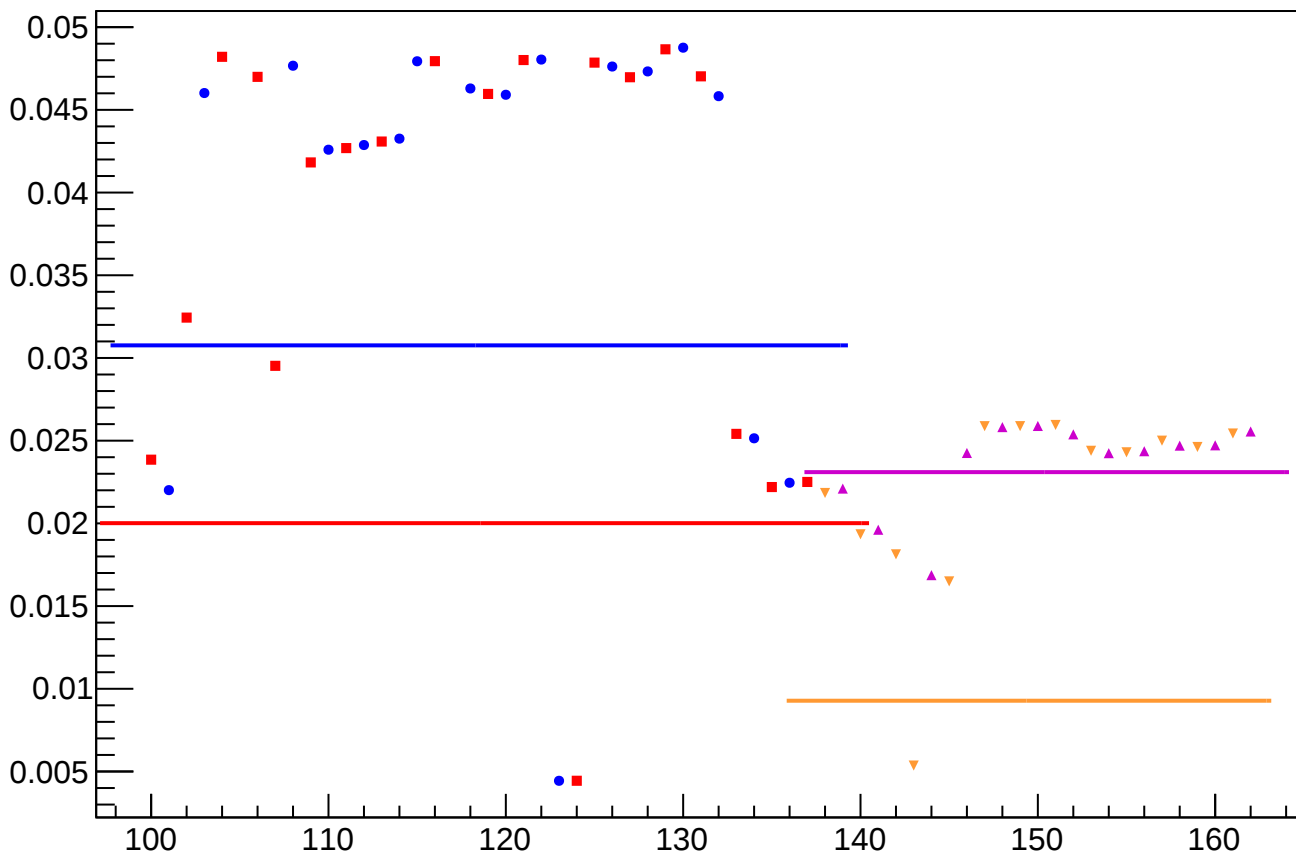
Left In: 0.000+/-0.000 χ^2 /NDF:103698.8/11

+ sign 0.000+/-0.000 χ^2 /NDF: 2491684.9/29

All: 0.000+/-0.000 χ^2 /NDF: 7927705.3/60

- sign 0.000+/-0.000 χ^2 /NDF: 5180584.4/30

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 25075150848.9/12

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

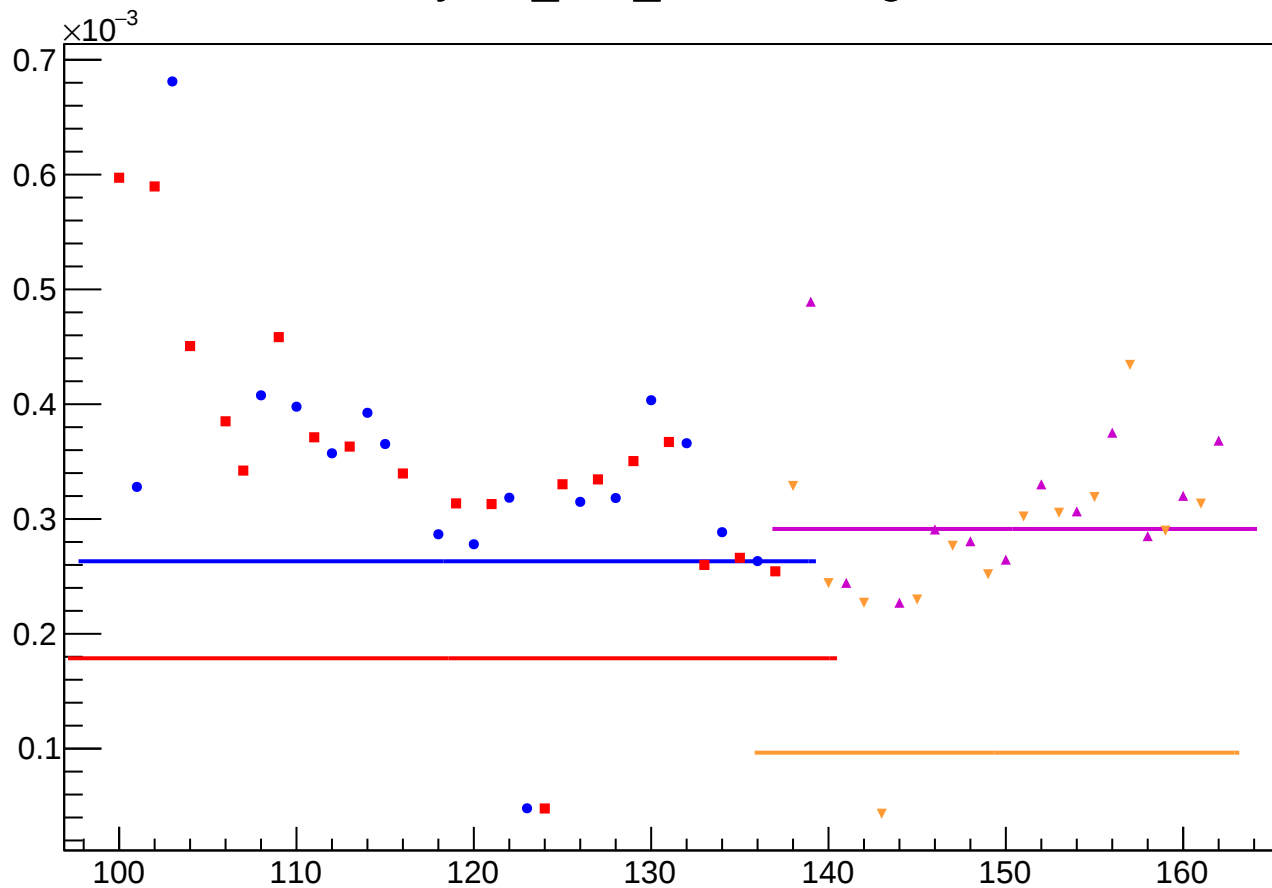
Left In: 0.023+/-0.000 χ^2/NDF : 1036359237.2/11

+ sign 0.012+/-0.000 χ^2/NDF : 74476403036.7/29

All: 0.015+/-0.000 χ^2/NDF : 129224697931.7

- sign 0.021+/-0.000 χ^2/NDF : 41566802798.6/30

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 : 9187714.4/12

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 595699.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 14988582.3/29

All: 0.000+/-0.000 χ^2/NDF : 26172609.1/60

- sign 0.000+/-0.000 χ^2/NDF : 7320644.6/30

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: 341564929.1/12

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43669374279.3/18

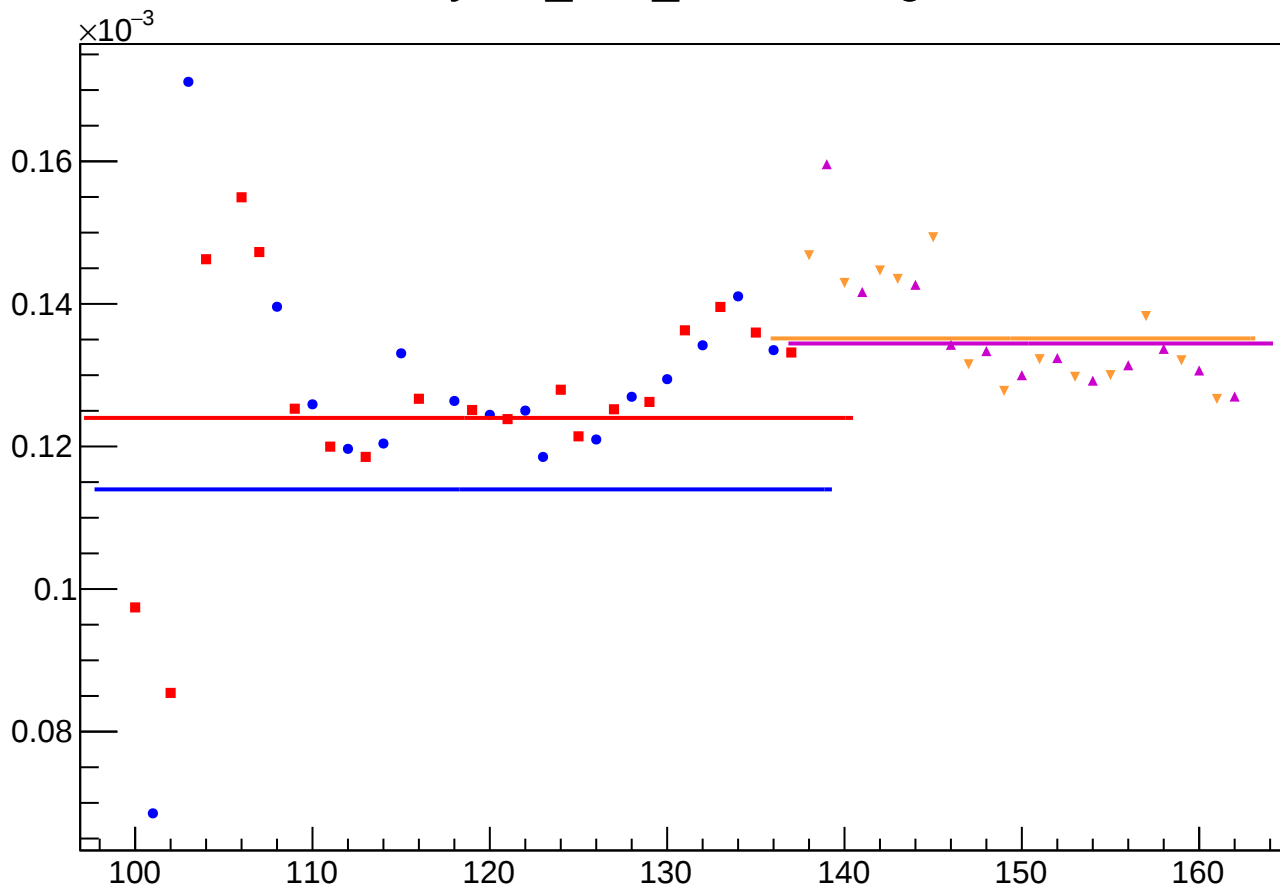
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 274011931.2/11

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 118109308082.6/29

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 169571243007.4

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 48596726376.8/30

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 794542.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:55503.5/12

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 245154.5/18

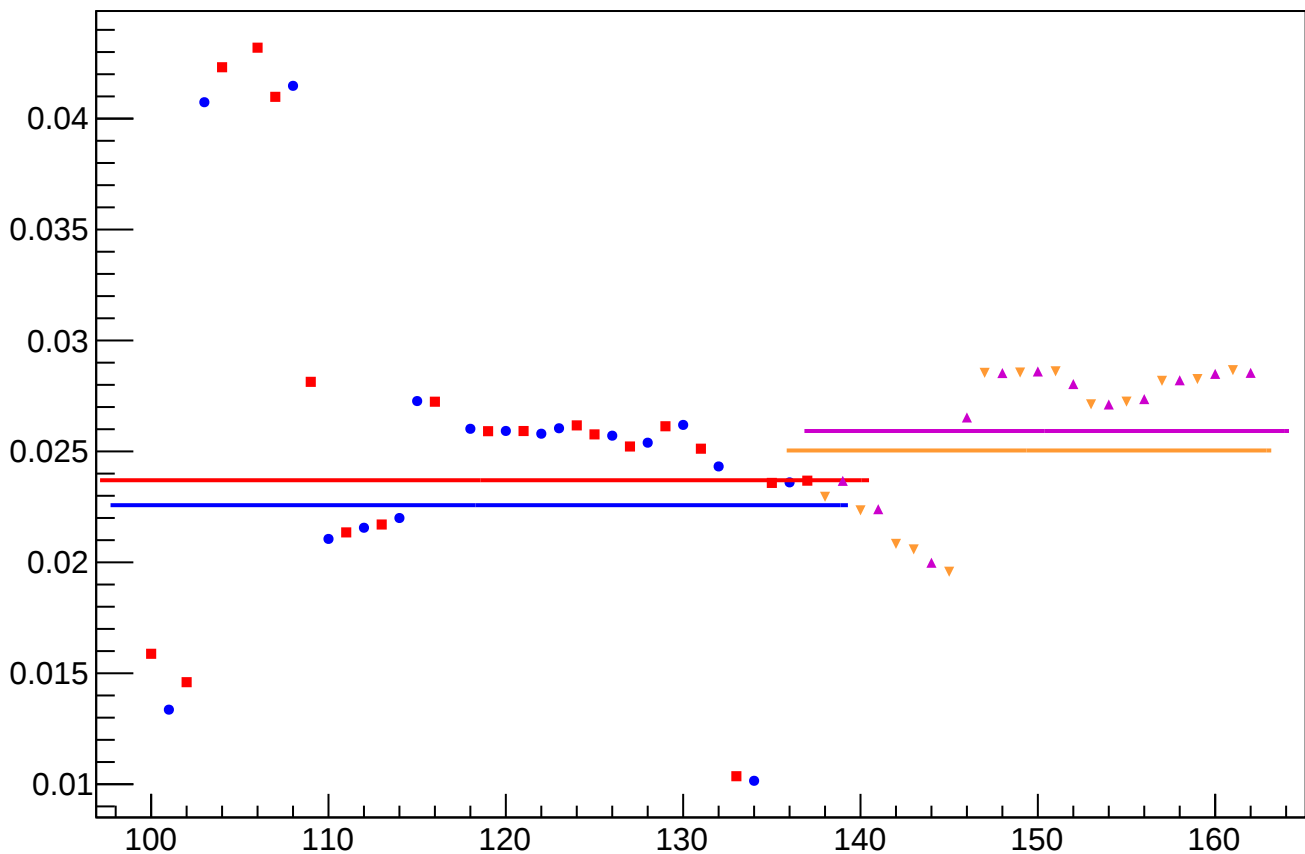
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:57732.9/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1071659.3/29

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 1447513.4/60

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 354608.9/30

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.025+/-0.000 χ^2/NDF :1556605463.8/12

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

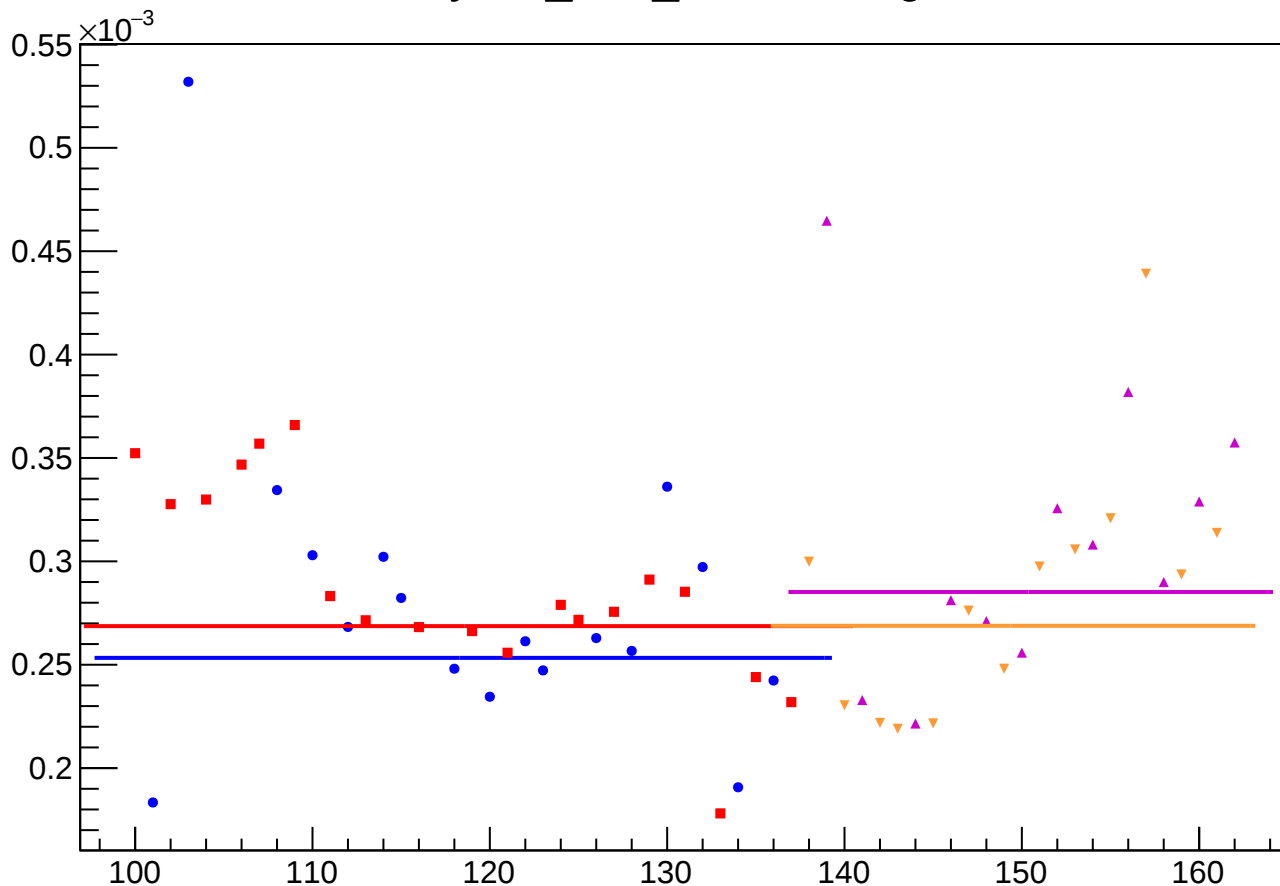
Left In: 0.026+/-0.000 χ^2/NDF :1097887681.0/11

+ sign 0.024+/-0.000 χ^2/NDF : 6113764490.1/29

All: 0.024+/-0.000 χ^2/NDF : 13189369012.5/6

- sign 0.025+/-0.000 χ^2/NDF : 6982616936.3/30

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 : 511018.0/12

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

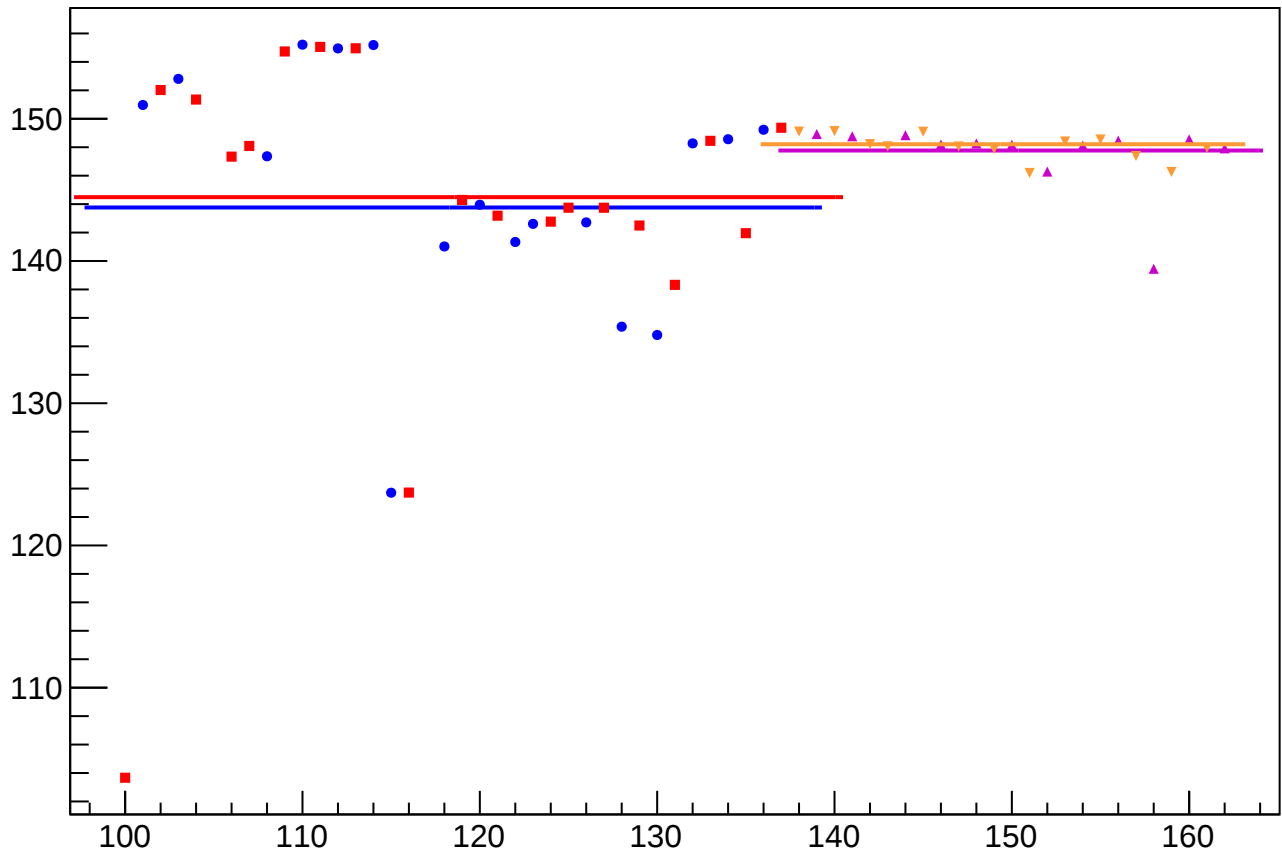
Left In: 0.000+/-0.000 χ^2/NDF : 645338.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 1164653.6/29

All: 0.000+/-0.000 χ^2/NDF : 2313775.6/60

- sign 0.000+/-0.000 χ^2/NDF : 1099513.2/30

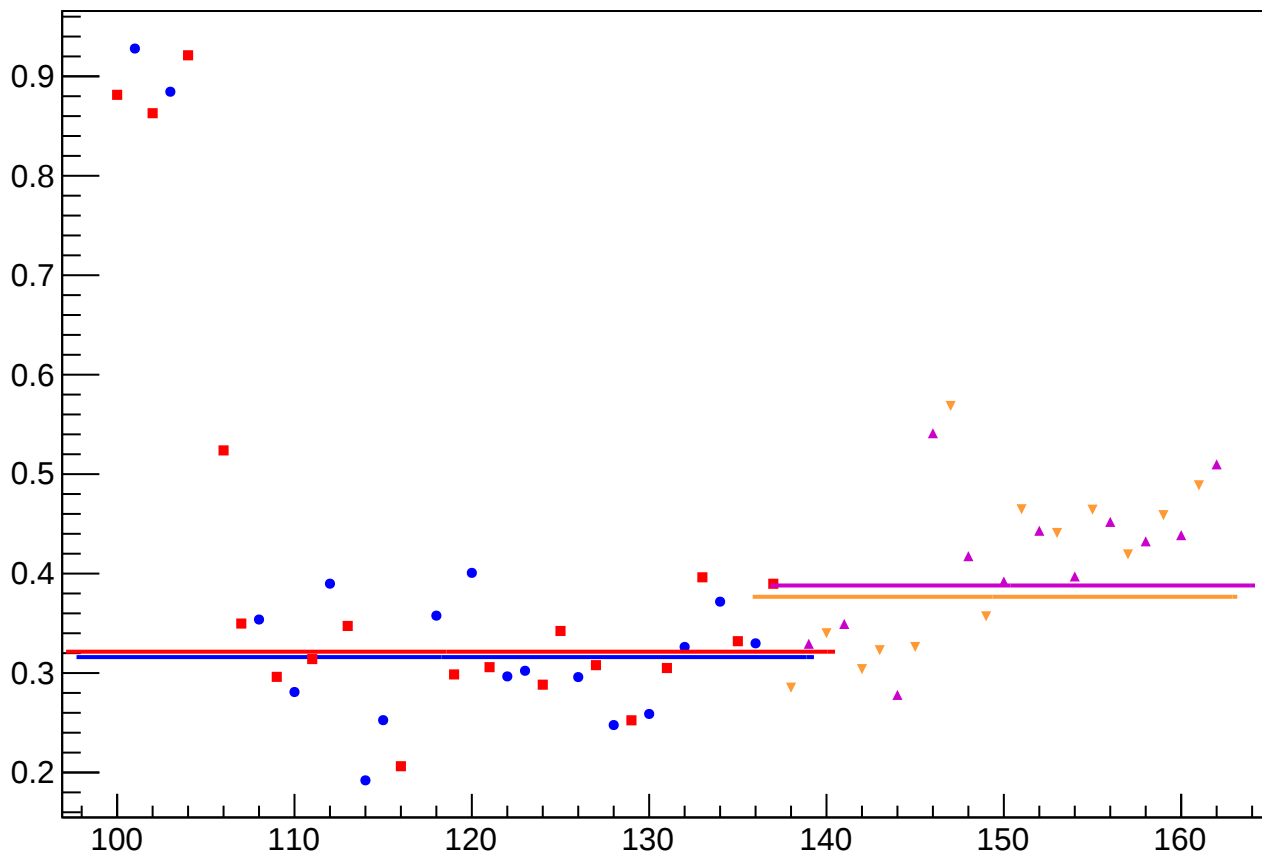
yield_bcm_an_ds_mean vs Slug



Right In: 143.763 ± 0.000 $\chi^2/\text{NDF}: 3534699505.1/16$
 Left Out: 148.210 ± 0.000 $\chi^2/\text{NDF}: 50597661.2/12$
 Right Out: 144.490 ± 0.000 $\chi^2/\text{NDF}: 4182548232.5/18$
 Left In: 147.769 ± 0.000 $\chi^2/\text{NDF}: 321263236.8/11$

+ sign 146.130 ± 0.000 $\chi^2/\text{NDF}: 4170706277.3/29$
 All: 146.154 ± 0.000 $\chi^2/\text{NDF}: 8988415261.1$
 - sign 146.178 ± 0.000 $\chi^2/\text{NDF}: 4817569098.3/30$

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 ± 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.377 ± 0.000 χ^2/NDF : 741559.1/12

Right Out: 0.321 ± 0.000 χ^2/NDF : 1219073.9/18

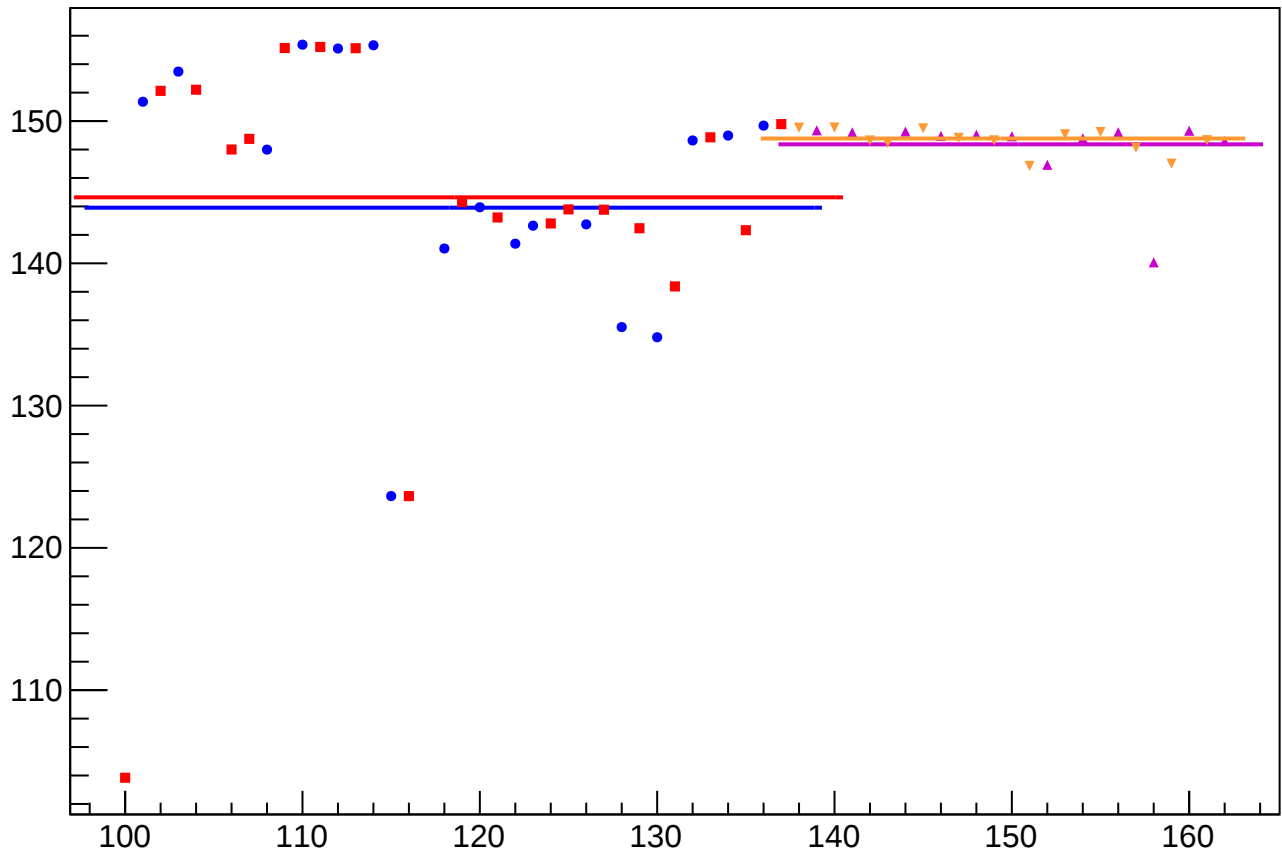
Left In: 0.388 ± 0.000 χ^2/NDF : 636844.0/11

+ sign 0.348 ± 0.000 χ^2/NDF : 2225136.0/29

All: 0.352 ± 0.000 χ^2/NDF : 4346333.5/60

- sign 0.356 ± 0.000 χ^2/NDF : 2114677.5/30

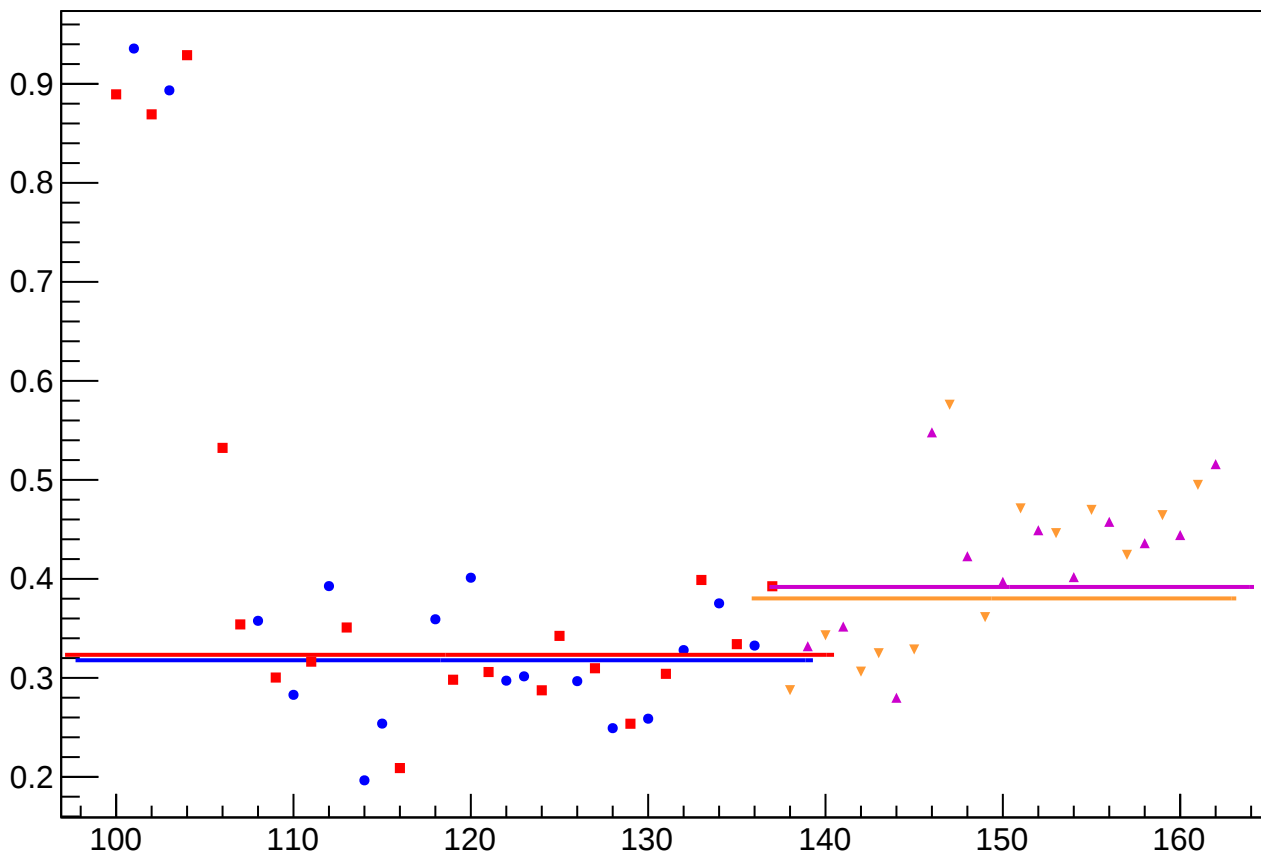
yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 ± 0.000 $\chi^2/\text{NDF}: 3587769790.2/16$
 Left Out: 148.774 ± 0.000 $\chi^2/\text{NDF}: 39703204.8/12$
 Right Out: 144.640 ± 0.000 $\chi^2/\text{NDF}: 4209610240.4/18$
 Left In: 148.366 ± 0.000 $\chi^2/\text{NDF}: 310464028.9/11$

+ sign 146.490 ± 0.000 $\chi^2/\text{NDF}: 4316528576.0/29$
 All: 146.520 ± 0.000 $\chi^2/\text{NDF}: 9235443304.2$
 - sign 146.551 ± 0.000 $\chi^2/\text{NDF}: 4918696806.3/30$

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.380 ± 0.000 χ^2/NDF : 756563.9/12

Right Out: 0.323 ± 0.000 χ^2/NDF : 1222241.9/18

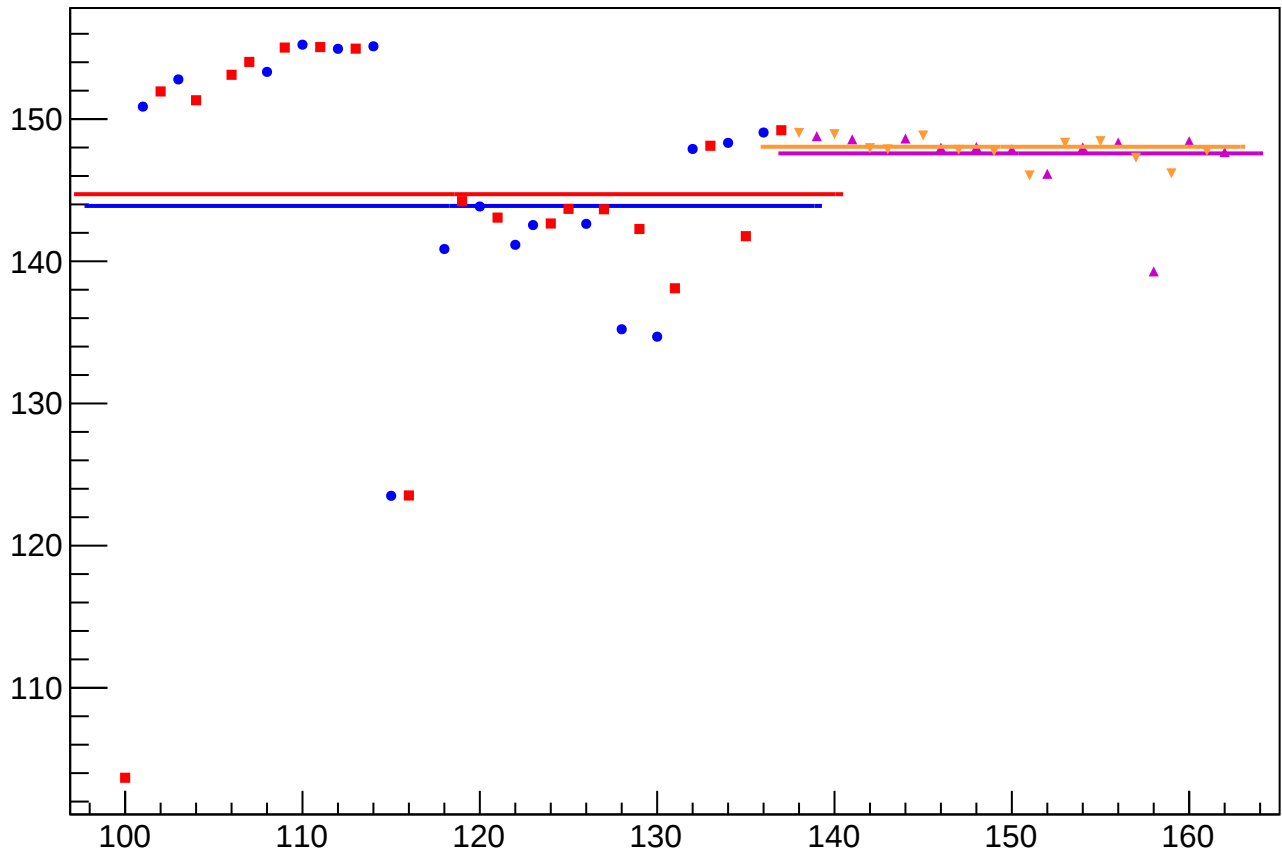
Left In: 0.392 ± 0.000 χ^2/NDF : 650858.3/11

+ sign 0.351 ± 0.000 χ^2/NDF : 2252241.4/29

All: 0.355 ± 0.000 χ^2/NDF : 4401867.7/60

- sign 0.358 ± 0.000 χ^2/NDF : 2143027.0/30

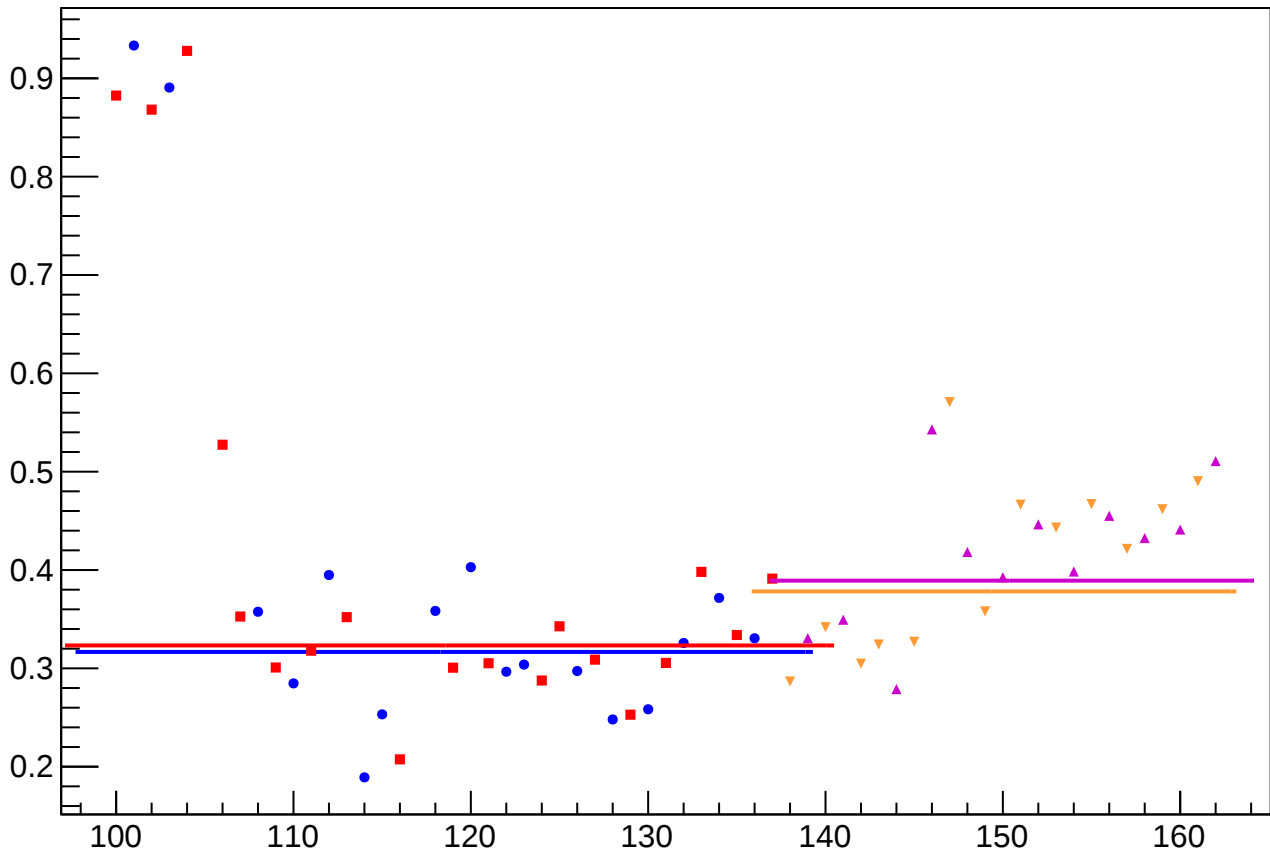
yield_bcm_an_us_mean vs Slug



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3752655677.2/16
 Left Out: 148.054 $\pm$ 0.000 χ^2 /NDF: 48936298.8/12
 Right Out: 144.719 $\pm$ 0.000 χ^2 /NDF: 4473225884.5/18
 Left In: 147.587 $\pm$ 0.000 χ^2 /NDF: 319852142.1/11

+ sign 146.105 $\pm$ 0.000 χ^2 /NDF: 4310316939.9/29
 All: 146.152 $\pm$ 0.000 χ^2 /NDF: 9341953767.0
 - sign 146.200 $\pm$ 0.000 χ^2 /NDF: 5031113828.4/30

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.378 $\pm$ 0.000 χ^2 /NDF: 744105.7/12

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222784.7/18

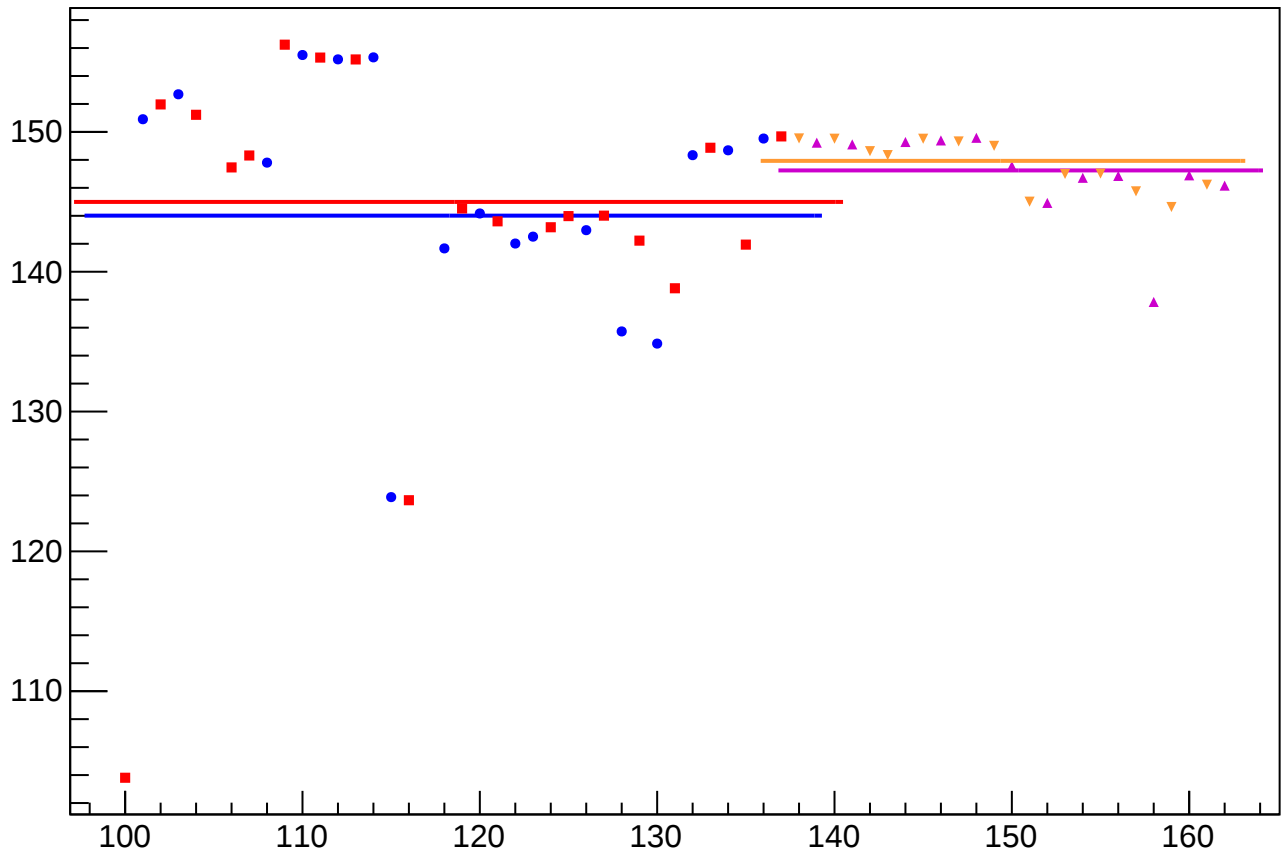
Left In: 0.389 $\pm$ 0.000 χ^2 /NDF: 639989.5/11

+ sign 0.349 $\pm$ 0.000 χ^2 /NDF: 2247046.5/29

All: 0.353 $\pm$ 0.000 χ^2 /NDF: 4368465.2/60

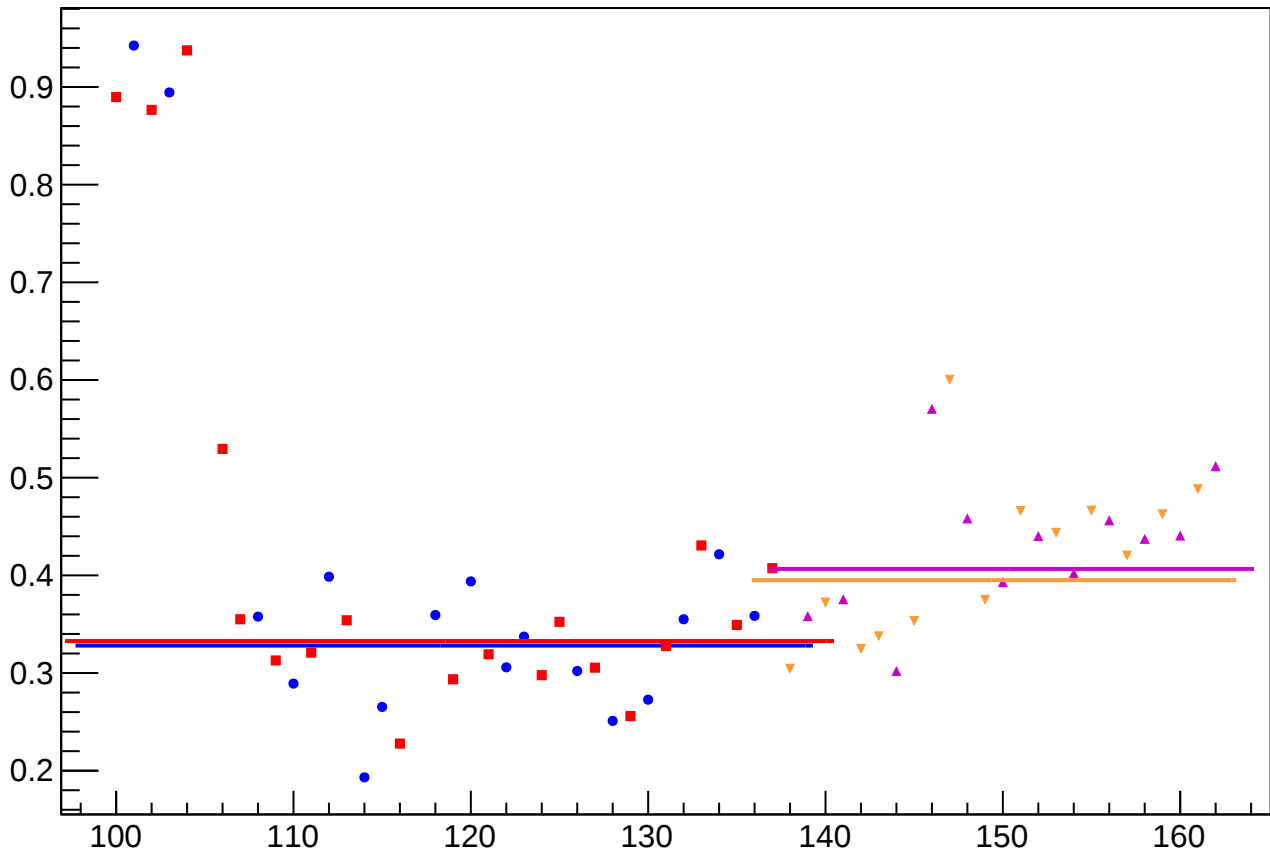
- sign 0.357 $\pm$ 0.000 χ^2 /NDF: 2114119.2/30

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000	χ^2 /NDF: 3241696920.3/16	+ sign 146.086 $\pm$ 0.000	χ^2 /NDF: 3824261940.3/29
Left Out: 147.930 $\pm$ 0.000	χ^2 /NDF: 165541876.9/12	All: 146.115 $\pm$ 0.000	χ^2 /NDF: 8297856179.7
Right Out: 144.994 $\pm$ 0.000	χ^2 /NDF: 3852381452.1/18	- sign 146.144 $\pm$ 0.000	χ^2 /NDF: 4473411258.8/30
Left In: 147.246 $\pm$ 0.000	χ^2 /NDF: 484111300.5/11		

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.395 ± 0.000 χ^2/NDF : 584825.2/12

Right Out: 0.333 ± 0.000 χ^2/NDF : 1185129.6/18

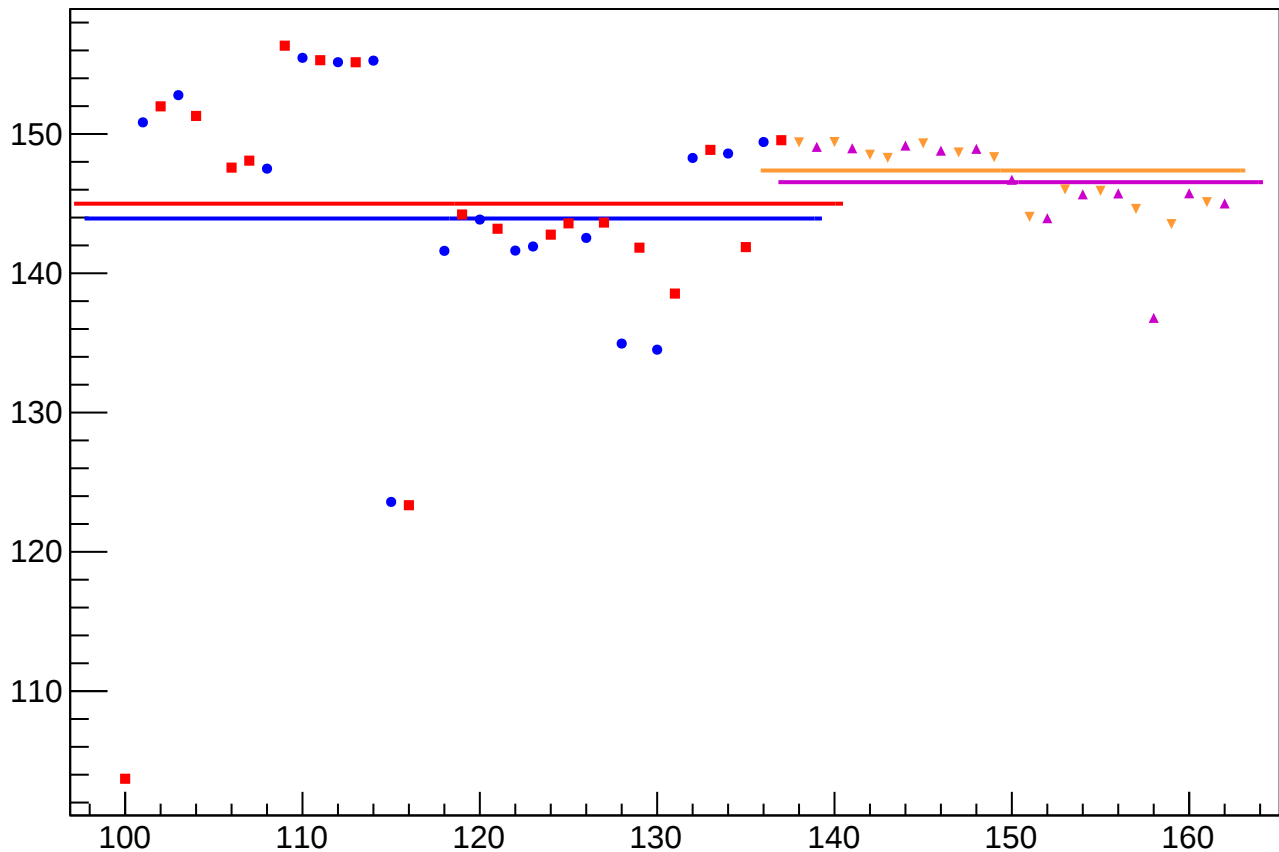
Left In: 0.407 ± 0.000 χ^2/NDF : 491900.8/11

+ sign 0.364 ± 0.000 χ^2/NDF : 2094359.9/29

All: 0.367 ± 0.000 χ^2/NDF : 4070670.5/60

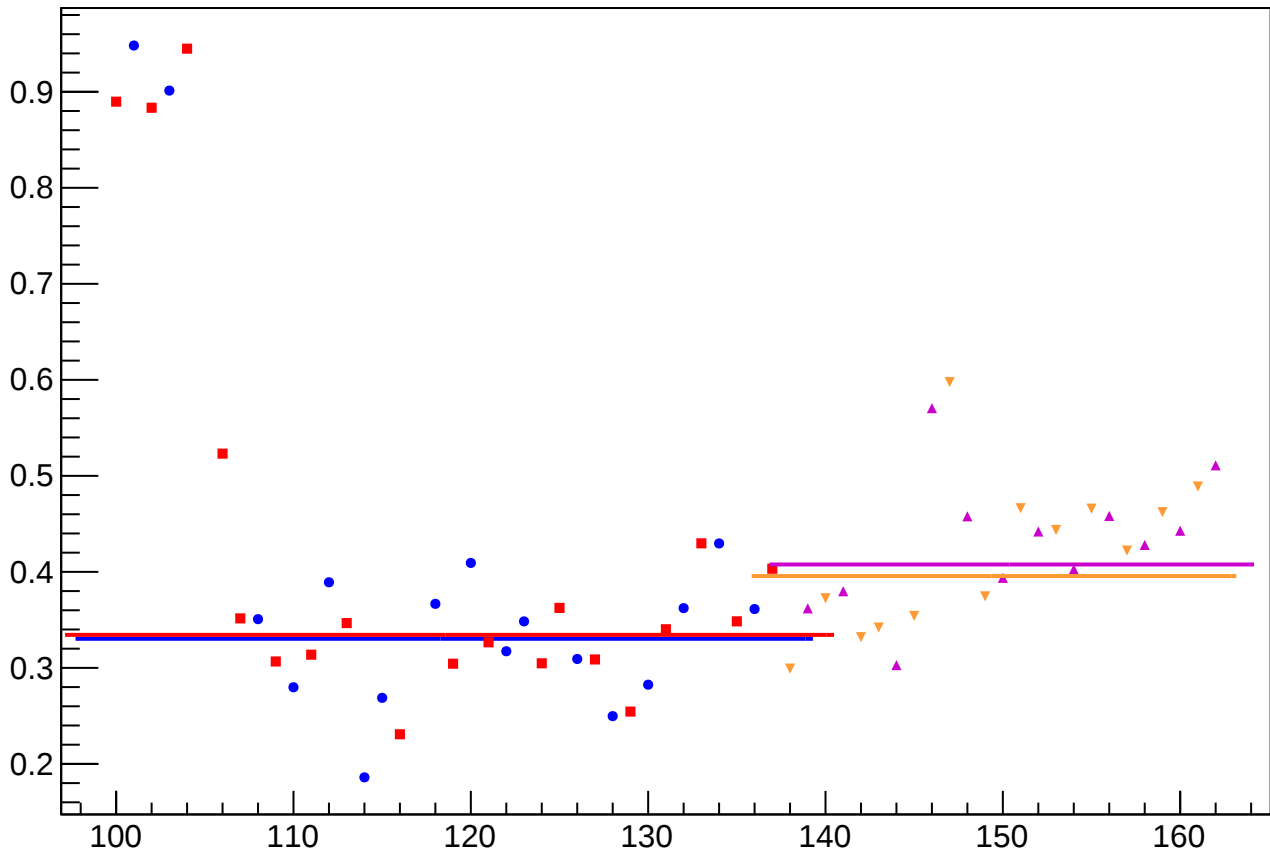
- sign 0.370 ± 0.000 χ^2/NDF : 1971141.5/30

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000	χ^2 /NDF: 3383012861.2/16	+ sign 145.768 $\pm$ 0.000	χ^2 /NDF: 3951051528.4/29
Left Out: 147.379 $\pm$ 0.000	χ^2 /NDF: 248841150.0/12	All: 145.778 $\pm$ 0.000	χ^2 /NDF: 8539427285.7
Right Out: 144.998 $\pm$ 0.000	χ^2 /NDF: 3932958476.0/18	- sign 145.788 $\pm$ 0.000	χ^2 /NDF: 4588353625.2/30
Left In: 146.541 $\pm$ 0.000	χ^2 /NDF: 591707694.3/11		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.396 $\pm$ 0.000 χ^2 /NDF: 584735.1/12

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1174012.0/18

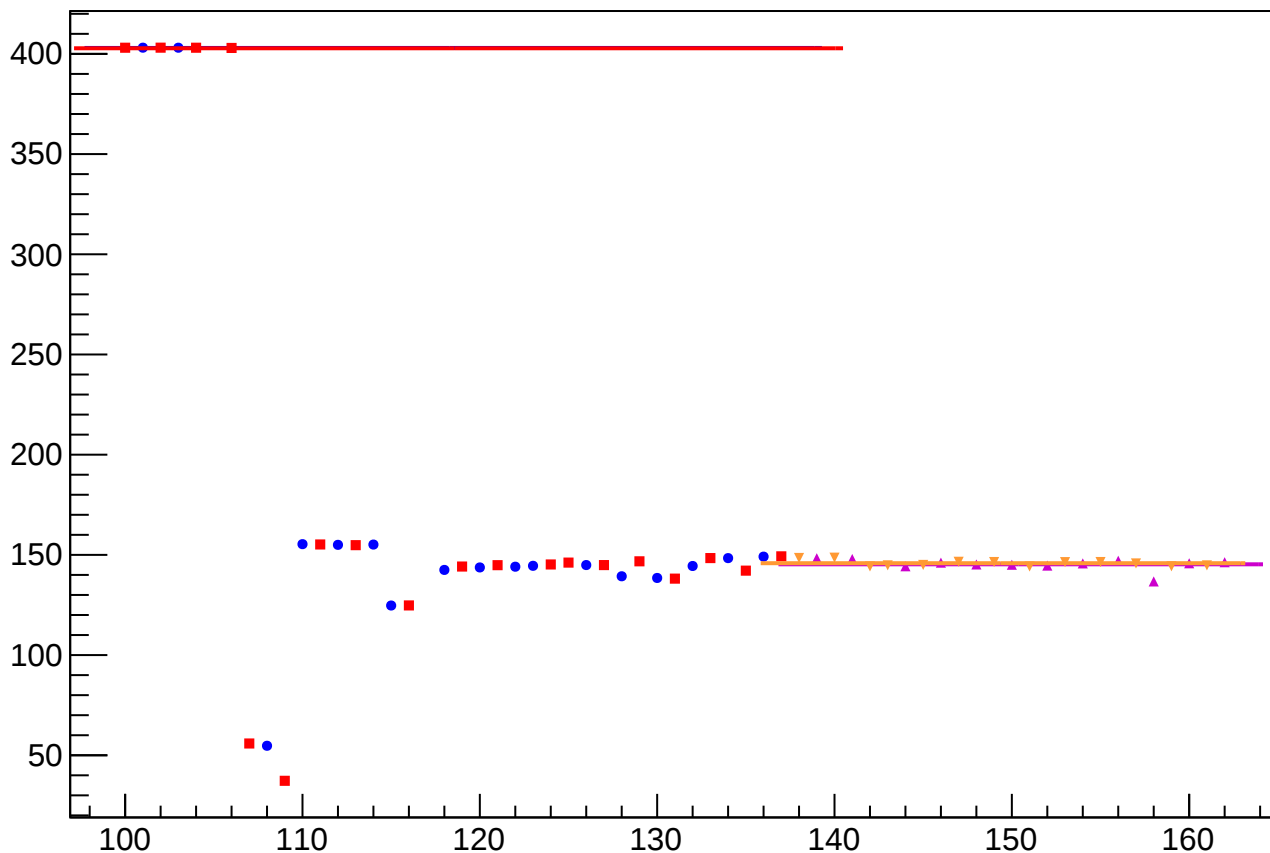
Left In: 0.408 $\pm$ 0.000 χ^2 /NDF: 476683.2/11

+ sign 0.365 $\pm$ 0.000 χ^2 /NDF: 2097911.1/29

All: 0.368 $\pm$ 0.000 χ^2 /NDF: 4041090.8/60

- sign 0.372 $\pm$ 0.000 χ^2 /NDF: 1938154.9/30

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 145.847+/-0.000 χ^2/NDF : 38276033.2/12

Right Out: 402.799+/-0.000 χ^2/NDF : 3102036567767.5/18

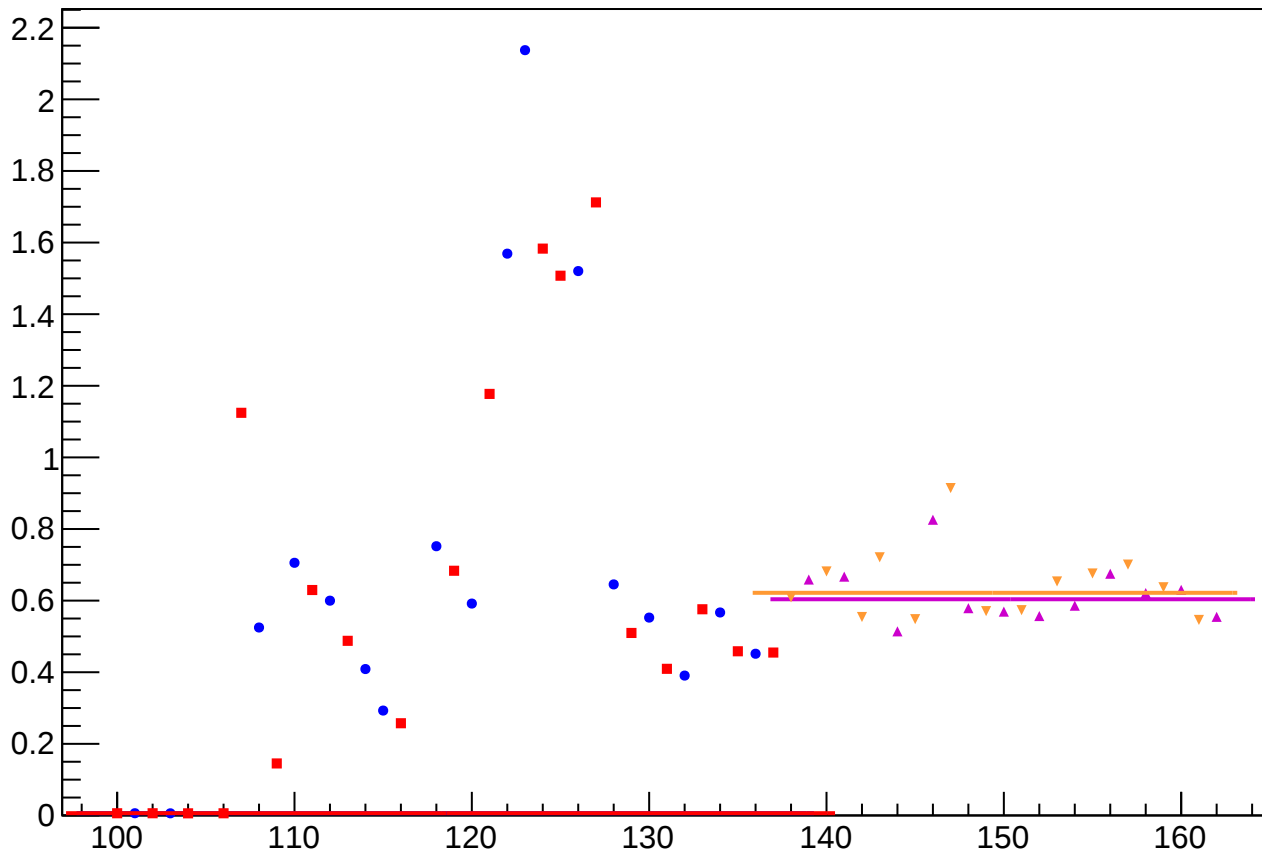
Left In: 145.294+/-0.000 χ^2/NDF : 129541132.2/11

+ sign 402.819+/-0.000 χ^2/NDF : 2201465512014.4

All: 402.738+/-0.000 χ^2/NDF : 650496577158

- sign 402.667+/-0.000 χ^2/NDF : 4303113694743.9

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.622+/-0.000 χ^2/NDF : 215252.9/12

Right Out: 0.006+/-0.000 χ^2/NDF : 919335.5/18

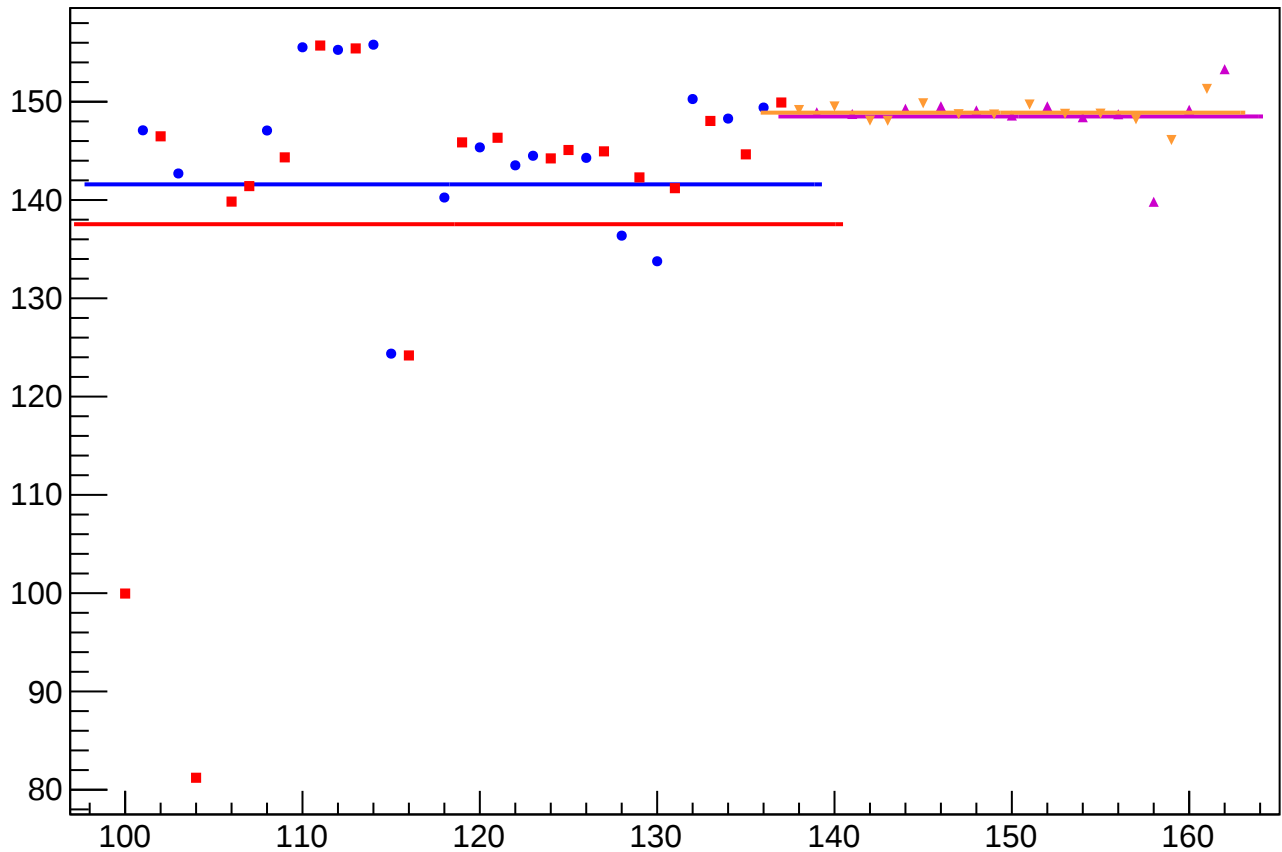
Left In: 0.604+/-0.000 χ^2/NDF : 167982.3/11

+ sign 0.007+/-0.000 χ^2/NDF : 21983064.4/29

All: 0.007+/-0.000 χ^2/NDF : 44274895.1/60

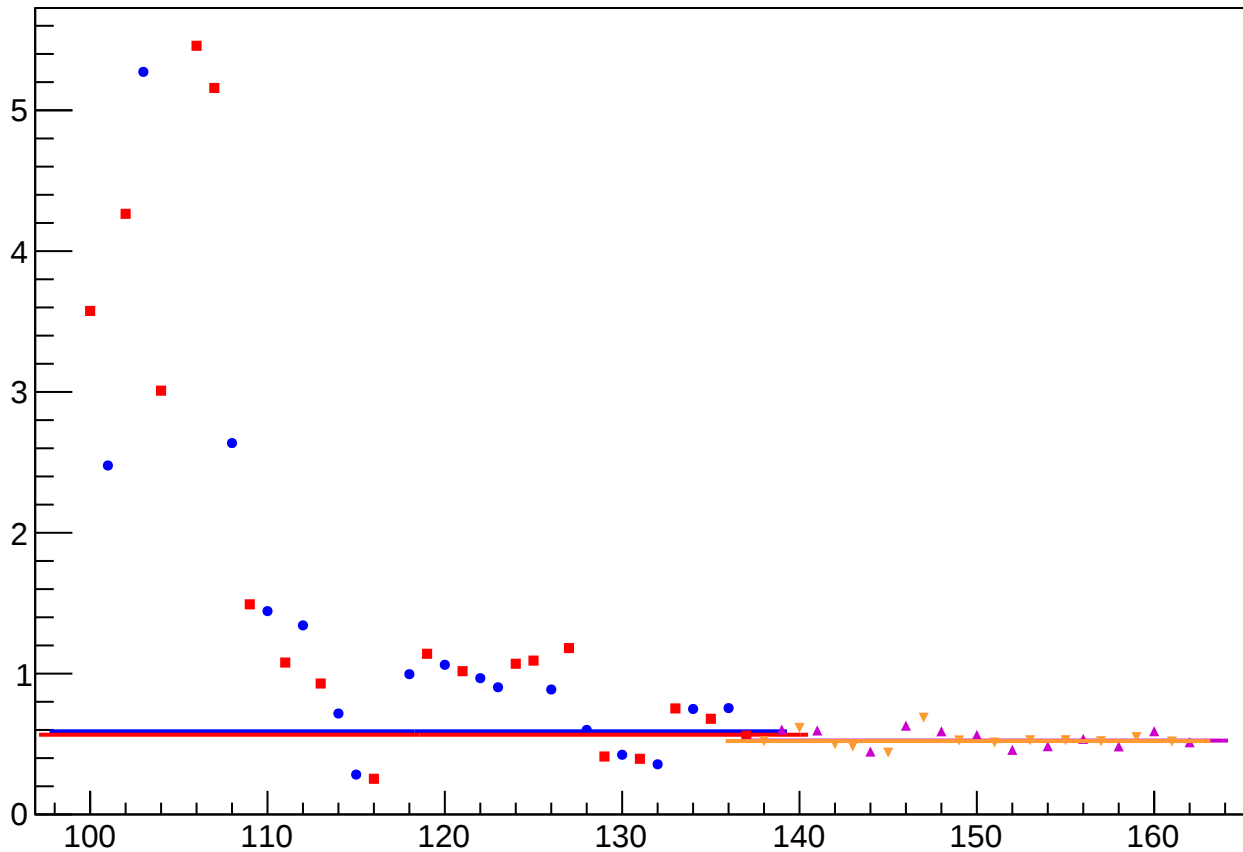
- sign 0.007+/-0.000 χ^2/NDF : 22291791.6/30

yield_cav4cQ_mean vs Slug



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16
 Left Out: 148.889 $\pm$ 0.000 χ^2 /NDF: 46854531.3/12
 Right Out: 137.539 $\pm$ 0.000 χ^2 /NDF: 1316096307.7/18
 Left In: 148.501 $\pm$ 0.000 χ^2 /NDF: 310707094.2/11
 All: 146.393 $\pm$ 0.000 χ^2 /NDF: 4049544584.5
 + sign 147.098 $\pm$ 0.000 χ^2 /NDF: 1432379730.0/29
 - sign 145.695 $\pm$ 0.000 χ^2 /NDF: 2576518266.9/30

yield_cav4cQ_rms vs Slug



Right In: 0.590 ± 0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.521 ± 0.000 χ^2/NDF : 168226.5/12

Right Out: 0.566 ± 0.000 χ^2/NDF : 4683596.4/18

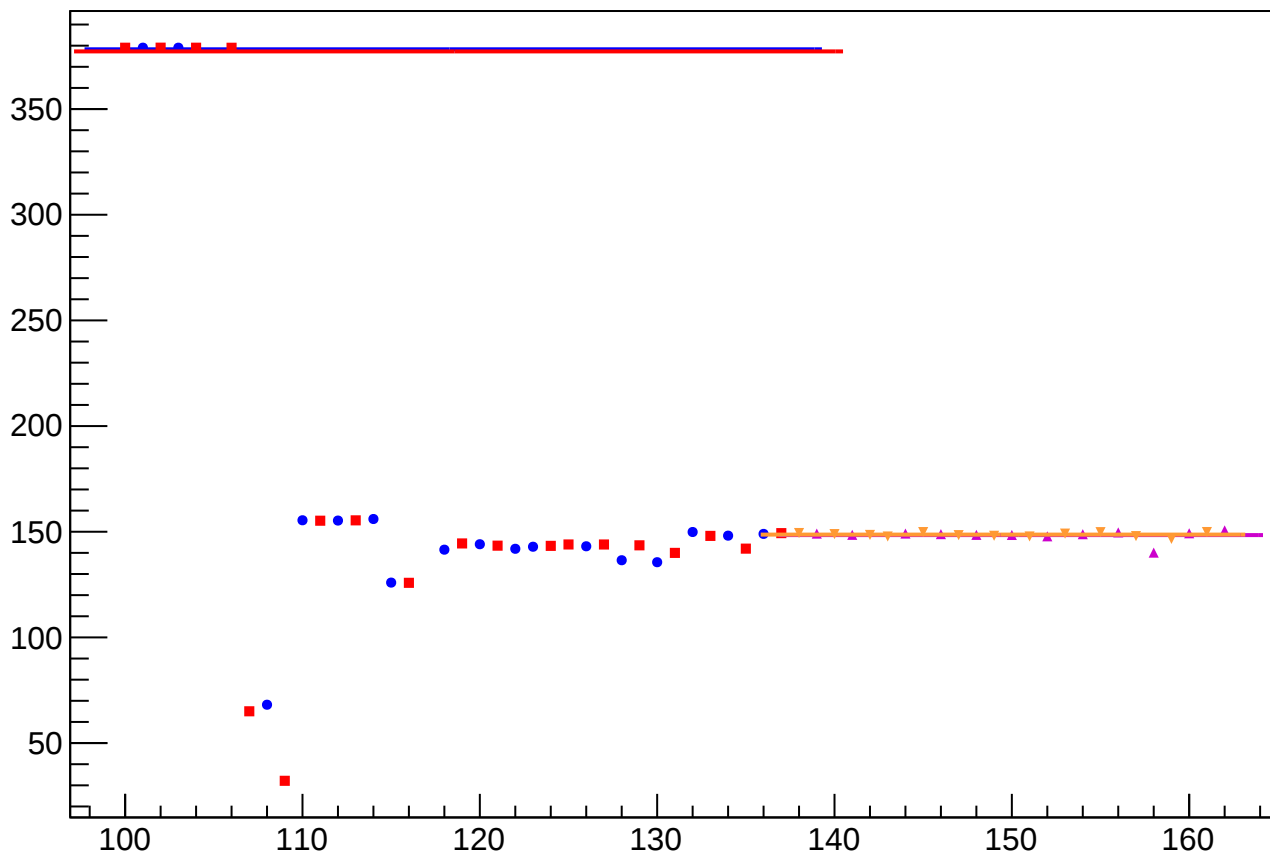
Left In: 0.524 ± 0.000 χ^2/NDF : 219450.8/11

+ sign 0.538 ± 0.000 χ^2/NDF : 3732678.7/29

All: 0.537 ± 0.000 χ^2/NDF : 8663546.3/60

- sign 0.535 ± 0.000 χ^2/NDF : 4930461.4/30

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.648+/-0.000 χ^2/NDF : 43902277.9/12

Right Out: 377.287+/-0.000 χ^2/NDF : 8286303106836.4/18

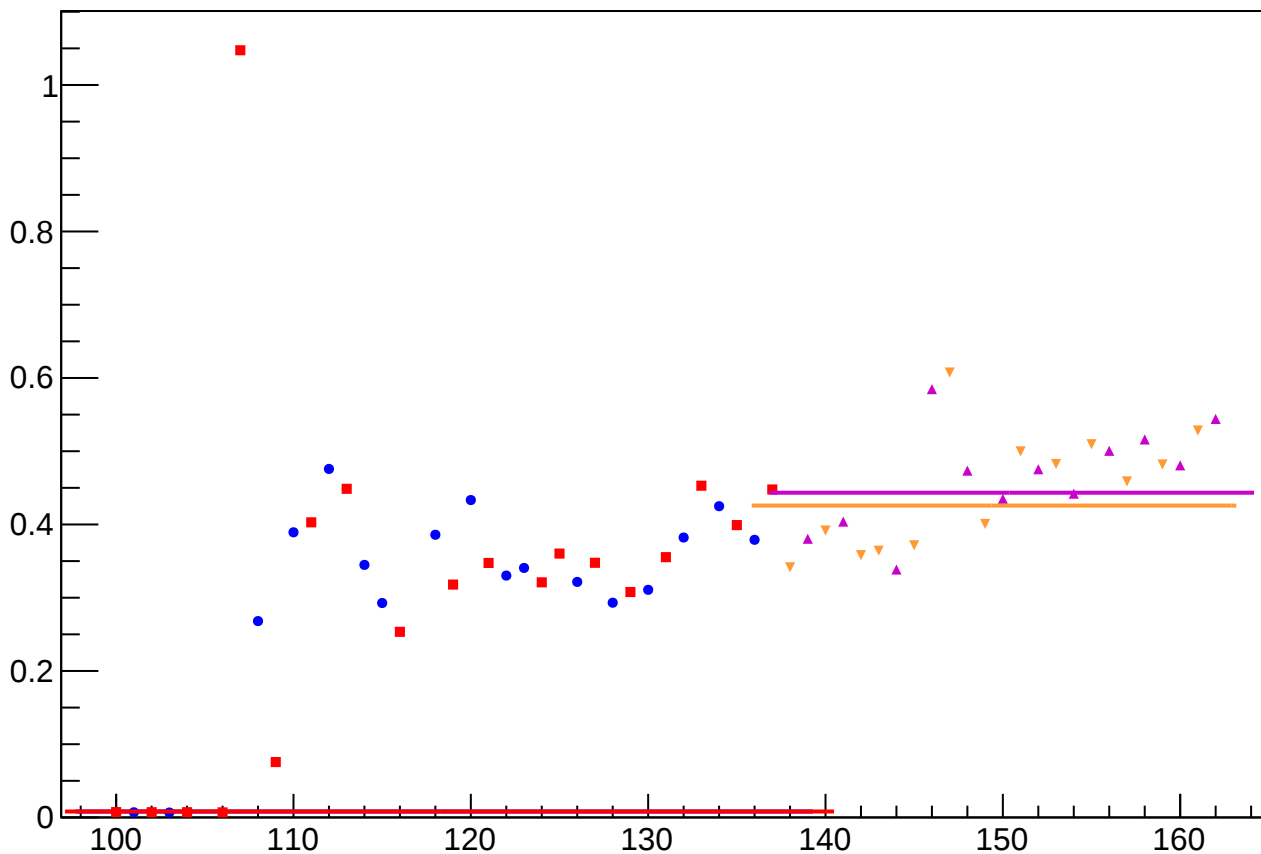
Left In: 148.413+/-0.000 χ^2/NDF : 223870535.8/11

+ sign 377.417+/-0.000 χ^2/NDF : 5155154548642.5

All: 376.973+/-0.000 χ^2/NDF : 158946724445

- sign 376.583+/-0.000 χ^2/NDF : 10734561193124.9

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.426+/-0.000 χ^2/NDF : 518027.2/12

Right Out: 0.008+/-0.000 χ^2/NDF : 9522827.2/18

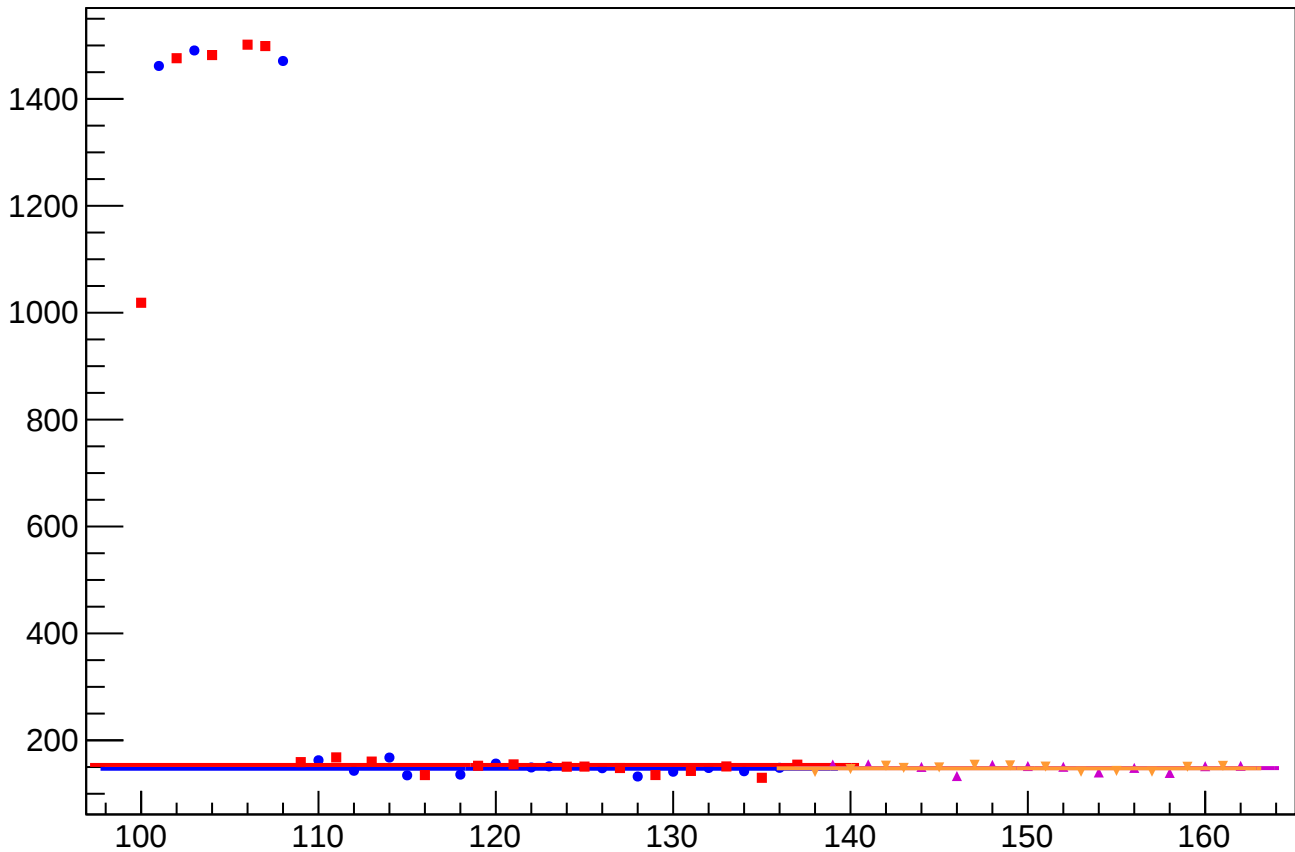
Left In: 0.443+/-0.000 χ^2/NDF : 433239.9/11

+ sign 0.010+/-0.000 χ^2/NDF : 27837952.9/29

All: 0.010+/-0.000 χ^2/NDF : 55497736.8/60

- sign 0.009+/-0.000 χ^2/NDF : 27659157.6/30

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 147.604+/-0.000 χ^2/NDF : 230051788.9/12

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

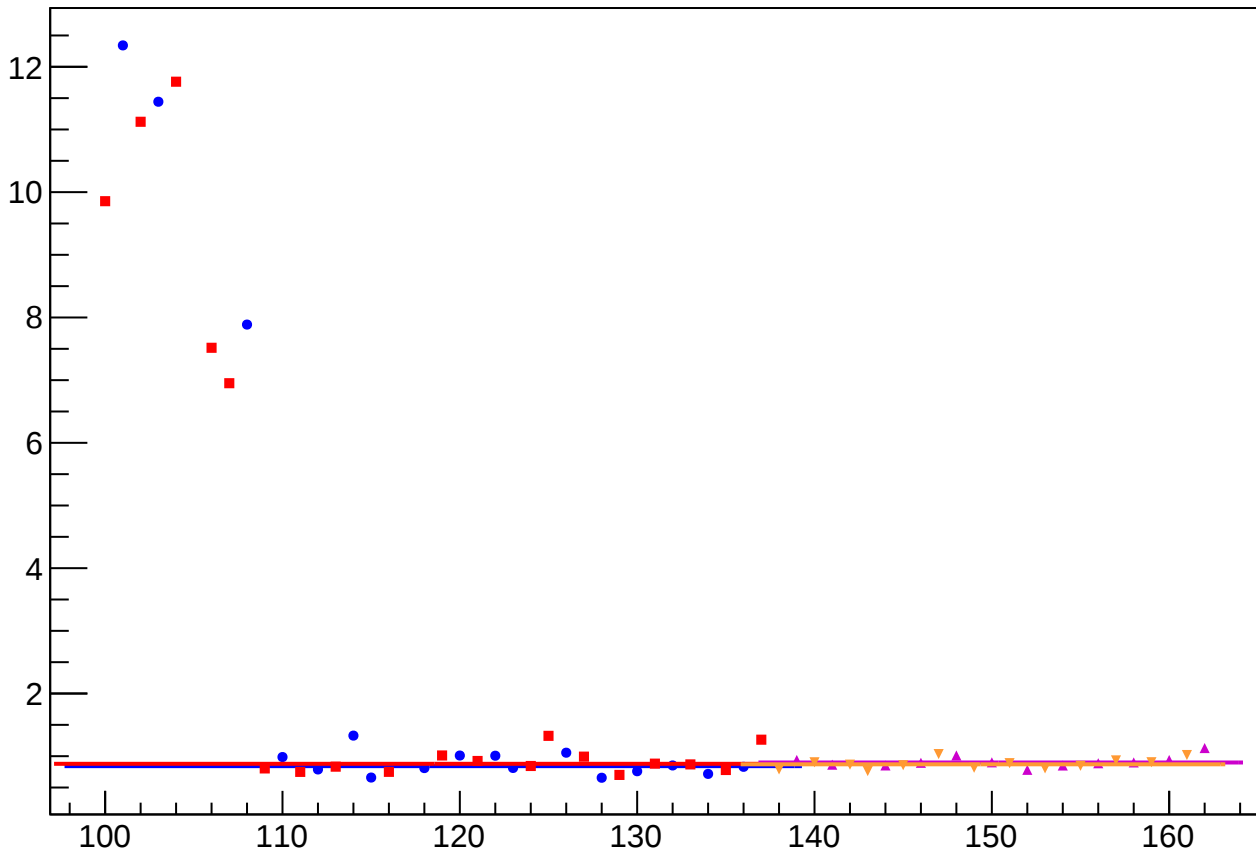
Left In: 148.006+/-0.000 χ^2/NDF : 452064583.6/11

+ sign 147.332+/-0.000 χ^2/NDF : 24592970345.3/29

All: 148.692+/-0.000 χ^2/NDF : 58959057096.0

- sign 150.093+/-0.000 χ^2/NDF : 34308348309.7/30

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.870 ± 0.000 χ^2/NDF : 117099.6/12

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

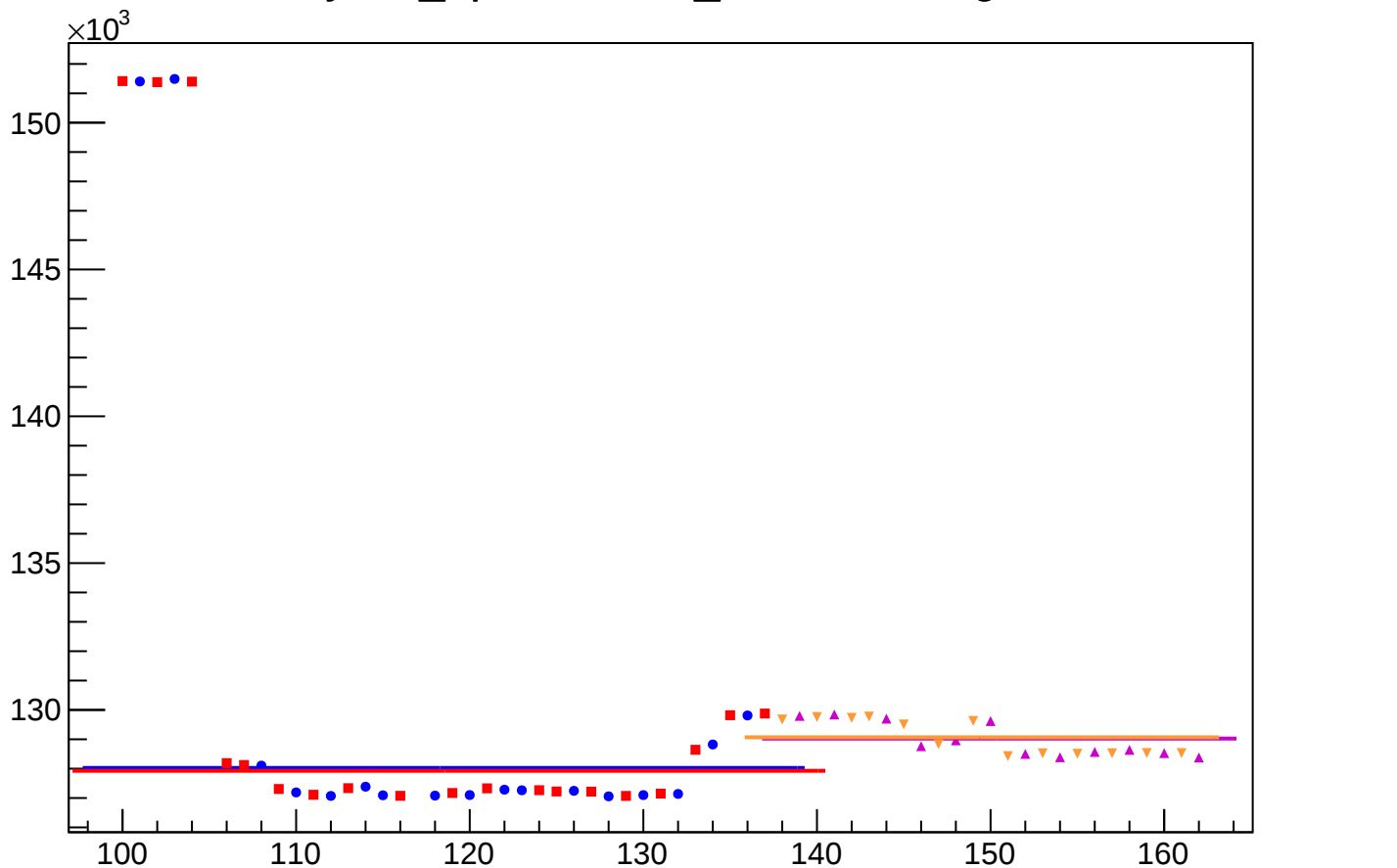
Left In: 0.899 ± 0.000 χ^2/NDF : 116217.8/11

+ sign 0.860 ± 0.000 χ^2/NDF : 2785431.5/29

All: 0.876 ± 0.000 χ^2/NDF : 5734495.0/60

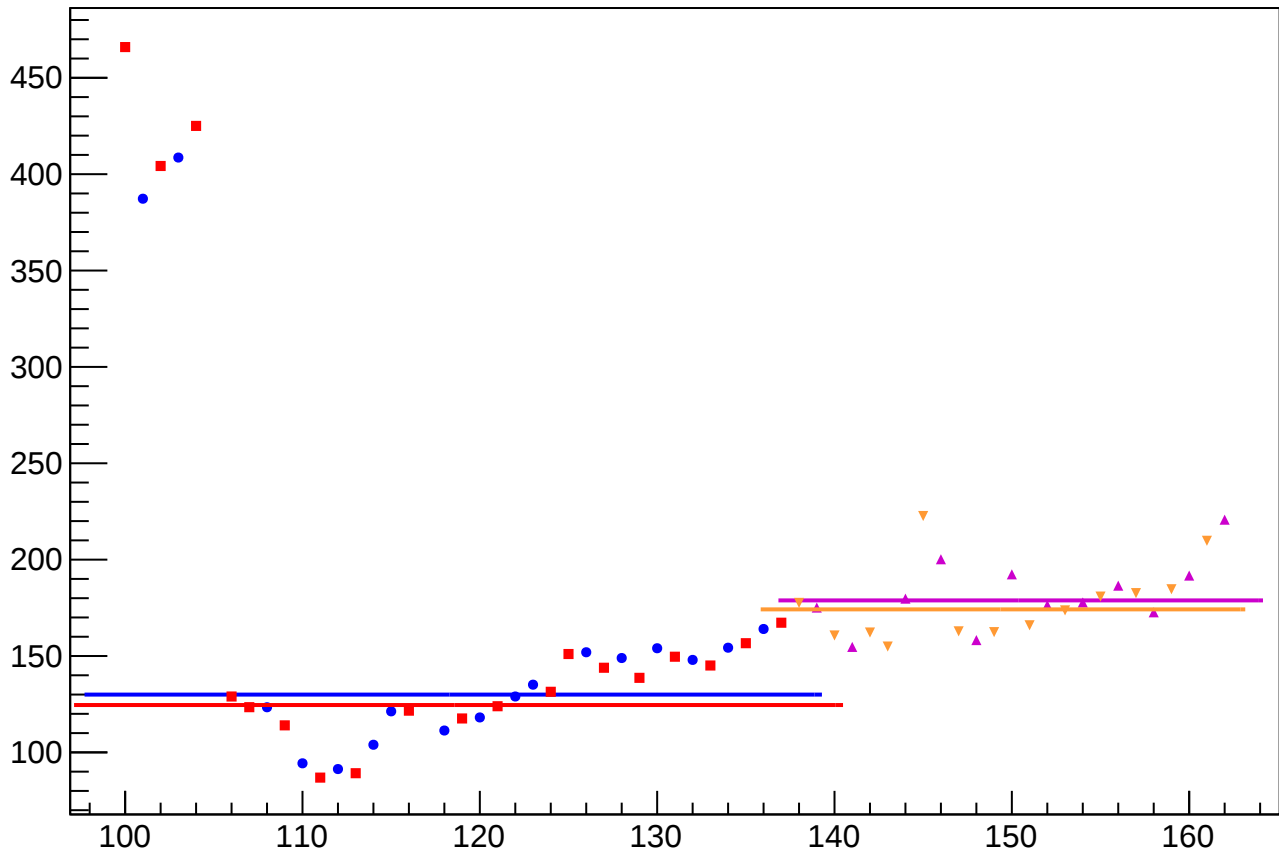
- sign 0.892 ± 0.000 χ^2/NDF : 2933882.5/30

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527+/-0.055	χ^2/NDF : 4316540586.9/16	+ sign 128528.234+/-0.039	χ^2/NDF : 4596843193.1
Left Out: 129067.515+/-0.056	χ^2/NDF : 103157137.7/12	All: 128462.221+/-0.027	χ^2/NDF : 86711625
Right Out: 127927.471+/-0.050	χ^2/NDF : 3767047216.9/18	- sign 128400.197+/-0.038	χ^2/NDF : 4068818292.5
Left In: 129024.093+/-0.058	χ^2/NDF : 97470920.8/11		

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2/NDF : 1485519.5/16

Left Out: 174.196 $\pm$ 0.040 χ^2/NDF : 185152.1/12

Right Out: 124.566 $\pm$ 0.036 χ^2/NDF : 1531273.9/18

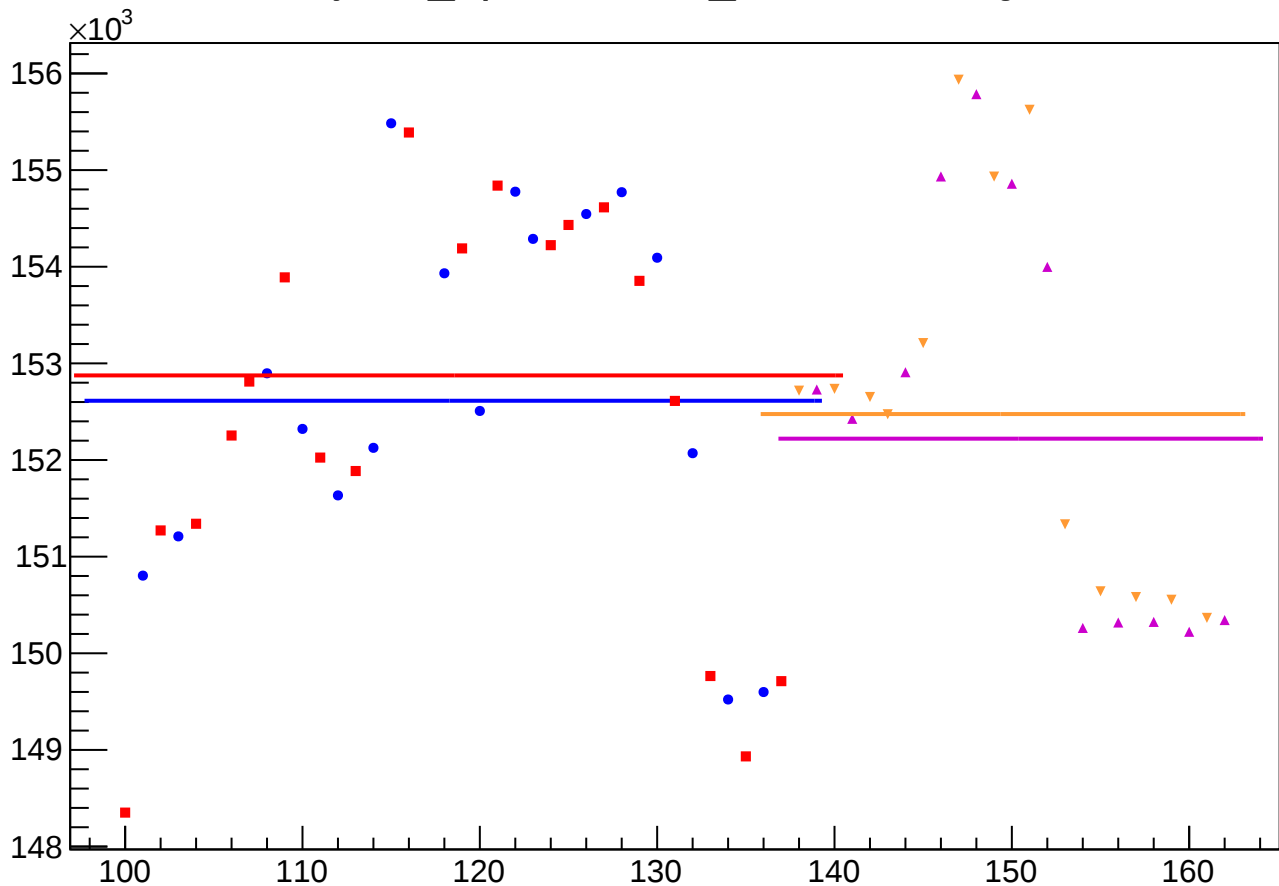
Left In: 178.853 $\pm$ 0.041 χ^2/NDF : 162320.1/11

+ sign 151.355 $\pm$ 0.028 χ^2/NDF : 2306188.9/29

All: 149.609 $\pm$ 0.019 χ^2/NDF : 5008821.1/60

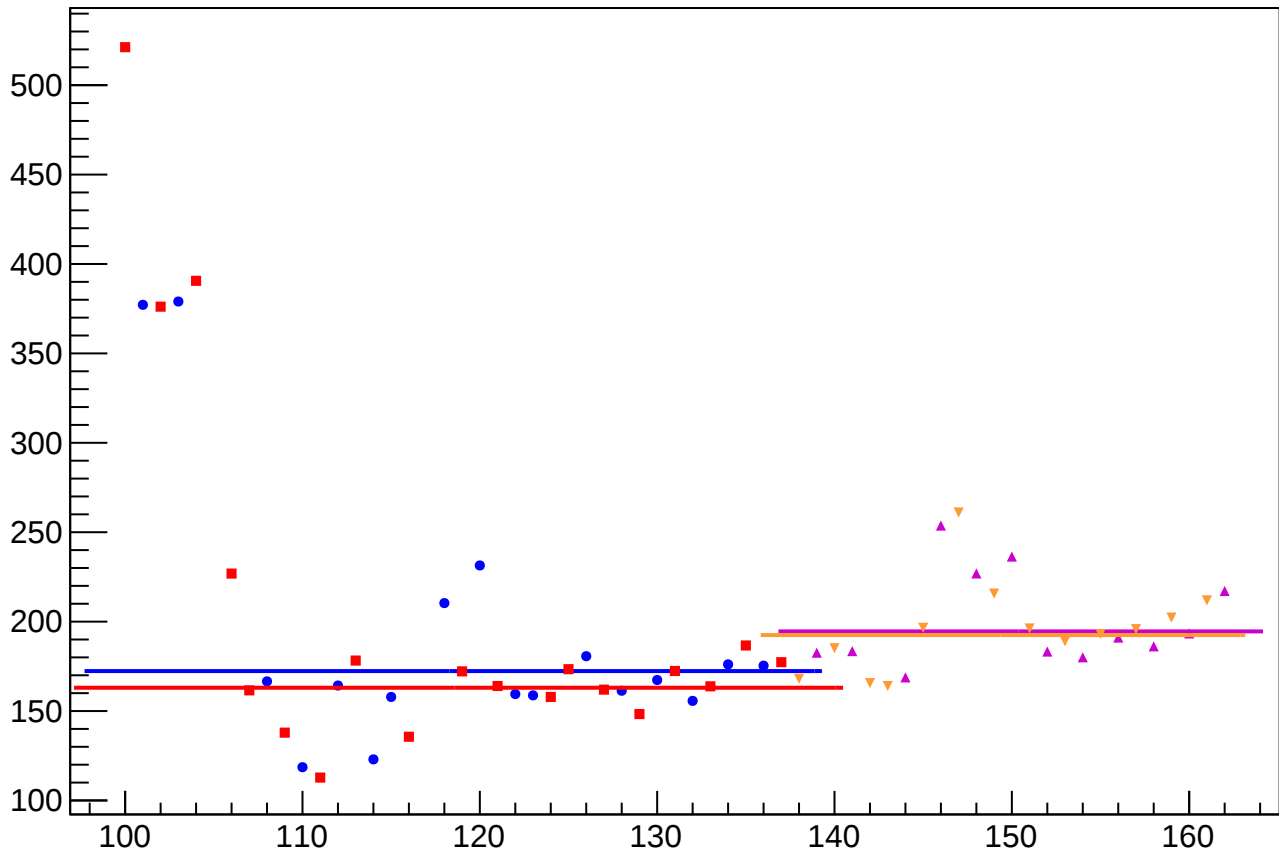
- sign 147.968 $\pm$ 0.027 χ^2/NDF : 2694931.4/30

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072	χ^2 /NDF: 623356098.4/16	+ sign 152534.515 $\pm$ 0.047	χ^2 /NDF: 1404577587.3
Left Out: 152475.537 $\pm$ 0.063	χ^2 /NDF: 779150577.3/12	All: 152533.832 $\pm$ 0.033	χ^2 /NDF: 305742600
Right Out: 152875.313 $\pm$ 0.066	χ^2 /NDF: 716358700.9/18	- sign 152533.195 $\pm$ 0.046	χ^2 /NDF: 1652848071.2/12
Left In: 152220.808 $\pm$ 0.063	χ^2 /NDF: 885389630.7/11		

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 $\chi^2/\text{NDF}: 921911.1/16$

Left Out: 192.481 ± 0.044 $\chi^2/\text{NDF}: 238607.0/12$

Right Out: 163.029 ± 0.047 $\chi^2/\text{NDF}: 1032736.0/18$

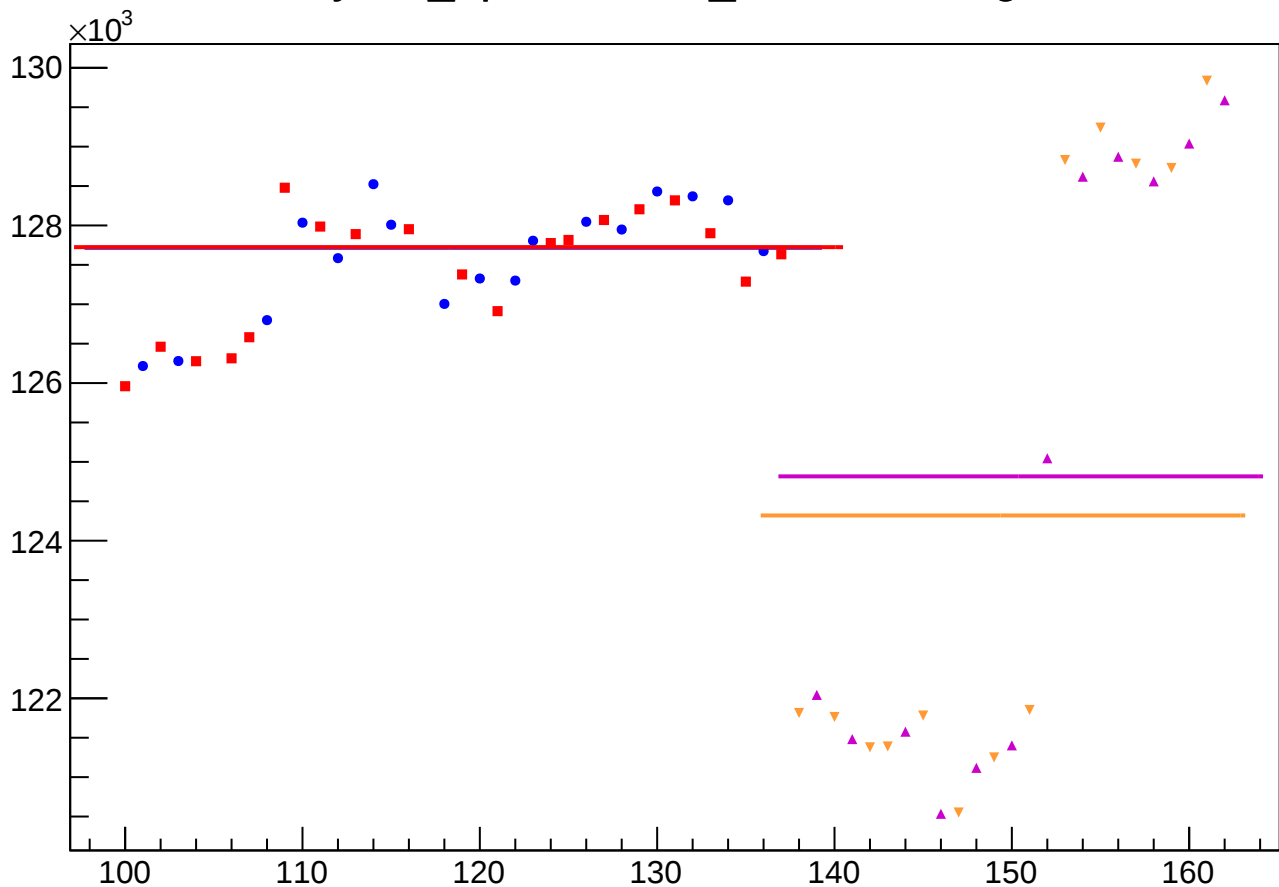
Left In: 194.531 ± 0.045 $\chi^2/\text{NDF}: 259843.9/11$

+ sign 183.852 ± 0.033 $\chi^2/\text{NDF}: 1249177.7/29$

All: 181.600 ± 0.023 $\chi^2/\text{NDF}: 2787263.9/60$

- sign 179.496 ± 0.032 $\chi^2/\text{NDF}: 1529320.5/30$

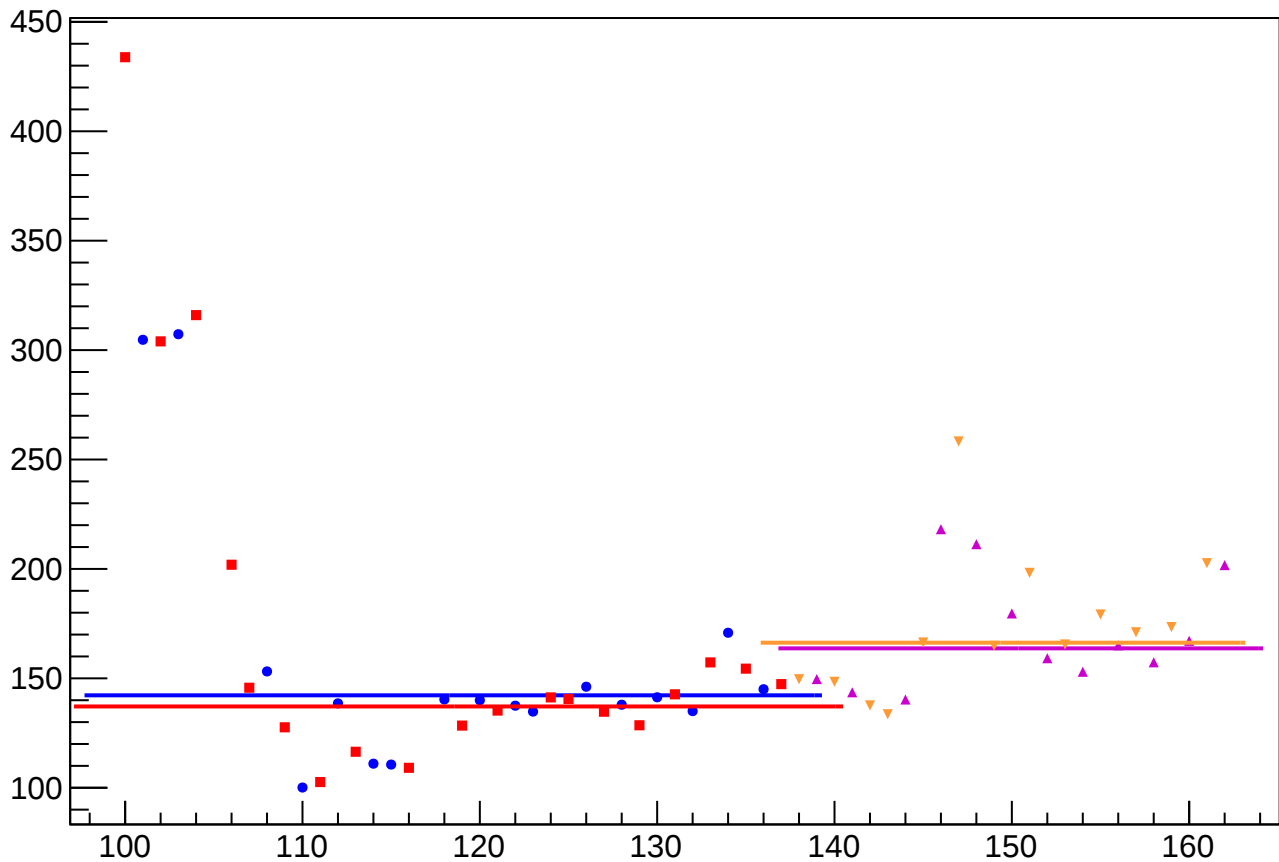
yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 ± 0.058 $\chi^2/\text{NDF}: 95177660.2/16$
 Left Out: 124320.296 ± 0.055 $\chi^2/\text{NDF}: 4410888771.8/12$
 Right Out: 127724.519 ± 0.055 $\chi^2/\text{NDF}: 112550604.4/18$
 Left In: 124816.193 ± 0.054 $\chi^2/\text{NDF}: 4325913004.1/11$

+ sign 125912.540 ± 0.040 $\chi^2/\text{NDF}: 6311681724.0$
 All: 126086.188 ± 0.028 $\chi^2/\text{NDF}: 122334473$
 - sign 126245.542 ± 0.038 $\chi^2/\text{NDF}: 5885443626.1$

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 ± 0.041 χ^2/NDF : 836415.1/16

Left Out: 166.290 ± 0.039 χ^2/NDF : 449875.2/12

Right Out: 137.151 ± 0.039 χ^2/NDF : 957730.8/18

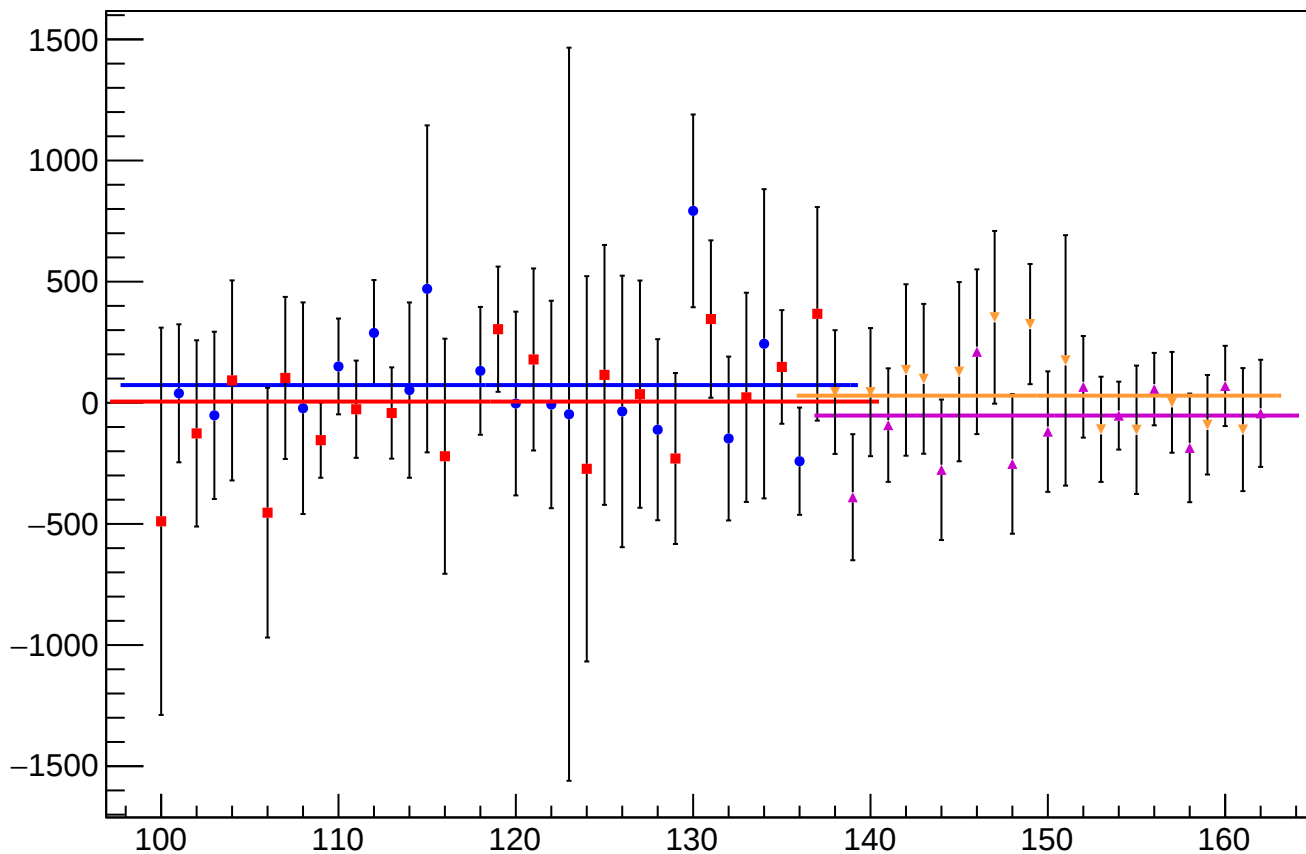
Left In: 163.700 ± 0.038 χ^2/NDF : 347115.4/11

+ sign 155.019 ± 0.028 χ^2/NDF : 1467230.5/29

All: 152.742 ± 0.020 χ^2/NDF : 3025728.2/60

- sign 150.652 ± 0.027 χ^2/NDF : 1546003.7/30

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 29.504+/-74.326 χ^2/NDF : 3.9/12

Right Out: 5.021+/-70.098 χ^2/NDF : 7.1/18

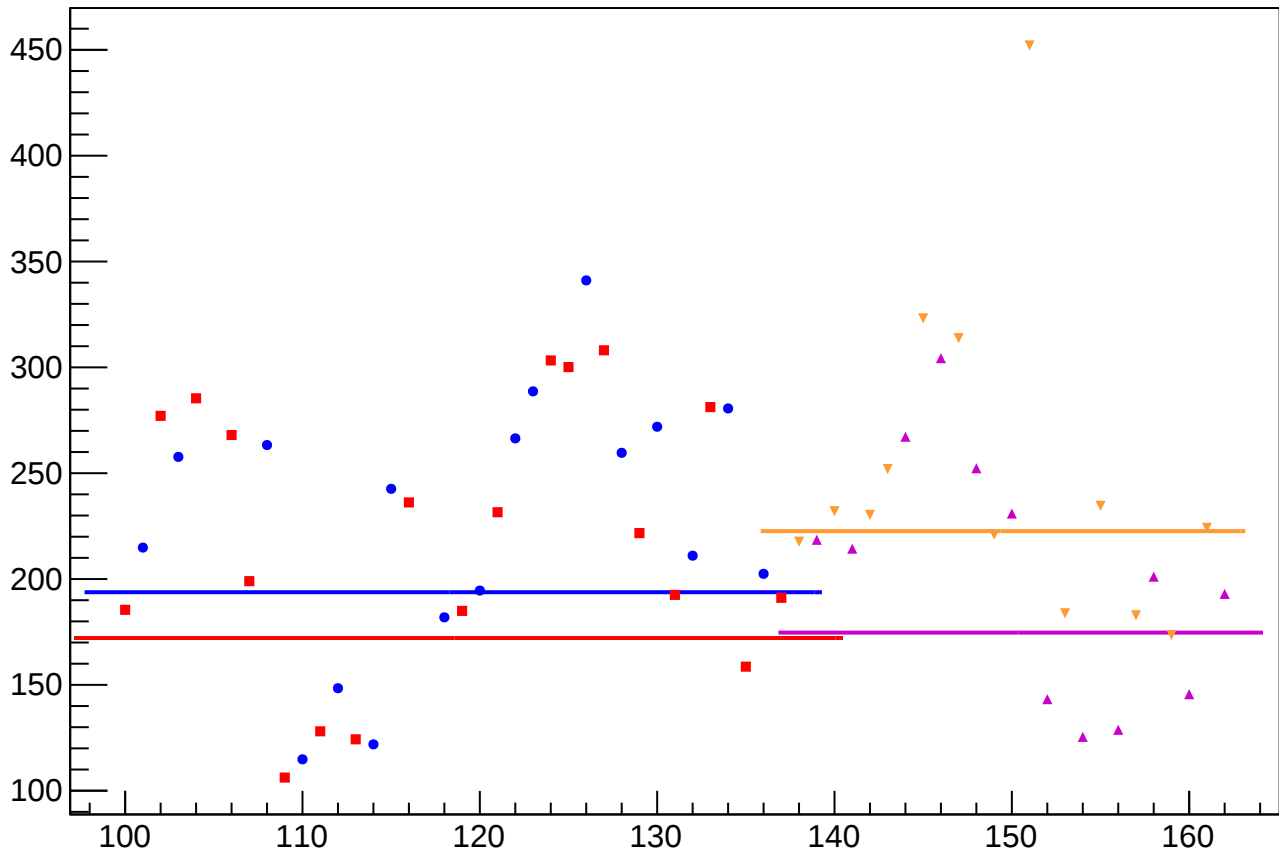
Left In: -52.697+/-60.104 χ^2/NDF : 5.2/11

+ sign 49.813+/-54.326 χ^2/NDF : 11.9/29

All: 4.043+/-34.940 χ^2/NDF : 25.8/60

- sign -28.243+/-45.628 χ^2/NDF : 12.7/30

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 222.631+/-0.053 χ^2/NDF : 950393.4/12

Right Out: 172.142+/-0.050 χ^2/NDF : 1580035.1/18

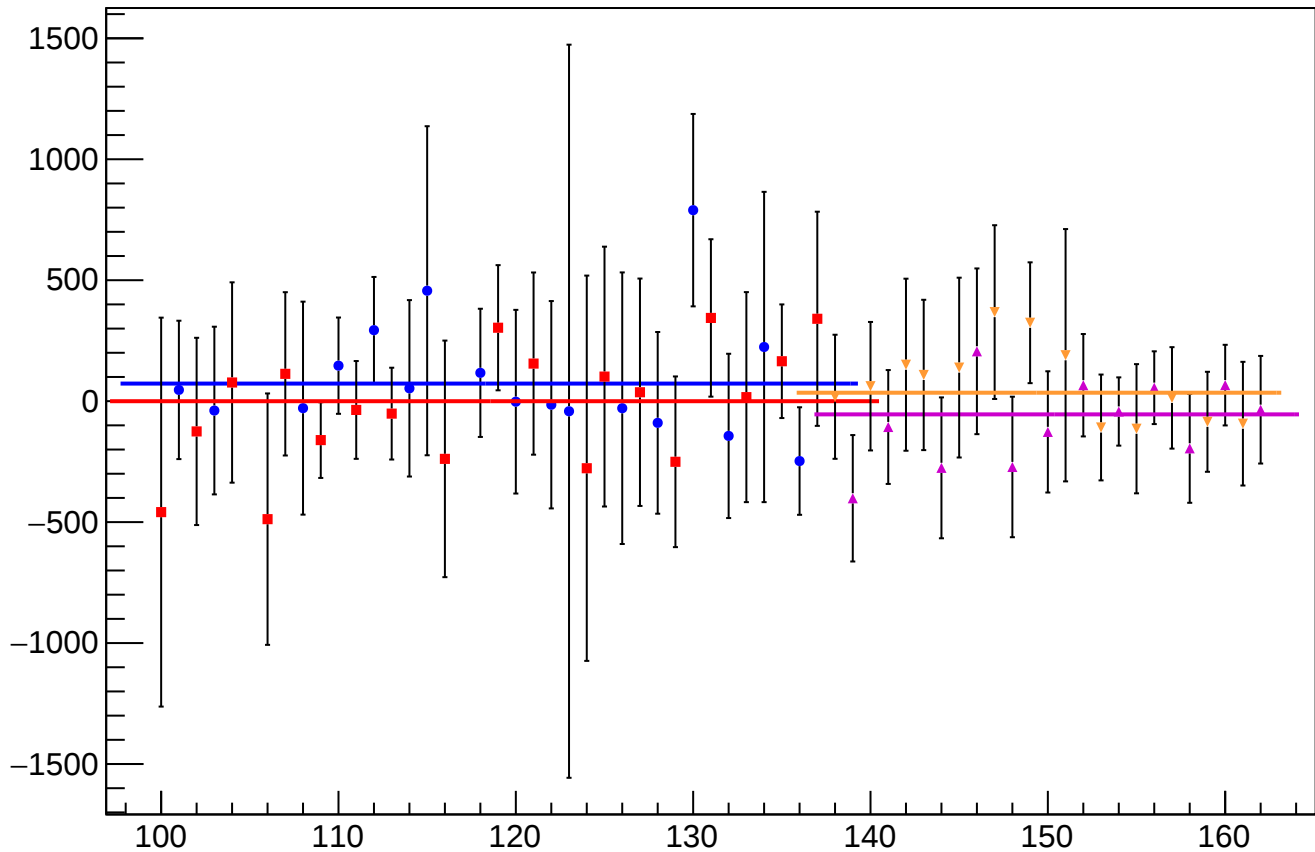
Left In: 174.699+/-0.042 χ^2/NDF : 1439367.7/11

+ sign 209.190+/-0.038 χ^2/NDF : 2107905.2/29

All: 188.330+/-0.025 χ^2/NDF : 5631724.1/60

- sign 173.615+/-0.032 χ^2/NDF : 3020936.1/30

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 34.911+/-74.803 χ^2/NDF : 3.9/12

Right Out: -0.181+/-70.467 χ^2/NDF : 7.3/18

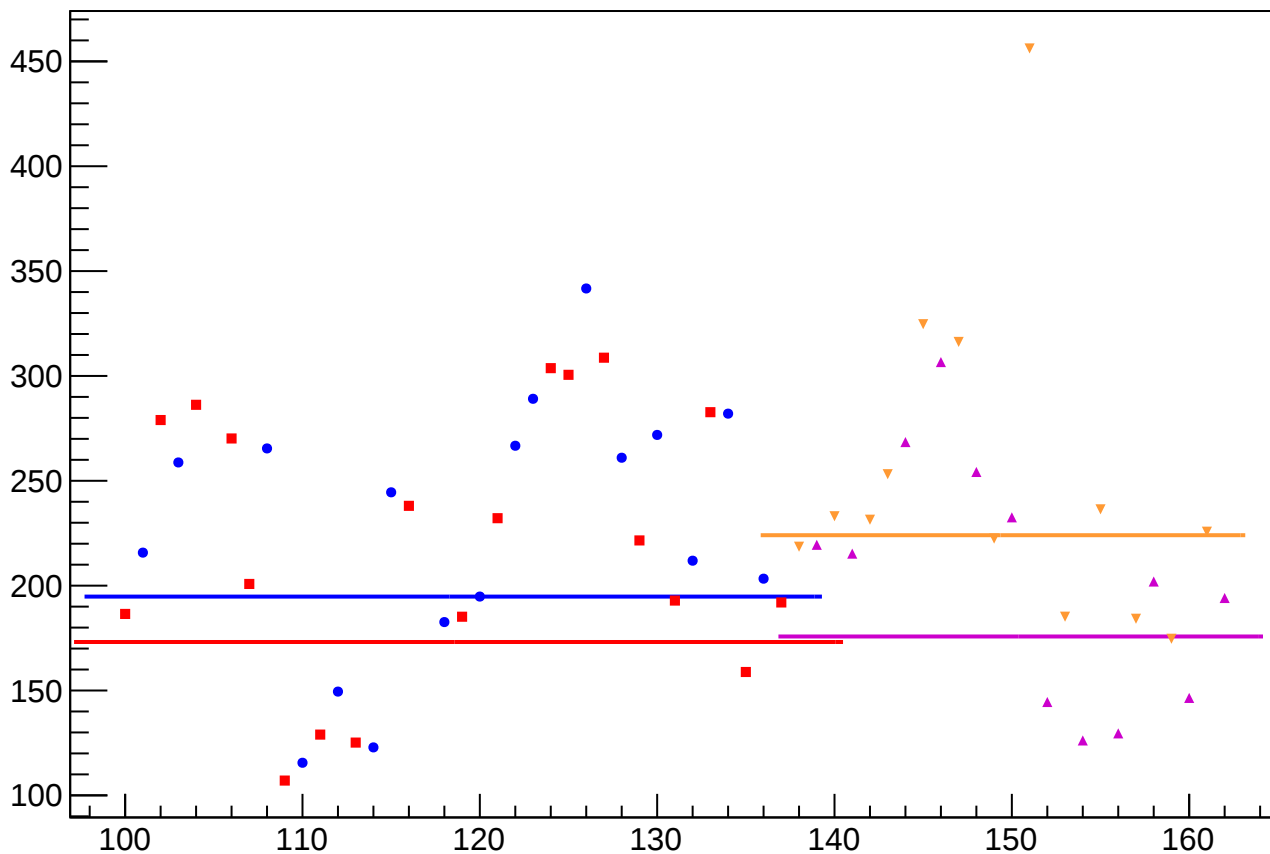
Left In: -54.618+/-60.469 χ^2/NDF : 5.4/11

+ sign 52.529+/-54.636 χ^2/NDF : 11.8/29

All: 3.239+/-35.139 χ^2/NDF : 26.2/60

- sign -31.532+/-45.889 χ^2/NDF : 13.0/30

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 224.054 $\pm$ 0.053 χ^2 /NDF:949922.6/12

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

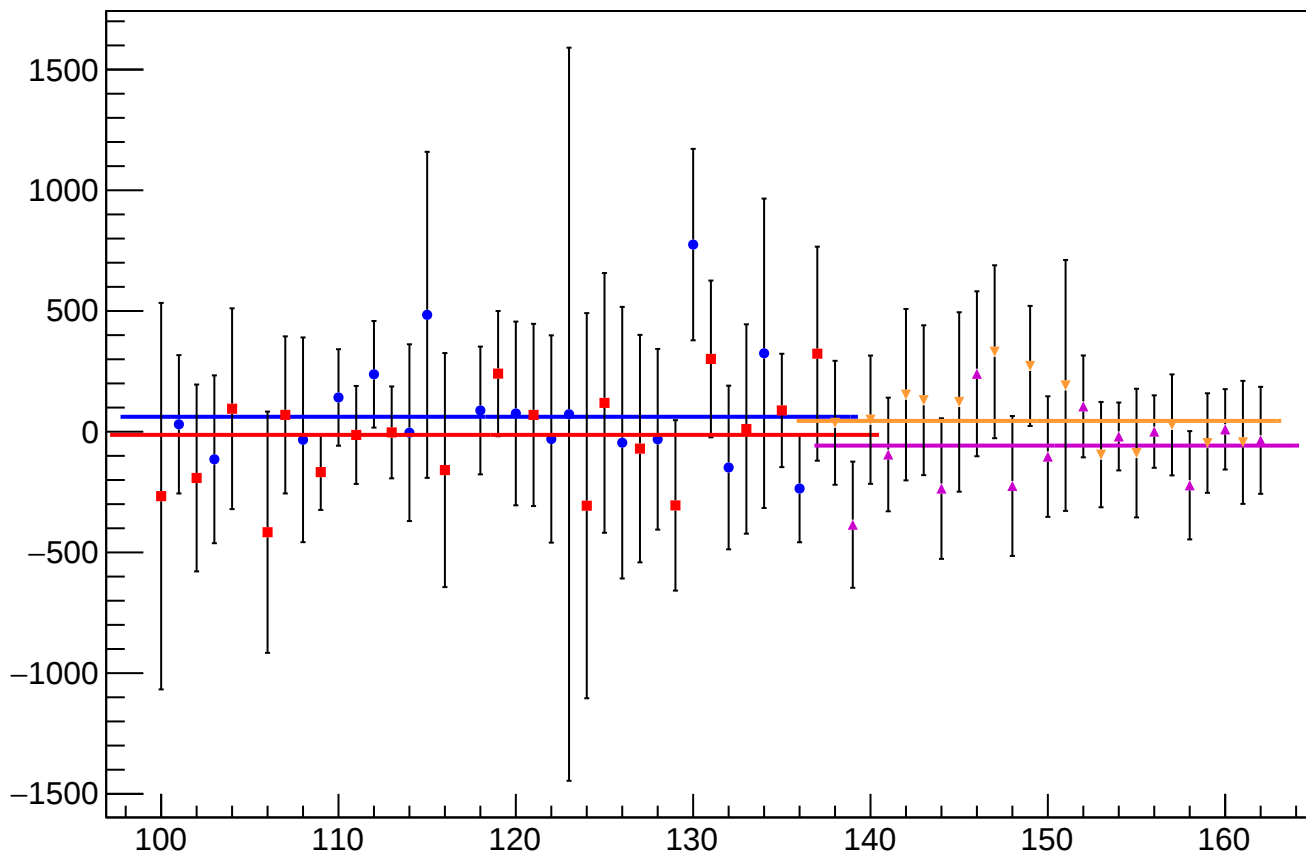
Left In: 175.760 $\pm$ 0.043 χ^2 /NDF:1437318.4/11

+ sign 210.398 $\pm$ 0.039 χ^2 /NDF: 2101090.1/29

All: 189.434 $\pm$ 0.025 χ^2 /NDF: 5609741.3/60

- sign 174.645 $\pm$ 0.032 χ^2 /NDF: 3006477.6/30

asym_bcm_an_us_mean vs Slug



Right In: 61.814 ± 79.986 χ^2/NDF : 7.3/16

Left Out: 44.825 ± 74.647 χ^2/NDF : 2.8/12

Right Out: -13.101 ± 70.391 χ^2/NDF : 5.8/18

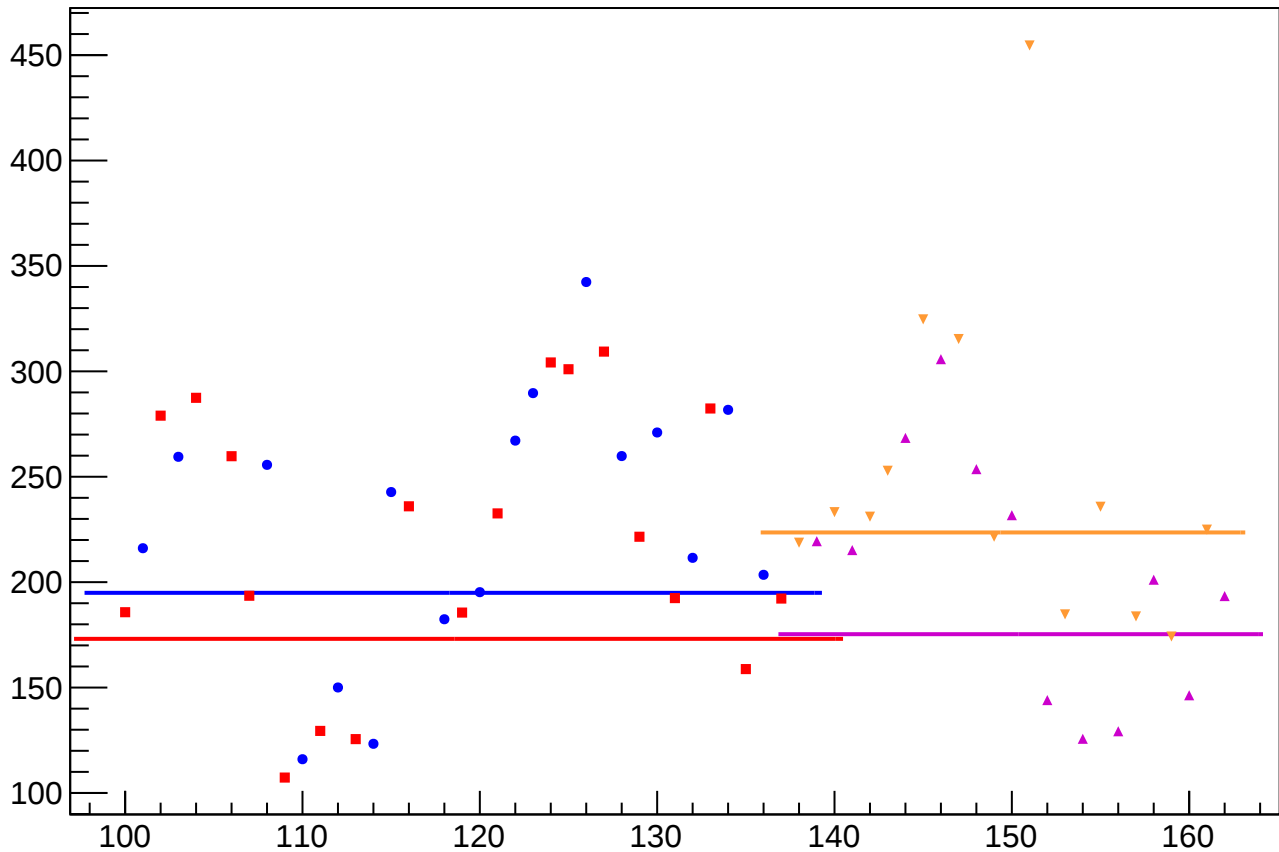
Left In: -57.487 ± 60.322 χ^2/NDF : 4.6/11

+ sign 52.734 ± 54.573 χ^2/NDF : 10.1/29

All: -0.906 ± 35.084 χ^2/NDF : 22.3/60

- sign -38.693 ± 45.804 χ^2/NDF : 10.6/30

asym_bcm_an_us_rms vs Slug



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 223.579 $\pm$ 0.053 χ^2 /NDF:951446.7/12

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

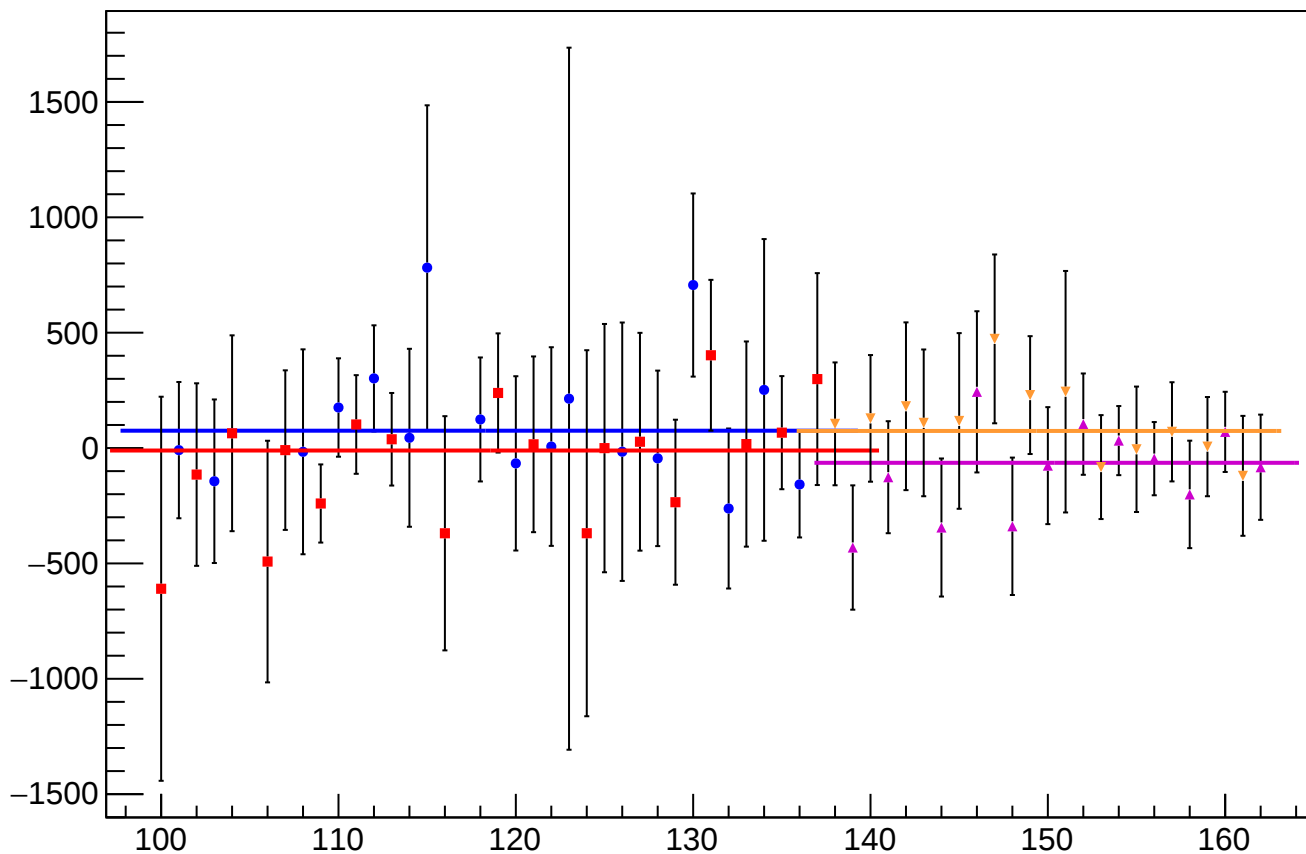
Left In: 175.320 $\pm$ 0.043 χ^2 /NDF:1440748.8/11

+ sign 210.247 $\pm$ 0.039 χ^2 /NDF: 2075125.7/29

All: 189.206 $\pm$ 0.025 χ^2 /NDF: 5568457.0/60

- sign 174.384 $\pm$ 0.032 χ^2 /NDF: 2986610.8/30

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 74.137 $\pm$ 76.800 χ^2 /NDF: 3.1/12

Right Out: -10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

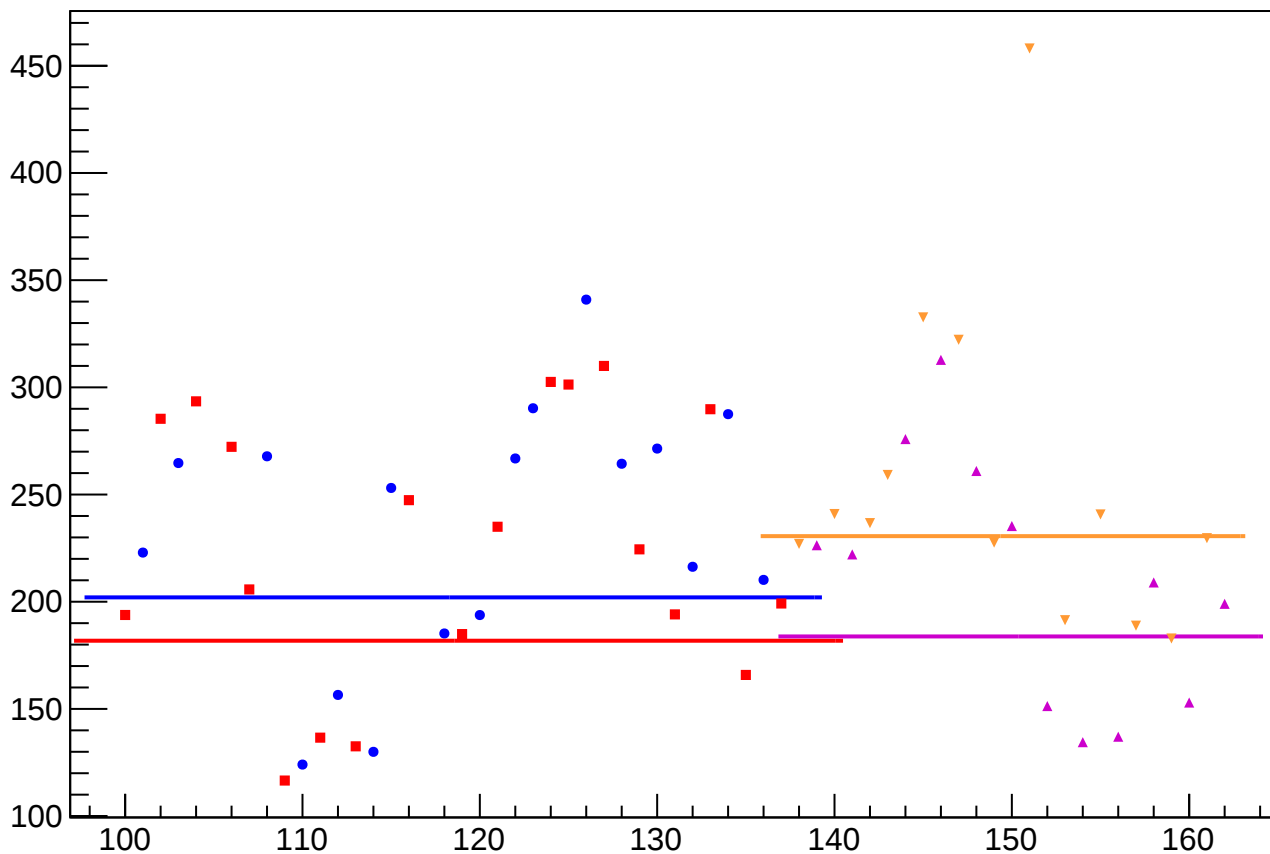
Left In: -63.930 $\pm$ 62.894 χ^2 /NDF: 6.4/11

+ sign 74.633 $\pm$ 56.214 χ^2 /NDF: 10.7/29

All: 7.245 $\pm$ 36.389 χ^2 /NDF: 27.7/60

- sign -41.361 $\pm$ 47.742 χ^2 /NDF: 14.5/30

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 230.594 $\pm$ 0.054 χ^2 /NDF: 904693.5/12

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

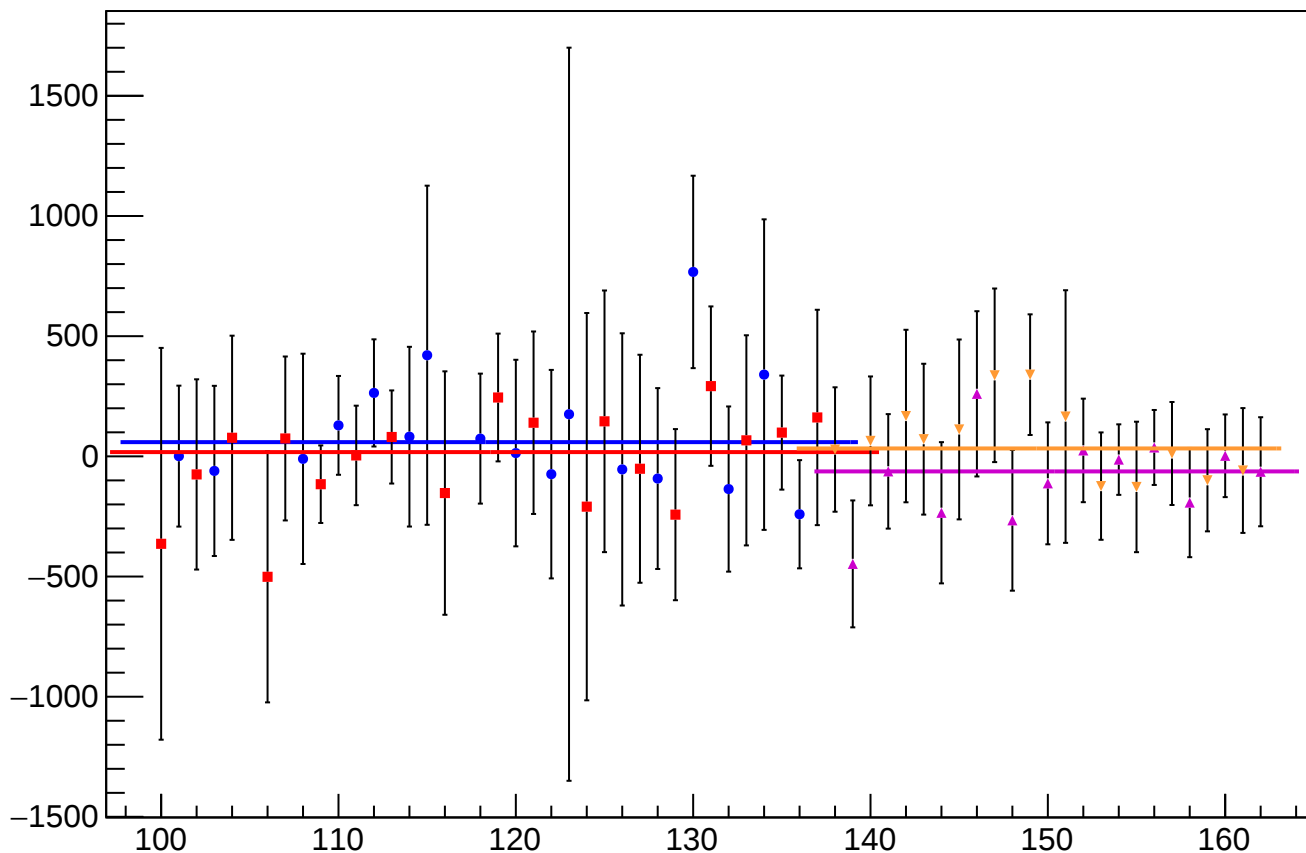
Left In: 183.805 $\pm$ 0.044 χ^2 /NDF: 1308532.1/11

+ sign 217.333 $\pm$ 0.040 χ^2 /NDF: 1914749.7/29

All: 197.364 $\pm$ 0.026 χ^2 /NDF: 5036099.8/60

- sign 182.960 $\pm$ 0.034 χ^2 /NDF: 2686921.3/30

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 32.905+/-75.932 χ^2/NDF : 3.8/12

Right Out: 17.727+/-71.900 χ^2/NDF : 4.7/18

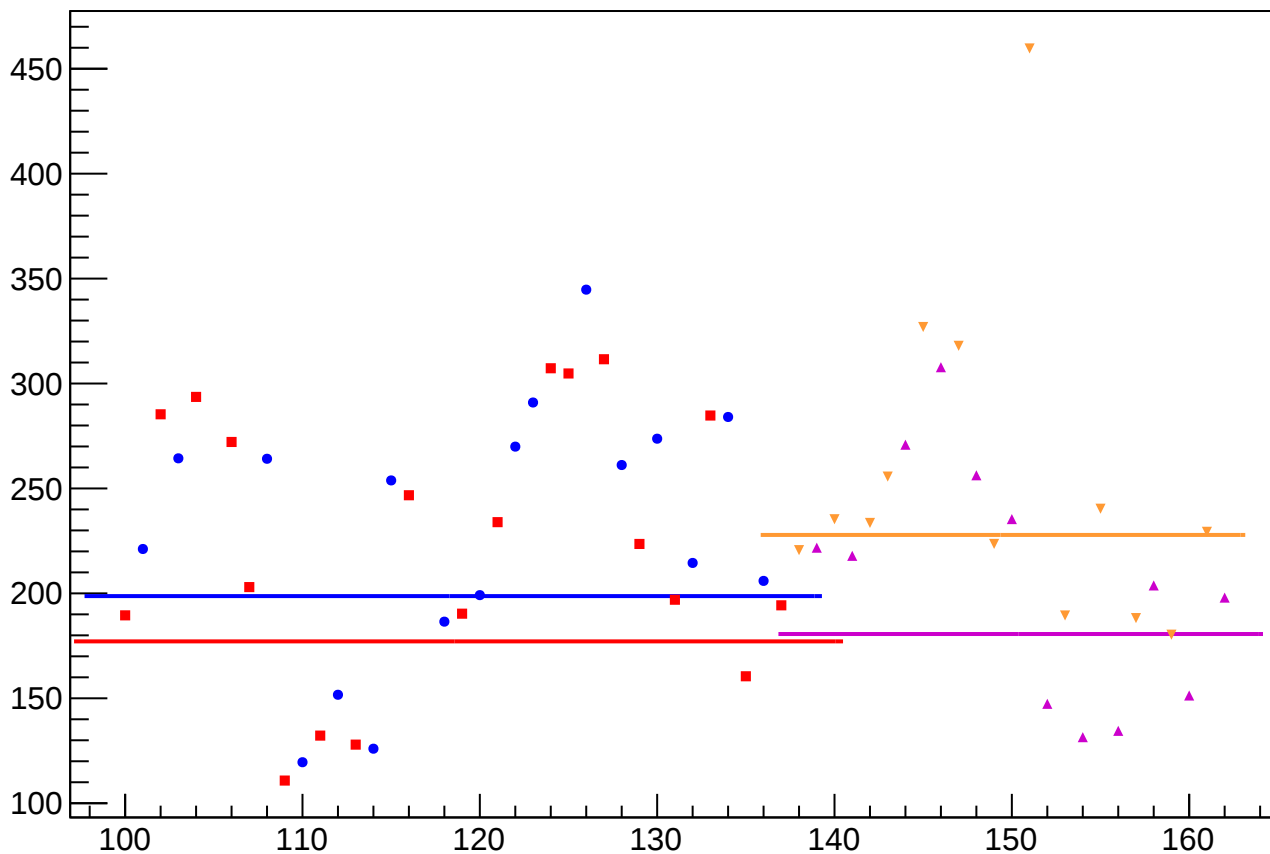
Left In: -62.645+/-61.901 χ^2/NDF : 5.0/11

+ sign 45.125+/-55.530 χ^2/NDF : 11.0/29

All: 2.202+/-35.835 χ^2/NDF : 22.5/60

- sign -28.432+/-46.911 χ^2/NDF : 10.4/30

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 227.848 $\pm$ 0.054 χ^2 /NDF: 905695.3/12

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

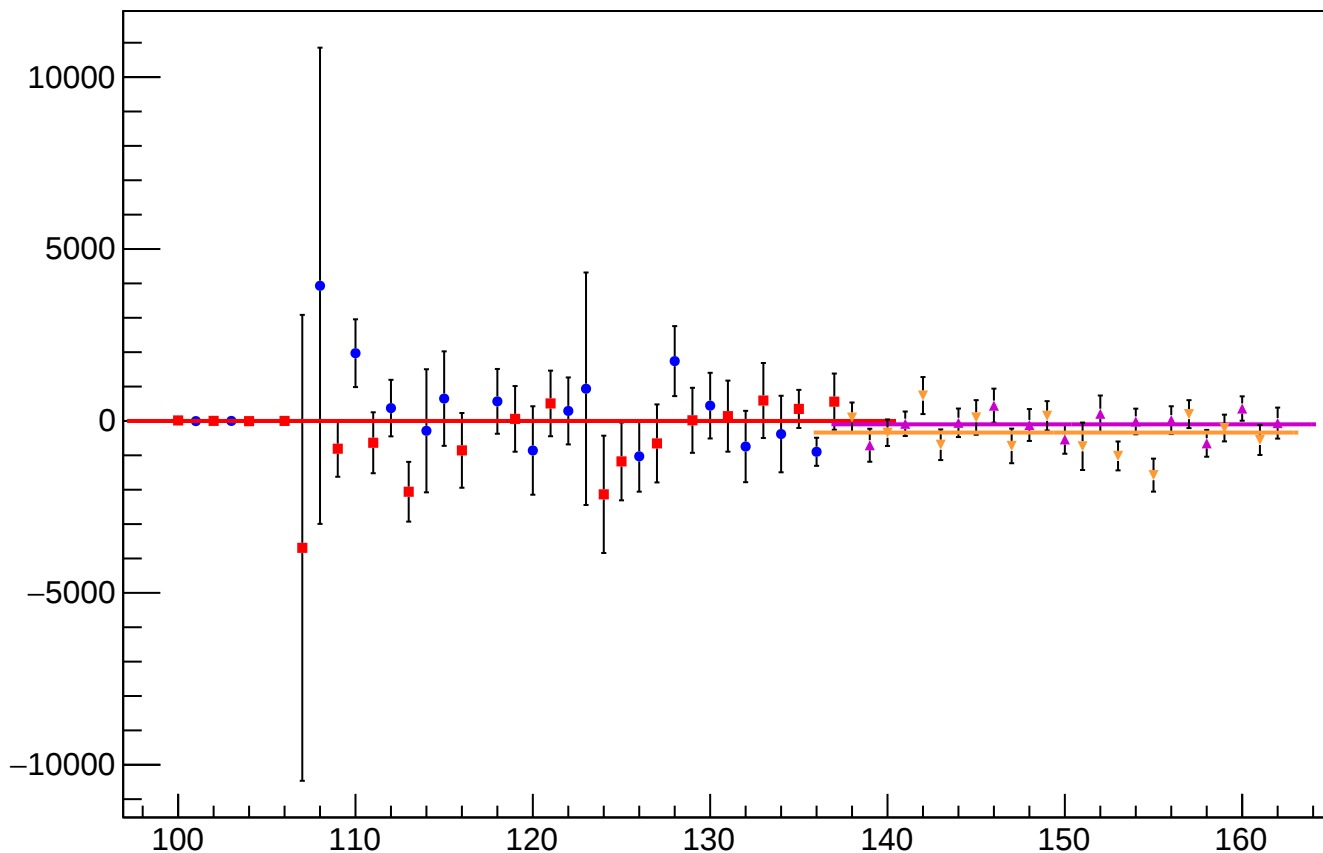
Left In: 180.636 $\pm$ 0.044 χ^2 /NDF: 1324157.1/11

+ sign 214.290 $\pm$ 0.039 χ^2 /NDF: 2006147.5/29

All: 193.779 $\pm$ 0.025 χ^2 /NDF: 5325538.4/60

- sign 179.141 $\pm$ 0.033 χ^2 /NDF: 2851786.0/30

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -338.063 ± 125.199 χ^2/NDF : 20.0/12

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.4/18

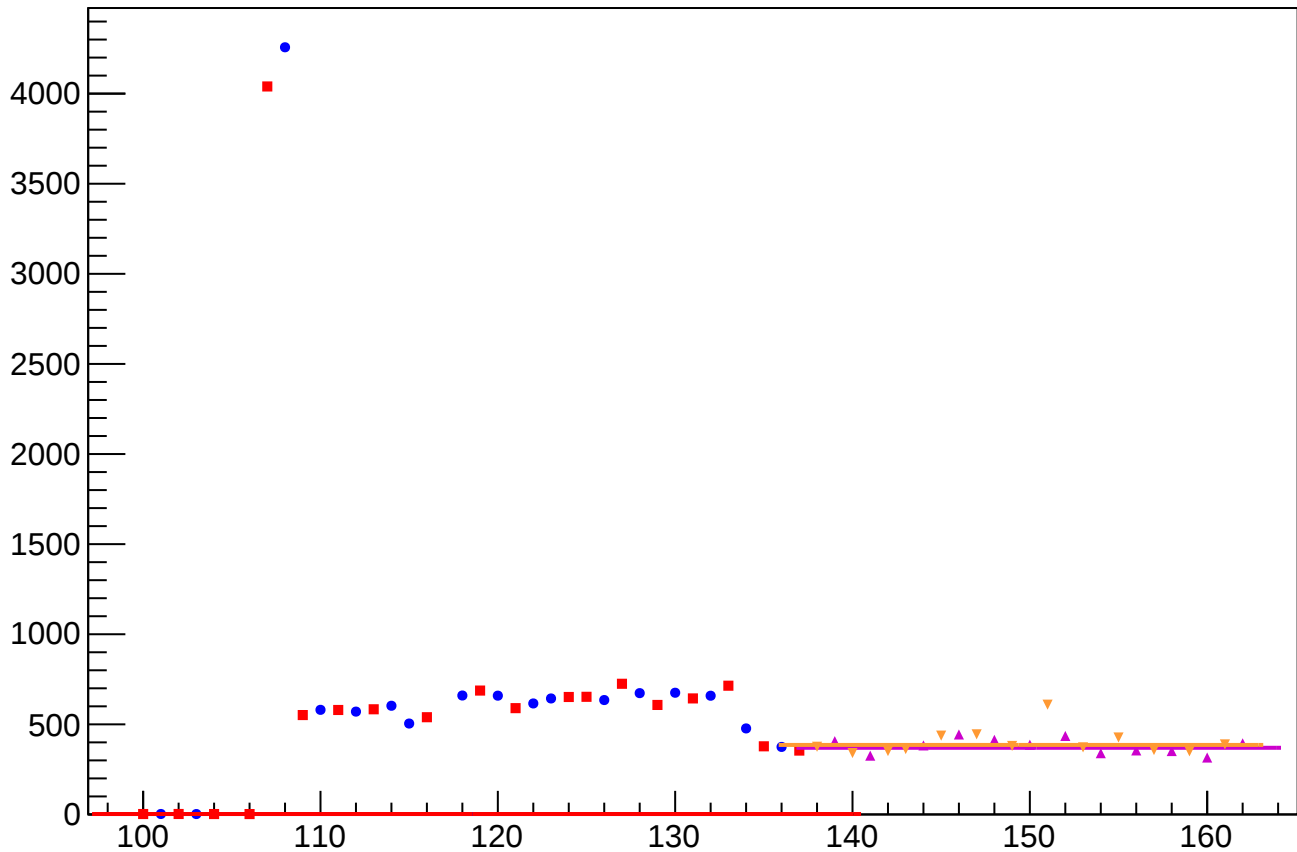
Left In: -98.596 ± 120.552 χ^2/NDF : 8.1/11

+ sign -1.638 ± 2.251 χ^2/NDF : 43.9/29

All: -1.171 ± 1.540 χ^2/NDF : 71.1/60

- sign -0.762 ± 2.111 χ^2/NDF : 27.1/30

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 385.786+/-0.089 χ^2/NDF : 343429.6/12

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

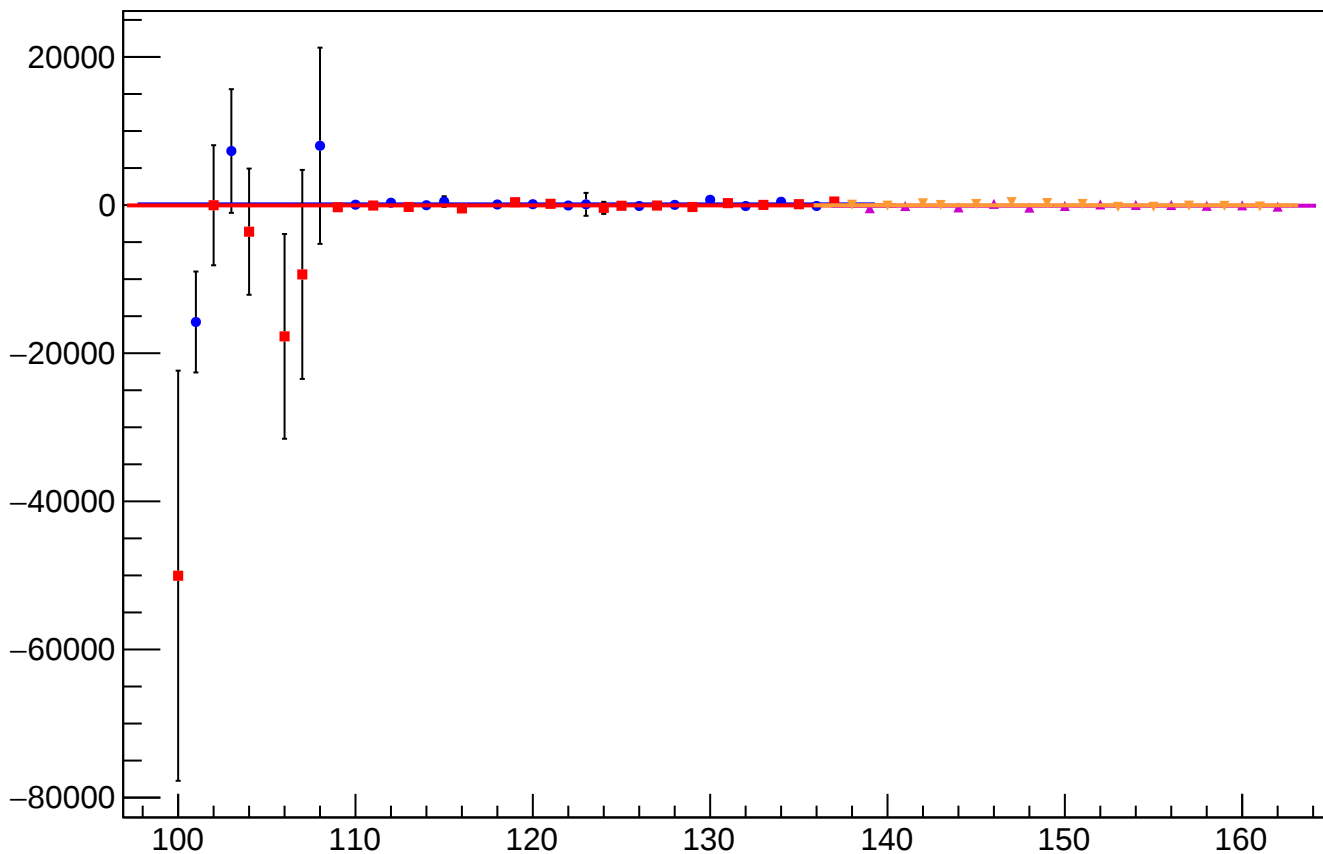
Left In: 369.960+/-0.085 χ^2/NDF : 212930.7/11

+ sign 2.580+/-0.002 χ^2/NDF : 29792597.0/29

All: 2.564+/-0.001 χ^2/NDF : 59729027.0/60

- sign 2.549+/-0.001 χ^2/NDF : 29936231.8/30

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -26.120+/-80.829 χ^2/NDF : 5.1/12

Right Out: -42.617+/-84.547 χ^2/NDF : 14.0/18

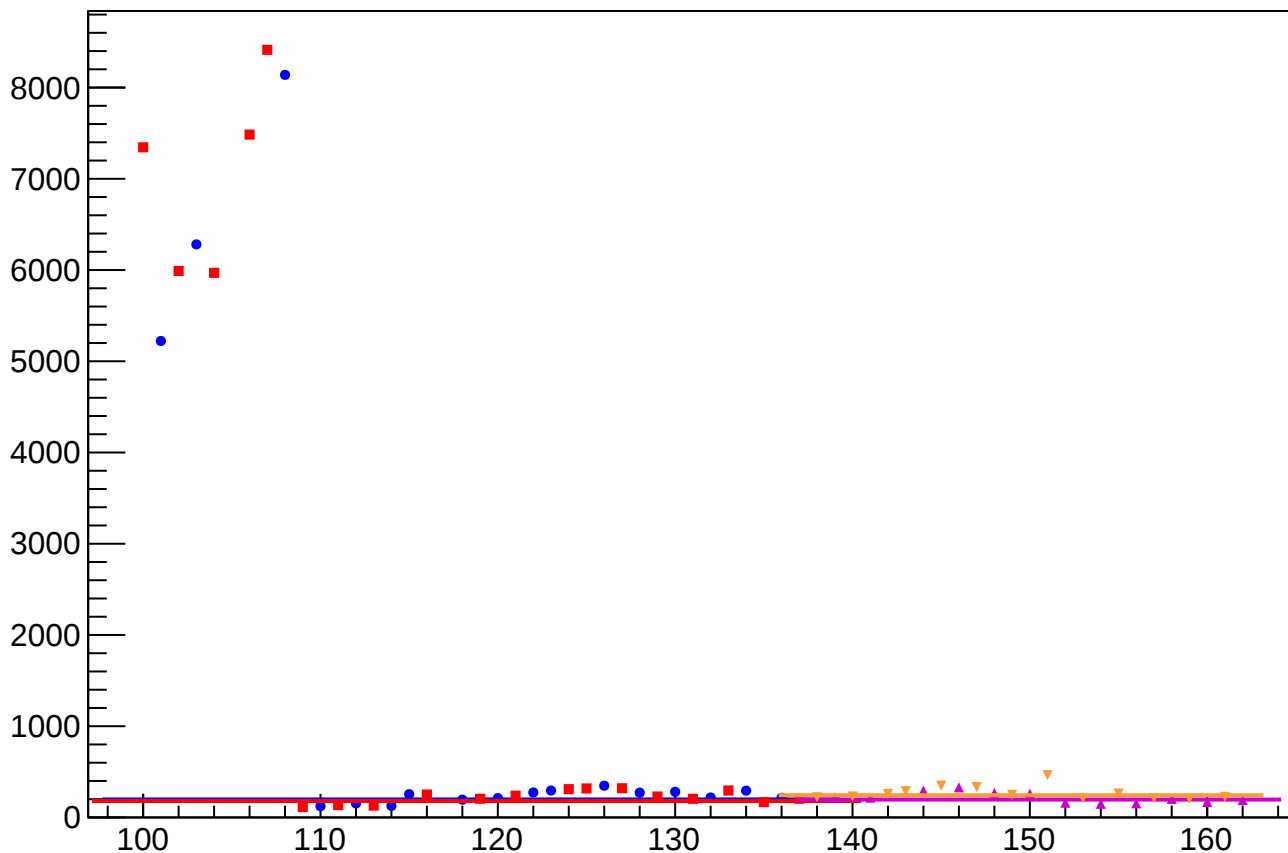
Left In: -84.971+/-66.500 χ^2/NDF : 5.0/11

+ sign 26.988+/-60.638 χ^2/NDF : 18.1/29

All: -27.958+/-39.591 χ^2/NDF : 38.7/60

- sign -68.783+/-52.269 χ^2/NDF : 19.2/30

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 243.672+/-0.057 χ^2/NDF : 817954.2/12

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

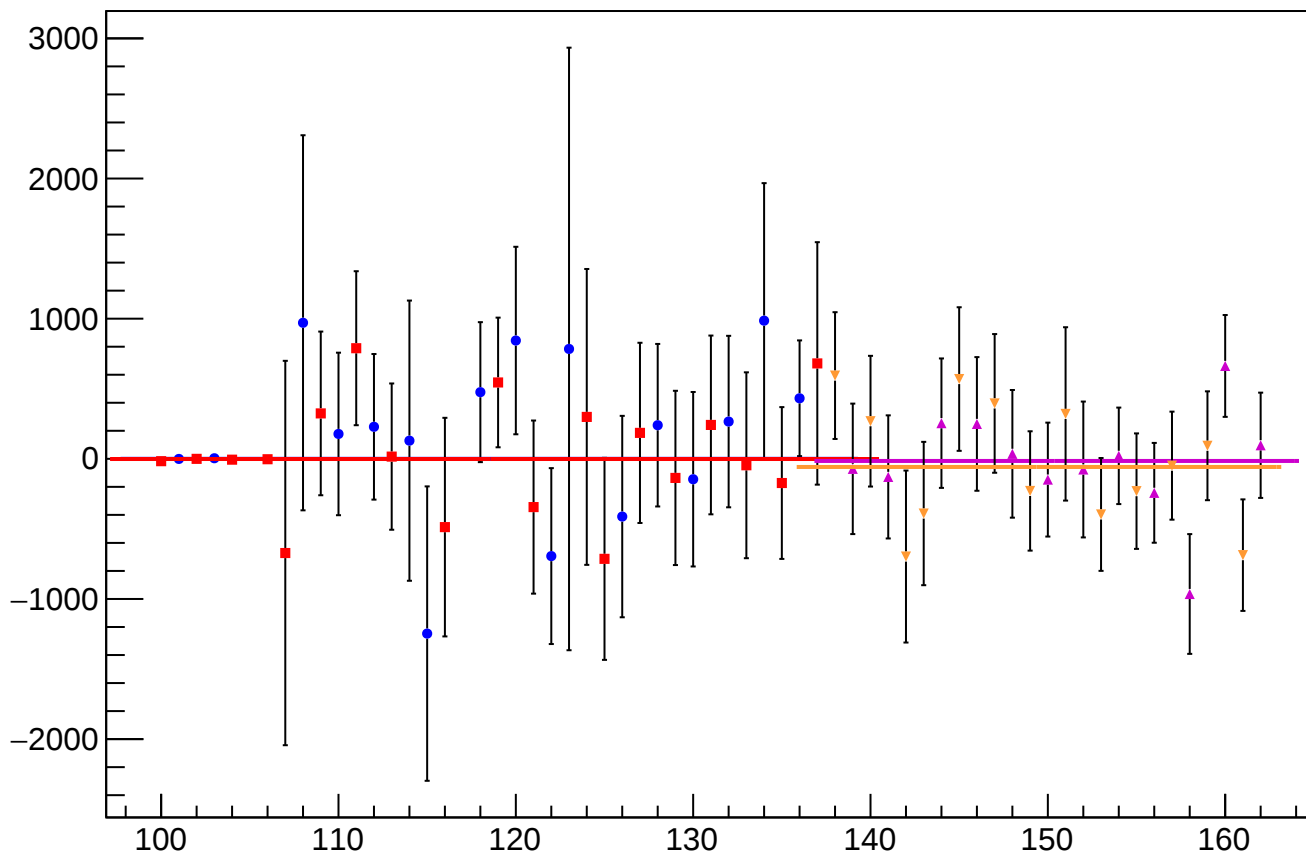
Left In: 196.024+/-0.047 χ^2/NDF : 1053771.7/11

+ sign 223.452+/-0.043 χ^2/NDF : 4800091.6/29

All: 204.198+/-0.028 χ^2/NDF : 10571183.4/60

- sign 189.893+/-0.037 χ^2/NDF : 5419656.4/30

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -58.165 ± 125.266 χ^2/NDF : 10.5/12

Right Out: -1.324 ± 1.623 χ^2/NDF : 9.5/18

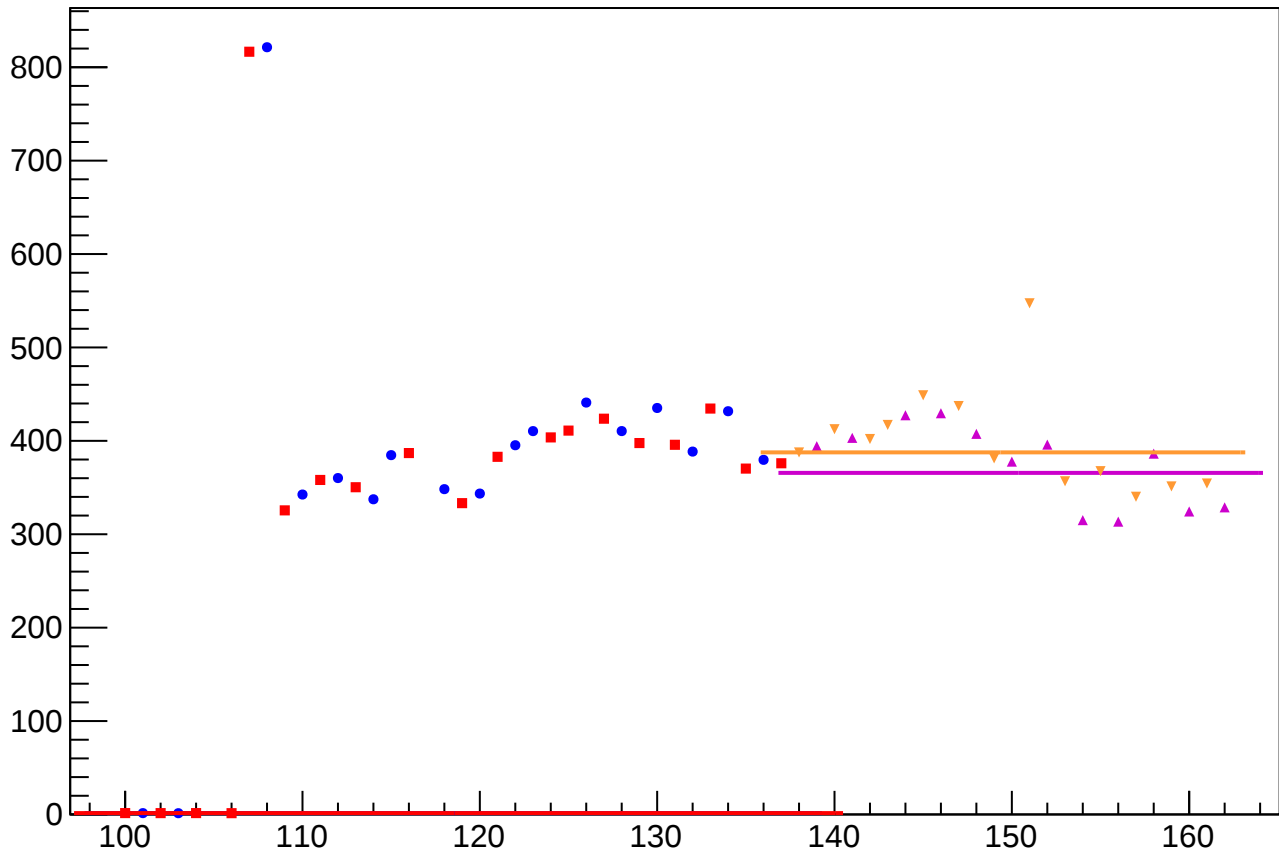
Left In: -15.222 ± 119.116 χ^2/NDF : 9.8/11

+ sign -0.150 ± 1.736 χ^2/NDF : 20.5/29

All: -0.778 ± 1.185 χ^2/NDF : 40.0/60

- sign -1.326 ± 1.622 χ^2/NDF : 19.3/30

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 387.659+/-0.089 χ^2/NDF :274219.9/12

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

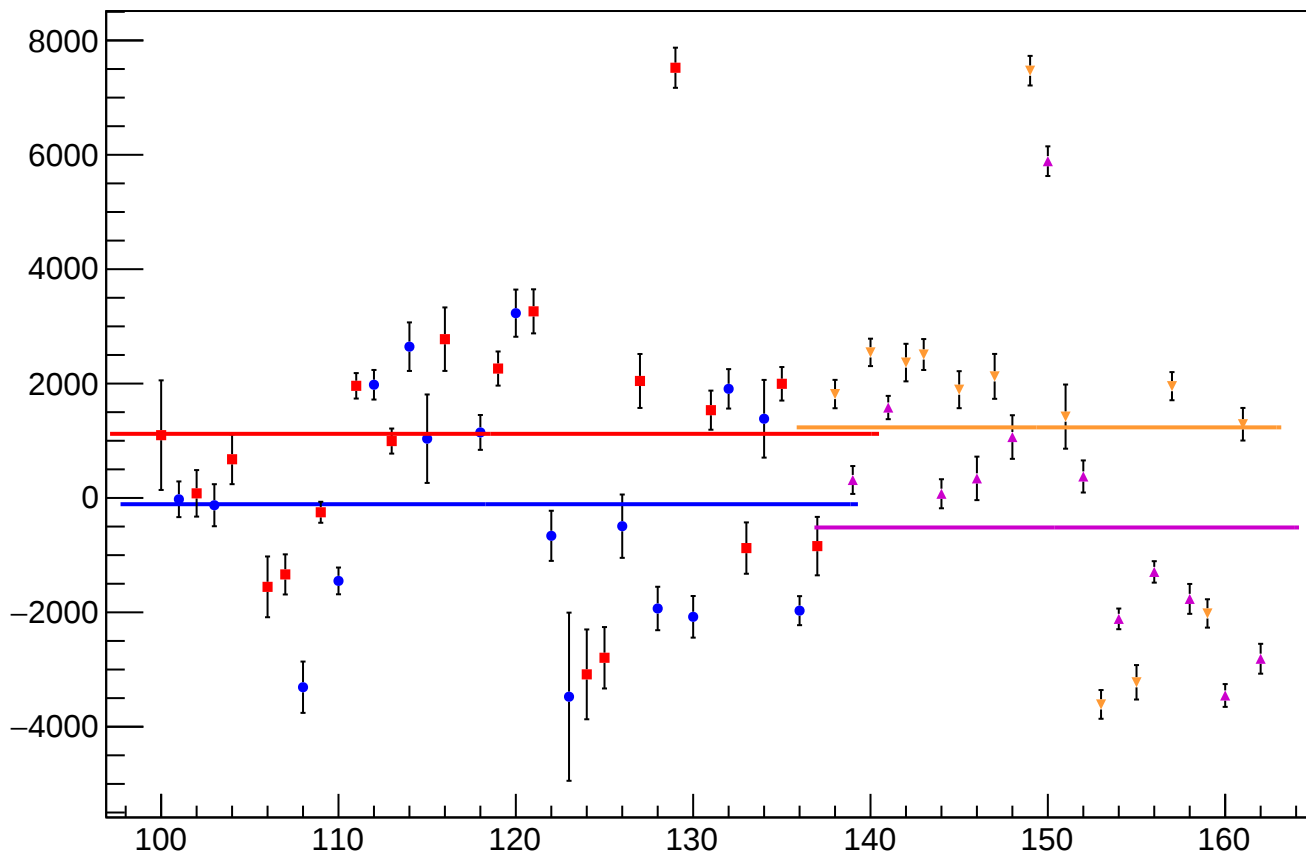
Left In: 365.702+/-0.084 χ^2/NDF :256092.4/11

+ sign 1.526+/-0.001 χ^2/NDF : 30097451.4/29

All: 1.522+/-0.001 χ^2/NDF : 59925951.5/60

- sign 1.519+/-0.001 χ^2/NDF : 29828478.5/30

asym_bcm0l02_mean vs Slug



Right In: -109.225 ± 87.961 χ^2/NDF : 428.3/16

Left Out: 1234.177 ± 78.402 χ^2/NDF : 1430.7/12

Right Out: 1121.203 ± 78.396 χ^2/NDF : 670.1/18

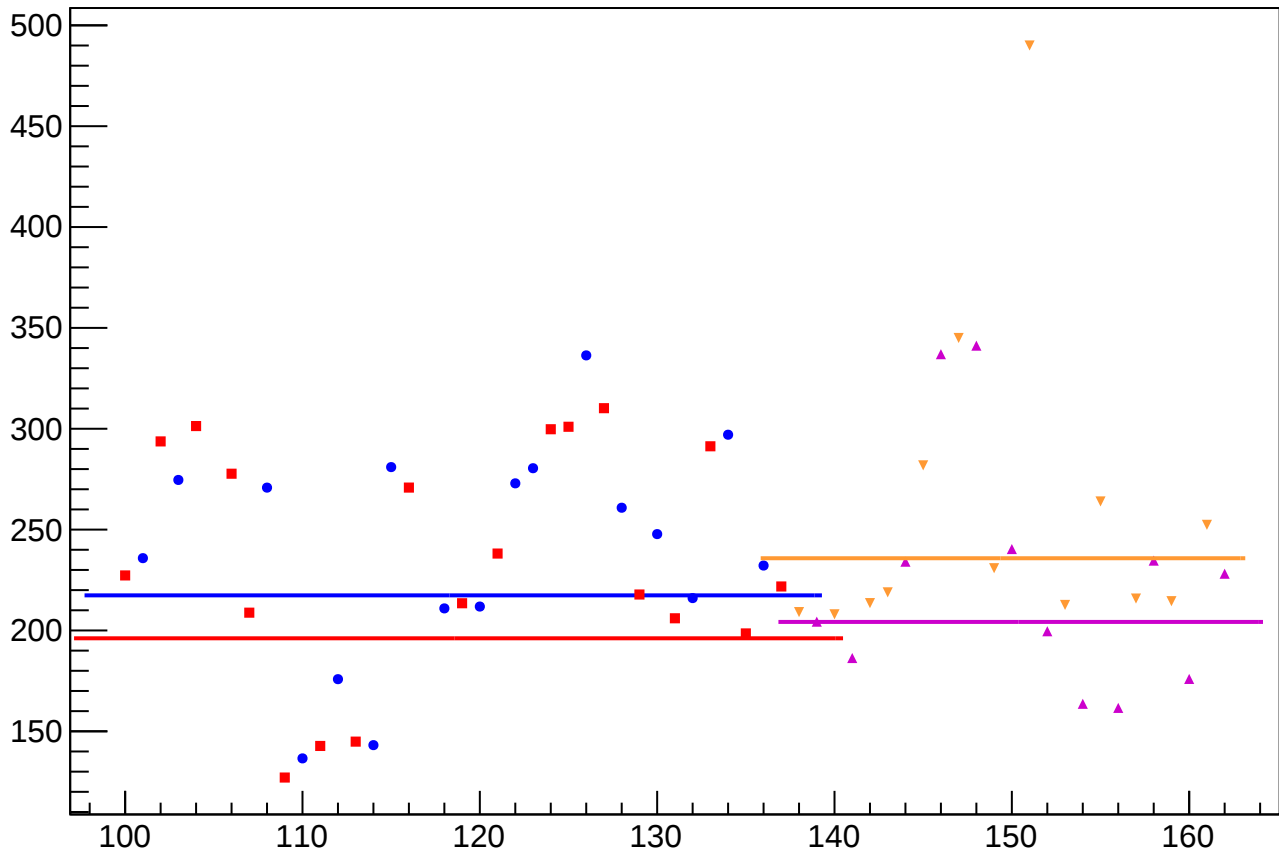
Left In: -516.131 ± 68.786 χ^2/NDF : 1177.3/11

+ sign 639.417 ± 58.527 χ^2/NDF : 1989.1/29

All: 390.411 ± 38.749 χ^2/NDF : 4115.2/60

- sign 196.077 ± 51.705 χ^2/NDF : 2093.9/30

asym_bcm0l02_rms vs Slug



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 235.801 $\pm$ 0.055 χ^2 /NDF: 742940.2/12

Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

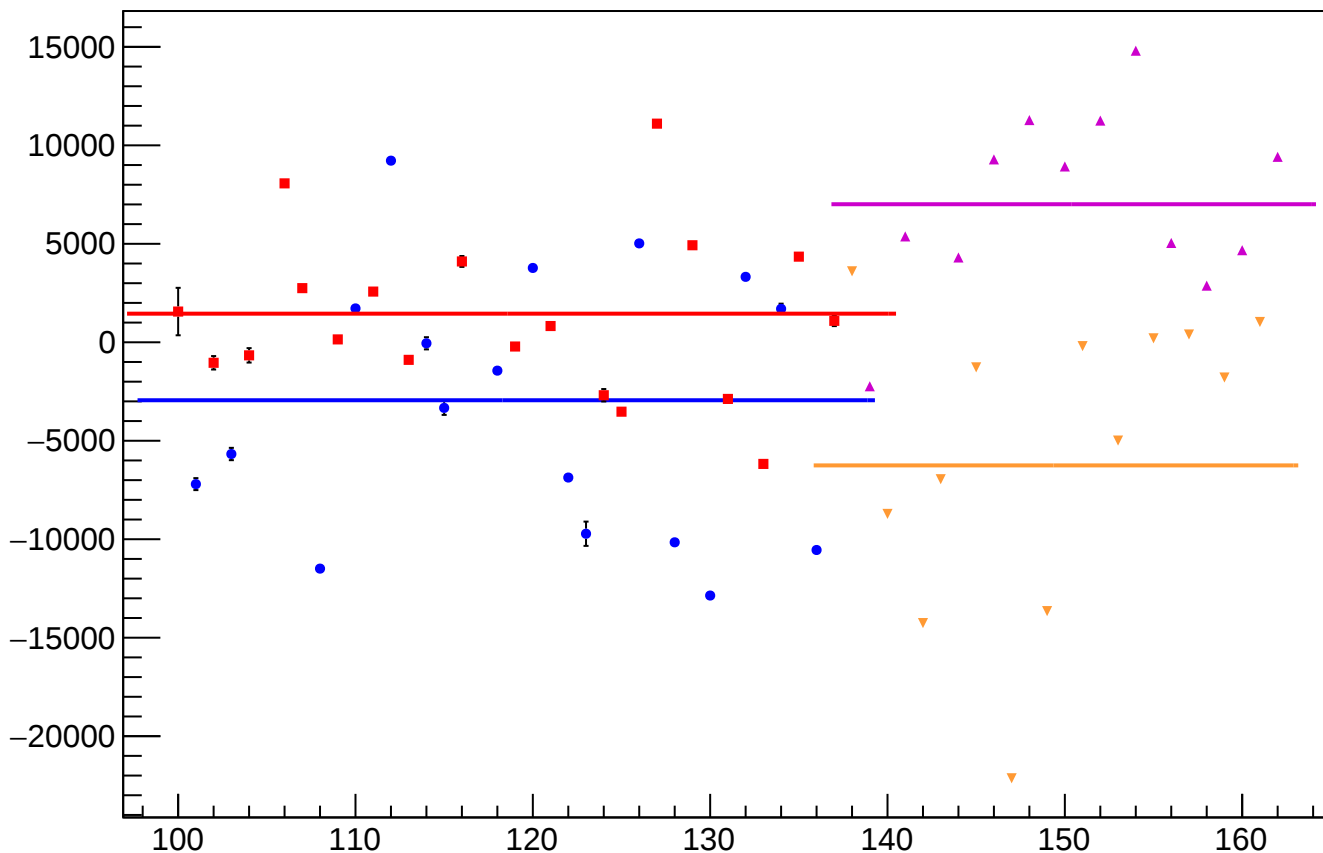
Left In: 204.230 $\pm$ 0.049 χ^2 /NDF: 872385.7/11

+ sign 227.656 $\pm$ 0.041 χ^2 /NDF: 1444335.3/29

All: 212.515 $\pm$ 0.027 χ^2 /NDF: 3757999.2/60

- sign 200.699 $\pm$ 0.037 χ^2 /NDF: 2075365.3/30

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -6251.194 ± 41.555 $\chi^2/\text{NDF}: 33963.7/12$

Right Out: 1453.116 ± 46.404 $\chi^2/\text{NDF}: 7996.0/18$

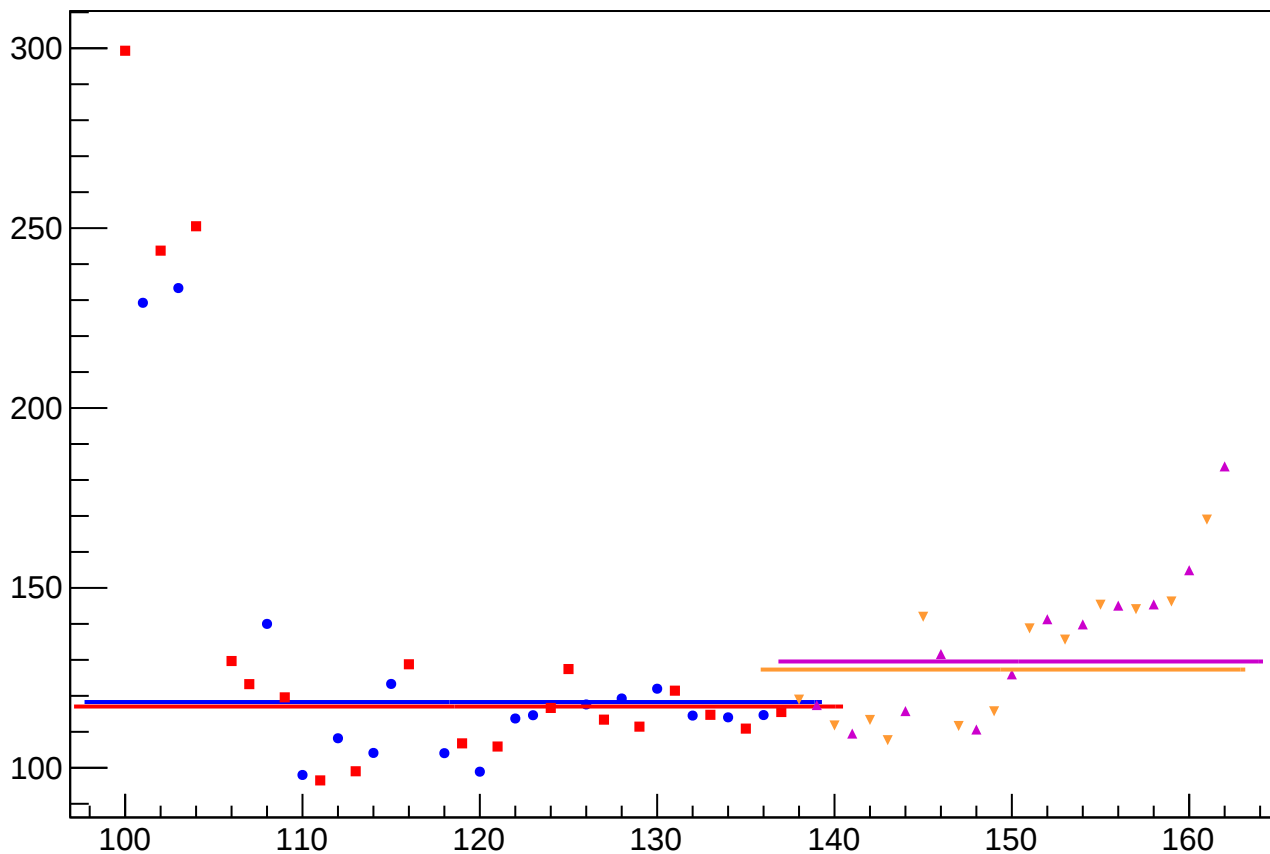
Left In: 7009.928 ± 42.340 $\chi^2/\text{NDF}: 10898.7/11$

+ sign -4854.503 ± 31.587 $\chi^2/\text{NDF}: 57549.2/29$

All: -138.522 ± 22.225 $\chi^2/\text{NDF}: 128415.8/60$

- sign 4485.406 ± 31.277 $\chi^2/\text{NDF}: 26719.9/30$

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 127.305+/-0.029 χ^2/NDF : 337748.8/12

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

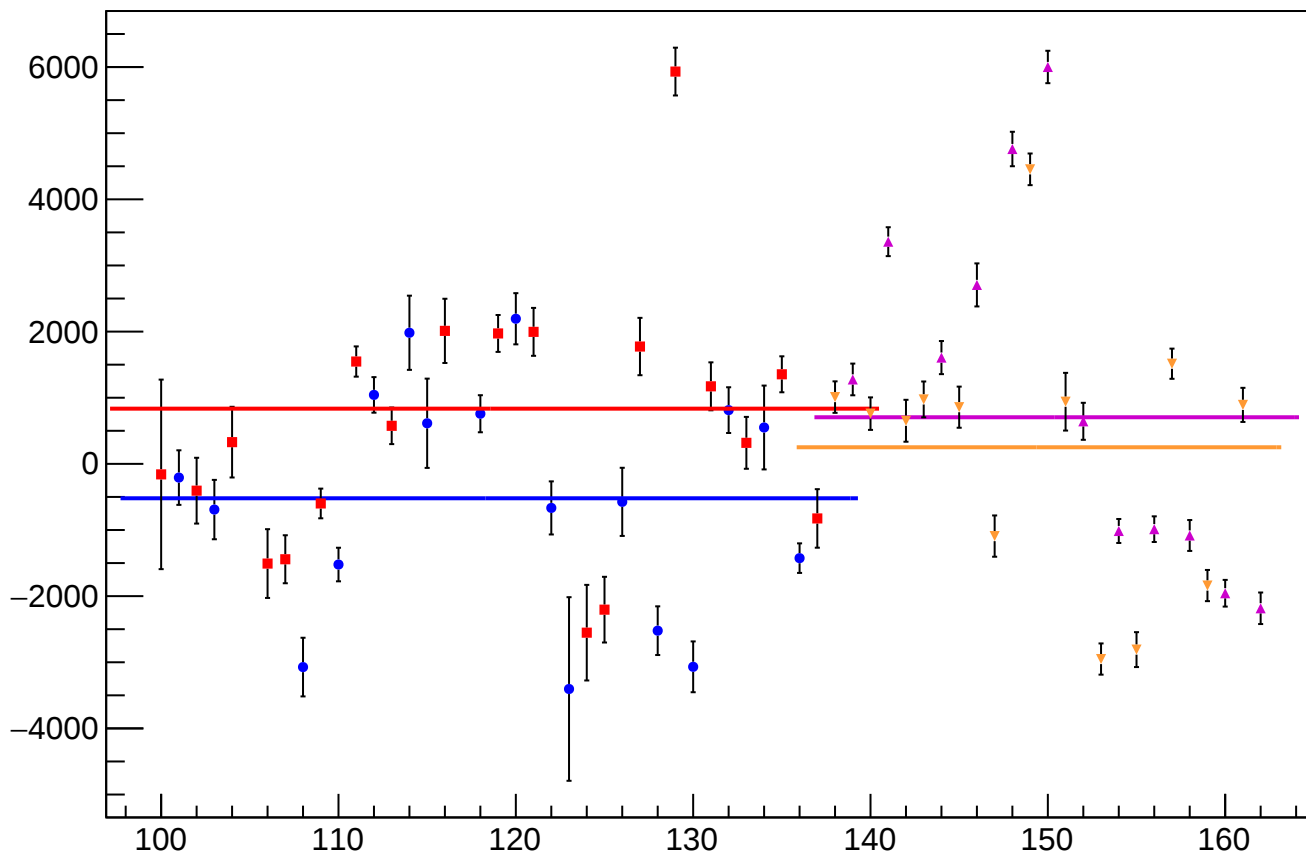
Left In: 129.552+/-0.030 χ^2/NDF : 373059.7/11

+ sign 123.497+/-0.022 χ^2/NDF : 1014447.0/29

All: 123.682+/-0.016 χ^2/NDF : 2157957.2/60

- sign 123.864+/-0.022 χ^2/NDF : 1143374.1/30

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 250.995 ± 73.401 χ^2/NDF : 790.3/12

Right Out: 834.834 ± 82.273 χ^2/NDF : 434.7/18

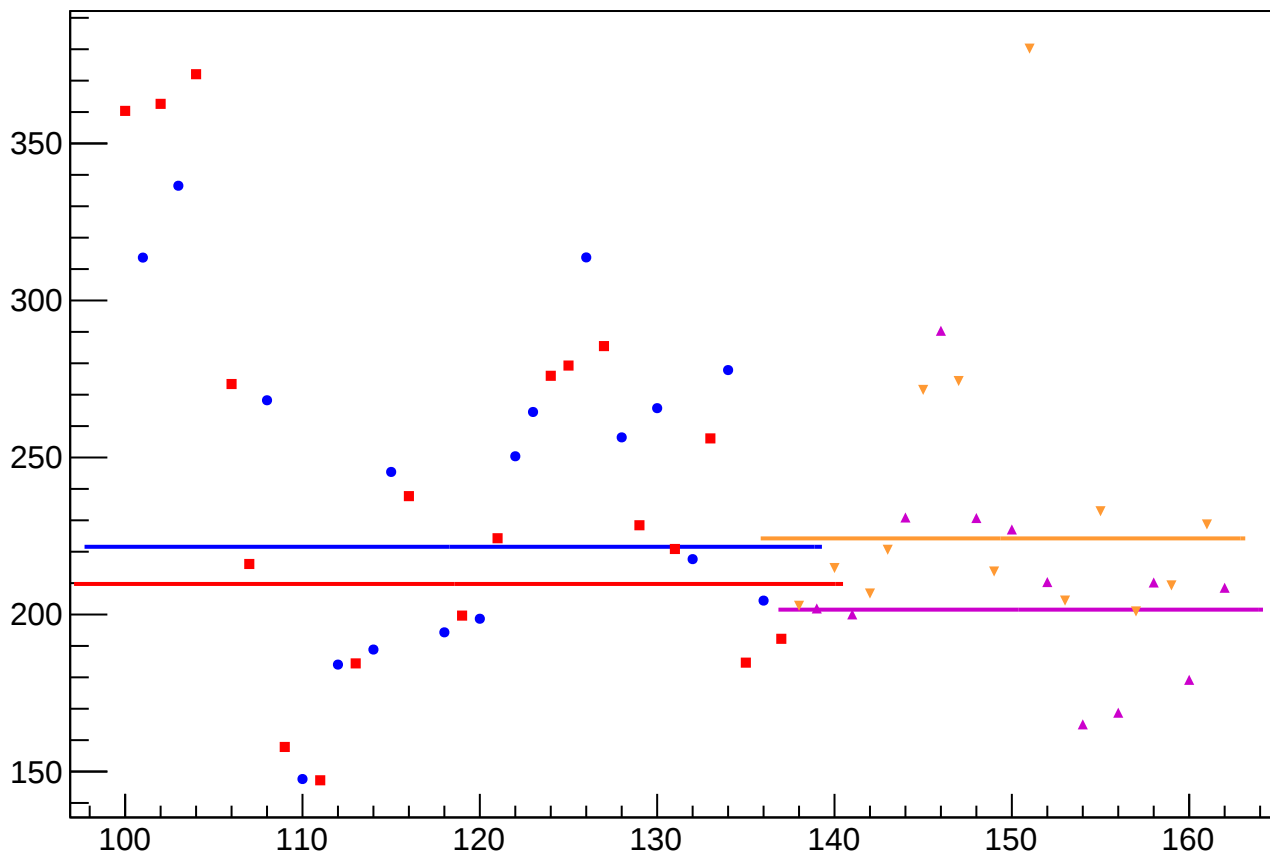
Left In: 704.785 ± 66.612 χ^2/NDF : 1459.1/11

+ sign -60.228 ± 56.689 χ^2/NDF : 1123.0/29

All: 384.975 ± 38.228 χ^2/NDF : 3131.5/60

- sign 756.279 ± 51.771 χ^2/NDF : 1895.4/30

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 +/- 0.063 χ^2/NDF : 644941.4/16

Left Out: 224.239 +/- 0.052 χ^2/NDF : 428532.6/12

Right Out: 209.736 +/- 0.058 χ^2/NDF : 883922.1/18

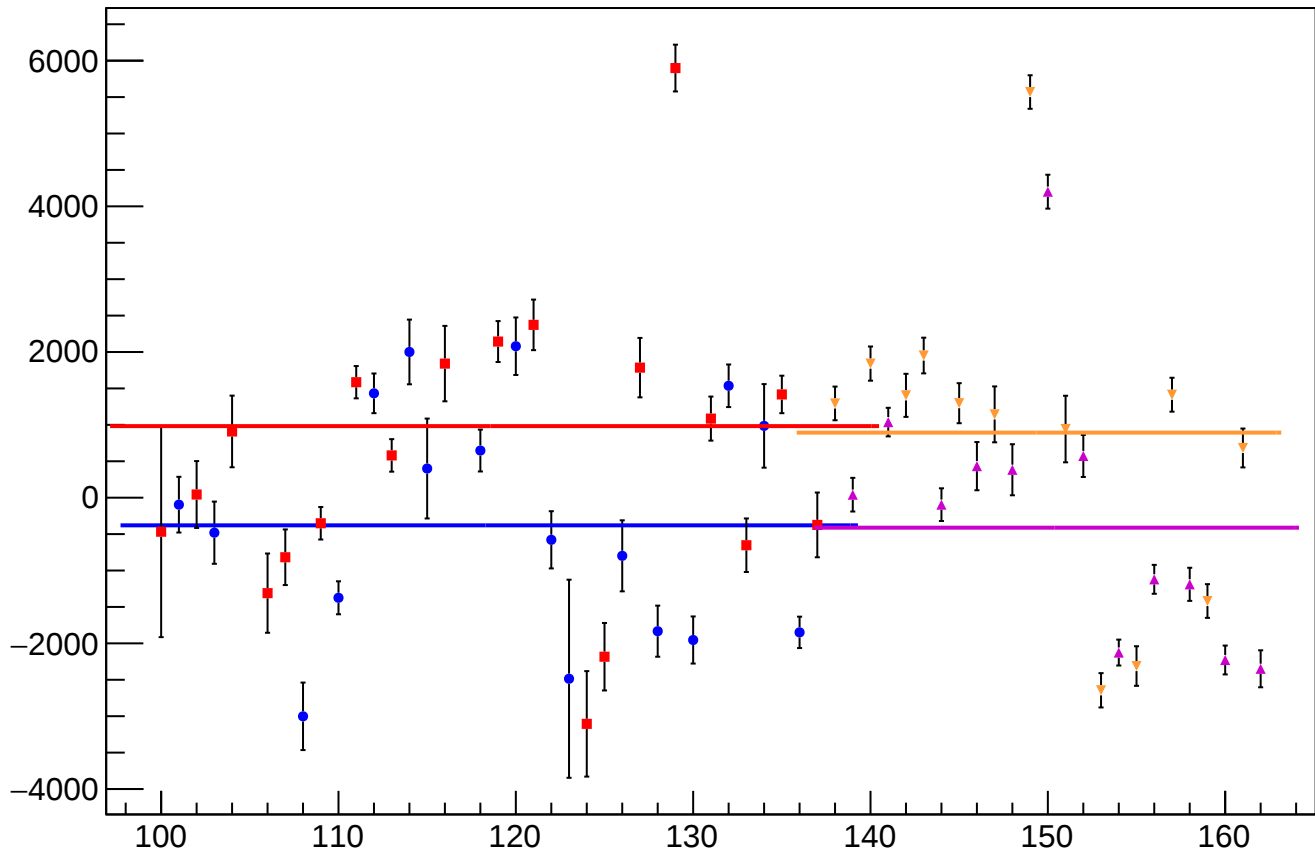
Left In: 201.554 +/- 0.047 χ^2/NDF : 392598.4/11

+ sign 223.162 +/- 0.040 χ^2/NDF : 1074541.2/29

All: 213.147 +/- 0.027 χ^2/NDF : 2477499.0/60

- sign 204.794 +/- 0.037 χ^2/NDF : 1288468.7/30

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 893.477 ± 72.291 χ^2/NDF : 925.6/12

Right Out: 982.539 ± 77.724 χ^2/NDF : 476.3/18

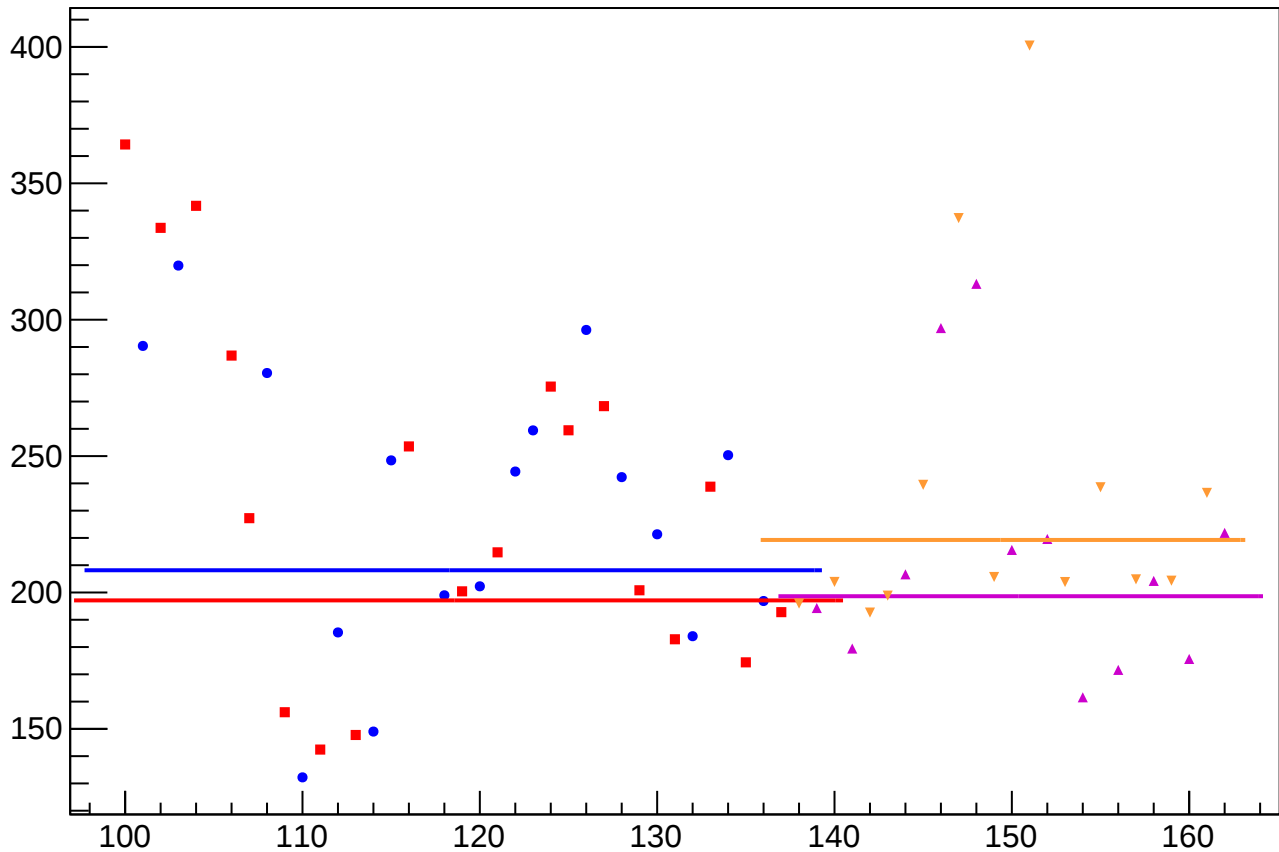
Left In: -411.880 ± 65.980 χ^2/NDF : 736.8/11

+ sign 353.684 ± 54.865 χ^2/NDF : 1374.3/29

All: 255.038 ± 37.077 χ^2/NDF : 2780.4/60

- sign 172.124 ± 50.300 χ^2/NDF : 1400.1/30

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 219.261+/-0.051 χ^2/NDF : 623545.0/12

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

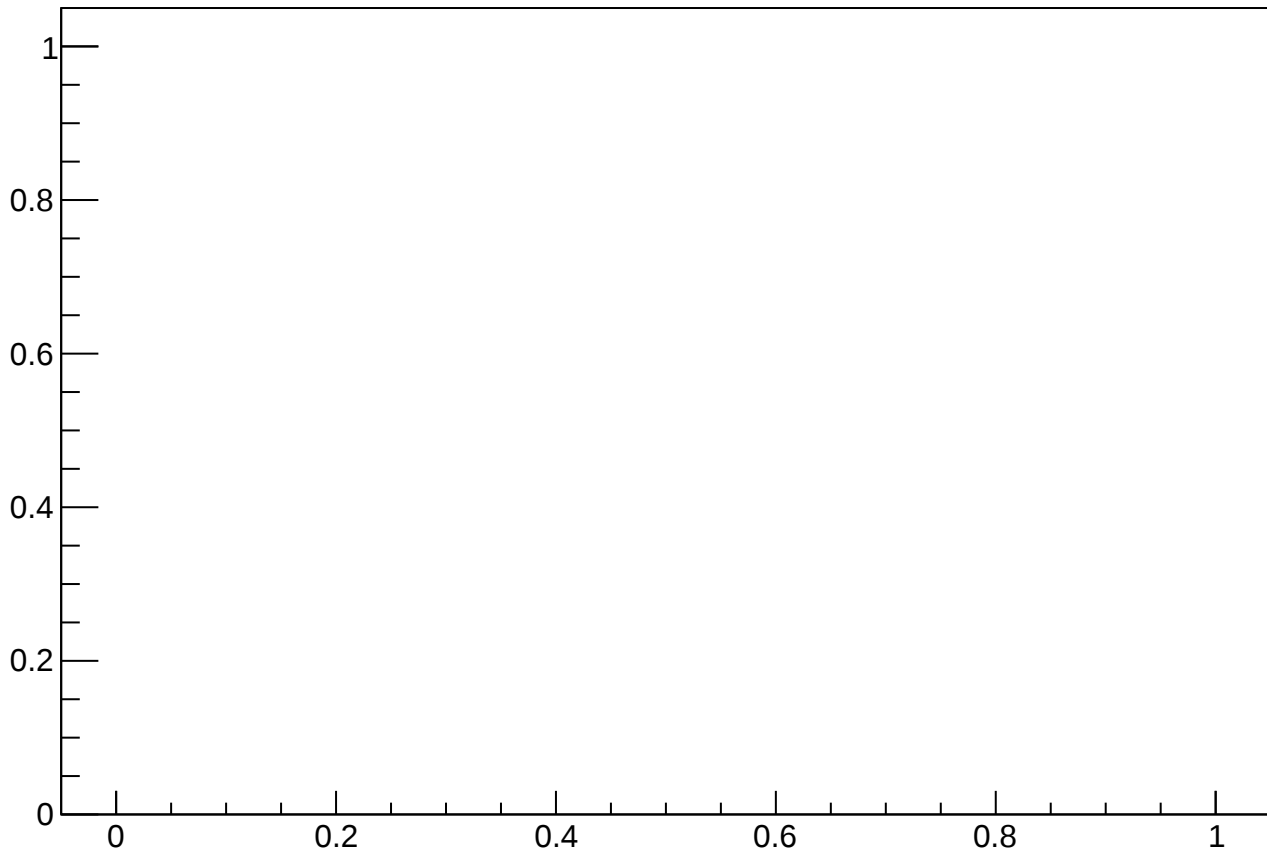
Left In: 198.633+/-0.047 χ^2/NDF : 602420.2/11

+ sign 214.551+/-0.039 χ^2/NDF : 1342659.5/29

All: 205.554+/-0.026 χ^2/NDF : 2970974.3/60

- sign 197.992+/-0.036 χ^2/NDF : 1529338.7/30

bcm_an_us_ds_dd_mean vs Slug



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

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

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

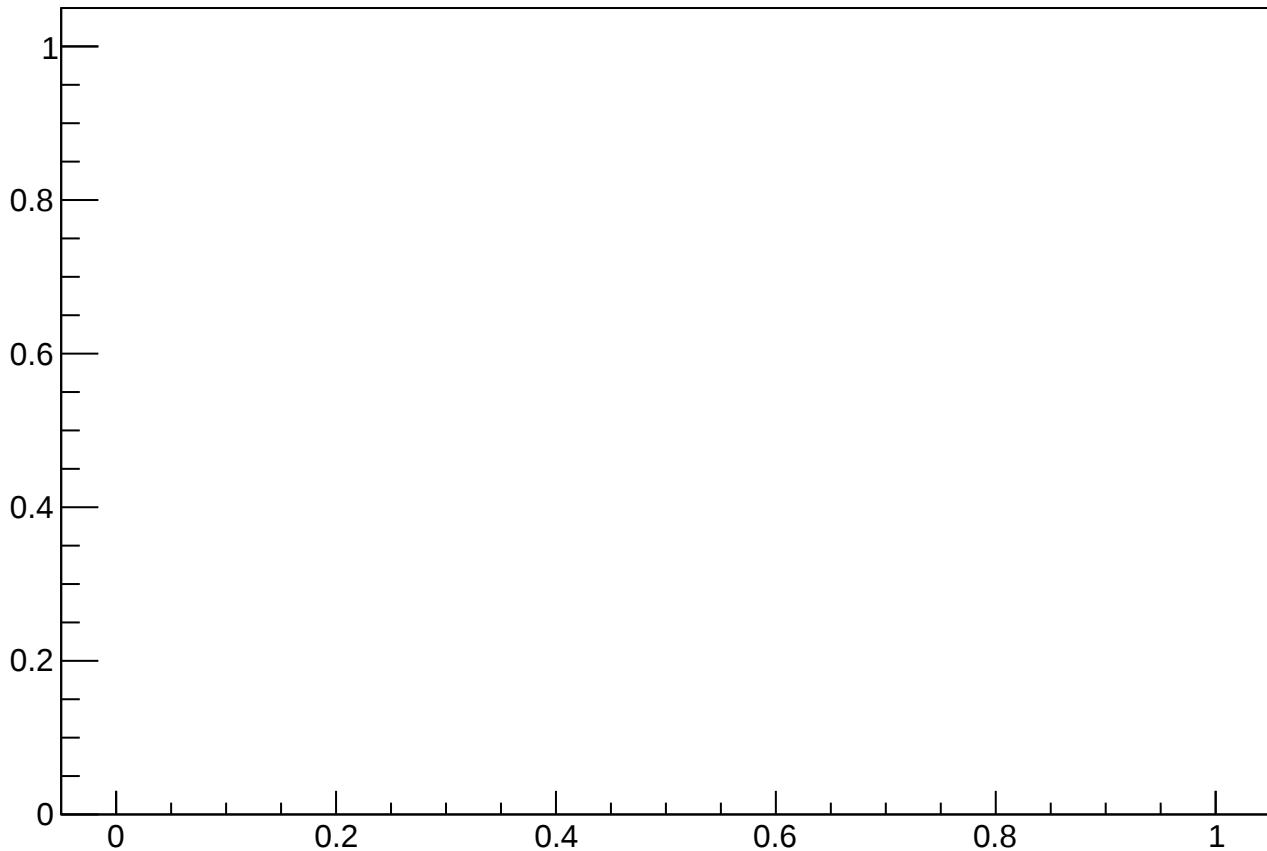
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_an_us_ds_dd_rms vs Slug



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

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

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

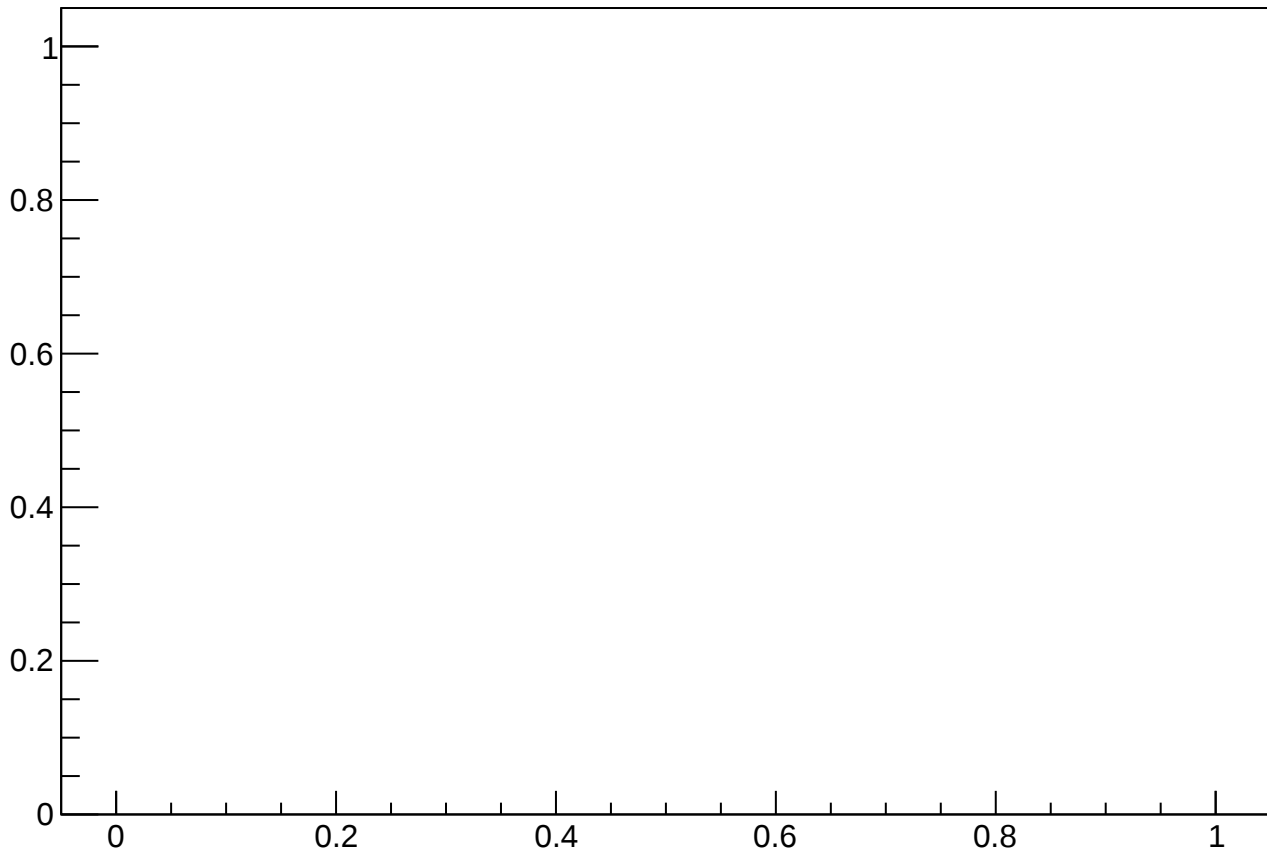
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

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

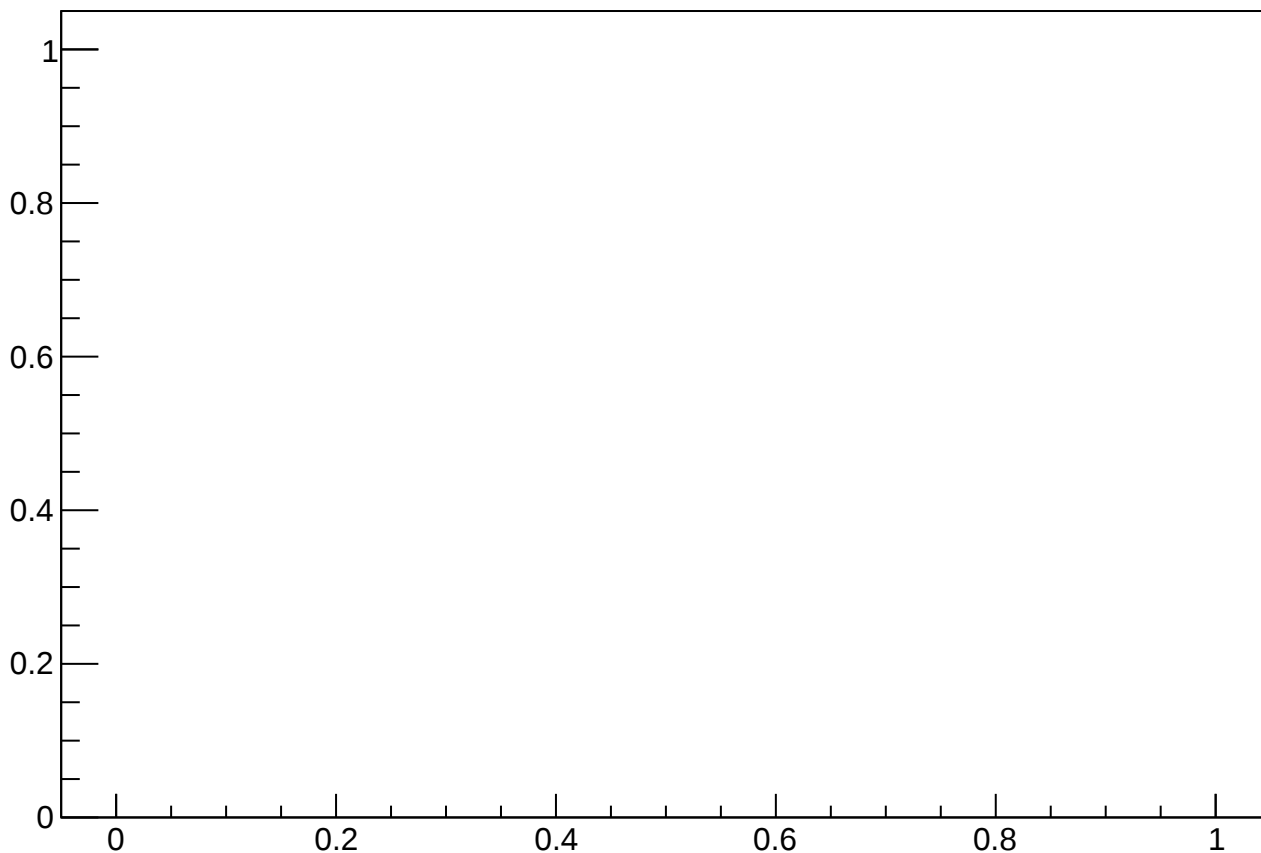
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_dg_ds_dd_rms vs Slug



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

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

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

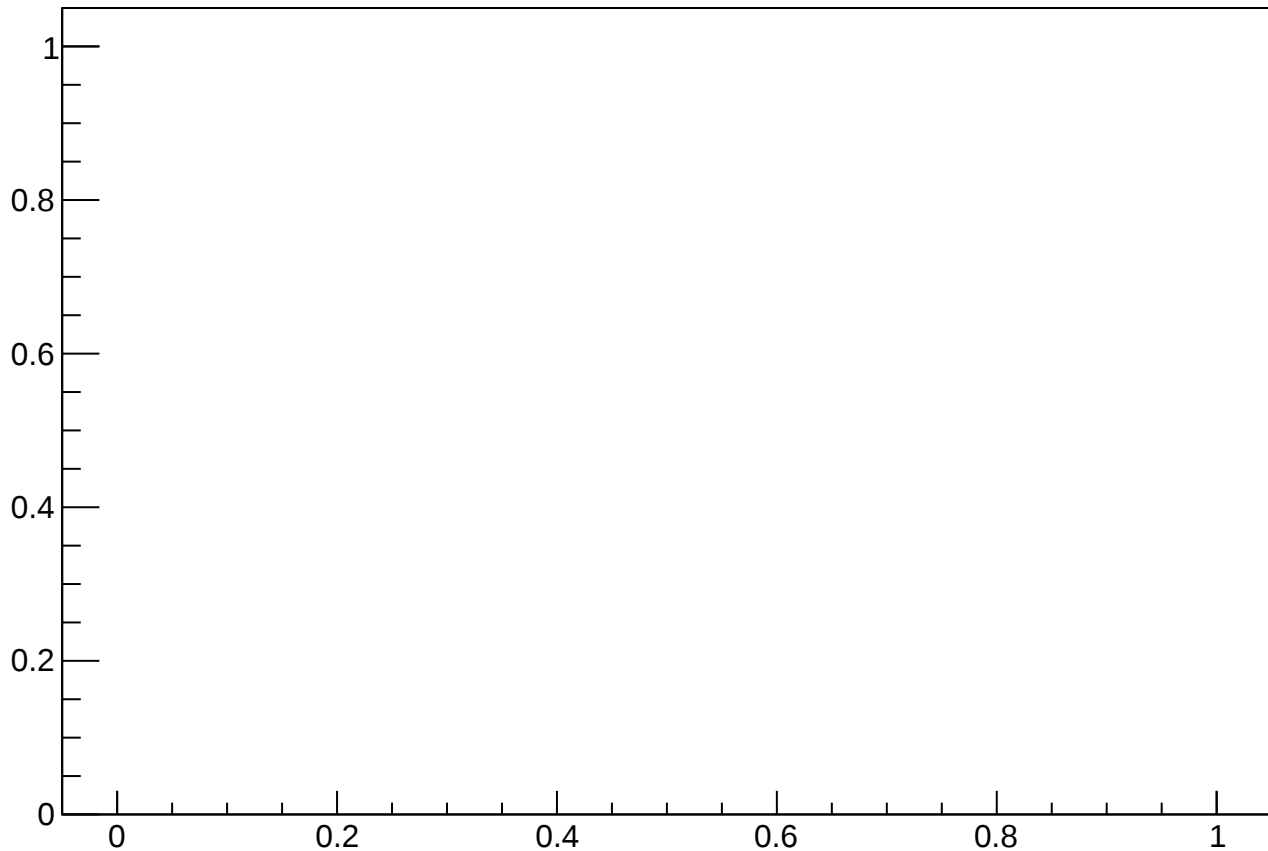
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_ds_dd_mean vs Slug



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

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

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

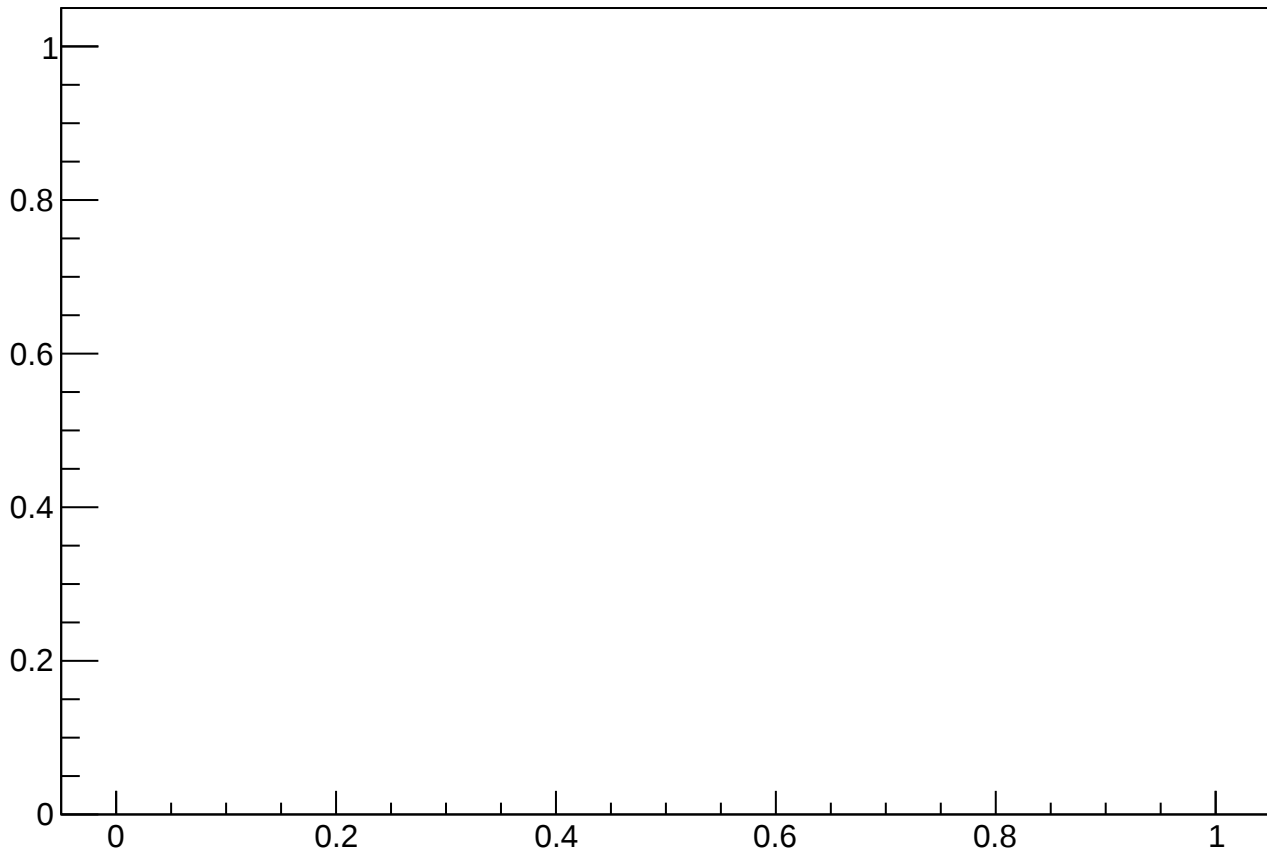
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_us_ds_dd_rms vs Slug



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

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

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

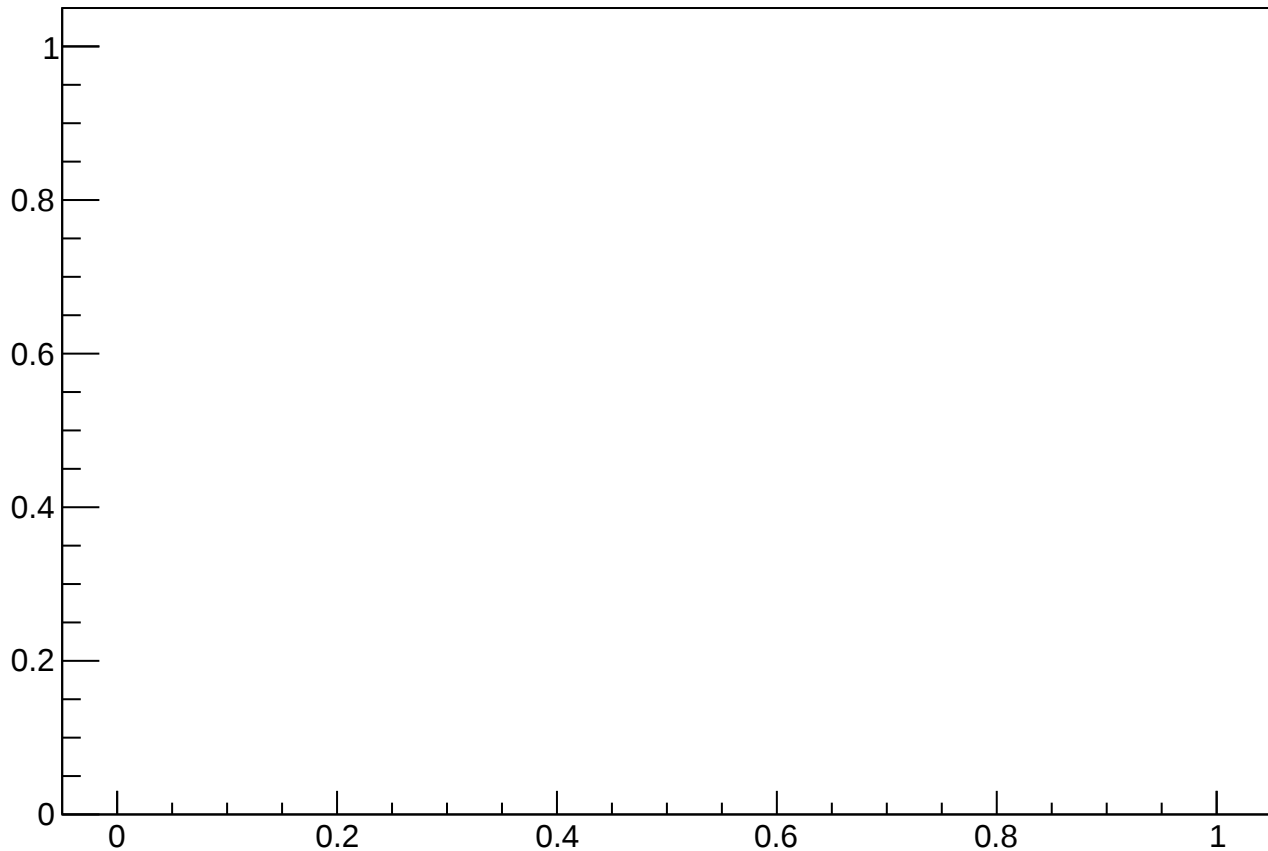
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

bcm_dg_ds_ds_dd_mean vs Slug



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

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

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

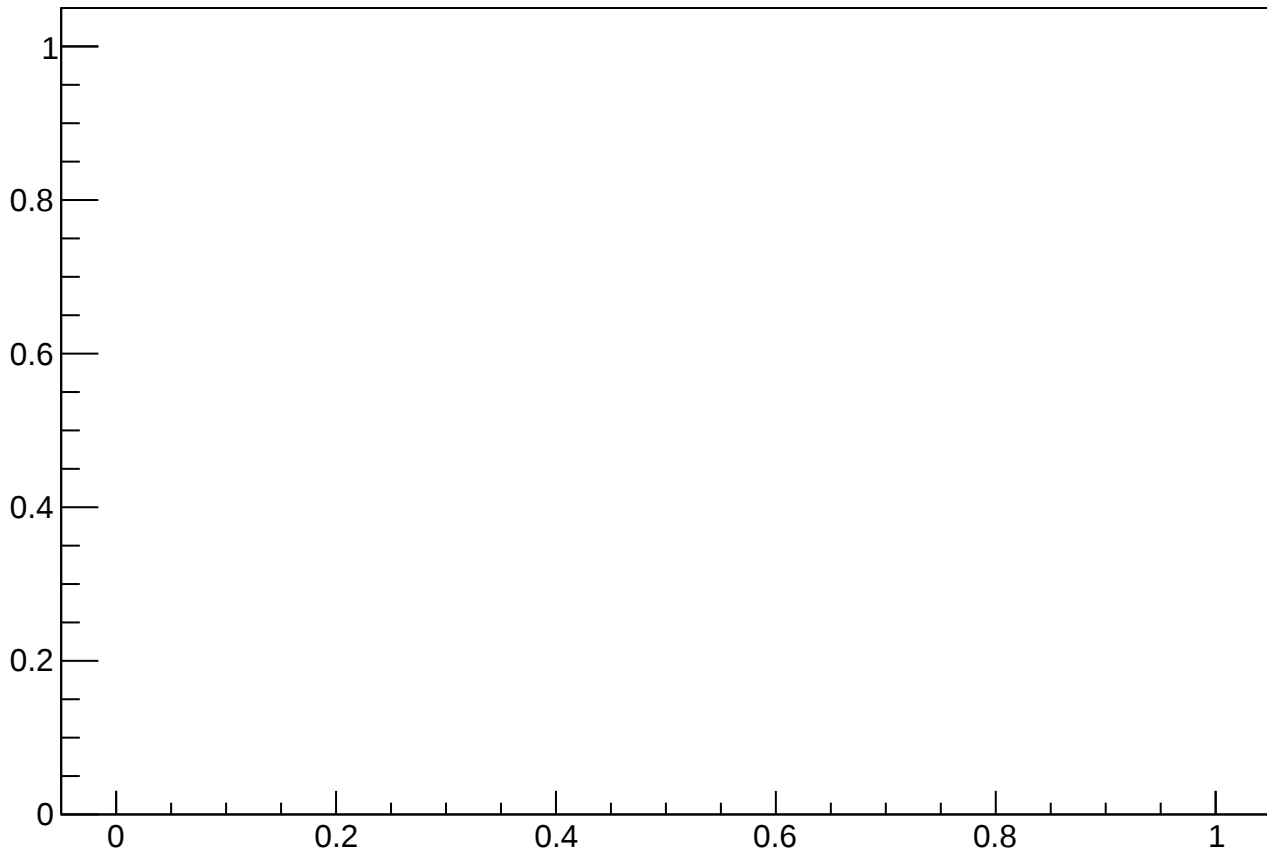
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_ds_ds_dd_rms vs Slug



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

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

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

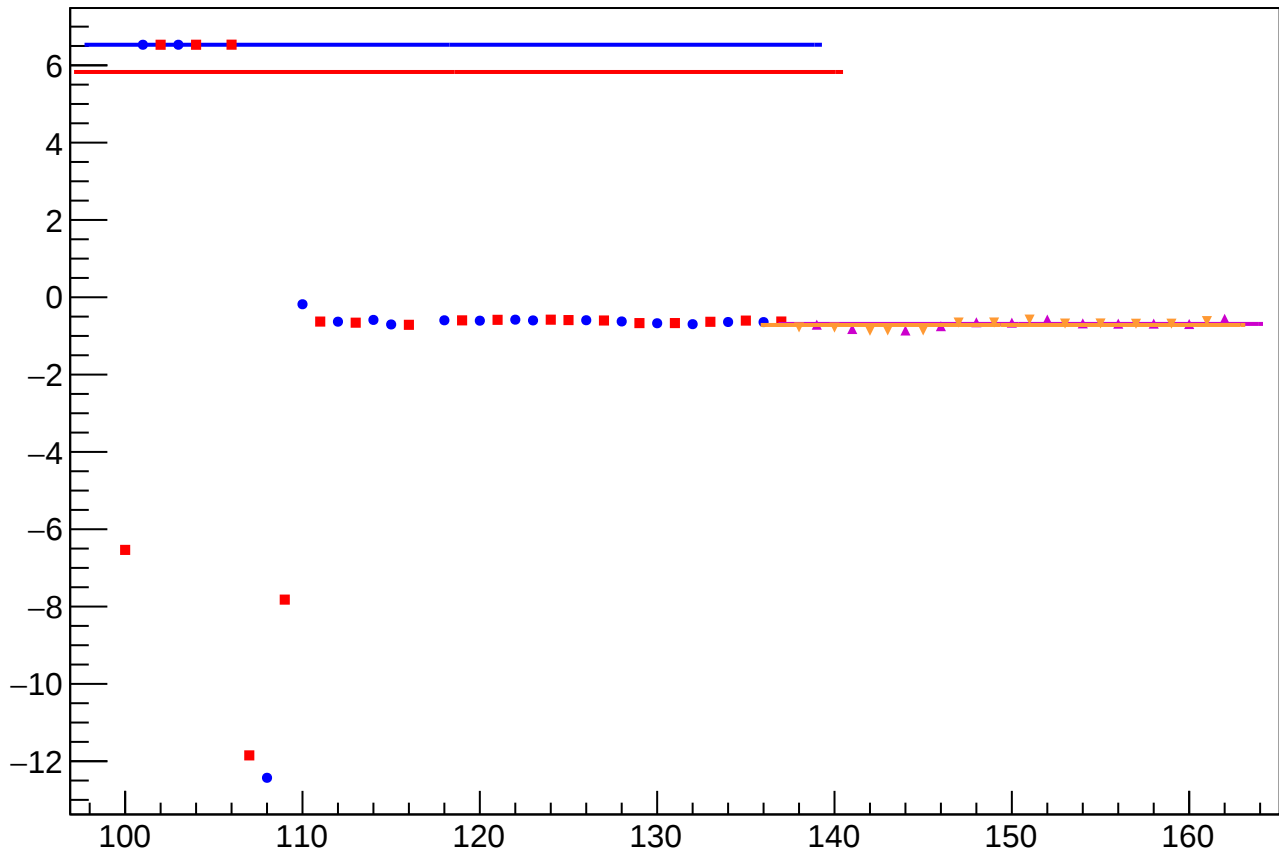
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.716 $\pm$ 0.000 χ^2/NDF : 83243006.1/12

Right Out: 5.827 $\pm$ 0.000 χ^2/NDF : 755963218053643.4/18

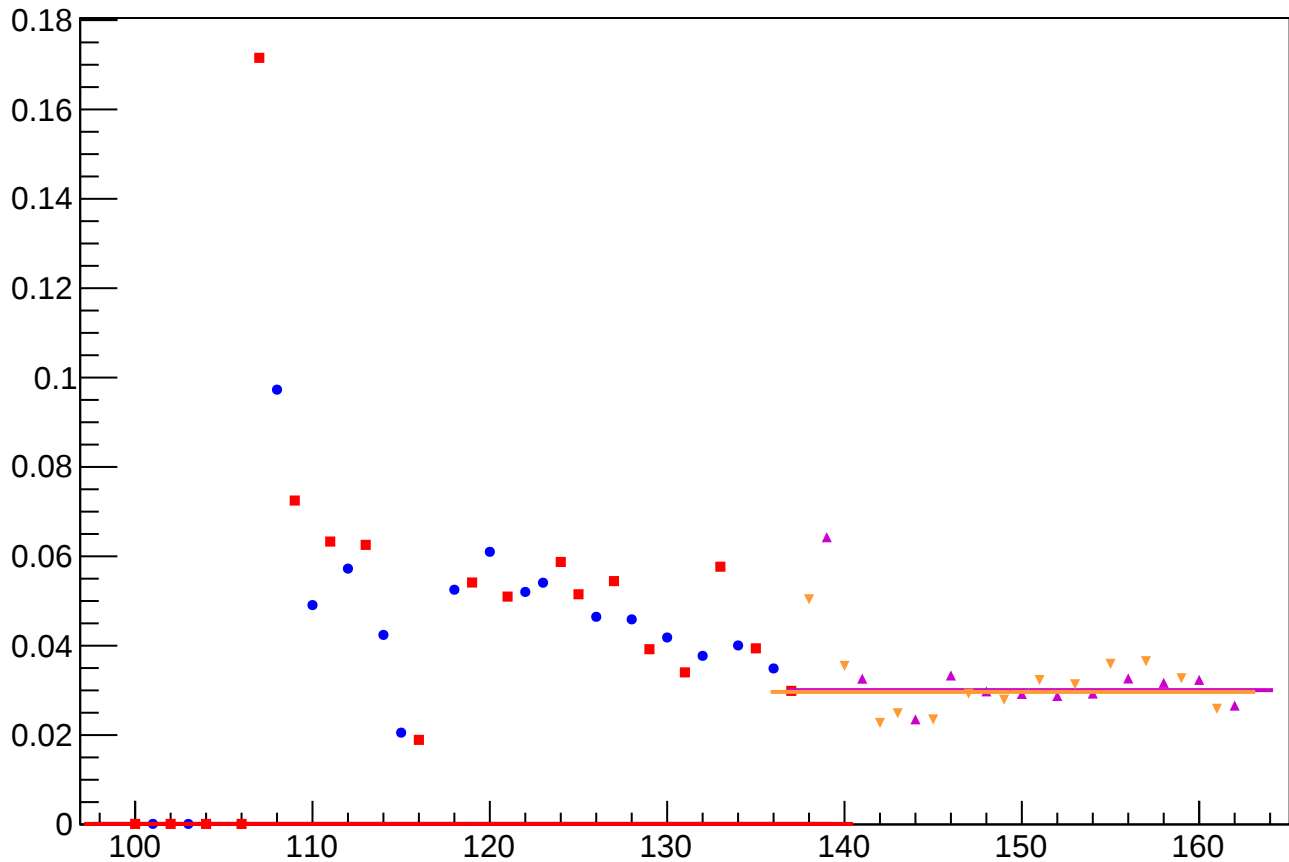
Left In: -0.689 $\pm$ 0.000 χ^2/NDF : 73320805.8/11

+ sign 6.531 $\pm$ 0.000 χ^2/NDF : 582737445266.4/29

All: 6.154 $\pm$ 0.000 χ^2/NDF : 77690666768387

- sign 5.827 $\pm$ 0.000 χ^2/NDF : 756328329771639.8/

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 :548336.8/12

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

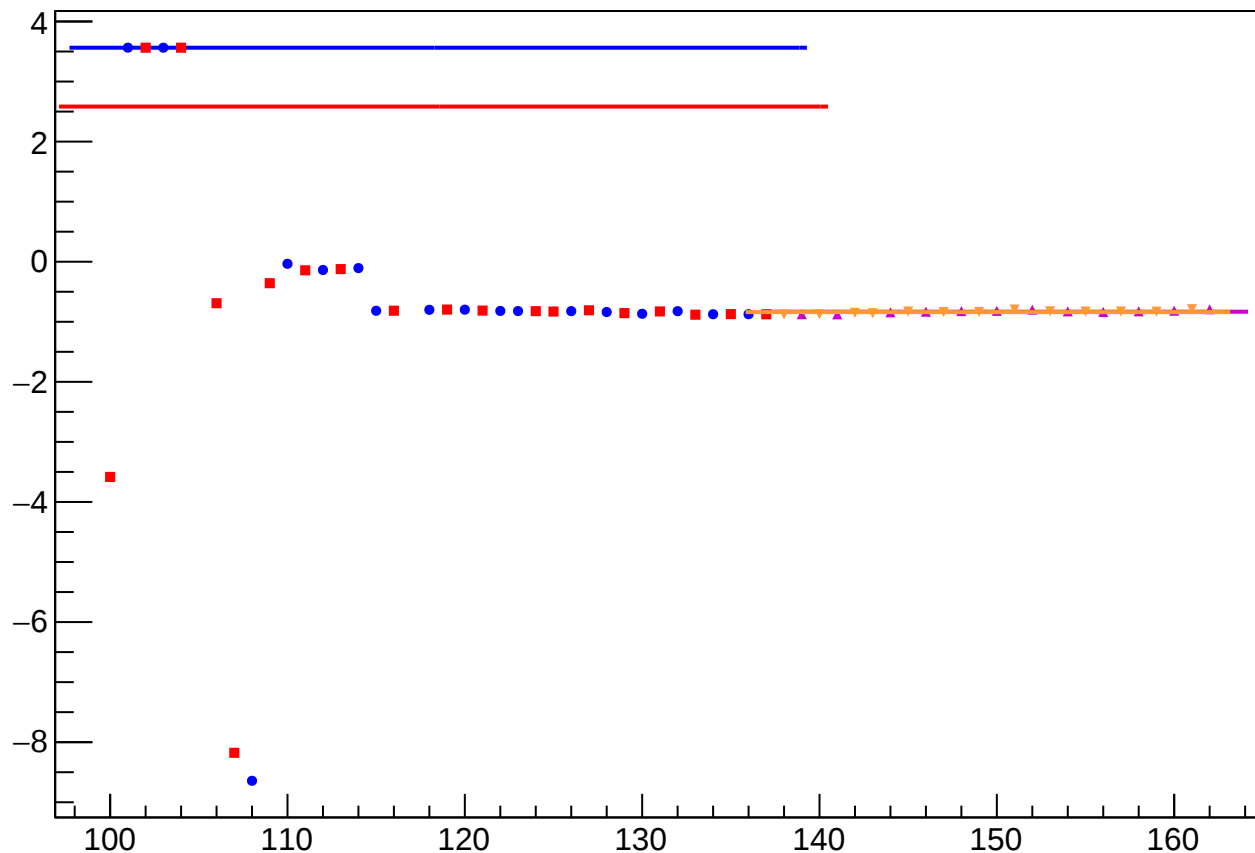
Left In: 0.030+/-0.000 χ^2/NDF :559608.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 24562143.8/29

All: 0.000+/-0.000 χ^2/NDF : 49876129.6/60

- sign 0.000+/-0.000 χ^2/NDF : 25313603.0/30

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.839 $\pm$ 0.000 χ^2/NDF : 64897758.4/12

Right Out: 2.583 $\pm$ 0.000 χ^2/NDF : 1253502070019187.0/18

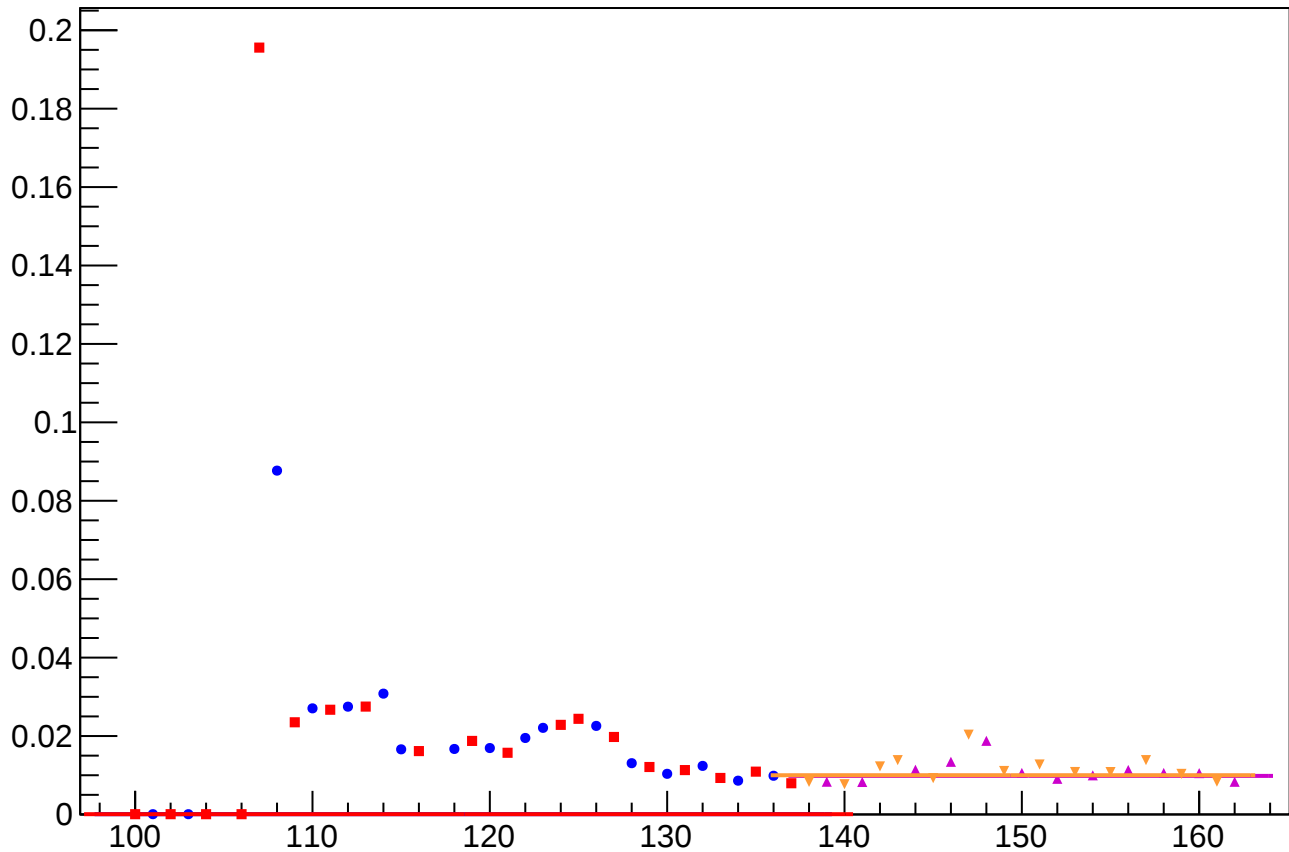
Left In: -0.832 $\pm$ 0.000 χ^2/NDF : 72568342.4/11

+ sign 3.562 $\pm$ 0.000 χ^2/NDF : 1902278457095.2/29

All: 3.039 $\pm$ 0.000 χ^2/NDF : 1384521254090.0/30

- sign 2.582 $\pm$ 0.000 χ^2/NDF : 1254407123979923.8

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF :868018.3/12

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

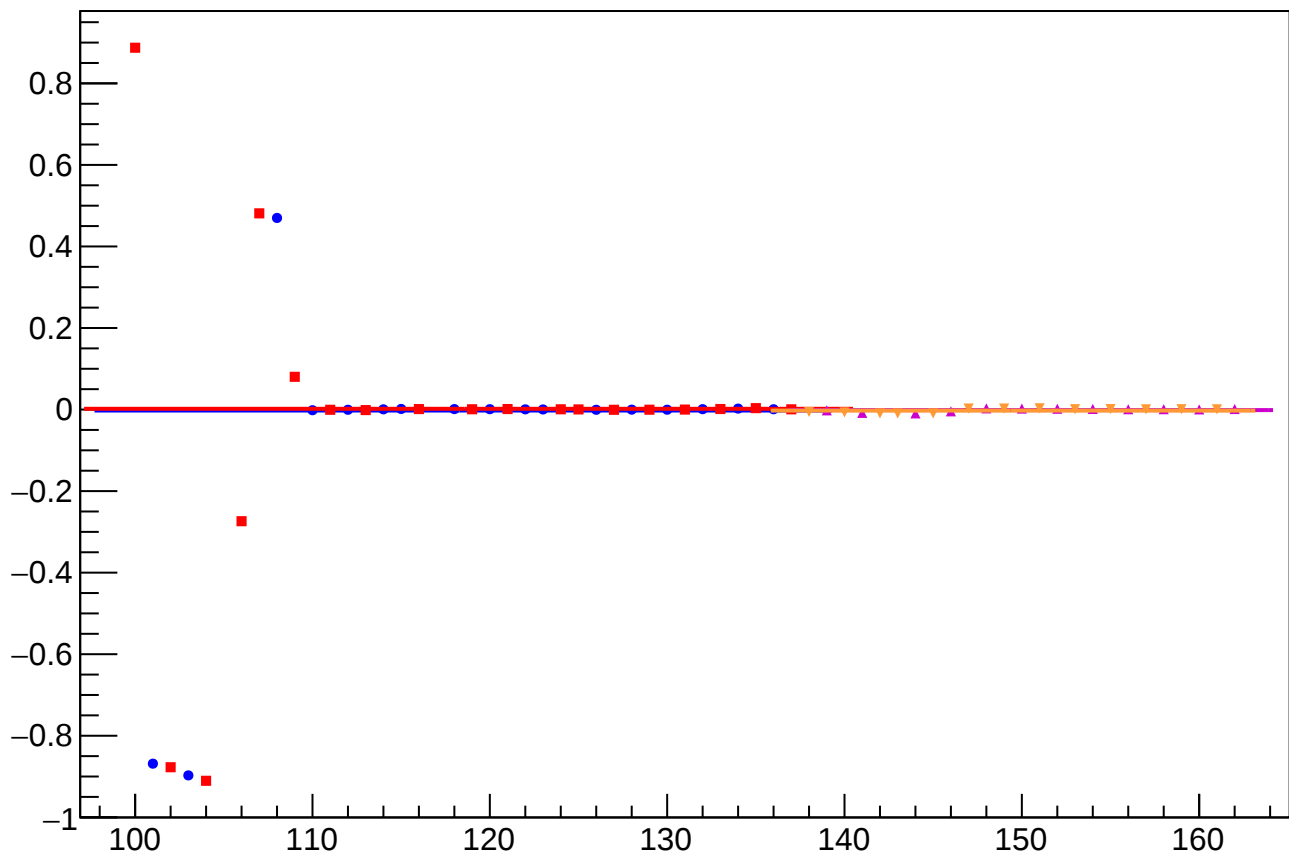
Left In: 0.010+/-0.000 χ^2/NDF :612602.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 25048031.9/29

All: 0.000+/-0.000 χ^2/NDF : 50318751.1/60

- sign 0.000+/-0.000 χ^2/NDF : 25270283.7/30

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.002 ± 0.000 χ^2/NDF : 81859088.3/12

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041319824.4/18

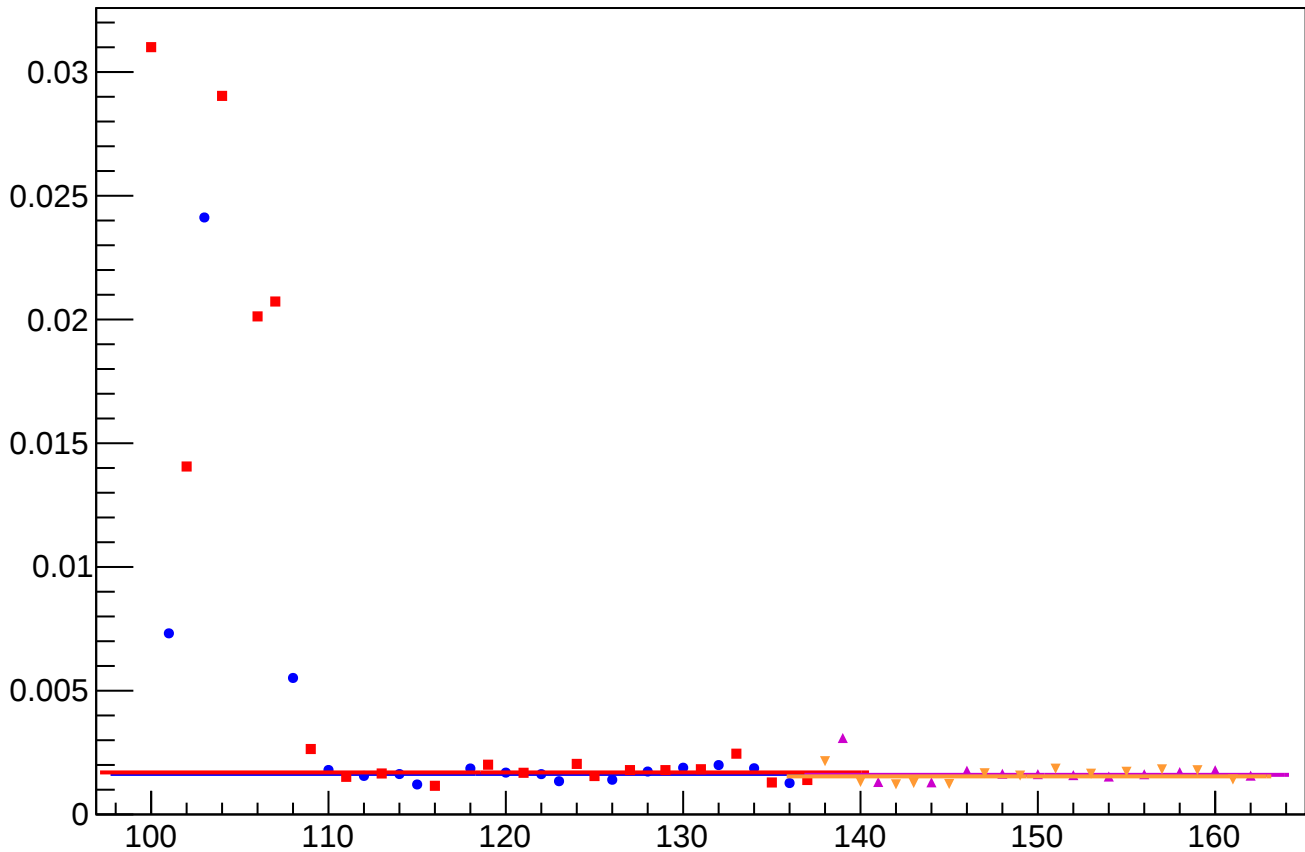
Left In: -0.001 ± 0.000 χ^2/NDF : 60372335.8/11

+ sign -0.002 ± 0.000 χ^2/NDF : 9876743203.6/29

All: -0.001 ± 0.000 χ^2/NDF : 13000052680.8/30

- sign -0.000 ± 0.000 χ^2/NDF : 3112121047.2/30

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: 414197.3/12

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

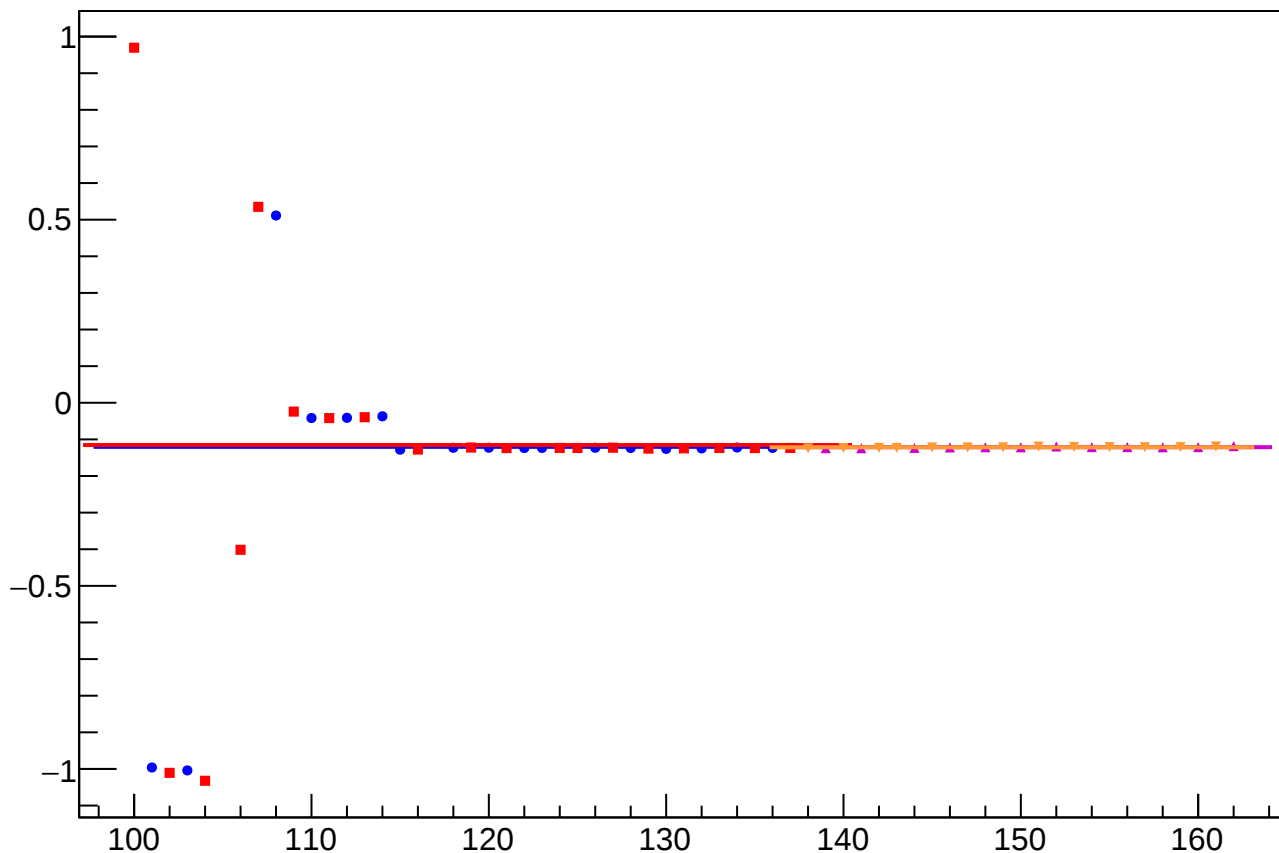
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 495315.0/11

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2352243.3/29

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5908253.0/60

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3538643.1/30

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.122+/-0.000 χ^2/NDF : 14173838.8/12

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

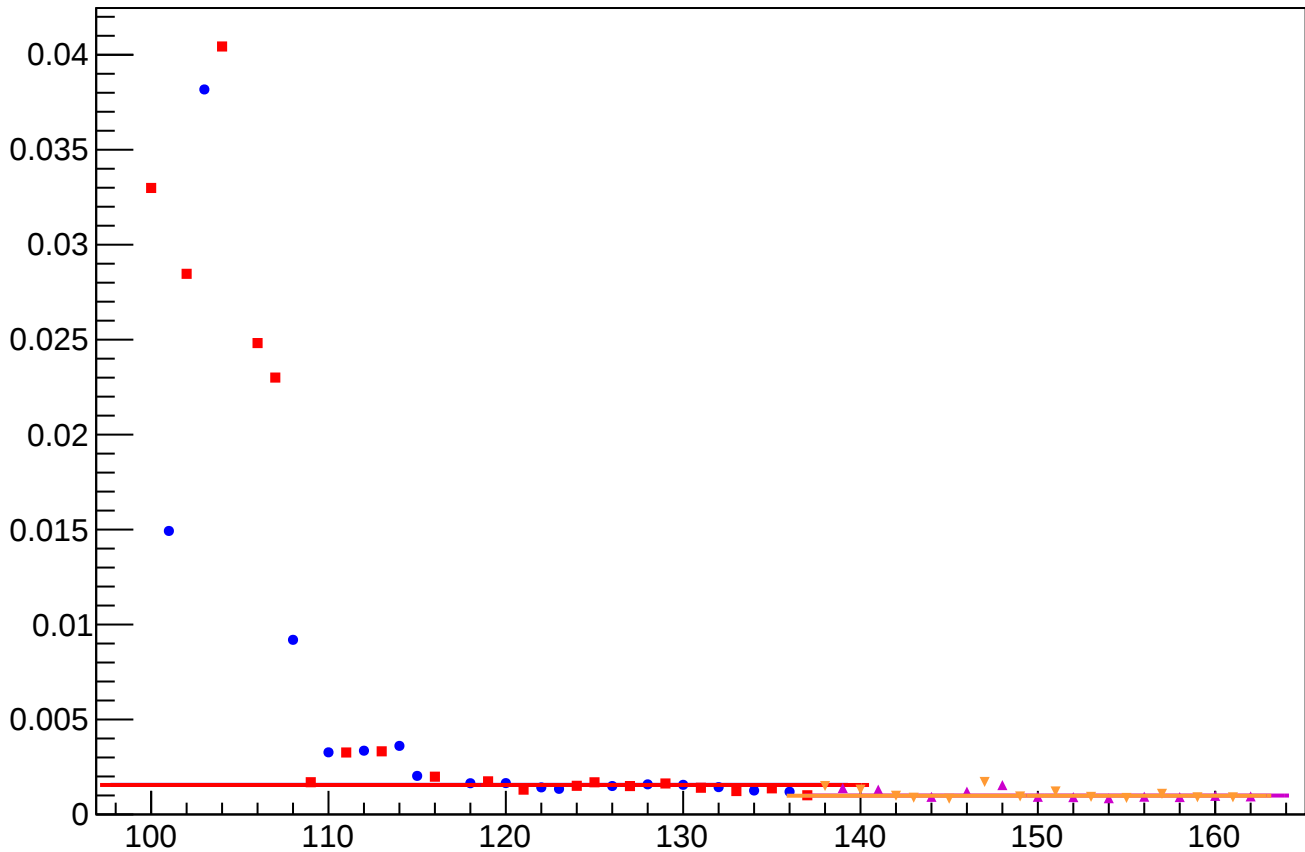
Left In: -0.121+/-0.000 χ^2/NDF : 20213493.3/11

+ sign -0.121+/-0.000 χ^2/NDF : 3948565086.9/29

All: -0.121+/-0.000 χ^2/NDF : 6485214190.3/6

- sign -0.120+/-0.000 χ^2/NDF : 2530300018.3/30

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 697830.9/12

Right Out: 0.002+/-0.000 χ^2/NDF : 3539455.6/18

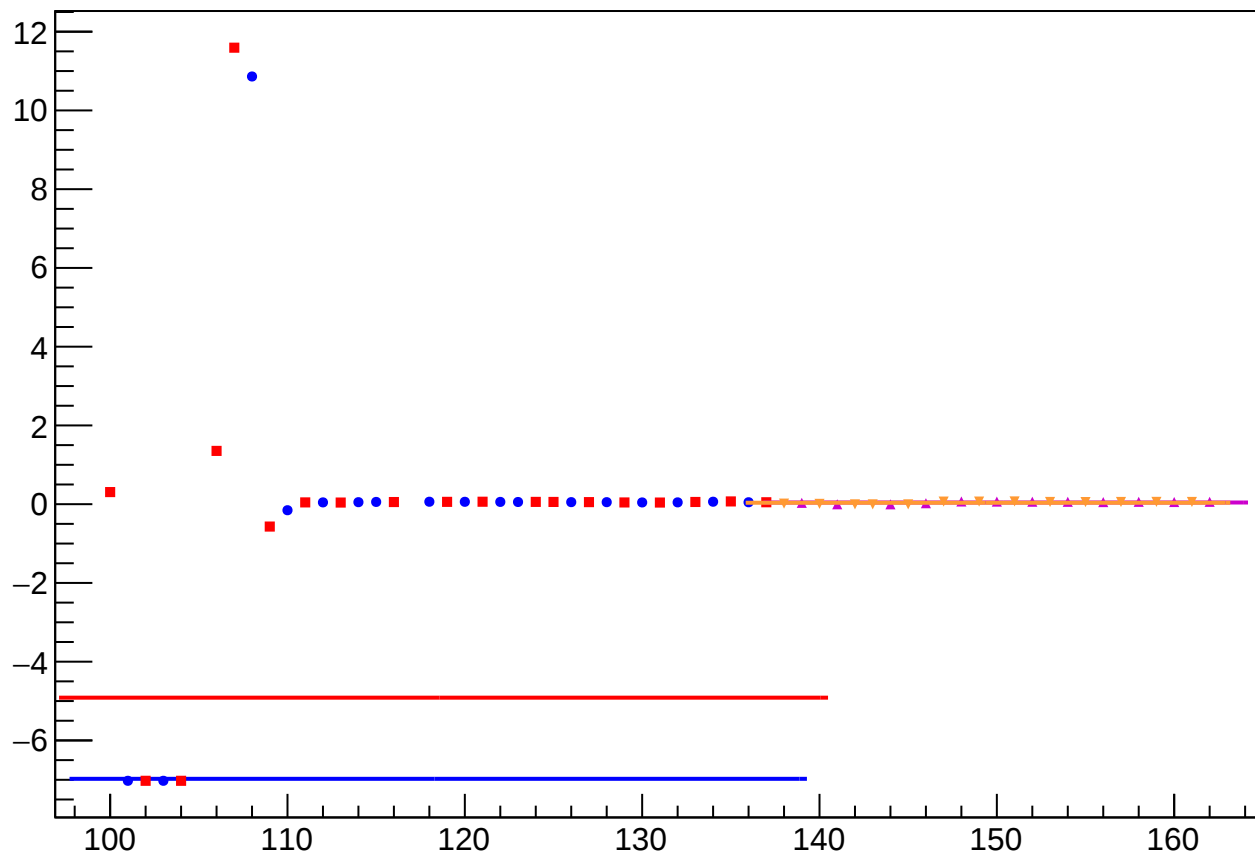
Left In: 0.001+/-0.000 χ^2/NDF : 518733.2/11

+ sign 0.001+/-0.000 χ^2/NDF : 4614887.0/29

All: 0.001+/-0.000 χ^2/NDF : 9644268.2/60

- sign 0.001+/-0.000 χ^2/NDF : 5028623.6/30

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8749579700722.8/16

Left Out: 0.036+/-0.000 χ^2 /NDF: 82854358.1/12

Right Out: -4.914+/-0.000 χ^2 /NDF: 365358092730279.9/18

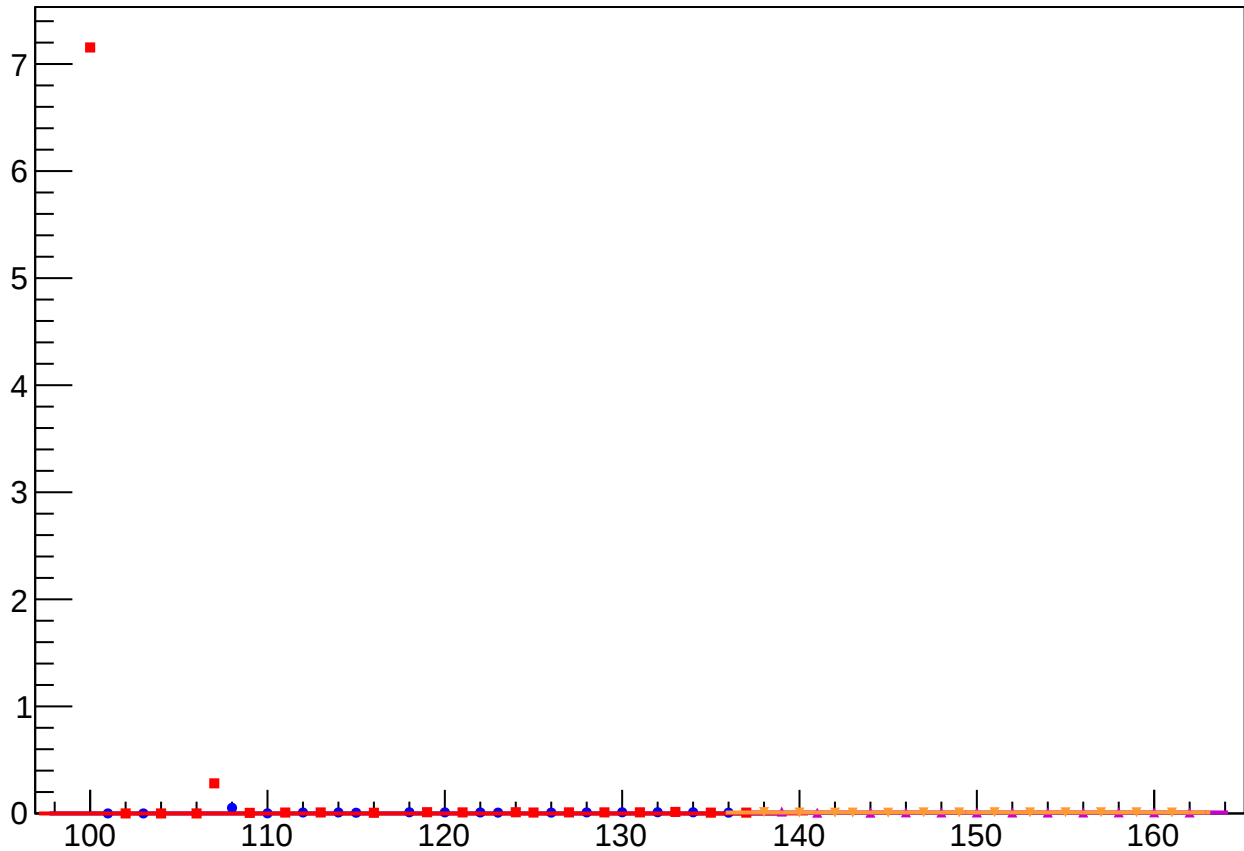
Left In: 0.043+/-0.000 χ^2 /NDF: 66620763.5/11

+ sign -6.950+/-0.000 χ^2 /NDF: 13270734935452.6/16

All: -5.880+/-0.000 χ^2 /NDF: 4366427283892.6/16

- sign -4.898+/-0.000 χ^2 /NDF: 367510644119253.2/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 408073.7/12

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

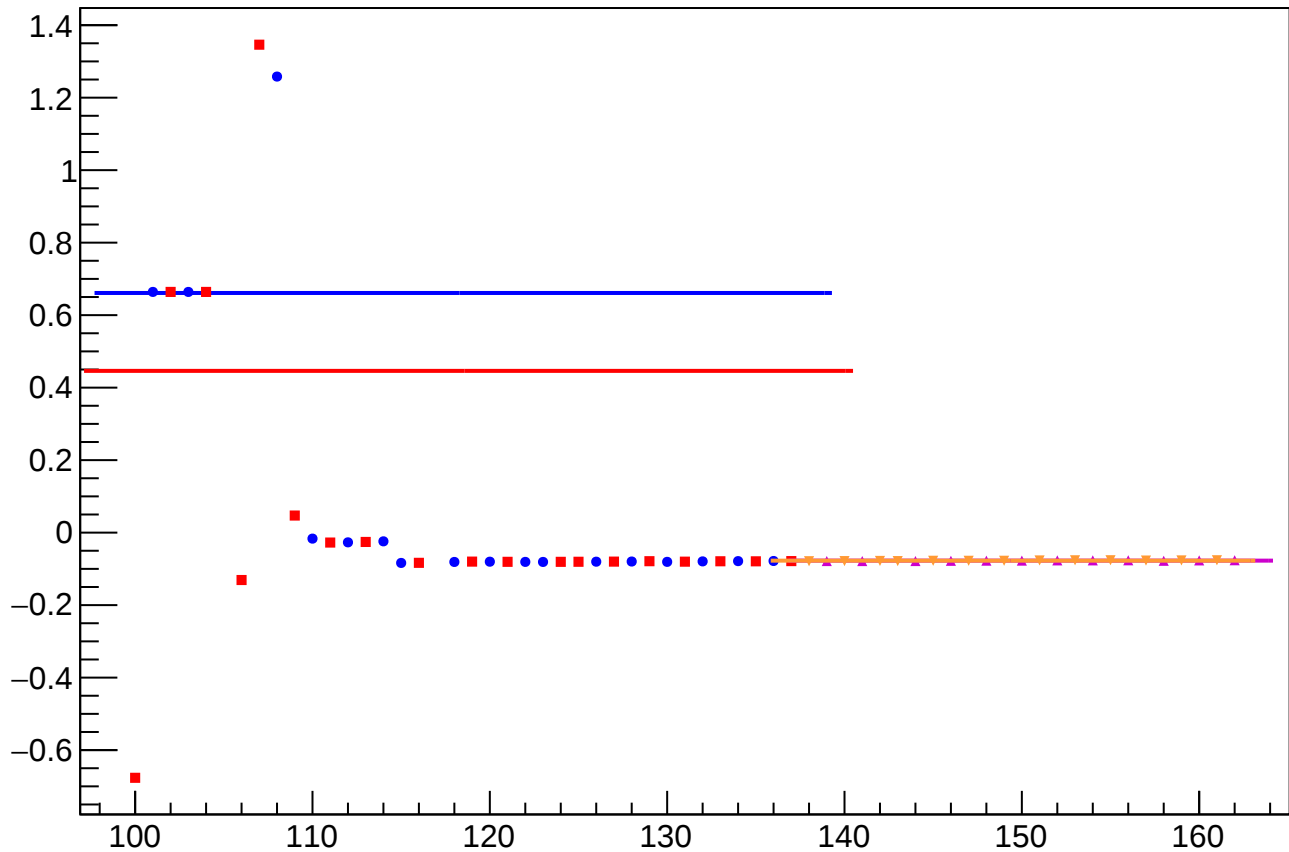
Left In: 0.009+/-0.000 χ^2/NDF : 498023.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 23196985.8/29

All: 0.000+/-0.000 χ^2/NDF : 47401413.6/60

- sign 0.000+/-0.000 χ^2/NDF : 24203372.3/30

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 : 23964148.7/12

Right Out: 0.446+/-0.000 χ^2/NDF : 405416924315199.0/18

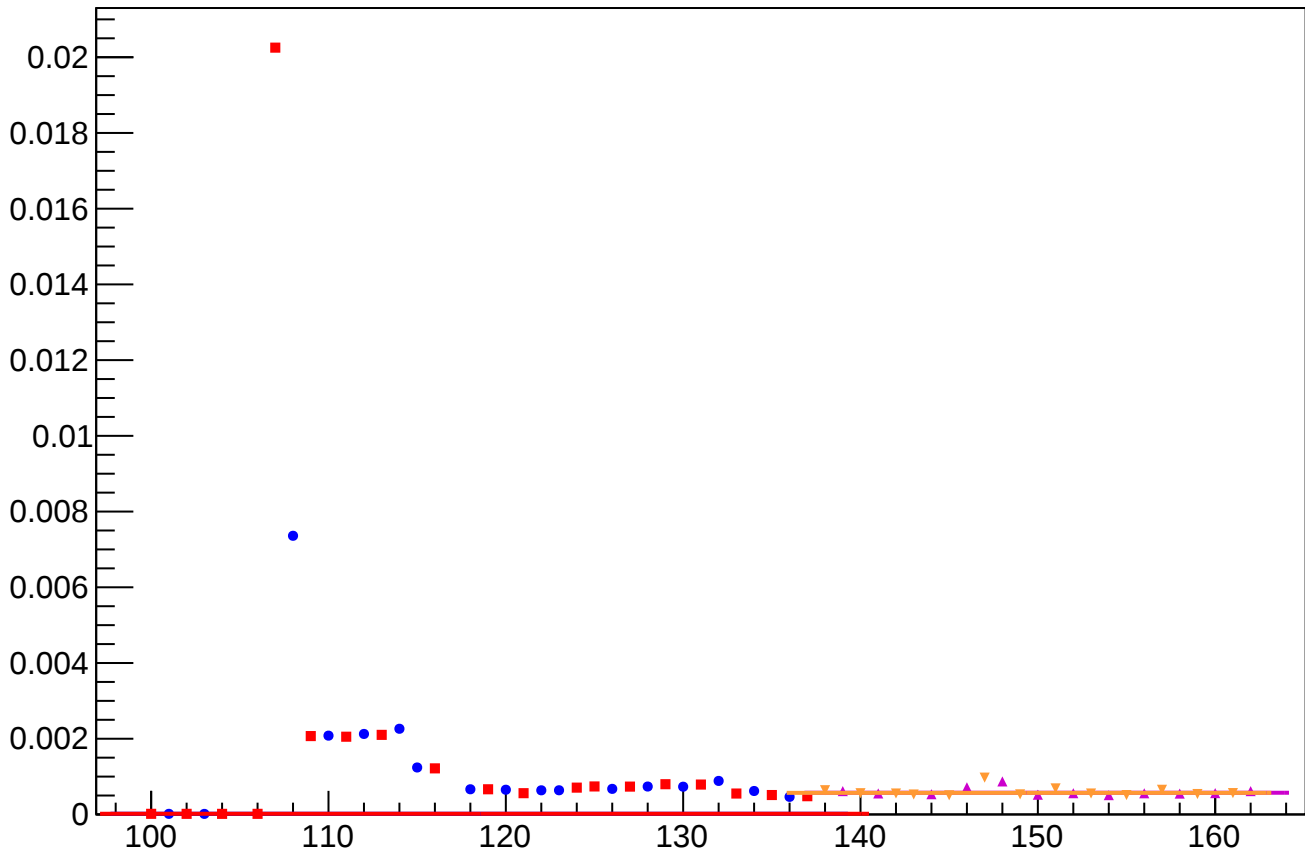
Left In: -0.077+/-0.000 χ^2/NDF : 18884728.5/11

+ sign 0.653+/-0.000 χ^2/NDF : 20771046507947.2/2

All: 0.542+/-0.000 χ^2/NDF : 49578739668122

- sign 0.441+/-0.000 χ^2/NDF : 413063461593073.9/2

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 : 407002.5/12

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

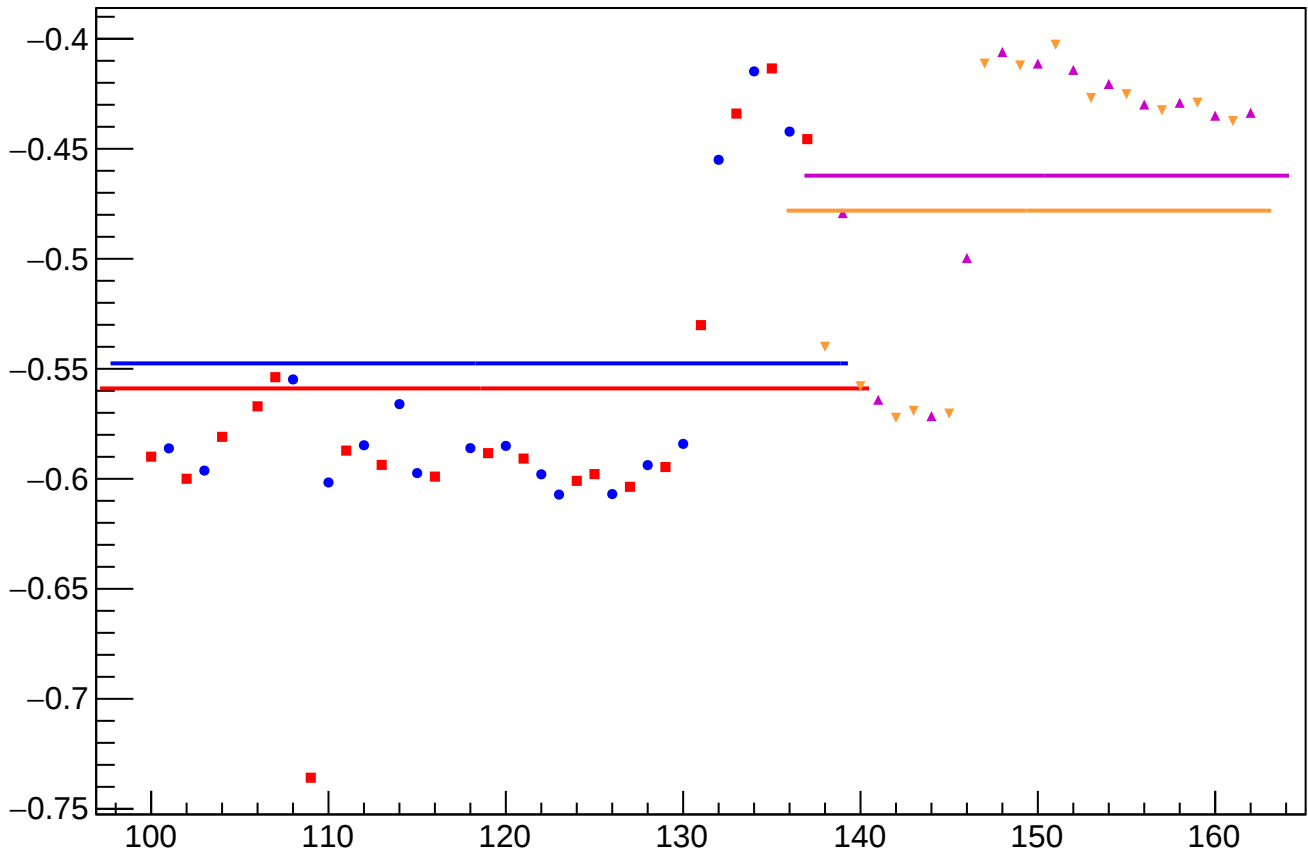
Left In: 0.001+/-0.000 χ^2/NDF : 311556.4/11

+ sign 0.000+/-0.000 χ^2/NDF : 27239935.9/29

All: 0.000+/-0.000 χ^2/NDF : 54223057.4/60

- sign 0.000+/-0.000 χ^2/NDF : 26982386.0/30

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.478+/-0.000 χ^2/NDF : 91927769.6/12

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

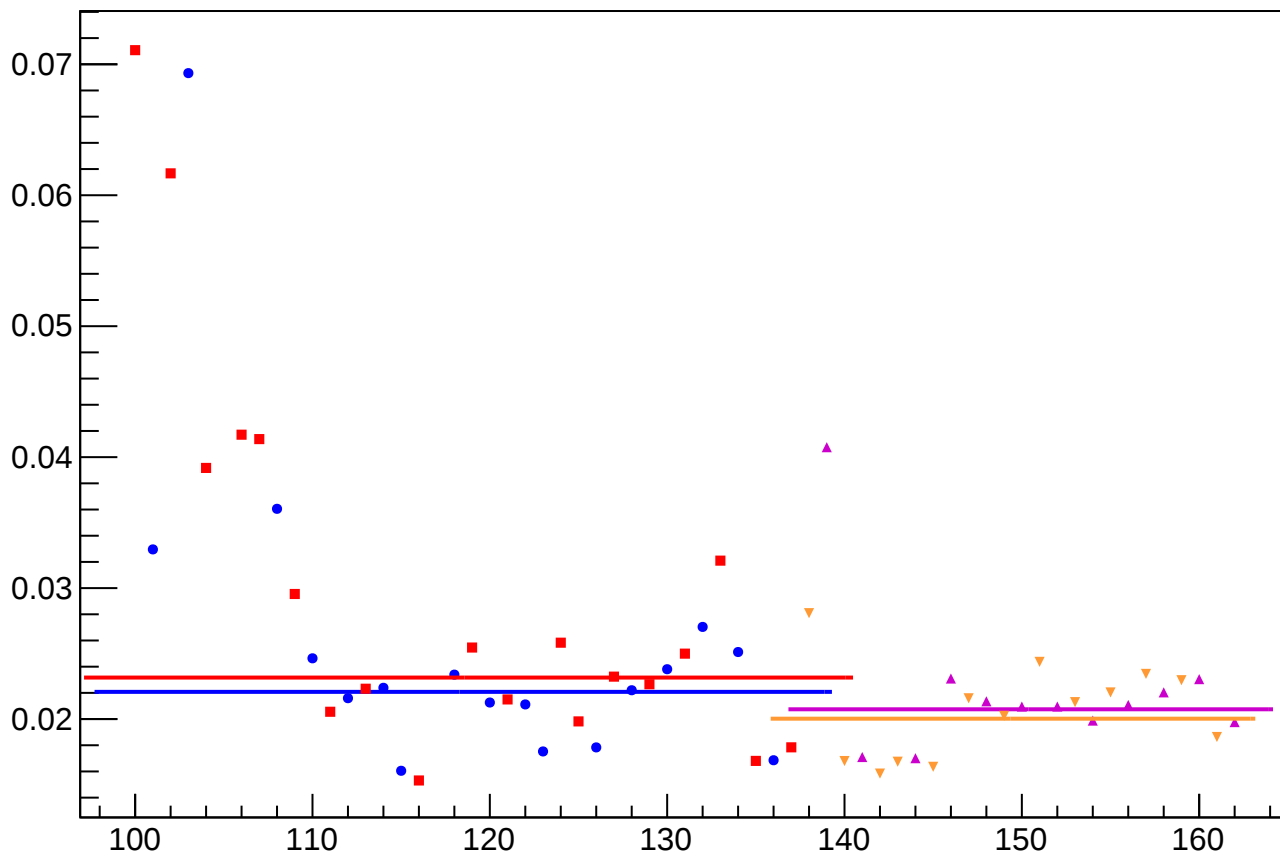
Left In: -0.462+/-0.000 χ^2/NDF : 68848368.4/11

+ sign -0.503+/-0.000 χ^2/NDF : 172684779.1/29

All: -0.500+/-0.000 χ^2/NDF : 367212255.9/60

- sign -0.497+/-0.000 χ^2/NDF : 193984295.5/30

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:390050.5/12

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156758.3/18

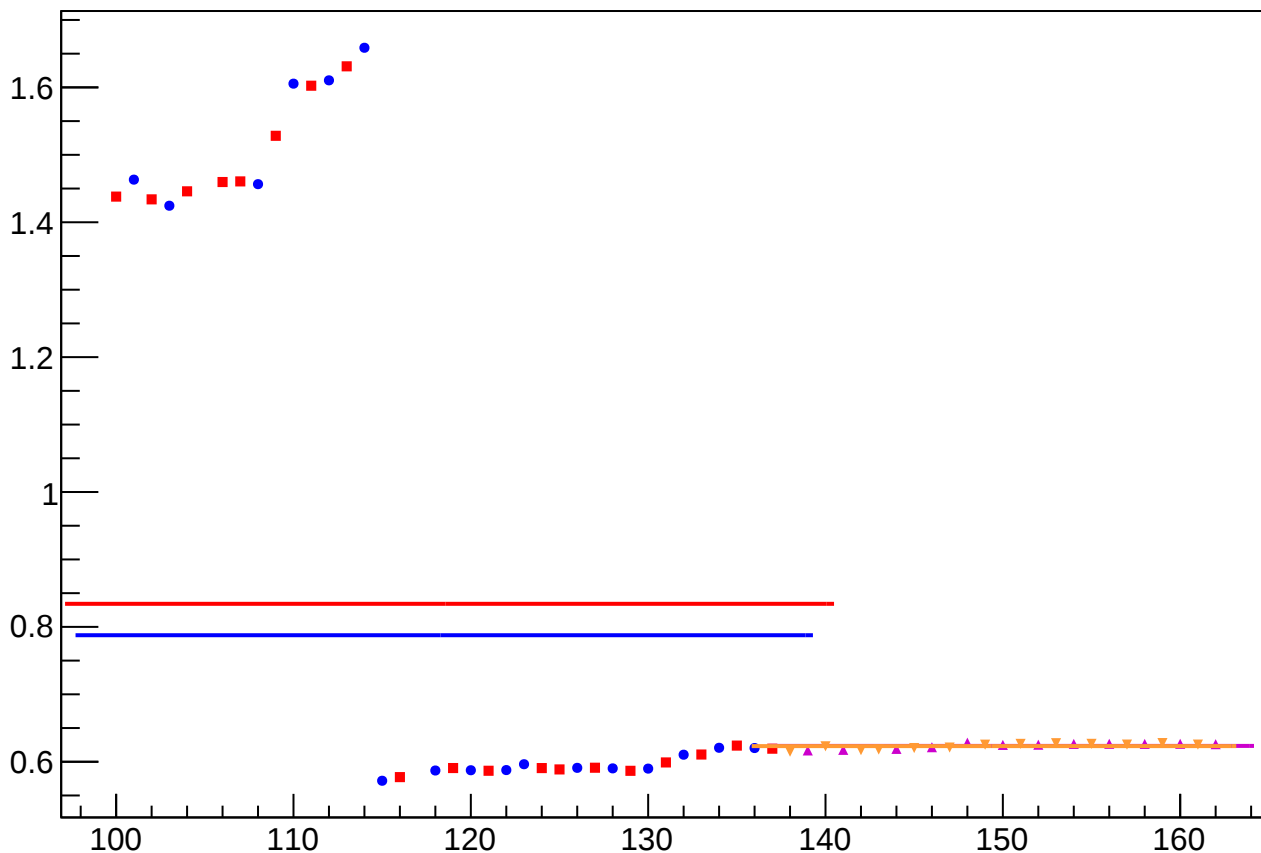
Left In: 0.021 $\pm$ 0.000 χ^2 /NDF:499631.1/11

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1400883.2/29

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3153023.7/60

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 1731455.4/30

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.623 $\pm$ 0.000 χ^2 /NDF:986855.6/12

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152115639.4/18

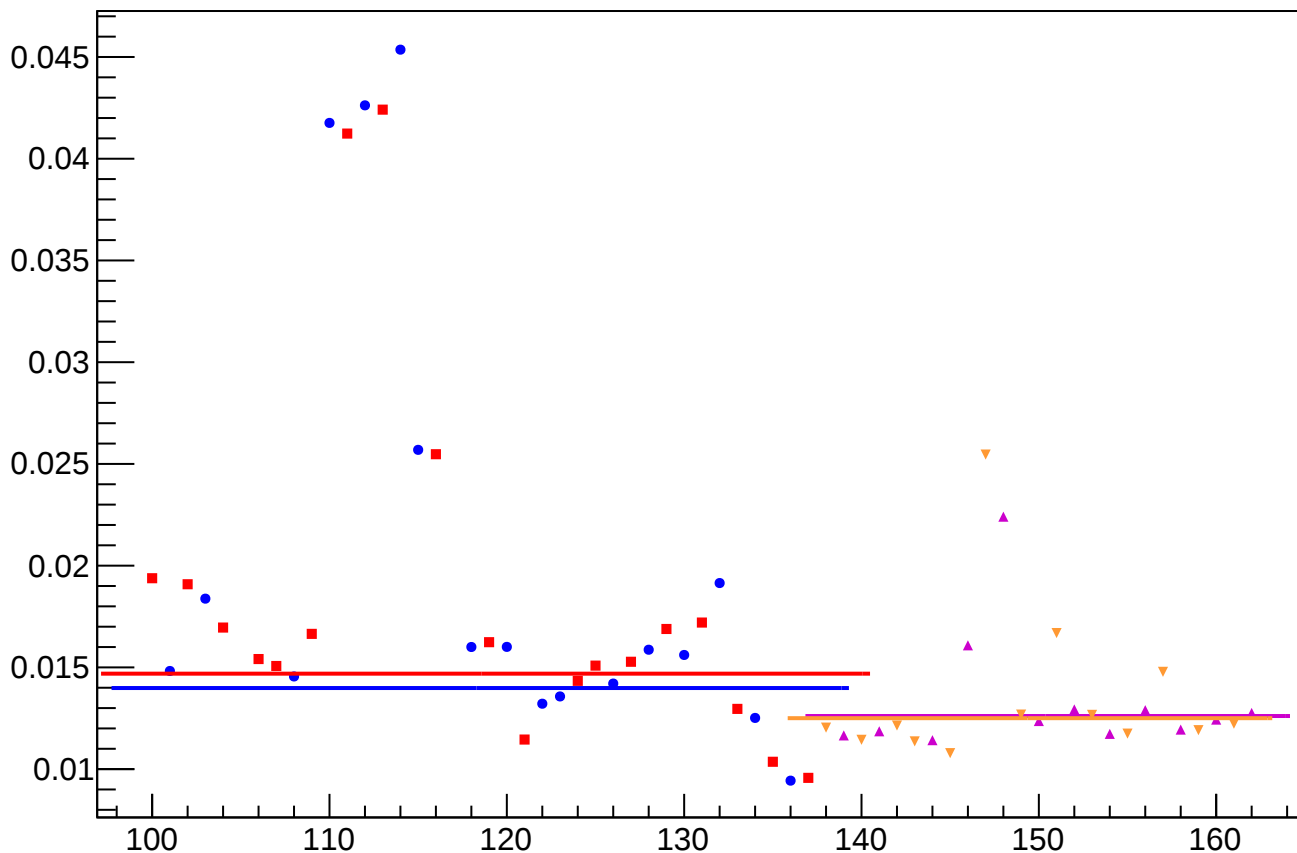
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:858948.7/11

+ sign 0.677 $\pm$ 0.000 χ^2 /NDF: 4103027319.1/29

All: 0.684 $\pm$ 0.000 χ^2 /NDF: 9101055004.3/60

- sign 0.692 $\pm$ 0.000 χ^2 /NDF: 4989370317.3/30

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF :588310.1/12

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1258511.3/18

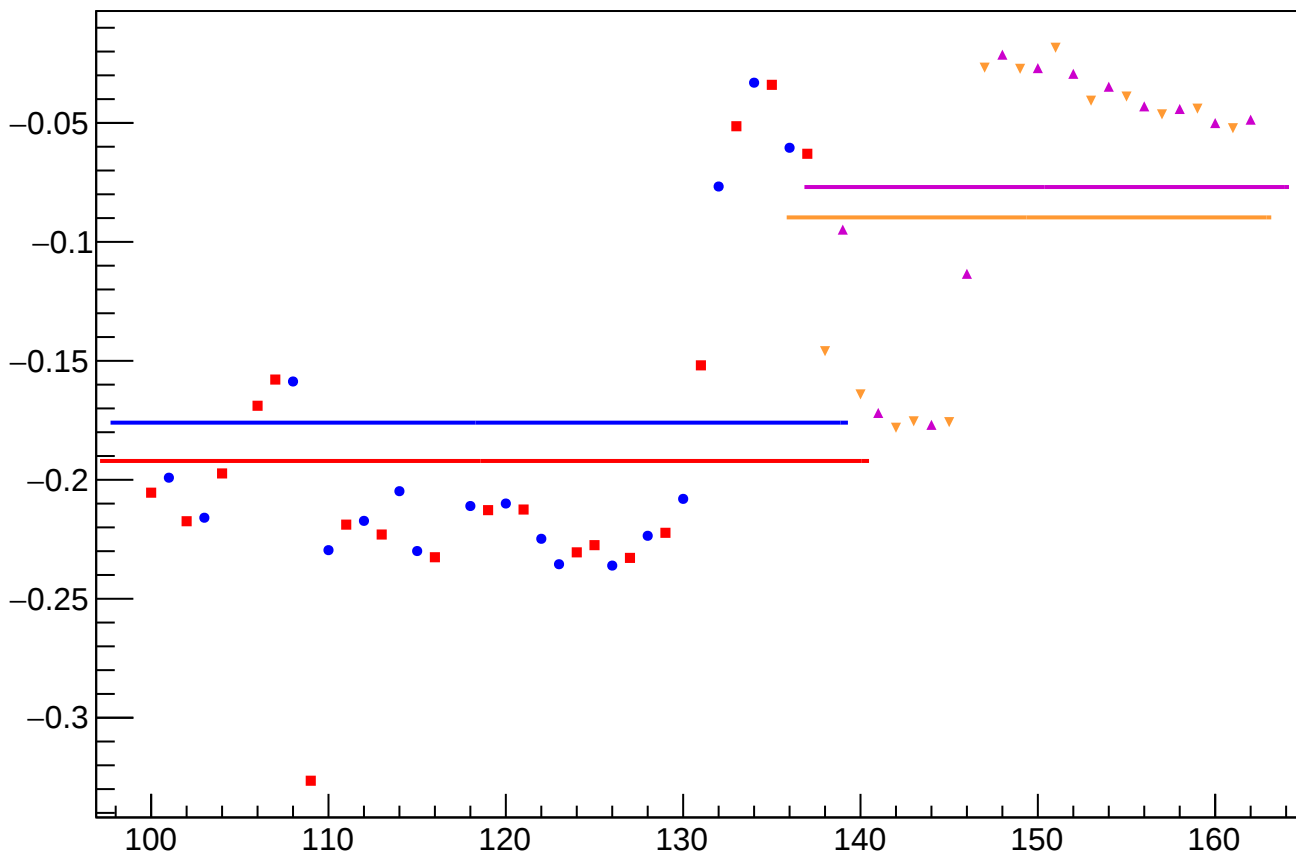
Left In: 0.013 $\pm$ 0.000 χ^2/NDF :409651.7/11

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2071366.6/29

All: 0.013 $\pm$ 0.000 χ^2/NDF : 3910062.5/60

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 1831405.8/30

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.090+/-0.000 χ^2/NDF : 88594803.5/12

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

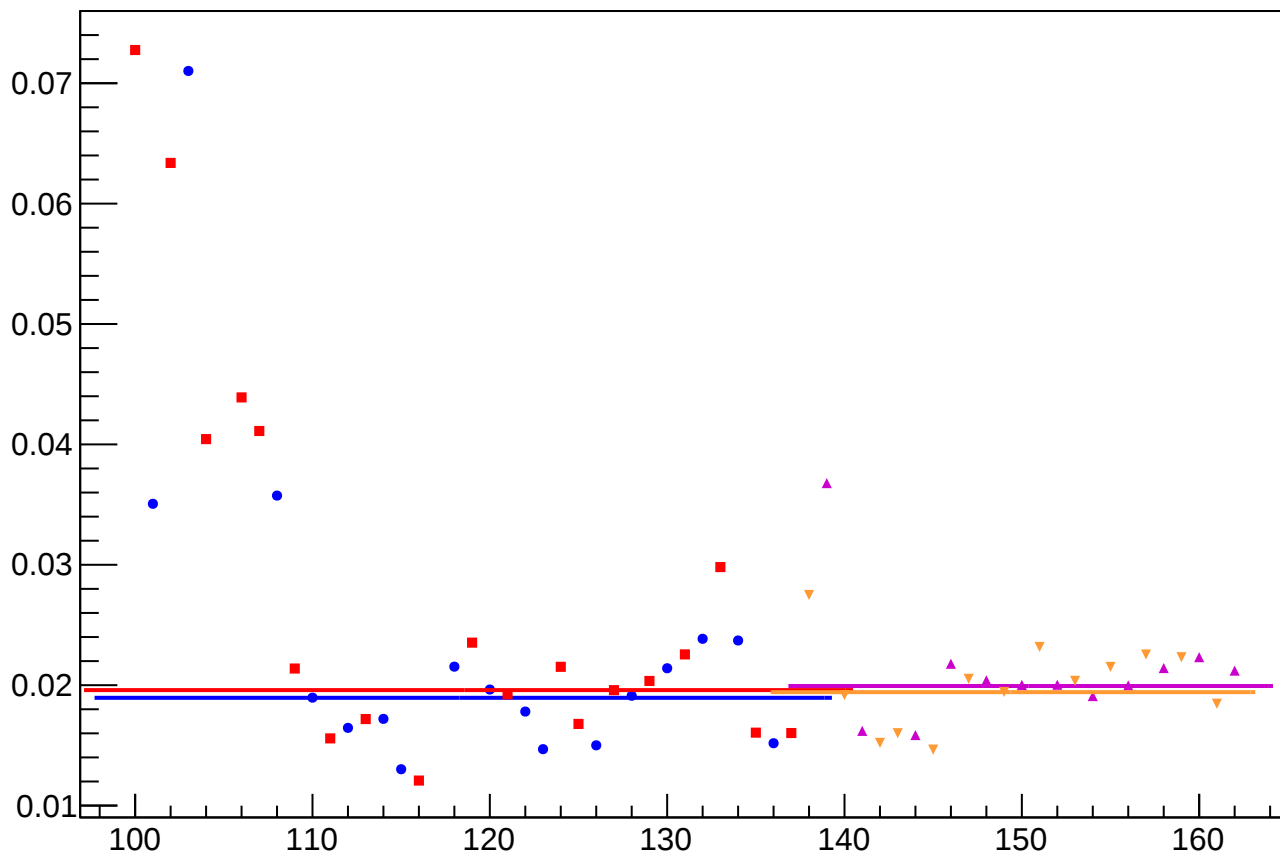
Left In: -0.077+/-0.000 χ^2/NDF : 69644424.8/11

+ sign -0.125+/-0.000 χ^2/NDF : 219835347.2/29

All: -0.124+/-0.000 χ^2/NDF : 478864341.0/60

- sign -0.124+/-0.000 χ^2/NDF : 259020128.7/30

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1203275.7/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 415978.7/12

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1455327.3/18

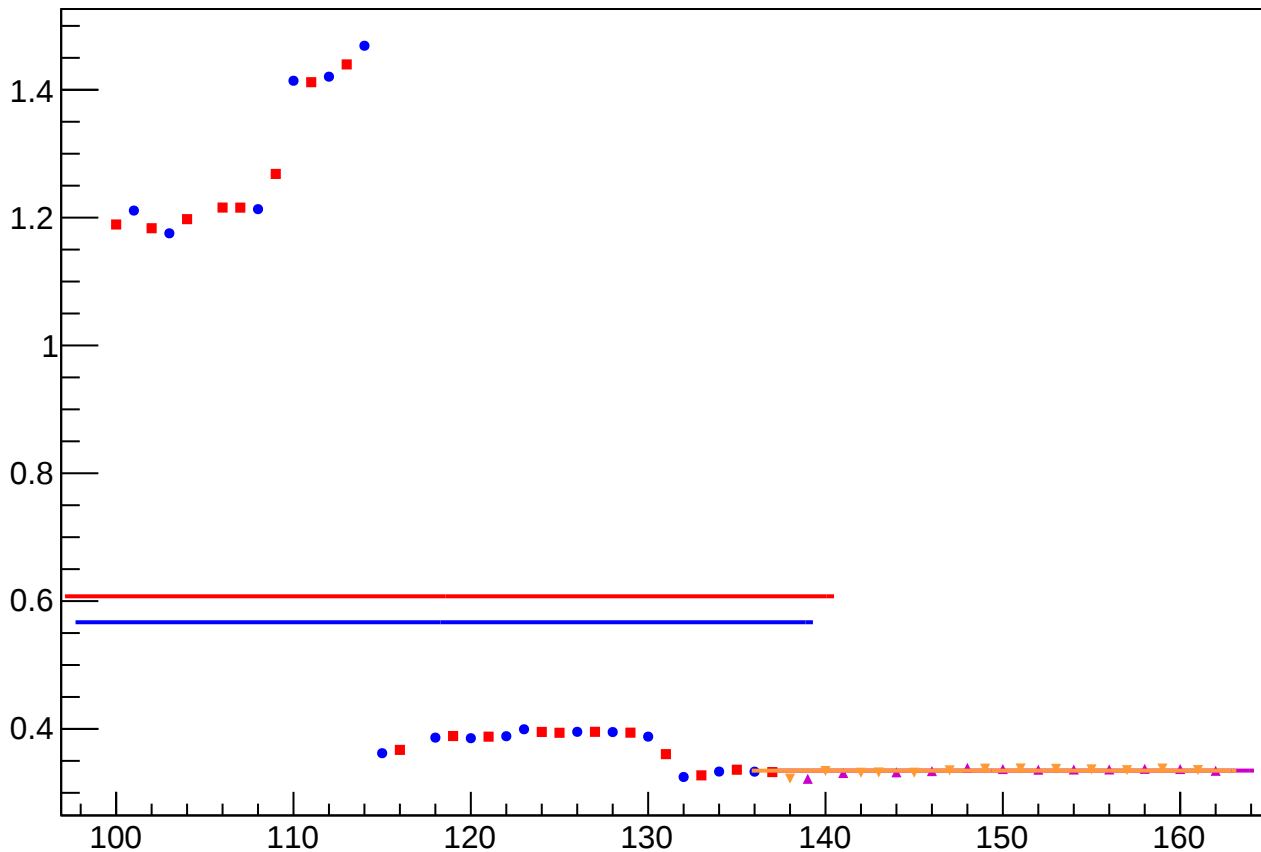
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 488304.2/11

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1622877.2/29

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3578933.2/60

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1945471.9/30

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 :1065647.5/12

Right Out: 0.607+/-0.000 χ^2/NDF : 5505226431.3/18

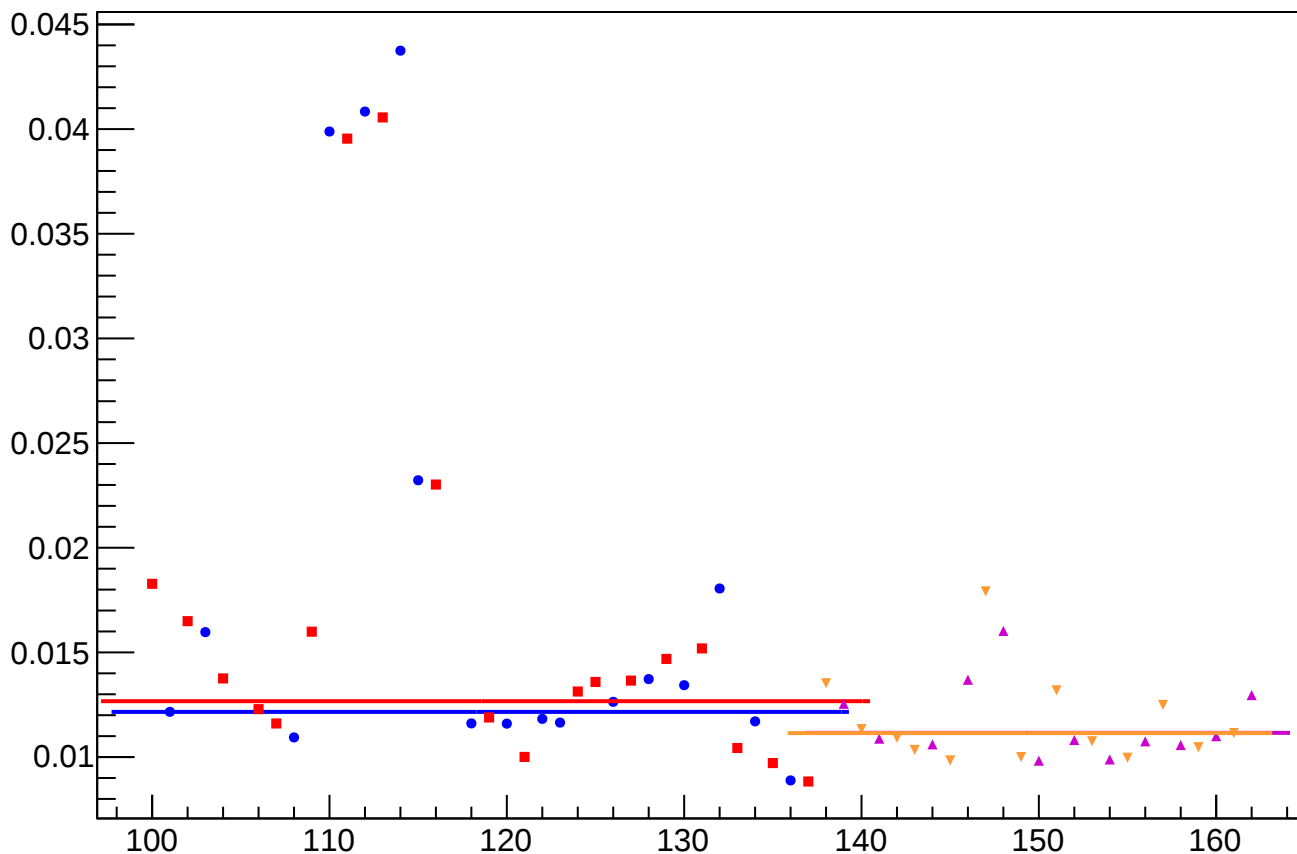
Left In: 0.335+/-0.000 χ^2/NDF :1150935.8/11

+ sign 0.414+/-0.000 χ^2/NDF : 6367503070.9/29

All: 0.419+/-0.000 χ^2/NDF : 13707373736.8/6

- sign 0.425+/-0.000 χ^2/NDF : 7332811118.8/30

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:394865.2/12

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

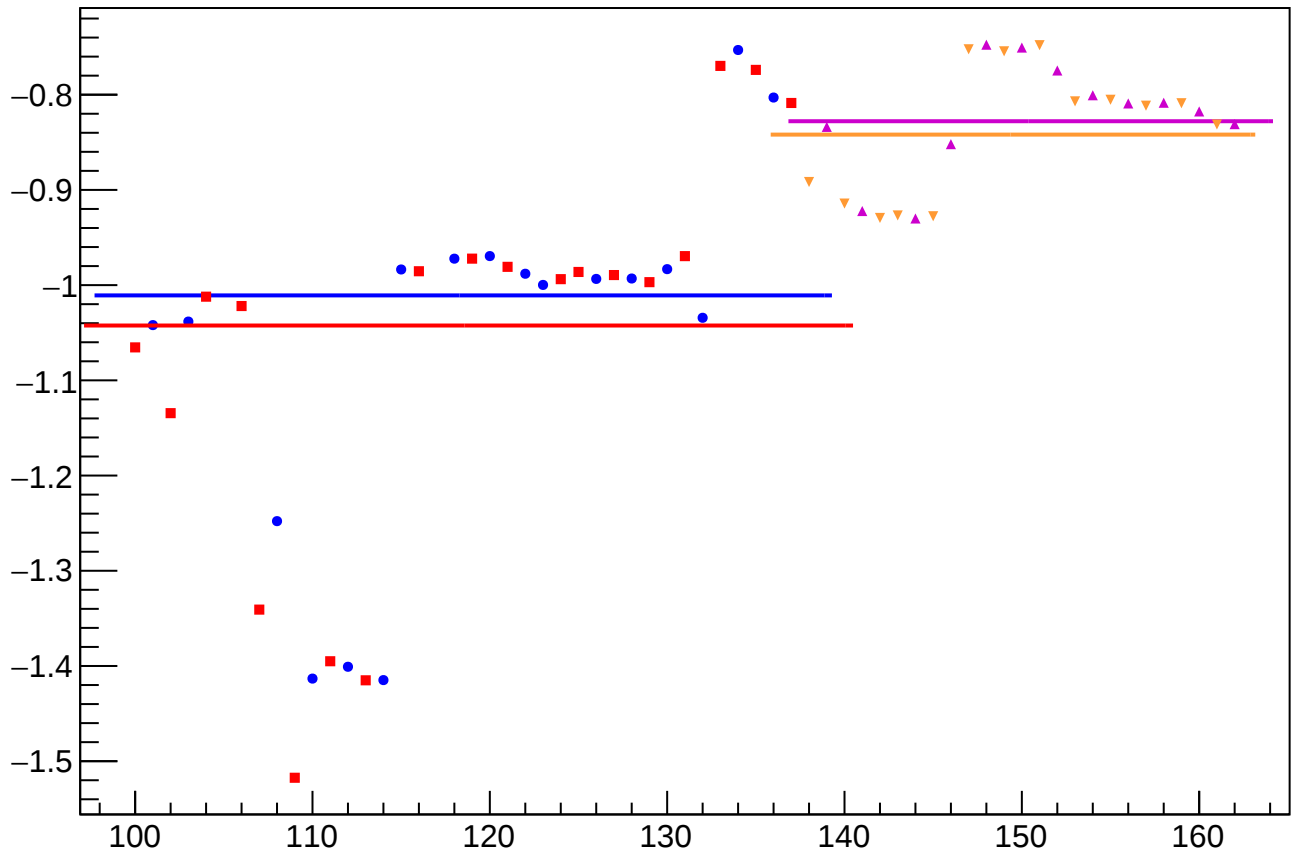
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:311913.8/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1754184.6/29

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3448904.1/60

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1691615.8/30

yield_bpm4acX_mean vs Slug



Right In: -1.011 ± 0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.842 ± 0.000 χ^2/NDF : 91637790.9/12

Right Out: -1.042 ± 0.000 χ^2/NDF : 528958824.5/18

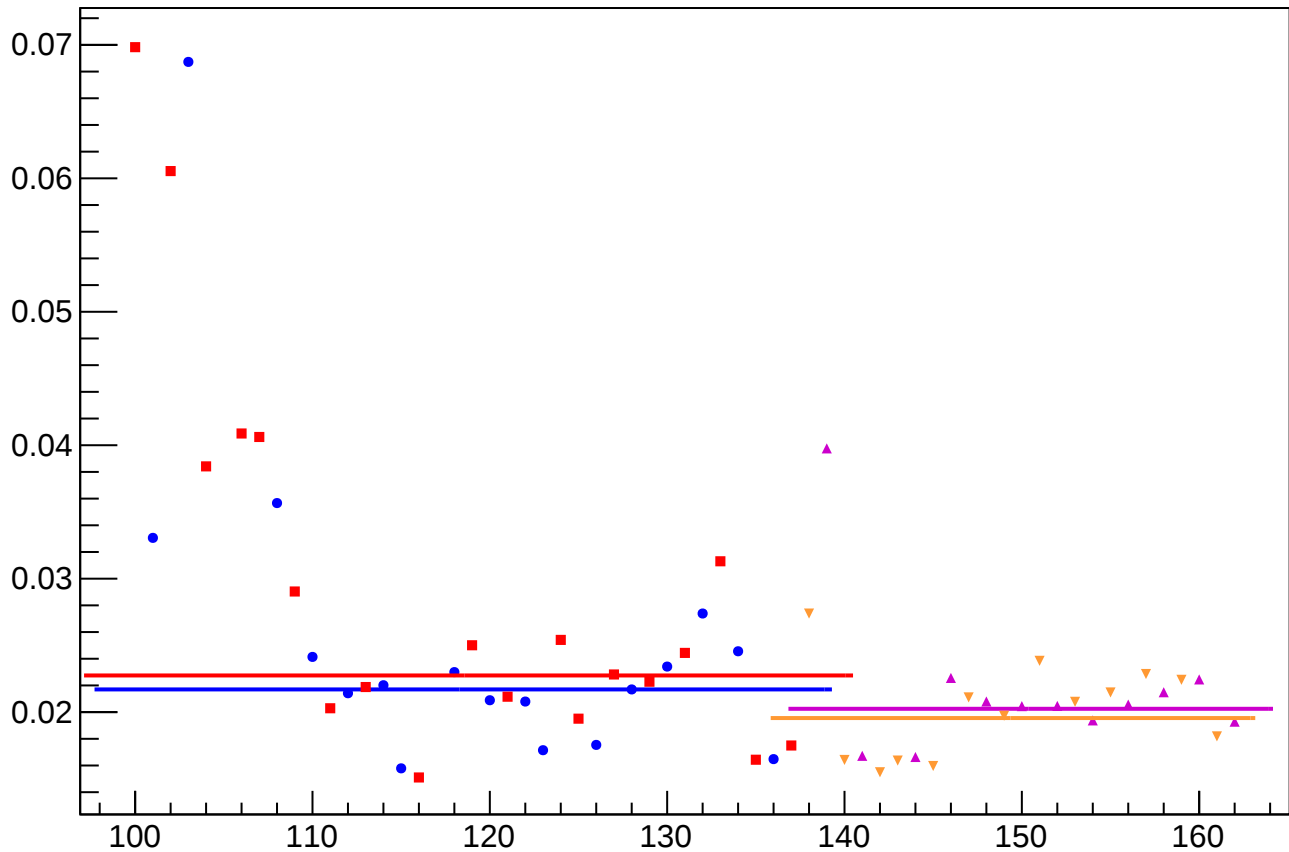
Left In: -0.828 ± 0.000 χ^2/NDF : 70019968.5/11

+ sign -0.901 ± 0.000 χ^2/NDF : 676759010.5/29

All: -0.902 ± 0.000 χ^2/NDF : 1582055587.6/6

- sign -0.903 ± 0.000 χ^2/NDF : 905226930.6/30

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 388071.6/12

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

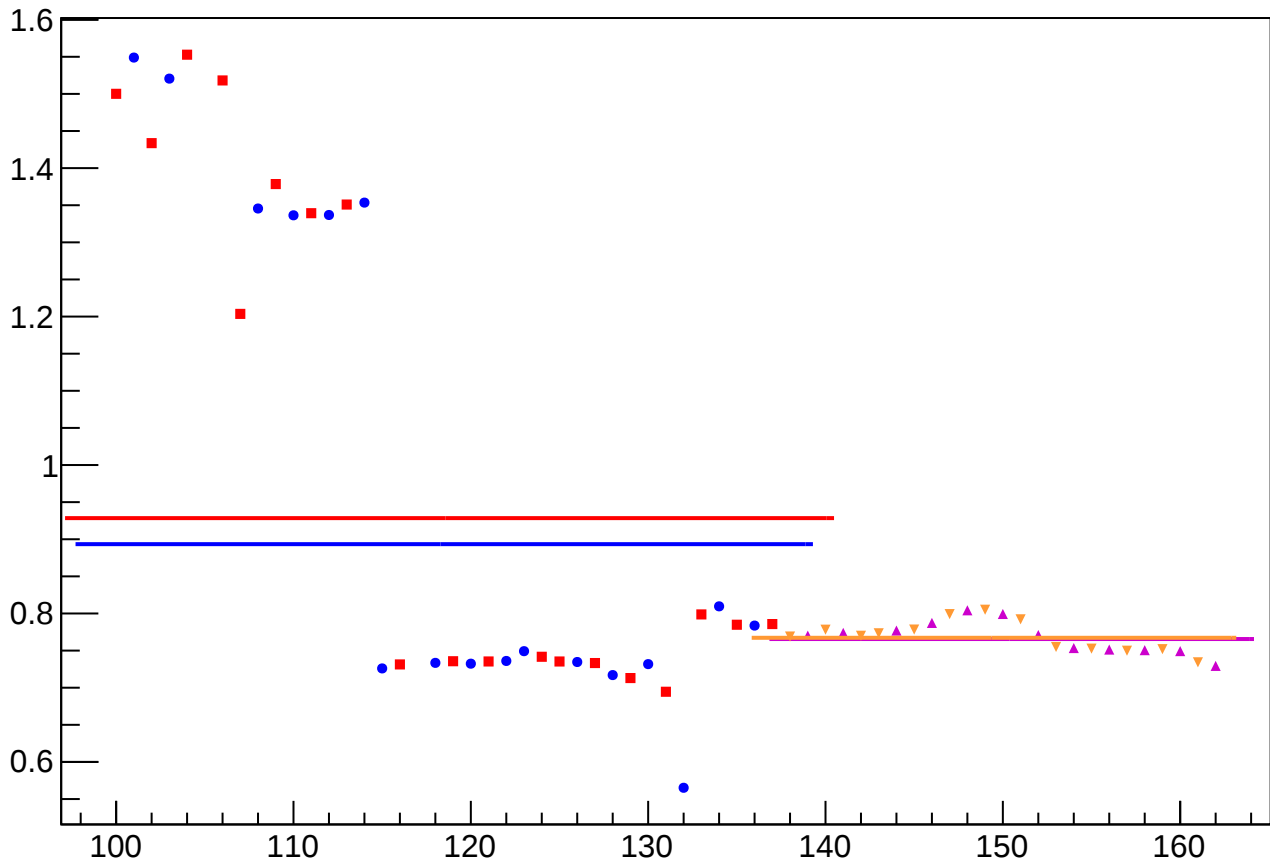
Left In: 0.020+/-0.000 χ^2/NDF : 496505.8/11

+ sign 0.020+/-0.000 χ^2/NDF : 1431297.4/29

All: 0.021+/-0.000 χ^2/NDF : 3183218.5/60

- sign 0.021+/-0.000 χ^2/NDF : 1731879.0/30

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.767+/-0.000 χ^2/NDF : 21511774.8/12

Right Out: 0.928+/-0.000 χ^2/NDF : 2435640156.0/18

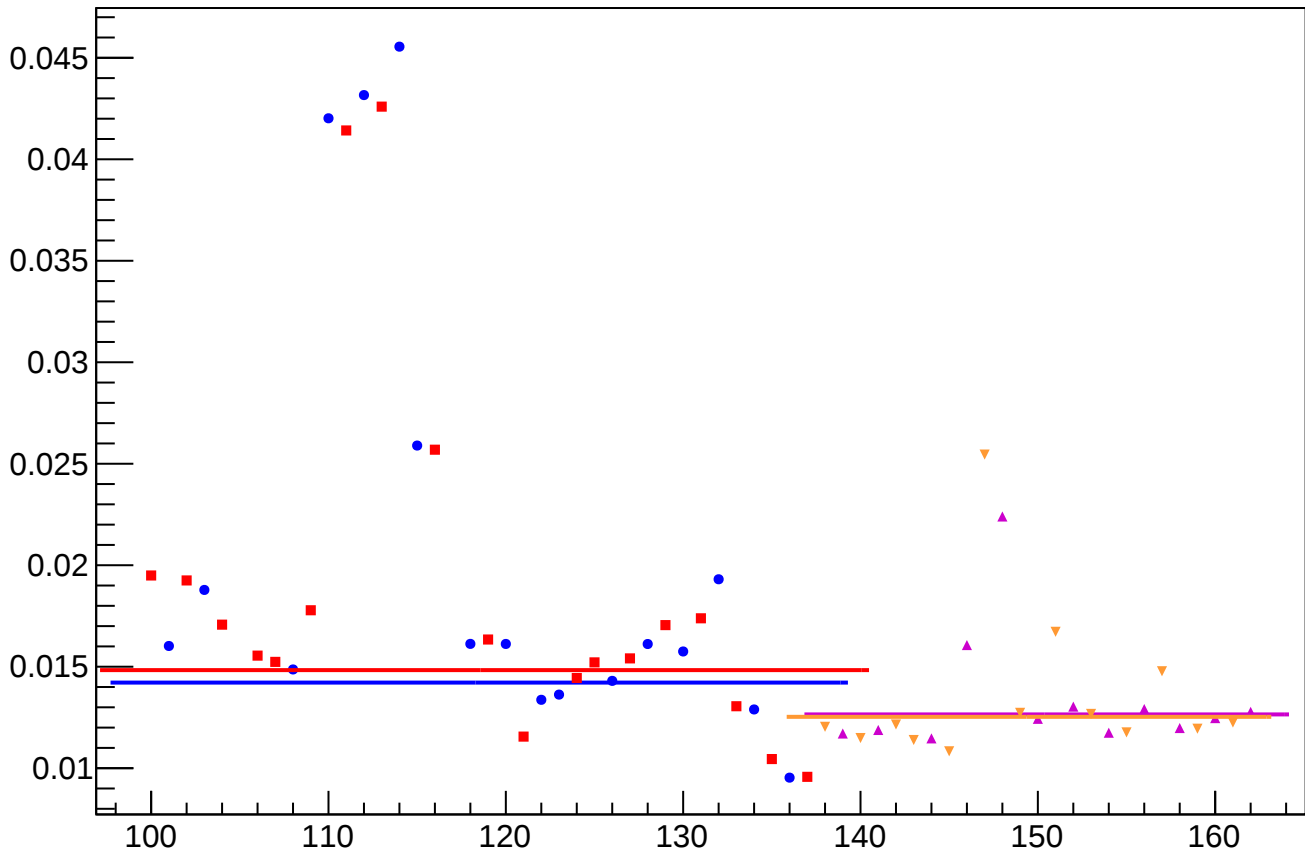
Left In: 0.766+/-0.000 χ^2/NDF : 21880702.7/11

+ sign 0.808+/-0.000 χ^2/NDF : 2727689856.4/29

All: 0.813+/-0.000 χ^2/NDF : 5680319107.8/60

- sign 0.818+/-0.000 χ^2/NDF : 2948605401.1/30

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:583753.5/12

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1269559.2/18

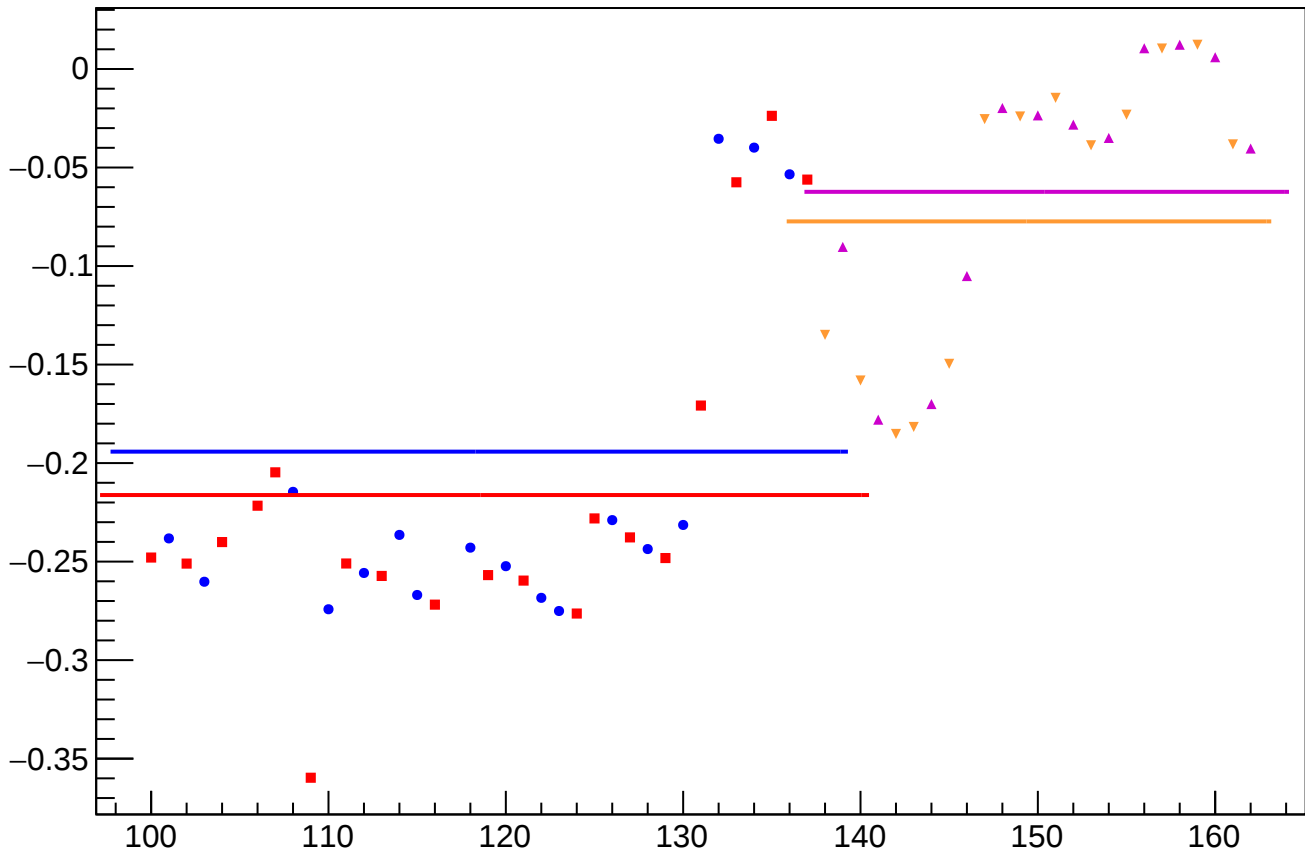
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:405254.2/11

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2099989.2/29

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3957477.5/60

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1851151.0/30

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.077+/-0.000 χ^2/NDF : 106900254.2/12

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

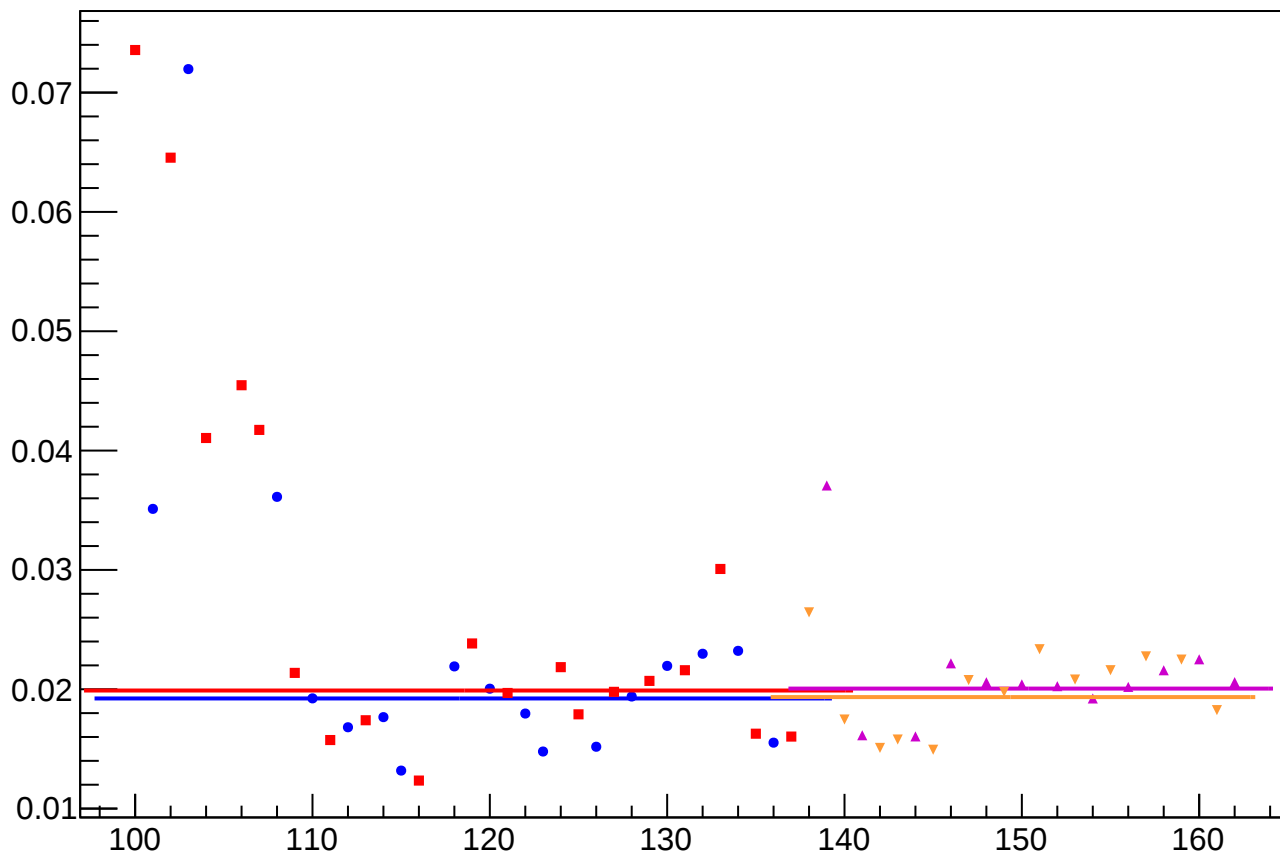
Left In: -0.062+/-0.000 χ^2/NDF : 94181933.7/11

+ sign -0.124+/-0.000 χ^2/NDF : 325666200.7/29

All: -0.124+/-0.000 χ^2/NDF : 715790834.1/60

- sign -0.124+/-0.000 χ^2/NDF : 390119276.5/30

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 : 417862.5/12

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

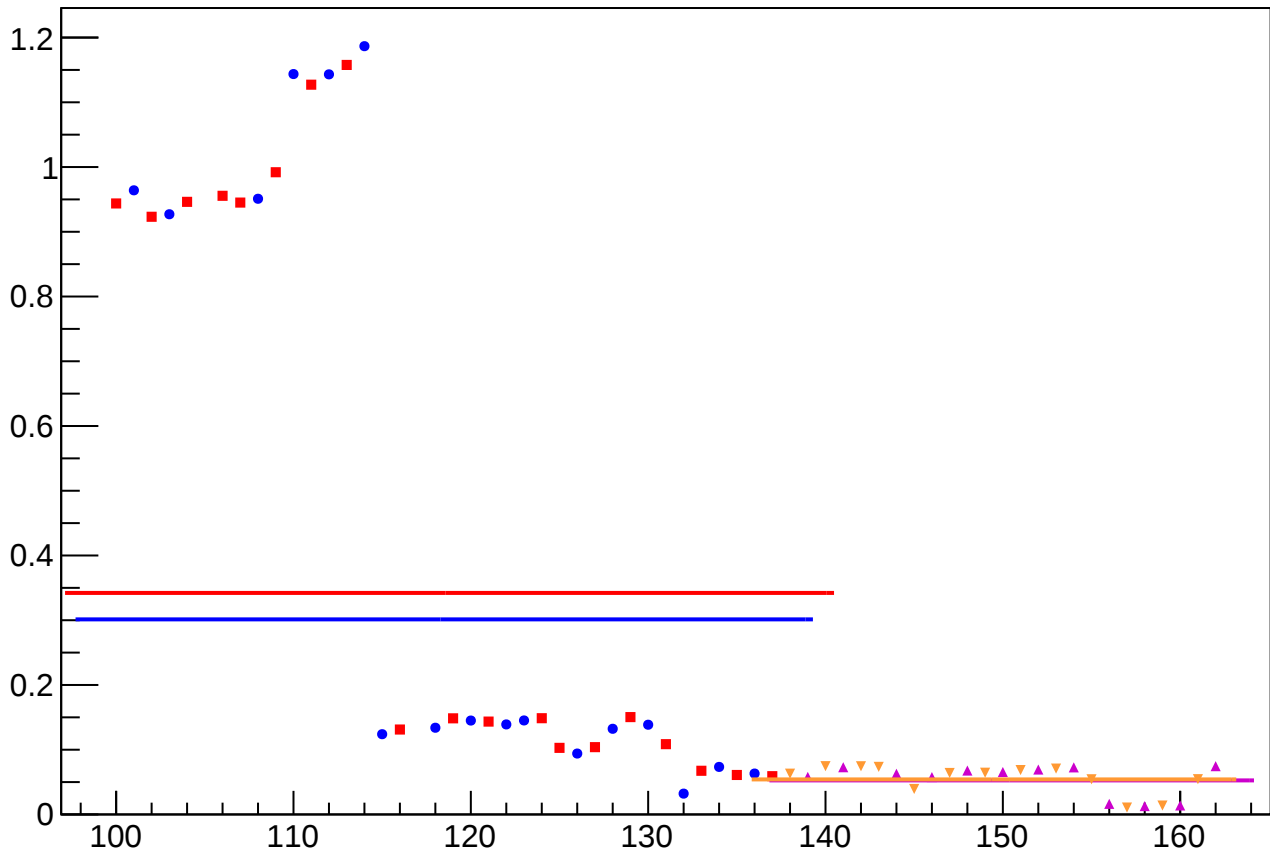
Left In: 0.020+/-0.000 χ^2/NDF : 491381.7/11

+ sign 0.019+/-0.000 χ^2/NDF : 1592649.3/29

All: 0.020+/-0.000 χ^2/NDF : 3544788.2/60

- sign 0.020+/-0.000 χ^2/NDF : 1936229.6/30

yield_bpm4ecY_mean vs Slug



Right In: 0.301 $\pm$ 0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.054 $\pm$ 0.000 χ^2/NDF : 34623961.3/12

Right Out: 0.342 $\pm$ 0.000 χ^2/NDF : 5442717599.3/18

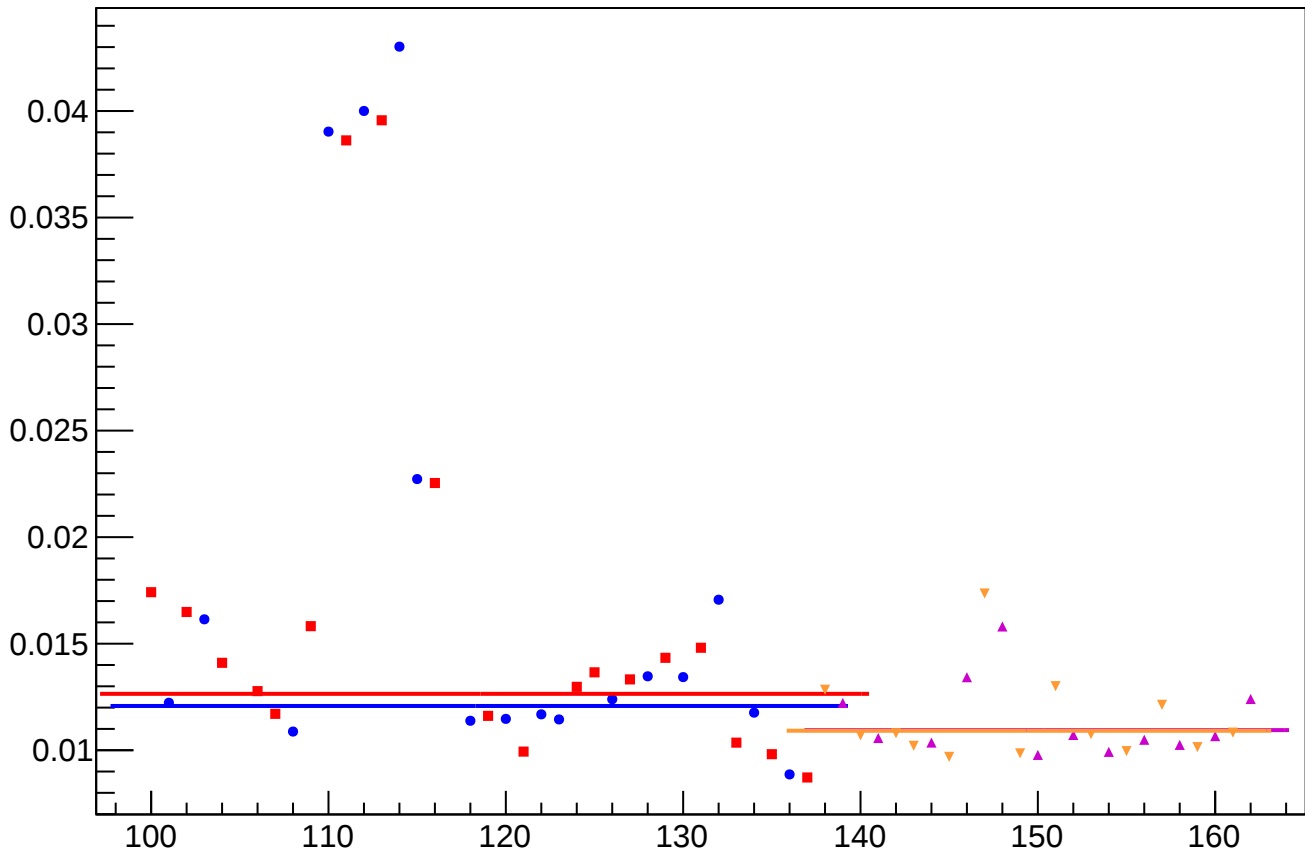
Left In: 0.053 $\pm$ 0.000 χ^2/NDF : 45507347.3/11

+ sign 0.136 $\pm$ 0.000 χ^2/NDF : 6756360079.7/29

All: 0.141 $\pm$ 0.000 χ^2/NDF : 14341151338.6/6

- sign 0.146 $\pm$ 0.000 χ^2/NDF : 7579643616.2/30

yield_bpm4ecY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 363086.8/12

Right Out: 0.013 ± 0.000 χ^2/NDF : 1236084.9/18

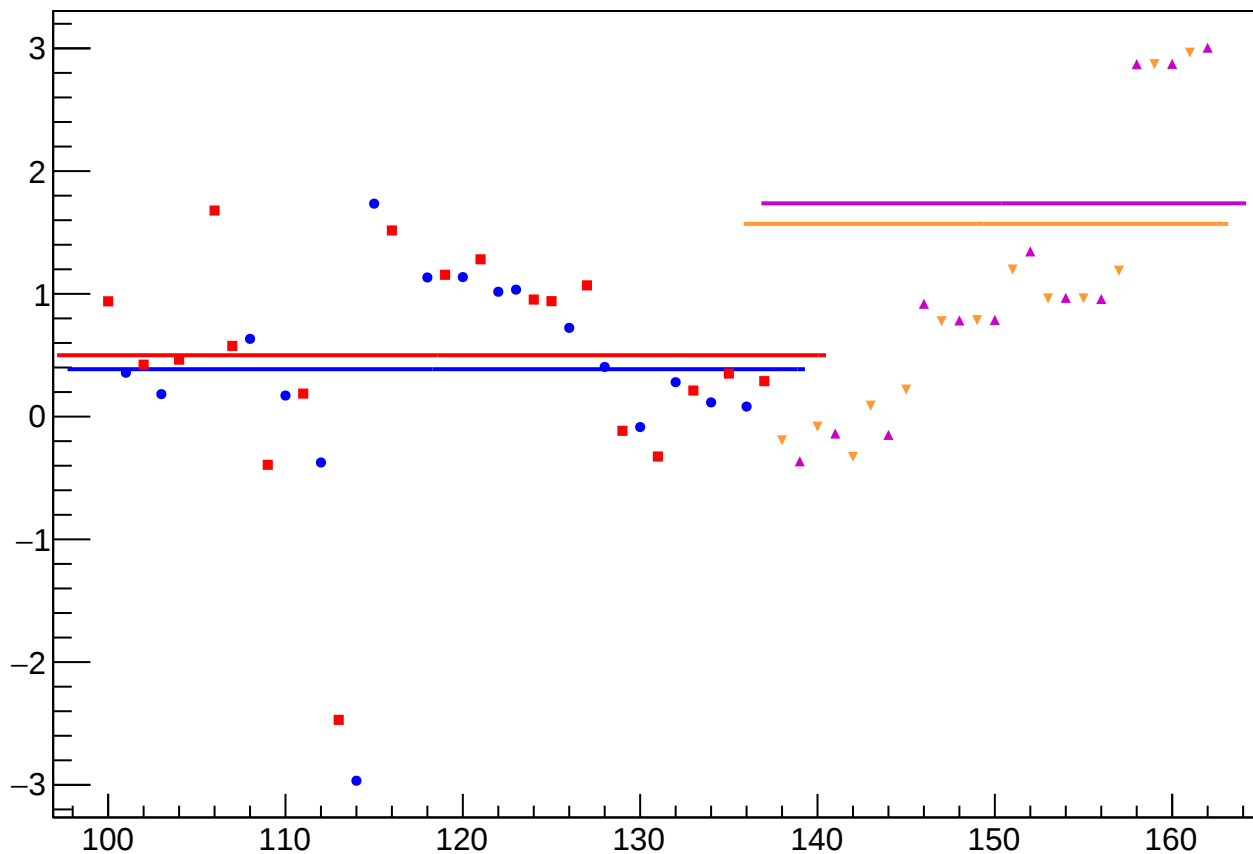
Left In: 0.011 ± 0.000 χ^2/NDF : 293417.3/11

+ sign 0.011 ± 0.000 χ^2/NDF : 1712519.5/29

All: 0.011 ± 0.000 χ^2/NDF : 3390779.1/60

- sign 0.011 ± 0.000 χ^2/NDF : 1674106.1/30

yield_bpm1X_mean vs Slug



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.570+/-0.000 χ^2/NDF : 19026826837.4/12

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

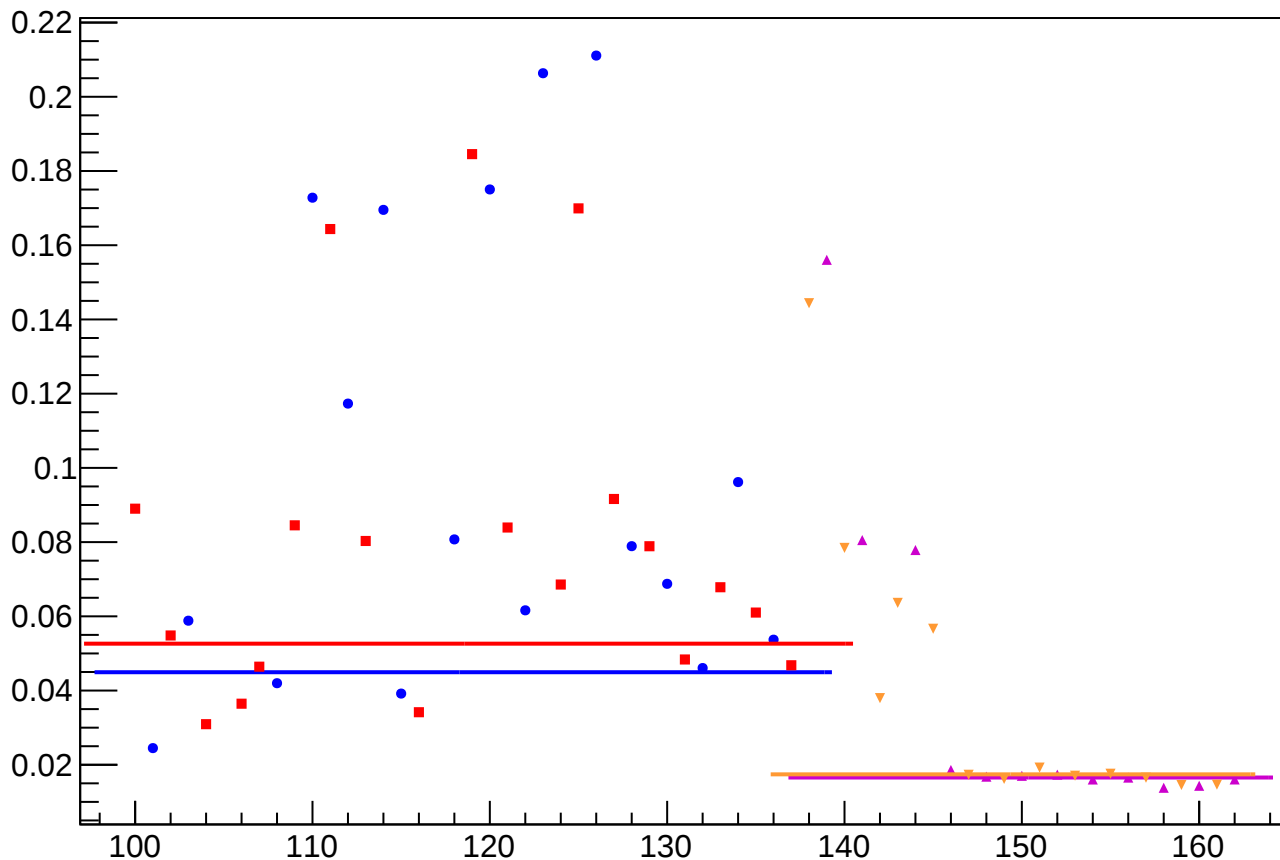
Left In: 1.737+/-0.000 χ^2/NDF : 23689896861.4/11

