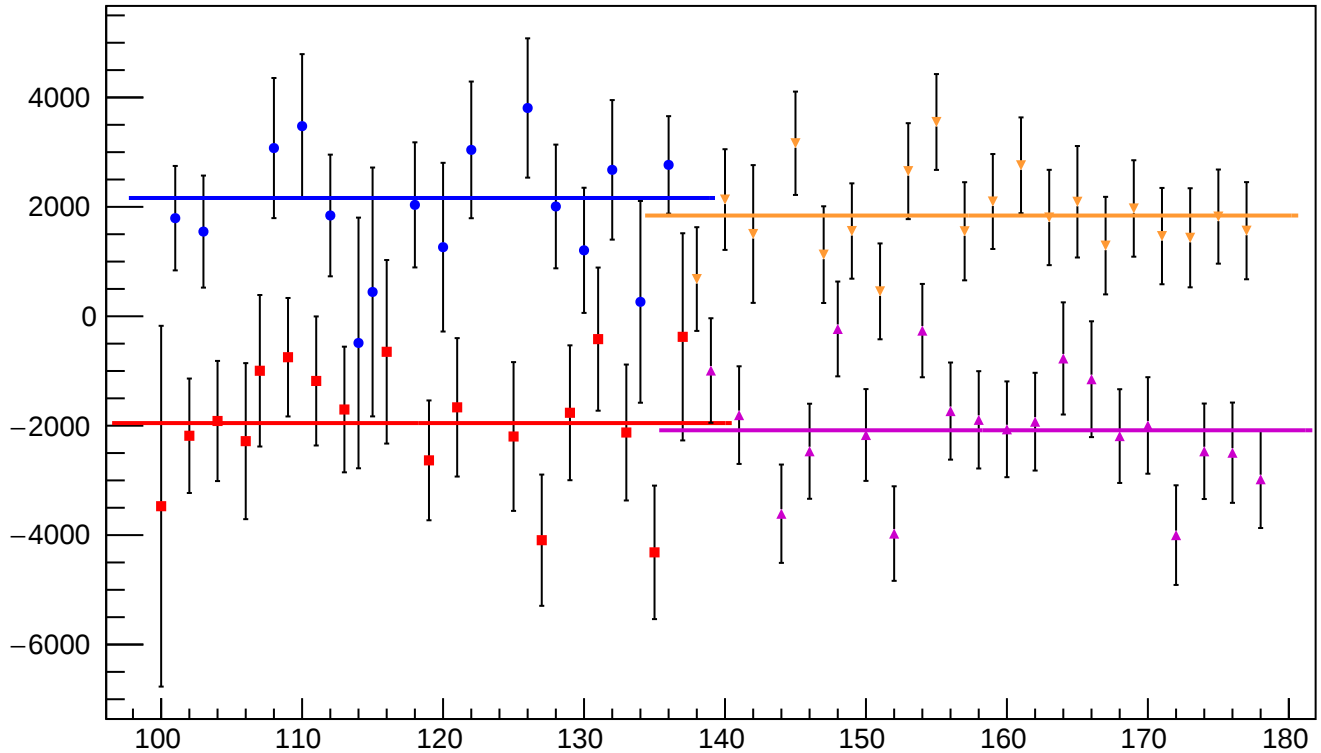


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1841.670+/-202.537

χ^2/NDF : 13.8/19

Right Out: -1952.148+/-300.581

χ^2/NDF : 12.6/17

Left In: -2083.787+/-200.297

χ^2/NDF : 26.9/19

+ sign 1938.768+/-169.113

χ^2/NDF : 23.5/35

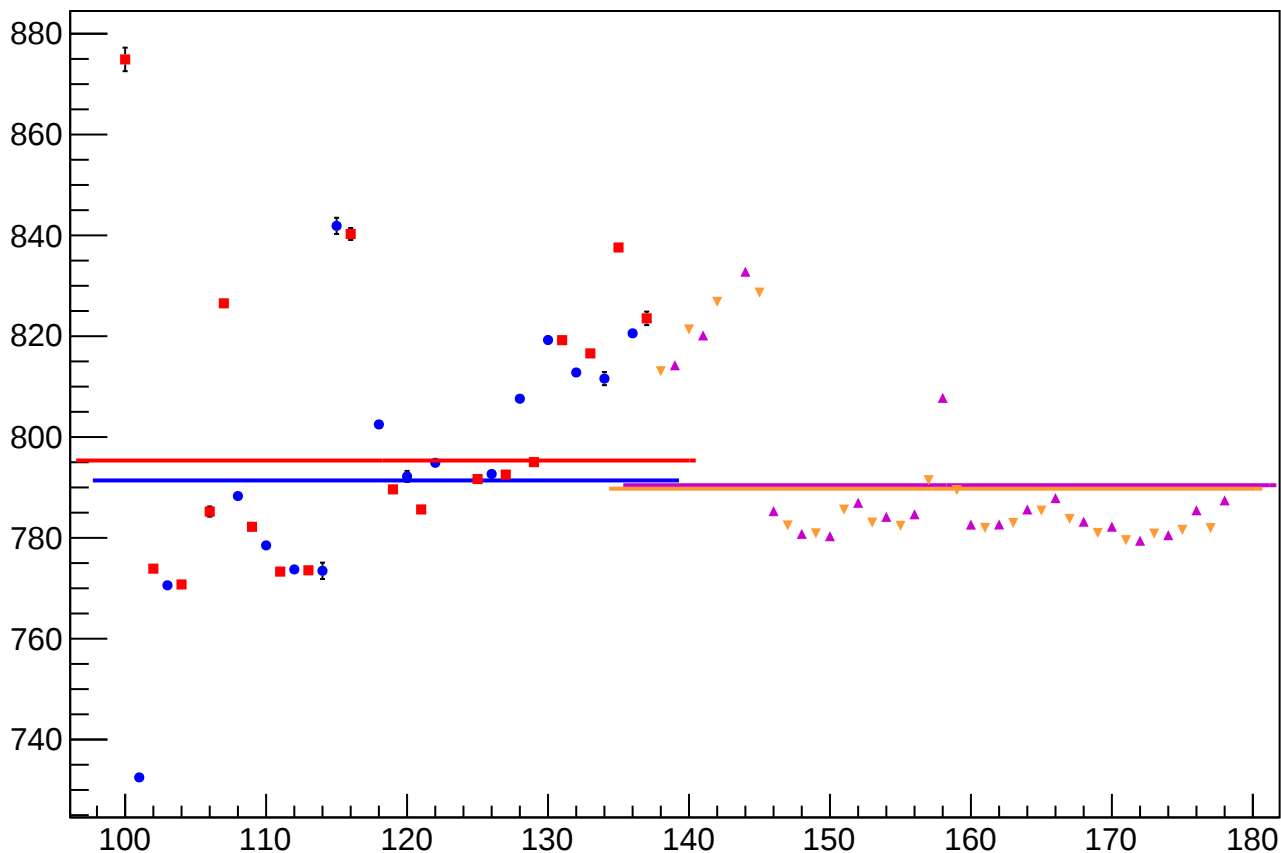
All: -81.113+/-118.711

χ^2/NDF : 344.4/73

- sign -2043.308+/-166.680

χ^2/NDF : 39.7/37

reg_asym_us_avg_rms vs Slug



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

Left Out: 789.753 ± 0.143 χ^2/NDF : 10745.9/19

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

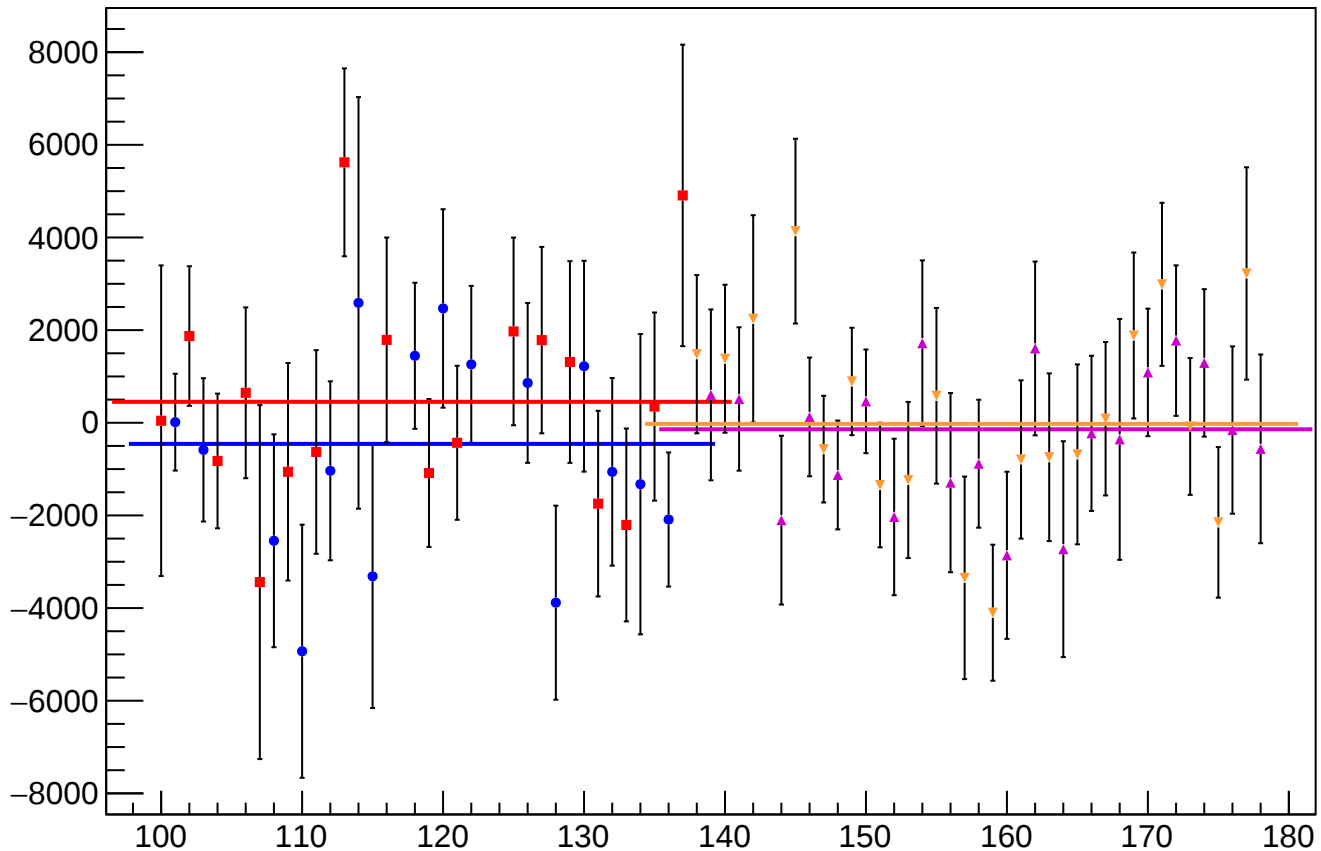
Left In: 790.443 ± 0.142 χ^2/NDF : 10803.6/19

+ sign 790.249 ± 0.120 χ^2/NDF : 25793.8/35

All: 791.112 ± 0.084 χ^2/NDF : 48628.1/73

- sign 791.950 ± 0.118 χ^2/NDF : 22731.7/37

asym_us_avg_correction_mean vs Slug



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

Left Out: -23.679 ± 365.659 χ^2/NDF : 27.6/19

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

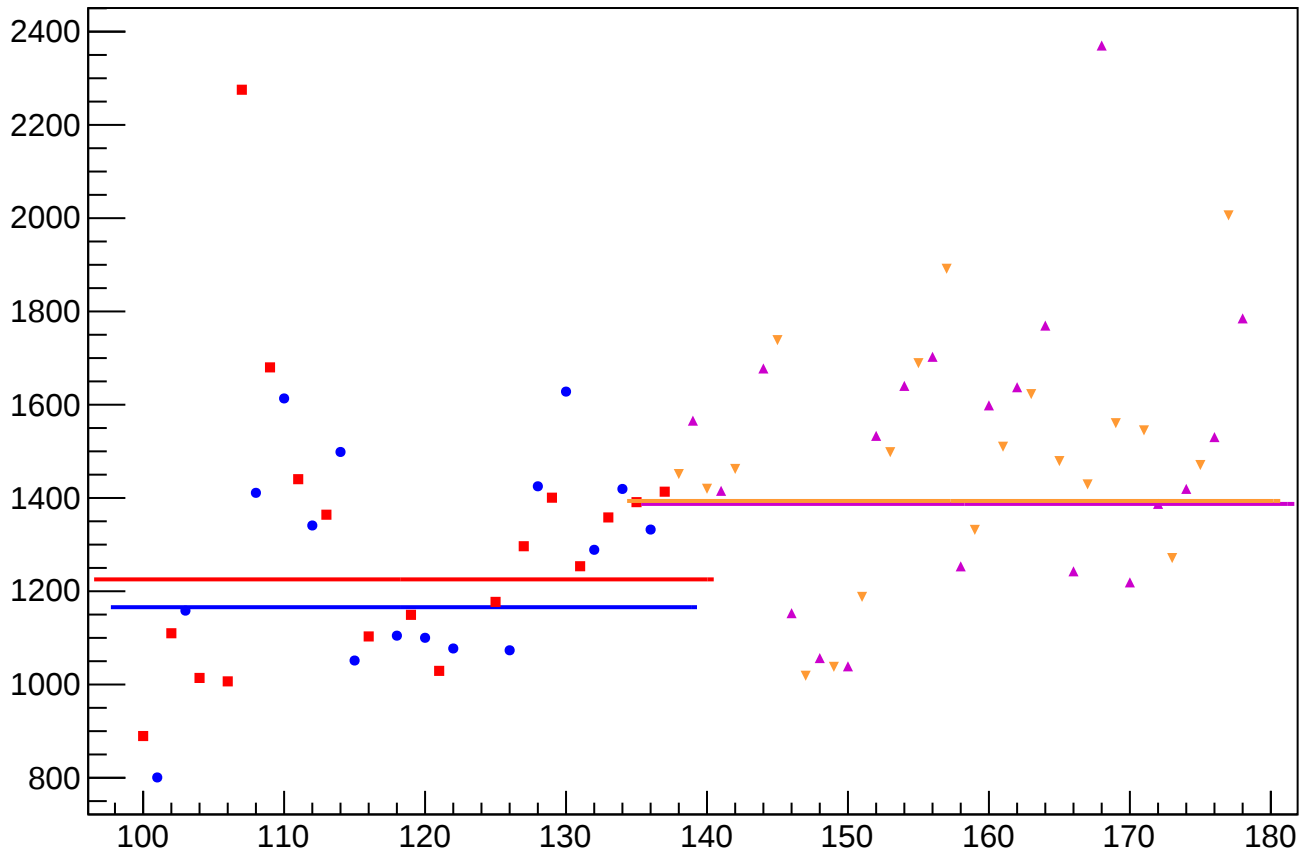
Left In: -140.295 ± 359.699 χ^2/NDF : 12.9/19

+ sign -189.080 ± 287.252 χ^2/NDF : 43.0/35

All: -55.529 ± 202.767 χ^2/NDF : 74.7/73

- sign 77.102 ± 286.262 χ^2/NDF : 31.3/37

asym_us_avg_correction_rms vs Slug



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

Left Out: 1393.608 $\pm$ 0.259 χ^2 /NDF: 914069.5/19

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

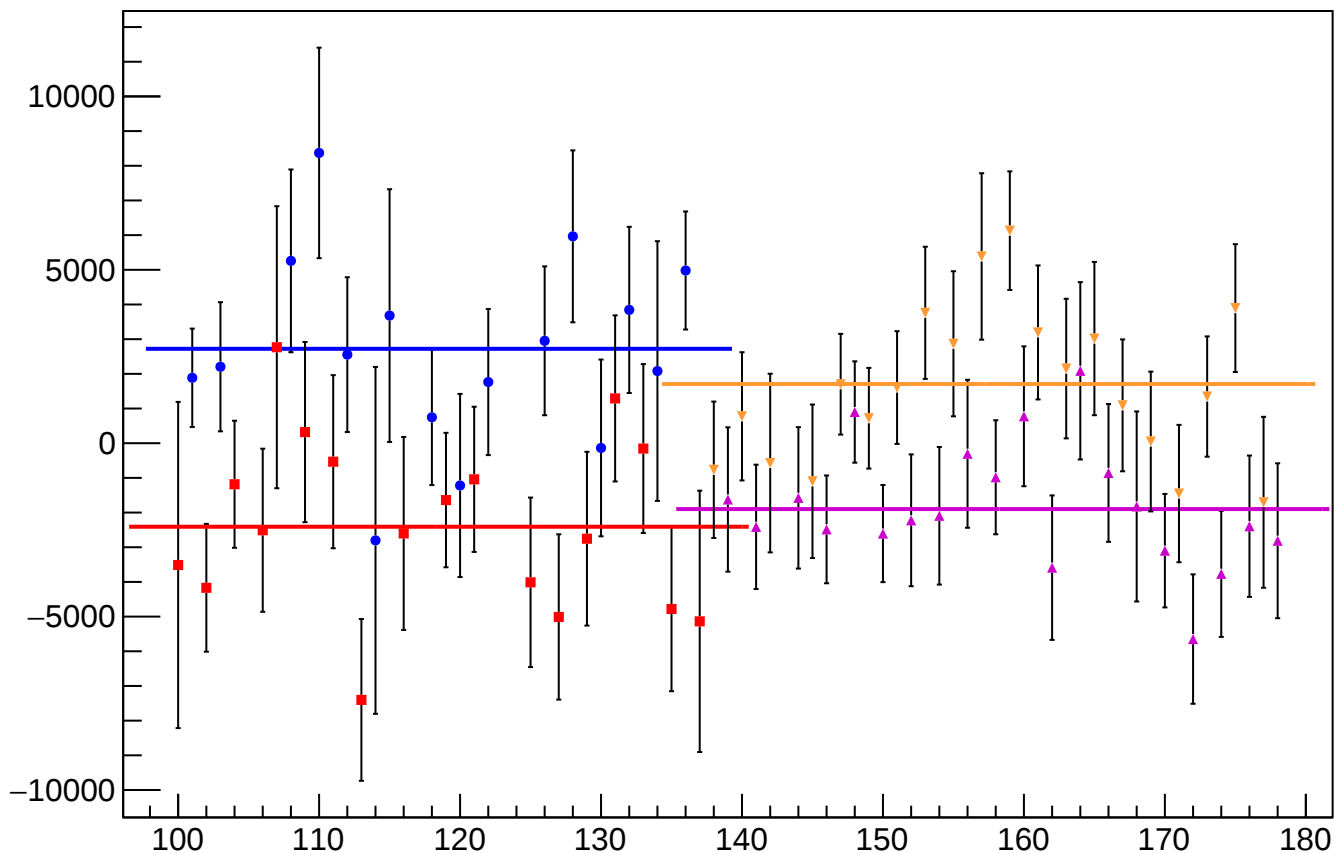
Left In: 1387.273 $\pm$ 0.254 χ^2 /NDF: 1153421.3/19

+ sign 1306.391 $\pm$ 0.203 χ^2 /NDF: 1738054.8/35

All: 1317.203 $\pm$ 0.143 χ^2 /NDF: 3485962.7/73

- sign 1327.941 $\pm$ 0.202 χ^2 /NDF: 1742260.0/37

asym_us_avg_mean vs Slug



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

Left Out: 1706.849+/-424.843 χ^2/NDF : 22.9/19

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

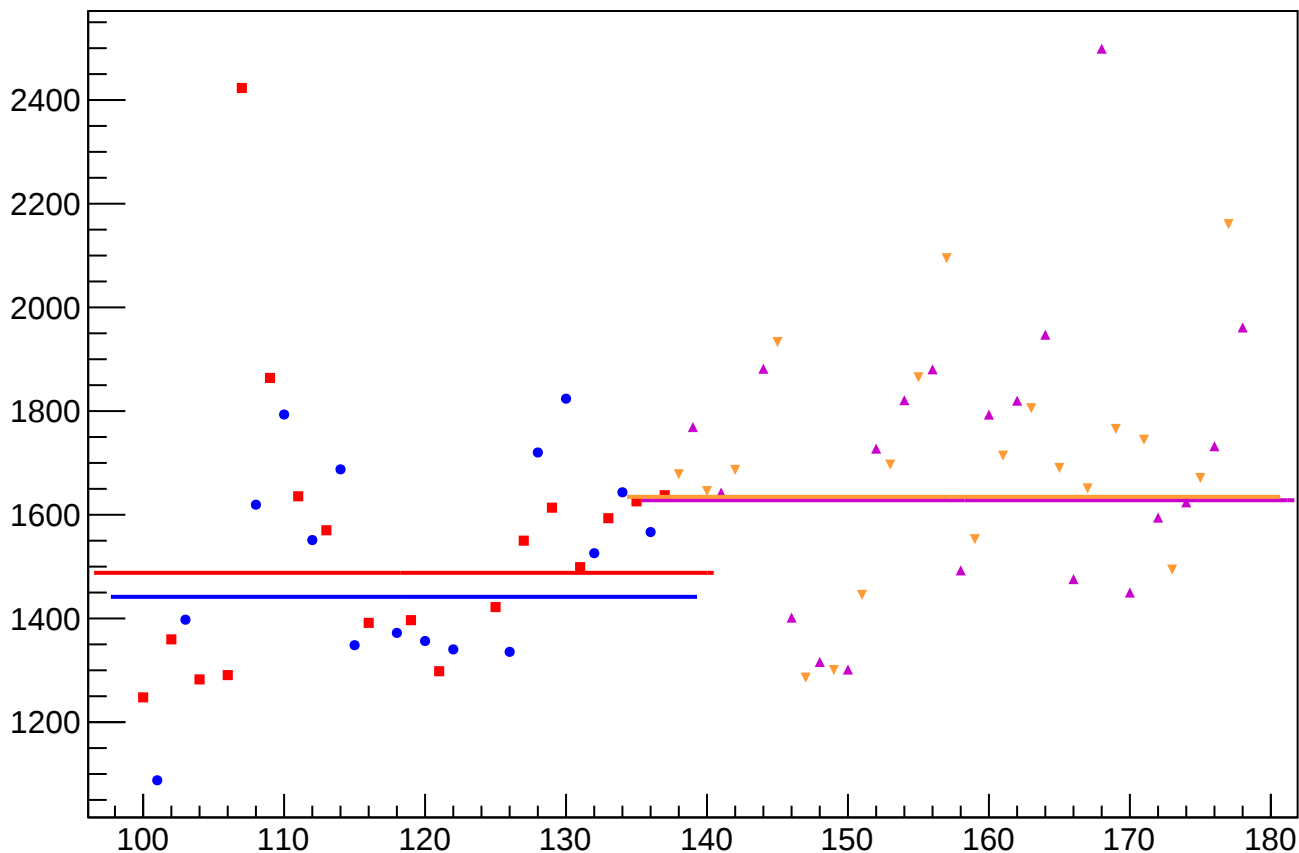
Left In: -1899.175+/-418.295 χ^2/NDF : 16.1/19

+ sign 2071.840+/-340.025 χ^2/NDF : 39.5/35

All: -21.424+/-239.364 χ^2/NDF : 147.5/73

- sign -2077.852+/-337.020 χ^2/NDF : 32.9/37

asym_us_avg_rms vs Slug



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

Left Out: 1634.617+/-0.300 χ^2/NDF : 529776.7/19

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

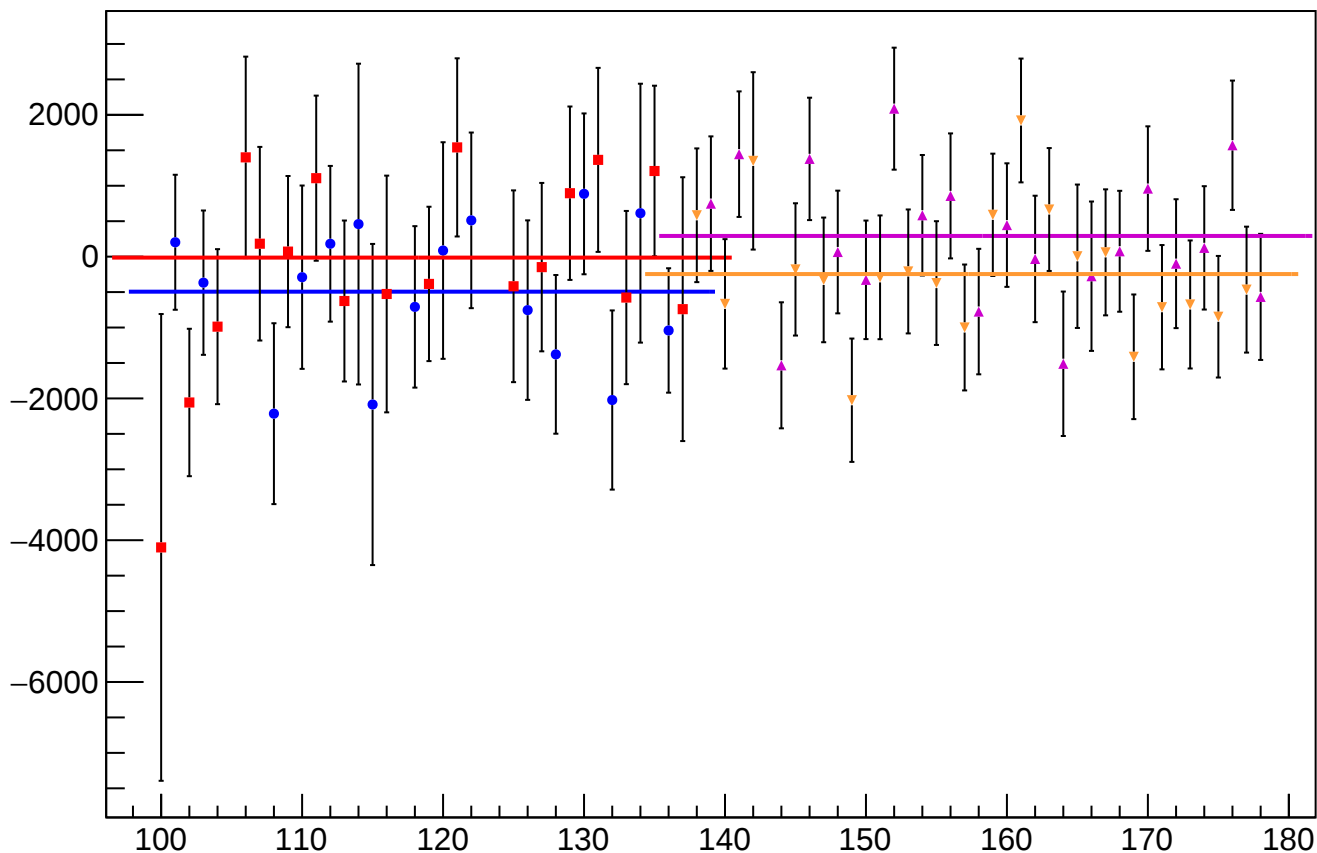
Left In: 1628.034+/-0.296 χ^2/NDF : 697976.4/19

+ sign 1565.283+/-0.240 χ^2/NDF : 953877.6/35

All: 1572.158+/-0.169 χ^2/NDF : 1988228.6/73

- sign 1578.912+/-0.238 χ^2/NDF : 1032730.2/37

reg_asym_us_dd_mean vs Slug



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

Left Out: -245.725+/-201.597 χ^2/NDF : 18.8/19

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

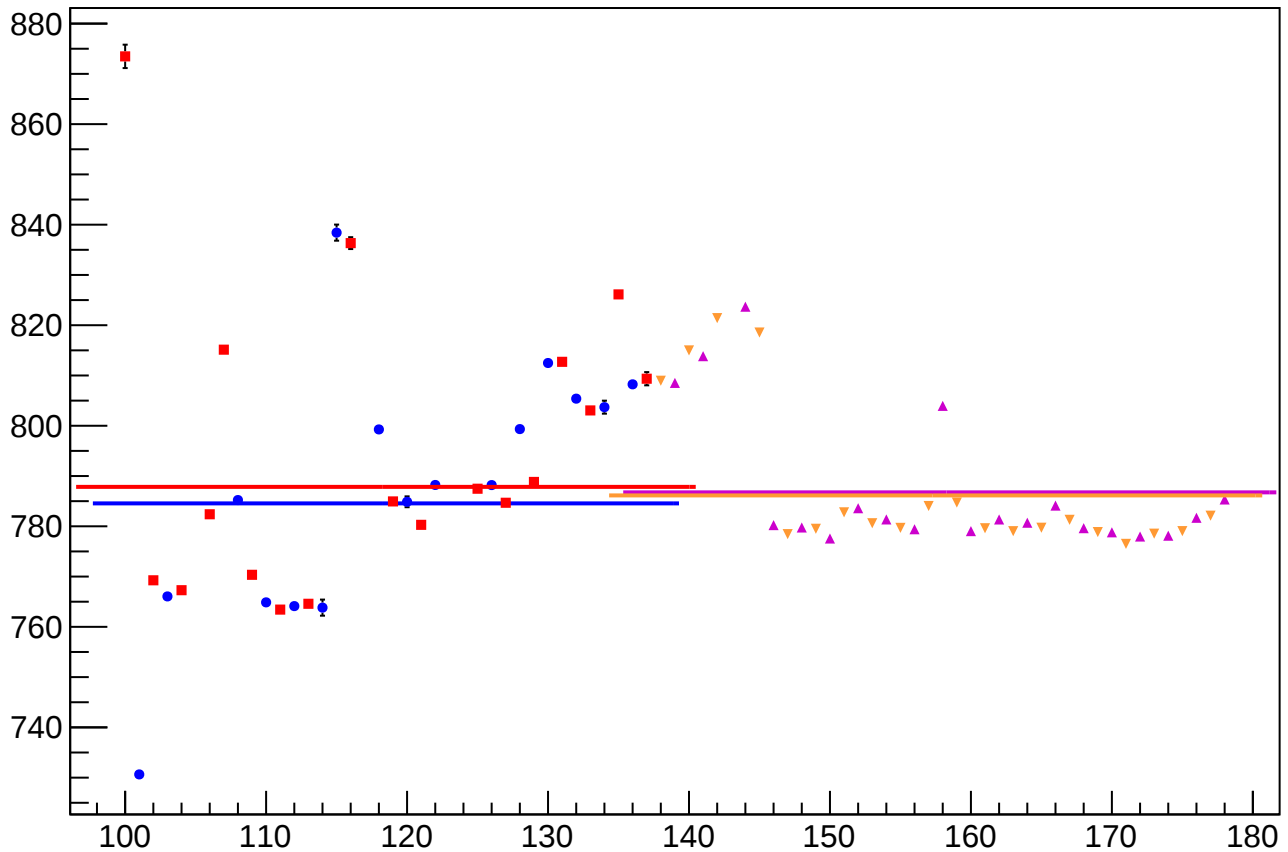
Left In: 291.971+/-199.352 χ^2/NDF : 22.0/19

+ sign -321.404+/-168.120 χ^2/NDF : 27.9/35

All: -58.157+/-117.996 χ^2/NDF : 68.8/73

- sign 197.412+/-165.650 χ^2/NDF : 36.1/37

reg_asym_us_dd_rms vs Slug



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

Left Out: 786.144 $\pm$ 0.143 χ^2 /NDF: 8760.9/19

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

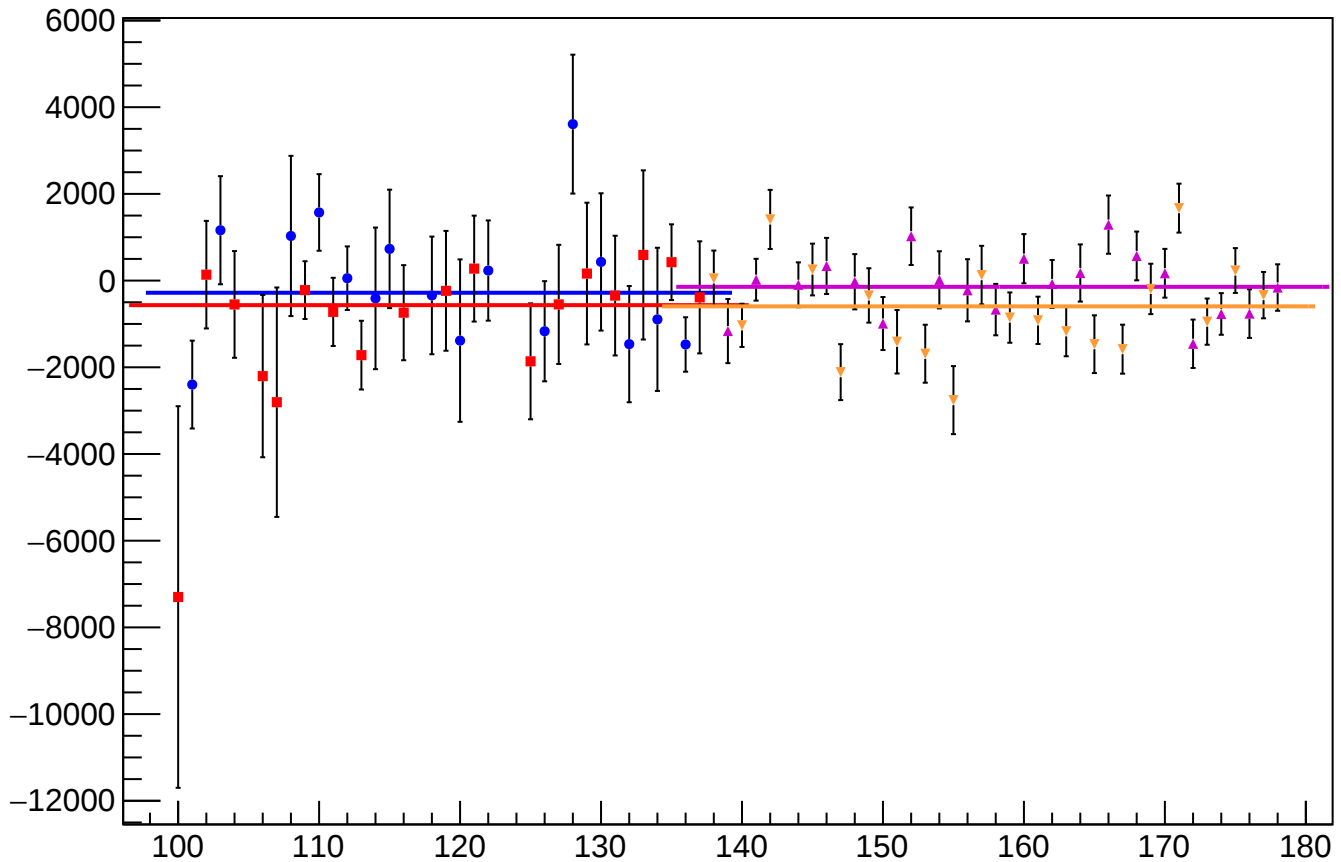
Left In: 786.751 $\pm$ 0.141 χ^2 /NDF: 8929.6/19

+ sign 785.661 $\pm$ 0.119 χ^2 /NDF: 22476.4/35

All: 786.386 $\pm$ 0.083 χ^2 /NDF: 42406.8/73

- sign 787.089 $\pm$ 0.117 χ^2 /NDF: 19857.2/37

asym_us_dd_correction_mean vs Slug



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

Left Out: -594.264 ± 133.799 χ^2/NDF : 56.9/19

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

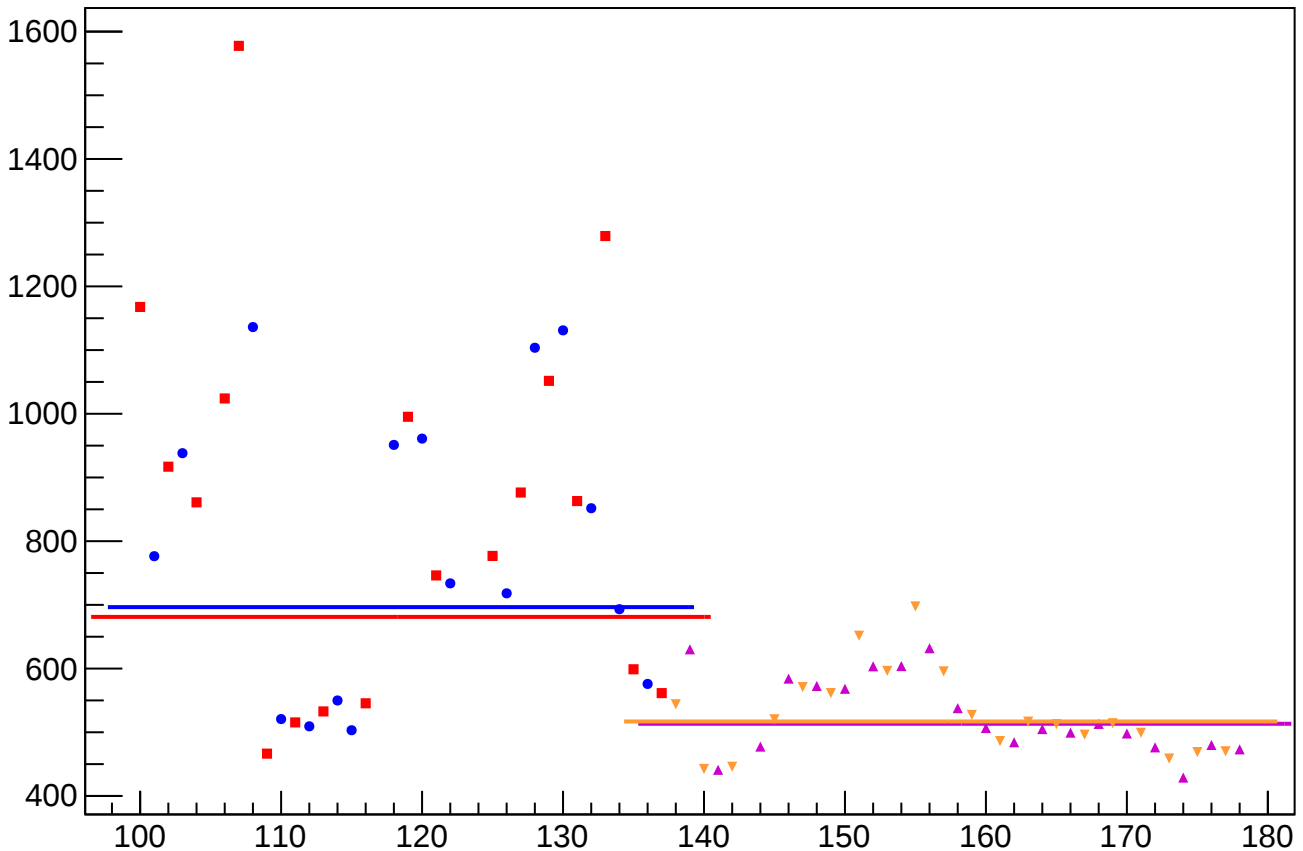
Left In: -143.919 ± 131.142 χ^2/NDF : 25.0/19

+ sign -536.801 ± 120.922 χ^2/NDF : 81.1/35

All: -376.409 ± 84.526 χ^2/NDF : 121.4/73

- sign -223.153 ± 118.201 χ^2/NDF : 36.9/37

asym_us_dd_correction_rms vs Slug



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

Left Out: 516.948 $\pm$ 0.095 χ^2 /NDF: 391309.5/19

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

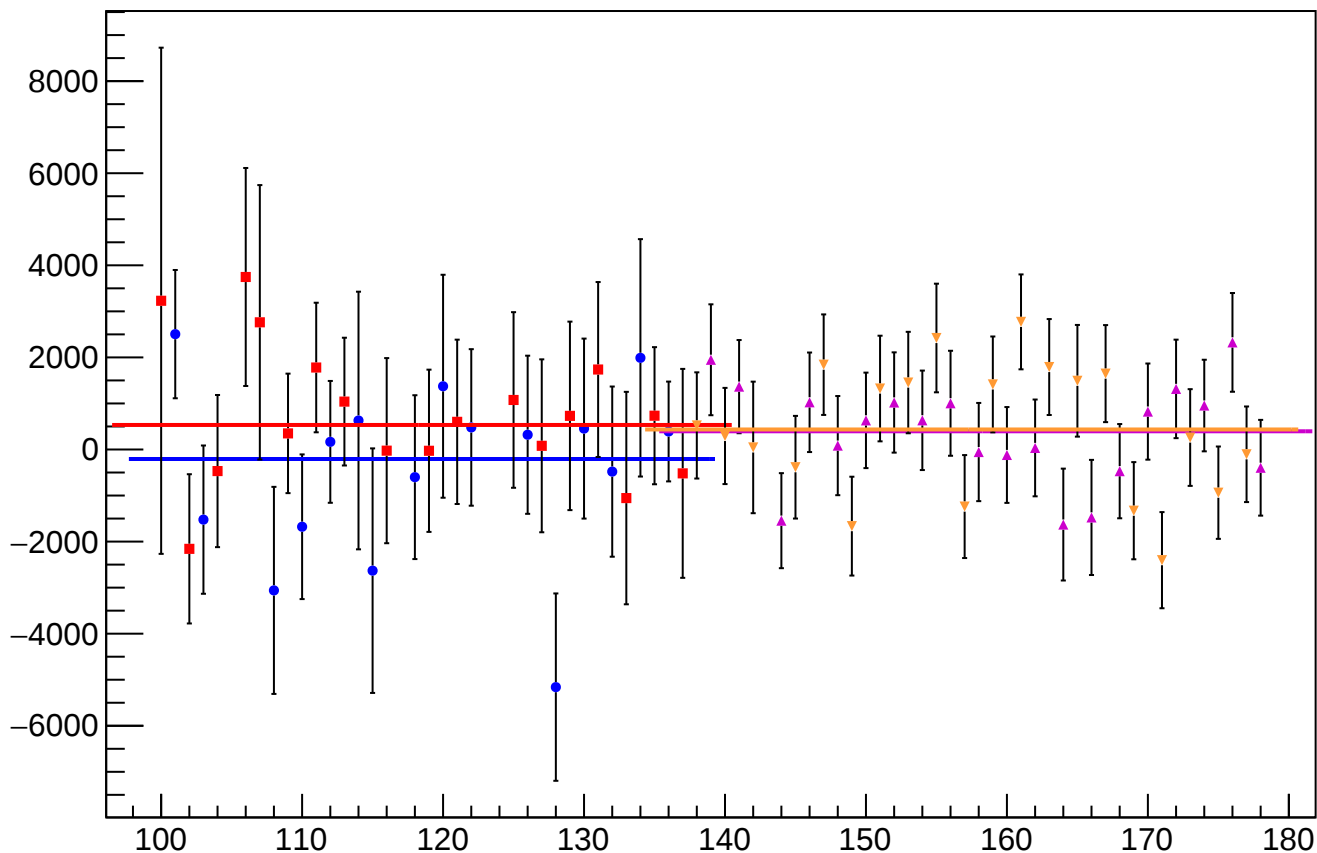
Left In: 513.336 $\pm$ 0.093 χ^2 /NDF: 392062.4/19

+ sign 549.838 $\pm$ 0.086 χ^2 /NDF: 2010415.5/35

All: 547.271 $\pm$ 0.060 χ^2 /NDF: 4371082.9/73

- sign 544.817 $\pm$ 0.084 χ^2 /NDF: 2358904.0/37

asym_us_dd_mean vs Slug



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

Left Out: 434.785 ± 244.094 χ^2/NDF : 34.8/19

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

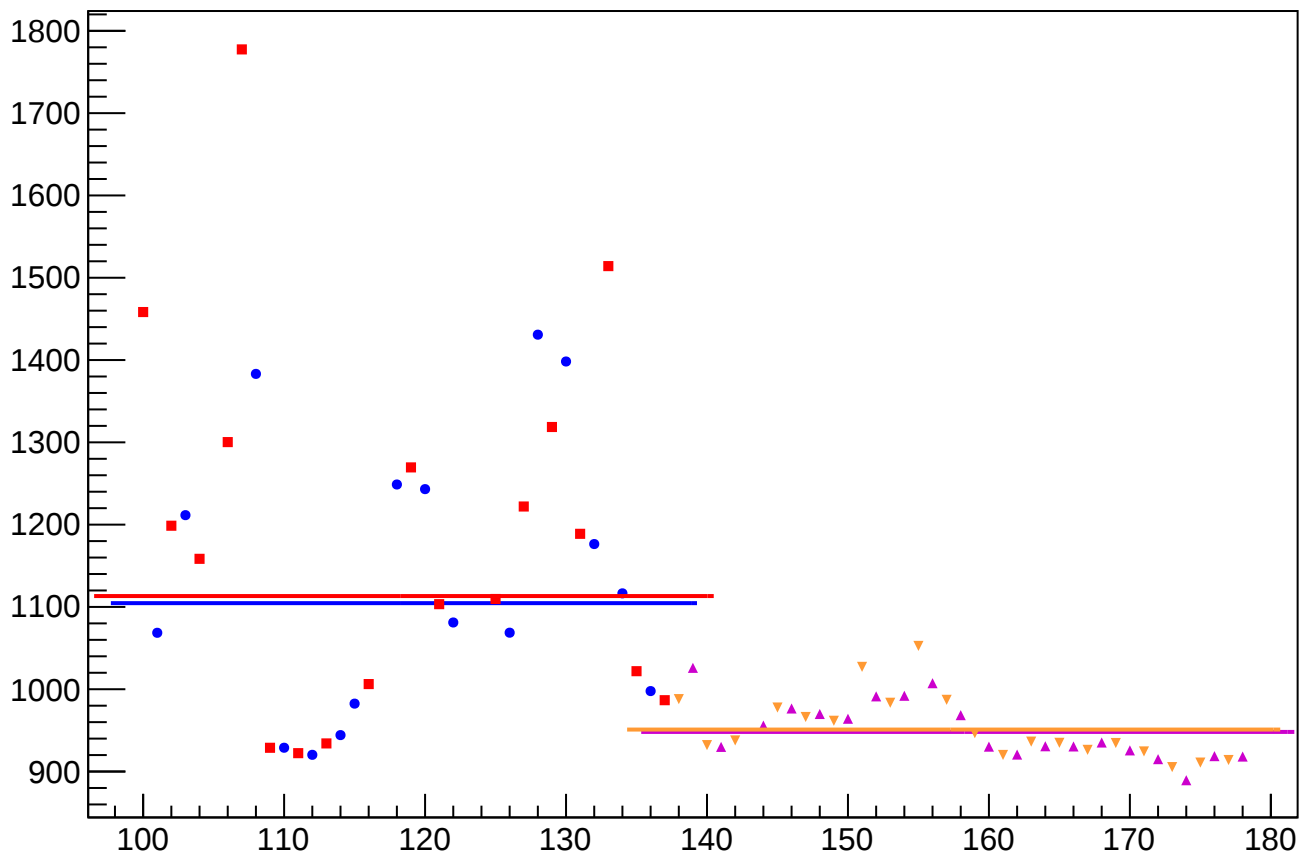
Left In: 395.456 ± 240.411 χ^2/NDF : 18.6/19

+ sign 280.584 ± 212.726 χ^2/NDF : 52.3/35

All: 355.674 ± 149.268 χ^2/NDF : 79.3/73

- sign 428.508 ± 209.505 χ^2/NDF : 26.8/37

asym_us_dd_rms vs Slug



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

Left Out: 950.989 $\pm$ 0.173 χ^2 /NDF: 47093.4/19

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

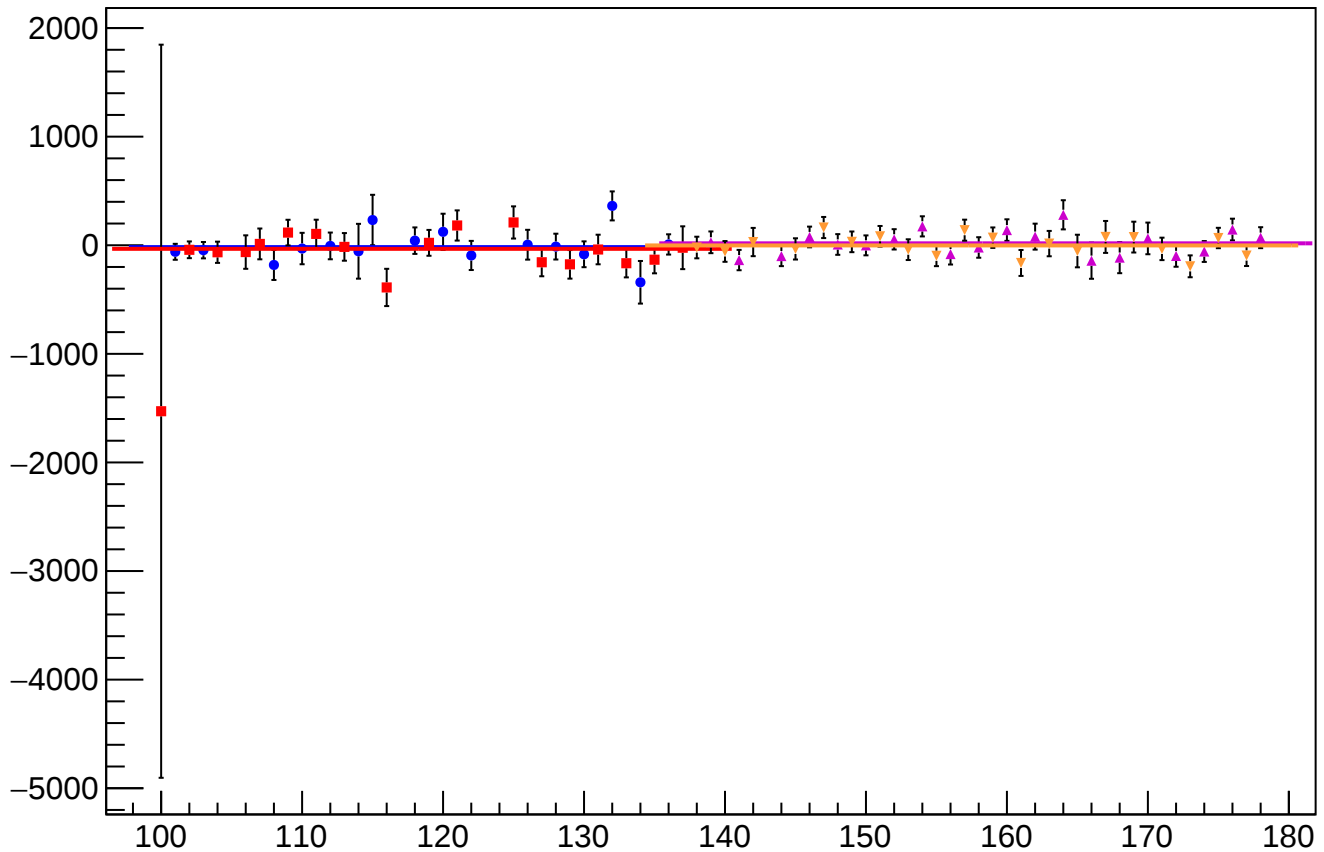
Left In: 948.124 $\pm$ 0.170 χ^2 /NDF: 40439.0/19

+ sign 987.931 $\pm$ 0.150 χ^2 /NDF: 493064.3/35

All: 987.886 $\pm$ 0.106 χ^2 /NDF: 1123388.6/73

- sign 987.843 $\pm$ 0.148 χ^2 /NDF: 630324.1/37

reg_asym_ds_avg_mean vs Slug



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

Left Out: -1.609 ± 23.334 χ^2/NDF : 15.9/19

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

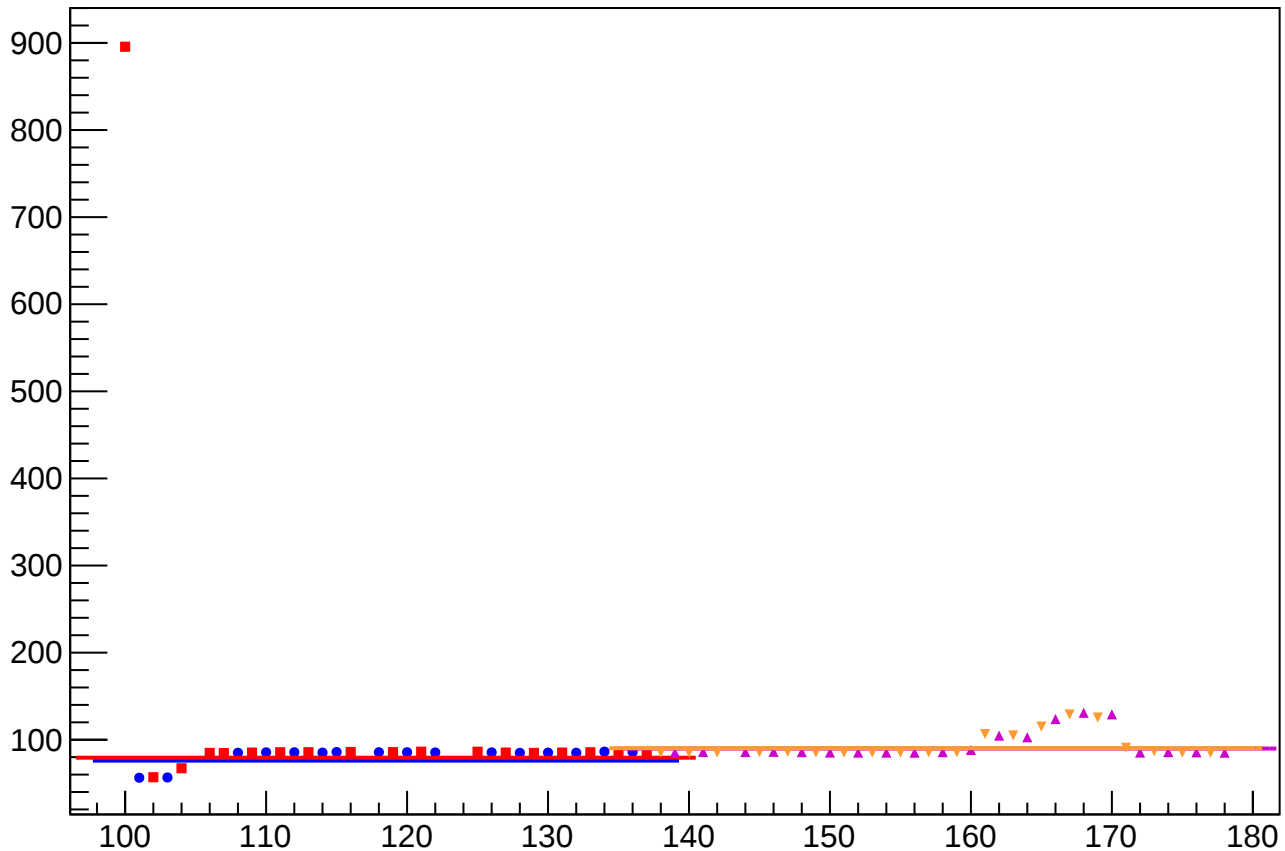
Left In: 17.697 ± 22.972 χ^2/NDF : 20.3/19

+ sign -7.503 ± 18.416 χ^2/NDF : 31.6/35

All: -4.064 ± 12.994 χ^2/NDF : 70.3/73

- sign -0.655 ± 18.338 χ^2/NDF : 38.6/37

reg_asym_ds_avg_rms vs Slug



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

Left Out: 90.248 $\pm$ 0.016 χ^2 /NDF: 452405.5/19

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

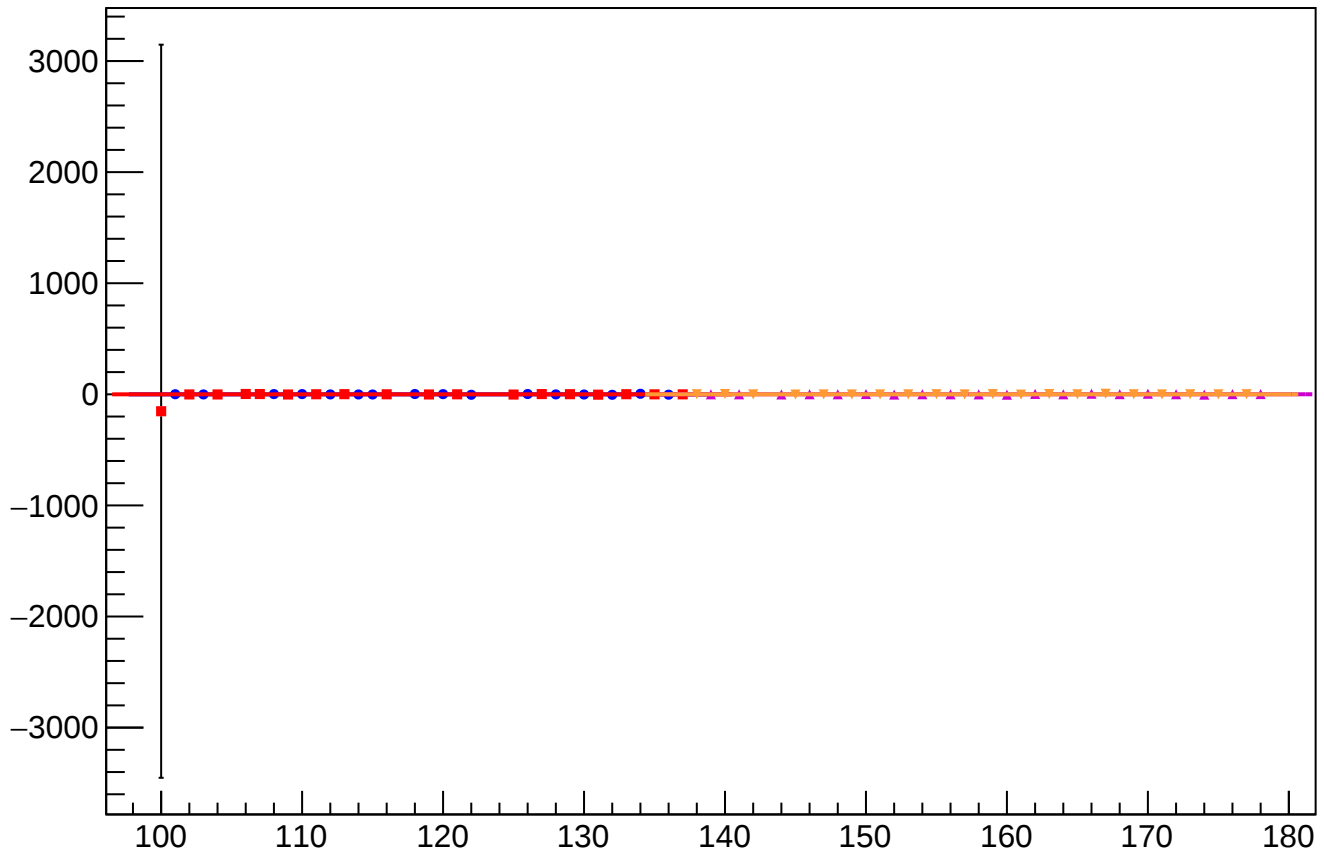
Left In: 89.899 $\pm$ 0.016 χ^2 /NDF: 499688.4/19

+ sign 84.905 $\pm$ 0.013 χ^2 /NDF: 1139699.3/35

All: 85.498 $\pm$ 0.009 χ^2 /NDF: 2173894.2/73

- sign 86.087 $\pm$ 0.013 χ^2 /NDF: 1030059.6/37

asym_ds_avg_correction_mean vs Slug



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

Left Out: 0.065 ± 0.404 χ^2/NDF : 13.4/19

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

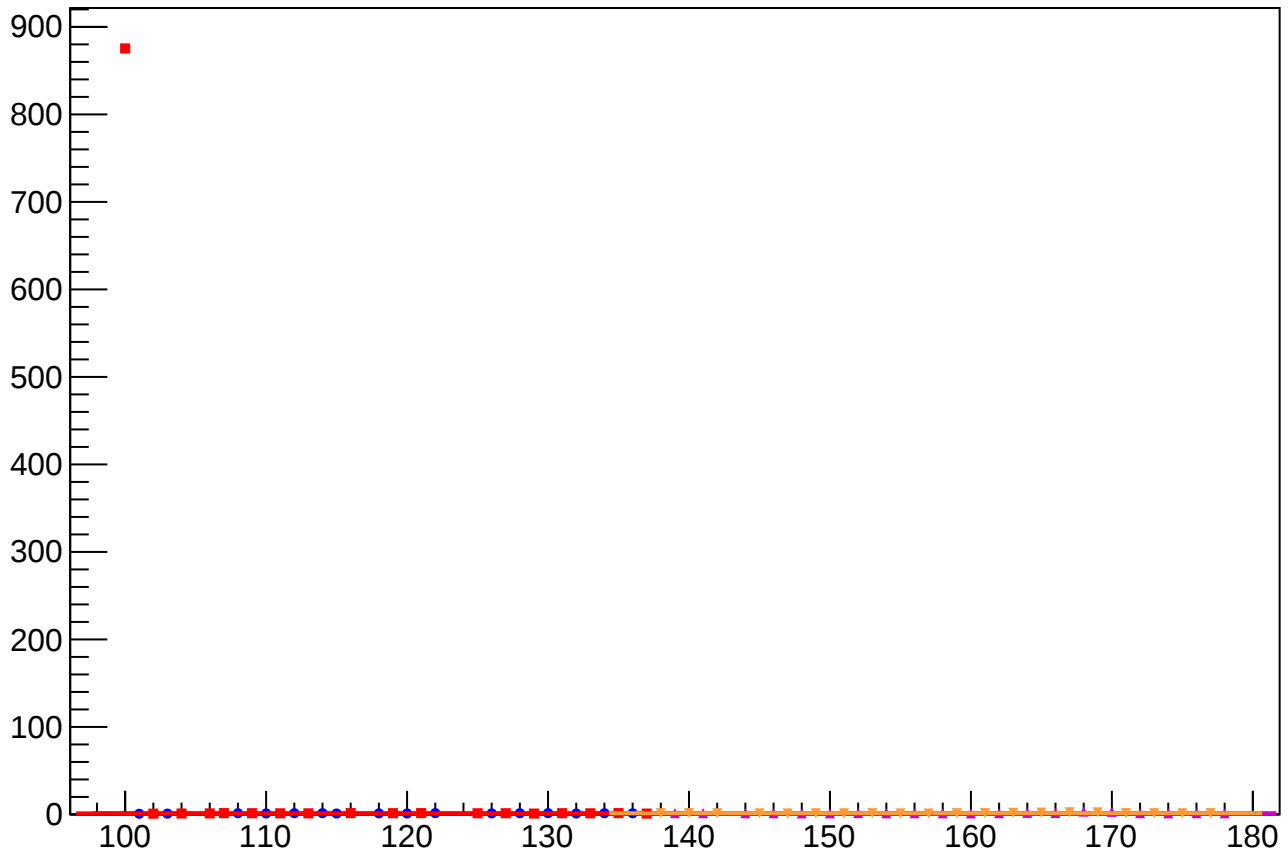
Left In: 0.429 ± 0.411 χ^2/NDF : 25.0/19

+ sign -0.071 ± 0.314 χ^2/NDF : 34.9/35

All: 0.078 ± 0.225 χ^2/NDF : 69.9/73

- sign 0.235 ± 0.322 χ^2/NDF : 34.6/37

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.390 $\pm$ 0.000 χ^2 /NDF: 907982.4/19

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

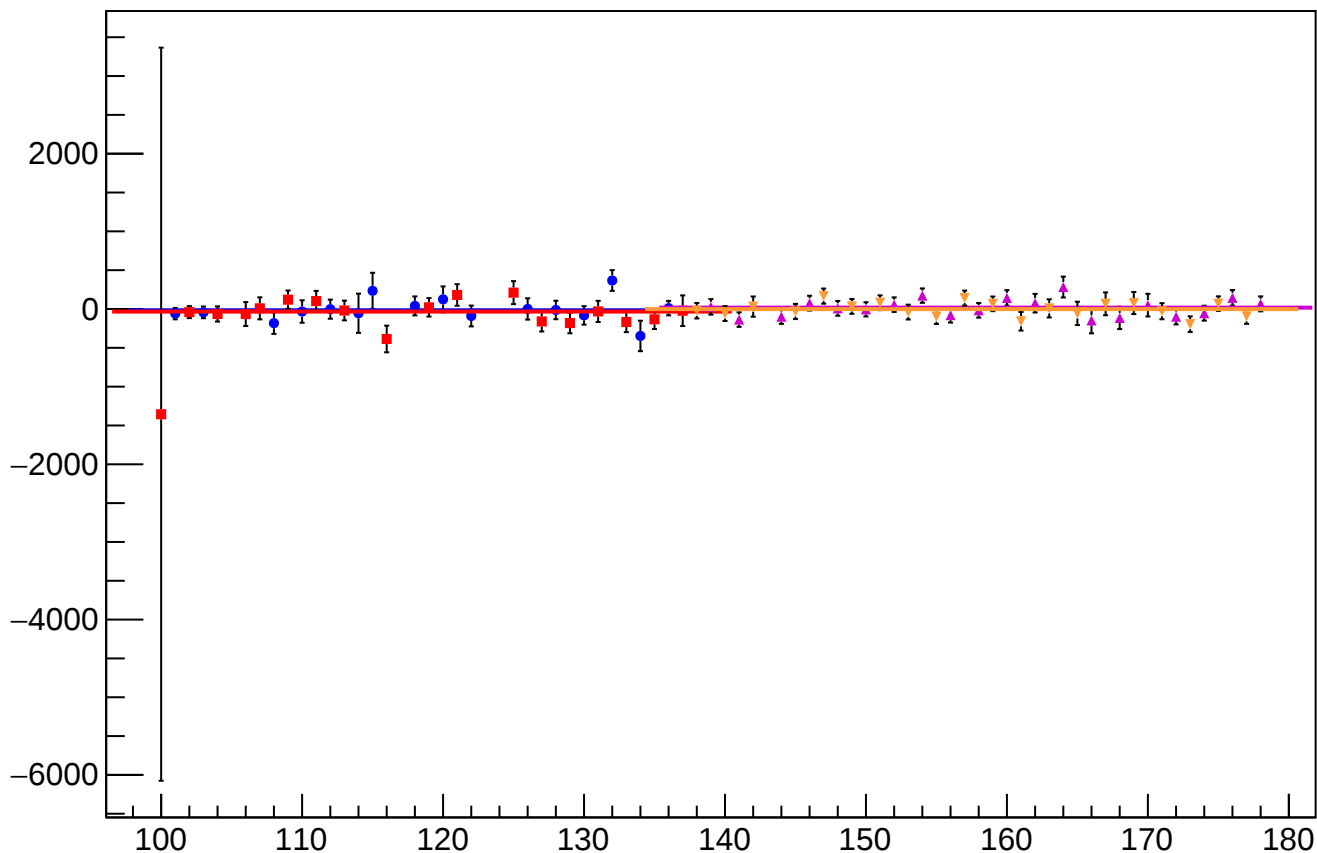
Left In: 1.457 $\pm$ 0.000 χ^2 /NDF: 992347.1/19

+ sign 1.297 $\pm$ 0.000 χ^2 /NDF: 1696017.6/35

All: 1.336 $\pm$ 0.000 χ^2 /NDF: 3468419.8/73

- sign 1.376 $\pm$ 0.000 χ^2 /NDF: 1709827.7/37

asym_ds_avg_mean vs Slug



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

Left Out: -1.683 ± 23.341 χ^2/NDF : 15.9/19

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

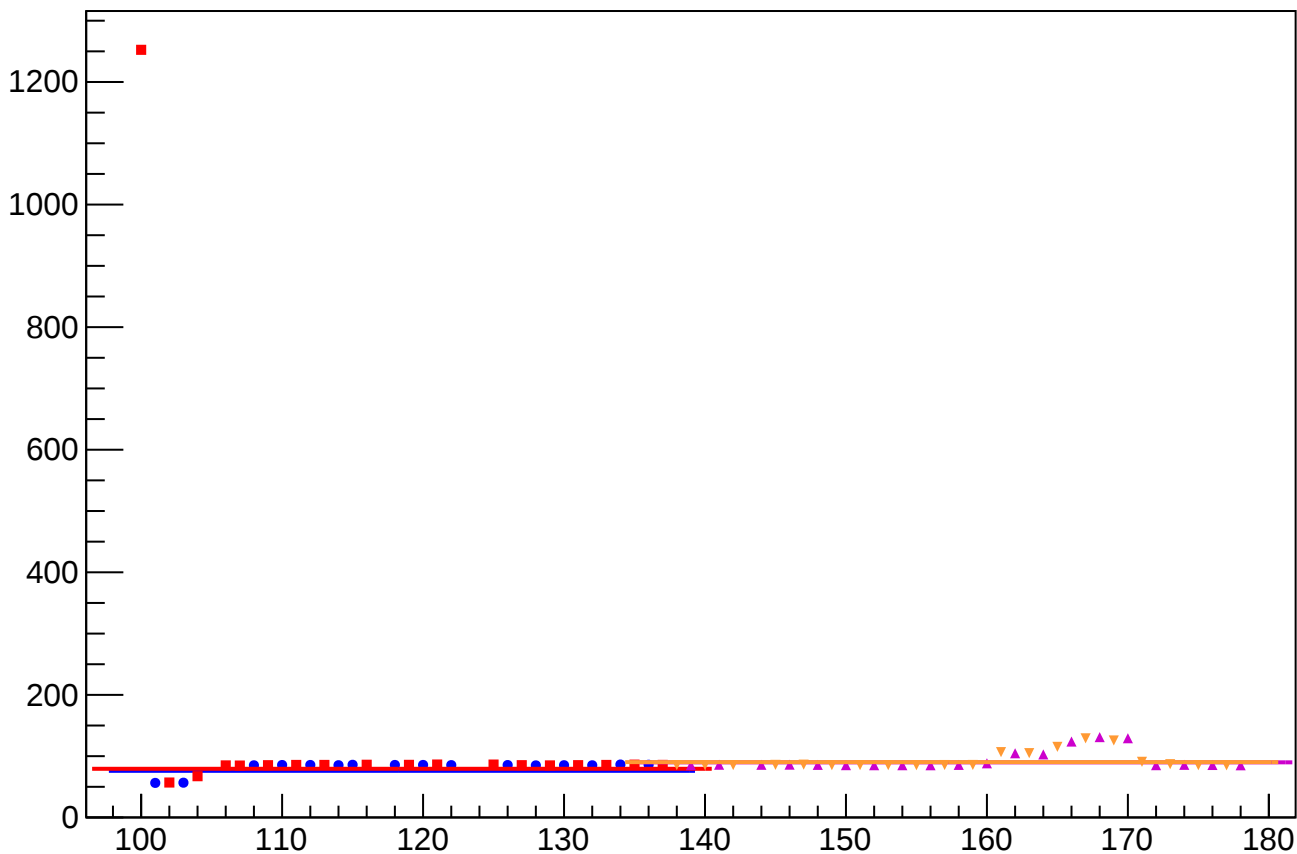
Left In: 17.389 ± 22.979 χ^2/NDF : 20.2/19

+ sign -7.200 ± 18.421 χ^2/NDF : 31.9/35

All: -4.053 ± 12.998 χ^2/NDF : 70.4/73

- sign -0.932 ± 18.343 χ^2/NDF : 38.5/37

asym_ds_avg_rms vs Slug



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

Left Out: 90.275+/-0.017 χ^2/NDF : 453146.3/19

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

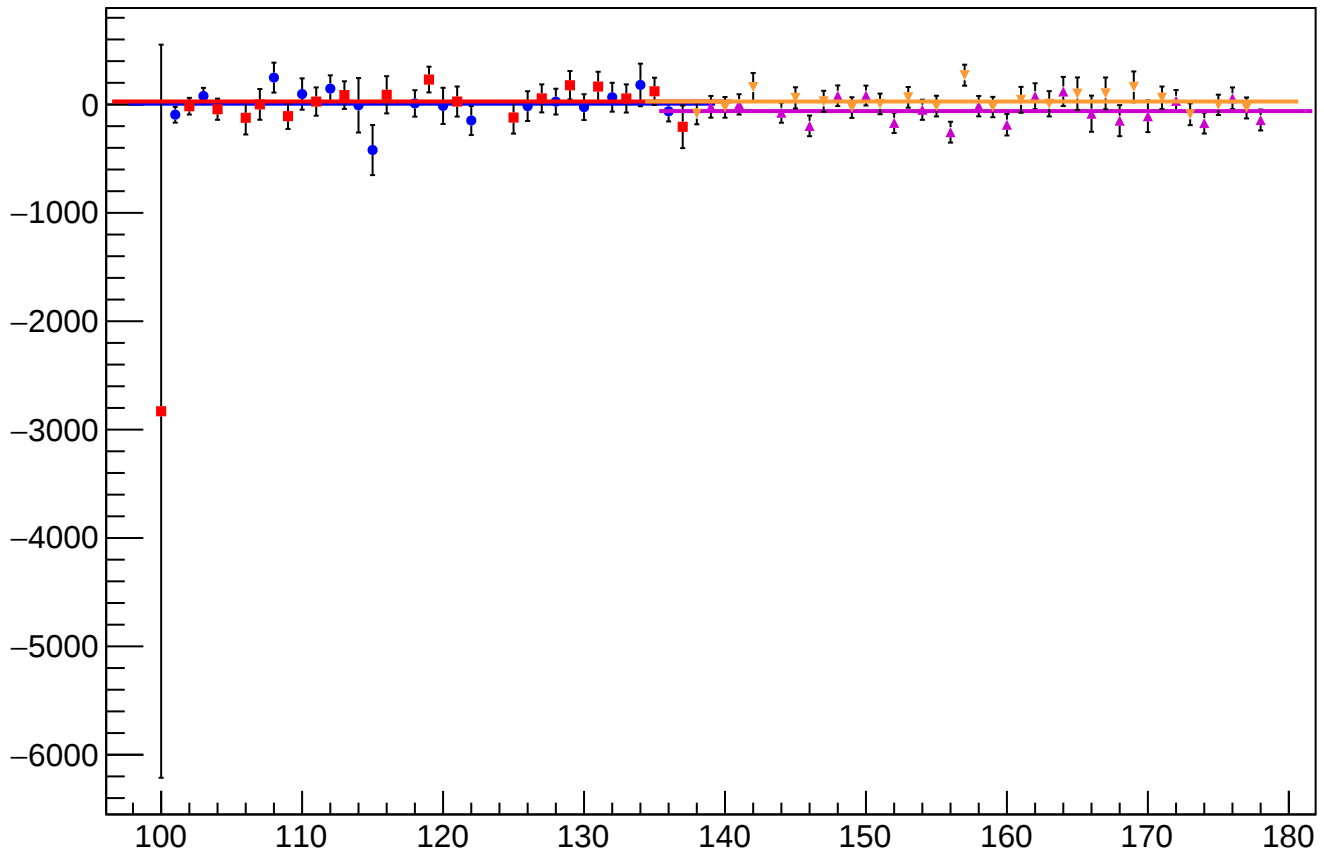
Left In: 89.925+/-0.016 χ^2/NDF : 500560.9/19

+ sign 84.929+/-0.013 χ^2/NDF : 1140576.6/35

All: 85.519+/-0.009 χ^2/NDF : 2182701.8/73

- sign 86.105+/-0.013 χ^2/NDF : 1038032.5/37

reg_asym_ds_dd_mean vs Slug



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

Left Out: 27.689 ± 23.337 χ^2/NDF : 13.5/19

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

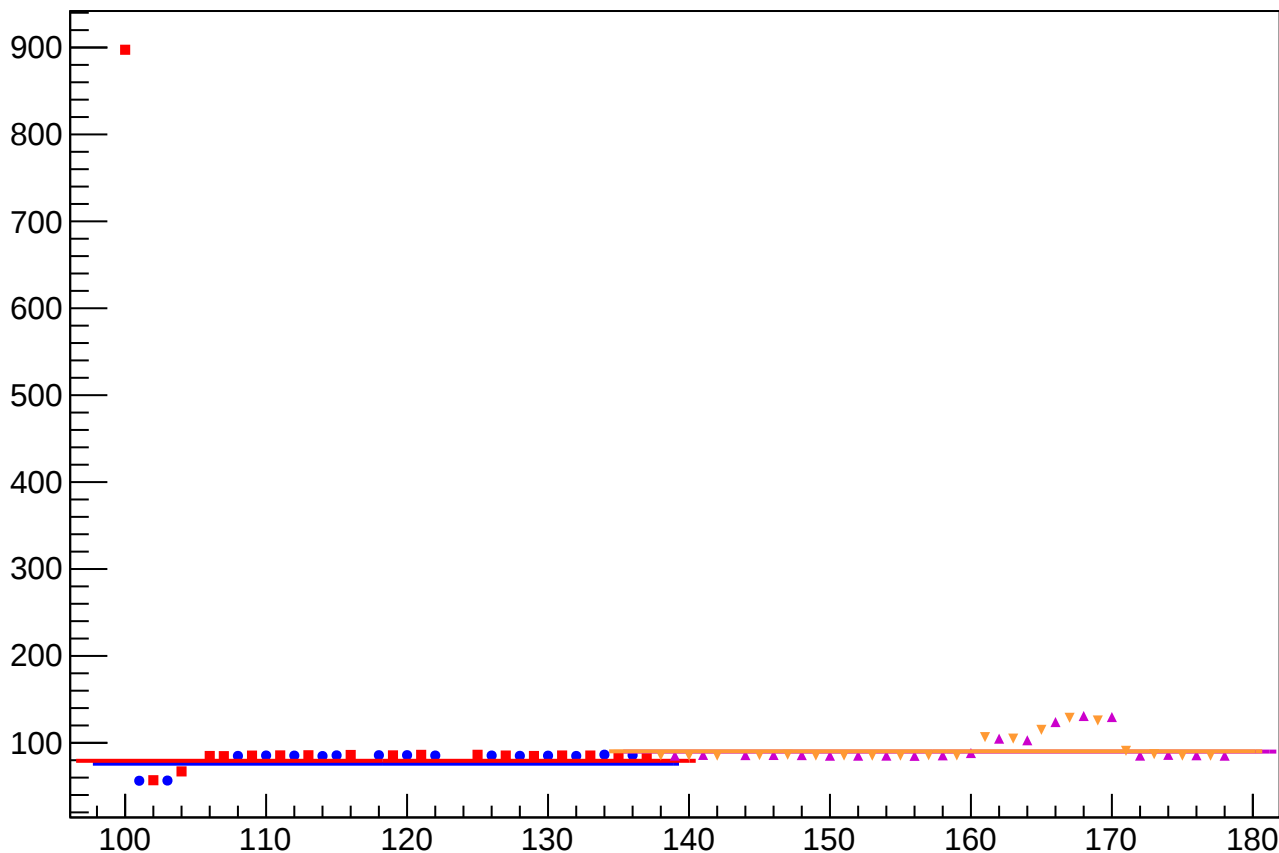
Left In: -60.861 ± 22.982 χ^2/NDF : 22.6/19

+ sign 20.053 ± 18.413 χ^2/NDF : 27.7/35

All: -4.377 ± 12.994 χ^2/NDF : 71.7/73

- sign -28.611 ± 18.339 χ^2/NDF : 40.5/37

reg_asym_ds_dd_rms vs Slug



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

Left Out: 90.264 $\pm$ 0.017 χ^2 /NDF: 451268.6/19

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

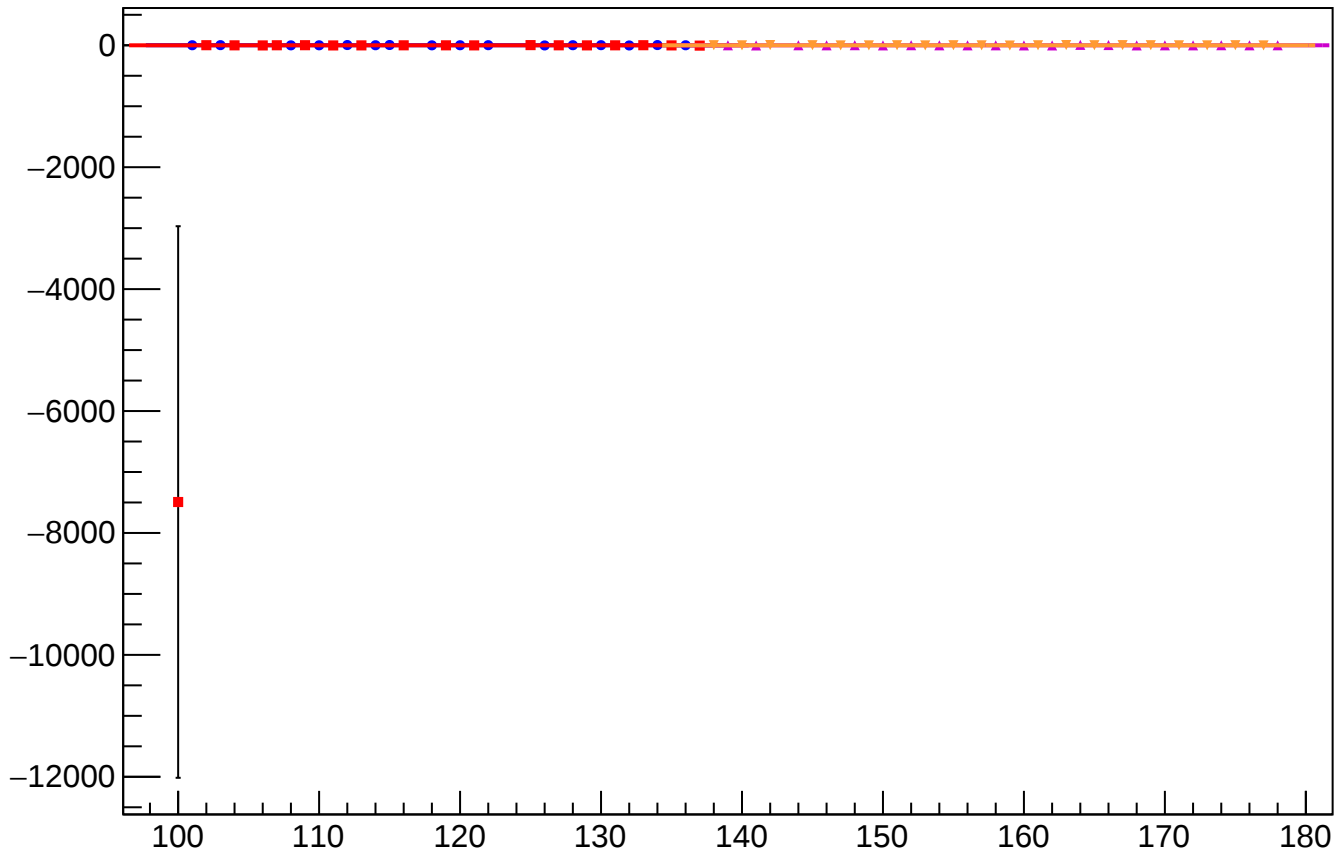
Left In: 89.934 $\pm$ 0.016 χ^2 /NDF: 502309.1/19