+ sign 1.480+/-0.000 χ^2/NDF : 21535358929.8/29

All: 1.579+/-0.000 χ^2/NDF : 48785331309.6/6

- sign 1.667+/-0.000 χ^2/NDF : 26821830243.0/30

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 : 2717108.9/12

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

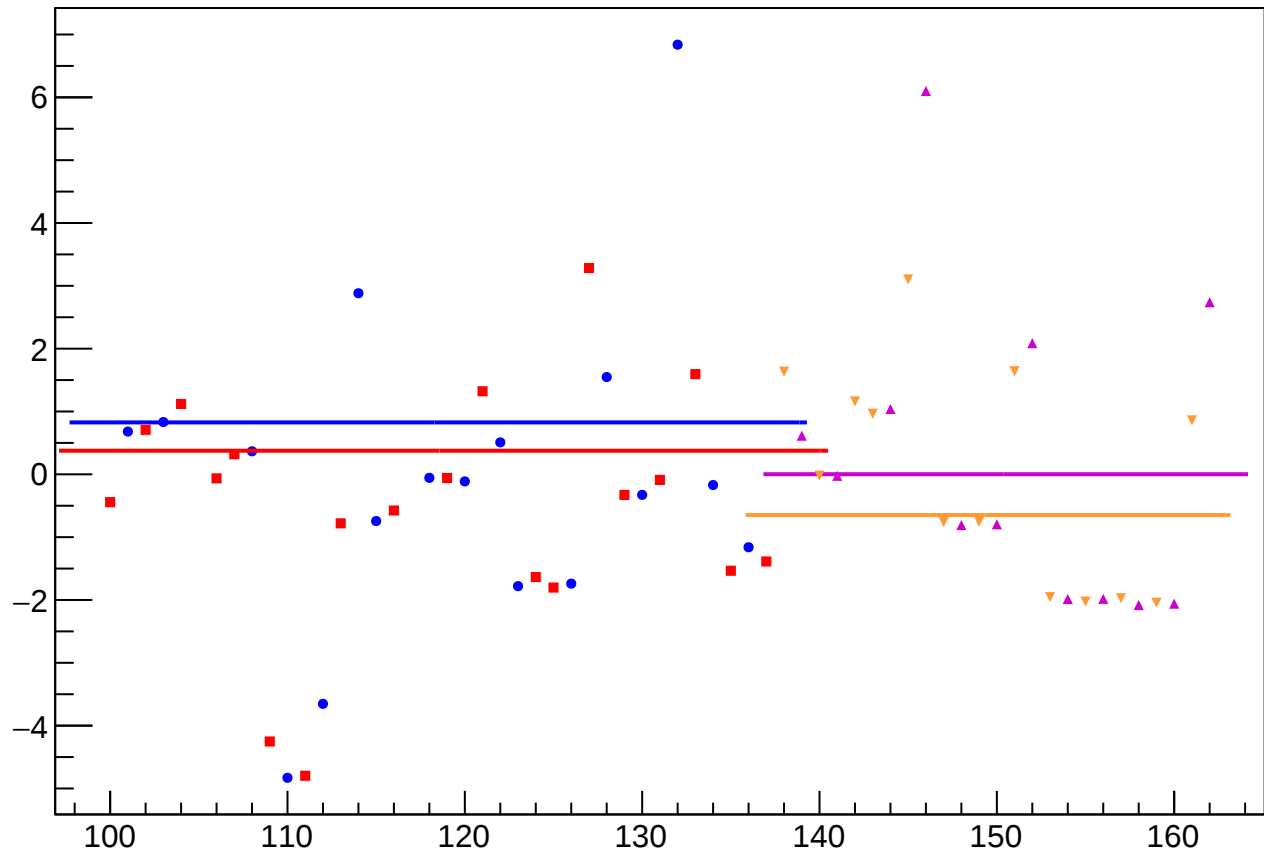
Left In: 0.017+/-0.000 χ^2/NDF : 2391763.5/11

+ sign 0.020+/-0.000 χ^2/NDF : 7950358.4/29

All: 0.019+/-0.000 χ^2/NDF : 16205402.4/60

- sign 0.019+/-0.000 χ^2/NDF : 8235377.4/30

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: -0.648+/-0.000 χ^2/NDF : 94423341888.4/12

Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

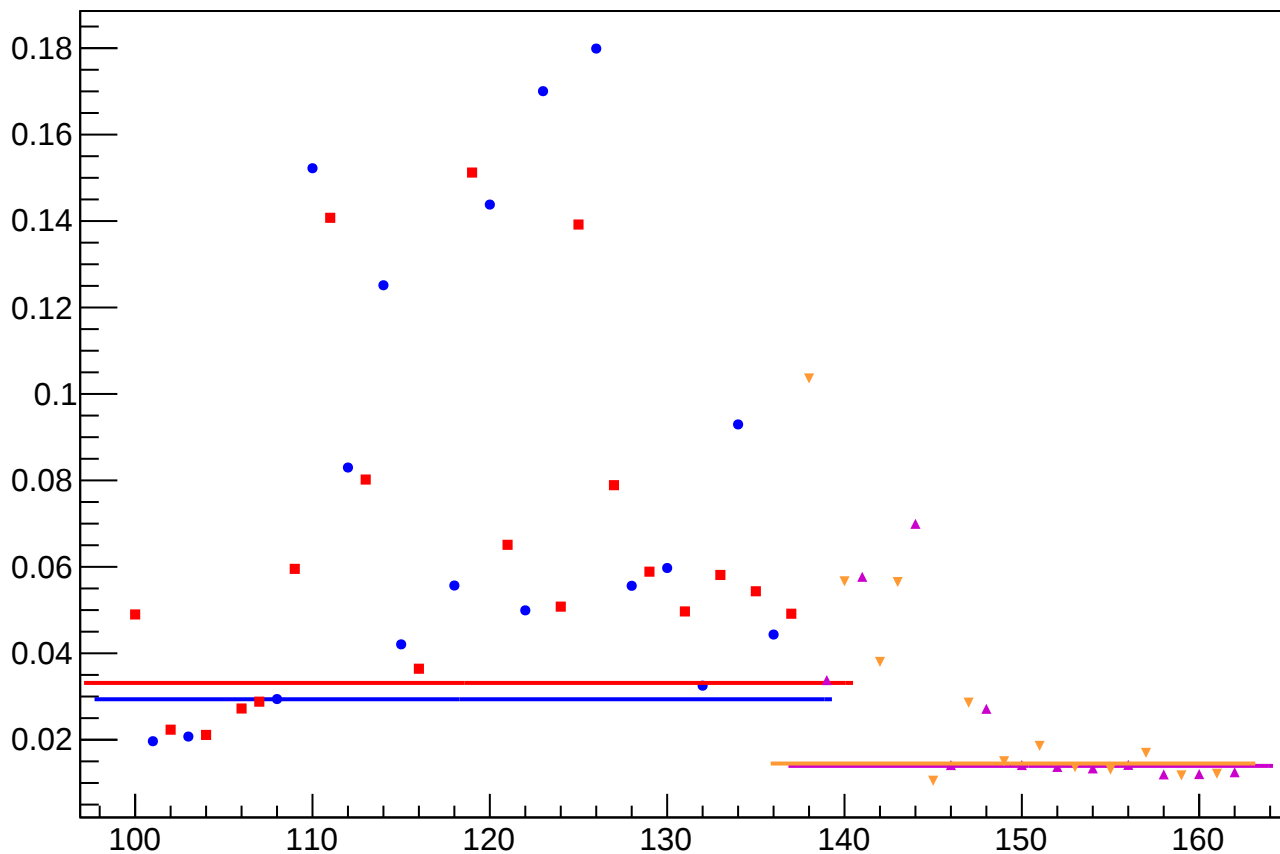
Left In: 0.002+/-0.000 χ^2/NDF : 267362846533.5/11

+ sign -0.488+/-0.000 χ^2/NDF : 112986390107.8/29

All: -0.210+/-0.000 χ^2/NDF : 390967917812.5

- sign 0.034+/-0.000 χ^2/NDF : 272757030696.4/30

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.015+/-0.000 χ^2/NDF : 2752076.3/12

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

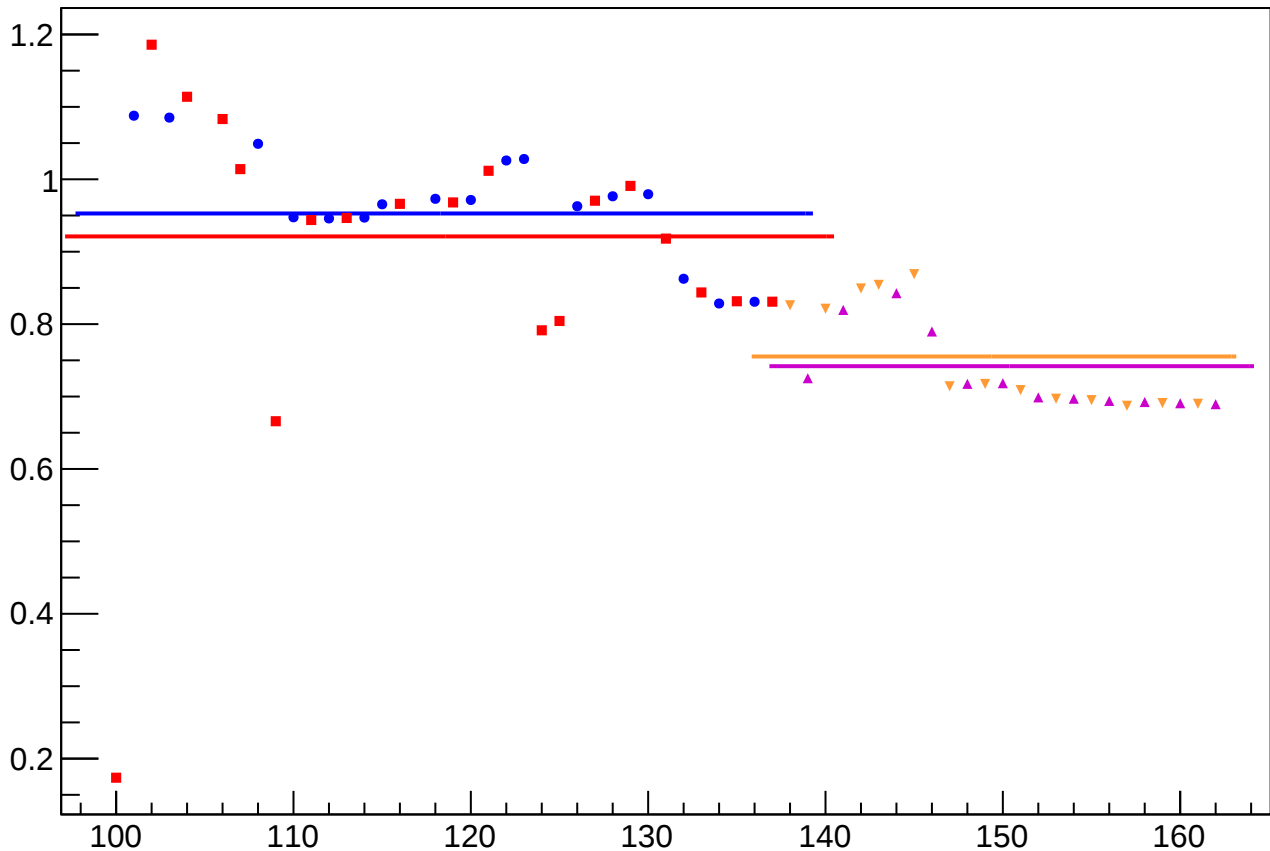
Left In: 0.014+/-0.000 χ^2/NDF : 1854481.4/11

+ sign 0.016+/-0.000 χ^2/NDF : 7288926.9/29

All: 0.016+/-0.000 χ^2/NDF : 14608237.0/60

- sign 0.016+/-0.000 χ^2/NDF : 7308288.4/30

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.755 $\pm$ 0.000 χ^2 /NDF: 238802930.1/12

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

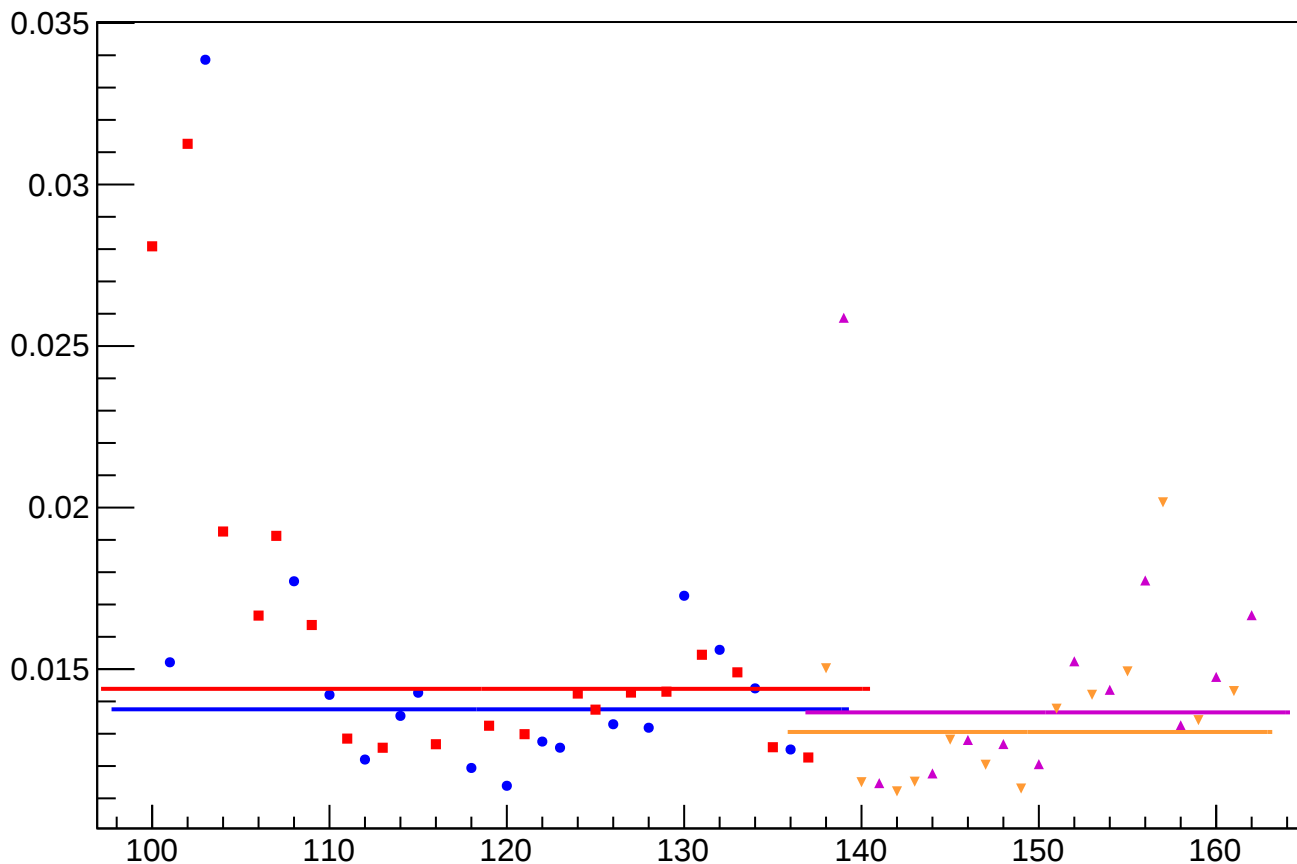
Left In: 0.742 $\pm$ 0.000 χ^2 /NDF: 149512091.0/11

+ sign 0.831 $\pm$ 0.000 χ^2 /NDF: 1146058811.9/29

All: 0.822 $\pm$ 0.000 χ^2 /NDF: 2257501555.1/60

- sign 0.812 $\pm$ 0.000 χ^2 /NDF: 1097506473.9/30

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:325297.0/12

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

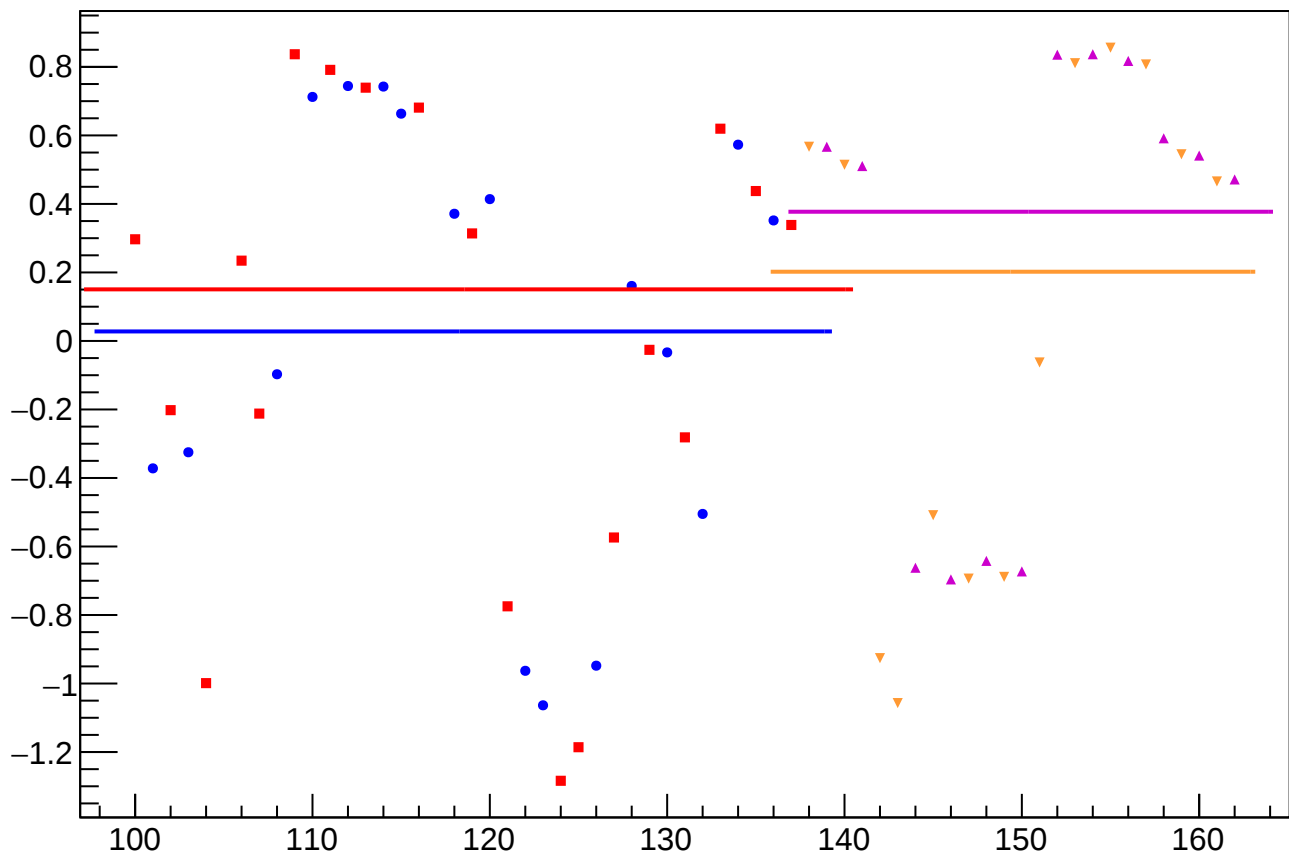
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:593028.0/11

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 882205.8/29

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2027910.2/60

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1115824.4/30

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.202+/-0.000 χ^2/NDF : 23473965730.1/12

Right Out: 0.151+/-0.000 χ^2/NDF : 12653743155.9/18

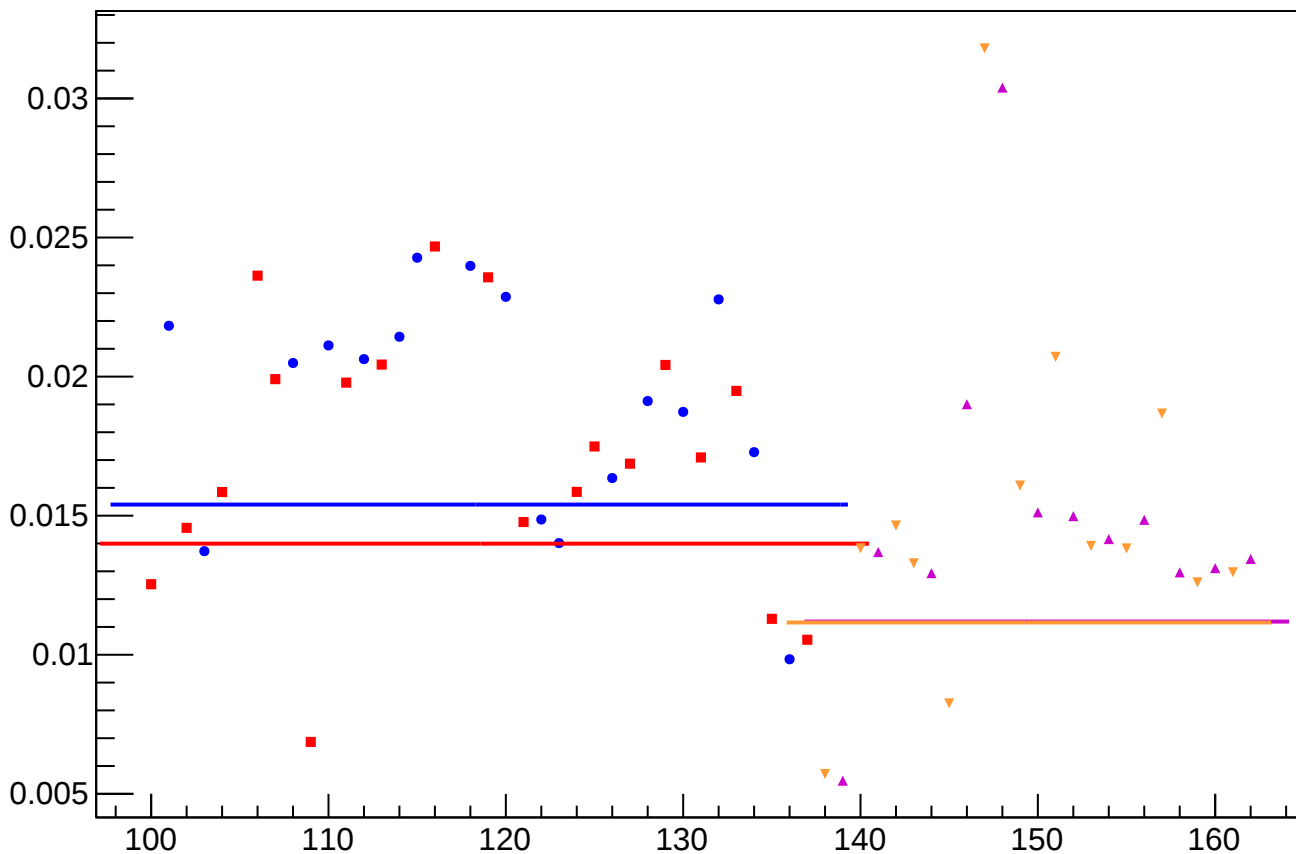
Left In: 0.377+/-0.000 χ^2/NDF : 16065735757.7/11

+ sign 0.154+/-0.000 χ^2/NDF : 30269717172.2/29

All: 0.233+/-0.000 χ^2/NDF : 61020388225.5/6

- sign 0.306+/-0.000 χ^2/NDF : 29726642339.5/30

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2839101.2/12

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

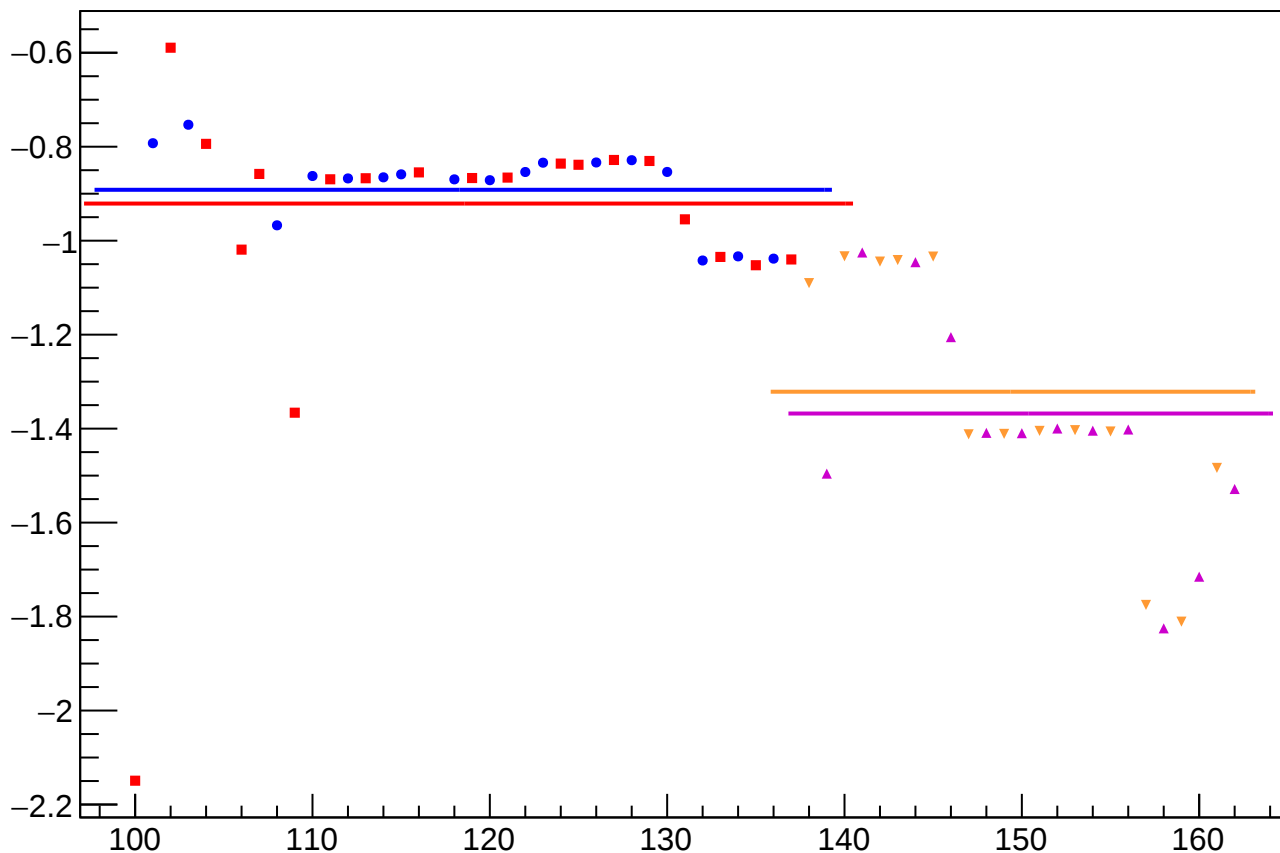
Left In: 0.011+/-0.000 χ^2/NDF : 2886753.9/11

+ sign 0.012+/-0.000 χ^2/NDF : 4594419.8/29

All: 0.012+/-0.000 χ^2/NDF : 9356761.0/60

- sign 0.012+/-0.000 χ^2/NDF : 4756174.8/30

yield_bpm12X_mean vs Slug



Right In: -0.892 ± 0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.321 ± 0.000 χ^2/NDF : 449662082.7/12

Right Out: -0.921 ± 0.000 χ^2/NDF : 131159330.1/18

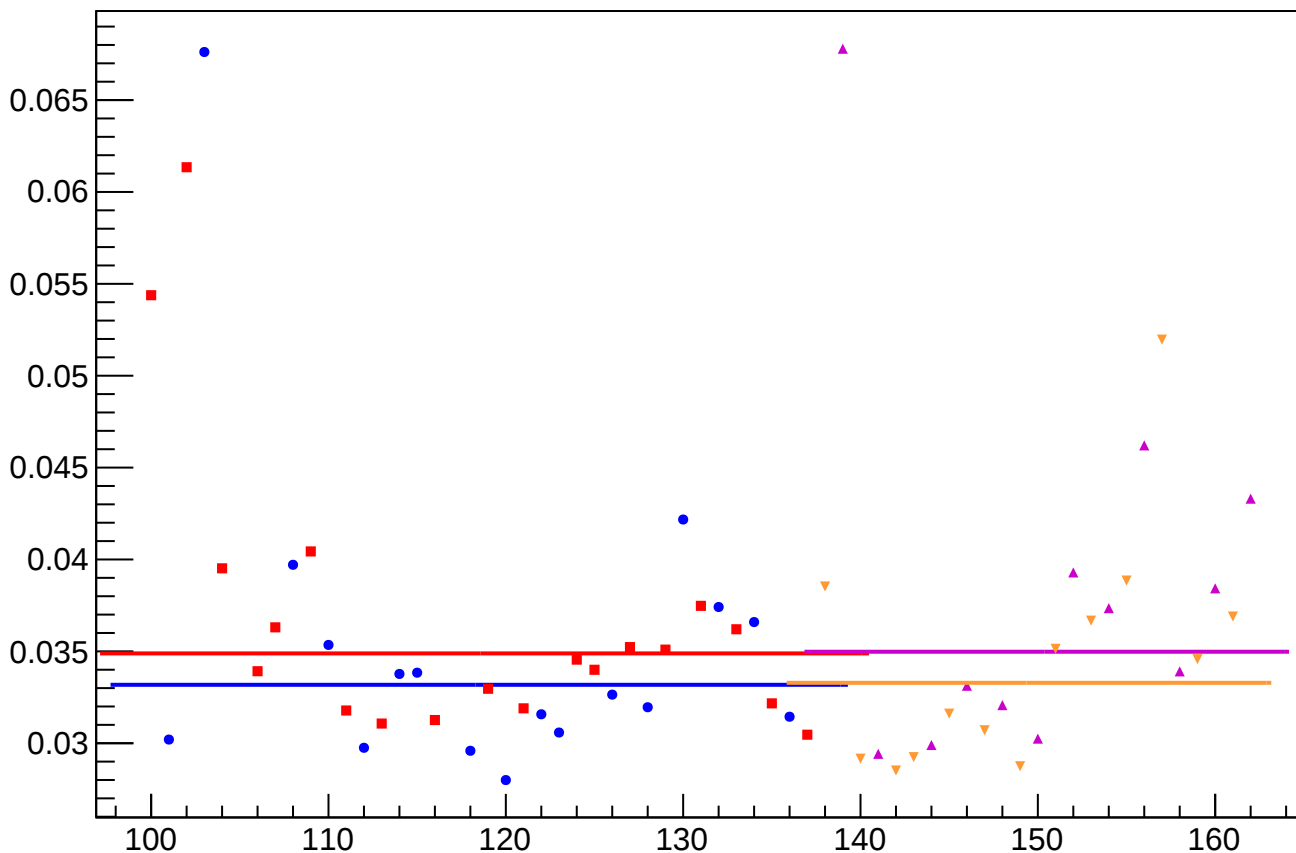
Left In: -1.368 ± 0.000 χ^2/NDF : 411062952.0/11

+ sign -1.143 ± 0.000 χ^2/NDF : 1060301928.7/29

All: -1.161 ± 0.000 χ^2/NDF : 2193484882.6/6

- sign -1.179 ± 0.000 χ^2/NDF : 1125189943.2/30

yield_bpm12X_rms vs Slug



Right In: 0.033 ± 0.000 χ^2/NDF : 400106.0/16

Left Out: 0.033 ± 0.000 χ^2/NDF : 352231.6/12

Right Out: 0.035 ± 0.000 χ^2/NDF : 275013.9/18

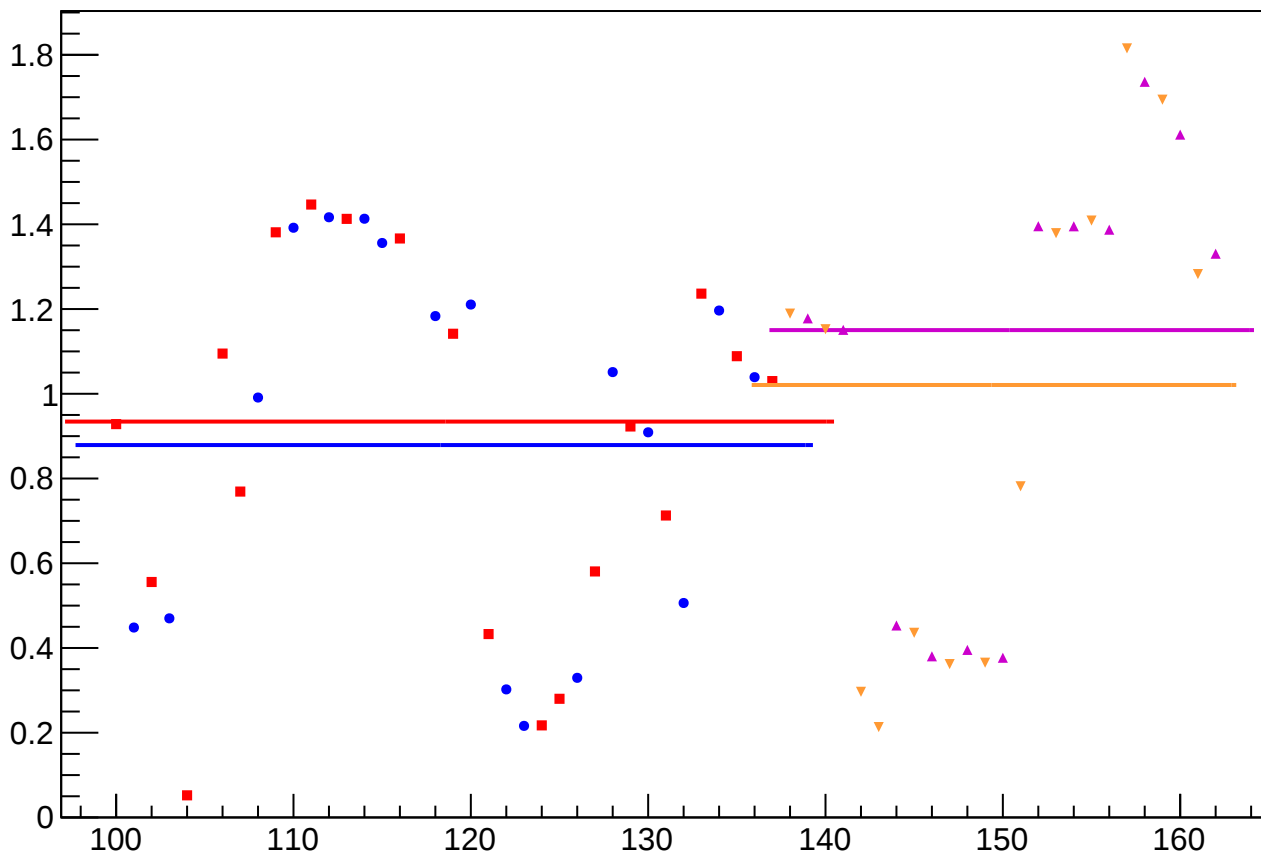
Left In: 0.035 ± 0.000 χ^2/NDF : 645388.5/11

+ sign 0.033 ± 0.000 χ^2/NDF : 752410.3/29

All: 0.034 ± 0.000 χ^2/NDF : 1708410.4/60

- sign 0.035 ± 0.000 χ^2/NDF : 920451.0/30

yield_bpm12Y_mean vs Slug



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 1.021+/-0.000 χ^2/NDF : 28549891057.4/12

Right Out: 0.934+/-0.000 χ^2/NDF : 9827120184.9/18

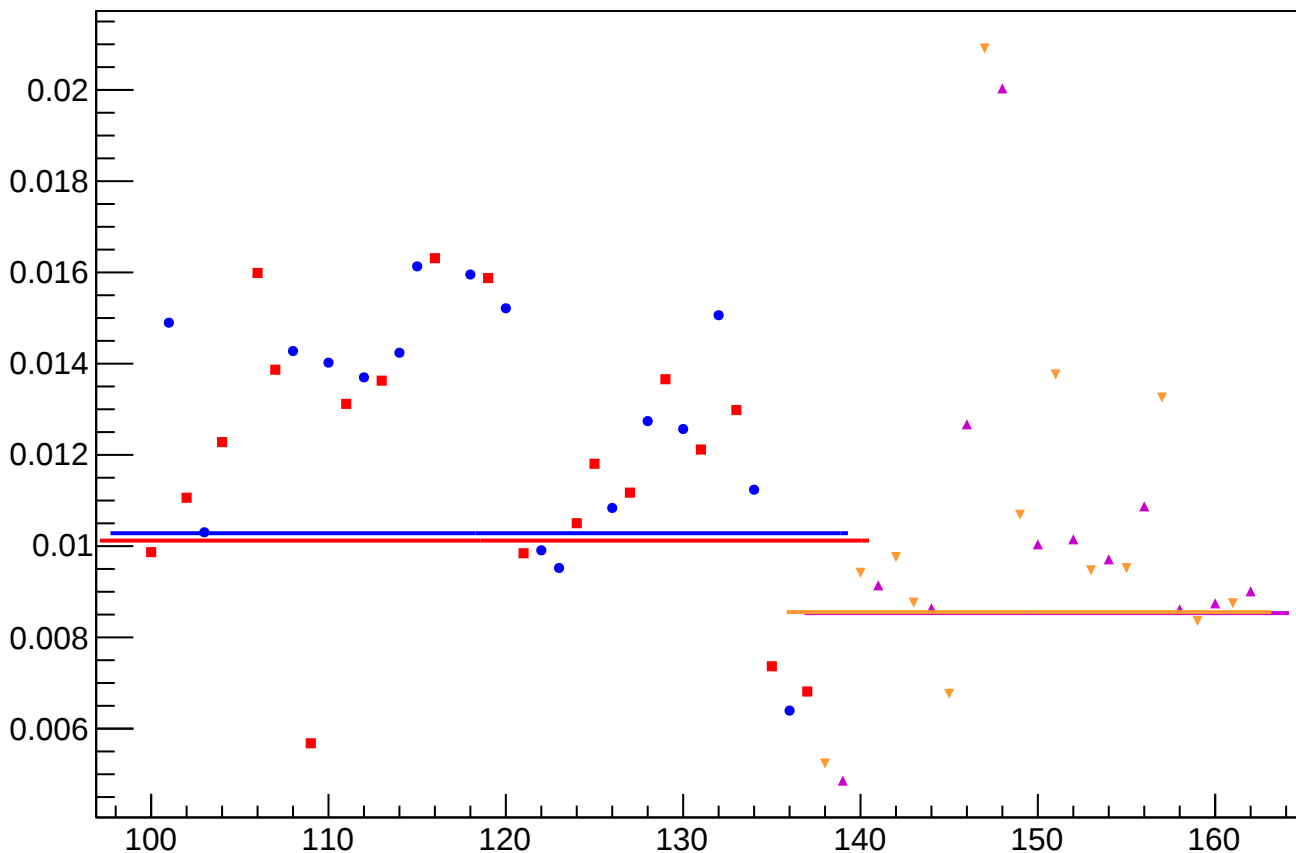
Left In: 1.150+/-0.000 χ^2/NDF : 21723202442.8/11

+ sign 0.976+/-0.000 χ^2/NDF : 35646867560.3/29

All: 1.029+/-0.000 χ^2/NDF : 69899290228.6/6

- sign 1.080+/-0.000 χ^2/NDF : 33337783438.0/30

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: 1653271.6/12

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

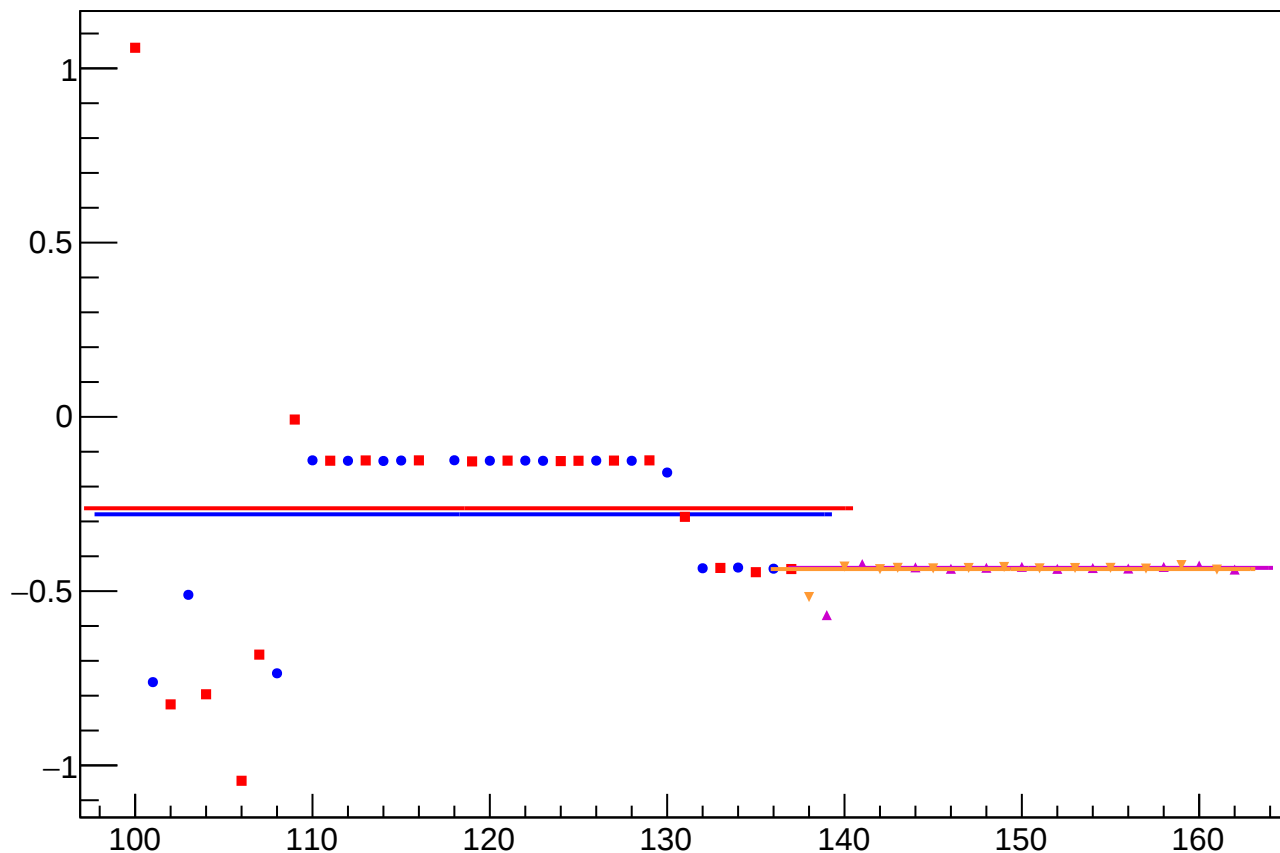
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1613889.6/11

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3076616.9/29

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6061276.6/60

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2984323.6/30

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 : 25425410.0/12

Right Out: -0.262 ± 0.000 χ^2/NDF : 1006263824.6/18

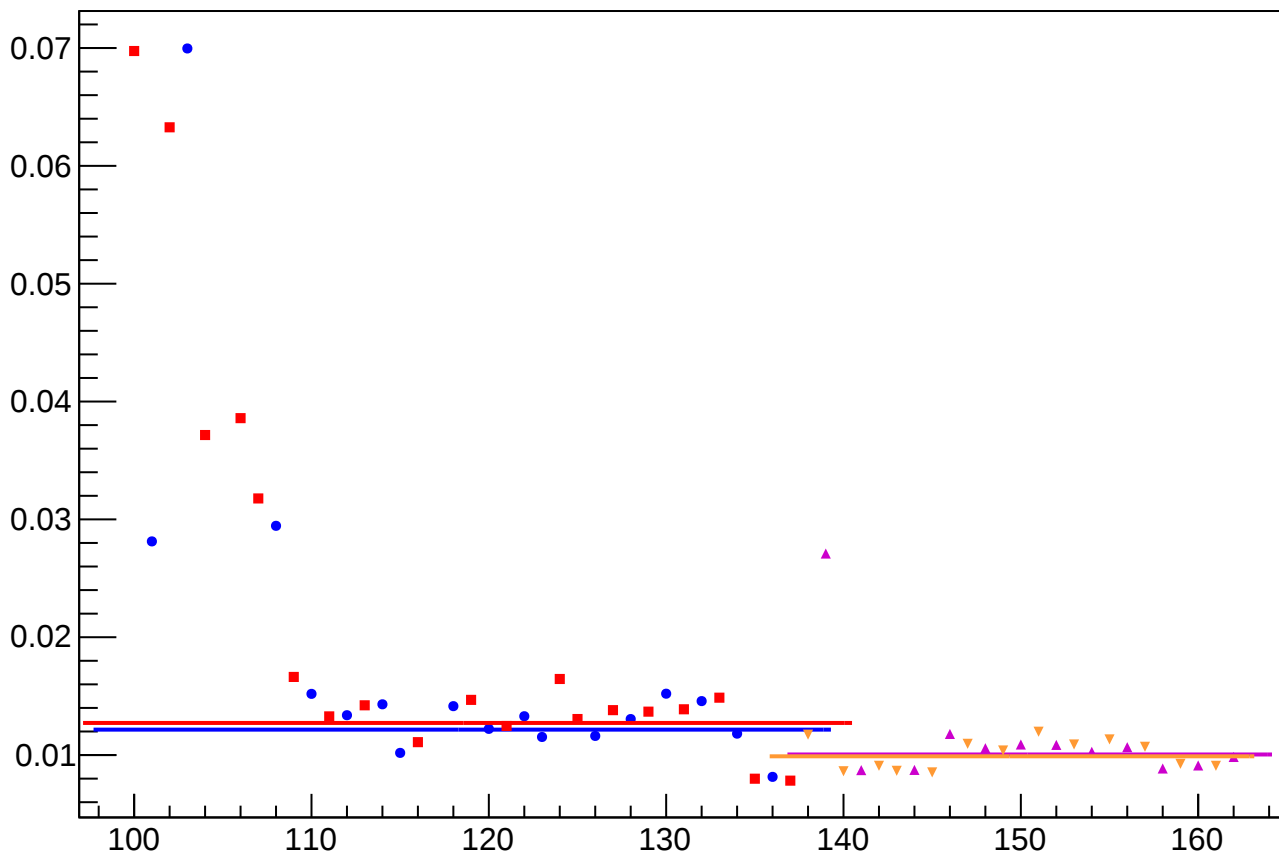
Left In: -0.433 ± 0.000 χ^2/NDF : 19514140.2/11

+ sign -0.393 ± 0.000 χ^2/NDF : 1514949036.7/29

All: -0.390 ± 0.000 χ^2/NDF : 3176668642.0/6

- sign -0.386 ± 0.000 χ^2/NDF : 1659425177.9/30

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:222791.6/12

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

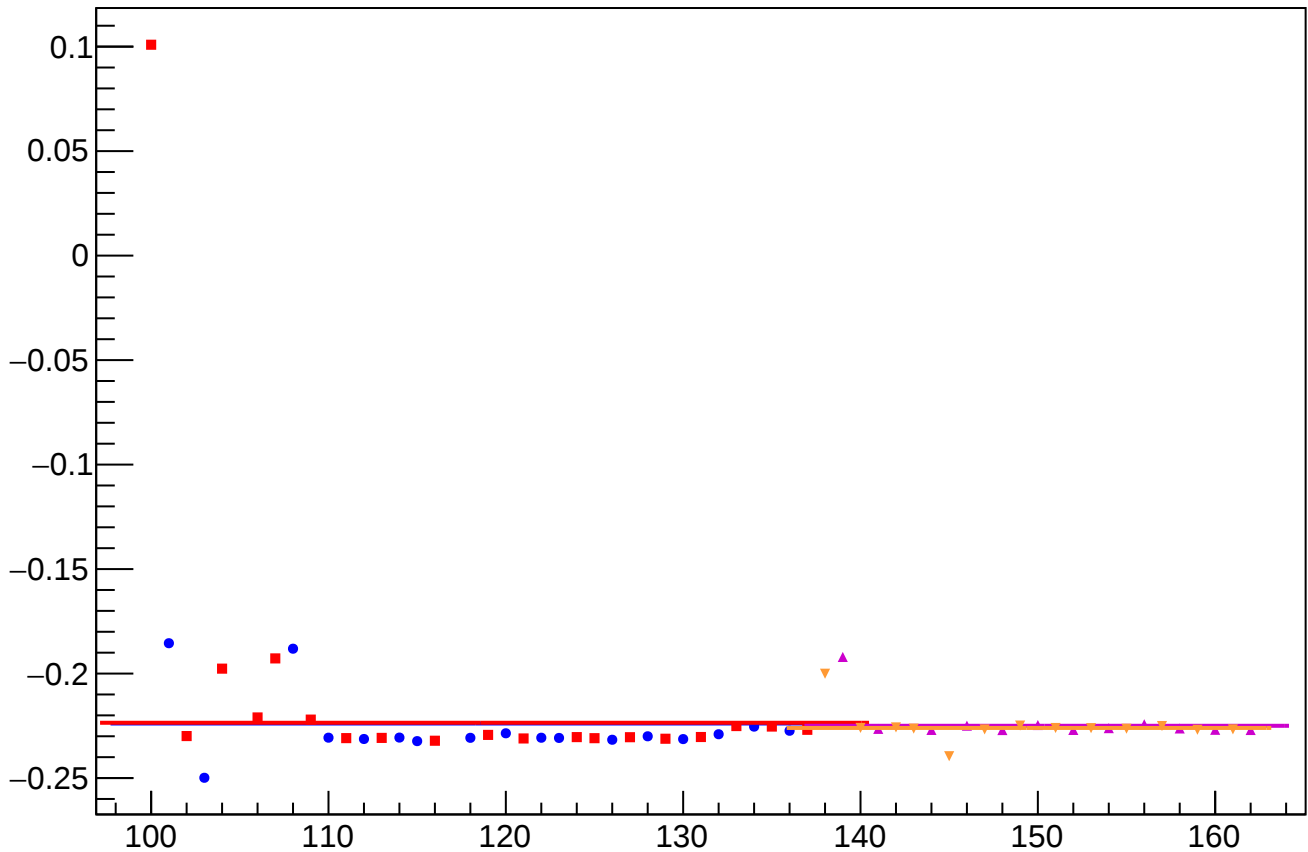
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:717229.4/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2178243.7/29

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5180534.0/60

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2994987.2/30

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 : 20575972.1/12

+ sign -0.225+/-0.000 χ^2/NDF : 95881619.7/29

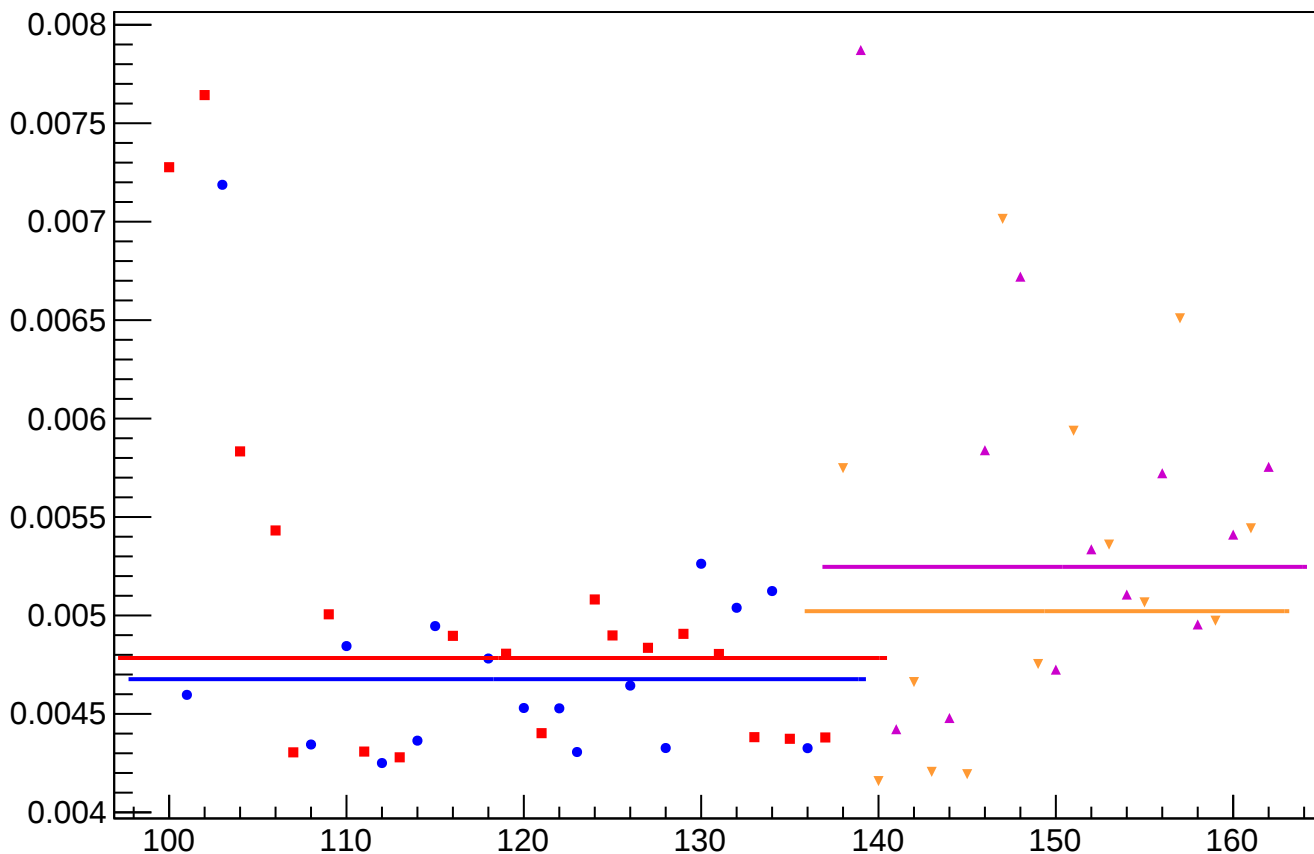
Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

All: -0.225+/-0.000 χ^2/NDF : 277244731.9/60

- sign -0.224+/-0.000 χ^2/NDF : 181183738.8/30

Left In: -0.225+/-0.000 χ^2/NDF : 12744472.9/11

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 : 434077.0/12

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

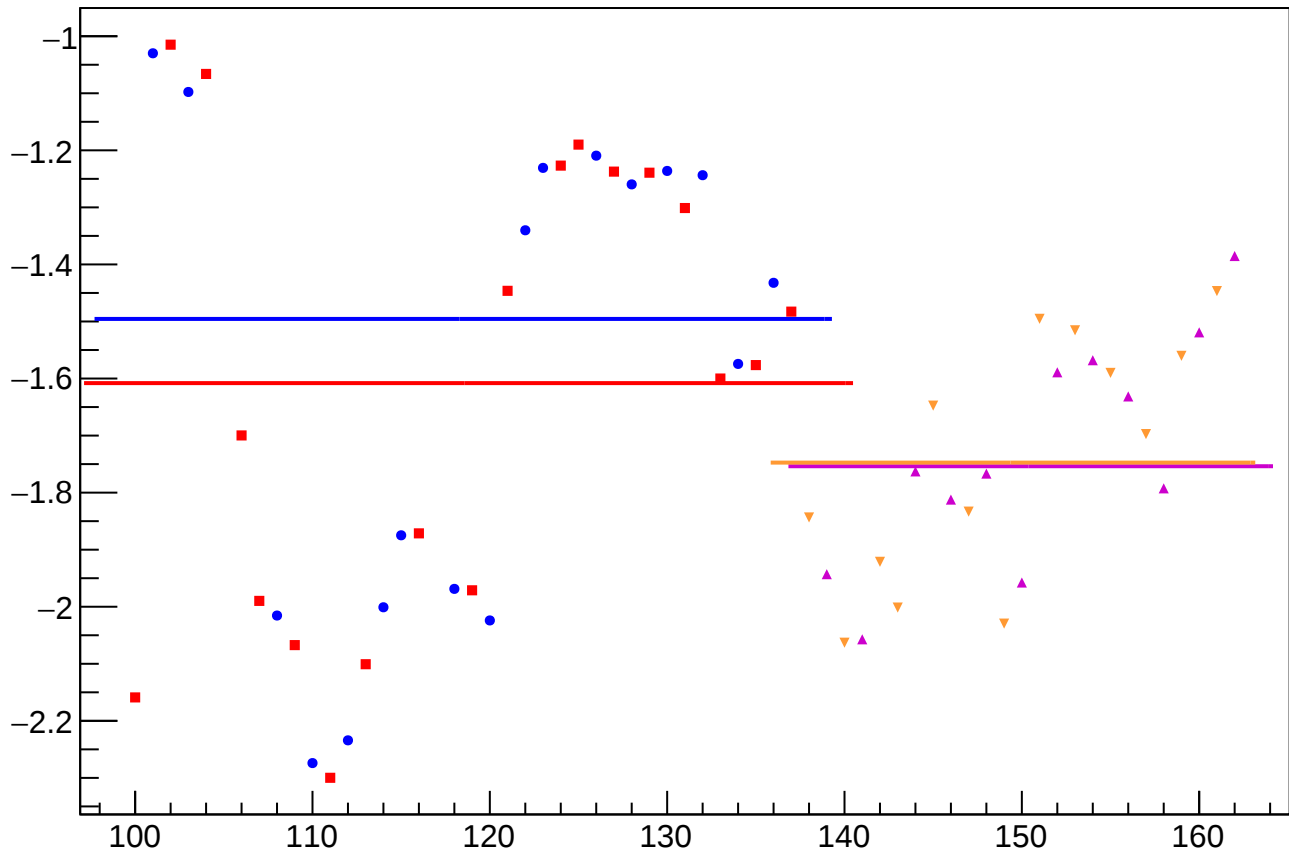
Left In: 0.005+/-0.000 χ^2/NDF : 391554.4/11

+ sign 0.005+/-0.000 χ^2/NDF : 651593.3/29

All: 0.005+/-0.000 χ^2/NDF : 1372579.2/60

- sign 0.005+/-0.000 χ^2/NDF : 704503.9/30

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.747+/-0.000 χ^2/NDF : 11421240307.7/12

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

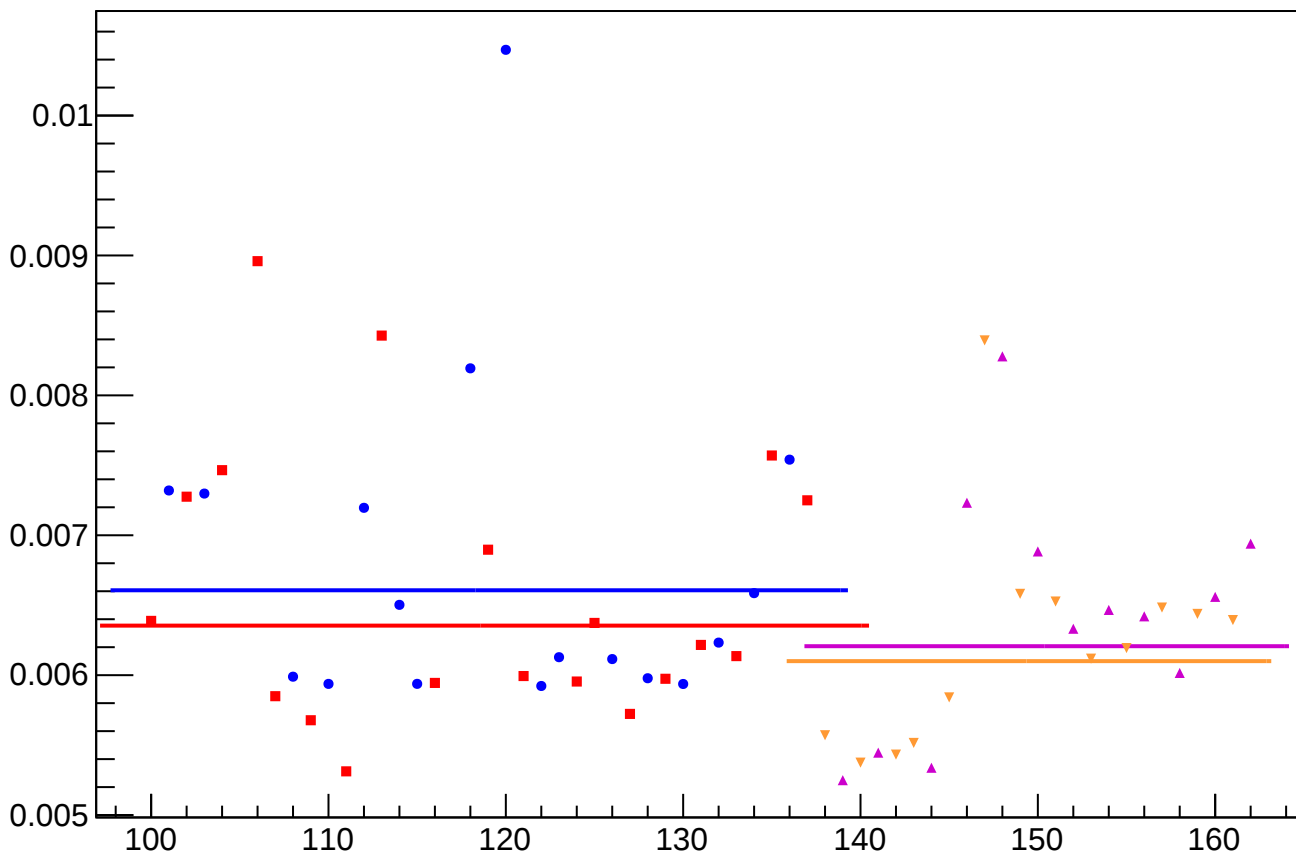
Left In: -1.754+/-0.000 χ^2/NDF : 8771009255.3/11

+ sign -1.656+/-0.000 χ^2/NDF : 39550661073.6/29

All: -1.675+/-0.000 χ^2/NDF : 78490185022.0/30

- sign -1.694+/-0.000 χ^2/NDF : 38664252611.4/30

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 : 202172.4/12

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

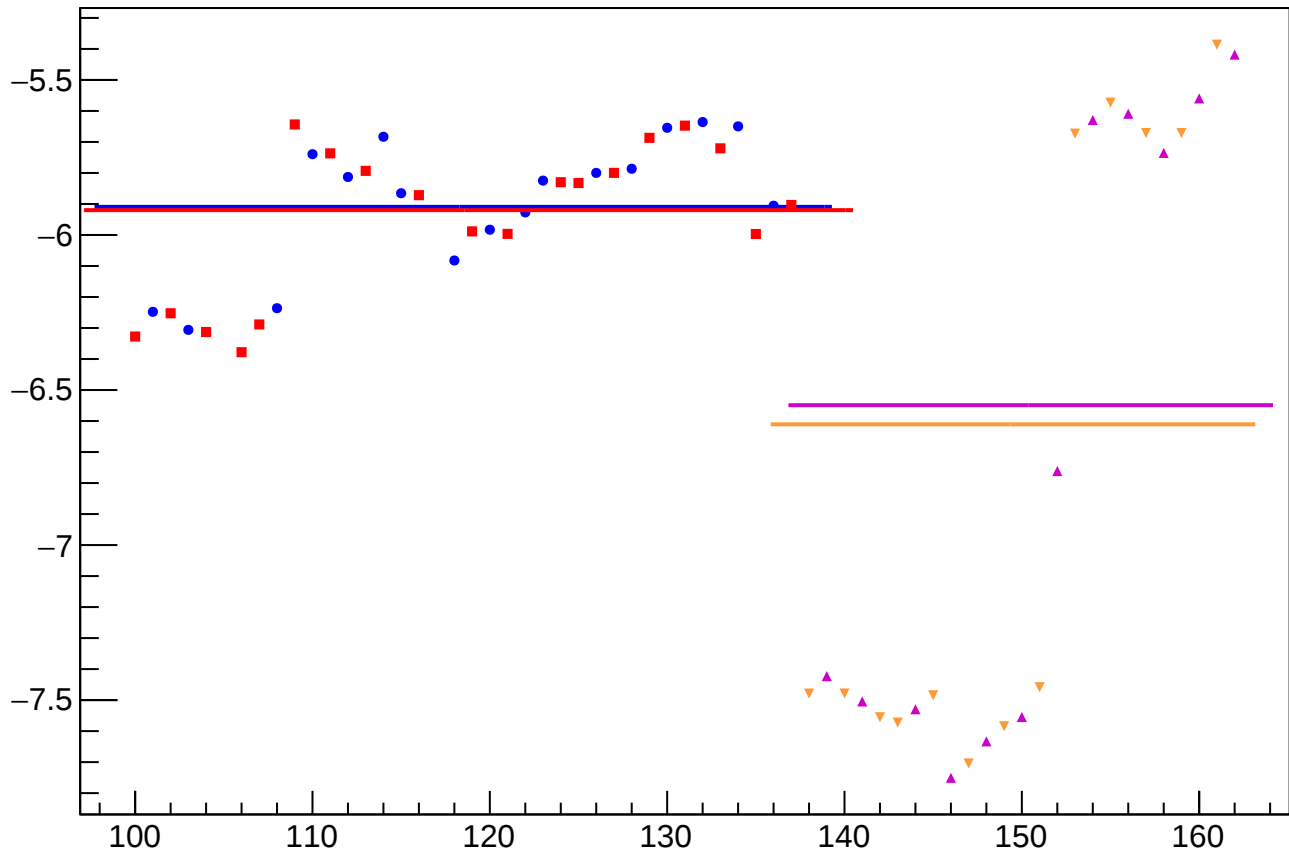
Left In: 0.006+/-0.000 χ^2/NDF : 283149.8/11

+ sign 0.006+/-0.000 χ^2/NDF : 448981.7/29

All: 0.006+/-0.000 χ^2/NDF : 963679.6/60

- sign 0.006+/-0.000 χ^2/NDF : 514599.2/30

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.611+/-0.000 χ^2/NDF : 123266554707.7/12

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

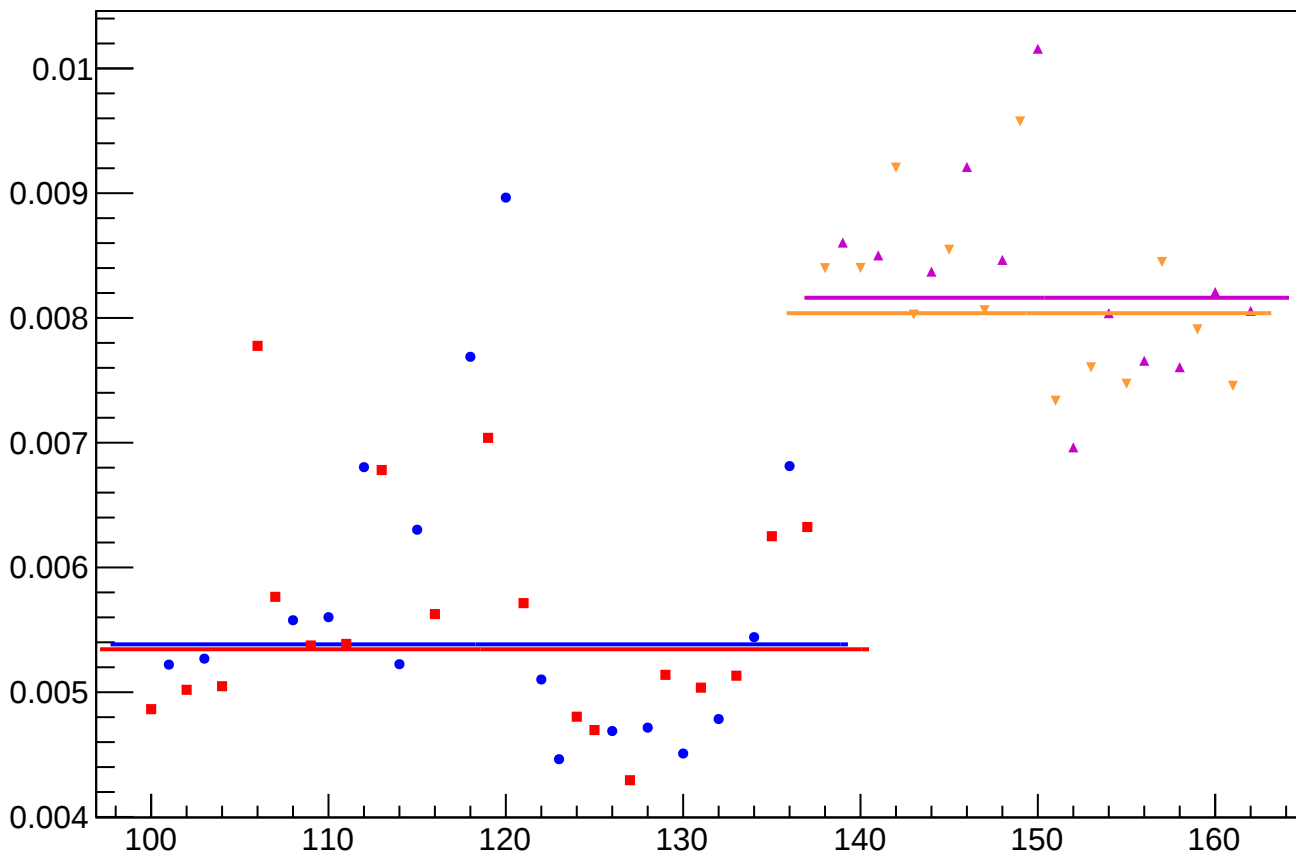
Left In: -6.549+/-0.000 χ^2/NDF : 110562581777.4/11

+ sign -6.183+/-0.000 χ^2/NDF : 173145851213.7/29

All: -6.166+/-0.000 χ^2/NDF : 328884988803.2

- sign -6.150+/-0.000 χ^2/NDF : 155554548879.9/30

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 : 93317.0/12

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

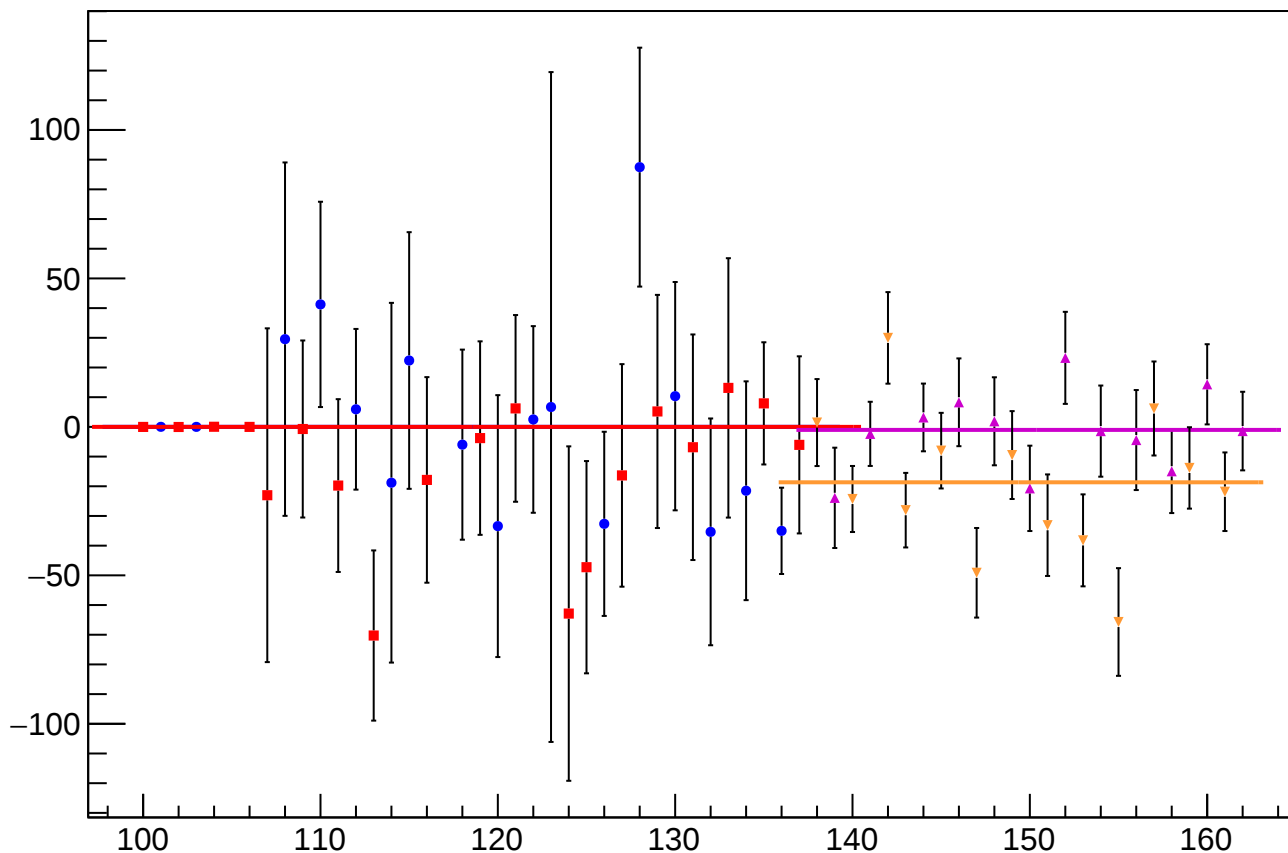
Left In: 0.008+/-0.000 χ^2/NDF : 139775.8/11

+ sign 0.006+/-0.000 χ^2/NDF : 1550989.7/29

All: 0.006+/-0.000 χ^2/NDF : 3228428.6/60

- sign 0.006+/-0.000 χ^2/NDF : 1676758.0/30

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -18.662 ± 3.951 χ^2/NDF : 29.5/12

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.3/18

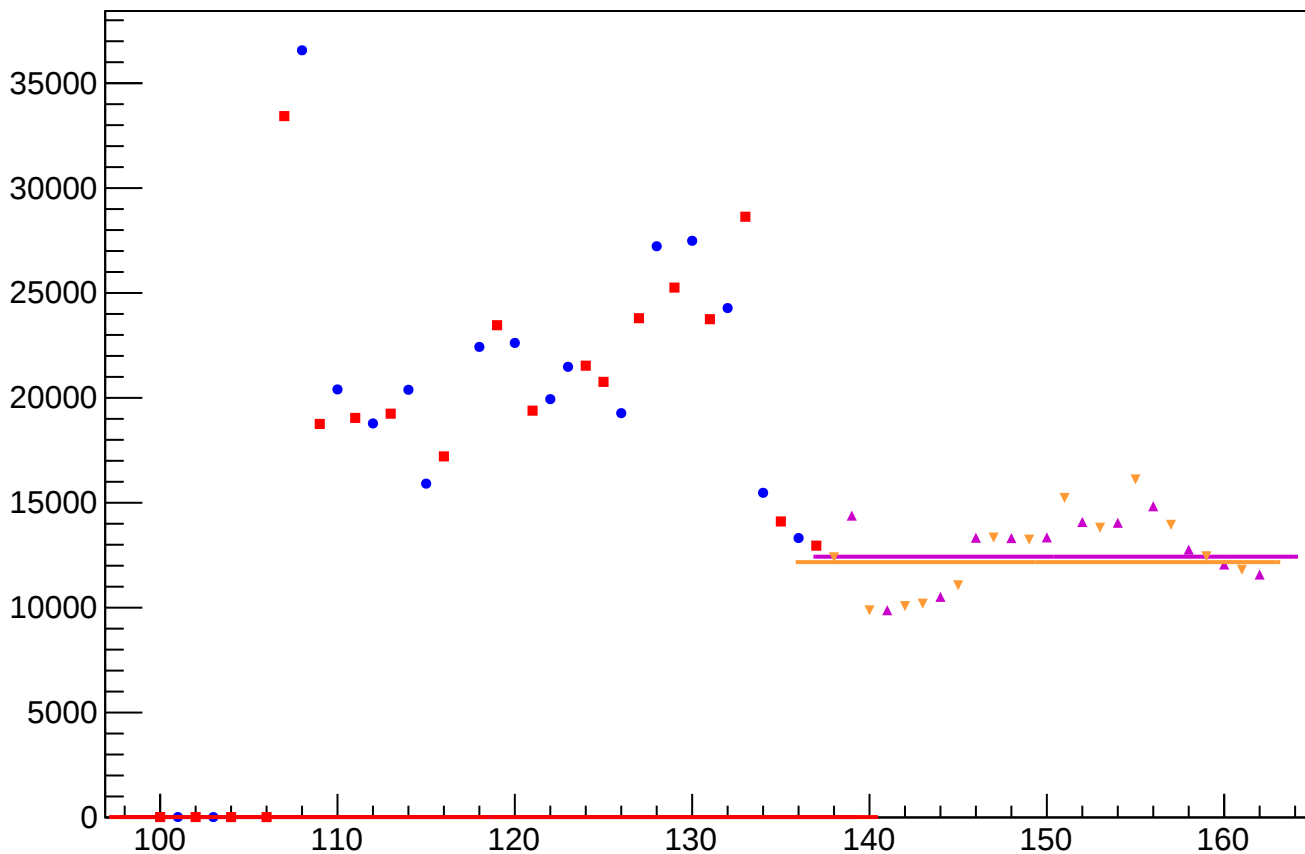
Left In: -1.016 ± 4.019 χ^2/NDF : 9.1/11

+ sign 0.013 ± 0.017 χ^2/NDF : 67.6/29

All: 0.008 ± 0.012 χ^2/NDF : 92.2/60

- sign 0.003 ± 0.016 χ^2/NDF : 24.4/30

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12171.395+/-2.794 χ^2/NDF : 418784.8/12

Right Out: 18.311+/-0.011 χ^2/NDF : 11103320.8/18

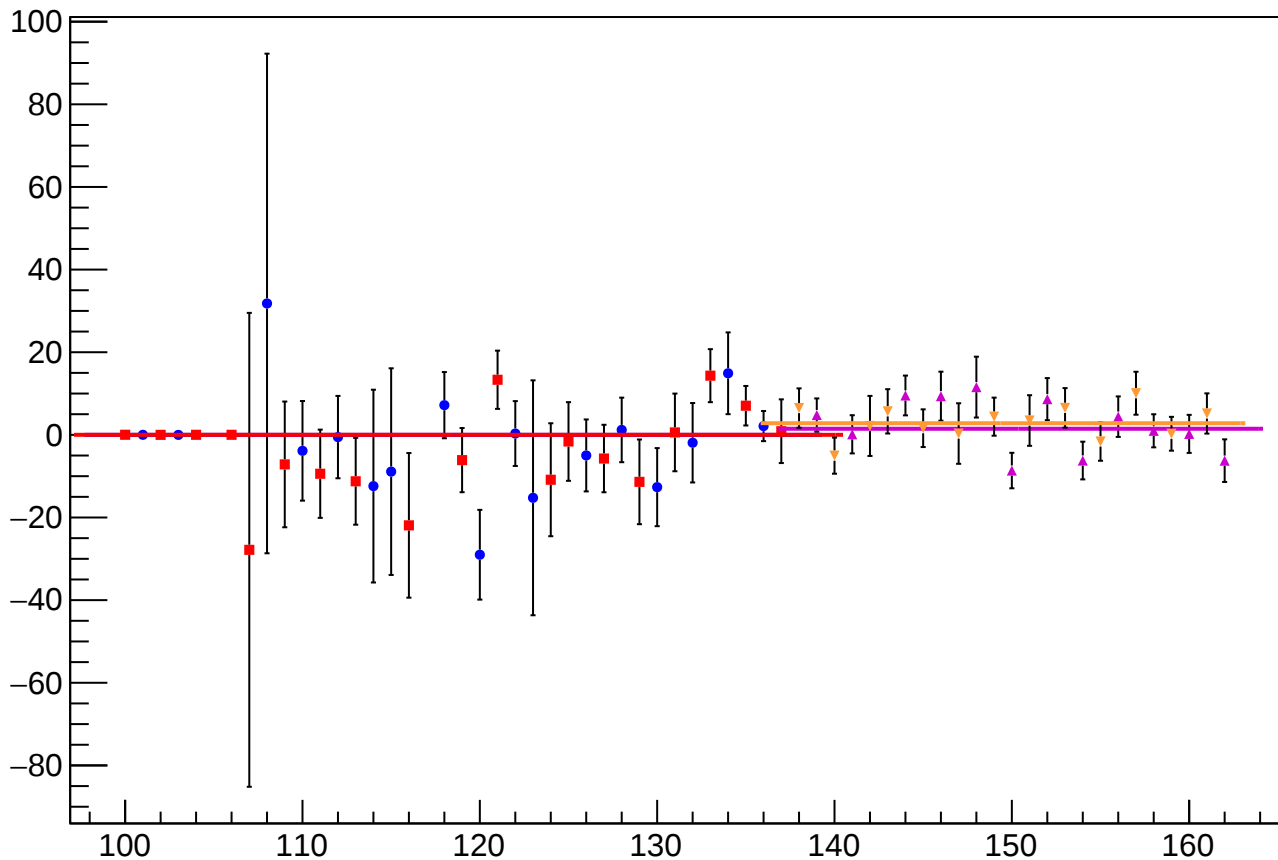
Left In: 12429.236+/-2.842 χ^2/NDF : 314140.5/11

+ sign 18.875+/-0.012 χ^2/NDF : 30185113.5/29

All: 18.678+/-0.008 χ^2/NDF : 60671496.3/60

- sign 18.510+/-0.011 χ^2/NDF : 30485906.0/30

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 2.821 $\pm$ 1.388 χ^2 /NDF:8.5/12

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

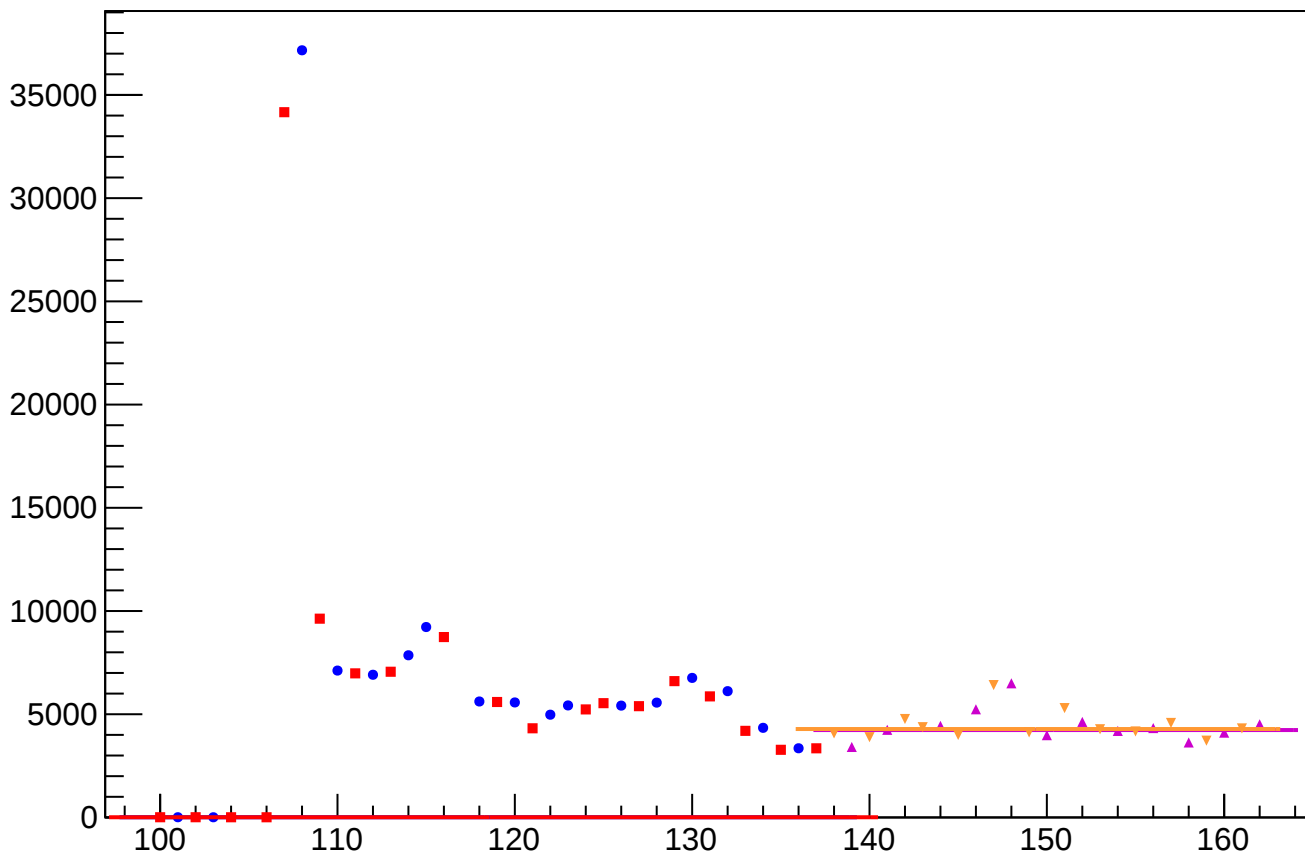
Left In: 1.477 $\pm$ 1.376 χ^2 /NDF:20.3/11

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 27.5/29

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 68.4/60

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 39.8/30

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4283.749+/-0.982 χ^2/NDF : 309779.8/12

Right Out: 9.854+/-0.006 χ^2/NDF : 11152667.7/18

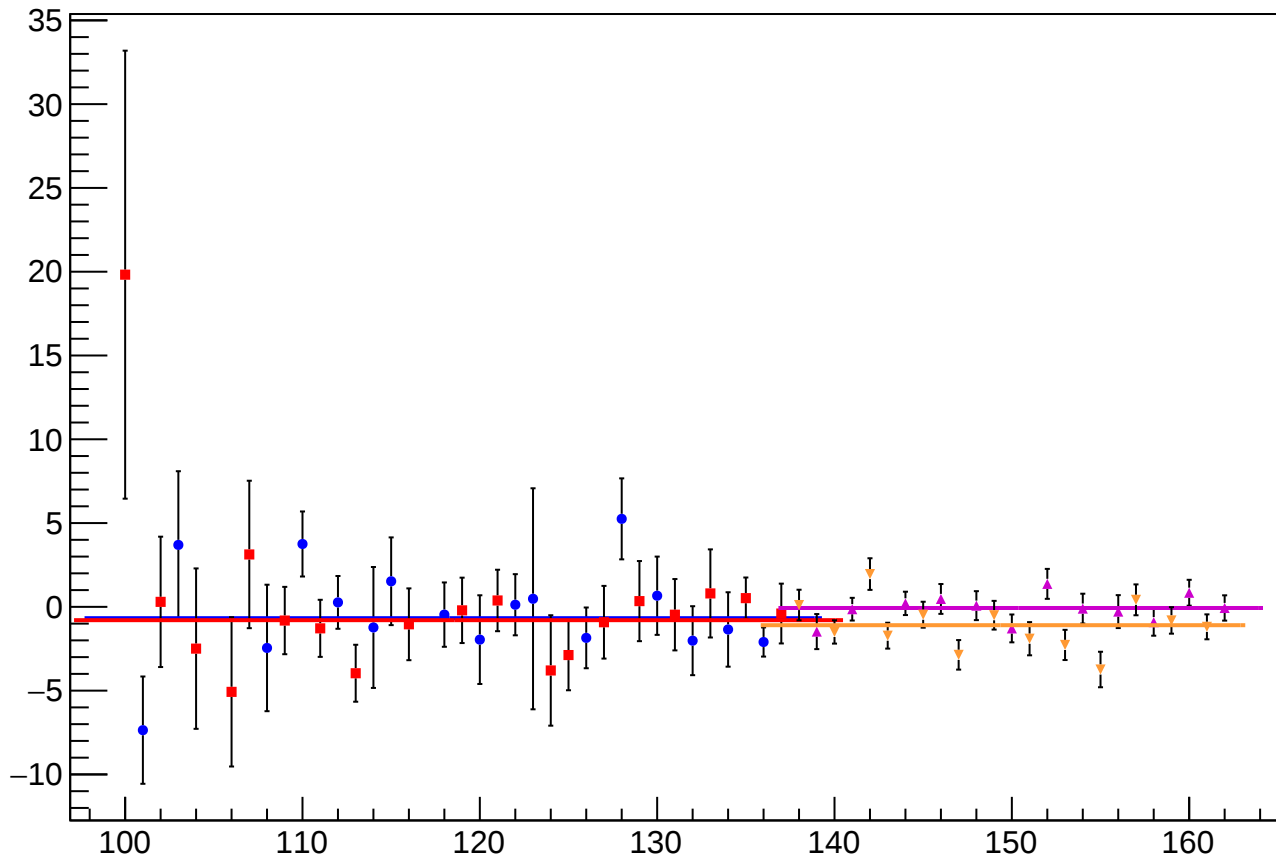
Left In: 4233.913+/-0.973 χ^2/NDF : 405058.2/11

+ sign 10.126+/-0.007 χ^2/NDF : 30237337.9/29

All: 10.070+/-0.004 χ^2/NDF : 60637558.4/60

- sign 10.021+/-0.006 χ^2/NDF : 30400083.3/30

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.095 ± 0.235 χ^2/NDF : 29.8/12

Right Out: -0.795 ± 0.501 χ^2/NDF : 12.0/18

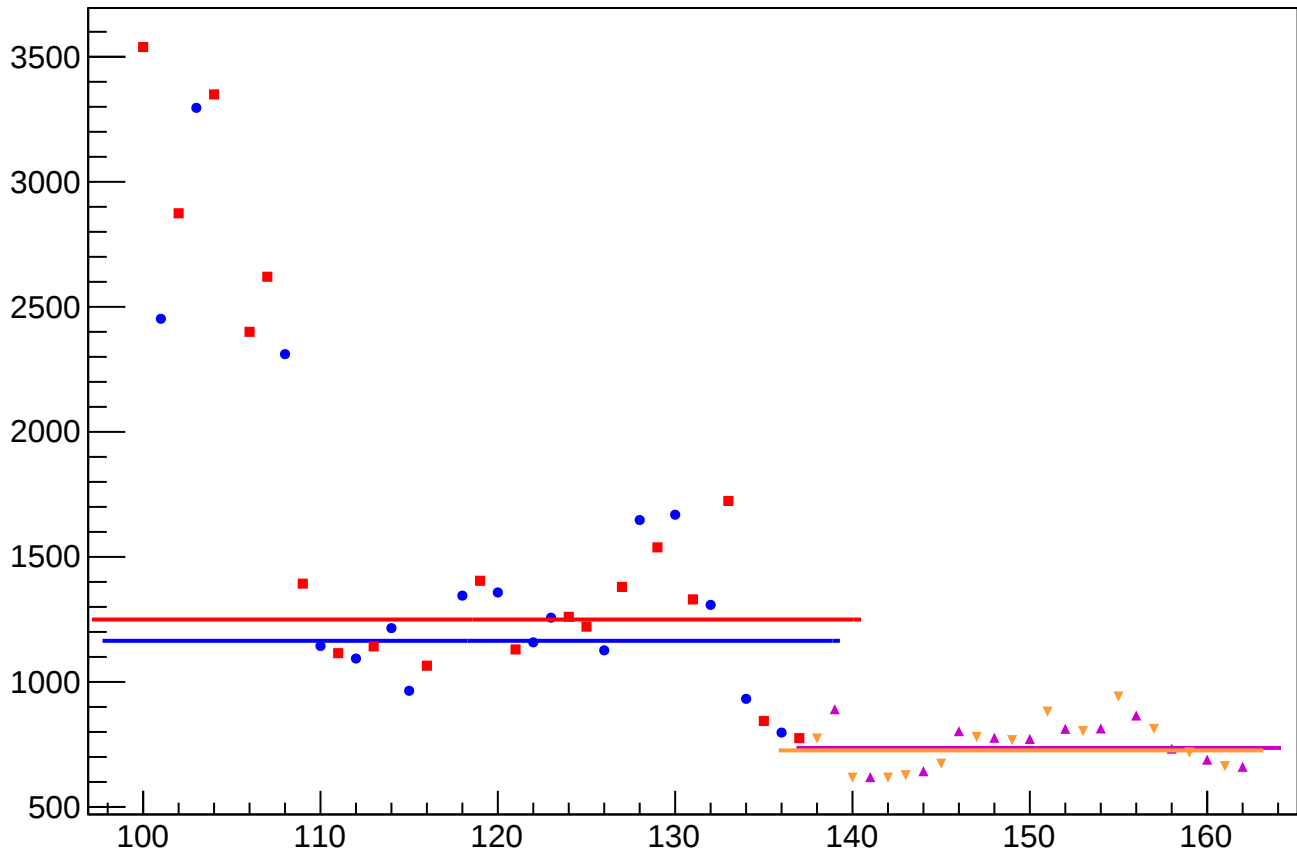
Left In: -0.068 ± 0.238 χ^2/NDF : 9.7/11

+ sign -1.015 ± 0.211 χ^2/NDF : 52.7/29

All: -0.614 ± 0.151 χ^2/NDF : 83.3/60

- sign -0.201 ± 0.215 χ^2/NDF : 23.4/30

diff_cav4cX_rms vs Slug



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 726.192+/-0.166 χ^2/NDF : 313980.8/12

Right Out: 1249.596+/-0.354 χ^2/NDF : 1650133.1/18

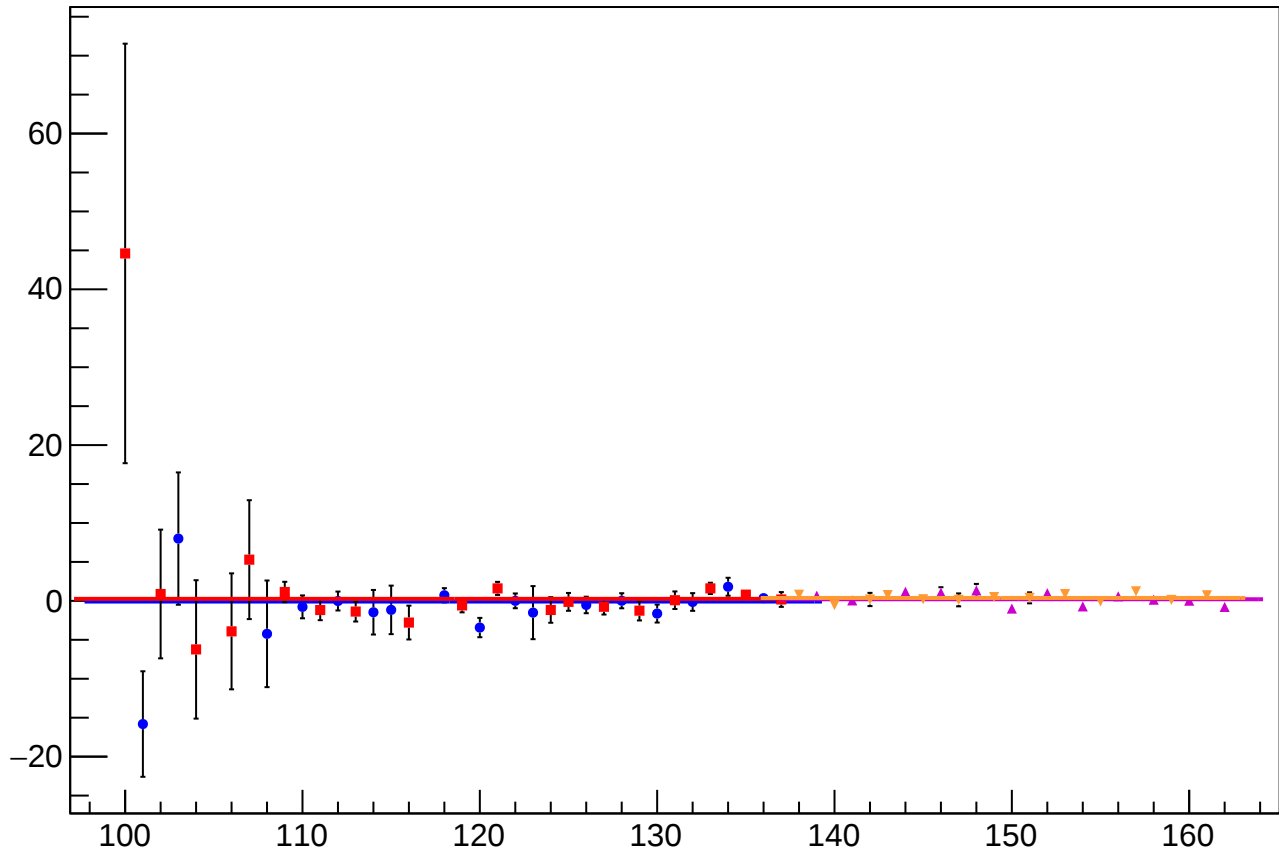
Left In: 736.107+/-0.168 χ^2/NDF : 250719.3/11

+ sign 809.734+/-0.149 χ^2/NDF : 3224743.9/29

All: 819.846+/-0.107 χ^2/NDF : 6848560.1/60

- sign 830.276+/-0.152 χ^2/NDF : 3614517.7/30

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.373 ± 0.166 χ^2/NDF : 8.1/12

Right Out: 0.259 ± 0.264 χ^2/NDF : 20.4/18

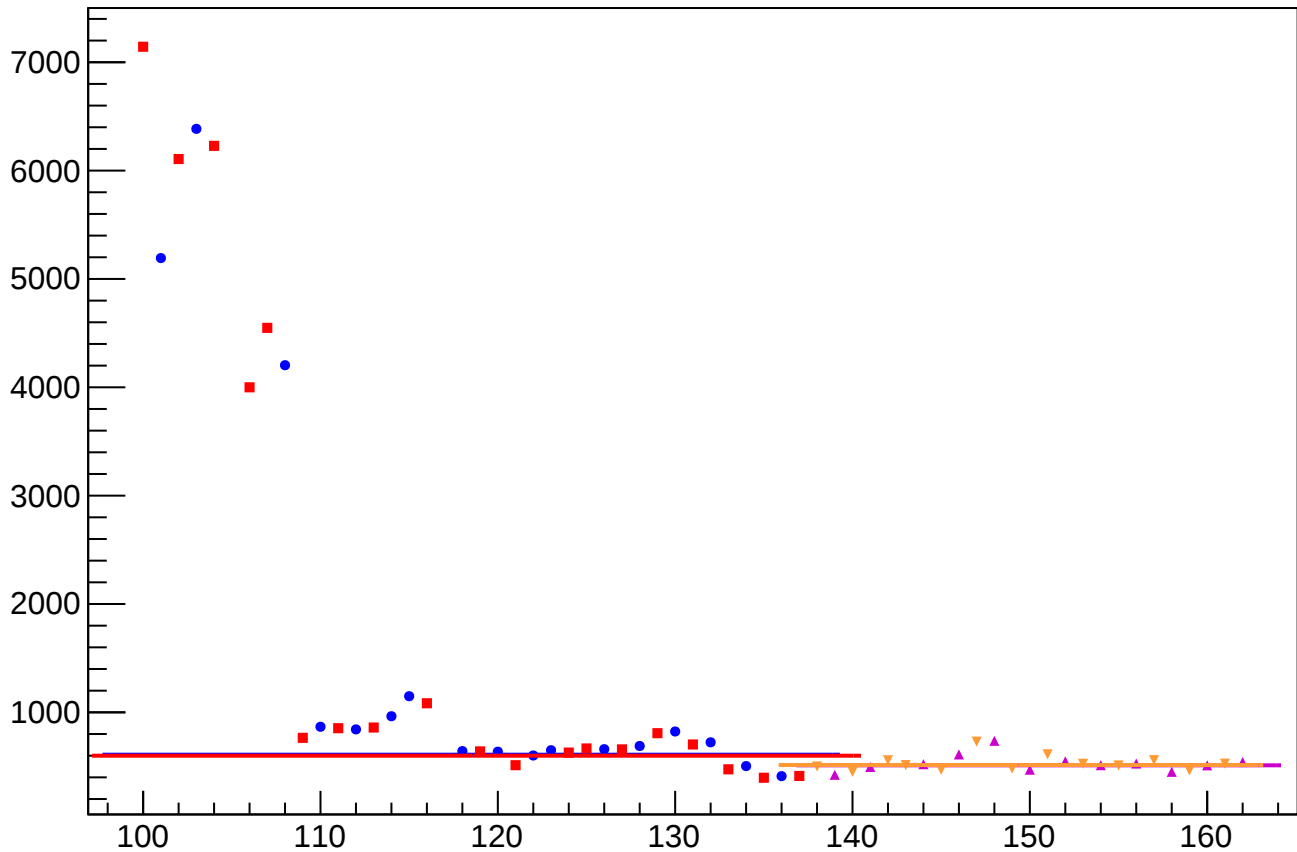
Left In: 0.207 ± 0.166 χ^2/NDF : 20.2/11

+ sign 0.247 ± 0.142 χ^2/NDF : 31.3/29

All: 0.234 ± 0.100 χ^2/NDF : 71.9/60

- sign 0.221 ± 0.140 χ^2/NDF : 40.7/30

diff_cav4cY_rms vs Slug



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 513.598 $\pm$ 0.117 χ^2 /NDF: 262947.5/12

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

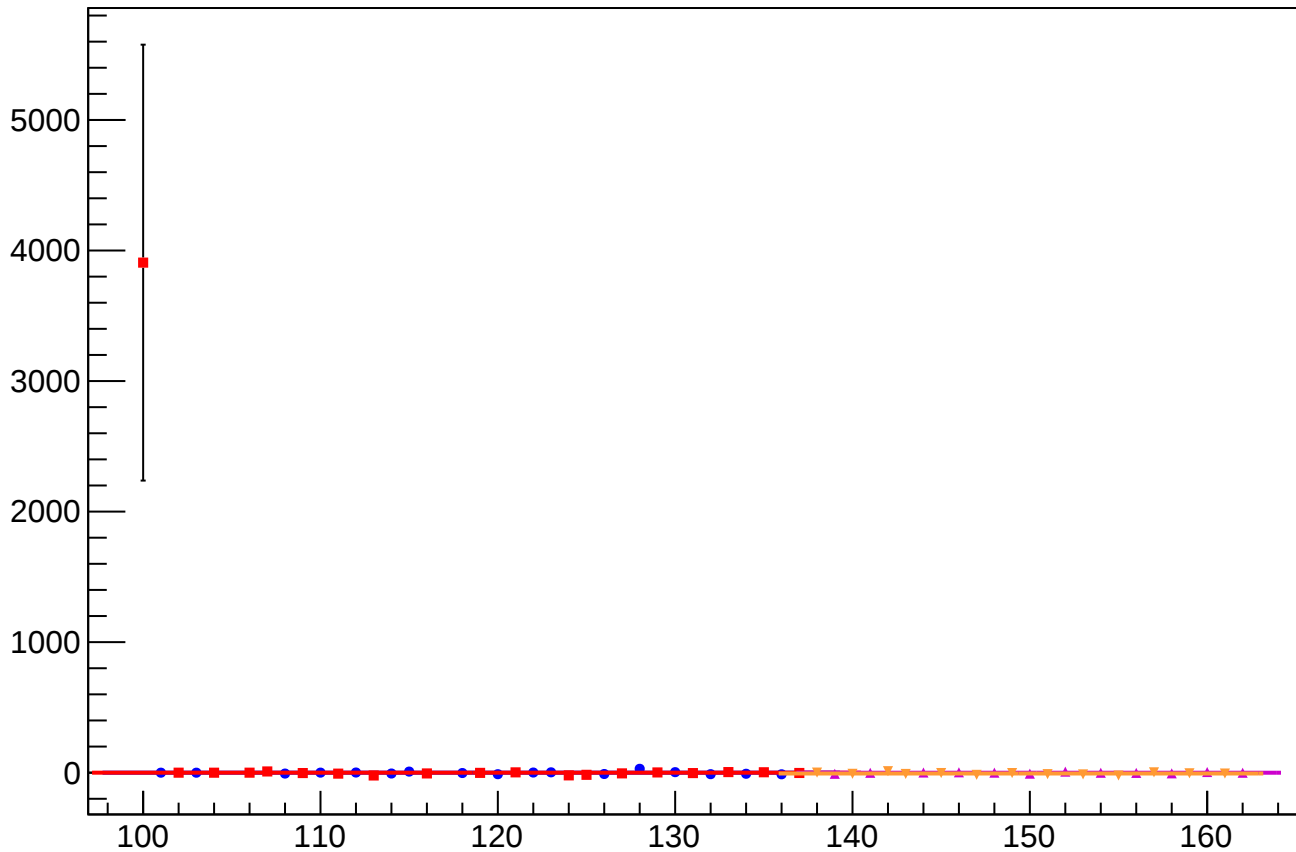
Left In: 511.148 $\pm$ 0.117 χ^2 /NDF: 308391.0/11

+ sign 539.777 $\pm$ 0.100 χ^2 /NDF: 3583225.5/29

All: 537.962 $\pm$ 0.070 χ^2 /NDF: 7601795.1/60

- sign 536.176 $\pm$ 0.099 χ^2 /NDF: 4017916.9/30

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -6.287 ± 1.367 χ^2/NDF : 29.8/12

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.3/18

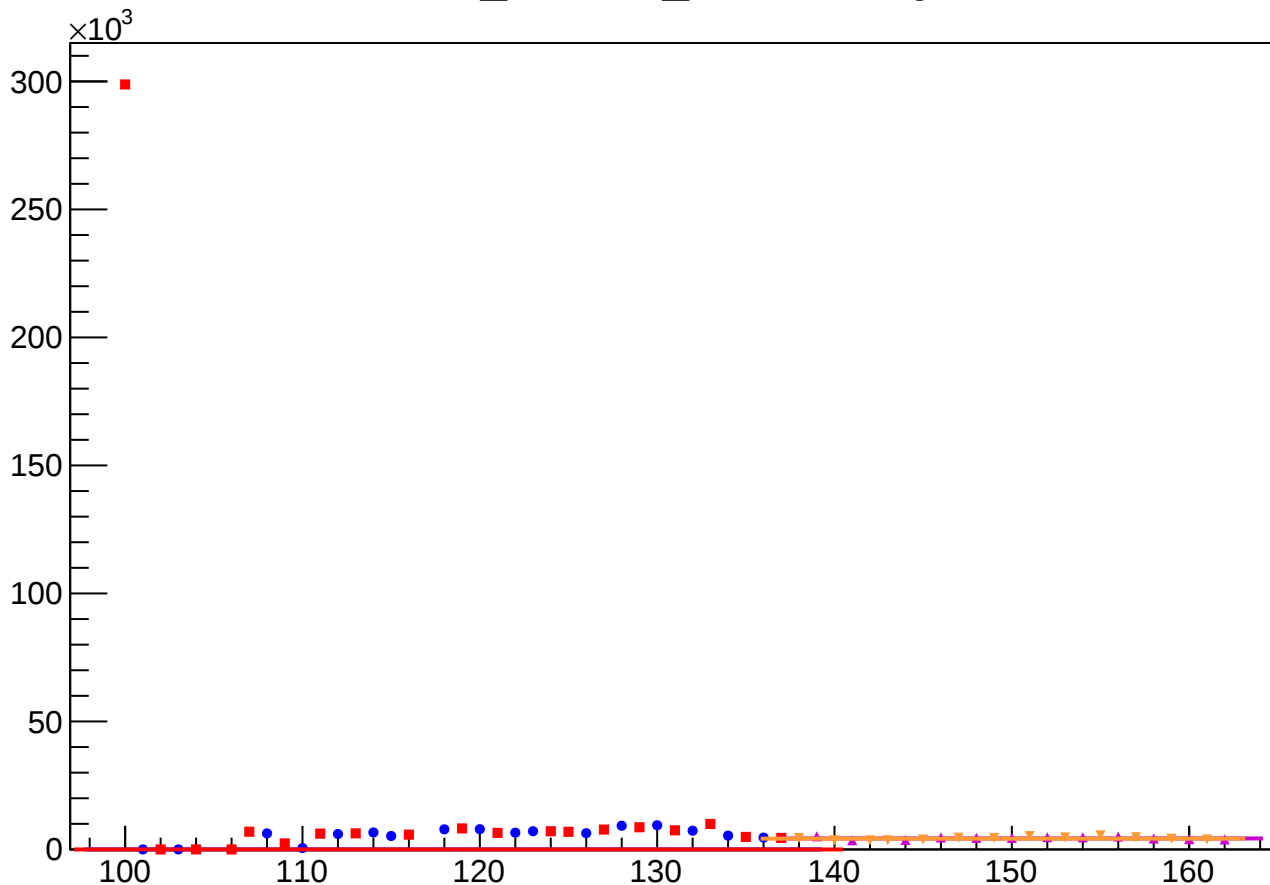
Left In: -0.368 ± 1.386 χ^2/NDF : 9.6/11

+ sign -0.023 ± 0.021 χ^2/NDF : 66.0/29

All: -0.025 ± 0.014 χ^2/NDF : 93.0/60

- sign -0.027 ± 0.020 χ^2/NDF : 26.9/30

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4223.046 $\pm$ 0.967 χ^2 /NDF: 333390.4/12

Right Out: 17.268 $\pm$ 0.014 χ^2 /NDF: 10813350.8/18

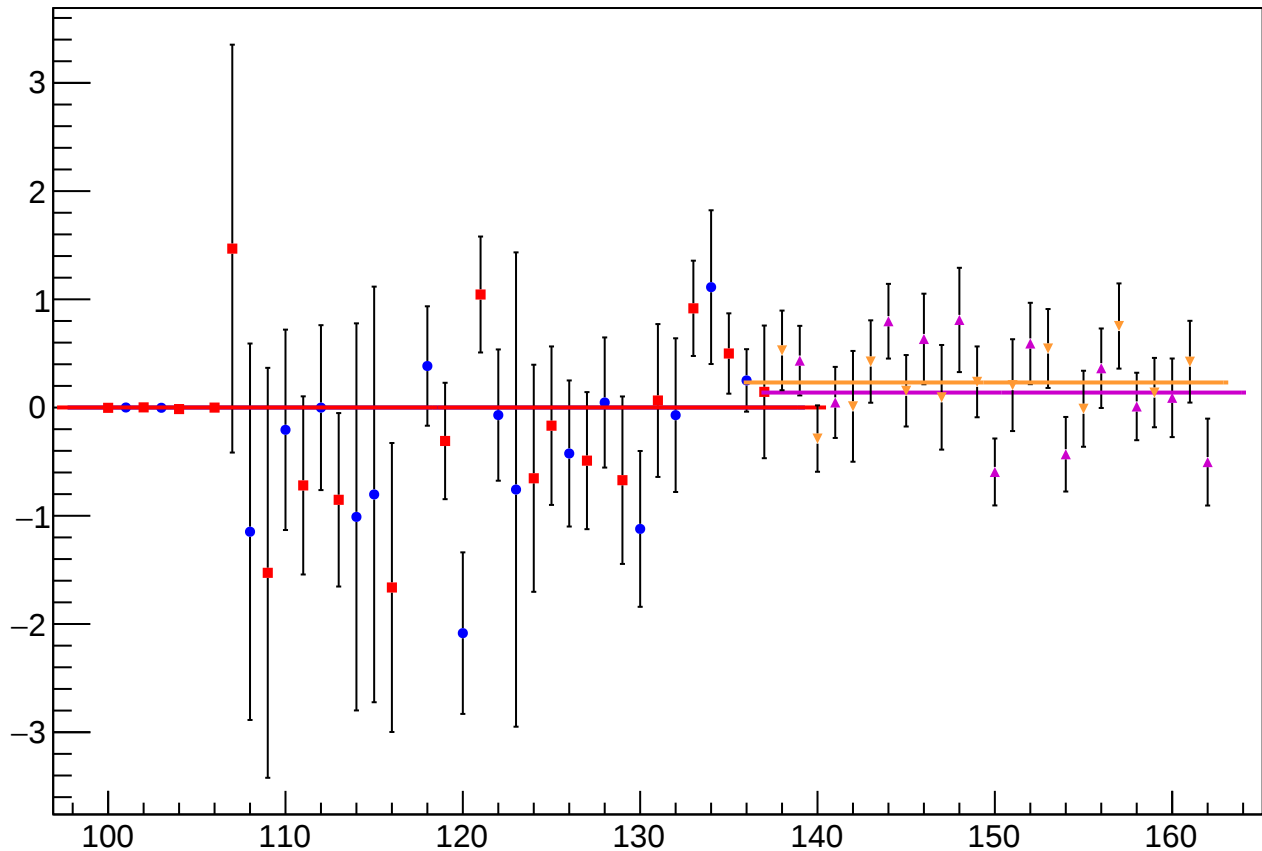
Left In: 4294.859 $\pm$ 0.980 χ^2 /NDF: 256179.6/11

+ sign 18.310 $\pm$ 0.015 χ^2 /NDF: 29616238.6/29

All: 18.220 $\pm$ 0.010 χ^2 /NDF: 59724953.2/60

- sign 18.139 $\pm$ 0.014 χ^2 /NDF: 30108643.6/30

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.232 ± 0.102 χ^2/NDF : 7.4/12

Right Out: 0.001 ± 0.002 χ^2/NDF : 17.8/18

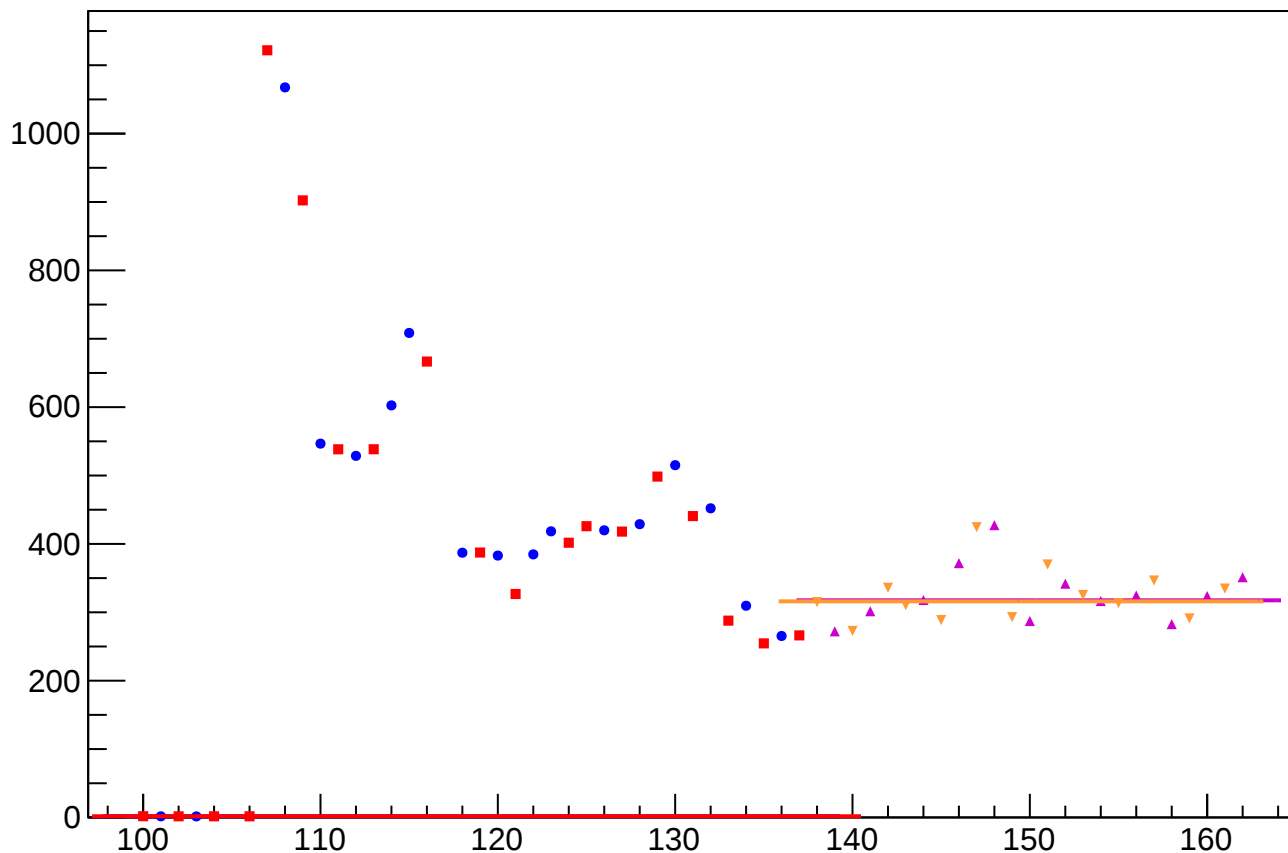
Left In: 0.138 ± 0.103 χ^2/NDF : 20.8/11

+ sign 0.000 ± 0.002 χ^2/NDF : 28.2/29

All: 0.001 ± 0.001 χ^2/NDF : 68.7/60

- sign 0.001 ± 0.002 χ^2/NDF : 40.4/30

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 316.015 $\pm$ 0.072 χ^2 /NDF:230338.4/12

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

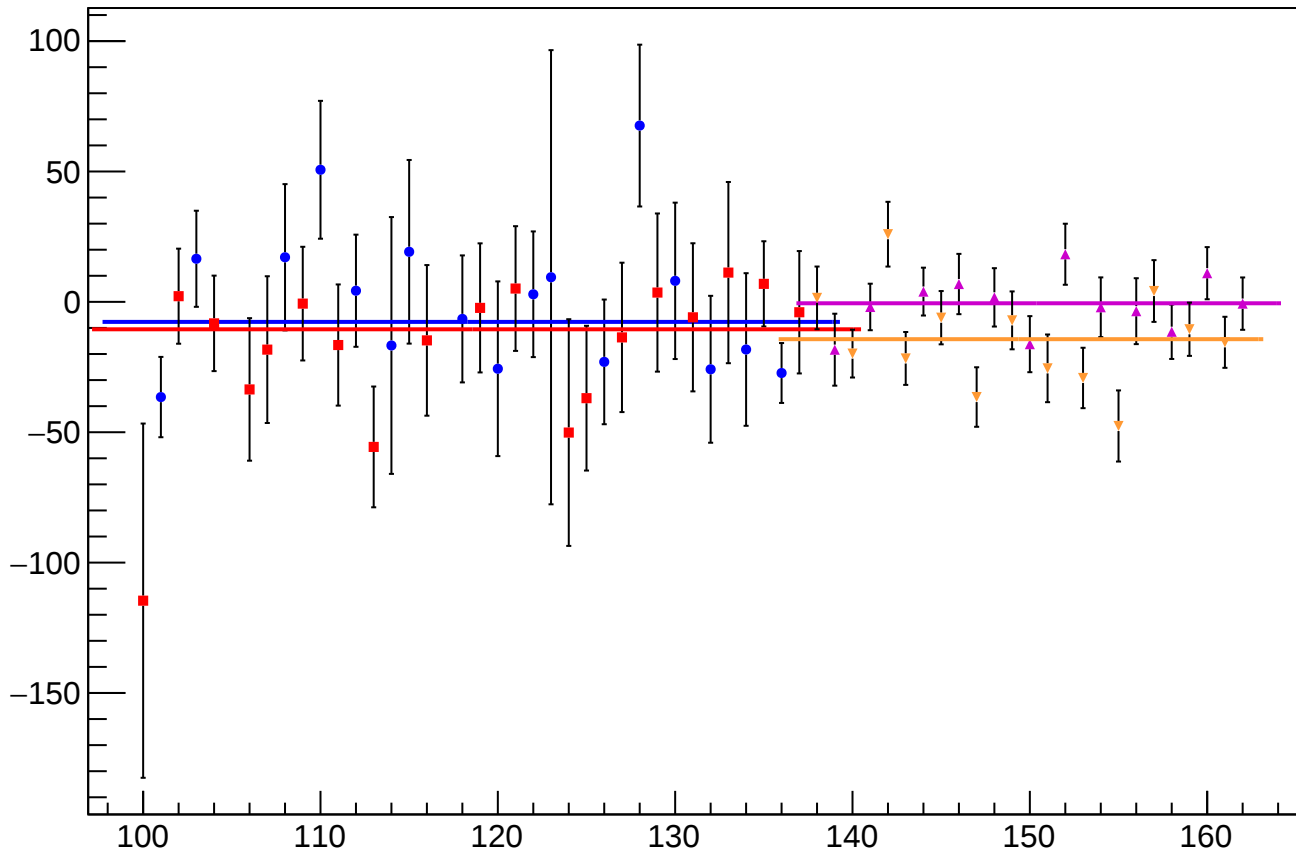
Left In: 317.510 $\pm$ 0.073 χ^2 /NDF:250352.2/11

+ sign 1.822 $\pm$ 0.001 χ^2 /NDF: 30086039.0/29

All: 1.832 $\pm$ 0.001 χ^2 /NDF: 59975914.8/60

- sign 1.841 $\pm$ 0.001 χ^2 /NDF: 29889785.9/30

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -14.313 ± 3.067 $\chi^2/\text{NDF}: 28.9/12$

Right Out: -10.524 ± 5.682 $\chi^2/\text{NDF}: 11.9/18$

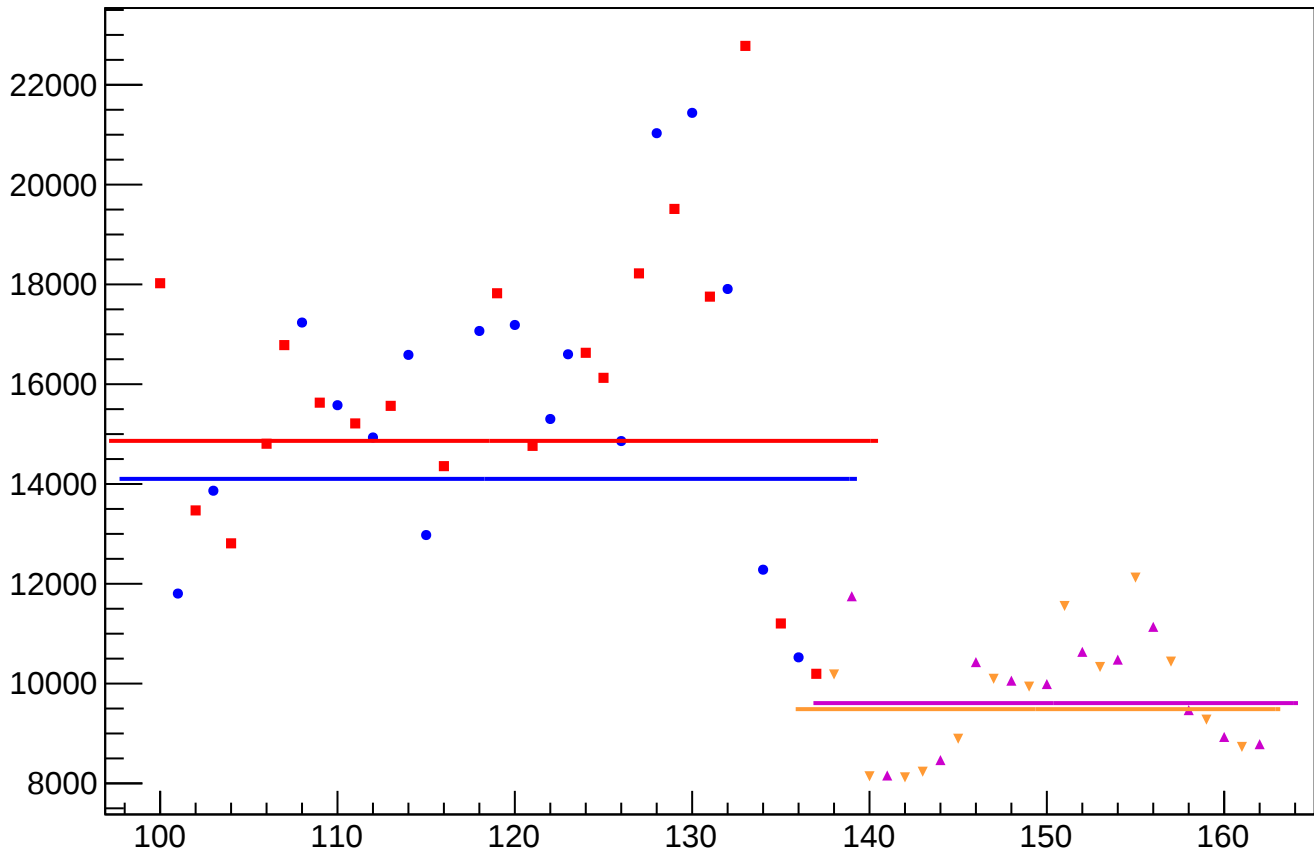
Left In: -0.543 ± 3.099 $\chi^2/\text{NDF}: 9.6/11$

+ sign -12.795 ± 2.693 $\chi^2/\text{NDF}: 52.4/29$

All: -7.864 ± 1.914 $\chi^2/\text{NDF}: 83.0/60$

- sign -2.831 ± 2.721 $\chi^2/\text{NDF}: 23.8/30$

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9487.834+/-2.169 χ^2/NDF : 282115.9/12

Right Out: 14864.163+/-4.018 χ^2/NDF : 470280.3/18

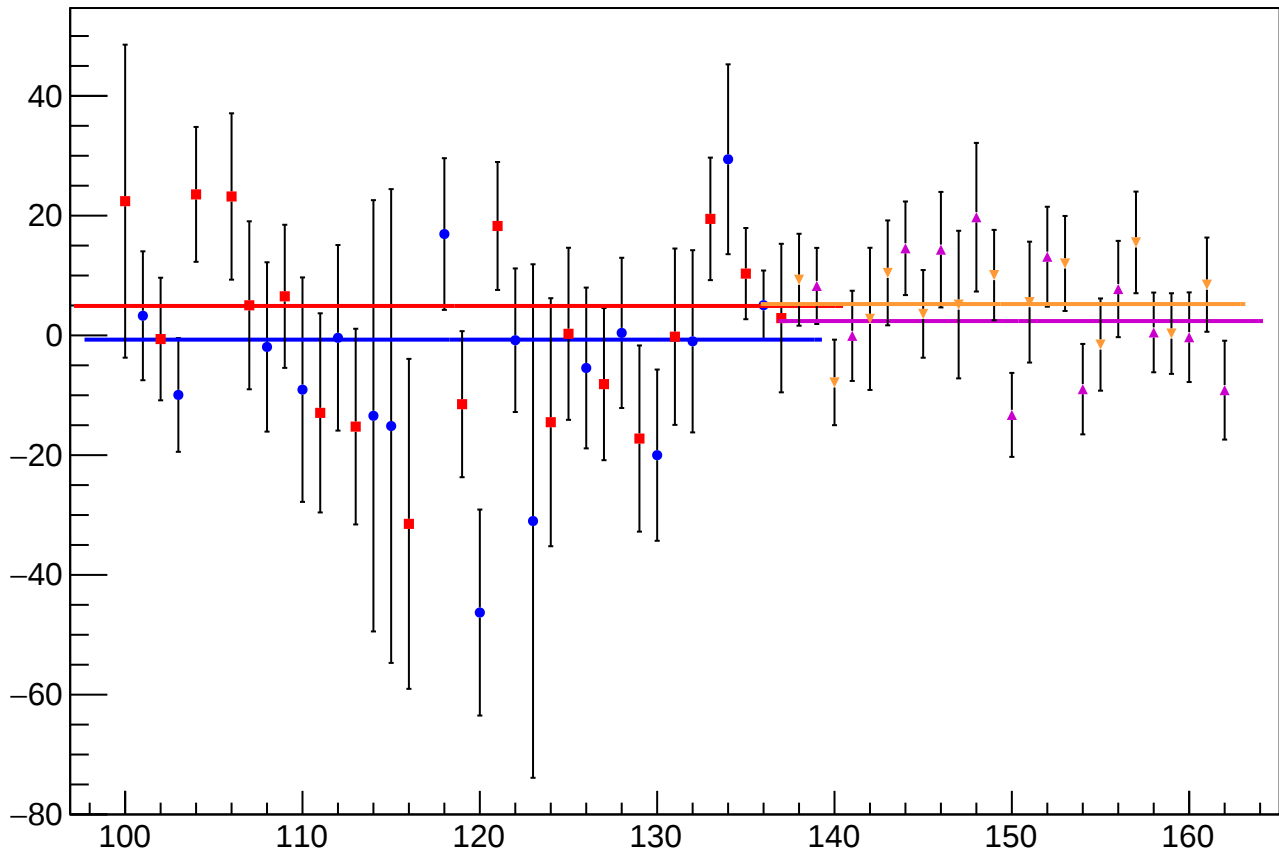
Left In: 9608.753+/-2.191 χ^2/NDF : 227169.4/11

+ sign 10544.731+/-1.904 χ^2/NDF : 1918021.3/29

All: 10677.837+/-1.353 χ^2/NDF : 3943905.9/6

- sign 10813.708+/-1.924 χ^2/NDF : 2016011.3/30

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 $\chi^2/\text{NDF}: 17.6/16$

Left Out: 5.233 ± 2.270 $\chi^2/\text{NDF}: 8.2/12$

Right Out: 4.918 ± 2.940 $\chi^2/\text{NDF}: 19.8/18$

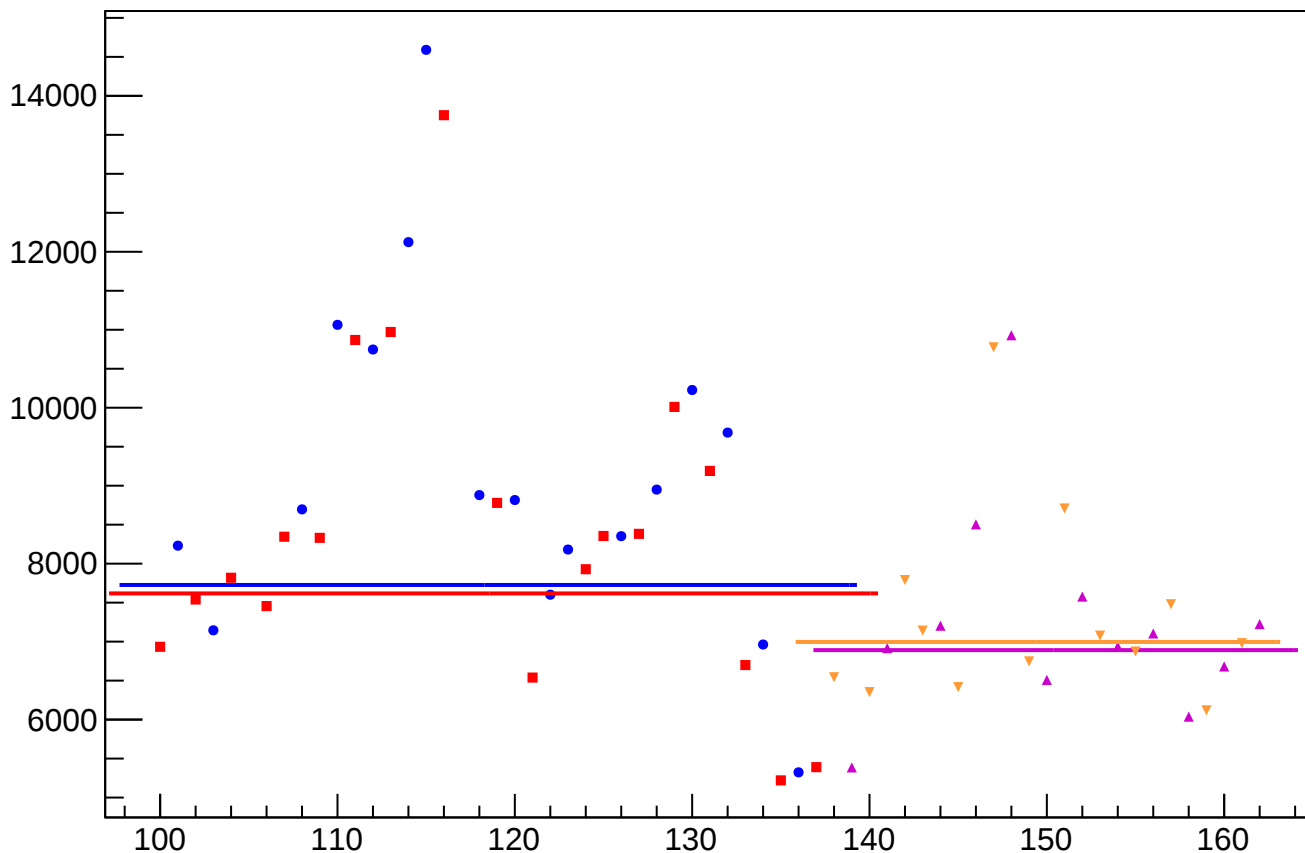
Left In: 2.395 ± 2.243 $\chi^2/\text{NDF}: 18.4/11$

+ sign 3.146 ± 1.828 $\chi^2/\text{NDF}: 28.1/29$

All: 3.237 ± 1.276 $\chi^2/\text{NDF}: 66.8/60$

- sign 3.323 ± 1.783 $\chi^2/\text{NDF}: 38.6/30$

diff_bpm4aY_rms vs Slug



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 6996.010+/-1.605 χ^2/NDF : 334075.1/12

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

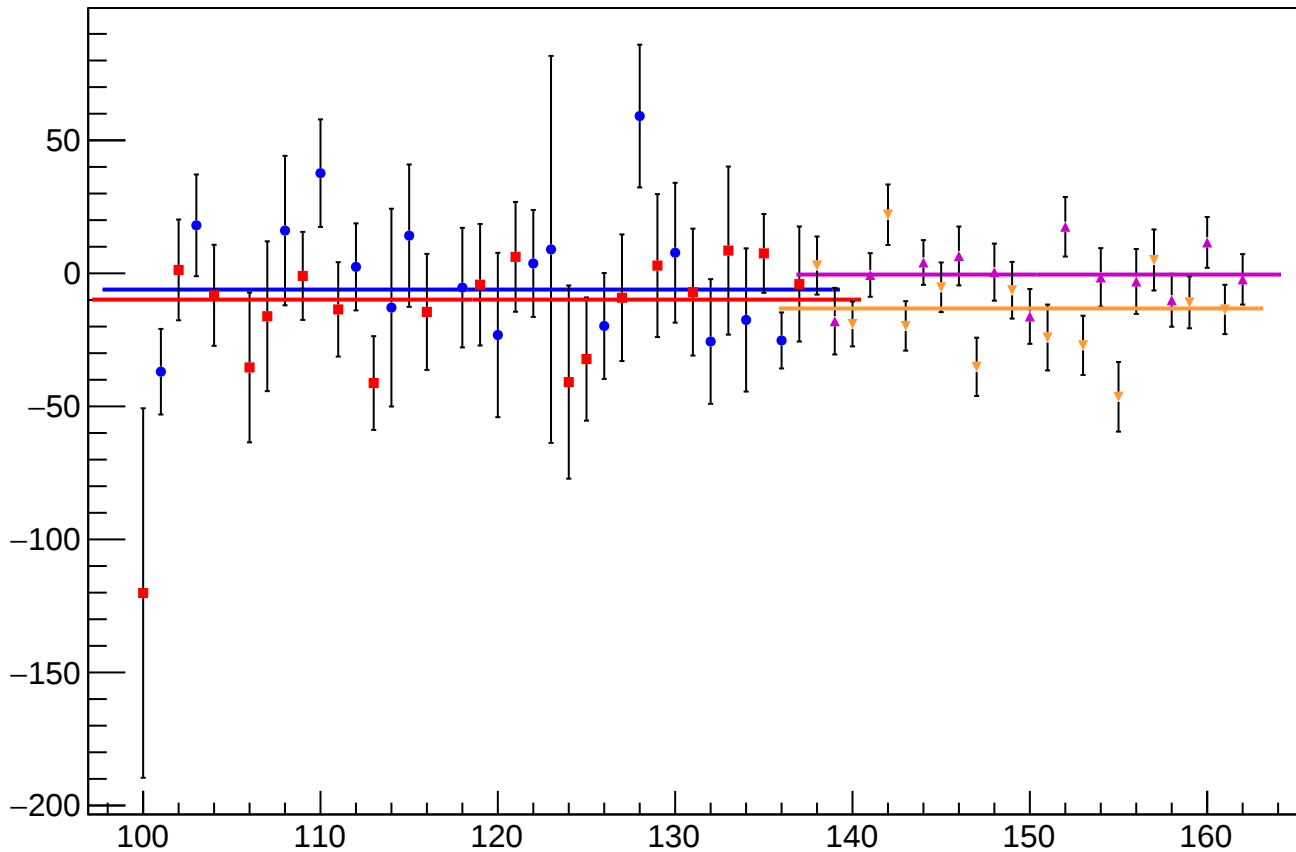
Left In: 6890.984+/-1.586 χ^2/NDF : 441727.4/11

+ sign 7252.769+/-1.292 χ^2/NDF : 1149442.2/29

All: 7204.514+/-0.903 χ^2/NDF : 2346379.4/60

- sign 7158.587+/-1.261 χ^2/NDF : 1194216.4/30

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -13.197 ± 2.879 χ^2/NDF : 29.2/12

Right Out: -9.864 ± 5.004 χ^2/NDF : 11.6/18

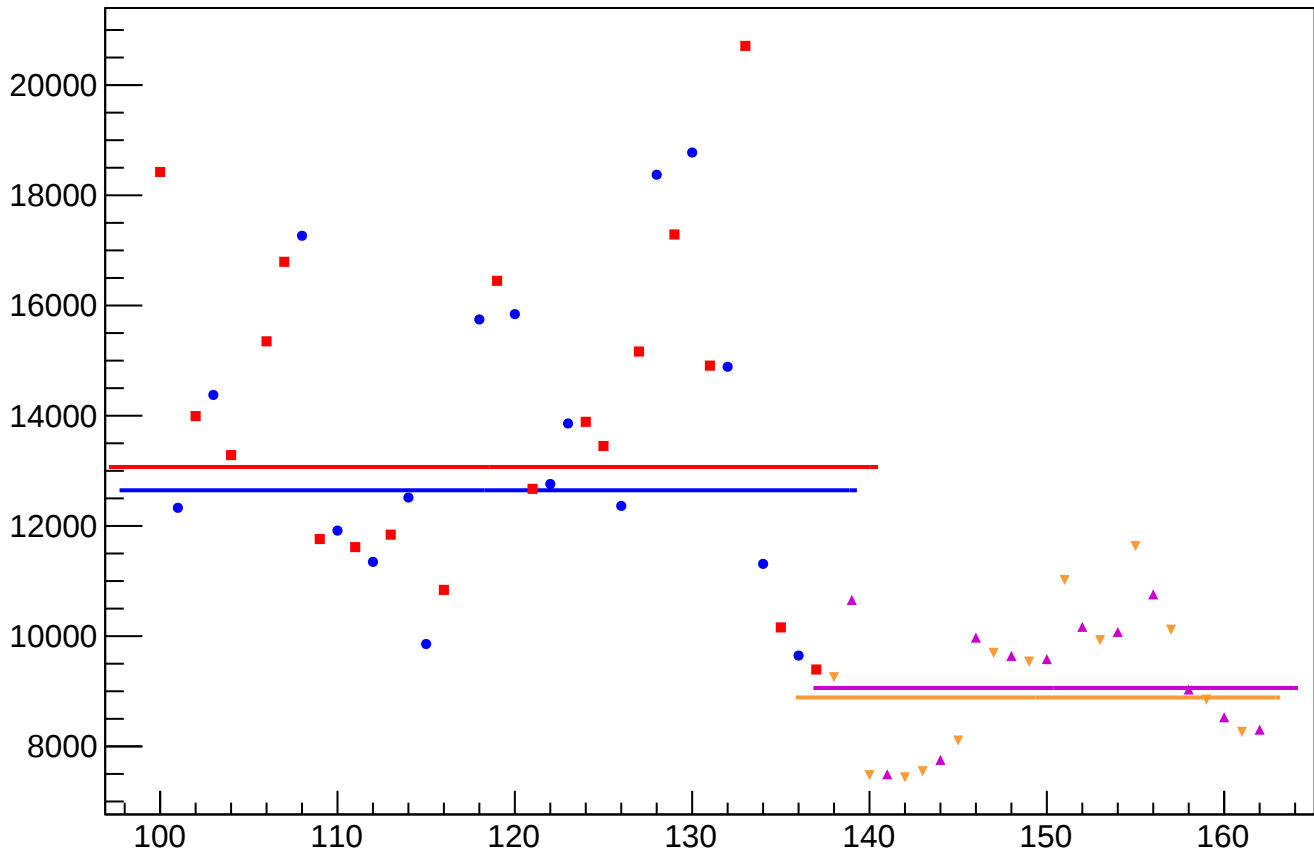
Left In: -0.454 ± 2.926 χ^2/NDF : 10.2/11

+ sign -11.445 ± 2.499 χ^2/NDF : 53.6/29

All: -7.193 ± 1.776 χ^2/NDF : 84.0/60

- sign -2.851 ± 2.526 χ^2/NDF : 24.5/30

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8887.499+/-2.036 χ^2/NDF : 361754.7/12

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

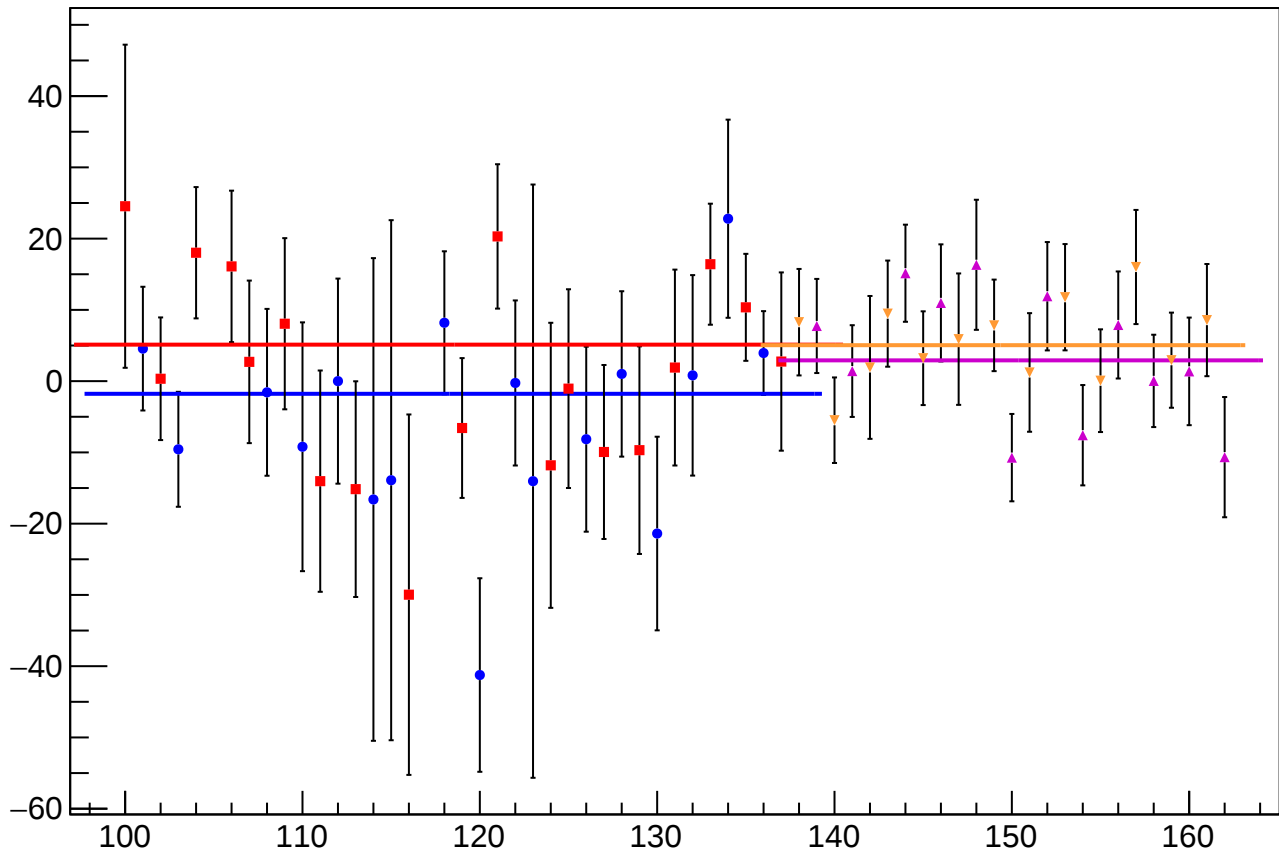
Left In: 9059.941+/-2.069 χ^2/NDF : 272977.1/11

+ sign 9814.424+/-1.767 χ^2/NDF : 1756768.1/29

All: 9946.600+/-1.256 χ^2/NDF : 3494640.7/60

- sign 10081.555+/-1.786 χ^2/NDF : 1726568.2/30

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 5.046 ± 2.047 χ^2/NDF : 7.7/12

Right Out: 5.122 ± 2.642 χ^2/NDF : 18.9/18

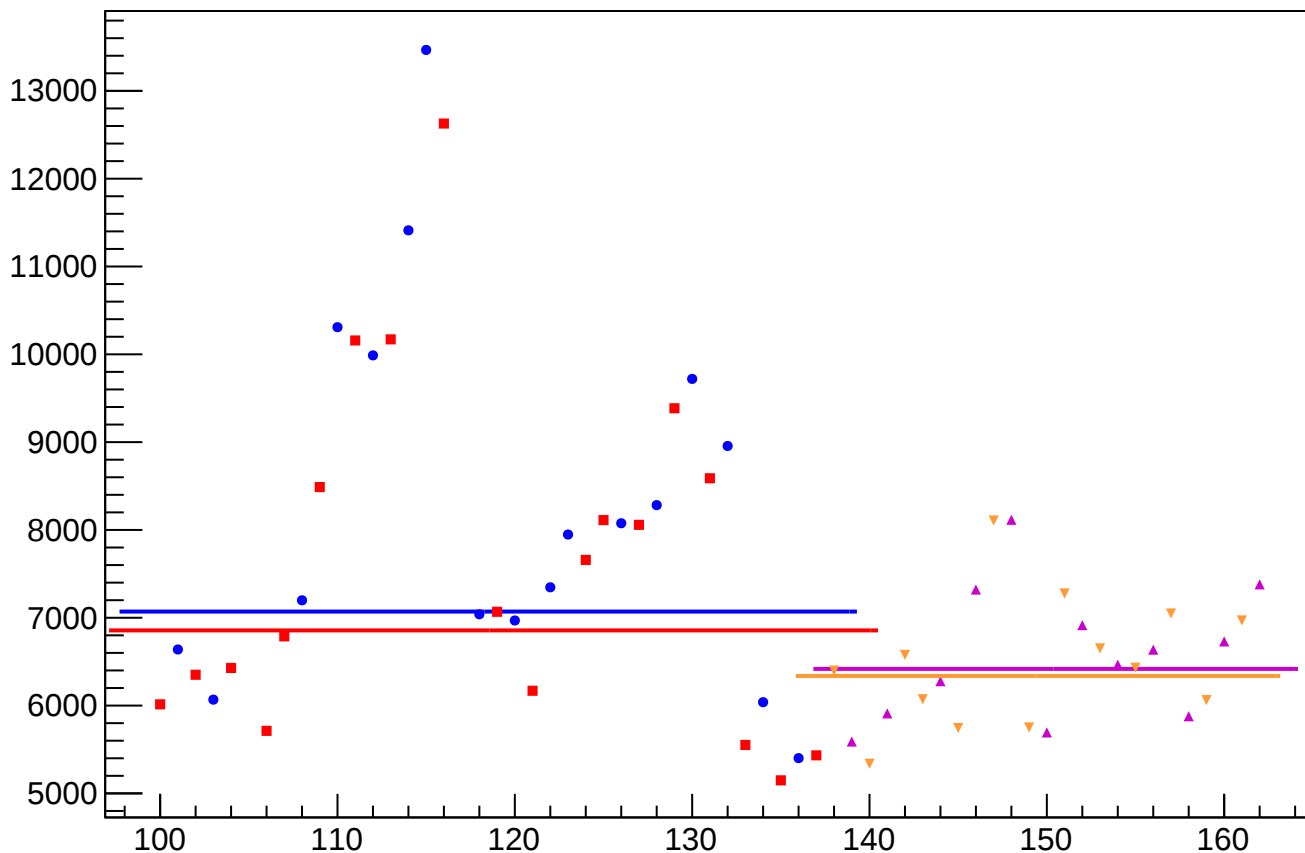
Left In: 2.916 ± 2.073 χ^2/NDF : 18.8/11

+ sign 2.676 ± 1.654 χ^2/NDF : 29.5/29

All: 3.224 ± 1.161 χ^2/NDF : 67.8/60

- sign 3.757 ± 1.631 χ^2/NDF : 38.1/30

diff_bpm4eY_rms vs Slug



Right In: 7070.672+/-1.984 χ^2/NDF : 601692.5/16

Left Out: 6337.359+/-1.448 χ^2/NDF : 227347.2/12

Right Out: 6856.136+/-1.868 χ^2/NDF : 682220.3/18

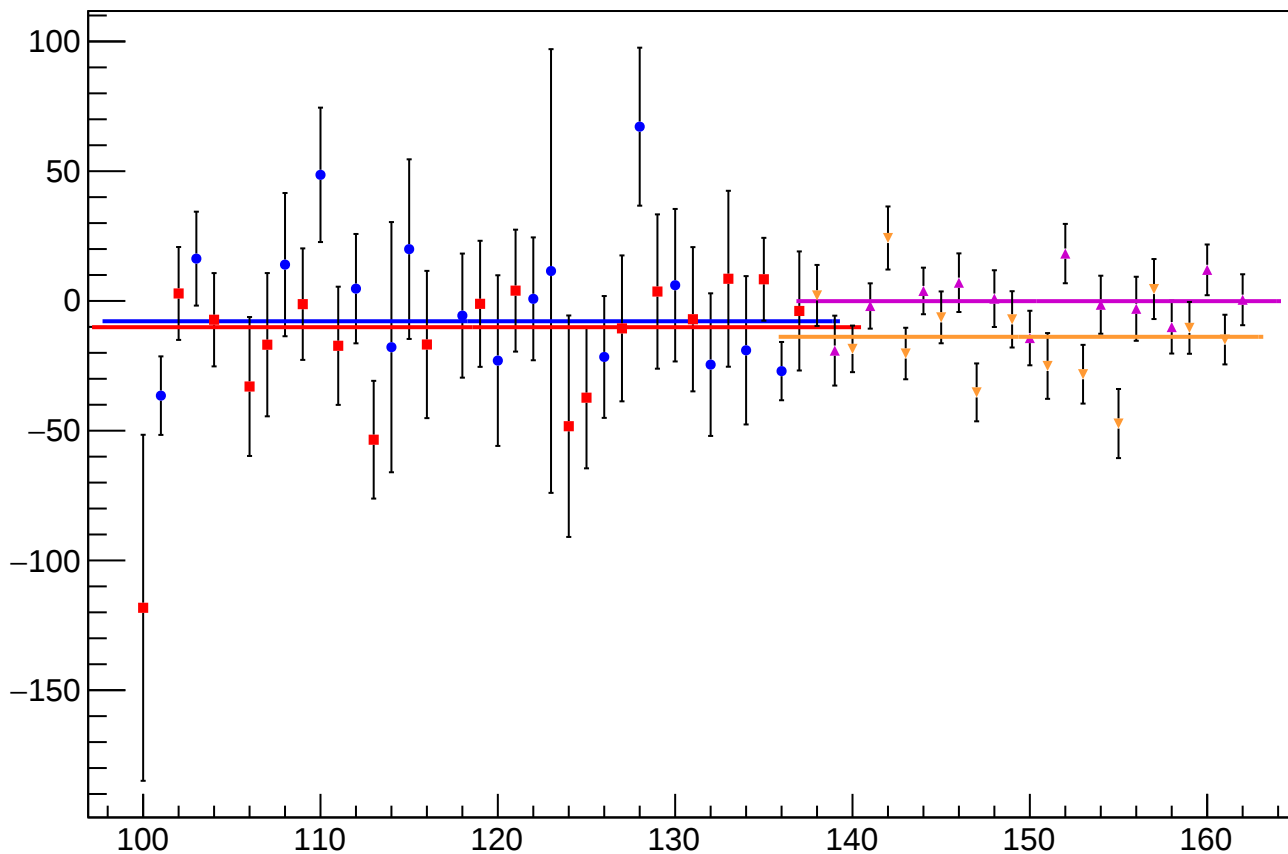
Left In: 6417.505+/-1.466 χ^2/NDF : 219608.2/11

+ sign 6592.100+/-1.169 χ^2/NDF : 918183.9/29

All: 6588.342+/-0.821 χ^2/NDF : 1854151.3/60

- sign 6584.688+/-1.153 χ^2/NDF : 935947.0/30

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -13.822 ± 2.998 χ^2/NDF : 28.4/12

Right Out: -10.117 ± 5.571 χ^2/NDF : 12.2/18

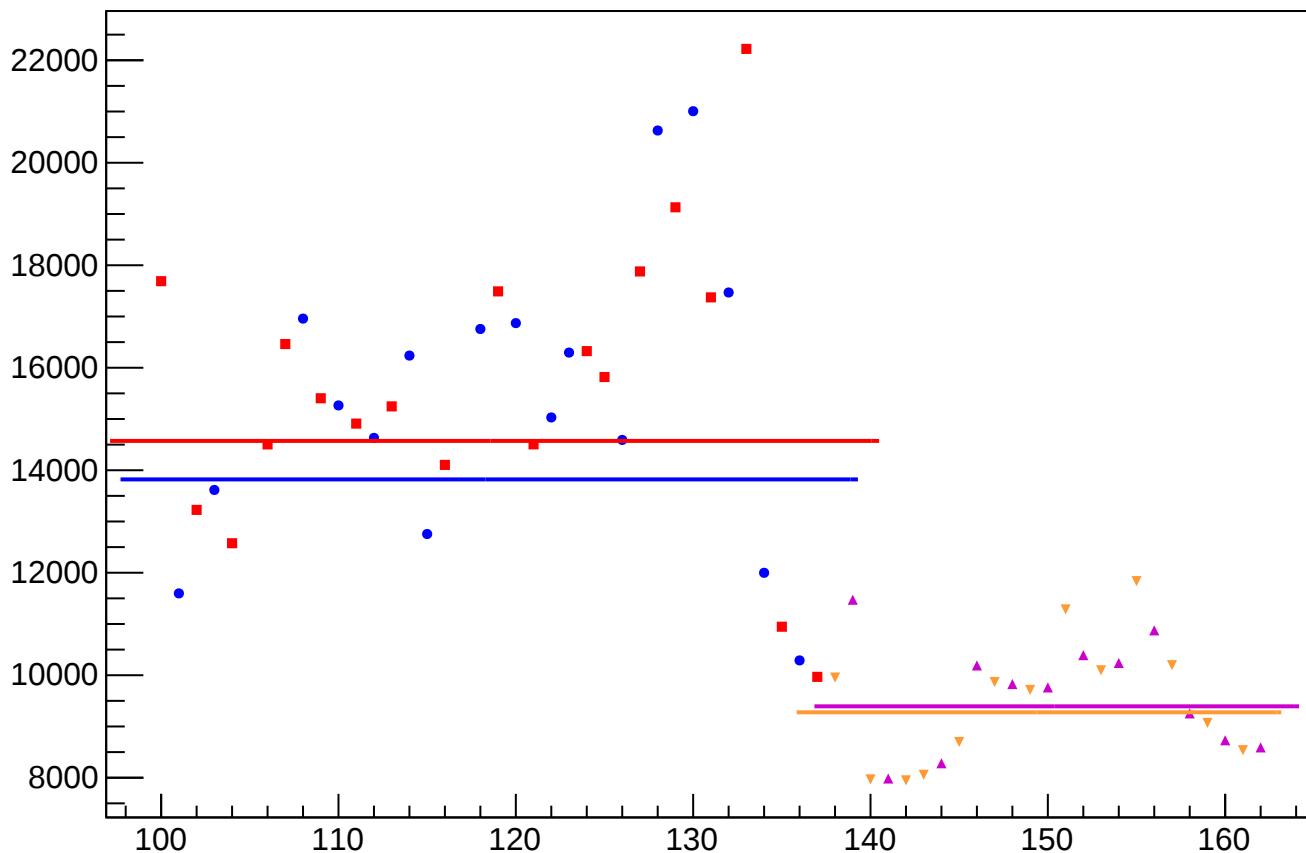
Left In: -0.080 ± 3.029 χ^2/NDF : 9.6/11

+ sign -12.454 ± 2.634 χ^2/NDF : 51.5/29

All: -7.464 ± 1.872 χ^2/NDF : 83.1/60

- sign -2.370 ± 2.661 χ^2/NDF : 24.3/30

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9276.485+/-2.120 χ^2/NDF :278883.1/12

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

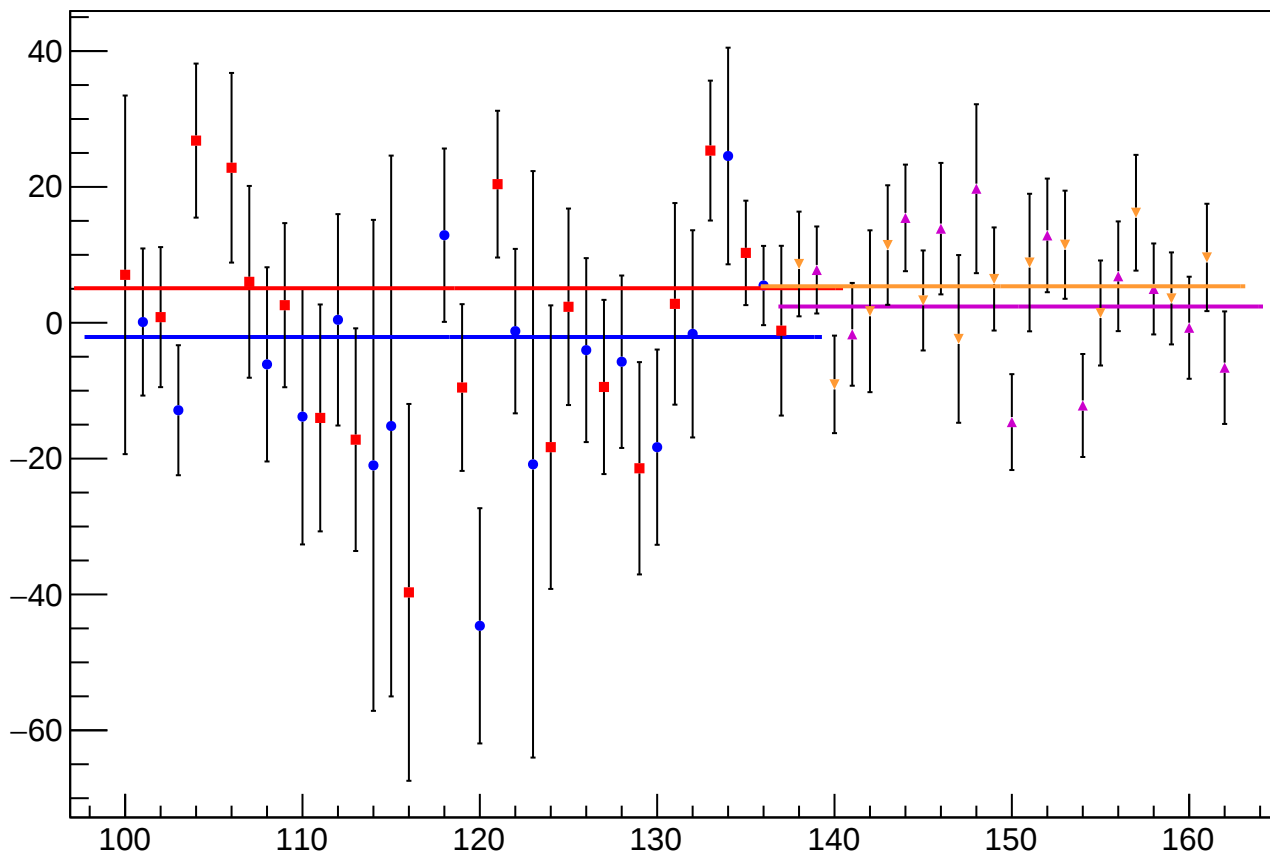
Left In: 9393.161+/-2.142 χ^2/NDF :224415.1/11

+ sign 10313.093+/-1.863 χ^2/NDF : 1929644.8/29

All: 10442.749+/-1.324 χ^2/NDF : 3970390.3/6

- sign 10575.087+/-1.882 χ^2/NDF : 2030955.2/30

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 5.371 ± 2.280 χ^2/NDF : 8.2/12

Right Out: 5.085 ± 2.962 χ^2/NDF : 24.8/18

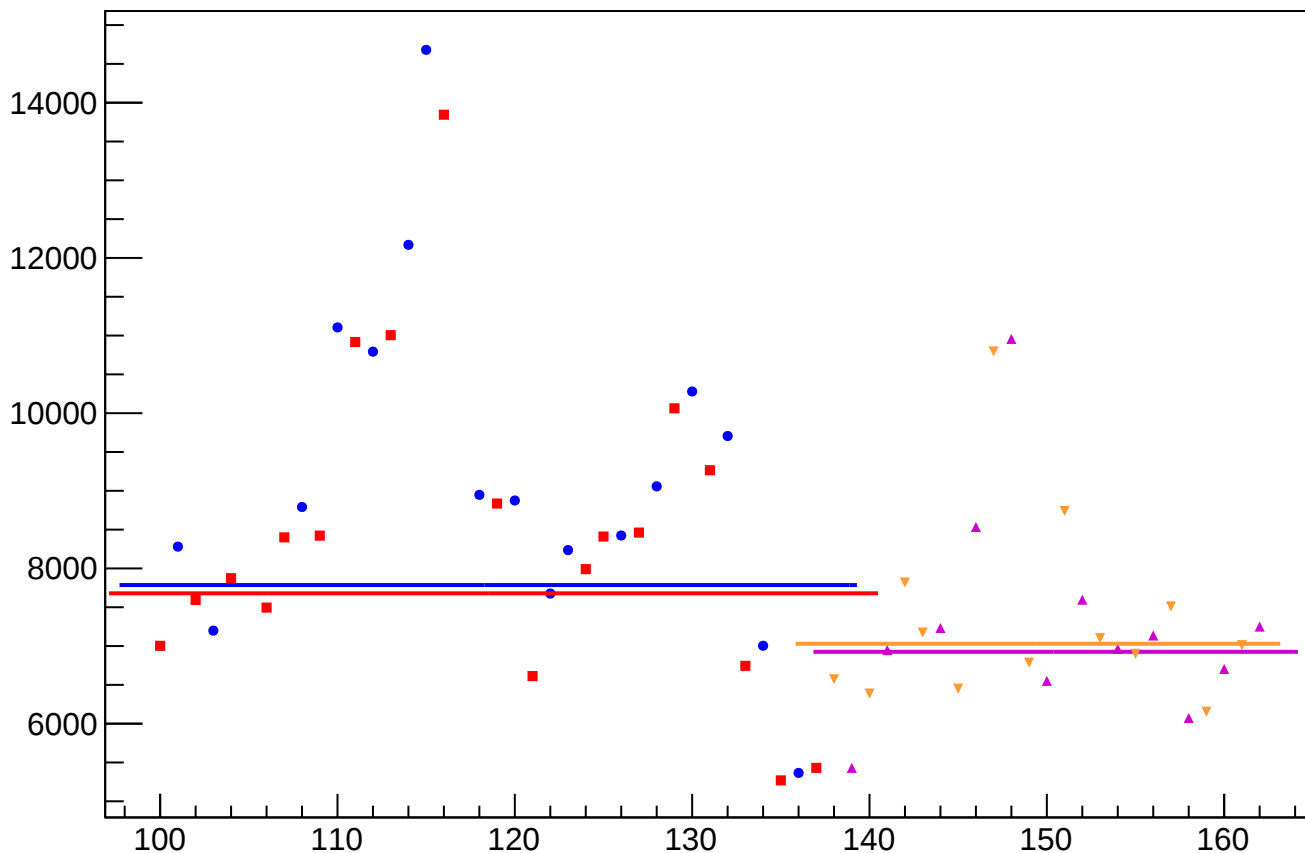
Left In: 2.392 ± 2.254 χ^2/NDF : 20.0/11

+ sign 2.756 ± 1.838 χ^2/NDF : 27.6/29

All: 3.075 ± 1.284 χ^2/NDF : 73.0/60

- sign 3.379 ± 1.794 χ^2/NDF : 45.3/30

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2 /NDF: 738101.9/16

Left Out: 7029.272+/-1.612 χ^2 /NDF:330477.1/12

Right Out: 7679.182+/-2.095 χ^2 /NDF: 668736.8/18

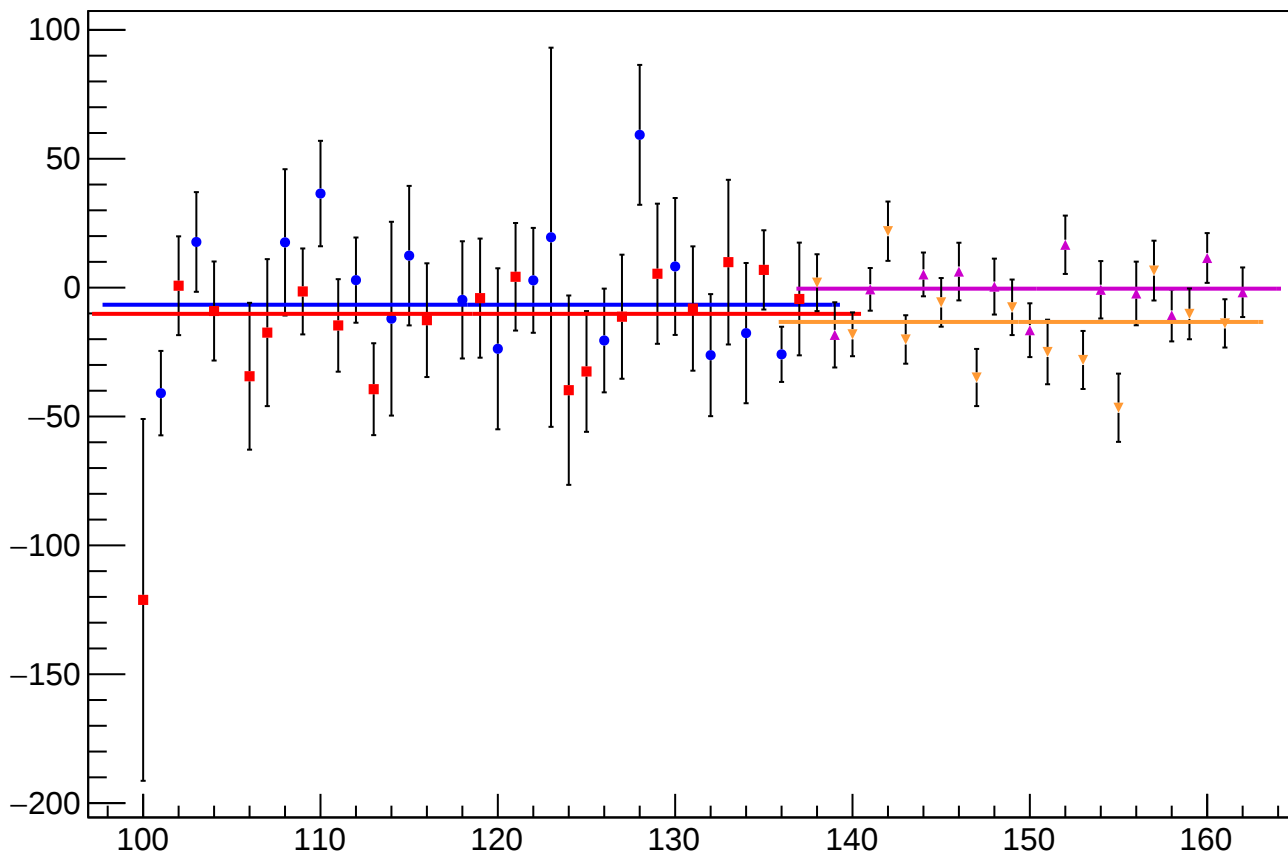
Left In: 6925.805+/-1.594 χ^2 /NDF:434542.5/11

+ sign 7294.146+/-1.300 χ^2 /NDF: 1145699.5/29

All: 7246.952+/-0.908 χ^2 /NDF: 2333491.8/60

- sign 7202.009+/-1.268 χ^2 /NDF: 1185217.8/30

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -13.312 ± 2.911 $\chi^2/\text{NDF}: 28.8/12$

Right Out: -10.172 ± 5.075 $\chi^2/\text{NDF}: 10.8/18$

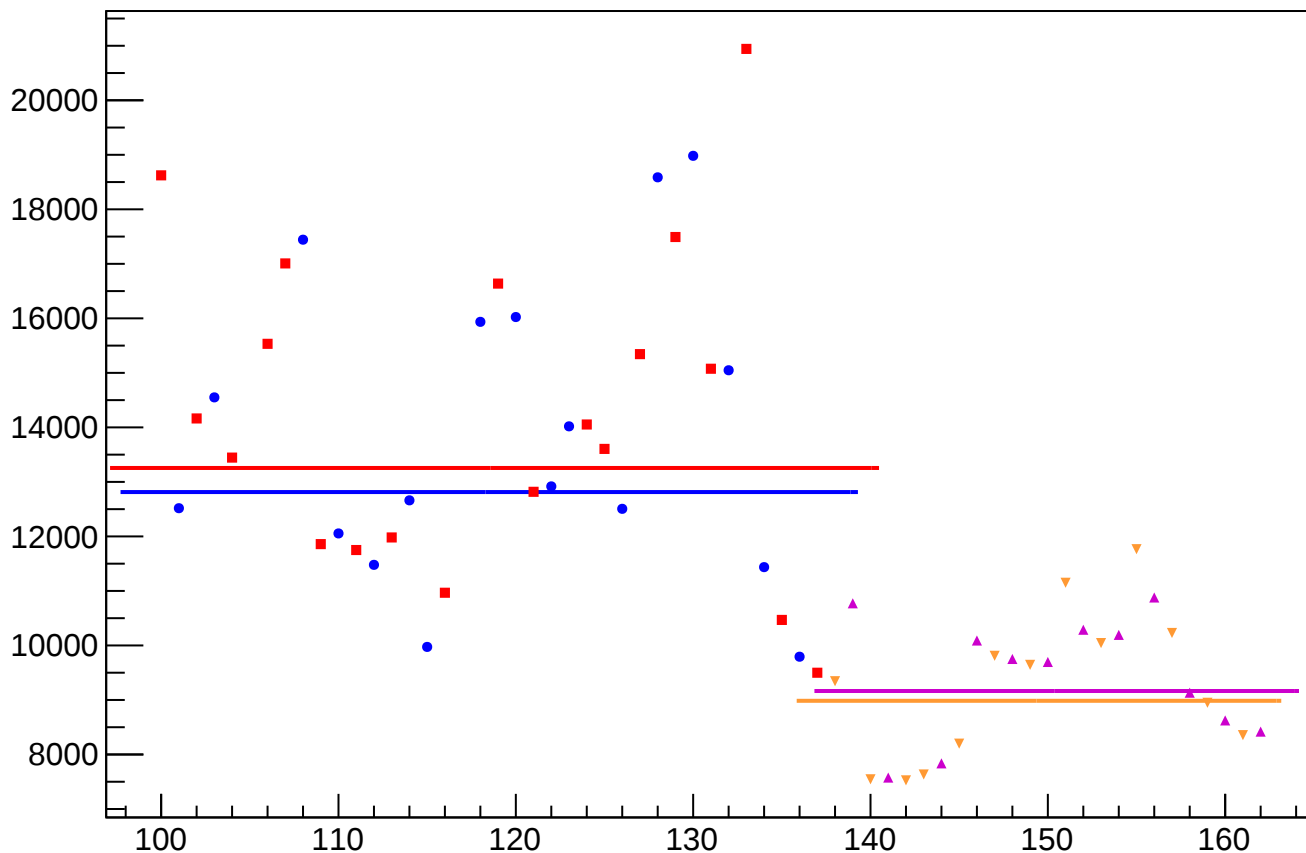
Left In: -0.401 ± 2.959 $\chi^2/\text{NDF}: 10.1/11$

+ sign -11.672 ± 2.528 $\chi^2/\text{NDF}: 53.5/29$

All: -7.325 ± 1.798 $\chi^2/\text{NDF}: 83.1/60$

- sign -2.881 ± 2.556 $\chi^2/\text{NDF}: 23.6/30$

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8984.788+/-2.058 χ^2/NDF : 363316.2/12

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

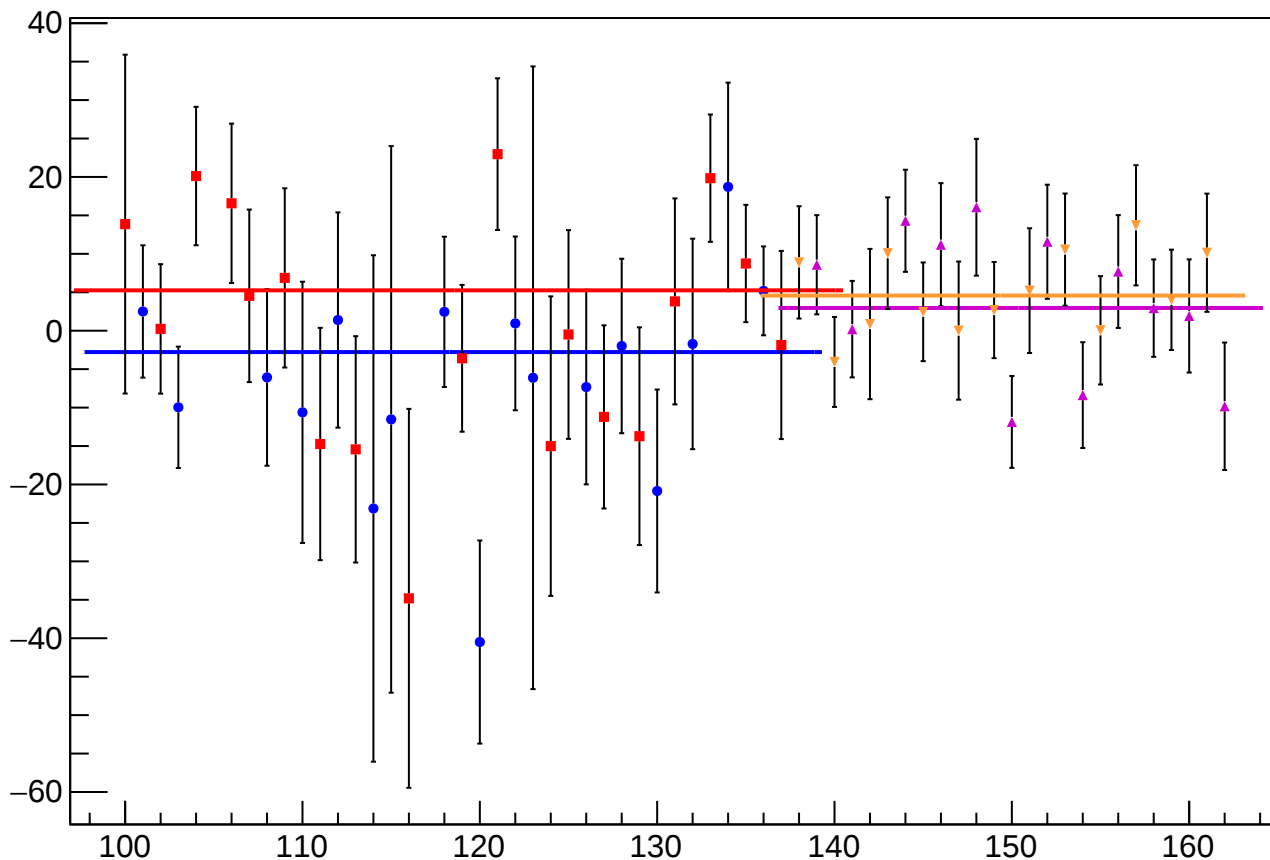
Left In: 9164.419+/-2.093 χ^2/NDF : 273162.4/11

+ sign 9925.333+/-1.788 χ^2/NDF : 1761402.1/29

All: 10062.443+/-1.271 χ^2/NDF : 3500702.5/6

- sign 10202.619+/-1.808 χ^2/NDF : 1727405.5/30

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 4.572 ± 1.998 χ^2/NDF : 6.7/12

Right Out: 5.252 ± 2.590 χ^2/NDF : 23.5/18

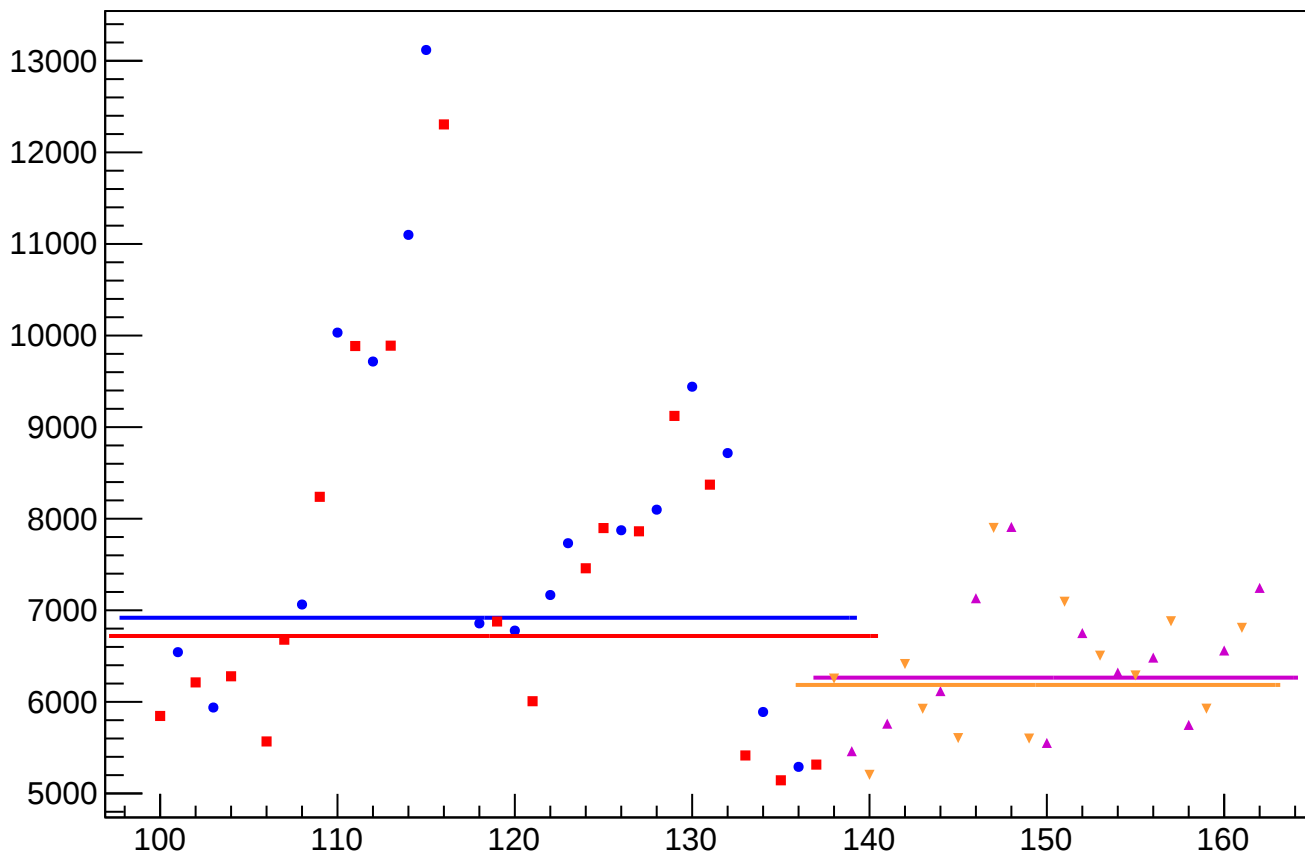
Left In: 2.960 ± 2.024 χ^2/NDF : 20.1/11

+ sign 2.029 ± 1.616 χ^2/NDF : 28.4/29

All: 2.941 ± 1.135 χ^2/NDF : 73.1/60

- sign 3.829 ± 1.595 χ^2/NDF : 44.1/30

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6184.864+/-1.413 χ^2/NDF : 228337.5/12

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

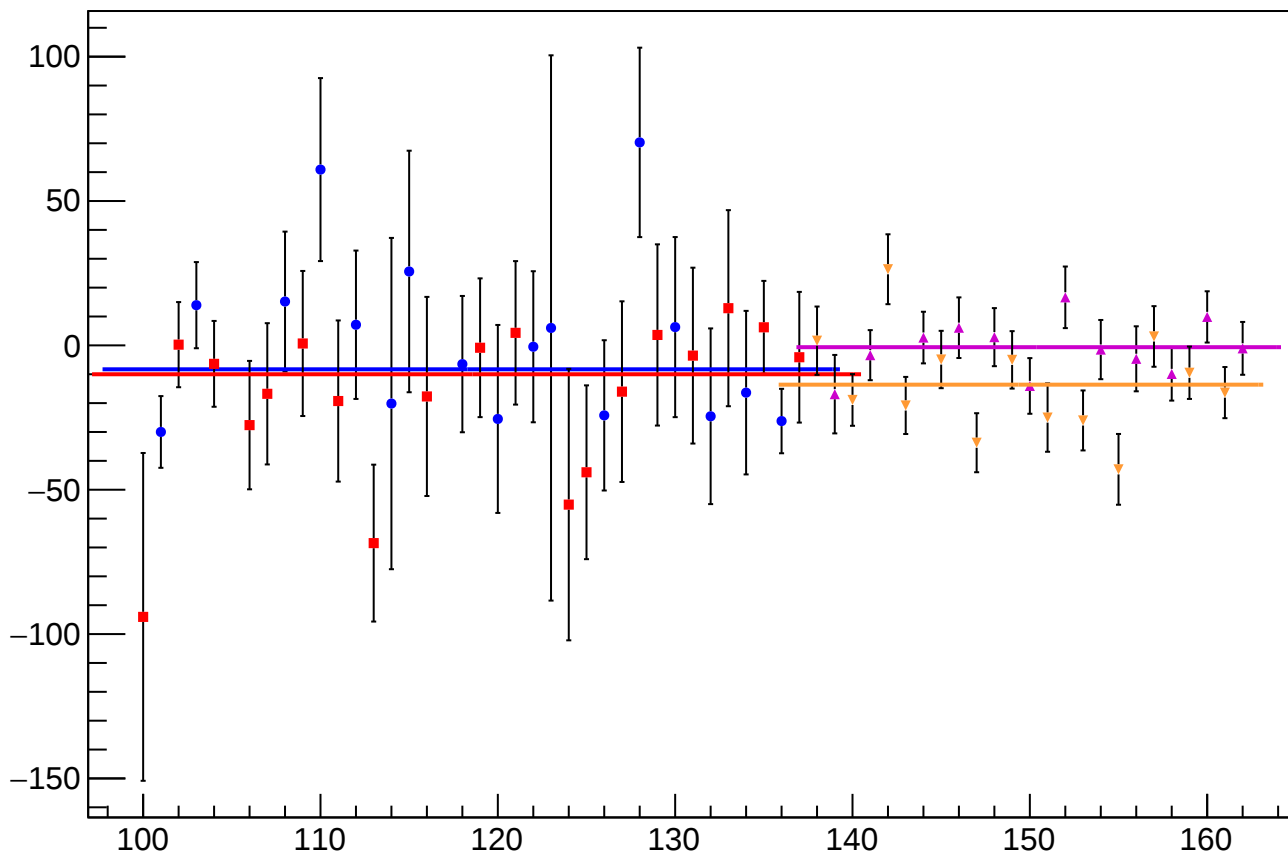
Left In: 6264.506+/-1.431 χ^2/NDF : 220140.3/11

+ sign 6438.693+/-1.143 χ^2/NDF : 909617.8/29

All: 6437.844+/-0.803 χ^2/NDF : 1821901.1/60

- sign 6437.017+/-1.128 χ^2/NDF : 912282.2/30

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -13.608 ± 2.845 χ^2/NDF : 29.7/12

Right Out: -10.007 ± 5.513 χ^2/NDF : 12.9/18

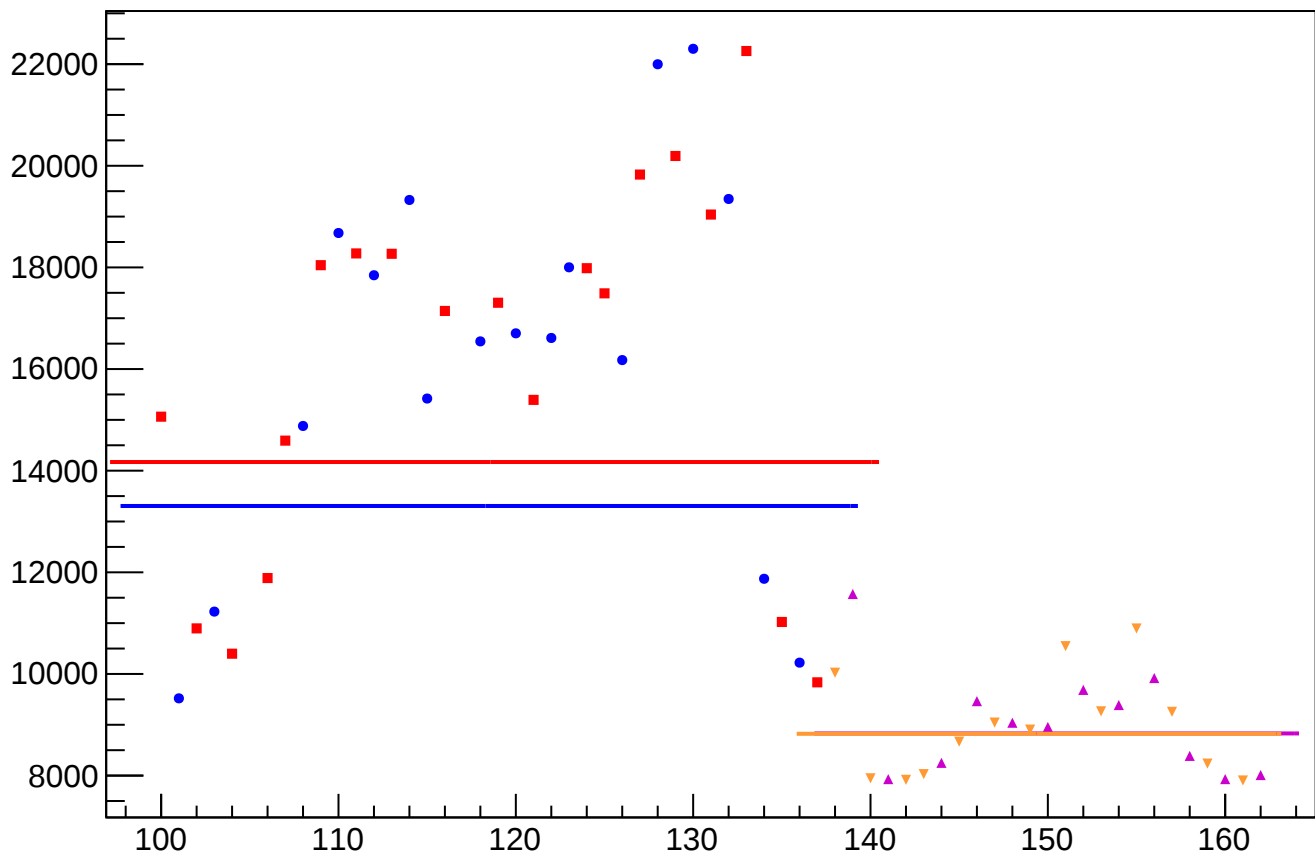
Left In: -0.628 ± 2.846 χ^2/NDF : 9.3/11

+ sign -12.455 ± 2.518 χ^2/NDF : 52.2/29

All: -7.550 ± 1.785 χ^2/NDF : 84.3/60

- sign -2.602 ± 2.529 χ^2/NDF : 24.5/30

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8822.609+/-2.012 χ^2/NDF : 201847.9/12

Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

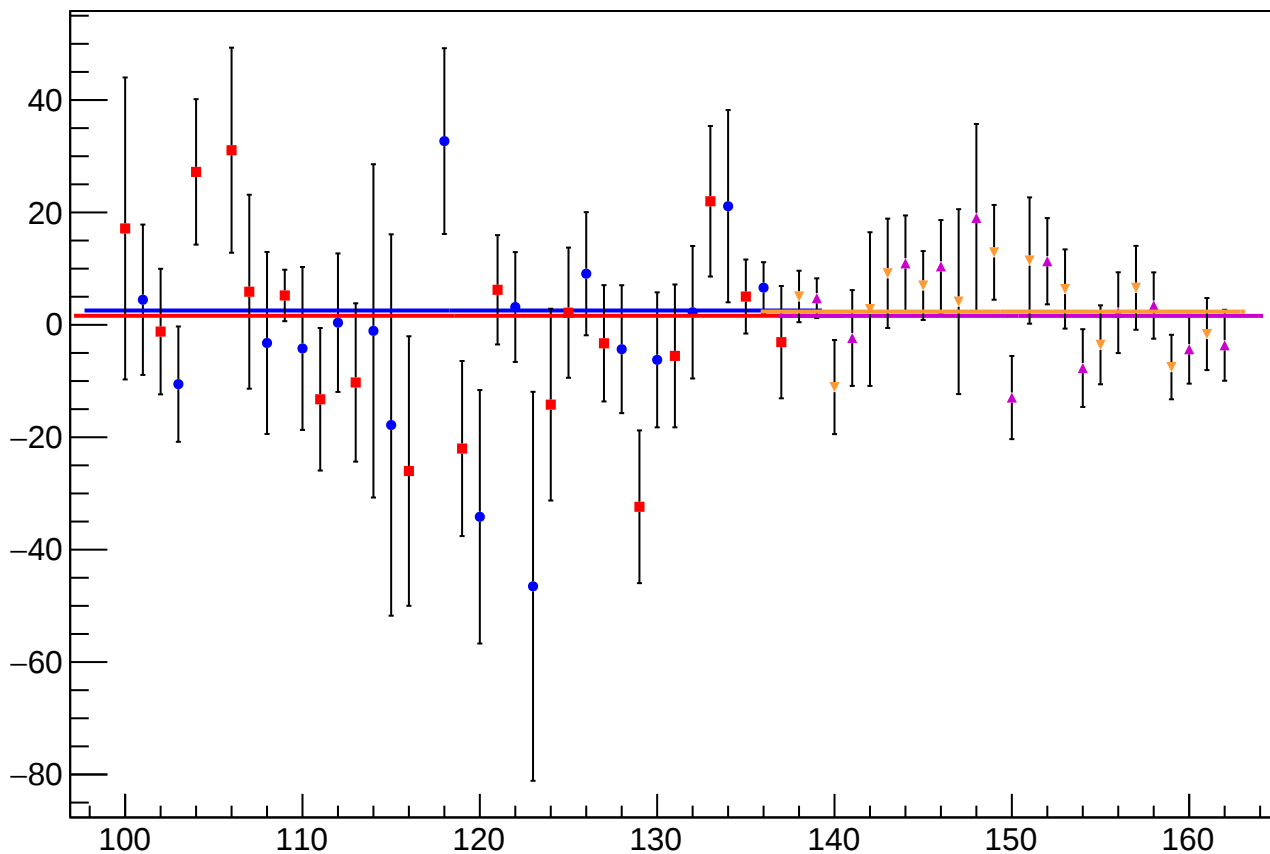
Left In: 8829.507+/-2.013 χ^2/NDF : 198618.8/11

+ sign 9793.937+/-1.781 χ^2/NDF : 2321542.5/29

All: 9873.366+/-1.262 χ^2/NDF : 4936943.9/60

- sign 9953.470+/-1.788 χ^2/NDF : 2611405.4/30

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 2.365 ± 2.027 χ^2/NDF : 10.9/12

Right Out: 1.613 ± 2.442 χ^2/NDF : 24.0/18

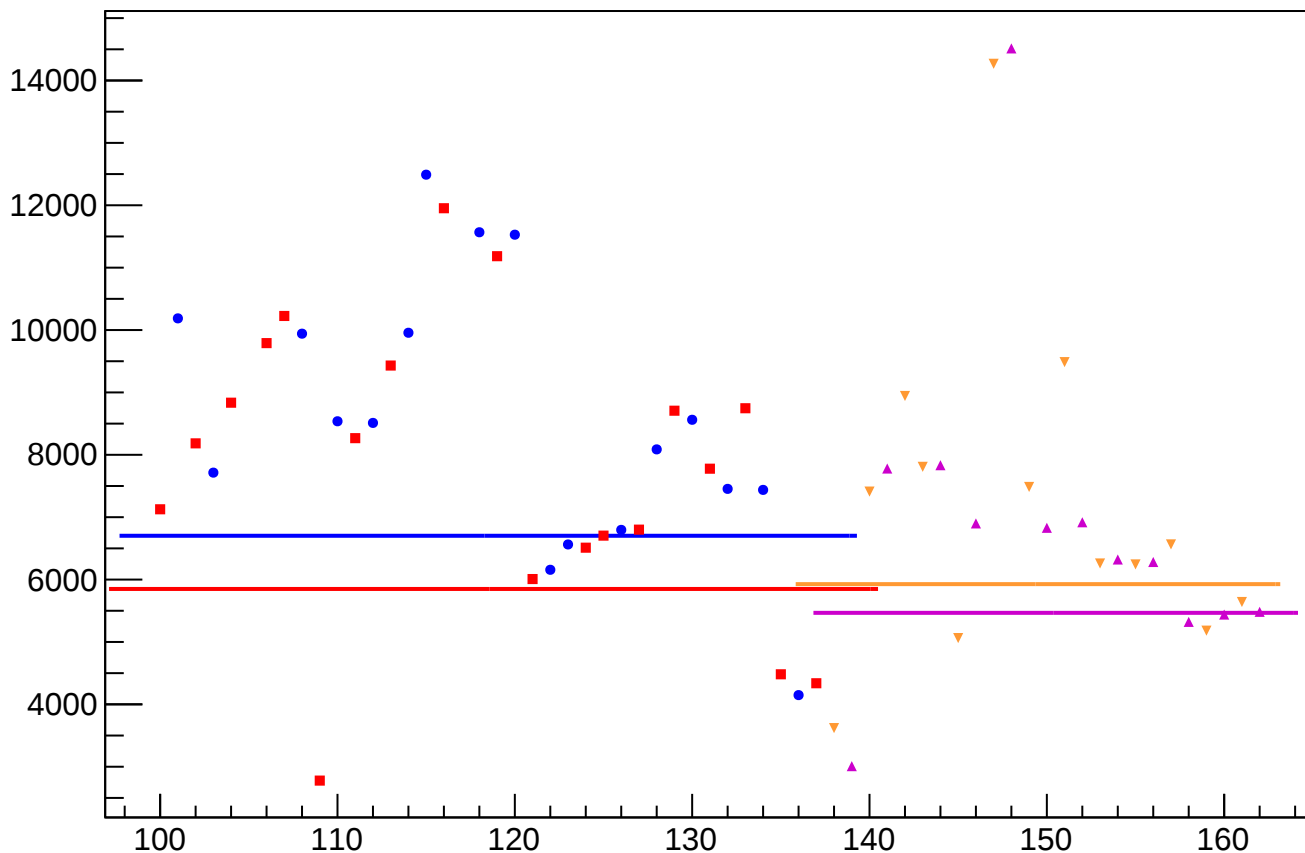
Left In: 1.592 ± 1.883 χ^2/NDF : 13.4/11

+ sign 2.430 ± 1.633 χ^2/NDF : 24.6/29

All: 1.977 ± 1.101 χ^2/NDF : 62.1/60

- sign 1.600 ± 1.491 χ^2/NDF : 37.4/30

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5926.905+/-1.434 χ^2/NDF : 1626597.0/12

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

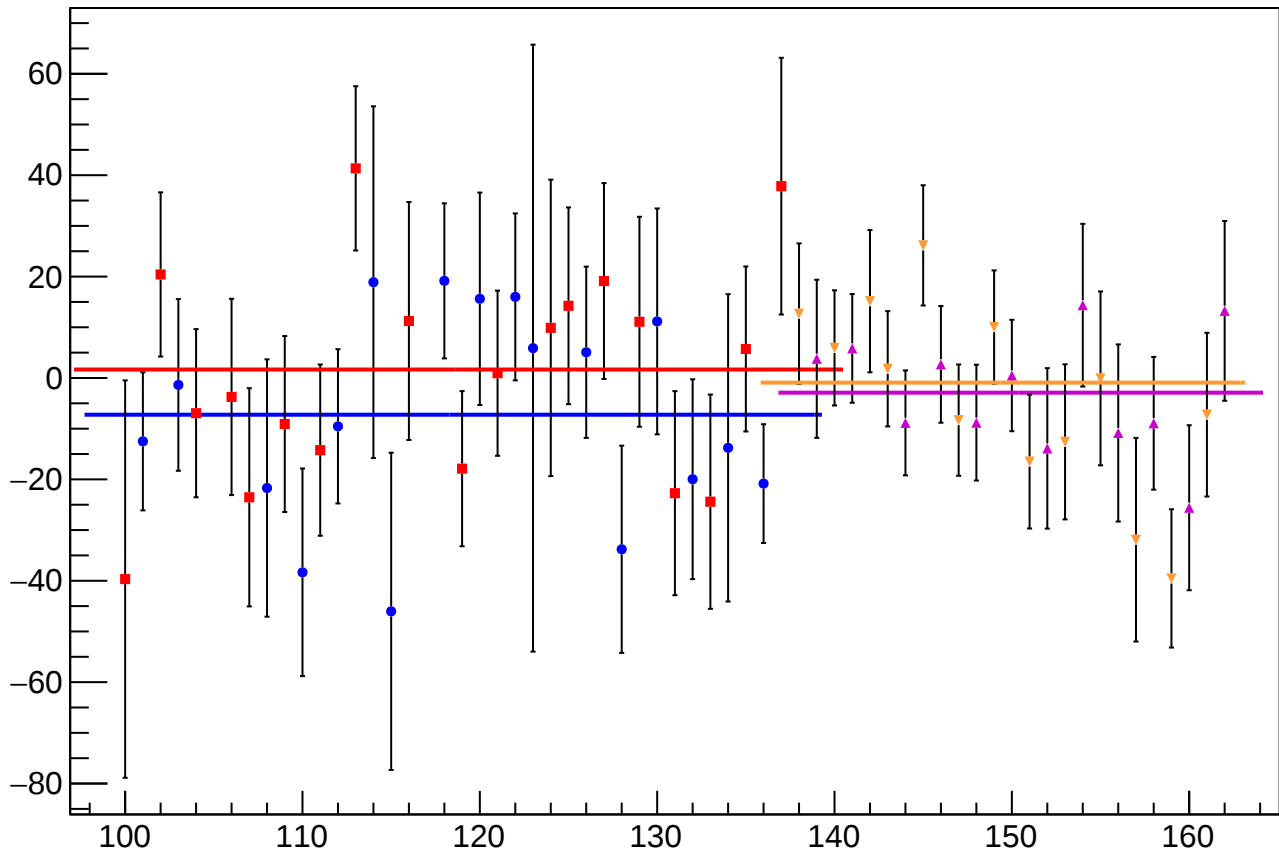
Left In: 5466.805+/-1.332 χ^2/NDF : 2112967.1/11

+ sign 6199.066+/-1.155 χ^2/NDF : 3119222.0/29

All: 5877.593+/-0.779 χ^2/NDF : 7683542.7/60

- sign 5609.553+/-1.055 χ^2/NDF : 4422242.9/30

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: -0.914 ± 3.669 χ^2/NDF : 21.9/12

Right Out: 1.671 ± 4.373 χ^2/NDF : 19.9/18

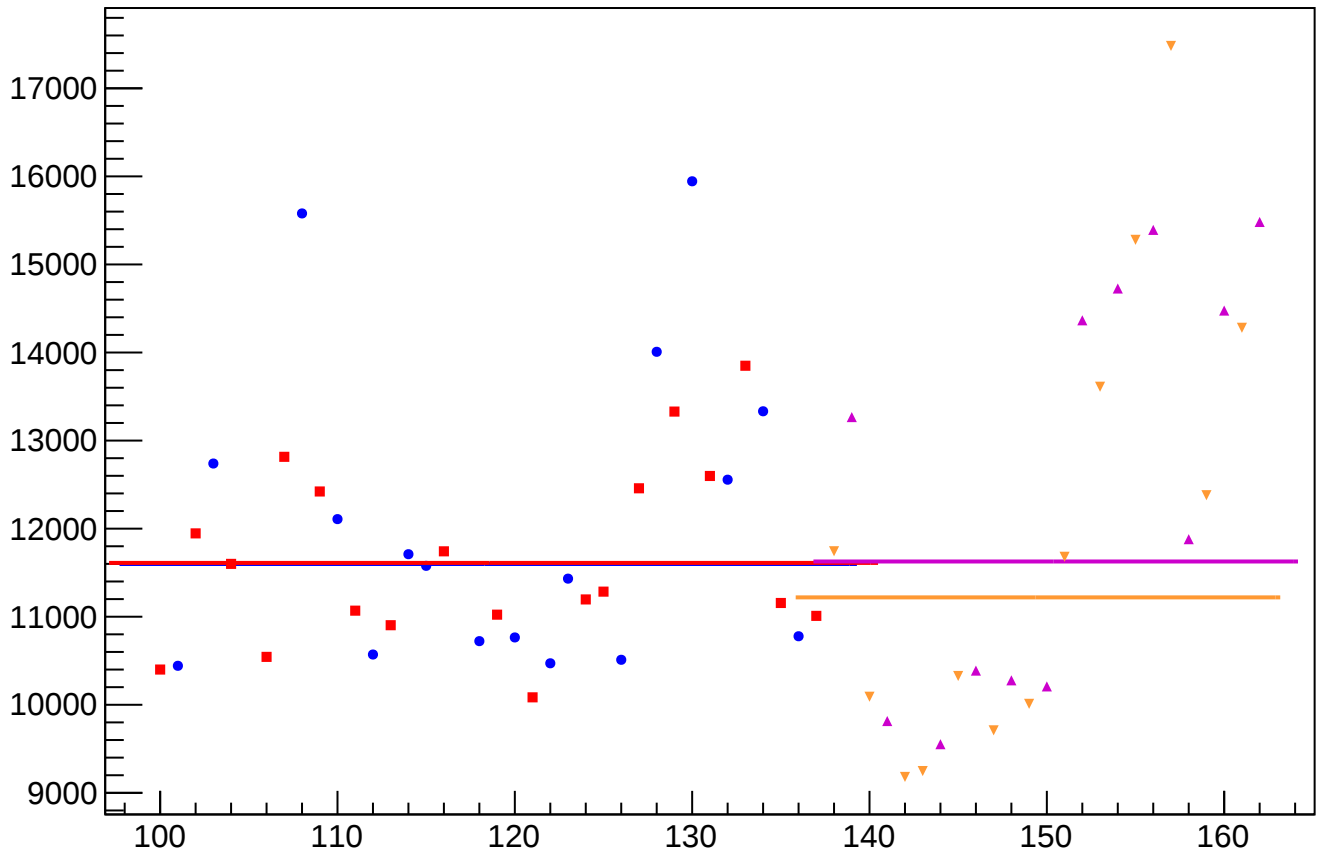
Left In: -2.896 ± 3.791 χ^2/NDF : 6.6/11

+ sign -3.411 ± 2.855 χ^2/NDF : 39.0/29

All: -2.177 ± 2.022 χ^2/NDF : 66.4/60

- sign -0.936 ± 2.865 χ^2/NDF : 27.1/30

diff_bpm11X_rms vs Slug



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 11219.536+/-2.594 χ^2/NDF : 641740.7/12

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

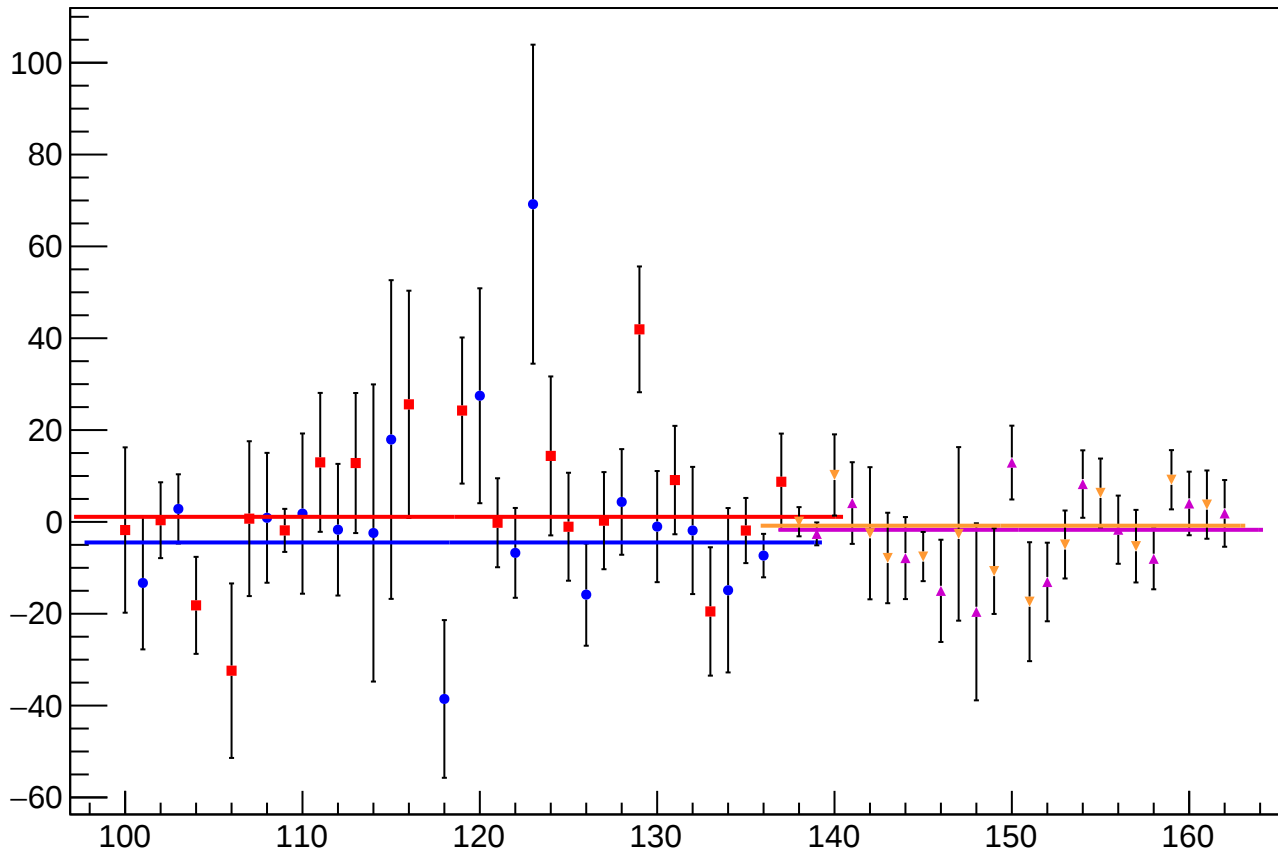
Left In: 11627.117+/-2.681 χ^2/NDF : 627976.2/11

+ sign 11369.078+/-2.019 χ^2/NDF : 885589.9/29

All: 11494.223+/-1.430 χ^2/NDF : 1615737.3/6

- sign 11620.176+/-2.026 χ^2/NDF : 722438.8/30

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.825 ± 1.902 χ^2/NDF : 10.8/12

Right Out: 1.105 ± 2.429 χ^2/NDF : 24.0/18

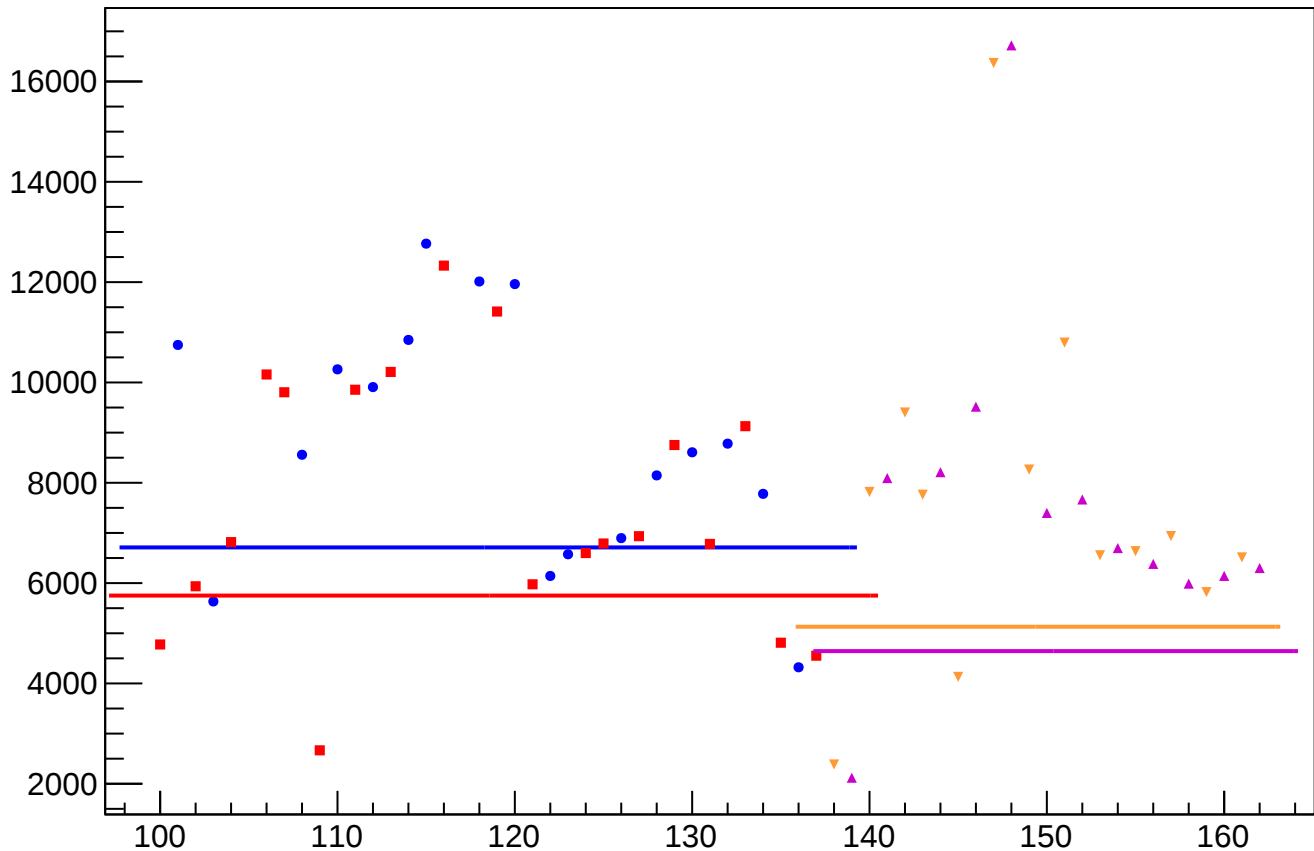
Left In: -1.723 ± 1.753 χ^2/NDF : 12.1/11

+ sign -1.988 ± 1.570 χ^2/NDF : 26.8/29

All: -1.310 ± 1.054 χ^2/NDF : 64.2/60

- sign -0.754 ± 1.422 χ^2/NDF : 37.0/30

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5130.469+/-1.345 χ^2/NDF : 3733837.0/12

Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

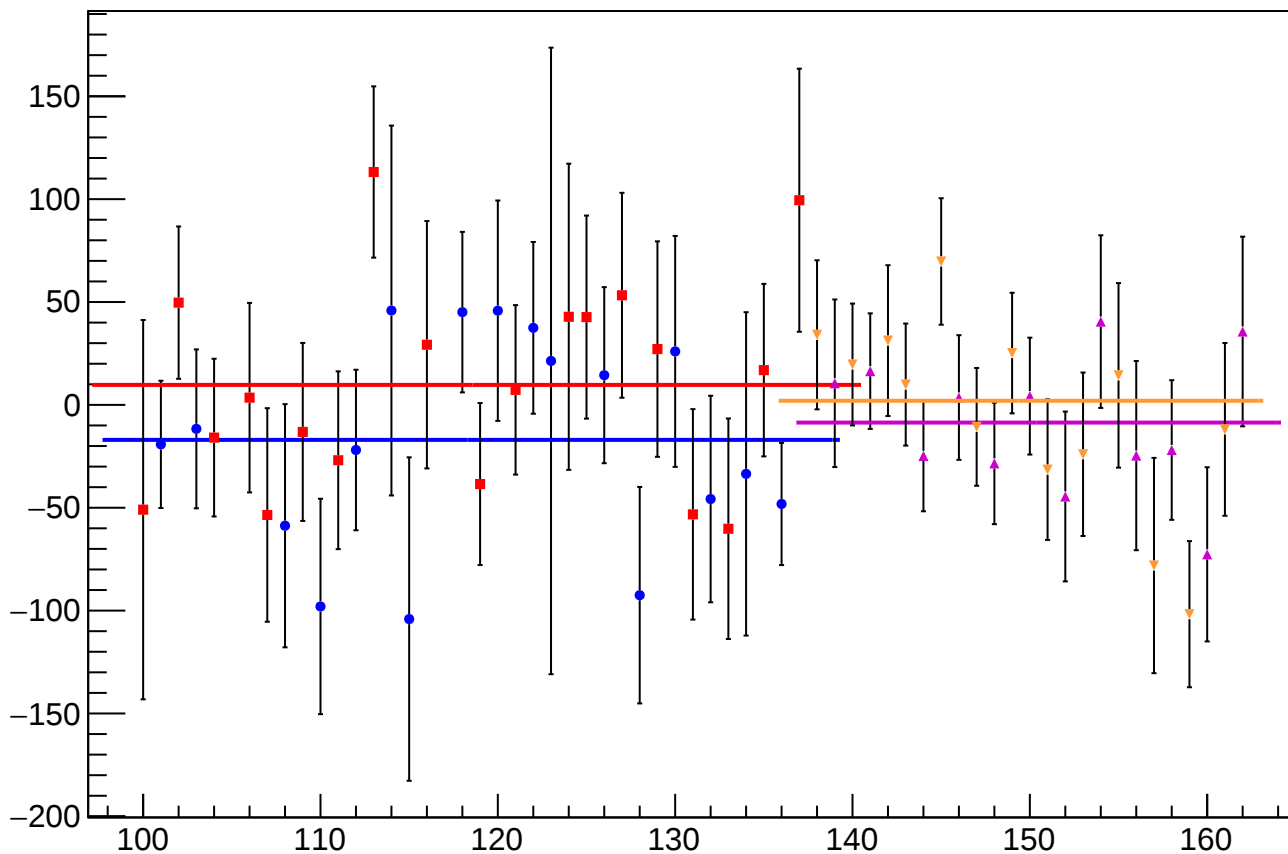
Left In: 4644.727+/-1.240 χ^2/NDF : 4871285.0/11

+ sign 5634.249+/-1.110 χ^2/NDF : 5621062.5/29

All: 5298.761+/-0.745 χ^2/NDF : 13096615.6/6

- sign 5023.798+/-1.005 χ^2/NDF : 7309421.4/30

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 1.999 ± 9.562 χ^2/NDF : 20.0/12

Right Out: 9.719 ± 10.891 χ^2/NDF : 19.1/18

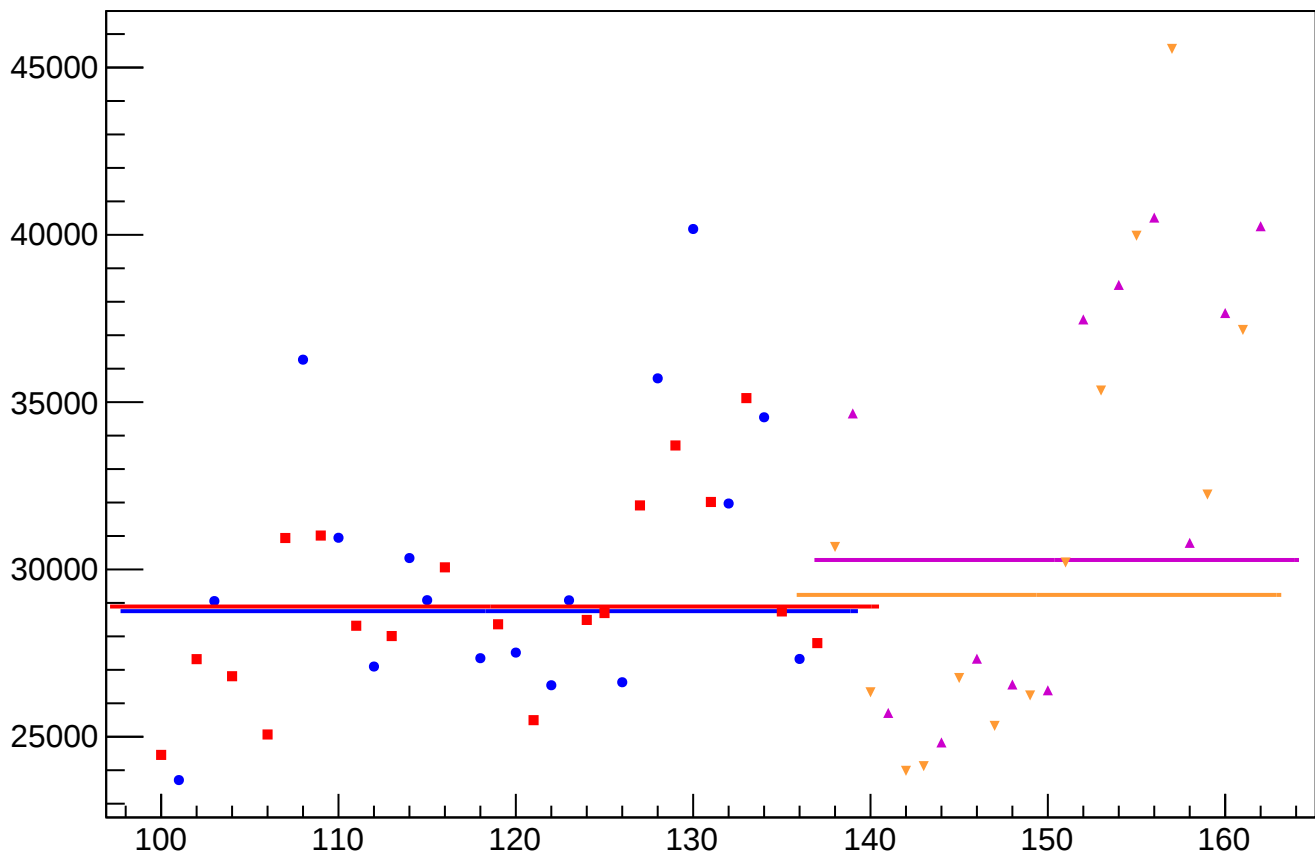
Left In: -8.601 ± 9.877 χ^2/NDF : 7.8/11

+ sign -5.943 ± 7.296 χ^2/NDF : 36.6/29

All: -3.146 ± 5.166 χ^2/NDF : 65.3/60

- sign -0.333 ± 7.316 χ^2/NDF : 28.4/30

diff_bpm12X_rms vs Slug



Right In: 28753.787 ± 7.981 χ^2/NDF : 249215.1/16

Left Out: 29239.397 ± 6.762 χ^2/NDF : 637838.0/12

Right Out: 28892.154 ± 7.701 χ^2/NDF : 111241.2/18

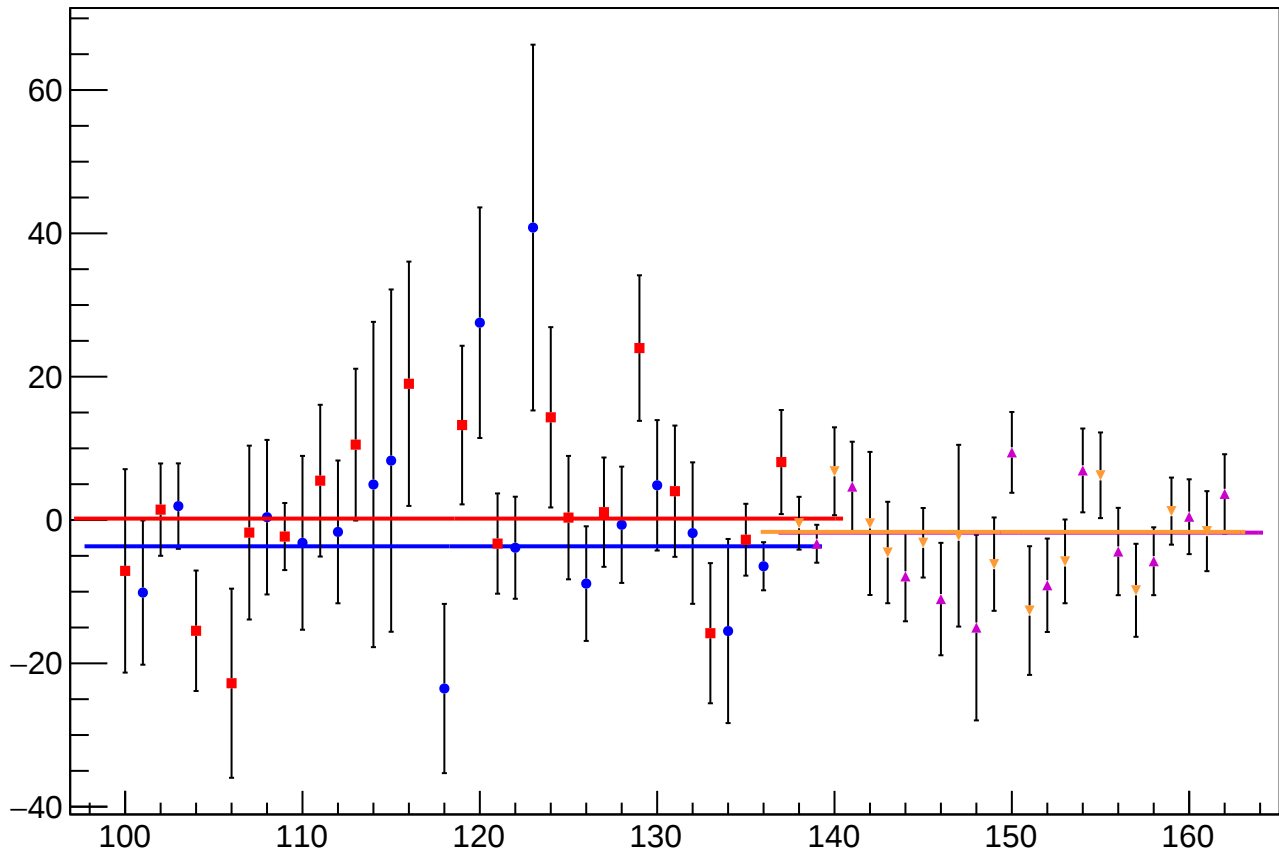
Left In: 30283.120 ± 6.984 χ^2/NDF : 637809.6/11

+ sign 29036.491 ± 5.159 χ^2/NDF : 889208.4/29

All: 29345.091 ± 3.653 χ^2/NDF : 1663336.9/6

- sign 29655.396 ± 5.173 χ^2/NDF : 766952.6/30

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.654 ± 1.636 χ^2/NDF : 8.5/12

Right Out: 0.199 ± 1.893 χ^2/NDF : 22.3/18

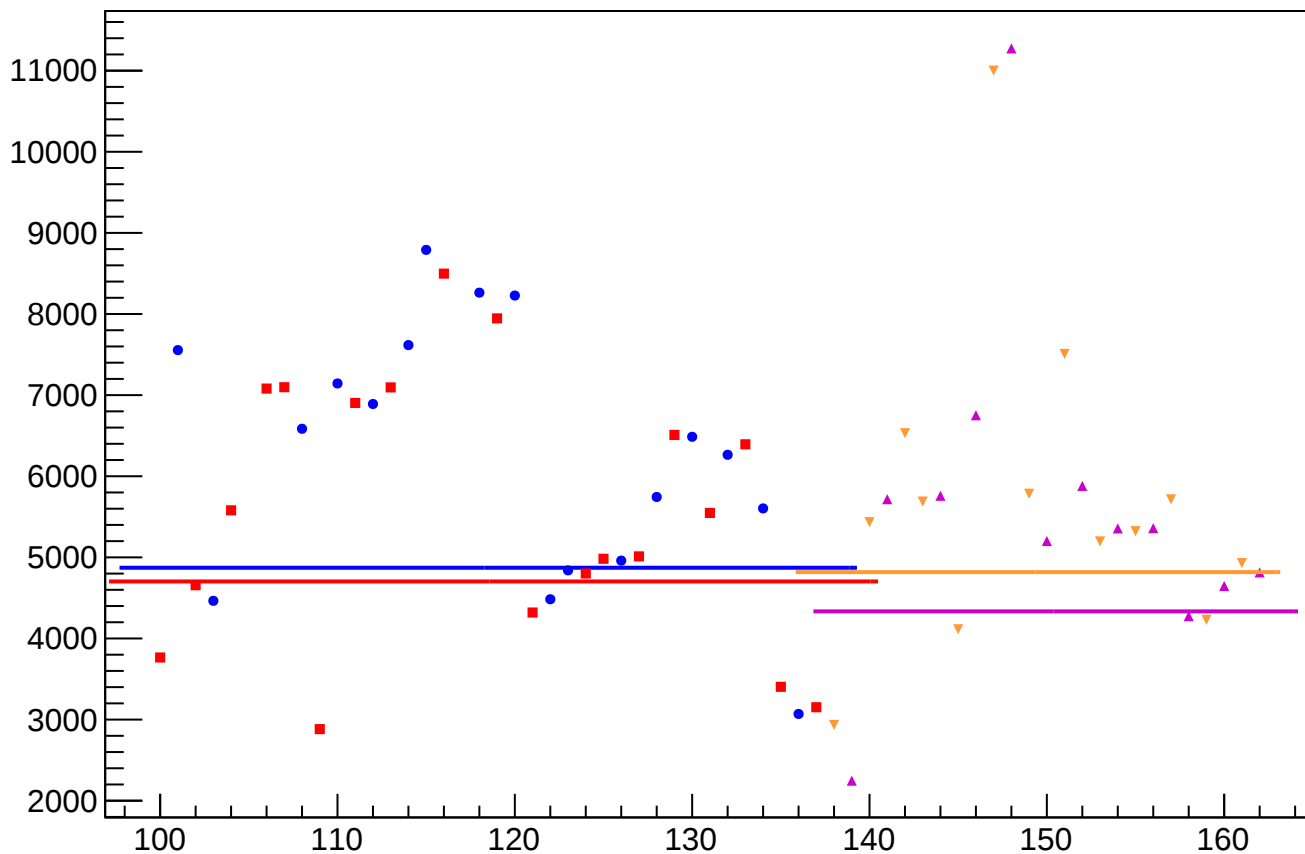
Left In: -1.760 ± 1.506 χ^2/NDF : 14.2/11

+ sign -2.457 ± 1.269 χ^2/NDF : 23.6/29

All: -1.675 ± 0.863 χ^2/NDF : 61.5/60

- sign -1.001 ± 1.178 χ^2/NDF : 37.2/30

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4818.078+/-1.157 χ^2/NDF : 1466638.1/12

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

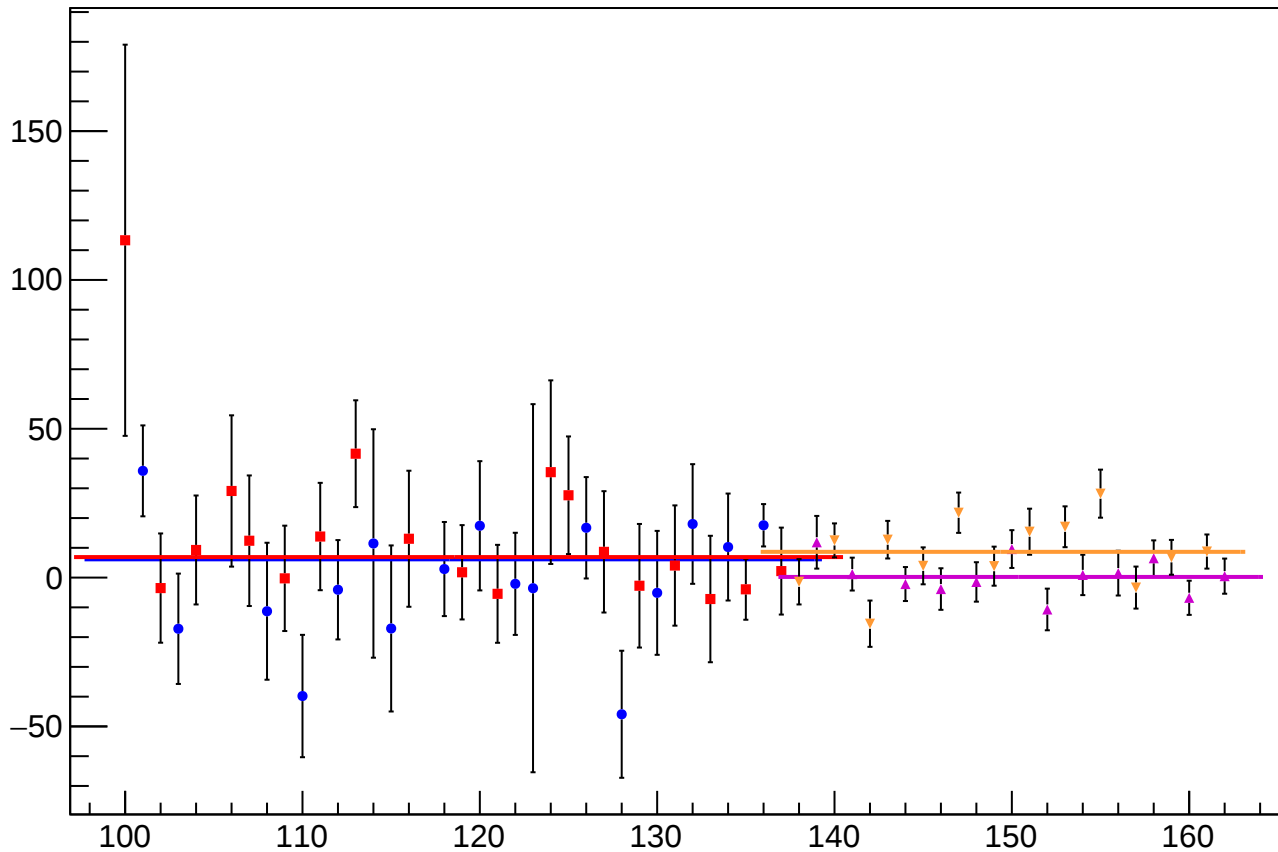
Left In: 4334.208+/-1.065 χ^2/NDF : 2509334.6/11

+ sign 4839.608+/-0.897 χ^2/NDF : 2872760.6/29

All: 4645.000+/-0.610 χ^2/NDF : 6828968.2/60

- sign 4477.139+/-0.833 χ^2/NDF : 3868558.5/30

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 8.654 ± 1.846 χ^2/NDF : 28.3/12

Right Out: 6.892 ± 4.224 χ^2/NDF : 12.5/18

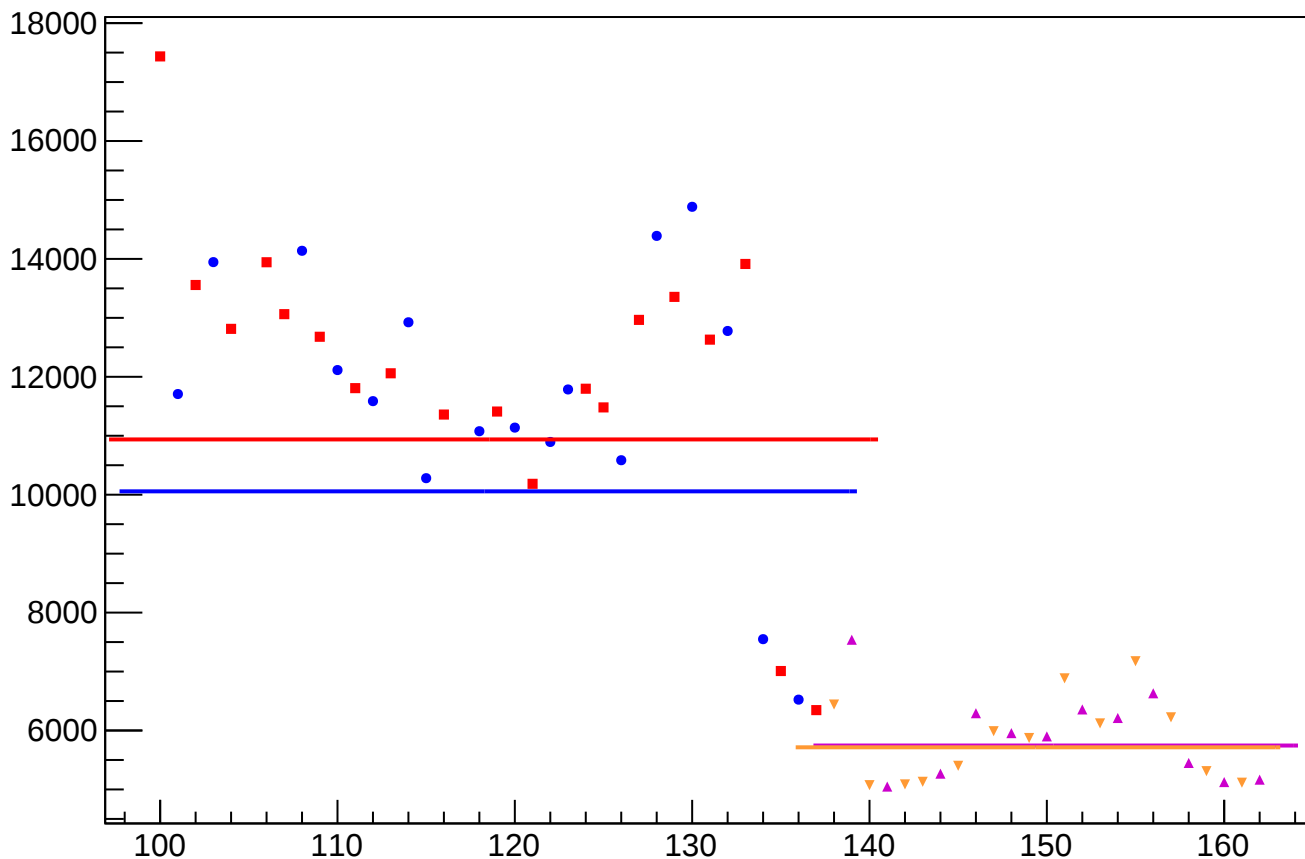
Left In: 0.222 ± 1.854 χ^2/NDF : 9.6/11

+ sign 8.226 ± 1.682 χ^2/NDF : 50.8/29

All: 4.795 ± 1.195 χ^2/NDF : 83.3/60

- sign 1.299 ± 1.698 χ^2/NDF : 24.1/30

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5714.698 $\pm$ 1.305 χ^2 /NDF:243262.5/12

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

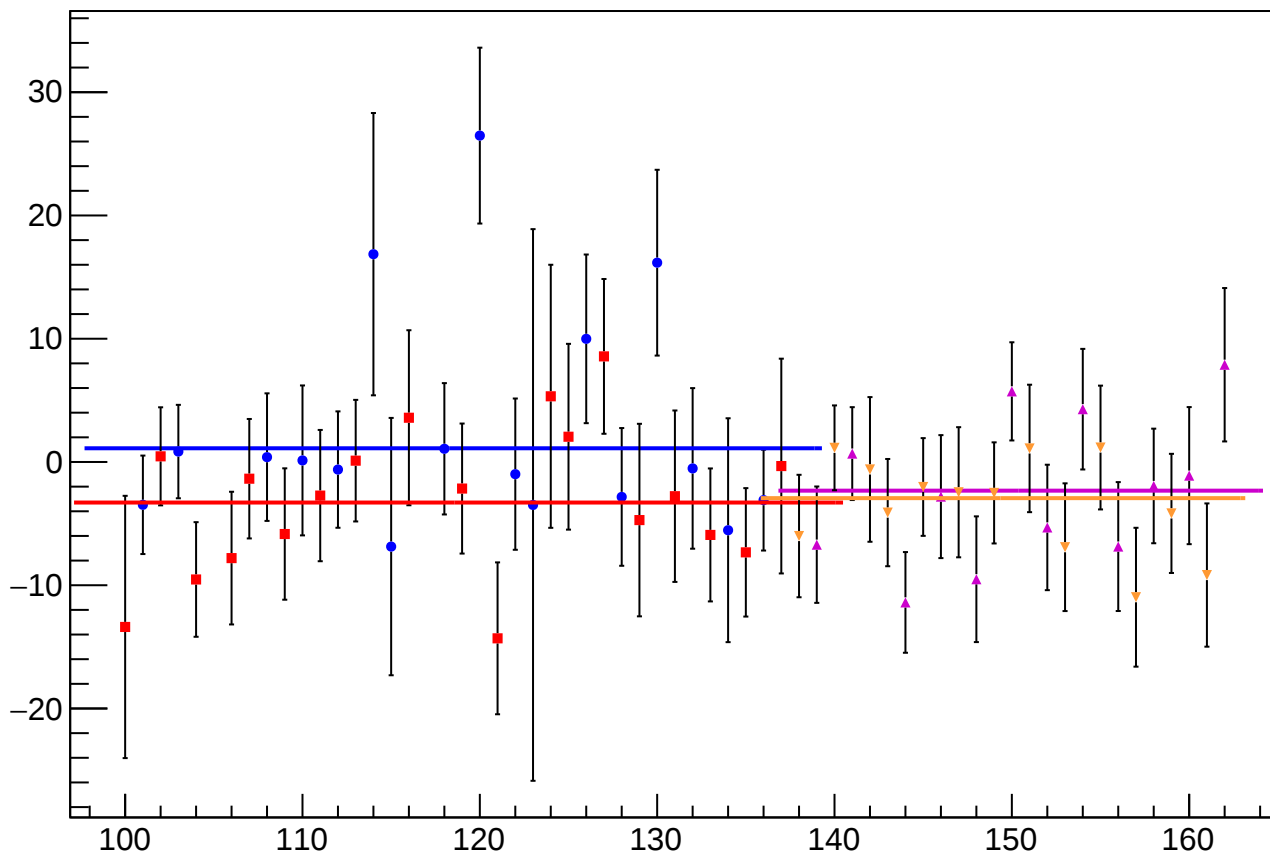
Left In: 5744.995 $\pm$ 1.311 χ^2 /NDF:243466.8/11

+ sign 6452.330 $\pm$ 1.189 χ^2 /NDF: 3126538.7/29

All: 6517.315 $\pm$ 0.845 χ^2 /NDF: 6672756.4/60

- sign 6583.538 $\pm$ 1.200 χ^2 /NDF: 3540187.7/30

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.934 ± 1.309 χ^2/NDF : 7.2/12

Right Out: -3.290 ± 1.334 χ^2/NDF : 15.1/18

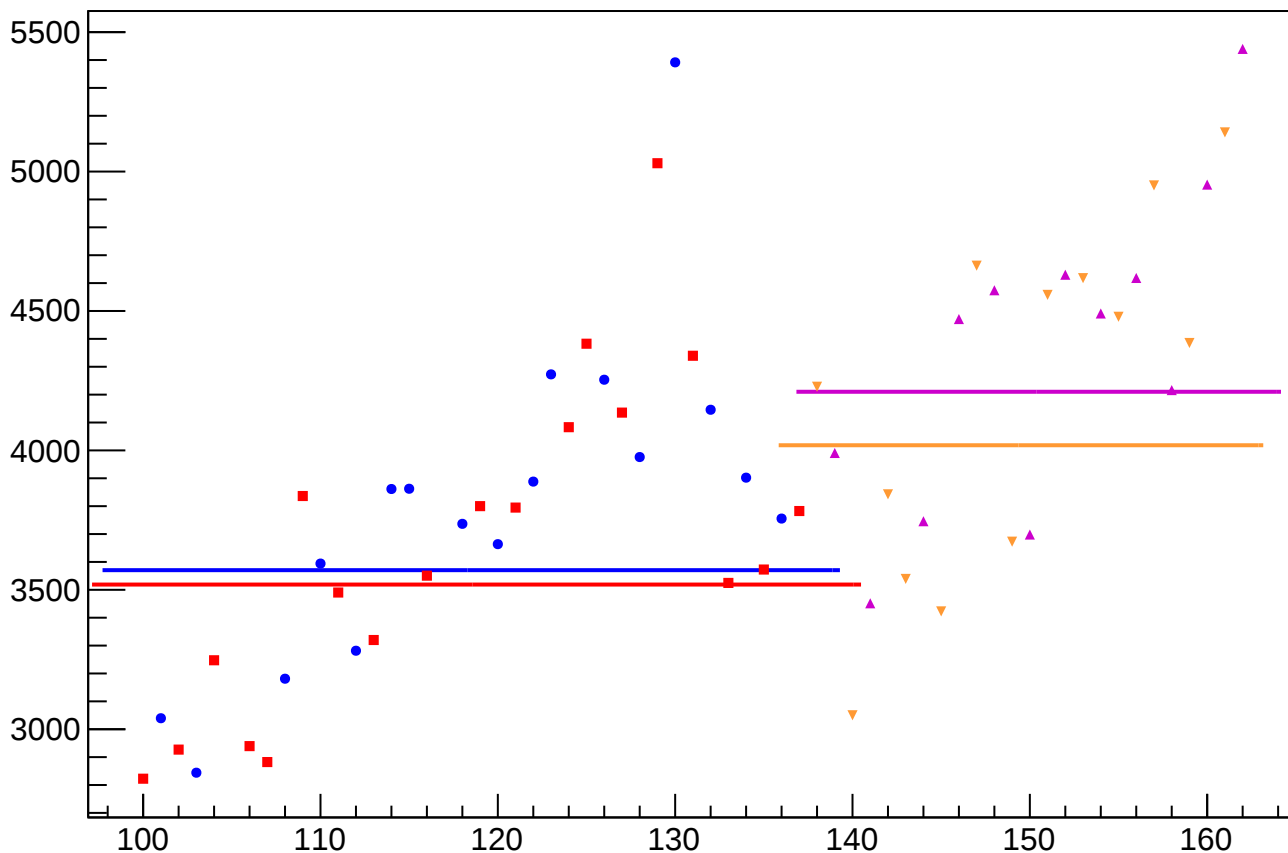
Left In: -2.326 ± 1.363 χ^2/NDF : 18.2/11

+ sign -1.051 ± 0.957 χ^2/NDF : 36.3/29

All: -1.939 ± 0.675 χ^2/NDF : 71.5/60

- sign -2.819 ± 0.953 χ^2/NDF : 33.5/30

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4018.472+/-0.925 χ^2/NDF : 483314.2/12

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

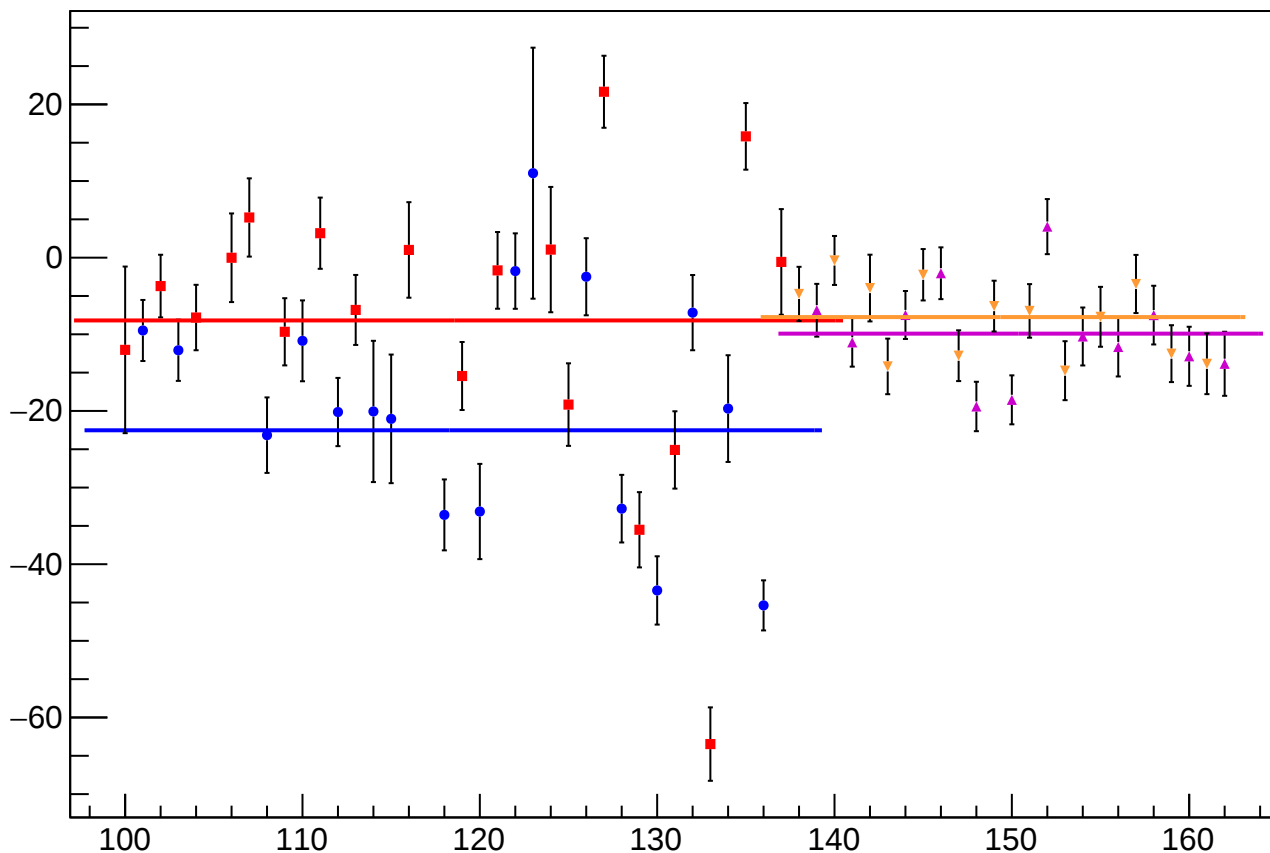
Left In: 4210.278+/-0.964 χ^2/NDF : 306144.2/11

+ sign 3810.035+/-0.677 χ^2/NDF : 902080.6/29

All: 3833.642+/-0.478 χ^2/NDF : 1766976.3/60

- sign 3857.066+/-0.674 χ^2/NDF : 862470.6/30

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -7.754 ± 1.001 χ^2/NDF : 23.9/12

Right Out: -8.192 ± 1.157 χ^2/NDF : 275.8/18

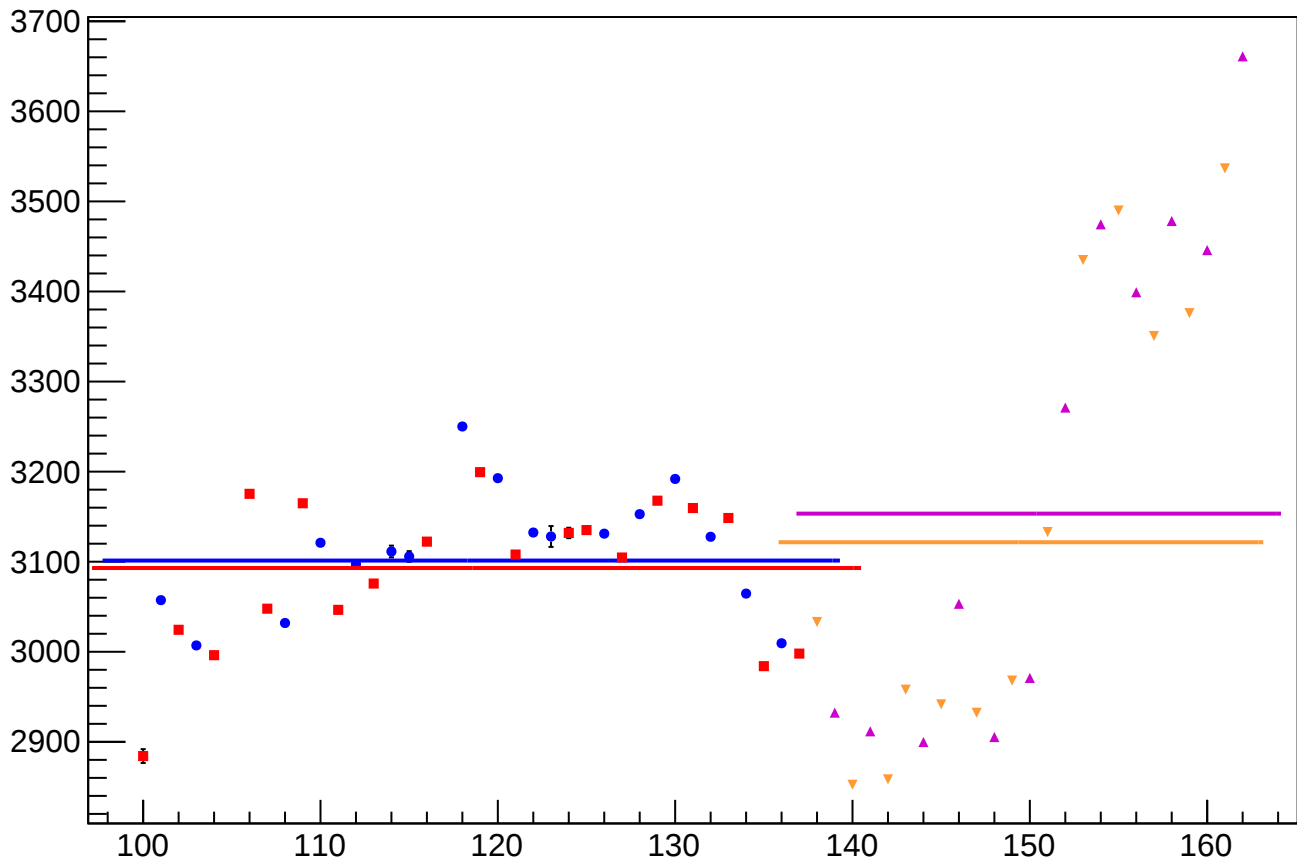
Left In: -9.914 ± 1.013 χ^2/NDF : 40.1/11

+ sign -13.810 ± 0.769 χ^2/NDF : 268.7/29

All: -11.468 ± 0.541 χ^2/NDF : 604.3/60

- sign -9.167 ± 0.762 χ^2/NDF : 317.2/30

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3121.614+/-0.708 χ^2/NDF : 113109.2/12

Right Out: 3092.993+/-0.818 χ^2/NDF : 7766.0/18

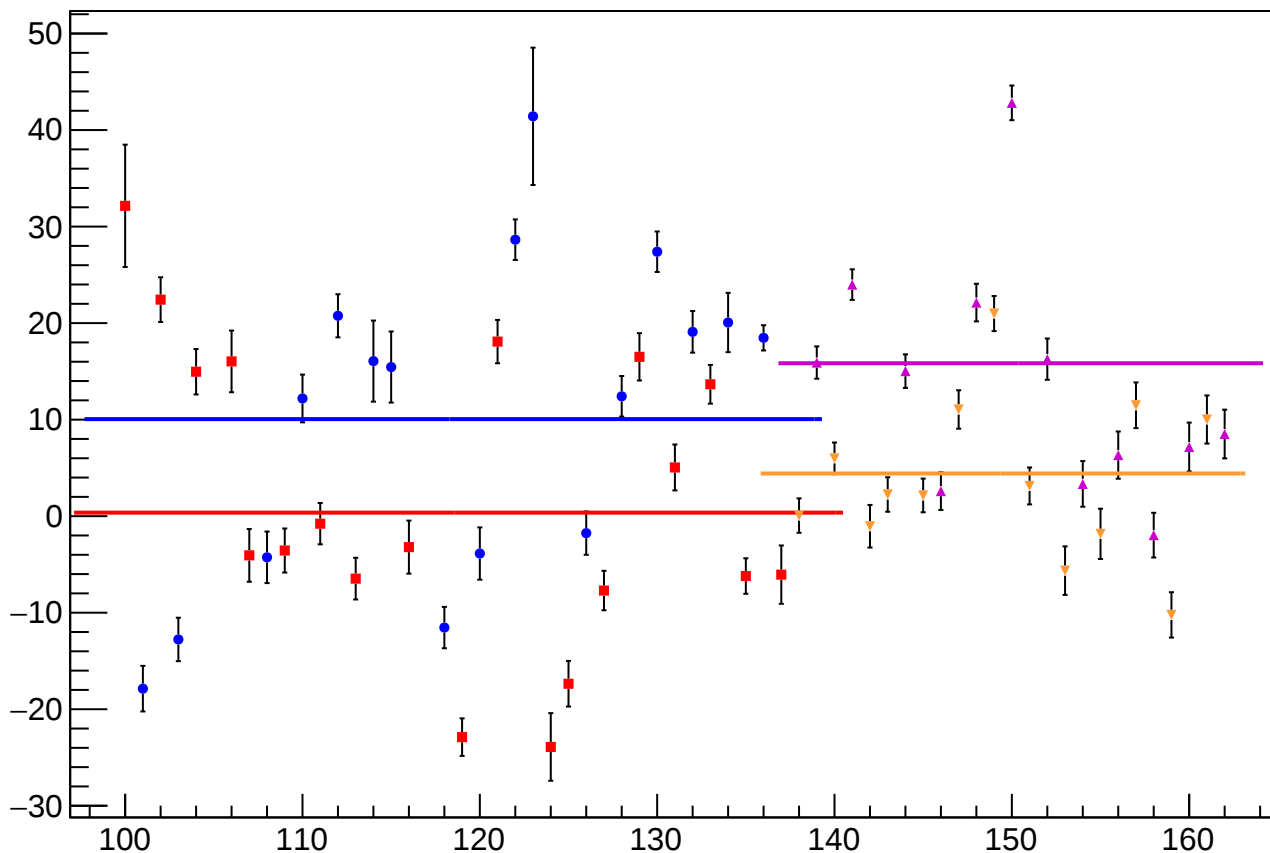
Left In: 3153.378+/-0.716 χ^2/NDF : 133258.5/11

+ sign 3113.273+/-0.544 χ^2/NDF : 120681.8/29

All: 3120.291+/-0.383 χ^2/NDF : 265122.1/60

- sign 3127.186+/-0.539 χ^2/NDF : 144109.8/30

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2/NDF : 692.2/16

Left Out: 4.421 $\pm$ 0.560 χ^2/NDF : 185.6/12

Right Out: 0.367 $\pm$ 0.547 χ^2/NDF : 629.8/18

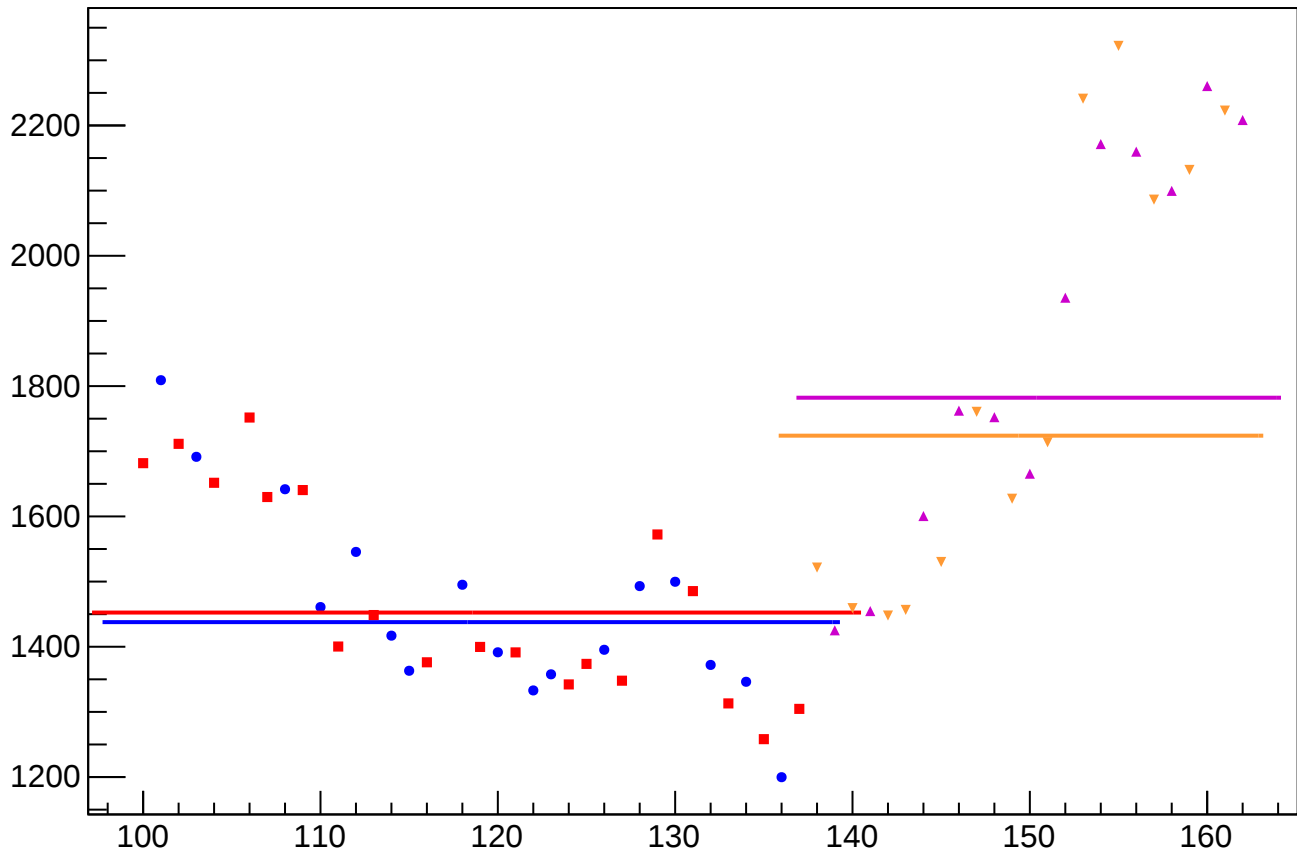
Left In: 15.845 $\pm$ 0.579 χ^2/NDF : 431.2/11

+ sign 7.230 $\pm$ 0.397 χ^2/NDF : 928.2/29

All: 7.449 $\pm$ 0.281 χ^2/NDF : 2367.6/60

- sign 7.670 $\pm$ 0.398 χ^2/NDF : 1438.7/30

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1723.936 $\pm$ 0.396 χ^2 /NDF: 562485.7/12

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

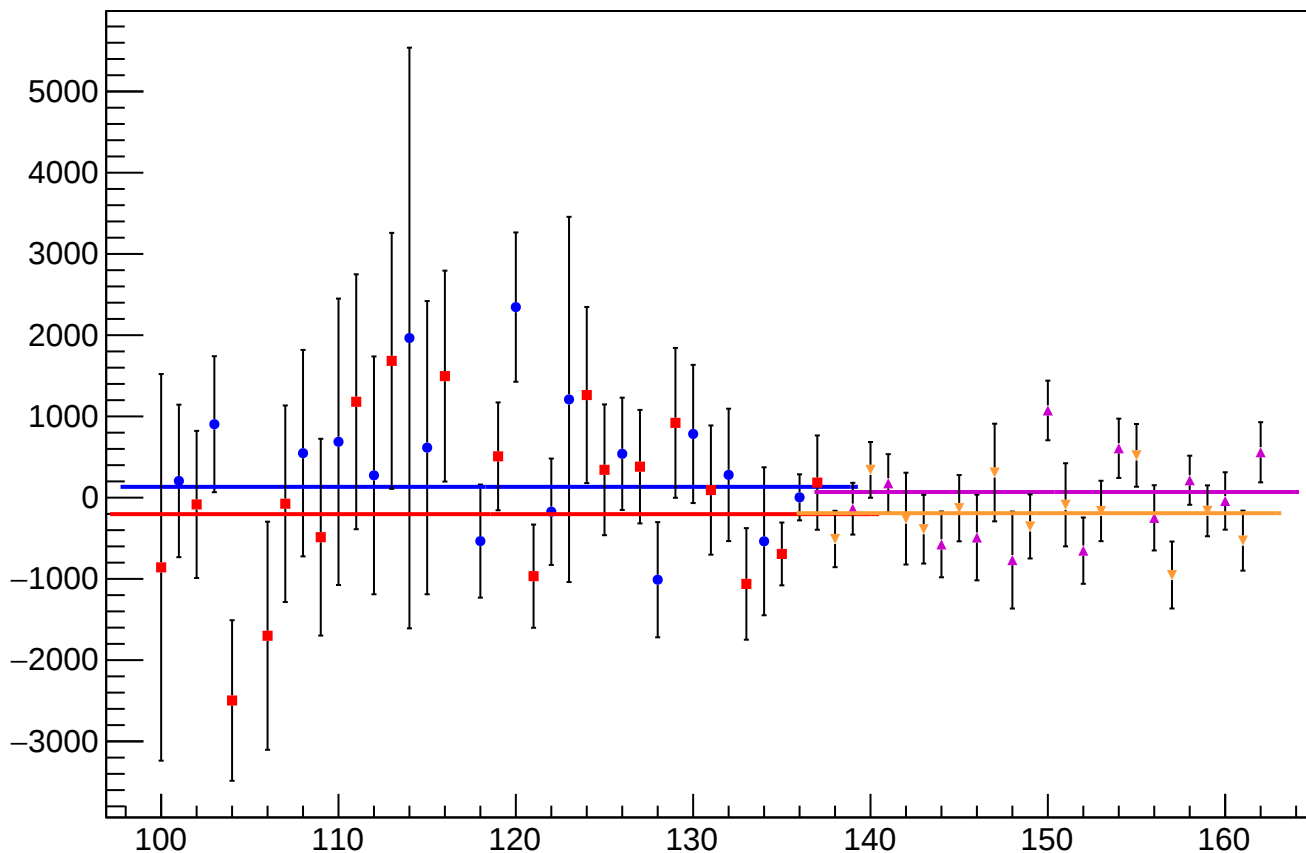
Left In: 1782.186 $\pm$ 0.409 χ^2 /NDF: 485379.8/11

+ sign 1581.248 $\pm$ 0.280 χ^2 /NDF: 996005.0/29

All: 1594.613 $\pm$ 0.199 χ^2 /NDF: 1967380.9/60

- sign 1608.042 $\pm$ 0.281 χ^2 /NDF: 966822.7/30

asym_sam1_mean vs Slug



Right In: 132.921 ± 180.271 χ^2/NDF : 12.9/16

Left Out: -191.350 ± 110.500 χ^2/NDF : 12.1/12

Right Out: -203.062 ± 184.353 χ^2/NDF : 21.4/18

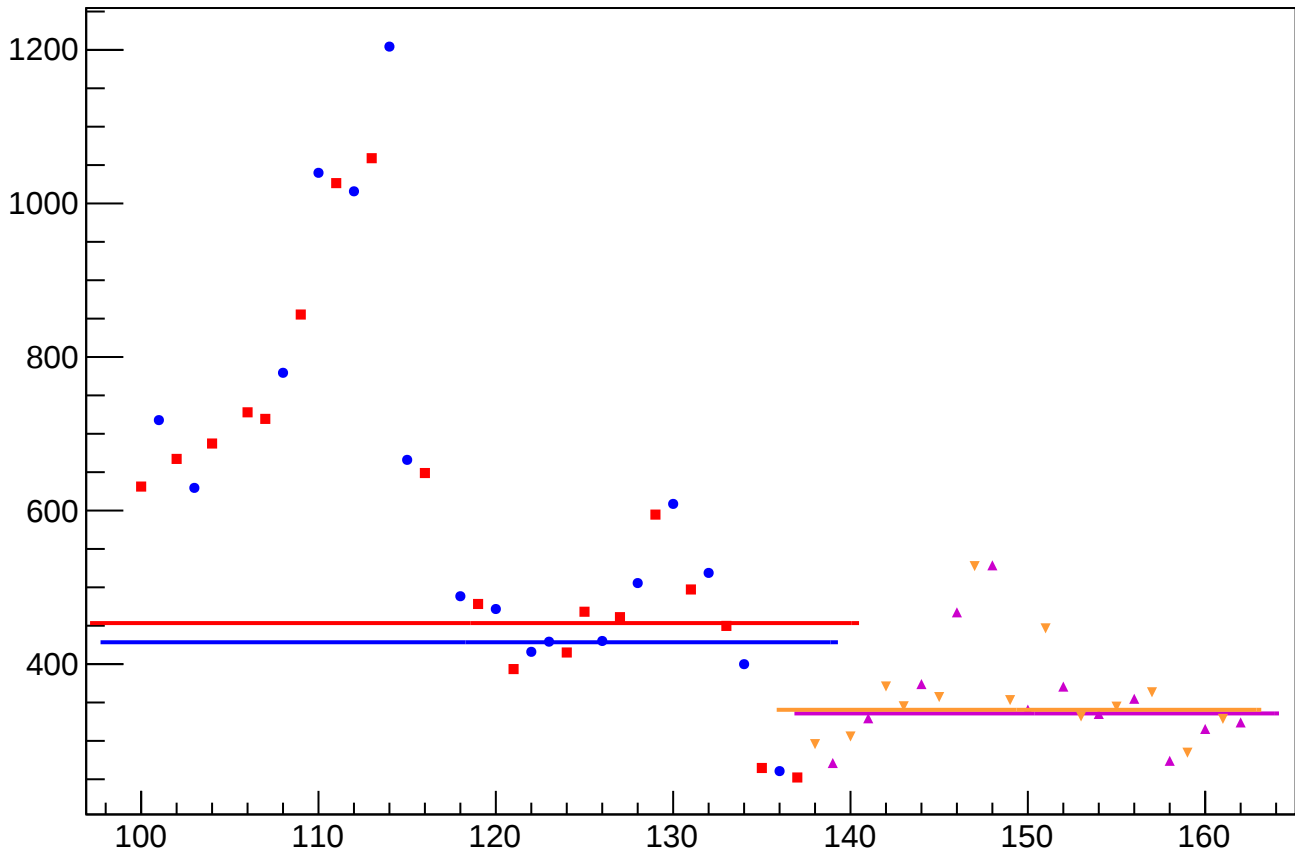
Left In: 69.325 ± 109.414 χ^2/NDF : 21.6/11

+ sign -102.788 ± 94.210 χ^2/NDF : 27.3/29

All: -52.144 ± 66.574 χ^2/NDF : 72.6/60

- sign -1.629 ± 94.090 χ^2/NDF : 44.7/30

asym_sam1_rms vs Slug



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 340.484 $\pm$ 0.078 χ^2 /NDF: 418075.5/12

Right Out: 453.435 $\pm$ 0.130 χ^2 /NDF: 2029813.8/18

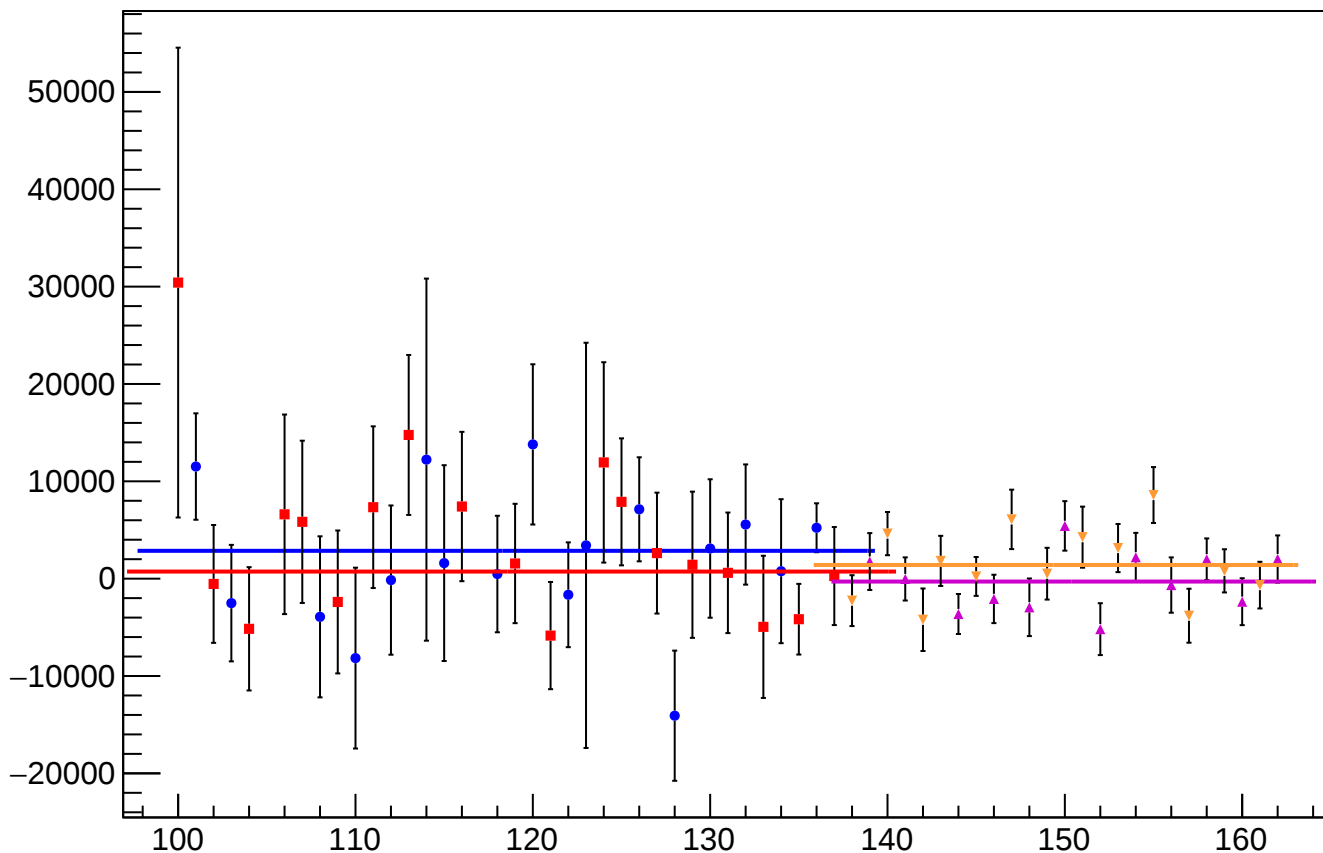
Left In: 335.756 $\pm$ 0.077 χ^2 /NDF: 545821.2/11

+ sign 364.512 $\pm$ 0.067 χ^2 /NDF: 2775766.3/29

All: 365.462 $\pm$ 0.047 χ^2 /NDF: 5954464.9/60

- sign 366.410 $\pm$ 0.067 χ^2 /NDF: 3178291.8/30

asym_sam2_mean vs Slug



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1406.295 $\pm$ 708.812 χ^2 /NDF:21.9/12

Right Out: 729.571 $\pm$ 1509.224 χ^2 /NDF: 14.0/18

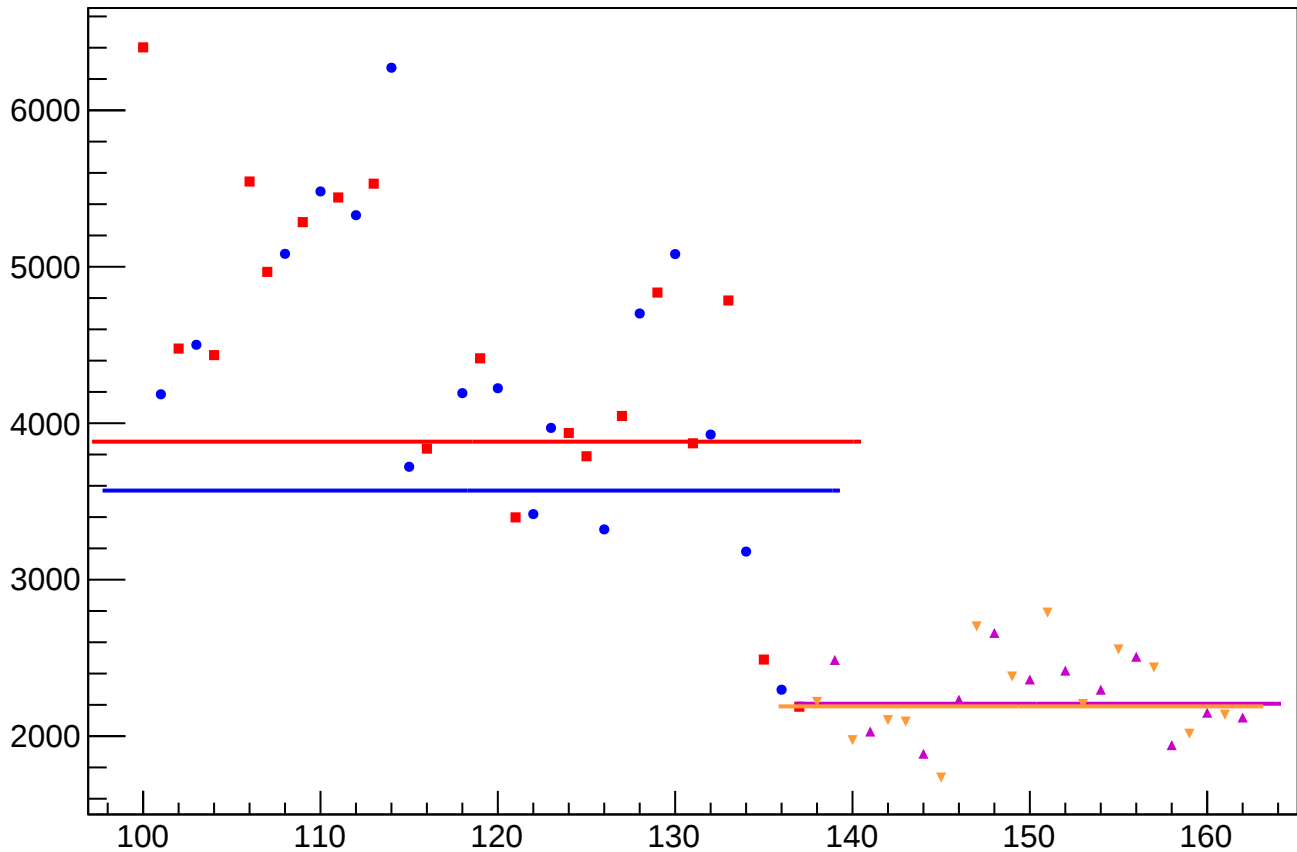
Left In: -297.014 $\pm$ 711.860 χ^2 /NDF:16.7/11

+ sign 1687.262 $\pm$ 636.620 χ^2 /NDF: 39.4/29

All: 798.665 $\pm$ 452.687 χ^2 /NDF: 74.4/60

- sign -110.189 $\pm$ 643.835 χ^2 /NDF: 31.0/30

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2190.327+/-0.501 χ^2/NDF : 328463.5/12

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

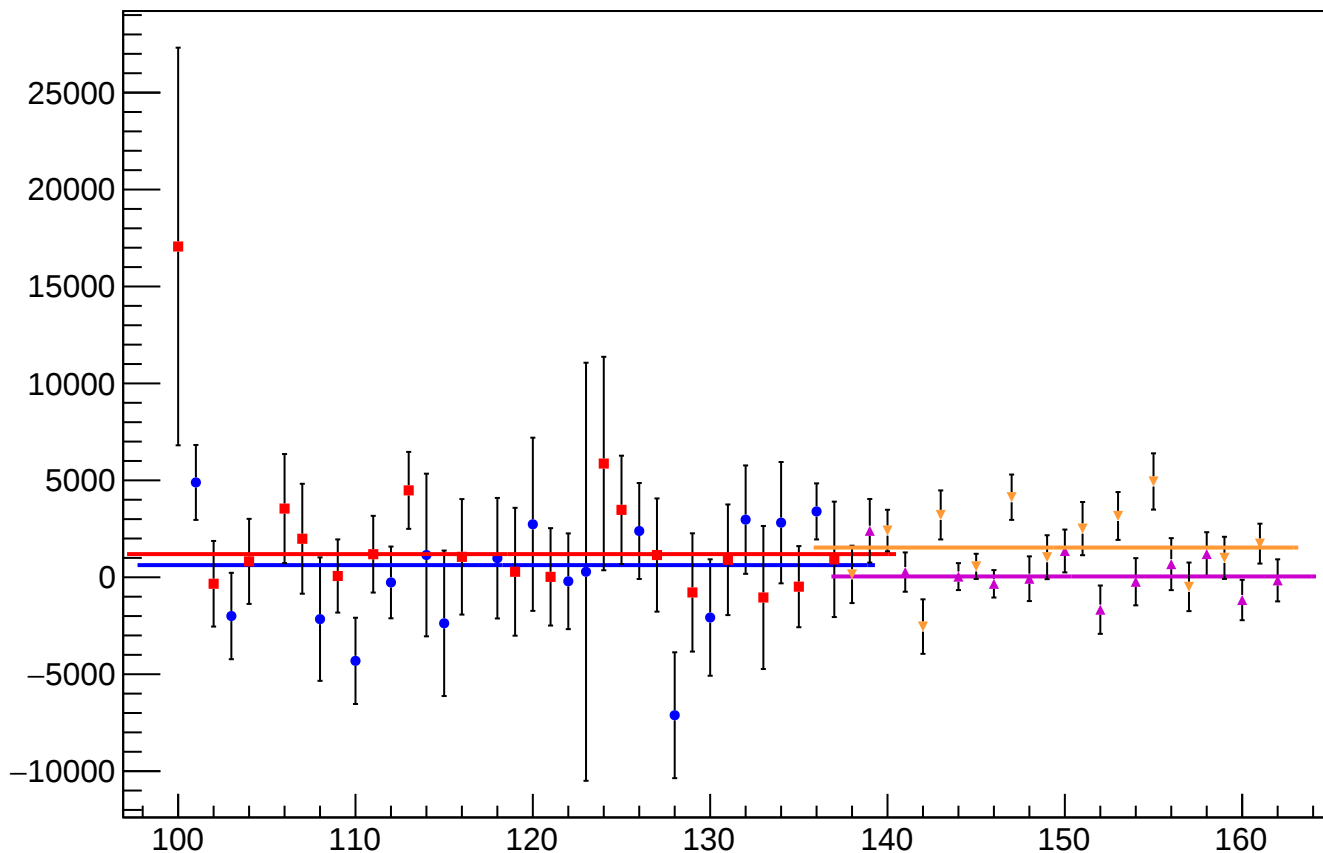
Left In: 2207.159+/-0.503 χ^2/NDF : 205916.4/11

+ sign 2456.984+/-0.450 χ^2/NDF : 2880531.3/29

All: 2484.177+/-0.320 χ^2/NDF : 6092112.1/60

- sign 2511.990+/-0.455 χ^2/NDF : 3204199.5/30

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1533.191 ± 309.672 χ^2/NDF : 29.7/12

Right Out: 1195.385 ± 603.058 χ^2/NDF : 9.9/18

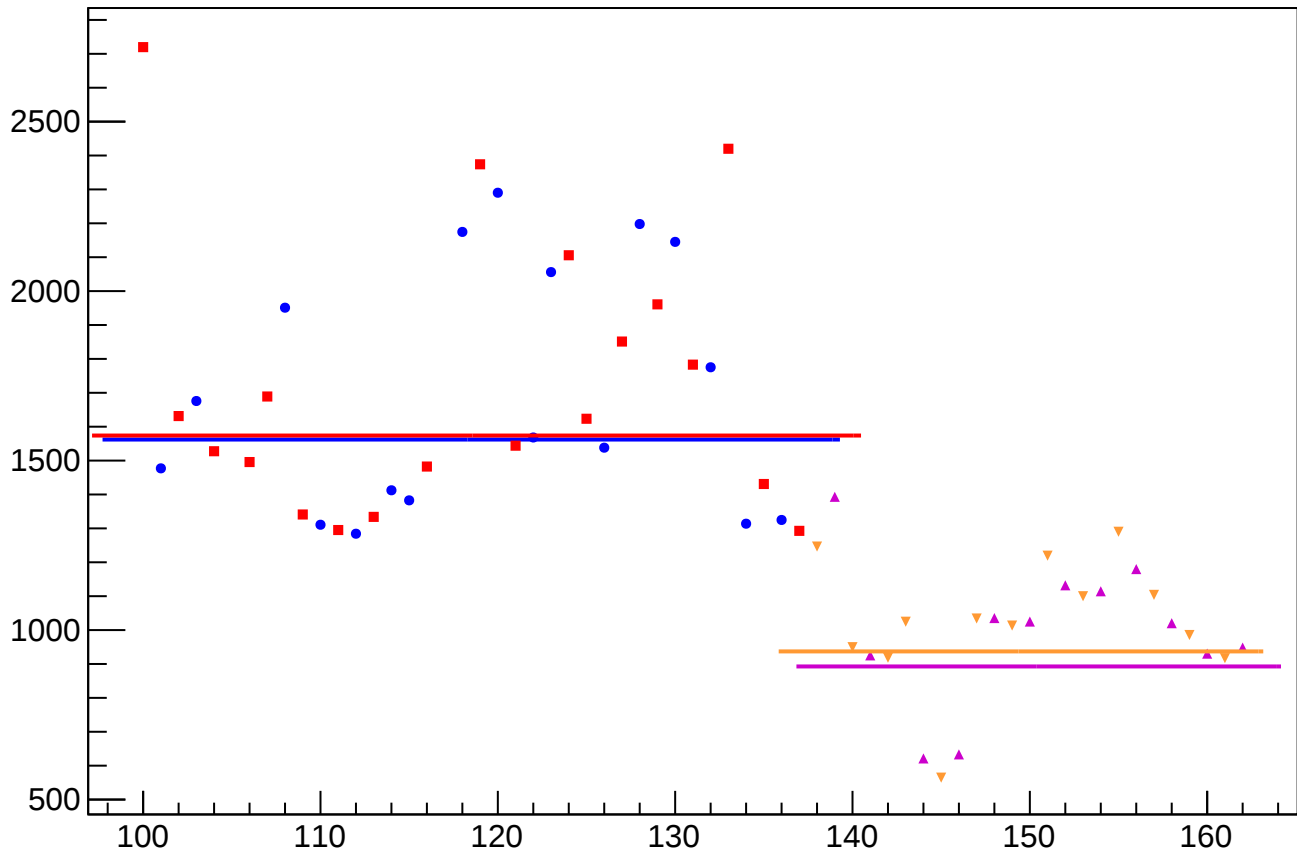
Left In: 43.181 ± 295.920 χ^2/NDF : 8.4/11

+ sign 1352.823 ± 277.120 χ^2/NDF : 56.5/29

All: 786.880 ± 191.773 χ^2/NDF : 85.8/60

- sign 266.777 ± 265.660 χ^2/NDF : 21.3/30

asym_sam3_rms vs Slug



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 937.060 $\pm$ 0.219 χ^2 /NDF: 1054778.1/12

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

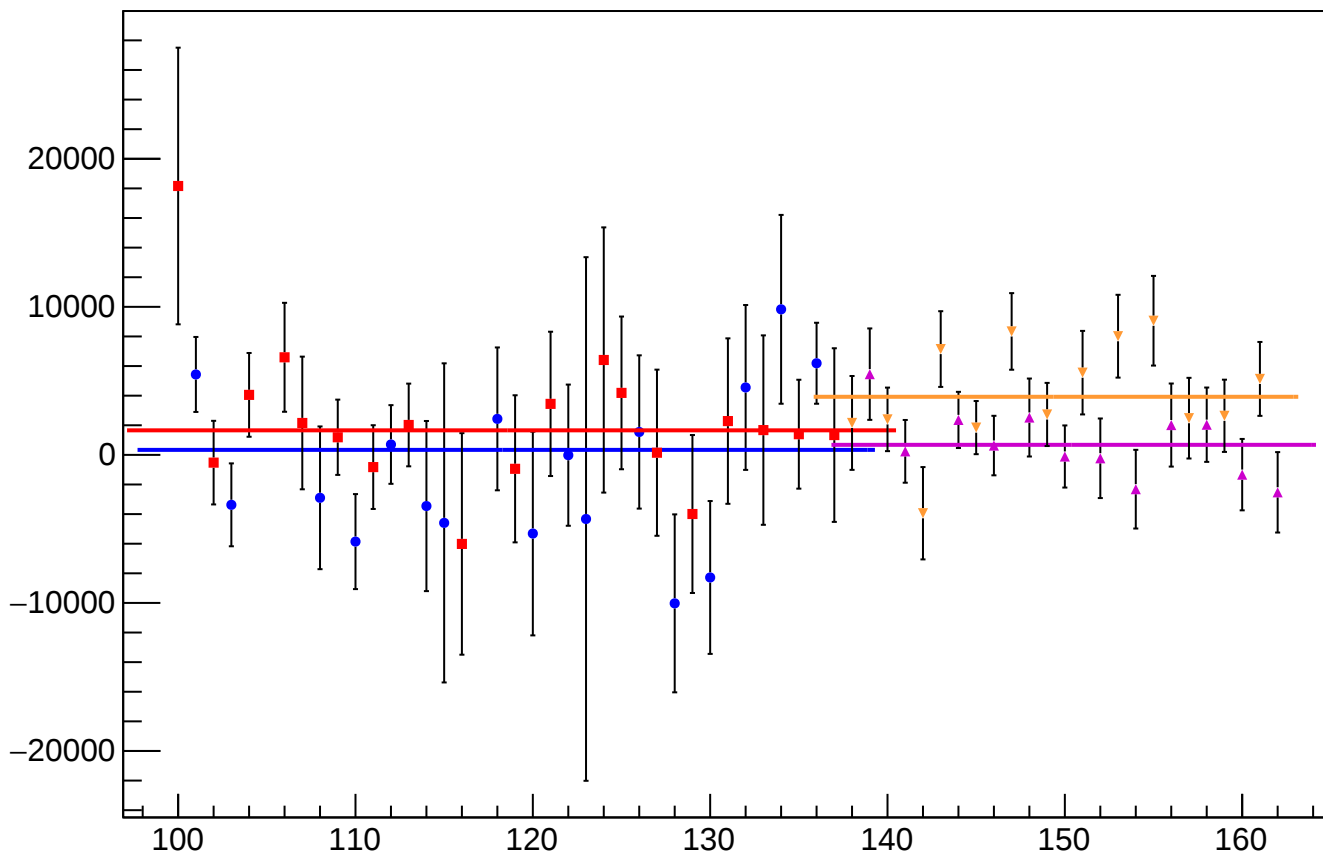
Left In: 892.696 $\pm$ 0.209 χ^2 /NDF: 1087060.8/11

+ sign 1061.558 $\pm$ 0.196 χ^2 /NDF: 3159783.4/29

All: 1042.451 $\pm$ 0.136 χ^2 /NDF: 6785813.5/60

- sign 1024.891 $\pm$ 0.188 χ^2 /NDF: 3607784.5/30

asym_sam4_mean vs Slug



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 3924.218 $\pm$ 693.774 χ^2 /NDF:19.5/12

Right Out: 1658.069 $\pm$ 924.453 χ^2 /NDF: 10.3/18

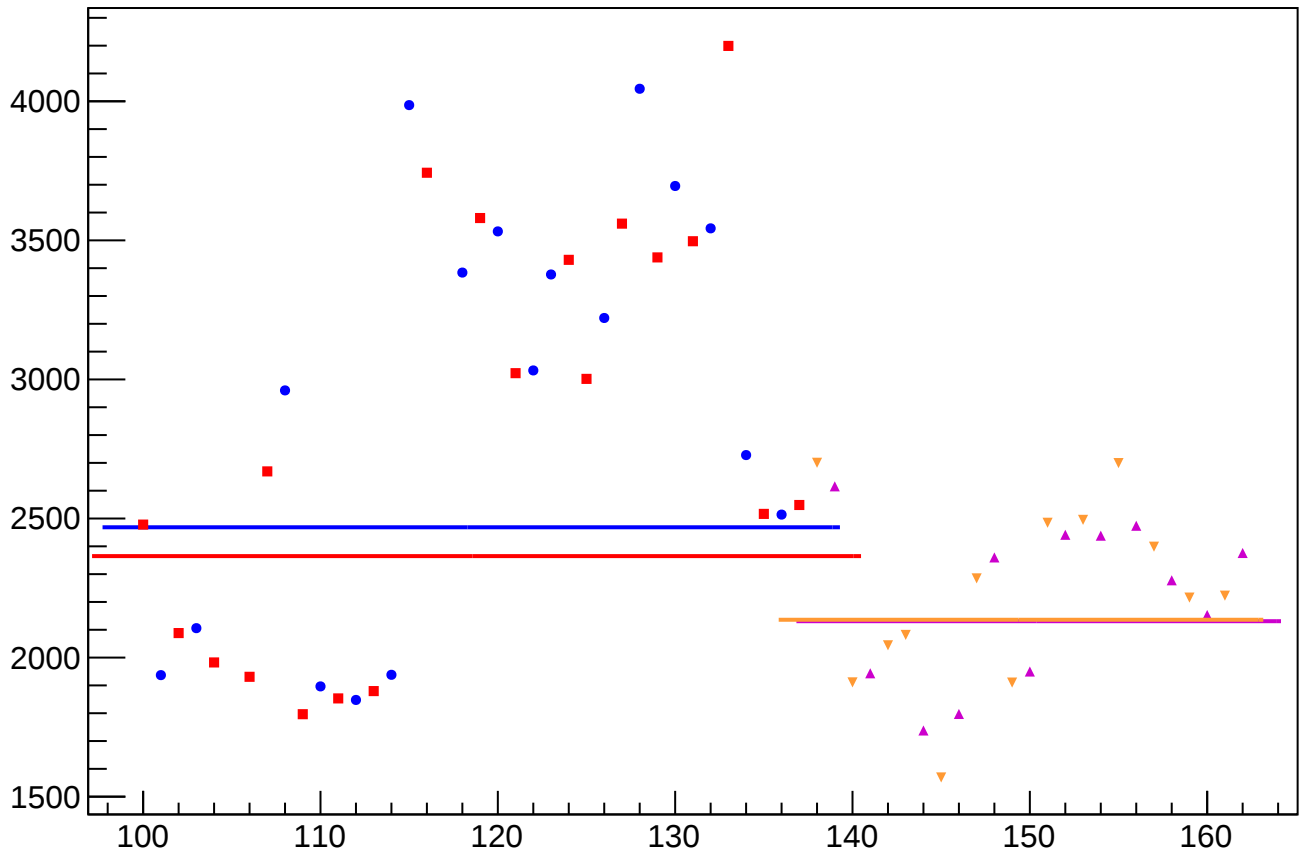
Left In: 678.574 $\pm$ 690.495 χ^2 /NDF:7.8/11

+ sign 2752.431 $\pm$ 569.251 χ^2 /NDF: 53.0/29

All: 1866.269 $\pm$ 396.729 χ^2 /NDF: 76.5/60

- sign 1029.339 $\pm$ 553.212 χ^2 /NDF: 18.8/30

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2136.000+/-0.491 χ^2/NDF : 472349.0/12

Right Out: 2364.833+/-0.654 χ^2/NDF : 1025161.0/18

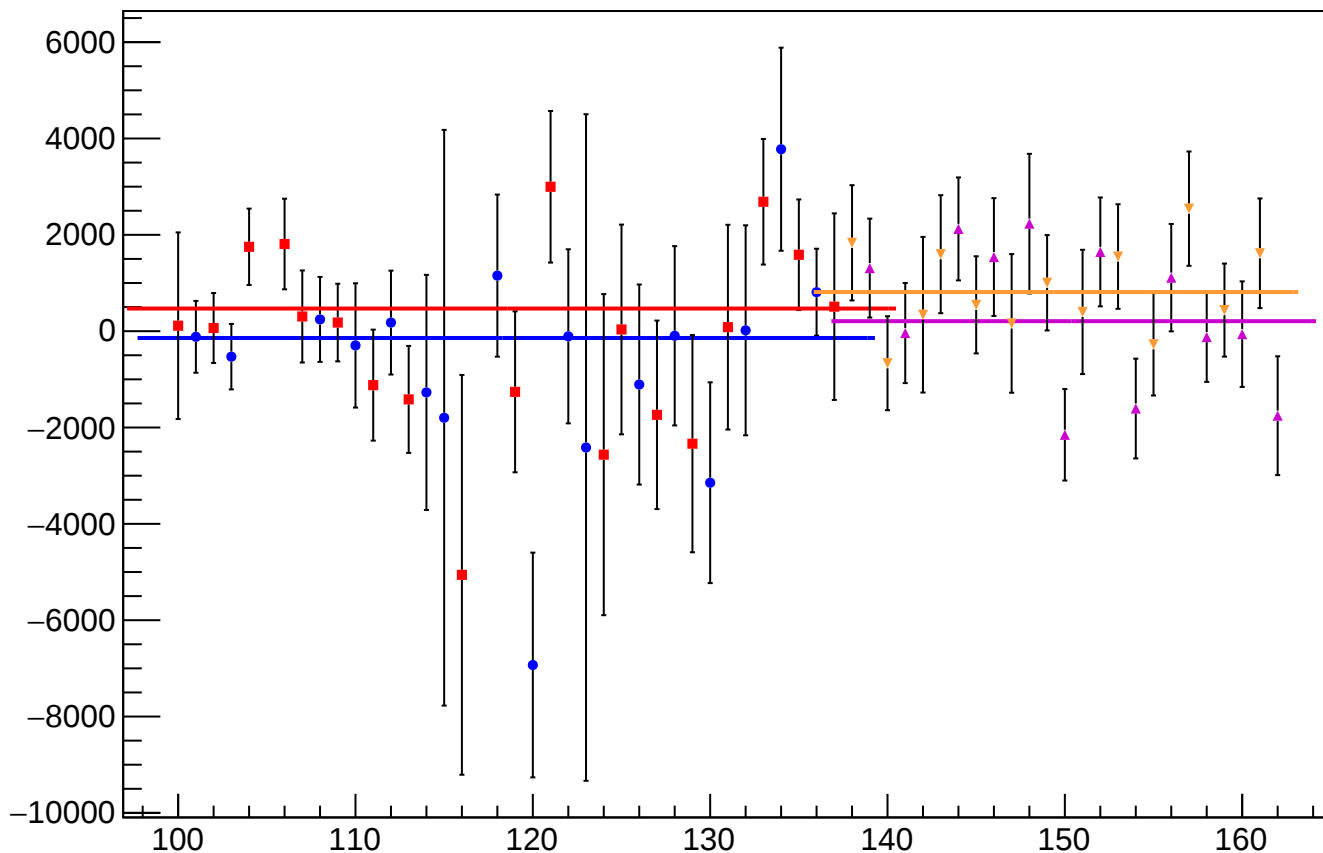
Left In: 2130.832+/-0.488 χ^2/NDF : 342491.9/11

+ sign 2244.643+/-0.403 χ^2/NDF : 1518600.6/29

All: 2229.208+/-0.281 χ^2/NDF : 2971366.9/60

- sign 2214.630+/-0.391 χ^2/NDF : 1449907.1/30

asym_sam5_mean vs Slug



Right In: -141.213 ± 313.319 χ^2/NDF : 16.9/16

Left Out: 812.000 ± 313.498 χ^2/NDF : 8.2/12

Right Out: 470.143 ± 282.892 χ^2/NDF : 22.9/18

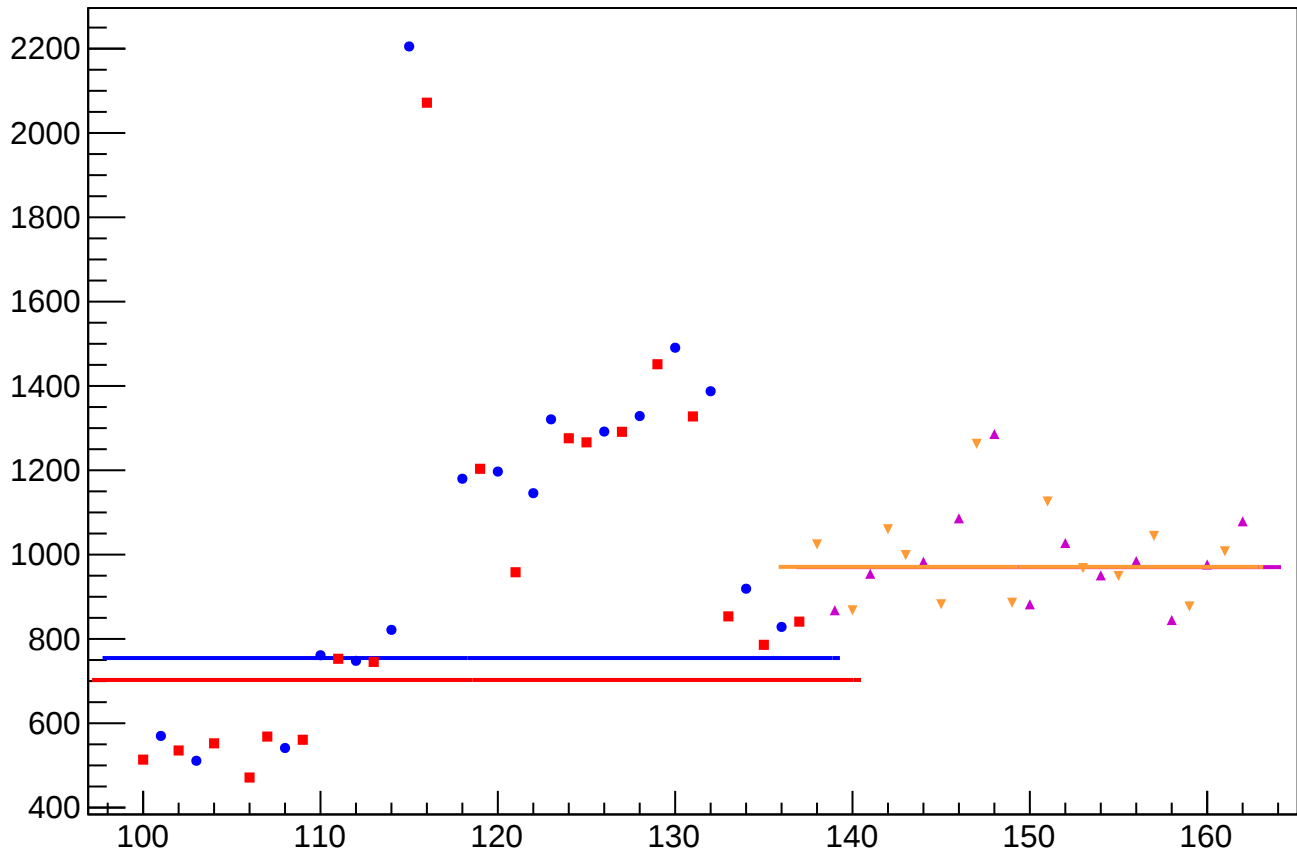
Left In: 207.593 ± 313.585 χ^2/NDF : 21.8/11

+ sign 335.121 ± 221.613 χ^2/NDF : 29.8/29

All: 344.193 ± 152.452 χ^2/NDF : 74.9/60

- sign 352.343 ± 210.050 χ^2/NDF : 45.1/30

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 970.932+/-0.222 χ^2/NDF : 204350.8/12

+ sign 862.746+/-0.157 χ^2/NDF : 2371055.0/29

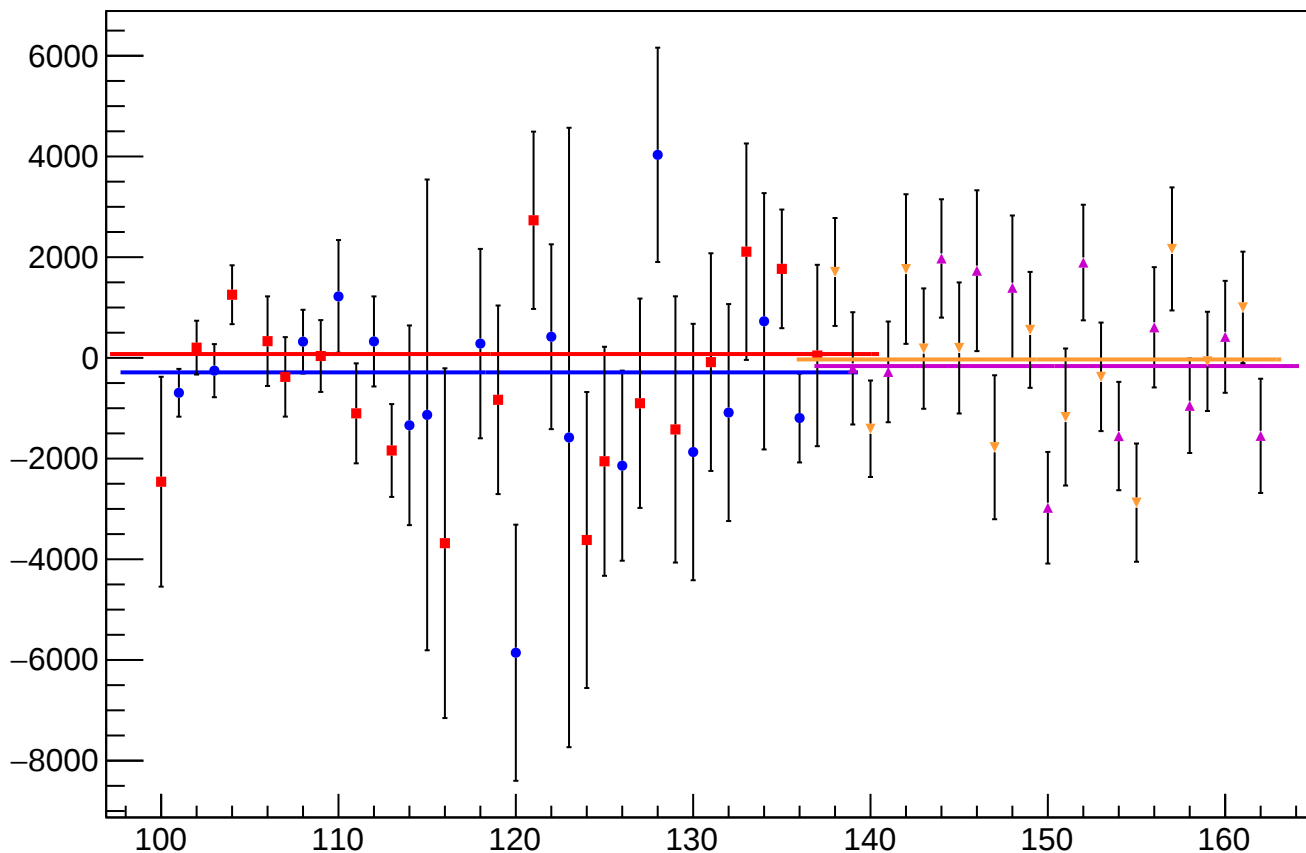
Right Out: 702.721+/-0.200 χ^2/NDF : 1691602.9/18

All: 841.691+/-0.108 χ^2/NDF : 5108561.8/60

- sign 822.775+/-0.149 χ^2/NDF : 2703235.0/30

Left In: 970.294+/-0.222 χ^2/NDF : 208835.8/11

asym_sam6_mean vs Slug



Right In: -288.037 ± 250.436 χ^2/NDF : 16.2/16

Left Out: -31.408 ± 322.960 χ^2/NDF : 18.7/12

Right Out: 76.119 ± 246.083 χ^2/NDF : 21.4/18

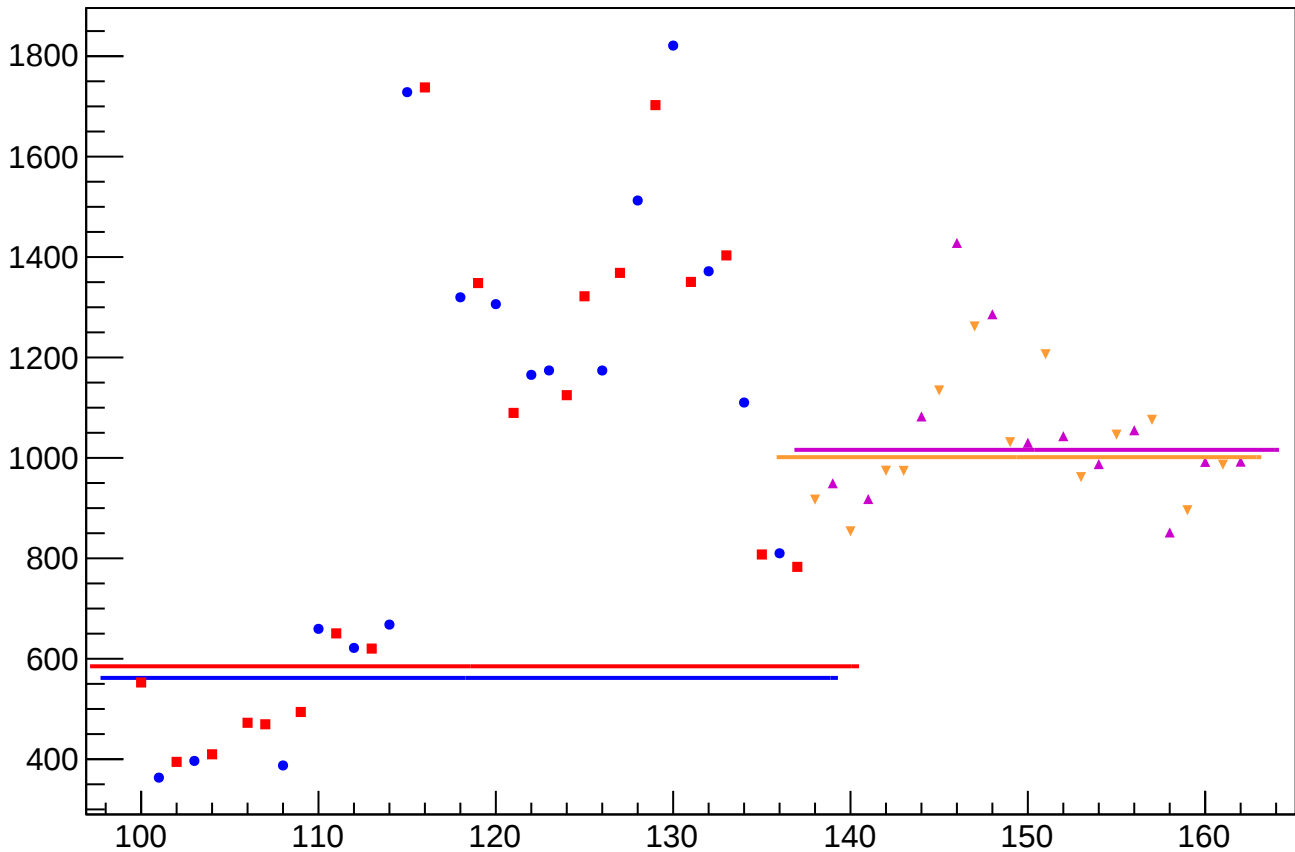
Left In: -162.843 ± 328.529 χ^2/NDF : 20.1/11

+ sign -191.671 ± 197.906 χ^2/NDF : 35.3/29

All: -100.282 ± 139.604 χ^2/NDF : 77.5/60

- sign -9.768 ± 196.957 χ^2/NDF : 41.8/30

asym_sam6_rms vs Slug



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1001.485 $\pm$ 0.228 χ^2 /NDF: 231939.3/12

+ sign 726.964 $\pm$ 0.140 χ^2 /NDF: 5762548.3/29

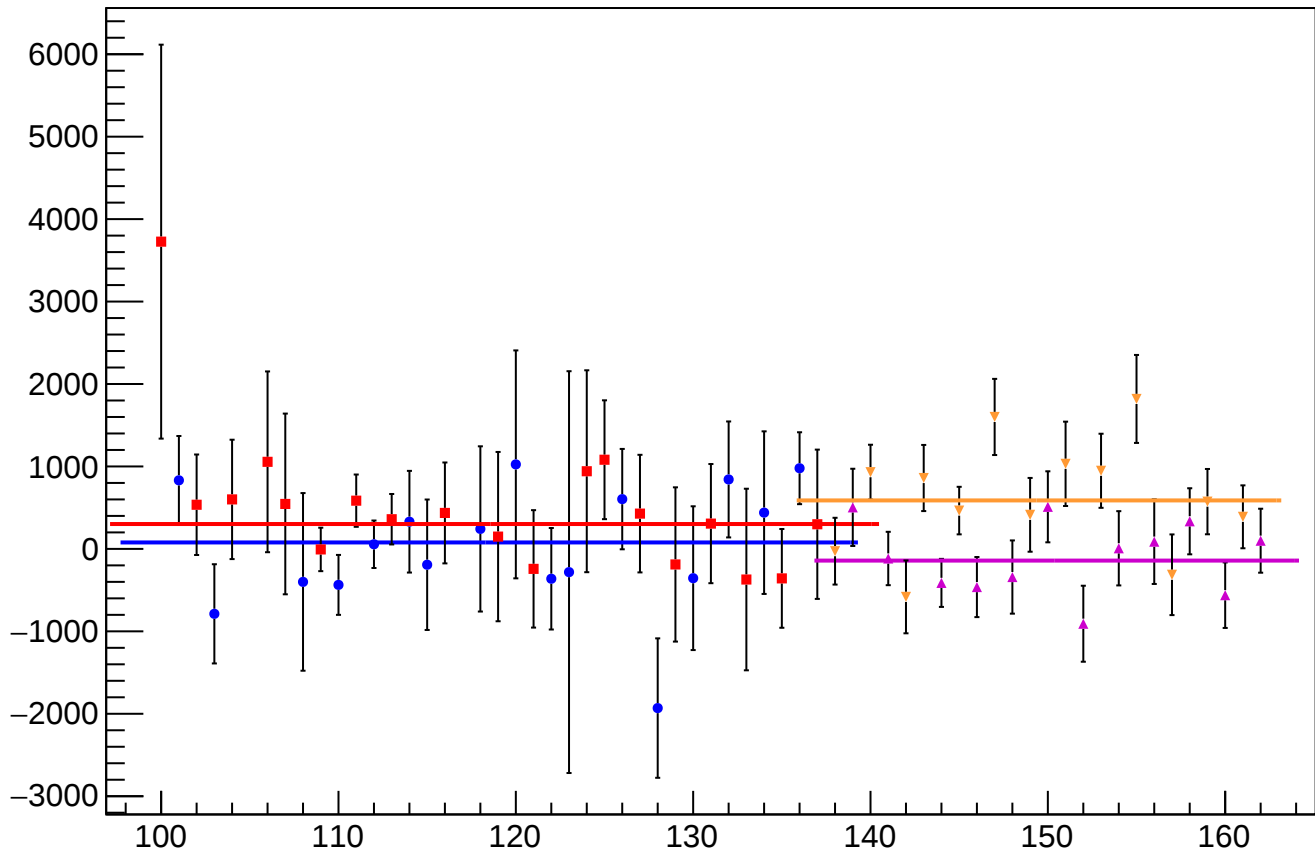
Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

All: 733.474 $\pm$ 0.099 χ^2 /NDF: 11101888.6/60

- sign 739.921 $\pm$ 0.139 χ^2 /NDF: 5335032.9/30

Left In: 1016.052 $\pm$ 0.232 χ^2 /NDF: 304941.5/11

asym_sam7_mean vs Slug



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 587.937 ± 113.315 χ^2/NDF : 26.4/12

Right Out: 301.651 ± 129.650 χ^2/NDF : 9.1/18

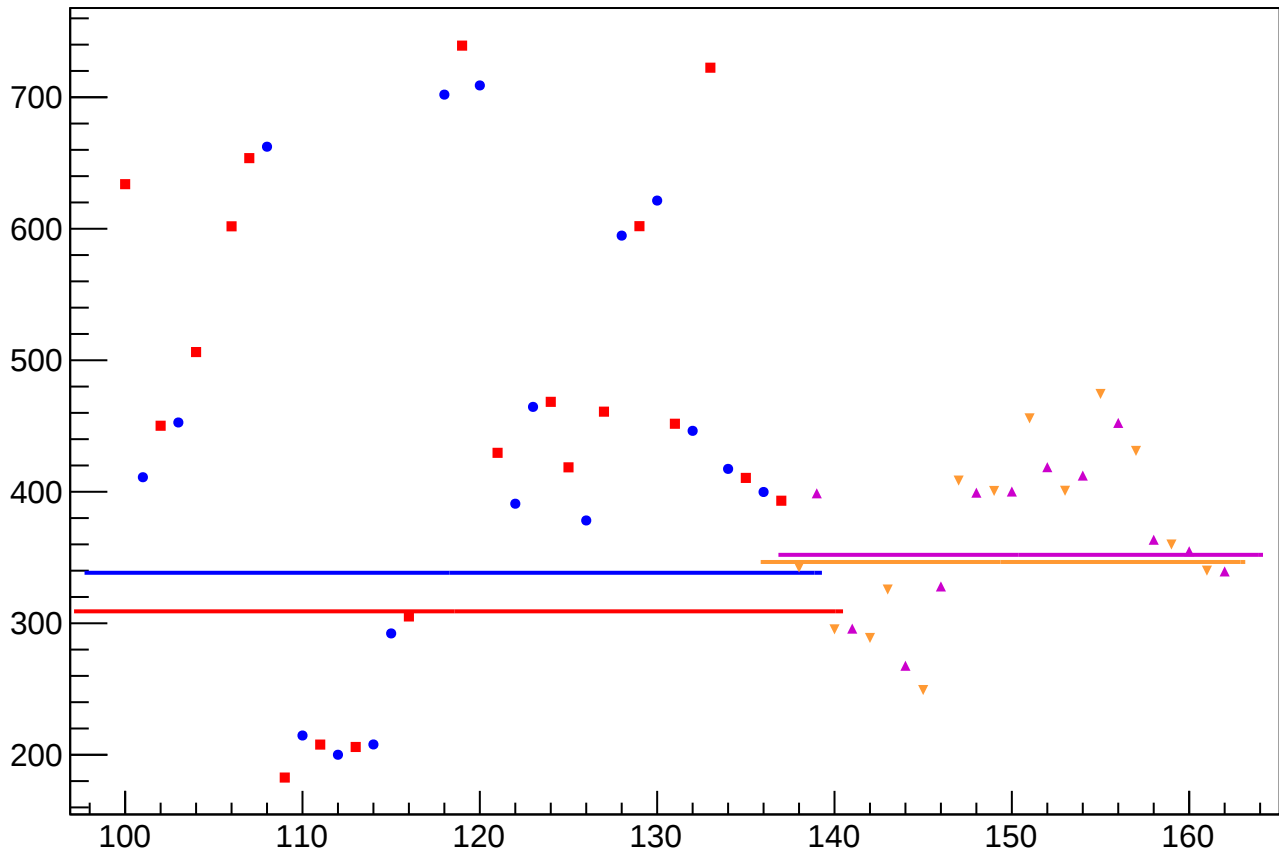
Left In: -141.868 ± 114.322 χ^2/NDF : 12.0/11

+ sign 391.096 ± 88.780 χ^2/NDF : 54.0/29

All: 215.728 ± 61.677 χ^2/NDF : 89.2/60

- sign 52.137 ± 85.748 χ^2/NDF : 27.7/30

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 346.618 $\pm$ 0.080 χ^2 /NDF: 677725.0/12

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

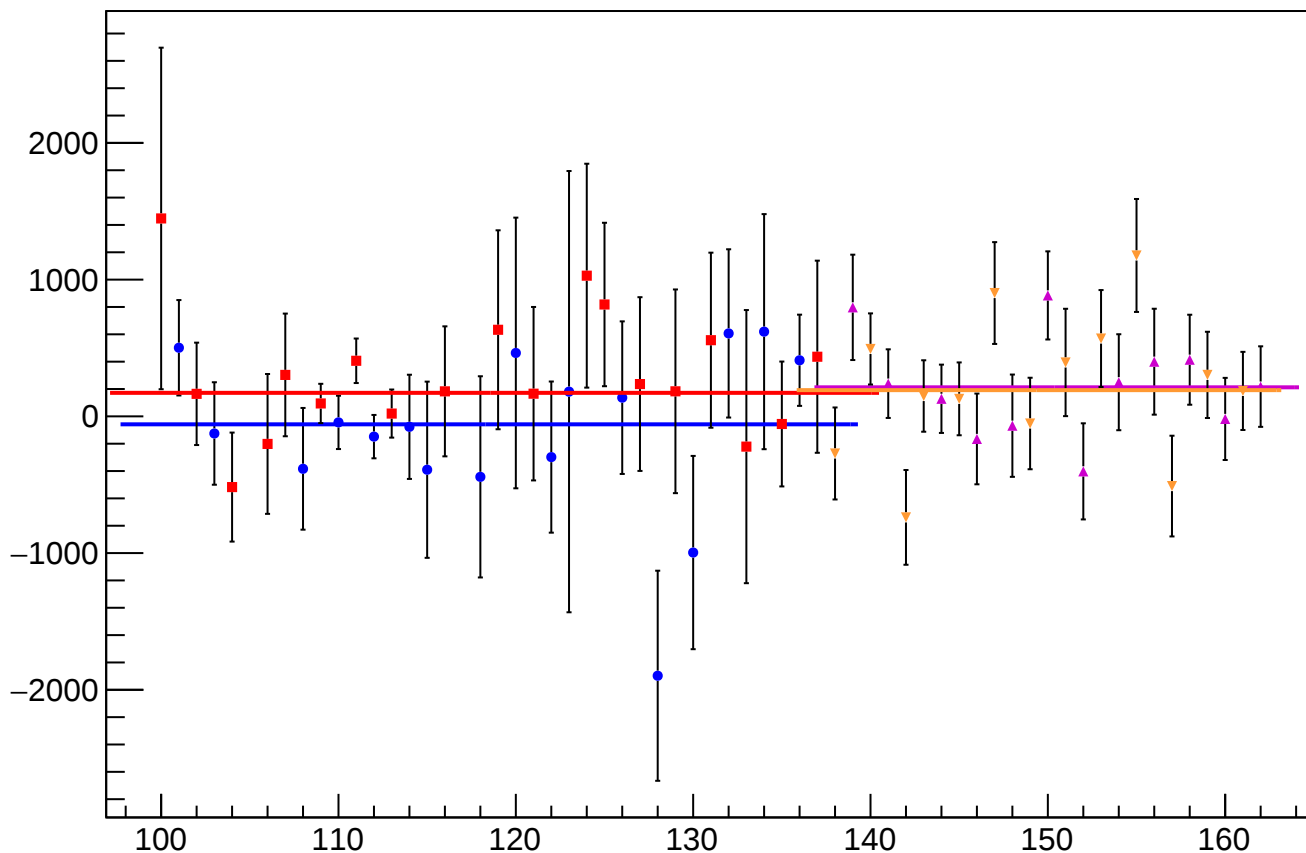
Left In: 352.050 $\pm$ 0.081 χ^2 /NDF: 461898.6/11

+ sign 343.448 $\pm$ 0.063 χ^2 /NDF: 2691066.5/29

All: 338.174 $\pm$ 0.044 χ^2 /NDF: 6023660.1/60

- sign 333.255 $\pm$ 0.061 χ^2 /NDF: 3318954.0/30

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 191.672 ± 88.802 χ^2/NDF : 25.5/12

Right Out: 171.954 ± 76.920 χ^2/NDF : 11.3/18

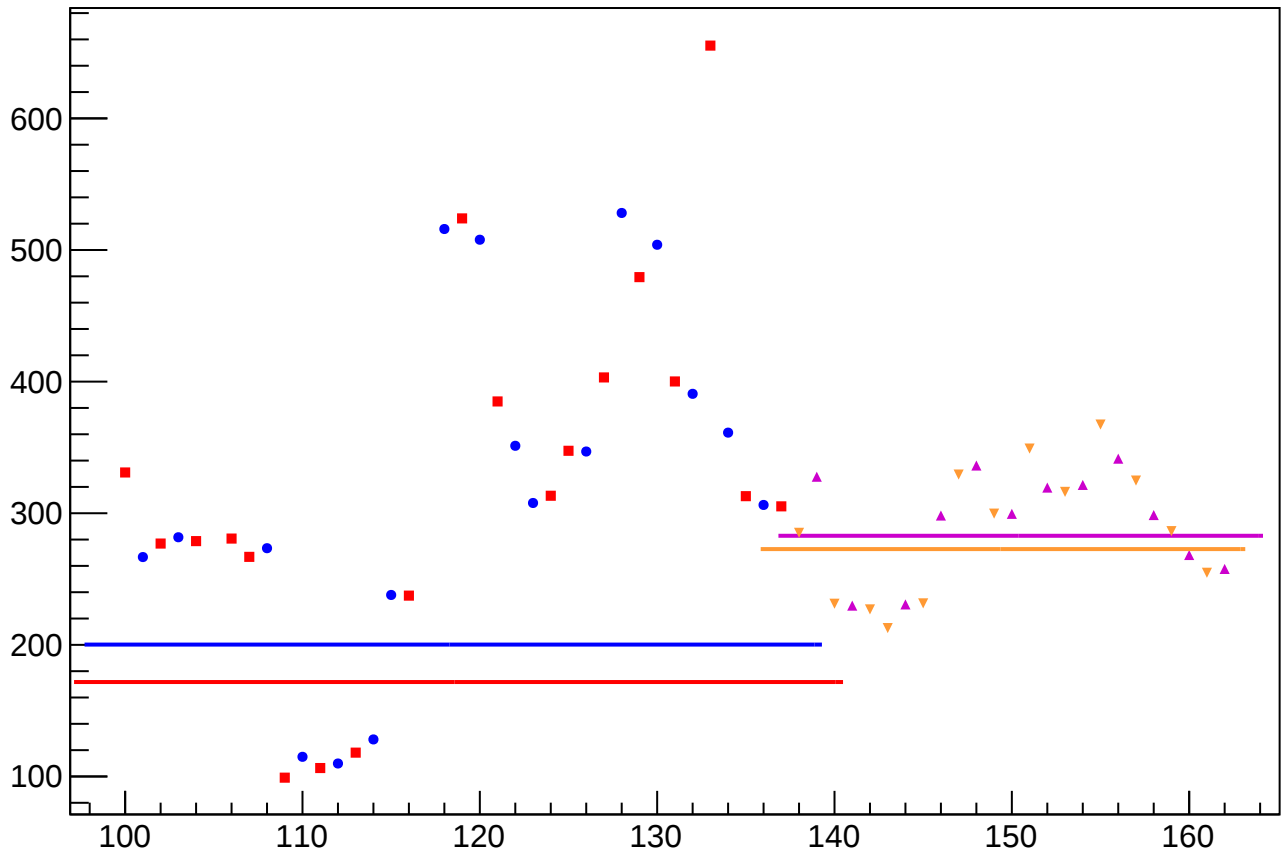
Left In: 212.338 ± 91.587 χ^2/NDF : 12.9/11

+ sign 69.032 ± 63.379 χ^2/NDF : 45.3/29

All: 133.218 ± 43.146 χ^2/NDF : 71.6/60

- sign 188.658 ± 58.902 χ^2/NDF : 24.4/30

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 272.760+/-0.063 χ^2/NDF : 563635.4/12

Right Out: 171.757+/-0.054 χ^2/NDF : 4093922.6/18

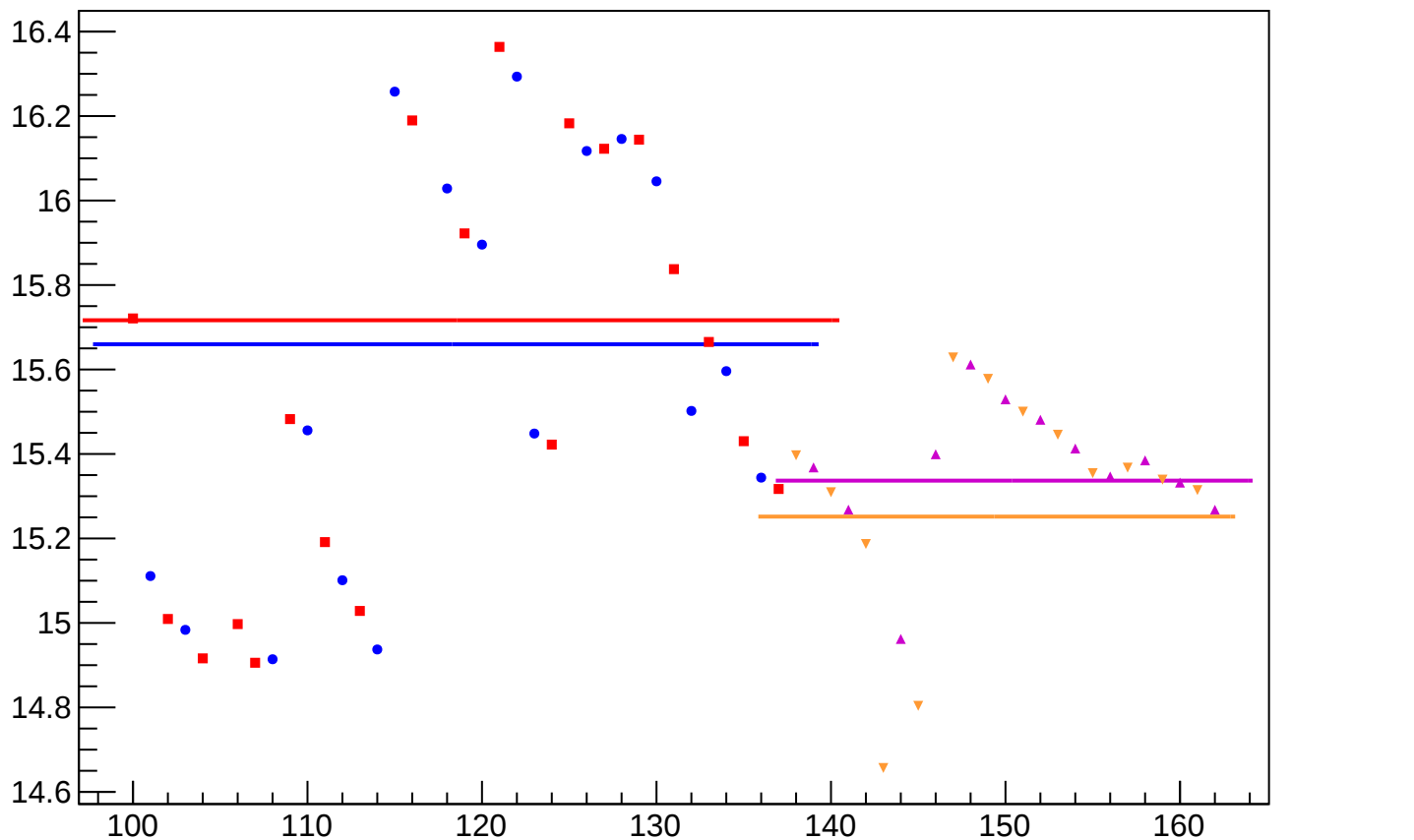
Left In: 282.875+/-0.065 χ^2/NDF : 369722.1/11

+ sign 237.165+/-0.045 χ^2/NDF : 4605799.0/29

All: 226.730+/-0.031 χ^2/NDF : 10896791.7/60

- sign 217.717+/-0.042 χ^2/NDF : 6189947.6/30

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.252 $\pm$ 0.000 χ^2 /NDF: 6305748248.4/12

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

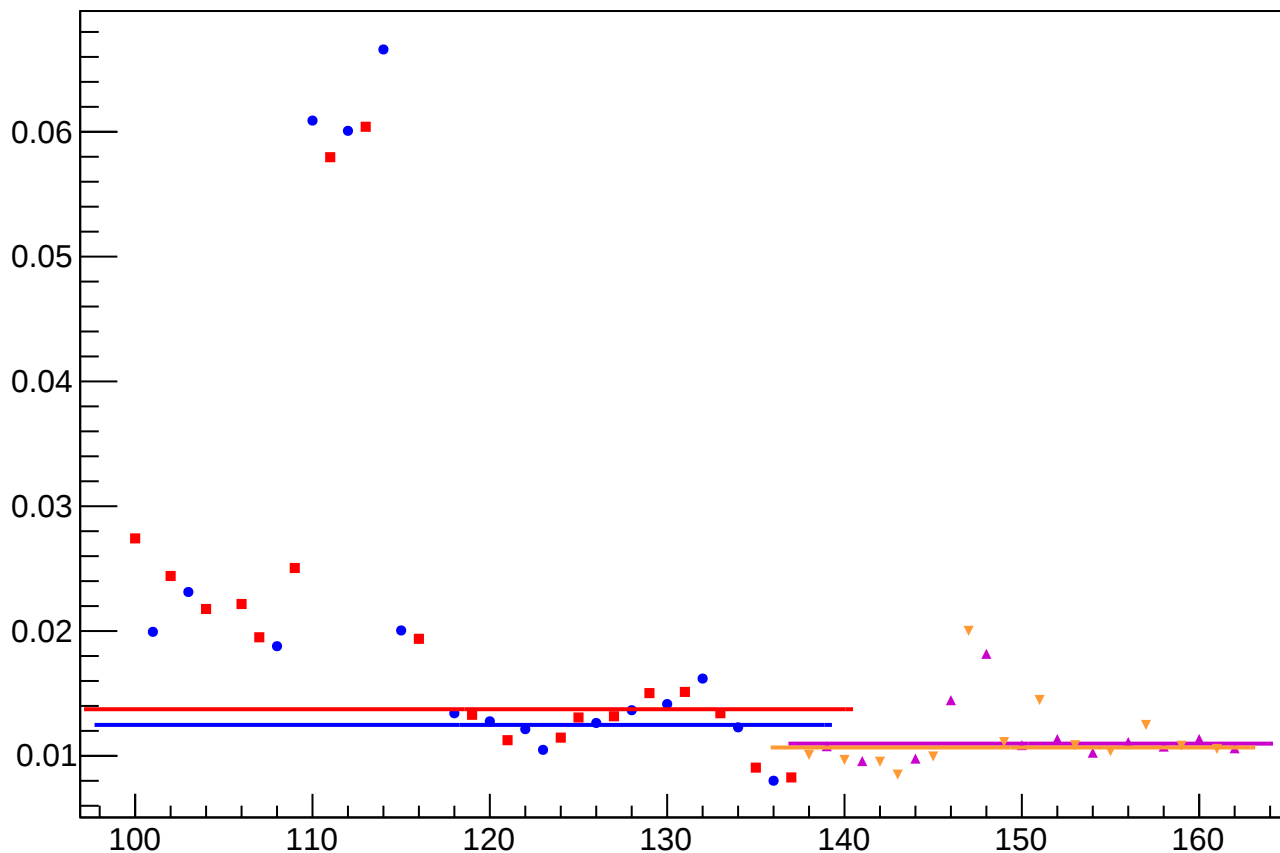
Left In: 15.337 $\pm$ 0.000 χ^2 /NDF: 1915450435.5/11

+ sign 15.373 $\pm$ 0.000 χ^2 /NDF: 15964713278.5/29

All: 15.406 $\pm$ 0.000 χ^2 /NDF: 26610771300.6

- sign 15.442 $\pm$ 0.000 χ^2 /NDF: 10386928017.3/30

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:583128.9/12

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

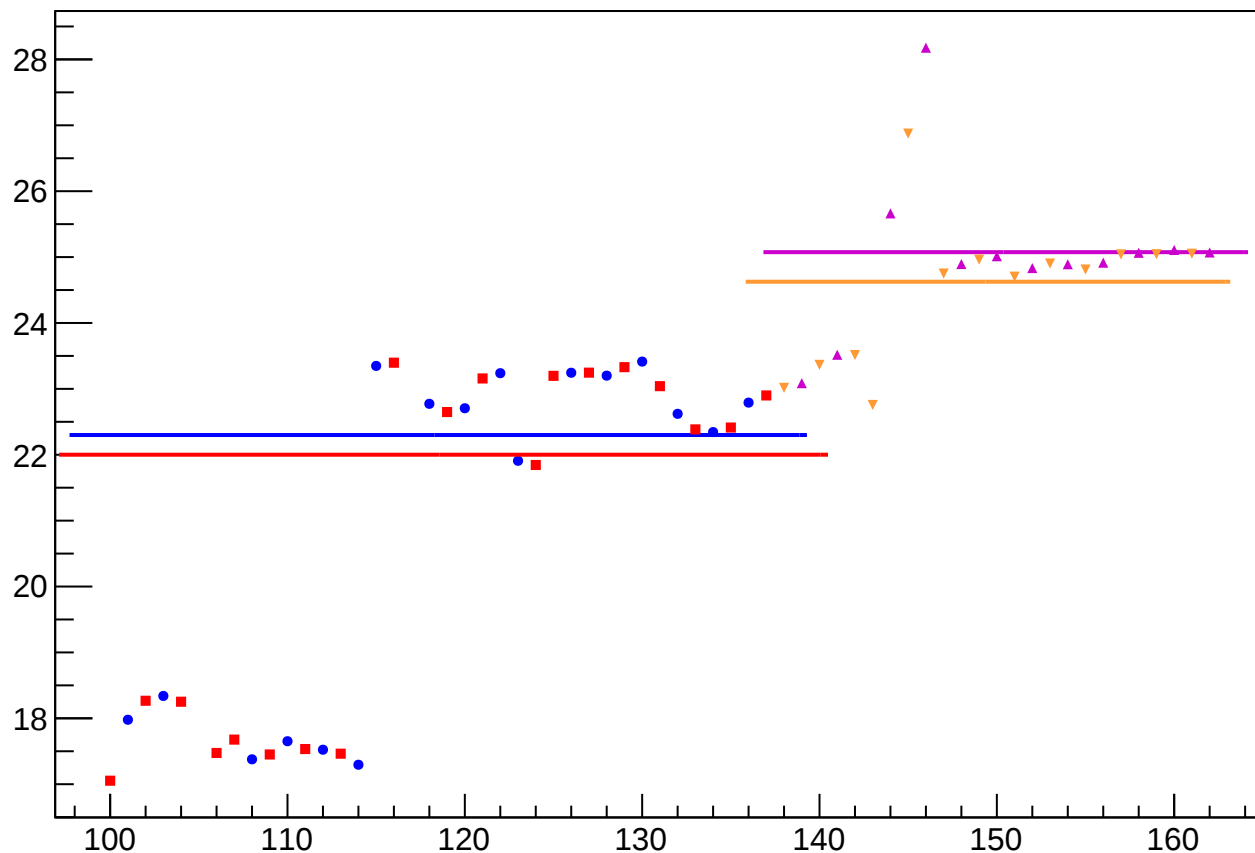
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:397025.7/11

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2888738.6/29

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5711550.4/60

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2791809.3/30

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.626+/-0.000 χ^2/NDF : 854956122.2/12

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

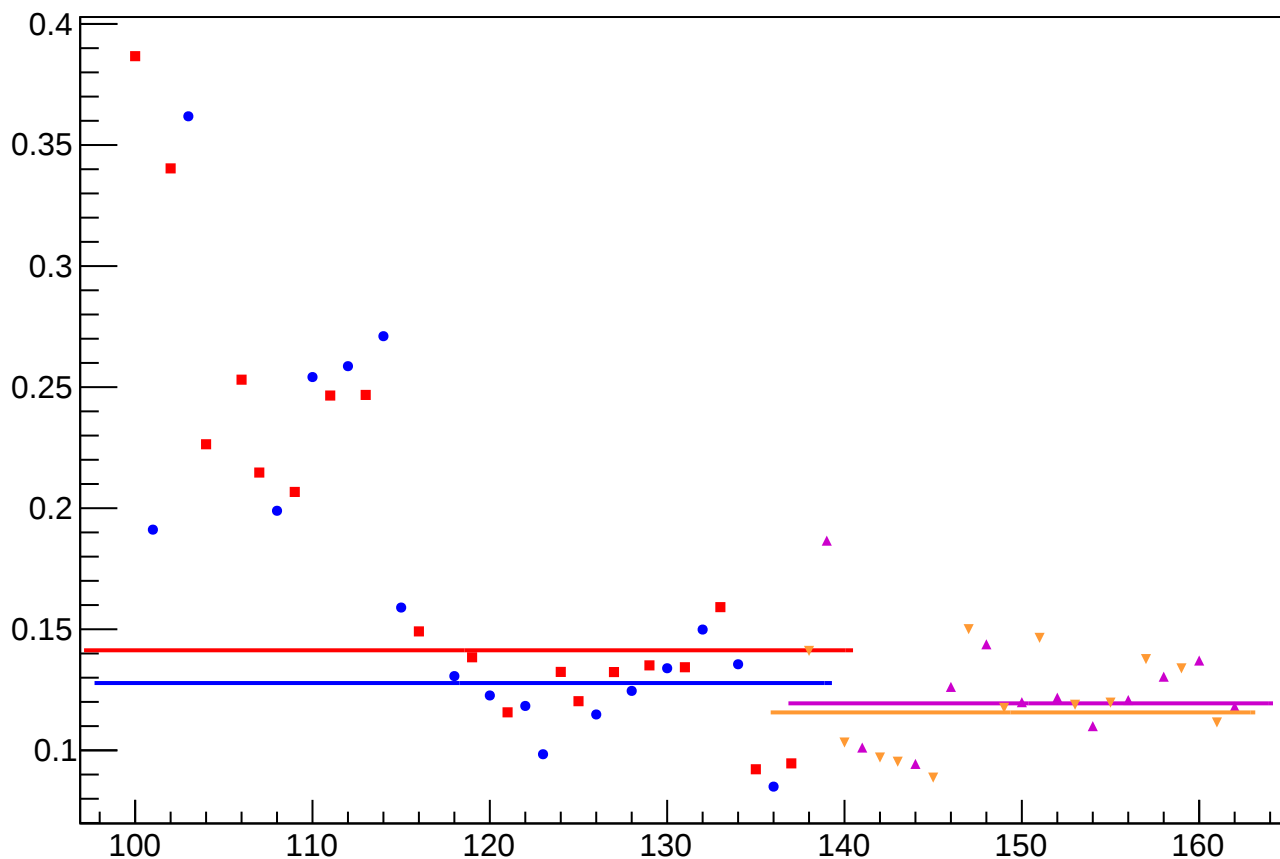
Left In: 25.075+/-0.000 χ^2/NDF : 698095418.5/11

+ sign 23.843+/-0.000 χ^2/NDF : 2905283702.2/29

All: 23.962+/-0.000 χ^2/NDF : 6466925533.2/6

- sign 24.089+/-0.000 χ^2/NDF : 3534649523.8/30

yield_sam2_rms vs Slug



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.116 $\pm$ 0.000 χ^2 /NDF:451594.8/12

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1449275.1/18

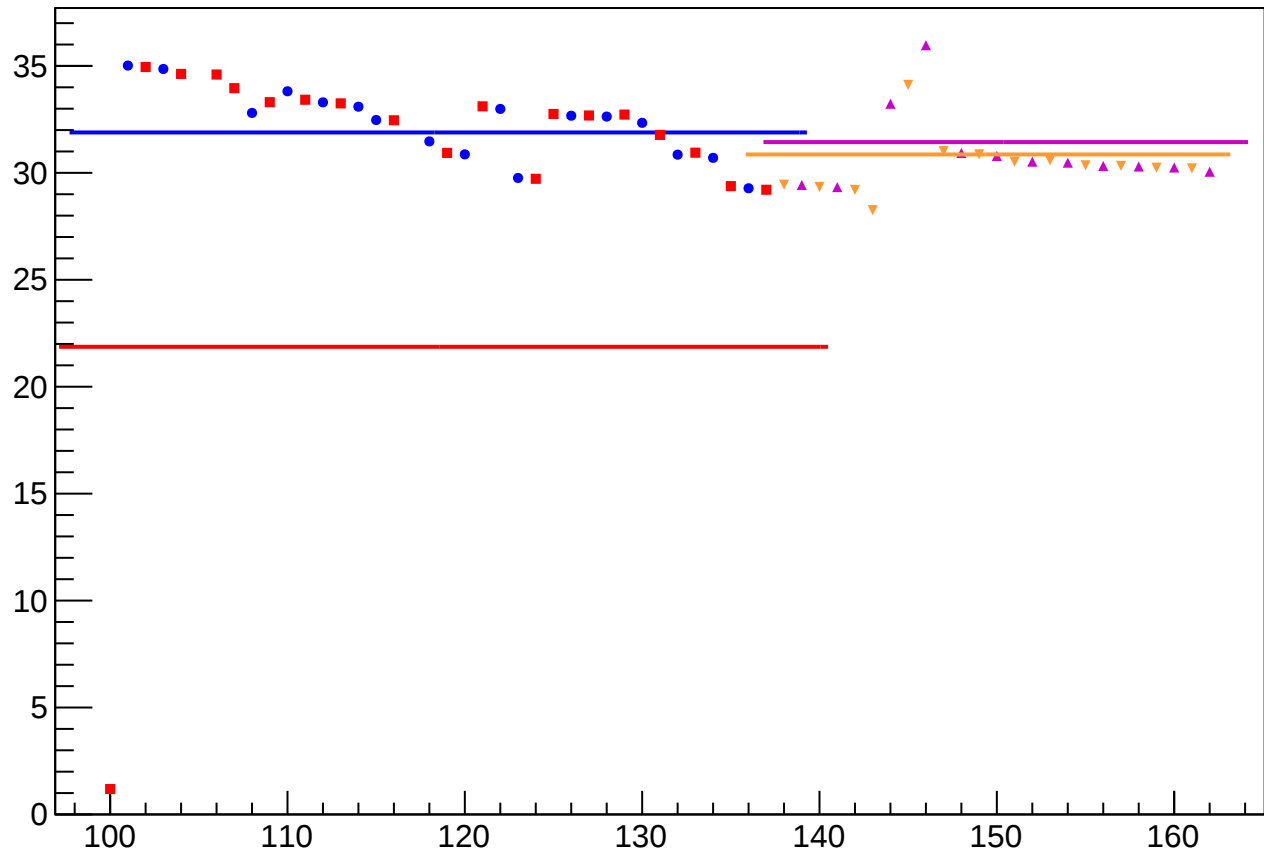
Left In: 0.119 $\pm$ 0.000 χ^2 /NDF:423900.3/11

+ sign 0.120 $\pm$ 0.000 χ^2 /NDF: 2004176.4/29

All: 0.123 $\pm$ 0.000 χ^2 /NDF: 4096960.5/60

- sign 0.126 $\pm$ 0.000 χ^2 /NDF: 2053077.3/30

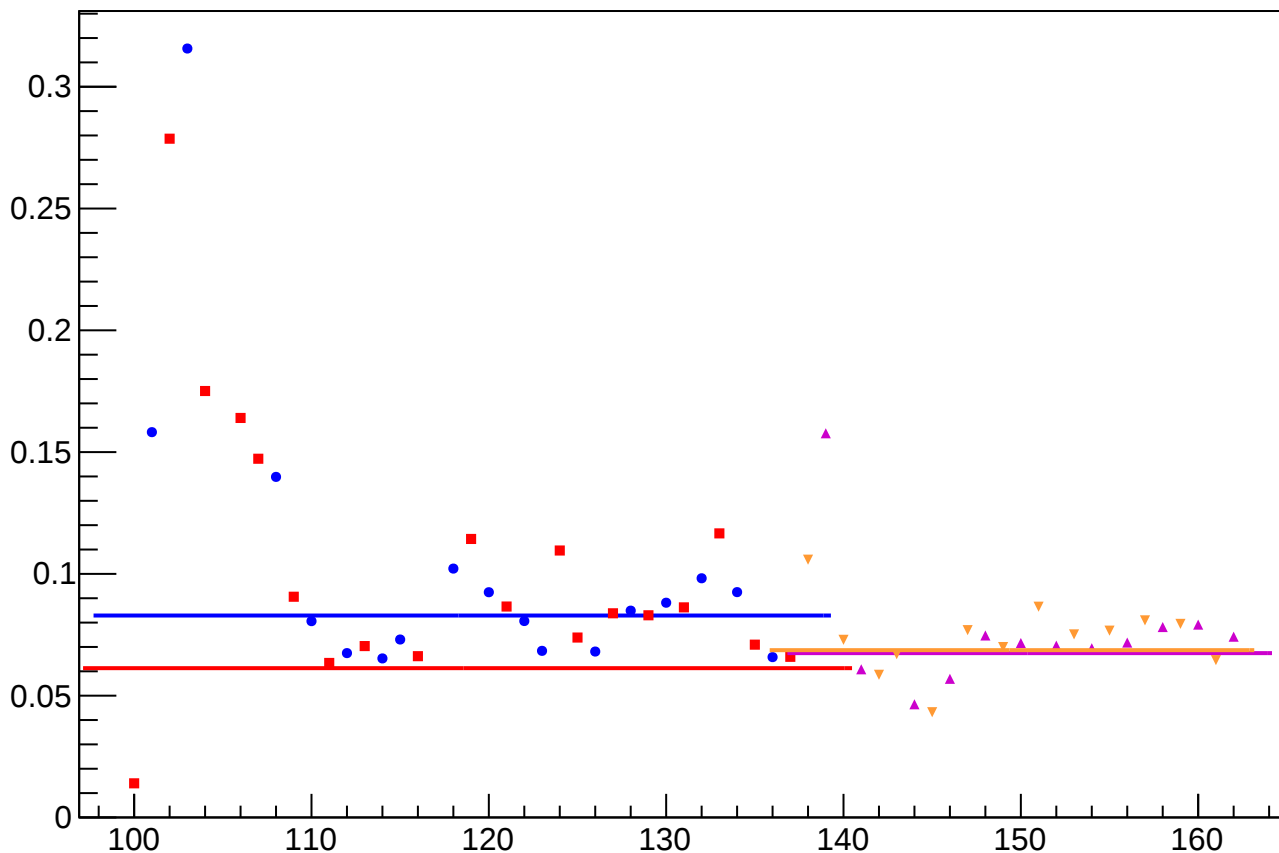
yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16
 Left Out: 30.861+/-0.000 χ^2/NDF : 4462097851.5/12
 Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18
 Left In: 31.439+/-0.000 χ^2/NDF : 6495607377.7/11

+ sign 31.186+/-0.000 χ^2/NDF : 6908059585.1/29
 All: 29.258+/-0.000 χ^2/NDF : 317676513585.
 - sign 27.636+/-0.000 χ^2/NDF : 295341428033.6/30

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.069 $\pm$ 0.000 χ^2 /NDF: 689172.2/12

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

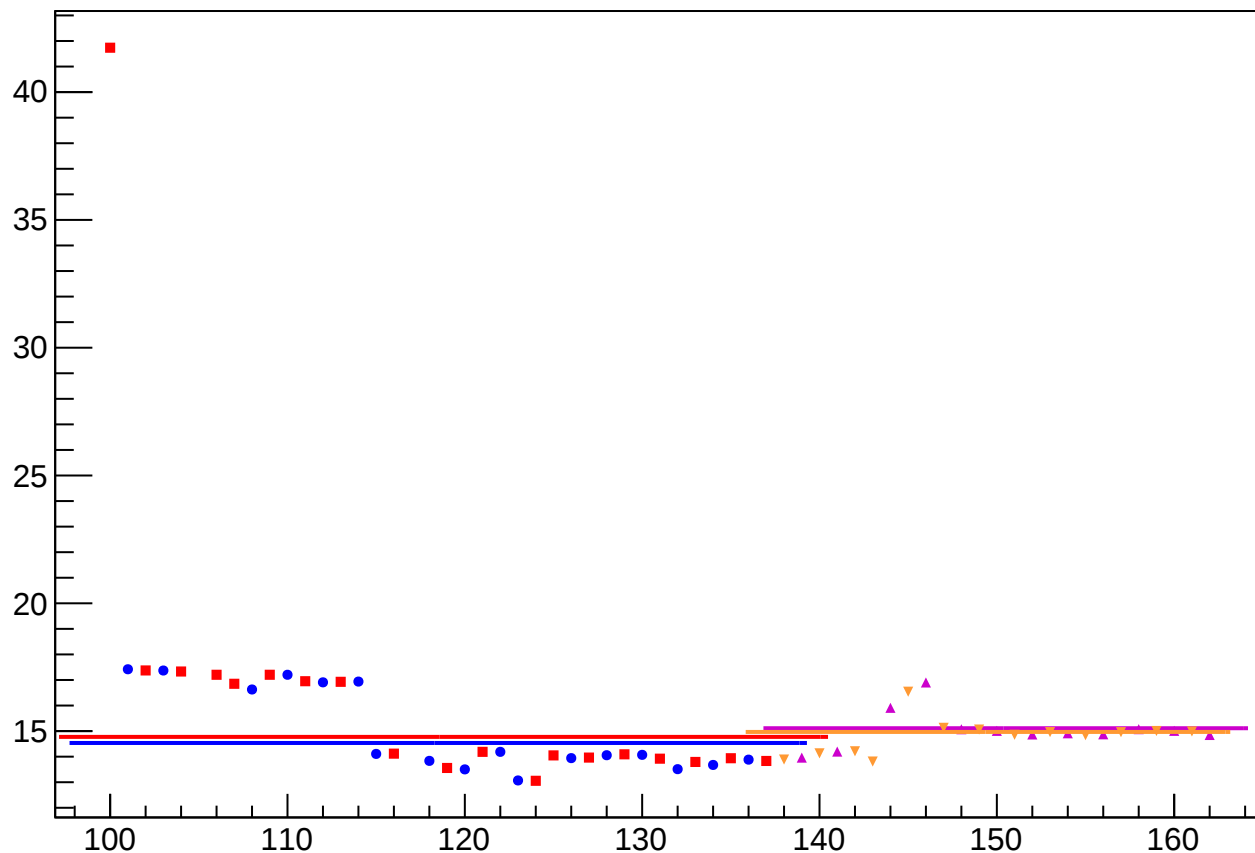
Left In: 0.067 $\pm$ 0.000 χ^2 /NDF: 848219.9/11

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 2050894.7/29

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 6715097.2/60

- sign 0.065 $\pm$ 0.000 χ^2 /NDF: 4500972.6/30

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.967+/-0.000 χ^2/NDF : 947294616.7/12

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

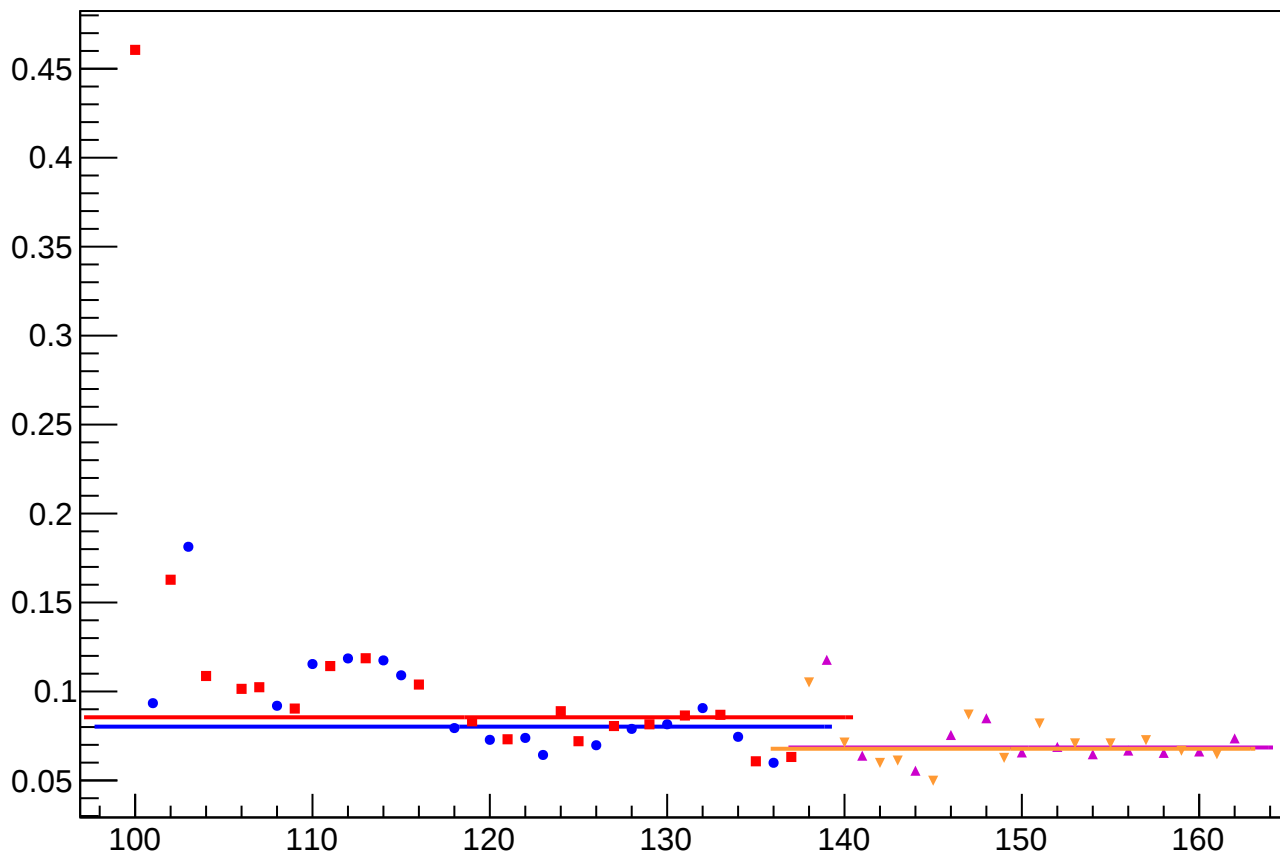
Left In: 15.112+/-0.000 χ^2/NDF : 746925951.7/11

+ sign 14.825+/-0.000 χ^2/NDF : 2524881661.3/29

All: 14.914+/-0.000 χ^2/NDF : 5263516410.0/6

- sign 15.005+/-0.000 χ^2/NDF : 2696720193.3/30

yield_sam4_rms vs Slug



Right In: 0.080 $\pm$ 0.000 χ^2 /NDF: 778734.5/16

Left Out: 0.068 $\pm$ 0.000 χ^2 /NDF: 471904.5/12

Right Out: 0.085 $\pm$ 0.000 χ^2 /NDF: 738043.0/18

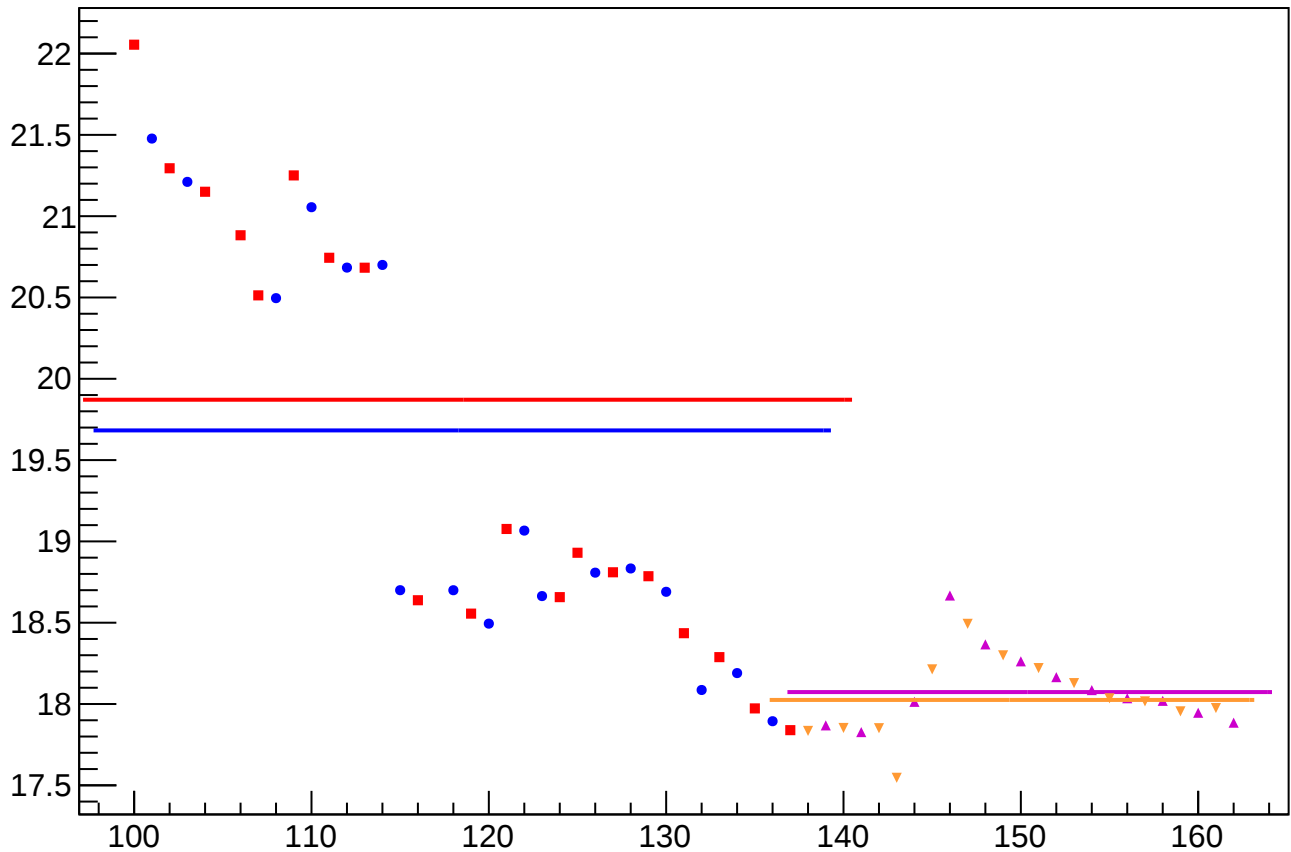
Left In: 0.069 $\pm$ 0.000 χ^2 /NDF: 410661.4/11

+ sign 0.072 $\pm$ 0.000 χ^2 /NDF: 1427950.1/29

All: 0.073 $\pm$ 0.000 χ^2 /NDF: 2903513.0/60

- sign 0.074 $\pm$ 0.000 χ^2 /NDF: 1465608.6/30

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.025+/-0.000 χ^2/NDF : 405340916.8/12

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

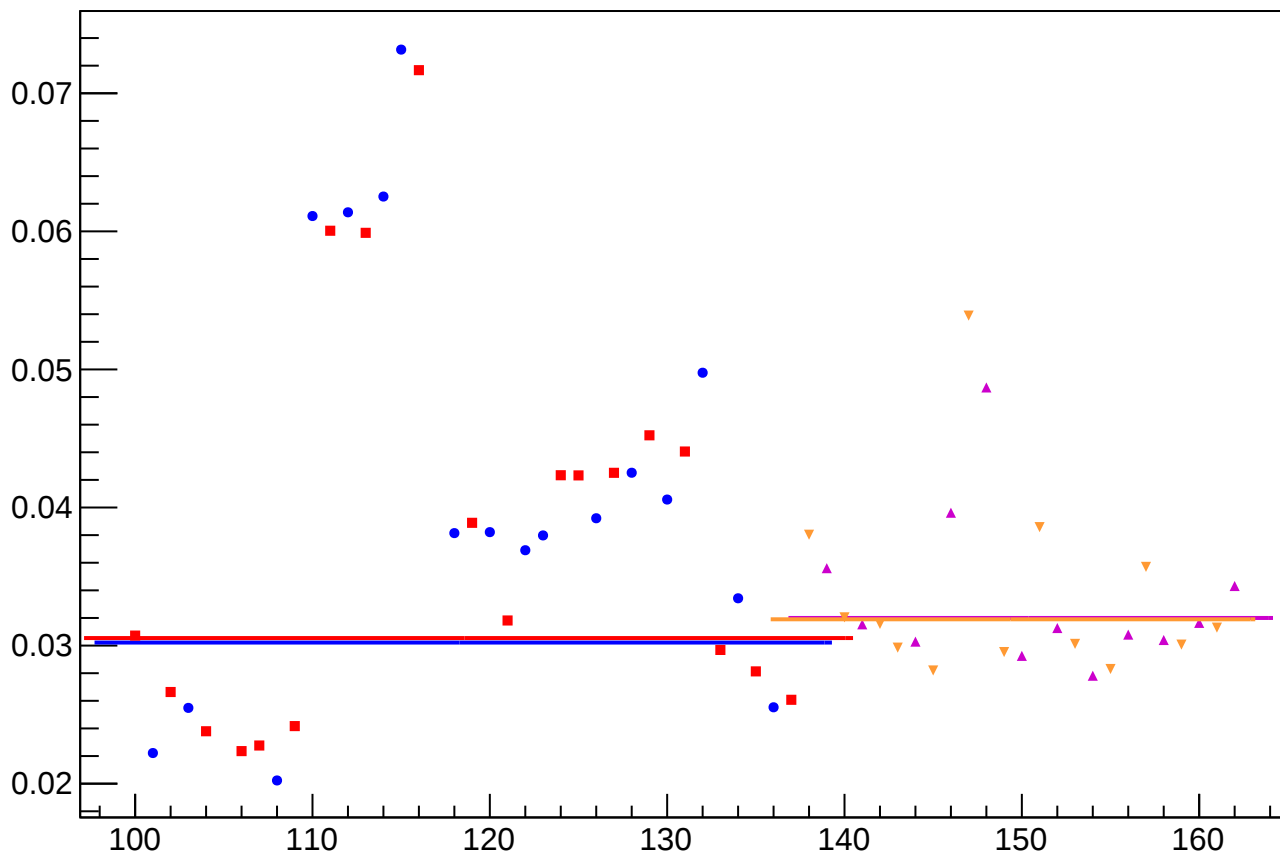
Left In: 18.073+/-0.000 χ^2/NDF : 352013807.6/11

+ sign 18.697+/-0.000 χ^2/NDF : 22667546080.8/29

All: 18.756+/-0.000 χ^2/NDF : 46462271454.2

- sign 18.814+/-0.000 χ^2/NDF : 23690341286.1/30

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032+/-0.000 χ^2/NDF : 424451.0/12

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

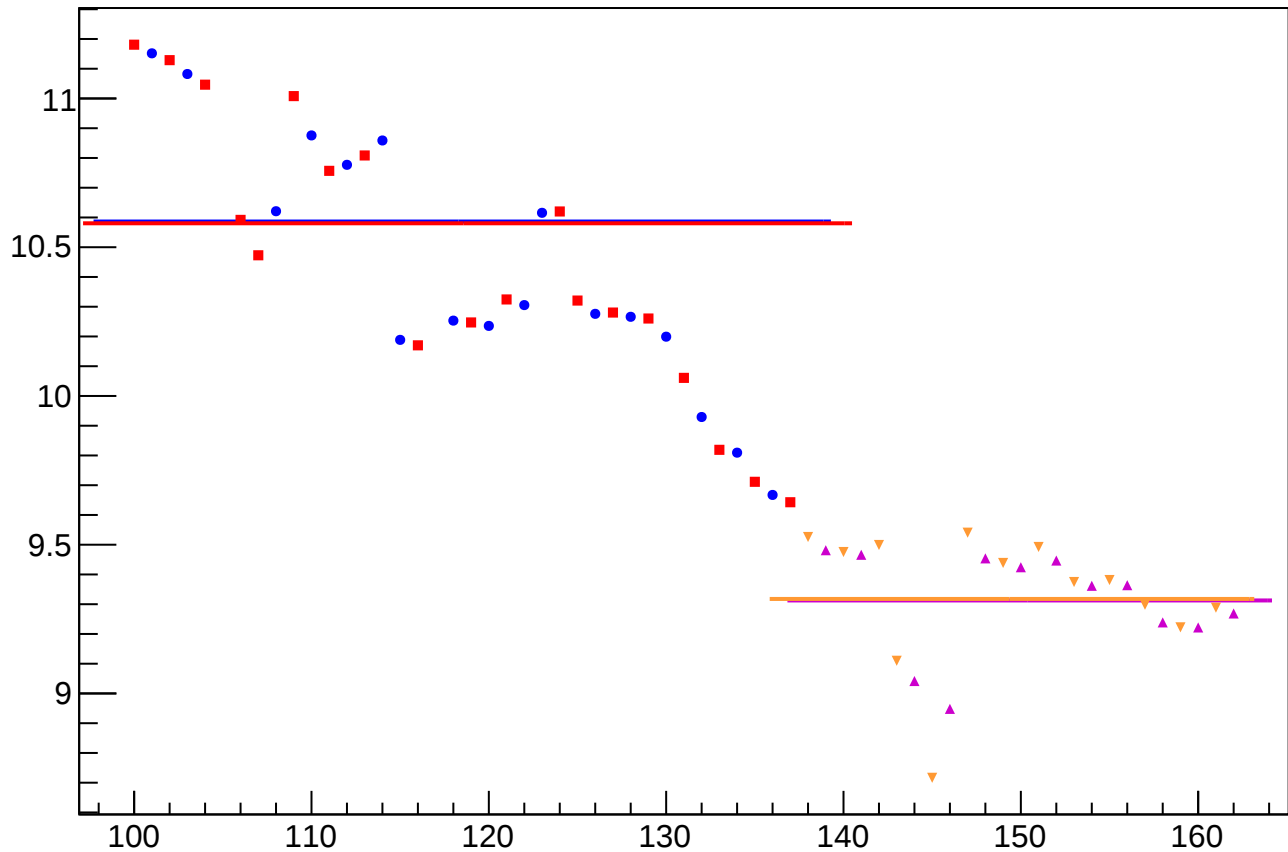
Left In: 0.032+/-0.000 χ^2/NDF : 321714.8/11

+ sign 0.031+/-0.000 χ^2/NDF : 1769583.9/29

All: 0.031+/-0.000 χ^2/NDF : 3297267.1/60

- sign 0.031+/-0.000 χ^2/NDF : 1527193.2/30

yield_sam6_mean vs Slug



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.318+/-0.000 χ^2/NDF : 1061792744.9/12

Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

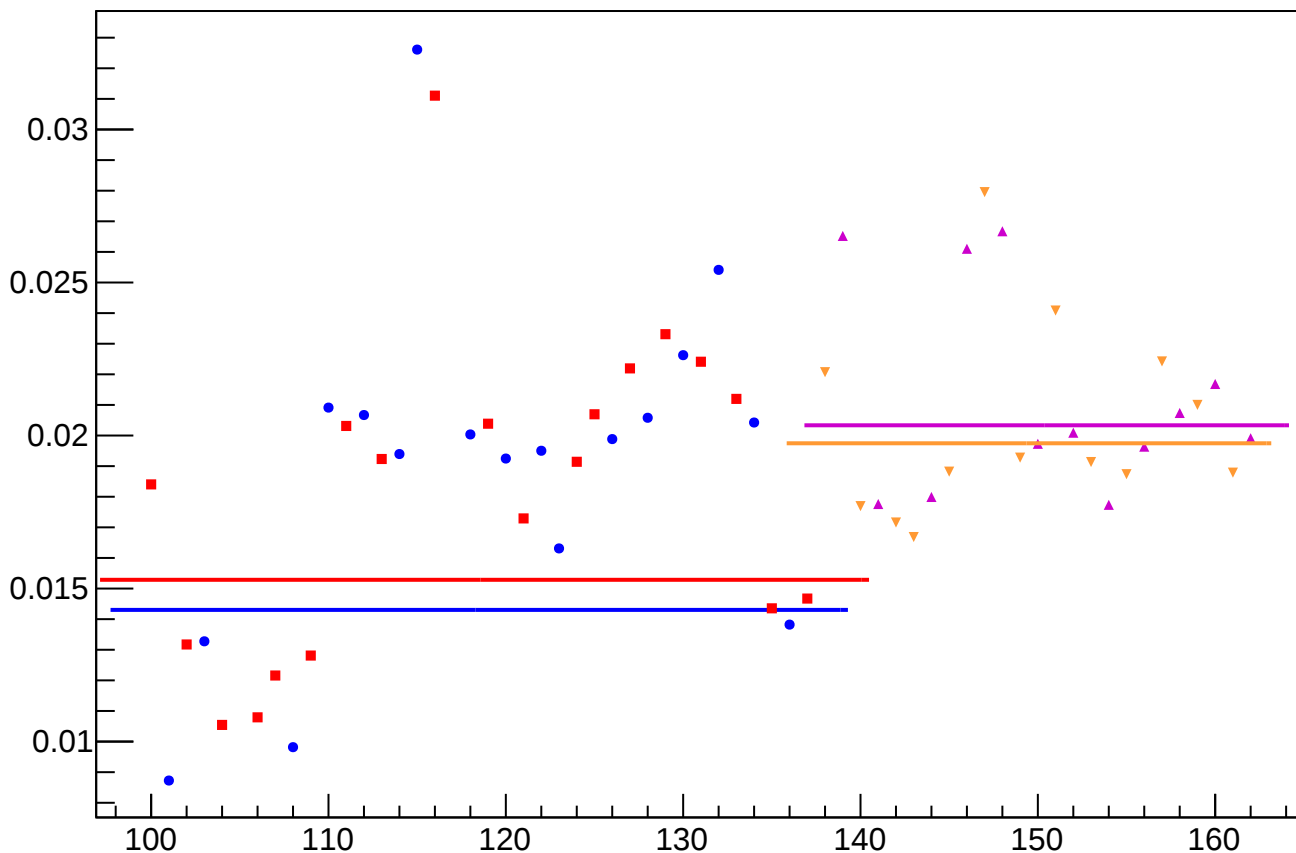
Left In: 9.313+/-0.000 χ^2/NDF : 520826519.2/11

+ sign 9.999+/-0.000 χ^2/NDF : 27881931647.2/29

All: 9.999+/-0.000 χ^2/NDF : 52767173495.1/6

- sign 10.000+/-0.000 χ^2/NDF : 24885230227.4/30

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020+/-0.000 χ^2/NDF :307675.4/12

Right Out: 0.015+/-0.000 χ^2/NDF : 989017.0/18

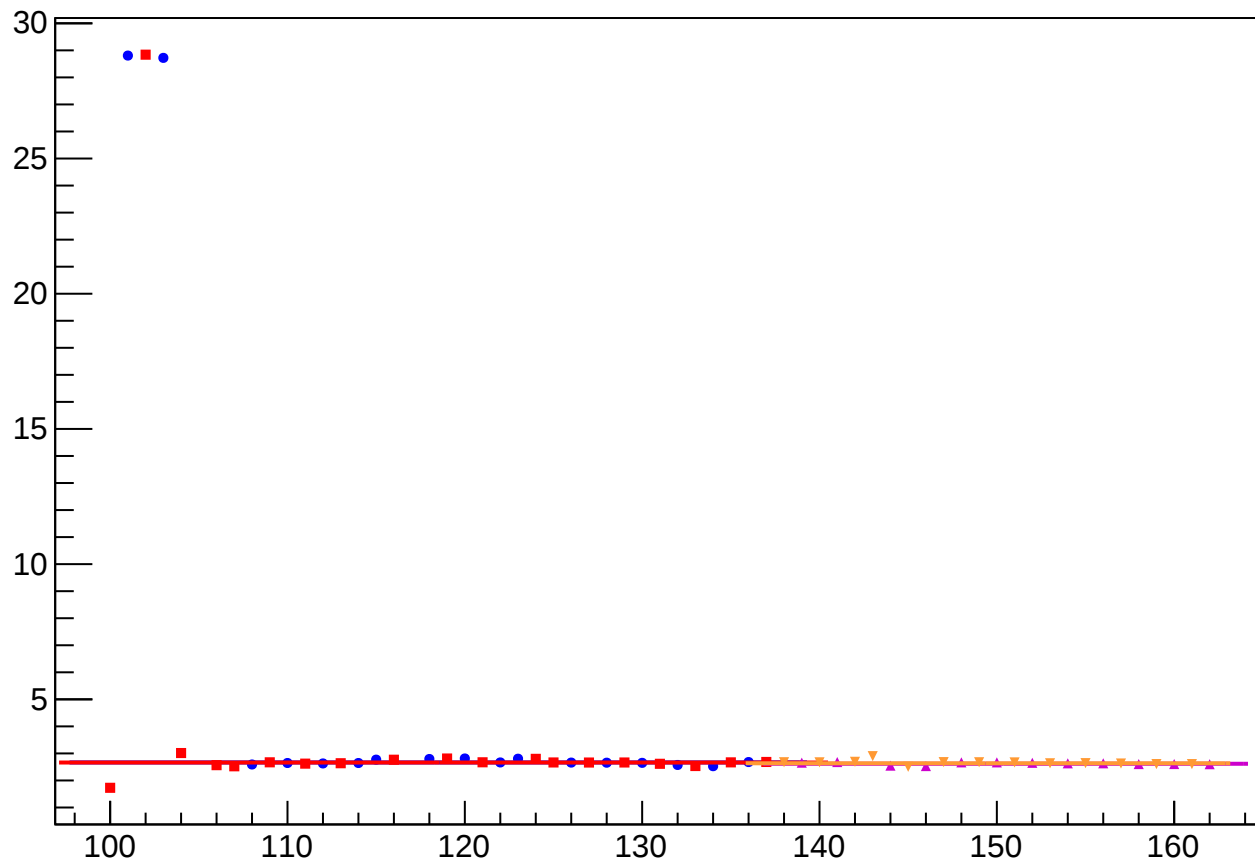
Left In: 0.020+/-0.000 χ^2/NDF :336634.0/11

+ sign 0.017+/-0.000 χ^2/NDF : 2430142.1/29

All: 0.017+/-0.000 χ^2/NDF : 4374302.4/60

- sign 0.018+/-0.000 χ^2/NDF : 1915573.0/30

yield_sam7_mean vs Slug



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.635 $\pm$ 0.000 χ^2 /NDF: 11622742037.1/12

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

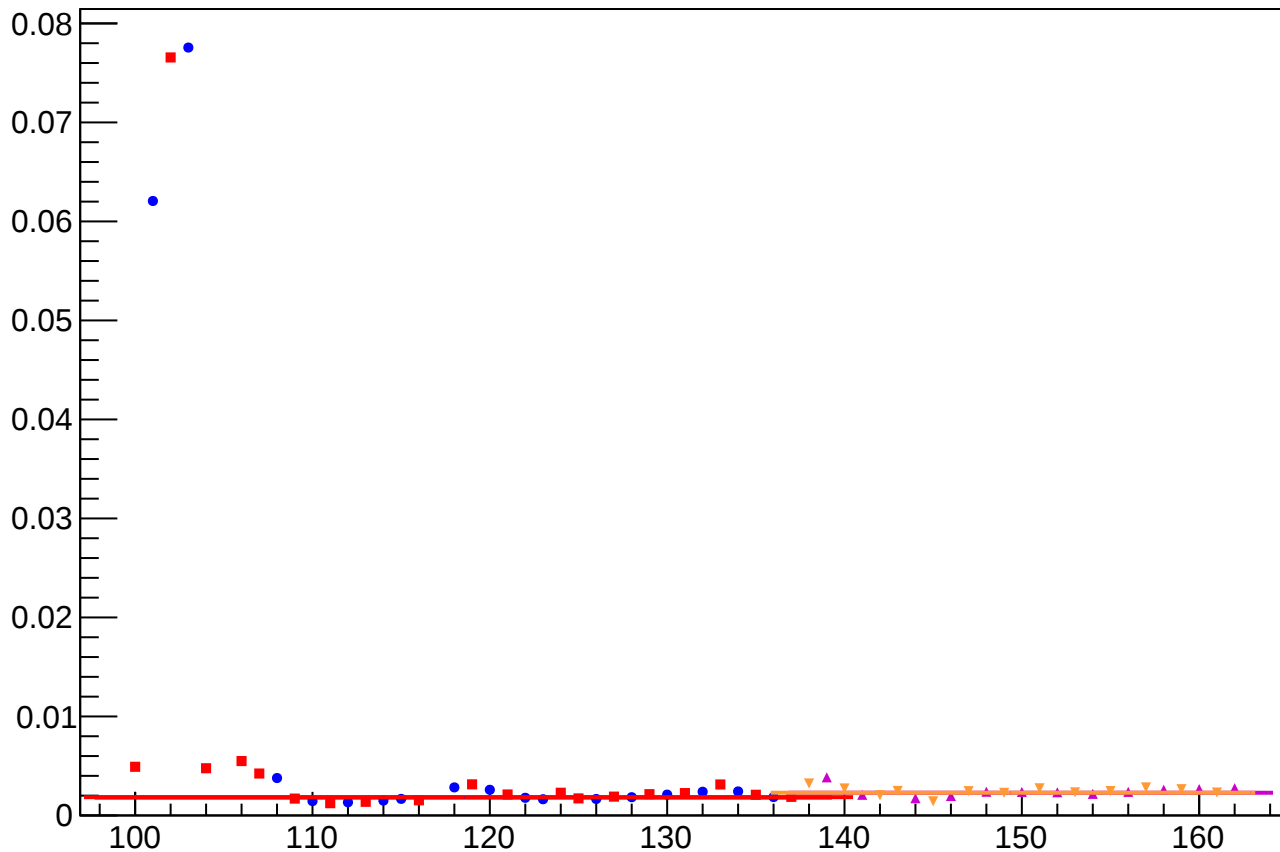
Left In: 2.617 $\pm$ 0.000 χ^2 /NDF: 3903965488.8/11

+ sign 2.650 $\pm$ 0.000 χ^2 /NDF: 175447162261.9/29

All: 2.645 $\pm$ 0.000 χ^2 /NDF: 251454824890.2

- sign 2.640 $\pm$ 0.000 χ^2 /NDF: 75853481625.0/30

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:693285.2/12

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2331228.4/18

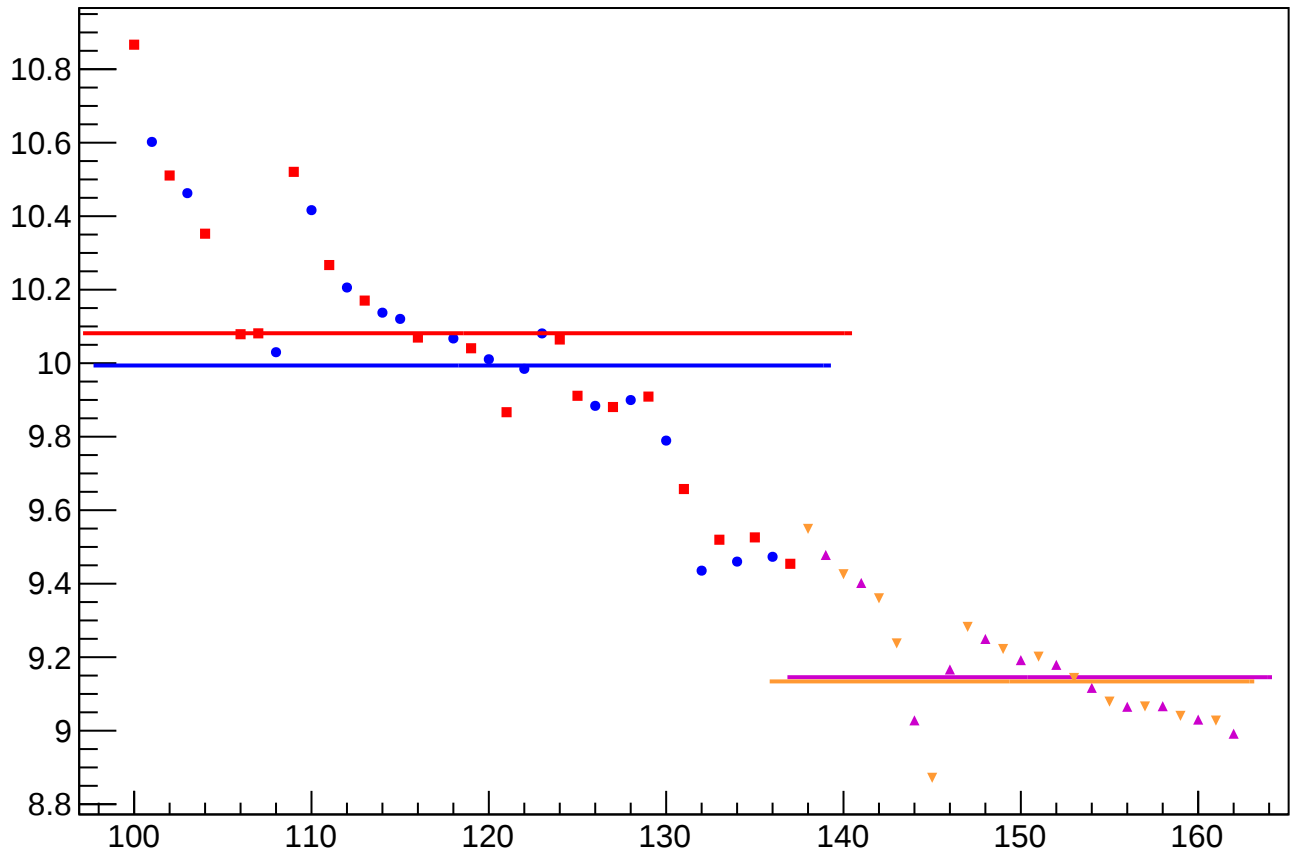
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:502653.3/11

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3679178.2/29

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6804969.3/60

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3125569.7/30

yield_sam8_mean vs Slug



Right In: 9.994 ± 0.000 $\chi^2/\text{NDF}: 18815741664.6/16$

Left Out: 9.134 ± 0.000 $\chi^2/\text{NDF}: 5297403066.6/12$

Right Out: 10.082 ± 0.000 $\chi^2/\text{NDF}: 15502695798.7/18$

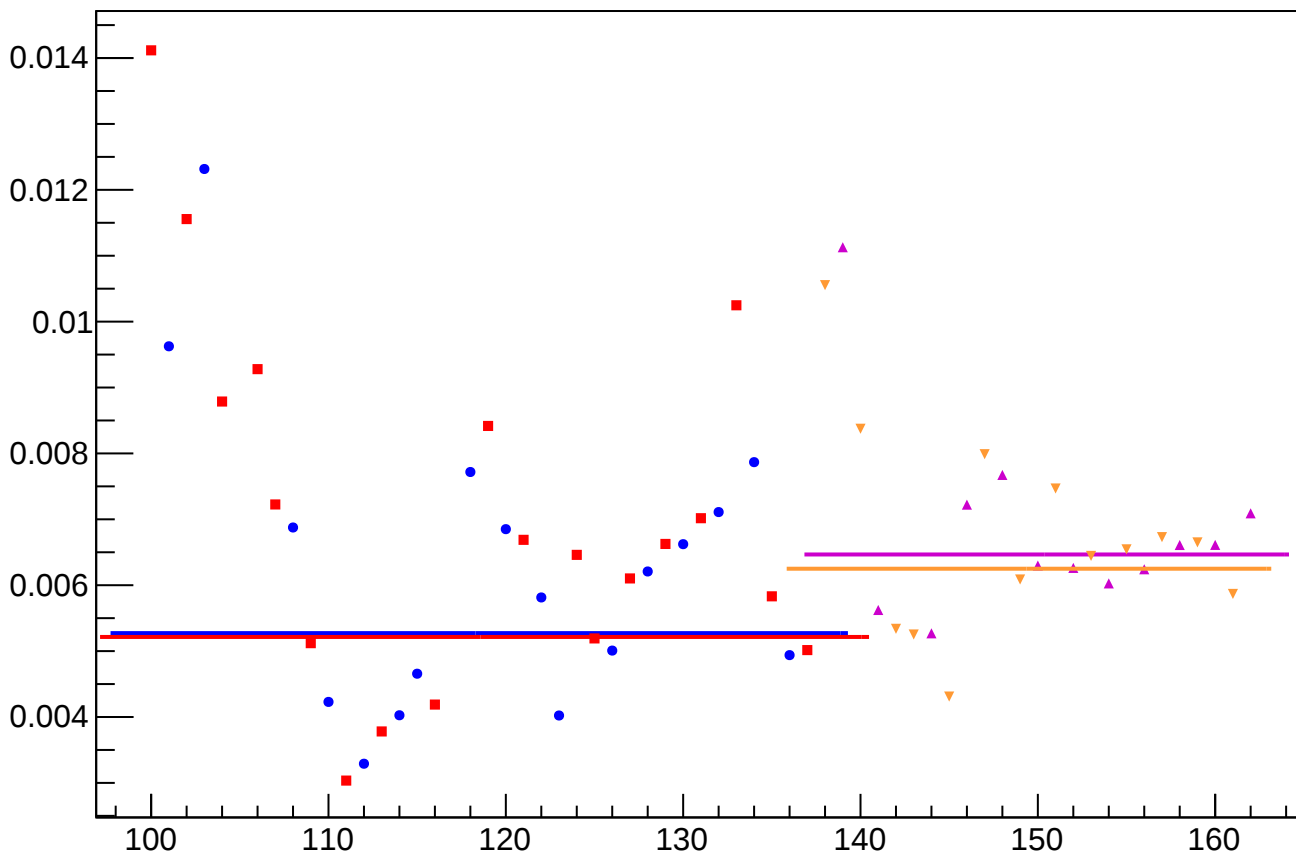
Left In: 9.146 ± 0.000 $\chi^2/\text{NDF}: 3041230061.1/11$

+ sign 9.547 ± 0.000 $\chi^2/\text{NDF}: 93581682980.1/29$

All: 9.583 ± 0.000 $\chi^2/\text{NDF}: 196466358726.7$

- sign 9.618 ± 0.000 $\chi^2/\text{NDF}: 101926624266.0/30$

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: 673268.1/12

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1657948.7/18

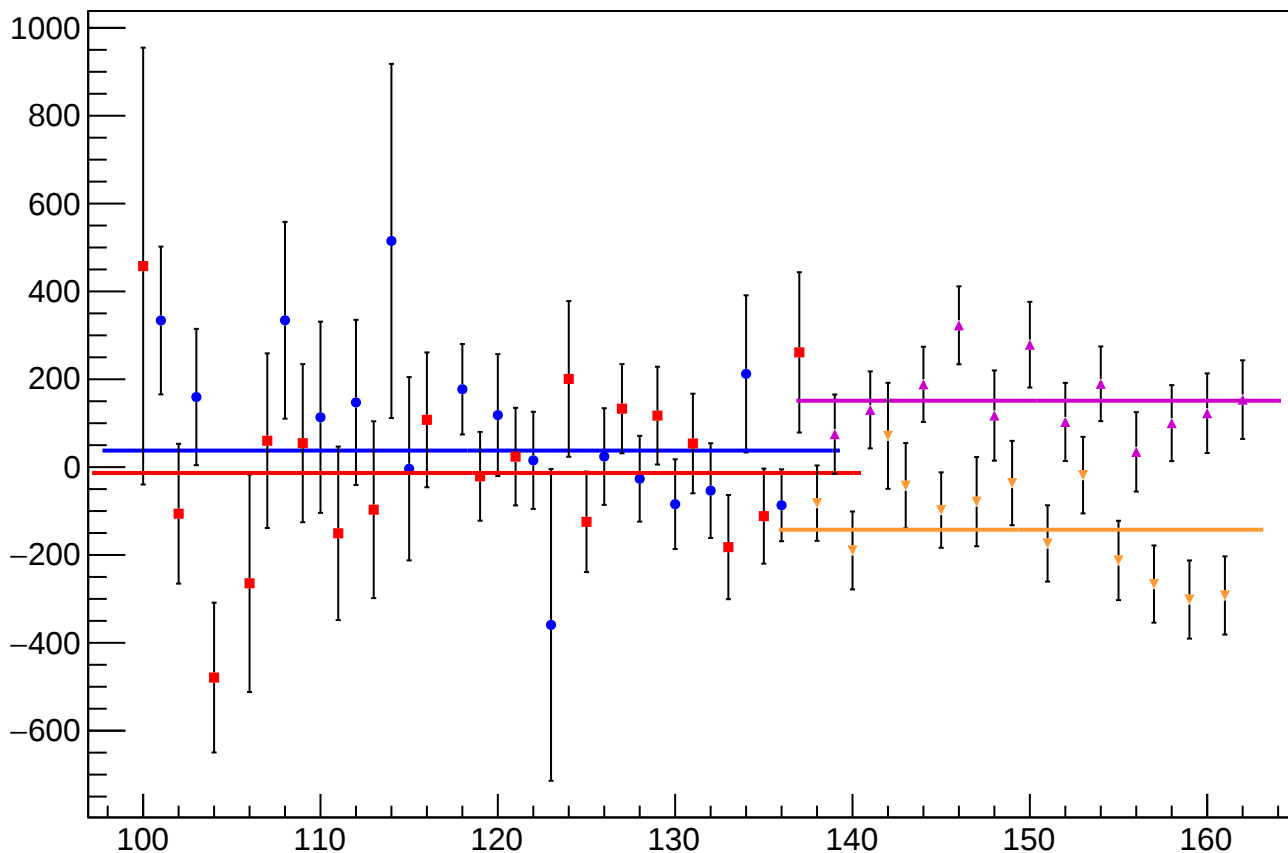
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 401826.0/11

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2098395.7/29

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4457492.3/60

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2358004.6/30

reg_asym_sam1_mean vs Slug



Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$

Left Out: -142.506 ± 25.425 $\chi^2/\text{NDF}: 17.6/12$

Right Out: -13.278 ± 32.066 $\chi^2/\text{NDF}: 22.7/18$

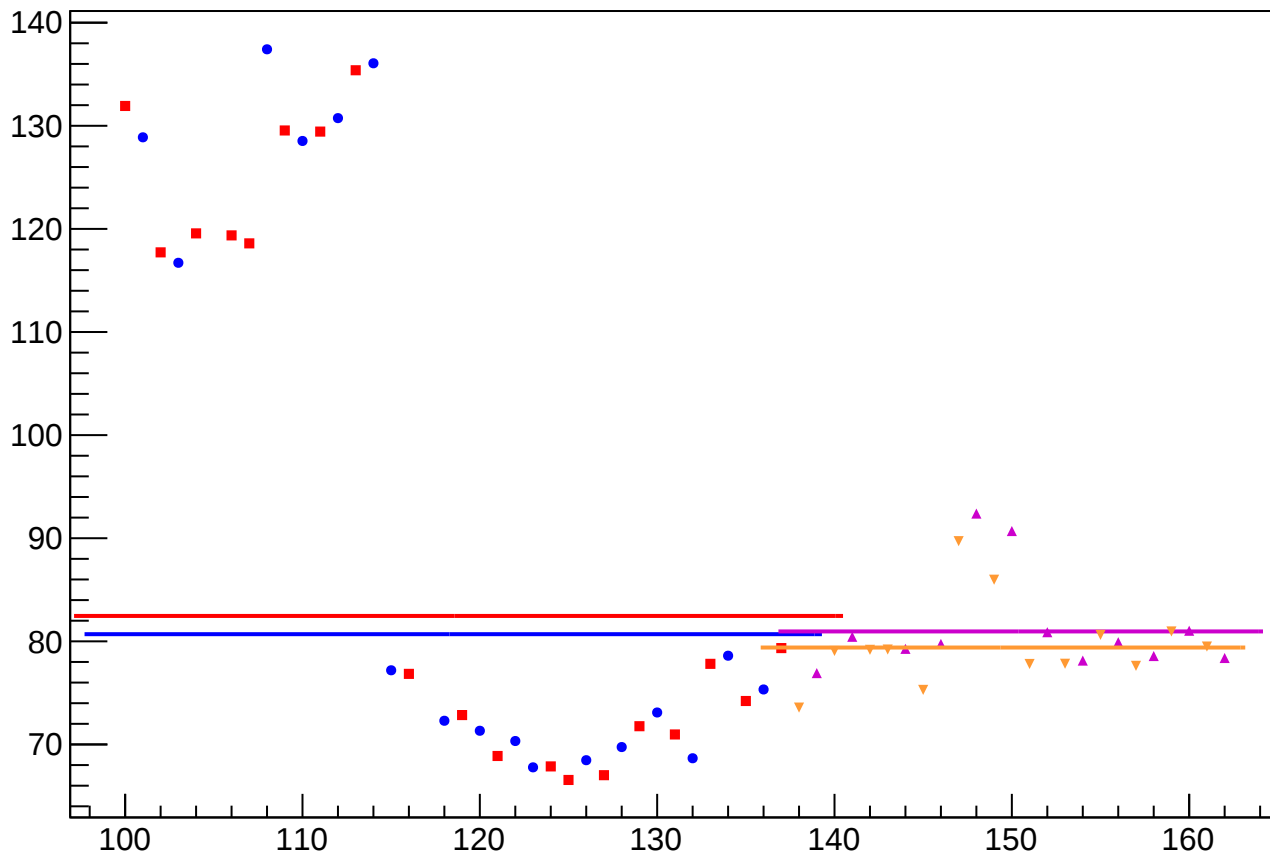
Left In: 151.208 ± 25.965 $\chi^2/\text{NDF}: 9.1/11$

+ sign -73.445 ± 19.967 $\chi^2/\text{NDF}: 53.6/29$

All: 5.470 ± 14.193 $\chi^2/\text{NDF}: 132.9/60$

- sign 86.071 ± 20.179 $\chi^2/\text{NDF}: 47.7/30$

reg_asym_sam1_rms vs Slug



Right In: 80.694 ± 0.023 χ^2/NDF : 814026.4/16

Left Out: 79.400 ± 0.018 χ^2/NDF : 46988.8/12

Right Out: 82.464 ± 0.023 χ^2/NDF : 914878.0/18

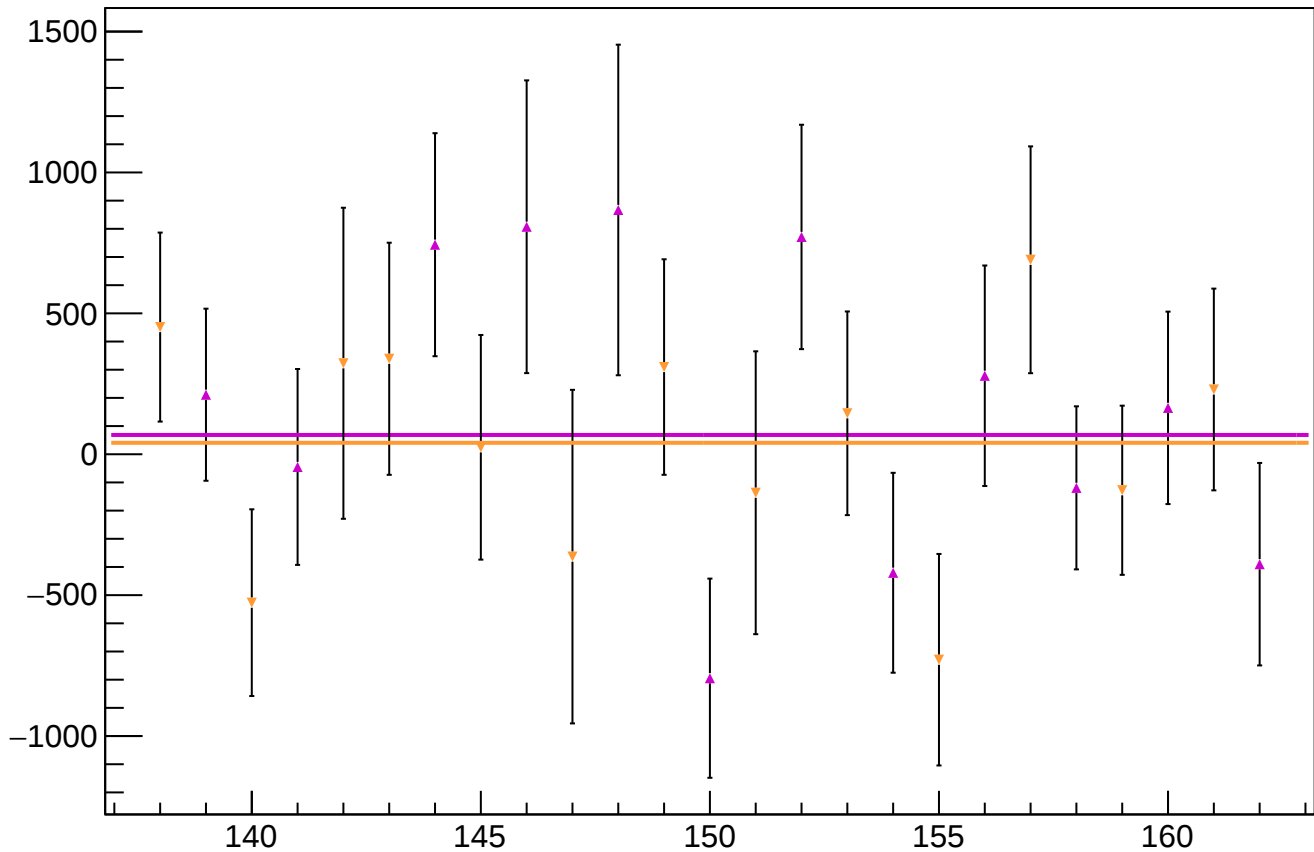
Left In: 80.961 ± 0.018 χ^2/NDF : 55592.0/11

+ sign 79.896 ± 0.014 χ^2/NDF : 863002.7/29

All: 80.717 ± 0.010 χ^2/NDF : 1842966.1/60

- sign 81.556 ± 0.014 χ^2/NDF : 973123.2/30

asym_sam1_correction_mean vs Slug



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

Left Out: 40.666 $\pm$ 107.227 χ^2 /NDF:13.8/12

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

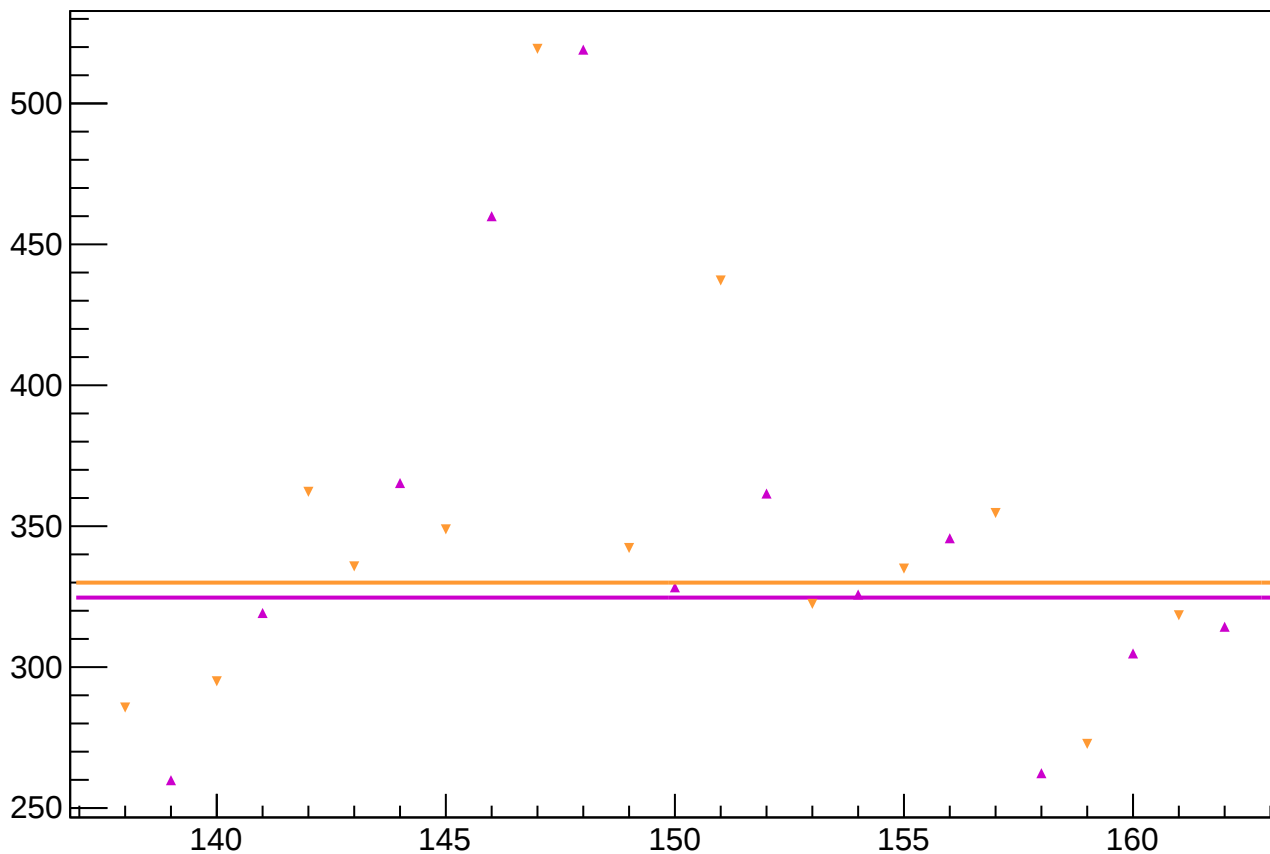
Left In: 68.463 $\pm$ 105.956 χ^2 /NDF:20.5/11

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

All: 54.730 $\pm$ 75.368 χ^2 /NDF: 34.3/24

- 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: 329.984+/-0.076 χ^2/NDF : 450578.7/12

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

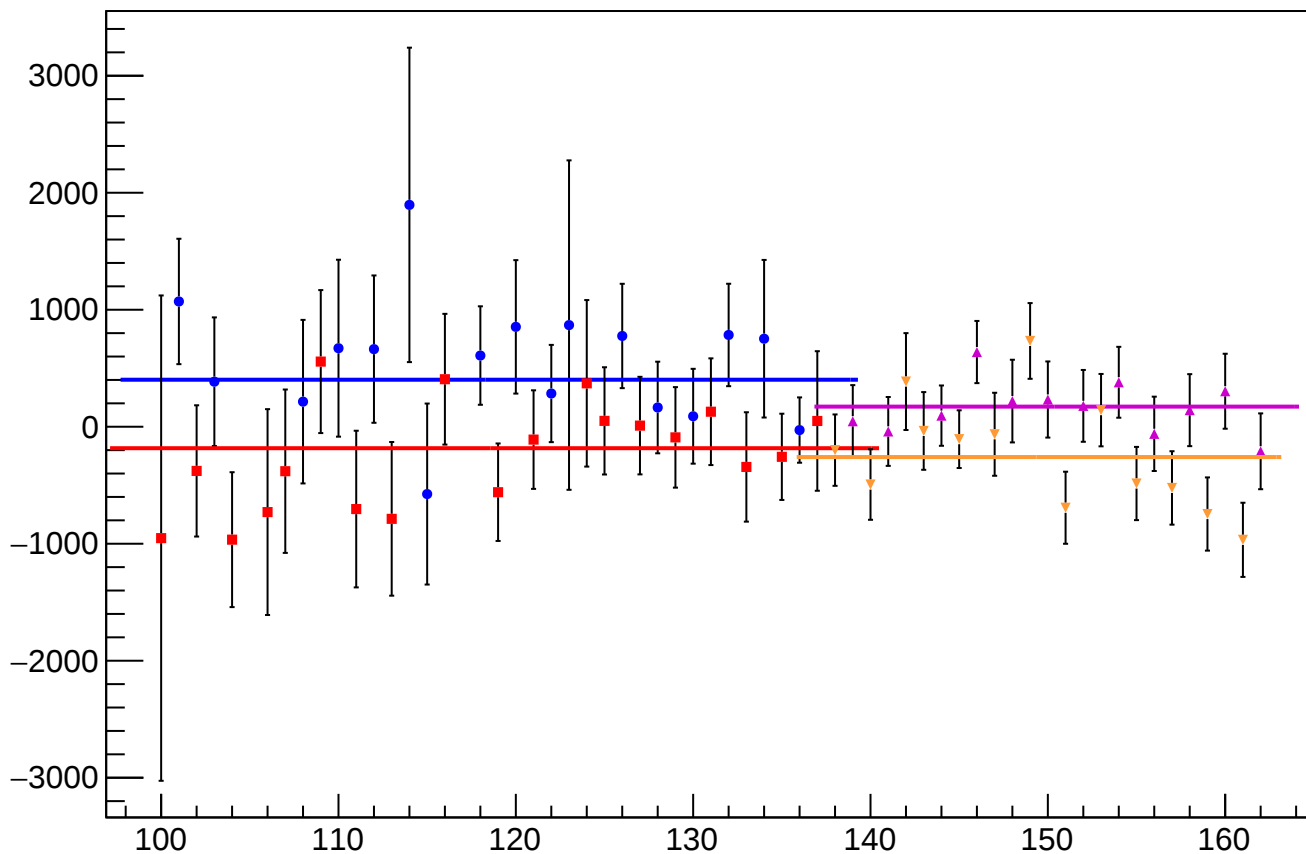
Left In: 324.669+/-0.075 χ^2/NDF : 591499.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 327.295+/-0.053 χ^2/NDF : 1044564.9/24

- 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: -259.116 $\pm$ 87.000 χ^2 /NDF: 25.9/12

Right Out: -183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

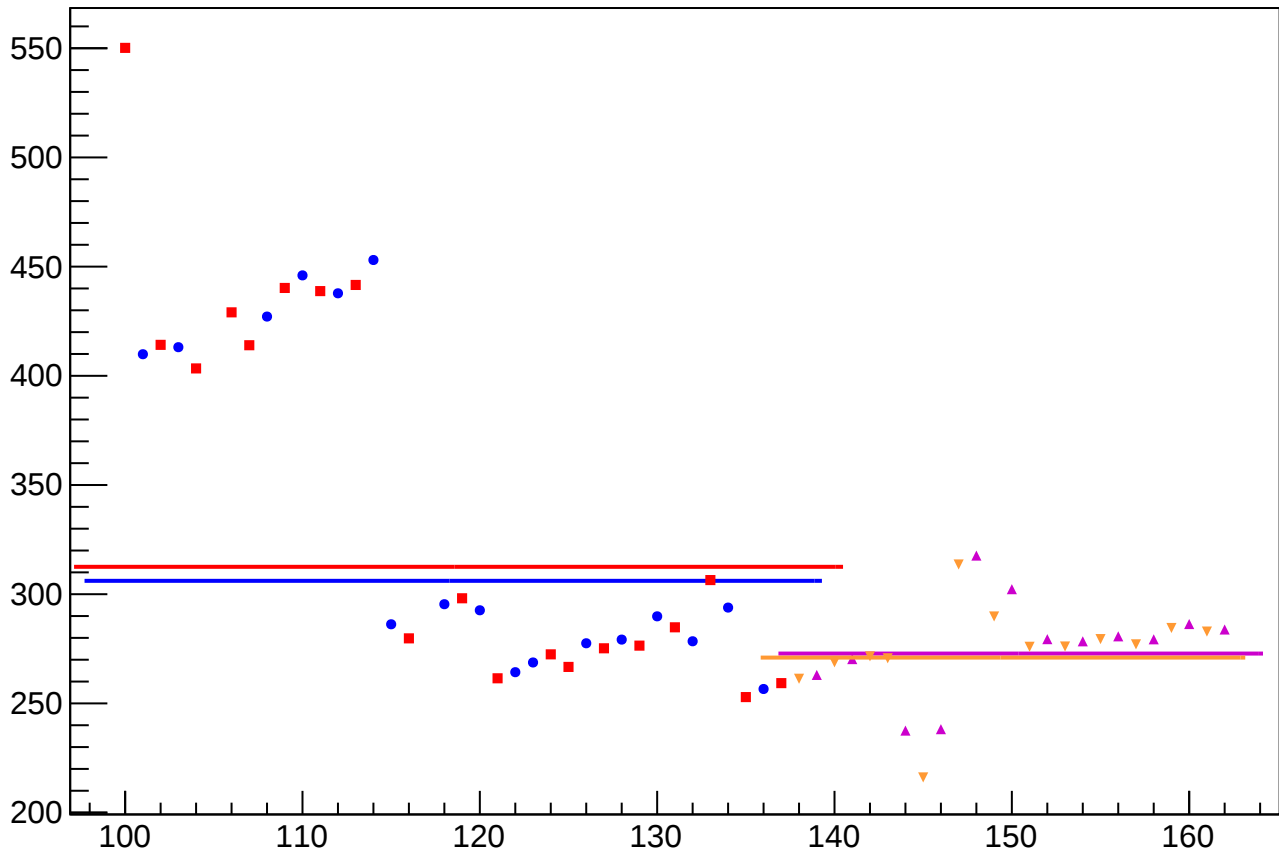
Left In: 171.911 $\pm$ 87.722 χ^2 /NDF: 6.5/11

+ sign -33.974 $\pm$ 70.646 χ^2 /NDF: 56.5/29

All: 7.168 $\pm$ 50.039 χ^2 /NDF: 78.7/60

- sign 48.590 $\pm$ 70.887 χ^2 /NDF: 21.5/30

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 270.976+/-0.062 χ^2/NDF : 146608.2/12

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

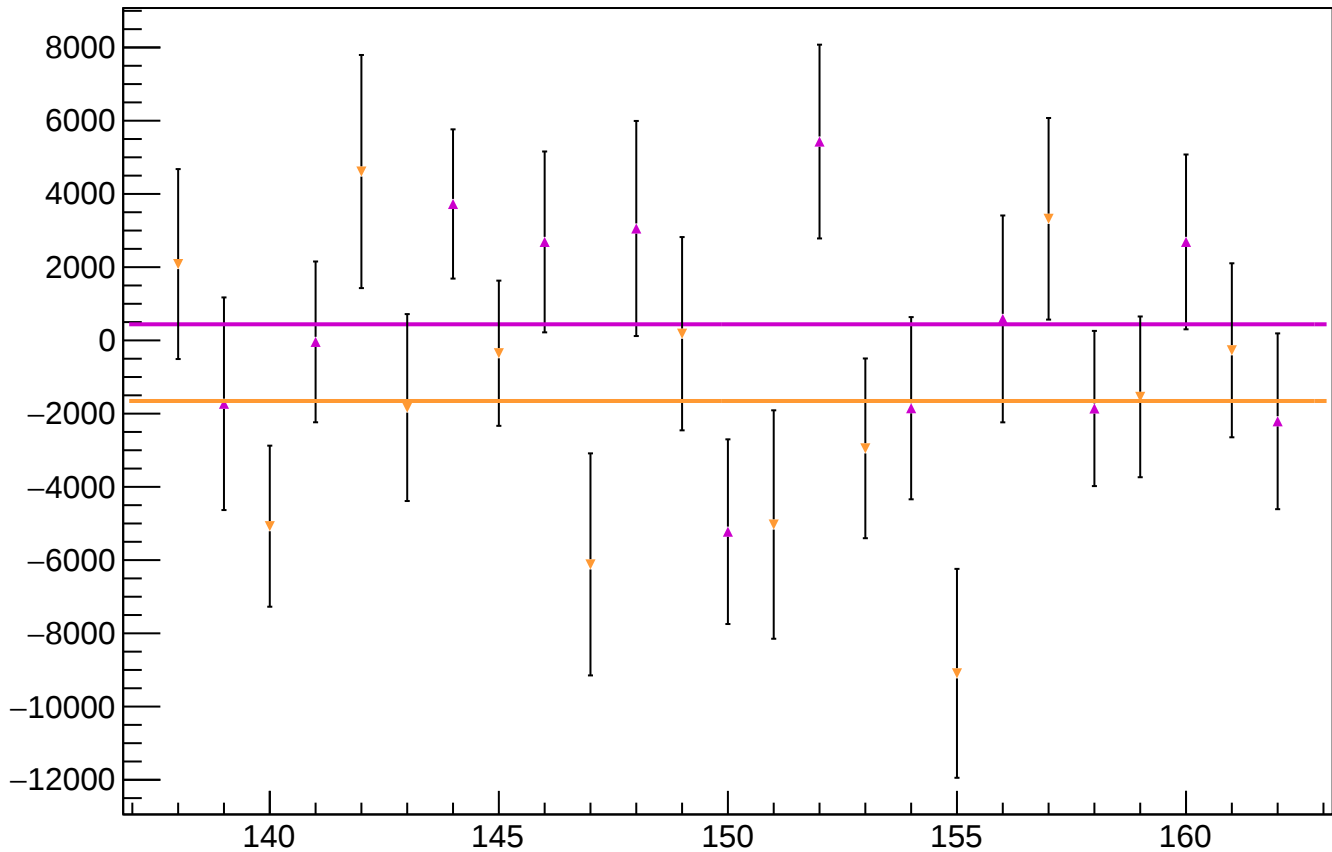
Left In: 272.819+/-0.062 χ^2/NDF : 131855.0/11

+ sign 282.947+/-0.050 χ^2/NDF : 766231.7/29

All: 284.769+/-0.035 χ^2/NDF : 1668835.4/60

- sign 286.603+/-0.050 χ^2/NDF : 899935.4/30

asym_sam2_correction_mean vs Slug



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

Left Out: -1654.658+/-703.165 χ^2/NDF : 23.3/12

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

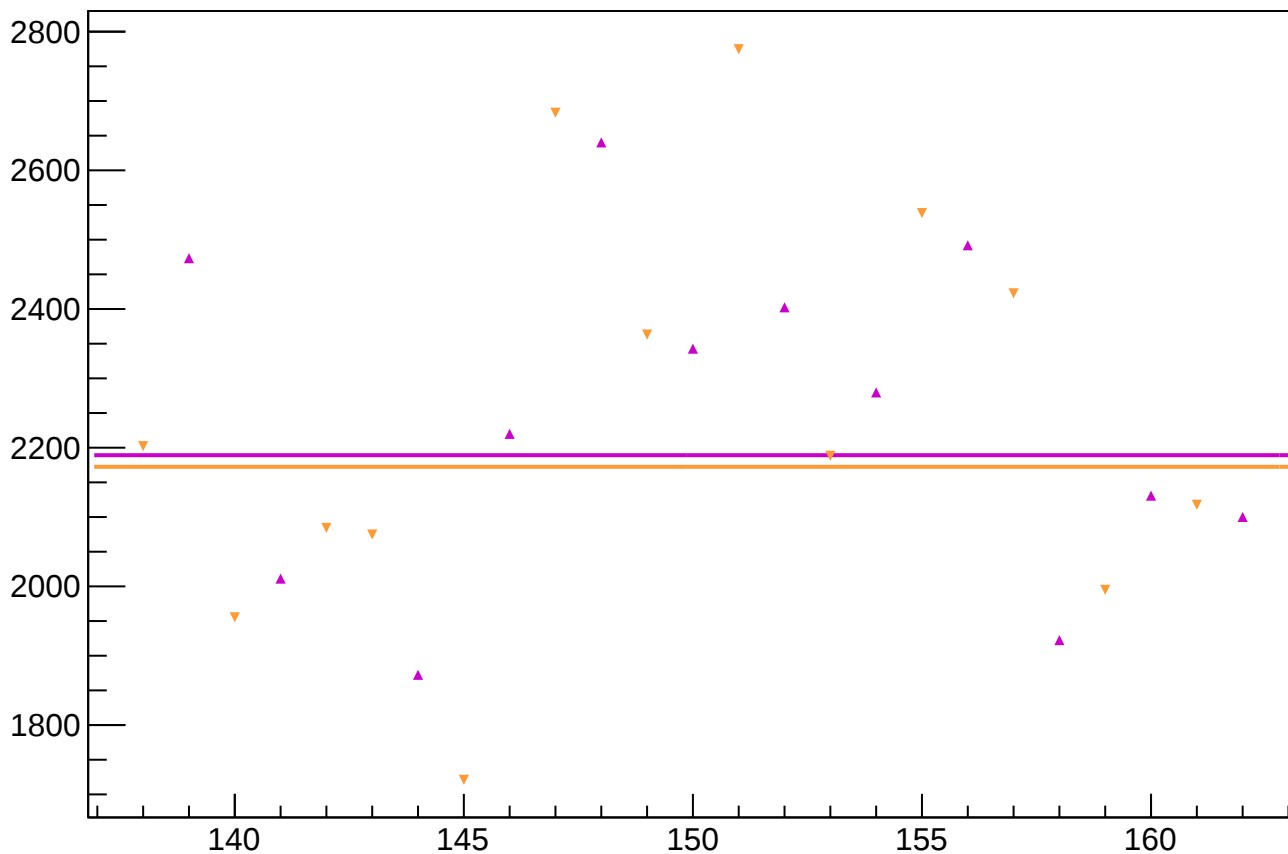
Left In: 439.891+/-706.166 χ^2/NDF : 17.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -611.843+/-498.270 χ^2/NDF : 45.3/24

- 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: 2172.422+/-0.497 χ^2/NDF : 333210.9/12

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

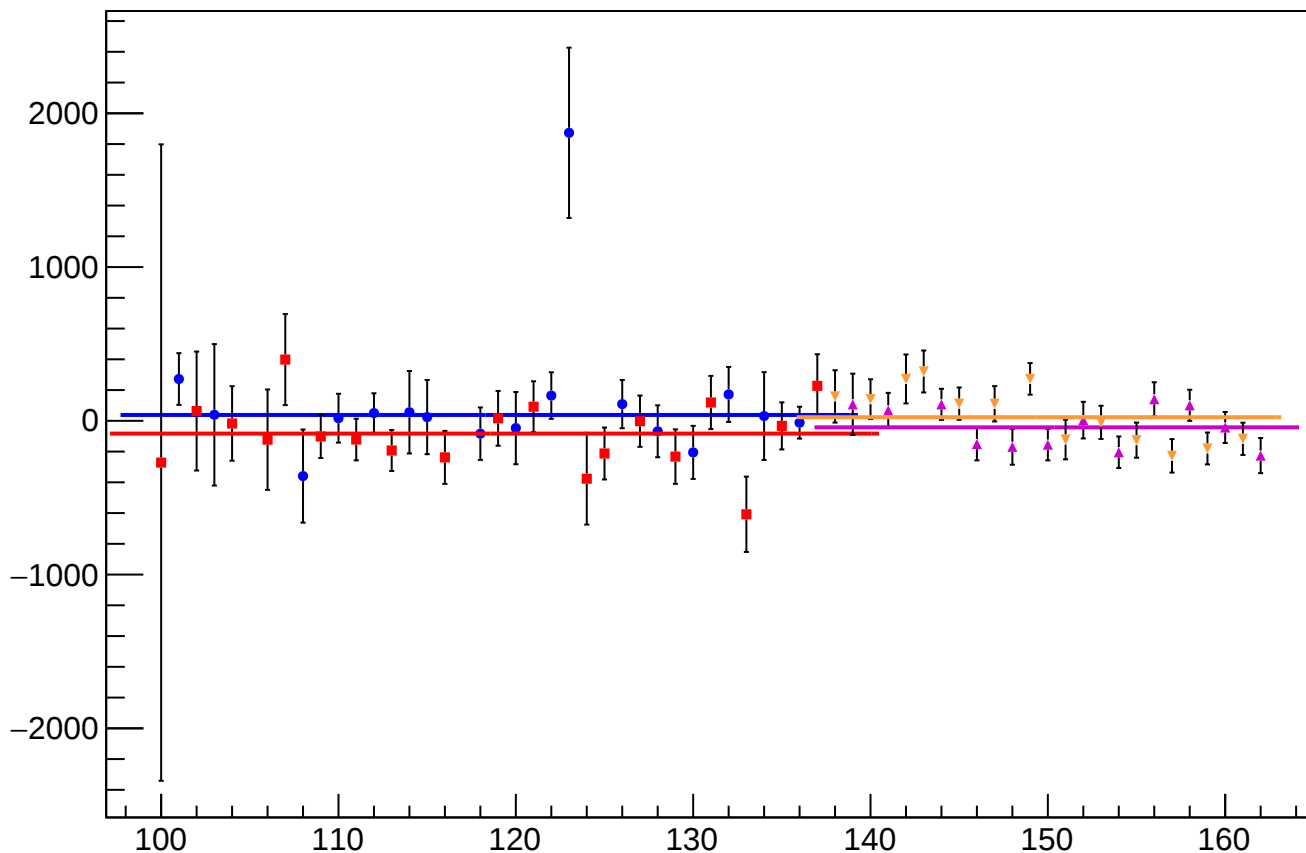
Left In: 2189.188+/-0.499 χ^2/NDF : 209750.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2180.769+/-0.352 χ^2/NDF : 543527.2/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 23.419+/-32.637 χ^2/NDF : 29.8/12

Right Out: -83.101+/-43.098 χ^2/NDF : 16.7/18

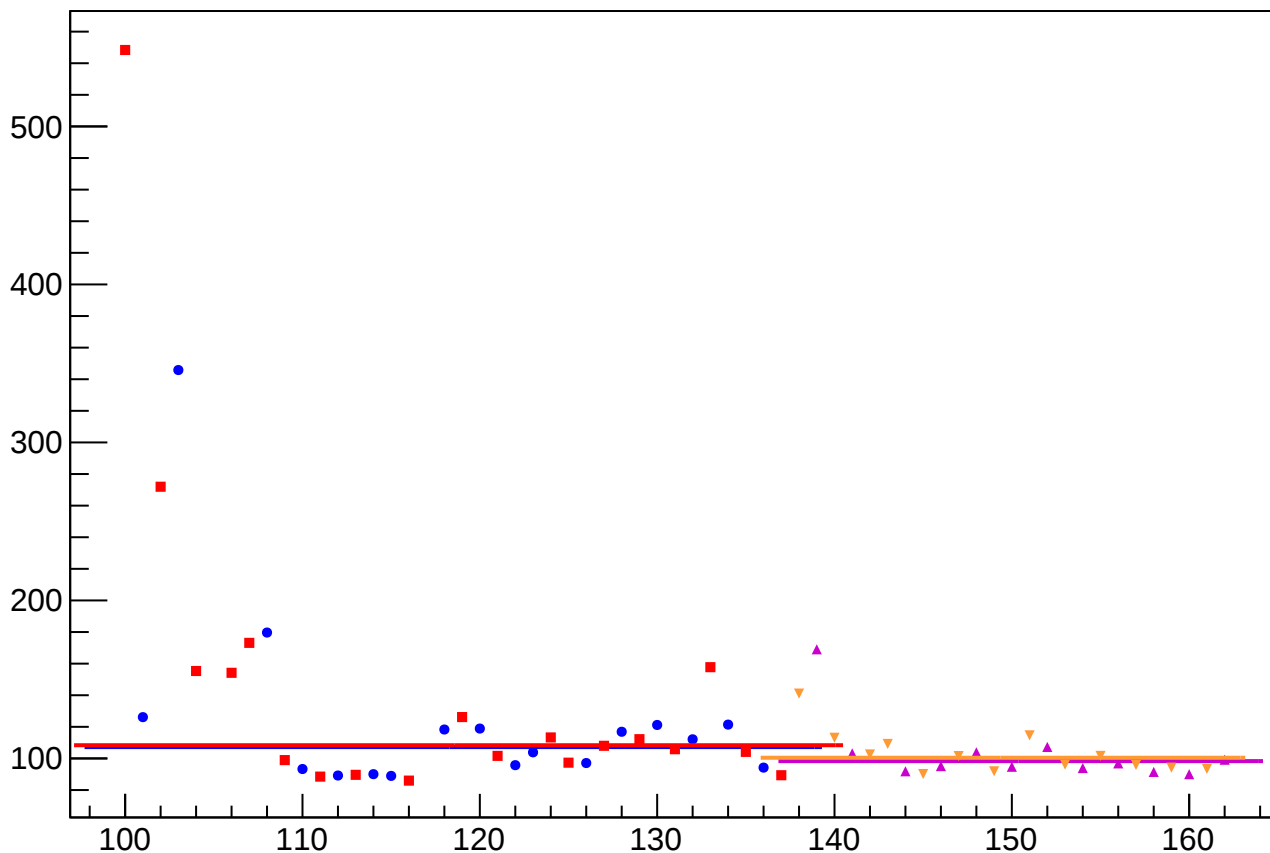
Left In: -42.461+/-31.976 χ^2/NDF : 17.1/11

+ sign 28.709+/-26.116 χ^2/NDF : 49.3/29

All: -14.812+/-18.311 χ^2/NDF : 89.2/60

- sign -56.890+/-25.680 χ^2/NDF : 34.4/30

reg_asym_sam3_rms vs Slug



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 100.442+/-0.023 χ^2/NDF : 222312.7/12

Right Out: 108.359+/-0.030 χ^2/NDF : 917287.7/18

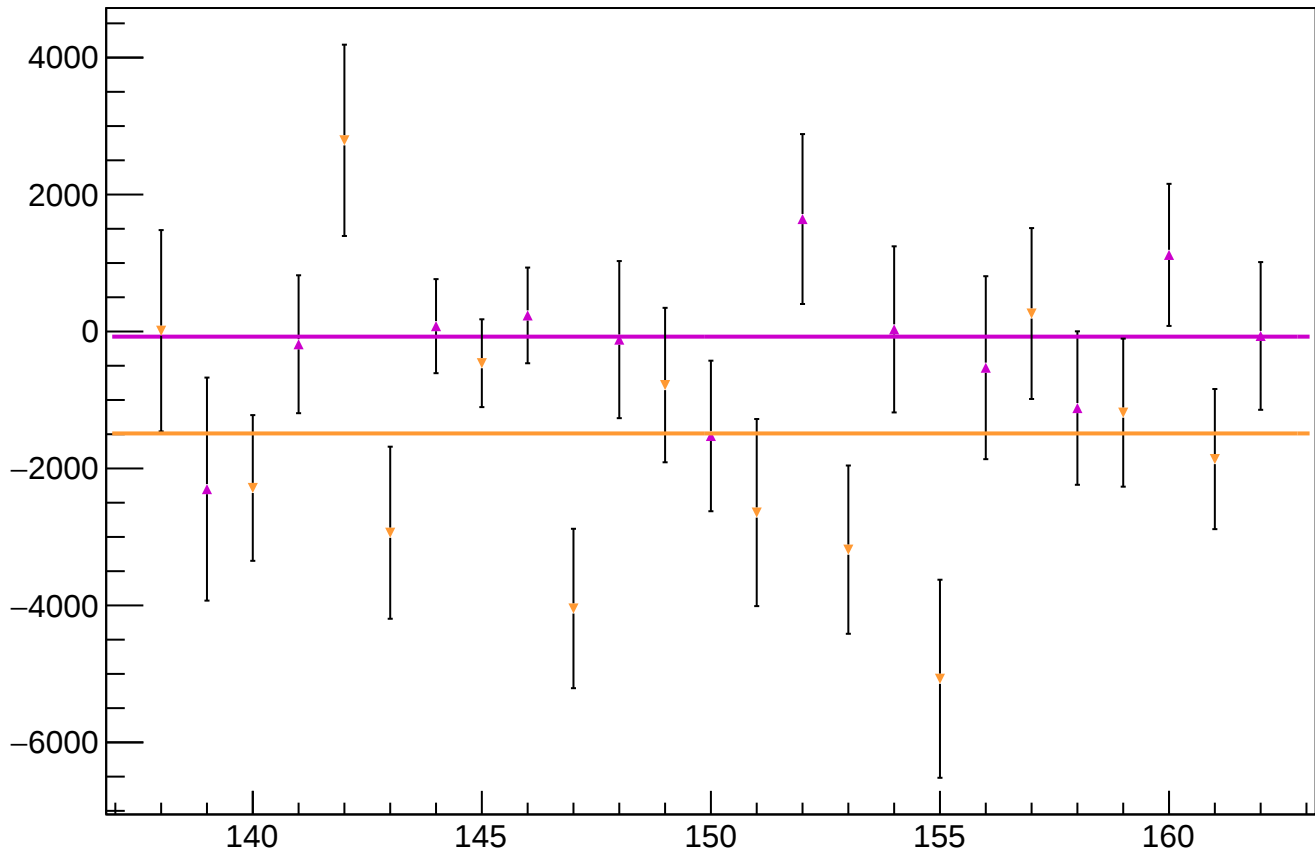
Left In: 98.308+/-0.023 χ^2/NDF : 310828.6/11

+ sign 102.869+/-0.018 χ^2/NDF : 1096164.5/29

All: 102.364+/-0.013 χ^2/NDF : 2395896.6/60

- sign 101.877+/-0.018 χ^2/NDF : 1298264.3/30

asym_sam3_correction_mean vs Slug



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

Left Out: -1488.526+/-307.455 χ^2/NDF :31.0/12

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

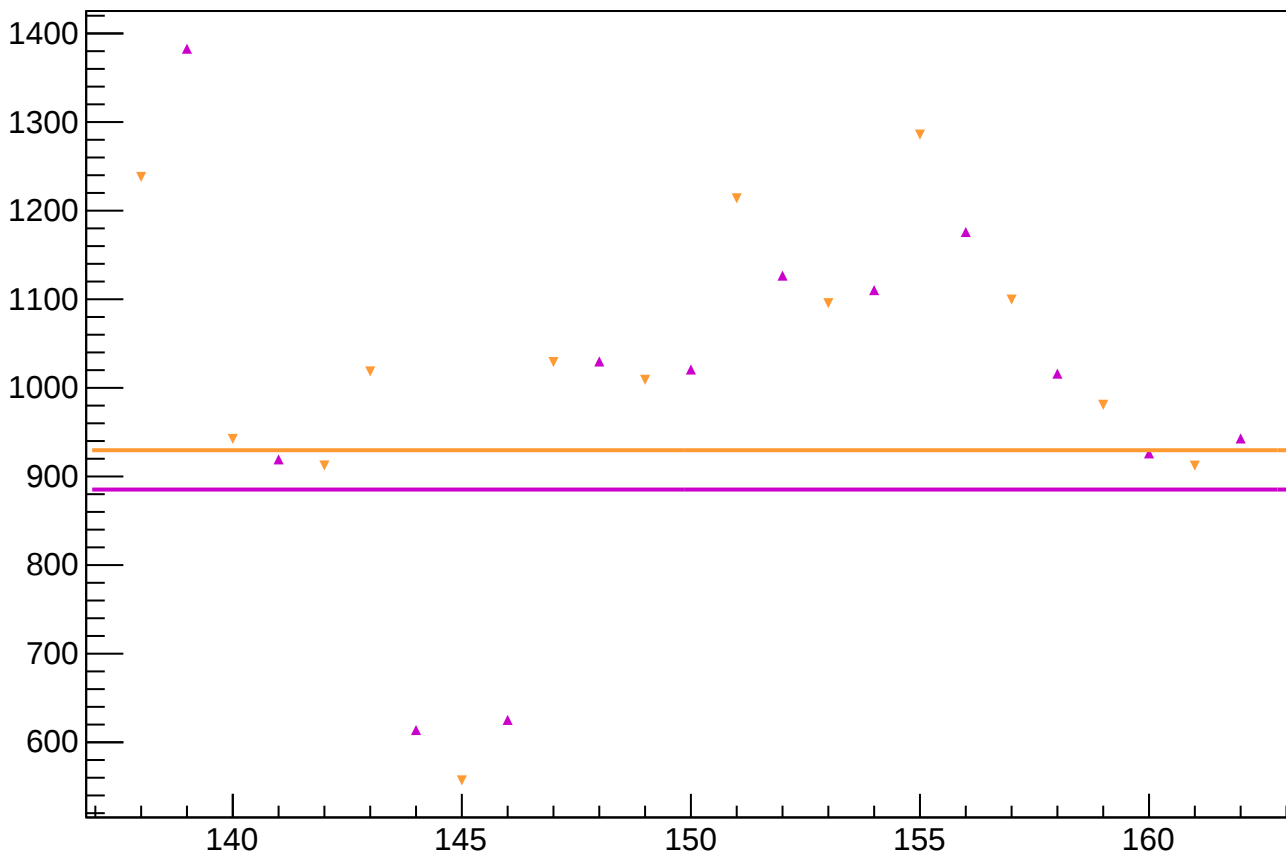
Left In: -75.060+/-293.693 χ^2/NDF :8.1/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -749.451+/-212.371 χ^2/NDF : 50.2/24

- 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: 929.622+/-0.217 χ^2/NDF :1085478.7/12

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

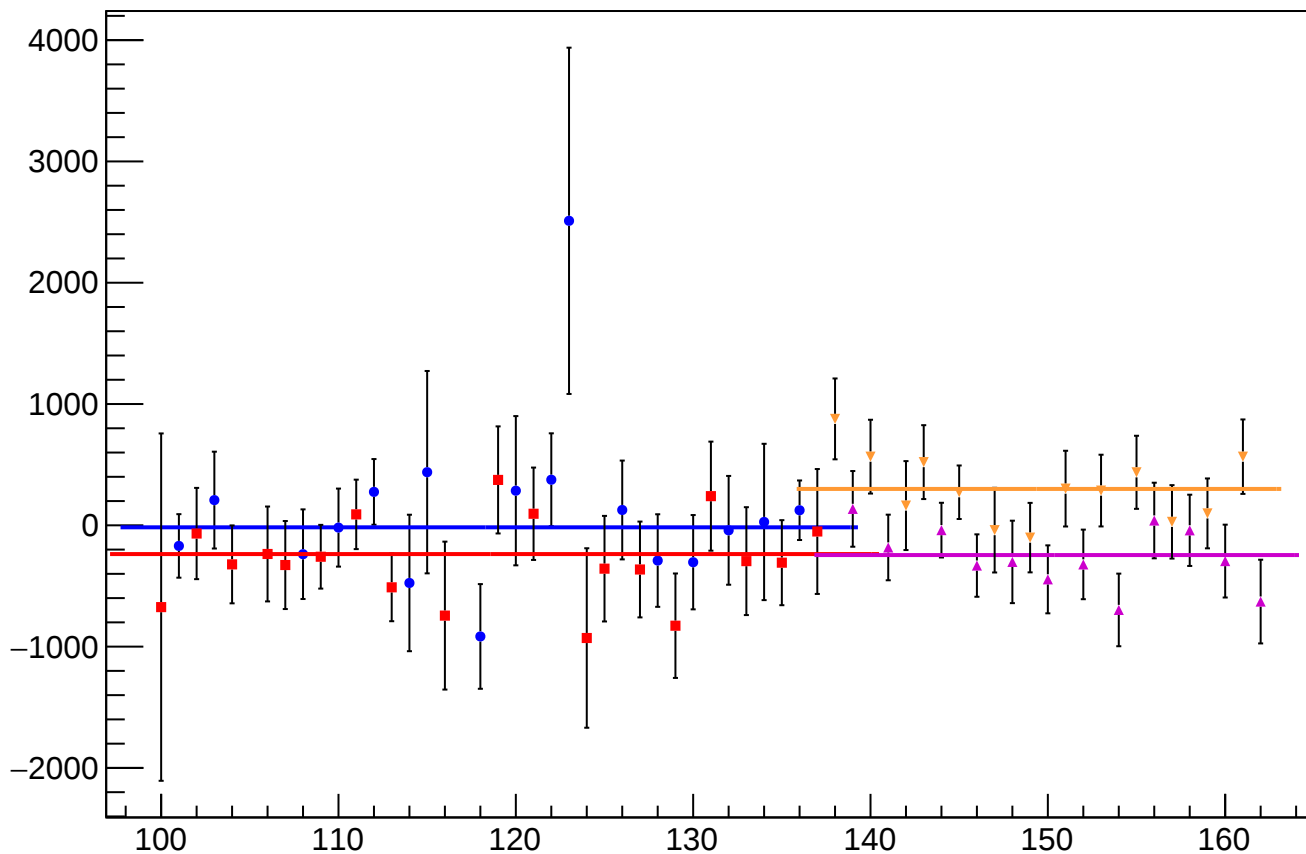
Left In: 885.243+/-0.208 χ^2/NDF :1115670.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 906.417+/-0.150 χ^2/NDF : 2222937.9/24

- 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: 300.061 ± 82.965 χ^2/NDF : 9.6/12

Right Out: -236.984 ± 88.937 χ^2/NDF : 10.3/18

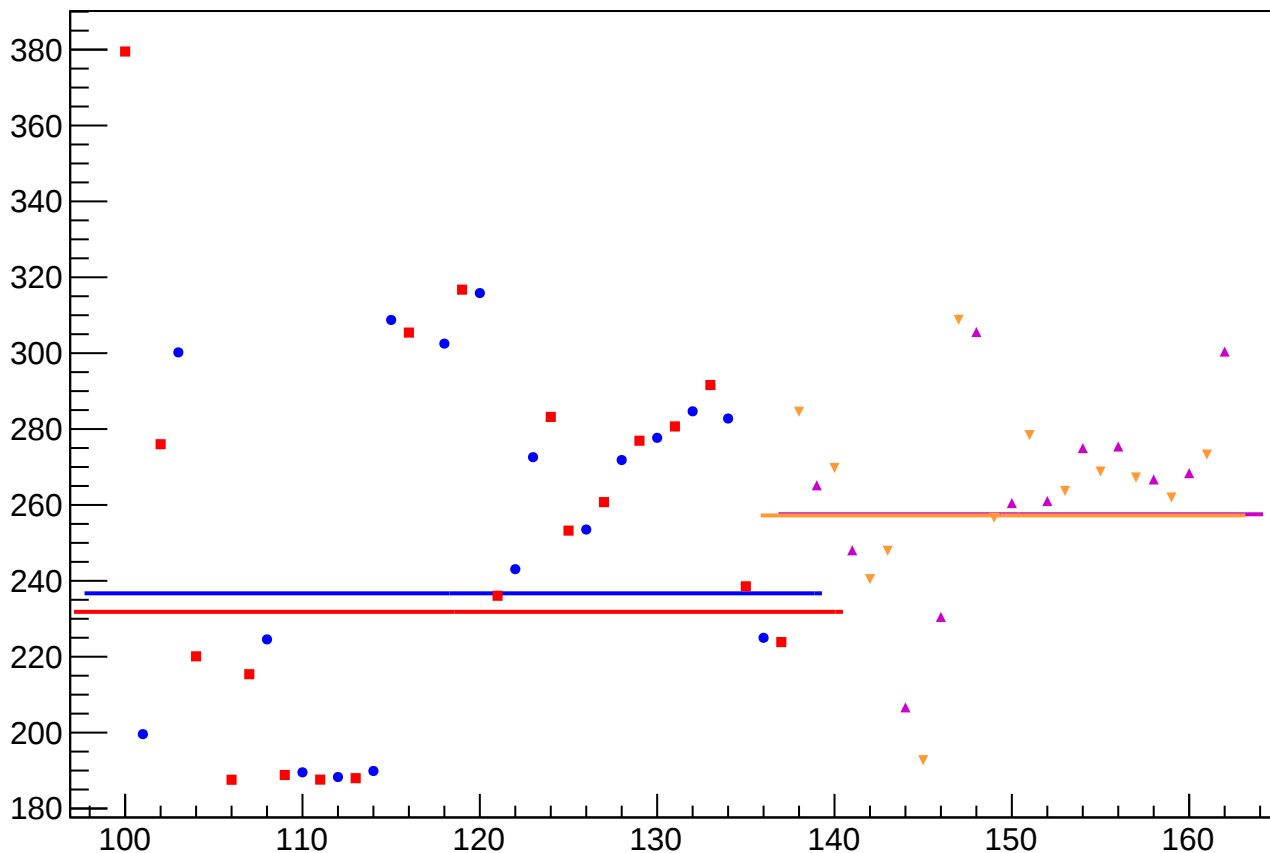
Left In: -245.126 ± 83.101 χ^2/NDF : 8.0/11

+ sign 160.269 ± 61.994 χ^2/NDF : 29.5/29

All: -44.700 ± 43.379 χ^2/NDF : 69.2/60

- sign -241.331 ± 60.720 χ^2/NDF : 18.3/30

reg_asym_sam4_rms vs Slug



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 257.241+/-0.059 χ^2/NDF : 258838.4/12

Right Out: 231.828+/-0.063 χ^2/NDF : 443276.3/18

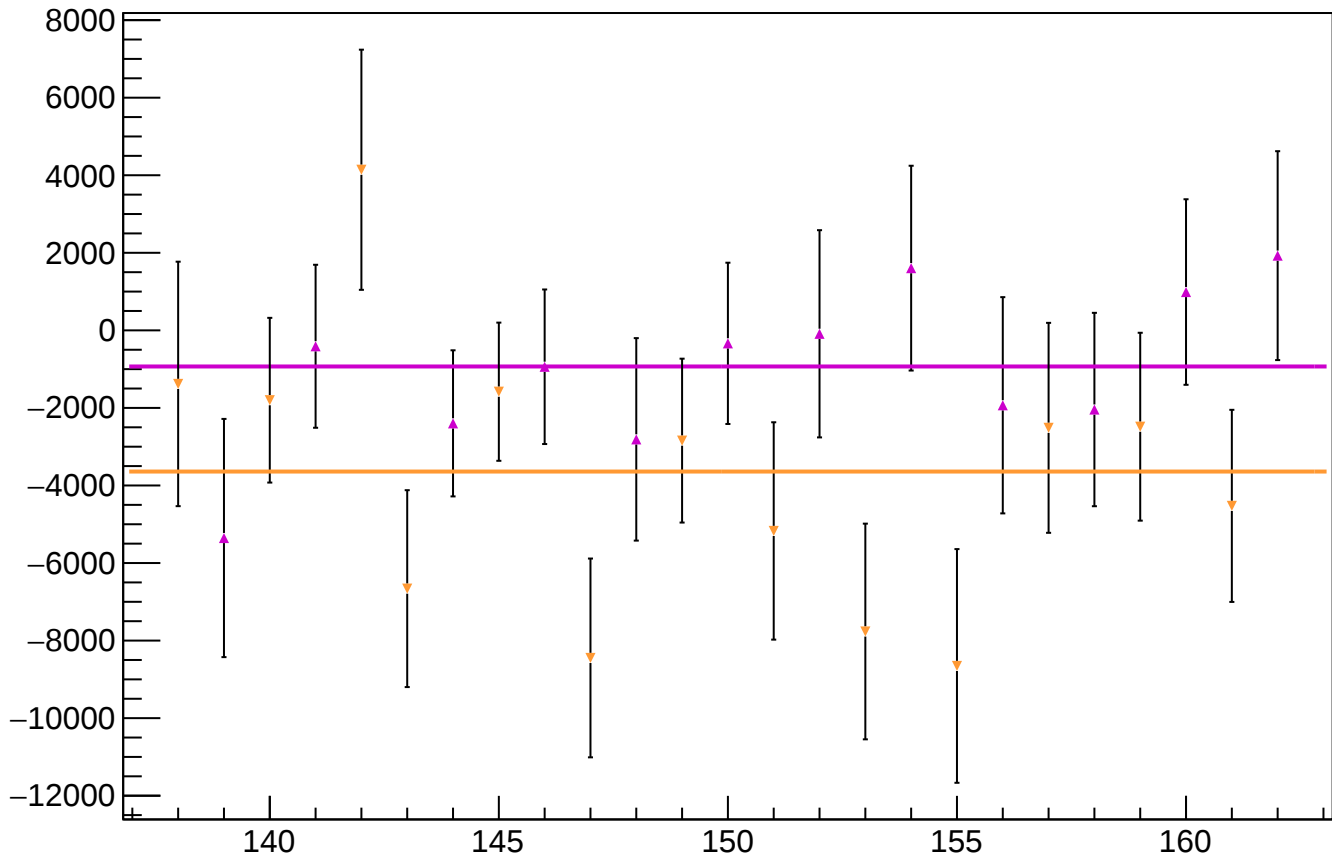
Left In: 257.542+/-0.059 χ^2/NDF : 216931.5/11

+ sign 248.172+/-0.044 χ^2/NDF : 703294.1/29

All: 246.837+/-0.031 χ^2/NDF : 1454577.4/60

- sign 245.557+/-0.043 χ^2/NDF : 749467.1/30

asym_sam4_correction_mean vs Slug



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

Left Out: -3640.718+/-688.492 χ^2/NDF : 19.8/12

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

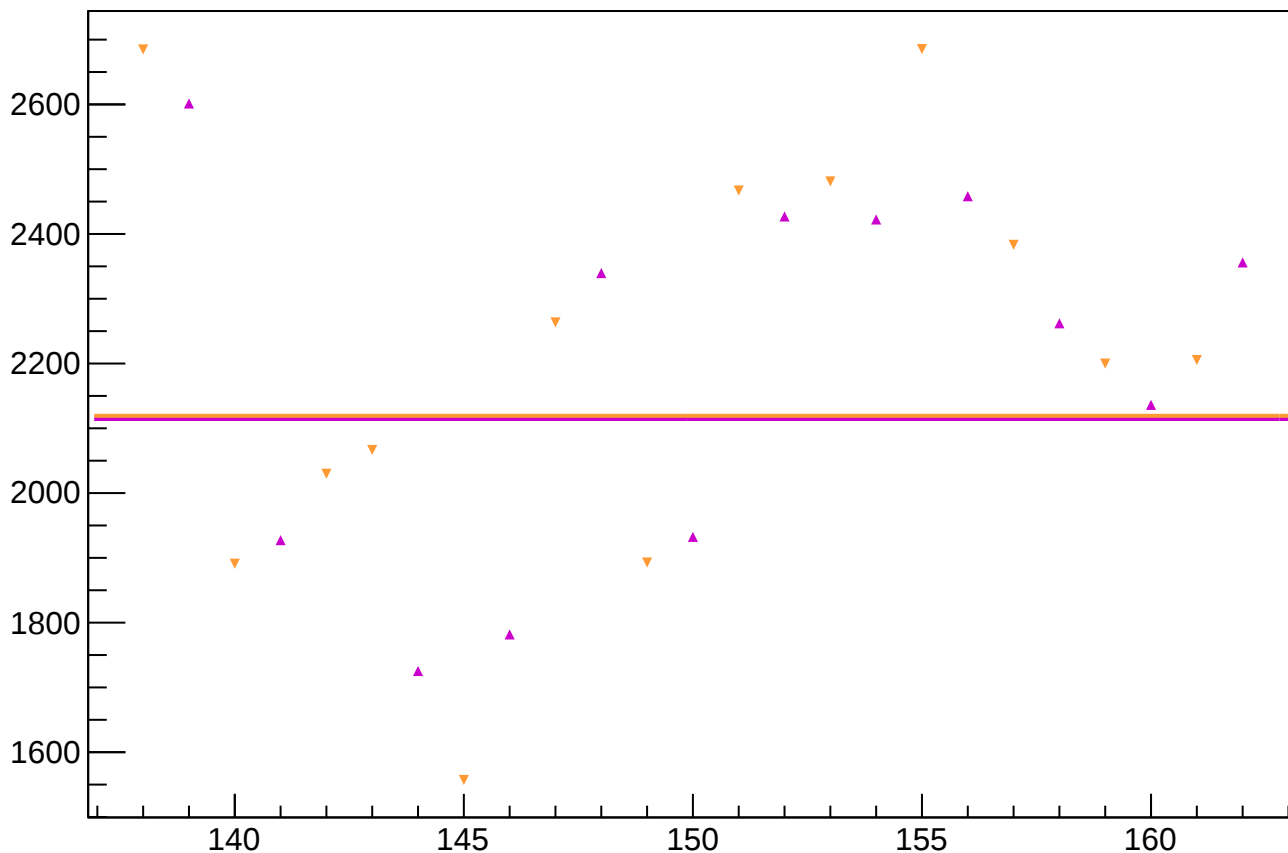
Left In: -931.331+/-685.251 χ^2/NDF : 6.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2279.631+/-485.687 χ^2/NDF : 34.0/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam4_correction_rms vs Slug



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

Left Out: 2119.337+/-0.487 χ^2/NDF : 477368.3/12

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

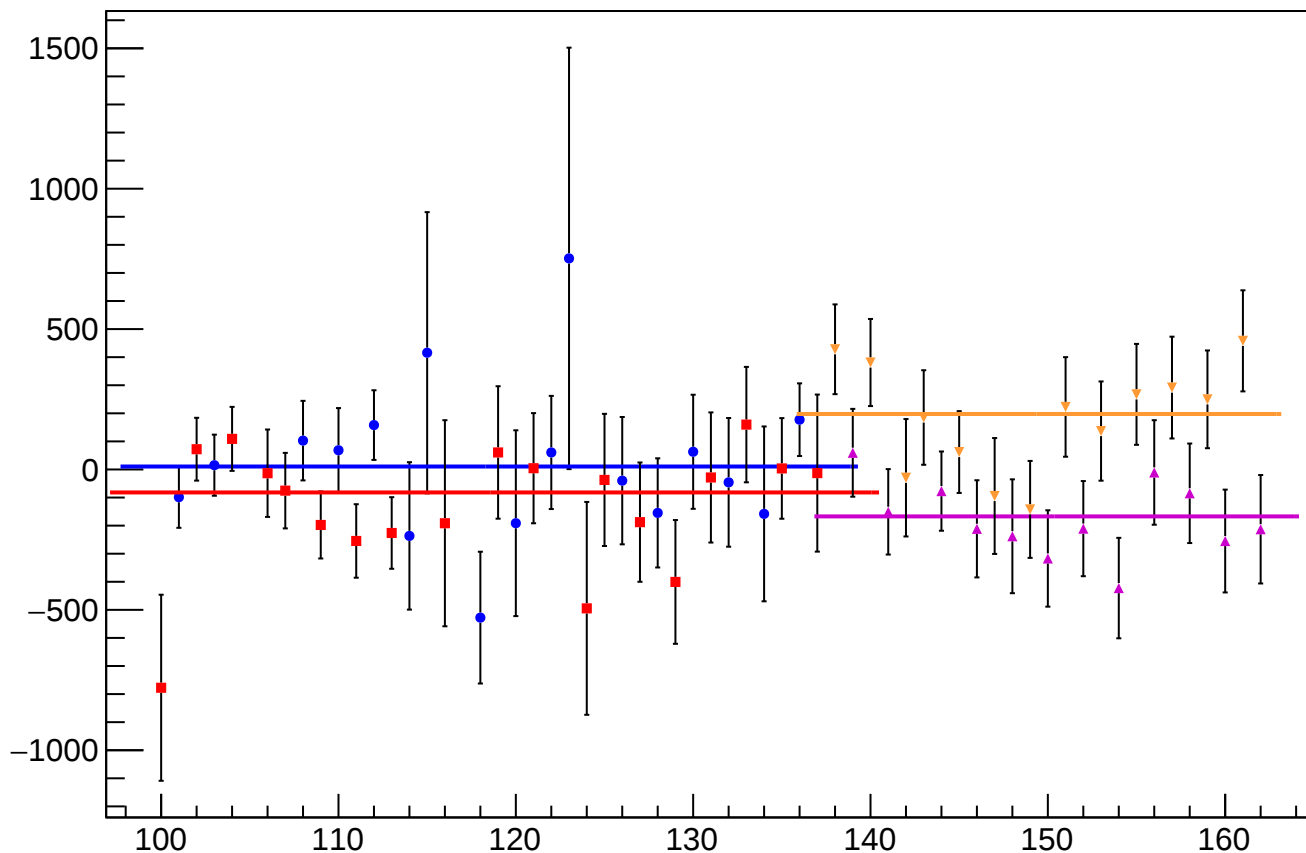
Left In: 2114.372+/-0.485 χ^2/NDF : 345652.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2116.843+/-0.343 χ^2/NDF : 823073.3/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_mean vs Slug



Right In: 10.530 $\pm$ 42.294 χ^2 /NDF: 14.1/16

Left Out: 197.602 $\pm$ 48.110 χ^2 /NDF:14.1/12

Right Out: -81.802 $\pm$ 38.985 χ^2 /NDF: 19.2/18

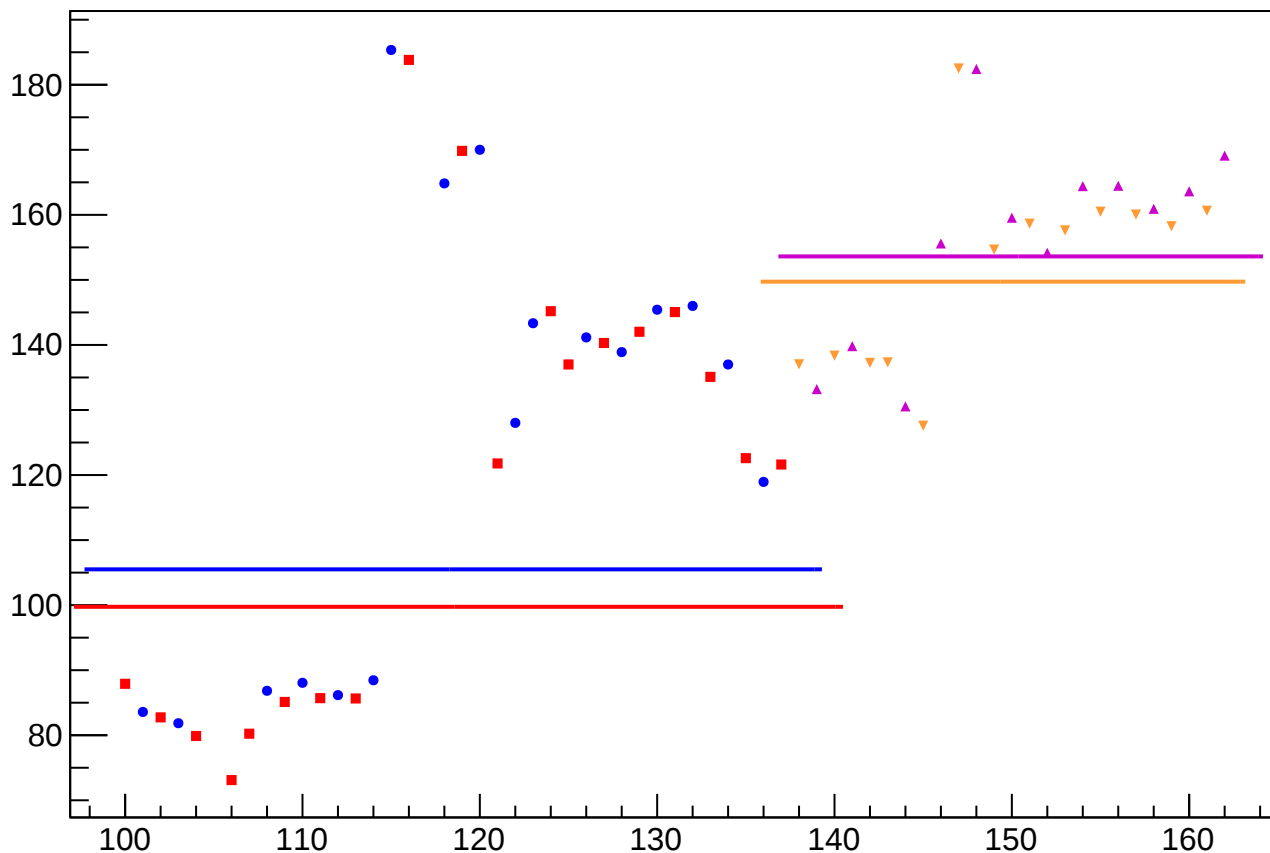
Left In: -167.160 $\pm$ 49.425 χ^2 /NDF:6.8/11

+ sign 92.080 $\pm$ 31.765 χ^2 /NDF: 36.7/29

All: -15.058 $\pm$ 22.041 χ^2 /NDF: 86.5/60

- sign -114.540 $\pm$ 30.609 χ^2 /NDF: 27.8/30

reg_asym_sam5_rms vs Slug



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 149.732 $\pm$ 0.034 χ^2 /NDF: 174474.3/12

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

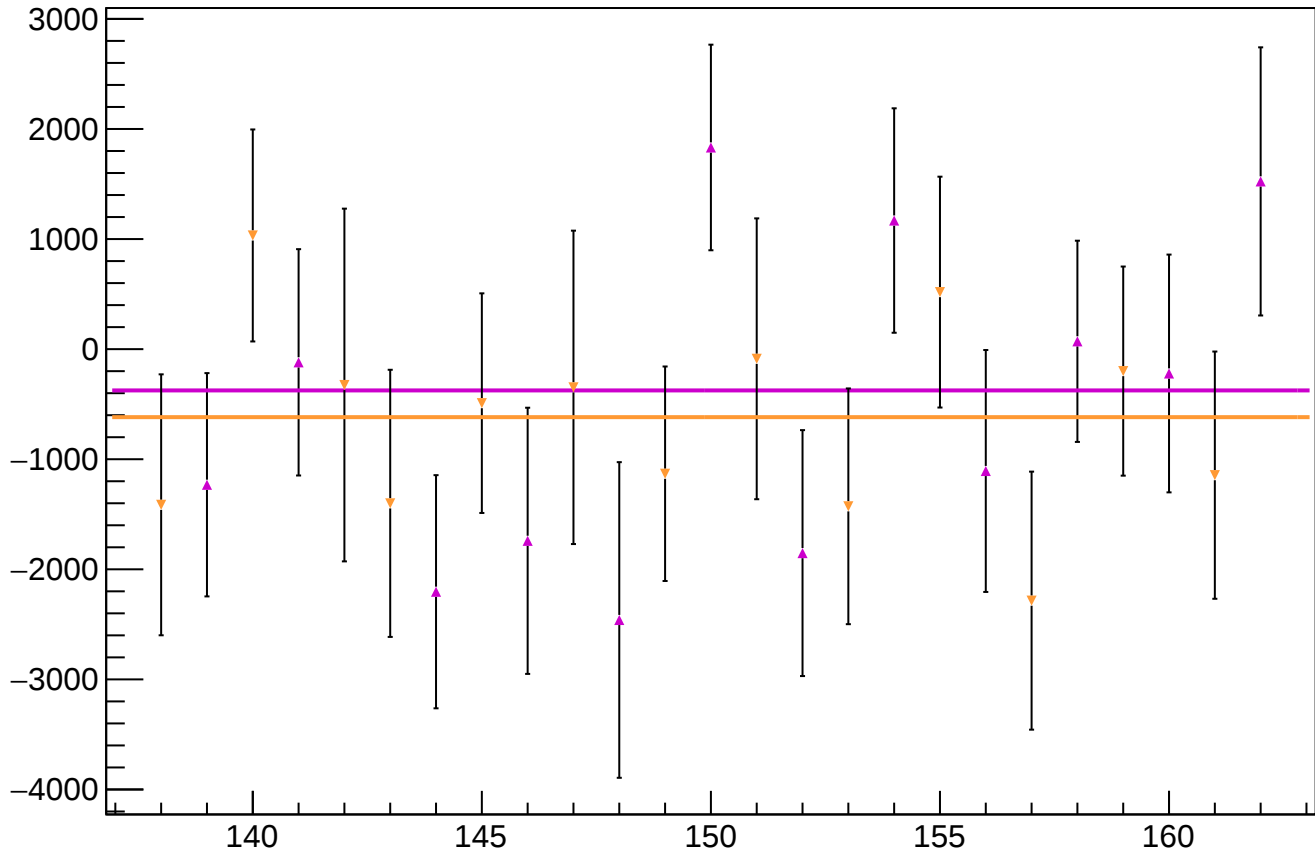
Left In: 153.614 $\pm$ 0.035 χ^2 /NDF: 183250.4/11

+ sign 124.783 $\pm$ 0.022 χ^2 /NDF: 1996949.7/29

All: 122.513 $\pm$ 0.016 χ^2 /NDF: 4664654.3/60

- sign 120.405 $\pm$ 0.022 χ^2 /NDF: 2648002.3/30

asym_sam5_correction_mean vs Slug



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

Left Out: -617.819+/-309.534 χ^2/NDF : 8.5/12

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

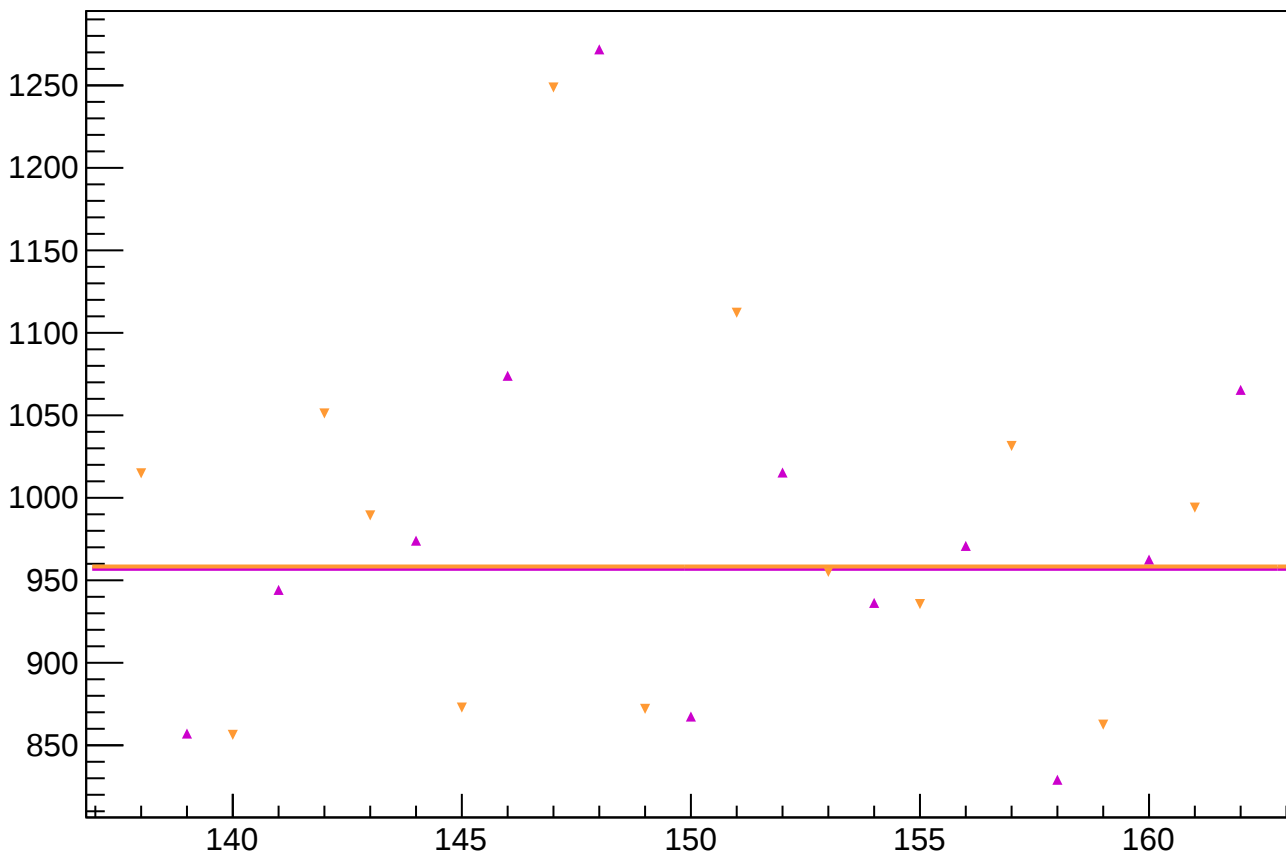
Left In: -374.971+/-309.378 χ^2/NDF : 19.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -496.334+/-218.818 χ^2/NDF : 28.7/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam5_correction_rms vs Slug



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

Left Out: 958.364+/-0.219 χ^2/NDF : 208821.9/12

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

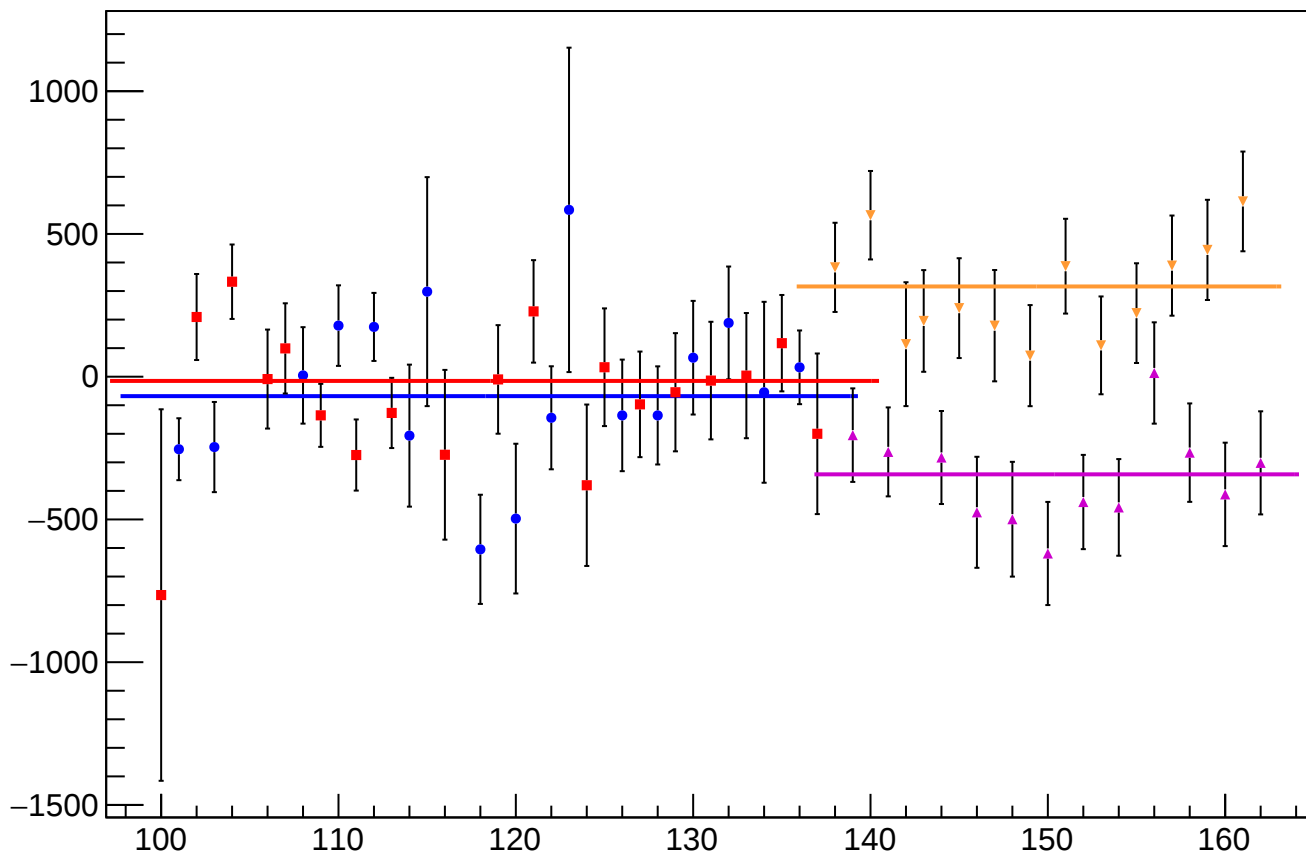
Left In: 956.962+/-0.219 χ^2/NDF : 215468.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 957.663+/-0.155 χ^2/NDF : 424310.7/24

- 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: 316.032 ± 48.380 χ^2/NDF : 12.2/12

Right Out: -14.800 ± 39.467 χ^2/NDF : 23.1/18

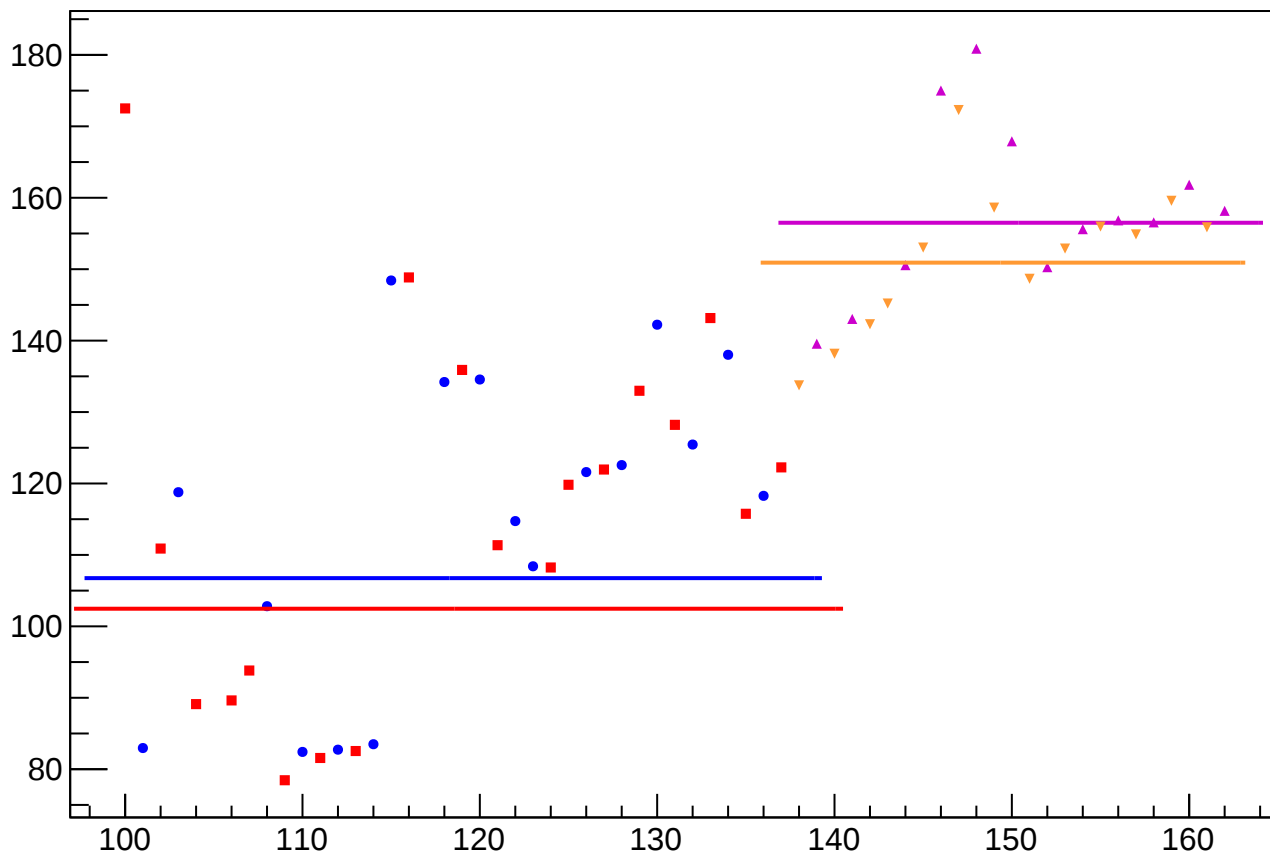
Left In: -342.027 ± 50.243 χ^2/NDF : 9.7/11

+ sign 98.165 ± 31.830 χ^2/NDF : 75.8/29

All: -23.750 ± 22.221 χ^2/NDF : 163.5/60

- sign -139.663 ± 31.036 χ^2/NDF : 59.1/30

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 150.919 $\pm$ 0.034 χ^2 /NDF: 80872.9/12

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

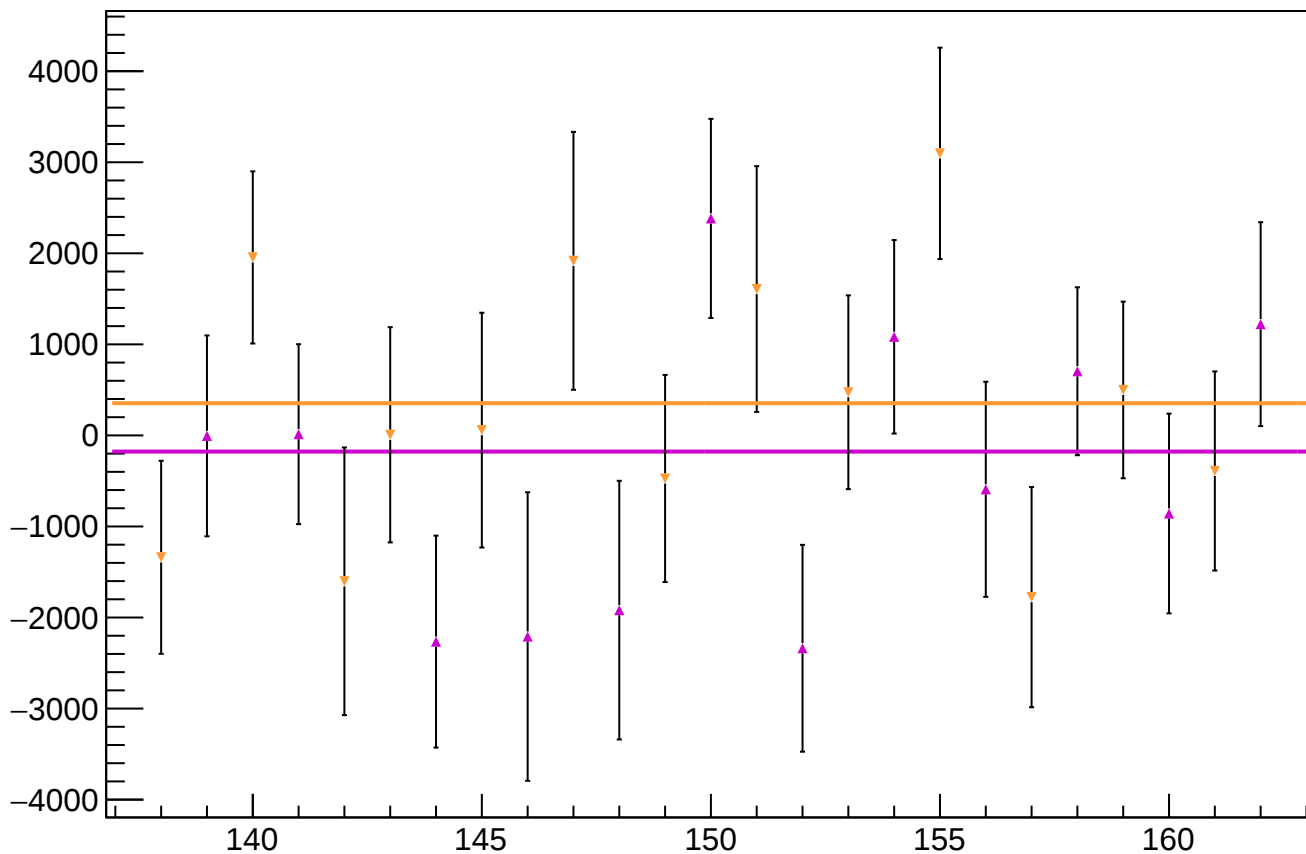
Left In: 156.501 $\pm$ 0.036 χ^2 /NDF: 99244.2/11

+ sign 125.868 $\pm$ 0.023 χ^2 /NDF: 1528063.9/29

All: 124.442 $\pm$ 0.016 χ^2 /NDF: 3655006.6/60

- sign 123.085 $\pm$ 0.022 χ^2 /NDF: 2119106.8/30

asym_sam6_correction_mean vs Slug



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

Left Out: 353.709+/-319.136 χ^2/NDF :19.1/12

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

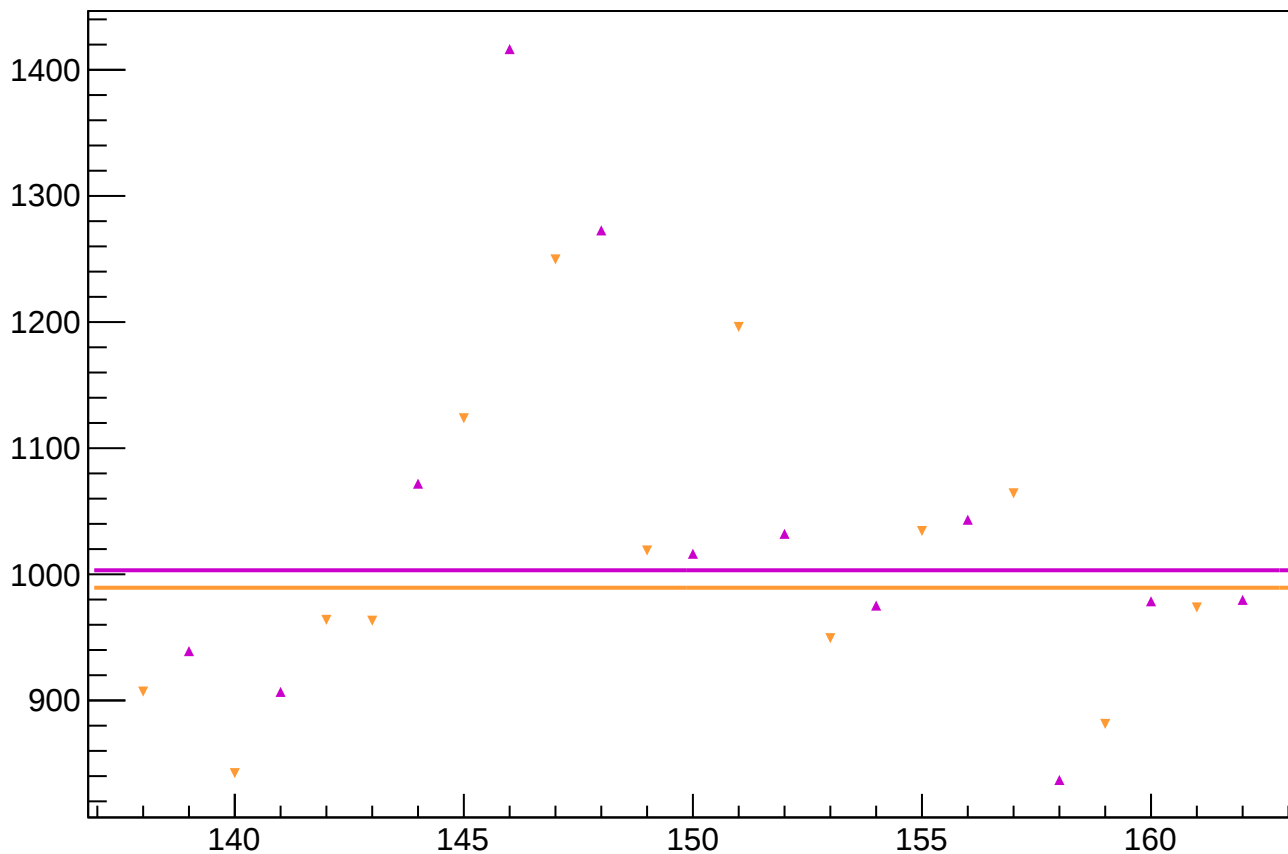
Left In: -177.549+/-324.471 χ^2/NDF :19.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 92.484+/-227.526 χ^2/NDF : 40.4/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam6_correction_rms vs Slug



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

Left Out: 989.372+/-0.226 χ^2/NDF :238307.7/12

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

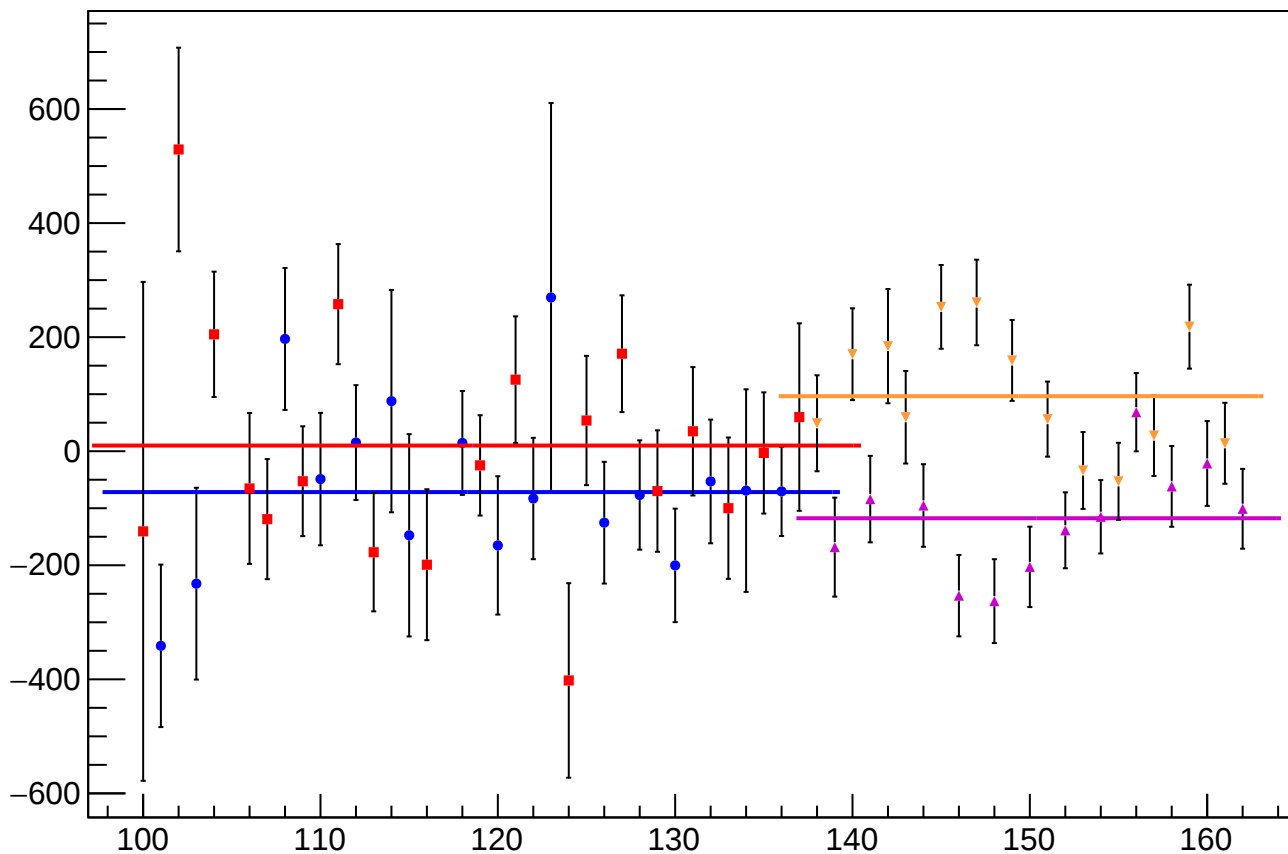
Left In: 1003.212+/-0.229 χ^2/NDF :313014.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 996.177+/-0.161 χ^2/NDF : 553171.8/24

- 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: 96.470 ± 20.576 χ^2/NDF : 26.3/12

Right Out: 9.917 ± 26.816 χ^2/NDF : 36.5/18

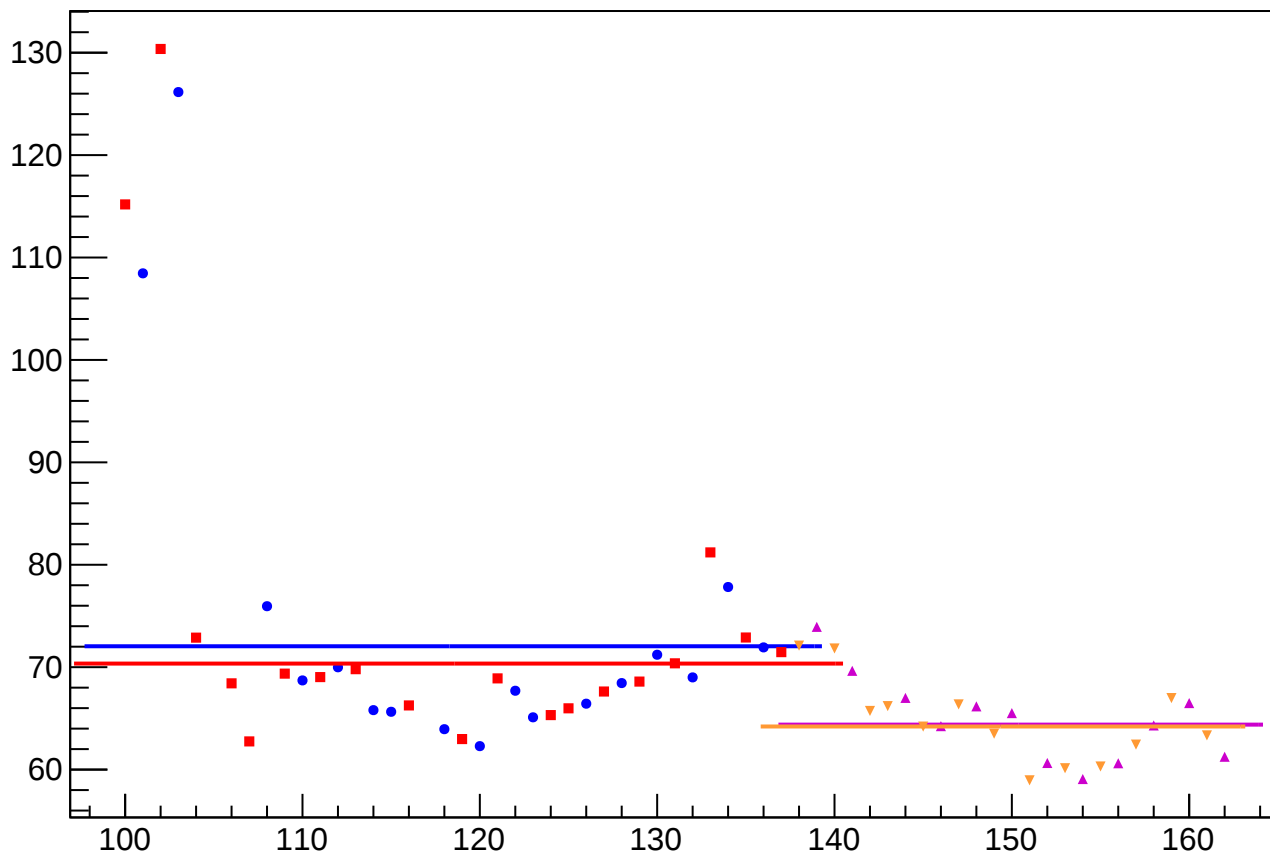
Left In: -117.558 ± 20.656 χ^2/NDF : 19.4/11

+ sign 38.479 ± 16.654 χ^2/NDF : 64.6/29

All: -16.759 ± 11.672 χ^2/NDF : 156.2/60

- sign -70.089 ± 16.364 χ^2/NDF : 70.1/30

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 64.208 $\pm$ 0.015 χ^2 /NDF: 70176.9/12

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

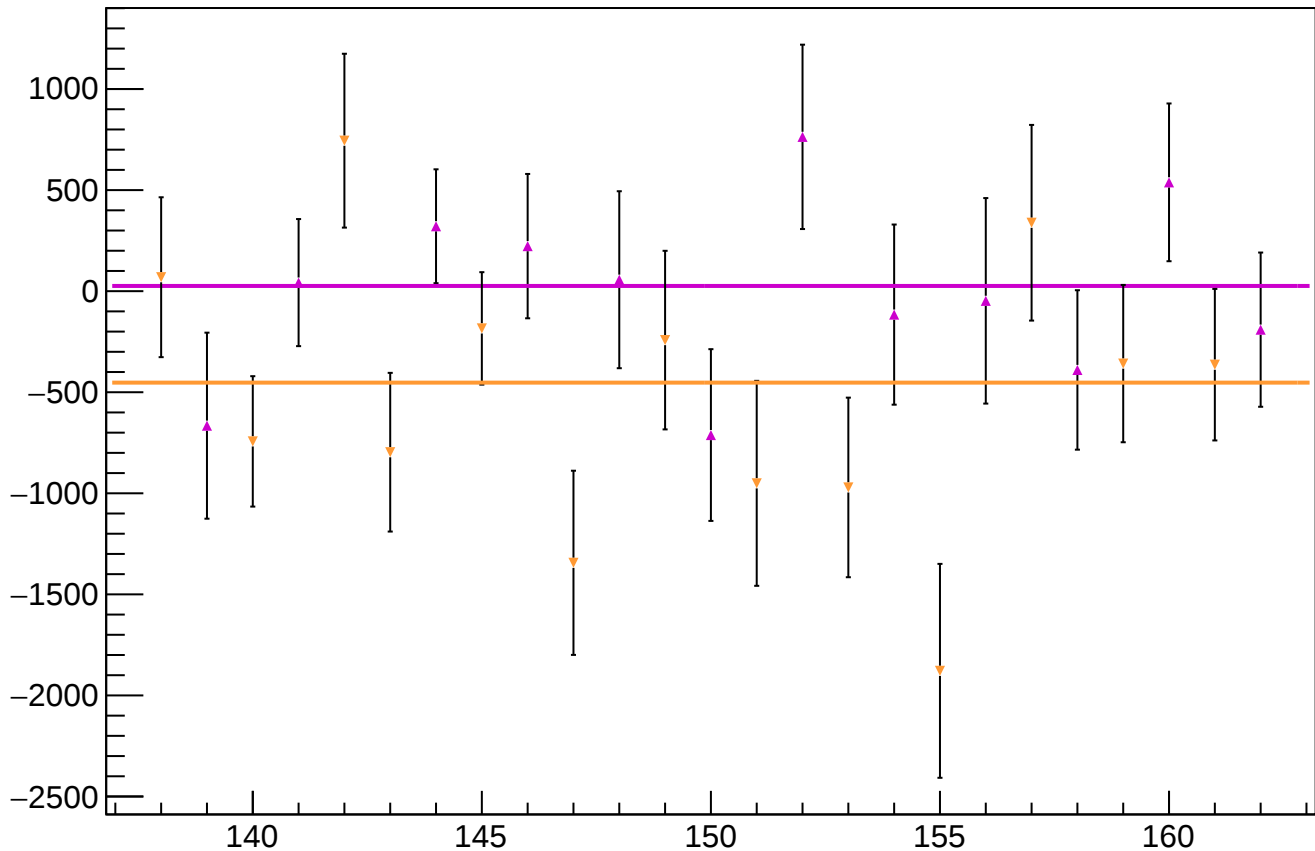
Left In: 64.390 $\pm$ 0.015 χ^2 /NDF: 69746.7/11

+ sign 66.910 $\pm$ 0.012 χ^2 /NDF: 562134.0/29

All: 66.757 $\pm$ 0.008 χ^2 /NDF: 993240.6/60

- sign 66.610 $\pm$ 0.012 χ^2 /NDF: 430775.1/30

asym_sam7_correction_mean vs Slug



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

Left Out: -452.461 $\pm$ 110.918 χ^2/NDF : 28.4/12

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

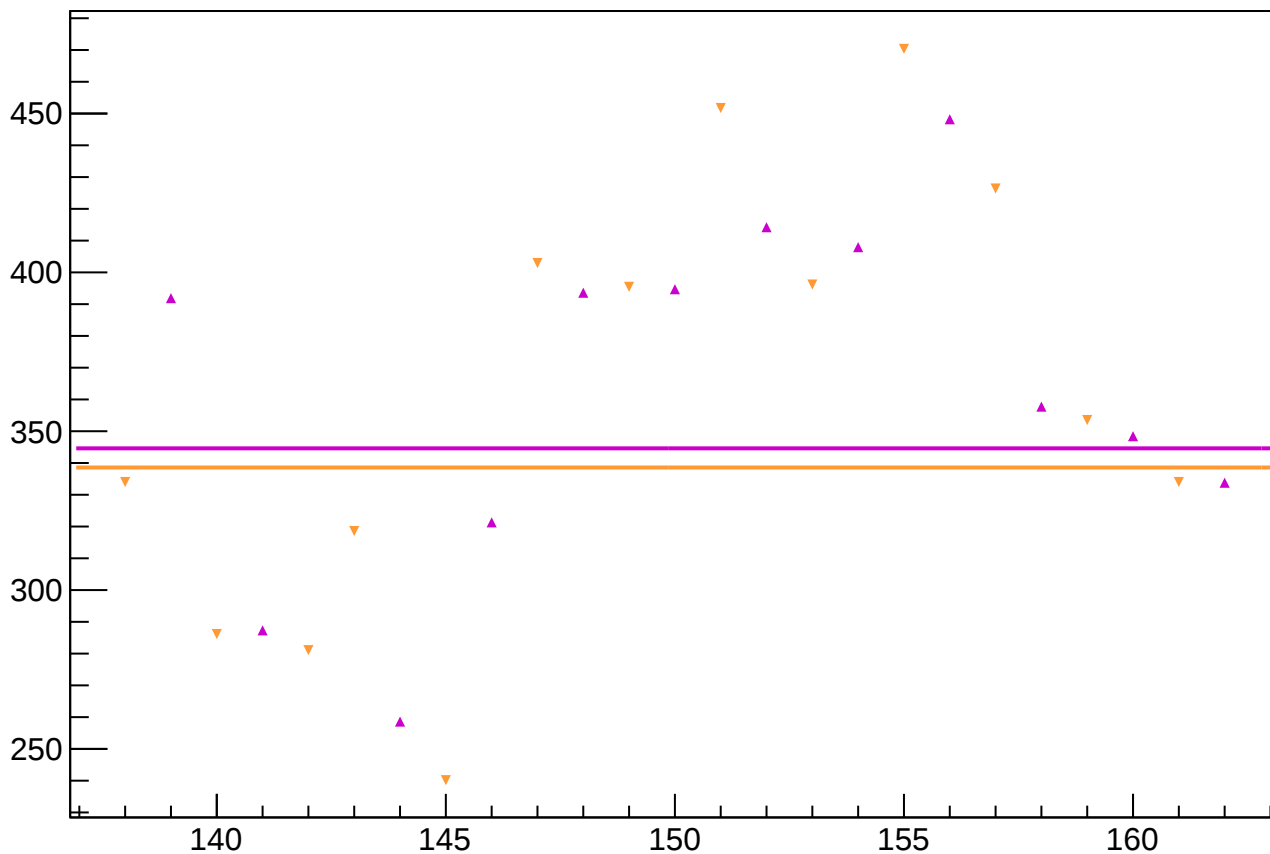
Left In: 25.844 $\pm$ 112.068 χ^2/NDF : 12.6/11

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

All: -215.775 $\pm$ 78.835 χ^2/NDF : 50.2/24

- 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: 338.577+/-0.078 χ^2/NDF : 743832.4/12

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

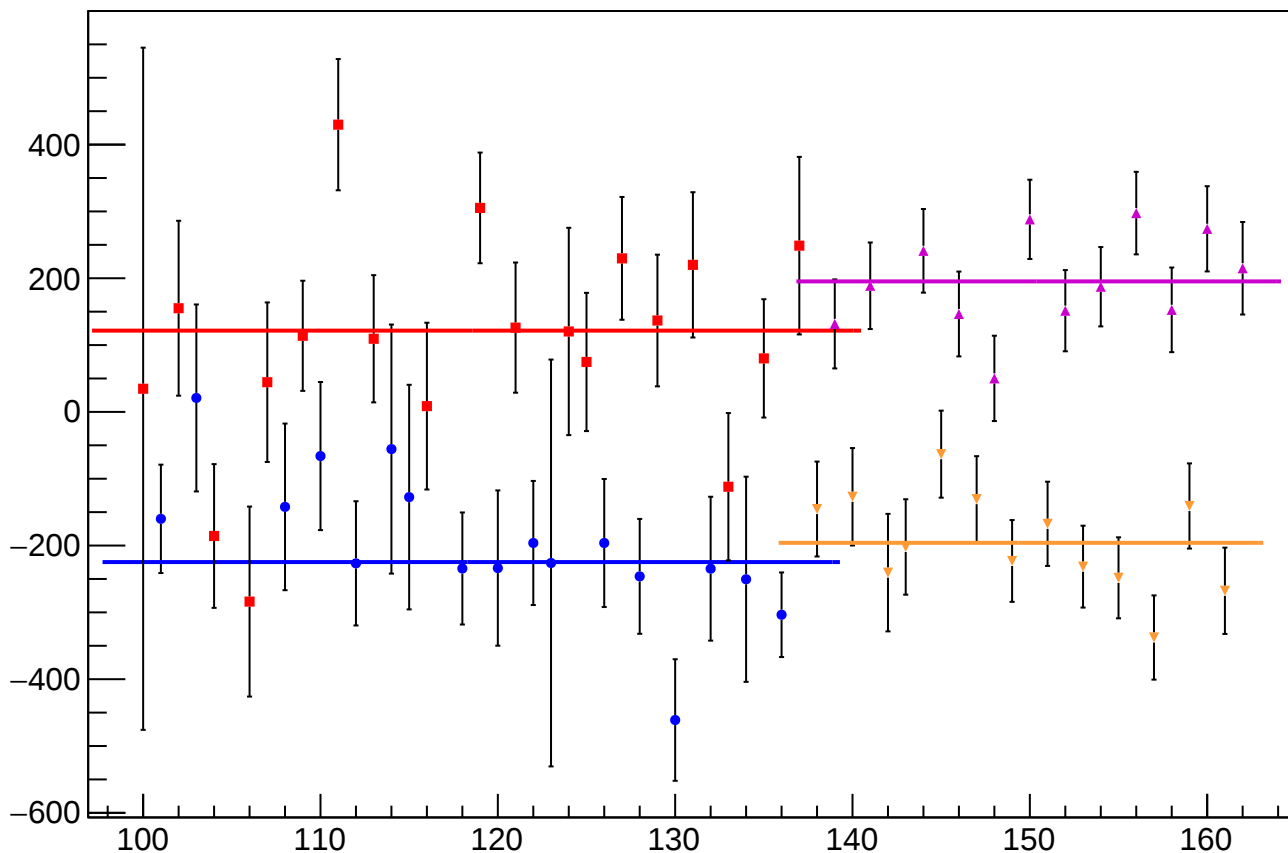
Left In: 344.609+/-0.079 χ^2/NDF : 509391.1/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 341.562+/-0.056 χ^2/NDF : 1256151.0/24

- 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: -195.917 $\pm$ 18.303 χ^2 /NDF:15.4/12

Right Out: 121.633 $\pm$ 24.599 χ^2 /NDF: 40.5/18

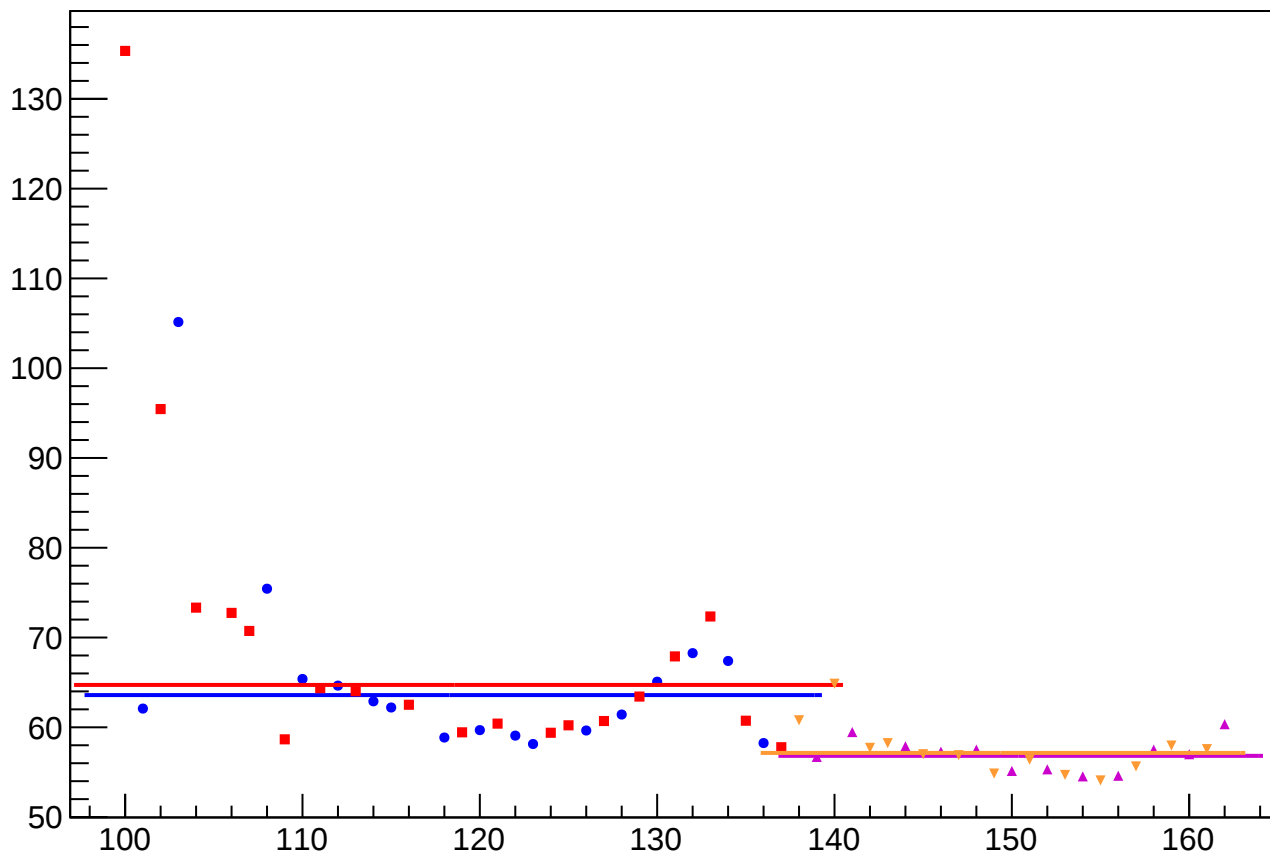
Left In: 195.286 $\pm$ 18.205 χ^2 /NDF:15.0/11

+ sign -206.033 $\pm$ 14.743 χ^2 /NDF: 32.2/29

All: -17.000 $\pm$ 10.386 χ^2 /NDF: 419.8/60

- sign 169.222 $\pm$ 14.633 χ^2 /NDF: 61.3/30

reg_asym_sam8_rms vs Slug



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 57.147+/-0.013 χ^2/NDF : 41162.0/12

Right Out: 64.720+/-0.017 χ^2/NDF : 227506.4/18

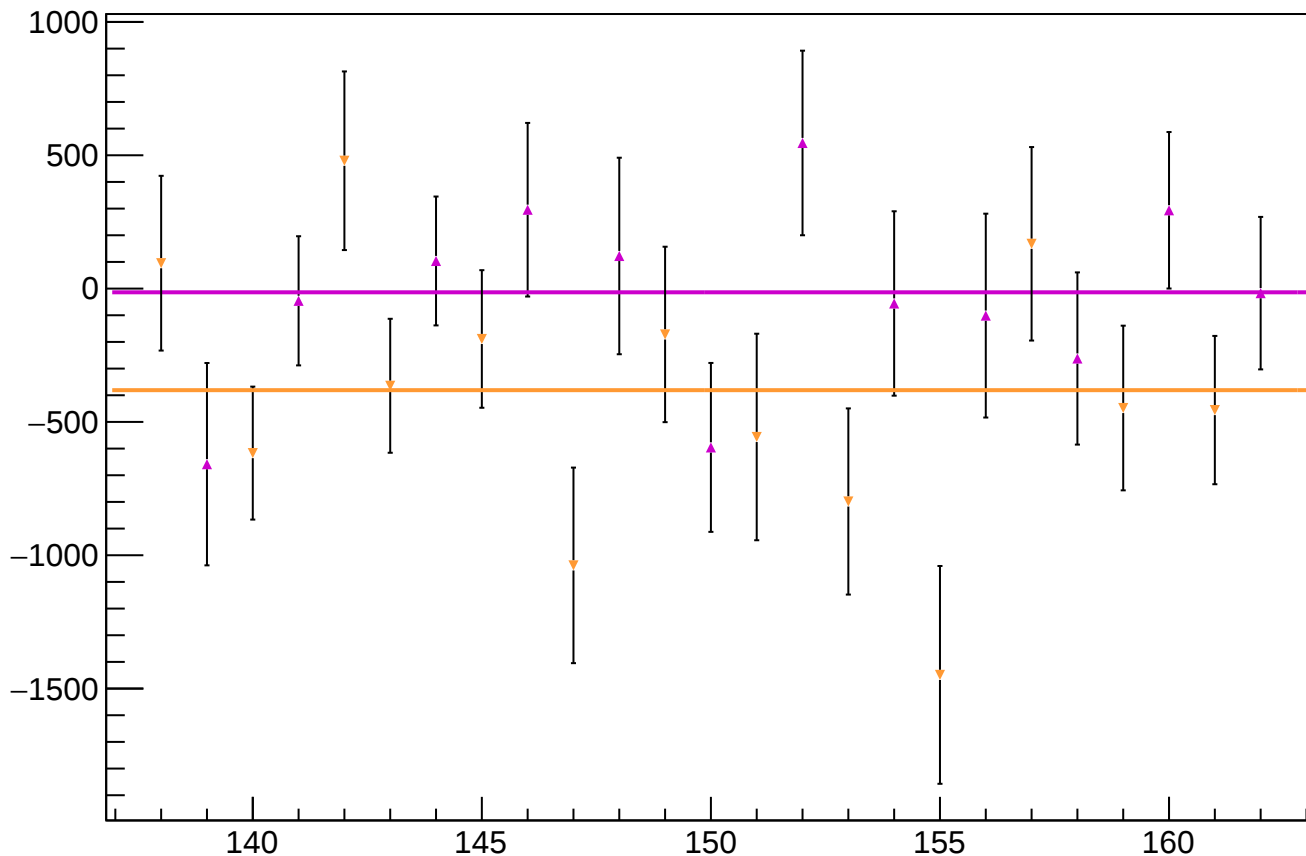
Left In: 56.822+/-0.013 χ^2/NDF : 18092.7/11

+ sign 59.409+/-0.010 χ^2/NDF : 362756.6/29

All: 59.514+/-0.007 χ^2/NDF : 741776.0/60

- sign 59.617+/-0.010 χ^2/NDF : 378819.7/30

asym_sam8_correction_mean vs Slug



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

Left Out: -380.912+/-86.470 χ^2/NDF : 24.7/12

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

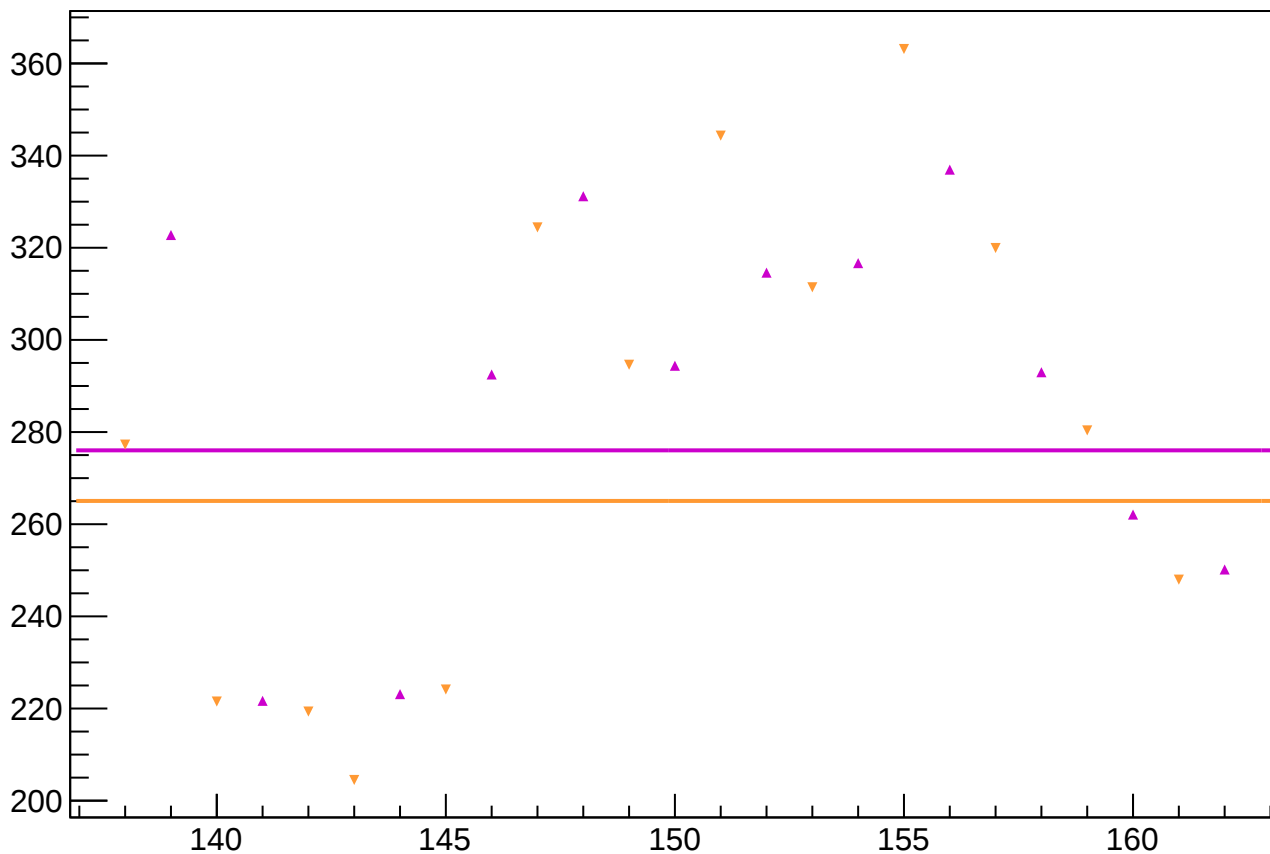
Left In: -13.915+/-89.487 χ^2/NDF : 11.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -203.704+/-62.183 χ^2/NDF : 45.3/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam8_correction_rms vs Slug



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

Left Out: 265.052+/-0.061 χ^2/NDF : 628833.1/12

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

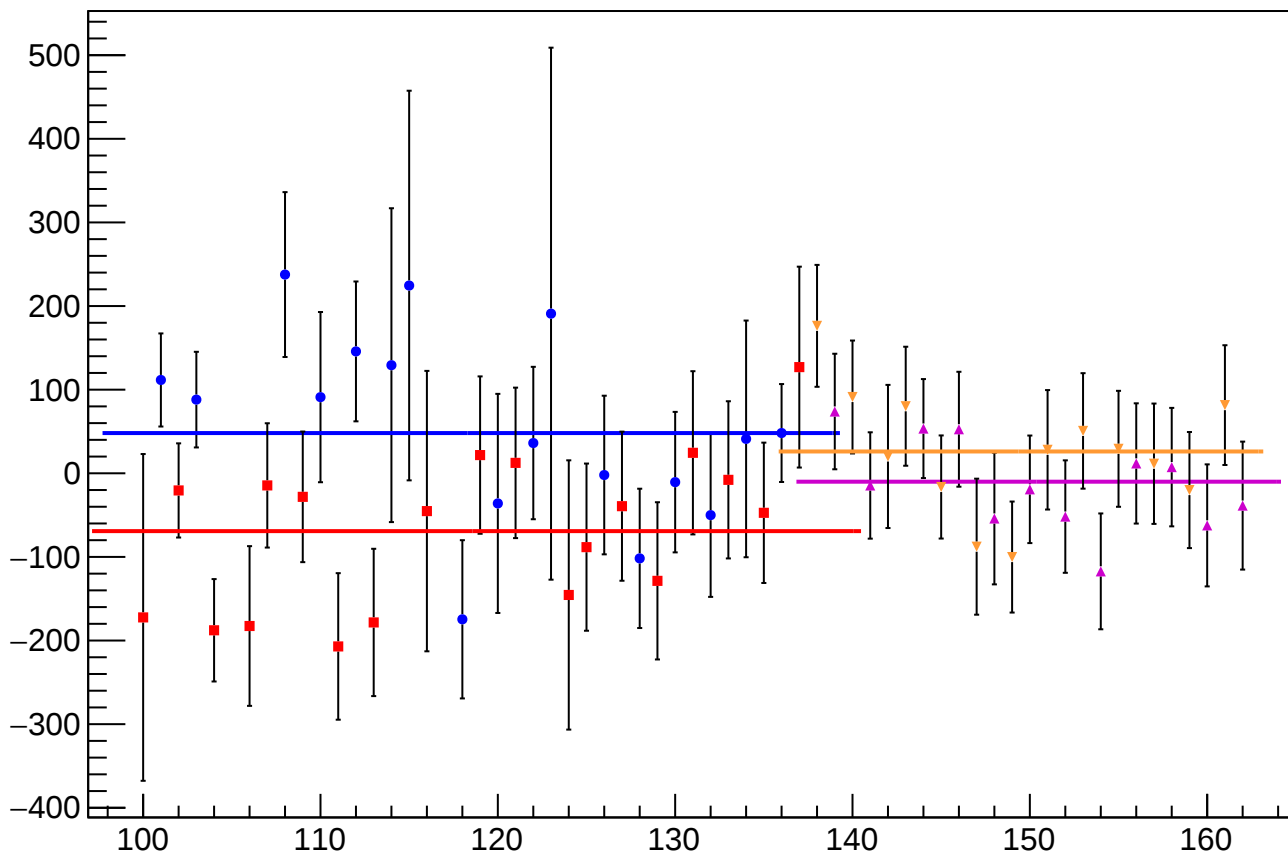
Left In: 276.030+/-0.063 χ^2/NDF : 413226.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 270.353+/-0.044 χ^2/NDF : 1057625.6/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 26.095+/-19.640 χ^2/NDF : 13.0/12

Right Out: -69.156+/-20.407 χ^2/NDF : 17.7/18

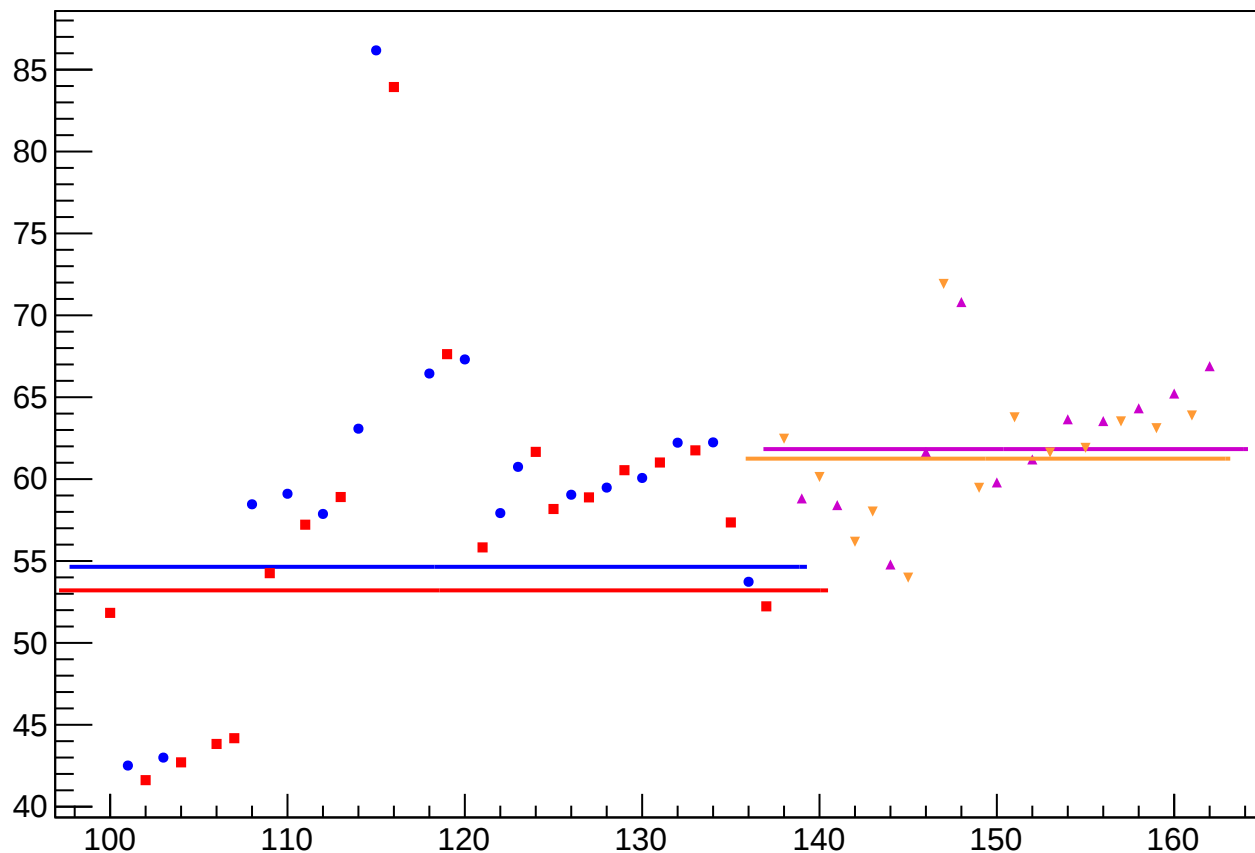
Left In: -10.046+/-19.850 χ^2/NDF : 7.4/11

+ sign 36.104+/-14.504 χ^2/NDF : 32.6/29

All: -2.056+/-10.157 χ^2/NDF : 75.5/60

- sign -38.783+/-14.229 χ^2/NDF : 29.3/30

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 61.250+/-0.014 χ^2/NDF : 84747.3/12

Right Out: 53.207+/-0.014 χ^2/NDF : 386295.2/18

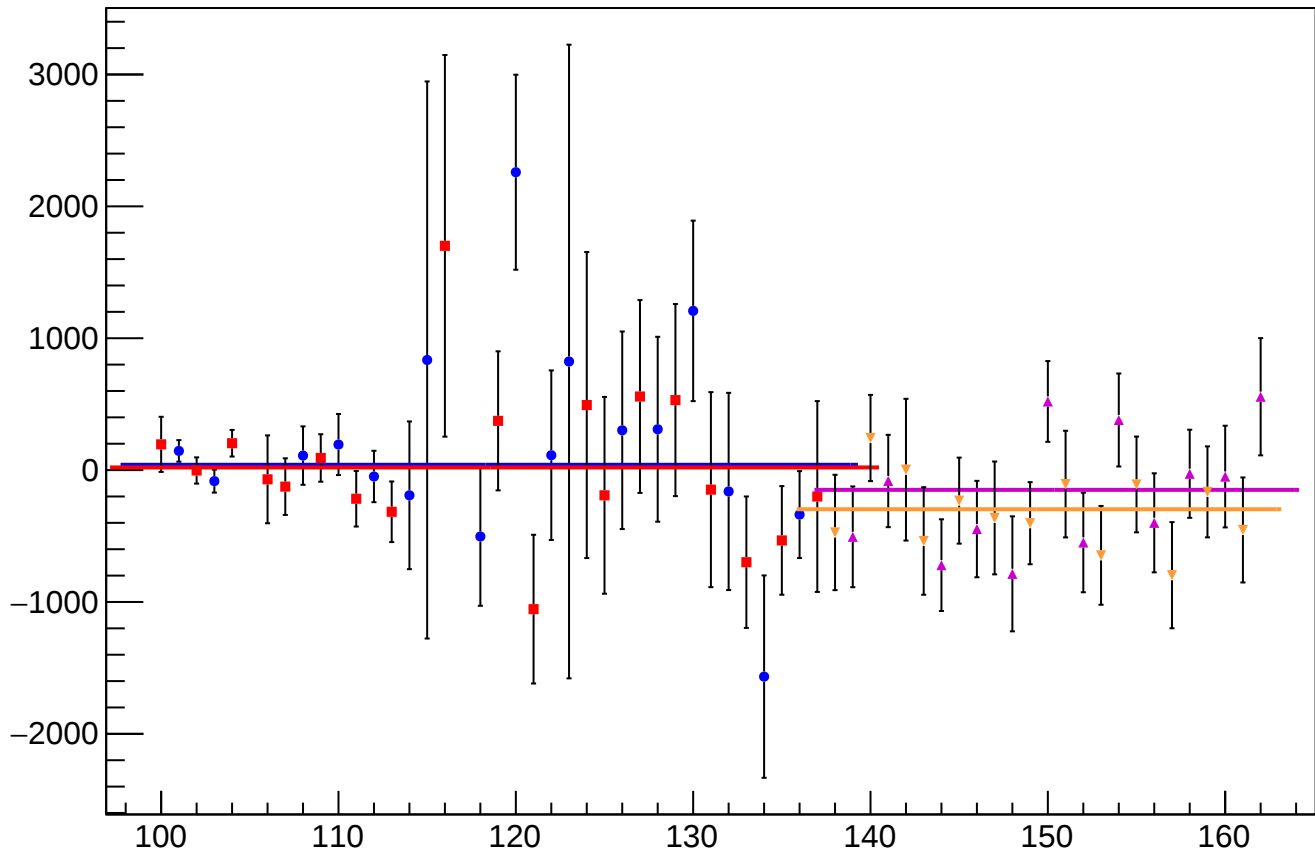
Left In: 61.833+/-0.014 χ^2/NDF : 84146.7/11

+ sign 58.247+/-0.010 χ^2/NDF : 506878.8/29

All: 57.937+/-0.007 χ^2/NDF : 1162725.5/60

- sign 57.639+/-0.010 χ^2/NDF : 654058.7/30

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -296.656 $\pm$ 104.862 χ^2 /NDF: 6.9/12

Right Out: 20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

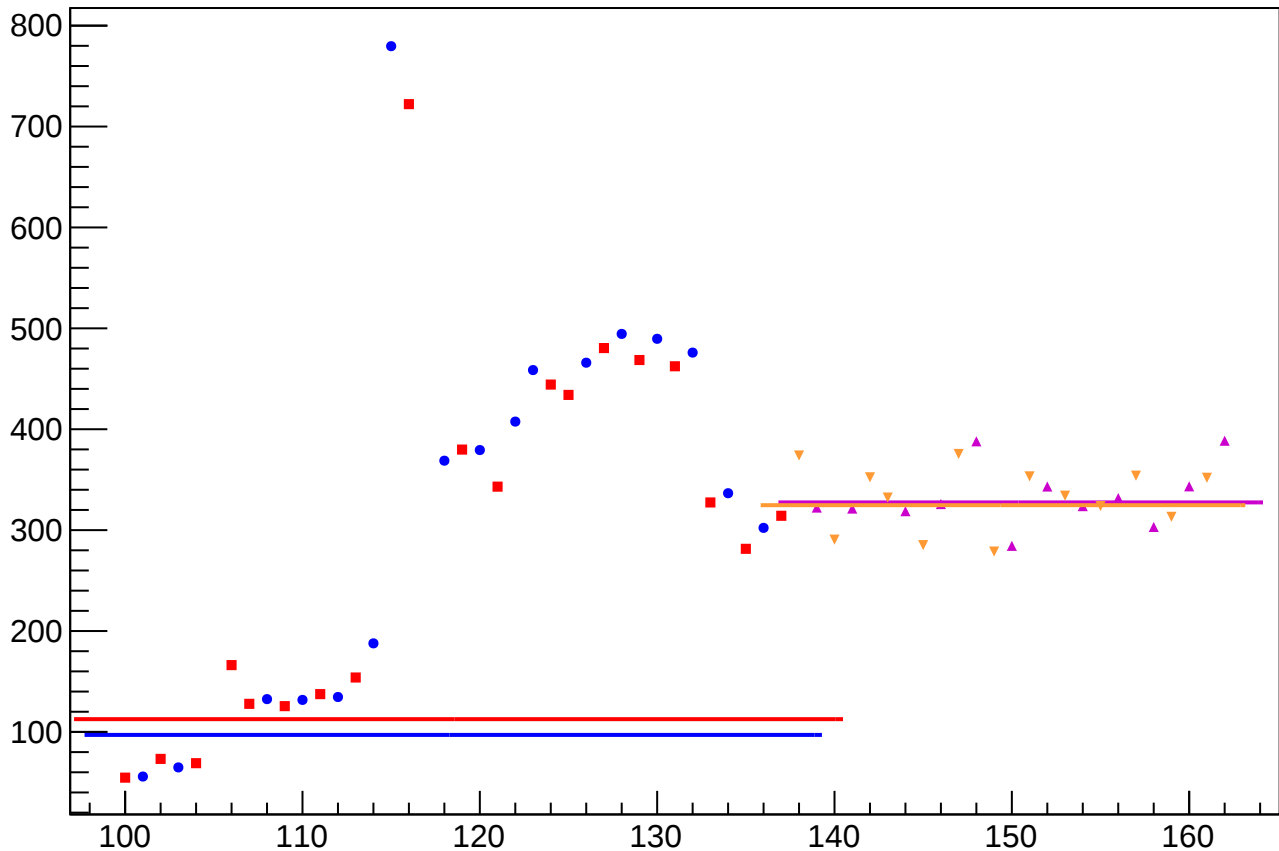
Left In: -149.835 $\pm$ 105.657 χ^2 /NDF: 17.7/11

+ sign -25.342 $\pm$ 46.257 χ^2 /NDF: 39.1/29

All: -19.947 $\pm$ 33.163 χ^2 /NDF: 77.8/60

- sign -14.241 $\pm$ 47.569 χ^2 /NDF: 38.7/30

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 324.731+/-0.074 χ^2/NDF : 187794.2/12

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

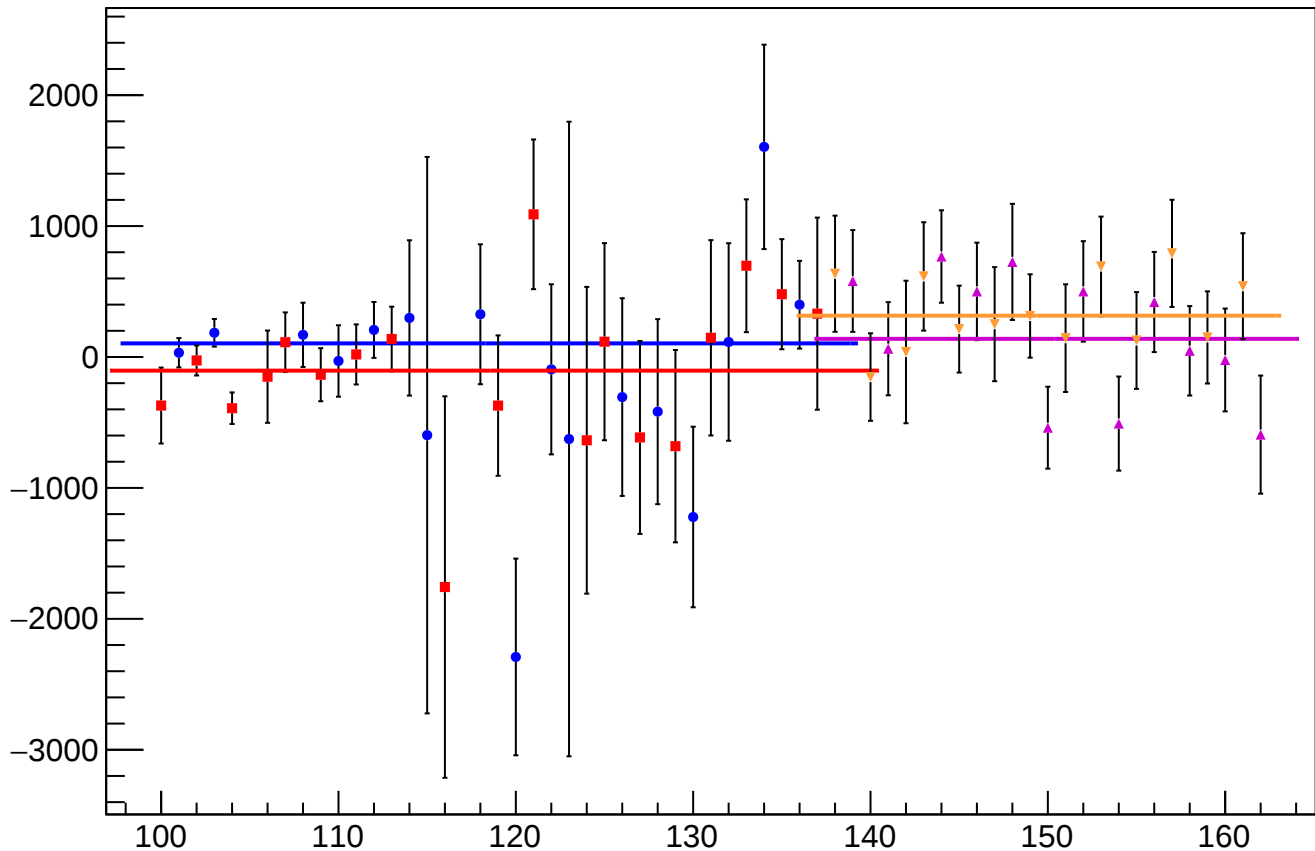
Left In: 327.484+/-0.075 χ^2/NDF : 136157.9/11

+ sign 141.345+/-0.033 χ^2/NDF : 13602251.4/29

All: 148.564+/-0.023 χ^2/NDF : 25467382.8/60

- sign 156.200+/-0.034 χ^2/NDF : 11764884.8/30

asym_sam_15_avg_mean vs Slug



Right In: 104.001 ± 63.156 χ^2/NDF : 21.3/16

Left Out: 315.737 ± 106.775 χ^2/NDF : 6.7/12

Right Out: -104.140 ± 60.857 χ^2/NDF : 21.3/18

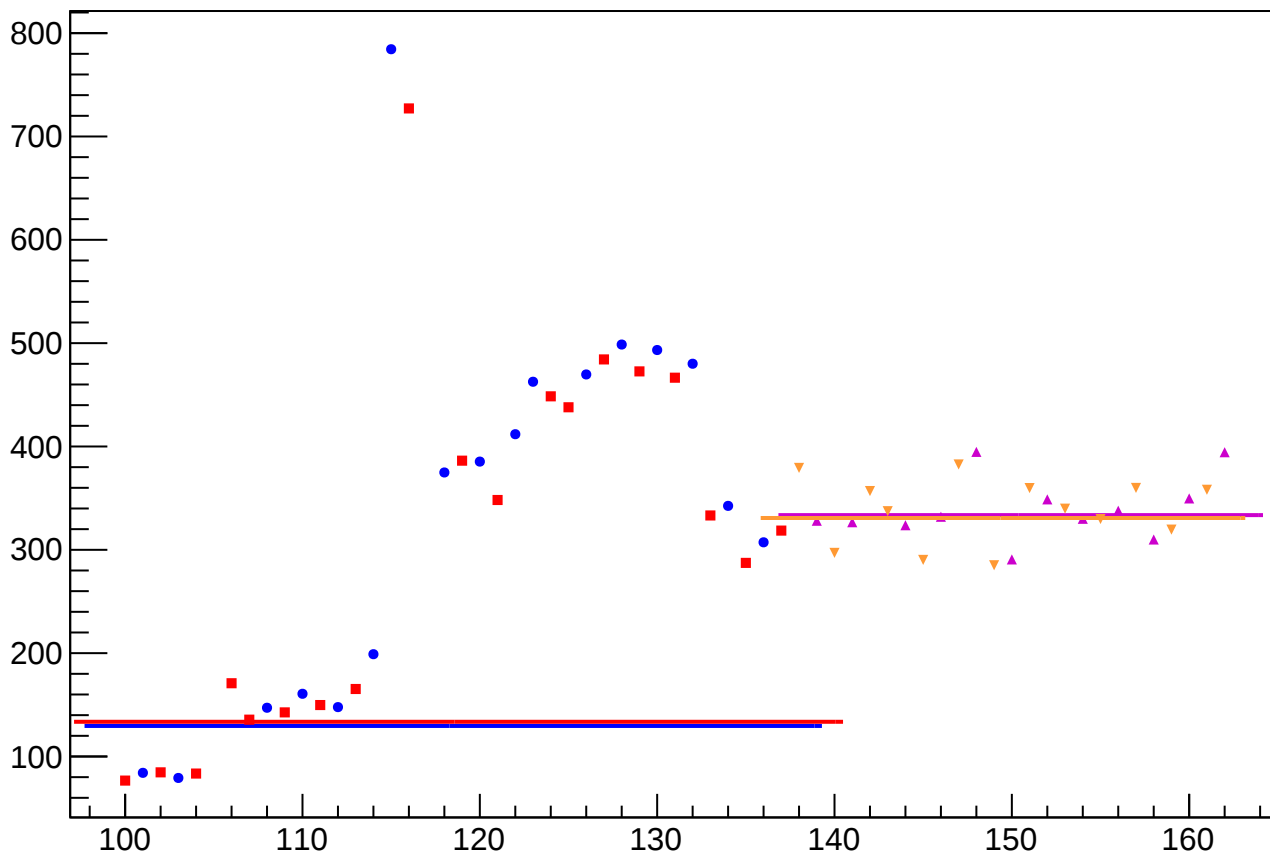
Left In: 138.713 ± 107.587 χ^2/NDF : 19.5/11

+ sign 158.879 ± 54.359 χ^2/NDF : 30.9/29

All: 54.162 ± 37.937 χ^2/NDF : 82.8/60

- sign -45.272 ± 52.970 χ^2/NDF : 44.7/30

asym_sam_15_avg_rms vs Slug



Right In: 129.552 $\pm$ 0.045 χ^2/NDF : 4772450.4/16

Left Out: 330.804 $\pm$ 0.076 χ^2/NDF : 181093.3/12

Right Out: 133.593 $\pm$ 0.043 χ^2/NDF : 4366252.1/18

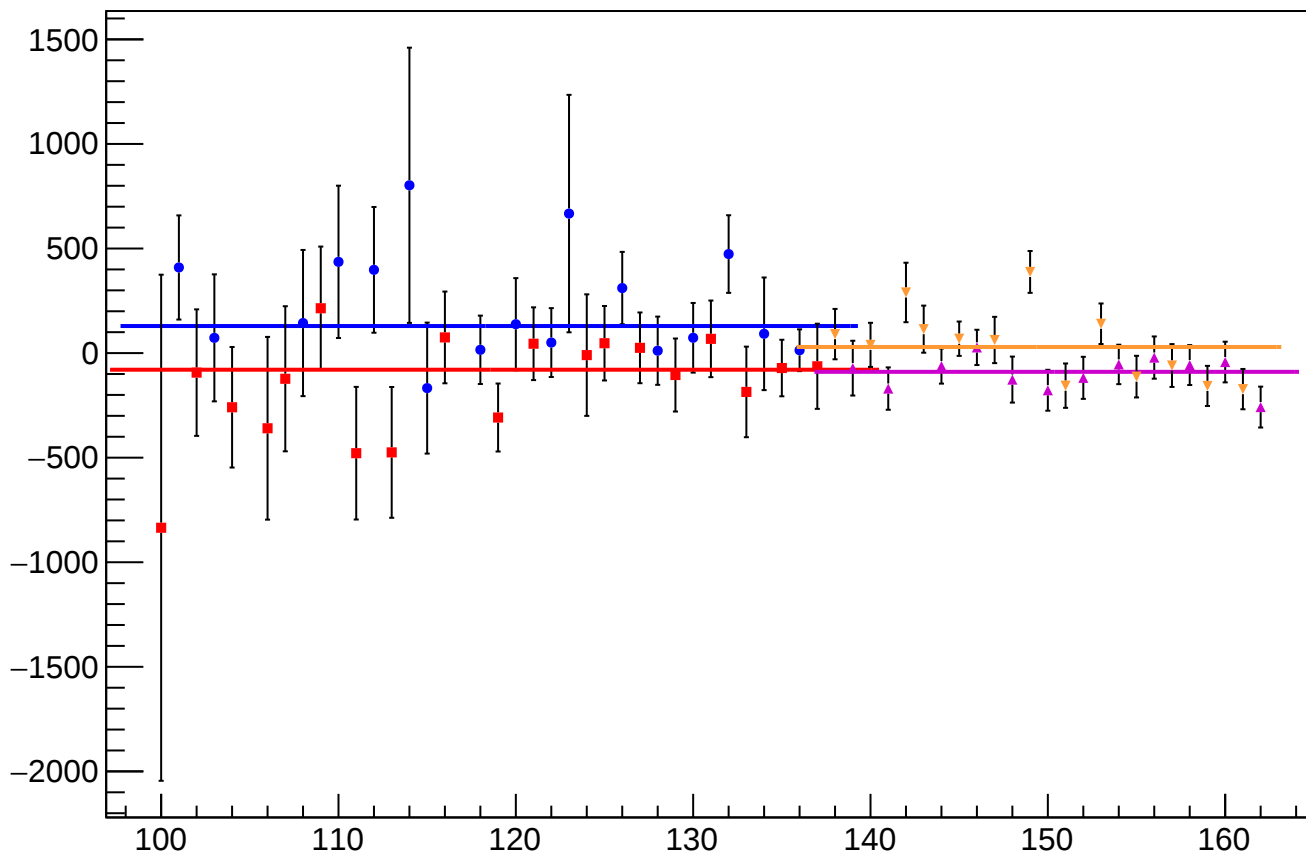
Left In: 333.585 $\pm$ 0.076 χ^2/NDF : 131271.6/11

+ sign 181.713 $\pm$ 0.038 χ^2/NDF : 10217127.5/29

All: 181.897 $\pm$ 0.027 χ^2/NDF : 19950383.2/60

- sign 182.071 $\pm$ 0.037 χ^2/NDF : 9733211.0/30

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2/NDF : 12.9/16

Left Out: 29.184 $\pm$ 28.566 χ^2/NDF : 32.7/12

Right Out: -79.483 $\pm$ 49.886 χ^2/NDF : 10.2/18

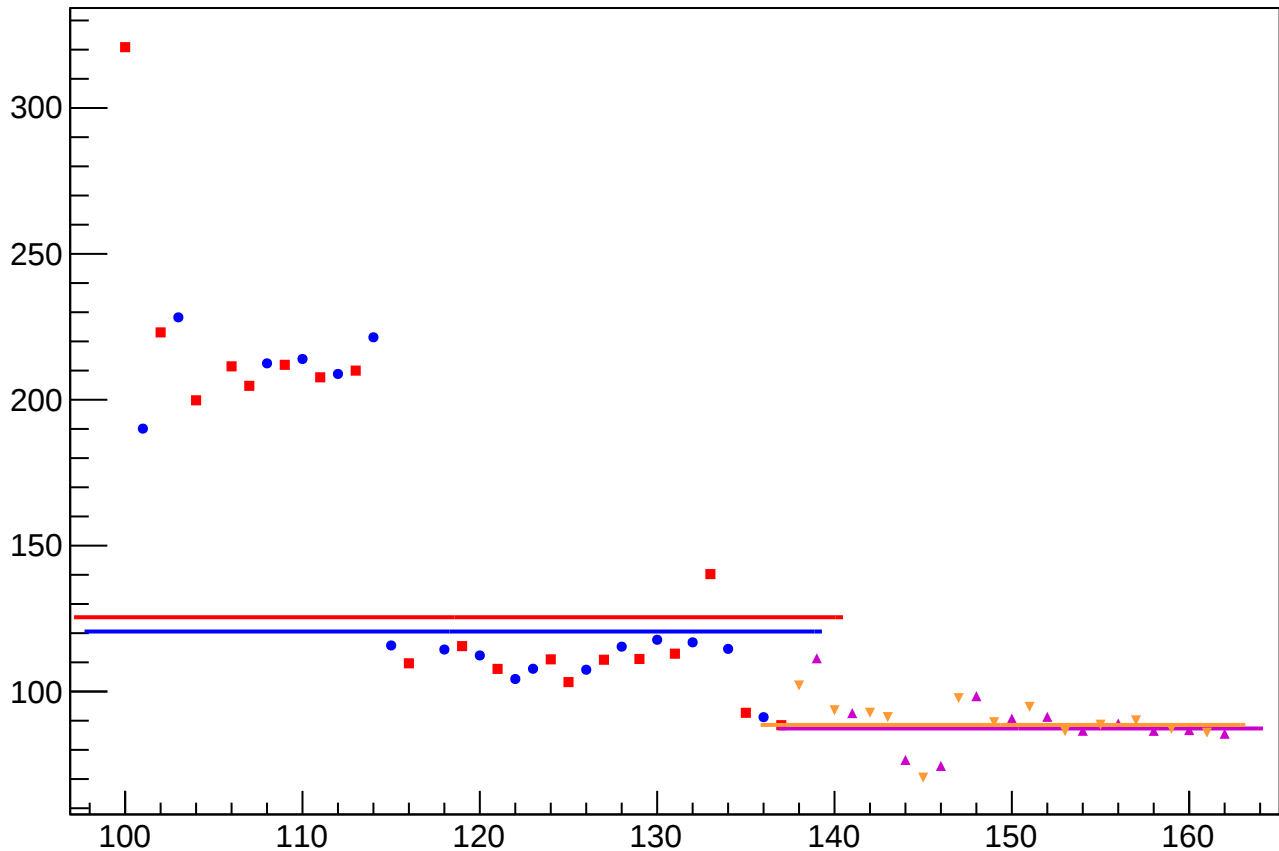
Left In: -89.613 $\pm$ 28.228 χ^2/NDF : 7.6/11

+ sign 54.510 $\pm$ 24.694 χ^2/NDF : 48.7/29

All: -16.686 $\pm$ 17.416 χ^2/NDF : 83.1/60

- sign -87.156 $\pm$ 24.568 χ^2/NDF : 17.9/30

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 88.556 $\pm$ 0.020 χ^2 /NDF:153597.8/12

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

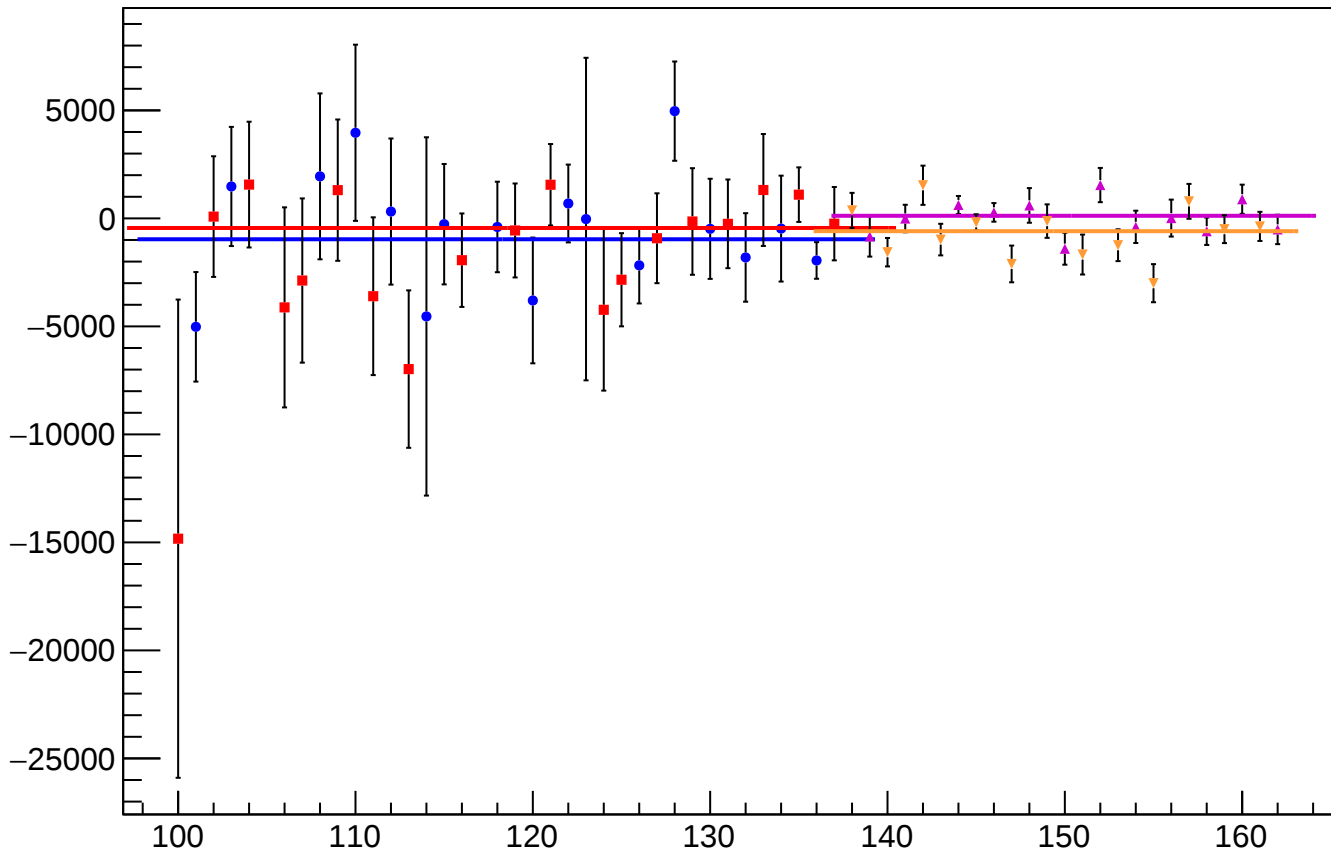
Left In: 87.332 $\pm$ 0.020 χ^2 /NDF:179553.3/11

+ sign 96.646 $\pm$ 0.017 χ^2 /NDF: 1900283.8/29

All: 96.612 $\pm$ 0.012 χ^2 /NDF: 4298471.6/60

- sign 96.579 $\pm$ 0.017 χ^2 /NDF: 2398180.5/30

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 $\pm$ 512.340 χ^2/NDF : 16.4/16

Left Out: -592.396 $\pm$ 190.217 χ^2/NDF : 26.8/12

Right Out: -444.406 $\pm$ 545.370 χ^2/NDF : 13.4/18

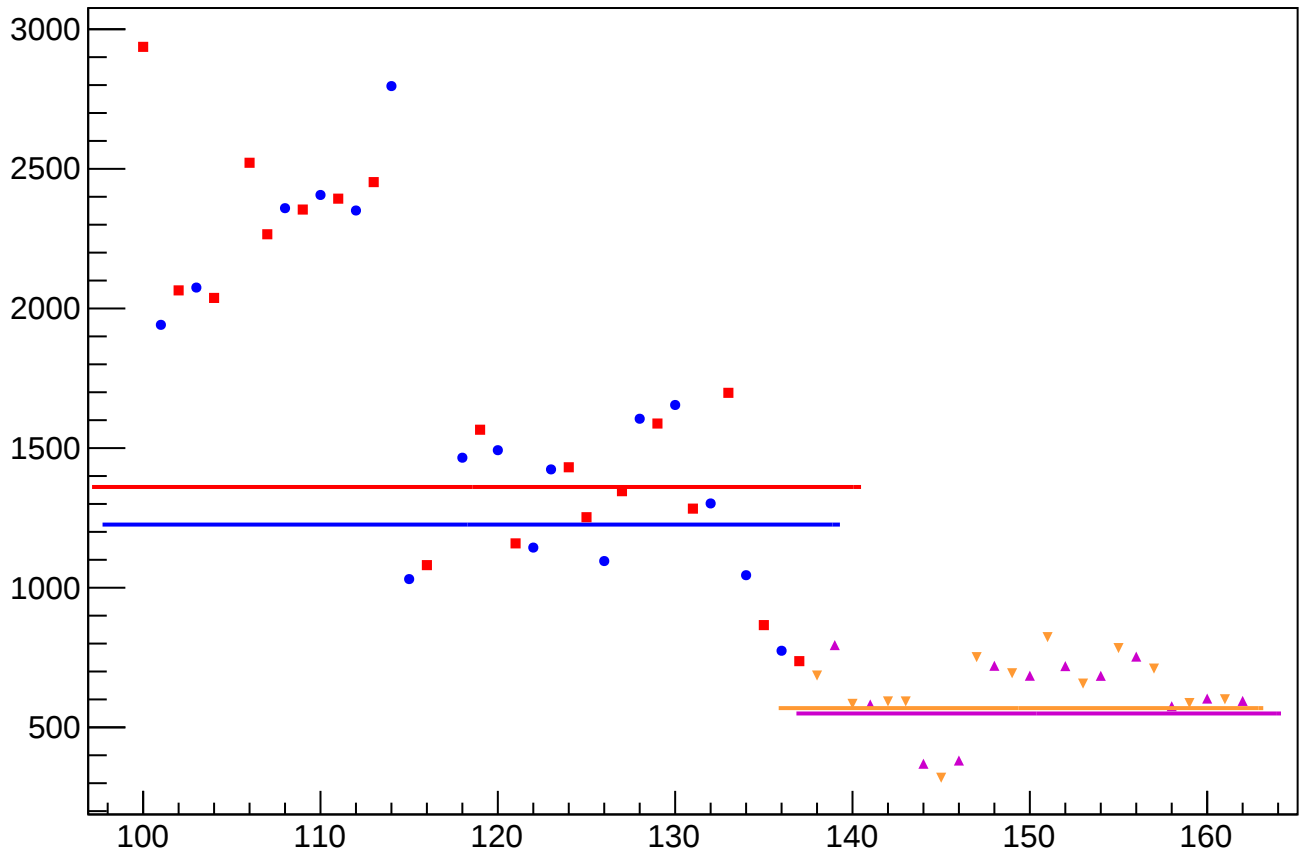
Left In: 119.968 $\pm$ 183.440 χ^2/NDF : 14.4/11

+ sign -637.727 $\pm$ 178.323 χ^2/NDF : 43.6/29

All: -278.704 $\pm$ 124.489 χ^2/NDF : 80.3/60

- sign 62.606 $\pm$ 173.868 χ^2/NDF : 28.8/30

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135 ± 0.362 $\chi^2/\text{NDF}: 1756323.1/16$

Left Out: 568.887 ± 0.135 $\chi^2/\text{NDF}: 1458213.0/12$

+ sign 648.508 ± 0.126 $\chi^2/\text{NDF}: 6107145.5/29$

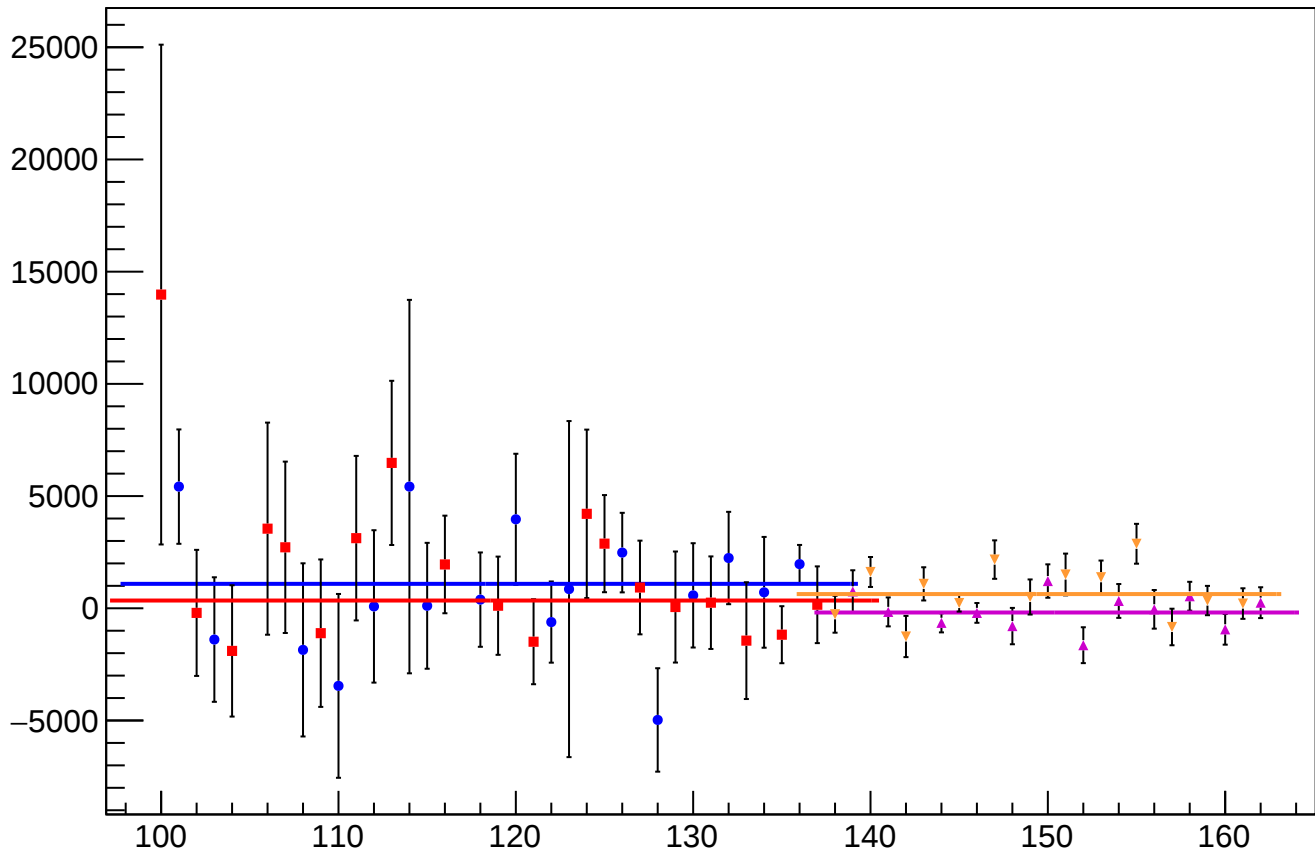
Right Out: 1360.770 ± 0.386 $\chi^2/\text{NDF}: 1749074.9/18$

All: 640.109 ± 0.088 $\chi^2/\text{NDF}: 13112563.1/60$

- sign 632.124 ± 0.123 $\chi^2/\text{NDF}: 6996762.9/30$

Left In: 549.687 ± 0.130 $\chi^2/\text{NDF}: 1273682.4/11$

asym_sam_26_avg_mean vs Slug



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 633.494+/-192.919 χ^2/NDF : 24.4/12

Right Out: 345.640+/-548.191 χ^2/NDF : 12.5/18

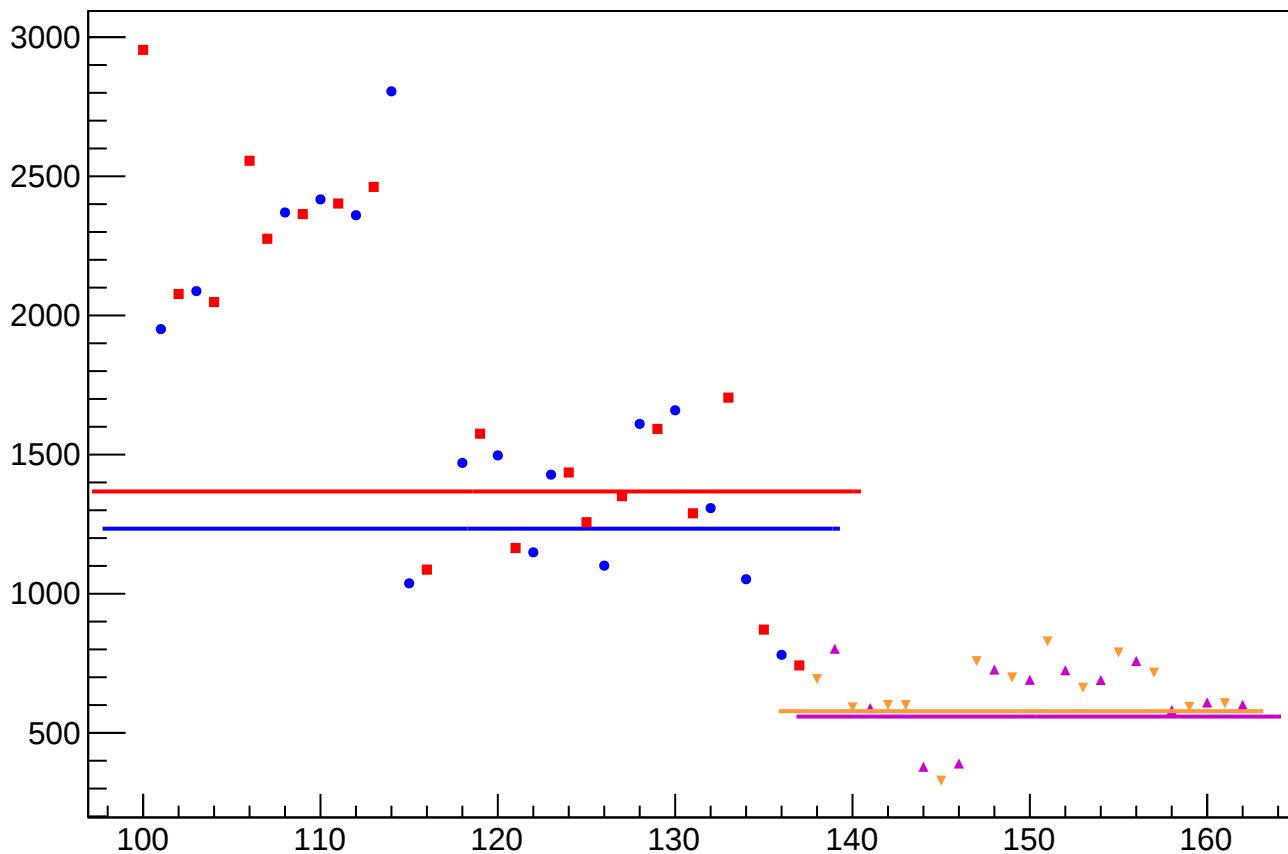
Left In: -188.090+/-186.106 χ^2/NDF : 13.0/11

+ sign 689.503+/-180.671 χ^2/NDF : 42.1/29

All: 268.049+/-126.153 χ^2/NDF : 79.0/60

- sign -132.932+/-176.228 χ^2/NDF : 26.3/30

asym_sam_26_avg_rms vs Slug



Right In: 1233.863 ± 0.364 $\chi^2/\text{NDF}: 1744048.5/16$

Left Out: 578.164 ± 0.136 $\chi^2/\text{NDF}: 1386393.3/12$

Right Out: 1367.609 ± 0.388 $\chi^2/\text{NDF}: 1744594.4/18$

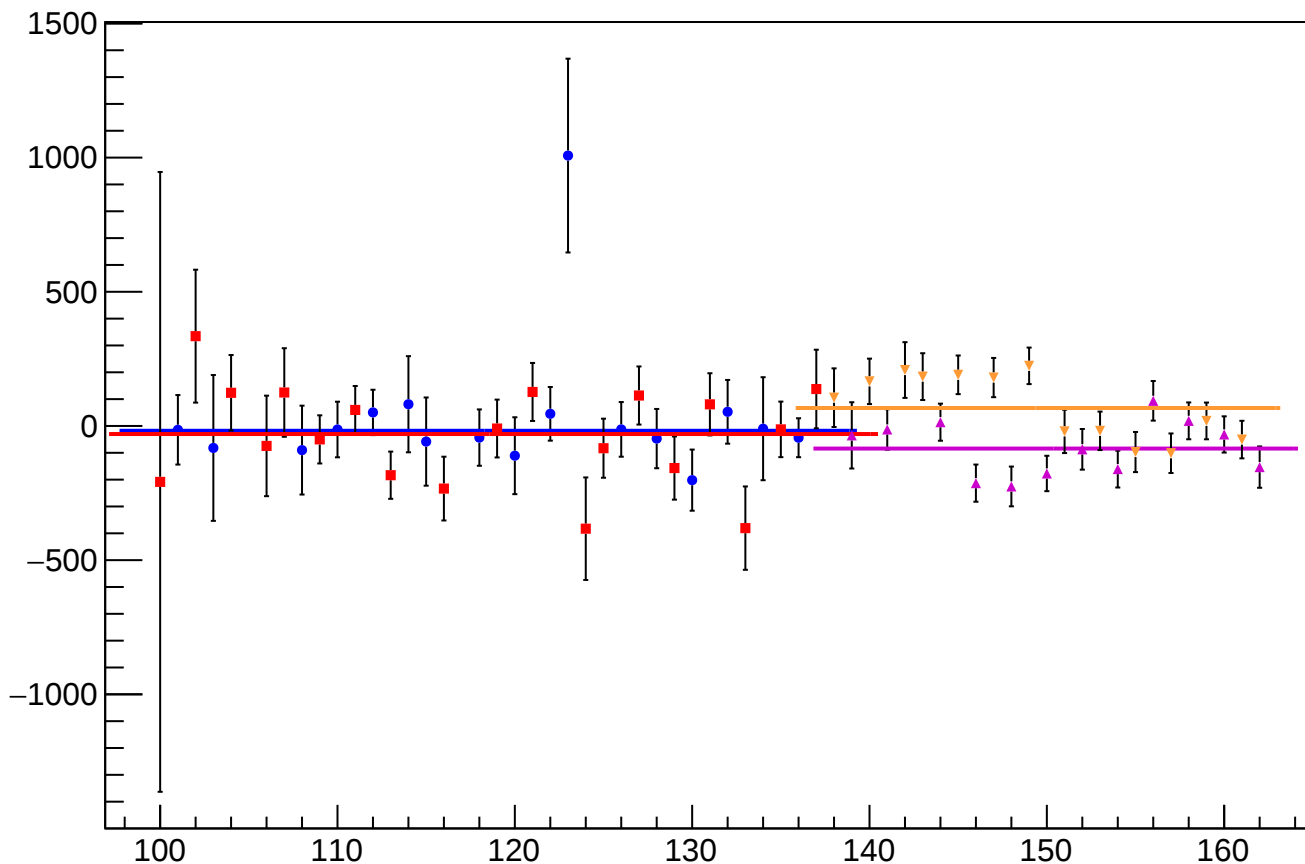
Left In: 558.643 ± 0.132 $\chi^2/\text{NDF}: 1216299.5/11$

+ sign 658.778 ± 0.128 $\chi^2/\text{NDF}: 5970929.3/29$

All: 650.305 ± 0.089 $\chi^2/\text{NDF}: 12845690.4/60$

- sign 642.244 ± 0.125 $\chi^2/\text{NDF}: 6866178.5/30$

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 $\pm$ 28.848 χ^2 /NDF: 13.4/16

Left Out: 66.940 $\pm$ 21.458 χ^2 /NDF: 31.8/12

Right Out: -30.070 $\pm$ 27.976 χ^2 /NDF: 27.4/18

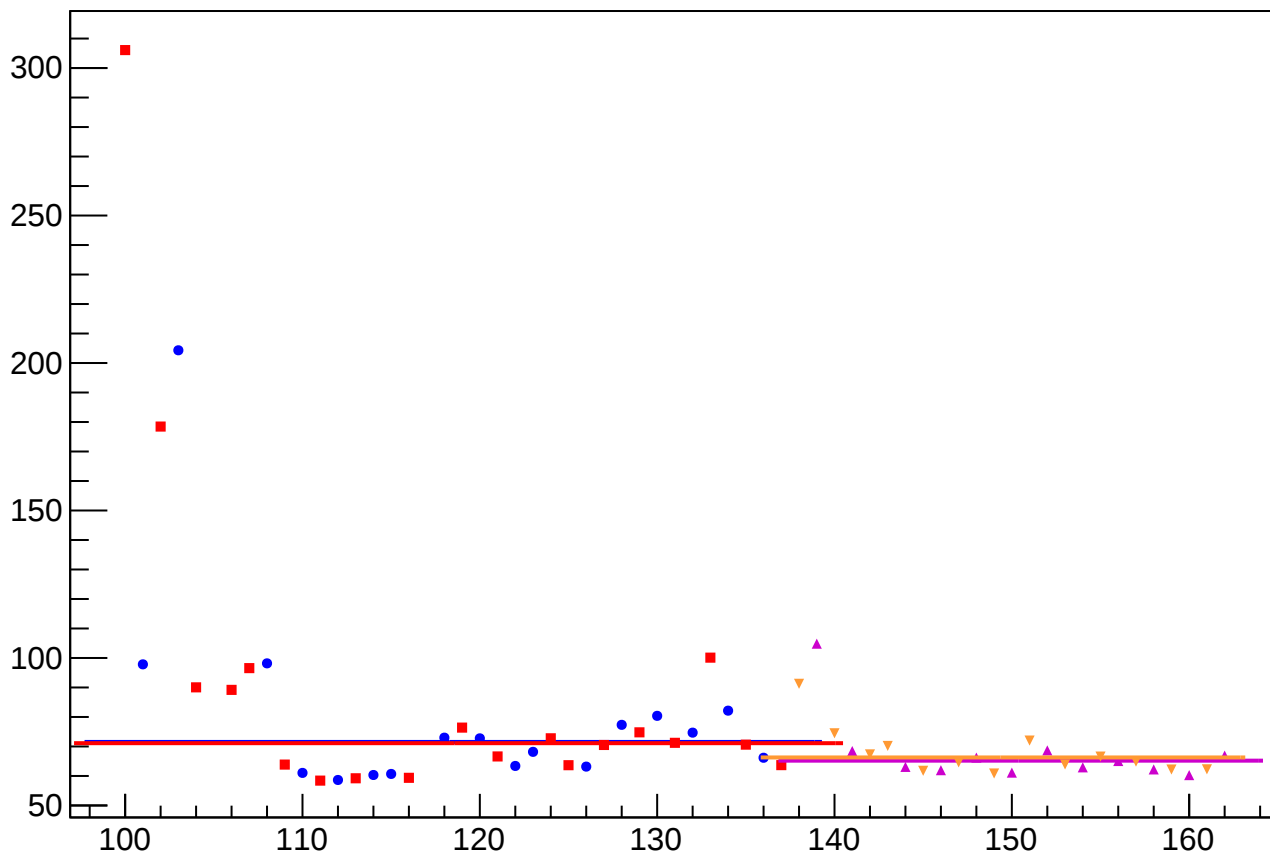
Left In: -84.173 $\pm$ 21.121 χ^2 /NDF: 22.9/11

+ sign 36.695 $\pm$ 17.217 χ^2 /NDF: 50.7/29

All: -14.989 $\pm$ 12.045 χ^2 /NDF: 121.0/60

- sign -64.531 $\pm$ 16.857 χ^2 /NDF: 52.6/30

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 66.275+/-0.015 χ^2/NDF :175730.2/12

Right Out: 71.115+/-0.020 χ^2/NDF : 765159.2/18

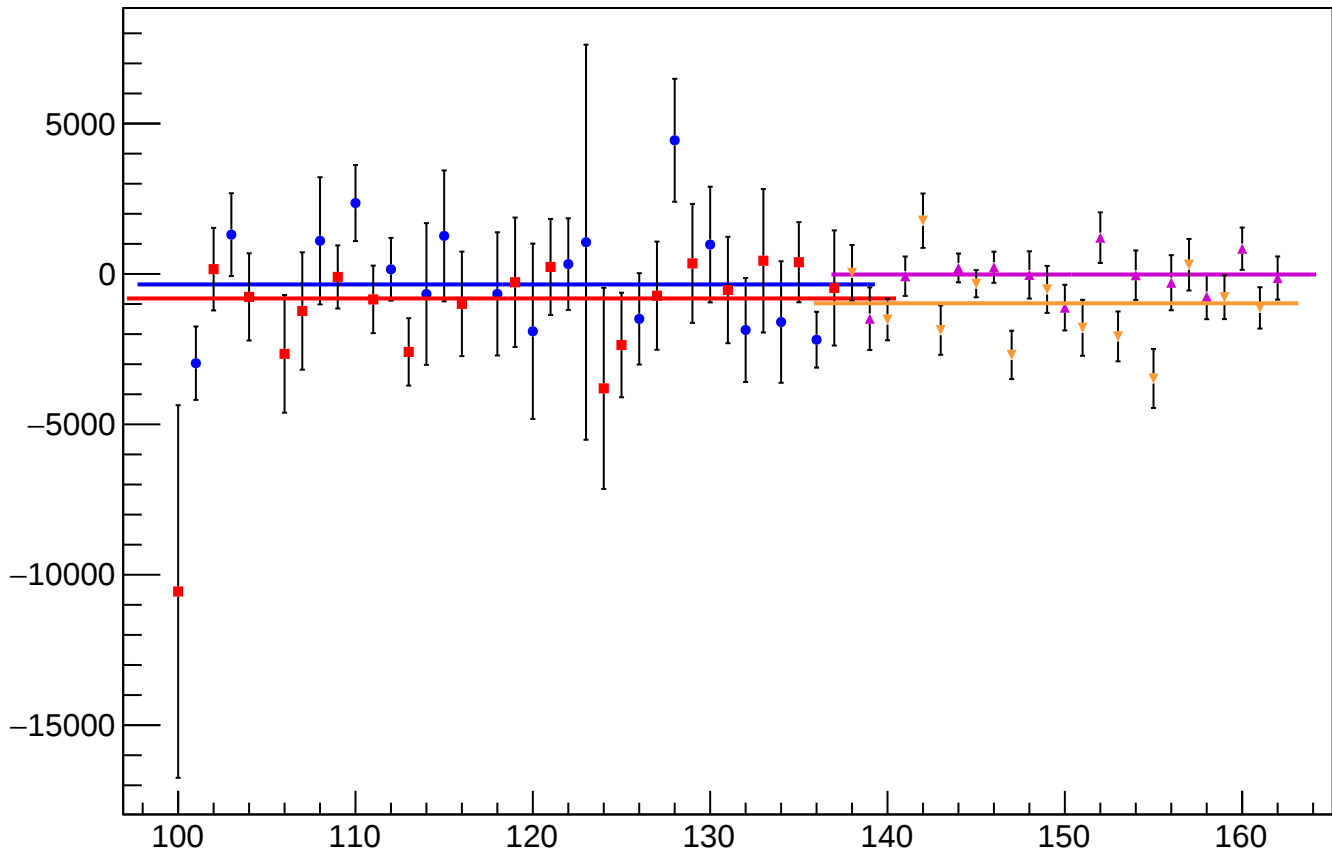
Left In: 65.191+/-0.015 χ^2/NDF :245912.0/11

+ sign 68.149+/-0.012 χ^2/NDF : 977512.0/29

All: 67.737+/-0.009 χ^2/NDF : 2047951.2/60

- sign 67.342+/-0.012 χ^2/NDF : 1068193.5/30

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 $\pm$ 381.994 χ^2/NDF : 24.1/16

Left Out: -974.469 $\pm$ 208.268 χ^2/NDF : 30.6/12

Right Out: -814.154 $\pm$ 369.807 χ^2/NDF : 10.5/18

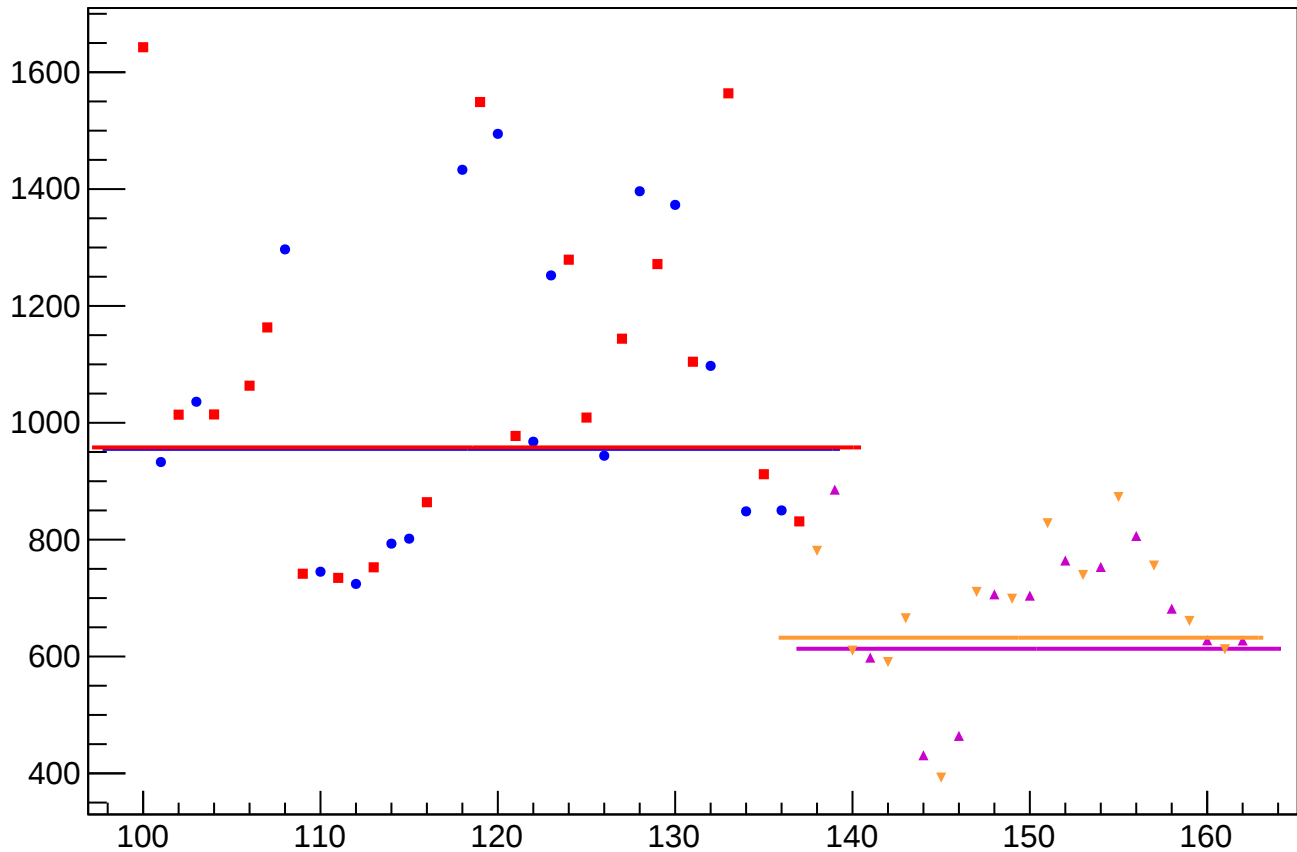
Left In: -17.572 $\pm$ 201.932 χ^2/NDF : 9.2/11

+ sign -830.903 $\pm$ 182.856 χ^2/NDF : 56.7/29

All: -505.874 $\pm$ 127.264 χ^2/NDF : 86.1/60

- sign -200.534 $\pm$ 177.231 χ^2/NDF : 23.3/30

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 632.186+/-0.147 χ^2/NDF : 942186.8/12

Right Out: 957.849+/-0.261 χ^2/NDF : 693081.8/18

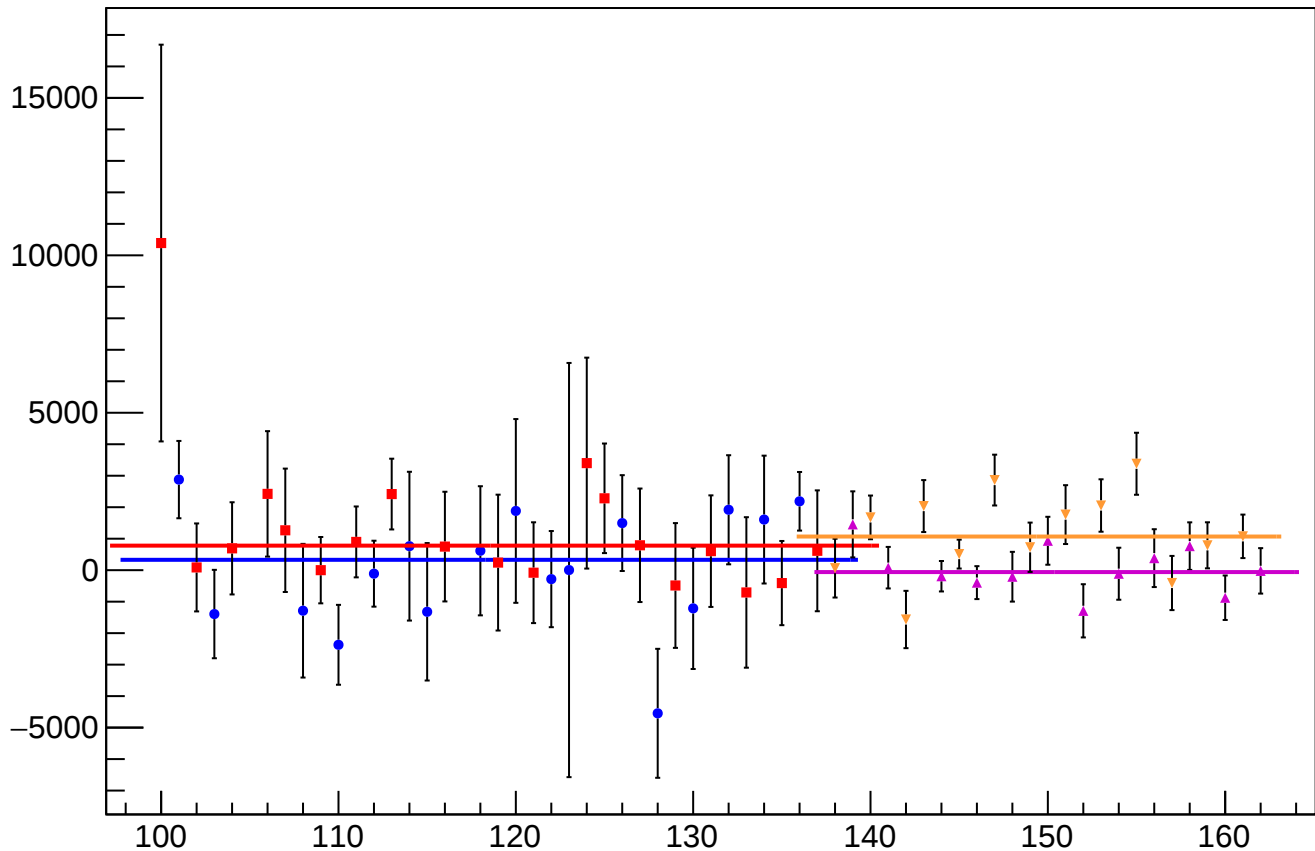
Left In: 613.265+/-0.143 χ^2/NDF : 880440.5/11

+ sign 706.254+/-0.129 χ^2/NDF : 2692628.1/29

All: 699.116+/-0.090 χ^2/NDF : 5609694.9/60

- sign 692.410+/-0.125 χ^2/NDF : 2911156.2/30

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 1068.534 ± 209.672 χ^2/NDF : 28.8/12

Right Out: 779.623 ± 371.673 χ^2/NDF : 9.3/18

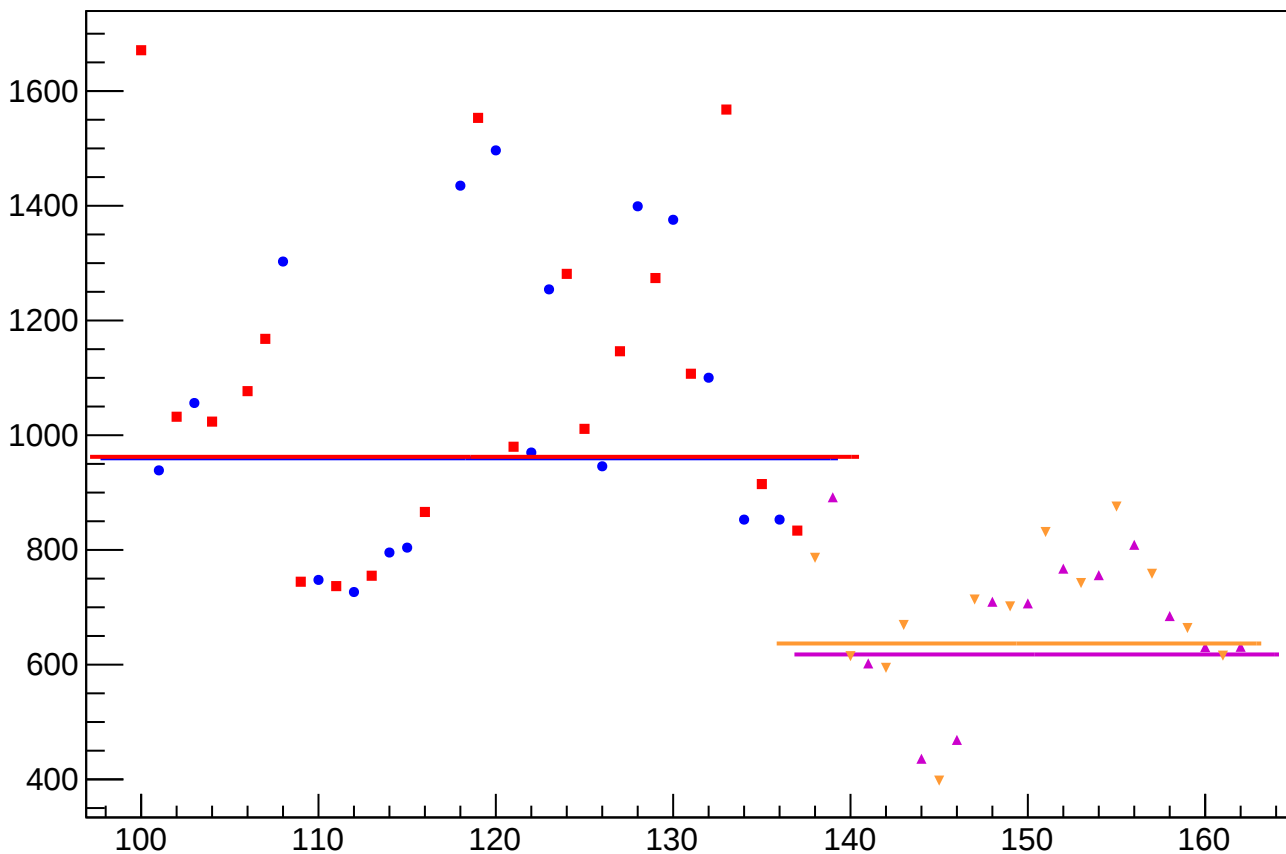
Left In: -60.235 ± 203.295 χ^2/NDF : 9.2/11

+ sign 898.539 ± 183.997 χ^2/NDF : 56.0/29

All: 503.948 ± 128.065 χ^2/NDF : 87.4/60

- sign 133.171 ± 178.358 χ^2/NDF : 22.5/30

asym_sam_37_avg_rms vs Slug



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 636.888+/-0.148 χ^2/NDF : 915679.4/12

Right Out: 962.314+/-0.263 χ^2/NDF : 695757.2/18

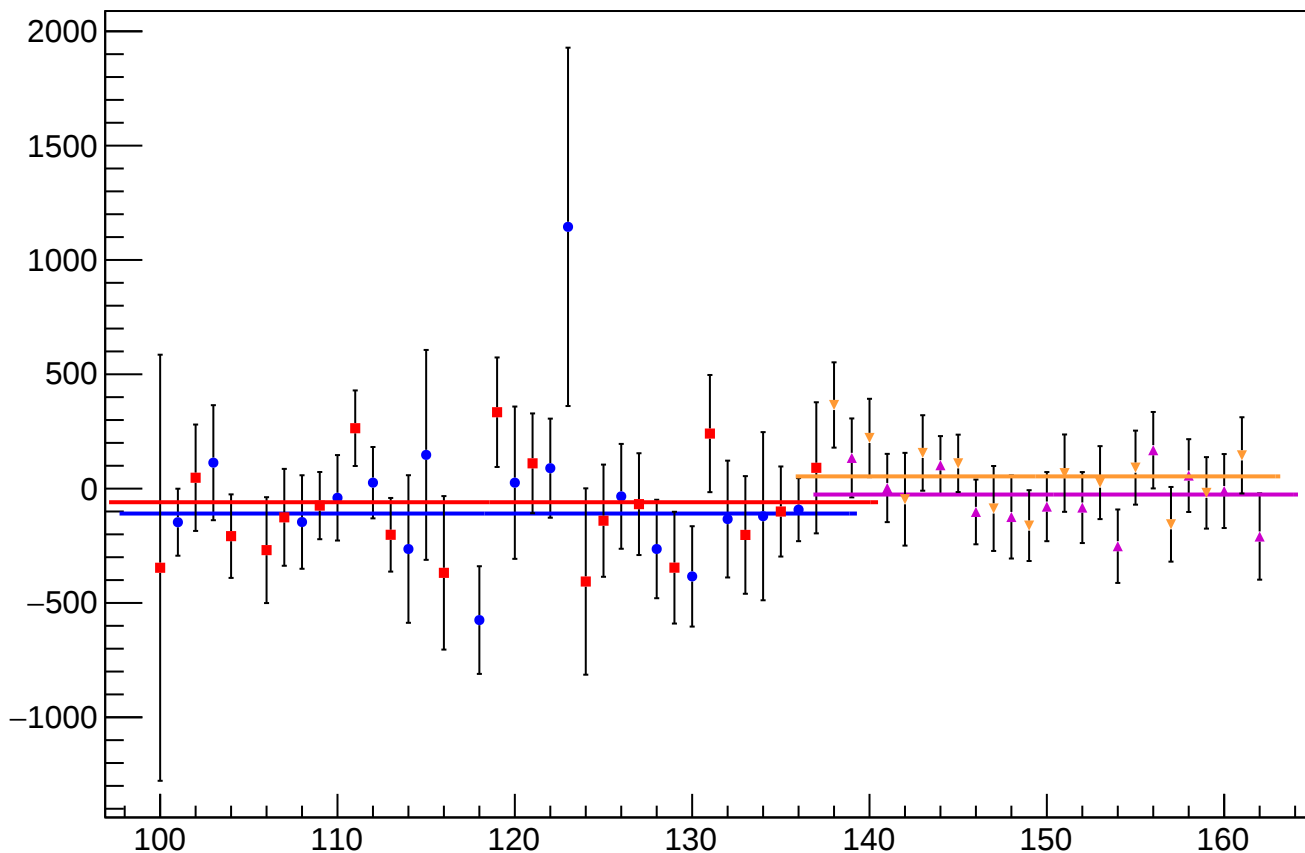
Left In: 617.780+/-0.144 χ^2/NDF : 859414.4/11

+ sign 711.125+/-0.130 χ^2/NDF : 2652863.0/29

All: 703.905+/-0.091 χ^2/NDF : 5536831.3/60

- sign 697.121+/-0.126 χ^2/NDF : 2877995.5/30

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 53.520 ± 45.415 χ^2/NDF : 9.4/12

Right Out: -59.475 ± 50.822 χ^2/NDF : 14.9/18

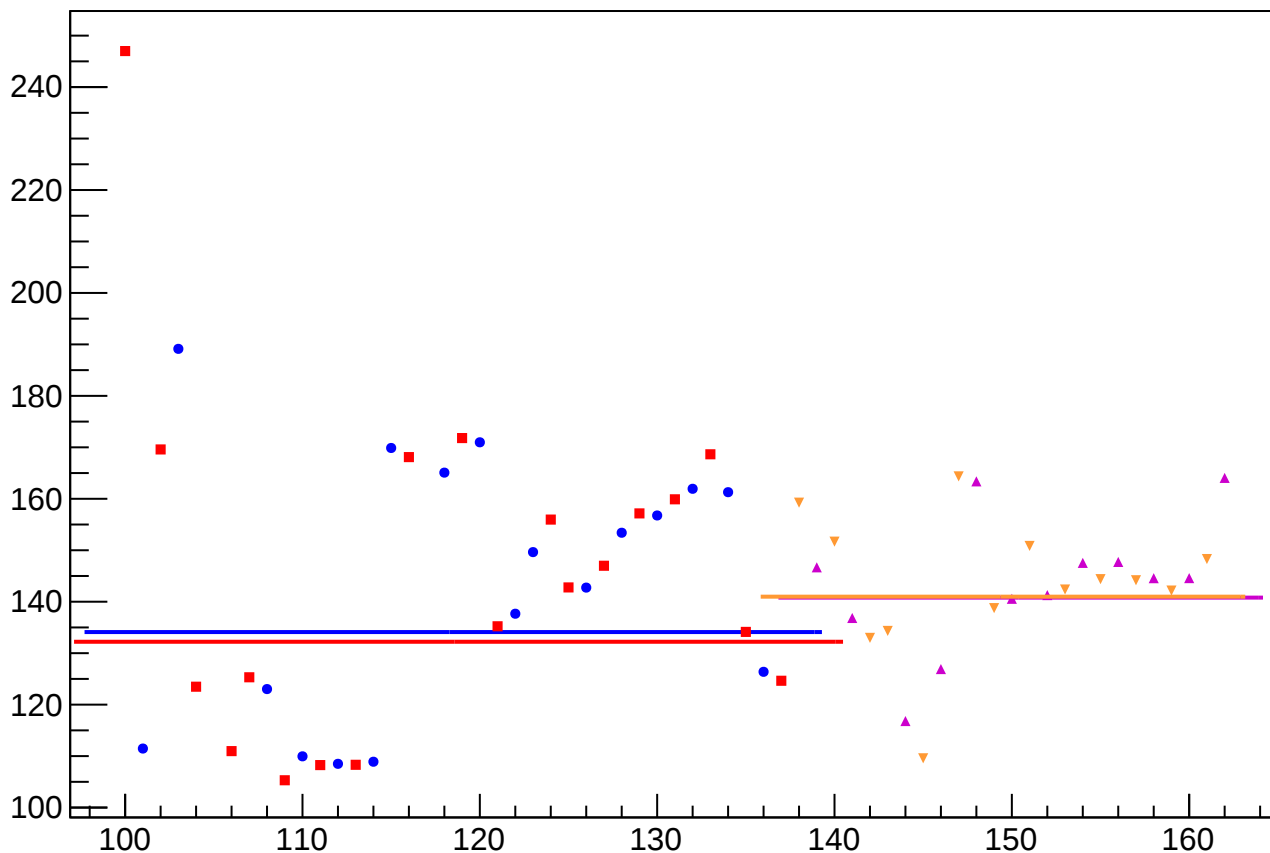
Left In: -25.848 ± 45.371 χ^2/NDF : 7.3/11

+ sign -15.395 ± 34.465 χ^2/NDF : 26.8/29

All: -28.308 ± 24.148 χ^2/NDF : 49.5/60

- sign -40.762 ± 33.846 χ^2/NDF : 22.4/30

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 +/- 0.037 χ^2/NDF : 402581.2/16

Left Out: 140.981 +/- 0.032 χ^2/NDF : 203314.6/12

Right Out: 132.219 +/- 0.036 χ^2/NDF : 441738.5/18

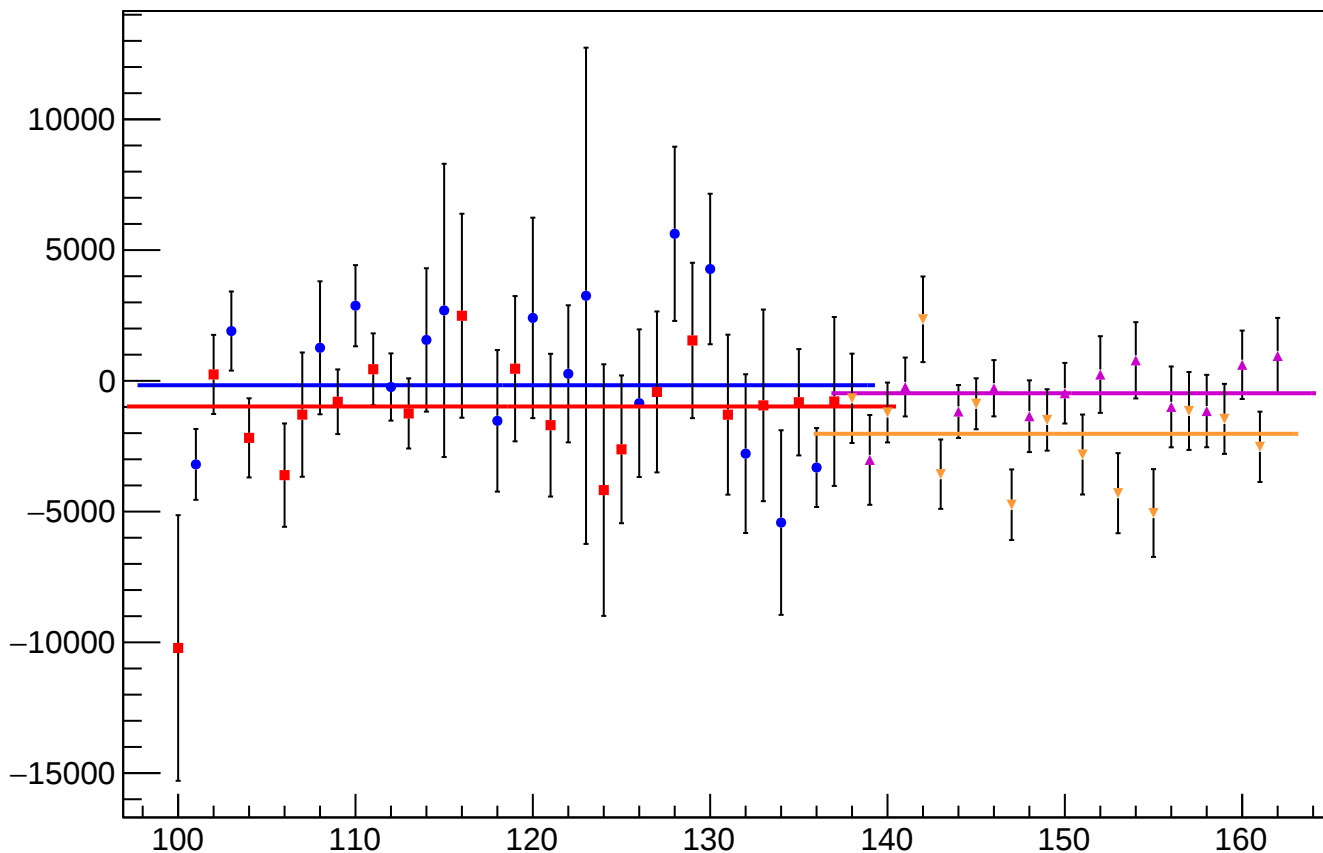
Left In: 140.796 +/- 0.032 χ^2/NDF : 164402.7/11

+ sign 138.064 +/- 0.024 χ^2/NDF : 625348.7/29

All: 137.518 +/- 0.017 χ^2/NDF : 1264178.0/60

- sign 136.992 +/- 0.024 χ^2/NDF : 637844.2/30

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -2025.192 ± 374.121 χ^2/NDF : 21.7/12

Right Out: -980.517 ± 480.968 χ^2/NDF : 10.2/18

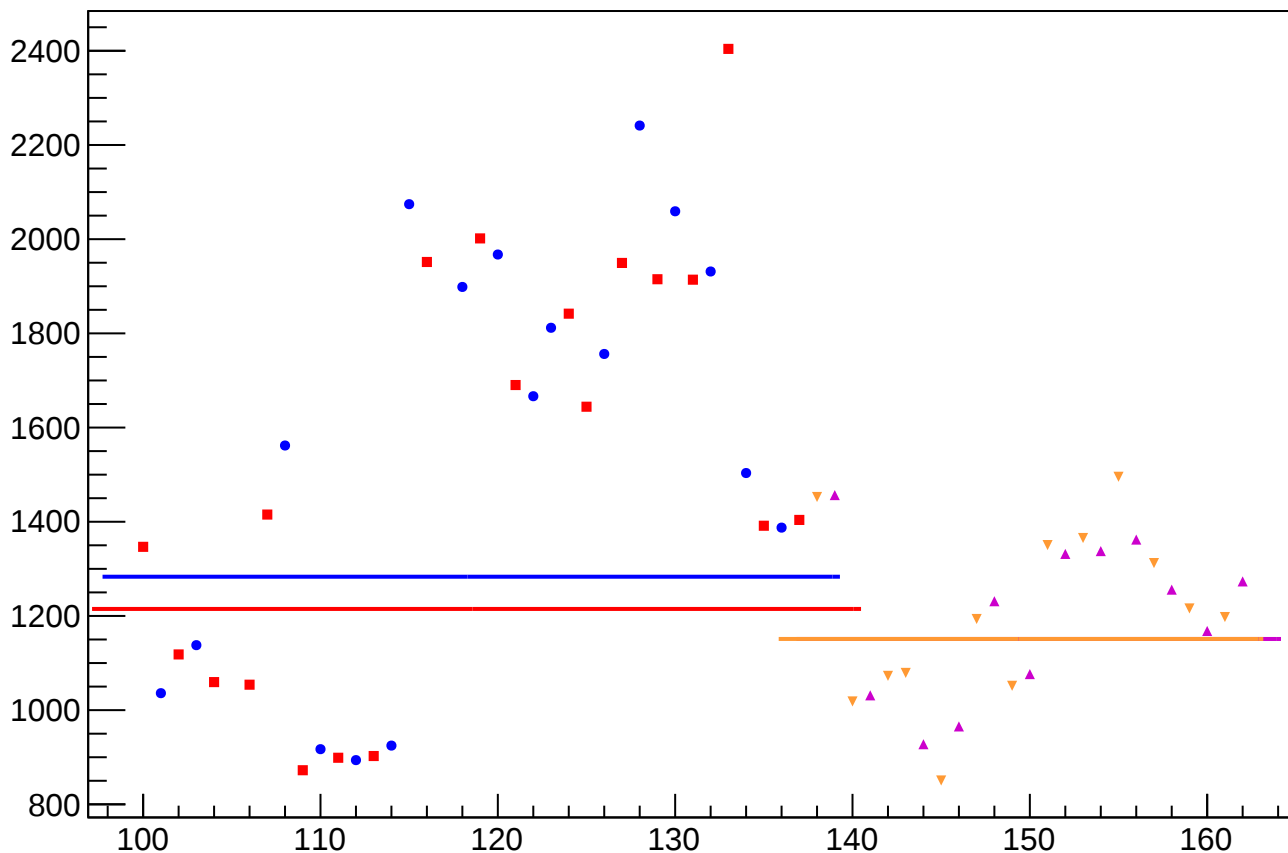
Left In: -474.155 ± 373.254 χ^2/NDF : 6.2/11

+ sign -1397.688 ± 304.416 χ^2/NDF : 55.3/29

All: -1019.418 ± 211.801 χ^2/NDF : 75.3/60

- sign -664.485 ± 294.876 χ^2/NDF : 17.0/30

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1151.160+/-0.265 χ^2/NDF : 493898.7/12

Right Out: 1214.883+/-0.340 χ^2/NDF : 1360860.3/18

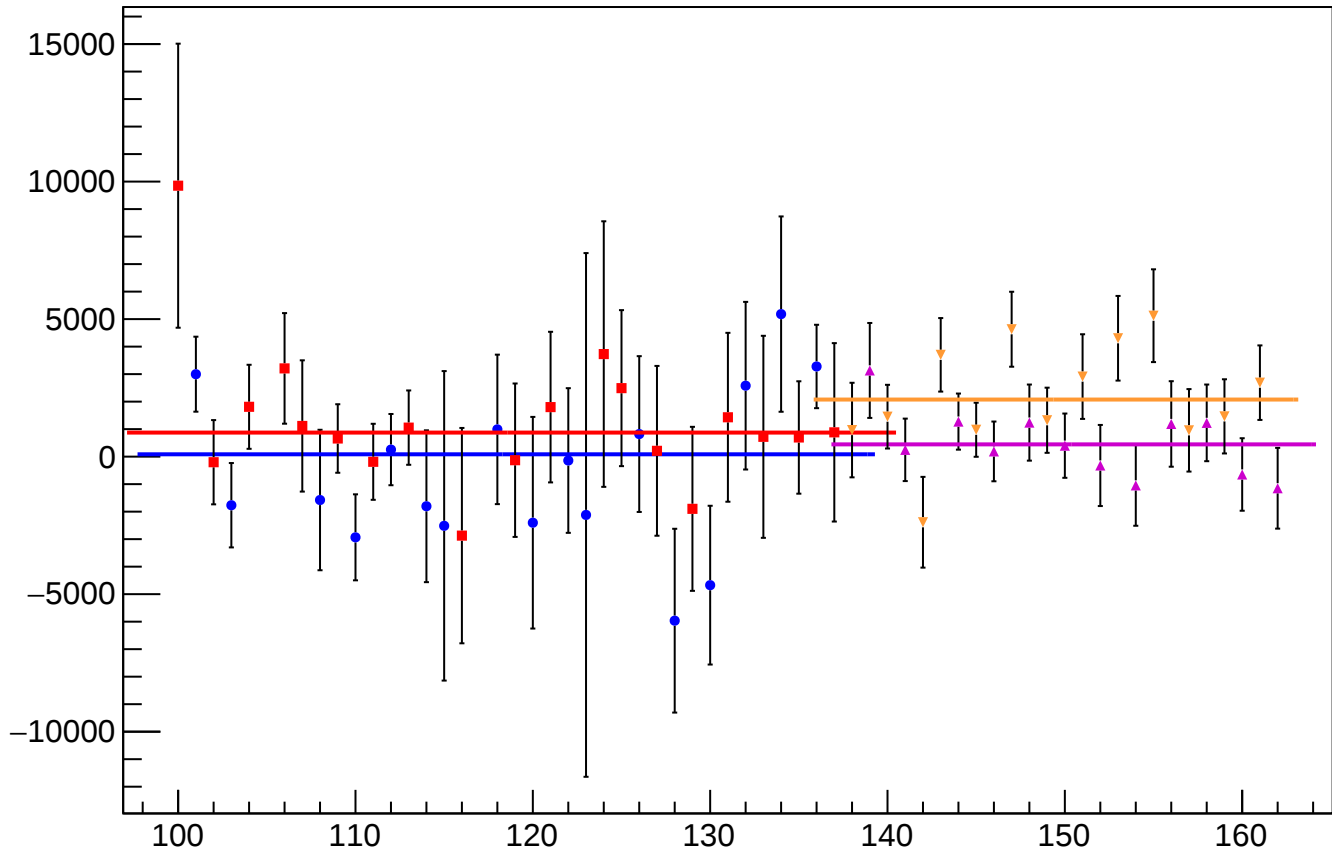
Left In: 1151.116+/-0.264 χ^2/NDF : 384420.0/11

+ sign 1195.819+/-0.215 χ^2/NDF : 1747665.1/29

All: 1185.122+/-0.150 χ^2/NDF : 3519673.0/60

- sign 1175.085+/-0.209 χ^2/NDF : 1767221.2/30

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 2075.484 ± 377.068 χ^2/NDF : 21.3/12

Right Out: 874.592 ± 484.647 χ^2/NDF : 8.7/18

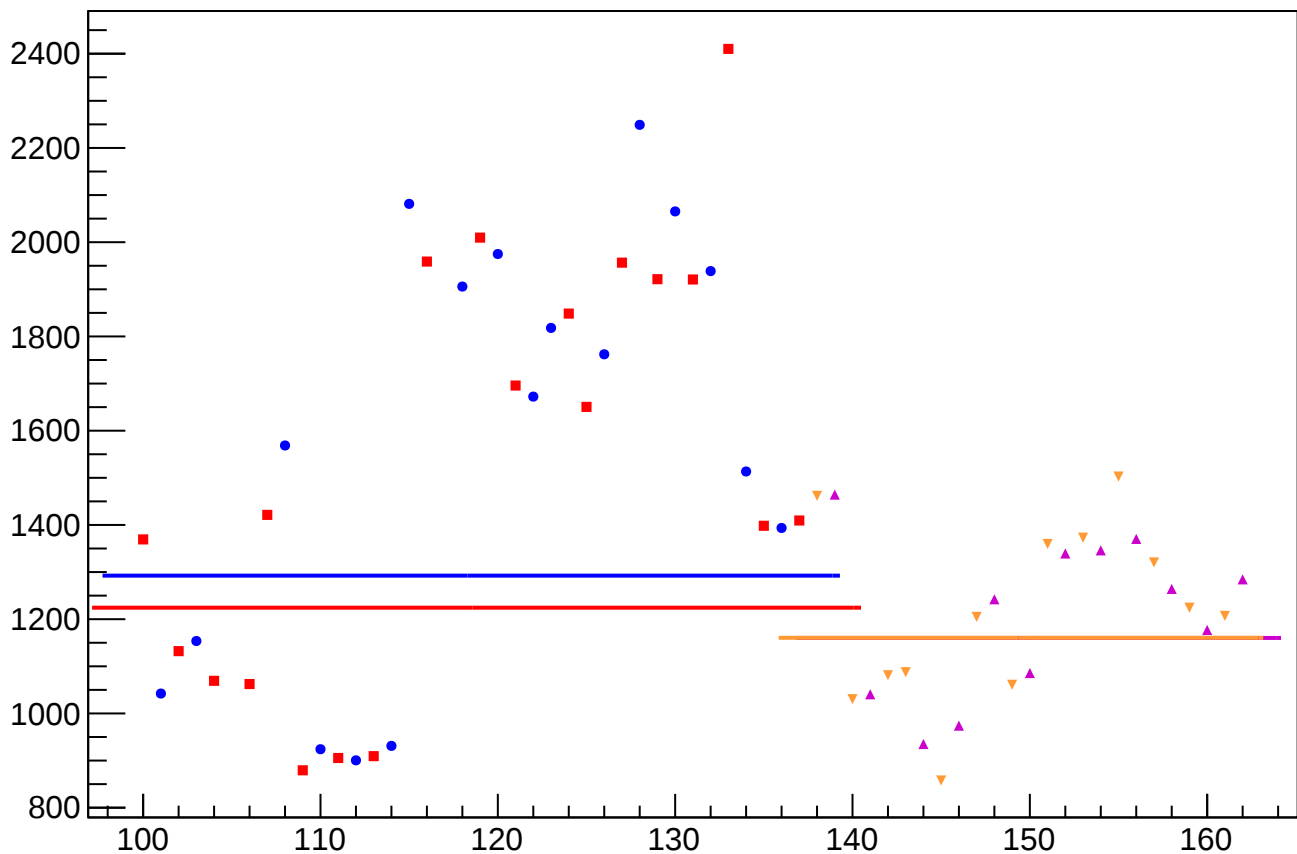
Left In: 445.913 ± 376.143 χ^2/NDF : 7.2/11

+ sign 1401.678 ± 306.673 χ^2/NDF : 55.4/29

All: 991.839 ± 213.403 χ^2/NDF : 75.3/60

- sign 607.062 ± 297.148 χ^2/NDF : 16.4/30

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1160.499+/-0.267 χ^2 /NDF: 486960.1/12

Right Out: 1224.429+/-0.343 χ^2 /NDF: 1345748.2/18

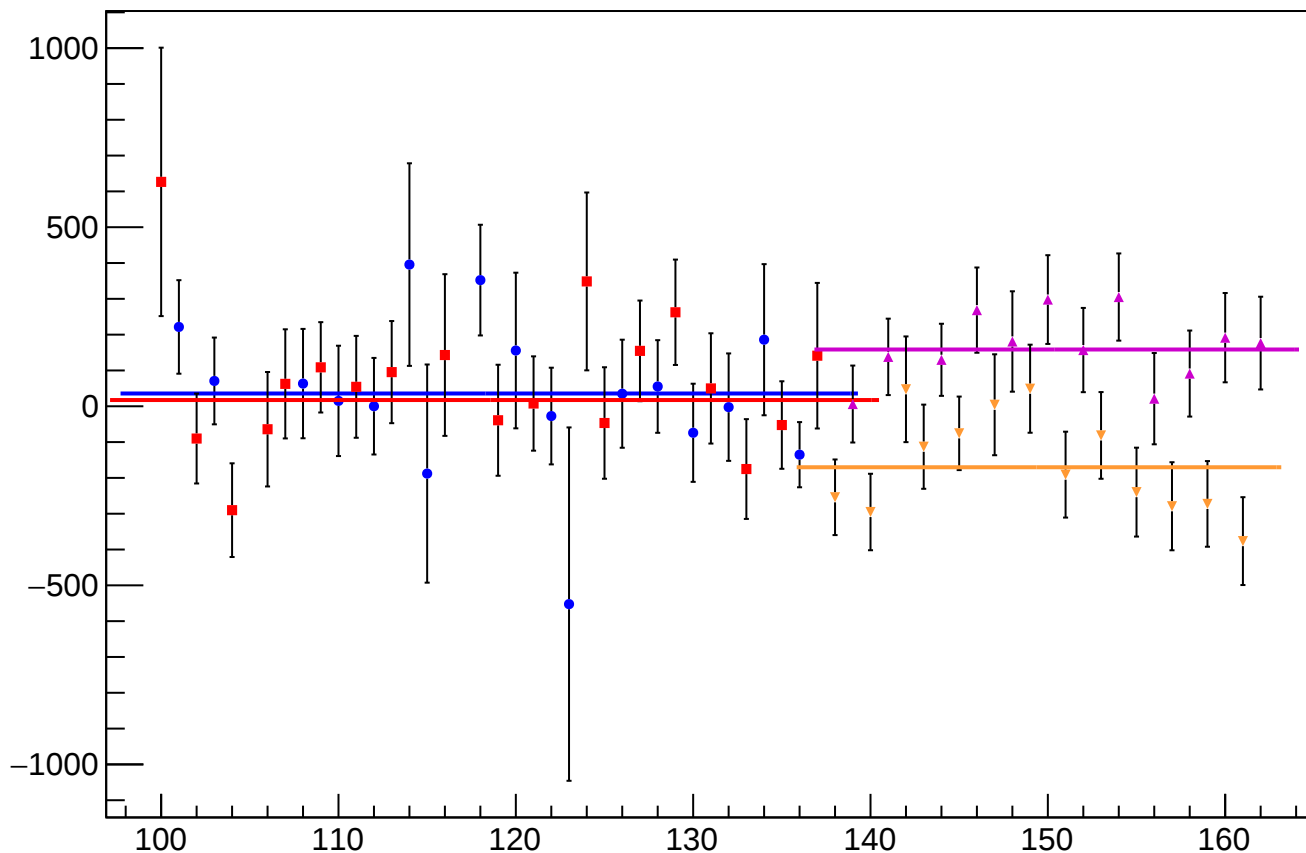
Left In: 1160.221+/-0.266 χ^2 /NDF: 379574.6/11

+ sign 1205.160+/-0.217 χ^2 /NDF: 1726416.1/29

All: 1194.431+/-0.151 χ^2 /NDF: 3478393.0/60

- sign 1184.358+/-0.210 χ^2 /NDF: 1747230.8/30

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -170.268+/-33.105 χ^2/NDF : 15.2/12

Right Out: 17.418+/-34.691 χ^2/NDF : 18.9/18

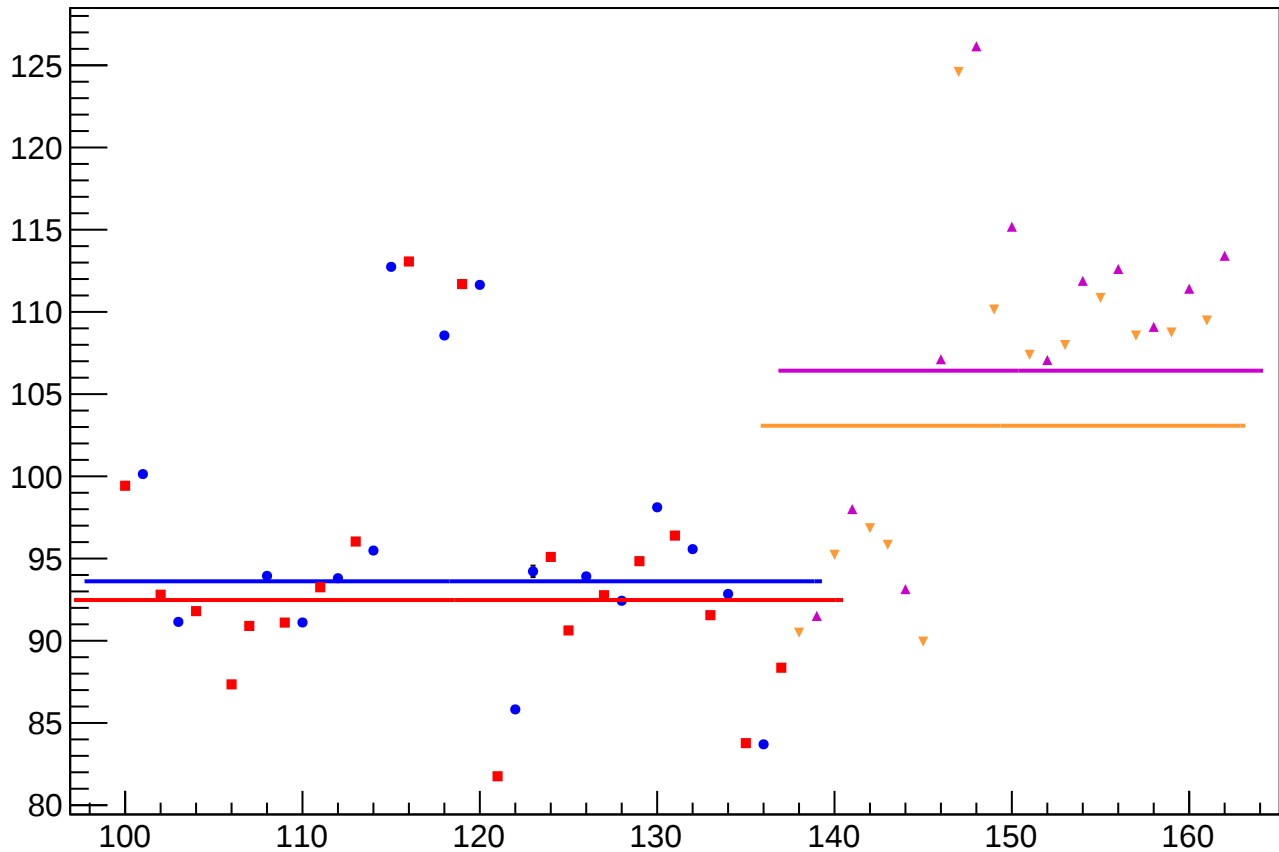
Left In: 158.512+/-34.211 χ^2/NDF : 7.3/11

+ sign -76.896+/-24.476 χ^2/NDF : 48.0/29

All: 6.424+/-17.266 χ^2/NDF : 105.7/60

- sign 88.948+/-24.359 χ^2/NDF : 34.6/30

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 103.077+/-0.023 χ^2/NDF :164010.1/12

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

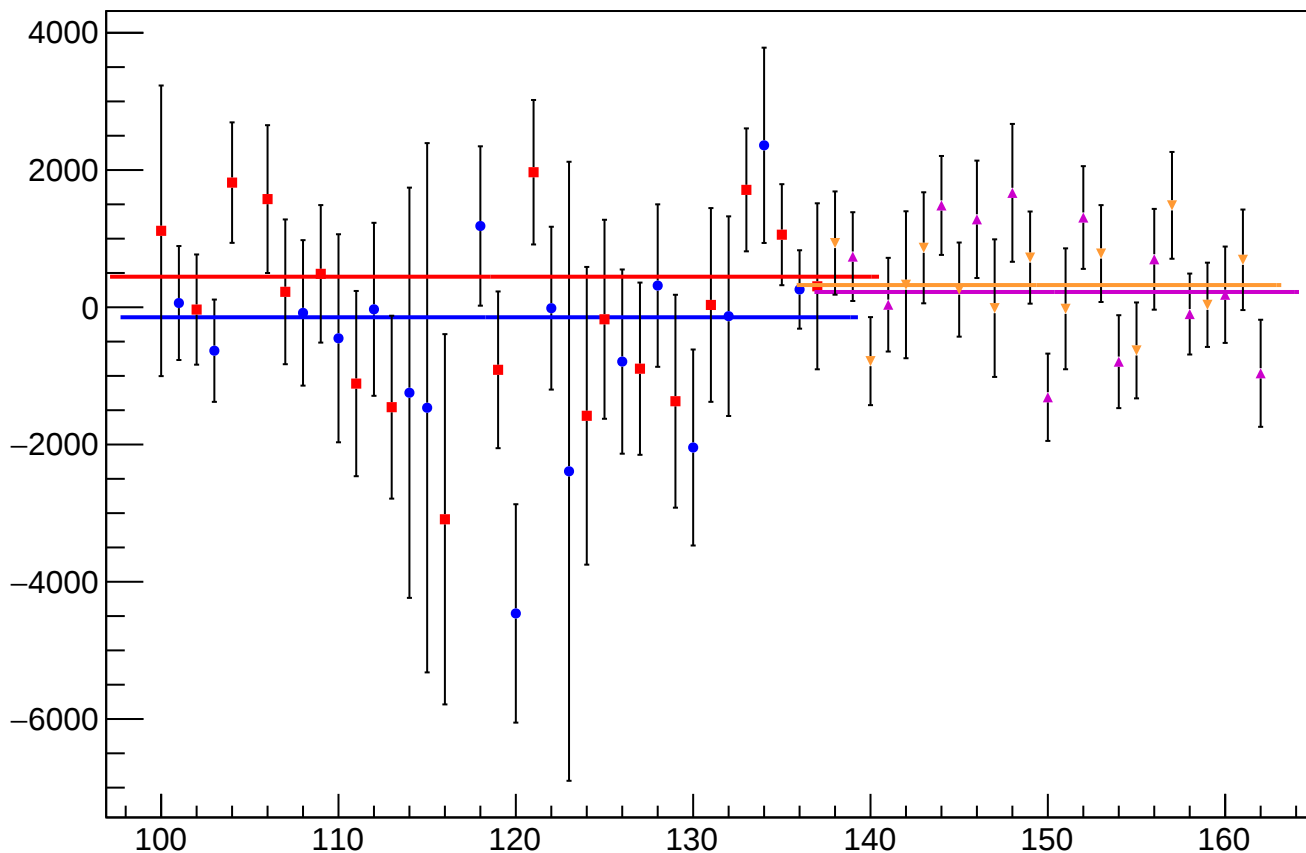
Left In: 106.426+/-0.024 χ^2/NDF :154327.9/11

+ sign 98.788+/-0.017 χ^2/NDF : 318003.1/29

All: 99.170+/-0.012 χ^2/NDF : 715825.0/60

- sign 99.549+/-0.017 χ^2/NDF : 396850.4/30

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 323.843 ± 206.517 χ^2/NDF : 9.7/12

Right Out: 445.575 ± 260.276 χ^2/NDF : 19.0/18

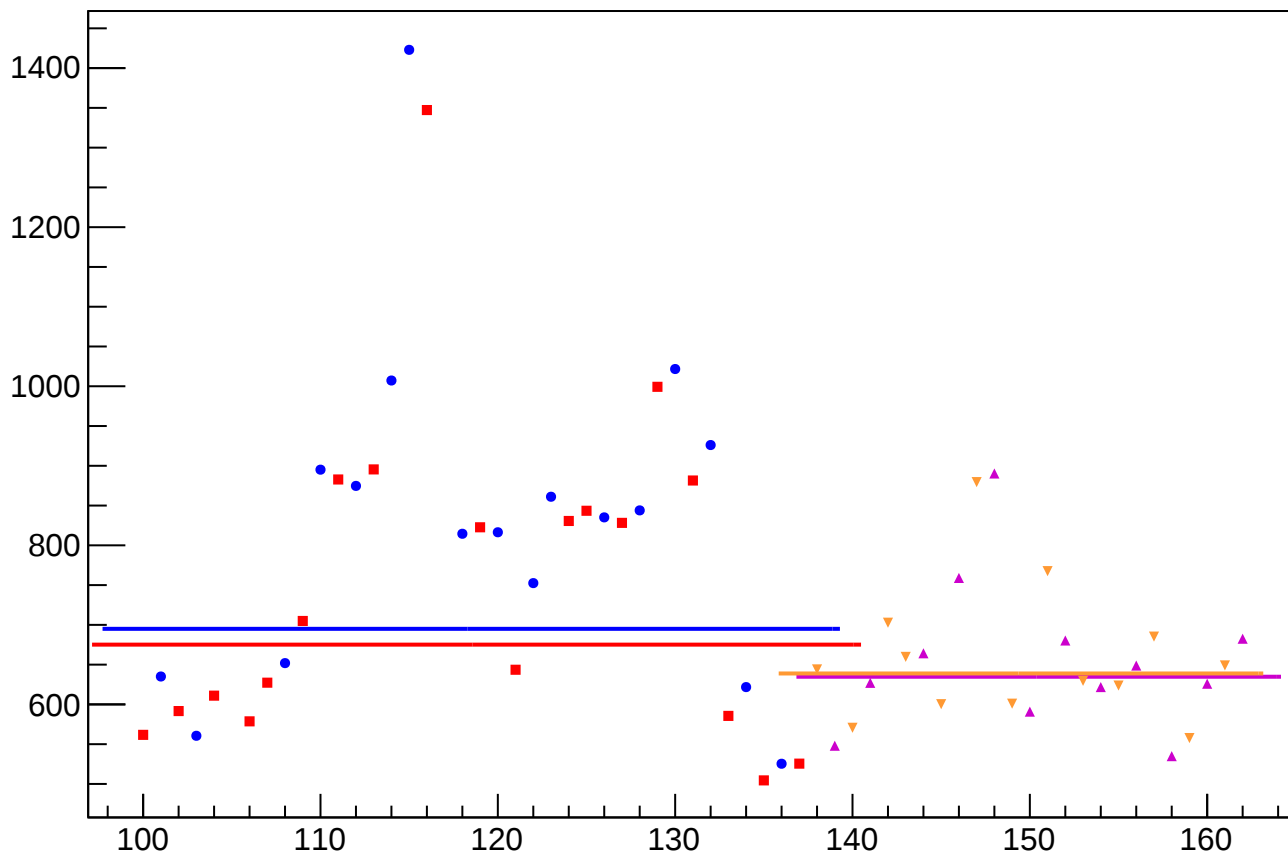
Left In: 222.927 ± 205.604 χ^2/NDF : 20.6/11

+ sign 155.889 ± 165.487 χ^2/NDF : 27.0/29

All: 234.121 ± 115.522 χ^2/NDF : 67.5/60

- sign 308.478 ± 161.338 χ^2/NDF : 40.0/30

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 638.882 $\pm$ 0.146 χ^2 /NDF: 245482.0/12

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

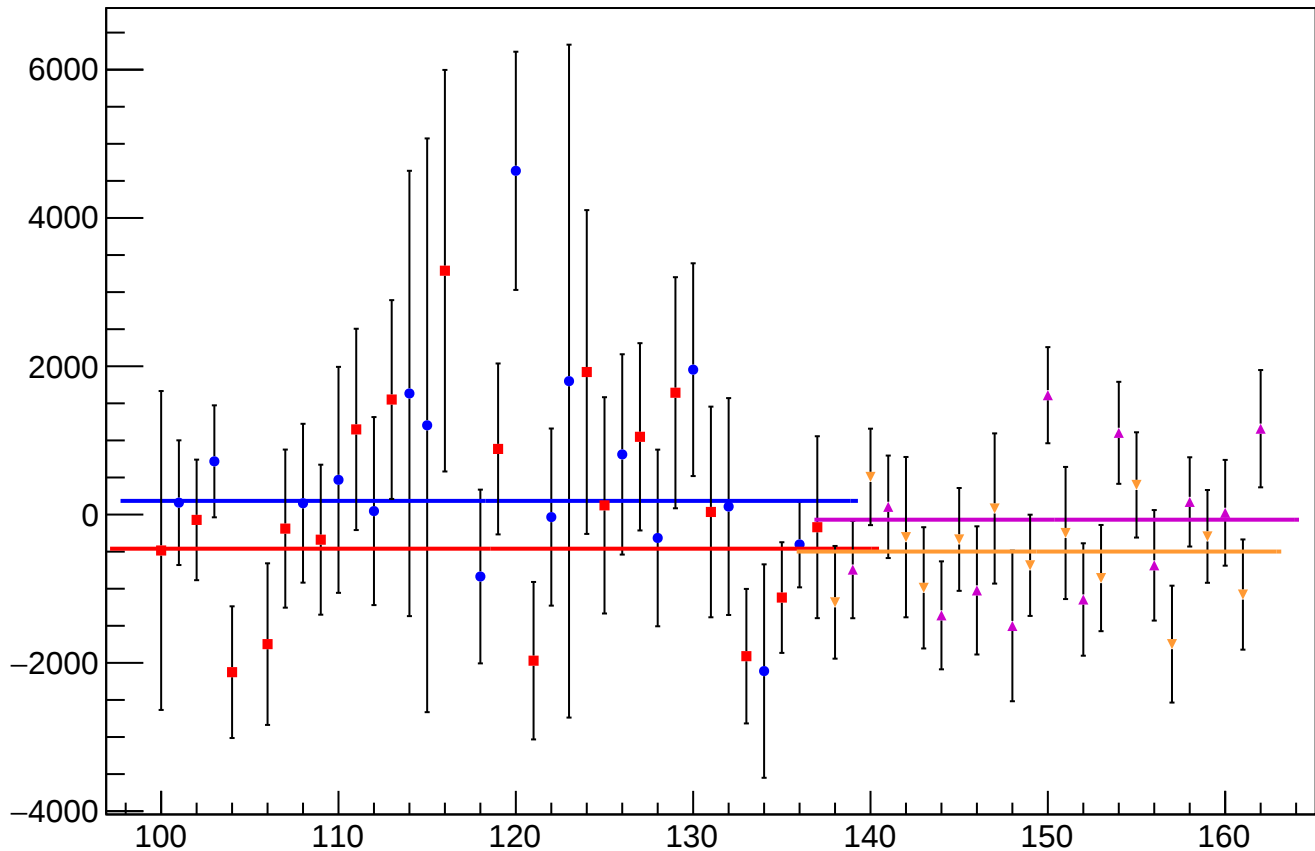
Left In: 634.792 $\pm$ 0.145 χ^2 /NDF: 294672.8/11

+ sign 658.971 $\pm$ 0.117 χ^2 /NDF: 976071.7/29

All: 654.525 $\pm$ 0.082 χ^2 /NDF: 1979565.2/60

- sign 650.299 $\pm$ 0.114 χ^2 /NDF: 1000678.2/30

asym_sam_15_dd_mean vs Slug



Right In: 184.518 $\pm$ 279.390 χ^2/NDF : 14.9/16

Left Out: -498.784 $\pm$ 209.357 χ^2/NDF : 9.2/12

Right Out: -460.174 $\pm$ 262.960 χ^2/NDF : 22.3/18

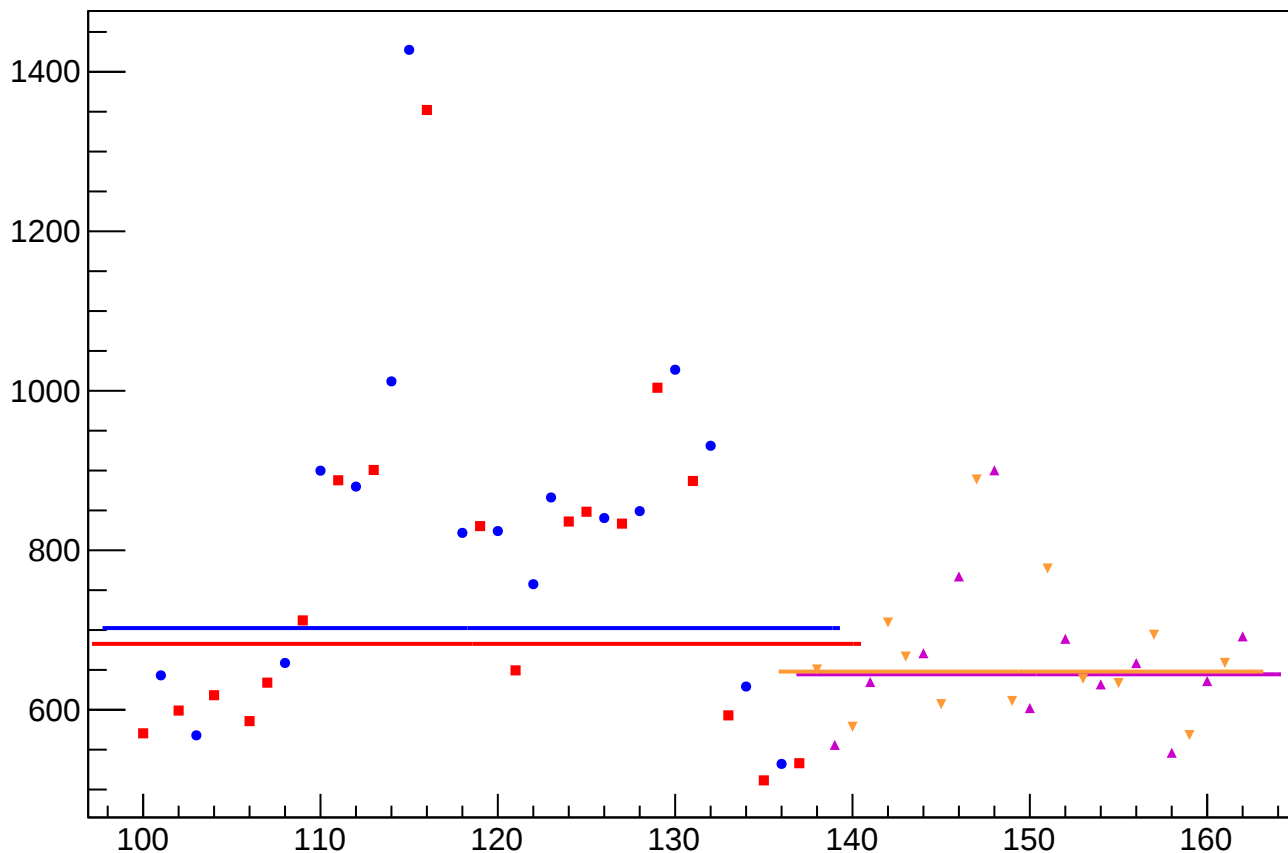
Left In: -69.203 $\pm$ 208.651 χ^2/NDF : 22.4/11

+ sign -253.074 $\pm$ 167.539 χ^2/NDF : 28.0/29

All: -236.259 $\pm$ 116.995 χ^2/NDF : 74.0/60

- sign -220.255 $\pm$ 163.448 χ^2/NDF : 46.0/30

asym_sam_15_dd_rms vs Slug



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 647.908 $\pm$ 0.148 χ^2 /NDF: 239035.6/12

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

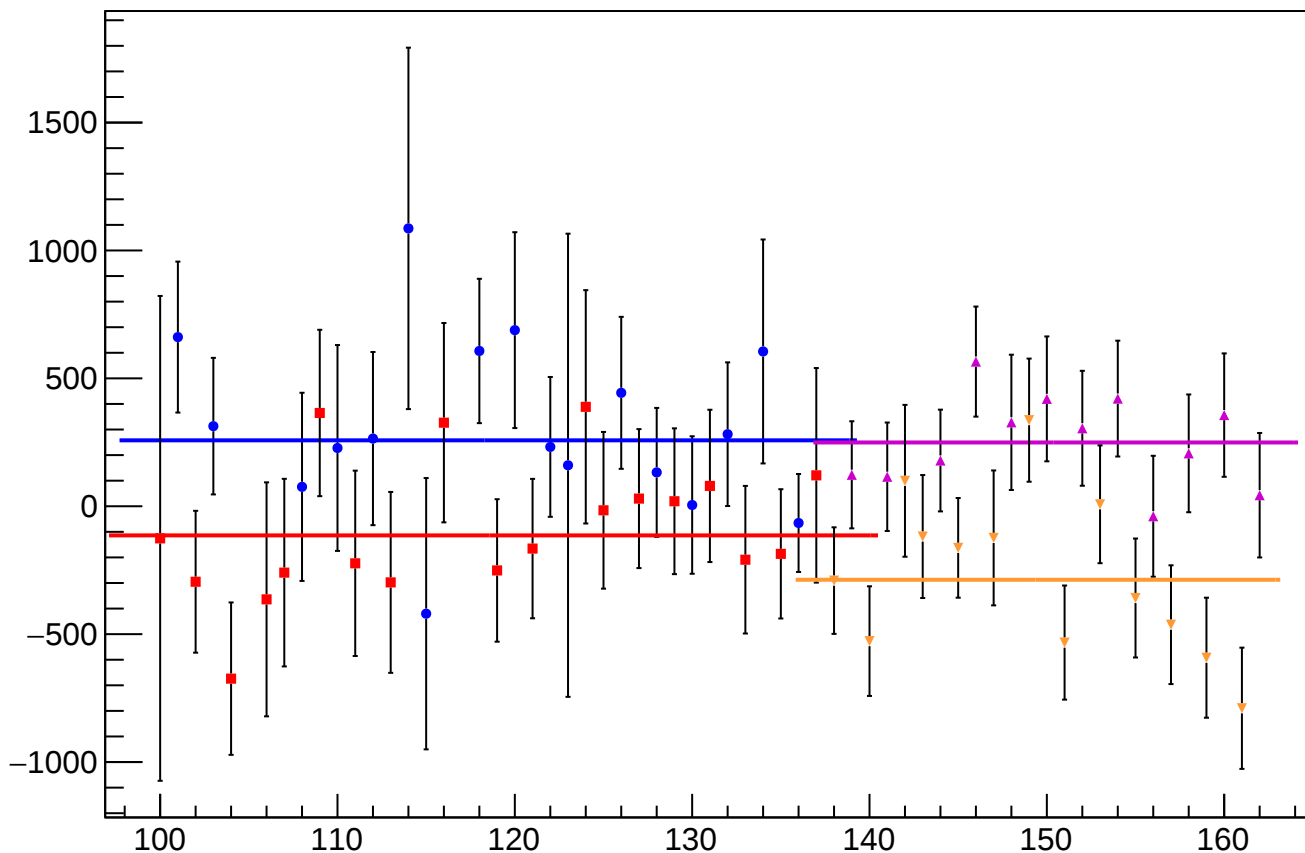
Left In: 644.471 $\pm$ 0.148 χ^2 /NDF: 284493.1/11

+ sign 667.527 $\pm$ 0.118 χ^2 /NDF: 948407.6/29

All: 663.274 $\pm$ 0.083 χ^2 /NDF: 1920826.1/60

- sign 659.226 $\pm$ 0.116 χ^2 /NDF: 969902.5/30

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 $\pm$ 75.931 χ^2/NDF : 13.0/16

Left Out: -287.380 $\pm$ 64.095 χ^2/NDF : 20.7/12

Right Out: -113.851 $\pm$ 74.211 χ^2/NDF : 11.2/18

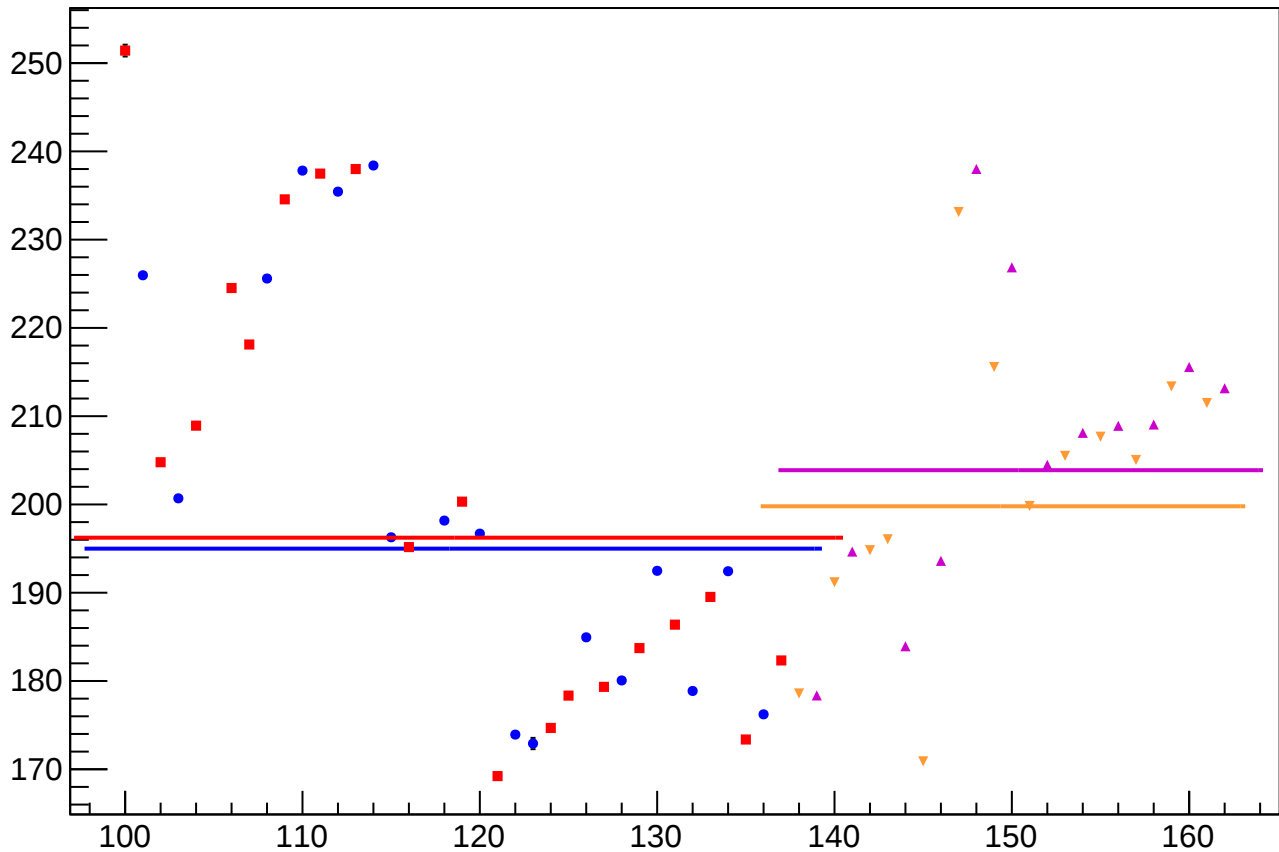
Left In: 249.381 $\pm$ 65.482 χ^2/NDF : 6.7/11

+ sign -60.579 $\pm$ 48.978 χ^2/NDF : 63.8/29

All: 14.710 $\pm$ 34.676 χ^2/NDF : 99.9/60

- sign 90.374 $\pm$ 49.100 χ^2/NDF : 31.4/30

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 199.794 $\pm$ 0.045 χ^2 /NDF:125674.3/12

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

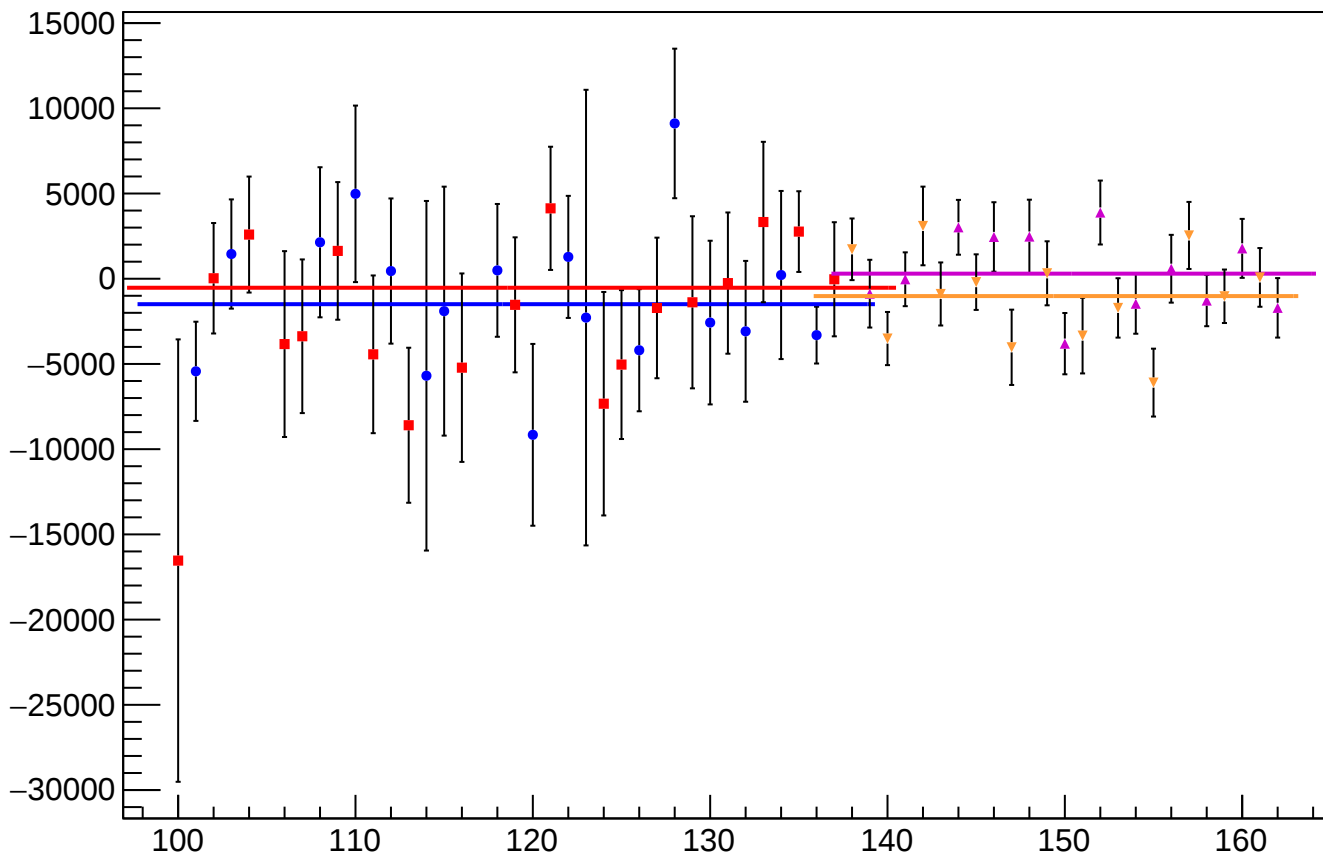
Left In: 203.881 $\pm$ 0.046 χ^2 /NDF:119451.8/11

+ sign 197.797 $\pm$ 0.035 χ^2 /NDF: 274612.2/29

All: 199.162 $\pm$ 0.025 χ^2 /NDF: 582608.5/60

- sign 200.534 $\pm$ 0.035 χ^2 /NDF: 304881.4/30

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 $\pm$ 910.834 χ^2/NDF : 16.1/16

Left Out: -1018.064 $\pm$ 509.814 χ^2/NDF : 22.1/12

Right Out: -528.758 $\pm$ 934.718 χ^2/NDF : 14.6/18

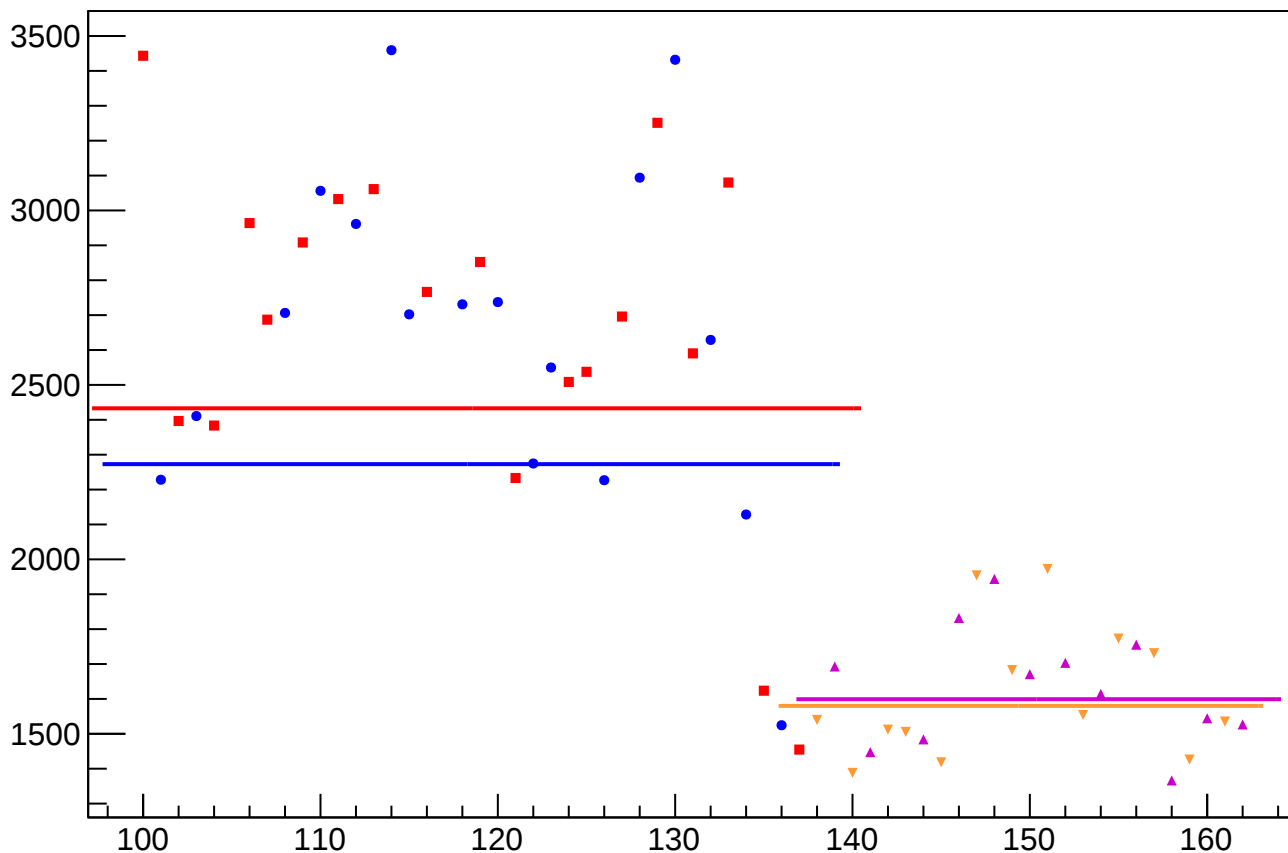
Left In: 298.010 $\pm$ 515.184 χ^2/NDF : 18.4/11

+ sign -1131.428 $\pm$ 444.868 χ^2/NDF : 38.4/29

All: -521.753 $\pm$ 316.781 χ^2/NDF : 75.9/60

- sign 105.372 $\pm$ 451.190 χ^2/NDF : 33.7/30

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883 $\pm$ 0.644 χ^2/NDF : 805650.3/16

Left Out: 1580.035 $\pm$ 0.360 χ^2/NDF : 233432.8/12

Right Out: 2432.950 $\pm$ 0.661 χ^2/NDF : 680783.9/18

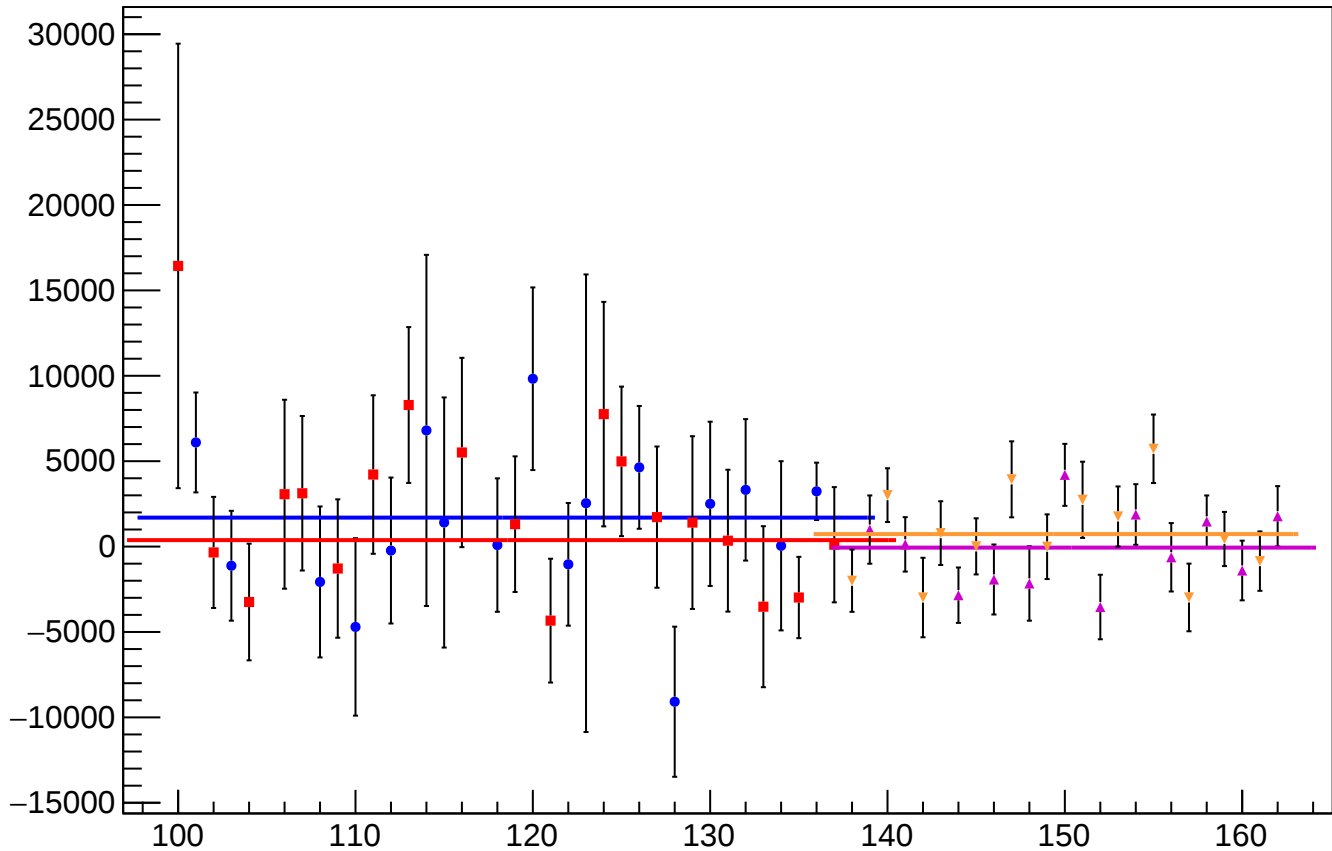
Left In: 1599.150 $\pm$ 0.364 χ^2/NDF : 185124.8/11

+ sign 1745.316 $\pm$ 0.315 χ^2/NDF : 1920269.3/29

All: 1769.032 $\pm$ 0.224 χ^2/NDF : 4018348.0/60

- sign 1793.426 $\pm$ 0.319 χ^2/NDF : 2086548.6/30

asym_sam_26_dd_mean vs Slug



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 730.866+/-514.070 χ^2/NDF : 21.0/12

Right Out: 377.629+/-938.528 χ^2/NDF : 15.0/18

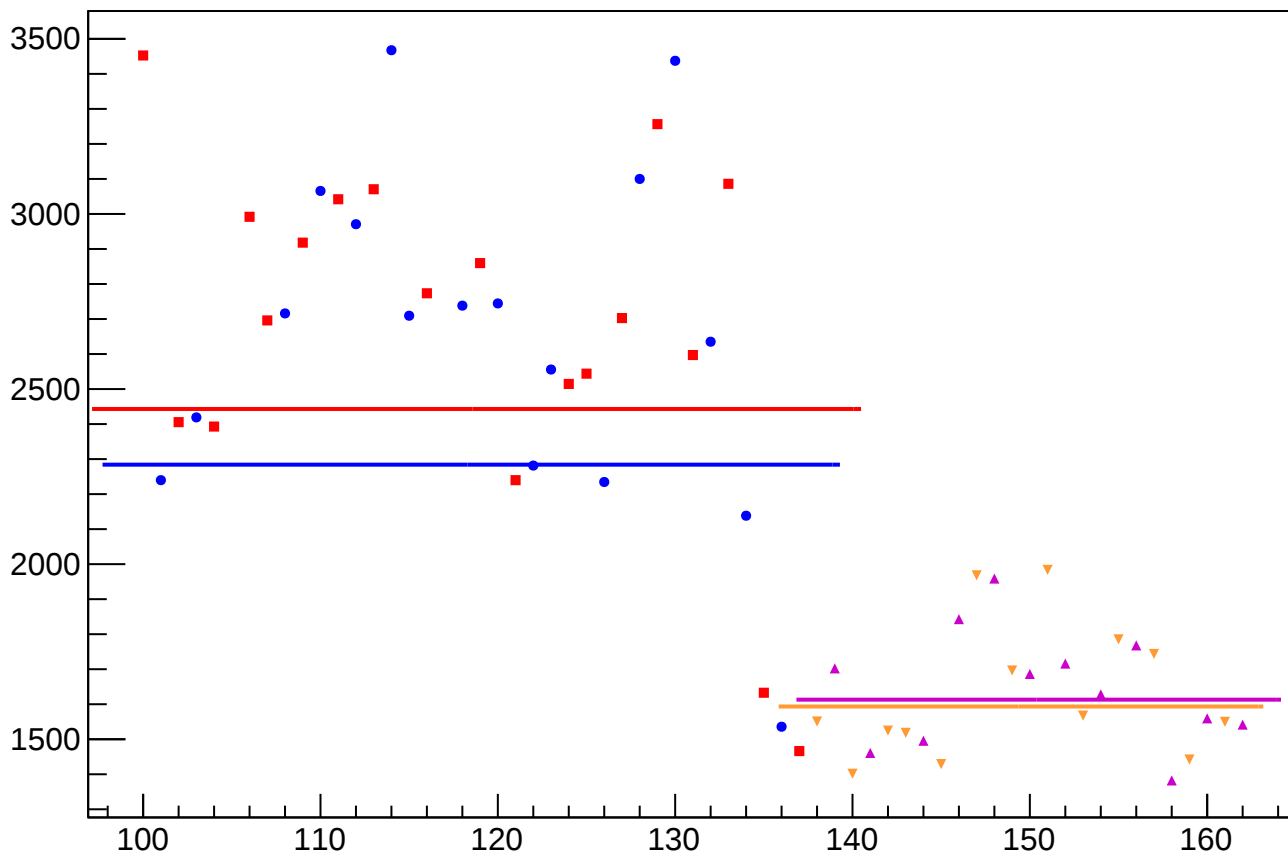
Left In: -60.871+/-519.583 χ^2/NDF : 17.9/11

+ sign 962.464+/-448.163 χ^2/NDF : 38.5/29

All: 508.764+/-319.141 χ^2/NDF : 73.6/60

- sign 41.997+/-454.571 χ^2/NDF : 33.0/30

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1593.536+/-0.364 χ^2/NDF : 229307.2/12

Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

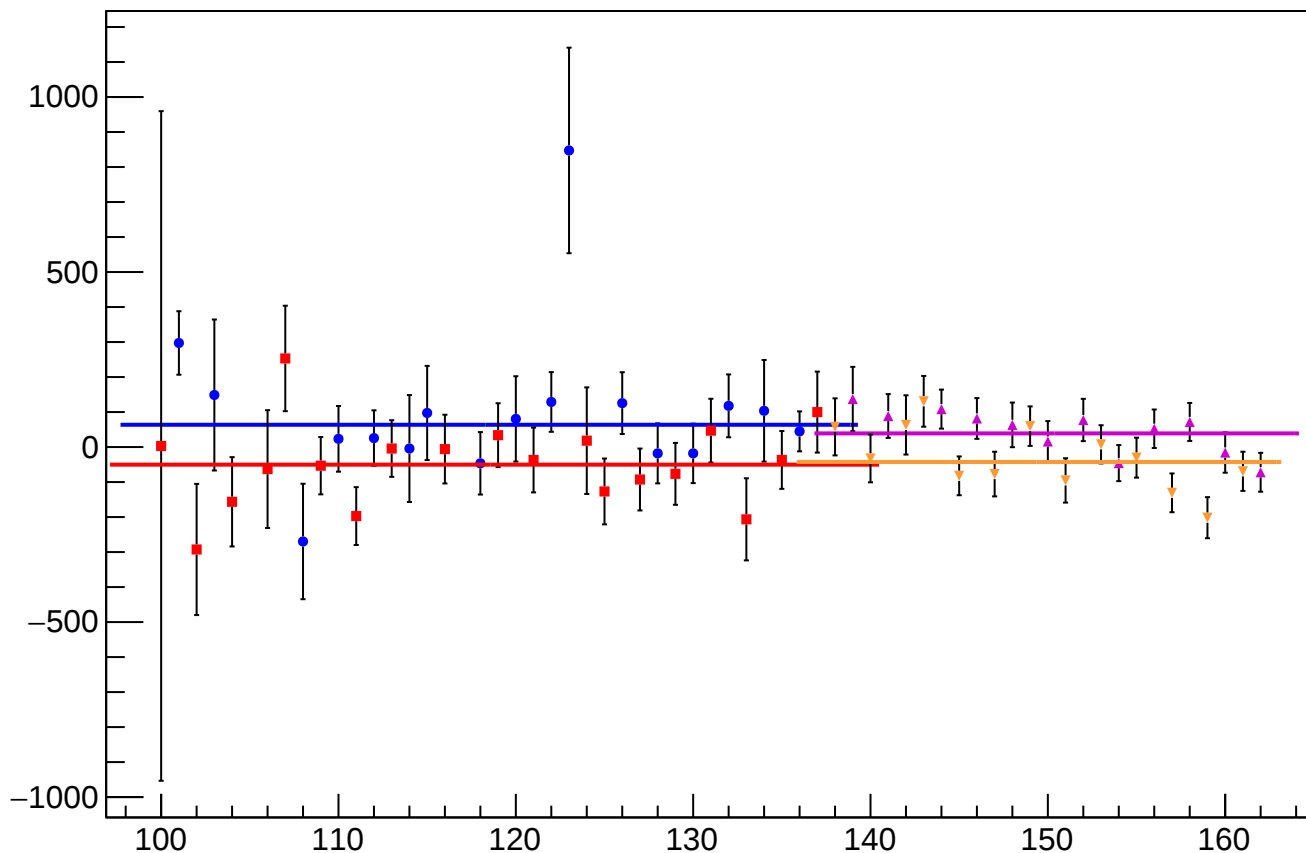
Left In: 1613.084+/-0.367 χ^2/NDF : 180494.0/11

+ sign 1759.255+/-0.317 χ^2/NDF : 1889395.4/29

All: 1783.185+/-0.226 χ^2/NDF : 3951724.3/60

- sign 1807.803+/-0.321 χ^2/NDF : 2050760.8/30

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -42.658 ± 17.127 χ^2/NDF : 24.6/12

Right Out: -50.278 ± 23.661 χ^2/NDF : 16.8/18

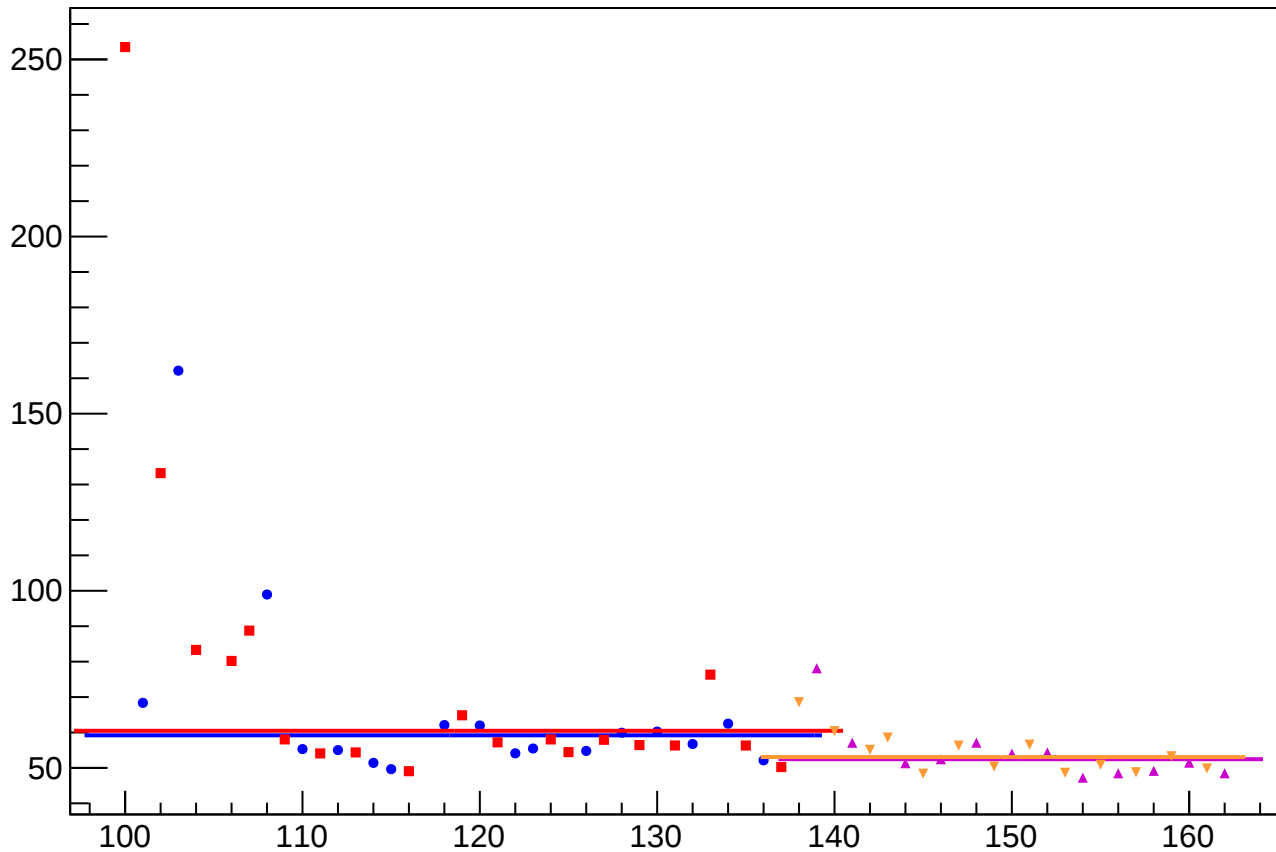
Left In: 39.012 ± 16.958 χ^2/NDF : 12.6/11

+ sign -6.267 ± 13.890 χ^2/NDF : 61.5/29

All: 1.281 ± 9.784 χ^2/NDF : 100.9/60

- sign 8.713 ± 13.783 χ^2/NDF : 38.8/30

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 53.069 $\pm$ 0.012 χ^2 /NDF: 172864.2/12

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

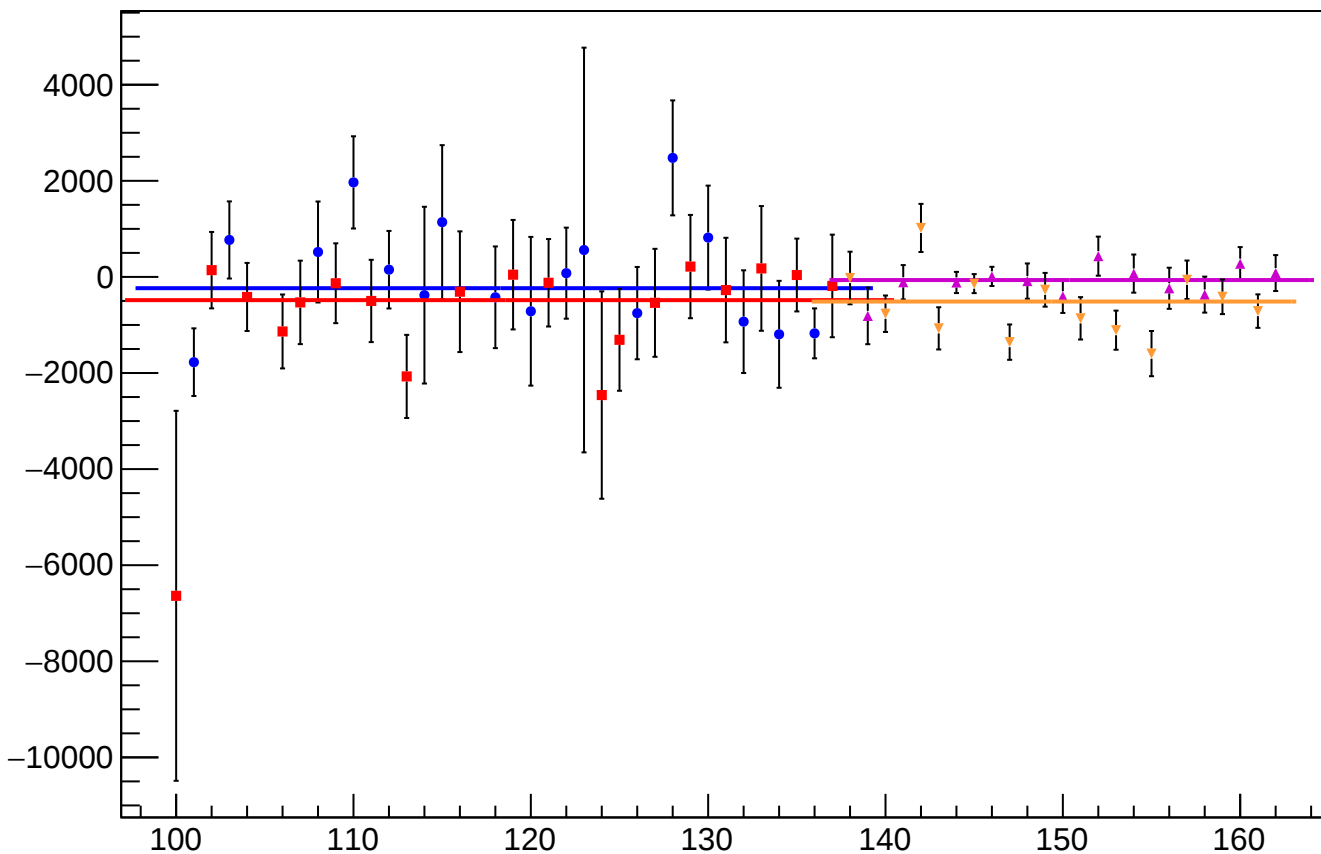
Left In: 52.466 $\pm$ 0.012 χ^2 /NDF: 230839.5/11

+ sign 55.167 $\pm$ 0.010 χ^2 /NDF: 926071.4/29

All: 55.177 $\pm$ 0.007 χ^2 /NDF: 1988653.9/60

- sign 55.187 $\pm$ 0.010 χ^2 /NDF: 1062580.6/30

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -512.456 ± 100.844 χ^2/NDF : 31.3/12

Right Out: -483.305 ± 222.314 χ^2/NDF : 10.6/18

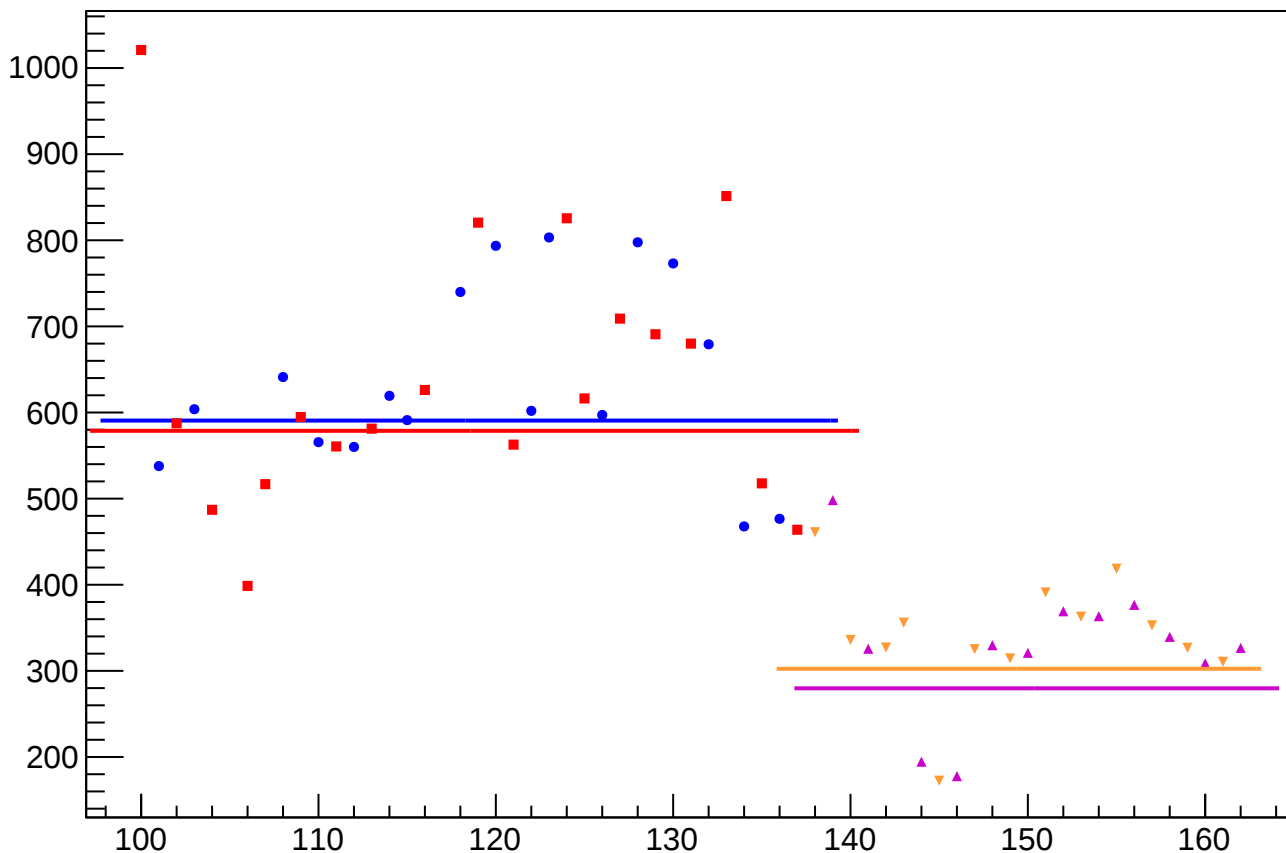
Left In: -65.119 ± 94.212 χ^2/NDF : 6.3/11

+ sign -468.880 ± 92.603 χ^2/NDF : 56.7/29

All: -287.736 ± 63.307 χ^2/NDF : 83.7/60

- sign -128.786 ± 86.744 χ^2/NDF : 19.9/30

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 302.448 $\pm$ 0.071 χ^2 /NDF:1378983.8/12

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

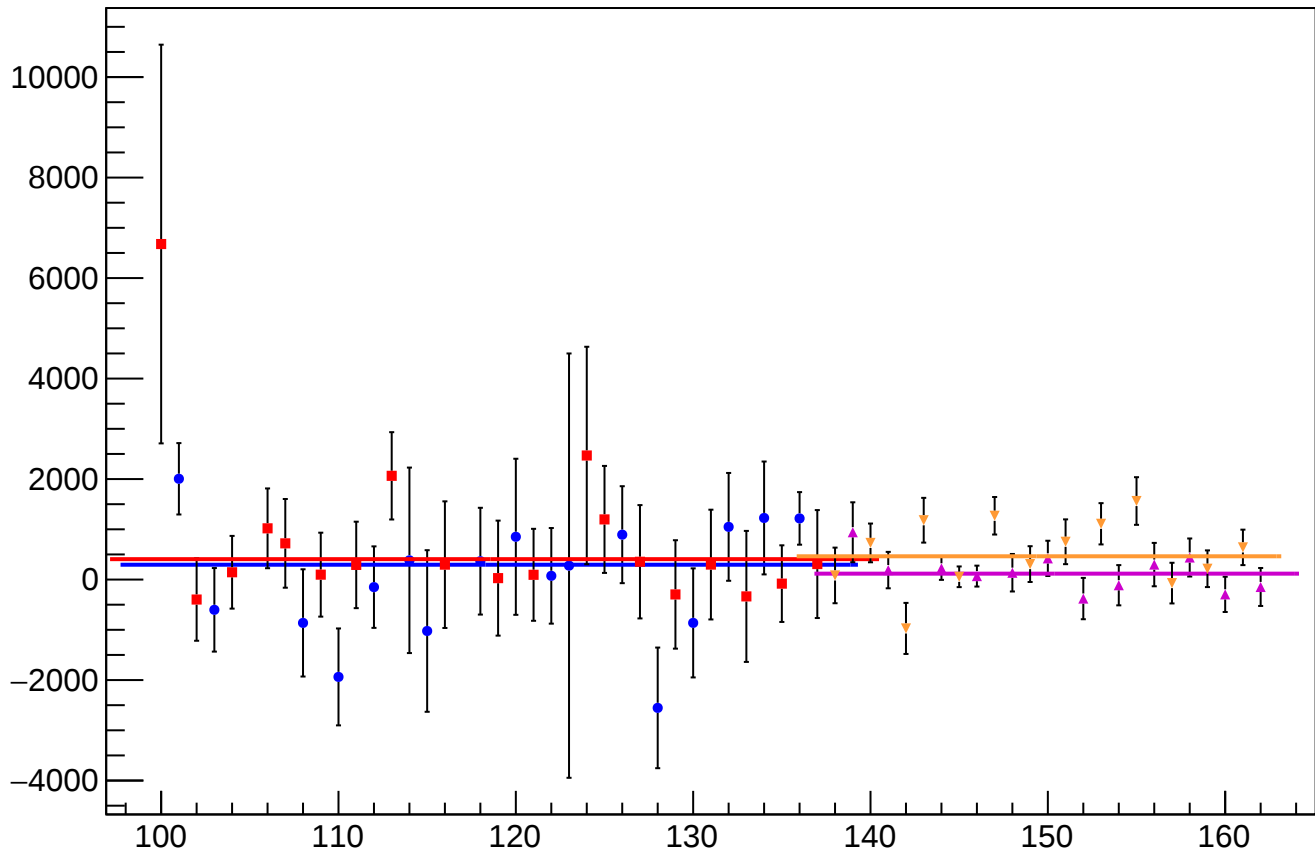
Left In: 279.758 $\pm$ 0.067 χ^2 /NDF:1579731.4/11

+ sign 347.631 $\pm$ 0.065 χ^2 /NDF: 4292079.8/29

All: 335.725 $\pm$ 0.045 χ^2 /NDF: 9494700.7/60

- sign 325.279 $\pm$ 0.061 χ^2 /NDF: 5140557.8/30

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 463.247 $\pm$ 102.785 χ^2 /NDF:31.1/12

Right Out: 406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

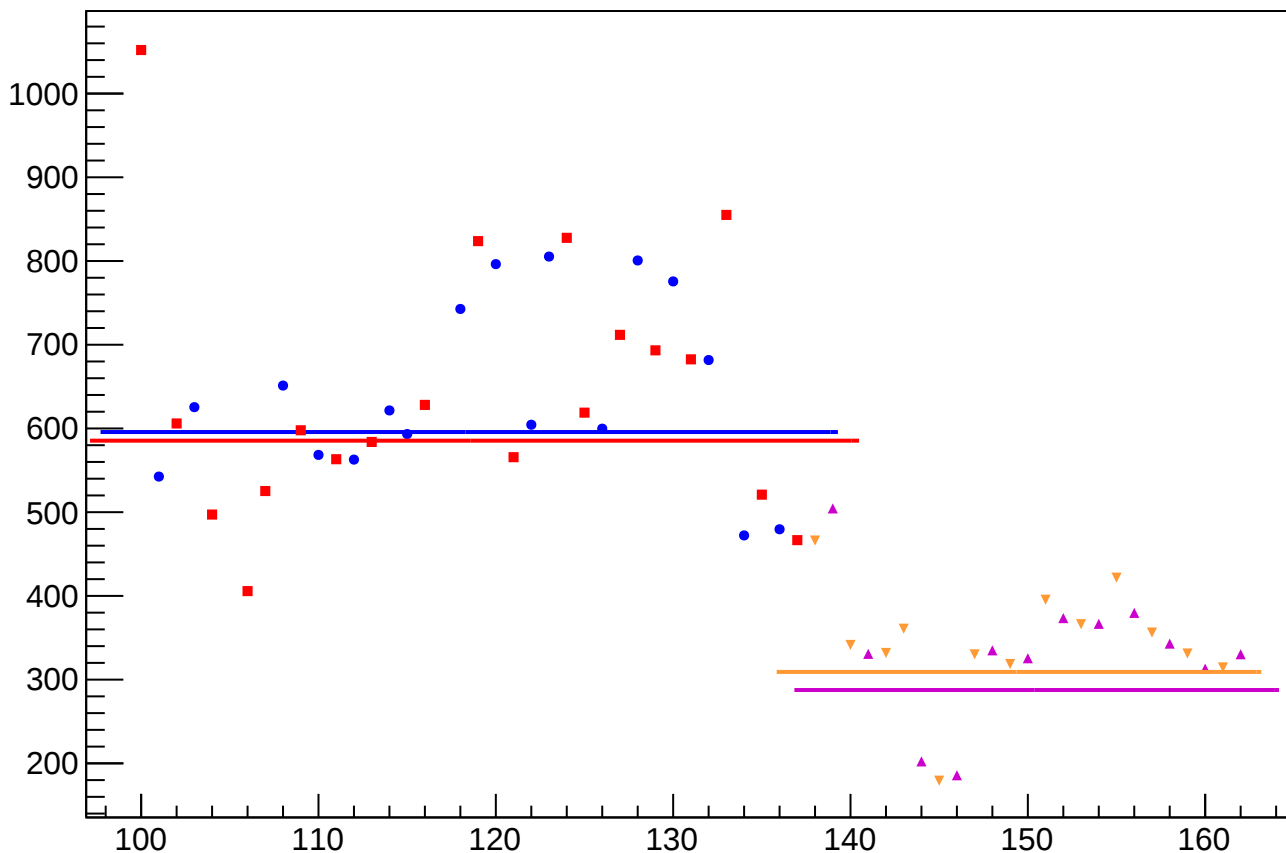
Left In: 117.601 $\pm$ 96.437 χ^2 /NDF:7.5/11

+ sign 436.459 $\pm$ 94.227 χ^2 /NDF: 57.6/29

All: 291.065 $\pm$ 64.558 χ^2 /NDF: 82.0/60

- sign 162.432 $\pm$ 88.629 χ^2 /NDF: 19.9/30

asym_sam_37_dd_rms vs Slug



Right In: 595.734+/-0.167 χ^2/NDF : 350058.2/16

Left Out: 309.205+/-0.073 χ^2/NDF : 1271964.8/12

Right Out: 585.421+/-0.159 χ^2/NDF : 474472.3/18

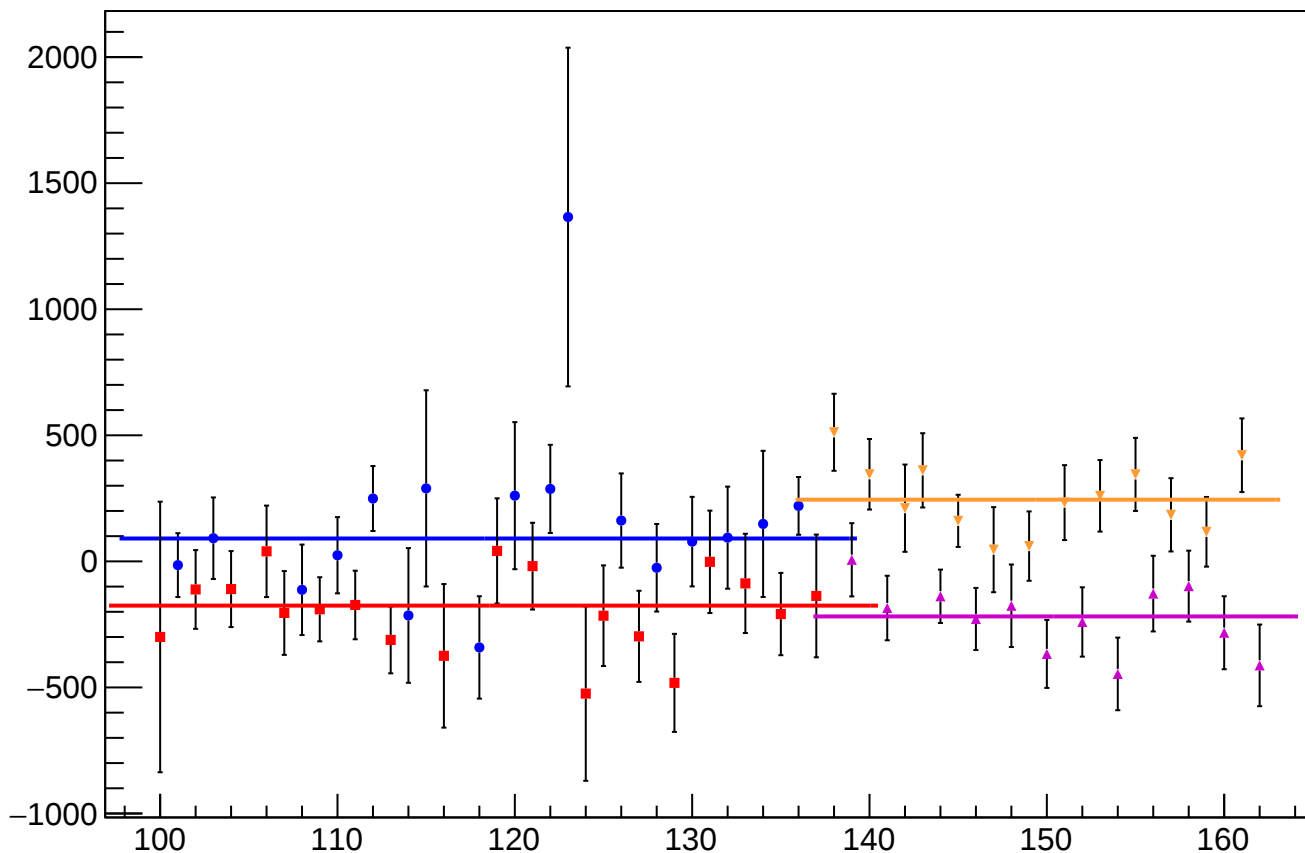
Left In: 287.611+/-0.068 χ^2/NDF : 1440106.1/11

+ sign 354.935+/-0.067 χ^2/NDF : 4102538.3/29

All: 343.764+/-0.046 χ^2/NDF : 9033407.4/60

- sign 333.880+/-0.063 χ^2/NDF : 4877881.7/30

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 χ^2/NDF : 16.9/16

Left Out: 244.743 ± 39.405 χ^2/NDF : 11.0/12

Right Out: -175.485 ± 41.101 χ^2/NDF : 10.3/18

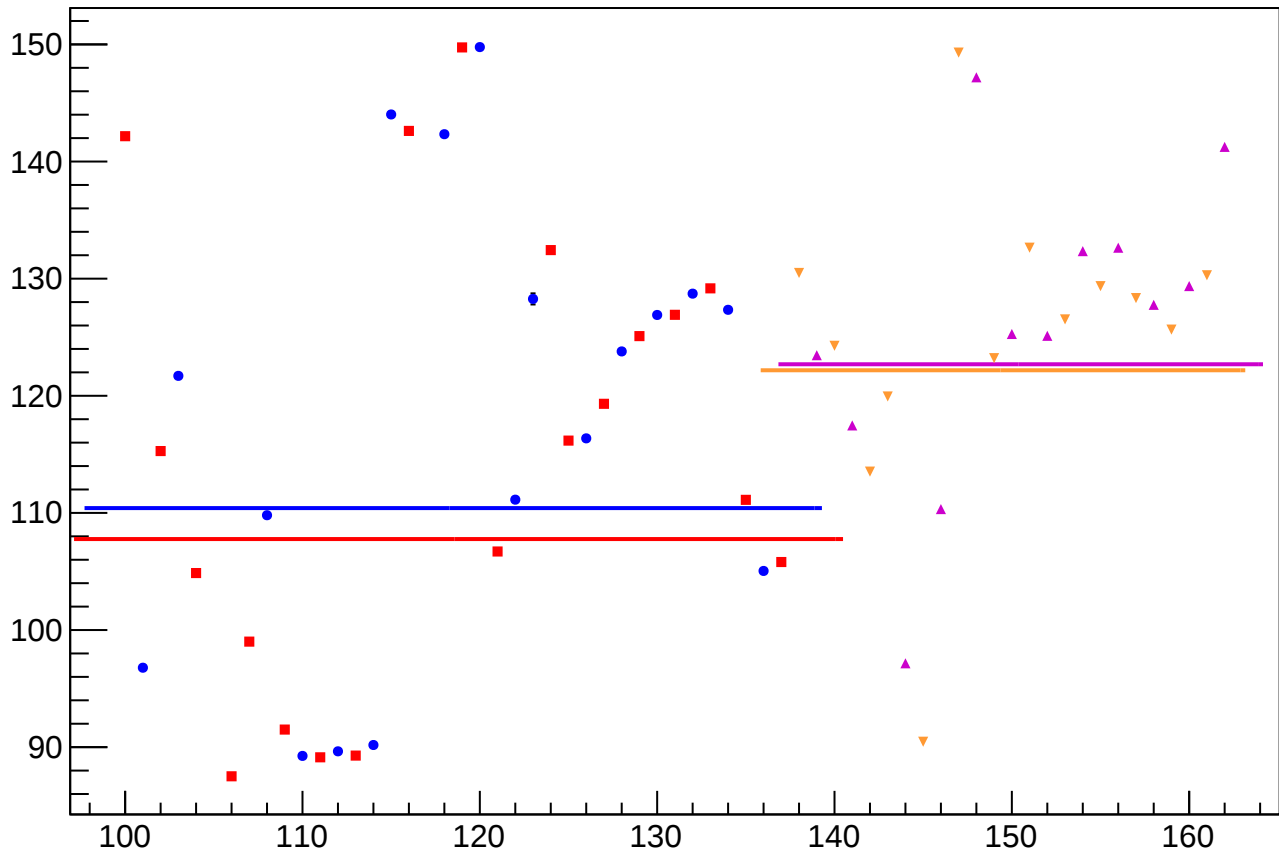
Left In: -218.404 ± 39.594 χ^2/NDF : 9.6/11

+ sign 174.986 ± 29.147 χ^2/NDF : 34.9/29

All: -15.468 ± 20.383 χ^2/NDF : 138.9/60

- sign -197.746 ± 28.515 χ^2/NDF : 20.5/30

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411+/-0.031 χ^2/NDF : 296425.4/16

Left Out: 122.178+/-0.028 χ^2/NDF : 279299.3/12

Right Out: 107.768+/-0.029 χ^2/NDF : 344441.4/18

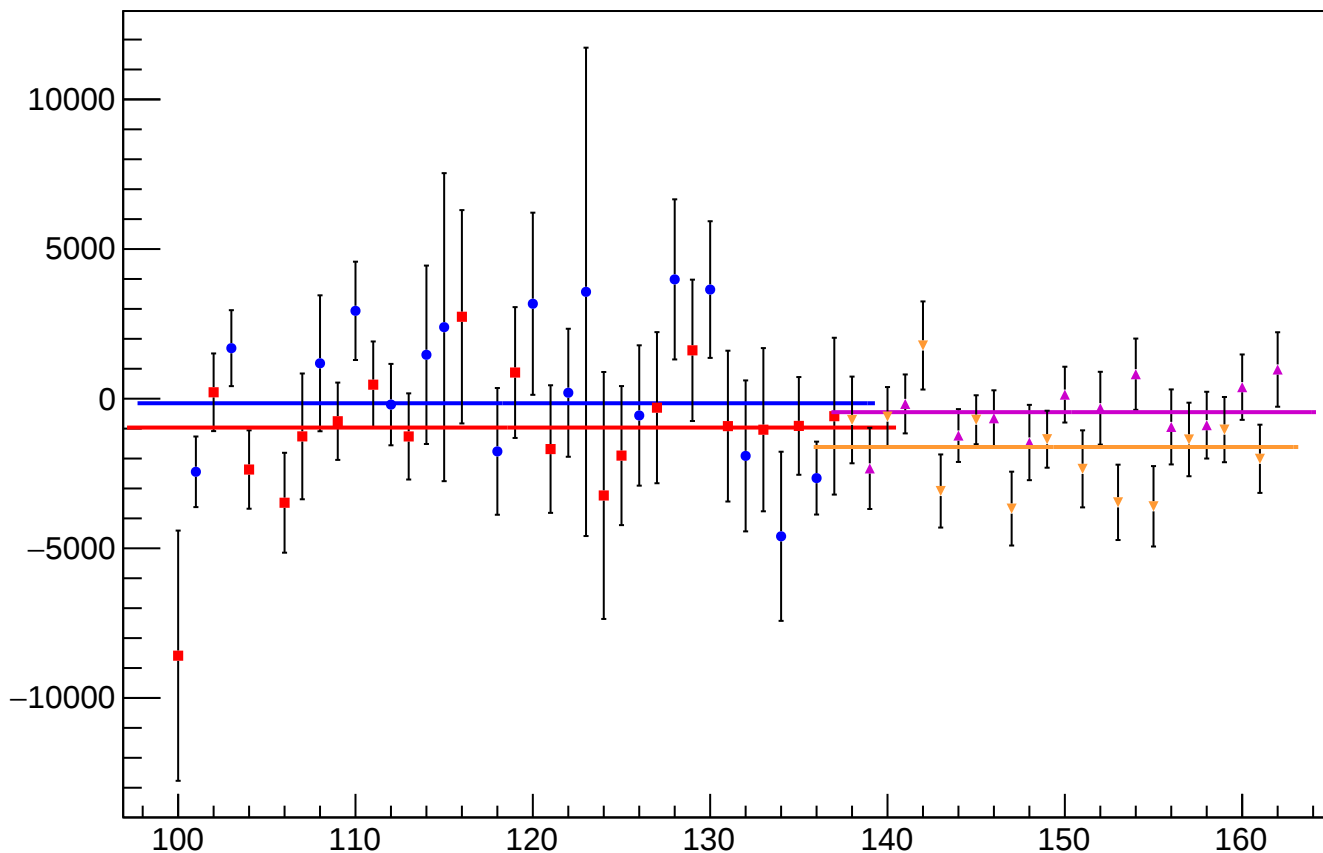
Left In: 122.692+/-0.028 χ^2/NDF : 236971.9/11

+ sign 116.849+/-0.021 χ^2/NDF : 656489.0/29

All: 116.164+/-0.014 χ^2/NDF : 1376836.0/60

- sign 115.508+/-0.020 χ^2/NDF : 718184.2/30

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1614.658 ± 316.988 χ^2/NDF : 17.4/12

Right Out: -964.716 ± 435.111 χ^2/NDF : 12.3/18

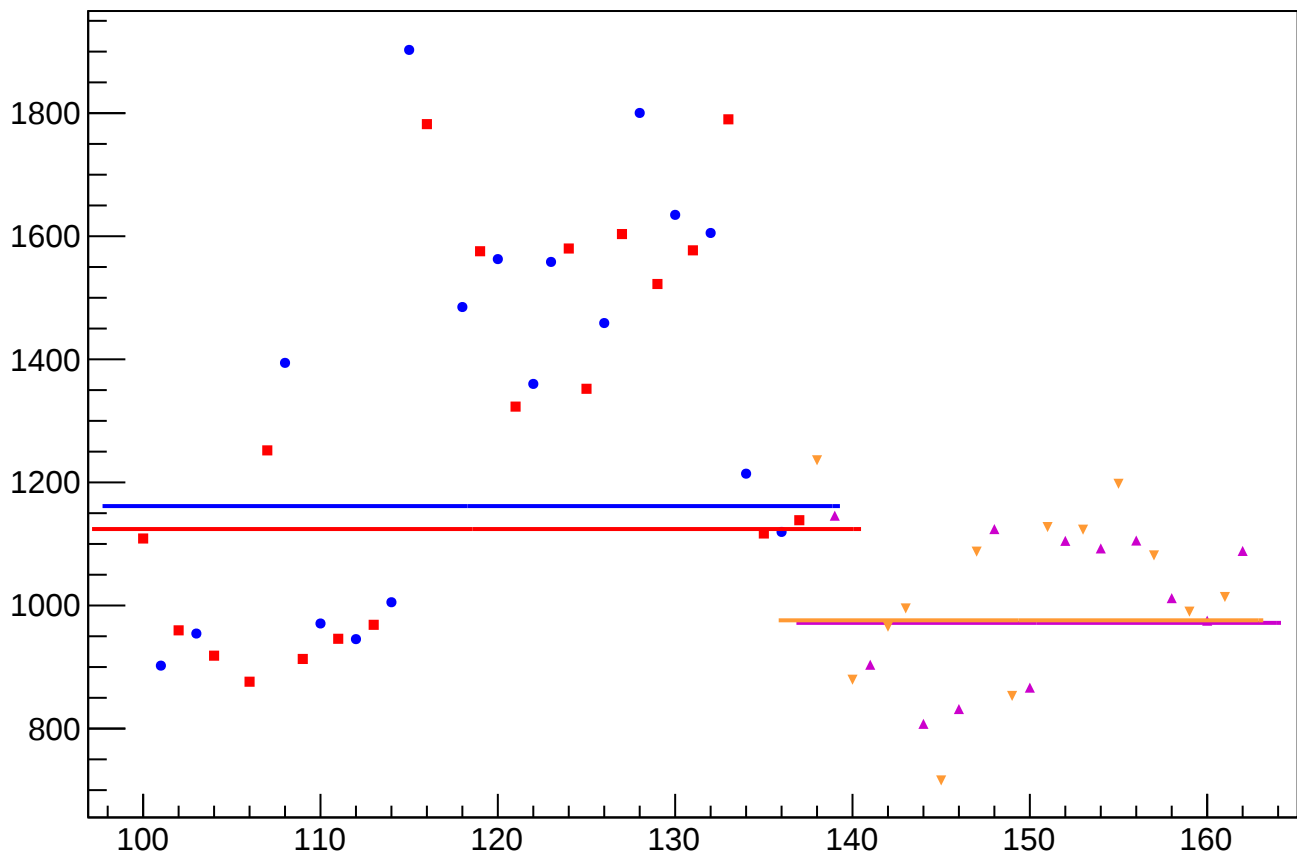
Left In: -450.066 ± 314.800 χ^2/NDF : 7.2/11

+ sign -1150.391 ± 261.875 χ^2/NDF : 48.8/29

All: -881.730 ± 182.712 χ^2/NDF : 71.3/60

- sign -626.895 ± 255.048 χ^2/NDF : 20.4/30

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2 /NDF: 695906.9/16

Left Out: 975.911+/-0.224 χ^2 /NDF: 463154.3/12

Right Out: 1124.235+/-0.308 χ^2 /NDF: 767790.0/18

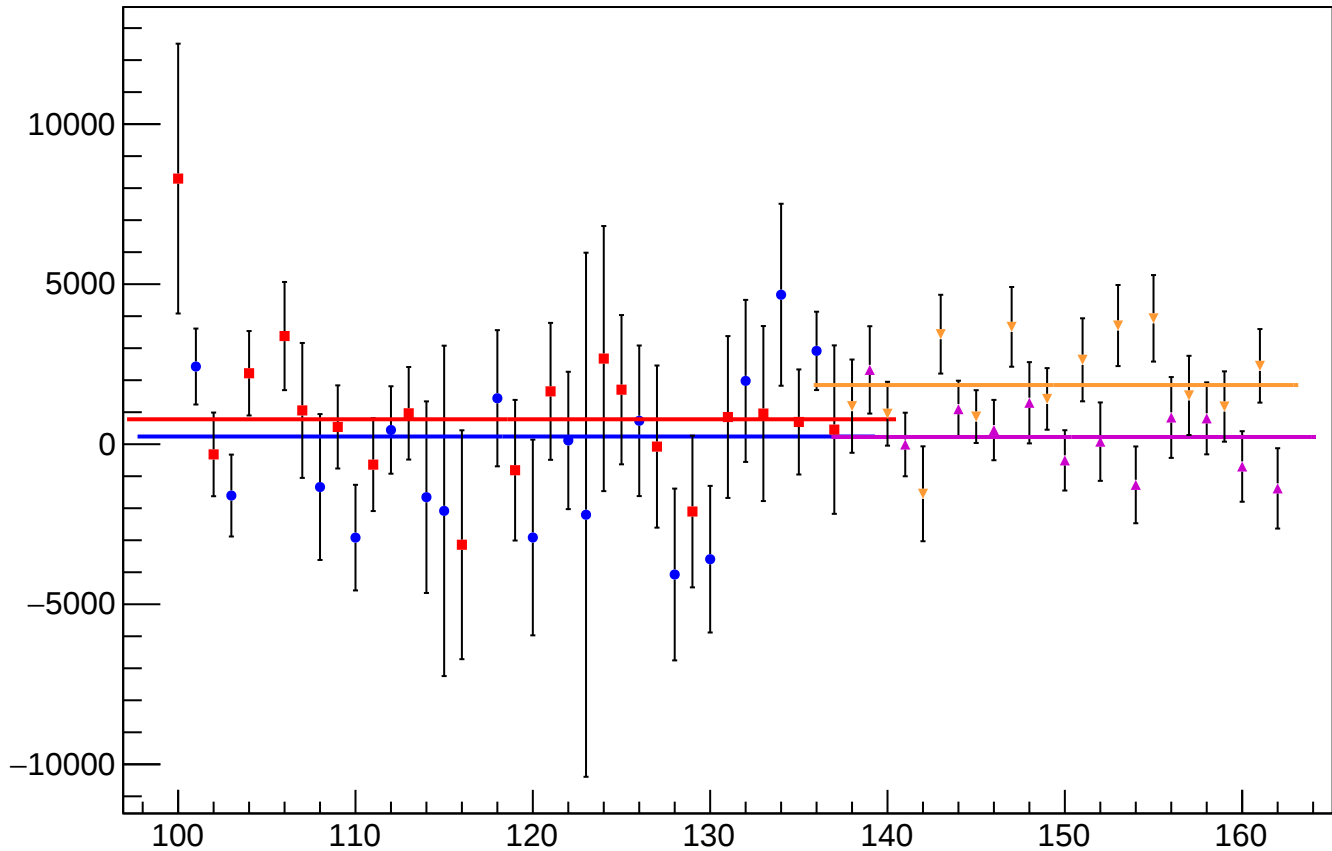
Left In: 971.784+/-0.223 χ^2 /NDF: 299014.4/11

+ sign 1034.845+/-0.185 χ^2 /NDF: 1376799.8/29

All: 1029.364+/-0.129 χ^2 /NDF: 2606474.2/60

- sign 1024.164+/-0.180 χ^2 /NDF: 1227967.0/30

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1848.641 $\pm$ 319.562 χ^2 /NDF:17.3/12

Right Out: 779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

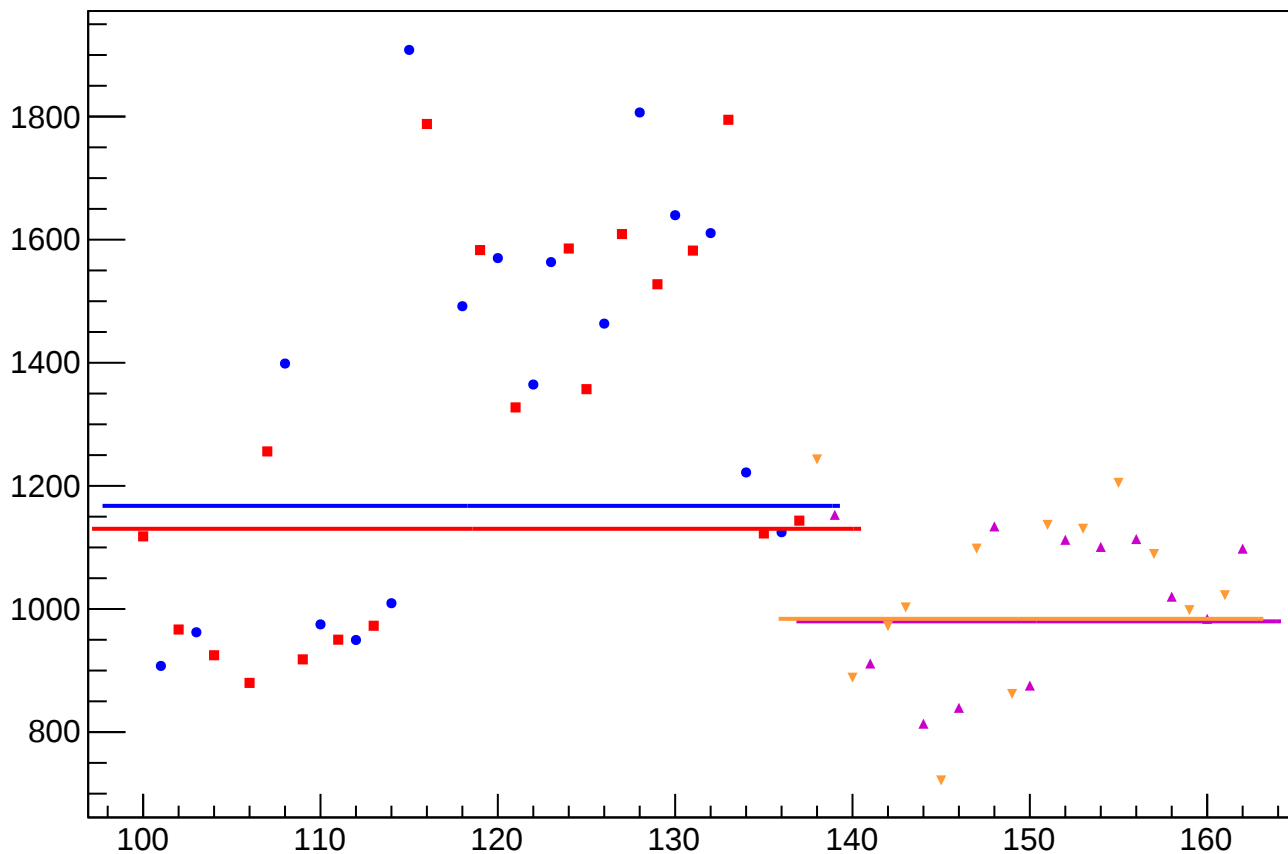
Left In: 225.760 $\pm$ 317.388 χ^2 /NDF:9.1/11

+ sign 1335.907 $\pm$ 263.734 χ^2 /NDF: 50.2/29

All: 864.193 $\pm$ 184.025 χ^2 /NDF: 79.0/60

- sign 416.600 $\pm$ 256.902 χ^2 /NDF: 22.5/30

asym_sam_48_dd_rms vs Slug



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 984.025 $\pm$ 0.226 χ^2 /NDF: 458769.6/12

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

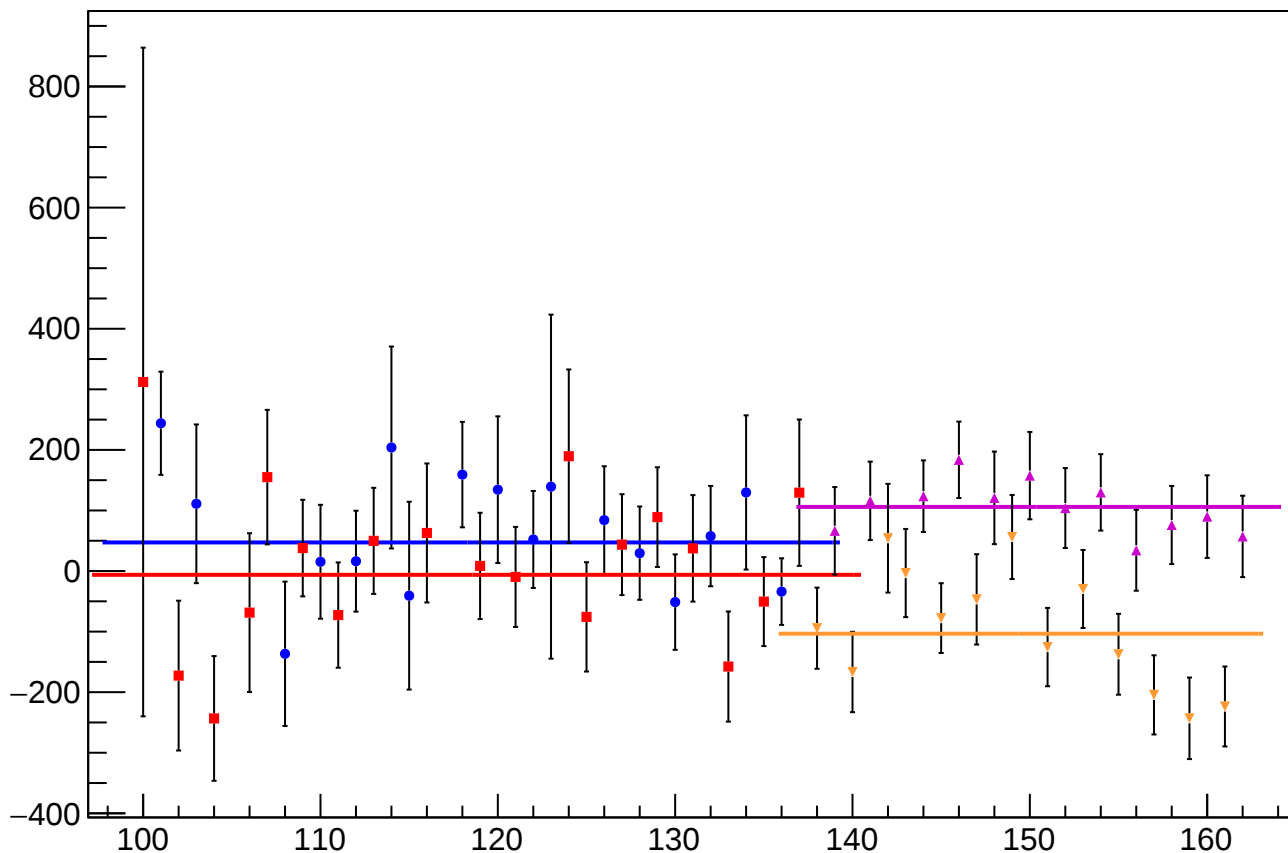
Left In: 979.905 $\pm$ 0.224 χ^2 /NDF: 296542.0/11