+ sign 84.891 $\pm$ 0.013 χ^2 /NDF: 1140960.1/35

All: 85.491 $\pm$ 0.009 χ^2 /NDF: 2180211.6/73

- sign 86.087 $\pm$ 0.013 χ^2 /NDF: 1035019.7/37

asym_ds_dd_correction_mean vs Slug



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

Left Out: -0.423 ± 0.416 χ^2/NDF : 18.6/19

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

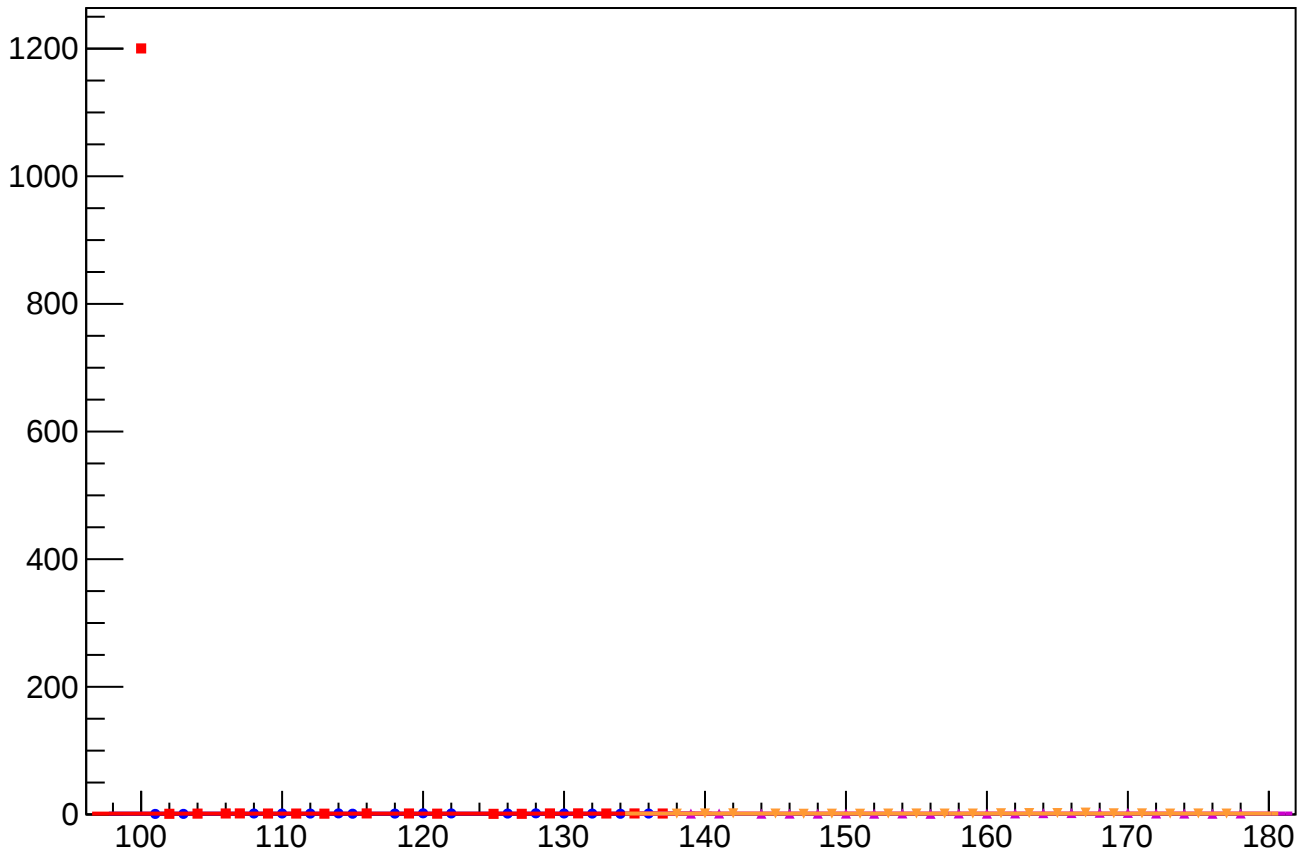
Left In: -0.045 ± 0.412 χ^2/NDF : 15.7/19

+ sign 0.082 ± 0.328 χ^2/NDF : 34.4/35

All: -0.029 ± 0.232 χ^2/NDF : 63.2/73

- sign -0.142 ± 0.329 χ^2/NDF : 28.5/37

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.442 $\pm$ 0.000 χ^2 /NDF: 1049072.7/19

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

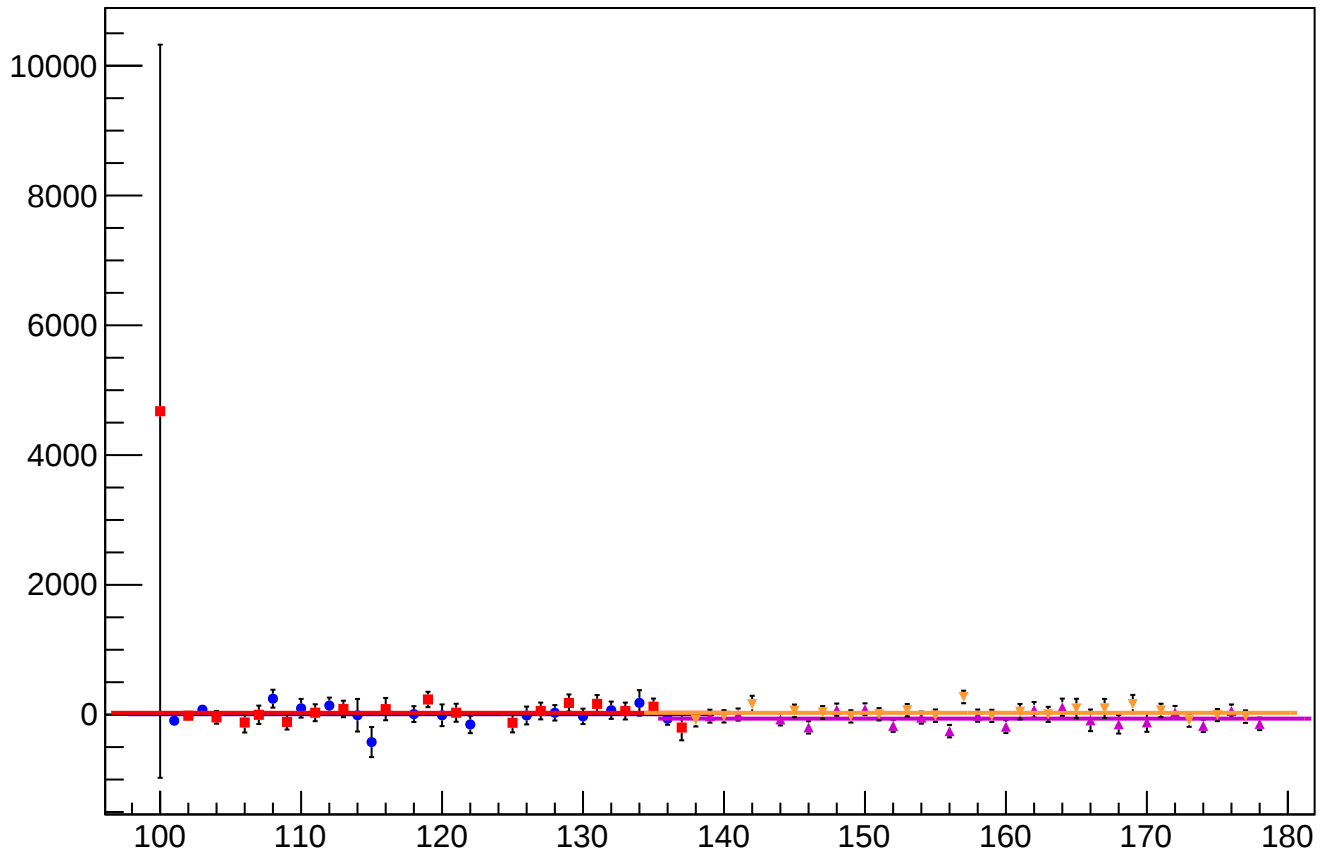
Left In: 1.447 $\pm$ 0.000 χ^2 /NDF: 999445.2/19

+ sign 1.364 $\pm$ 0.000 χ^2 /NDF: 1889495.1/35

All: 1.382 $\pm$ 0.000 χ^2 /NDF: 3494380.9/73

- sign 1.401 $\pm$ 0.000 χ^2 /NDF: 1592805.8/37

asym_ds_dd_mean vs Slug



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

Left Out: 28.322 ± 23.345 χ^2/NDF : 13.4/19

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

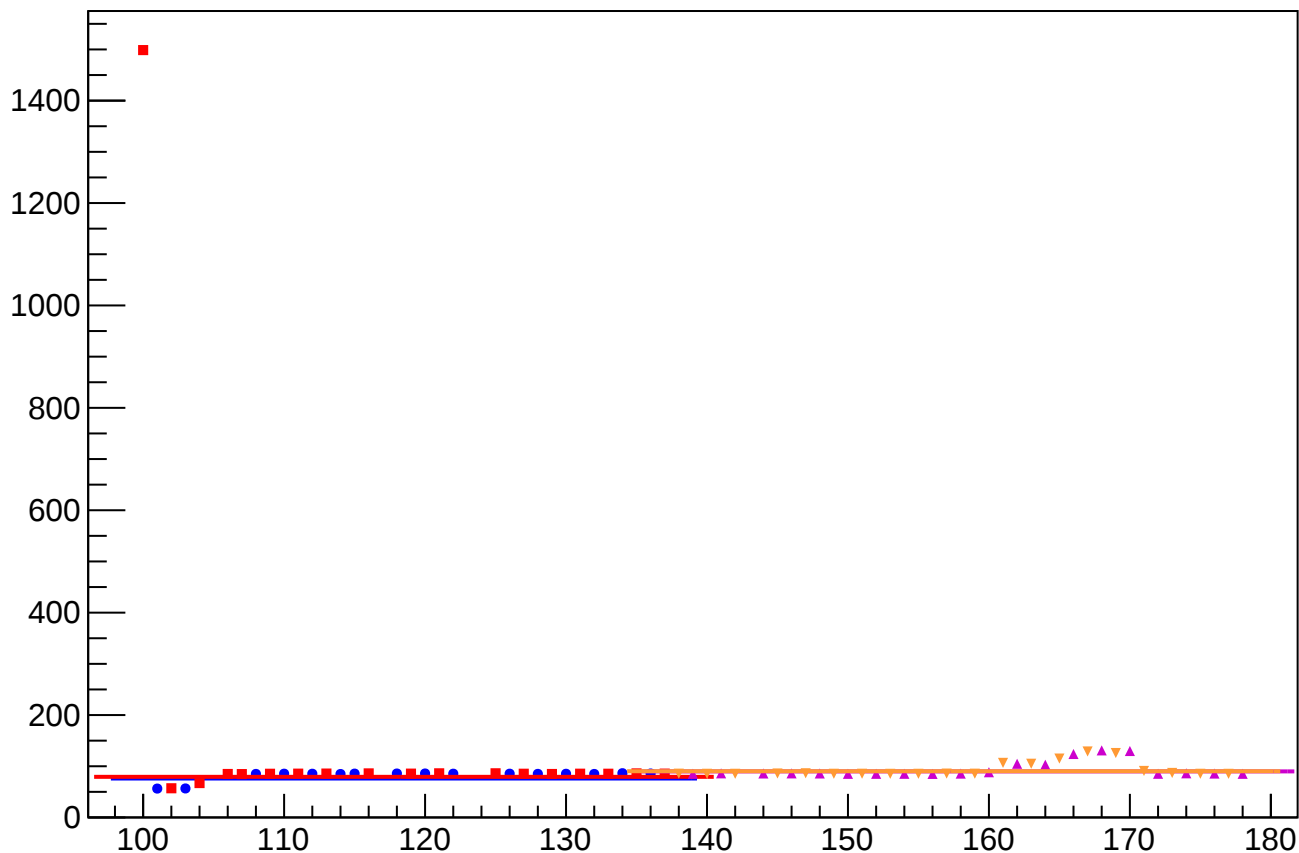
Left In: -61.304 ± 22.989 χ^2/NDF : 22.2/19

+ sign 20.190 ± 18.418 χ^2/NDF : 27.5/35

All: -4.335 ± 12.998 χ^2/NDF : 71.5/73

- sign -28.663 ± 18.345 χ^2/NDF : 40.5/37

asym_ds_dd_rms vs Slug



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

Left Out: 90.290 $\pm$ 0.017 χ^2 /NDF: 452017.8/19

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

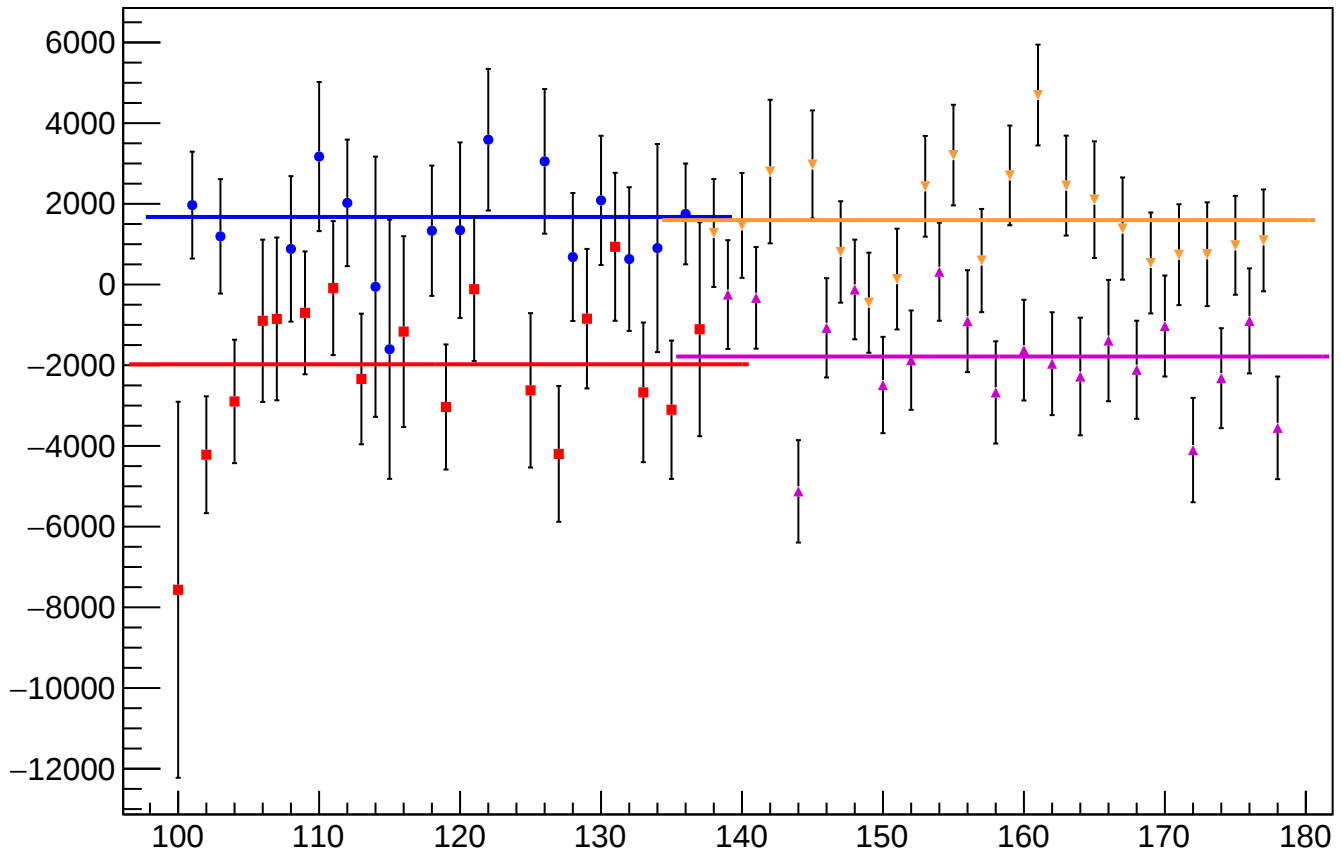
Left In: 89.961 $\pm$ 0.016 χ^2 /NDF: 503112.6/19

+ sign 84.915 $\pm$ 0.013 χ^2 /NDF: 1141833.3/35

All: 85.511 $\pm$ 0.009 χ^2 /NDF: 2191871.1/73

- sign 86.102 $\pm$ 0.013 χ^2 /NDF: 1045867.3/37

reg_asym_usl_mean vs Slug



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

Left Out: 1596.589 $\pm$ 287.800 χ^2 /NDF:18.4/19

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

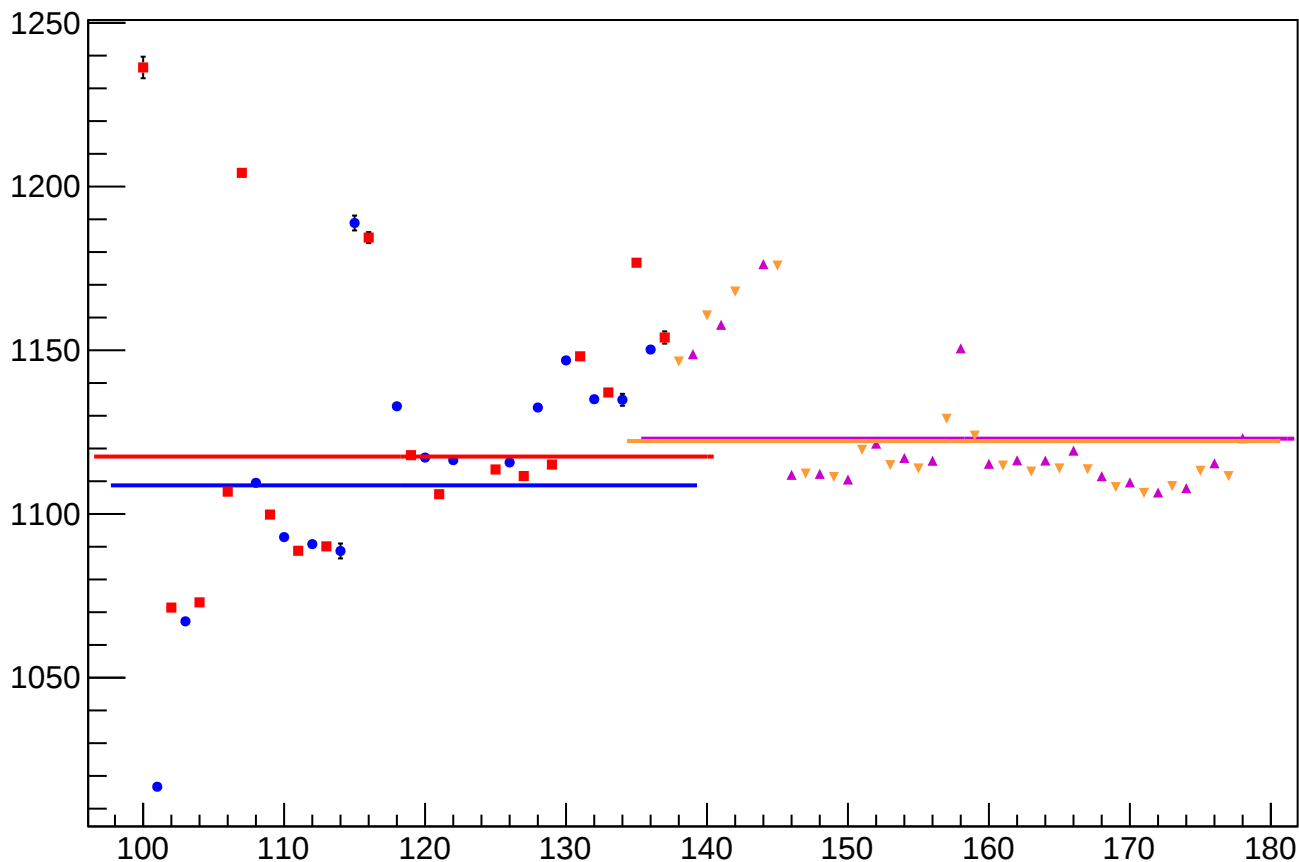
Left In: -1784.165 $\pm$ 284.556 χ^2 /NDF:22.5/19

+ sign 1620.799 $\pm$ 239.275 χ^2 /NDF: 23.6/35

All: -135.542 $\pm$ 168.023 χ^2 /NDF: 166.5/73

- sign -1844.139 $\pm$ 236.001 χ^2 /NDF: 36.6/37

reg_asym_usl_rms vs Slug



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

Left Out: 1122.277 $\pm$ 0.204 χ^2 /NDF: 8830.4/19

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

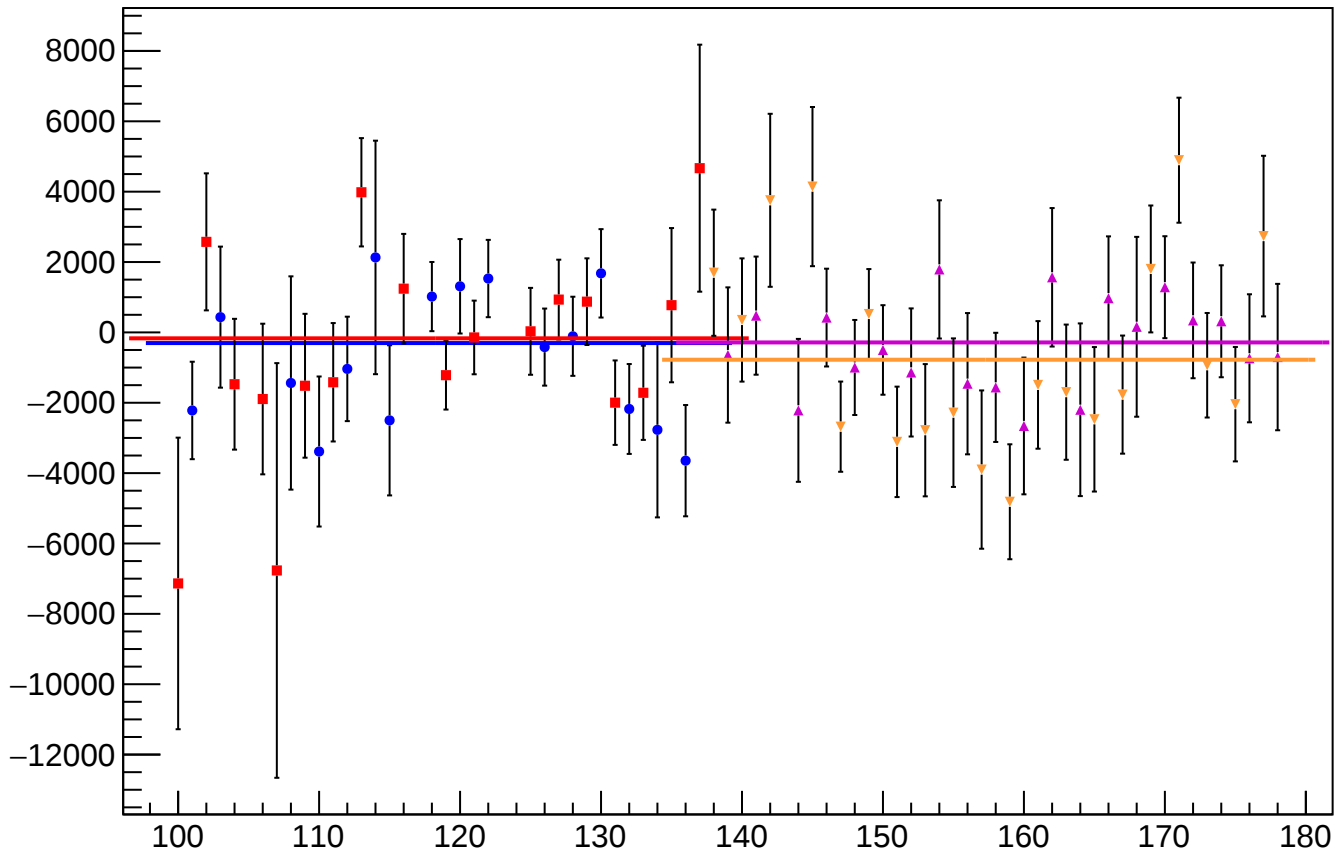
Left In: 1123.007 $\pm$ 0.201 χ^2 /NDF: 8646.8/19

+ sign 1118.097 $\pm$ 0.169 χ^2 /NDF: 28277.6/35

All: 1119.721 $\pm$ 0.119 χ^2 /NDF: 52851.8/73

- sign 1121.300 $\pm$ 0.167 χ^2 /NDF: 24392.5/37

asym_usl_correction_mean vs Slug



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

Left Out: -777.064+/-391.680 χ^2/NDF : 42.2/19

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

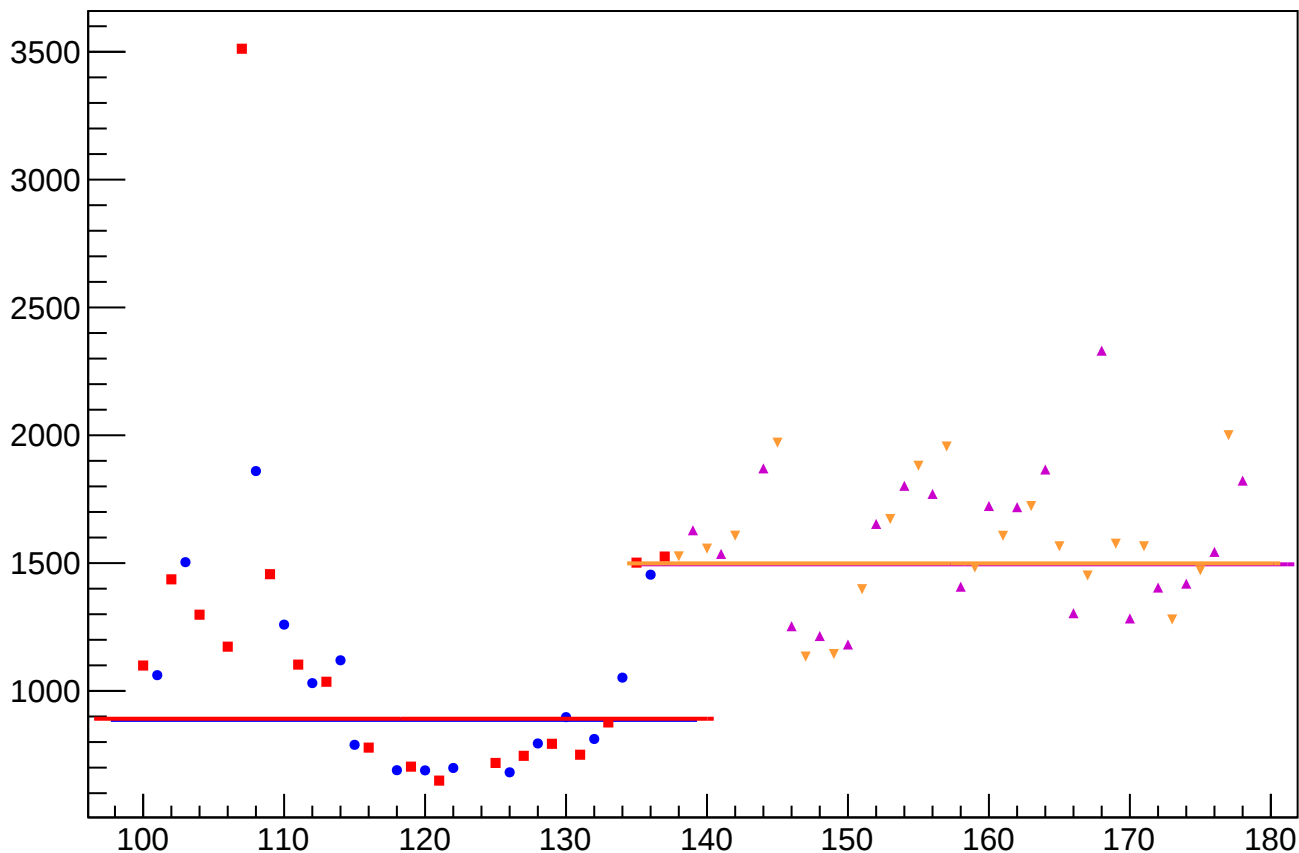
Left In: -285.352+/-385.892 χ^2/NDF : 9.2/19

+ sign -520.314+/-265.079 χ^2/NDF : 65.3/35

All: -369.504+/-186.253 χ^2/NDF : 100.0/73

- sign -222.453+/-261.754 χ^2/NDF : 34.1/37

asym_usl_correction_rms vs Slug



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

Left Out: 1498.977+/-0.277 χ^2/NDF : 768031.3/19

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

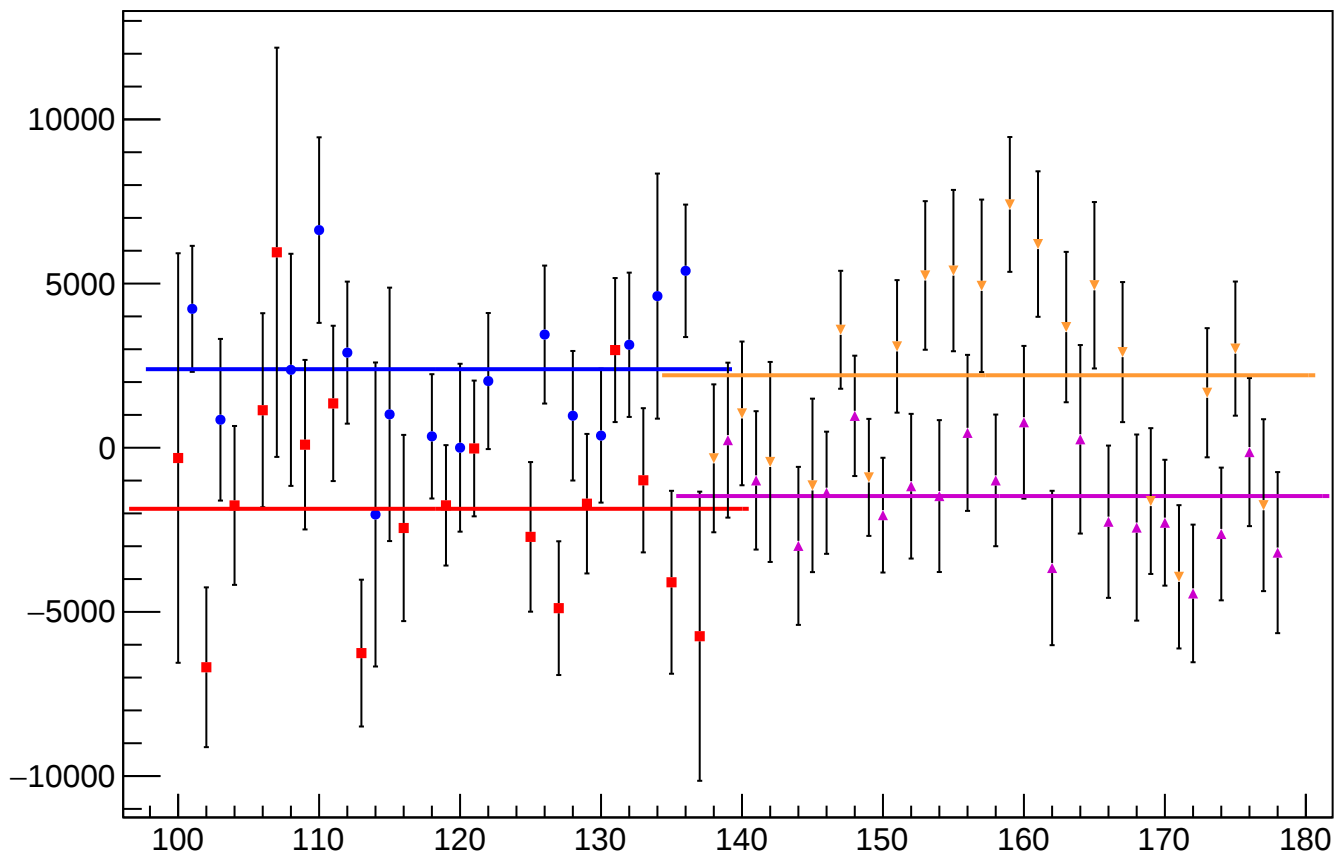
Left In: 1495.242+/-0.273 χ^2/NDF : 896217.4/19

+ sign 1167.132+/-0.187 χ^2/NDF : 4477737.2/35

All: 1168.139+/-0.132 χ^2/NDF : 9433947.3/73

- sign 1169.121+/-0.185 χ^2/NDF : 4956153.1/37

asym_usl_mean vs Slug



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

Left Out: 2207.153 $\pm$ 494.058 χ^2 /NDF: 37.1/19

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

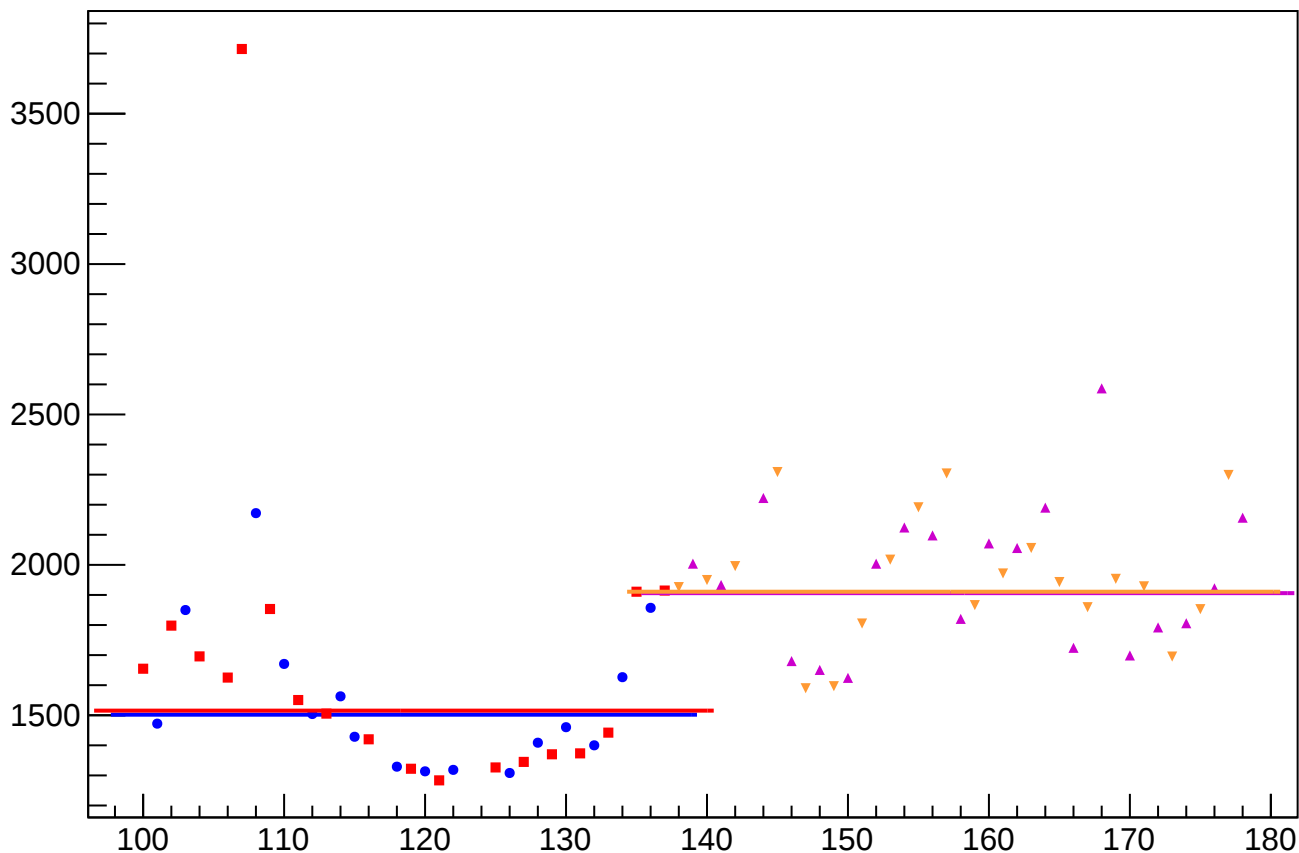
Left In: -1471.664 $\pm$ 487.063 χ^2 /NDF: 9.3/19

+ sign 2283.657 $\pm$ 378.523 χ^2 /NDF: 48.3/35

All: 301.736 $\pm$ 265.976 χ^2 /NDF: 134.5/73

- sign -1631.200 $\pm$ 373.815 χ^2 /NDF: 32.1/37

asym_usl_rms vs Slug



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

Left Out: 1910.733+/-0.349 χ^2/NDF : 336918.1/19

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

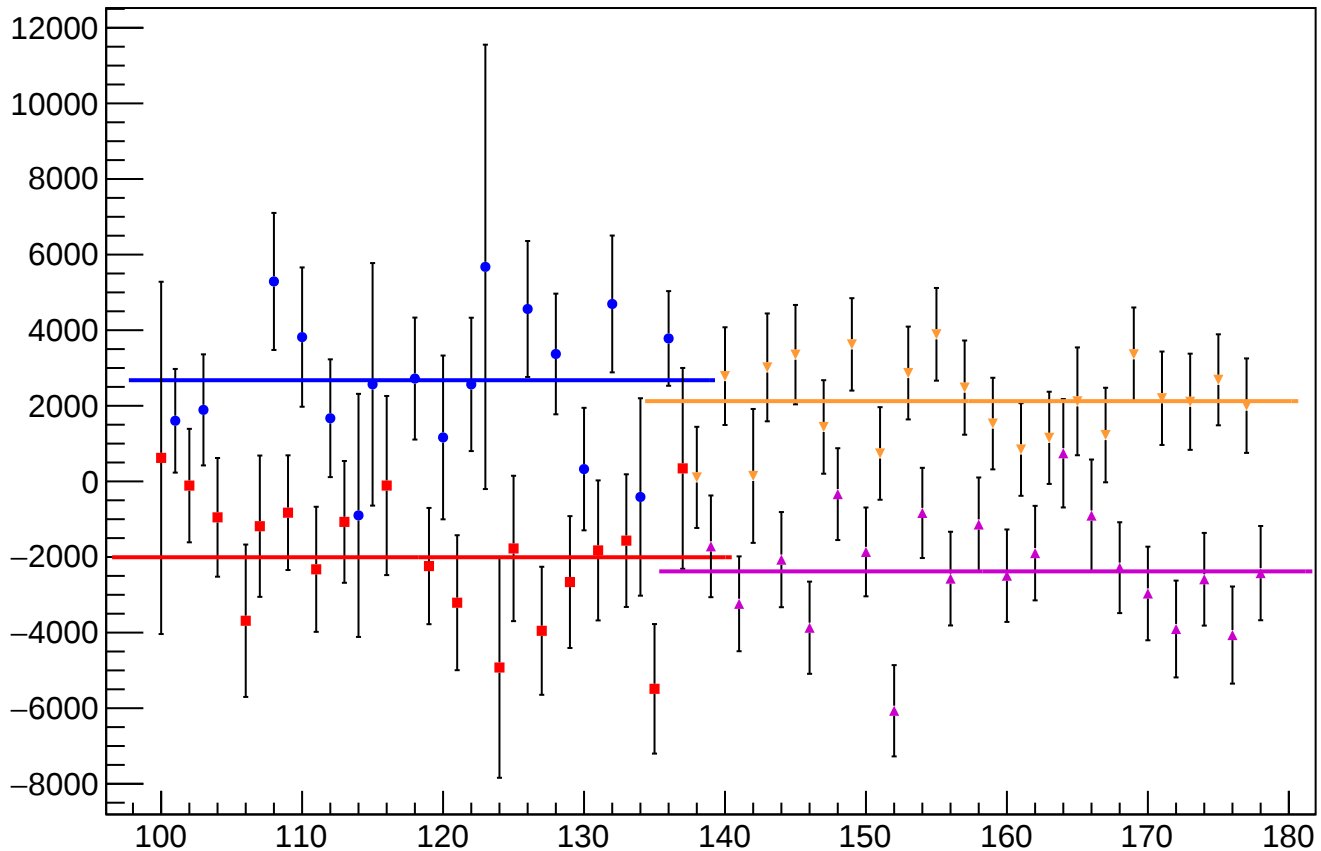
Left In: 1905.977+/-0.344 χ^2/NDF : 417752.6/19

+ sign 1741.894+/-0.268 χ^2/NDF : 1156994.8/35

All: 1743.703+/-0.188 χ^2/NDF : 2583117.3/73

- sign 1745.468+/-0.264 χ^2/NDF : 1426032.3/37

reg_asym_usr_mean vs Slug



Right In: 2676.683+/-433.582 χ^2/NDF : 12.6/16

Left Out: 2123.178+/-278.273 χ^2/NDF : 14.4/20

Right Out: -2006.577+/-419.165 χ^2/NDF : 12.8/18

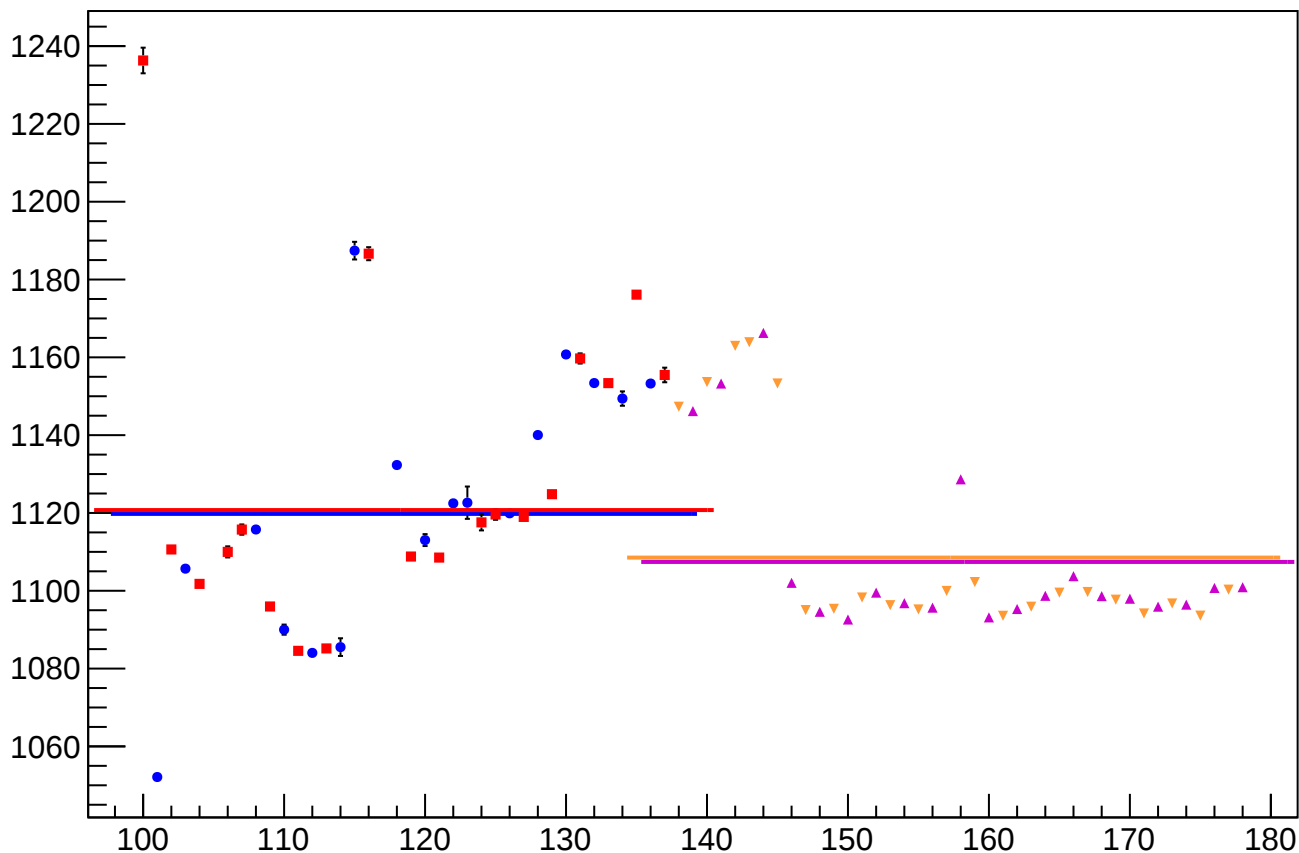
Left In: -2380.378+/-280.617 χ^2/NDF : 26.6/19

+ sign 2284.657+/-234.190 χ^2/NDF : 28.1/37

All: 0.205+/-165.241 χ^2/NDF : 257.6/76

- sign -2264.693+/-233.185 χ^2/NDF : 40.0/38

reg_asym_usr_rms vs Slug



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

Left Out: 1108.529 $\pm$ 0.197 χ^2 /NDF:14209.8/20

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

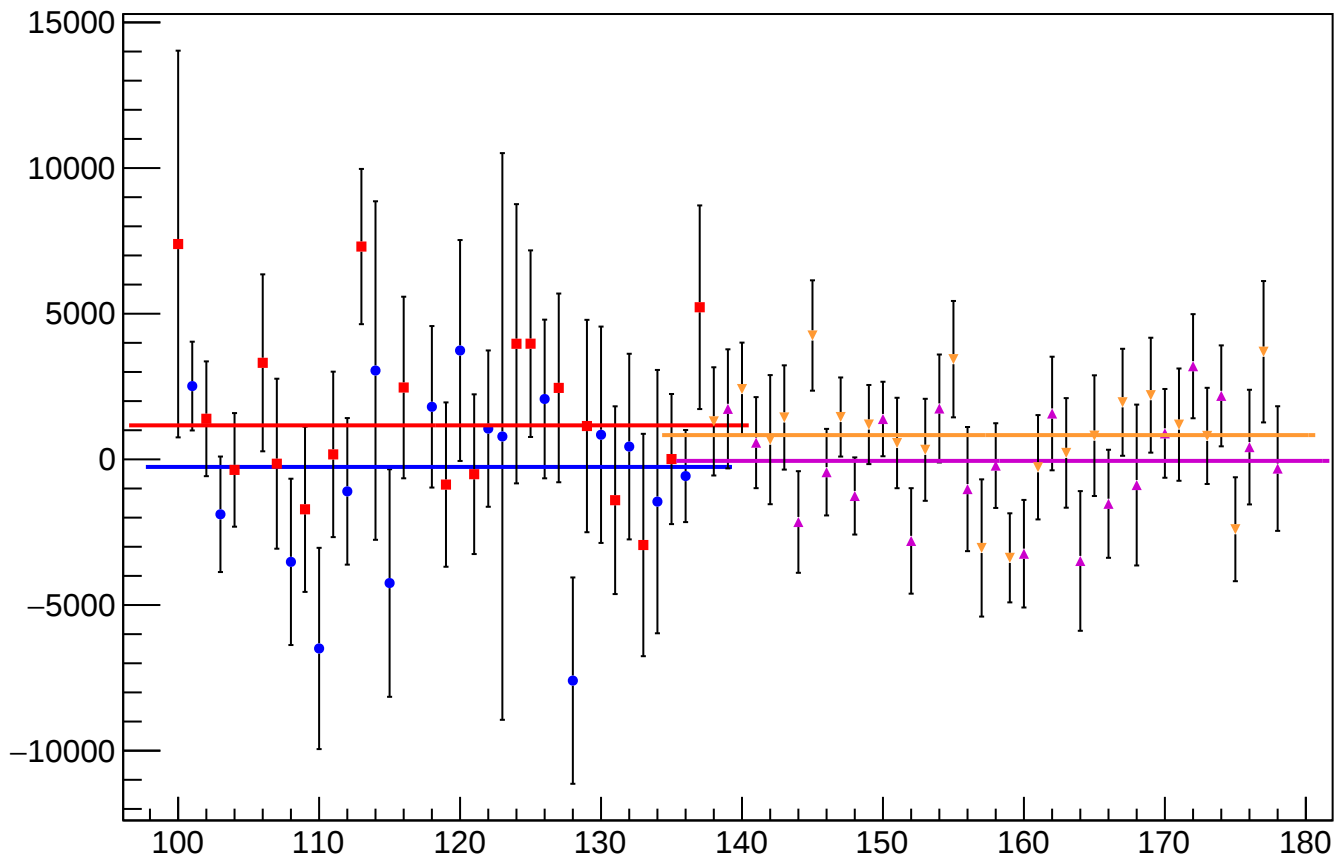
Left In: 1107.411 $\pm$ 0.198 χ^2 /NDF:11490.9/19

+ sign 1111.806 $\pm$ 0.166 χ^2 /NDF: 27037.4/37

All: 1111.672 $\pm$ 0.117 χ^2 /NDF: 49861.4/76

- sign 1111.538 $\pm$ 0.165 χ^2 /NDF: 22822.7/38

asym_usr_correction_mean vs Slug



Right In: -259.821 ± 655.275 $\chi^2/\text{NDF}: 17.2/16$

Left Out: 833.023 ± 387.386 $\chi^2/\text{NDF}: 22.9/20$

Right Out: 1167.598 ± 662.428 $\chi^2/\text{NDF}: 14.4/18$

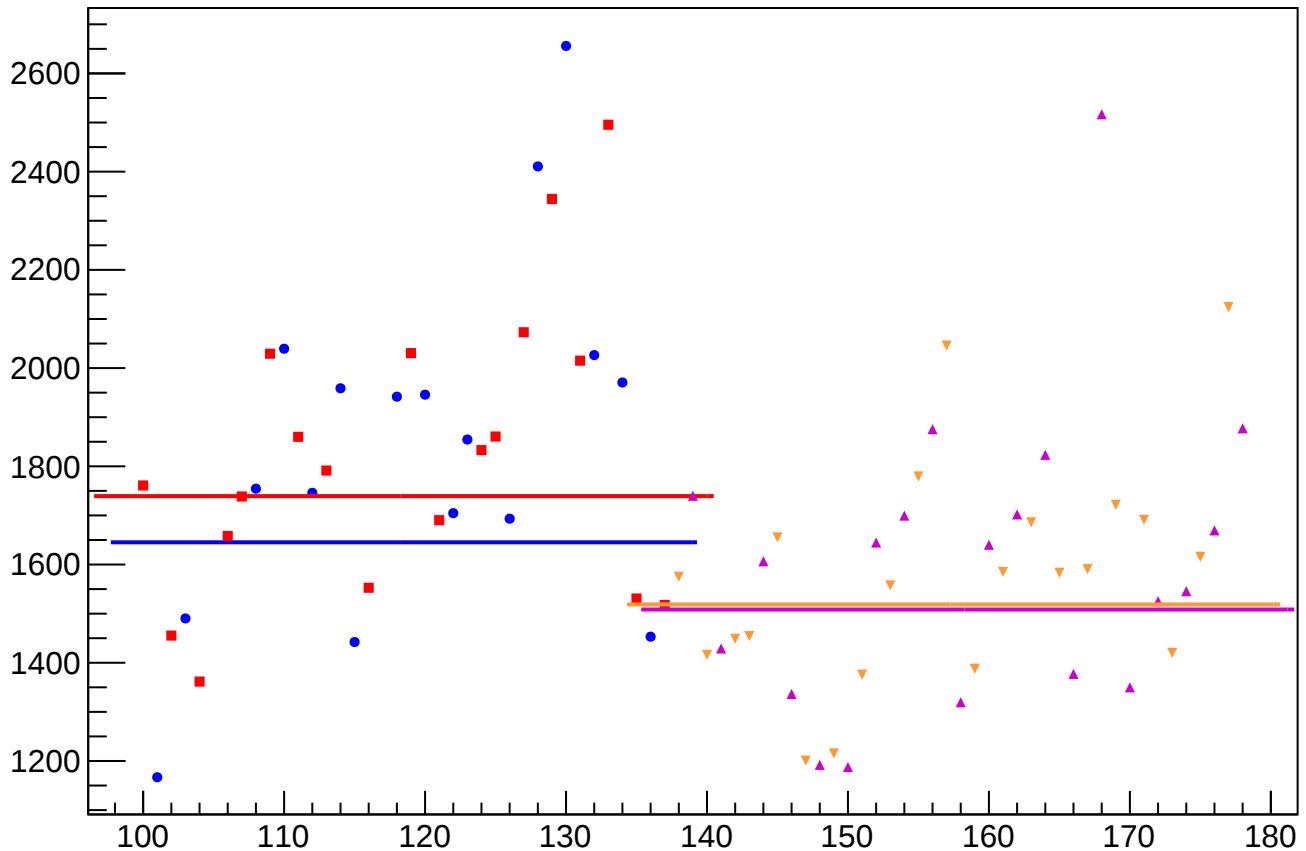
Left In: -52.152 ± 389.031 $\chi^2/\text{NDF}: 19.9/19$

+ sign 549.997 ± 333.471 $\chi^2/\text{NDF}: 42.1/37$

All: 406.184 ± 236.499 $\chi^2/\text{NDF}: 79.3/76$

- sign 260.651 ± 335.459 $\chi^2/\text{NDF}: 36.8/38$

asym_usr_correction_rms vs Slug



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

Left Out: 1518.788 $\pm$ 0.274 χ^2 /NDF: 599701.8/20

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

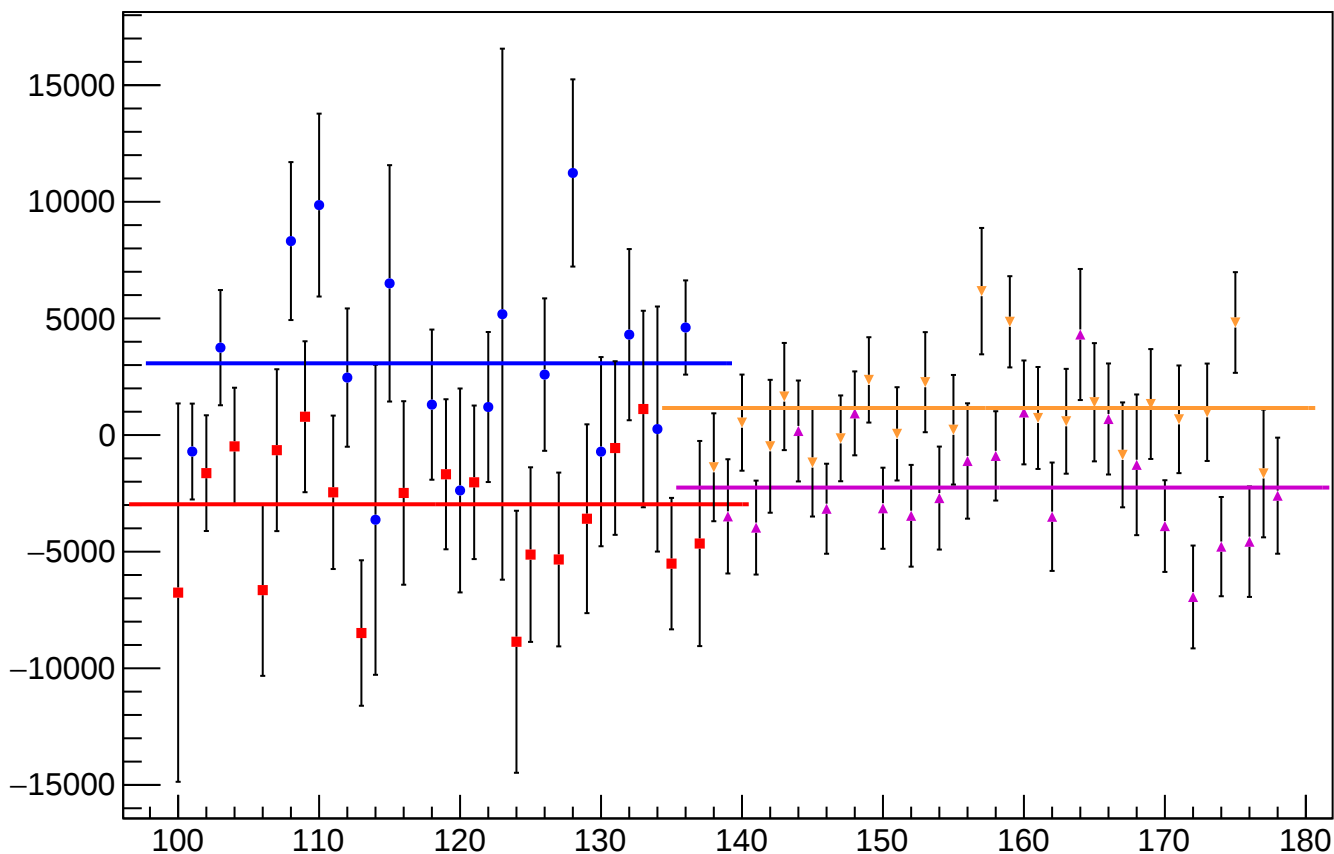
Left In: 1508.410 $\pm$ 0.275 χ^2 /NDF: 866503.3/19

+ sign 1551.554 $\pm$ 0.236 χ^2 /NDF: 1255865.3/37

All: 1559.550 $\pm$ 0.167 χ^2 /NDF: 2676488.4/70

- sign 1567.642 $\pm$ 0.237 χ^2 /NDF: 1418309.4/38

asym_usr_mean vs Slug



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

Left Out: 1159.521+/-484.000 χ^2/NDF : 16.3/20

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

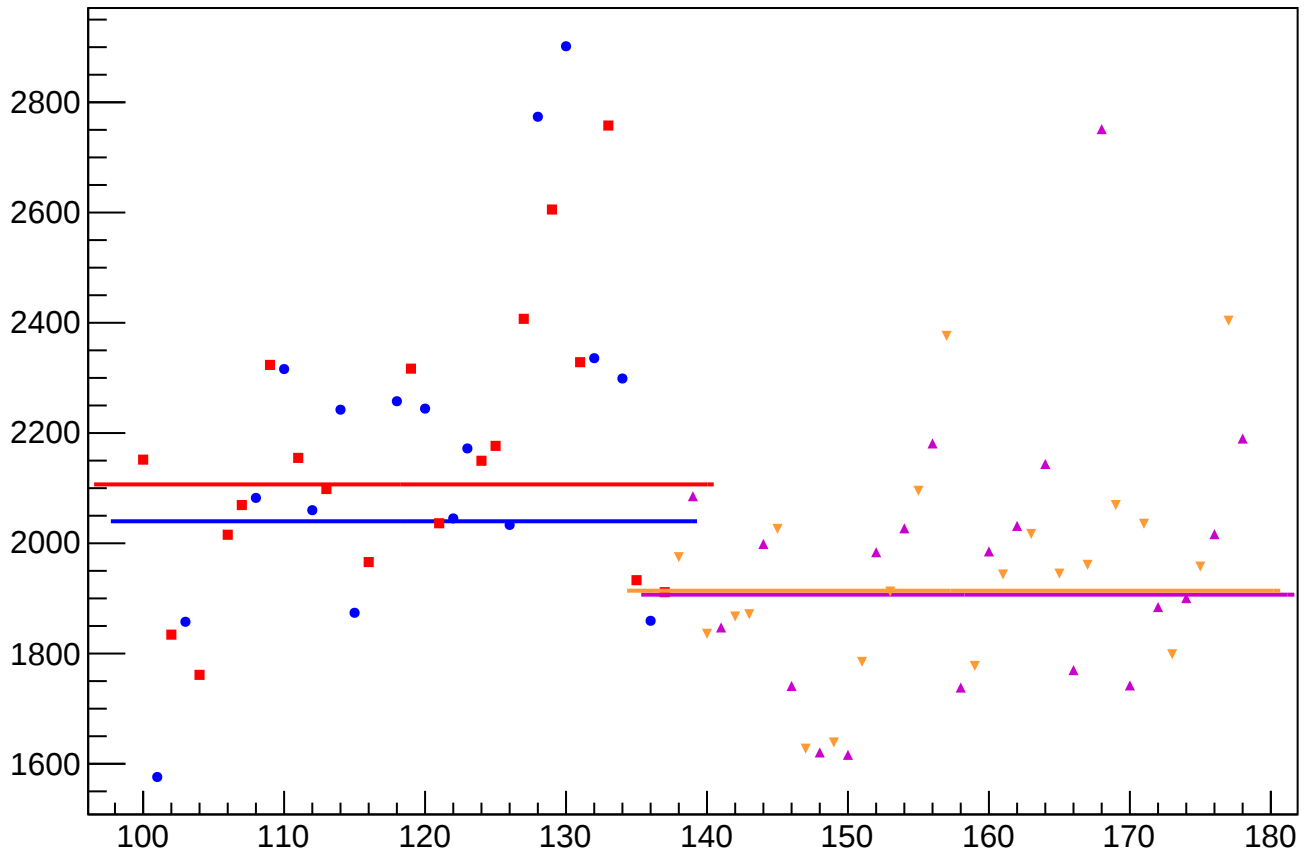
Left In: -2251.783+/-487.218 χ^2/NDF : 24.0/19

+ sign 1670.771+/-414.421 χ^2/NDF : 39.0/37

All: -382.738+/-293.422 χ^2/NDF : 124.7/76

- sign -2446.983+/-415.503 χ^2/NDF : 36.5/38

asym_usr_rms vs Slug



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

Left Out: 1914.027+/-0.342 χ^2/NDF : 283084.3/20

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

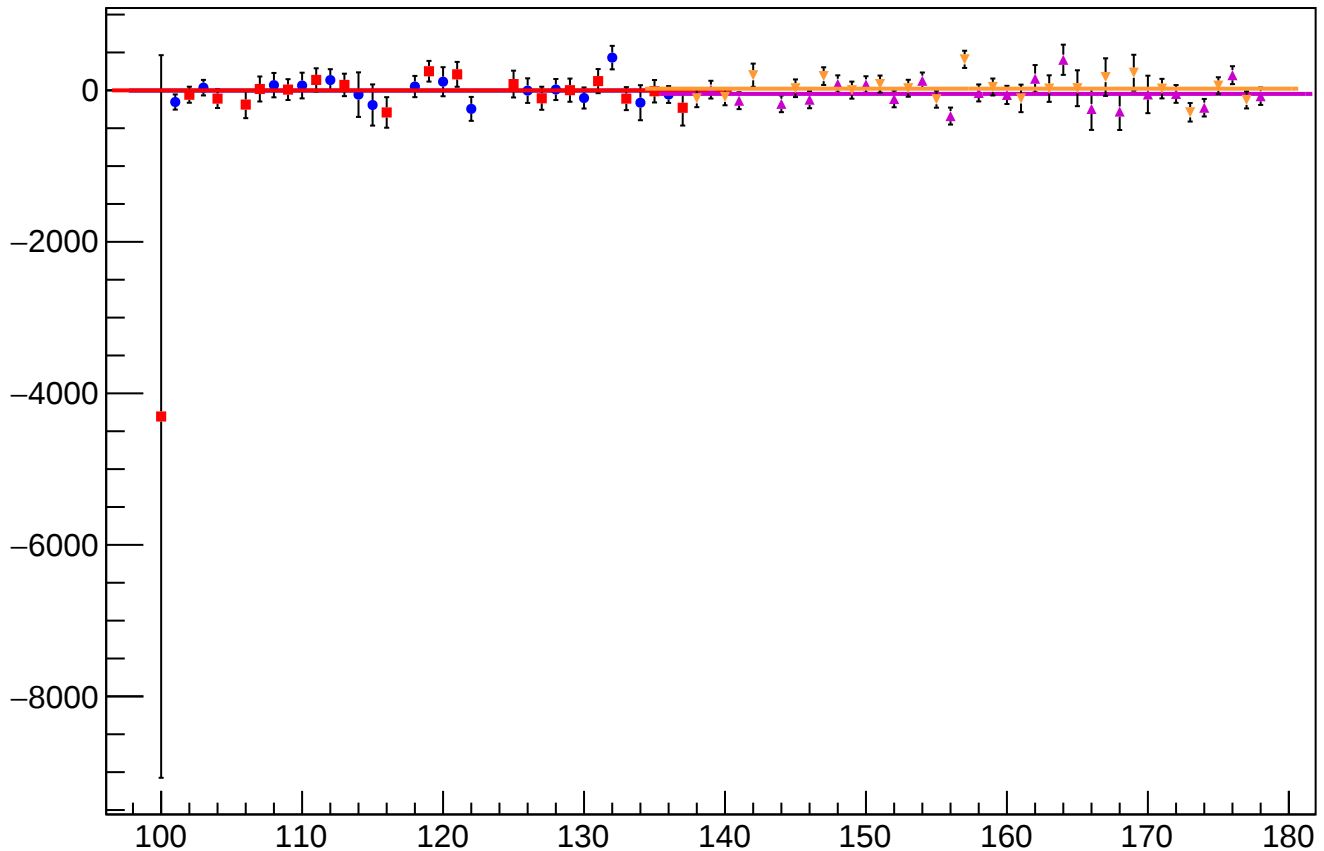
Left In: 1906.799+/-0.345 χ^2/NDF : 416128.8/19

+ sign 1947.627+/-0.293 χ^2/NDF : 651189.4/37

All: 1954.472+/-0.207 χ^2/NDF : 1355800.8/76

- sign 1961.352+/-0.294 χ^2/NDF : 703517.4/38

reg_asym_dsl_mean vs Slug



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

Left Out: 21.818 ± 28.628 χ^2/NDF : 29.1/19

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

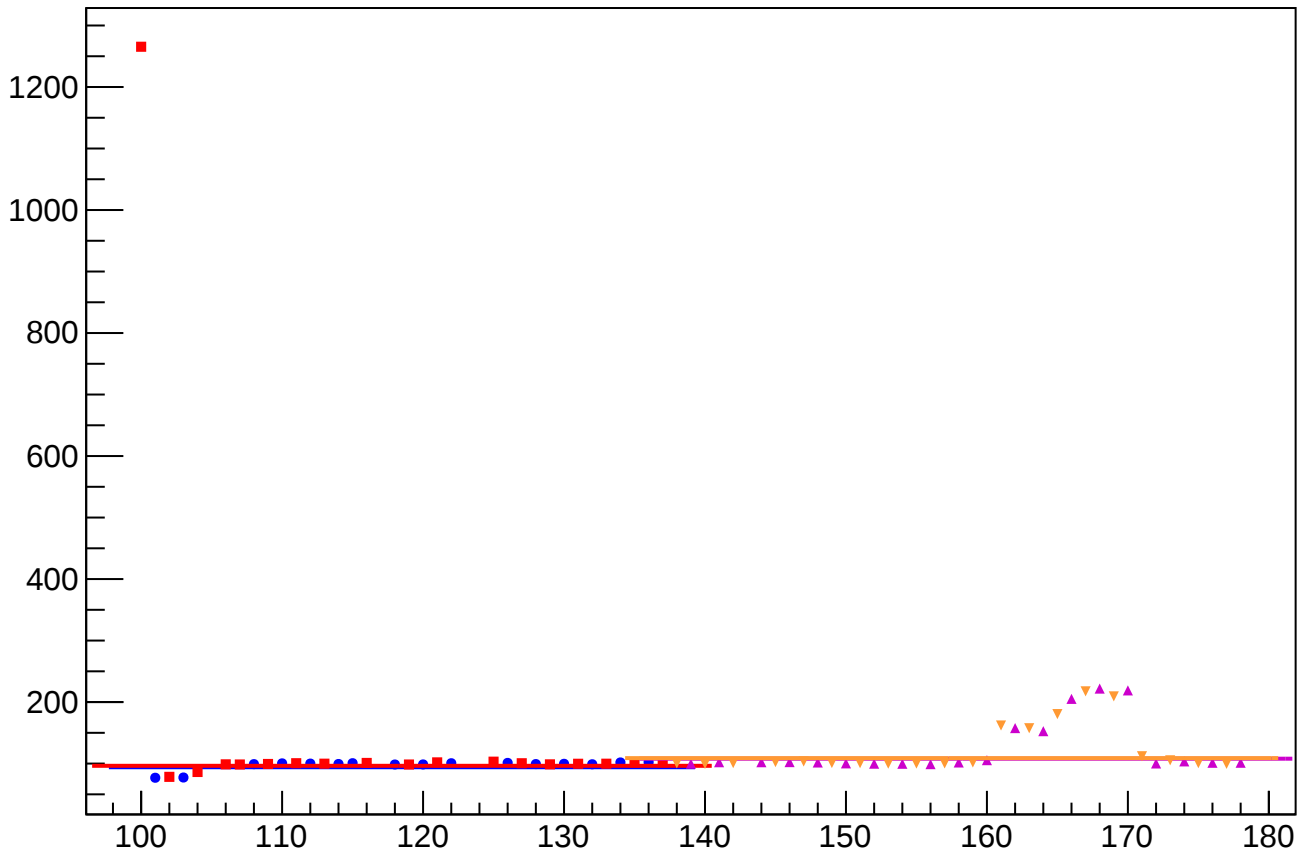
Left In: -47.237 ± 28.045 χ^2/NDF : 29.9/19

+ sign 12.327 ± 22.576 χ^2/NDF : 45.5/35

All: -9.113 ± 15.859 χ^2/NDF : 92.2/73

- sign -30.000 ± 22.283 χ^2/NDF : 44.9/37

reg_asym_dsl_rms vs Slug



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

Left Out: 108.854+/-0.020 χ^2/NDF : 1383110.2/19

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

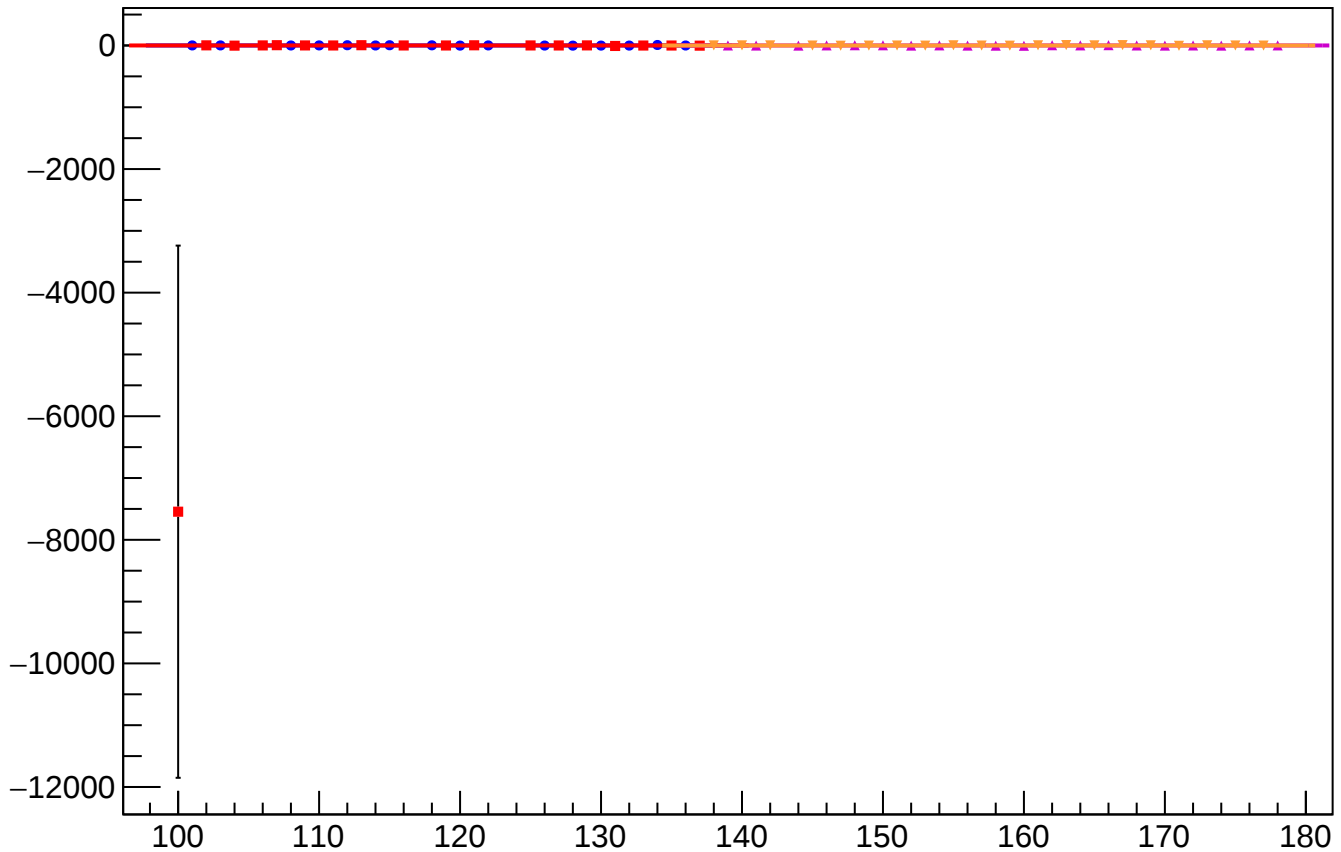
Left In: 107.935+/-0.020 χ^2/NDF : 1448641.2/19

+ sign 103.263+/-0.016 χ^2/NDF : 1737109.9/35

All: 103.470+/-0.011 χ^2/NDF : 3520649.3/73

- sign 103.672+/-0.016 χ^2/NDF : 1783207.3/37

asym_dsl_correction_mean vs Slug



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

Left Out: -0.443 $\pm$ 0.510 χ^2/NDF : 27.2/19

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

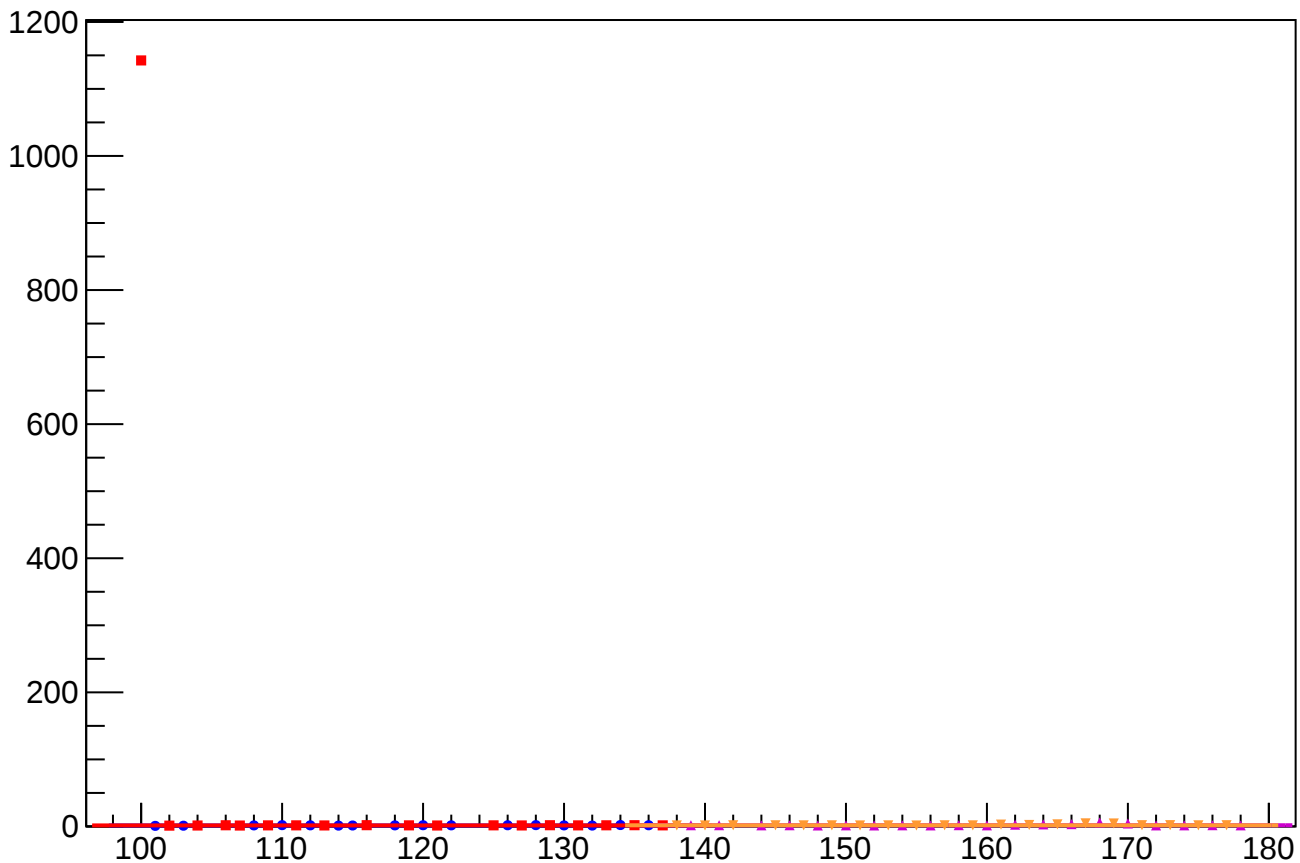
Left In: 0.097 $\pm$ 0.515 χ^2/NDF : 22.7/19

+ sign -0.090 $\pm$ 0.393 χ^2/NDF : 38.1/35

All: 0.043 $\pm$ 0.281 χ^2/NDF : 83.9/73

- sign 0.181 $\pm$ 0.402 χ^2/NDF : 45.6/37

asym_dsl_correction_rms vs Slug



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

Left Out: 1.750 $\pm$ 0.000 χ^2 /NDF:1488274.0/19

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

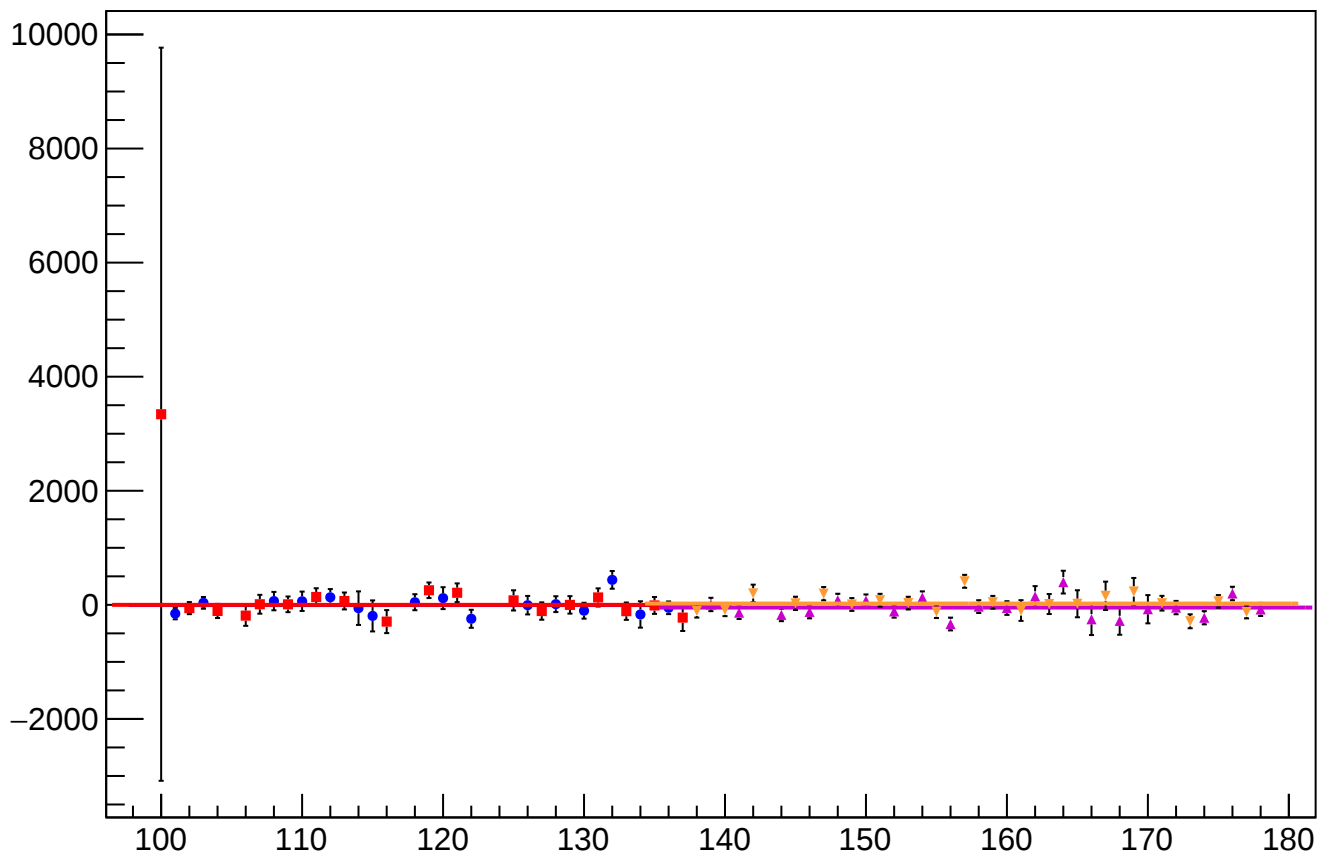
Left In: 1.804 $\pm$ 0.000 χ^2 /NDF:1806244.5/19

+ sign 1.616 $\pm$ 0.000 χ^2 /NDF: 2561012.0/35

All: 1.660 $\pm$ 0.000 χ^2 /NDF: 4918126.0/73

- sign 1.707 $\pm$ 0.000 χ^2 /NDF: 2304276.0/37

asym_dsl_mean vs Slug



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

Left Out: 22.723 ± 28.637 χ^2/NDF : 29.3/19

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

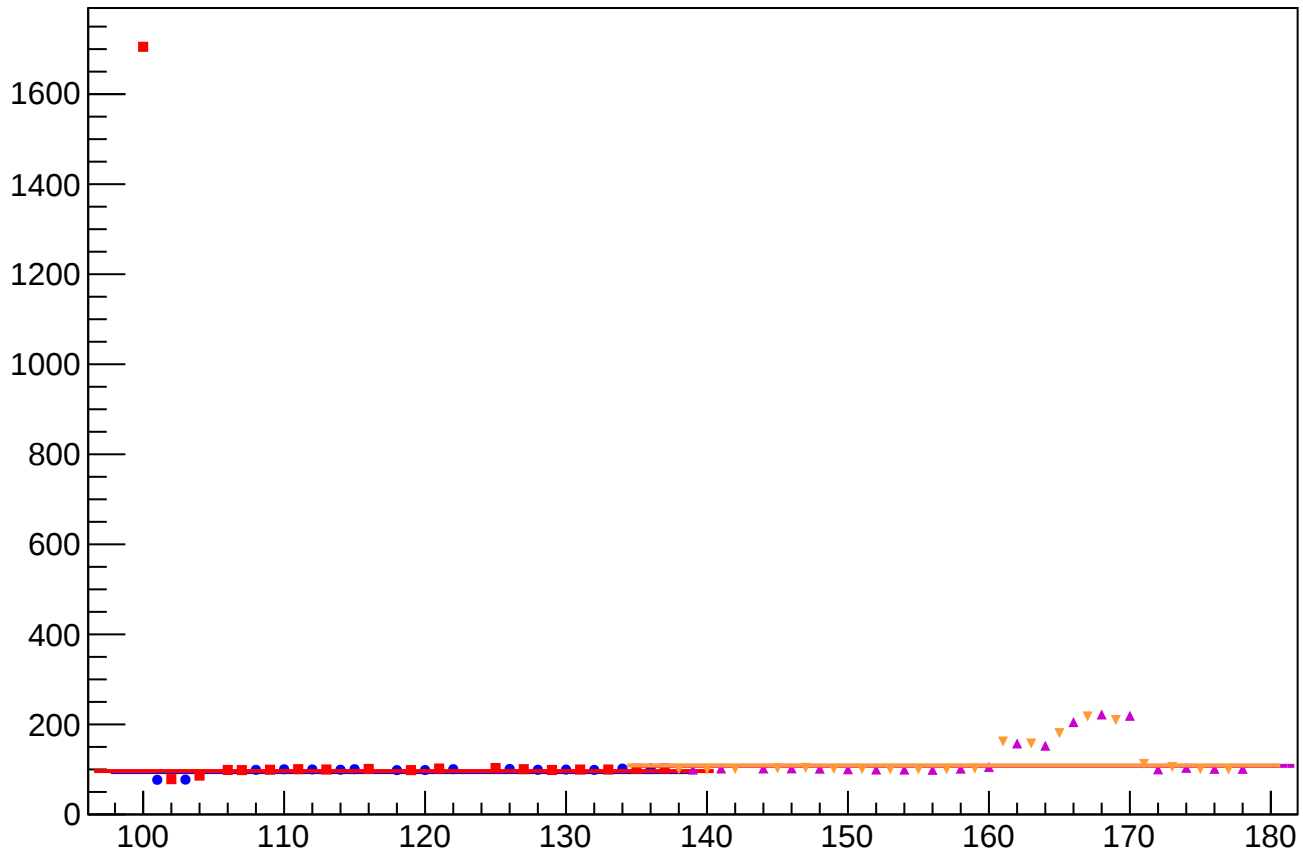
Left In: -47.529 ± 28.054 χ^2/NDF : 29.3/19