+ sign 1042.544 $\pm$ 0.182 χ^2 /NDF: 1359579.3/29

All: 1037.014 $\pm$ 0.130 χ^2 /NDF: 2574193.3/60

- sign 1031.766 $\pm$ 0.182 χ^2 /NDF: 1212900.2/30

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -103.464 $\pm$ 18.765 χ^2 /NDF:23.7/12

Right Out: -6.246 $\pm$ 22.128 χ^2 /NDF: 20.3/18

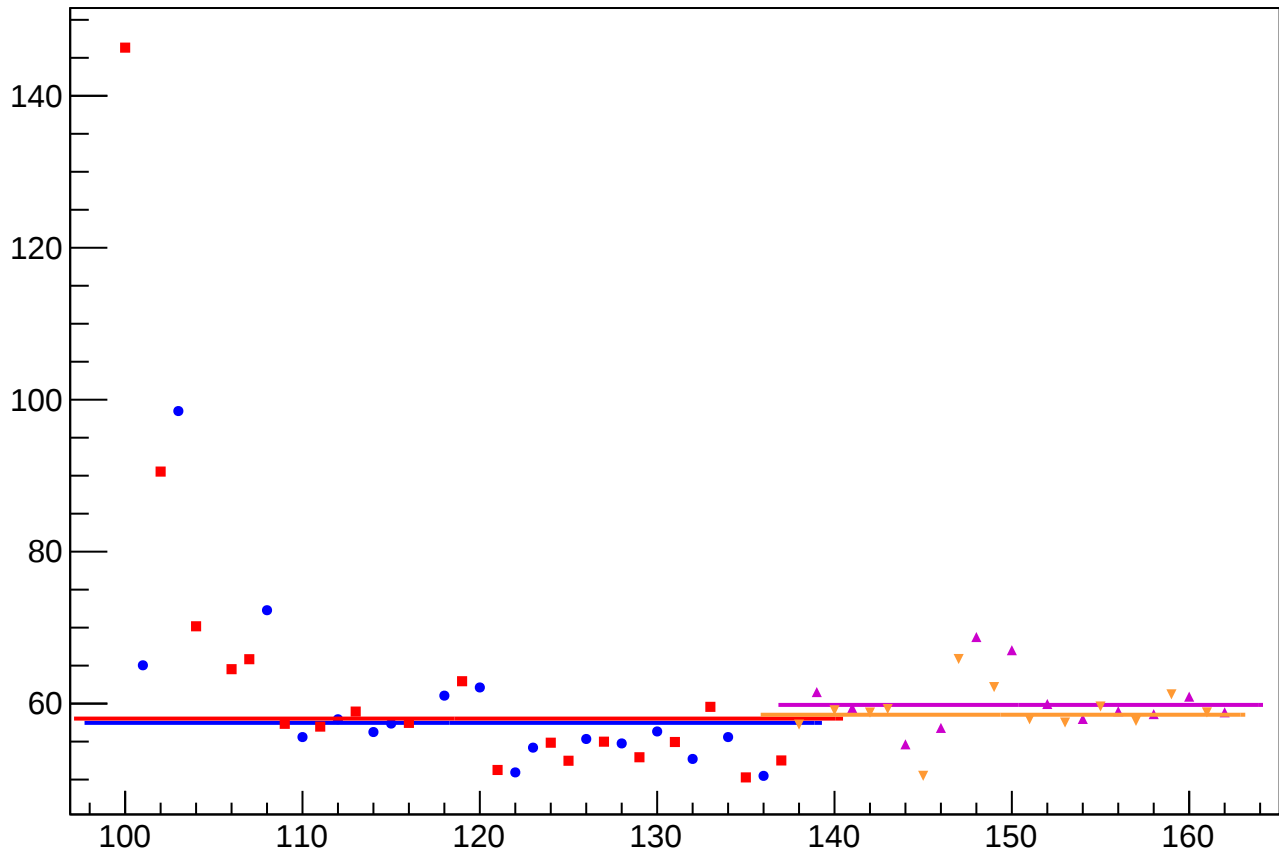
Left In: 105.885 $\pm$ 19.200 χ^2 /NDF:4.6/11

+ sign -41.860 $\pm$ 14.428 χ^2 /NDF: 66.1/29

All: 7.677 $\pm$ 10.228 χ^2 /NDF: 129.3/60

- sign 57.723 $\pm$ 14.502 χ^2 /NDF: 39.5/30

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 58.534 $\pm$ 0.013 χ^2 /NDF: 69625.7/12

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

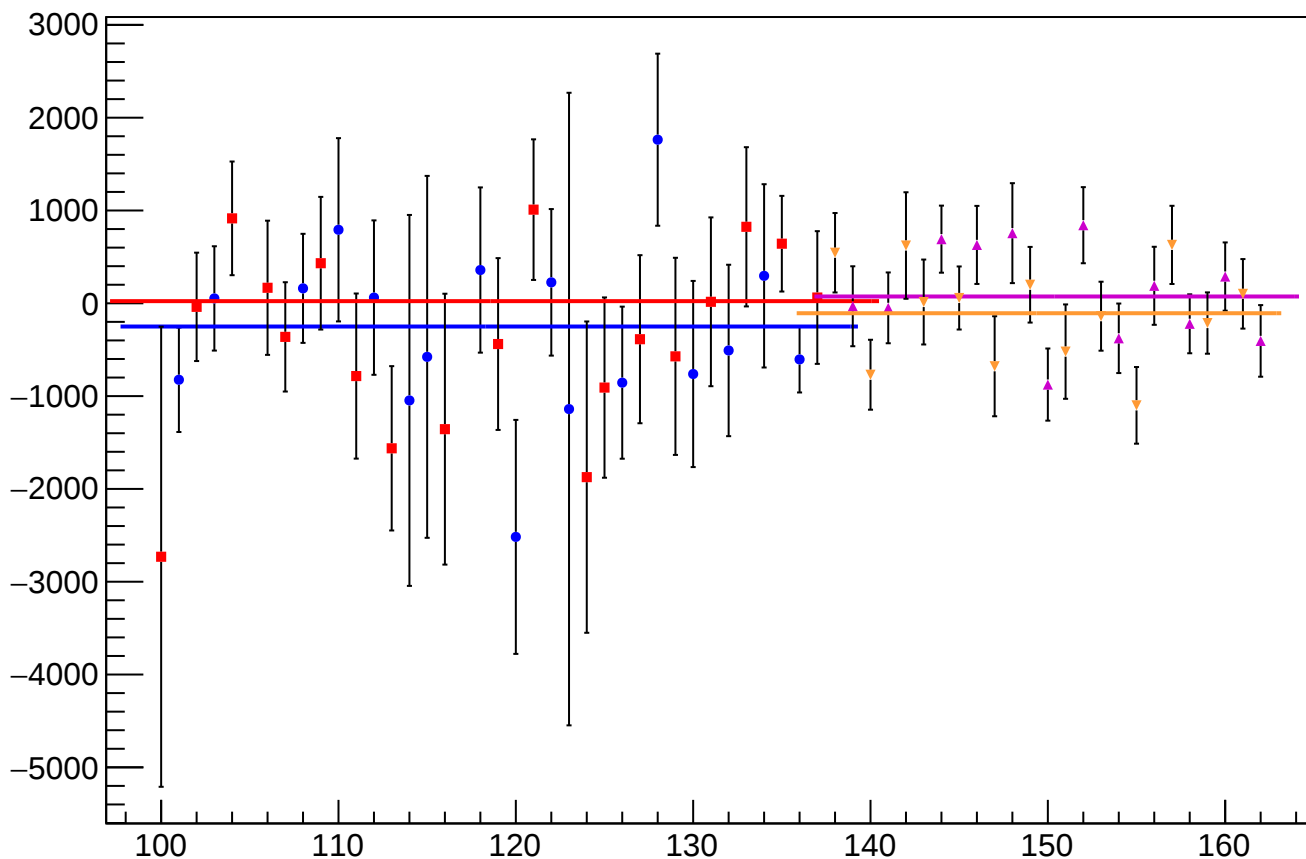
Left In: 59.828 $\pm$ 0.014 χ^2 /NDF: 72097.5/11

+ sign 58.097 $\pm$ 0.010 χ^2 /NDF: 379435.8/29

All: 58.573 $\pm$ 0.007 χ^2 /NDF: 764256.0/60

- sign 59.054 $\pm$ 0.010 χ^2 /NDF: 380442.5/30

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2/NDF : 14.3/16

Left Out: -106.910 $\pm$ 113.715 χ^2/NDF : 18.9/12

Right Out: 23.314 $\pm$ 181.834 χ^2/NDF : 16.1/18

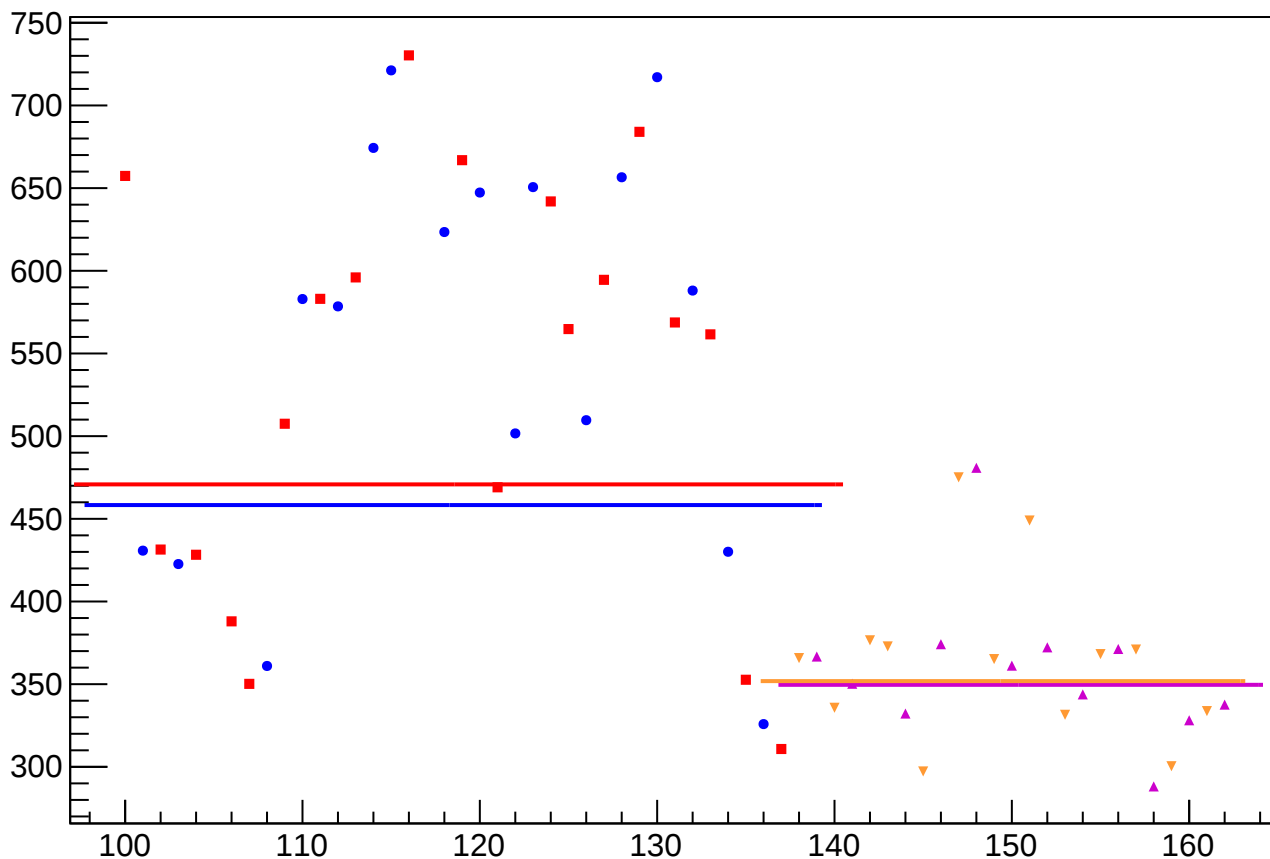
Left In: 73.475 $\pm$ 112.934 χ^2/NDF : 20.2/11

+ sign -146.467 $\pm$ 96.746 χ^2/NDF : 33.7/29

All: -42.613 $\pm$ 68.122 χ^2/NDF : 72.2/60

- sign 59.512 $\pm$ 95.937 χ^2/NDF : 36.3/30

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 351.850+/-0.080 χ^2/NDF : 311556.1/12

Right Out: 470.827+/-0.129 χ^2/NDF : 778635.2/18

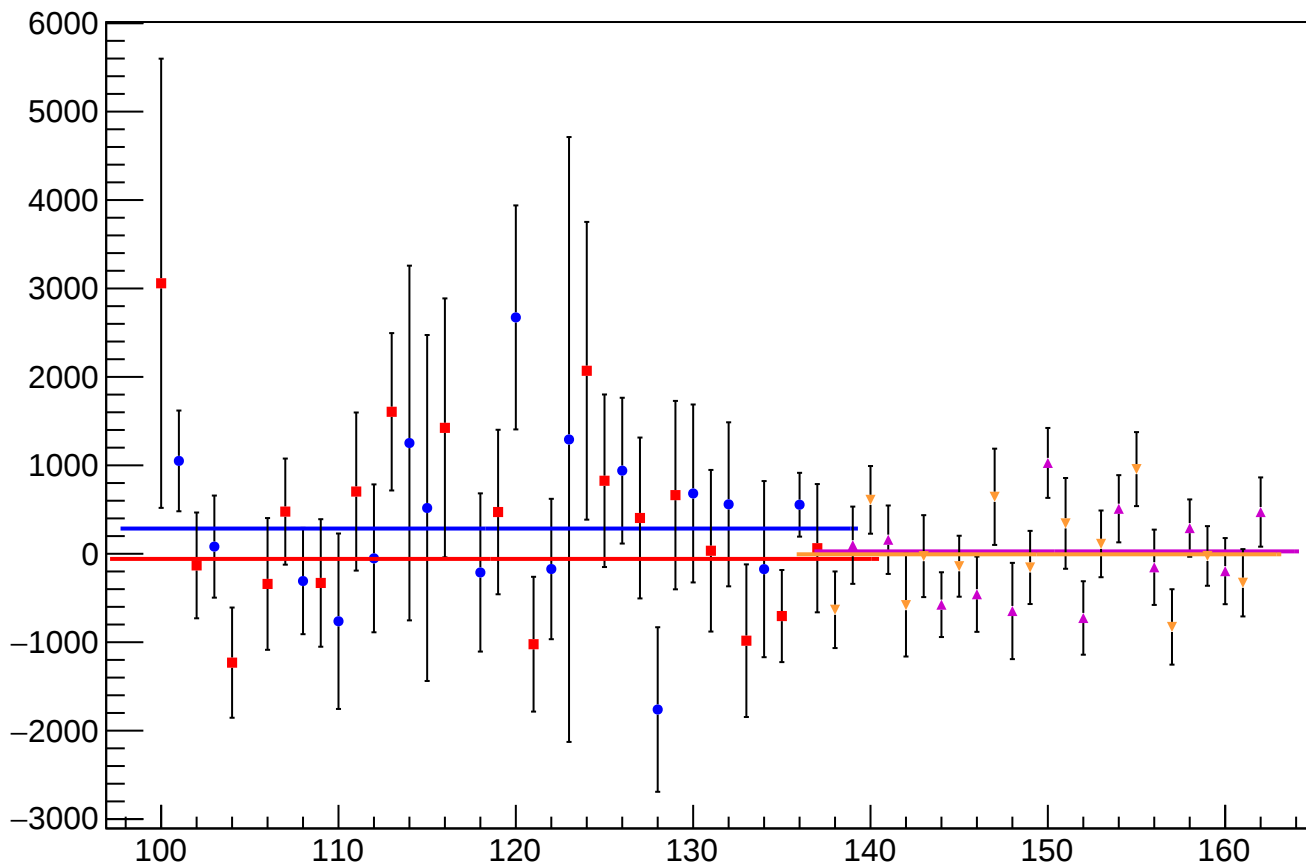
Left In: 349.608+/-0.080 χ^2/NDF : 230774.6/11

+ sign 381.257+/-0.068 χ^2/NDF : 1673012.8/29

All: 382.313+/-0.048 χ^2/NDF : 3324310.1/60

- sign 383.351+/-0.068 χ^2/NDF : 1650824.5/30

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349+/-186.262 χ^2/NDF : 15.2/16

Left Out: -5.776+/-115.352 χ^2/NDF : 17.7/12

Right Out: -58.001+/-184.074 χ^2/NDF : 19.2/18

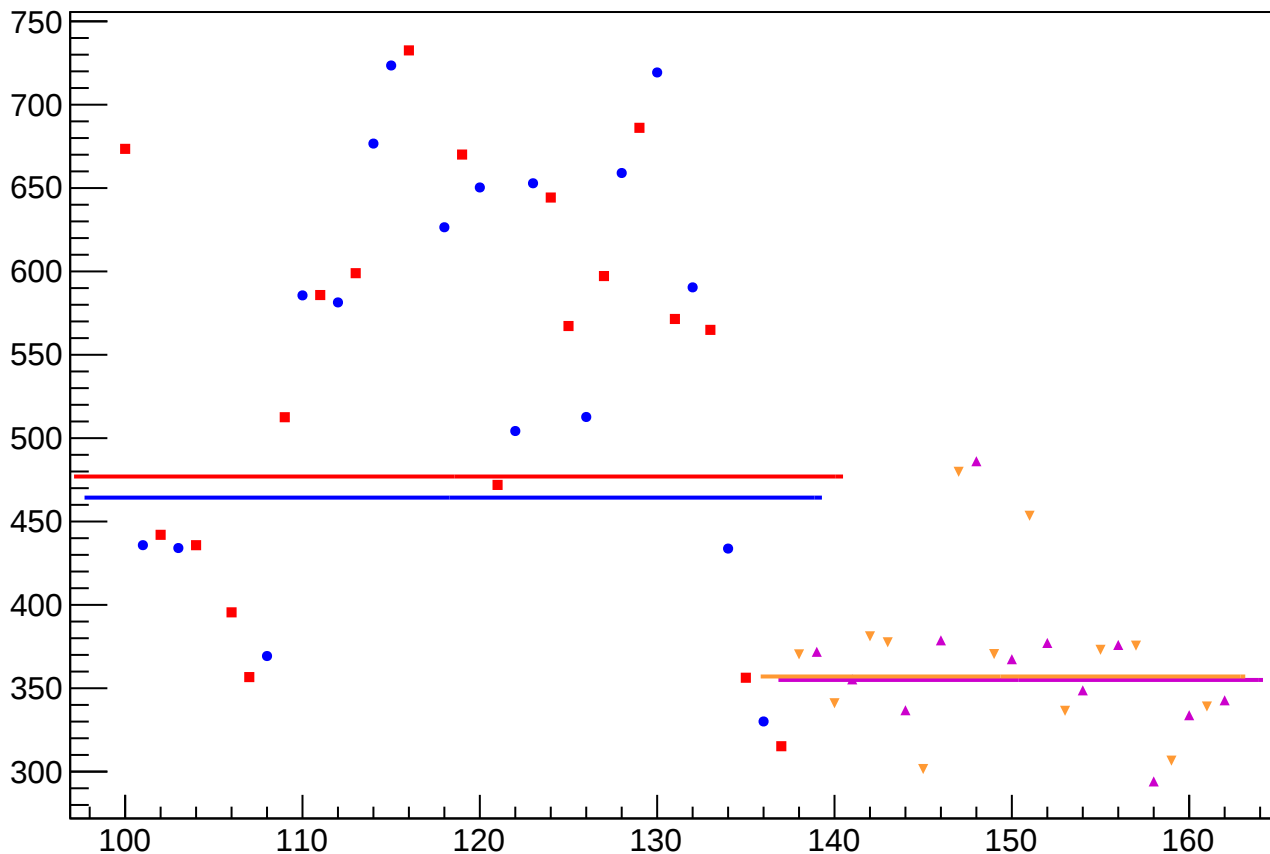
Left In: 27.139+/-114.633 χ^2/NDF : 19.5/11

+ sign 74.928+/-98.069 χ^2/NDF : 34.6/29

All: 38.858+/-69.074 χ^2/NDF : 73.7/60

- sign 3.347+/-97.307 χ^2/NDF : 38.8/30

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 357.052 $\pm$ 0.082 χ^2 /NDF:300945.4/12

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

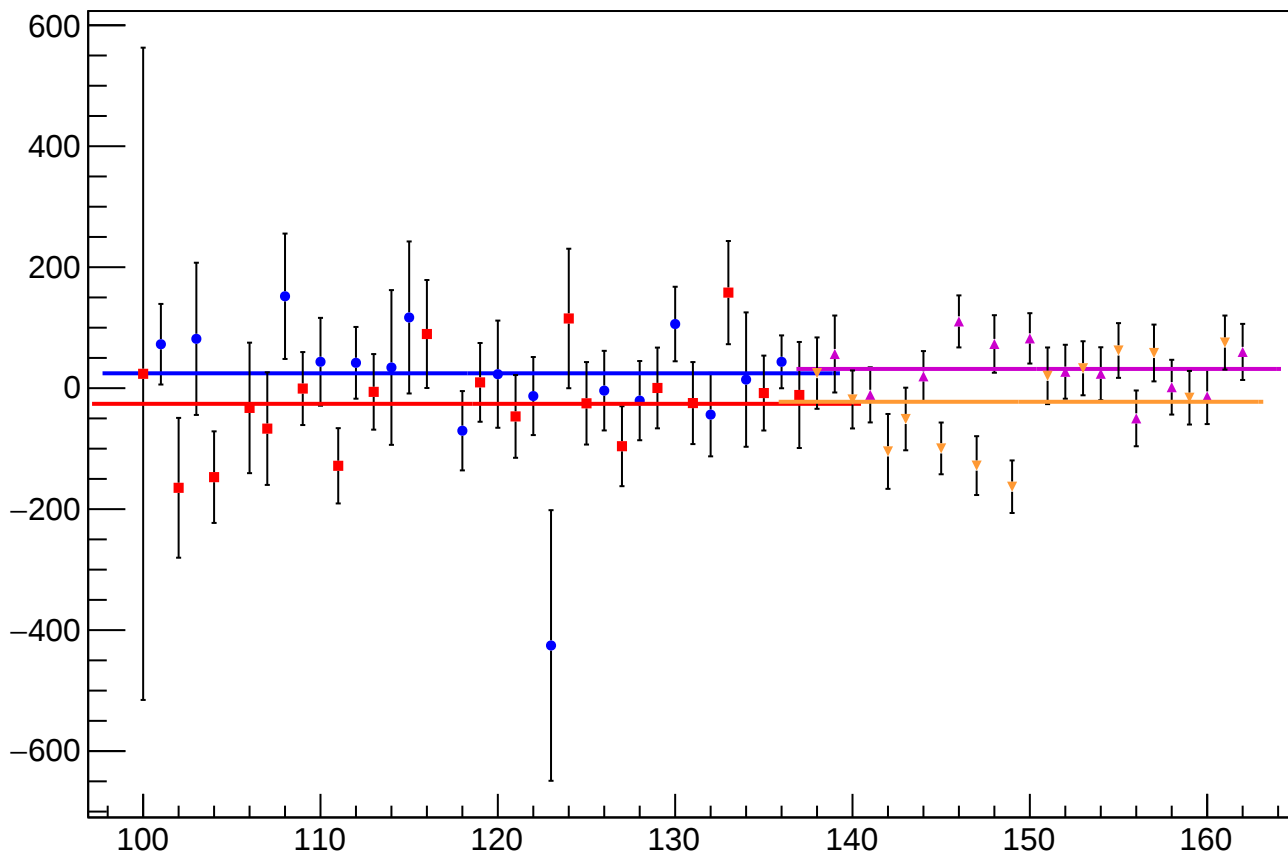
Left In: 354.981 $\pm$ 0.081 χ^2 /NDF:222331.6/11

+ sign 386.794 $\pm$ 0.069 χ^2 /NDF: 1626468.6/29

All: 387.944 $\pm$ 0.049 χ^2 /NDF: 3231804.8/60

- sign 389.075 $\pm$ 0.069 χ^2 /NDF: 1604790.7/30

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -22.495 ± 13.168 $\chi^2/\text{NDF}: 34.8/12$

Right Out: -25.884 ± 17.386 $\chi^2/\text{NDF}: 16.8/18$

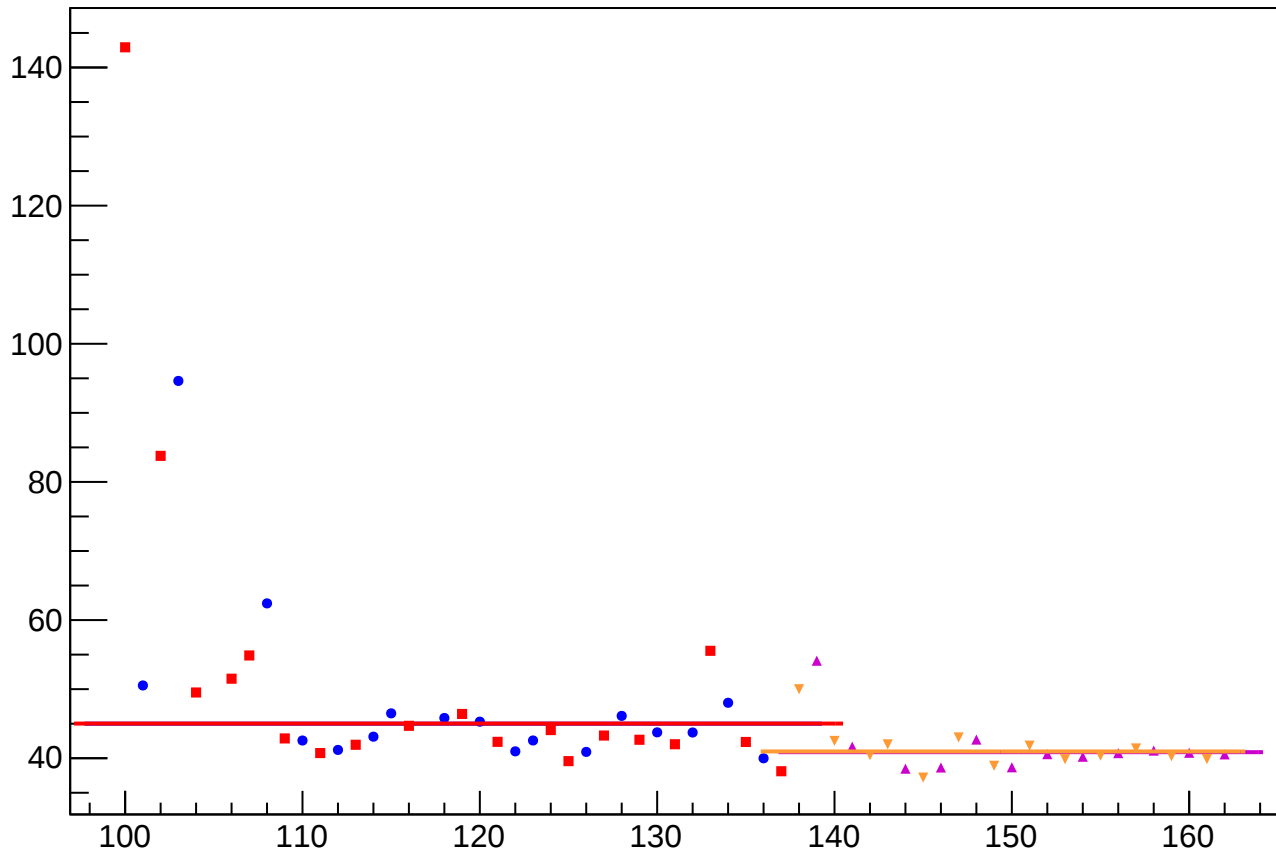
Left In: 31.794 ± 13.143 $\chi^2/\text{NDF}: 11.7/11$

+ sign -5.890 ± 10.594 $\chi^2/\text{NDF}: 52.3/29$

All: 2.553 ± 7.452 $\chi^2/\text{NDF}: 89.0/60$

- sign 10.821 ± 10.484 $\chi^2/\text{NDF}: 35.5/30$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 40.980 $\pm$ 0.009 χ^2 /NDF: 77465.5/12

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

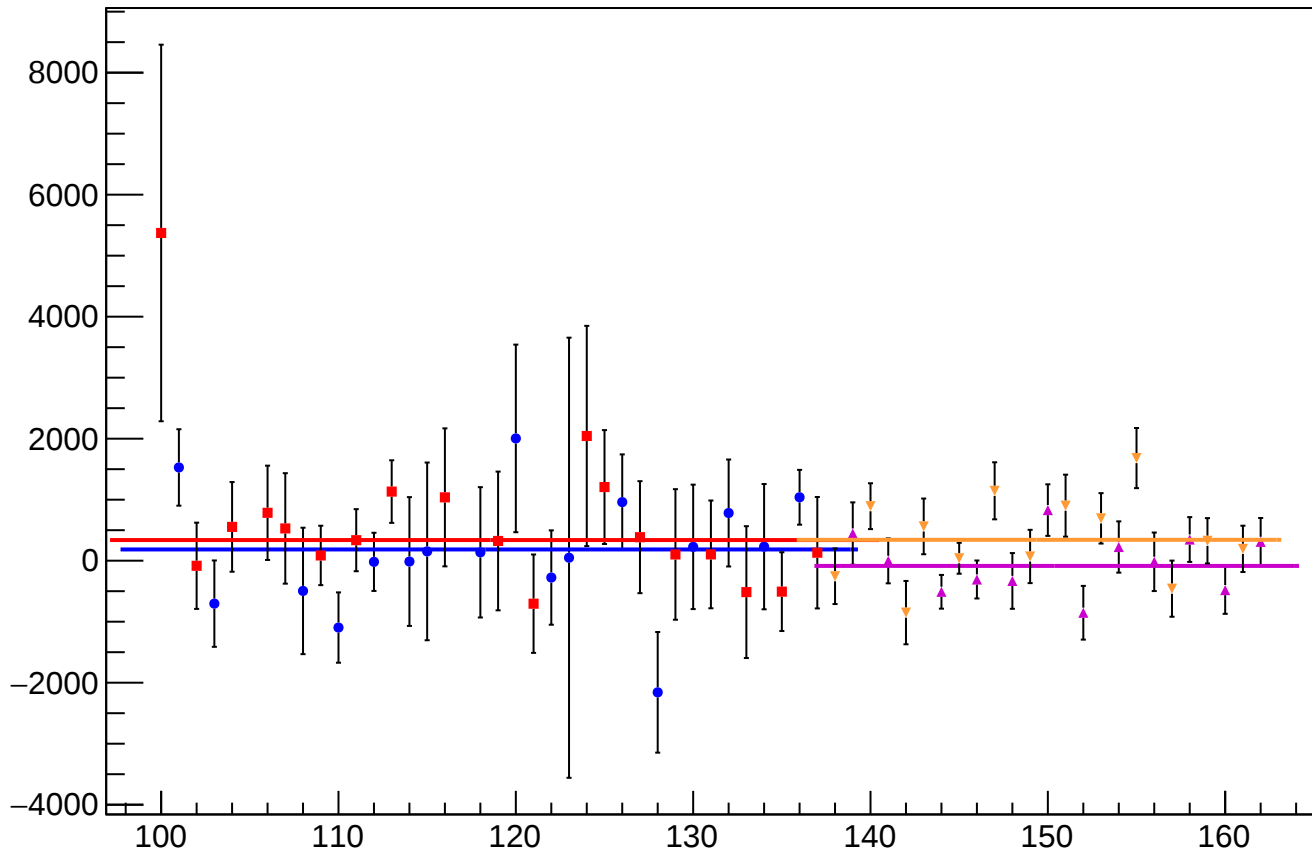
Left In: 40.876 $\pm$ 0.009 χ^2 /NDF: 108324.6/11

+ sign 42.398 $\pm$ 0.007 χ^2 /NDF: 581595.1/29

All: 42.390 $\pm$ 0.005 χ^2 /NDF: 1177648.0/60

- sign 42.382 $\pm$ 0.007 χ^2 /NDF: 596050.4/30

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 342.128 ± 112.815 χ^2/NDF : 26.7/12

Right Out: 338.329 ± 179.381 χ^2/NDF : 12.5/18

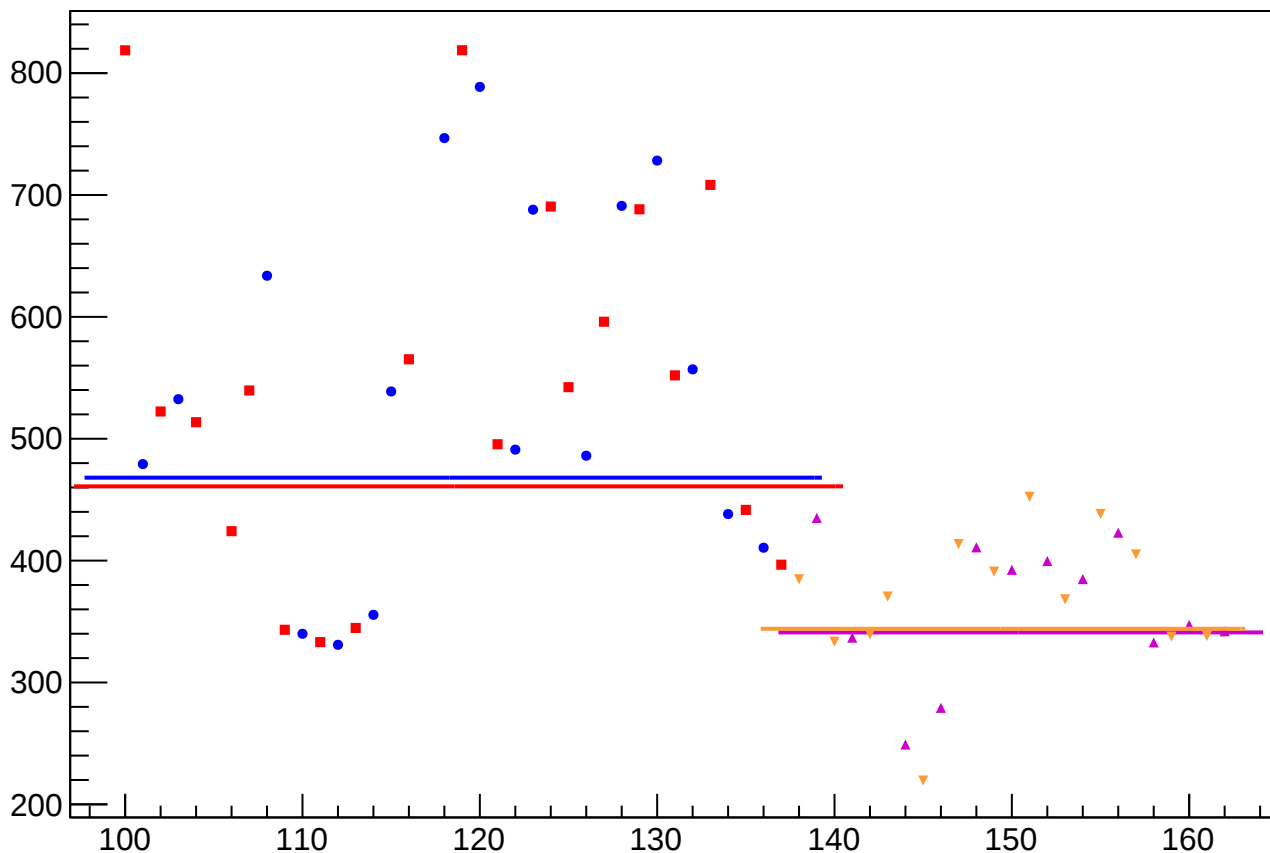
Left In: -85.751 ± 111.294 χ^2/NDF : 16.0/11

+ sign 300.493 ± 96.810 χ^2/NDF : 51.4/29

All: 163.166 ± 67.649 χ^2/NDF : 87.9/60

- sign 32.120 ± 94.571 χ^2/NDF : 32.5/30

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 344.085 $\pm$ 0.080 χ^2 /NDF: 782628.9/12

Right Out: 460.939 $\pm$ 0.127 χ^2 /NDF: 955028.5/18

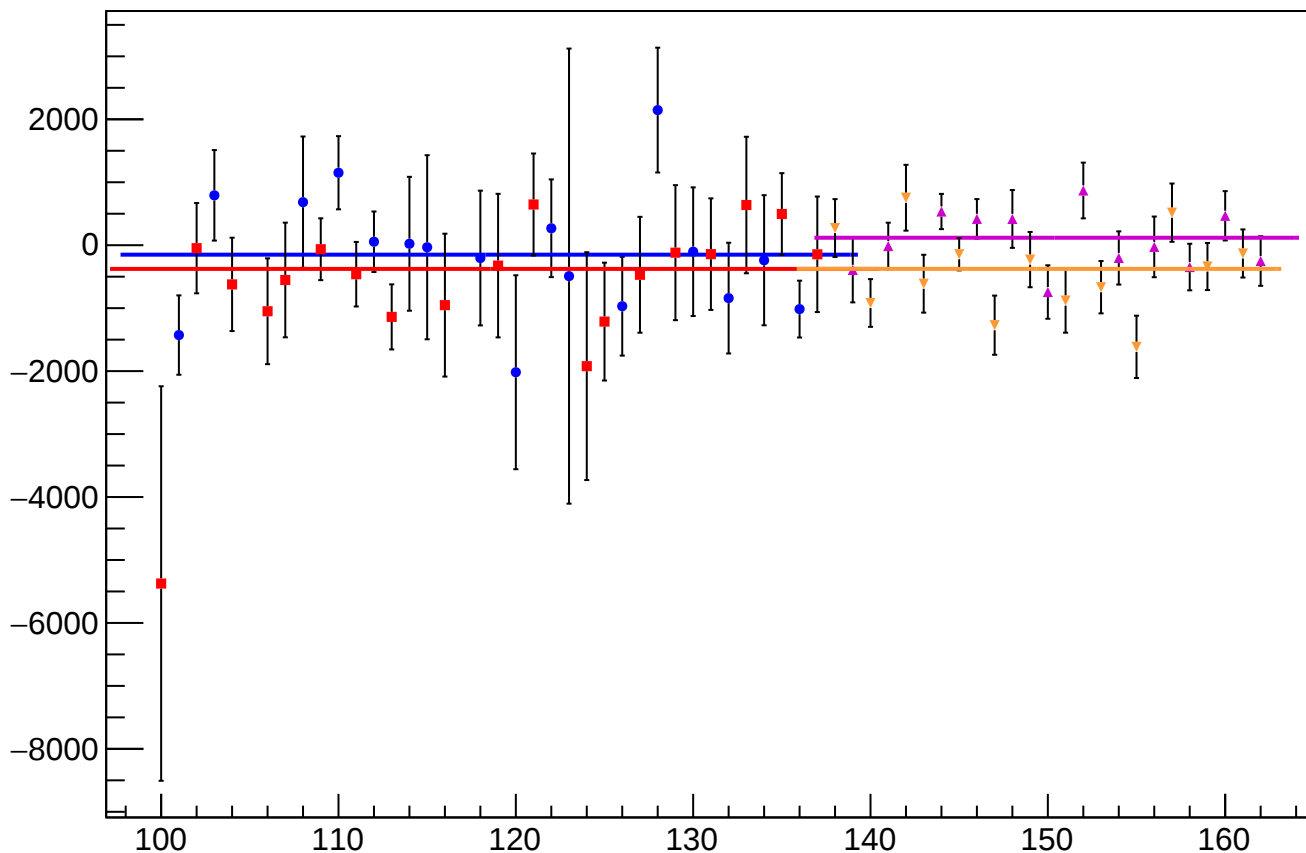
Left In: 341.075 $\pm$ 0.079 χ^2 /NDF: 561251.3/11

+ sign 376.768 $\pm$ 0.068 χ^2 /NDF: 2299747.0/29

All: 375.551 $\pm$ 0.048 χ^2 /NDF: 4461447.8/60

- sign 374.391 $\pm$ 0.067 χ^2 /NDF: 2161083.6/30

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -375.892 ± 113.712 χ^2/NDF : 25.4/12

Right Out: -376.554 ± 181.258 χ^2/NDF : 12.4/18

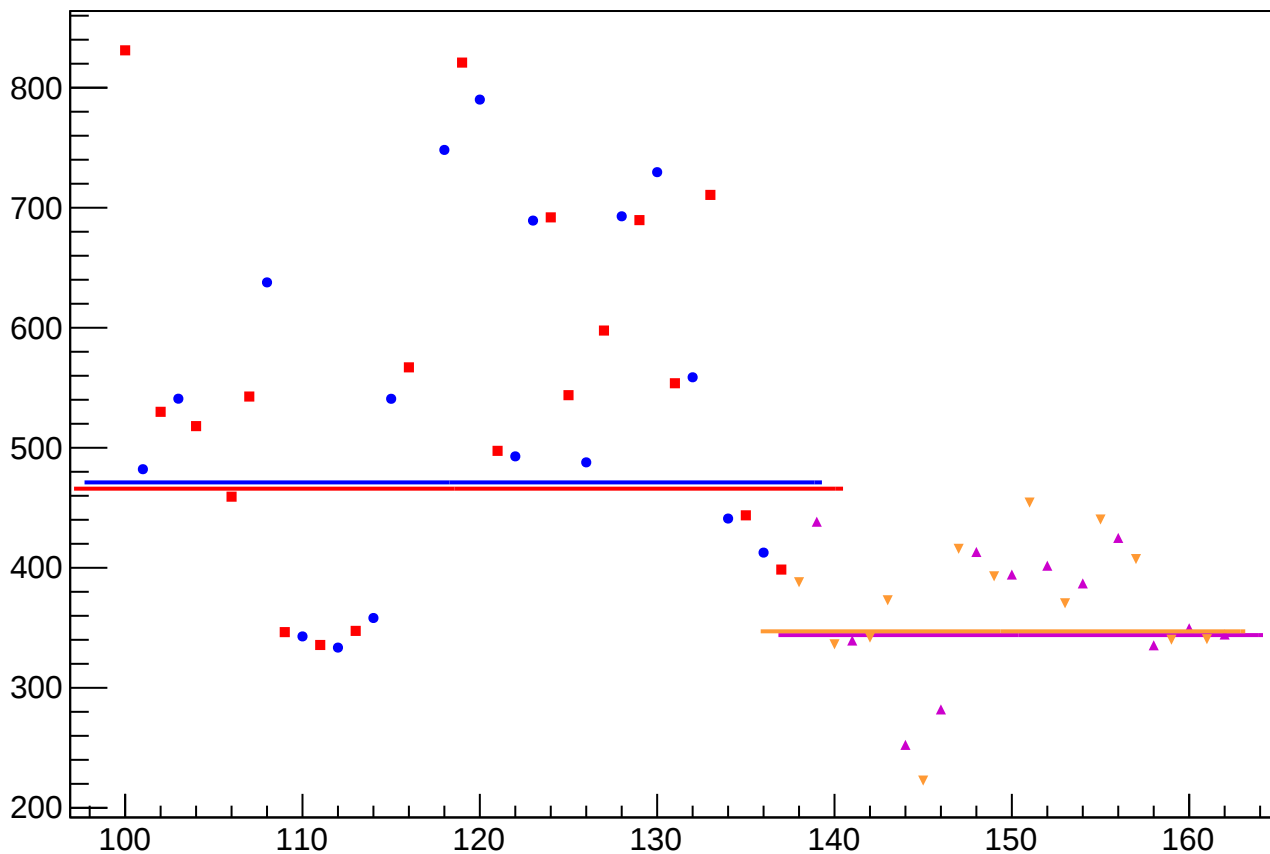
Left In: 118.528 ± 112.168 χ^2/NDF : 15.6/11

+ sign -316.275 ± 97.536 χ^2/NDF : 50.6/29

All: -164.097 ± 68.194 χ^2/NDF : 88.8/60

- sign -18.565 ± 95.382 χ^2/NDF : 33.4/30

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156 $\pm$ 0.134 χ^2 /NDF: 871832.5/16

Left Out: 347.066 $\pm$ 0.080 χ^2 /NDF: 757963.3/12

Right Out: 465.935 $\pm$ 0.128 χ^2 /NDF: 940521.6/18

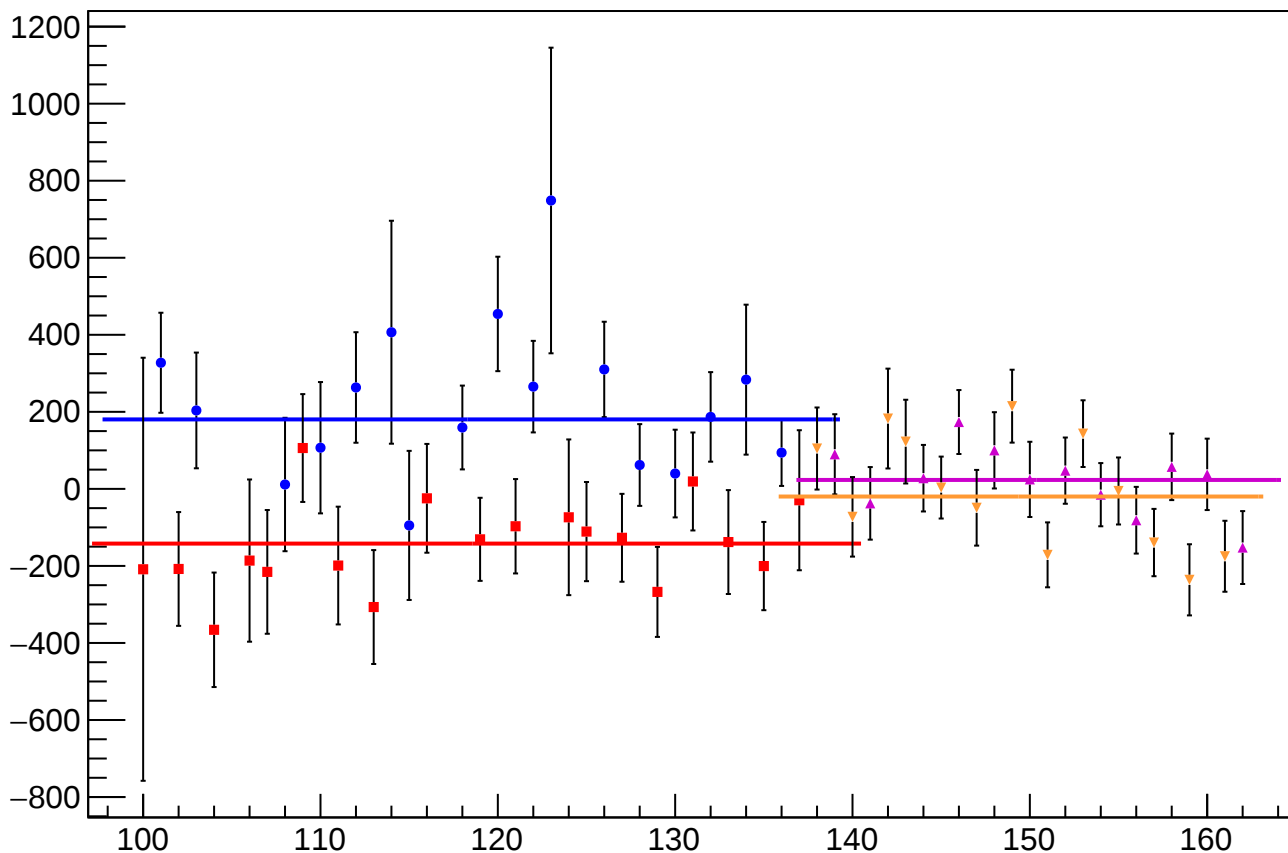
Left In: 343.933 $\pm$ 0.079 χ^2 /NDF: 545190.2/11

+ sign 379.860 $\pm$ 0.069 χ^2 /NDF: 2259230.1/29

All: 378.765 $\pm$ 0.048 χ^2 /NDF: 4400620.1/60

- sign 377.717 $\pm$ 0.067 χ^2 /NDF: 2140896.3/30

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 ± 32.769 χ^2/NDF : 16.6/16

Left Out: -19.855 ± 26.094 χ^2/NDF : 29.1/12

Right Out: -142.040 ± 32.338 χ^2/NDF : 11.7/18

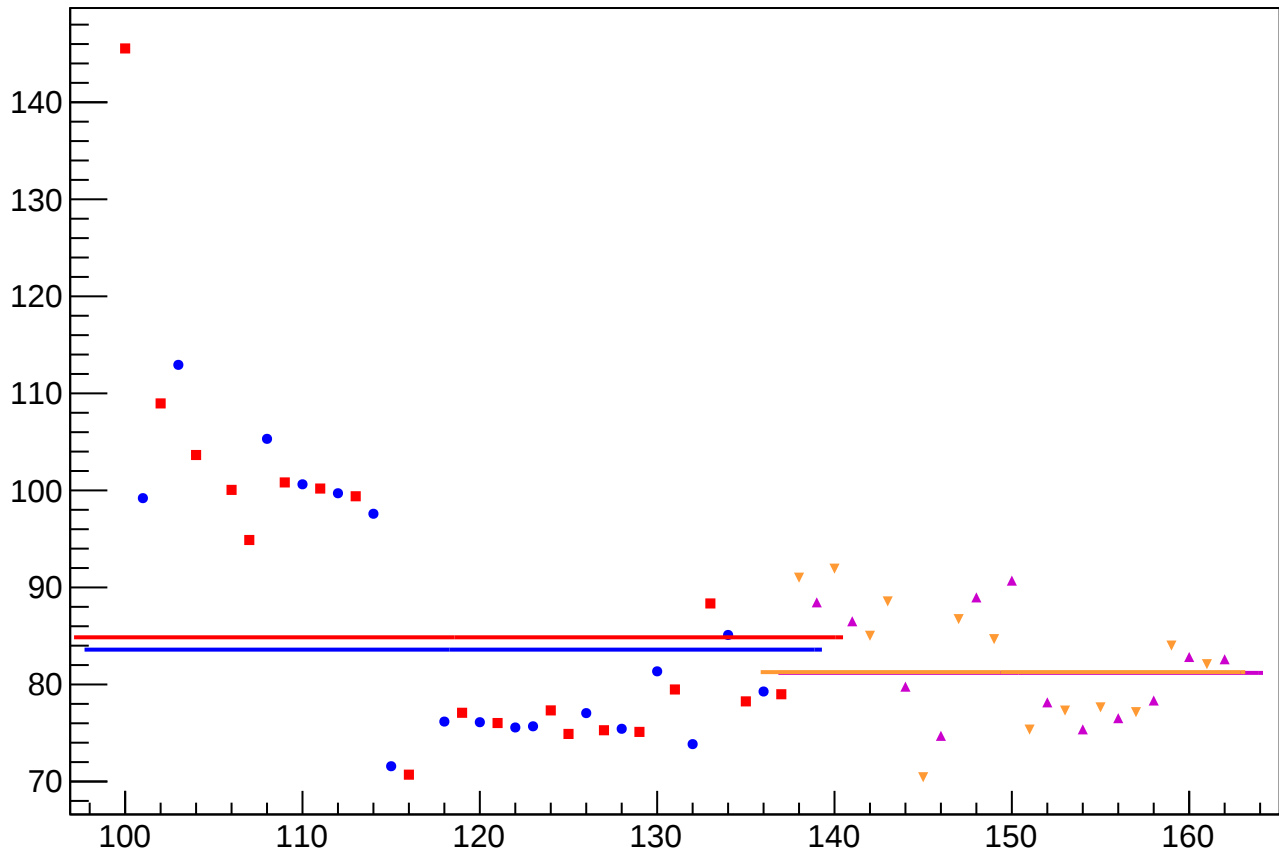
Left In: 23.204 ± 26.077 χ^2/NDF : 10.1/11

+ sign 57.825 ± 20.413 χ^2/NDF : 68.5/29

All: 7.680 ± 14.394 χ^2/NDF : 118.1/60

- sign -41.908 ± 20.299 χ^2/NDF : 37.6/30

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 81.273 $\pm$ 0.018 χ^2 /NDF: 117720.9/12

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

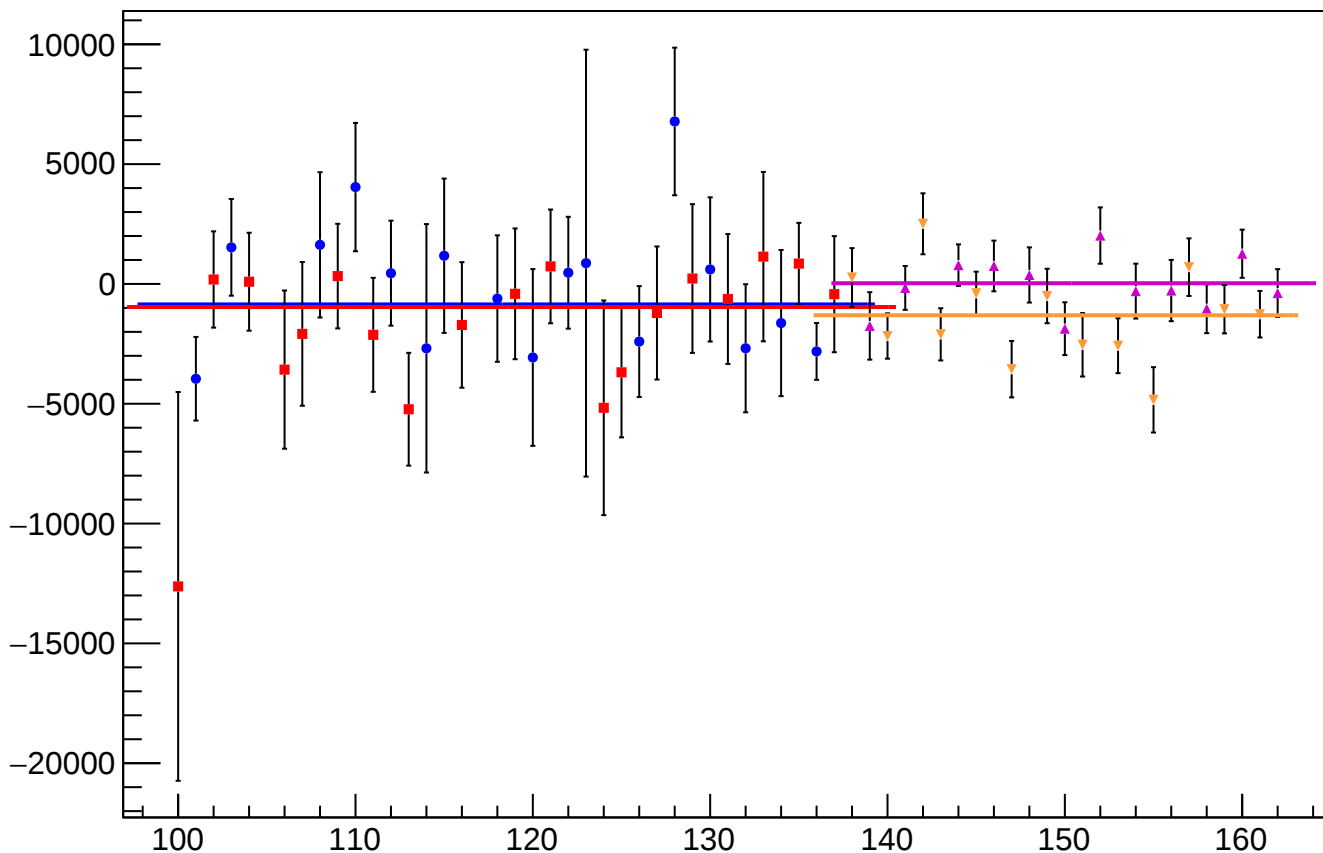
Left In: 81.194 $\pm$ 0.018 χ^2 /NDF: 81815.5/11

+ sign 82.172 $\pm$ 0.014 χ^2 /NDF: 379767.1/29

All: 82.407 $\pm$ 0.010 χ^2 /NDF: 768301.0/60

- sign 82.639 $\pm$ 0.014 χ^2 /NDF: 388008.3/30

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 ± 583.290 χ^2/NDF : 20.3/16

Left Out: -1307.136 ± 307.589 χ^2/NDF : 28.9/12

Right Out: -962.932 ± 589.071 χ^2/NDF : 11.5/18

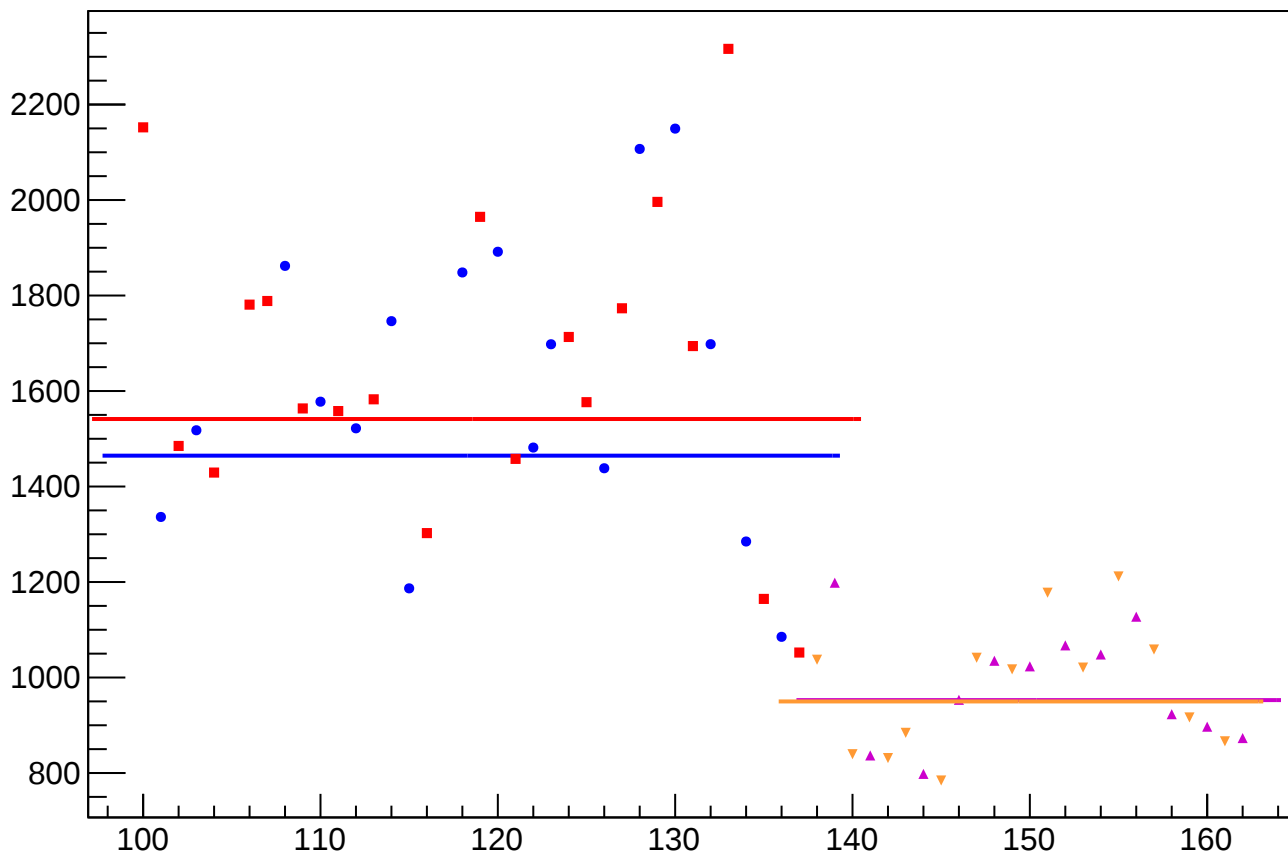
Left In: 29.194 ± 307.698 χ^2/NDF : 11.7/11

+ sign -1208.828 ± 272.077 χ^2/NDF : 49.6/29

All: -697.386 ± 192.619 χ^2/NDF : 82.2/60

- sign -183.475 ± 272.732 χ^2/NDF : 25.5/30

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 949.898 $\pm$ 0.217 χ^2 /NDF: 322334.1/12

Right Out: 1541.388 $\pm$ 0.417 χ^2 /NDF: 453710.5/18

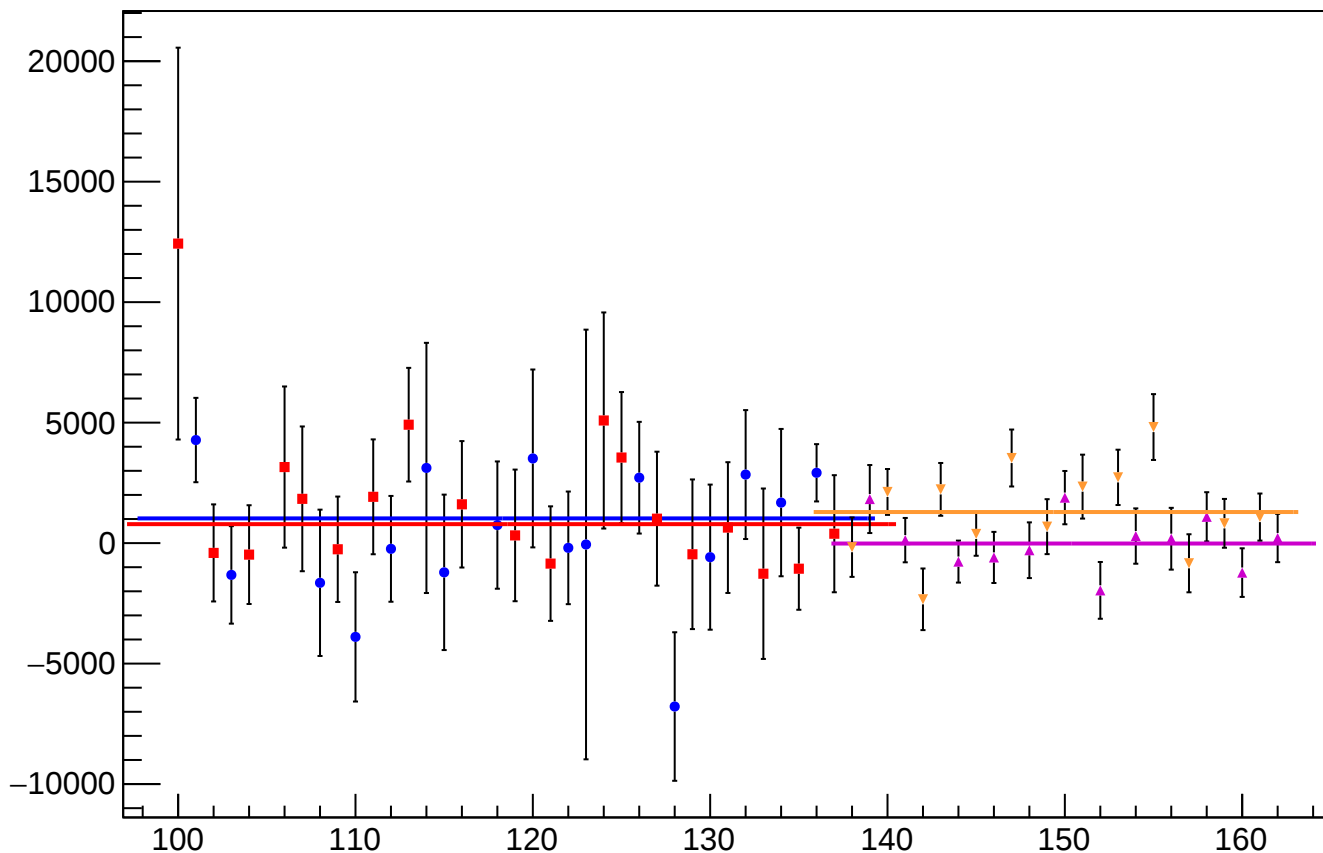
Left In: 952.718 $\pm$ 0.218 χ^2 /NDF: 265930.4/11

+ sign 1061.893 $\pm$ 0.192 χ^2 /NDF: 2101836.3/29

All: 1070.378 $\pm$ 0.136 χ^2 /NDF: 4394525.8/60

- sign 1078.903 $\pm$ 0.193 χ^2 /NDF: 2288789.9/30

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 ± 584.500 χ^2/NDF : 20.9/16

Left Out: 1290.045 ± 308.839 χ^2/NDF : 28.1/12

Right Out: 787.007 ± 590.388 χ^2/NDF : 11.2/18

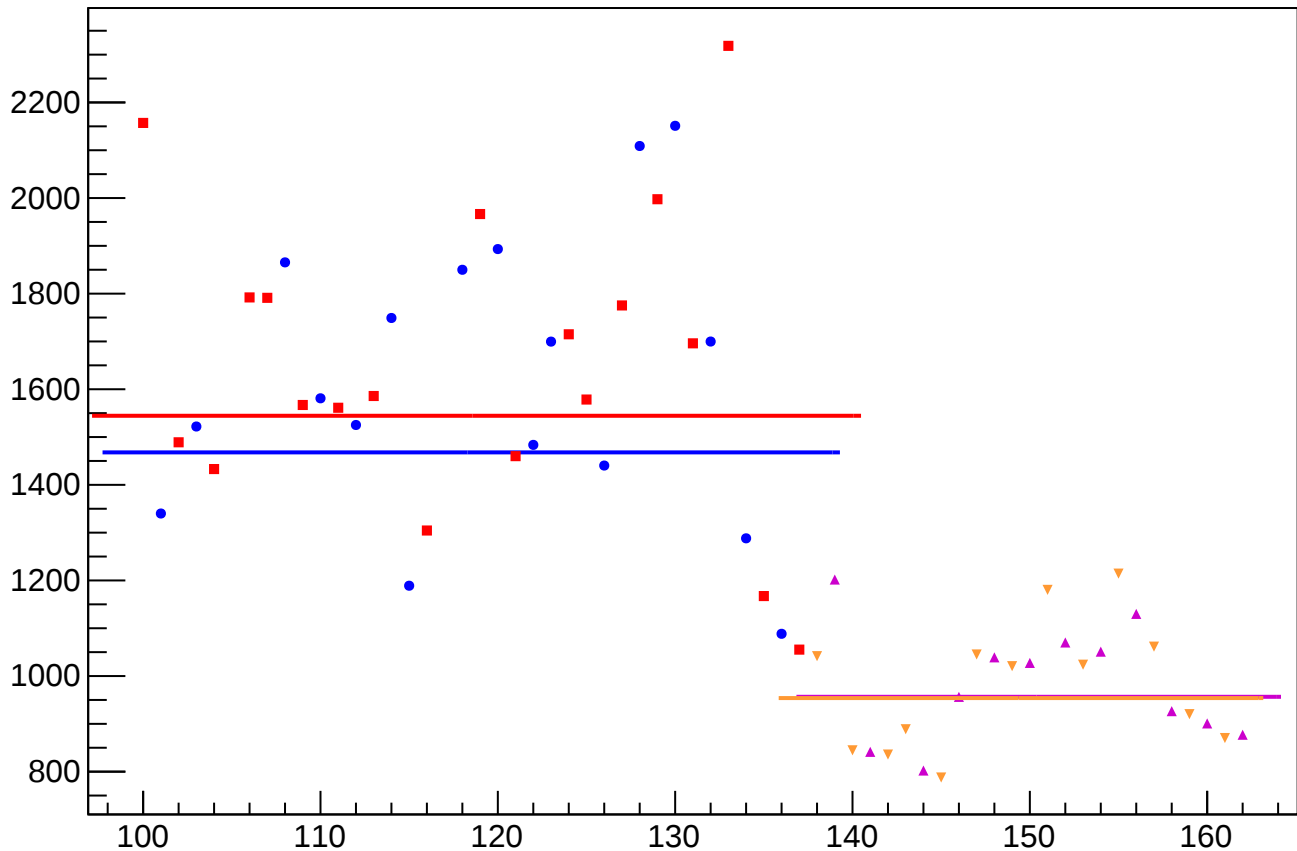
Left In: -17.094 ± 308.909 χ^2/NDF : 11.3/11

+ sign 1232.313 ± 273.064 χ^2/NDF : 49.2/29

All: 695.285 ± 193.312 χ^2/NDF : 80.8/60

- sign 155.731 ± 273.706 χ^2/NDF : 23.9/30

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 953.927+/-0.218 χ^2/NDF : 317630.0/12

Right Out: 1544.513+/-0.417 χ^2/NDF : 451805.9/18

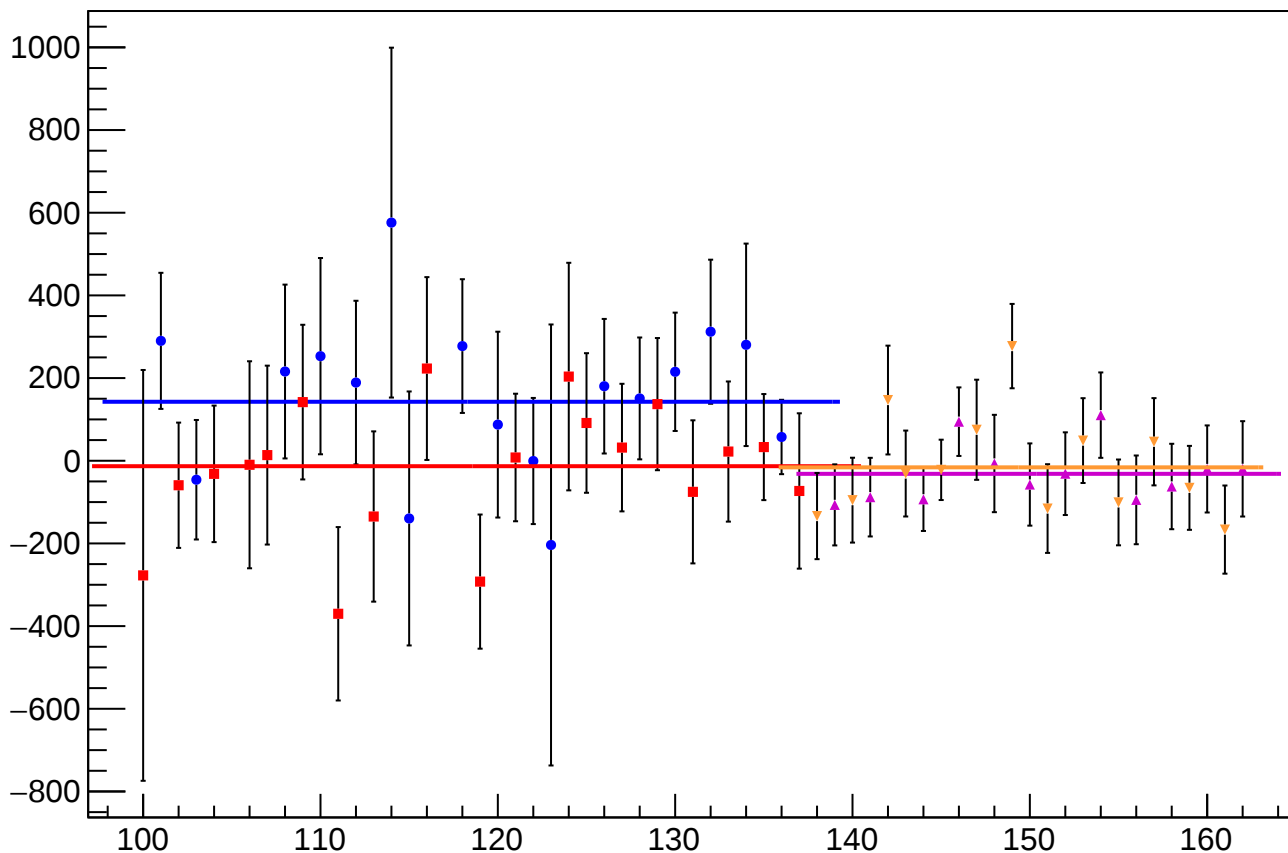
Left In: 956.594+/-0.218 χ^2/NDF : 261982.3/11

+ sign 1066.105+/-0.193 χ^2/NDF : 2084062.1/29

All: 1074.510+/-0.137 χ^2/NDF : 4358691.6/60

- sign 1082.955+/-0.194 χ^2/NDF : 2270830.8/30

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -15.962 $\pm$ 28.412 χ^2 /NDF:16.8/12

Right Out: -13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

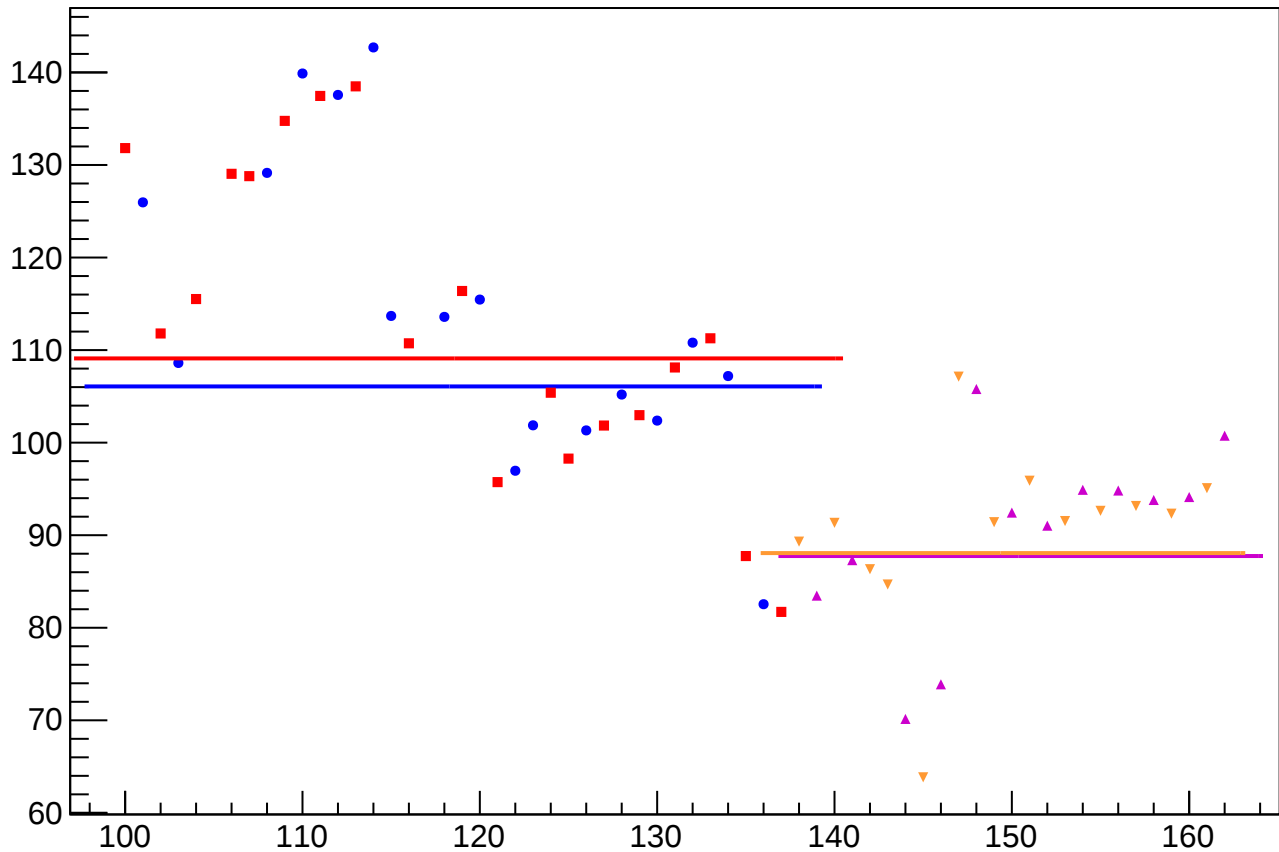
Left In: -31.645 $\pm$ 28.361 χ^2 /NDF:6.4/11

+ sign 34.460 $\pm$ 23.467 χ^2 /NDF: 36.0/29

All: 4.267 $\pm$ 16.569 χ^2 /NDF: 56.6/60

- sign -25.746 $\pm$ 23.397 χ^2 /NDF: 17.3/30

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 88.068 $\pm$ 0.020 χ^2 /NDF:310496.8/12

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

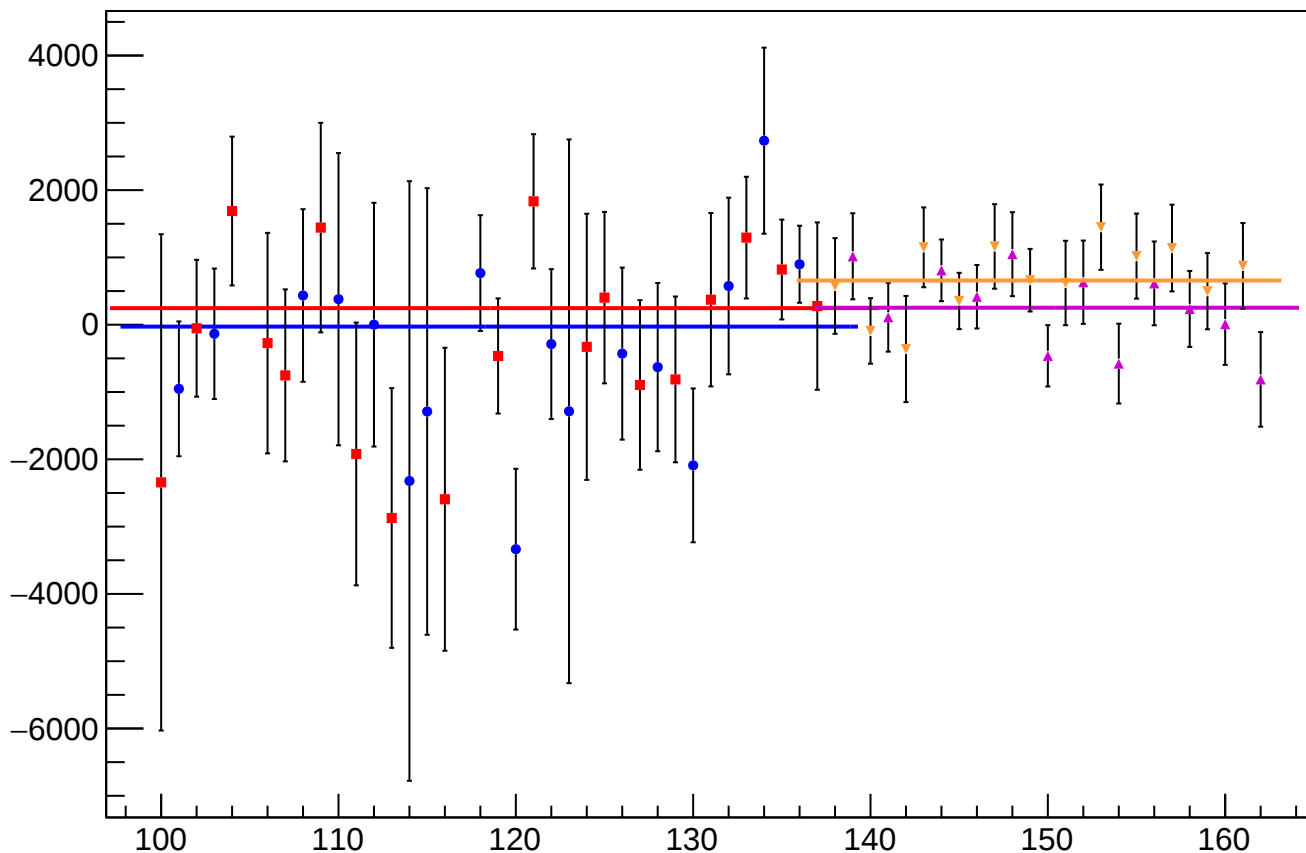
Left In: 87.750 $\pm$ 0.020 χ^2 /NDF:276791.7/11

+ sign 93.790 $\pm$ 0.017 χ^2 /NDF: 883700.9/29

All: 94.181 $\pm$ 0.012 χ^2 /NDF: 1809068.0/60

- sign 94.570 $\pm$ 0.017 χ^2 /NDF: 924260.0/30

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 657.117 ± 160.013 χ^2/NDF : 8.6/12

Right Out: 246.386 ± 279.451 χ^2/NDF : 15.9/18

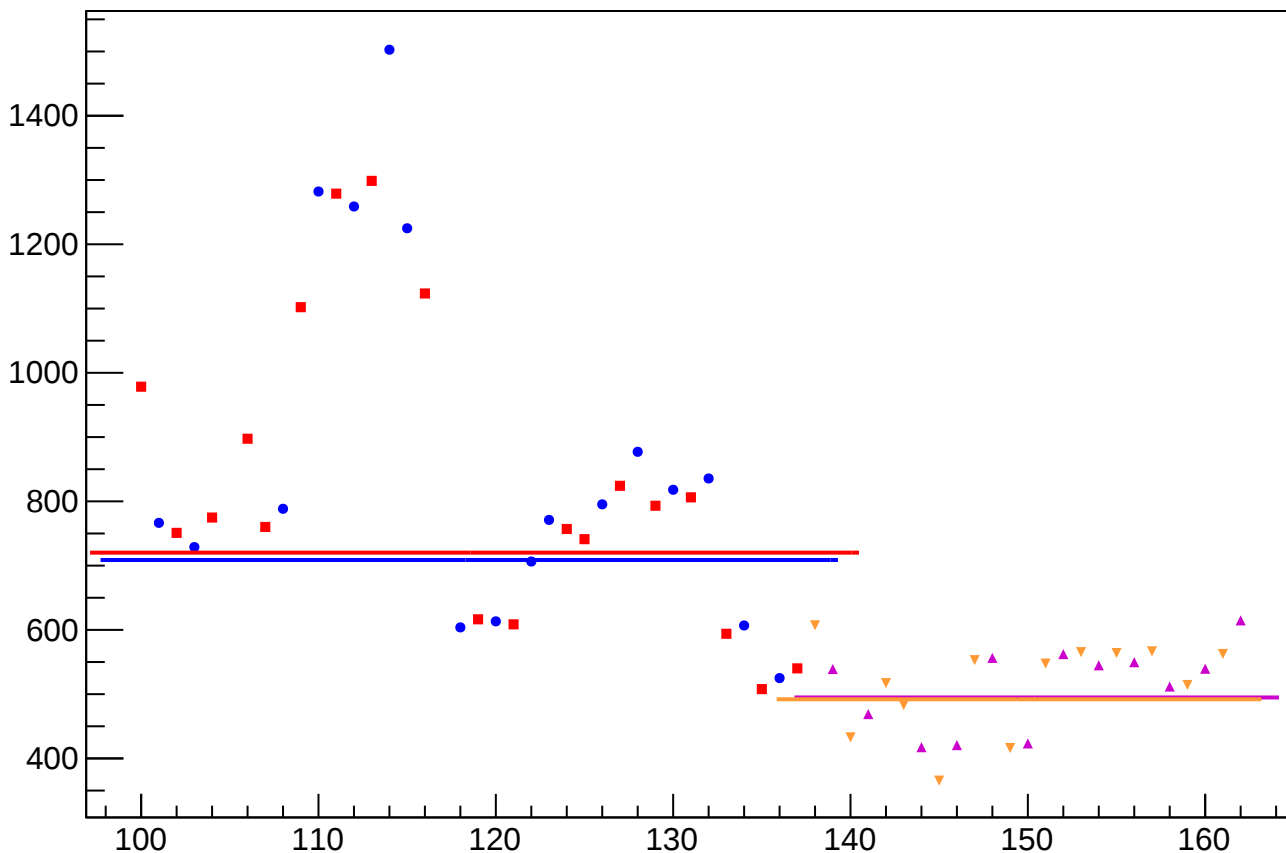
Left In: 252.529 ± 160.478 χ^2/NDF : 12.3/11

+ sign 491.812 ± 139.378 χ^2/NDF : 33.5/29

All: 371.224 ± 98.479 χ^2/NDF : 63.2/60

- sign 251.006 ± 139.164 χ^2/NDF : 28.2/30

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2/NDF : 793538.1/16

Left Out: 492.019 $\pm$ 0.113 χ^2/NDF : 462270.8/12

Right Out: 720.201 $\pm$ 0.198 χ^2/NDF : 899934.4/18

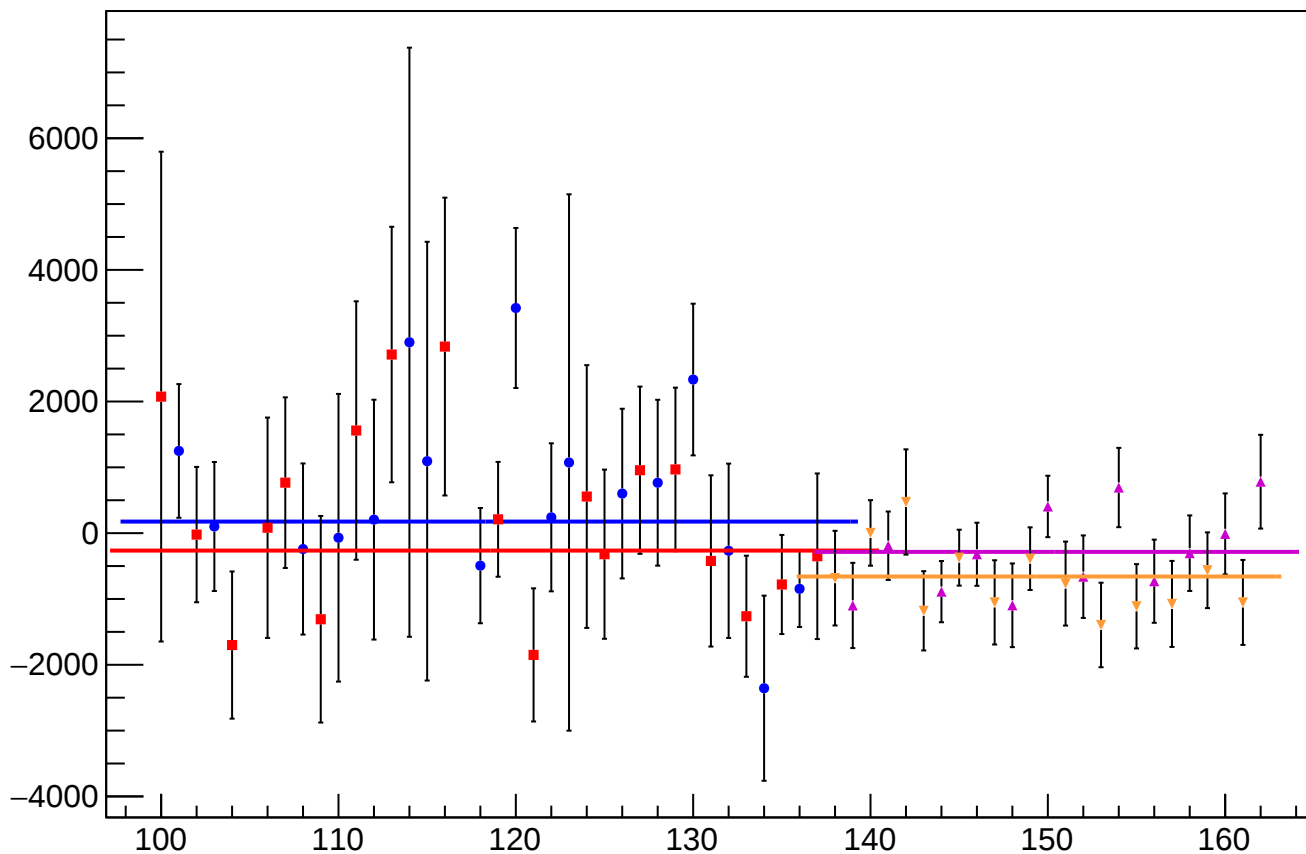
Left In: 494.850 $\pm$ 0.113 χ^2/NDF : 314273.6/11

+ sign 544.323 $\pm$ 0.099 χ^2/NDF : 2141411.0/29

All: 547.534 $\pm$ 0.070 χ^2/NDF : 4335785.9/60

- sign 550.736 $\pm$ 0.098 χ^2/NDF : 2192254.7/30

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 ± 287.218 χ^2/NDF : 19.7/16

Left Out: -658.902 ± 162.715 χ^2/NDF : 8.3/12

Right Out: -264.622 ± 283.074 χ^2/NDF : 14.8/18

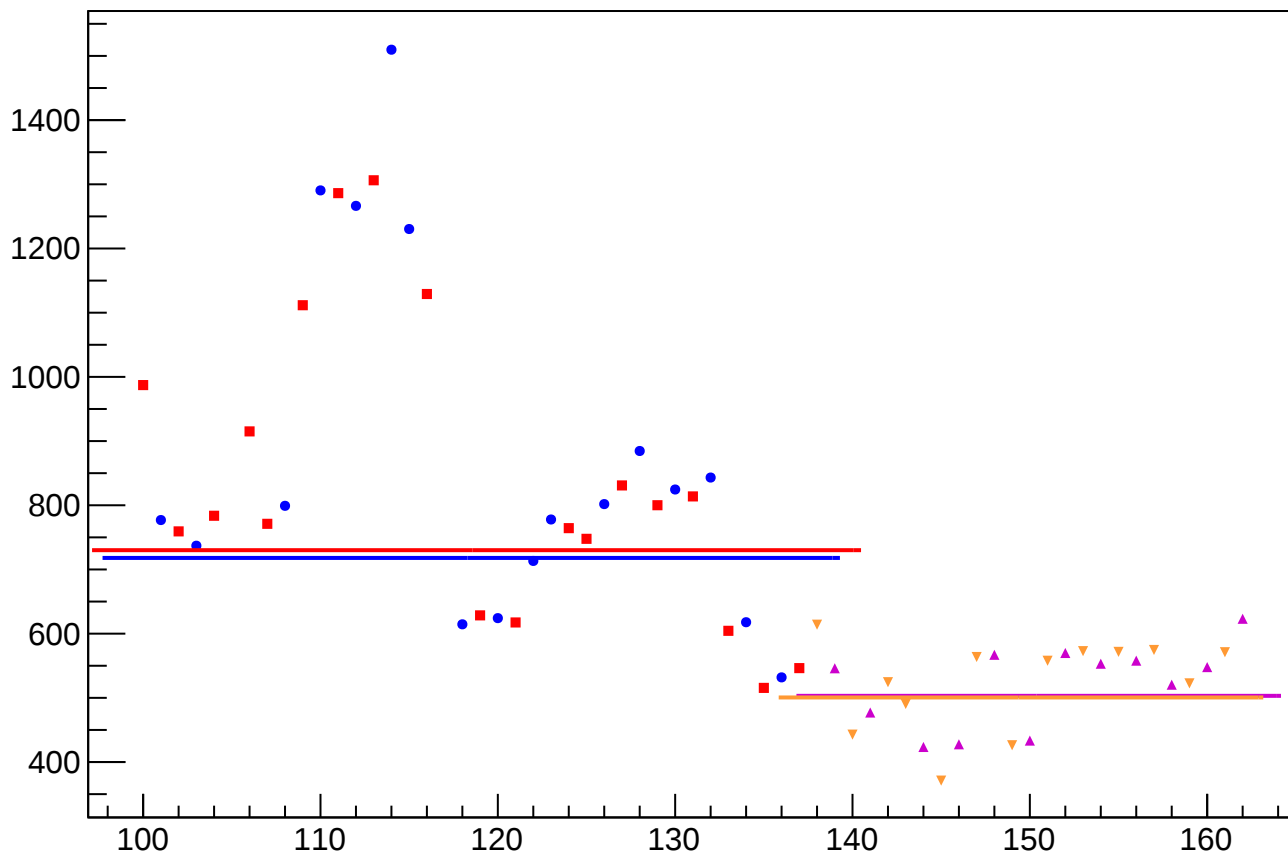
Left In: -284.670 ± 163.113 χ^2/NDF : 13.1/11

+ sign -456.084 ± 141.575 χ^2/NDF : 34.5/29

All: -367.725 ± 100.021 χ^2/NDF : 63.1/60

- sign -279.673 ± 141.329 χ^2/NDF : 27.9/30

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 500.598+/-0.115 χ^2/NDF : 451599.8/12

Right Out: 730.040+/-0.200 χ^2/NDF : 881842.0/18

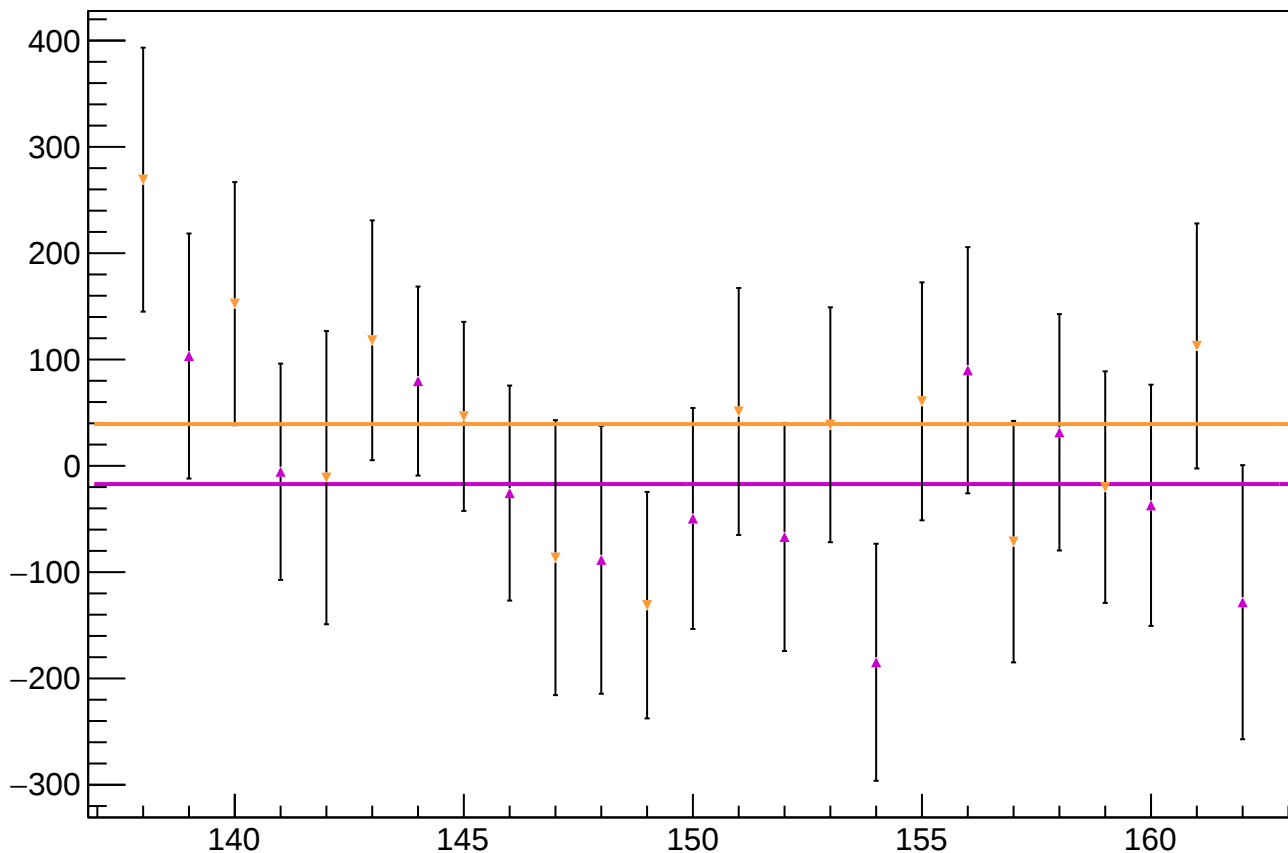
Left In: 503.141+/-0.115 χ^2/NDF : 307719.3/11

+ sign 553.413+/-0.100 χ^2/NDF : 2097421.7/29

All: 556.562+/-0.071 χ^2/NDF : 4253634.6/60

- sign 559.699+/-0.100 χ^2/NDF : 2154237.9/30

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 39.284 $\pm$ 31.311 χ^2 /NDF:10.2/12

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

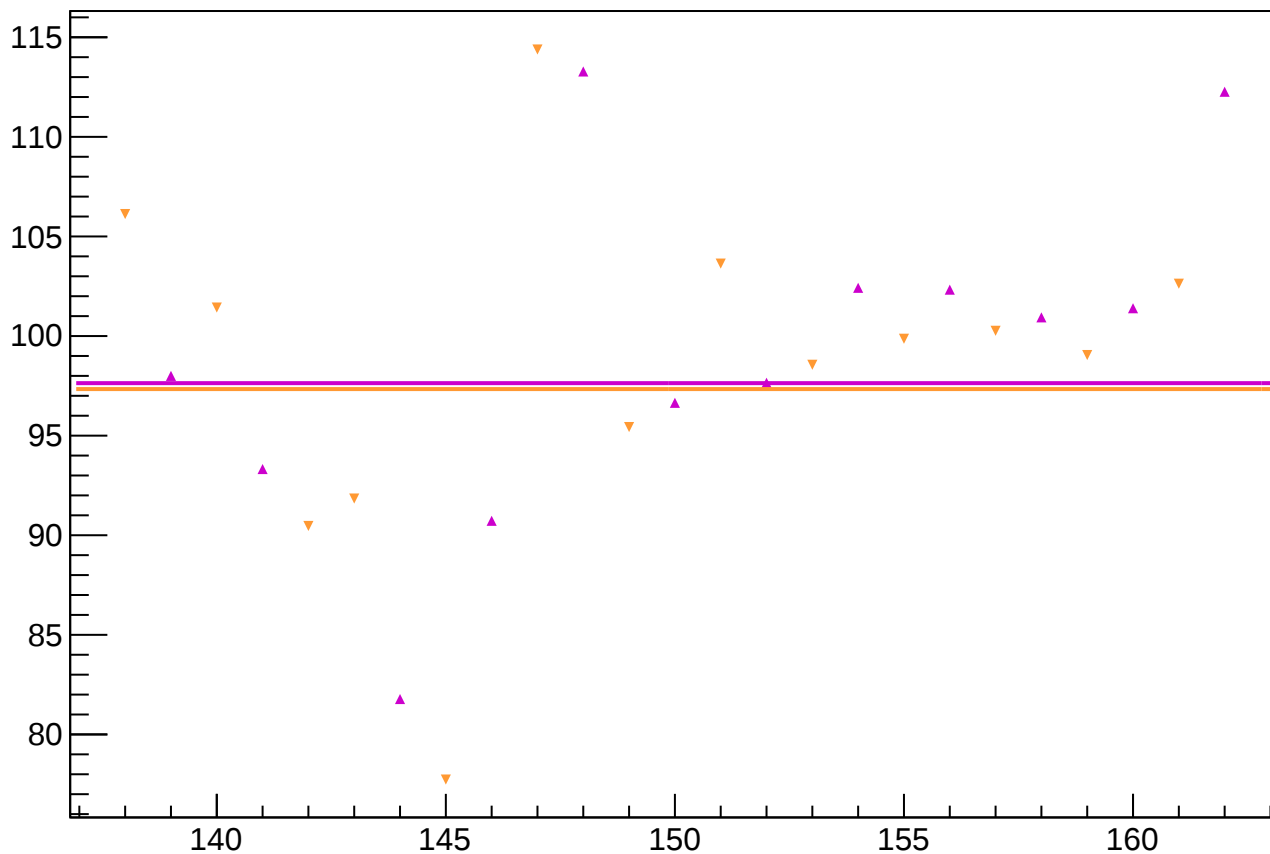
Left In: -17.142 $\pm$ 31.426 χ^2 /NDF:7.0/11

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

All: 11.175 $\pm$ 22.180 χ^2 /NDF: 18.9/24

- sign 0.000 $\pm$ 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: 97.338+/-0.022 χ^2/NDF :168090.3/12

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

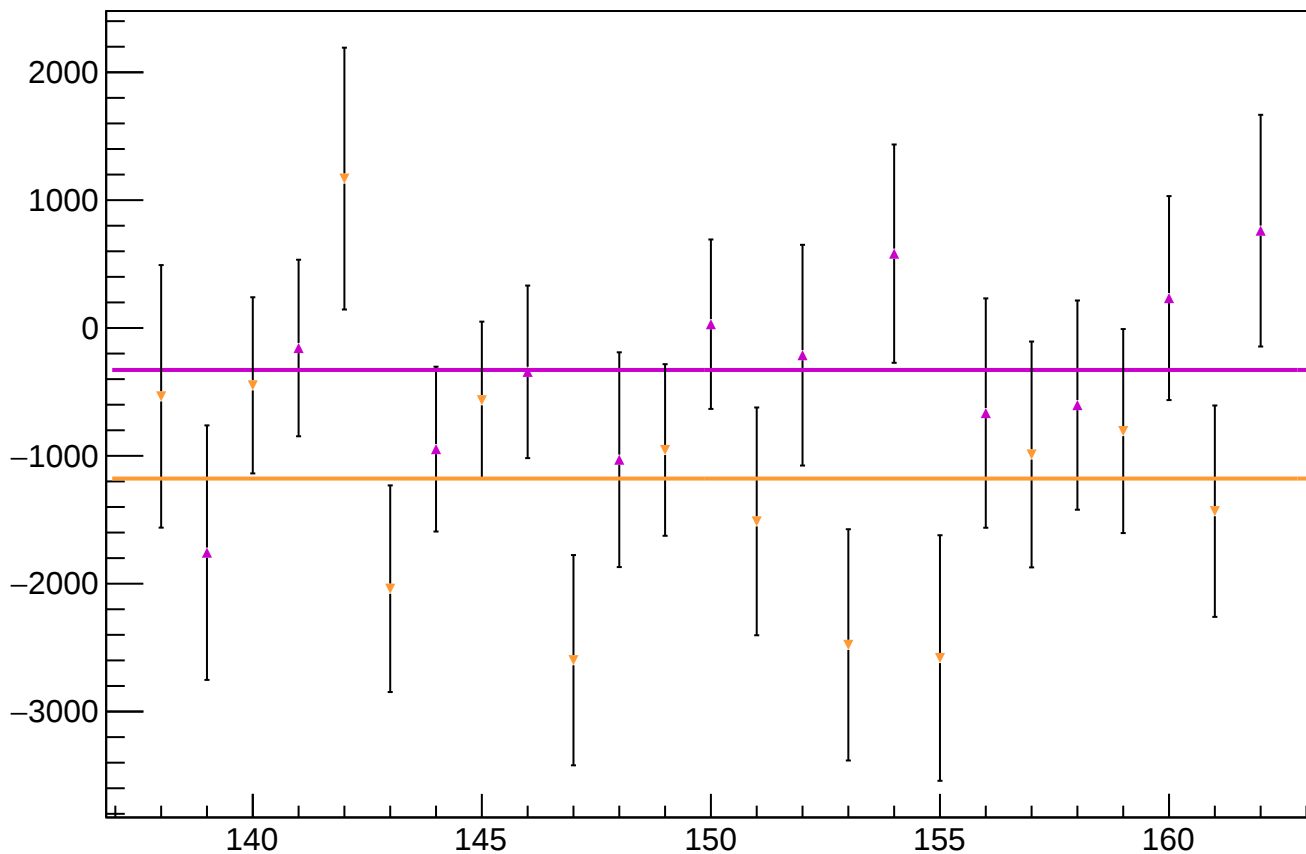
Left In: 97.636+/-0.022 χ^2/NDF :144350.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 97.486+/-0.016 χ^2/NDF : 312531.5/24

- 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: -1177.743+/-224.912 χ^2/NDF :16.7/12

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

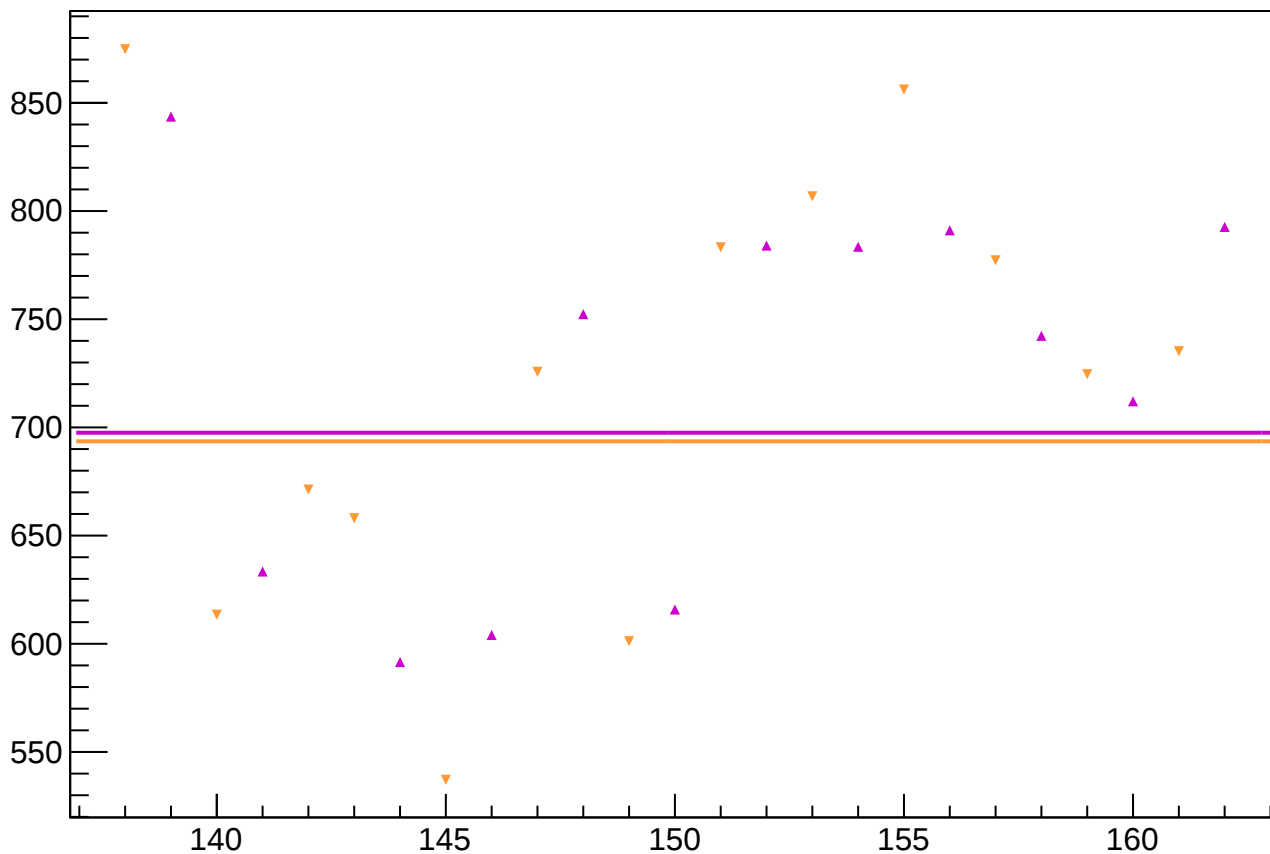
Left In: -328.266+/-225.628 χ^2/NDF :7.4/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -754.354+/-159.289 χ^2/NDF : 31.2/24

- 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: 693.580+/-0.159 χ^2/NDF : 399676.4/12

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

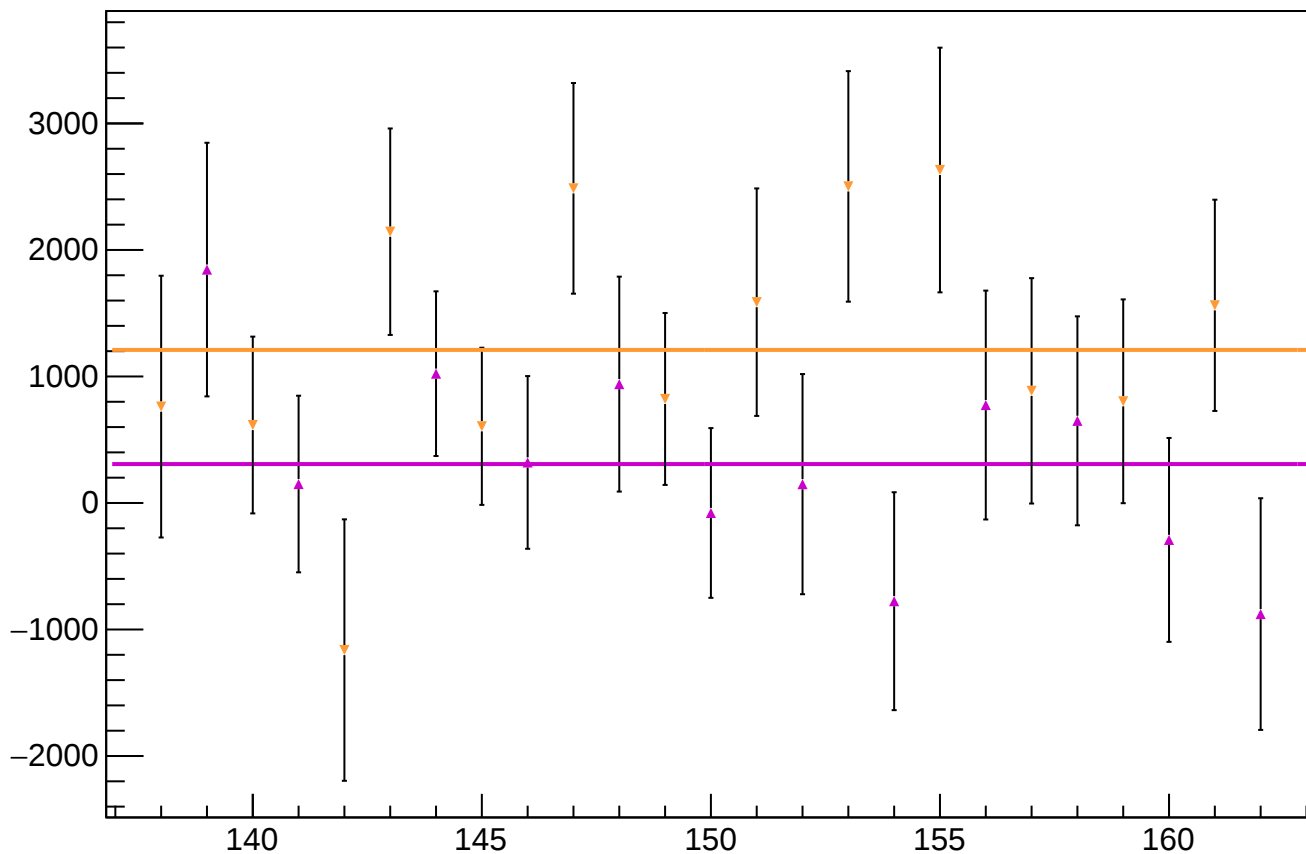
Left In: 697.554+/-0.160 χ^2/NDF : 282496.1/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 695.560+/-0.113 χ^2/NDF : 682483.8/24

- 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: 1209.924+/-227.221 χ^2/NDF :16.0/12

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

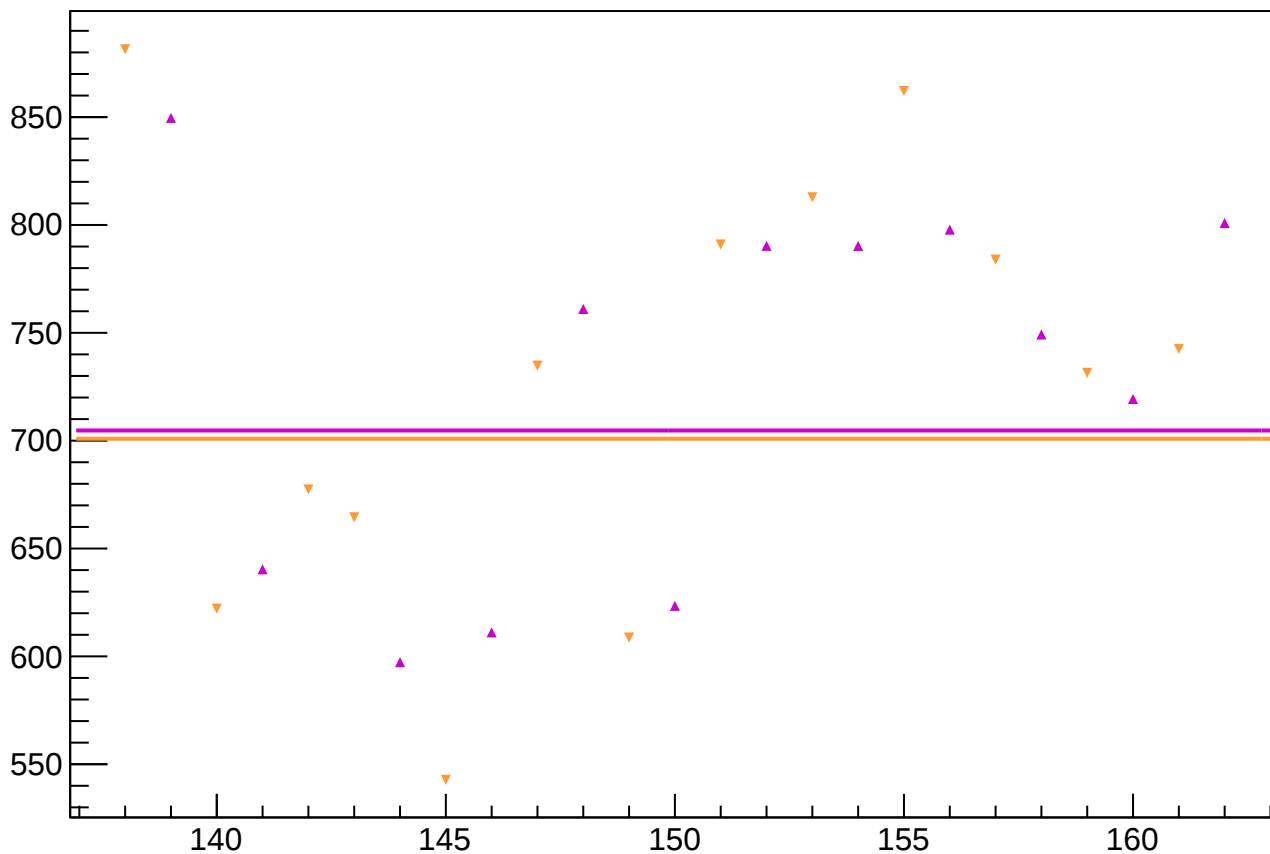
Left In: 307.646+/-227.903 χ^2/NDF :8.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 760.138+/-160.910 χ^2/NDF : 32.7/24

- 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: 700.899+/-0.161 χ^2/NDF : 392202.0/12

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

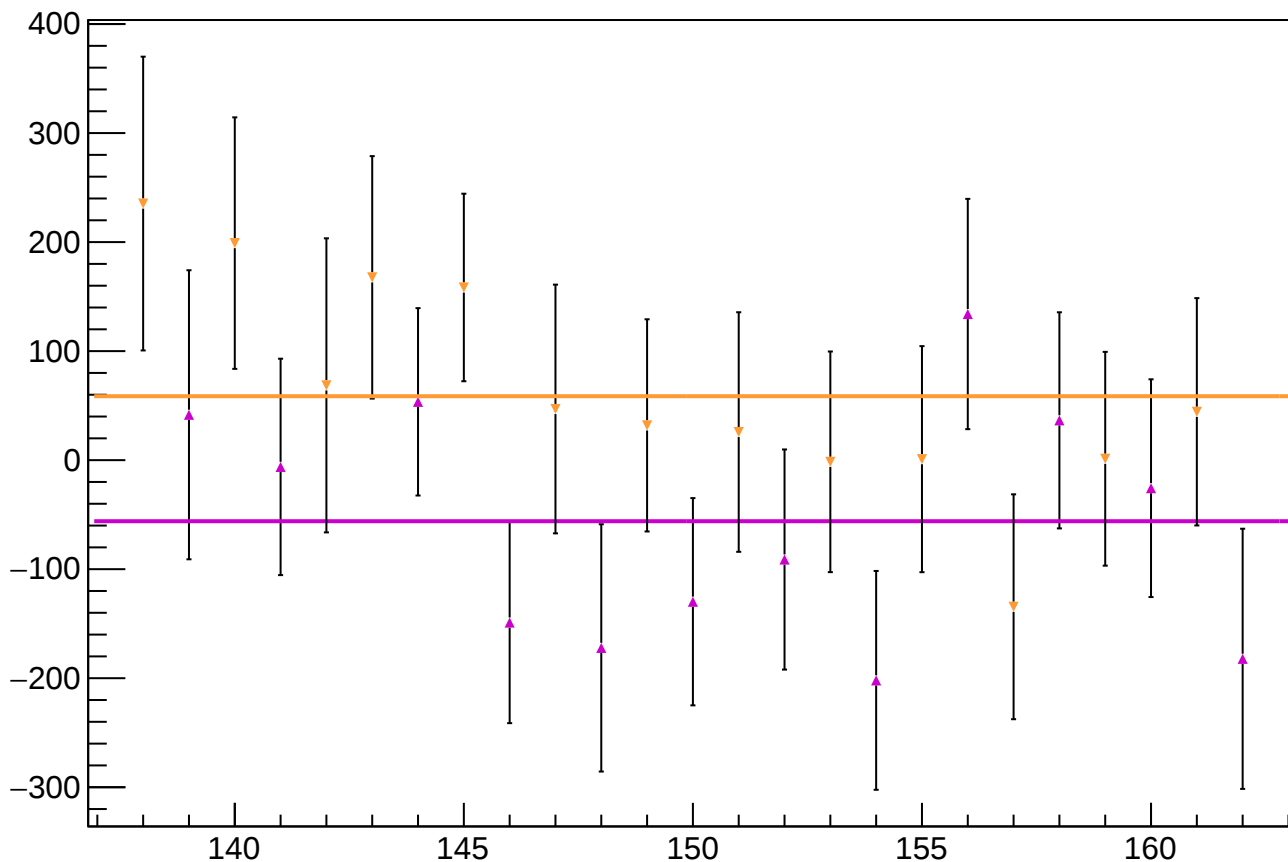
Left In: 704.722+/-0.161 χ^2/NDF : 277904.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 702.805+/-0.114 χ^2/NDF : 670388.9/24

- 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: 58.645 $\pm$ 29.522 χ^2 /NDF:10.2/12

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

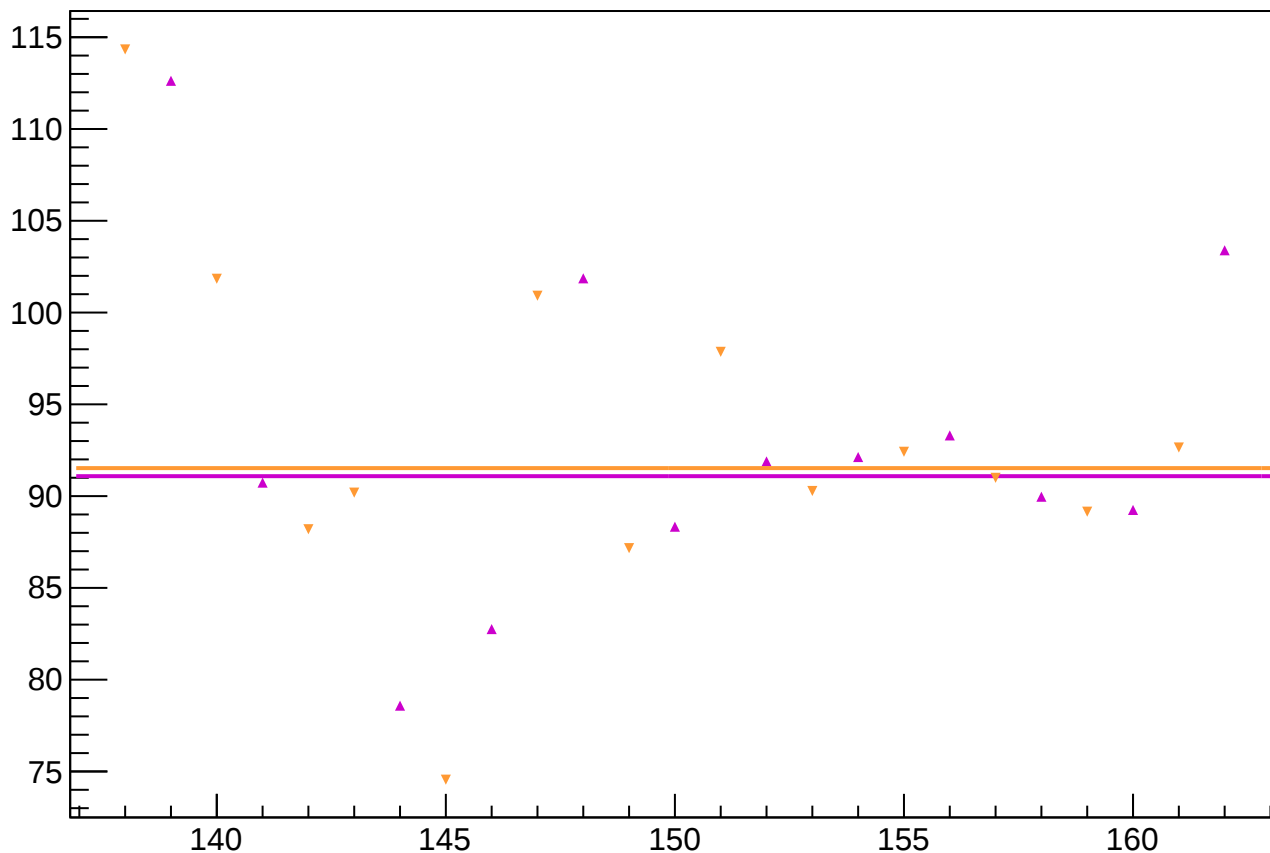
Left In: -56.007 $\pm$ 29.372 χ^2 /NDF:12.6/11

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

All: 1.027 $\pm$ 20.822 χ^2 /NDF: 30.4/24

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

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 91.525+/-0.021 χ^2/NDF :178870.0/12

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

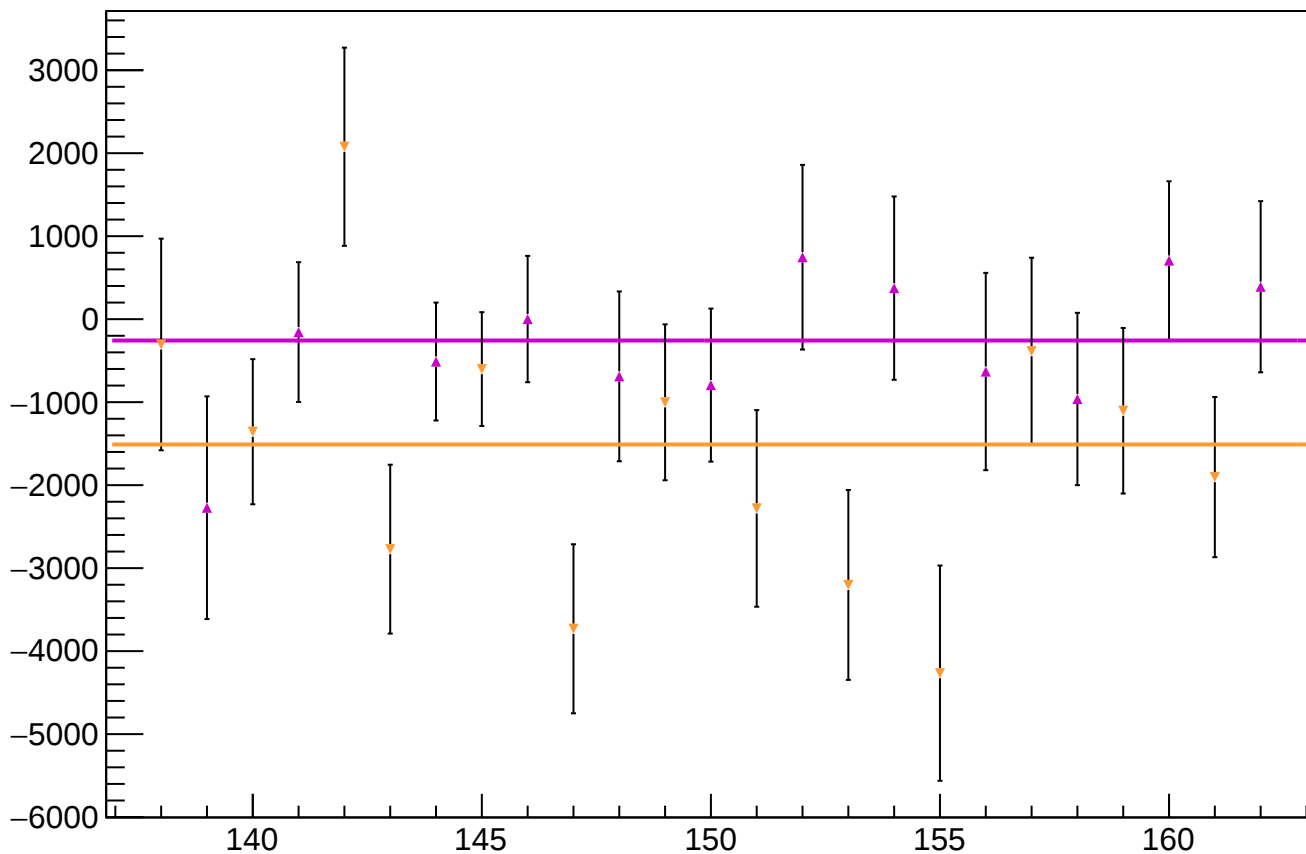
Left In: 91.086+/-0.021 χ^2/NDF :154648.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 91.305+/-0.015 χ^2/NDF : 333740.4/24

- 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: -1509.903 $\pm$ 280.052 χ^2 /NDF:26.7/12

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

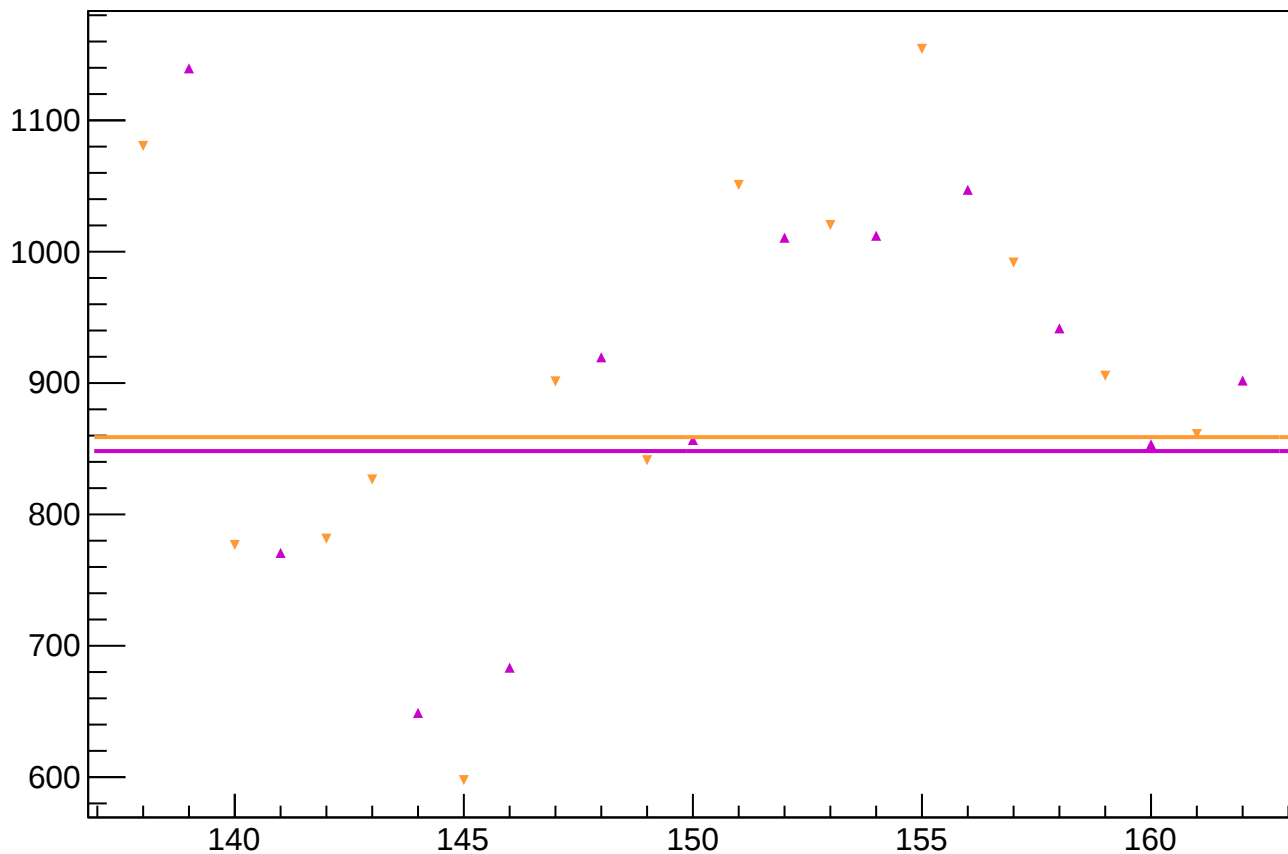
Left In: -257.240 $\pm$ 276.249 χ^2 /NDF:6.1/11

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

All: -875.009 $\pm$ 196.668 χ^2 /NDF: 43.0/24

- 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: 858.838+/-0.198 χ^2/NDF : 610991.1/12

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

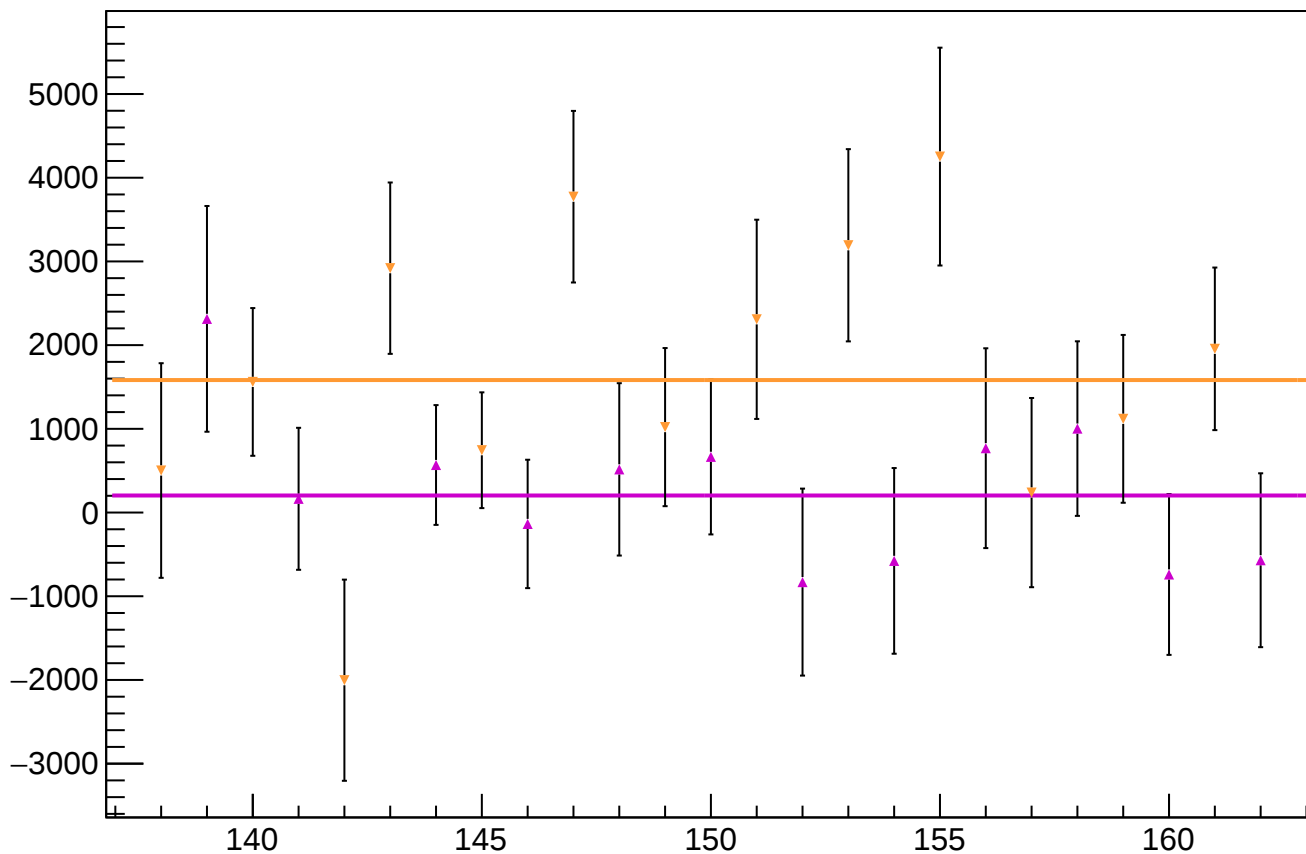
Left In: 848.243+/-0.195 χ^2/NDF : 536881.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 853.468+/-0.139 χ^2/NDF : 1149323.6/24

- 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: 1582.725+/-281.756 χ^2/NDF : 26.0/12

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

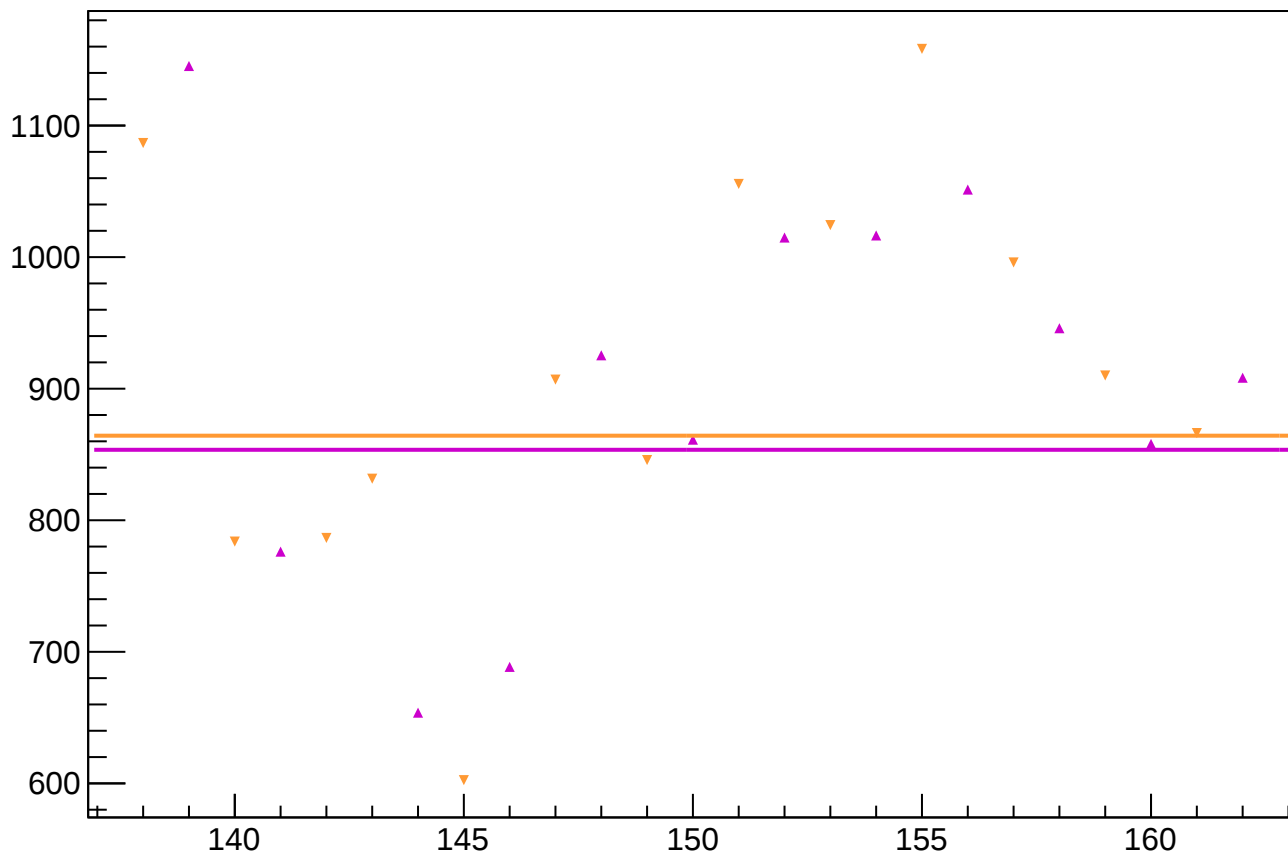
Left In: 203.592+/-277.922 χ^2/NDF : 6.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 883.711+/-197.862 χ^2/NDF : 45.1/24

- 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: 864.281+/-0.199 χ^2/NDF : 602171.2/12

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

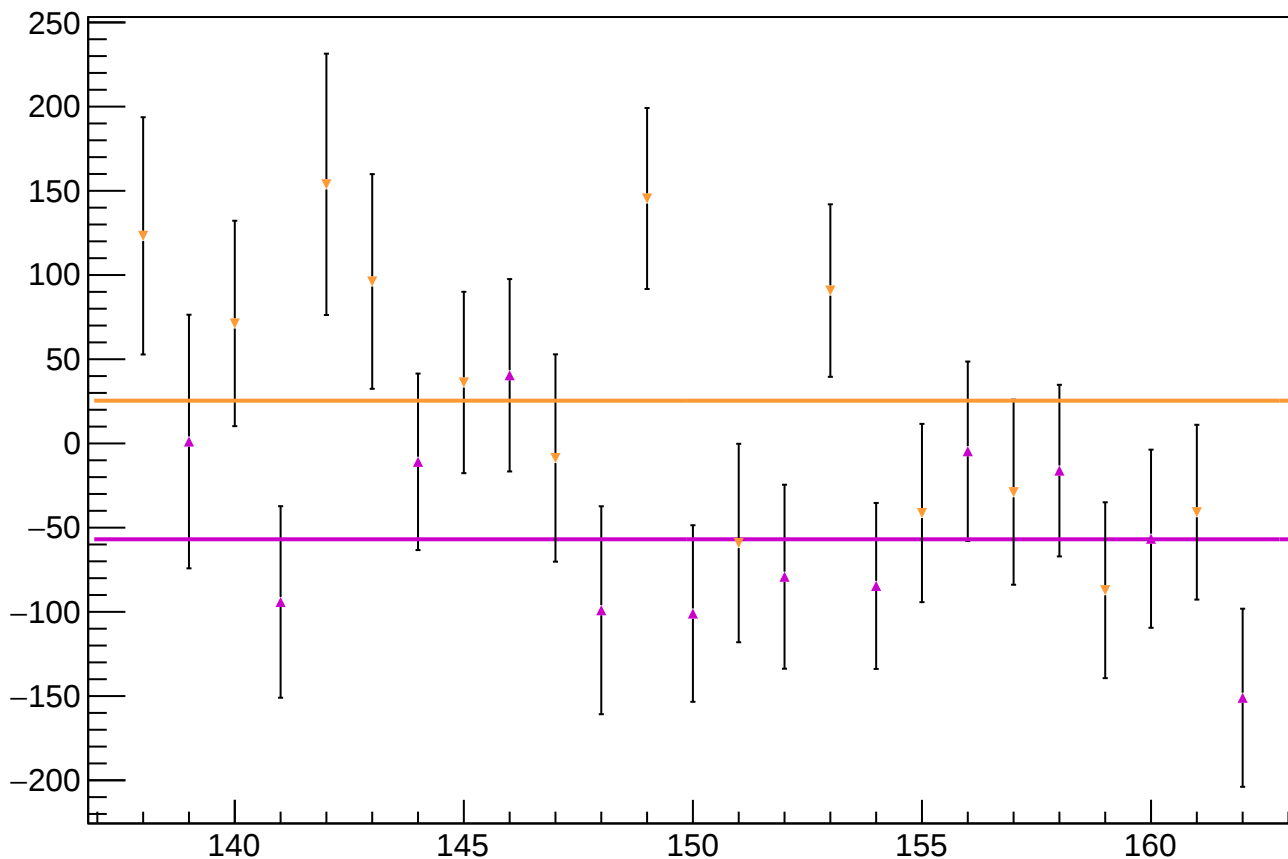
Left In: 853.560+/-0.197 χ^2/NDF : 529733.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 858.847+/-0.140 χ^2/NDF : 1133372.5/24

- 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: 25.398+/-15.945 χ^2/NDF :24.3/12

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

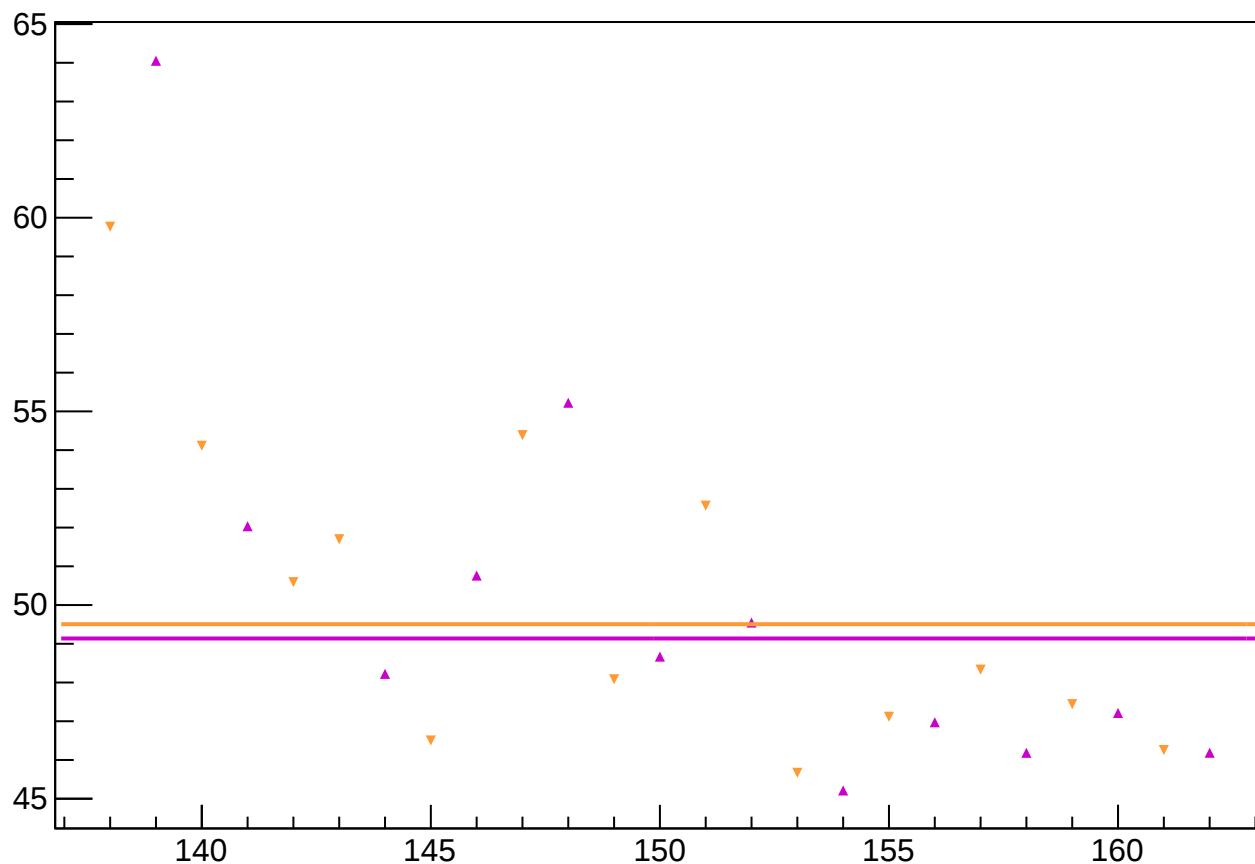
Left In: -56.912+/-15.845 χ^2/NDF :11.1/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -16.015+/-11.239 χ^2/NDF : 48.9/24

- 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: 49.505+/-0.011 χ^2/NDF :109385.8/12

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

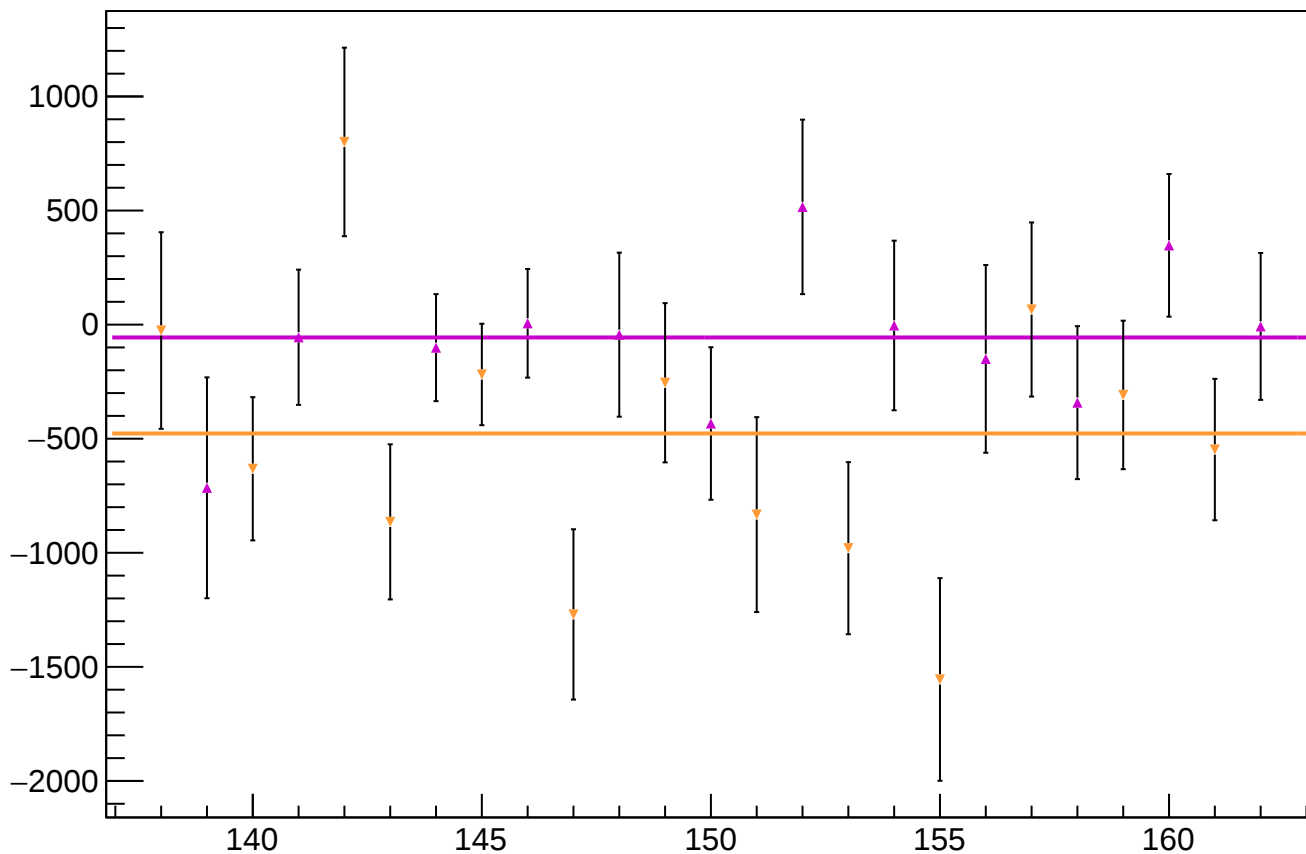
Left In: 49.137+/-0.011 χ^2/NDF :137189.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 49.320+/-0.008 χ^2/NDF : 247113.5/24

- 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: -477.024+/-95.360 χ^2/NDF : 29.2/12

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

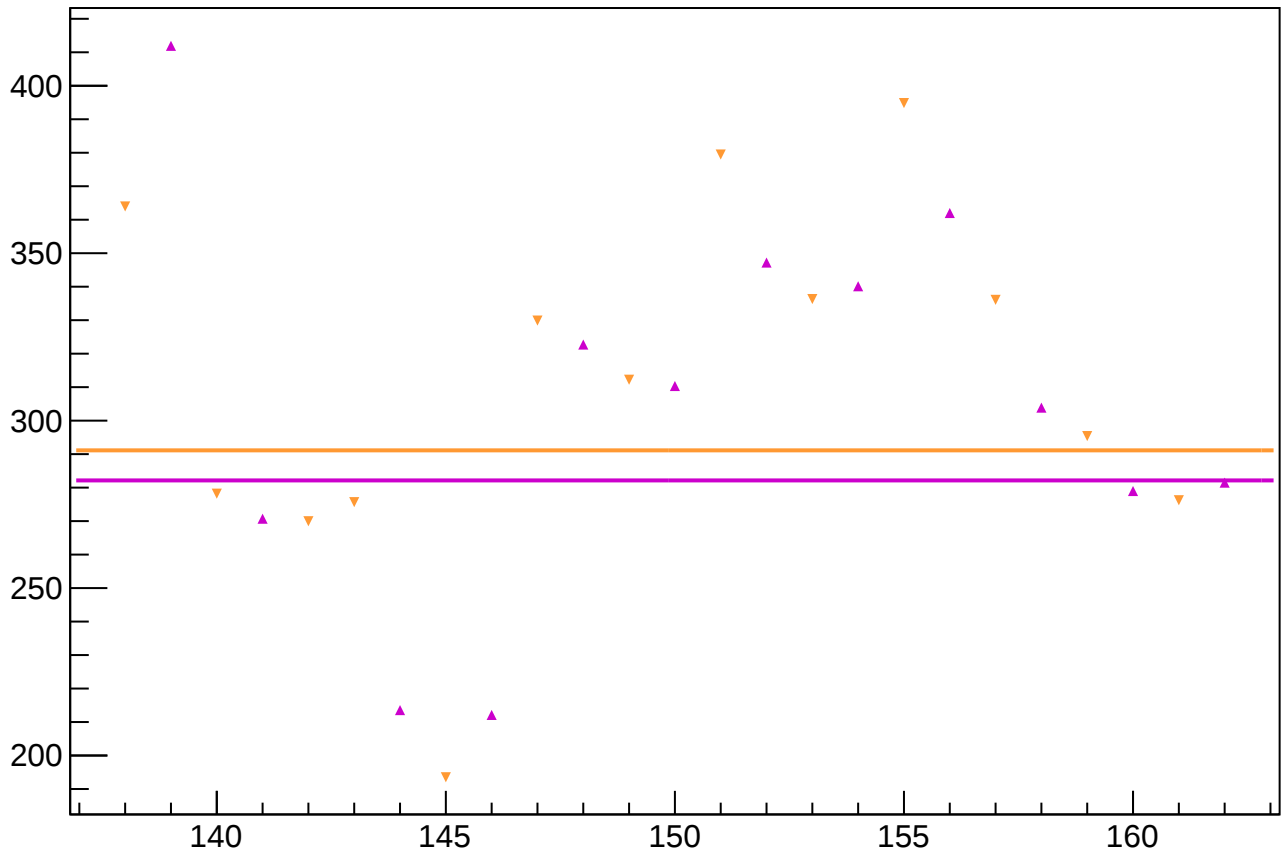
Left In: -56.254+/-92.489 χ^2/NDF : 8.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -260.209+/-66.391 χ^2/NDF : 47.2/24

- 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: 291.129+/-0.067 χ^2/NDF : 740497.3/12

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

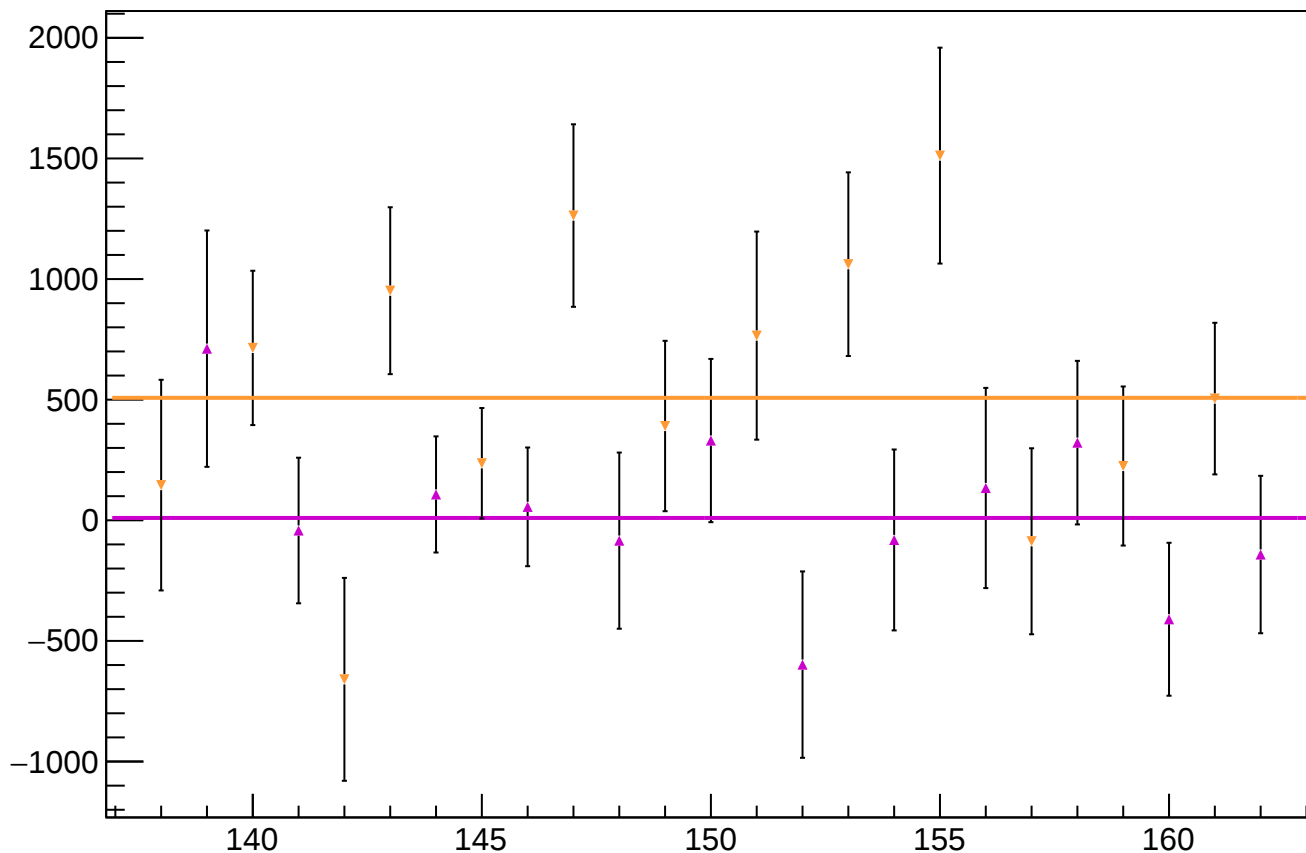
Left In: 282.151+/-0.065 χ^2/NDF : 720770.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 286.503+/-0.047 χ^2/NDF : 1470401.5/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_mean vs Slug



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

Left Out: 507.682+/-96.941 χ^2/NDF :26.6/12

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

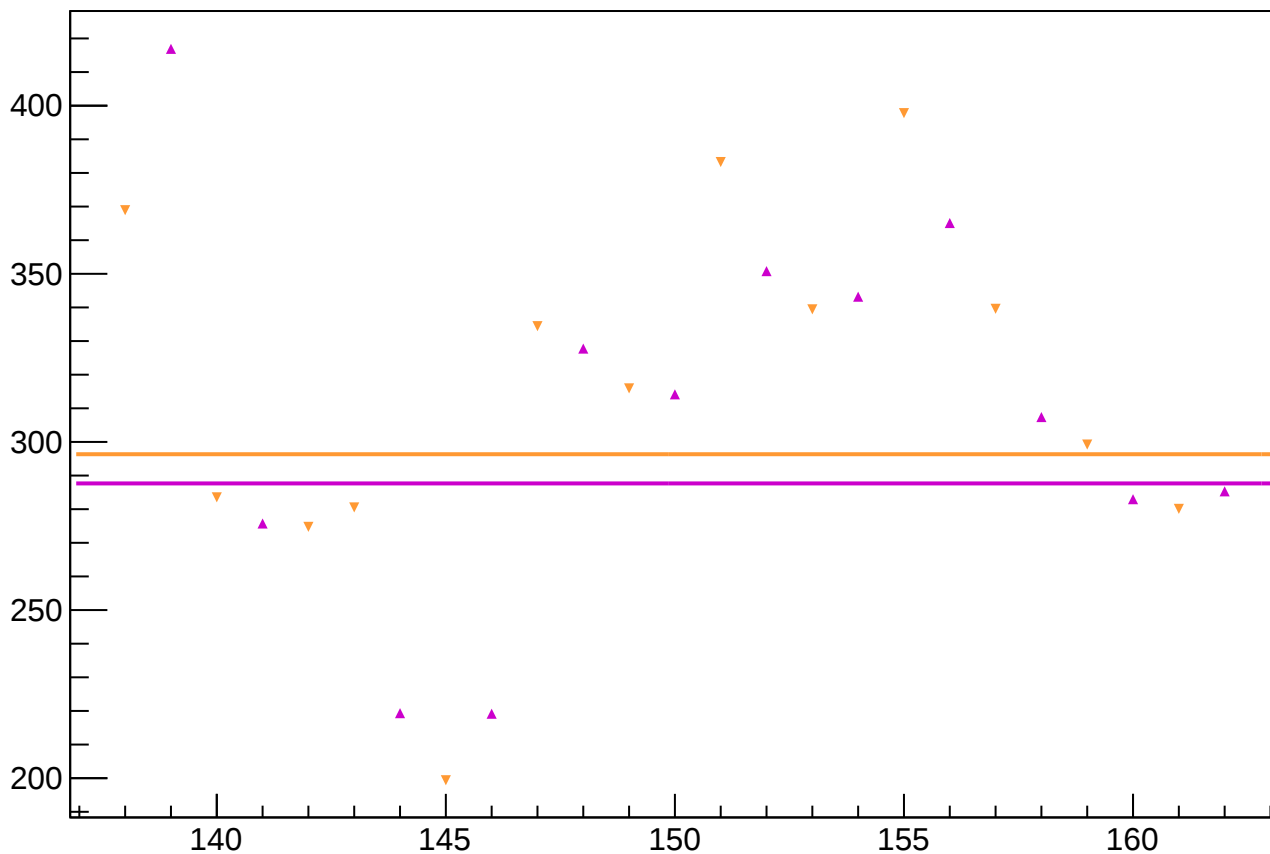
Left In: 9.766+/-94.154 χ^2/NDF :8.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 251.462+/-67.541 χ^2/NDF : 48.8/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1526_avg_rms vs Slug



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

Left Out: 296.347+/-0.069 χ^2/NDF : 692829.1/12

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

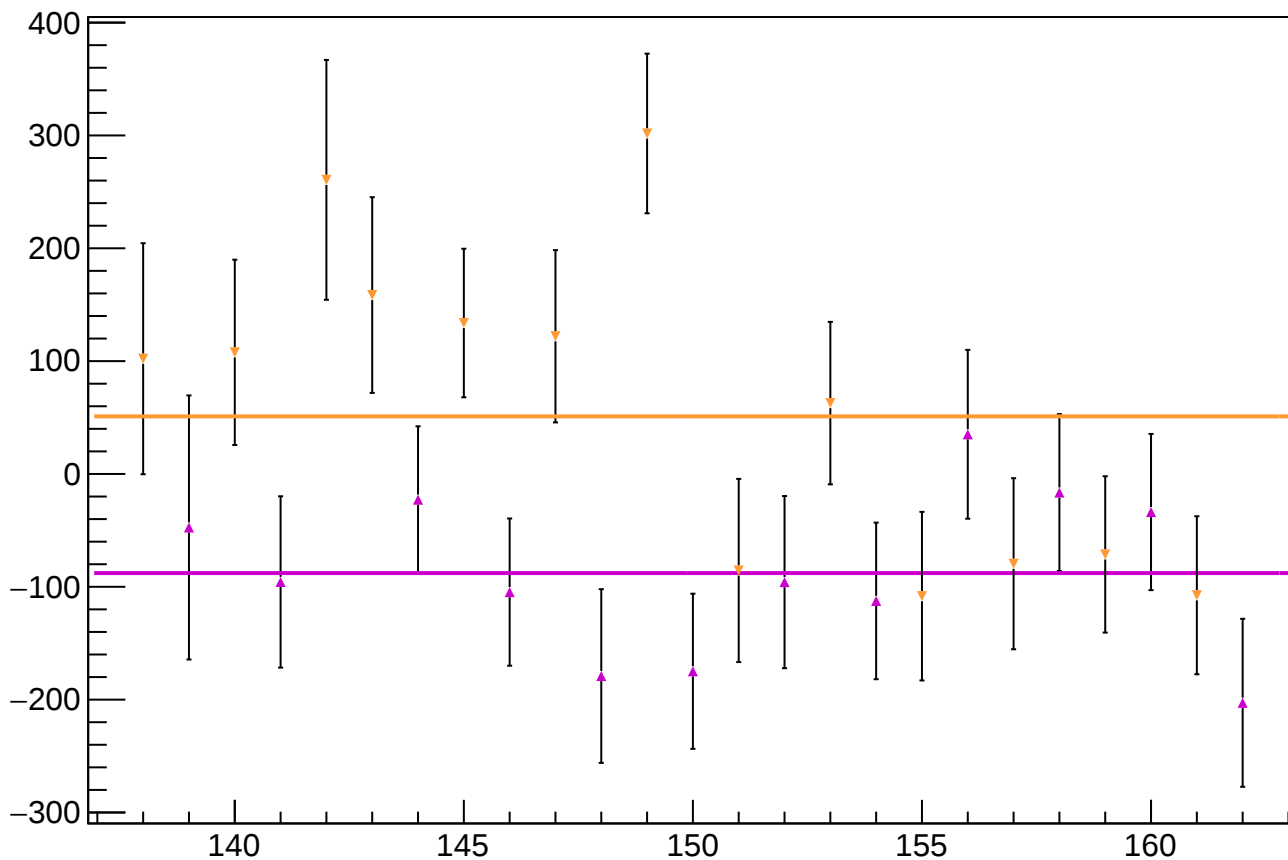
Left In: 287.663+/-0.067 χ^2/NDF : 669015.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 291.879+/-0.048 χ^2/NDF : 1370104.1/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 51.029+/-21.430 χ^2/NDF : 39.8/12

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

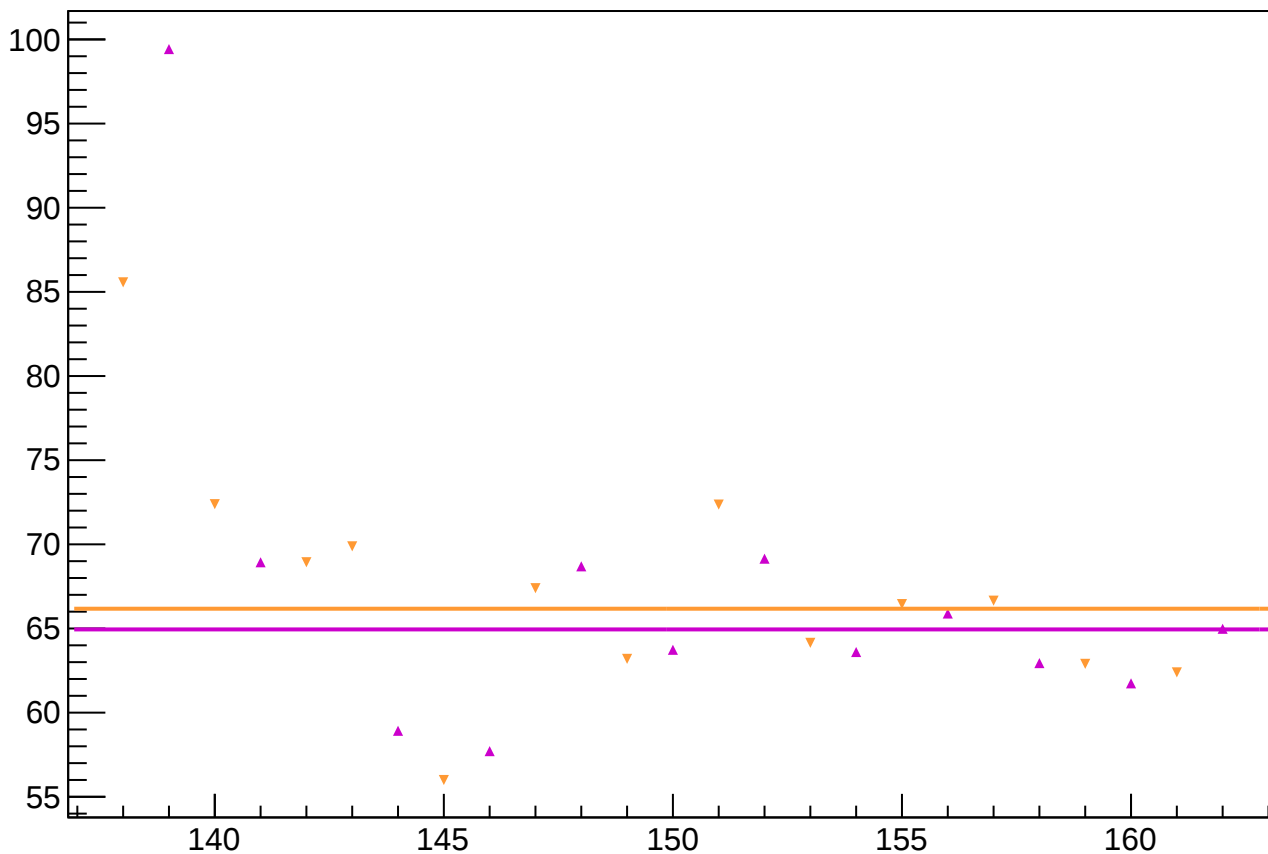
Left In: -87.829+/-21.068 χ^2/NDF : 11.1/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -19.581+/-15.024 χ^2/NDF : 72.2/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 66.175+/-0.015 χ^2/NDF :163701.6/12

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

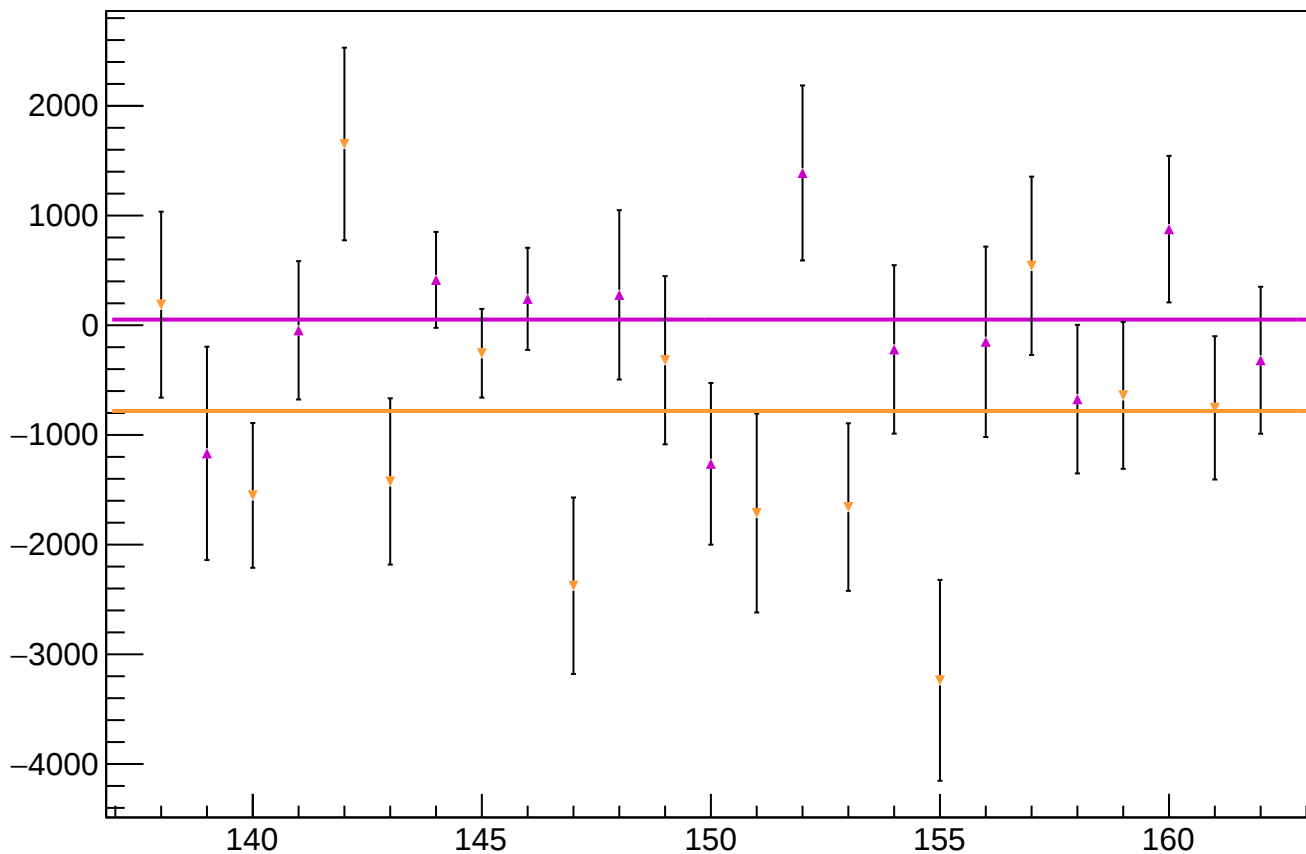
Left In: 64.945+/-0.015 χ^2/NDF :239381.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 65.549+/-0.011 χ^2/NDF : 406433.2/24

- 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: -781.808 $\pm$ 194.991 χ^2 /NDF:29.3/12

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

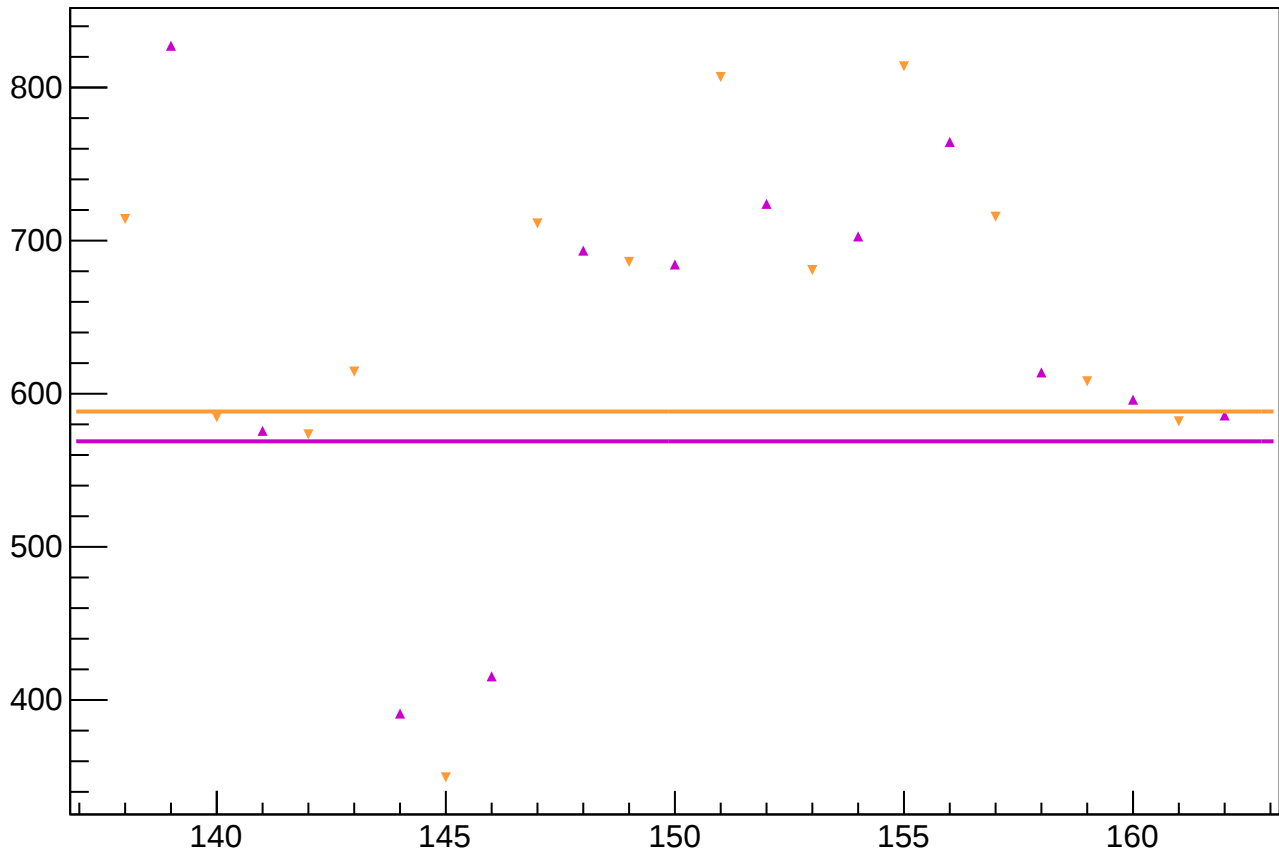
Left In: 51.679 $\pm$ 188.362 χ^2 /NDF:11.7/11

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

All: -350.655 $\pm$ 135.475 χ^2 /NDF: 50.4/24

- 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: 588.392+/-0.138 χ^2/NDF :1142318.7/12

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

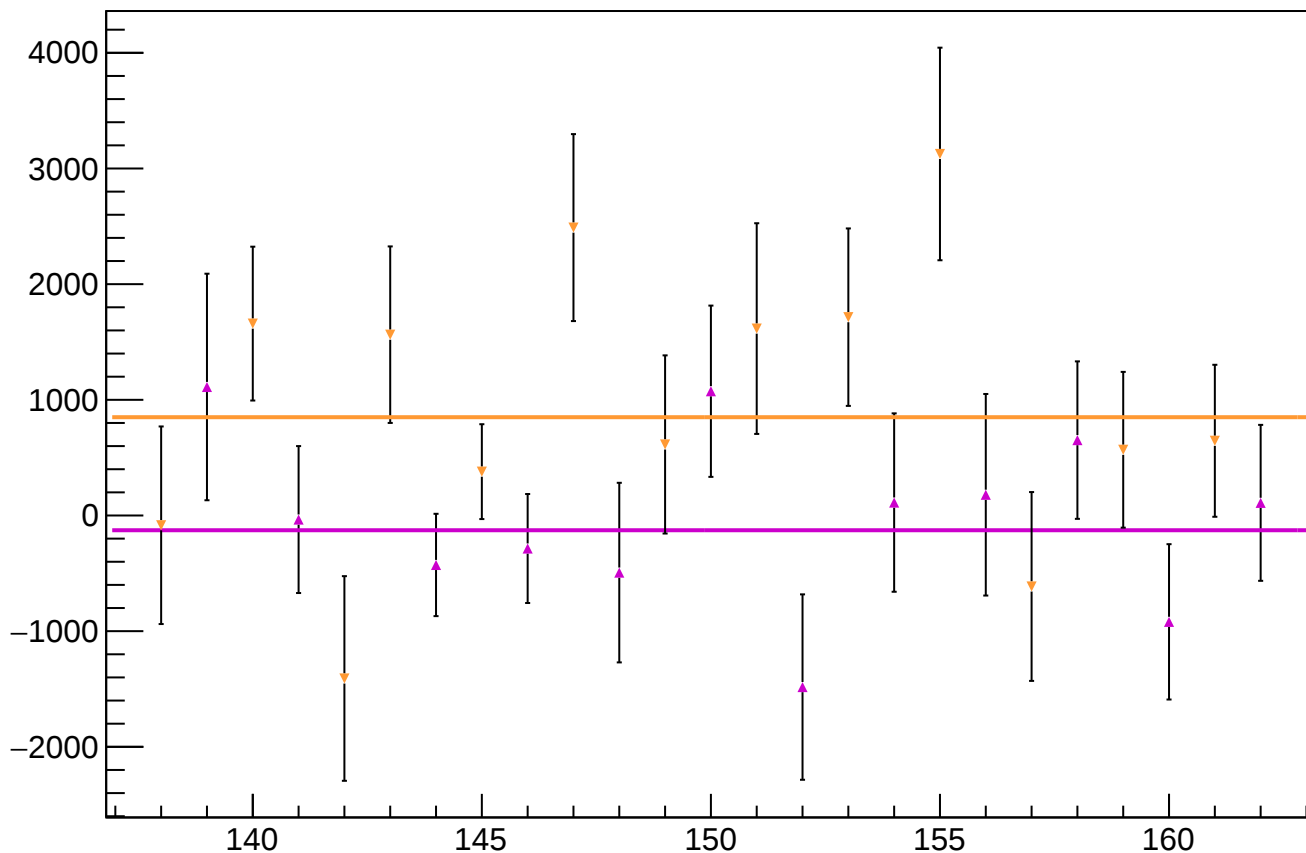
Left In: 568.927+/-0.133 χ^2/NDF :1042241.4/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 578.323+/-0.096 χ^2/NDF : 2194870.0/24

- 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: 849.746+/-196.478 χ^2/NDF : 27.2/12

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

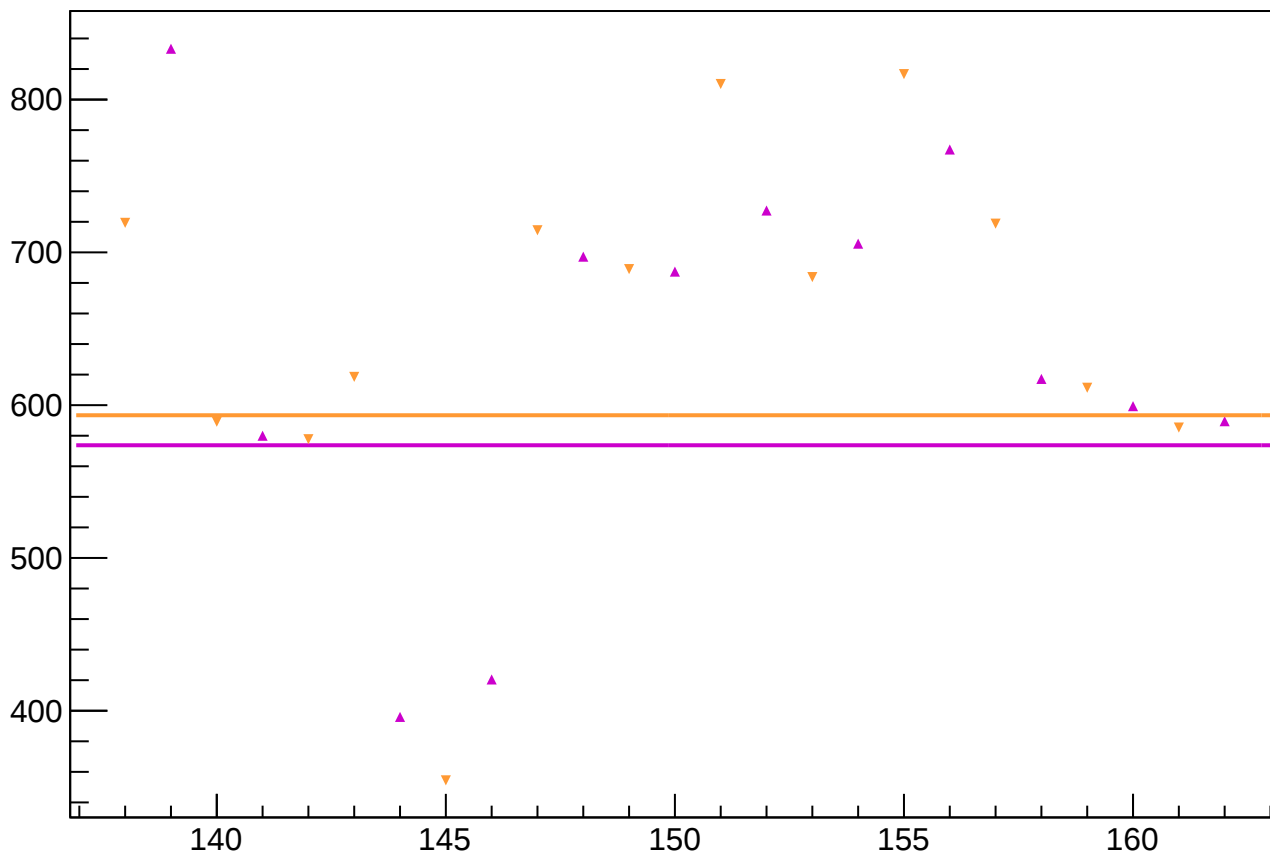
Left In: -127.486+/-189.819 χ^2/NDF : 11.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 344.288+/-136.516 χ^2/NDF : 50.9/24

- 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: 593.398+/-0.139 χ^2/NDF :1109430.7/12

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

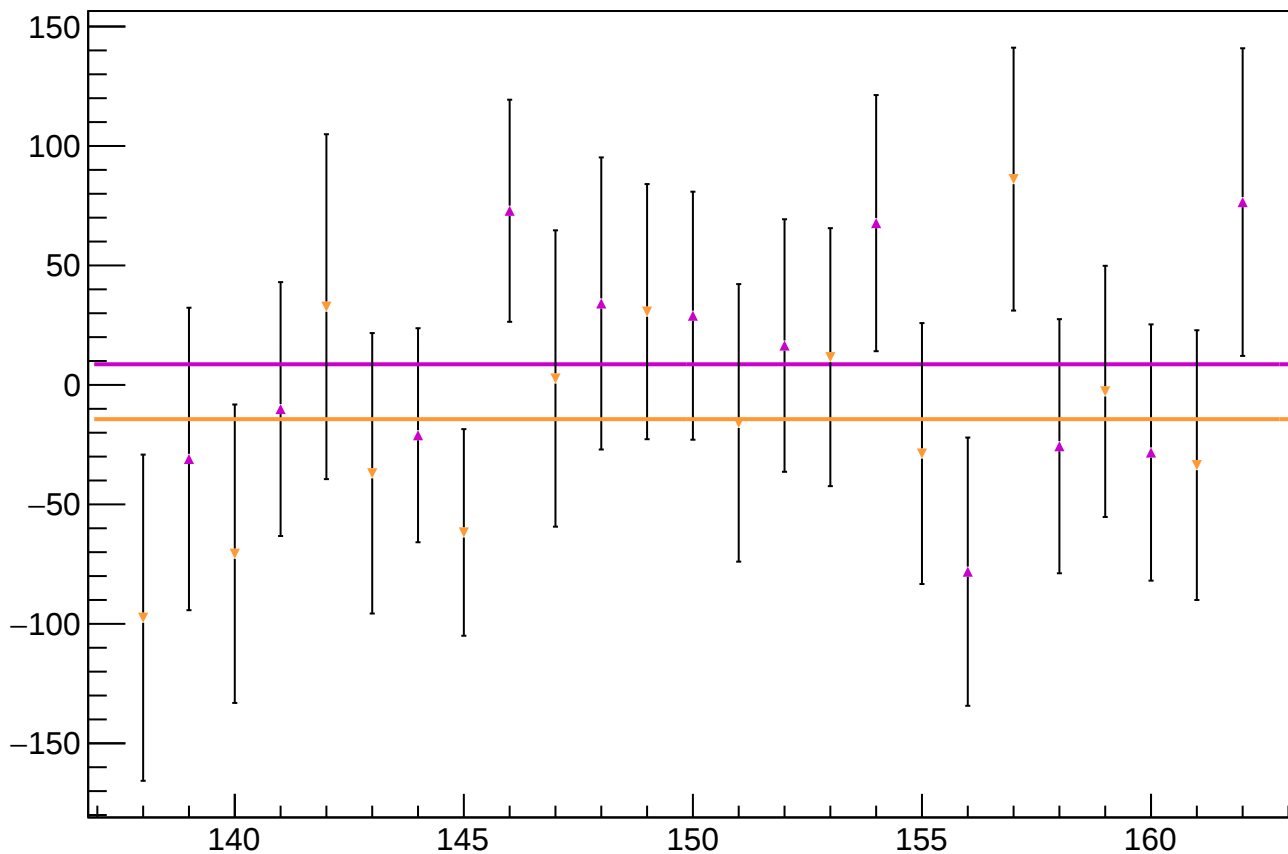
Left In: 573.757+/-0.134 χ^2/NDF :1016065.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 583.239+/-0.097 χ^2/NDF : 2135833.3/24

- 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: -14.325+/-15.655 χ^2/NDF : 8.7/12

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

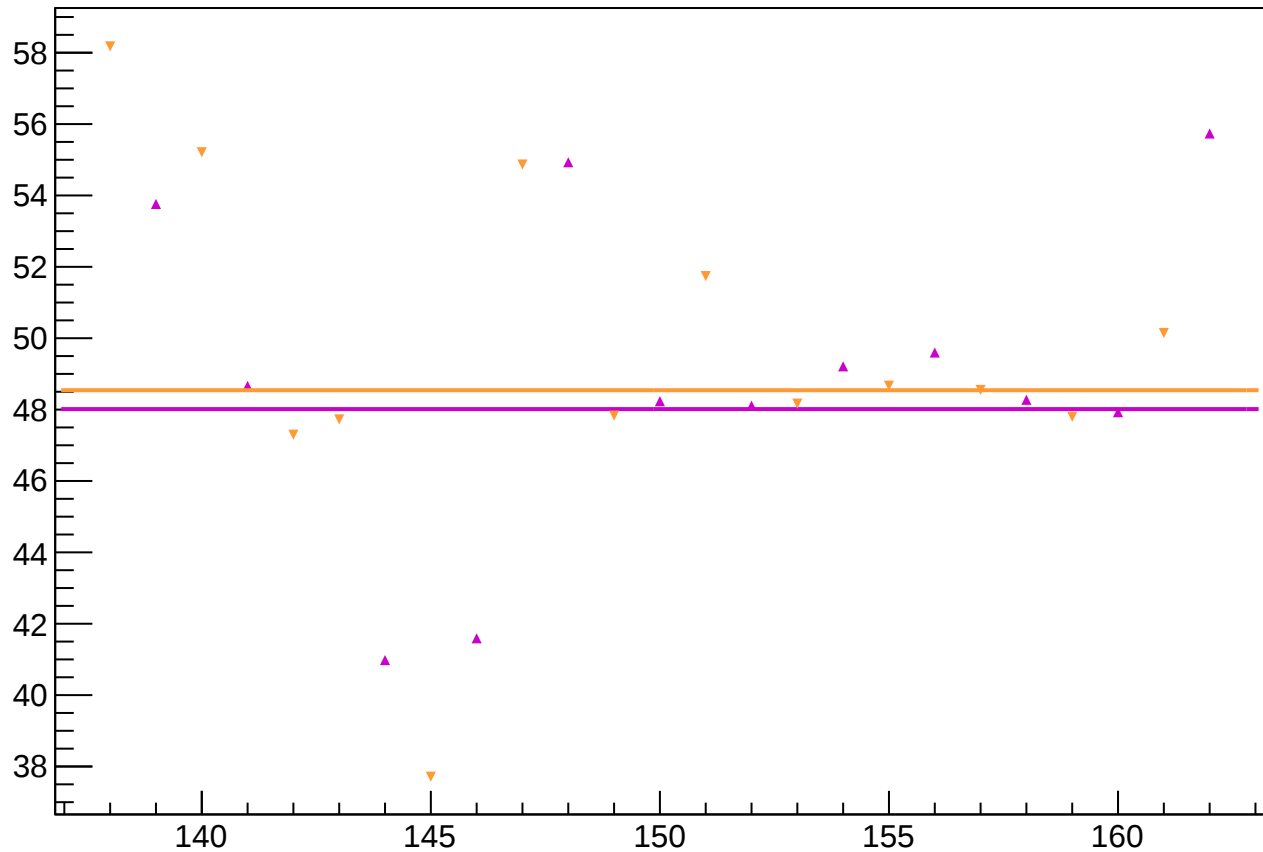
Left In: 8.639+/-15.485 χ^2/NDF : 8.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2.718+/-11.009 χ^2/NDF : 18.6/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 48.543+/-0.011 χ^2/NDF : 218411.4/12

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

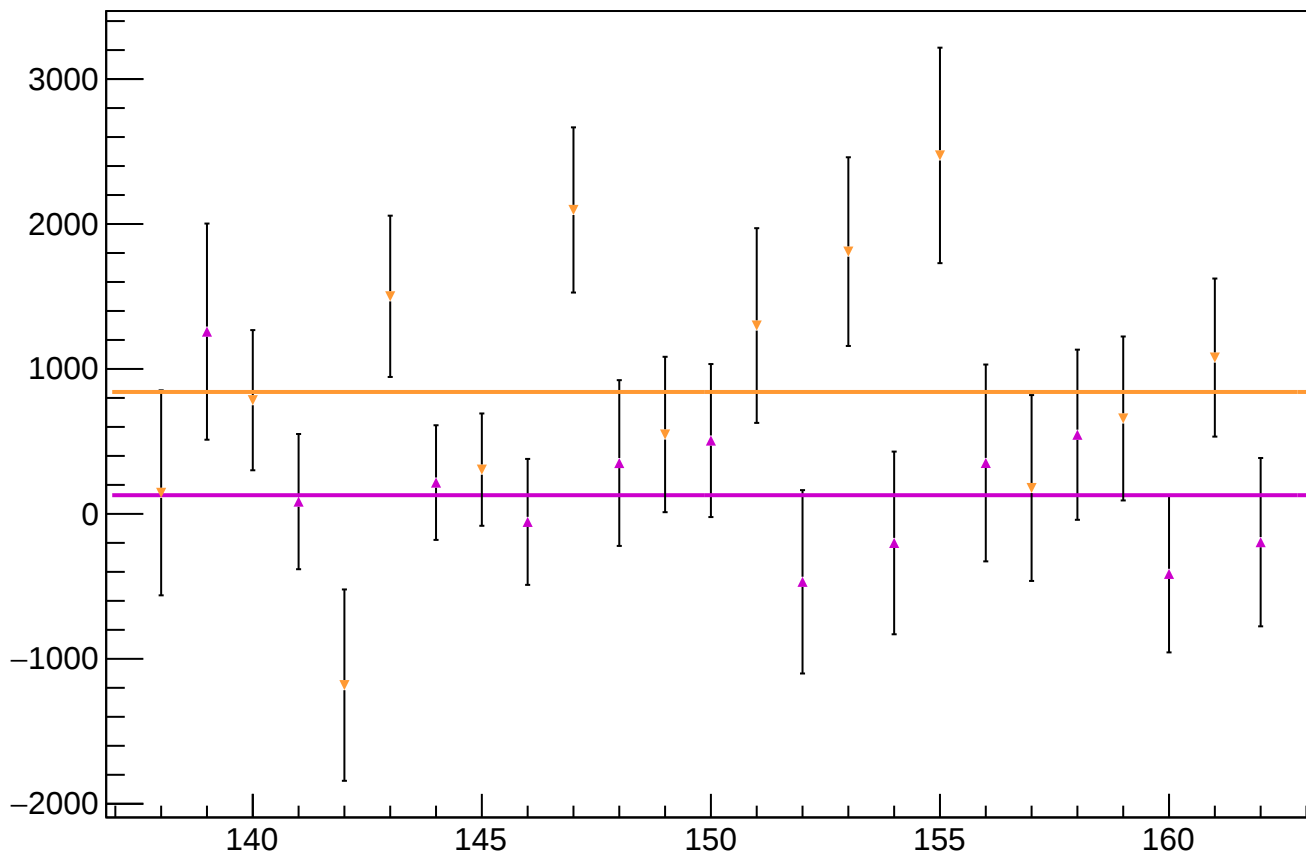
Left In: 48.014+/-0.011 χ^2/NDF : 161345.4/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 48.276+/-0.008 χ^2/NDF : 380910.3/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 841.205+/-157.465 χ^2/NDF : 27.7/12

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

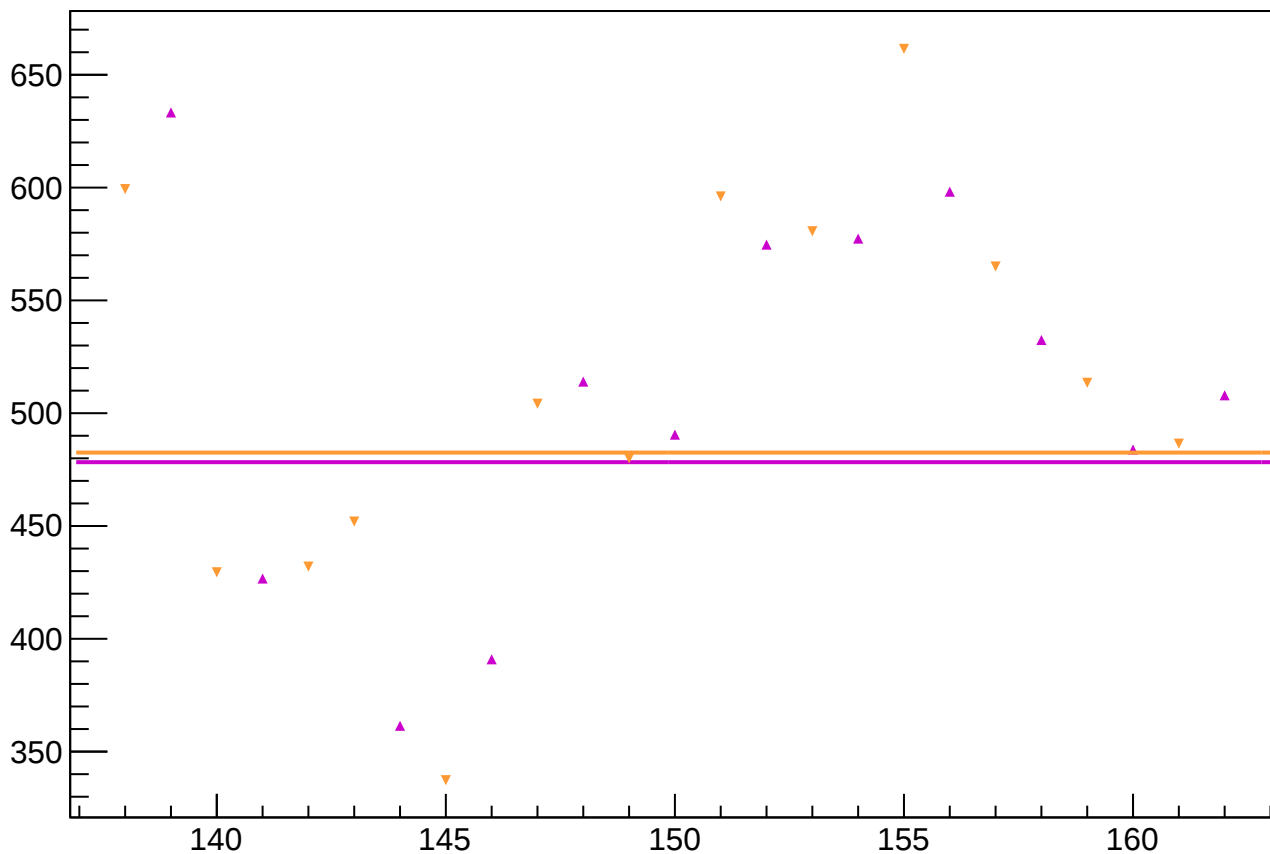
Left In: 128.965+/-155.809 χ^2/NDF : 6.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 481.320+/-110.754 χ^2/NDF : 44.3/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 482.548+/-0.111 χ^2/NDF : 637942.5/12

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

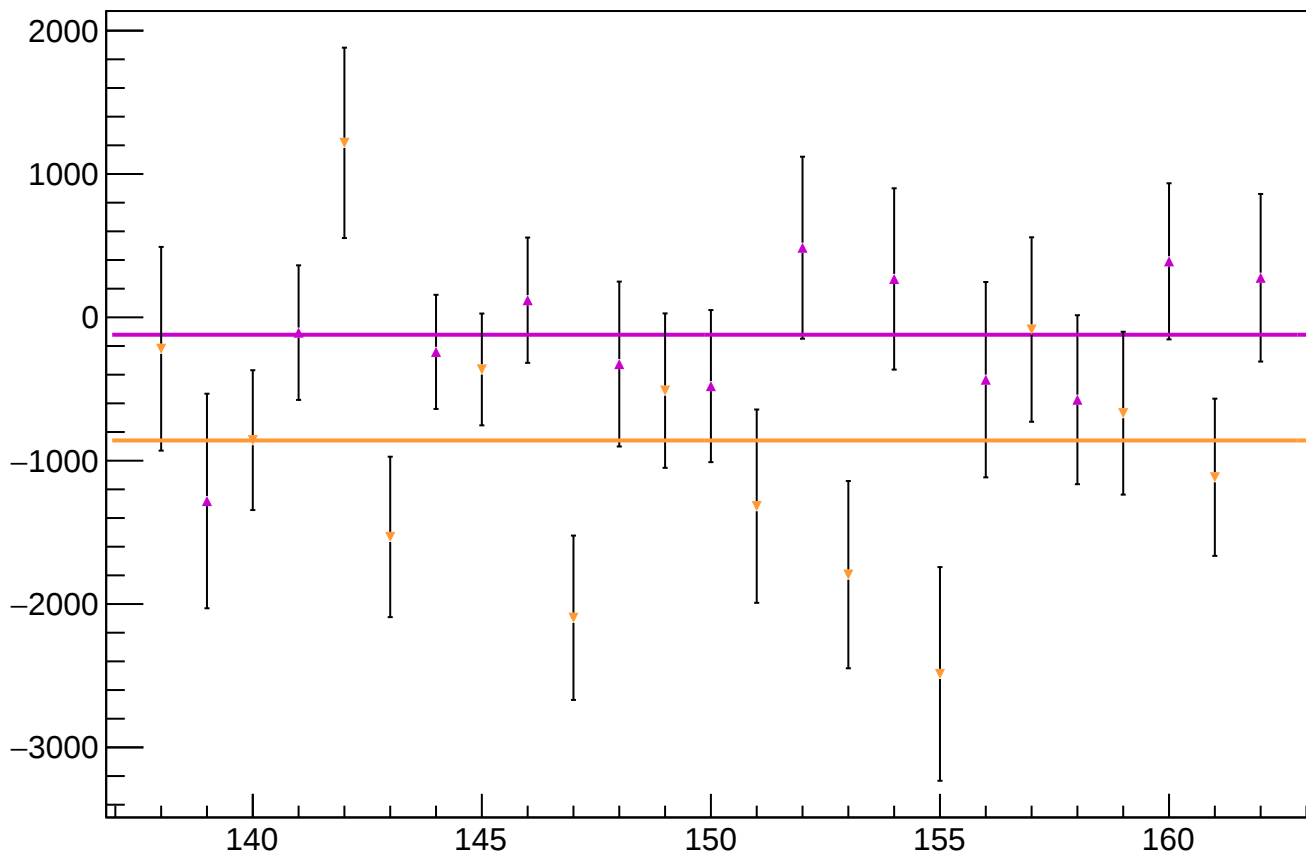
Left In: 478.290+/-0.110 χ^2/NDF : 555964.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 480.397+/-0.078 χ^2/NDF : 1194646.2/24

- 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: -858.915+/-158.323 χ^2/NDF : 27.8/12

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

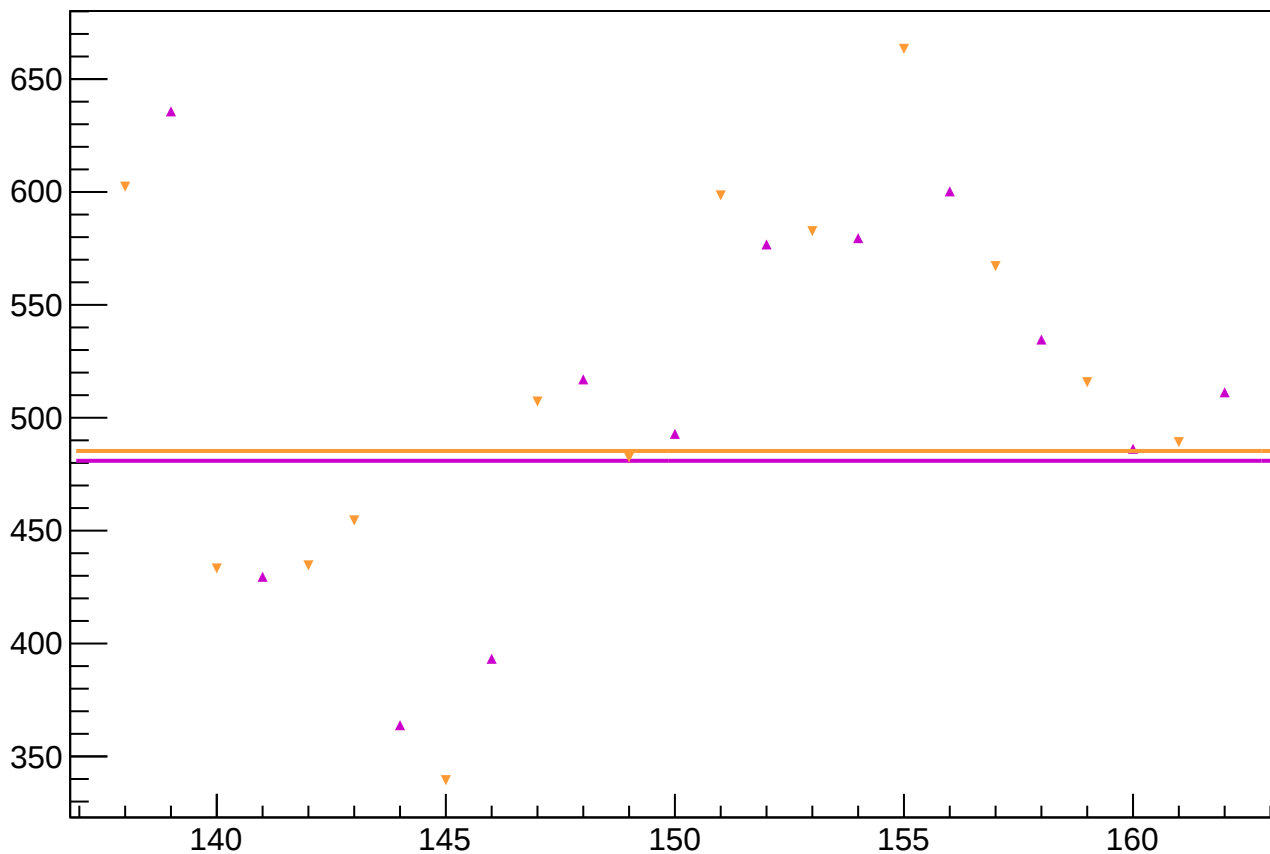
Left In: -121.301+/-156.640 χ^2/NDF : 6.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -486.168+/-111.352 χ^2/NDF : 45.6/24

- 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: 485.290+/-0.112 χ^2/NDF : 630588.0/12

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

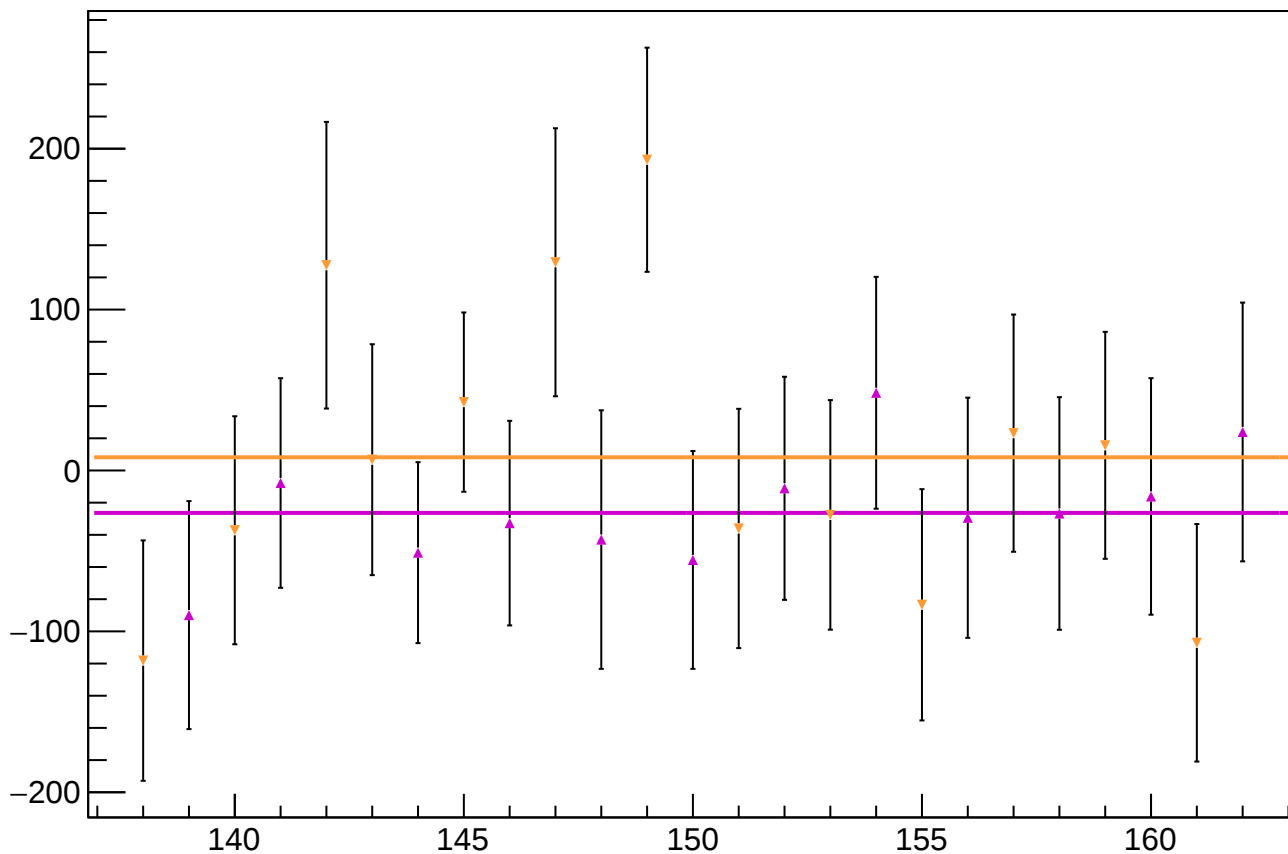
Left In: 480.934+/-0.111 χ^2/NDF : 549684.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 483.089+/-0.079 χ^2/NDF : 1181037.3/24

- 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: 8.204 $\pm$ 19.959 χ^2 /NDF:19.3/12

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

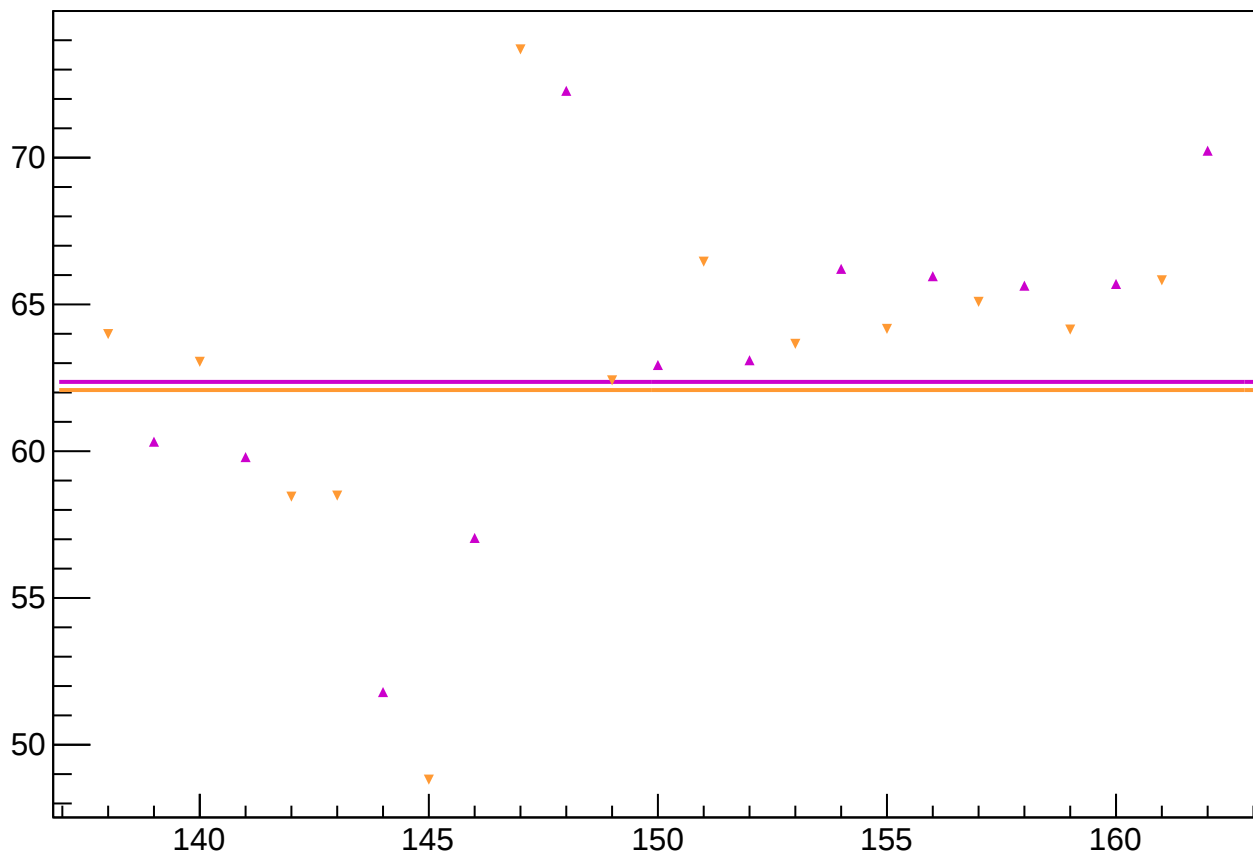
Left In: -26.361 $\pm$ 20.069 χ^2 /NDF:2.9/11

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

All: -8.984 $\pm$ 14.152 χ^2 /NDF: 23.7/24

- 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: 62.083+/-0.014 χ^2/NDF :182051.9/12

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

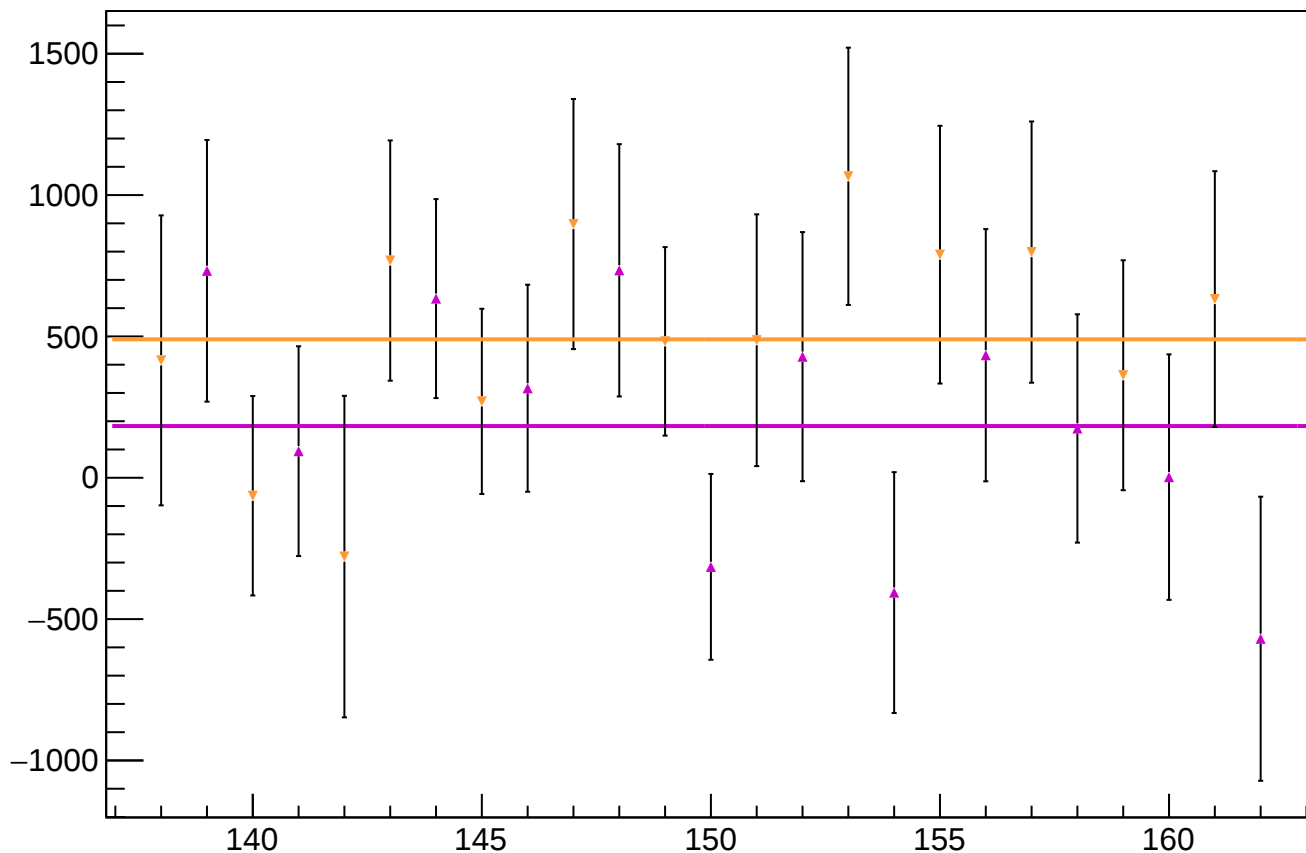
Left In: 62.361+/-0.014 χ^2/NDF :157951.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.221+/-0.010 χ^2/NDF : 340196.4/24

- 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: 489.657+/-116.094 χ^2/NDF : 8.7/12

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

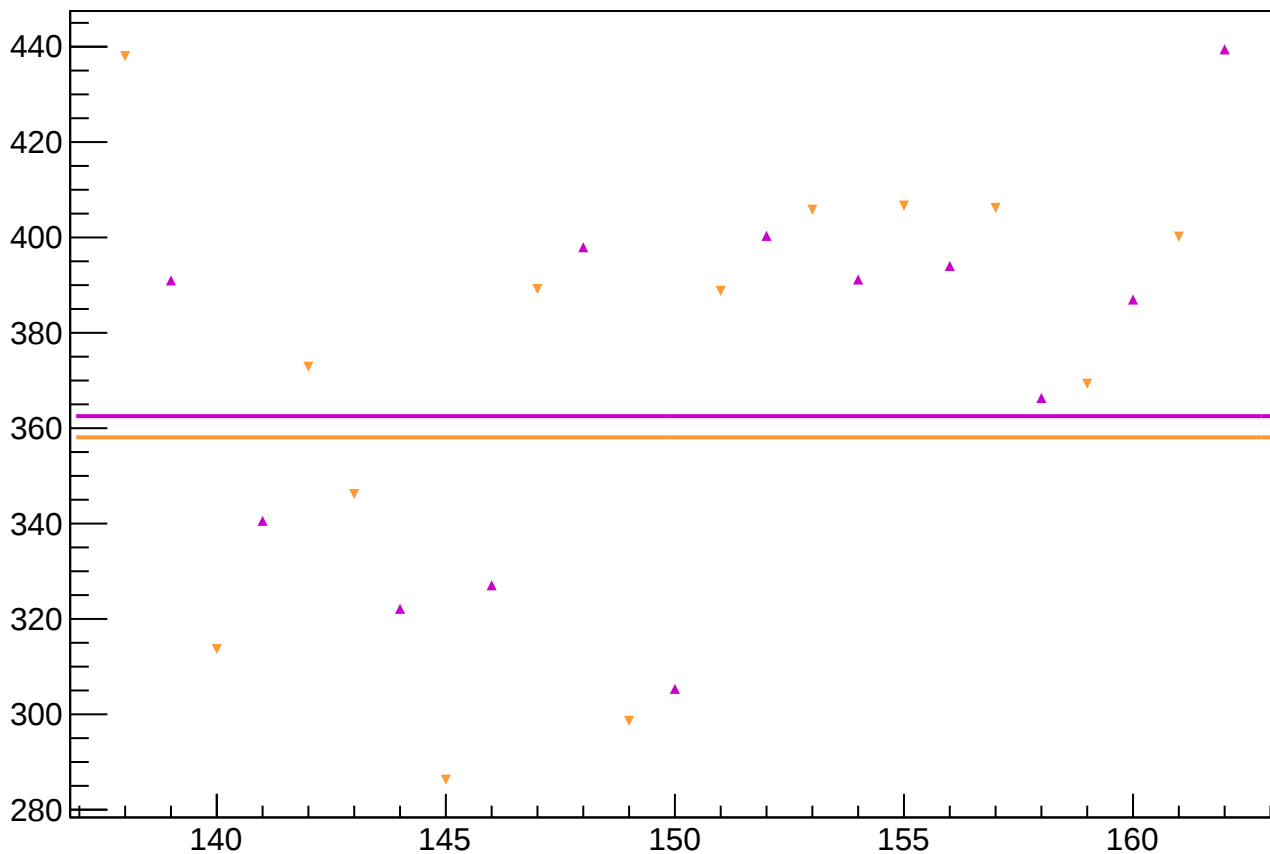
Left In: 182.942+/-117.187 χ^2/NDF : 12.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 337.736+/-82.474 χ^2/NDF : 24.2/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 358.088+/-0.082 χ^2/NDF : 347521.6/12

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

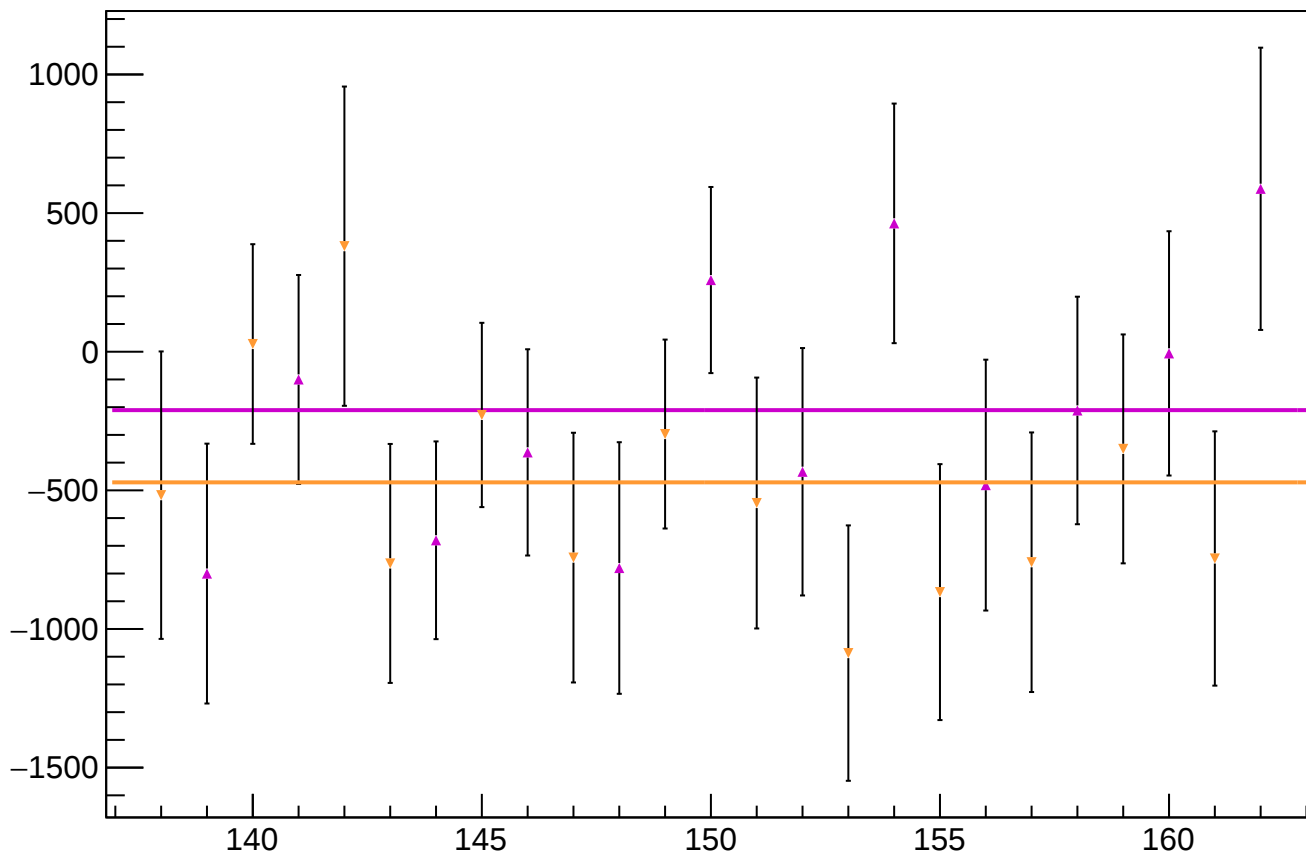
Left In: 362.528+/-0.083 χ^2/NDF : 219942.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 360.287+/-0.058 χ^2/NDF : 568913.4/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -471.167+/-117.921 χ^2/NDF : 9.1/12

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

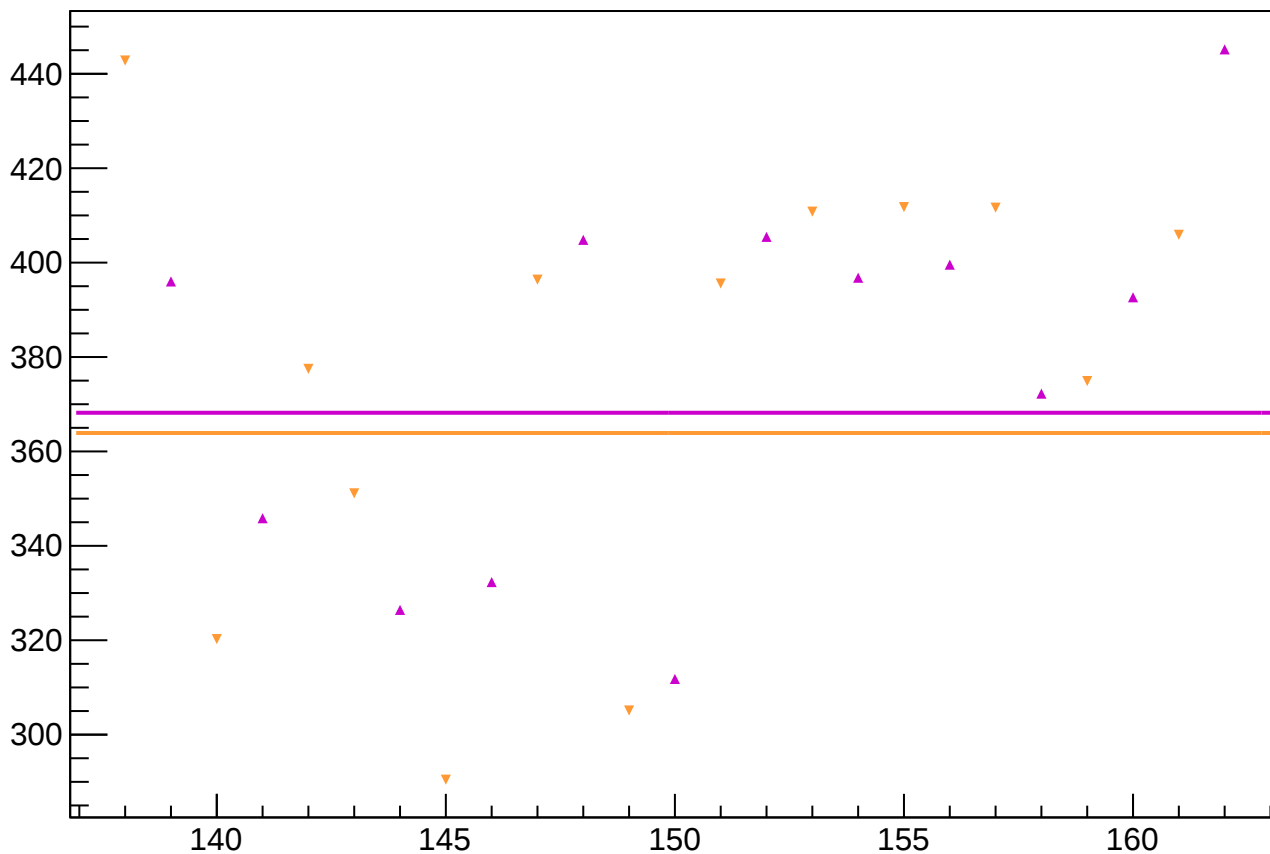
Left In: -210.669+/-118.980 χ^2/NDF : 12.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -342.083+/-83.755 χ^2/NDF : 24.3/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 363.907+/-0.083 χ^2/NDF : 337287.7/12

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

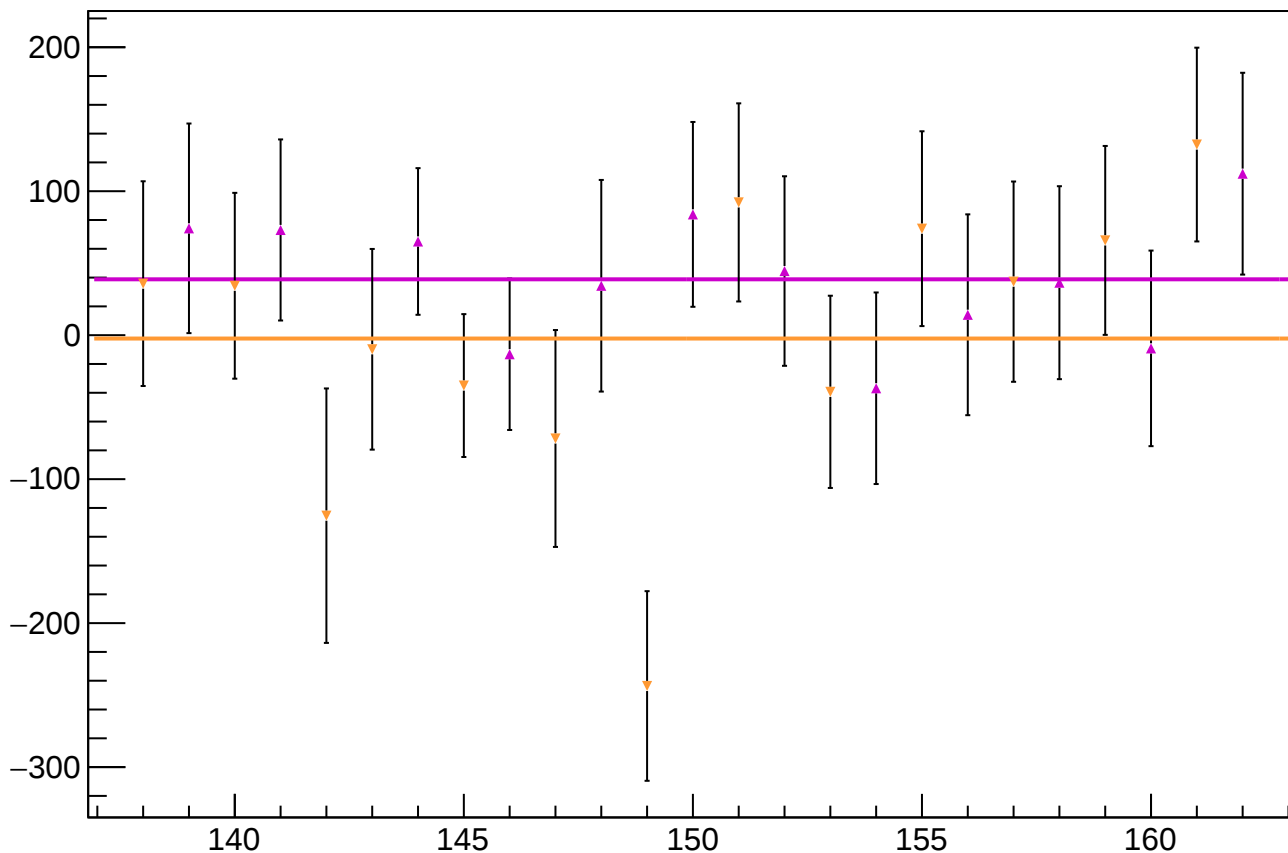
Left In: 368.193+/-0.084 χ^2/NDF : 214050.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 366.031+/-0.059 χ^2/NDF : 552647.9/24

- 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: -2.332 $\pm$ 18.573 χ^2 /NDF:26.1/12

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

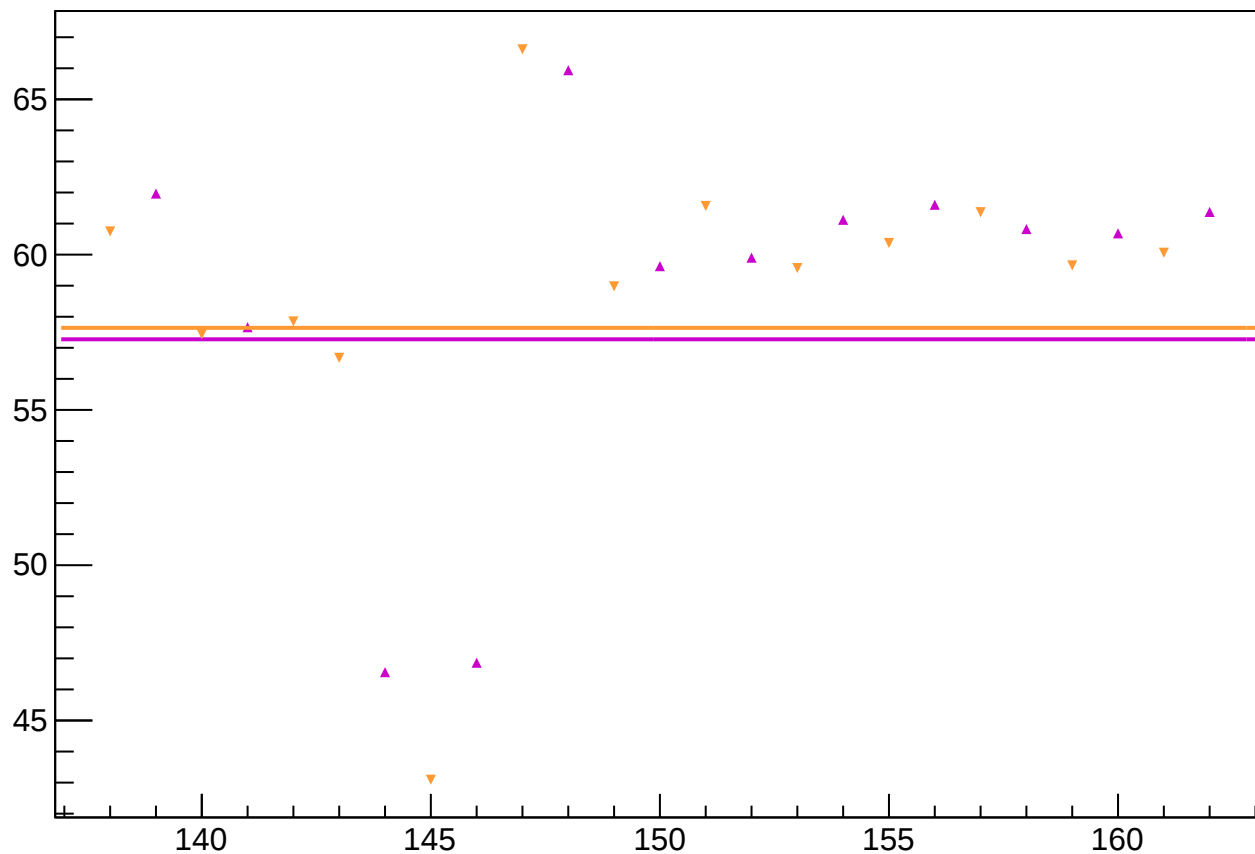
Left In: 38.803 $\pm$ 18.501 χ^2 /NDF:5.3/11

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

All: 18.316 $\pm$ 13.108 χ^2 /NDF: 33.9/24

- 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: 57.643+/-0.013 χ^2/NDF : 226984.4/12

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

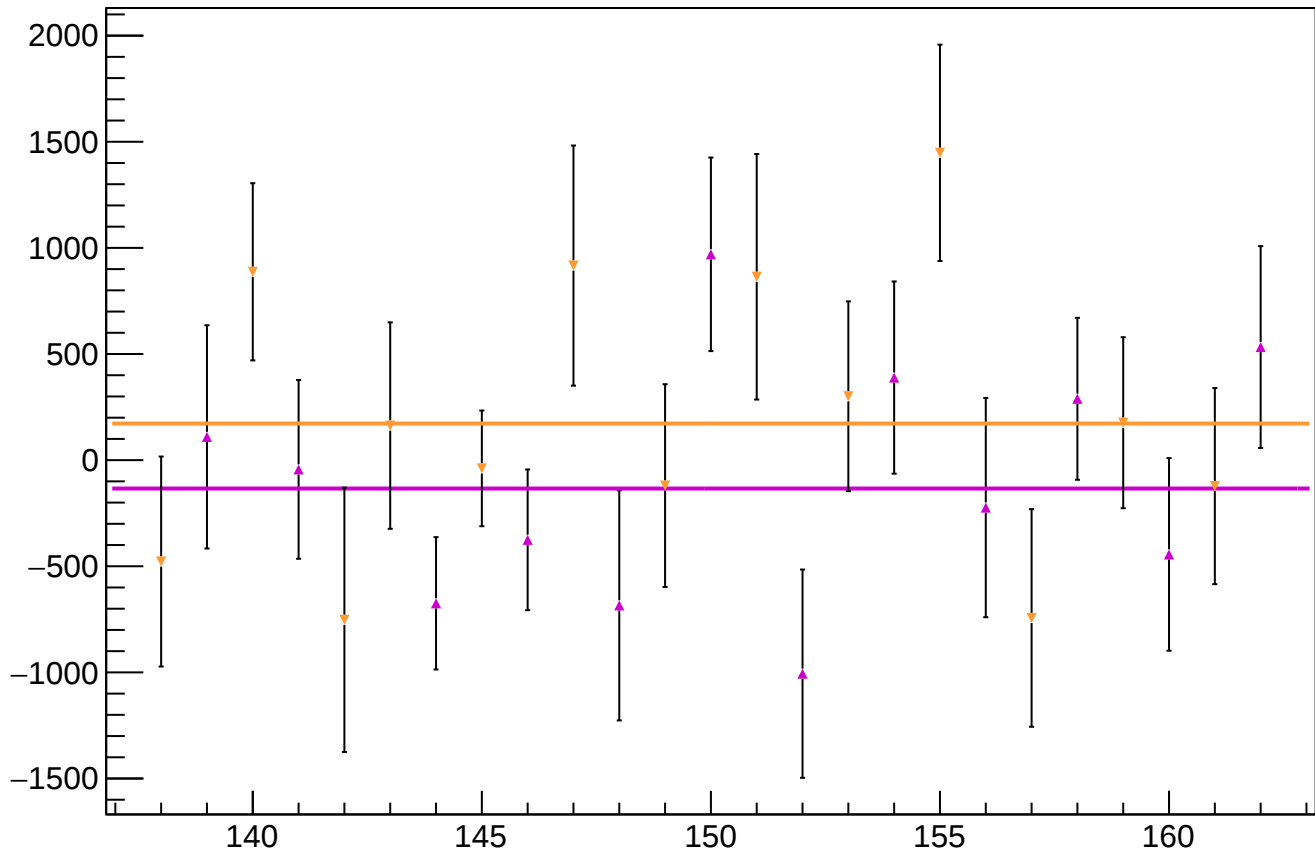
Left In: 57.274+/-0.013 χ^2/NDF : 240884.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 57.458+/-0.009 χ^2/NDF : 468266.0/24

- 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: 172.454 $\pm$ 124.906 χ^2 /NDF:20.9/12

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

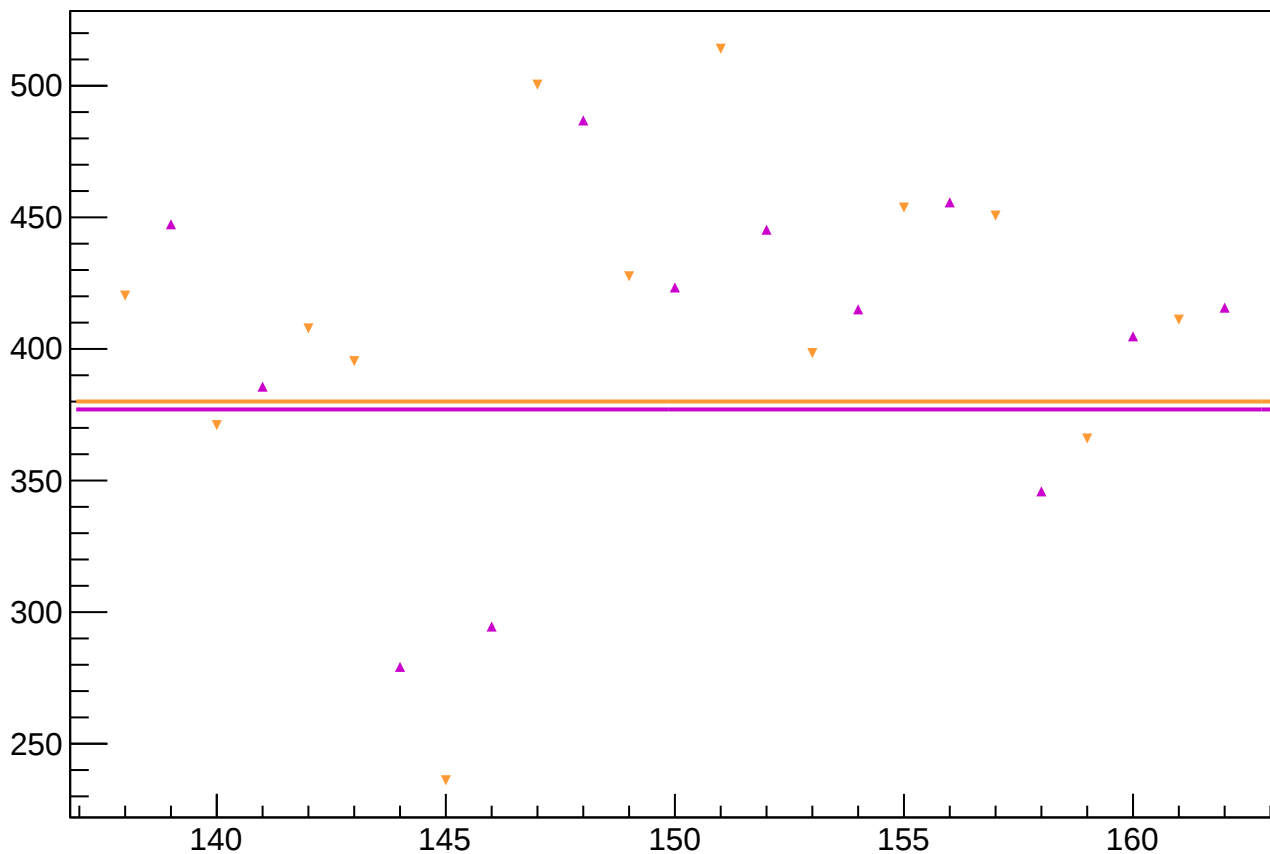
Left In: -133.782 $\pm$ 123.293 χ^2 /NDF:18.9/11

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

All: 17.346 $\pm$ 87.746 χ^2 /NDF: 42.9/24

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

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 380.037+/-0.088 χ^2/NDF : 890479.1/12

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

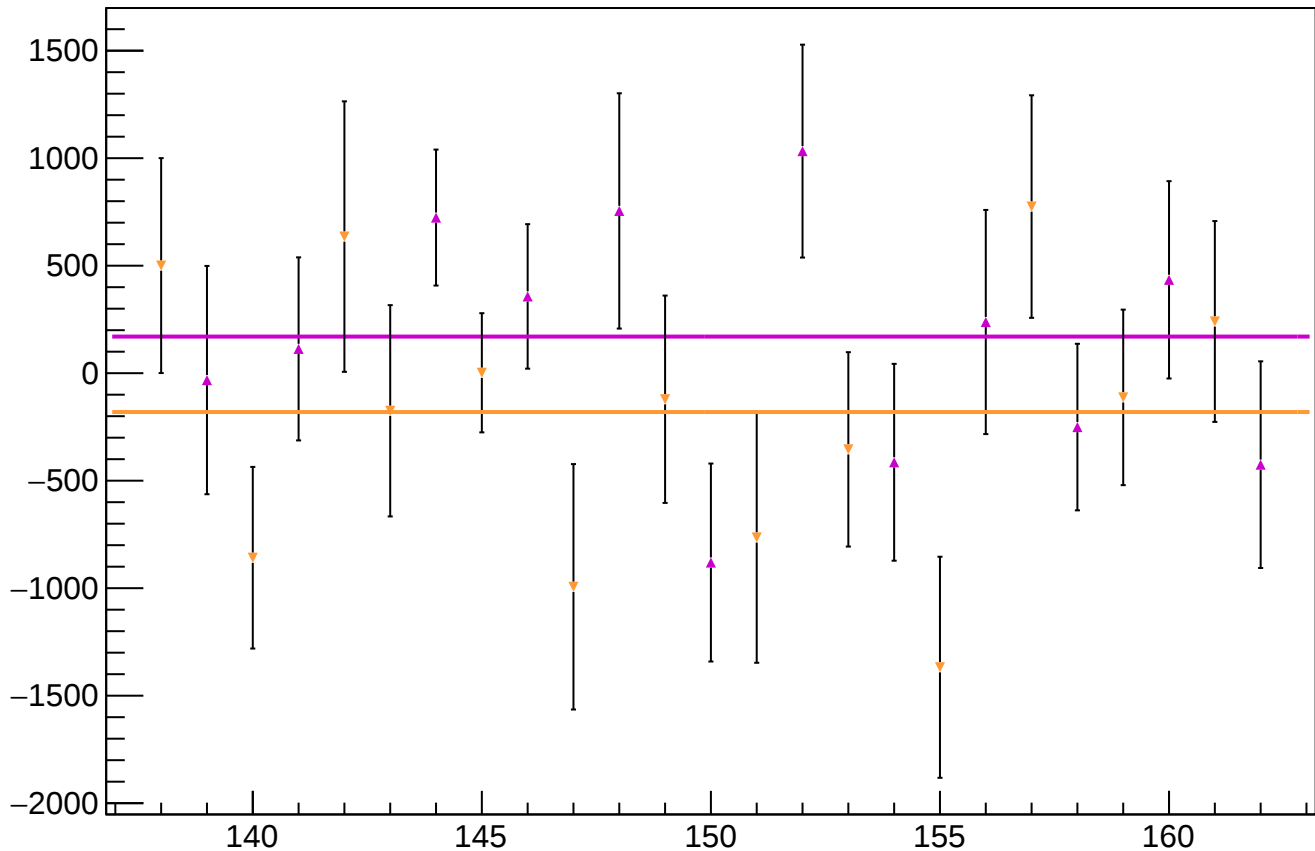
Left In: 377.014+/-0.087 χ^2/NDF : 593360.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 378.506+/-0.062 χ^2/NDF : 1484433.3/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -180.688+/-126.382 χ^2/NDF :19.3/12

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

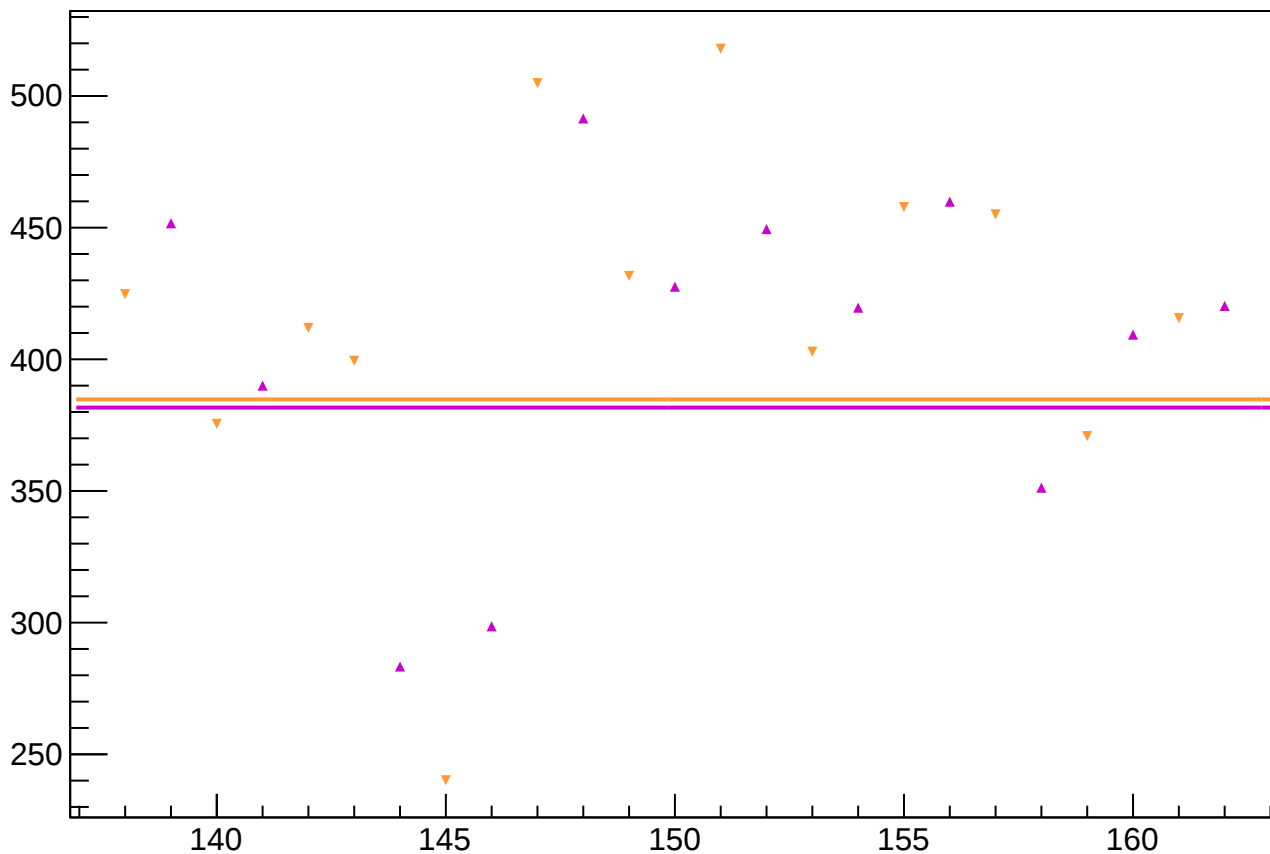
Left In: 170.249+/-124.756 χ^2/NDF :17.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -2.947+/-88.785 χ^2/NDF : 40.8/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 384.800+/-0.089 χ^2/NDF :867595.4/12

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

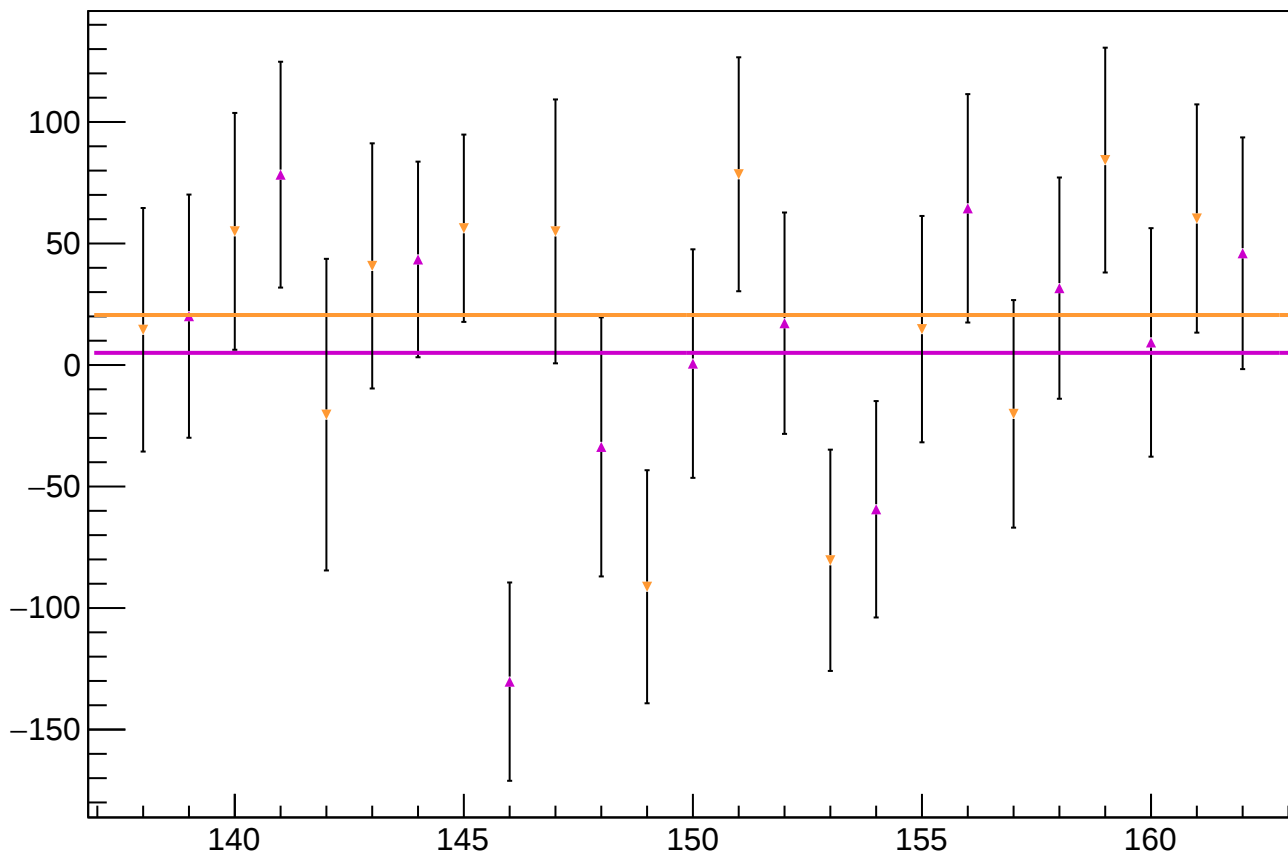
Left In: 381.662+/-0.088 χ^2/NDF :580415.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 383.210+/-0.063 χ^2/NDF : 1448634.7/24

- 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: 20.577 $\pm$ 13.298 χ^2 /NDF:17.5/12

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

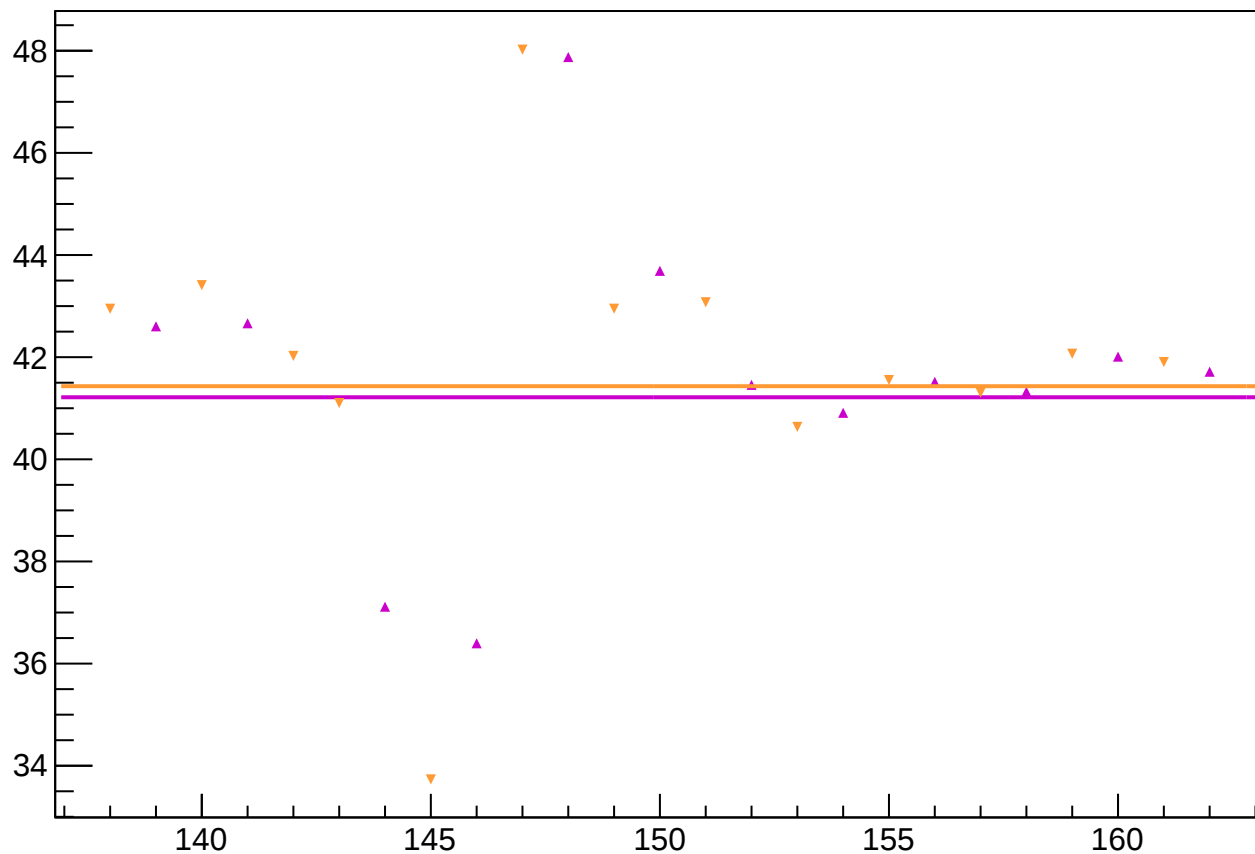
Left In: 5.007 $\pm$ 13.246 χ^2 /NDF:19.9/11

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

All: 12.762 $\pm$ 9.385 χ^2 /NDF: 38.1/24

- 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: 41.431+/-0.009 χ^2/NDF :120229.9/12

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

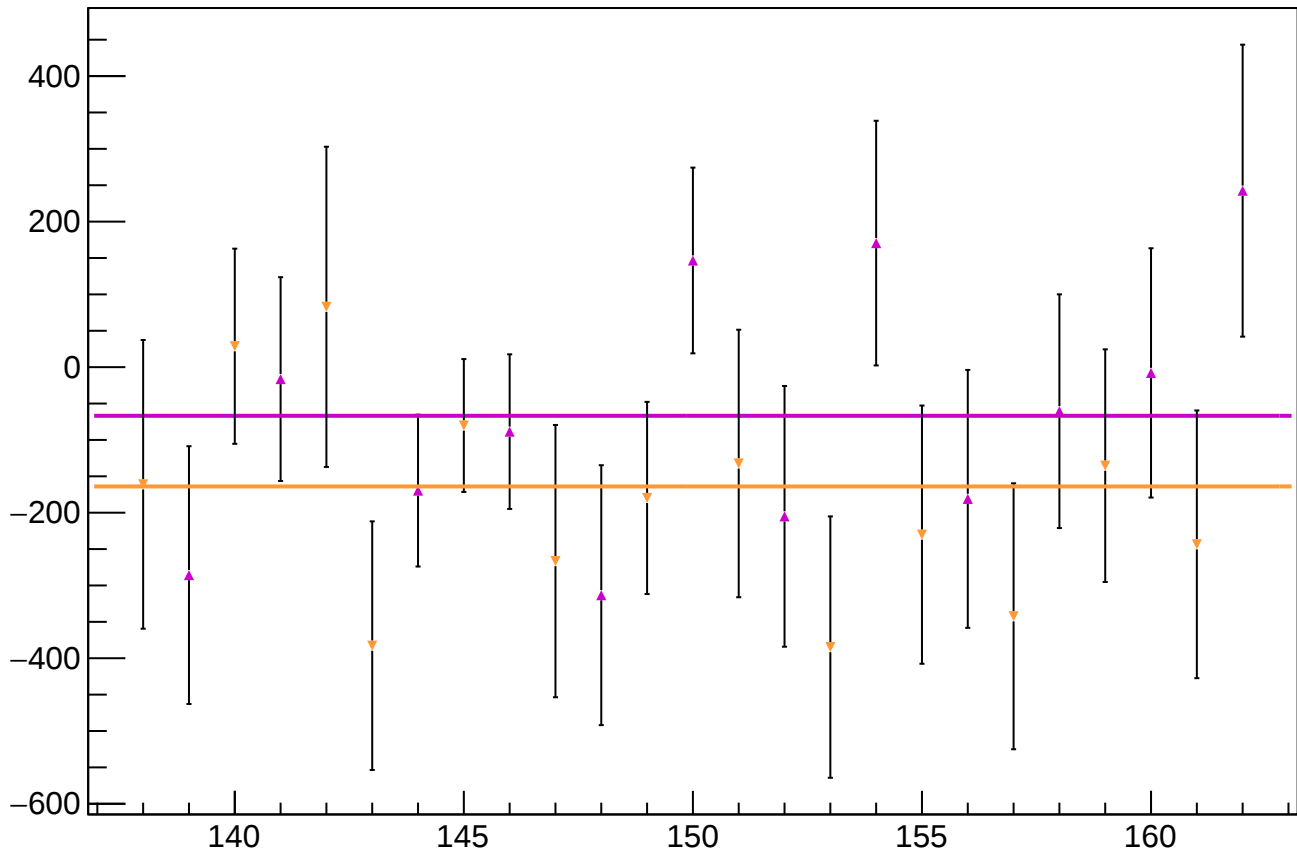
Left In: 41.215+/-0.009 χ^2/NDF :89936.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 41.323+/-0.007 χ^2/NDF : 210432.3/24

- 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: -163.910+/-43.322 χ^2/NDF : 9.0/12

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

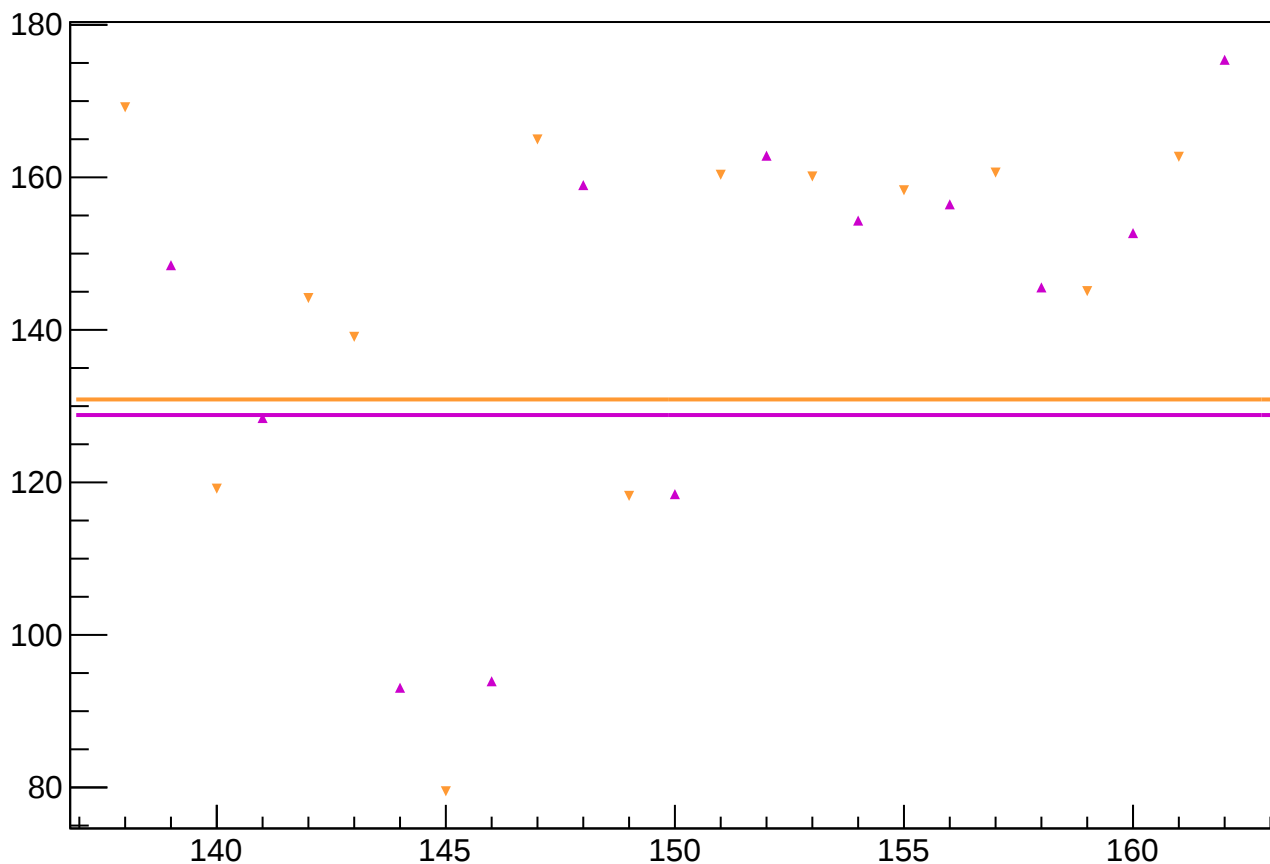
Left In: -66.833+/-42.557 χ^2/NDF : 12.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -114.507+/-30.359 χ^2/NDF : 24.4/24

- 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: 130.876+/-0.031 χ^2/NDF :1100782.8/12

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

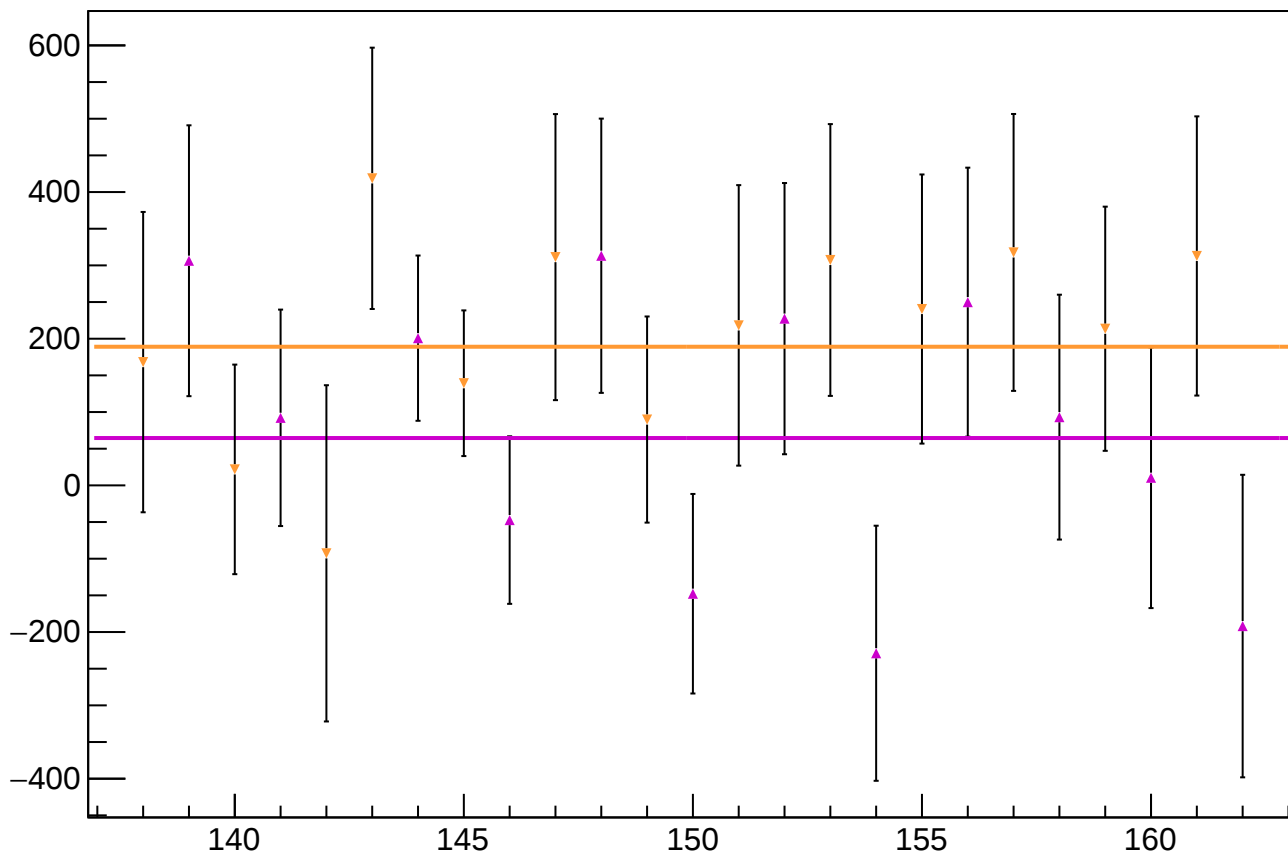
Left In: 128.833+/-0.030 χ^2/NDF :880685.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 129.836+/-0.021 χ^2/NDF : 1983733.1/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 189.057+/-45.669 χ^2/NDF : 7.1/12

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

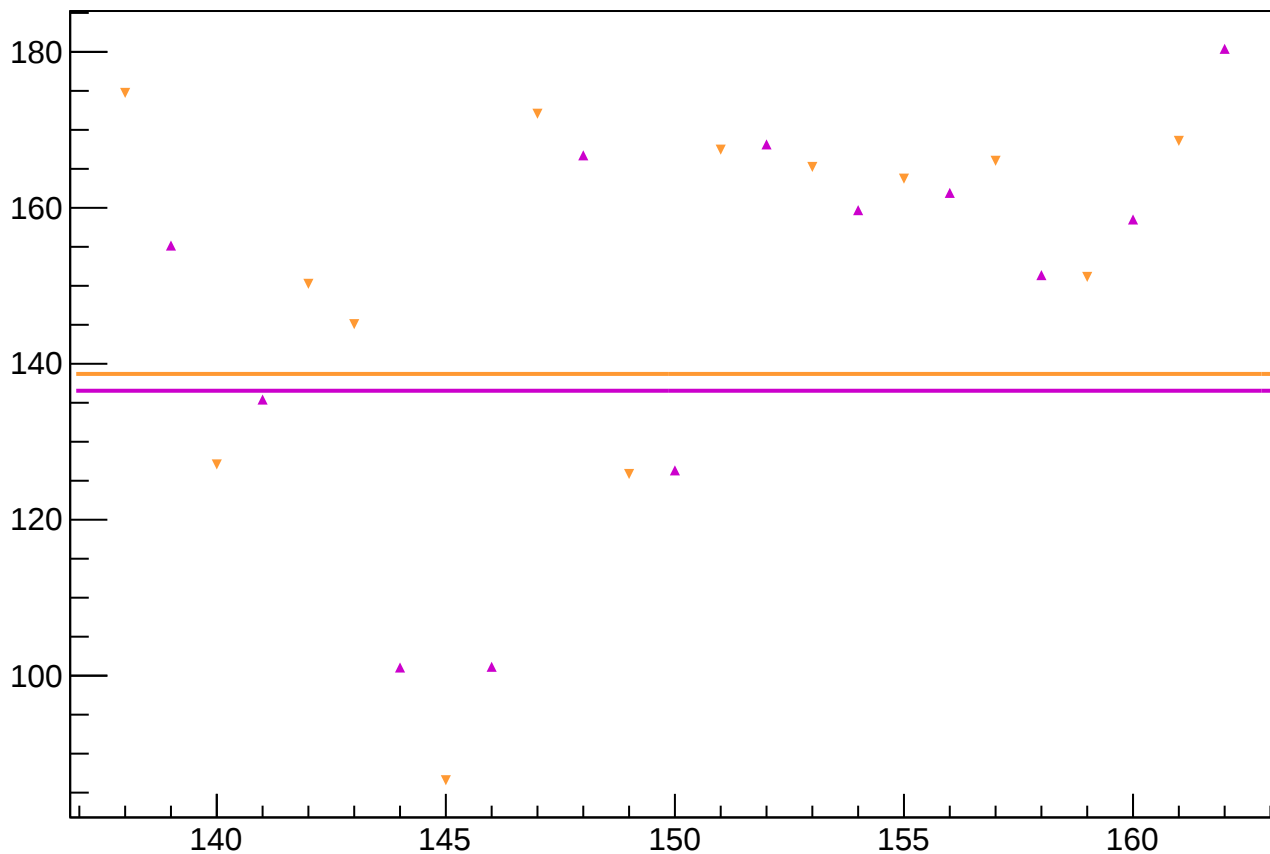
Left In: 64.563+/-44.890 χ^2/NDF : 14.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 125.739+/-32.014 χ^2/NDF : 25.6/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 138.699+/-0.032 χ^2/NDF : 934388.3/12

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

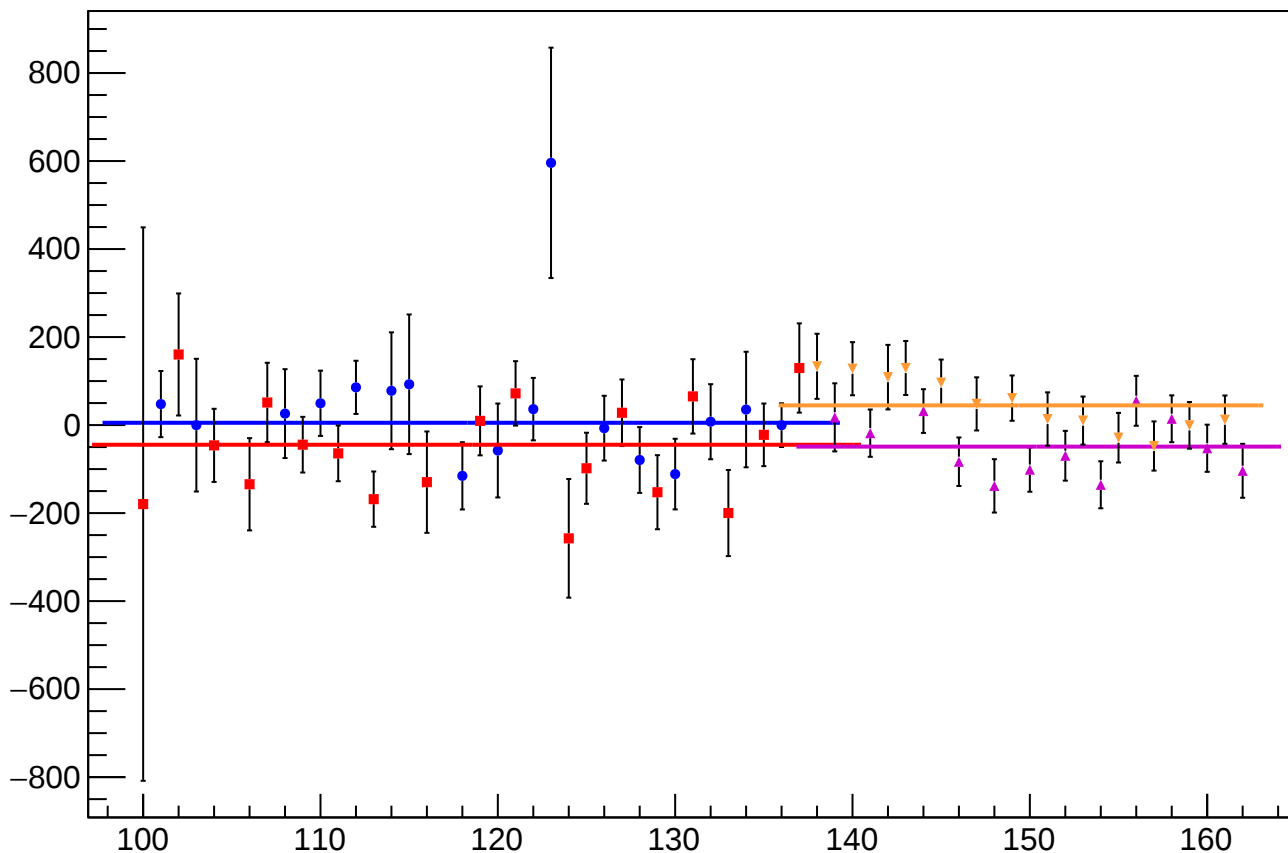
Left In: 136.542+/-0.032 χ^2/NDF : 743153.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 137.602+/-0.023 χ^2/NDF : 1679811.4/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 $\pm$ 20.150 χ^2 /NDF: 14.7/16

Left Out: 44.762 $\pm$ 16.107 χ^2 /NDF:13.3/12

Right Out: -44.715 $\pm$ 19.410 χ^2 /NDF: 24.4/18

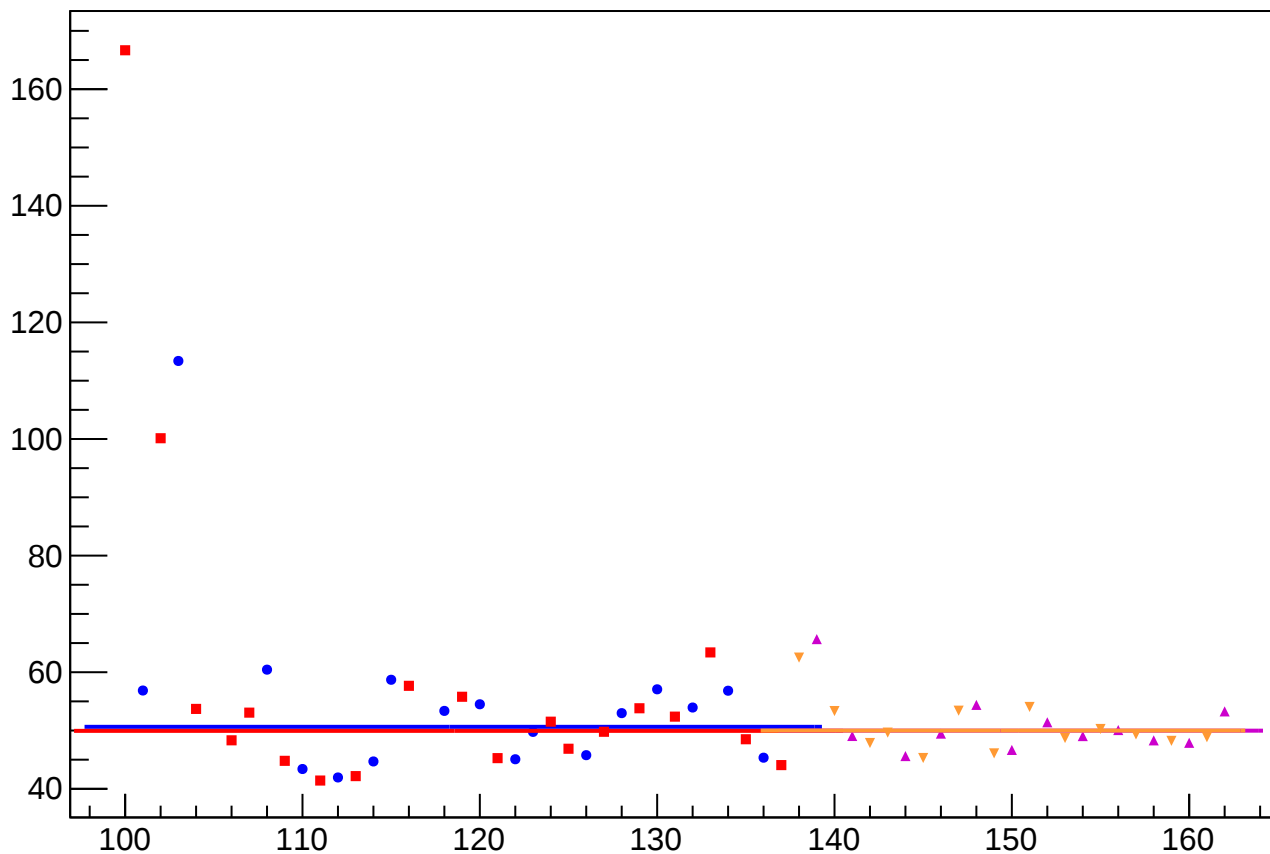
Left In: -48.939 $\pm$ 16.100 χ^2 /NDF:15.7/11

+ sign 29.347 $\pm$ 12.581 χ^2 /NDF: 30.3/29

All: -9.516 $\pm$ 8.829 χ^2 /NDF: 89.2/60

- sign -47.217 $\pm$ 12.392 χ^2 /NDF: 40.1/30

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.994 $\pm$ 0.011 χ^2 /NDF: 112650.5/12

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

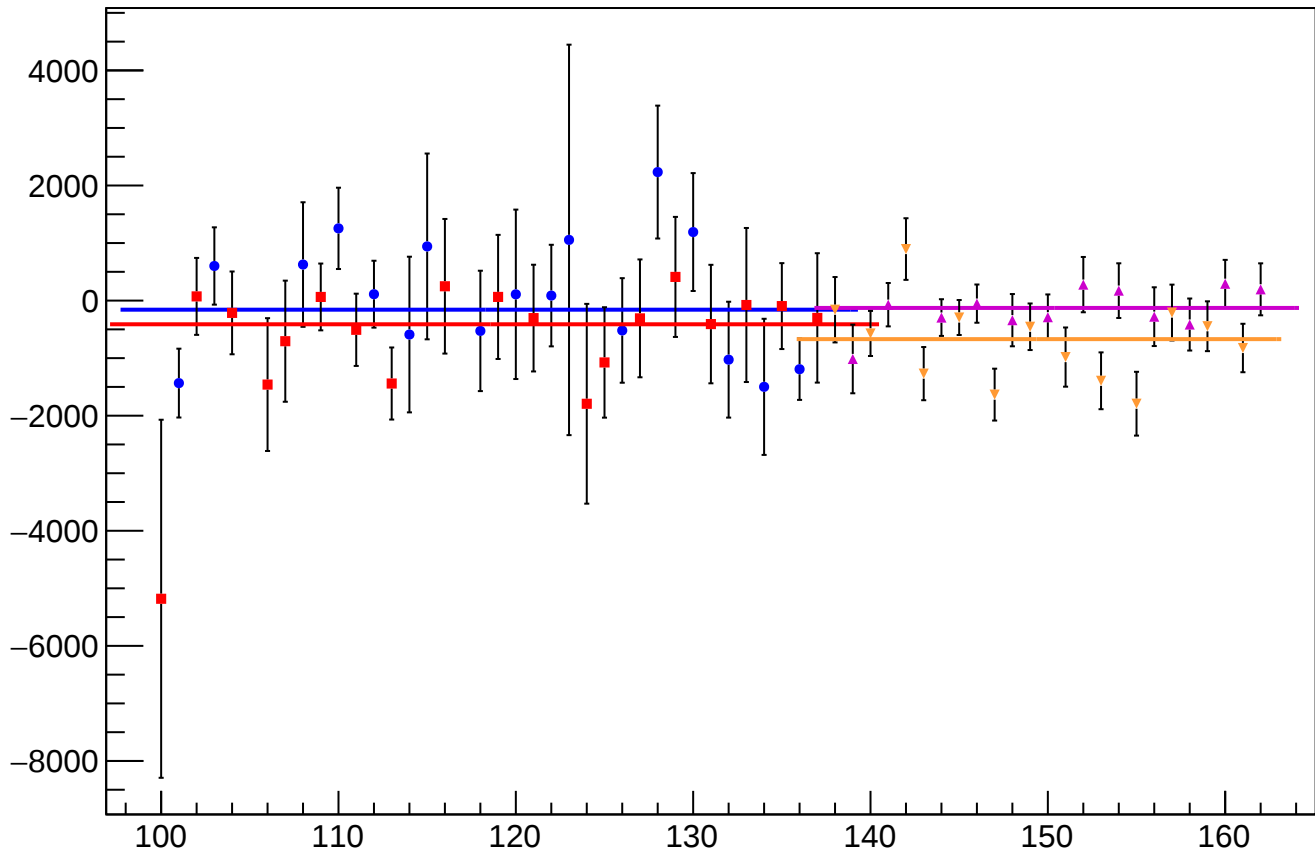
Left In: 49.976 $\pm$ 0.011 χ^2 /NDF: 130601.1/11

+ sign 50.244 $\pm$ 0.009 χ^2 /NDF: 633573.1/29

All: 50.101 $\pm$ 0.006 χ^2 /NDF: 1265172.5/60

- sign 49.963 $\pm$ 0.009 χ^2 /NDF: 631093.4/30

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 ± 210.181 χ^2/NDF : 23.5/16

Left Out: -669.698 ± 123.086 χ^2/NDF : 25.4/12

Right Out: -411.611 ± 203.633 χ^2/NDF : 9.8/18

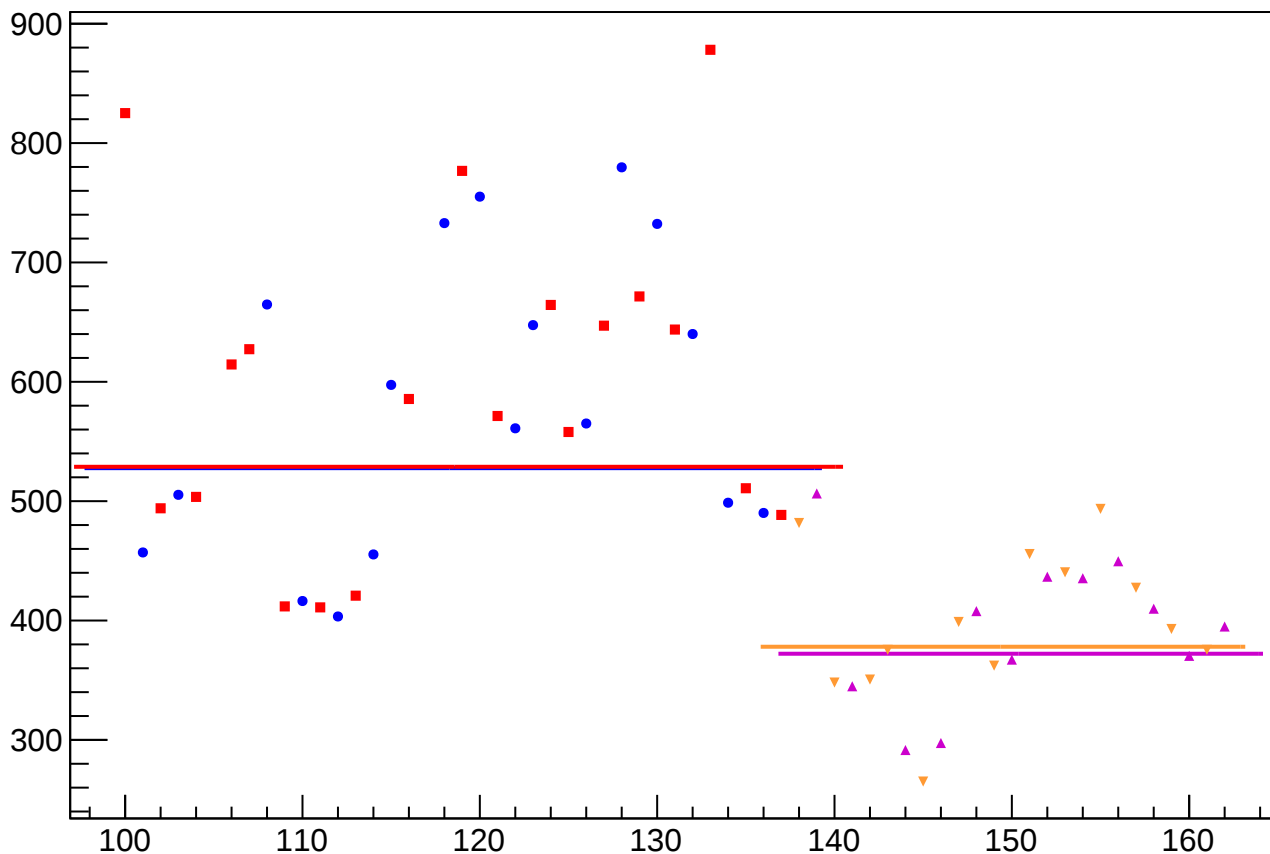
Left In: -127.613 ± 121.089 χ^2/NDF : 6.1/11

+ sign -539.025 ± 106.214 χ^2/NDF : 53.3/29

All: -366.989 ± 74.338 χ^2/NDF : 75.7/60

- sign -201.801 ± 104.078 χ^2/NDF : 17.3/30

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 $\pm$ 0.149 χ^2/NDF : 557423.6/16

Left Out: 378.045 $\pm$ 0.087 χ^2/NDF : 554677.9/12

Right Out: 528.806 $\pm$ 0.144 χ^2/NDF : 623364.6/18

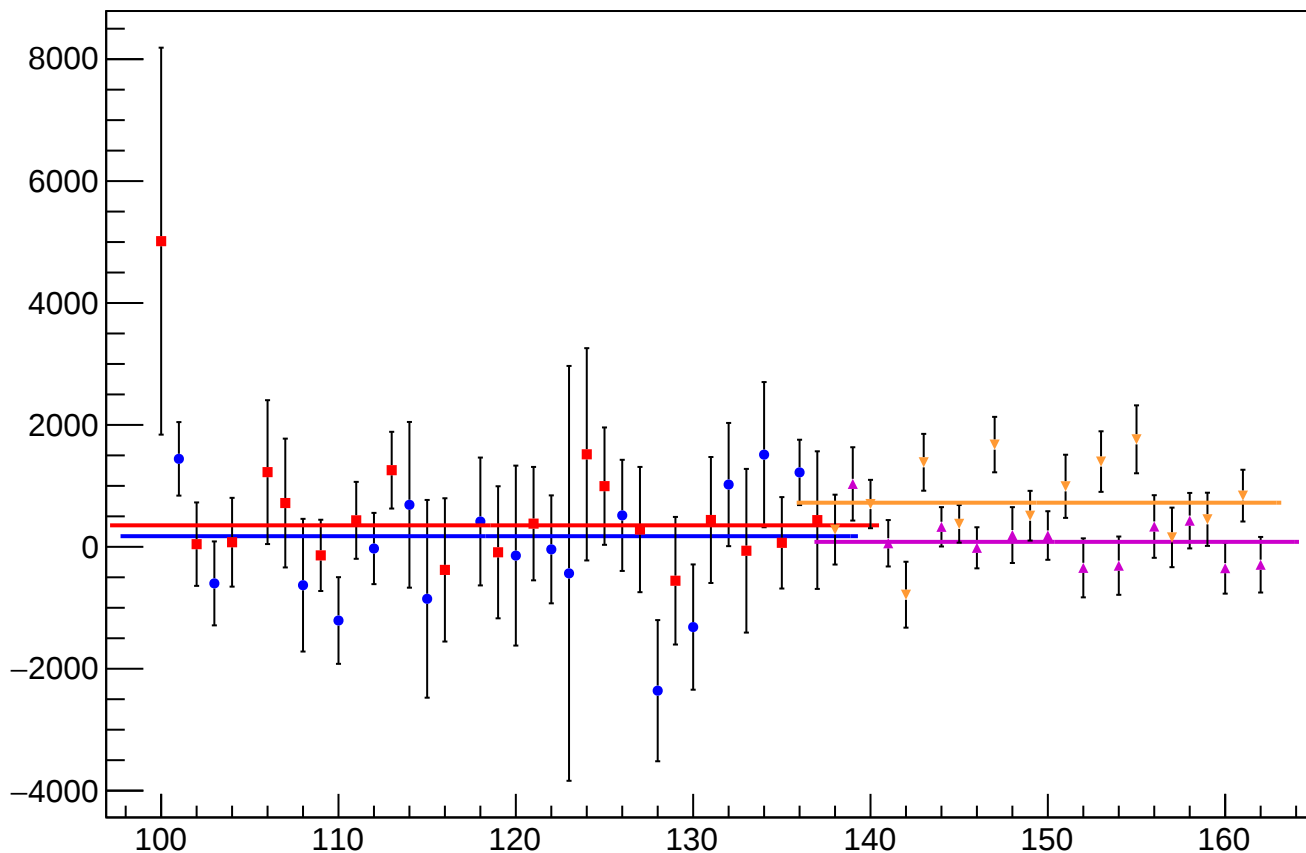
Left In: 372.181 $\pm$ 0.086 χ^2/NDF : 490496.3/11

+ sign 416.253 $\pm$ 0.075 χ^2/NDF : 1866759.1/29

All: 414.643 $\pm$ 0.053 χ^2/NDF : 3855631.0/60

- sign 413.096 $\pm$ 0.074 χ^2/NDF : 1987970.2/30

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 ± 211.662 χ^2/NDF : 23.7/16

Left Out: 723.869 ± 124.255 χ^2/NDF : 23.8/12

Right Out: 352.570 ± 205.204 χ^2/NDF : 8.4/18

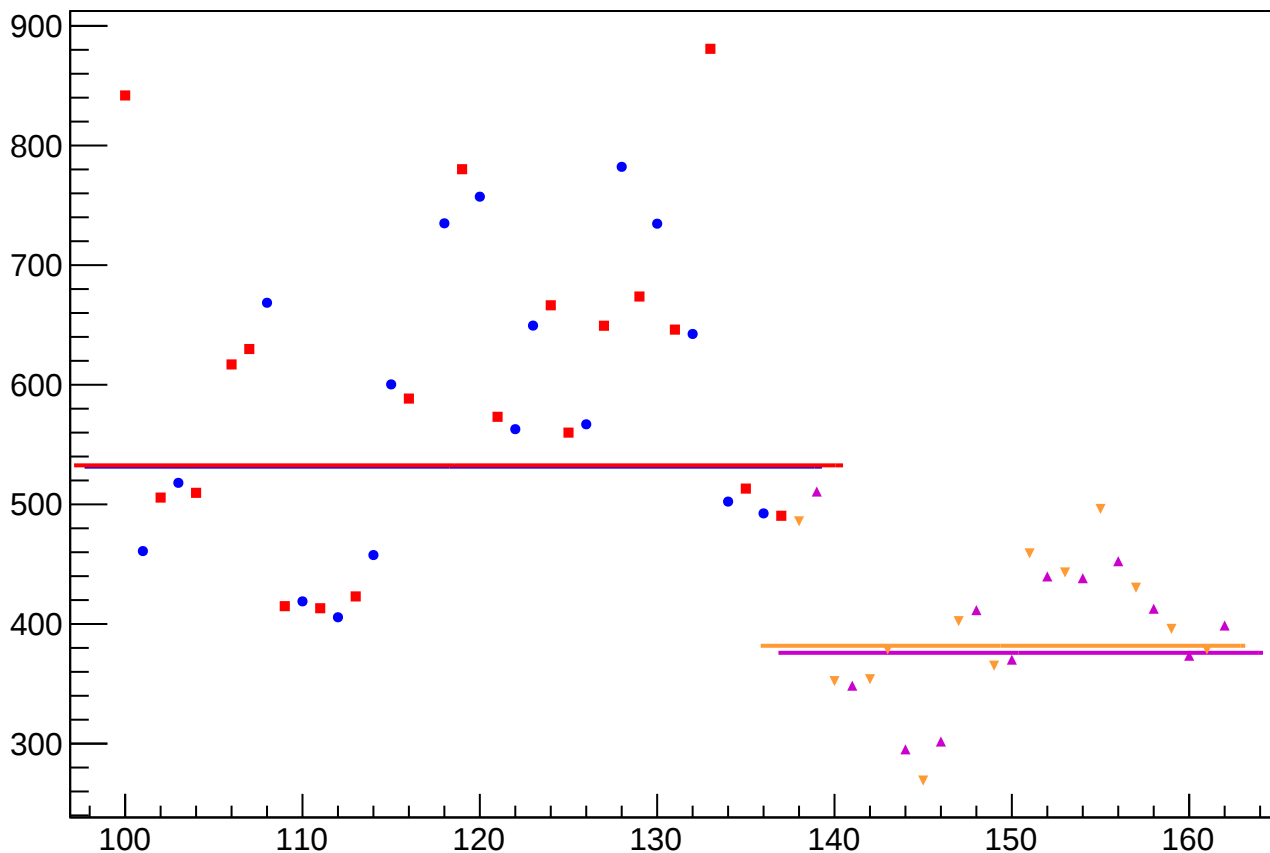
Left In: 81.509 ± 122.254 χ^2/NDF : 7.3/11

+ sign 583.095 ± 107.155 χ^2/NDF : 52.5/29

All: 363.489 ± 75.007 χ^2/NDF : 77.7/60

- sign 152.516 ± 105.028 χ^2/NDF : 17.0/30

asym_sam_1357_avg_rms vs Slug



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 381.807 $\pm$ 0.088 χ^2 /NDF: 537584.9/12

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

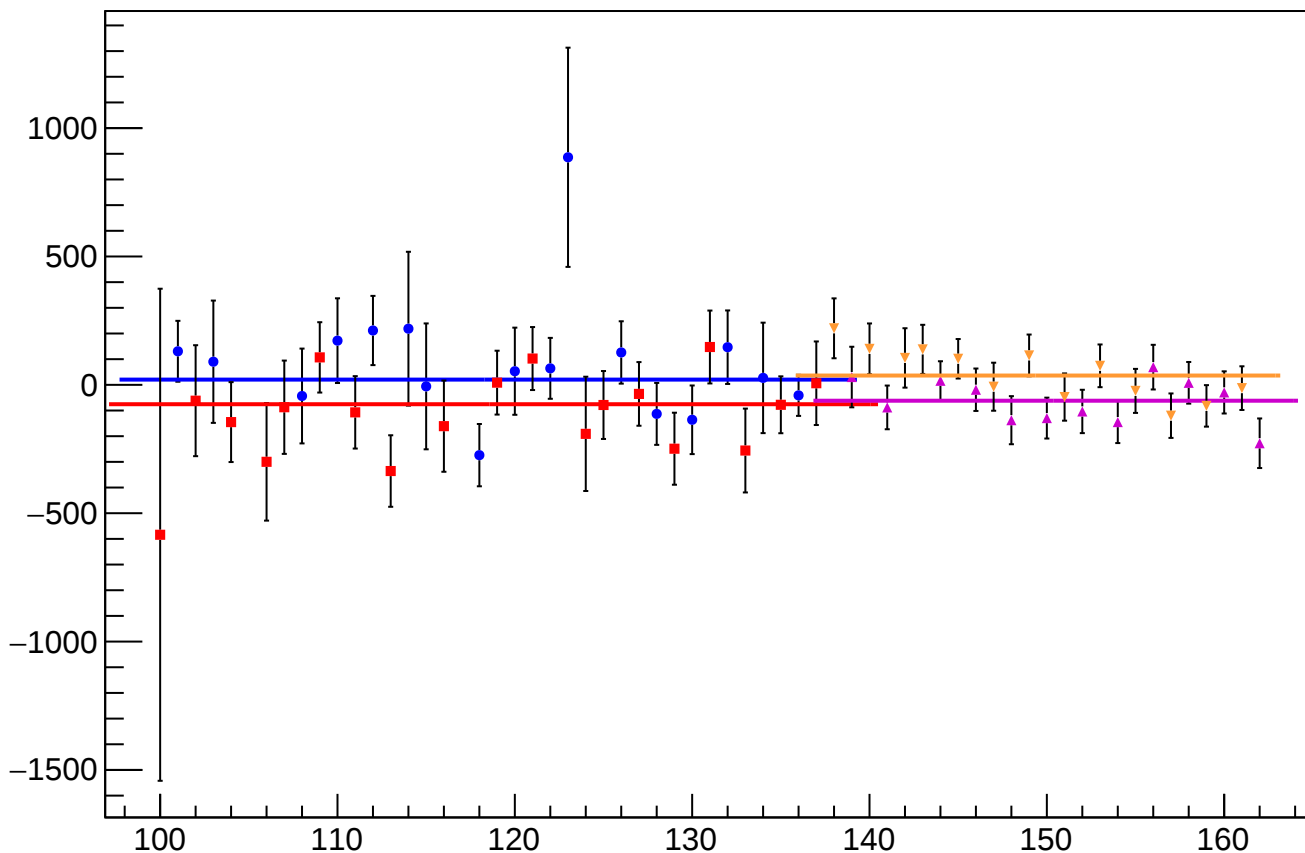
Left In: 375.919 $\pm$ 0.086 χ^2 /NDF: 476690.8/11

+ sign 420.186 $\pm$ 0.076 χ^2 /NDF: 1832170.8/29

All: 418.545 $\pm$ 0.053 χ^2 /NDF: 3786296.2/60

- sign 416.968 $\pm$ 0.074 χ^2 /NDF: 1953205.6/30

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 36.275 $\pm$ 24.864 χ^2 /NDF:14.2/12

Right Out: -75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

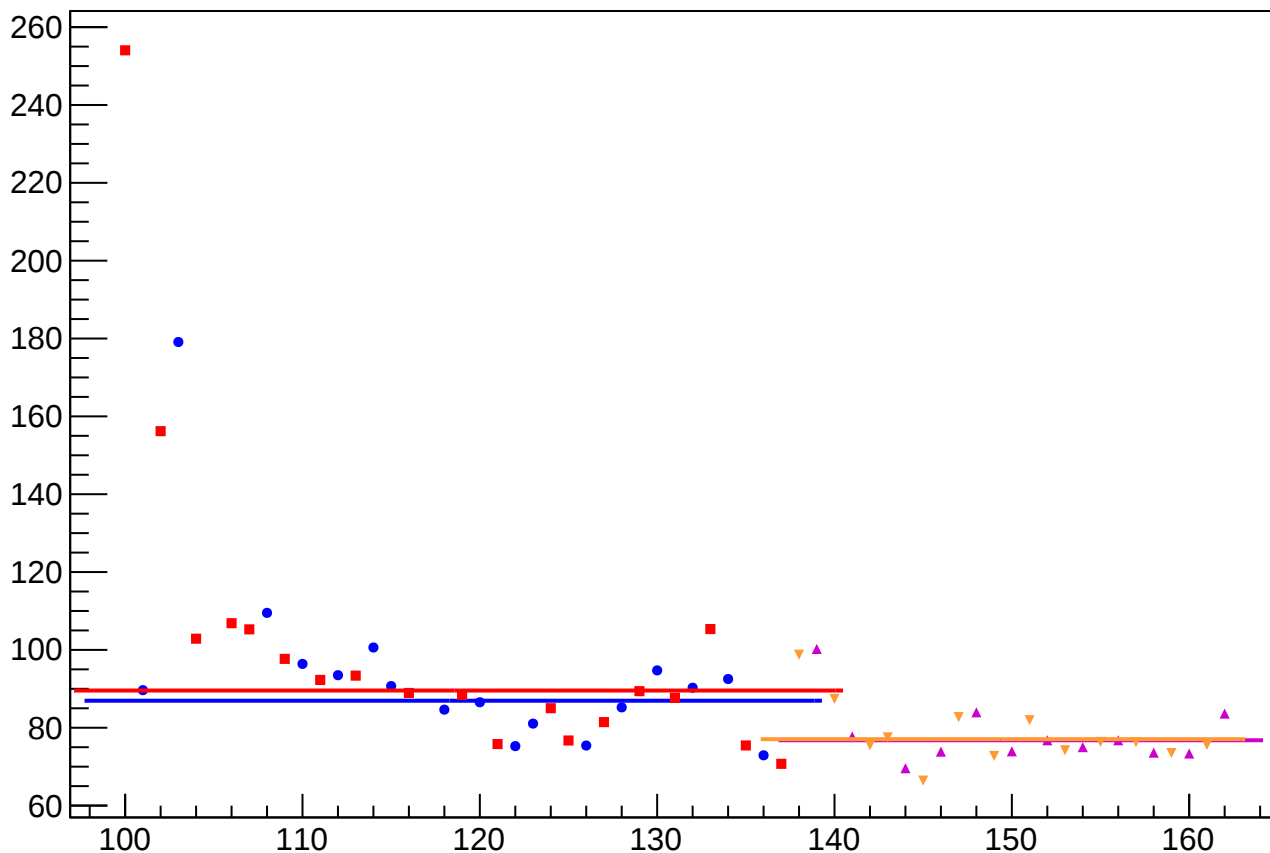
Left In: -61.806 $\pm$ 24.763 χ^2 /NDF:10.8/11

+ sign 30.879 $\pm$ 20.188 χ^2 /NDF: 33.6/29

All: -17.843 $\pm$ 14.264 χ^2 /NDF: 71.5/60

- sign -66.412 $\pm$ 20.156 χ^2 /NDF: 26.3/30

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 77.064+/-0.018 χ^2/NDF : 155413.2/12

Right Out: 89.561+/-0.025 χ^2/NDF : 431229.7/18

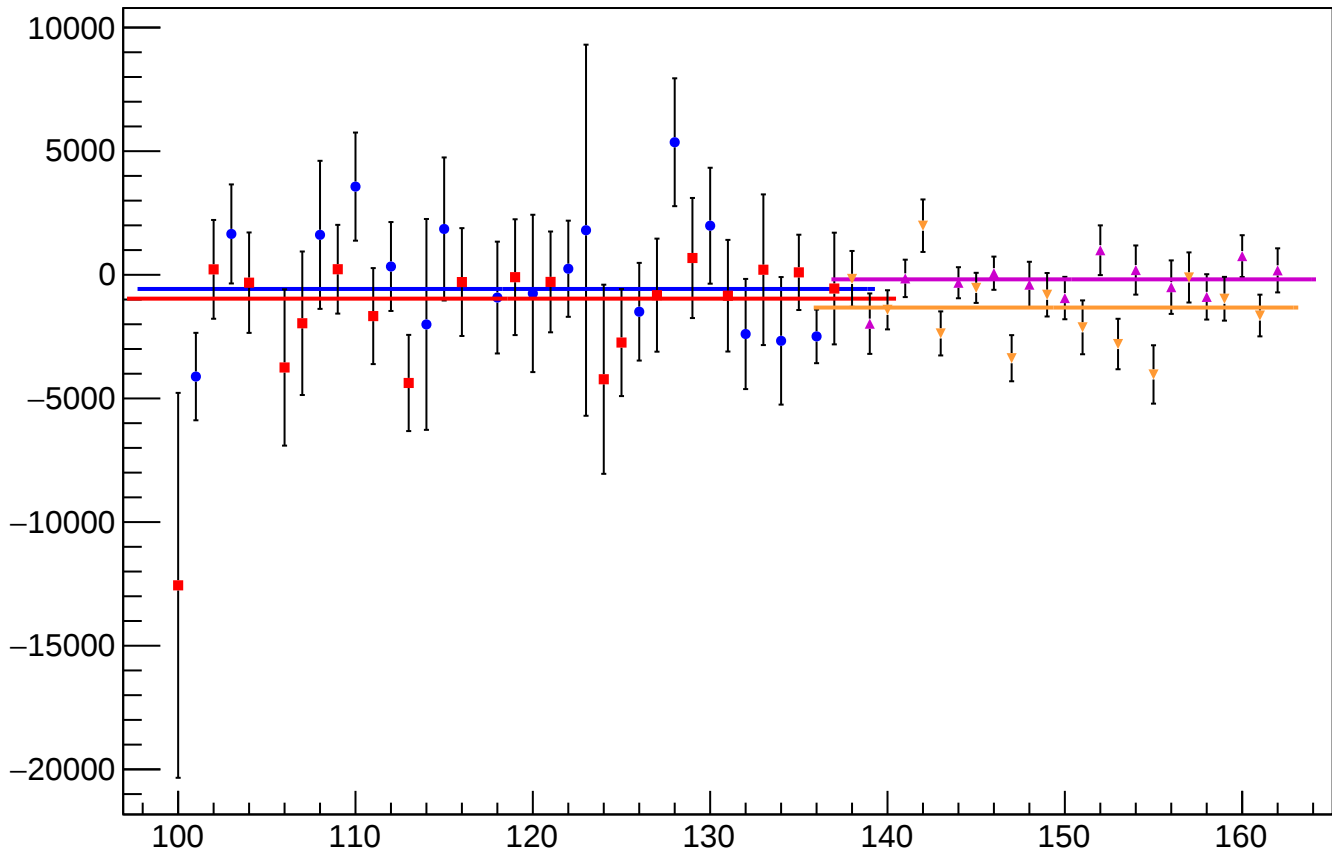
Left In: 76.785+/-0.018 χ^2/NDF : 131603.2/11

+ sign 80.430+/-0.014 χ^2/NDF : 718800.1/29

All: 80.764+/-0.010 χ^2/NDF : 1462380.6/60

- sign 81.096+/-0.014 χ^2/NDF : 742492.3/30

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1323.912 ± 251.198 χ^2/NDF : 28.7/12

Right Out: -963.846 ± 514.621 χ^2/NDF : 10.1/18

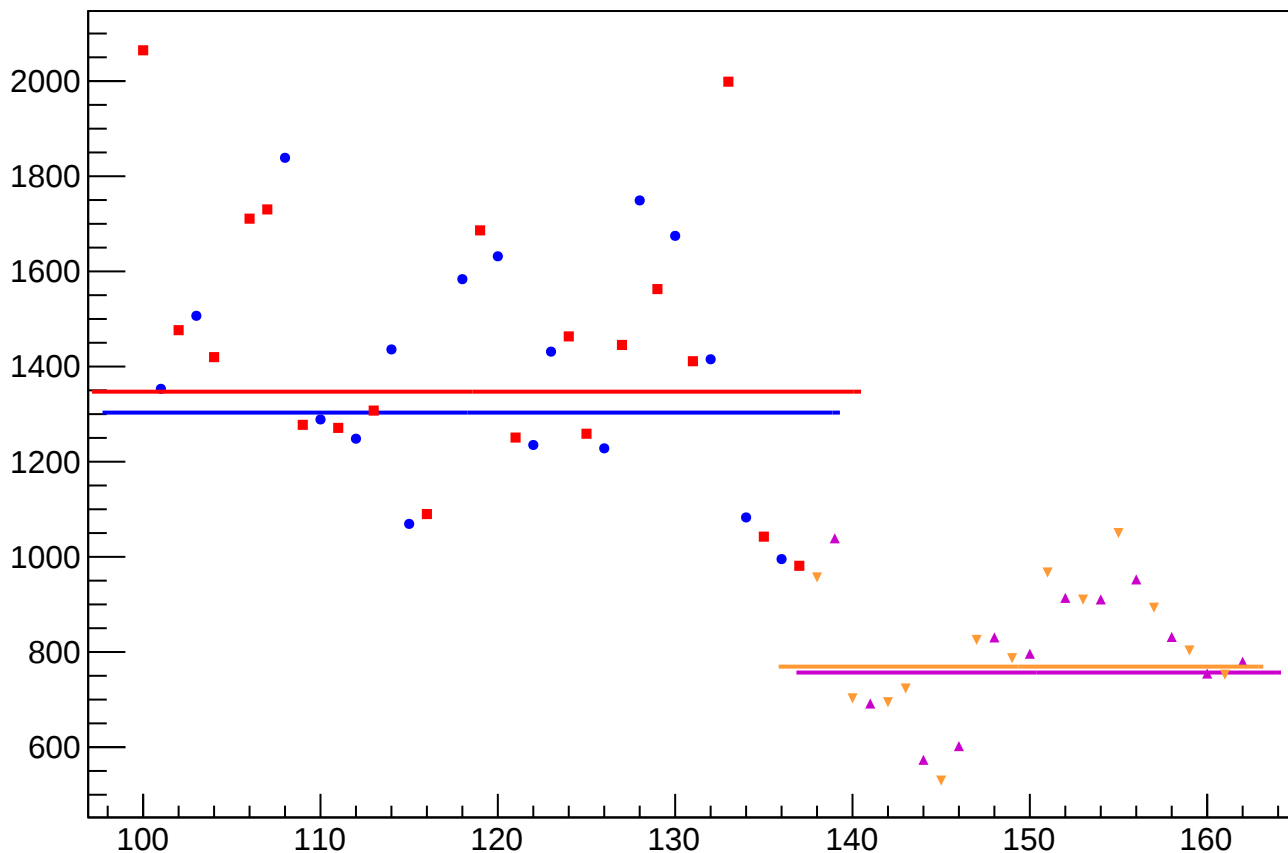
Left In: -183.617 ± 246.901 χ^2/NDF : 6.8/11

+ sign -1180.380 ± 225.942 χ^2/NDF : 52.3/29

All: -748.668 ± 158.573 χ^2/NDF : 78.2/60

- sign -329.607 ± 222.607 χ^2/NDF : 18.7/30

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201 $\pm$ 0.366 χ^2 /NDF: 451961.9/16

Left Out: 769.272 $\pm$ 0.178 χ^2 /NDF: 653370.1/12

Right Out: 1347.177 $\pm$ 0.364 χ^2 /NDF: 420774.0/18

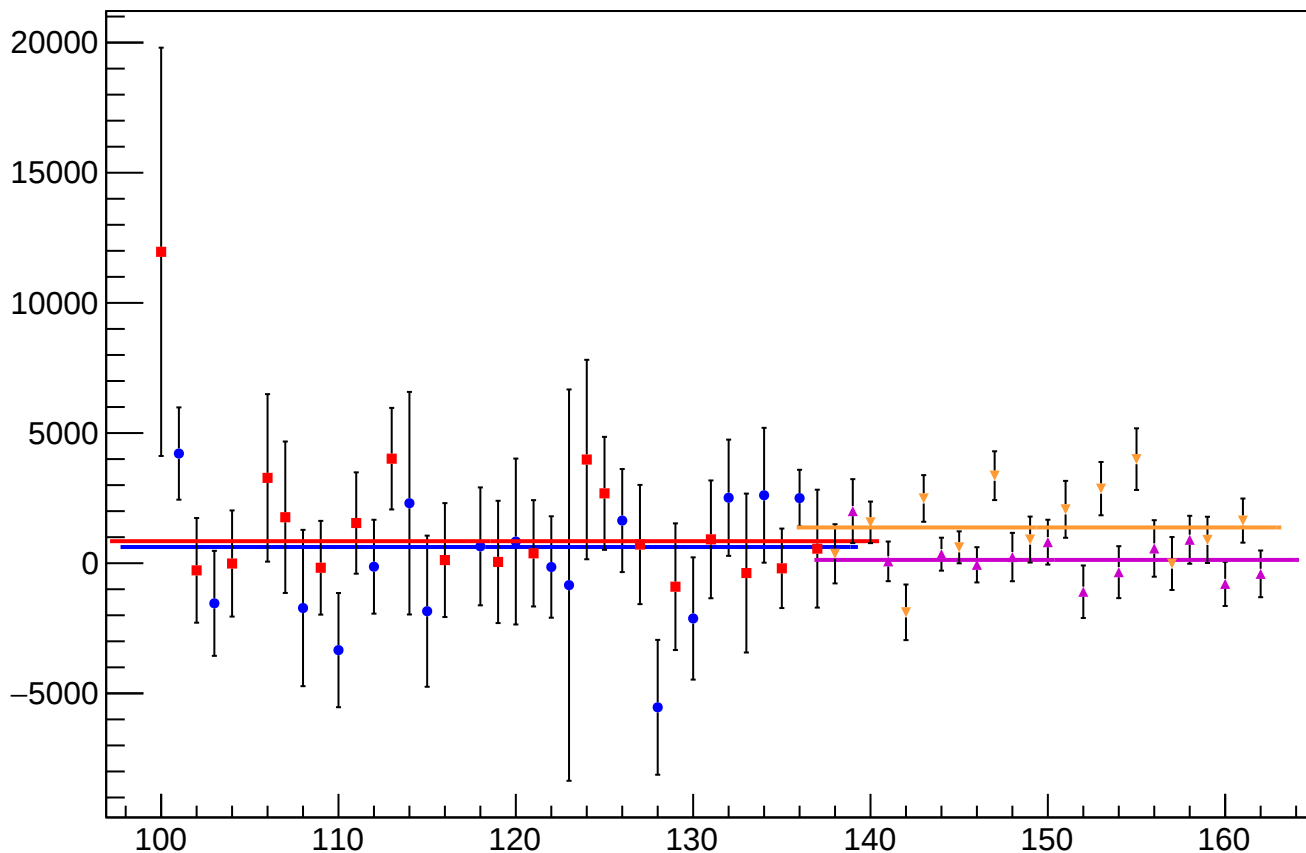
Left In: 756.844 $\pm$ 0.175 χ^2 /NDF: 591753.2/11

+ sign 871.240 $\pm$ 0.160 χ^2 /NDF: 2830944.2/29

All: 869.242 $\pm$ 0.112 χ^2 /NDF: 5983118.5/60

- sign 867.302 $\pm$ 0.157 χ^2 /NDF: 3151866.1/30

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 ± 518.496 χ^2/NDF : 22.0/16

Left Out: 1373.206 ± 252.596 χ^2/NDF : 27.7/12

Right Out: 846.021 ± 516.325 χ^2/NDF : 9.1/18

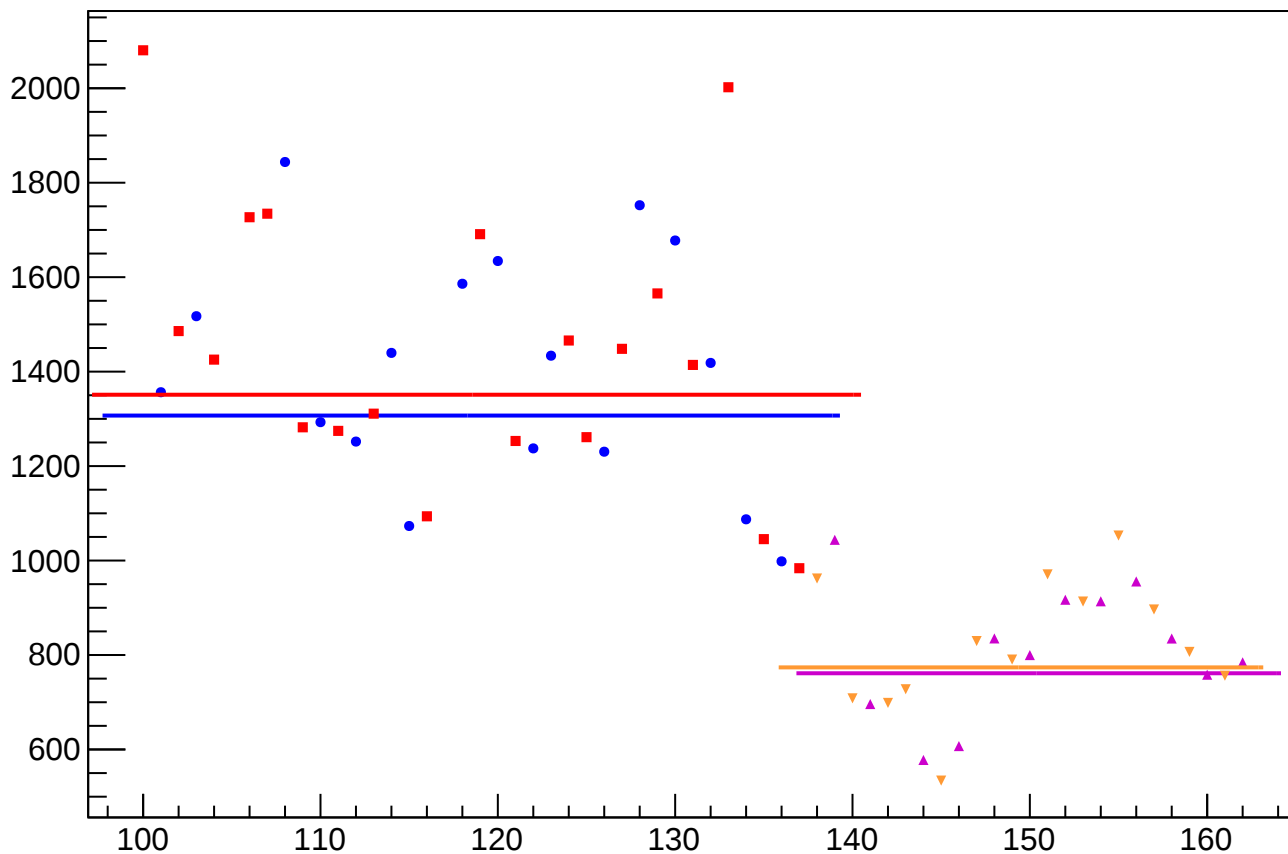
Left In: 127.102 ± 248.297 χ^2/NDF : 7.3/11

+ sign 1229.196 ± 227.082 χ^2/NDF : 51.4/29

All: 738.554 ± 159.386 χ^2/NDF : 78.5/60

- sign 262.131 ± 223.767 χ^2/NDF : 17.9/30

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 $\chi^2/\text{NDF}: 451191.7/16$

Left Out: 773.782 ± 0.179 $\chi^2/\text{NDF}: 642501.4/12$

Right Out: 1351.096 ± 0.365 $\chi^2/\text{NDF}: 421804.6/18$

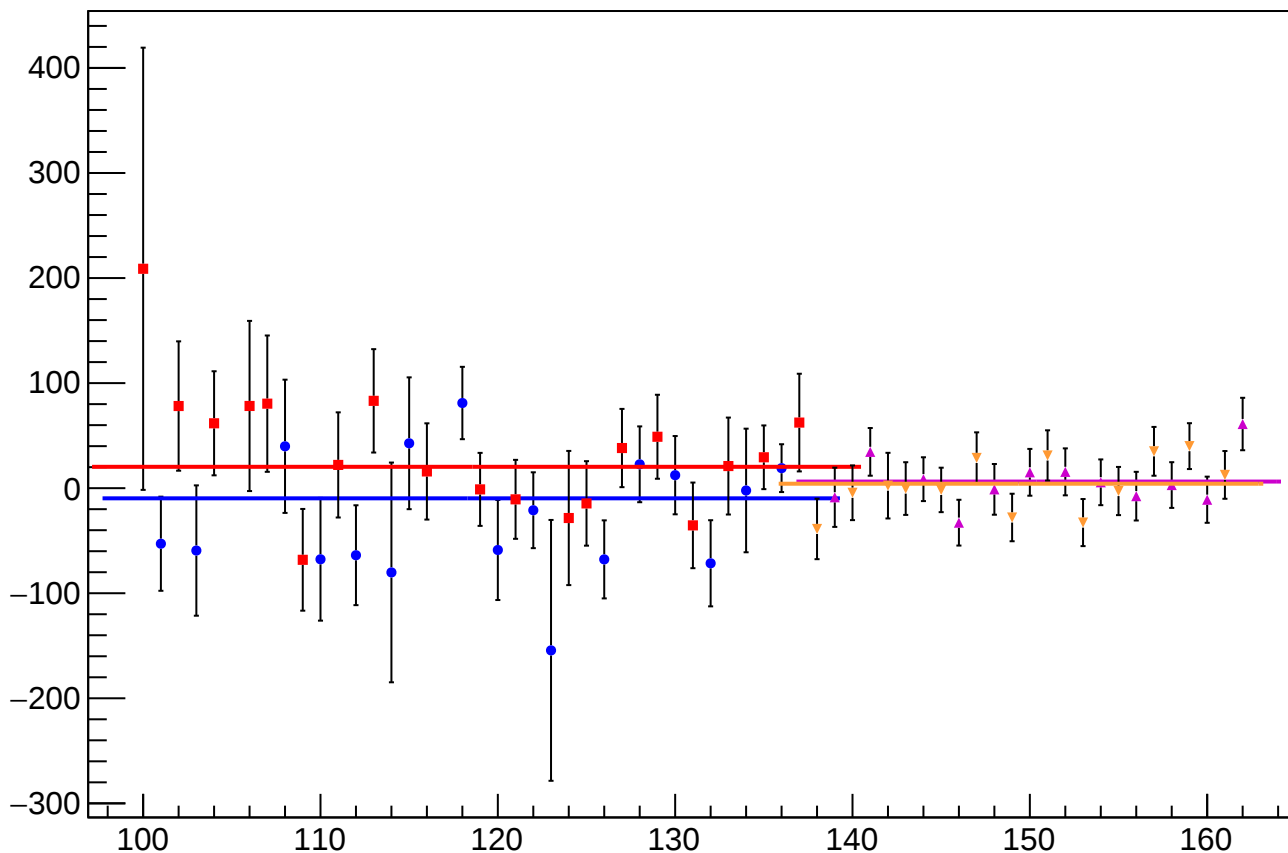
Left In: 761.340 ± 0.176 $\chi^2/\text{NDF}: 581808.3/11$

+ sign 876.055 ± 0.161 $\chi^2/\text{NDF}: 2803039.7/29$

All: 874.053 ± 0.113 $\chi^2/\text{NDF}: 5926202.5/60$

- sign 872.109 ± 0.158 $\chi^2/\text{NDF}: 3122856.3/30$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 4.237 ± 6.637 χ^2/NDF : 14.2/12

Right Out: 20.335 ± 10.444 χ^2/NDF : 14.7/18

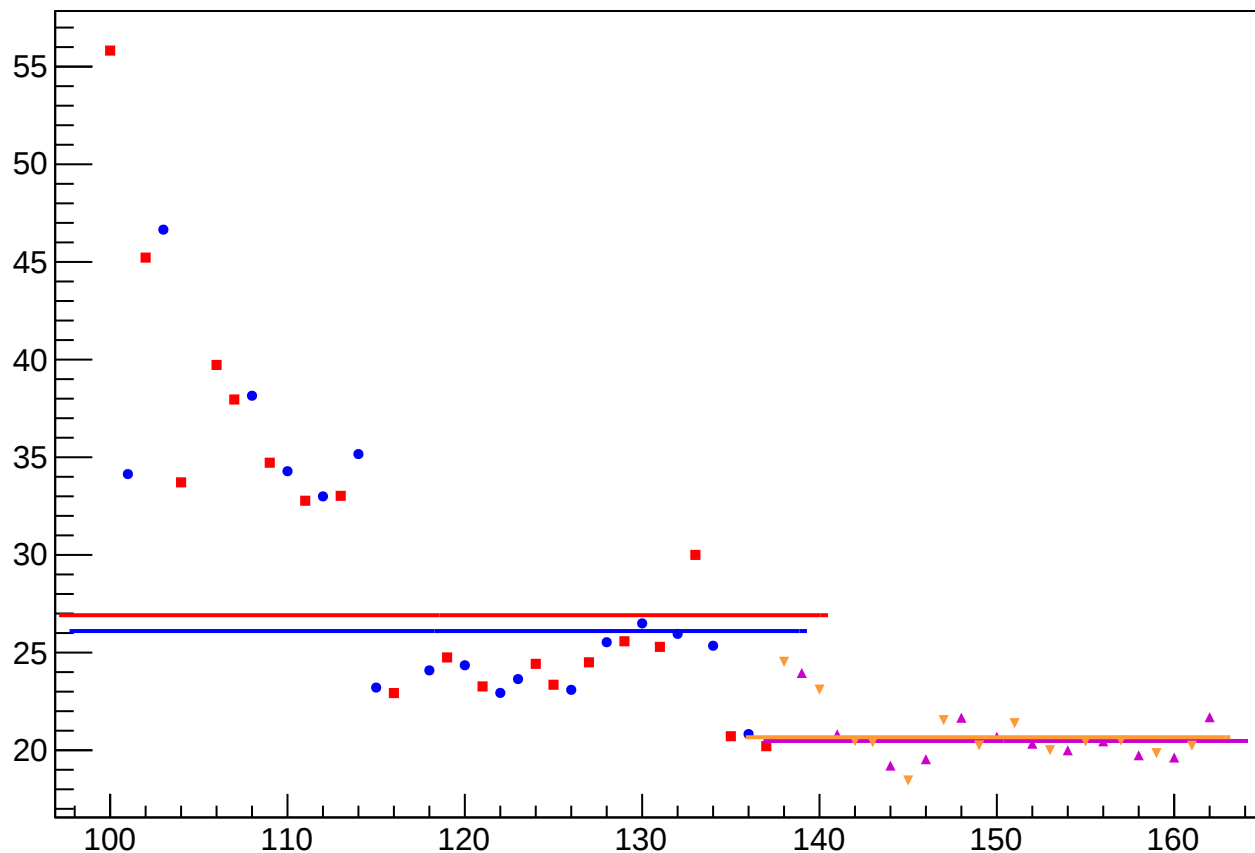
Left In: 6.296 ± 6.579 χ^2/NDF : 11.3/11

+ sign 0.217 ± 5.596 χ^2/NDF : 38.0/29

All: 5.277 ± 3.947 χ^2/NDF : 66.9/60

- sign 10.284 ± 5.567 χ^2/NDF : 27.3/30

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.665 $\pm$ 0.005 χ^2 /NDF: 86456.4/12

Right Out: 26.914 $\pm$ 0.007 χ^2 /NDF: 678970.2/18

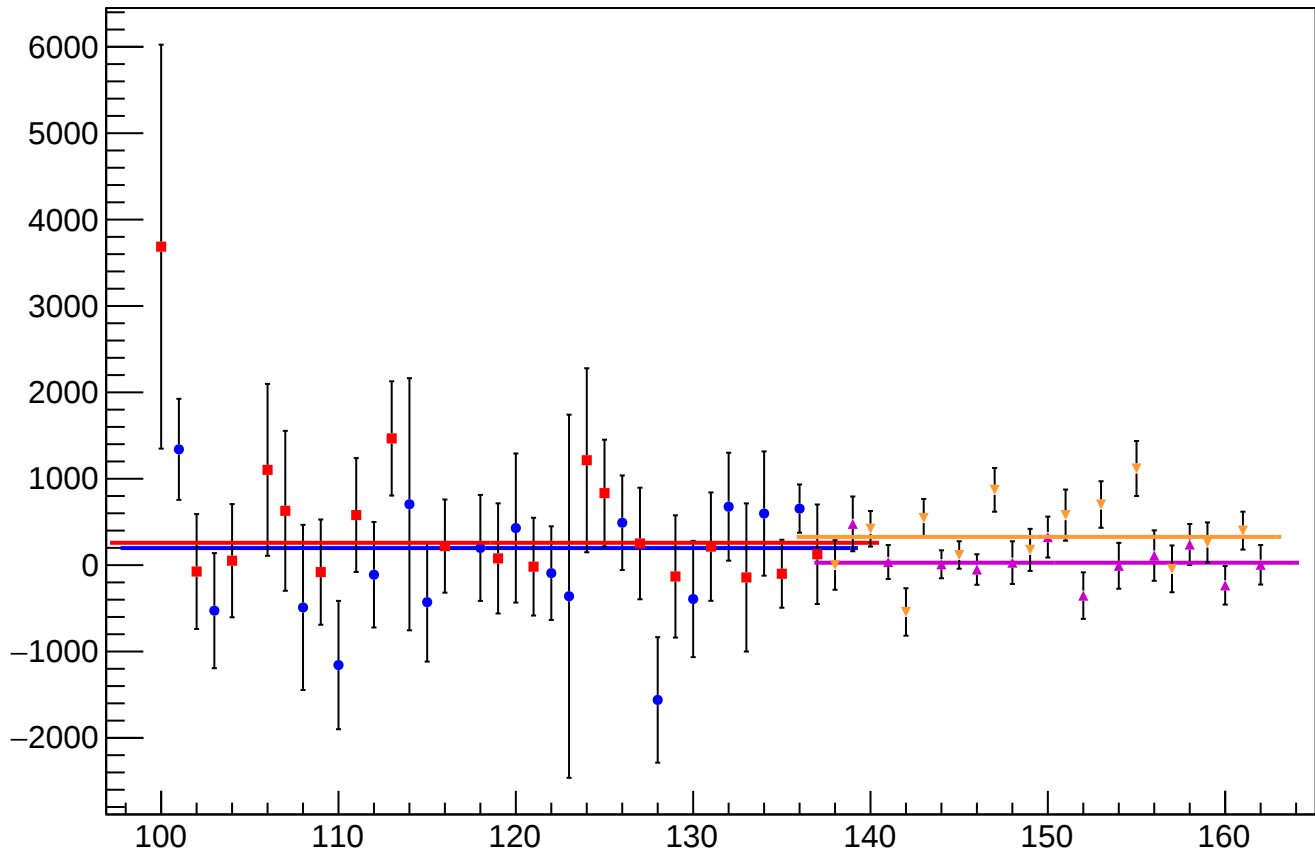
Left In: 20.475 $\pm$ 0.005 χ^2 /NDF: 58028.4/11

+ sign 22.237 $\pm$ 0.004 χ^2 /NDF: 1078615.8/29

All: 22.271 $\pm$ 0.003 χ^2 /NDF: 2360006.6/60

- sign 22.304 $\pm$ 0.004 χ^2 /NDF: 1281245.5/30

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 326.803 ± 65.976 χ^2/NDF : 30.1/12

Right Out: 258.537 ± 149.867 χ^2/NDF : 10.7/18

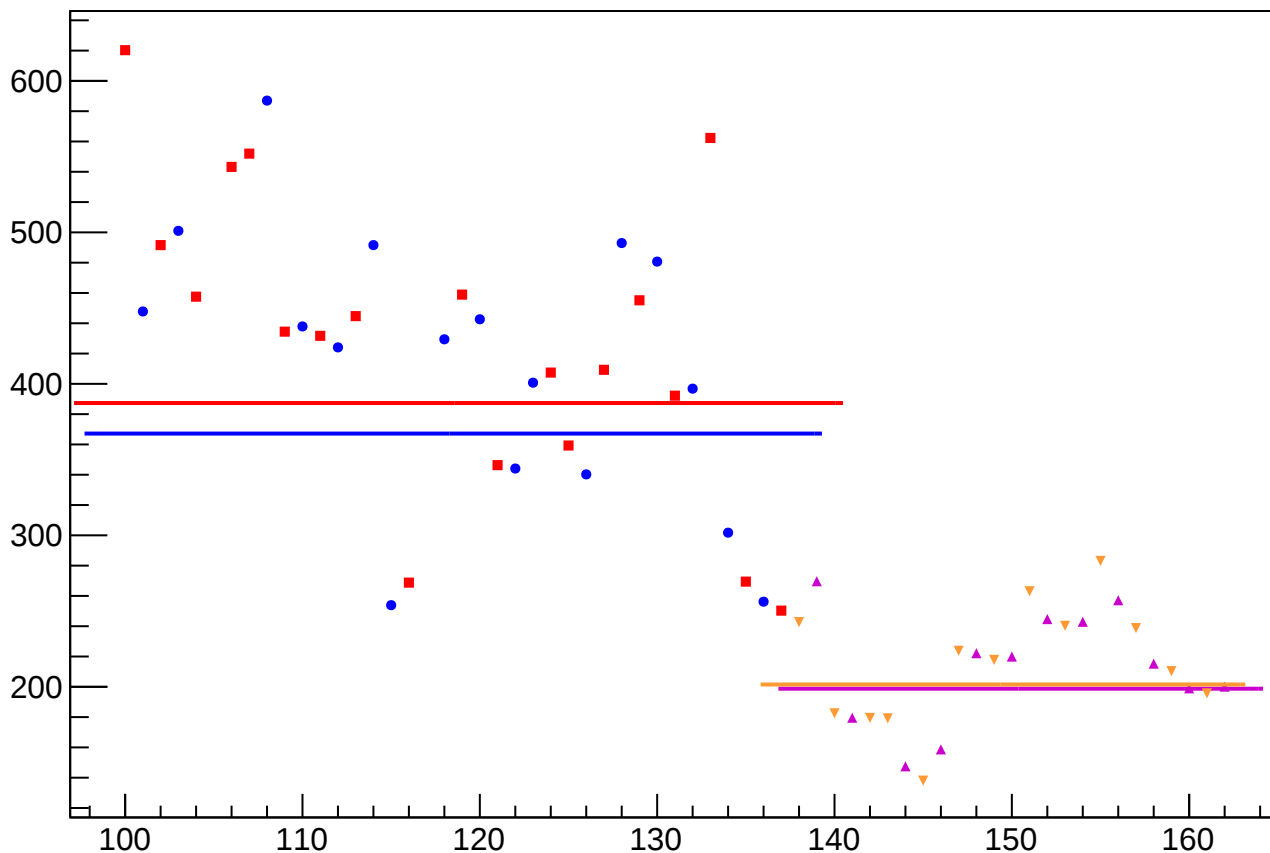
Left In: 27.960 ± 64.958 χ^2/NDF : 8.1/11

+ sign 305.310 ± 60.252 χ^2/NDF : 51.7/29

All: 183.559 ± 42.372 χ^2/NDF : 80.5/60

- sign 64.427 ± 59.600 χ^2/NDF : 20.7/30

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 201.532 $\pm$ 0.047 χ^2 /NDF: 736331.4/12

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

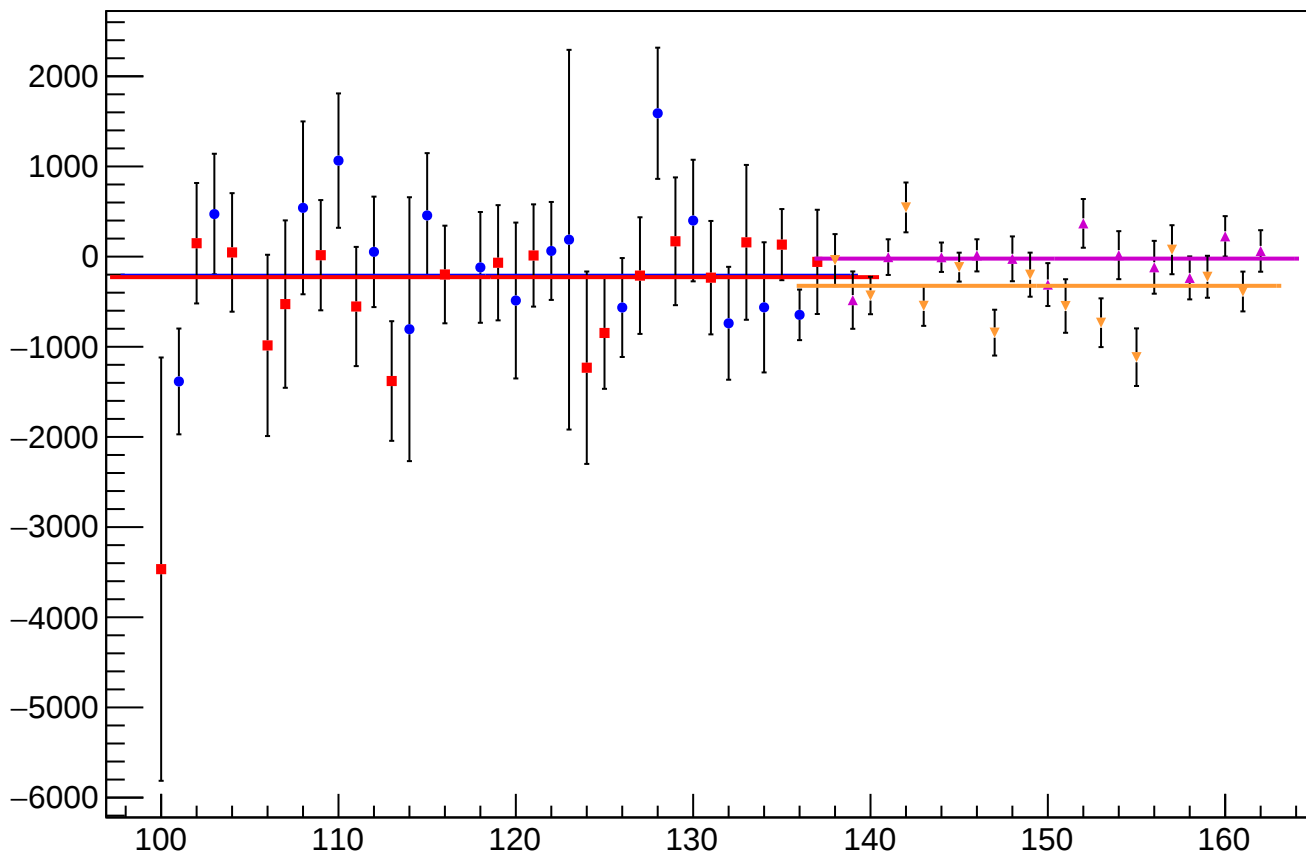
Left In: 198.744 $\pm$ 0.046 χ^2 /NDF: 660301.1/11

+ sign 229.029 $\pm$ 0.043 χ^2 /NDF: 3656308.1/29

All: 228.798 $\pm$ 0.030 χ^2 /NDF: 7757671.4/60

- sign 228.572 $\pm$ 0.042 χ^2 /NDF: 4101305.2/30

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -323.882 ± 66.362 χ^2/NDF : 29.7/12

Right Out: -227.831 ± 150.317 χ^2/NDF : 10.1/18

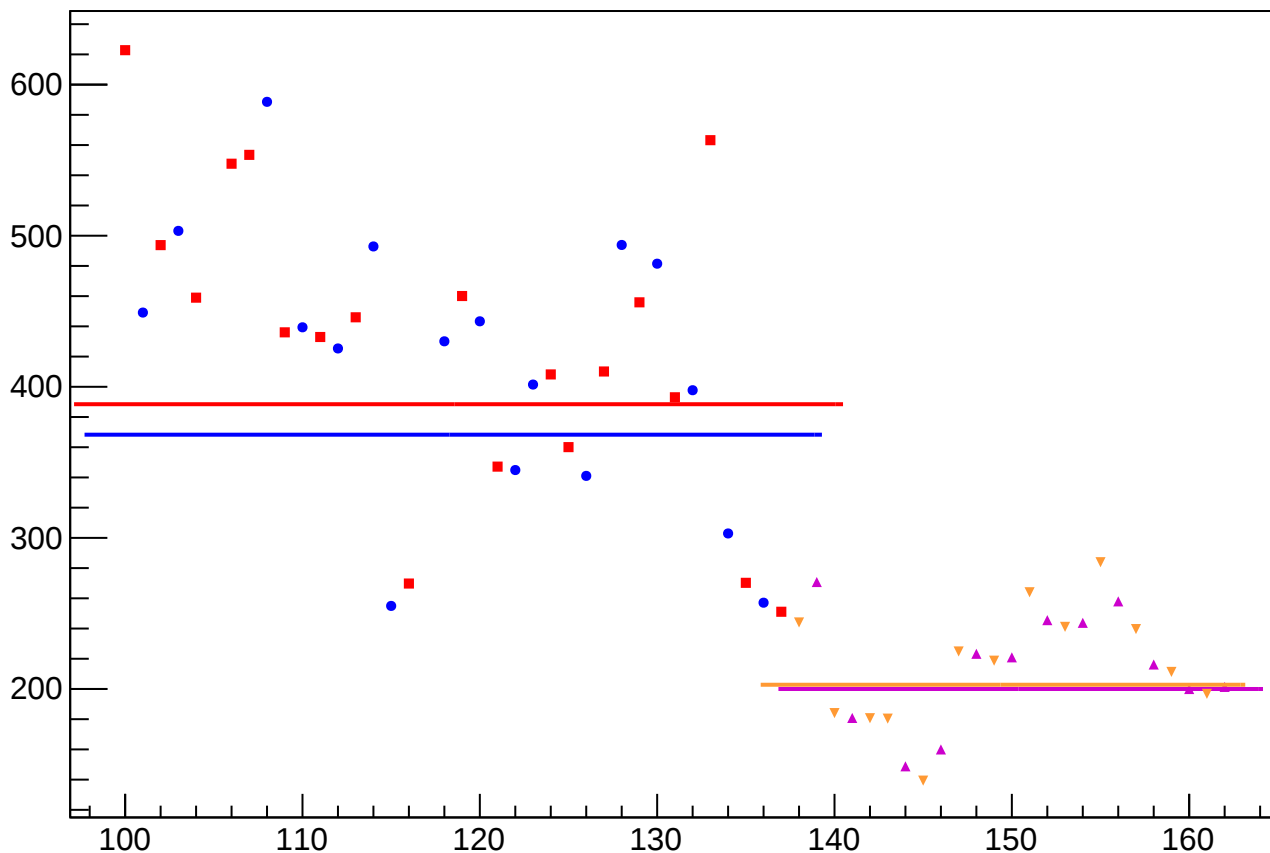
Left In: -22.140 ± 65.339 χ^2/NDF : 8.0/11

+ sign -305.196 ± 60.575 χ^2/NDF : 51.2/29

All: -178.656 ± 42.600 χ^2/NDF : 79.4/60

- sign -54.827 ± 59.922 χ^2/NDF : 19.6/30

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 202.798 $\pm$ 0.047 χ^2 /NDF: 722135.9/12

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

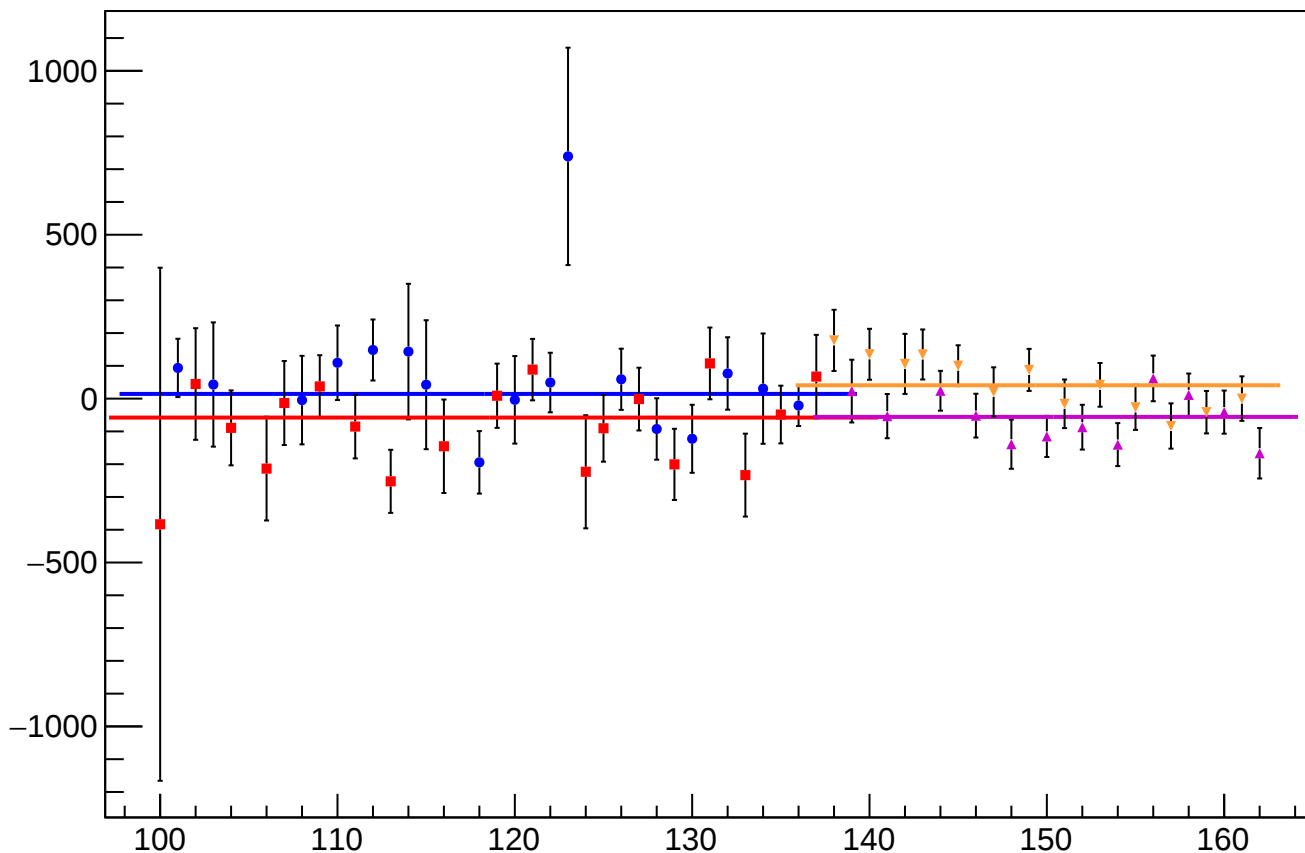
Left In: 199.987 $\pm$ 0.046 χ^2 /NDF: 647344.3/11

+ sign 230.405 $\pm$ 0.043 χ^2 /NDF: 3621736.3/29

All: 230.170 $\pm$ 0.030 χ^2 /NDF: 7688774.1/60

- sign 229.940 $\pm$ 0.042 χ^2 /NDF: 4066978.3/30

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 40.709 $\pm$ 19.870 χ^2 /NDF:13.9/12

Right Out: -57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

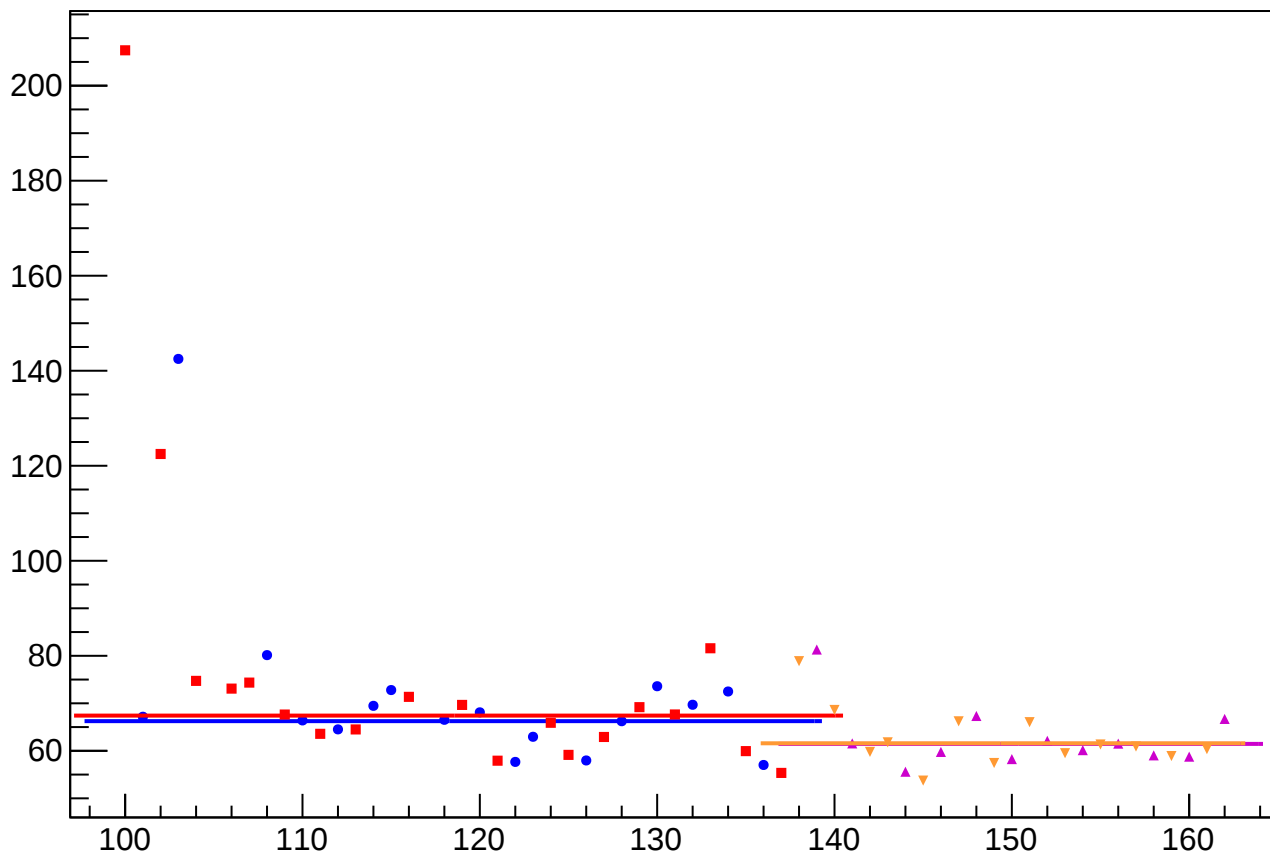
Left In: -55.750 $\pm$ 19.821 χ^2 /NDF:12.4/11

+ sign 31.159 $\pm$ 15.861 χ^2 /NDF: 32.2/29

All: -12.867 $\pm$ 11.190 χ^2 /NDF: 78.4/60

- sign -56.497 $\pm$ 15.790 χ^2 /NDF: 30.9/30

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 61.585+/-0.014 χ^2/NDF :146995.9/12

Right Out: 67.415+/-0.018 χ^2/NDF : 393608.5/18

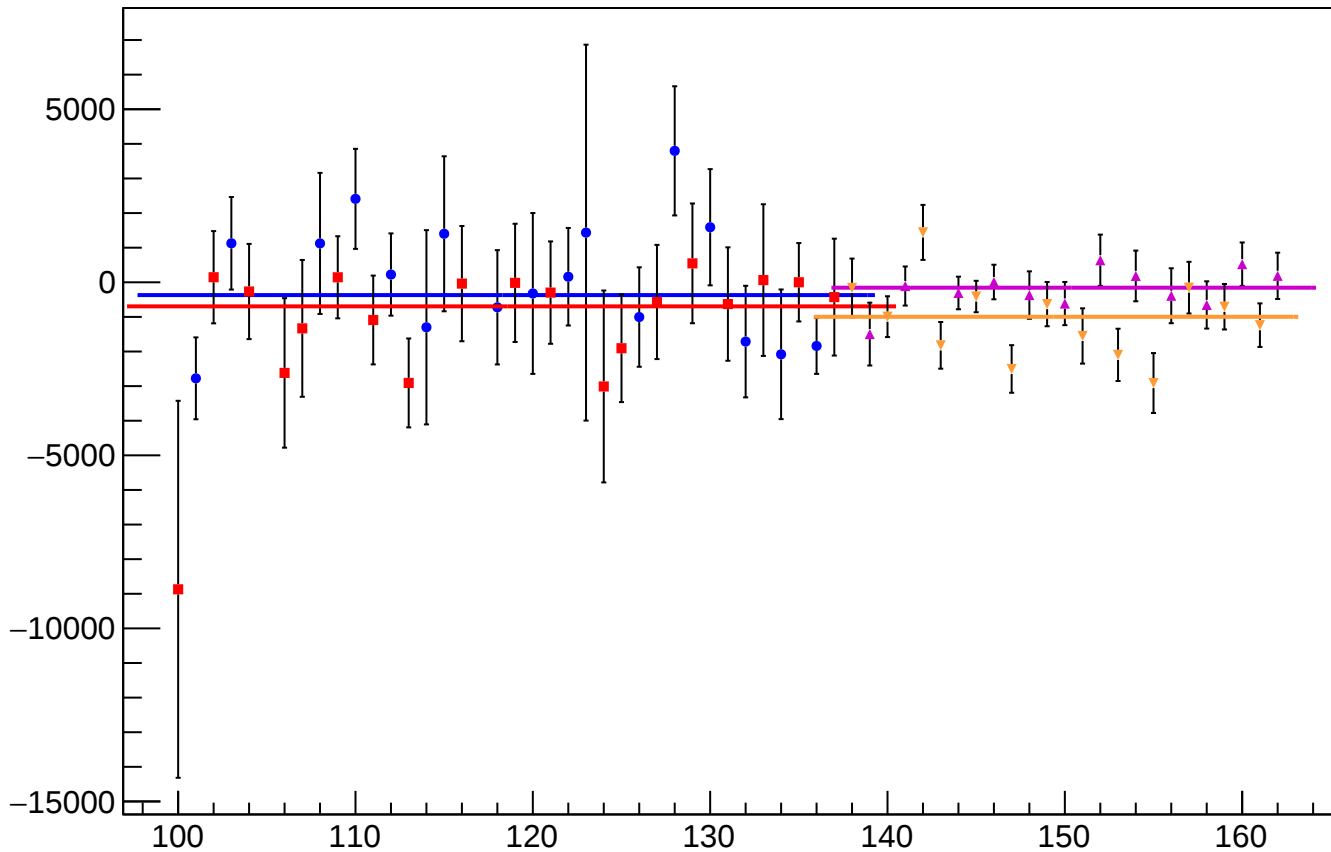
Left In: 61.458+/-0.014 χ^2/NDF :139859.0/11

+ sign 63.276+/-0.011 χ^2/NDF : 627884.7/29

All: 63.456+/-0.008 χ^2/NDF : 1227882.2/60

- sign 63.635+/-0.011 χ^2/NDF : 599485.0/30

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 $\pm$ 366.432 χ^2 /NDF: 22.3/16