+ sign 12.959 ± 22.582 χ^2/NDF : 45.9/35

All: -8.835 ± 15.864 χ^2/NDF : 91.6/73

- sign -30.068 ± 22.290 χ^2/NDF : 43.9/37

asym_dsl_rms vs Slug



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

Left Out: 108.883+/-0.020 χ^2/NDF : 1384435.6/19

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

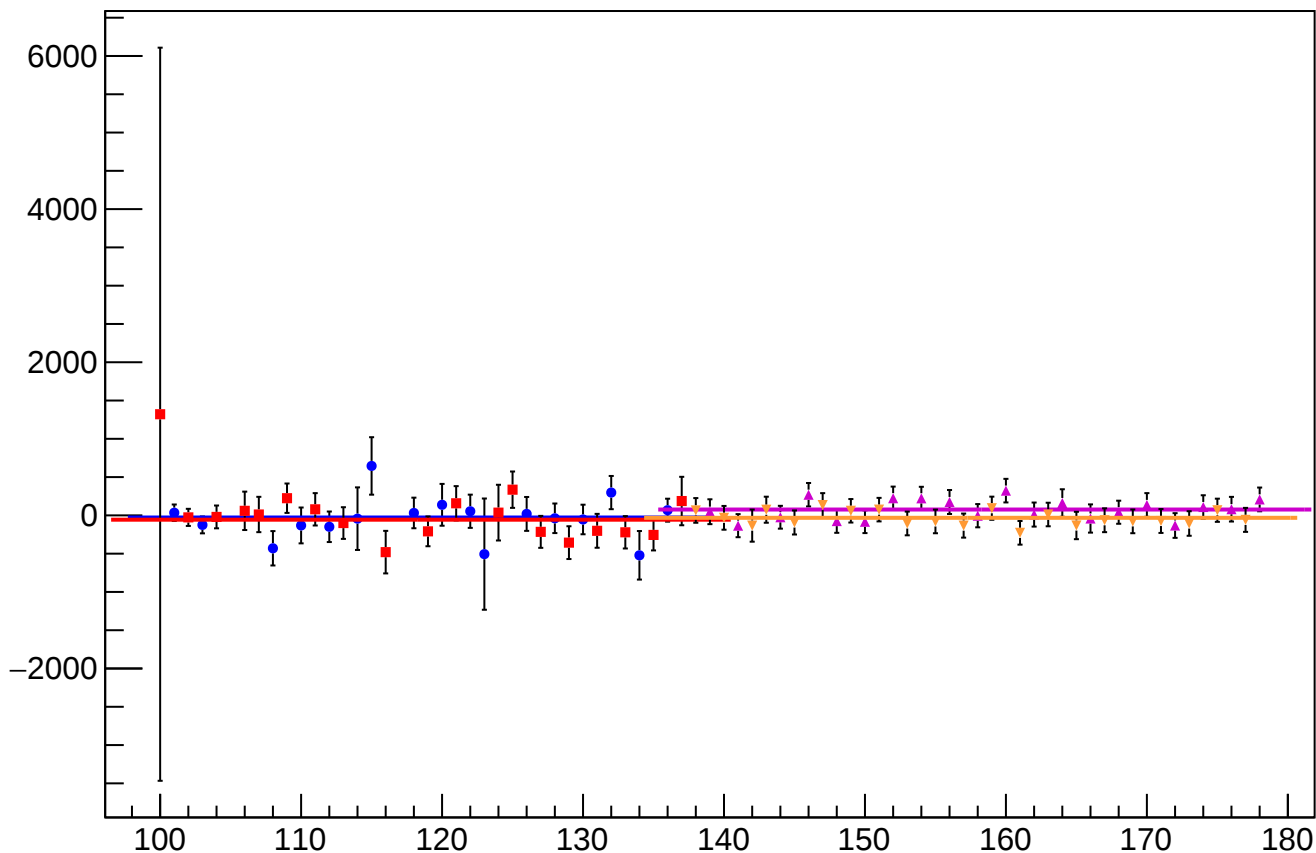
Left In: 107.965+/-0.020 χ^2/NDF : 1449887.1/19

+ sign 103.290+/-0.016 χ^2/NDF : 1738495.1/35

All: 103.495+/-0.011 χ^2/NDF : 3528798.9/73

- sign 103.694+/-0.016 χ^2/NDF : 1789980.5/37

reg_asym_dsr_mean vs Slug



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

Left Out: -31.857 ± 34.611 χ^2/NDF : 7.4/20

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

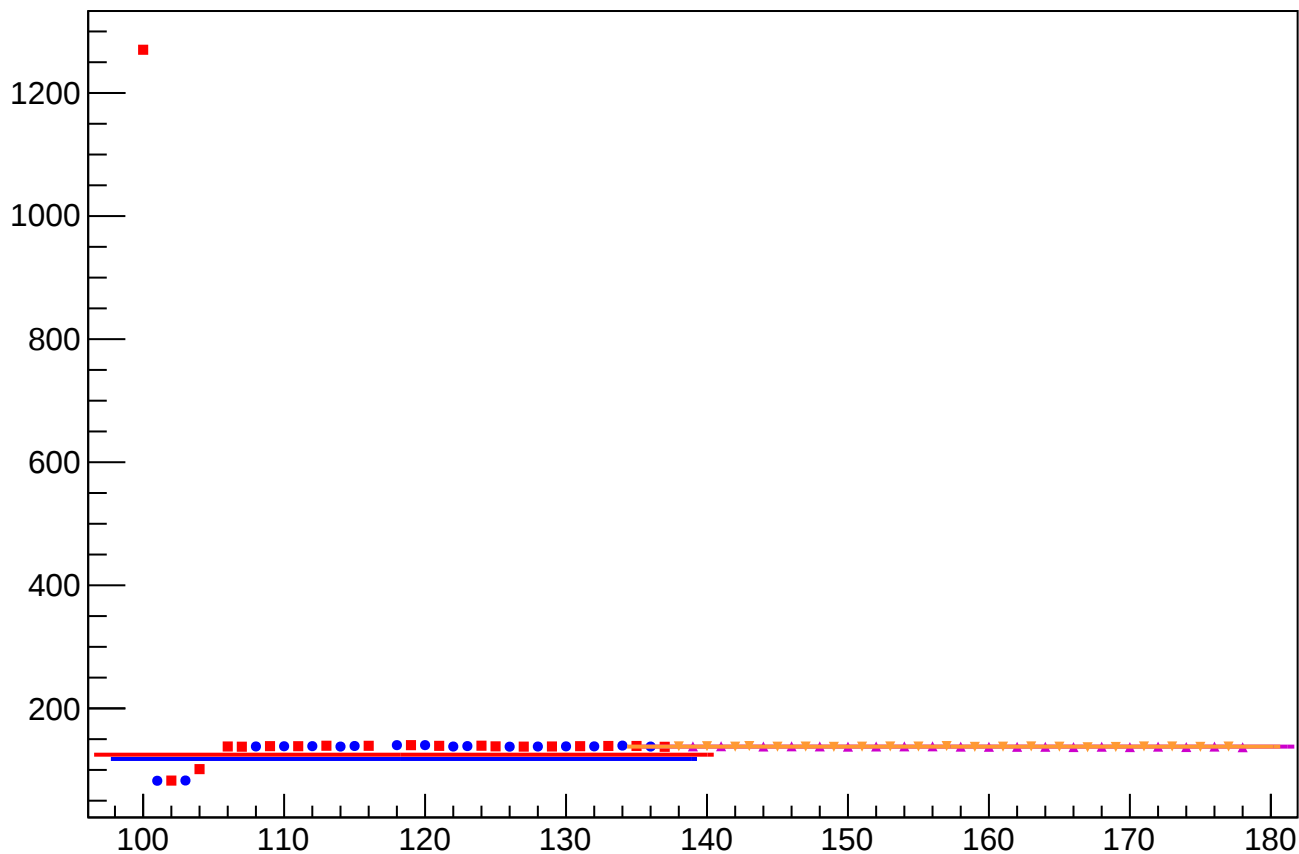
Left In: 76.338 ± 34.934 χ^2/NDF : 14.8/19

+ sign -30.436 ± 27.823 χ^2/NDF : 21.7/37

All: -0.605 ± 19.801 χ^2/NDF : 58.7/76

- sign 30.008 ± 28.186 χ^2/NDF : 34.7/38

reg_asym_dsr_rms vs Slug



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

Left Out: 137.902 $\pm$ 0.024 χ^2 /NDF: 345.4/20

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

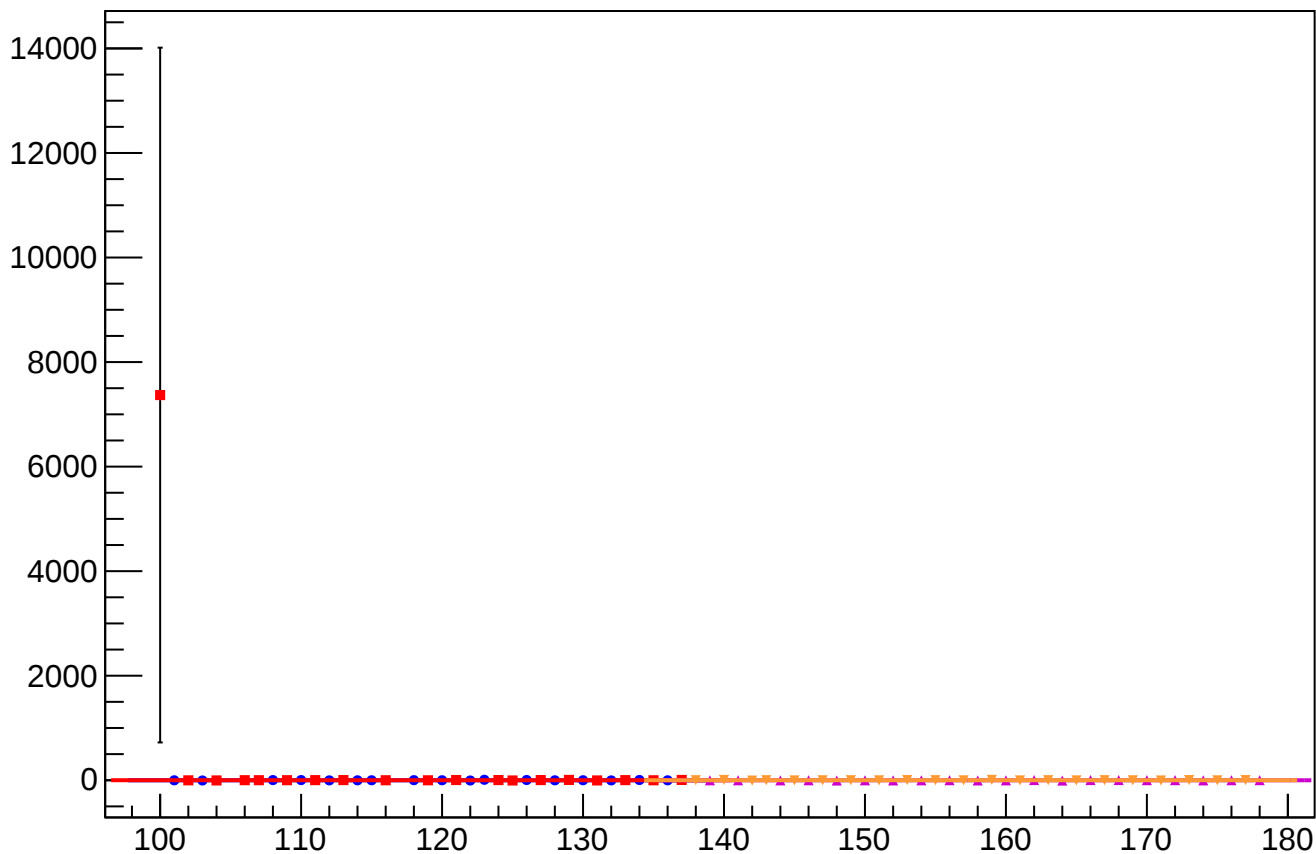
Left In: 137.879 $\pm$ 0.025 χ^2 /NDF: 344.2/19

+ sign 130.796 $\pm$ 0.020 χ^2 /NDF: 905267.3/37

All: 132.032 $\pm$ 0.014 χ^2 /NDF: 1581785.1/76

- sign 133.301 $\pm$ 0.020 χ^2 /NDF: 668512.8/38

asym_dsr_correction_mean vs Slug



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

Left Out: 0.486 ± 0.607 χ^2/NDF : 26.5/20

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

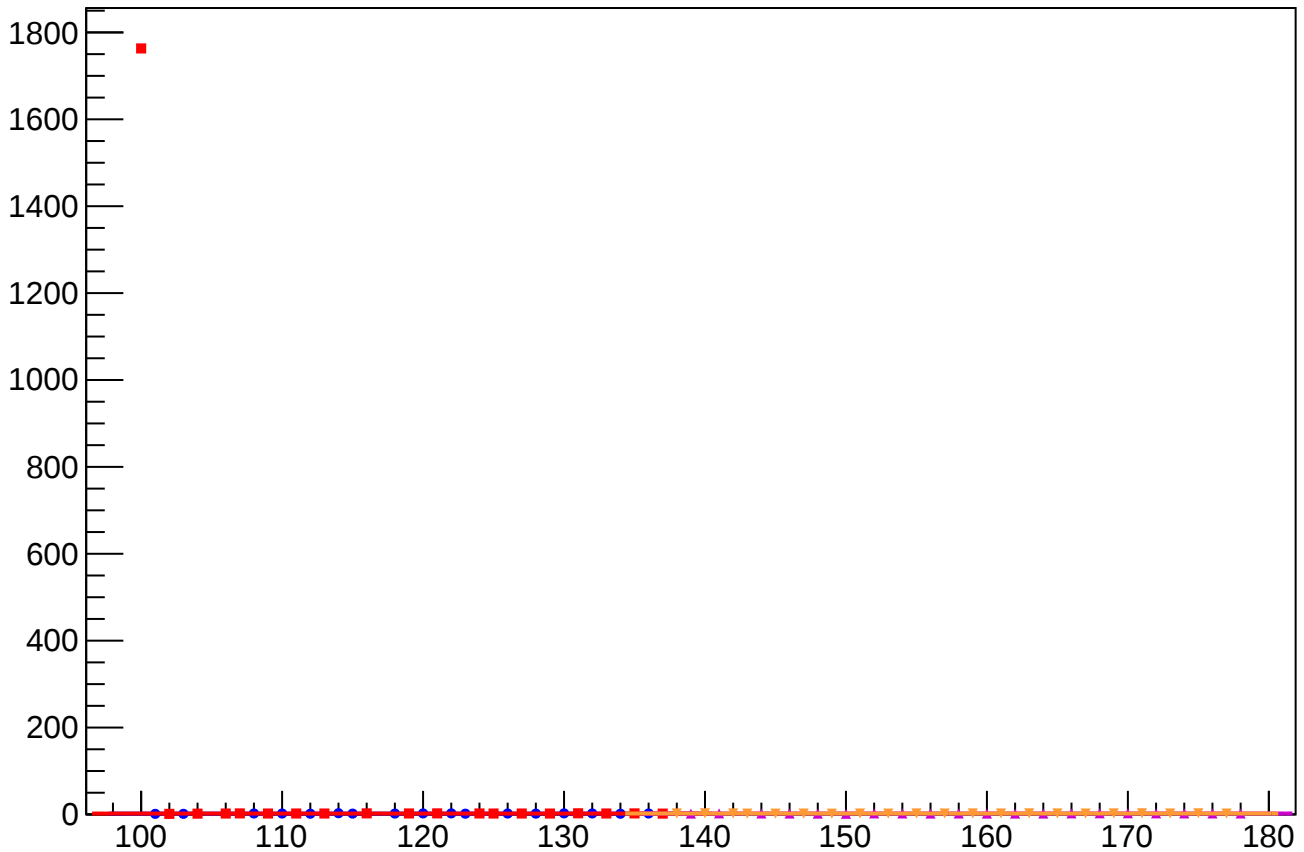
Left In: -0.422 ± 0.615 χ^2/NDF : 17.9/19

+ sign 0.061 ± 0.486 χ^2/NDF : 40.5/37

All: 0.005 ± 0.348 χ^2/NDF : 73.1/76

- sign -0.054 ± 0.498 χ^2/NDF : 32.6/38

asym_dsr_correction_rms vs Slug



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

Left Out: 2.220 $\pm$ 0.000 χ^2 /NDF: 299499.4/20

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

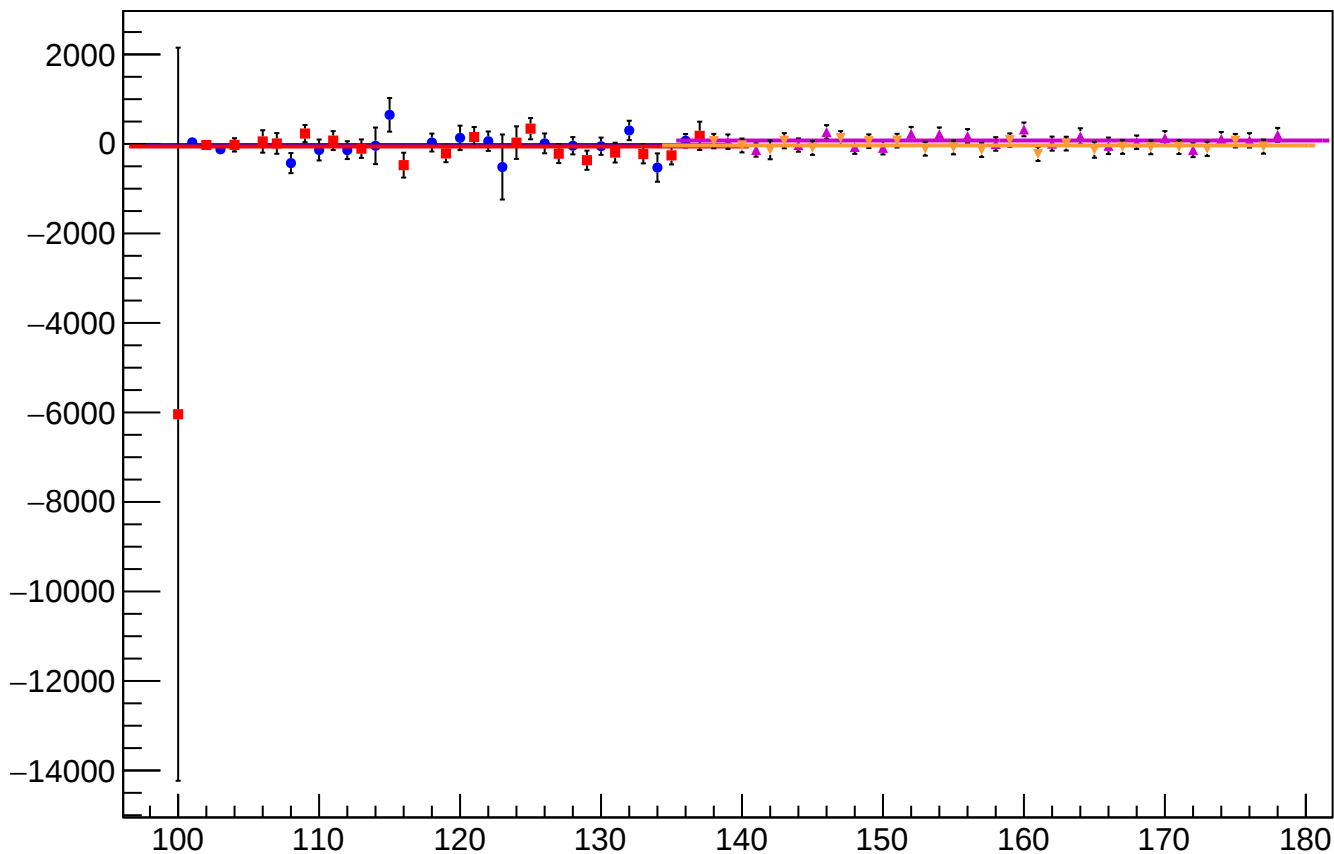
Left In: 2.200 $\pm$ 0.000 χ^2 /NDF: 491367.1/19

+ sign 2.094 $\pm$ 0.000 χ^2 /NDF: 1033546.5/37

All: 2.123 $\pm$ 0.000 χ^2 /NDF: 2098053.7/76

- sign 2.154 $\pm$ 0.000 χ^2 /NDF: 1049868.7/38

asym_dsr_mean vs Slug



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

Left Out: -32.471 ± 34.620 χ^2/NDF : 7.2/20

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

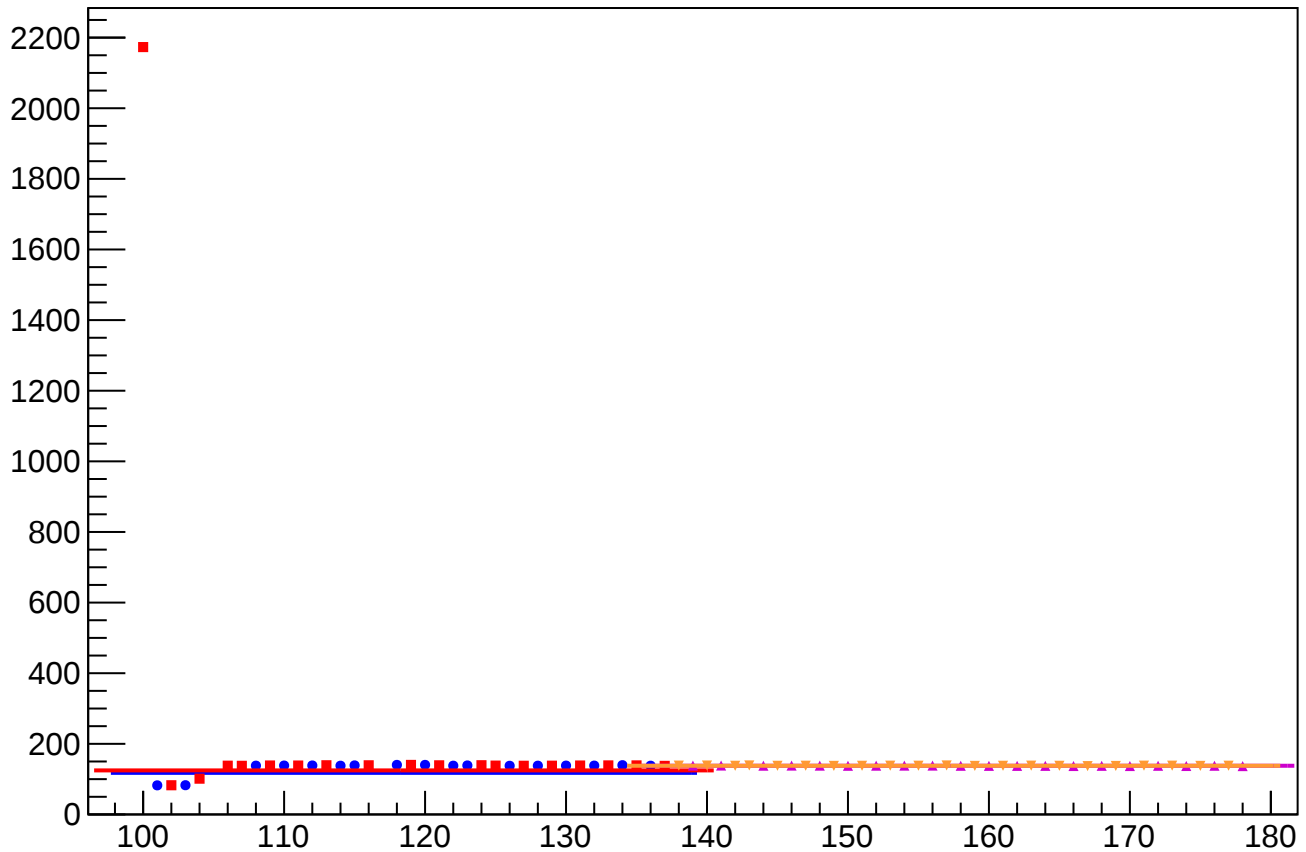
Left In: 76.334 ± 34.944 χ^2/NDF : 14.8/19

+ sign -30.273 ± 27.830 χ^2/NDF : 21.6/37

All: -0.674 ± 19.806 χ^2/NDF : 59.3/76

- sign 29.703 ± 28.194 χ^2/NDF : 35.4/38

asym_dsr_rms vs Slug



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

Left Out: 137.940 $\pm$ 0.024 χ^2 /NDF: 344.8/20

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

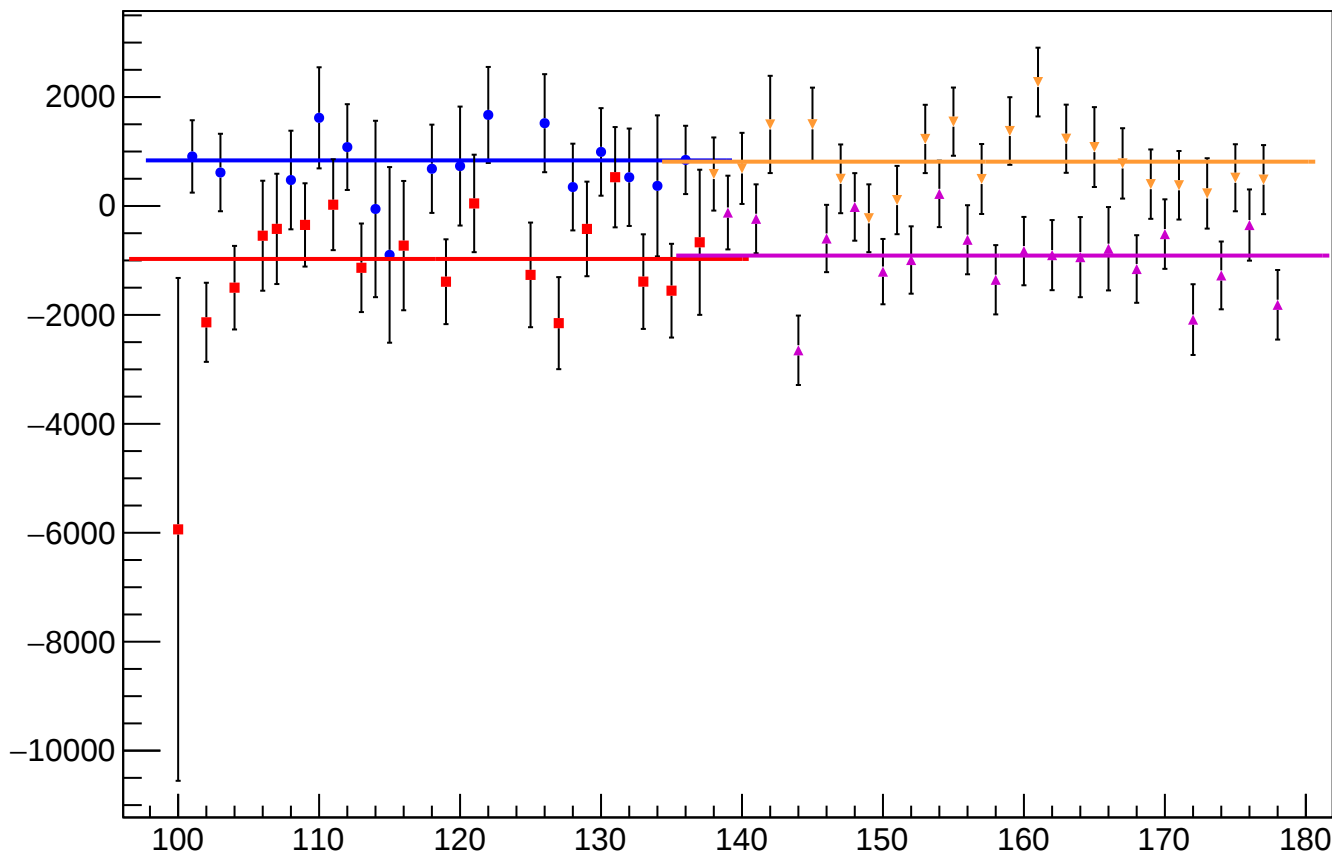
Left In: 137.918 $\pm$ 0.025 χ^2 /NDF: 340.9/19

+ sign 130.831 $\pm$ 0.020 χ^2 /NDF: 905309.5/37

All: 132.061 $\pm$ 0.014 χ^2 /NDF: 1593001.6/76

- sign 133.323 $\pm$ 0.020 χ^2 /NDF: 679779.8/38

reg_asym_left_avg_mean vs Slug



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

Left Out: 813.667 $\pm$ 144.939 χ^2 /NDF: 17.1/19

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

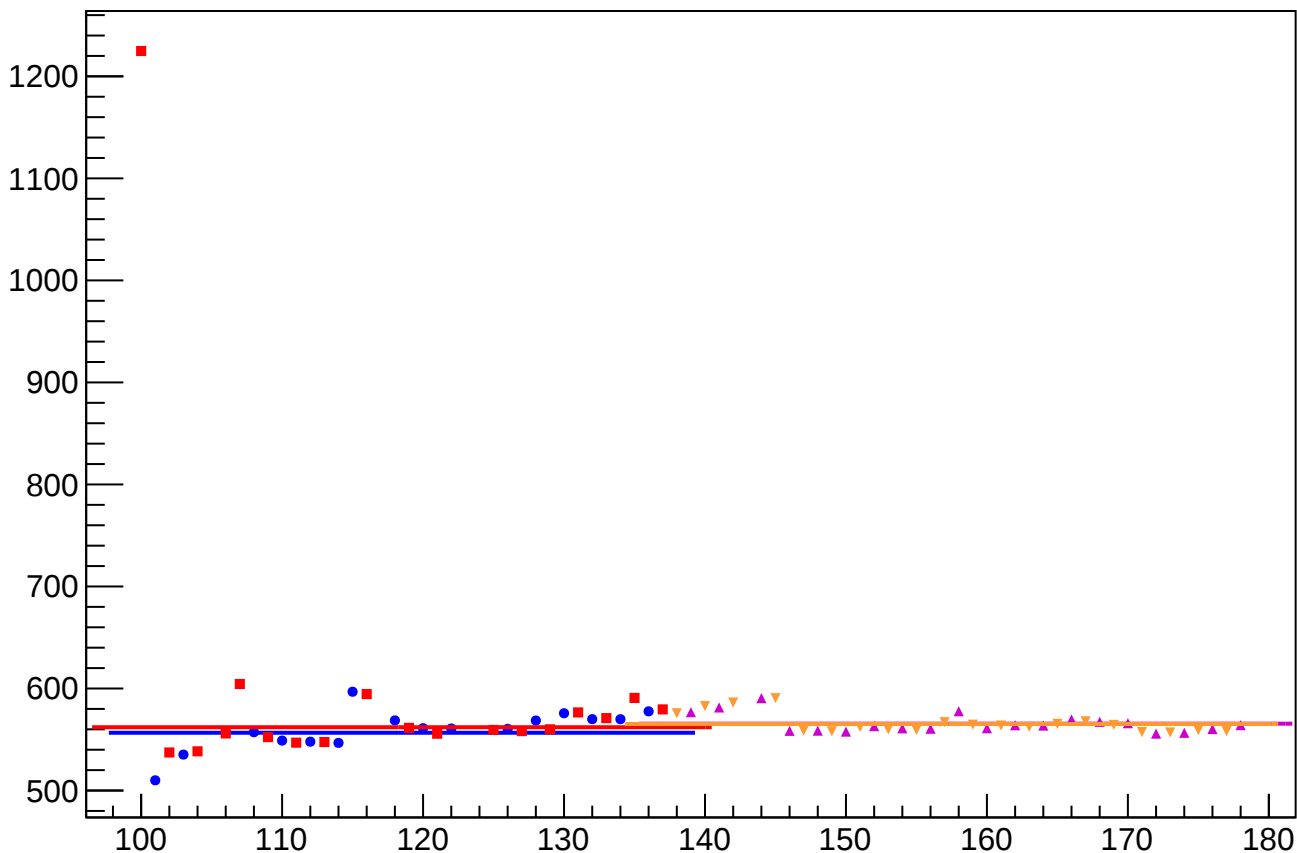
Left In: -910.517 $\pm$ 143.296 χ^2 /NDF: 23.6/19

+ sign 820.918 $\pm$ 120.386 χ^2 /NDF: 21.8/35

All: -65.696 $\pm$ 84.578 χ^2 /NDF: 166.9/73

- sign -929.838 $\pm$ 118.851 χ^2 /NDF: 37.9/37

reg_asym_left_avg_rms vs Slug



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

Left Out: 565.201 ± 0.102 χ^2/NDF : 7891.4/19

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

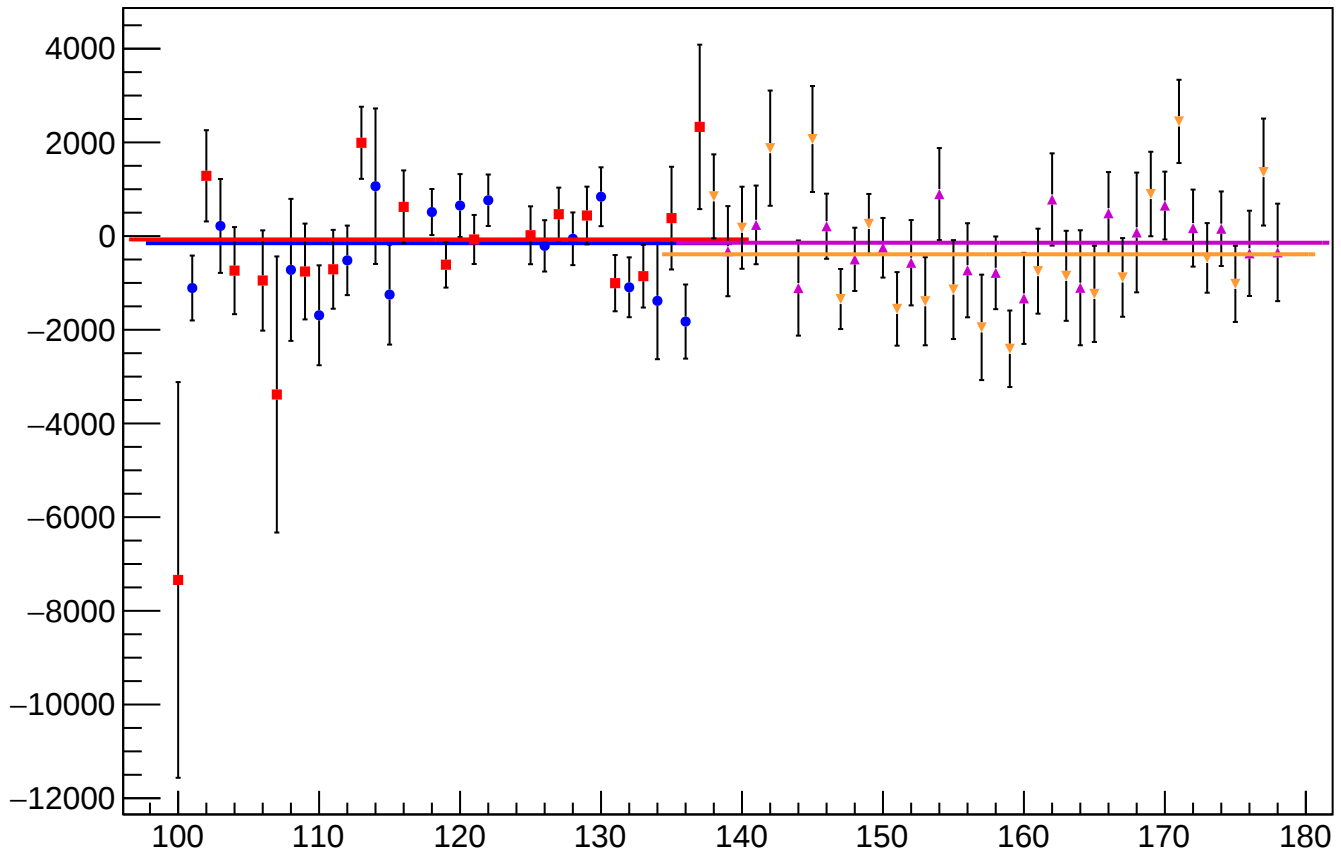
Left In: 565.530 ± 0.101 χ^2/NDF : 7931.4/19

+ sign 562.545 ± 0.085 χ^2/NDF : 28448.1/35

All: 563.506 ± 0.060 χ^2/NDF : 92575.0/73

- sign 564.443 ± 0.084 χ^2/NDF : 63875.1/37

asym_left_avg_correction_mean vs Slug



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

Left Out: -388.637+/-195.881 χ^2/NDF : 42.2/19

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

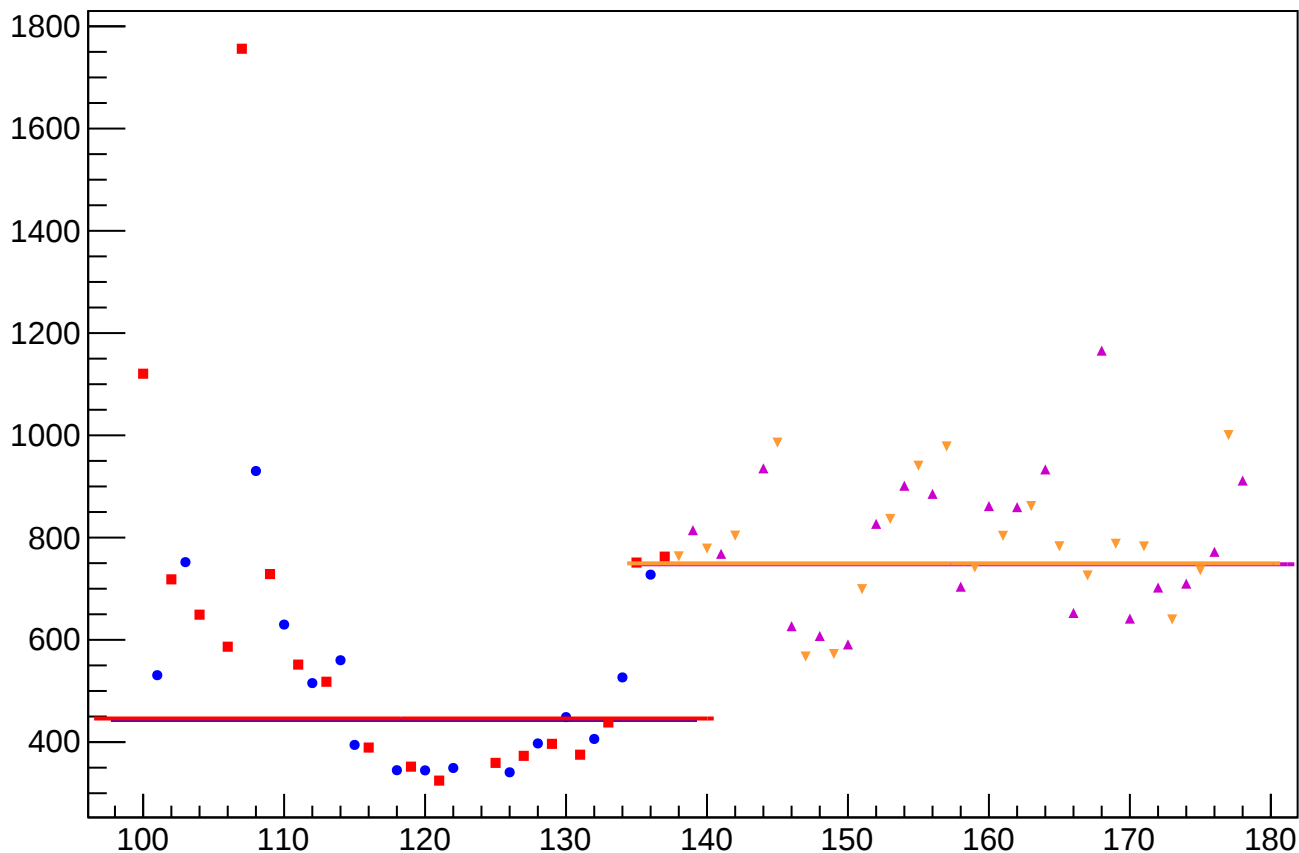
Left In: -142.144+/-192.989 χ^2/NDF : 9.2/19

+ sign -260.322+/-132.570 χ^2/NDF : 65.3/35

All: -181.417+/-93.220 χ^2/NDF : 100.3/73

- sign -104.244+/-131.107 χ^2/NDF : 34.3/37

asym_left_avg_correction_rms vs Slug



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

Left Out: 749.637+/-0.139 χ^2/NDF : 767789.2/19

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

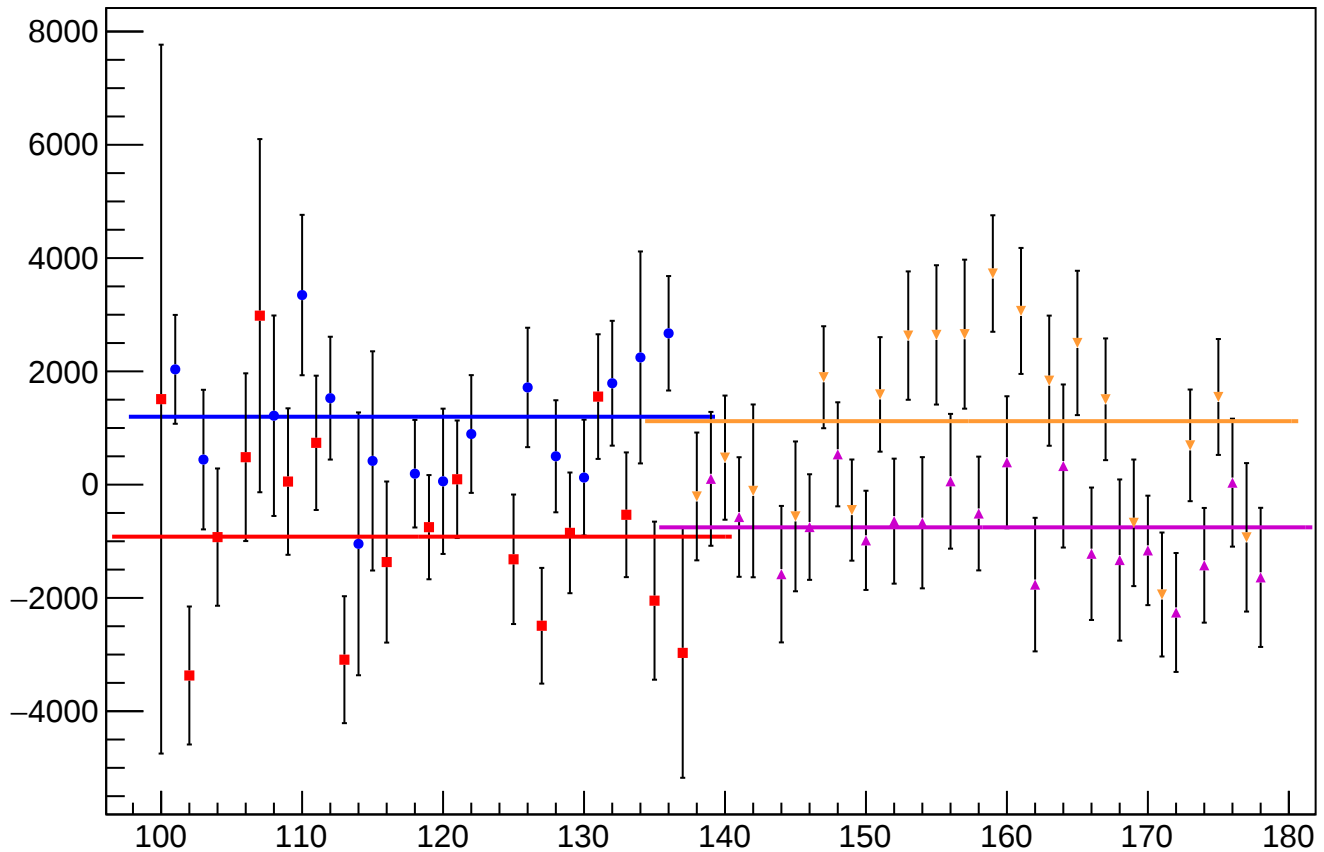
Left In: 747.790+/-0.136 χ^2/NDF : 896131.3/19

+ sign 583.697+/-0.094 χ^2/NDF : 4477127.9/35

All: 584.538+/-0.066 χ^2/NDF : 9464416.7/73

- sign 585.360+/-0.093 χ^2/NDF : 4987129.6/37

asym_left_avg_mean vs Slug



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

Left Out: 1120.535 ± 247.699 χ^2/NDF : 37.1/19

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

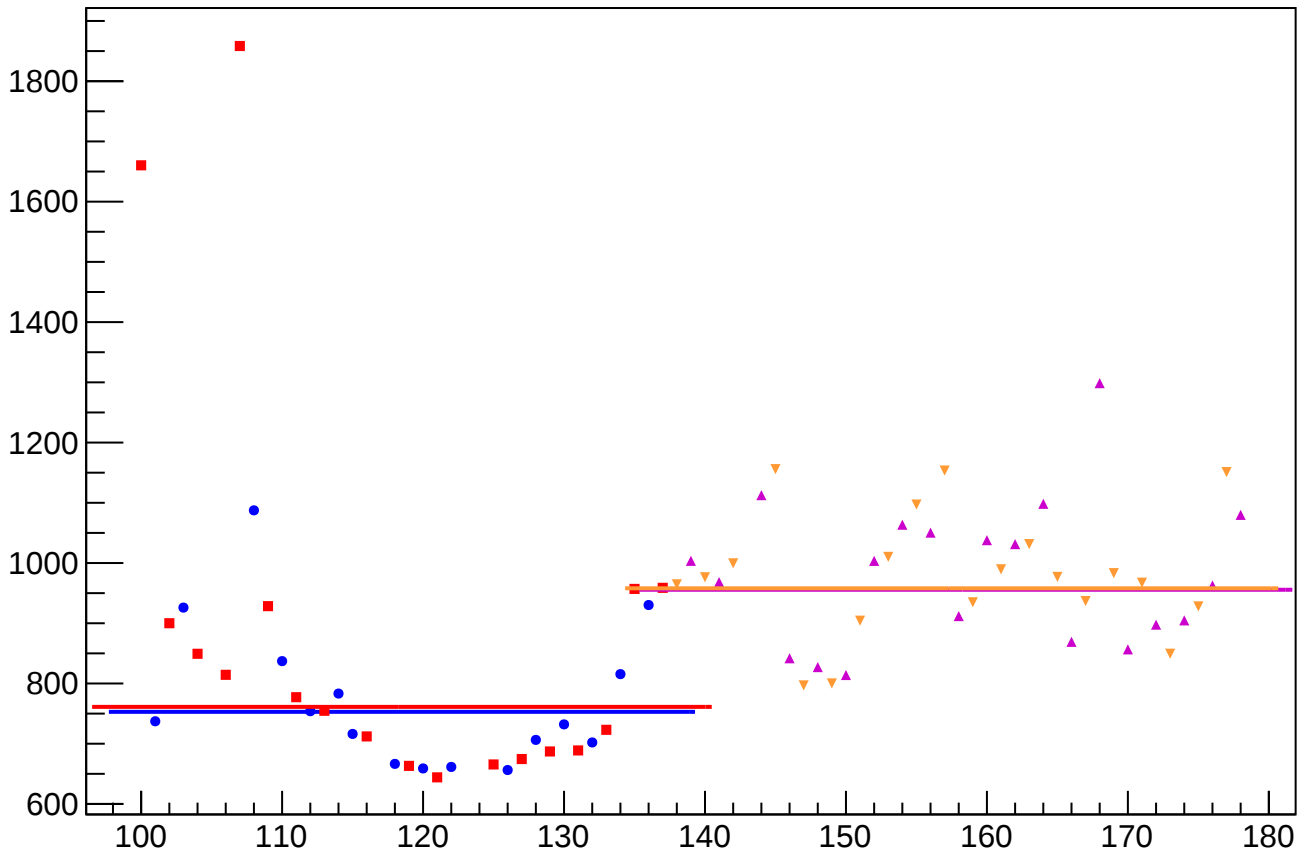
Left In: -753.627 ± 244.185 χ^2/NDF : 9.9/19

+ sign 1152.937 ± 189.761 χ^2/NDF : 48.3/35

All: 154.934 ± 133.432 χ^2/NDF : 136.3/73

- sign -821.088 ± 187.659 χ^2/NDF : 33.3/37

asym_left_avg_rms vs Slug



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

Left Out: 958.013 $\pm$ 0.175 χ^2 /NDF: 335668.0/19

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

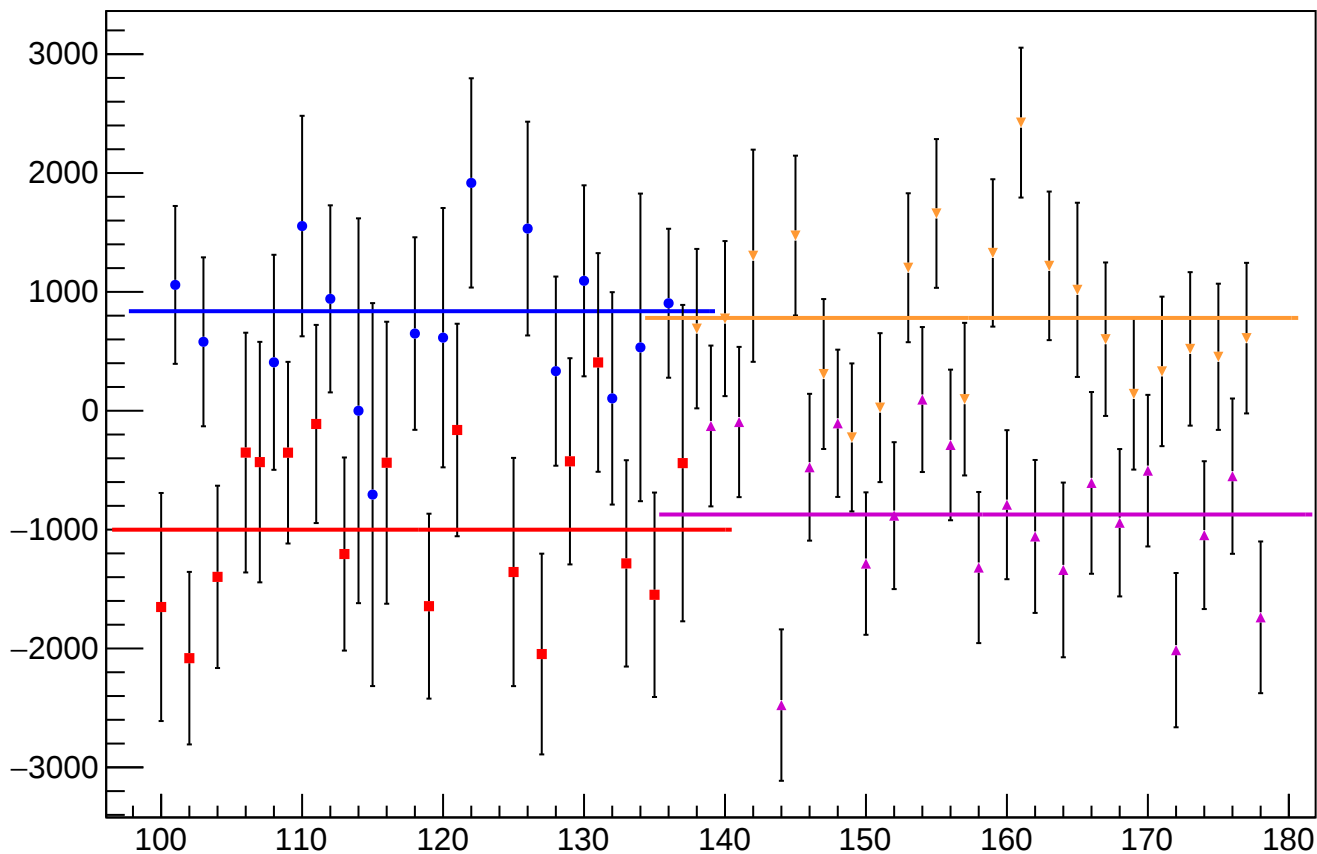
Left In: 955.620 $\pm$ 0.173 χ^2 /NDF: 414181.8/19

+ sign 873.296 $\pm$ 0.134 χ^2 /NDF: 1154516.8/35

All: 874.669 $\pm$ 0.094 χ^2 /NDF: 2605302.1/73

- sign 876.011 $\pm$ 0.133 χ^2 /NDF: 1450578.4/37

reg_asym_left_dd_mean vs Slug



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

Left Out: 780.863 ± 144.820 $\chi^2/\text{NDF}: 19.9/19$

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

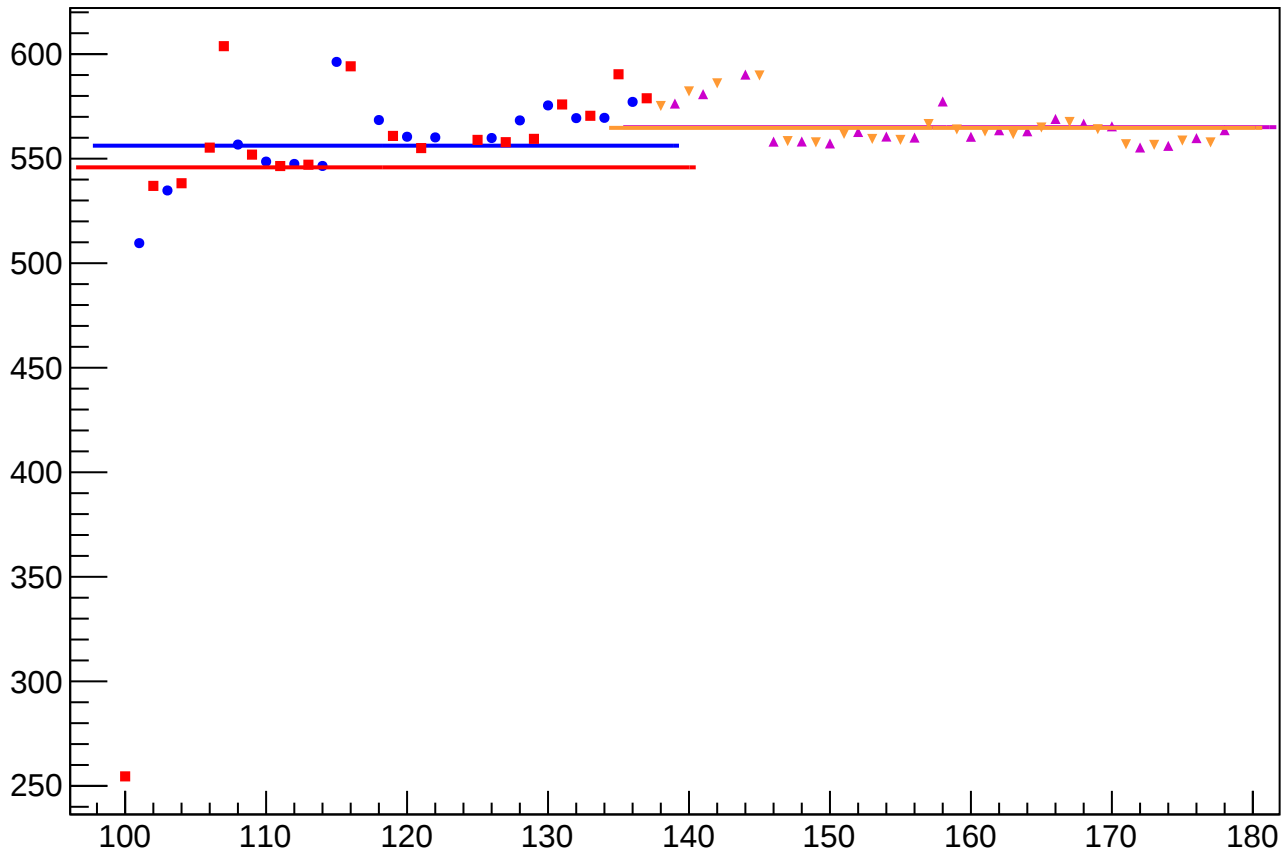
Left In: -872.823 ± 143.178 $\chi^2/\text{NDF}: 21.6/19$

+ sign 798.443 ± 120.289 $\chi^2/\text{NDF}: 25.6/35$

All: -75.001 ± 84.197 $\chi^2/\text{NDF}: 163.4/73$

- sign -913.976 ± 117.891 $\chi^2/\text{NDF}: 34.4/37$

reg_asym_left_dd_rms vs Slug



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

Left Out: 564.734 $\pm$ 0.102 χ^2 /NDF: 7825.8/19

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

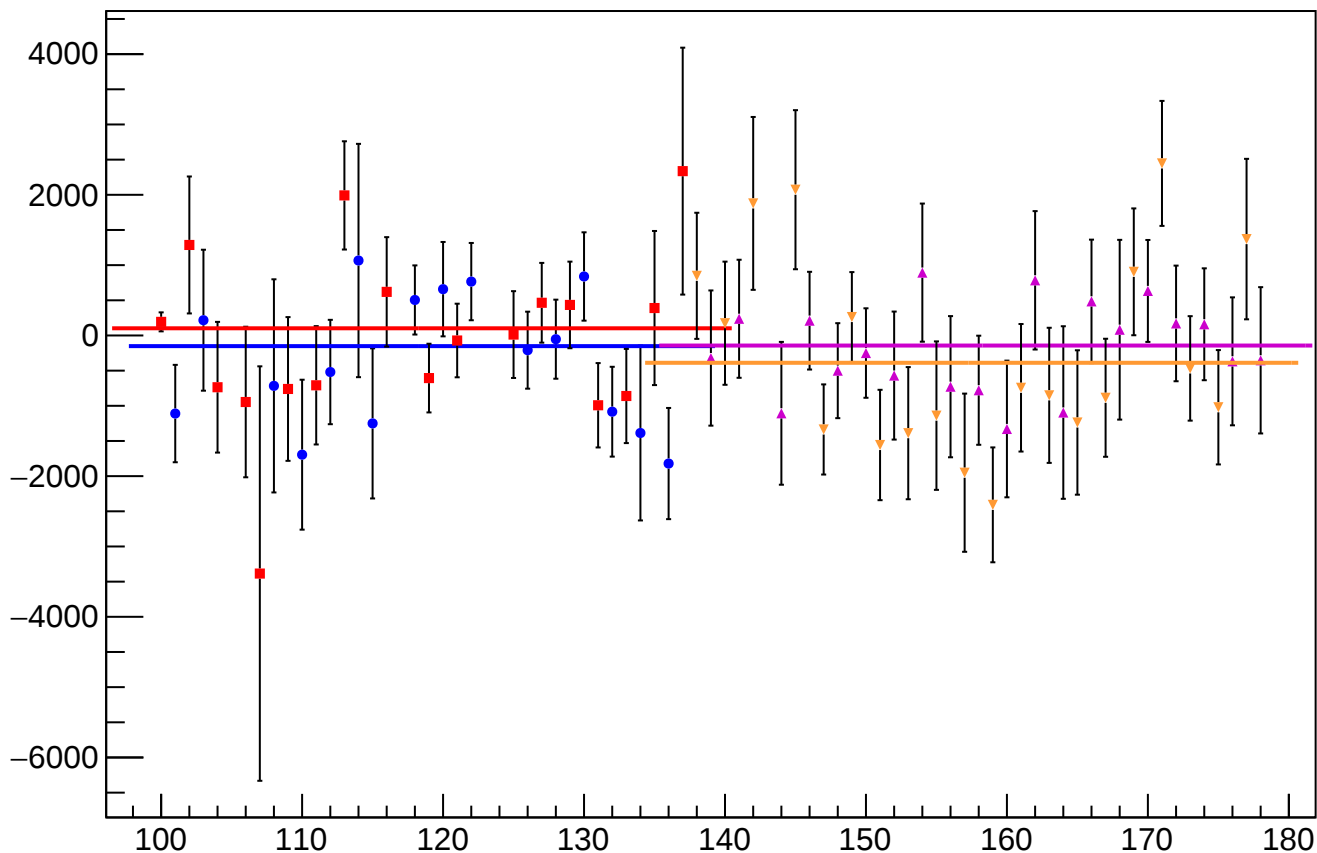
Left In: 565.062 $\pm$ 0.101 χ^2 /NDF: 7961.3/19

+ sign 562.091 $\pm$ 0.085 χ^2 /NDF: 28391.4/35

All: 560.450 $\pm$ 0.060 χ^2 /NDF: 256325.6/73

- sign 558.873 $\pm$ 0.083 χ^2 /NDF: 227204.5/37

asym_left_dd_correction_mean vs Slug



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

Left Out: -388.422+/-195.799 χ^2/NDF : 42.2/19

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

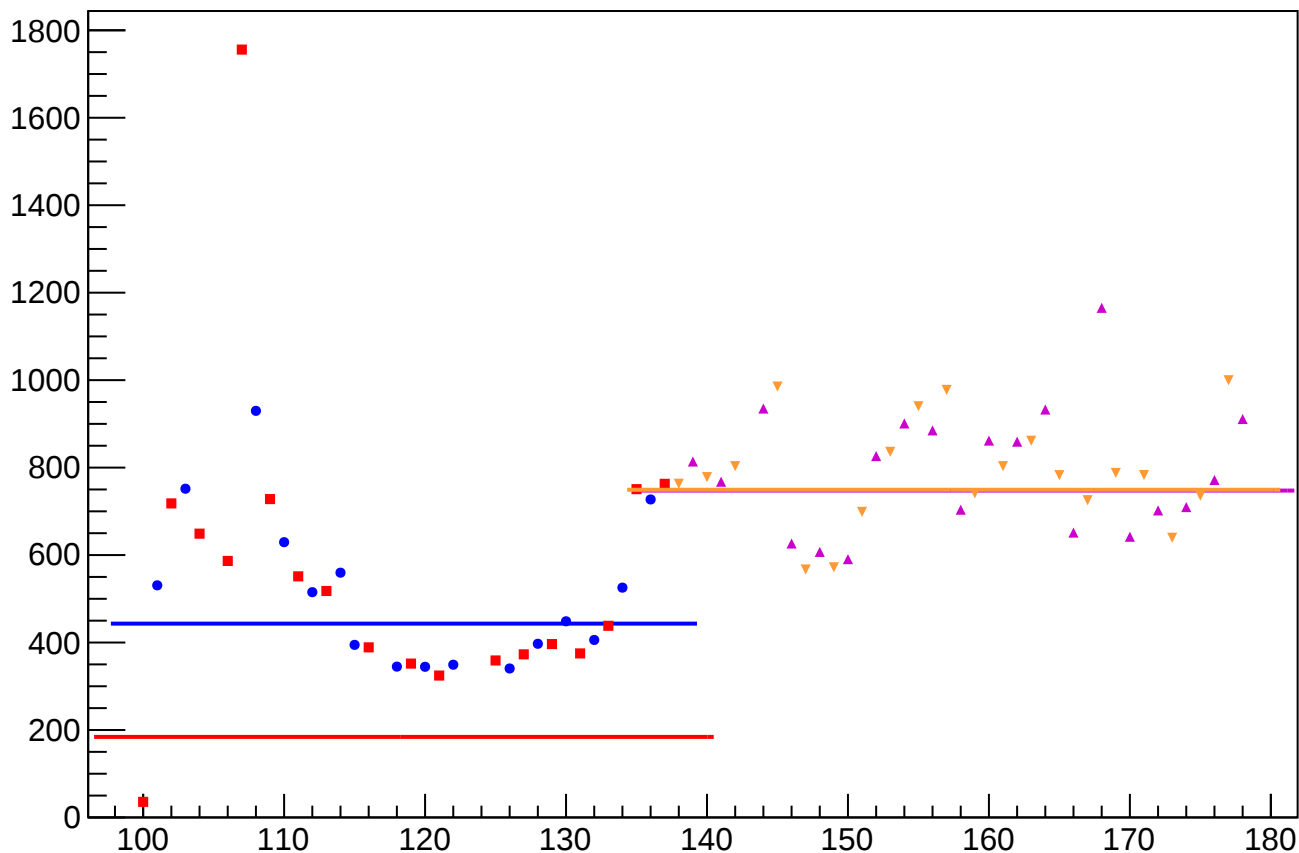
Left In: -143.207+/-192.903 χ^2/NDF : 9.1/19

+ sign -259.989+/-132.510 χ^2/NDF : 65.3/35

All: -57.967+/-76.691 χ^2/NDF : 102.4/73

- sign 43.784+/-94.041 χ^2/NDF : 33.6/37

asym_left_dd_correction_rms vs Slug



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

Left Out: 749.338+/-0.138 χ^2/NDF : 768268.3/19

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

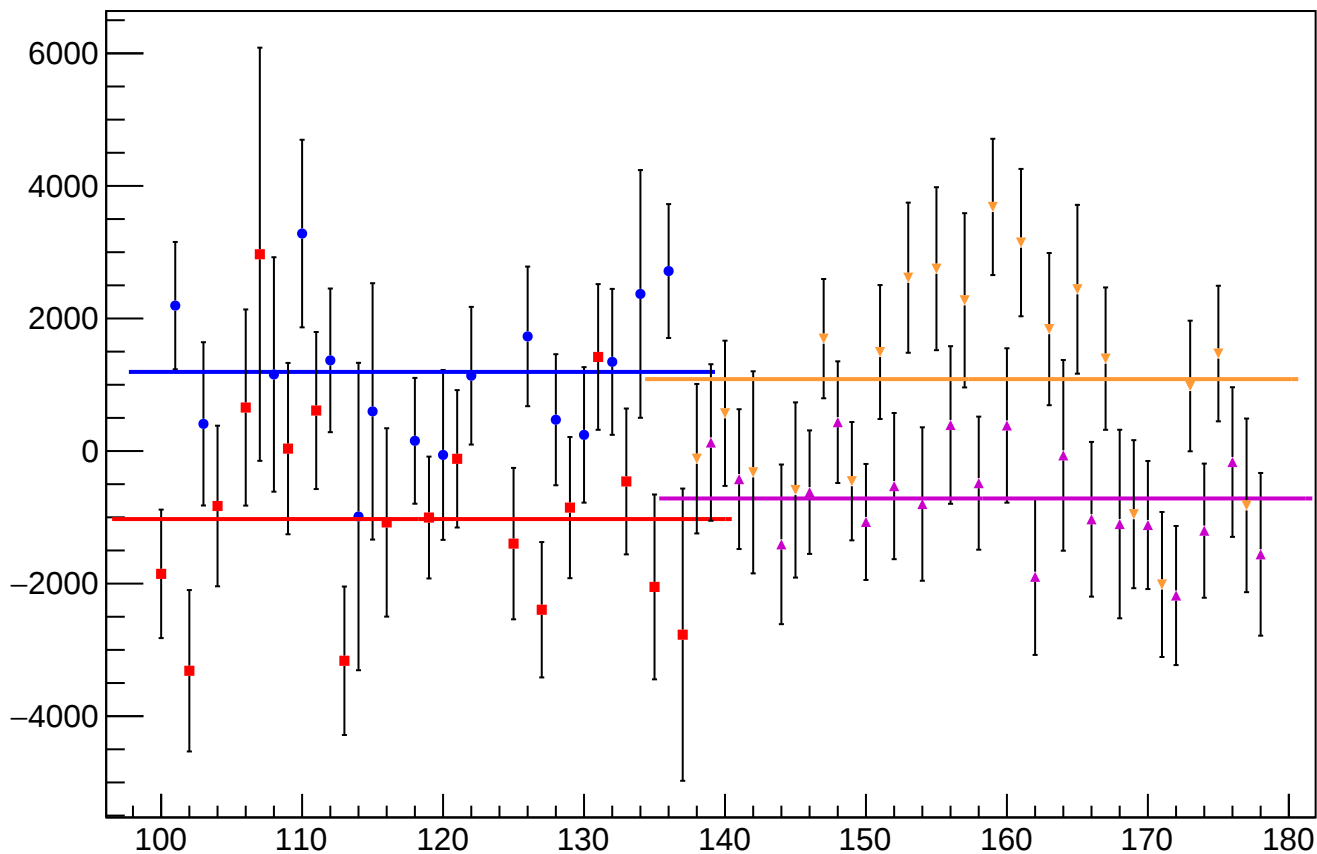
Left In: 747.452+/-0.136 χ^2/NDF : 896310.7/19

+ sign 583.435+/-0.094 χ^2/NDF : 4478304.6/35

All: 406.960+/-0.054 χ^2/NDF : 31786596.4/73

- sign 318.075+/-0.066 χ^2/NDF : 21974263.0/37

asym_left_dd_mean vs Slug



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

Left Out: 1085.221 $\pm$ 247.558 χ^2 /NDF: 37.0/19

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

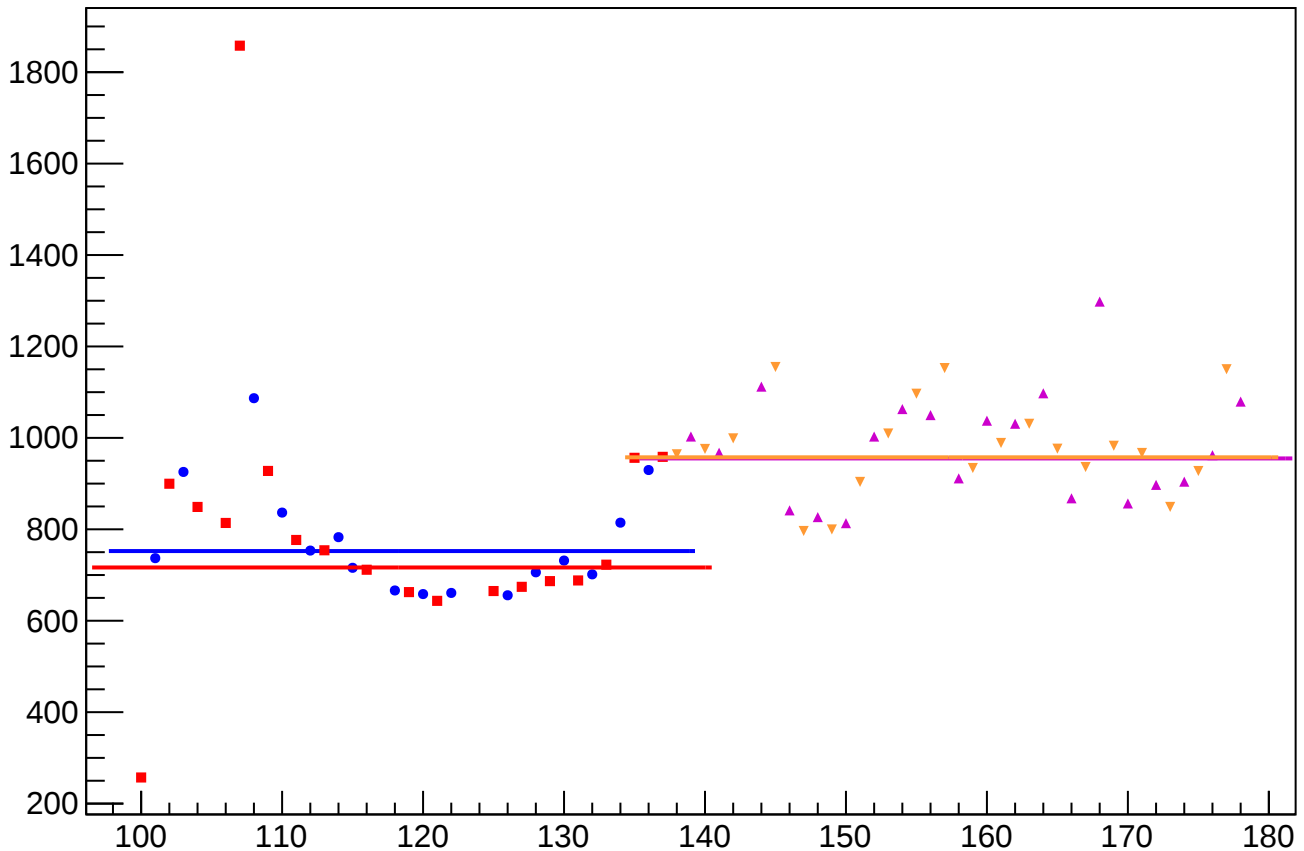
Left In: -715.457 $\pm$ 244.043 χ^2 /NDF: 8.9/19

+ sign 1130.101 $\pm$ 189.645 χ^2 /NDF: 48.2/35

All: 111.688 $\pm$ 132.134 χ^2 /NDF: 136.4/73

- sign -849.130 $\pm$ 184.205 χ^2 /NDF: 32.2/37

asym_left_dd_rms vs Slug



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

Left Out: 957.478+/-0.175 χ^2/NDF : 335537.4/19

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

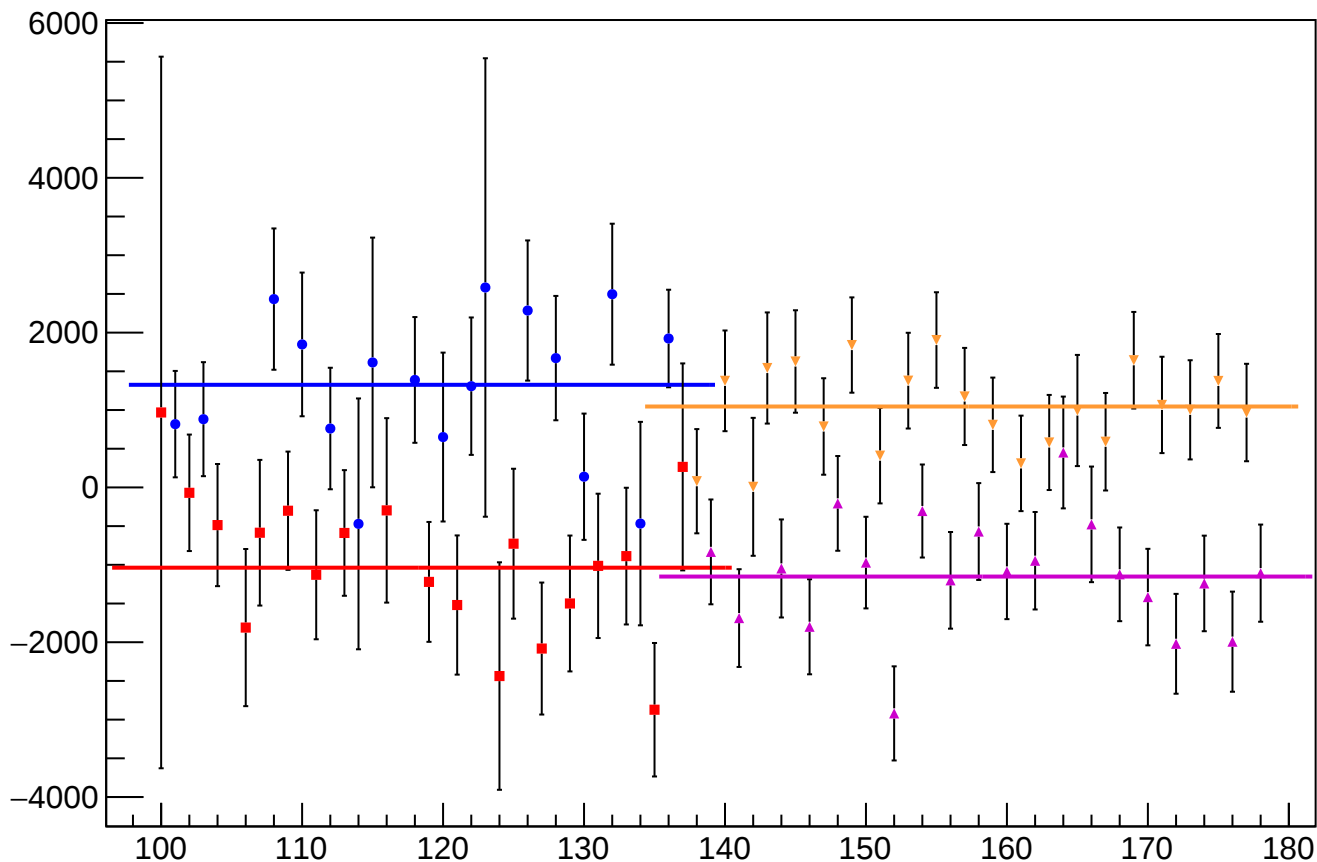
Left In: 955.055+/-0.173 χ^2/NDF : 414422.9/19

+ sign 872.762+/-0.134 χ^2/NDF : 1155131.9/35

All: 862.296+/-0.093 χ^2/NDF : 3370450.4/73

- sign 852.422+/-0.130 χ^2/NDF : 2203480.3/37

reg_asym_right_avg_mean vs Slug



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

Left Out: 1045.363 $\pm$ 140.141 χ^2 /NDF:14.0/20

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

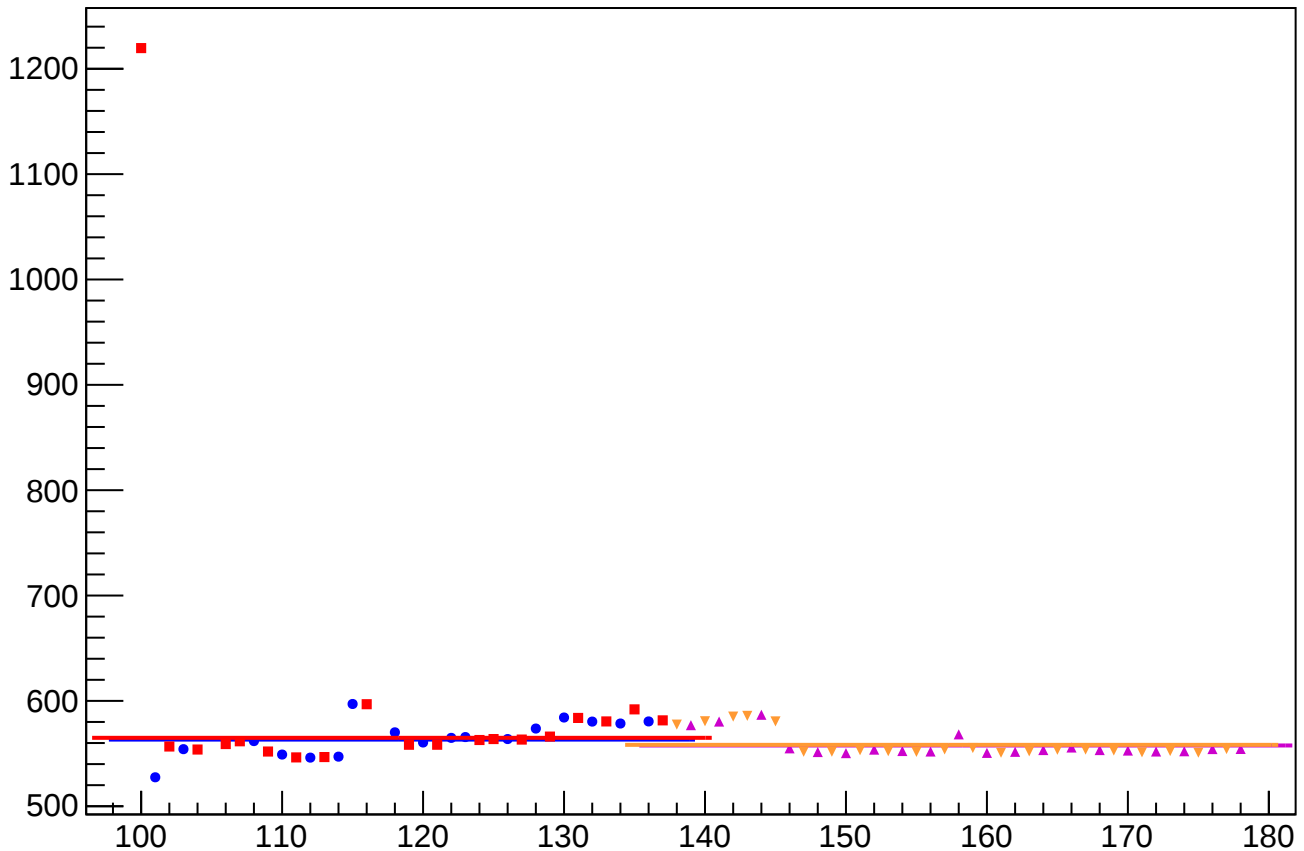
Left In: -1151.600 $\pm$ 141.315 χ^2 /NDF:25.4/19