Left Out: -997.073 $\pm$ 186.486 χ^2 /NDF:27.8/12

Right Out: -695.425 $\pm$ 361.887 χ^2 /NDF: 9.9/18

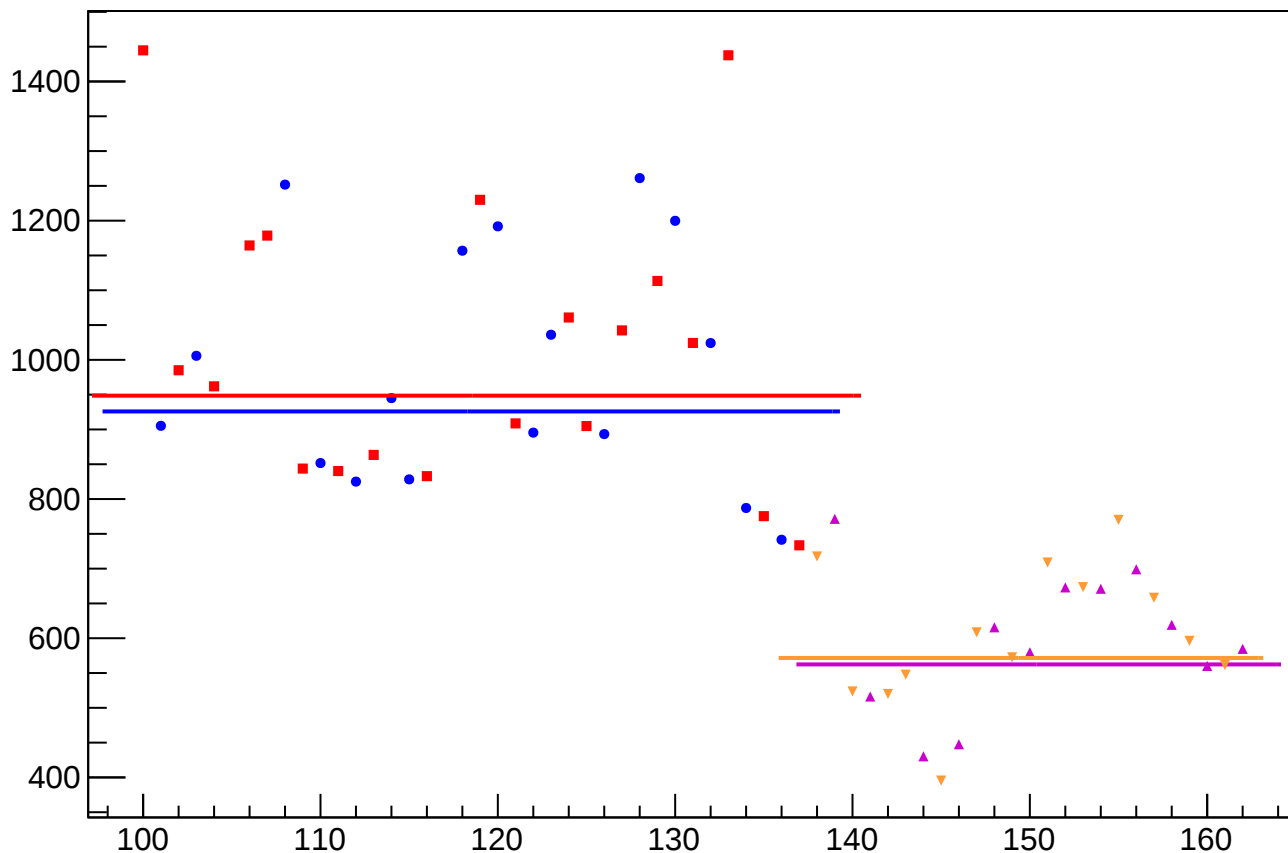
Left In: -155.973 $\pm$ 183.305 χ^2 /NDF:6.5/11

+ sign -867.977 $\pm$ 166.201 χ^2 /NDF: 52.4/29

All: -562.162 $\pm$ 116.564 χ^2 /NDF: 77.2/60

- sign -266.119 $\pm$ 163.524 χ^2 /NDF: 18.2/30

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 ± 0.259 χ^2/NDF : 391084.5/16

Left Out: 571.658 ± 0.132 χ^2/NDF : 621163.0/12

Right Out: 948.553 ± 0.256 χ^2/NDF : 381931.9/18

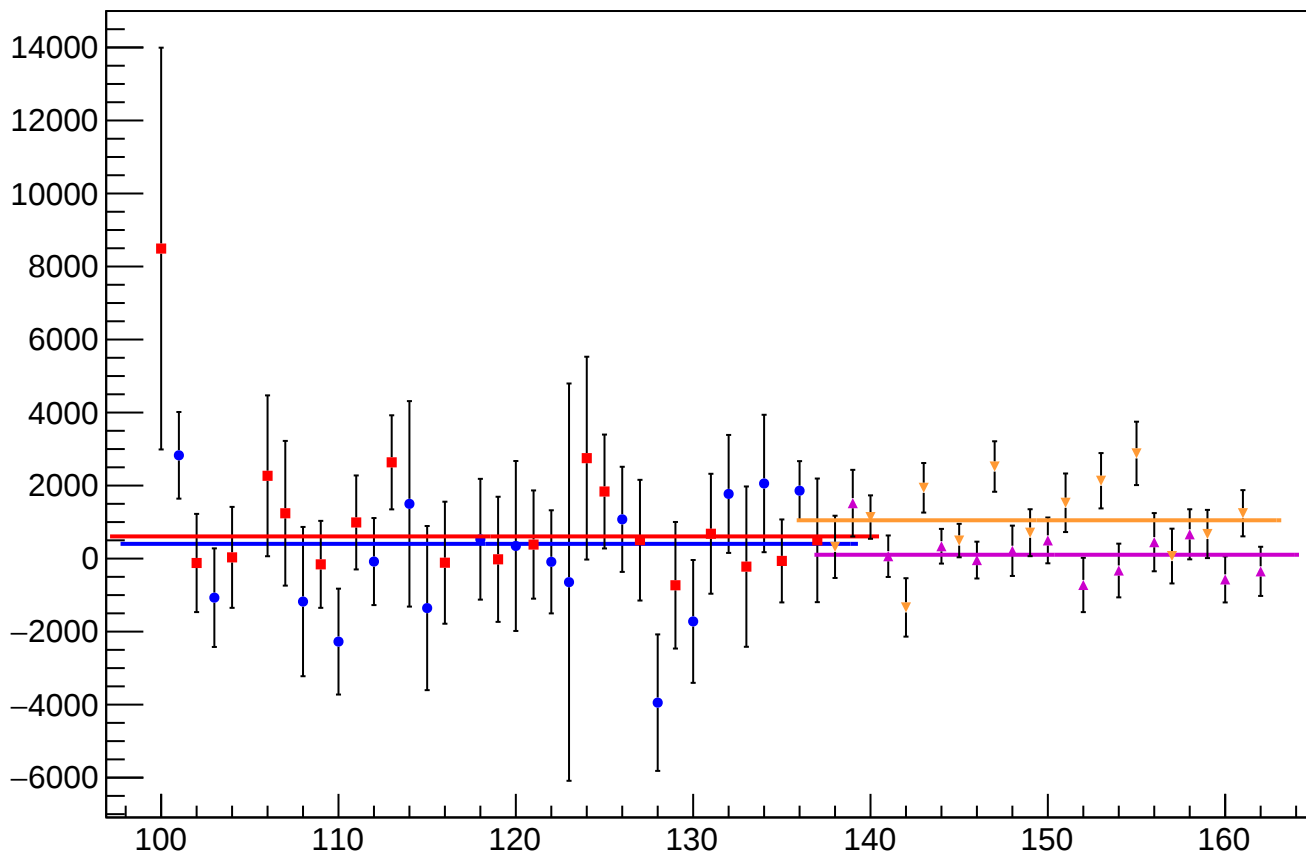
Left In: 562.382 ± 0.130 χ^2/NDF : 560025.6/11

+ sign 644.530 ± 0.118 χ^2/NDF : 2496739.1/29

All: 642.854 ± 0.082 χ^2/NDF : 5251501.3/60

- sign 641.231 ± 0.116 χ^2/NDF : 2754361.8/30

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591 $\pm$ 367.686 χ^2 /NDF: 22.4/16

Left Out: 1049.042 $\pm$ 187.679 χ^2 /NDF:26.6/12

Right Out: 607.276 $\pm$ 363.327 χ^2 /NDF: 8.8/18

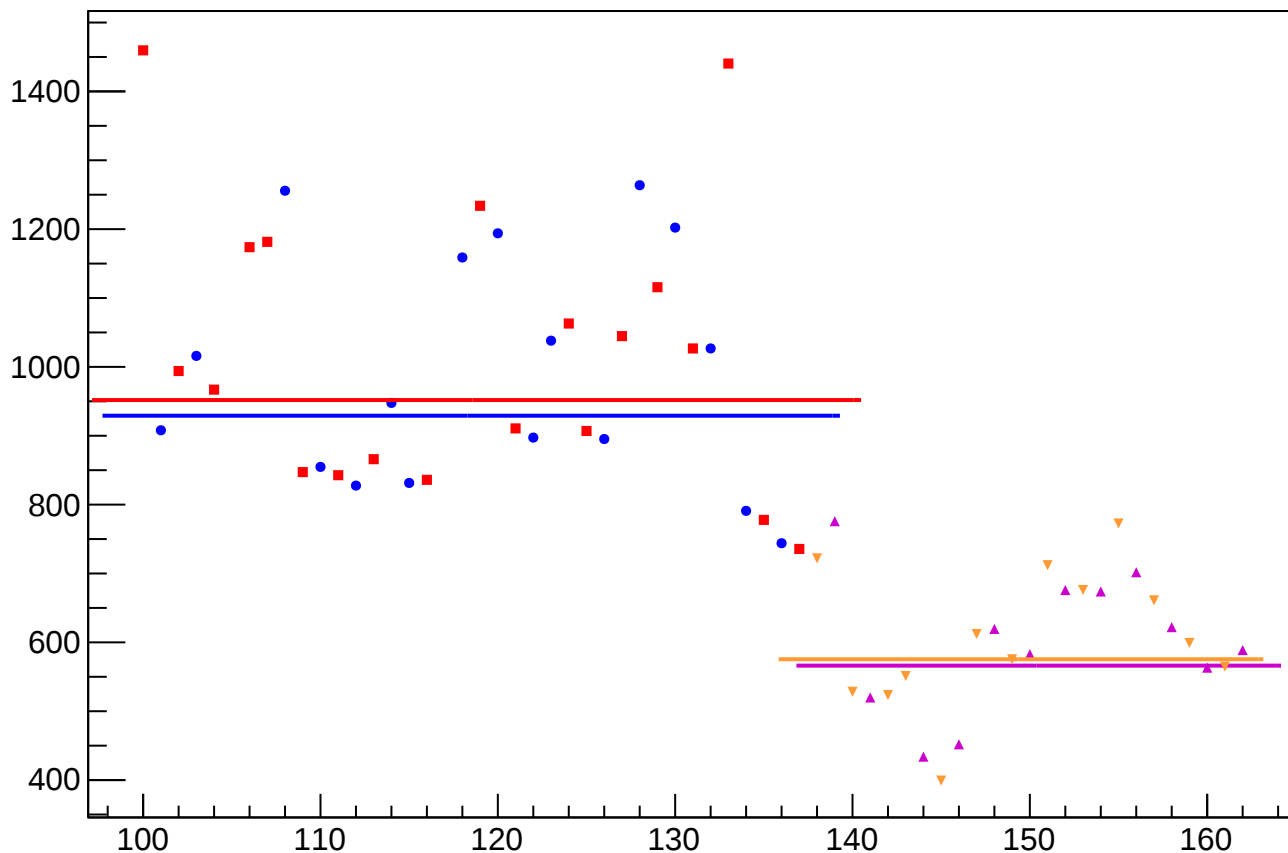
Left In: 104.807 $\pm$ 184.497 χ^2 /NDF:7.2/11

+ sign 915.633 $\pm$ 167.162 χ^2 /NDF: 51.5/29

All: 556.049 $\pm$ 117.250 χ^2 /NDF: 78.1/60

- sign 207.813 $\pm$ 164.503 χ^2 /NDF: 17.5/30

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 575.501+/-0.133 χ^2/NDF : 609058.0/12

Right Out: 951.847+/-0.257 χ^2/NDF : 382219.3/18

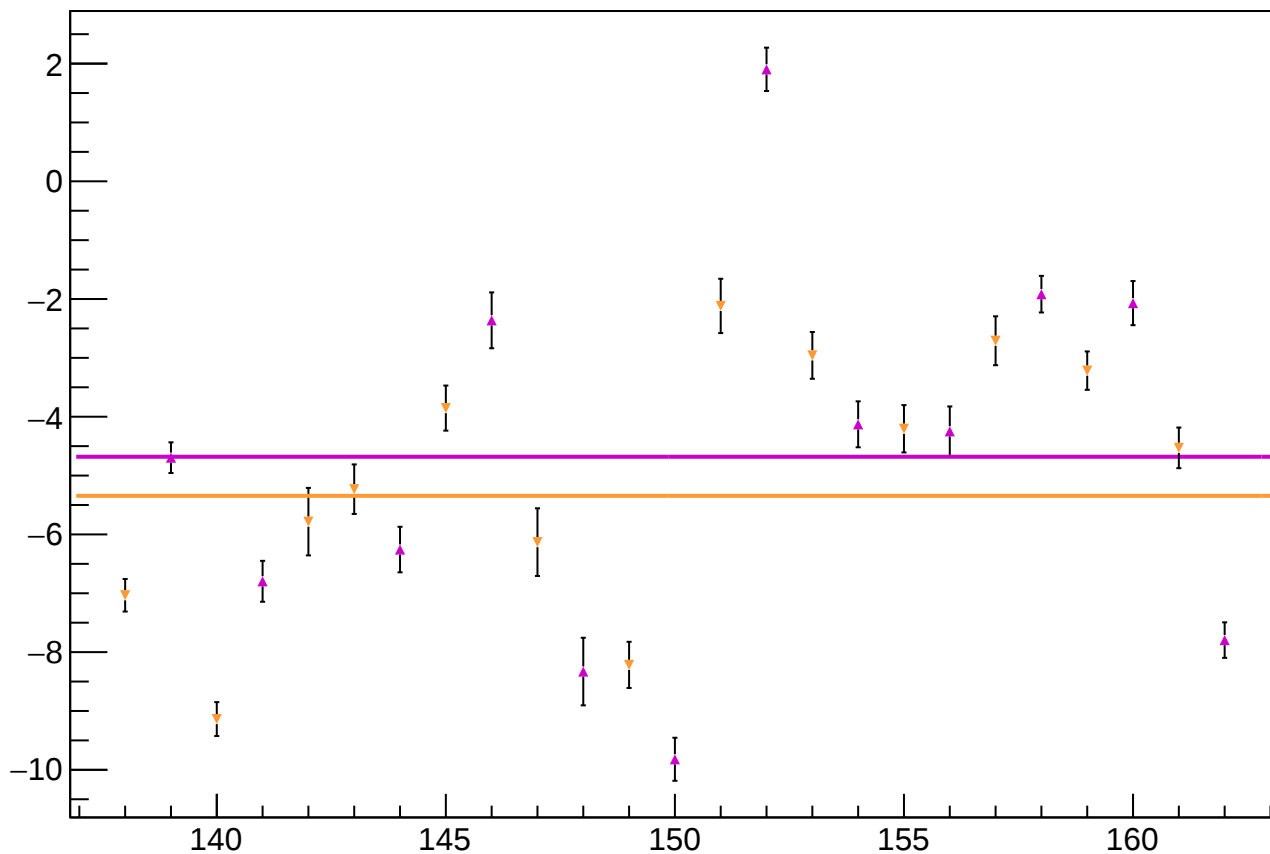
Left In: 566.214+/-0.130 χ^2/NDF : 549358.2/11

+ sign 648.586+/-0.118 χ^2/NDF : 2466697.8/29

All: 646.901+/-0.083 χ^2/NDF : 5189892.2/60

- sign 645.269+/-0.116 χ^2/NDF : 2722794.3/30

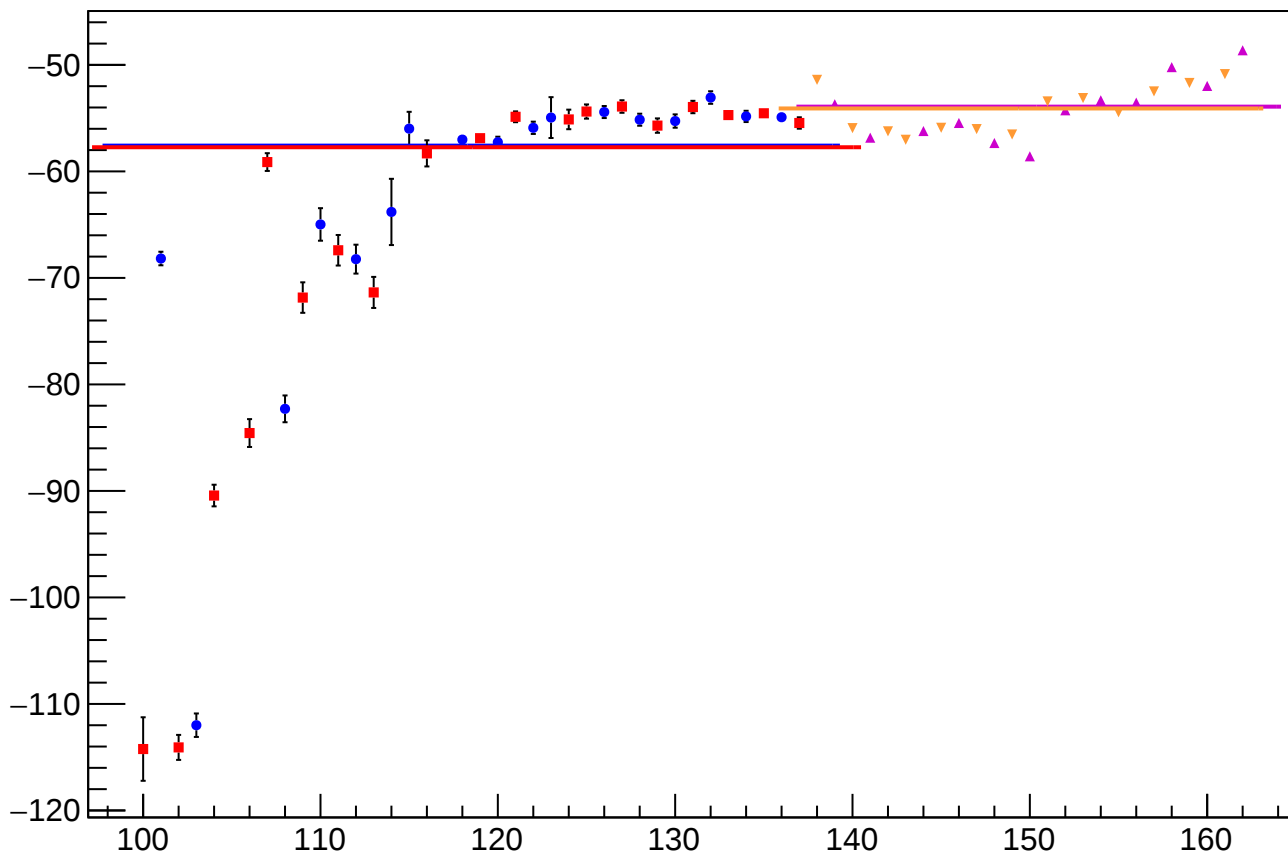
reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -5.344+/-0.105 χ^2/NDF : 463.2/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.680+/-0.104 χ^2/NDF : 871.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -5.009+/-0.074 χ^2/NDF : 1355.4/24
 - 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: -54.091 ± 0.077 χ^2/NDF : 772.7/12

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

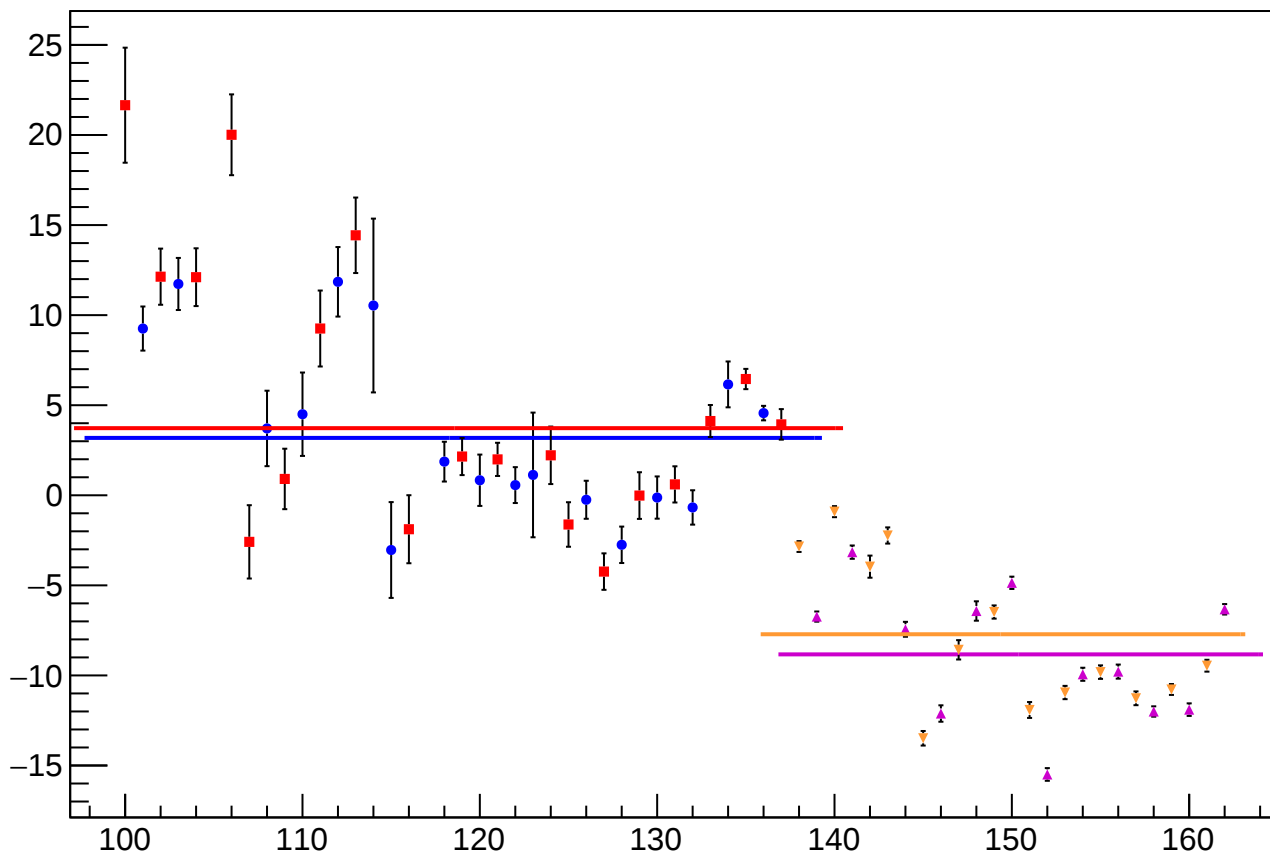
Left In: -53.920 ± 0.078 χ^2/NDF : 1553.8/11

+ sign -54.869 ± 0.068 χ^2/NDF : 4690.7/29

All: -54.831 ± 0.048 χ^2/NDF : 11491.9/60

- sign -54.792 ± 0.068 χ^2/NDF : 6800.6/30

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.714 ± 0.104 χ^2/NDF : 1575.2/12

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

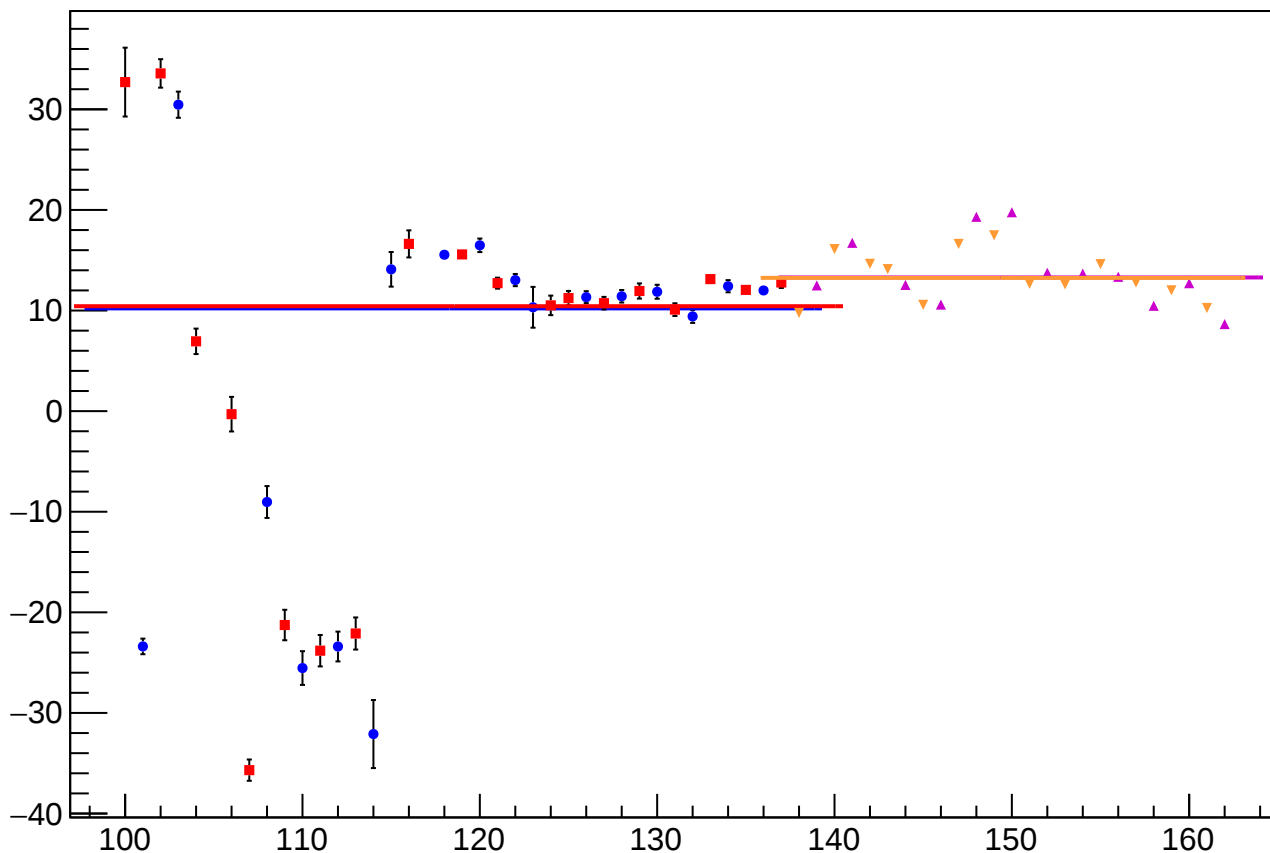
Left In: -8.831 ± 0.102 χ^2/NDF : 1155.3/11

+ sign -6.207 ± 0.096 χ^2/NDF : 3287.2/29

All: -6.735 ± 0.068 χ^2/NDF : 6751.2/60

- sign -7.248 ± 0.095 χ^2/NDF : 3404.8/30

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 13.248 $\pm$ 0.089 χ^2 /NDF: 722.8/12

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

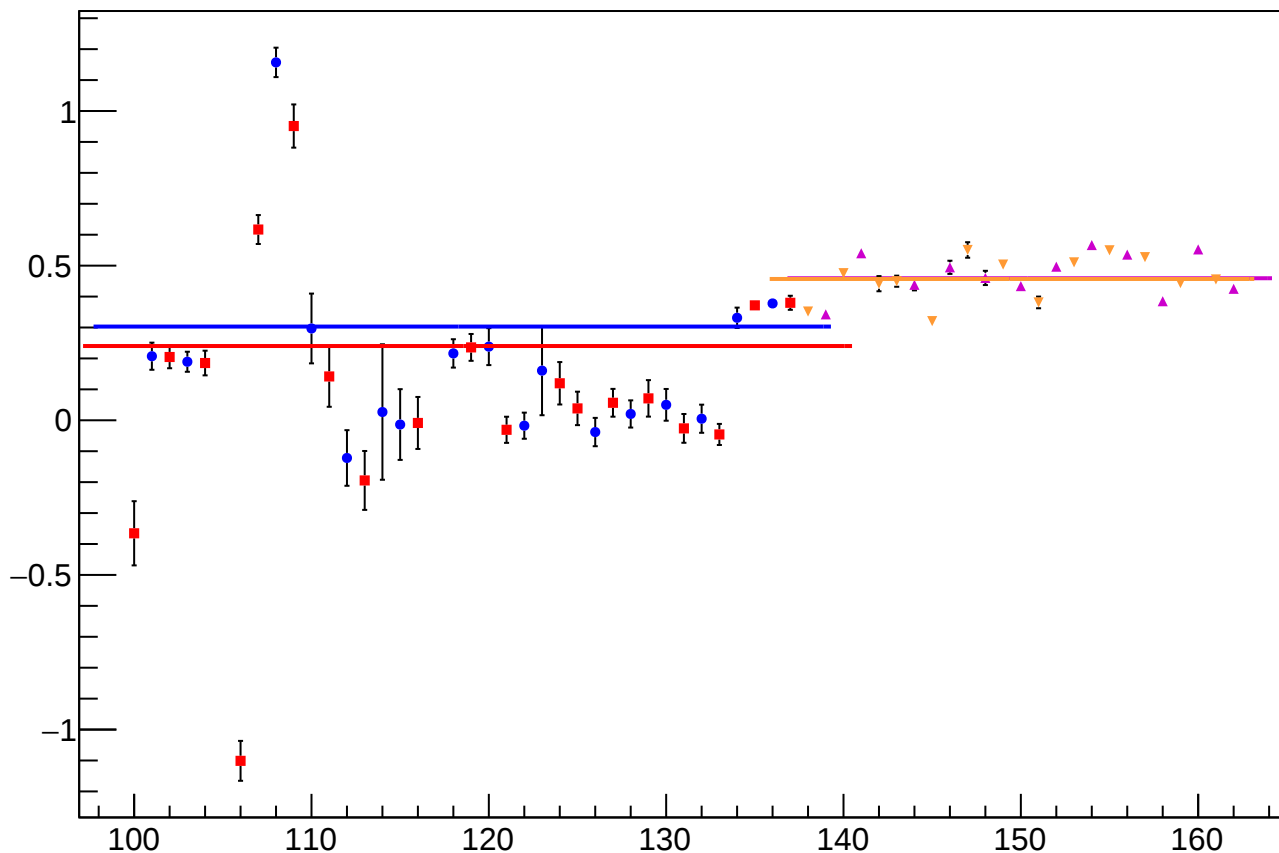
Left In: 13.288 $\pm$ 0.088 χ^2 /NDF: 1427.3/11

+ sign 12.523 $\pm$ 0.077 χ^2 /NDF: 4695.6/29

All: 12.572 $\pm$ 0.055 χ^2 /NDF: 10195.3/60

- sign 12.621 $\pm$ 0.077 χ^2 /NDF: 5498.8/30

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 ± 0.008 $\chi^2/\text{NDF}: 646.3/16$

Left Out: 0.457 ± 0.004 $\chi^2/\text{NDF}: 297.9/12$

Right Out: 0.240 ± 0.009 $\chi^2/\text{NDF}: 984.4/18$

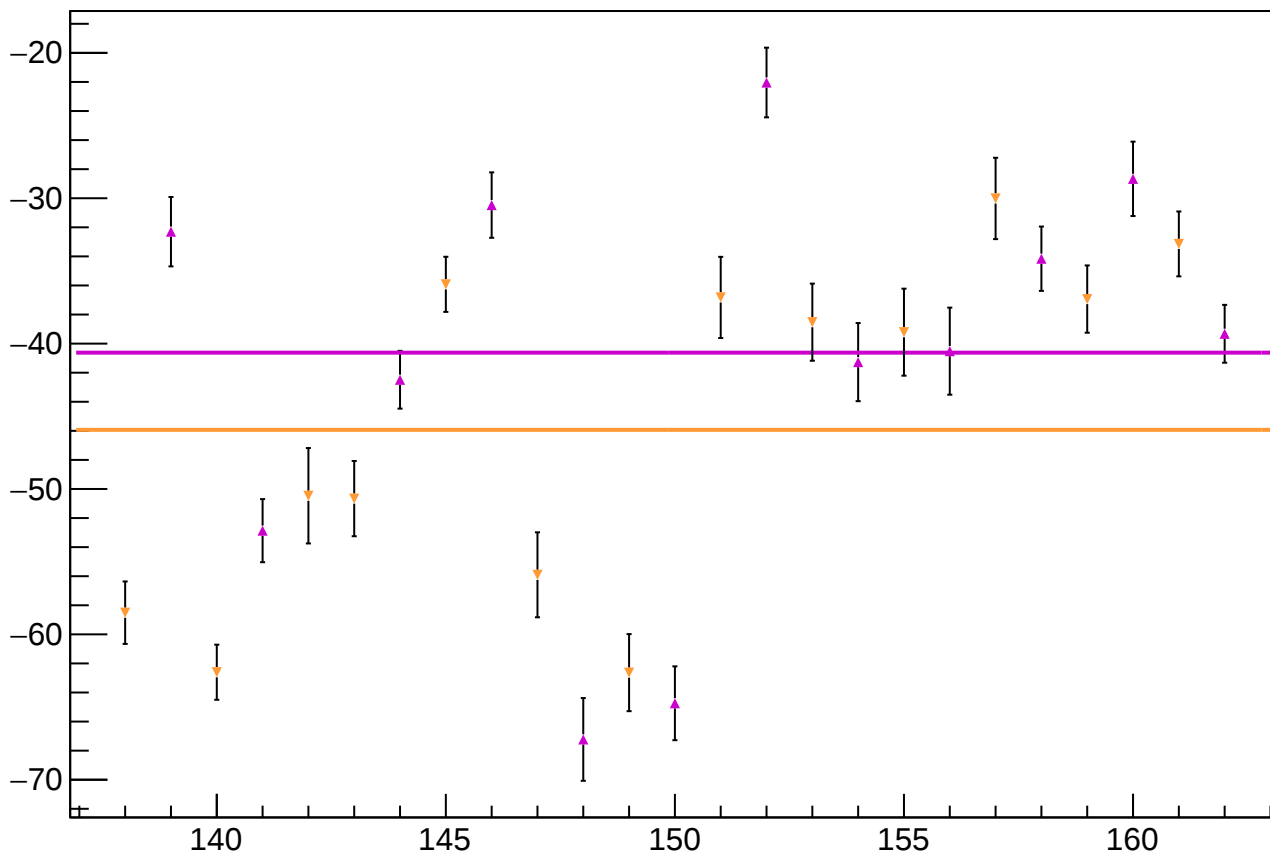
Left In: 0.459 ± 0.004 $\chi^2/\text{NDF}: 403.3/11$

+ sign 0.428 ± 0.004 $\chi^2/\text{NDF}: 1228.5/29$

All: 0.425 ± 0.003 $\chi^2/\text{NDF}: 3165.6/60$

- sign 0.422 ± 0.004 $\chi^2/\text{NDF}: 1935.8/30$

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -45.932+/-0.679 χ^2/NDF : 299.9/12

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

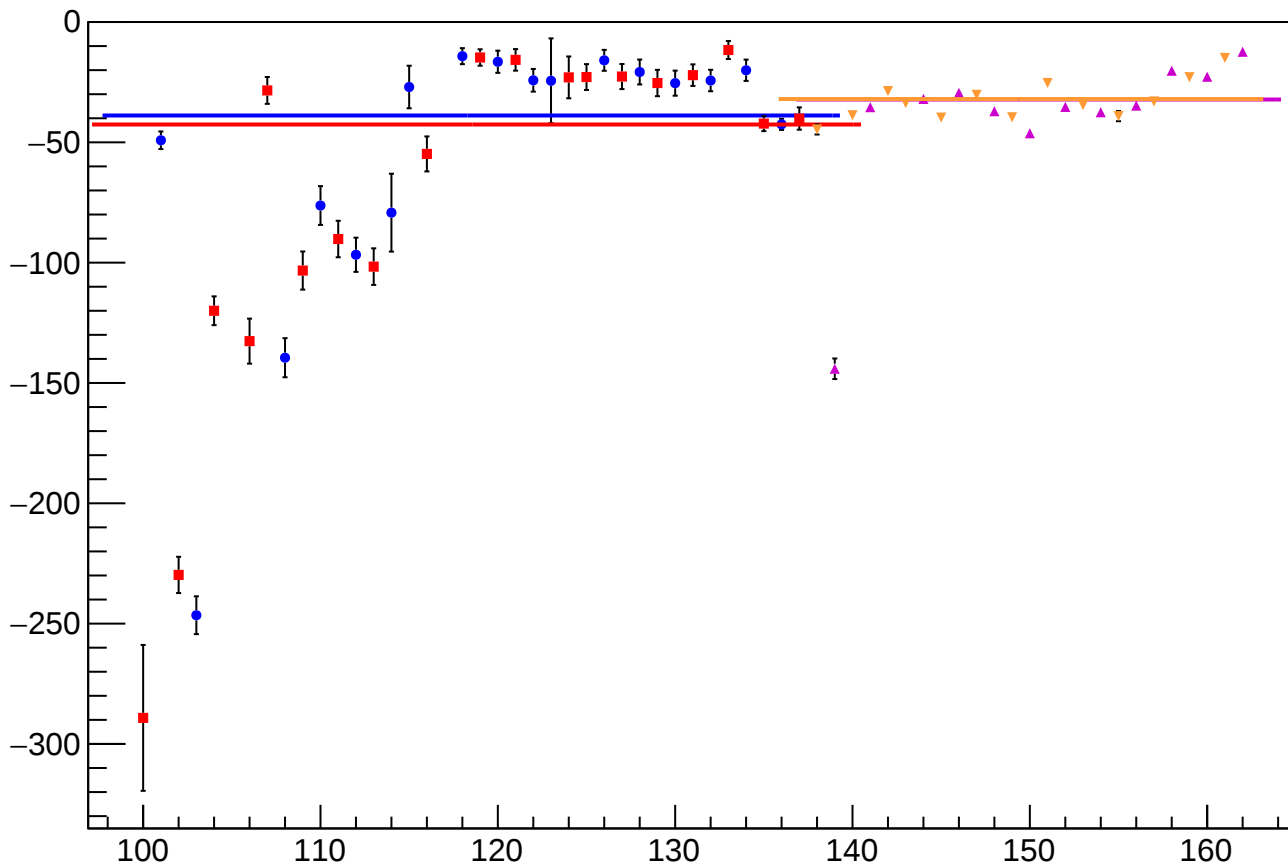
Left In: -40.622+/-0.682 χ^2/NDF : 333.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -43.290+/-0.481 χ^2/NDF : 664.2/24

- 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: -32.008 ± 0.474 χ^2/NDF : 287.2/12

Right Out: -42.586 ± 1.210 χ^2/NDF : 1345.7/18

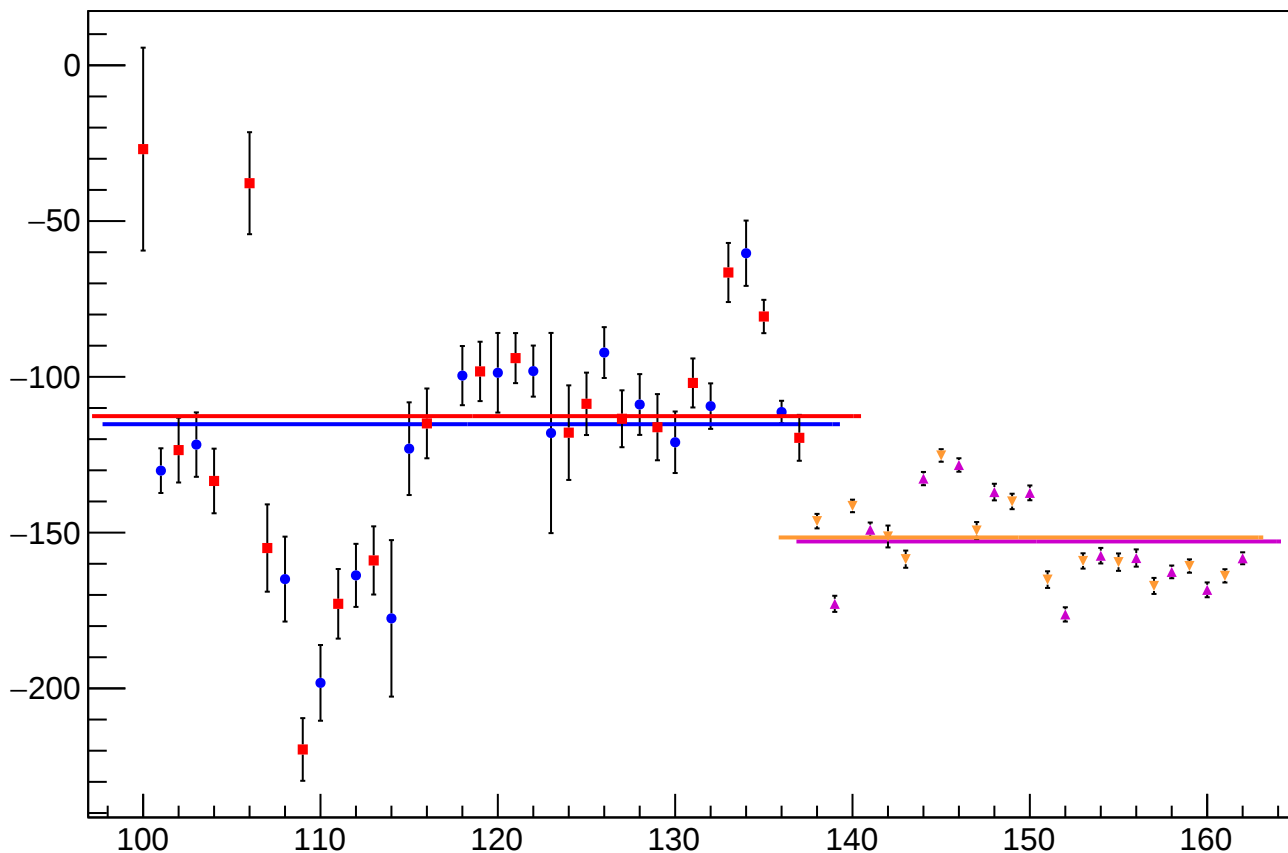
Left In: -32.206 ± 0.478 χ^2/NDF : 1031.8/11

+ sign -33.005 ± 0.438 χ^2/NDF : 1439.4/29

All: -33.302 ± 0.312 χ^2/NDF : 3881.4/60

- sign -33.609 ± 0.445 χ^2/NDF : 2441.1/30

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -151.551 ± 0.673 $\chi^2/\text{NDF}: 360.4/12$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

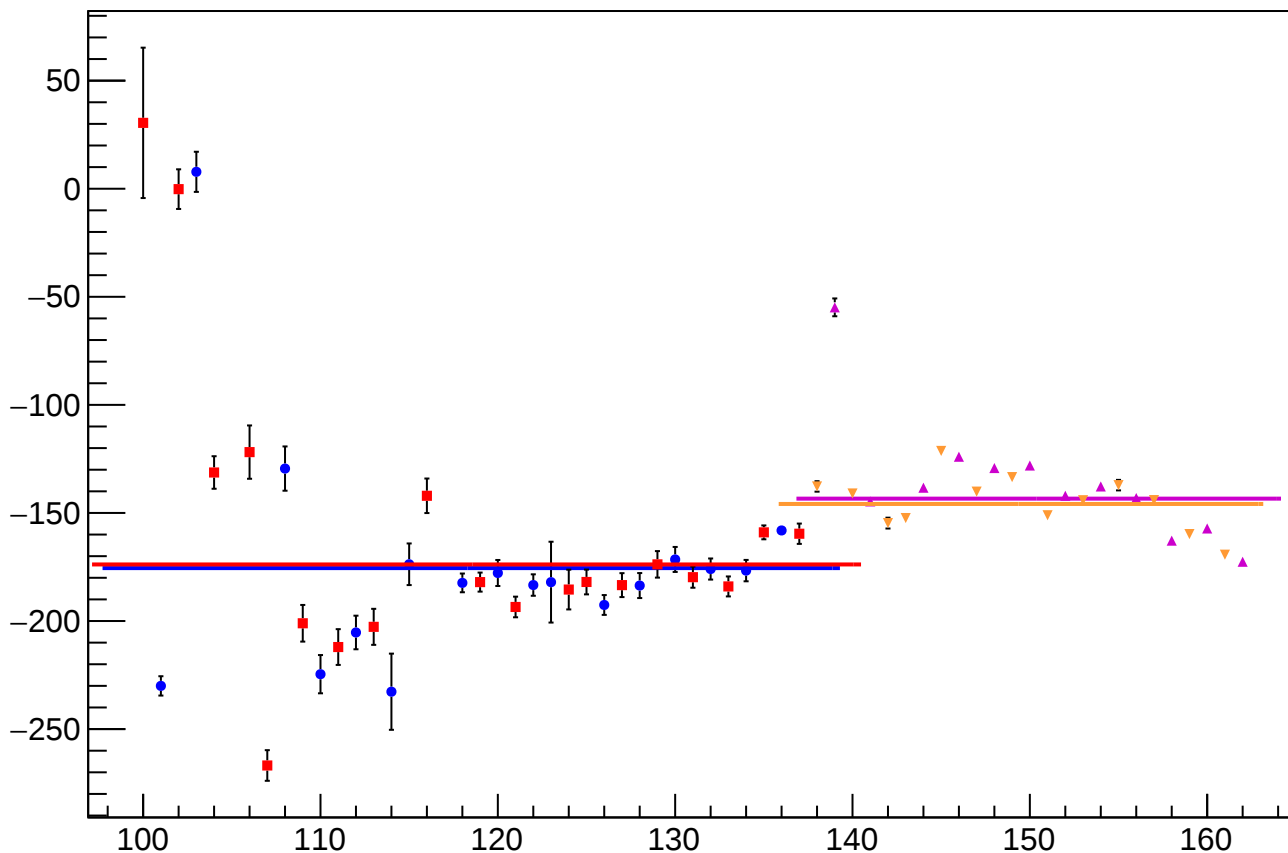
Left In: -152.835 ± 0.665 $\chi^2/\text{NDF}: 544.9/11$

+ sign -148.107 ± 0.641 $\chi^2/\text{NDF}: 777.3/29$

All: -148.803 ± 0.452 $\chi^2/\text{NDF}: 1900.8/60$

- sign -149.492 ± 0.637 $\chi^2/\text{NDF}: 1121.2/30$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 $\chi^2/\text{NDF}: 692.3/16$

Left Out: -145.846 ± 0.559 $\chi^2/\text{NDF}: 565.6/12$

Right Out: -173.830 ± 1.357 $\chi^2/\text{NDF}: 737.9/18$

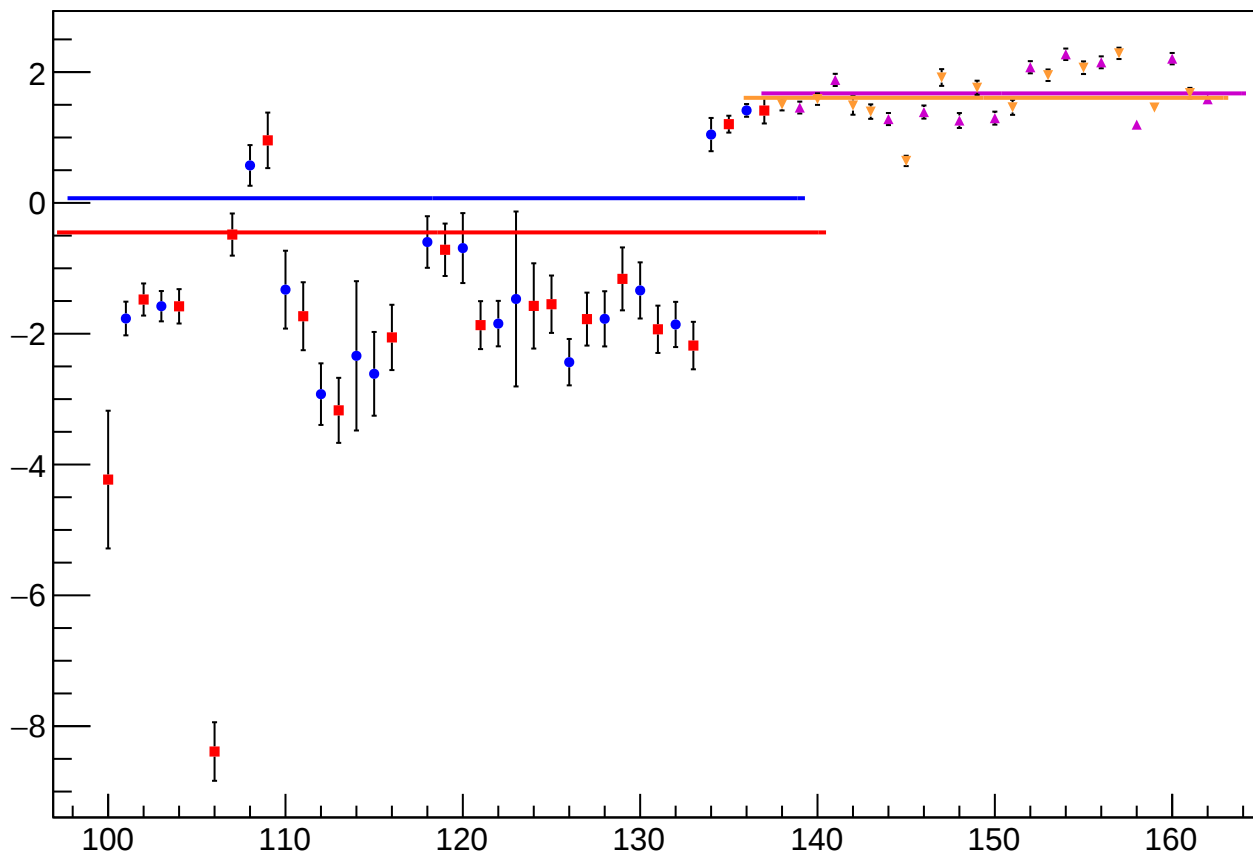
Left In: -143.380 ± 0.557 $\chi^2/\text{NDF}: 1228.6/11$

+ sign -150.615 ± 0.512 $\chi^2/\text{NDF}: 1711.1/29$

All: -149.202 ± 0.363 $\chi^2/\text{NDF}: 4124.0/60$

- sign -147.772 ± 0.515 $\chi^2/\text{NDF}: 2397.6/30$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.606 ± 0.026 χ^2/NDF : 267.8/12

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

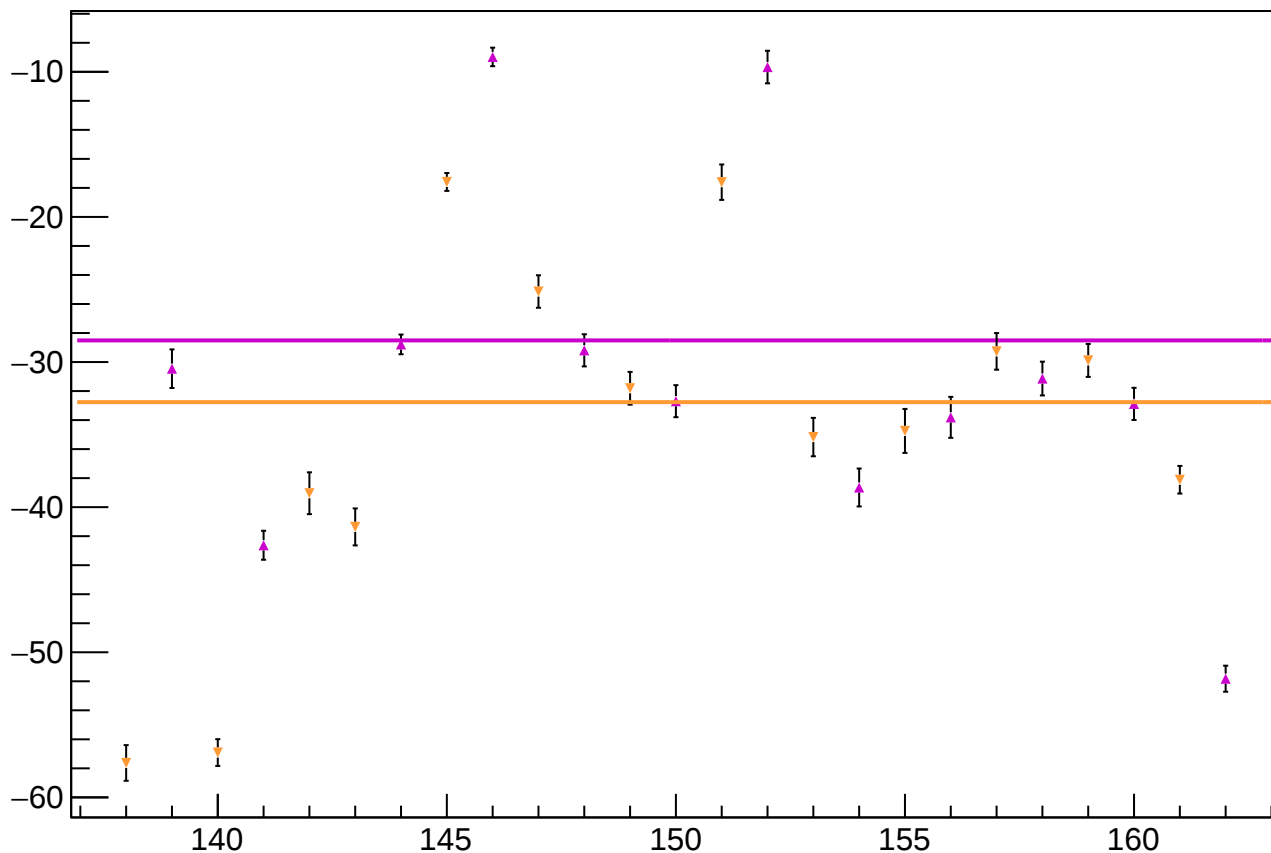
Left In: 1.674 ± 0.026 χ^2/NDF : 237.5/11

+ sign 1.404 ± 0.024 χ^2/NDF : 1246.4/29

All: 1.415 ± 0.017 χ^2/NDF : 3020.0/60

- sign 1.426 ± 0.024 χ^2/NDF : 1773.1/30

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -32.764 $\pm$ 0.297 χ^2/NDF : 2014.9/12

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

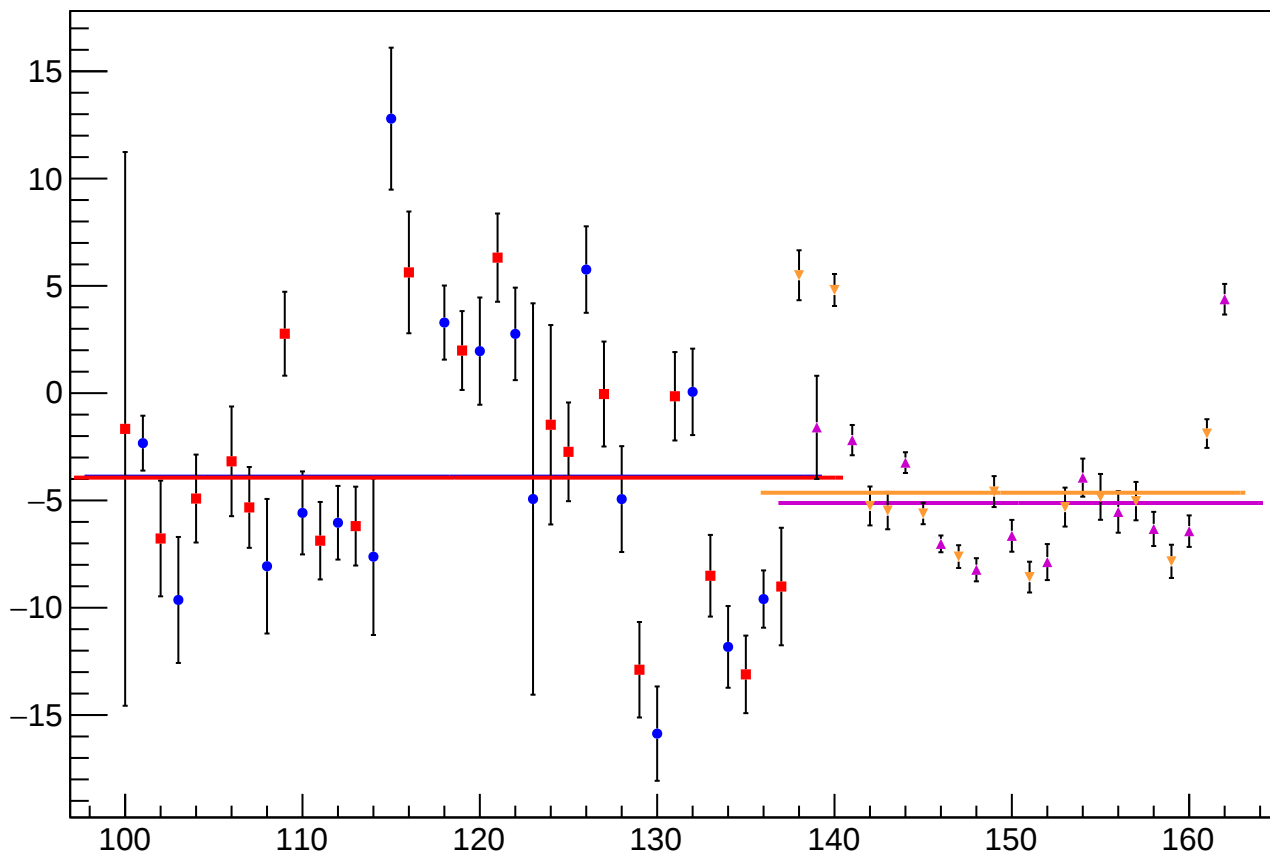
Left In: -28.508 $\pm$ 0.283 χ^2/NDF : 2204.8/11

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

All: -30.531 $\pm$ 0.205 χ^2/NDF : 4327.3/24

- sign 0.000 $\pm$ 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: -4.641 ± 0.205 $\chi^2/\text{NDF}: 338.0/12$

Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

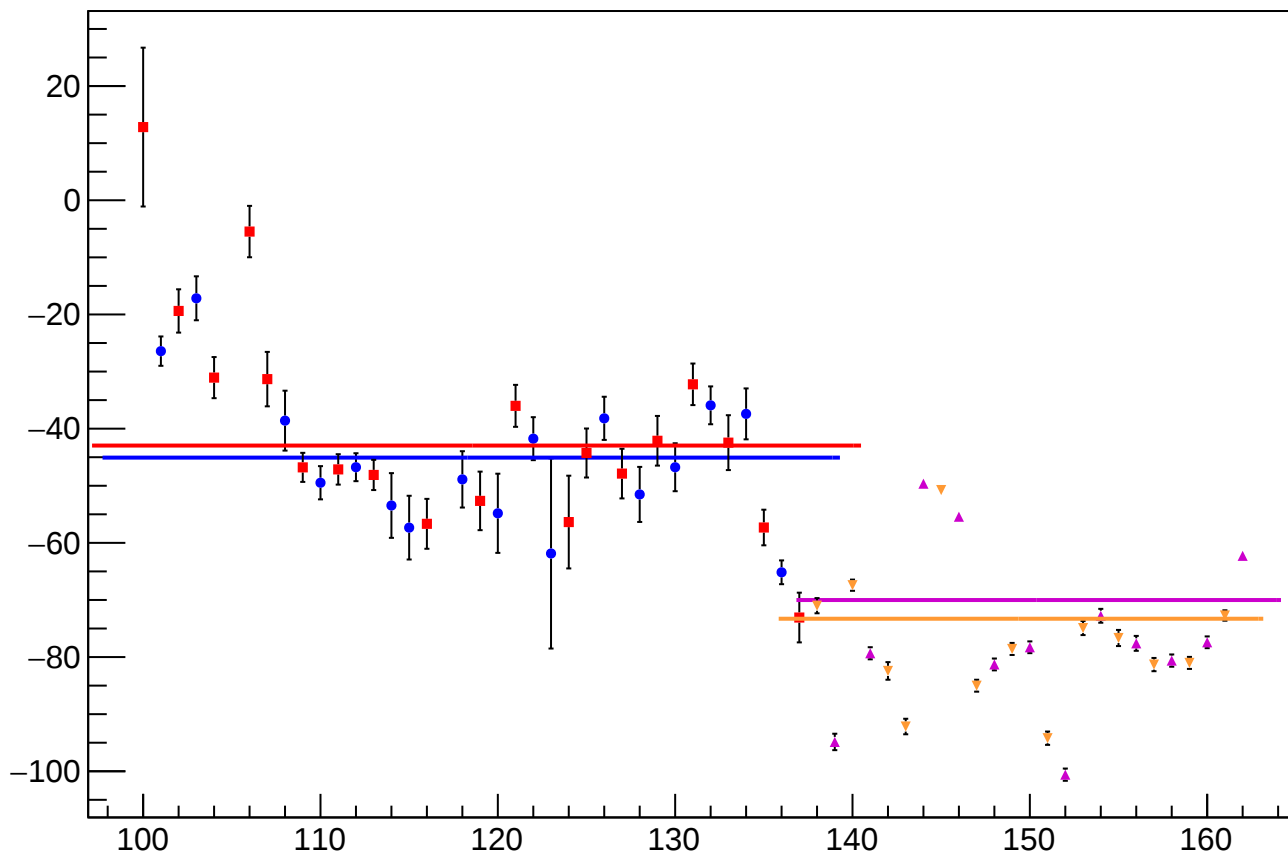
Left In: -5.119 ± 0.191 $\chi^2/\text{NDF}: 291.2/11$

+ sign -4.532 ± 0.190 $\chi^2/\text{NDF}: 500.4/29$

All: -4.765 ± 0.130 $\chi^2/\text{NDF}: 921.4/60$

- sign -4.972 ± 0.179 $\chi^2/\text{NDF}: 418.1/30$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -73.287 ± 0.296 χ^2/NDF : 2029.4/12

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

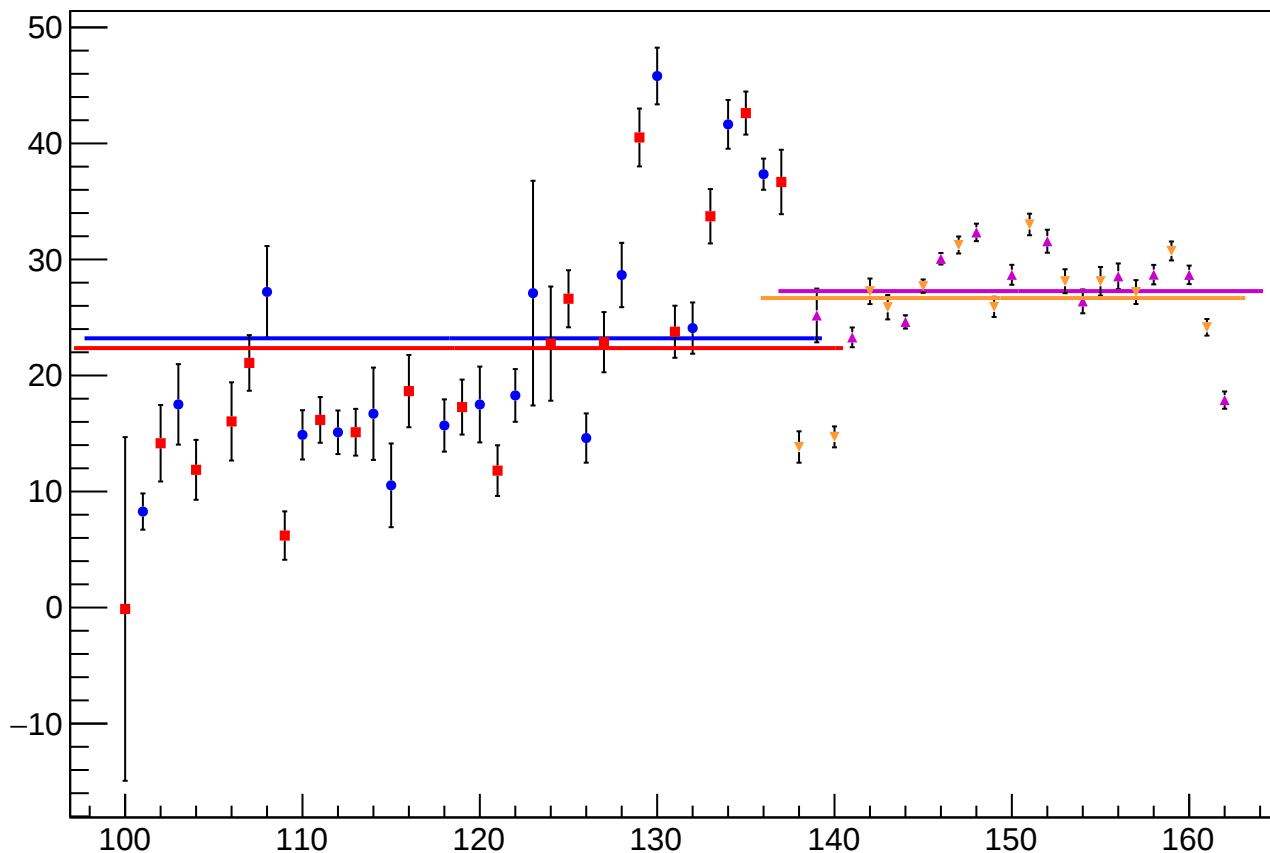
Left In: -70.012 ± 0.277 χ^2/NDF : 2987.5/11

+ sign -70.445 ± 0.280 χ^2/NDF : 3176.7/29

All: -68.919 ± 0.192 χ^2/NDF : 7332.3/60

- sign -67.567 ± 0.264 χ^2/NDF : 4099.7/30

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 26.674 $\pm$ 0.243 χ^2 /NDF: 397.2/12

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

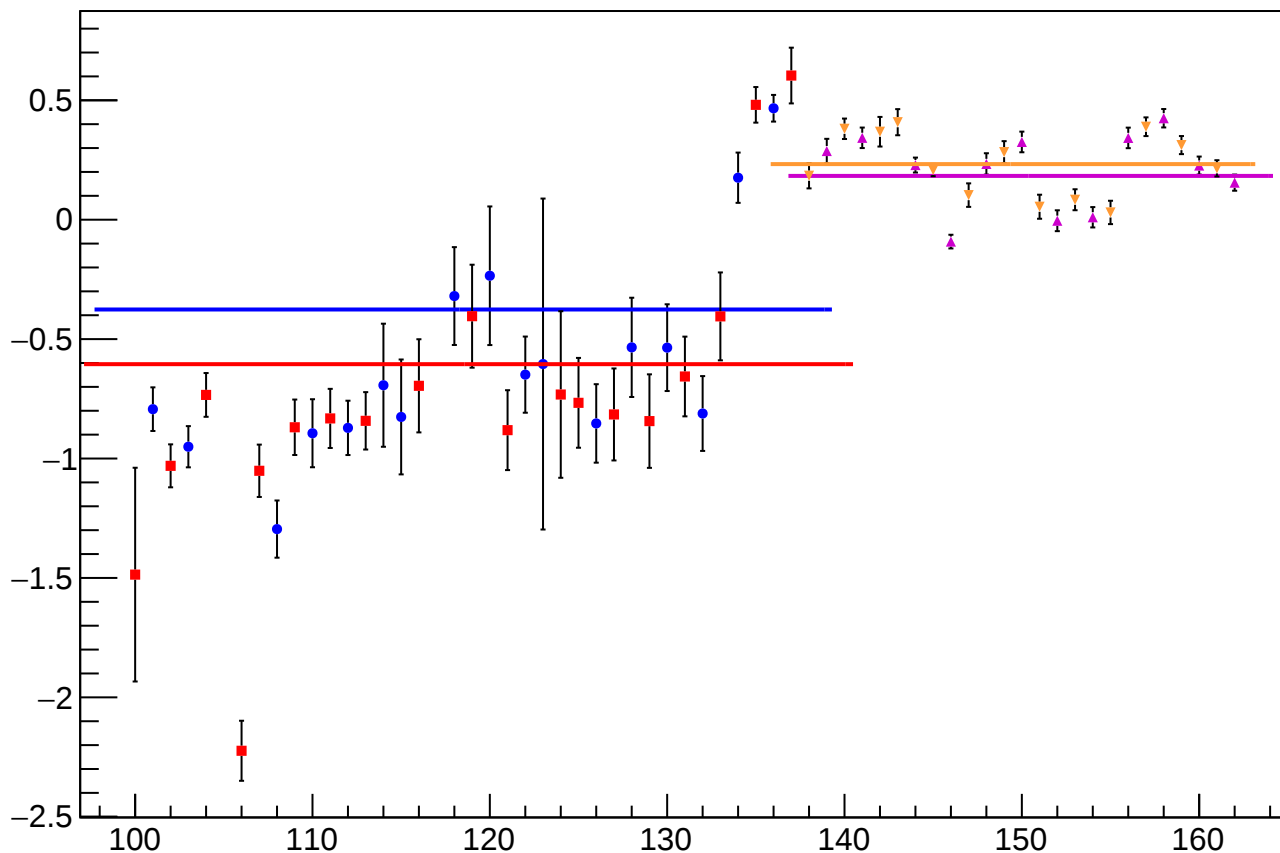
Left In: 27.274 $\pm$ 0.227 χ^2 /NDF: 309.7/11

+ sign 26.121 $\pm$ 0.223 χ^2 /NDF: 886.8/29

All: 26.376 $\pm$ 0.153 χ^2 /NDF: 1629.5/60

- sign 26.605 $\pm$ 0.211 χ^2 /NDF: 740.1/30

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.233 ± 0.012 $\chi^2/\text{NDF}: 98.9/12$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

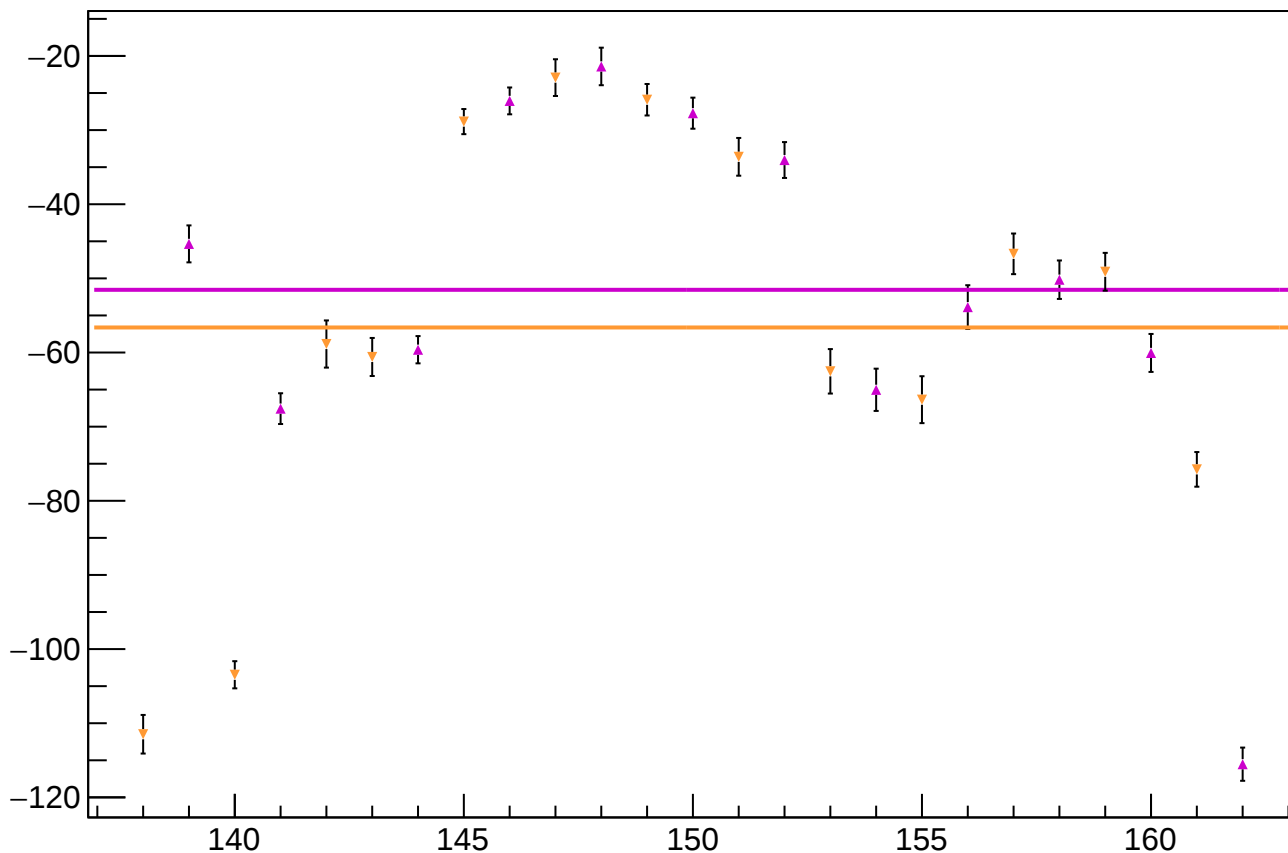
Left In: 0.183 ± 0.011 $\chi^2/\text{NDF}: 214.1/11$

+ sign 0.154 ± 0.011 $\chi^2/\text{NDF}: 891.9/29$

All: 0.121 ± 0.008 $\chi^2/\text{NDF}: 2274.8/60$

- sign 0.089 ± 0.010 $\chi^2/\text{NDF}: 1364.2/30$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -56.622+/-0.665 χ^2/NDF :1946.4/12

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

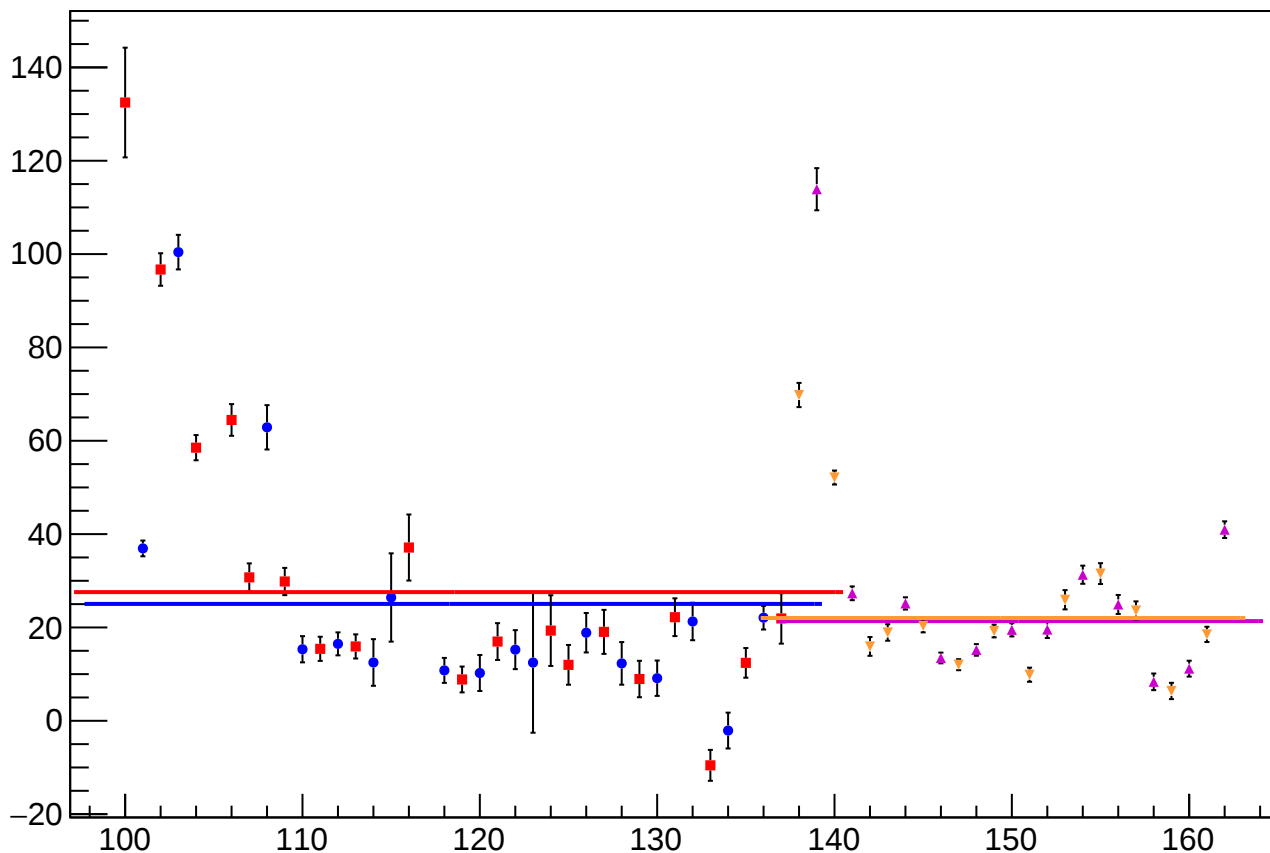
Left In: -51.543+/-0.661 χ^2/NDF :1457.1/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -54.069+/-0.469 χ^2/NDF : 3432.9/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16

Left Out: 22.023 ± 0.458 χ^2/NDF : 1003.7/12

Right Out: 27.573 ± 0.810 χ^2/NDF : 1012.8/18

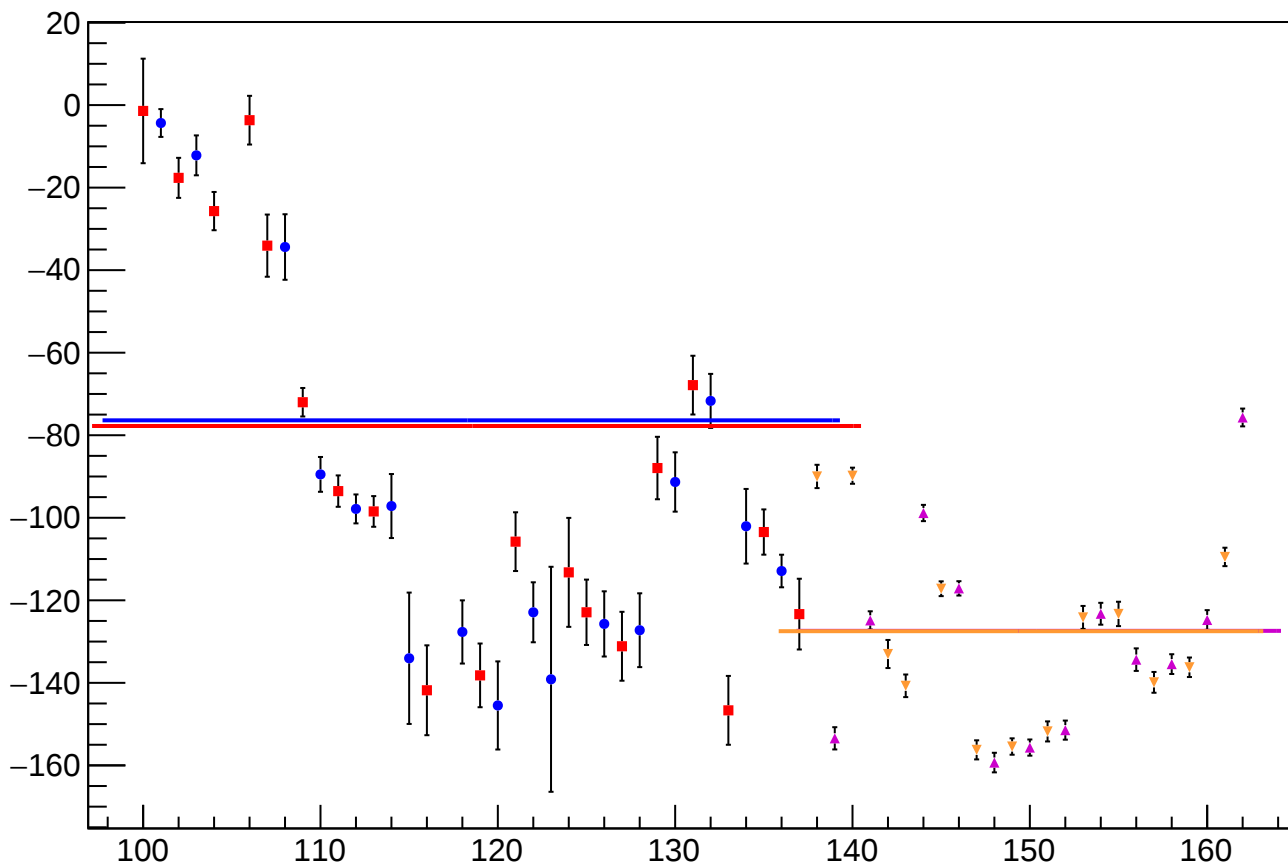
Left In: 21.361 ± 0.458 χ^2/NDF : 757.1/11

+ sign 22.761 ± 0.398 χ^2/NDF : 1700.8/29

All: 22.814 ± 0.282 χ^2/NDF : 3515.3/60

- sign 22.867 ± 0.399 χ^2/NDF : 1814.5/30

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -127.483 ± 0.658 $\chi^2/\text{NDF}: 1166.3/12$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

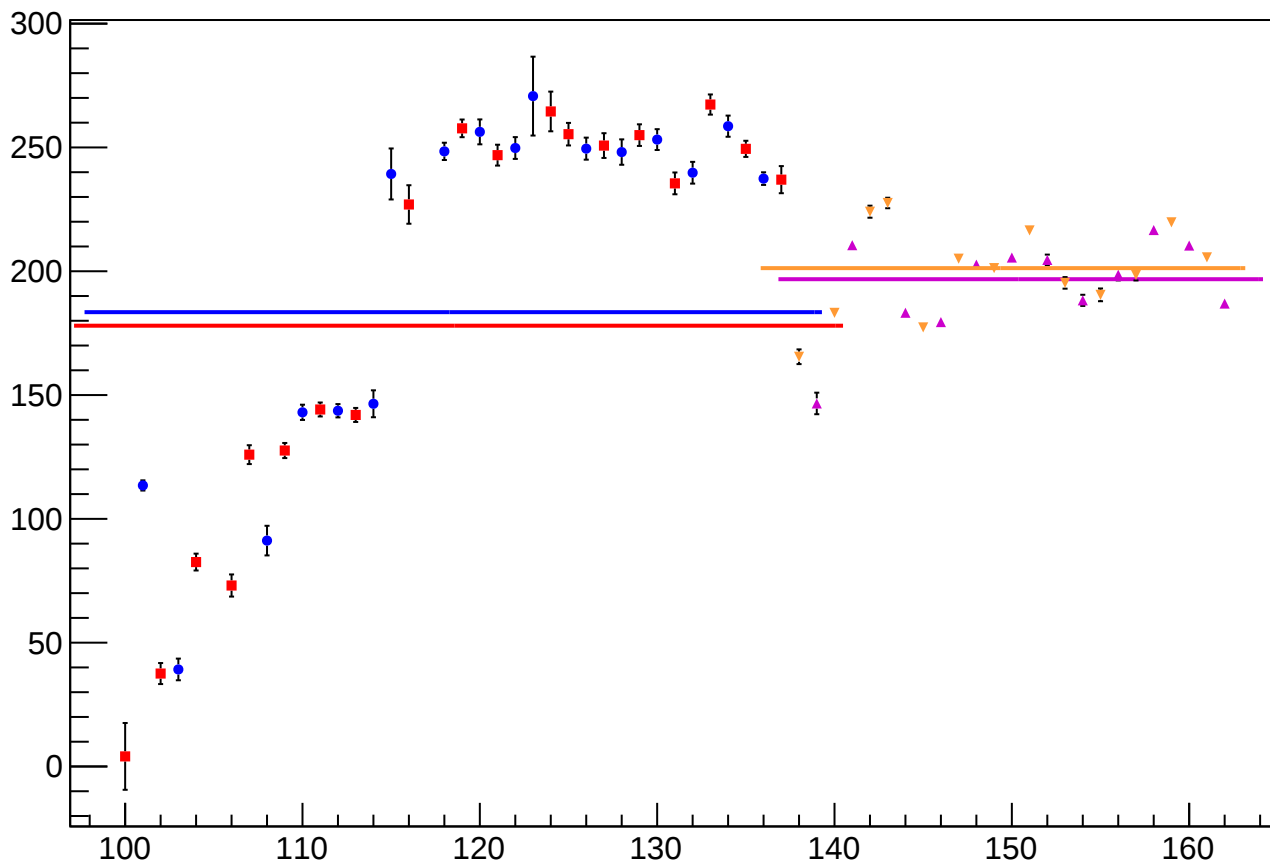
Left In: -127.401 ± 0.646 $\chi^2/\text{NDF}: 1433.2/11$

+ sign -118.410 ± 0.597 $\chi^2/\text{NDF}: 3268.5/29$

All: -118.297 ± 0.417 $\chi^2/\text{NDF}: 6671.0/60$

- sign -118.189 ± 0.583 $\chi^2/\text{NDF}: 3402.4/30$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 ± 0.919 $\chi^2/\text{NDF}: 5331.4/16$

Left Out: 201.259 ± 0.545 $\chi^2/\text{NDF}: 908.8/12$

Right Out: 178.011 ± 0.924 $\chi^2/\text{NDF}: 6345.7/18$

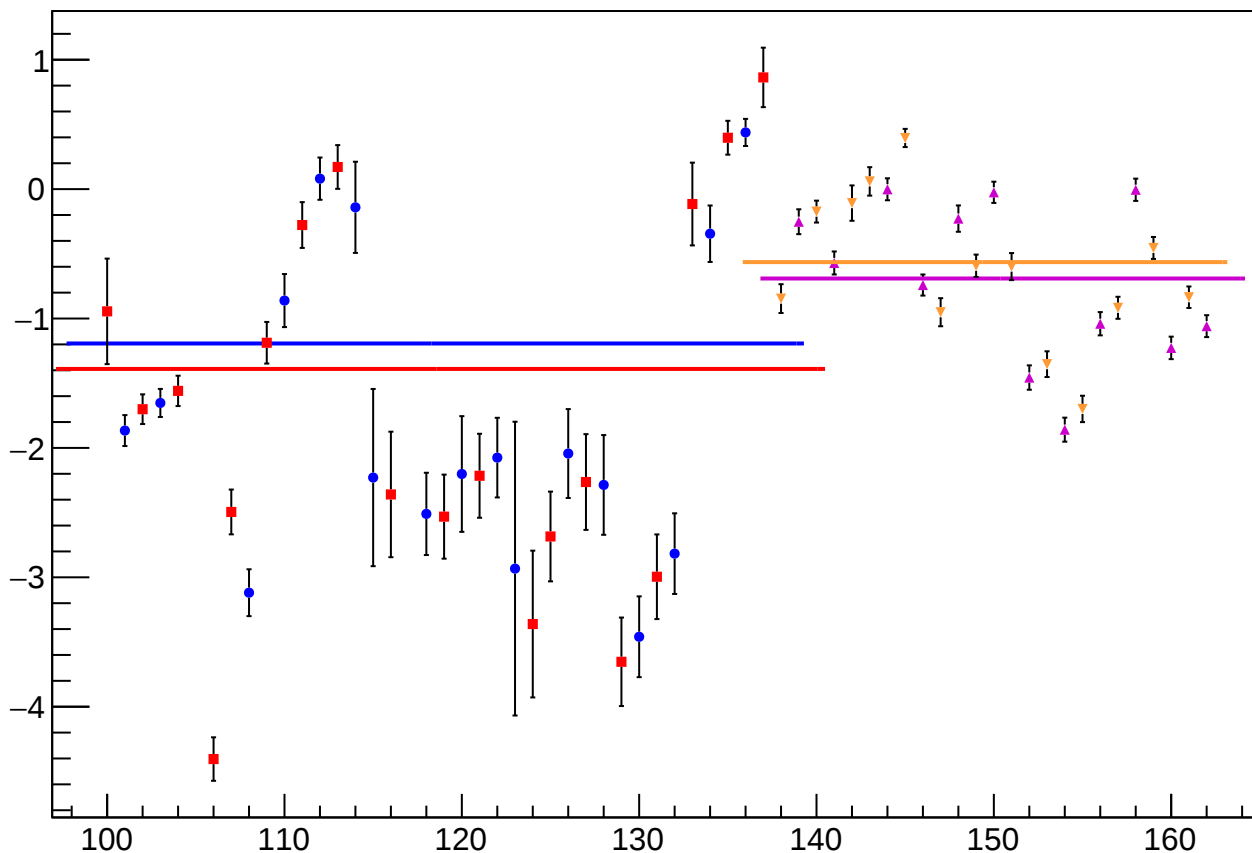
Left In: 196.787 ± 0.539 $\chi^2/\text{NDF}: 676.8/11$

+ sign 196.632 ± 0.469 $\chi^2/\text{NDF}: 6517.4/29$

All: 194.310 ± 0.330 $\chi^2/\text{NDF}: 13896.7/60$

- sign 192.019 ± 0.466 $\chi^2/\text{NDF}: 7330.6/30$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.564 ± 0.026 χ^2/NDF : 486.4/12

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

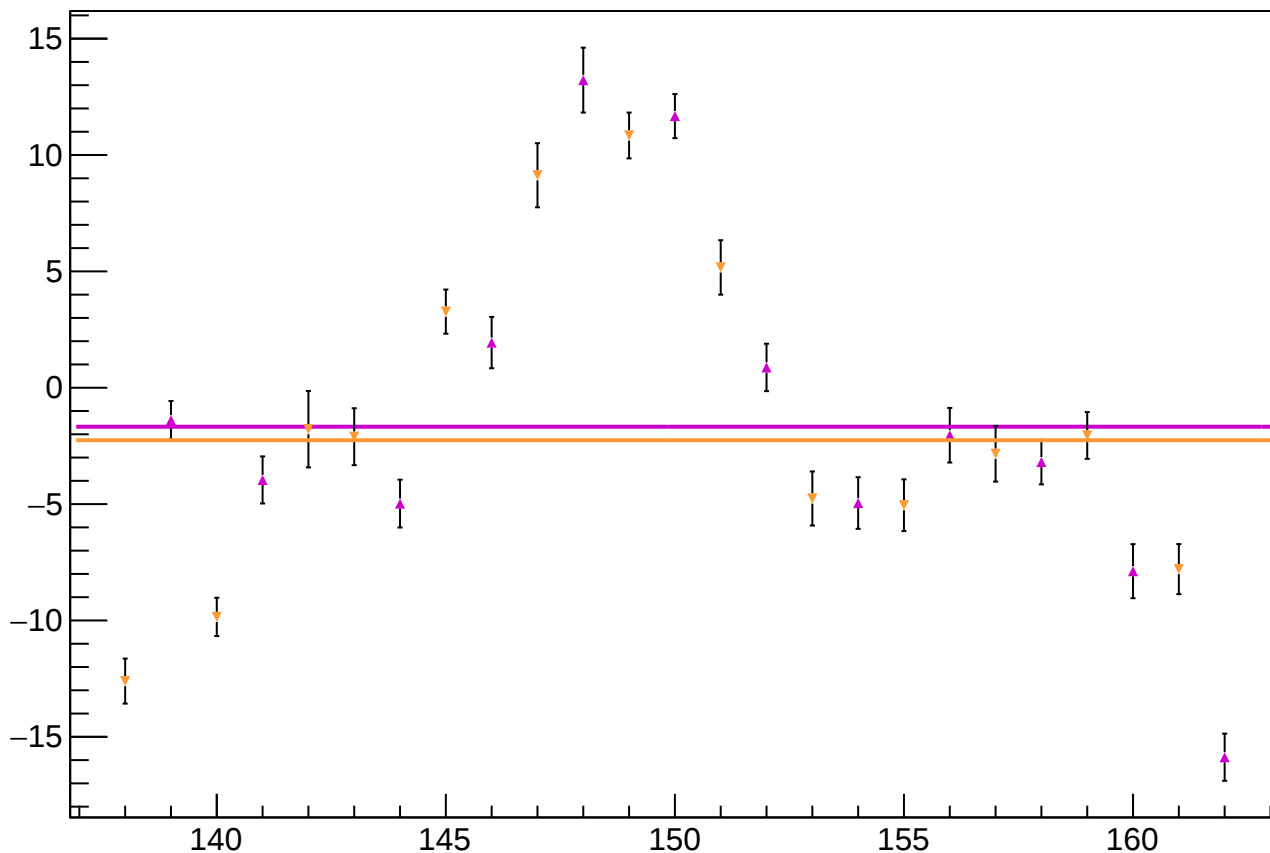
Left In: -0.691 ± 0.026 χ^2/NDF : 535.6/11

+ sign -0.705 ± 0.023 χ^2/NDF : 1240.2/29

All: -0.783 ± 0.016 χ^2/NDF : 2896.2/60

- sign -0.857 ± 0.022 χ^2/NDF : 1633.4/30

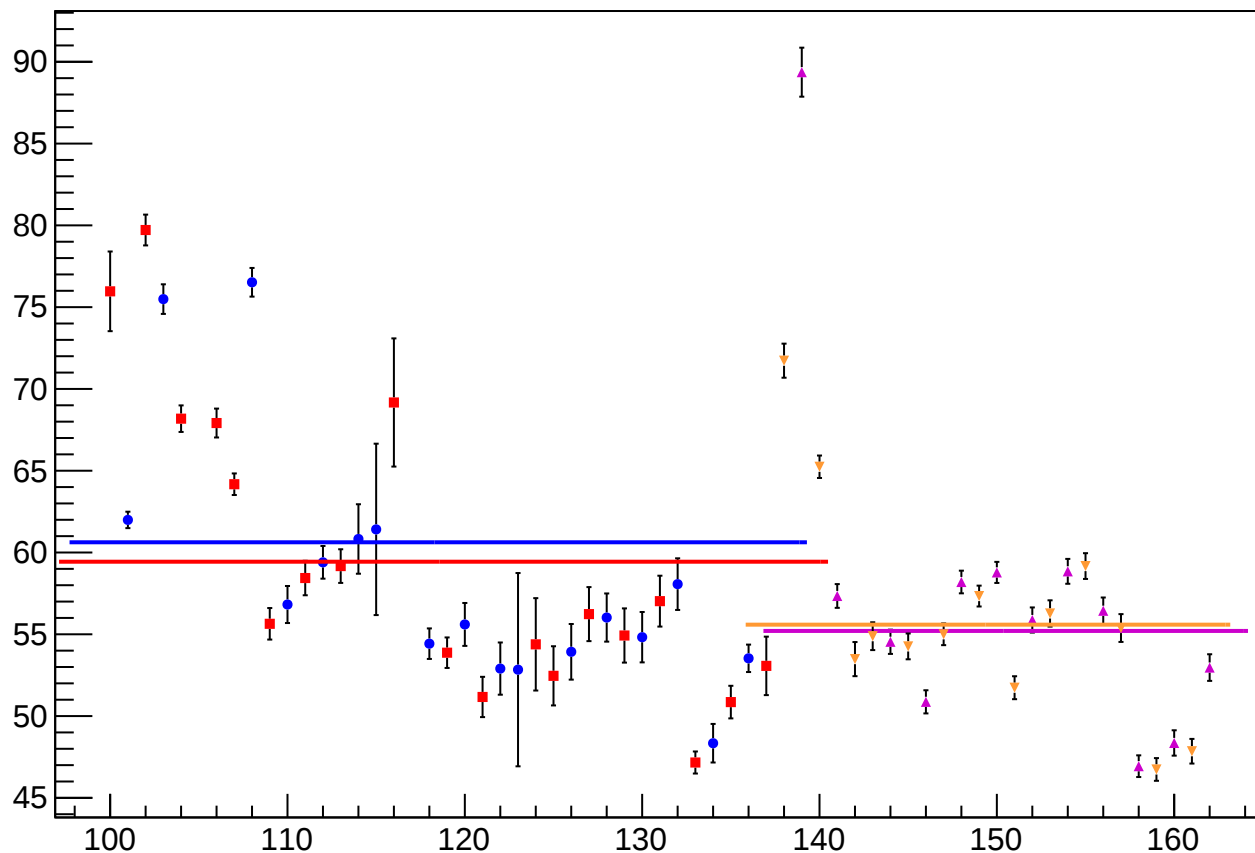
reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.255+/-0.300 χ^2/NDF : 557.0/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.675+/-0.300 χ^2/NDF : 581.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -1.964+/-0.212 χ^2/NDF : 1140.3/24
 - 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: 55.589 $\pm$ 0.213 χ^2 /NDF: 773.9/12

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

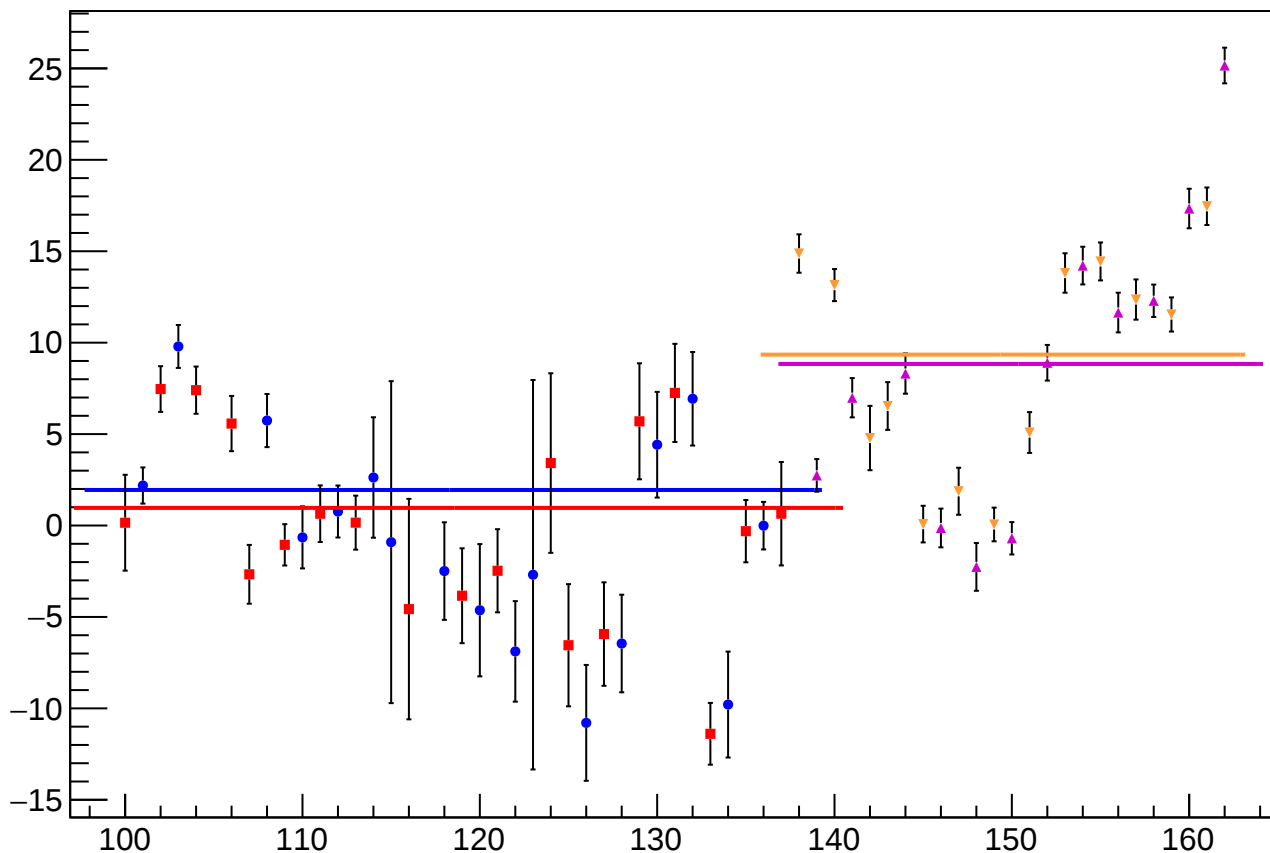
Left In: 55.205 $\pm$ 0.218 χ^2 /NDF: 883.6/11

+ sign 57.580 $\pm$ 0.165 χ^2 /NDF: 1920.1/29

All: 57.313 $\pm$ 0.116 χ^2 /NDF: 4296.8/60

- sign 57.051 $\pm$ 0.164 χ^2 /NDF: 2371.5/30

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 9.347 ± 0.296 χ^2/NDF : 410.6/12

Right Out: 0.964 ± 0.424 χ^2/NDF : 149.5/18

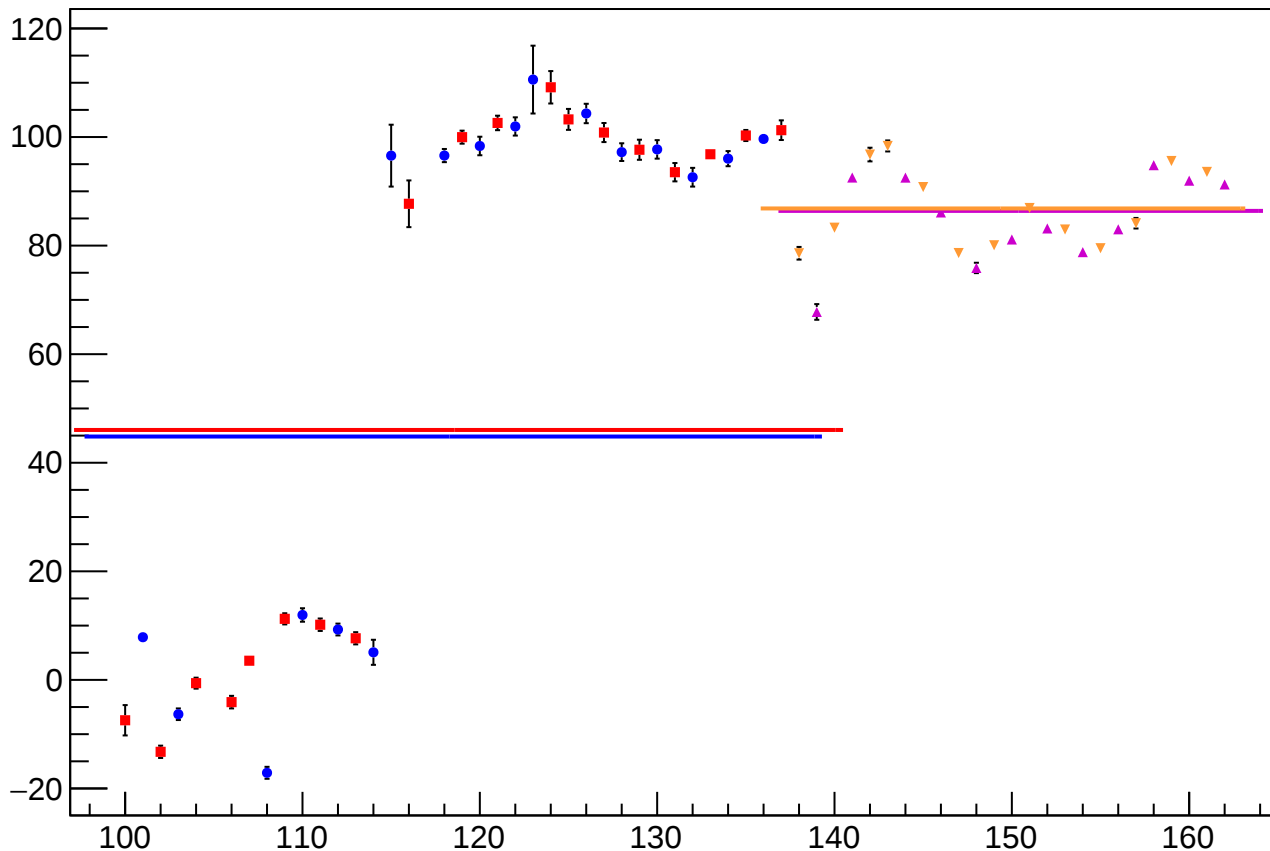
Left In: 8.837 ± 0.292 χ^2/NDF : 700.5/11

+ sign 7.172 ± 0.249 χ^2/NDF : 715.0/29

All: 6.725 ± 0.173 χ^2/NDF : 1804.7/60

- sign 6.305 ± 0.241 χ^2/NDF : 1083.5/30

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 86.843 $\pm$ 0.249 χ^2 /NDF: 743.5/12

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

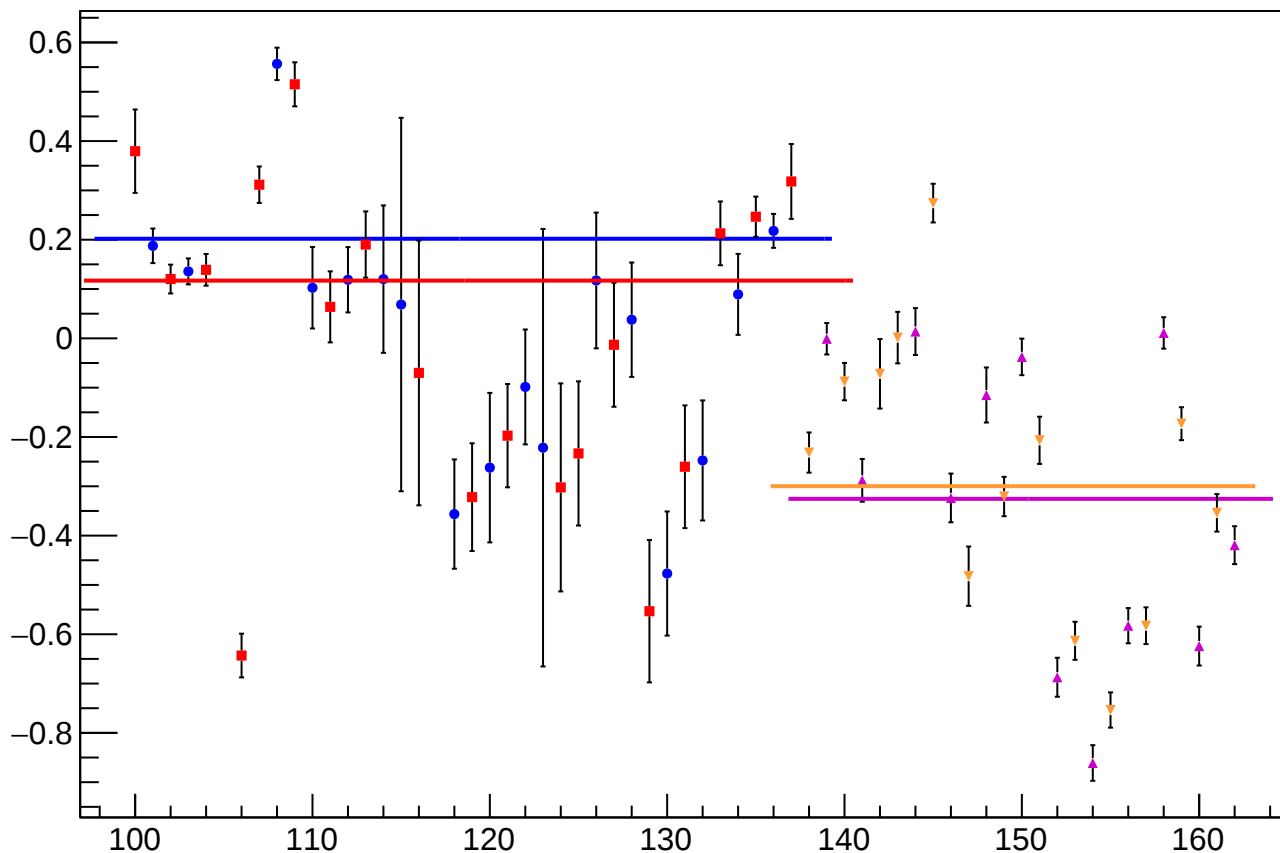
Left In: 86.395 $\pm$ 0.251 χ^2 /NDF: 760.0/11

+ sign 70.008 $\pm$ 0.193 χ^2 /NDF: 36904.2/29

All: 69.535 $\pm$ 0.135 χ^2 /NDF: 77034.9/60

- sign 69.079 $\pm$ 0.190 χ^2 /NDF: 40118.9/30

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.300 ± 0.011 χ^2/NDF : 606.7/12

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

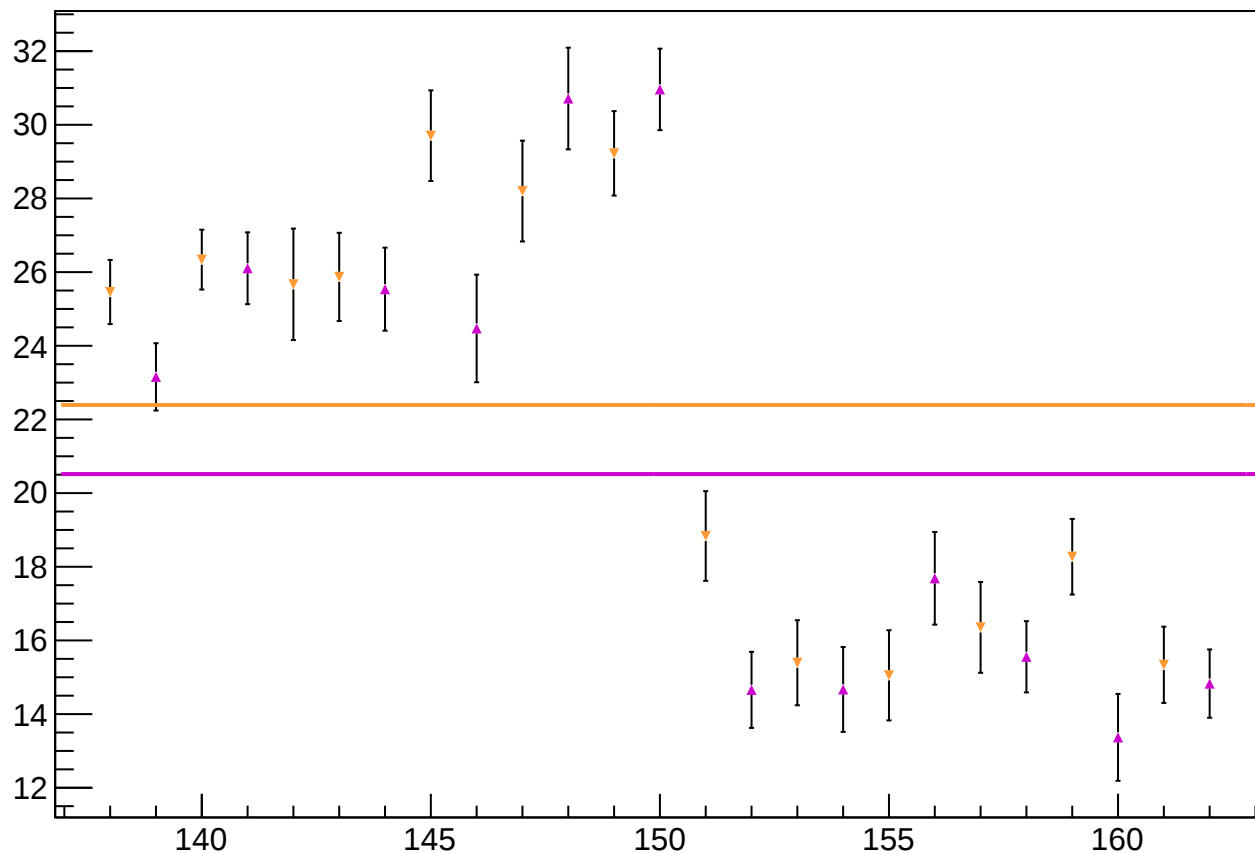
Left In: -0.325 ± 0.011 χ^2/NDF : 760.6/11

+ sign -0.099 ± 0.009 χ^2/NDF : 1588.6/29

All: -0.119 ± 0.006 χ^2/NDF : 3519.3/60

- sign -0.137 ± 0.009 χ^2/NDF : 1921.6/30

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 22.393+/-0.308 χ^2/NDF : 305.7/12

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

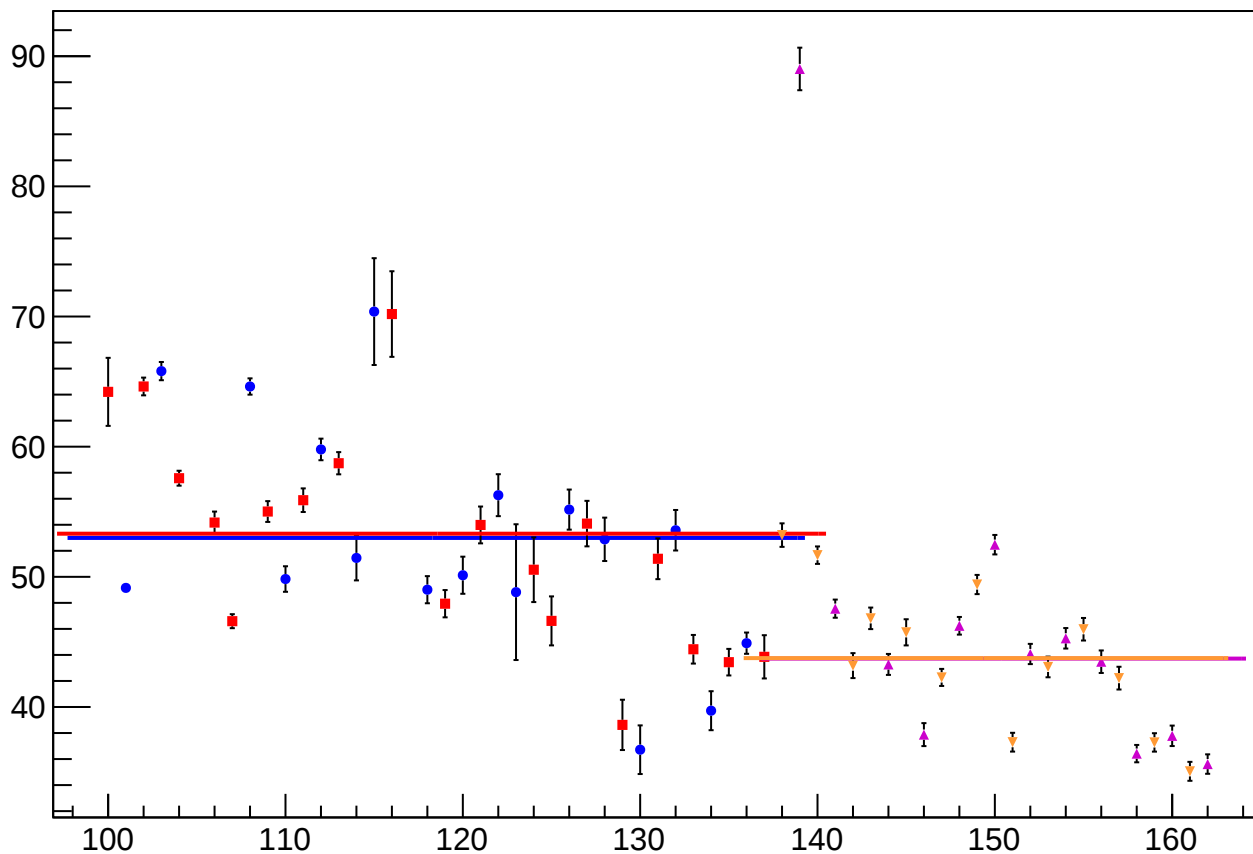
Left In: 20.517+/-0.314 χ^2/NDF : 375.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21.475+/-0.220 χ^2/NDF : 699.6/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 ± 0.211 $\chi^2/\text{NDF}: 1198.0/16$

Left Out: 43.755 ± 0.217 $\chi^2/\text{NDF}: 647.9/12$

Right Out: 53.315 ± 0.227 $\chi^2/\text{NDF}: 875.6/18$

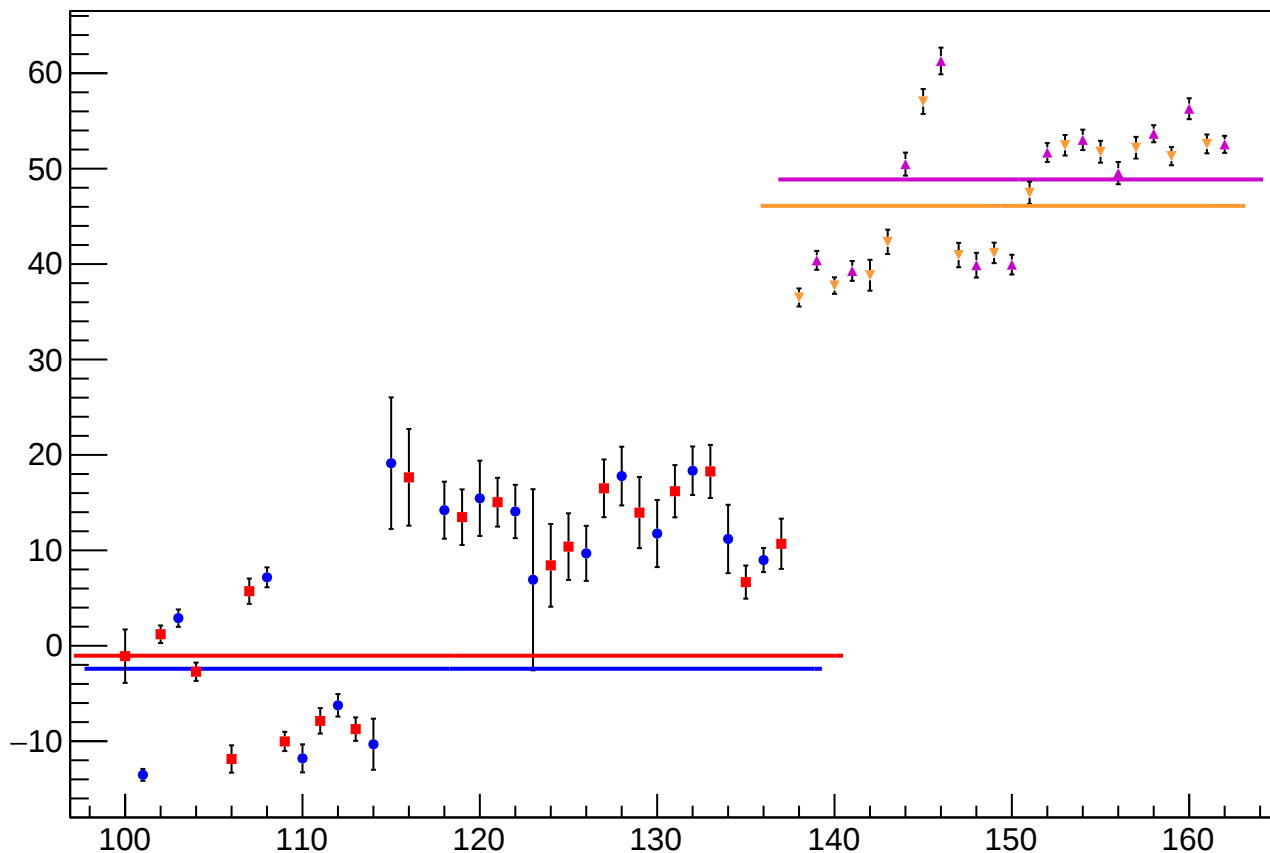
Left In: 43.718 ± 0.227 $\chi^2/\text{NDF}: 1291.6/11$

+ sign 48.510 ± 0.151 $\chi^2/\text{NDF}: 2776.0/29$

All: 48.512 ± 0.110 $\chi^2/\text{NDF}: 5839.2/60$

- sign 48.515 ± 0.160 $\chi^2/\text{NDF}: 3063.2/30$

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 46.099 ± 0.304 χ^2/NDF : 496.0/12

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

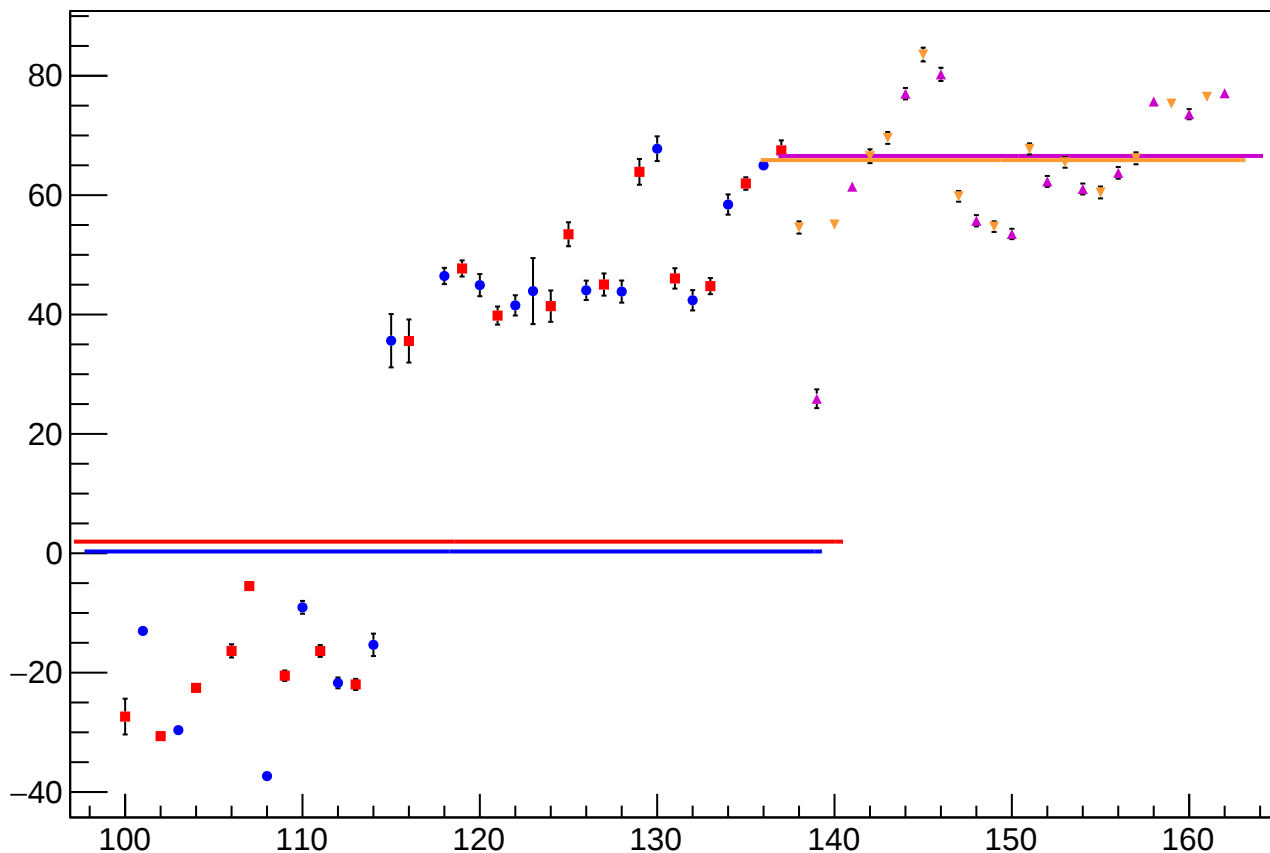
Left In: 48.866 ± 0.306 χ^2/NDF : 477.1/11

+ sign 26.161 ± 0.234 χ^2/NDF : 11772.0/29

All: 27.563 ± 0.167 χ^2/NDF : 23380.5/60

- sign 29.017 ± 0.238 χ^2/NDF : 11535.0/30

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 65.870 ± 0.255 χ^2/NDF : 1133.9/12

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

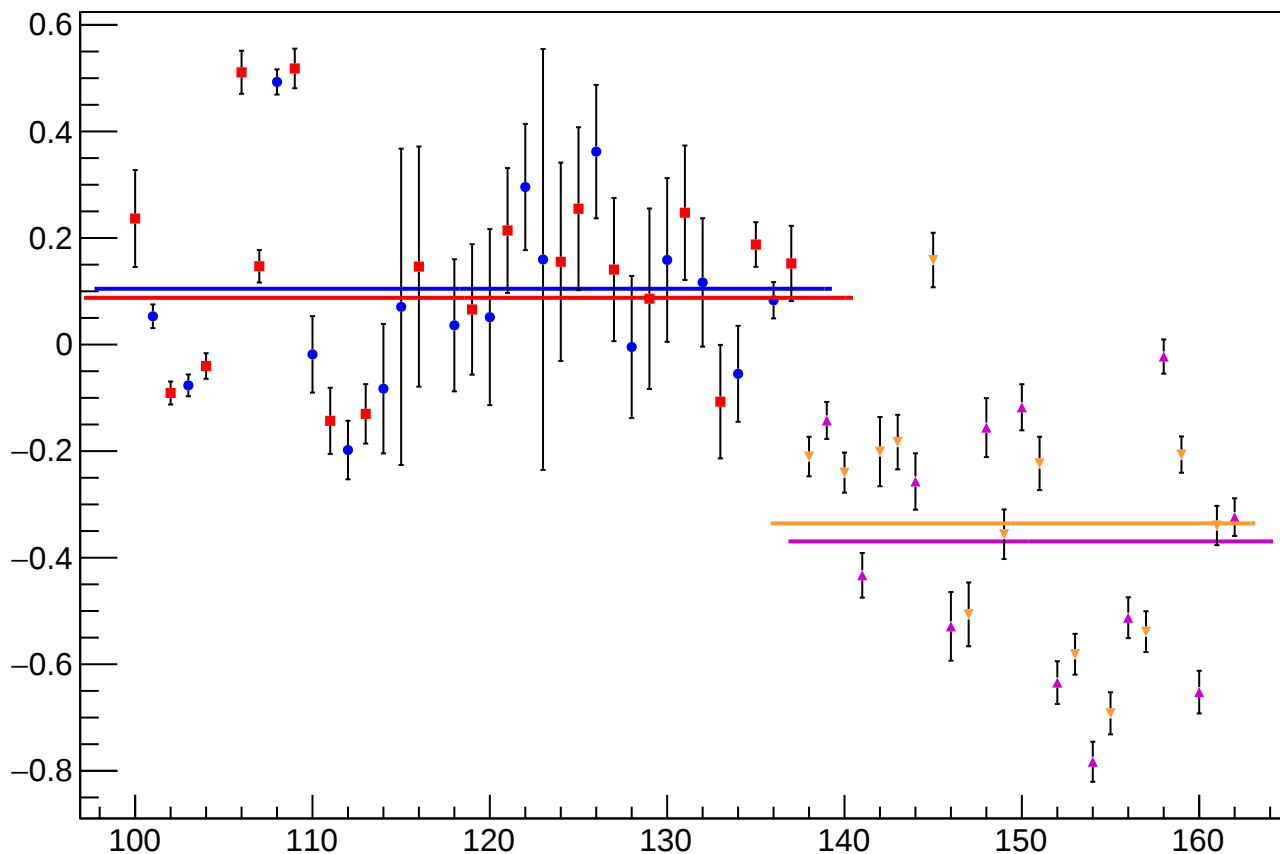
Left In: 66.572 ± 0.261 χ^2/NDF : 1823.6/11

+ sign 32.079 ± 0.178 χ^2/NDF : 53433.2/29

All: 33.446 ± 0.129 χ^2/NDF : 100829.5/60

- sign 34.954 ± 0.187 χ^2/NDF : 47271.8/30

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.336 ± 0.012 $\chi^2/\text{NDF}: 302.9/12$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

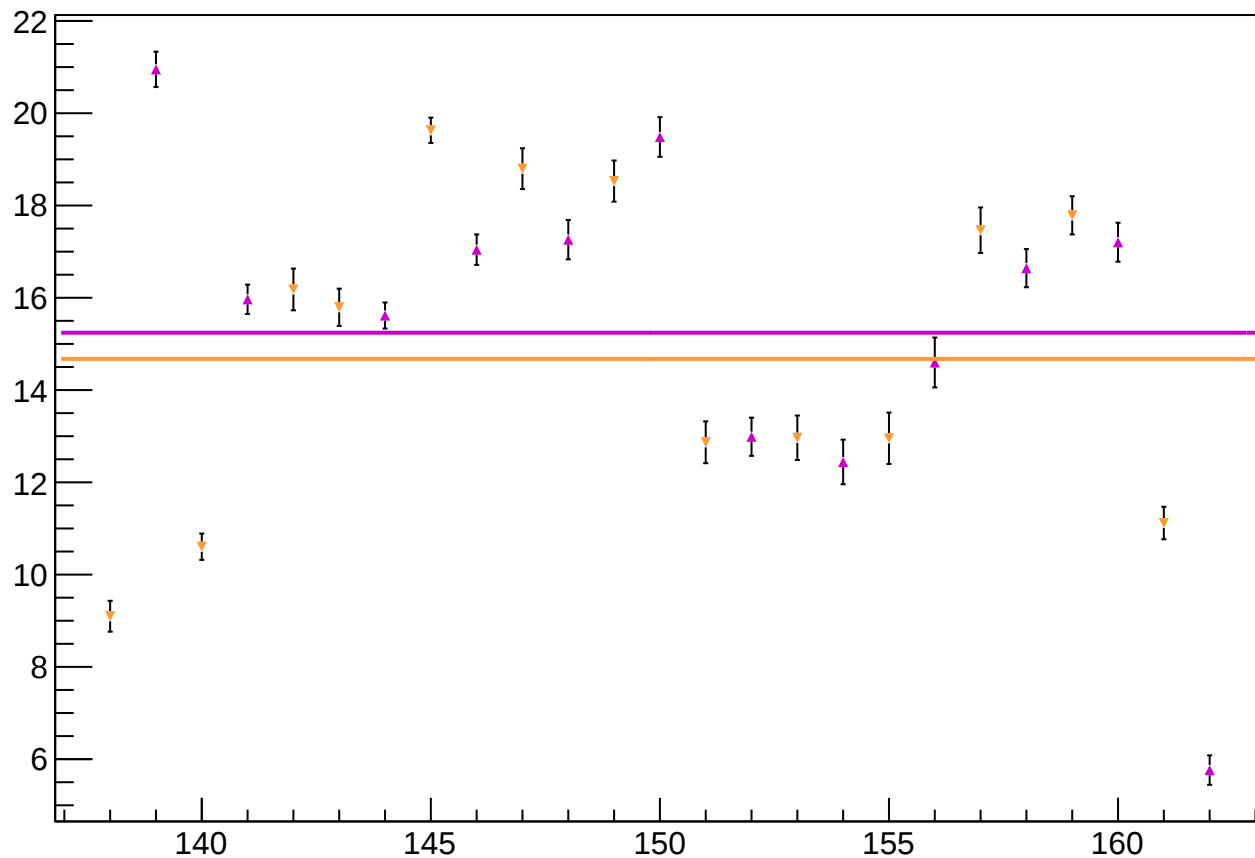
Left In: -0.369 ± 0.012 $\chi^2/\text{NDF}: 451.5/11$

+ sign -0.101 ± 0.008 $\chi^2/\text{NDF}: 1446.2/29$

All: -0.114 ± 0.006 $\chi^2/\text{NDF}: 3100.9/60$

- sign -0.126 ± 0.008 $\chi^2/\text{NDF}: 1649.6/30$

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 14.676+/-0.108 χ^2/NDF :1216.9/12

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

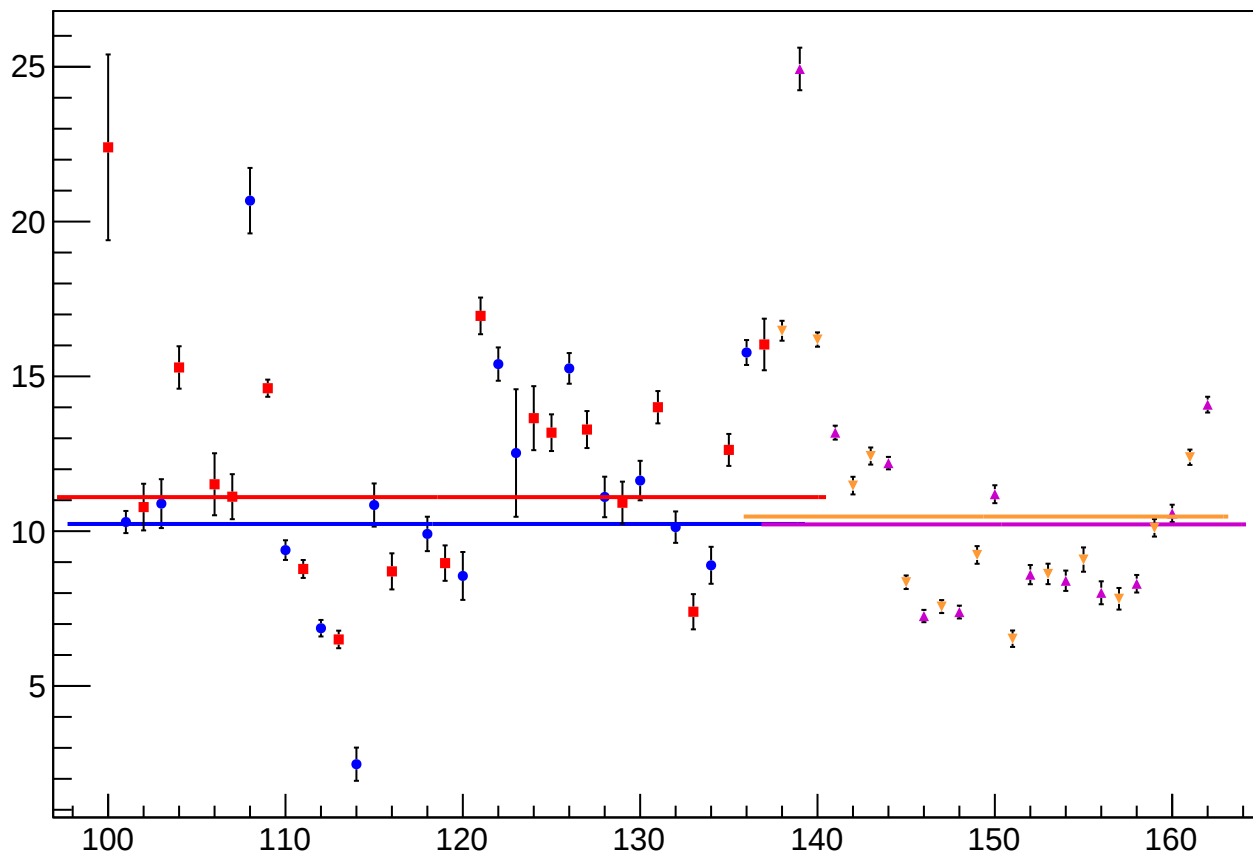
Left In: 15.243+/-0.109 χ^2/NDF :1356.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 14.956+/-0.077 χ^2/NDF : 2586.9/24

- 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: 10.472 ± 0.075 χ^2/NDF : 1709.9/12

Right Out: 11.100 ± 0.116 χ^2/NDF : 817.8/18

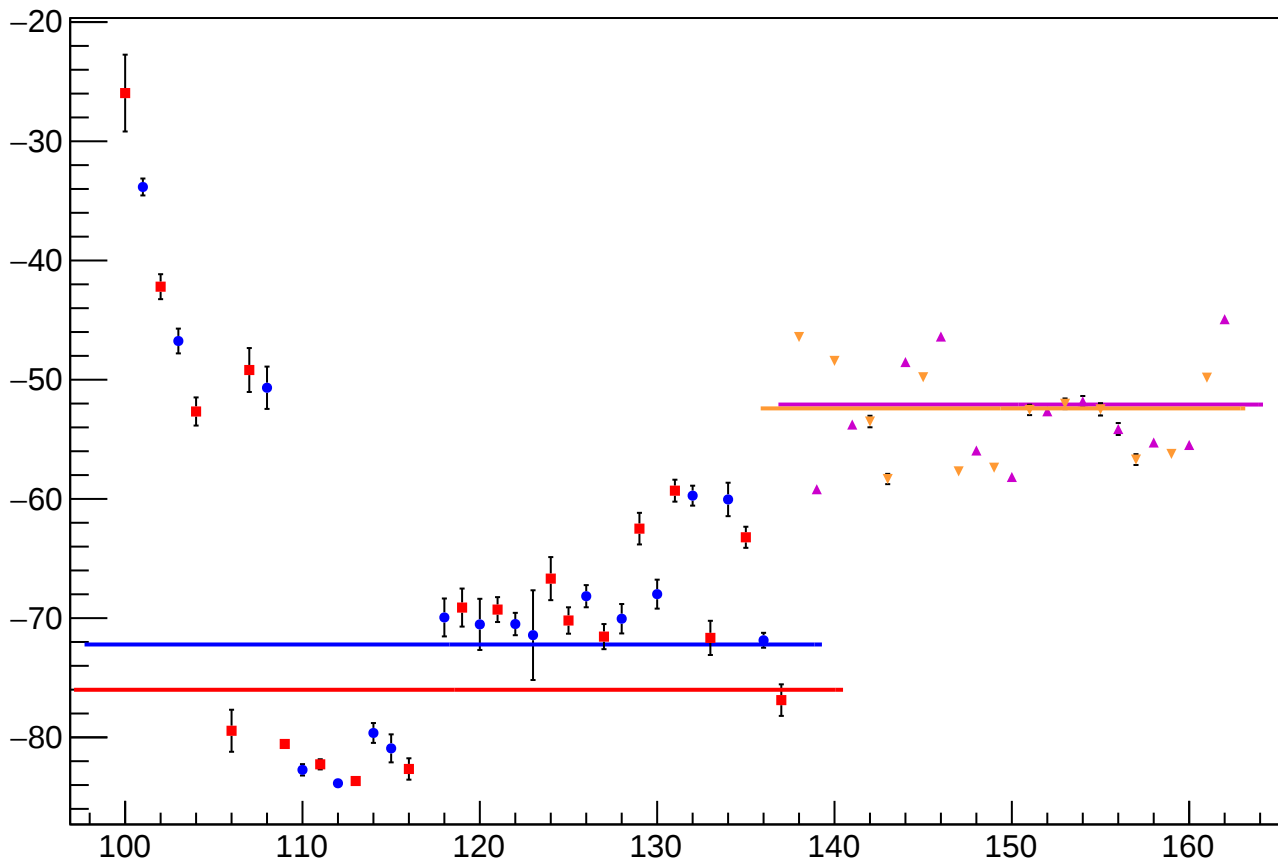
Left In: 10.218 ± 0.076 χ^2/NDF : 1517.2/11

+ sign 10.404 ± 0.064 χ^2/NDF : 2589.5/29

All: 10.442 ± 0.045 χ^2/NDF : 4965.5/60

- sign 10.481 ± 0.063 χ^2/NDF : 2375.3/30

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 χ^2/NDF : 5566.2/16

Left Out: -52.407 ± 0.108 χ^2/NDF : 1271.8/12

Right Out: -76.009 ± 0.181 χ^2/NDF : 3463.3/18

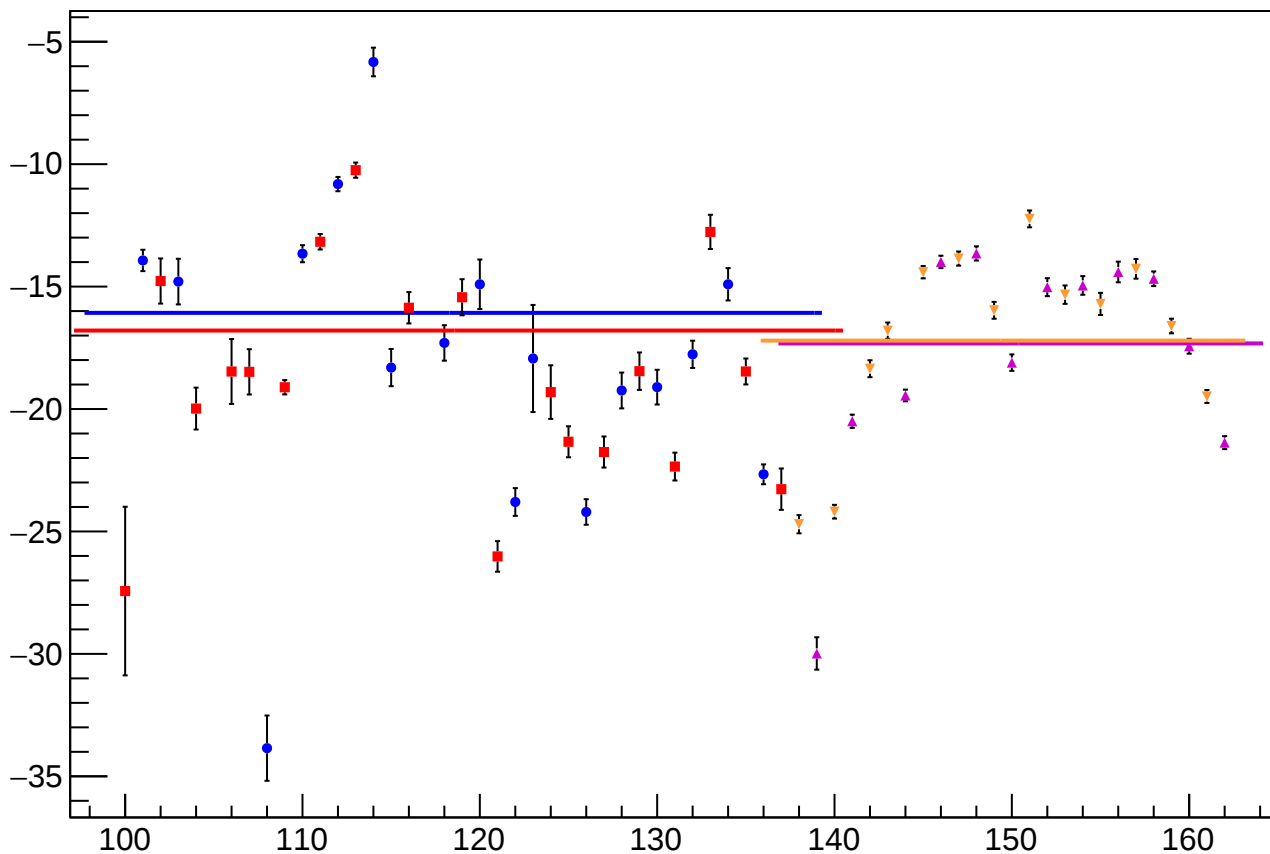
Left In: -52.084 ± 0.107 χ^2/NDF : 1805.8/11

+ sign -56.945 ± 0.095 χ^2/NDF : 14550.2/29

All: -57.638 ± 0.066 χ^2/NDF : 32862.7/60

- sign -58.294 ± 0.092 χ^2/NDF : 18208.5/30

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -17.206 ± 0.089 χ^2/NDF : 1686.1/12

Right Out: -16.795 ± 0.128 χ^2/NDF : 1216.0/18

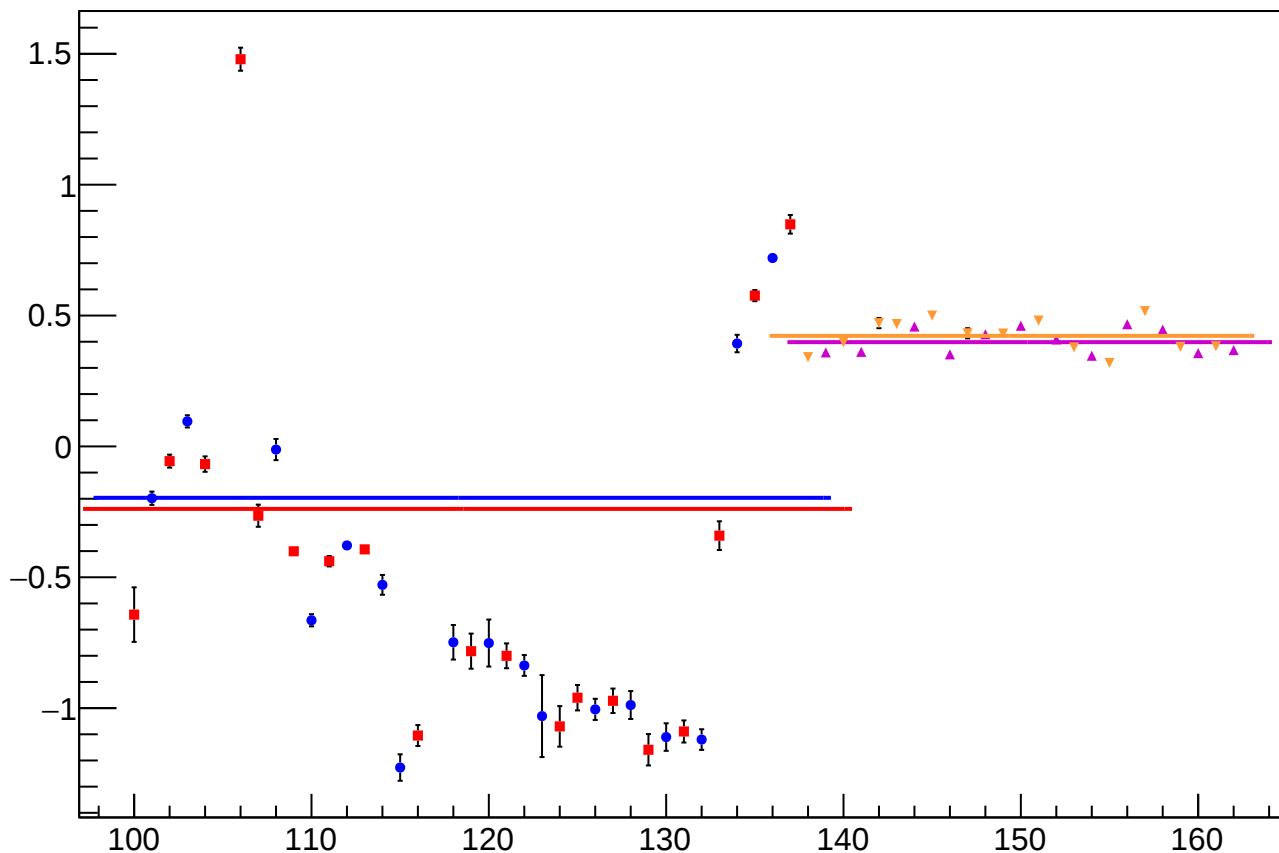
Left In: -17.321 ± 0.089 χ^2/NDF : 1357.0/11

+ sign -16.852 ± 0.074 χ^2/NDF : 3376.9/29

All: -17.003 ± 0.052 χ^2/NDF : 5969.4/60

- sign -17.149 ± 0.073 χ^2/NDF : 2584.4/30

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.422 ± 0.004 χ^2/NDF : 201.8/12

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

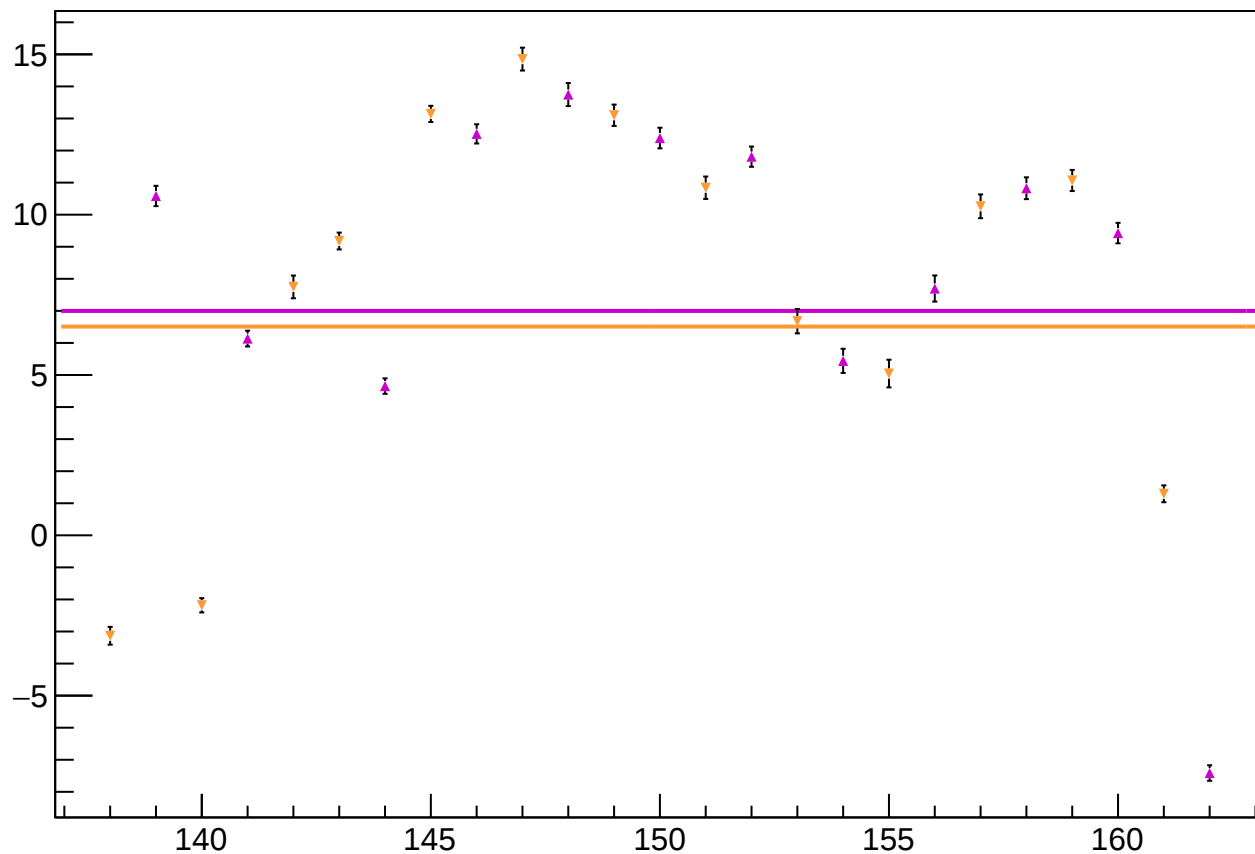
Left In: 0.398 ± 0.004 χ^2/NDF : 117.7/11

+ sign 0.274 ± 0.004 χ^2/NDF : 11633.8/29

All: 0.254 ± 0.003 χ^2/NDF : 23843.0/60

- sign 0.234 ± 0.004 χ^2/NDF : 12152.0/30

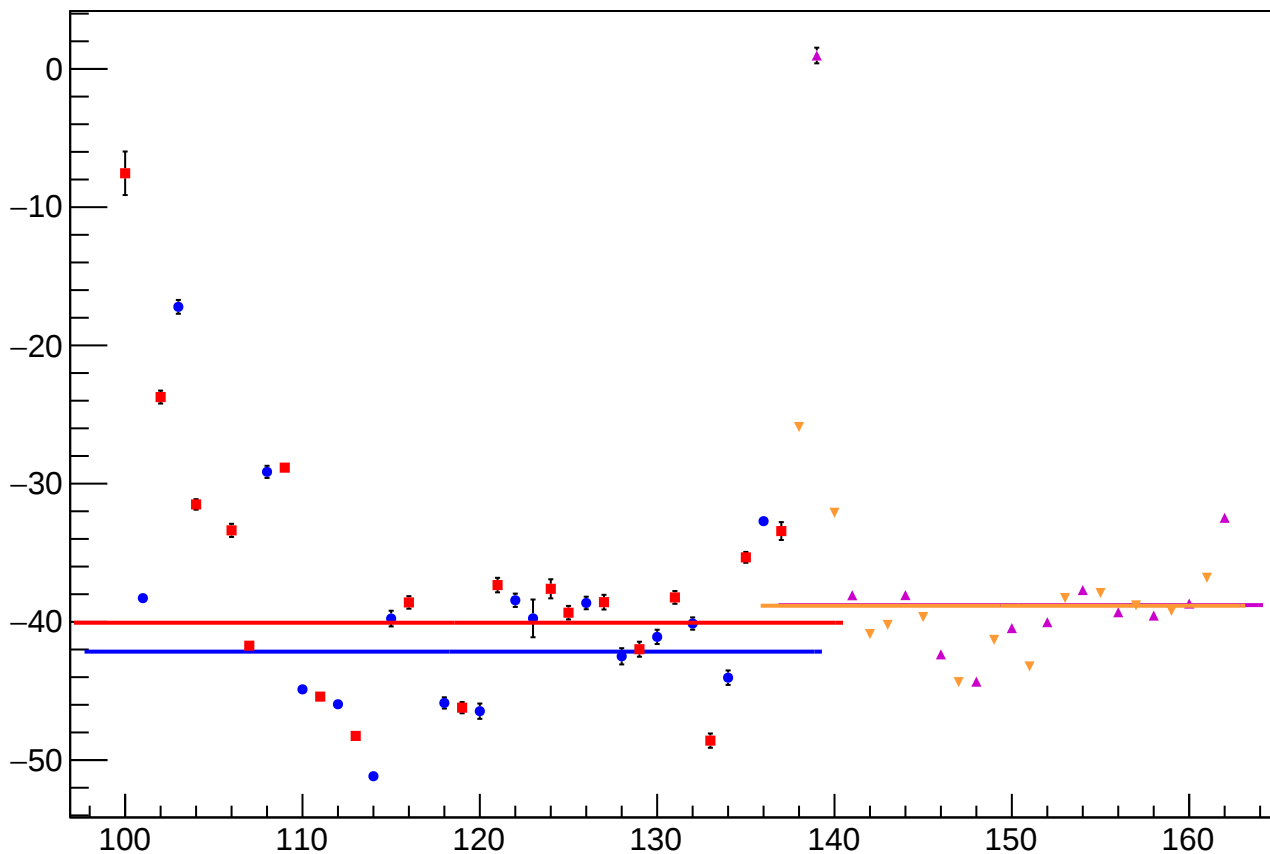
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.510+/-0.085 χ^2/NDF :5326.9/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 6.998+/-0.087 χ^2/NDF :5179.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 6.746+/-0.061 χ^2/NDF : 10522.2/24
 - 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: -38.832 ± 0.059 χ^2/NDF : 5629.9/12

Right Out: -40.062 ± 0.073 χ^2/NDF : 11322.2/18

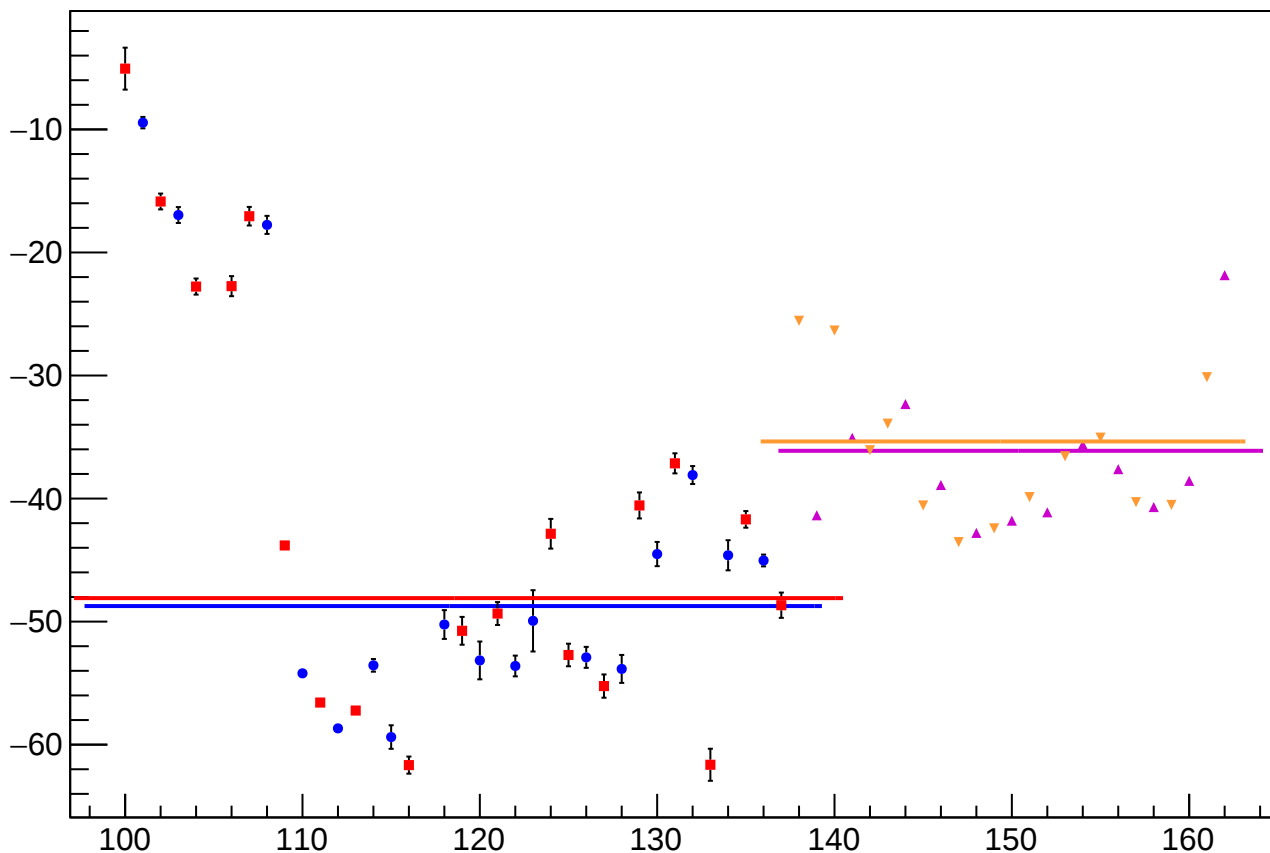
Left In: -38.788 ± 0.061 χ^2/NDF : 7492.7/11

+ sign -40.039 ± 0.047 χ^2/NDF : 13341.5/29

All: -39.678 ± 0.033 χ^2/NDF : 32453.3/60

- sign -39.318 ± 0.047 χ^2/NDF : 18994.1/30

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -35.359 ± 0.085 $\chi^2/\text{NDF}: 5148.9/12$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

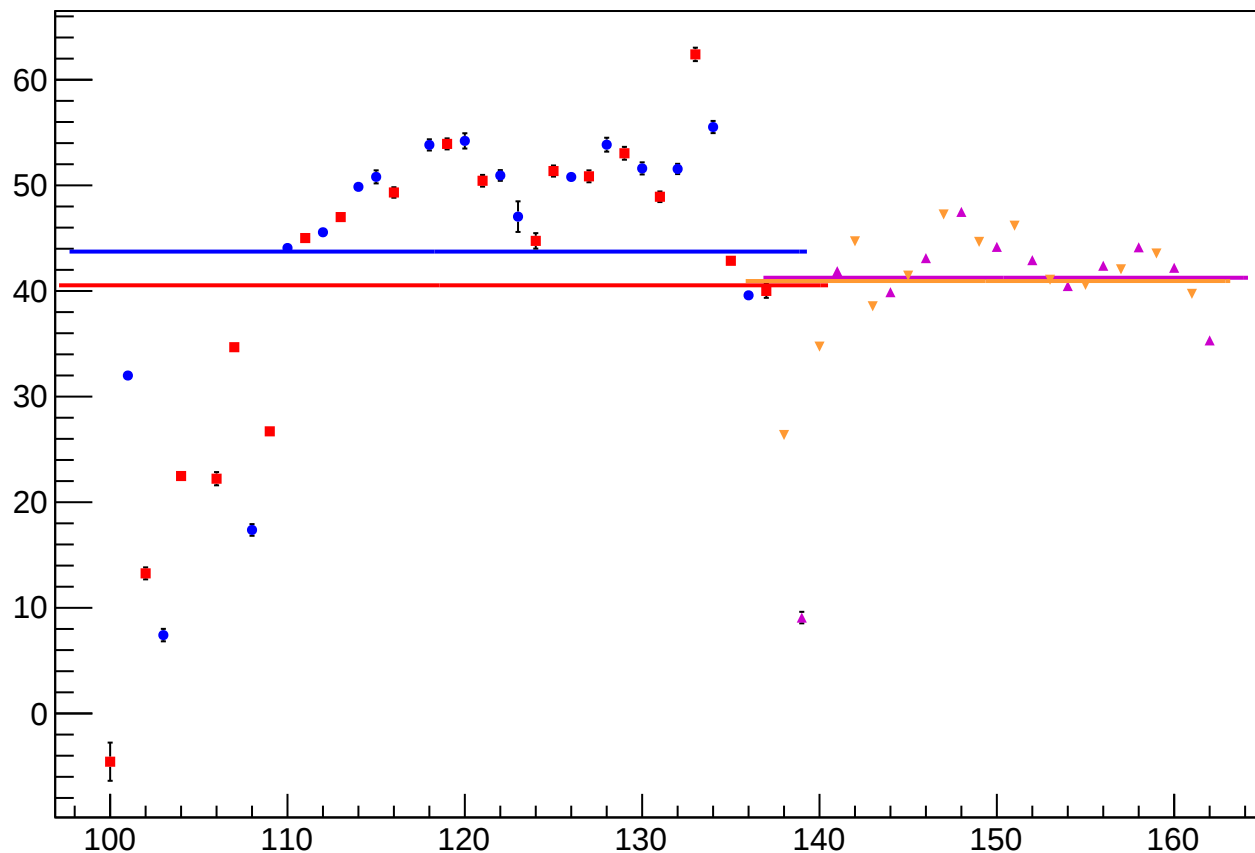
Left In: -36.119 ± 0.086 $\chi^2/\text{NDF}: 5617.8/11$

+ sign -39.578 ± 0.070 $\chi^2/\text{NDF}: 27704.3/29$

All: -40.209 ± 0.048 $\chi^2/\text{NDF}: 52815.6/60$

- sign -40.788 ± 0.067 $\chi^2/\text{NDF}: 24954.9/30$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 $\pm$ 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.943 $\pm$ 0.070 χ^2/NDF : 4823.1/12

Right Out: 40.537 $\pm$ 0.080 χ^2/NDF : 17601.3/18

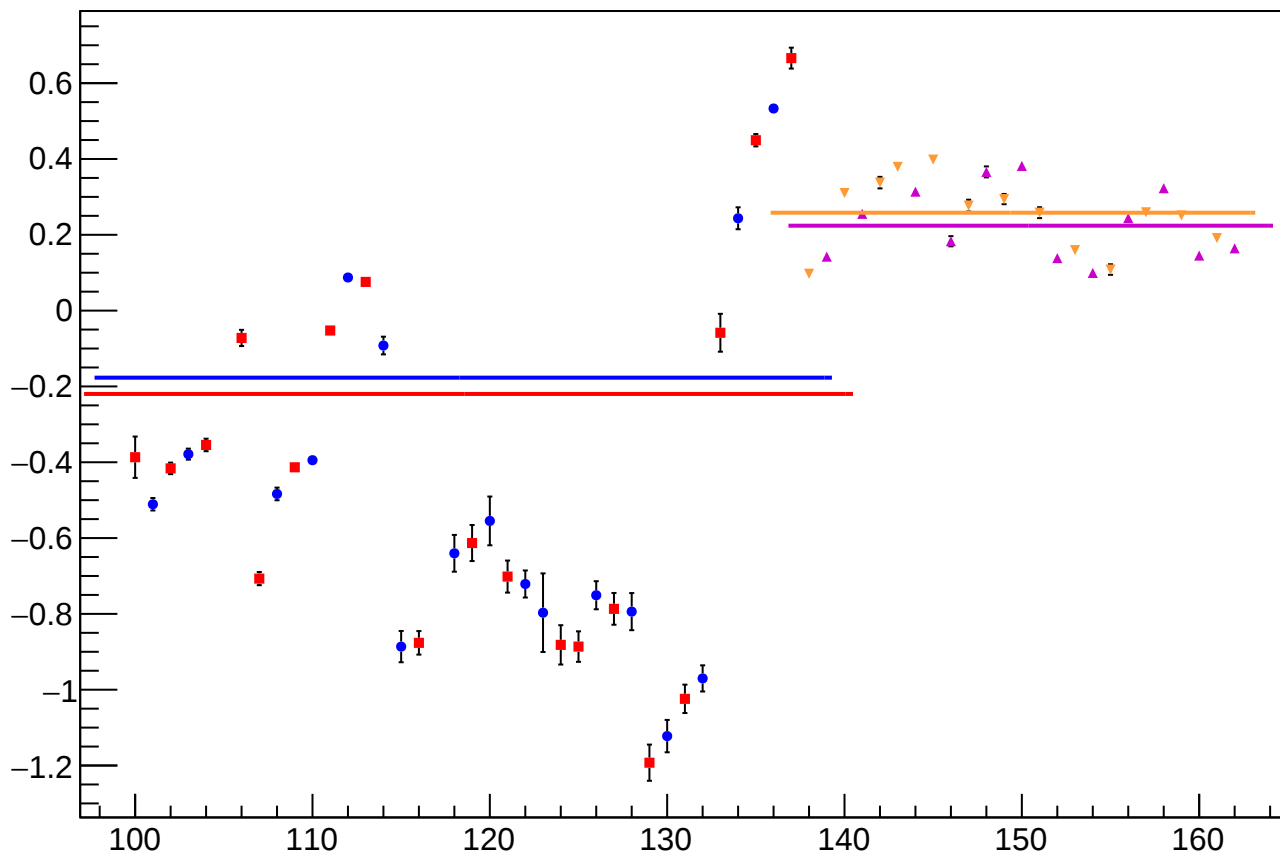
Left In: 41.253 $\pm$ 0.072 χ^2/NDF : 5455.9/11

+ sign 42.037 $\pm$ 0.054 χ^2/NDF : 16016.8/29

All: 41.476 $\pm$ 0.038 χ^2/NDF : 39327.0/60

- sign 40.935 $\pm$ 0.053 χ^2/NDF : 23101.5/30

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.258 ± 0.003 χ^2/NDF : 764.1/12

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

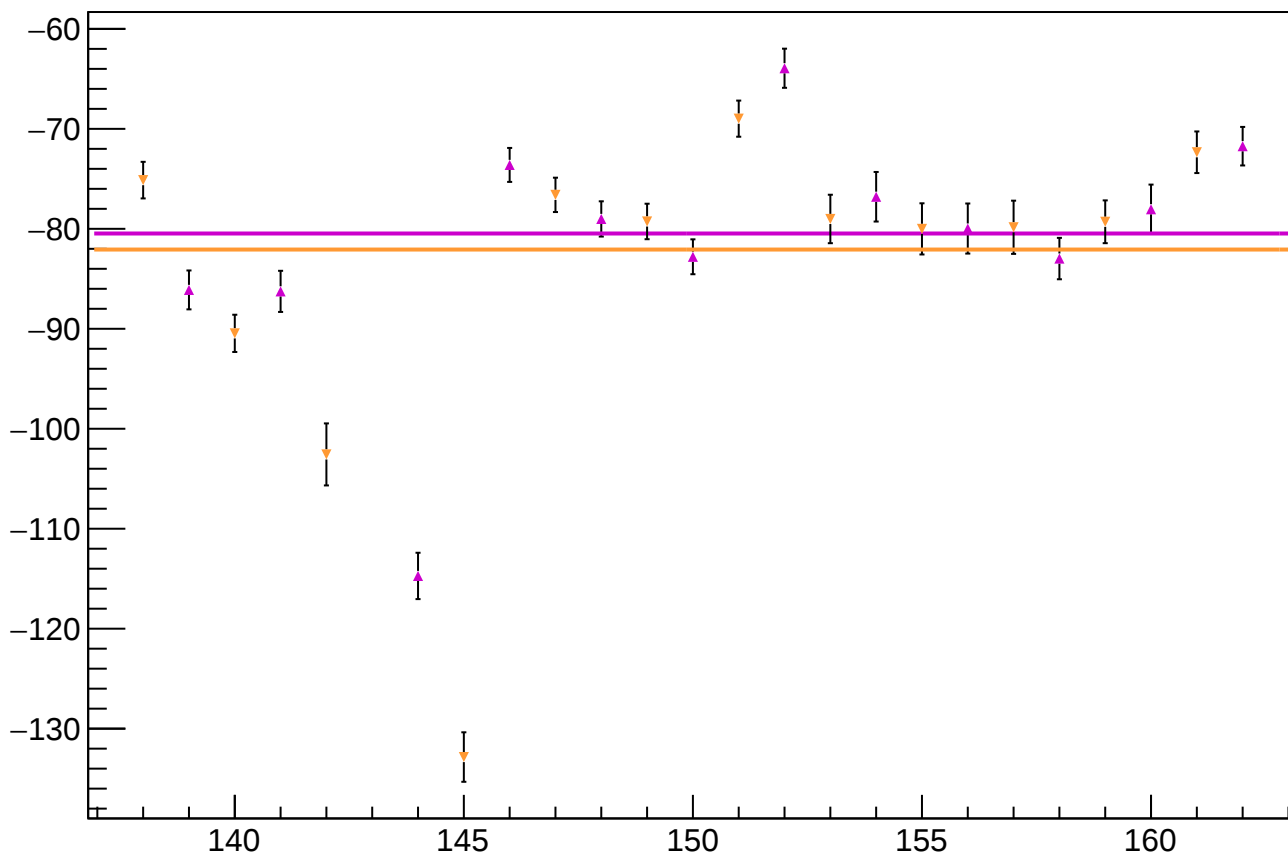
Left In: 0.224 ± 0.003 χ^2/NDF : 706.7/11

+ sign 0.119 ± 0.003 χ^2/NDF : 13623.4/29

All: 0.086 ± 0.002 χ^2/NDF : 28638.5/60

- sign 0.056 ± 0.003 χ^2/NDF : 14739.3/30

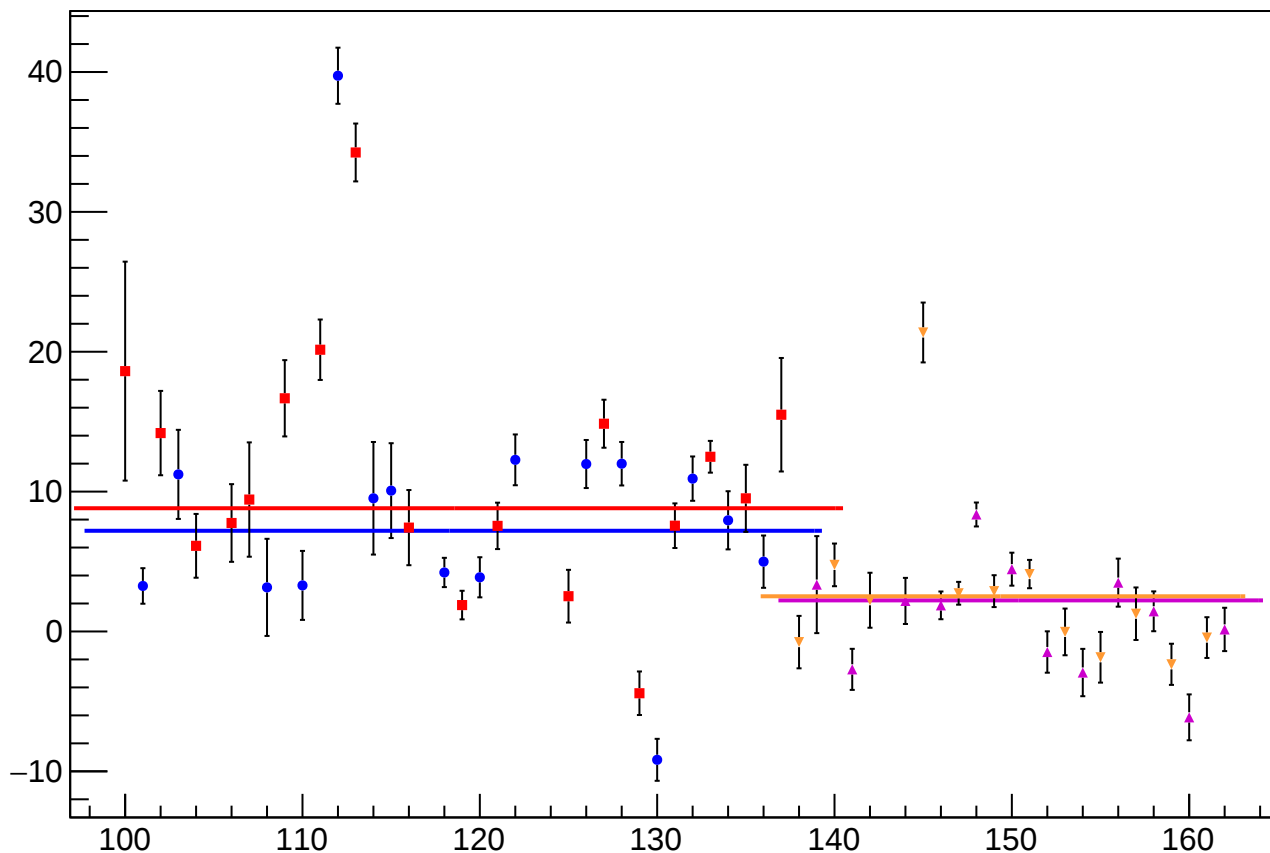
reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left Out: -82.073 $\pm$ 0.605 χ^2 /NDF: 590.3/11
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left In: -80.468 $\pm$ 0.584 χ^2 /NDF: 350.0/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
All: -81.242 $\pm$ 0.420 χ^2 /NDF: 944.0/23
- 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: 2.515 ± 0.398 χ^2/NDF : 109.2/11

Right Out: 8.810 ± 0.448 χ^2/NDF : 349.7/17

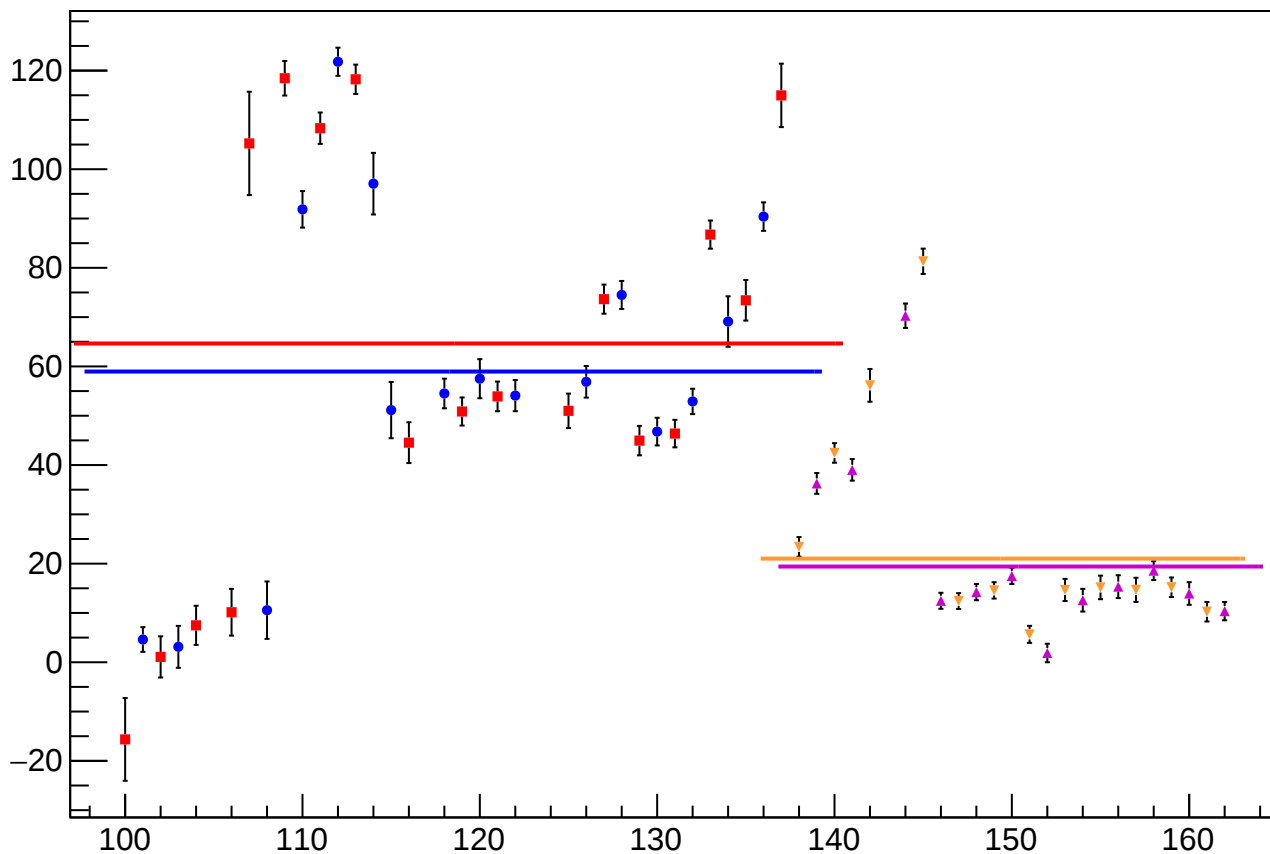
Left In: 2.222 ± 0.394 χ^2/NDF : 110.7/11

+ sign 4.624 ± 0.295 χ^2/NDF : 615.4/27

All: 4.860 ± 0.209 χ^2/NDF : 1199.0/57

- sign 5.097 ± 0.296 χ^2/NDF : 582.4/29

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 21.022 $\pm$ 0.589 χ^2 /NDF: 962.6/11

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

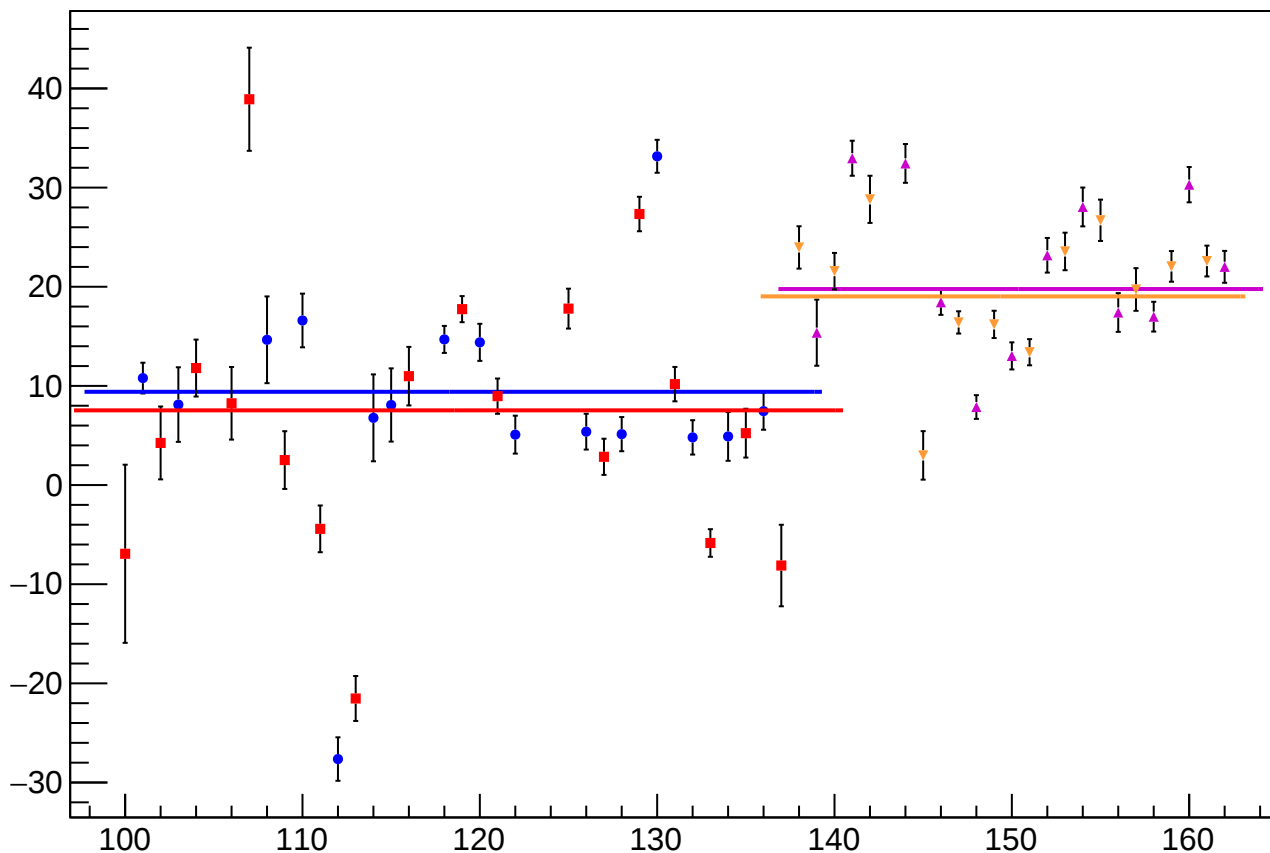
Left In: 19.415 $\pm$ 0.565 χ^2 /NDF: 723.9/11

+ sign 33.585 $\pm$ 0.482 χ^2 /NDF: 3833.5/27

All: 33.550 $\pm$ 0.336 χ^2 /NDF: 8275.6/57

- sign 33.517 $\pm$ 0.469 χ^2 /NDF: 4442.0/29

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 19.028 ± 0.482 $\chi^2/\text{NDF}: 123.5/11$

Right Out: 7.533 ± 0.515 $\chi^2/\text{NDF}: 569.8/17$

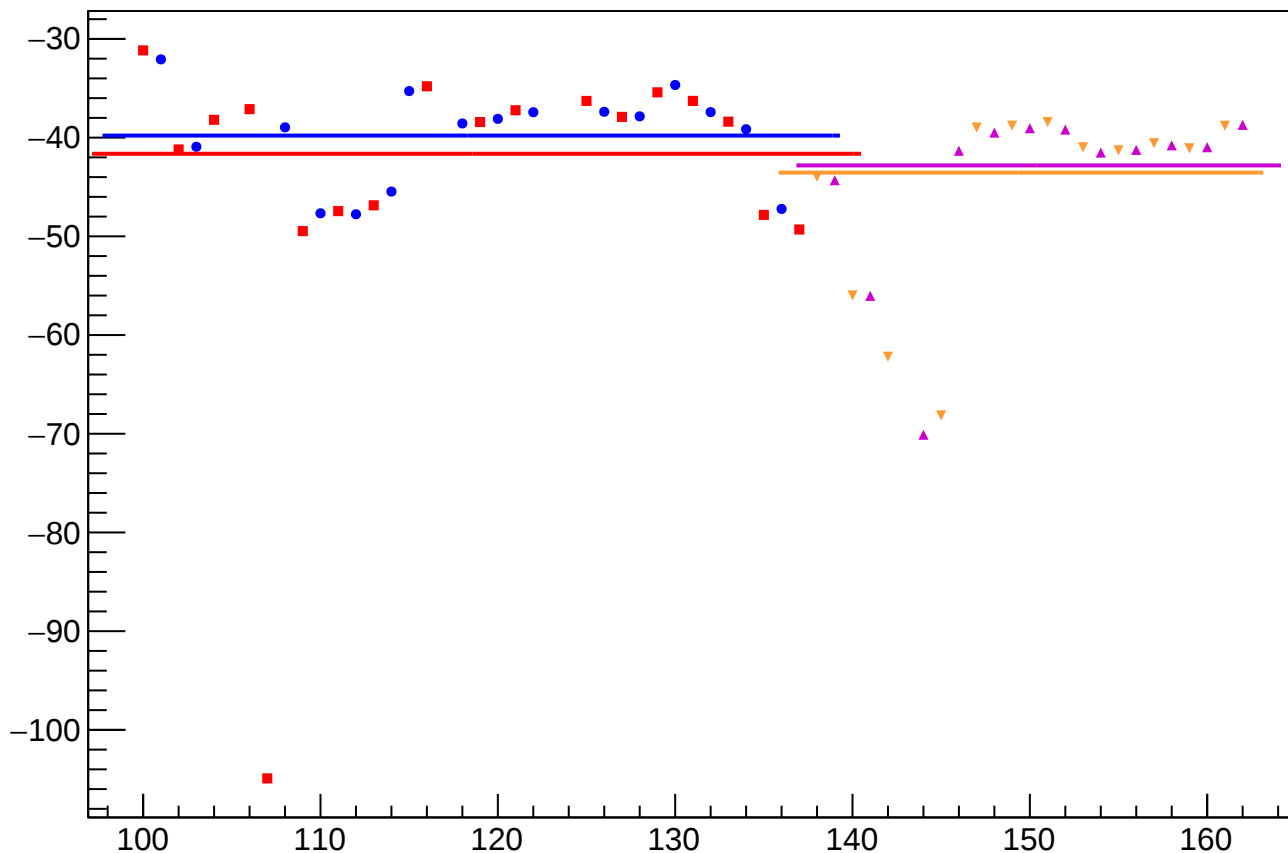
Left In: 19.770 ± 0.470 $\chi^2/\text{NDF}: 287.4/11$

+ sign 14.460 ± 0.349 $\chi^2/\text{NDF}: 862.5/27$

All: 14.331 ± 0.246 $\chi^2/\text{NDF}: 2027.9/57$

- sign 14.204 ± 0.347 $\chi^2/\text{NDF}: 1165.1/29$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -43.542 ± 0.023 χ^2/NDF : 119796.8/11

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

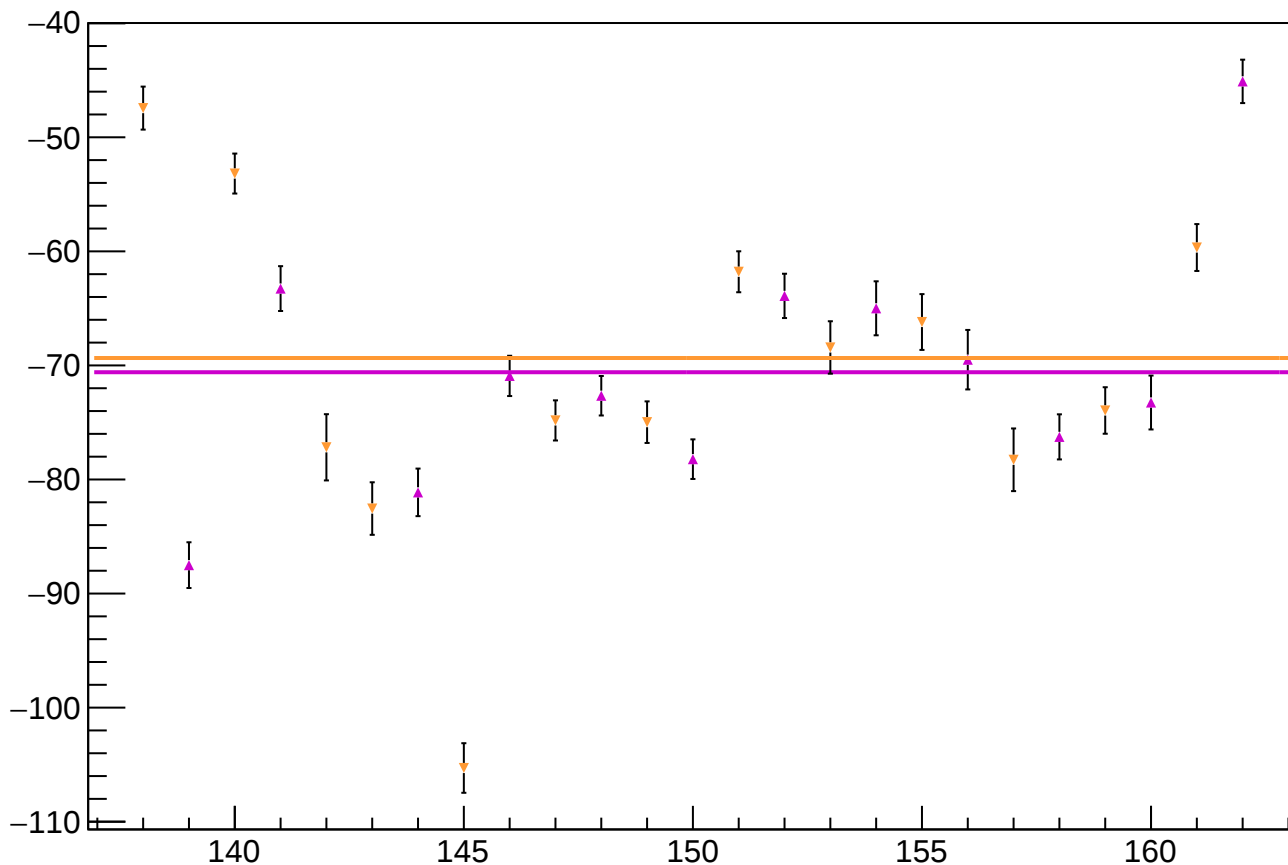
Left In: -42.815 ± 0.022 χ^2/NDF : 98739.2/11

+ sign -42.193 ± 0.019 χ^2/NDF : 155176.2/27

All: -42.309 ± 0.013 χ^2/NDF : 349329.4/57

- sign -42.417 ± 0.018 χ^2/NDF : 194079.0/29

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -69.350+/-0.575 χ^2/NDF : 610.4/12

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

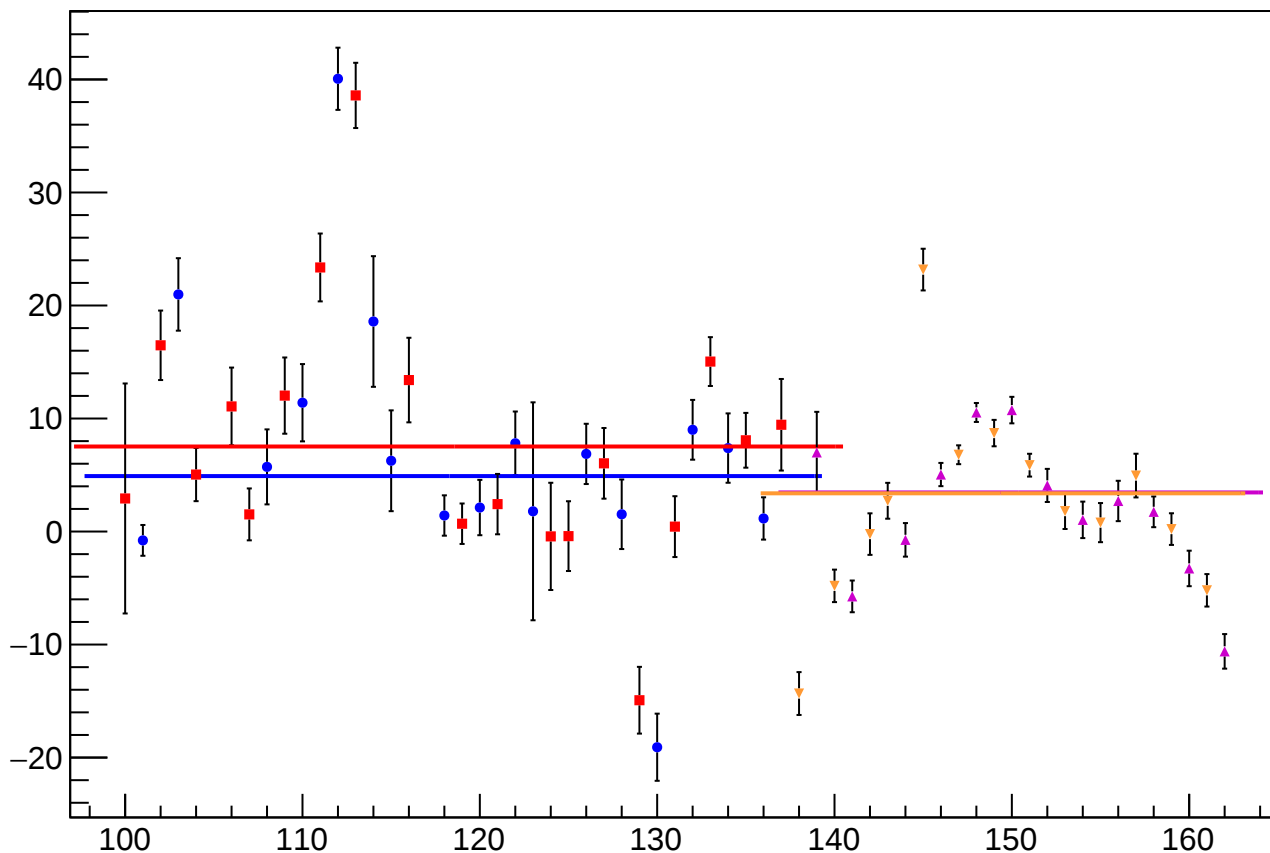
Left In: -70.597+/-0.575 χ^2/NDF : 338.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -69.973+/-0.406 χ^2/NDF : 950.7/24

- 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 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 3.381 ± 0.381 $\chi^2/\text{NDF}: 327.3/12$

Right Out: 7.523 ± 0.651 $\chi^2/\text{NDF}: 270.6/18$

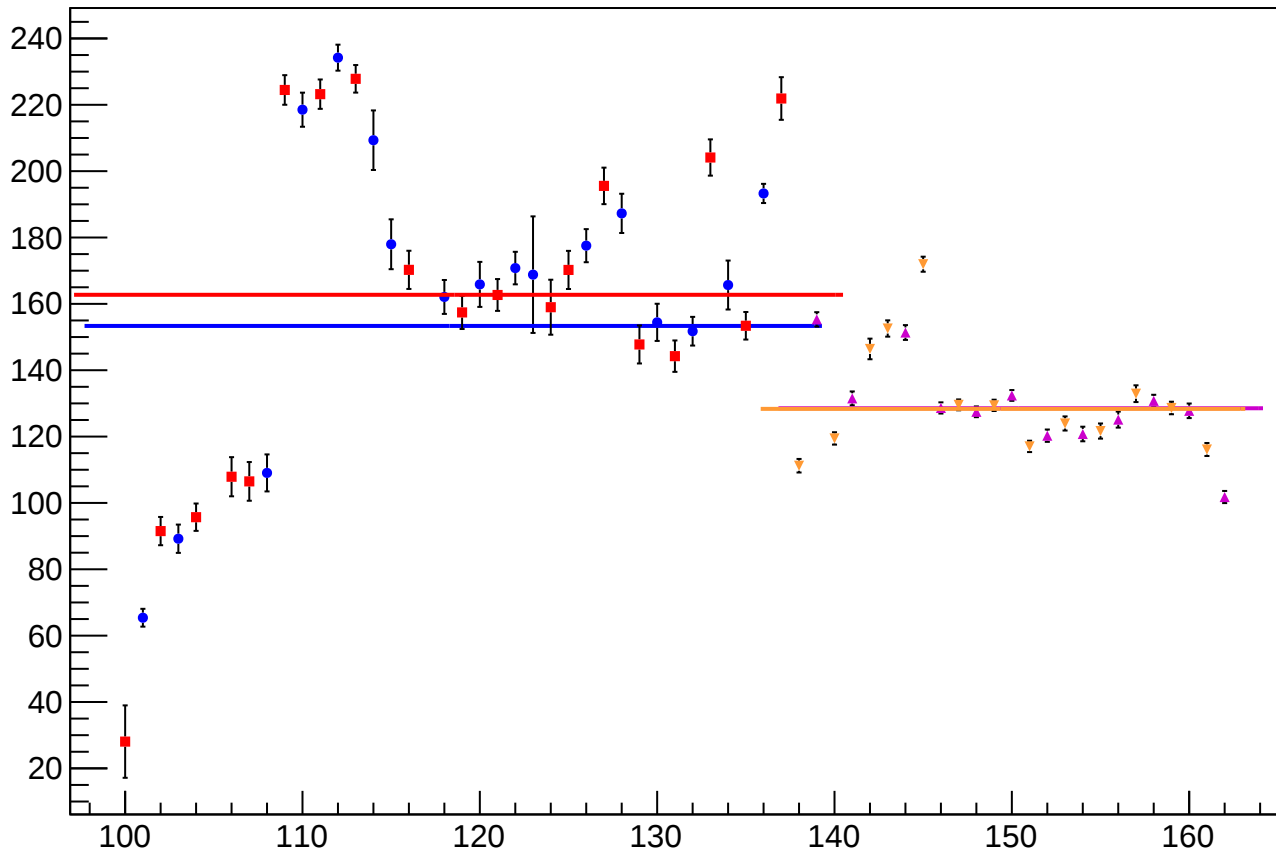
Left In: 3.459 ± 0.387 $\chi^2/\text{NDF}: 271.0/11$

+ sign 3.791 ± 0.326 $\chi^2/\text{NDF}: 627.0/29$

All: 4.149 ± 0.233 $\chi^2/\text{NDF}: 1199.9/60$

- sign 4.522 ± 0.333 $\chi^2/\text{NDF}: 570.4/30$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 ± 1.150 χ^2/NDF : 2268.3/16

Left Out: 128.352 ± 0.563 χ^2/NDF : 692.5/12

Right Out: 162.734 ± 1.177 χ^2/NDF : 1708.8/18

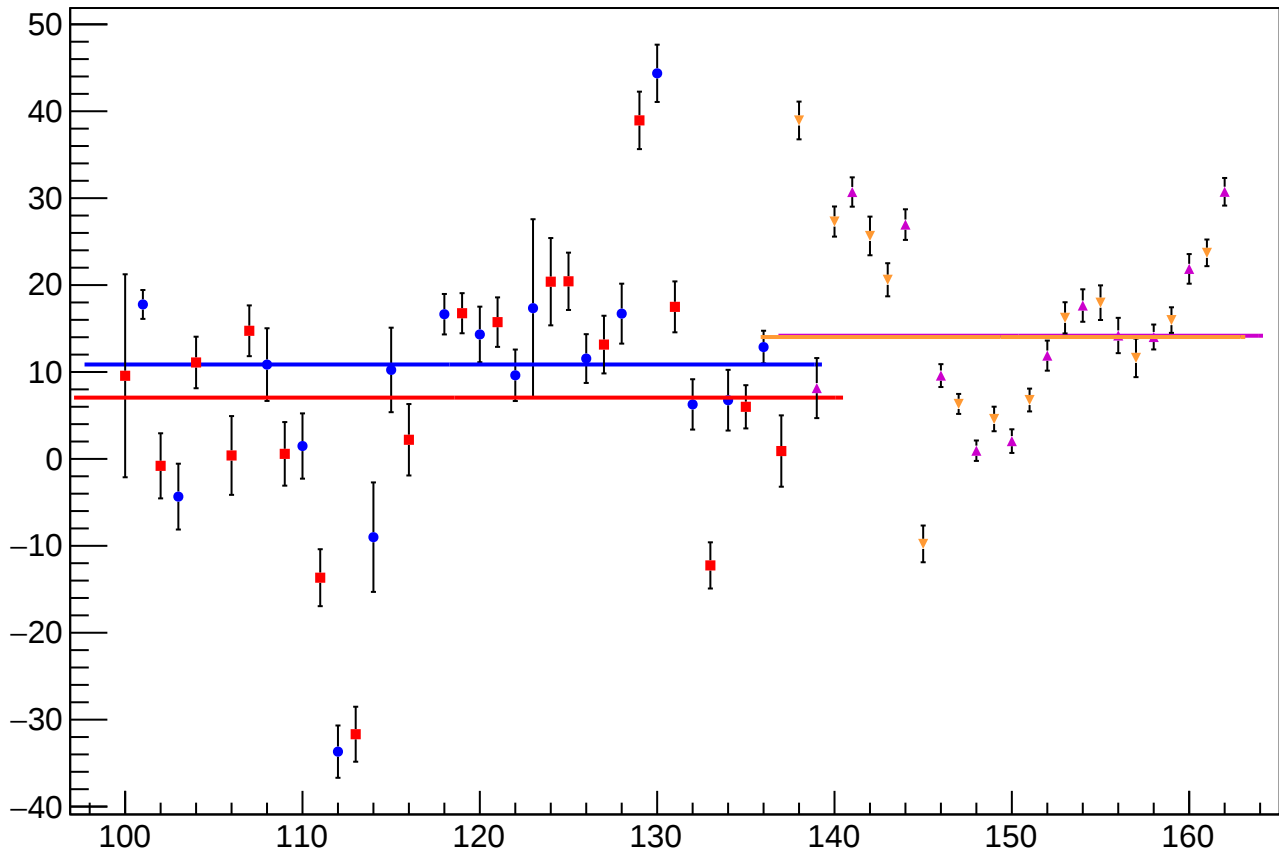
Left In: 128.536 ± 0.557 χ^2/NDF : 514.0/11

+ sign 133.186 ± 0.506 χ^2/NDF : 3341.8/29

All: 133.993 ± 0.357 χ^2/NDF : 6259.5/60

- sign 134.792 ± 0.503 χ^2/NDF : 2912.6/30

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 14.024 $\pm$ 0.459 χ^2 /NDF: 524.9/12

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

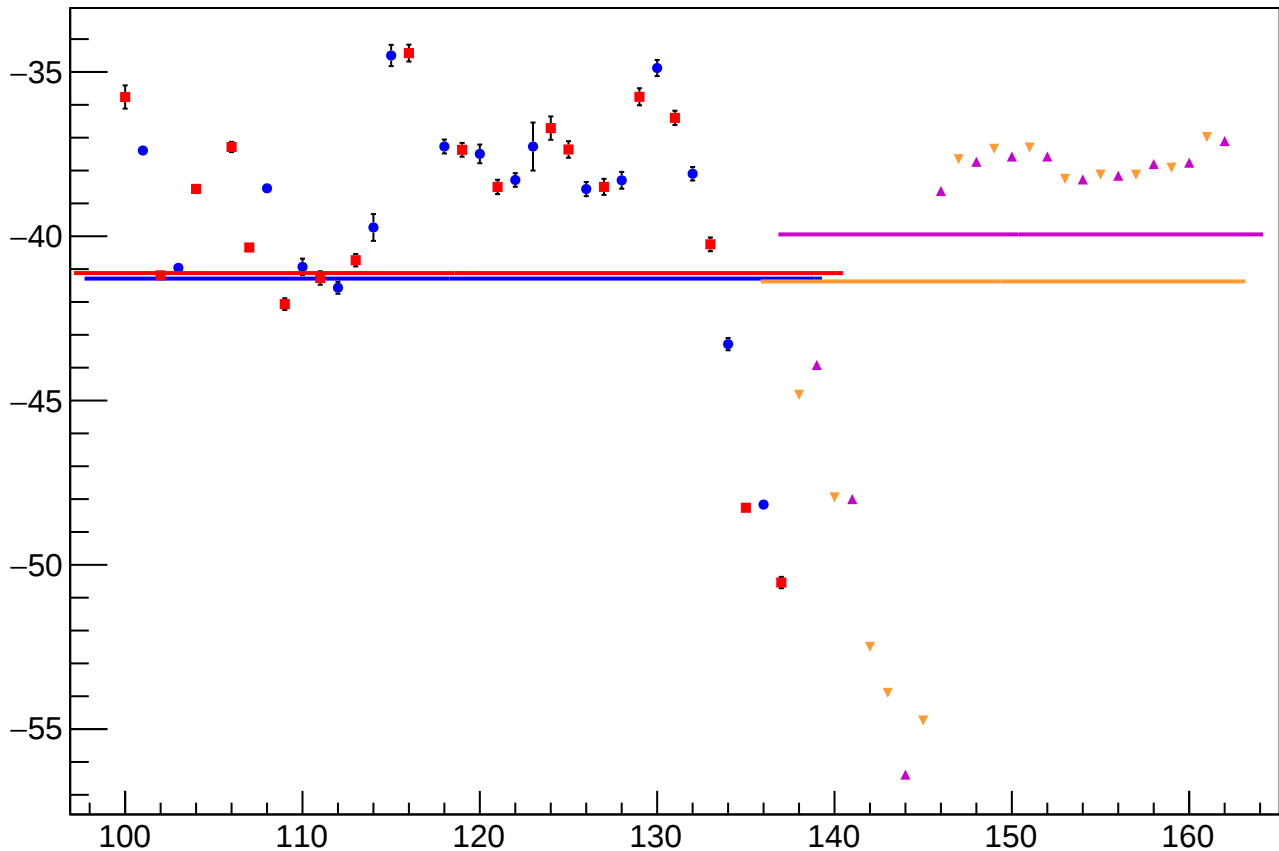
Left In: 14.173 $\pm$ 0.462 χ^2 /NDF: 504.5/11

+ sign 13.108 $\pm$ 0.387 χ^2 /NDF: 926.5/29

All: 12.664 $\pm$ 0.276 χ^2 /NDF: 1924.0/60

- sign 12.206 $\pm$ 0.393 χ^2 /NDF: 994.8/30

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -41.375 ± 0.022 $\chi^2/\text{NDF}: 73933.4/12$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

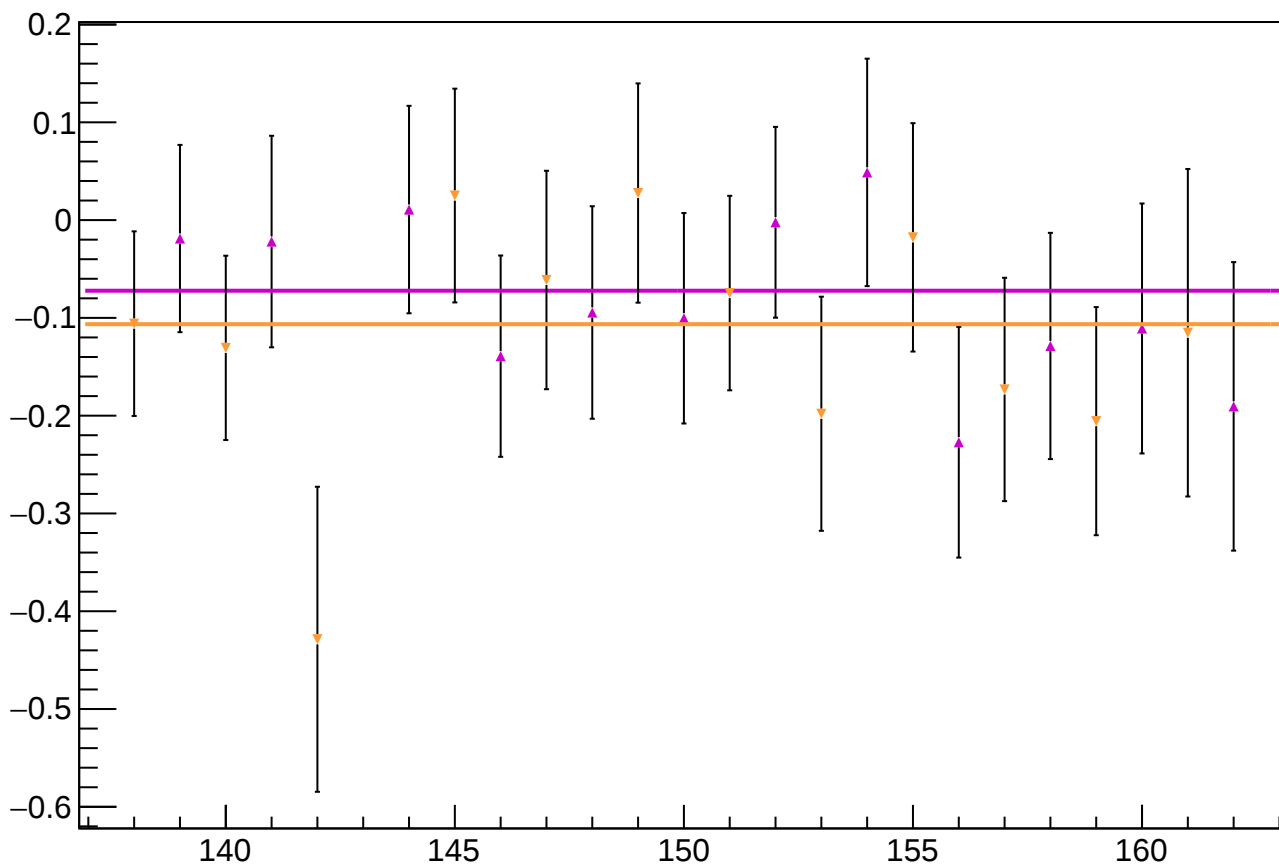
Left In: -39.944 ± 0.022 $\chi^2/\text{NDF}: 47993.4/11$

+ sign -41.353 ± 0.019 $\chi^2/\text{NDF}: 86446.2/29$

All: -40.783 ± 0.014 $\chi^2/\text{NDF}: 148960.4/60$

- sign -40.230 ± 0.019 $\chi^2/\text{NDF}: 60804.5/30$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.106+/-0.033 χ^2/NDF : 9.7/11

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

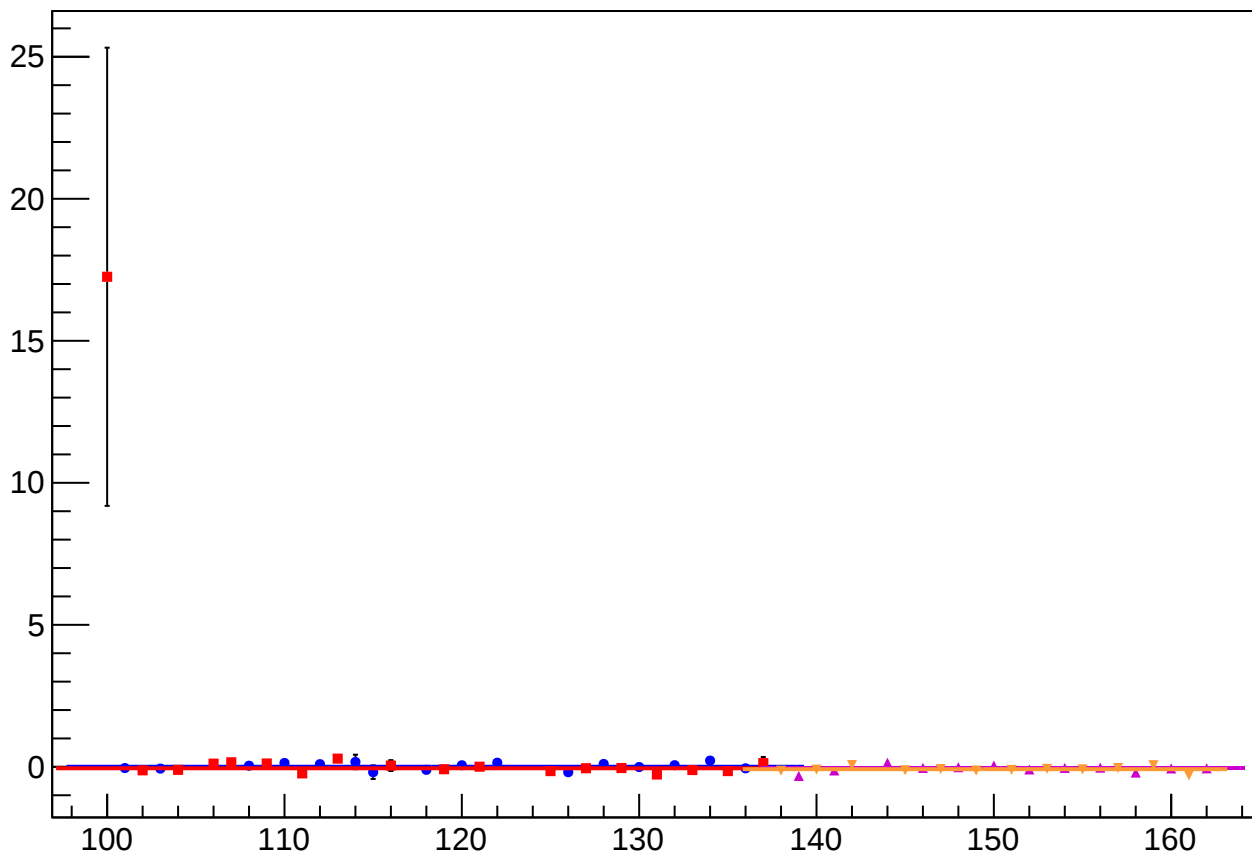
Left In: -0.072+/-0.032 χ^2/NDF : 6.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.089+/-0.023 χ^2/NDF : 16.2/23

- sign 0.000+/-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: -0.082 ± 0.022 χ^2/NDF : 9.9/11

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.6/17

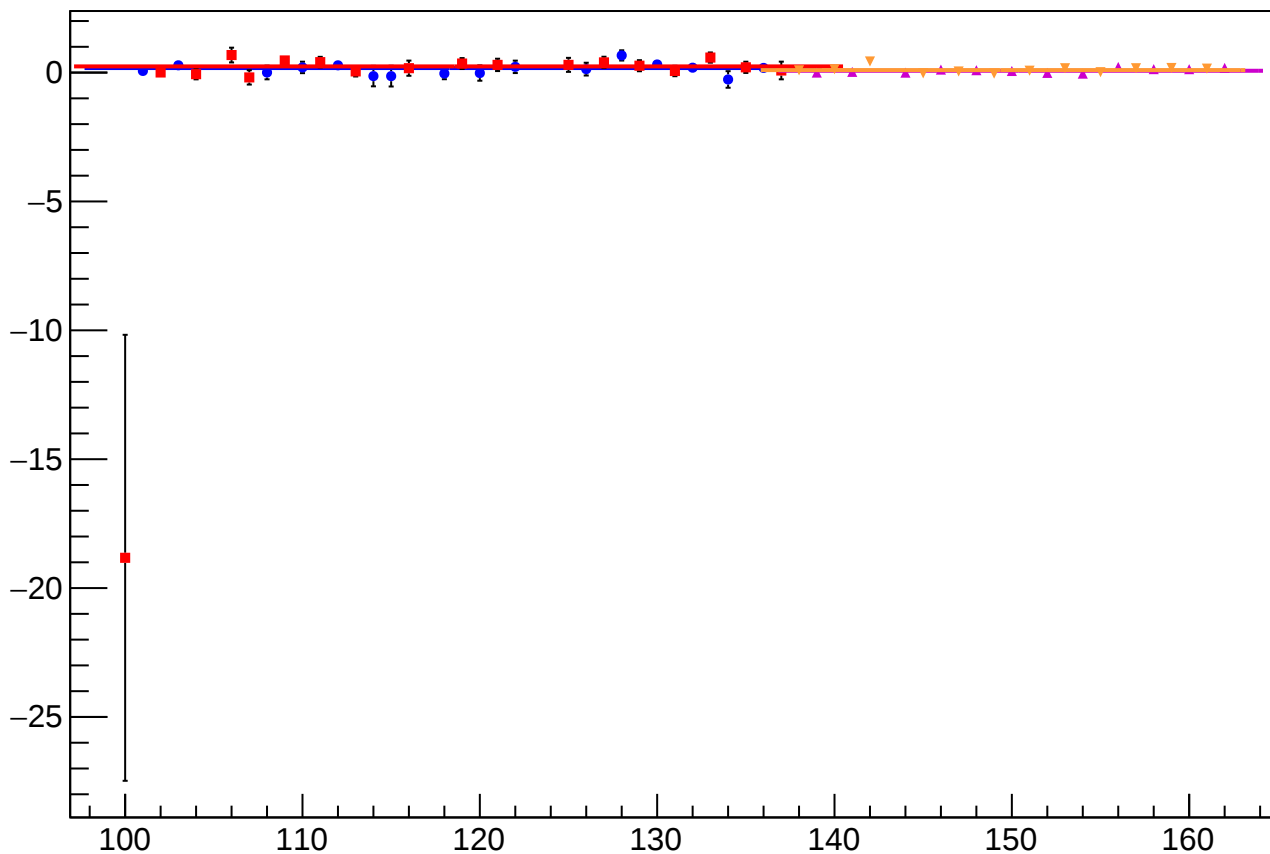
Left In: -0.040 ± 0.022 χ^2/NDF : 16.1/11

+ sign -0.050 ± 0.018 χ^2/NDF : 27.9/27

All: -0.047 ± 0.012 χ^2/NDF : 69.7/57

- sign -0.044 ± 0.018 χ^2/NDF : 41.7/29

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.096 $\pm$ 0.032 χ^2 /NDF: 9.5/11

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

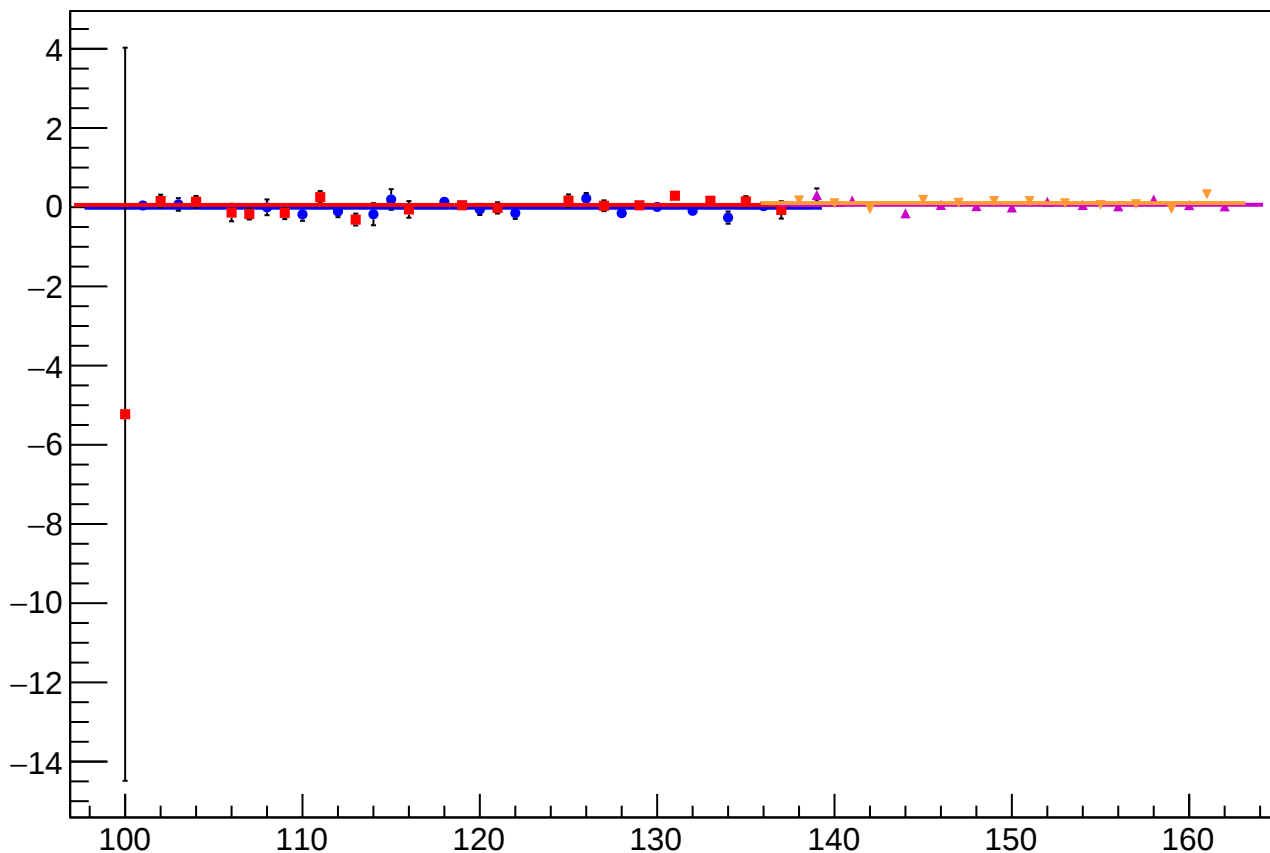
Left In: 0.070 $\pm$ 0.031 χ^2 /NDF: 6.2/11

+ sign 0.117 $\pm$ 0.027 χ^2 /NDF: 24.2/27

All: 0.115 $\pm$ 0.019 χ^2 /NDF: 59.4/57

- sign 0.112 $\pm$ 0.027 χ^2 /NDF: 35.2/29

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.104 ± 0.027 χ^2/NDF : 9.8/11

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

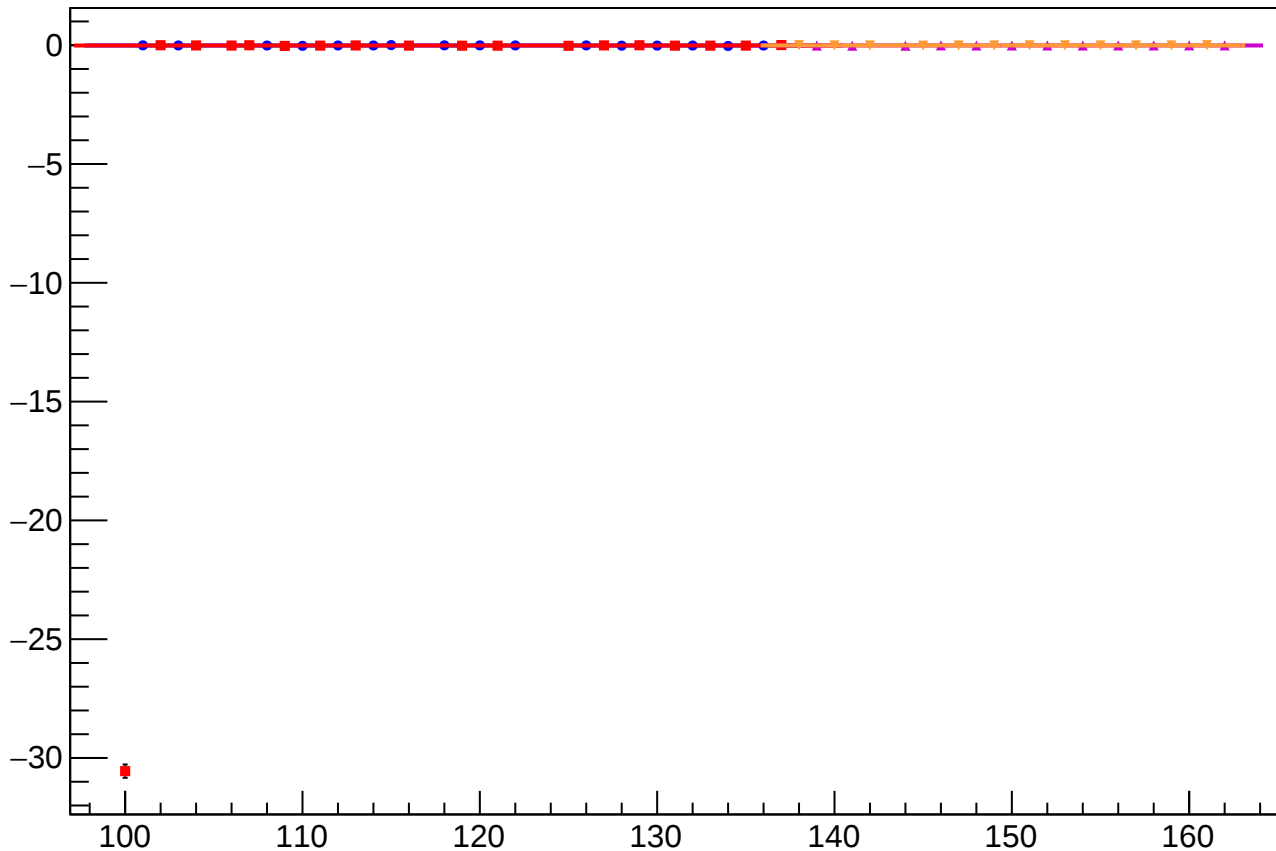
Left In: 0.061 ± 0.026 χ^2/NDF : 13.8/11

+ sign 0.057 ± 0.021 χ^2/NDF : 31.1/27

All: 0.058 ± 0.015 χ^2/NDF : 65.3/57

- sign 0.059 ± 0.021 χ^2/NDF : 34.1/29

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:10.3/11

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.4/17

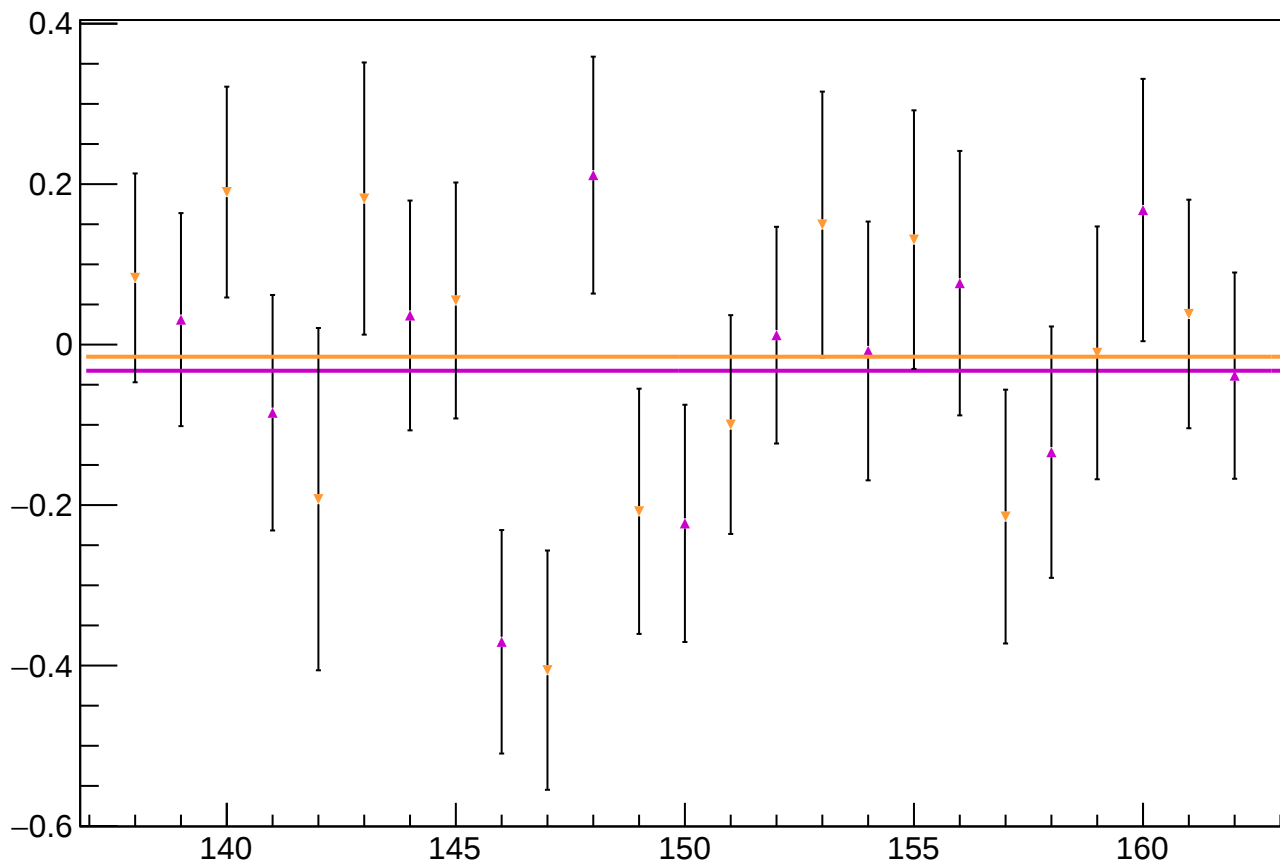
Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:11.0/11

+ sign -0.010 $\pm$ 0.001 χ^2 /NDF: 25.6/27

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11929.5/57

- sign -0.011 $\pm$ 0.001 χ^2 /NDF: 11903.0/29

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.015 $\pm$ 0.042 χ^2 /NDF:17.7/12

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

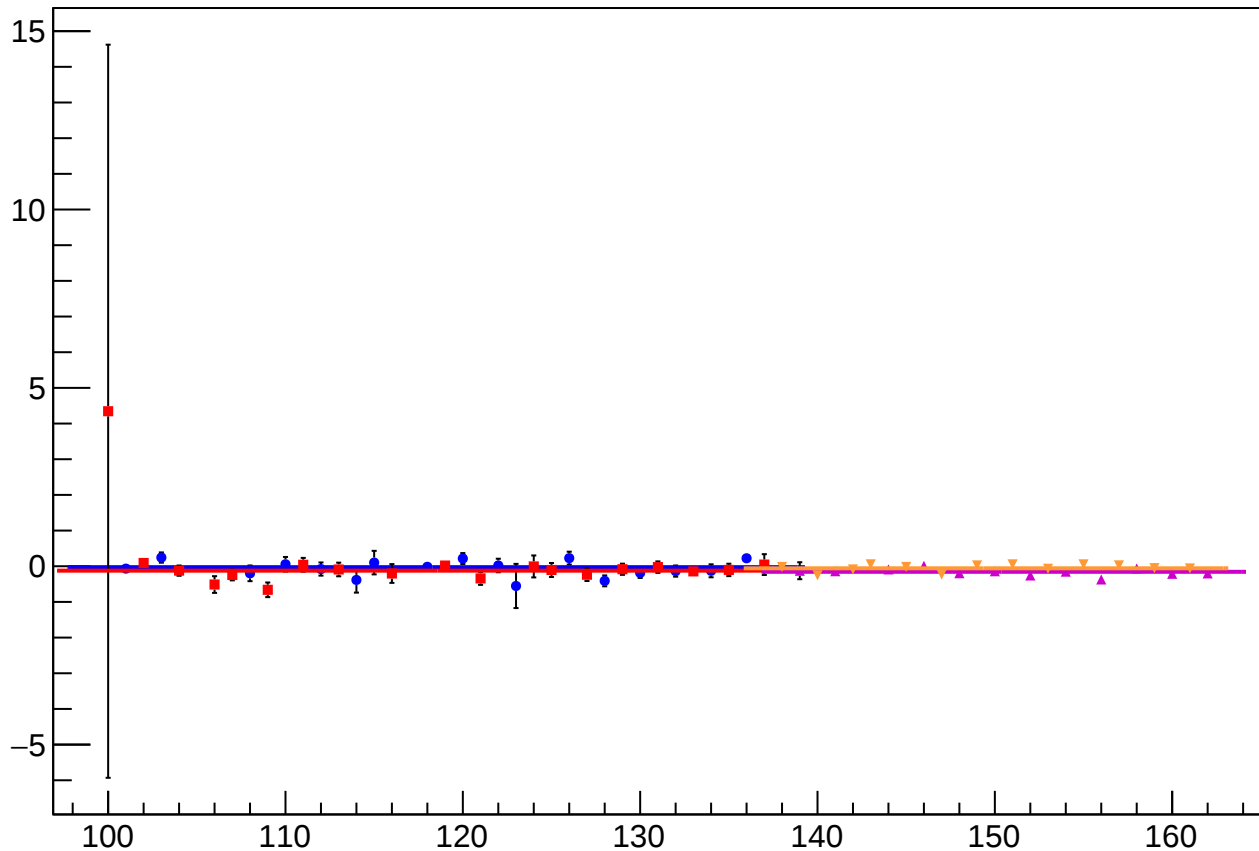
Left In: -0.033 $\pm$ 0.042 χ^2 /NDF:13.3/11

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

All: -0.024 $\pm$ 0.030 χ^2 /NDF: 31.1/24

- 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: -0.058 ± 0.029 χ^2/NDF : 14.7/12

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

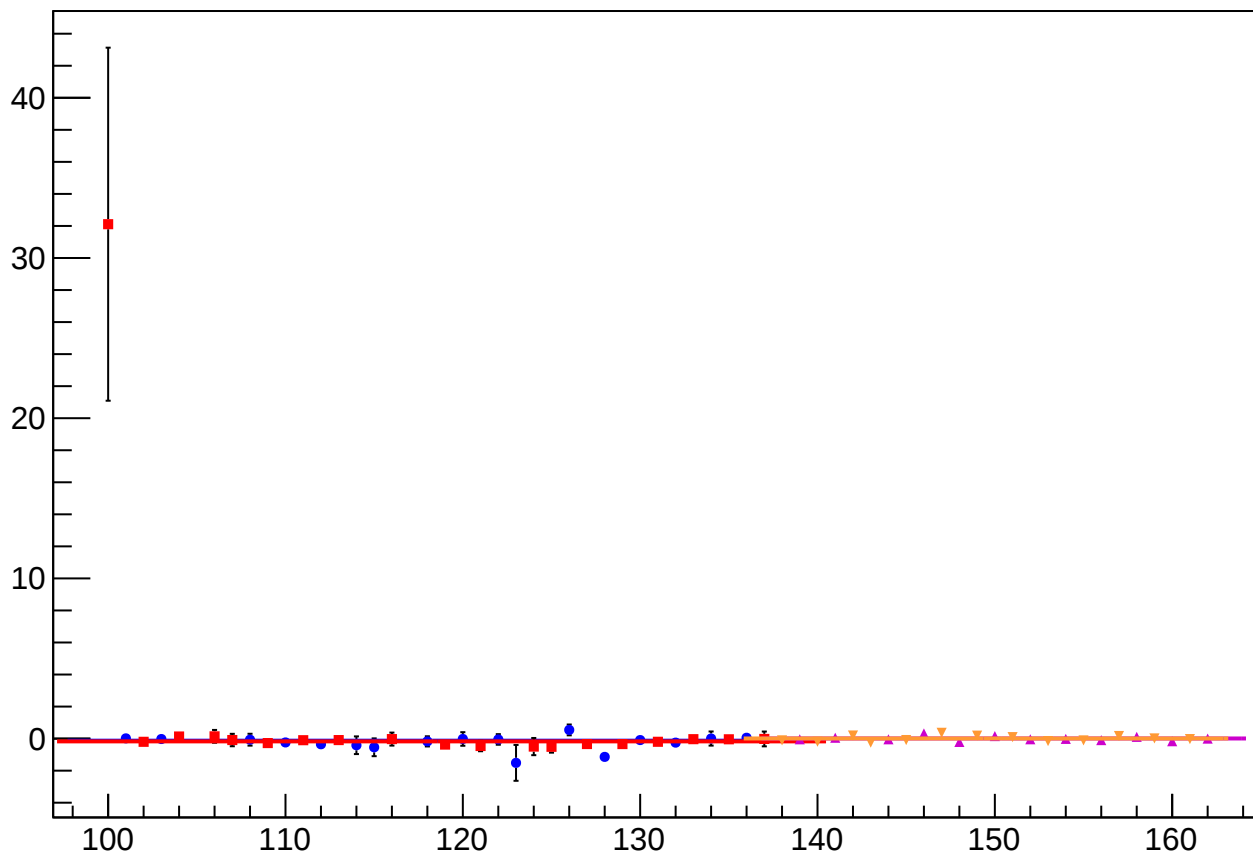
Left In: -0.156 ± 0.029 χ^2/NDF : 10.7/11

+ sign -0.046 ± 0.023 χ^2/NDF : 37.9/29

All: -0.093 ± 0.016 χ^2/NDF : 76.4/60

- sign -0.144 ± 0.024 χ^2/NDF : 29.4/30

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.009 ± 0.041 χ^2/NDF : 17.3/12

Right Out: -0.172 ± 0.071 χ^2/NDF : 14.9/18

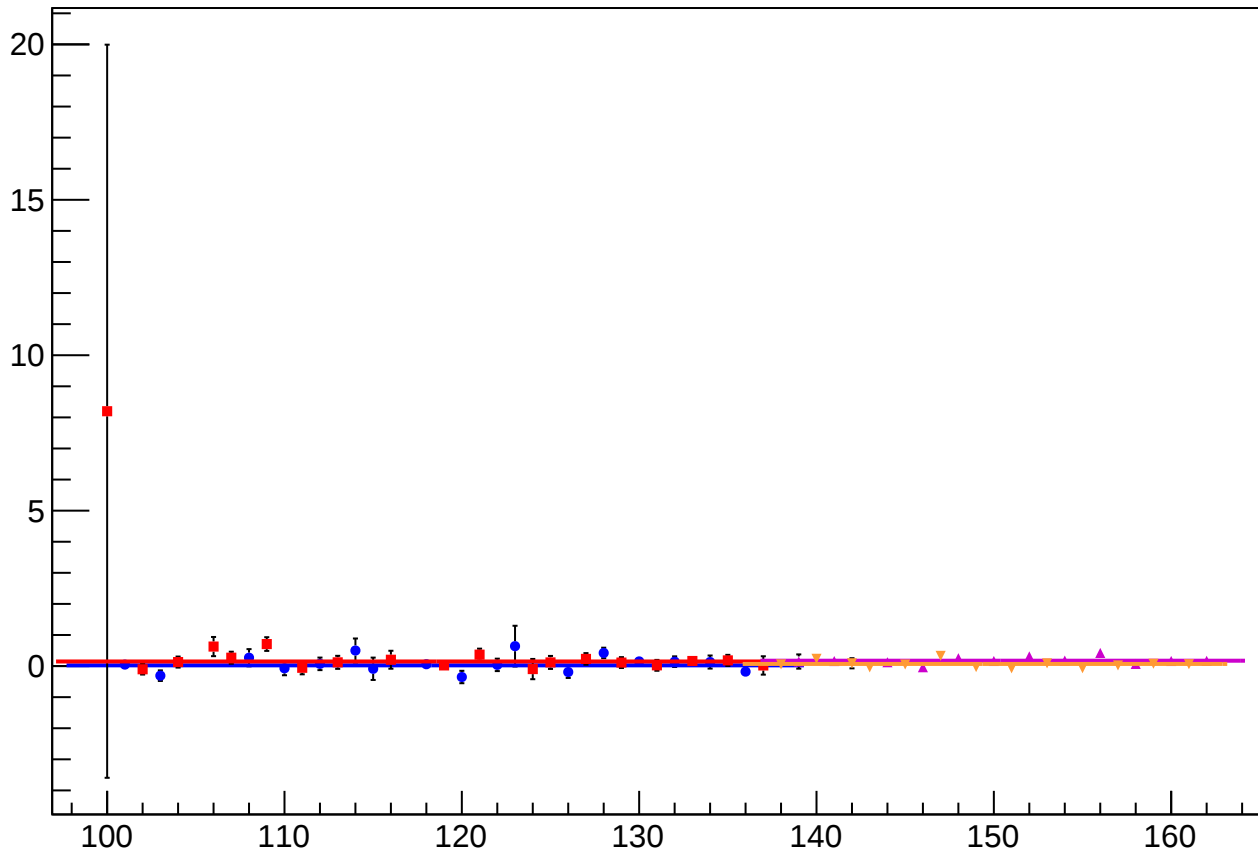
Left In: 0.009 ± 0.041 χ^2/NDF : 11.9/11

+ sign -0.029 ± 0.035 χ^2/NDF : 43.5/29

All: -0.033 ± 0.025 χ^2/NDF : 75.2/60

- sign -0.036 ± 0.035 χ^2/NDF : 31.7/30

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.069 ± 0.034 χ^2/NDF : 13.3/12

Right Out: 0.148 ± 0.045 χ^2/NDF : 16.6/18

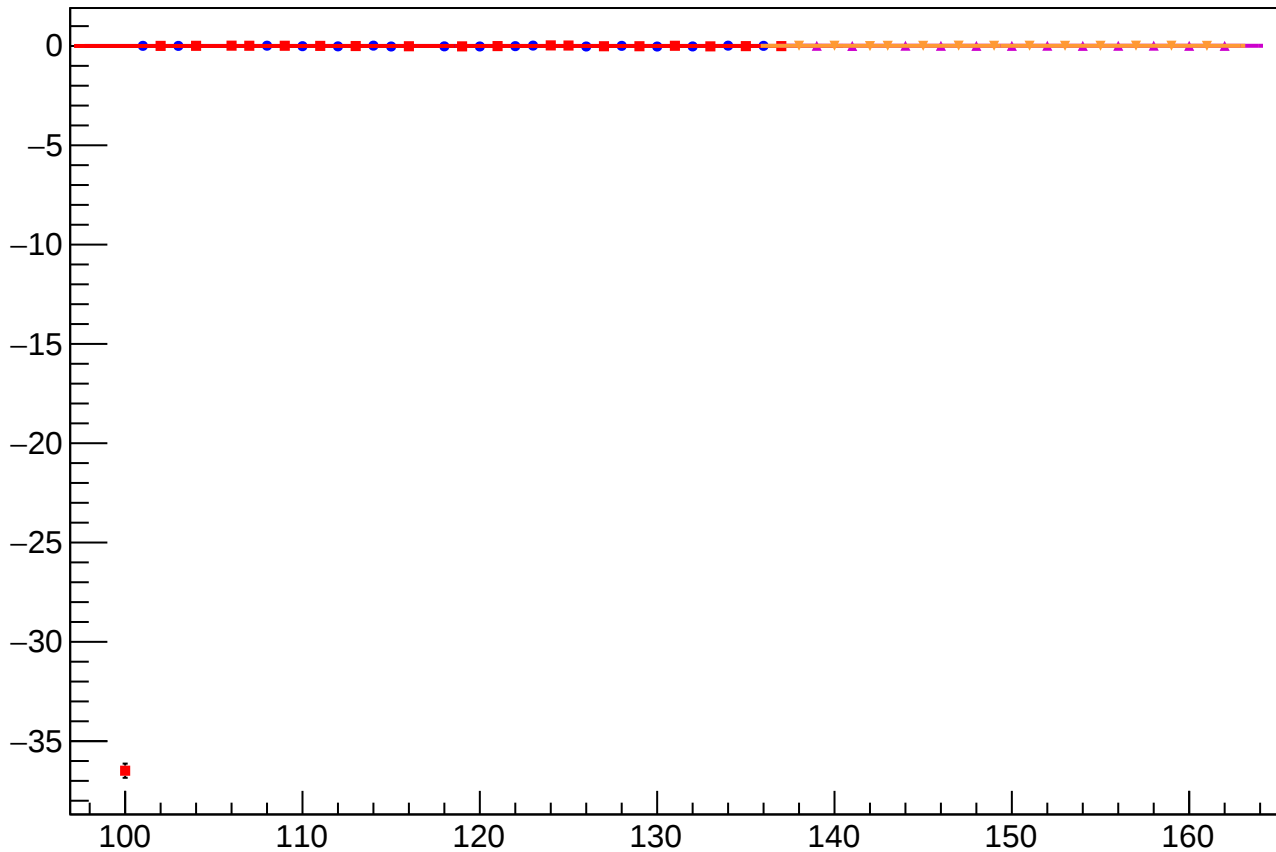
Left In: 0.173 ± 0.035 χ^2/NDF : 10.7/11

+ sign 0.051 ± 0.027 χ^2/NDF : 35.3/29

All: 0.106 ± 0.019 χ^2/NDF : 71.5/60

- sign 0.164 ± 0.027 χ^2/NDF : 27.5/30

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.010 $\pm$ 0.002 χ^2 /NDF: 6.5/12

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

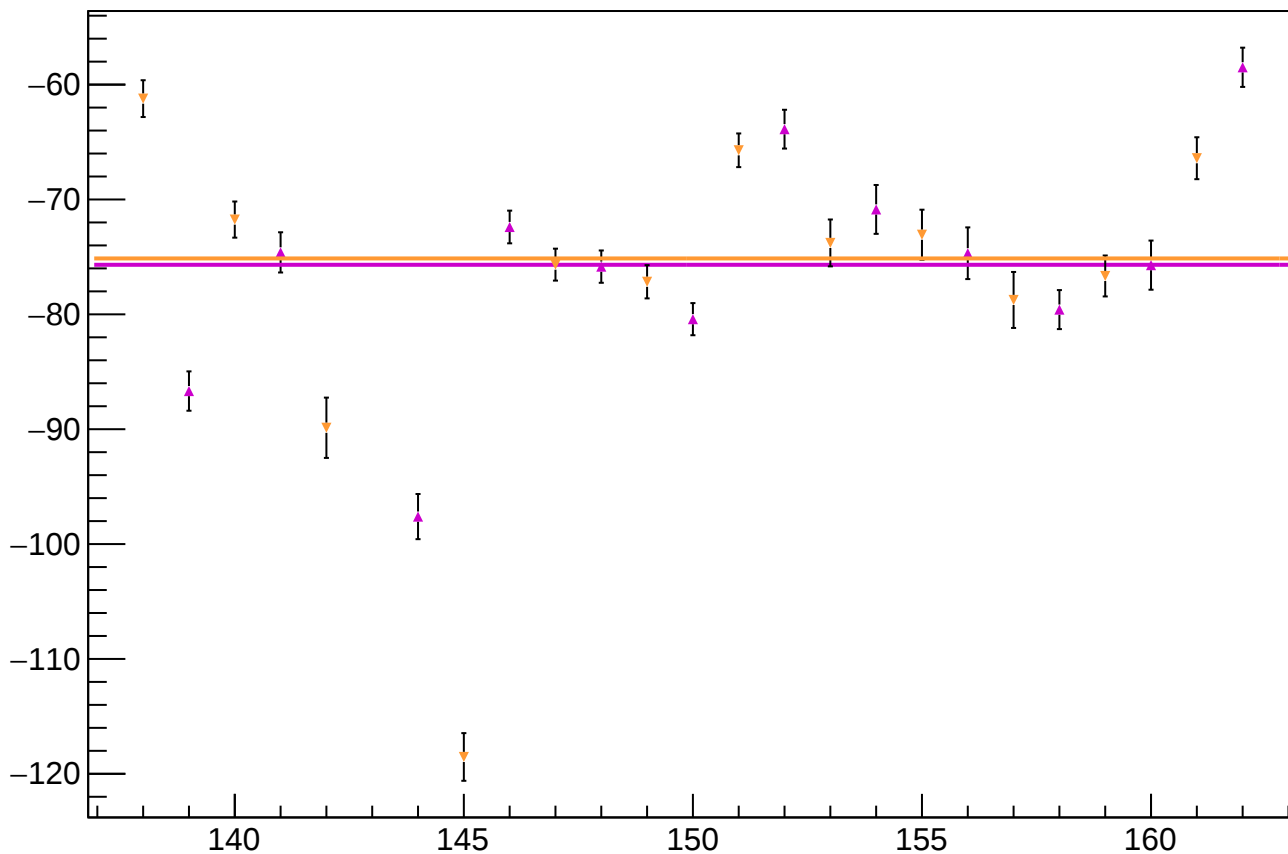
Left In: 0.011 $\pm$ 0.002 χ^2 /NDF: 5.1/11

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 47.5/29

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10513.8/60

- sign 0.007 $\pm$ 0.001 χ^2 /NDF: 10466.3/30

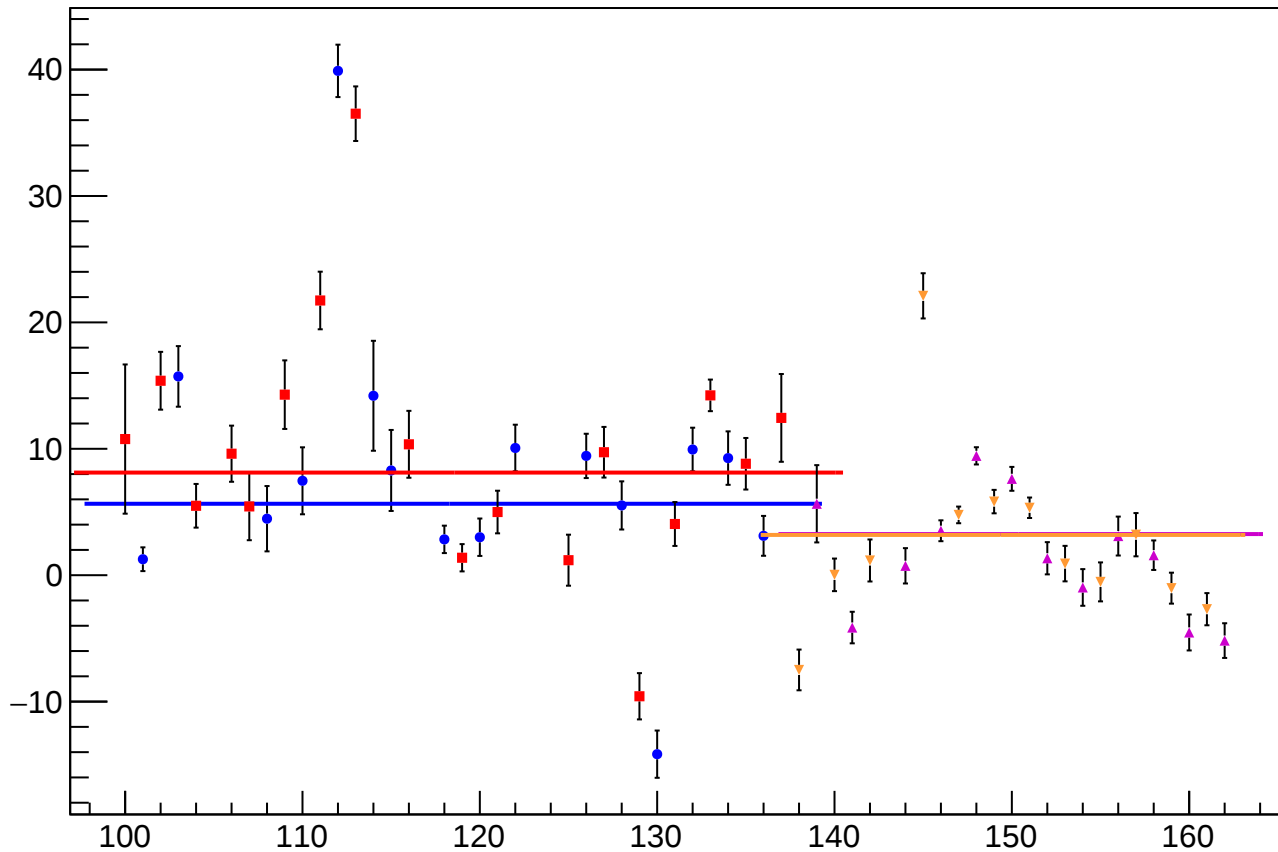
reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -75.134+/-0.509 χ^2/NDF : 619.3/11
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -75.686+/-0.493 χ^2/NDF : 343.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: -75.418+/-0.354 χ^2/NDF : 963.5/23
- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 $\chi^2/\text{NDF}: 461.9/15$

Left Out: 3.187 ± 0.330 $\chi^2/\text{NDF}: 225.8/11$

Right Out: 8.119 ± 0.453 $\chi^2/\text{NDF}: 407.9/17$

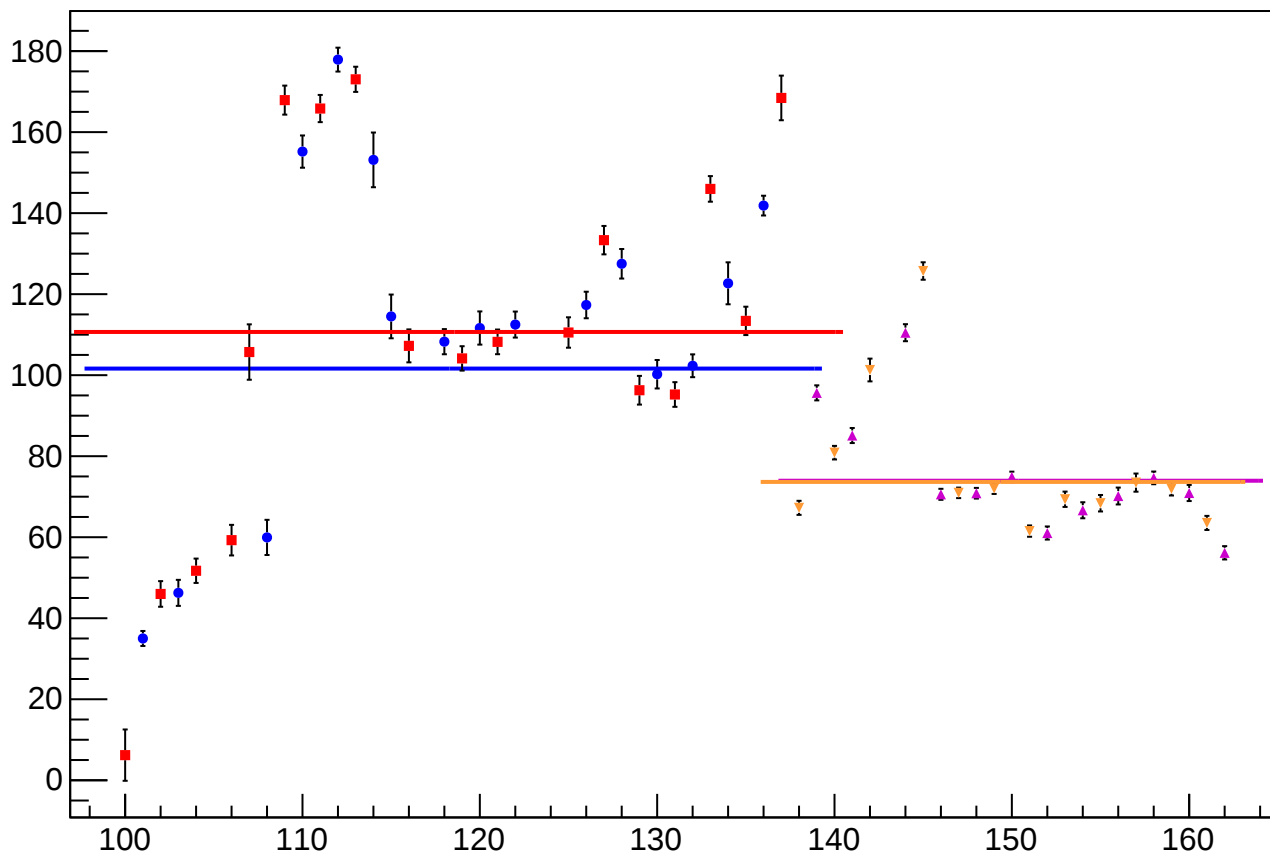
Left In: 3.254 ± 0.328 $\chi^2/\text{NDF}: 223.3/11$

+ sign 4.101 ± 0.261 $\chi^2/\text{NDF}: 708.4/27$

All: 4.510 ± 0.186 $\chi^2/\text{NDF}: 1420.2/57$

- sign 4.932 ± 0.266 $\chi^2/\text{NDF}: 706.9/29$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 73.652 $\pm$ 0.494 χ^2 /NDF: 840.7/11

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

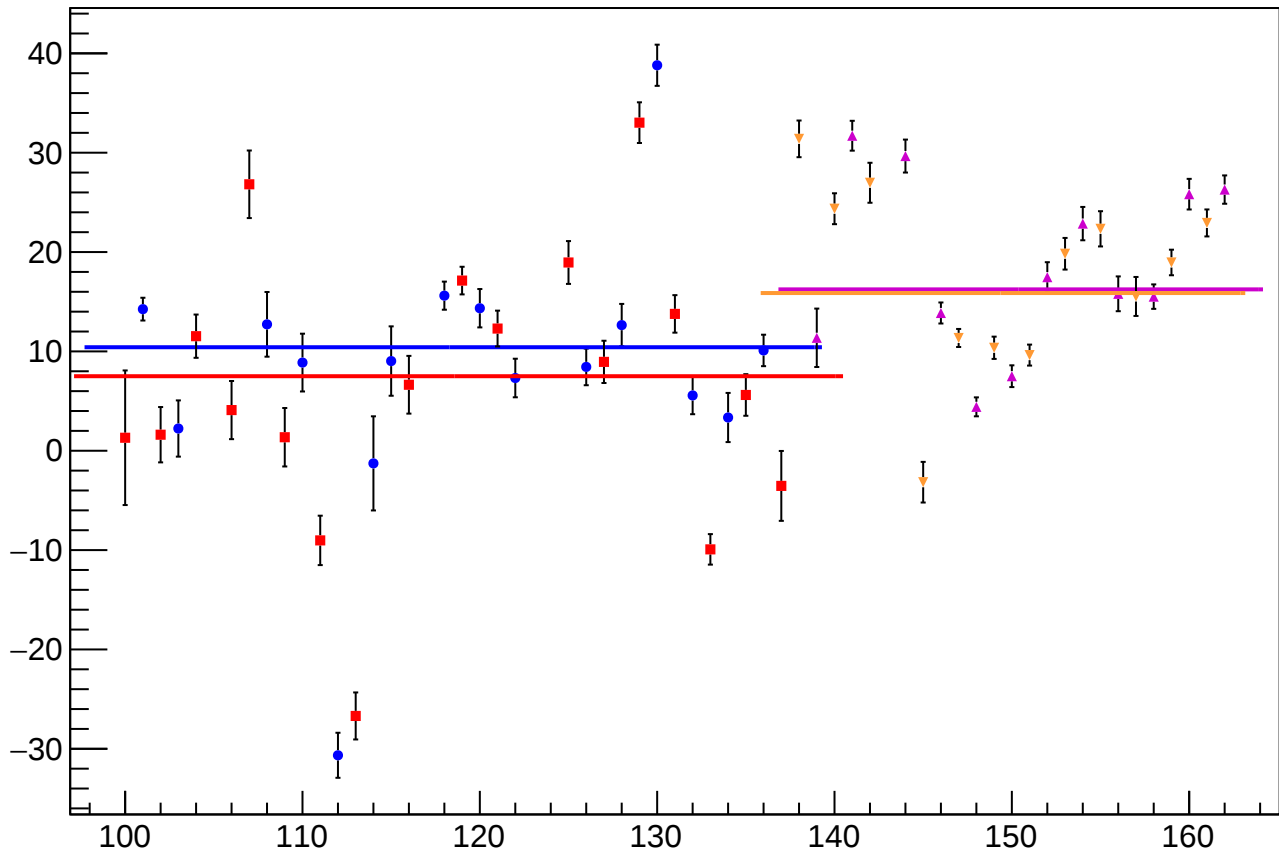
Left In: 73.944 $\pm$ 0.477 χ^2 /NDF: 686.8/11

+ sign 81.209 $\pm$ 0.422 χ^2 /NDF: 4687.3/27

All: 82.097 $\pm$ 0.296 χ^2 /NDF: 9352.9/57

- sign 82.951 $\pm$ 0.414 χ^2 /NDF: 4657.0/29

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 15.874 $\pm$ 0.401 χ^2 /NDF: 353.7/11

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

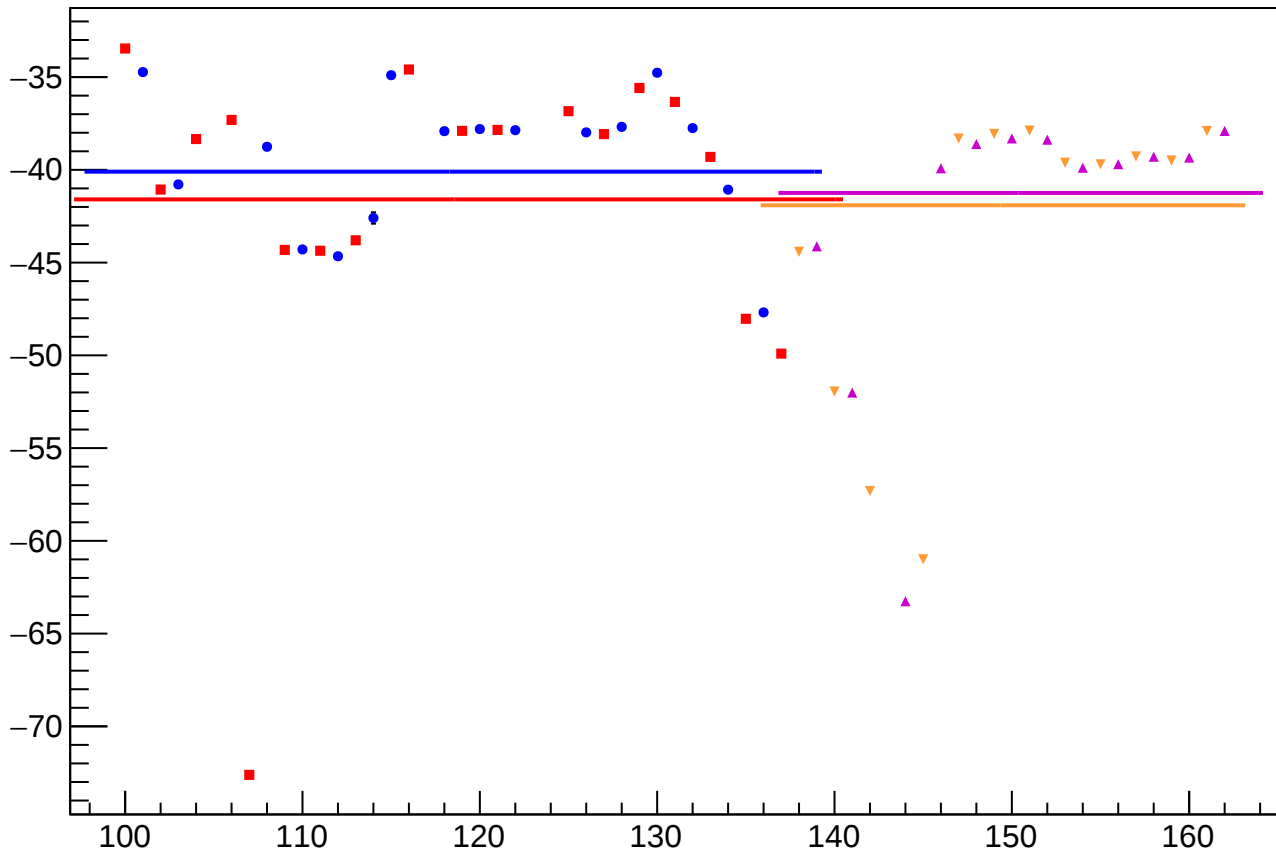
Left In: 16.243 $\pm$ 0.394 χ^2 /NDF: 501.5/11

+ sign 13.725 $\pm$ 0.312 χ^2 /NDF: 1006.3/27

All: 13.405 $\pm$ 0.222 χ^2 /NDF: 2377.4/57

- sign 13.080 $\pm$ 0.315 χ^2 /NDF: 1369.0/29

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -41.911 ± 0.020 χ^2/NDF : 109706.6/11

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

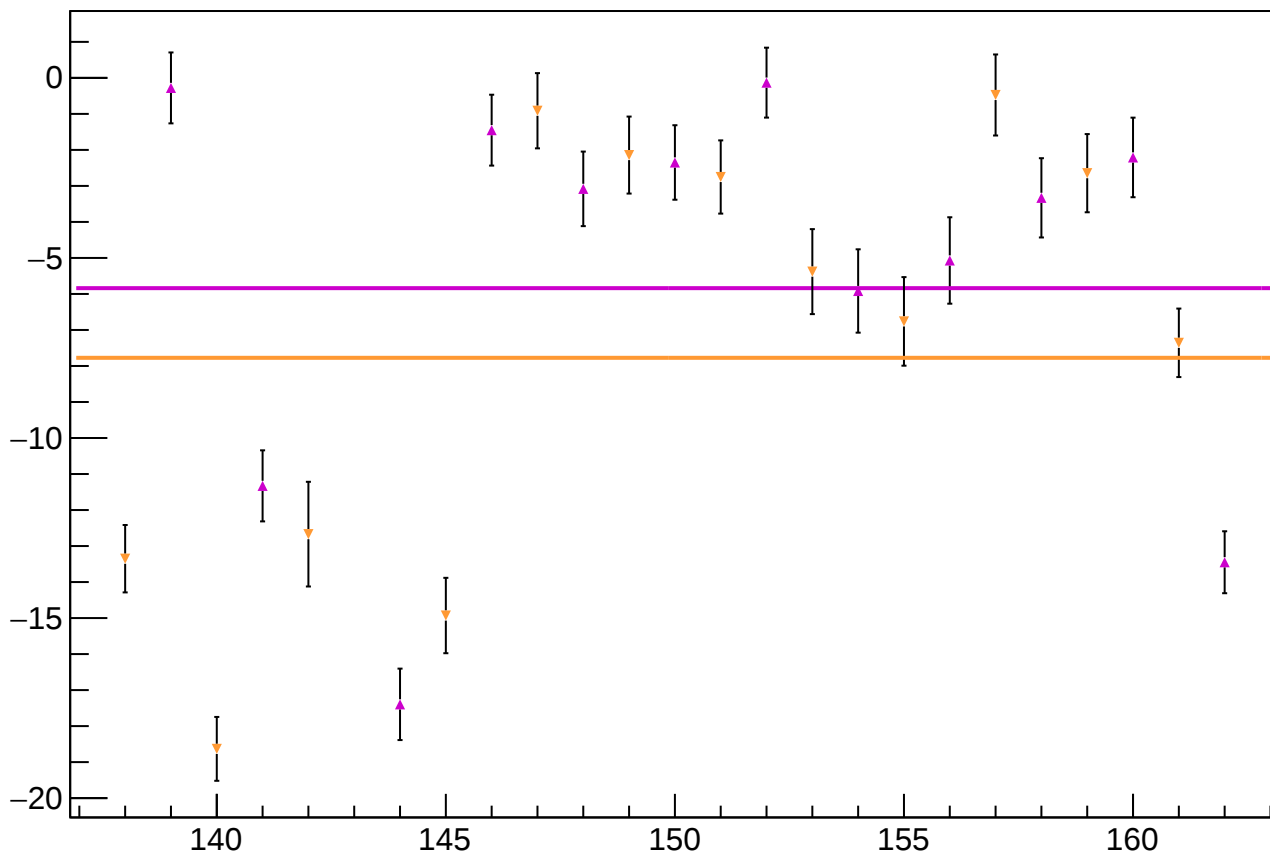
Left In: -41.244 ± 0.019 χ^2/NDF : 92173.6/11

+ sign -41.317 ± 0.016 χ^2/NDF : 137535.5/27

All: -41.334 ± 0.011 χ^2/NDF : 291492.3/57

- sign -41.349 ± 0.016 χ^2/NDF : 153954.8/29

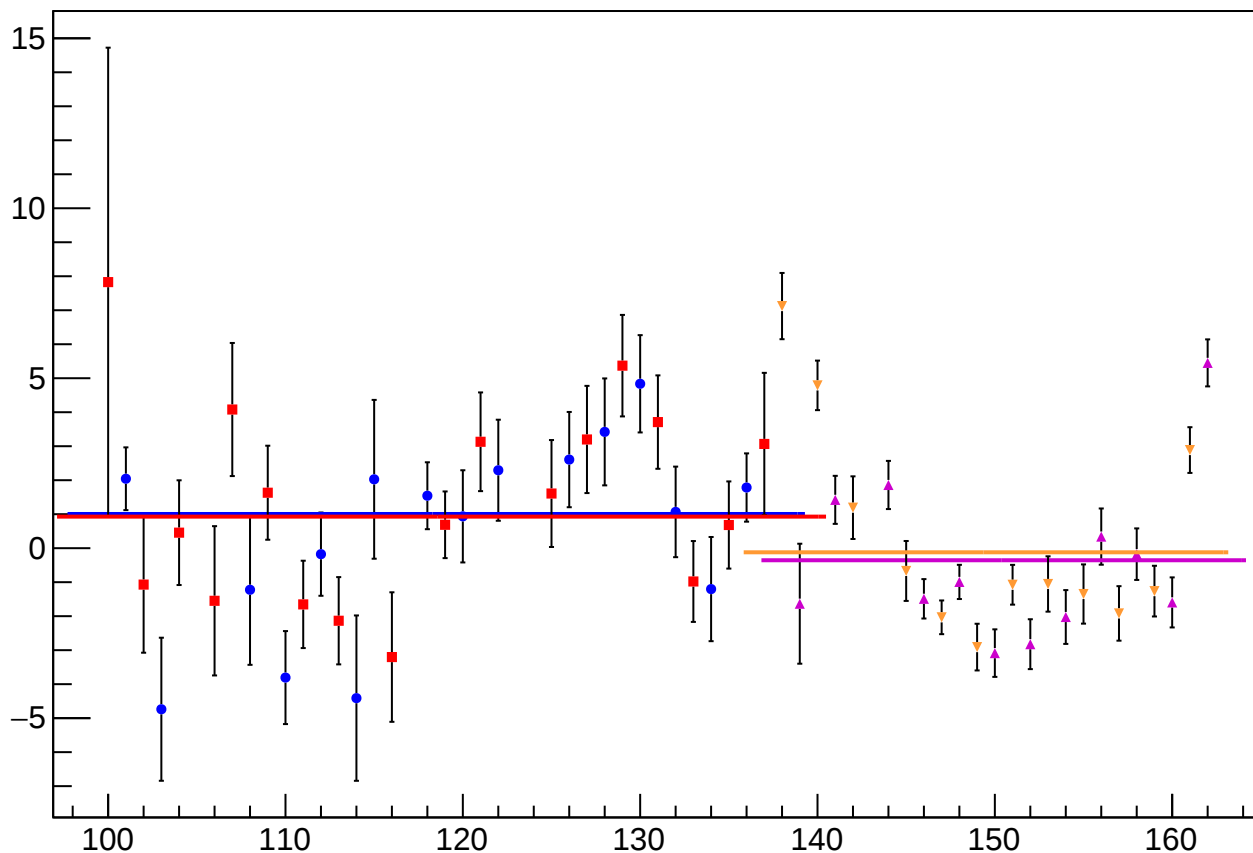
reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.773 $\pm$ 0.306 χ^2 /NDF:408.2/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.839 $\pm$ 0.295 χ^2 /NDF:366.2/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -6.771 $\pm$ 0.212 χ^2 /NDF: 795.1/23
 - 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: -0.121 ± 0.209 χ^2/NDF : 167.8/11

Right Out: 0.929 ± 0.353 χ^2/NDF : 41.9/17

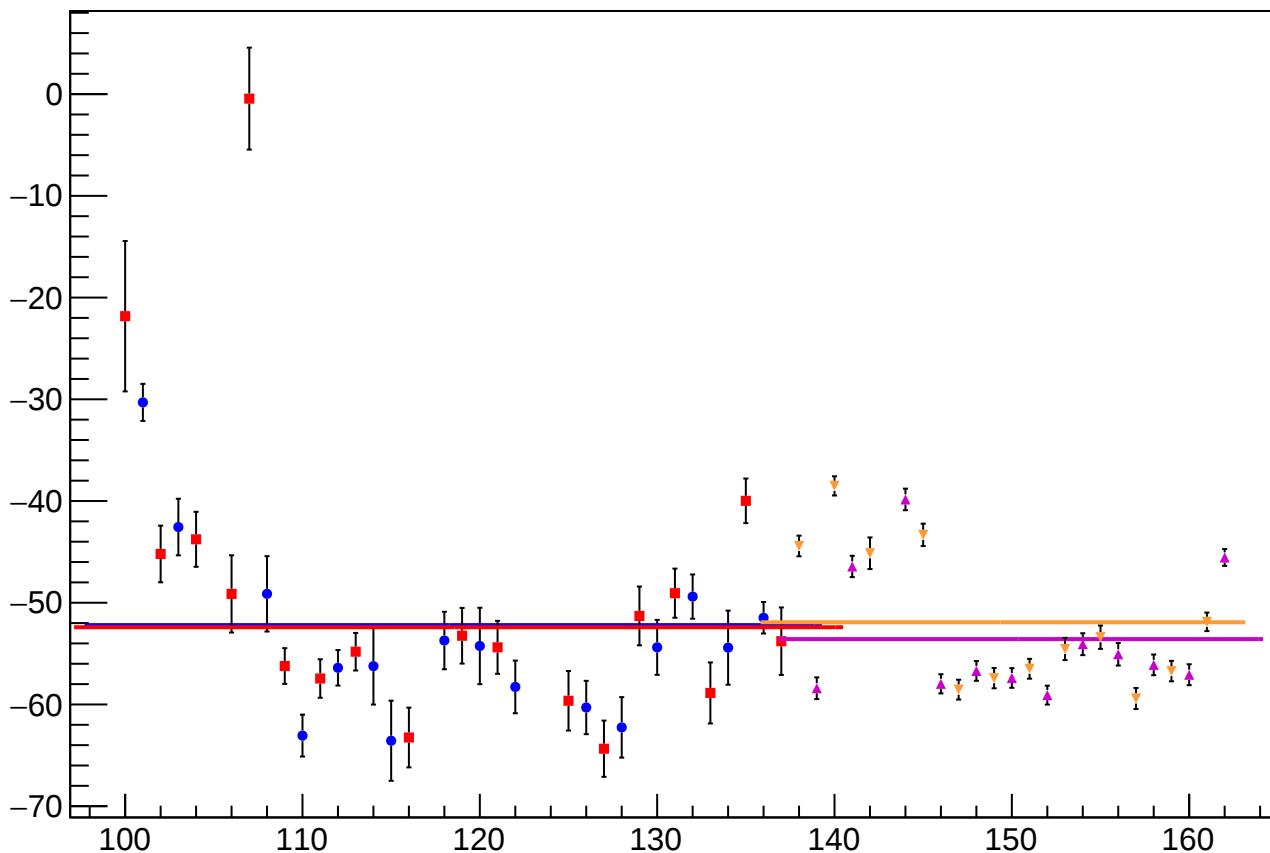
Left In: -0.355 ± 0.205 χ^2/NDF : 127.1/11

+ sign 0.186 ± 0.178 χ^2/NDF : 218.4/27

All: 0.076 ± 0.126 χ^2/NDF : 398.1/57

- sign -0.032 ± 0.177 χ^2/NDF : 178.9/29

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.921 ± 0.299 χ^2/NDF : 517.1/11

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

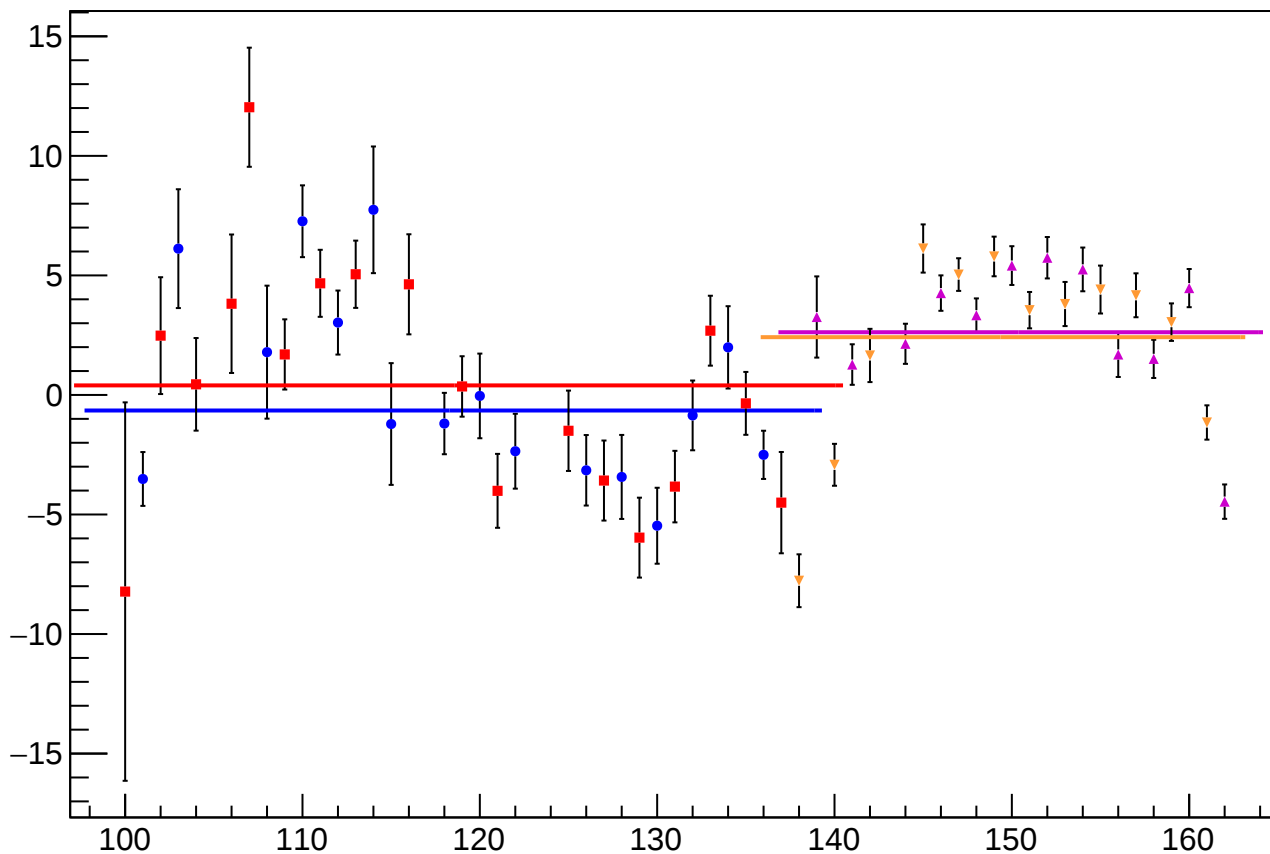
Left In: -53.574 ± 0.287 χ^2/NDF : 430.9/11

+ sign -51.975 ± 0.269 χ^2/NDF : 747.9/27

All: -52.694 ± 0.187 χ^2/NDF : 1429.5/57

- sign -53.366 ± 0.260 χ^2/NDF : 667.7/29

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 2.417 ± 0.249 χ^2/NDF : 204.8/11

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

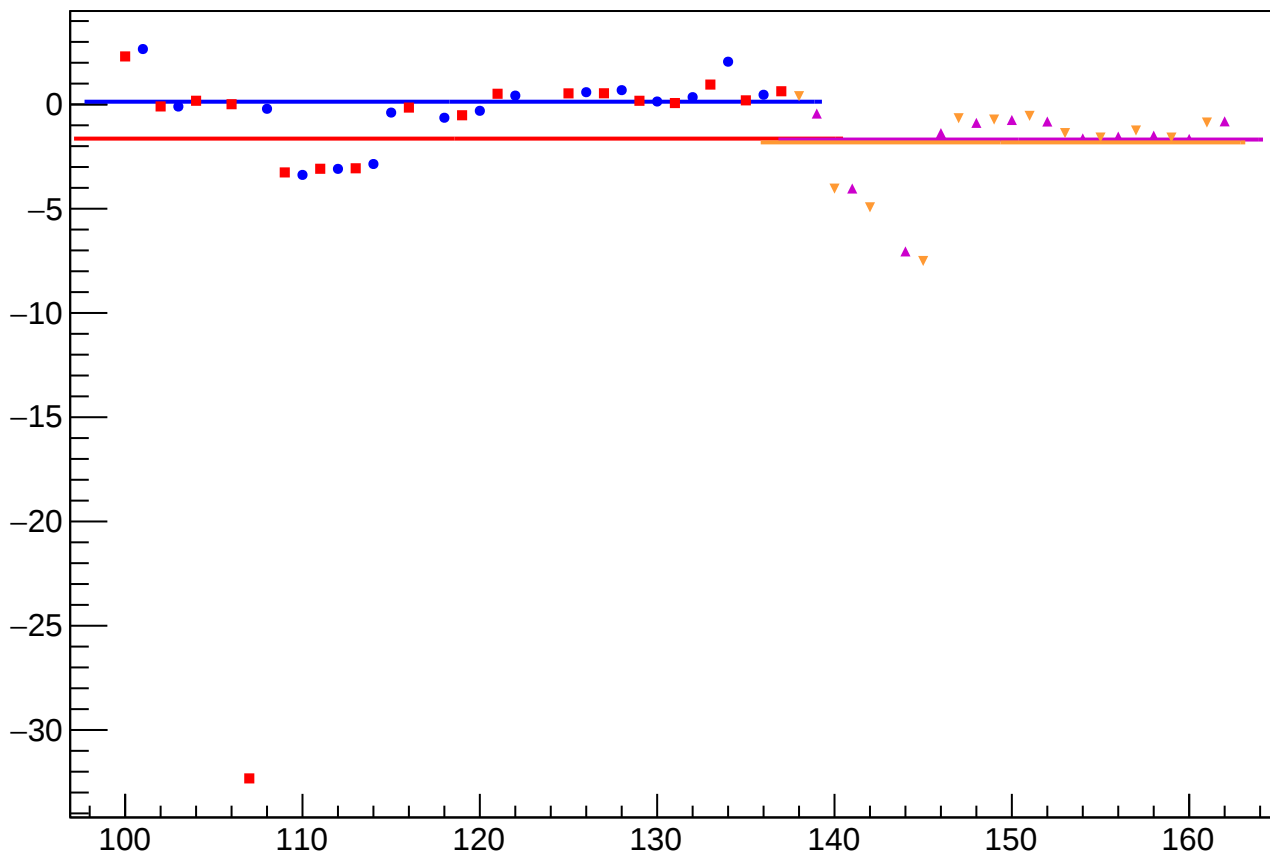
Left In: 2.623 ± 0.241 χ^2/NDF : 147.3/11

+ sign 1.519 ± 0.209 χ^2/NDF : 331.2/27

All: 1.779 ± 0.147 χ^2/NDF : 600.2/57

- sign 2.031 ± 0.206 χ^2/NDF : 265.9/29

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.819 ± 0.012 $\chi^2/\text{NDF}: 29307.5/11$

Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$

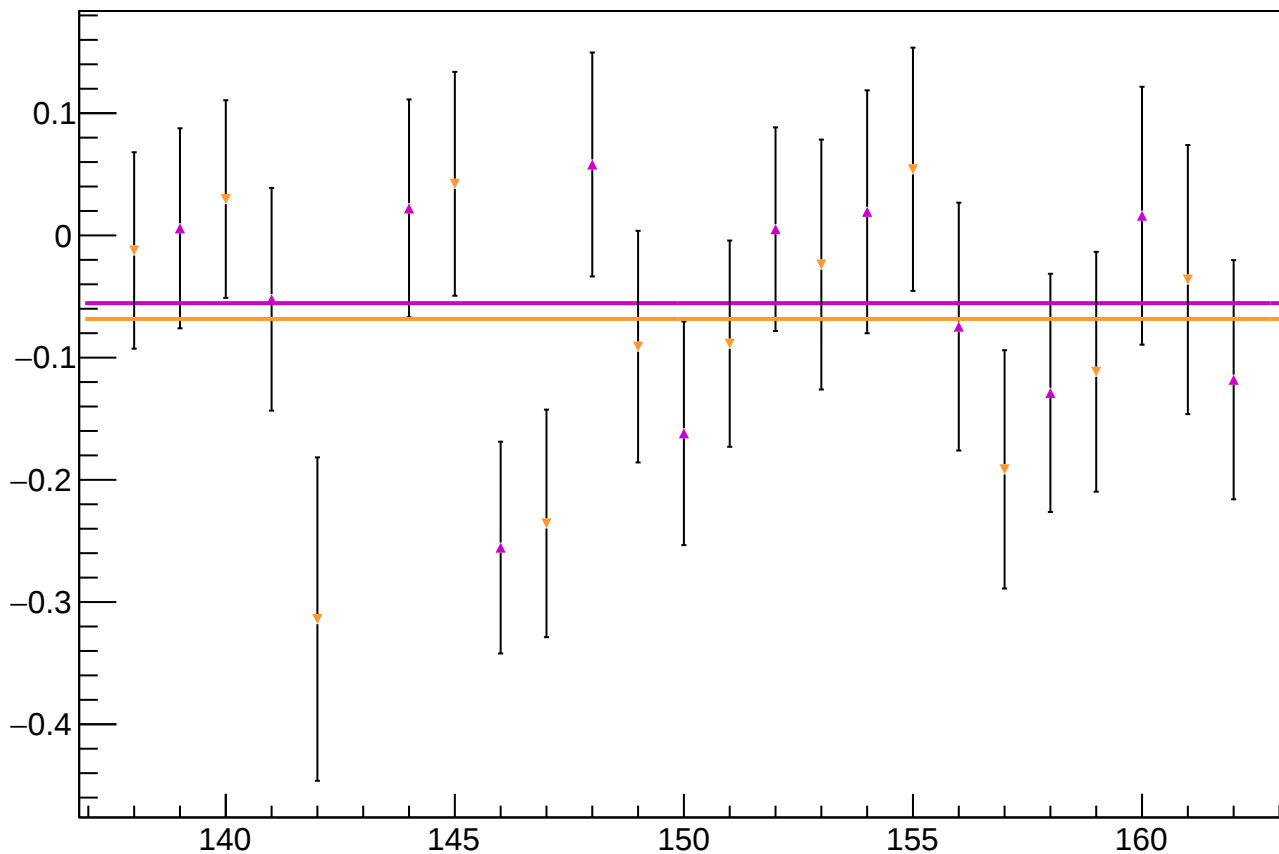
Left In: -1.683 ± 0.011 $\chi^2/\text{NDF}: 19812.5/11$

+ sign -1.377 ± 0.010 $\chi^2/\text{NDF}: 40888.9/27$

All: -1.530 ± 0.007 $\chi^2/\text{NDF}: 138983.2/57$

- sign -1.674 ± 0.010 $\chi^2/\text{NDF}: 97664.2/29$

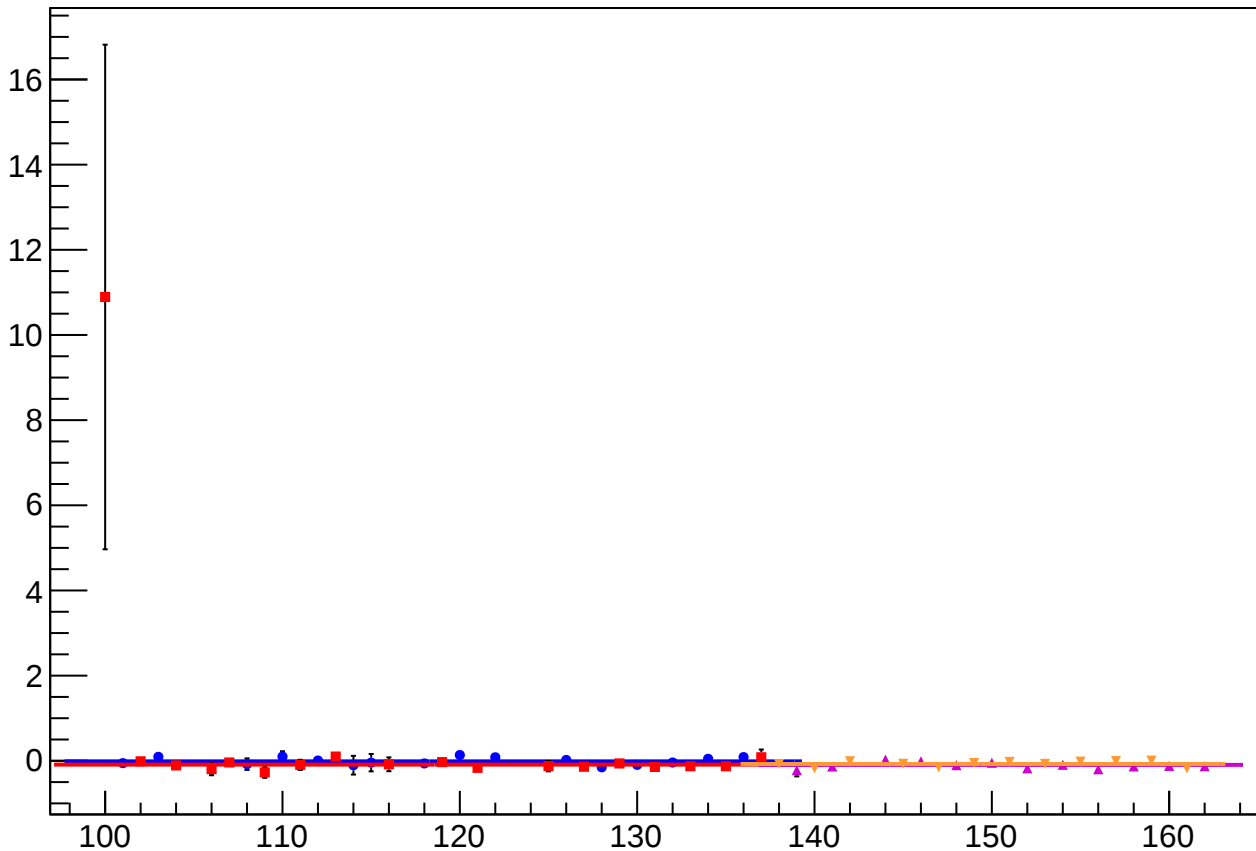
reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.068 $\pm$ 0.027 χ^2 /NDF:13.8/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.055 $\pm$ 0.027 χ^2 /NDF:12.1/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.062 $\pm$ 0.019 χ^2 /NDF: 26.0/23
 - 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: -0.075 ± 0.019 χ^2/NDF : 12.1/11

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

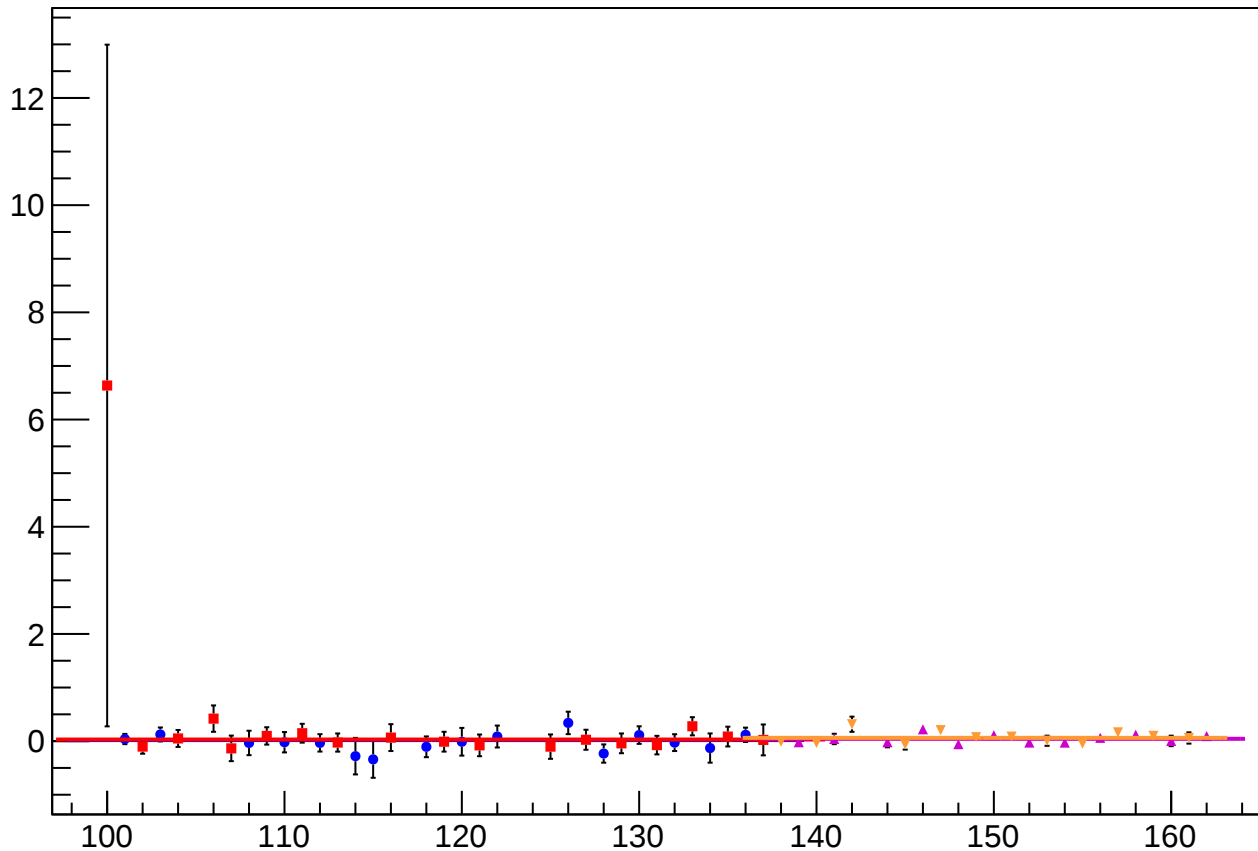
Left In: -0.096 ± 0.018 χ^2/NDF : 12.6/11

+ sign -0.051 ± 0.015 χ^2/NDF : 28.1/27

All: -0.072 ± 0.010 χ^2/NDF : 57.8/57

- sign -0.094 ± 0.015 χ^2/NDF : 25.6/29

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.061 $\pm$ 0.027 χ^2 /NDF:12.7/11

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

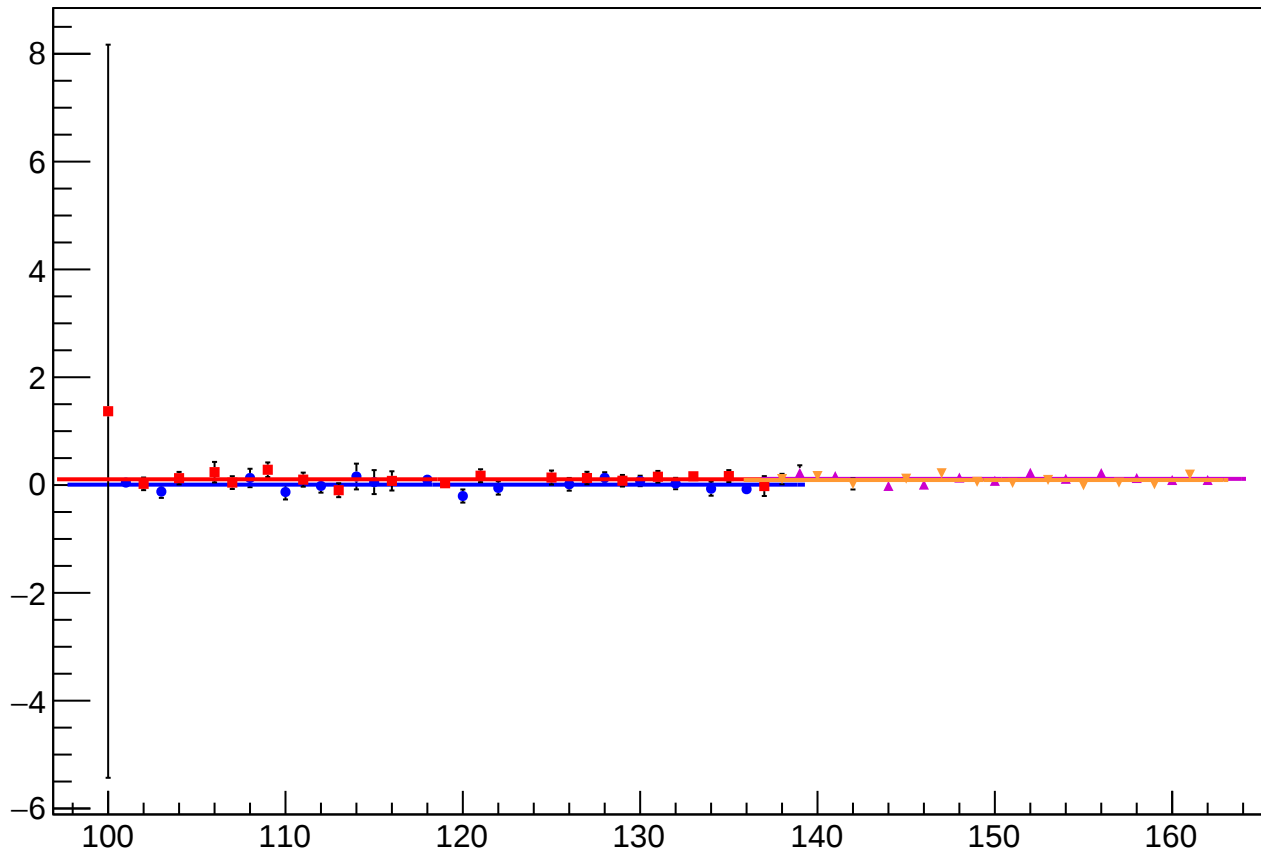
Left In: 0.043 $\pm$ 0.026 χ^2 /NDF:10.1/11

+ sign 0.050 $\pm$ 0.023 χ^2 /NDF: 22.4/27

All: 0.045 $\pm$ 0.016 χ^2 /NDF: 41.9/57

- sign 0.040 $\pm$ 0.022 χ^2 /NDF: 19.4/29

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.093 ± 0.022 χ^2/NDF : 11.2/11

Right Out: 0.107 ± 0.029 χ^2/NDF : 8.2/17

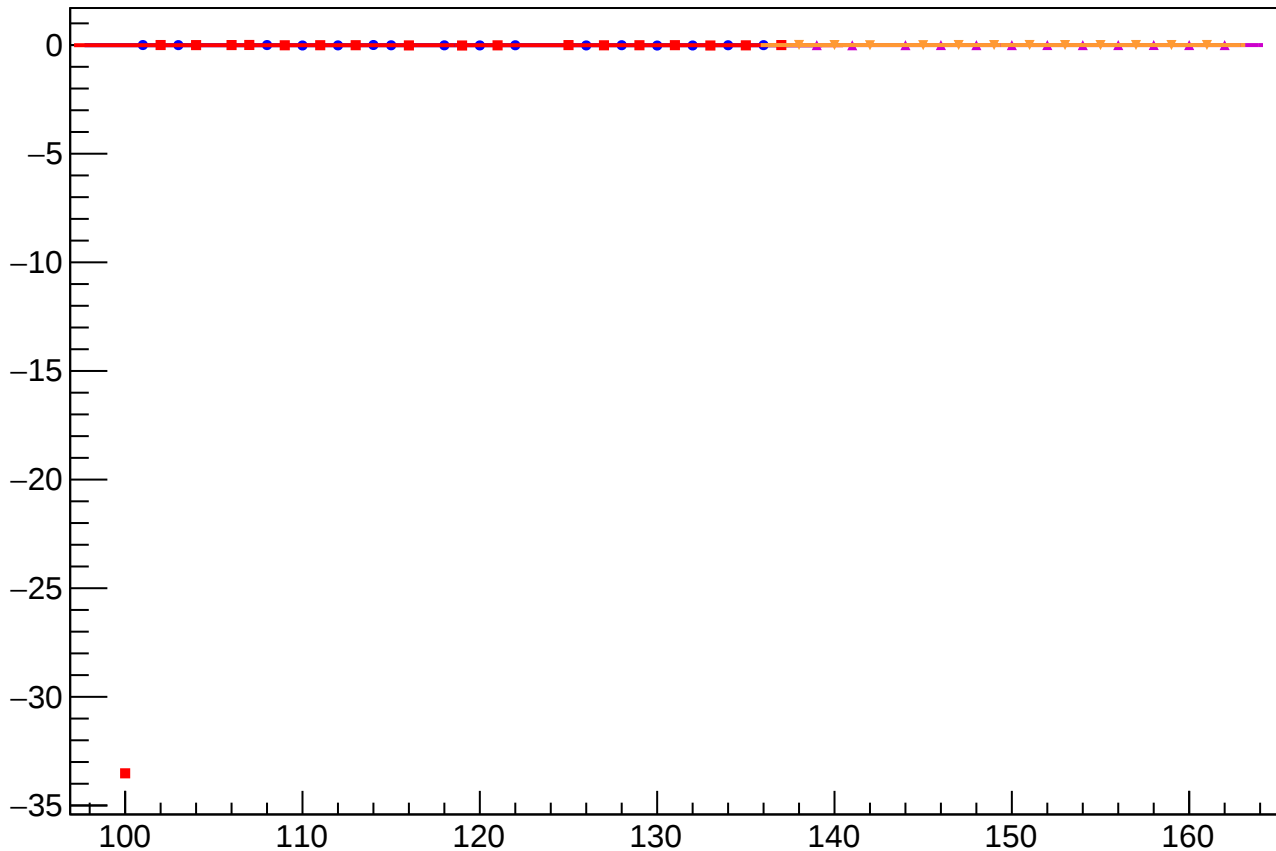
Left In: 0.115 ± 0.022 χ^2/NDF : 11.4/11

+ sign 0.058 ± 0.017 χ^2/NDF : 28.3/27

All: 0.085 ± 0.012 χ^2/NDF : 52.7/57

- sign 0.112 ± 0.017 χ^2/NDF : 19.6/29

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 : 7.3/11

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.7/17

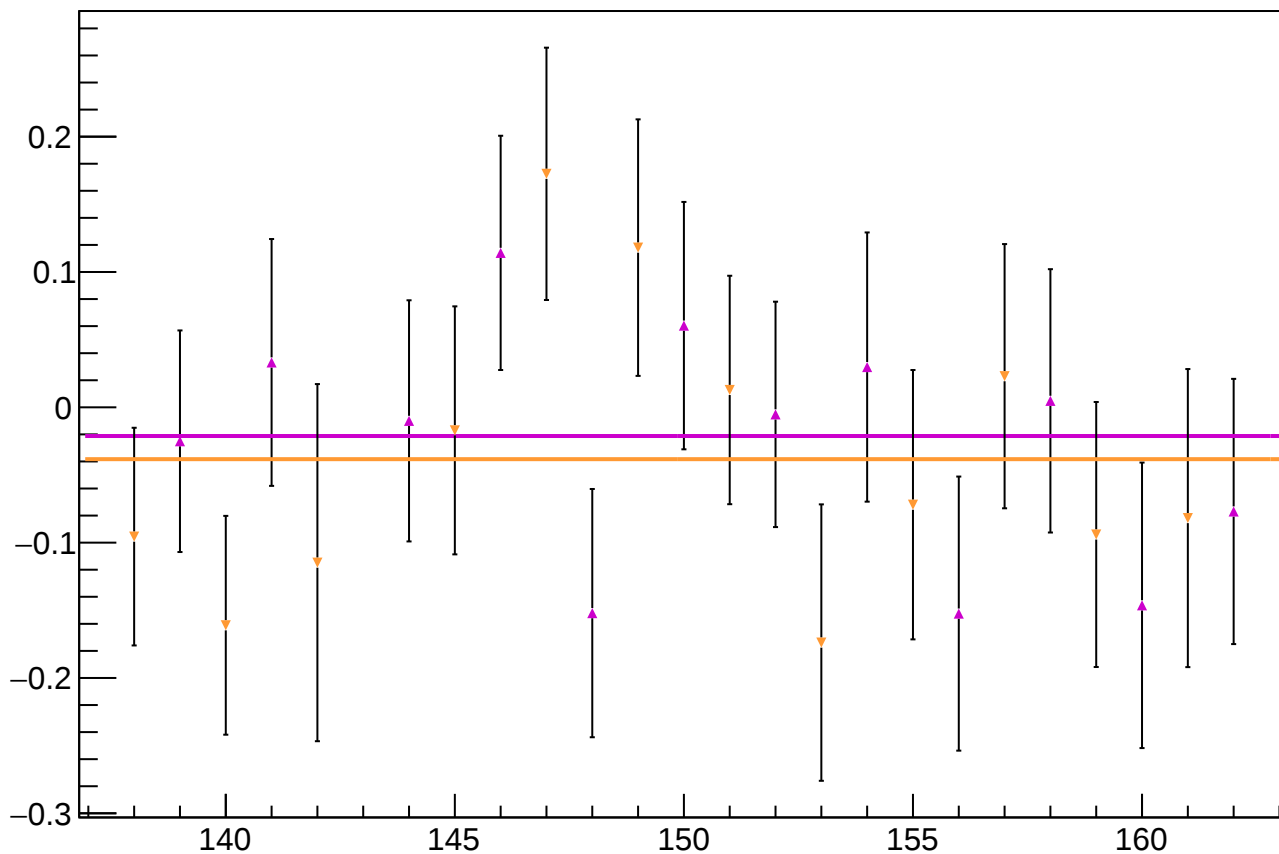
Left In: 0.000 ± 0.001 χ^2/NDF : 7.5/11

+ sign -0.001 ± 0.001 χ^2/NDF : 42.6/27

All: -0.001 ± 0.001 χ^2/NDF : 26570.8/57

- sign -0.002 ± 0.001 χ^2/NDF : 26527.9/29

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.038 $\pm$ 0.027 χ^2 /NDF:14.2/11

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

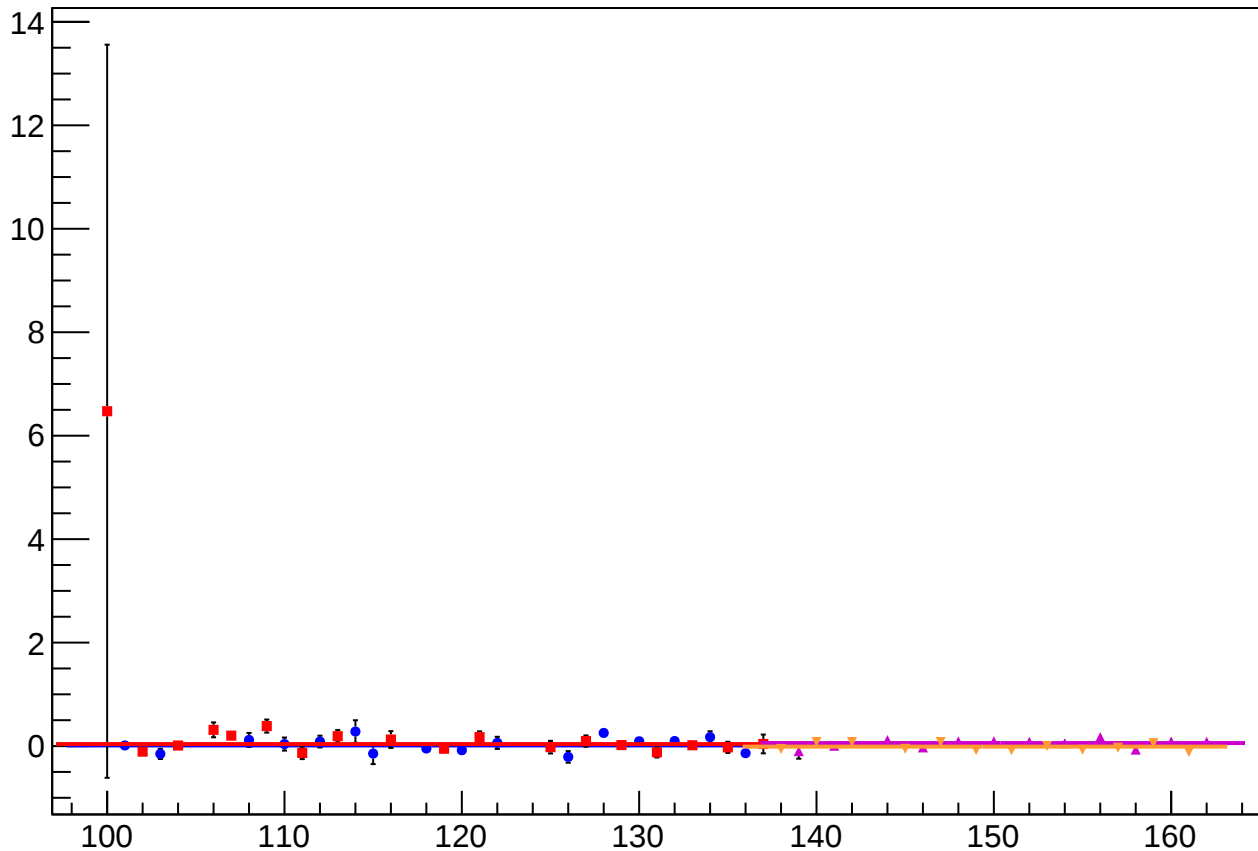
Left In: -0.021 $\pm$ 0.027 χ^2 /NDF:9.4/11

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

All: -0.030 $\pm$ 0.019 χ^2 /NDF: 23.8/23

- 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: -0.011 ± 0.019 χ^2/NDF : 14.3/11

Right Out: 0.038 ± 0.025 χ^2/NDF : 28.4/17

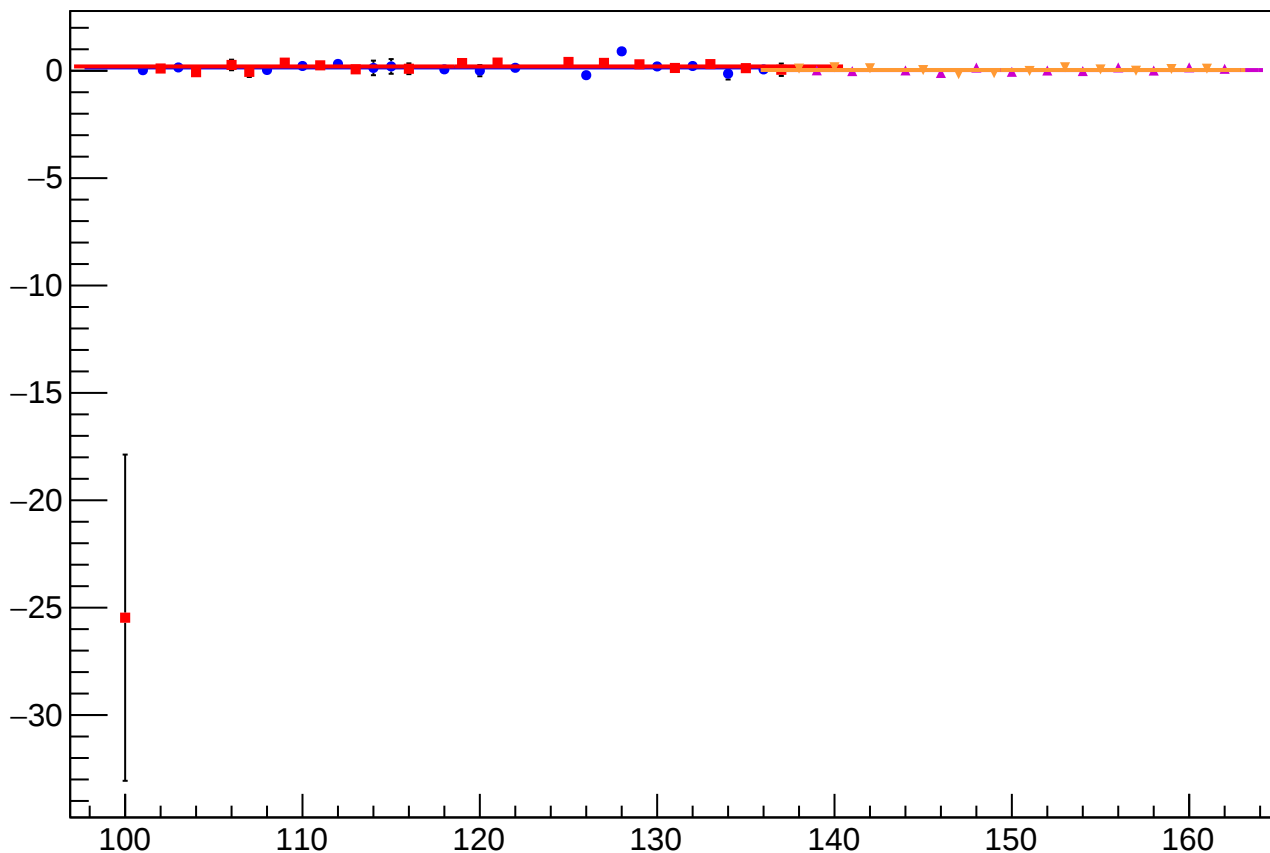
Left In: 0.058 ± 0.018 χ^2/NDF : 12.6/11

+ sign -0.002 ± 0.015 χ^2/NDF : 39.9/27

All: 0.024 ± 0.010 χ^2/NDF : 87.9/57

- sign 0.051 ± 0.015 χ^2/NDF : 41.5/29

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 ± 0.043 $\chi^2/\text{NDF}: 27.9/15$

Left Out: 0.036 ± 0.027 $\chi^2/\text{NDF}: 13.7/11$

Right Out: 0.201 ± 0.045 $\chi^2/\text{NDF}: 22.6/17$

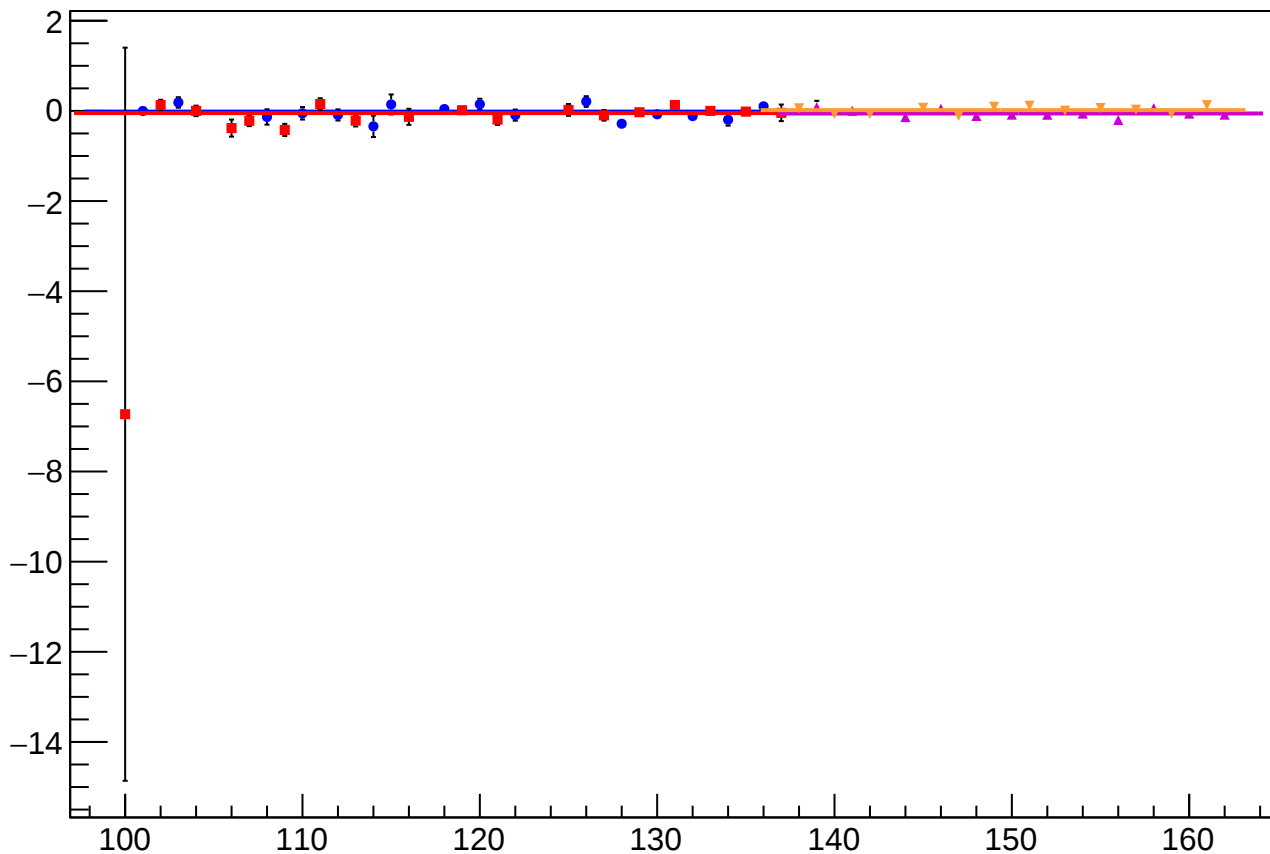
Left In: 0.032 ± 0.026 $\chi^2/\text{NDF}: 9.8/11$

+ sign 0.069 ± 0.023 $\chi^2/\text{NDF}: 47.2/27$

All: 0.072 ± 0.016 $\chi^2/\text{NDF}: 90.1/57$

- sign 0.074 ± 0.022 $\chi^2/\text{NDF}: 43.0/29$

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.017 ± 0.022 χ^2/NDF : 13.4/11

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

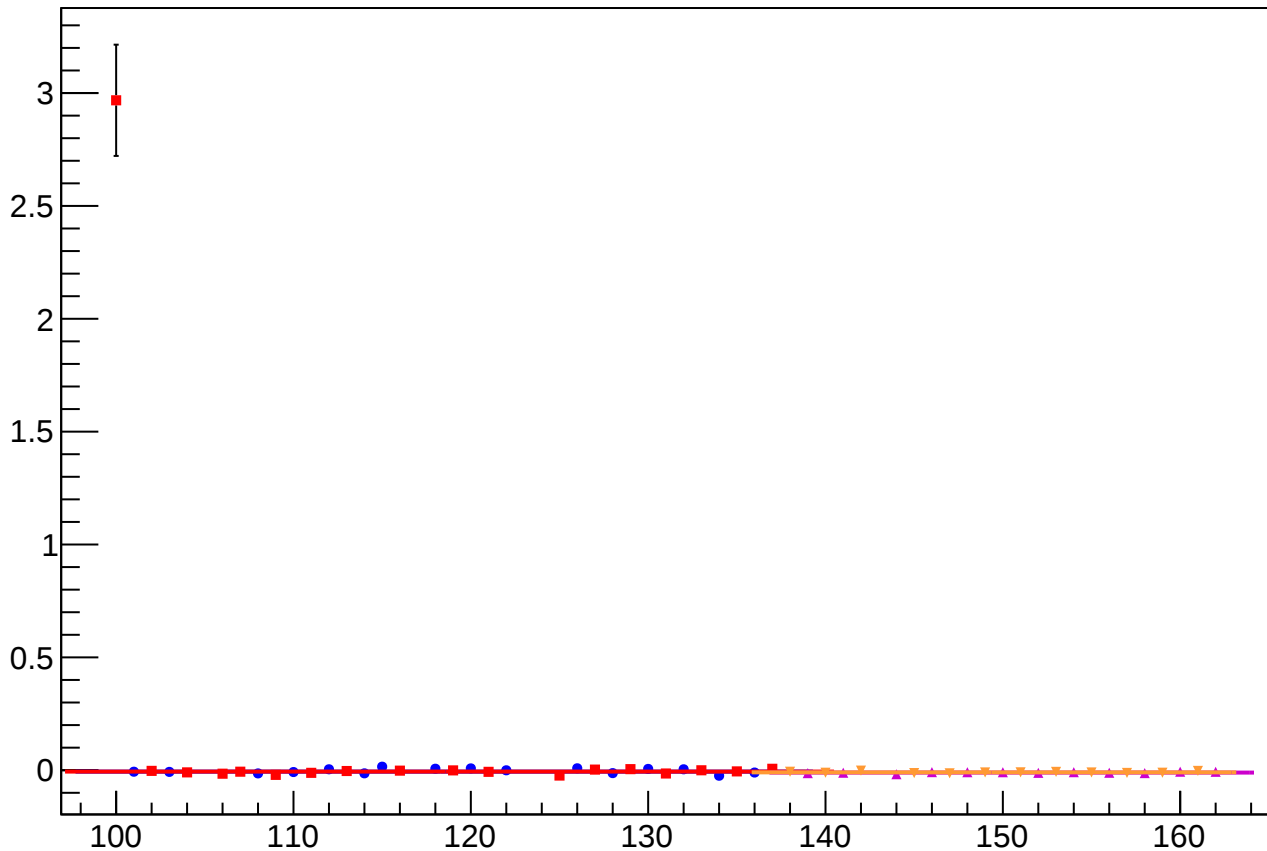
Left In: -0.057 ± 0.022 χ^2/NDF : 12.6/11

+ sign 0.004 ± 0.017 χ^2/NDF : 38.6/27

All: -0.025 ± 0.012 χ^2/NDF : 82.8/57

- sign -0.054 ± 0.017 χ^2/NDF : 38.6/29

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.009 ± 0.001 χ^2/NDF : 8.5/11

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

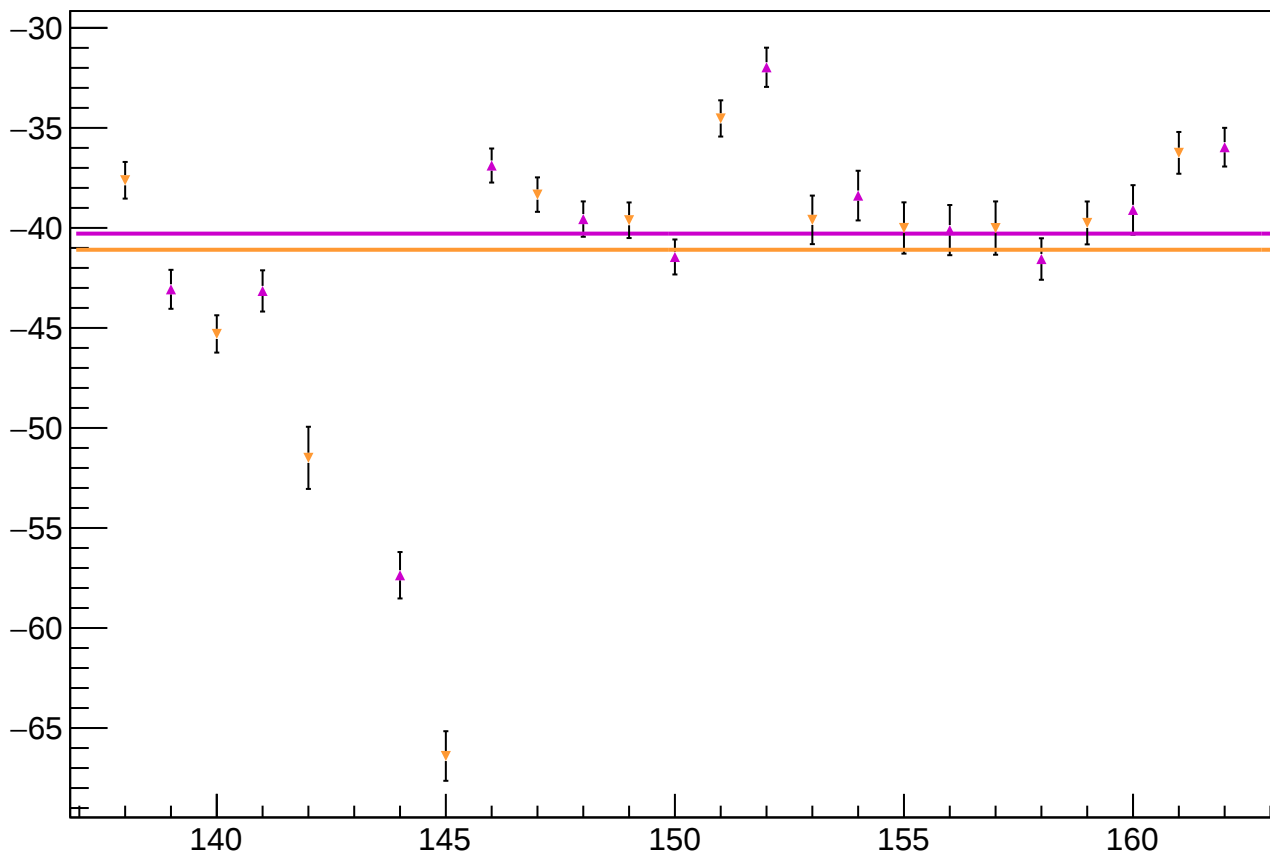
Left In: -0.010 ± 0.001 χ^2/NDF : 7.3/11

+ sign -0.008 ± 0.001 χ^2/NDF : 39.1/27

All: -0.009 ± 0.001 χ^2/NDF : 219.0/57

- sign -0.009 ± 0.001 χ^2/NDF : 179.5/29

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -41.092+/-0.303 χ^2/NDF : 587.9/11

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

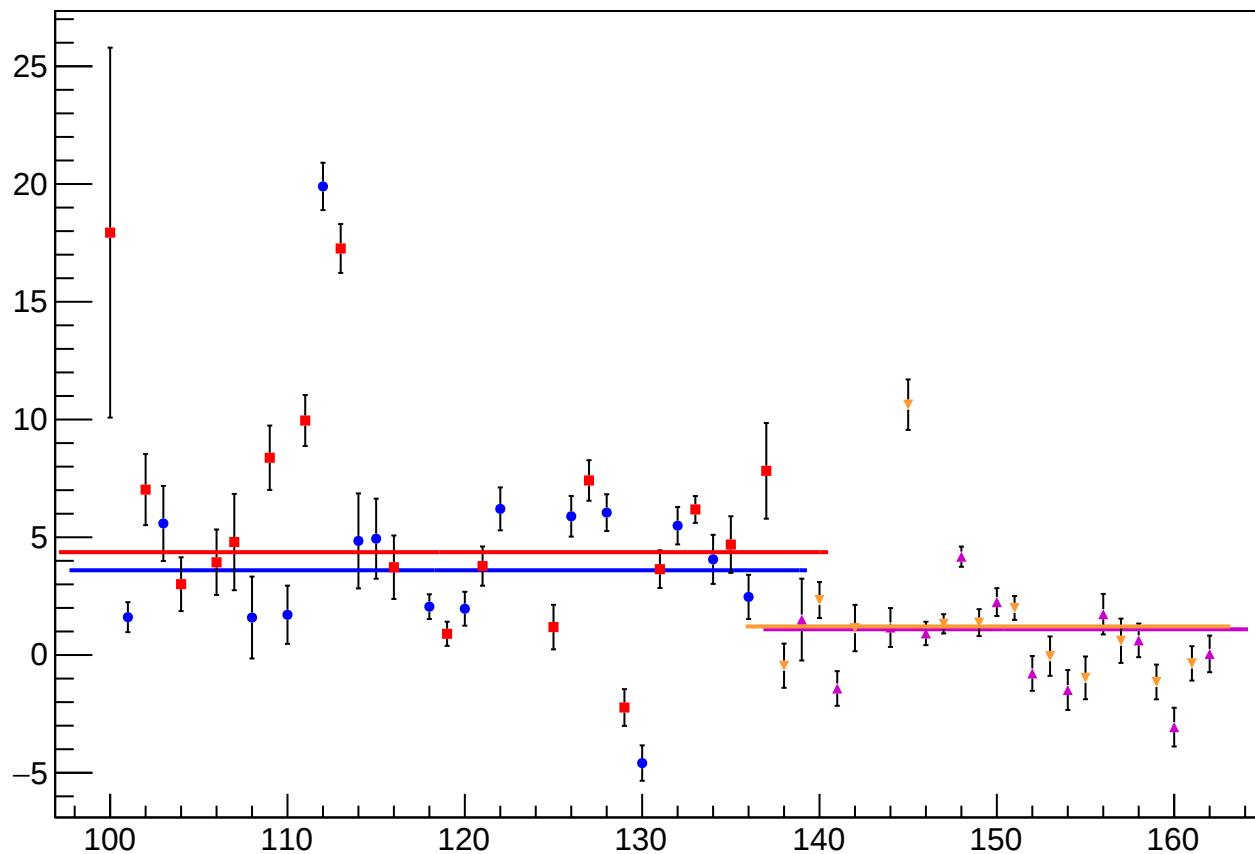
Left In: -40.285+/-0.293 χ^2/NDF : 347.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -40.674+/-0.211 χ^2/NDF : 939.2/23

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 1.212 ± 0.199 χ^2/NDF : 108.5/11

Right Out: 4.367 ± 0.225 χ^2/NDF : 353.1/17

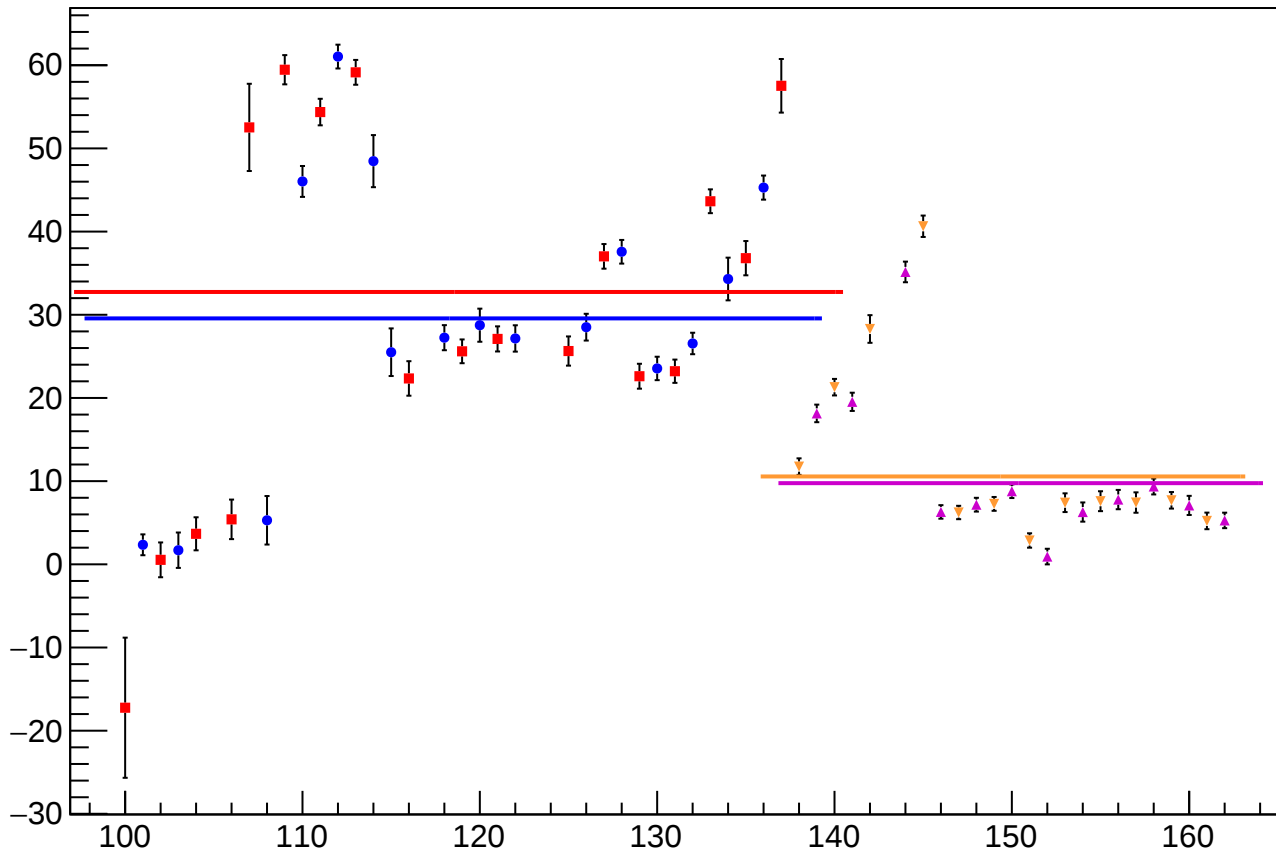
Left In: 1.093 ± 0.197 χ^2/NDF : 111.4/11

+ sign 2.286 ± 0.148 χ^2/NDF : 616.4/27

All: 2.402 ± 0.105 χ^2/NDF : 1201.9/57

- sign 2.519 ± 0.148 χ^2/NDF : 584.2/29

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 ± 0.420 $\chi^2/\text{NDF}: 1494.6/15$

Left Out: 10.562 ± 0.295 $\chi^2/\text{NDF}: 960.0/11$

Right Out: 32.741 ± 0.423 $\chi^2/\text{NDF}: 1663.3/17$

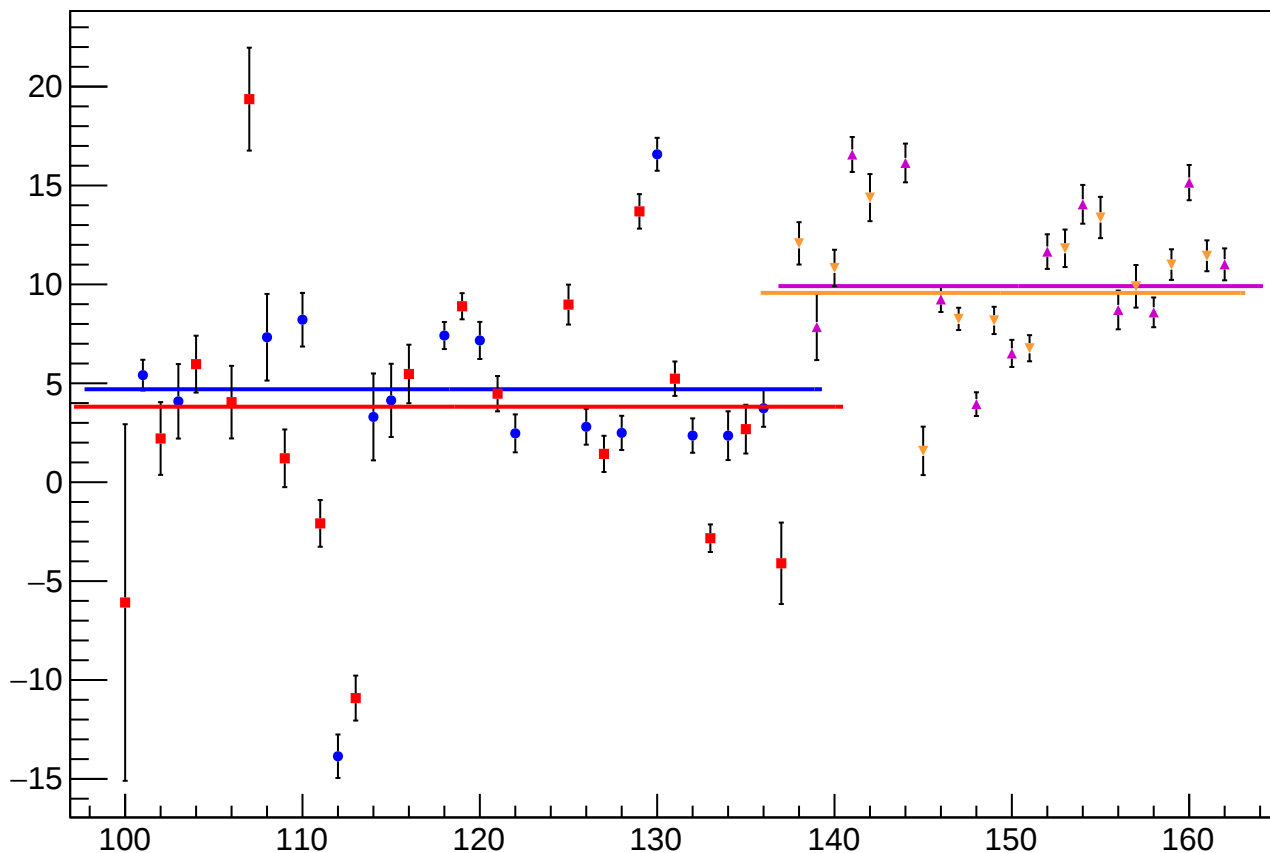
Left In: 9.758 ± 0.283 $\chi^2/\text{NDF}: 719.6/11$

+ sign 16.850 ± 0.241 $\chi^2/\text{NDF}: 3827.2/27$

All: 16.864 ± 0.168 $\chi^2/\text{NDF}: 8250.1/57$

- sign 16.878 ± 0.235 $\chi^2/\text{NDF}: 4423.0/29$

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 9.572 ± 0.241 $\chi^2/\text{NDF}: 121.9/11$

Right Out: 3.817 ± 0.258 $\chi^2/\text{NDF}: 567.6/17$

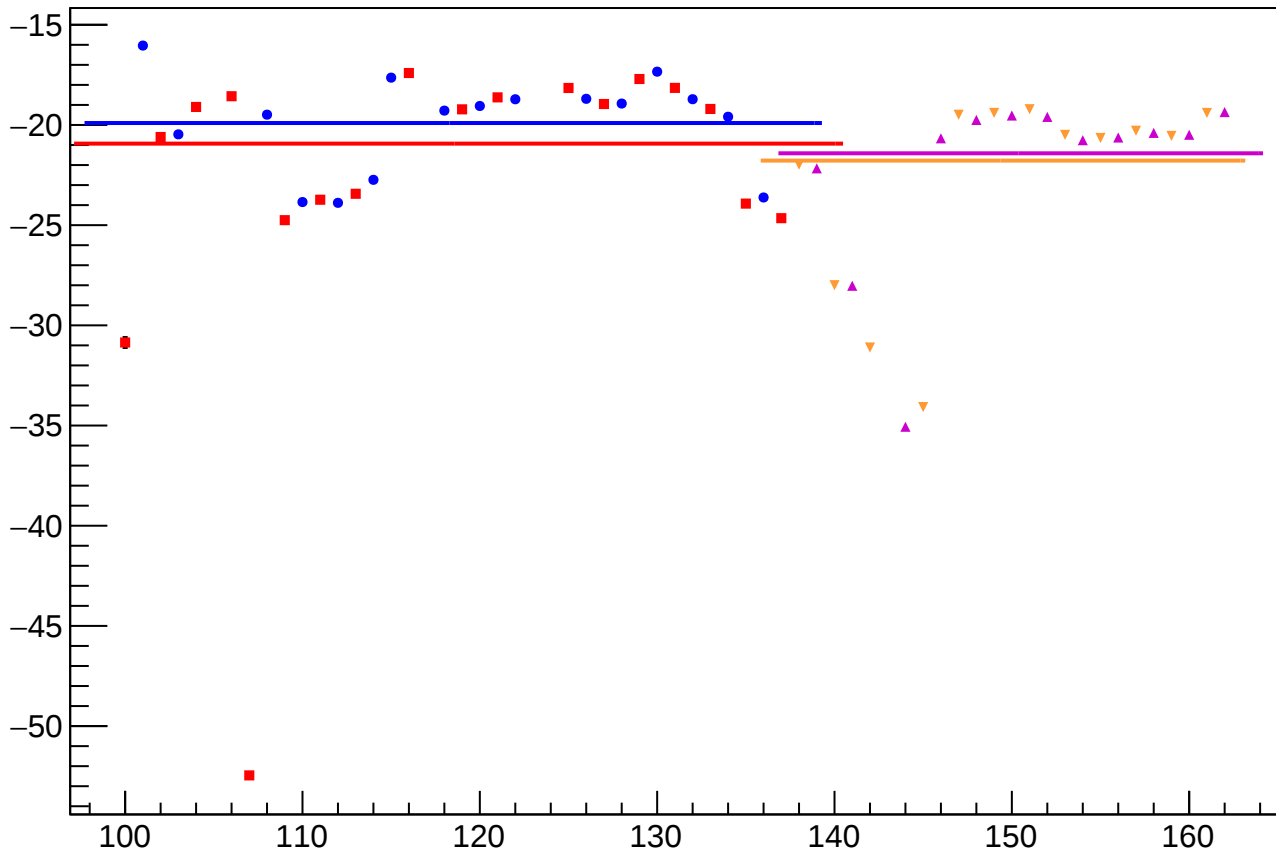
Left In: 9.913 ± 0.236 $\chi^2/\text{NDF}: 286.0/11$

+ sign 7.260 ± 0.175 $\chi^2/\text{NDF}: 864.3/27$

All: 7.203 ± 0.123 $\chi^2/\text{NDF}: 2022.1/57$

- sign 7.146 ± 0.174 $\chi^2/\text{NDF}: 1157.5/29$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 χ^2/NDF : 26054.0/15

Left Out: -21.777 ± 0.012 χ^2/NDF : 119488.3/11

Right Out: -20.931 ± 0.016 χ^2/NDF : 94008.3/17

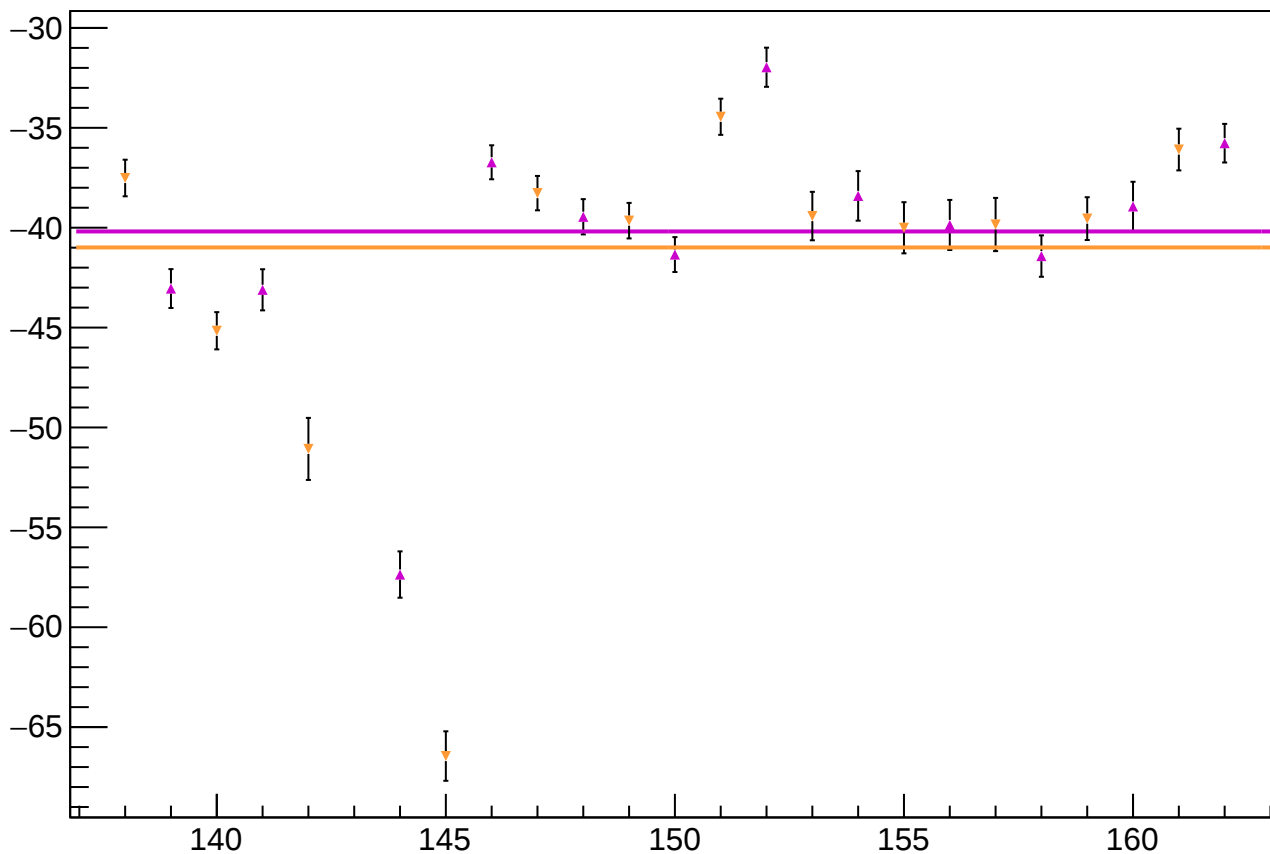
Left In: -21.414 ± 0.011 χ^2/NDF : 98528.3/11

+ sign -21.103 ± 0.009 χ^2/NDF : 154737.1/27

All: -21.180 ± 0.007 χ^2/NDF : 348032.6/57

- sign -21.252 ± 0.009 χ^2/NDF : 193165.1/29

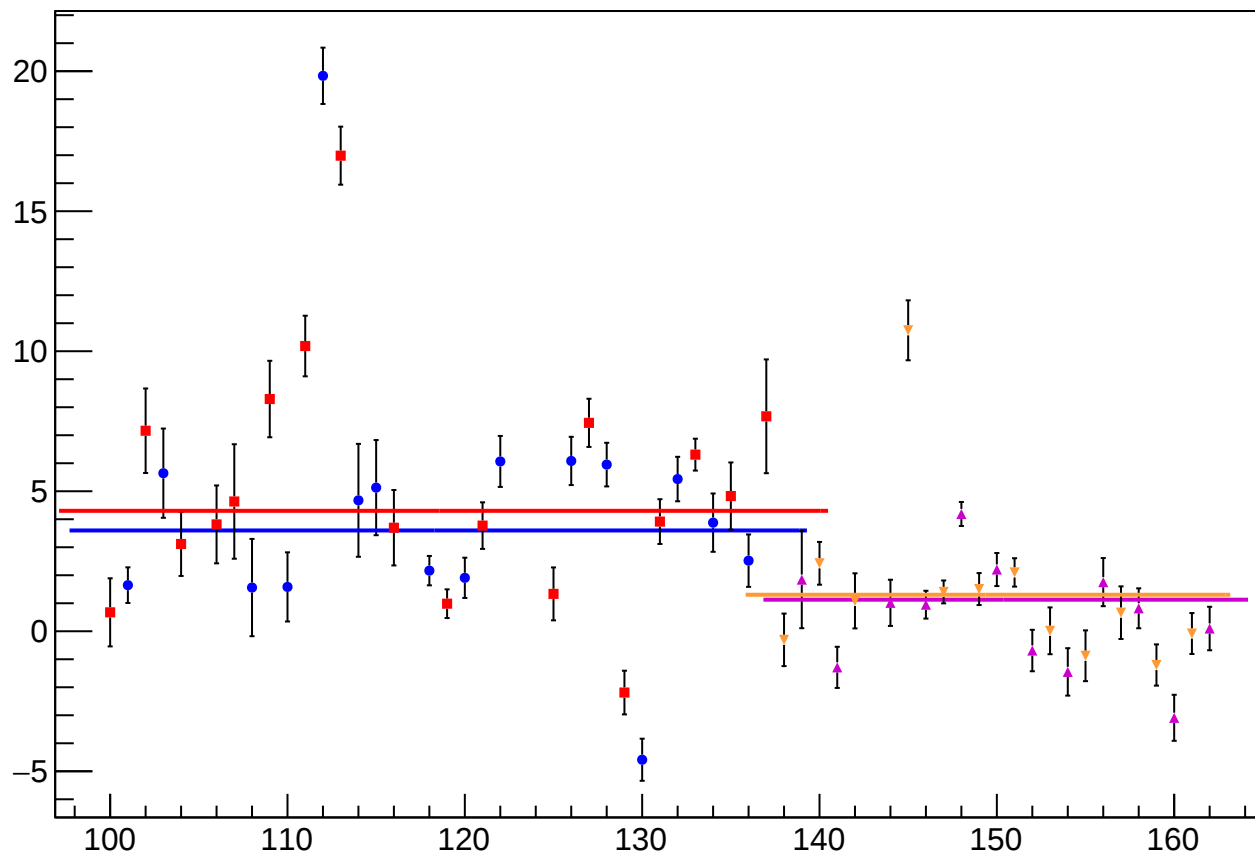
reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -40.989 $\pm$ 0.303 χ^2 /NDF: 590.4/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -40.188 $\pm$ 0.292 χ^2 /NDF: 350.8/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -40.574 $\pm$ 0.210 χ^2 /NDF: 944.9/23
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 440.3/15

Left Out: 1.304 $\pm$ 0.199 χ^2 /NDF: 109.4/11

Right Out: 4.301 $\pm$ 0.221 χ^2 /NDF: 352.1/17

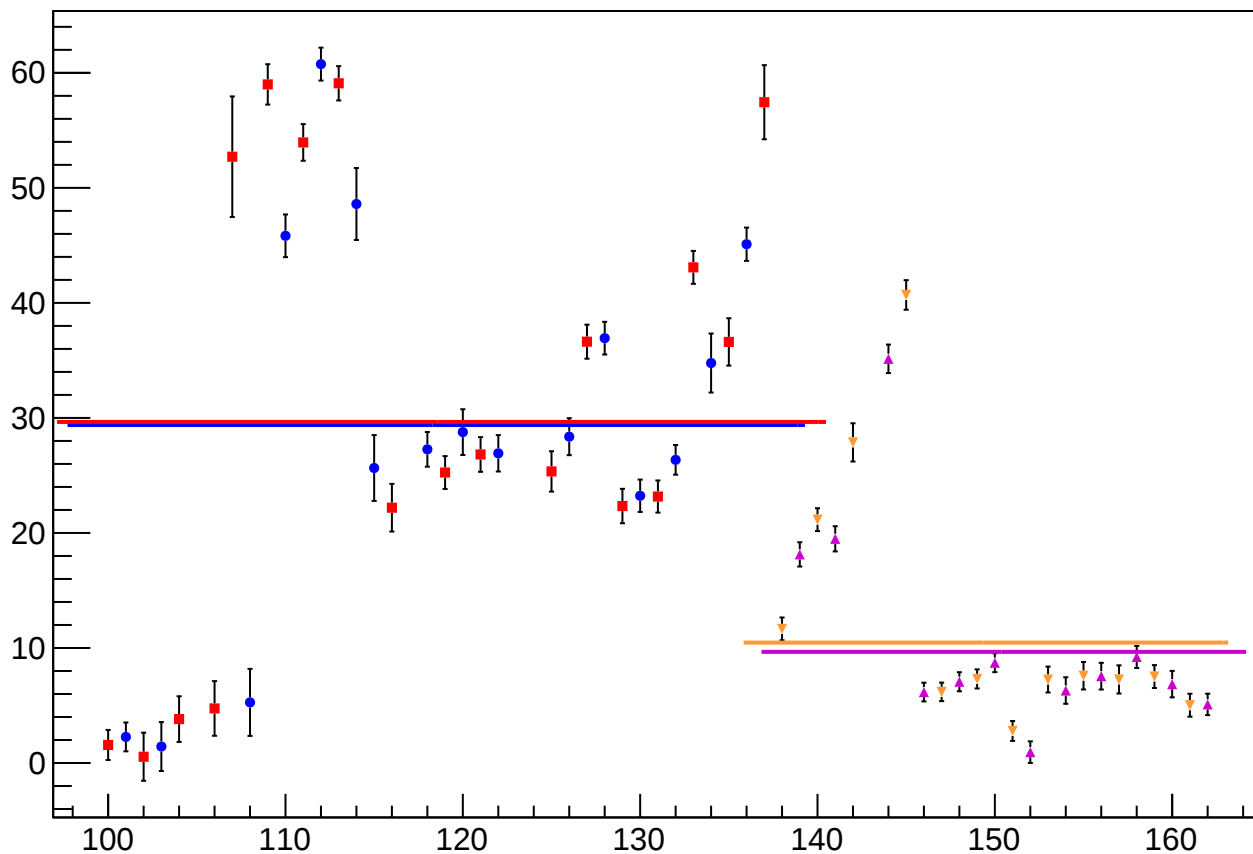
Left In: 1.127 $\pm$ 0.197 χ^2 /NDF: 109.5/11

+ sign 2.337 $\pm$ 0.148 χ^2 /NDF: 609.5/27

All: 2.436 $\pm$ 0.104 χ^2 /NDF: 1186.8/57

- sign 2.535 $\pm$ 0.147 χ^2 /NDF: 576.4/29

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 10.469 $\pm$ 0.295 χ^2 /NDF: 961.0/11

Right Out: 29.652 $\pm$ 0.402 χ^2 /NDF: 2131.0/17

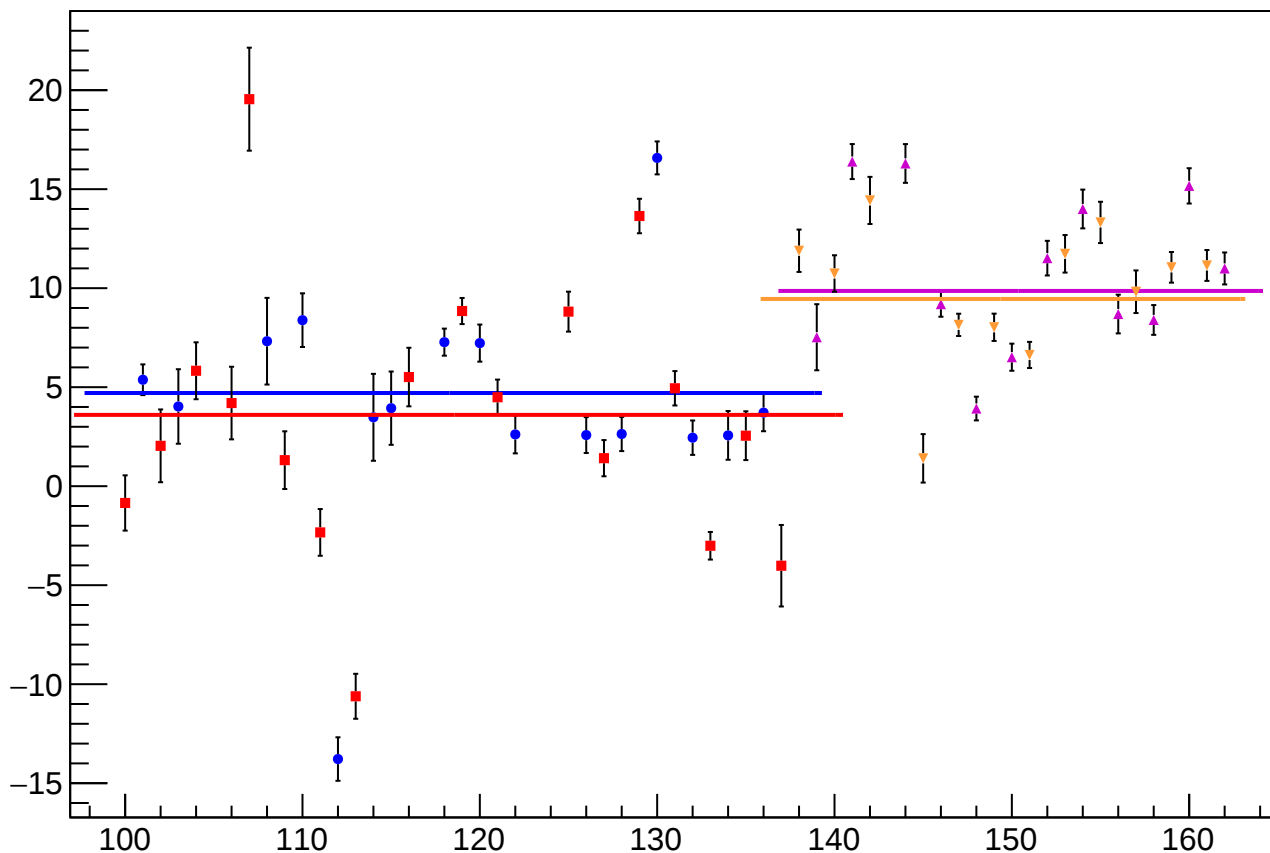
Left In: 9.663 $\pm$ 0.283 χ^2 /NDF: 725.0/11