+ sign 1127.303 $\pm$ 117.901 χ^2 /NDF: 28.0/37

All: 1.842 $\pm$ 83.231 χ^2 /NDF: 248.8/76

- sign -1116.257 $\pm$ 117.514 χ^2 /NDF: 39.1/38

reg_asym_right_avg_rms vs Slug



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

Left Out: 558.269+/-0.099 χ^2/NDF : 13801.6/20

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

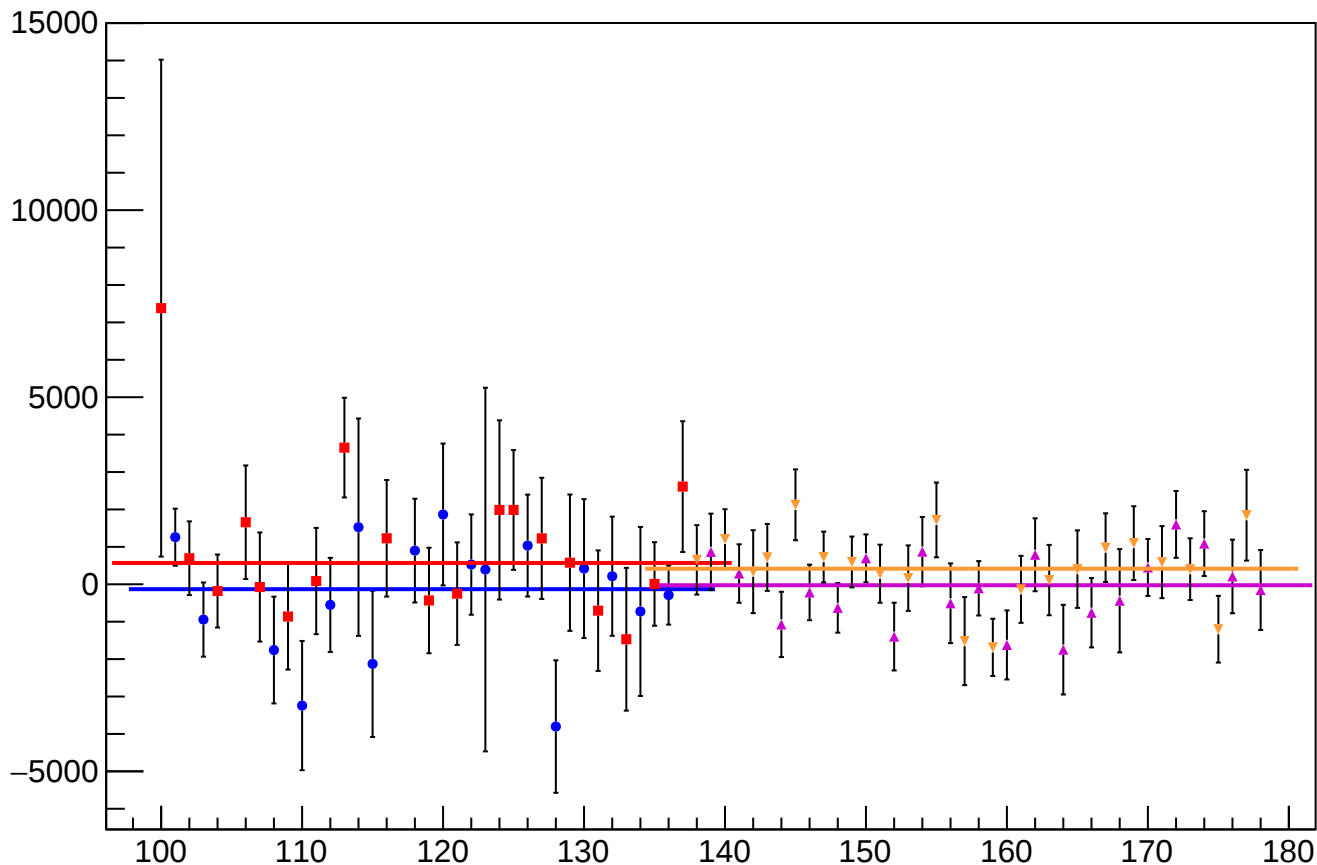
Left In: 557.680+/-0.100 χ^2/NDF : 11142.3/19

+ sign 559.729+/-0.083 χ^2/NDF : 27064.8/37

All: 559.825+/-0.059 χ^2/NDF : 89135.9/76

- sign 559.921+/-0.083 χ^2/NDF : 62068.5/38

asym_right_avg_correction_mean vs Slug



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

Left Out: 416.696 ± 193.661 χ^2/NDF : 22.8/20

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

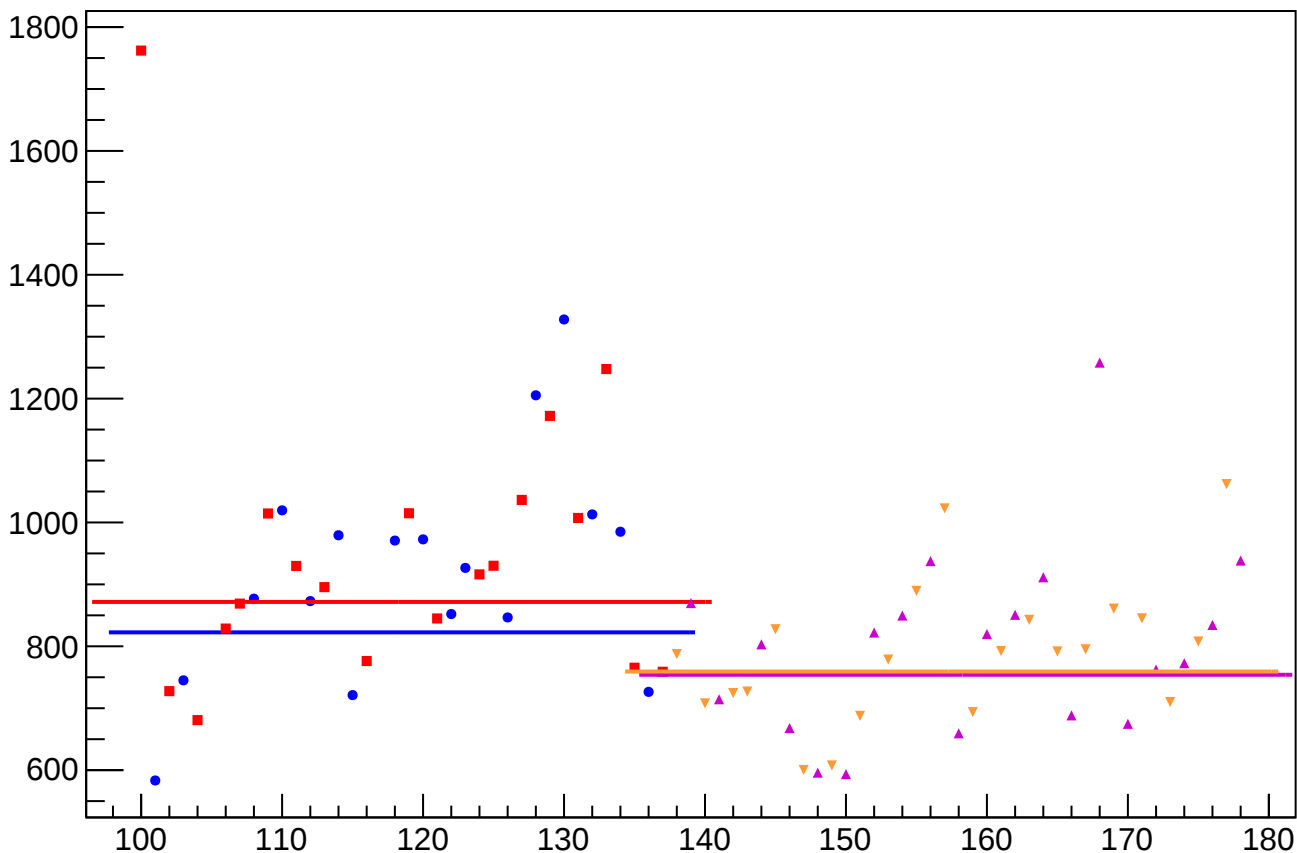
Left In: -25.695 ± 194.468 χ^2/NDF : 19.9/19

+ sign 274.831 ± 166.708 χ^2/NDF : 42.1/37

All: 201.005 ± 118.283 χ^2/NDF : 79.4/76

- sign -126.163 ± 167.853 χ^2/NDF : 36.9/38

asym_right_avg_correction_rms vs Slug



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

Left Out: 759.272 ± 0.137 χ^2/NDF : 599688.1/20

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

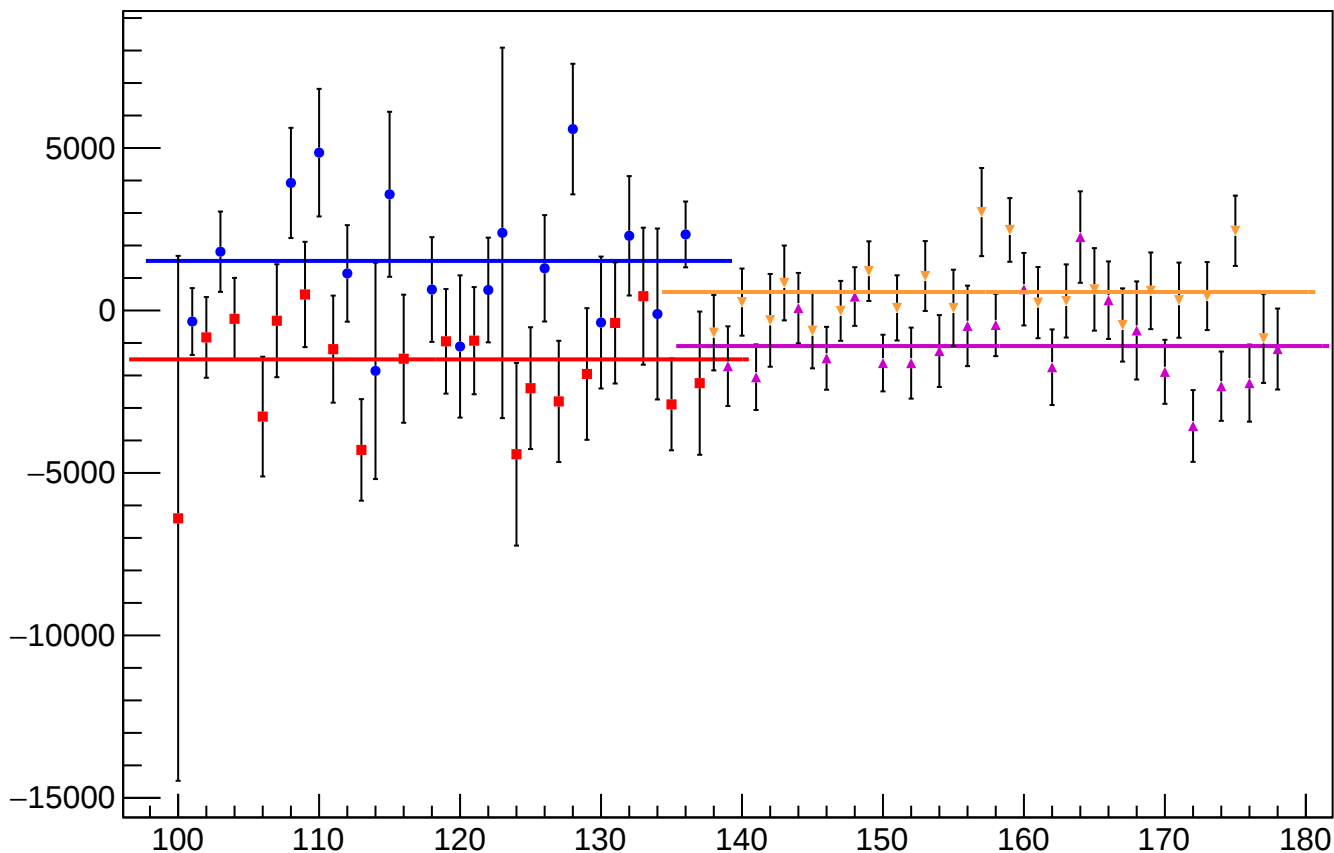
Left In: 754.019 ± 0.138 χ^2/NDF : 866616.5/19

+ sign 775.653 ± 0.118 χ^2/NDF : 1255902.3/37

All: 779.809 ± 0.084 χ^2/NDF : 2718565.7/76

- sign 784.022 ± 0.119 χ^2/NDF : 1460161.0/38

asym_right_avg_mean vs Slug



Right In: 1525.470 ± 401.784 $\chi^2/\text{NDF}: 18.2/16$

Left Out: 568.548 ± 242.586 $\chi^2/\text{NDF}: 16.5/20$

Right Out: -1504.406 ± 399.953 $\chi^2/\text{NDF}: 12.1/18$

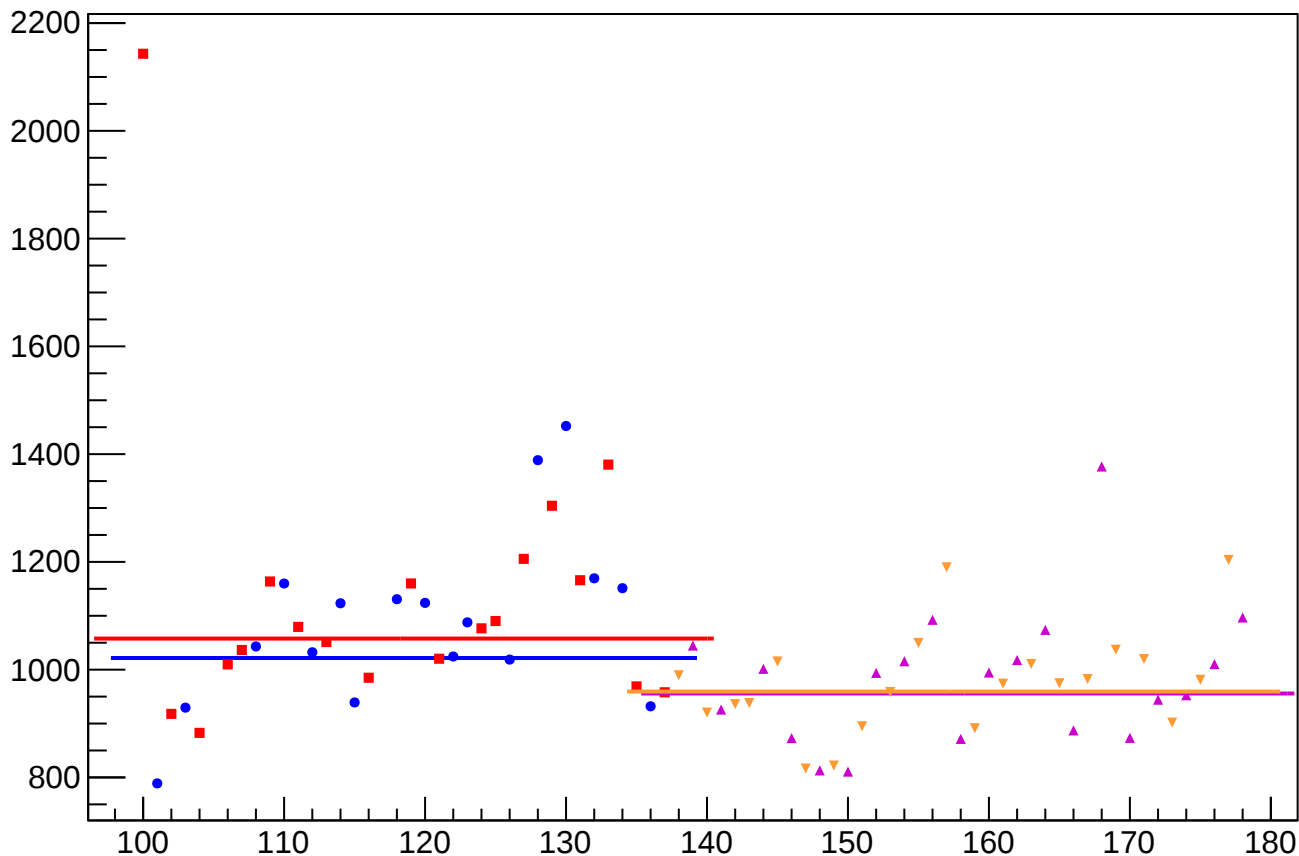
Left In: -1095.069 ± 244.189 $\chi^2/\text{NDF}: 24.5/19$

+ sign 824.193 ± 207.669 $\chi^2/\text{NDF}: 38.9/37$

All: -187.377 ± 147.107 $\chi^2/\text{NDF}: 123.8/76$

- sign -1206.222 ± 208.415 $\chi^2/\text{NDF}: 37.4/38$

asym_right_avg_rms vs Slug



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

Left Out: 959.401+/-0.172 χ^2/NDF : 280432.6/20

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

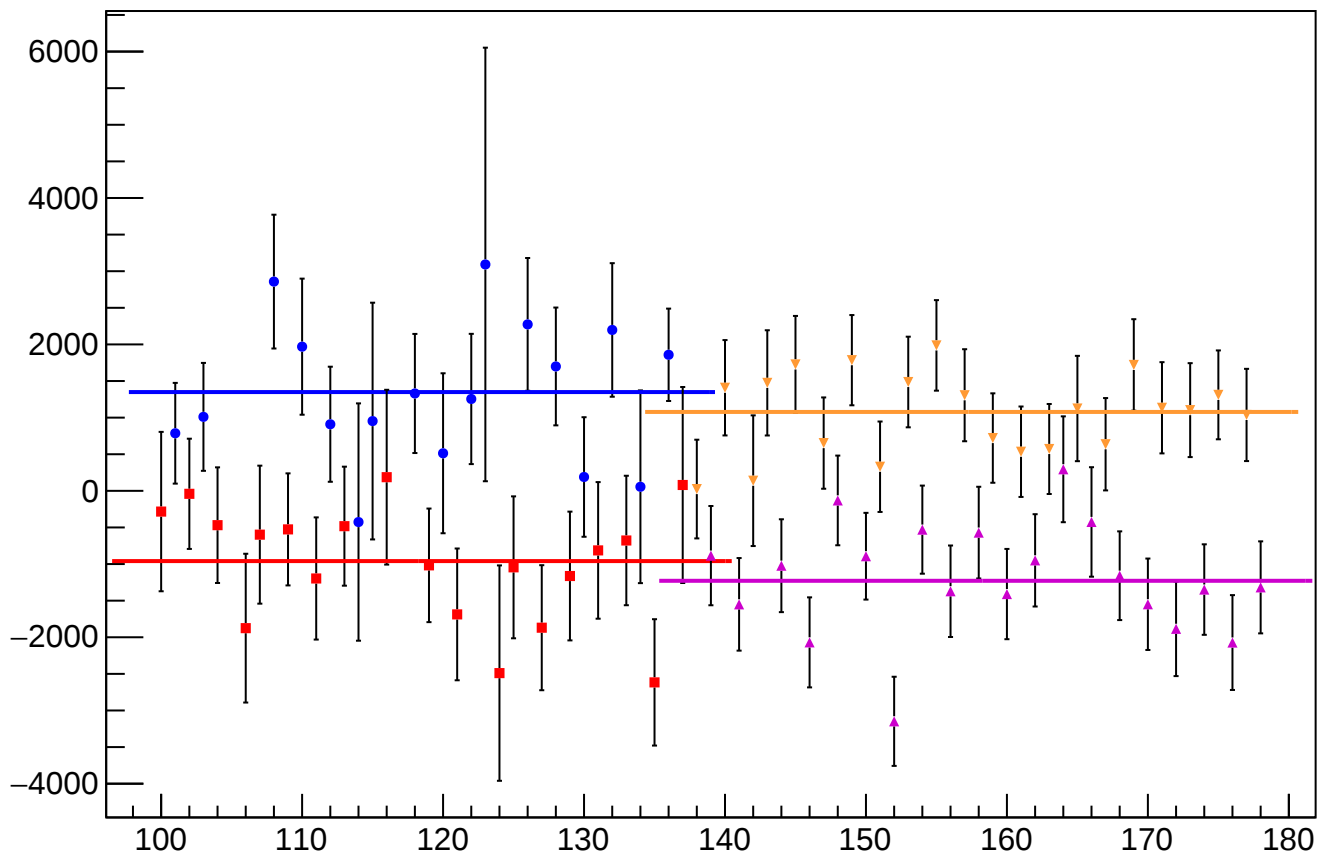
Left In: 955.740+/-0.173 χ^2/NDF : 412453.6/19

+ sign 976.035+/-0.147 χ^2/NDF : 647580.9/37

All: 979.724+/-0.104 χ^2/NDF : 1387017.2/76

- sign 983.440+/-0.147 χ^2/NDF : 738169.4/38

reg_asym_right_dd_mean vs Slug



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

Left Out: 1077.701 $\pm$ 140.282 χ^2/NDF : 14.6/20

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

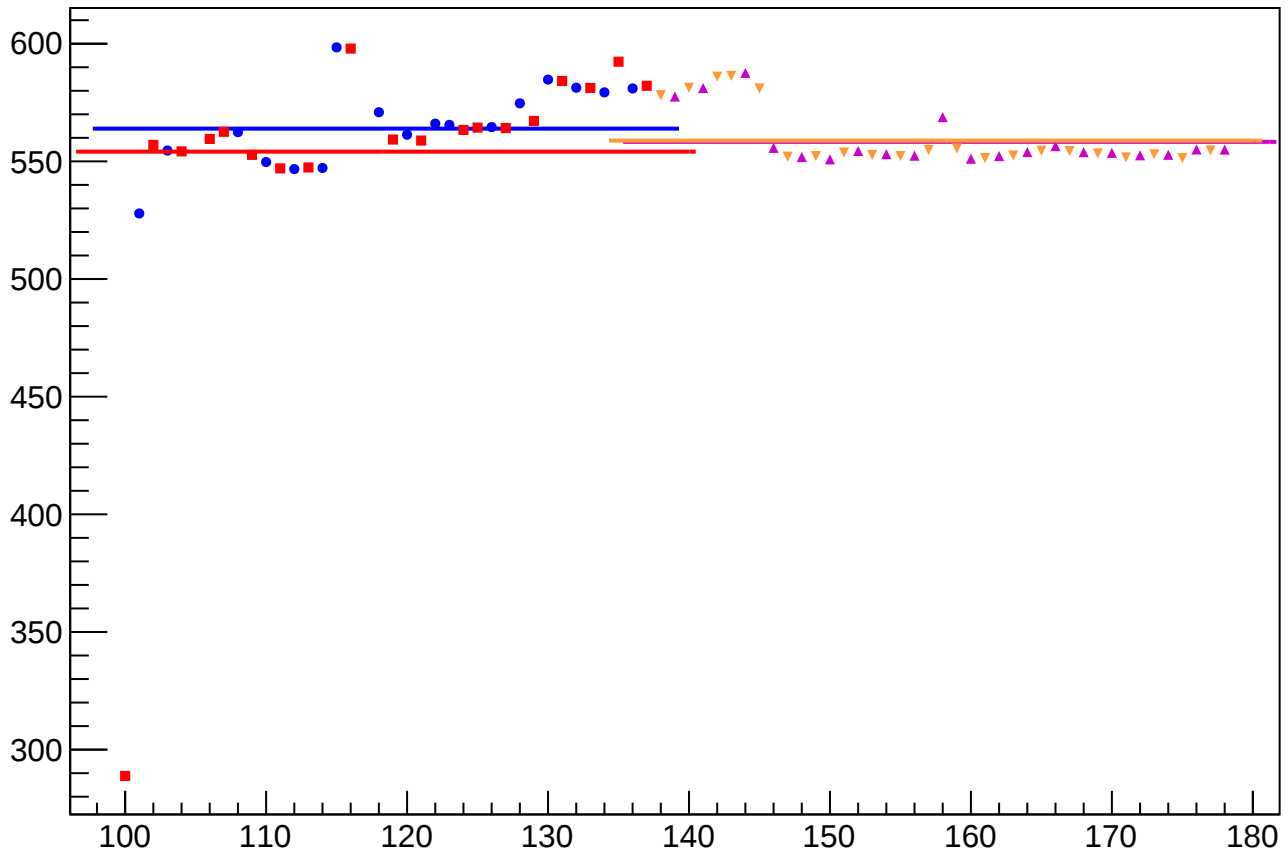
Left In: -1228.704 $\pm$ 141.472 χ^2/NDF : 27.4/19

+ sign 1157.005 $\pm$ 118.025 χ^2/NDF : 27.9/37

All: -3.311 $\pm$ 83.093 χ^2/NDF : 260.4/76

- sign -1143.636 $\pm$ 117.004 χ^2/NDF : 40.8/38

reg_asym_right_dd_rms vs Slug



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

Left Out: 558.831 $\pm$ 0.099 χ^2 /NDF:13843.6/20

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

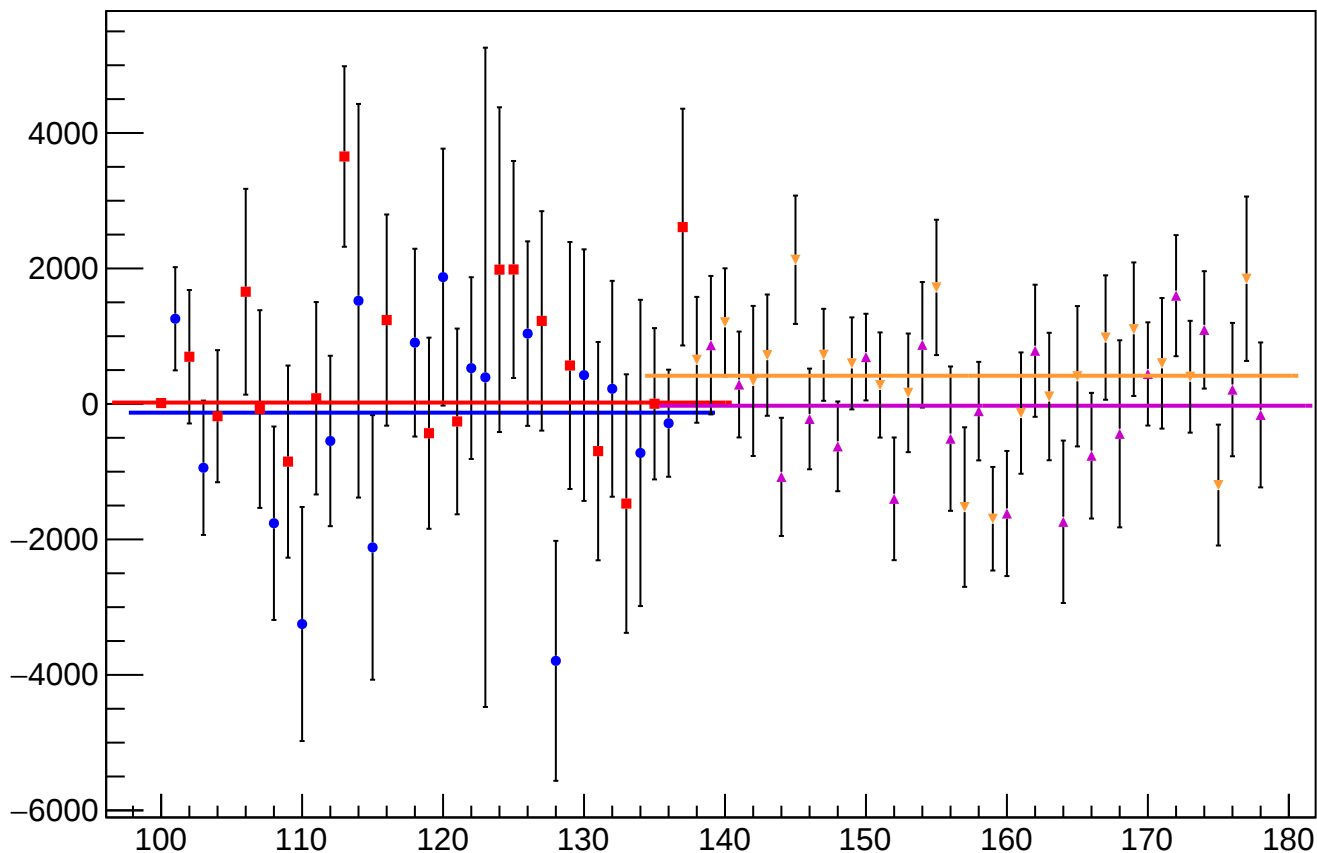
Left In: 558.301 $\pm$ 0.100 χ^2 /NDF:11216.5/19

+ sign 560.318 $\pm$ 0.083 χ^2 /NDF: 27276.3/37

All: 558.638 $\pm$ 0.059 χ^2 /NDF: 171806.7/76

- sign 556.987 $\pm$ 0.083 χ^2 /NDF: 143727.0/38

asym_right_dd_correction_mean vs Slug



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

Left Out: 416.323 ± 193.725 $\chi^2/\text{NDF}: 22.9/20$

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

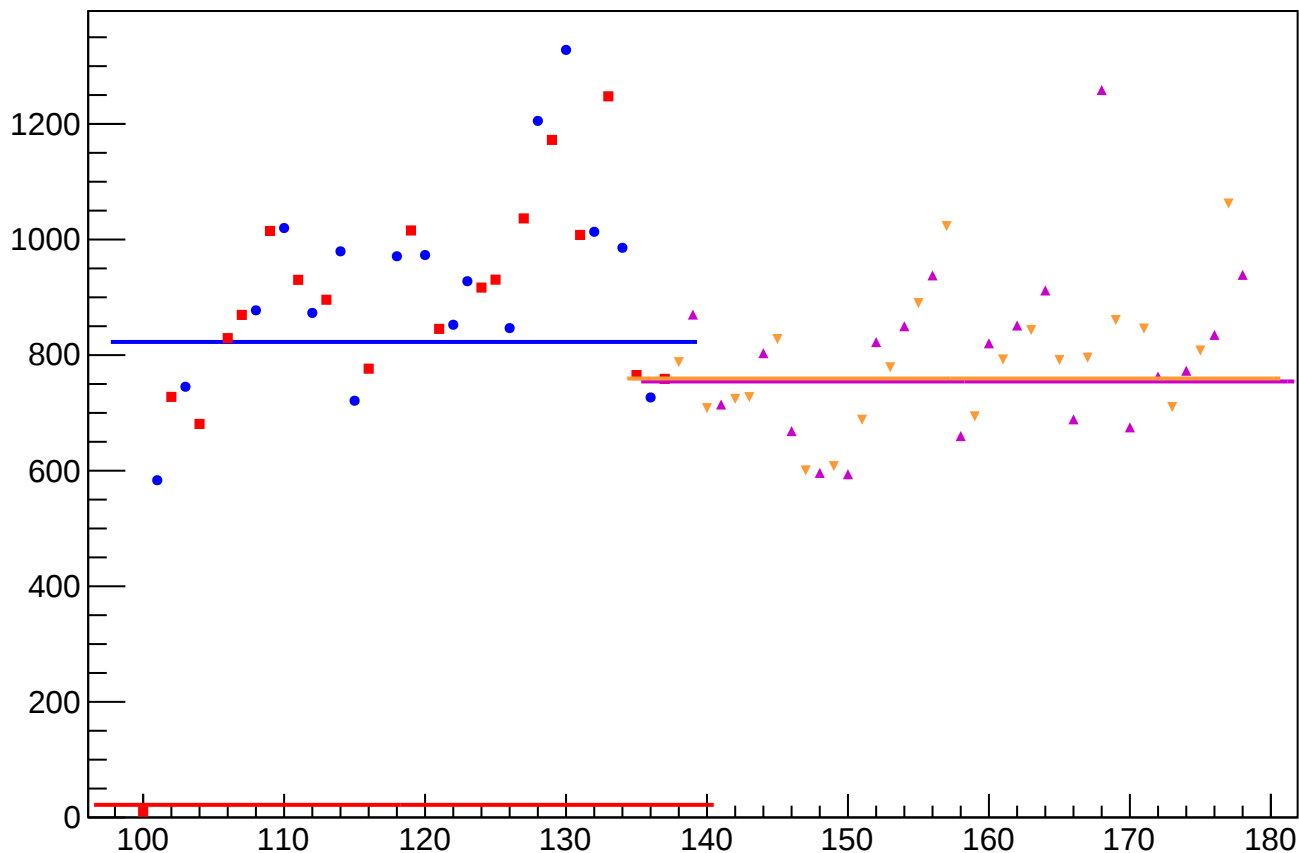
Left In: -26.459 ± 194.562 $\chi^2/\text{NDF}: 19.8/19$

+ sign 275.163 ± 166.763 $\chi^2/\text{NDF}: 42.2/37$

All: 31.368 ± 37.232 $\chi^2/\text{NDF}: 80.4/76$

- sign 18.579 ± 38.196 $\chi^2/\text{NDF}: 36.0/38$

asym_right_dd_correction_rms vs Slug



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

Left Out: 759.516 $\pm$ 0.137 χ^2 /NDF: 599715.7/20

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

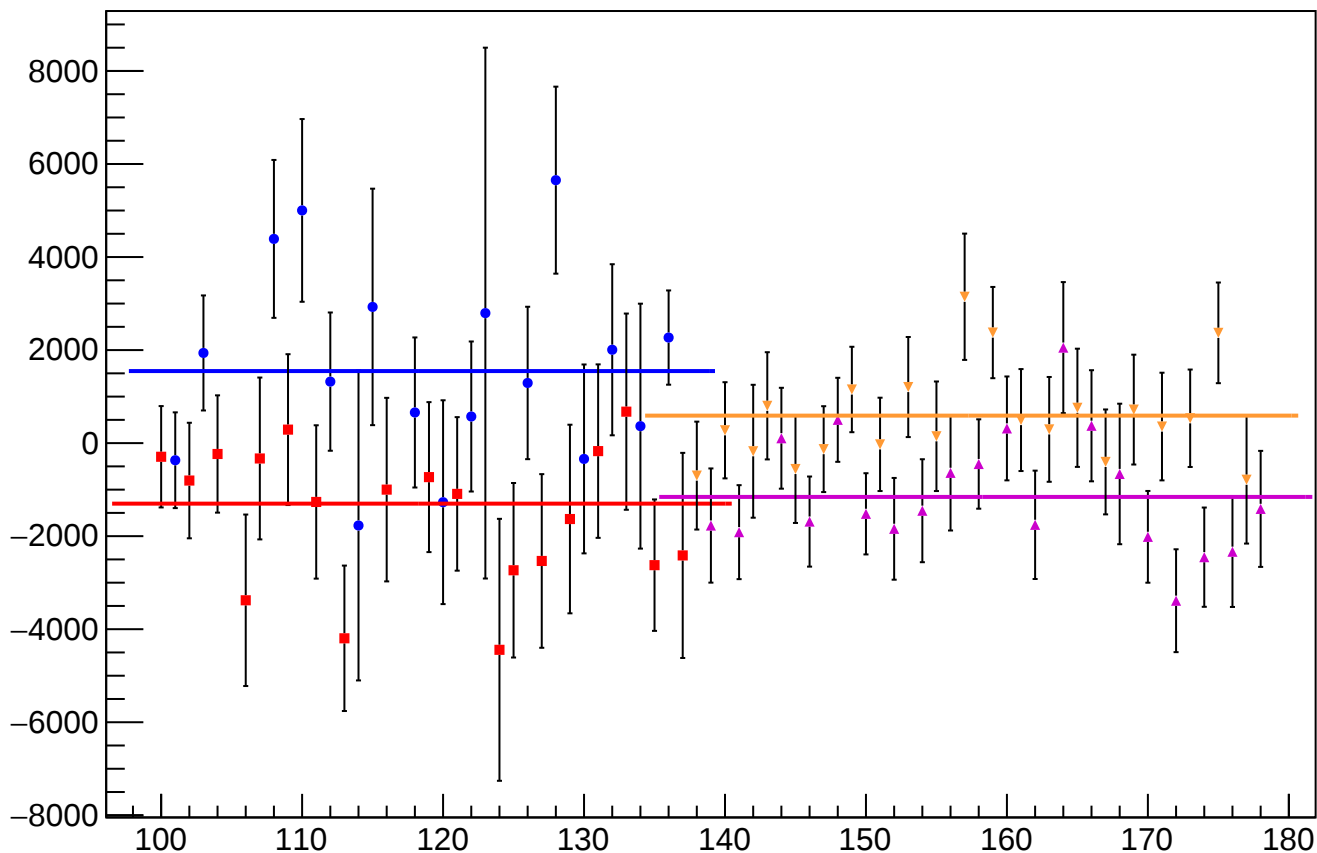
Left In: 754.391 $\pm$ 0.138 χ^2 /NDF: 866386.4/19

+ sign 775.901 $\pm$ 0.118 χ^2 /NDF: 1255827.7/37

All: 86.228 $\pm$ 0.026 χ^2 /NDF: 78909252.9/76

- sign 50.046 $\pm$ 0.027 χ^2 /NDF: 41651588.0/38

asym_right_dd_mean vs Slug



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

Left Out: 591.130 $\pm$ 242.721 χ^2 /NDF:16.0/20

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

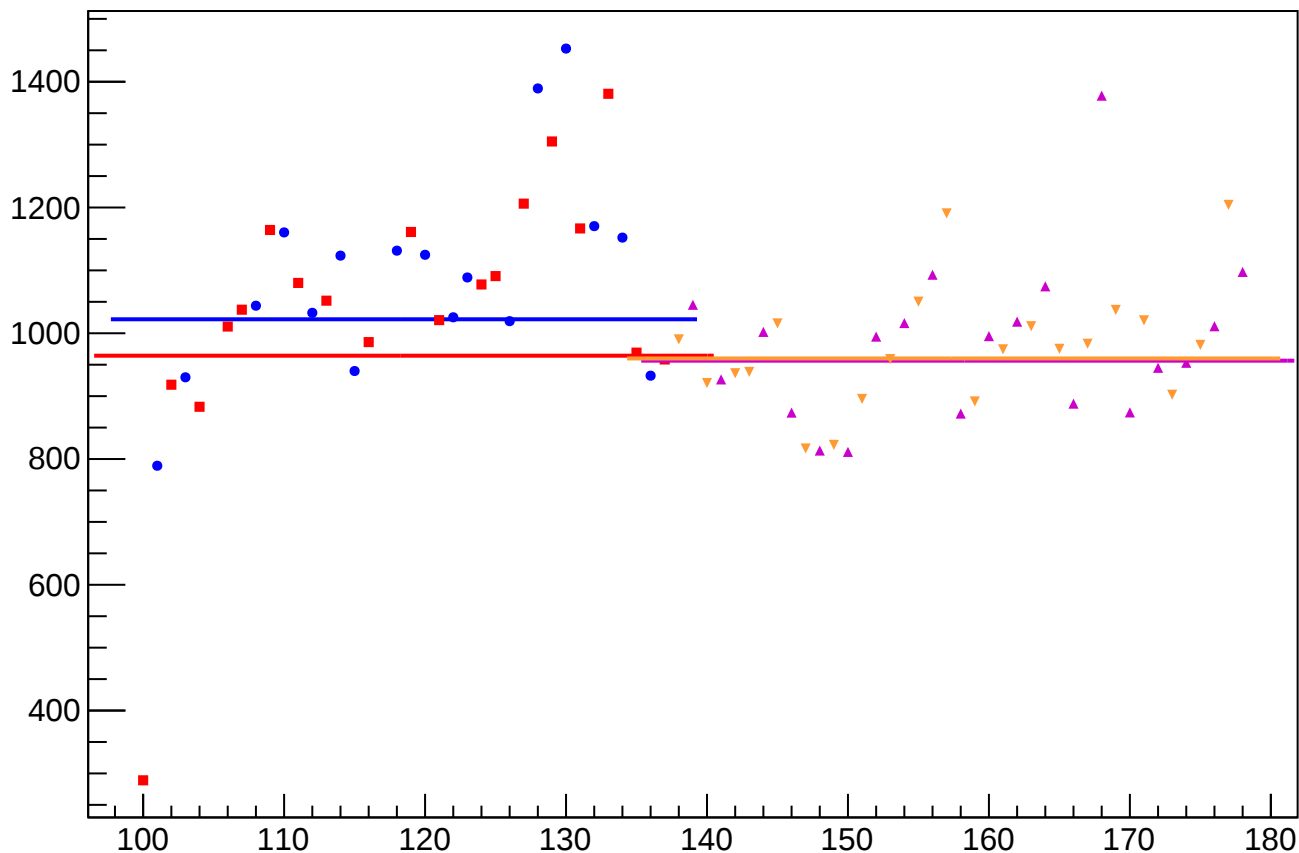
Left In: -1156.502 $\pm$ 244.360 χ^2 /NDF:23.5/19

+ sign 846.993 $\pm$ 207.785 χ^2 /NDF: 39.1/37

All: -190.508 $\pm$ 145.895 χ^2 /NDF: 124.4/76

- sign -1199.387 $\pm$ 204.899 χ^2 /NDF: 36.1/38

asym_right_dd_rms vs Slug



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

Left Out: 959.931+/-0.172 χ^2/NDF : 280415.6/20

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

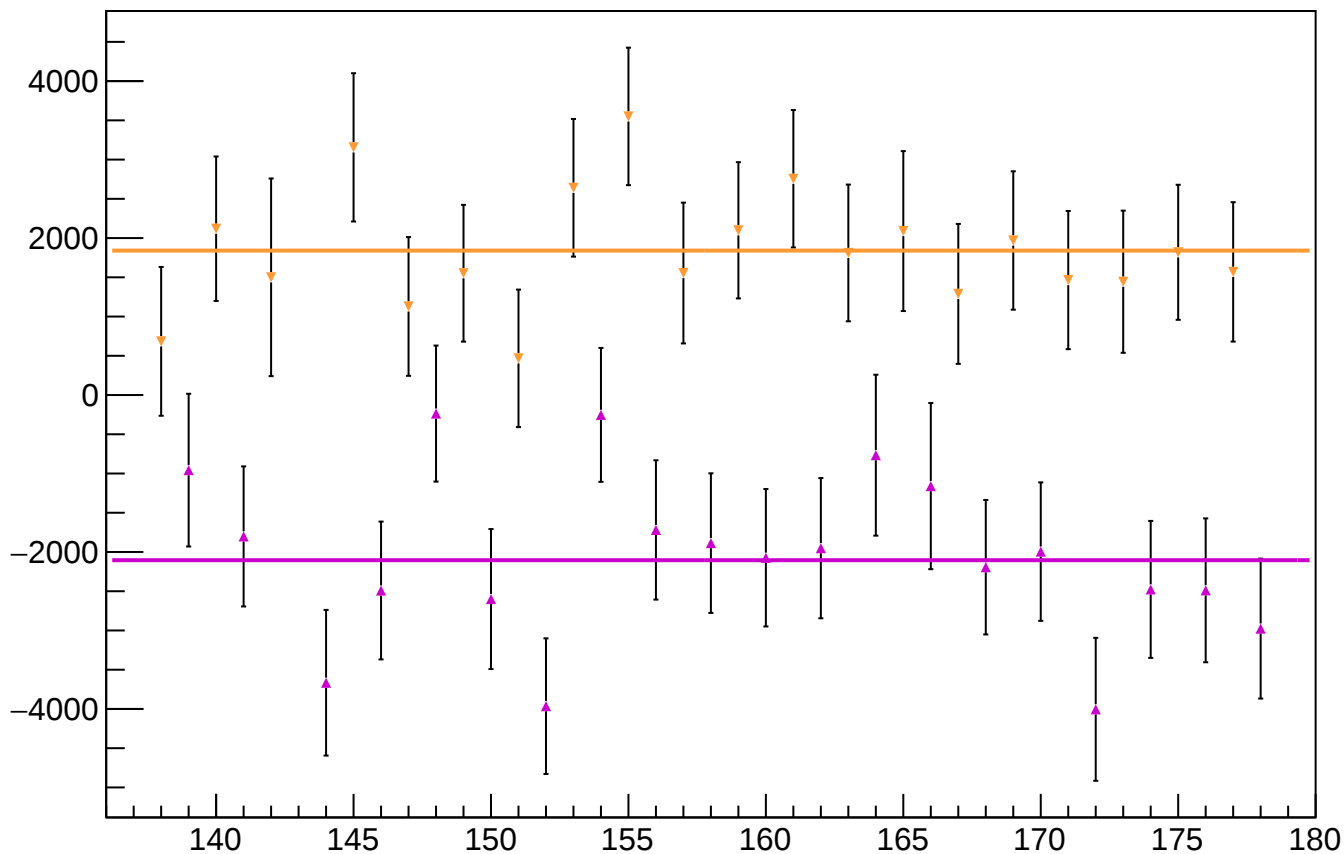
Left In: 956.417+/-0.173 χ^2/NDF : 412172.0/19

+ sign 976.577+/-0.147 χ^2/NDF : 647493.9/37

All: 967.547+/-0.103 χ^2/NDF : 2135020.3/76

- sign 958.766+/-0.145 χ^2/NDF : 1480075.9/38

cor_asym_us_avg_mean vs Slug



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

Left Out: 1840.527+/-202.545 χ^2/NDF :13.7/19

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

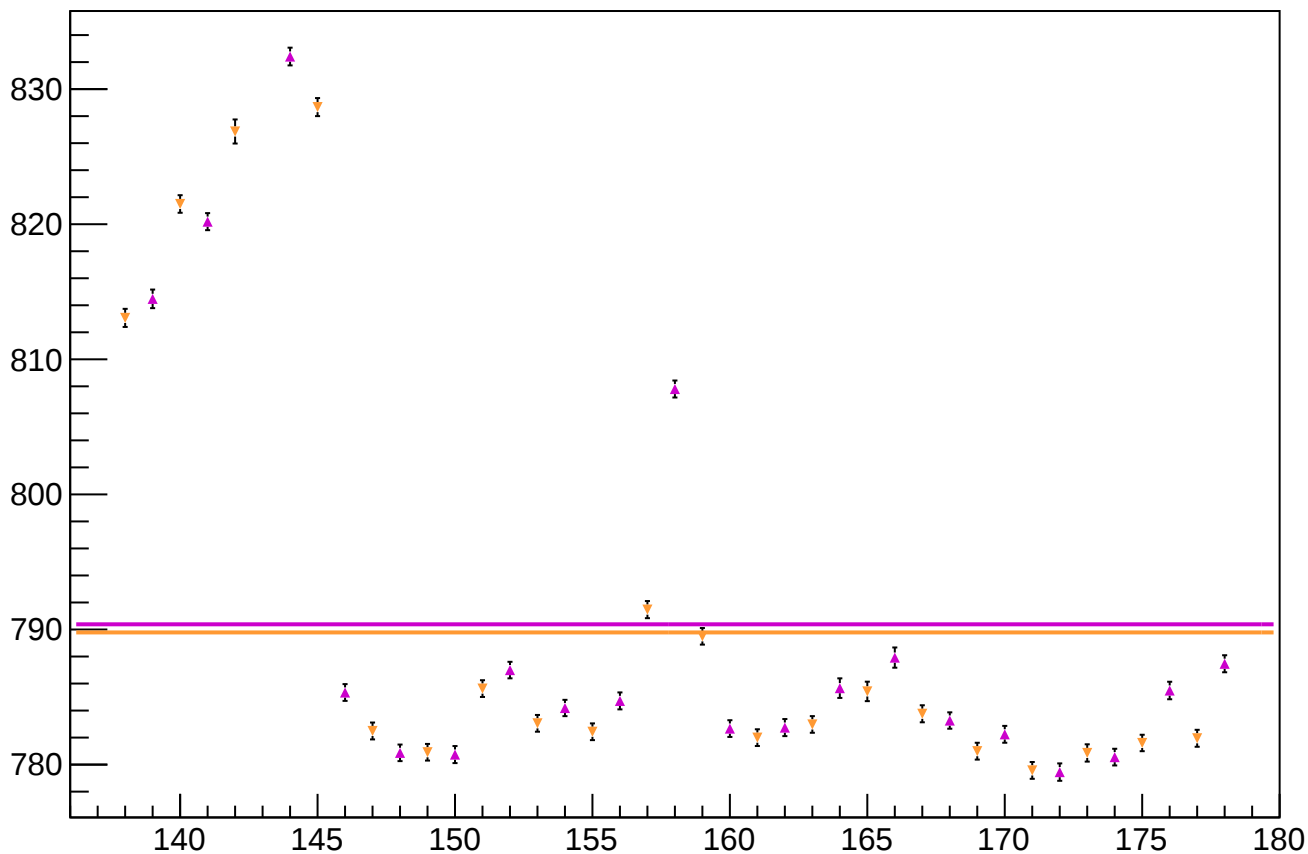
Left In: -2104.686+/-201.544 χ^2/NDF :27.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -141.853+/-142.866 χ^2/NDF : 231.6/39

- 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: 789.783+/-0.143 χ^2/NDF :10765.6/19

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

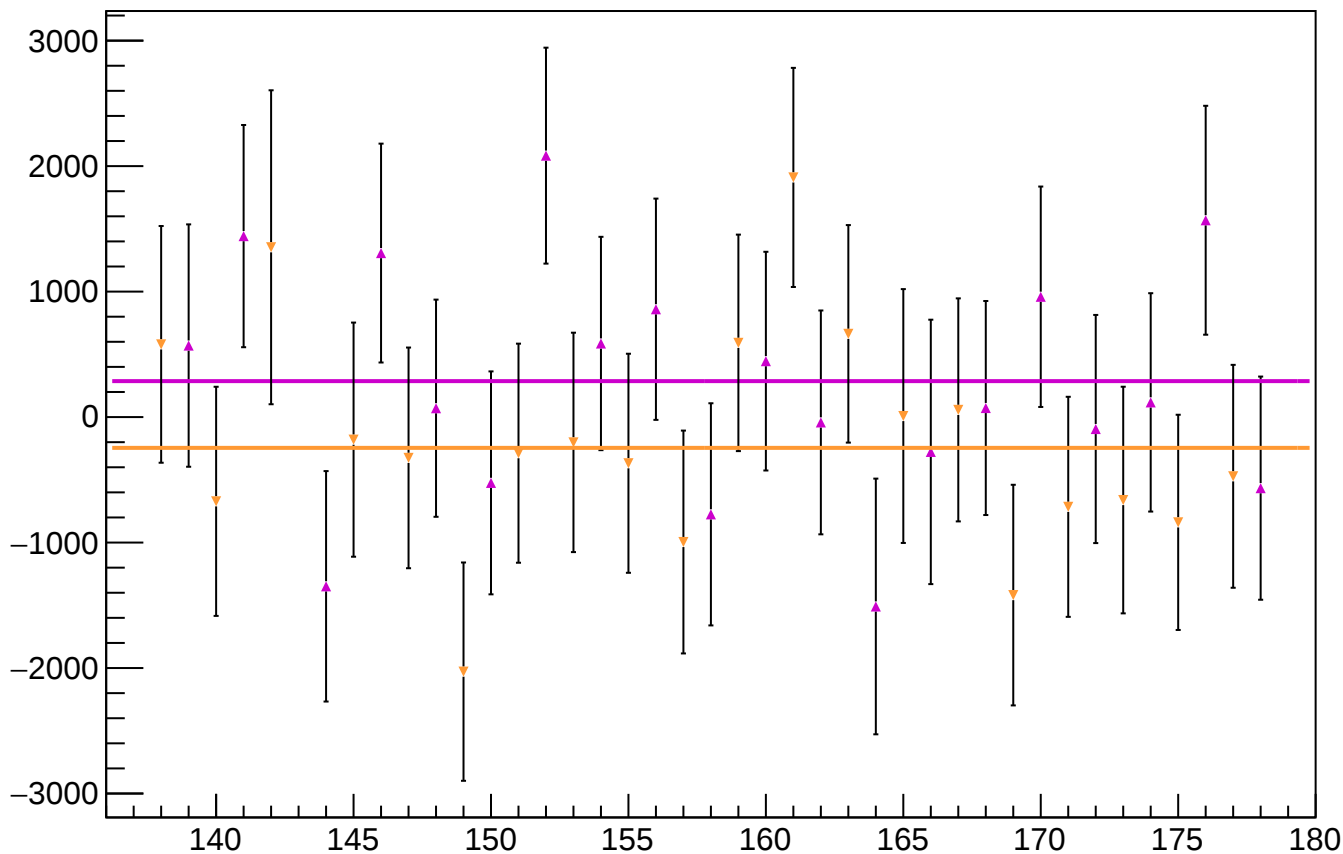
Left In: 790.385+/-0.143 χ^2/NDF :10367.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 790.086+/-0.101 χ^2/NDF : 21141.7/39

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_us_dd_mean vs Slug



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

Left Out: -245.338 $\pm$ 201.602 χ^2 /NDF:18.7/19

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

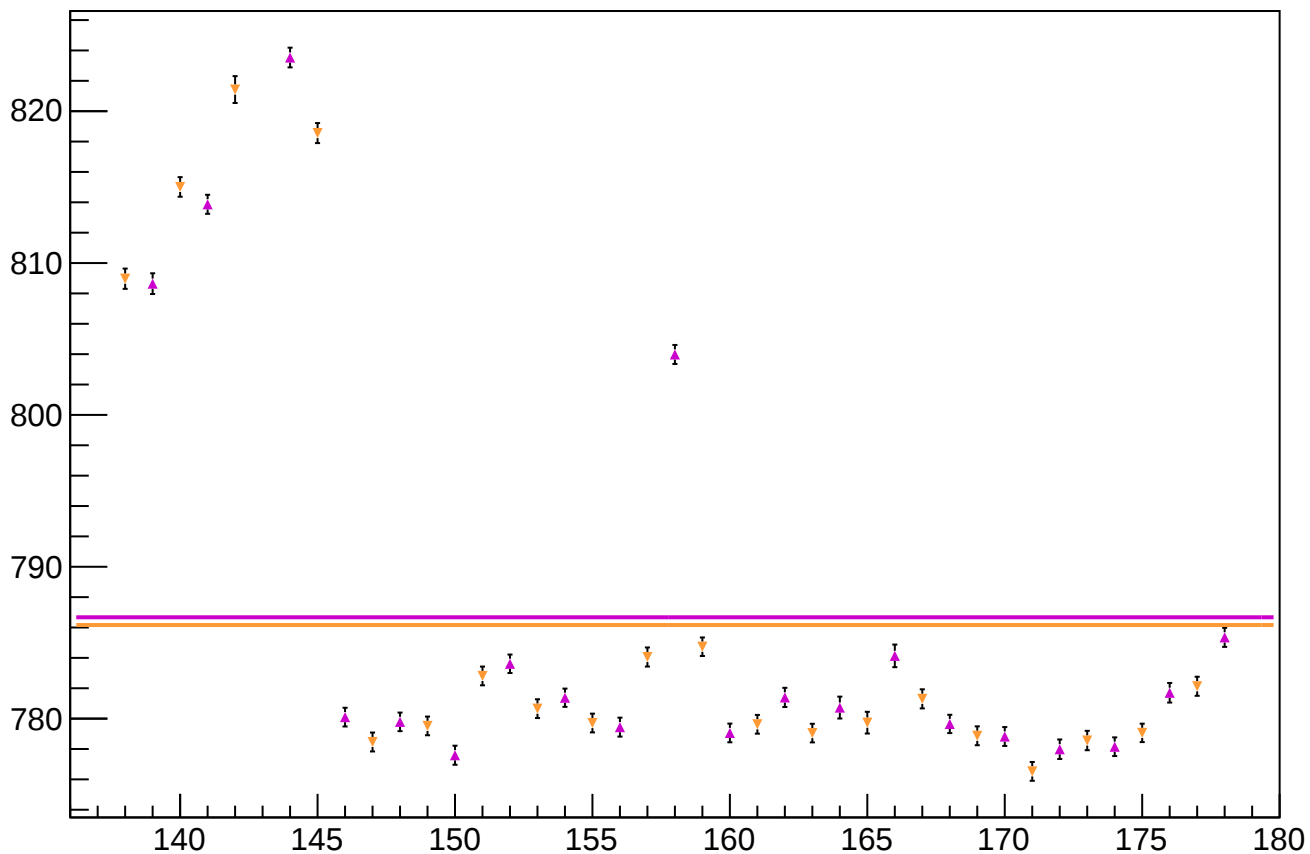
Left In: 286.568 $\pm$ 200.589 χ^2 /NDF:20.9/19

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

All: 21.954 $\pm$ 142.195 χ^2 /NDF: 43.1/39

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

cor_asym_us_dd_rms vs Slug



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

Left Out: 786.165+/-0.143 χ^2/NDF : 8757.7/19

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

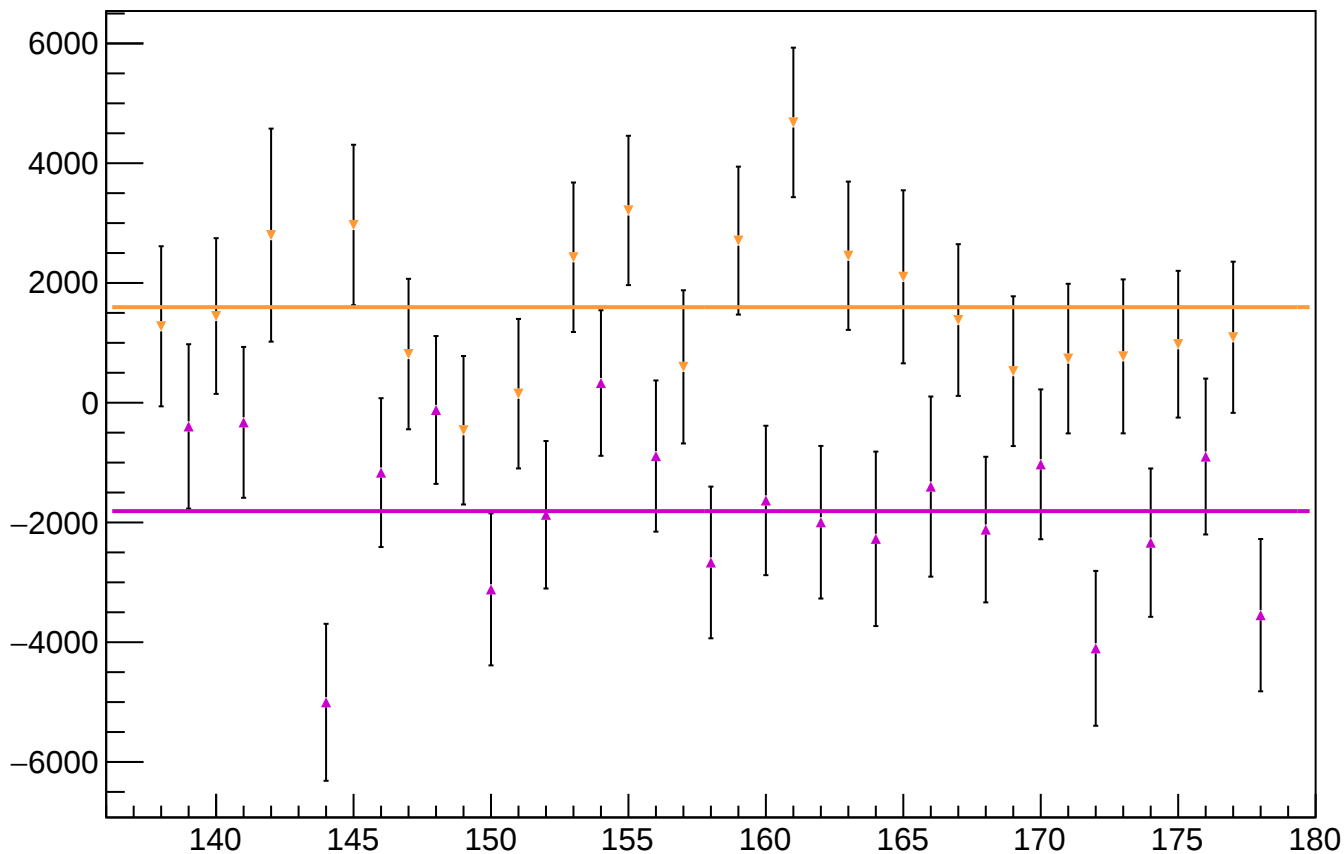
Left In: 786.673+/-0.142 χ^2/NDF : 8631.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 786.420+/-0.101 χ^2/NDF : 17395.8/39

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_asym_usl_mean vs Slug



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

Left Out: 1595.893 $\pm$ 287.810 χ^2 /NDF:18.4/19

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

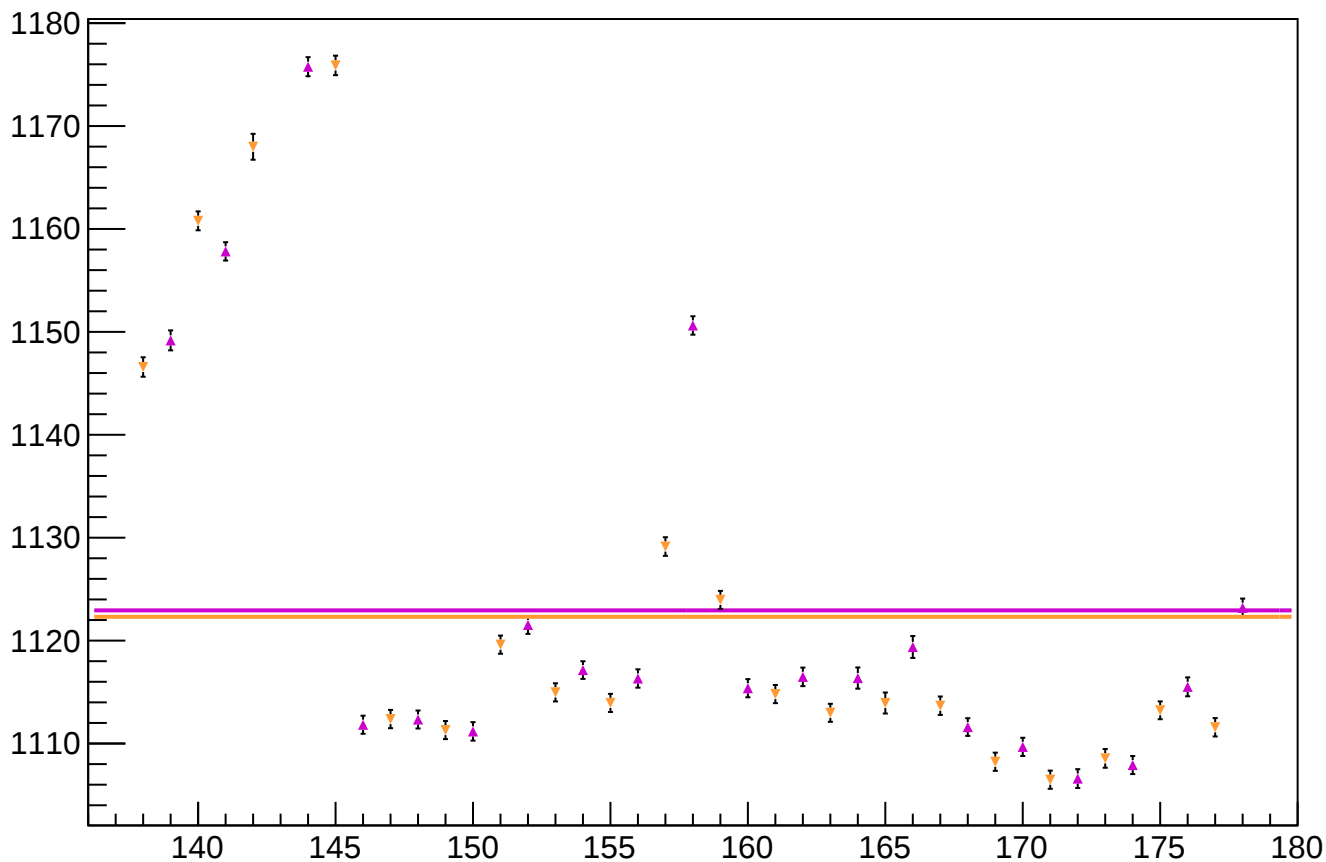
Left In: -1810.845 $\pm$ 286.332 χ^2 /NDF:22.0/19

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

All: -116.246 $\pm$ 202.988 χ^2 /NDF: 110.8/39

- sign 0.000 $\pm$ 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: 1122.315+/-0.204 χ^2/NDF : 8839.9/19

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

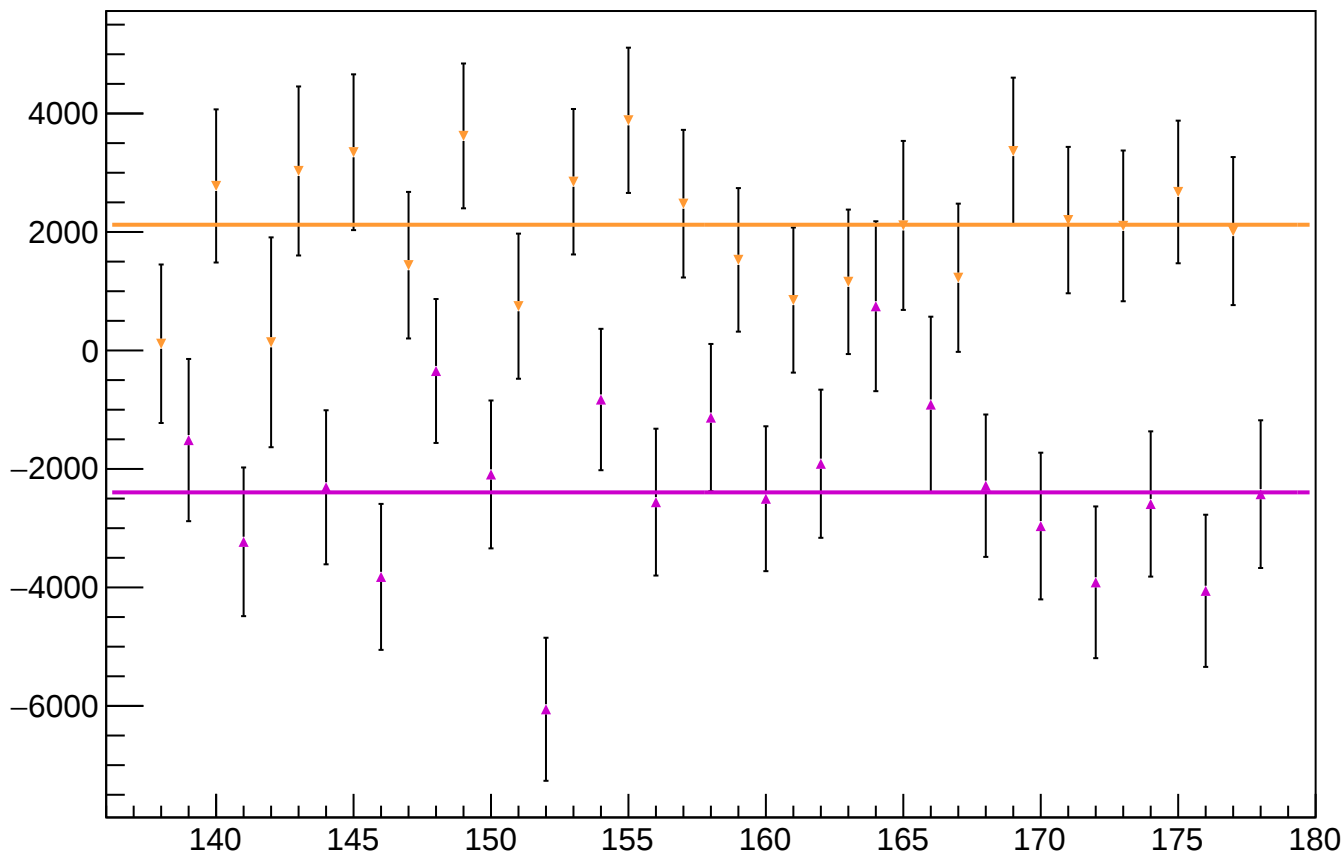
Left In: 1122.937+/-0.202 χ^2/NDF : 8303.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1122.628+/-0.144 χ^2/NDF : 17147.7/39

- 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: 2122.354+/-278.282 χ^2/NDF : 14.3/20

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

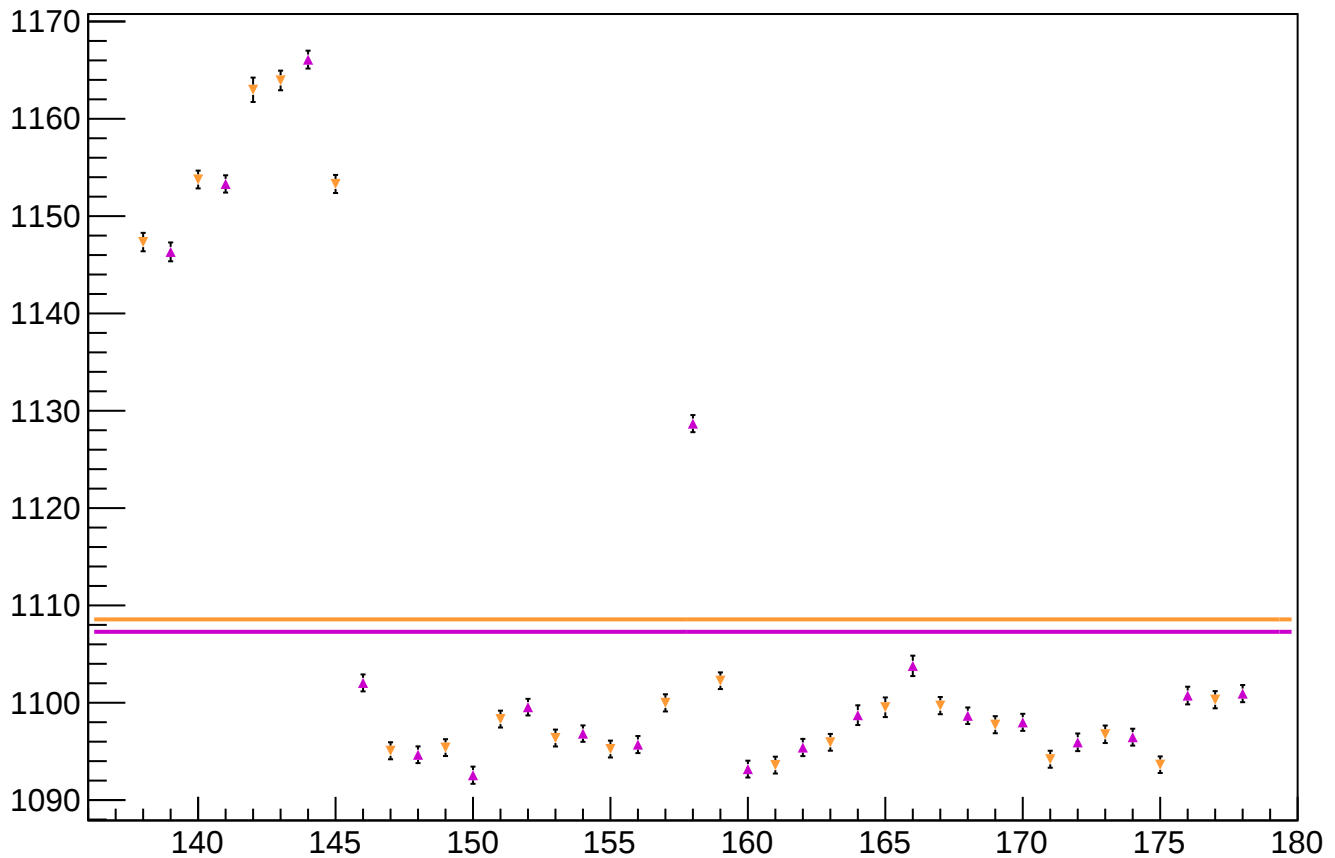
Left In: -2395.521+/-282.354 χ^2/NDF : 26.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -103.771+/-198.199 χ^2/NDF : 170.5/40

- 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: 1108.565+/-0.197 χ^2/NDF :14218.7/20

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

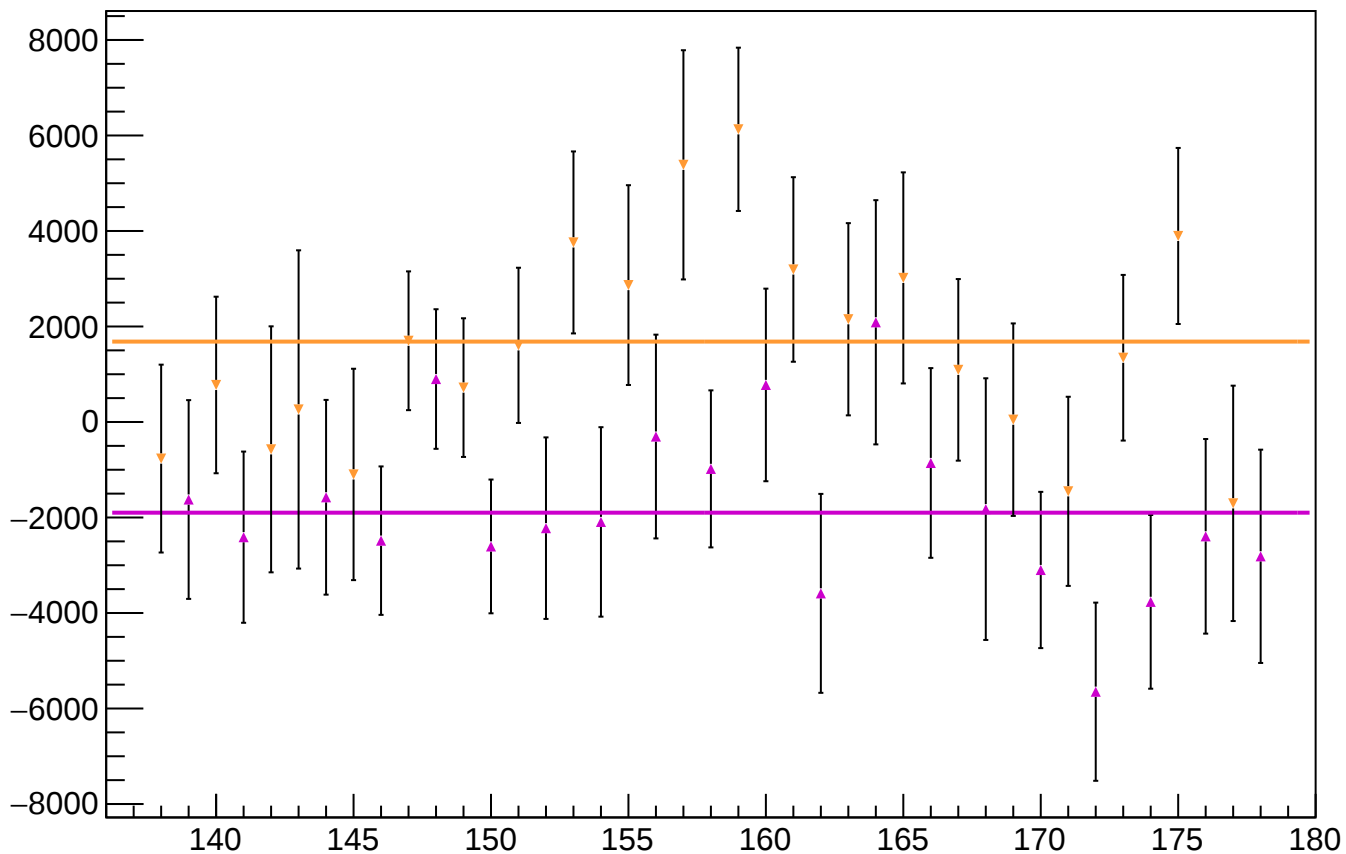
Left In: 1107.288+/-0.200 χ^2/NDF :11101.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1107.936+/-0.140 χ^2/NDF : 25340.7/40

- 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: 1683.754+/-421.432 χ^2/NDF : 23.1/20

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

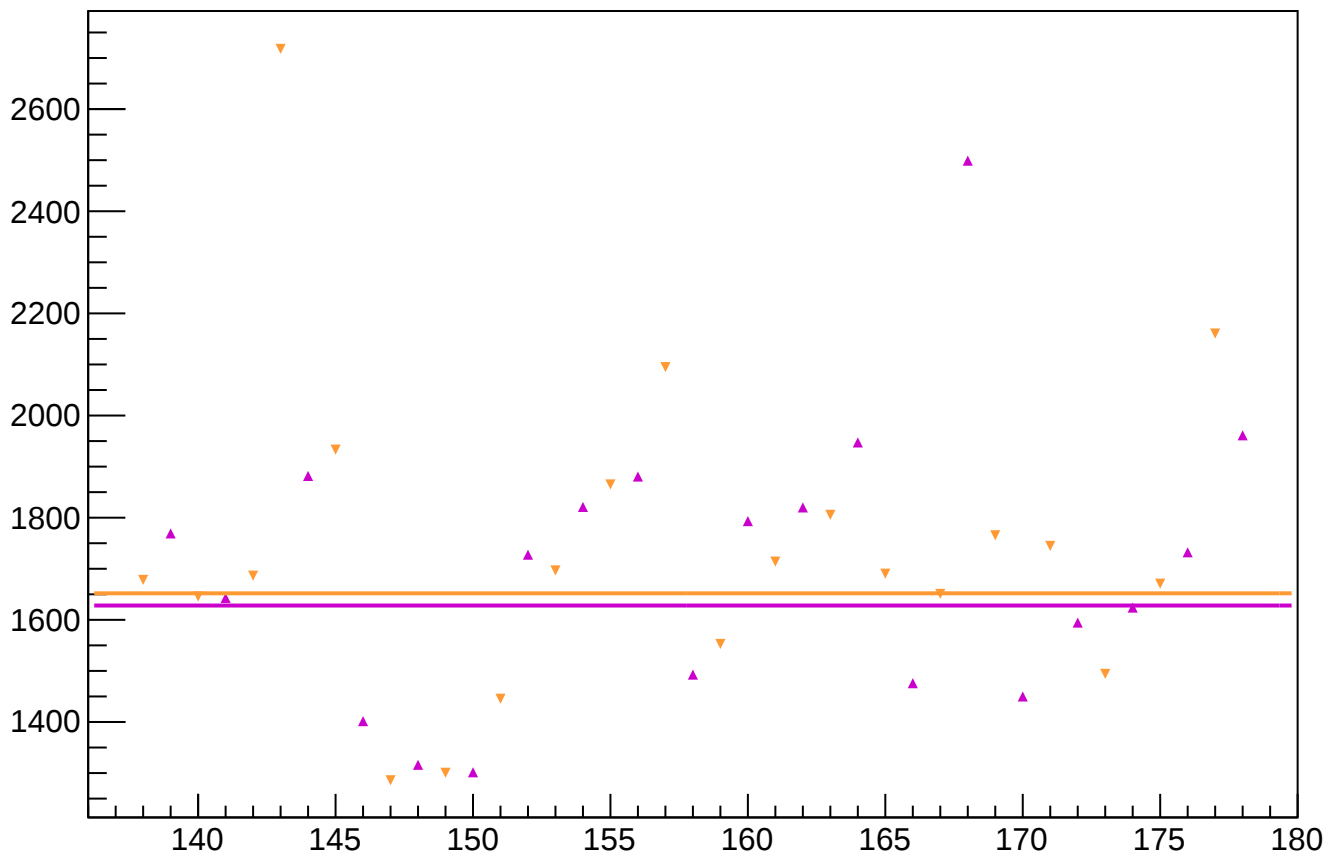
Left In: -1899.175+/-418.295 χ^2/NDF : 16.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -121.097+/-296.882 χ^2/NDF : 75.6/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_rms vs Slug



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

Left Out: 1651.942 $\pm$ 0.298 χ^2 /NDF:737736.8/20

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

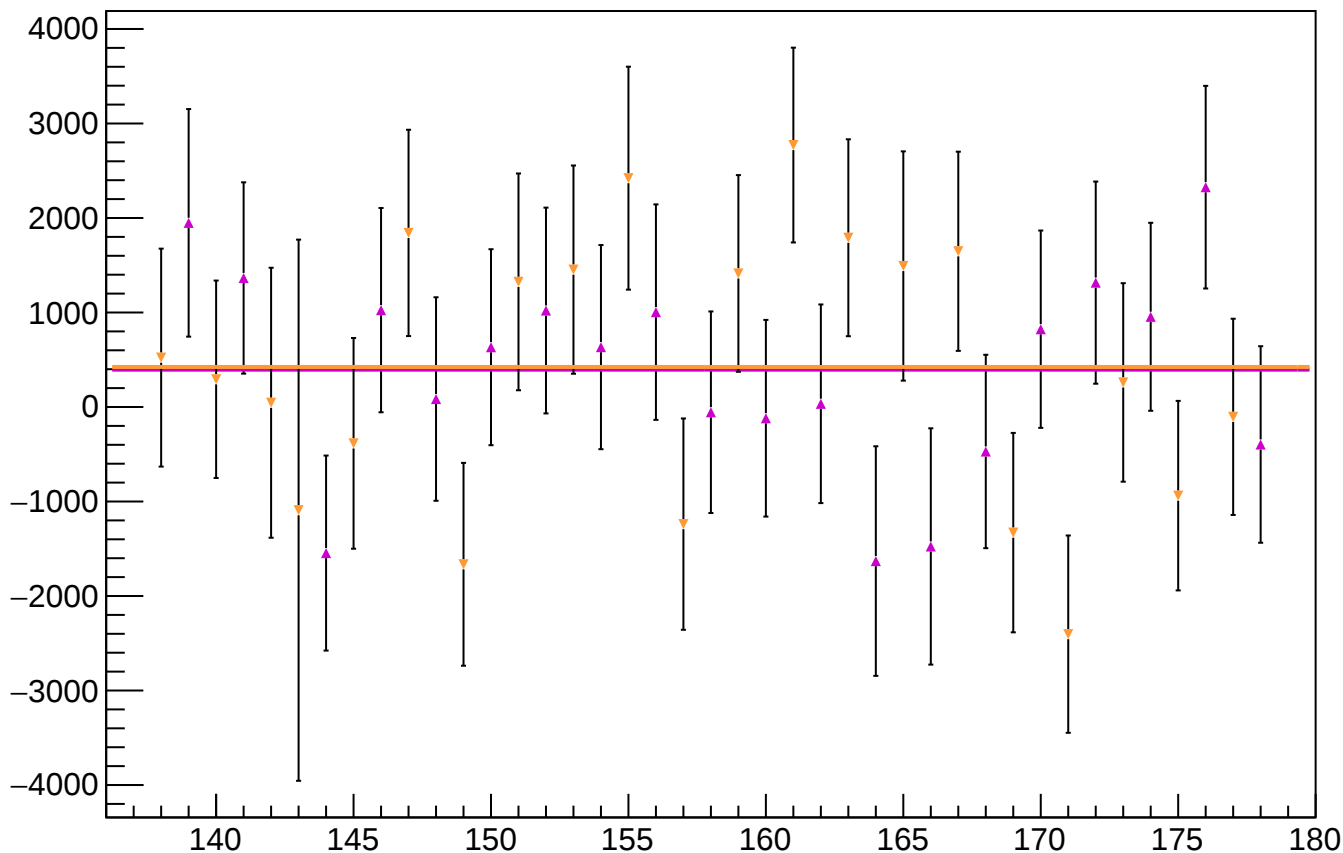
Left In: 1628.034 $\pm$ 0.296 χ^2 /NDF:697976.4/19

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

All: 1639.899 $\pm$ 0.210 χ^2 /NDF: 1438955.5/40

- sign 0.000 $\pm$ 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: 423.768+/-243.212 χ^2/NDF :35.1/20

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

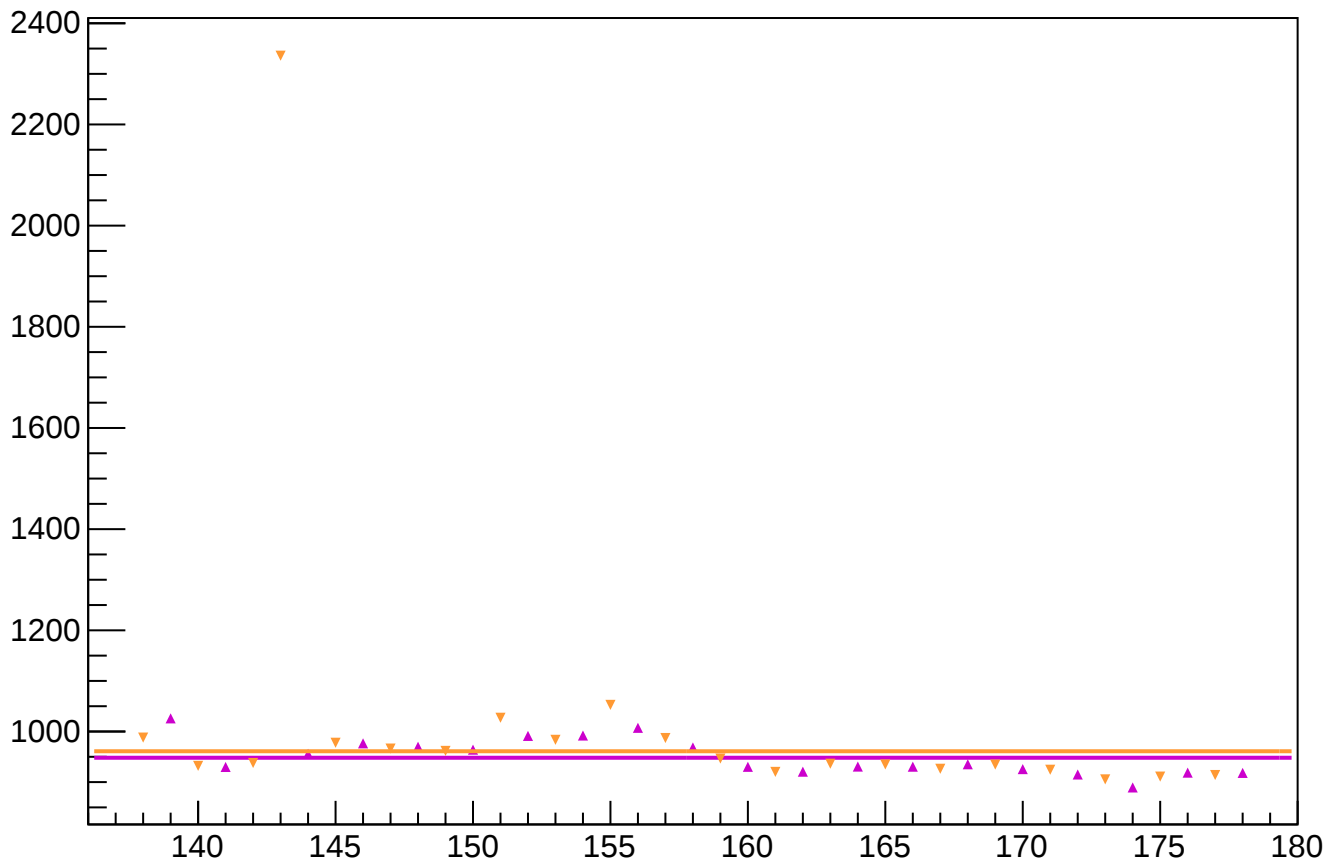
Left In: 395.456+/-240.411 χ^2/NDF :18.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 409.448+/-170.978 χ^2/NDF : 53.7/40

- 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: 960.982+/-0.172 χ^2/NDF : 511630.1/20

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

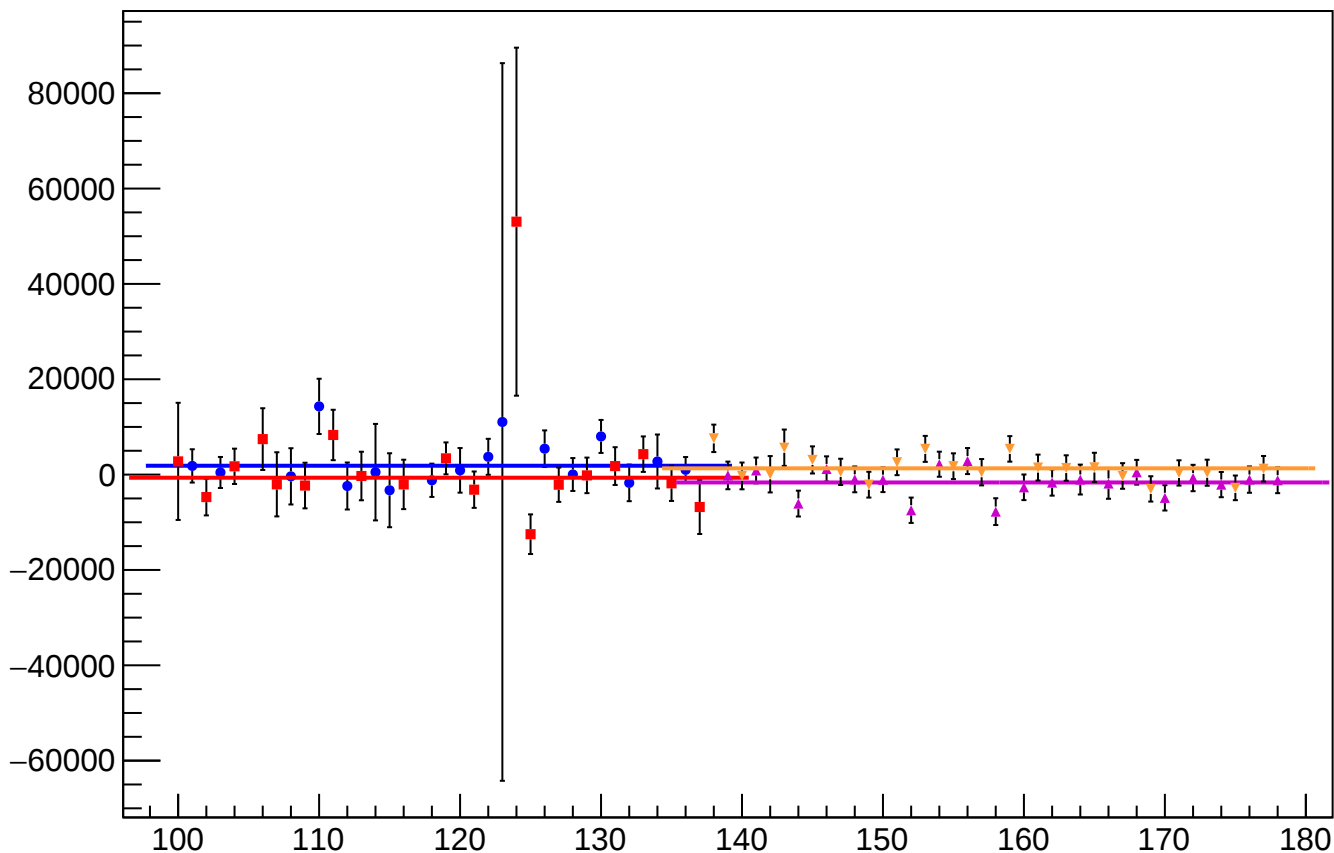
Left In: 948.124+/-0.170 χ^2/NDF : 40439.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 954.478+/-0.121 χ^2/NDF : 554896.2/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_mean vs Slug



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

Left Out: 1315.767 $\pm$ 610.427 χ^2 /NDF:19.2/20

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

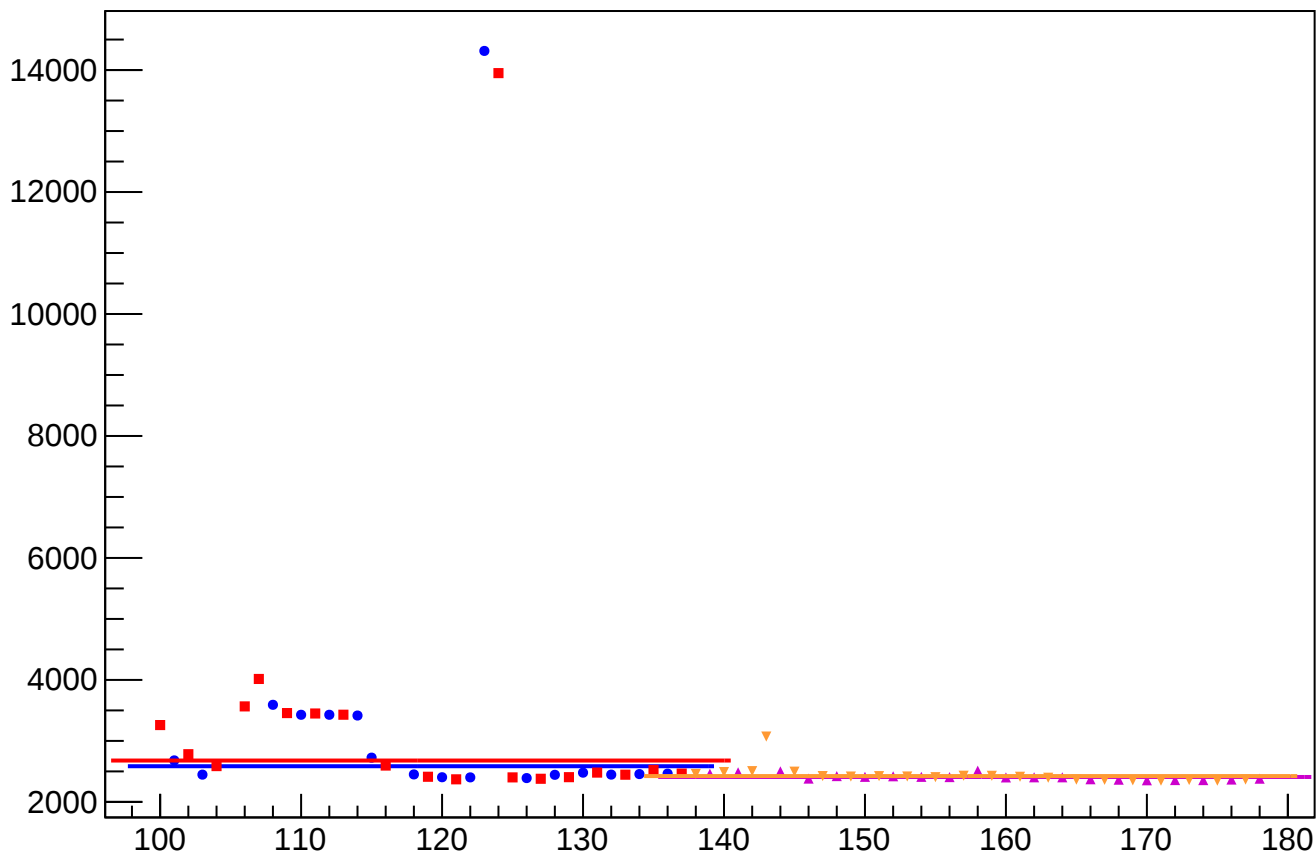
Left In: -1647.594 $\pm$ 612.134 χ^2 /NDF:22.0/19

+ sign 1460.590 $\pm$ 522.898 χ^2 /NDF: 31.9/37

All: 44.051 $\pm$ 370.620 χ^2 /NDF: 91.5/76

- sign -1385.981 $\pm$ 525.382 χ^2 /NDF: 44.8/38

reg_asym_atl1_rms vs Slug



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

Left Out: 2423.338+/-0.432 χ^2/NDF : 70389.0/20

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

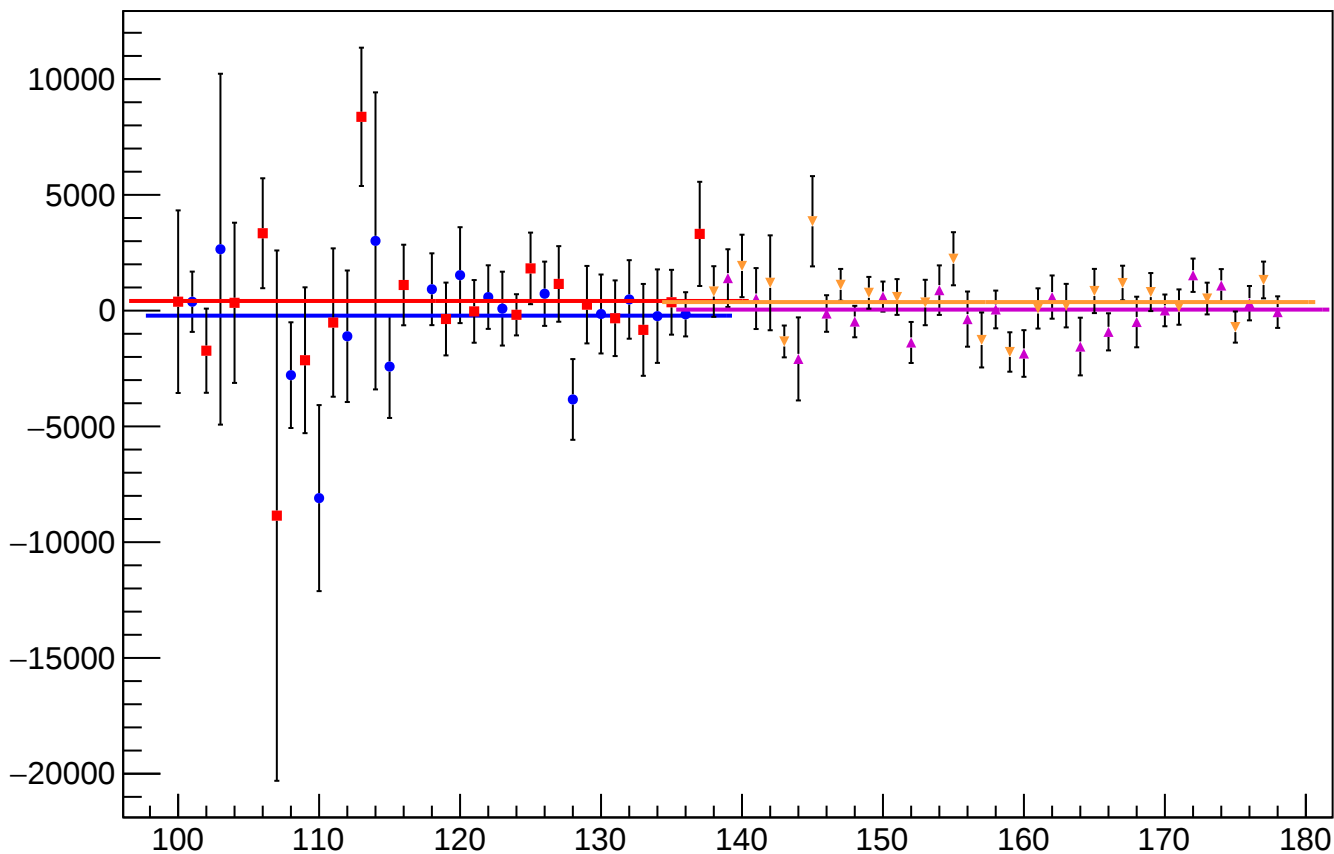
Left In: 2408.403+/-0.433 χ^2/NDF : 11398.1/19

+ sign 2466.327+/-0.370 χ^2/NDF : 363359.4/37

All: 2472.864+/-0.262 χ^2/NDF : 1009822.7/70

- sign 2479.464+/-0.372 χ^2/NDF : 645835.2/38

asym_atl1_correction_mean vs Slug



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

Left Out: 369.828 ± 188.035 χ^2/NDF : 29.6/20

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

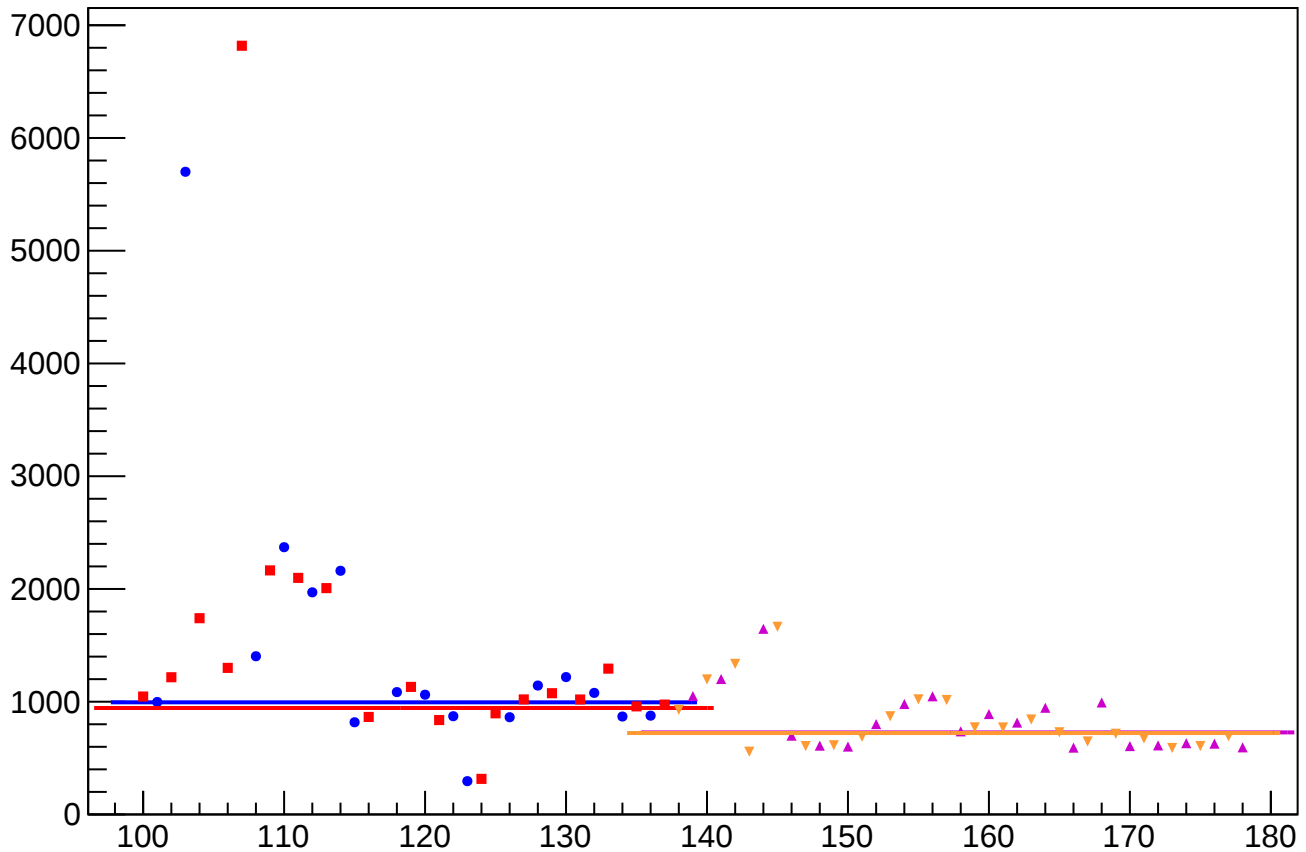
Left In: 44.245 ± 191.706 χ^2/NDF : 21.2/19

+ sign 271.872 ± 171.626 χ^2/NDF : 44.6/37

All: 192.560 ± 122.044 χ^2/NDF : 82.6/76

- sign 111.430 ± 173.582 χ^2/NDF : 37.5/38

asym_atl1_correction_rms vs Slug



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

Left Out: 722.270 ± 0.133 χ^2/NDF : 1707799.5/20

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

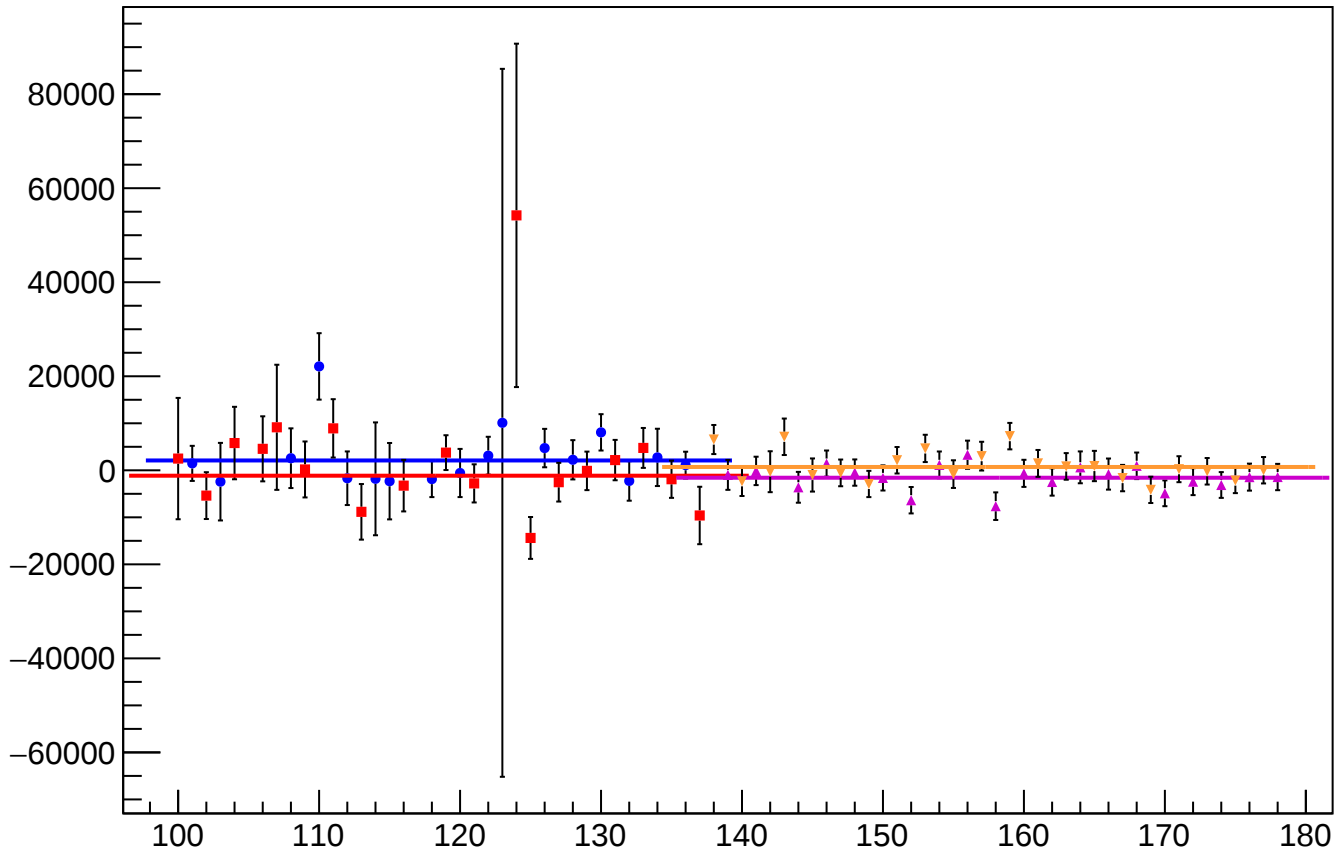
Left In: 727.748 ± 0.136 χ^2/NDF : 1892583.7/19

+ sign 767.717 ± 0.121 χ^2/NDF : 4312290.4/37

All: 767.242 ± 0.086 χ^2/NDF : 9330578.2/76

- sign 766.756 ± 0.123 χ^2/NDF : 5018256.7/38

asym_atl1_mean vs Slug



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

Left Out: 708.983+/-649.087 χ^2/NDF : 22.9/20

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

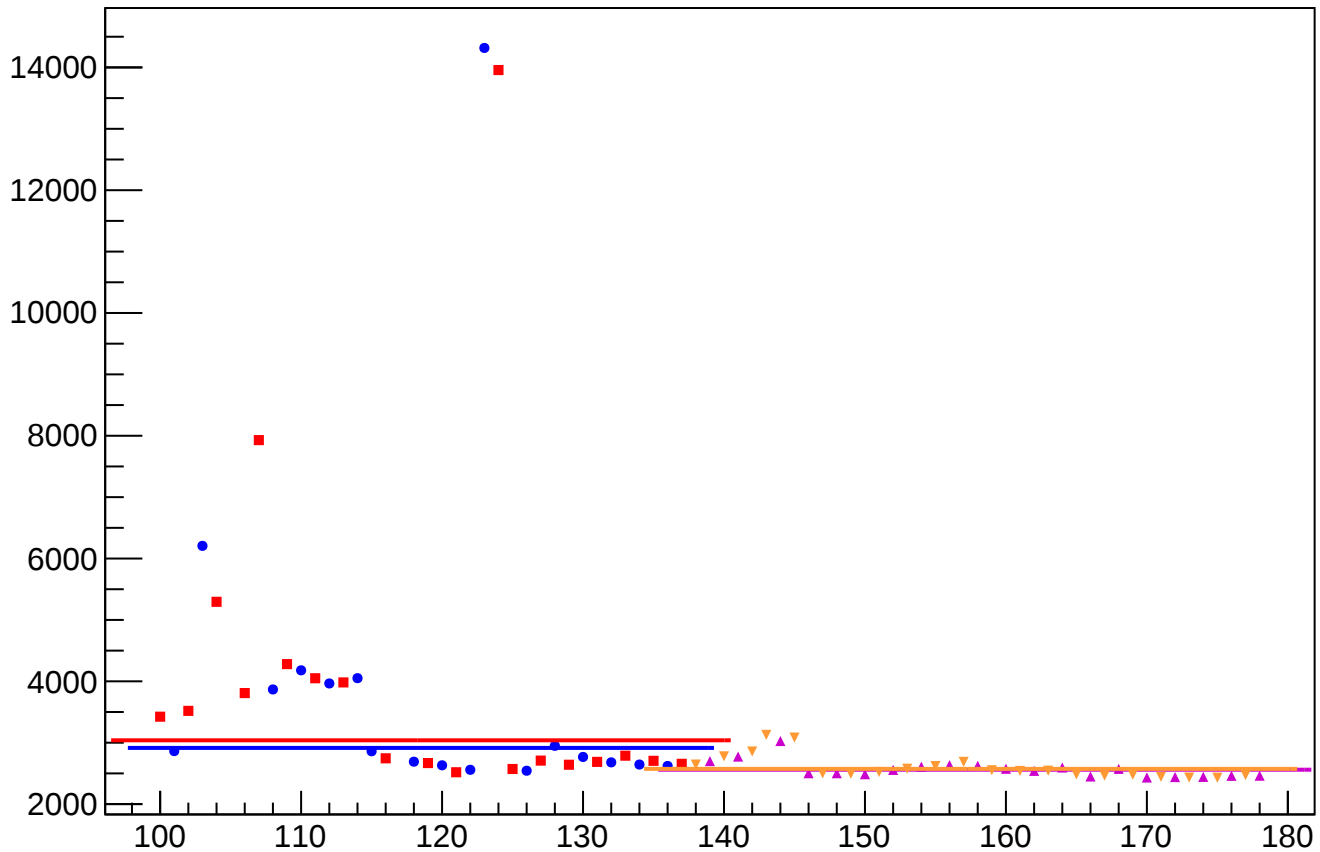
Left In: -1579.590+/-651.501 χ^2/NDF : 16.1/19

+ sign 1039.062+/-566.489 χ^2/NDF : 38.6/37

All: -210.006+/-402.199 χ^2/NDF : 89.8/76

- sign -1479.625+/-571.130 χ^2/NDF : 41.3/38

asym_atl1_rms vs Slug



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

Left Out: 2573.904+/-0.459 χ^2/NDF : 132715.4/20

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

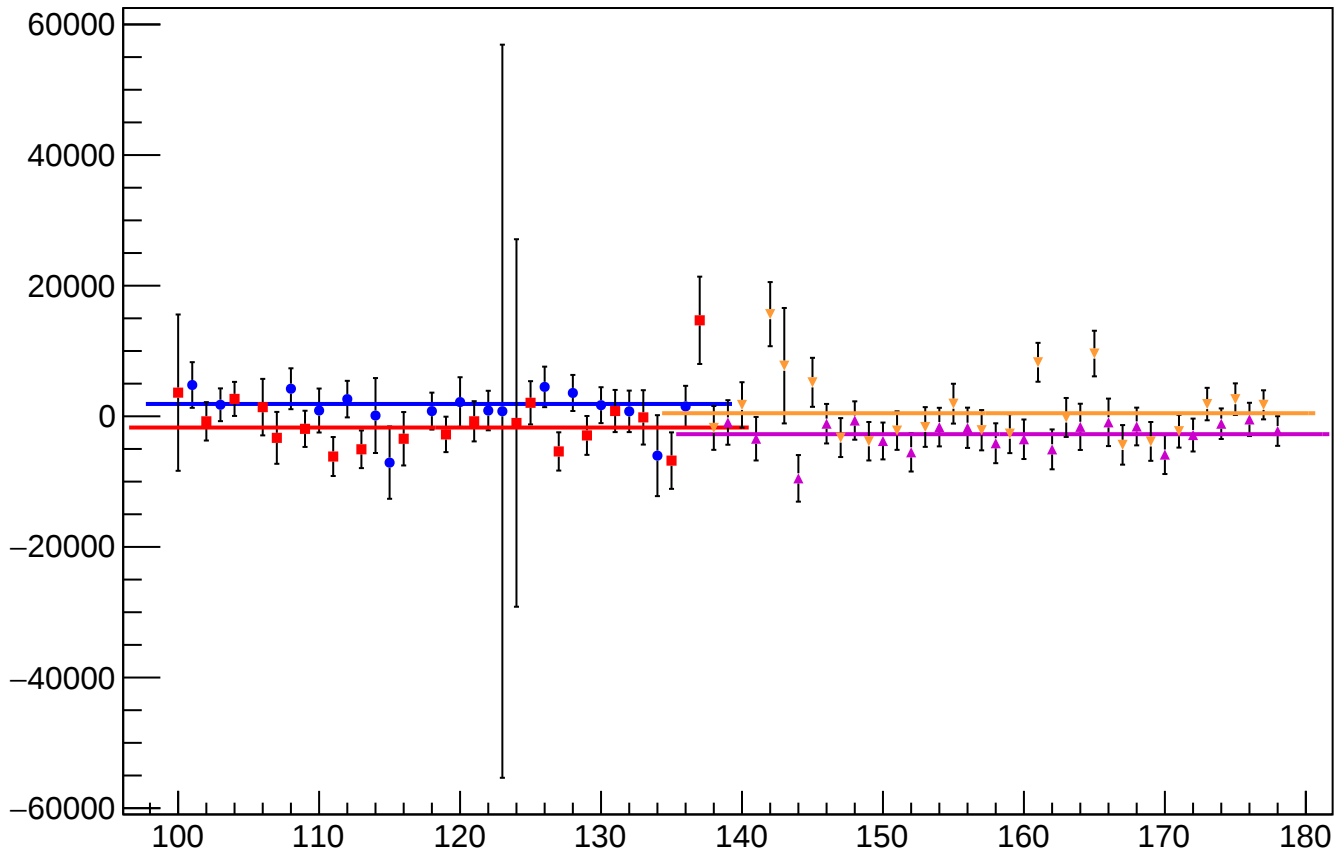
Left In: 2560.311+/-0.461 χ^2/NDF : 79418.3/19

+ sign 2655.240+/-0.401 χ^2/NDF : 903627.4/37

All: 2663.136+/-0.284 χ^2/NDF : 2245318.0/70

- sign 2671.162+/-0.404 χ^2/NDF : 1340907.0/38

reg_asym_atl2_mean vs Slug



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

Left Out: 472.884 ± 660.056 χ^2/NDF : 40.5/20

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

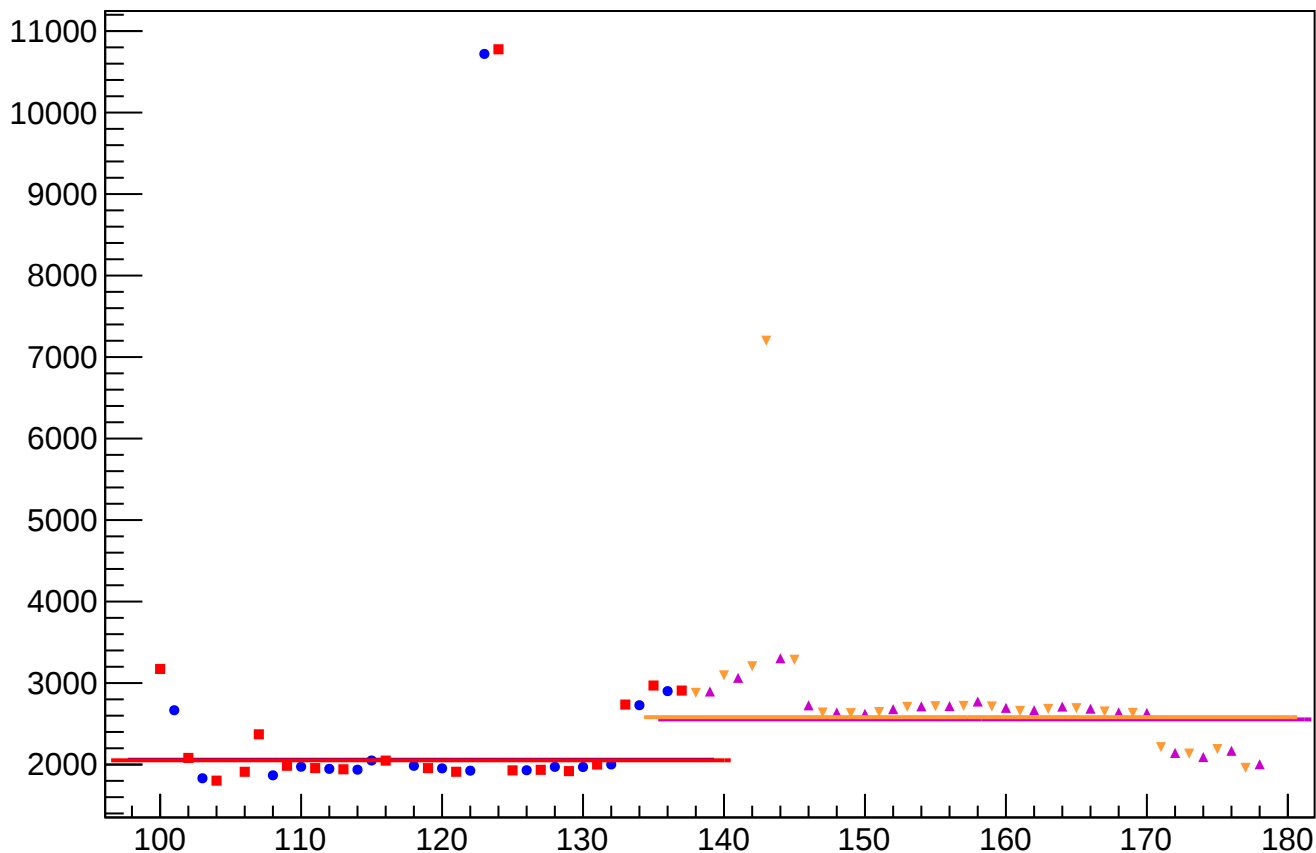
Left In: -2736.560 ± 653.613 χ^2/NDF : 9.7/19

+ sign 1037.164 ± 512.041 χ^2/NDF : 49.6/37

All: -670.855 ± 359.055 χ^2/NDF : 101.2/76

- sign -2323.186 ± 503.625 χ^2/NDF : 29.7/38

reg_asym_atl2_rms vs Slug



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

Left Out: 2581.439+/-0.467 χ^2/NDF :1049478.6/20

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

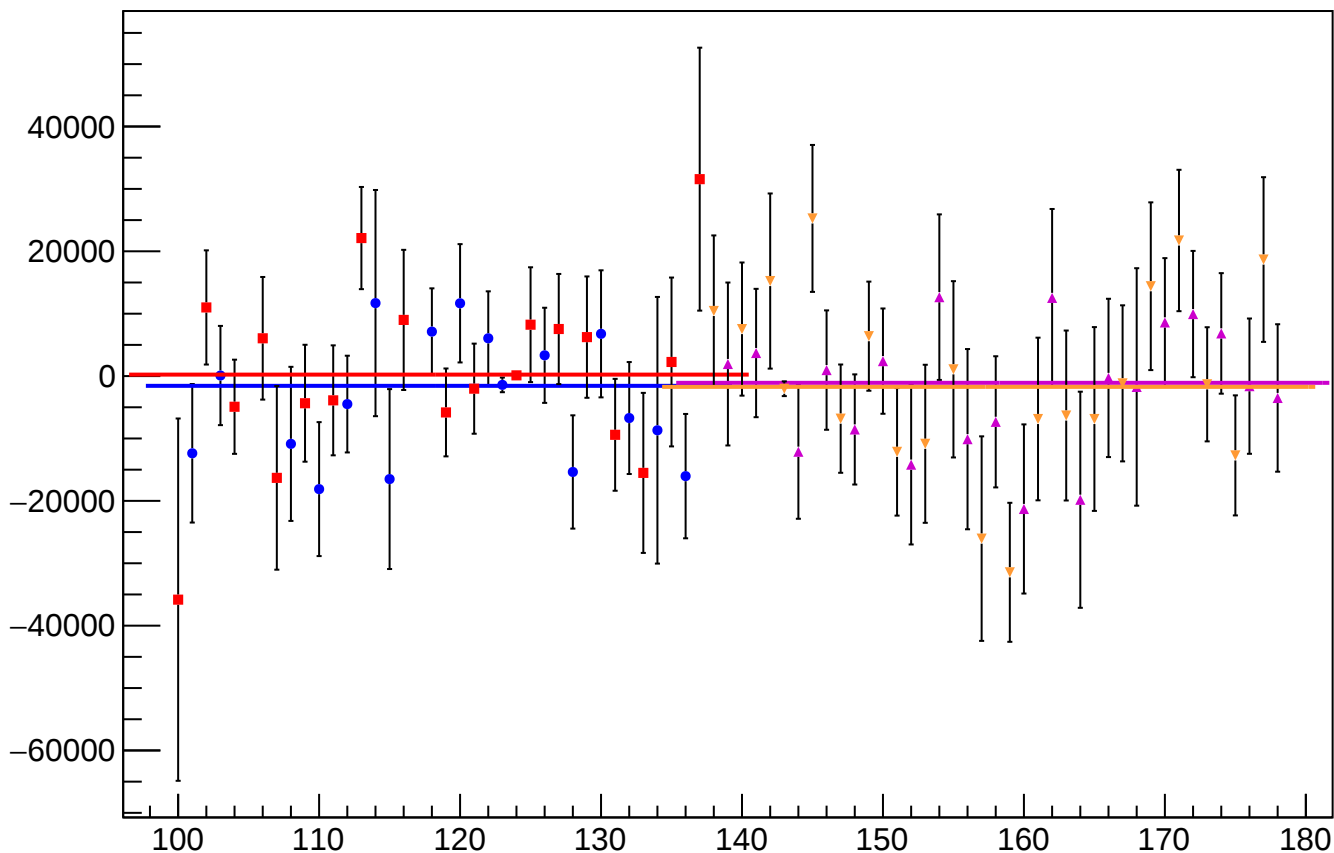
Left In: 2553.821+/-0.462 χ^2/NDF :501676.3/19

+ sign 2373.386+/-0.362 χ^2/NDF : 1867048.9/37

All: 2361.519+/-0.254 χ^2/NDF : 3292655.7/70

- sign 2350.039+/-0.356 χ^2/NDF : 1423493.3/38

asym_atl2_correction_mean vs Slug



Right In: -1563.218 ± 1053.946 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -1729.381 ± 1074.637 $\chi^2/\text{NDF}: 30.5/20$

Right Out: 236.197 ± 695.167 $\chi^2/\text{NDF}: 20.8/18$

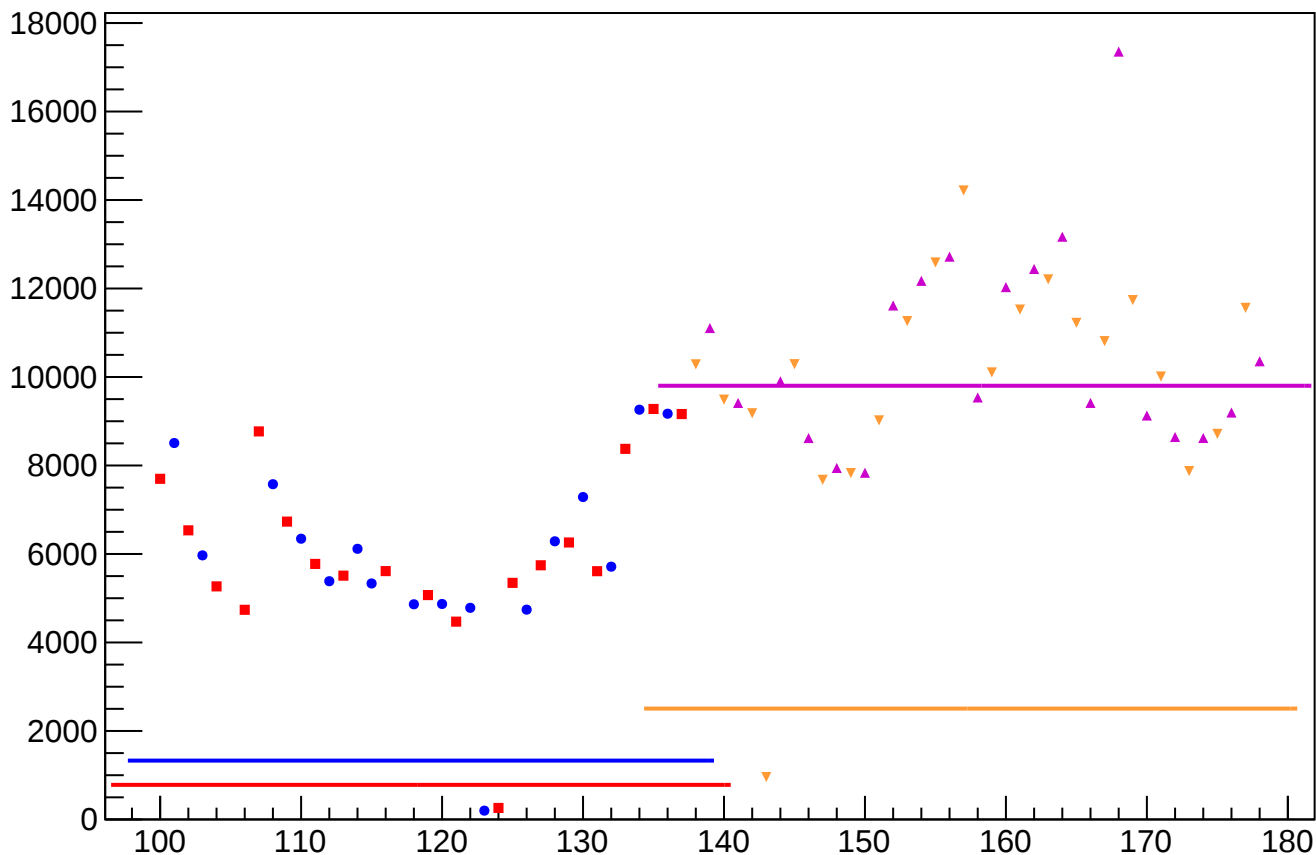
Left In: -1081.661 ± 2534.600 $\chi^2/\text{NDF}: 12.2/19$

+ sign -1644.684 ± 752.461 $\chi^2/\text{NDF}: 46.7/37$

All: -647.538 ± 500.556 $\chi^2/\text{NDF}: 83.1/76$

- sign 143.998 ± 670.409 $\chi^2/\text{NDF}: 33.3/38$

asym_atl2_correction_rms vs Slug



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

Left Out: 2506.000+/-0.760 χ^2/NDF : 20461002.9/20

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

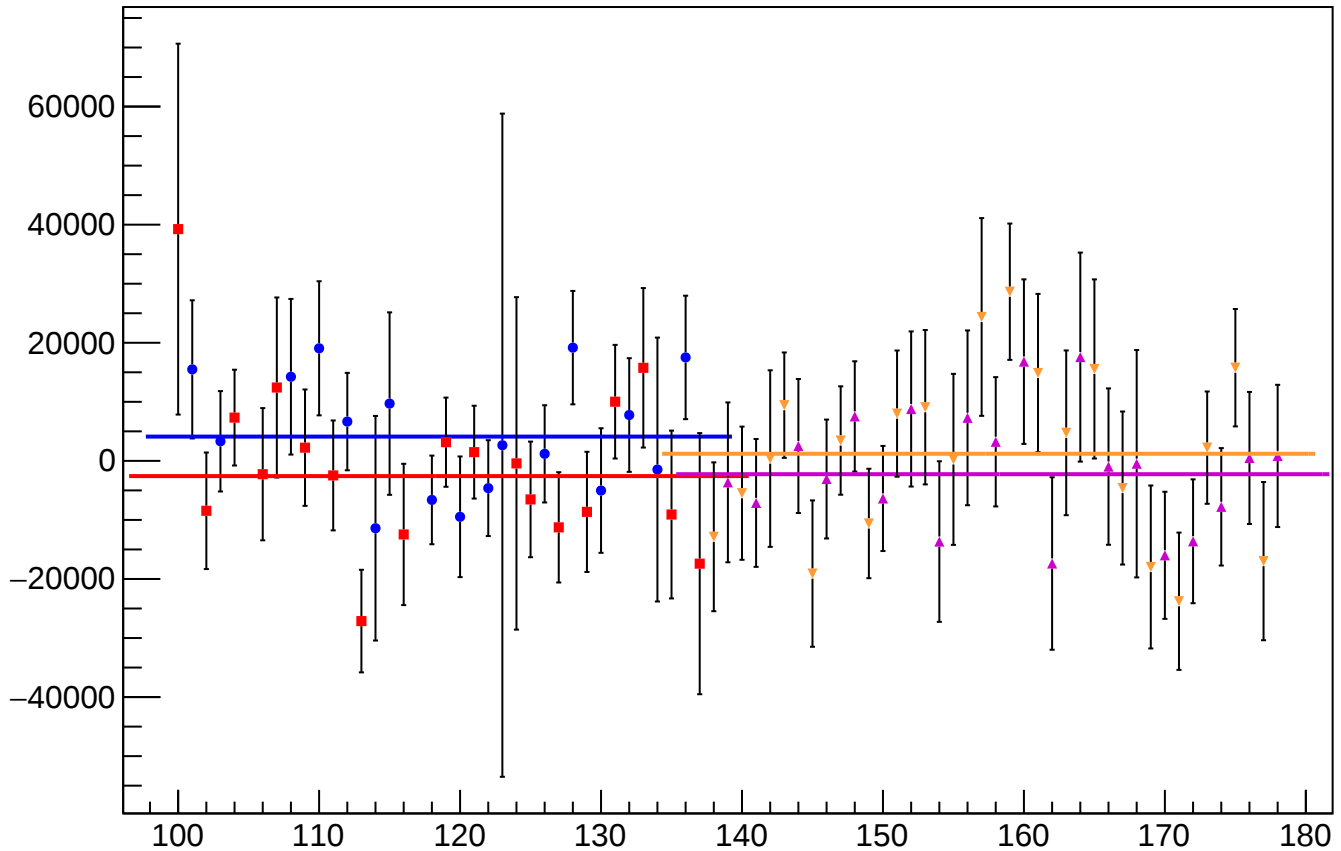
Left In: 9802.021+/-1.792 χ^2/NDF : 1028068.9/19

+ sign 1906.697+/-0.532 χ^2/NDF : 31728135.7/37

All: 1631.426+/-0.354 χ^2/NDF : 68234414.0/7

- sign 1412.915+/-0.474 χ^2/NDF : 36026149.5/38

asym_atl2_mean vs Slug



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

Left Out: 1204.190+/-2564.111 χ^2/NDF : 27.9/20

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

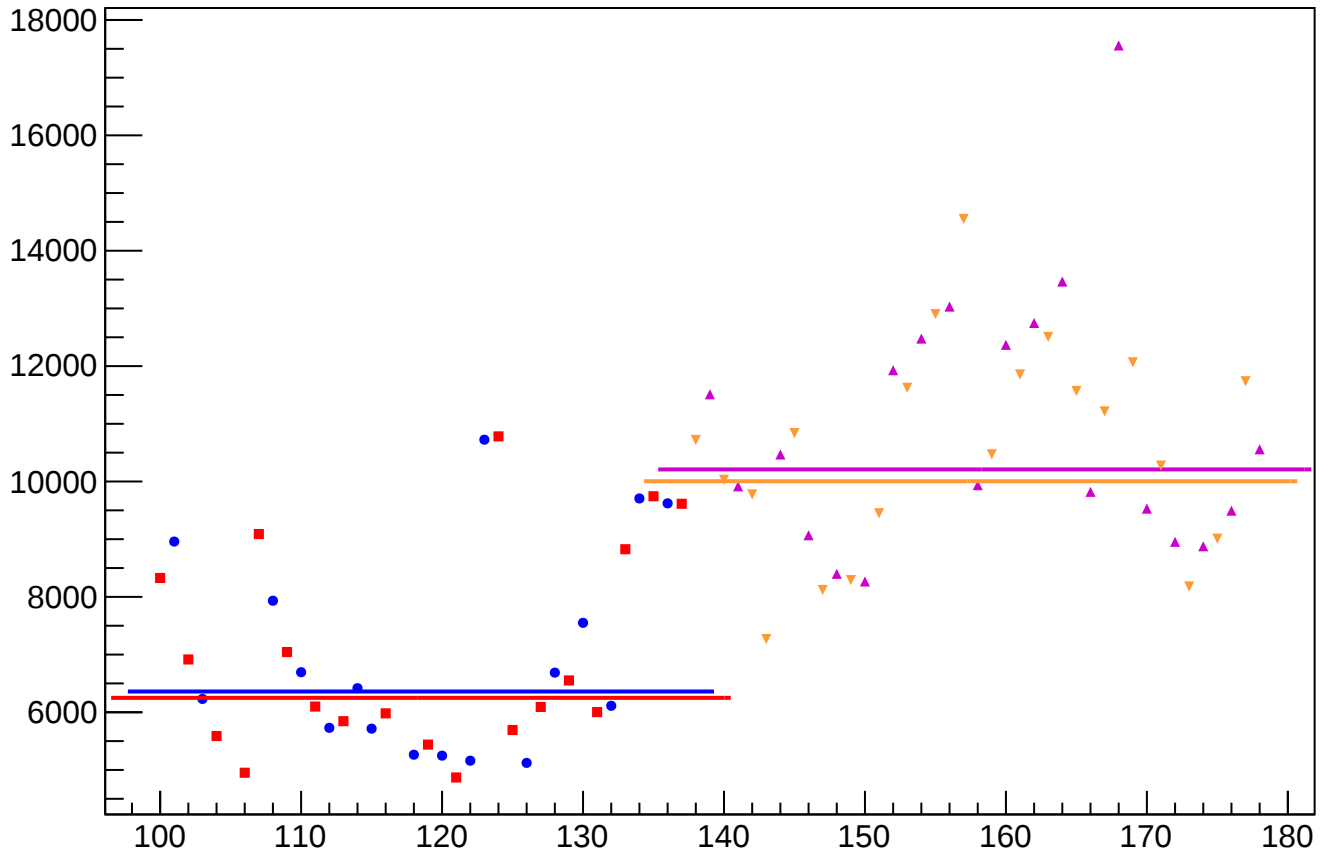
Left In: -2254.635+/-2635.226 χ^2/NDF : 11.2/19

+ sign 2674.905+/-1802.520 χ^2/NDF : 42.9/37

All: 94.195+/-1267.483 χ^2/NDF : 78.1/76

- sign -2429.876+/-1782.630 χ^2/NDF : 31.2/38

asym_atl2_rms vs Slug



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

Left Out: 10004.619+/-1.813 χ^2/NDF : 937864.0/20

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

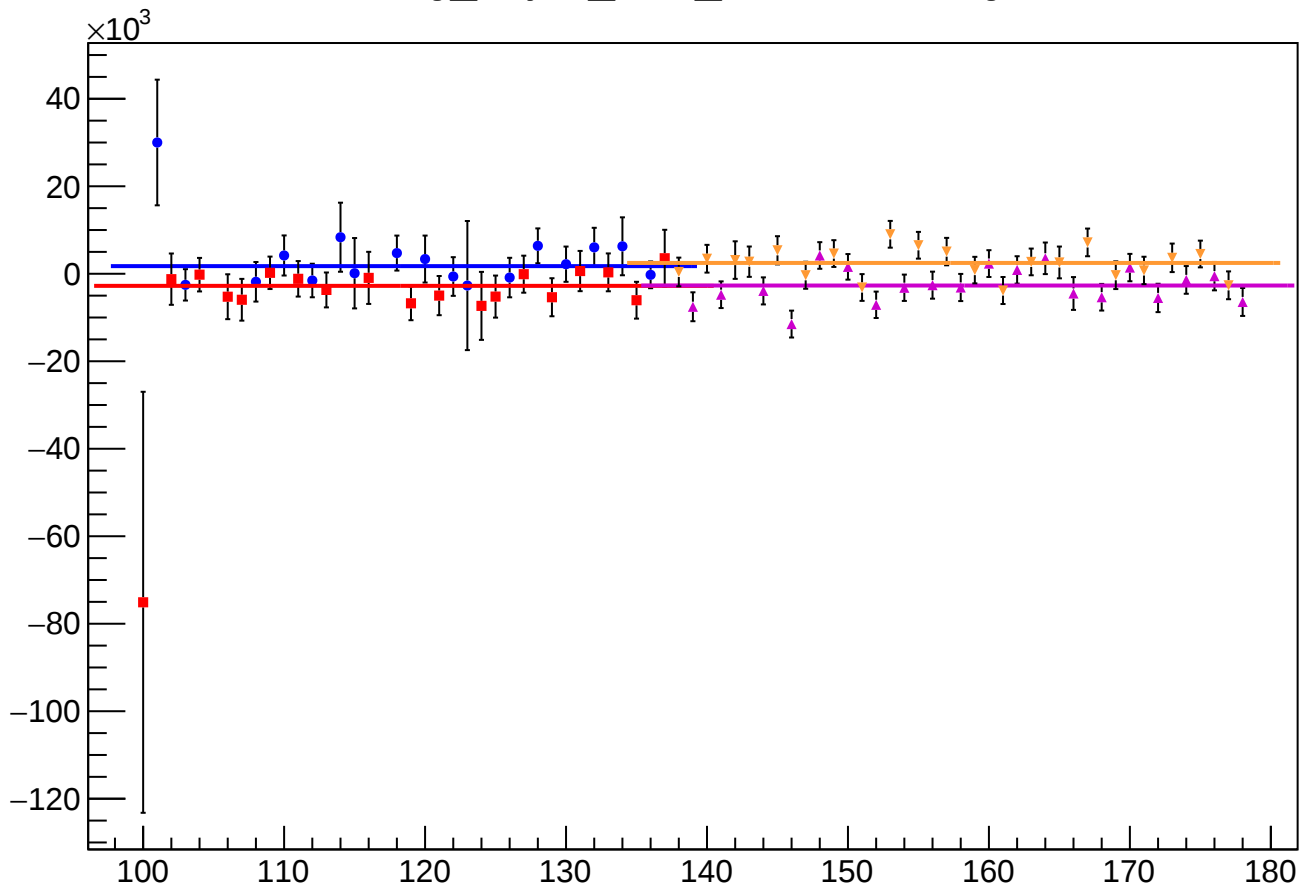
Left In: 10208.980+/-1.863 χ^2/NDF : 932734.6/19

+ sign 8161.058+/-1.275 χ^2/NDF : 3562305.0/37

All: 8110.760+/-0.896 χ^2/NDF : 7479516.9/76

- sign 8061.568+/-1.260 χ^2/NDF : 3914131.5/38

reg_asym_atr1_mean vs Slug



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

Left Out: 2475.962 ± 697.049 χ^2/NDF : 23.9/20

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

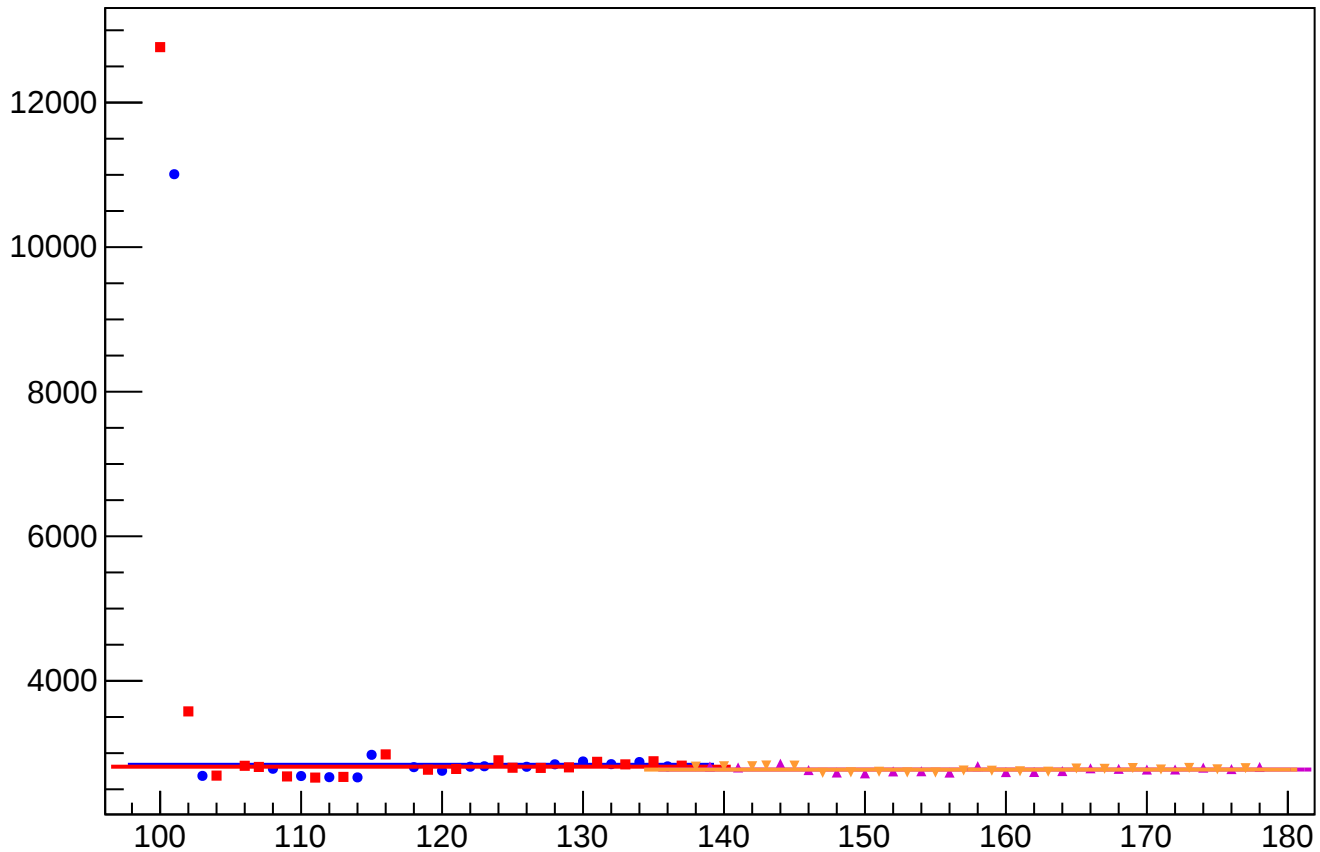
Left In: -2688.416 ± 703.923 χ^2/NDF : 32.9/19

+ sign 2274.380 ± 593.043 χ^2/NDF : 36.5/37

All: -237.983 ± 417.693 χ^2/NDF : 114.6/76

- sign -2711.148 ± 588.398 χ^2/NDF : 42.6/38

reg_asym_atr1_rms vs Slug



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

Left Out: 2772.585+/-0.493 χ^2/NDF : 4415.6/20

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

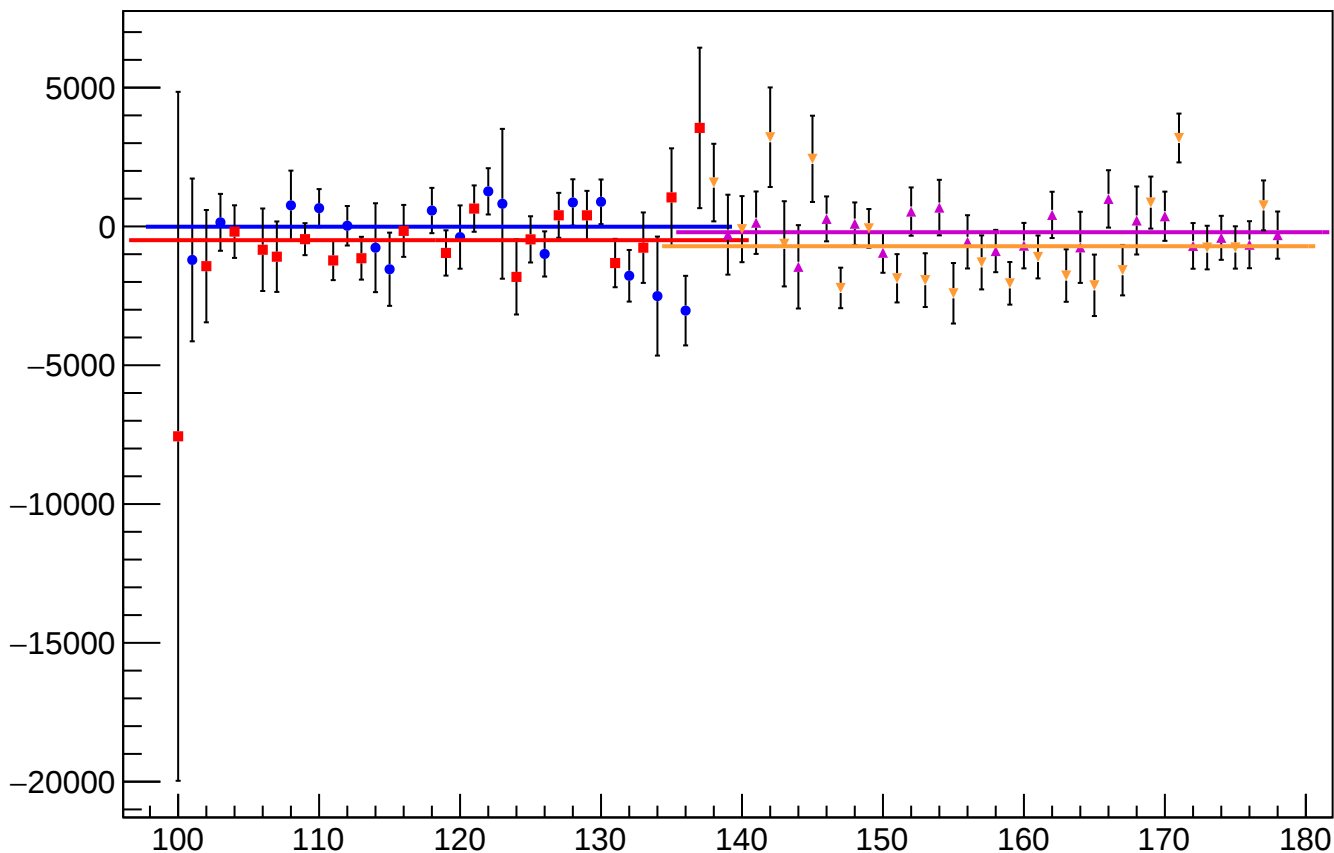
Left In: 2773.174+/-0.498 χ^2/NDF : 4985.1/19

+ sign 2790.853+/-0.419 χ^2/NDF : 669599.4/37

All: 2787.934+/-0.295 χ^2/NDF : 809637.6/76

- sign 2785.061+/-0.416 χ^2/NDF : 139942.1/38

asym_atr1_correction_mean vs Slug



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

Left Out: -712.691 ± 203.603 χ^2/NDF : 55.3/20

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

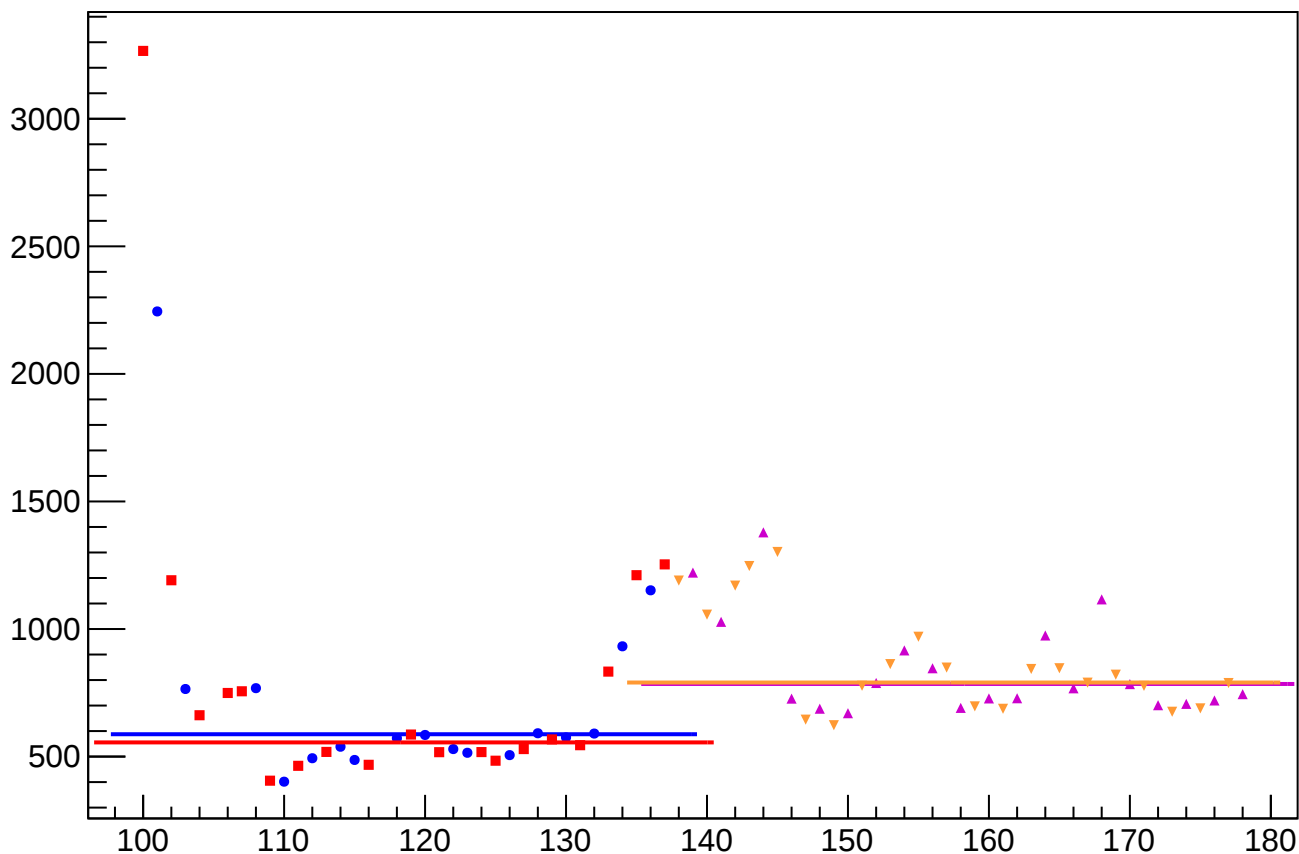
Left In: -208.208 ± 203.046 χ^2/NDF : 8.5/19

+ sign -420.930 ± 155.712 χ^2/NDF : 80.9/37

All: -378.493 ± 107.906 χ^2/NDF : 102.4/76

- sign -339.284 ± 149.671 χ^2/NDF : 21.3/38

asym_atr1_correction_rms vs Slug



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

Left Out: 790.308 ± 0.144 χ^2/NDF : 1172343.7/20

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

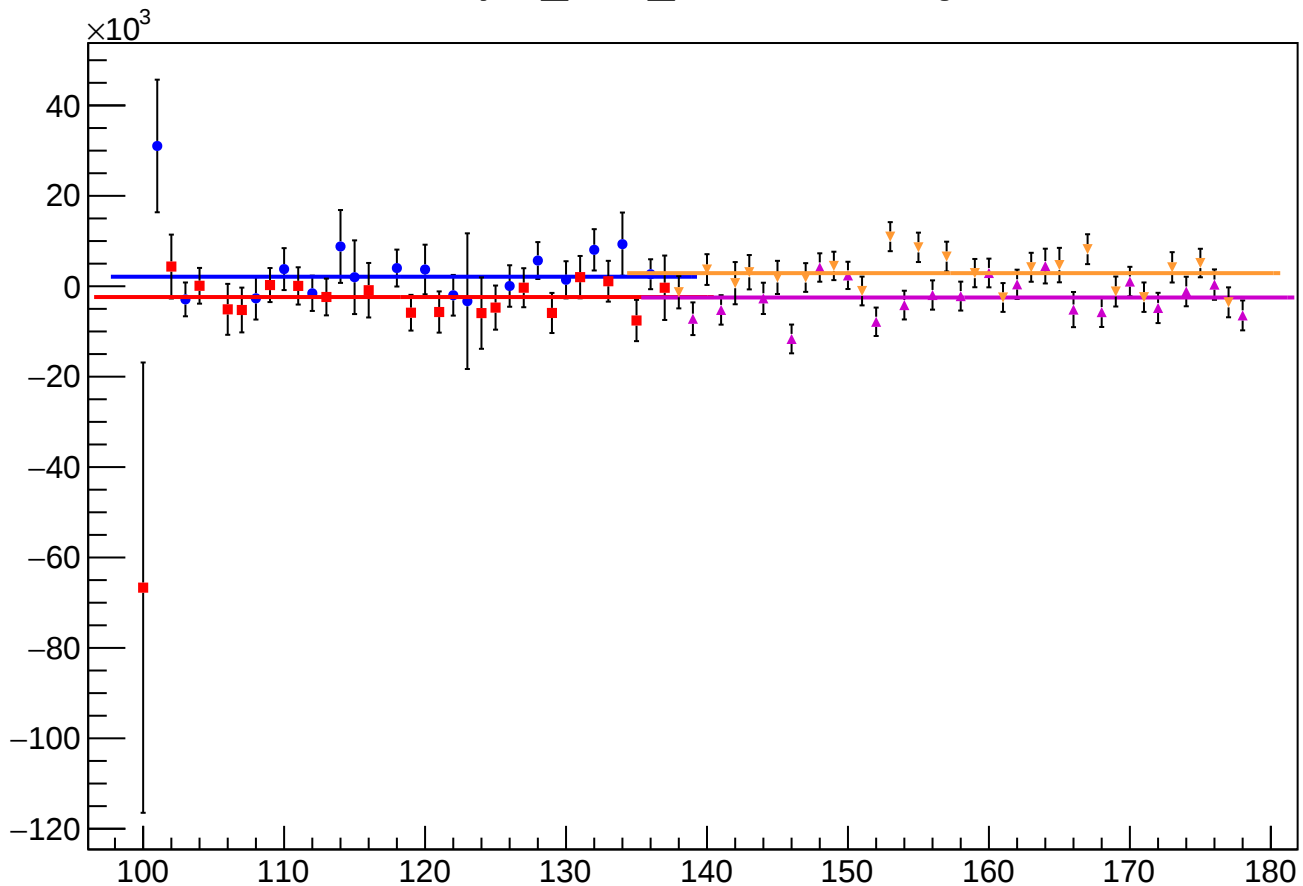
Left In: 784.611 ± 0.144 χ^2/NDF : 1022064.2/19

+ sign 706.160 ± 0.110 χ^2/NDF : 3421083.8/37

All: 692.565 ± 0.076 χ^2/NDF : 6741712.8/76

- sign 680.005 ± 0.106 χ^2/NDF : 3291299.2/38

asym_atr1_mean vs Slug



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

Left Out: 2901.131 $\pm$ 733.023 χ^2 /NDF: 28.7/20

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

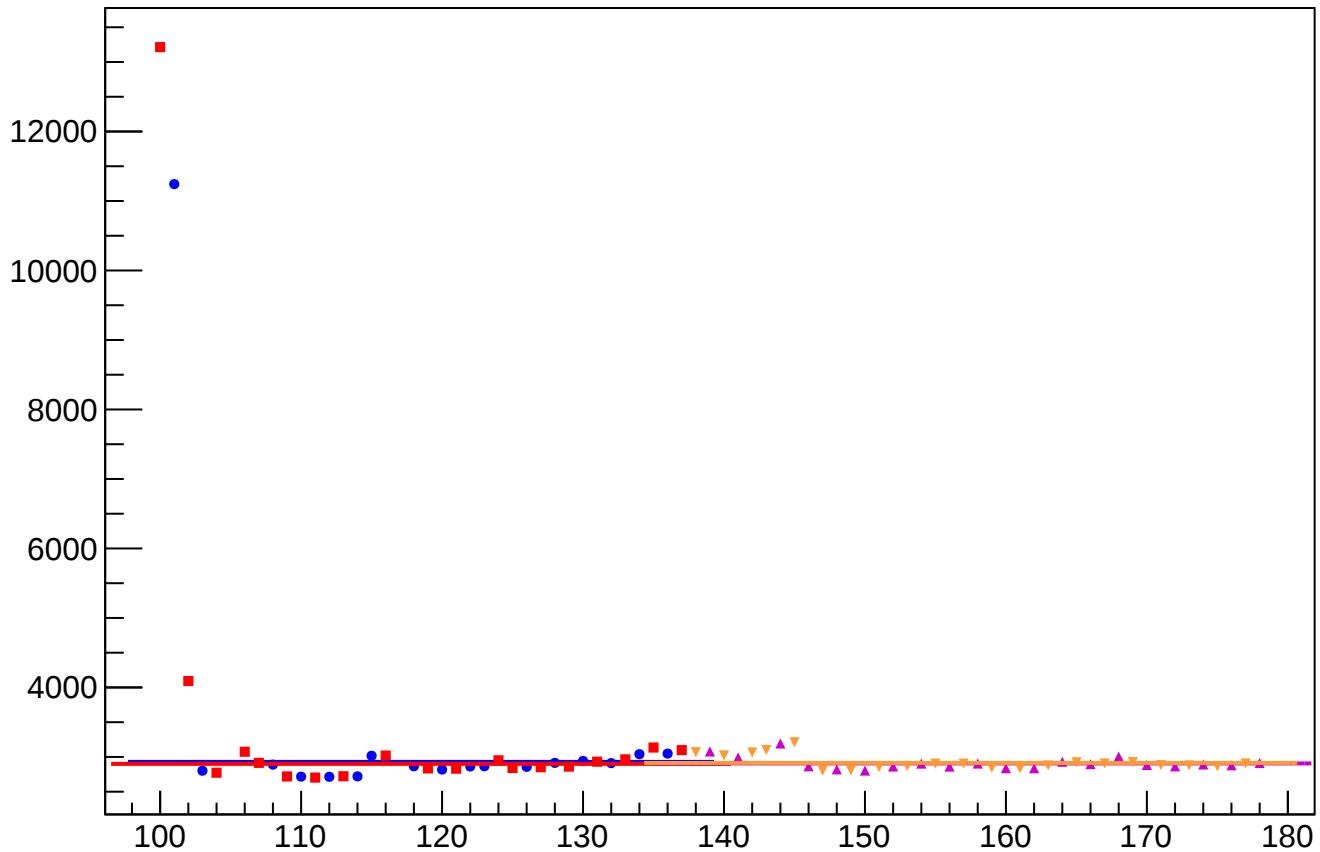
Left In: -2487.719 $\pm$ 738.089 χ^2 /NDF: 33.4/19

+ sign 2676.145 $\pm$ 620.327 χ^2 /NDF: 42.5/37

All: 86.261 $\pm$ 436.619 χ^2 /NDF: 120.4/76

- sign -2456.497 $\pm$ 614.657 χ^2 /NDF: 43.3/38

asym_atr1_rms vs Slug



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

Left Out: 2913.955+/-0.518 χ^2/NDF : 35061.6/20

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

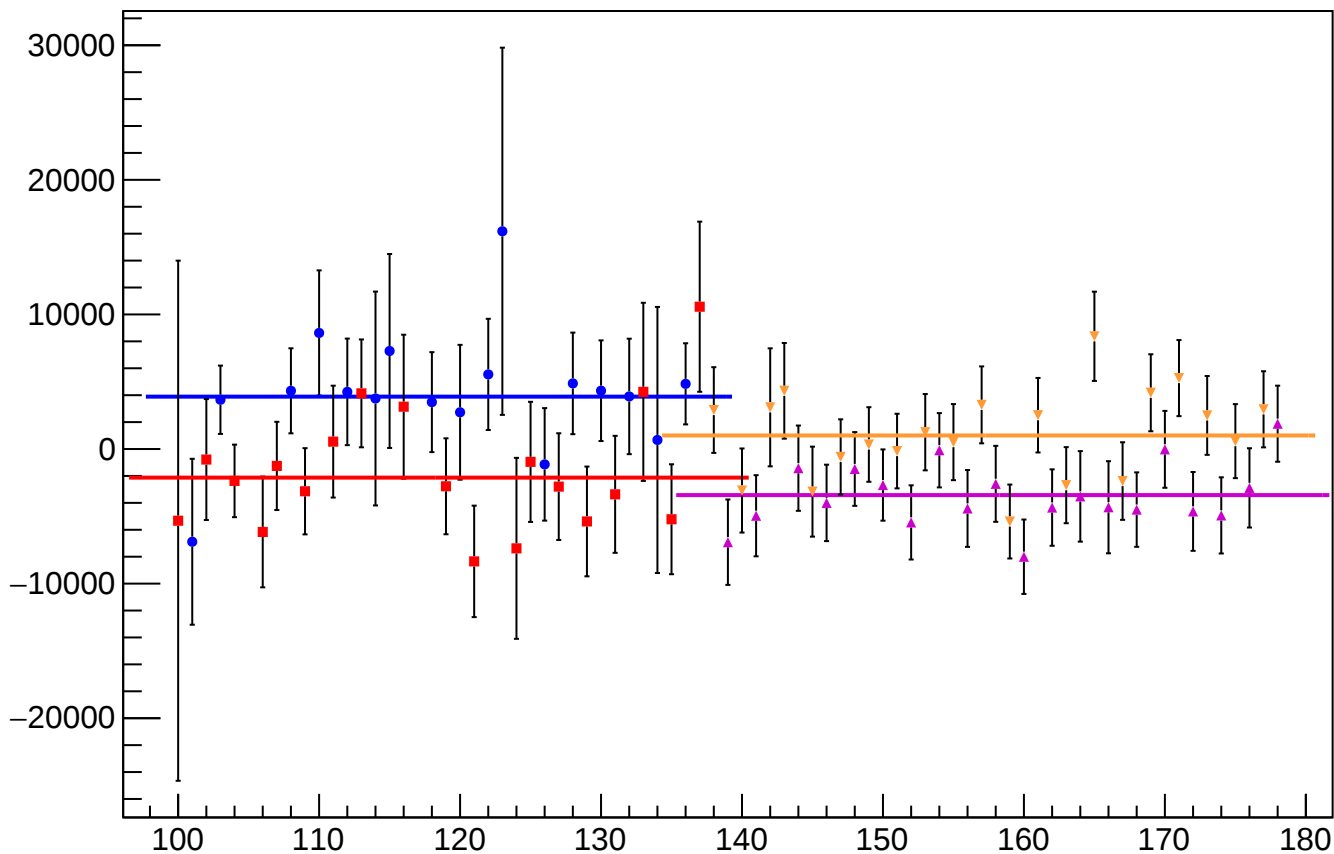
Left In: 2906.658+/-0.522 χ^2/NDF : 28967.4/19

+ sign 2918.140+/-0.439 χ^2/NDF : 697654.2/37

All: 2911.390+/-0.309 χ^2/NDF : 896854.6/76

- sign 2904.762+/-0.435 χ^2/NDF : 198731.1/38

reg_asym_atr2_mean vs Slug



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

Left Out: 1007.778+/-645.063 χ^2/NDF : 24.0/20

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

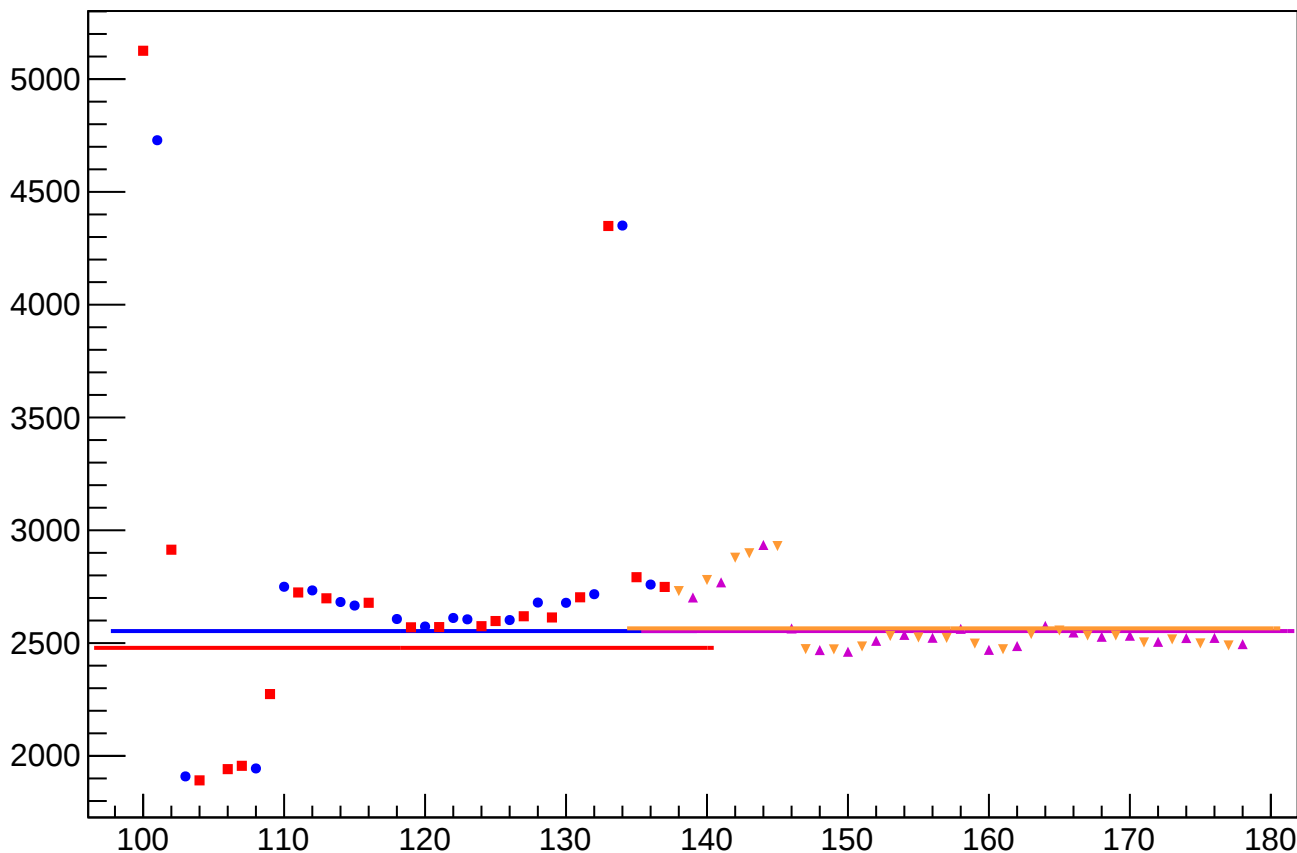
Left In: -3422.423+/-647.580 χ^2/NDF : 13.2/19