+ sign 16.730 $\pm$ 0.241 χ^2 /NDF: 3811.8/27

All: 16.496 $\pm$ 0.167 χ^2 /NDF: 8320.6/57

- sign 16.281 $\pm$ 0.232 χ^2 /NDF: 4507.0/29

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.456 ± 0.241 $\chi^2/\text{NDF}: 124.5/11$

Right Out: 3.601 ± 0.254 $\chi^2/\text{NDF}: 573.4/17$

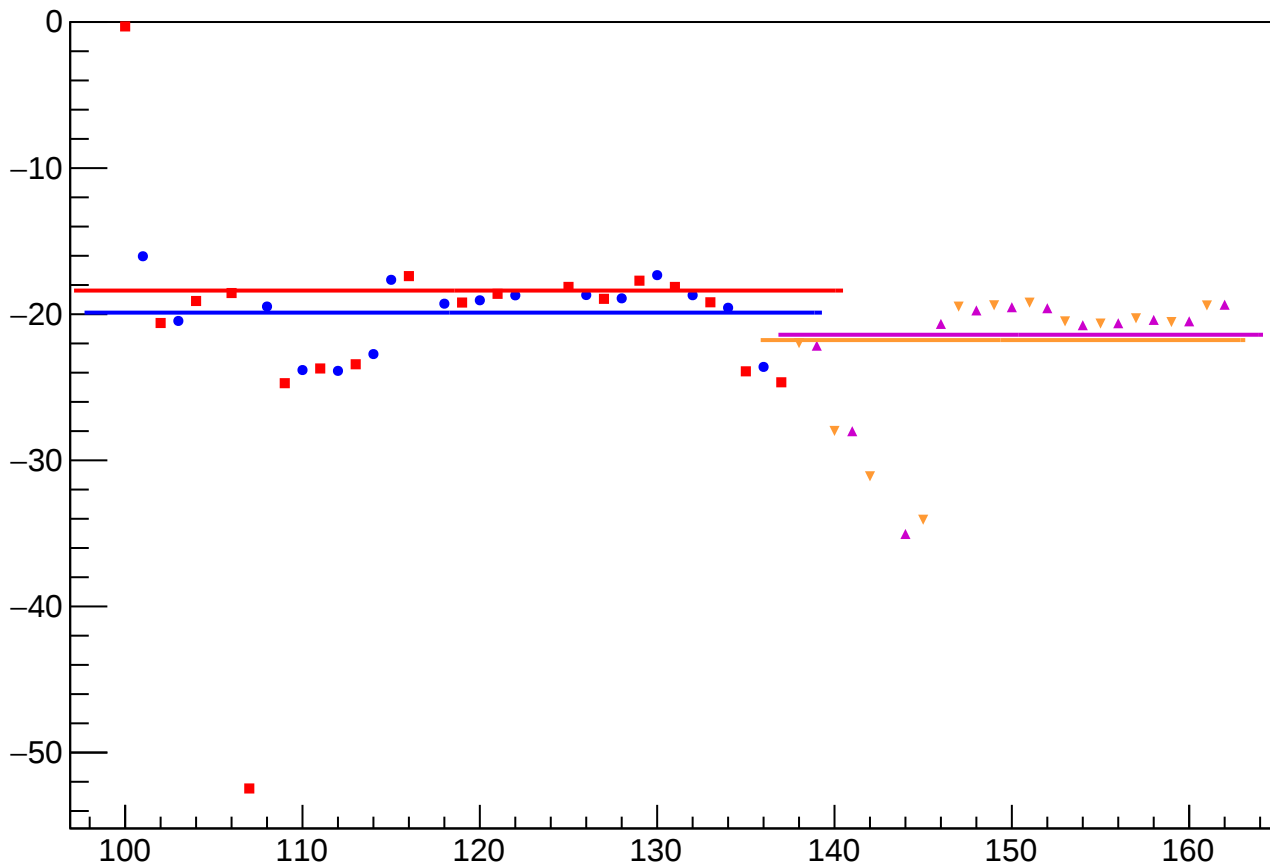
Left In: 9.860 ± 0.235 $\chi^2/\text{NDF}: 287.2/11$

+ sign 7.203 ± 0.175 $\chi^2/\text{NDF}: 853.7/27$

All: 7.084 ± 0.123 $\chi^2/\text{NDF}: 2041.7/57$

- sign 6.968 ± 0.173 $\chi^2/\text{NDF}: 1187.1/29$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -21.770 ± 0.012 $\chi^2/\text{NDF}: 119538.5/11$

Right Out: -18.380 ± 0.015 $\chi^2/\text{NDF}: 300999.4/17$

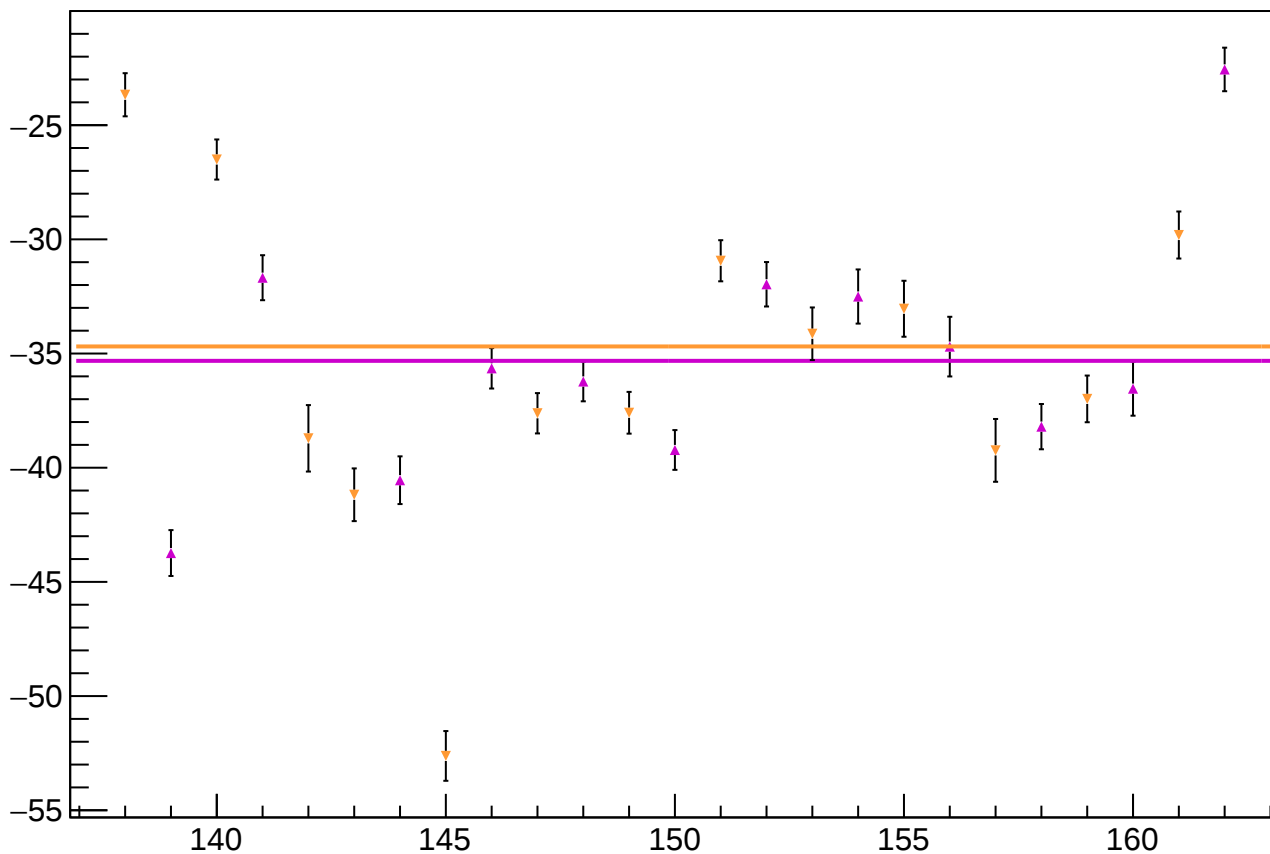
Left In: -21.404 ± 0.011 $\chi^2/\text{NDF}: 98460.8/11$

+ sign -21.094 ± 0.009 $\chi^2/\text{NDF}: 154832.3/27$

All: -20.679 ± 0.006 $\chi^2/\text{NDF}: 584788.8/57$

- sign -20.306 ± 0.009 $\chi^2/\text{NDF}: 426237.3/29$

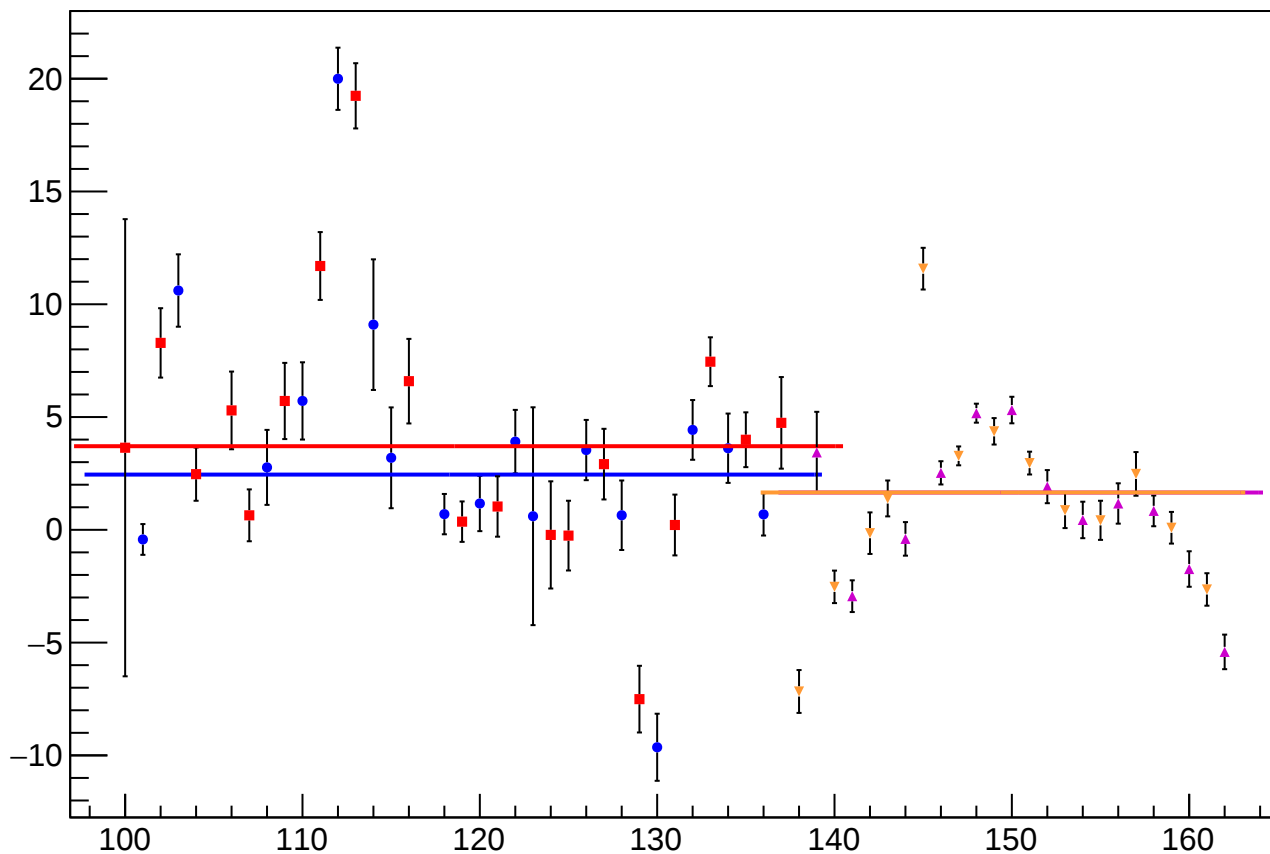
reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -34.690+/-0.288 χ^2/NDF : 612.3/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -35.320+/-0.288 χ^2/NDF : 336.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -35.005+/-0.204 χ^2/NDF : 951.3/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 1.656 ± 0.191 χ^2/NDF : 326.5/12

Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

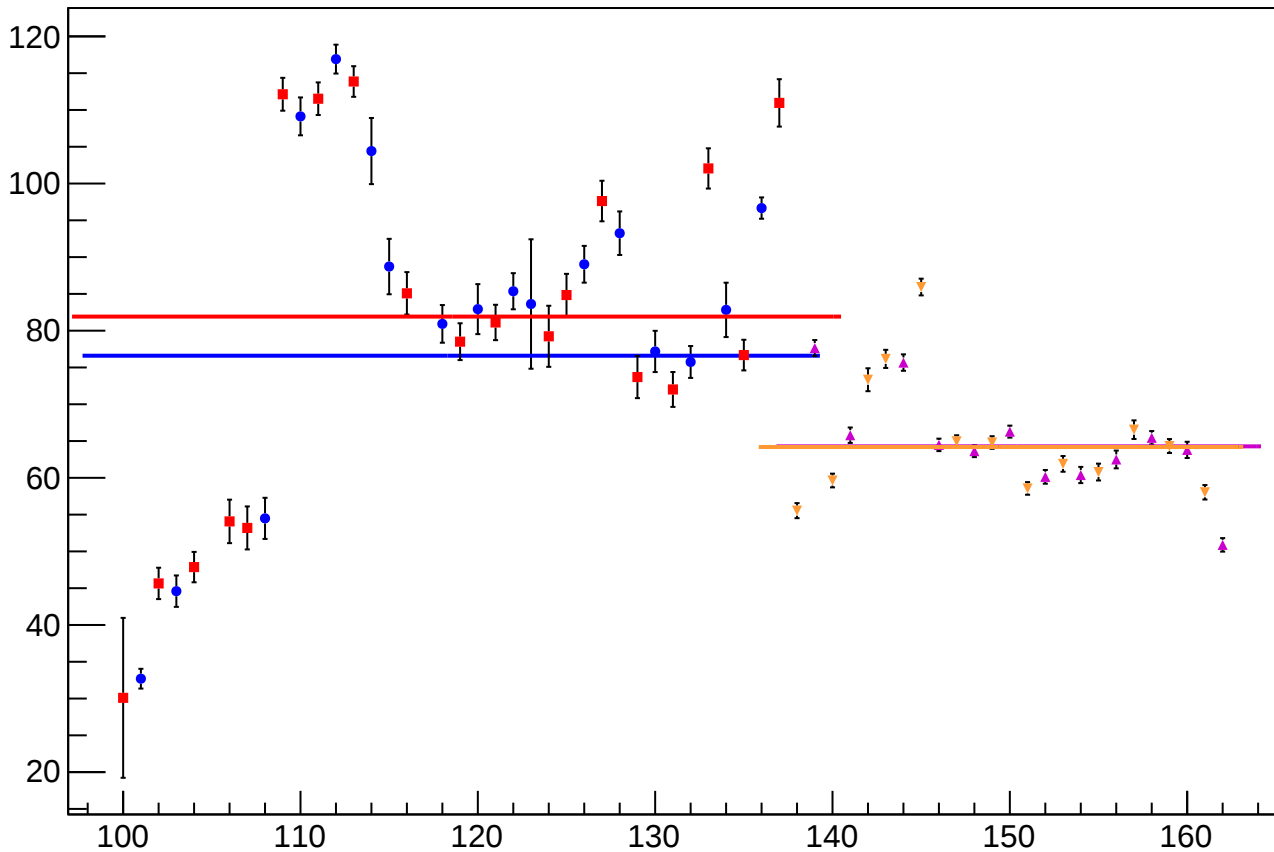
Left In: 1.654 ± 0.194 χ^2/NDF : 270.3/11

+ sign 1.870 ± 0.163 χ^2/NDF : 626.5/29

All: 2.026 ± 0.117 χ^2/NDF : 1197.3/60

- sign 2.190 ± 0.167 χ^2/NDF : 568.9/30

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2/NDF : 2255.1/16

Left Out: 64.190 $\pm$ 0.282 χ^2/NDF : 690.0/12

Right Out: 81.916 $\pm$ 0.592 χ^2/NDF : 1570.7/18

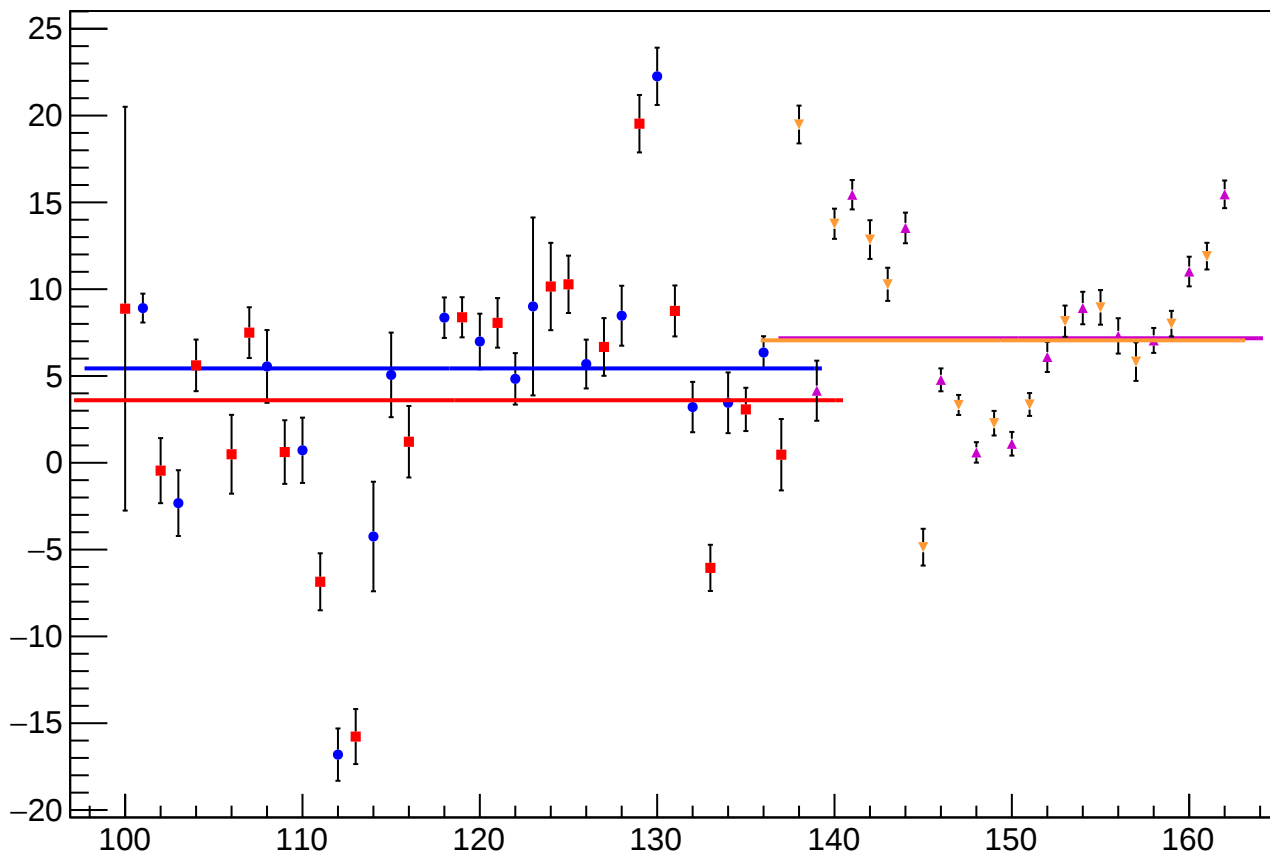
Left In: 64.279 $\pm$ 0.279 χ^2/NDF : 512.4/11

+ sign 66.593 $\pm$ 0.253 χ^2/NDF : 3319.2/29

All: 67.041 $\pm$ 0.179 χ^2/NDF : 6134.6/60

- sign 67.486 $\pm$ 0.252 χ^2/NDF : 2809.2/30

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 7.053 ± 0.230 $\chi^2/\text{NDF}: 521.9/12$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

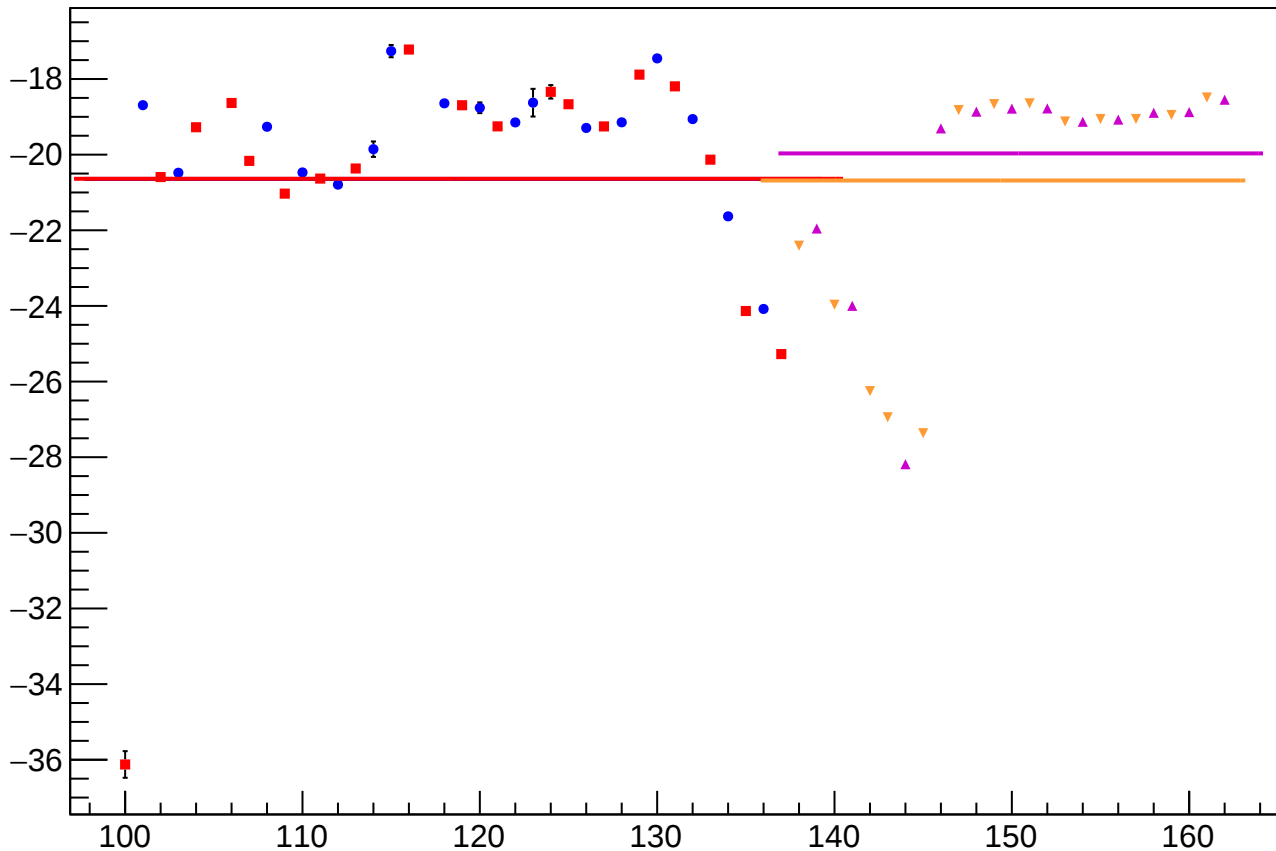
Left In: 7.173 ± 0.231 $\chi^2/\text{NDF}: 501.3/11$

+ sign 6.584 ± 0.194 $\chi^2/\text{NDF}: 923.5/29$

All: 6.389 ± 0.138 $\chi^2/\text{NDF}: 1915.7/60$

- sign 6.188 ± 0.197 $\chi^2/\text{NDF}: 990.2/30$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -20.683 ± 0.011 $\chi^2/\text{NDF}: 73629.7/12$

Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13783.4/18$

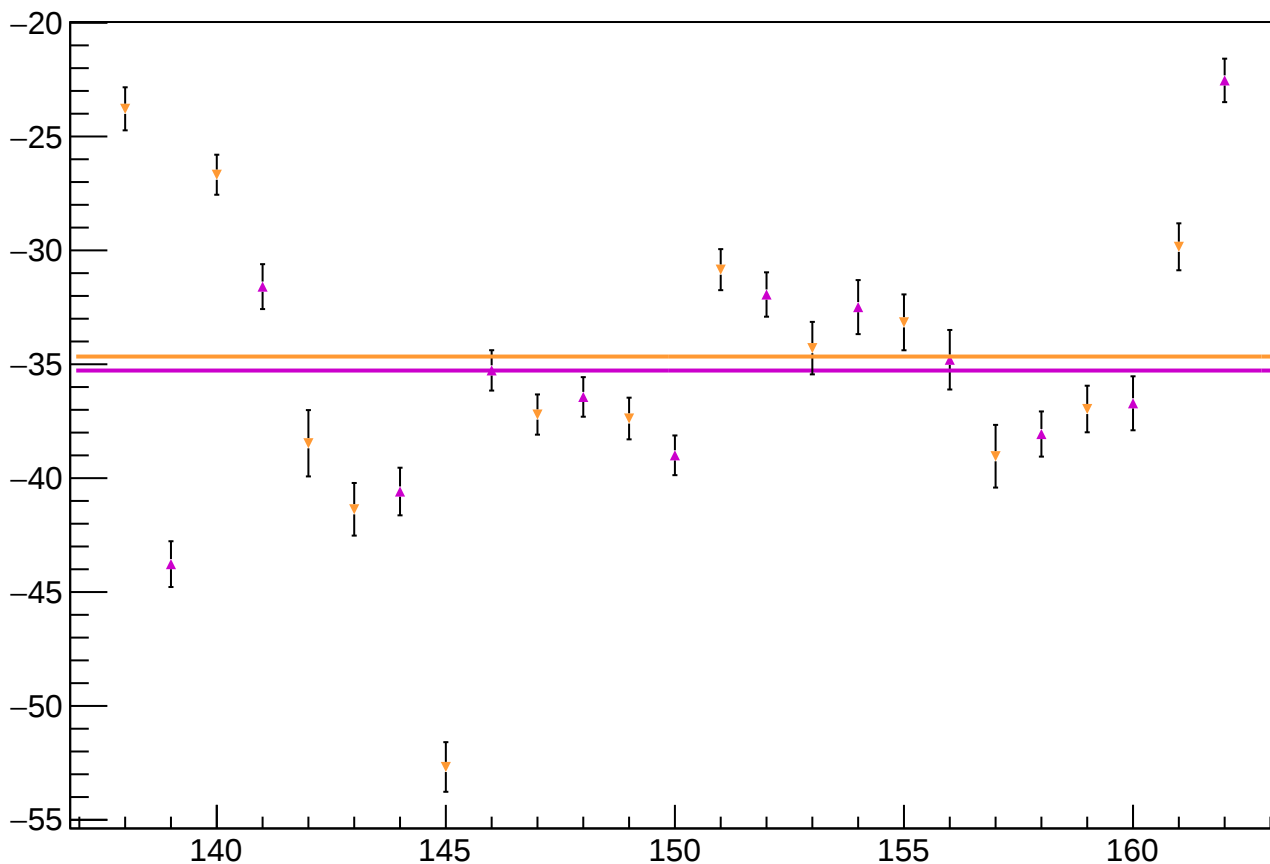
Left In: -19.967 ± 0.011 $\chi^2/\text{NDF}: 47786.4/11$

+ sign -20.673 ± 0.010 $\chi^2/\text{NDF}: 86064.7/29$

All: -20.397 ± 0.007 $\chi^2/\text{NDF}: 150127.3/60$

- sign -20.129 ± 0.010 $\chi^2/\text{NDF}: 62471.2/30$

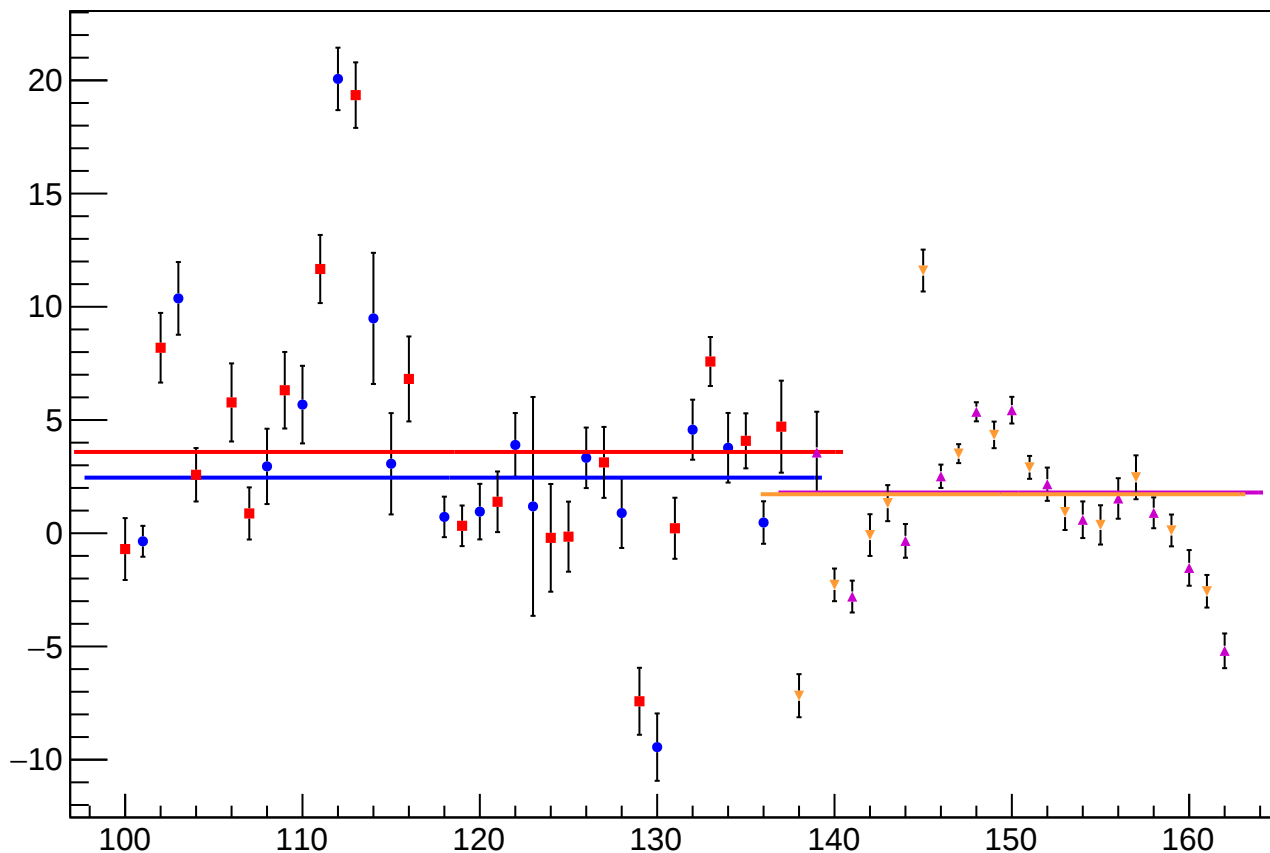
reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -34.661 ± 0.288 χ^2/NDF : 602.6/12
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -35.275 ± 0.288 χ^2/NDF : 336.3/11

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: -34.968 ± 0.204 χ^2/NDF : 941.2/24
 - sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 1.722 ± 0.191 χ^2/NDF : 324.9/12

Right Out: 3.590 ± 0.318 χ^2/NDF : 279.8/18

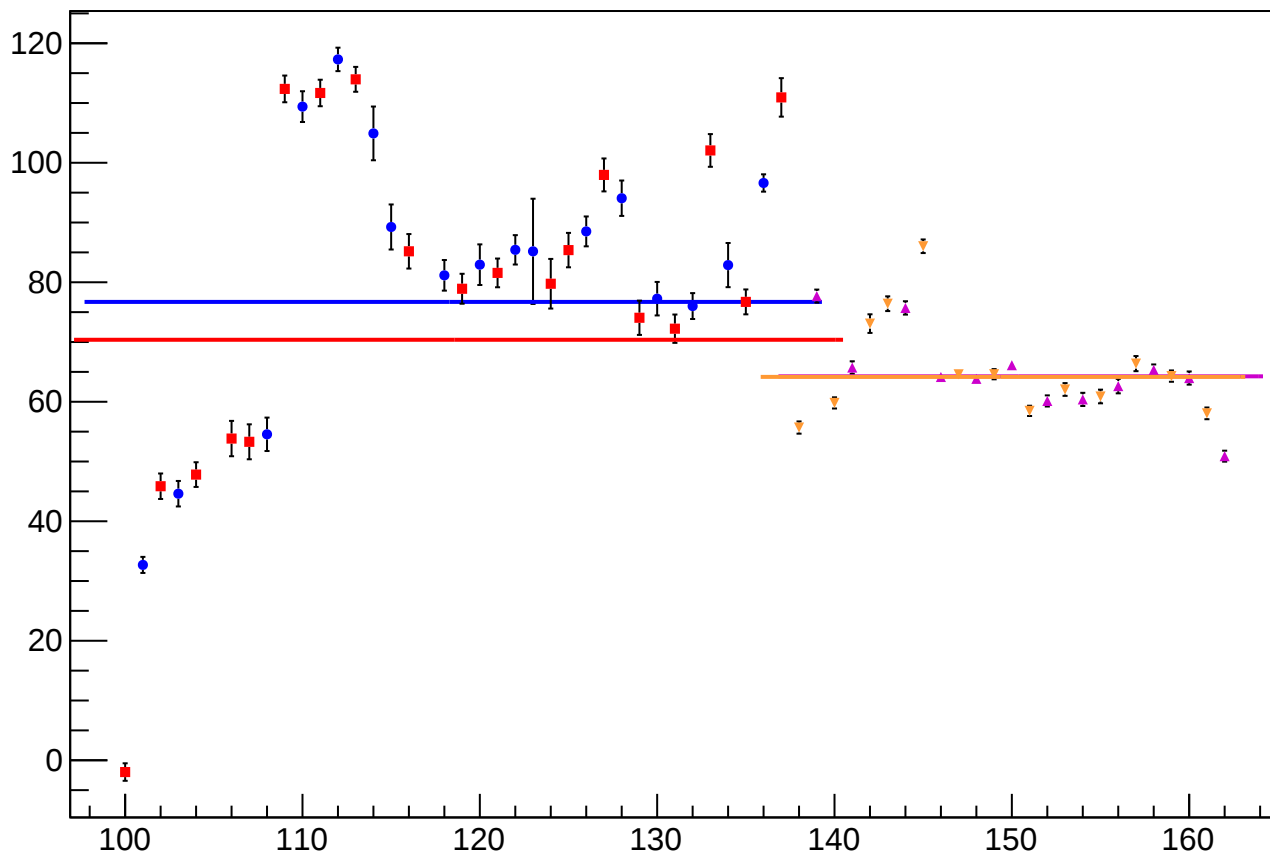
Left In: 1.799 ± 0.194 χ^2/NDF : 268.7/11

+ sign 1.920 ± 0.163 χ^2/NDF : 622.3/29

All: 2.100 ± 0.116 χ^2/NDF : 1196.5/60

- sign 2.286 ± 0.166 χ^2/NDF : 571.7/30

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 64.165 $\pm$ 0.282 χ^2 /NDF: 688.7/12

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

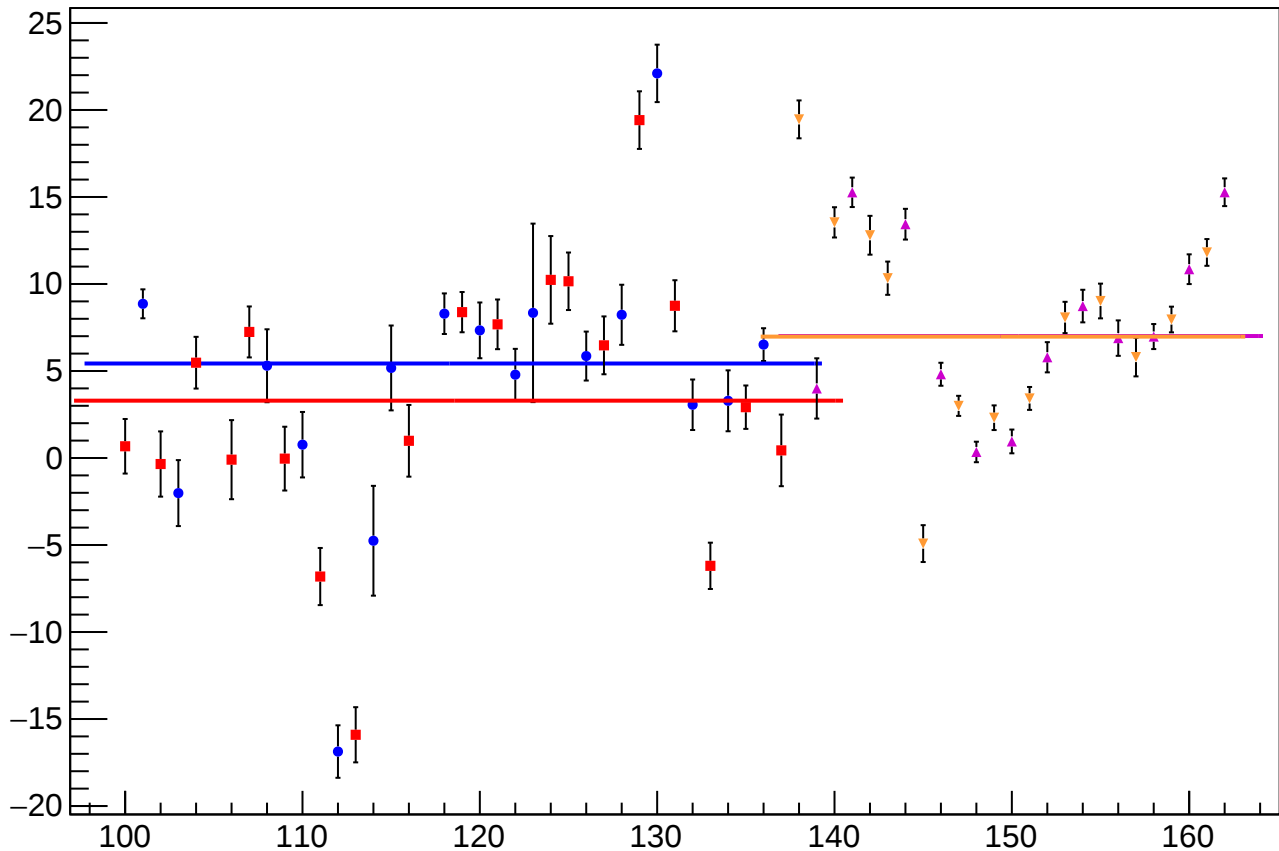
Left In: 64.257 $\pm$ 0.279 χ^2 /NDF: 511.1/11

+ sign 66.595 $\pm$ 0.254 χ^2 /NDF: 3337.5/29

All: 66.044 $\pm$ 0.178 χ^2 /NDF: 8347.0/60

- sign 65.512 $\pm$ 0.249 χ^2 /NDF: 5000.2/30

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 6.976 ± 0.230 $\chi^2/\text{NDF}: 522.3/12$

Right Out: 3.295 ± 0.365 $\chi^2/\text{NDF}: 426.1/18$

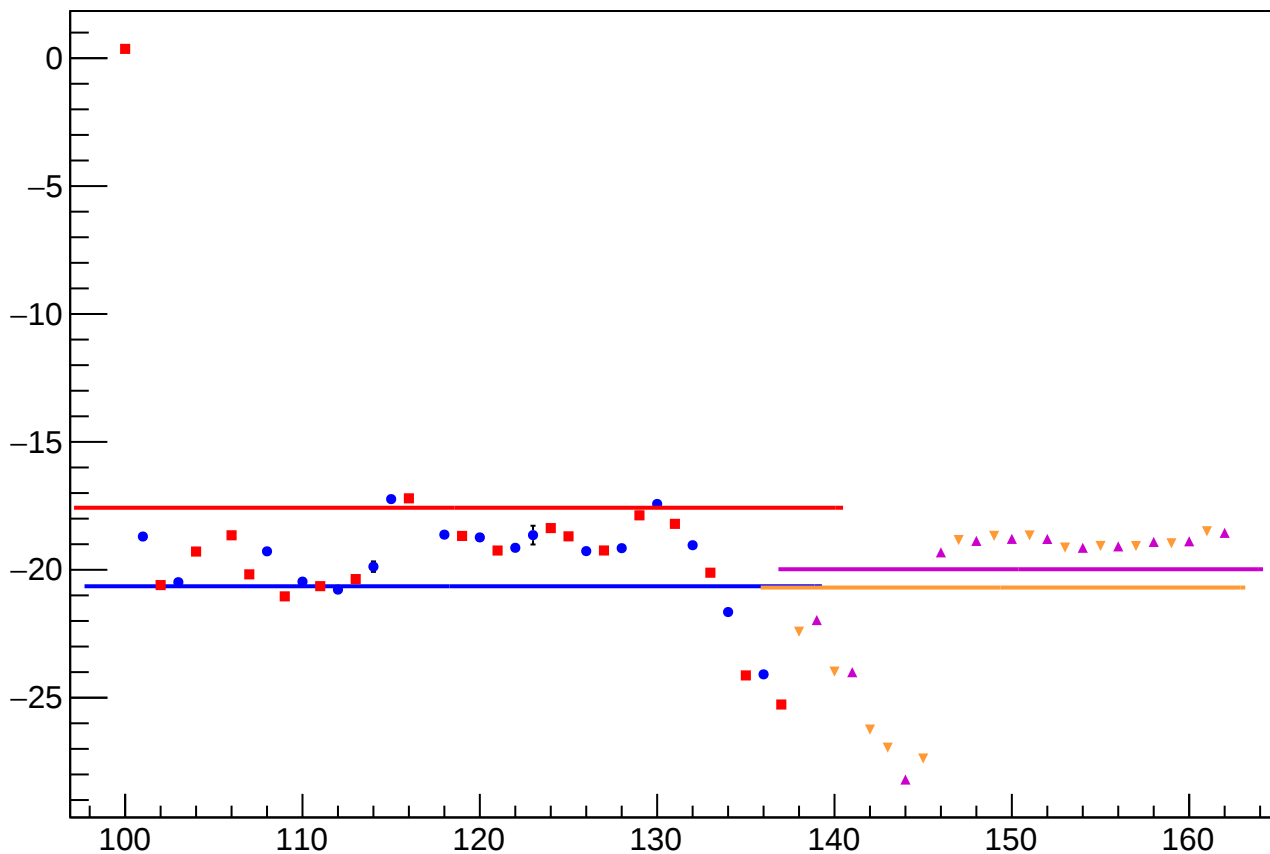
Left In: 7.010 ± 0.232 $\chi^2/\text{NDF}: 501.9/11$

+ sign 6.528 ± 0.194 $\chi^2/\text{NDF}: 921.3/29$

All: 6.238 ± 0.138 $\chi^2/\text{NDF}: 1927.5/60$

- sign 5.944 ± 0.196 $\chi^2/\text{NDF}: 1001.8/30$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -20.693 ± 0.011 $\chi^2/\text{NDF}: 73477.9/12$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178327.0/18$

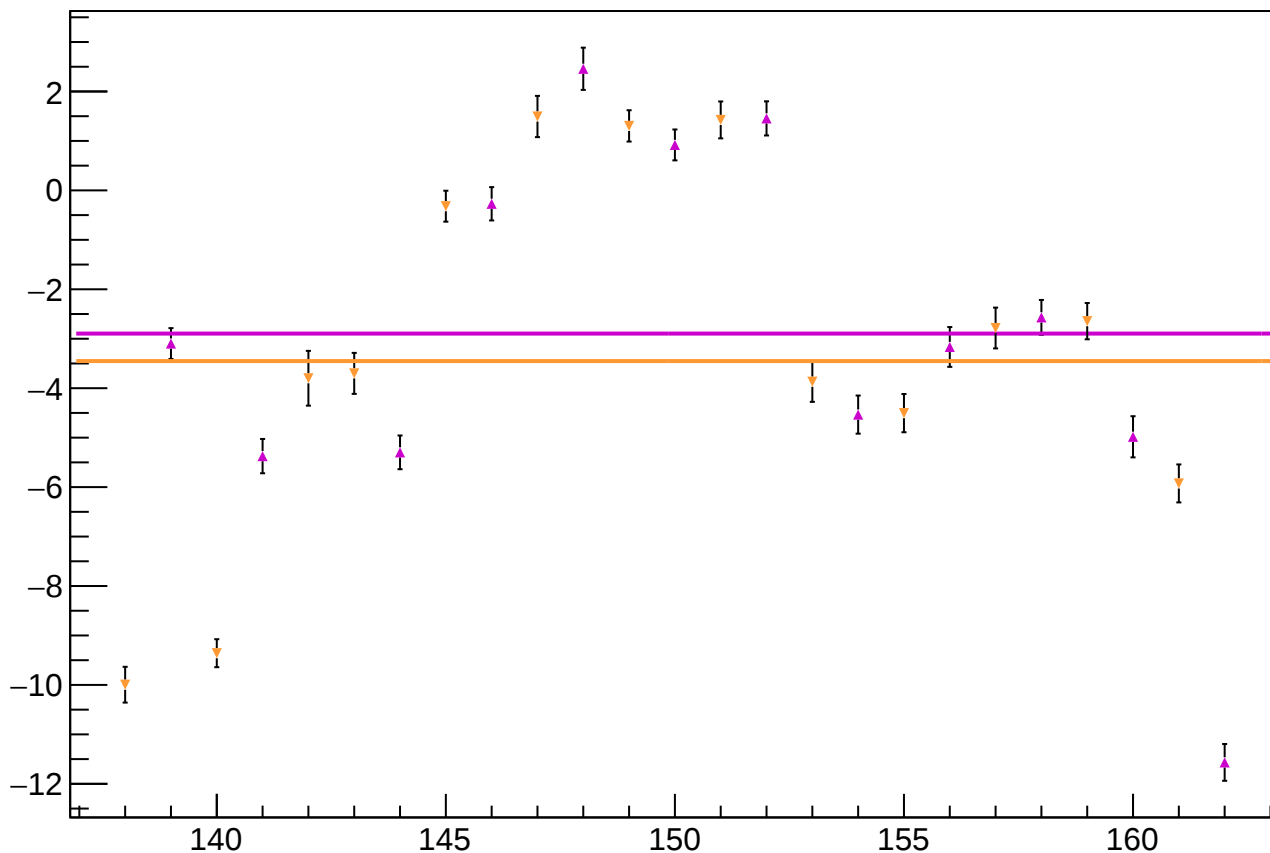
Left In: -19.978 ± 0.011 $\chi^2/\text{NDF}: 47717.9/11$

+ sign -20.681 ± 0.010 $\chi^2/\text{NDF}: 85951.5/29$

All: -19.981 ± 0.007 $\chi^2/\text{NDF}: 335012.0/60$

- sign -19.327 ± 0.009 $\chi^2/\text{NDF}: 238999.6/30$

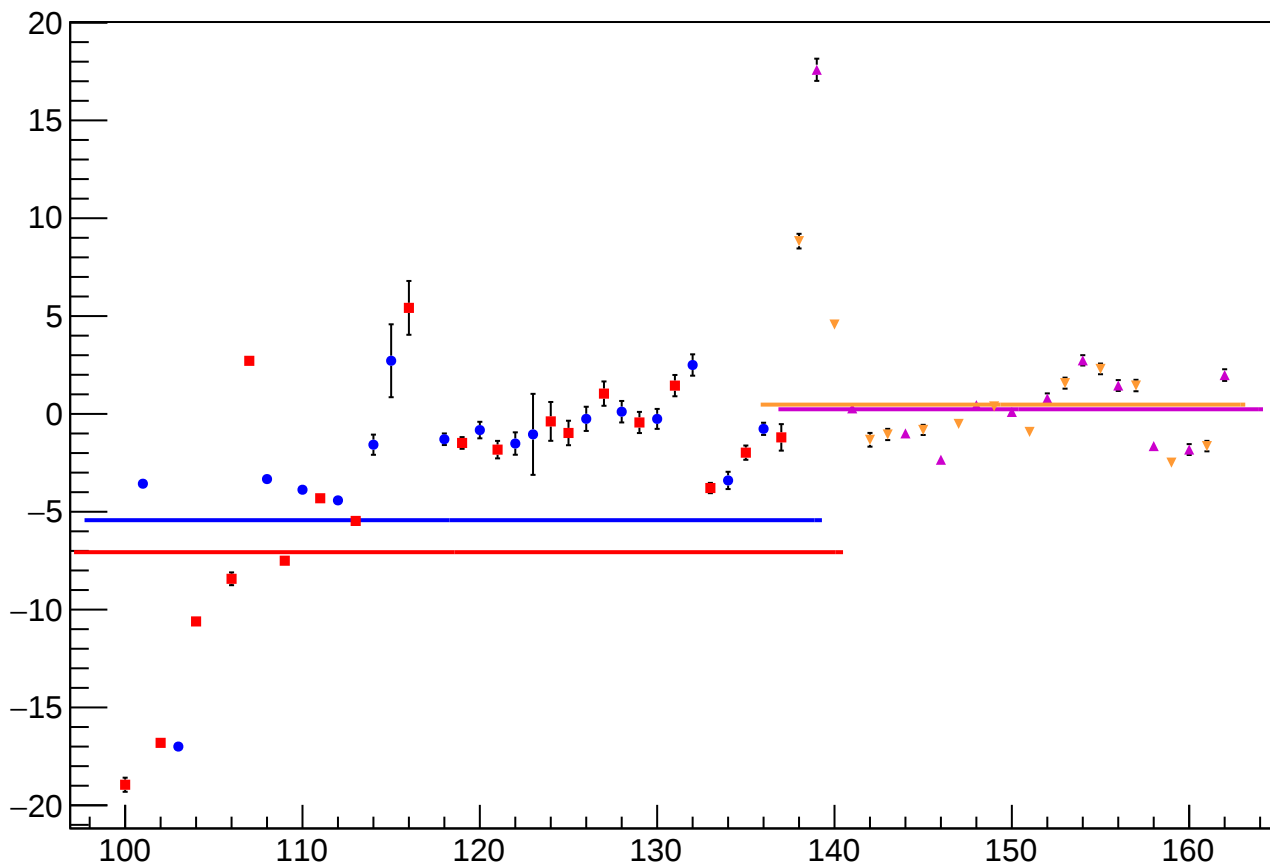
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.451+/-0.103 χ^2/NDF : 1458.0/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.896+/-0.103 χ^2/NDF : 1215.2/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -3.175+/-0.073 χ^2/NDF : 2687.8/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 ± 0.055 $\chi^2/\text{NDF}: 9233.8/16$

Left Out: 0.475 ± 0.071 $\chi^2/\text{NDF}: 1215.2/12$

Right Out: -7.066 ± 0.059 $\chi^2/\text{NDF}: 12306.6/18$

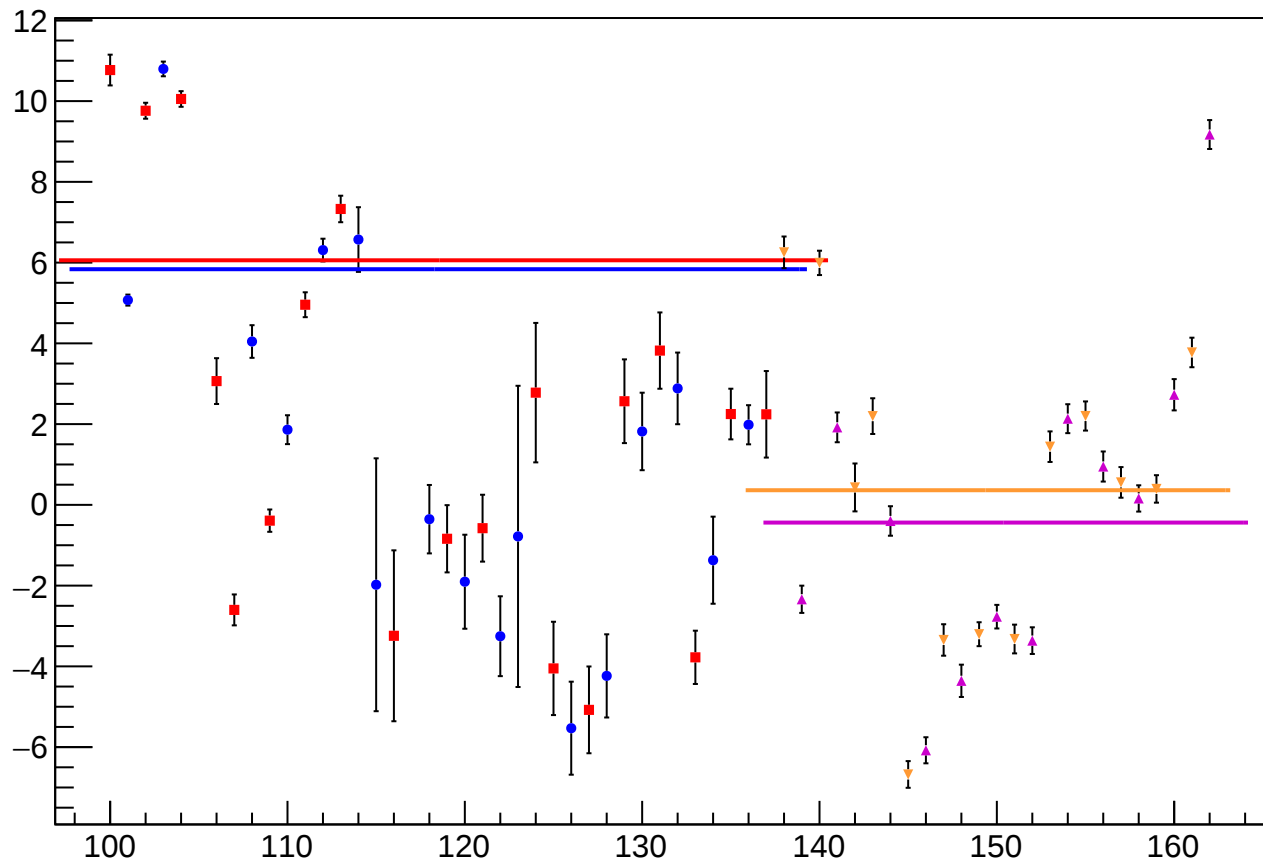
Left In: 0.237 ± 0.073 $\chi^2/\text{NDF}: 1370.6/11$

+ sign -3.236 ± 0.043 $\chi^2/\text{NDF}: 14754.8/29$

All: -3.689 ± 0.032 $\chi^2/\text{NDF}: 34679.0/60$

- sign -4.195 ± 0.046 $\chi^2/\text{NDF}: 19694.8/30$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 ± 0.090 χ^2/NDF : 1440.9/16

Left Out: 0.362 ± 0.101 χ^2/NDF : 1509.0/12

Right Out: 6.057 ± 0.093 χ^2/NDF : 2668.9/18

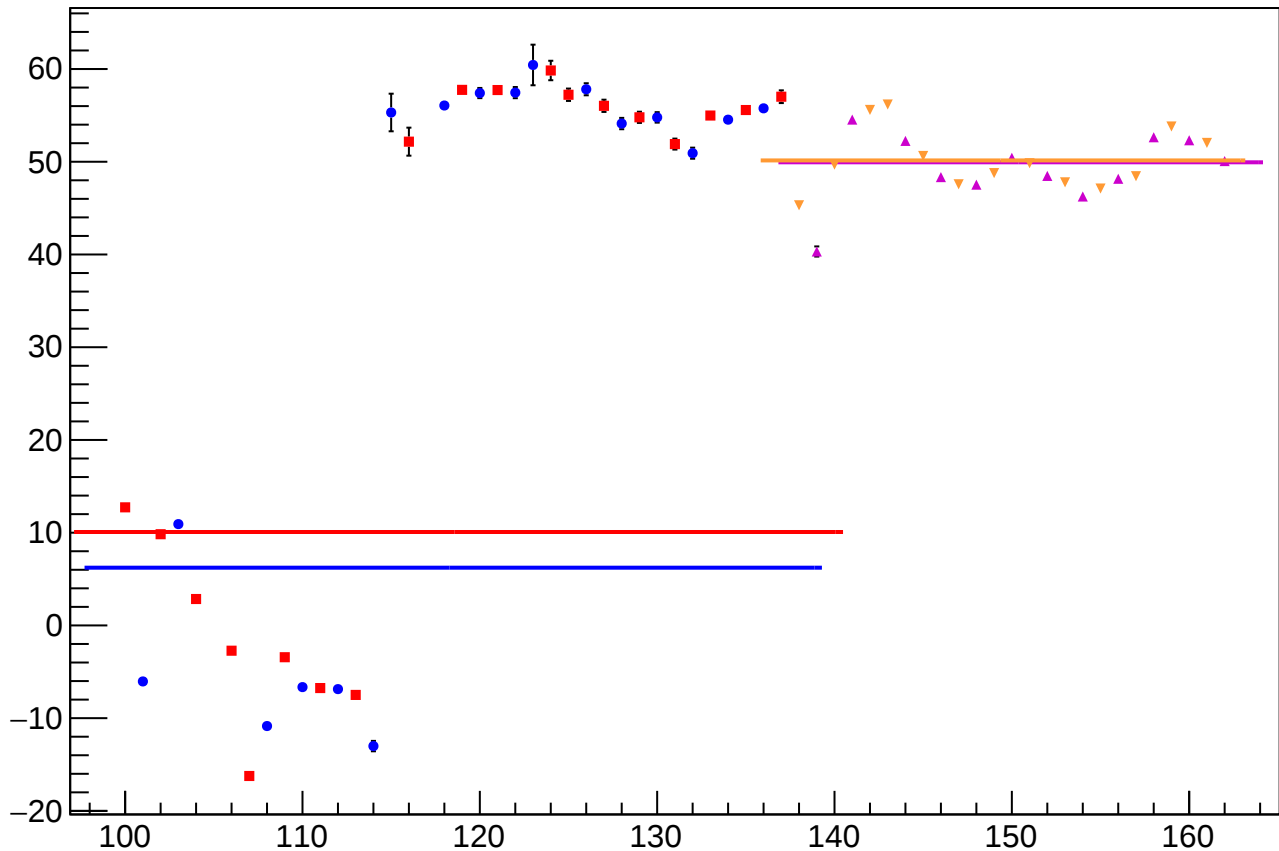
Left In: -0.439 ± 0.100 χ^2/NDF : 1471.5/11

+ sign 3.422 ± 0.067 χ^2/NDF : 4594.0/29

All: 3.238 ± 0.048 χ^2/NDF : 10995.8/60

- sign 3.046 ± 0.068 χ^2/NDF : 6386.4/30

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 50.143 ± 0.084 χ^2/NDF : 1133.8/12

Right Out: 10.075 ± 0.070 χ^2/NDF : 122049.3/18

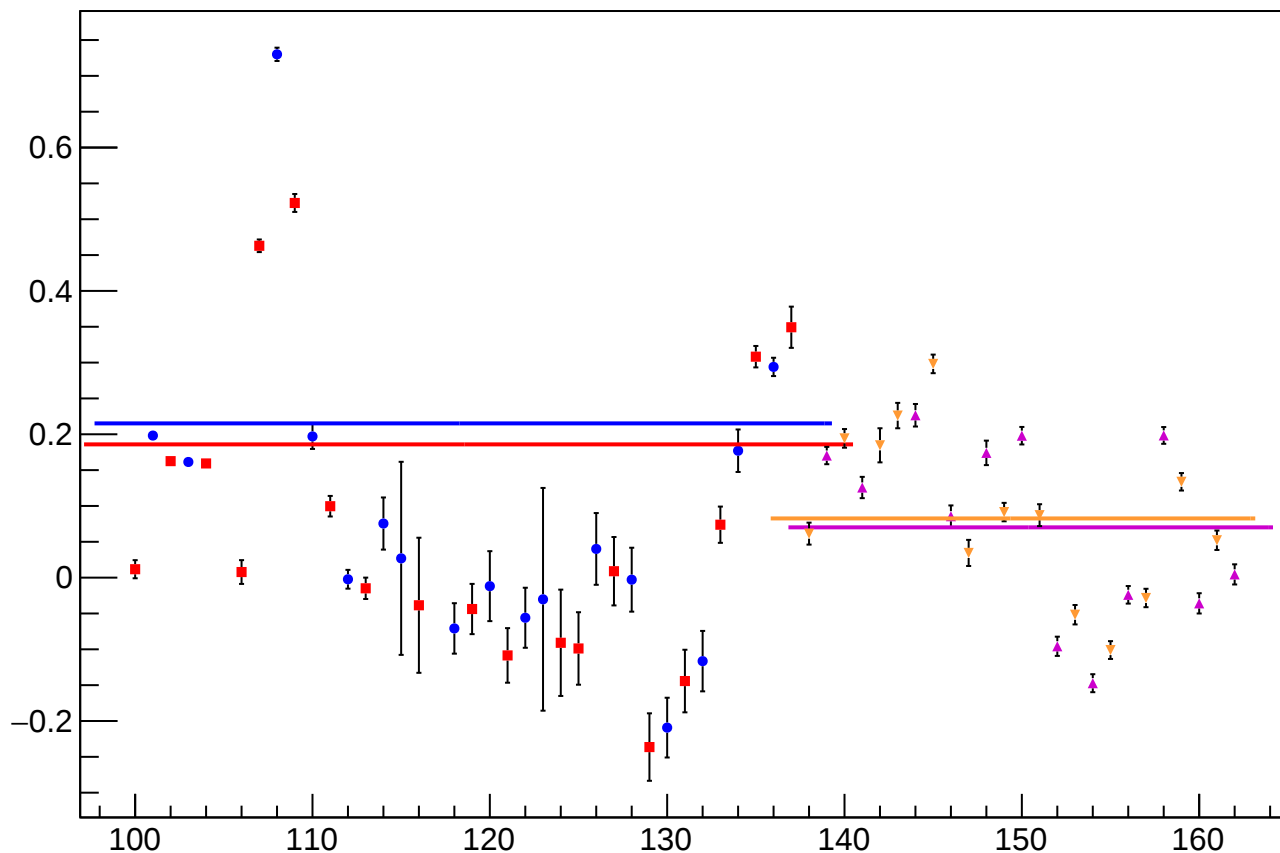
Left In: 49.940 ± 0.085 χ^2/NDF : 1094.6/11

+ sign 22.547 ± 0.051 χ^2/NDF : 292634.8/29

All: 24.205 ± 0.037 χ^2/NDF : 548802.1/60

- sign 26.036 ± 0.054 χ^2/NDF : 253977.9/30

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.083 $\pm$ 0.004 χ^2 /NDF: 858.2/12

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

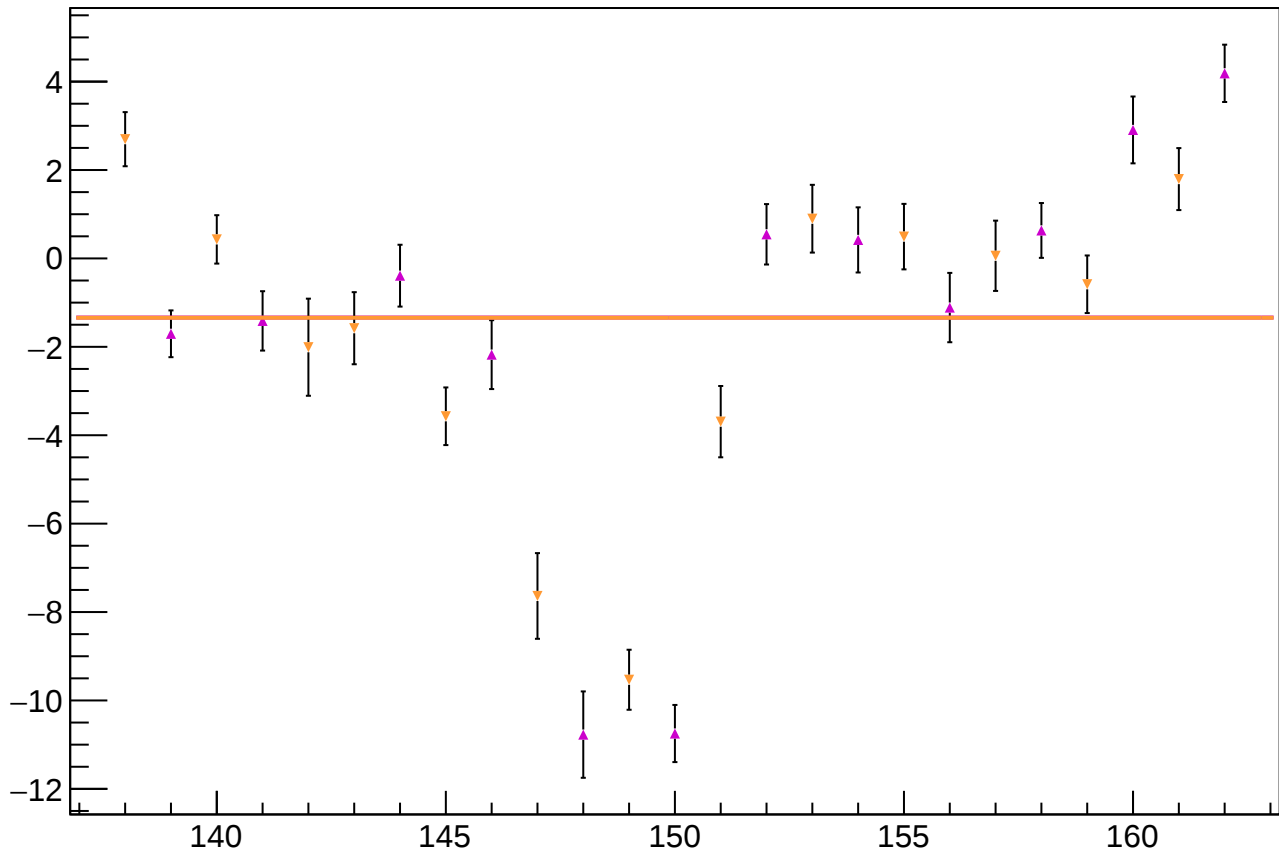
Left In: 0.070 $\pm$ 0.004 χ^2 /NDF: 1040.1/11

+ sign 0.171 $\pm$ 0.002 χ^2 /NDF: 5543.6/29

All: 0.160 $\pm$ 0.002 χ^2 /NDF: 9951.6/60

- sign 0.149 $\pm$ 0.002 χ^2 /NDF: 4356.6/30

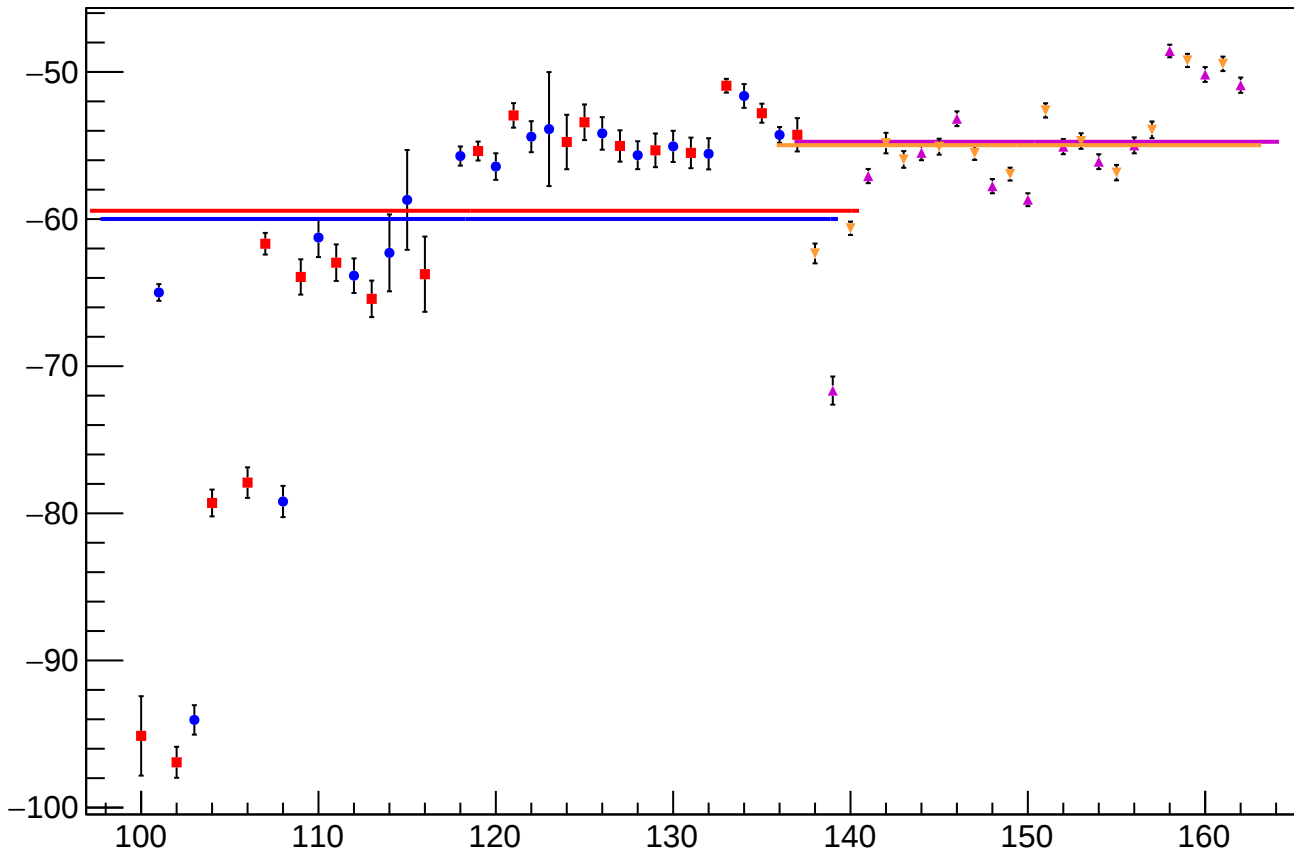
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.342+/-0.200 χ^2/NDF : 301.5/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.338+/-0.199 χ^2/NDF : 436.2/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -1.340+/-0.141 χ^2/NDF : 737.7/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.978 ± 0.143 χ^2/NDF : 626.6/12

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

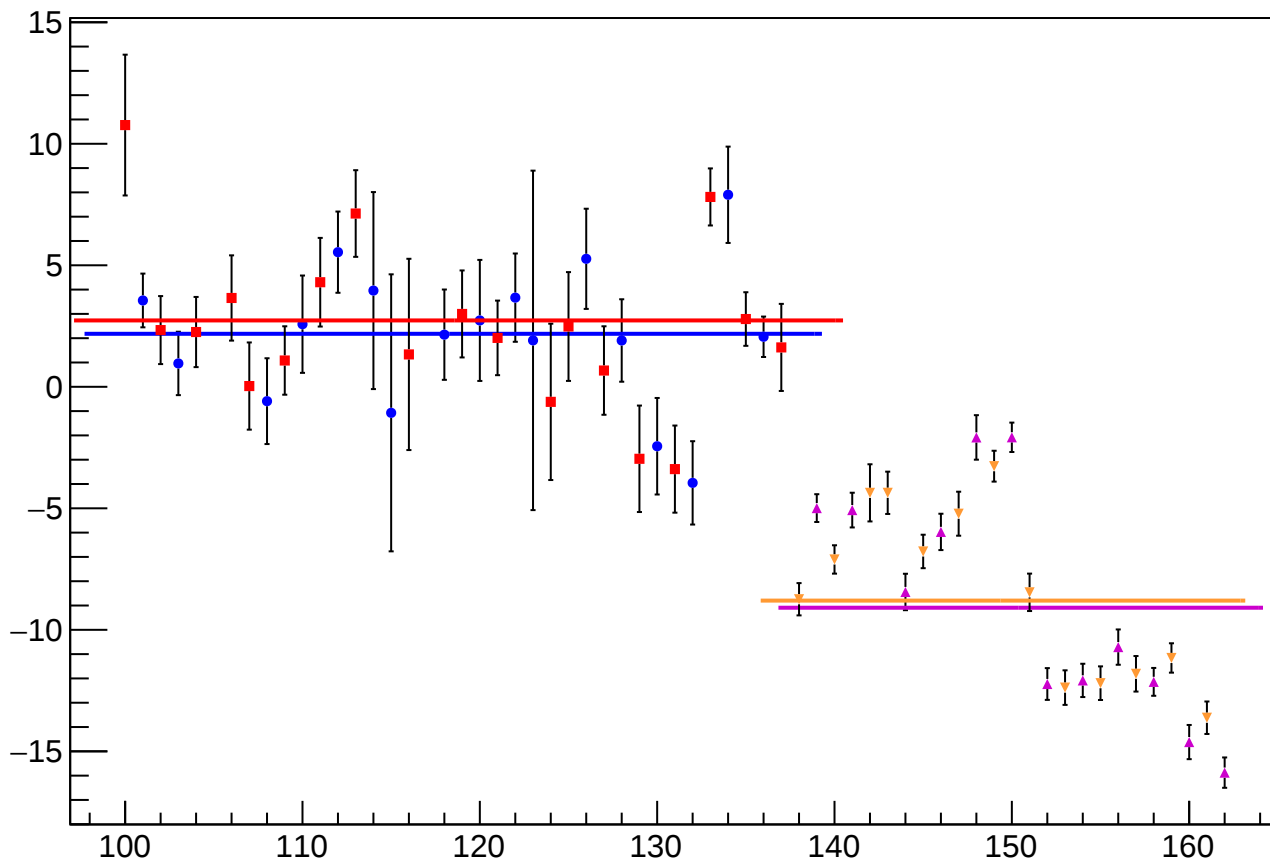
Left In: -54.747 ± 0.146 χ^2/NDF : 817.0/11

+ sign -56.421 ± 0.121 χ^2/NDF : 2953.3/29

All: -56.340 ± 0.085 χ^2/NDF : 7020.5/60

- sign -56.259 ± 0.120 χ^2/NDF : 4066.3/30

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 χ^2/NDF : 39.0/16

Left Out: -8.797 ± 0.197 χ^2/NDF : 282.6/12

Right Out: 2.731 ± 0.388 χ^2/NDF : 58.9/18

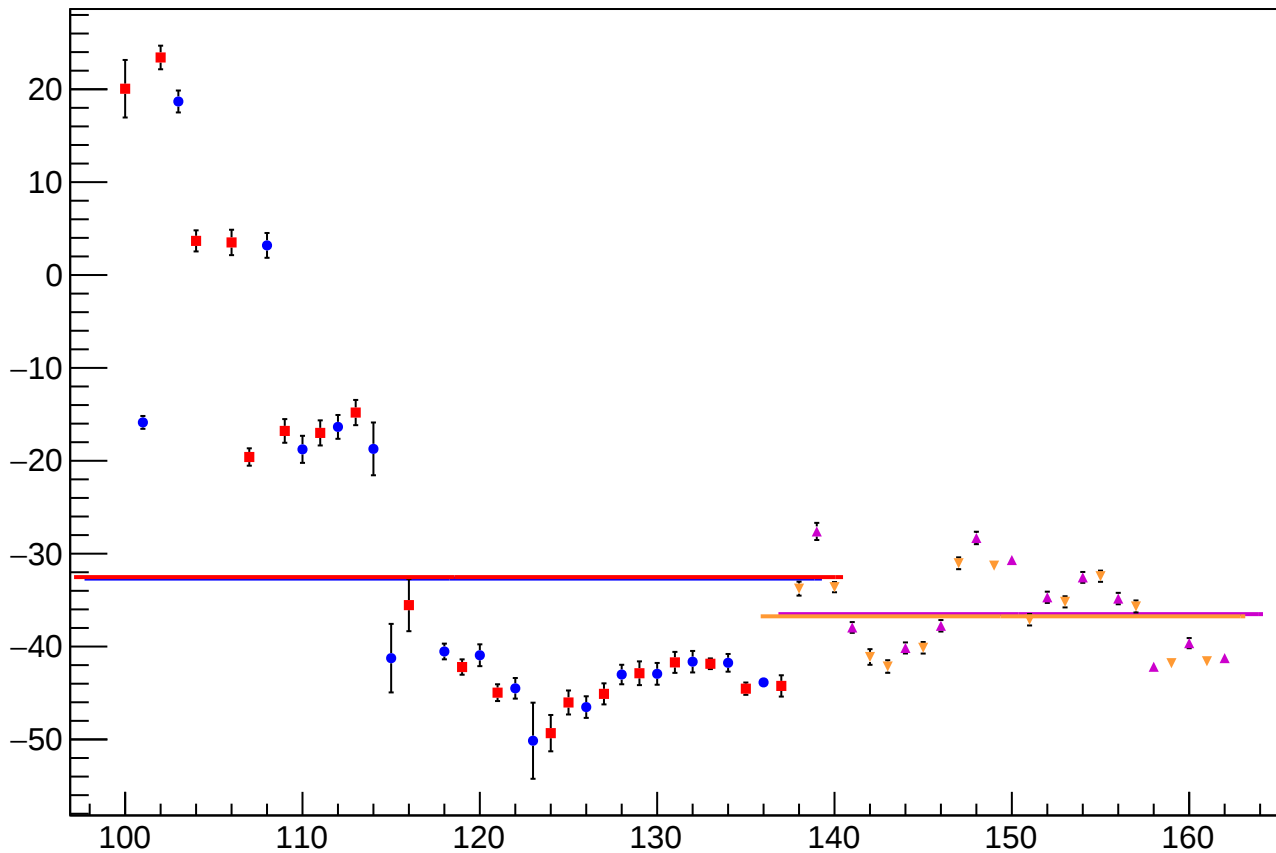
Left In: -9.091 ± 0.194 χ^2/NDF : 549.5/11

+ sign -6.695 ± 0.178 χ^2/NDF : 913.8/29

All: -6.709 ± 0.124 χ^2/NDF : 2264.6/60

- sign -6.722 ± 0.174 χ^2/NDF : 1350.8/30

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: -36.746 ± 0.167 $\chi^2/\text{NDF}: 615.3/12$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

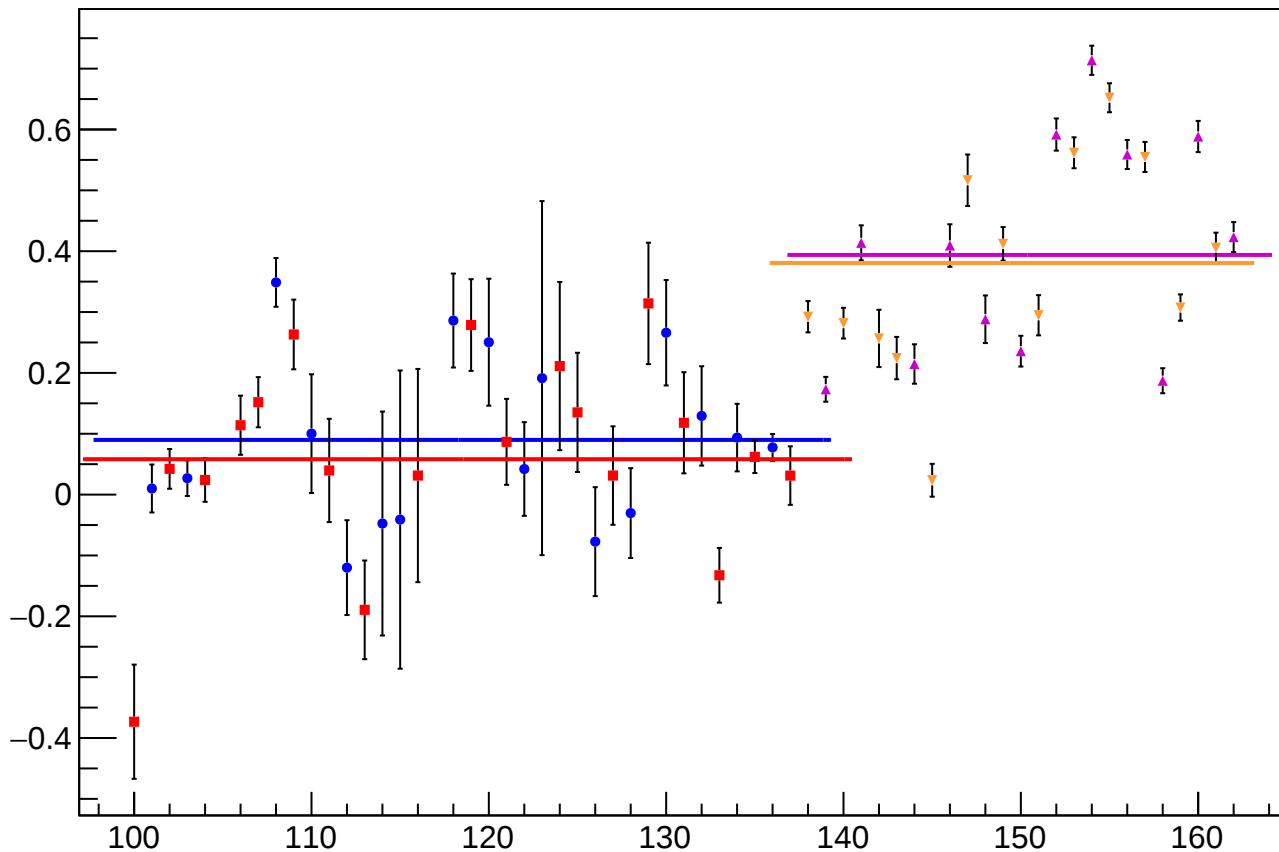
Left In: -36.510 ± 0.168 $\chi^2/\text{NDF}: 750.3/11$

+ sign -35.533 ± 0.140 $\chi^2/\text{NDF}: 5439.3/29$

All: -35.381 ± 0.098 $\chi^2/\text{NDF}: 12418.7/60$

- sign -35.233 ± 0.138 $\chi^2/\text{NDF}: 6977.1/30$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.381 ± 0.008 $\chi^2/\text{NDF}: 490.5/12$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

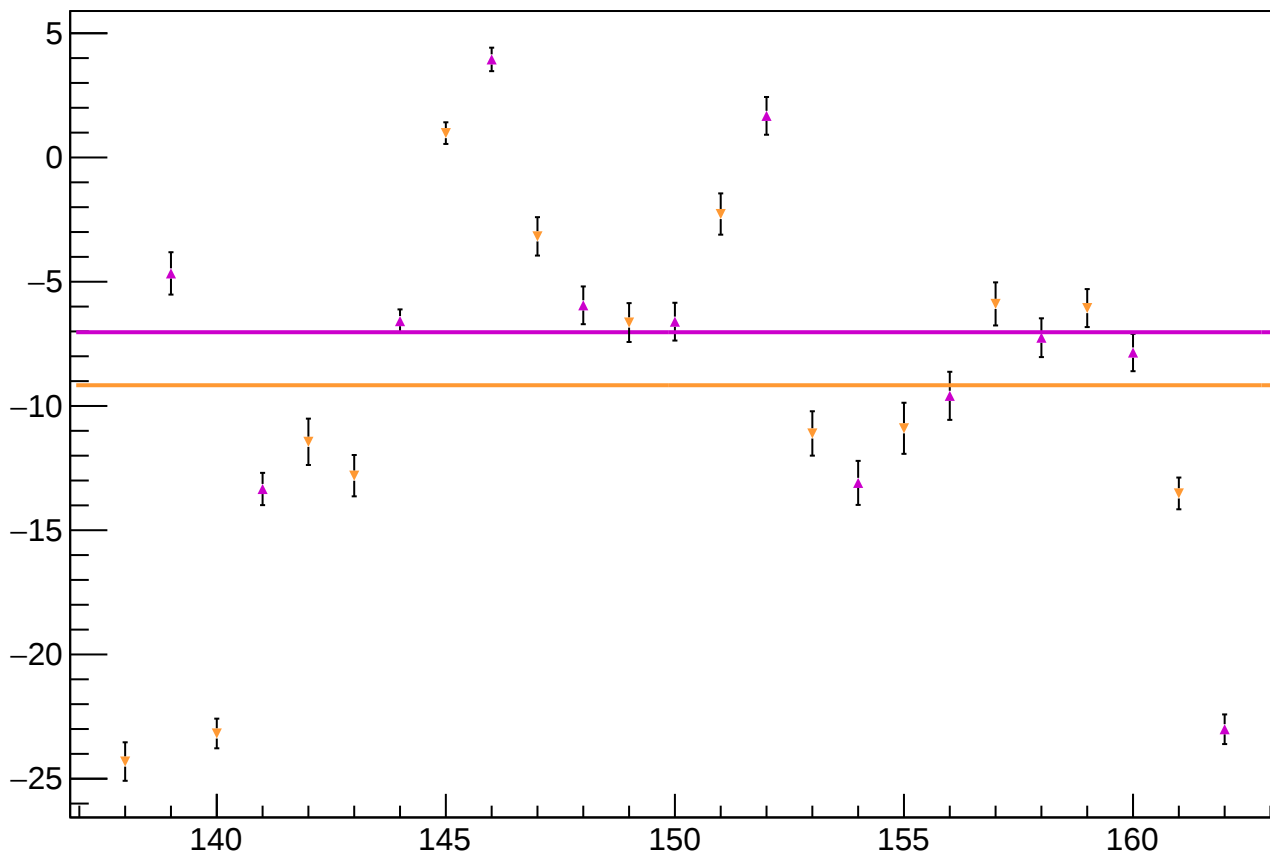
Left In: 0.394 ± 0.007 $\chi^2/\text{NDF}: 636.3/11$

+ sign 0.304 ± 0.007 $\chi^2/\text{NDF}: 952.9/29$

All: 0.303 ± 0.005 $\chi^2/\text{NDF}: 2229.9/60$

- sign 0.302 ± 0.006 $\chi^2/\text{NDF}: 1277.0/30$

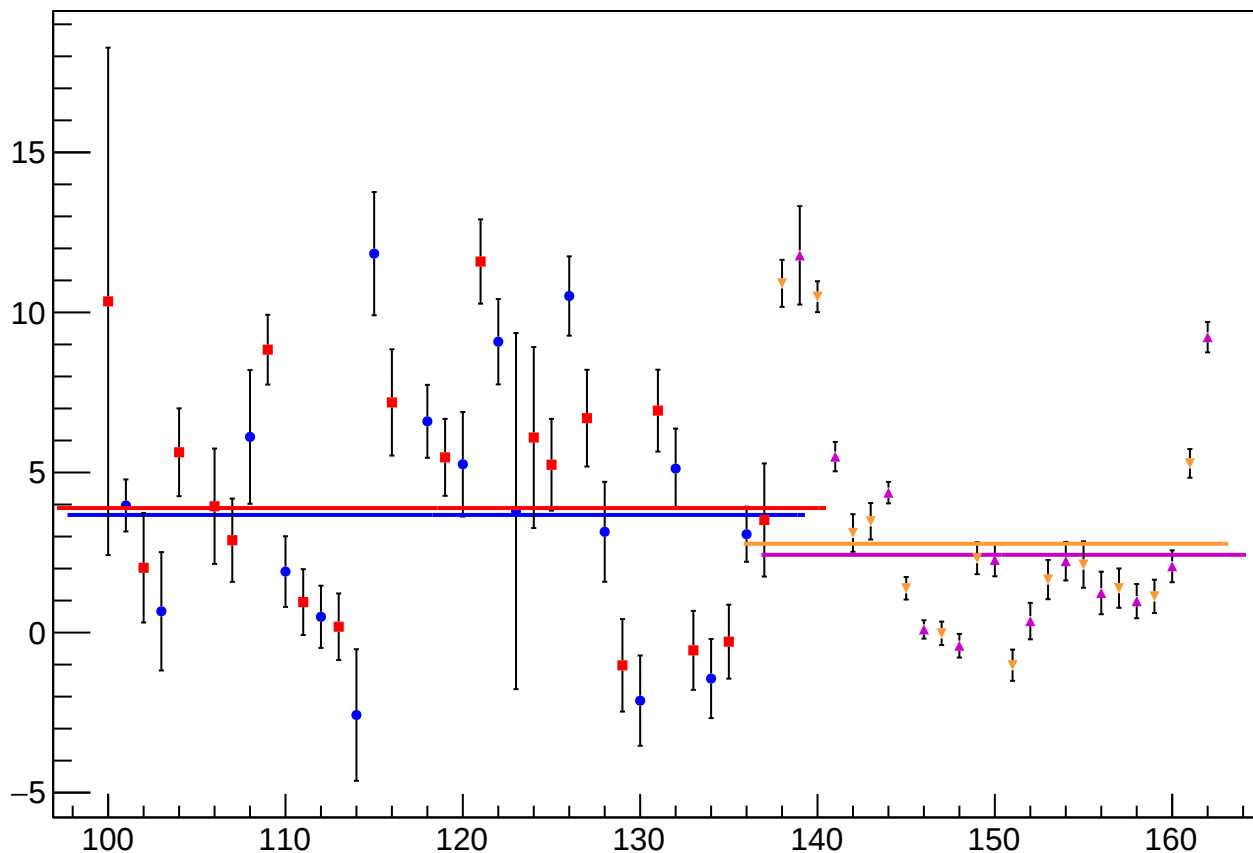
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.166+/-0.201 χ^2/NDF : 1724.4/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.032+/-0.194 χ^2/NDF : 1548.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -8.063+/-0.140 χ^2/NDF : 3331.3/24
 - 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: 2.774 ± 0.139 χ^2/NDF : 566.3/12

Right Out: 3.890 ± 0.316 χ^2/NDF : 133.7/18

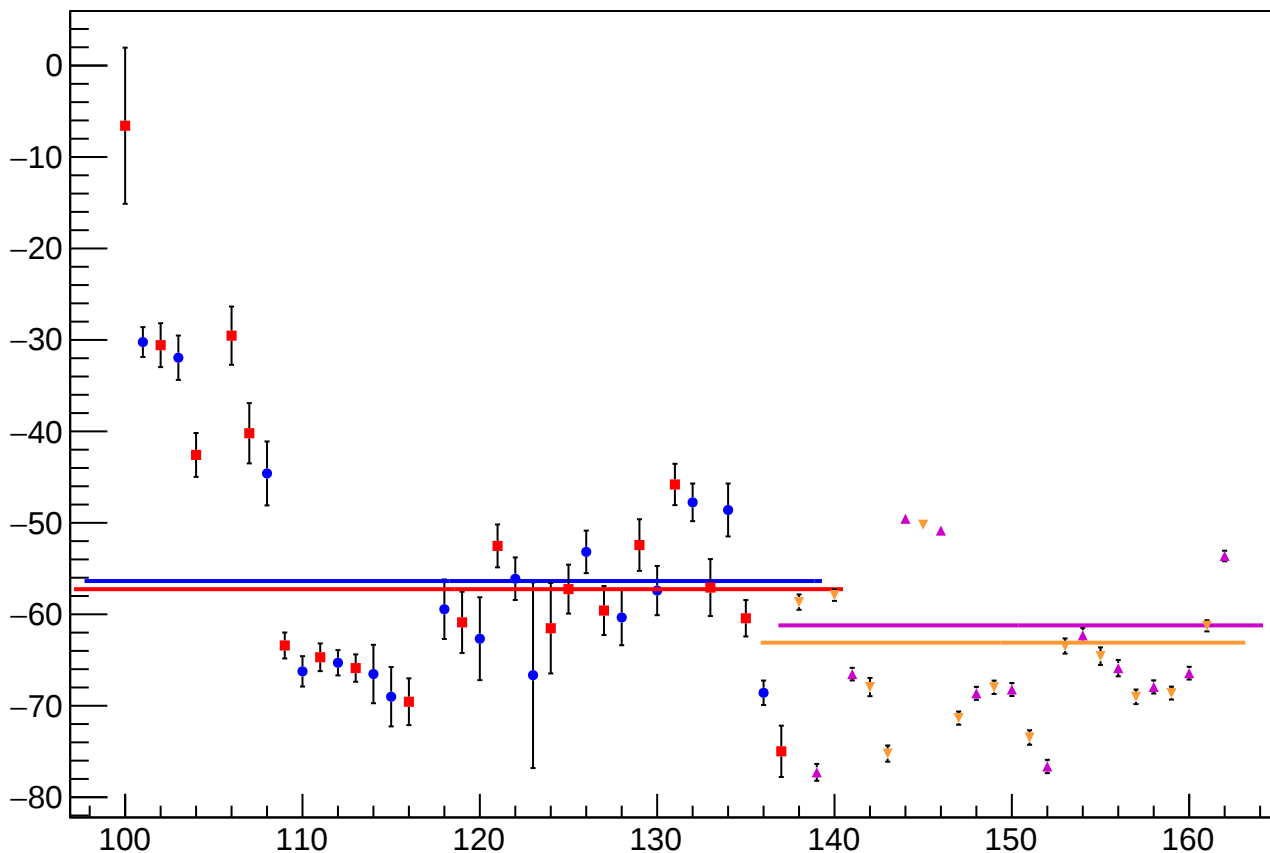
Left In: 2.429 ± 0.132 χ^2/NDF : 469.8/11

+ sign 2.924 ± 0.127 χ^2/NDF : 708.5/29

All: 2.779 ± 0.088 χ^2/NDF : 1332.7/60

- sign 2.645 ± 0.122 χ^2/NDF : 621.7/30

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -63.099 ± 0.200 χ^2/NDF : 1550.6/12

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

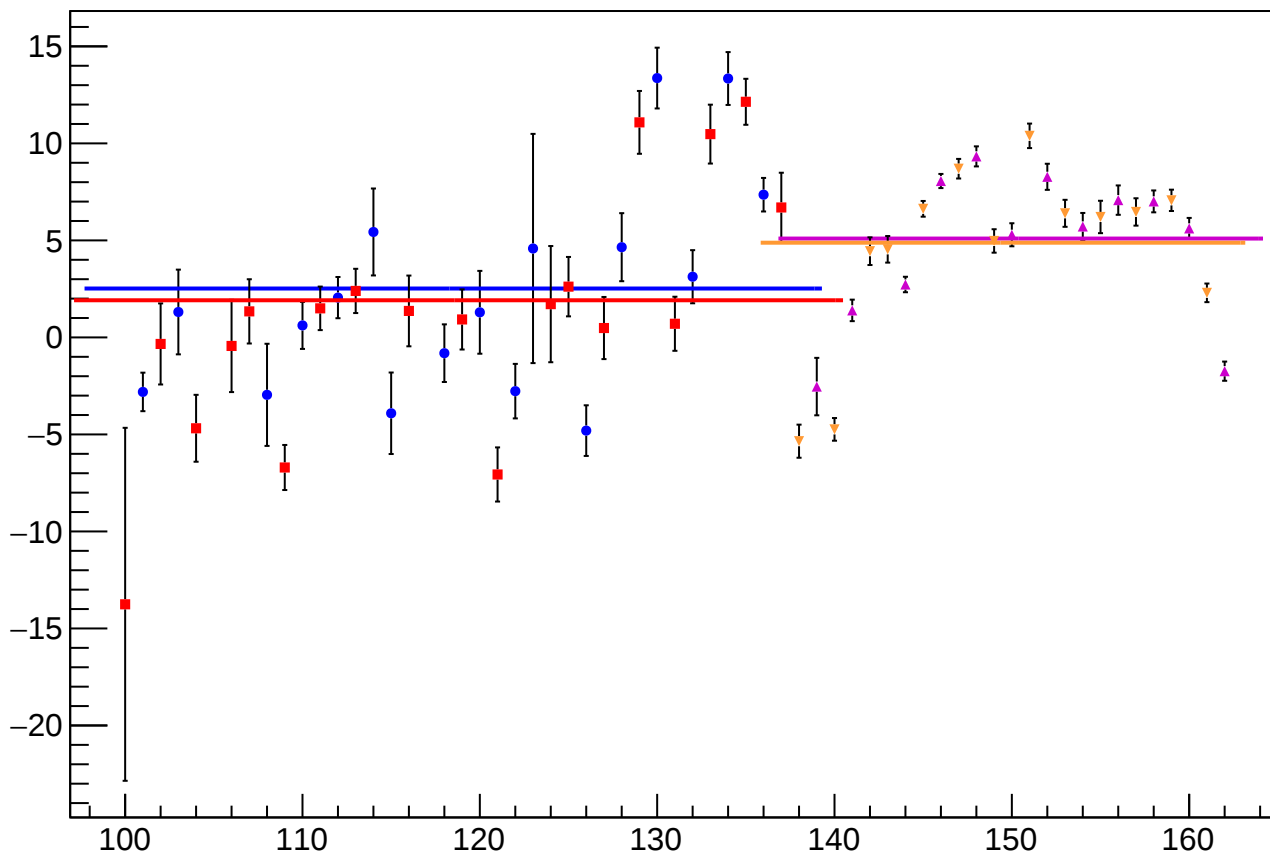
Left In: -61.211 ± 0.190 χ^2/NDF : 2418.6/11

+ sign -62.294 ± 0.188 χ^2/NDF : 2273.2/29

All: -61.496 ± 0.130 χ^2/NDF : 5250.8/60

- sign -60.768 ± 0.179 χ^2/NDF : 2943.0/30

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 4.881 ± 0.165 χ^2/NDF : 624.5/12

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

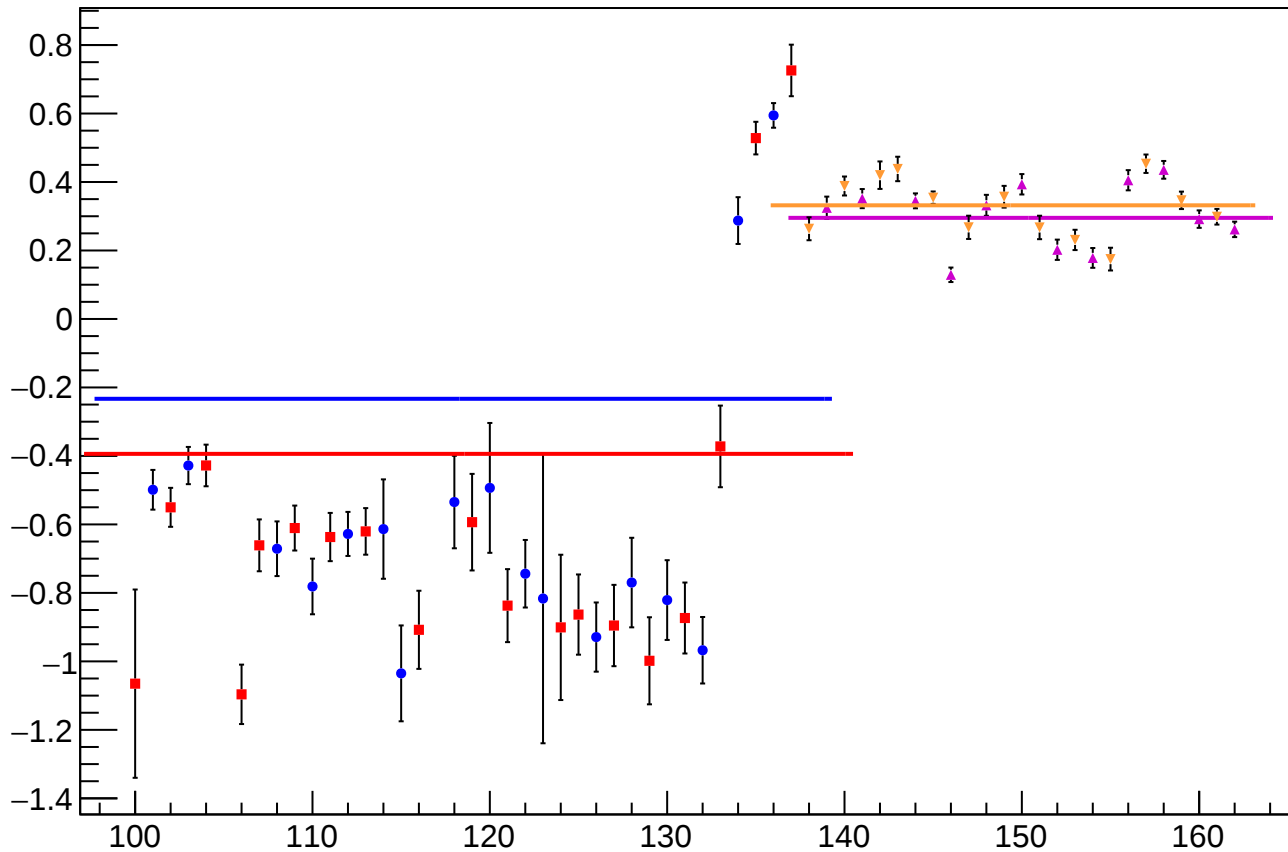
Left In: 5.094 ± 0.157 χ^2/NDF : 473.2/11

+ sign 4.447 ± 0.149 χ^2/NDF : 904.6/29

All: 4.514 ± 0.103 χ^2/NDF : 1710.0/60

- sign 4.576 ± 0.143 χ^2/NDF : 805.0/30

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.332 ± 0.008 χ^2/NDF : 88.1/12

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

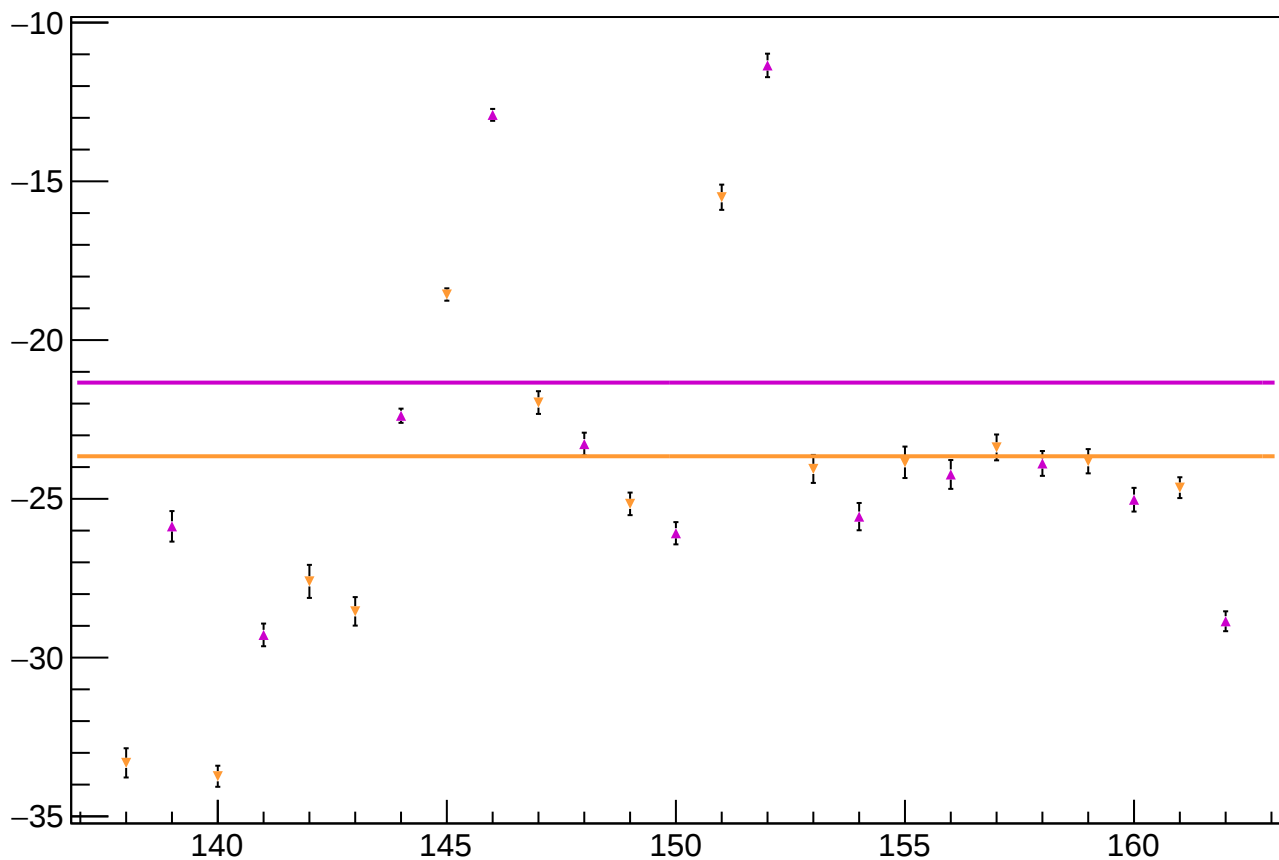
Left In: 0.295 ± 0.008 χ^2/NDF : 155.8/11

+ sign 0.249 ± 0.007 χ^2/NDF : 1806.9/29

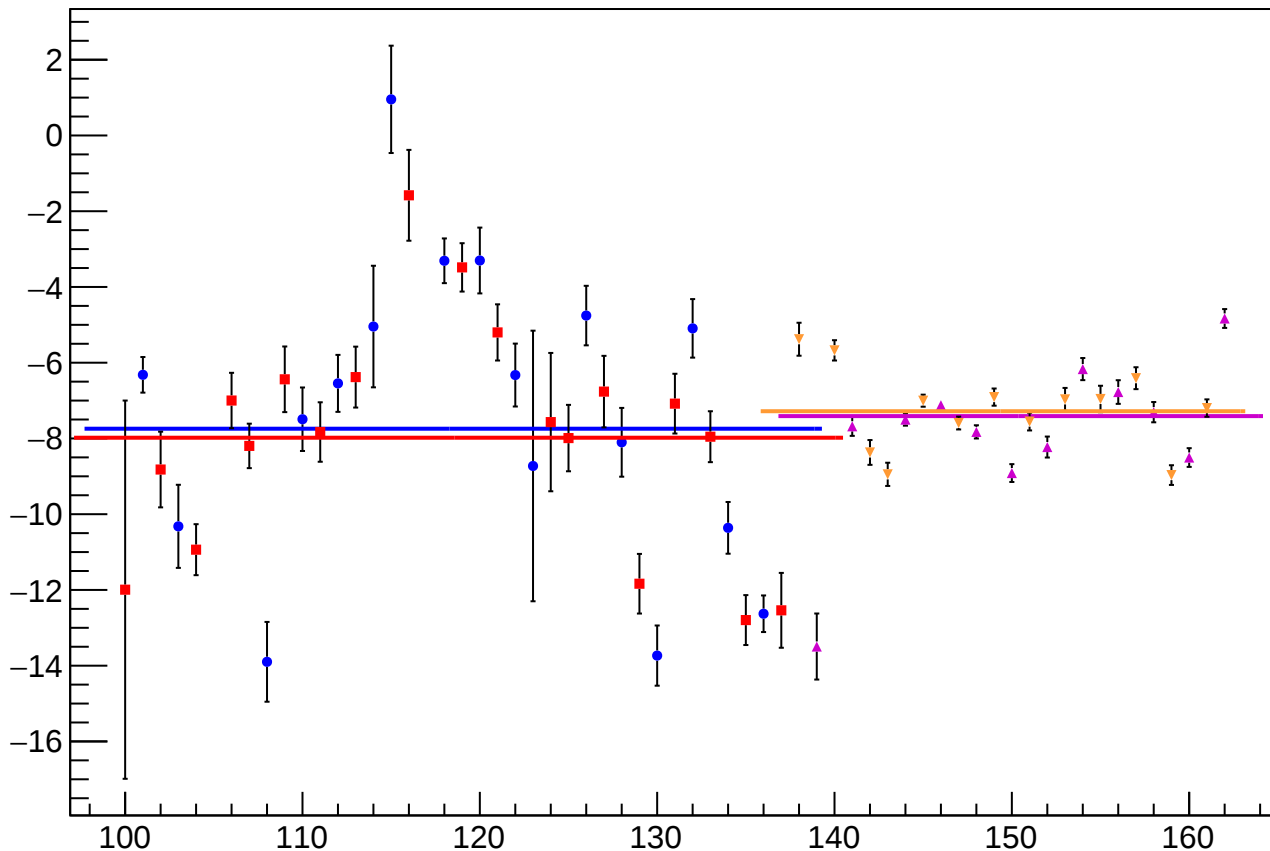
All: 0.224 ± 0.005 χ^2/NDF : 3966.3/60

- sign 0.200 ± 0.007 χ^2/NDF : 2136.0/30

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.281 ± 0.068 χ^2/NDF : 159.3/12

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

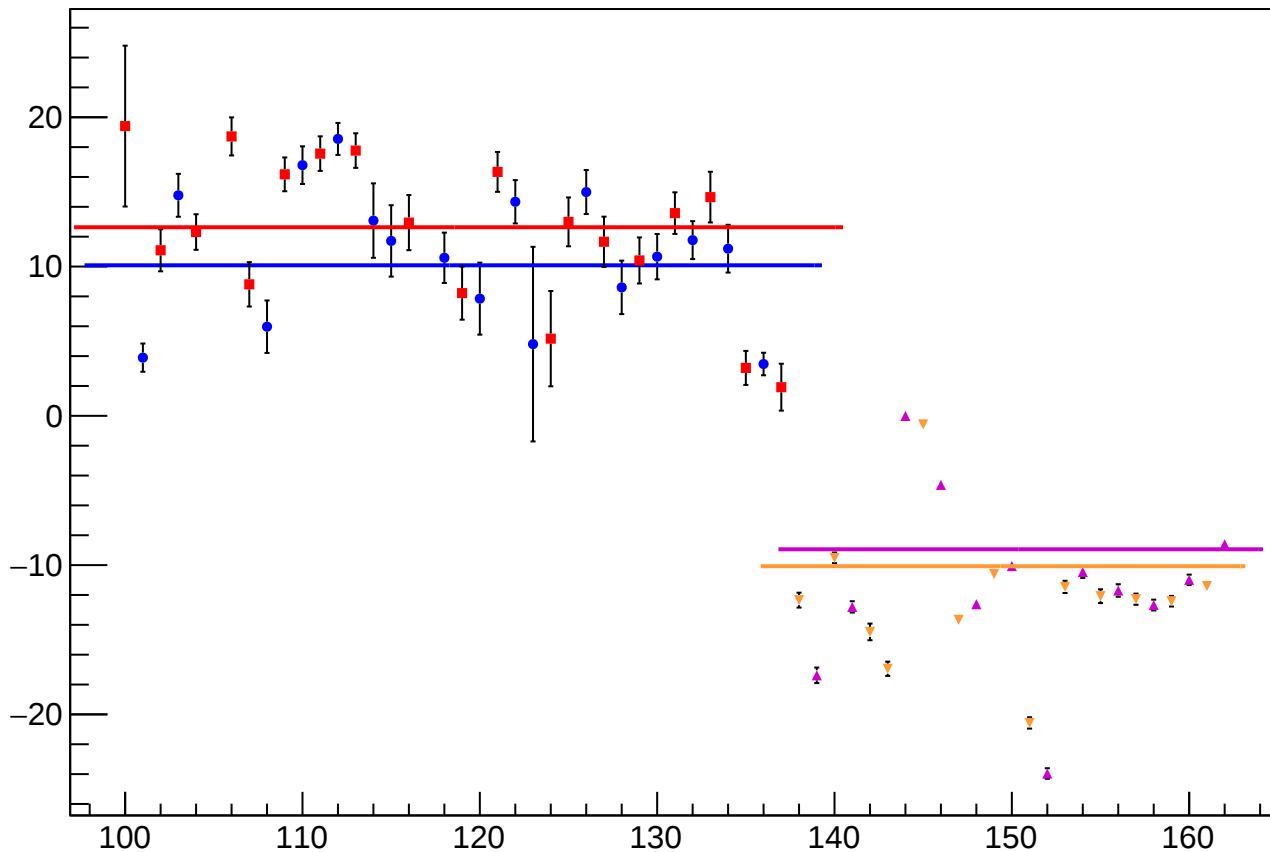
Left In: -7.410 ± 0.062 χ^2/NDF : 260.8/11

+ sign -7.335 ± 0.064 χ^2/NDF : 542.2/29

All: -7.407 ± 0.043 χ^2/NDF : 1037.3/60

- sign -7.467 ± 0.059 χ^2/NDF : 492.8/30

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 $\pm$ 0.338 χ^2 /NDF: 252.7/16

Left Out: -10.075 $\pm$ 0.098 χ^2 /NDF: 3421.8/12

Right Out: 12.632 $\pm$ 0.333 χ^2 /NDF: 218.6/18

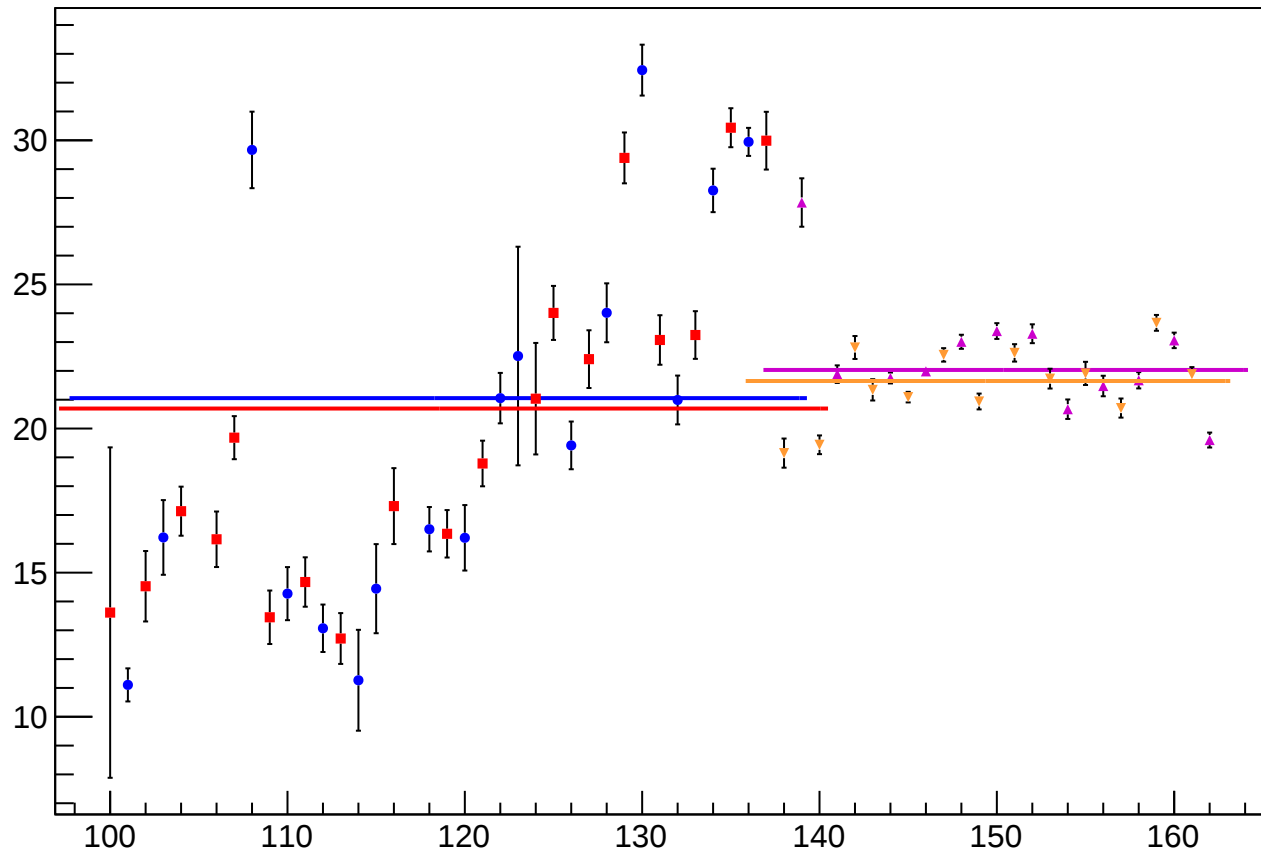
Left In: -8.940 $\pm$ 0.090 χ^2 /NDF: 4459.3/11

+ sign -8.510 $\pm$ 0.094 χ^2 /NDF: 6956.7/29

All: -7.949 $\pm$ 0.064 χ^2 /NDF: 15619.2/60

- sign -7.473 $\pm$ 0.087 χ^2 /NDF: 8596.9/30

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: 21.649 $\pm$ 0.081 χ^2 /NDF:185.0/12

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

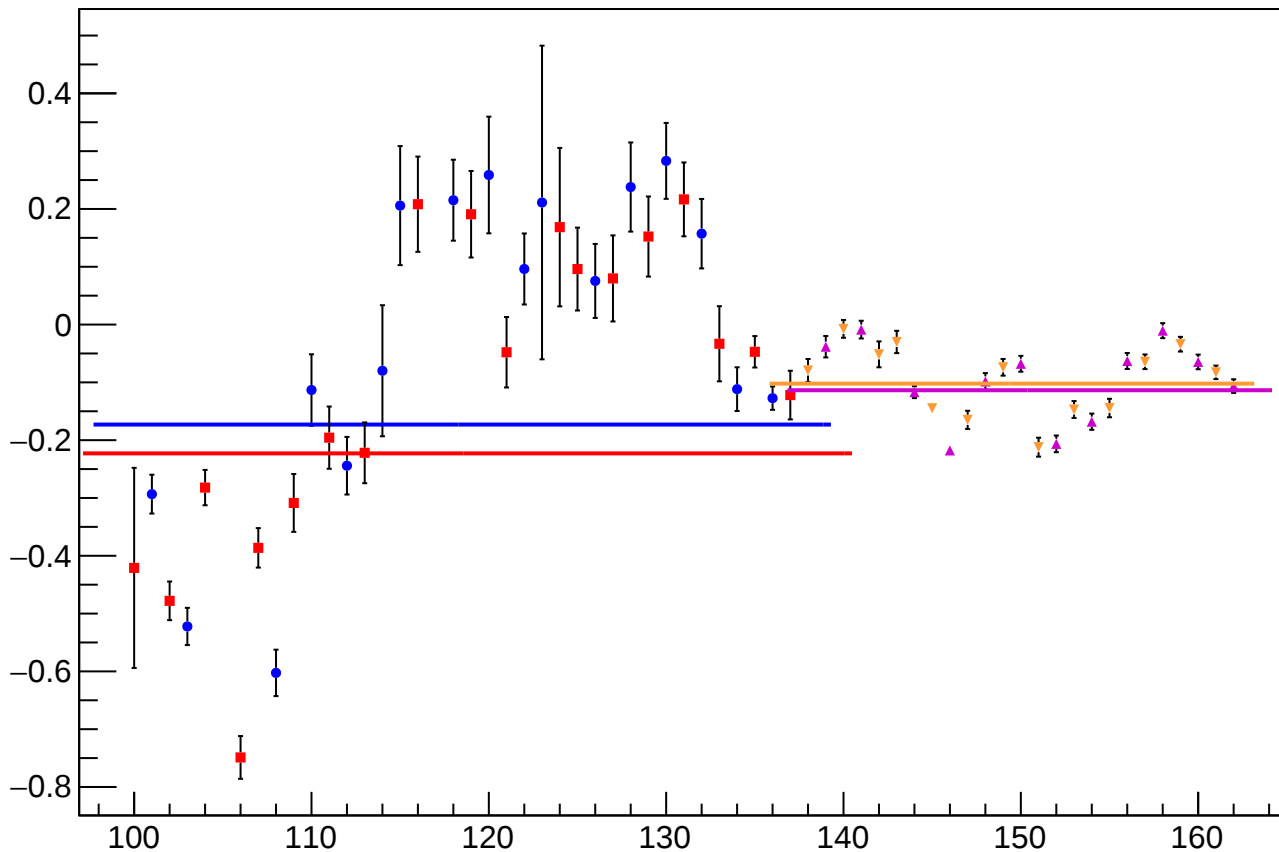
Left In: 22.033 $\pm$ 0.074 χ^2 /NDF:228.2/11

+ sign 21.573 $\pm$ 0.076 χ^2 /NDF: 1403.7/29

All: 21.743 $\pm$ 0.051 χ^2 /NDF: 2400.9/60

- sign 21.889 $\pm$ 0.070 χ^2 /NDF: 987.7/30

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.102 ± 0.004 χ^2/NDF : 207.6/12

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

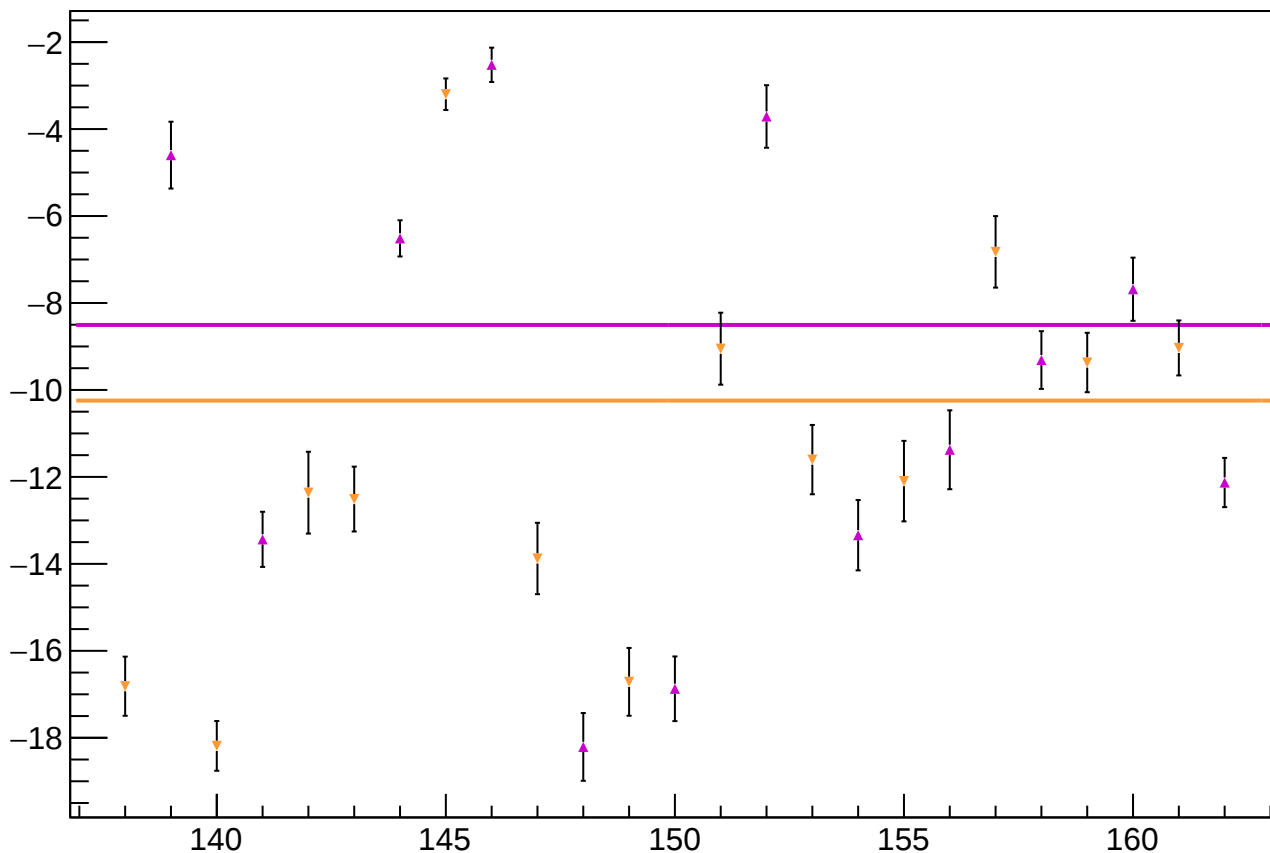
Left In: -0.114 ± 0.004 χ^2/NDF : 375.8/11

+ sign -0.110 ± 0.004 χ^2/NDF : 705.2/29

All: -0.117 ± 0.003 χ^2/NDF : 1714.3/60

- sign -0.125 ± 0.003 χ^2/NDF : 1000.4/30

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.244+/-0.185 χ^2/NDF : 797.8/12

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

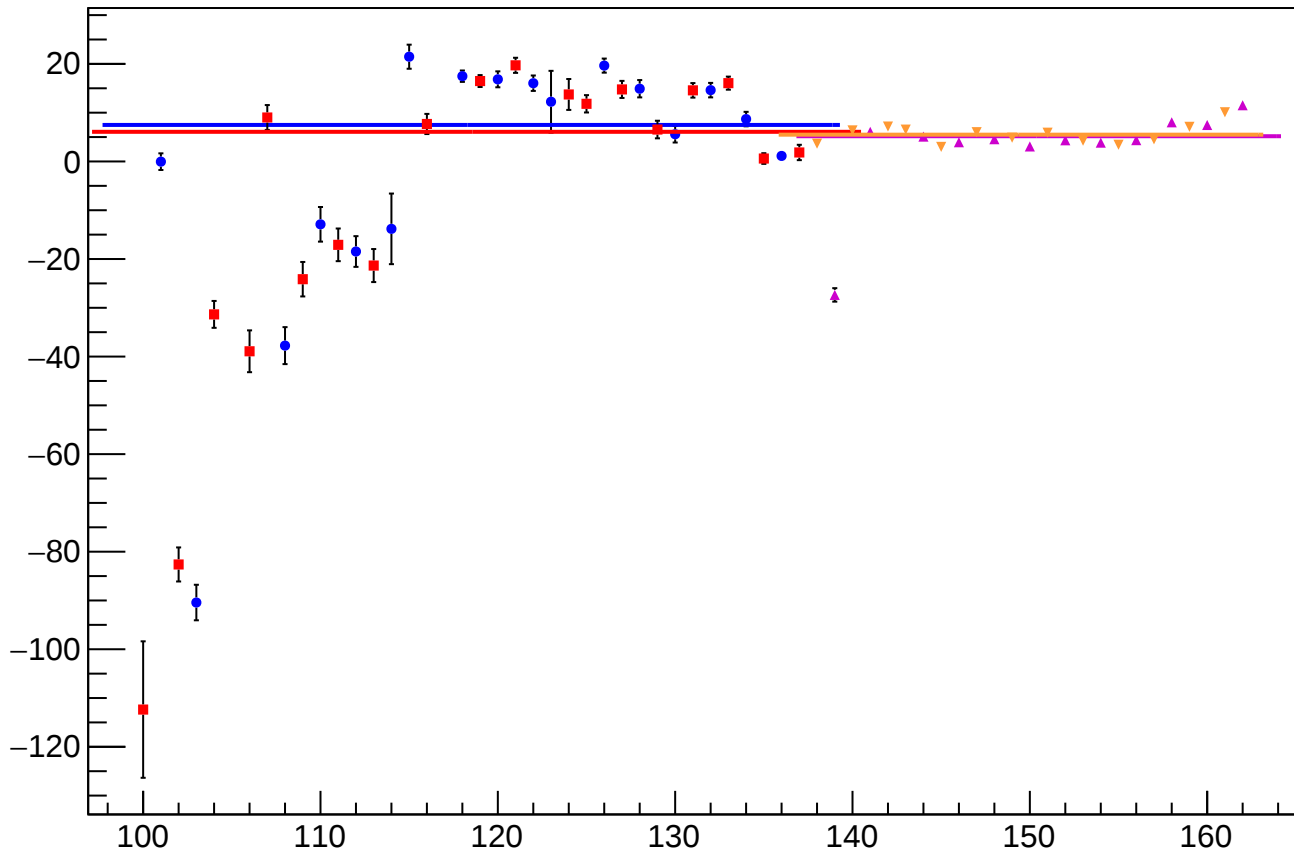
Left In: -8.505+/-0.177 χ^2/NDF : 754.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -9.338+/-0.128 χ^2/NDF : 1598.6/24

- 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 $\chi^2/\text{NDF}: 1340.5/16$

Left Out: 5.492 ± 0.130 $\chi^2/\text{NDF}: 240.7/12$

Right Out: 6.078 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

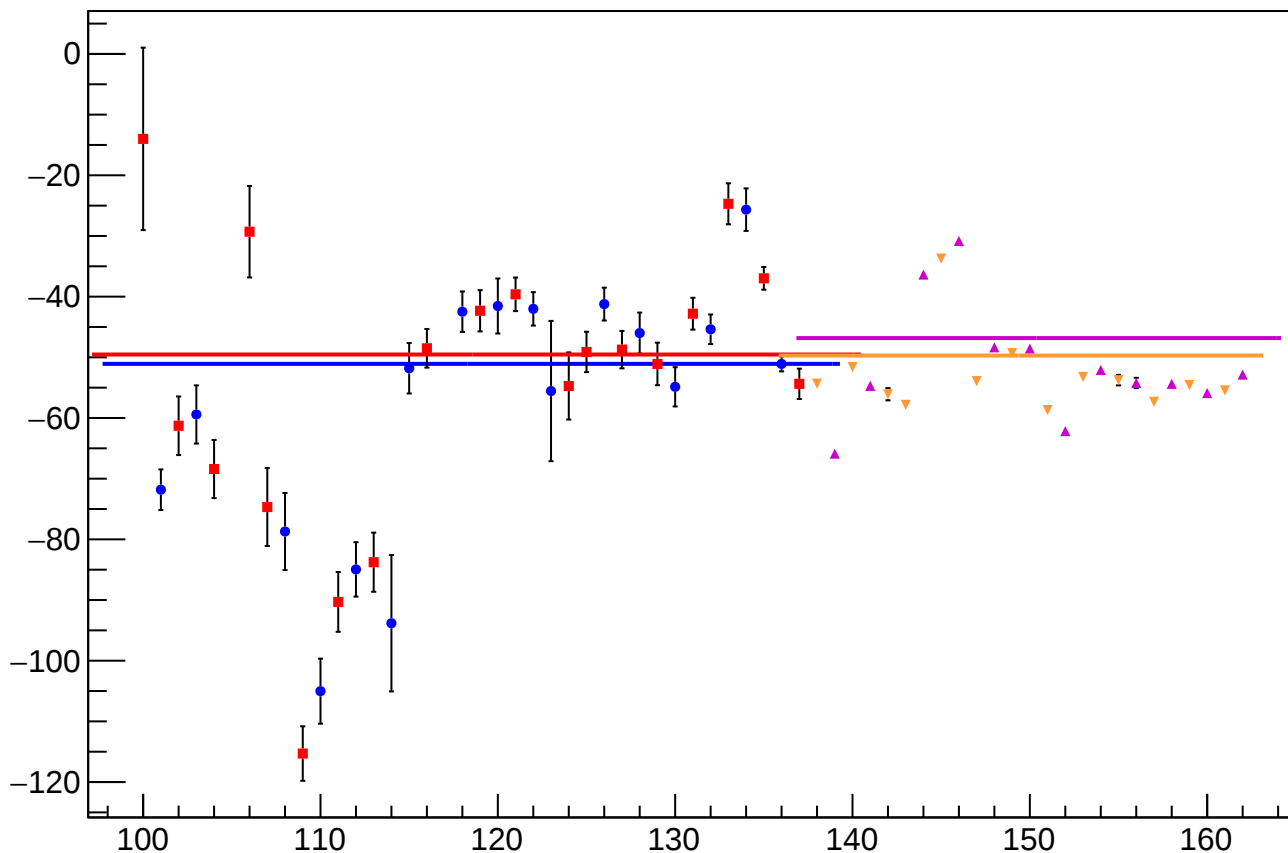
Left In: 5.174 ± 0.122 $\chi^2/\text{NDF}: 872.7/11$

+ sign 5.678 ± 0.124 $\chi^2/\text{NDF}: 1603.0/29$

All: 5.447 ± 0.085 $\chi^2/\text{NDF}: 3998.4/60$

- sign 5.240 ± 0.118 $\chi^2/\text{NDF}: 2388.8/30$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -49.708 ± 0.185 χ^2/NDF : 2350.4/12

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

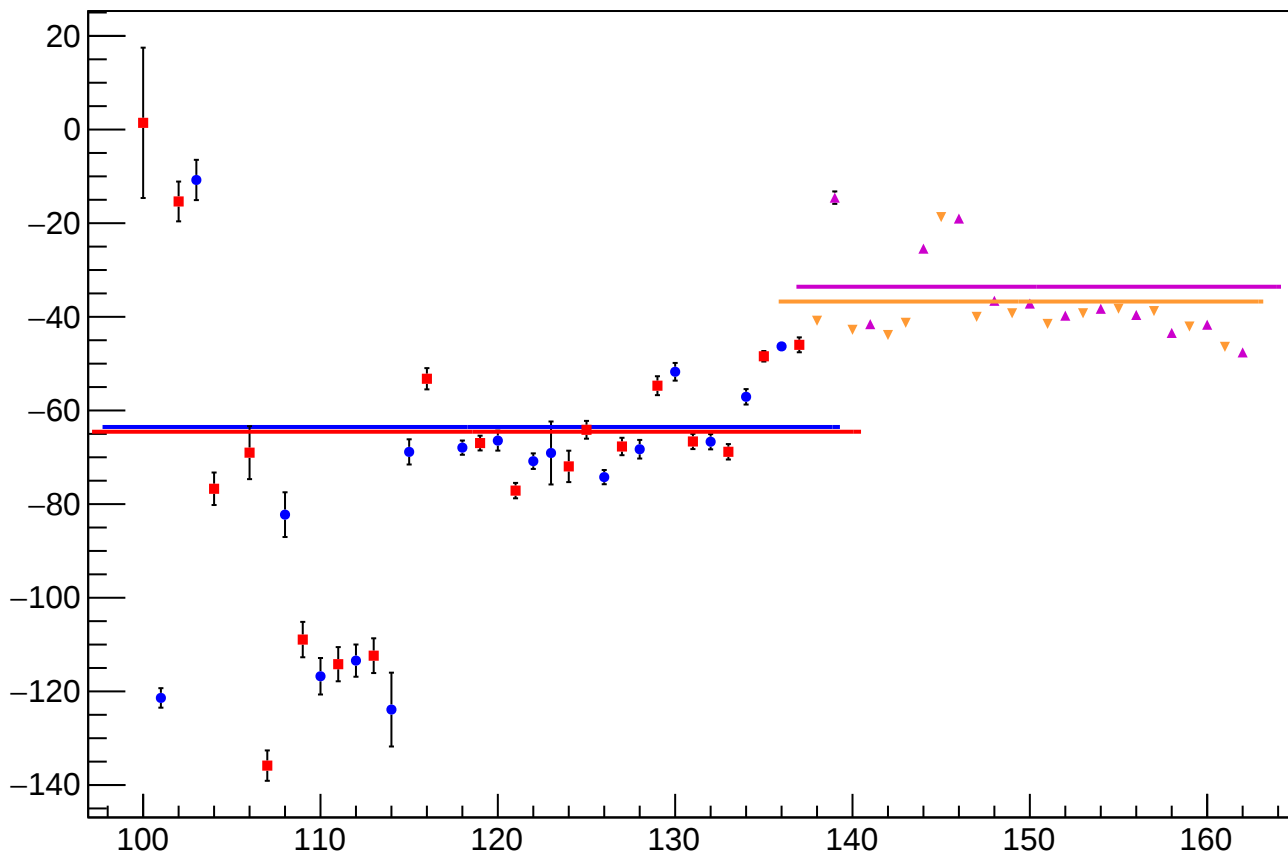
Left In: -46.831 ± 0.174 χ^2/NDF : 4072.9/11

+ sign -49.789 ± 0.180 χ^2/NDF : 2683.8/29

All: -48.291 ± 0.124 χ^2/NDF : 7408.5/60

- sign -46.953 ± 0.170 χ^2/NDF : 4593.4/30

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -36.733 ± 0.153 χ^2/NDF : 3892.6/12

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

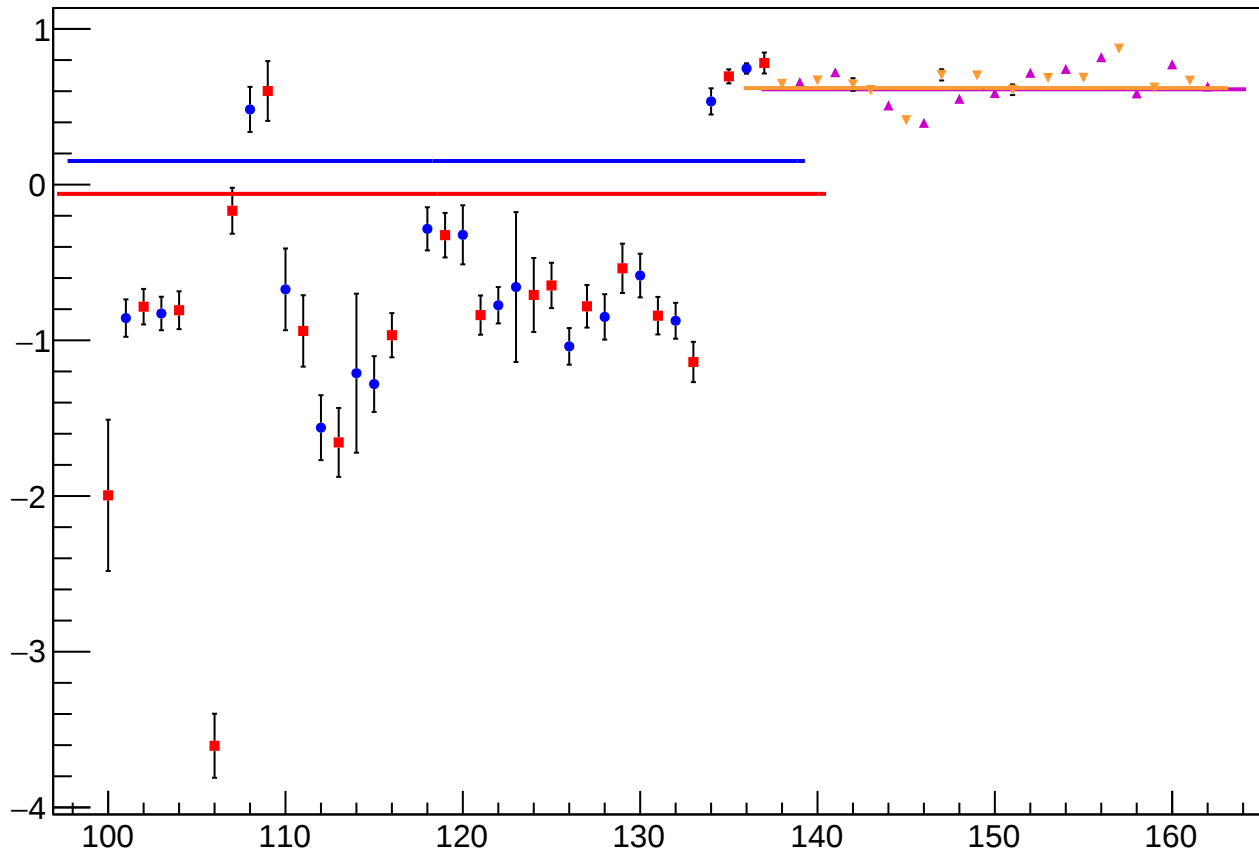
Left In: -33.571 ± 0.144 χ^2/NDF : 4941.3/11

+ sign -39.539 ± 0.145 χ^2/NDF : 9095.8/29

All: -37.738 ± 0.100 χ^2/NDF : 19708.8/60

- sign -36.106 ± 0.138 χ^2/NDF : 10319.6/30

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

Left Out: 0.620 $\pm$ 0.007 χ^2 /NDF:315.5/12

Right Out: -0.059 $\pm$ 0.026 χ^2 /NDF: 1161.9/18

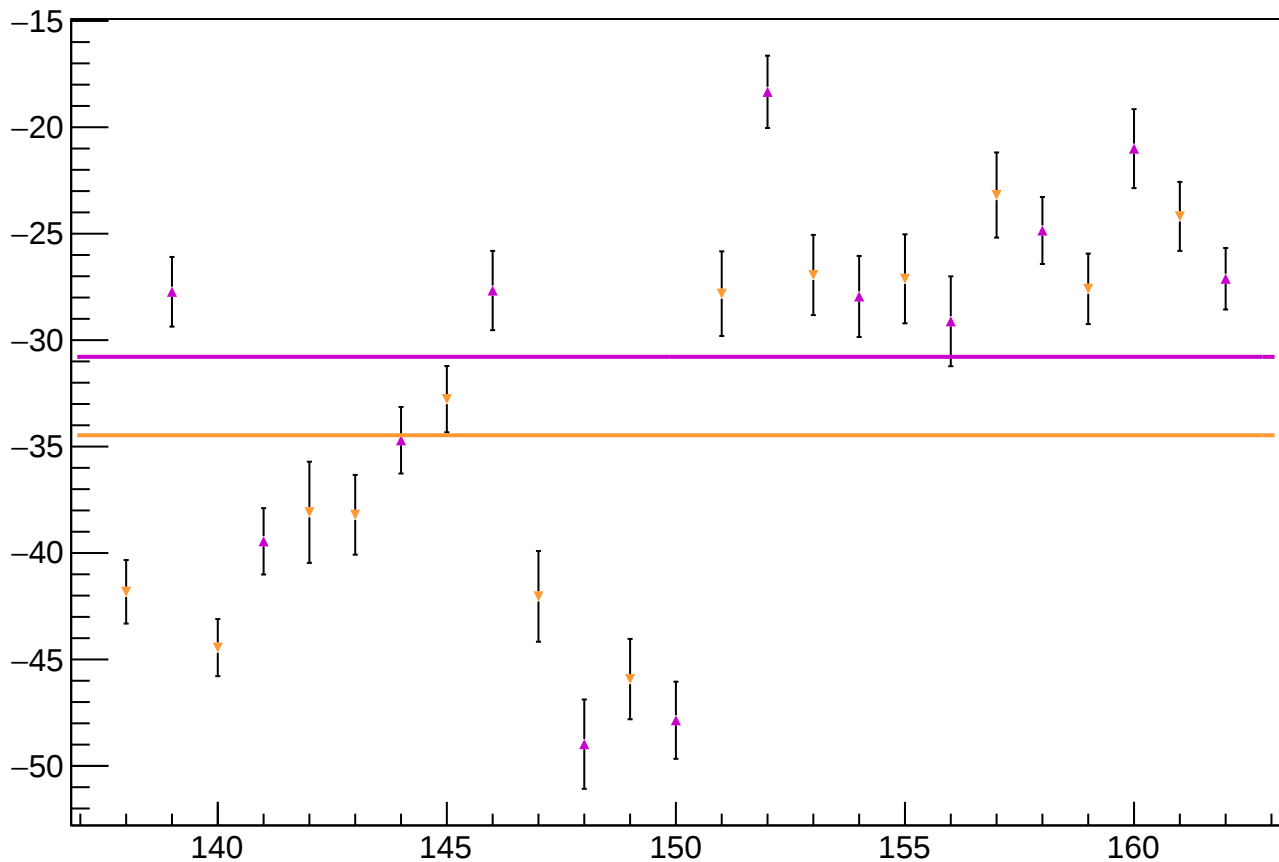
Left In: 0.612 $\pm$ 0.007 χ^2 /NDF:336.6/11

+ sign 0.581 $\pm$ 0.007 χ^2 /NDF: 1651.0/29

All: 0.574 $\pm$ 0.005 χ^2 /NDF: 3760.4/60

- sign 0.568 $\pm$ 0.007 χ^2 /NDF: 2107.5/30

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.469 $\pm$ 0.491 χ^2 /NDF: 265.4/12

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

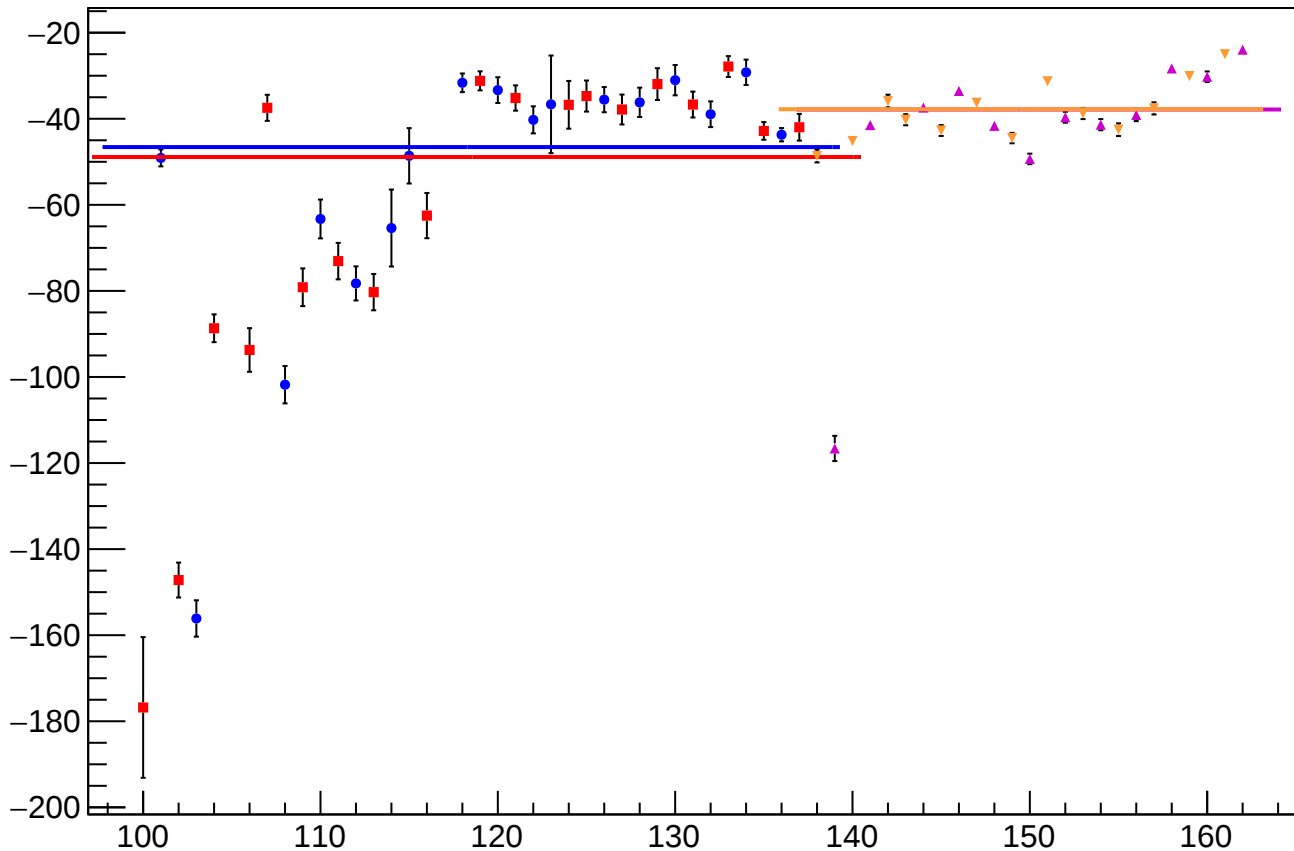
Left In: -30.785 $\pm$ 0.498 χ^2 /NDF: 312.5/11

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

All: -32.651 $\pm$ 0.350 χ^2 /NDF: 605.6/24

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

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579±0.730 χ^2/NDF : 1076.4/16

Left Out: -37.783±0.344 χ^2/NDF : 366.3/12

Right Out: -48.888±0.763 χ^2/NDF : 1277.5/18

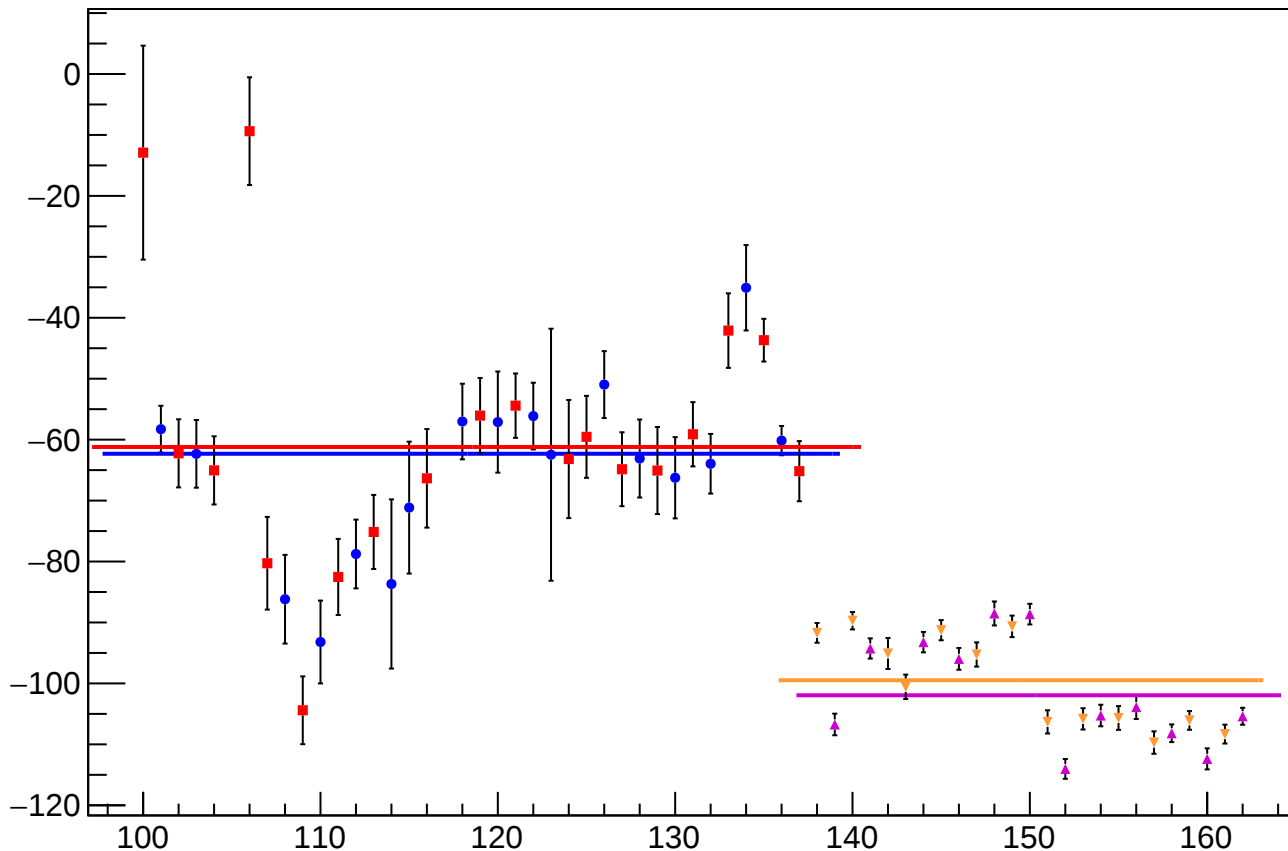
Left In: -37.848±0.352 χ^2/NDF : 1119.3/11

+ sign -39.384±0.311 χ^2/NDF : 1561.5/29

All: -39.579±0.223 χ^2/NDF : 4131.6/60

- sign -39.785±0.320 χ^2/NDF : 2569.3/30

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -99.483 ± 0.487 χ^2/NDF : 245.4/12

Right Out: -61.203 ± 1.381 χ^2/NDF : 165.0/18

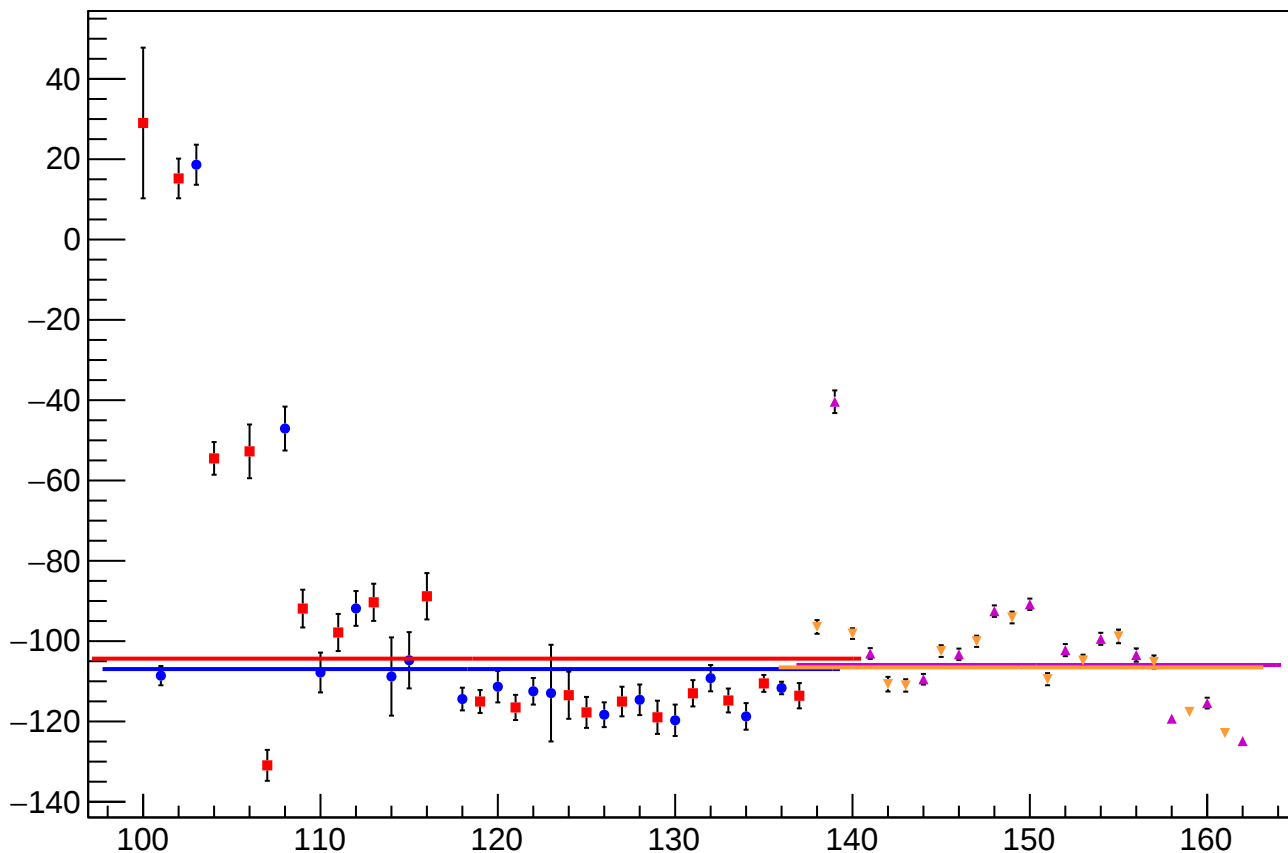
Left In: -101.947 ± 0.485 χ^2/NDF : 296.3/11

+ sign -95.005 ± 0.457 χ^2/NDF : 1014.5/29

All: -96.234 ± 0.323 χ^2/NDF : 2265.2/60

- sign -97.469 ± 0.458 χ^2/NDF : 1236.2/30

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -106.536 ± 0.405 χ^2/NDF : 484.4/12

Right Out: -104.356 ± 0.861 χ^2/NDF : 1021.0/18

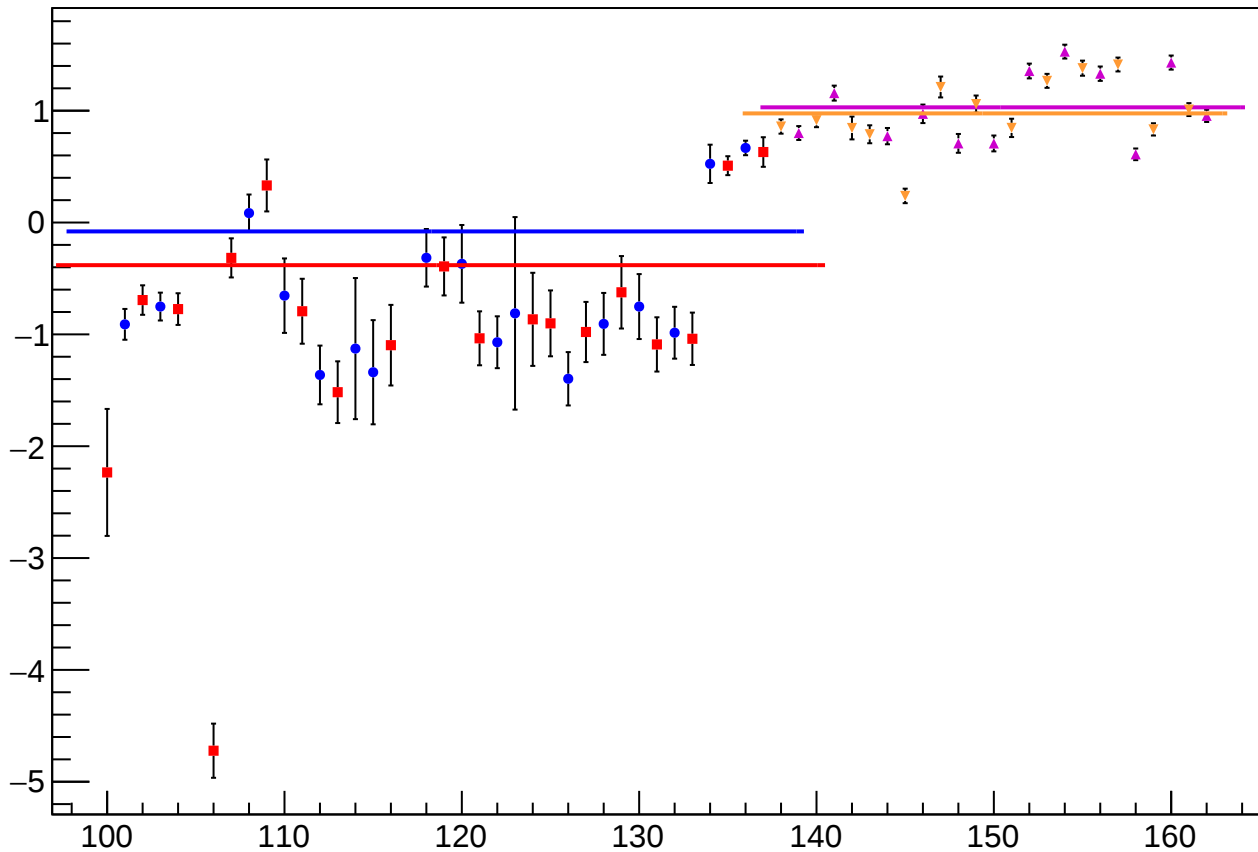
Left In: -105.938 ± 0.408 χ^2/NDF : 1219.1/11

+ sign -106.618 ± 0.363 χ^2/NDF : 1311.9/29

All: -106.141 ± 0.259 χ^2/NDF : 3558.2/60

- sign -105.647 ± 0.369 χ^2/NDF : 2242.9/30

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.976 ± 0.019 χ^2/NDF : 265.1/12

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

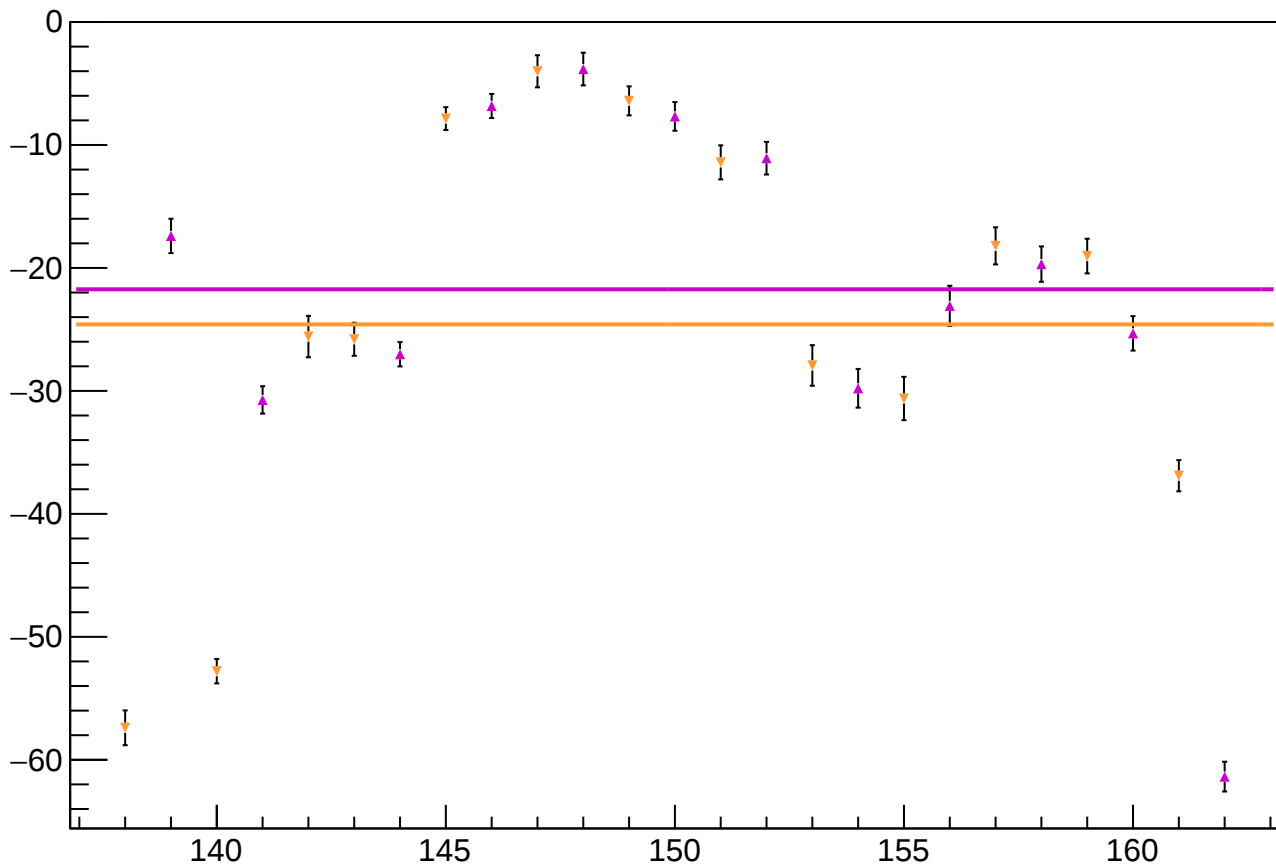
Left In: 1.030 ± 0.019 χ^2/NDF : 283.1/11

+ sign 0.799 ± 0.017 χ^2/NDF : 1112.7/29

All: 0.806 ± 0.012 χ^2/NDF : 2846.4/60

- sign 0.813 ± 0.017 χ^2/NDF : 1733.5/30

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -24.594+/-0.361 χ^2/NDF : 2394.9/12

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

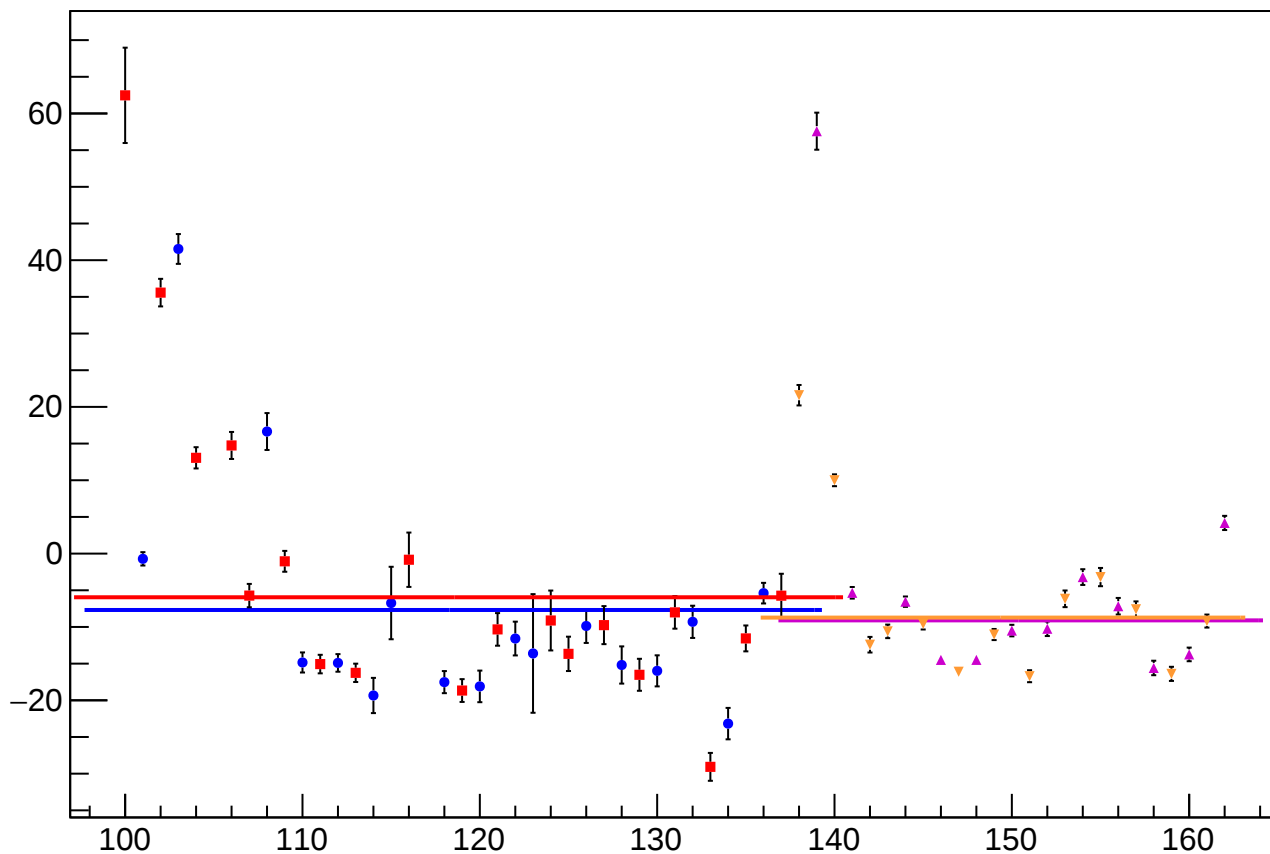
Left In: -21.737+/-0.360 χ^2/NDF : 1832.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -23.162+/-0.255 χ^2/NDF : 4259.0/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -8.725 ± 0.248 χ^2/NDF : 1361.7/12

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

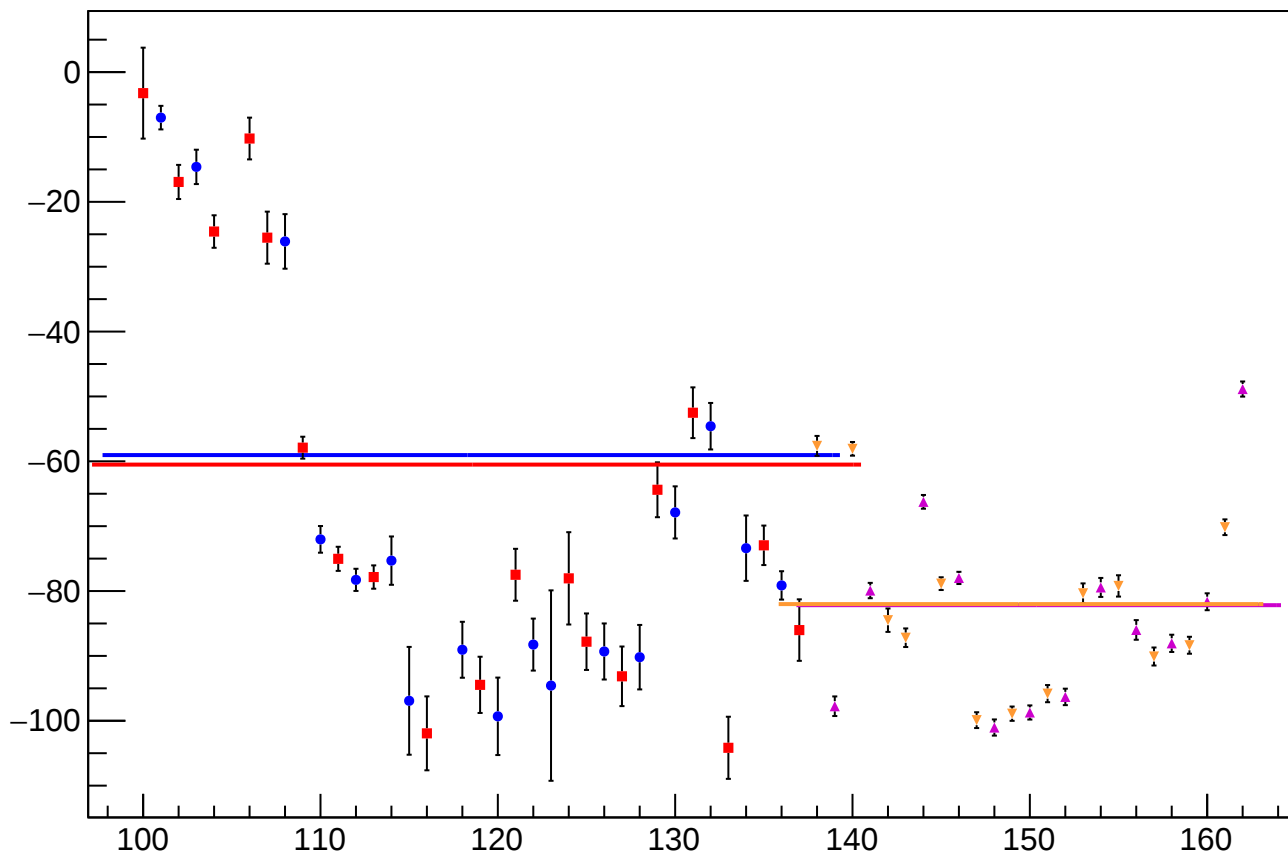
Left In: -9.102 ± 0.248 χ^2/NDF : 1172.0/11

+ sign -8.466 ± 0.215 χ^2/NDF : 2342.1/29

All: -8.390 ± 0.152 χ^2/NDF : 4852.8/60

- sign -8.314 ± 0.215 χ^2/NDF : 2510.5/30

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -82.012 ± 0.358 χ^2/NDF : 1509.7/12

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

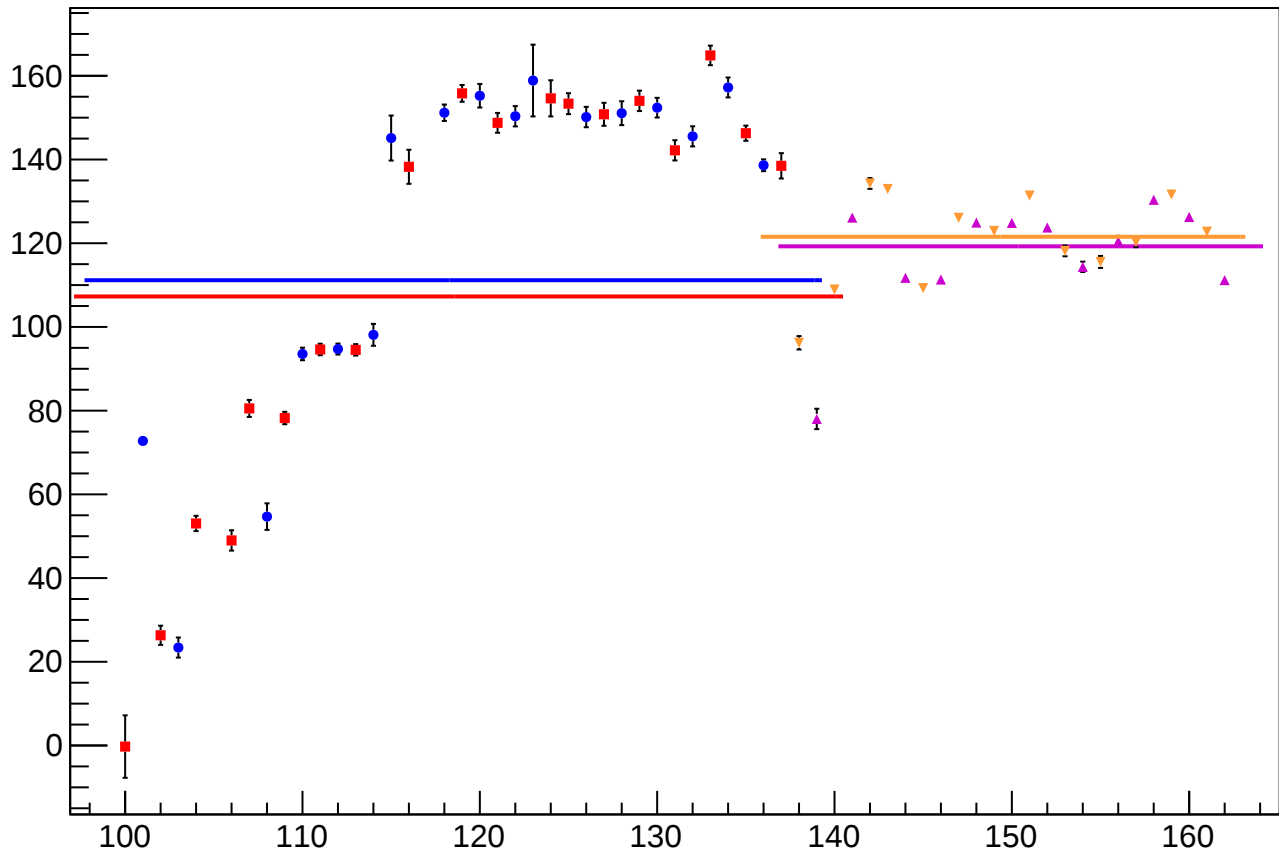
Left In: -82.180 ± 0.352 χ^2/NDF : 1784.6/11

+ sign -77.709 ± 0.323 χ^2/NDF : 3990.6/29

All: -77.781 ± 0.225 χ^2/NDF : 7917.6/60

- sign -77.849 ± 0.315 χ^2/NDF : 3926.9/30

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: 121.545 $\pm$ 0.295 χ^2 /NDF:1060.2/12

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

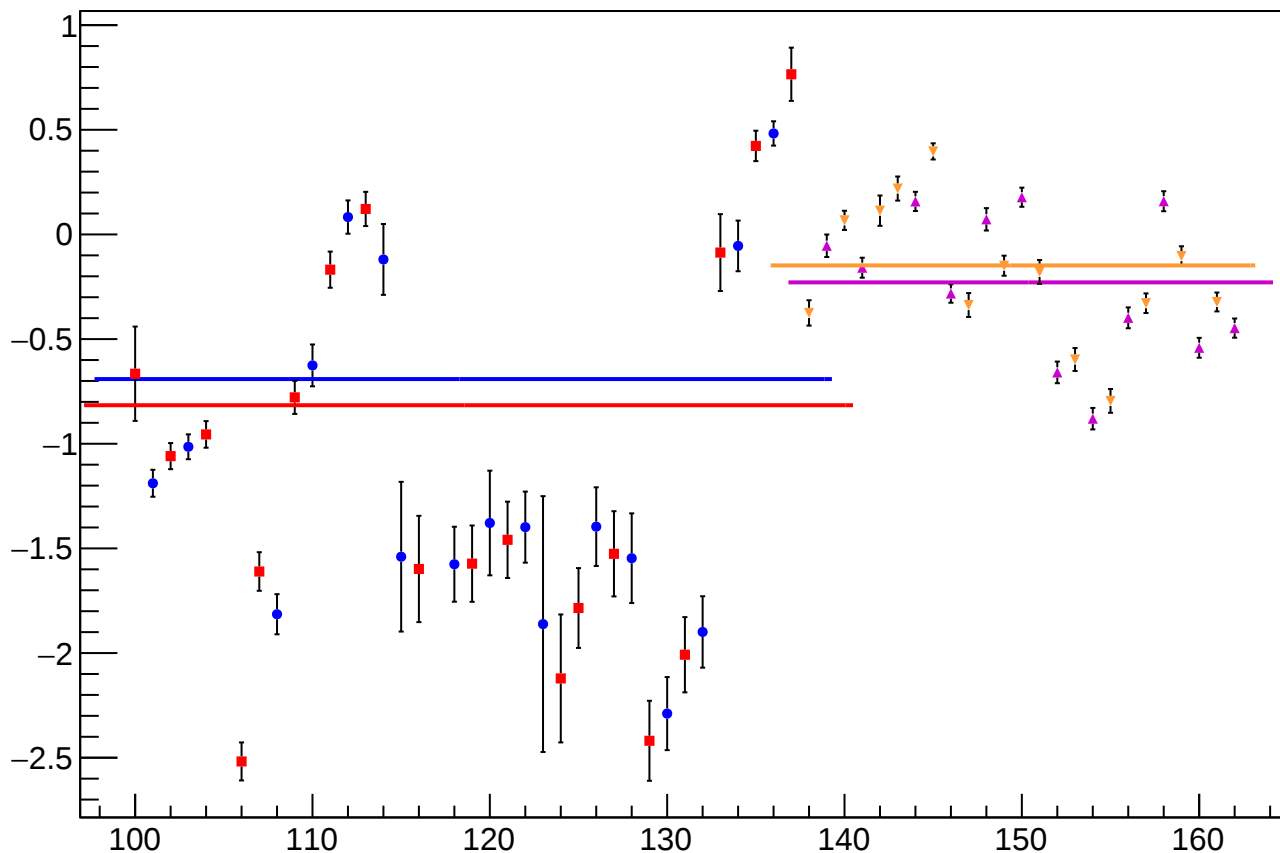
Left In: 119.260 $\pm$ 0.293 χ^2 /NDF:860.5/11

+ sign 118.768 $\pm$ 0.253 χ^2 /NDF: 7268.3/29

All: 117.418 $\pm$ 0.178 χ^2 /NDF: 15683.8/60

- sign 116.088 $\pm$ 0.251 χ^2 /NDF: 8359.0/30

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.148 ± 0.014 χ^2/NDF : 528.4/12

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

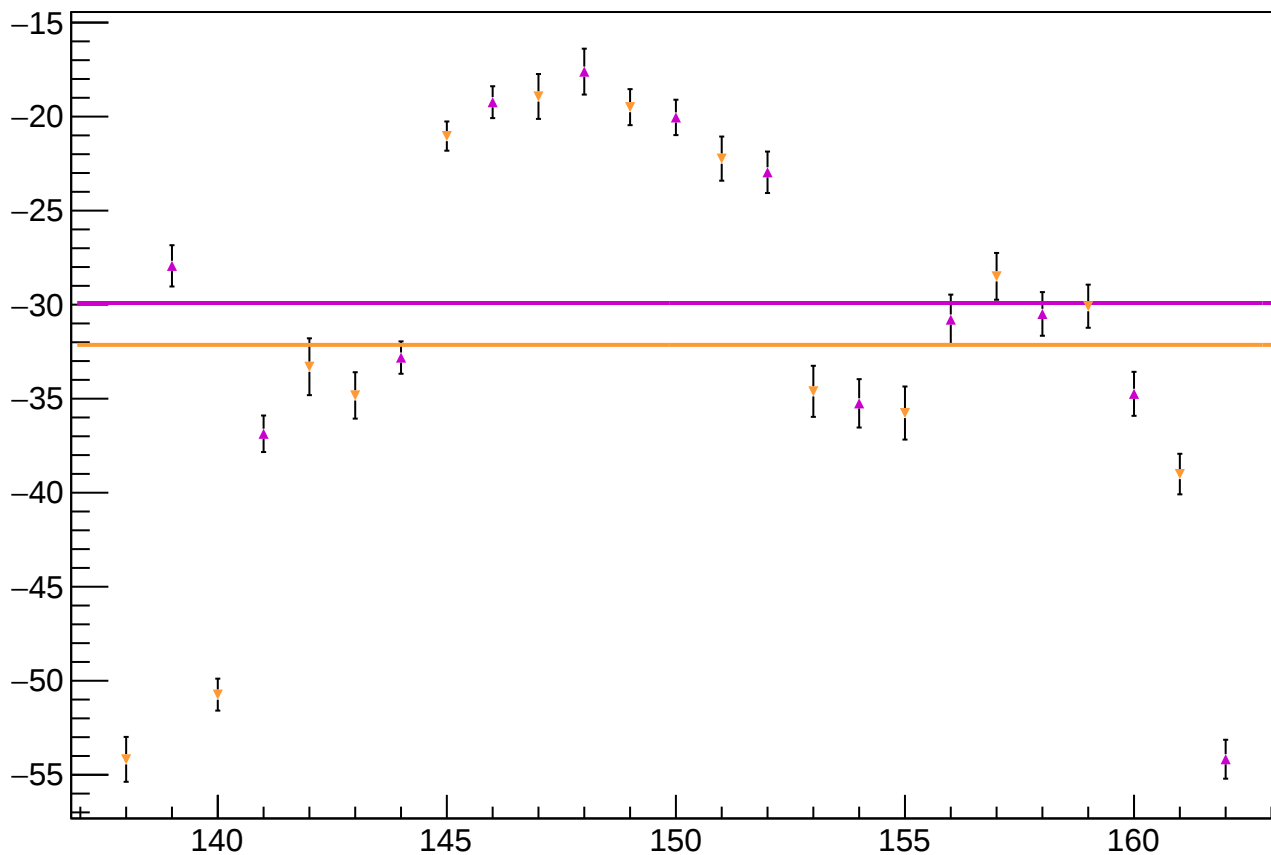
Left In: -0.229 ± 0.014 χ^2/NDF : 570.6/11

+ sign -0.273 ± 0.012 χ^2/NDF : 1859.6/29

All: -0.325 ± 0.009 χ^2/NDF : 4205.3/60

- sign -0.374 ± 0.012 χ^2/NDF : 2311.6/30

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -32.139+/-0.306 χ^2/NDF :1459.7/12

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

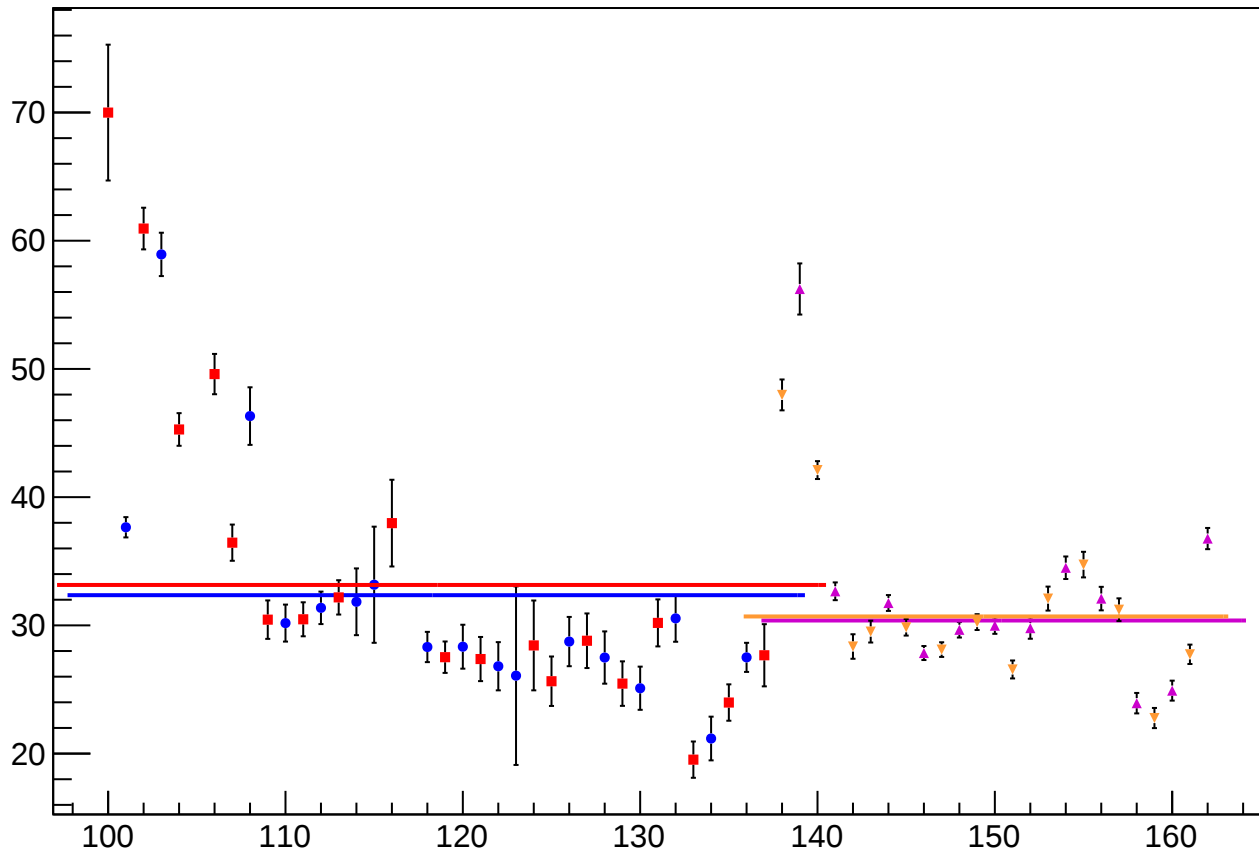
Left In: -29.912+/-0.304 χ^2/NDF :1060.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -31.017+/-0.216 χ^2/NDF : 2547.2/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355 $\pm$ 0.375 χ^2/NDF : 450.5/16

Left Out: 30.695 $\pm$ 0.213 χ^2/NDF : 675.0/12

Right Out: 33.152 $\pm$ 0.379 χ^2/NDF : 772.0/18

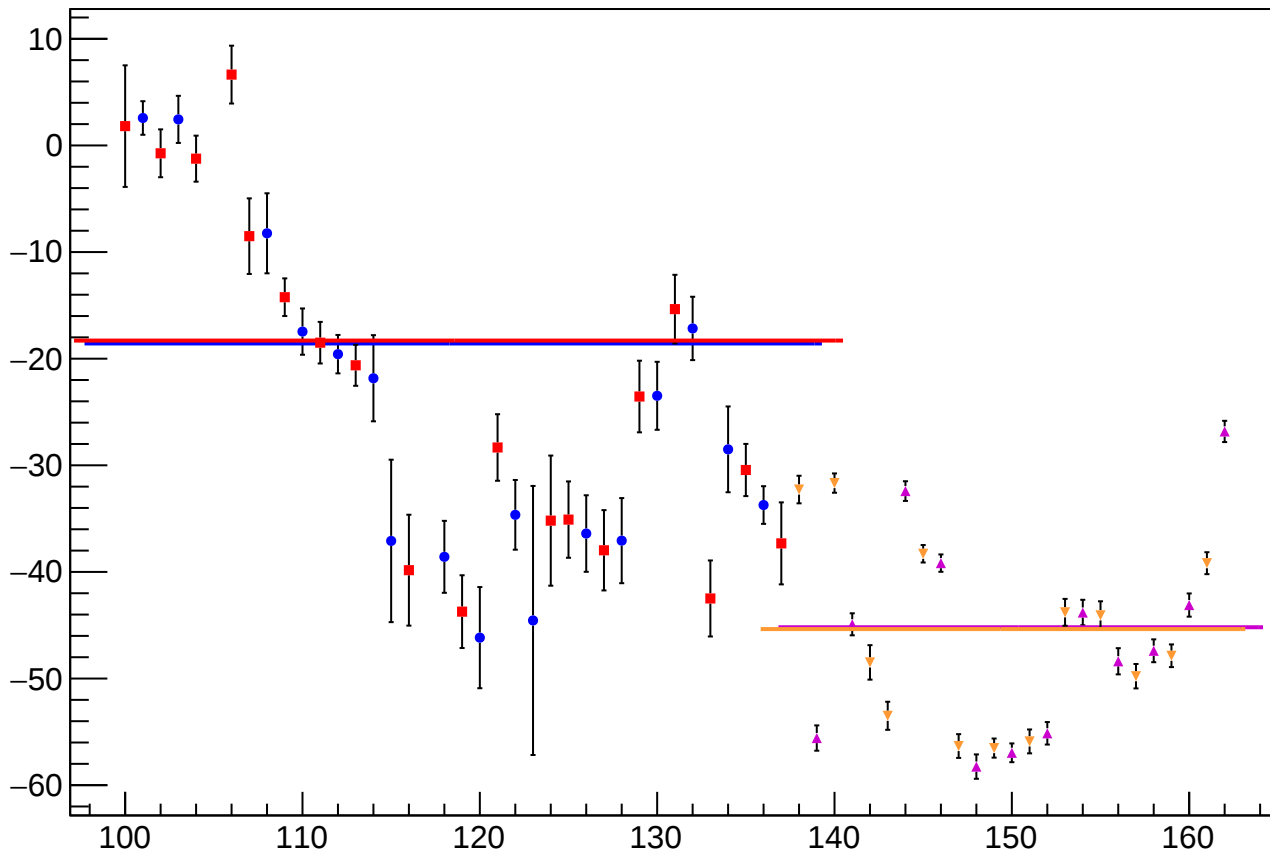
Left In: 30.380 $\pm$ 0.212 χ^2/NDF : 407.6/11

+ sign 31.098 $\pm$ 0.185 χ^2/NDF : 1140.3/29

All: 31.071 $\pm$ 0.131 χ^2/NDF : 2360.6/60

- sign 31.043 $\pm$ 0.185 χ^2/NDF : 1220.3/30

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -45.361 ± 0.303 χ^2/NDF : 846.7/12

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

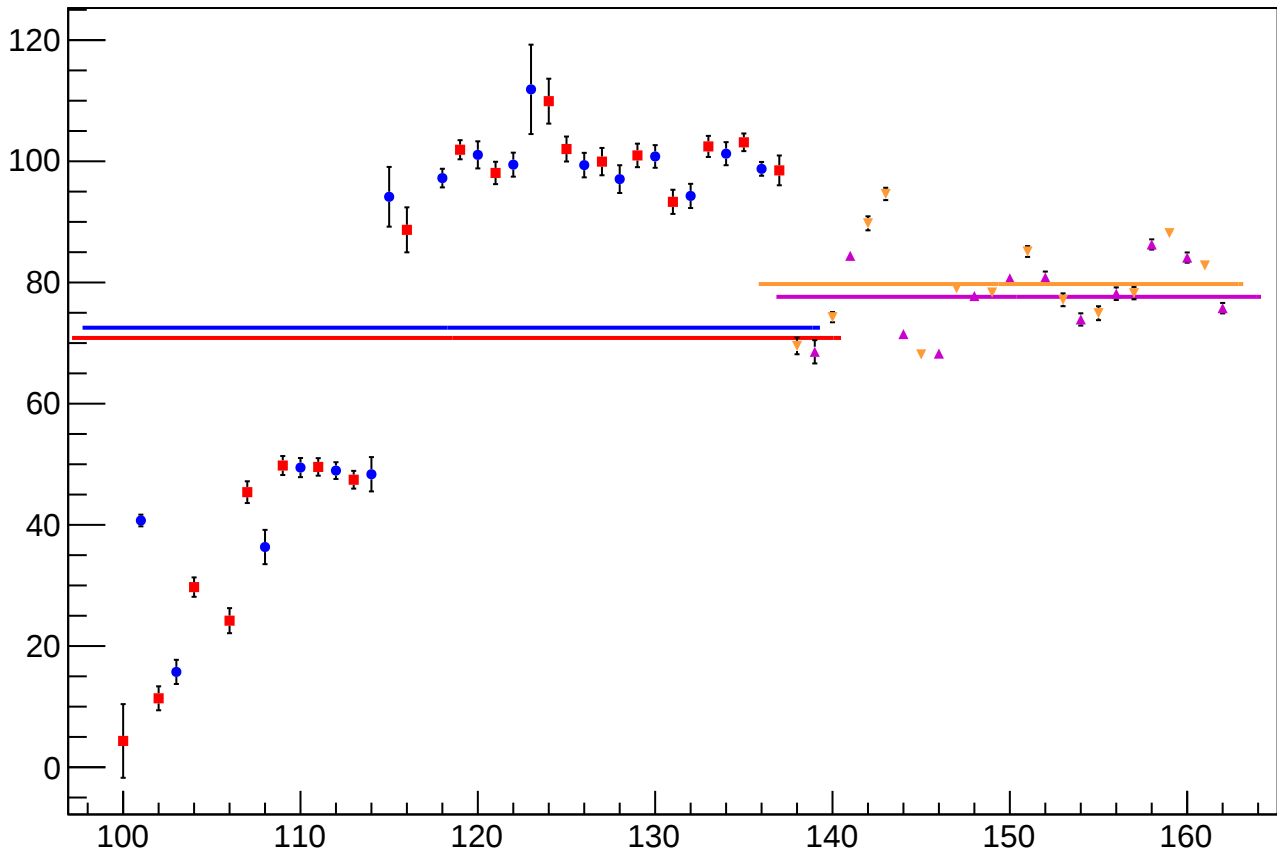
Left In: -45.189 ± 0.297 χ^2/NDF : 1077.2/11

+ sign -40.789 ± 0.276 χ^2/NDF : 2694.1/29

All: -40.632 ± 0.193 χ^2/NDF : 5684.1/60

- sign -40.481 ± 0.269 χ^2/NDF : 2989.4/30

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537 $\pm$ 0.428 χ^2 /NDF: 4684.1/16

Left Out: 79.743 $\pm$ 0.252 χ^2 /NDF: 814.6/12

Right Out: 70.849 $\pm$ 0.433 χ^2 /NDF: 5500.2/18

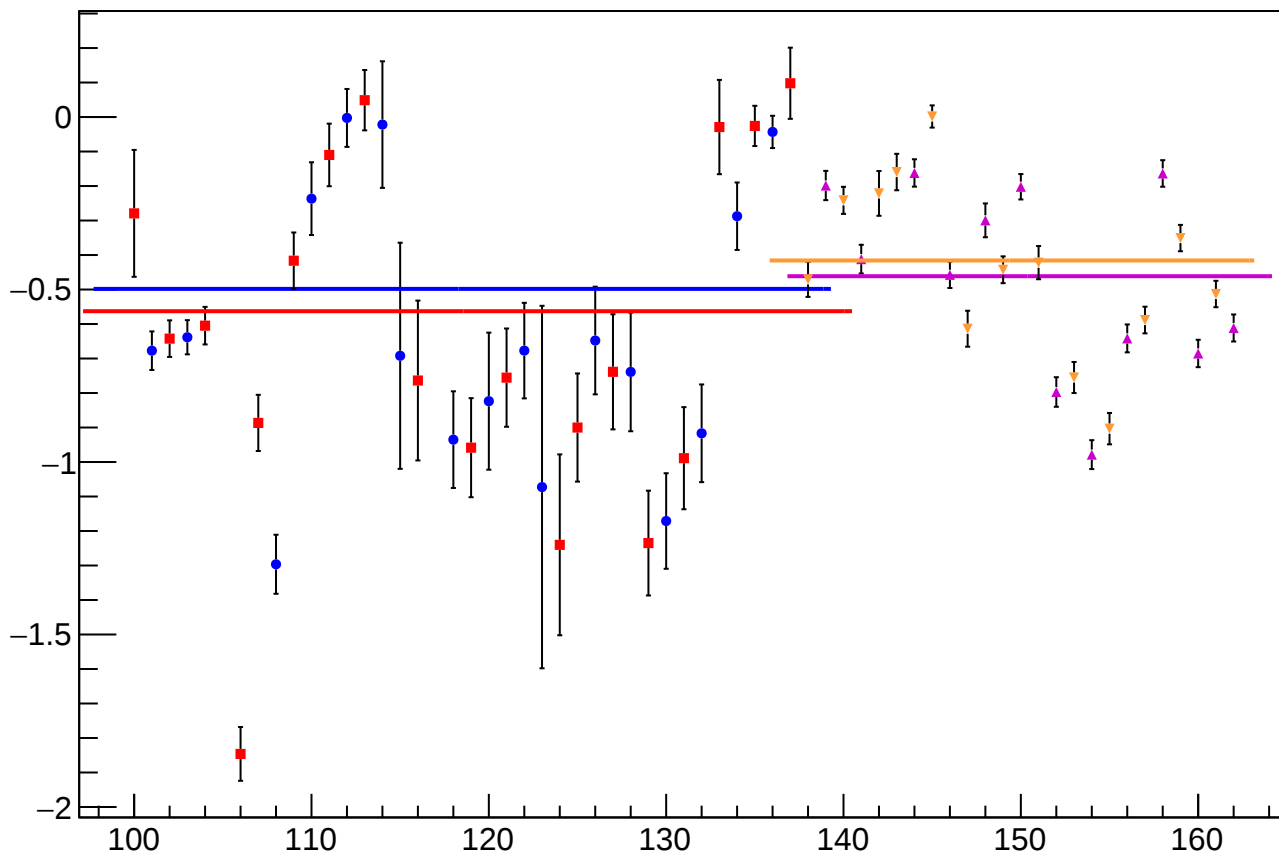
Left In: 77.633 $\pm$ 0.249 χ^2 /NDF: 562.2/11

+ sign 77.893 $\pm$ 0.217 χ^2 /NDF: 5709.1/29

All: 76.916 $\pm$ 0.153 χ^2 /NDF: 11996.2/60

- sign 75.950 $\pm$ 0.216 χ^2 /NDF: 6246.8/30

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498±/0.022 χ^2/NDF : 302.8/16

Left Out: -0.416±/0.012 χ^2/NDF : 437.7/12

Right Out: -0.563±/0.021 χ^2/NDF : 560.8/18

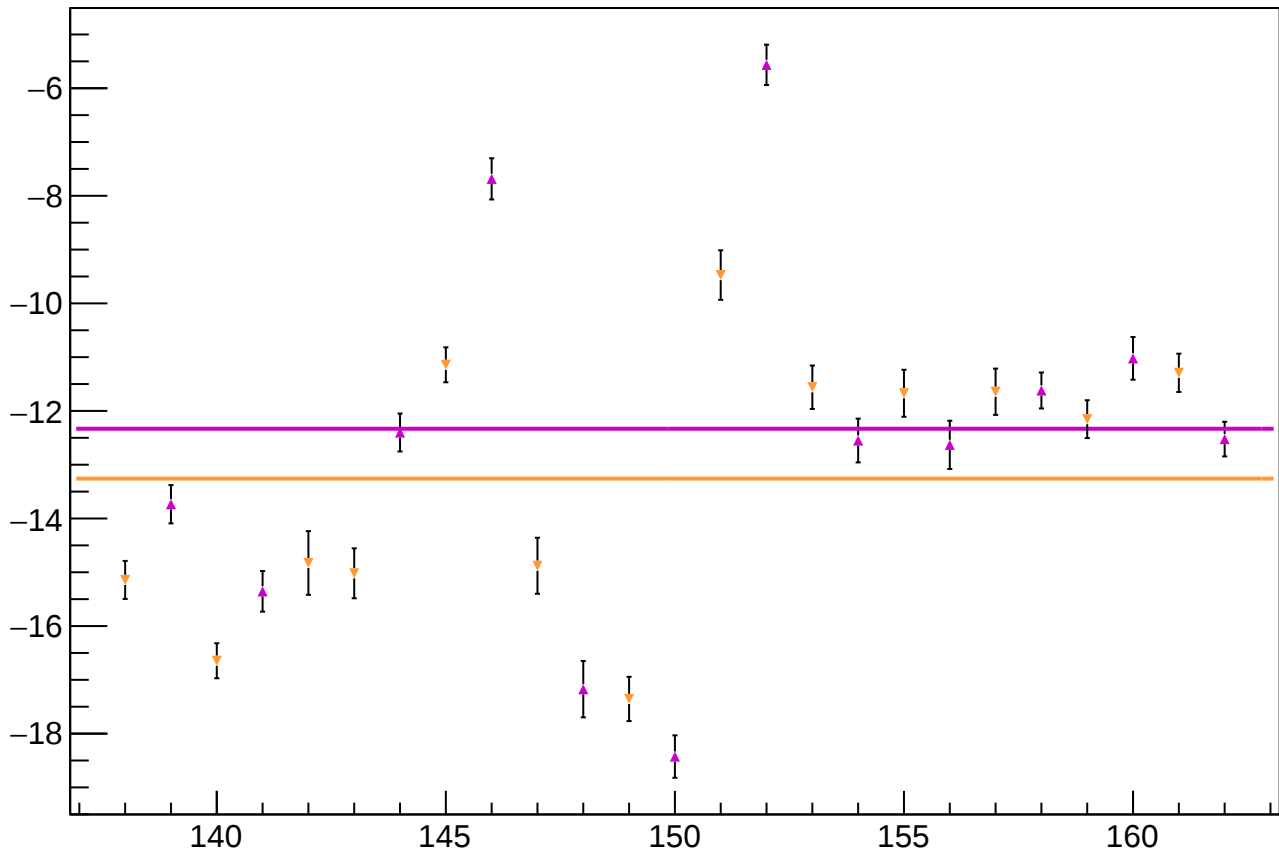
Left In: -0.461±/0.012 χ^2/NDF : 497.1/11

+ sign -0.434±/0.010 χ^2/NDF : 751.0/29

All: -0.460±/0.007 χ^2/NDF : 1838.0/60

- sign -0.485±/0.010 χ^2/NDF : 1075.1/30

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: -13.258+/-0.111 χ^2/NDF : 462.2/12

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

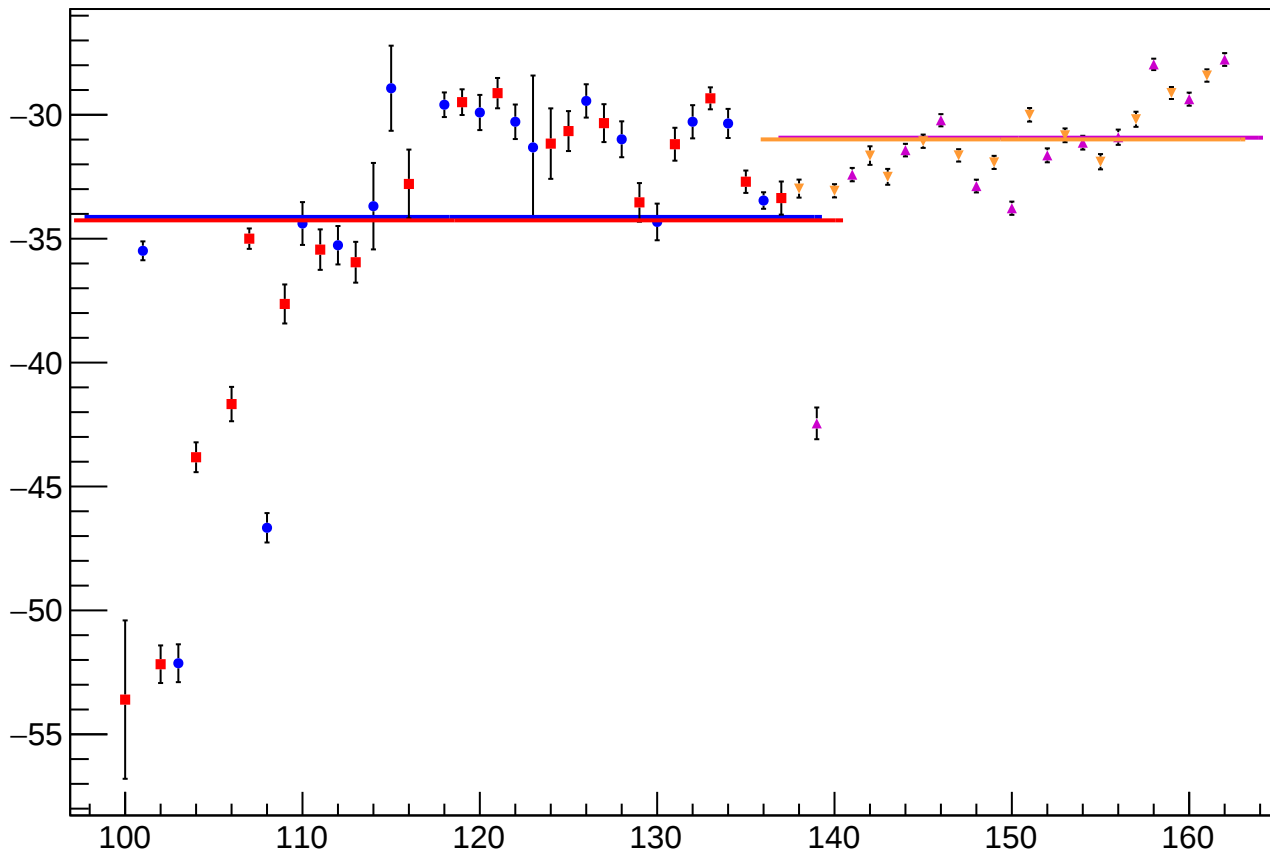
Left In: -12.331+/-0.110 χ^2/NDF : 892.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -12.791+/-0.078 χ^2/NDF : 1389.5/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -30.993 ± 0.078 χ^2/NDF : 329.3/12

Right Out: -34.260 ± 0.151 χ^2/NDF : 1354.9/18

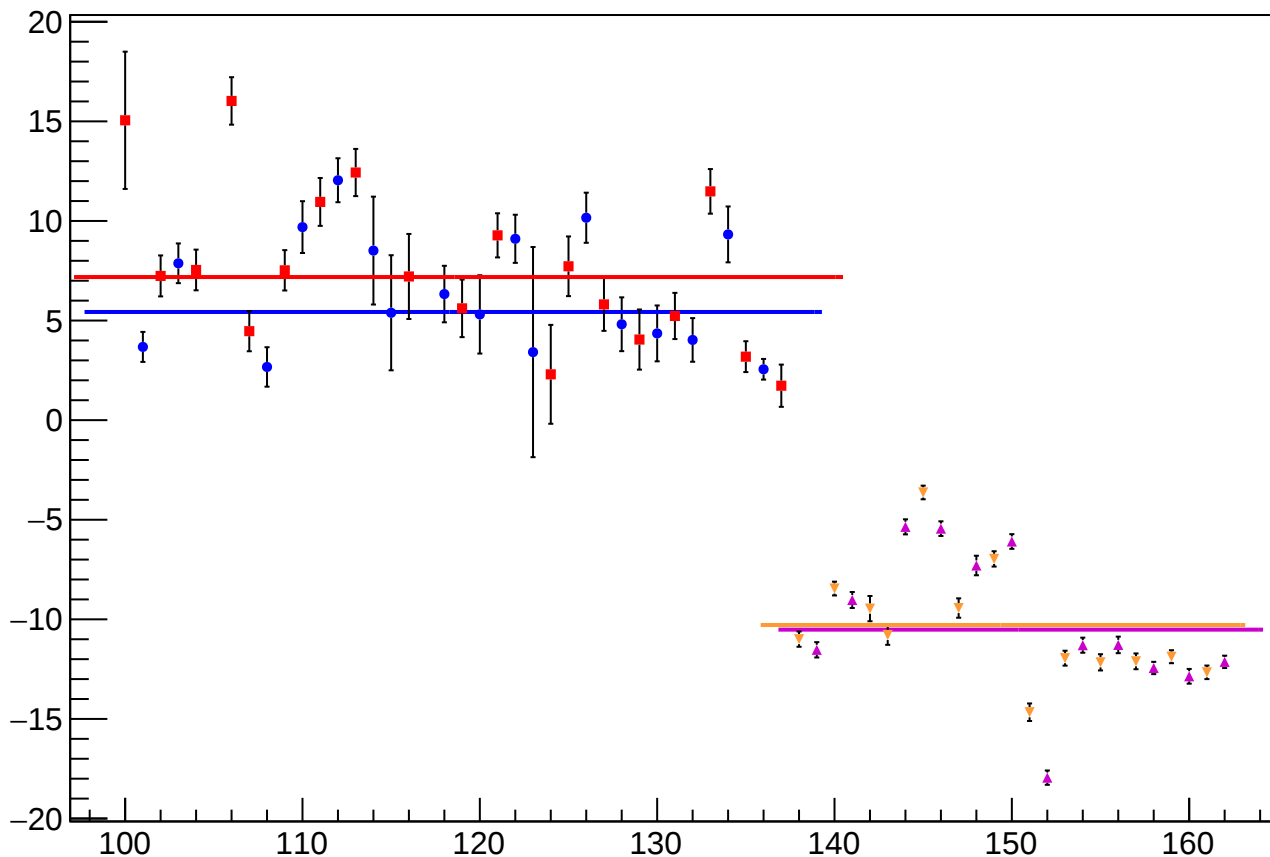
Left In: -30.924 ± 0.079 χ^2/NDF : 893.1/11

+ sign -31.651 ± 0.070 χ^2/NDF : 1987.1/29

All: -31.645 ± 0.049 χ^2/NDF : 4619.6/60

- sign -31.638 ± 0.070 χ^2/NDF : 2632.5/30

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -10.284 ± 0.109 $\chi^2/\text{NDF}: 721.2/12$

Right Out: 7.185 ± 0.274 $\chi^2/\text{NDF}: 182.1/18$

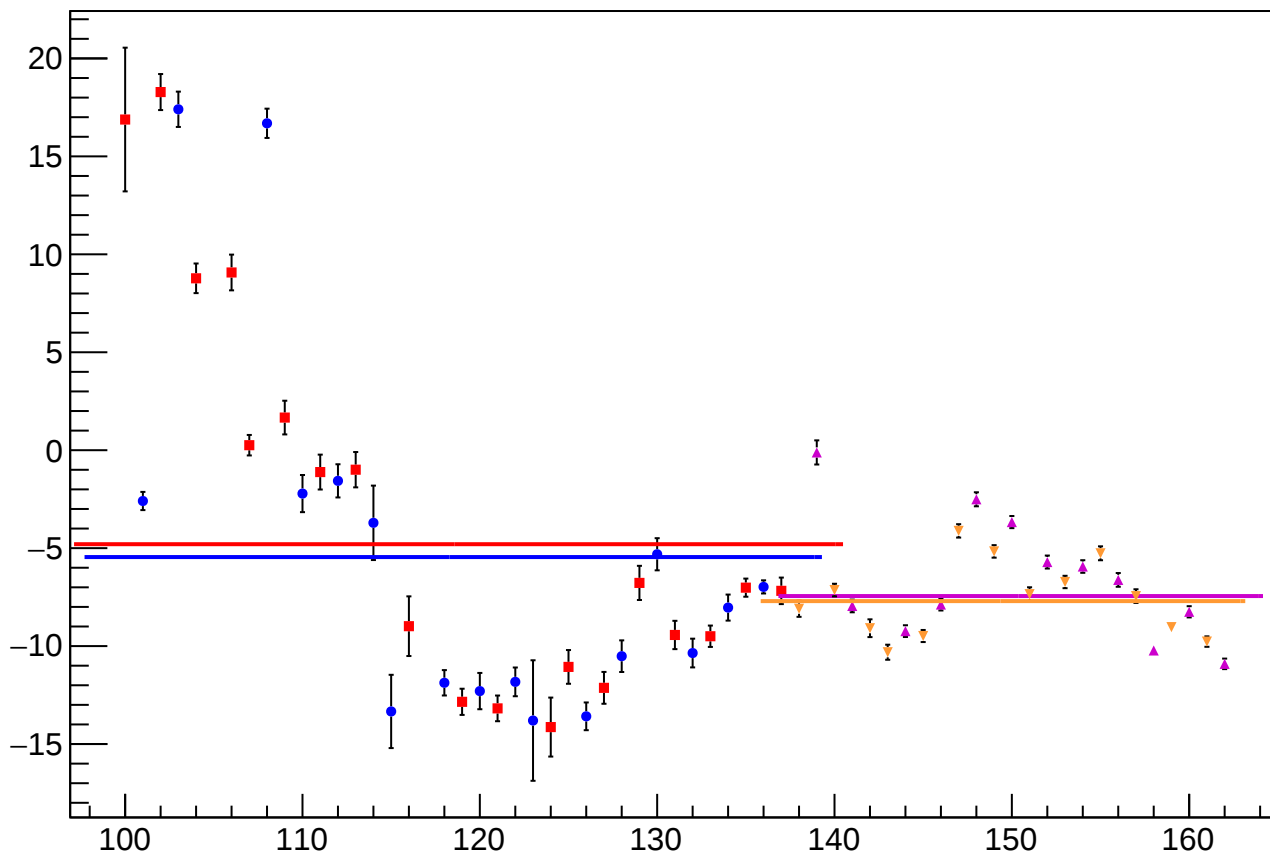
Left In: -10.518 ± 0.107 $\chi^2/\text{NDF}: 1125.4/11$

+ sign -8.081 ± 0.101 $\chi^2/\text{NDF}: 3757.4/29$

All: -8.135 ± 0.071 $\chi^2/\text{NDF}: 8678.4/60$

- sign -8.187 ± 0.100 $\chi^2/\text{NDF}: 4920.5/30$

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: -7.704 ± 0.091 χ^2/NDF : 411.1/12

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

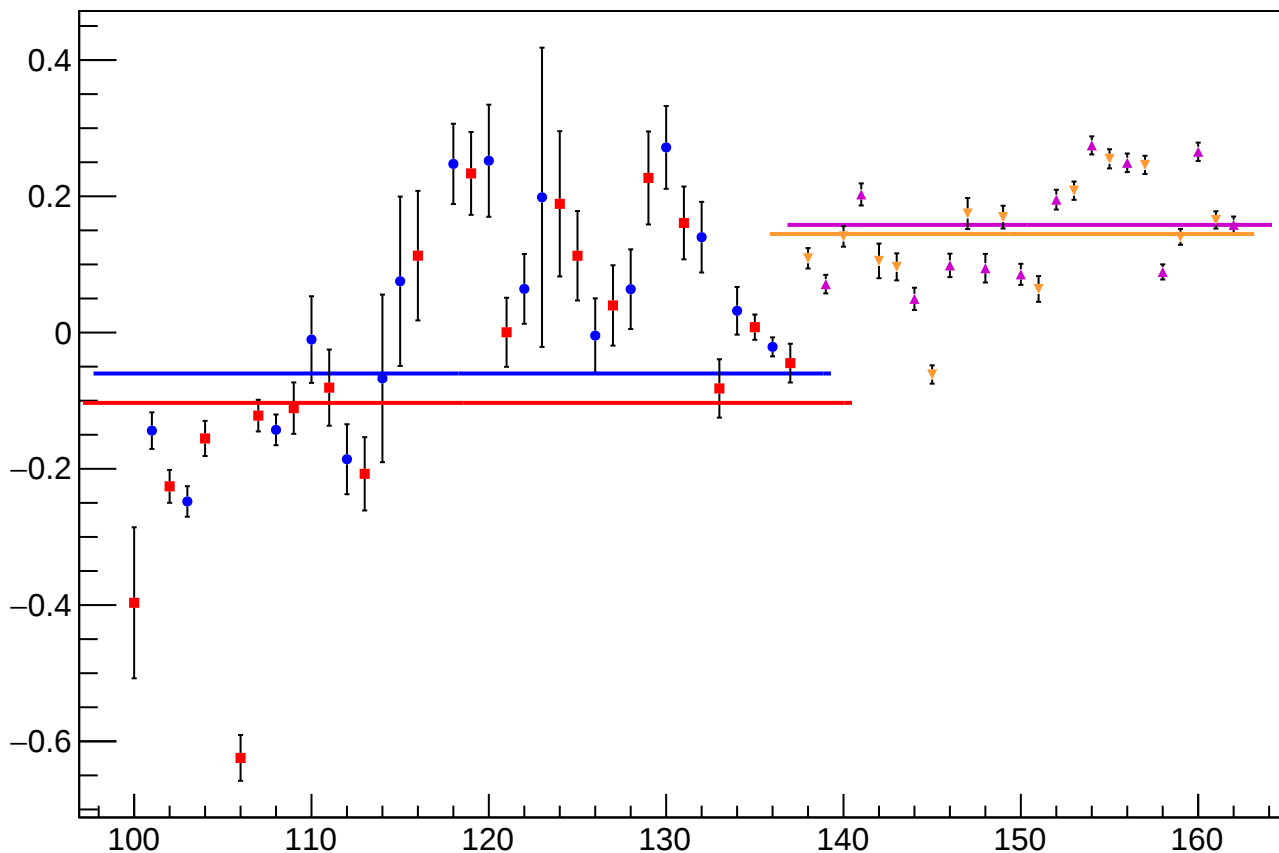
Left In: -7.446 ± 0.090 χ^2/NDF : 880.8/11

+ sign -7.203 ± 0.081 χ^2/NDF : 2642.4/29

All: -7.039 ± 0.057 χ^2/NDF : 5762.9/60

- sign -6.877 ± 0.080 χ^2/NDF : 3112.3/30

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: 0.145 ± 0.004 χ^2/NDF : 415.7/12

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

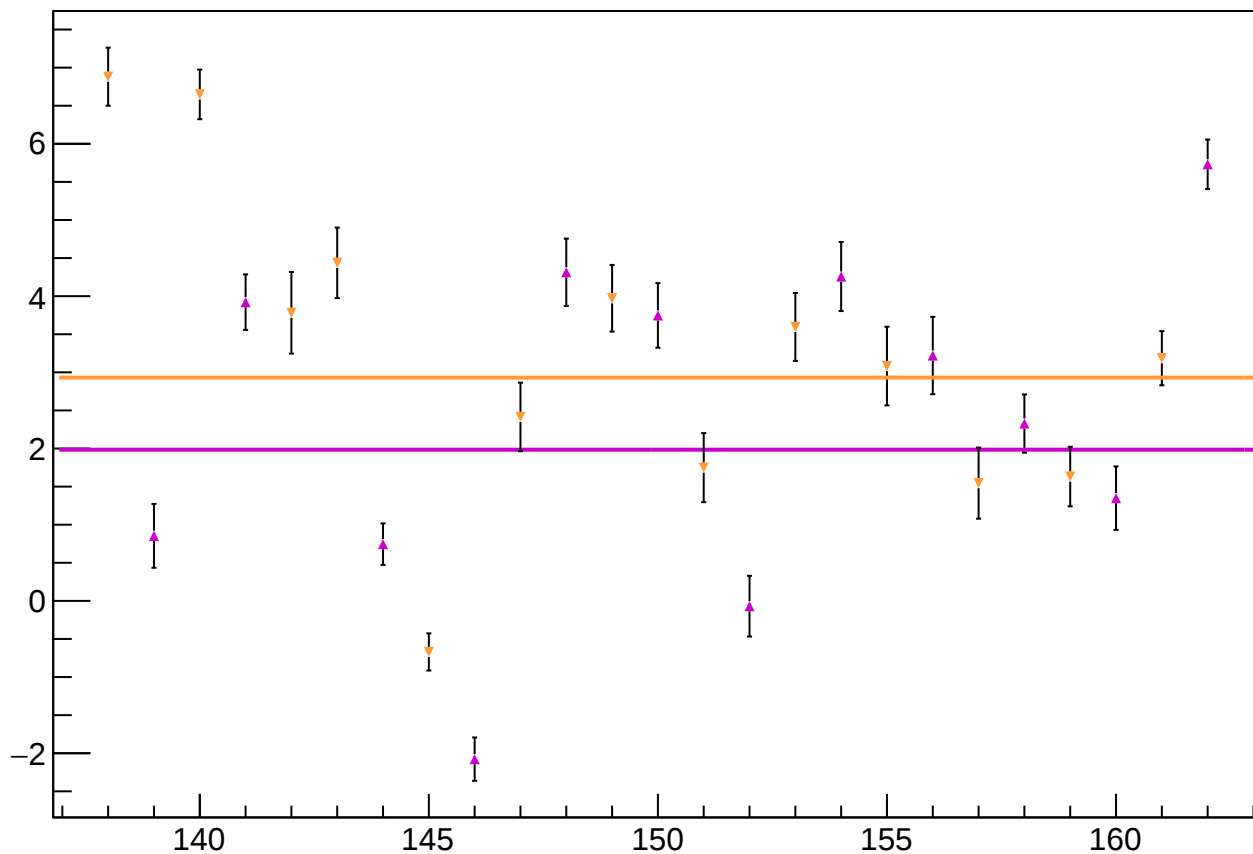
Left In: 0.158 ± 0.004 χ^2/NDF : 366.6/11

+ sign 0.104 ± 0.004 χ^2/NDF : 1105.9/29

All: 0.106 ± 0.003 χ^2/NDF : 2681.4/60

- sign 0.108 ± 0.004 χ^2/NDF : 1574.9/30

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: 2.931 $\pm$ 0.109 χ^2 /NDF:505.7/12

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

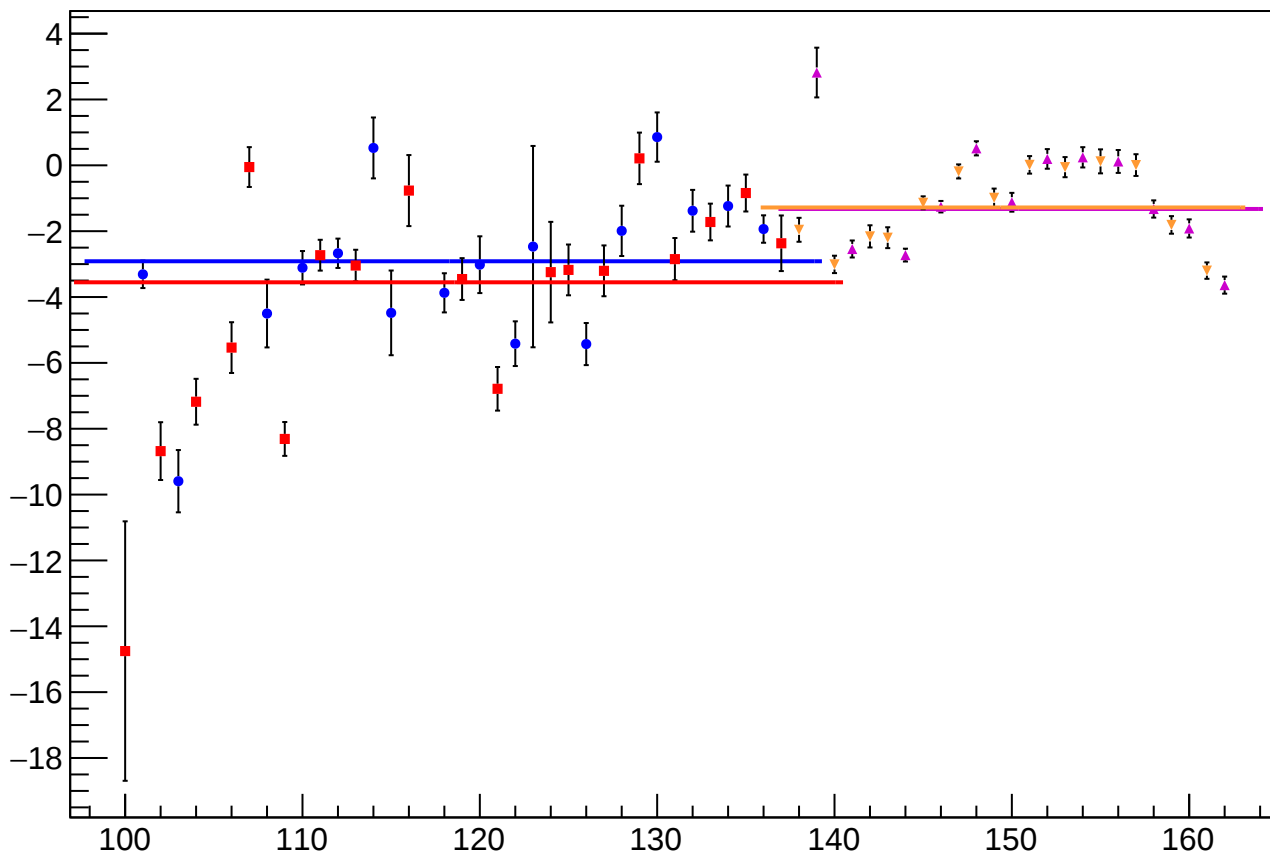
Left In: 1.985 $\pm$ 0.107 χ^2 /NDF:498.5/11

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

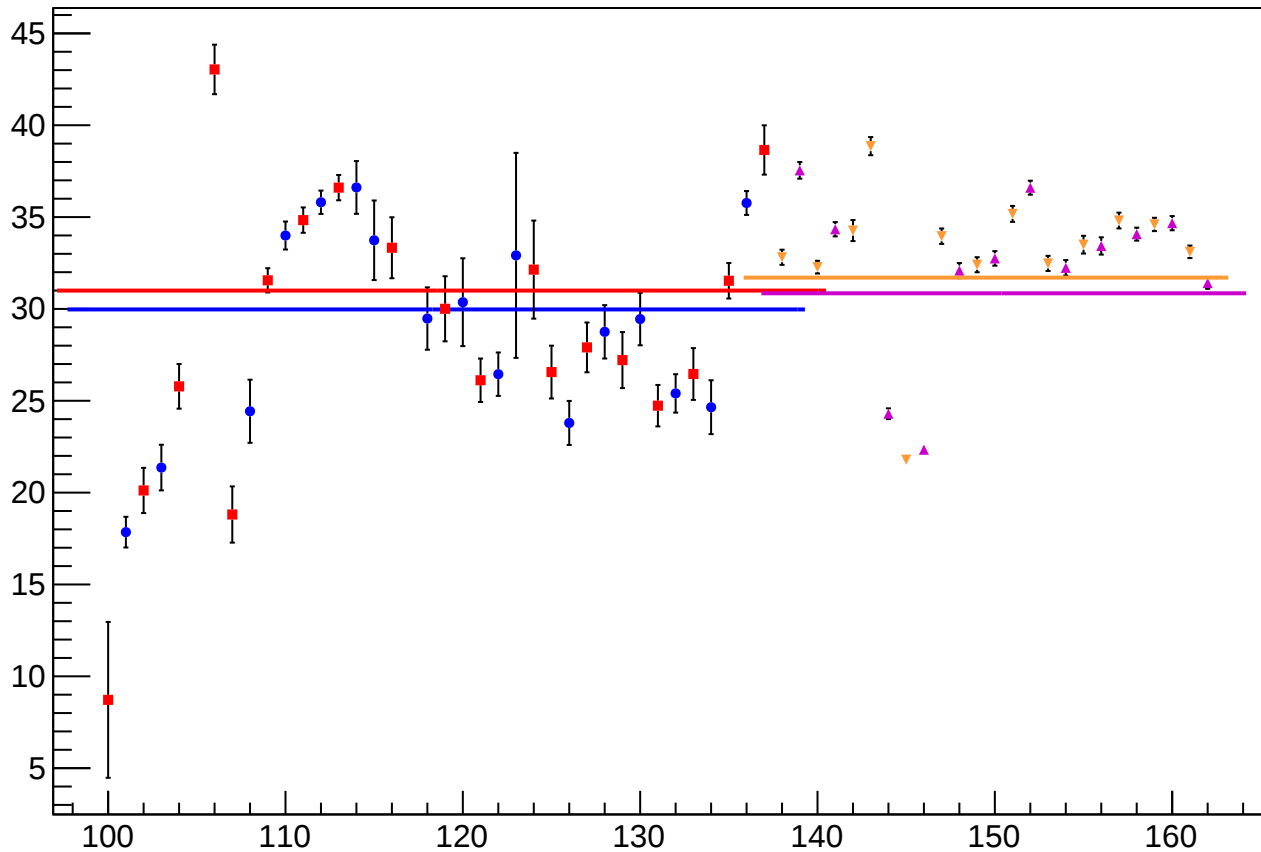
All: 2.451 $\pm$ 0.076 χ^2 /NDF: 1042.5/24

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

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 ± 0.267 χ^2/NDF : 554.3/16

Left Out: 31.705 ± 0.109 χ^2/NDF : 1942.2/12

Right Out: 30.999 ± 0.260 χ^2/NDF : 479.5/18

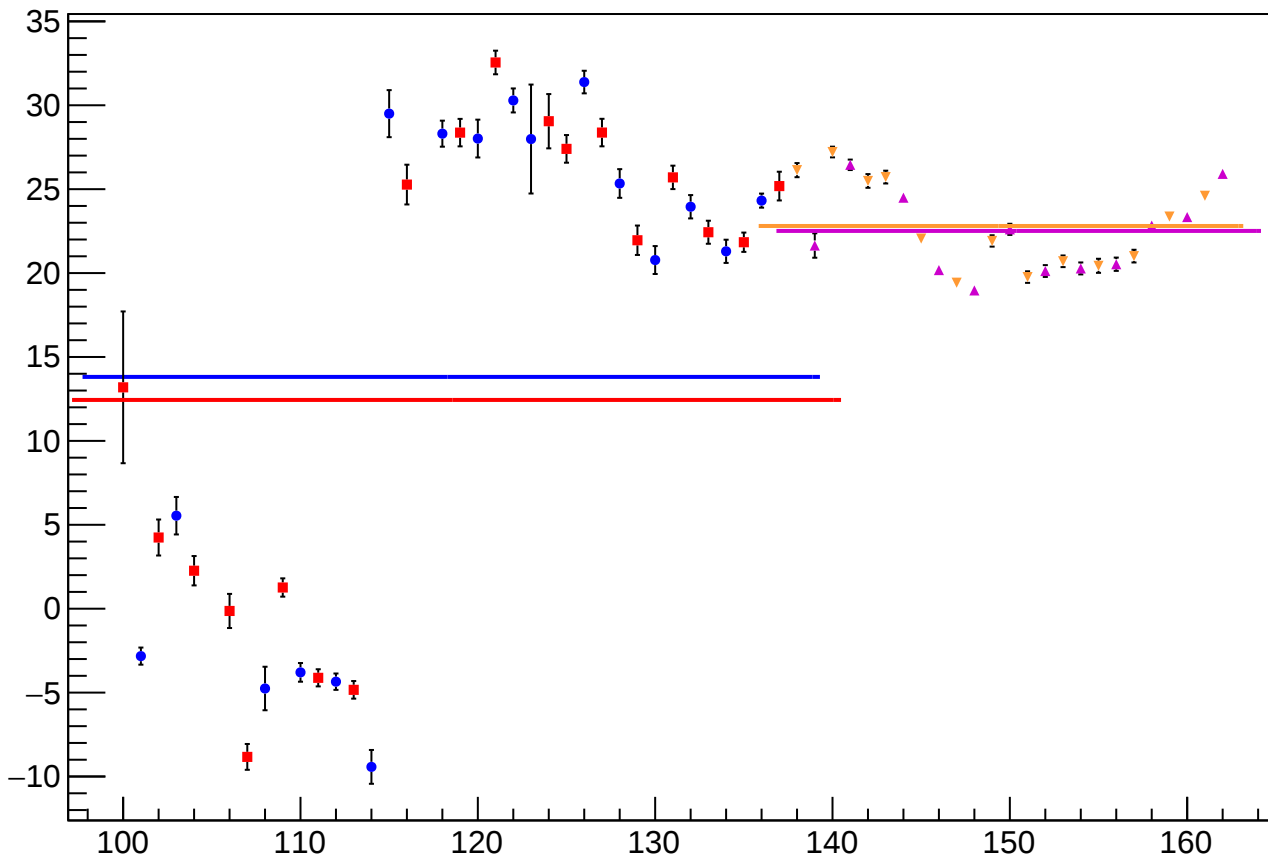
Left In: 30.851 ± 0.105 χ^2/NDF : 2258.0/11

+ sign 31.460 ± 0.101 χ^2/NDF : 2532.6/29

All: 31.156 ± 0.070 χ^2/NDF : 5288.0/60

- sign 30.872 ± 0.097 χ^2/NDF : 2737.7/30

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813+/-0.173 χ^2 /NDF: 7318.6/16

Left Out: 22.807+/-0.090 χ^2 /NDF: 722.6/12

Right Out: 12.440+/-0.174 χ^2 /NDF: 6970.3/18

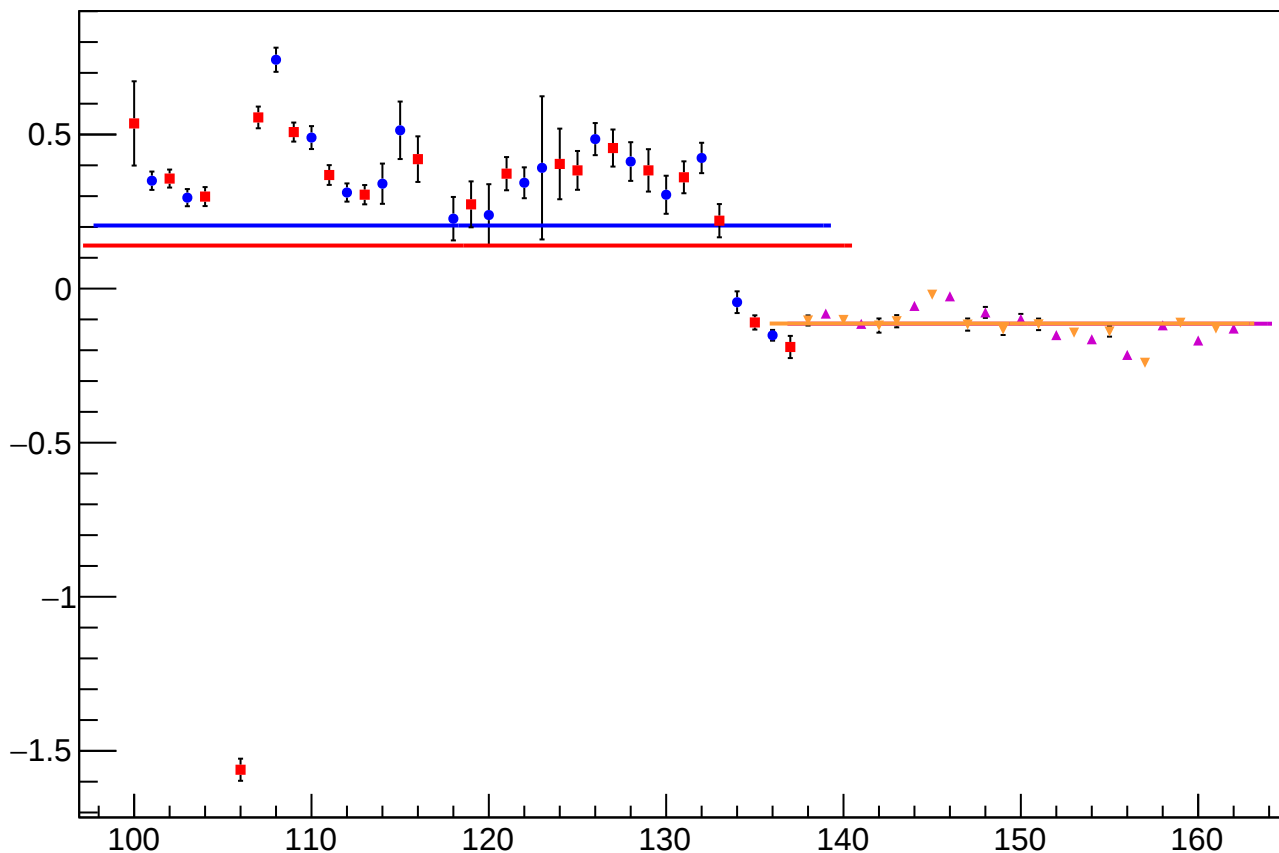
Left In: 22.512+/-0.087 χ^2 /NDF: 764.0/11

+ sign 20.893+/-0.080 χ^2 /NDF: 10177.0/29

All: 20.687+/-0.056 χ^2 /NDF: 20610.7/60

- sign 20.490+/-0.078 χ^2 /NDF: 10420.7/30

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: -0.113 ± 0.004 χ^2/NDF : 172.2/12

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

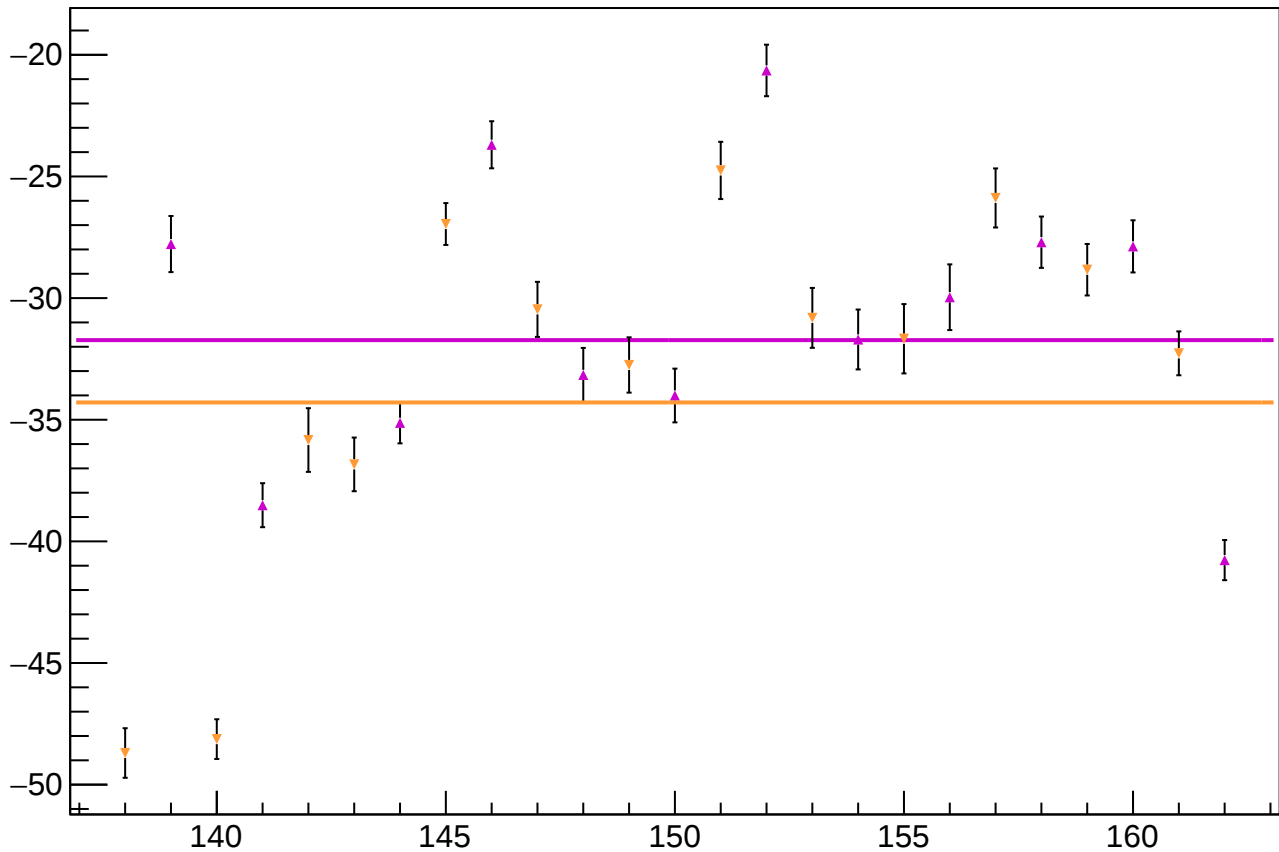
Left In: -0.114 ± 0.004 χ^2/NDF : 156.3/11

+ sign -0.060 ± 0.004 χ^2/NDF : 1974.4/29

All: -0.065 ± 0.003 χ^2/NDF : 5779.8/60

- sign -0.071 ± 0.004 χ^2/NDF : 3800.8/30

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.290 $\pm$ 0.296 χ^2 /NDF: 736.4/12

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

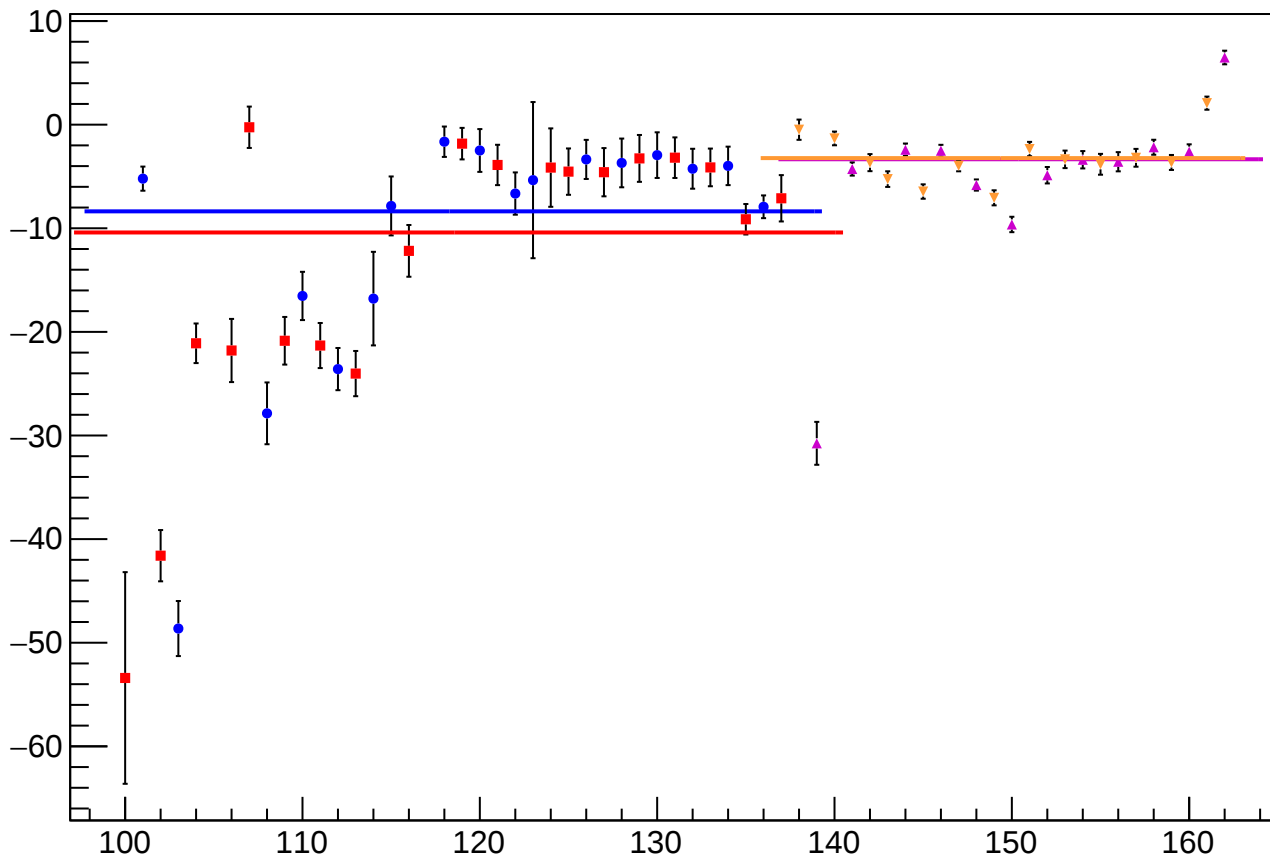
Left In: -31.728 $\pm$ 0.296 χ^2 /NDF: 418.0/11

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

All: -33.011 $\pm$ 0.209 χ^2 /NDF: 1191.9/24

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

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -3.228 ± 0.203 χ^2/NDF : 147.1/12

Right Out: -10.405 ± 0.491 χ^2/NDF : 430.3/18

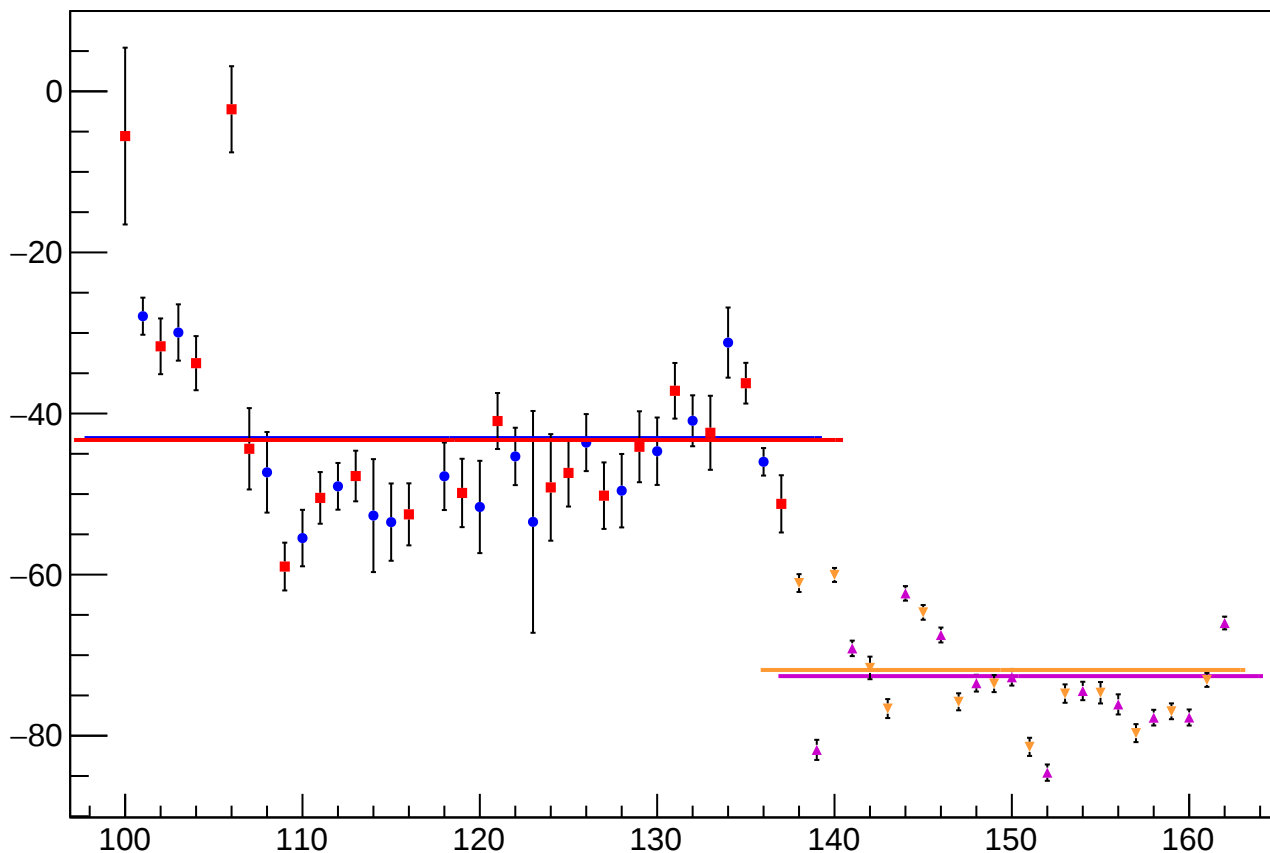
Left In: -3.339 ± 0.203 χ^2/NDF : 504.3/11

+ sign -4.049 ± 0.186 χ^2/NDF : 658.0/29

All: -4.210 ± 0.132 χ^2/NDF : 1770.9/60

- sign -4.375 ± 0.188 χ^2/NDF : 1111.4/30

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 χ^2/NDF : 99.0/16

Left Out: -71.836 ± 0.293 χ^2/NDF : 535.4/12

Right Out: -43.282 ± 0.867 χ^2/NDF : 154.4/18

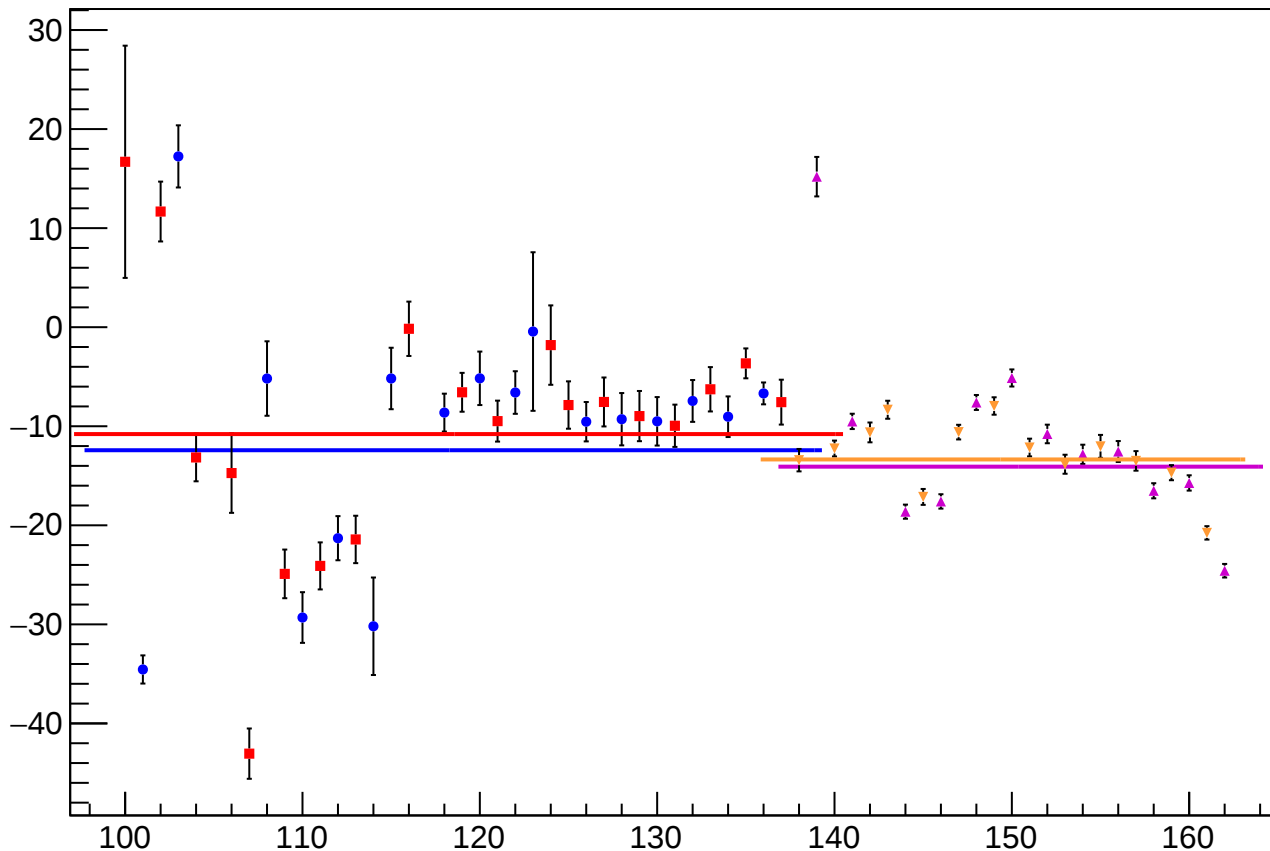
Left In: -72.602 ± 0.289 χ^2/NDF : 500.9/11

+ sign -68.696 ± 0.277 χ^2/NDF : 1687.7/29

All: -69.190 ± 0.195 χ^2/NDF : 3378.4/60

- sign -69.676 ± 0.274 χ^2/NDF : 1684.3/30

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: -13.351 ± 0.241 χ^2/NDF : 239.6/12

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

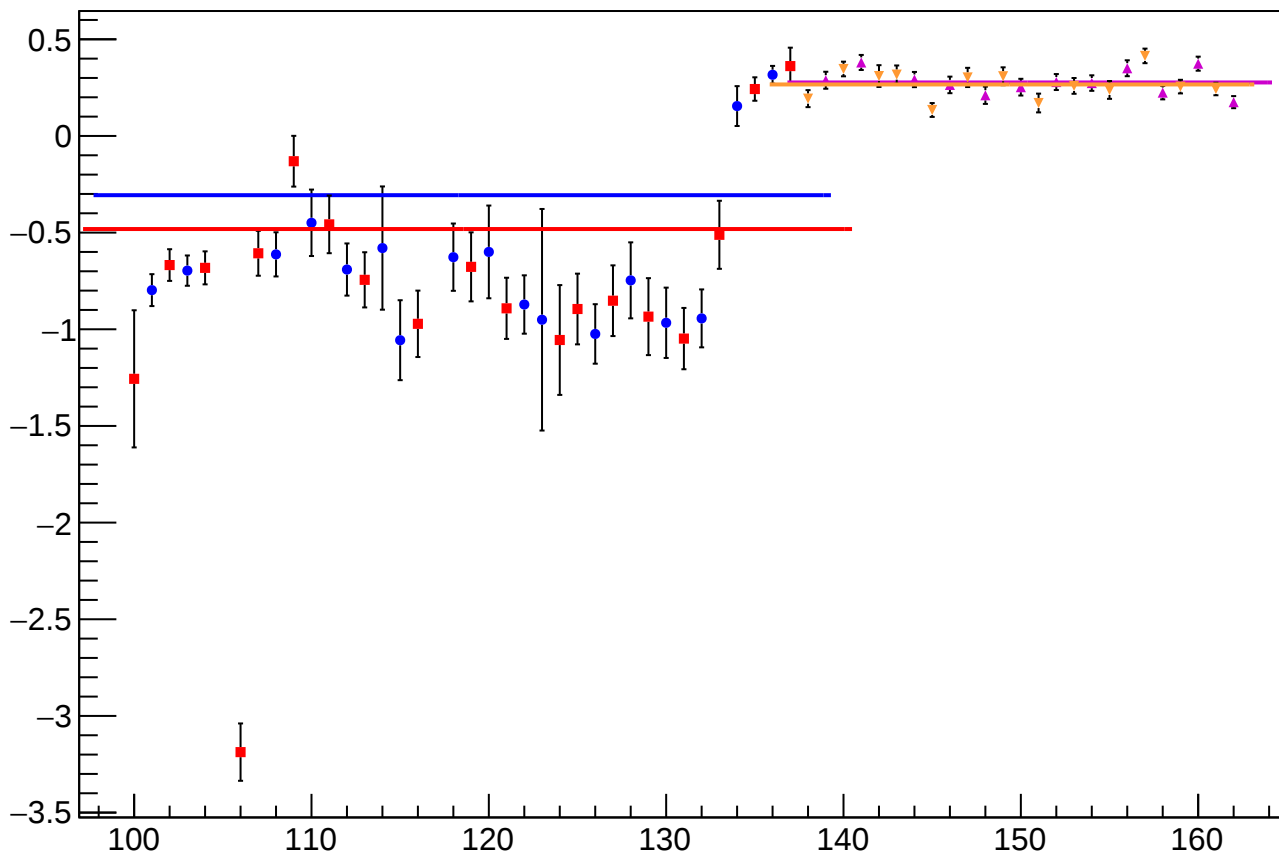
Left In: -14.080 ± 0.239 χ^2/NDF : 760.9/11

+ sign -13.188 ± 0.219 χ^2/NDF : 716.6/29

All: -13.375 ± 0.155 χ^2/NDF : 1874.5/60

- sign -13.563 ± 0.220 χ^2/NDF : 1156.4/30

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: 0.266 ± 0.011 χ^2/NDF : 44.2/12

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

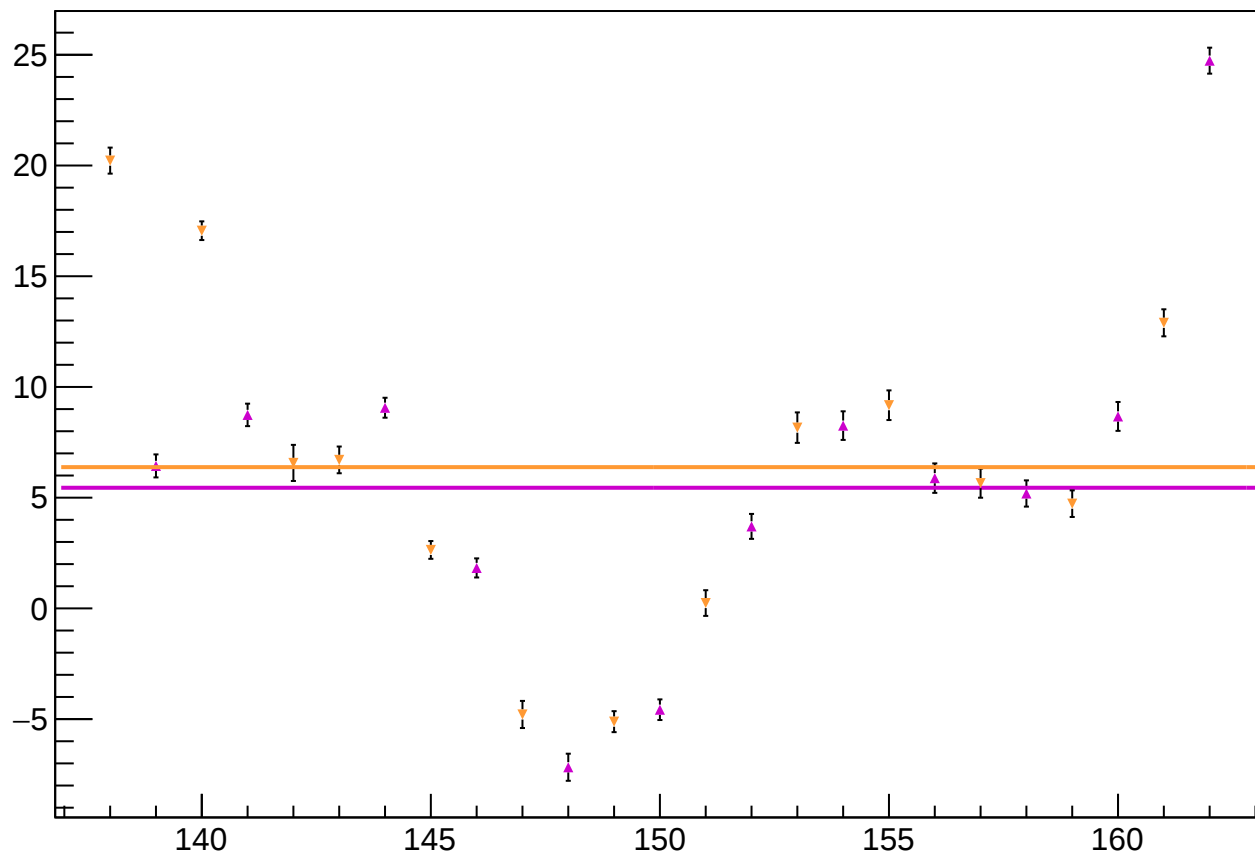
Left In: 0.277 ± 0.011 χ^2/NDF : 33.1/11

+ sign 0.182 ± 0.011 χ^2/NDF : 783.8/29

All: 0.178 ± 0.007 χ^2/NDF : 2053.0/60

- sign 0.174 ± 0.011 χ^2/NDF : 1268.9/30

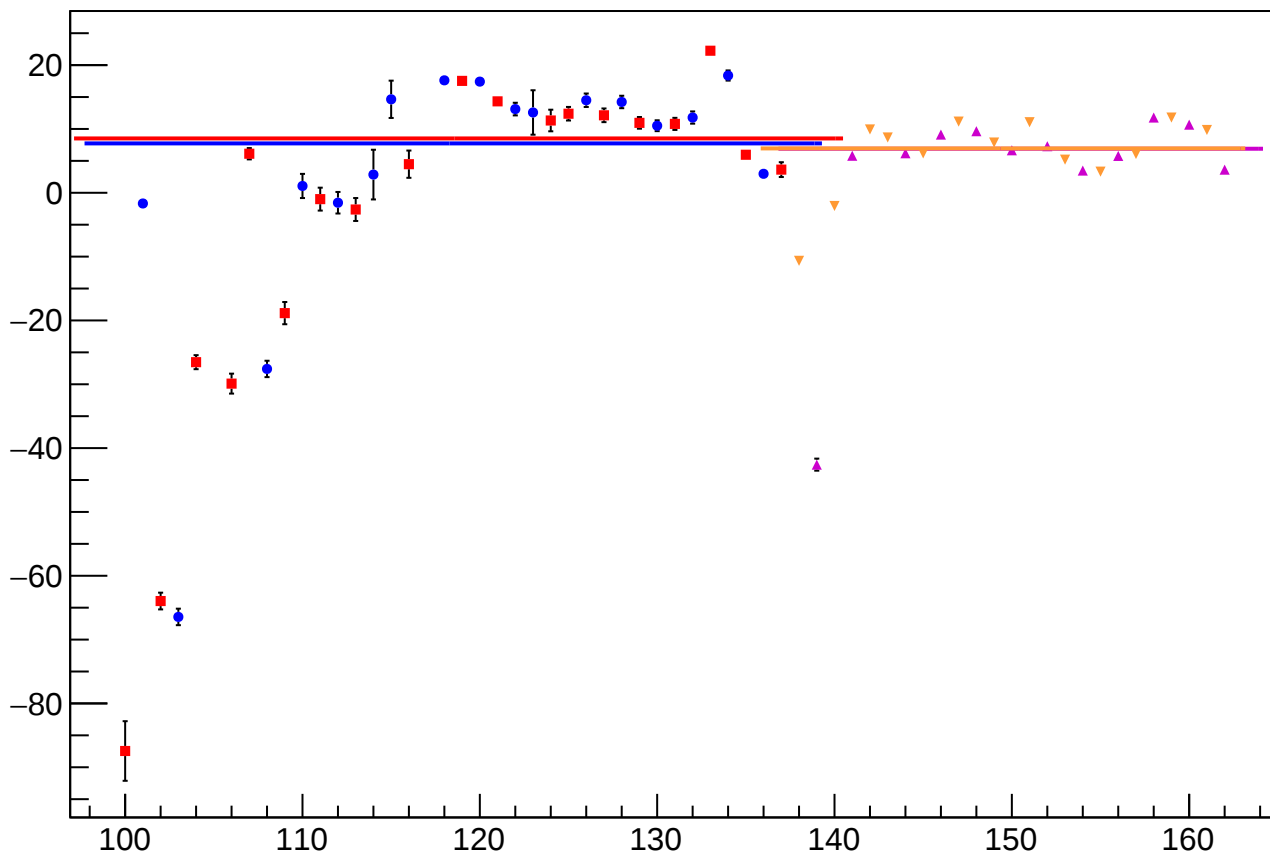
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.379+/-0.156 χ^2/NDF : 2461.9/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.448+/-0.156 χ^2/NDF : 2202.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 5.914+/-0.110 χ^2/NDF : 4682.6/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 6.951 ± 0.108 χ^2/NDF : 2207.7/12

Right Out: 8.514 ± 0.213 χ^2/NDF : 6719.4/18

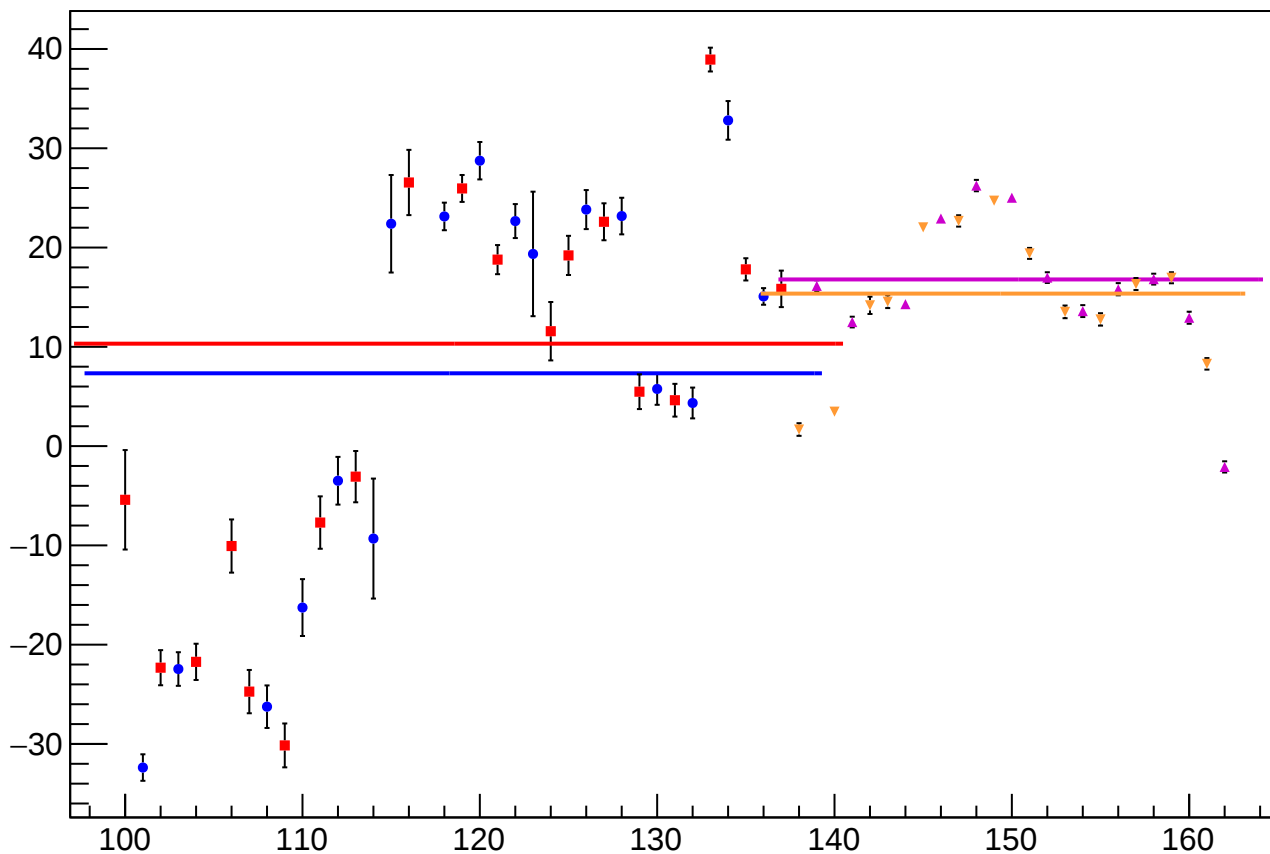
Left In: 6.900 ± 0.109 χ^2/NDF : 3240.6/11

+ sign 7.107 ± 0.097 χ^2/NDF : 7518.7/29

All: 7.171 ± 0.069 χ^2/NDF : 17525.0/60

- sign 7.236 ± 0.097 χ^2/NDF : 10005.4/30

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333 ± 0.419 $\chi^2/\text{NDF}: 2293.1/16$

Left Out: 15.360 ± 0.154 $\chi^2/\text{NDF}: 2259.2/12$

Right Out: 10.317 ± 0.417 $\chi^2/\text{NDF}: 2281.5/18$

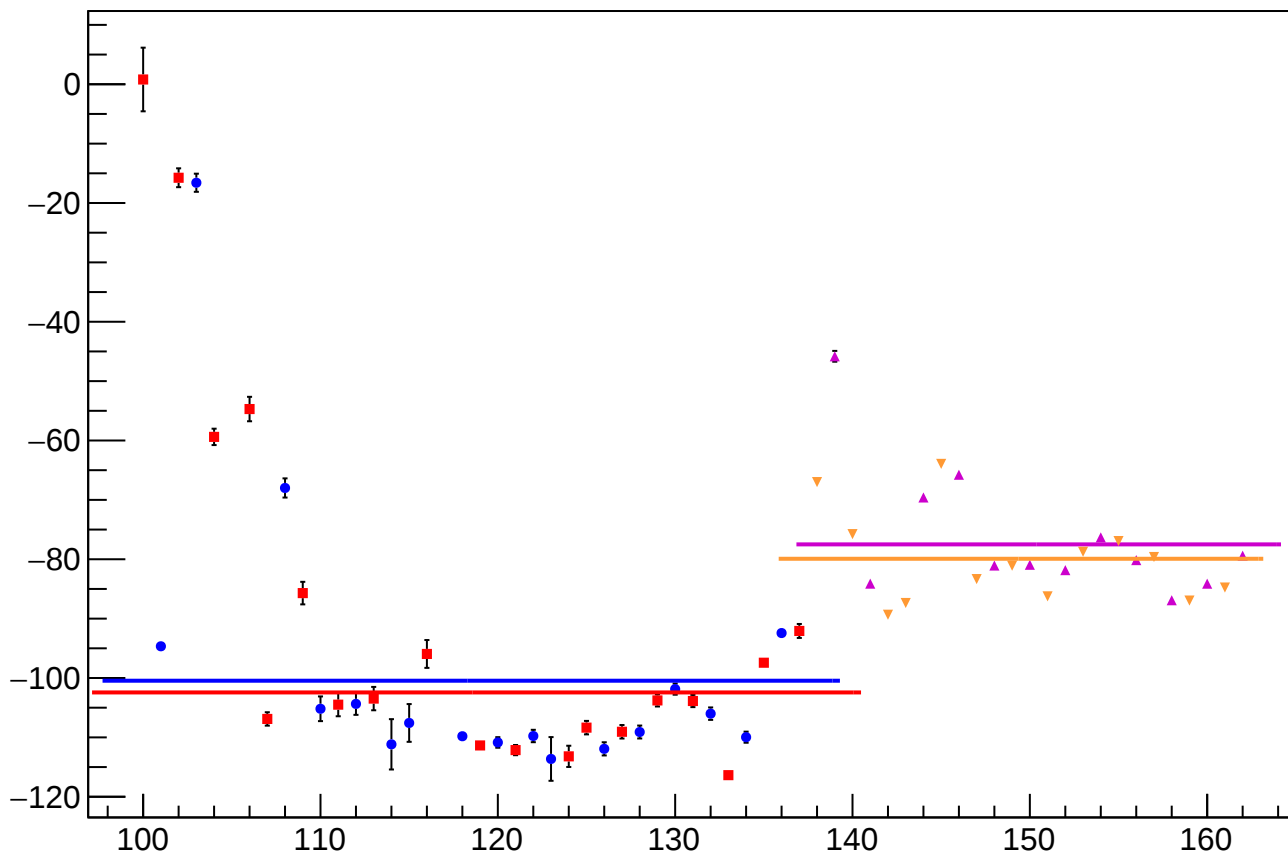
Left In: 16.787 ± 0.152 $\chi^2/\text{NDF}: 2127.3/11$

+ sign 14.400 ± 0.145 $\chi^2/\text{NDF}: 4876.1/29$

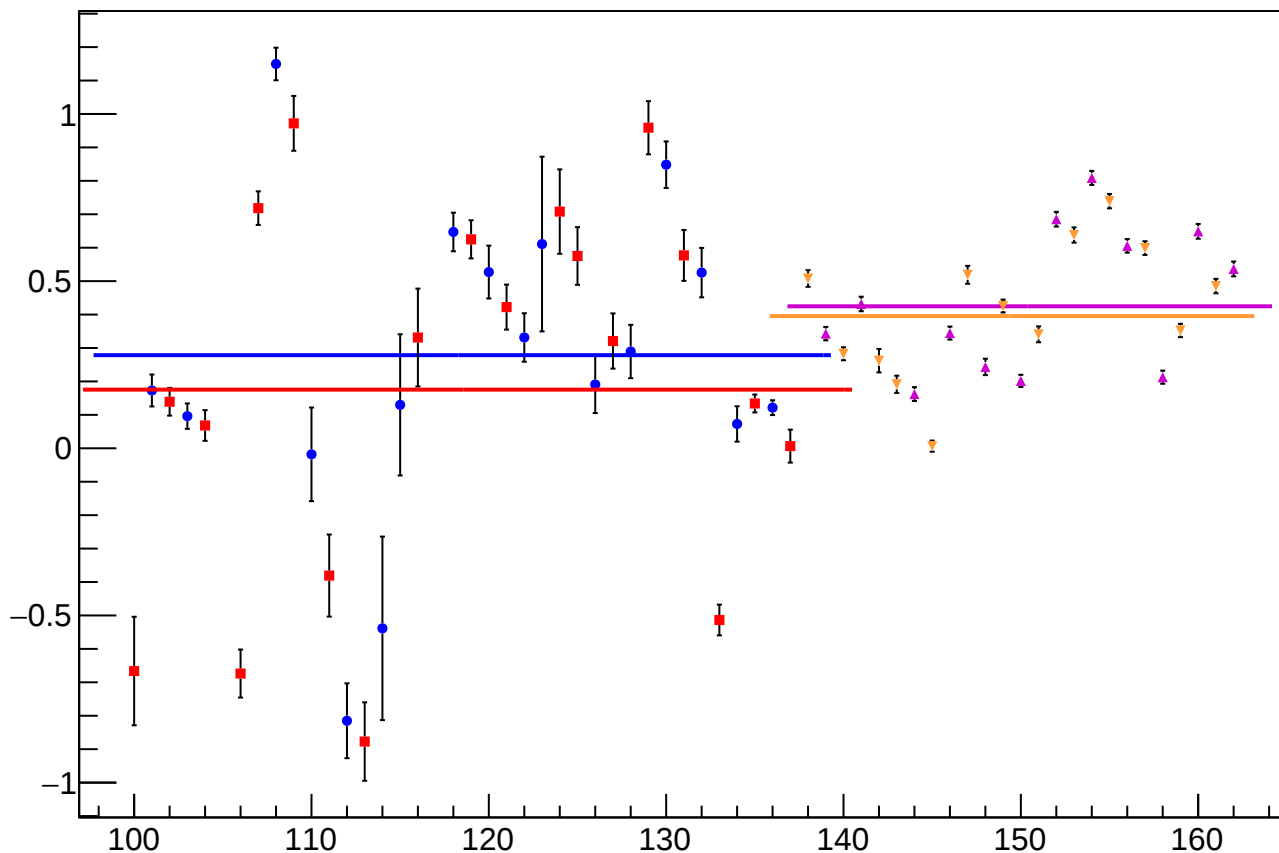
All: 15.221 ± 0.102 $\chi^2/\text{NDF}: 9561.1/60$

- sign 16.024 ± 0.143 $\chi^2/\text{NDF}: 4621.3/30$

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



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: 0.395 $\pm$ 0.006 χ^2 /NDF:1192.8/12

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

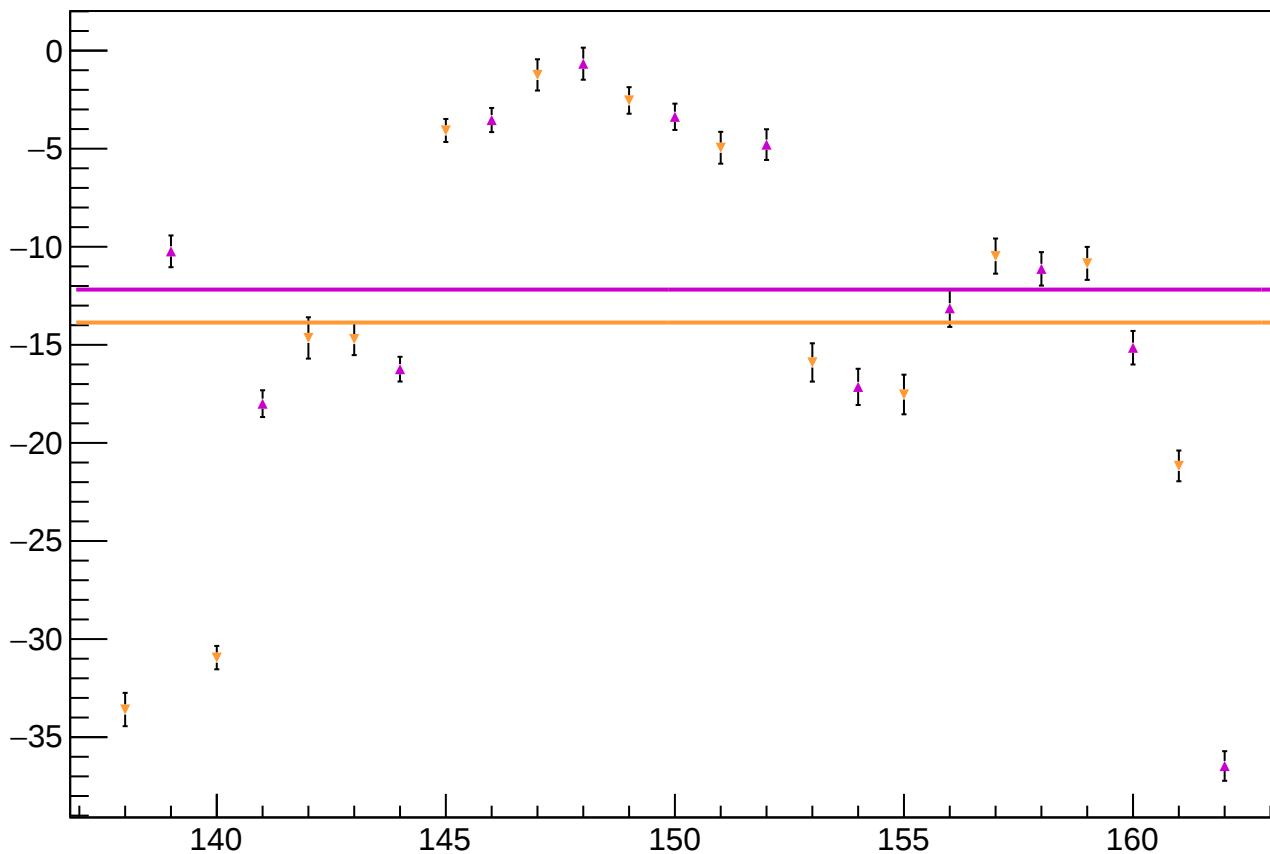
Left In: 0.425 $\pm$ 0.006 χ^2 /NDF:1196.4/11

+ sign 0.376 $\pm$ 0.006 χ^2 /NDF: 1908.9/29

All: 0.380 $\pm$ 0.004 χ^2 /NDF: 4359.1/60

- sign 0.383 $\pm$ 0.005 χ^2 /NDF: 2449.3/30

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -13.863+/-0.218 χ^2/NDF : 2423.5/12

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

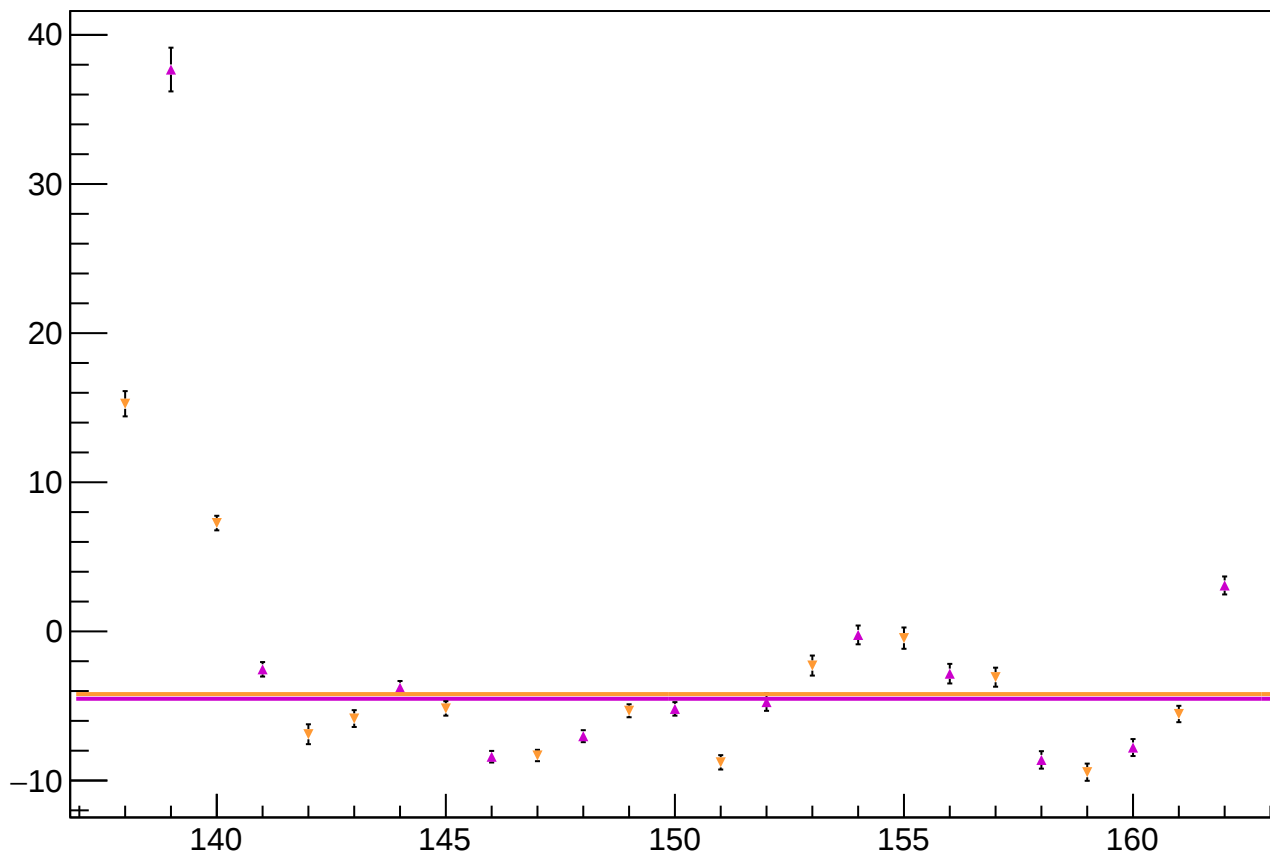
Left In: -12.184+/-0.218 χ^2/NDF : 1856.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -13.026+/-0.154 χ^2/NDF : 4309.2/24

- 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: -4.203+/-0.150 χ^2/NDF : 1448.5/12

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

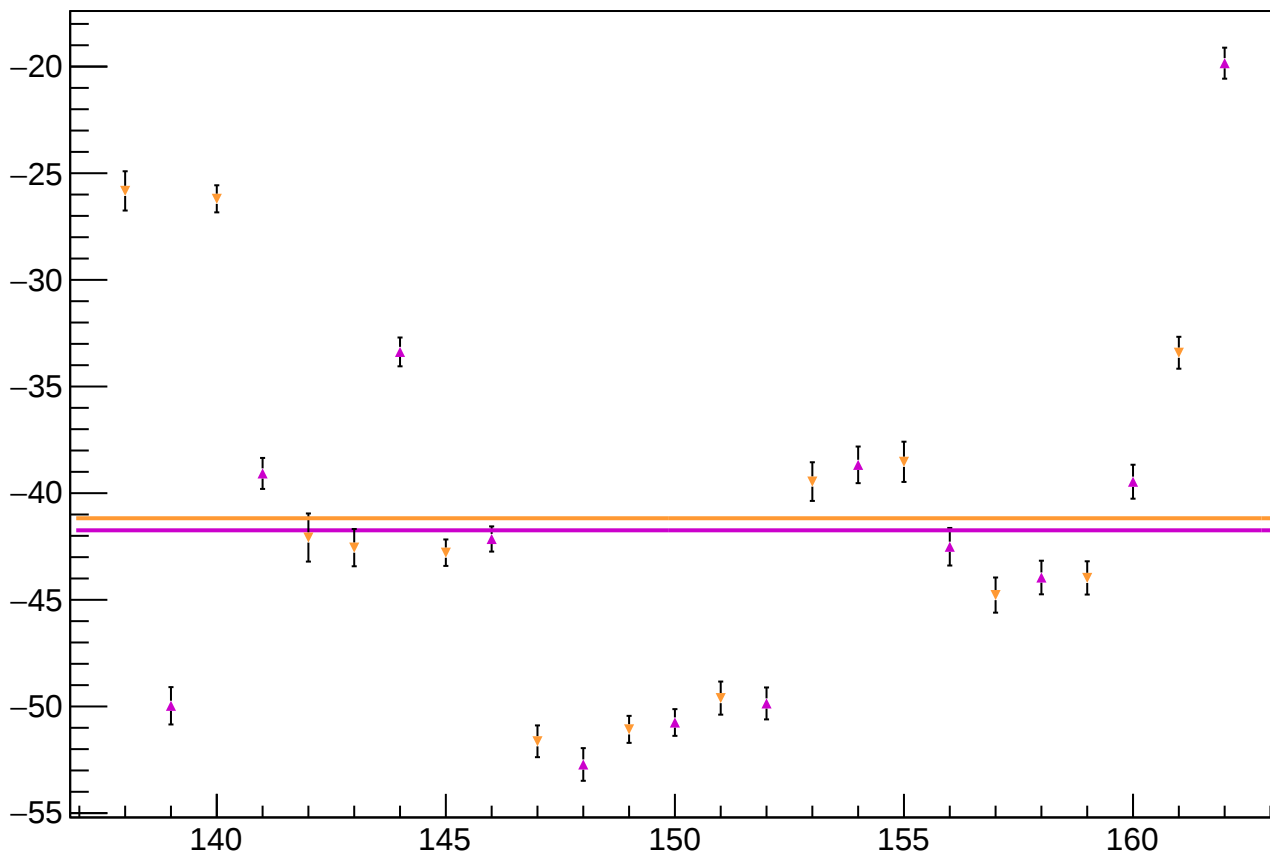
Left In: -4.518+/-0.151 χ^2/NDF : 1281.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -4.359+/-0.106 χ^2/NDF : 2732.0/24

- 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: -41.176+/-0.215 χ^2/NDF :1554.9/12

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

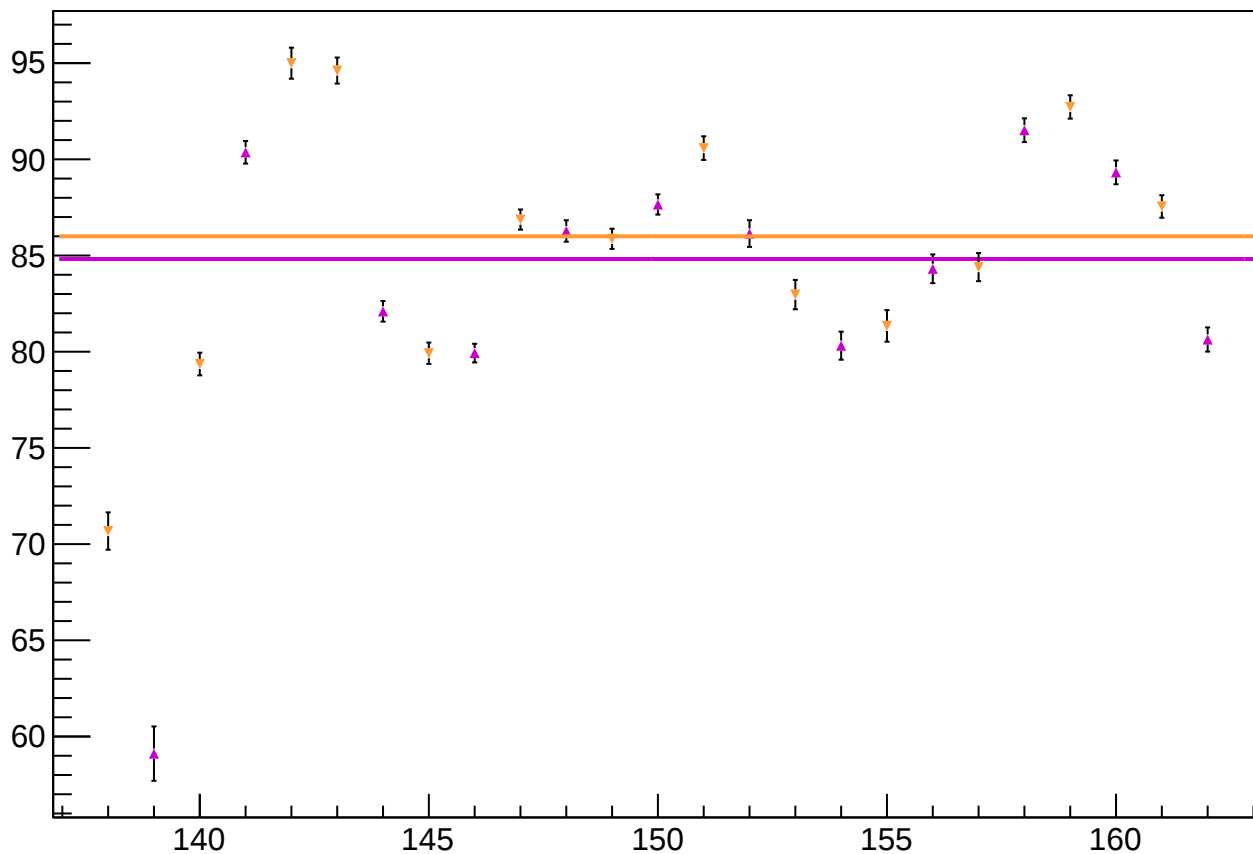
Left In: -41.741+/-0.213 χ^2/NDF :1722.4/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -41.461+/-0.151 χ^2/NDF : 3280.7/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 85.999+/-0.178 χ^2/NDF :1022.1/12

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

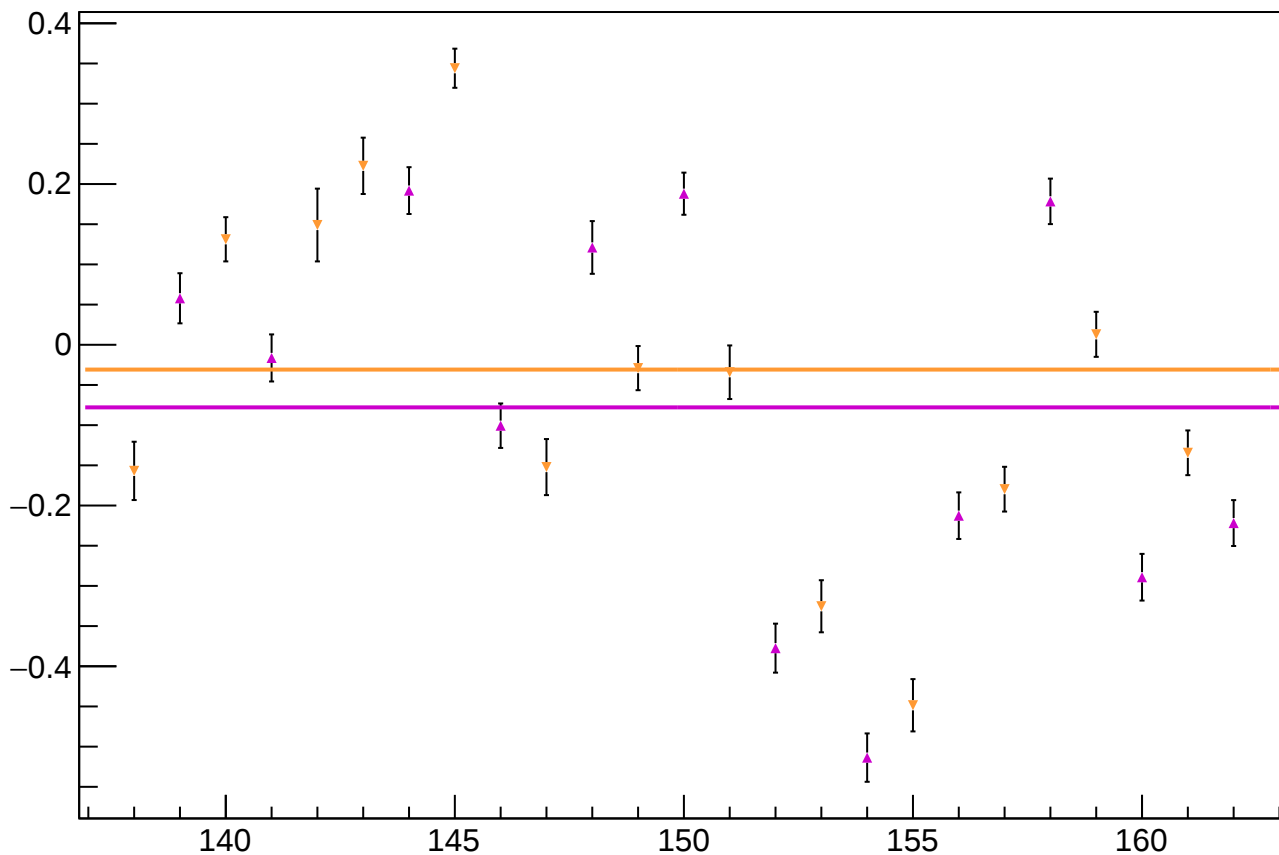
Left In: 84.820+/-0.178 χ^2/NDF :841.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 85.409+/-0.126 χ^2/NDF : 1885.7/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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

Left Out: -0.031+/-0.008 χ^2/NDF : 656.5/12

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

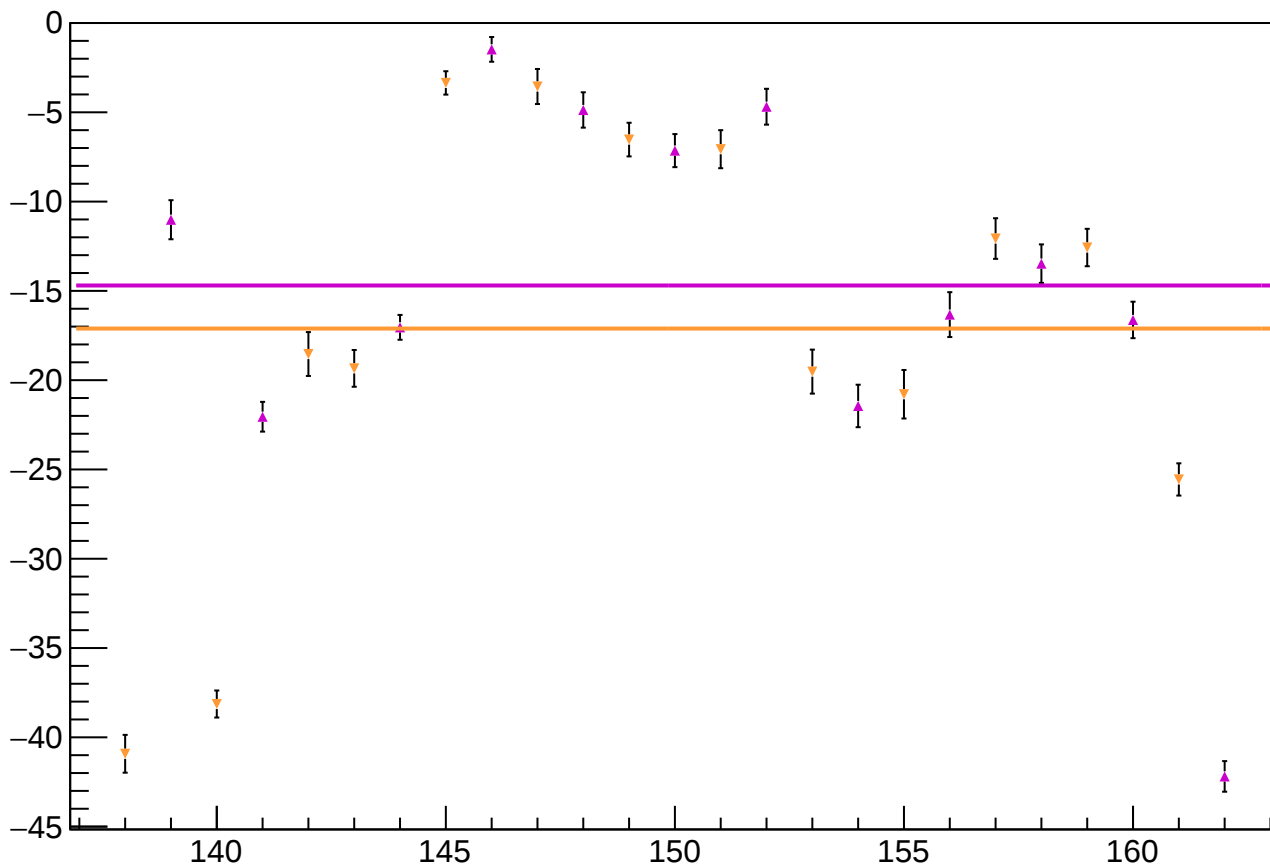
Left In: -0.078+/-0.008 χ^2/NDF : 737.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.055+/-0.006 χ^2/NDF : 1409.7/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -17.109+/-0.270 χ^2/NDF : 2268.0/12

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

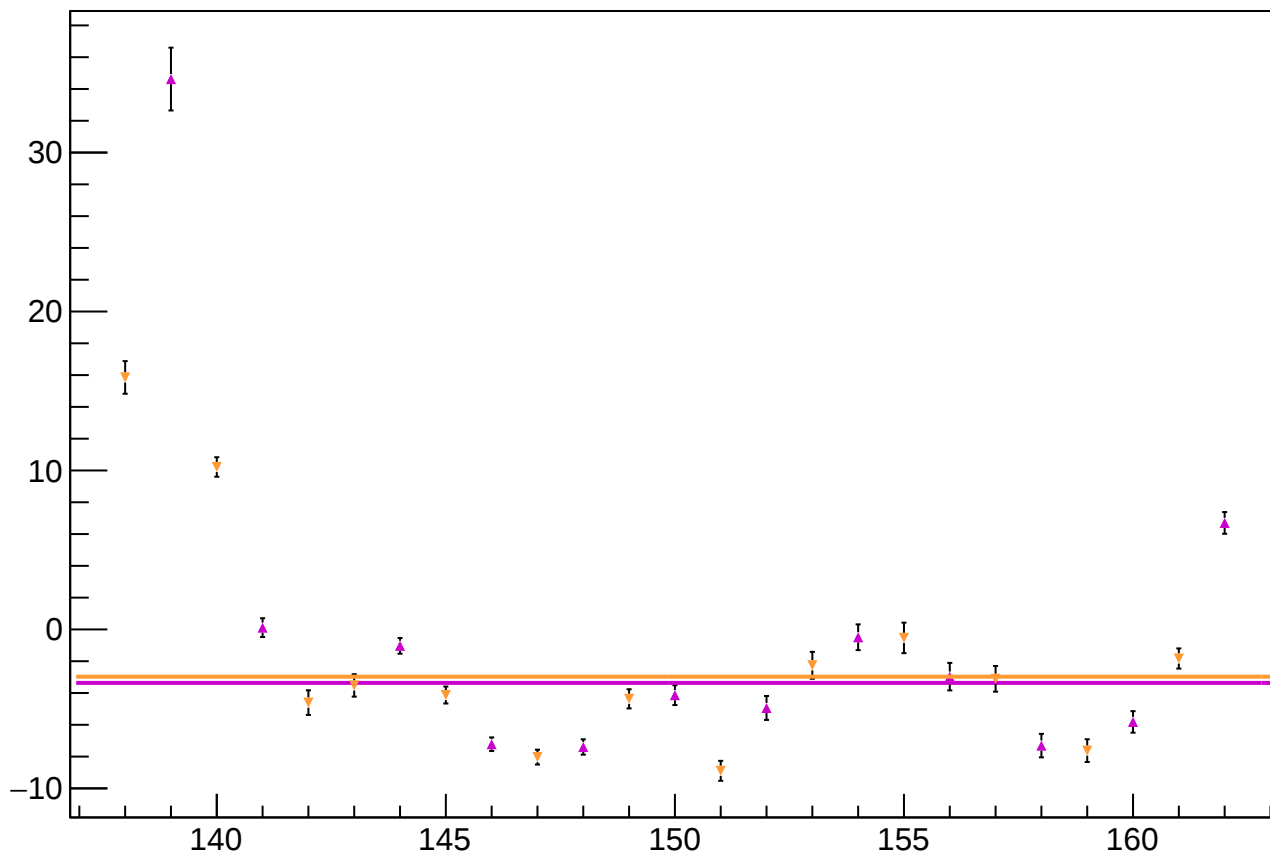
Left In: -14.698+/-0.266 χ^2/NDF : 1797.1/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -15.886+/-0.189 χ^2/NDF : 4105.6/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

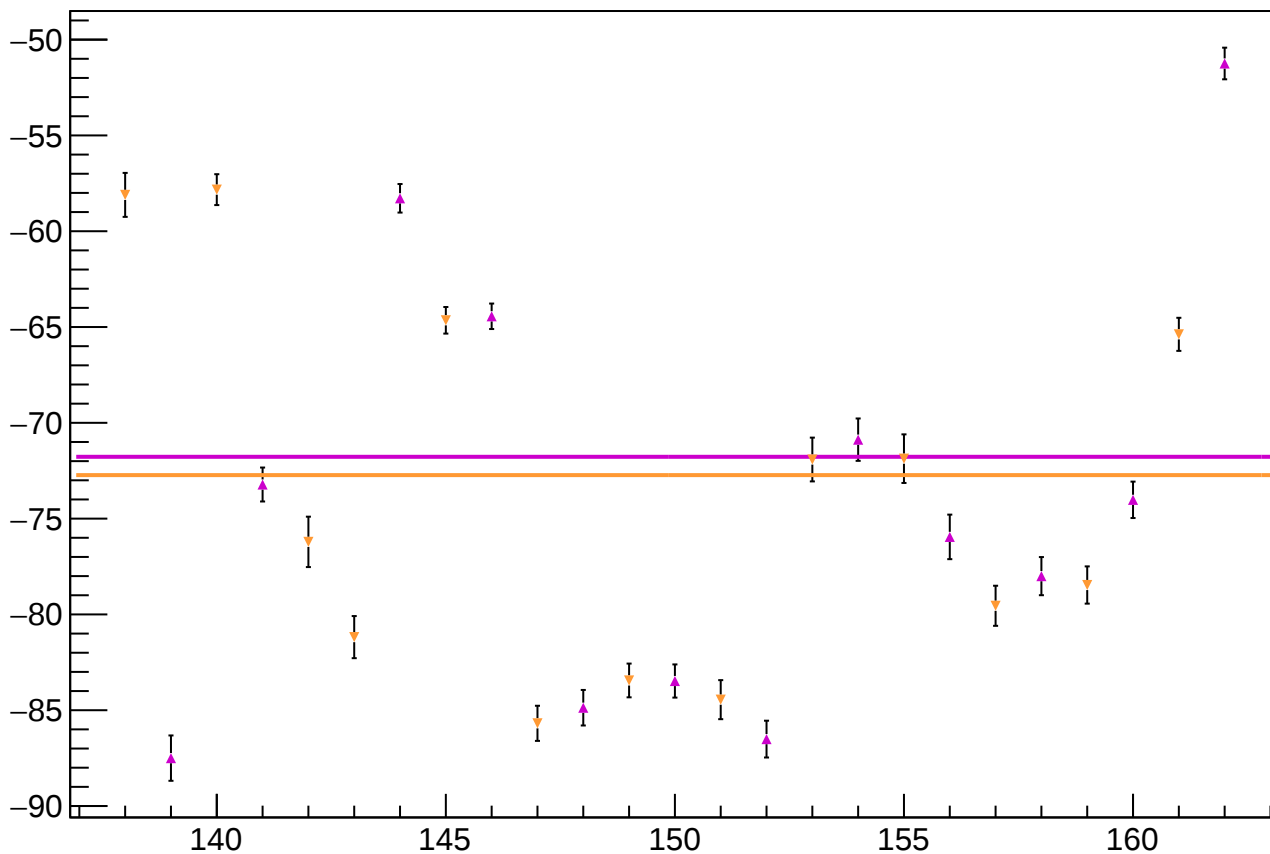
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.973+/-0.185 χ^2/NDF : 1071.3/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.363+/-0.182 χ^2/NDF : 854.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -3.172+/-0.130 χ^2/NDF : 1928.0/24
 - 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: -72.729+/-0.268 χ^2/NDF :1336.9/12

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

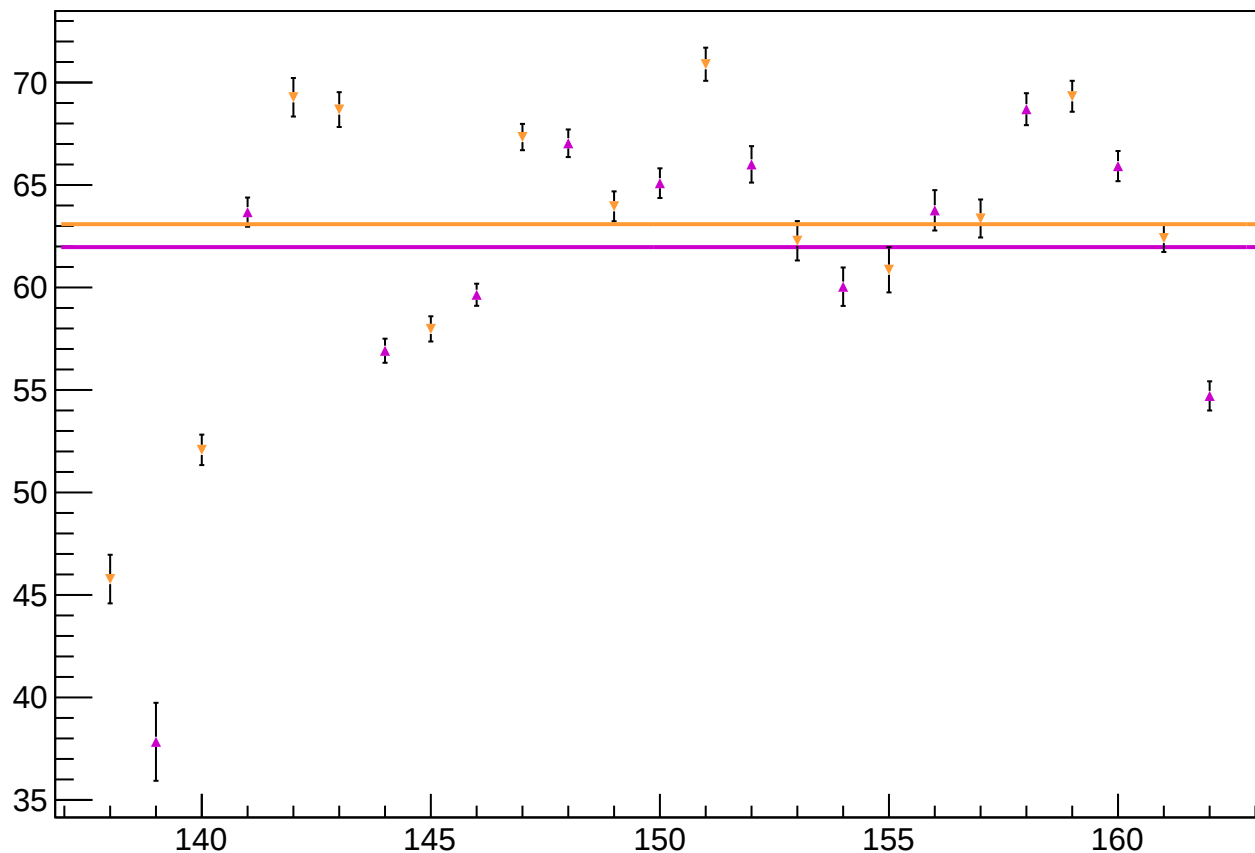
Left In: -71.773+/-0.260 χ^2/NDF :1922.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -72.237+/-0.187 χ^2/NDF : 3266.3/24

- 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: 63.087+/-0.221 χ^2/NDF : 801.1/12

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

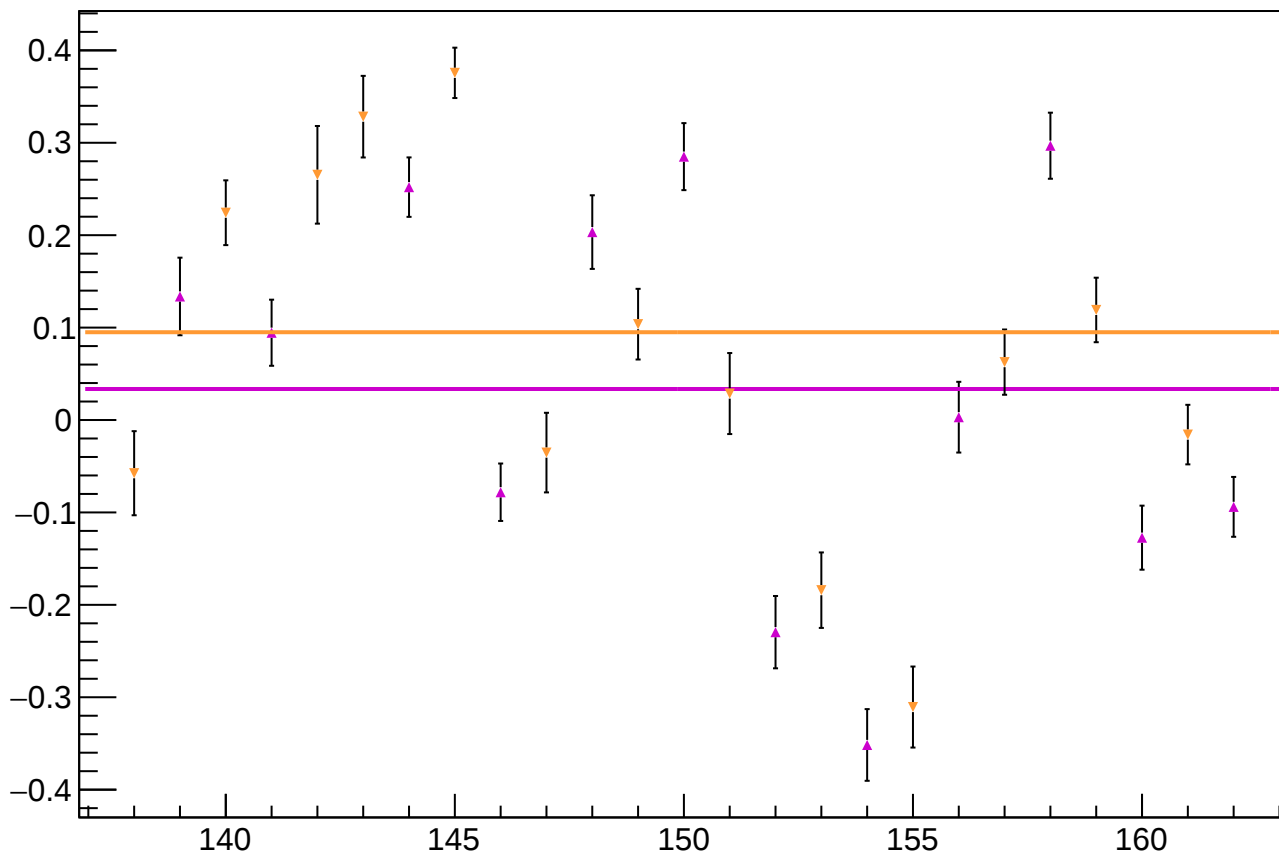
Left In: 61.969+/-0.215 χ^2/NDF : 569.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 62.514+/-0.154 χ^2/NDF : 1383.8/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

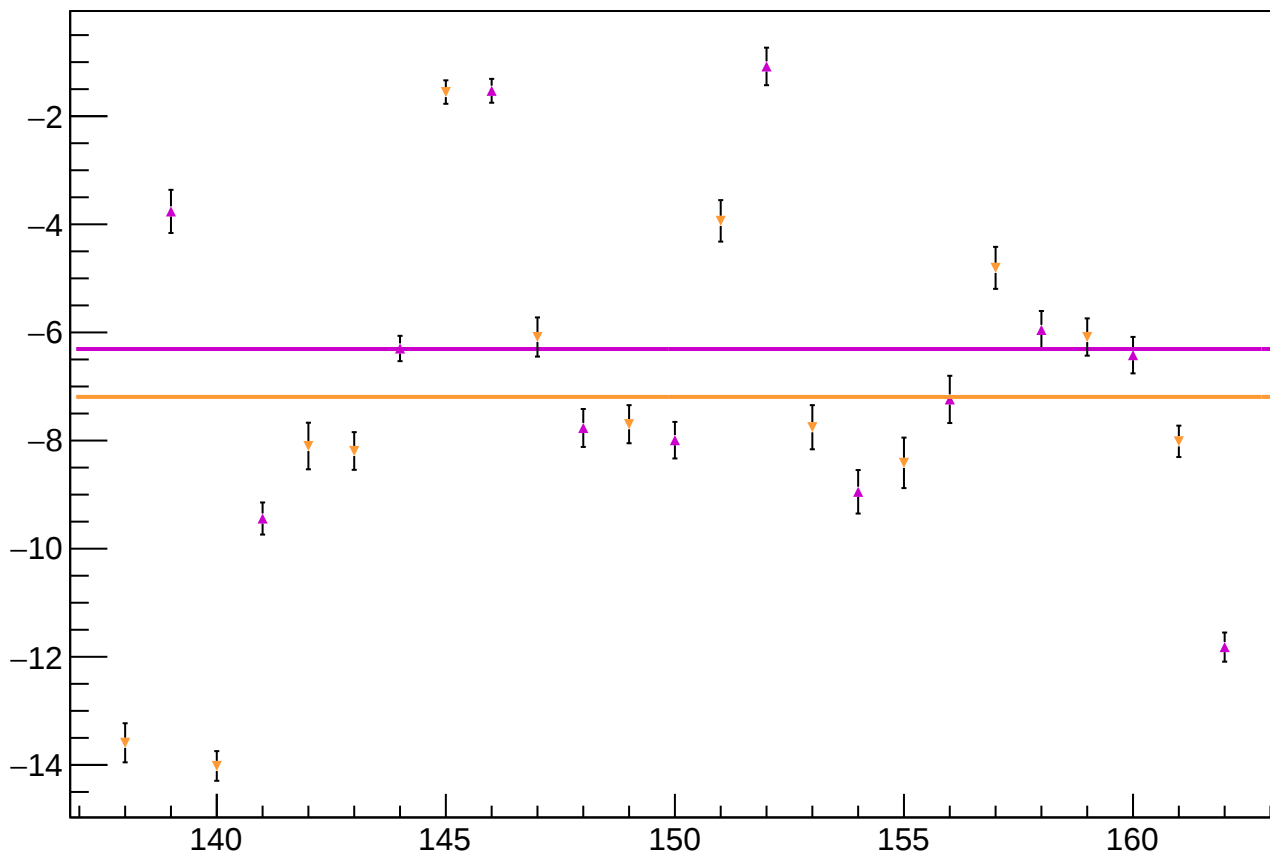
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.095+/-0.011 χ^2/NDF : 326.2/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.034+/-0.010 χ^2/NDF : 369.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 0.064+/-0.007 χ^2/NDF : 713.0/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

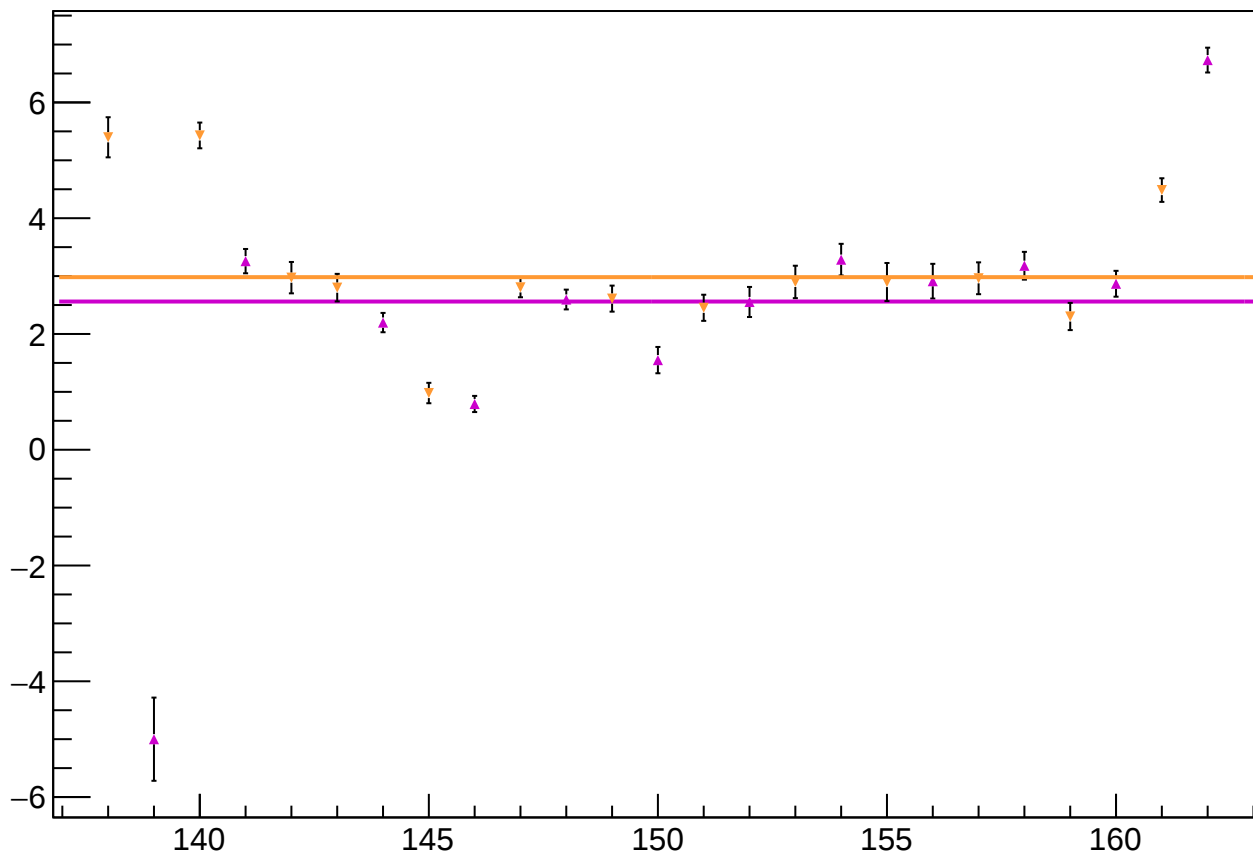
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.193+/-0.093 χ^2/NDF : 1767.3/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.307+/-0.090 χ^2/NDF : 1356.1/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -6.735+/-0.065 χ^2/NDF : 3170.4/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

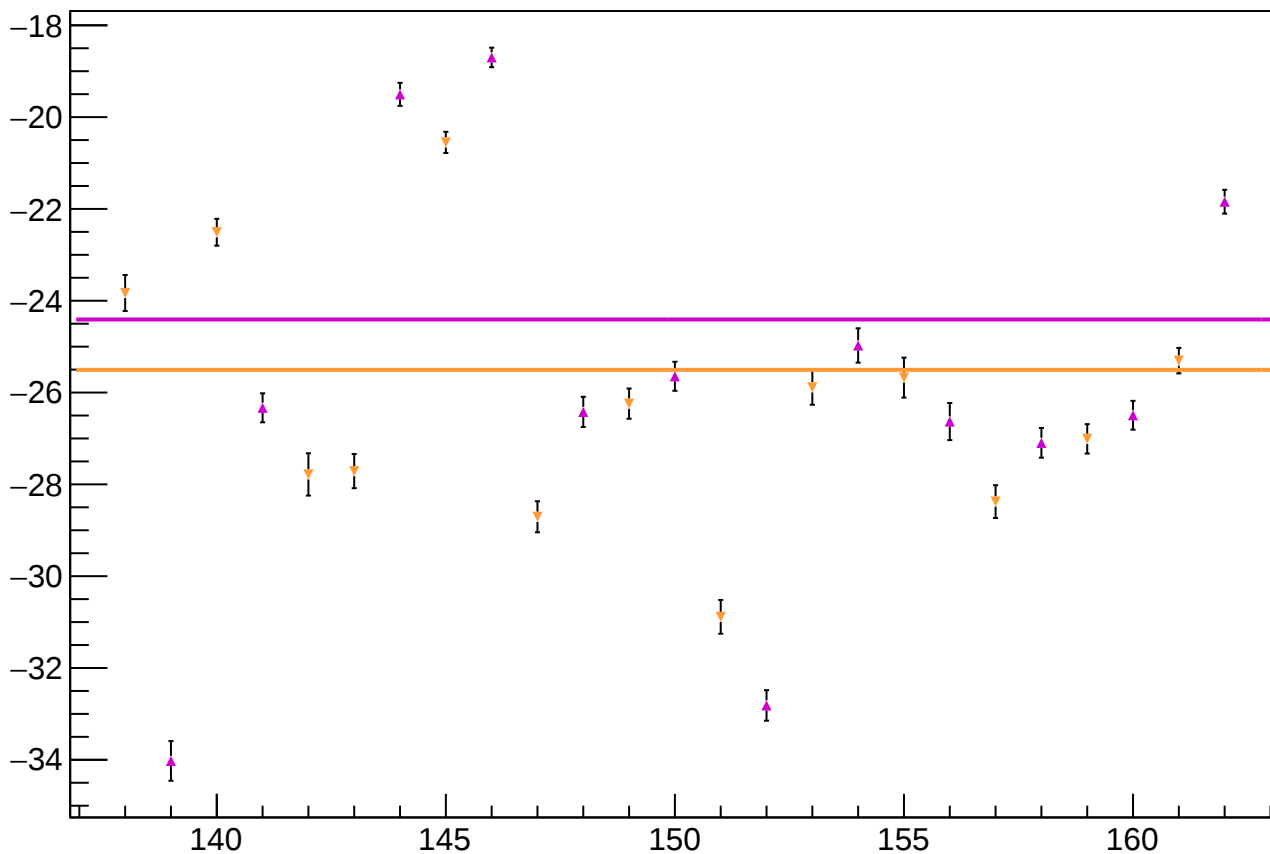
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.982 $\pm$ 0.064 χ^2 /NDF:371.6/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.560 $\pm$ 0.062 χ^2 /NDF:702.2/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 2.762 $\pm$ 0.044 χ^2 /NDF: 1096.2/24
 - 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: -25.505+/-0.092 χ^2/NDF : 1042.6/12

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

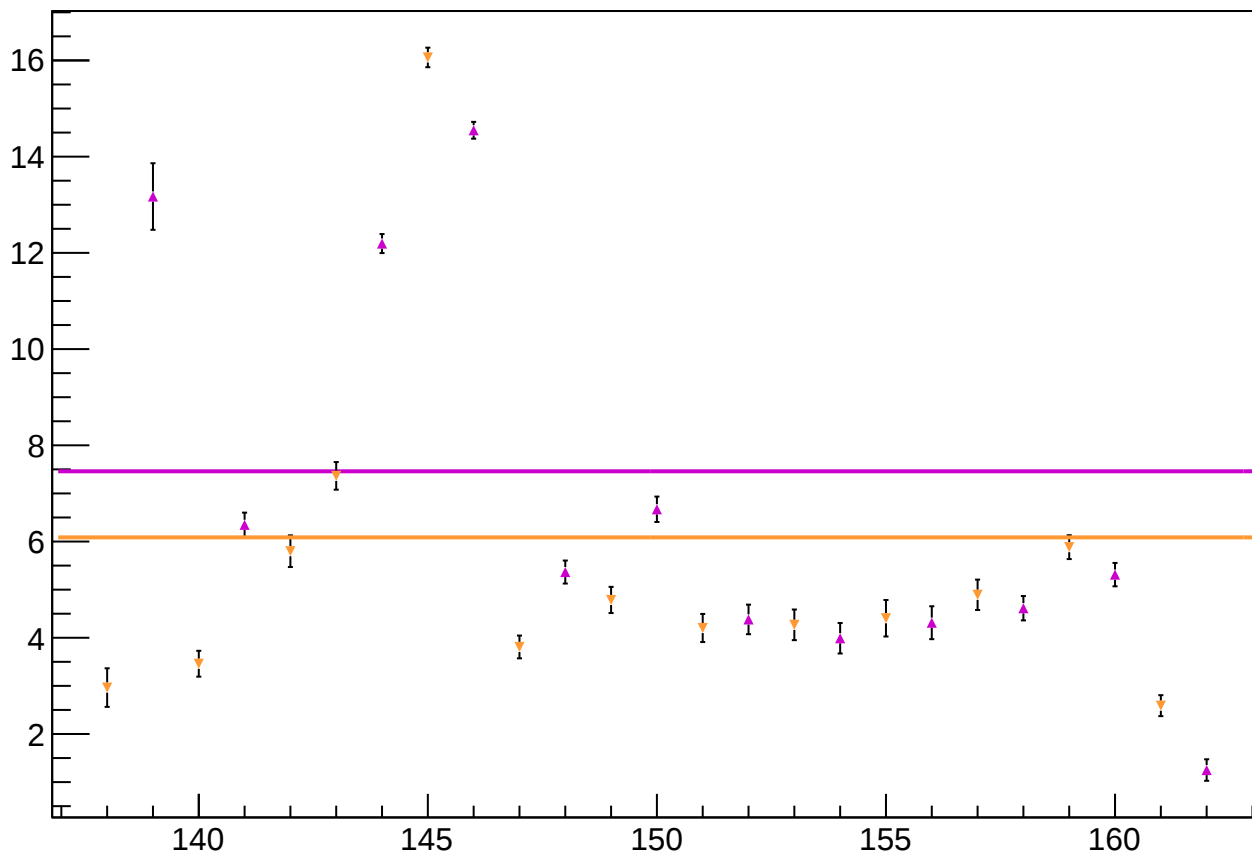
Left In: -24.408+/-0.088 χ^2/NDF : 2572.4/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -24.929+/-0.064 χ^2/NDF : 3689.1/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

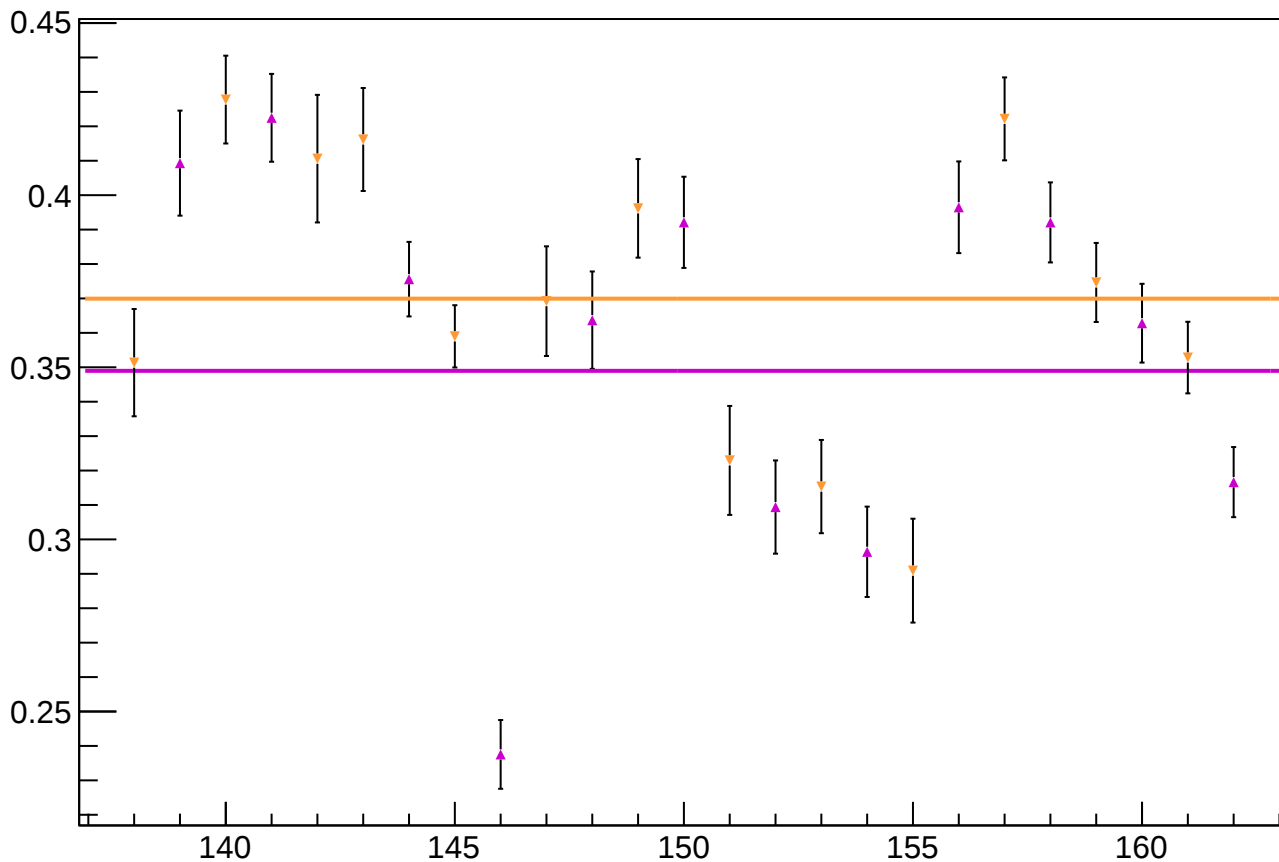
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.086+/-0.076 χ^2/NDF : 3067.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.460+/-0.073 χ^2/NDF : 3668.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 6.805+/-0.053 χ^2/NDF : 6906.7/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

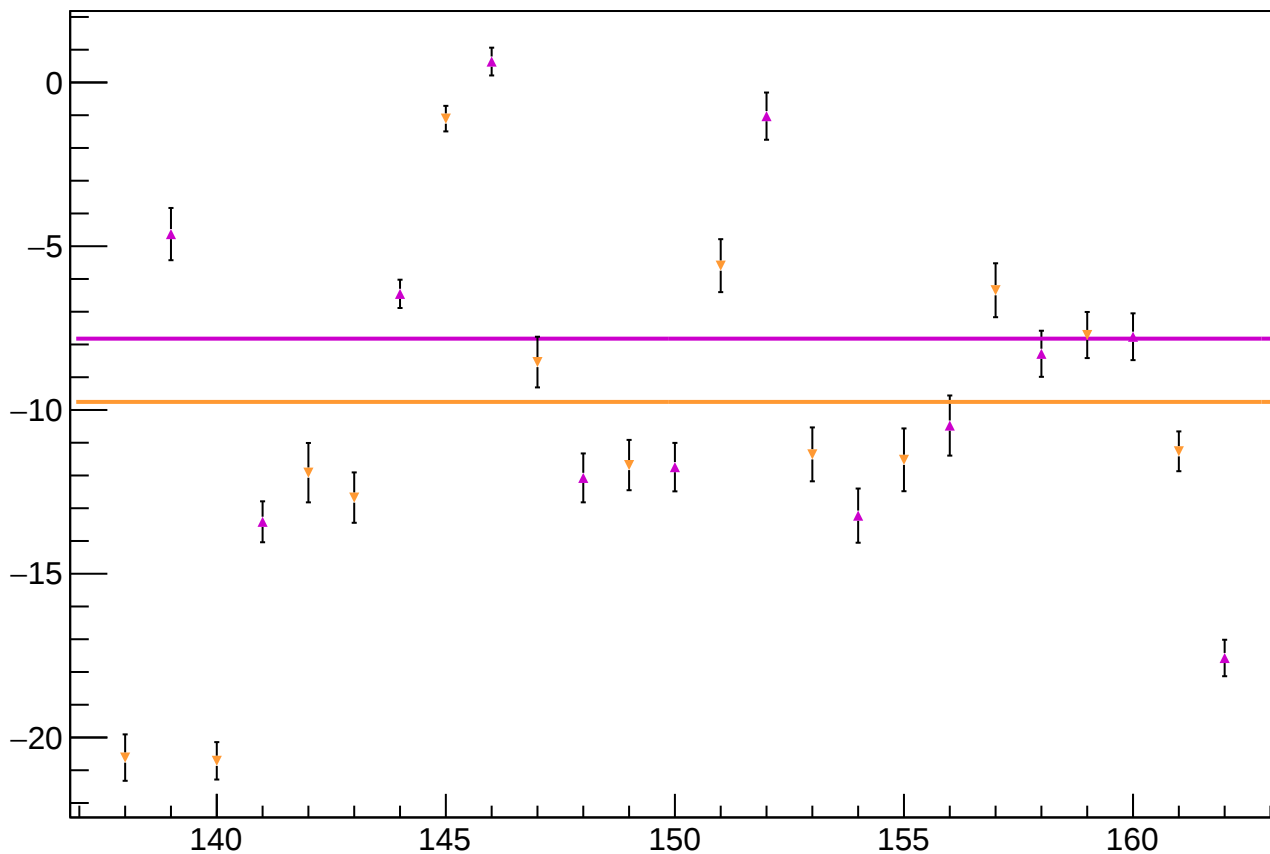
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.370 $\pm$ 0.004 χ^2 /NDF:115.3/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.349 $\pm$ 0.004 χ^2 /NDF:253.6/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.359 $\pm$ 0.003 χ^2 /NDF: 386.3/24
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

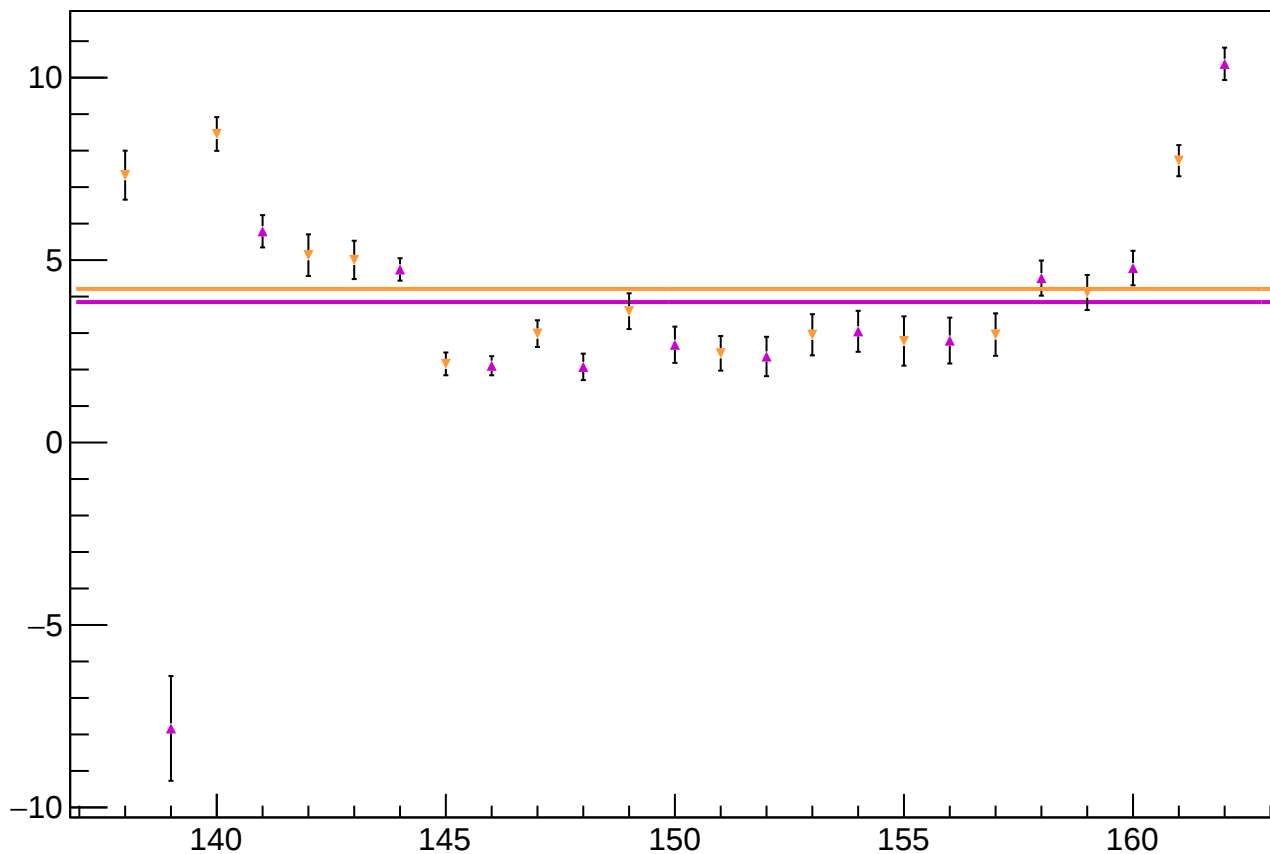
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.753 $\pm$ 0.188 χ^2 /NDF:1188.6/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.822 $\pm$ 0.181 χ^2 /NDF:1011.4/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -8.751 $\pm$ 0.131 χ^2 /NDF: 2254.7/24
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 4.211 $\pm$ 0.131 χ^2 /NDF: 262.7/12

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

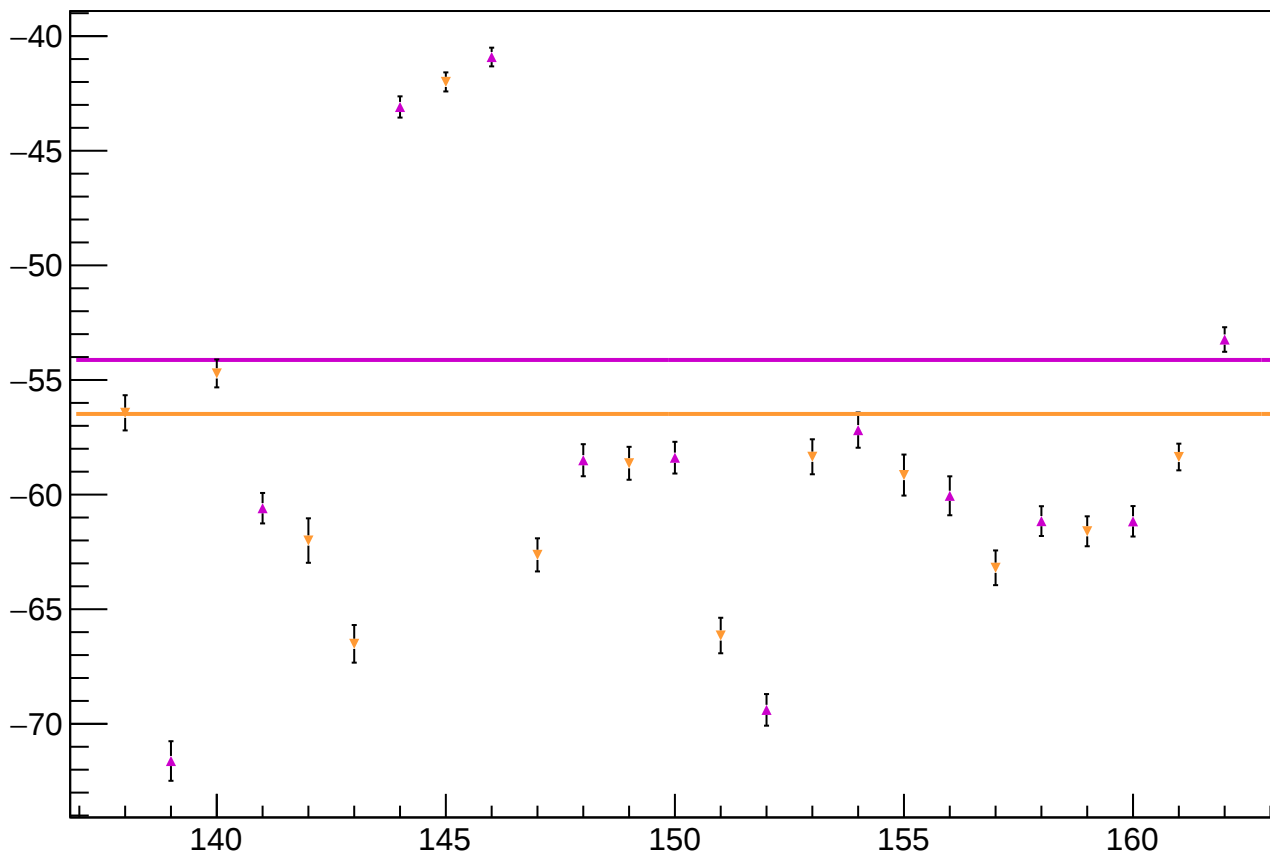
Left In: 3.850 $\pm$ 0.124 χ^2 /NDF: 403.1/11

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

All: 4.019 $\pm$ 0.090 χ^2 /NDF: 669.8/24

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

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -56.481+/-0.188 χ^2/NDF : 1805.2/12

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

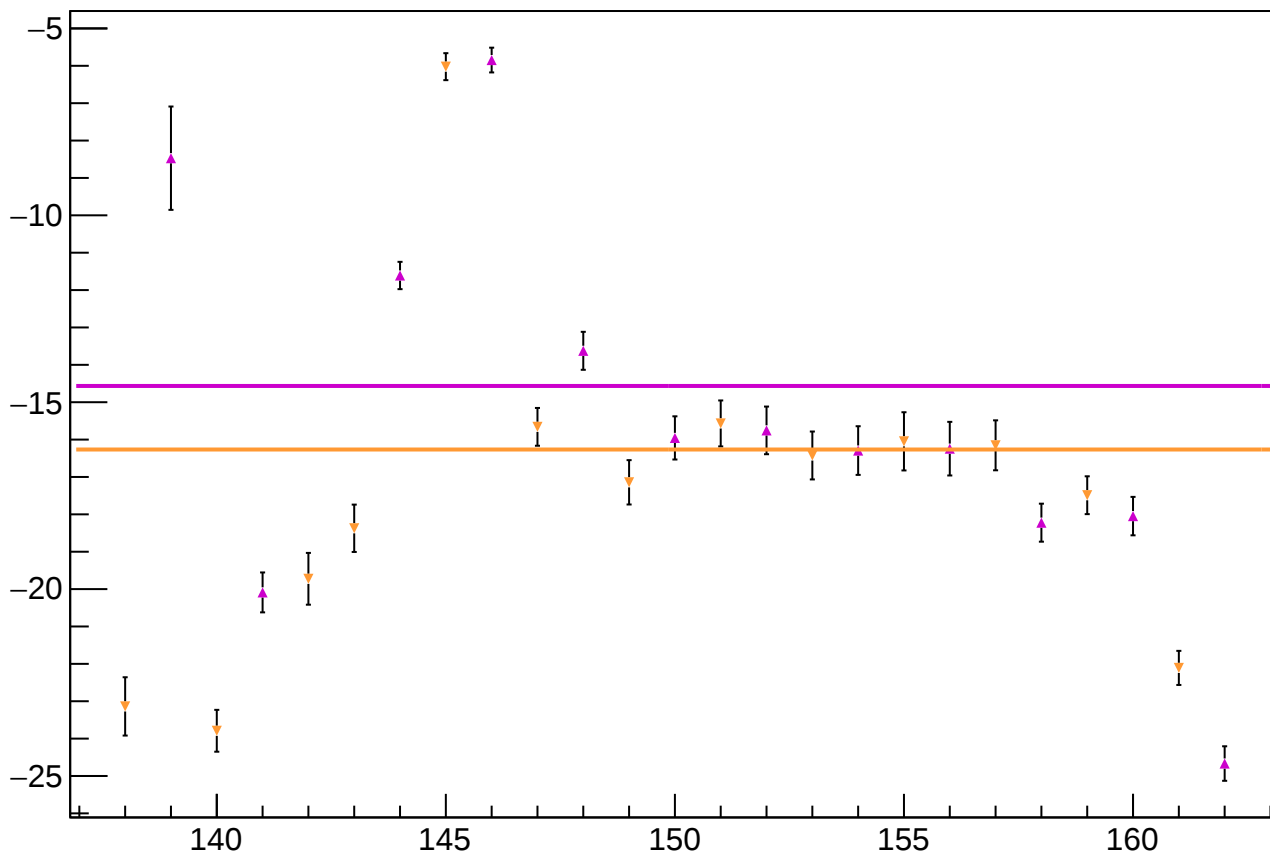
Left In: -54.126+/-0.178 χ^2/NDF : 2986.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -55.236+/-0.129 χ^2/NDF : 4875.0/24

- 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: -16.265 $\pm$ 0.155 χ^2/NDF :1274.9/12

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

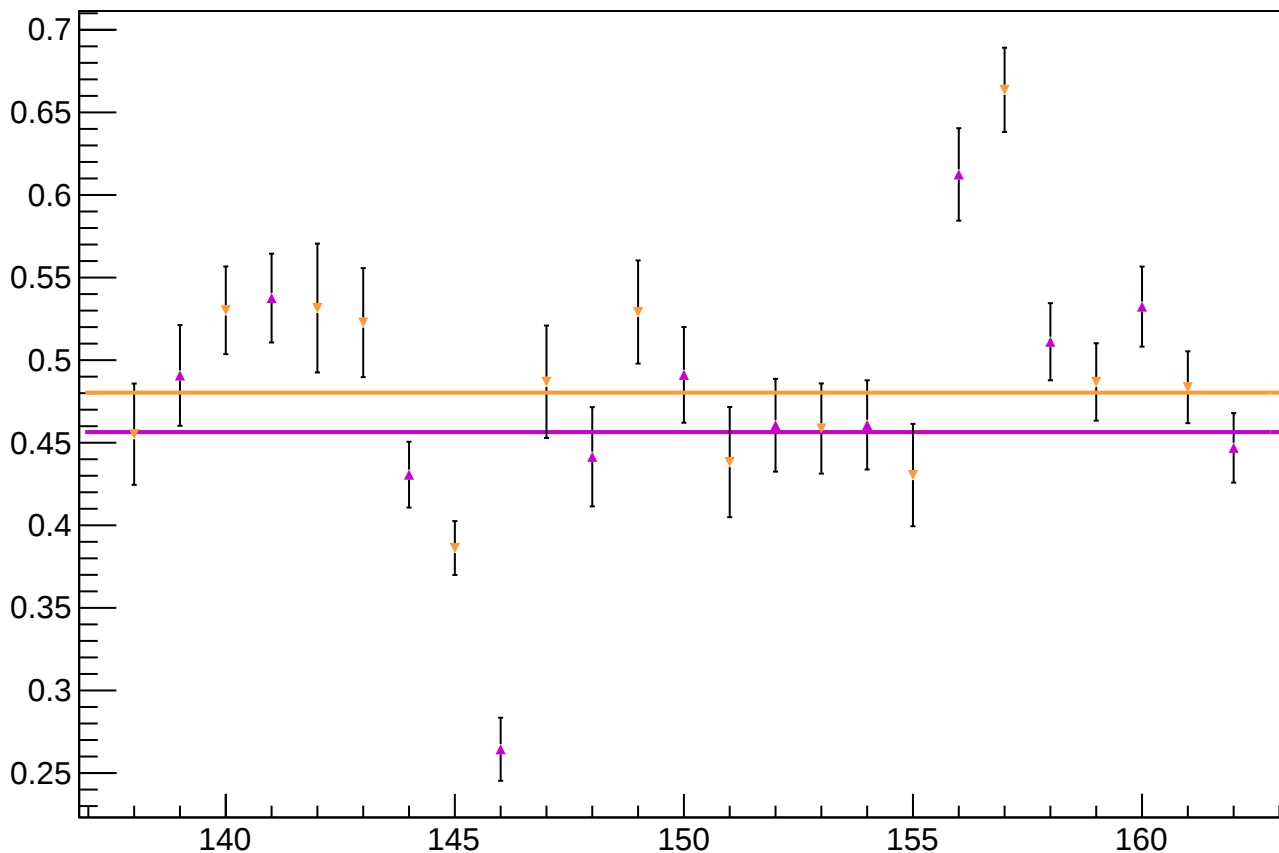
Left In: -14.565 $\pm$ 0.146 χ^2/NDF :1486.5/11

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

All: -15.366 $\pm$ 0.107 χ^2/NDF : 2824.9/24

- 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: 0.480 $\pm$ 0.007 χ^2 /NDF:99.8/12

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

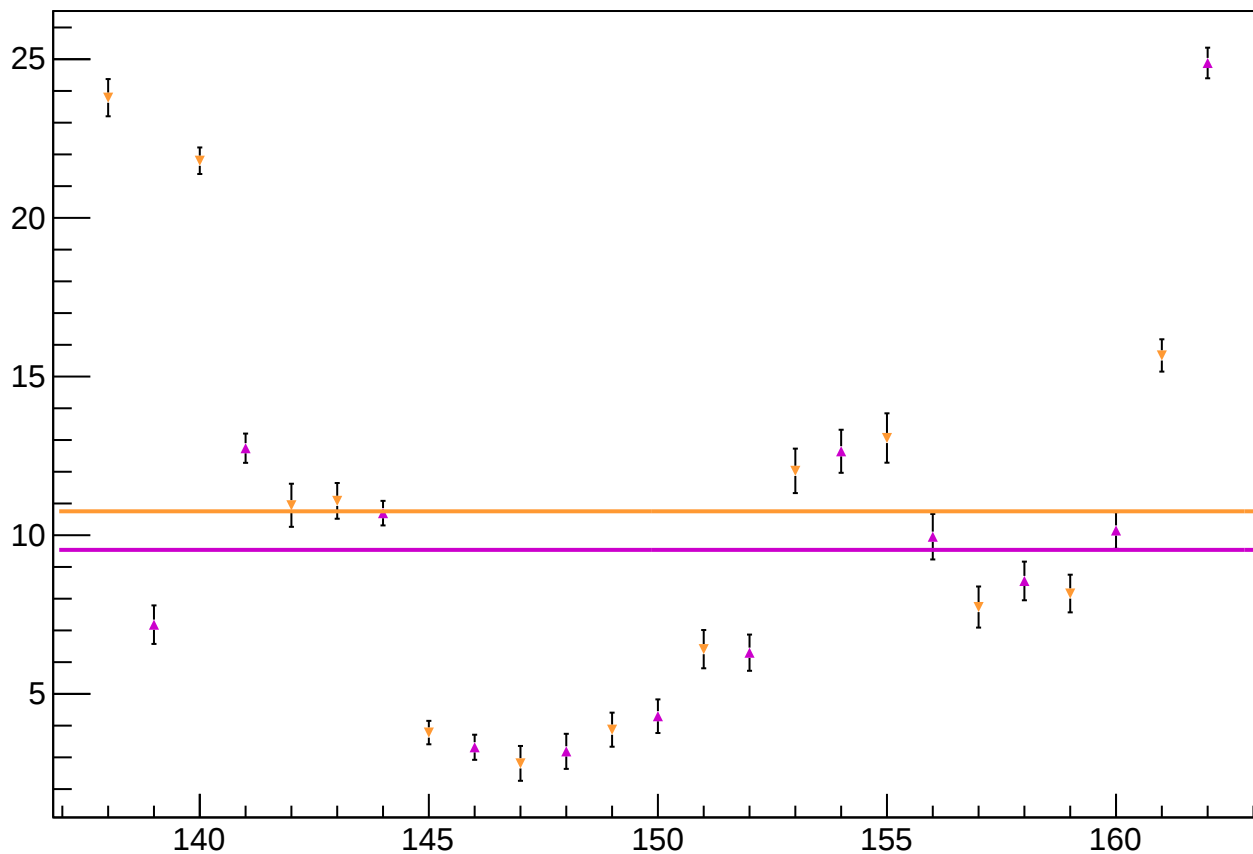
Left In: 0.456 $\pm$ 0.007 χ^2 /NDF:161.6/11

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

All: 0.468 $\pm$ 0.005 χ^2 /NDF: 266.9/24

- 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: 10.753+/-0.151 χ^2/NDF : 2119.0/12

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

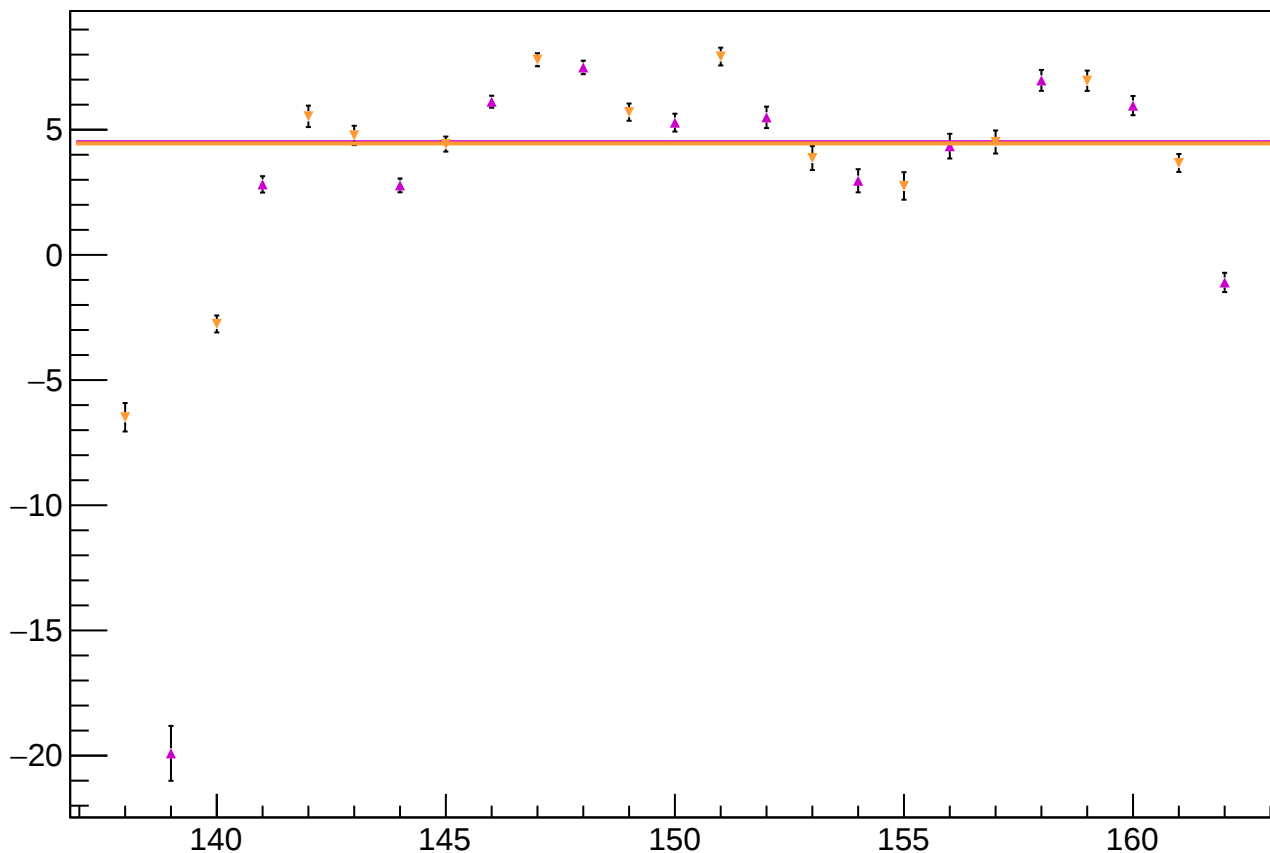
Left In: 9.538+/-0.150 χ^2/NDF : 1618.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 10.139+/-0.107 χ^2/NDF : 3770.5/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