+ sign 1841.542+/-543.912 χ^2/NDF : 36.9/37

All: -620.033+/-381.984 χ^2/NDF : 106.1/76

- sign -3015.664+/-536.578 χ^2/NDF : 28.8/38

reg_asym_atr2_rms vs Slug



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

Left Out: 2565.326+/-0.456 χ^2/NDF : 81875.3/20

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

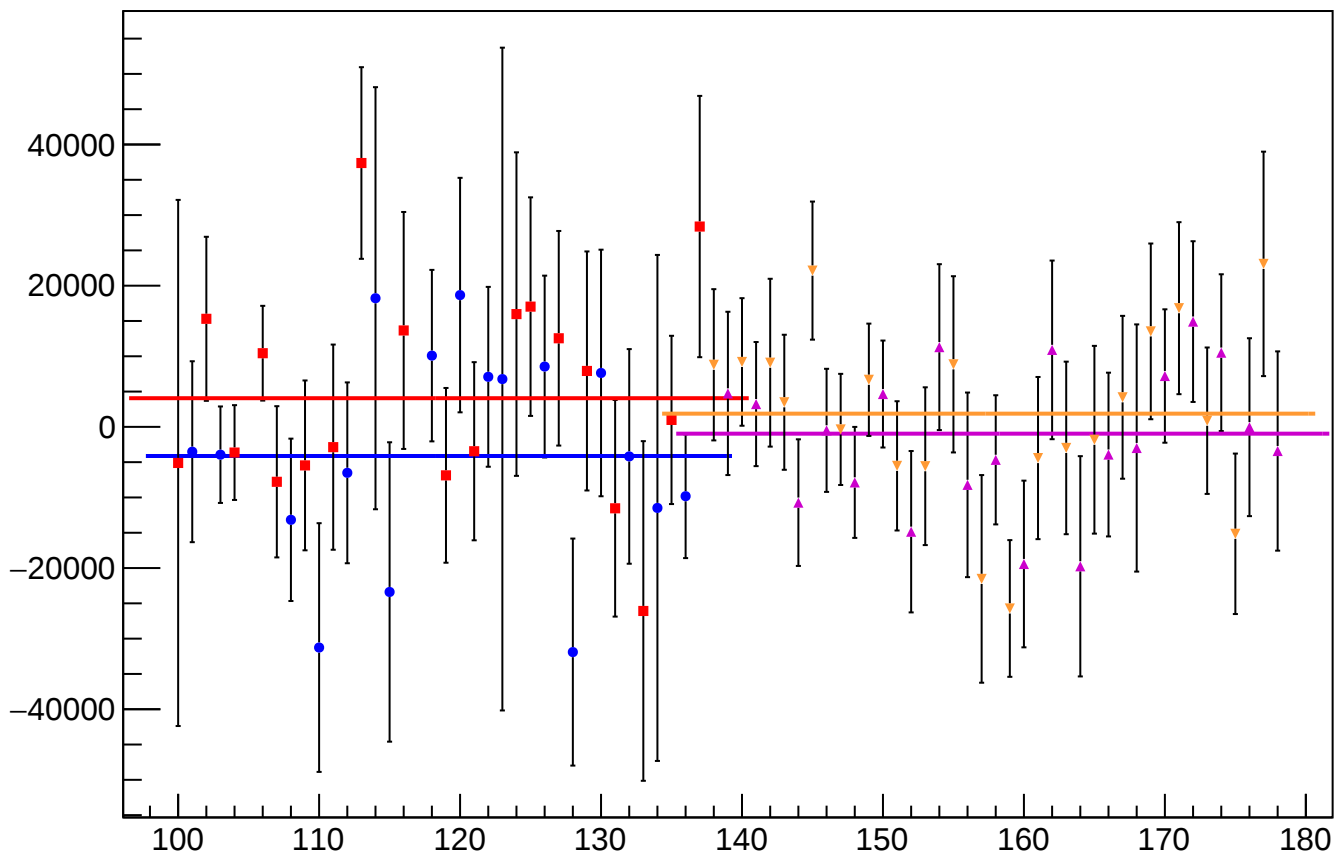
Left In: 2553.286+/-0.458 χ^2/NDF : 53949.4/19

+ sign 2561.845+/-0.385 χ^2/NDF : 627303.8/37

All: 2545.685+/-0.270 χ^2/NDF : 1142519.6/70

- sign 2529.958+/-0.379 χ^2/NDF : 511732.3/38

asym_atr2_correction_mean vs Slug



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

Left Out: 1871.888 ± 2327.293 $\chi^2/\text{NDF}: 25.3/20$

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

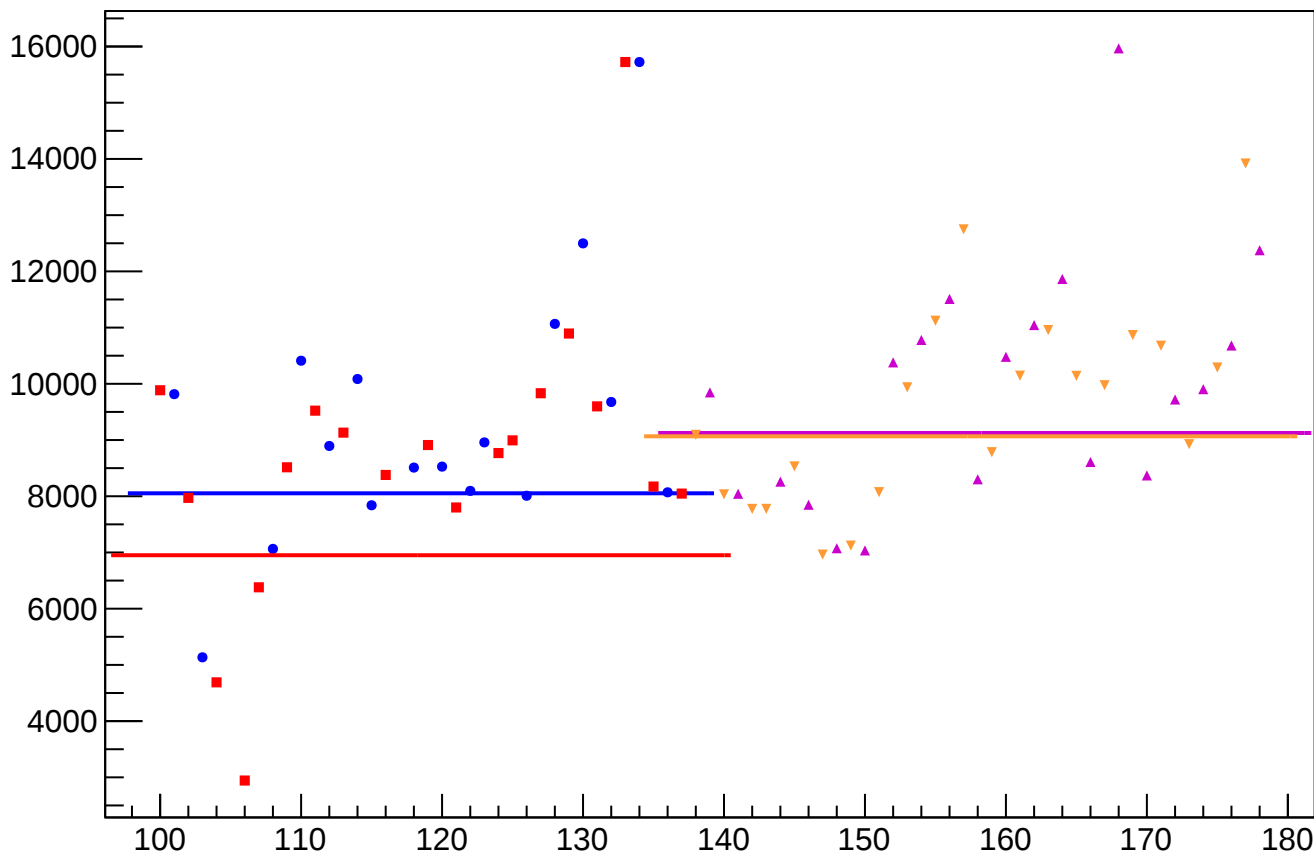
Left In: -963.525 ± 2364.423 $\chi^2/\text{NDF}: 14.7/19$

+ sign -180.408 ± 1887.618 $\chi^2/\text{NDF}: 40.9/37$

All: 483.636 ± 1308.549 $\chi^2/\text{NDF}: 76.2/76$

- sign 1097.987 ± 1815.617 $\chi^2/\text{NDF}: 35.0/38$

asym_atr2_correction_rms vs Slug



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

Left Out: 9066.289 $\pm$ 1.646 χ^2 /NDF: 949064.8/20

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

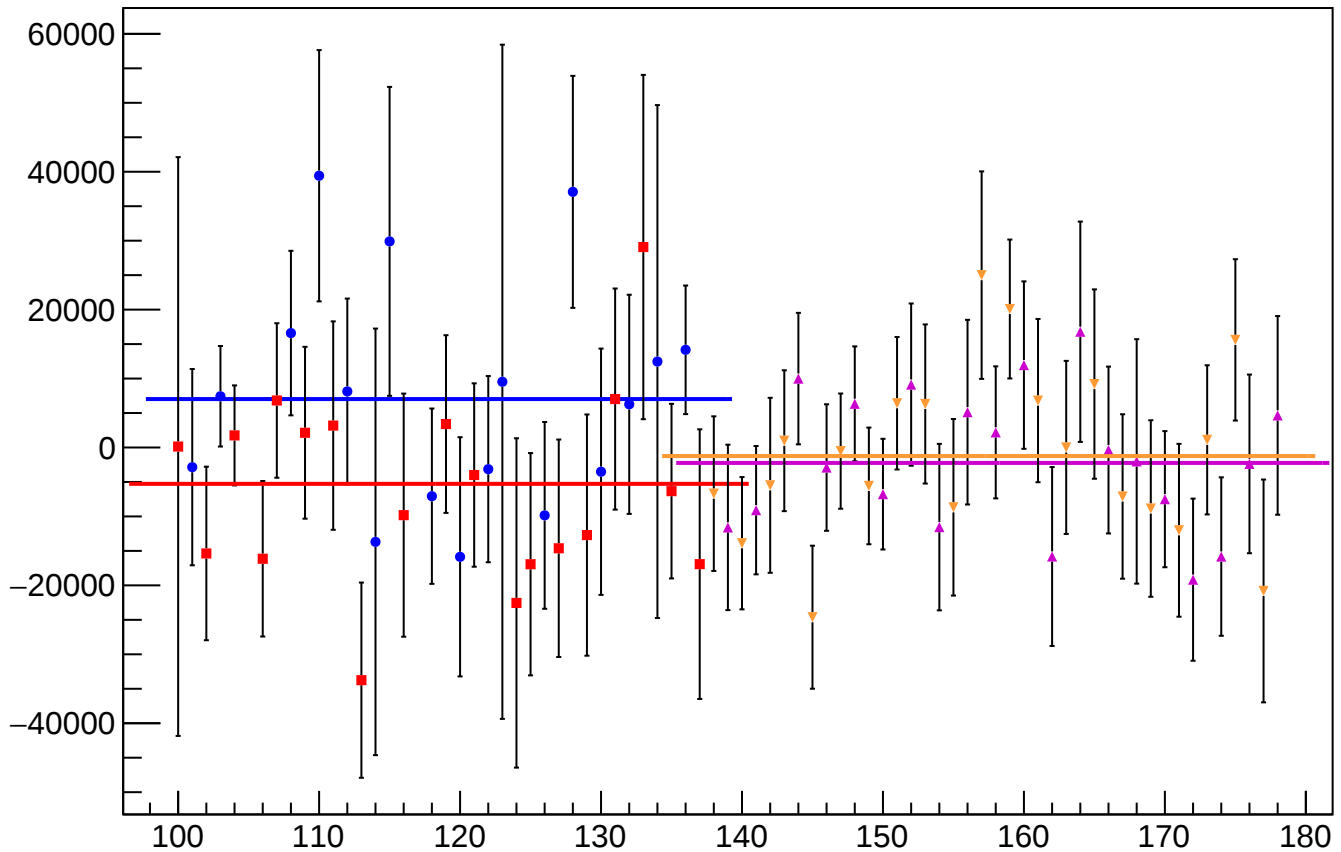
Left In: 9125.315 $\pm$ 1.672 χ^2 /NDF: 1142173.8/19

+ sign 8719.437 $\pm$ 1.335 χ^2 /NDF: 1869625.6/37

All: 8466.803 $\pm$ 0.925 χ^2 /NDF: 5551406.3/70

- sign 8233.073 $\pm$ 1.284 χ^2 /NDF: 3612811.2/38

asym_atr2_mean vs Slug



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

Left Out: -1243.021+/-2433.734 χ^2/NDF : 22.4/20

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

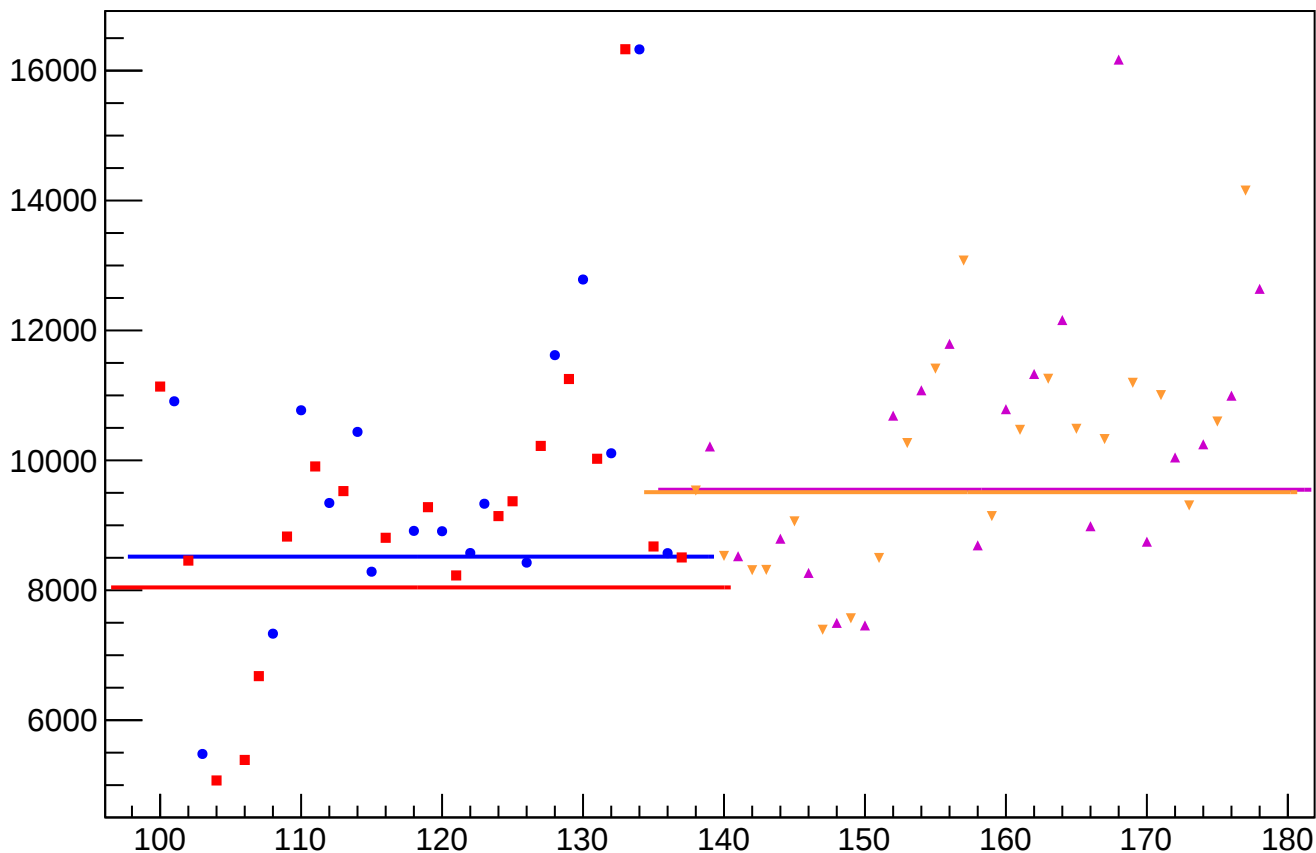
Left In: -2238.403+/-2466.892 χ^2/NDF : 14.1/19

+ sign 1547.910+/-1980.855 χ^2/NDF : 41.3/37

All: -960.937+/-1388.345 χ^2/NDF : 72.5/76

- sign -3383.342+/-1946.431 χ^2/NDF : 28.0/38

asym_atr2_rms vs Slug



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

Left Out: 9510.195+/-1.721 χ^2 /NDF: 811129.7/20

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

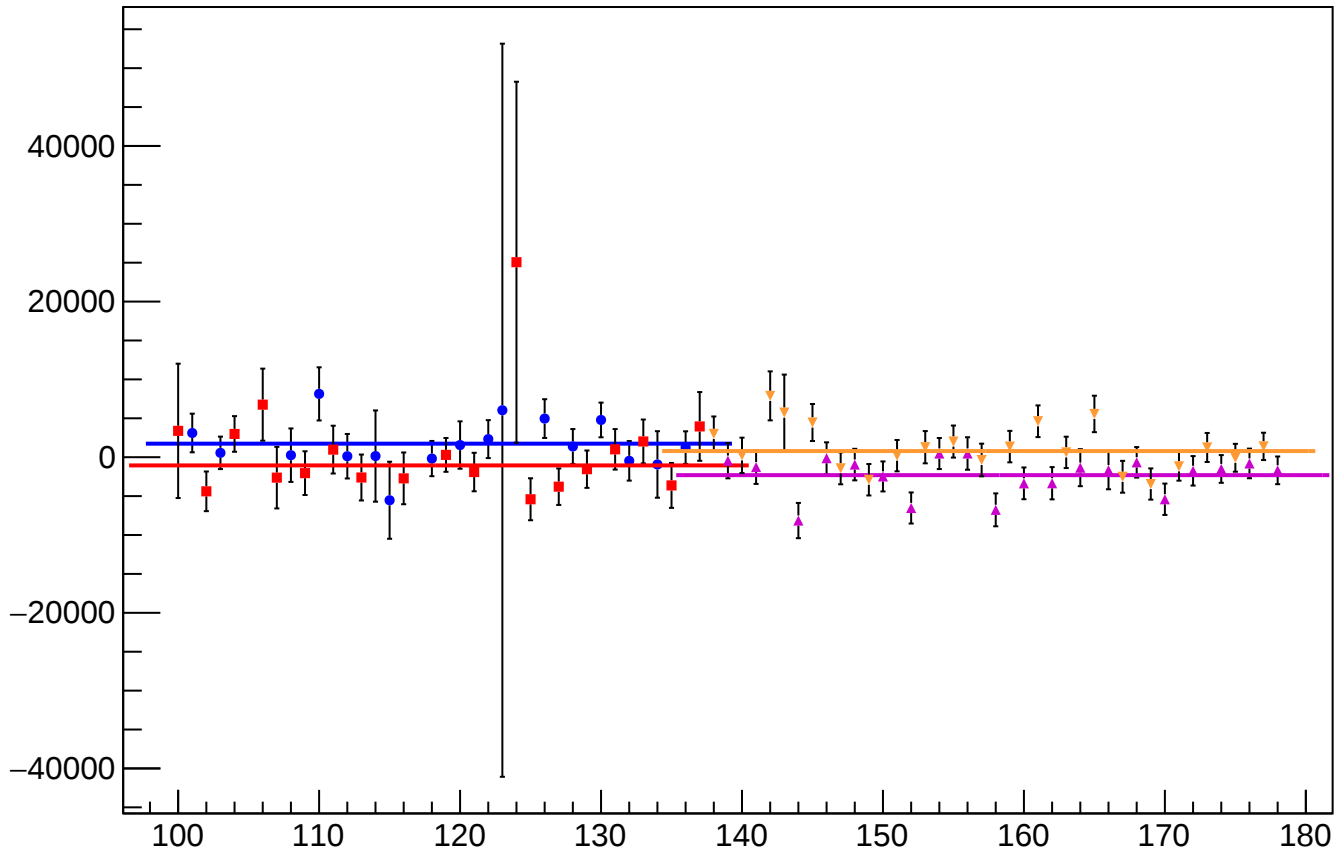
Left In: 9547.782+/-1.744 χ^2 /NDF: 998049.7/19

+ sign 9175.250+/-1.401 χ^2 /NDF: 1686639.9/37

All: 9075.994+/-0.982 χ^2 /NDF: 3927211.8/76

- sign 8980.161+/-1.376 χ^2 /NDF: 2230701.9/38

reg_asym_atl_avg_mean vs Slug



Right In: 1739.640 $\pm$ 670.395 χ^2 /NDF: 12.4/16

Left Out: 789.683 $\pm$ 458.473 χ^2 /NDF: 31.2/20

Right Out: -1055.584 $\pm$ 670.984 χ^2 /NDF: 18.9/18

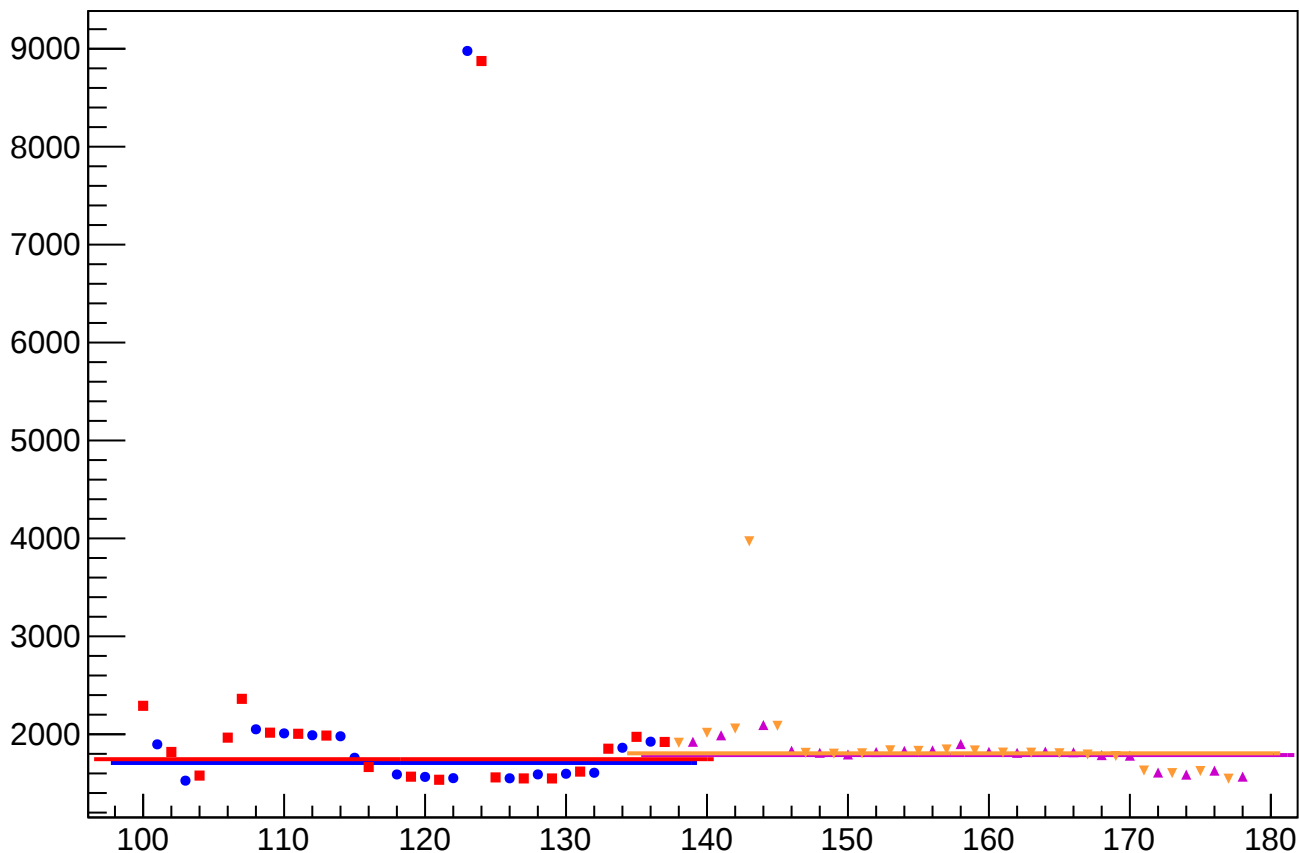
Left In: -2306.152 $\pm$ 455.656 χ^2 /NDF: 26.6/19

+ sign 1092.397 $\pm$ 378.438 χ^2 /NDF: 45.0/37

All: -415.431 $\pm$ 267.070 χ^2 /NDF: 124.5/76

- sign -1911.458 $\pm$ 376.954 χ^2 /NDF: 47.9/38

reg_asym_atl_avg_rms vs Slug



Right In: 1706.867 $\pm$ 0.474 χ^2 /NDF: 197555.1/16

Left Out: 1805.393 $\pm$ 0.324 χ^2 /NDF: 562938.1/20

Right Out: 1745.434 $\pm$ 0.472 χ^2 /NDF: 399811.9/18

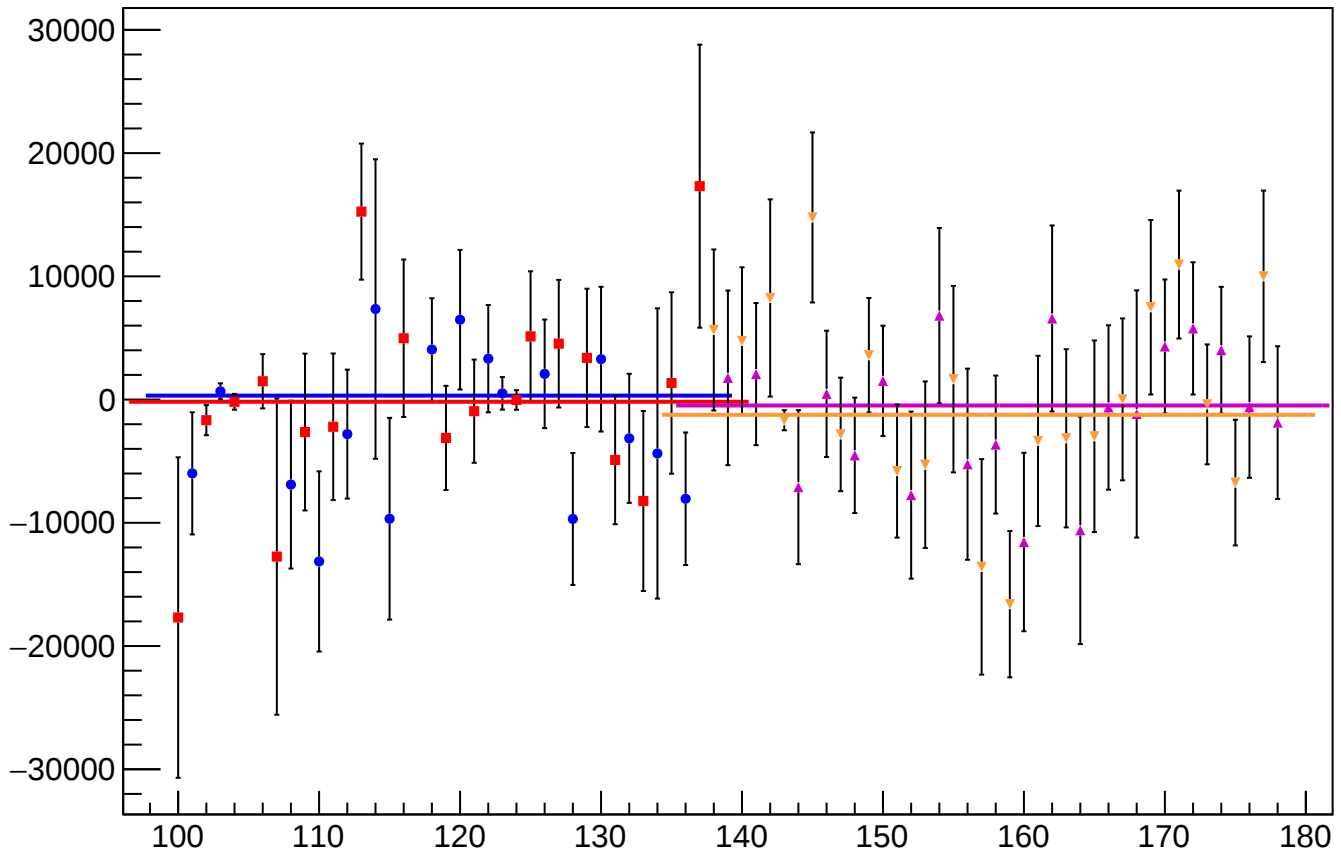
Left In: 1787.392 $\pm$ 0.322 χ^2 /NDF: 159561.0/19

+ sign 1773.997 $\pm$ 0.268 χ^2 /NDF: 789926.3/37

All: 1774.033 $\pm$ 0.189 χ^2 /NDF: 1354684.4/70

- sign 1774.069 $\pm$ 0.266 χ^2 /NDF: 564758.0/38

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1237.188 ± 701.487 χ^2/NDF : 30.0/20

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

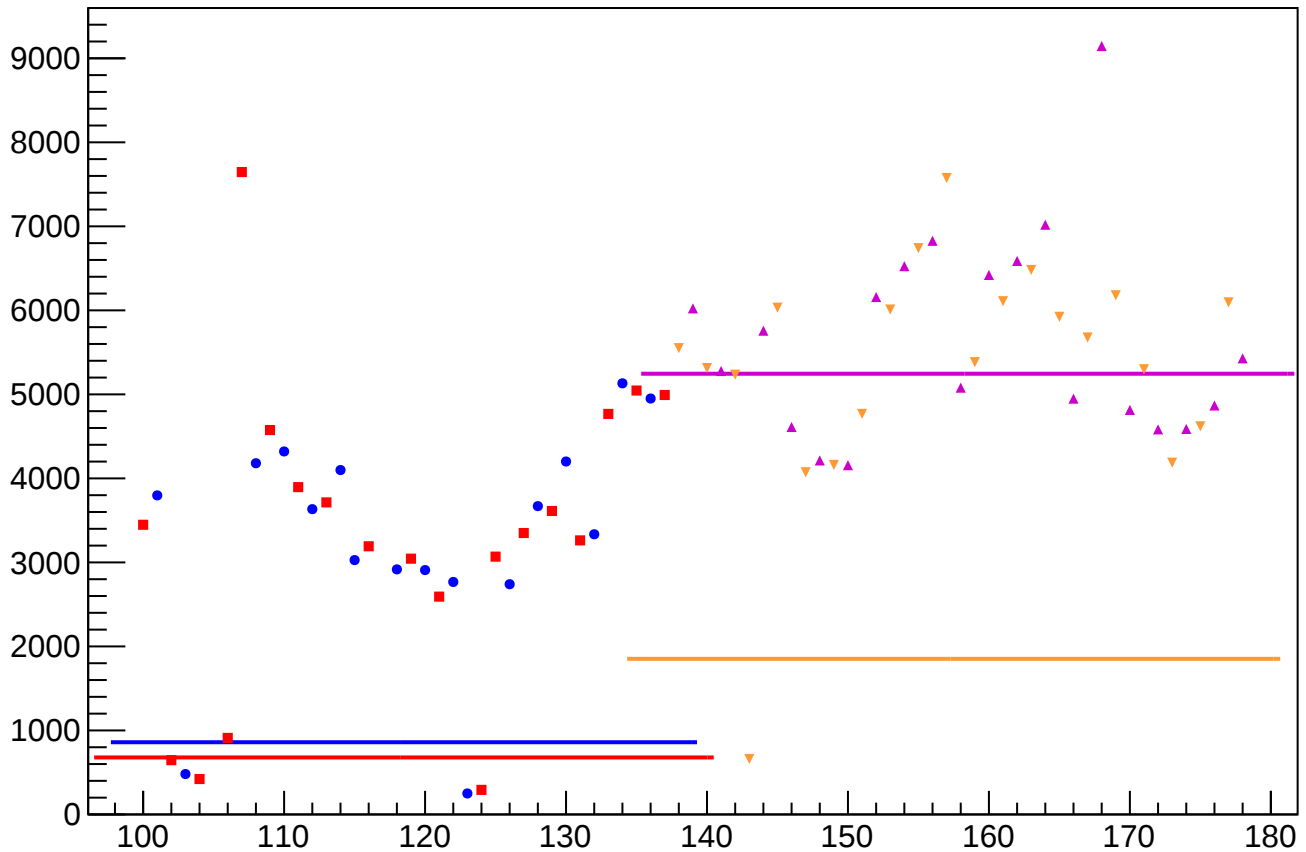
Left In: -479.886 ± 1357.243 χ^2/NDF : 12.7/19

+ sign -259.365 ± 428.091 χ^2/NDF : 51.1/37

All: -231.061 ± 297.224 χ^2/NDF : 84.6/76

- sign -204.718 ± 412.993 χ^2/NDF : 33.5/38

asym_atl_avg_correction_rms vs Slug



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

Left Out: 1852.305 $\pm$ 0.496 χ^2 /NDF:17387777.3/20

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

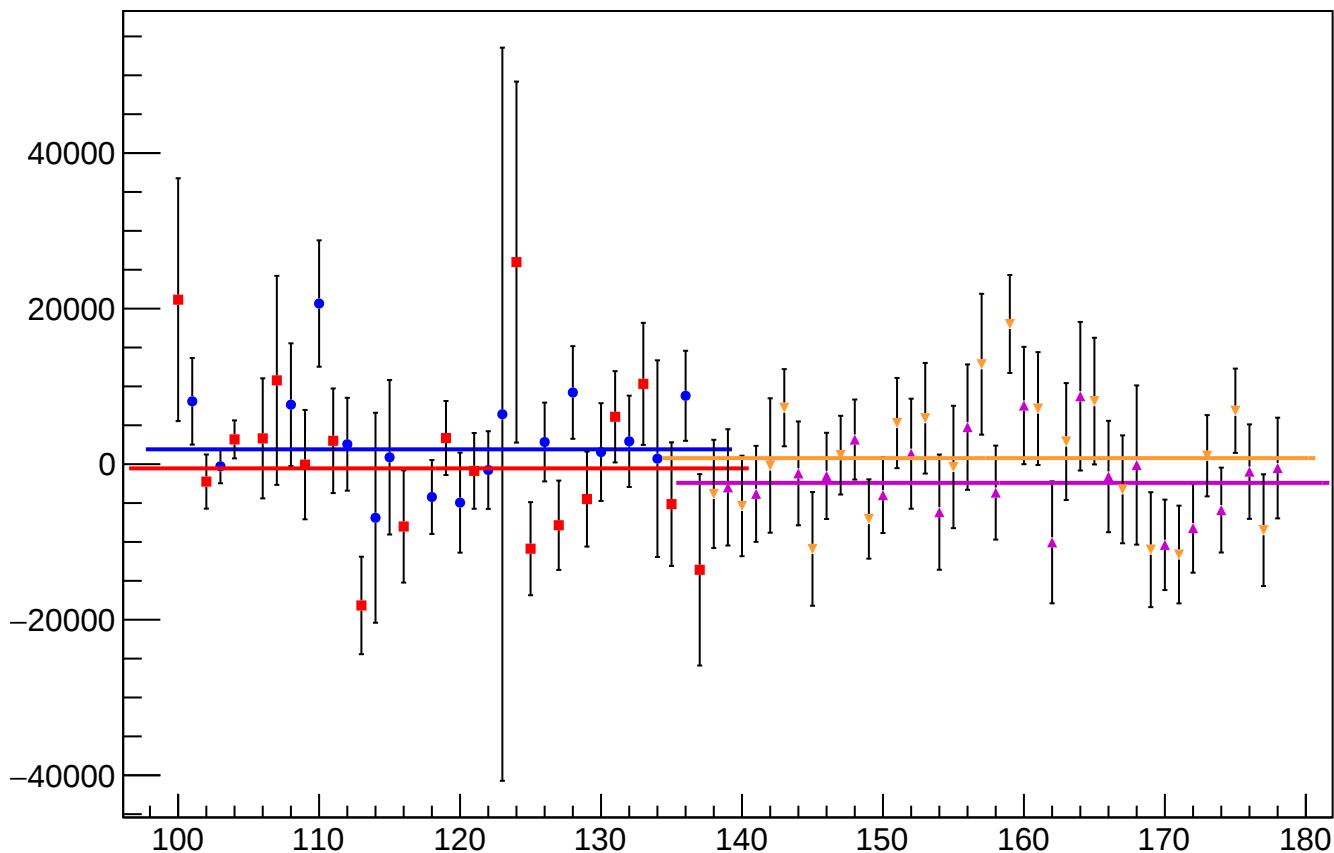
Left In: 5245.775 $\pm$ 0.960 χ^2 /NDF:1052036.9/19

+ sign 1229.277 $\pm$ 0.303 χ^2 /NDF: 28044879.2/37

All: 1163.087 $\pm$ 0.210 χ^2 /NDF: 58124092.6/7

- sign 1101.483 $\pm$ 0.292 χ^2 /NDF: 29986900.4/38

asym_atl_avg_mean vs Slug



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

Left Out: 774.921+/-1408.281 χ^2/NDF : 29.8/20

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

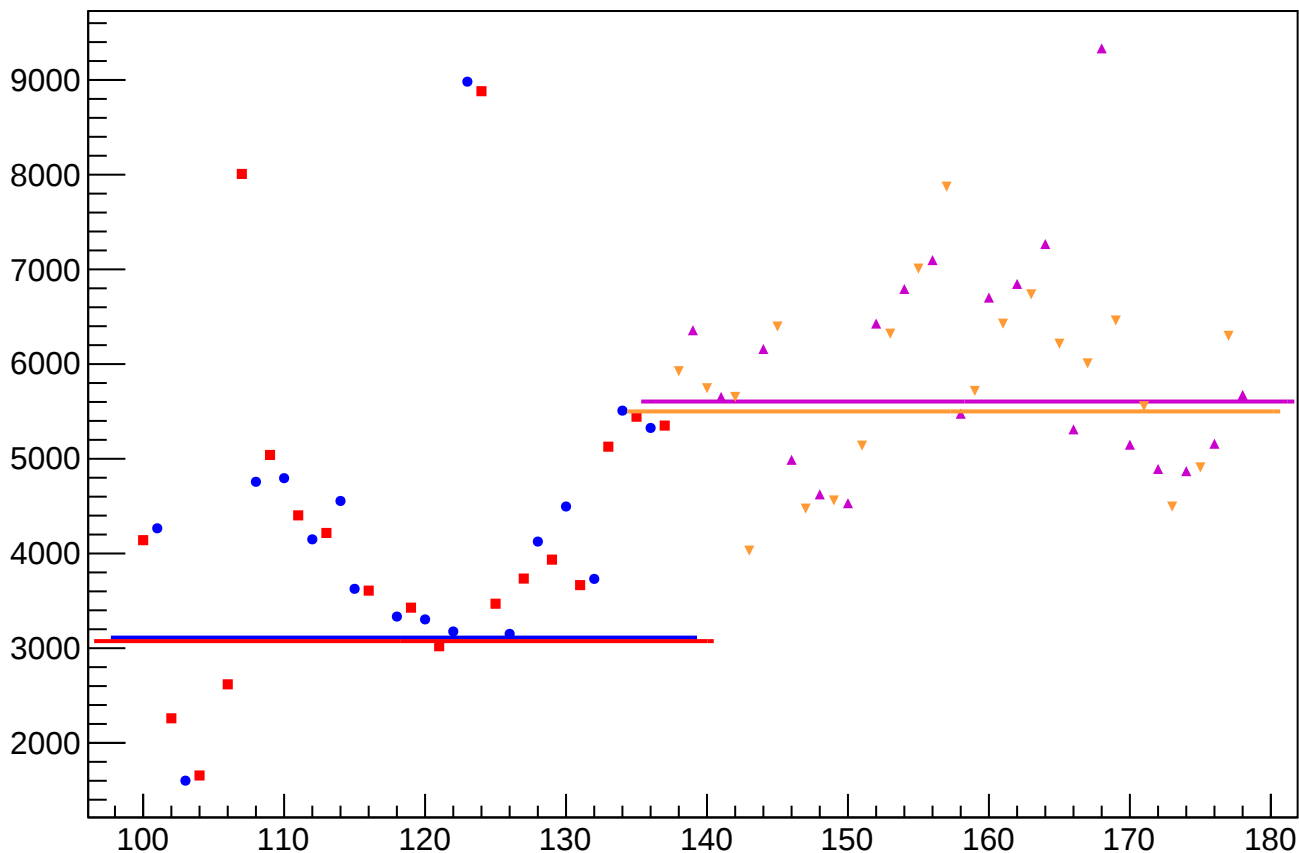
Left In: -2403.258+/-1445.995 χ^2/NDF : 10.3/19

+ sign 1383.002+/-959.260 χ^2/NDF : 44.7/37

All: 12.554+/-678.868 χ^2/NDF : 86.5/76

- sign -1362.500+/-960.871 χ^2/NDF : 37.7/38

asym_atl_avg_rms vs Slug



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

Left Out: 5500.167+/-0.996 χ^2/NDF : 883799.0/20

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

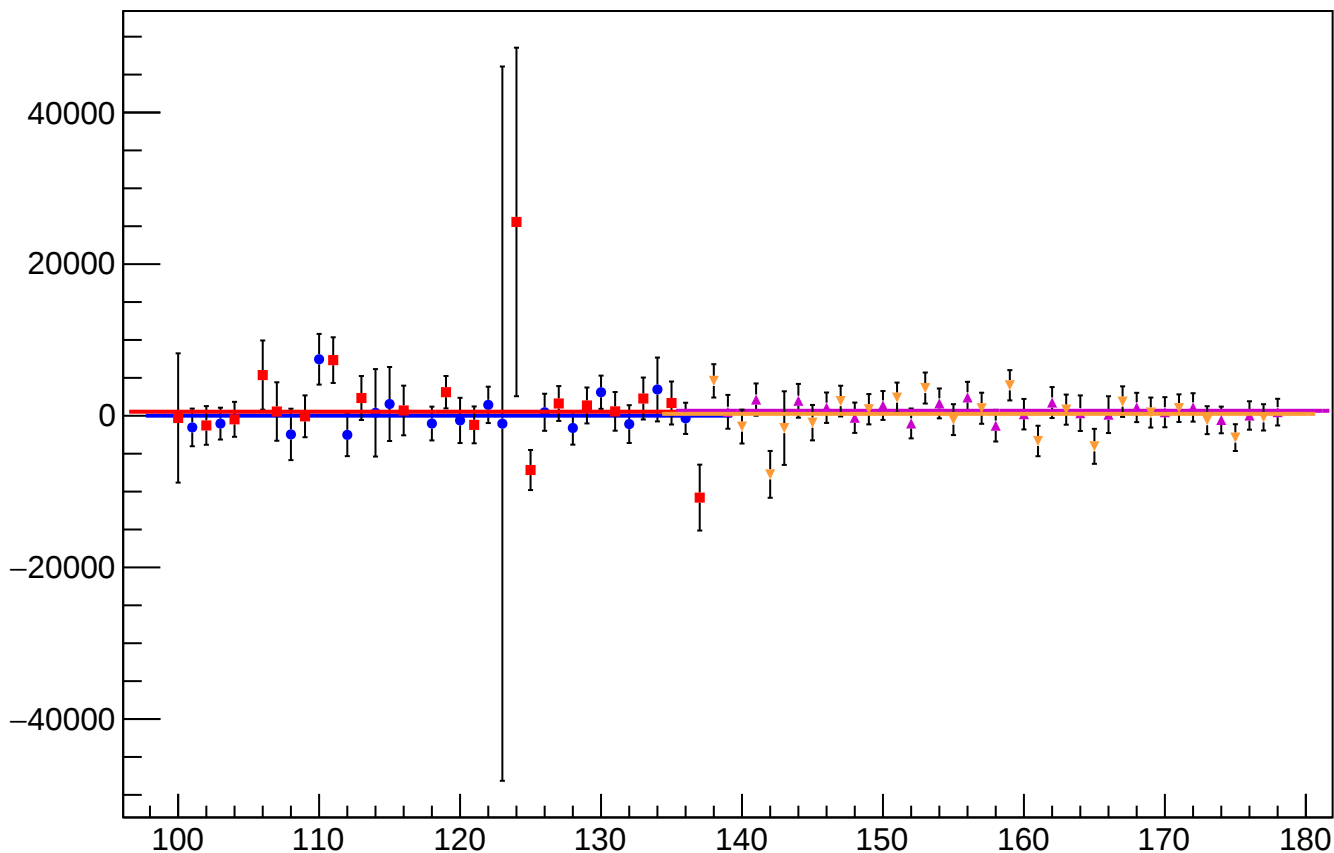
Left In: 5604.627+/-1.022 χ^2/NDF : 888733.0/19

+ sign 4219.949+/-0.678 χ^2/NDF : 5846771.3/37

All: 4196.684+/-0.478 χ^2/NDF : 12206077.5/77

- sign 4173.720+/-0.674 χ^2/NDF : 6356968.5/38

reg_asym_atl_dd_mean vs Slug



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

Left Out: 254.477+/-451.897 χ^2/NDF : 31.0/20

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

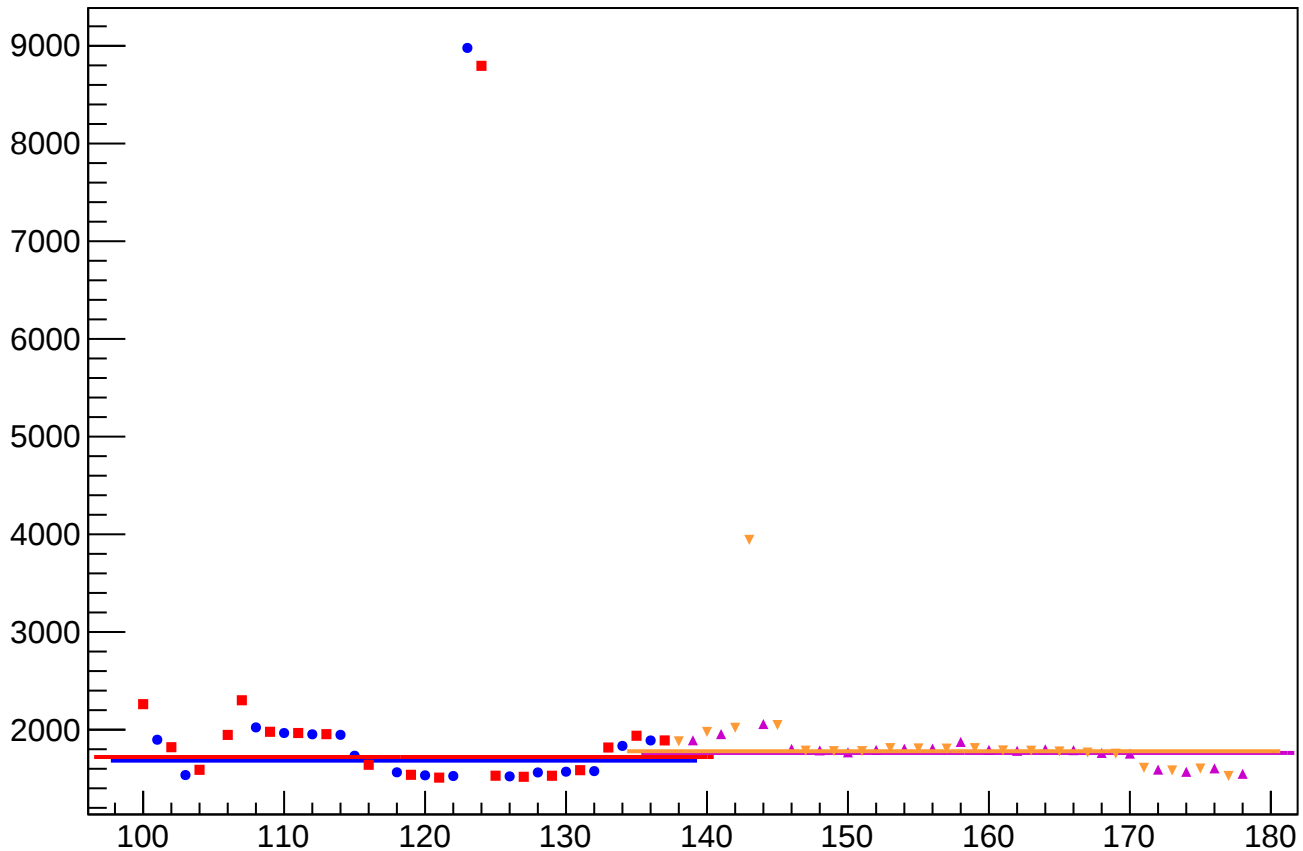
Left In: 657.348+/-449.231 χ^2/NDF : 4.9/19

+ sign 177.935+/-373.068 χ^2/NDF : 42.3/37

All: 399.597+/-263.268 χ^2/NDF : 74.6/76

- sign 619.485+/-371.572 χ^2/NDF : 31.6/38

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1779.560+/-0.320 χ^2/NDF : 560863.0/20

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

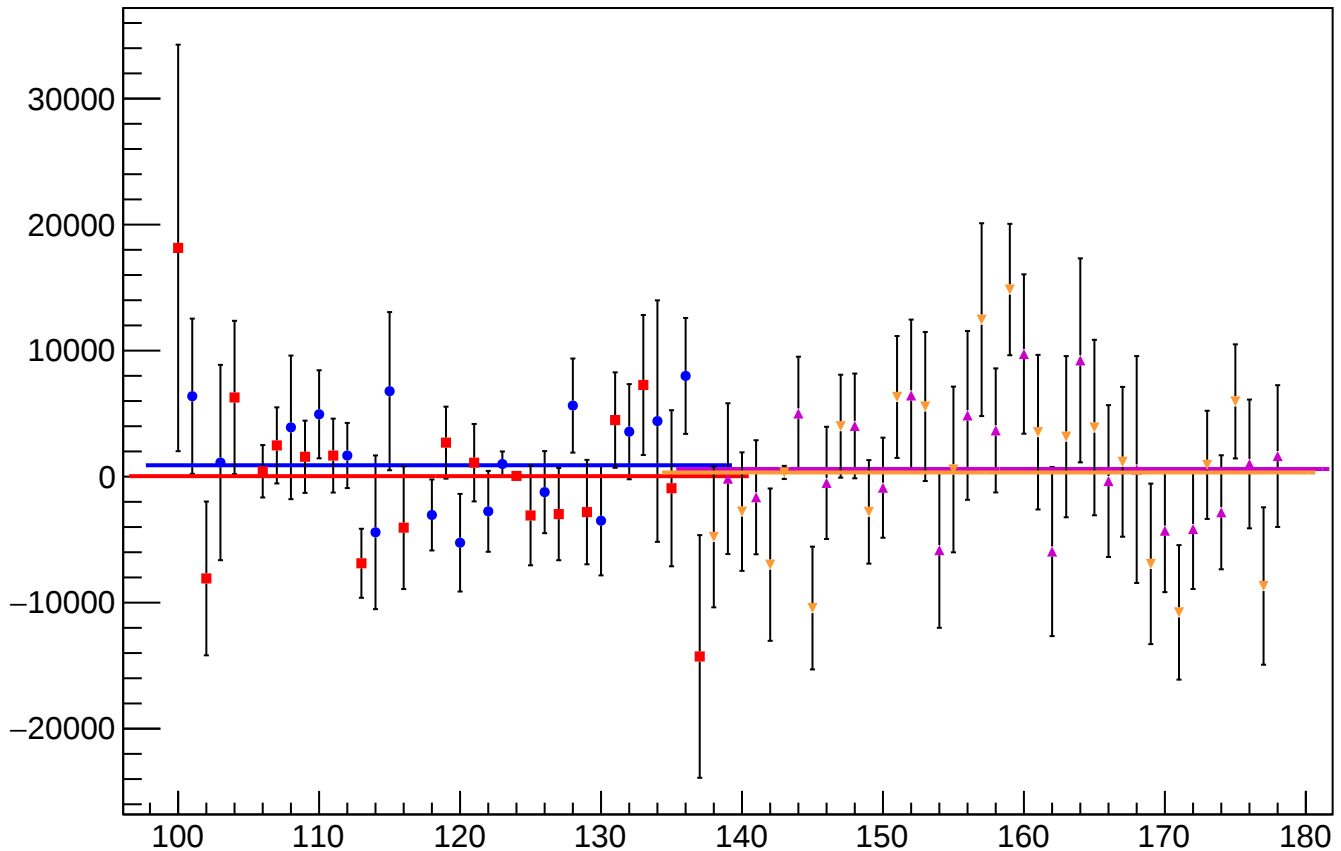
Left In: 1762.291+/-0.318 χ^2/NDF : 153979.5/19

+ sign 1748.893+/-0.264 χ^2/NDF : 785680.5/37

All: 1748.934+/-0.186 χ^2/NDF : 1341291.3/70

- sign 1748.974+/-0.262 χ^2/NDF : 555610.8/38

asym_atl_dd_correction_mean vs Slug



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

Left Out: 330.330+/-478.587 χ^2/NDF : 31.6/20

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

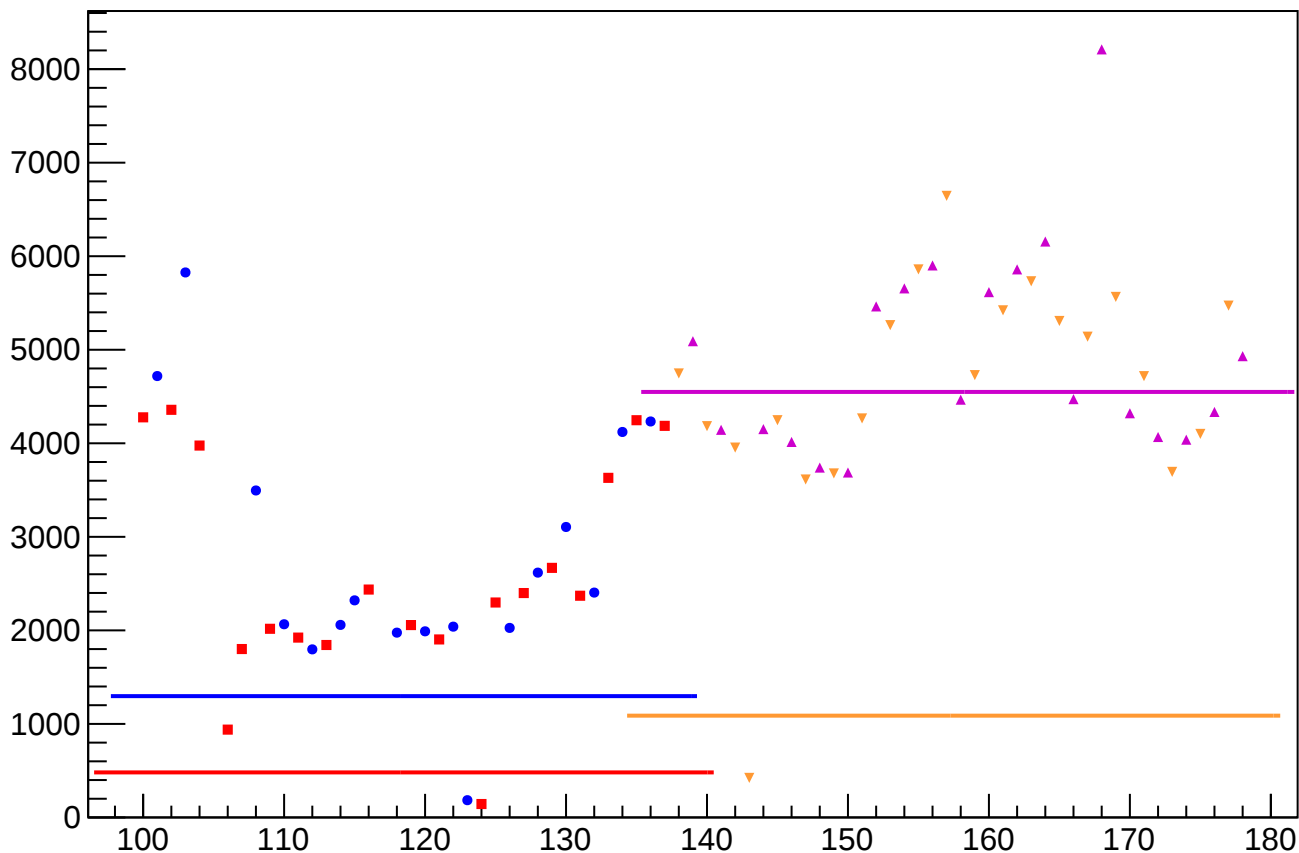
Left In: 604.468+/-1176.466 χ^2/NDF : 11.7/19

+ sign 510.895+/-396.068 χ^2/NDF : 48.1/37

All: 267.313+/-258.754 χ^2/NDF : 81.2/76

- sign 85.938+/-341.772 χ^2/NDF : 32.5/38

asym_atl_dd_correction_rms vs Slug



Right In: 1297.005+/-0.499 χ^2/NDF : 6509608.5/16

Left Out: 1088.248+/-0.338 χ^2/NDF : 20994063.1/20

Right Out: 481.577+/-0.253 χ^2/NDF : 10144170.1/18

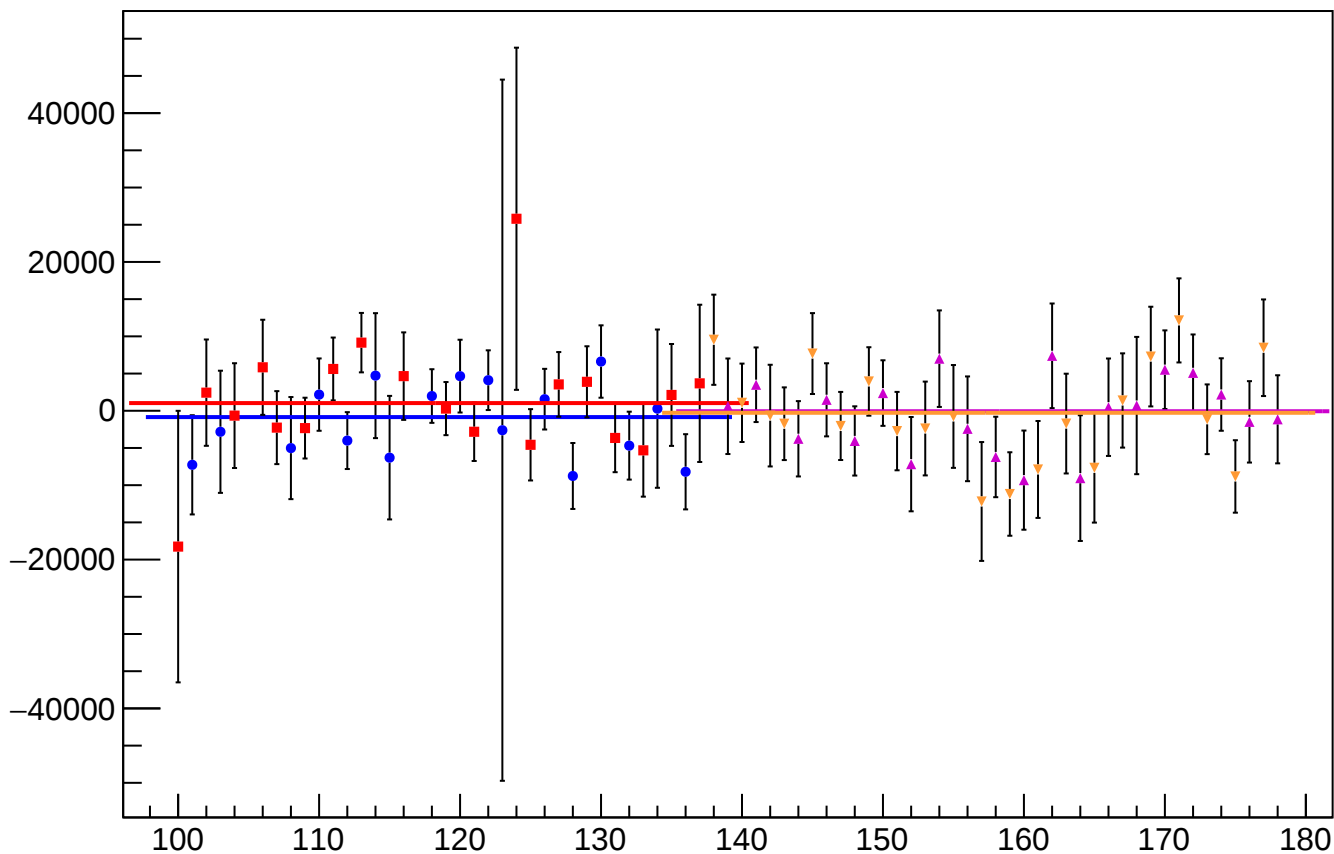
Left In: 4549.103+/-0.832 χ^2/NDF : 1045713.1/19

+ sign 1154.030+/-0.280 χ^2/NDF : 27623581.5/37

All: 965.350+/-0.183 χ^2/NDF : 61495033.5/76

- sign 824.855+/-0.242 χ^2/NDF : 33079599.3/38

asym_atl_dd_mean vs Slug



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

Left Out: -269.663 ± 1250.575 χ^2/NDF : 25.8/20

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

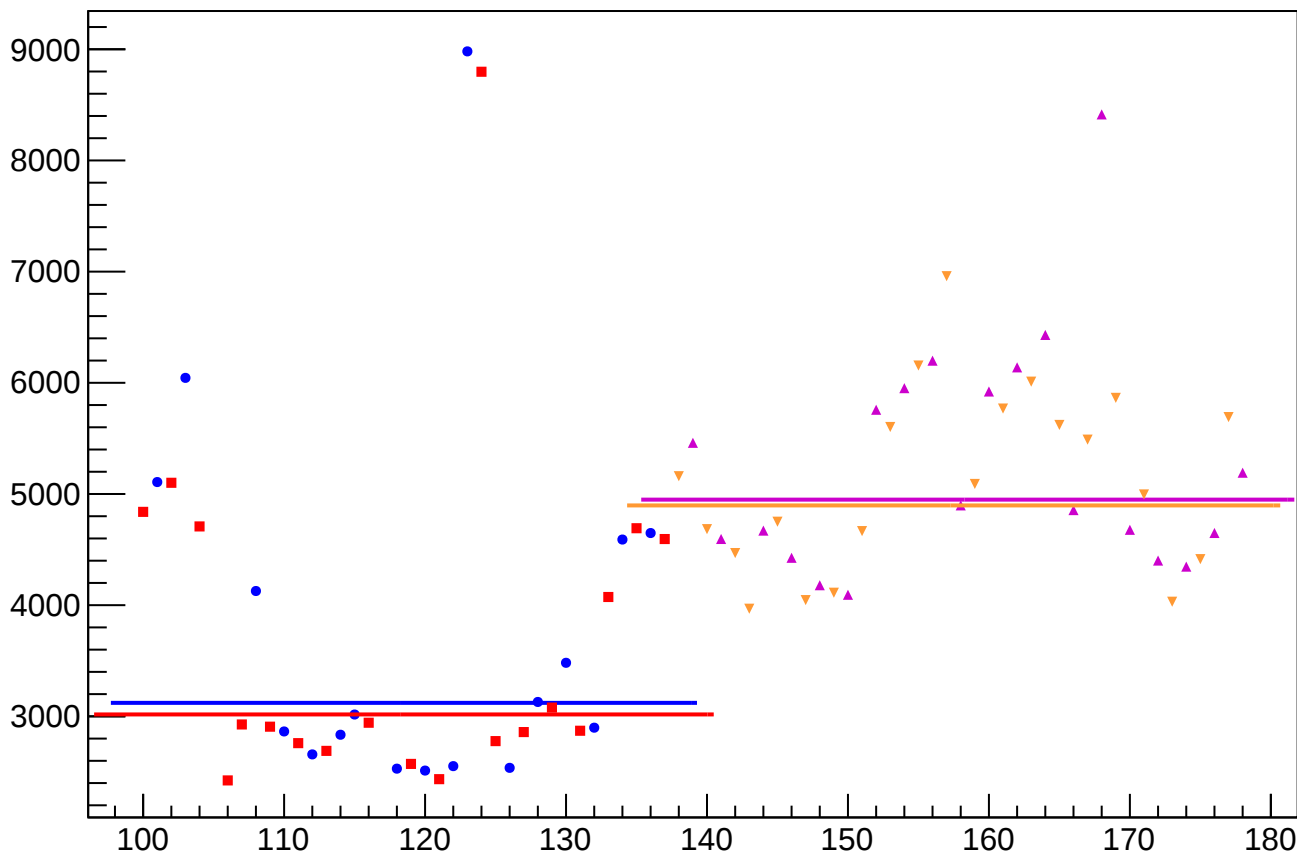
Left In: -64.321 ± 1275.469 χ^2/NDF : 12.7/19

+ sign -557.106 ± 887.962 χ^2/NDF : 41.3/37

All: -6.707 ± 621.576 χ^2/NDF : 70.2/76

- sign 522.116 ± 870.384 χ^2/NDF : 28.1/38

asym_atl_dd_rms vs Slug



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

Left Out: 4897.108+/-0.884 χ^2/NDF : 735315.3/20

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

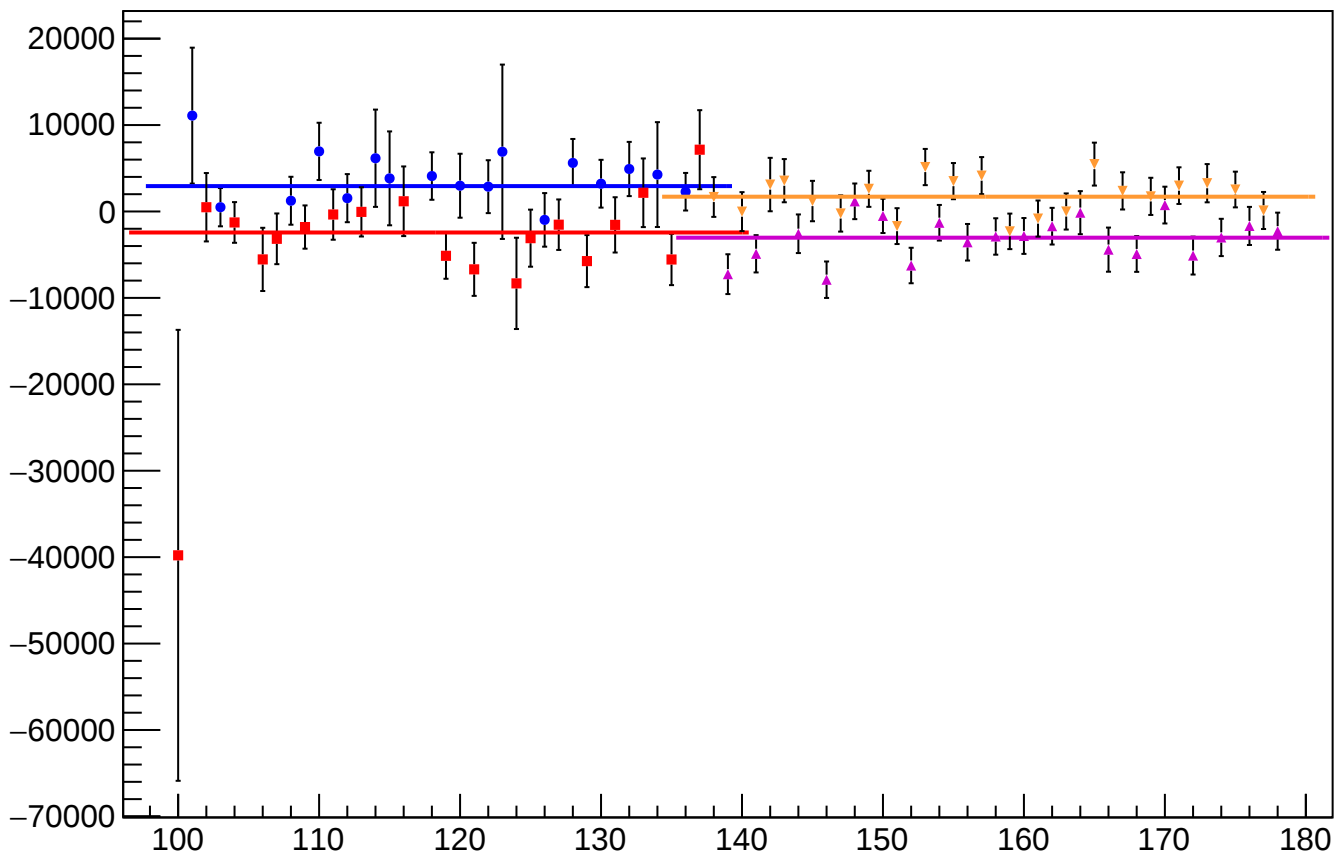
Left In: 4949.262+/-0.902 χ^2/NDF : 836940.2/19

+ sign 4016.646+/-0.628 χ^2/NDF : 3680369.4/37

All: 3959.274+/-0.438 χ^2/NDF : 7806212.6/70

- sign 3904.888+/-0.611 χ^2/NDF : 4109579.4/38

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1710.055 $\pm$ 478.749 χ^2 /NDF:19.8/20

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

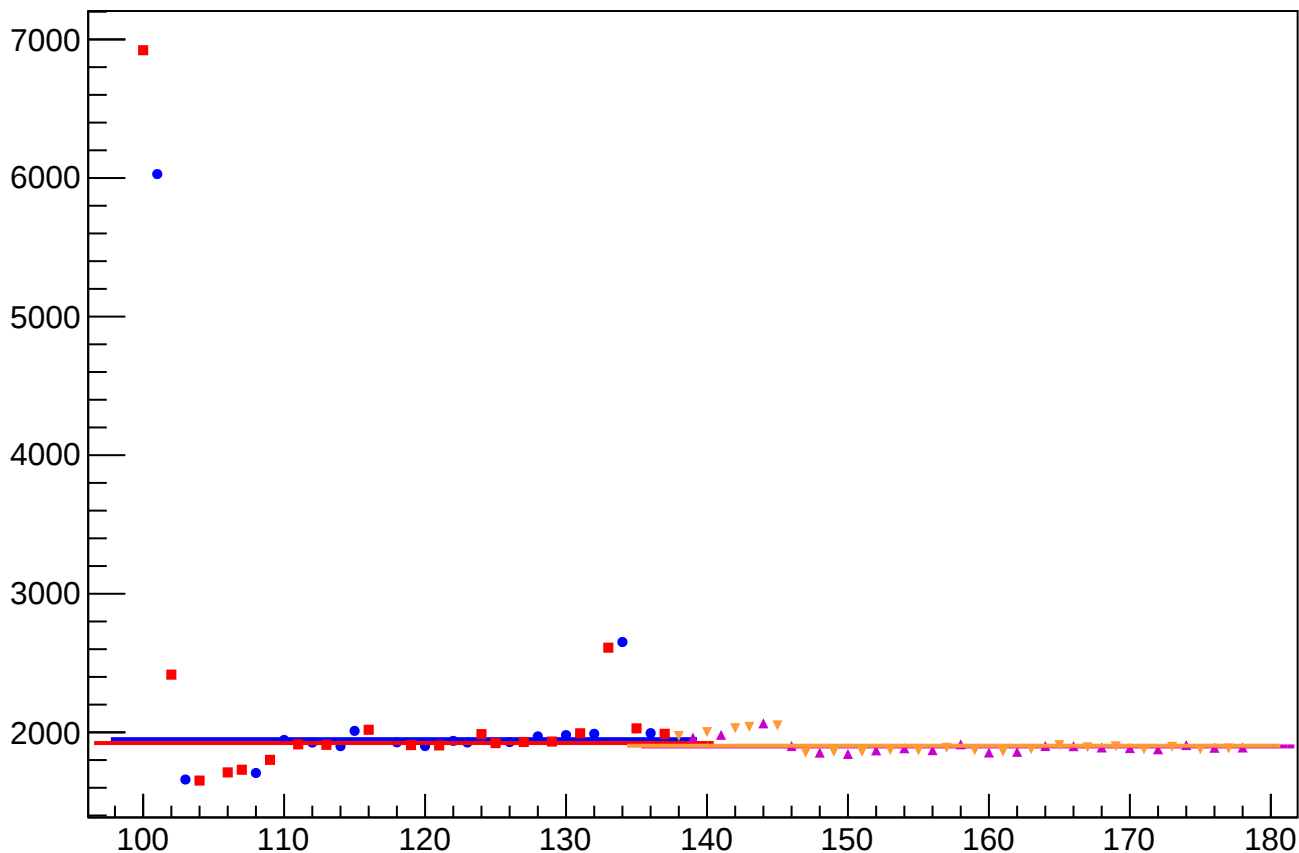
Left In: -3033.681 $\pm$ 481.830 χ^2 /NDF:25.9/19

+ sign 2048.387 $\pm$ 407.355 χ^2 /NDF: 29.7/37

All: -424.456 $\pm$ 286.795 χ^2 /NDF: 147.3/76

- sign -2854.907 $\pm$ 403.848 χ^2 /NDF: 44.5/38

reg_asym_atr_avg_rms vs Slug



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

Left Out: 1903.467+/-0.339 χ^2/NDF : 29166.1/20

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

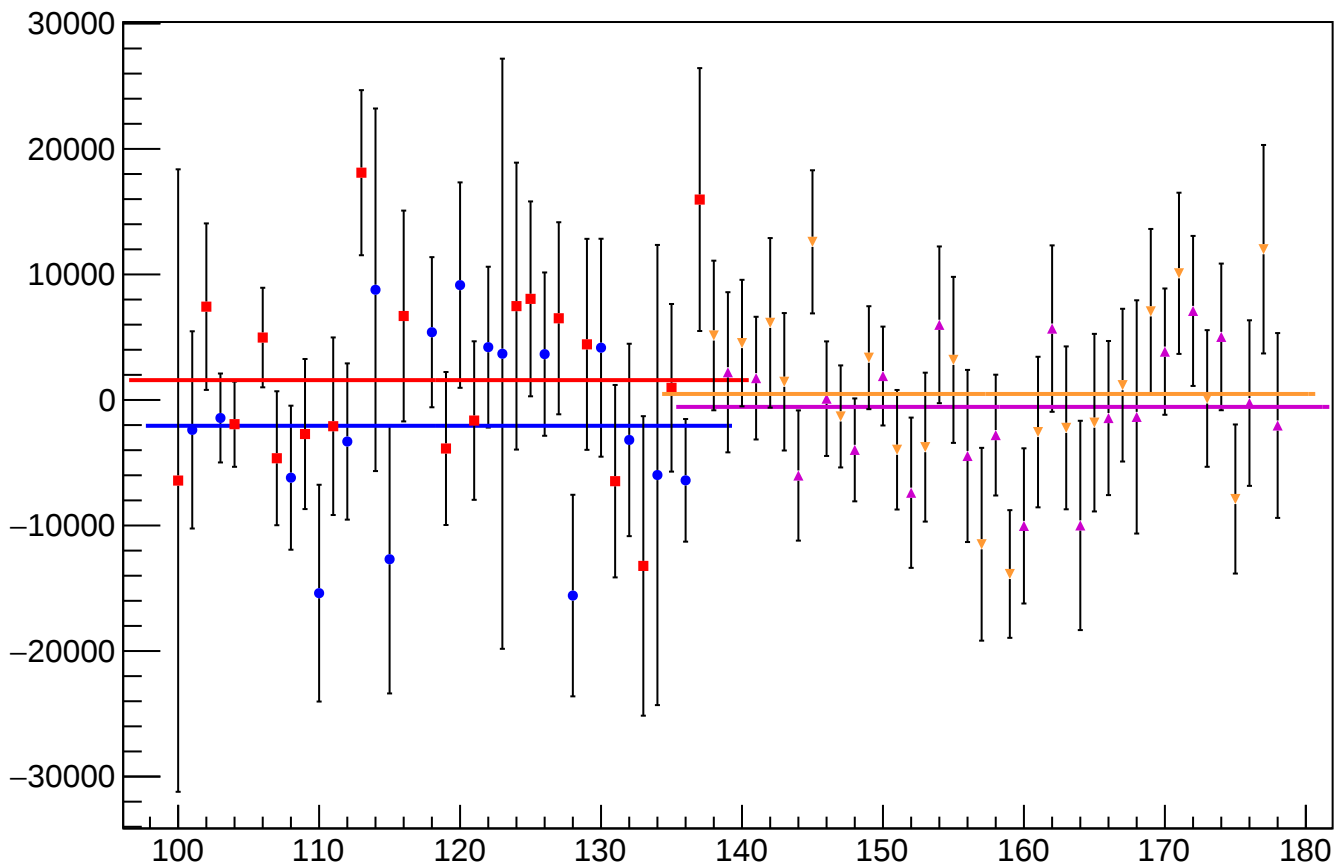
Left In: 1898.301+/-0.341 χ^2/NDF : 20969.3/19

+ sign 1916.480+/-0.288 χ^2/NDF : 651852.2/37

All: 1910.989+/-0.203 χ^2/NDF : 892479.0/76

- sign 1905.599+/-0.285 χ^2/NDF : 239906.5/38

asym_atr_avg_correction_mean vs Slug



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

Left Out: 479.033 $\pm$ 1243.007 χ^2 /NDF: 26.8/20

Right Out: 1580.717 $\pm$ 1477.405 χ^2 /NDF: 18.6/18

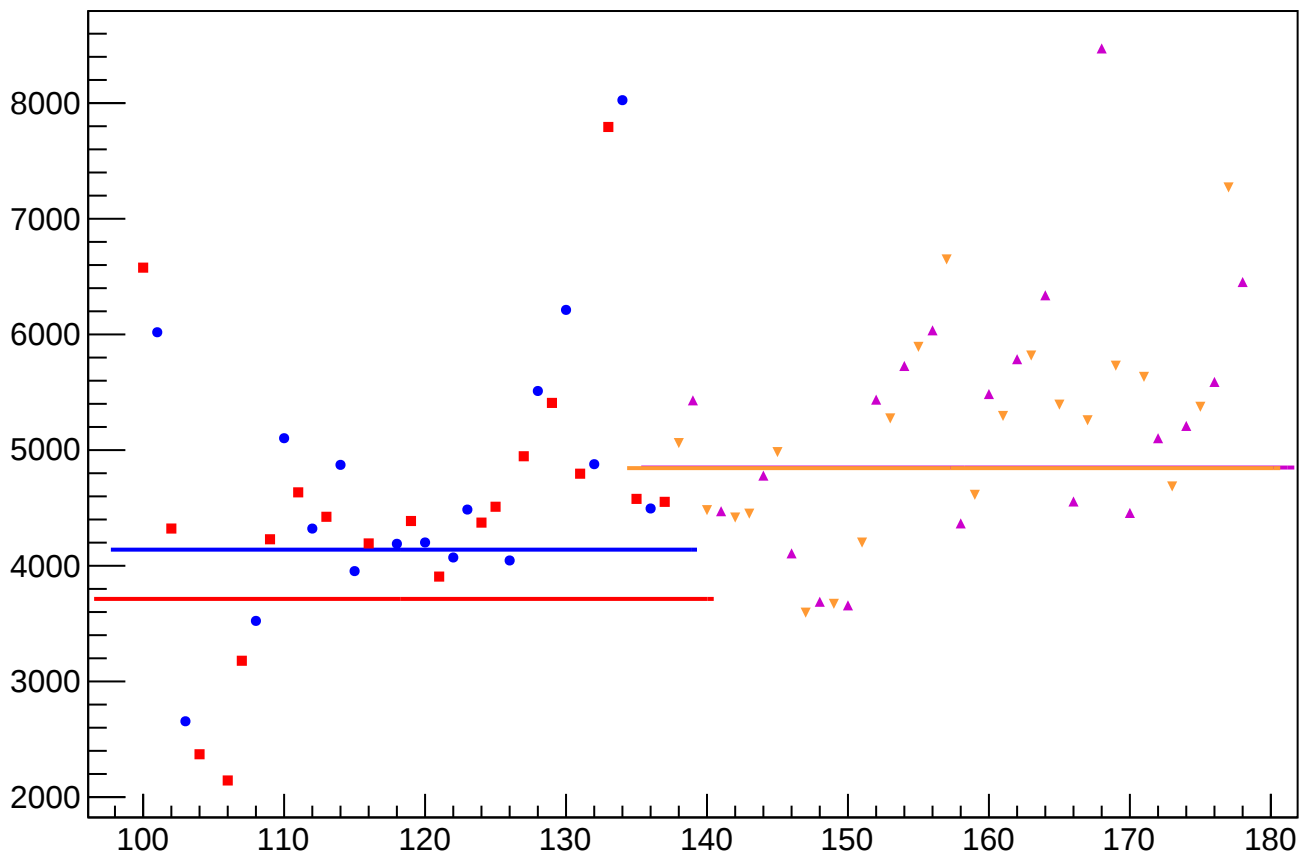
Left In: -551.934 $\pm$ 1256.577 χ^2 /NDF: 13.5/19

+ sign -431.265 $\pm$ 995.211 χ^2 /NDF: 42.3/37

All: -28.928 $\pm$ 689.884 χ^2 /NDF: 75.9/76

- sign 343.251 $\pm$ 957.185 χ^2 /NDF: 33.3/38

asym_atr_avg_correction_rms vs Slug



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

Left Out: 4844.171+/-0.879 χ^2/NDF : 929757.9/20

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

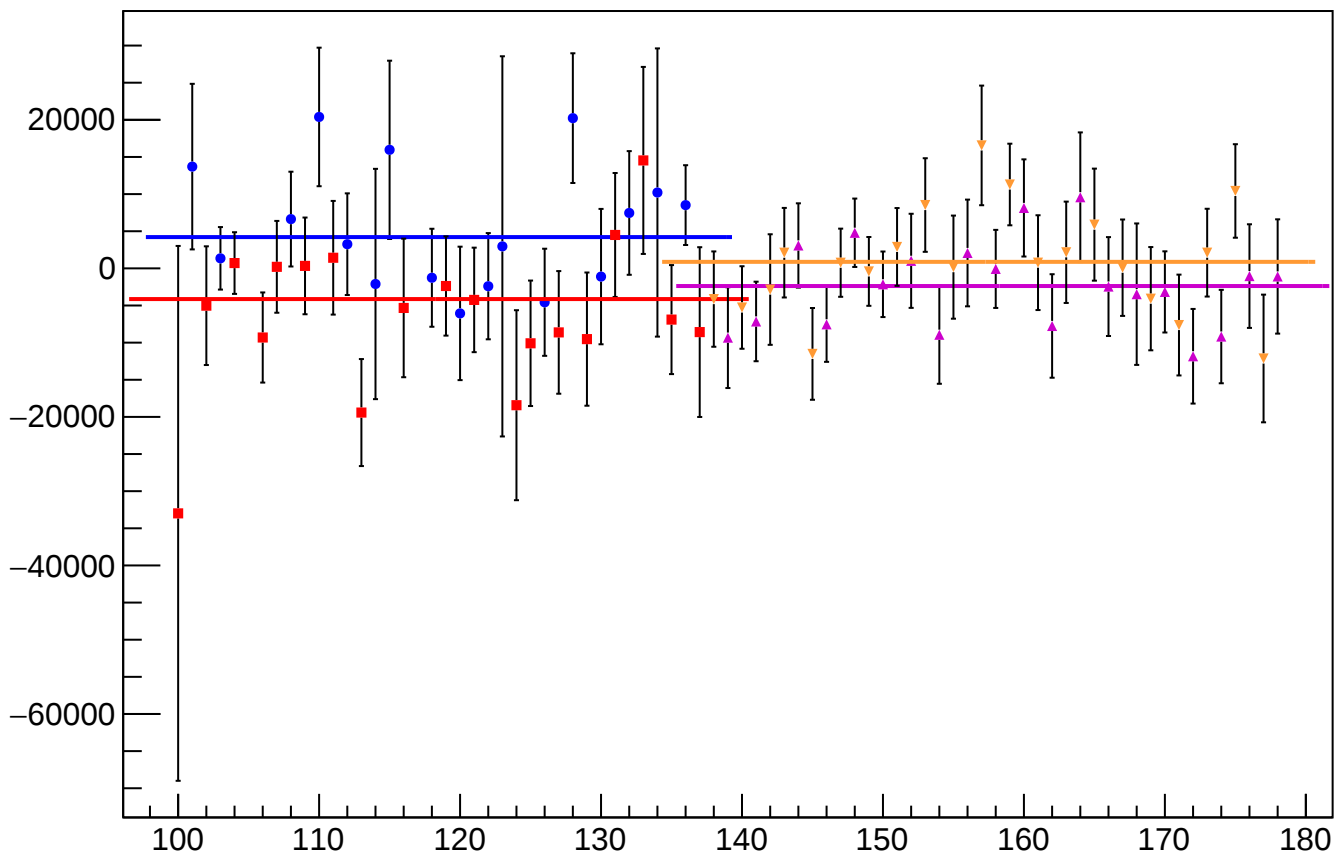
Left In: 4849.293+/-0.889 χ^2/NDF : 1140897.1/19

+ sign 4591.182+/-0.704 χ^2/NDF : 1974109.1/37

All: 4477.611+/-0.488 χ^2/NDF : 5126814.2/70

- sign 4372.552+/-0.677 χ^2/NDF : 3102565.6/38

asym_atr_avg_mean vs Slug



Right In: 4211.844+/-1871.304 χ^2/NDF : 14.4/16

Left Out: 878.561+/-1347.688 χ^2/NDF : 22.4/20

Right Out: -4133.660+/-1725.341 χ^2/NDF : 14.8/18

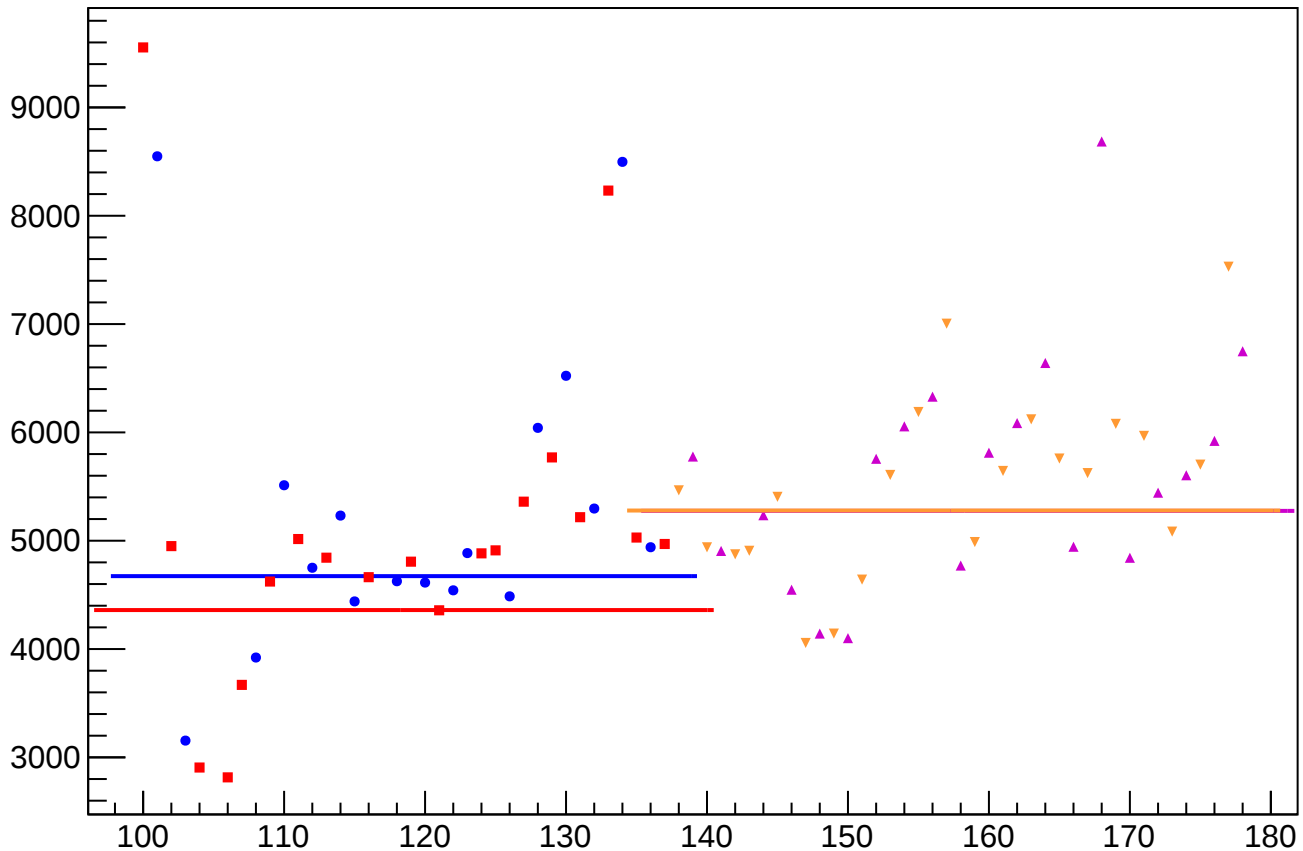
Left In: -2378.045+/-1360.469 χ^2/NDF : 16.6/19

+ sign 2016.972+/-1093.598 χ^2/NDF : 39.0/37

All: -576.369+/-764.191 χ^2/NDF : 82.0/76

- sign -3051.128+/-1068.303 χ^2/NDF : 32.0/38

asym_atr_avg_rms vs Slug



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

Left Out: 5278.713+/-0.953 χ^2/NDF : 698796.7/20

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

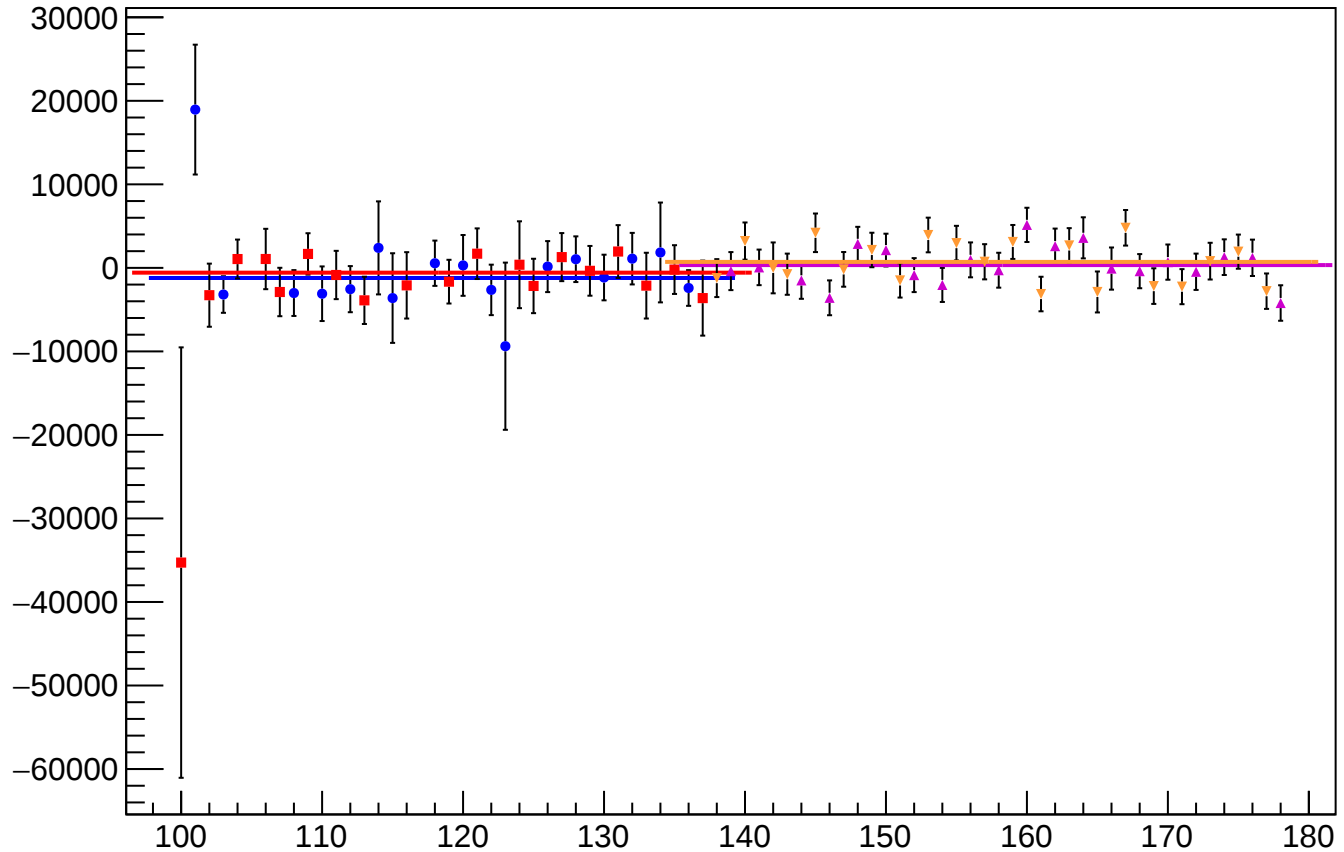
Left In: 5275.432+/-0.962 χ^2/NDF : 886629.4/19

+ sign 5071.861+/-0.773 χ^2/NDF : 1614076.0/37

All: 4994.955+/-0.540 χ^2/NDF : 3701966.0/70

- sign 4921.892+/-0.754 χ^2/NDF : 2068602.5/38

reg_asym_atr_dd_mean vs Slug



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

Left Out: 714.788 ± 473.415 χ^2/NDF : 28.6/20

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

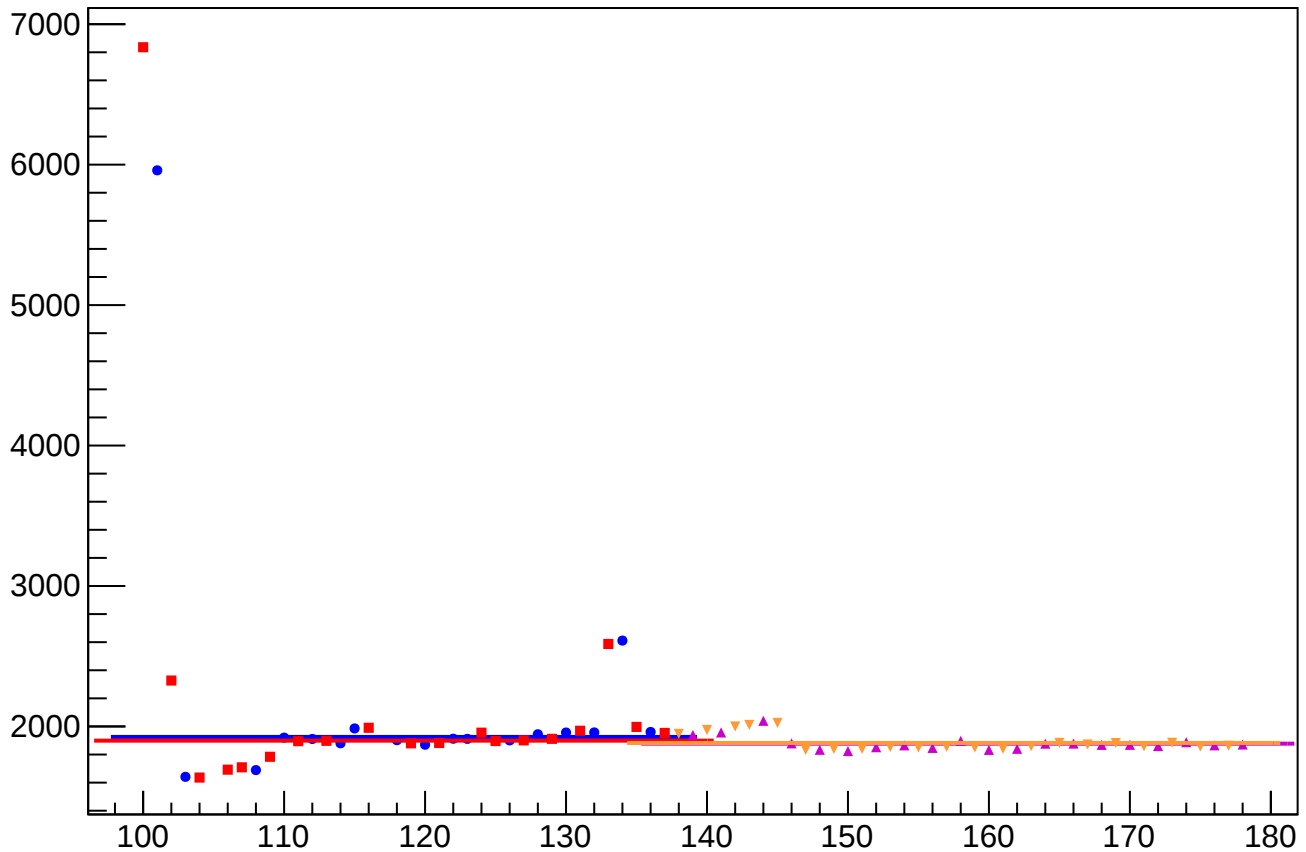
Left In: 333.031 ± 476.553 χ^2/NDF : 22.3/19

+ sign 181.753 ± 402.608 χ^2/NDF : 45.8/37

All: 121.615 ± 283.459 χ^2/NDF : 77.9/76

- sign 62.503 ± 399.158 χ^2/NDF : 32.1/38

reg_asym_atr_dd_rms vs Slug



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1882.328+/-0.335 χ^2/NDF : 27451.2/20

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

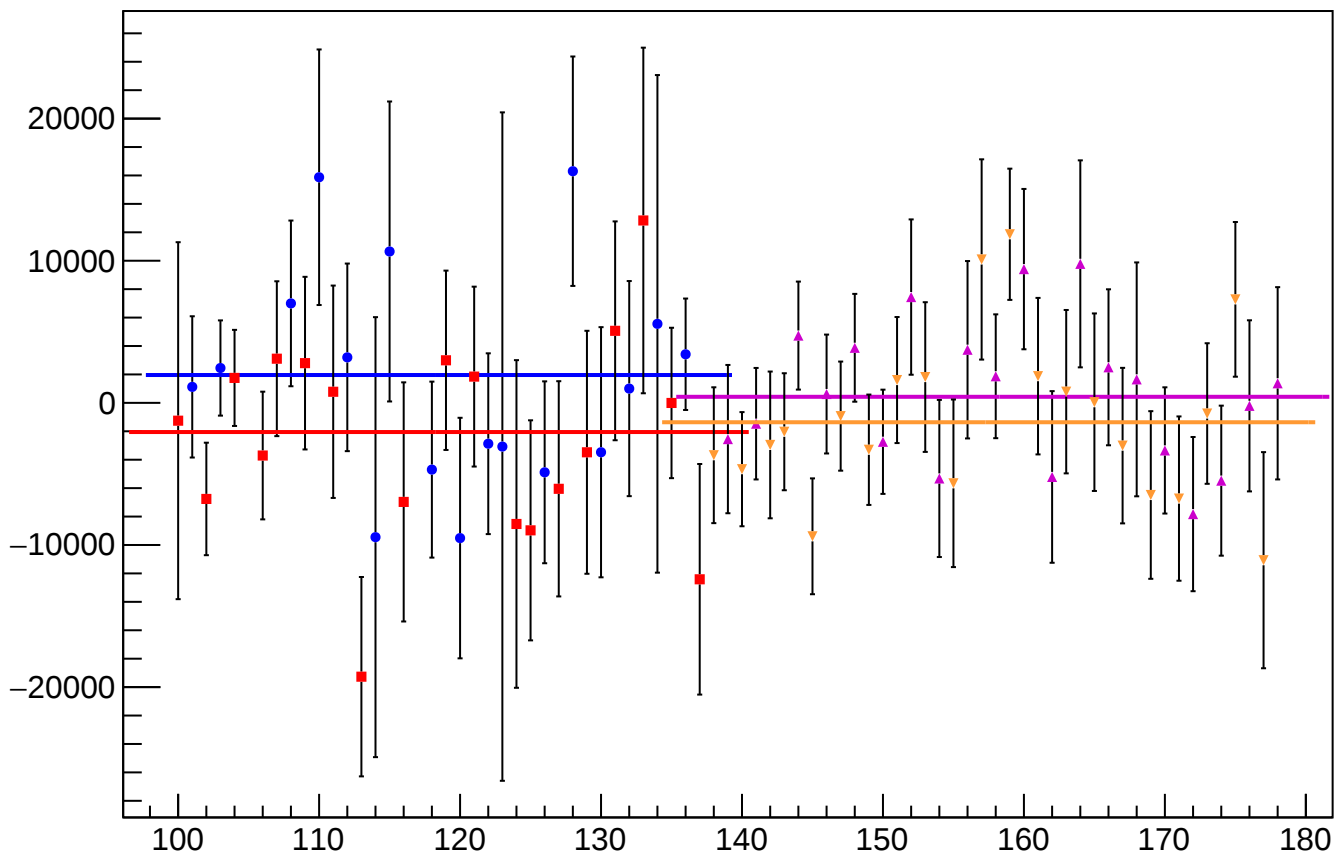
Left In: 1877.516+/-0.337 χ^2/NDF : 20348.2/19

+ sign 1894.226+/-0.285 χ^2/NDF : 647879.8/37

All: 1889.017+/-0.200 χ^2/NDF : 880967.0/76

- sign 1883.904+/-0.282 χ^2/NDF : 232423.8/38

asym_atr_dd_correction_mean vs Slug



Right In: 1959.060 $\pm$ 1556.840 χ^2 /NDF: 12.9/16

Left Out: -1363.907 $\pm$ 1083.122 χ^2 /NDF:23.8/20

Right Out: -2052.842 $\pm$ 1413.641 χ^2 /NDF: 17.4/18

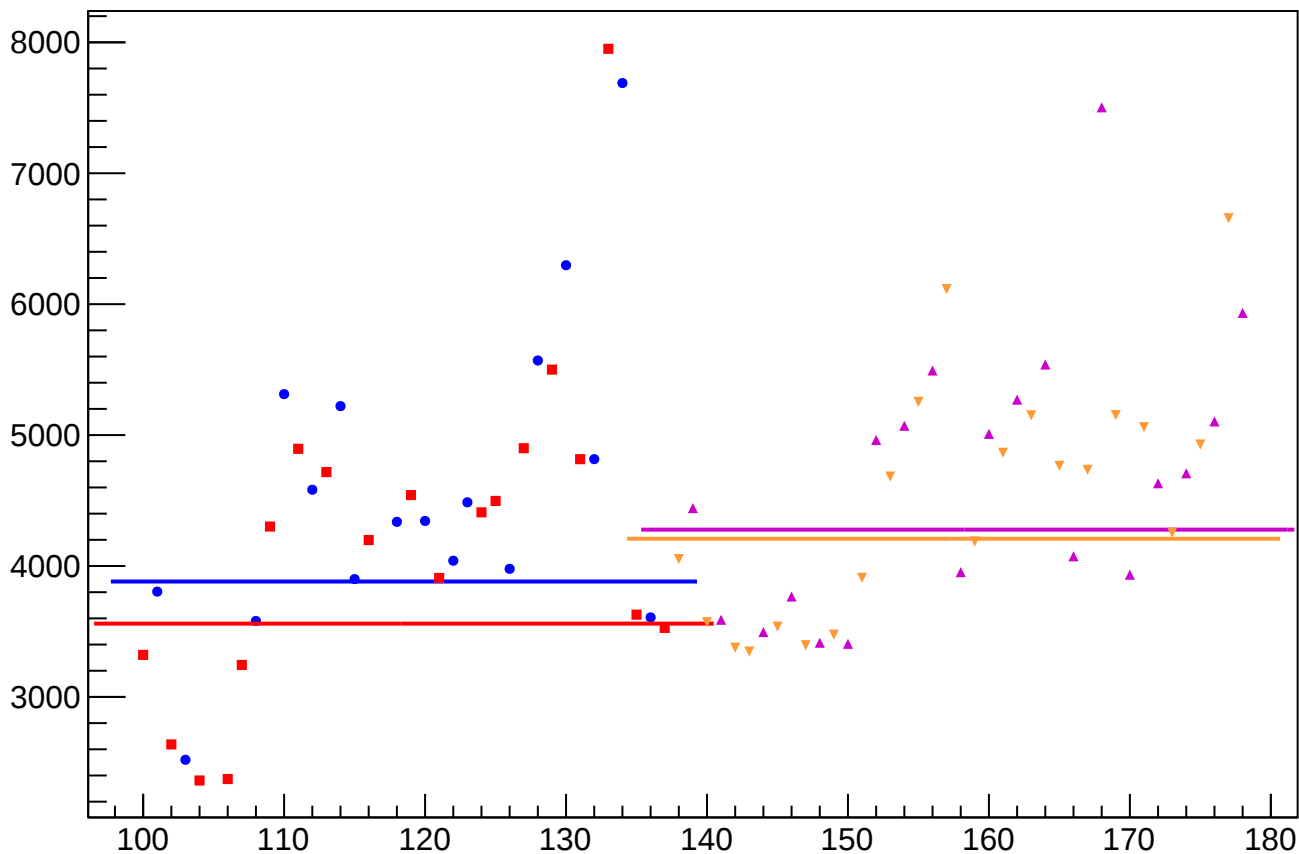
Left In: 426.647 $\pm$ 1109.496 χ^2 /NDF:16.1/19

+ sign -280.101 $\pm$ 889.113 χ^2 /NDF: 39.8/37

All: -401.507 $\pm$ 622.844 χ^2 /NDF: 75.3/76

- sign -518.495 $\pm$ 872.784 χ^2 /NDF: 35.4/38

asym_atr_dd_correction_rms vs Slug



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

Left Out: 4208.454+/-0.766 χ^2/NDF : 1096127.3/20

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

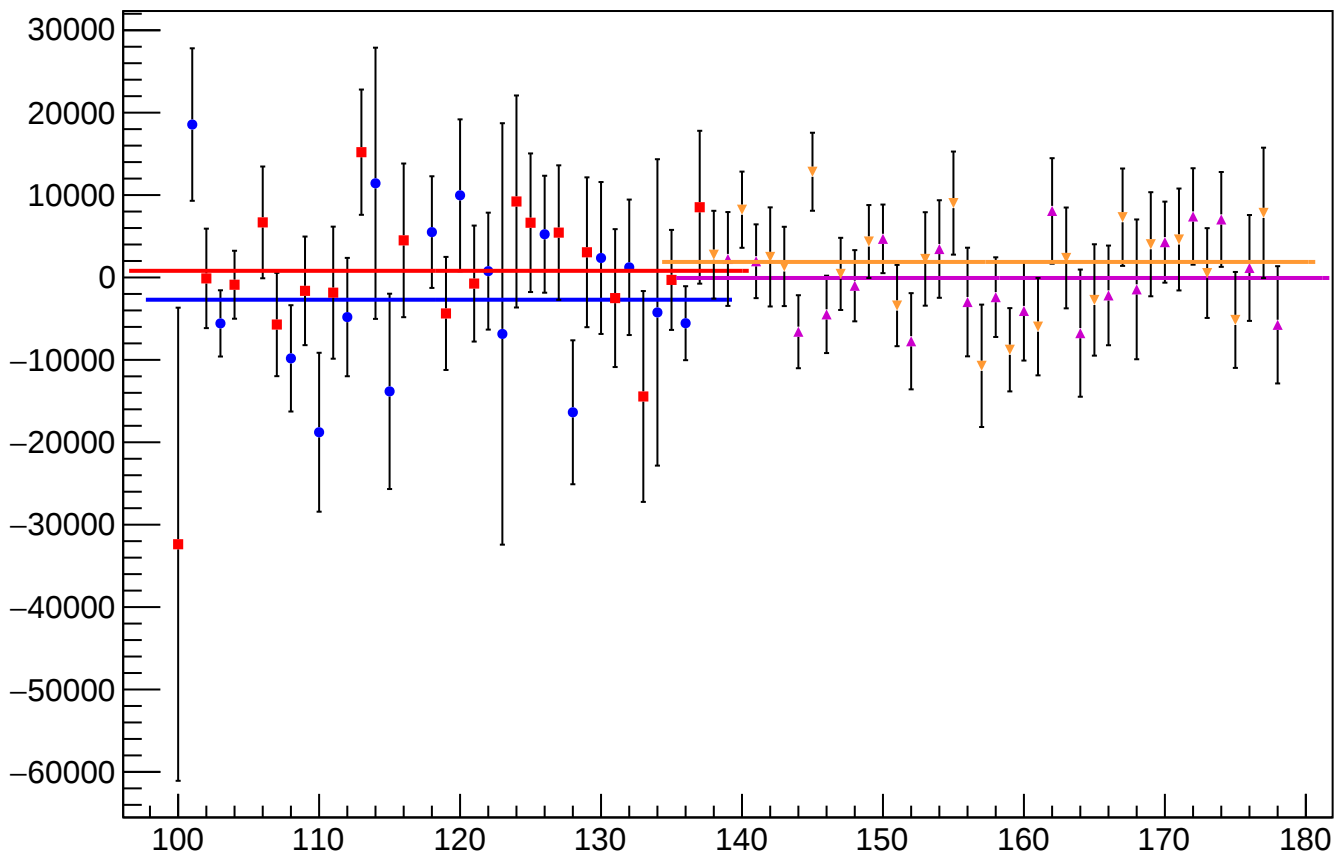
Left In: 4277.839+/-0.785 χ^2/NDF : 1203907.6/19

+ sign 4101.841+/-0.629 χ^2/NDF : 1973005.2/37

All: 4052.131+/-0.440 χ^2/NDF : 4749793.6/70

- sign 4004.230+/-0.617 χ^2/NDF : 2764512.4/38

asym_atr_dd_mean vs Slug



Right In: -2700.702 ± 1809.055 χ^2/NDF : 19.8/16

Left Out: 1884.437 ± 1202.126 χ^2/NDF : 23.0/20

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

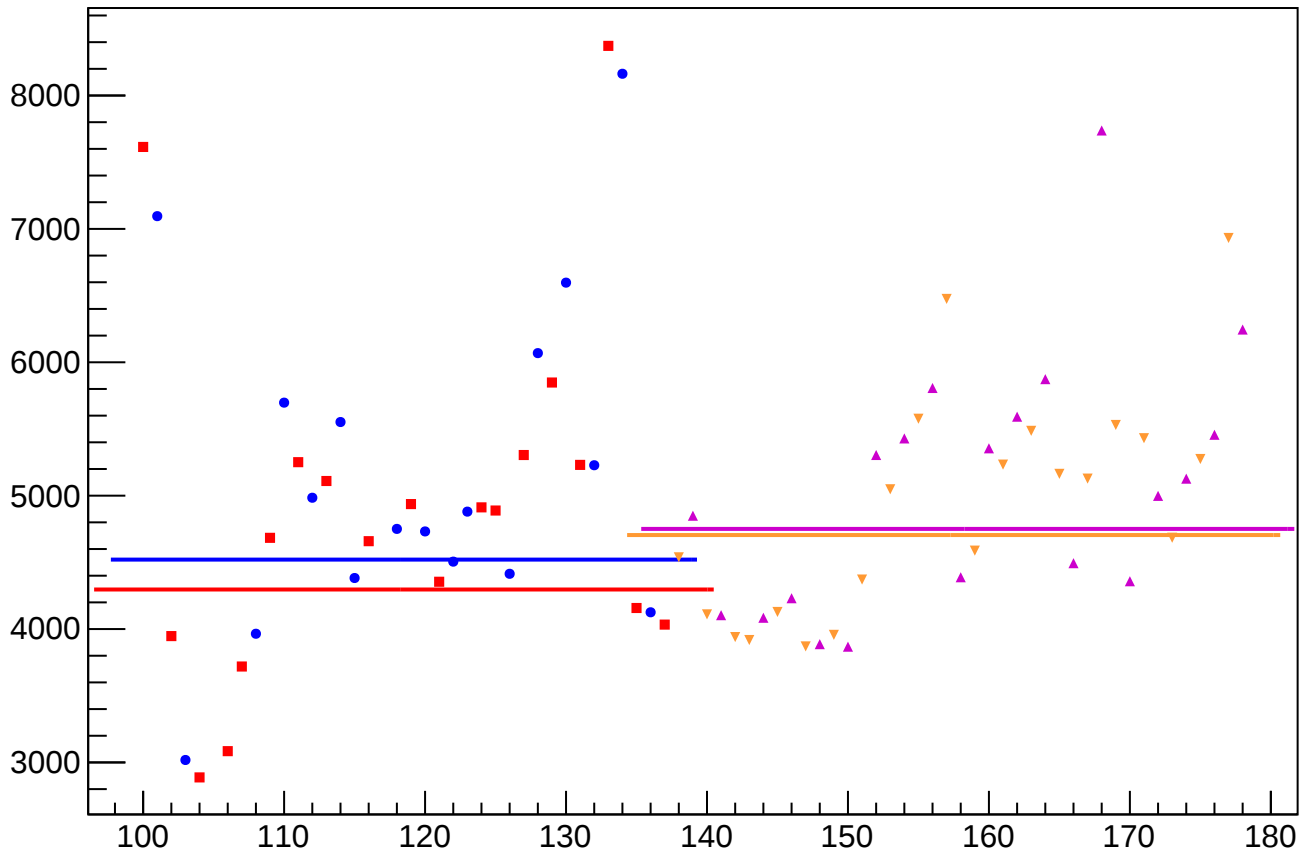
Left In: -62.157 ± 1224.647 χ^2/NDF : 14.8/19

+ sign 479.961 ± 1001.227 χ^2/NDF : 47.2/37

All: 357.150 ± 704.592 χ^2/NDF : 73.8/76

- sign 236.658 ± 991.726 χ^2/NDF : 26.6/38

asym_atr_dd_rms vs Slug



Right In: 4520.685 $\pm$ 1.279 χ^2 /NDF: 770887.4/16

Left Out: 4704.758 $\pm$ 0.850 χ^2 /NDF: 757911.0/20

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

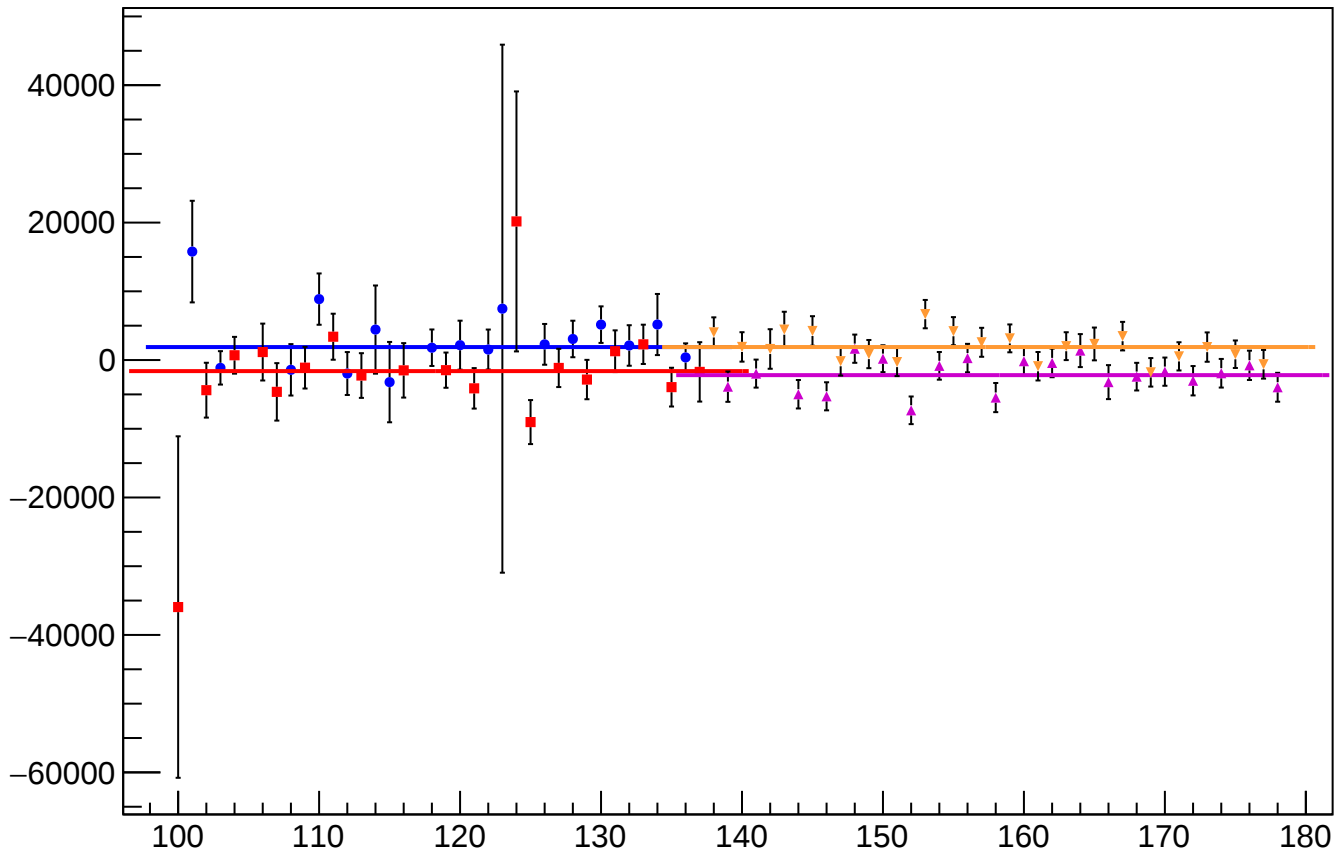
Left In: 4750.844 $\pm$ 0.866 χ^2 /NDF: 874919.3/19

+ sign 4648.375 $\pm$ 0.708 χ^2 /NDF: 1543162.4/37

All: 4620.532 $\pm$ 0.498 χ^2 /NDF: 3288362.6/70

- sign 4593.319 $\pm$ 0.700 χ^2 /NDF: 1742141.8/38

reg_asym_at1_avg_mean vs Slug



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

Left Out: 1892.708 $\pm$ 465.604 χ^2 /NDF:20.4/20

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

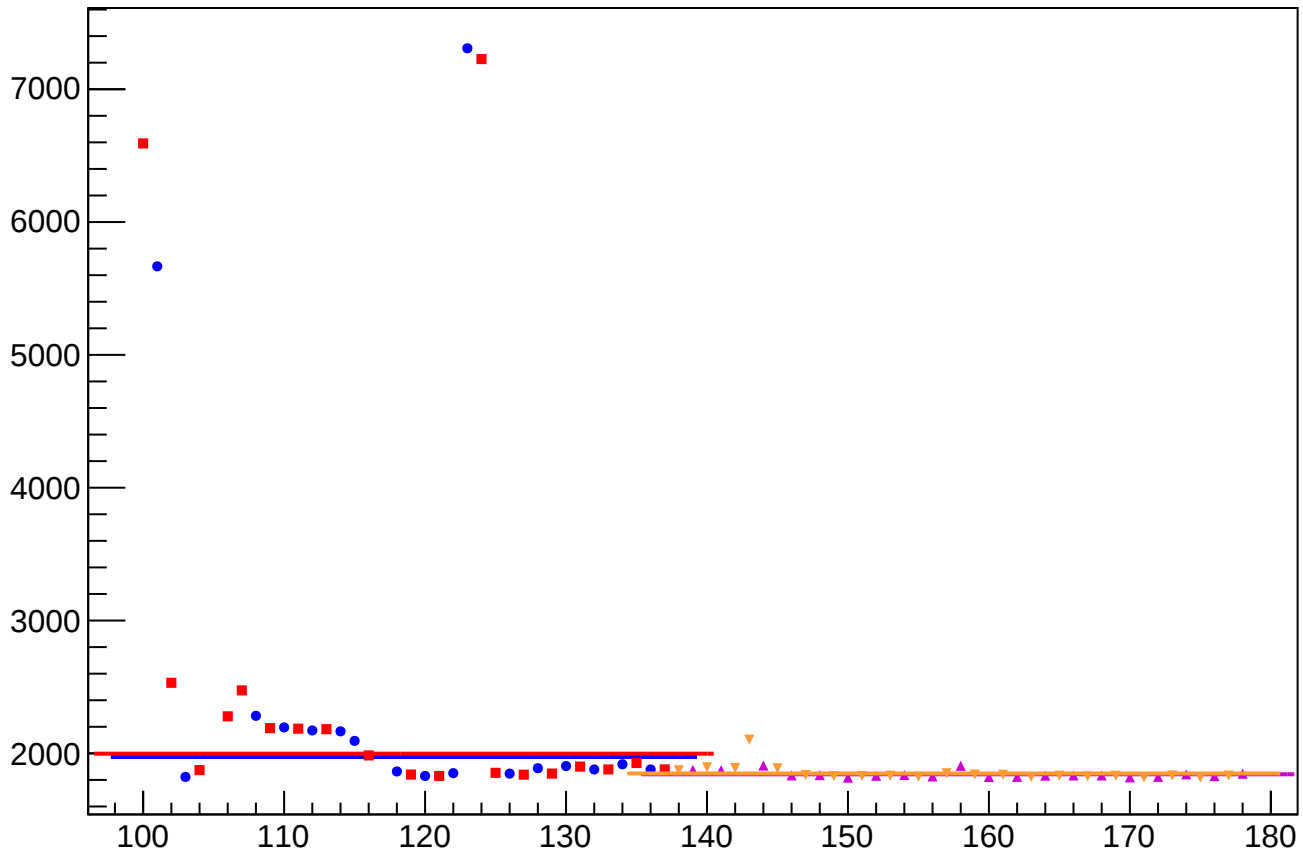
Left In: -2196.361 $\pm$ 468.497 χ^2 /NDF:25.9/19

+ sign 1891.458 $\pm$ 400.305 χ^2 /NDF: 35.0/37

All: -75.882 $\pm$ 282.826 χ^2 /NDF: 127.1/76

- sign -2036.769 $\pm$ 399.648 χ^2 /NDF: 43.8/38

reg_asym_at1_avg_rms vs Slug



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1848.628+/-0.329 χ^2/NDF : 24242.5/20

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

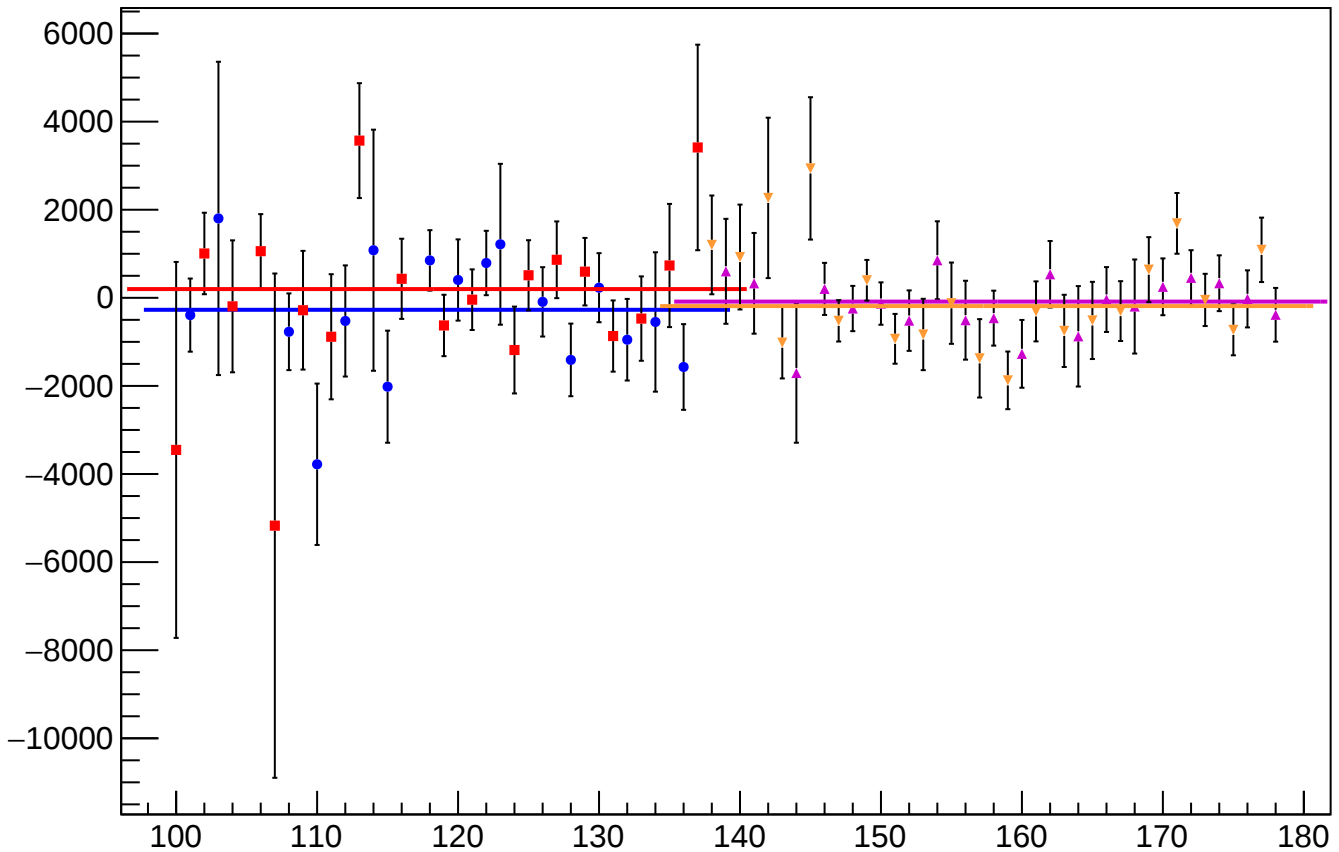
Left In: 1842.327+/-0.331 χ^2/NDF : 6293.2/19

+ sign 1880.932+/-0.283 χ^2/NDF : 662024.9/37

All: 1882.781+/-0.200 χ^2/NDF : 1083837.6/70

- sign 1884.624+/-0.283 χ^2/NDF : 421727.5/38

asym_at1_avg_correction_mean vs Slug



Right In: -271.773+/-240.214 χ^2/NDF : 17.2/16

Left Out: -187.814+/-155.973 χ^2/NDF : 35.2/20

Right Out: 198.424+/-229.035 χ^2/NDF : 19.7/18

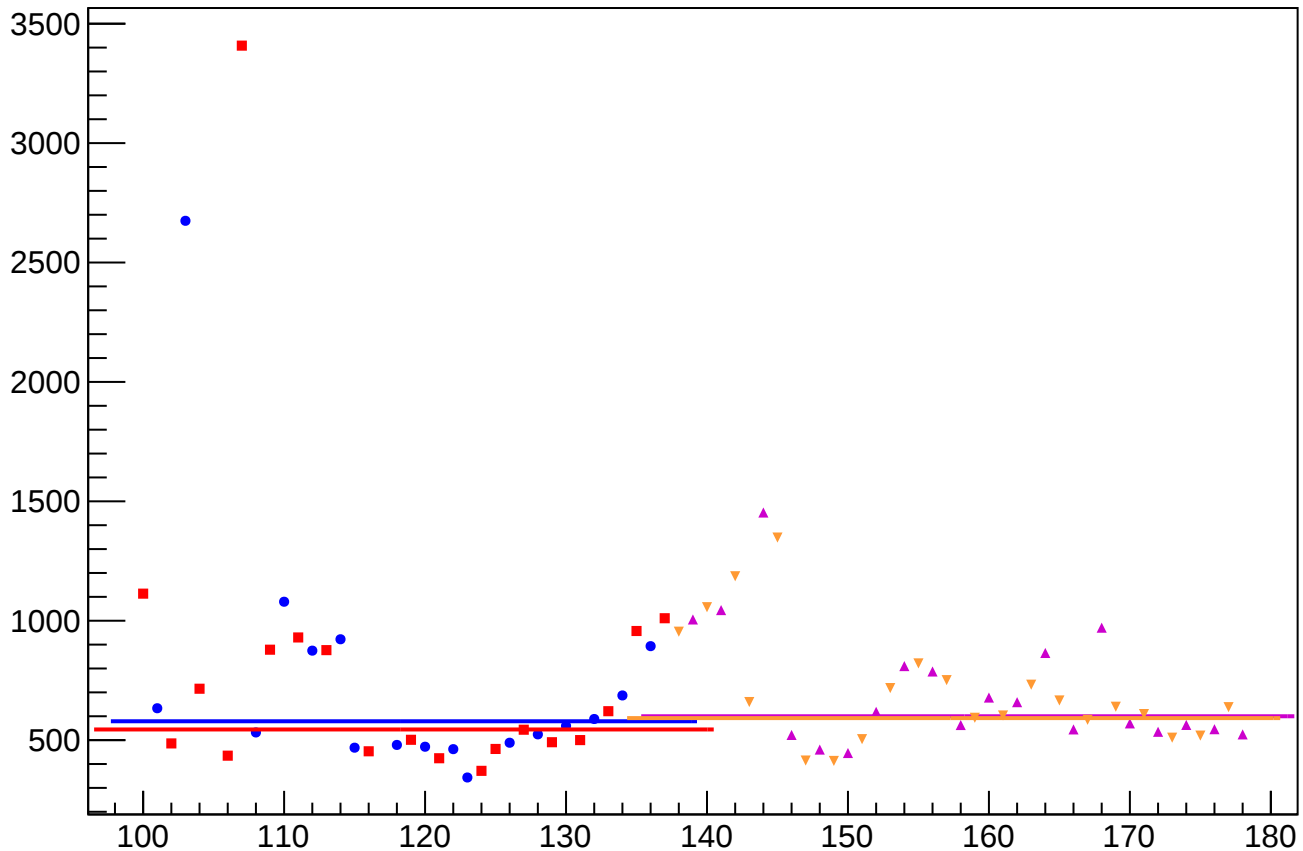
Left In: -85.566+/-159.133 χ^2/NDF : 9.2/19

+ sign -212.713+/-130.816 χ^2/NDF : 52.5/37

All: -102.800+/-92.455 χ^2/NDF : 83.9/76

- sign 6.894+/-130.686 χ^2/NDF : 29.9/38

asym_at1_avg_correction_rms vs Slug



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

Left Out: 592.237 $\pm$ 0.110 χ^2/NDF : 2209302.9/20

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

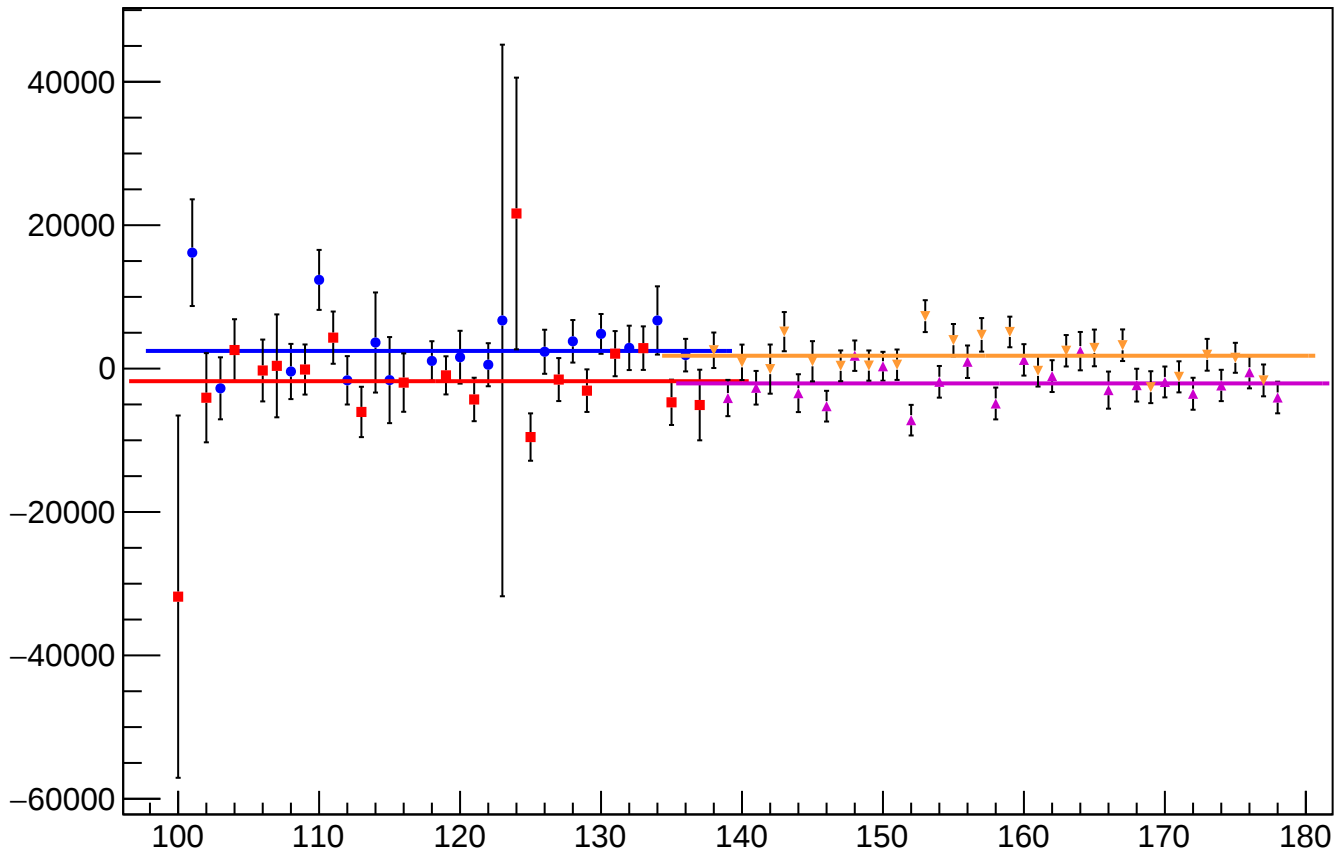
Left In: 599.973 $\pm$ 0.113 χ^2/NDF : 2181244.3/19

+ sign 588.315 $\pm$ 0.093 χ^2/NDF : 3635716.9/37

All: 585.139 $\pm$ 0.065 χ^2/NDF : 7355748.1/76

- sign 581.969 $\pm$ 0.092 χ^2/NDF : 3717675.8/38

asym_at1_avg_mean vs Slug



Right In: 2464.076 $\pm$ 863.197 χ^2 /NDF: 15.5/16

Left Out: 1793.904 $\pm$ 502.167 χ^2 /NDF: 24.2/20

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

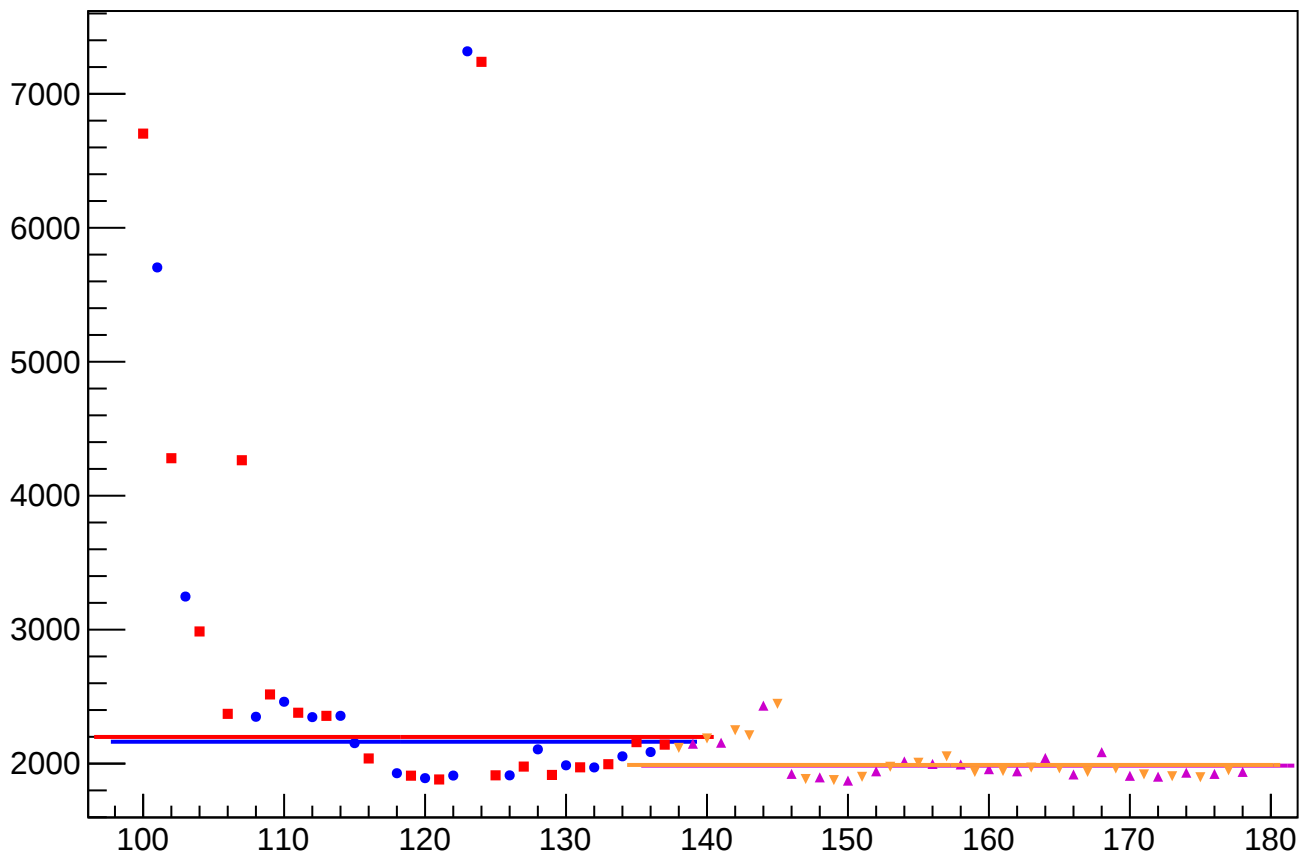
Left In: -2065.366 $\pm$ 505.538 χ^2 /NDF: 24.2/19

+ sign 1963.363 $\pm$ 434.059 χ^2 /NDF: 40.2/37

All: -6.931 $\pm$ 307.236 χ^2 /NDF: 126.3/76

- sign -1985.194 $\pm$ 434.936 χ^2 /NDF: 44.8/38

asym_at1_avg_rms vs Slug



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

Left Out: 1990.049+/-0.355 χ^2/NDF : 124651.6/20

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

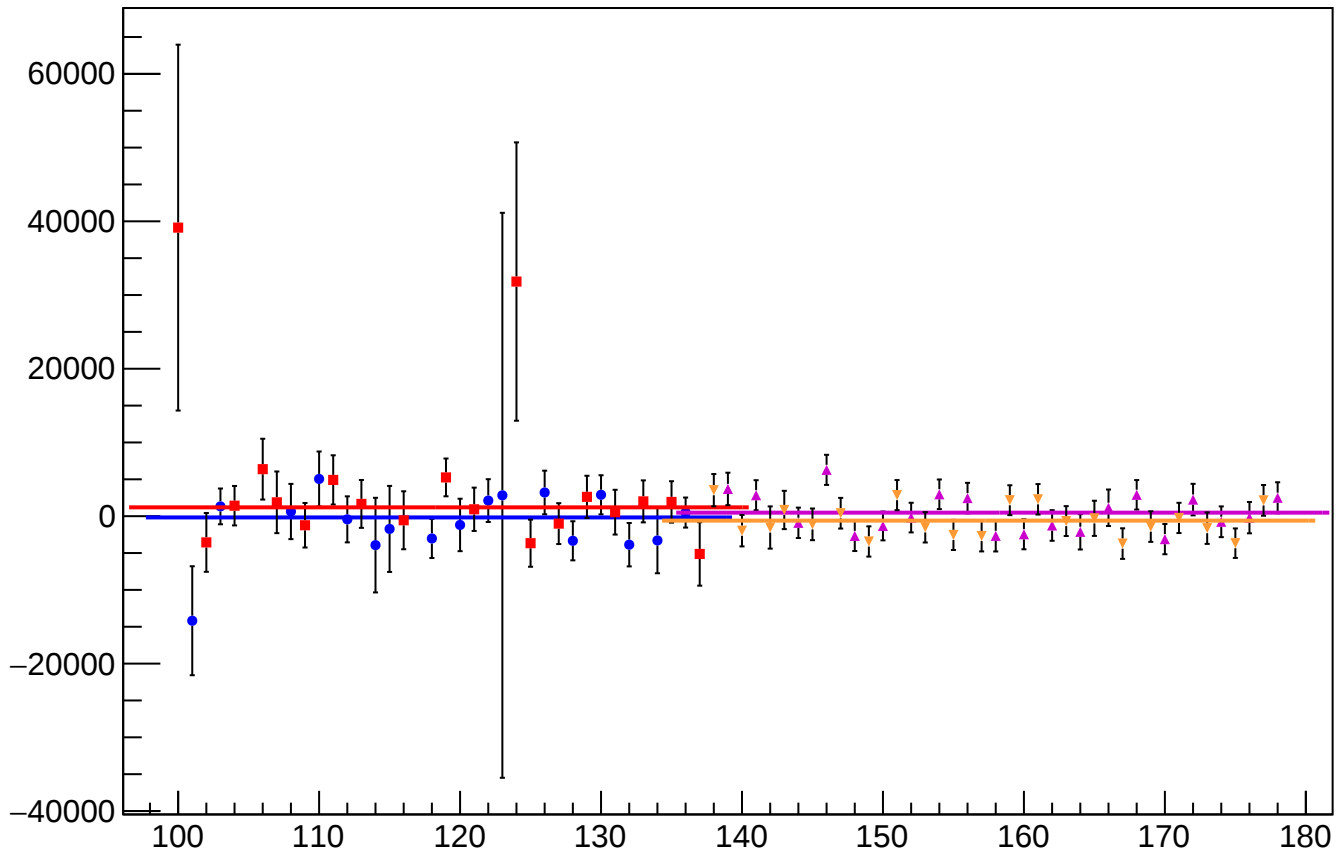
Left In: 1984.811+/-0.357 χ^2/NDF : 104916.6/19

+ sign 2033.858+/-0.307 χ^2/NDF : 894433.6/37

All: 2037.152+/-0.217 χ^2/NDF : 1896157.8/70

- sign 2040.460+/-0.308 χ^2/NDF : 1001493.3/38

reg_asym_at1_dd_mean vs Slug



Right In: -170.351 ± 782.384 χ^2/NDF : 14.5/16

Left Out: -604.057 ± 464.849 χ^2/NDF : 22.1/20

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

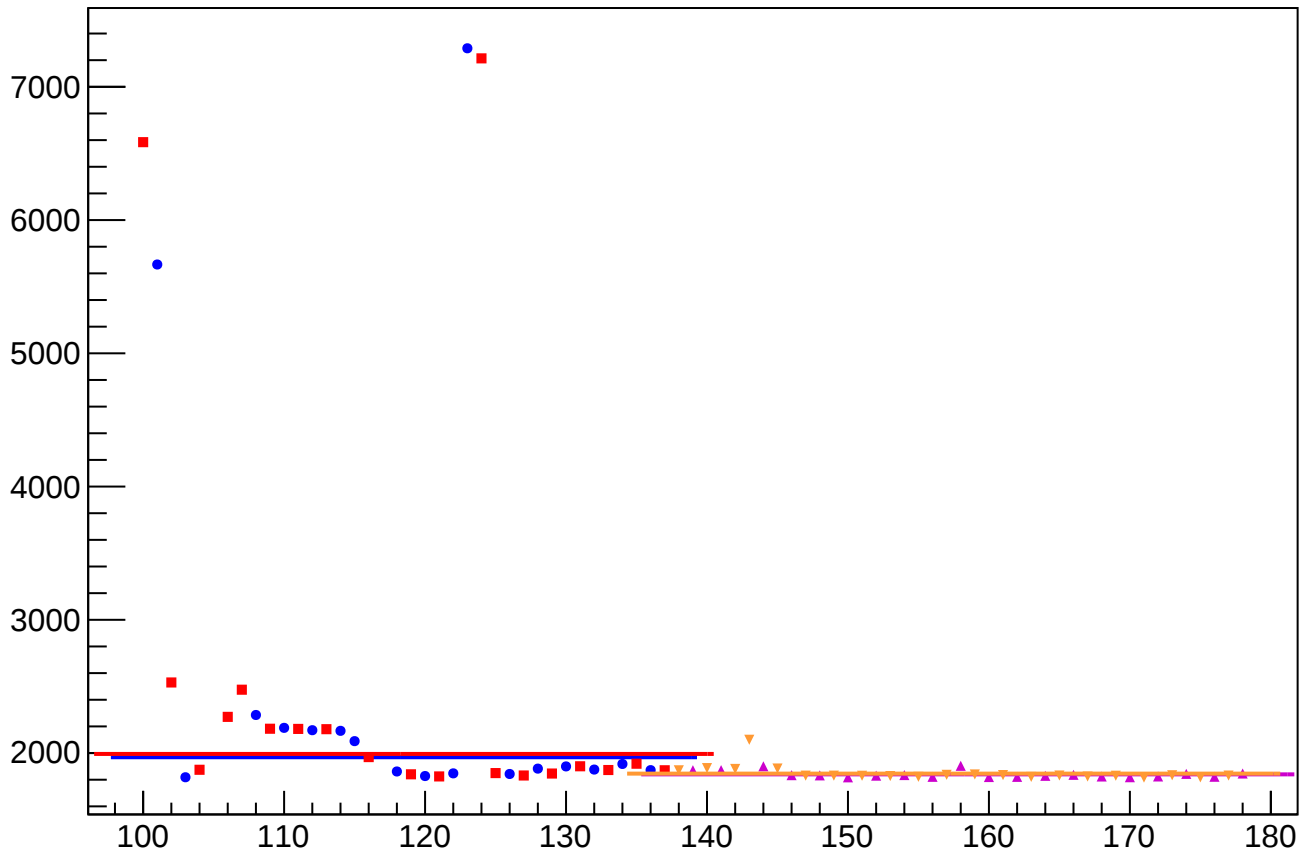
Left In: 476.992 ± 467.941 χ^2/NDF : 30.6/19

+ sign -490.901 ± 399.633 χ^2/NDF : 36.9/37

All: 92.093 ± 282.386 χ^2/NDF : 90.6/76

- sign 673.465 ± 399.077 χ^2/NDF : 49.4/38

reg_asym_at1_dd_rms vs Slug



Right In: 1968.632+/-0.553 χ^2/NDF : 602972.8/16

Left Out: 1845.668+/-0.329 χ^2/NDF : 23695.9/20

+ sign 1877.750+/-0.283 χ^2/NDF : 663182.0/37

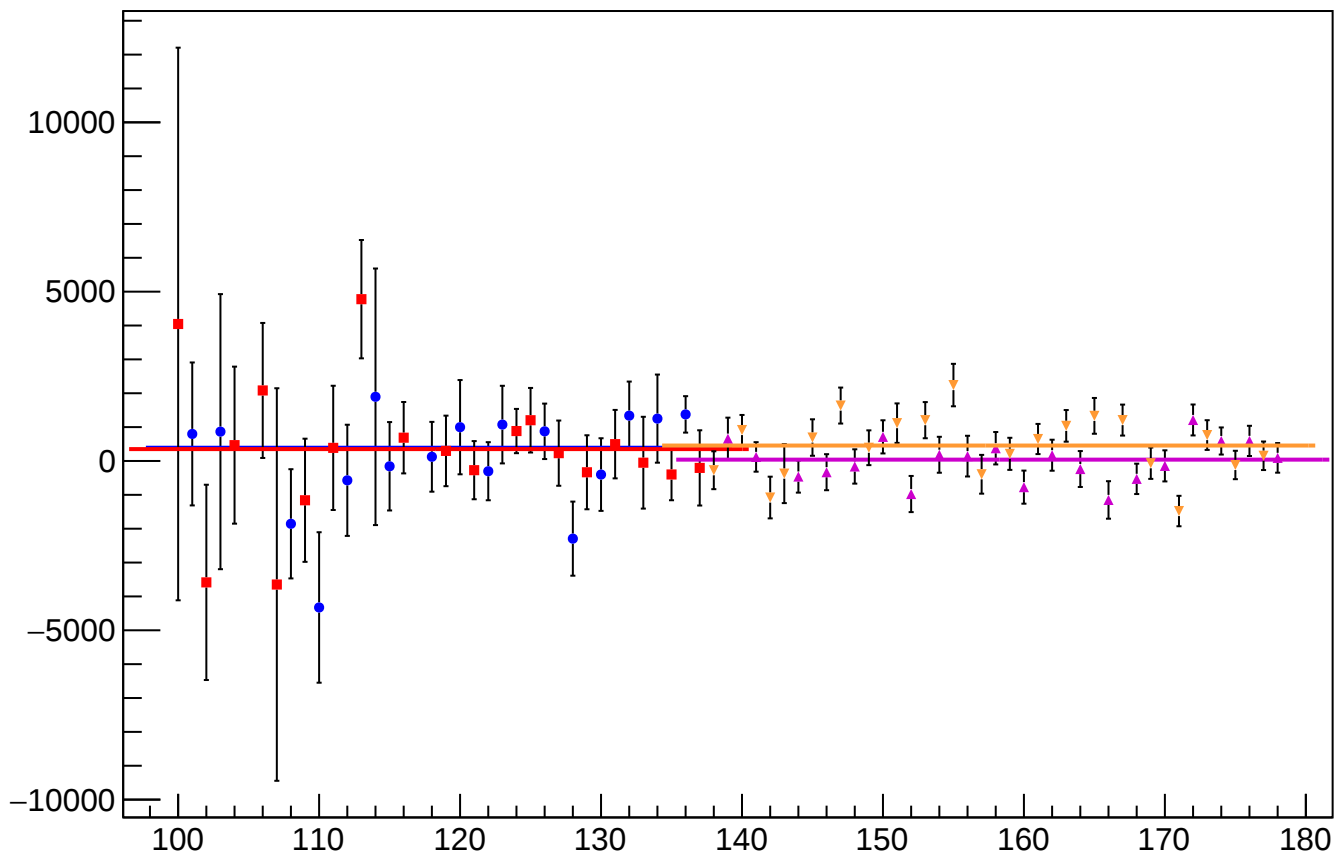
Right Out: 1993.422+/-0.540 χ^2/NDF : 356172.4/18

All: 1879.847+/-0.200 χ^2/NDF : 1083943.5/76

- sign 1881.939+/-0.282 χ^2/NDF : 420651.5/38

Left In: 1840.145+/-0.331 χ^2/NDF : 5968.0/19

asym_at1_dd_correction_mean vs Slug



Right In: 390.923 ± 270.128 χ^2/NDF : 20.0/16

Left Out: 455.892 ± 109.371 χ^2/NDF : 58.7/20

Right Out: 350.642 ± 266.097 χ^2/NDF : 14.2/18

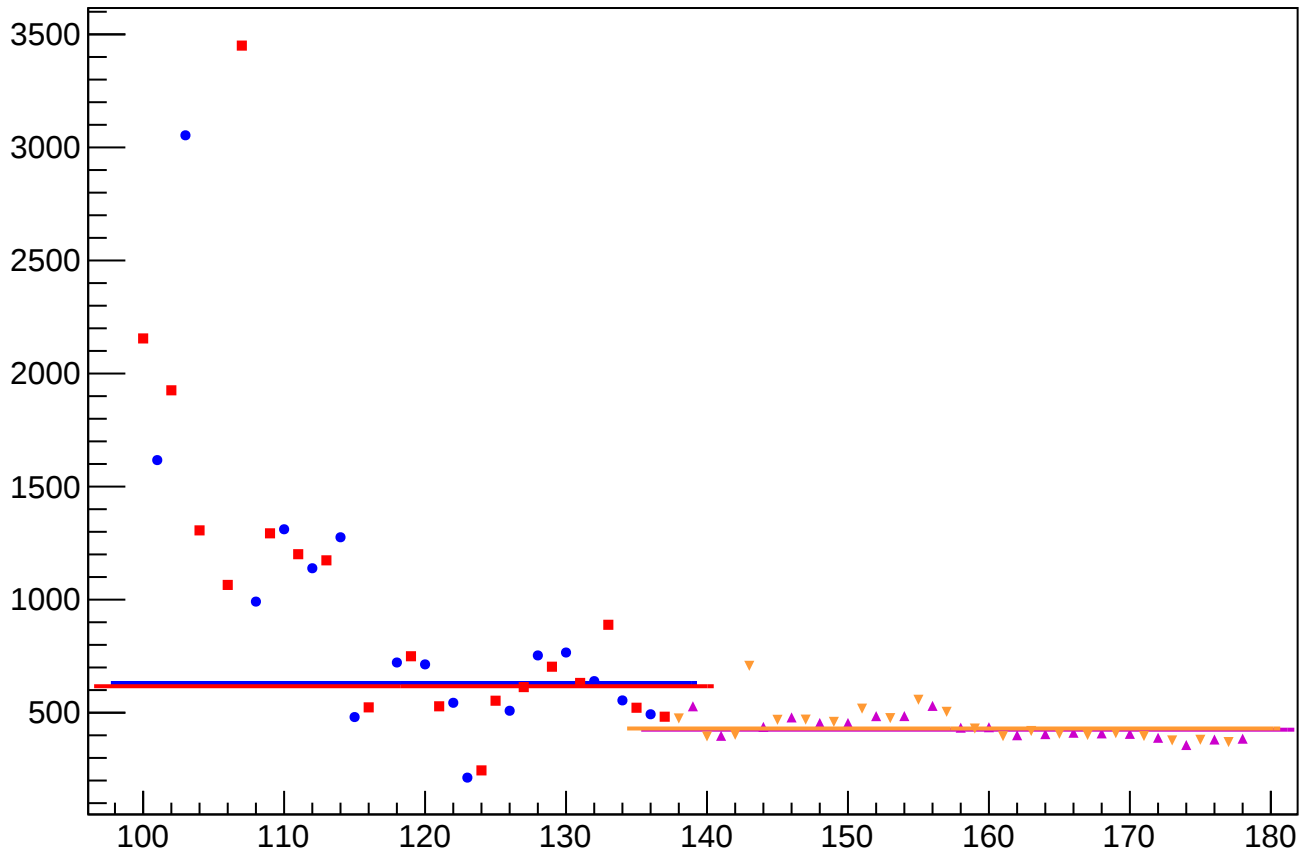
Left In: 39.361 ± 108.553 χ^2/NDF : 28.4/19

+ sign 446.742 ± 101.377 χ^2/NDF : 78.8/37

All: 263.701 ± 71.376 χ^2/NDF : 129.1/76

- sign 83.773 ± 100.511 χ^2/NDF : 43.8/38

asym_at1_dd_correction_rms vs Slug



Right In: 631.430 $\pm$ 0.191 χ^2/NDF : 2260692.7/16

Left Out: 430.157 $\pm$ 0.077 χ^2/NDF : 572695.5/20

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

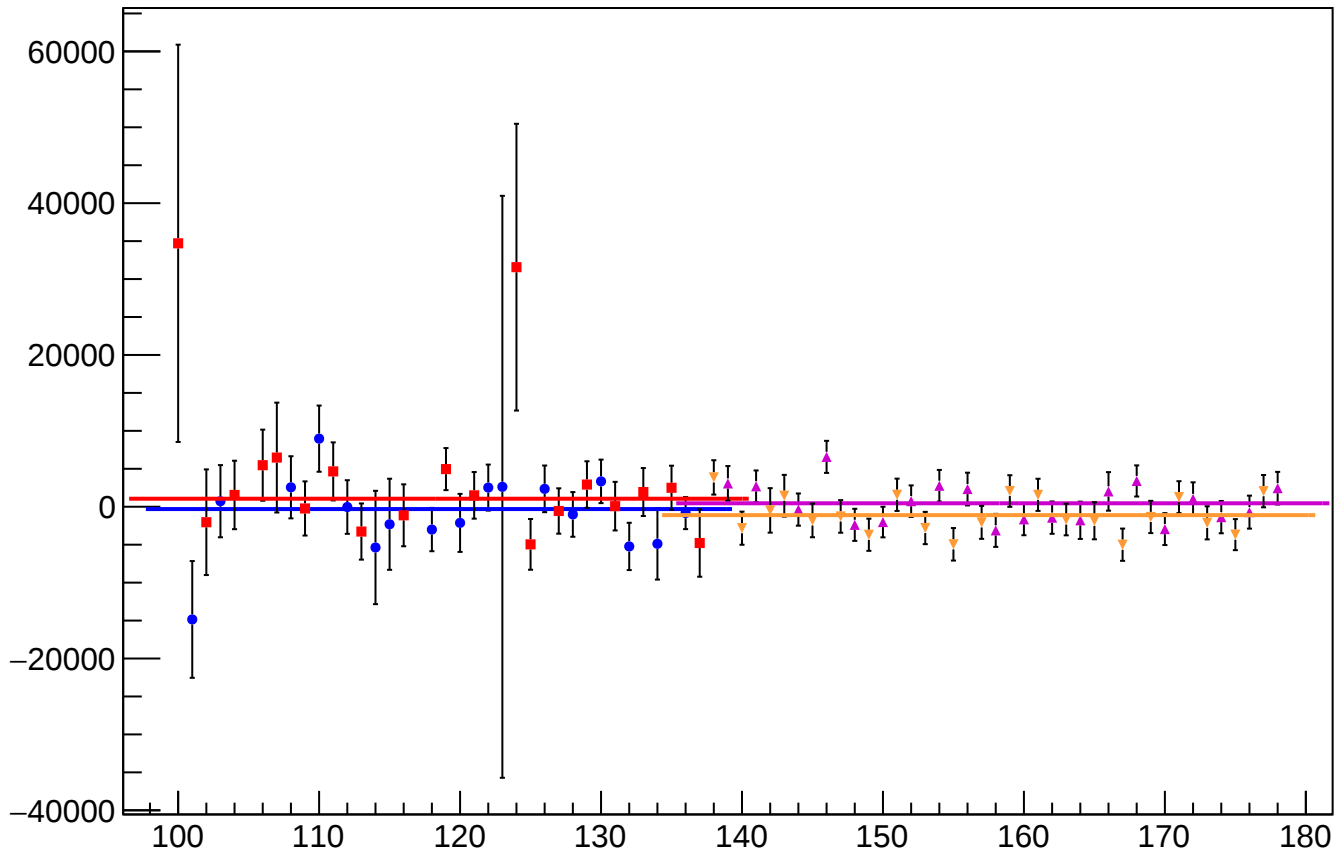
Left In: 424.855 $\pm$ 0.077 χ^2/NDF : 334030.8/19

+ sign 458.505 $\pm$ 0.072 χ^2/NDF : 3787351.0/37

All: 455.363 $\pm$ 0.050 χ^2/NDF : 7821706.4/76

- sign 452.275 $\pm$ 0.071 χ^2/NDF : 4030545.7/38

asym_at1_dd_mean vs Slug



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -1104.792 ± 478.946 χ^2/NDF : 26.3/20

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

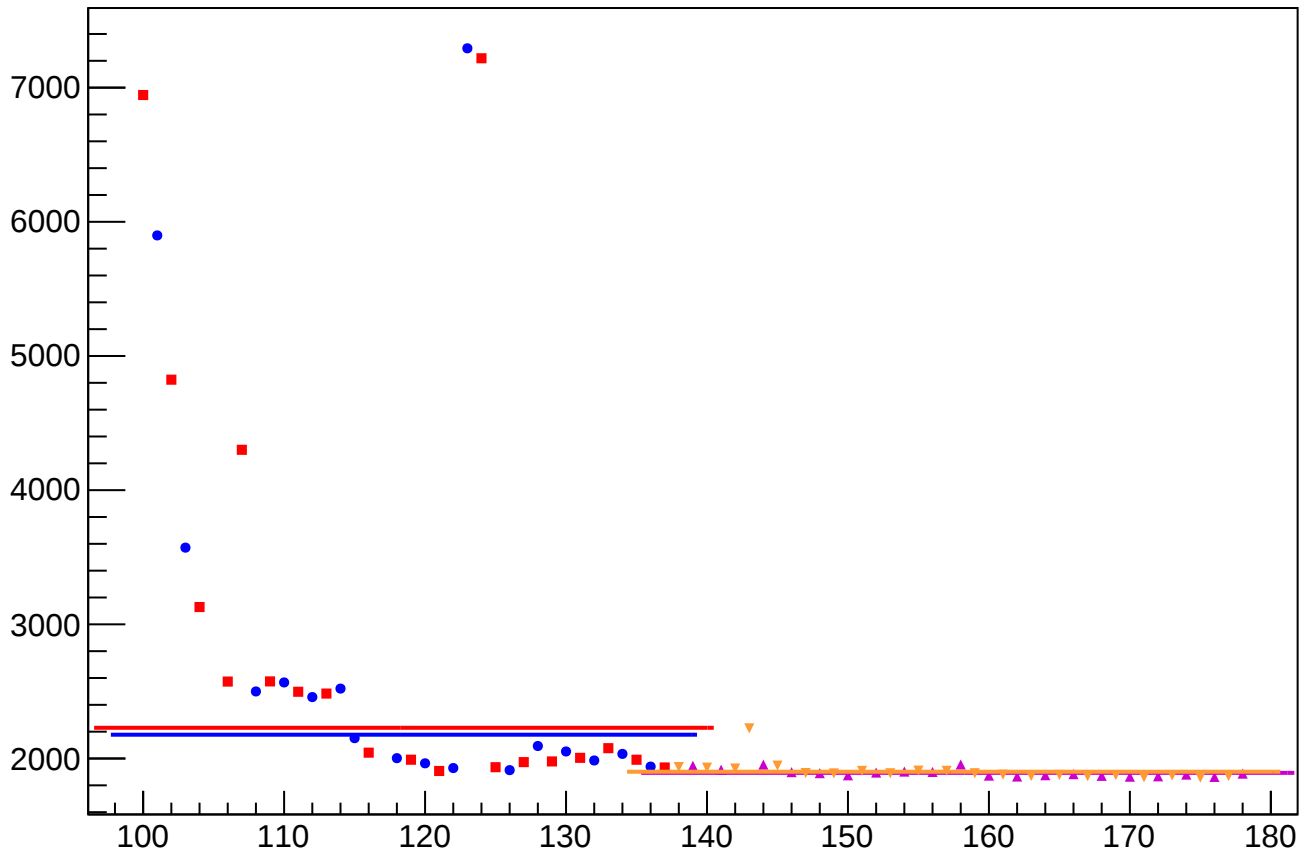
Left In: 455.978 ± 481.351 χ^2/NDF : 28.6/19

+ sign -919.573 ± 419.784 χ^2/NDF : 44.1/37

All: -163.066 ± 297.223 χ^2/NDF : 96.3/76

- sign 597.442 ± 420.892 χ^2/NDF : 45.6/38

asym_at1_dd_rms vs Slug



Right In: 2177.446+/-0.617 χ^2/NDF : 802836.7/16

Left Out: 1901.520+/-0.339 χ^2/NDF : 33912.1/20

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

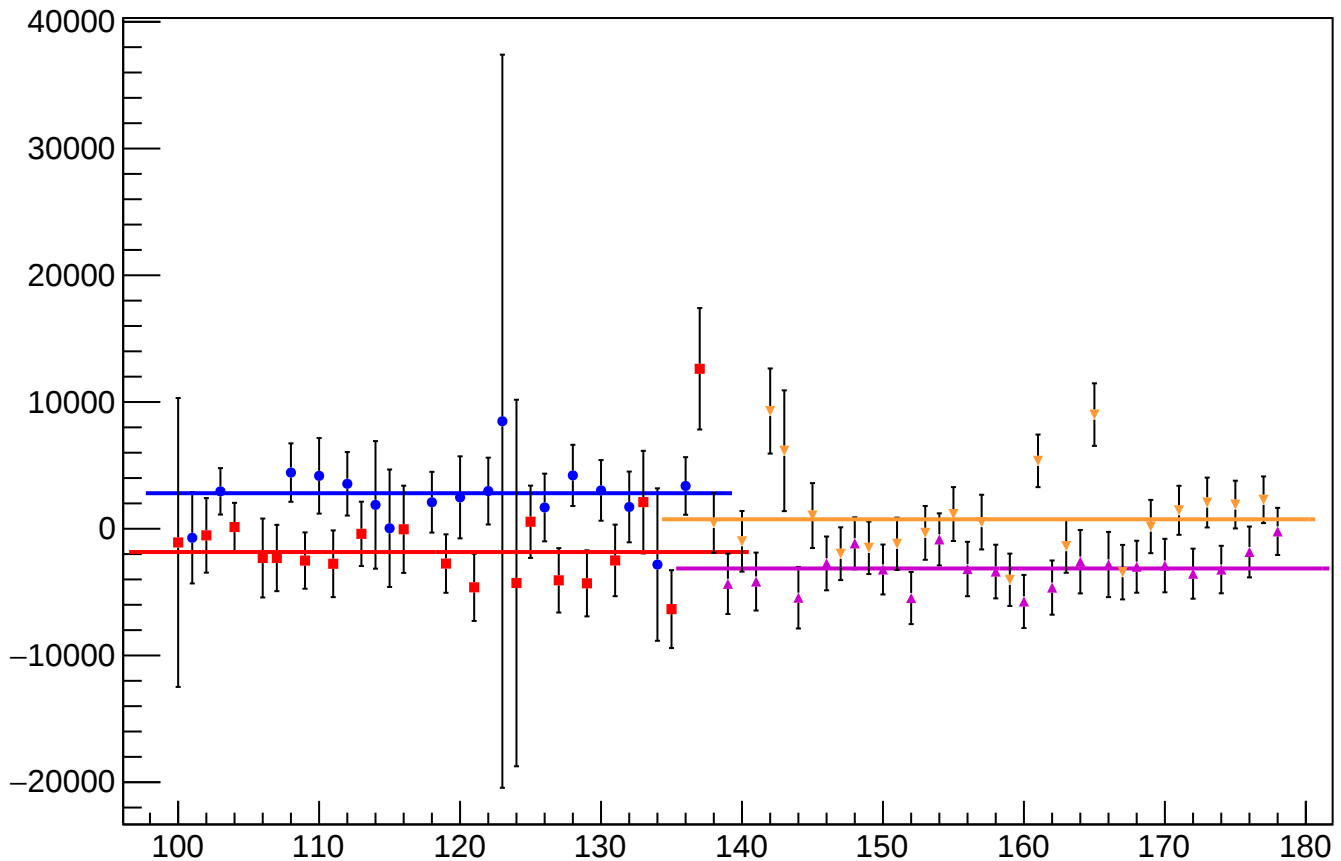
Left In: 1893.026+/-0.340 χ^2/NDF : 6880.8/19