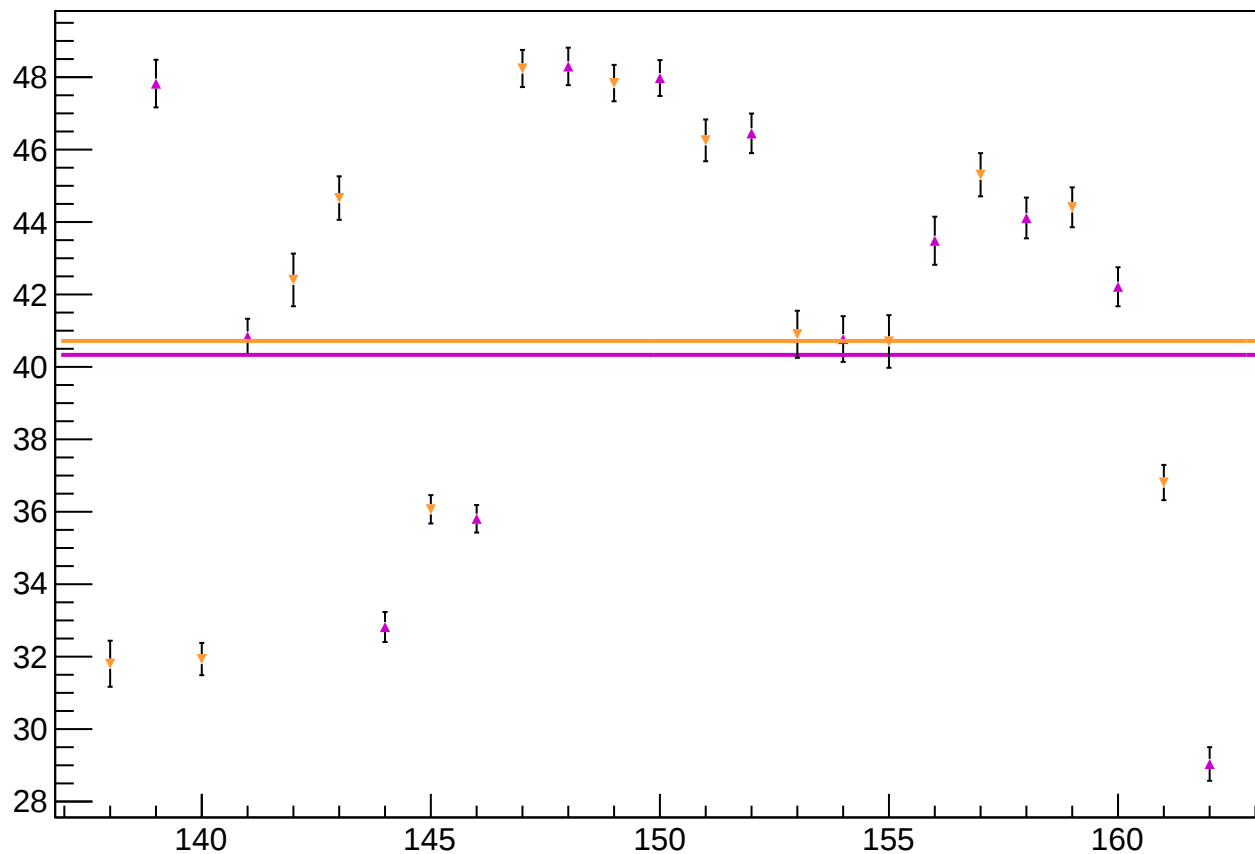
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.452 $\pm$ 0.104 χ^2 /NDF:1154.4/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.502 $\pm$ 0.102 χ^2 /NDF:1012.0/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 4.477 $\pm$ 0.073 χ^2 /NDF: 2166.5/24
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

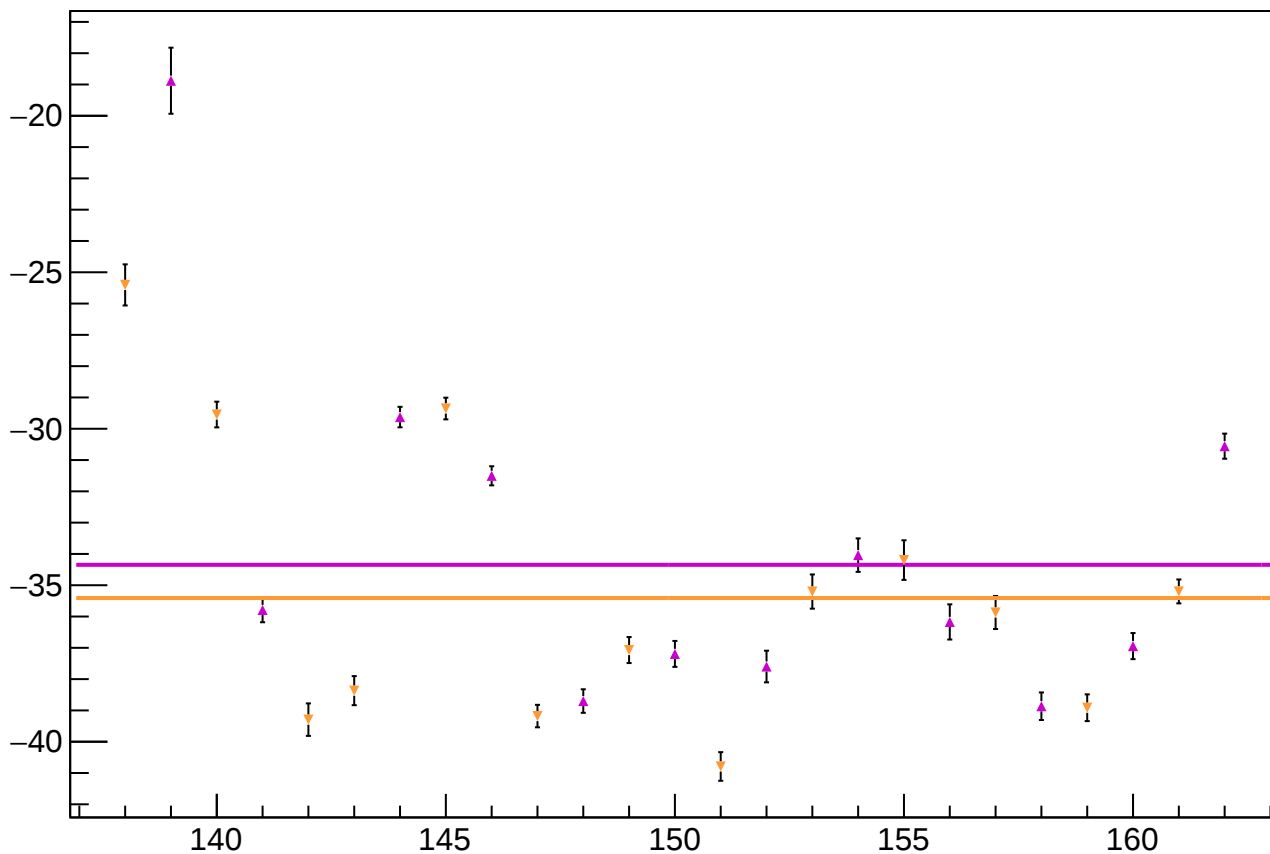
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 40.718 $\pm$ 0.151 χ^2 /NDF:1451.8/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 40.332 $\pm$ 0.147 χ^2 /NDF:1873.6/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 40.520 $\pm$ 0.105 χ^2 /NDF: 3328.8/24
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -35.409+/-0.124 χ^2/NDF : 1174.7/12

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

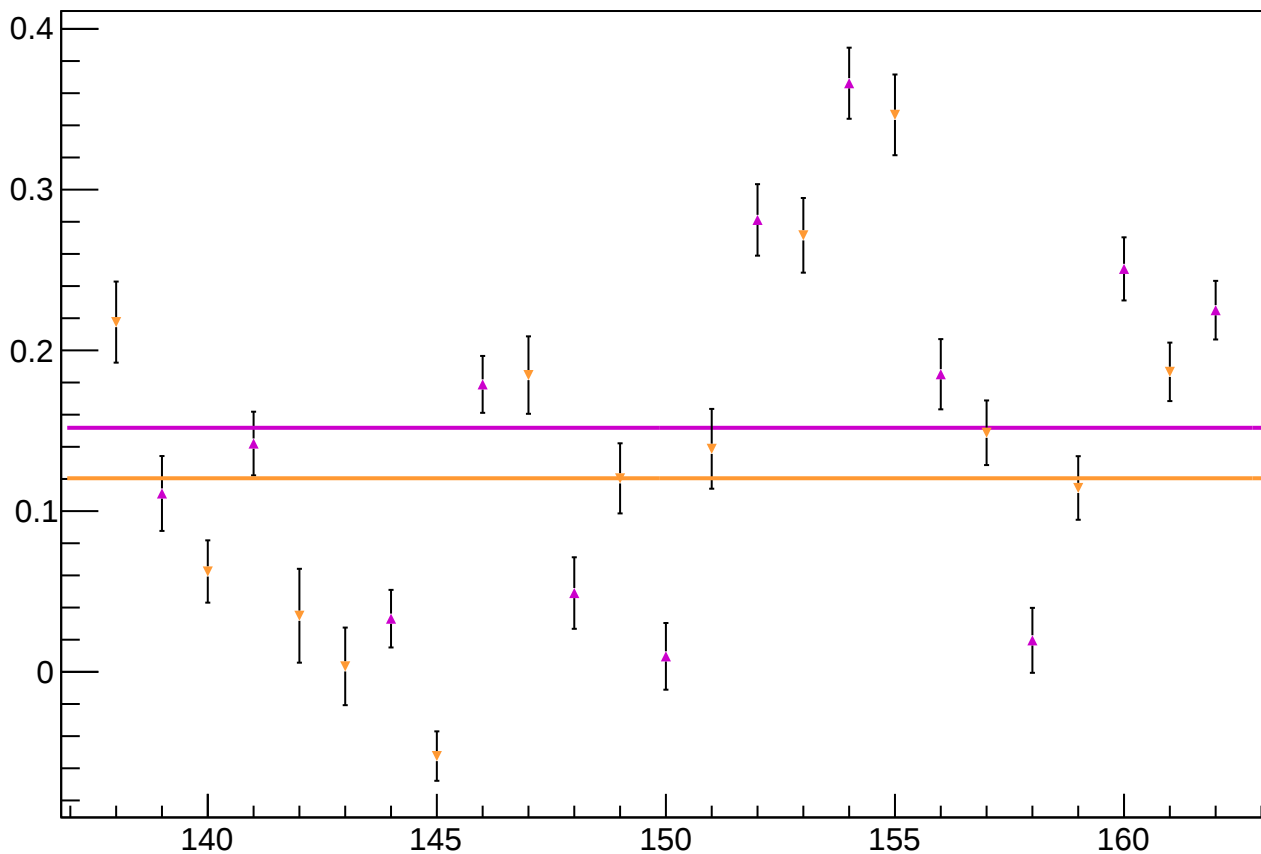
Left In: -34.348+/-0.121 χ^2/NDF : 989.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -34.866+/-0.087 χ^2/NDF : 2201.9/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

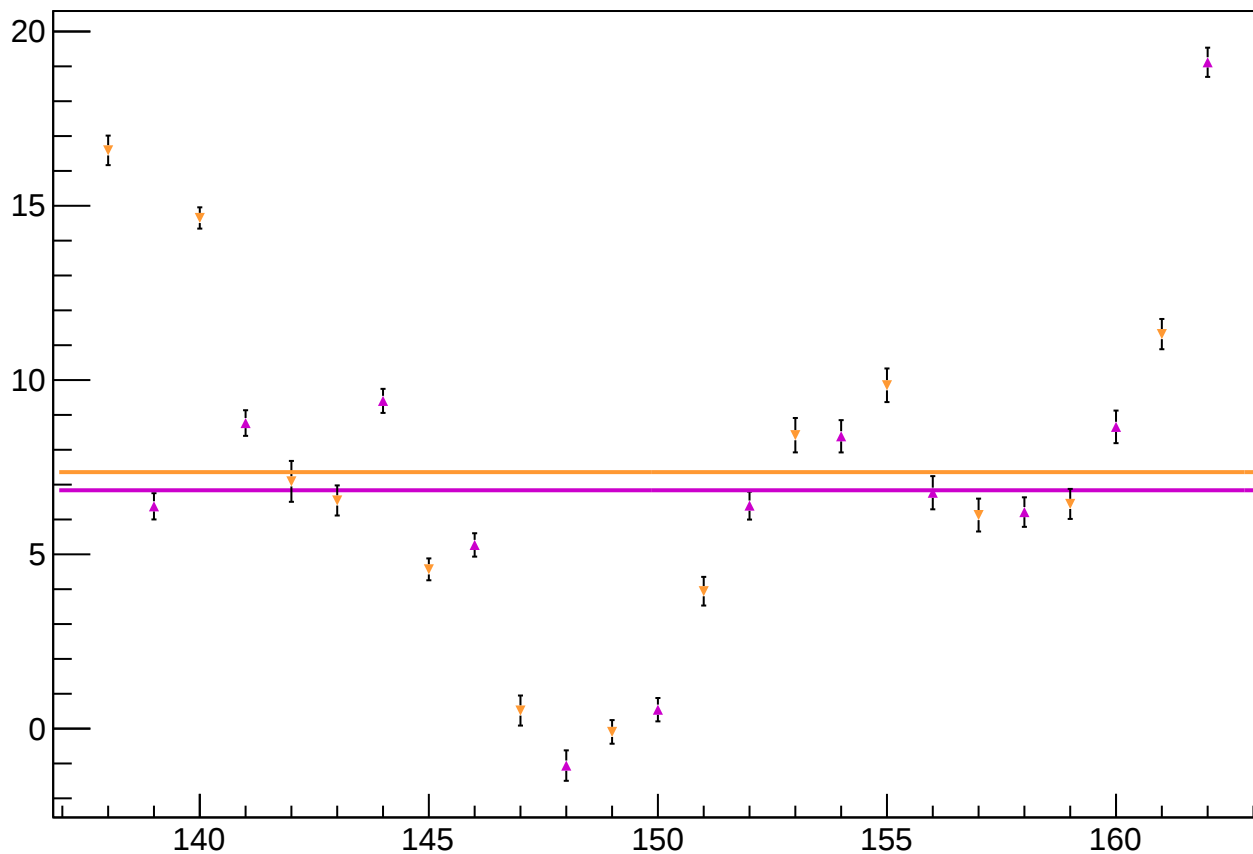
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.120 $\pm$ 0.006 χ^2 /NDF:328.5/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.152 $\pm$ 0.006 χ^2 /NDF:332.3/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.136 $\pm$ 0.004 χ^2 /NDF: 675.0/24
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

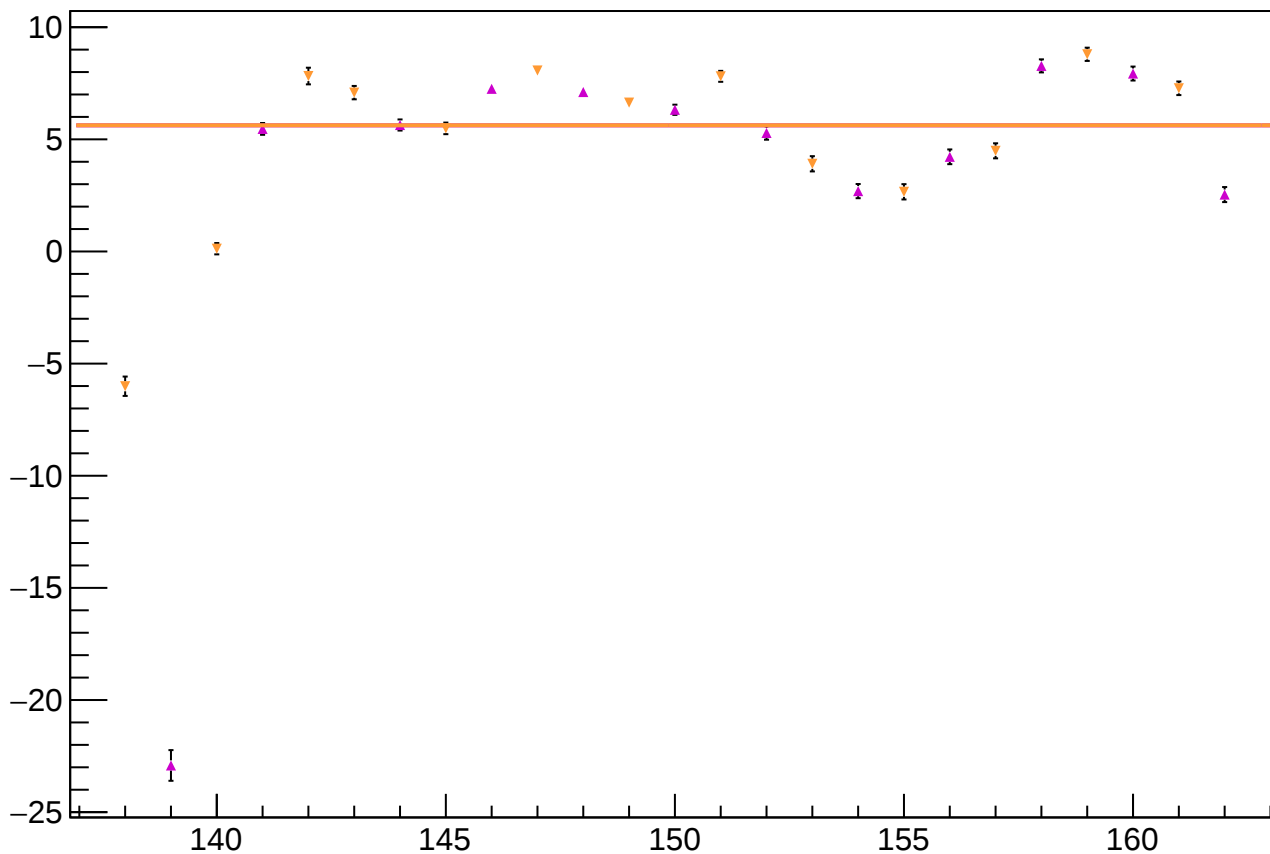
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.359+/-0.113 χ^2/NDF : 2057.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 6.838+/-0.114 χ^2/NDF : 1673.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 7.101+/-0.080 χ^2/NDF : 3741.4/24
 - 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: 5.627 $\pm$ 0.078 χ^2 /NDF:1757.5/12

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

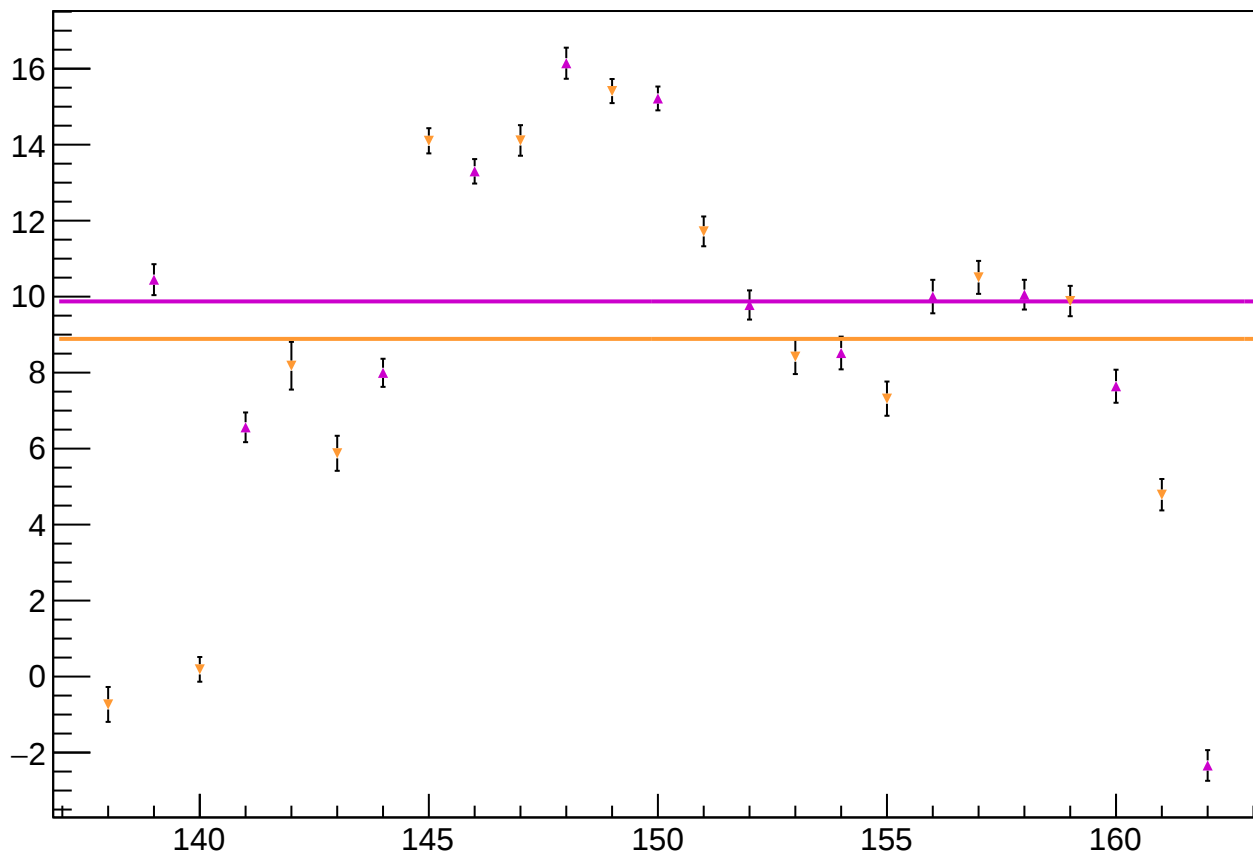
Left In: 5.623 $\pm$ 0.080 χ^2 /NDF:2182.6/11

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

All: 5.625 $\pm$ 0.056 χ^2 /NDF: 3940.1/24

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

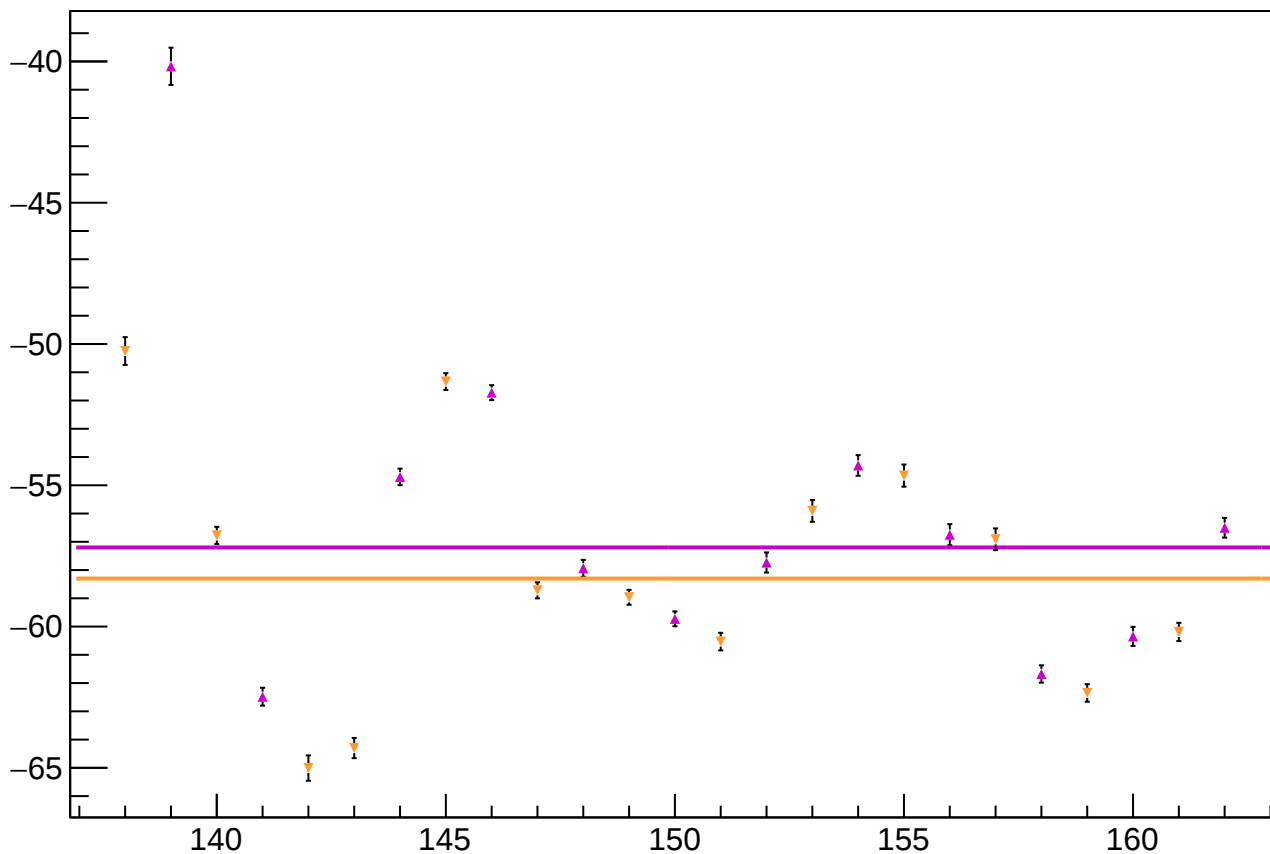
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 8.888 $\pm$ 0.112 χ^2 /NDF:2219.9/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 9.874 $\pm$ 0.111 χ^2 /NDF:1689.4/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 9.383 $\pm$ 0.079 χ^2 /NDF: 3948.5/24
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -58.300+/-0.093 χ^2/NDF :1748.6/12

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

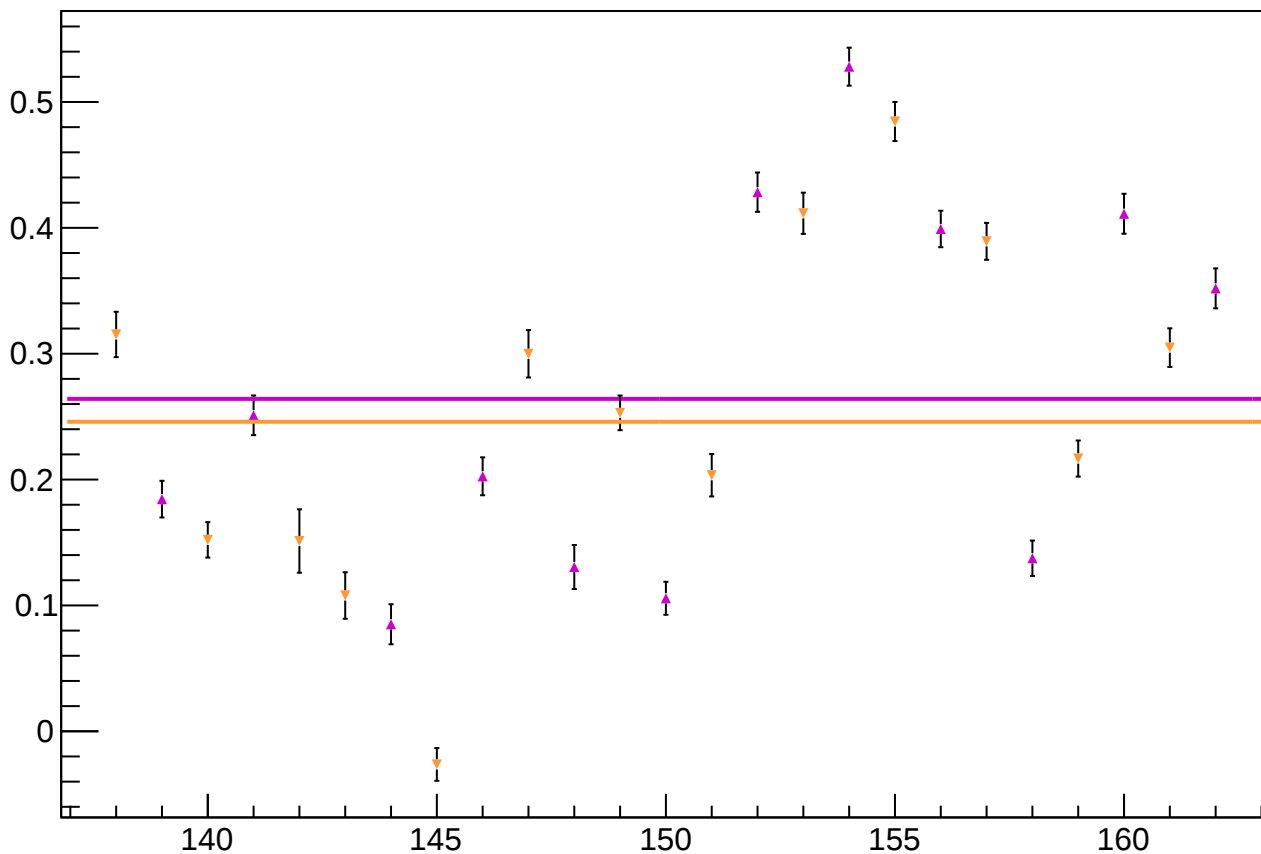
Left In: -57.200+/-0.094 χ^2/NDF :1915.2/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -57.755+/-0.066 χ^2/NDF : 3733.4/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

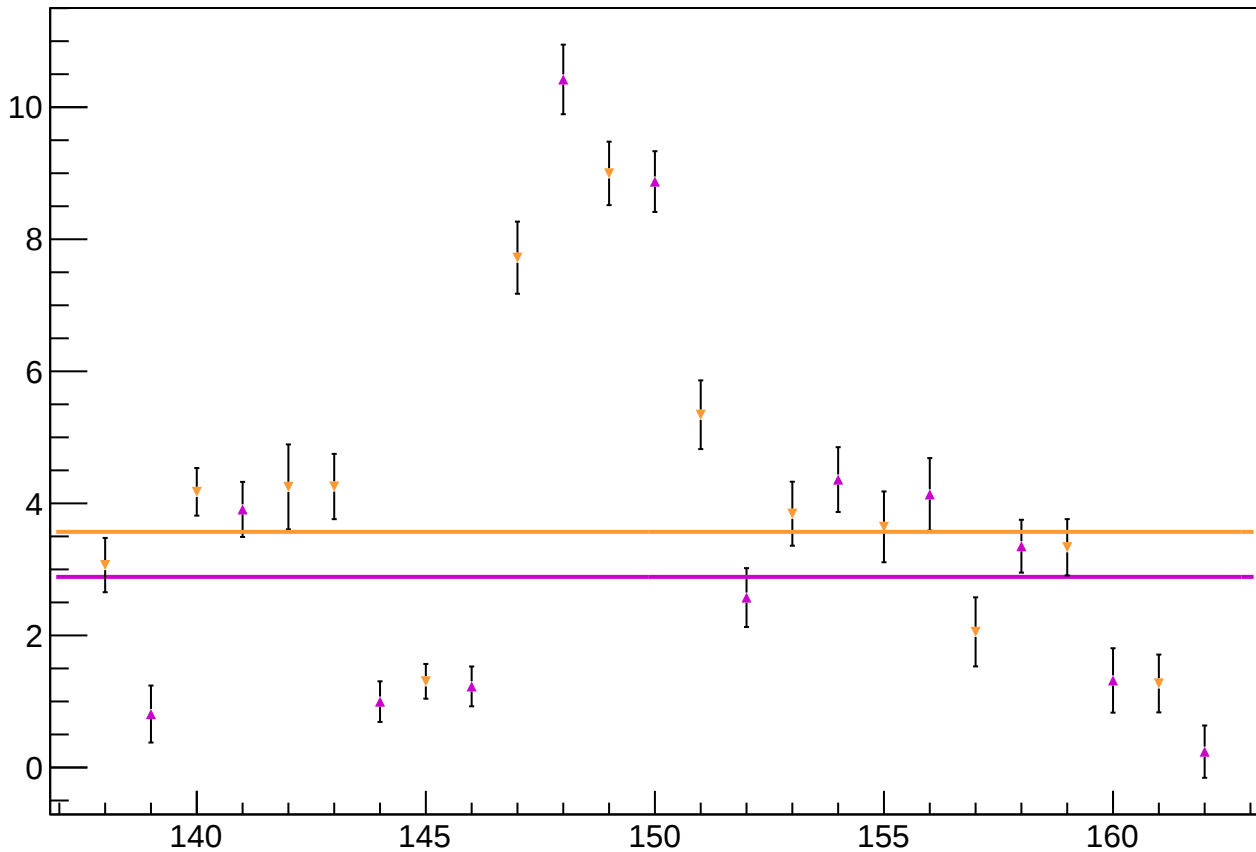
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.246 $\pm$ 0.004 χ^2 /NDF:1035.0/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.264 $\pm$ 0.004 χ^2 /NDF:1079.3/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 0.255 $\pm$ 0.003 χ^2 /NDF: 2123.0/24
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

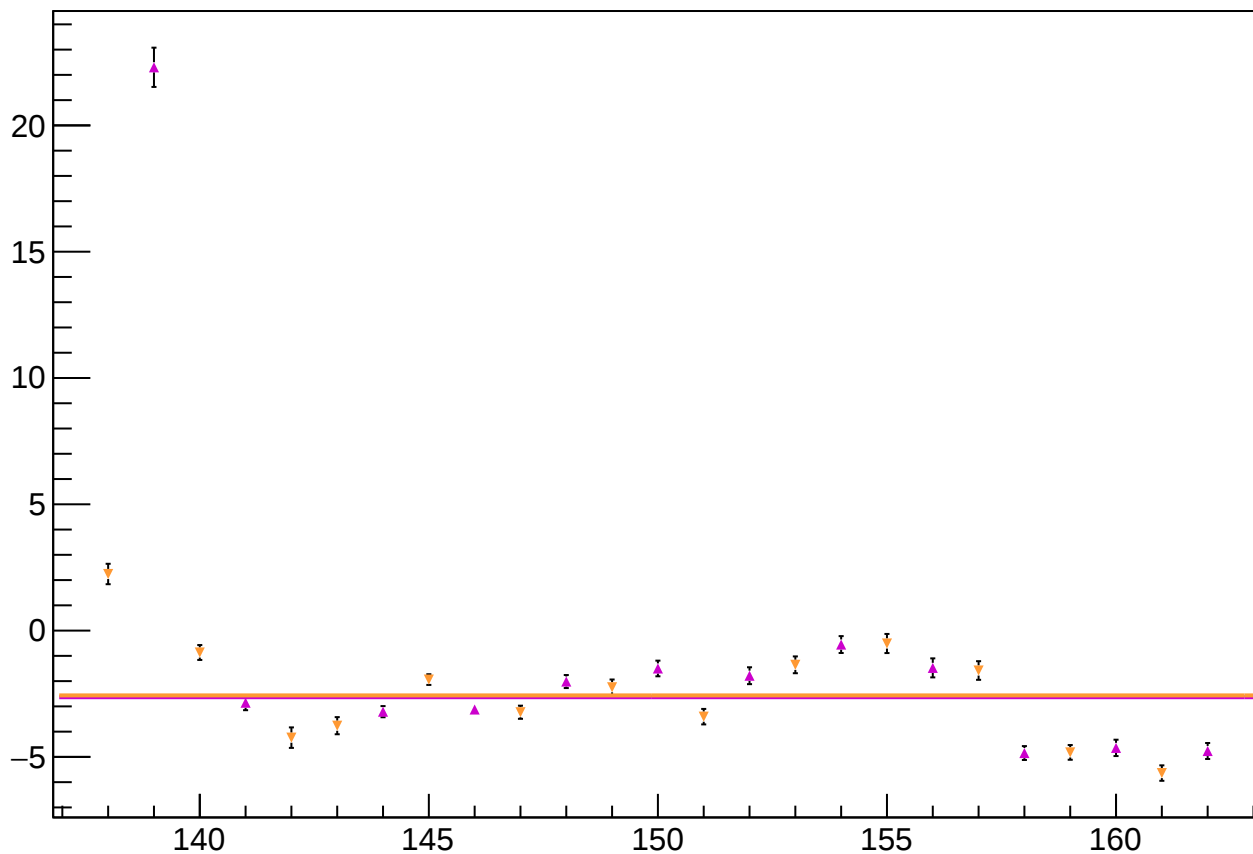
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.569 $\pm$ 0.121 χ^2 /NDF:315.0/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.887 $\pm$ 0.119 χ^2 /NDF:542.4/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 3.222 $\pm$ 0.085 χ^2 /NDF: 873.4/24
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

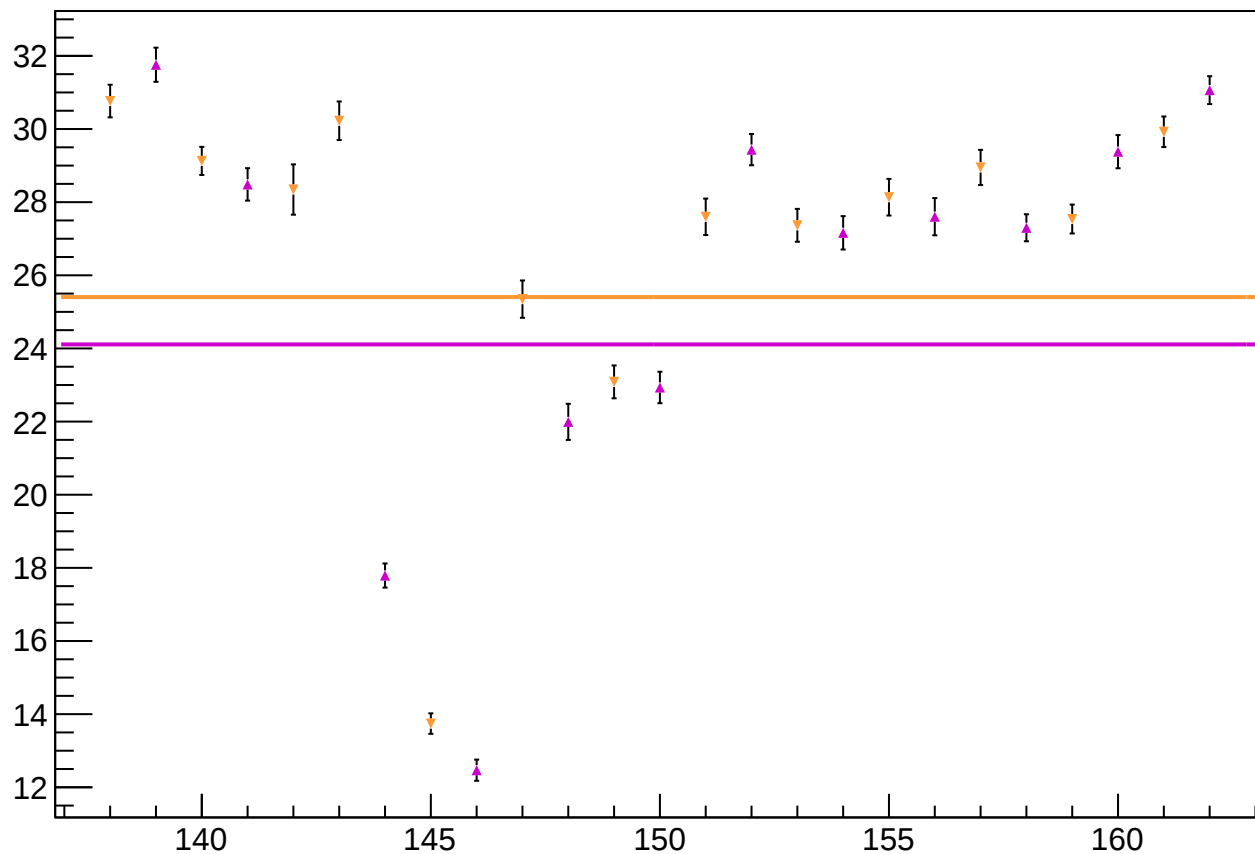
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.565 $\pm$ 0.086 χ^2 /NDF:438.9/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.637 $\pm$ 0.083 χ^2 /NDF:1266.0/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -2.602 $\pm$ 0.060 χ^2 /NDF: 1705.2/24
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

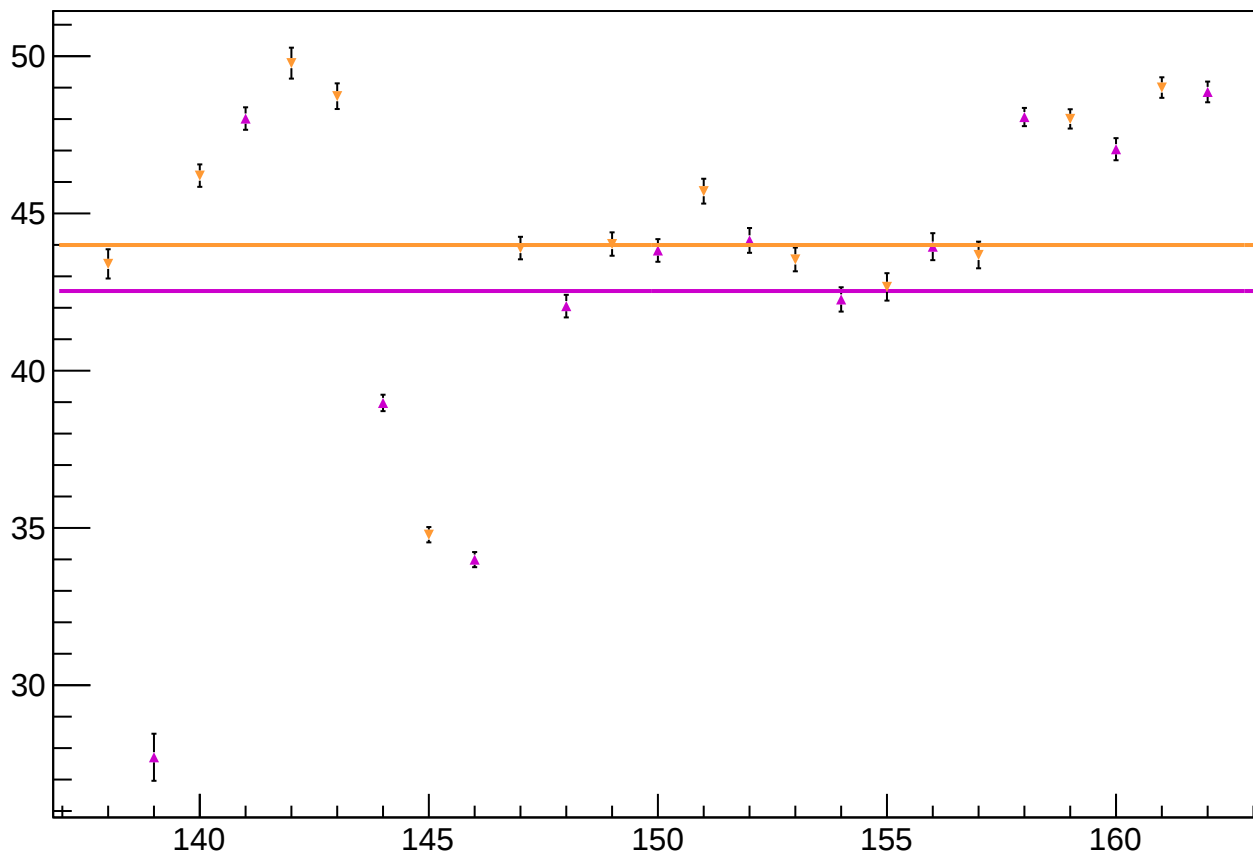
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 25.404+/-0.121 χ^2/NDF :2366.3/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 24.110+/-0.117 χ^2/NDF :3160.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 24.734+/-0.084 χ^2/NDF : 5586.1/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 43.996+/-0.101 χ^2/NDF :2173.8/12

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

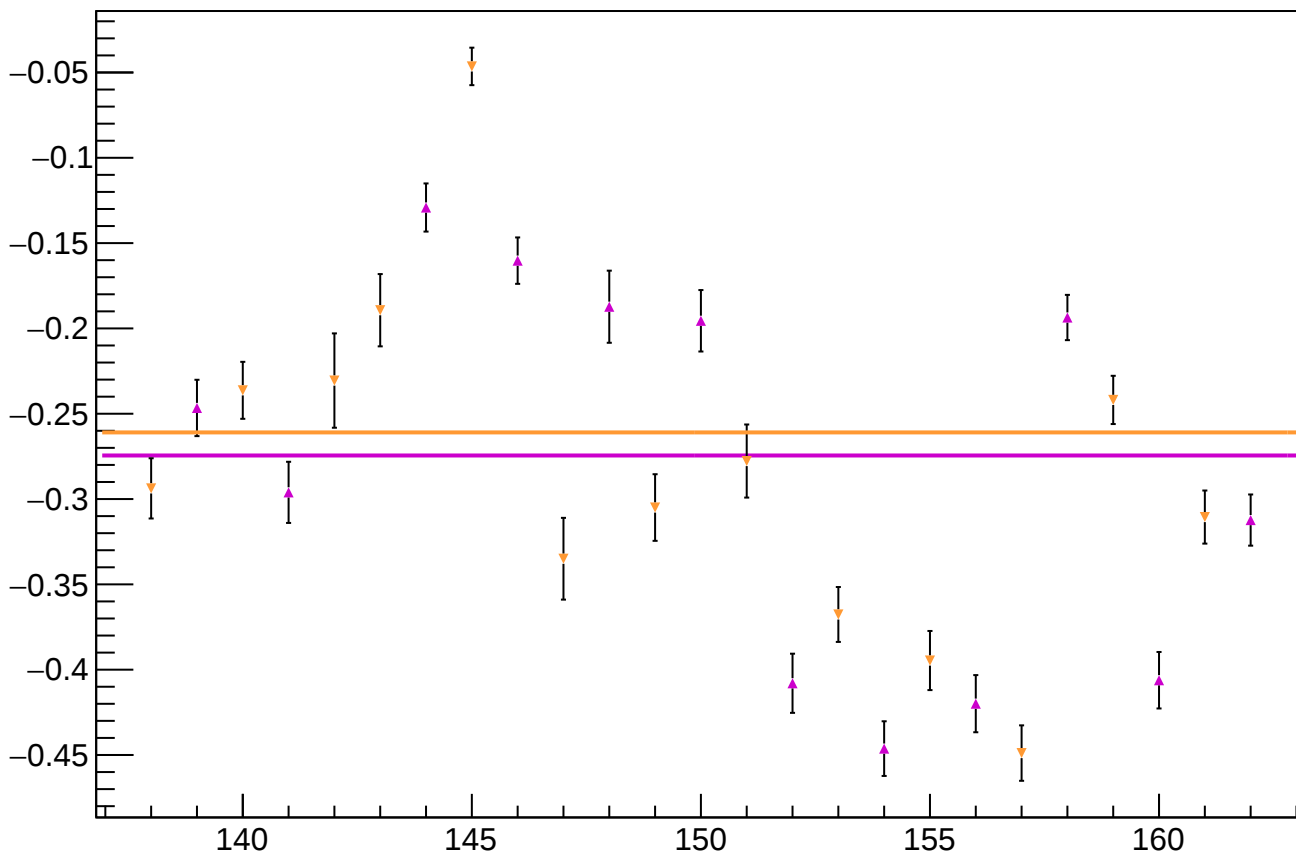
Left In: 42.533+/-0.098 χ^2/NDF :3015.8/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 43.243+/-0.070 χ^2/NDF : 5298.4/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

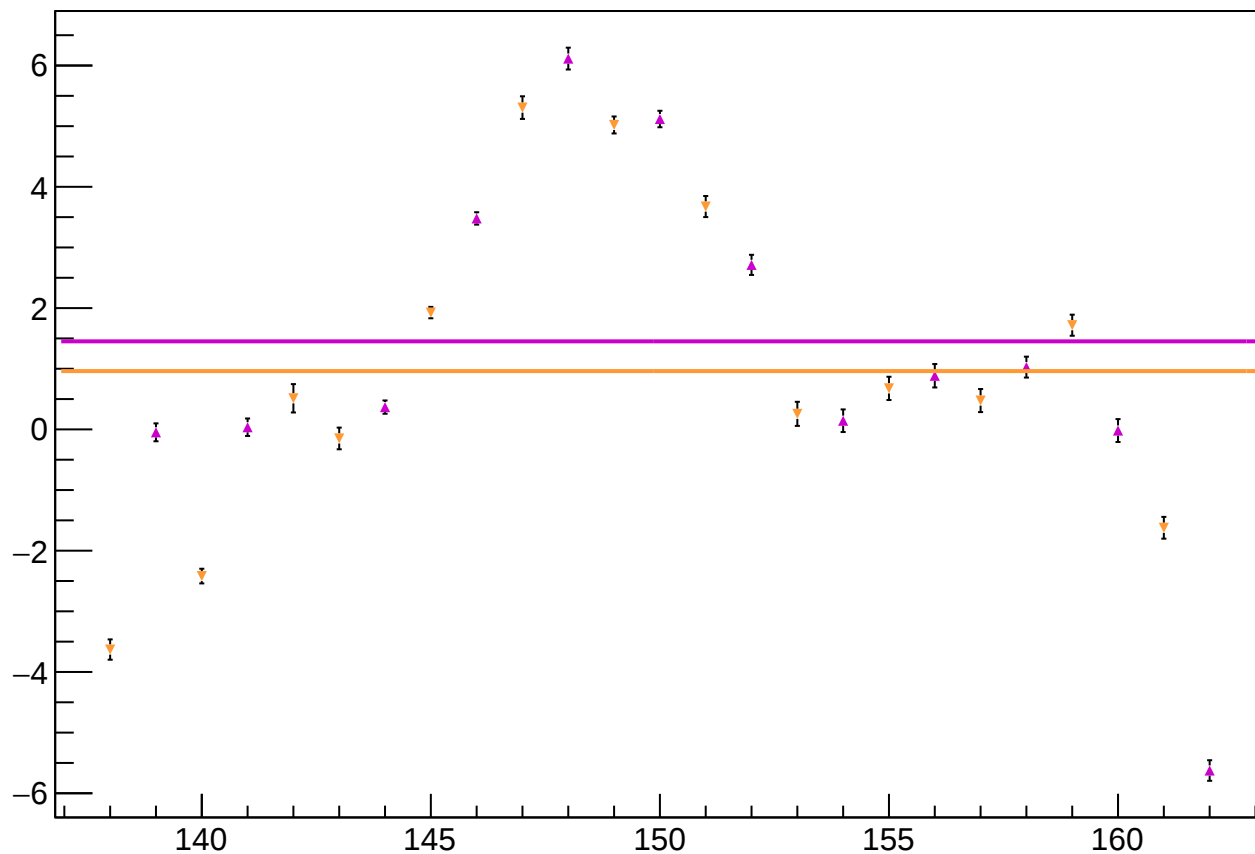
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.261 $\pm$ 0.005 χ^2 /NDF:664.2/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.274 $\pm$ 0.005 χ^2 /NDF:573.7/11

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.268 $\pm$ 0.003 χ^2 /NDF: 1242.1/24
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

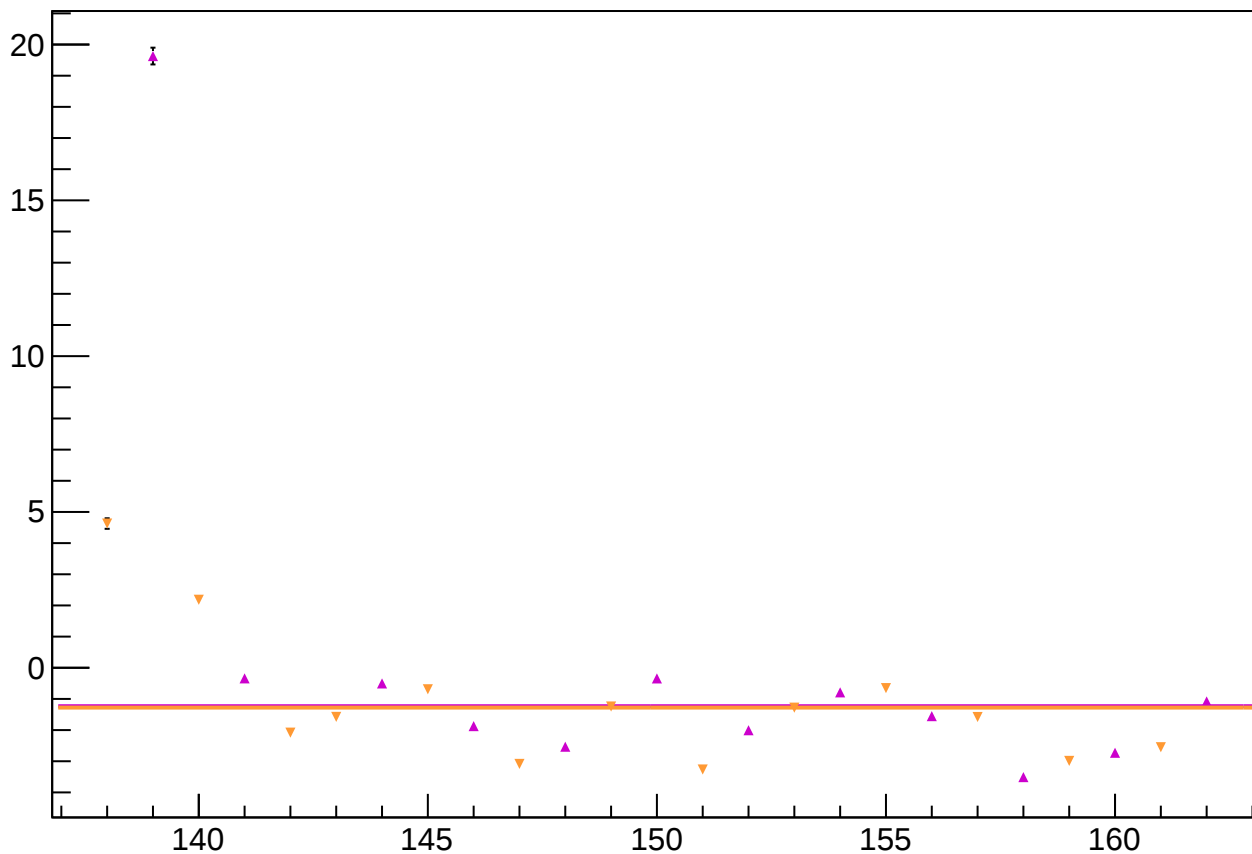
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.961+/-0.044 χ^2/NDF :3551.4/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.452+/-0.043 χ^2/NDF :4012.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 1.212+/-0.031 χ^2/NDF : 7628.6/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



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

Left Out: -1.278+/-0.031 χ^2/NDF : 3624.9/12

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

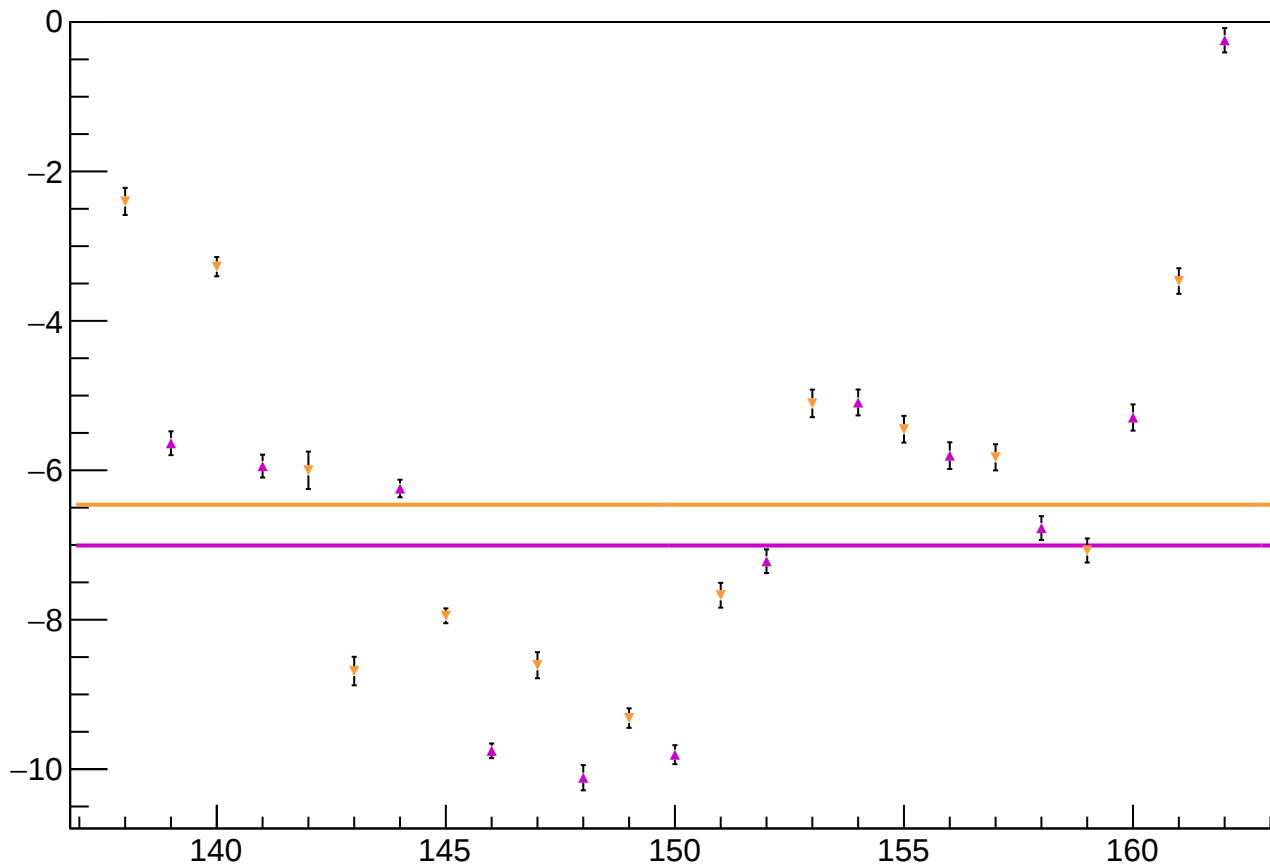
Left In: -1.234+/-0.030 χ^2/NDF : 7144.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1.255+/-0.021 χ^2/NDF : 10770.5/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

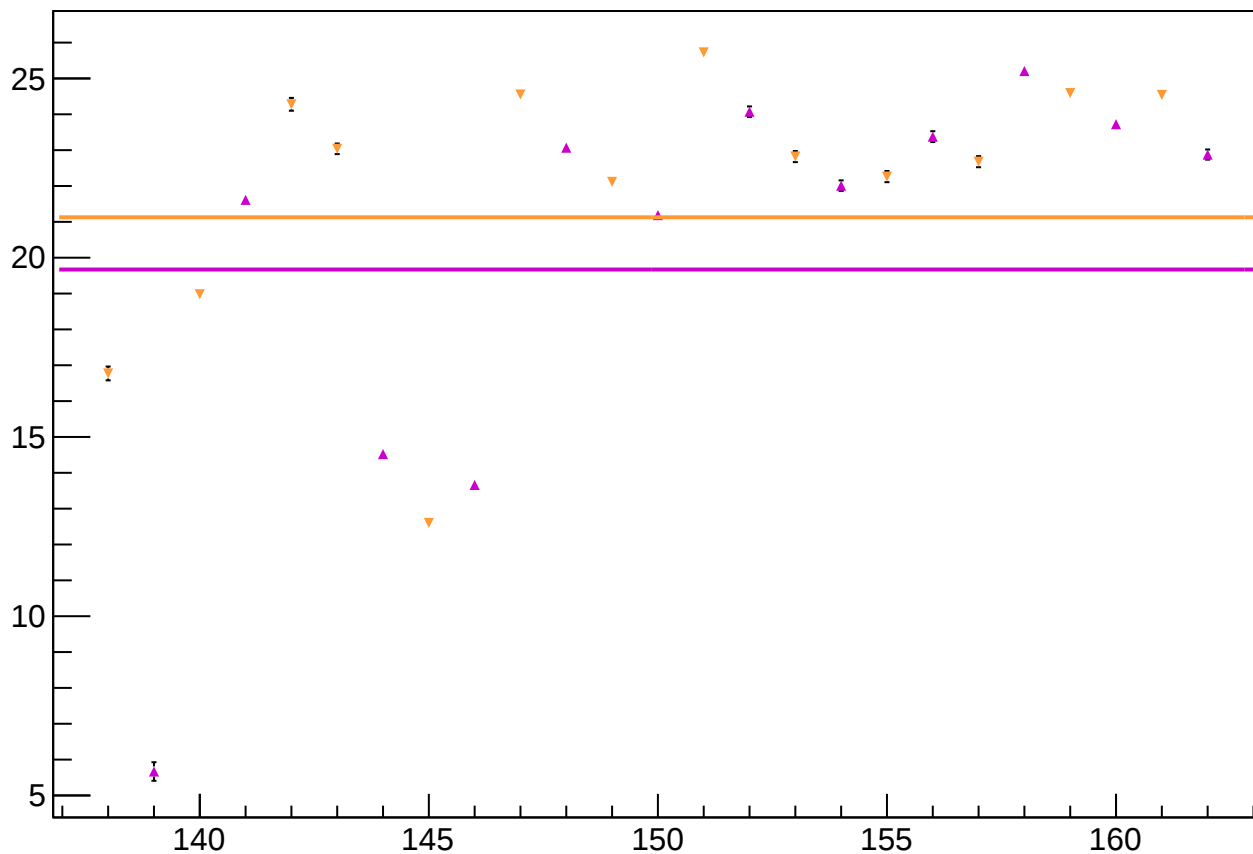
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.461+/-0.044 χ^2/NDF : 2572.3/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.006+/-0.042 χ^2/NDF : 3748.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -6.743+/-0.030 χ^2/NDF : 6402.5/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 21.127+/-0.036 χ^2/NDF :14404.7/12

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

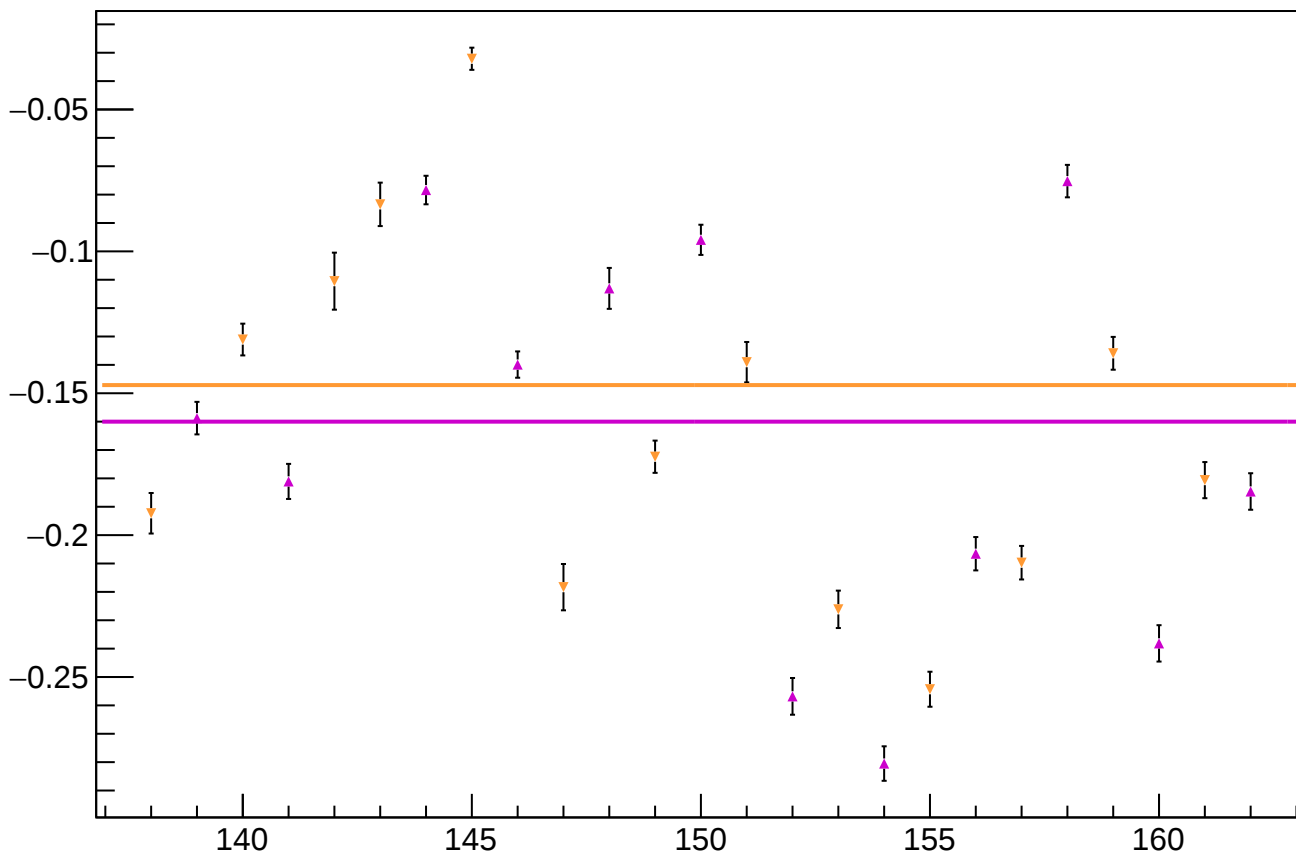
Left In: 19.670+/-0.035 χ^2/NDF :17623.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 20.376+/-0.025 χ^2/NDF : 32853.2/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

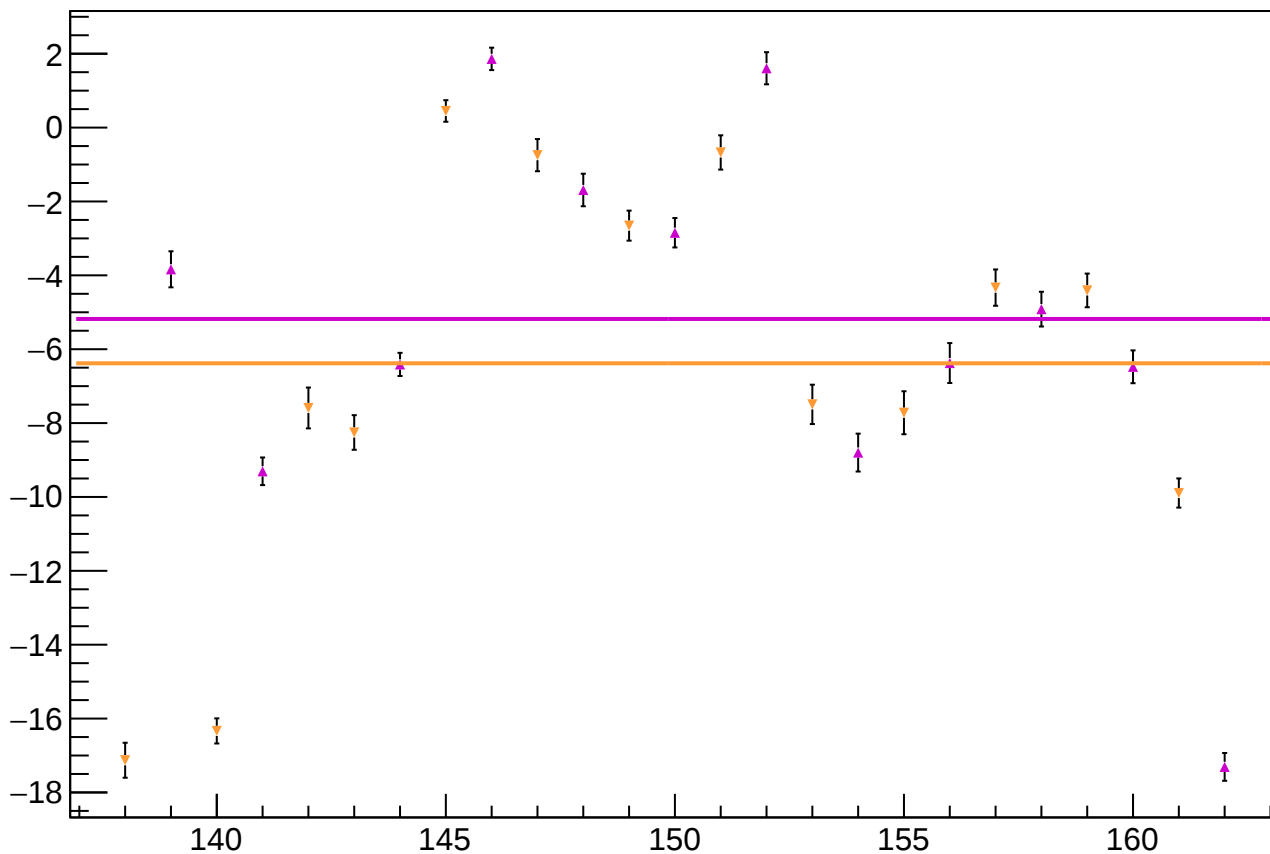
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.147+/-0.002 χ^2/NDF :1682.9/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.160+/-0.002 χ^2/NDF :1544.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -0.154+/-0.001 χ^2/NDF : 3256.0/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

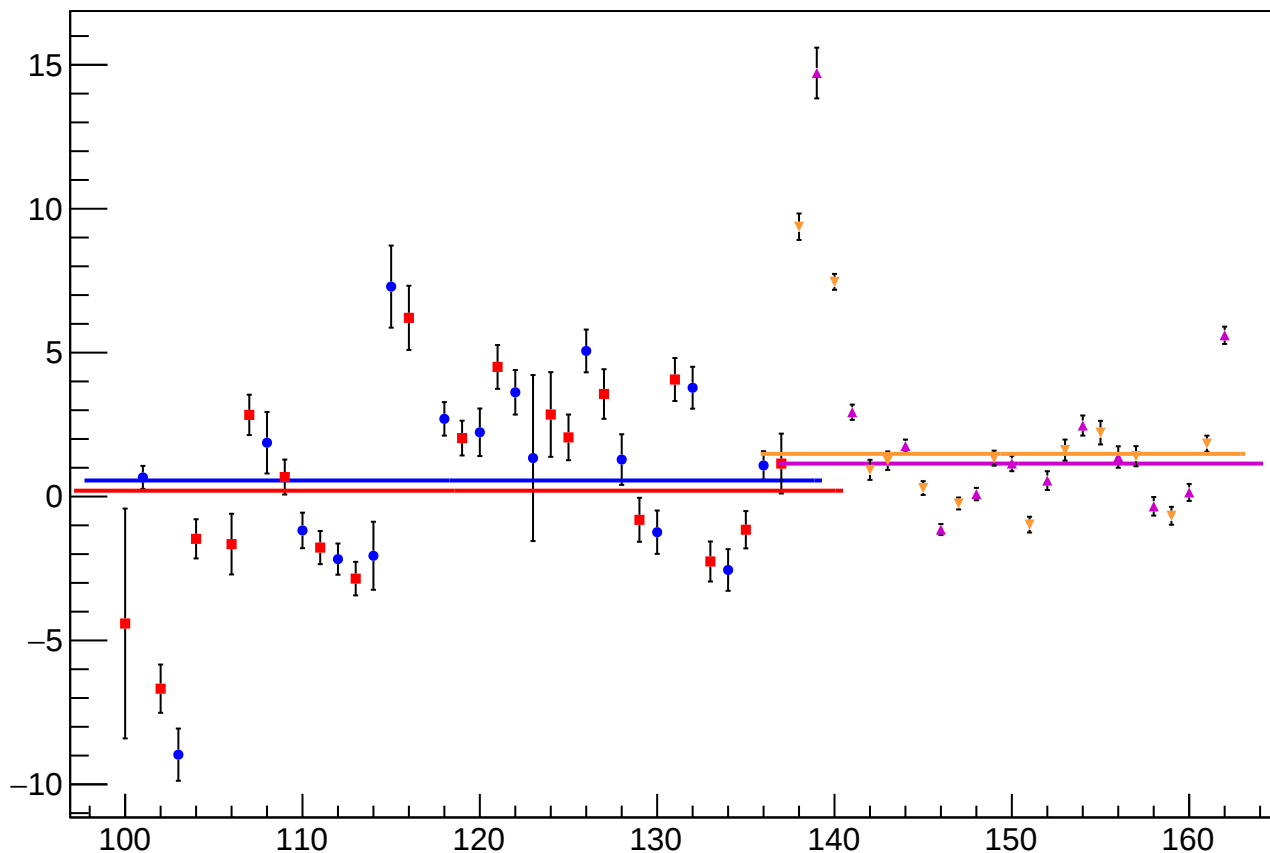
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.381+/-0.119 χ^2/NDF : 2467.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.181+/-0.117 χ^2/NDF : 2124.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -5.770+/-0.083 χ^2/NDF : 4643.9/24
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.483 ± 0.082 χ^2/NDF : 994.0/12

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

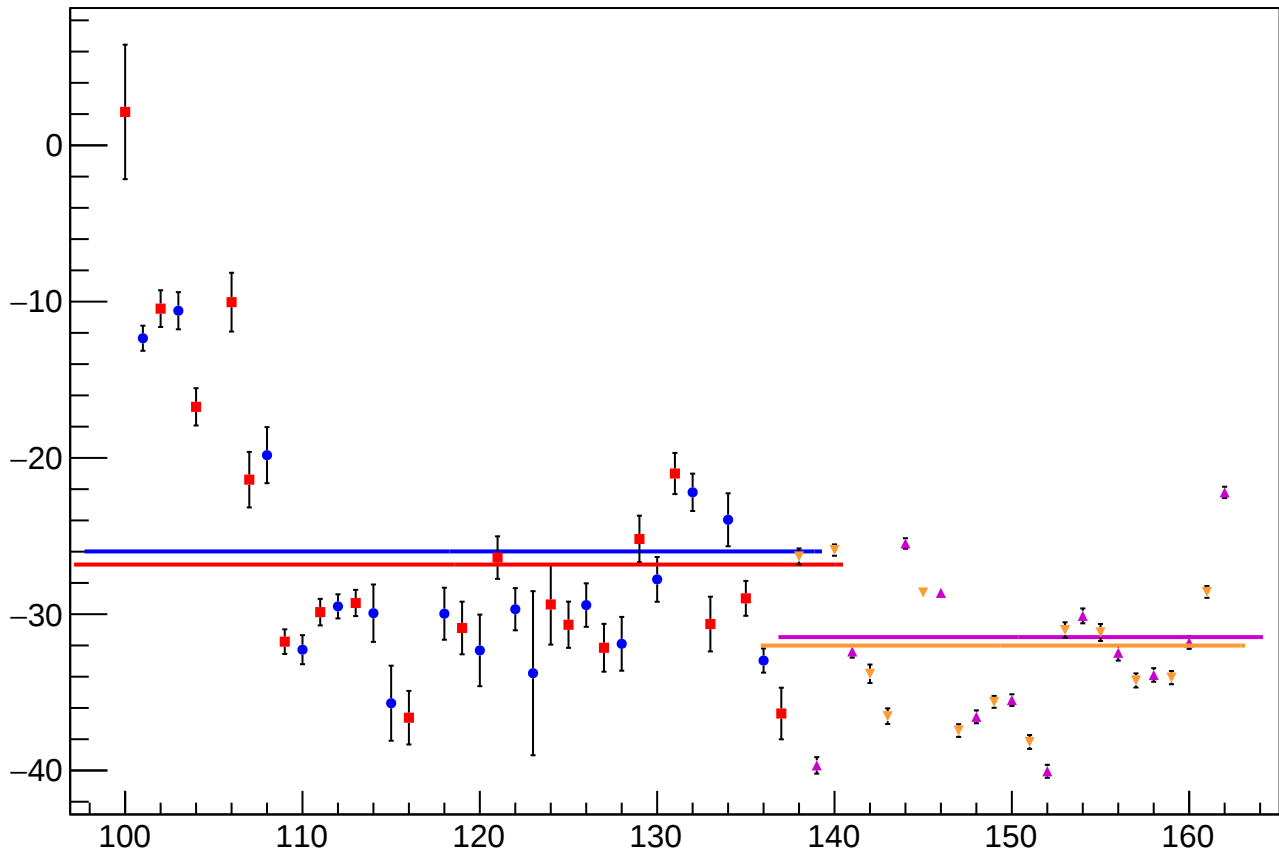
Left In: 1.145 ± 0.080 χ^2/NDF : 729.7/11

+ sign 1.309 ± 0.074 χ^2/NDF : 1305.9/29

All: 1.143 ± 0.052 χ^2/NDF : 2341.7/60

- sign 0.981 ± 0.073 χ^2/NDF : 1025.7/30

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -32.006 ± 0.118 χ^2/NDF : 1218.3/12

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

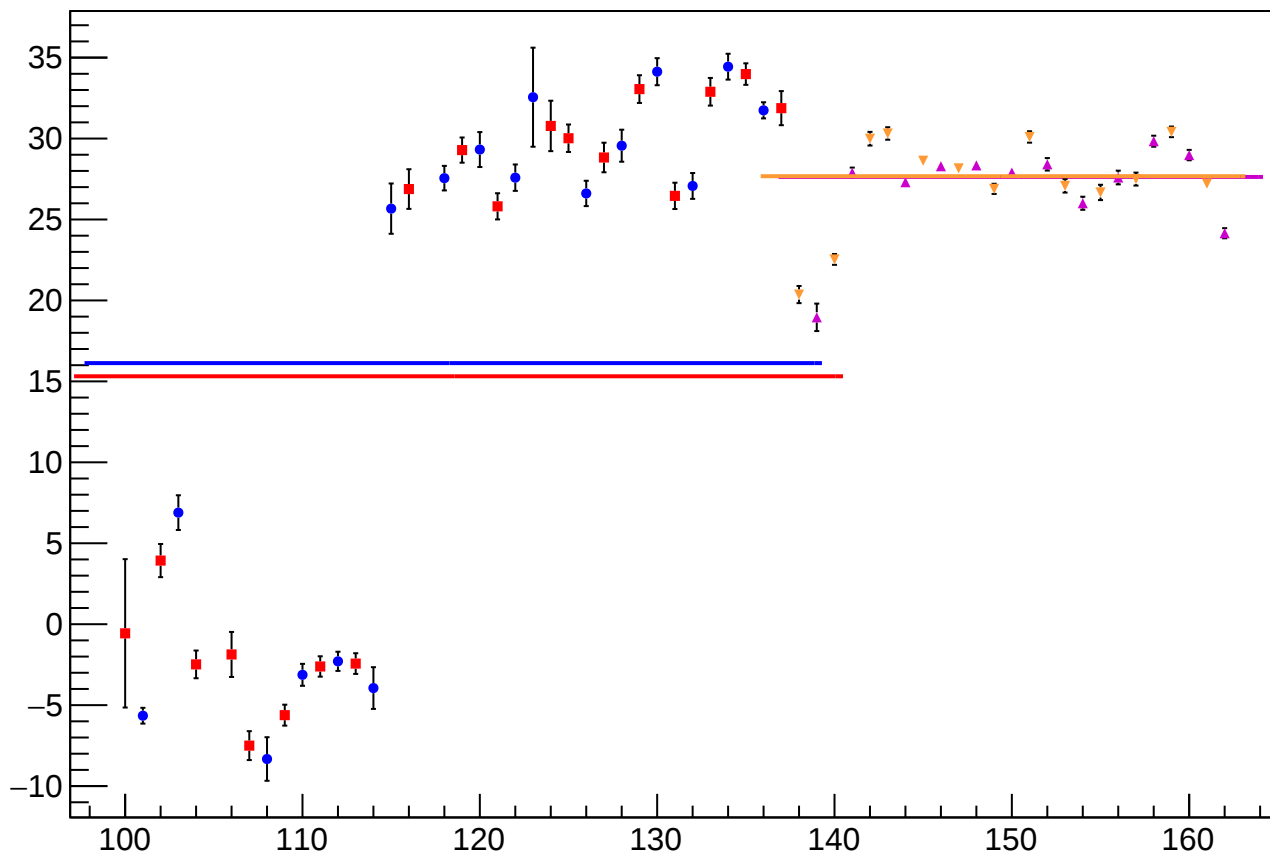
Left In: -31.466 ± 0.114 χ^2/NDF : 2050.4/11

+ sign -31.201 ± 0.110 χ^2/NDF : 2257.8/29

All: -31.030 ± 0.077 χ^2/NDF : 5106.3/60

- sign -30.869 ± 0.107 χ^2/NDF : 2843.8/30

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 27.673 $\pm$ 0.097 χ^2 /NDF:650.9/12

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

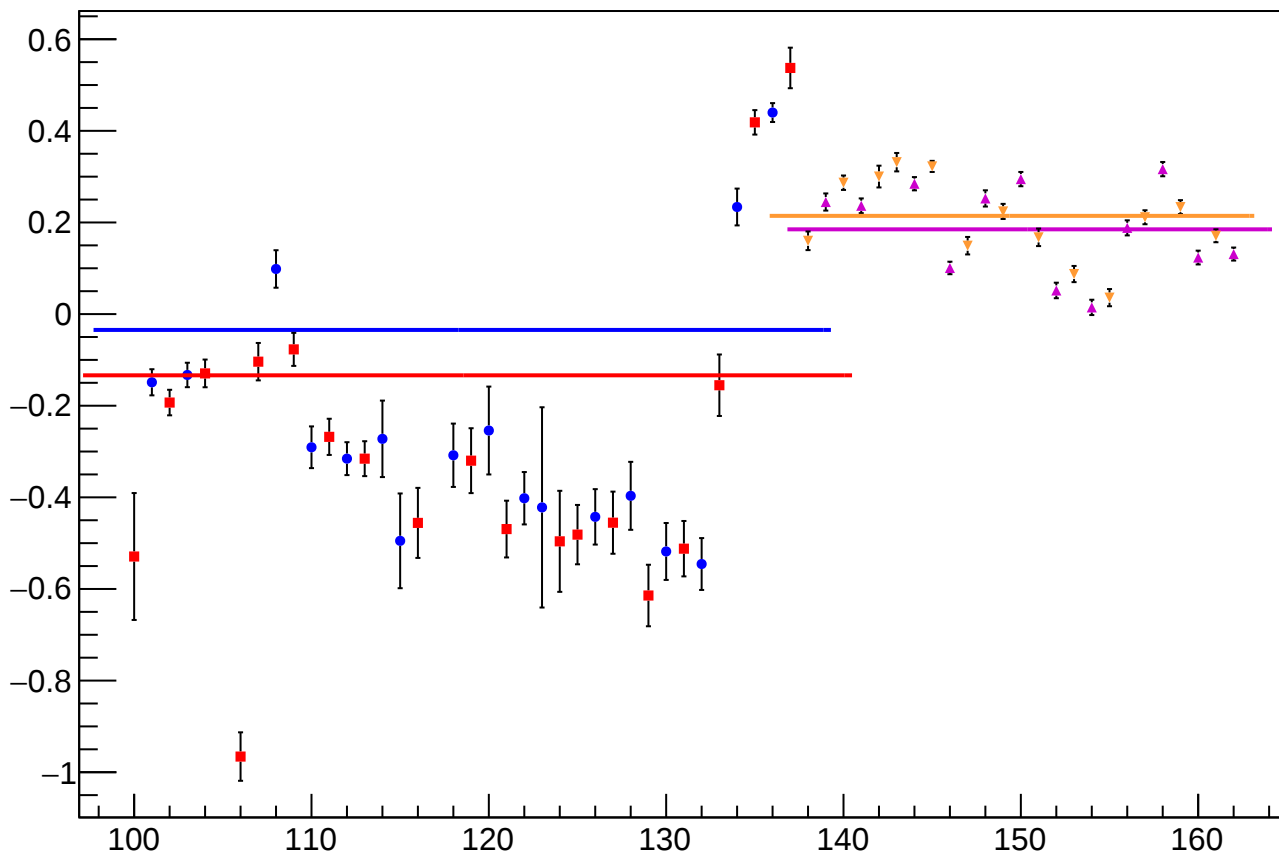
Left In: 27.628 $\pm$ 0.095 χ^2 /NDF:324.5/11

+ sign 25.316 $\pm$ 0.087 χ^2 /NDF: 11098.8/29

All: 25.315 $\pm$ 0.061 χ^2 /NDF: 21873.1/60

- sign 25.314 $\pm$ 0.085 χ^2 /NDF: 10774.4/30

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035 ± 0.010 $\chi^2/\text{NDF}: 1011.6/16$

Left Out: 0.214 ± 0.005 $\chi^2/\text{NDF}: 325.6/12$

Right Out: -0.134 ± 0.010 $\chi^2/\text{NDF}: 1161.9/18$

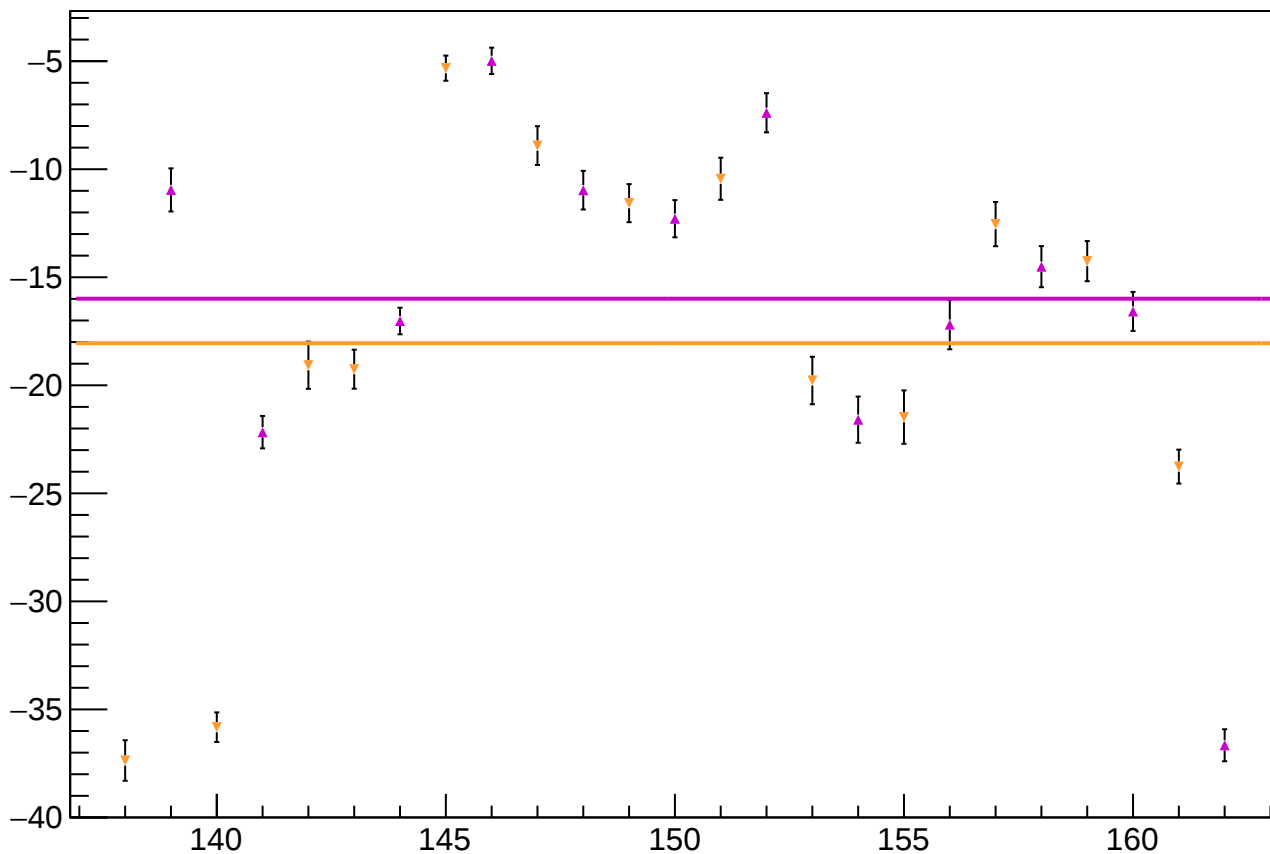
Left In: 0.185 ± 0.005 $\chi^2/\text{NDF}: 437.4/11$

+ sign 0.173 ± 0.004 $\chi^2/\text{NDF}: 1820.3/29$

All: 0.153 ± 0.003 $\chi^2/\text{NDF}: 4253.8/60$

- sign 0.134 ± 0.004 $\chi^2/\text{NDF}: 2390.5/30$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -18.053+/-0.242 χ^2/NDF : 1905.6/12

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

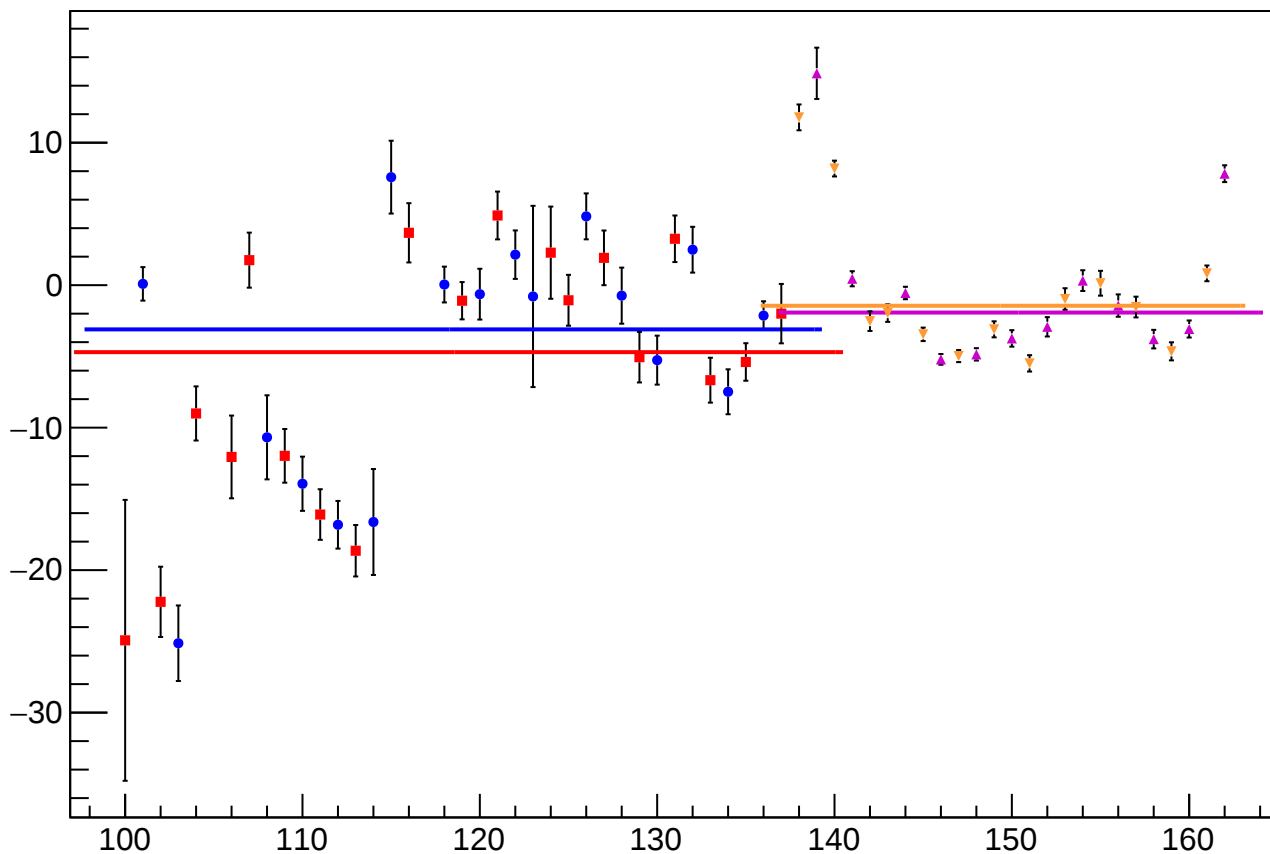
Left In: -15.992+/-0.237 χ^2/NDF : 1371.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -17.003+/-0.169 χ^2/NDF : 3314.1/24

- 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: -1.445 ± 0.166 χ^2/NDF : 707.8/12

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

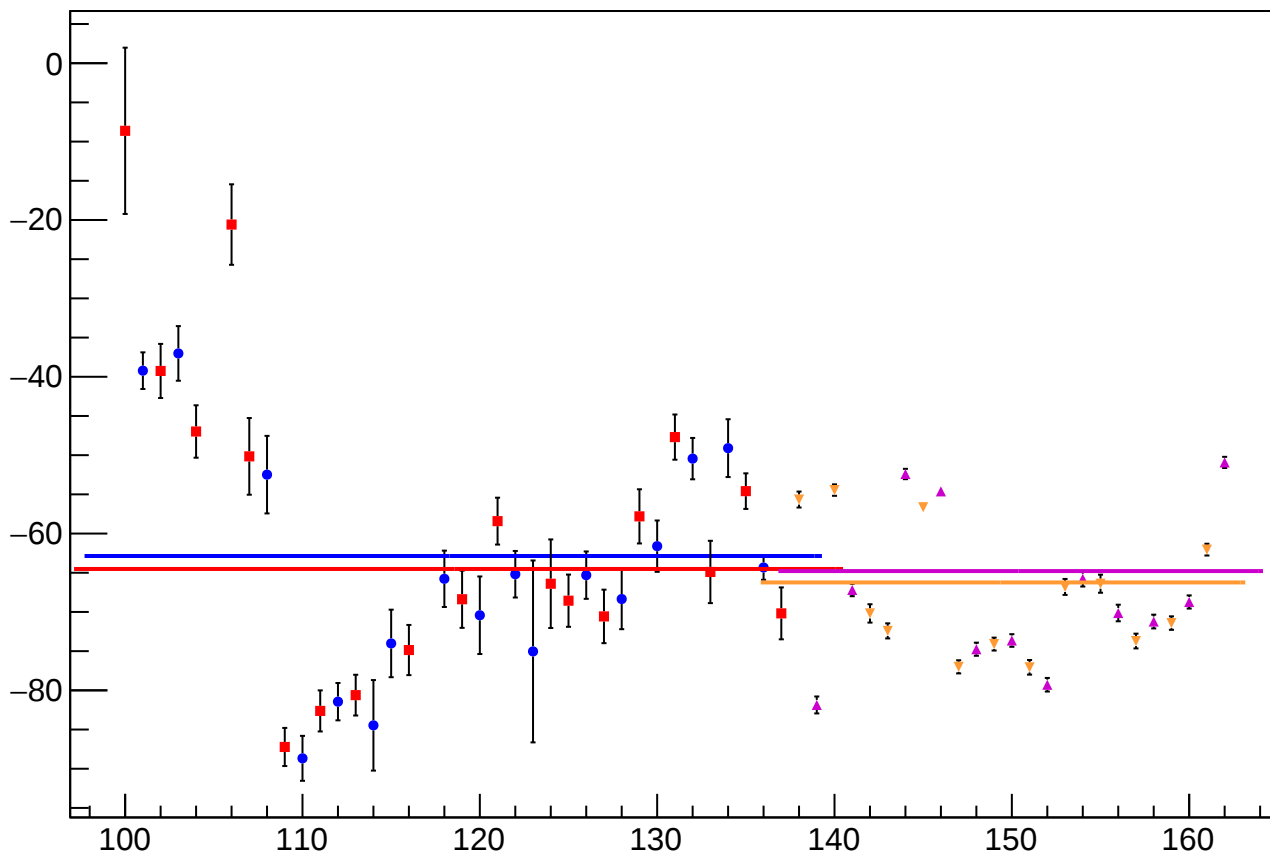
Left In: -1.922 ± 0.162 χ^2/NDF : 544.8/11

+ sign -1.679 ± 0.154 χ^2/NDF : 1000.9/29

All: -1.981 ± 0.108 χ^2/NDF : 1887.9/60

- sign -2.273 ± 0.152 χ^2/NDF : 879.5/30

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -66.236 ± 0.240 χ^2/NDF : 1184.6/12

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

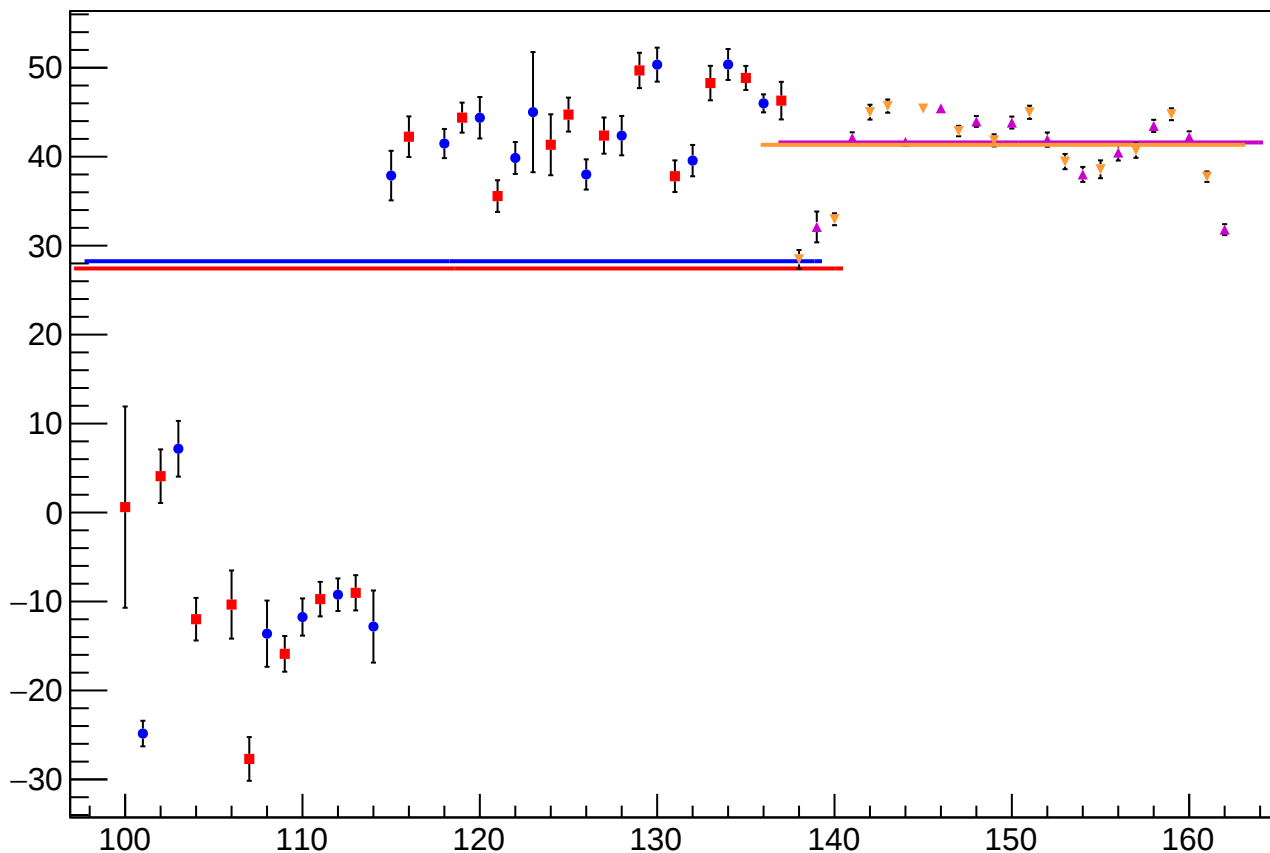
Left In: -64.786 ± 0.232 χ^2/NDF : 1934.8/11

+ sign -65.914 ± 0.229 χ^2/NDF : 1572.1/29

All: -65.321 ± 0.159 χ^2/NDF : 3964.4/60

- sign -64.762 ± 0.222 χ^2/NDF : 2379.2/30

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 ± 0.460 $\chi^2/\text{NDF}: 3319.5/16$

Left Out: 41.336 ± 0.198 $\chi^2/\text{NDF}: 523.7/12$

Right Out: 27.435 ± 0.479 $\chi^2/\text{NDF}: 3032.4/18$

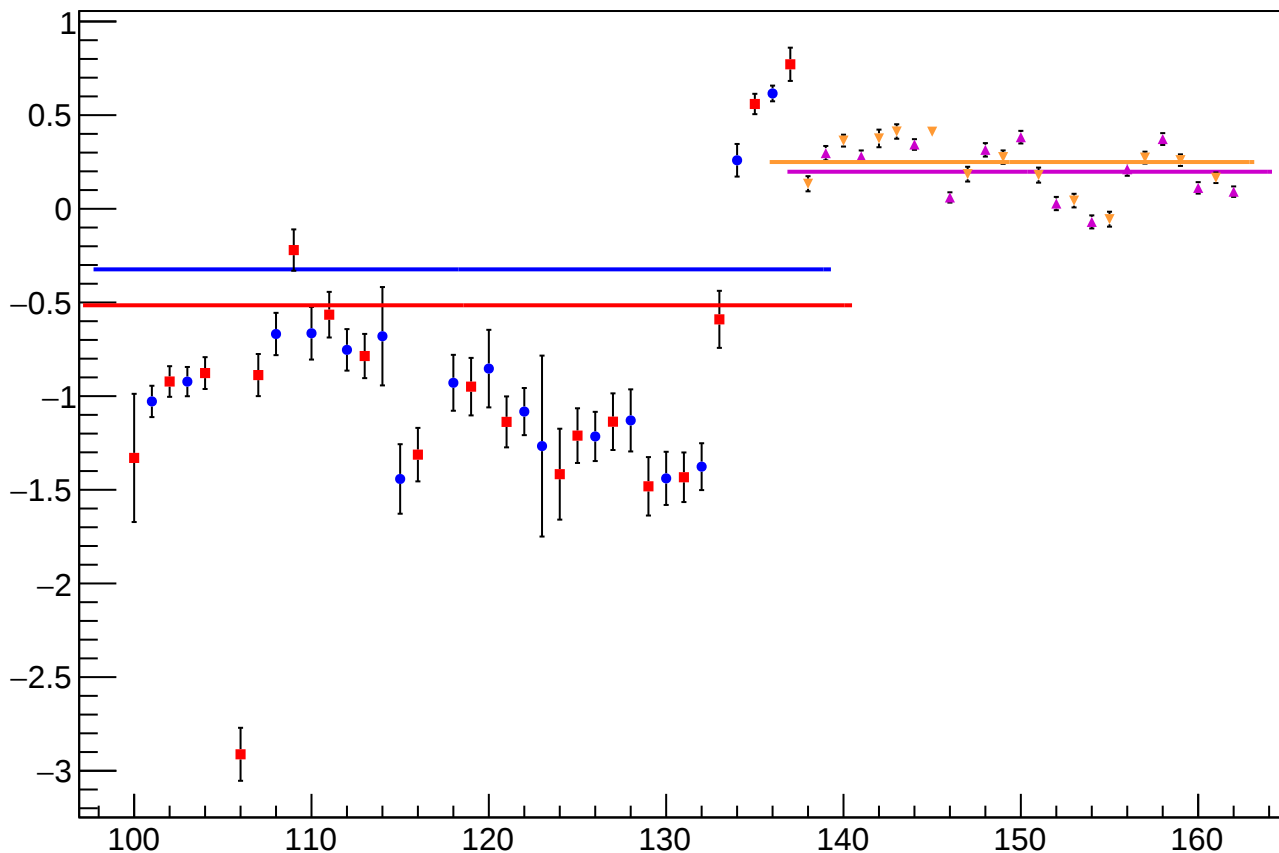
Left In: 41.601 ± 0.192 $\chi^2/\text{NDF}: 403.9/11$

+ sign 39.292 ± 0.182 $\chi^2/\text{NDF}: 4525.7/29$

All: 39.469 ± 0.127 $\chi^2/\text{NDF}: 8718.2/60$

- sign 39.639 ± 0.178 $\chi^2/\text{NDF}: 4190.6/30$

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.250 ± 0.009 χ^2/NDF : 197.2/12

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

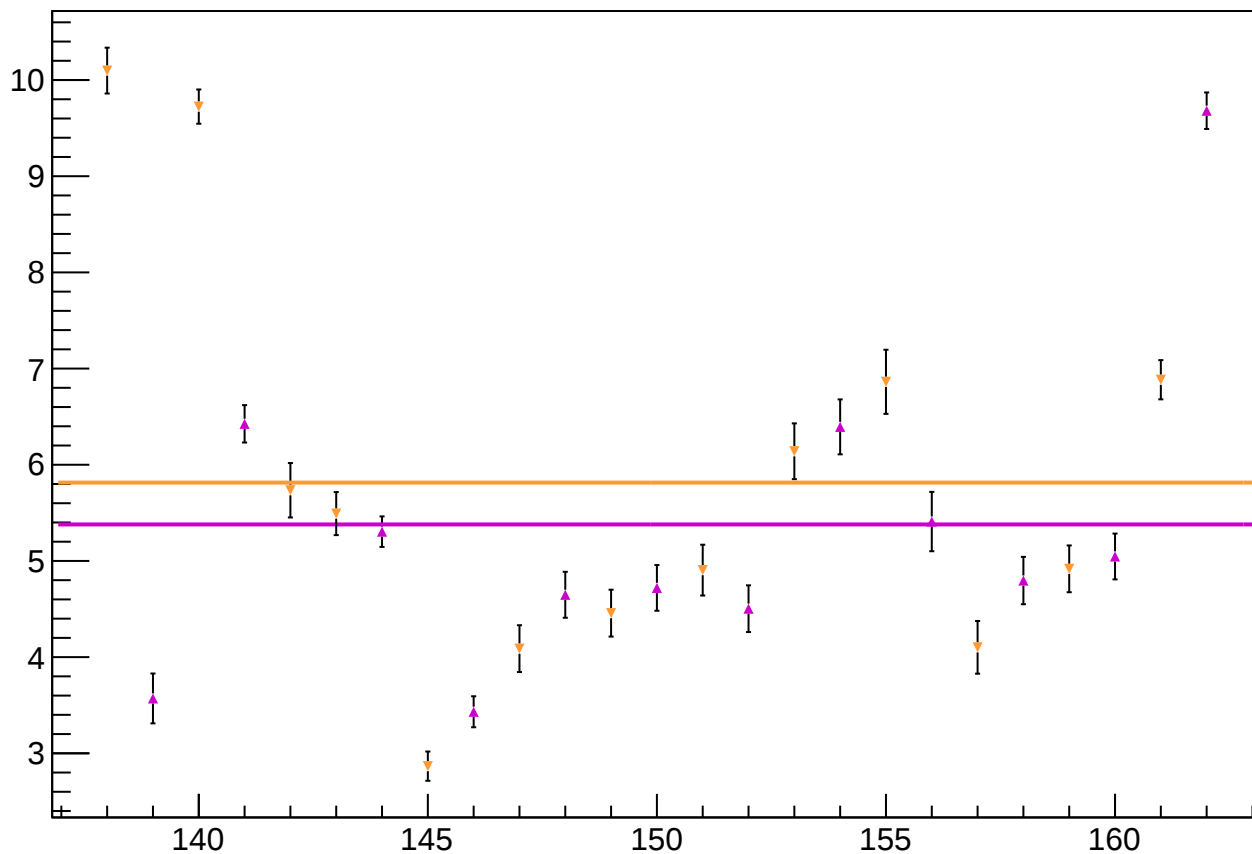
Left In: 0.198 ± 0.009 χ^2/NDF : 239.9/11

+ sign 0.178 ± 0.009 χ^2/NDF : 1668.9/29

All: 0.146 ± 0.006 χ^2/NDF : 3772.5/60

- sign 0.116 ± 0.009 χ^2/NDF : 2079.1/30

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



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

Left Out: 5.815+/-0.063 χ^2/NDF :1367.5/12

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

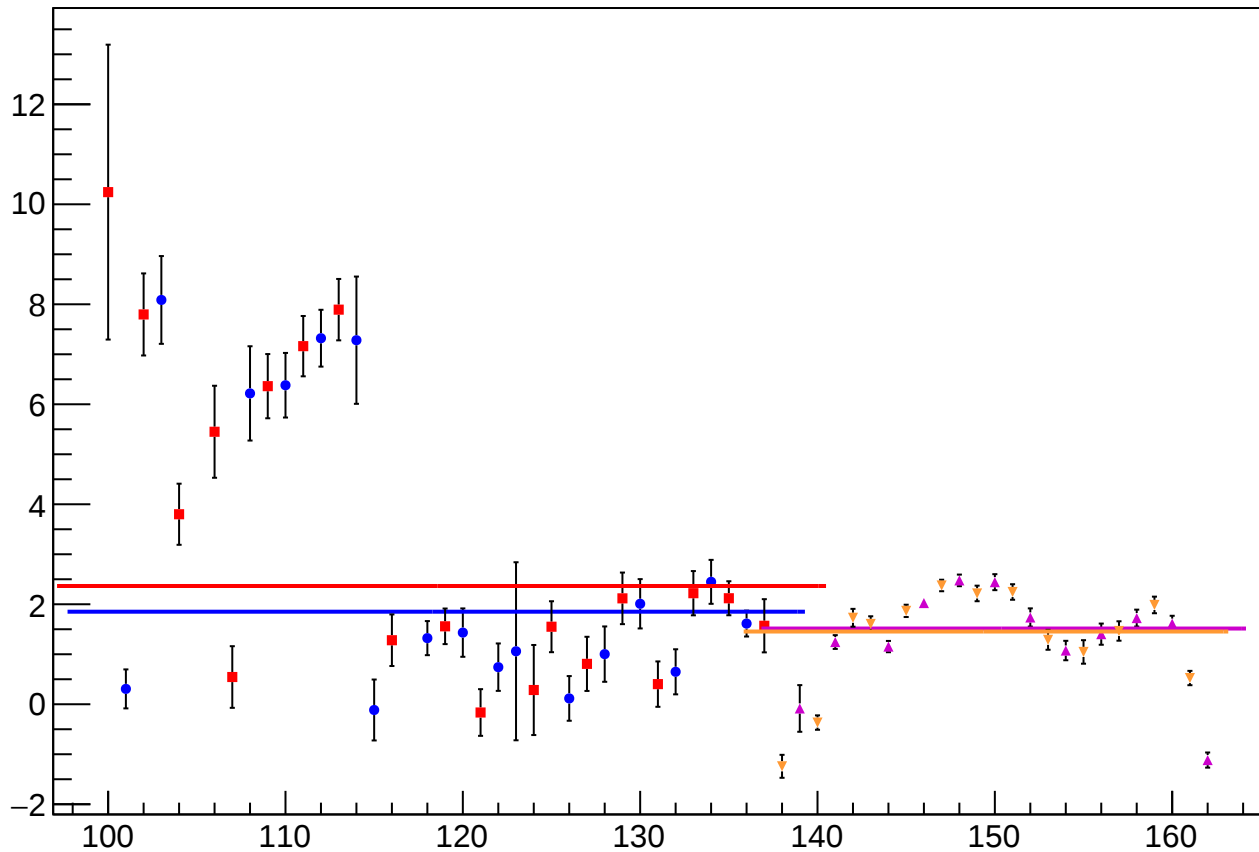
Left In: 5.379+/-0.062 χ^2/NDF :787.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 5.593+/-0.045 χ^2/NDF : 2178.9/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.455 ± 0.044 χ^2/NDF : 481.6/12

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

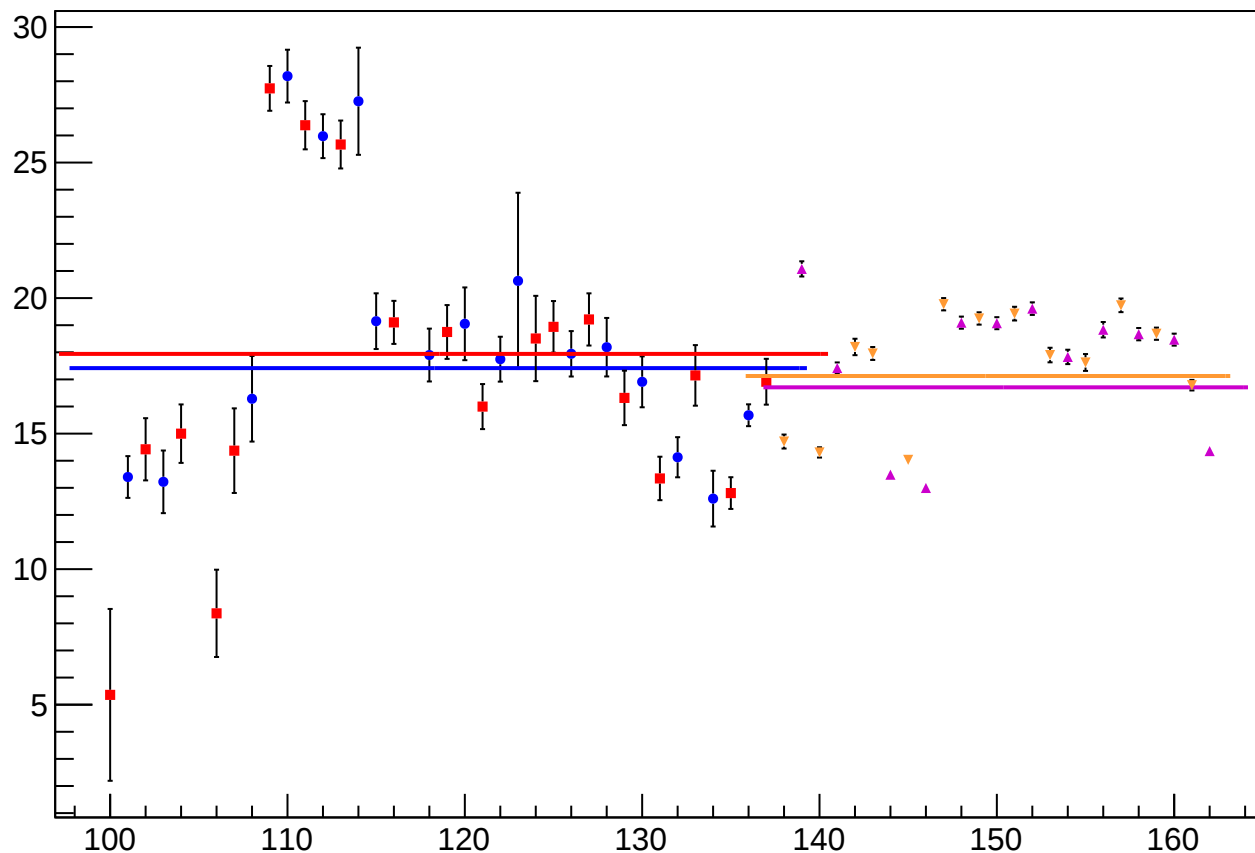
Left In: 1.514 ± 0.043 χ^2/NDF : 466.2/11

+ sign 1.503 ± 0.041 χ^2/NDF : 785.8/29

All: 1.556 ± 0.029 χ^2/NDF : 1634.5/60

- sign 1.606 ± 0.040 χ^2/NDF : 845.5/30

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 ± 0.213 χ^2/NDF : 367.0/16

Left Out: 17.126 ± 0.063 χ^2/NDF : 1173.5/12

Right Out: 17.941 ± 0.219 χ^2/NDF : 505.6/18

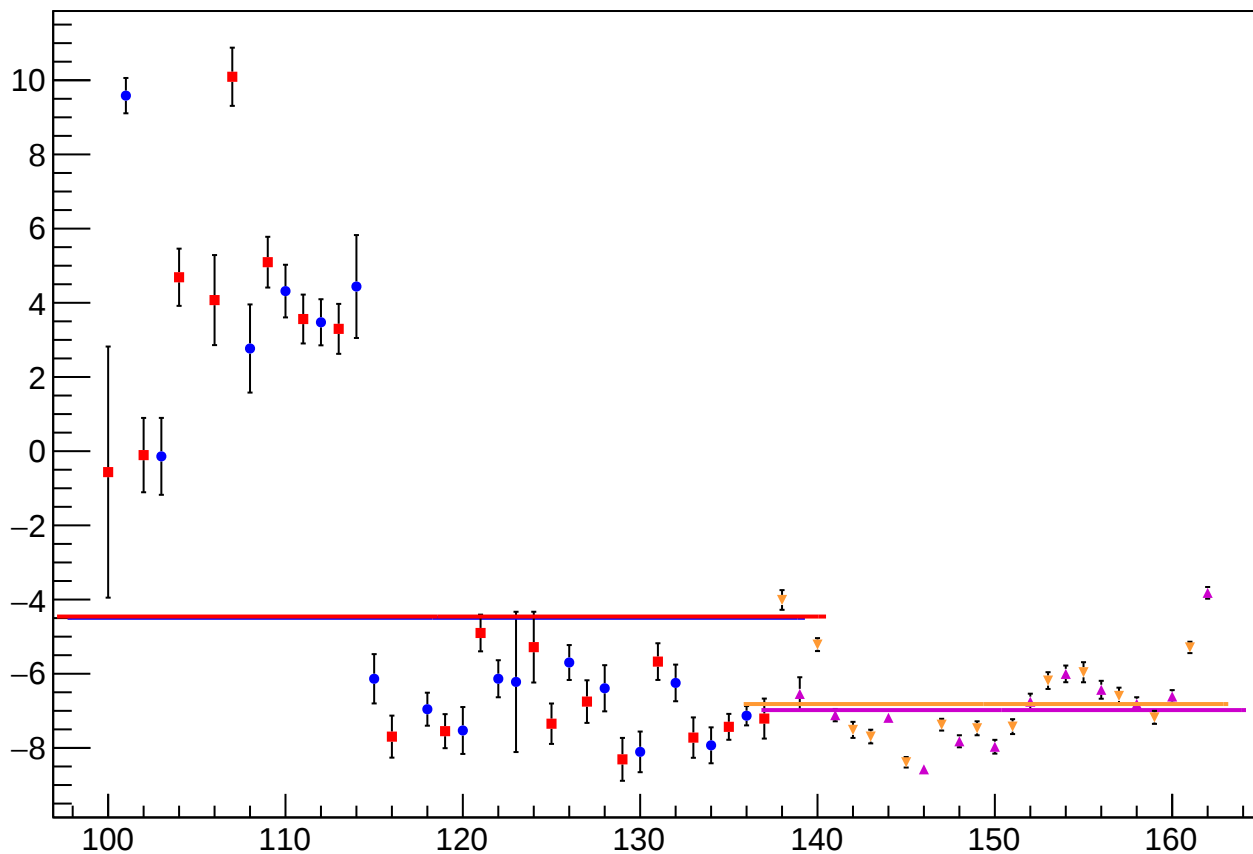
Left In: 16.708 ± 0.061 χ^2/NDF : 1949.7/11

+ sign 17.149 ± 0.061 χ^2/NDF : 1542.3/29

All: 16.968 ± 0.042 χ^2/NDF : 4044.3/60

- sign 16.797 ± 0.059 χ^2/NDF : 2484.7/30

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: -6.817 ± 0.052 χ^2/NDF : 506.8/12

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

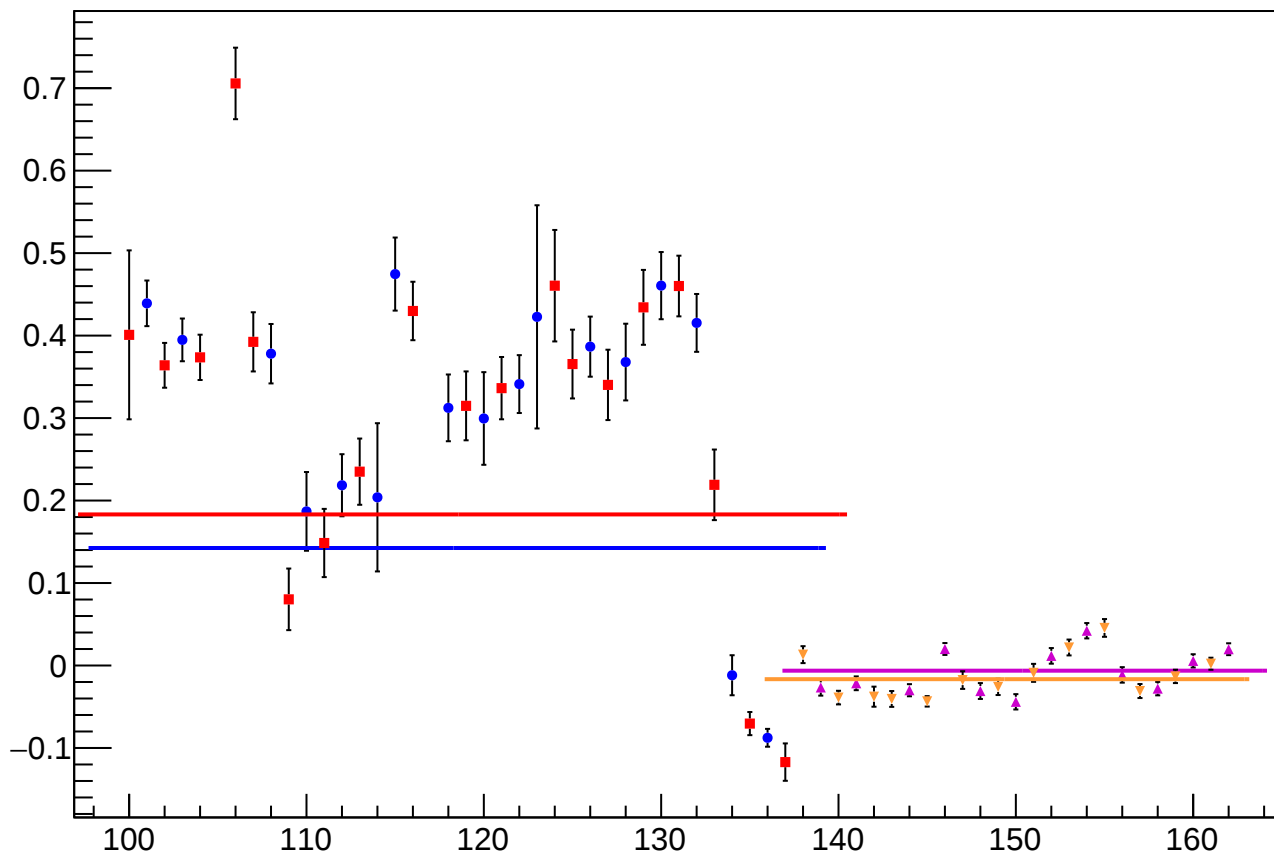
Left In: -6.980 ± 0.050 χ^2/NDF : 656.6/11

+ sign -6.497 ± 0.048 χ^2/NDF : 2366.2/29

All: -6.590 ± 0.034 χ^2/NDF : 4667.3/60

- sign -6.679 ± 0.047 χ^2/NDF : 2293.9/30

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.017 ± 0.002 χ^2/NDF : 103.2/12

Right Out: 0.183 ± 0.007 χ^2/NDF : 1000.9/18

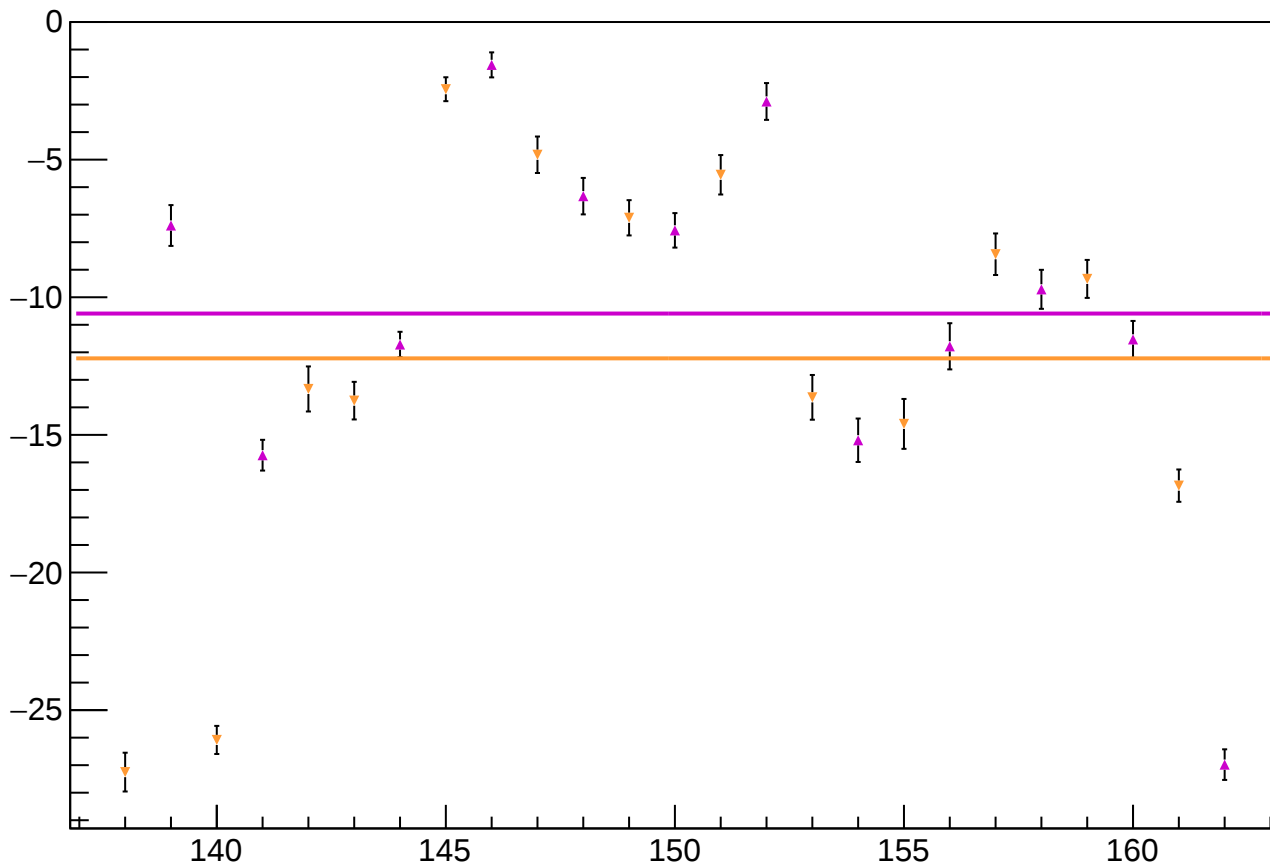
Left In: -0.006 ± 0.002 χ^2/NDF : 107.5/11

+ sign 0.001 ± 0.002 χ^2/NDF : 1612.3/29

All: 0.007 ± 0.002 χ^2/NDF : 3322.4/60

- sign 0.012 ± 0.002 χ^2/NDF : 1698.5/30

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -12.220+/-0.180 χ^2/NDF : 2095.9/12

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

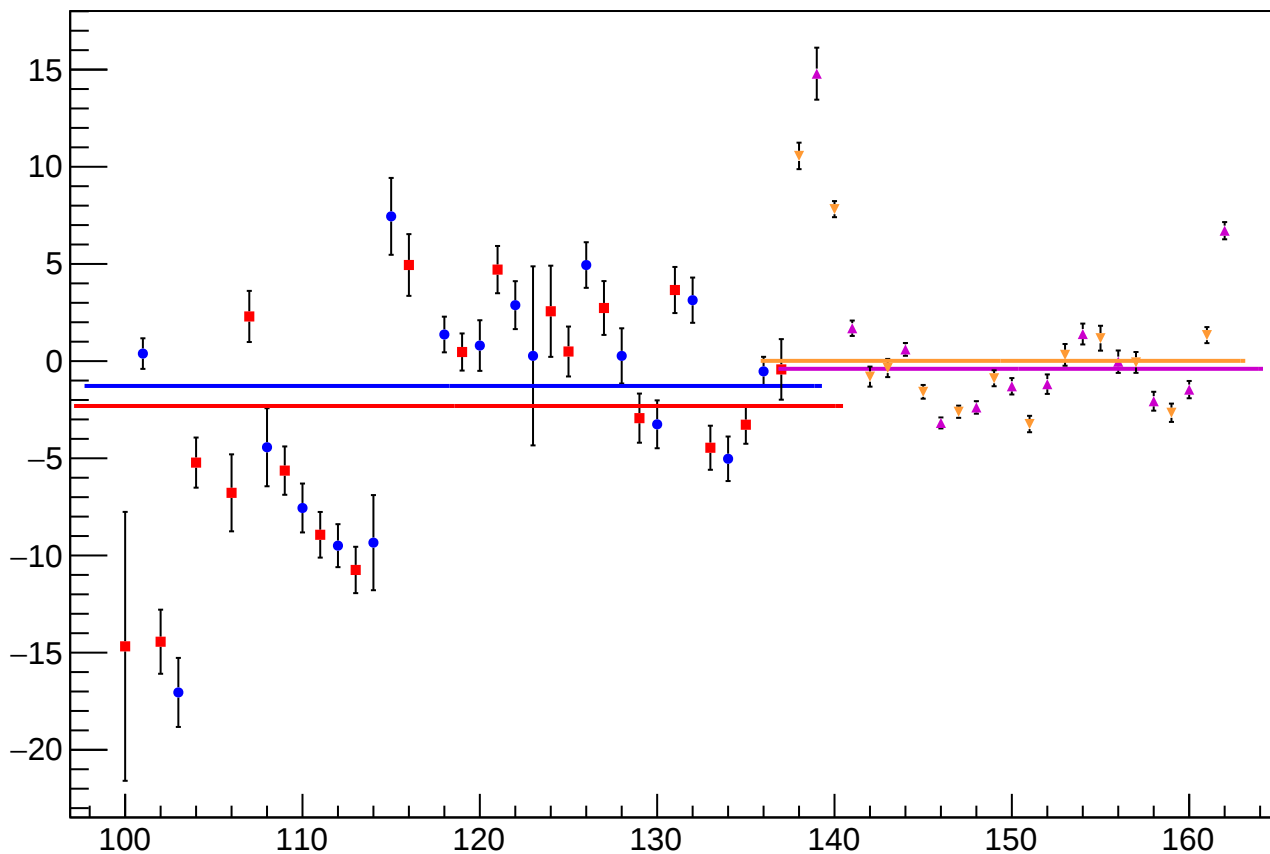
Left In: -10.592+/-0.177 χ^2/NDF : 1610.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -11.391+/-0.126 χ^2/NDF : 3748.4/24

- 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: 0.014 ± 0.124 χ^2/NDF : 798.0/12

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

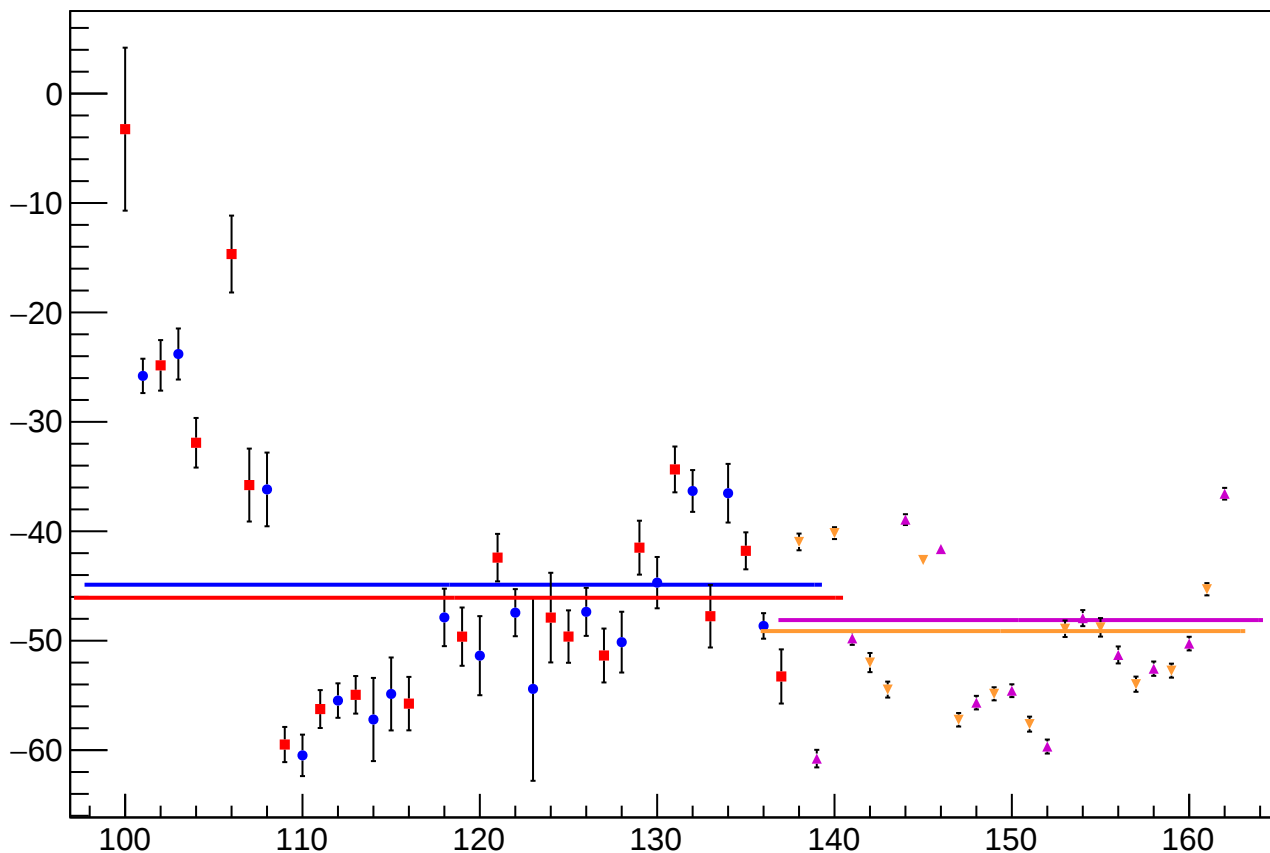
Left In: -0.396 ± 0.121 χ^2/NDF : 594.2/11

+ sign -0.182 ± 0.114 χ^2/NDF : 1091.1/29

All: -0.424 ± 0.080 χ^2/NDF : 2014.0/60

- sign -0.659 ± 0.112 χ^2/NDF : 914.0/30

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -49.122 ± 0.179 χ^2/NDF : 1193.1/12

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

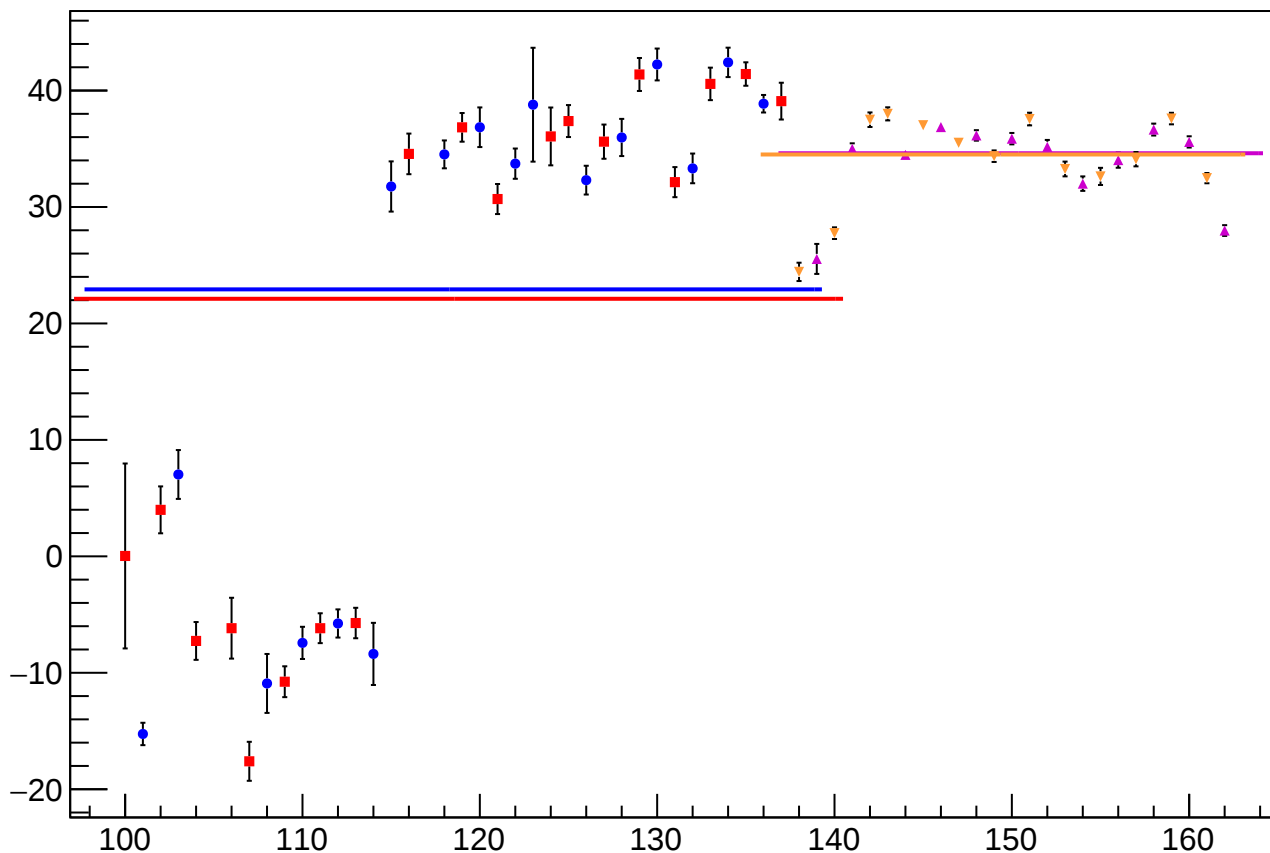
Left In: -48.116 ± 0.173 χ^2/NDF : 1957.1/11

+ sign -48.681 ± 0.169 χ^2/NDF : 1672.6/29

All: -48.289 ± 0.118 χ^2/NDF : 4107.9/60

- sign -47.919 ± 0.164 χ^2/NDF : 2424.9/30

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 34.509 $\pm$ 0.147 χ^2 /NDF: 552.6/12

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

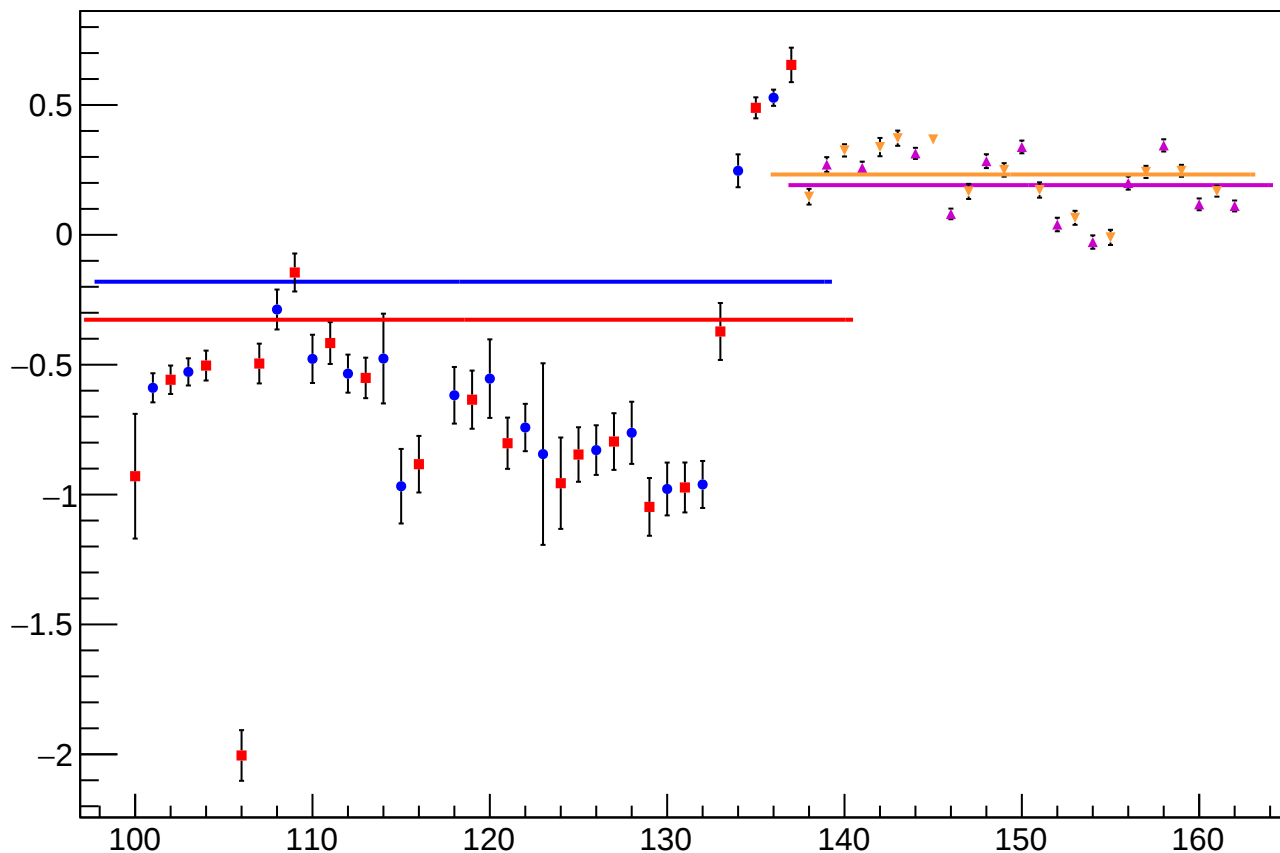
Left In: 34.616 $\pm$ 0.143 χ^2 /NDF: 354.2/11

+ sign 32.573 $\pm$ 0.134 χ^2 /NDF: 5921.0/29

All: 32.659 $\pm$ 0.094 χ^2 /NDF: 11458.5/60

- sign 32.742 $\pm$ 0.132 χ^2 /NDF: 5536.7/30

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.232 ± 0.007 χ^2/NDF : 237.2/12

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

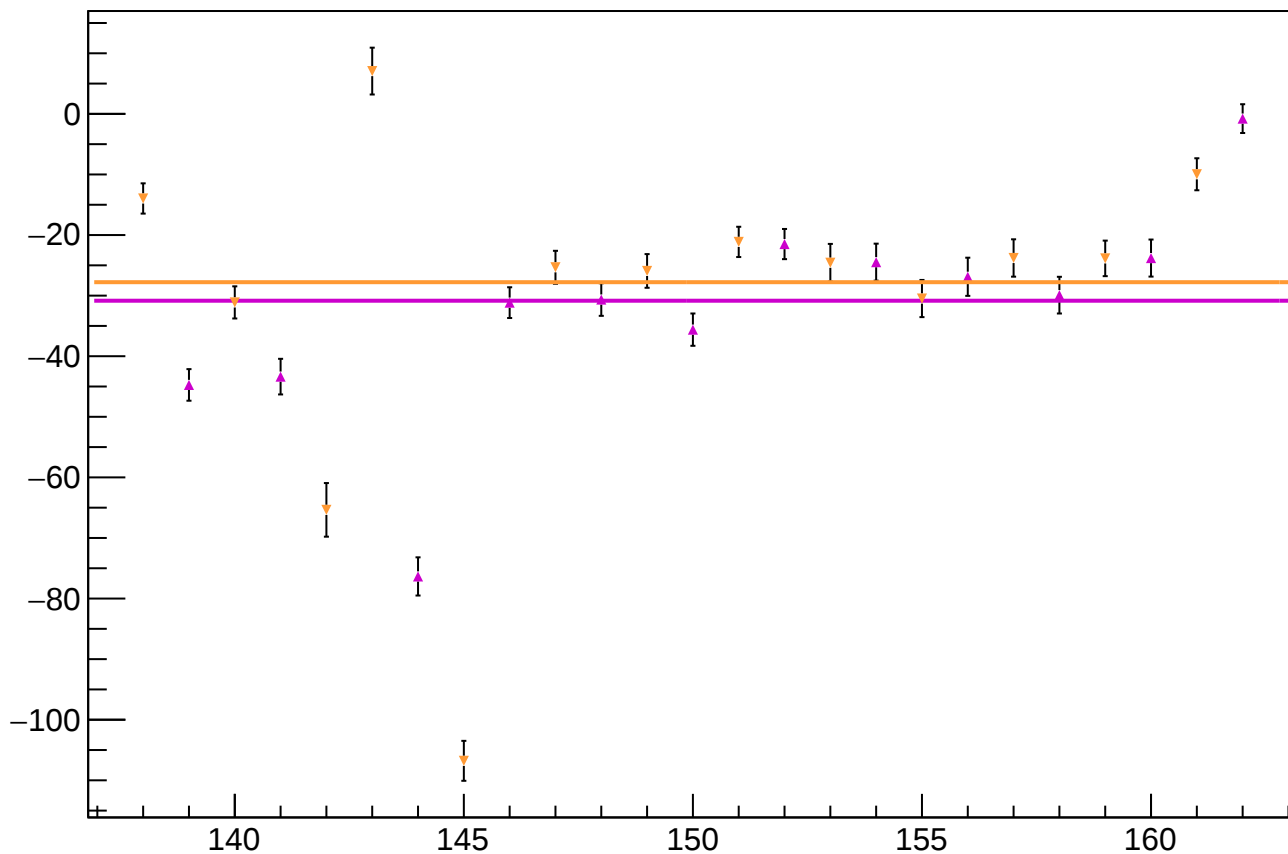
Left In: 0.191 ± 0.007 χ^2/NDF : 299.5/11

+ sign 0.177 ± 0.007 χ^2/NDF : 1699.8/29

All: 0.151 ± 0.005 χ^2/NDF : 3914.1/60

- sign 0.127 ± 0.006 χ^2/NDF : 2184.8/30

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -27.781+/-0.813 χ^2/NDF : 819.1/12

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

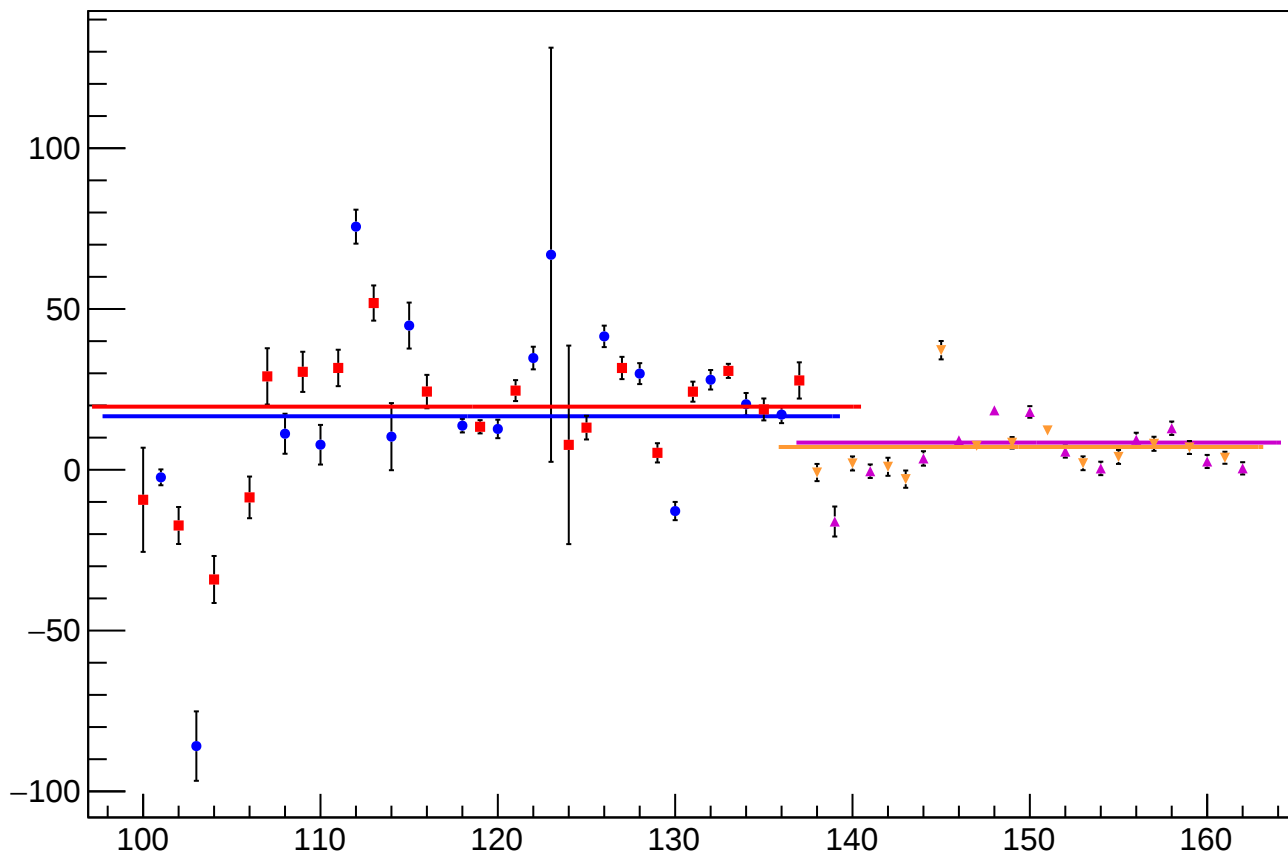
Left In: -30.840+/-0.801 χ^2/NDF : 443.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -29.334+/-0.571 χ^2/NDF : 1269.9/24

- 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: 7.087 ± 0.549 χ^2/NDF : 168.7/12

Right Out: 19.632 ± 0.896 χ^2/NDF : 241.7/18

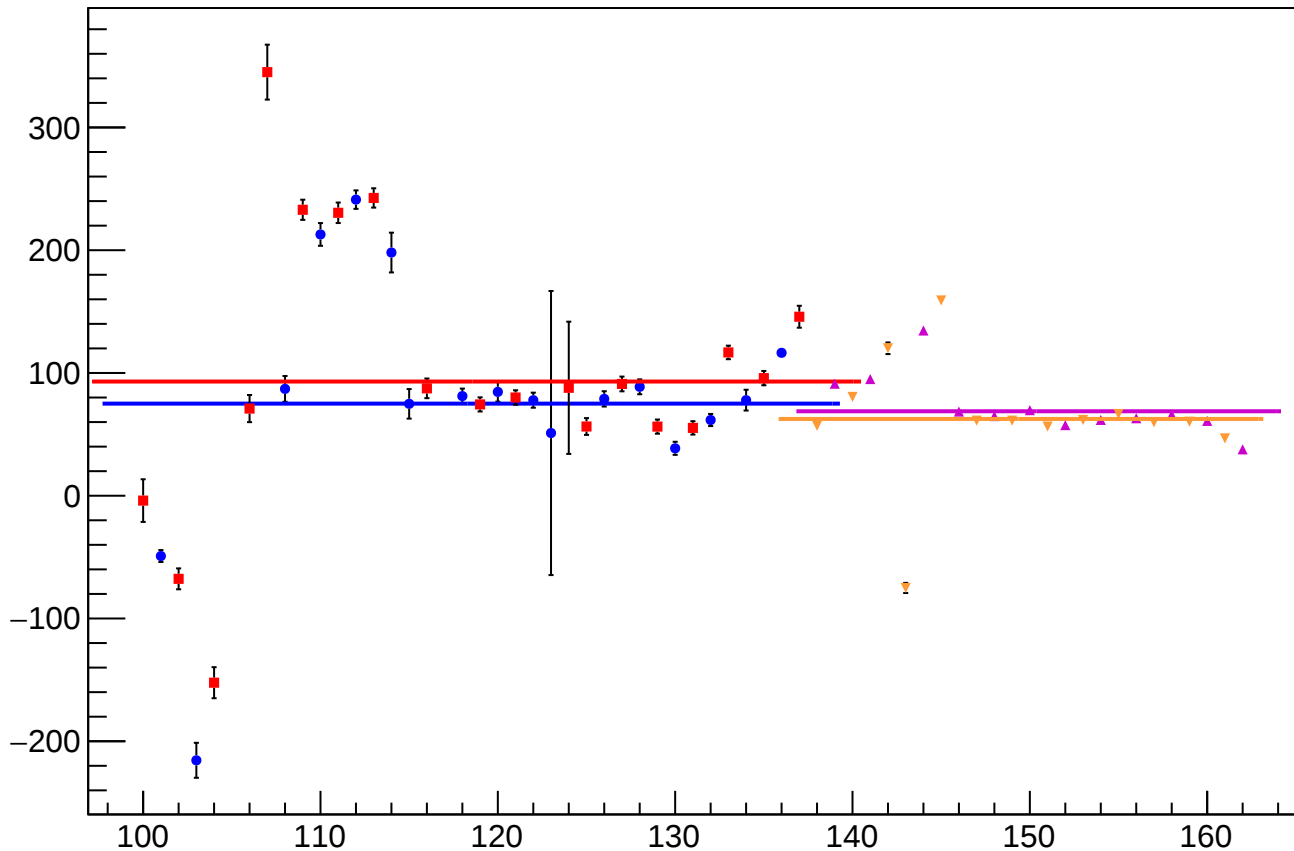
Left In: 8.459 ± 0.552 χ^2/NDF : 184.8/11

+ sign 9.861 ± 0.463 χ^2/NDF : 775.5/29

All: 10.683 ± 0.330 χ^2/NDF : 1321.0/60

- sign 11.532 ± 0.470 χ^2/NDF : 539.1/30

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 62.548 $\pm$ 0.794 χ^2 /NDF: 2151.0/12

Right Out: 93.028 $\pm$ 1.711 χ^2 /NDF: 2003.6/18

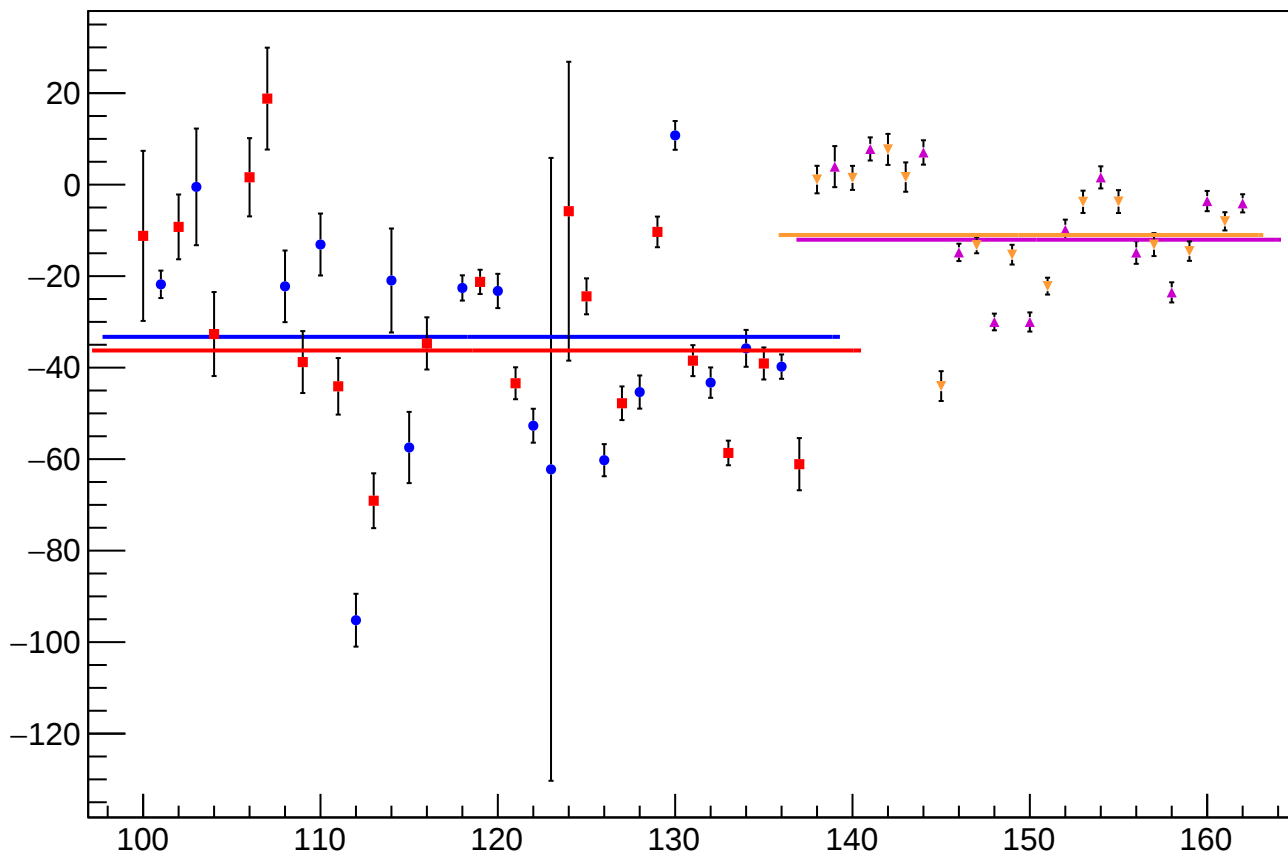
Left In: 68.807 $\pm$ 0.776 χ^2 /NDF: 741.6/11

+ sign 64.904 $\pm$ 0.715 χ^2 /NDF: 4197.3/29

All: 68.969 $\pm$ 0.503 χ^2 /NDF: 7172.5/60

- sign 72.933 $\pm$ 0.706 χ^2 /NDF: 2911.4/30

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -11.001 ± 0.657 χ^2/NDF : 252.8/12

Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

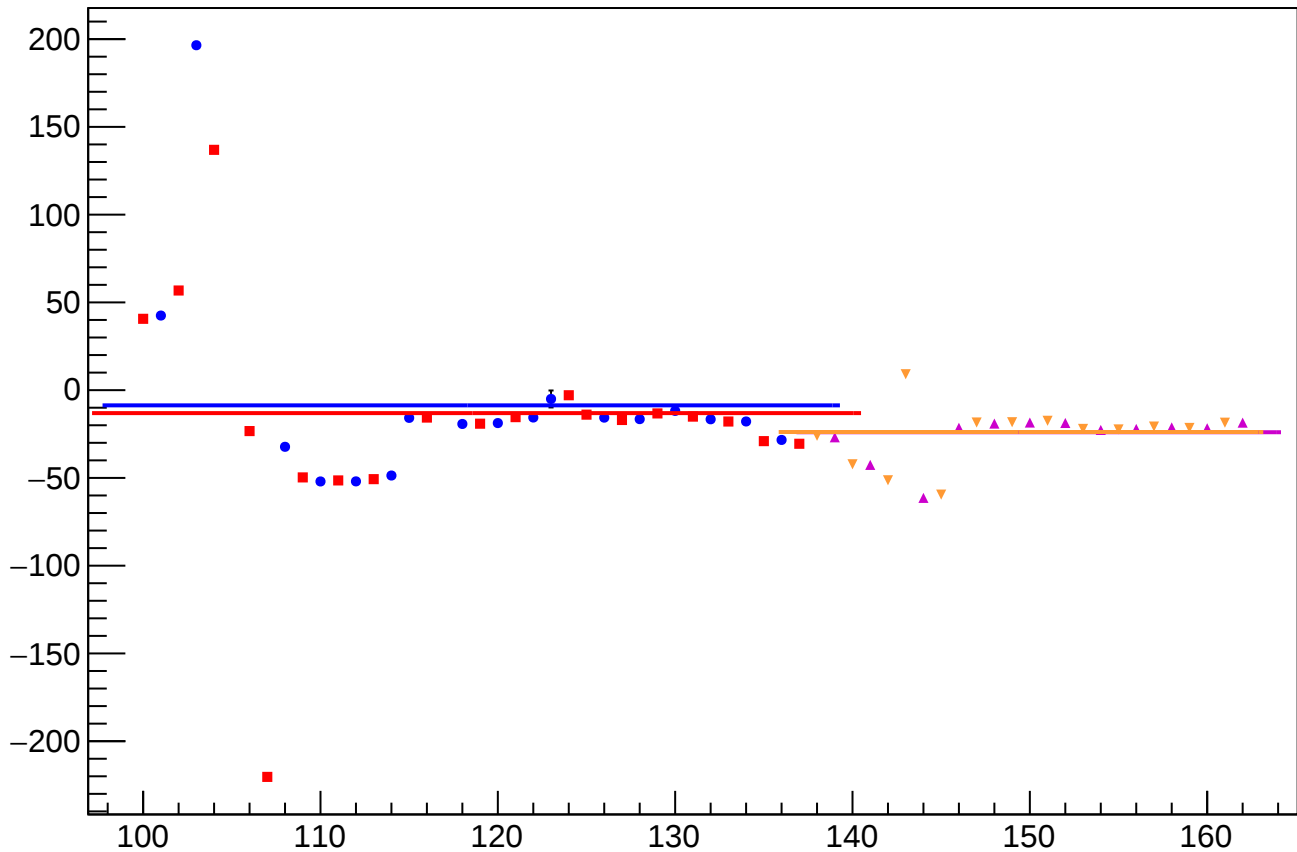
Left In: -12.039 ± 0.652 χ^2/NDF : 390.3/11

+ sign -17.882 ± 0.546 χ^2/NDF : 1097.6/29

All: -18.448 ± 0.387 χ^2/NDF : 2185.6/60

- sign -19.022 ± 0.550 χ^2/NDF : 1085.8/30

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -23.844 ± 0.031 $\chi^2/\text{NDF}: 166722.7/12$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

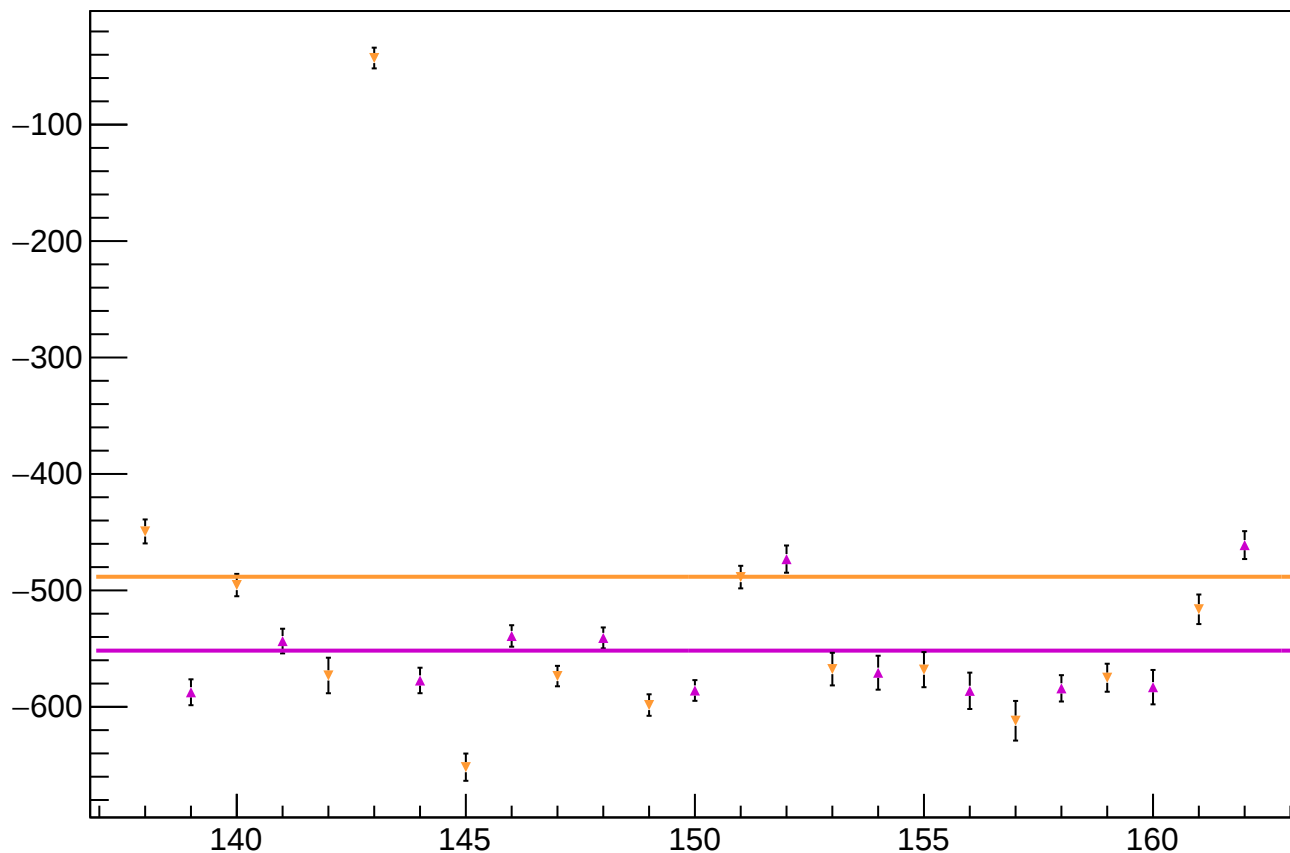
Left In: -23.971 ± 0.030 $\chi^2/\text{NDF}: 100527.0/11$

+ sign -20.567 ± 0.027 $\chi^2/\text{NDF}: 794280.1/29$

All: -21.228 ± 0.019 $\chi^2/\text{NDF}: 1479340.3/60$

- sign -21.873 ± 0.027 $\chi^2/\text{NDF}: 683914.6/30$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -488.277+/-3.072 χ^2/NDF : 3153.2/12

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

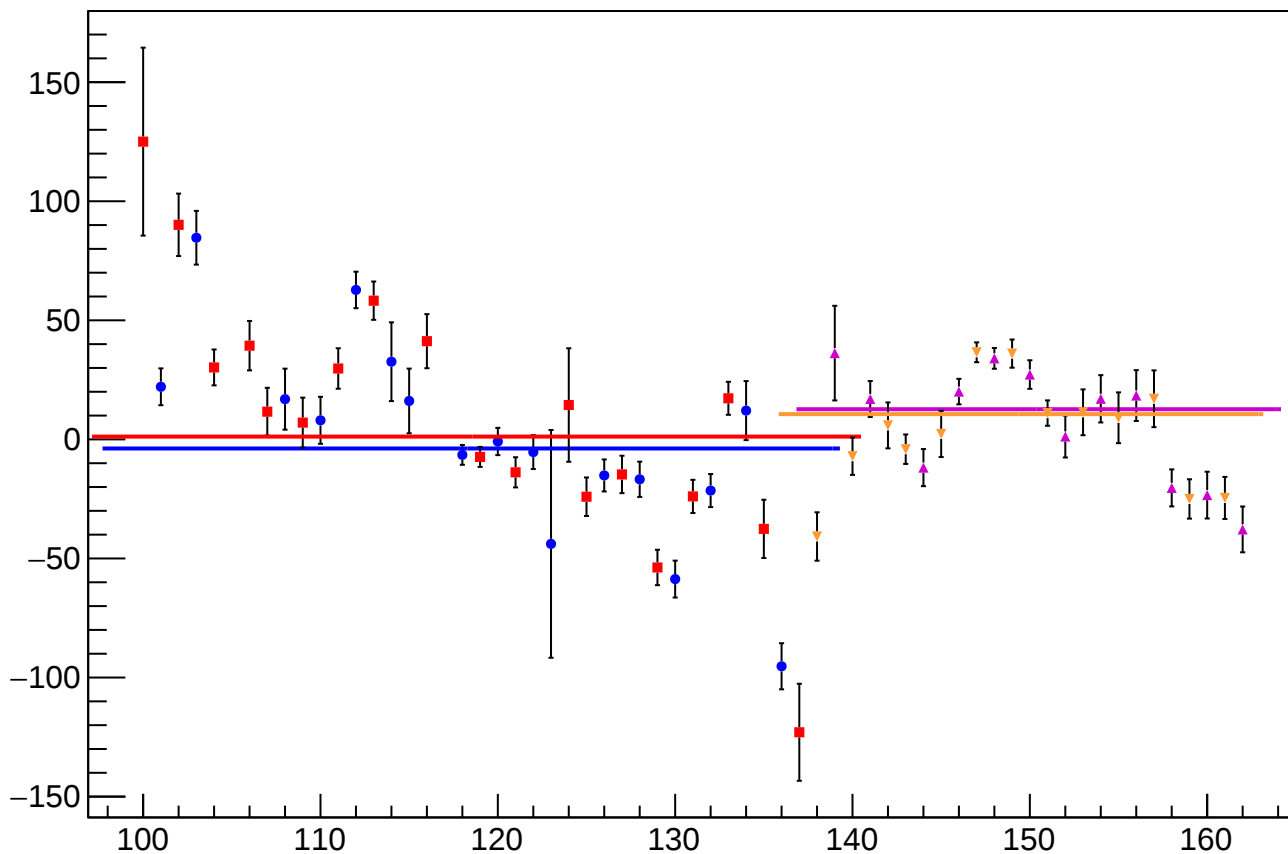
Left In: -551.718+/-3.200 χ^2/NDF : 156.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -518.705+/-2.216 χ^2/NDF : 3514.0/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 10.612 ± 2.004 χ^2/NDF : 129.4/12

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

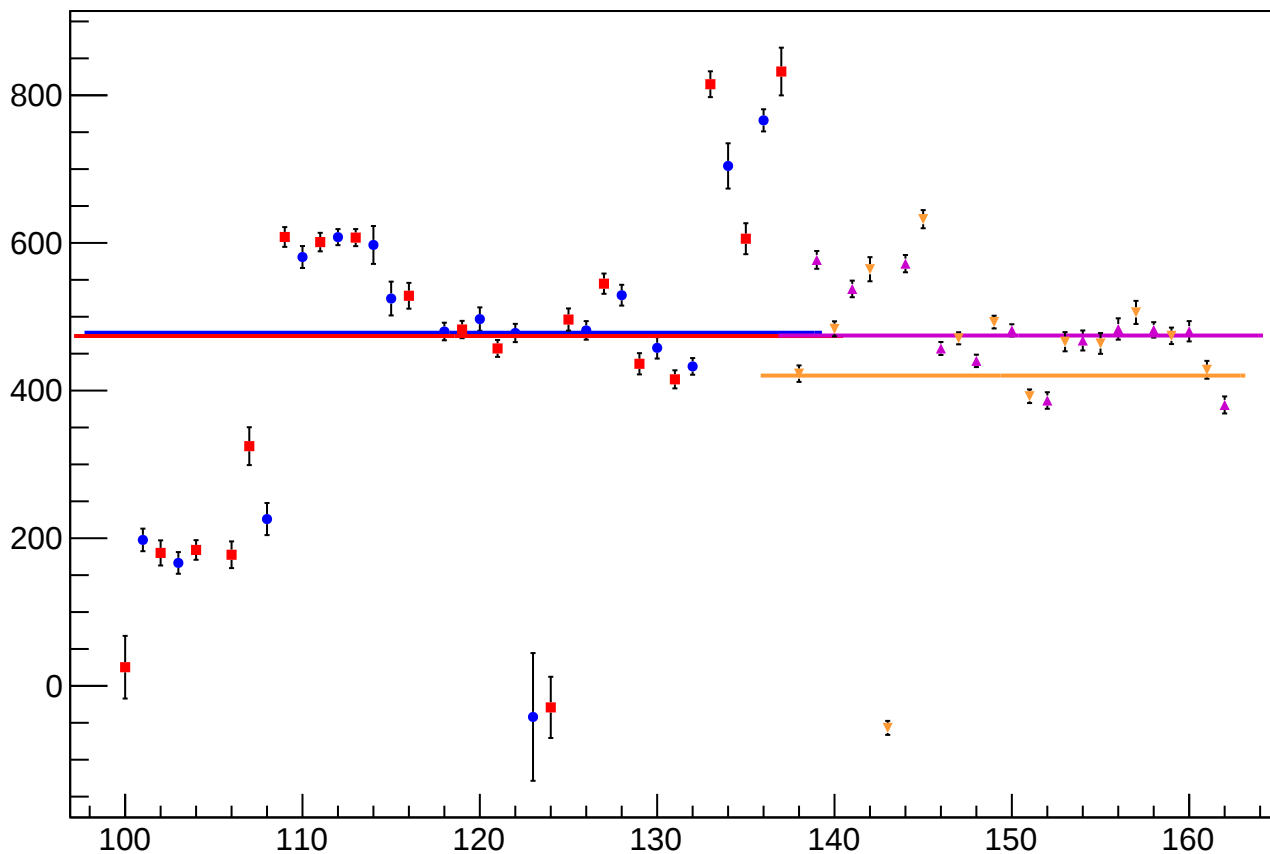
Left In: 12.674 ± 2.125 χ^2/NDF : 104.8/11

+ sign 3.101 ± 1.387 χ^2/NDF : 470.7/29

All: 4.674 ± 0.993 χ^2/NDF : 898.2/60

- sign 6.326 ± 1.422 χ^2/NDF : 424.8/30

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 ± 3.662 $\chi^2/\text{NDF}: 1628.8/16$

Left Out: 420.312 ± 3.029 $\chi^2/\text{NDF}: 3129.5/12$

Right Out: 473.902 ± 3.531 $\chi^2/\text{NDF}: 2285.0/18$

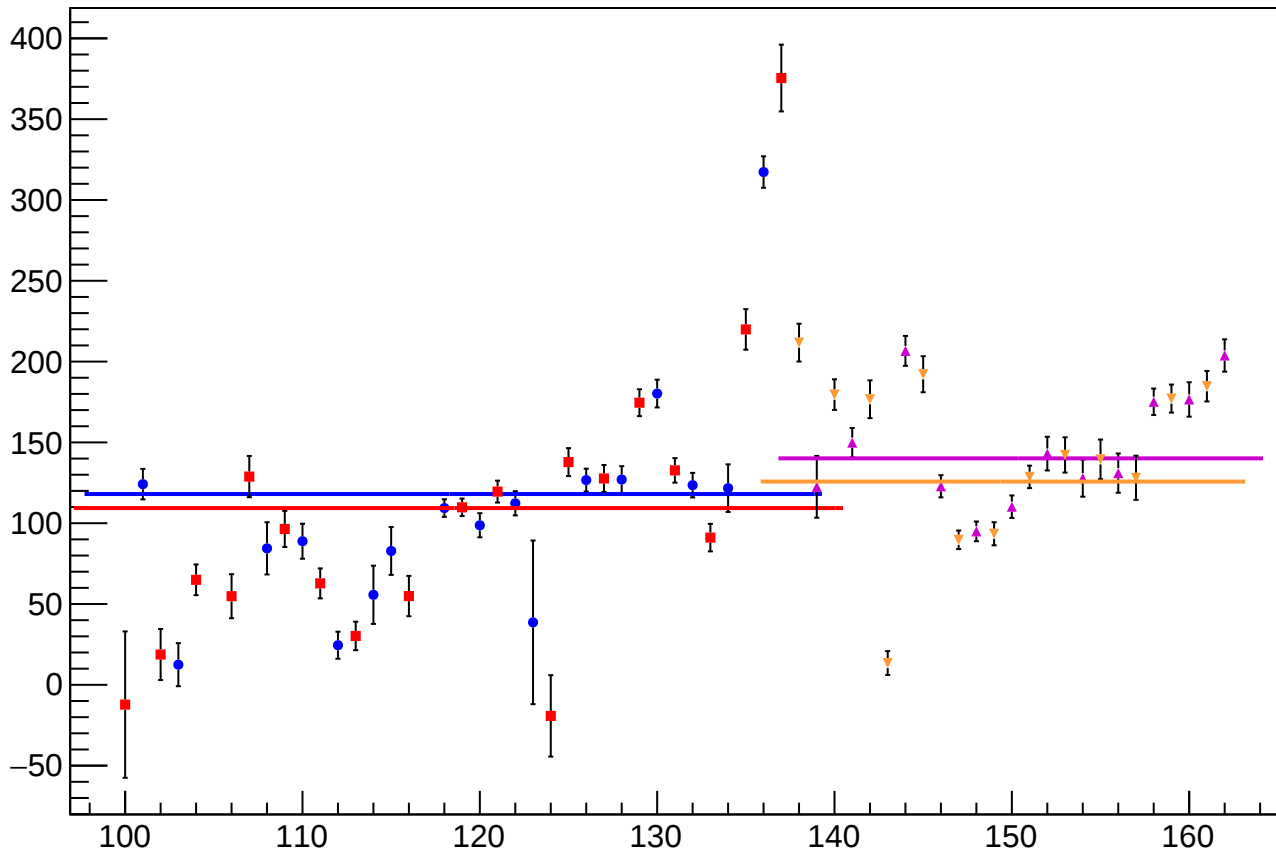
Left In: 474.585 ± 3.105 $\chi^2/\text{NDF}: 323.8/11$

+ sign 443.882 ± 2.334 $\chi^2/\text{NDF}: 4907.4/29$

All: 459.099 ± 1.650 $\chi^2/\text{NDF}: 7601.2/60$

- sign 474.287 ± 2.332 $\chi^2/\text{NDF}: 2608.8/30$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 125.774 ± 2.442 $\chi^2/\text{NDF}: 508.9/12$

Right Out: 109.367 ± 2.205 $\chi^2/\text{NDF}: 569.8/18$

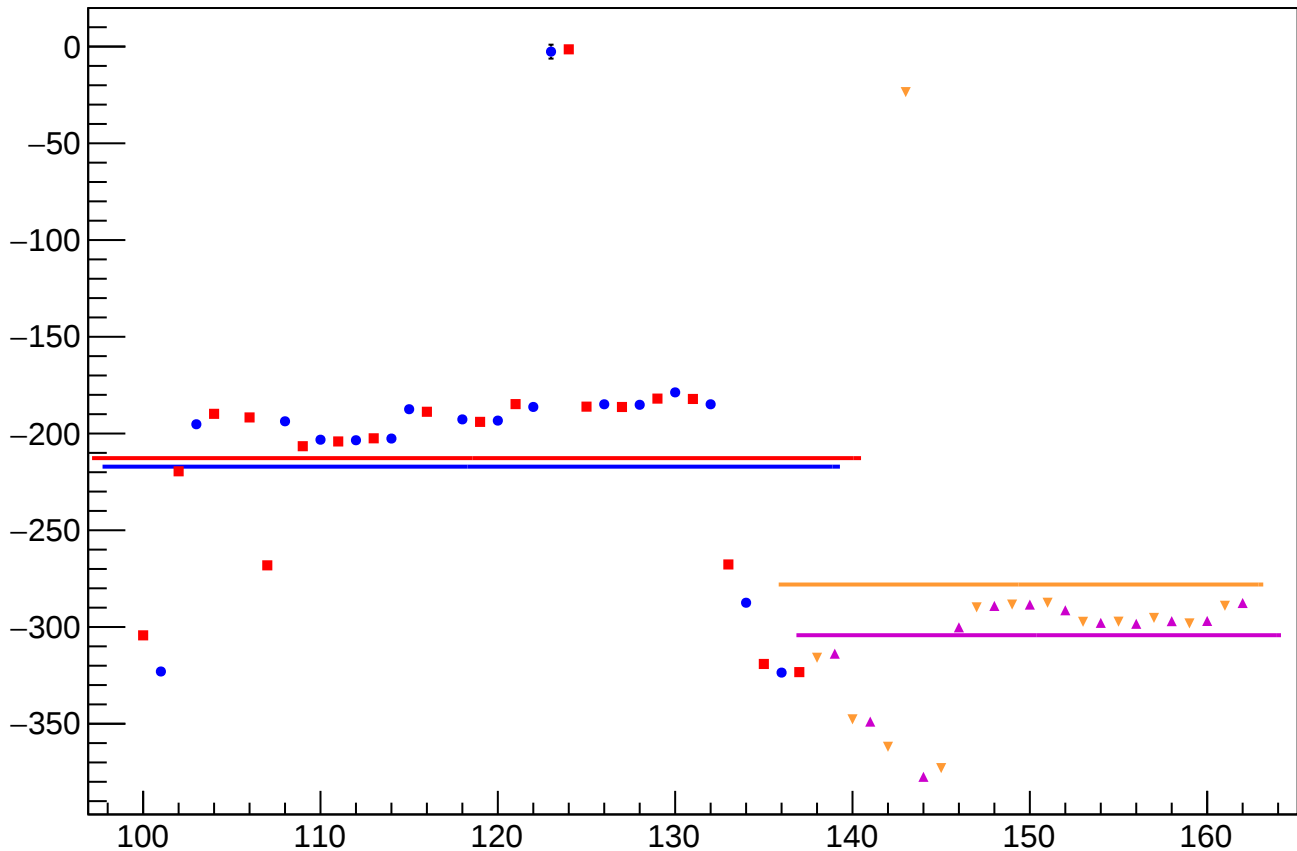
Left In: 140.121 ± 2.559 $\chi^2/\text{NDF}: 205.8/11$

+ sign 121.556 ± 1.645 $\chi^2/\text{NDF}: 1219.7/29$

All: 122.007 ± 1.172 $\chi^2/\text{NDF}: 2078.4/60$

- sign 122.471 ± 1.670 $\chi^2/\text{NDF}: 858.5/30$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -278.035 ± 0.122 $\chi^2/\text{NDF}: 544007.5/12$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

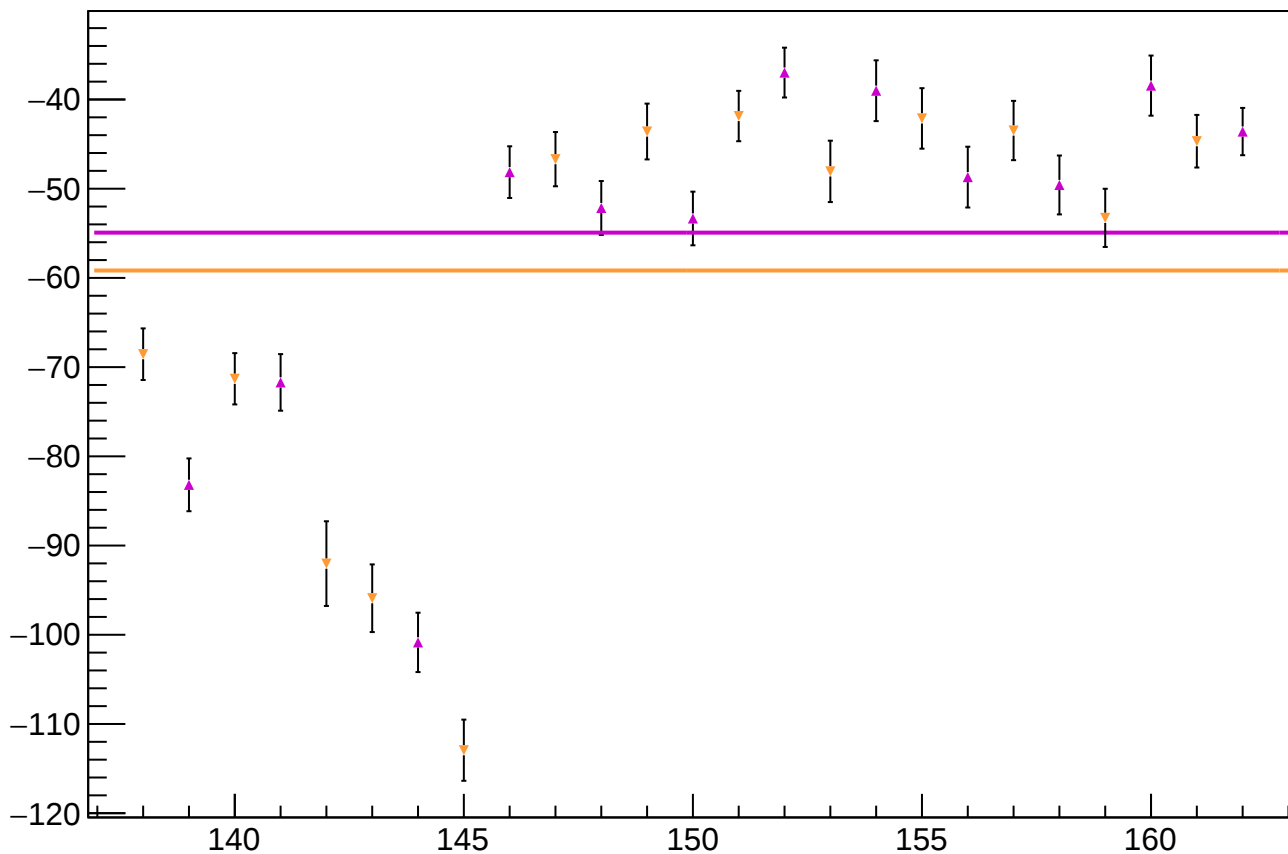
Left In: -304.238 ± 0.123 $\chi^2/\text{NDF}: 37470.8/11$

+ sign -251.008 ± 0.091 $\chi^2/\text{NDF}: 801237.5/29$

All: -256.029 ± 0.064 $\chi^2/\text{NDF}: 1220502.4/60$

- sign -260.898 ± 0.090 $\chi^2/\text{NDF}: 413264.7/30$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -59.168+/-0.896 χ^2/NDF : 580.8/12

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

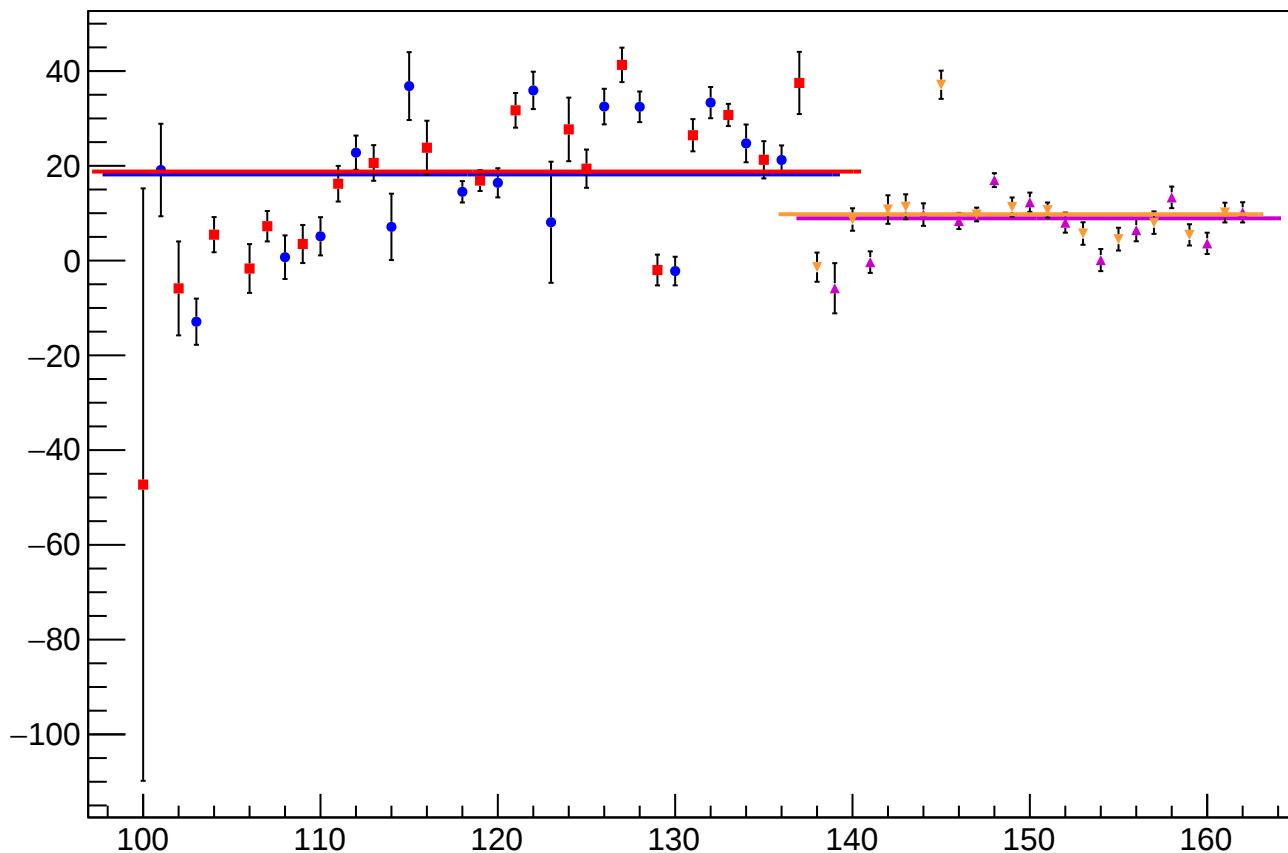
Left In: -54.924+/-0.889 χ^2/NDF : 427.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -57.029+/-0.631 χ^2/NDF : 1019.9/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.781 ± 0.606 χ^2/NDF : 110.8/12

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

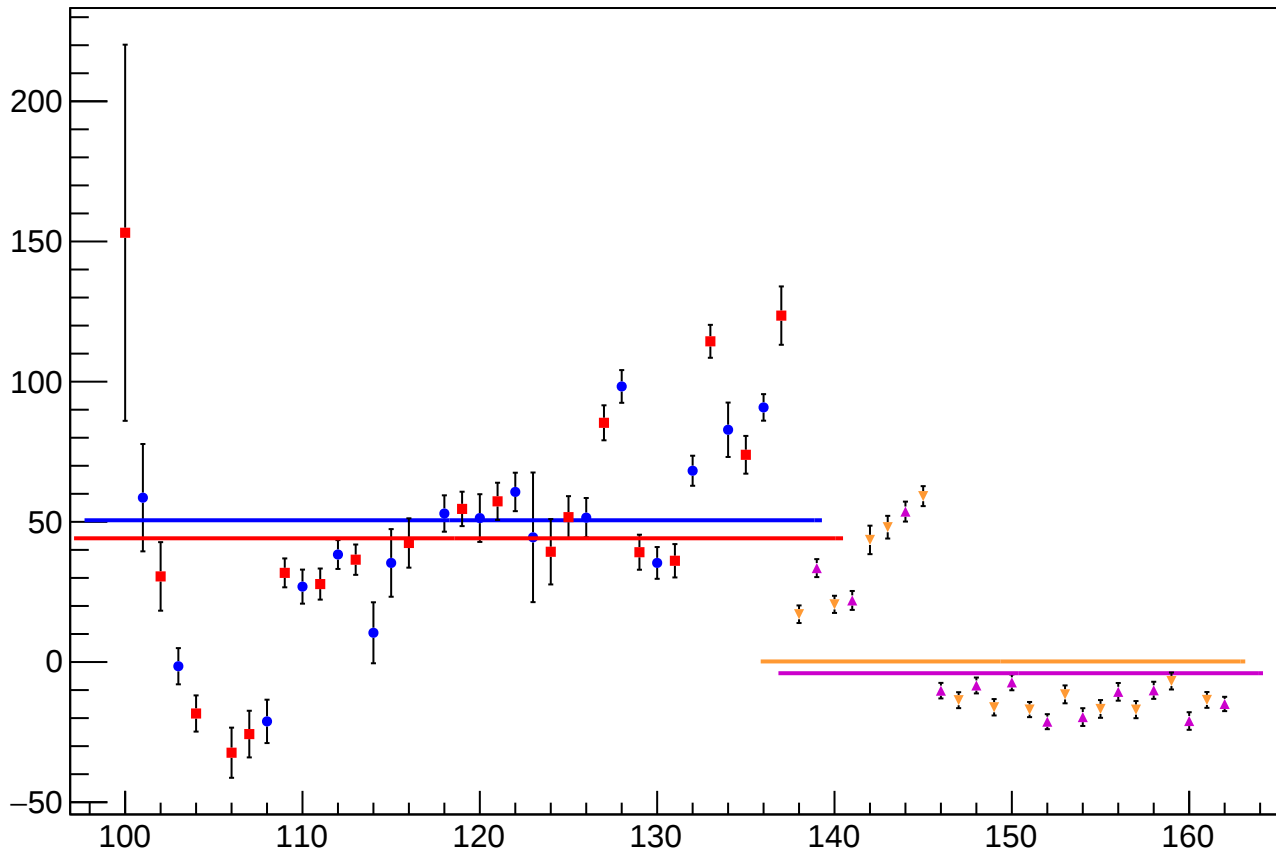
Left In: 8.918 ± 0.614 χ^2/NDF : 82.6/11

+ sign 12.336 ± 0.506 χ^2/NDF : 374.2/29

All: 12.286 ± 0.356 χ^2/NDF : 742.5/60

- sign 12.238 ± 0.500 χ^2/NDF : 368.3/30

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 ± 1.678 $\chi^2/\text{NDF}: 357.9/16$

Left Out: 0.209 ± 0.875 $\chi^2/\text{NDF}: 758.0/12$

Right Out: 44.132 ± 1.603 $\chi^2/\text{NDF}: 532.5/18$

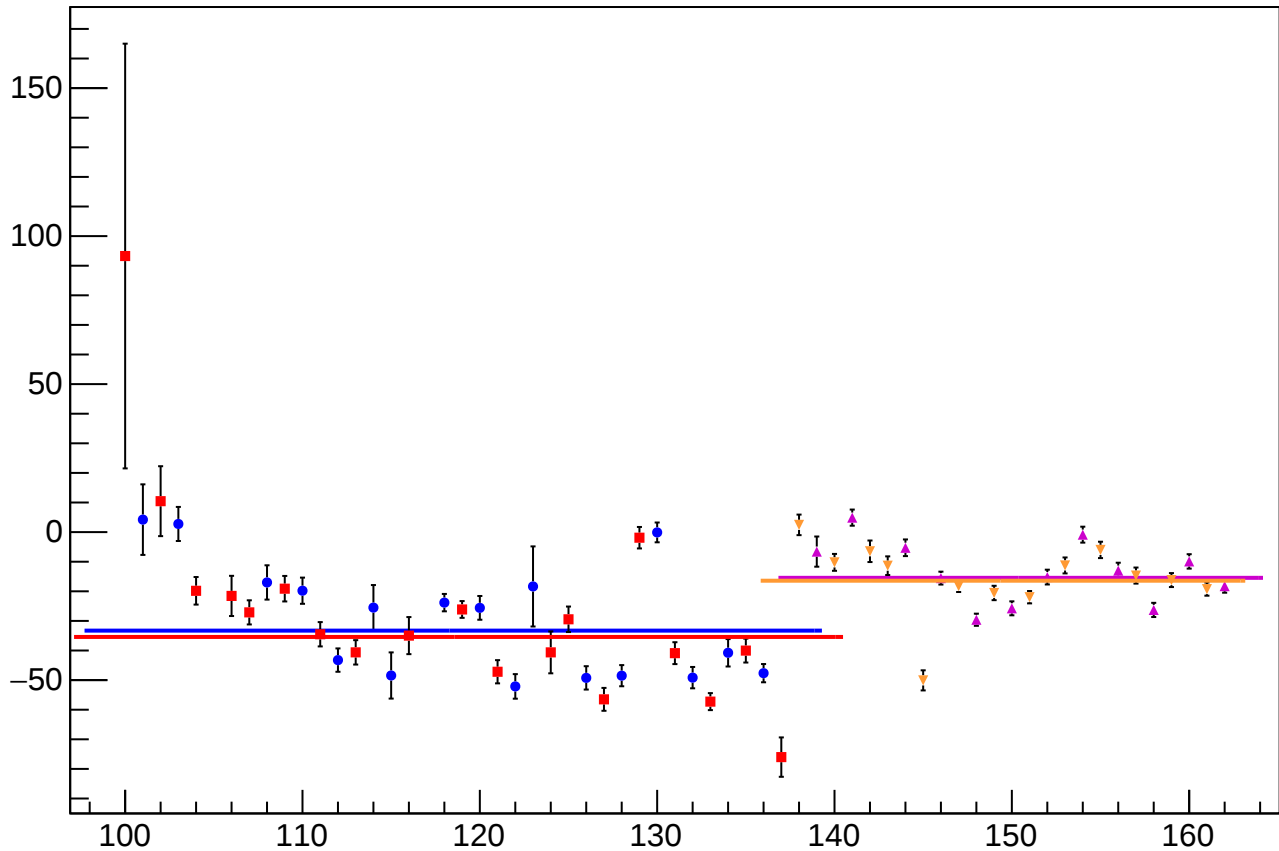
Left In: -3.988 ± 0.861 $\chi^2/\text{NDF}: 589.9/11$

+ sign 10.988 ± 0.776 $\chi^2/\text{NDF}: 1824.1/29$

All: 8.844 ± 0.543 $\chi^2/\text{NDF}: 3661.1/60$

- sign 6.795 ± 0.759 $\chi^2/\text{NDF}: 1822.1/30$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.418 ± 0.724 χ^2/NDF : 173.3/12

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

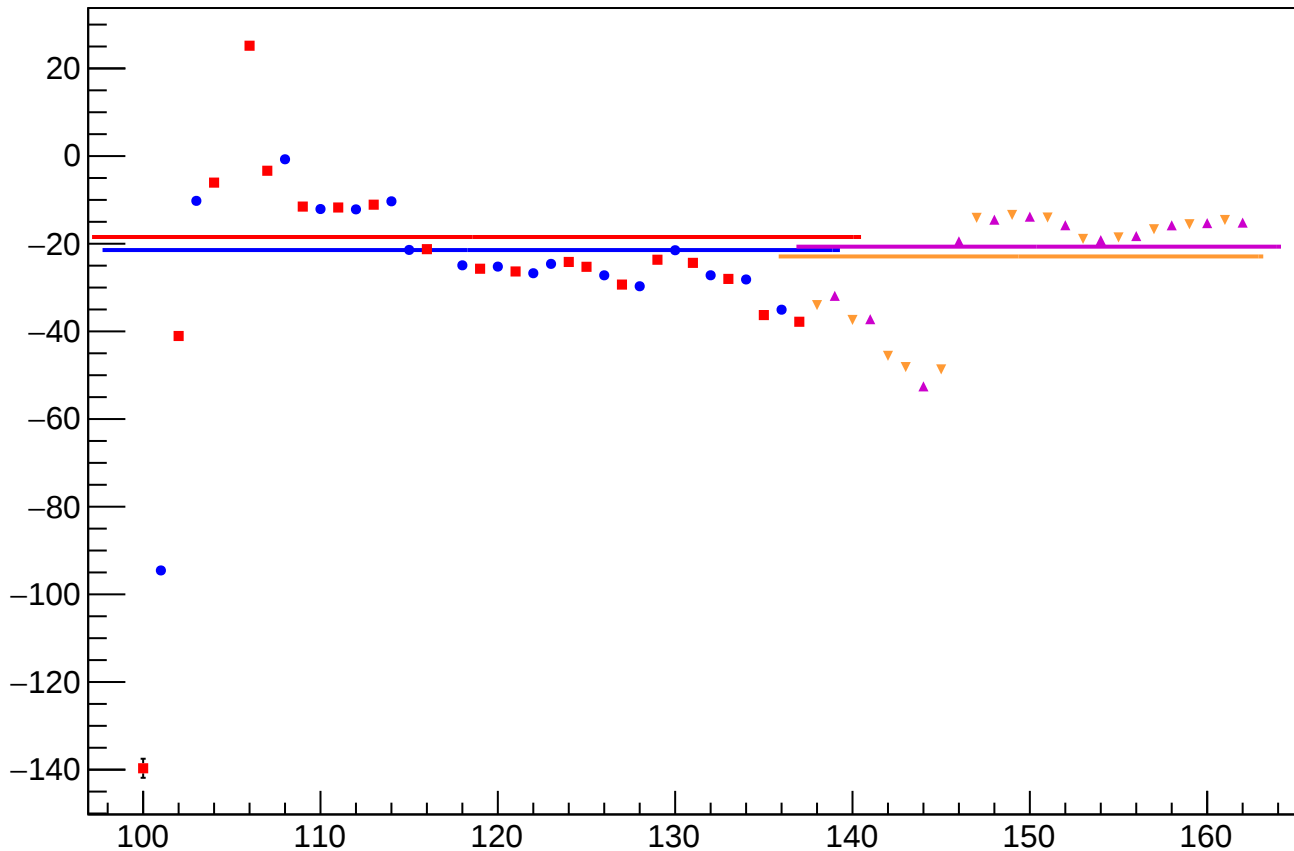
Left In: -15.447 ± 0.724 χ^2/NDF : 195.6/11

+ sign -21.898 ± 0.595 χ^2/NDF : 639.7/29

All: -22.147 ± 0.417 χ^2/NDF : 1390.2/60

- sign -22.388 ± 0.584 χ^2/NDF : 750.2/30

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -22.903 ± 0.034 $\chi^2/\text{NDF}: 123346.4/12$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

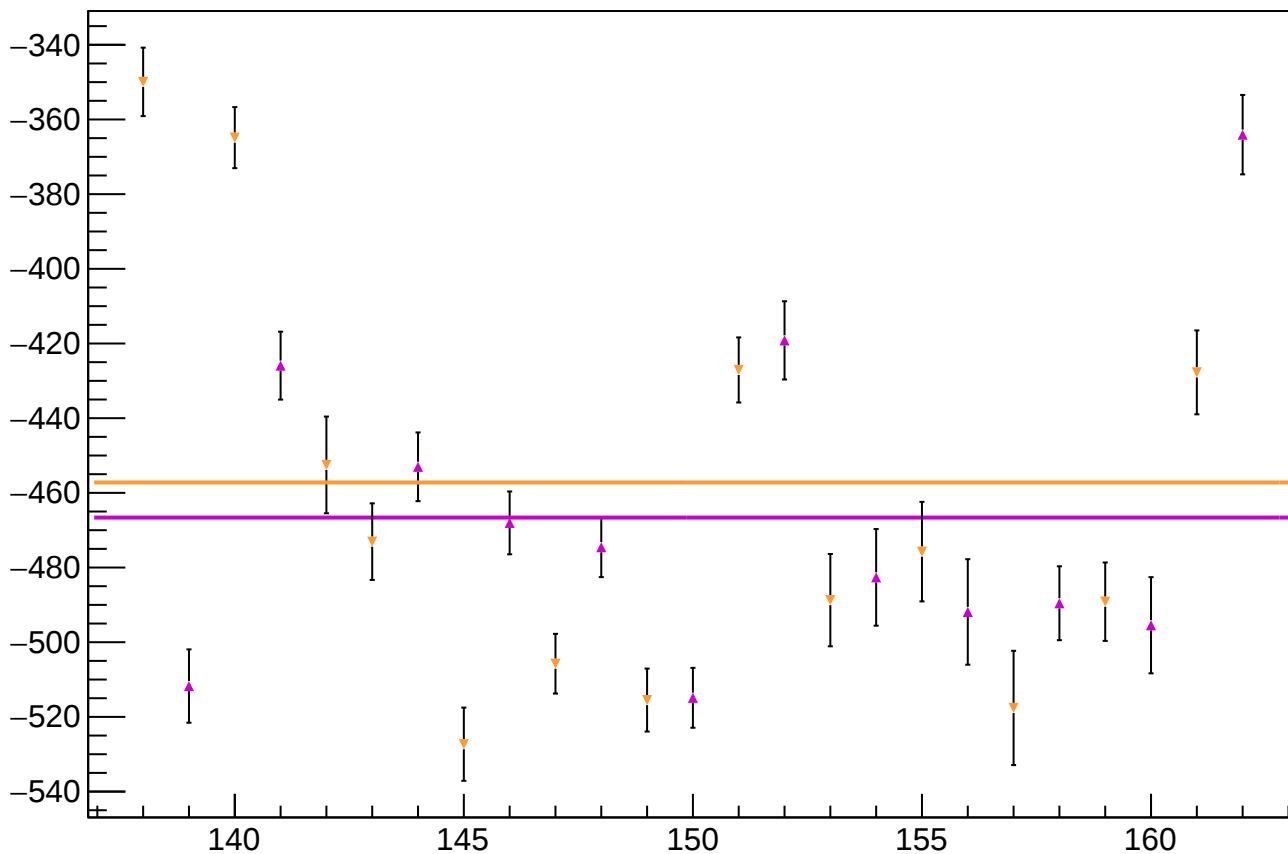
Left In: -20.668 ± 0.033 $\chi^2/\text{NDF}: 82655.5/11$

+ sign -22.536 ± 0.030 $\chi^2/\text{NDF}: 172774.9/29$

All: -21.297 ± 0.021 $\chi^2/\text{NDF}: 340450.2/60$

- sign -20.108 ± 0.029 $\chi^2/\text{NDF}: 164227.5/30$

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -457.207+/-2.784 χ^2/NDF : 454.9/12

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

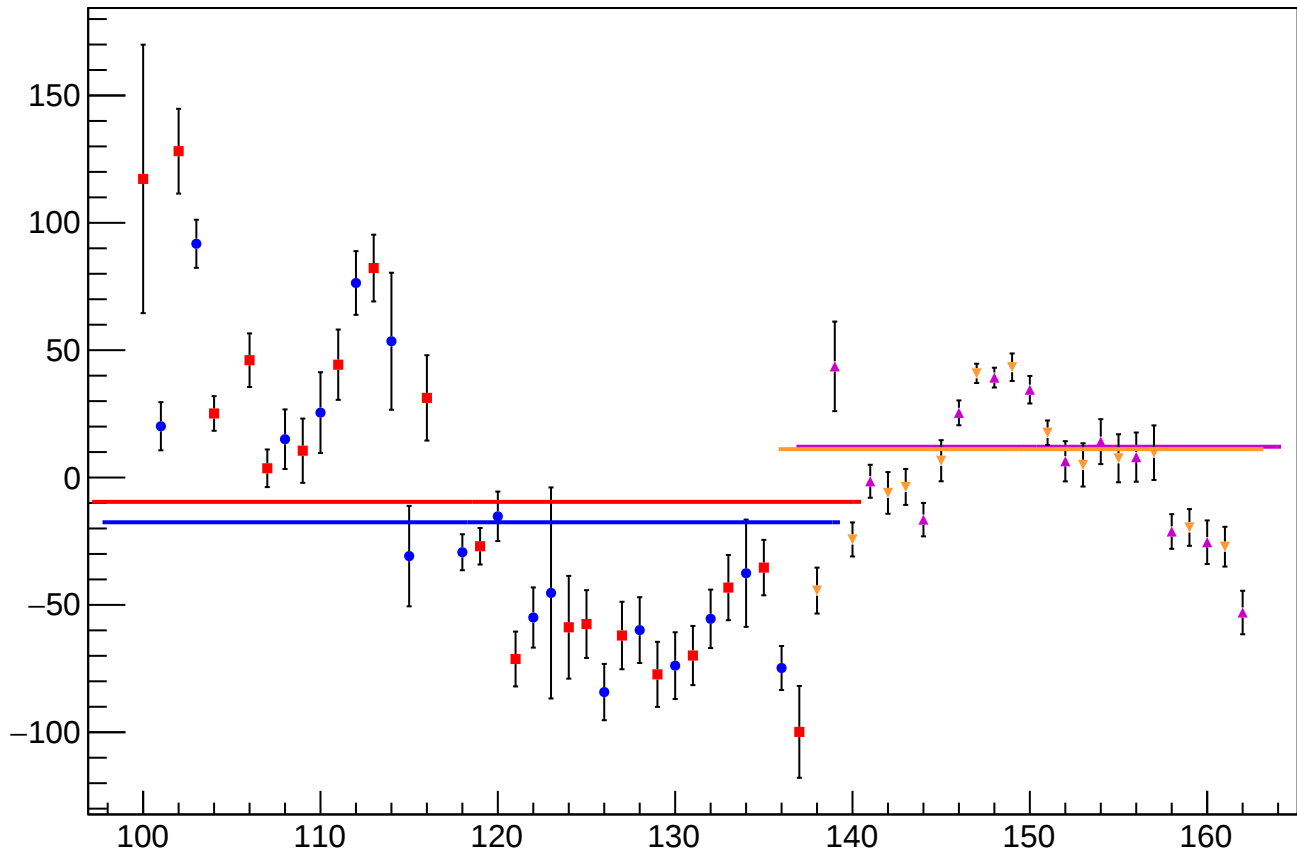
Left In: -466.619+/-2.832 χ^2/NDF : 209.1/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -461.832+/-1.985 χ^2/NDF : 669.7/24

- 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: 11.137 ± 1.820 χ^2/NDF : 217.2/12

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

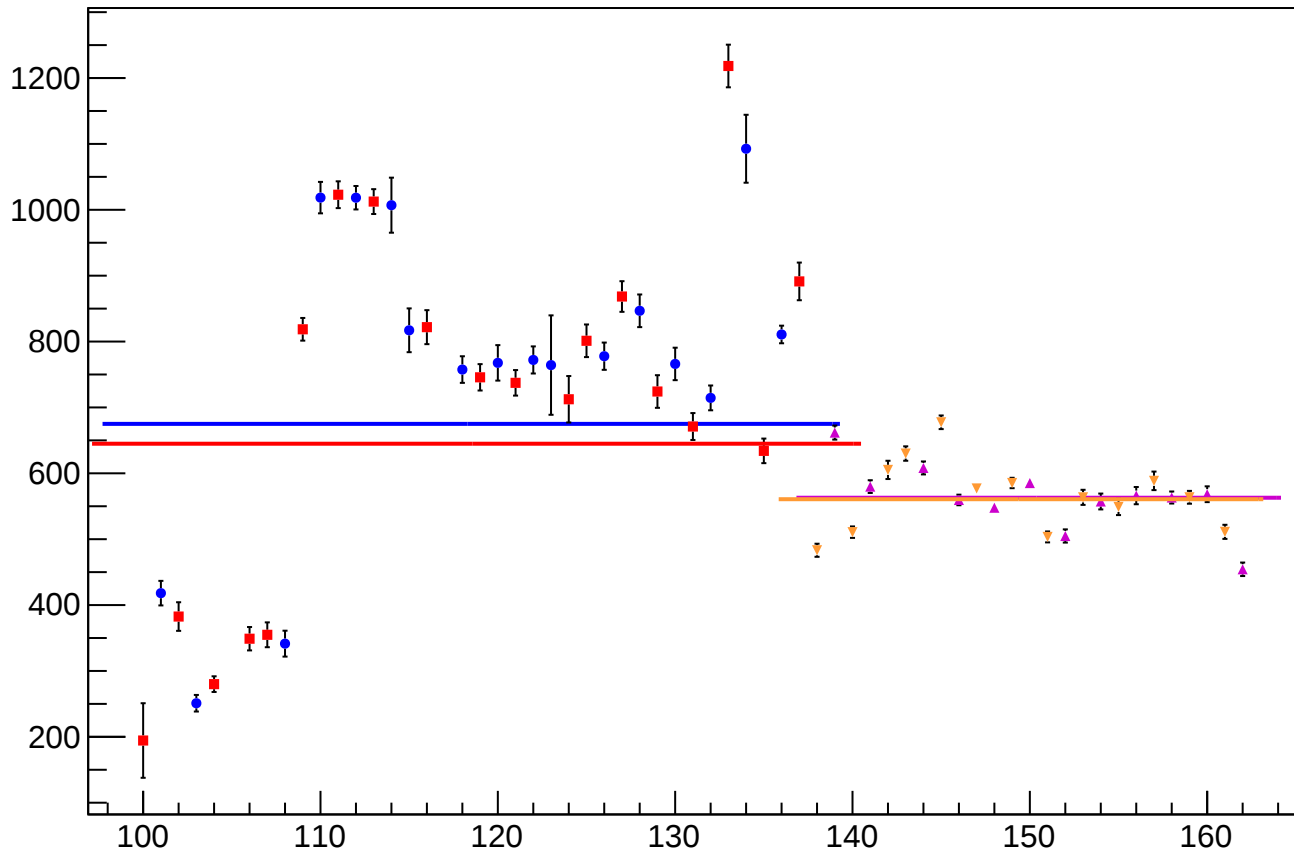
Left In: 12.101 ± 1.885 χ^2/NDF : 202.0/11

+ sign 2.696 ± 1.529 χ^2/NDF : 654.0/29

All: 3.687 ± 1.081 χ^2/NDF : 1272.4/60

- sign 4.676 ± 1.528 χ^2/NDF : 617.5/30

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 ± 5.067 χ^2/NDF : 2584.3/16

Left Out: 560.691 ± 2.741 χ^2/NDF : 360.1/12

Right Out: 644.915 ± 4.761 χ^2/NDF : 3122.2/18

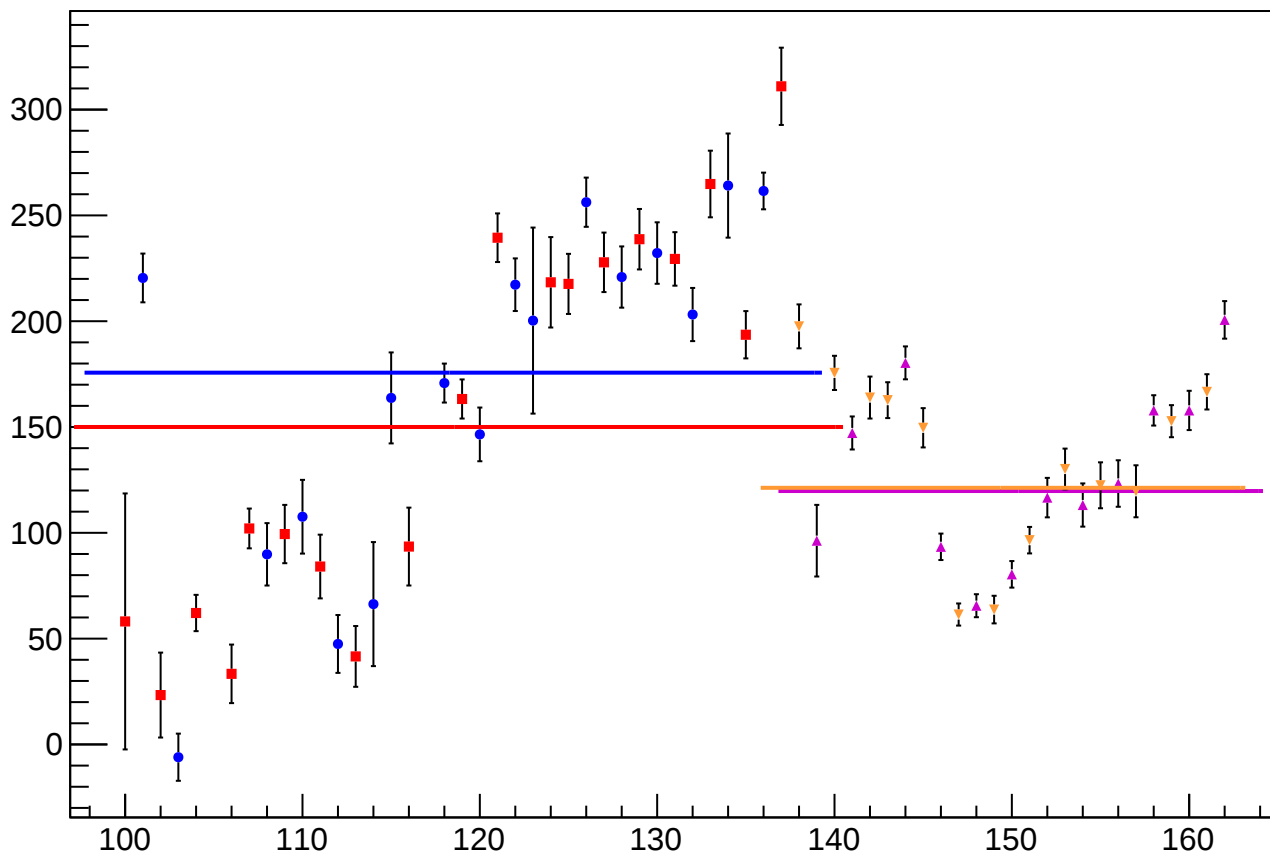
Left In: 562.942 ± 2.753 χ^2/NDF : 270.0/11

+ sign 586.572 ± 2.411 χ^2/NDF : 3338.4/29

All: 585.008 ± 1.695 χ^2/NDF : 6953.6/60

- sign 583.479 ± 2.383 χ^2/NDF : 3614.3/30

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 121.273 ± 2.216 χ^2/NDF : 423.3/12

Right Out: 150.017 ± 3.042 χ^2/NDF : 693.8/18

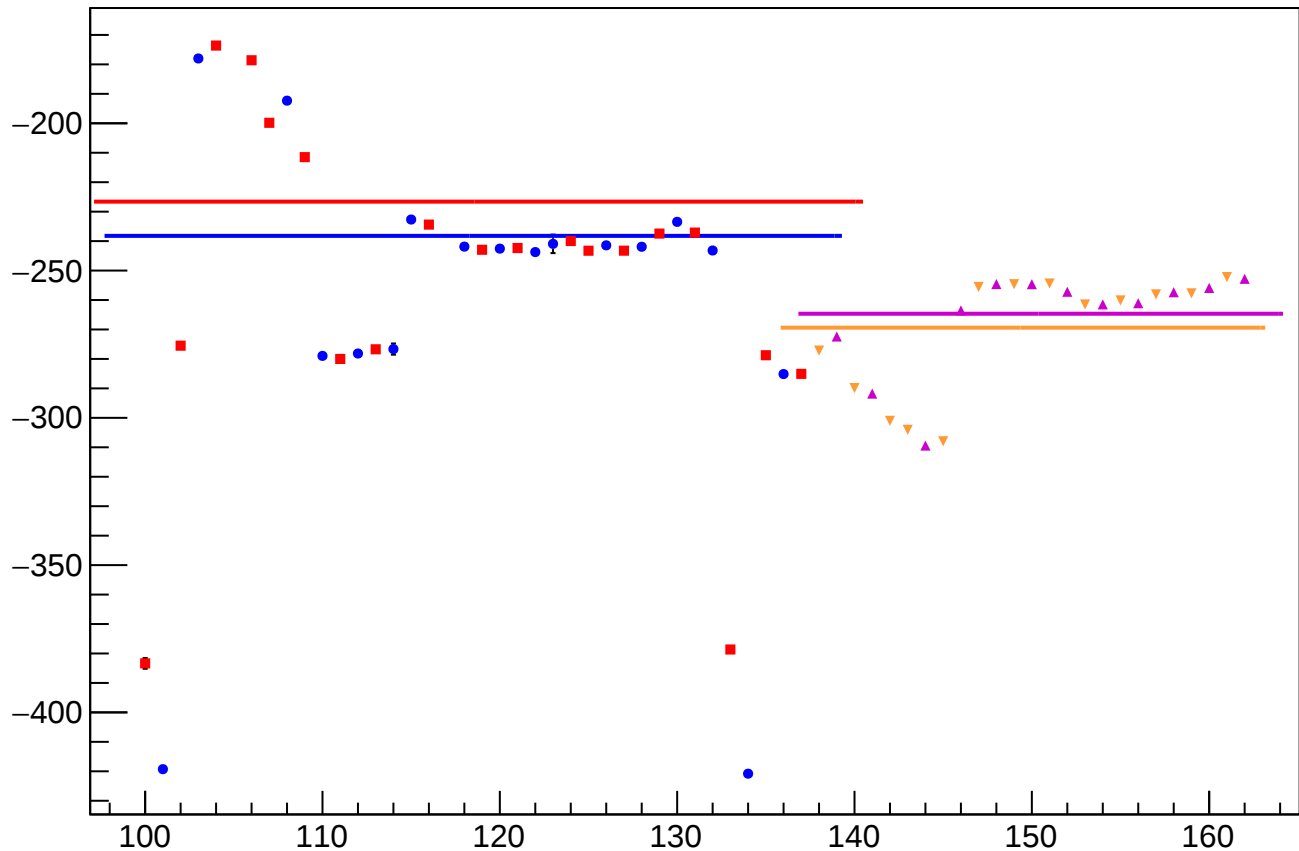
Left In: 119.752 ± 2.268 χ^2/NDF : 360.3/11

+ sign 138.627 ± 1.829 χ^2/NDF : 1253.5/29

All: 134.571 ± 1.289 χ^2/NDF : 2381.0/60

- sign 130.562 ± 1.818 χ^2/NDF : 1117.7/30

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 $\pm$ 0.160 χ^2 /NDF: 167120.0/16

Left Out: -269.381 $\pm$ 0.110 χ^2 /NDF: 31159.6/12

Right Out: -226.597 $\pm$ 0.151 χ^2 /NDF: 102562.3/18

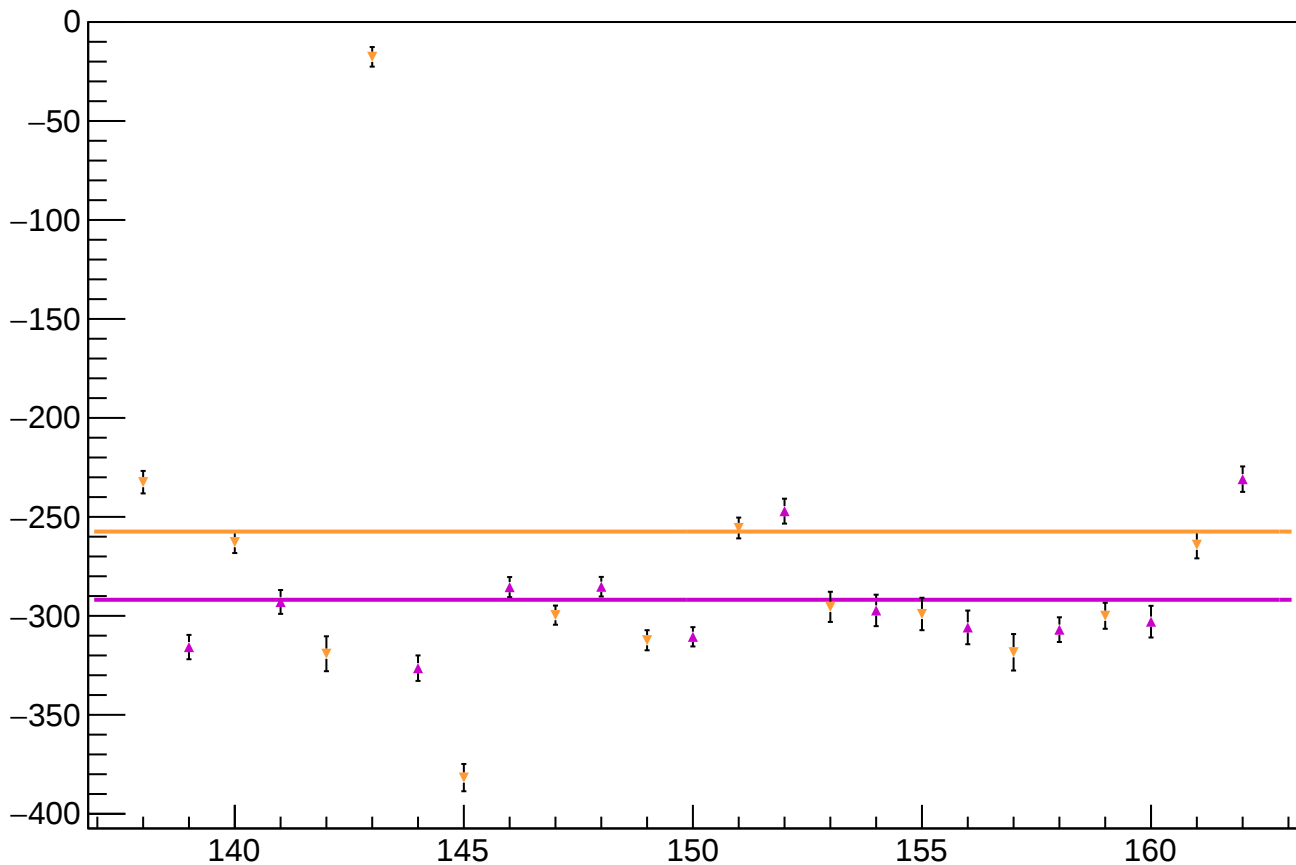
Left In: -264.655 $\pm$ 0.109 χ^2 /NDF: 20247.1/11

+ sign -259.384 $\pm$ 0.091 χ^2 /NDF: 223900.6/29

All: -255.385 $\pm$ 0.063 χ^2 /NDF: 392064.4/60

- sign -251.582 $\pm$ 0.089 χ^2 /NDF: 164386.7/30

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -257.418+/-1.703 χ^2/NDF : 3075.8/12

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

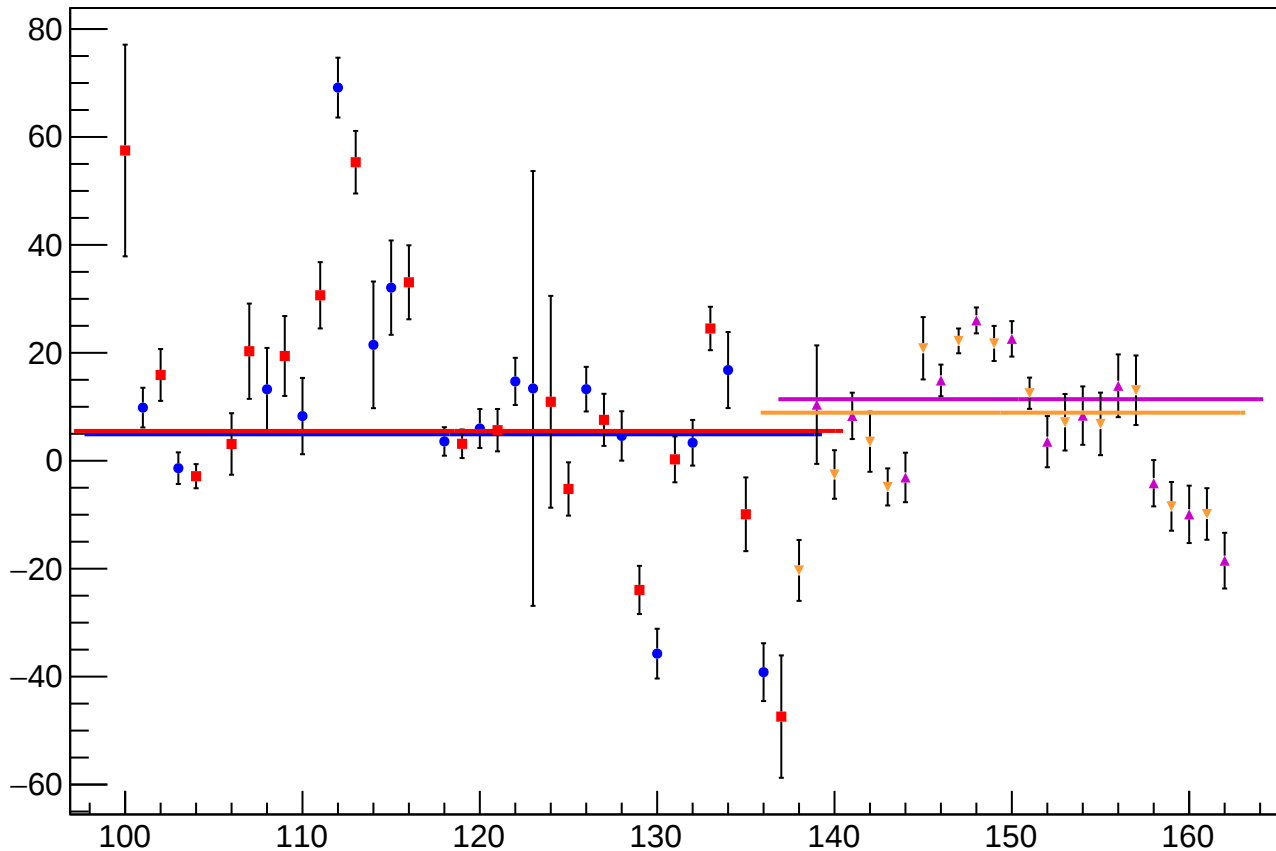
Left In: -291.873+/-1.768 χ^2/NDF : 213.4/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

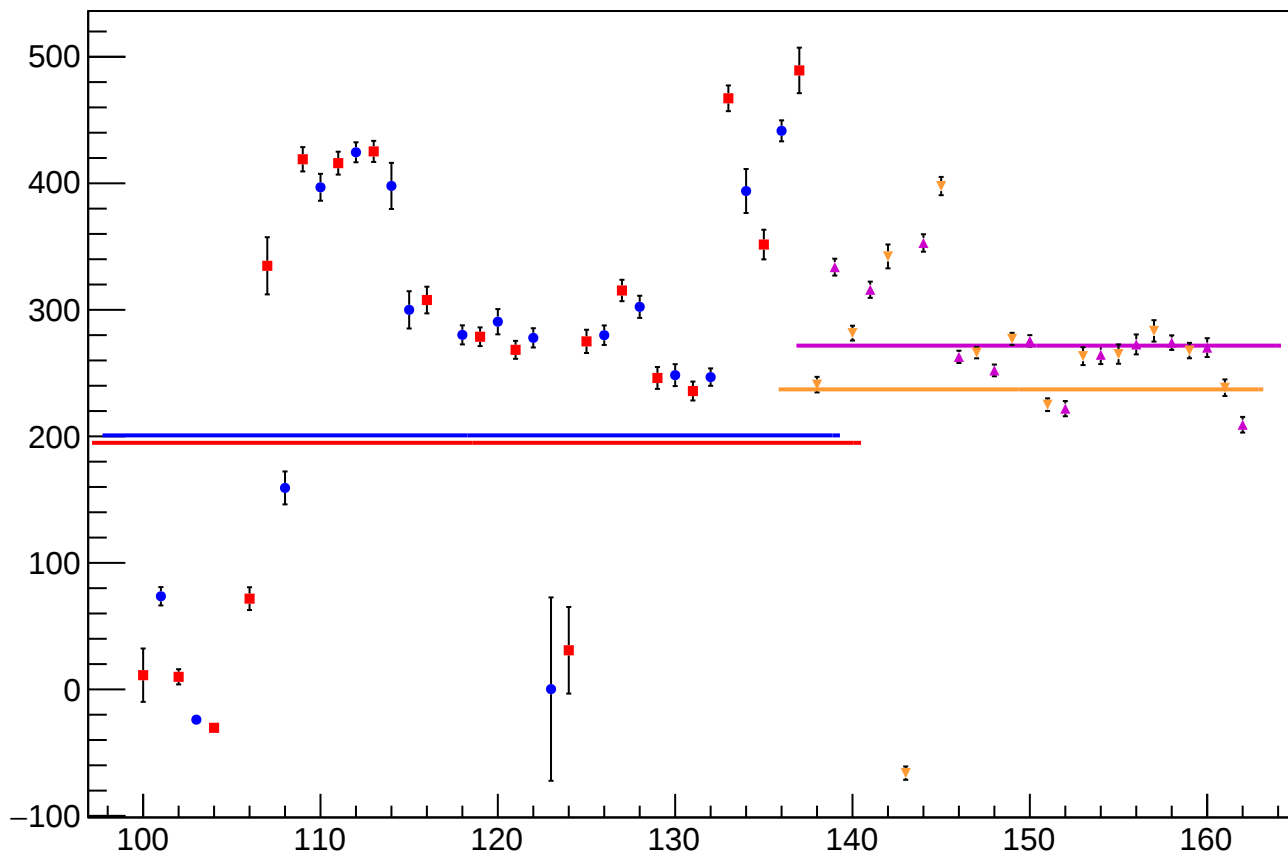
All: -274.001+/-1.226 χ^2/NDF : 3486.2/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 237.131 $\pm$ 1.675 χ^2 /NDF: 4176.6/12

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

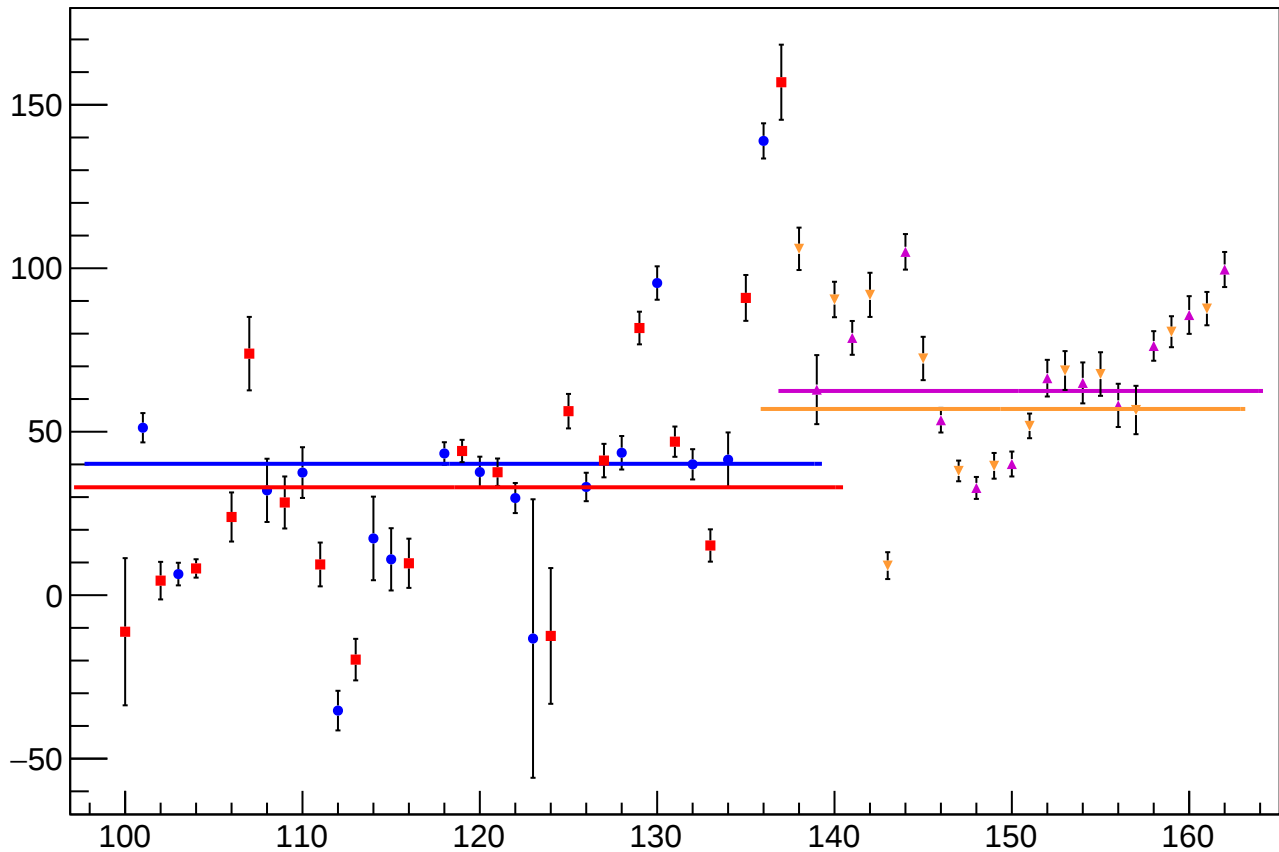
Left In: 271.707 $\pm$ 1.712 χ^2 /NDF: 466.3/11

+ sign 221.993 $\pm$ 1.280 χ^2 /NDF: 11105.7/29

All: 229.877 $\pm$ 0.905 χ^2 /NDF: 20784.6/60

- sign 237.754 $\pm$ 1.279 χ^2 /NDF: 9603.0/30

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 $\pm$ 1.283 χ^2 /NDF: 734.6/16

Left Out: 56.962 $\pm$ 1.350 χ^2 /NDF: 388.2/12

Right Out: 33.006 $\pm$ 1.250 χ^2 /NDF: 552.7/18

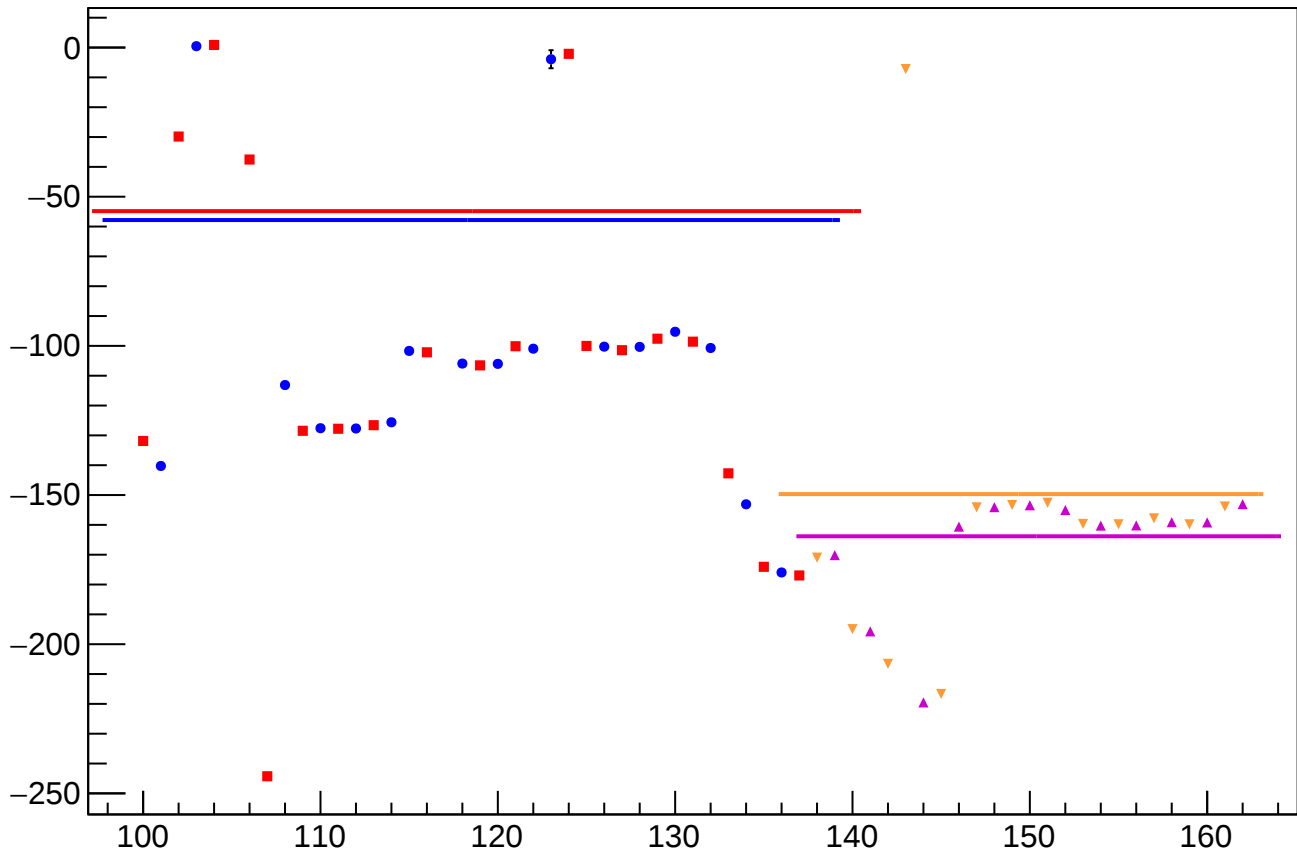
Left In: 62.469 $\pm$ 1.412 χ^2 /NDF: 263.5/11

+ sign 48.146 $\pm$ 0.930 χ^2 /NDF: 1203.9/29

All: 47.060 $\pm$ 0.660 χ^2 /NDF: 2267.0/60

- sign 45.959 $\pm$ 0.936 χ^2 /NDF: 1060.3/30

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 ± 0.062 χ^2/NDF : 1101296.2/16

Left Out: -149.685 ± 0.067 χ^2/NDF : 578891.2/12

Right Out: -54.833 ± 0.060 χ^2/NDF : 1000741.7/18

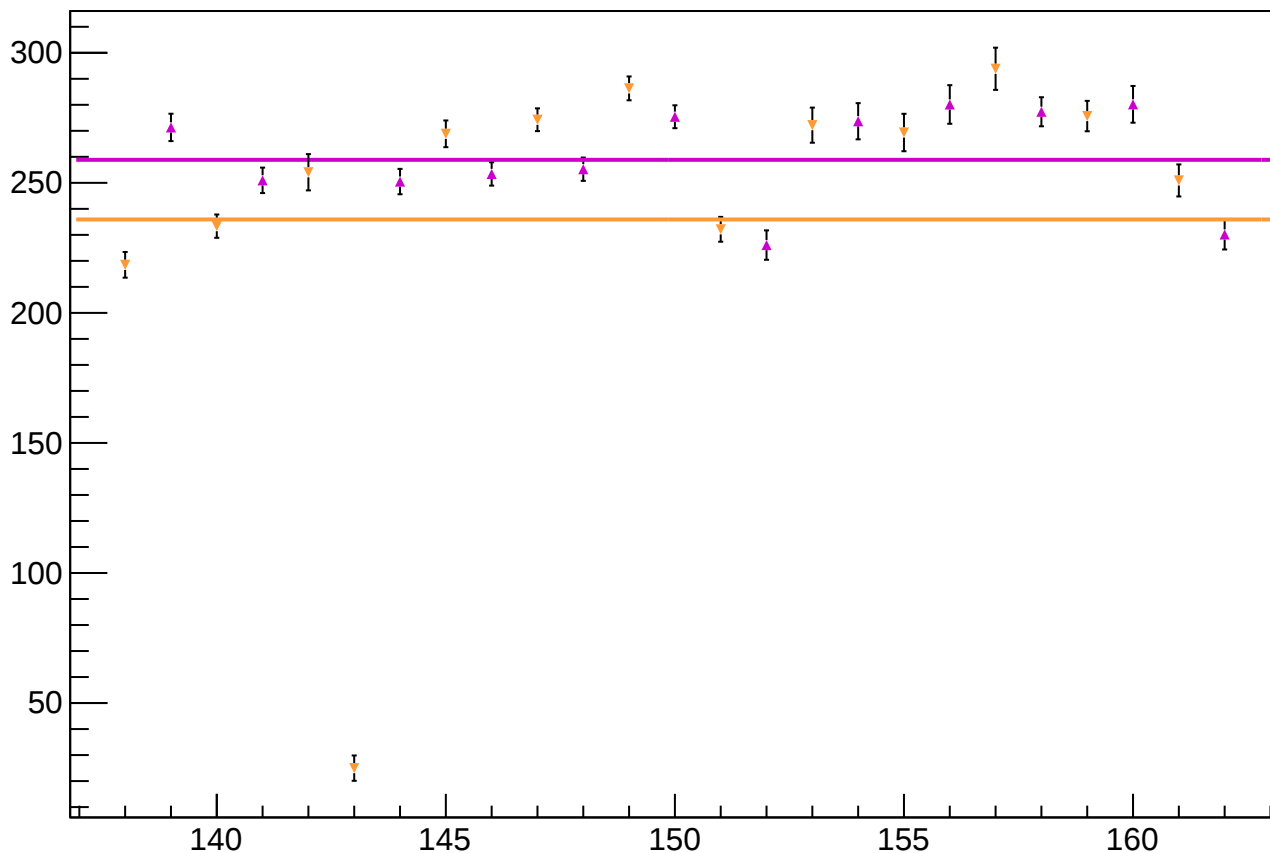
Left In: -163.822 ± 0.068 χ^2/NDF : 59814.8/11

+ sign -99.802 ± 0.046 χ^2/NDF : 2690341.1/29

All: -101.298 ± 0.032 χ^2/NDF : 5192934.3/60

- sign -102.764 ± 0.045 χ^2/NDF : 2500457.6/30

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 235.923+/-1.495 χ^2/NDF : 2288.6/12

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

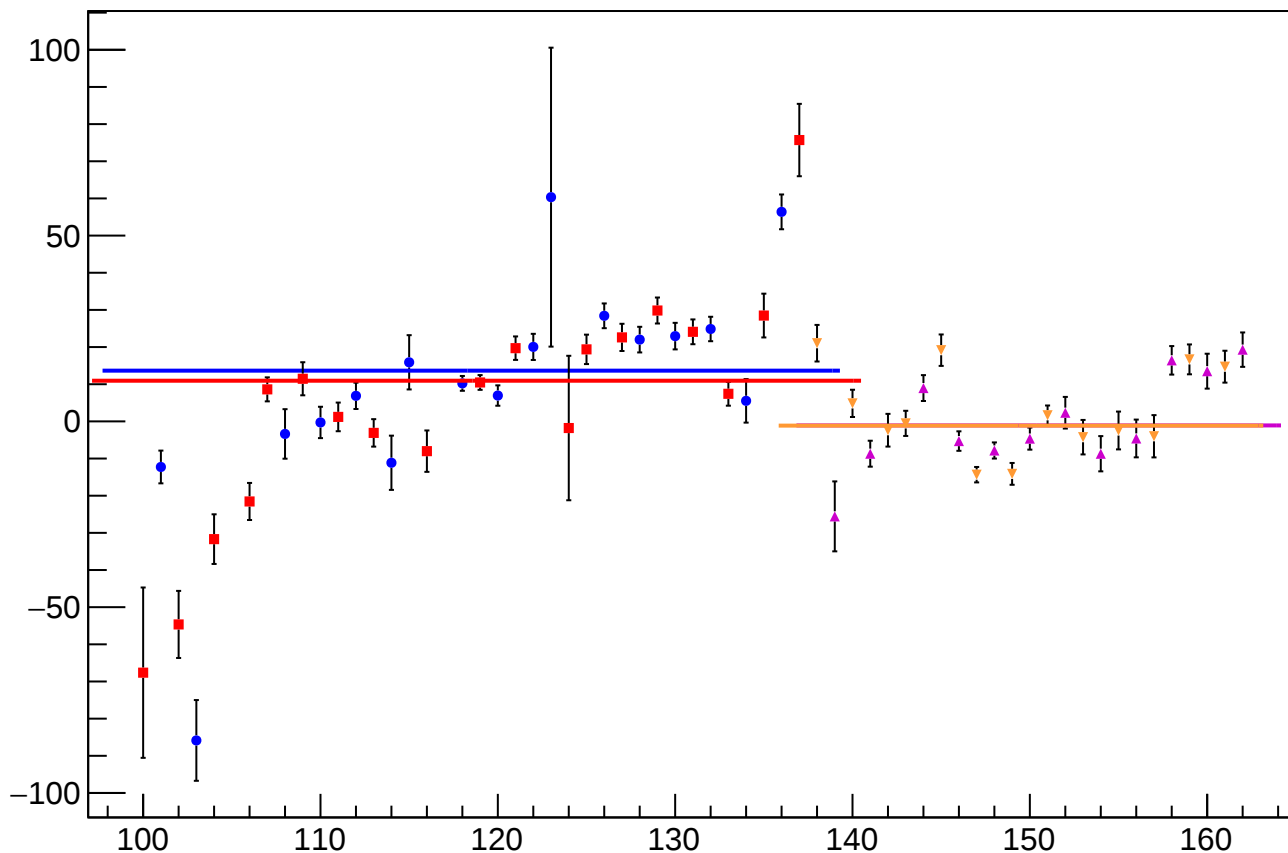
Left In: 258.852+/-1.537 χ^2/NDF : 118.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 247.069+/-1.072 χ^2/NDF : 2521.6/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 ± 0.936 $\chi^2/\text{NDF}: 294.0/16$

Left Out: -1.141 ± 0.983 $\chi^2/\text{NDF}: 141.3/12$

Right Out: 10.944 ± 0.913 $\chi^2/\text{NDF}: 302.5/18$

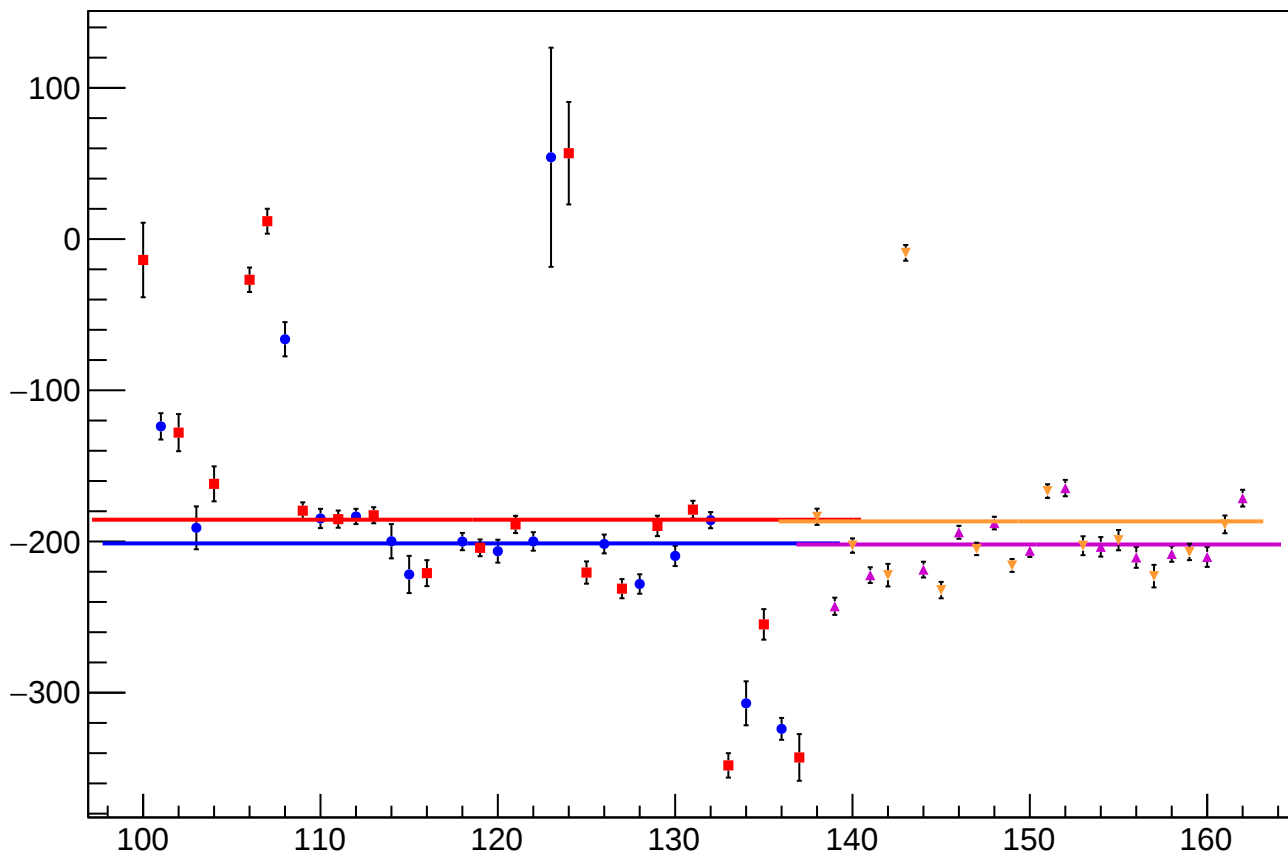
Left In: -1.088 ± 1.029 $\chi^2/\text{NDF}: 87.1/11$

+ sign 6.617 ± 0.678 $\chi^2/\text{NDF}: 554.1/29$

All: 6.132 ± 0.481 $\chi^2/\text{NDF}: 1021.3/60$

- sign 5.641 ± 0.683 $\chi^2/\text{NDF}: 466.2/30$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -186.711 ± 1.476 χ^2/NDF : 1404.5/12

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

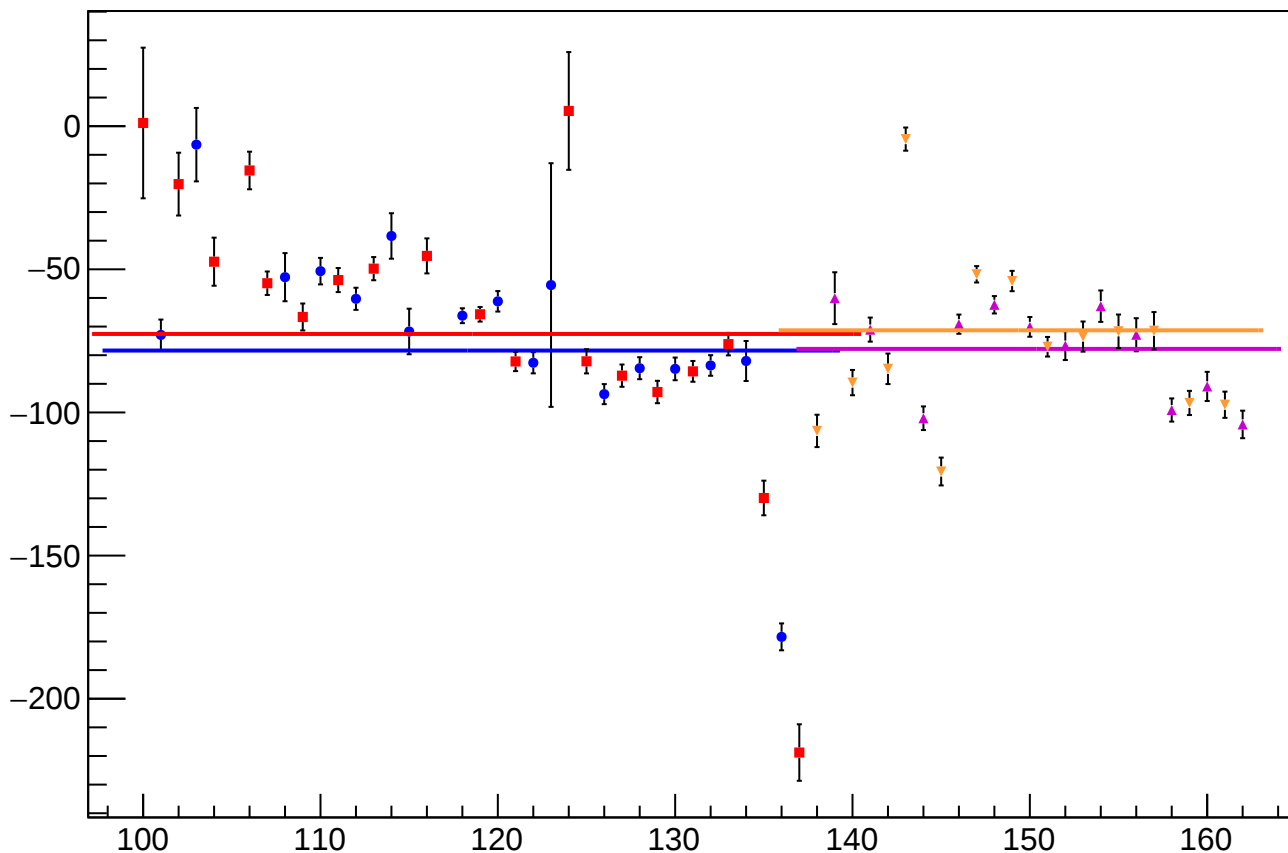
Left In: -201.974 ± 1.496 χ^2/NDF : 175.3/11

+ sign -192.580 ± 1.140 χ^2/NDF : 2067.1/29

All: -193.717 ± 0.800 χ^2/NDF : 4042.8/60

- sign -194.821 ± 1.123 χ^2/NDF : 1973.7/30

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -71.307 ± 1.195 χ^2/NDF : 579.1/12

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

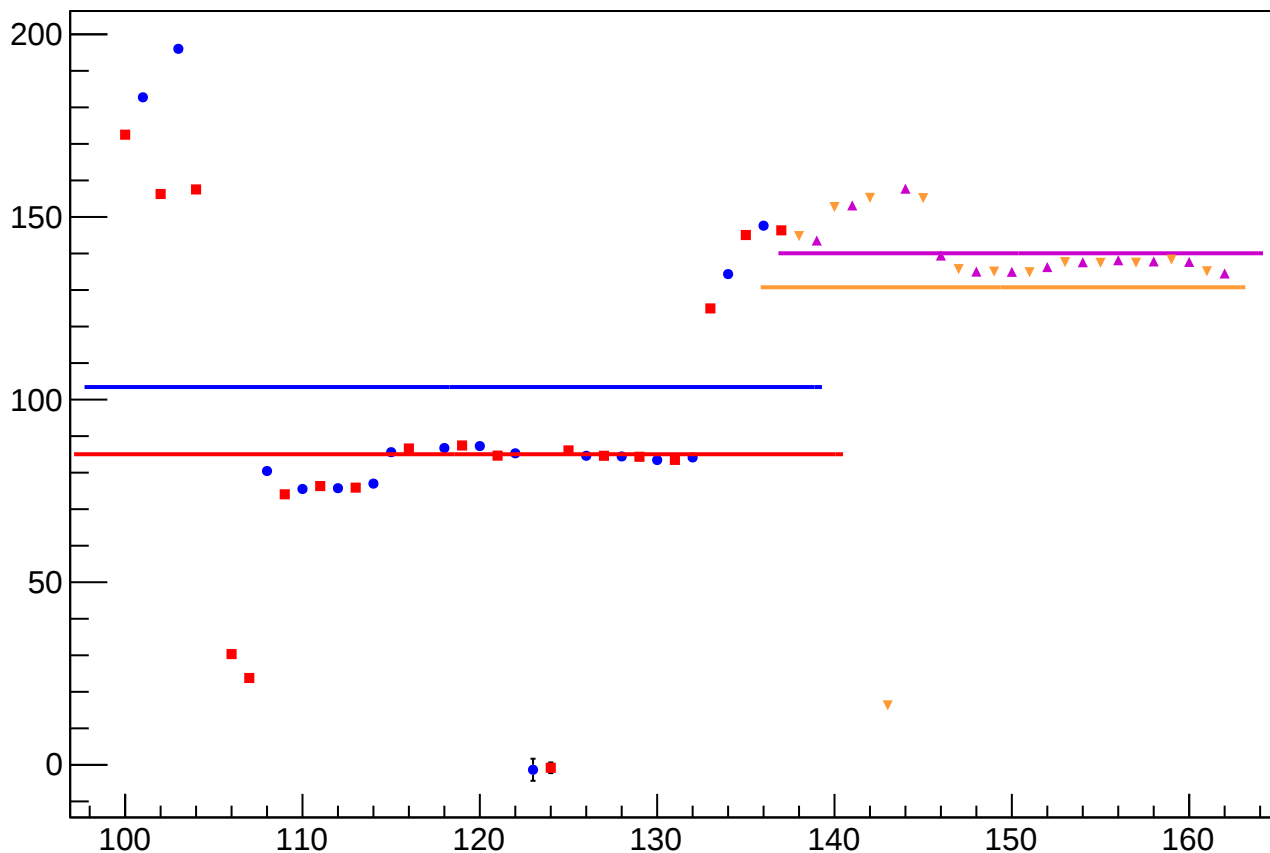
Left In: -77.798 ± 1.236 χ^2/NDF : 150.9/11

+ sign -75.194 ± 0.802 χ^2/NDF : 1249.7/29

All: -74.981 ± 0.567 χ^2/NDF : 2016.9/60

- sign -74.769 ± 0.801 χ^2/NDF : 767.1/30

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 130.746 $\pm$ 0.059 χ^2 /NDF: 344326.1/12

Right Out: 85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

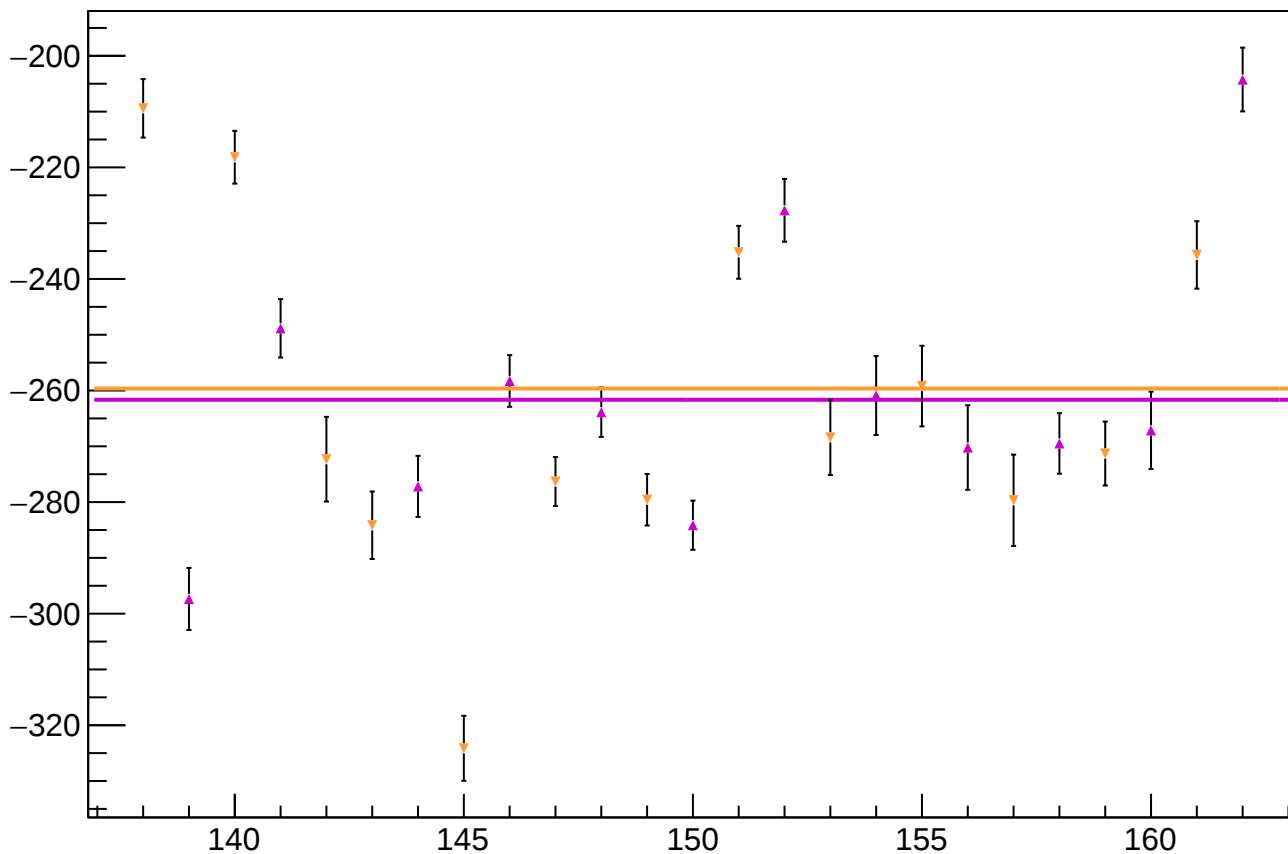
Left In: 140.055 $\pm$ 0.059 χ^2 /NDF: 13185.1/11

+ sign 119.507 $\pm$ 0.045 χ^2 /NDF: 704474.6/29

All: 116.874 $\pm$ 0.031 χ^2 /NDF: 1544852.1/60

- sign 114.469 $\pm$ 0.043 χ^2 /NDF: 833962.7/30

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -259.645+/-1.557 χ^2/NDF : 397.8/12

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

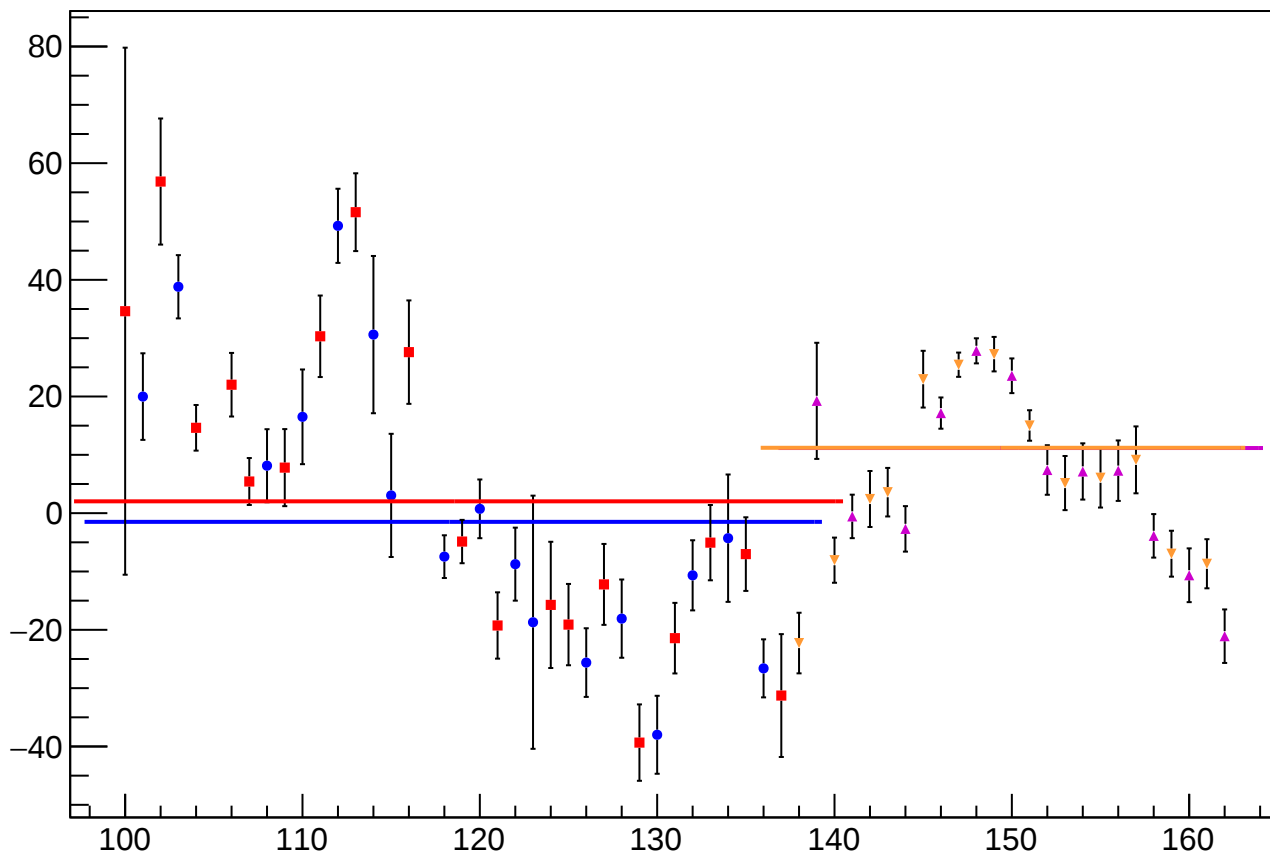
Left In: -261.656+/-1.570 χ^2/NDF : 223.4/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -260.642+/-1.106 χ^2/NDF : 622.1/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 11.207 ± 1.013 $\chi^2/\text{NDF}: 203.7/12$

Right Out: 2.028 ± 1.400 $\chi^2/\text{NDF}: 233.3/18$

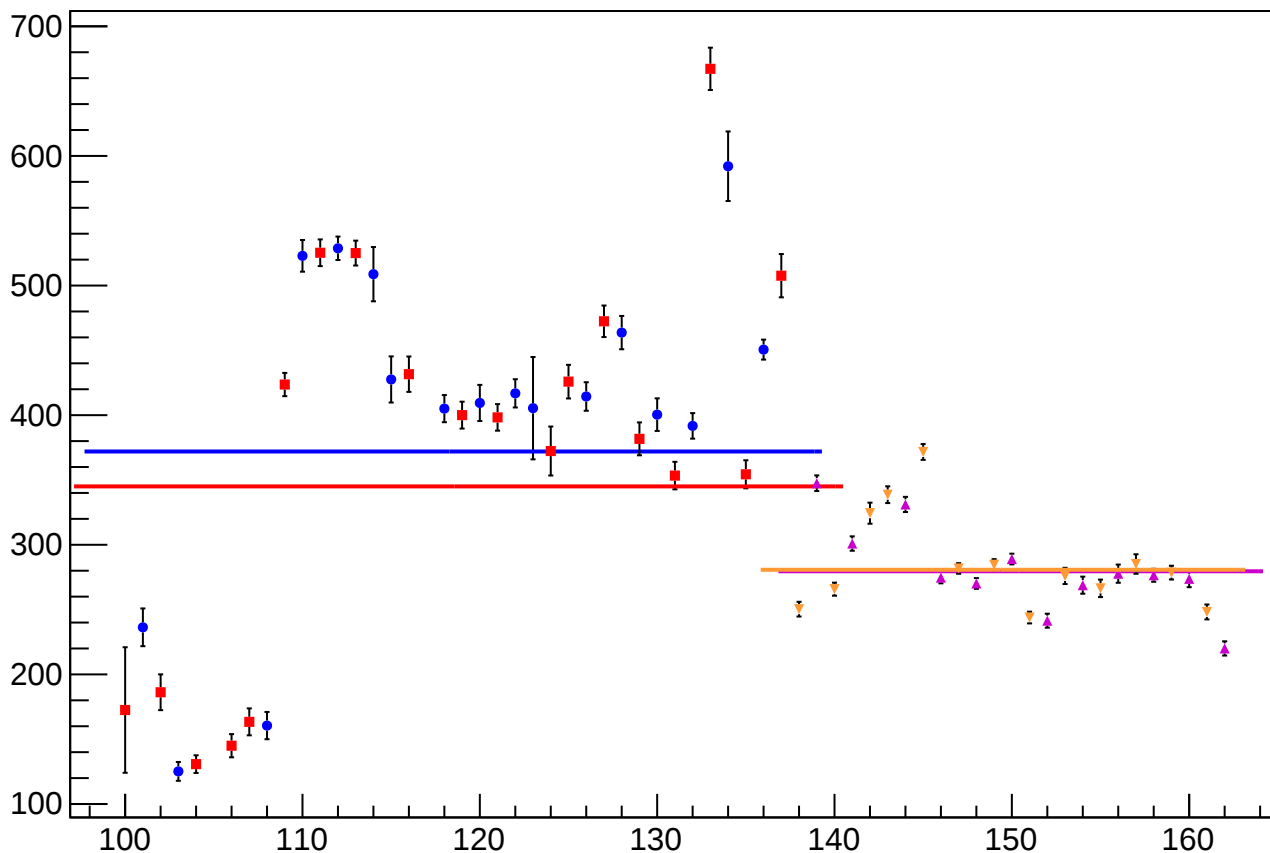
Left In: 11.166 ± 1.043 $\chi^2/\text{NDF}: 195.8/11$

+ sign 7.360 ± 0.846 $\chi^2/\text{NDF}: 477.3/29$

All: 7.634 ± 0.595 $\chi^2/\text{NDF}: 934.0/60$

- sign 7.902 ± 0.836 $\chi^2/\text{NDF}: 456.5/30$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 ± 2.778 $\chi^2/\text{NDF}: 2432.6/16$

Left Out: 280.723 ± 1.526 $\chi^2/\text{NDF}: 473.0/12$

Right Out: 345.043 ± 2.562 $\chi^2/\text{NDF}: 3415.2/18$

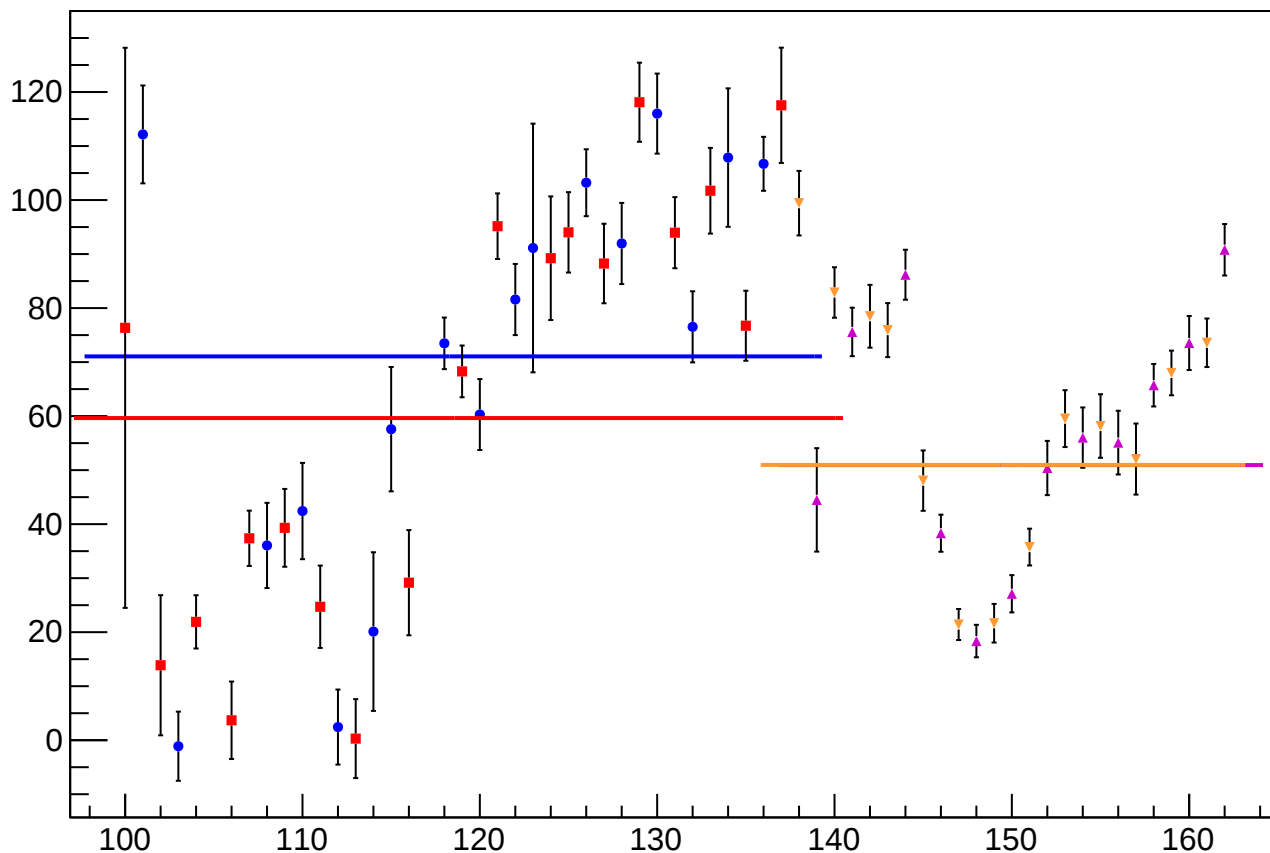
Left In: 279.560 ± 1.522 $\chi^2/\text{NDF}: 402.0/11$

+ sign 301.889 ± 1.338 $\chi^2/\text{NDF}: 3734.5/29$

All: 299.210 ± 0.936 $\chi^2/\text{NDF}: 8042.4/60$

- sign 296.646 ± 1.309 $\chi^2/\text{NDF}: 4300.0/30$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 50.970 $\pm$ 1.233 χ^2 /NDF: 399.7/12

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

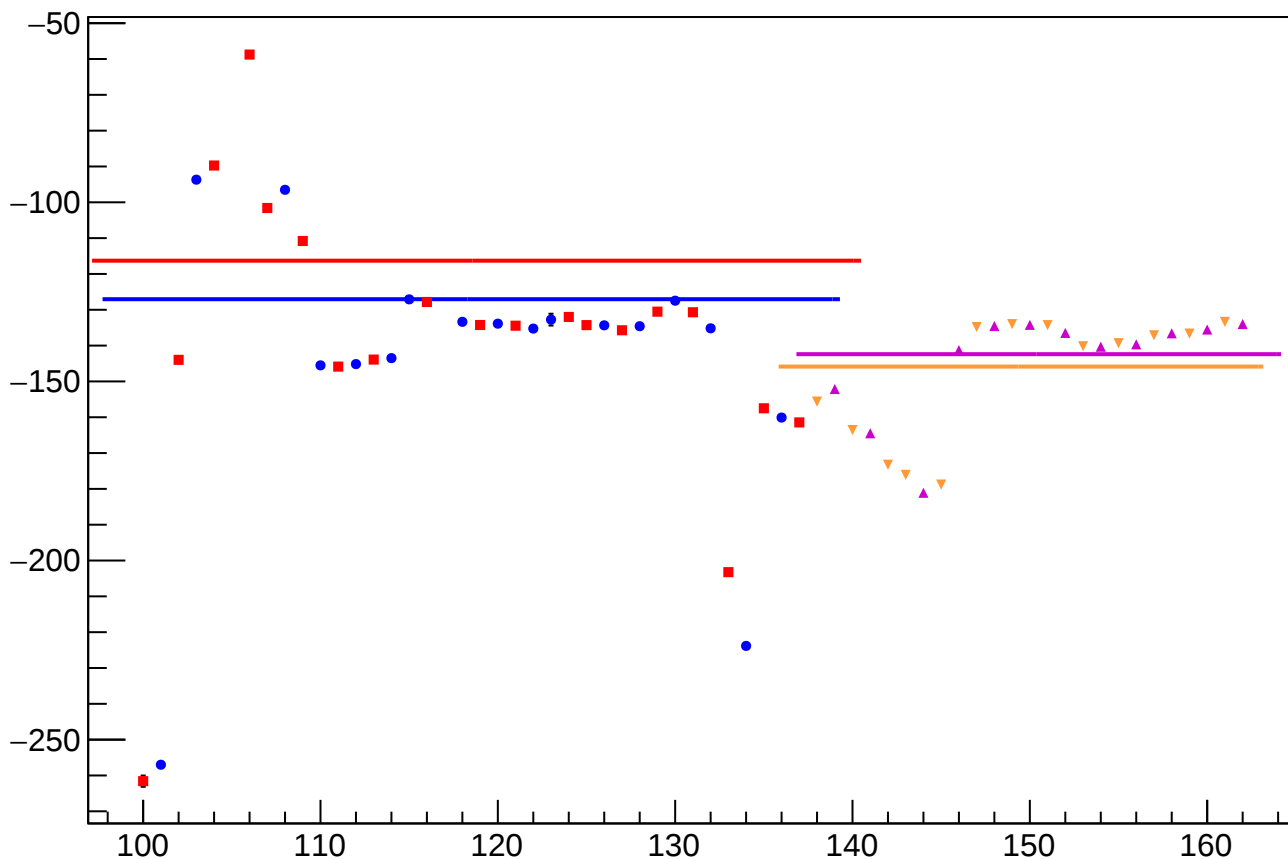
Left In: 50.934 $\pm$ 1.254 χ^2 /NDF: 373.1/11

+ sign 57.565 $\pm$ 1.011 χ^2 /NDF: 913.0/29

All: 55.838 $\pm$ 0.709 χ^2 /NDF: 1801.3/60

- sign 54.168 $\pm$ 0.994 χ^2 /NDF: 882.6/30

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 $\pm$ 0.090 χ^2 /NDF: 167014.4/16

Left Out: -145.857 $\pm$ 0.061 χ^2 /NDF: 66664.4/12

Right Out: -116.295 $\pm$ 0.083 χ^2 /NDF: 167109.1/18

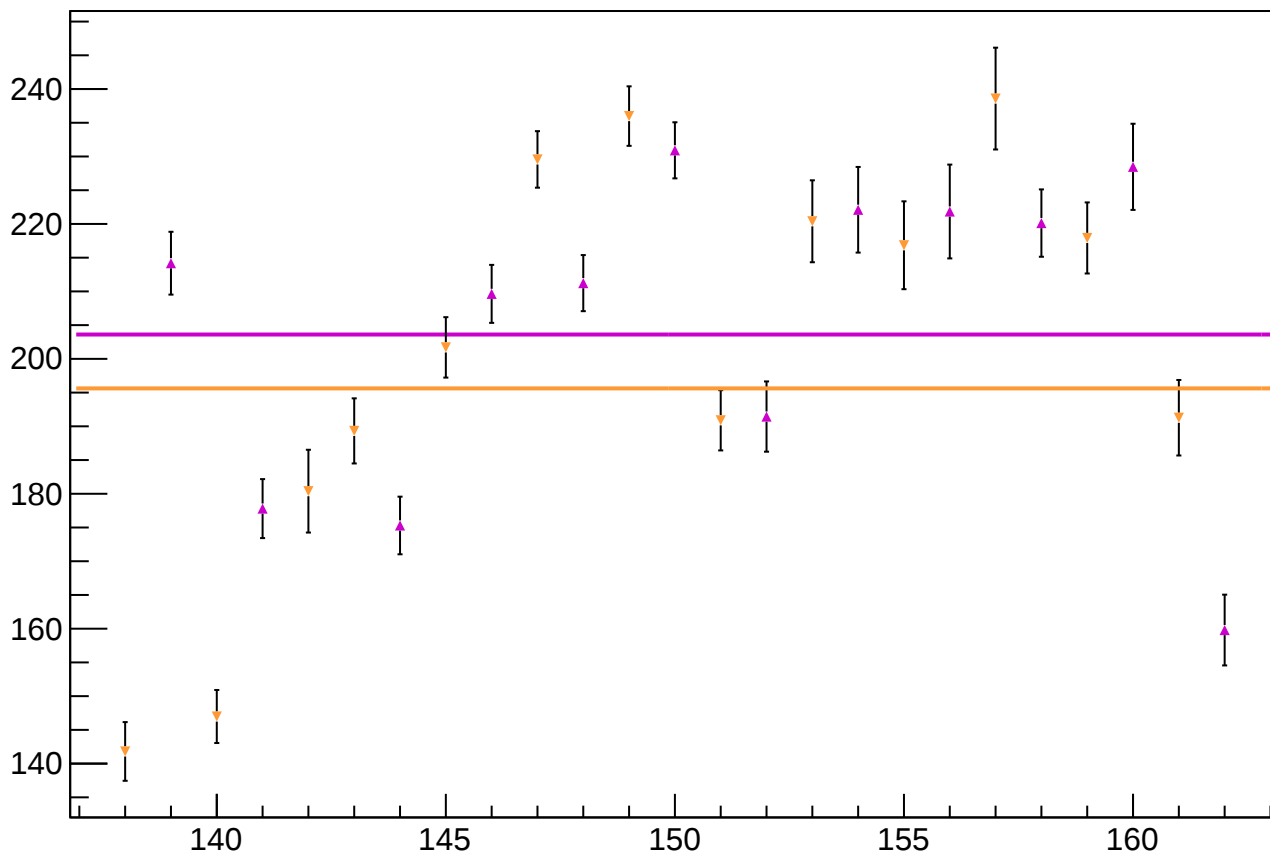
Left In: -142.392 $\pm$ 0.060 χ^2 /NDF: 43056.9/11

+ sign -139.874 $\pm$ 0.051 χ^2 /NDF: 263605.5/29

All: -136.496 $\pm$ 0.035 χ^2 /NDF: 547009.1/60

- sign -133.354 $\pm$ 0.049 χ^2 /NDF: 274814.7/30

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 195.621+/-1.372 χ^2/NDF : 544.5/12

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

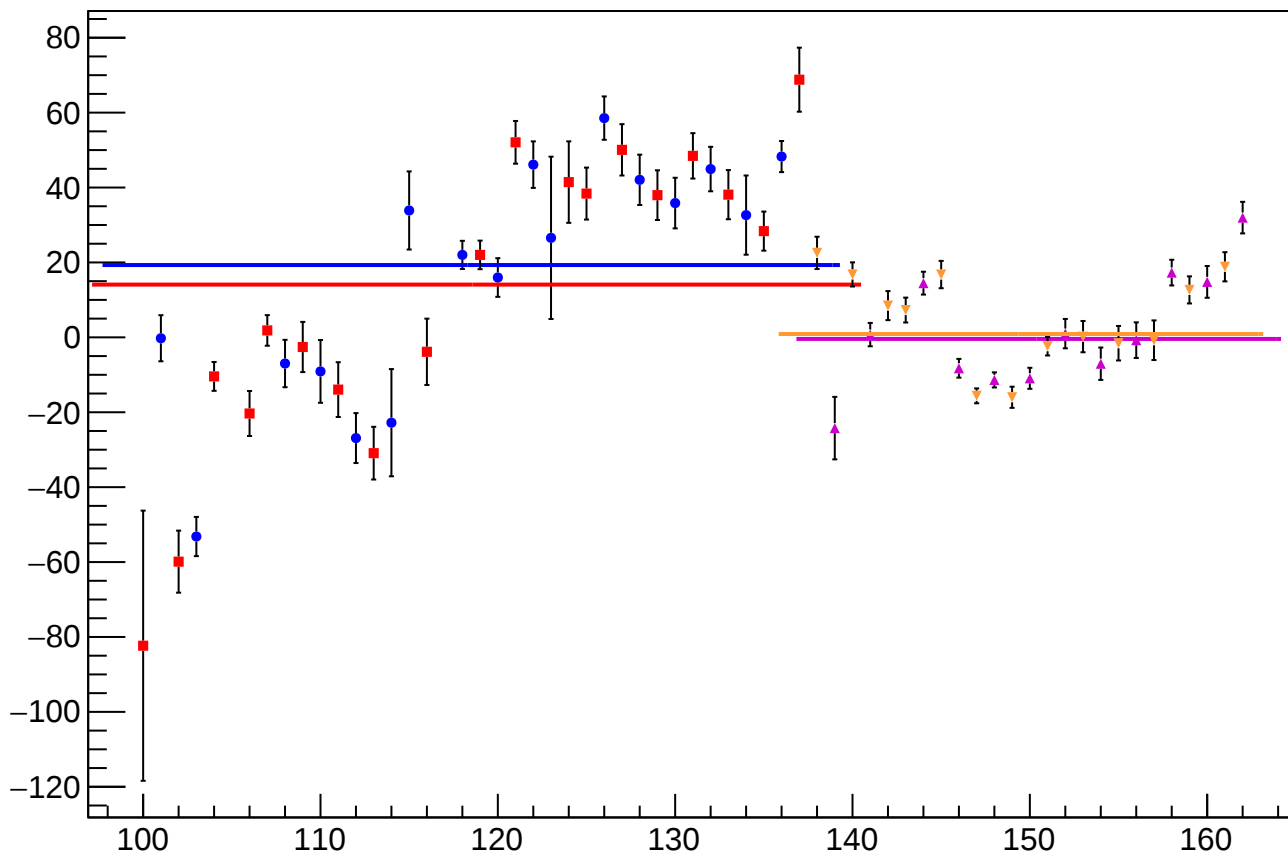
Left In: 203.608+/-1.405 χ^2/NDF : 249.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 199.517+/-0.982 χ^2/NDF : 810.1/24

- 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: 0.895 ± 0.910 χ^2/NDF : 215.0/12

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

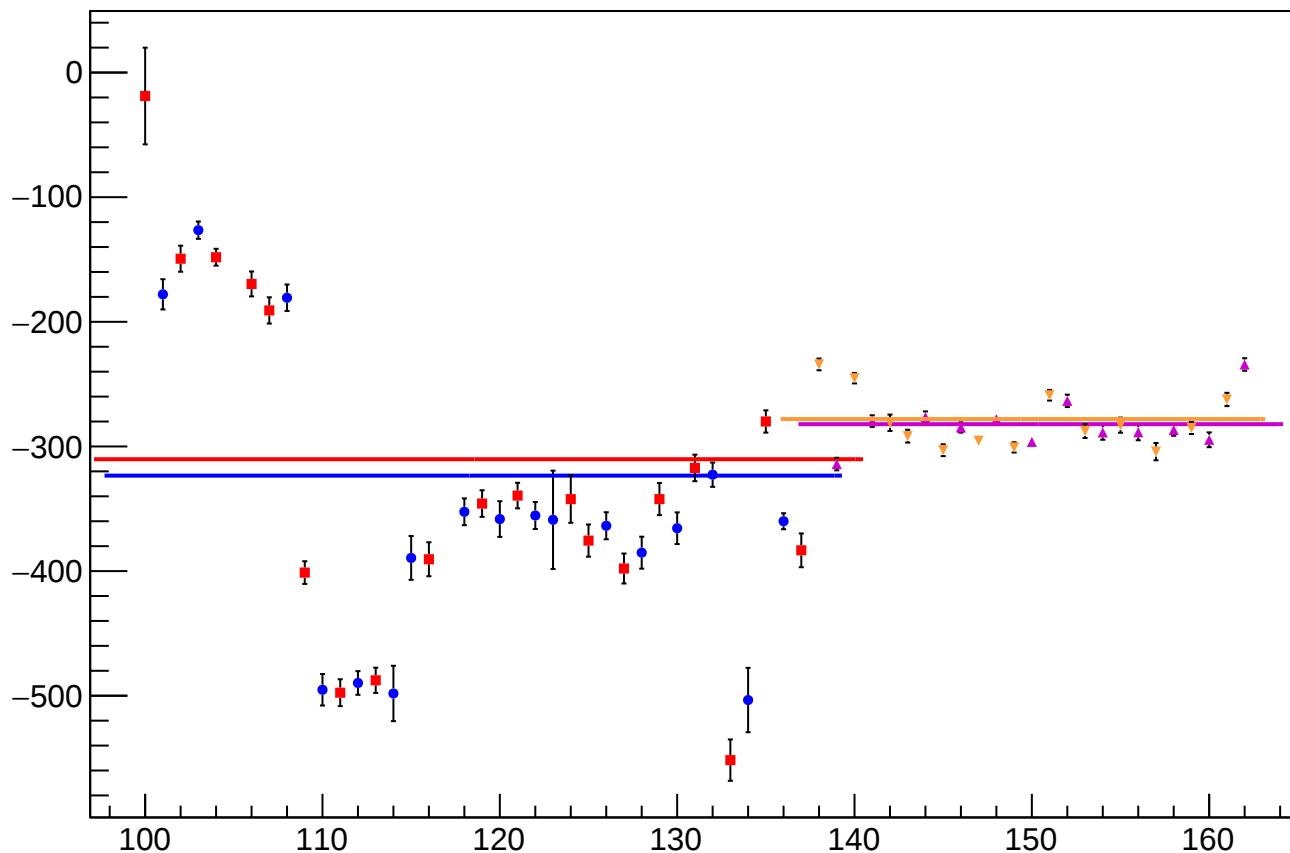
Left In: -0.424 ± 0.946 χ^2/NDF : 186.5/11

+ sign 5.849 ± 0.778 χ^2/NDF : 766.4/29

All: 5.014 ± 0.552 χ^2/NDF : 1466.5/60

- sign 4.171 ± 0.782 χ^2/NDF : 697.8/30

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 χ^2/NDF : 1849.6/16

Left Out: -278.006 ± 1.357 χ^2/NDF : 281.6/12

Right Out: -310.236 ± 2.523 χ^2/NDF : 2298.8/18

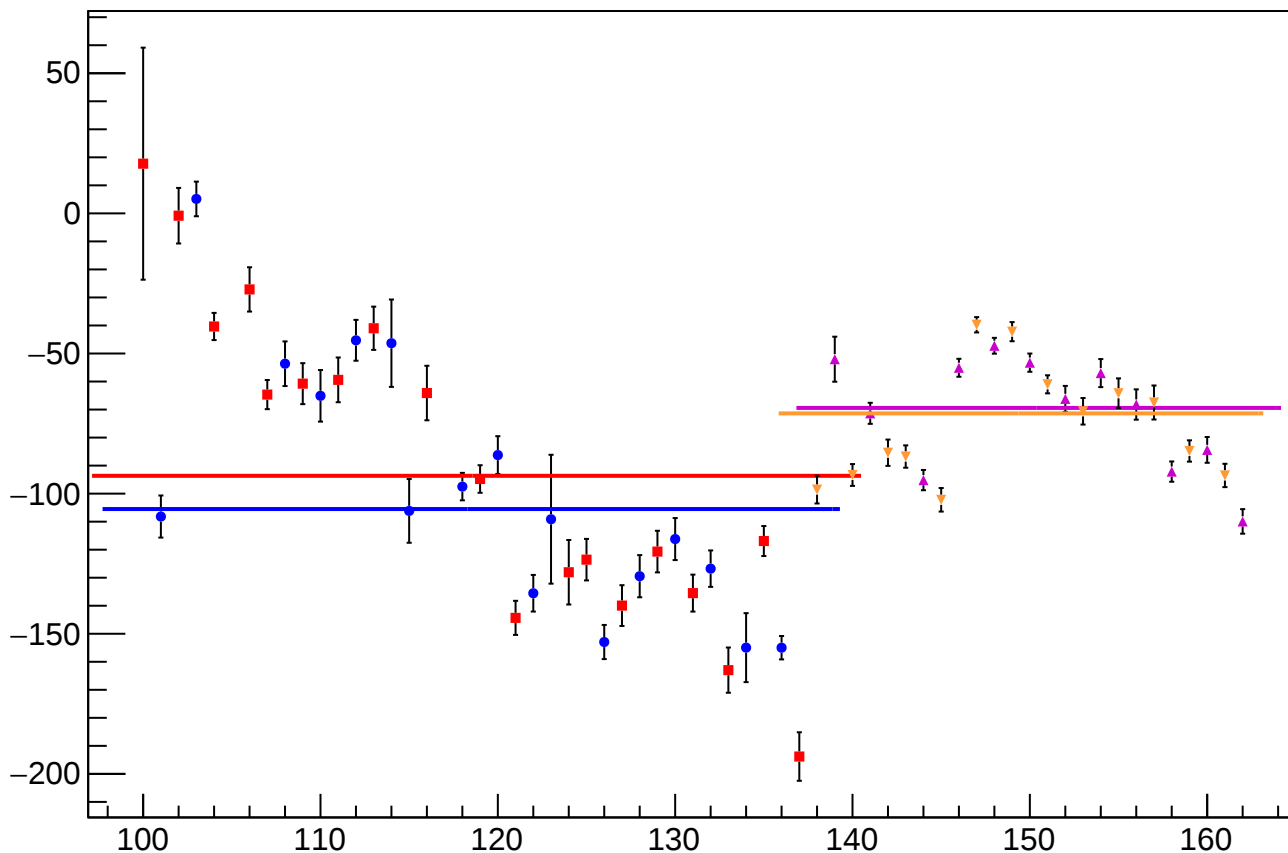
Left In: -282.115 ± 1.371 χ^2/NDF : 168.6/11

+ sign -287.249 ± 1.211 χ^2/NDF : 2359.0/29

All: -287.889 ± 0.854 χ^2/NDF : 4922.9/60

- sign -288.522 ± 1.204 χ^2/NDF : 2563.3/30

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -71.373 ± 1.103 χ^2/NDF : 399.5/12

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

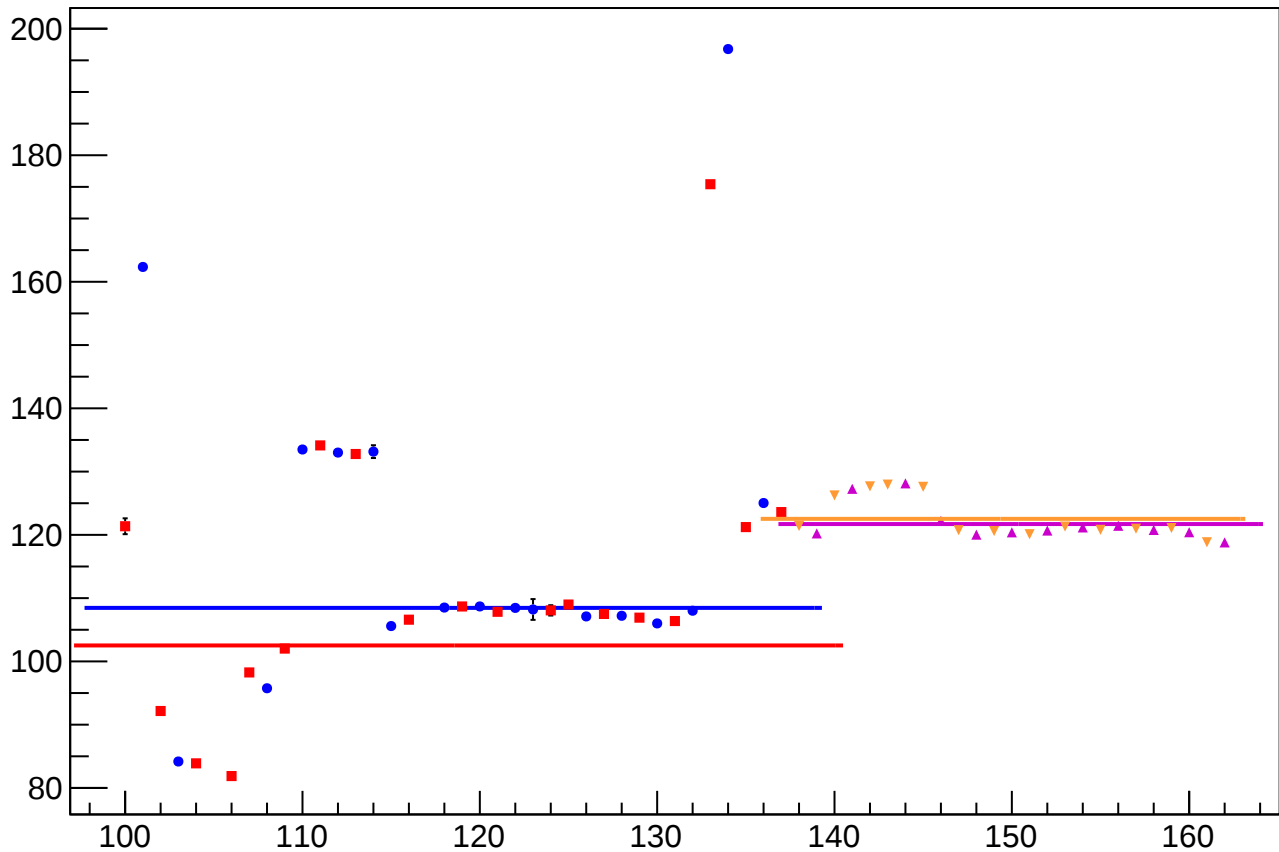
Left In: -69.415 ± 1.134 χ^2/NDF : 304.4/11

+ sign -81.388 ± 0.927 χ^2/NDF : 1417.5/29

All: -79.419 ± 0.656 χ^2/NDF : 2709.2/60

- sign -77.450 ± 0.927 χ^2/NDF : 1282.7/30

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 ± 0.085 $\chi^2/\text{NDF}: 73301.9/16$

Left Out: 122.532 ± 0.054 $\chi^2/\text{NDF}: 3193.4/12$

Right Out: 102.521 ± 0.080 $\chi^2/\text{NDF}: 52992.1/18$

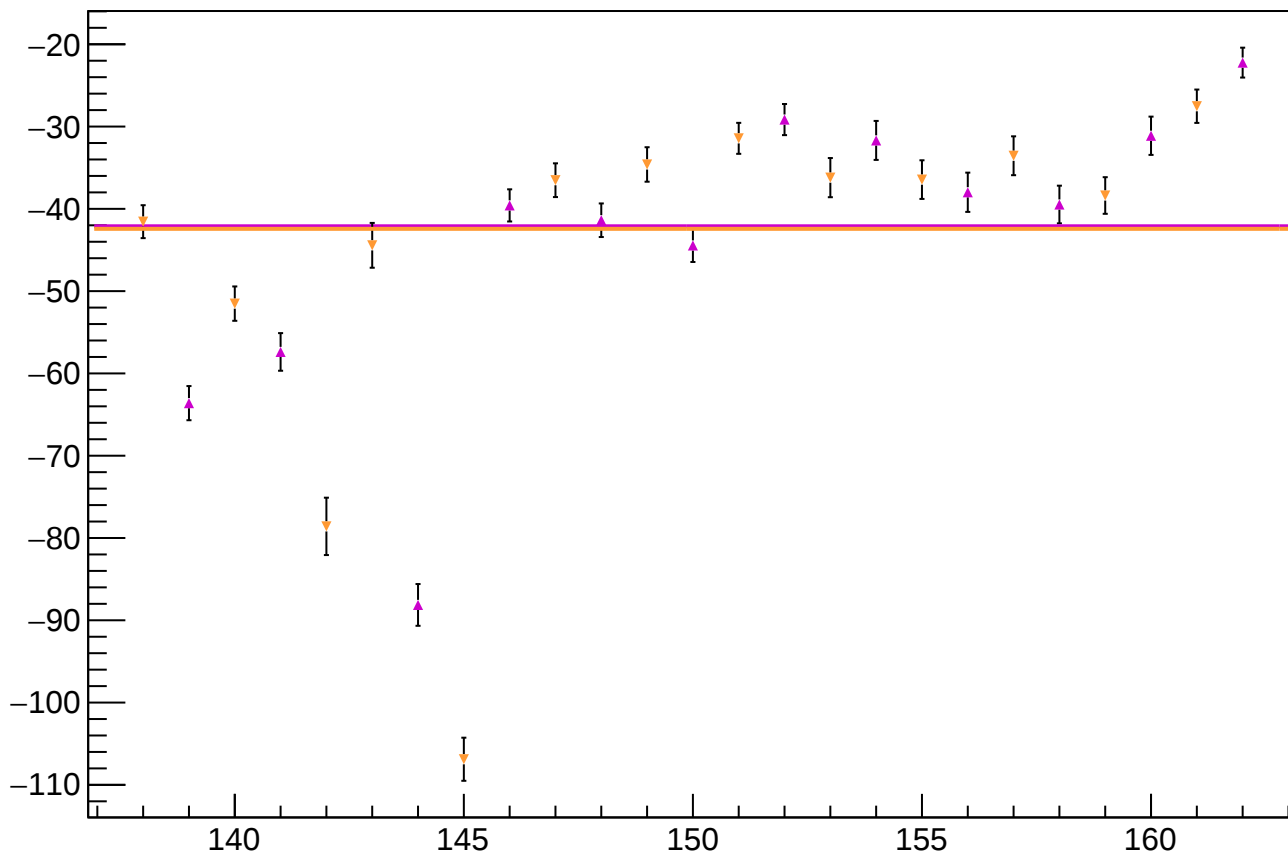
Left In: 121.709 ± 0.054 $\chi^2/\text{NDF}: 2470.0/11$

+ sign 118.445 ± 0.046 $\chi^2/\text{NDF}: 95942.9/29$

All: 116.995 ± 0.032 $\chi^2/\text{NDF}: 193036.7/60$

- sign 115.605 ± 0.045 $\chi^2/\text{NDF}: 95132.5/30$

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -42.429+/-0.623 χ^2/NDF : 874.2/12

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

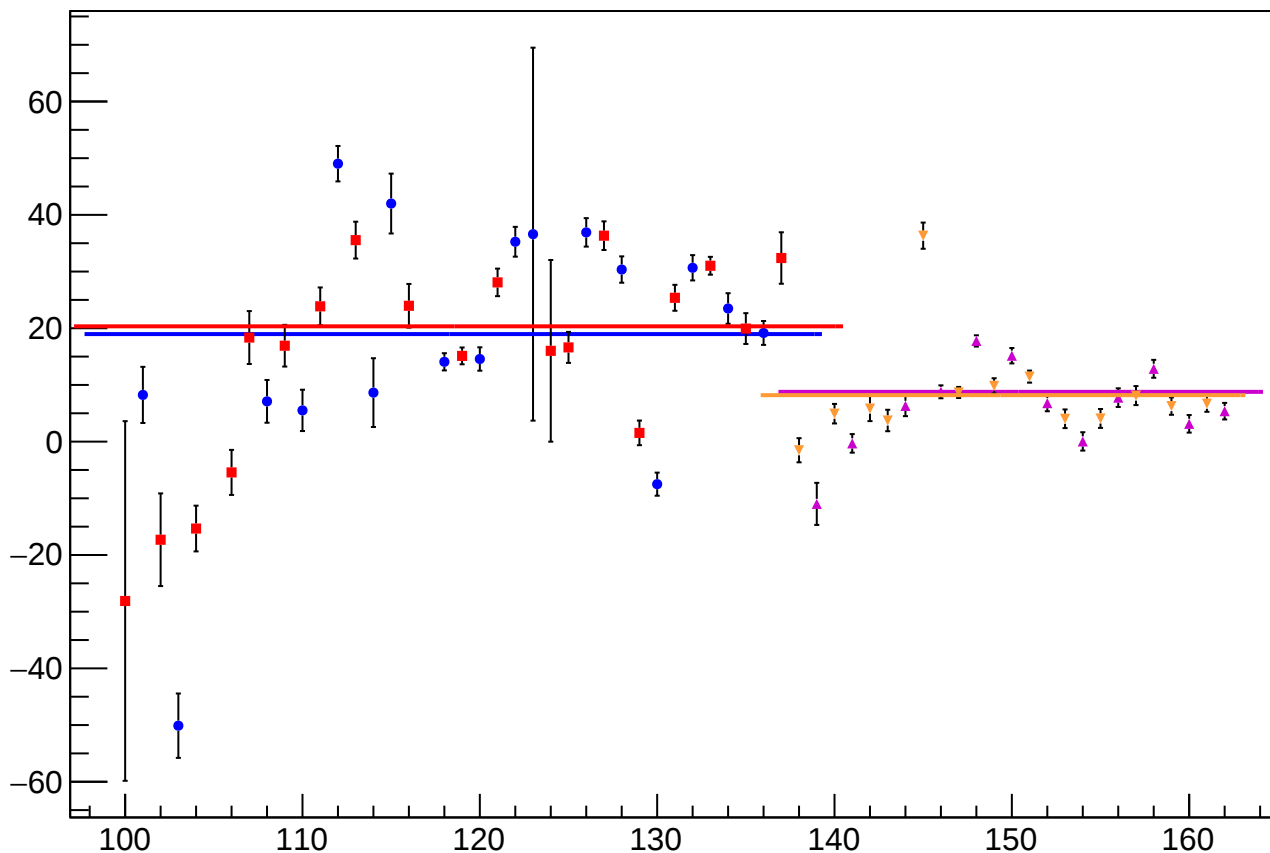
Left In: -42.120+/-0.615 χ^2/NDF : 696.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -42.272+/-0.438 χ^2/NDF : 1571.1/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 8.194 ± 0.418 χ^2/NDF : 205.7/12

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

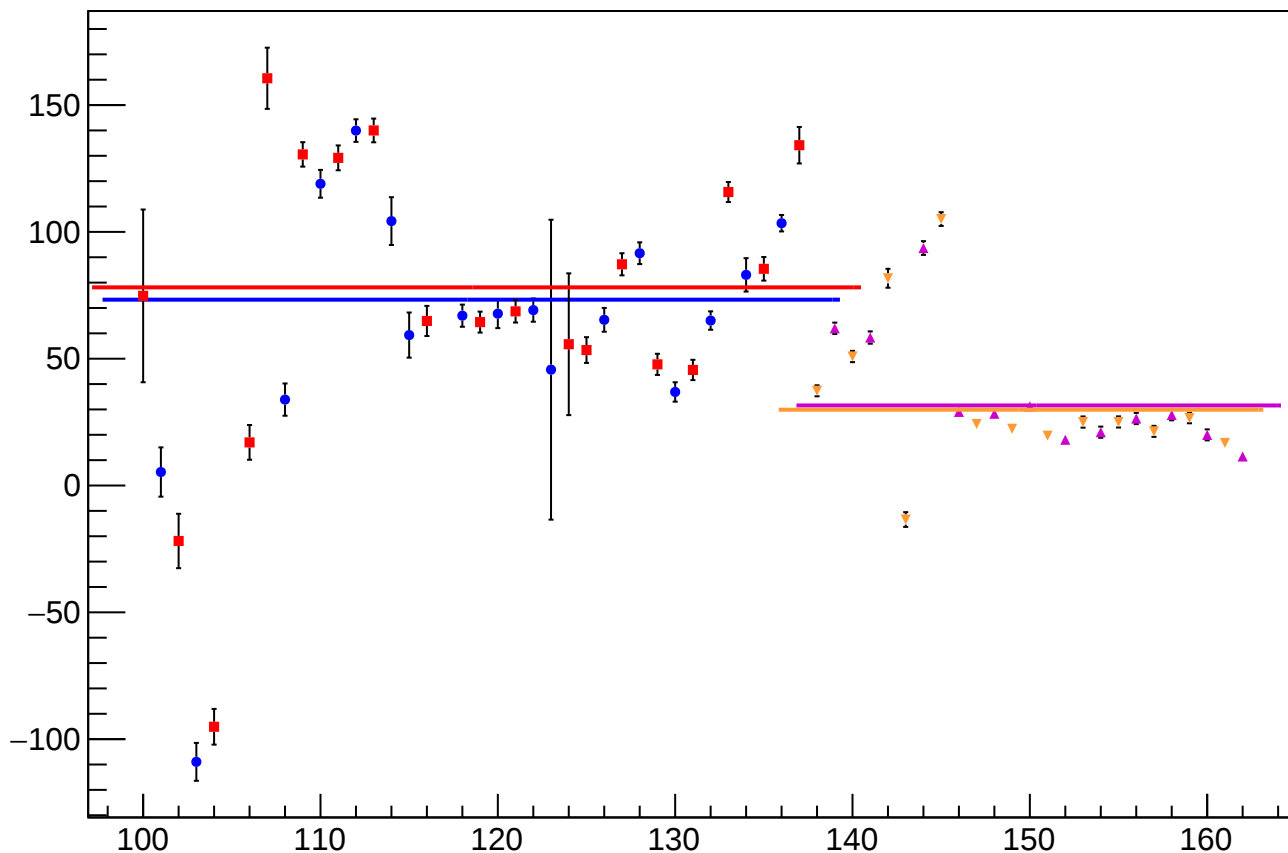
Left In: 8.781 ± 0.423 χ^2/NDF : 221.6/11

+ sign 11.330 ± 0.352 χ^2/NDF : 1017.2/29

All: 11.801 ± 0.249 χ^2/NDF : 1834.8/60

- sign 12.274 ± 0.353 χ^2/NDF : 814.0/30

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 29.893 $\pm$ 0.608 χ^2 /NDF: 1417.5/12

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

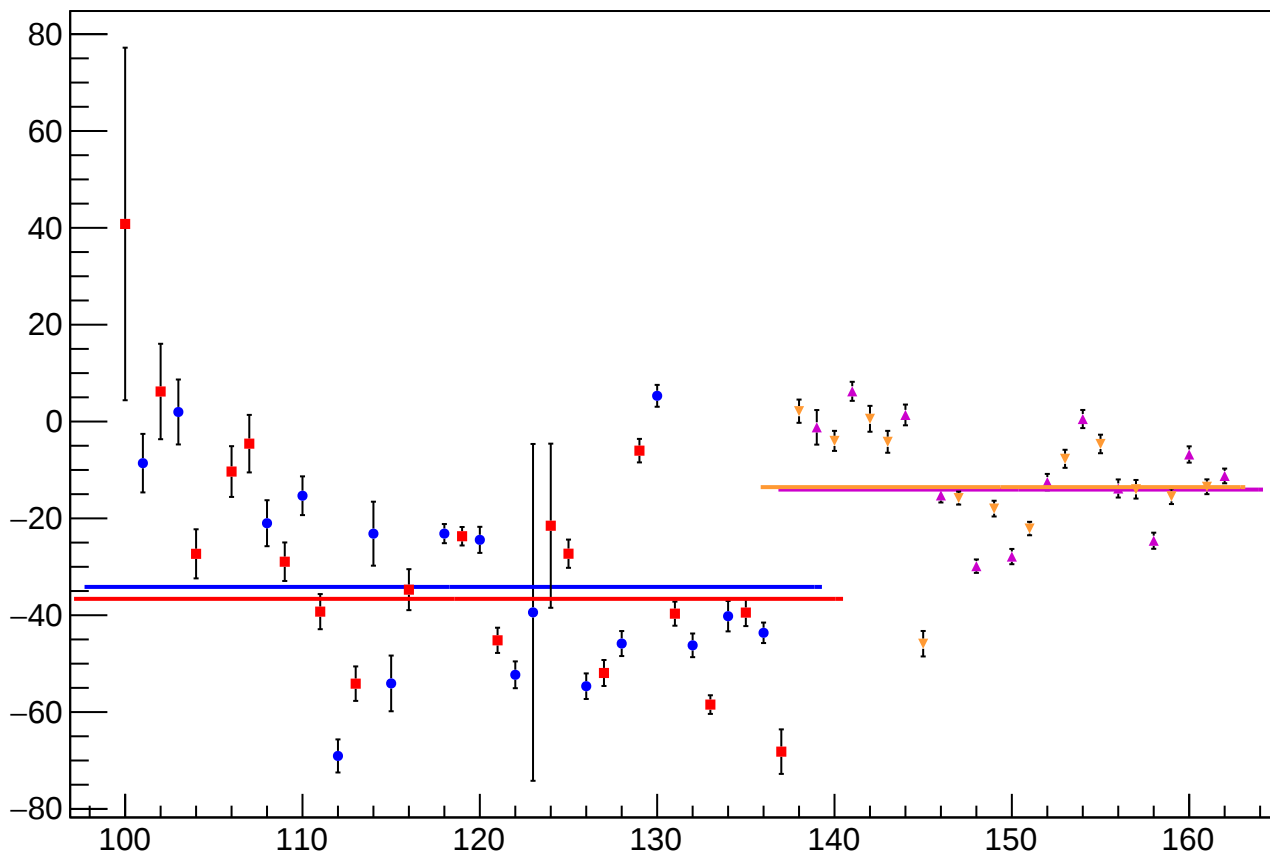
Left In: 31.567 $\pm$ 0.595 χ^2 /NDF: 1080.1/11

+ sign 38.333 $\pm$ 0.545 χ^2 /NDF: 3607.8/29

All: 39.429 $\pm$ 0.382 χ^2 /NDF: 7412.0/60

- sign 40.482 $\pm$ 0.535 χ^2 /NDF: 3796.3/30

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.545 ± 0.501 χ^2/NDF : 341.3/12

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

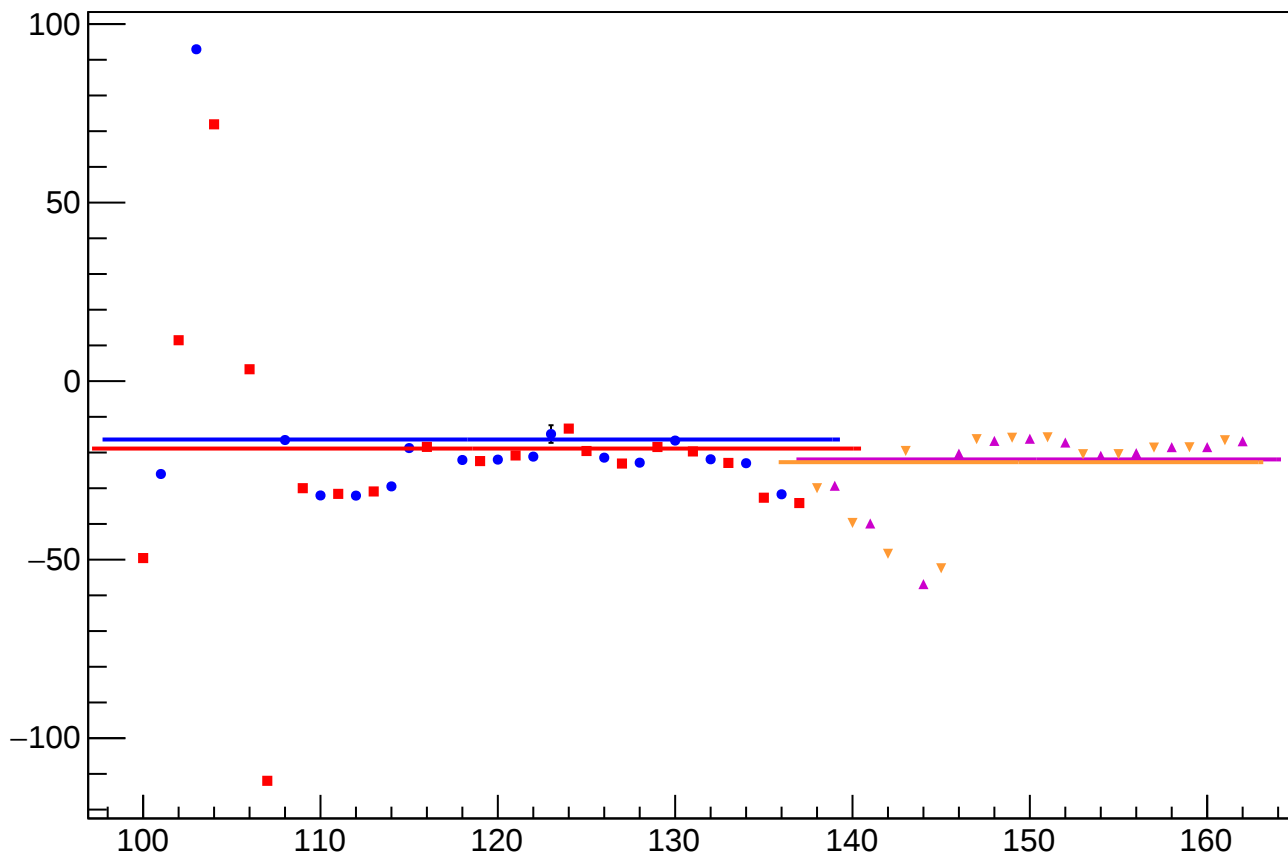
Left In: -14.053 ± 0.499 χ^2/NDF : 502.4/11

+ sign -19.962 ± 0.416 χ^2/NDF : 1585.8/29

All: -20.567 ± 0.293 χ^2/NDF : 3283.6/60

- sign -21.165 ± 0.413 χ^2/NDF : 1693.6/30

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -22.699 ± 0.024 $\chi^2/\text{NDF}: 180251.2/12$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

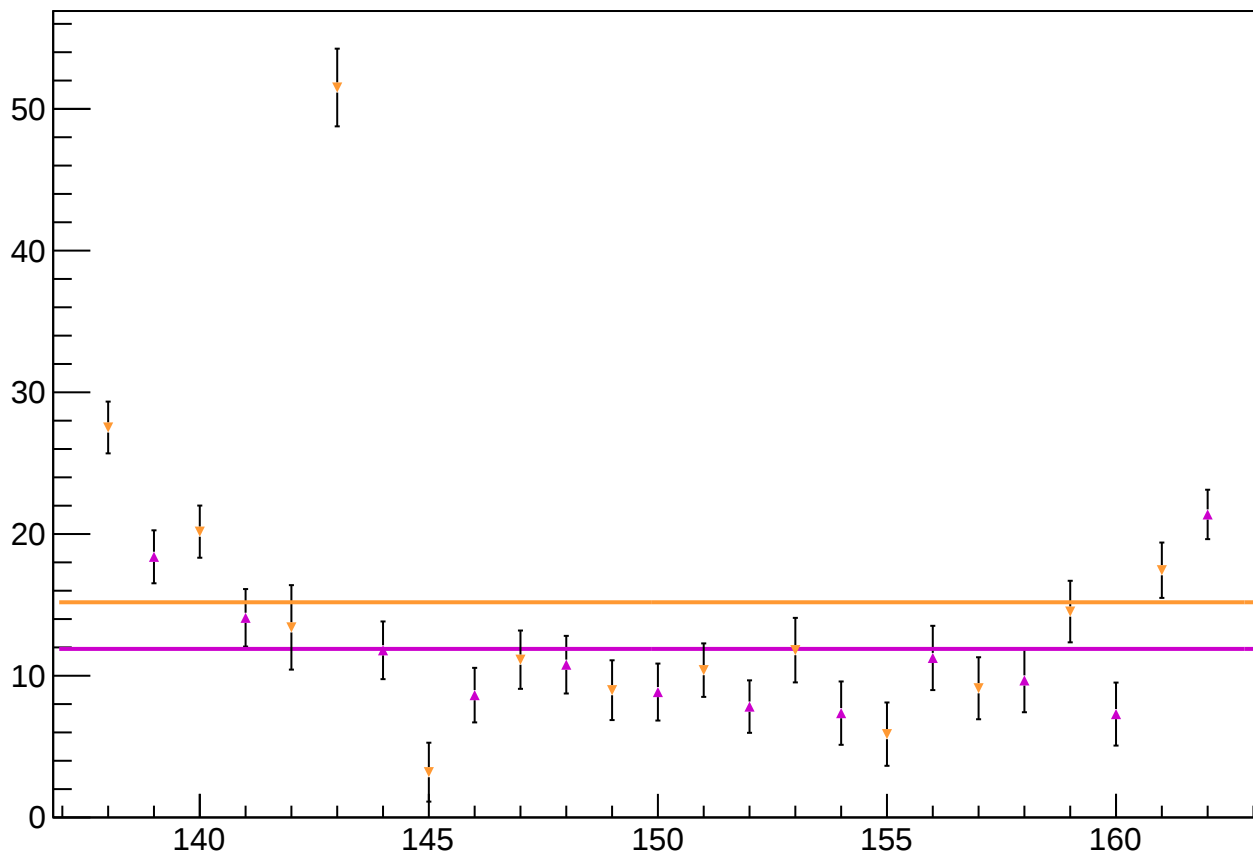
Left In: -21.930 ± 0.023 $\chi^2/\text{NDF}: 152235.3/11$

+ sign -21.299 ± 0.021 $\chi^2/\text{NDF}: 670215.4/29$

All: -21.299 ± 0.015 $\chi^2/\text{NDF}: 1259824.9/60$

- sign -21.300 ± 0.021 $\chi^2/\text{NDF}: 589609.5/30$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 15.185+/-0.588 χ^2/NDF : 309.8/12

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

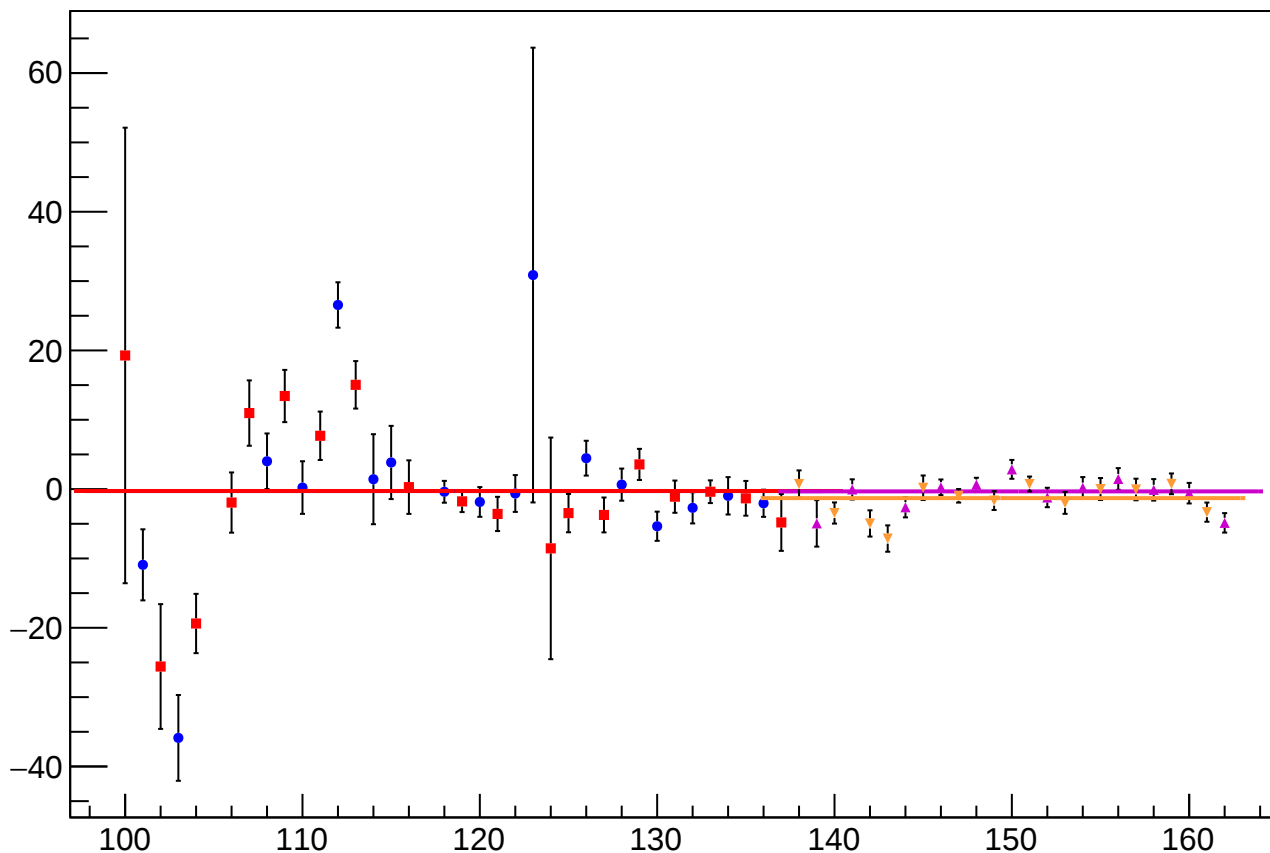
Left In: 11.894+/-0.583 χ^2/NDF : 62.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 13.523+/-0.414 χ^2/NDF : 388.2/24

- 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: -1.300 ± 0.401 χ^2/NDF : 26.2/12

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

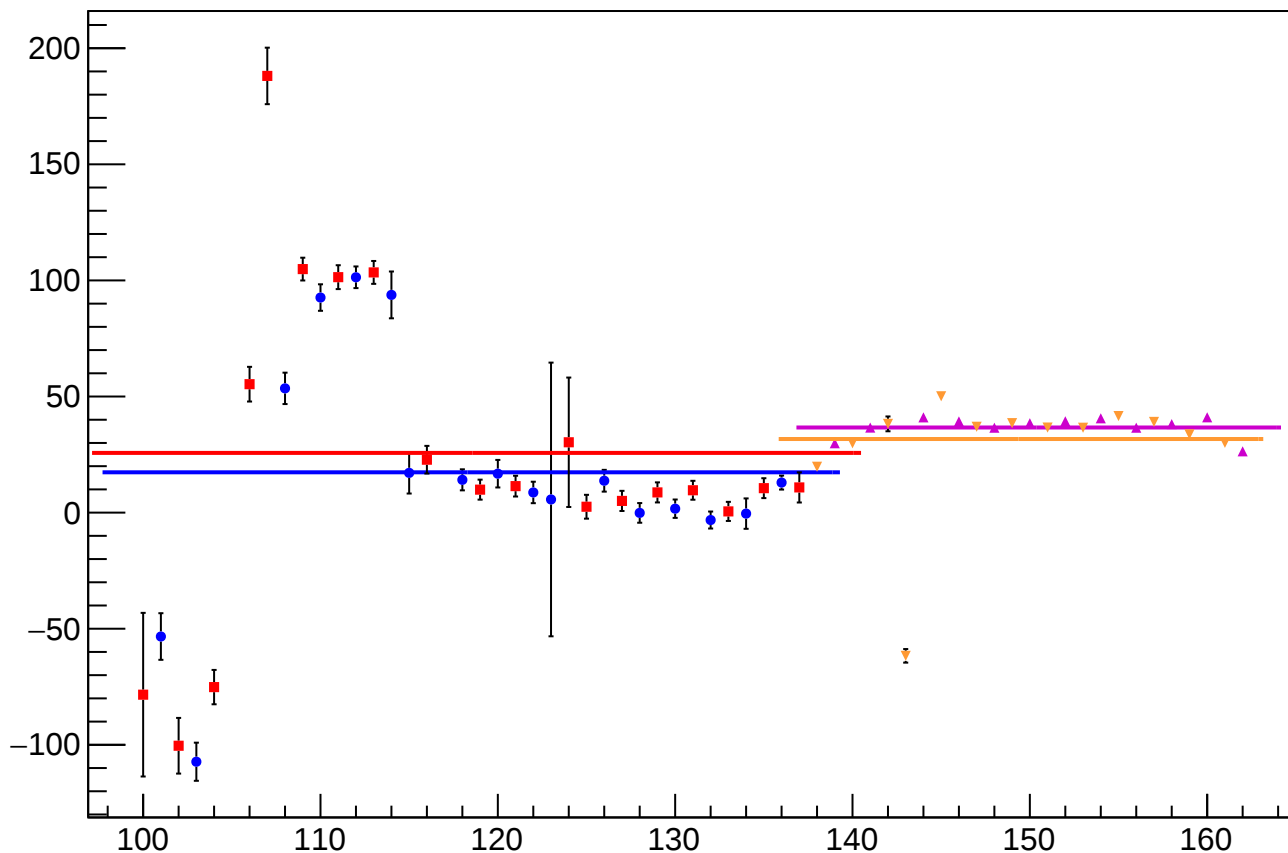
Left In: -0.328 ± 0.405 χ^2/NDF : 23.4/11

+ sign -1.026 ± 0.343 χ^2/NDF : 147.5/29

All: -0.670 ± 0.243 χ^2/NDF : 256.3/60

- sign -0.312 ± 0.345 χ^2/NDF : 106.6/30

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 31.699+/-0.577 χ^2/NDF : 1200.8/12

Right Out: 25.717+/-1.243 χ^2/NDF : 1378.8/18

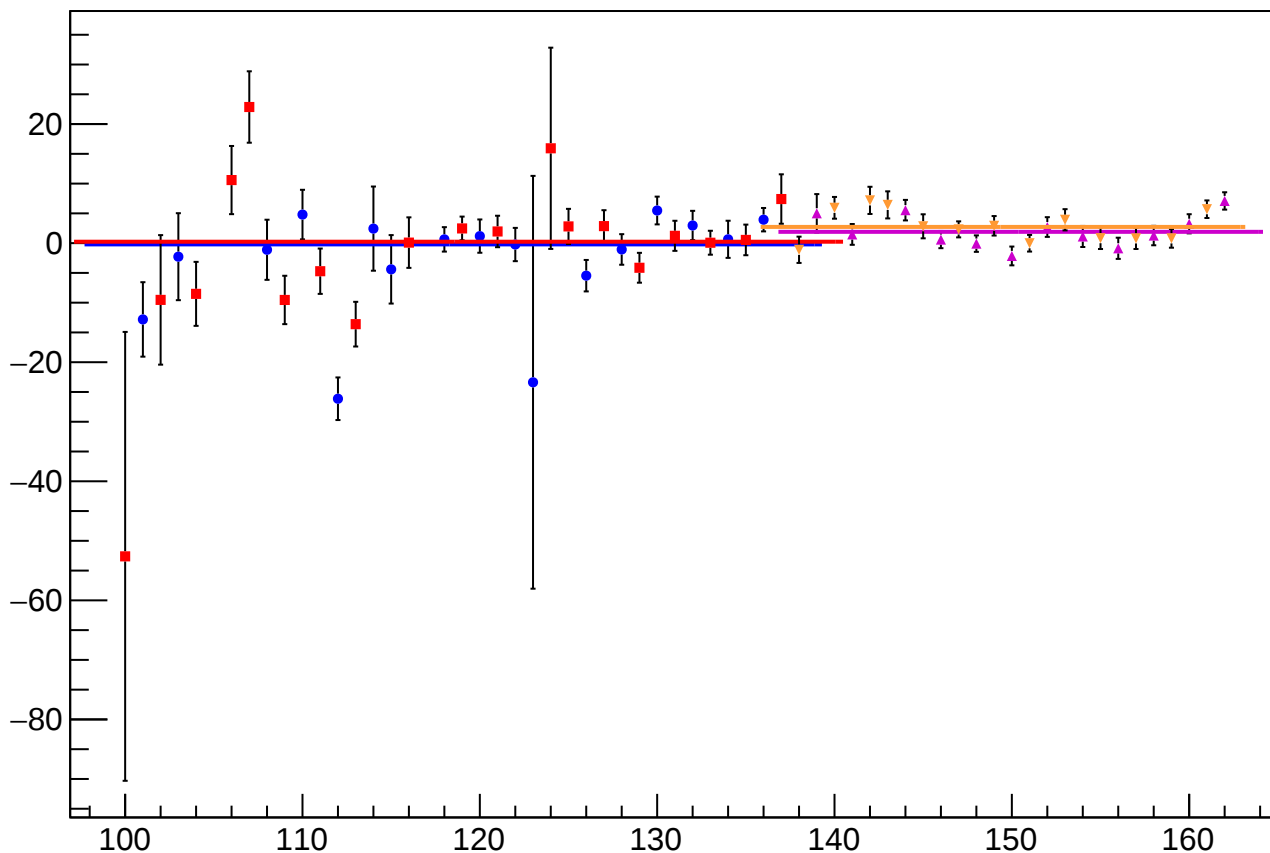
Left In: 36.658+/-0.566 χ^2/NDF : 66.5/11

+ sign 29.173+/-0.523 χ^2/NDF : 2252.8/29

All: 32.019+/-0.367 χ^2/NDF : 3820.6/60

- sign 34.778+/-0.515 χ^2/NDF : 1509.5/30

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.724 ± 0.479 χ^2/NDF : 24.8/12

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

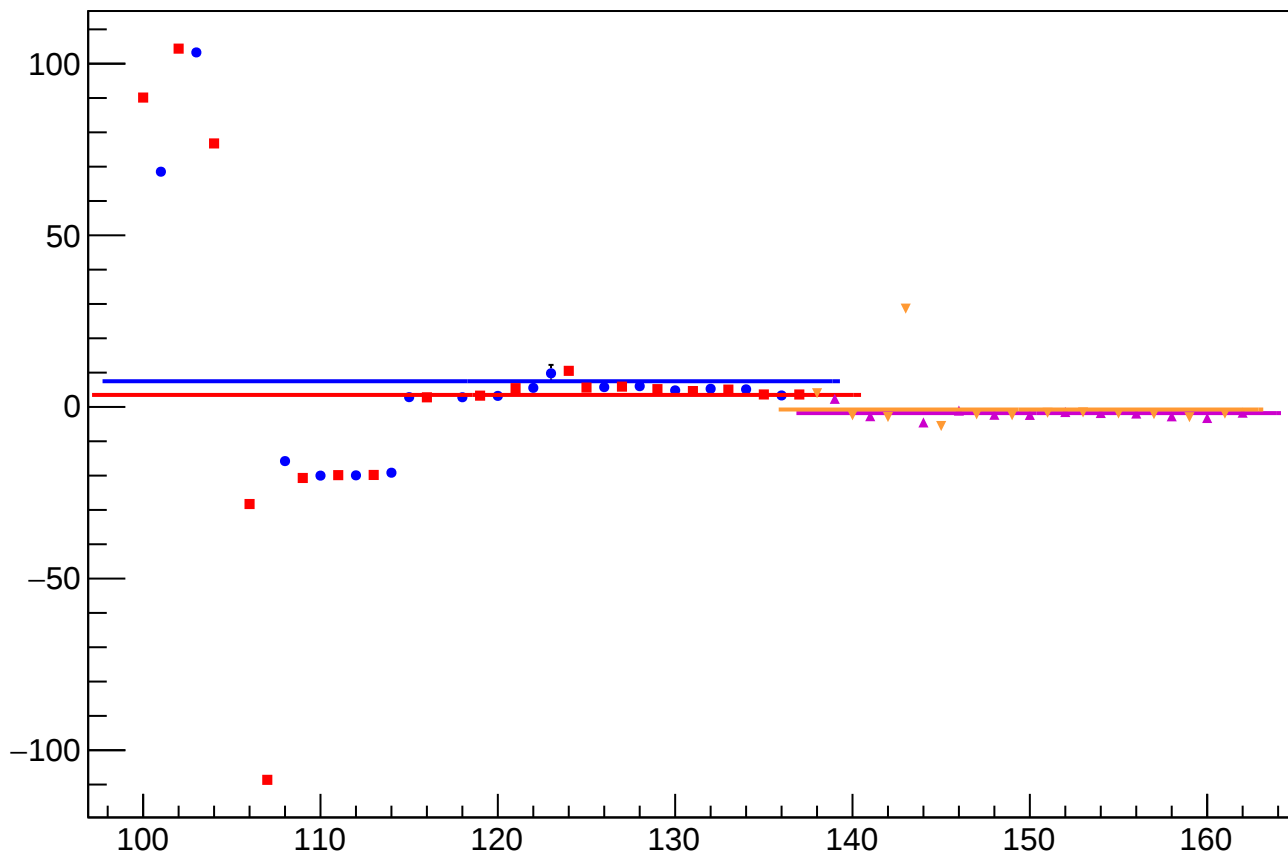
Left In: 1.898 ± 0.477 χ^2/NDF : 31.3/11

+ sign 1.878 ± 0.404 χ^2/NDF : 111.5/29

All: 1.648 ± 0.285 χ^2/NDF : 201.4/60

- sign 1.419 ± 0.402 χ^2/NDF : 89.3/30

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 ± 0.045 χ^2/NDF : 355979.0/16

Left Out: -0.744 ± 0.022 χ^2/NDF : 73444.4/12

Right Out: 3.504 ± 0.046 χ^2/NDF : 510579.4/18

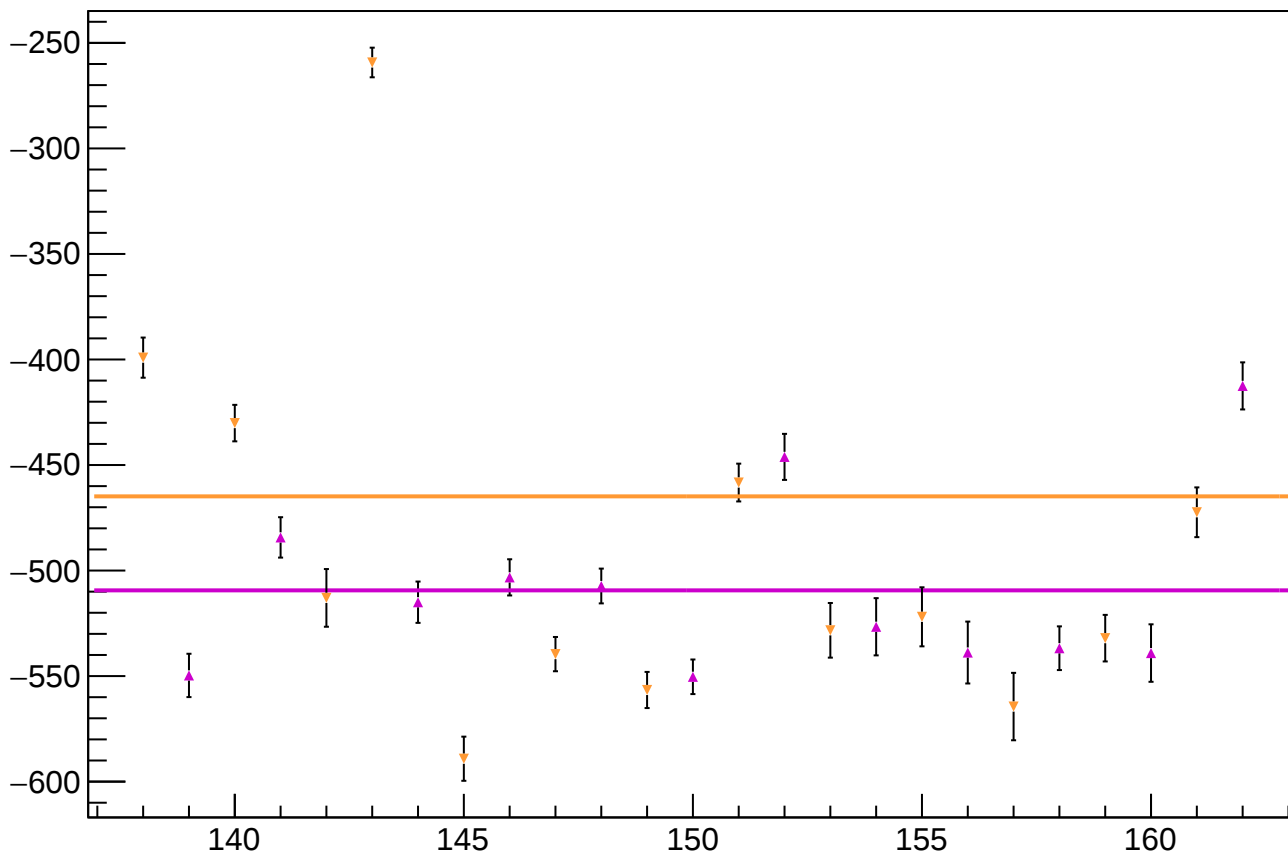
Left In: -1.794 ± 0.022 χ^2/NDF : 5019.9/11

+ sign 0.918 ± 0.020 χ^2/NDF : 456599.8/29

All: 0.053 ± 0.014 χ^2/NDF : 986823.9/60

- sign -0.794 ± 0.020 χ^2/NDF : 526537.5/30

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -464.853+/-2.764 χ^2/NDF :1392.6/12

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

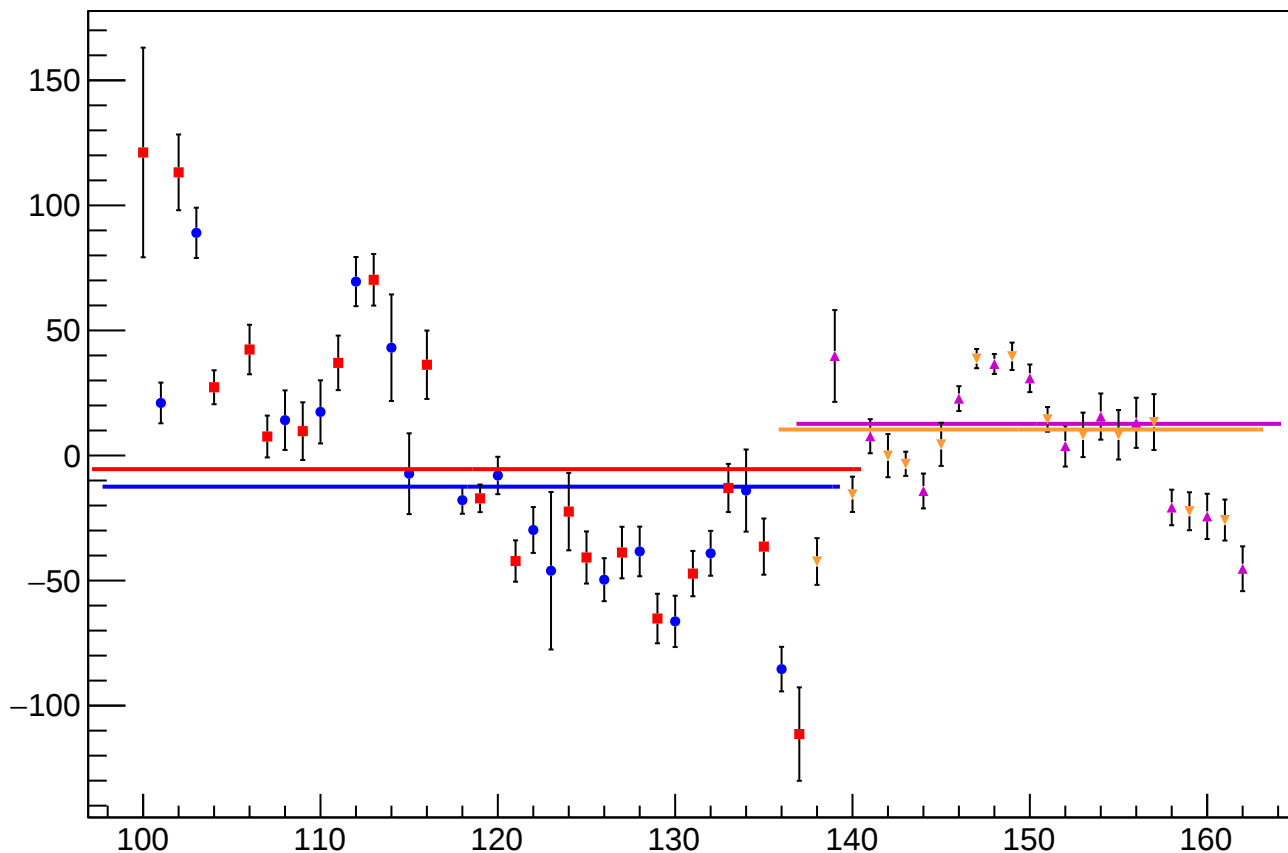
Left In: -509.385+/-2.945 χ^2/NDF :174.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -485.708+/-2.015 χ^2/NDF : 1688.9/24

- 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: 10.387 ± 1.807 χ^2/NDF : 177.2/12

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

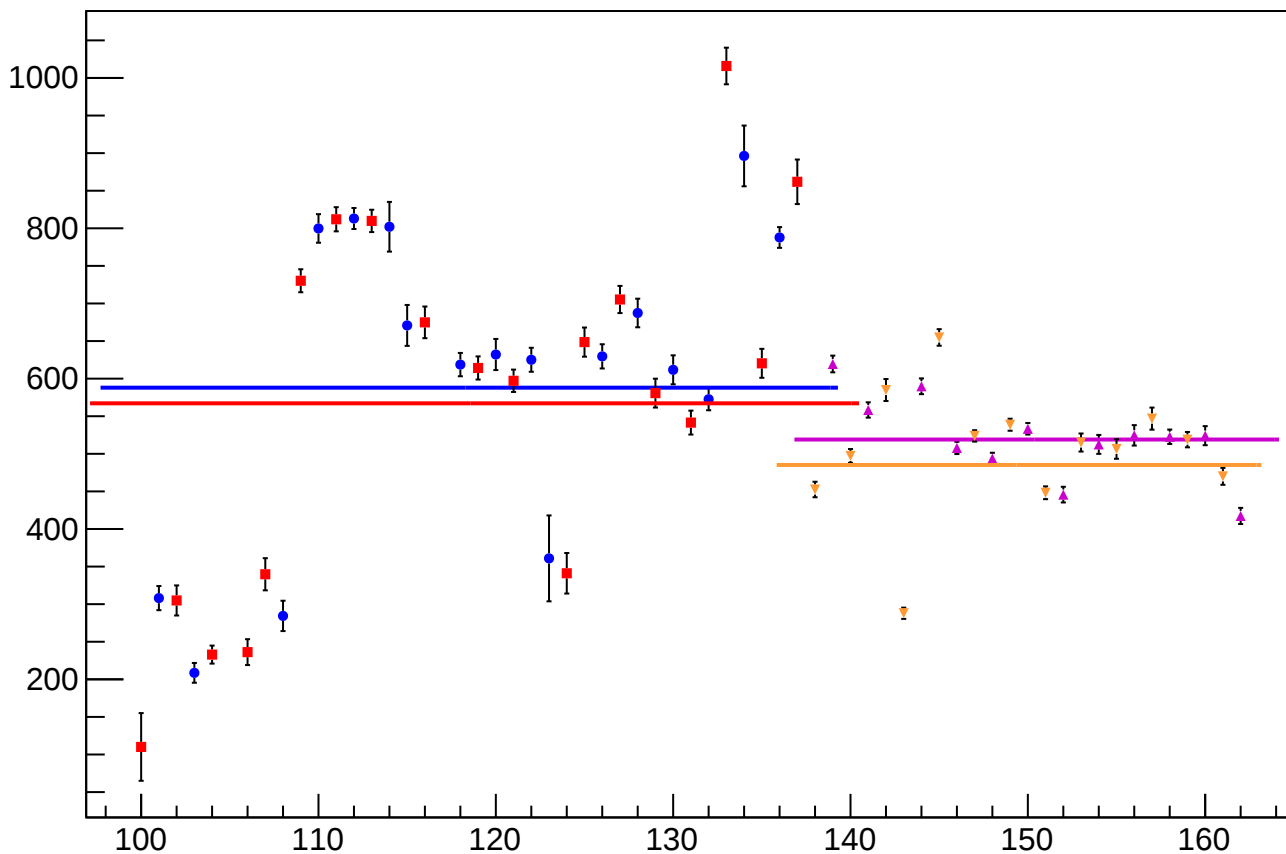
Left In: 12.664 ± 1.954 χ^2/NDF : 150.5/11

+ sign 1.893 ± 1.432 χ^2/NDF : 577.7/29

All: 3.355 ± 1.028 χ^2/NDF : 1112.1/60

- sign 4.911 ± 1.478 χ^2/NDF : 532.2/30

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 $\pm$ 4.353 χ^2 /NDF: 2129.6/16

Left Out: 485.168 $\pm$ 2.736 χ^2 /NDF:1117.4/12

Right Out: 567.179 $\pm$ 4.136 χ^2 /NDF: 2783.2/18

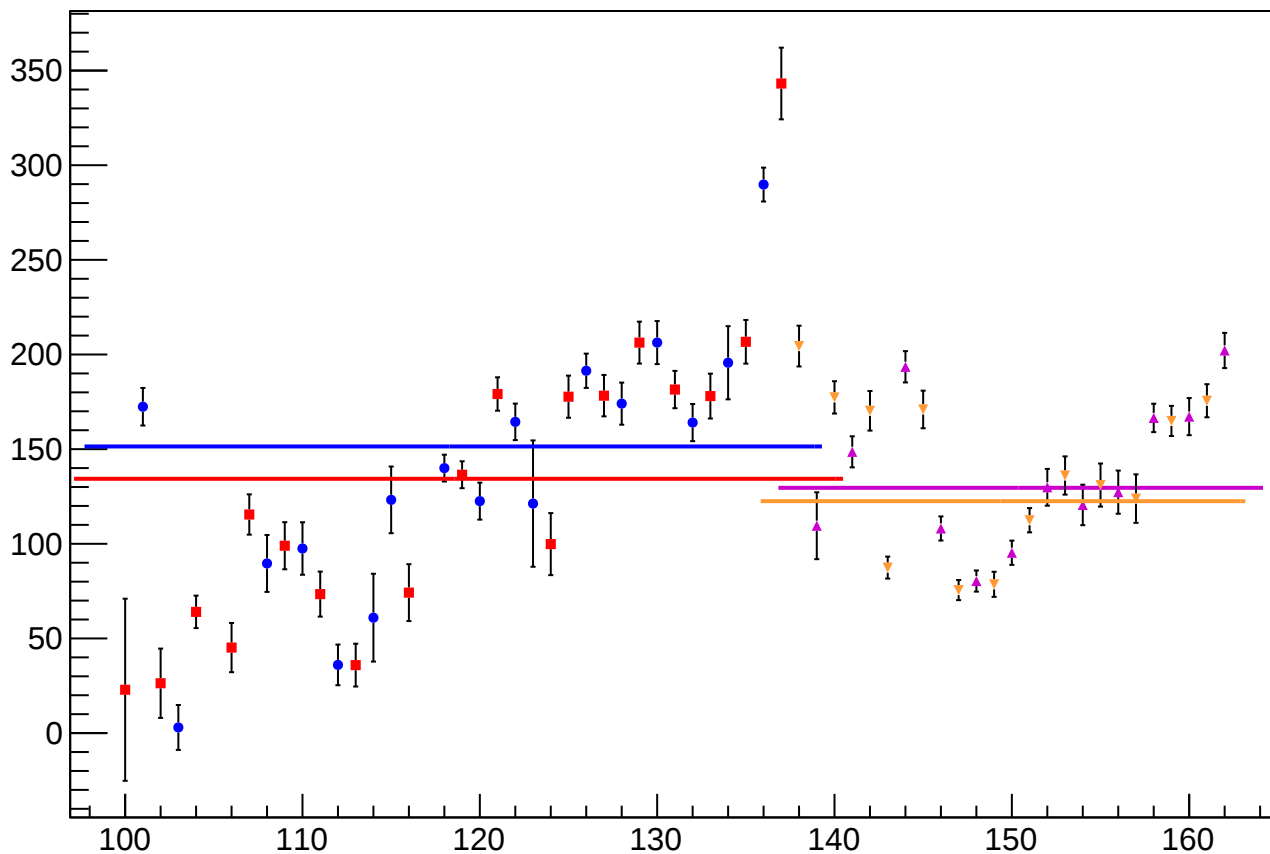
Left In: 519.006 $\pm$ 2.860 χ^2 /NDF:298.0/11

+ sign 514.282 $\pm$ 2.316 χ^2 /NDF: 3647.1/29

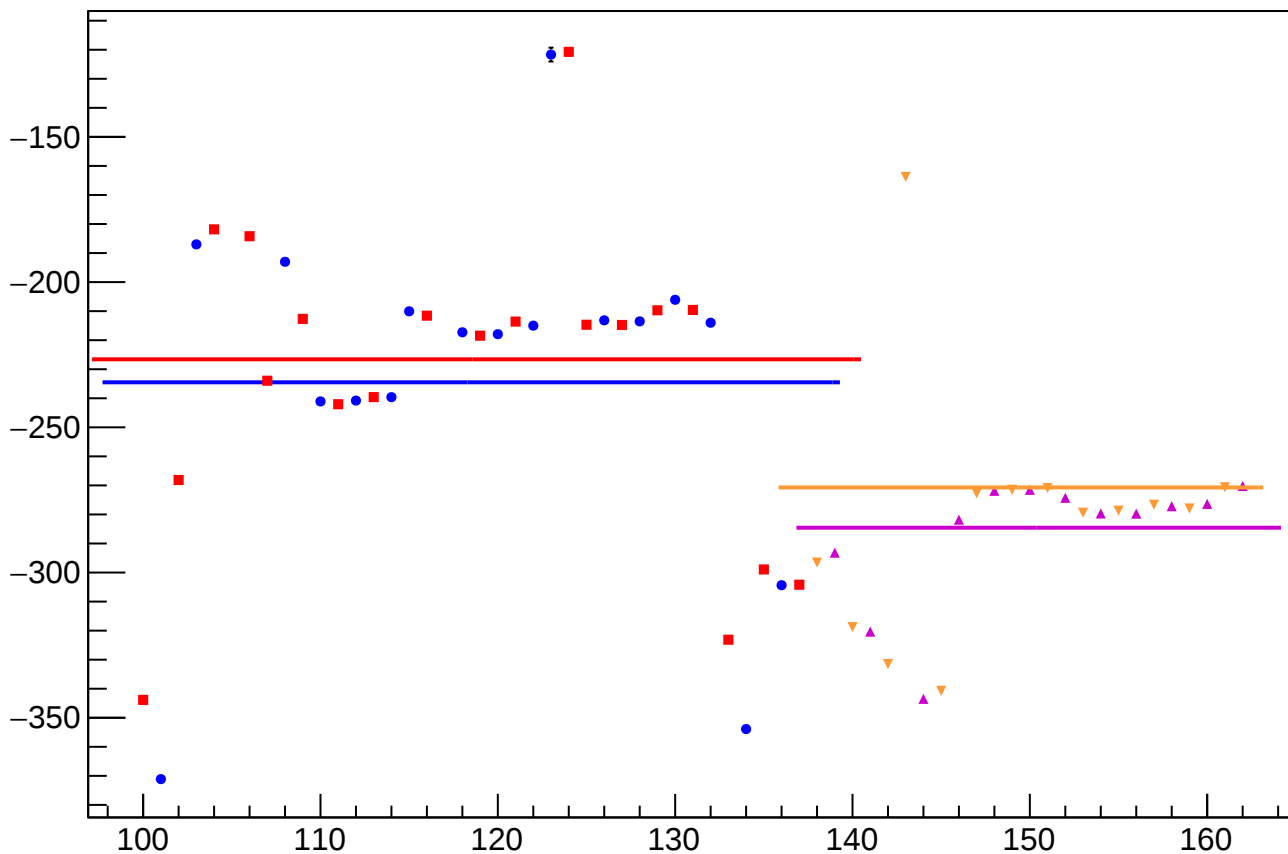
All: 524.277 $\pm$ 1.650 χ^2 /NDF: 6857.9/60

- sign 534.586 $\pm$ 2.352 χ^2 /NDF: 3173.0/30

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 χ^2/NDF : 145046.5/16

Left Out: -270.700 ± 0.110 χ^2/NDF : 182670.2/12

Right Out: -226.581 ± 0.141 χ^2/NDF : 98968.8/18

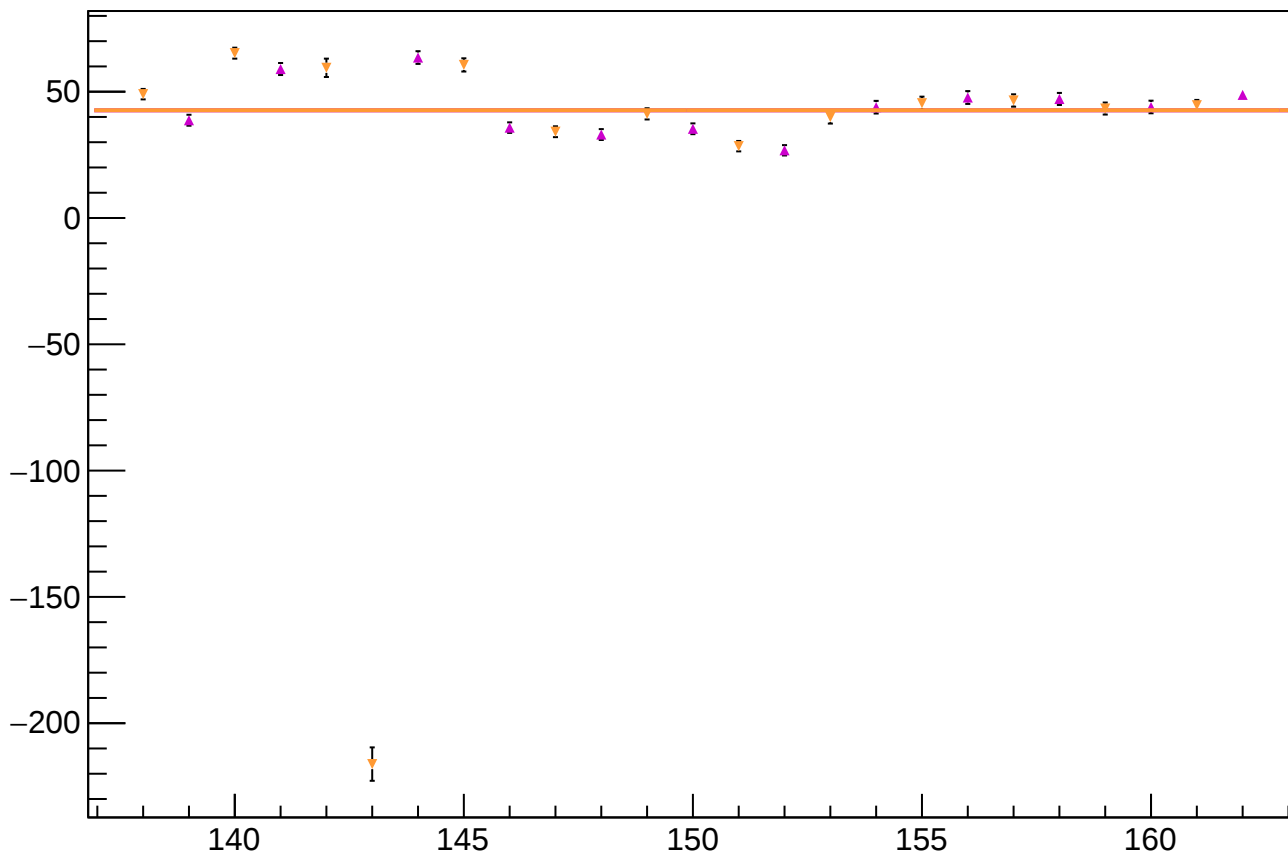
Left In: -284.566 ± 0.114 χ^2/NDF : 30487.0/11

+ sign -257.898 ± 0.089 χ^2/NDF : 365851.3/29

All: -259.838 ± 0.063 χ^2/NDF : 598335.0/60

- sign -261.780 ± 0.089 χ^2/NDF : 231524.6/30

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 42.658+/-0.672 χ^2/NDF :1787.7/12

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

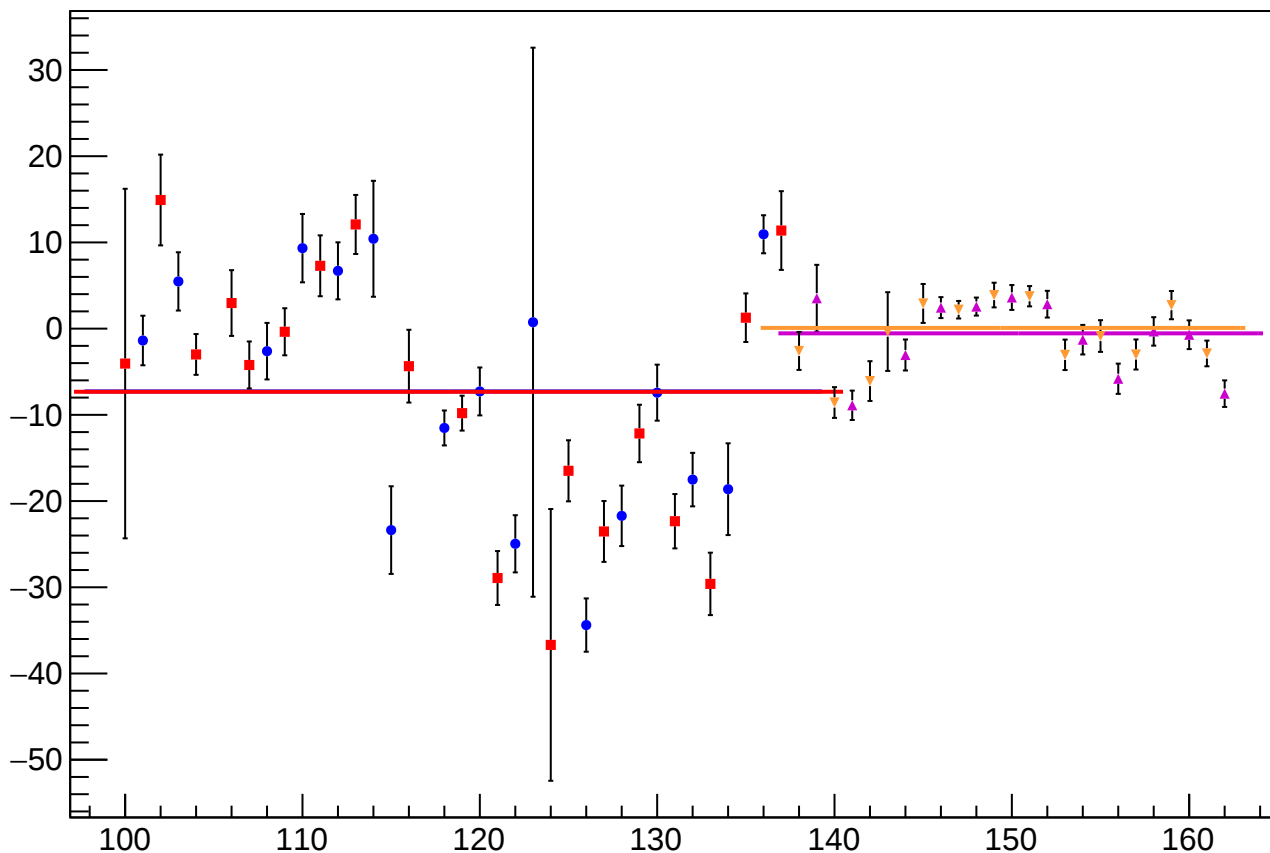
Left In: 42.615+/-0.649 χ^2/NDF :240.0/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 42.635+/-0.467 χ^2/NDF : 2027.7/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: 0.084 ± 0.452 χ^2/NDF : 68.0/12

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

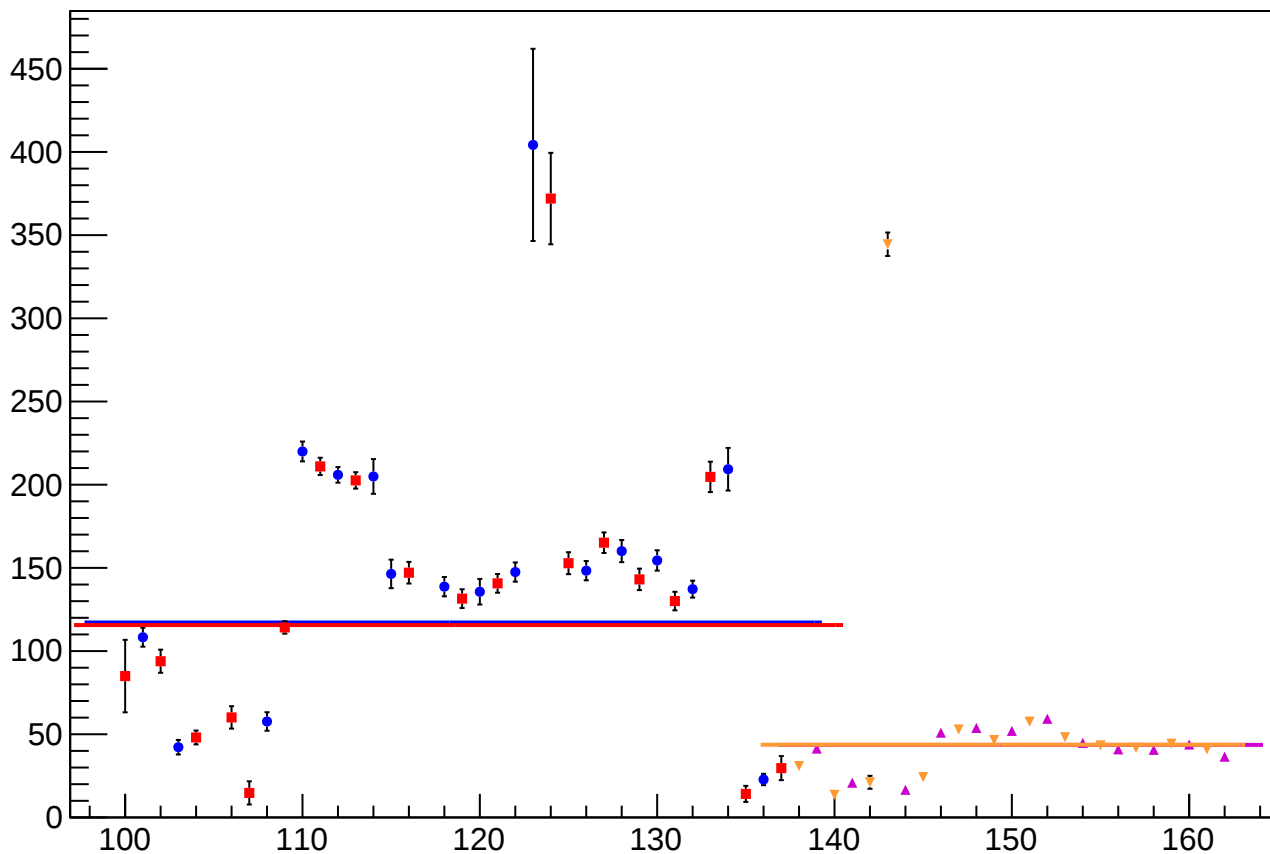
Left In: -0.548 ± 0.446 χ^2/NDF : 84.8/11

+ sign -1.738 ± 0.392 χ^2/NDF : 416.9/29

All: -2.015 ± 0.275 χ^2/NDF : 817.0/60

- sign -2.282 ± 0.385 χ^2/NDF : 399.1/30

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 43.712 ± 0.654 χ^2/NDF : 2181.9/12

Right Out: 115.632 ± 1.361 χ^2/NDF : 2137.6/18

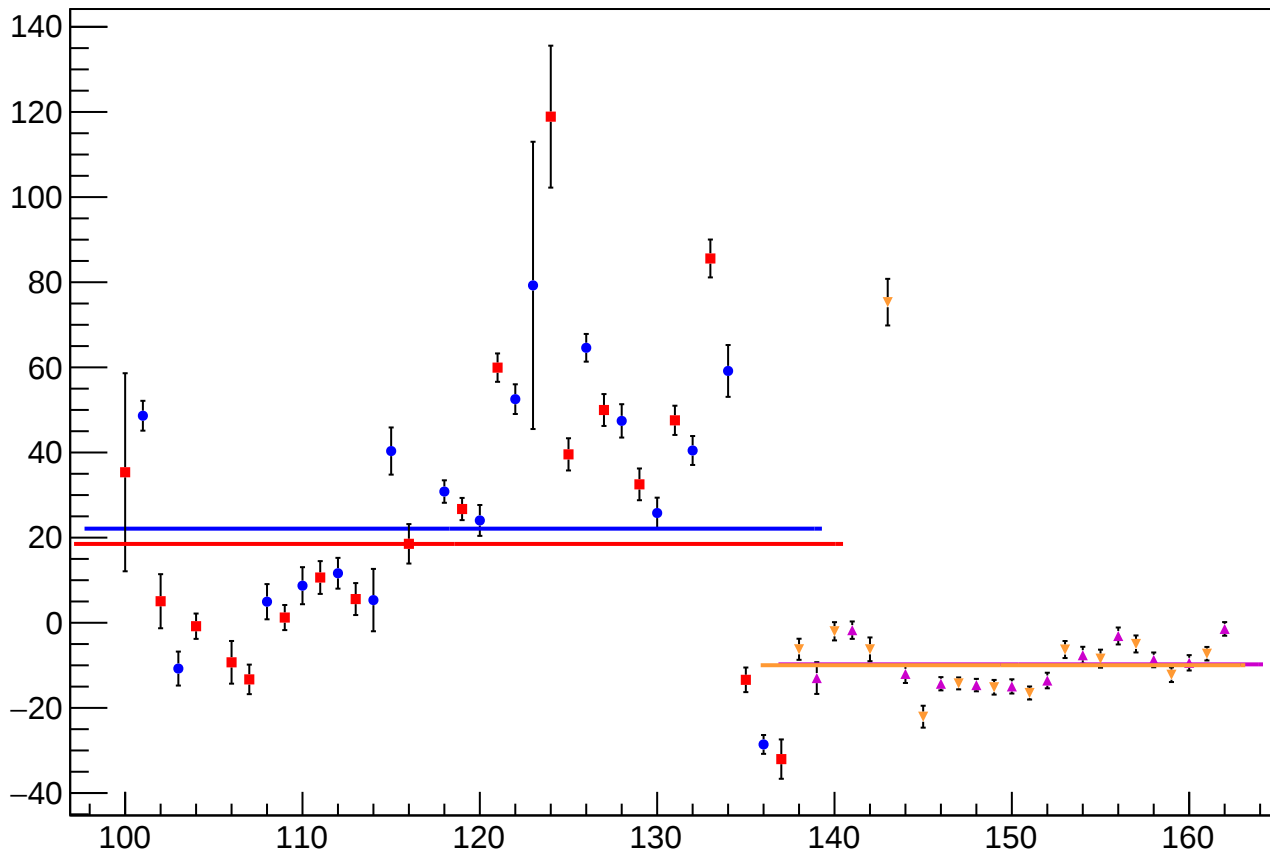
Left In: 43.604 ± 0.628 χ^2/NDF : 321.5/11

+ sign 56.625 ± 0.594 χ^2/NDF : 6561.1/29

All: 56.432 ± 0.411 χ^2/NDF : 11329.2/60

- sign 56.255 ± 0.570 χ^2/NDF : 4767.9/30

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -9.974 $\pm$ 0.541 χ^2 /NDF: 333.8/12

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

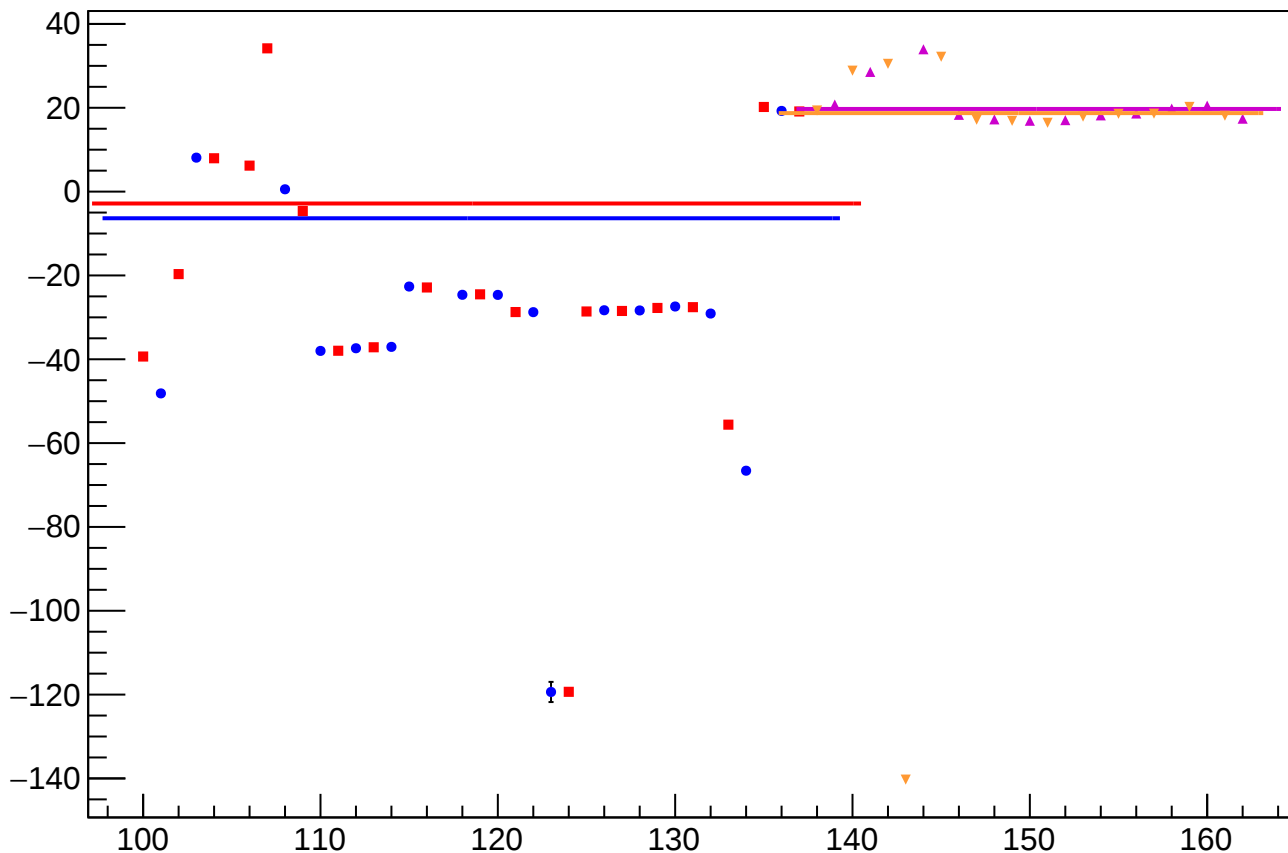
Left In: -9.772 $\pm$ 0.527 χ^2 /NDF: 90.7/11

+ sign -1.438 $\pm$ 0.463 χ^2 /NDF: 2340.6/29

All: -1.827 $\pm$ 0.323 χ^2 /NDF: 4273.5/60

- sign -2.195 $\pm$ 0.451 χ^2 /NDF: 1931.5/30

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 18.726 ± 0.026 χ^2/NDF : 348985.5/12

Right Out: -2.837 ± 0.046 χ^2/NDF : 265573.0/18

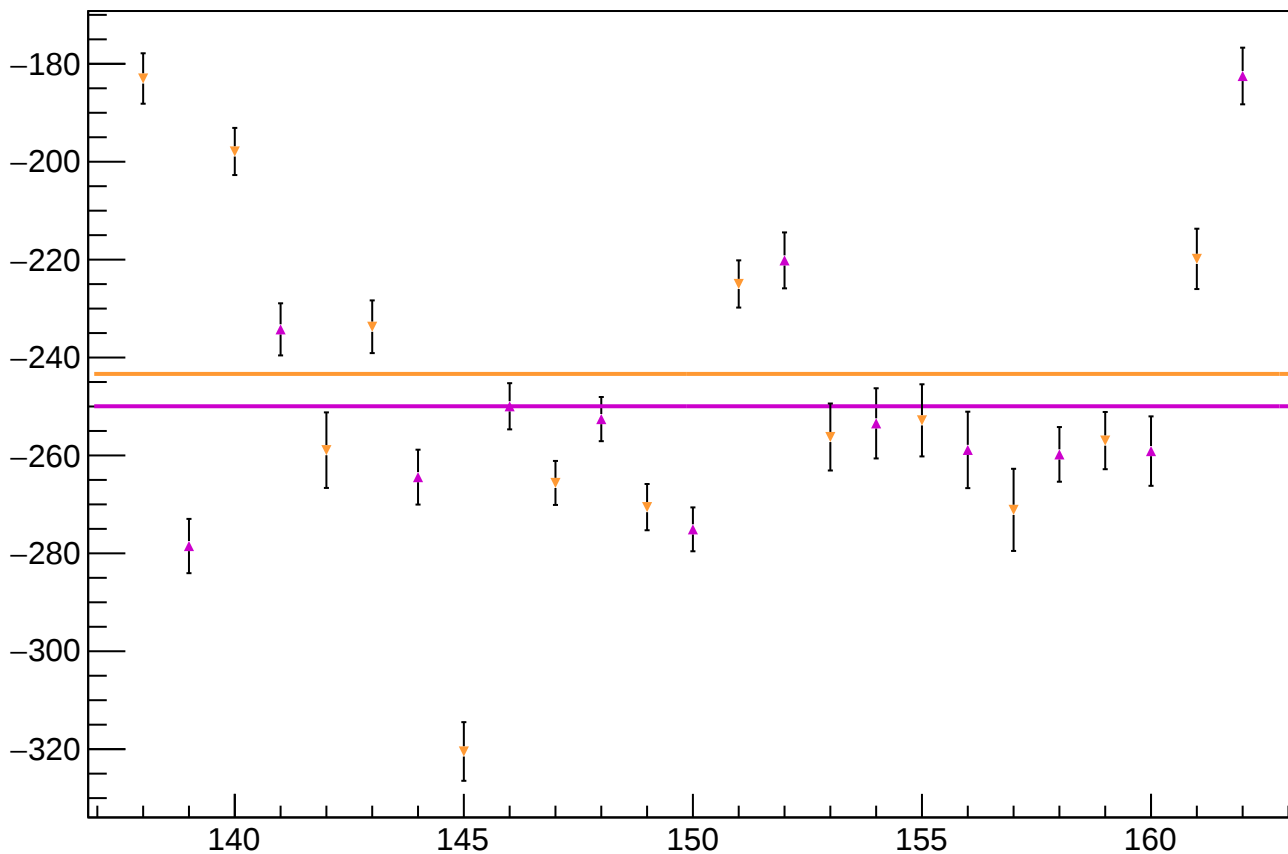
Left In: 19.719 ± 0.024 χ^2/NDF : 27285.6/11

+ sign 12.881 ± 0.022 χ^2/NDF : 838768.1/29

All: 13.824 ± 0.016 χ^2/NDF : 1324110.9/60

- sign 14.702 ± 0.022 χ^2/NDF : 481906.8/30

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -243.346+/-1.568 χ^2/NDF : 507.6/12

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

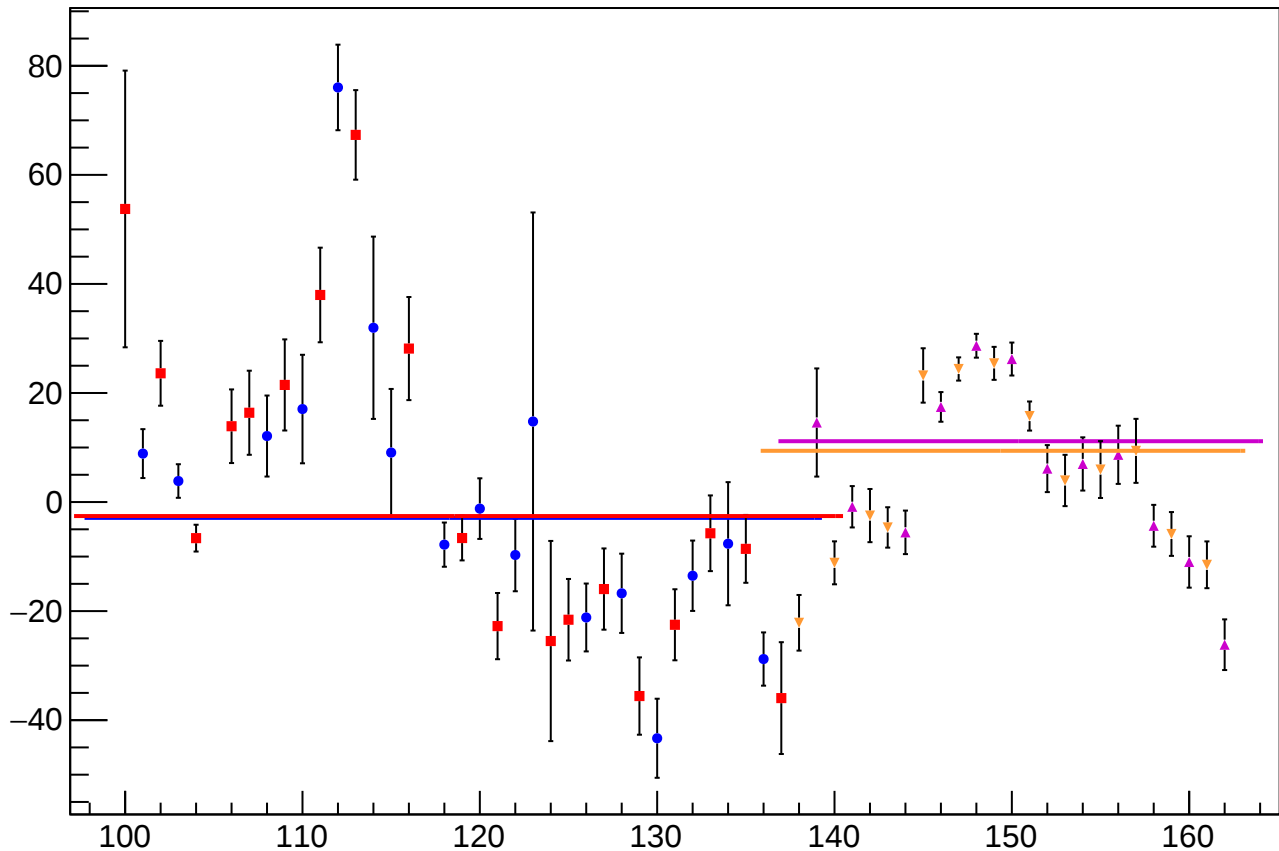
Left In: -249.953+/-1.598 χ^2/NDF : 243.2/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -246.587+/-1.119 χ^2/NDF : 759.5/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 9.397 ± 1.023 χ^2/NDF : 216.8/12

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

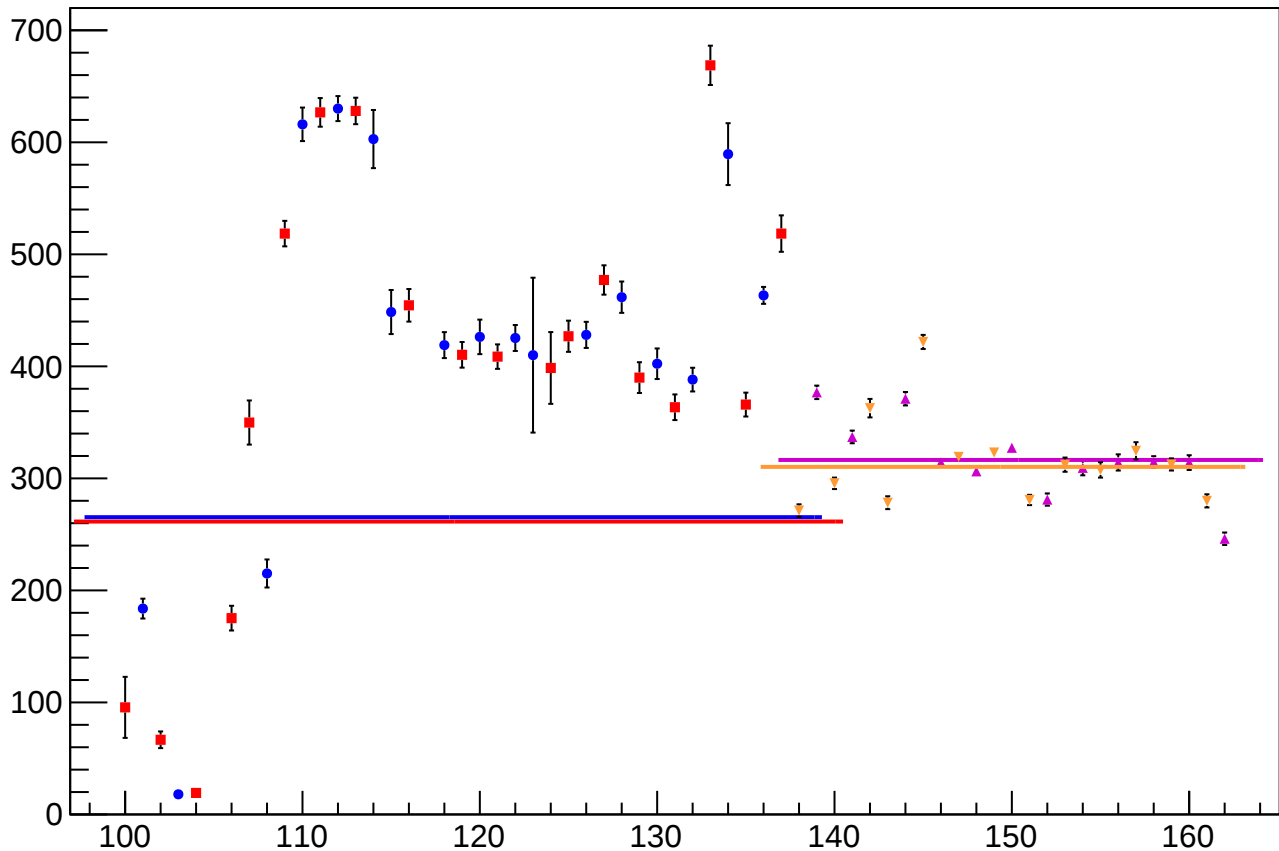
Left In: 11.156 ± 1.062 χ^2/NDF : 227.3/11

+ sign 5.374 ± 0.839 χ^2/NDF : 467.6/29

All: 5.747 ± 0.596 χ^2/NDF : 974.7/60

- sign 6.126 ± 0.845 χ^2/NDF : 506.7/30

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 310.270 $\pm$ 1.540 χ^2 /NDF: 527.2/12

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

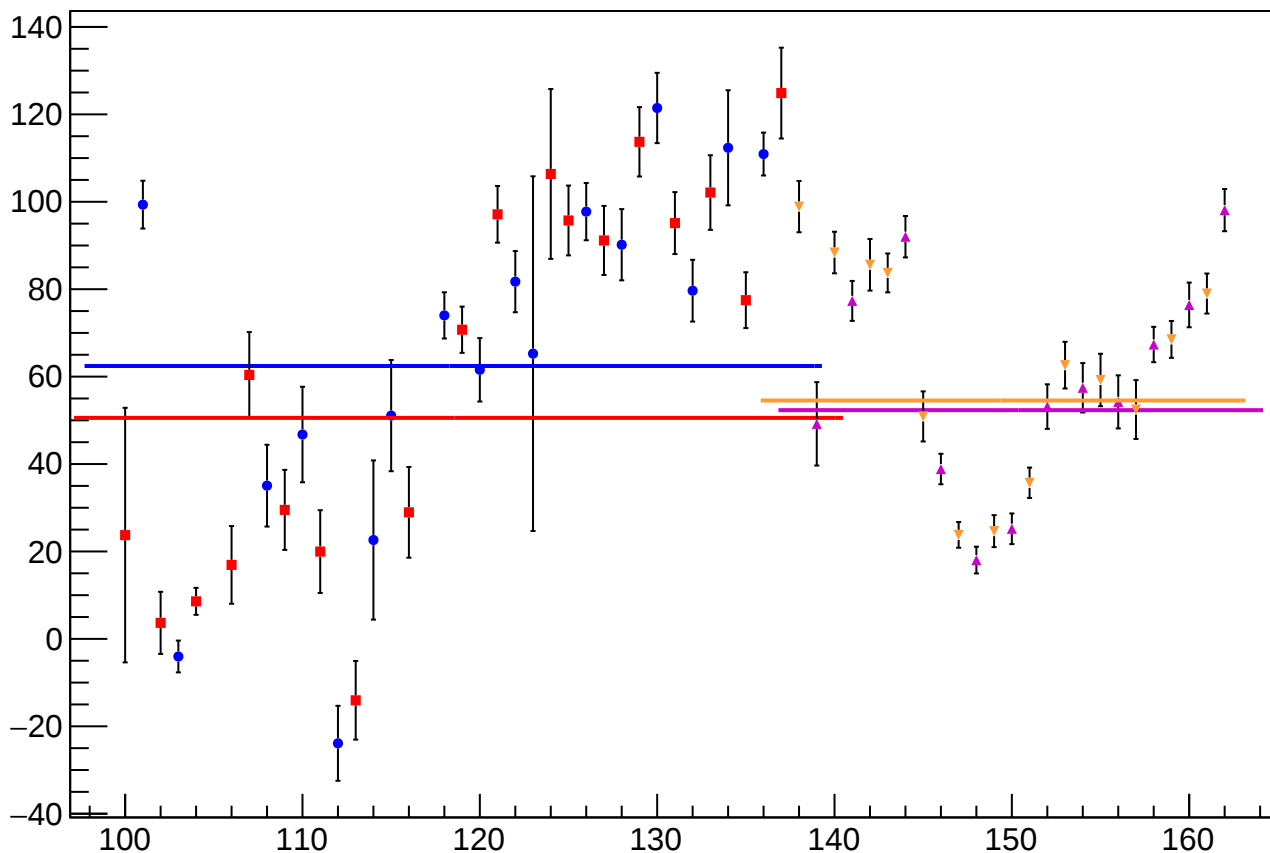
Left In: 316.450 $\pm$ 1.549 χ^2 /NDF: 412.6/11

+ sign 297.828 $\pm$ 1.310 χ^2 /NDF: 8396.4/29

All: 299.322 $\pm$ 0.926 χ^2 /NDF: 17374.1/60

- sign 300.817 $\pm$ 1.311 χ^2 /NDF: 8975.1/30

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 54.538+/-1.245 χ^2/NDF : 427.1/12

Right Out: 50.560+/-1.642 χ^2/NDF : 657.4/18

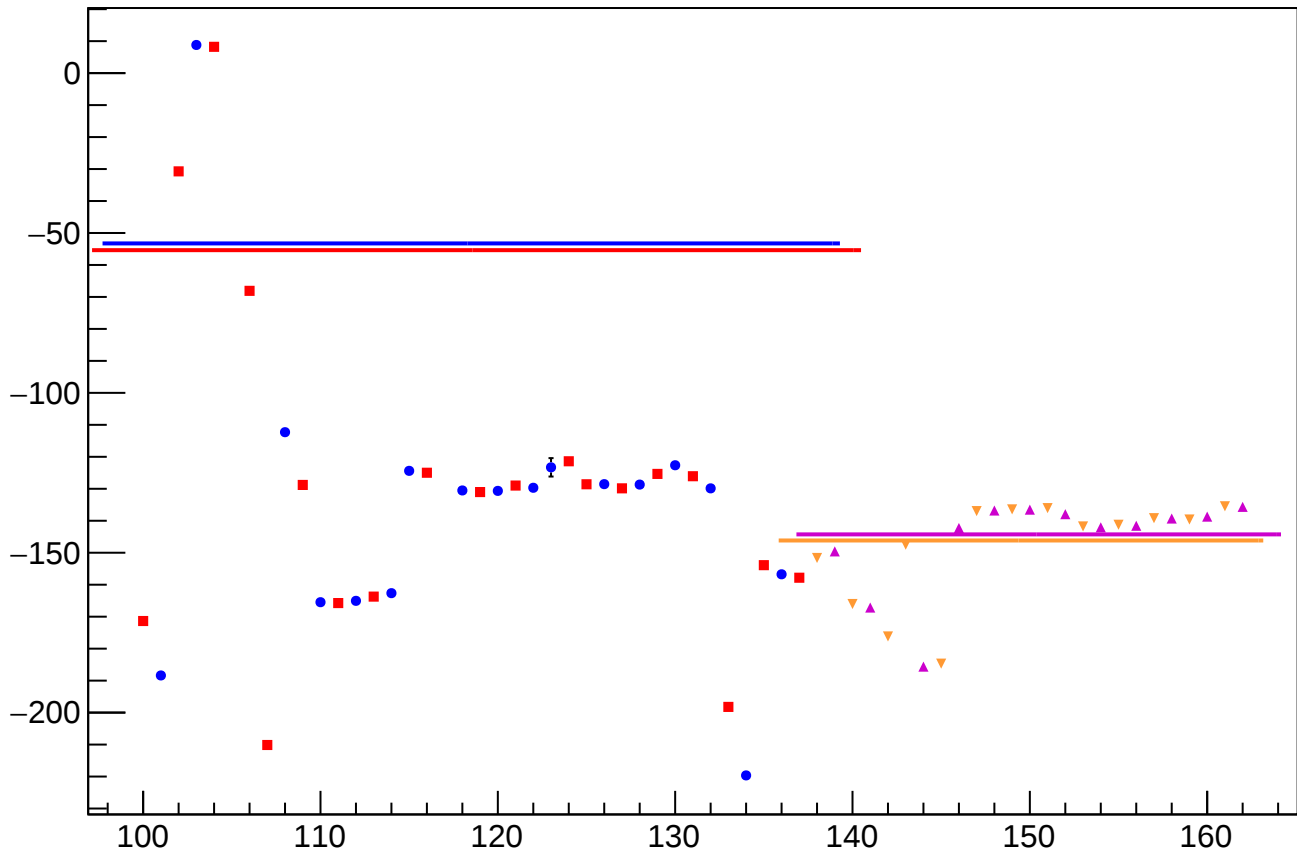
Left In: 52.330+/-1.277 χ^2/NDF : 427.5/11

+ sign 57.307+/-1.003 χ^2/NDF : 1163.0/29

All: 54.499+/-0.711 χ^2/NDF : 2264.3/60

- sign 51.663+/-1.008 χ^2/NDF : 1085.6/30

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -146.170 $\pm$ 0.062 χ^2 /NDF: 53063.7/12

Right Out: -55.373 $\pm$ 0.072 χ^2 /NDF: 967027.2/18

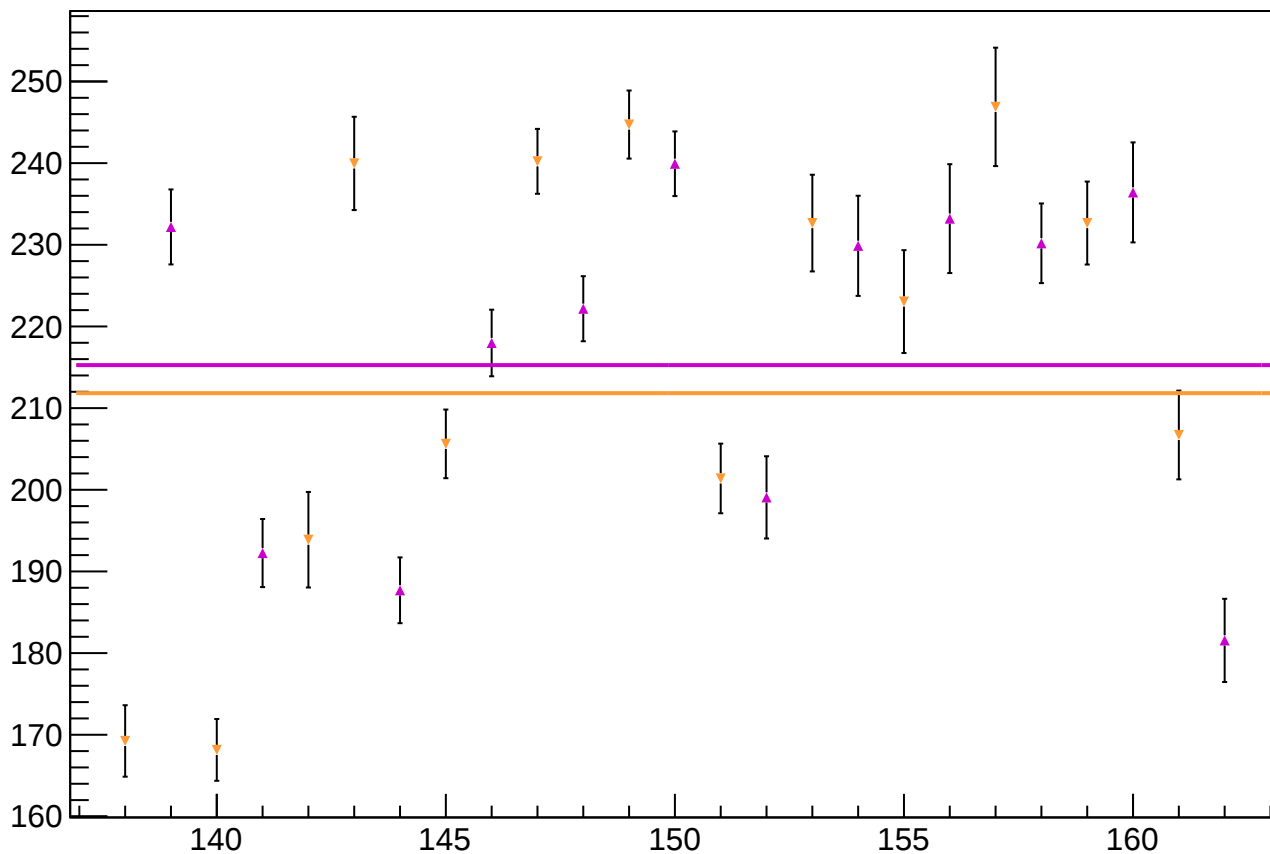
Left In: -144.262 $\pm$ 0.061 χ^2 /NDF: 42930.0/11

+ sign -105.699 $\pm$ 0.046 χ^2 /NDF: 2261152.9/29

All: -106.229 $\pm$ 0.033 χ^2 /NDF: 4153796.7/60

- sign -106.765 $\pm$ 0.047 χ^2 /NDF: 1892381.9/30

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 211.834+/-1.337 χ^2/NDF : 439.9/12

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

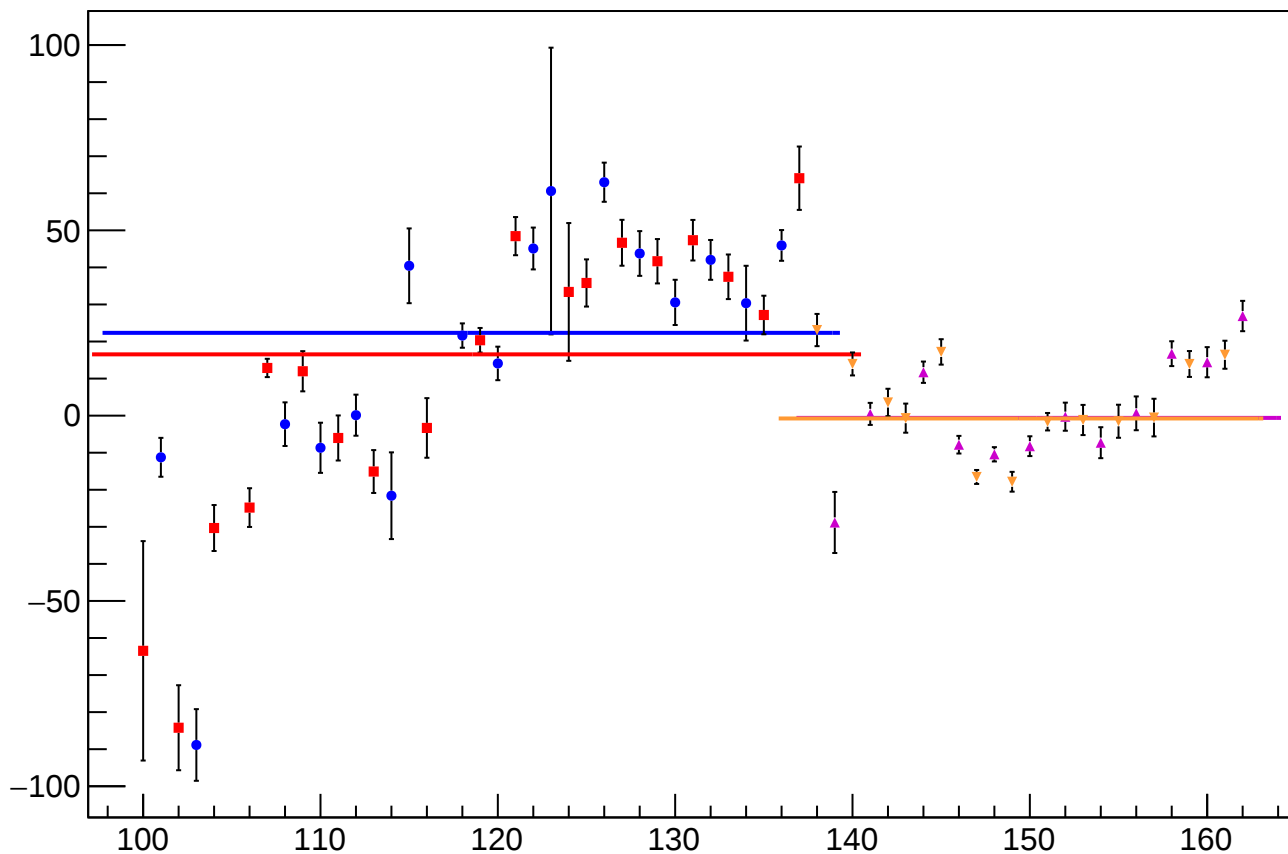
Left In: 215.267+/-1.349 χ^2/NDF : 221.4/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 213.534+/-0.950 χ^2/NDF : 664.5/24

- 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: -0.763 $\pm$ 0.883 χ^2 /NDF:231.0/12

Right Out: 16.537 $\pm$ 1.227 χ^2 /NDF: 426.6/18

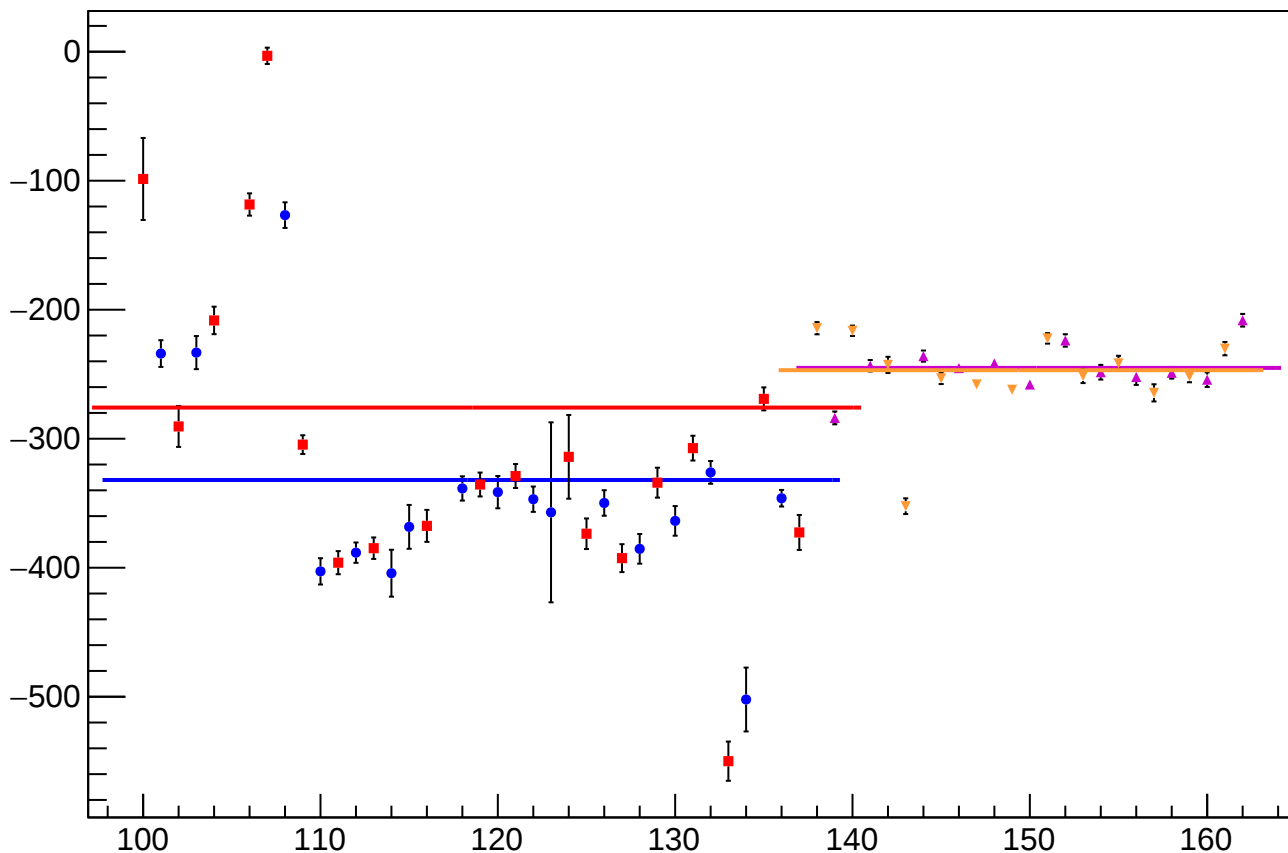
Left In: -0.607 $\pm$ 0.906 χ^2 /NDF:161.6/11

+ sign 5.842 $\pm$ 0.746 χ^2 /NDF: 812.7/29

All: 5.637 $\pm$ 0.521 χ^2 /NDF: 1527.4/60

- sign 5.442 $\pm$ 0.729 χ^2 /NDF: 714.5/30

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -246.881+/-1.319 χ^2/NDF : 486.8/12

Right Out: -275.842+/-2.325 χ^2/NDF : 3362.2/18

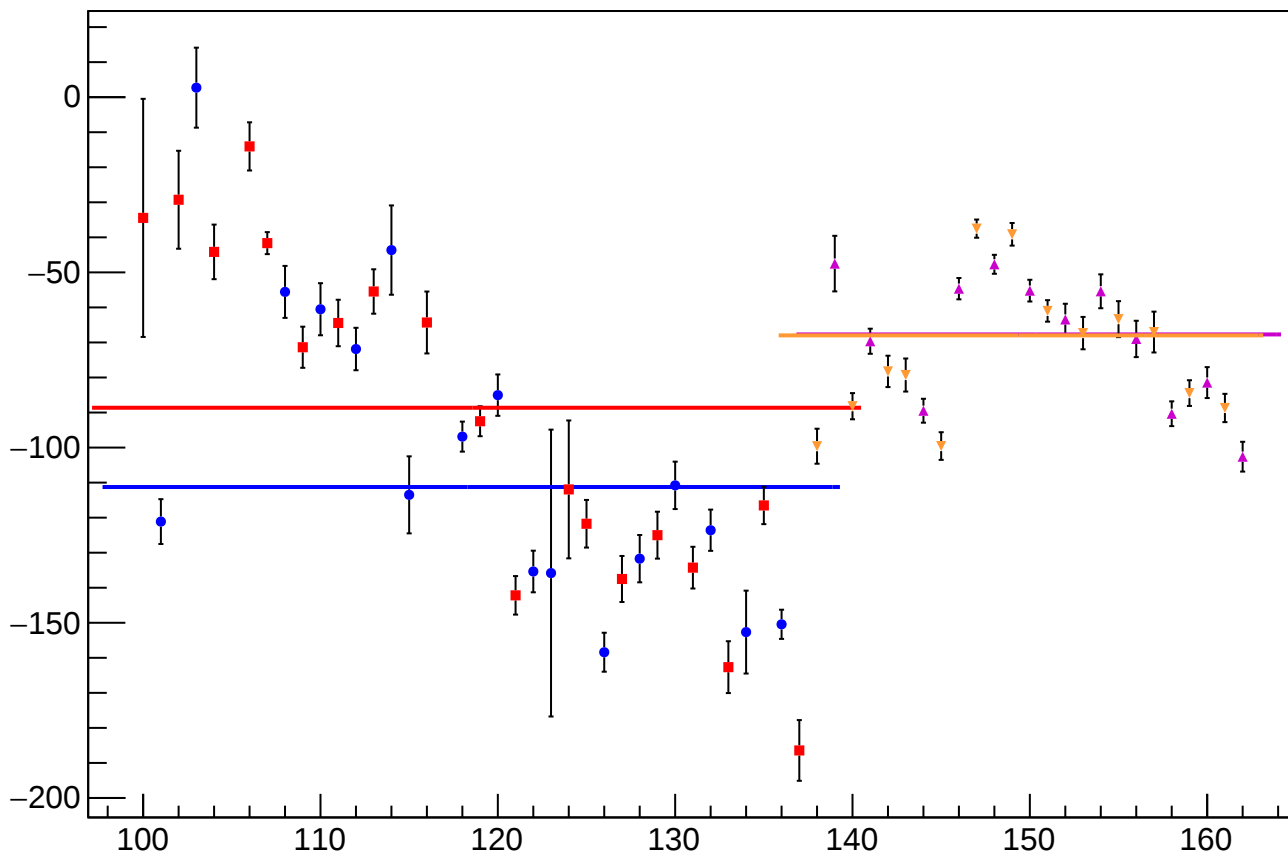
Left In: -245.097+/-1.316 χ^2/NDF : 159.4/11

+ sign -264.514+/-1.174 χ^2/NDF : 2134.4/29

All: -258.387+/-0.820 χ^2/NDF : 5841.6/60

- sign -252.560+/-1.145 χ^2/NDF : 3654.1/30

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -67.979 ± 1.071 χ^2/NDF : 414.3/12

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

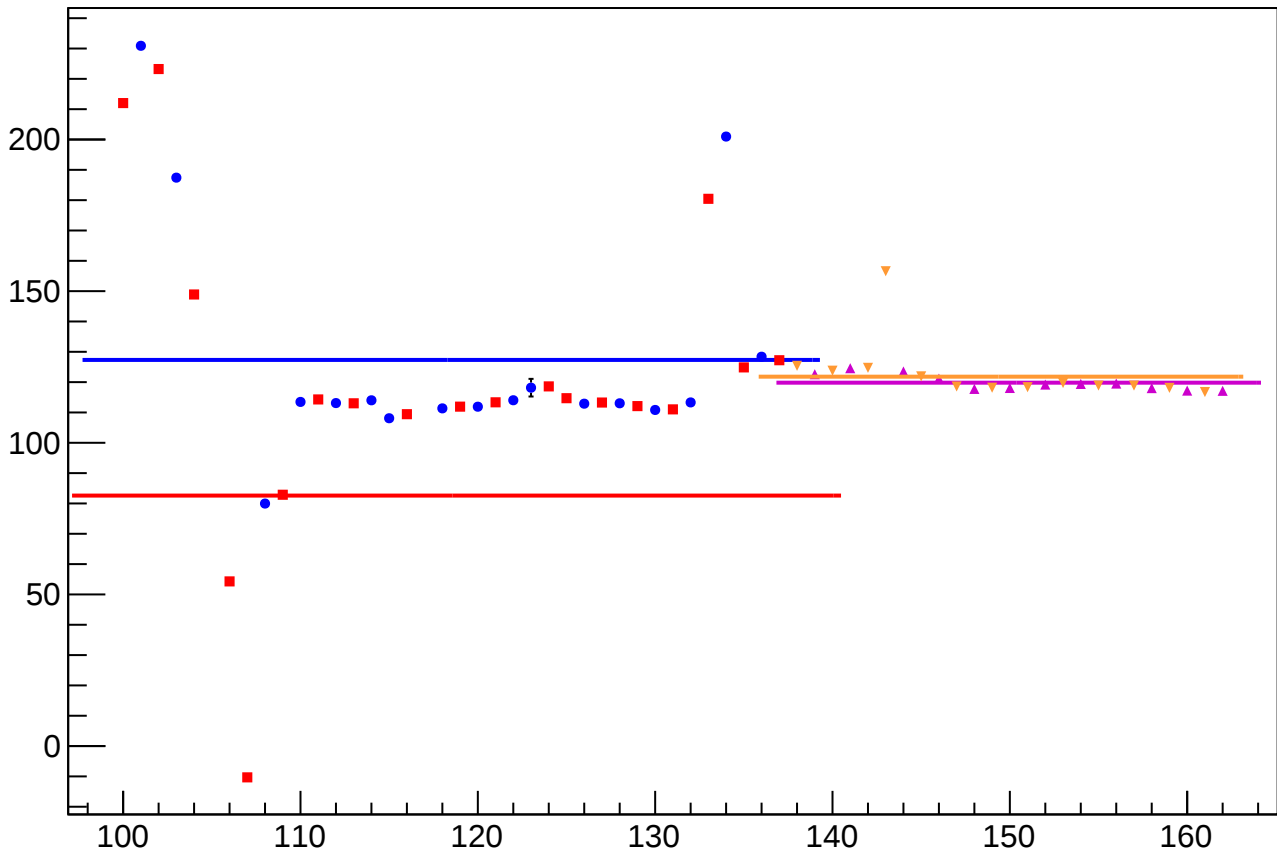
Left In: -67.712 ± 1.087 χ^2/NDF : 262.6/11

+ sign -81.410 ± 0.890 χ^2/NDF : 1430.3/29

All: -78.303 ± 0.621 χ^2/NDF : 2822.8/60

- sign -75.357 ± 0.866 χ^2/NDF : 1368.8/30

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 121.804 $\pm$ 0.053 χ^2 /NDF: 23630.0/12

Right Out: 82.595 $\pm$ 0.075 χ^2 /NDF: 765022.5/18

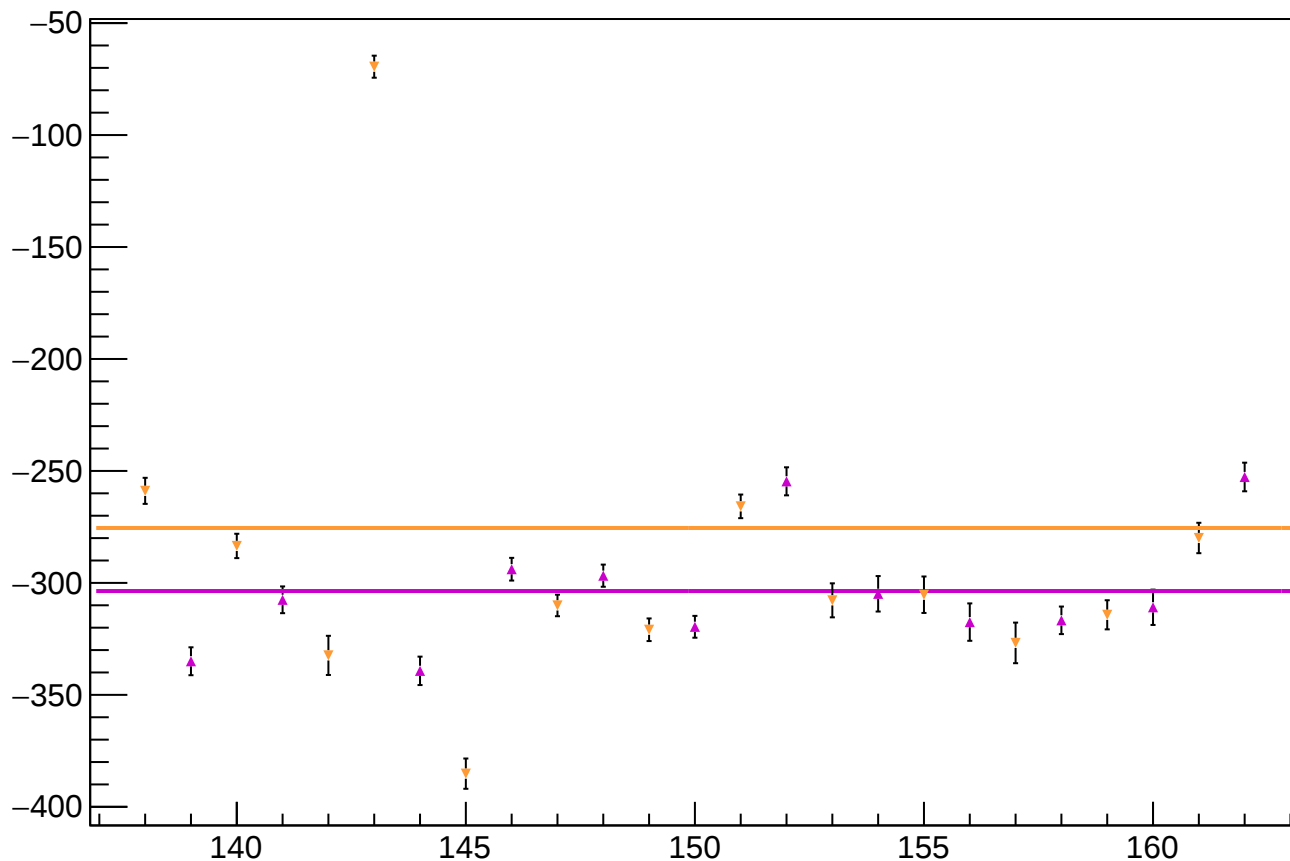
Left In: 119.820 $\pm$ 0.052 χ^2 /NDF: 2179.4/11

+ sign 123.235 $\pm$ 0.046 χ^2 /NDF: 214226.8/29

All: 115.031 $\pm$ 0.031 χ^2 /NDF: 1207461.8/60

- sign 107.733 $\pm$ 0.043 χ^2 /NDF: 931908.8/30

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -275.473+/-1.696 χ^2/NDF :2301.7/12

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

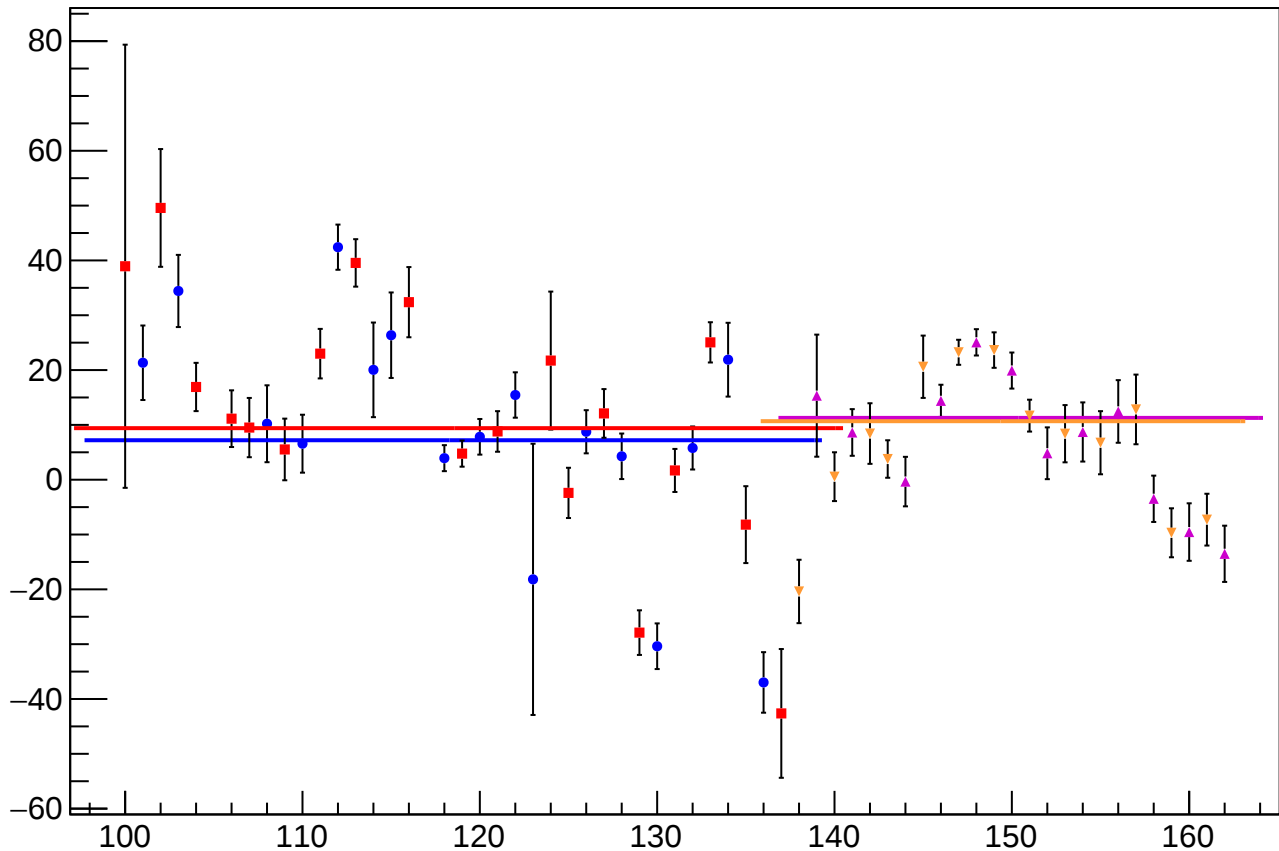
Left In: -303.629+/-1.759 χ^2/NDF :206.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -289.035+/-1.221 χ^2/NDF : 2641.0/24

- 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: 10.674 ± 1.103 χ^2/NDF : 123.8/12

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

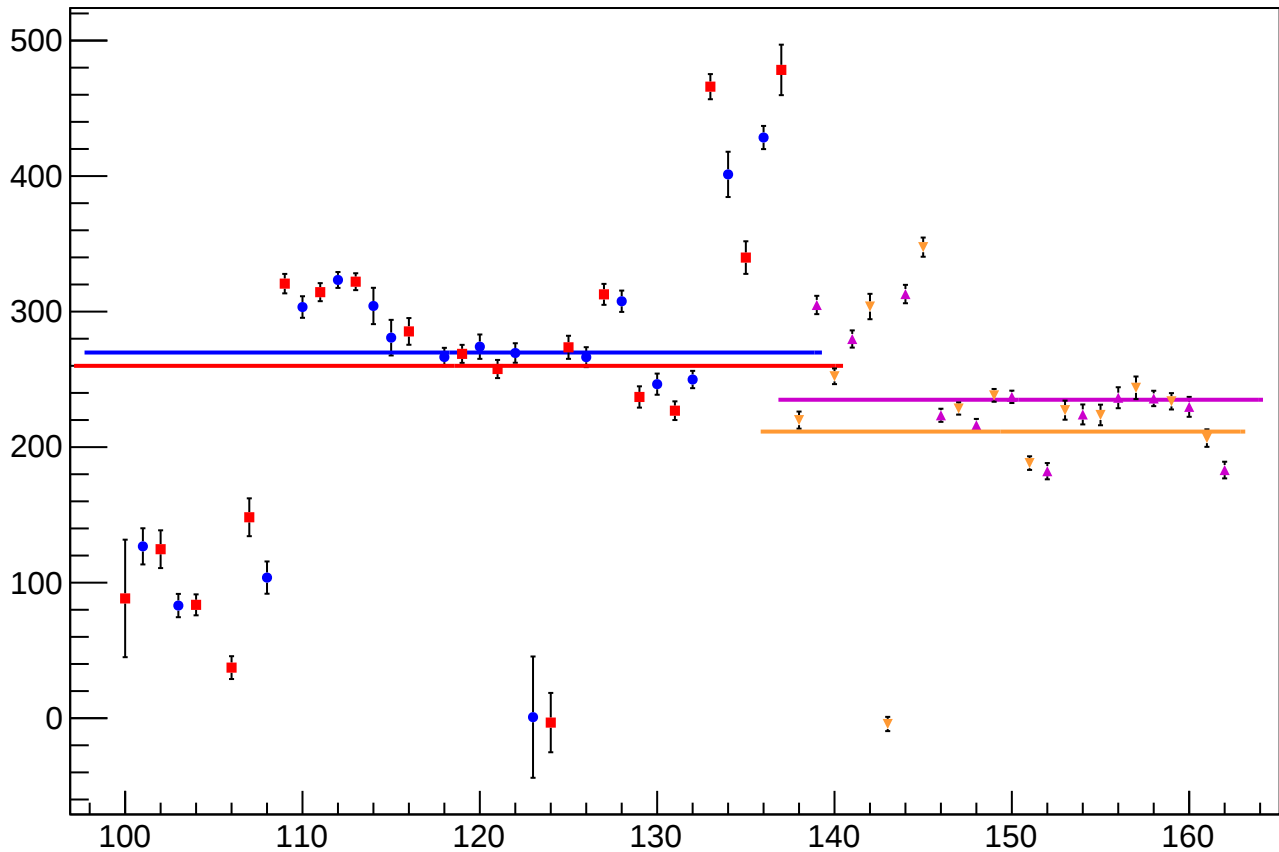
Left In: 11.276 ± 1.167 χ^2/NDF : 101.6/11

+ sign 8.936 ± 0.780 χ^2/NDF : 389.6/29

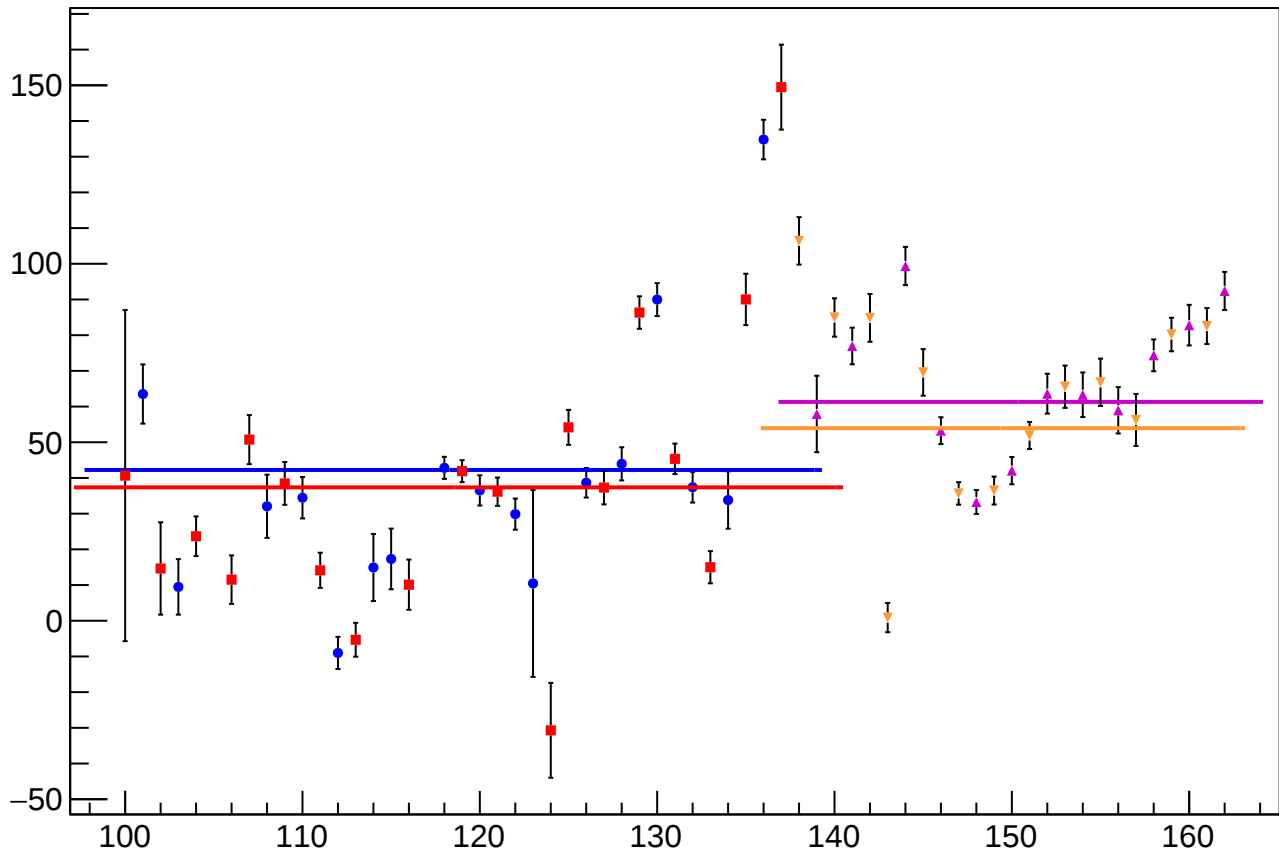
All: 9.590 ± 0.555 χ^2/NDF : 726.2/60

- sign 10.259 ± 0.789 χ^2/NDF : 335.1/30

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2/NDF : 574.4/16

Left Out: 53.948 $\pm$ 1.344 χ^2/NDF : 416.1/12

Right Out: 37.367 $\pm$ 1.235 χ^2/NDF : 472.3/18

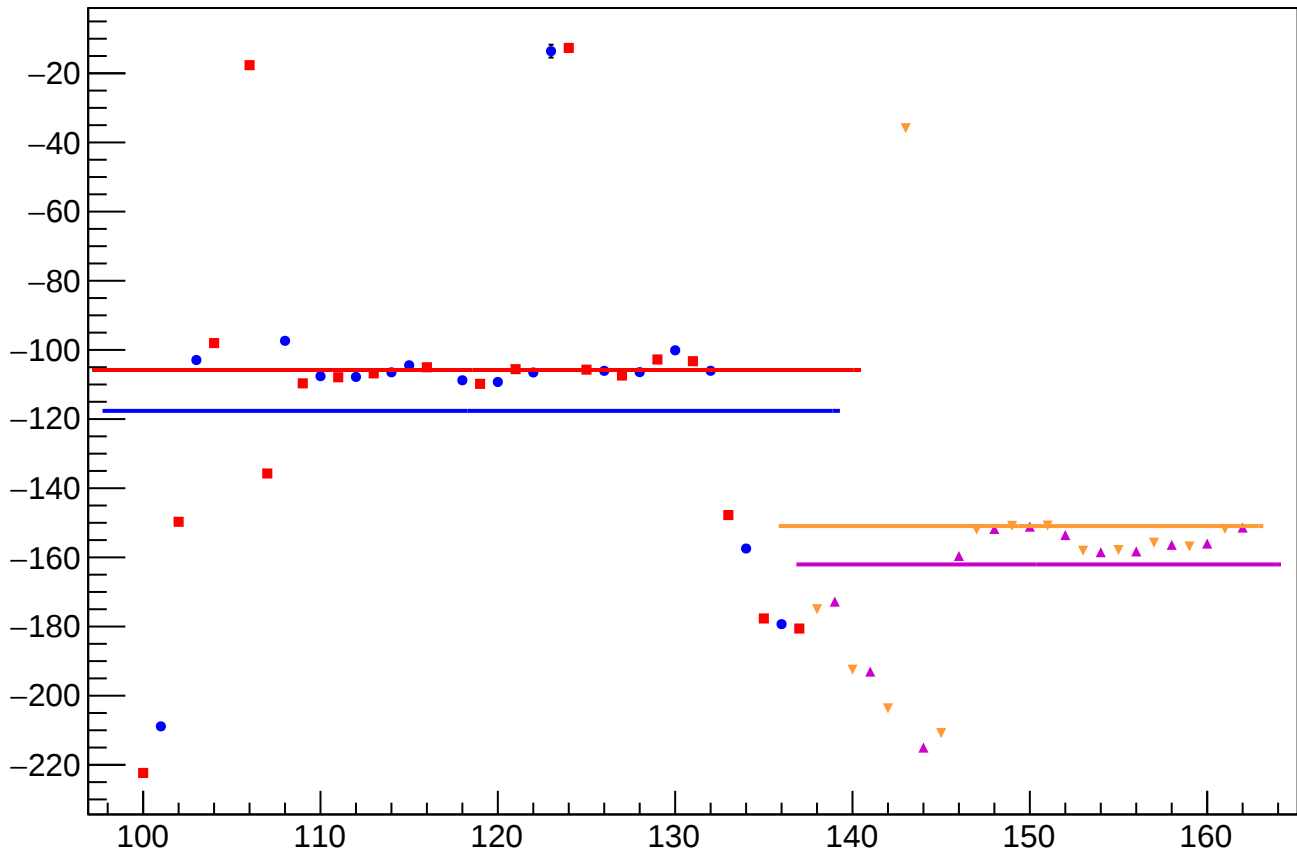
Left In: 61.306 $\pm$ 1.404 χ^2/NDF : 217.0/11

+ sign 47.780 $\pm$ 0.924 χ^2/NDF : 1030.5/29

All: 47.793 $\pm$ 0.655 χ^2/NDF : 1883.8/60

- sign 47.807 $\pm$ 0.927 χ^2/NDF : 853.3/30

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -150.945+/-0.067 χ^2/NDF : 403236.4/12

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

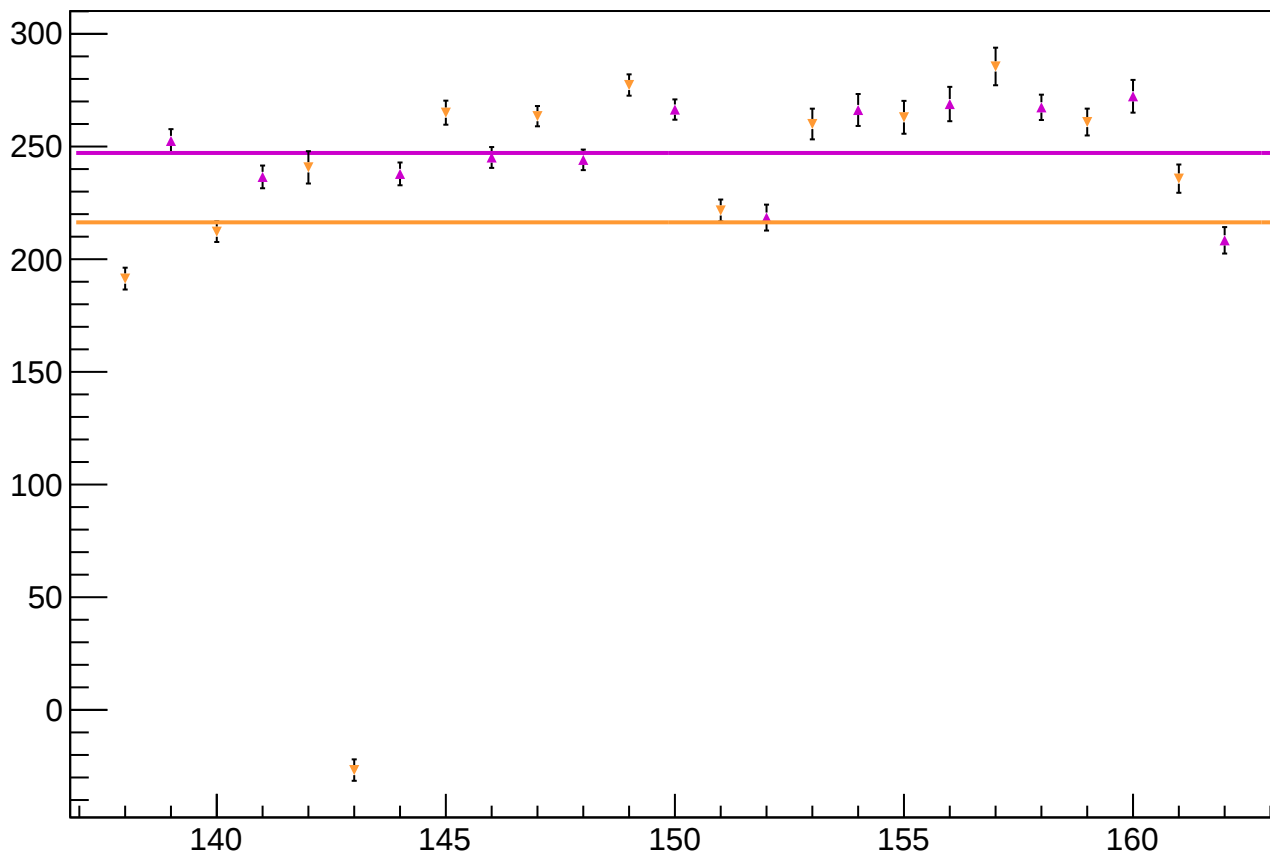
Left In: -162.042+/-0.068 χ^2/NDF : 59172.2/11

+ sign -136.899+/-0.051 χ^2/NDF : 649254.0/29

All: -136.436+/-0.036 χ^2/NDF : 1351926.1/60

- sign -135.998+/-0.050 χ^2/NDF : 702511.6/30

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 216.361+/-1.518 χ^2/NDF : 3228.7/12

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

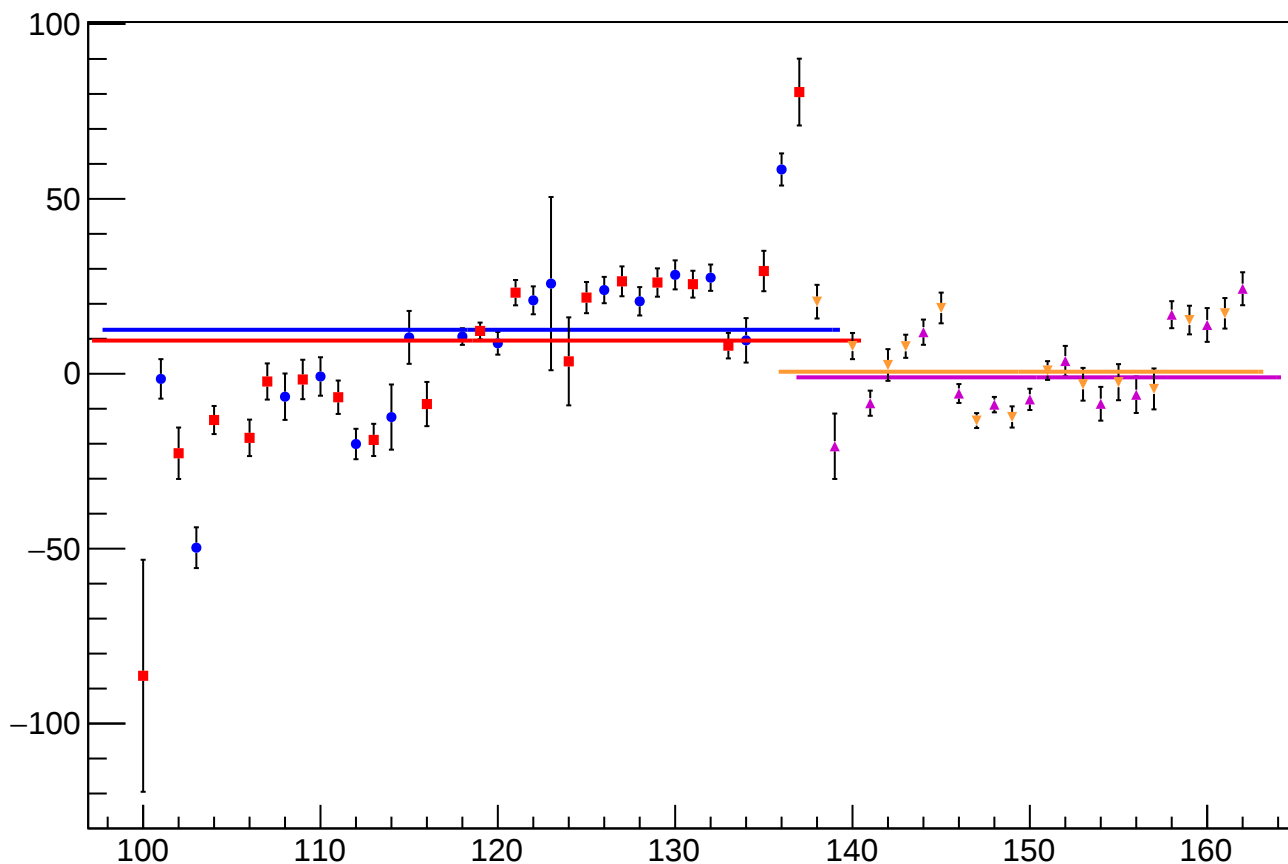
Left In: 247.152+/-1.569 χ^2/NDF : 136.5/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 231.242+/-1.091 χ^2/NDF : 3564.1/24

- 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: 0.585 $\pm$ 1.000 χ^2 /NDF:133.9/12

Right Out: 9.493 $\pm$ 1.047 χ^2 /NDF: 295.8/18

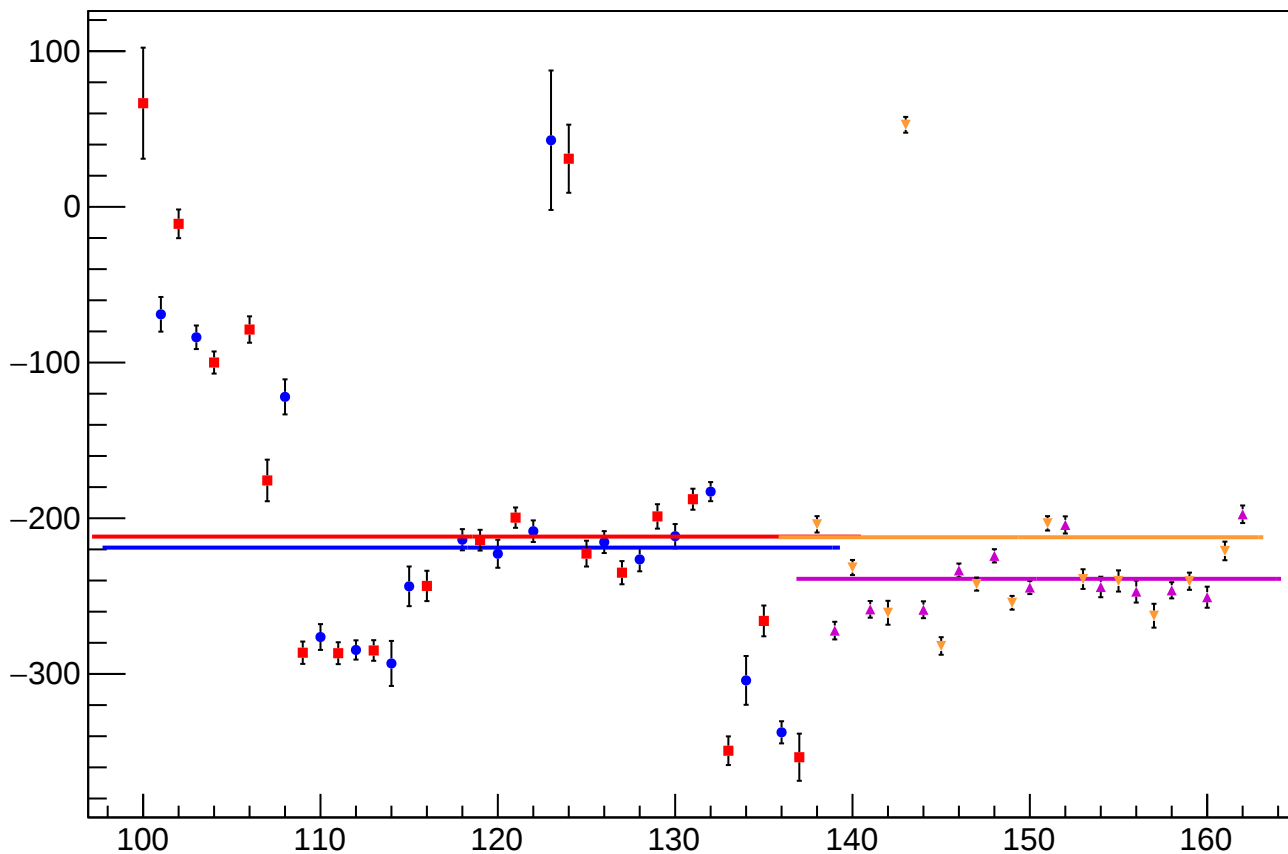
Left In: -1.022 $\pm$ 1.052 χ^2 /NDF:105.7/11

+ sign 6.154 $\pm$ 0.732 χ^2 /NDF: 548.6/29

All: 5.219 $\pm$ 0.521 χ^2 /NDF: 1003.5/60

- sign 4.258 $\pm$ 0.742 χ^2 /NDF: 451.6/30

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -212.208 ± 1.500 $\chi^2/\text{NDF}: 3188.4/12$

Right Out: -211.780 ± 1.924 $\chi^2/\text{NDF}: 1885.2/18$

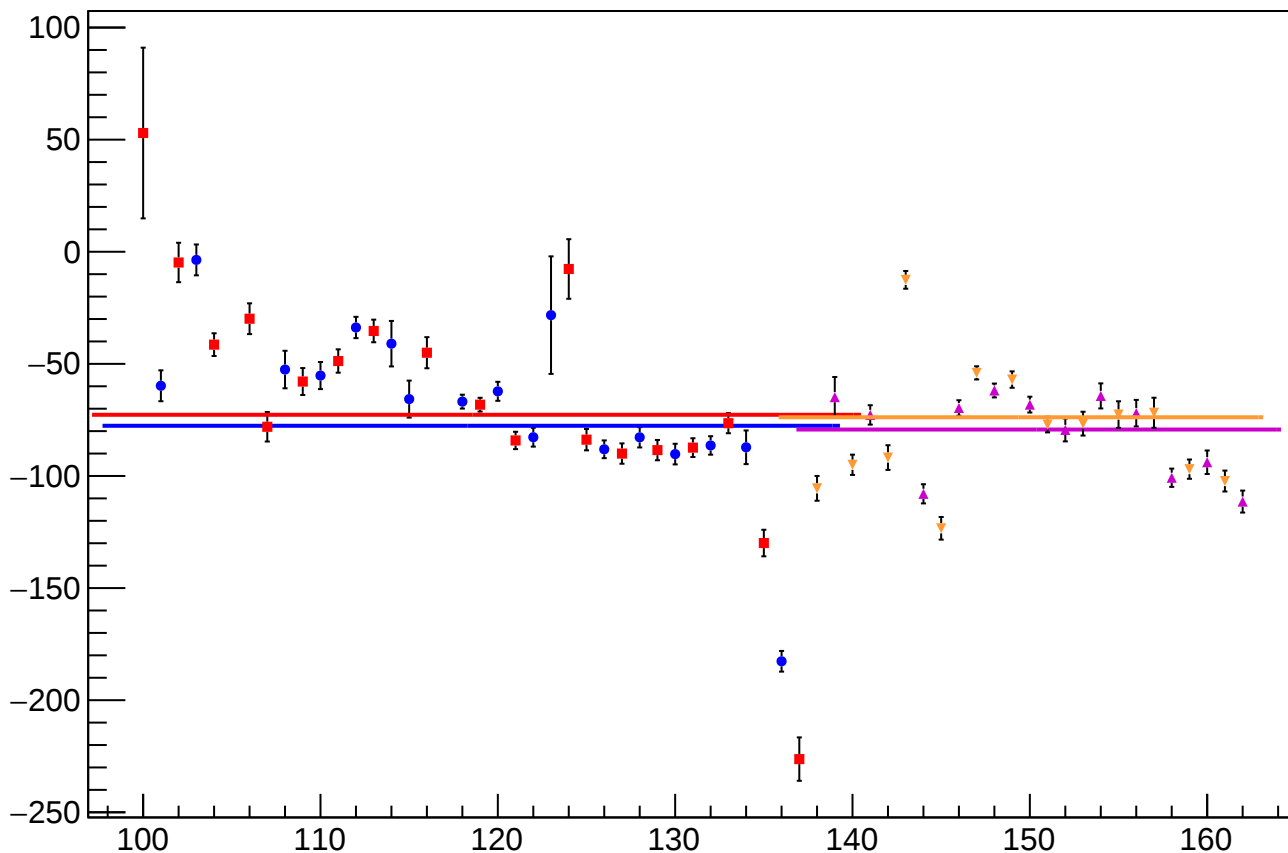
Left In: -238.909 ± 1.527 $\chi^2/\text{NDF}: 176.8/11$

+ sign -214.566 ± 1.205 $\chi^2/\text{NDF}: 4341.9/29$

All: -221.542 ± 0.849 $\chi^2/\text{NDF}: 6592.5/60$

- sign -228.421 ± 1.196 $\chi^2/\text{NDF}: 2184.0/30$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -73.814 ± 1.216 χ^2/NDF : 536.2/12

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

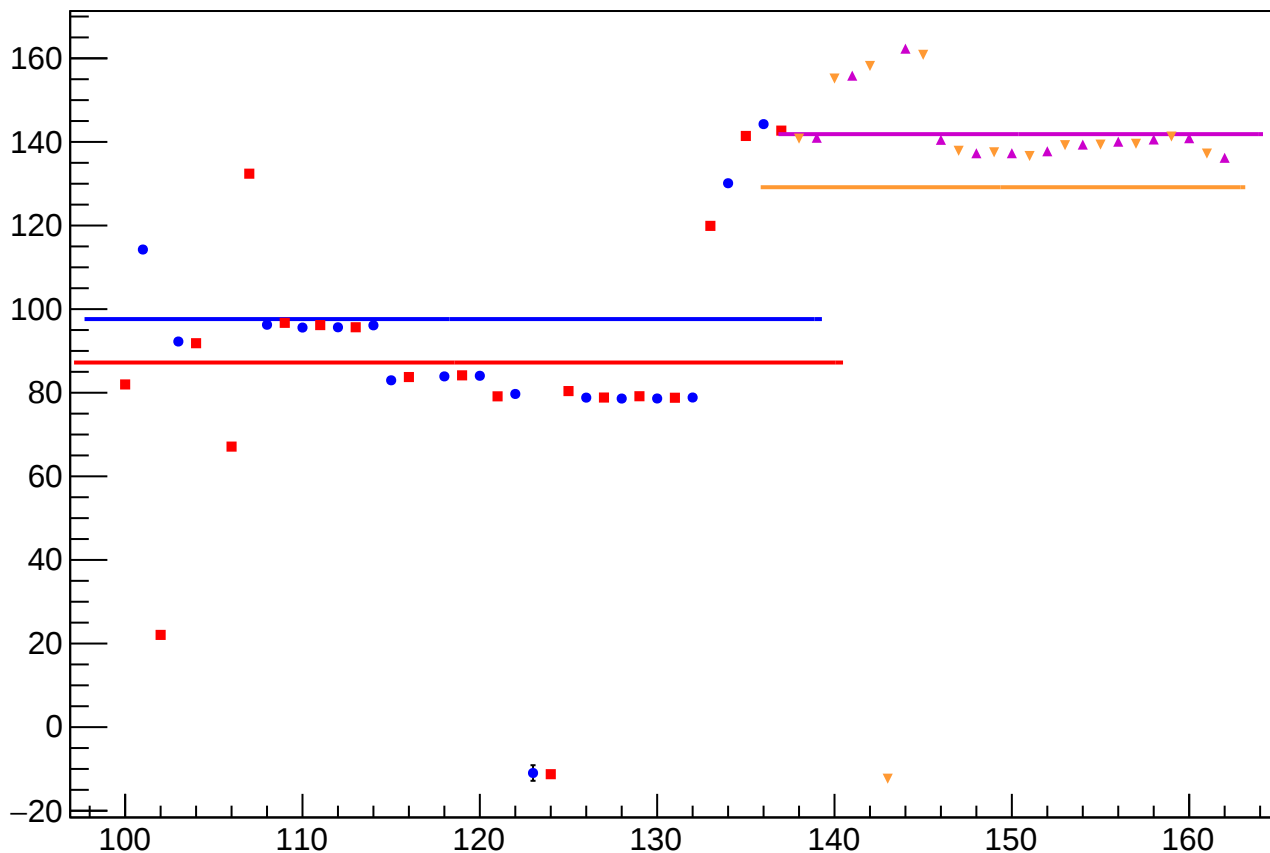
Left In: -79.292 ± 1.264 χ^2/NDF : 186.5/11

+ sign -75.680 ± 0.867 χ^2/NDF : 1356.9/29

All: -75.764 ± 0.615 χ^2/NDF : 2229.1/60

- sign -75.848 ± 0.872 χ^2/NDF : 872.1/30

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 129.164 $\pm$ 0.060 χ^2 /NDF: 548438.1/12

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

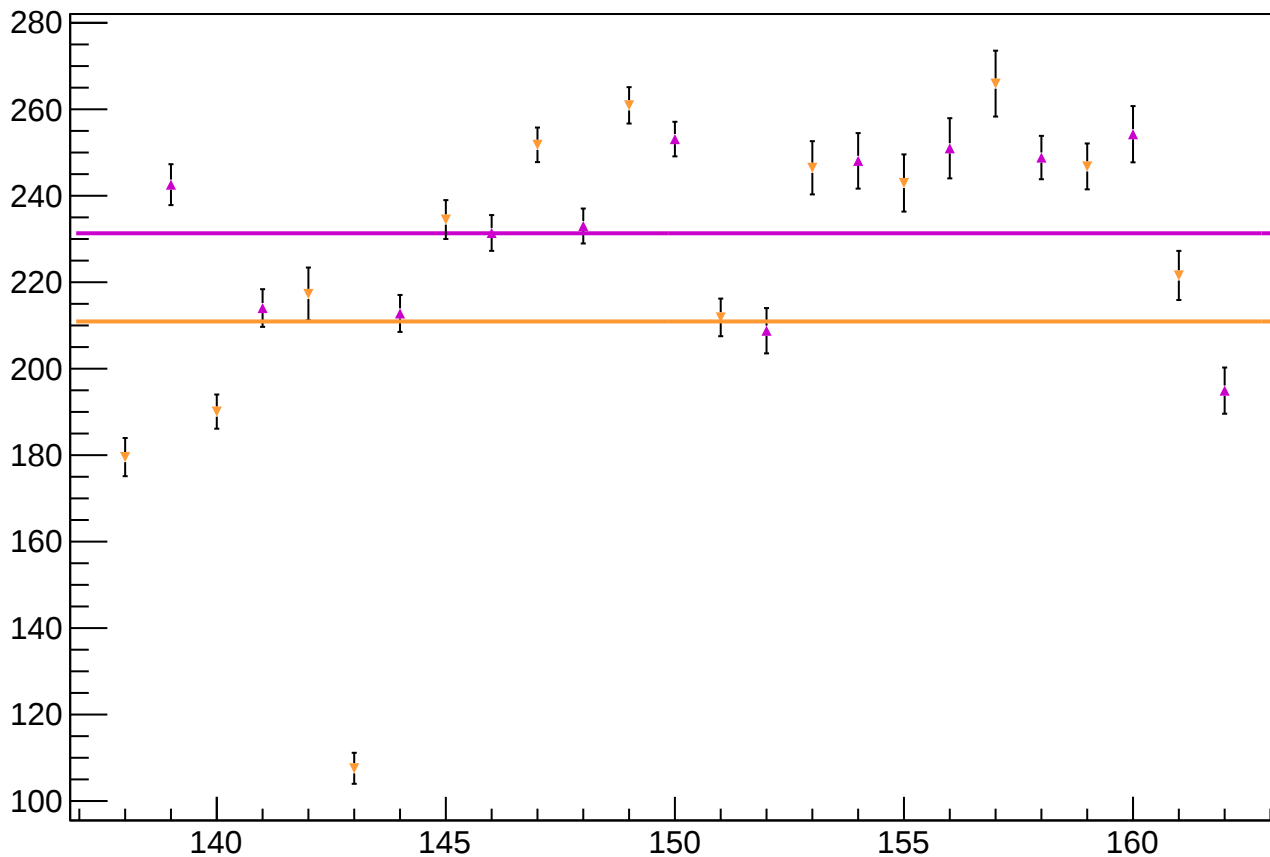
Left In: 141.863 $\pm$ 0.061 χ^2 /NDF: 14203.1/11

+ sign 116.541 $\pm$ 0.047 χ^2 /NDF: 752331.2/29

All: 117.181 $\pm$ 0.032 χ^2 /NDF: 1345993.9/60

- sign 117.785 $\pm$ 0.045 χ^2 /NDF: 593296.9/30

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: 210.926+/-1.320 χ^2/NDF :1341.7/12

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

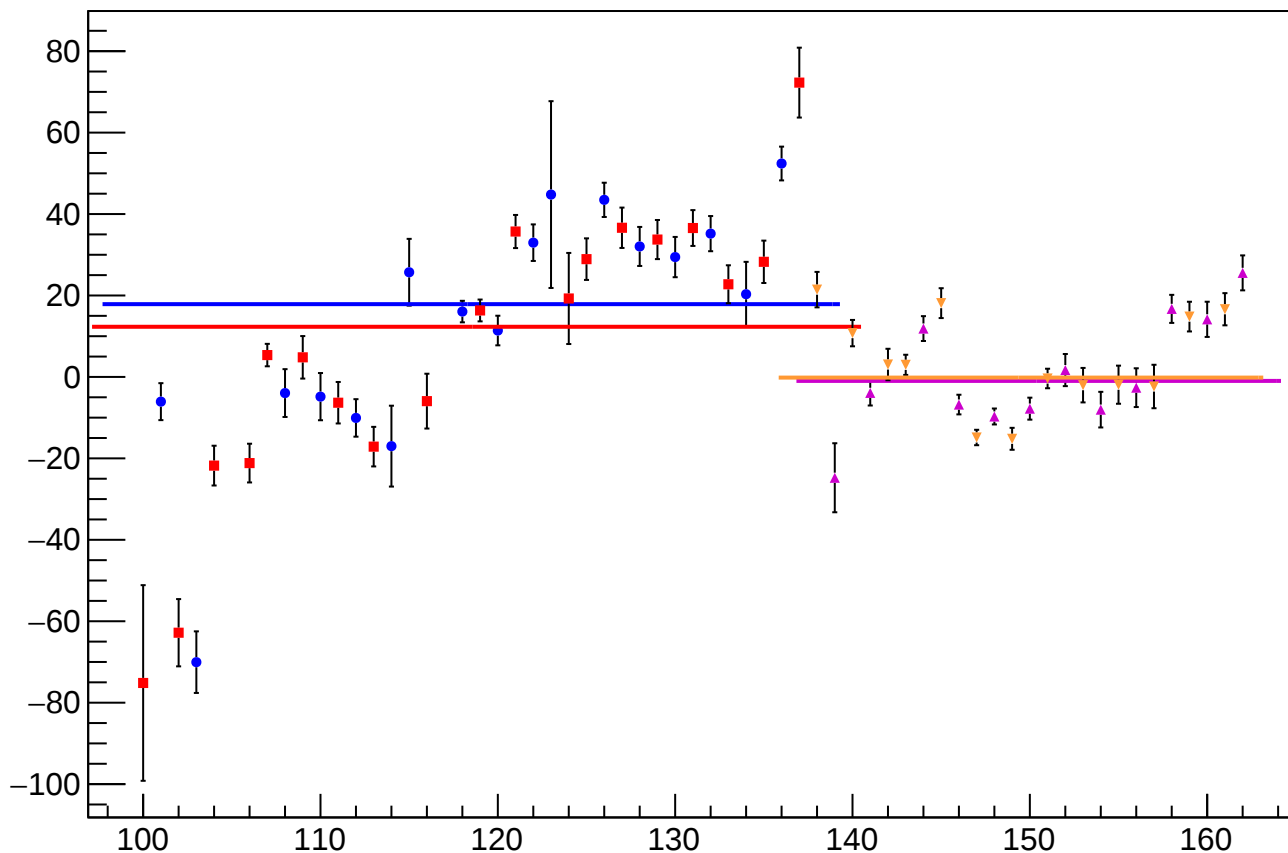
Left In: 231.323+/-1.395 χ^2/NDF :174.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 220.561+/-0.959 χ^2/NDF : 1628.8/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 $\pm$ 1.166 χ^2/NDF : 395.3/16

Left Out: -0.164 $\pm$ 0.871 χ^2/NDF :190.0/12

Right Out: 12.317 $\pm$ 1.083 χ^2/NDF : 444.0/18

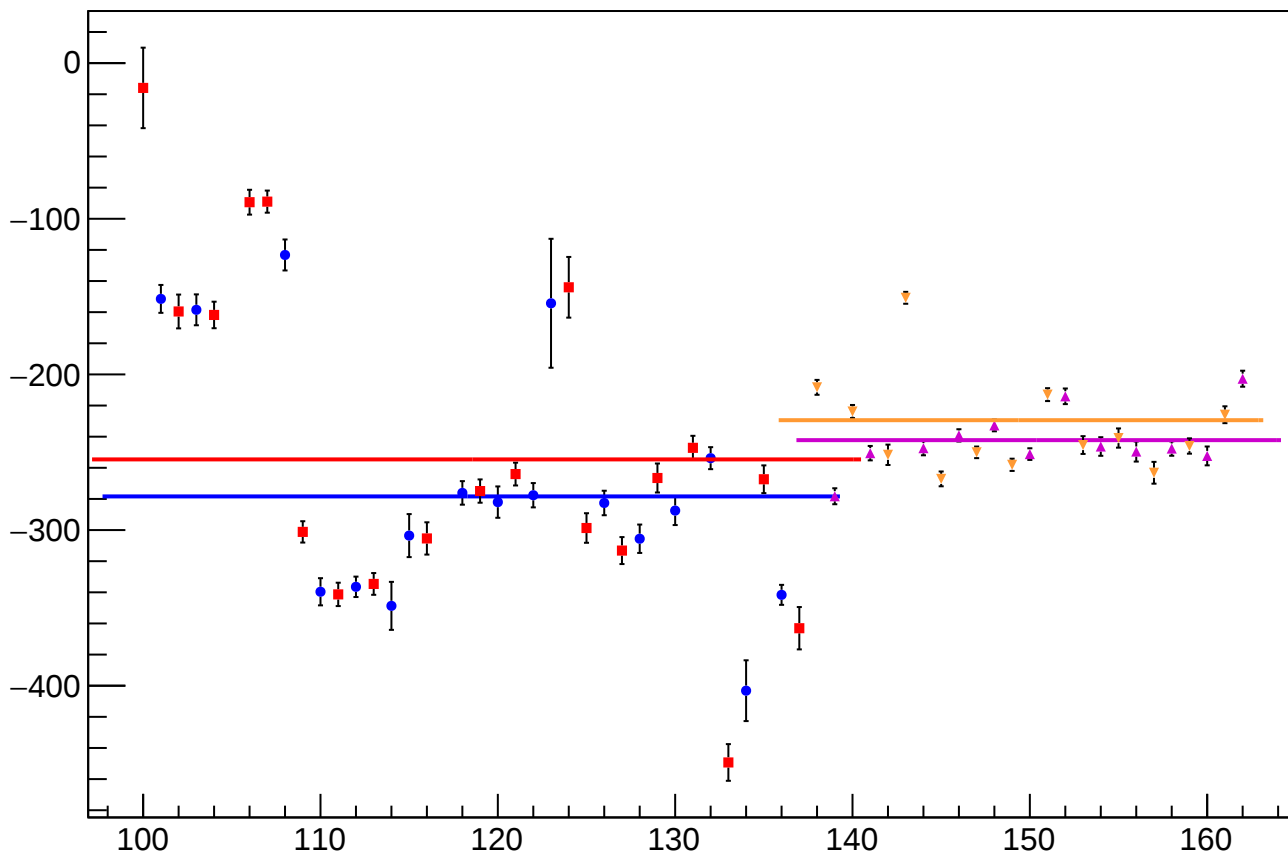
Left In: -0.977 $\pm$ 0.933 χ^2/NDF :138.6/11

+ sign 6.294 $\pm$ 0.698 χ^2/NDF : 739.0/29

All: 5.501 $\pm$ 0.497 χ^2/NDF : 1410.7/60

- sign 4.687 $\pm$ 0.707 χ^2/NDF : 669.1/30

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: -229.408 $\pm$ 1.310 χ^2 /NDF: 663.4/12

Right Out: -254.603 $\pm$ 2.020 χ^2 /NDF: 2037.5/18

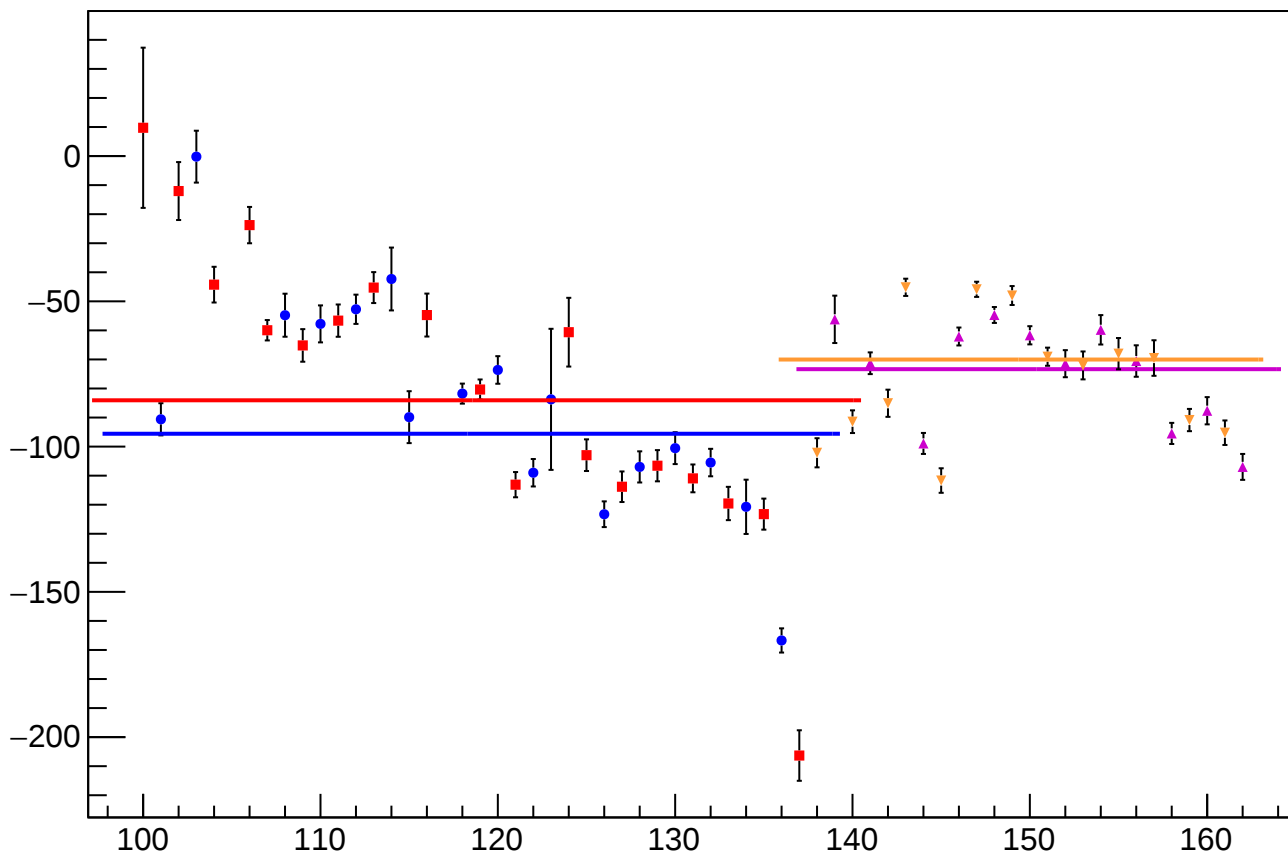
Left In: -242.229 $\pm$ 1.359 χ^2 /NDF: 162.8/11

+ sign -242.352 $\pm$ 1.123 χ^2 /NDF: 1943.6/29

All: -244.212 $\pm$ 0.796 χ^2 /NDF: 4175.3/60

- sign -246.087 $\pm$ 1.128 χ^2 /NDF: 2226.1/30

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -70.032 ± 1.058 χ^2/NDF : 445.8/12

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

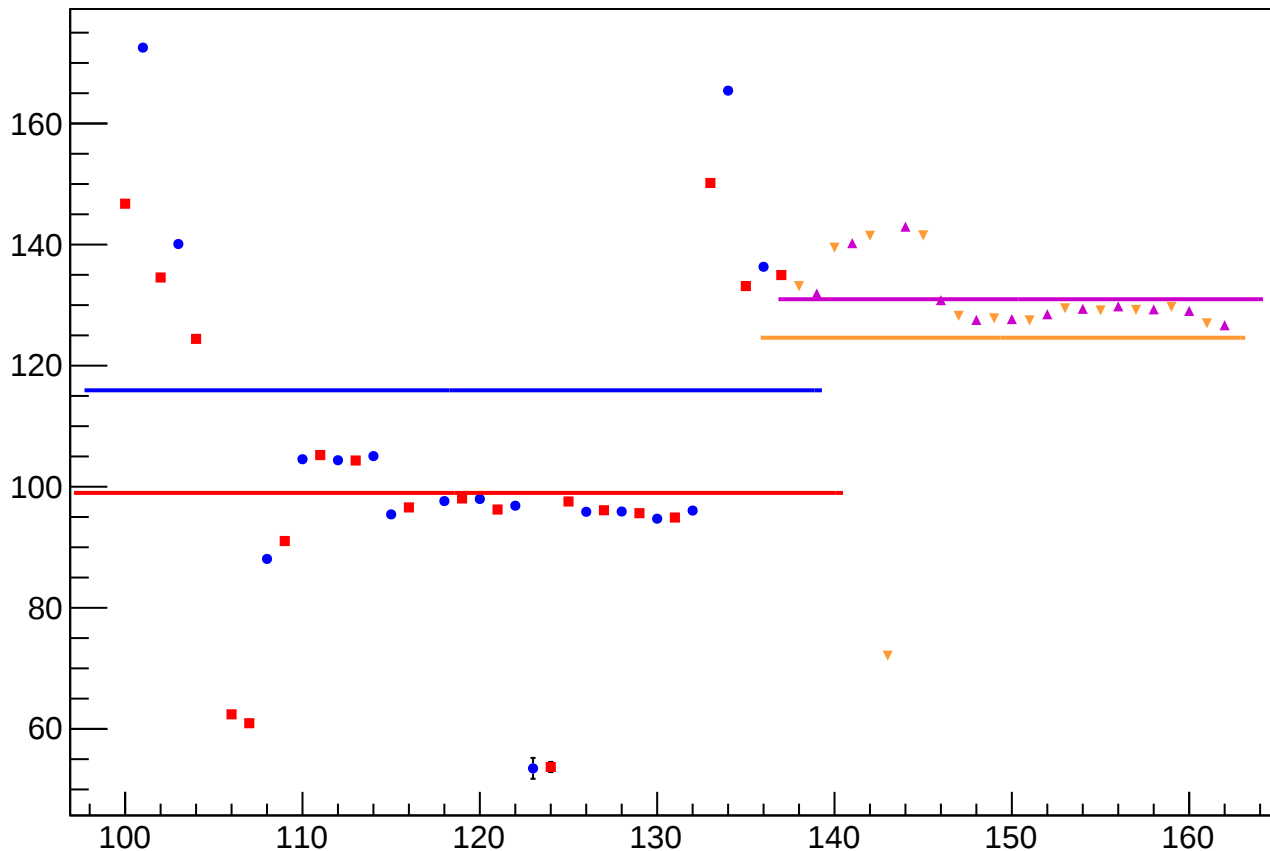
Left In: -73.351 ± 1.122 χ^2/NDF : 239.1/11

+ sign -79.839 ± 0.831 χ^2/NDF : 1340.7/29

All: -78.978 ± 0.590 χ^2/NDF : 2405.6/60

- sign -78.103 ± 0.837 χ^2/NDF : 1062.7/30

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: 124.615 $\pm$ 0.053 χ^2 /NDF: 141384.7/12

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

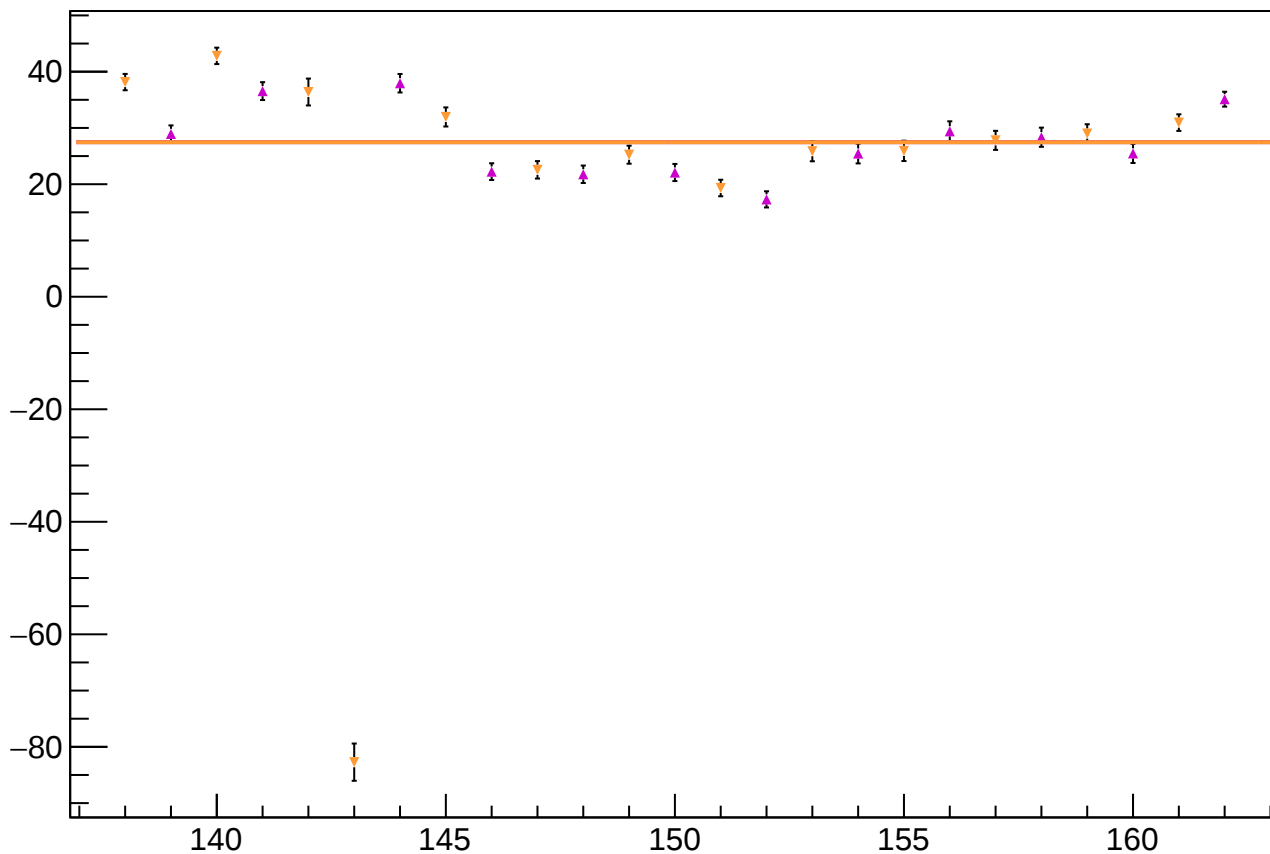
Left In: 130.973 $\pm$ 0.054 χ^2 /NDF: 7801.4/11

+ sign 121.914 $\pm$ 0.044 χ^2 /NDF: 255634.0/29

All: 120.263 $\pm$ 0.030 χ^2 /NDF: 573467.7/60

- sign 118.706 $\pm$ 0.042 χ^2 /NDF: 315062.4/30

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



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

Left Out: 27.462 $\pm$ 0.465 χ^2 /NDF:1344.1/12

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

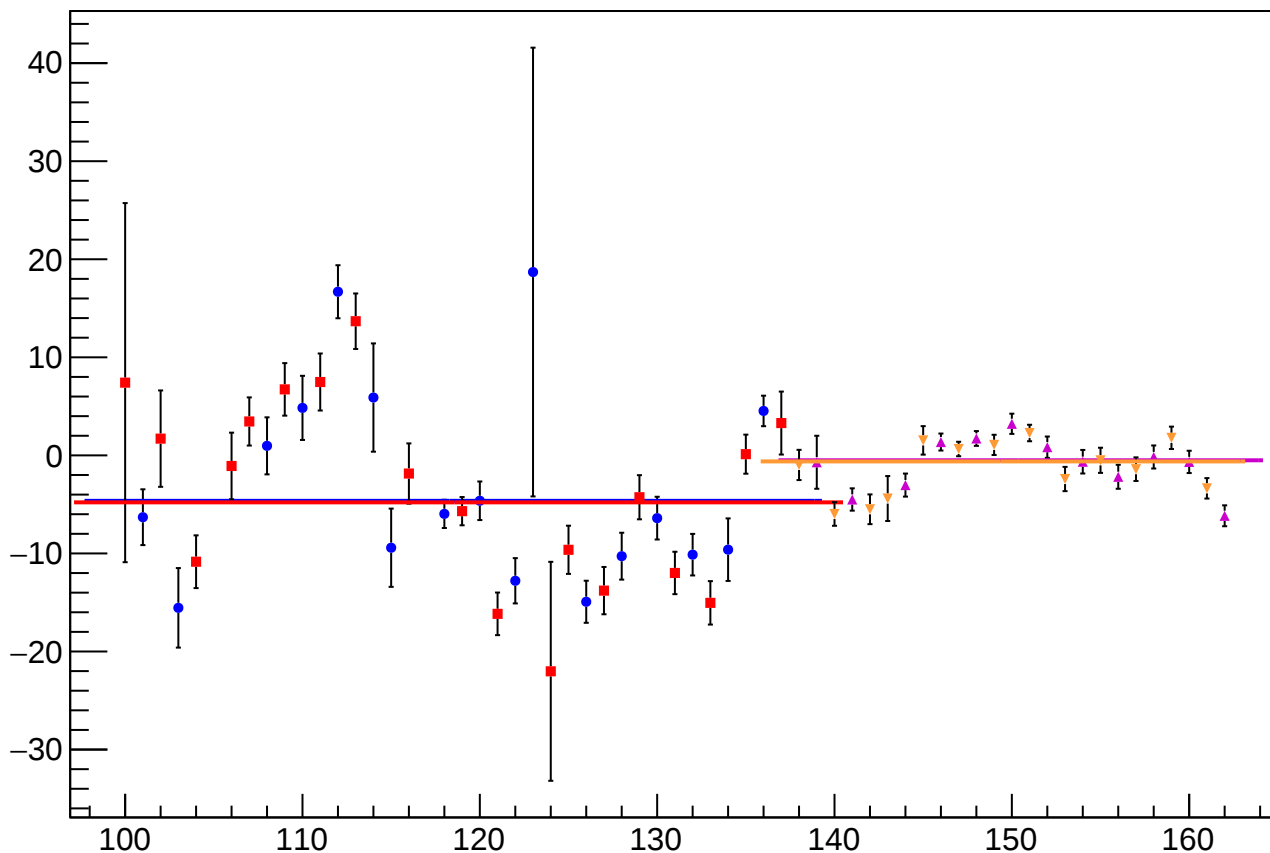
Left In: 27.482 $\pm$ 0.452 χ^2 /NDF:200.3/11

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

All: 27.472 $\pm$ 0.324 χ^2 /NDF: 1544.4/24

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

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 $\pm$ 0.588 χ^2 /NDF: 174.4/16

Left Out: -0.615 $\pm$ 0.316 χ^2 /NDF: 66.6/12

Right Out: -4.791 $\pm$ 0.585 χ^2 /NDF: 192.5/18

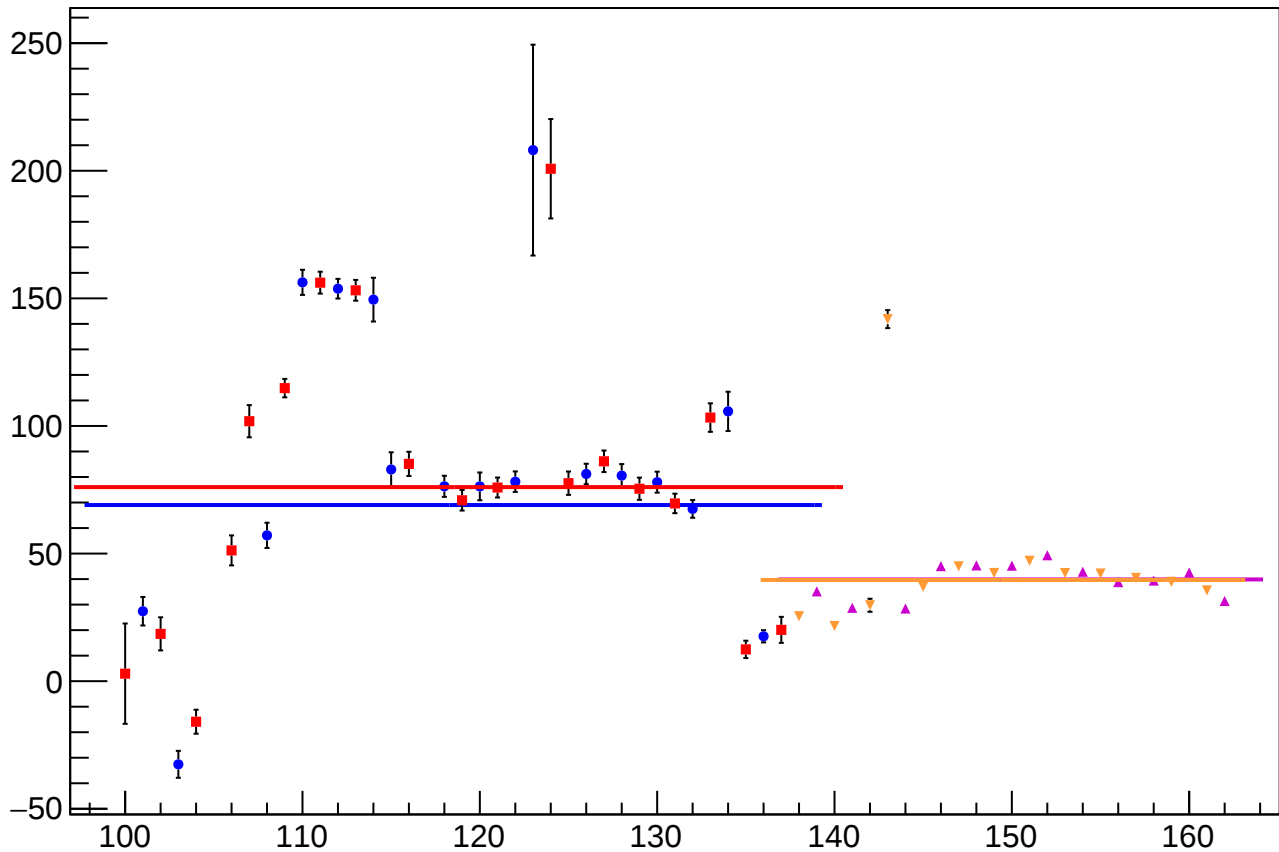
Left In: -0.502 $\pm$ 0.312 χ^2 /NDF: 75.1/11

+ sign -1.515 $\pm$ 0.278 χ^2 /NDF: 277.4/29

All: -1.484 $\pm$ 0.196 χ^2 /NDF: 586.9/60

- sign -1.454 $\pm$ 0.275 χ^2 /NDF: 309.5/30

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 39.666+/-0.454 χ^2/NDF : 1129.2/12

Right Out: 76.041+/-1.070 χ^2/NDF : 1881.9/18

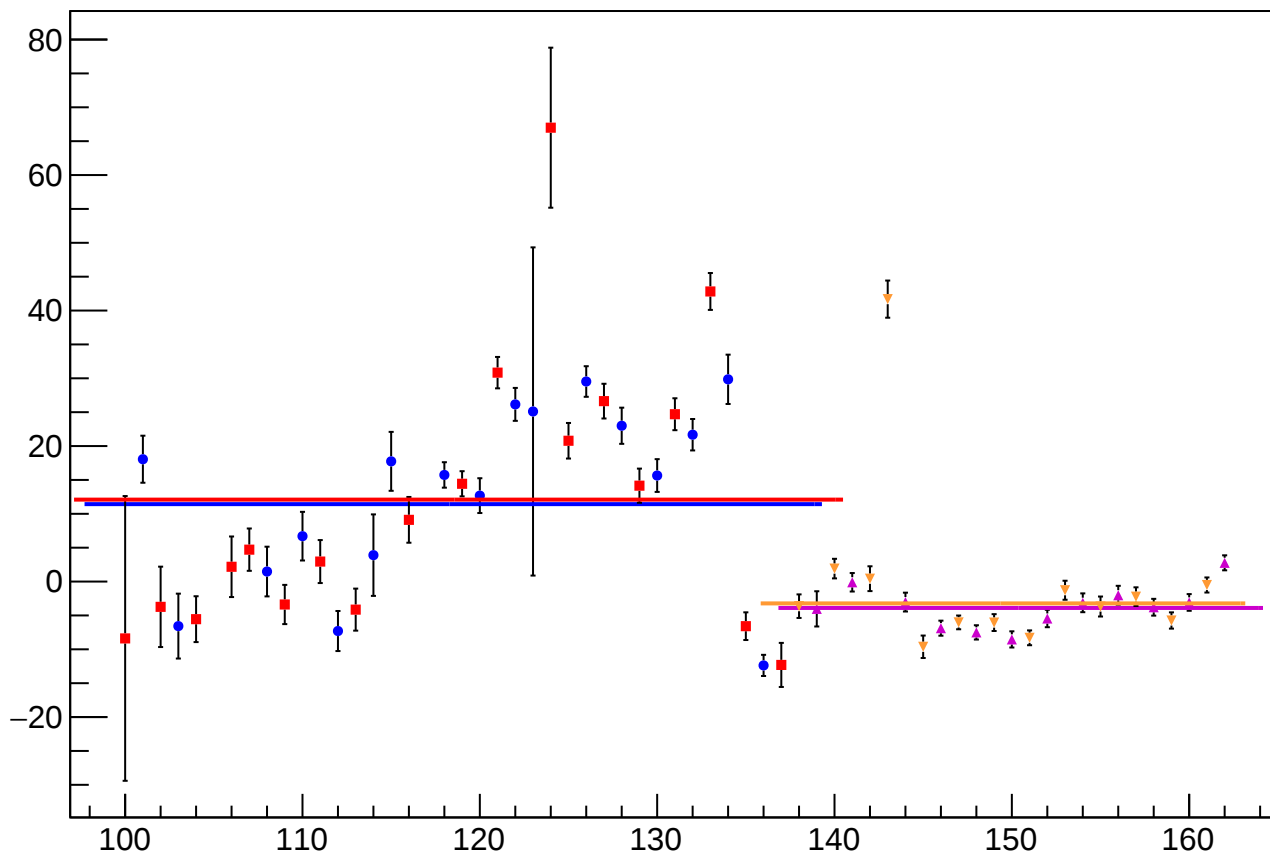
Left In: 39.862+/-0.438 χ^2/NDF : 233.7/11

+ sign 44.057+/-0.419 χ^2/NDF : 3601.4/29

All: 44.577+/-0.291 χ^2/NDF : 6699.1/60

- sign 45.065+/-0.406 χ^2/NDF : 3094.7/30

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 ± 0.665 $\chi^2/\text{NDF}: 476.8/16$

Left Out: -3.223 ± 0.377 $\chi^2/\text{NDF}: 346.9/12$

Right Out: 12.095 ± 0.664 $\chi^2/\text{NDF}: 539.1/18$

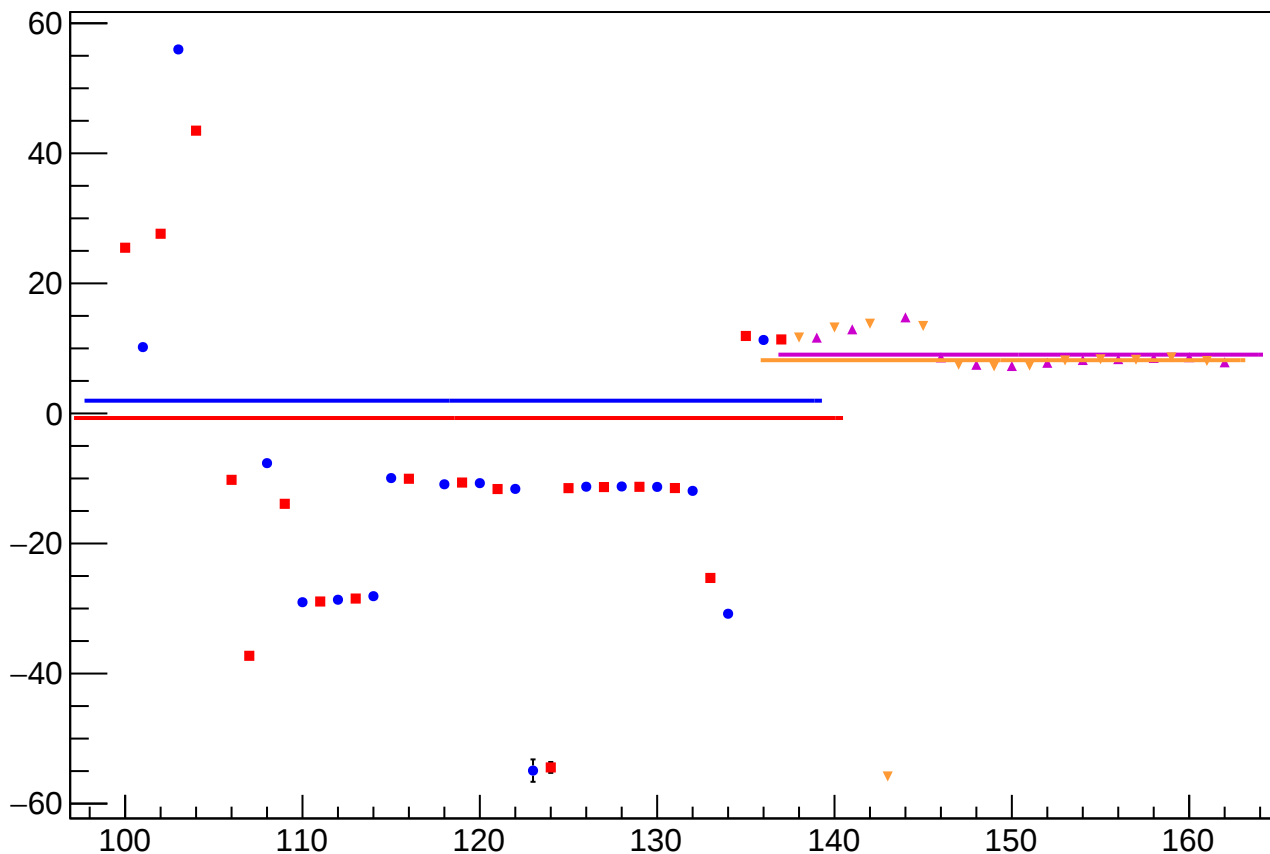
Left In: -3.896 ± 0.368 $\chi^2/\text{NDF}: 82.3/11$

+ sign 0.330 ± 0.328 $\chi^2/\text{NDF}: 1190.9/29$

All: 0.093 ± 0.230 $\chi^2/\text{NDF}: 2257.0/60$

- sign -0.136 ± 0.322 $\chi^2/\text{NDF}: 1065.1/30$

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: 8.186 ± 0.018 χ^2/NDF : 222510.2/12

Right Out: -0.704 ± 0.037 χ^2/NDF : 361168.6/18

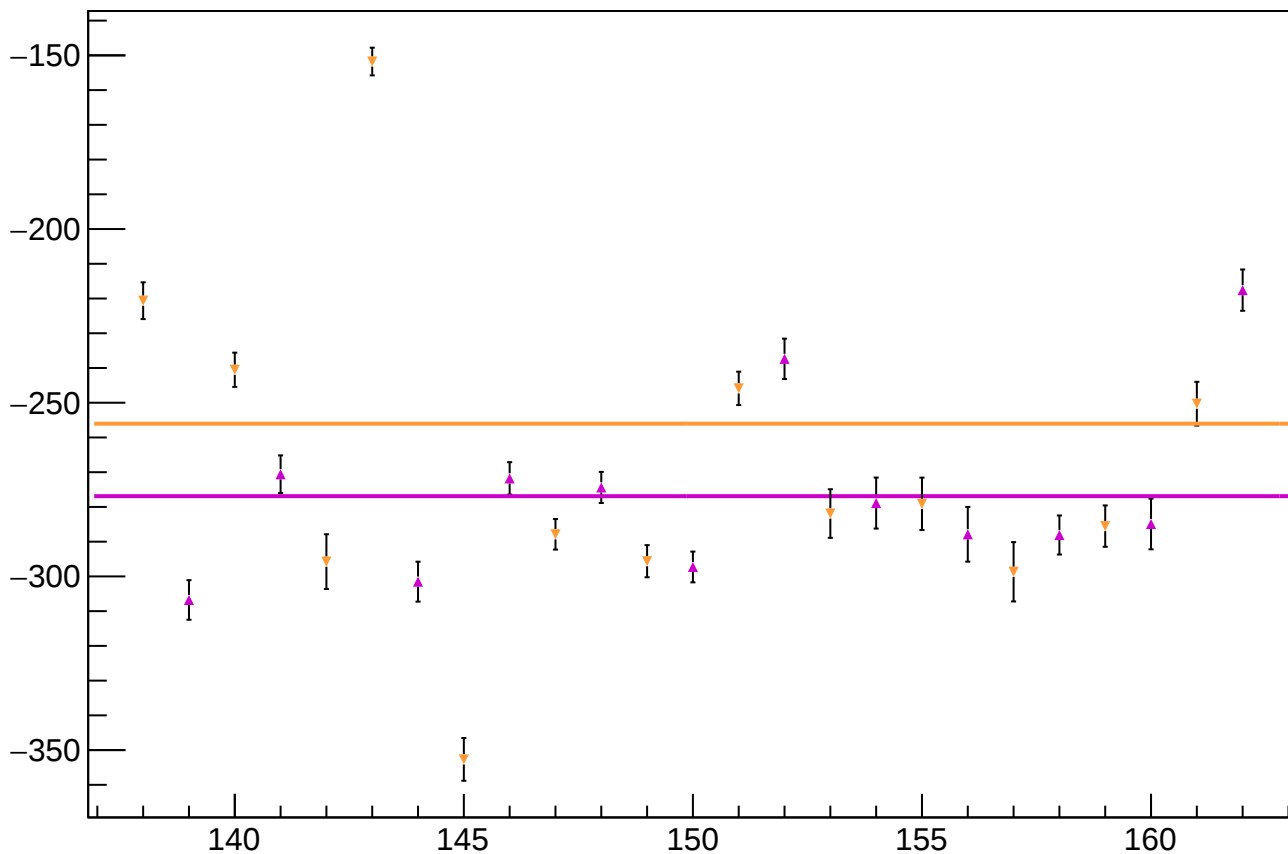
Left In: 9.041 ± 0.017 χ^2/NDF : 13996.8/11

+ sign 7.034 ± 0.016 χ^2/NDF : 603857.8/29

All: 7.192 ± 0.011 χ^2/NDF : 1036097.0/60

- sign 7.340 ± 0.016 χ^2/NDF : 432049.5/30

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: -256.031+/-1.526 χ^2/NDF :1213.1/12

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

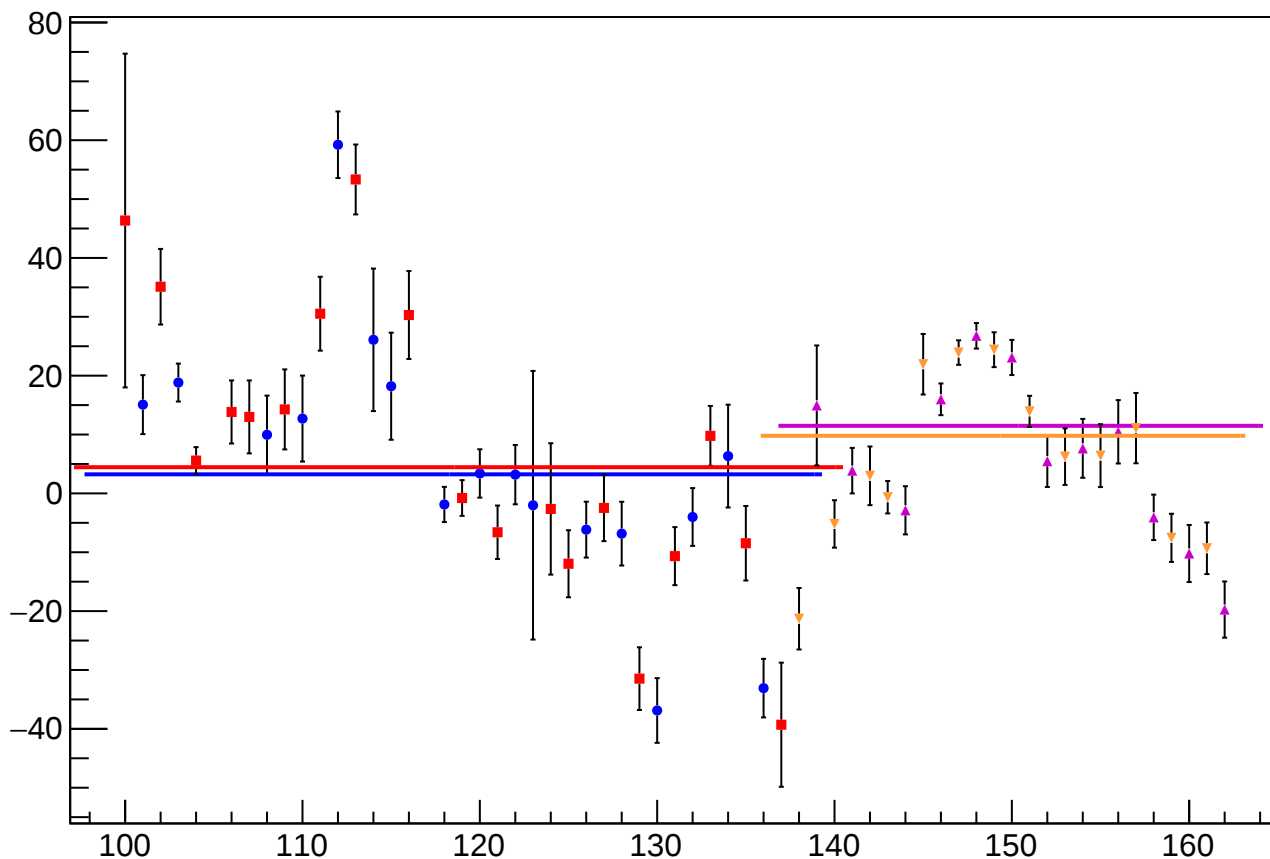
Left In: -276.900+/-1.612 χ^2/NDF :222.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -265.896+/-1.108 χ^2/NDF : 1524.2/24

- 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: 9.789 ± 0.993 χ^2/NDF : 182.0/12

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

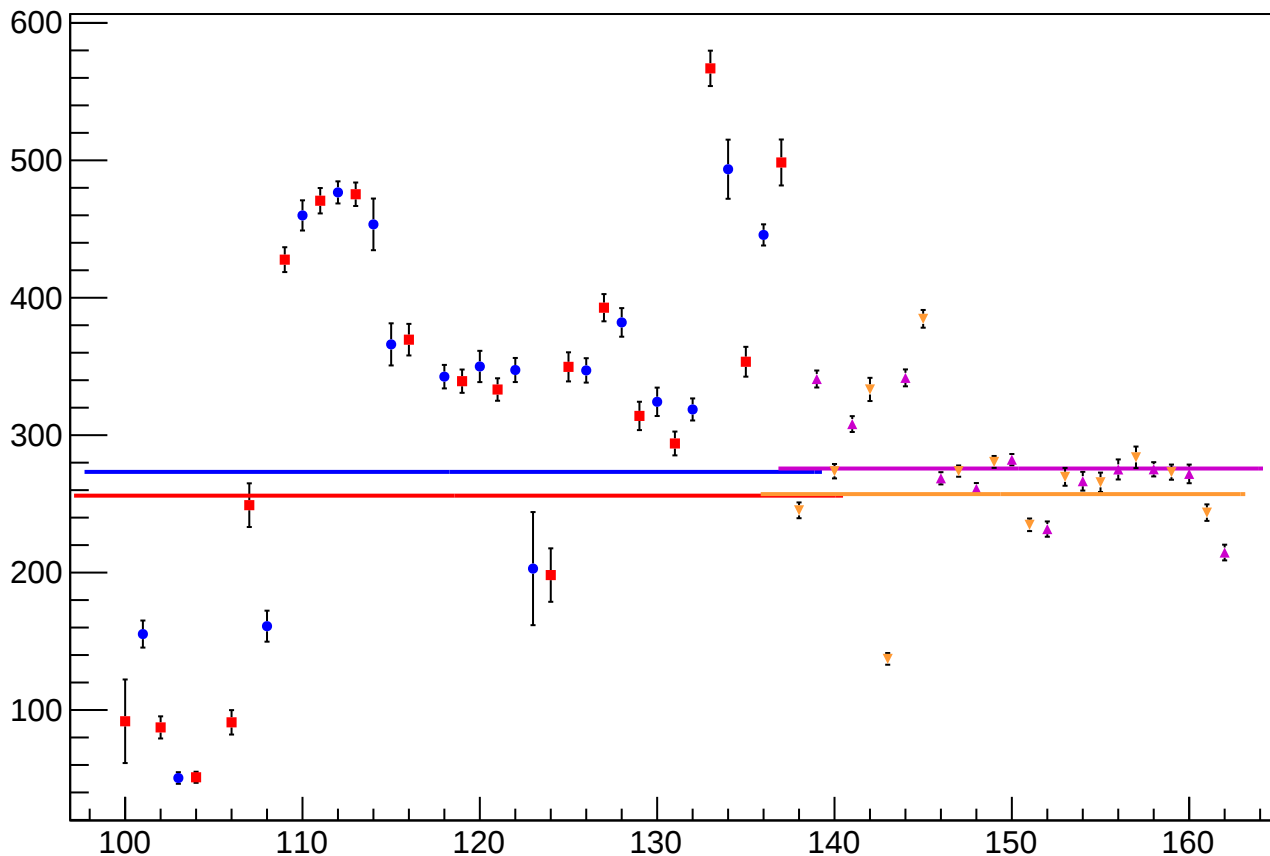
Left In: 11.480 ± 1.067 χ^2/NDF : 165.4/11

+ sign 7.238 ± 0.776 χ^2/NDF : 454.2/29

All: 7.739 ± 0.552 χ^2/NDF : 866.2/60

- sign 8.250 ± 0.784 χ^2/NDF : 411.1/30

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: 257.116 $\pm$ 1.505 χ^2 /NDF:1379.1/12

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

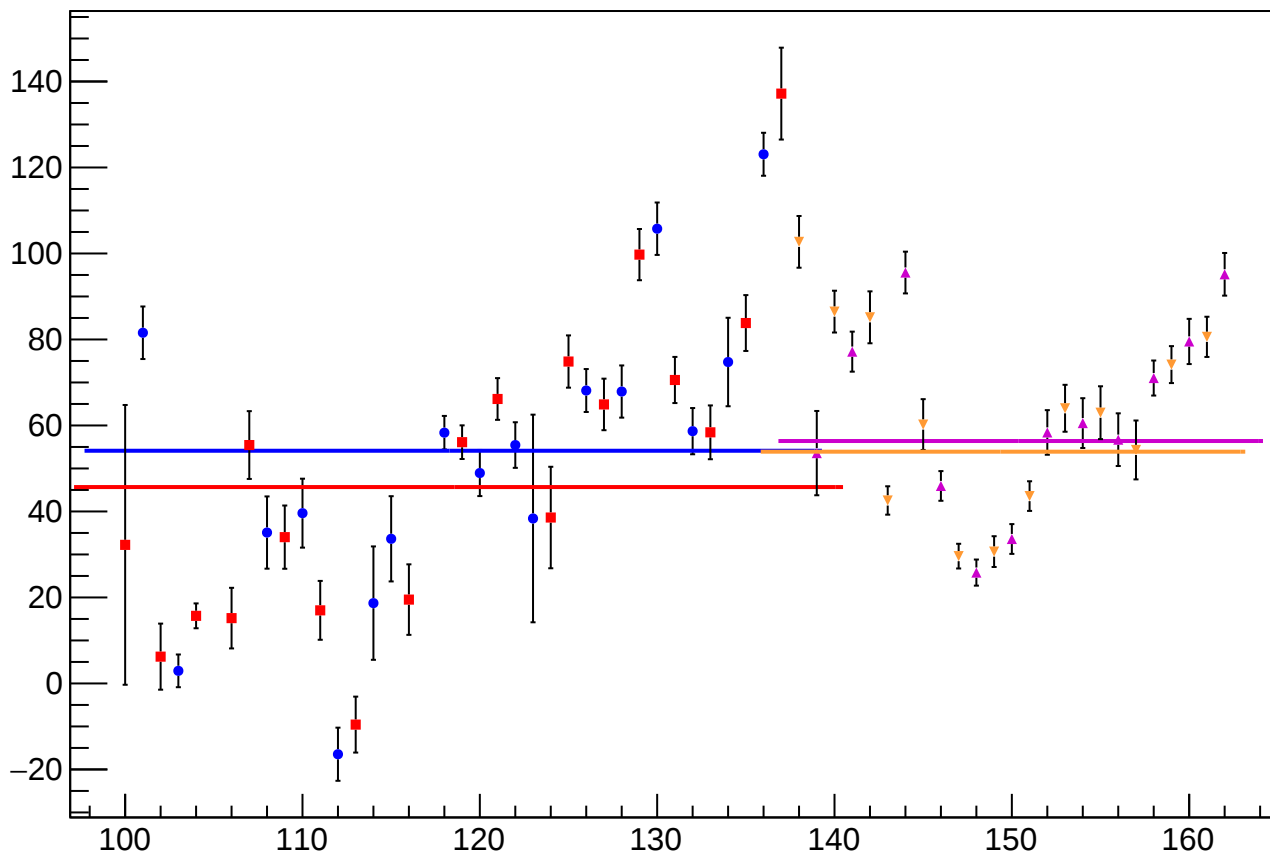
Left In: 275.723 $\pm$ 1.562 χ^2 /NDF:453.8/11

+ sign 262.255 $\pm$ 1.243 χ^2 /NDF: 6517.2/29

All: 265.416 $\pm$ 0.881 χ^2 /NDF: 13480.1/60

- sign 268.606 $\pm$ 1.249 χ^2 /NDF: 6949.9/30

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 53.903+/-1.210 χ^2/NDF : 333.6/12

Right Out: 45.675+/-1.357 χ^2/NDF : 531.0/18

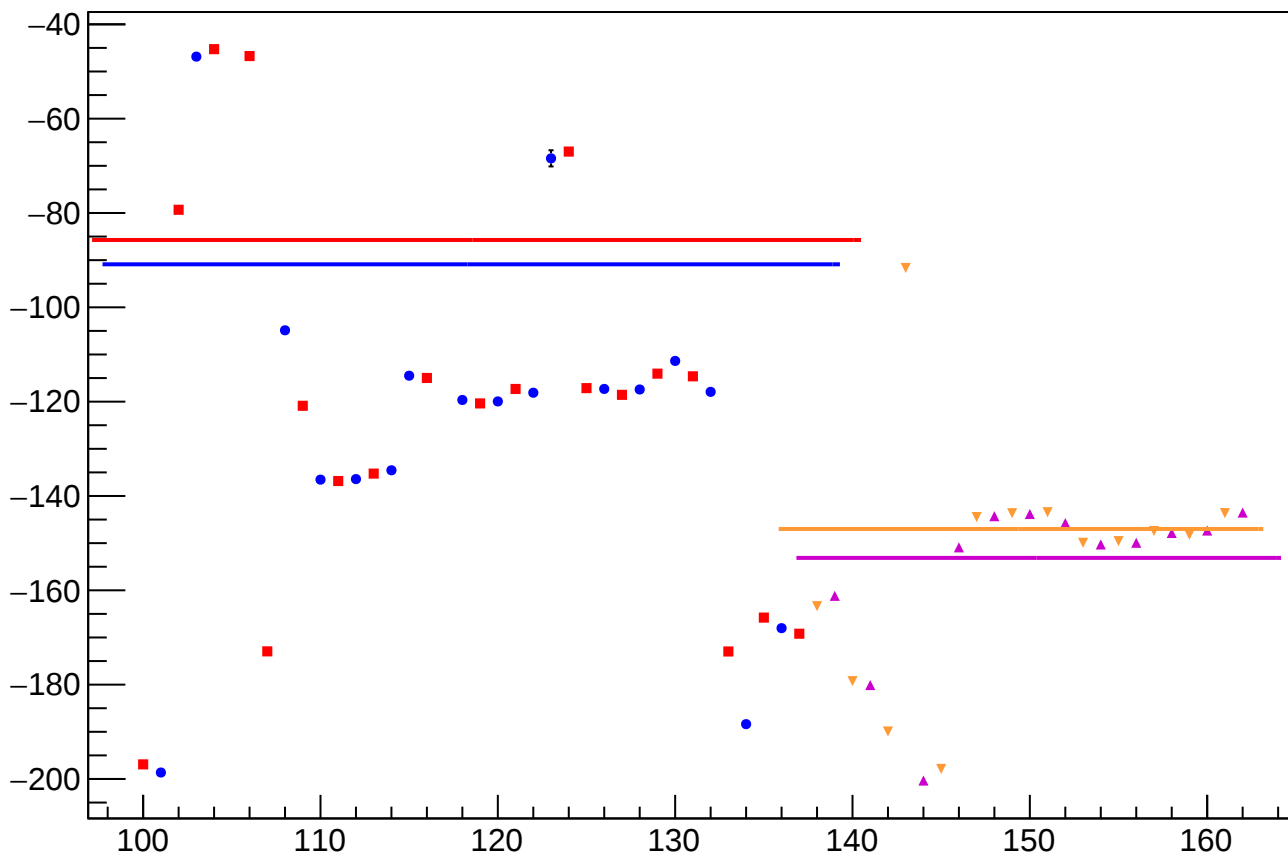
Left In: 56.383+/-1.285 χ^2/NDF : 333.2/11

+ sign 53.993+/-0.926 χ^2/NDF : 967.5/29

All: 52.667+/-0.657 χ^2/NDF : 1868.7/60

- sign 51.320+/-0.933 χ^2/NDF : 897.1/30

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: -146.993+/-0.061 χ^2/NDF : 187044.0/12

Right Out: -85.722+/-0.065 χ^2/NDF : 494183.1/18

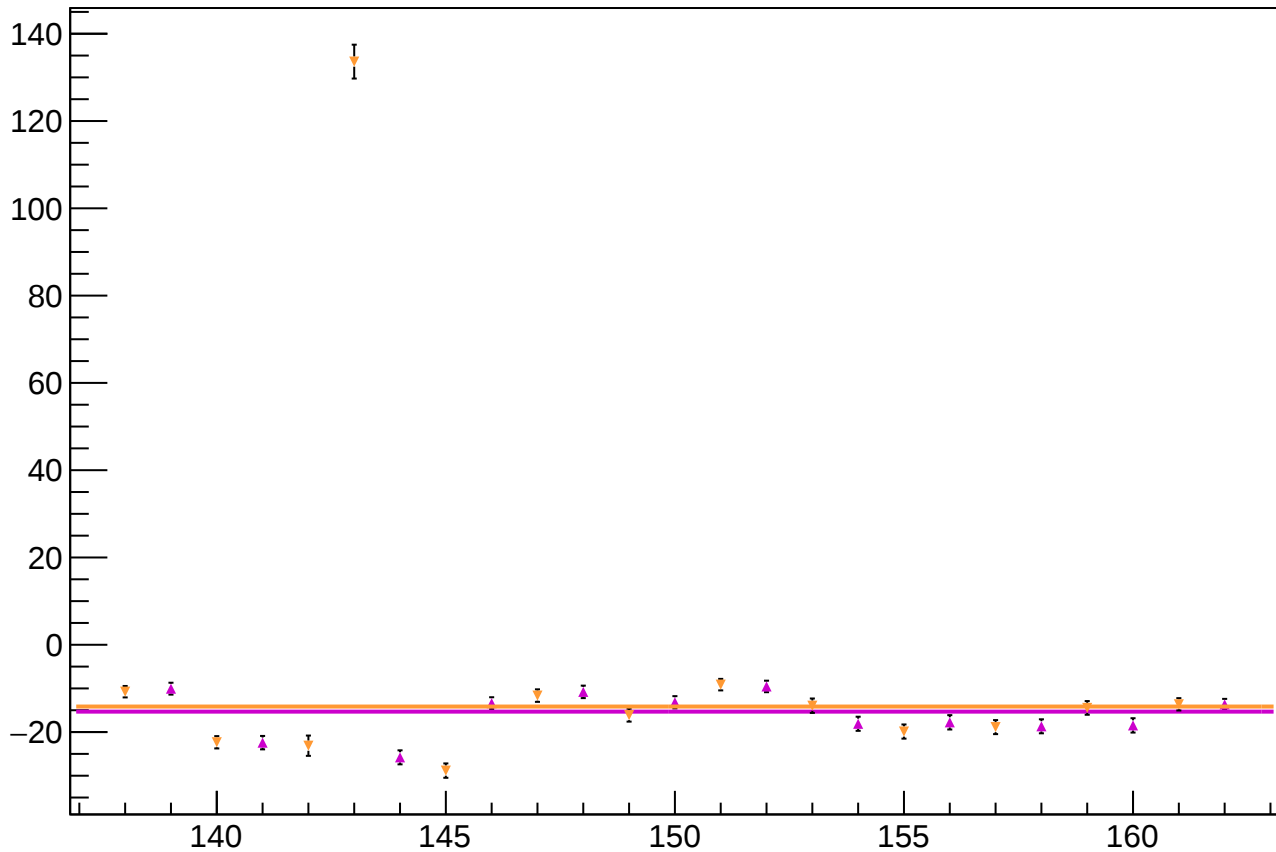
Left In: -153.127+/-0.062 χ^2/NDF : 55304.0/11

+ sign -122.046+/-0.045 χ^2/NDF : 1101405.1/29

All: -121.524+/-0.032 χ^2/NDF : 2212980.4/60

- sign -121.009+/-0.045 χ^2/NDF : 1111310.5/30

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: -14.151+/-0.436 χ^2/NDF :1624.6/12

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

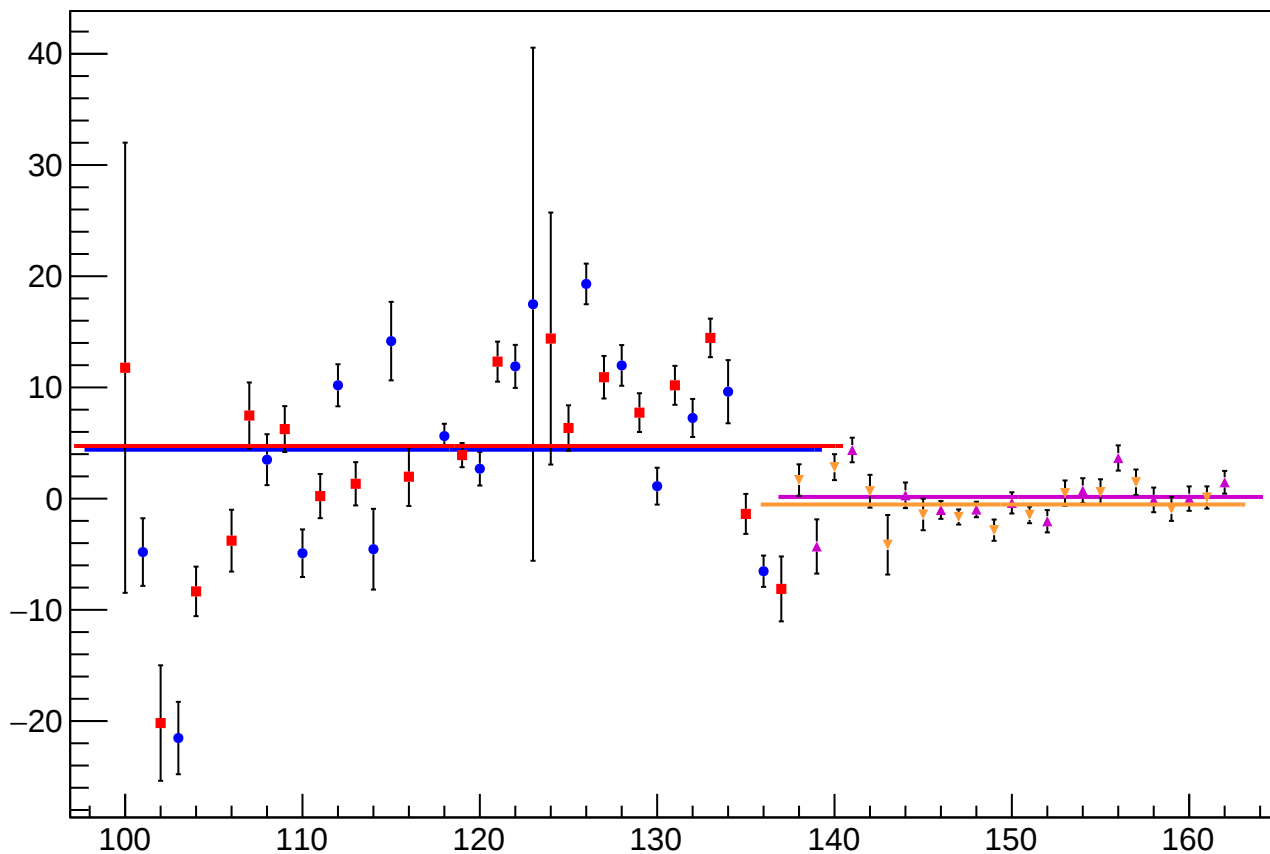
Left In: -15.318+/-0.424 χ^2/NDF :126.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -14.752+/-0.304 χ^2/NDF : 1755.2/24

- 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: -0.527 ± 0.295 χ^2/NDF : 29.0/12

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

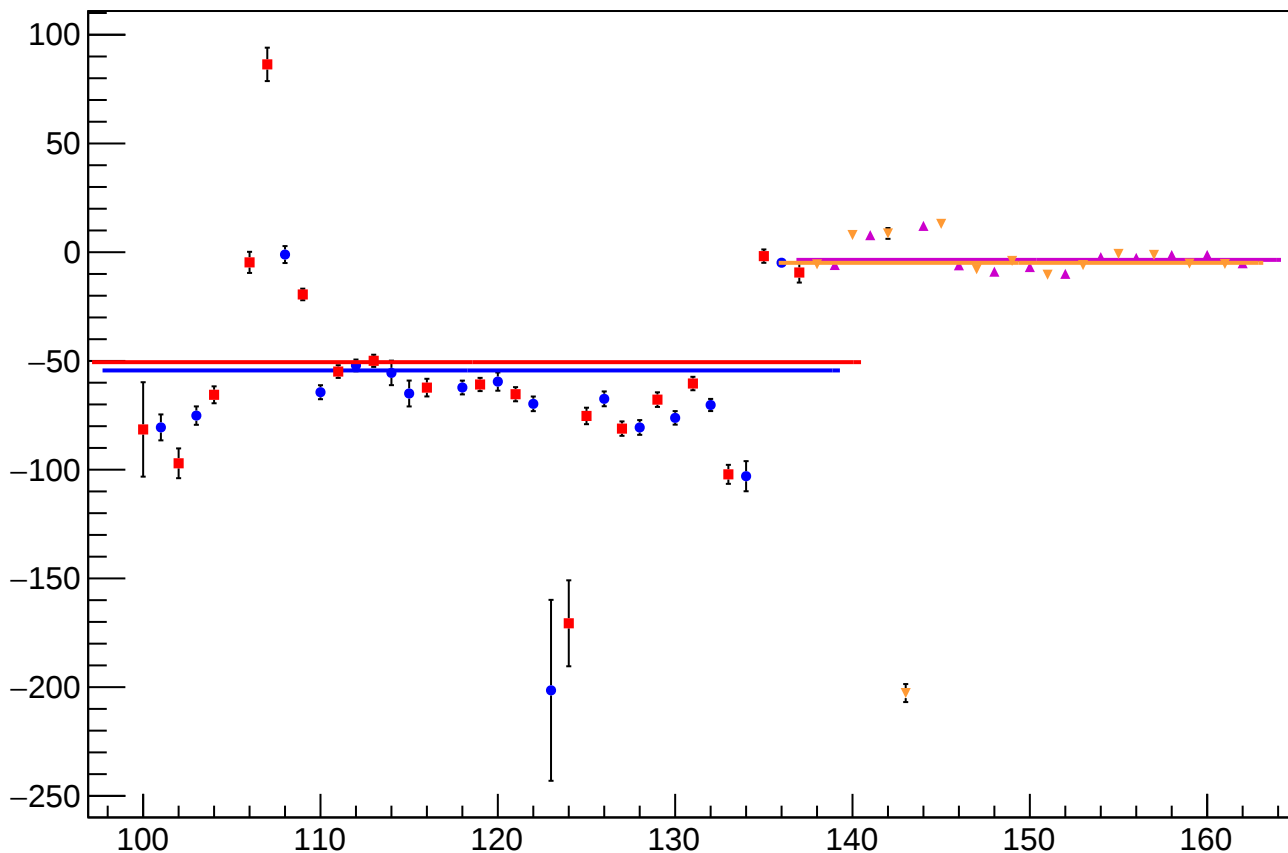
Left In: 0.153 ± 0.293 χ^2/NDF : 39.3/11

+ sign 0.860 ± 0.250 χ^2/NDF : 394.4/29

All: 1.142 ± 0.176 χ^2/NDF : 686.9/60

- sign 1.422 ± 0.249 χ^2/NDF : 289.9/30

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: -4.880 ± 0.425 χ^2/NDF : 2529.9/12

Right Out: -50.554 ± 0.858 χ^2/NDF : 1321.3/18

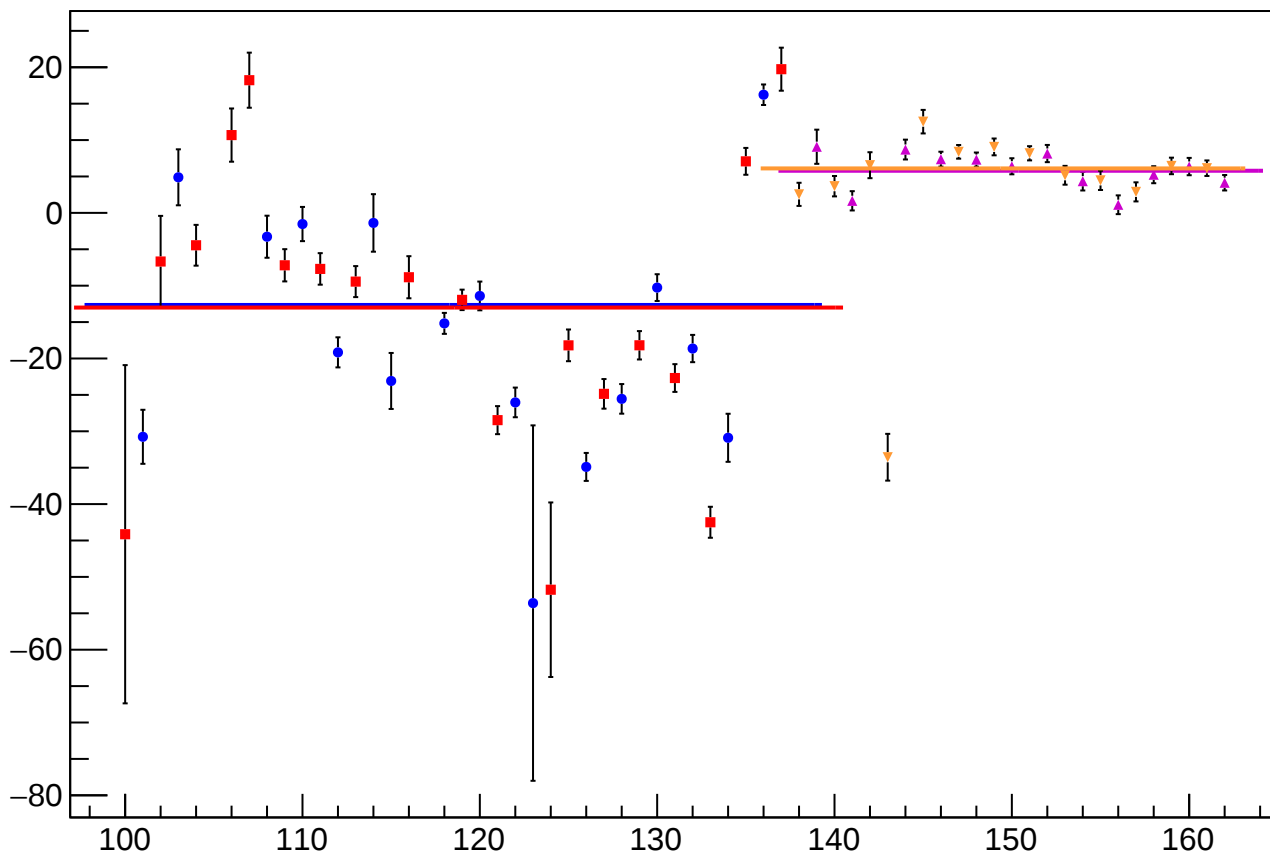
Left In: -3.522 ± 0.411 χ^2/NDF : 192.4/11

+ sign -14.455 ± 0.382 χ^2/NDF : 6163.3/29

All: -13.341 ± 0.266 χ^2/NDF : 10140.6/60

- sign -12.294 ± 0.370 χ^2/NDF : 3960.8/30

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: 6.107 ± 0.353 χ^2/NDF : 201.7/12

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

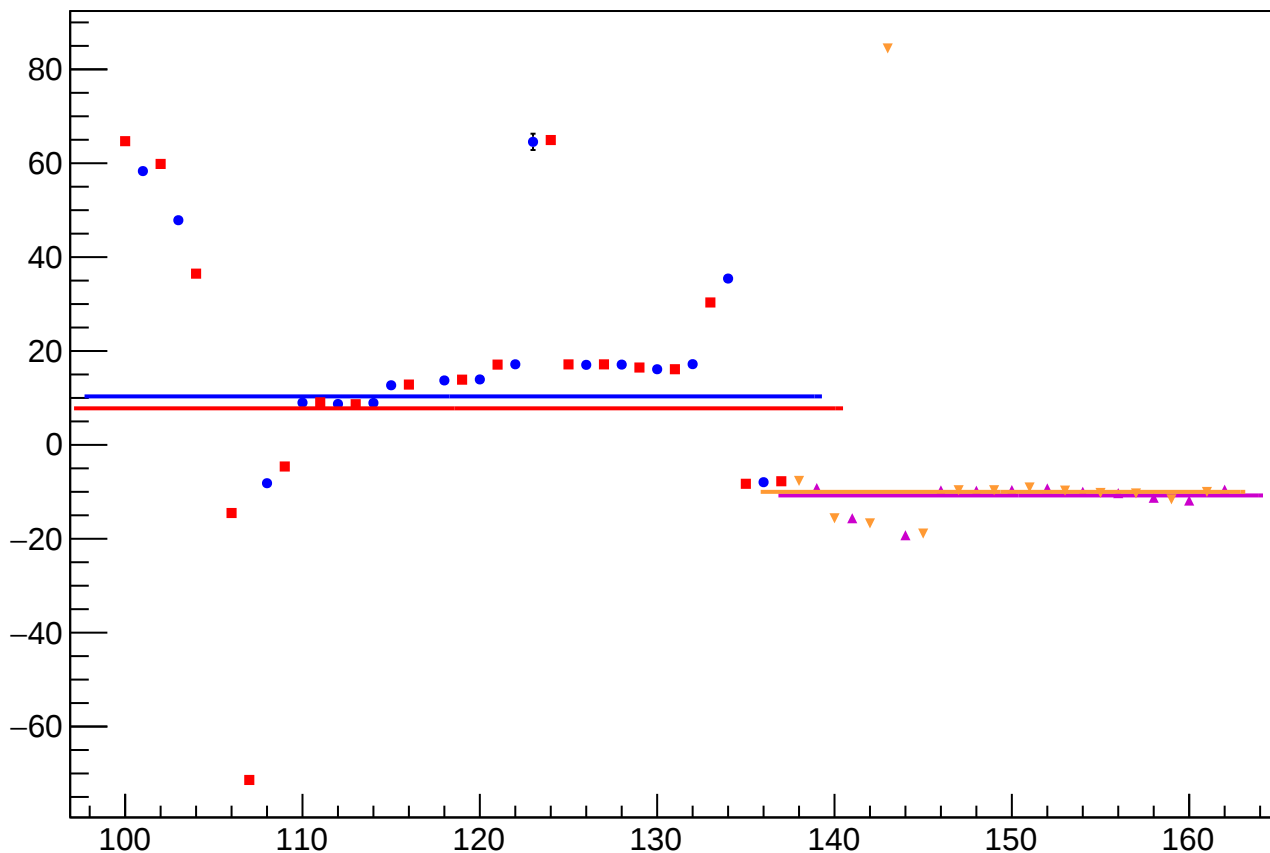
Left In: 5.786 ± 0.346 χ^2/NDF : 42.7/11

+ sign 0.446 ± 0.295 χ^2/NDF : 1844.0/29

All: 0.367 ± 0.207 χ^2/NDF : 3472.9/60

- sign 0.290 ± 0.291 χ^2/NDF : 1628.7/30

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: -10.002+/-0.017 χ^2/NDF : 355763.3/12

Right Out: 7.786+/-0.031 χ^2/NDF : 544119.7/18

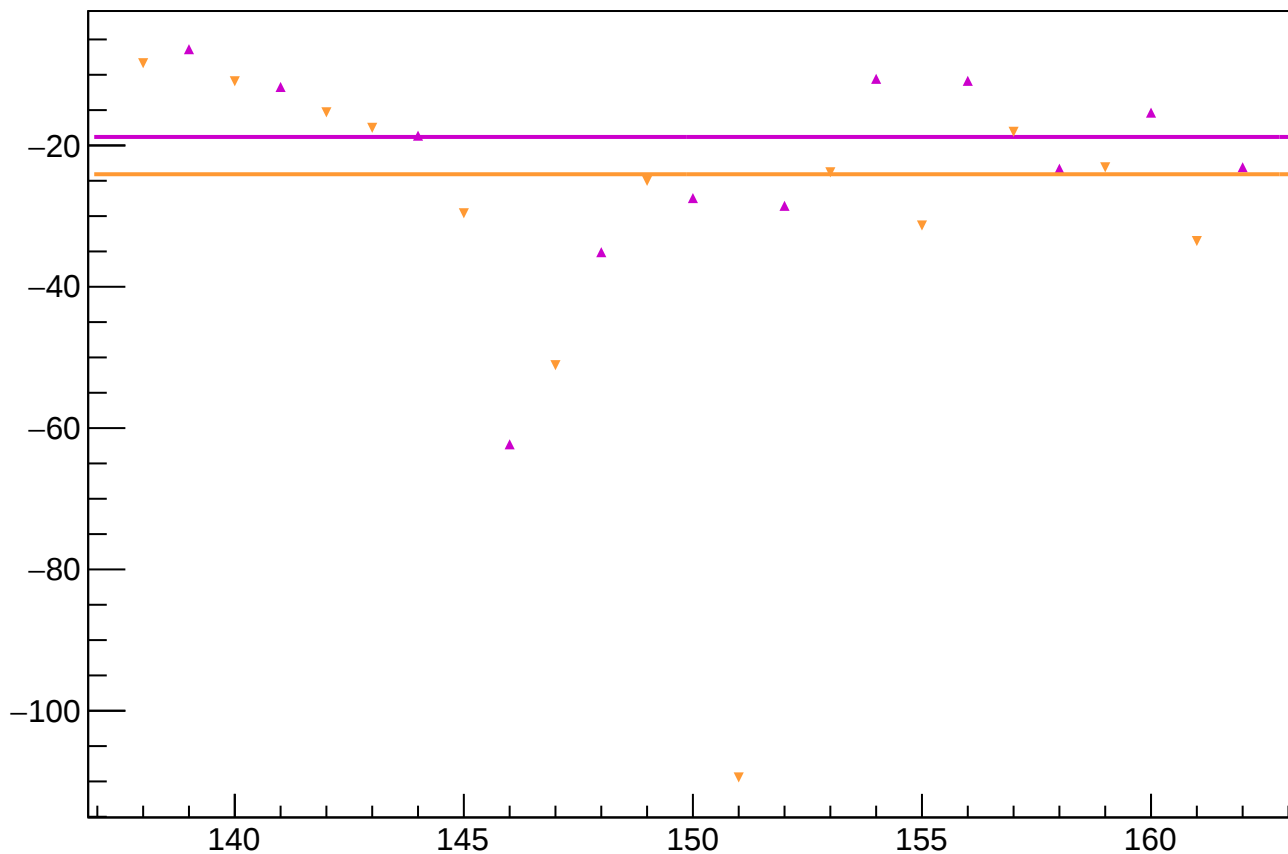
Left In: -10.769+/-0.016 χ^2/NDF : 22424.4/11

+ sign -5.410+/-0.015 χ^2/NDF : 1076709.4/29

All: -6.192+/-0.010 χ^2/NDF : 1927646.3/60

- sign -6.937+/-0.014 χ^2/NDF : 845315.2/30

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -24.075+/-0.072 χ^2/NDF : 52159.5/12

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

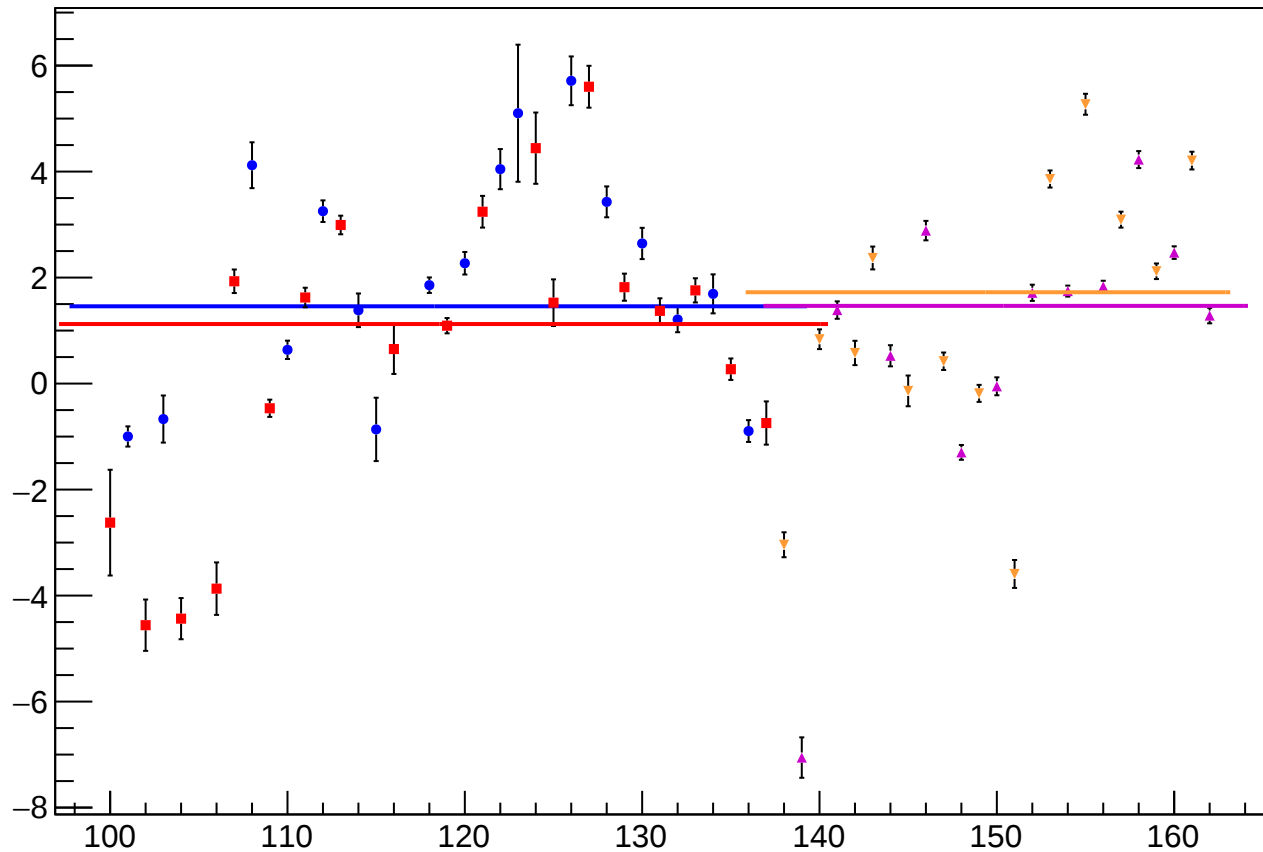
Left In: -18.798+/-0.060 χ^2/NDF : 36683.6/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.967+/-0.046 χ^2/NDF : 91994.0/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 1.723 ± 0.051 χ^2/NDF : 1926.0/12

Right Out: 1.123 ± 0.058 χ^2/NDF : 947.4/18

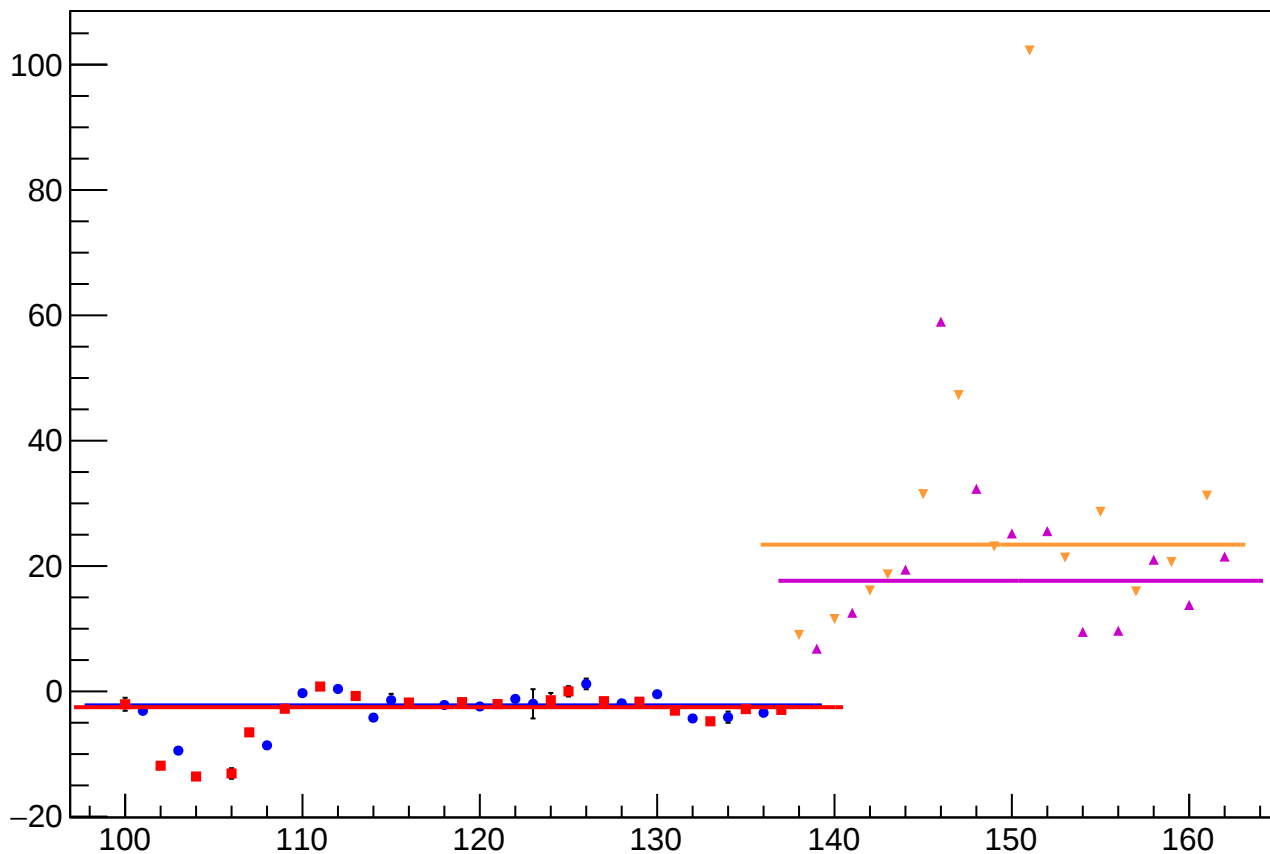
Left In: 1.466 ± 0.042 χ^2/NDF : 1444.5/11

+ sign 1.615 ± 0.040 χ^2/NDF : 2635.0/29

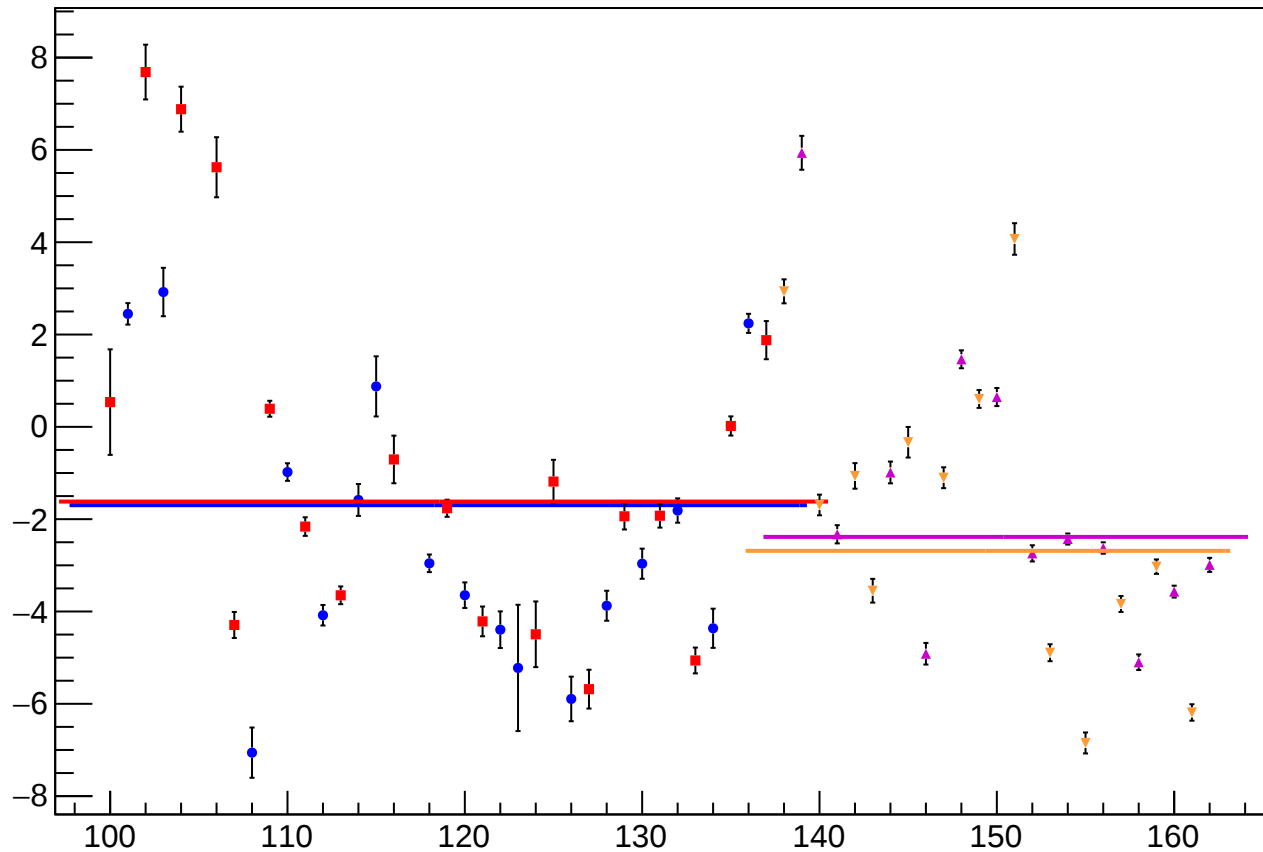
All: 1.462 ± 0.026 χ^2/NDF : 5075.9/60

- sign 1.348 ± 0.034 χ^2/NDF : 2414.7/30

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697+/-0.071 χ^2/NDF : 1319.4/16

Left Out: -2.686+/-0.060 χ^2/NDF : 2230.7/12

Right Out: -1.618+/-0.066 χ^2/NDF : 1489.2/18

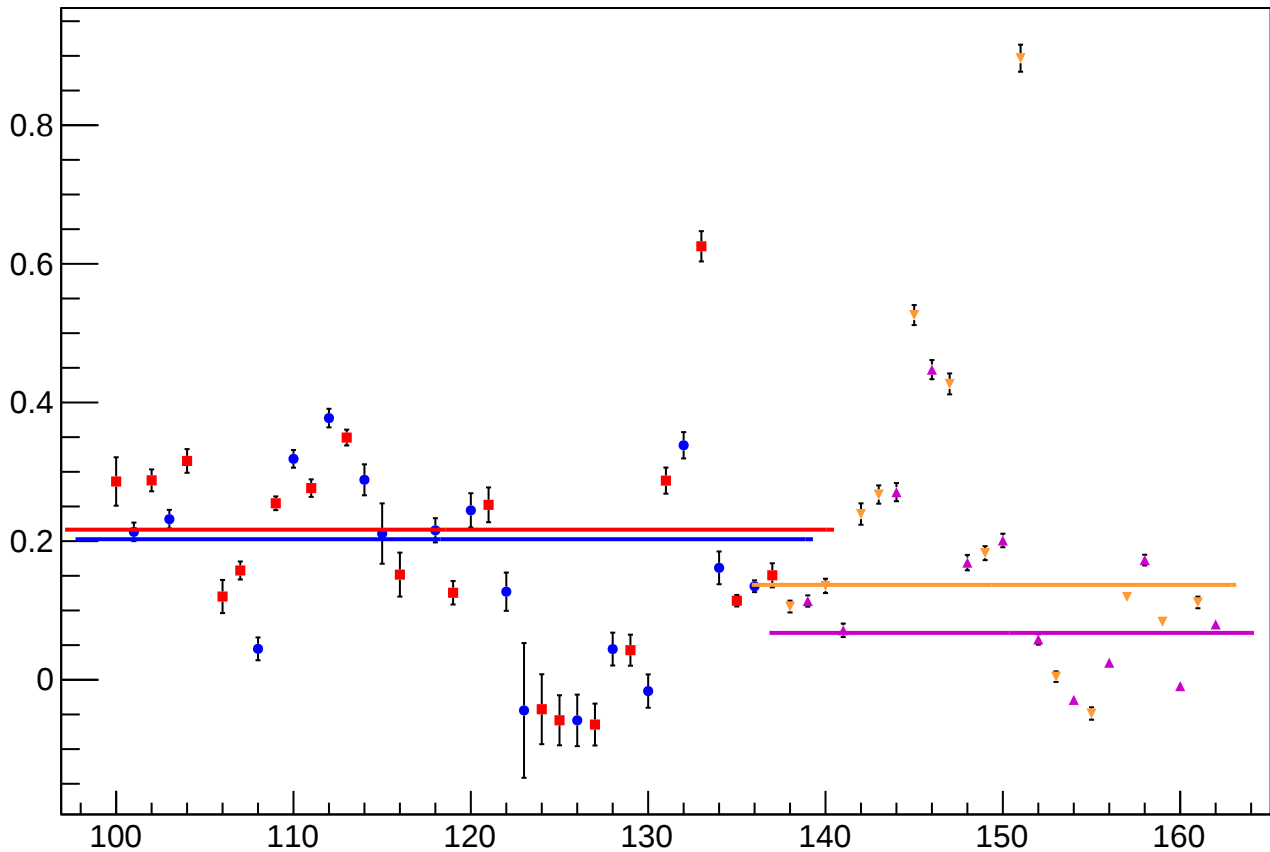
Left In: -2.384+/-0.048 χ^2/NDF : 1665.8/11

+ sign -2.278+/-0.046 χ^2/NDF : 3663.8/29

All: -2.184+/-0.030 χ^2/NDF : 6914.4/60

- sign -2.115+/-0.039 χ^2/NDF : 3243.1/30

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 676.5/16

Left Out: 0.137 $\pm$ 0.003 χ^2 /NDF:3578.7/12

Right Out: 0.217 $\pm$ 0.004 χ^2 /NDF: 1064.4/18

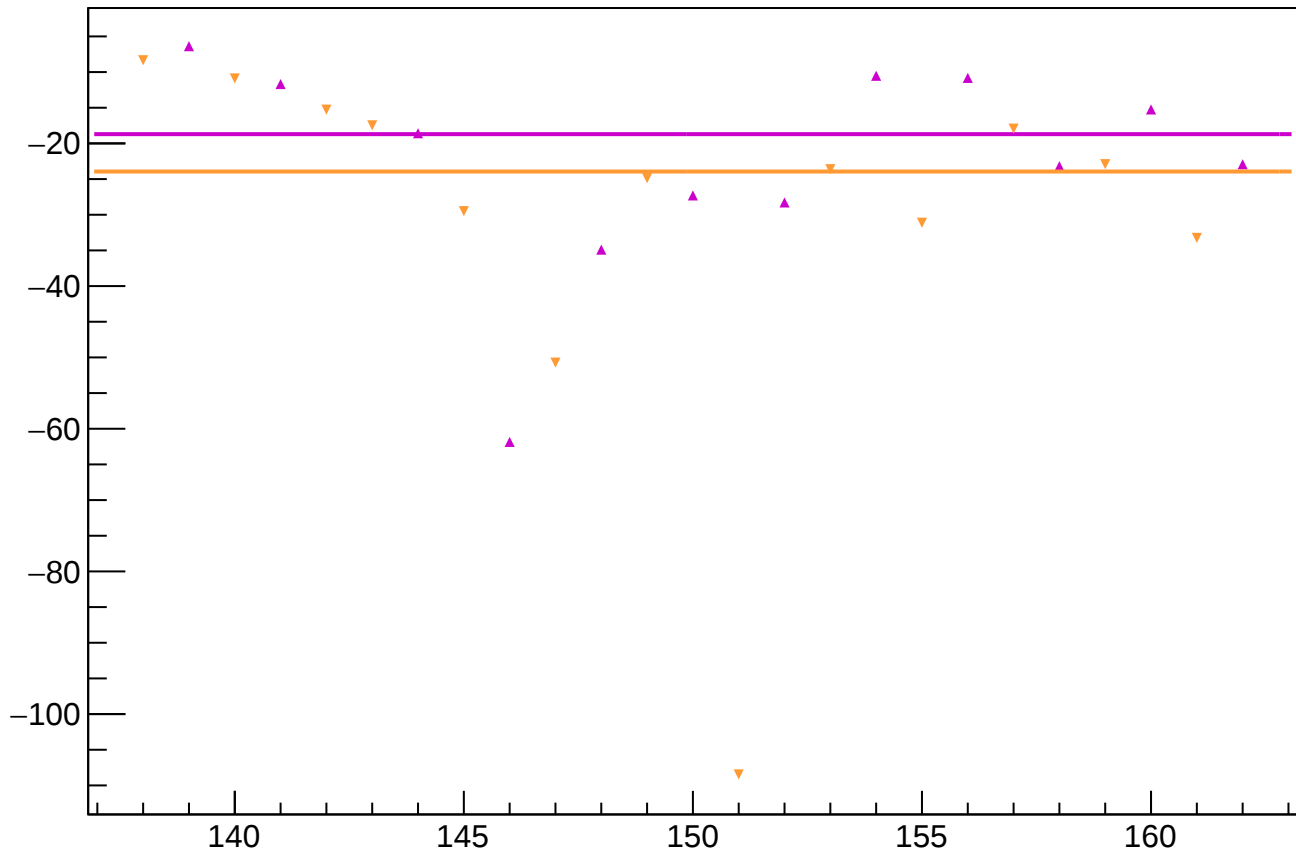
Left In: 0.068 $\pm$ 0.002 χ^2 /NDF:2114.4/11

+ sign 0.156 $\pm$ 0.002 χ^2 /NDF: 4433.0/29

All: 0.125 $\pm$ 0.001 χ^2 /NDF: 9151.3/60

- sign 0.104 $\pm$ 0.002 χ^2 /NDF: 4399.8/30

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -23.942+/-0.072 χ^2/NDF : 52015.4/12

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

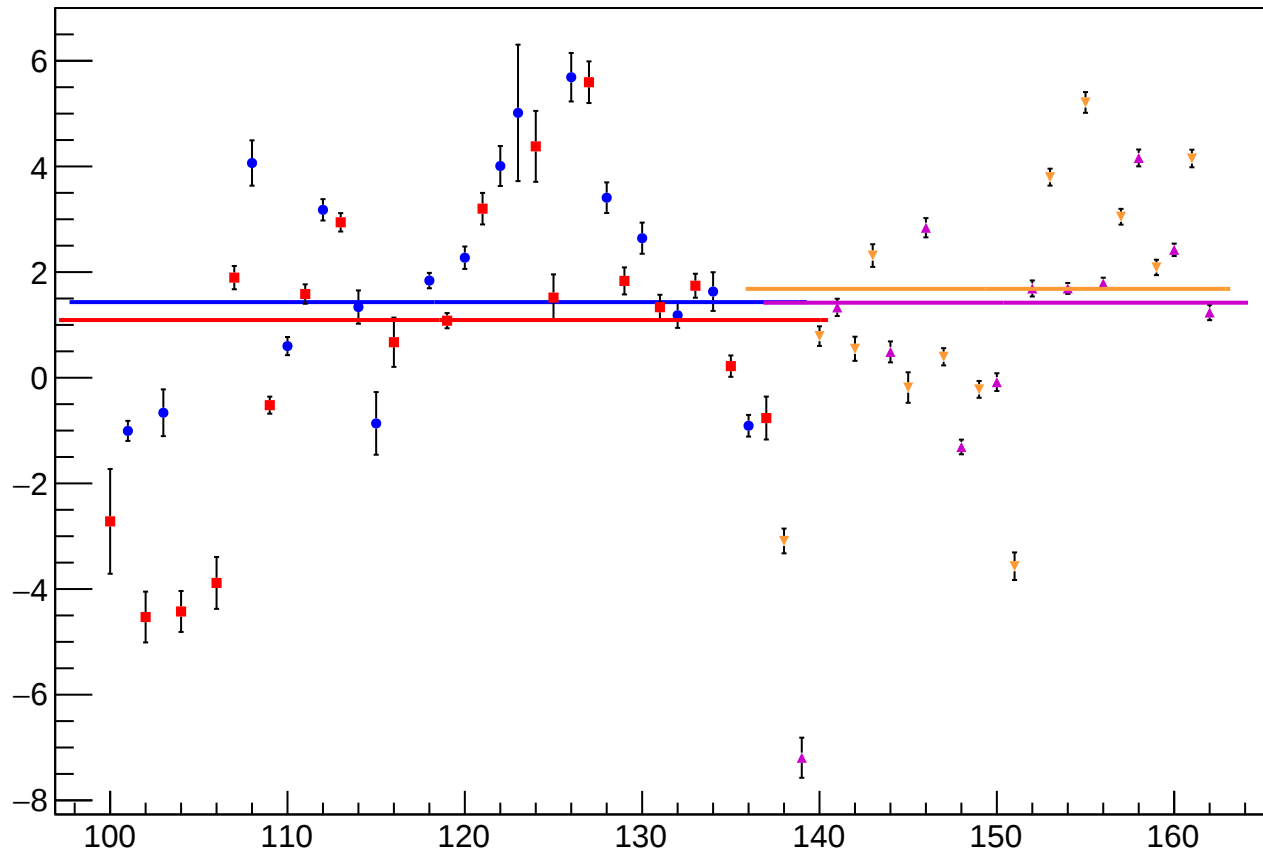
Left In: -18.701+/-0.060 χ^2/NDF : 36604.9/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.856+/-0.046 χ^2/NDF : 91765.9/24

- 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 $\chi^2/\text{NDF}: 696.6/16$

Left Out: 1.683 ± 0.051 $\chi^2/\text{NDF}: 1931.6/12$

Right Out: 1.092 ± 0.058 $\chi^2/\text{NDF}: 953.2/18$

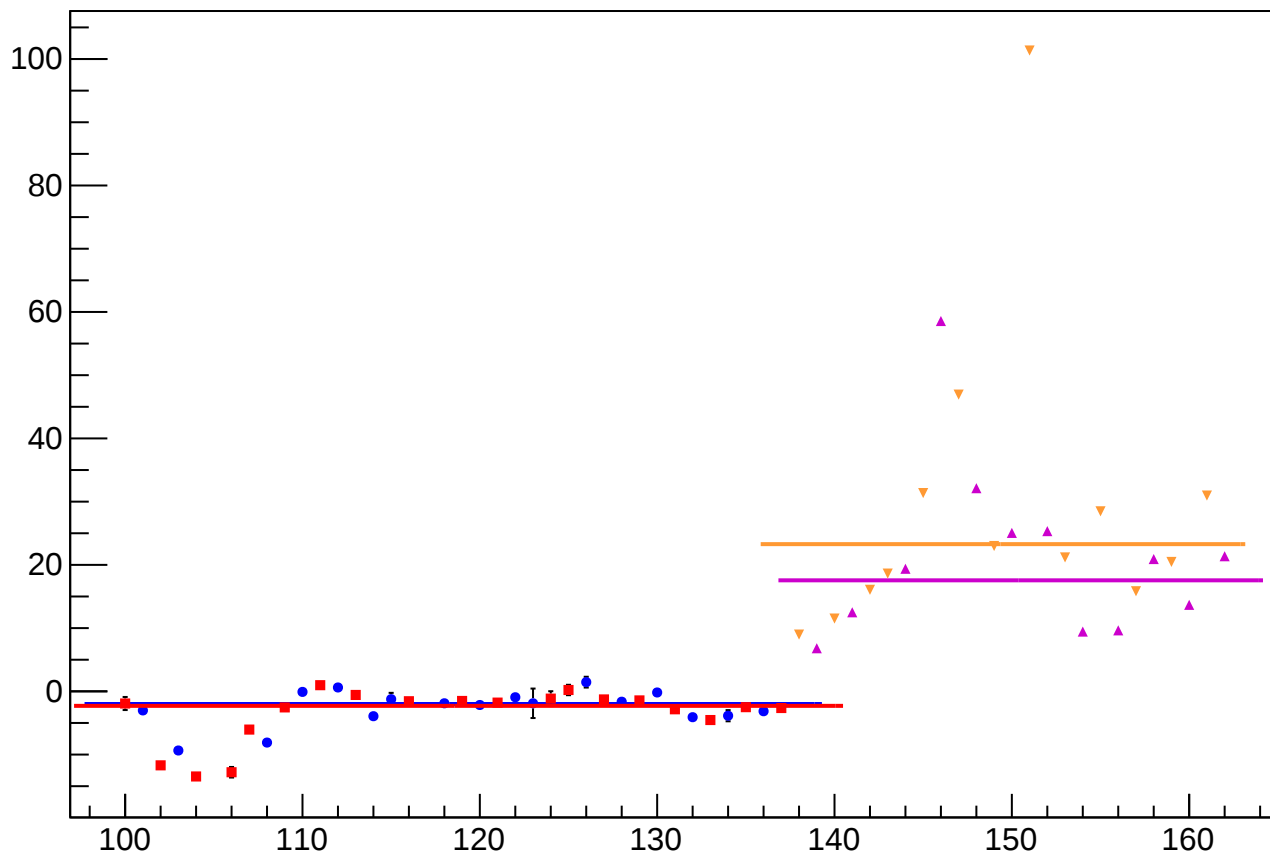
Left In: 1.421 ± 0.042 $\chi^2/\text{NDF}: 1455.3/11$

+ sign 1.581 ± 0.039 $\chi^2/\text{NDF}: 2638.0/29$

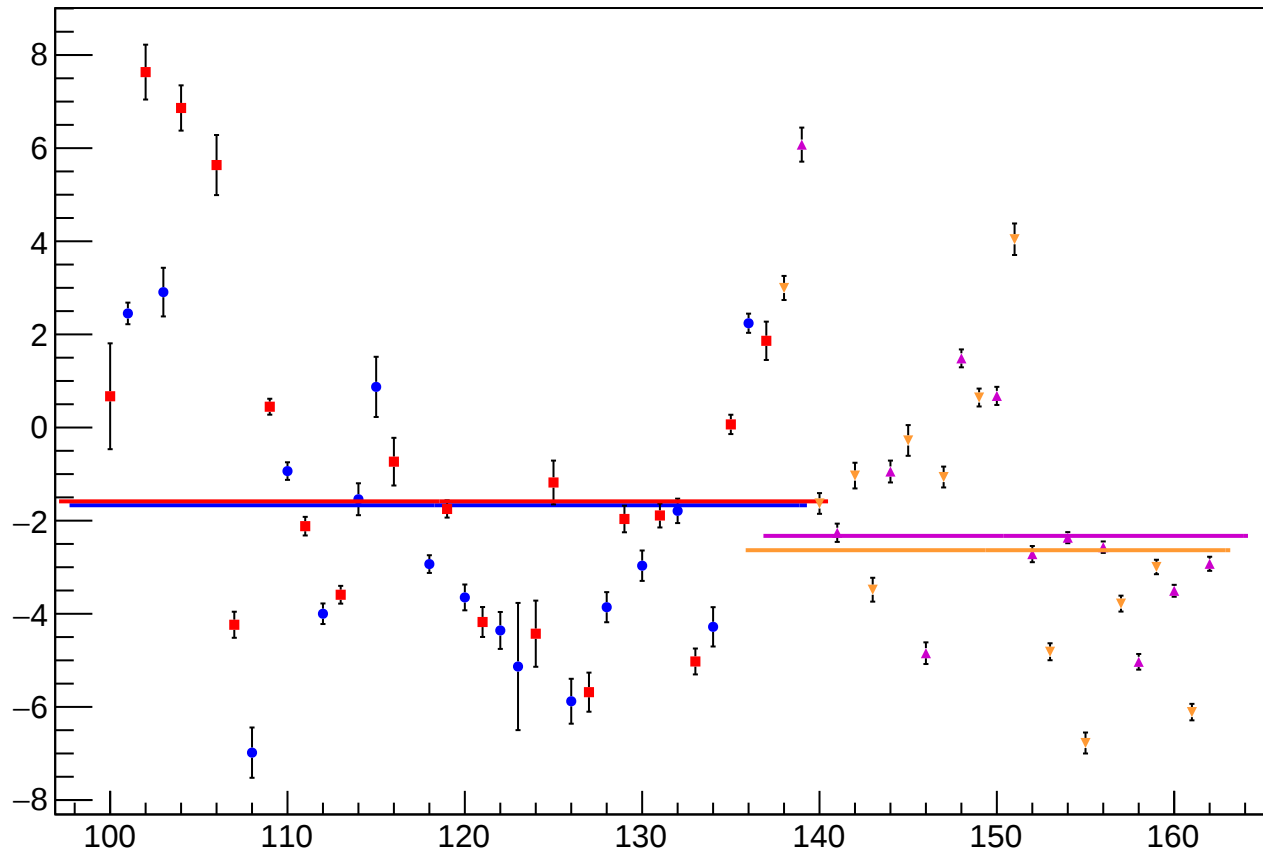
All: 1.424 ± 0.026 $\chi^2/\text{NDF}: 5095.2/60$

- sign 1.308 ± 0.034 $\chi^2/\text{NDF}: 2429.5/30$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 $\pm$ 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.635 $\pm$ 0.059 χ^2/NDF : 2237.7/12

Right Out: -1.585 $\pm$ 0.065 χ^2/NDF : 1494.7/18

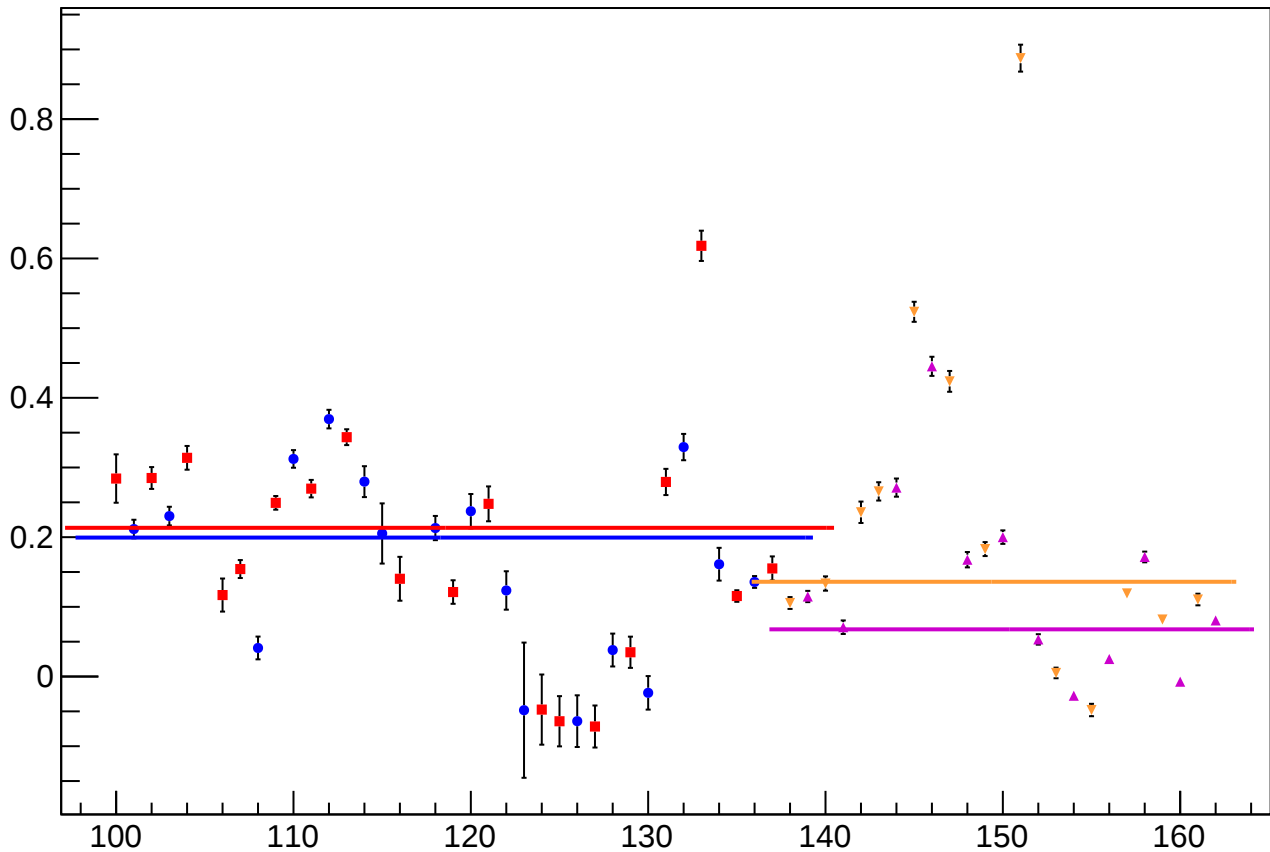
Left In: -2.327 $\pm$ 0.048 χ^2/NDF : 1680.1/11

+ sign -2.238 $\pm$ 0.045 χ^2/NDF : 3662.2/29

All: -2.139 $\pm$ 0.029 χ^2/NDF : 6928.8/60

- sign -2.067 $\pm$ 0.039 χ^2/NDF : 3258.4/30

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 $\pm$ 0.004 χ^2 /NDF: 662.1/16

Left Out: 0.136 $\pm$ 0.003 χ^2 /NDF: 3572.4/12

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1048.2/18

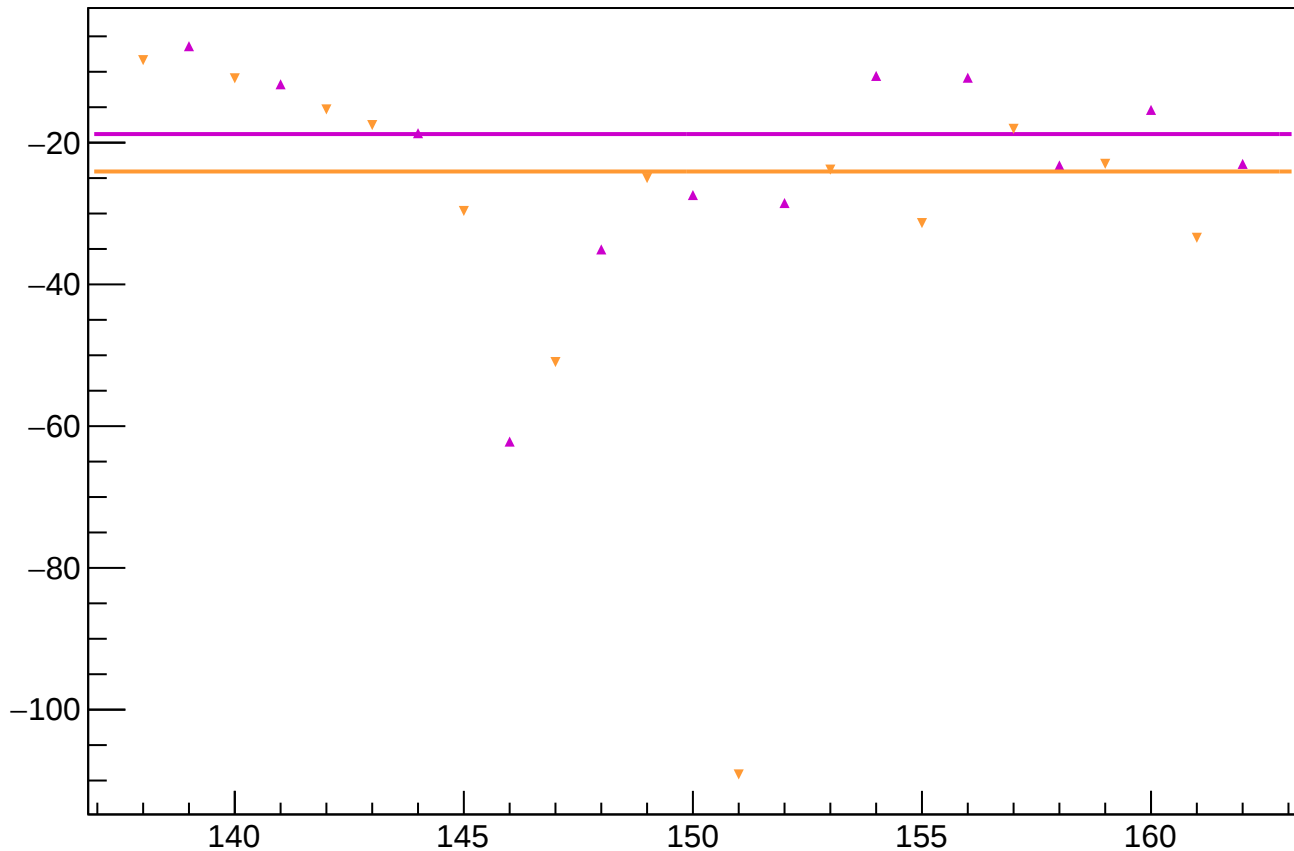
Left In: 0.068 $\pm$ 0.002 χ^2 /NDF: 2108.9/11

+ sign 0.154 $\pm$ 0.002 χ^2 /NDF: 4401.5/29

All: 0.124 $\pm$ 0.001 χ^2 /NDF: 9050.6/60

- sign 0.104 $\pm$ 0.002 χ^2 /NDF: 4338.2/30

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -24.069+/-0.072 χ^2/NDF : 52136.0/12

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

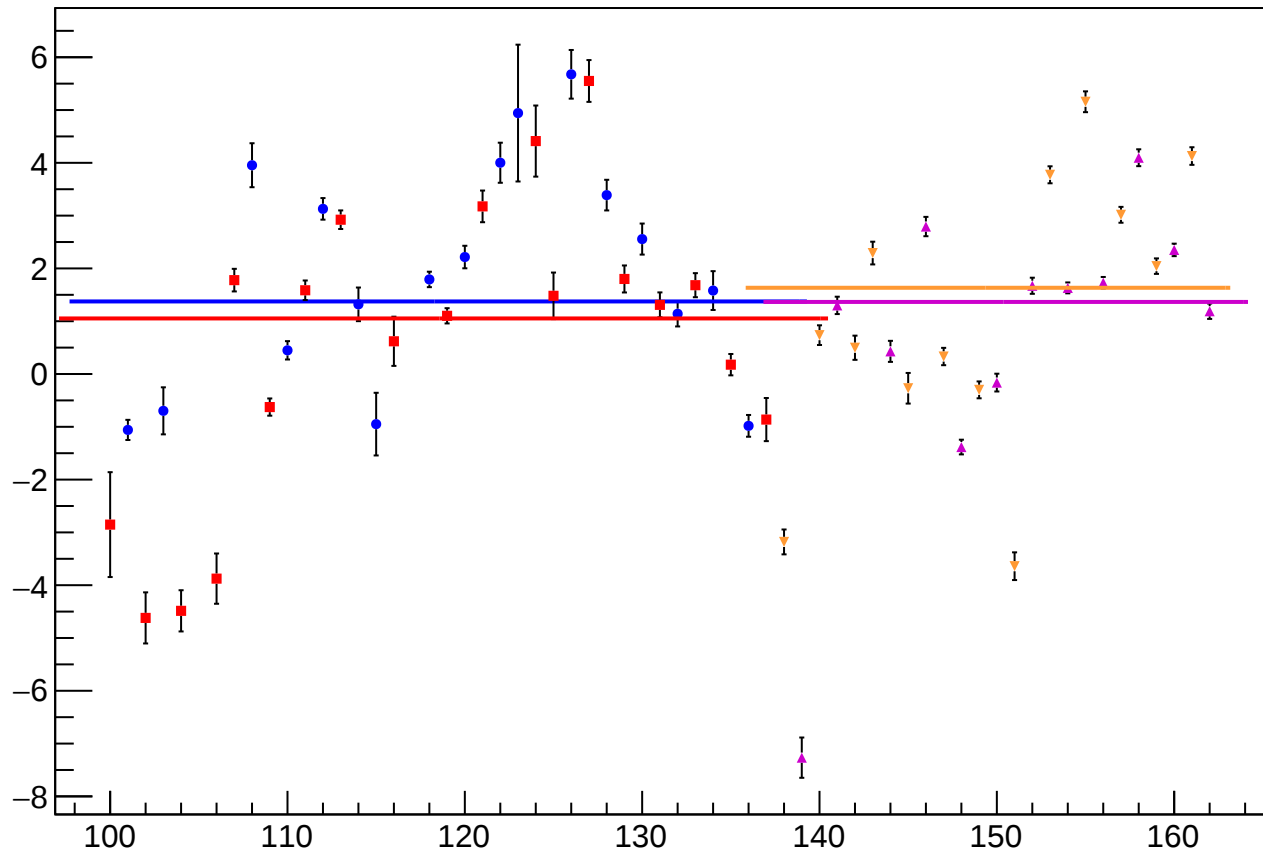
Left In: -18.790+/-0.060 χ^2/NDF : 36671.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.958+/-0.046 χ^2/NDF : 91973.3/24

- 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: 1.633 ± 0.051 χ^2/NDF : 1943.5/12

Right Out: 1.052 ± 0.058 χ^2/NDF : 964.0/18

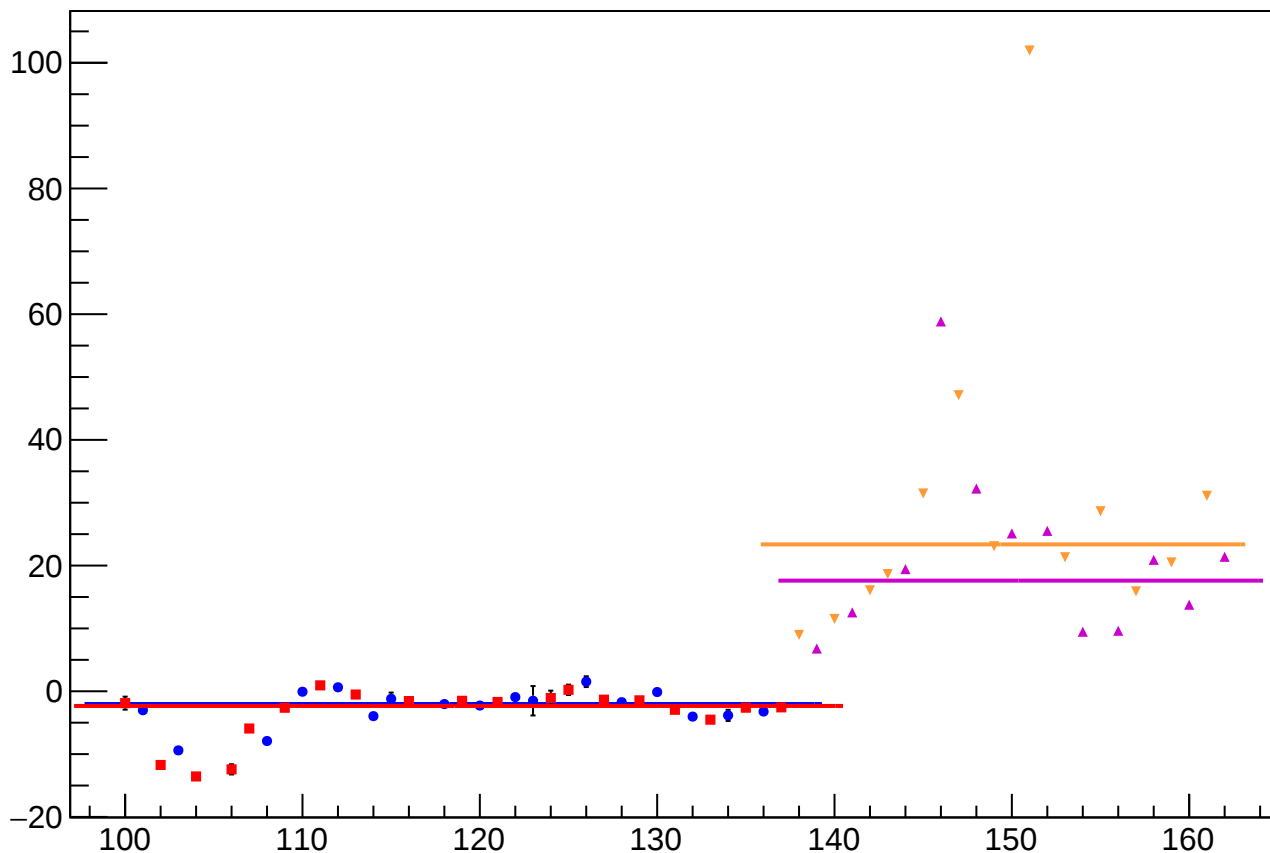
Left In: 1.365 ± 0.042 χ^2/NDF : 1451.5/11

+ sign 1.528 ± 0.039 χ^2/NDF : 2656.3/29

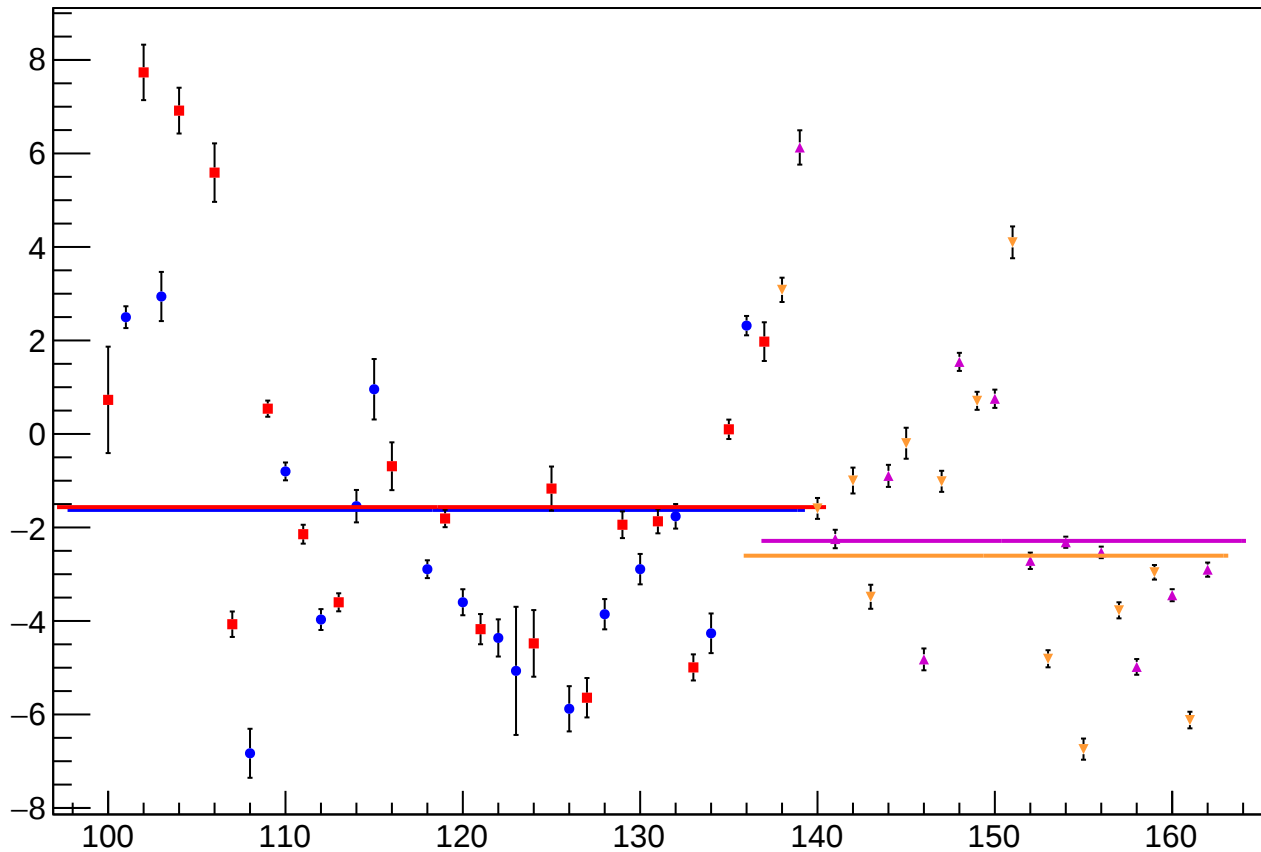
All: 1.373 ± 0.026 χ^2/NDF : 5117.8/60

- sign 1.257 ± 0.034 χ^2/NDF : 2434.6/30

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 $\pm$ 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.604 $\pm$ 0.059 χ^2/NDF : 2253.6/12

Right Out: -1.565 $\pm$ 0.066 χ^2/NDF : 1505.8/18

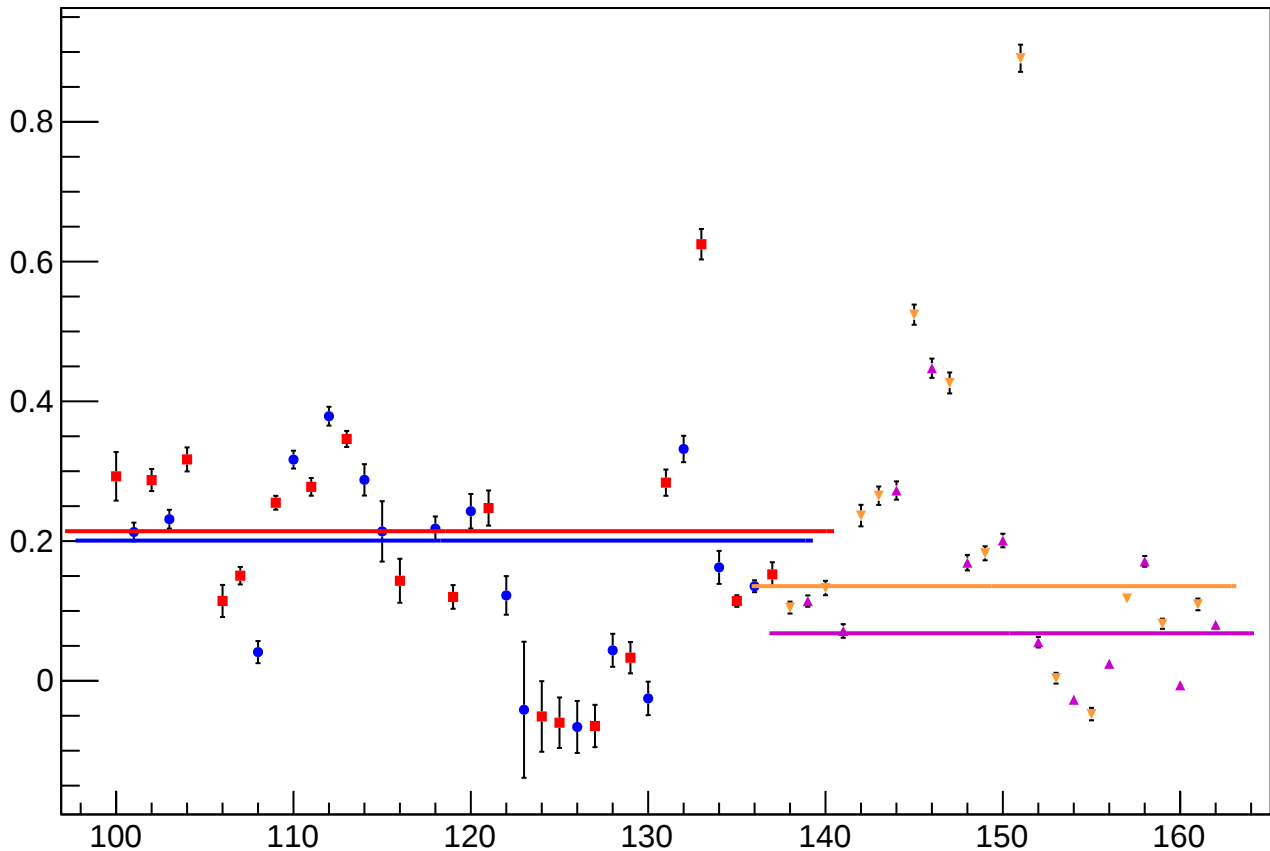
Left In: -2.287 $\pm$ 0.048 χ^2/NDF : 1677.2/11

+ sign -2.201 $\pm$ 0.046 χ^2/NDF : 3686.0/29

All: -2.104 $\pm$ 0.030 χ^2/NDF : 6955.5/60

- sign -2.034 $\pm$ 0.039 χ^2/NDF : 3261.7/30

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 690.6/16

Left Out: 0.136 $\pm$ 0.003 χ^2 /NDF:3566.3/12

Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1080.4/18

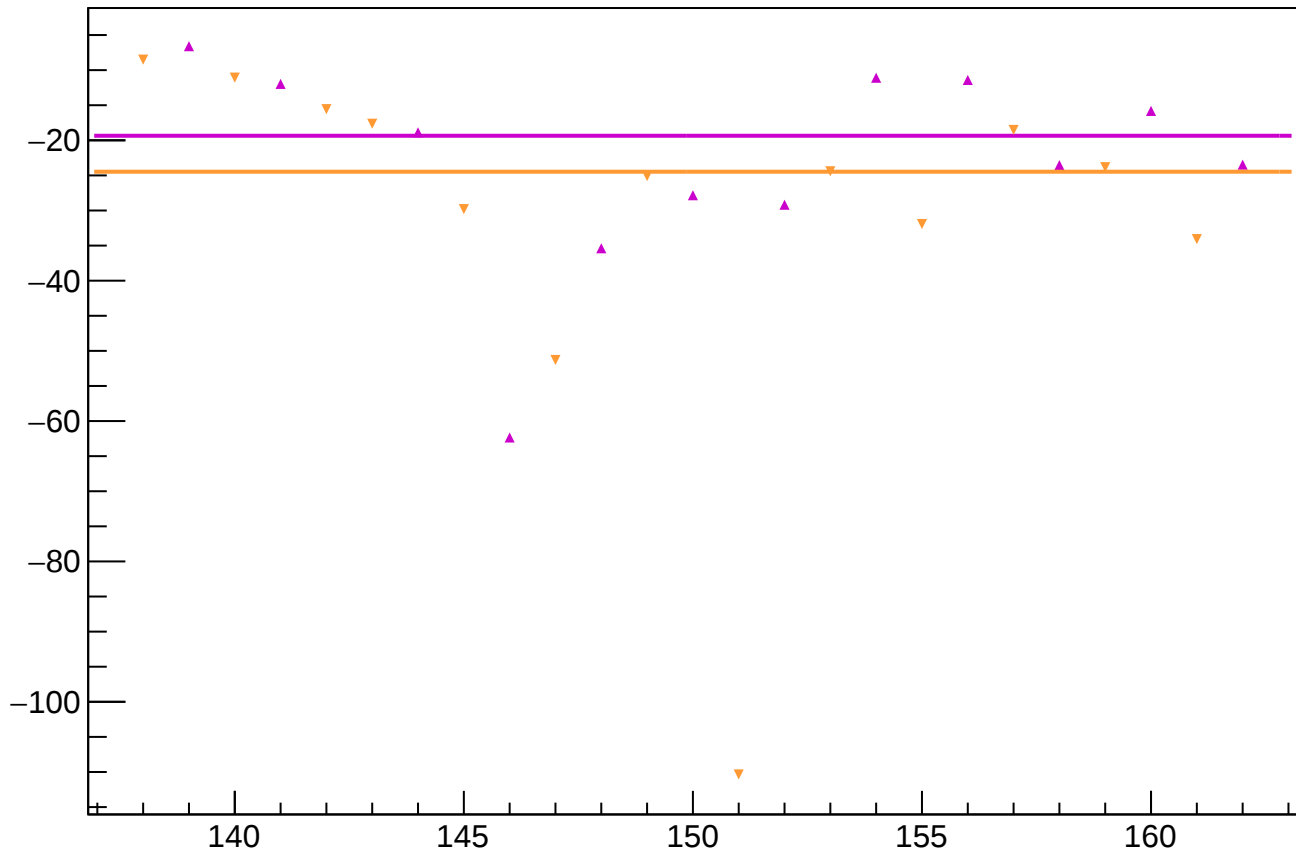
Left In: 0.068 $\pm$ 0.002 χ^2 /NDF:2099.6/11

+ sign 0.155 $\pm$ 0.002 χ^2 /NDF: 4431.9/29

All: 0.124 $\pm$ 0.001 χ^2 /NDF: 9098.0/60

- sign 0.104 $\pm$ 0.002 χ^2 /NDF: 4362.8/30

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -24.474+/-0.073 χ^2/NDF : 52015.0/12

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

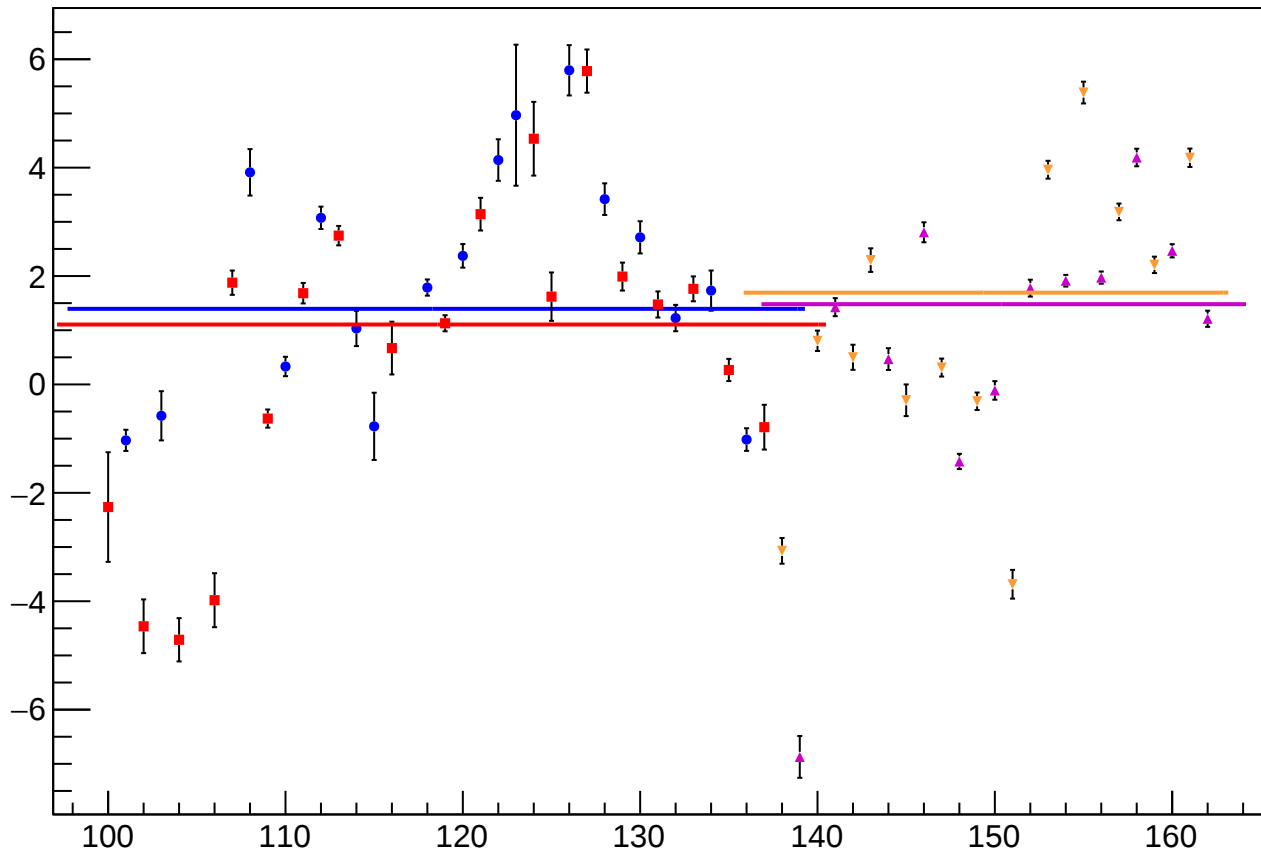
Left In: -19.350+/-0.062 χ^2/NDF : 35548.3/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.475+/-0.047 χ^2/NDF : 90430.9/24

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 ± 0.063 χ^2/NDF : 701.4/16

Left Out: 1.694 ± 0.052 χ^2/NDF : 1987.3/12

Right Out: 1.106 ± 0.059 χ^2/NDF : 937.0/18

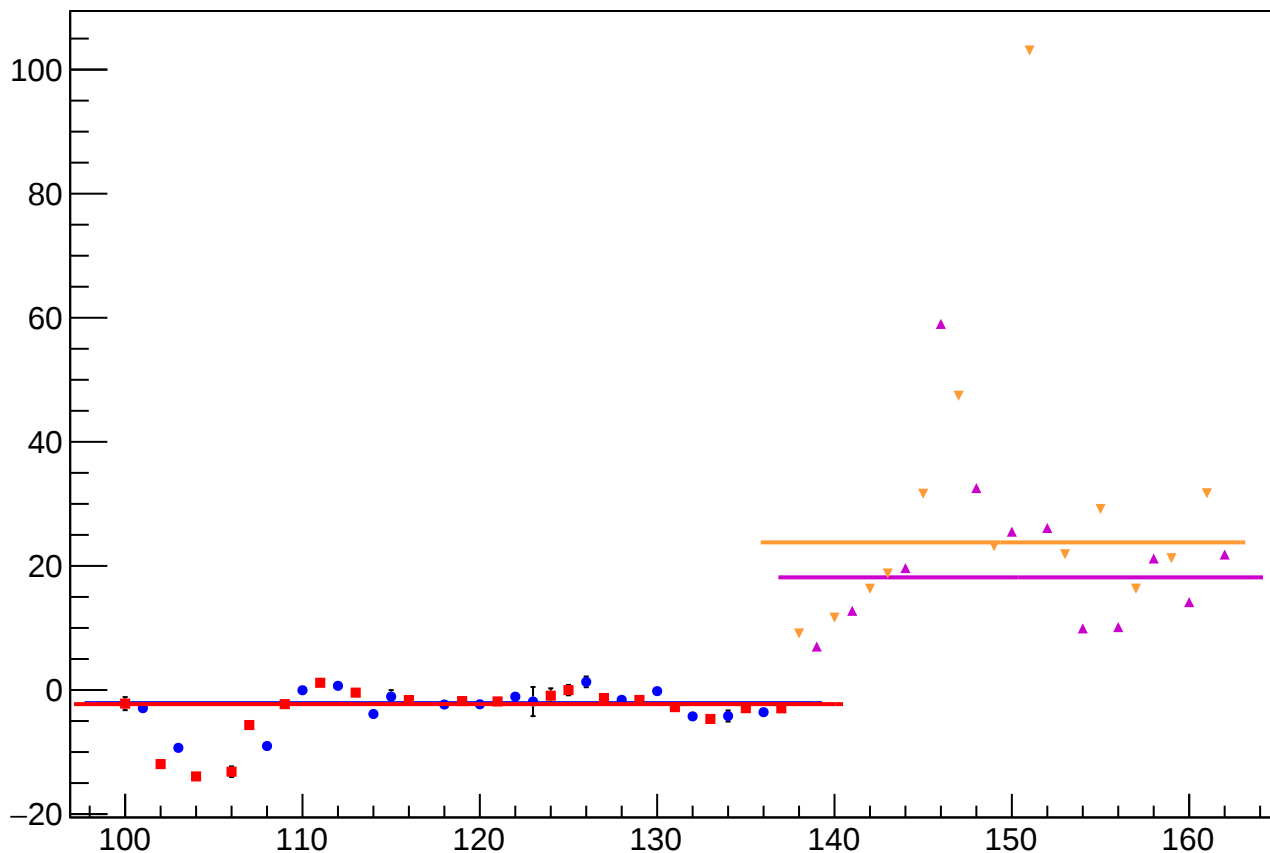
Left In: 1.481 ± 0.043 χ^2/NDF : 1444.8/11

+ sign 1.573 ± 0.040 χ^2/NDF : 2702.1/29

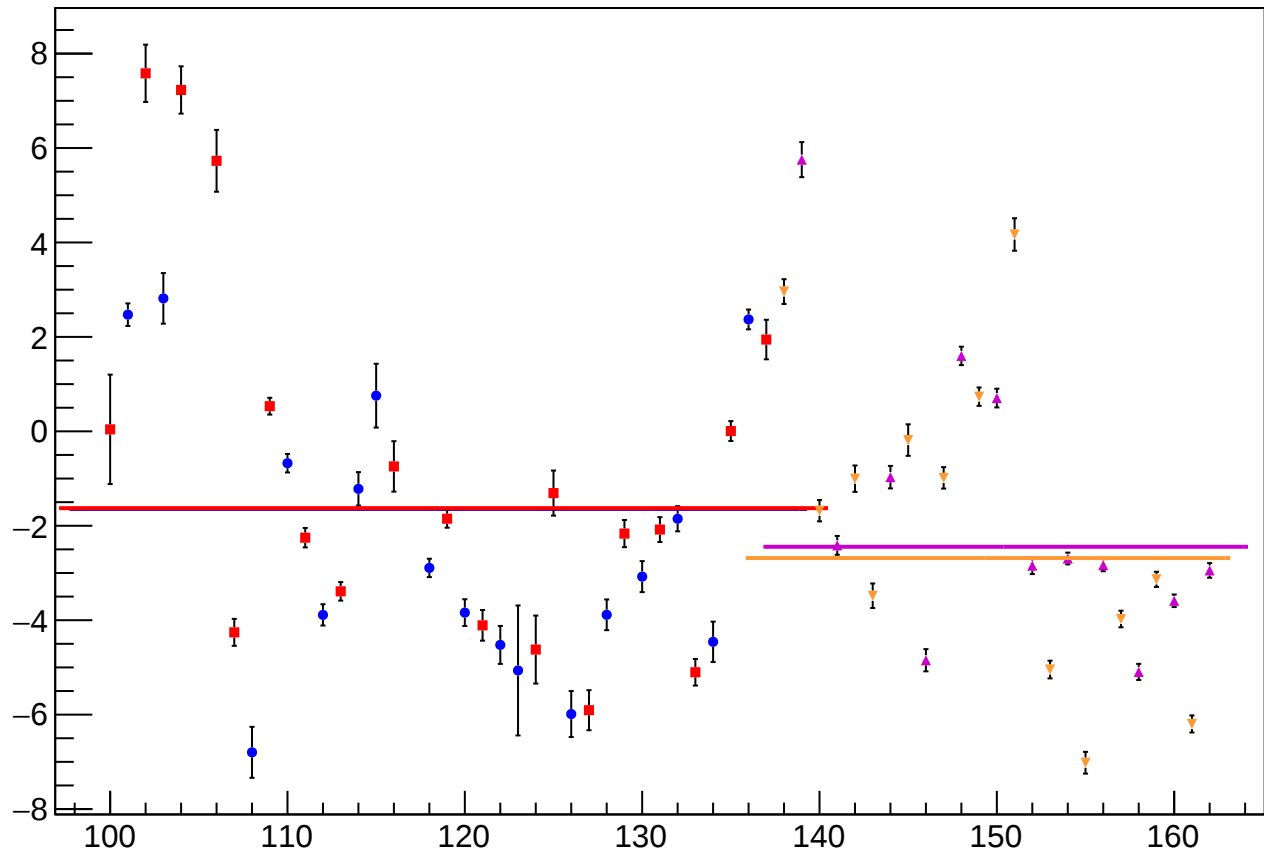
All: 1.446 ± 0.026 χ^2/NDF : 5127.4/60

- sign 1.351 ± 0.035 χ^2/NDF : 2407.9/30

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



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: -2.684 $\pm$ 0.060 χ^2/NDF : 2297.5/12

Right Out: -1.627 $\pm$ 0.067 χ^2/NDF : 1468.1/18

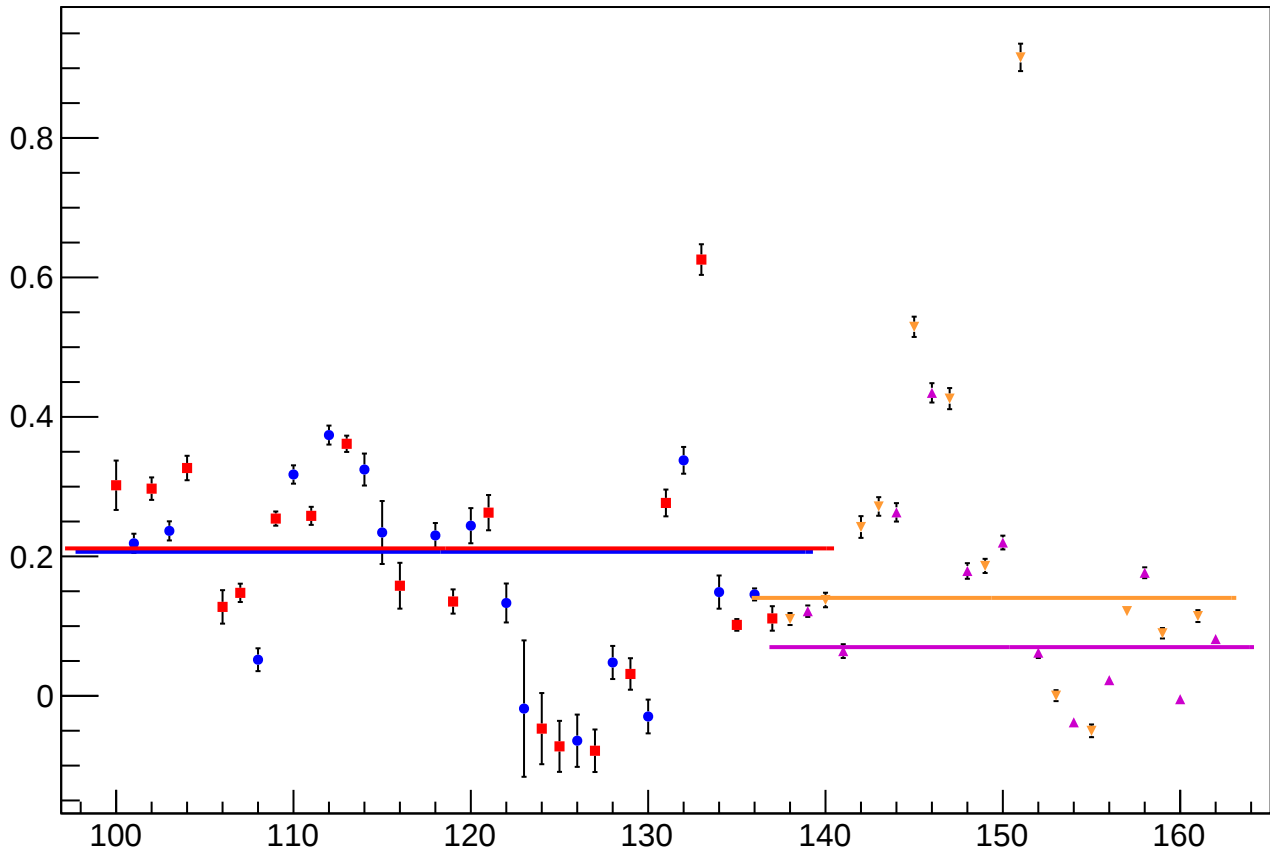
Left In: -2.445 $\pm$ 0.049 χ^2/NDF : 1656.4/11

+ sign -2.256 $\pm$ 0.046 χ^2/NDF : 3729.4/29

All: -2.199 $\pm$ 0.030 χ^2/NDF : 6953.1/60

- sign -2.156 $\pm$ 0.040 χ^2/NDF : 3221.1/30

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: 0.140 $\pm$ 0.003 χ^2 /NDF:3613.4/12

Right Out: 0.211 $\pm$ 0.004 χ^2 /NDF: 1145.6/18

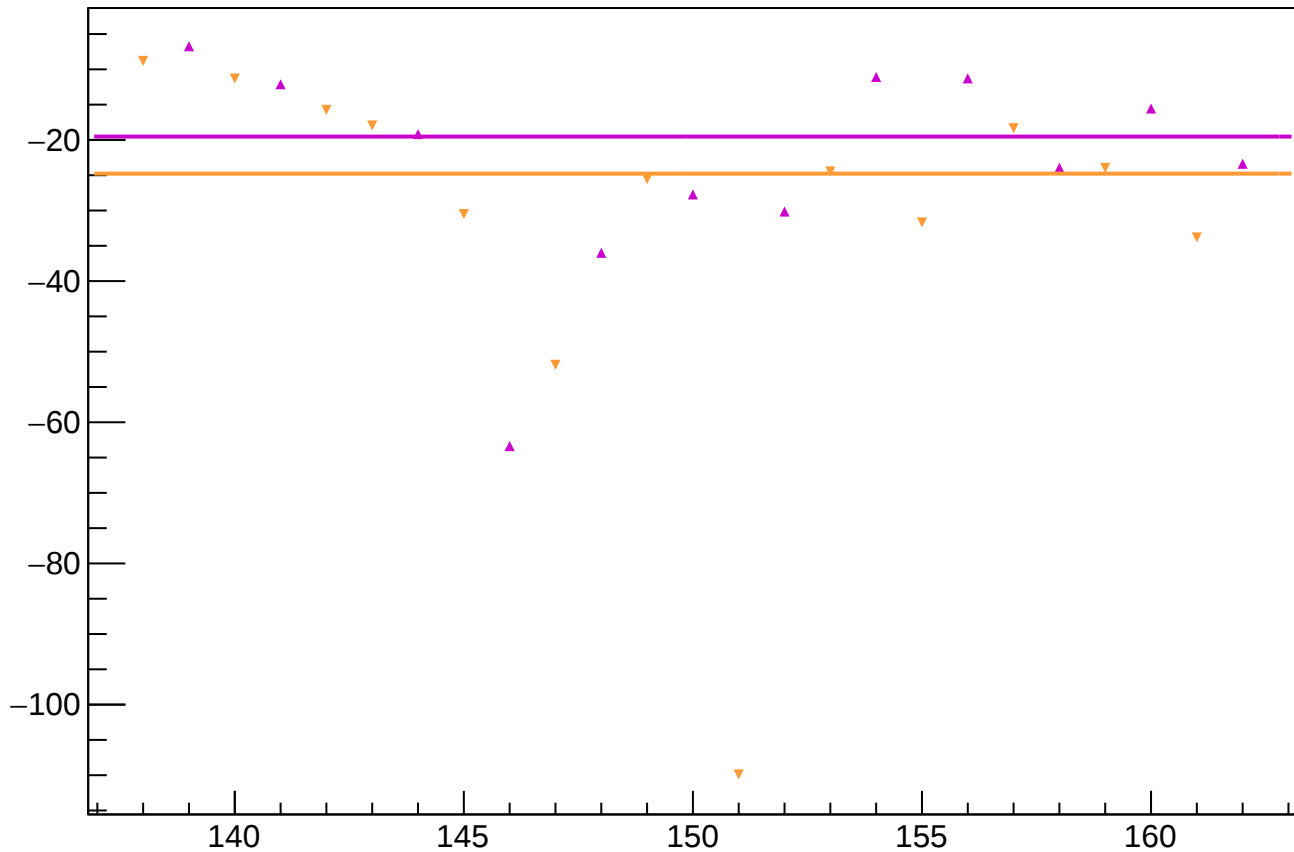
Left In: 0.070 $\pm$ 0.002 χ^2 /NDF:2139.7/11

+ sign 0.160 $\pm$ 0.002 χ^2 /NDF: 4442.1/29

All: 0.127 $\pm$ 0.001 χ^2 /NDF: 9130.1/60

- sign 0.105 $\pm$ 0.002 χ^2 /NDF: 4347.0/30

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -24.775+/-0.074 χ^2/NDF : 51106.4/12

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

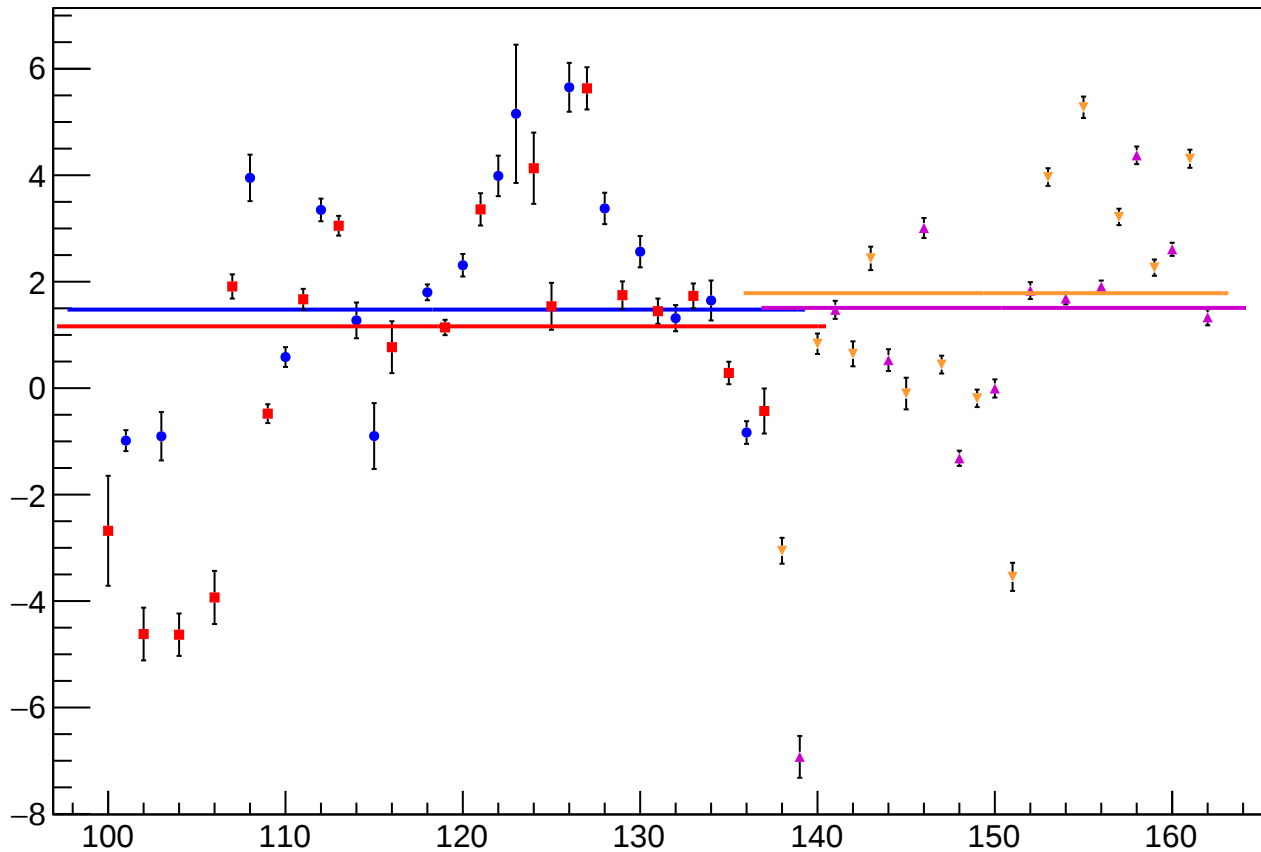
Left In: -19.526+/-0.063 χ^2/NDF : 35895.7/11

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -21.711+/-0.048 χ^2/NDF : 89930.2/24

- 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: 1.784 $\pm$ 0.053 χ^2/NDF :1897.7/12

Right Out: 1.161 $\pm$ 0.060 χ^2/NDF : 917.9/18

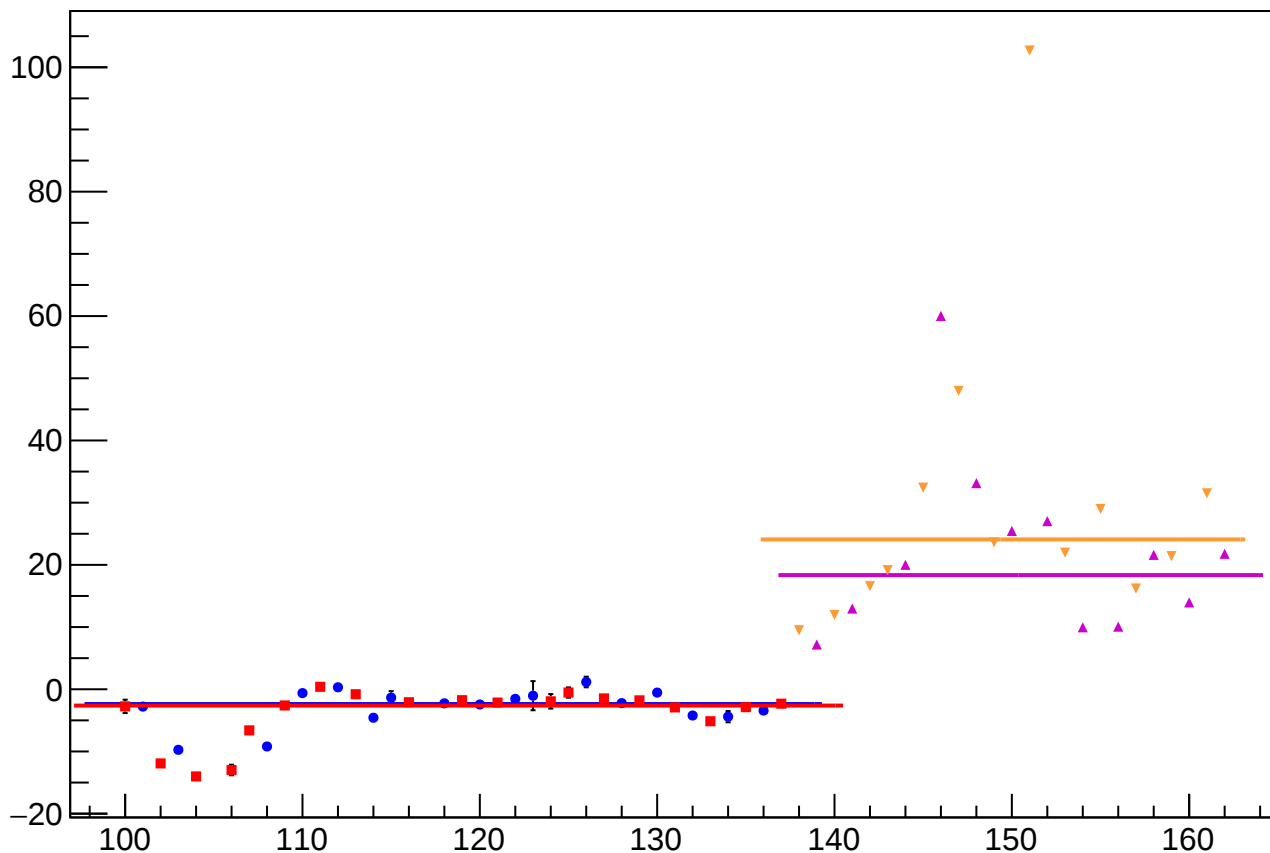
Left In: 1.508 $\pm$ 0.044 χ^2/NDF :1413.3/11

+ sign 1.659 $\pm$ 0.041 χ^2/NDF : 2571.2/29

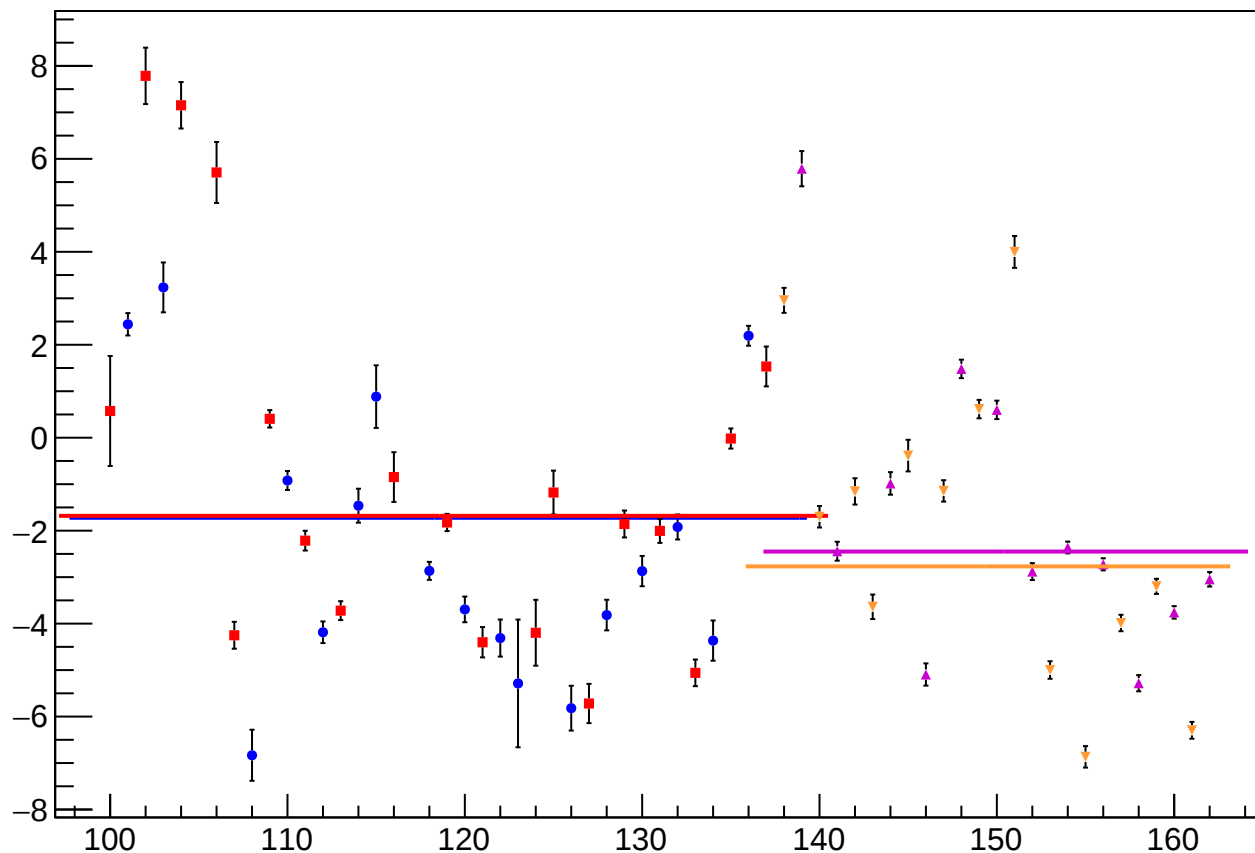
All: 1.505 $\pm$ 0.027 χ^2/NDF : 4949.7/60

- sign 1.387 $\pm$ 0.035 χ^2/NDF : 2353.0/30

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722 $\pm$ 0.073 χ^2/NDF : 1247.6/16

Left Out: -2.769 $\pm$ 0.061 χ^2/NDF : 2187.1/12

Right Out: -1.681 $\pm$ 0.068 χ^2/NDF : 1431.0/18

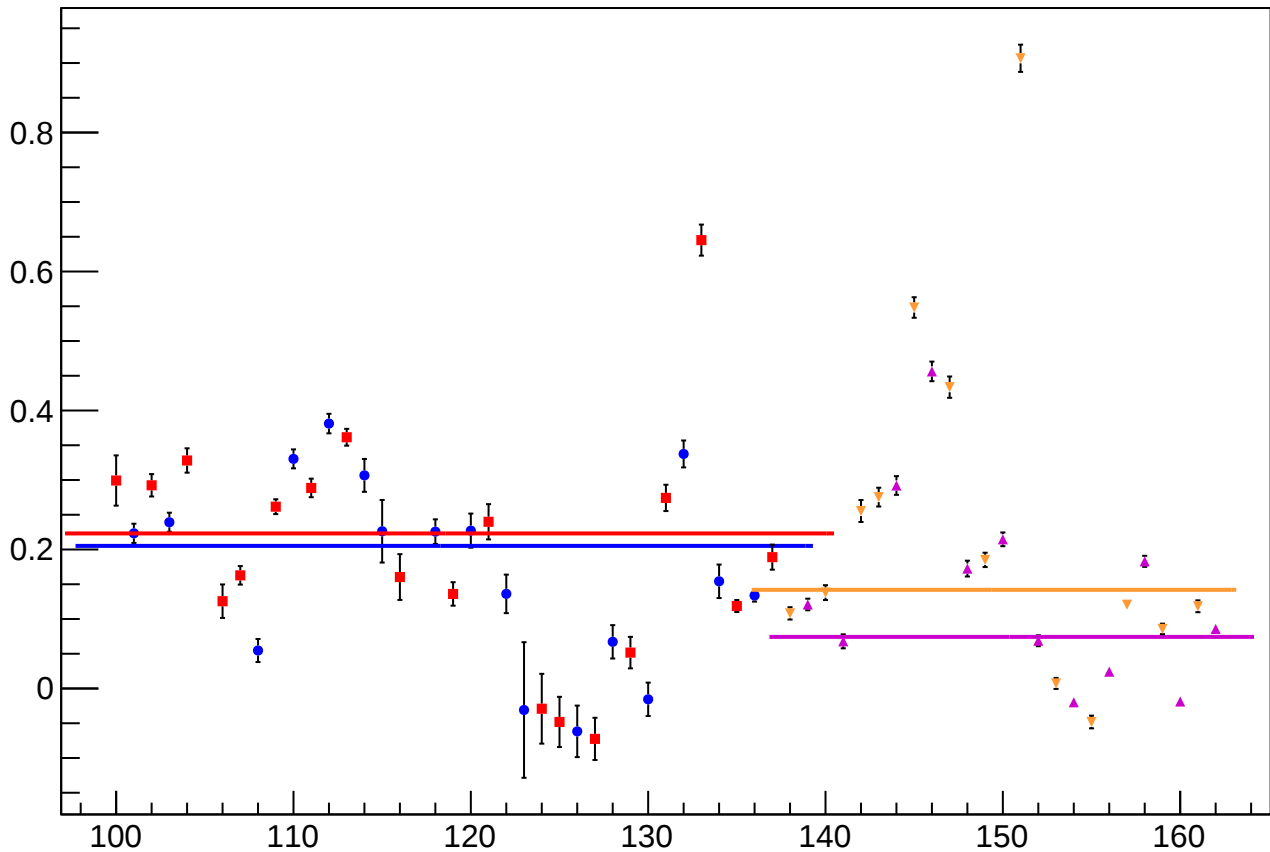
Left In: -2.449 $\pm$ 0.050 χ^2/NDF : 1643.4/11

+ sign -2.339 $\pm$ 0.047 χ^2/NDF : 3555.4/29

All: -2.247 $\pm$ 0.031 χ^2/NDF : 6719.3/60

- sign -2.178 $\pm$ 0.040 χ^2/NDF : 3157.2/30

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.004 χ^2/NDF : 650.7/16

Left Out: 0.142 $\pm$ 0.003 χ^2/NDF : 3618.0/12

Right Out: 0.223 $\pm$ 0.004 χ^2/NDF : 1040.5/18

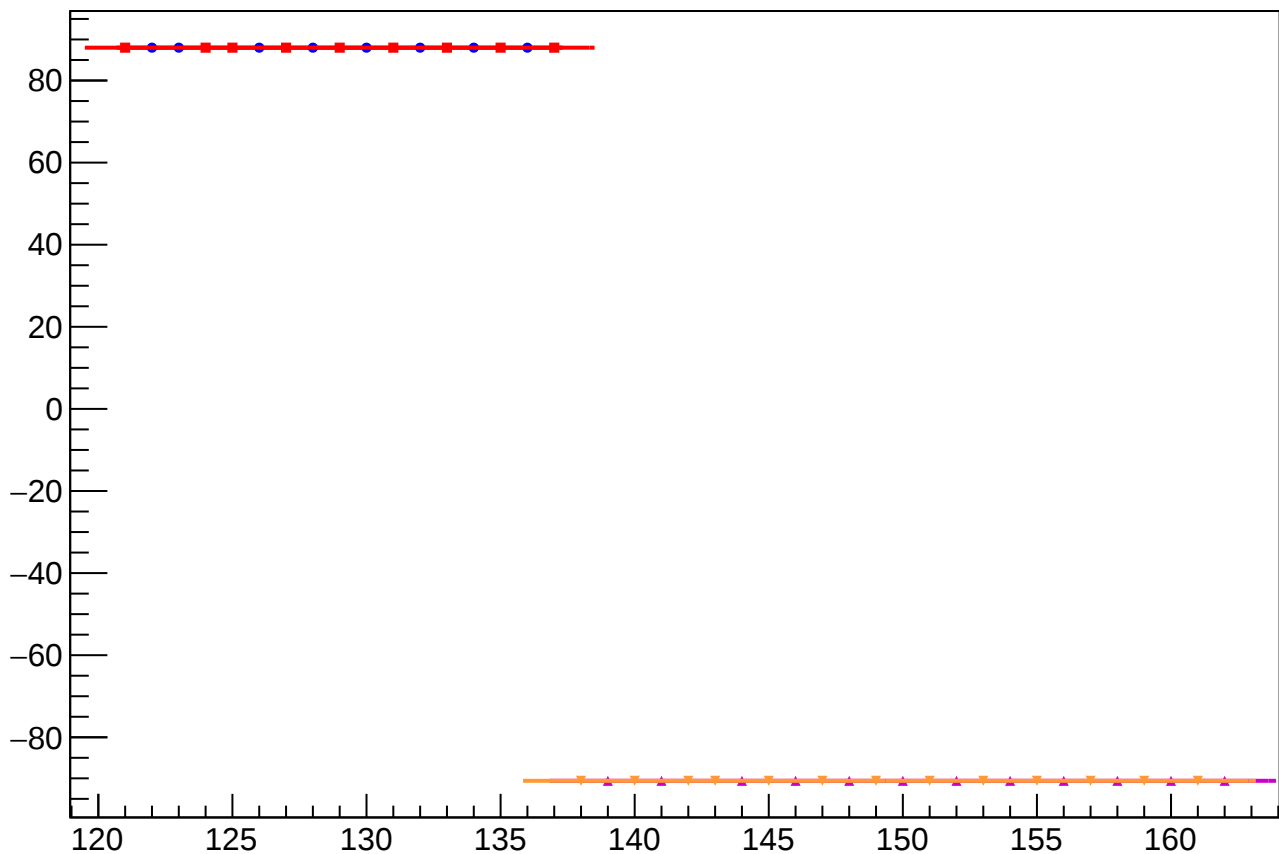
Left In: 0.074 $\pm$ 0.002 χ^2/NDF : 2134.2/11

+ sign 0.160 $\pm$ 0.002 χ^2/NDF : 4423.6/29

All: 0.131 $\pm$ 0.001 χ^2/NDF : 8998.3/60

- sign 0.111 $\pm$ 0.002 χ^2/NDF : 4304.7/30

VWienAngle_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 3872360.4/12

Right Out: 88.001 $\pm$ 0.000 χ^2 /NDF: 109456.0/8

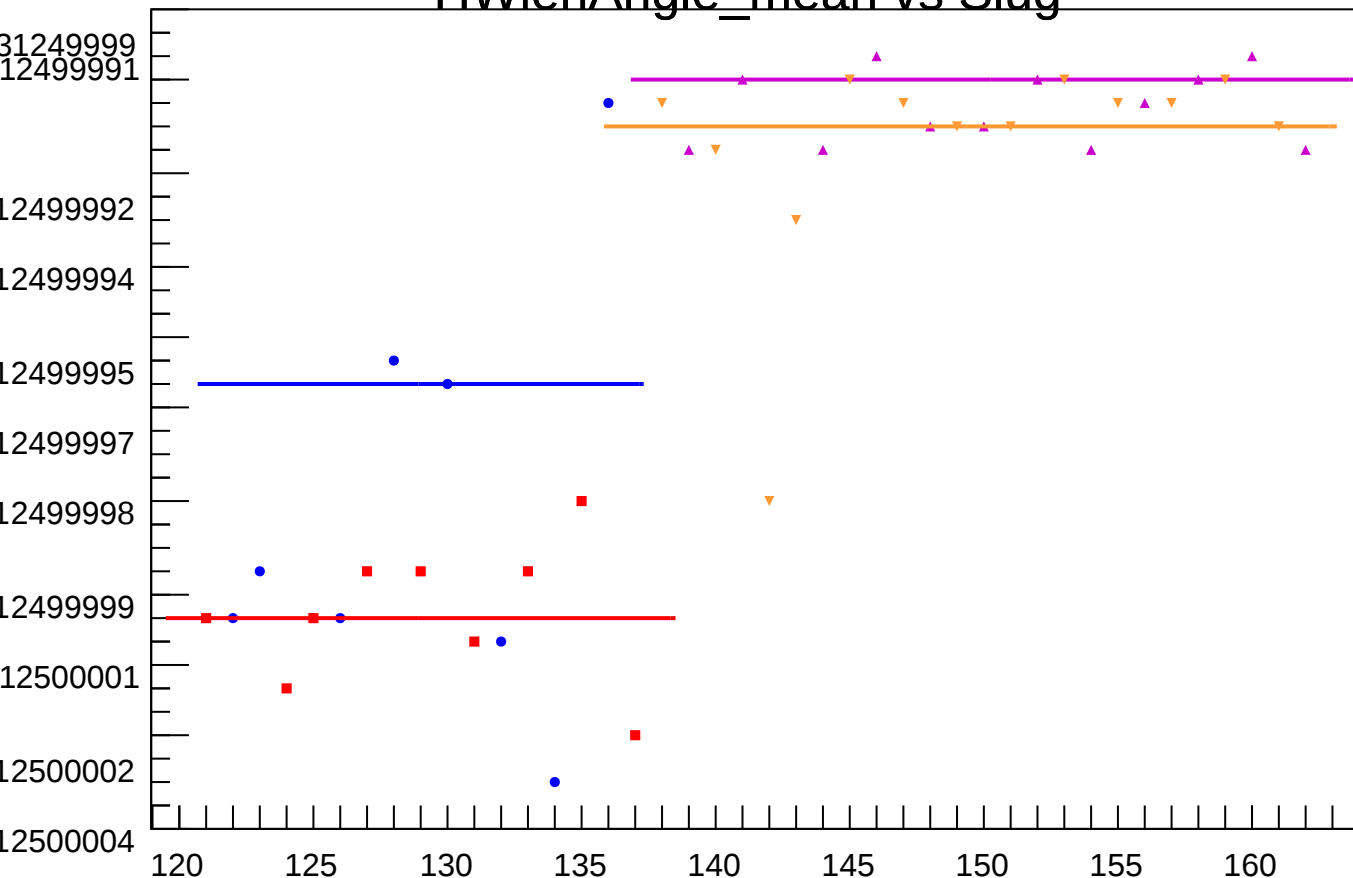
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 953398.4/11

+ sign -45.354 $\pm$ 0.000 χ^2 /NDF: 814546306559999

All: -46.434 $\pm$ 0.000 χ^2 /NDF: 158706014735

- sign -47.536 $\pm$ 0.000 χ^2 /NDF: 7721958455752065

HWienAngle_mean vs Slug



Right In: -29.641 ± 0.000 $\chi^2/\text{NDF}: 405045.4/7$

Left Out: -29.641 ± 0.000 $\chi^2/\text{NDF}: 179948.6/12$

Right Out: -29.641 ± 0.000 $\chi^2/\text{NDF}: 29358.2/8$

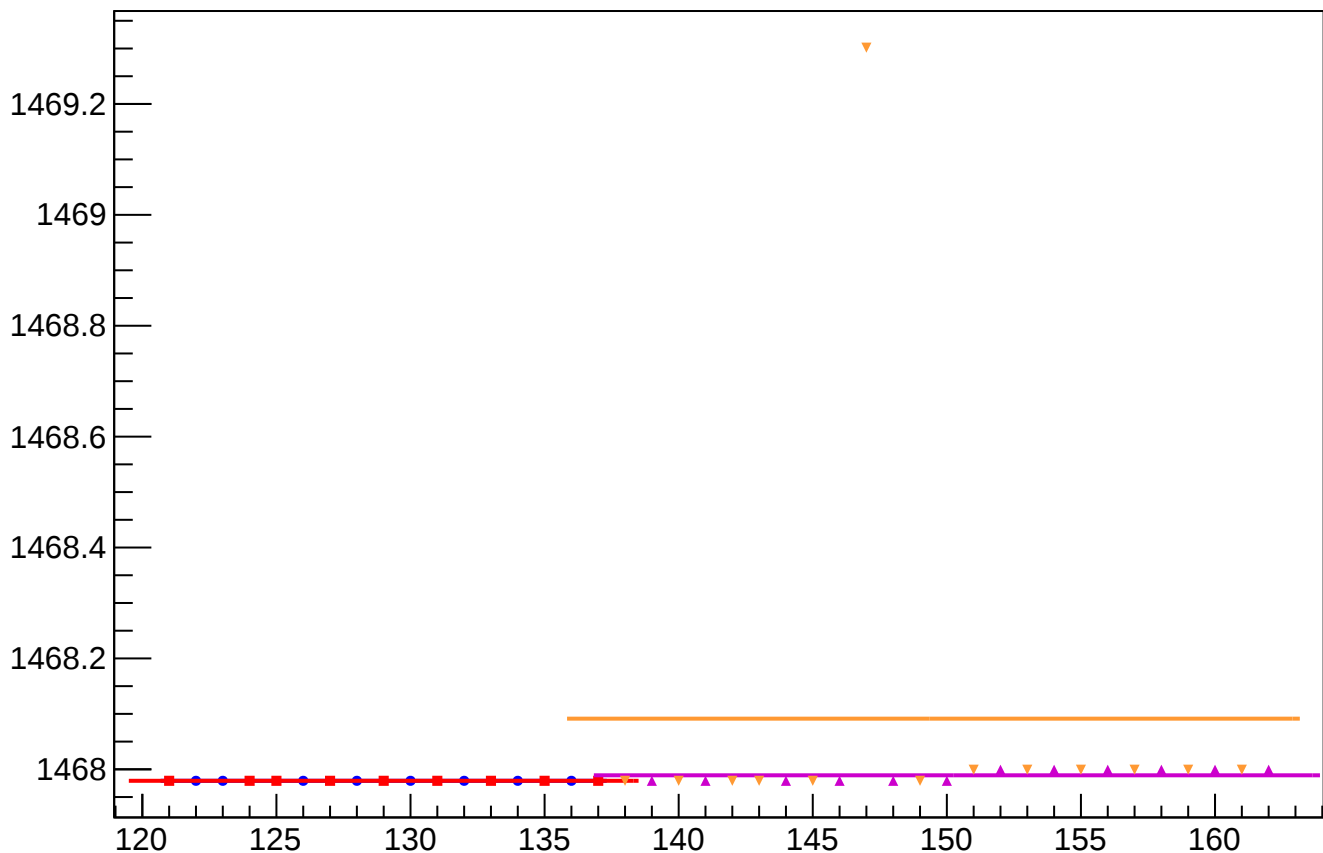
Left In: -29.641 ± 0.000 $\chi^2/\text{NDF}: 48972.5/11$

+ sign -29.641 ± 0.000 $\chi^2/\text{NDF}: 1106651.9/20$

All: -29.641 ± 0.000 $\chi^2/\text{NDF}: 2442982.3/41$

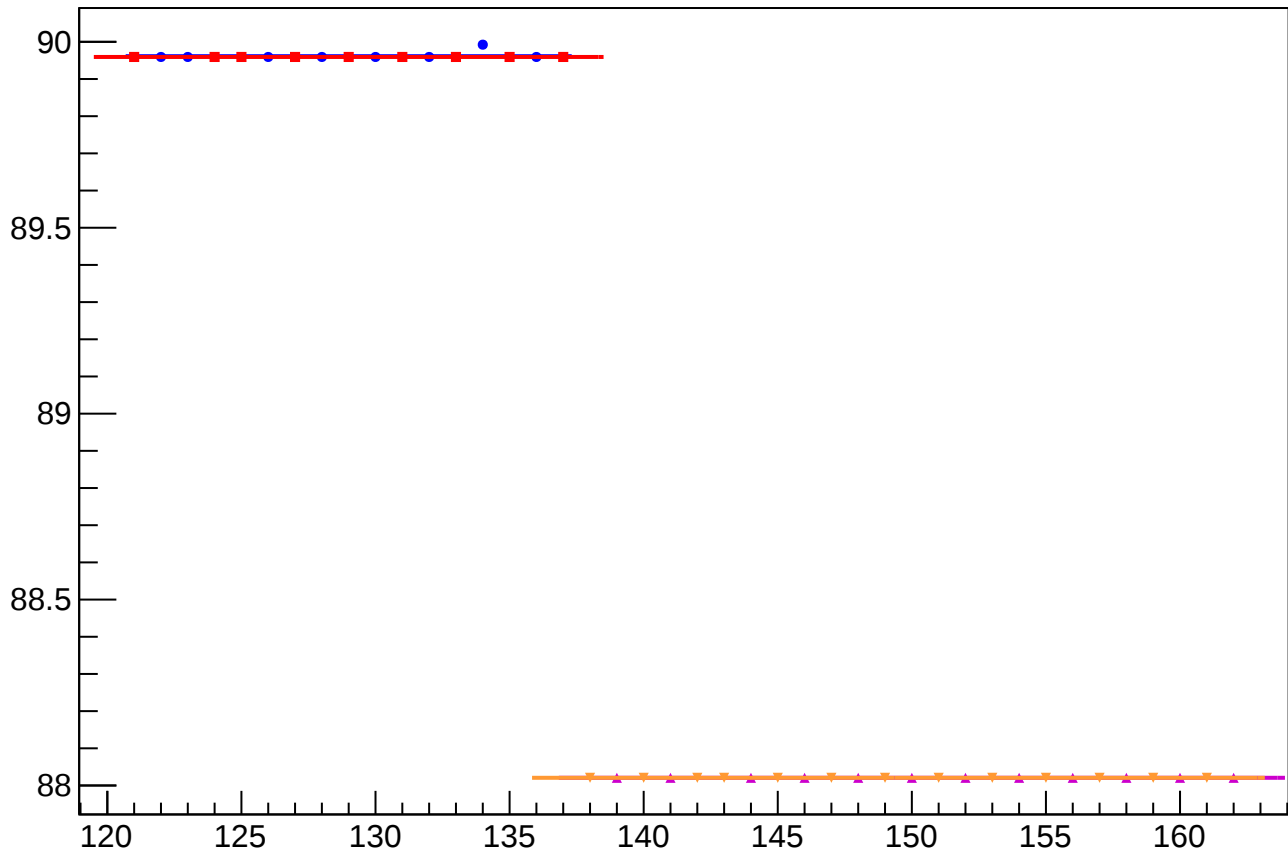
- sign -29.641 ± 0.000 $\chi^2/\text{NDF}: 1674417.2/20$

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7
 Left Out: 1468.091+/-0.000 χ^2/NDF : 123899422189392755615913331392512.0/12
 Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8
 Left In: 1467.989+/-0.000 χ^2/NDF : 100393625470610309764849074176.0/11
 + sign 1468.063+/-0.000 χ^2/NDF : 12710702723812
 All: 1468.025+/-0.000 χ^2/NDF : 13110645570
 - sign 1467.987+/-0.000 χ^2/NDF : 12421768703088

Phi_FG_mean vs Slug



Right In: 89.961 ± 0.000 $\chi^2/NDF: 21528640598708602874349223936.0/7$

Left Out: 88.021 ± 0.000 $\chi^2/NDF: 3134642.9/12$

Right Out: 89.959 ± 0.000 $\chi^2/NDF: 331397.3/8$

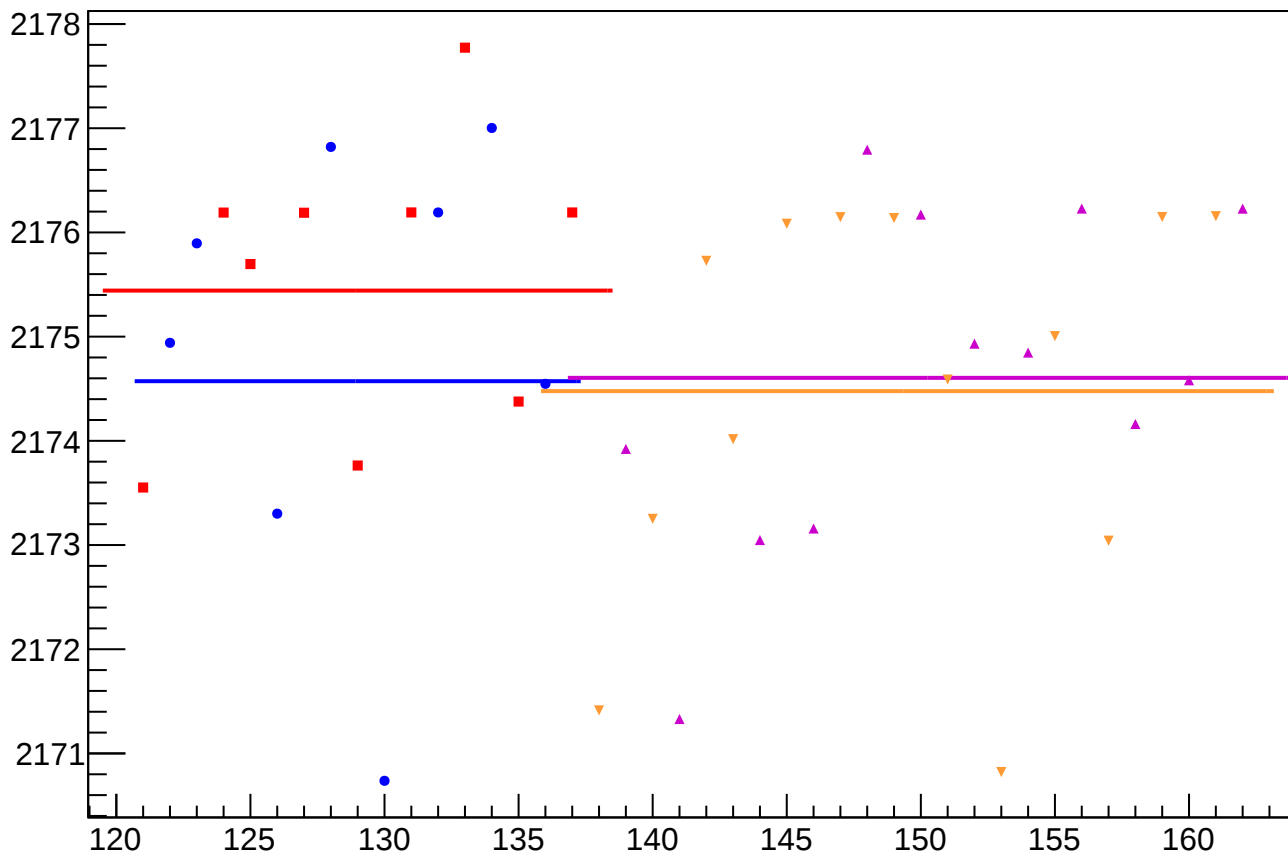
Left In: 88.021 ± 0.000 $\chi^2/NDF: 936636.6/11$

+ sign 88.512 ± 0.000 $\chi^2/NDF: 9617118680886051$

All: 88.500 ± 0.000 $\chi^2/NDF: 1871886702331$

- sign 88.488 ± 0.000 $\chi^2/NDF: 9097837347191520$

HALLA_p_mean vs Slug



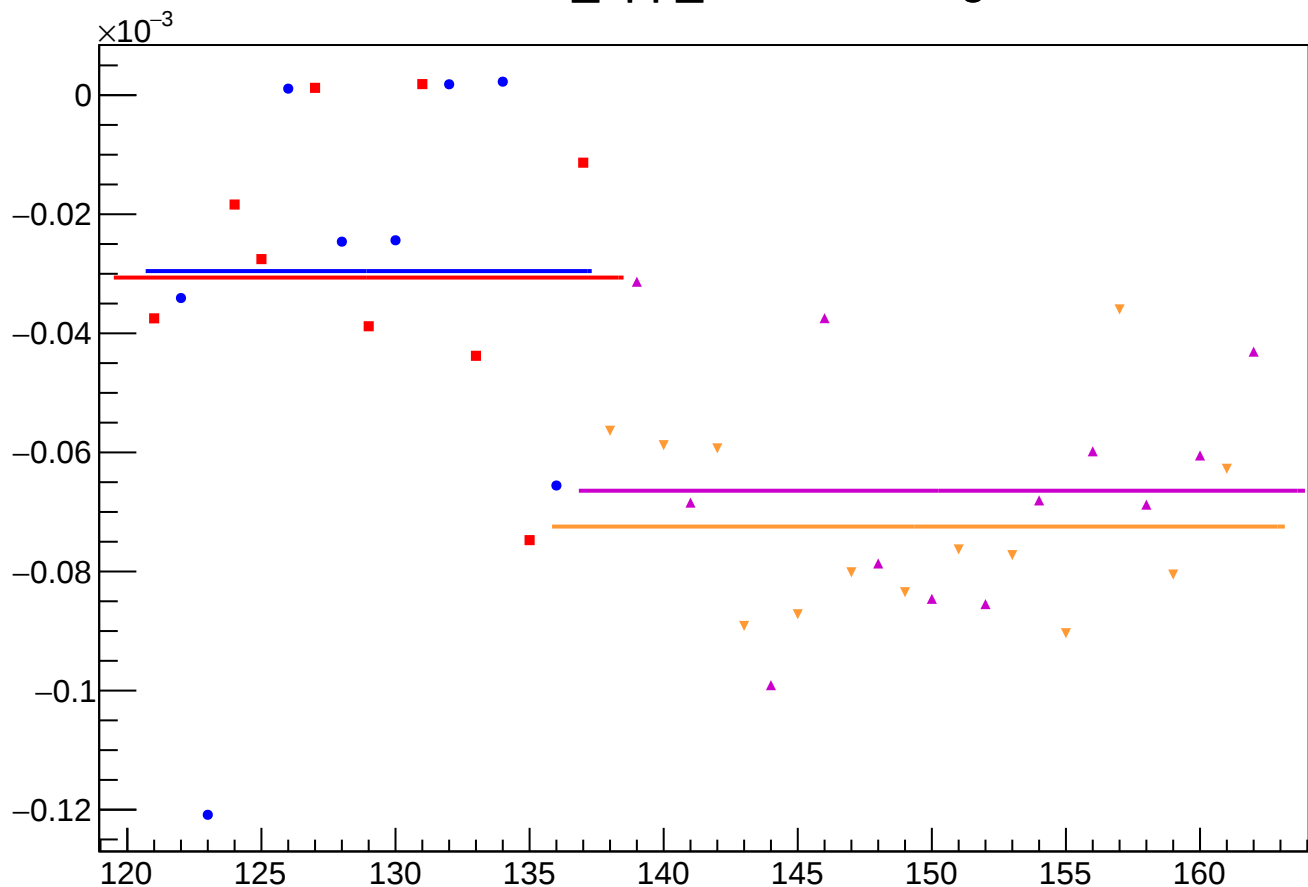
Right In: 2174.572 ± 0.000 $\chi^2/NDF: 1360264074026849381407550448074752.0/7$

Left Out: 2174.477 ± 0.000 $\chi^2/NDF: 3401346165796140468266581840887808.0/12$

Right Out: 2175.442 ± 0.000 $\chi^2/NDF: 610778445075790556034346524868608.0/8$

Left In: 2174.604 ± 0.000 $\chi^2/NDF: 2398698528105242975622588859940864.0/11$

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 : 241911713967796215873536.0/12

Right Out: -0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

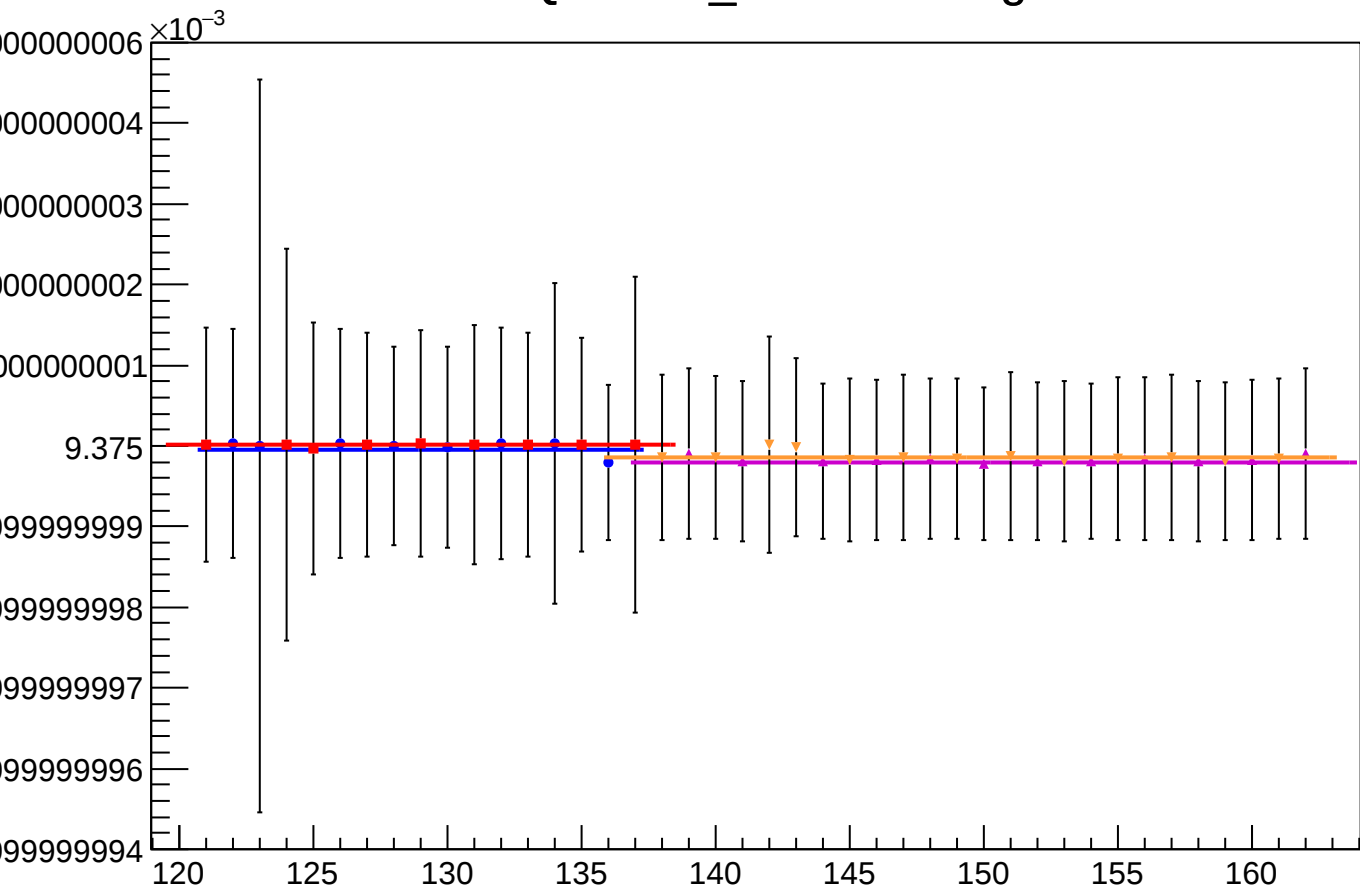
Left In: -0.000+/-0.000 χ^2/NDF : 377703283219952914399232.0/11

+ sign -0.000+/-0.000 χ^2/NDF : 9621945101100559

All: -0.000+/-0.000 χ^2/NDF : 1856450403429

- sign -0.000+/-0.000 χ^2/NDF : 88470937563478020

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/12

Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

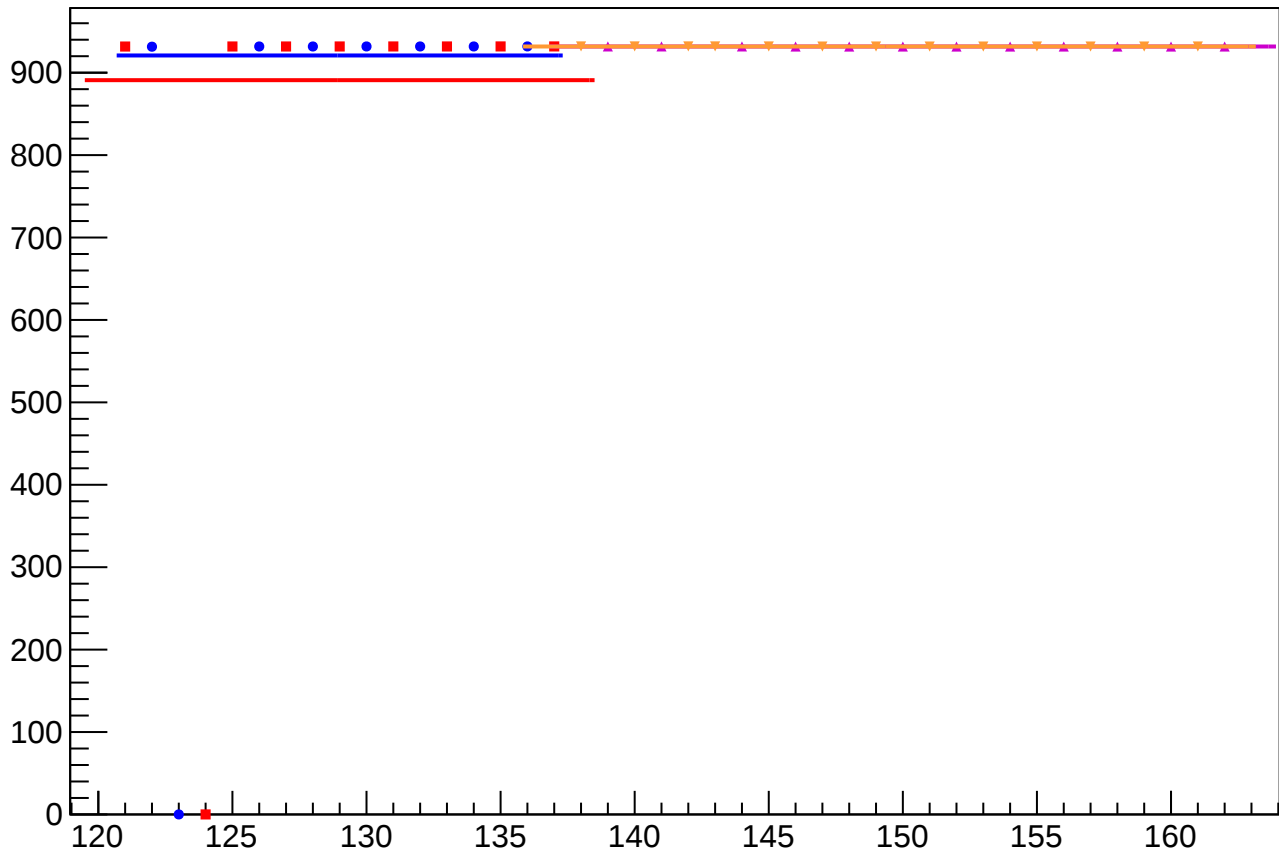
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/11

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/20

All: 0.009 $\pm$ 0.000 χ^2/NDF : 0.2/41

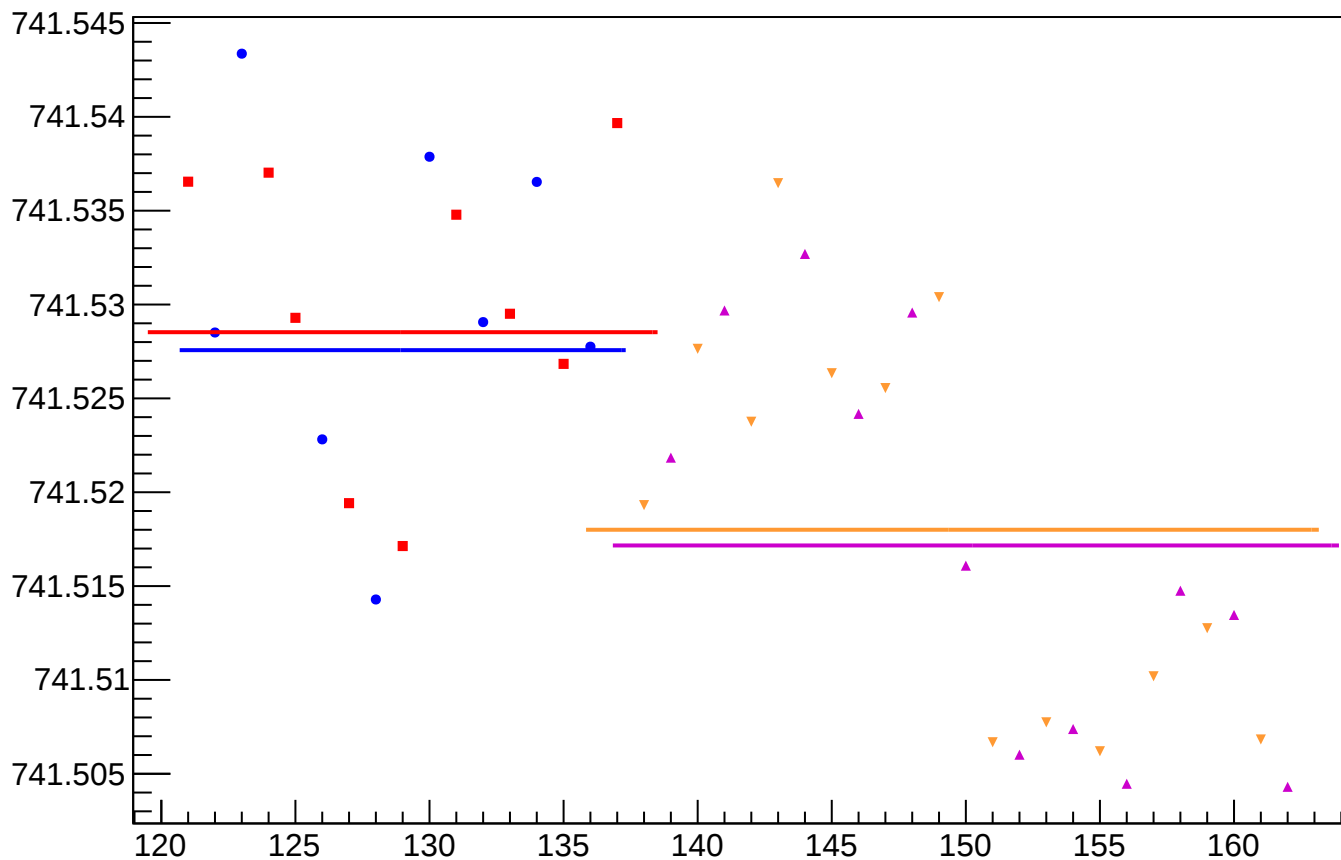
- sign 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/20

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 $\pm$ 0.000 χ^2 /NDF: 3432128841951899861299566212080992256.0/7
 Left Out: 931.785 $\pm$ 0.000 χ^2 /NDF: 3824096995025246389004459311104.0/12
 Right Out: 890.923 $\pm$ 0.000 χ^2 /NDF: 11621671430114409722932854398744788992.0/8
 Left In: 931.771 $\pm$ 0.000 χ^2 /NDF: 3338864270585058965284953522176.0/11

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528 $\pm$ 0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.518 $\pm$ 0.000 χ^2/NDF : 102751145083428582270445813760.0/12

Right Out: 741.529 $\pm$ 0.000 χ^2/NDF : 16580353917842624420385914880.0/8

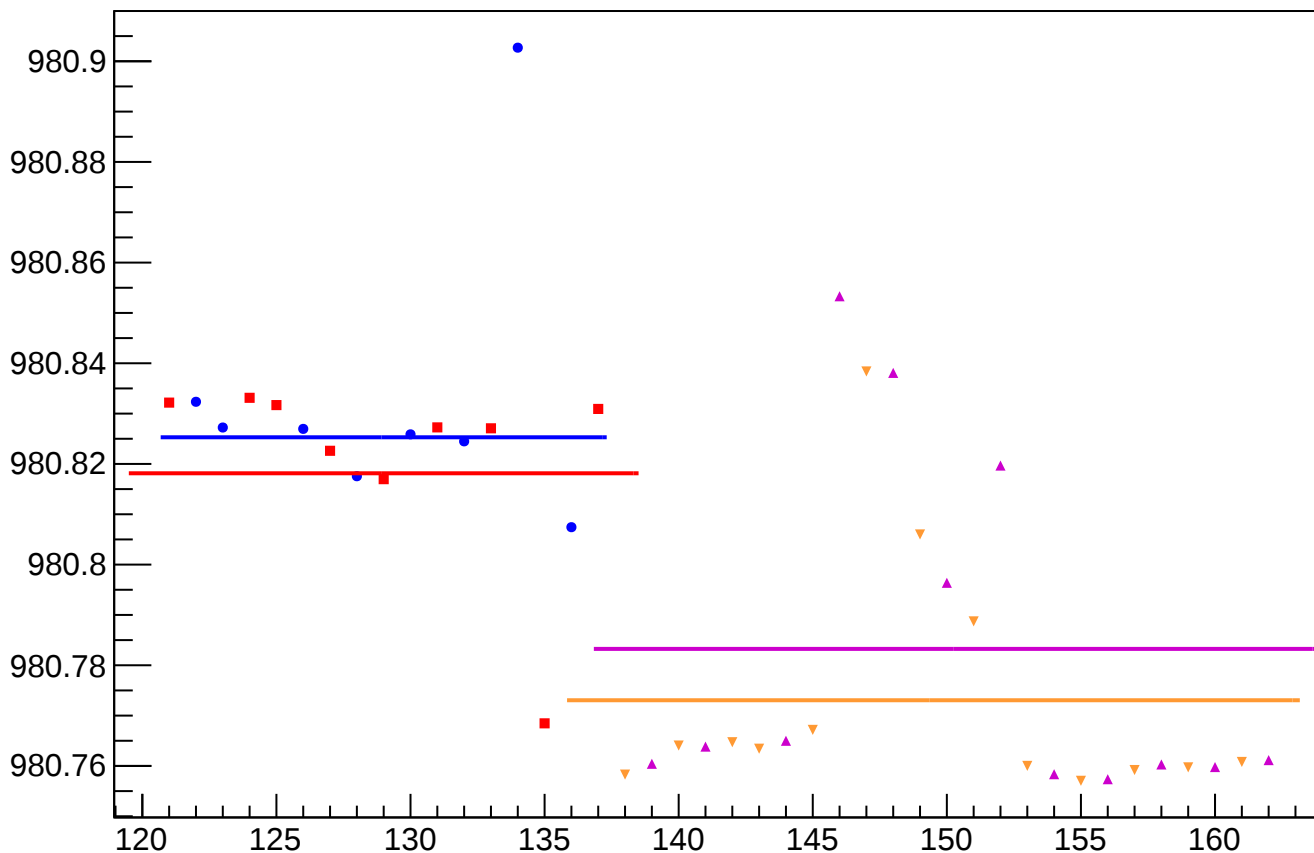
Left In: 741.517 $\pm$ 0.000 χ^2/NDF : 99613487819020458908064940032.0/11

+ sign 741.520 $\pm$ 0.000 χ^2/NDF : 145025514729299

All: 741.520 $\pm$ 0.000 χ^2/NDF : 292654122012

- sign 741.520 $\pm$ 0.000 χ^2/NDF : 147446858496898

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.773+/-0.000 χ^2/NDF : 556977984966251931491534635008.0/12

Right Out: 980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

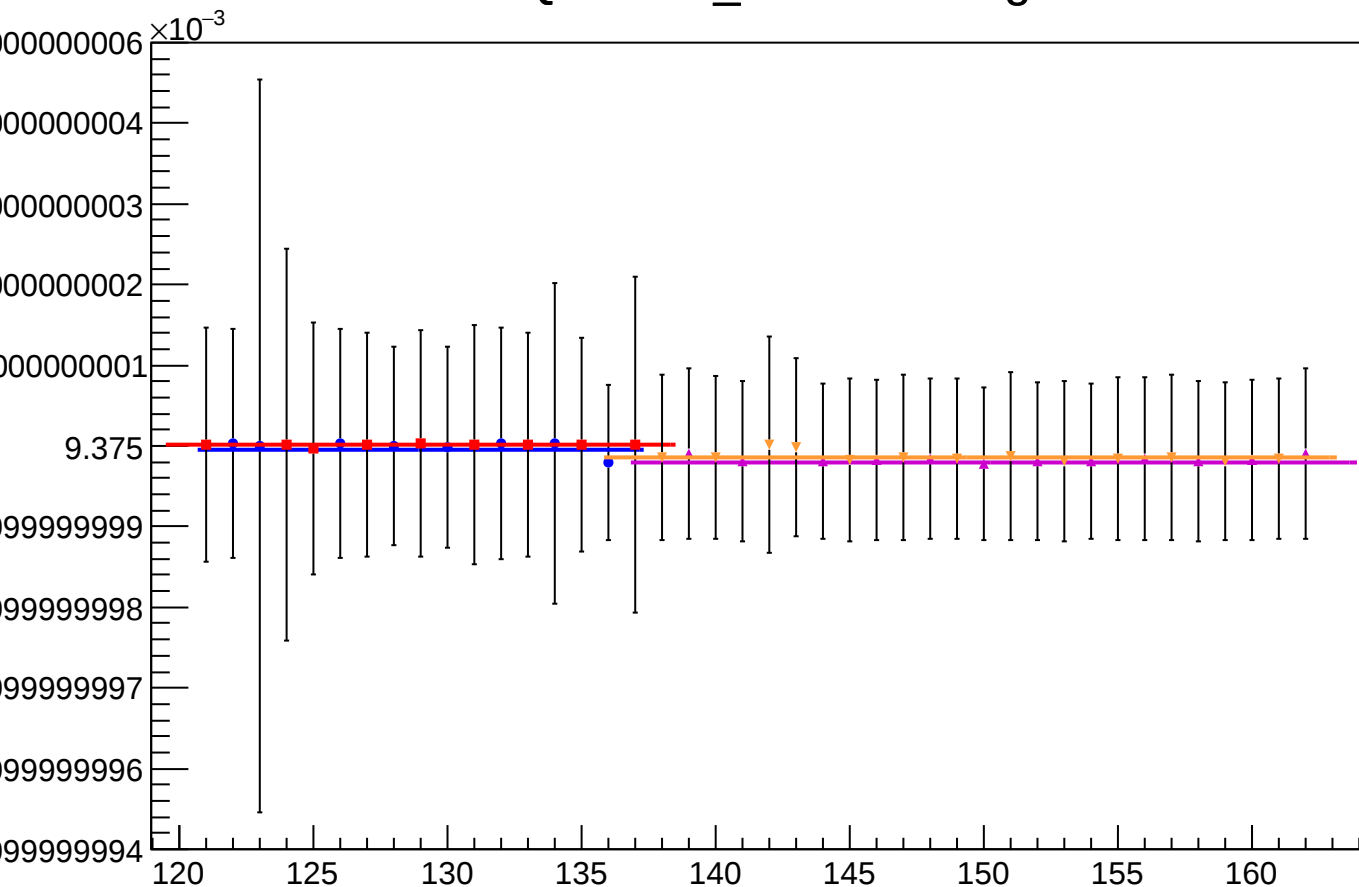
Left In: 980.783+/-0.000 χ^2/NDF : 1126780082223529243552134463488.0/11

+ sign 980.786+/-0.000 χ^2/NDF : 141330503595148

All: 980.789+/-0.000 χ^2/NDF : 299779540476

- sign 980.792+/-0.000 χ^2/NDF : 156514999049945

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 : 0.0/12

Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

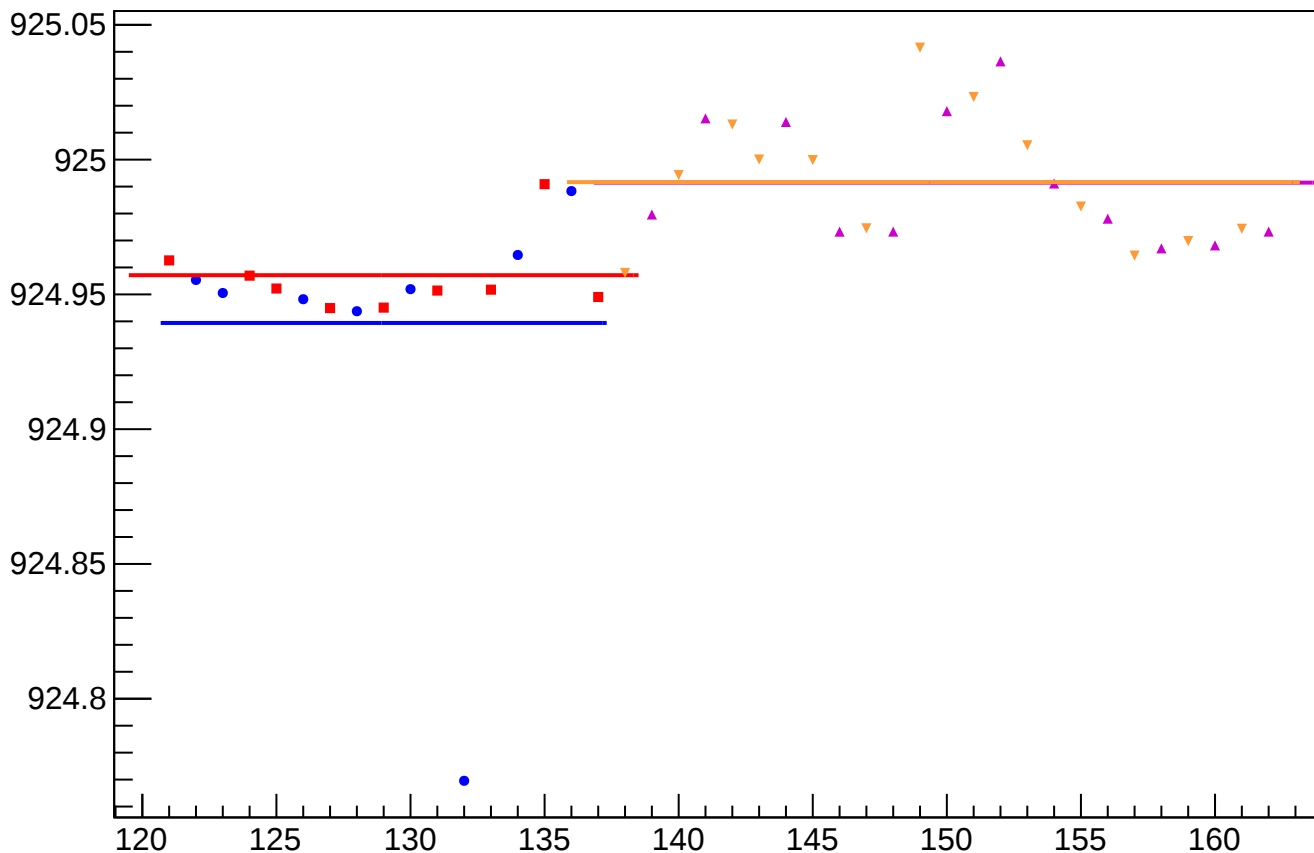
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/11

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/20

All: 0.009 $\pm$ 0.000 χ^2/NDF : 0.2/41

- sign 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/20

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 $\pm$ 0.000 χ^2 /NDF: 1401458495809517406218388242432.0/7

Left Out: 924.992 $\pm$ 0.000 χ^2 /NDF: 576910281410058942998342795264.0/12

Right Out: 924.957 $\pm$ 0.000 χ^2 /NDF: 71808709366506786060310151168.0/8

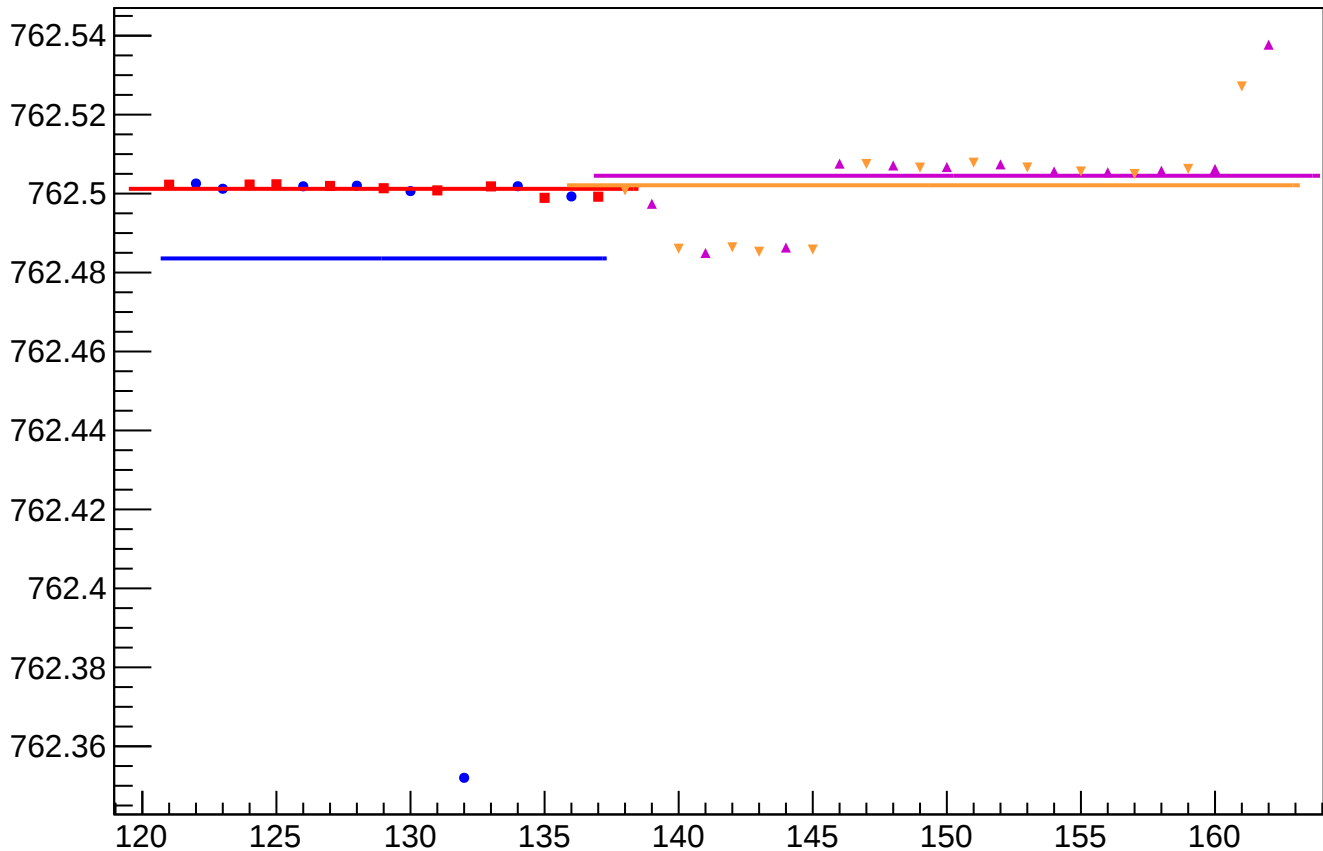
Left In: 924.991 $\pm$ 0.000 χ^2 /NDF: 533277214537863356113175445504.0/11

+ sign 924.978 $\pm$ 0.000 χ^2 /NDF: 267561214392488

All: 924.981 $\pm$ 0.000 χ^2 /NDF: 358140603942

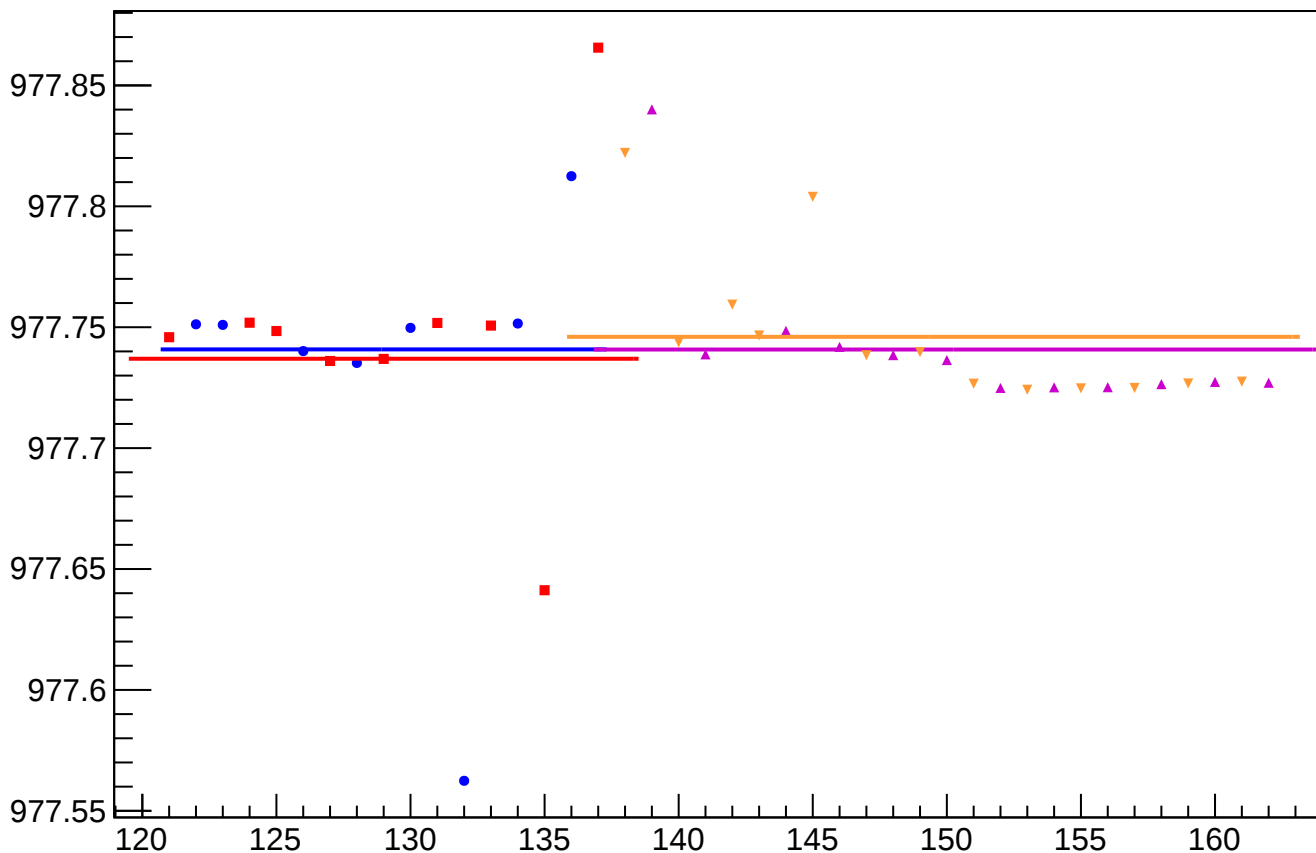
- sign 924.983 $\pm$ 0.000 χ^2 /NDF: 890618852253091

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484 $\pm$ 0.000 χ^2 /NDF: 784430761251084401798891438080.0/7
 Left Out: 762.502 $\pm$ 0.000 χ^2 /NDF: 137135941873362296910186020864.0/12
 Right Out: 762.501 $\pm$ 0.000 χ^2 /NDF: 469794702848036819563446272.0/8
 Left In: 762.505 $\pm$ 0.000 χ^2 /NDF: 150340541031951497354551492608.0/11

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.746+/-0.000 χ^2/NDF : 941749907070460470743718166528.0/12

Right Out: 977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

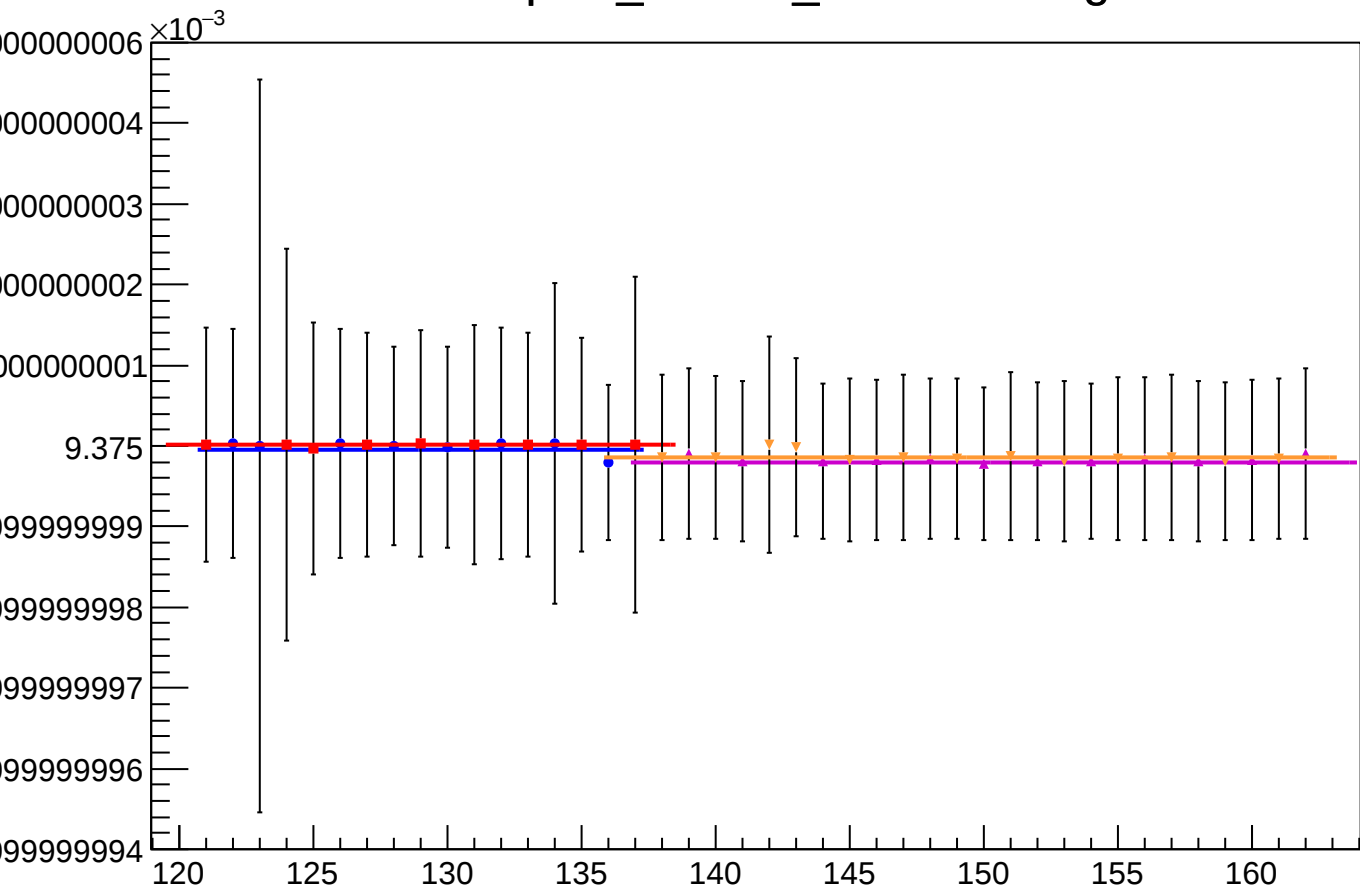
Left In: 977.741+/-0.000 χ^2/NDF : 847339564749317209383734607872.0/11

+ sign 977.745+/-0.000 χ^2/NDF : 268675294679972

All: 977.742+/-0.000 χ^2/NDF : 432564296169

- sign 977.740+/-0.000 χ^2/NDF : 162317854384364

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:0.0/12

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

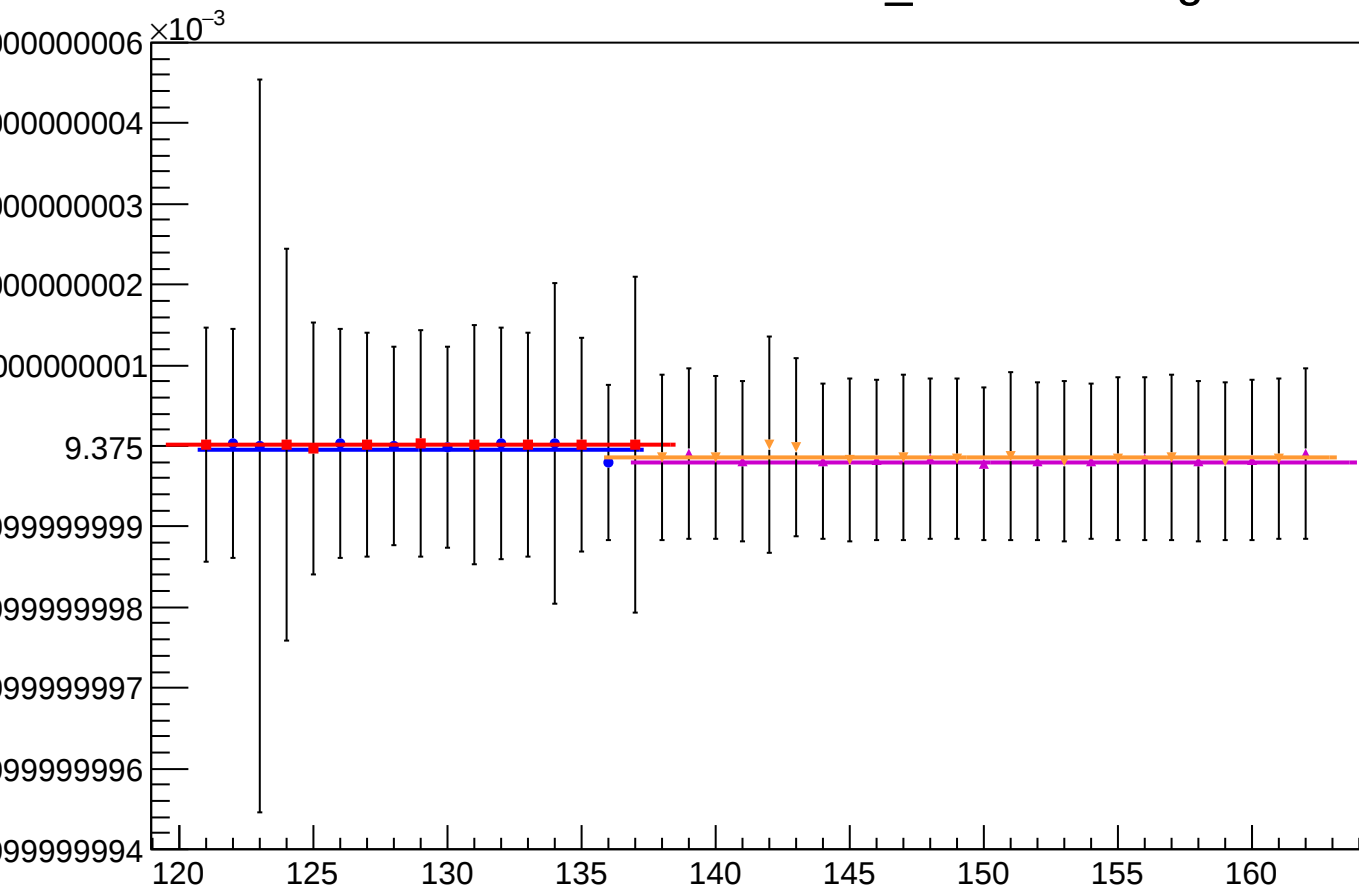
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/11

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/41

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

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:0.0/12

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

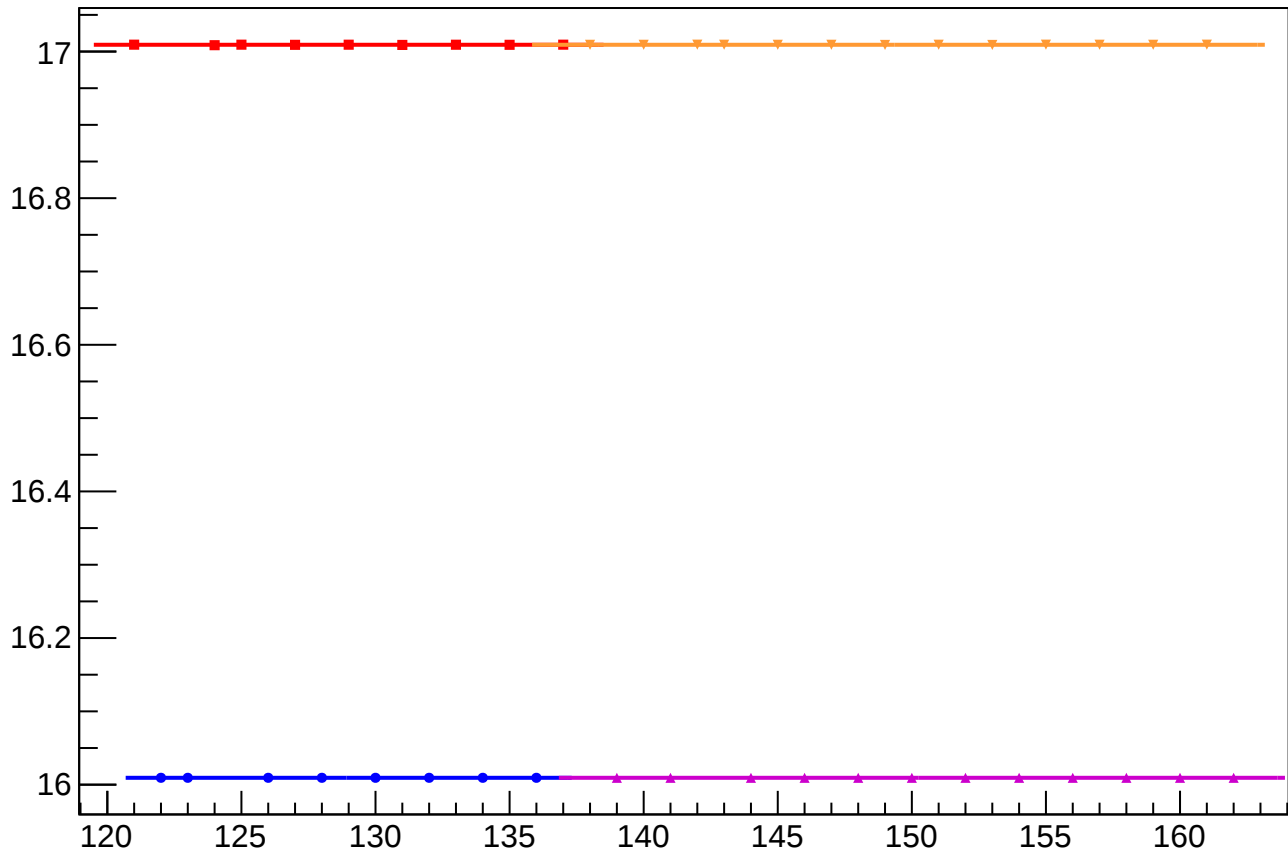
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/11

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/41

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

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: 11943174513703878800703488.0/12

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

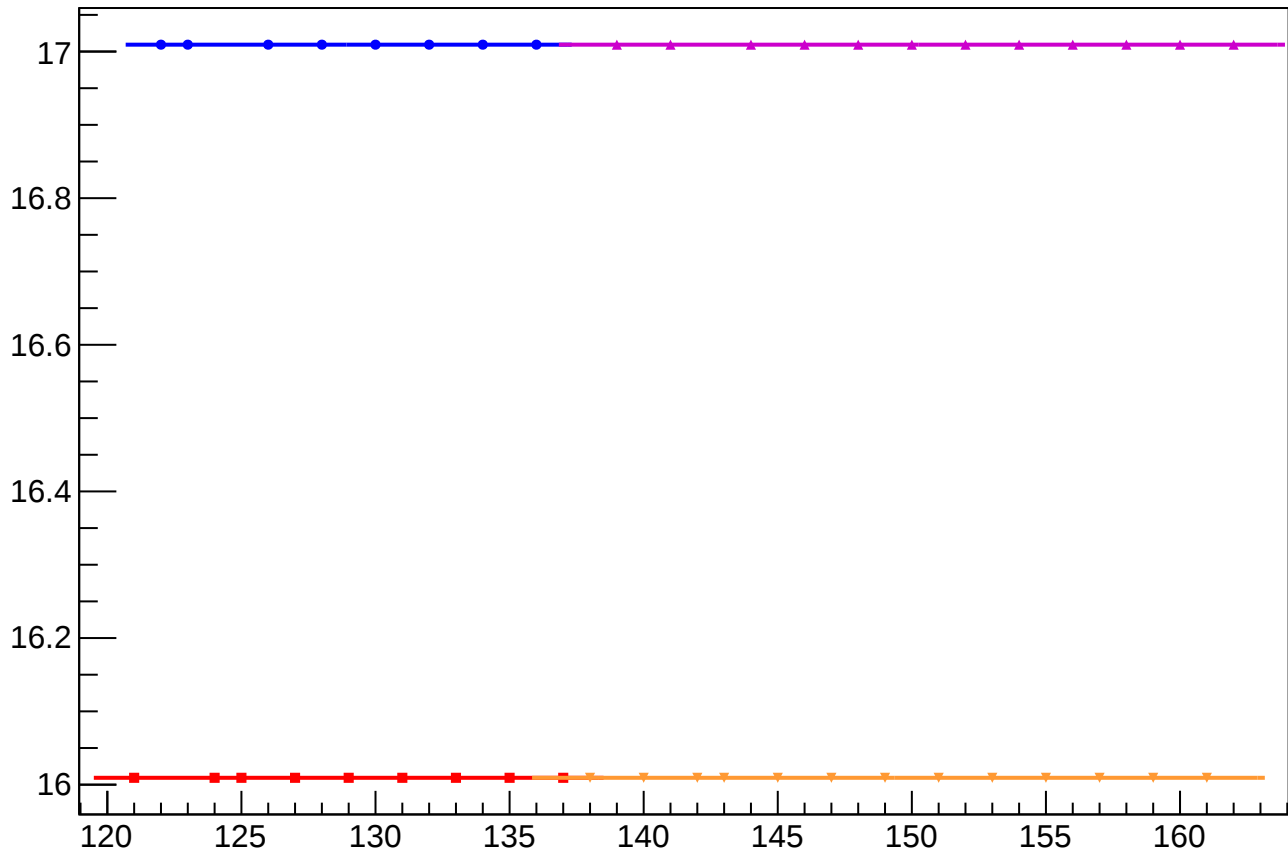
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 39821.7/11

+ sign 16.750 $\pm$ 0.000 χ^2 /NDF: 2341515522642057

All: 16.500 $\pm$ 0.000 χ^2 /NDF: 6143723177822

- sign 16.253 $\pm$ 0.000 χ^2 /NDF: 2282681465525774

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: 40881.9/12

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 17859.8/8

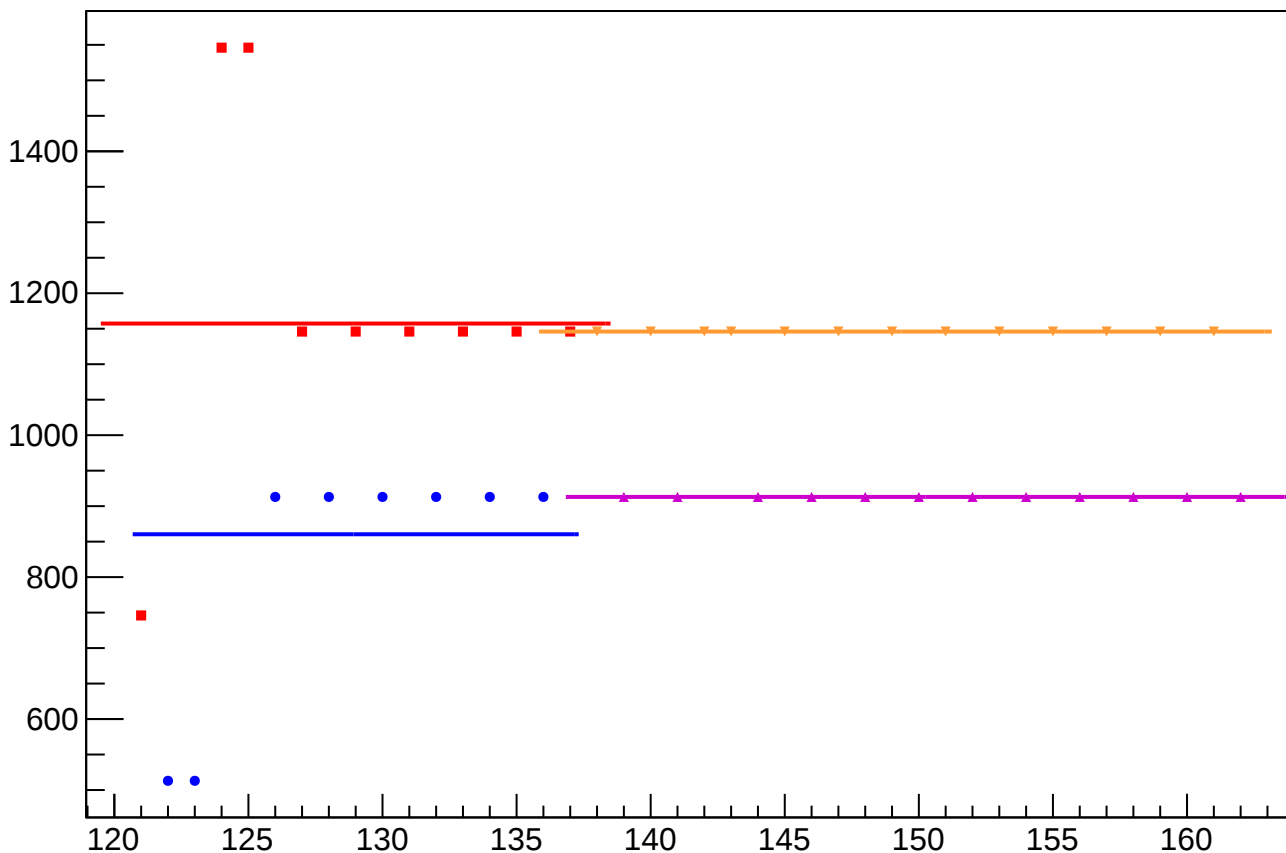
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 14262.6/11

+ sign 16.264 $\pm$ 0.000 χ^2 /NDF: 2548435171385949

All: 16.512 $\pm$ 0.000 χ^2 /NDF: 6632287975876

- sign 16.766 $\pm$ 0.000 χ^2 /NDF: 2413790999237000

RTPAPOSUCNT_mean vs Slug



Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 3902381054582015082910187520.0/12

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

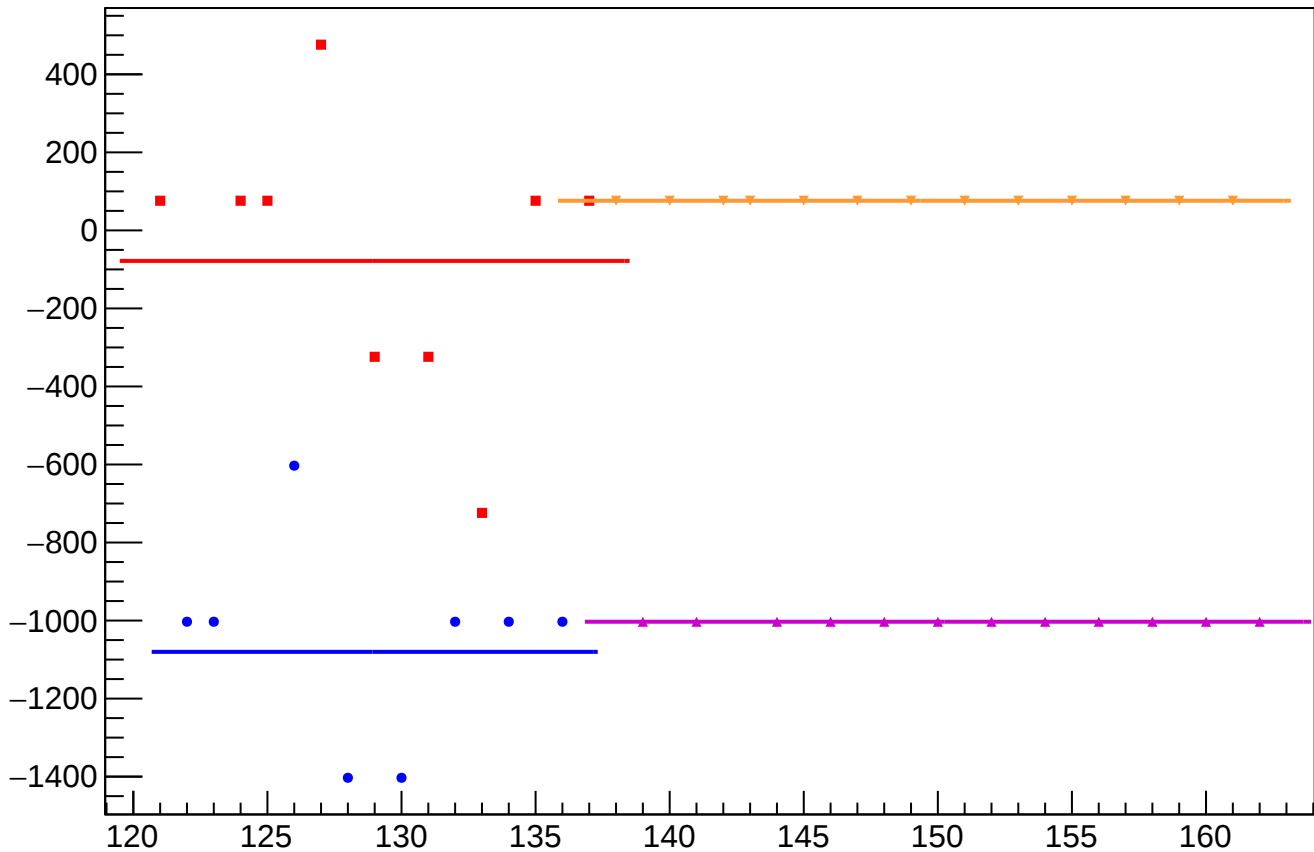
Left In: 912.994+/-0.000 χ^2/NDF : 13226302837169364721714855936.0/11

All: 1023.287+/-0.000 χ^2/NDF : 62334616802

+ sign 1073.646+/-0.000 χ^2/NDF : 27089079605484

- sign 971.900+/-0.000 χ^2/NDF : 283282604147229

RTPAPOSVCNT_mean vs Slug



Right In: -1080.182 $\pm$ 0.000 χ^2 /NDF: 21641787691490496475350584298794123264.0/7
 Left Out: 76.011 $\pm$ 0.000 χ^2 /NDF: 4369098972849093630551392256.0/12
 Right Out: -78.224 $\pm$ 0.000 χ^2 /NDF: 39611265375063350144036471826150326272.0/8
 Left In: -1002.989 $\pm$ 0.000 χ^2 /NDF: 1313082436713551567964340224.0/11