+ sign 1965.477+/-0.297 χ^2/NDF : 990614.0/37

All: 1968.793+/-0.210 χ^2/NDF : 2122965.0/70

- sign 1972.127+/-0.298 χ^2/NDF : 1132100.7/38

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: 746.203 $\pm$ 476.846 χ^2 /NDF: 40.4/20

Right Out: -1837.168 $\pm$ 655.307 χ^2 /NDF: 18.0/18

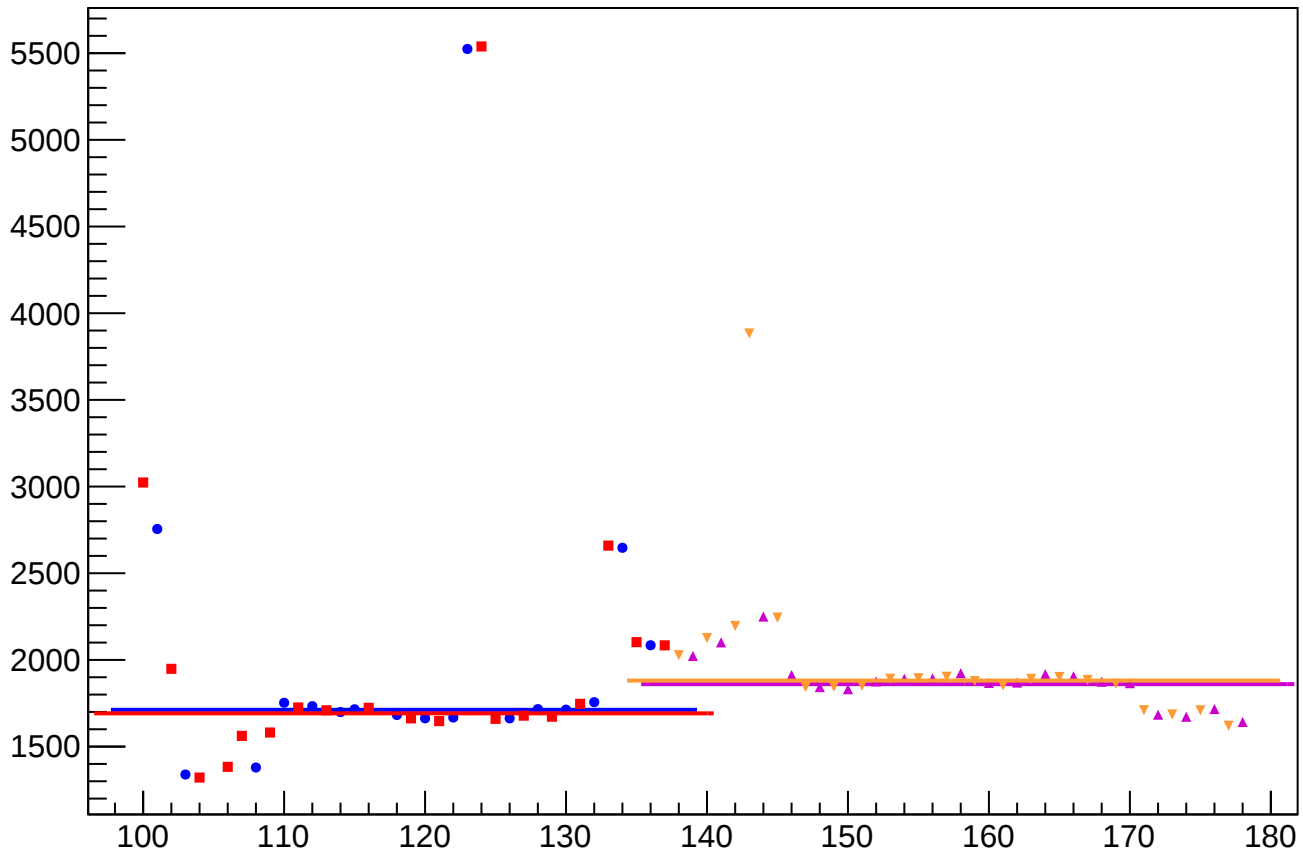
Left In: -3134.752 $\pm$ 473.263 χ^2 /NDF: 9.9/19

+ sign 1426.459 $\pm$ 390.144 χ^2 /NDF: 50.4/37

All: -666.192 $\pm$ 273.555 χ^2 /NDF: 137.6/76

- sign -2689.958 $\pm$ 383.669 χ^2 /NDF: 30.6/38

reg_asym_at2_avg_rms vs Slug



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 1880.921+/-0.337 χ^2/NDF : 534355.3/20

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

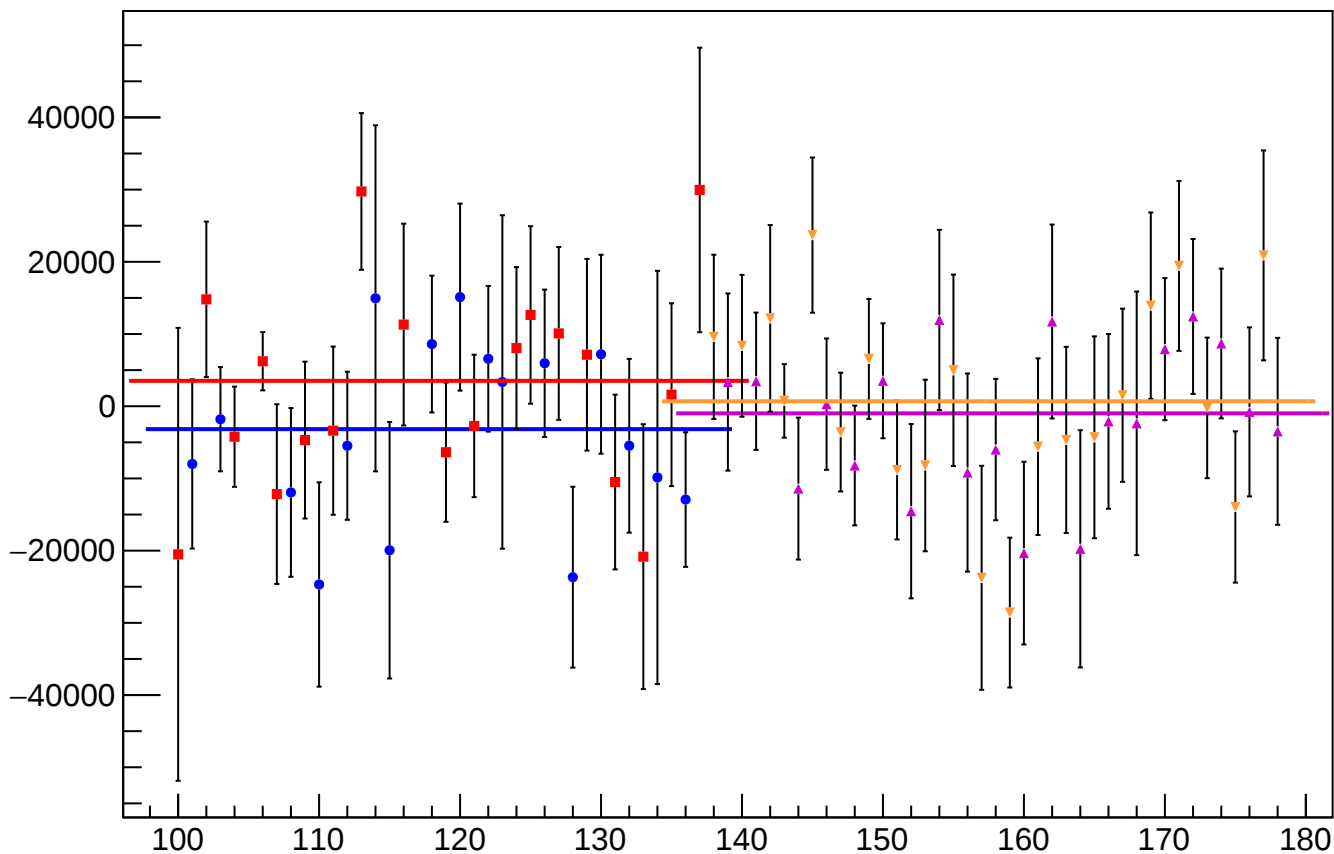
Left In: 1860.281+/-0.335 χ^2/NDF : 163335.9/19

+ sign 1825.128+/-0.276 χ^2/NDF : 1049654.1/37

All: 1813.630+/-0.193 χ^2/NDF : 1758271.7/76

- sign 1802.509+/-0.271 χ^2/NDF : 705200.1/38

asym_at2_avg_correction_mean vs Slug



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

Left Out: 682.211 ± 2235.891 χ^2/NDF : 27.5/20

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

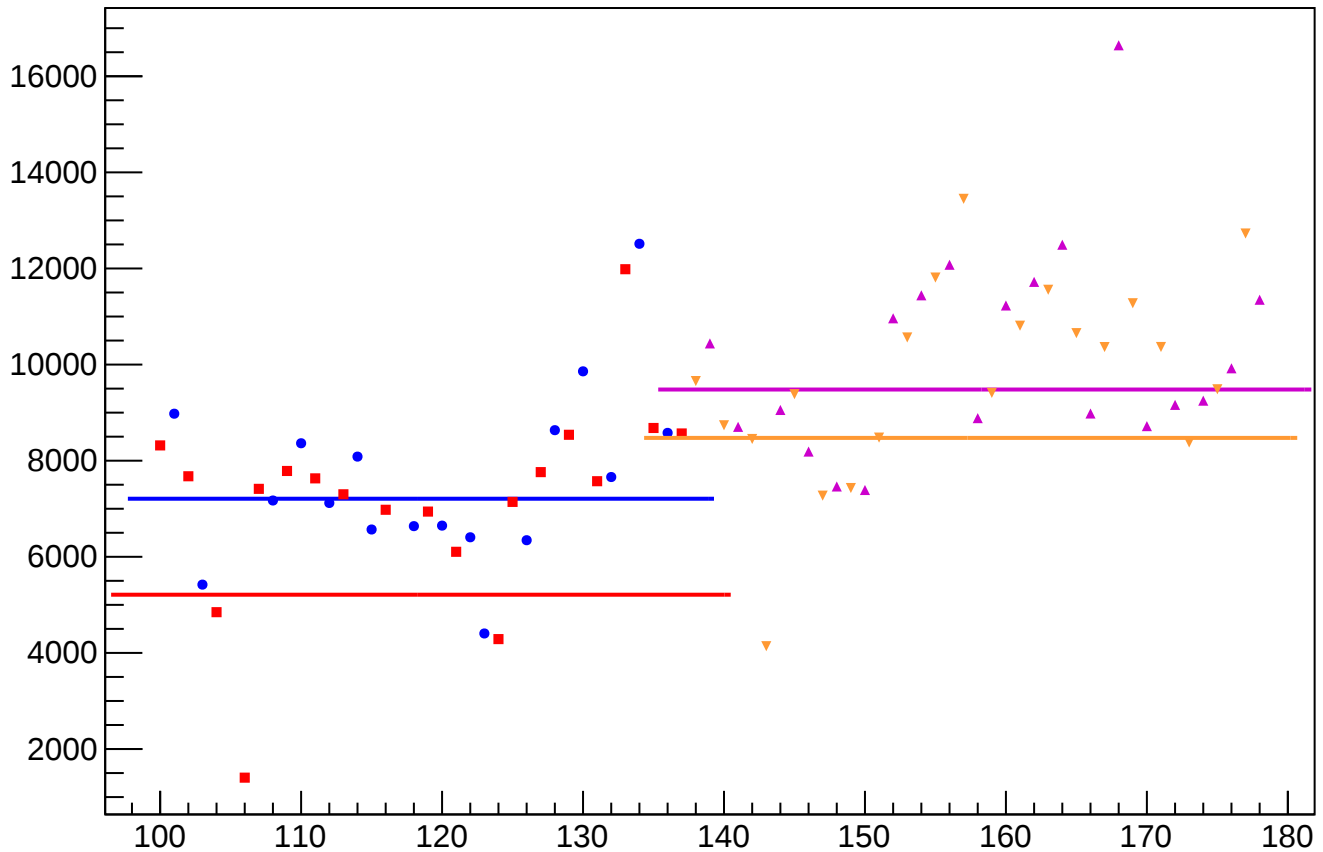
Left In: -987.571 ± 2451.264 χ^2/NDF : 13.4/19

+ sign -785.406 ± 1759.605 χ^2/NDF : 43.0/37

All: 390.607 ± 1209.073 χ^2/NDF : 78.6/76

- sign 1442.501 ± 1664.160 χ^2/NDF : 34.7/38

asym_at2_avg_correction_rms vs Slug



Right In: 7208.567 $\pm$ 2.017 χ^2 /NDF: 469302.0/16

Left Out: 8474.360 $\pm$ 1.581 χ^2 /NDF: 2593446.7/20

Right Out: 5211.187 $\pm$ 1.603 χ^2 /NDF: 3196870.2/18

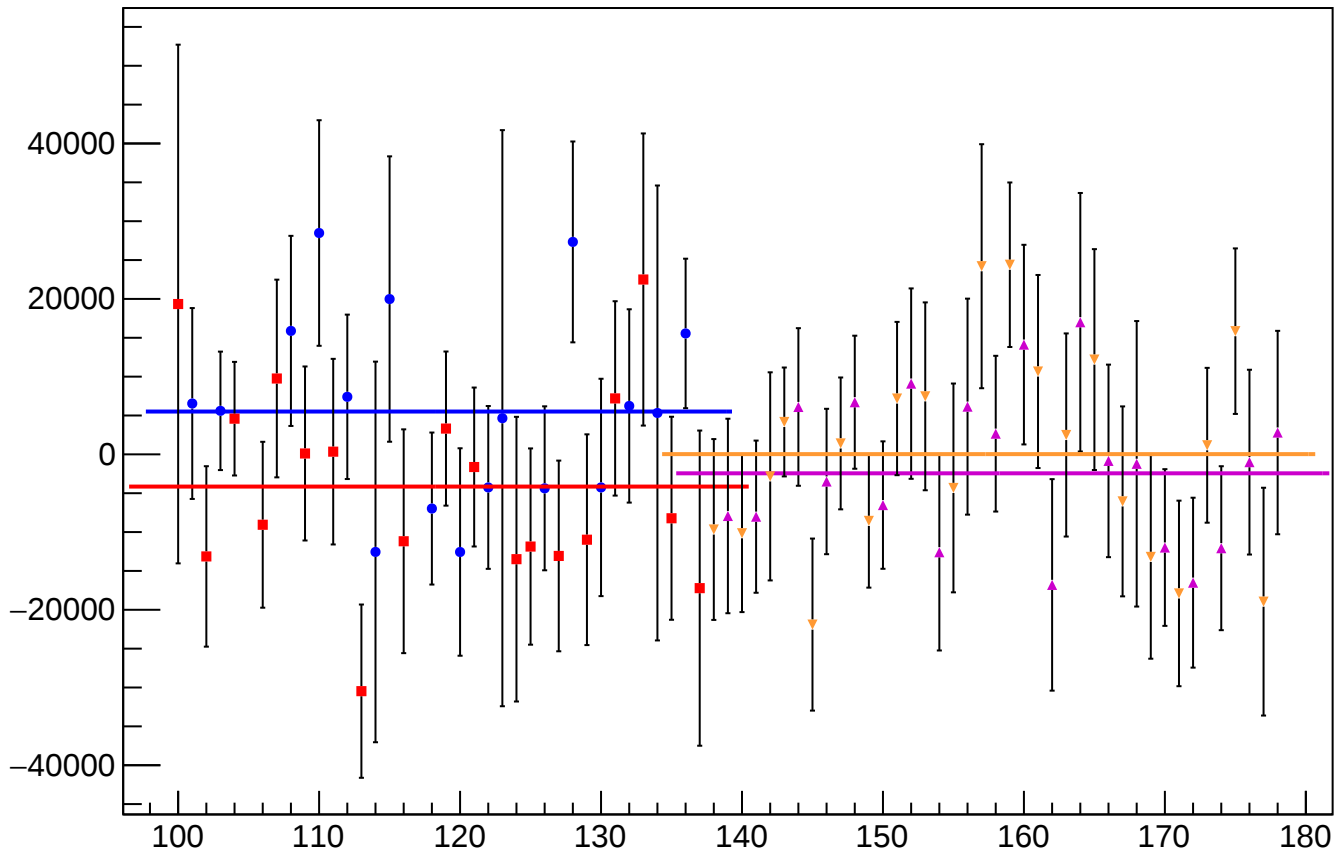
Left In: 9480.932 $\pm$ 1.733 χ^2 /NDF: 1016559.0/19

+ sign 7992.523 $\pm$ 1.244 χ^2 /NDF: 3306749.1/37

All: 7563.168 $\pm$ 0.855 χ^2 /NDF: 11017067.8/7

- sign 7179.128 $\pm$ 1.177 χ^2 /NDF: 7484729.5/38

asym_at2_avg_mean vs Slug



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: 29.806 $\pm$ 2392.534 χ^2 /NDF: 24.7/20

Right Out: -4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

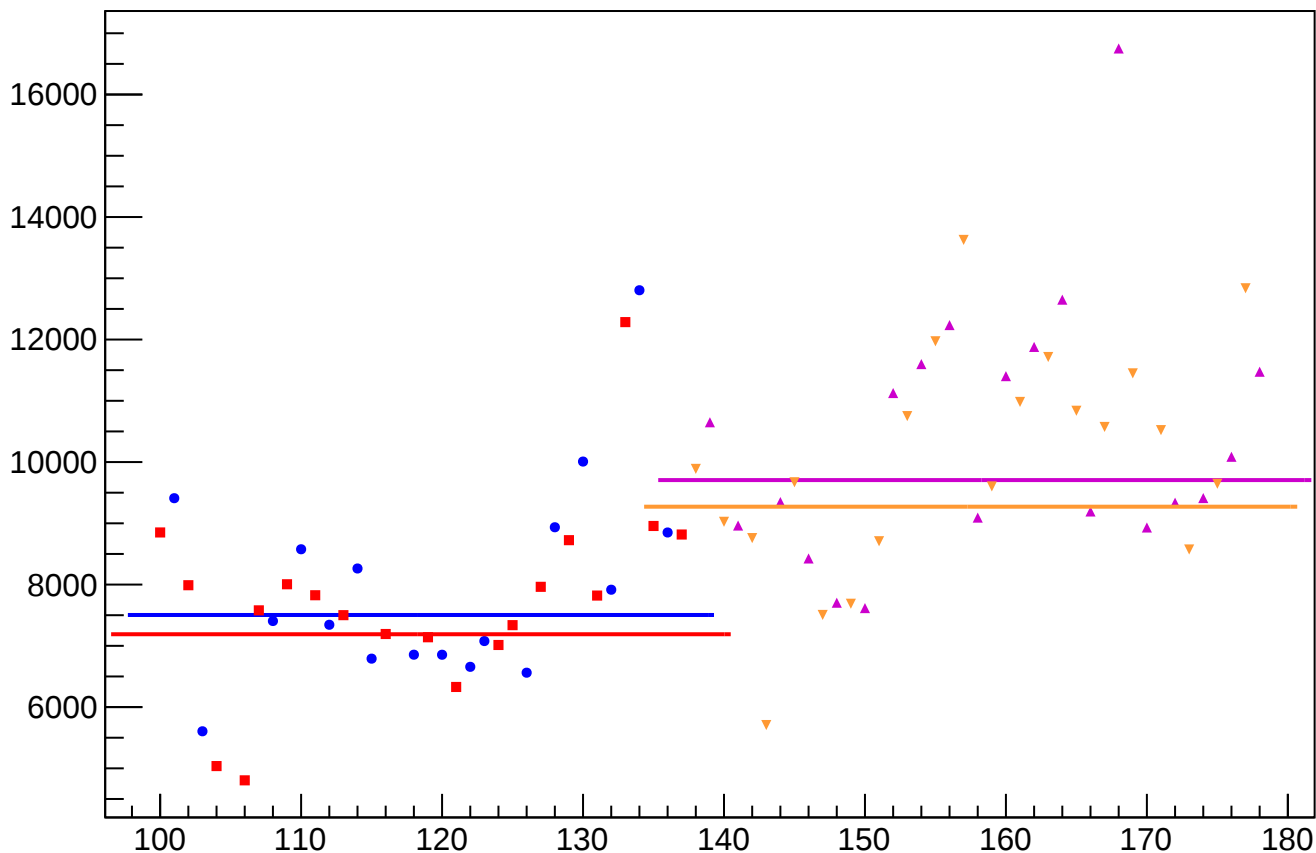
Left In: -2439.556 $\pm$ 2506.093 χ^2 /NDF: 12.5/19

+ sign 2185.384 $\pm$ 1863.440 χ^2 /NDF: 40.8/37

All: -506.602 $\pm$ 1318.011 χ^2 /NDF: 73.1/76

- sign -3201.529 $\pm$ 1864.457 χ^2 /NDF: 28.2/38

asym_at2_avg_rms vs Slug



Right In: 7503.667+/-2.101 χ^2/NDF : 427313.5/16

Left Out: 9271.416+/-1.692 χ^2/NDF : 1320649.4/20

Right Out: 7189.231+/-1.973 χ^2/NDF : 557703.4/18

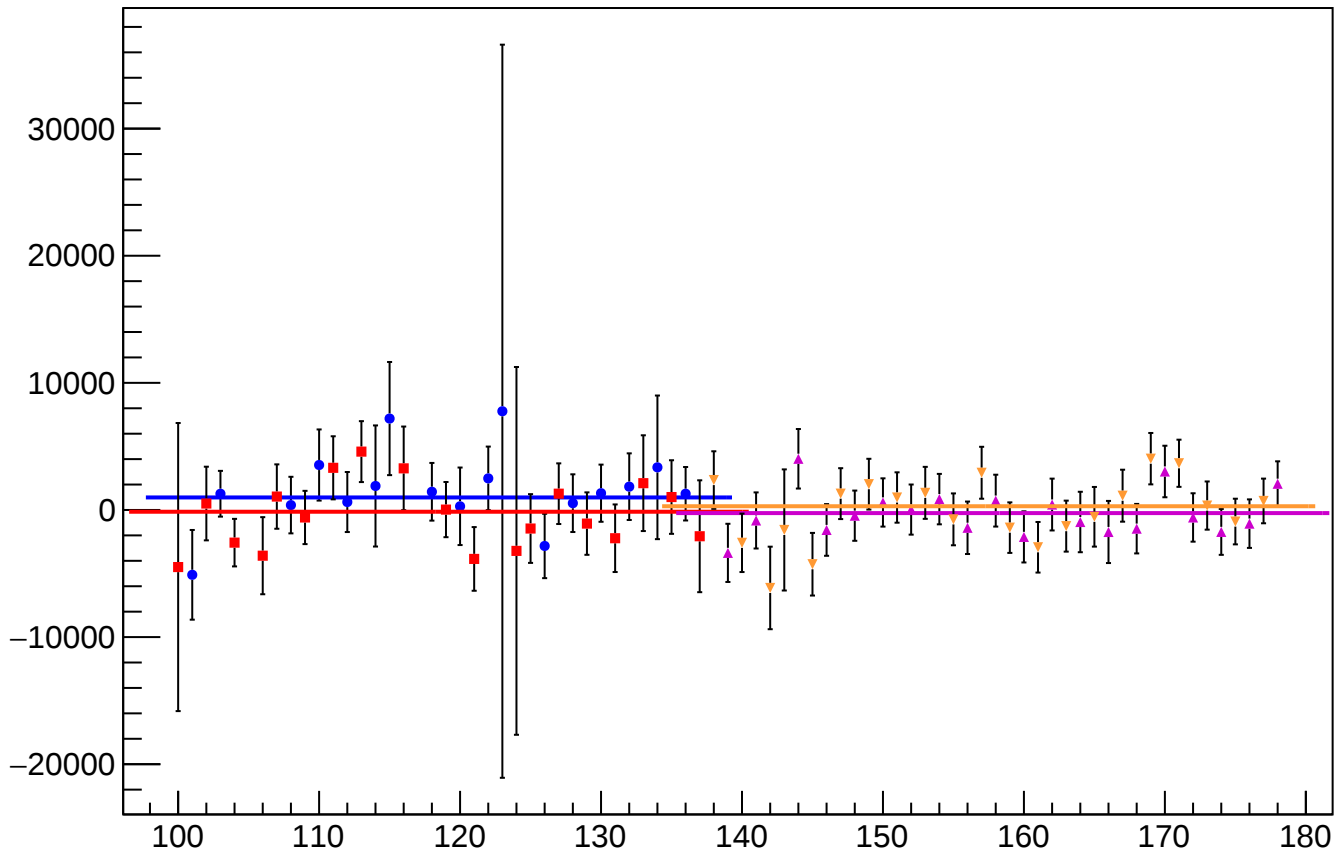
Left In: 9705.863+/-1.772 χ^2/NDF : 948204.2/19

+ sign 8575.992+/-1.318 χ^2/NDF : 2177483.7/37

All: 8578.996+/-0.932 χ^2/NDF : 4584074.5/70

- sign 8582.004+/-1.318 χ^2/NDF : 2406580.4/38

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 ± 644.630 χ^2/NDF : 9.1/16

Left Out: 293.562 ± 457.139 χ^2/NDF : 24.7/20

Right Out: -138.627 ± 623.555 χ^2/NDF : 14.7/18

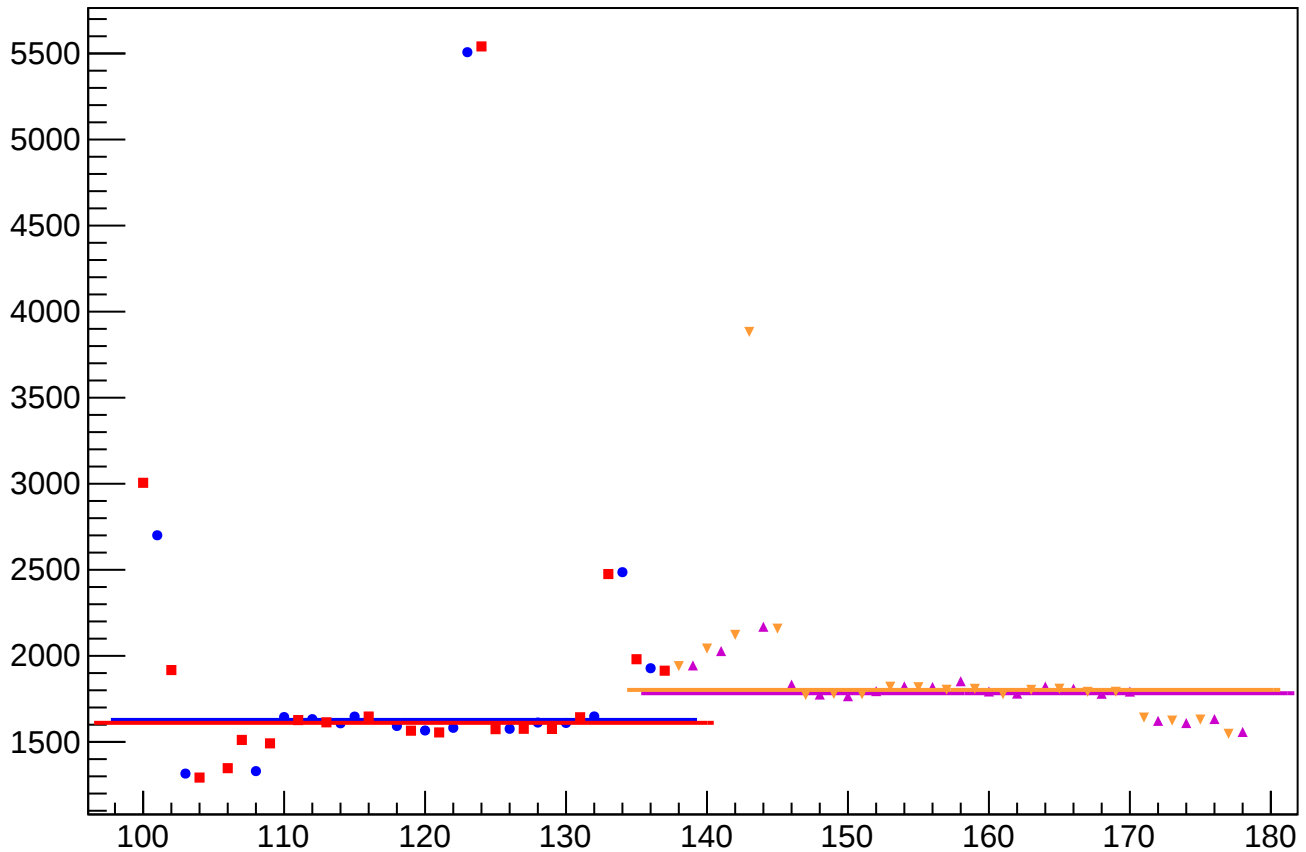
Left In: -245.444 ± 453.653 χ^2/NDF : 13.8/19

+ sign 525.080 ± 372.893 χ^2/NDF : 34.5/37

All: 152.302 ± 261.509 χ^2/NDF : 65.0/76

- sign -208.474 ± 366.841 χ^2/NDF : 28.5/38

reg_asym_at2_dd_rms vs Slug



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1802.201 $\pm$ 0.323 χ^2 /NDF: 566806.6/20

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

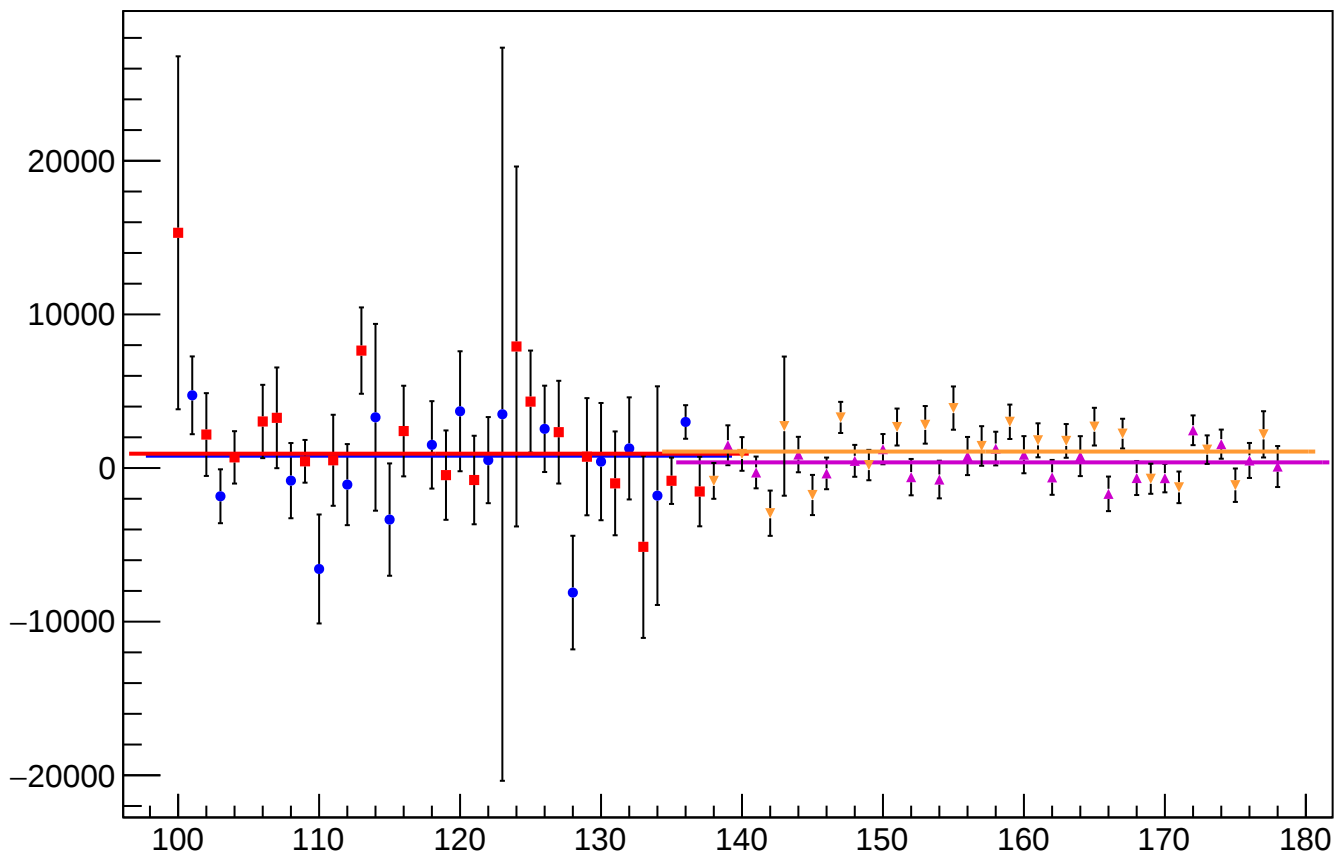
Left In: 1782.898 $\pm$ 0.321 χ^2 /NDF: 172658.9/19

+ sign 1743.856 $\pm$ 0.264 χ^2 /NDF: 1071277.3/37

All: 1733.453 $\pm$ 0.185 χ^2 /NDF: 1780407.3/76

- sign 1723.385 $\pm$ 0.259 χ^2 /NDF: 706067.2/38

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 1072.347 $\pm$ 252.188 χ^2 /NDF:48.5/20

Right Out: 933.645 $\pm$ 589.727 χ^2 /NDF: 15.3/18

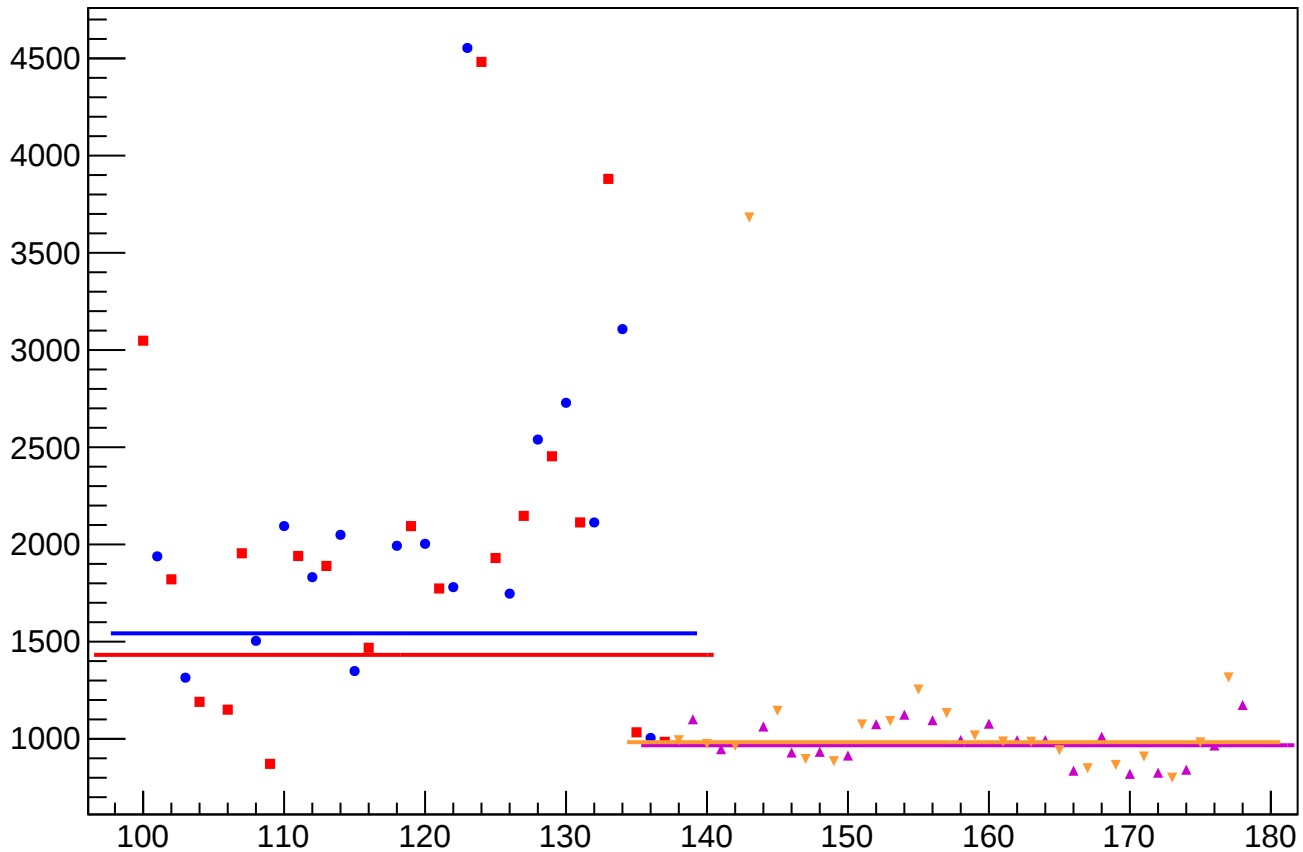
Left In: 368.367 $\pm$ 247.112 χ^2 /NDF:17.5/19

+ sign 1035.325 $\pm$ 234.212 χ^2 /NDF: 71.0/37

All: 736.121 $\pm$ 163.340 χ^2 /NDF: 107.8/76

- sign 452.796 $\pm$ 227.912 χ^2 /NDF: 33.6/38

asym_at2_dd_correction_rms vs Slug



Right In: 1542.705 $\pm$ 0.447 χ^2 /NDF: 1287946.3/16

Left Out: 982.931 $\pm$ 0.178 χ^2 /NDF: 1159560.4/20

Right Out: 1432.013 $\pm$ 0.417 χ^2 /NDF: 1823809.4/18

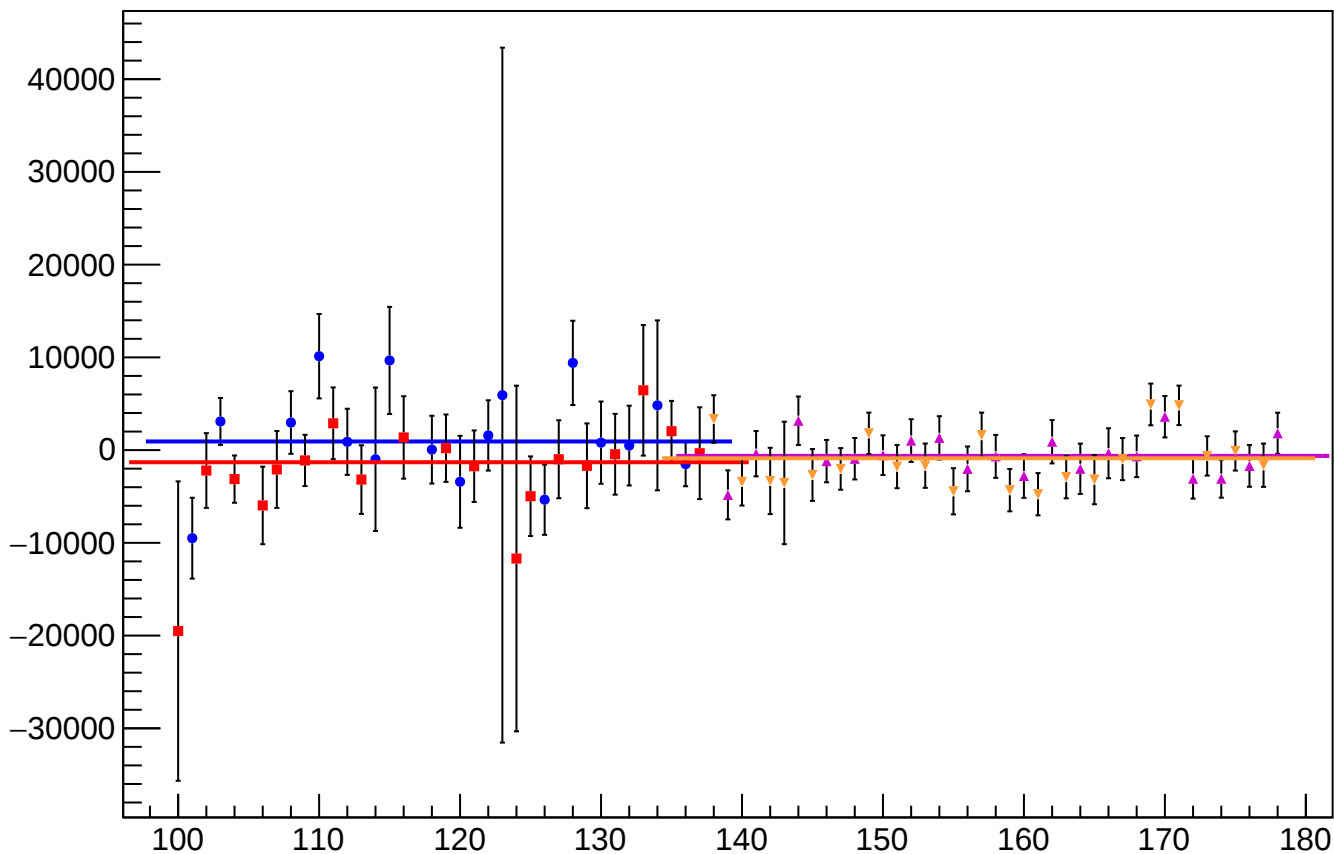
Left In: 967.043 $\pm$ 0.175 χ^2 /NDF: 344050.6/19

+ sign 1059.887 $\pm$ 0.166 χ^2 /NDF: 3802189.8/37

All: 1047.870 $\pm$ 0.115 χ^2 /NDF: 7037908.8/70

- sign 1036.491 $\pm$ 0.161 χ^2 /NDF: 3225468.1/38

asym_at2_dd_mean vs Slug



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -881.207 ± 528.222 χ^2/NDF : 30.6/20

Right Out: -1307.802 ± 925.415 χ^2/NDF : 8.5/18

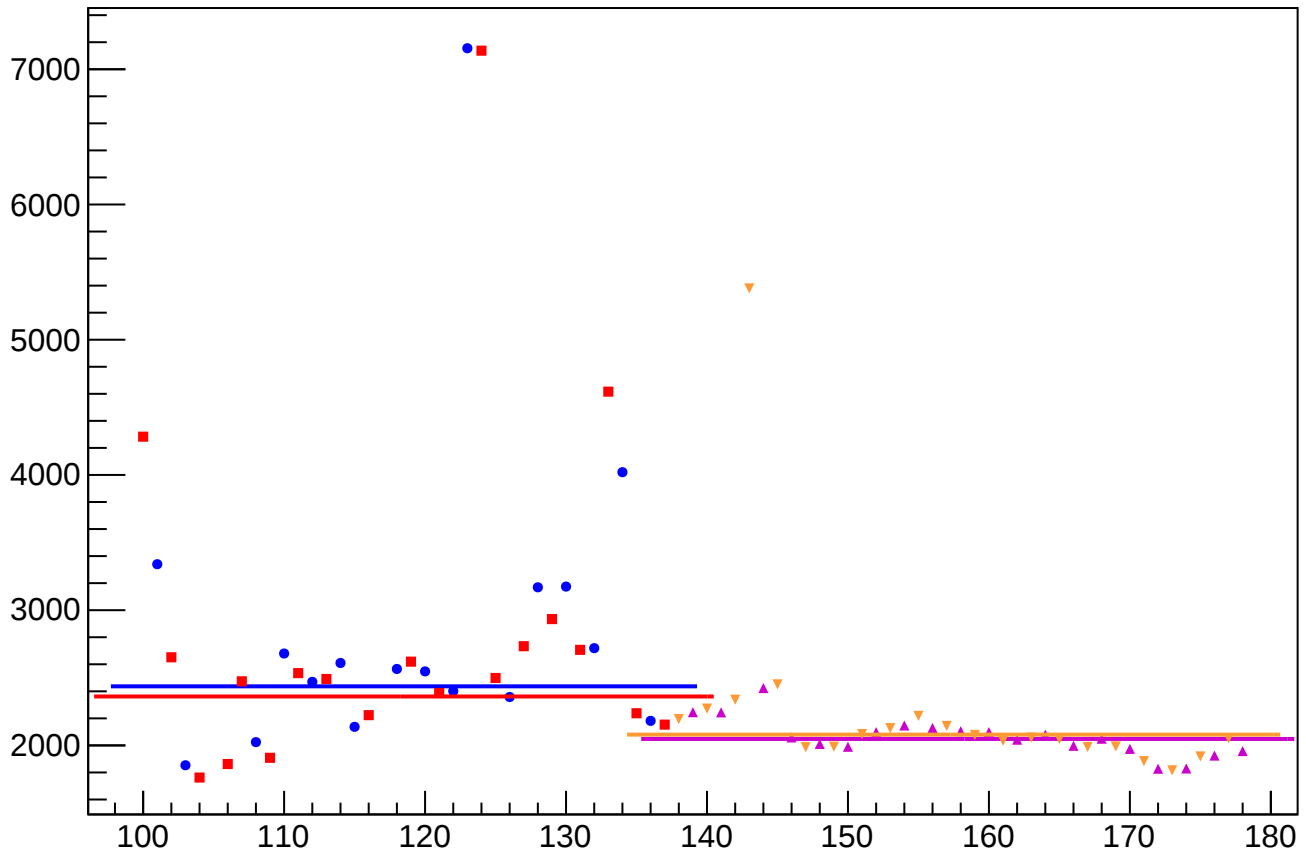
Left In: -625.204 ± 520.694 χ^2/NDF : 15.6/19

+ sign -464.944 ± 463.672 χ^2/NDF : 54.9/37

All: -630.635 ± 324.317 χ^2/NDF : 79.7/76

- sign -789.341 ± 453.793 χ^2/NDF : 24.5/38

asym_at2_dd_rms vs Slug



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2079.924+/-0.374 χ^2/NDF : 643003.9/20

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

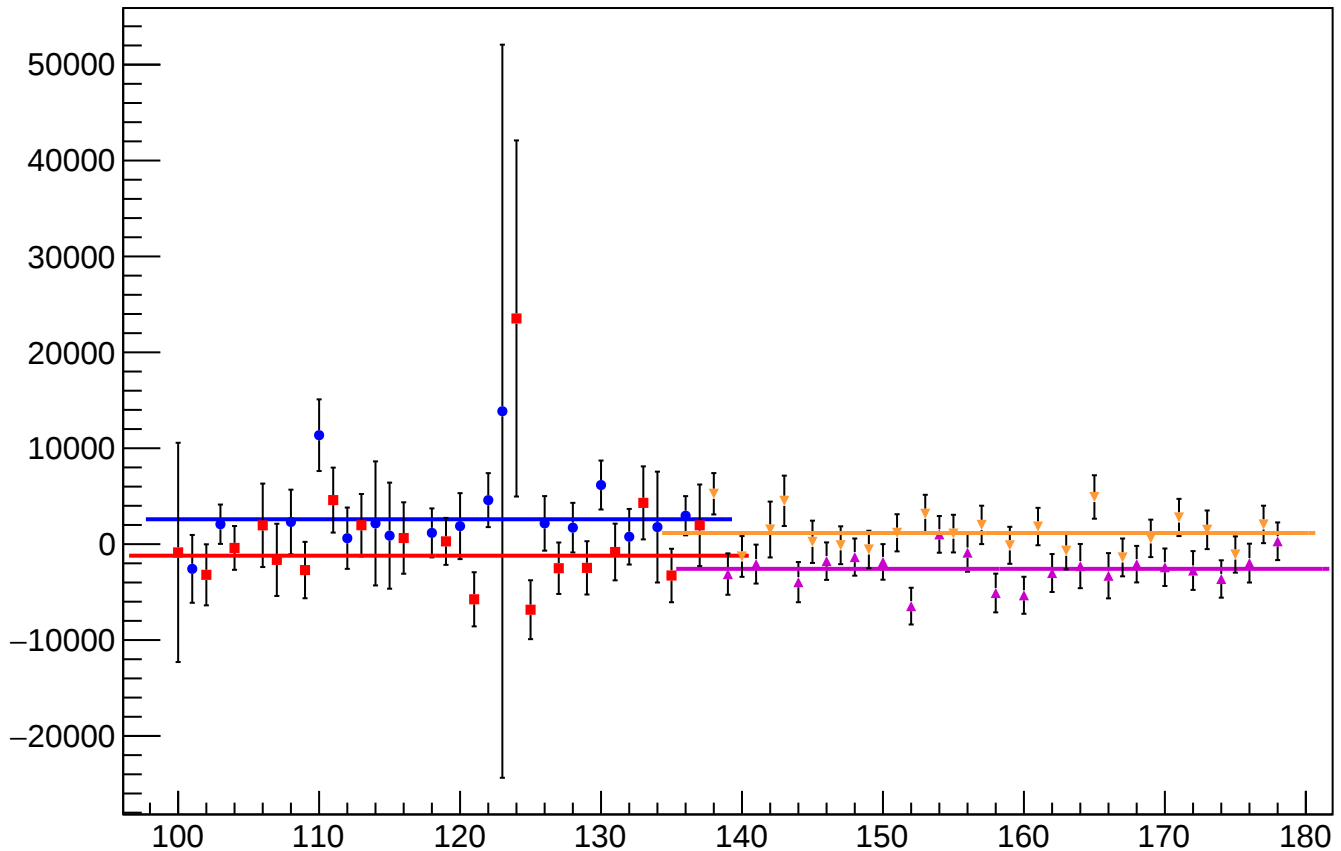
Left In: 2047.759+/-0.368 χ^2/NDF : 132676.7/19

+ sign 2161.829+/-0.328 χ^2/NDF : 1321586.3/37

All: 2142.146+/-0.229 χ^2/NDF : 2292193.8/76

- sign 2123.293+/-0.321 χ^2/NDF : 963551.3/38

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1163.181 $\pm$ 446.287 χ^2 /NDF:17.5/20

Right Out: -1202.548 $\pm$ 739.618 χ^2 /NDF: 17.2/18

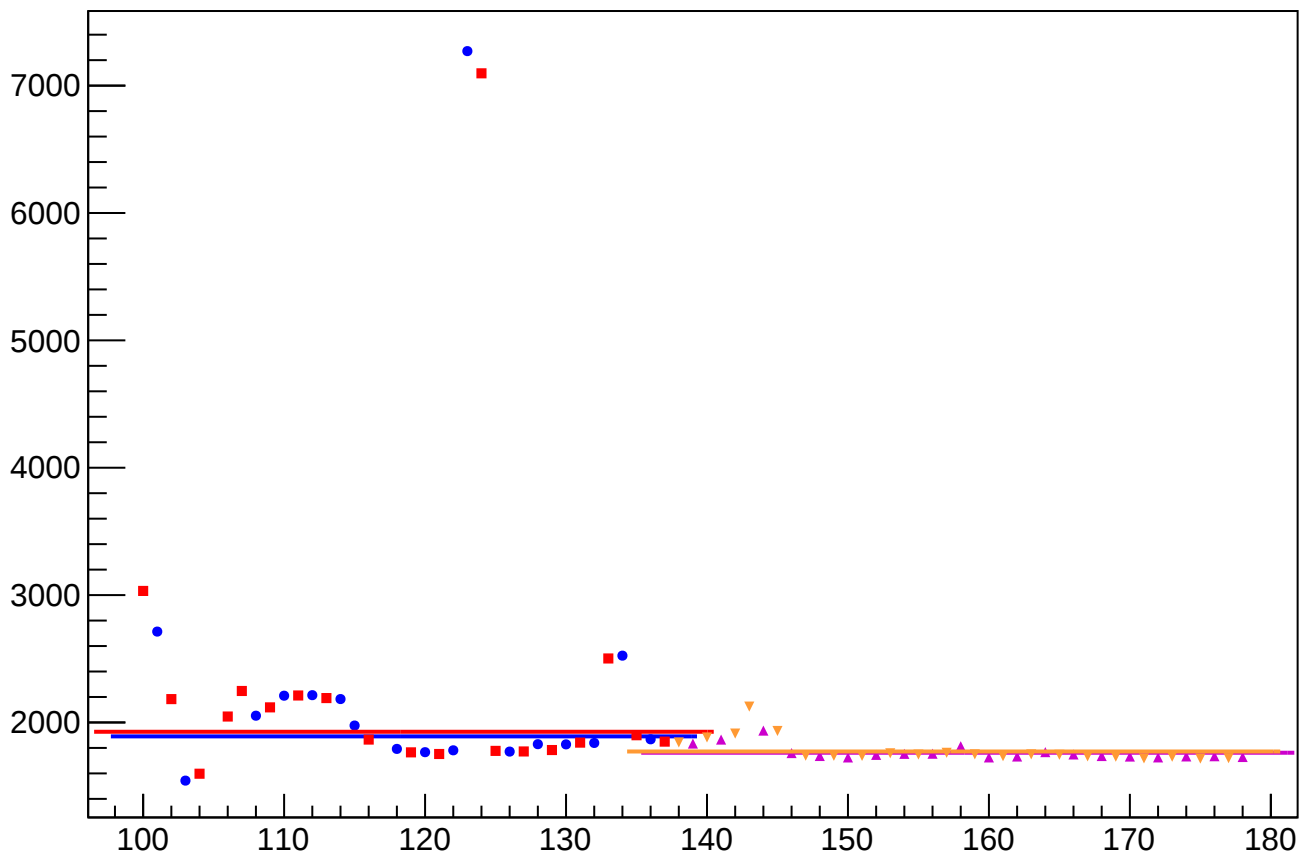
Left In: -2576.447 $\pm$ 447.766 χ^2 /NDF:16.0/19

+ sign 1542.717 $\pm$ 382.577 χ^2 /NDF: 31.9/37

All: -330.351 $\pm$ 270.686 χ^2 /NDF: 115.6/76

- sign -2207.954 $\pm$ 383.040 χ^2 /NDF: 35.8/38

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1772.032+/-0.316 χ^2/NDF : 69950.5/20

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

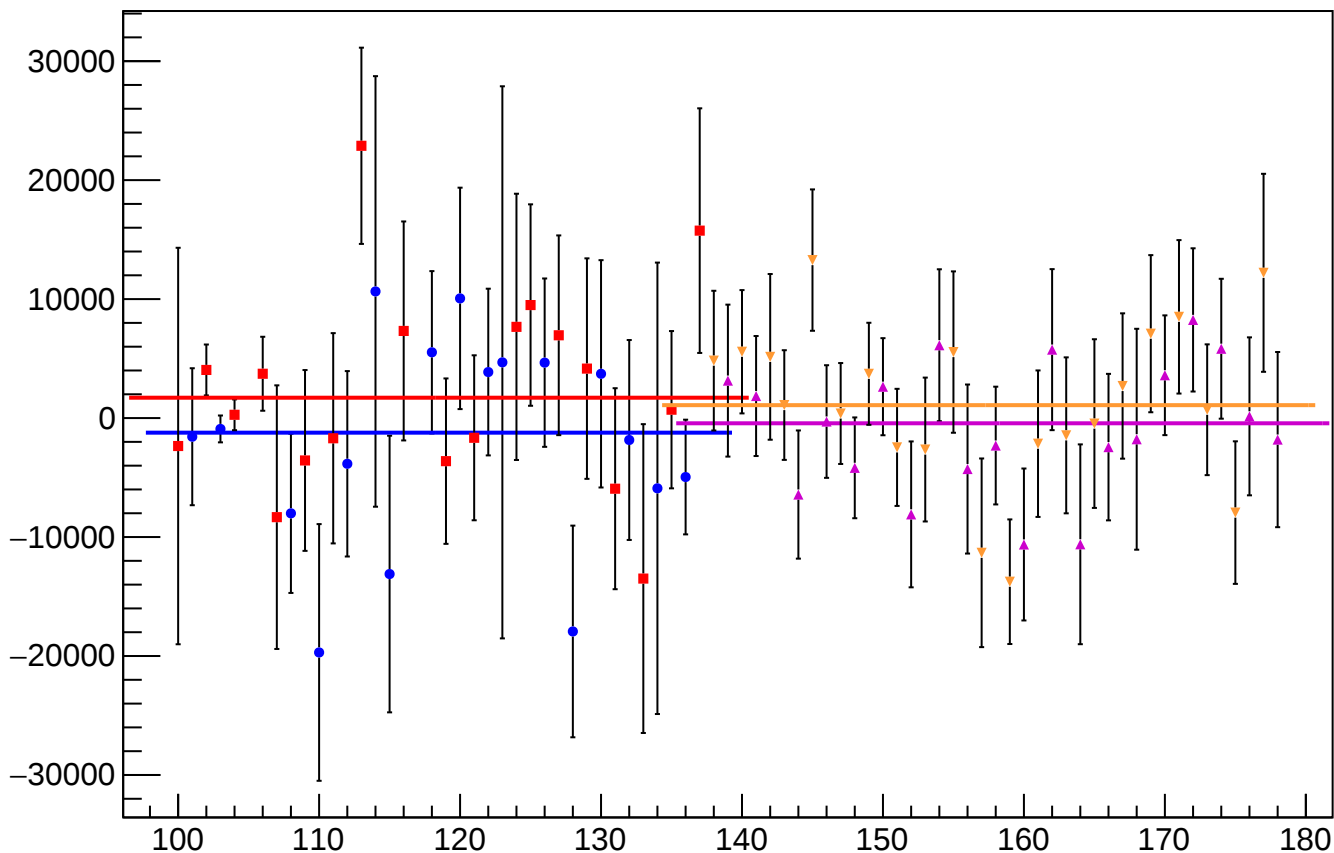
Left In: 1762.272+/-0.317 χ^2/NDF : 27953.7/19

+ sign 1803.500+/-0.271 χ^2/NDF : 396400.2/37

All: 1805.020+/-0.191 χ^2/NDF : 859394.3/76

- sign 1806.541+/-0.271 χ^2/NDF : 462930.9/38

asym_atl1r2_avg_correction_mean vs Slug



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 1085.256 $\pm$ 1256.187 χ^2 /NDF: 24.7/20

Right Out: 1711.747 $\pm$ 941.580 χ^2 /NDF: 17.8/18

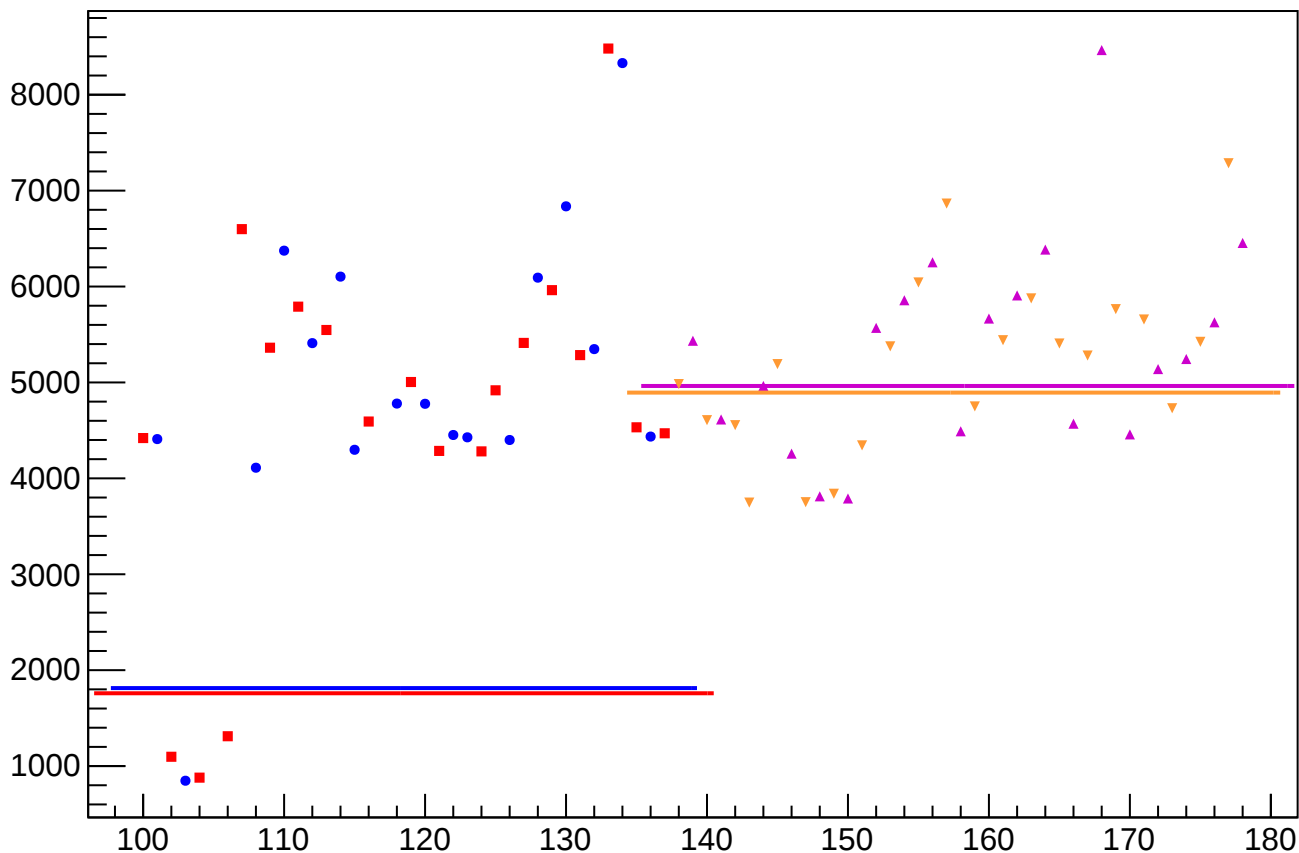
Left In: -438.330 $\pm$ 1284.457 χ^2 /NDF: 15.0/19

+ sign -347.008 $\pm$ 774.930 χ^2 /NDF: 40.6/37

All: 319.835 $\pm$ 542.383 χ^2 /NDF: 76.7/76

- sign 960.210 $\pm$ 759.395 χ^2 /NDF: 34.7/38

asym_atl1r2_avg_correction_rms vs Slug



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4894.115+/-0.888 χ^2/NDF : 950788.0/20

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

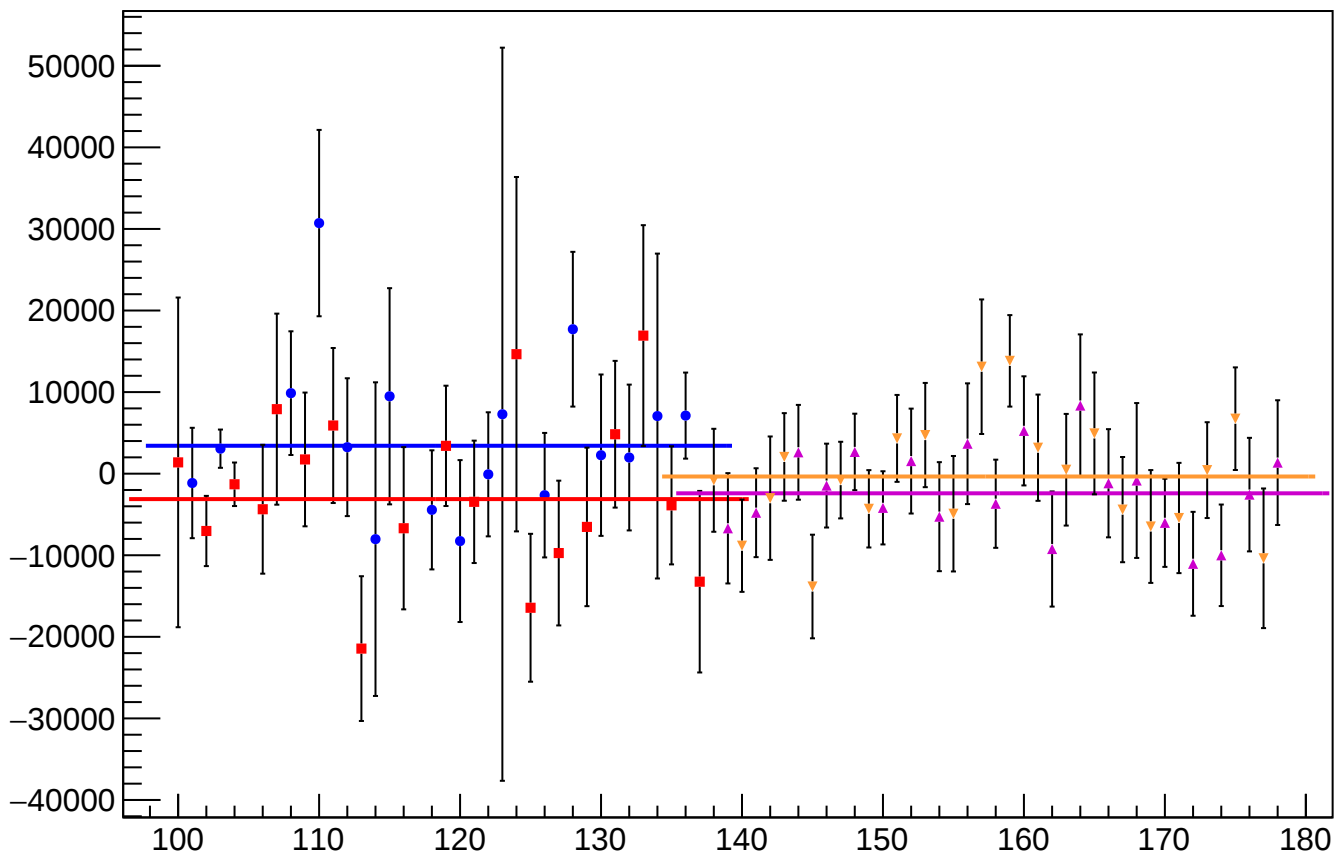
Left In: 4963.262+/-0.908 χ^2/NDF : 1062340.9/19

+ sign 2985.652+/-0.548 χ^2/NDF : 14852036.3/37

All: 2931.300+/-0.384 χ^2/NDF : 30342001.3/7

- sign 2879.104+/-0.537 χ^2/NDF : 15470677.7/38

asym_atl1r2_avg_mean vs Slug



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -347.464+/-1352.097 χ^2/NDF : 23.9/20

Right Out: -3117.857+/-1605.930 χ^2/NDF : 16.0/18

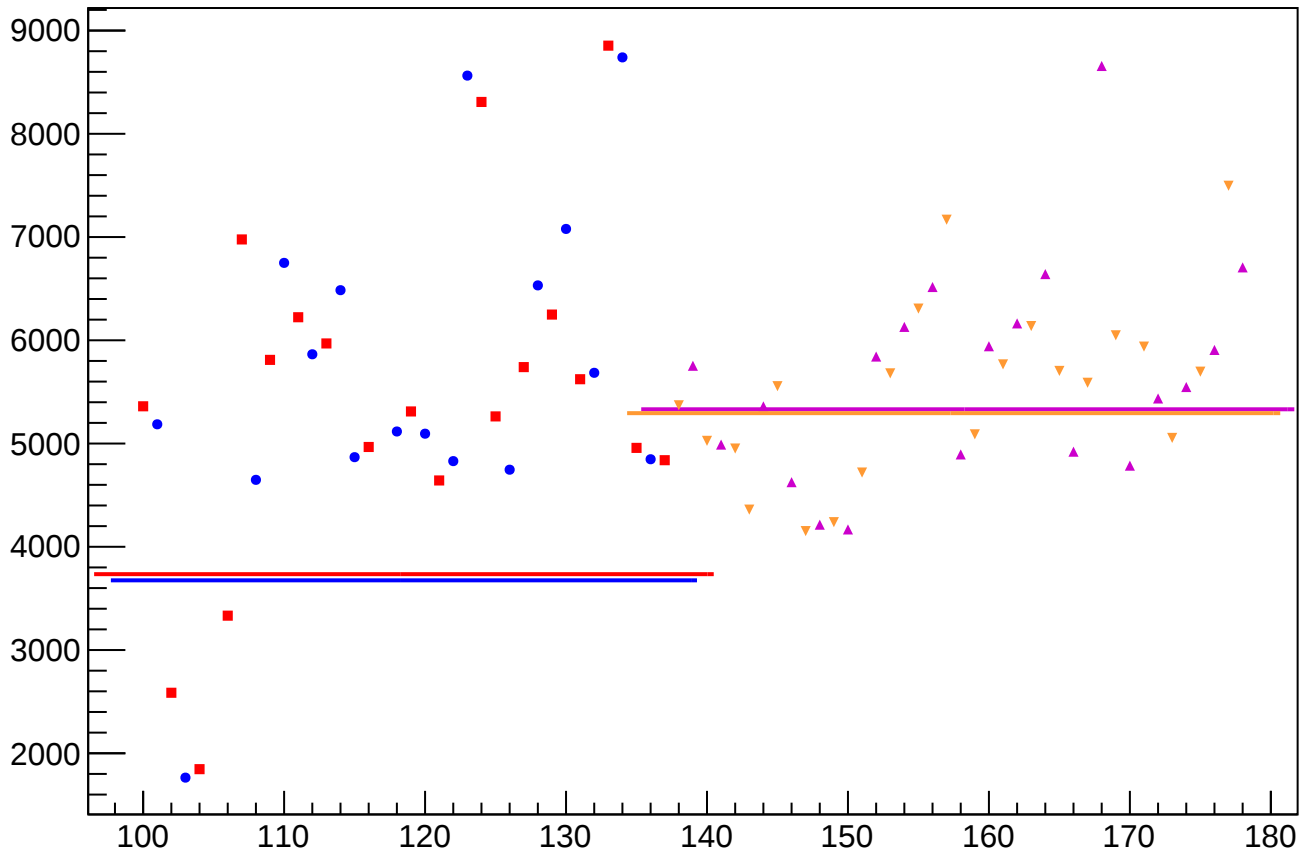
Left In: -2406.968+/-1374.599 χ^2/NDF : 11.8/19

+ sign 1215.012+/-1034.518 χ^2/NDF : 40.8/37

All: -727.844+/-734.944 χ^2/NDF : 75.9/76

- sign -2707.568+/-1044.288 χ^2/NDF : 28.0/38

asym_atl1r2_avg_rms vs Slug



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5294.273+/-0.956 χ^2/NDF : 704934.0/20

Right Out: 3734.796+/-1.128 χ^2/NDF : 2693929.0/18

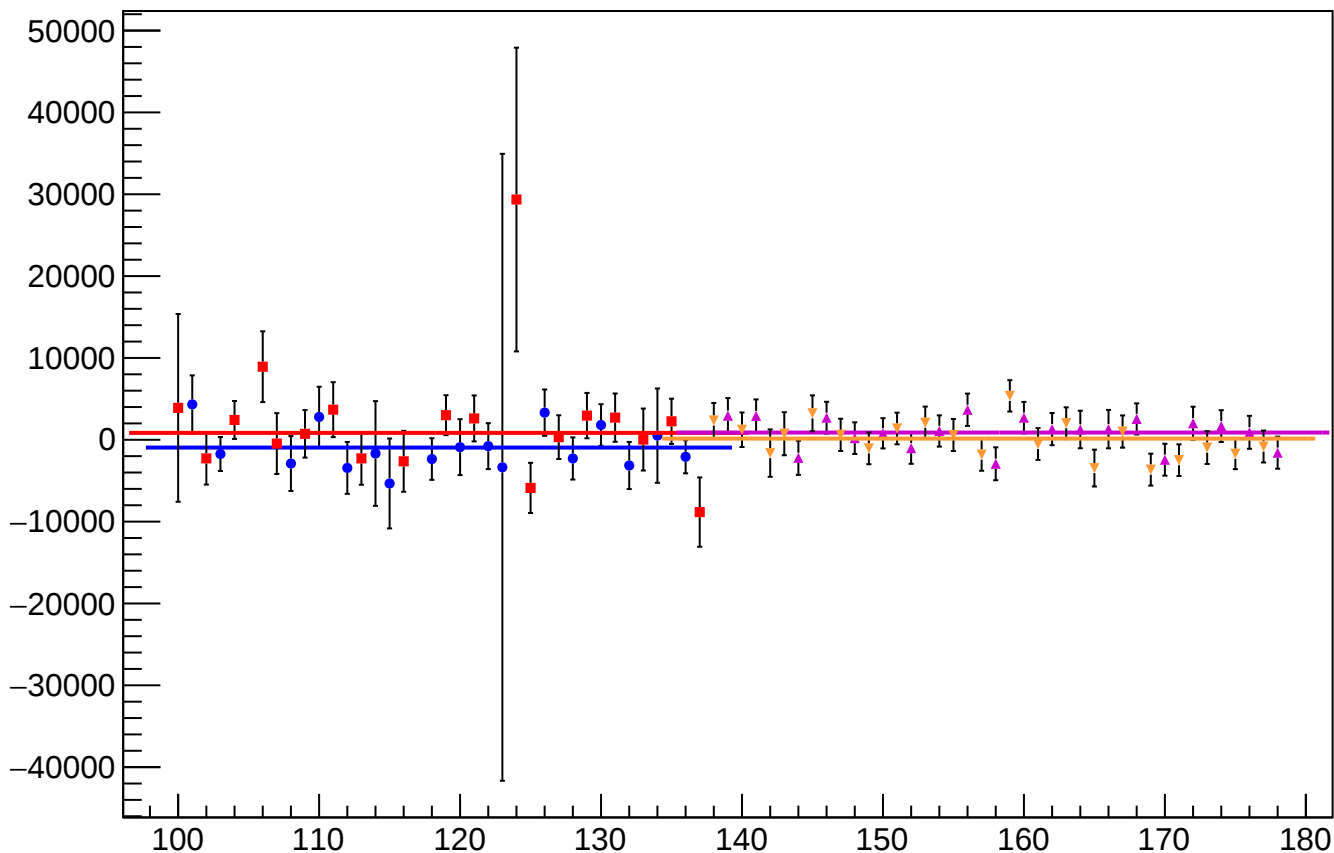
Left In: 5331.716+/-0.972 χ^2/NDF : 851342.9/19

+ sign 4622.940+/-0.732 χ^2/NDF : 4669264.6/37

All: 4637.007+/-0.519 χ^2/NDF : 9365451.2/70

- sign 4651.259+/-0.736 χ^2/NDF : 4695442.2/38

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377 ± 740.668 χ^2/NDF : 10.0/16

Left Out: 144.492 ± 444.601 χ^2/NDF : 24.9/20

Right Out: 843.515 ± 737.527 χ^2/NDF : 22.5/18

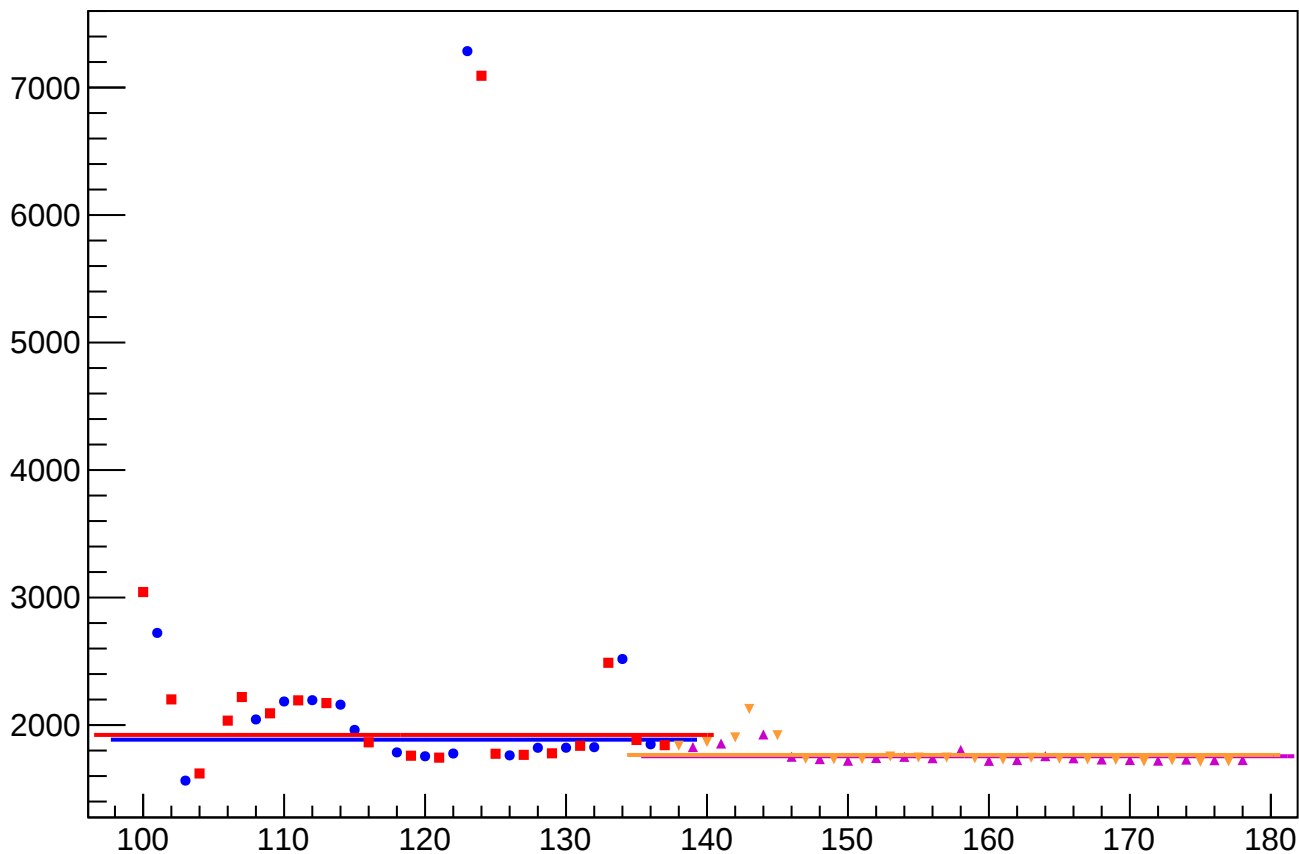
Left In: 882.914 ± 445.984 χ^2/NDF : 18.5/19

+ sign -145.782 ± 381.196 χ^2/NDF : 36.5/37

All: 362.707 ± 269.701 χ^2/NDF : 81.0/76

- sign 872.365 ± 381.634 χ^2/NDF : 41.0/38

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1765.392+/-0.314 χ^2/NDF : 69508.9/20

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

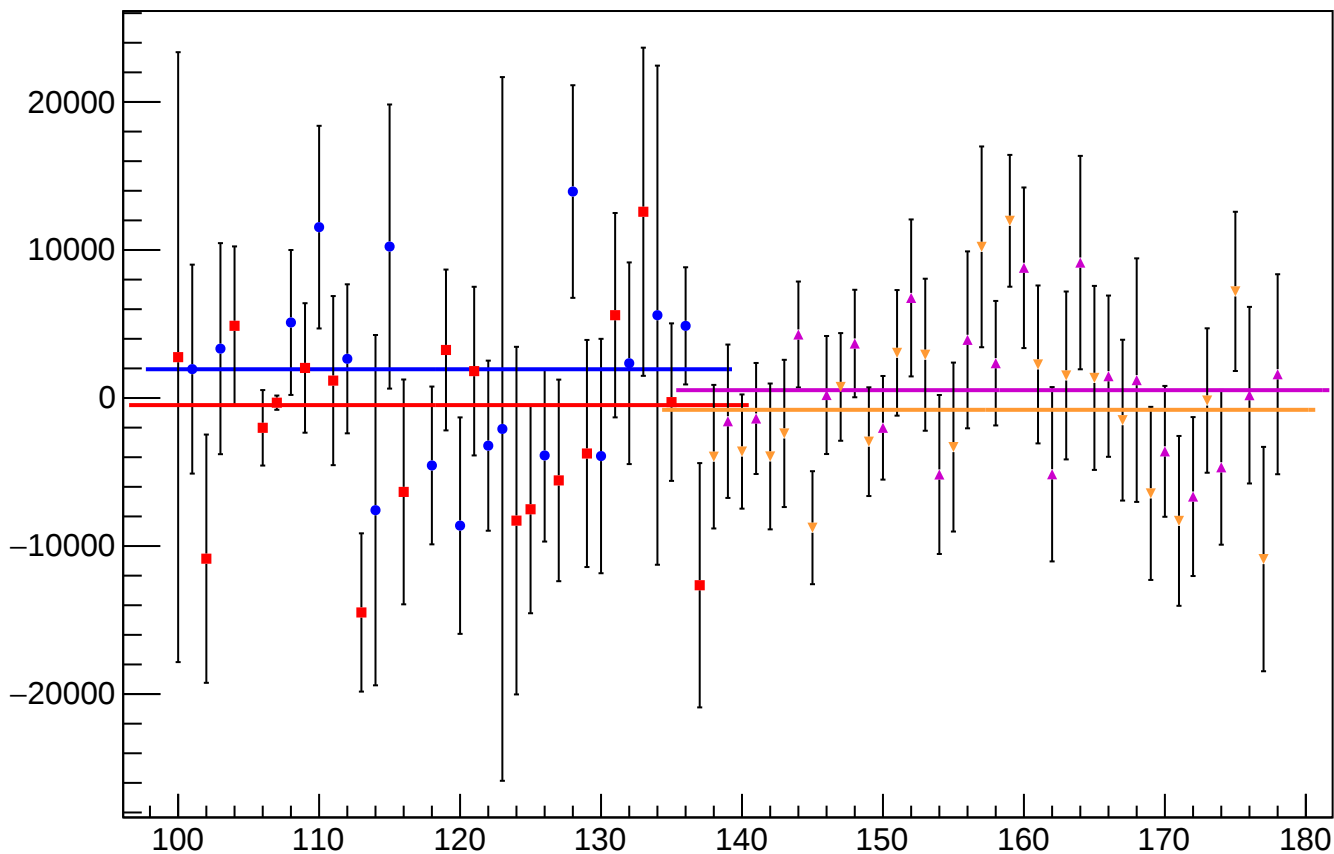
Left In: 1755.287+/-0.315 χ^2/NDF : 27003.7/19

+ sign 1797.169+/-0.270 χ^2/NDF : 388509.9/37

All: 1798.670+/-0.191 χ^2/NDF : 842572.8/76

- sign 1800.172+/-0.270 χ^2/NDF : 454000.9/38

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -797.632+/-1062.545 χ^2/NDF : 26.0/20

Right Out: -478.828+/-453.684 χ^2/NDF : 18.1/18

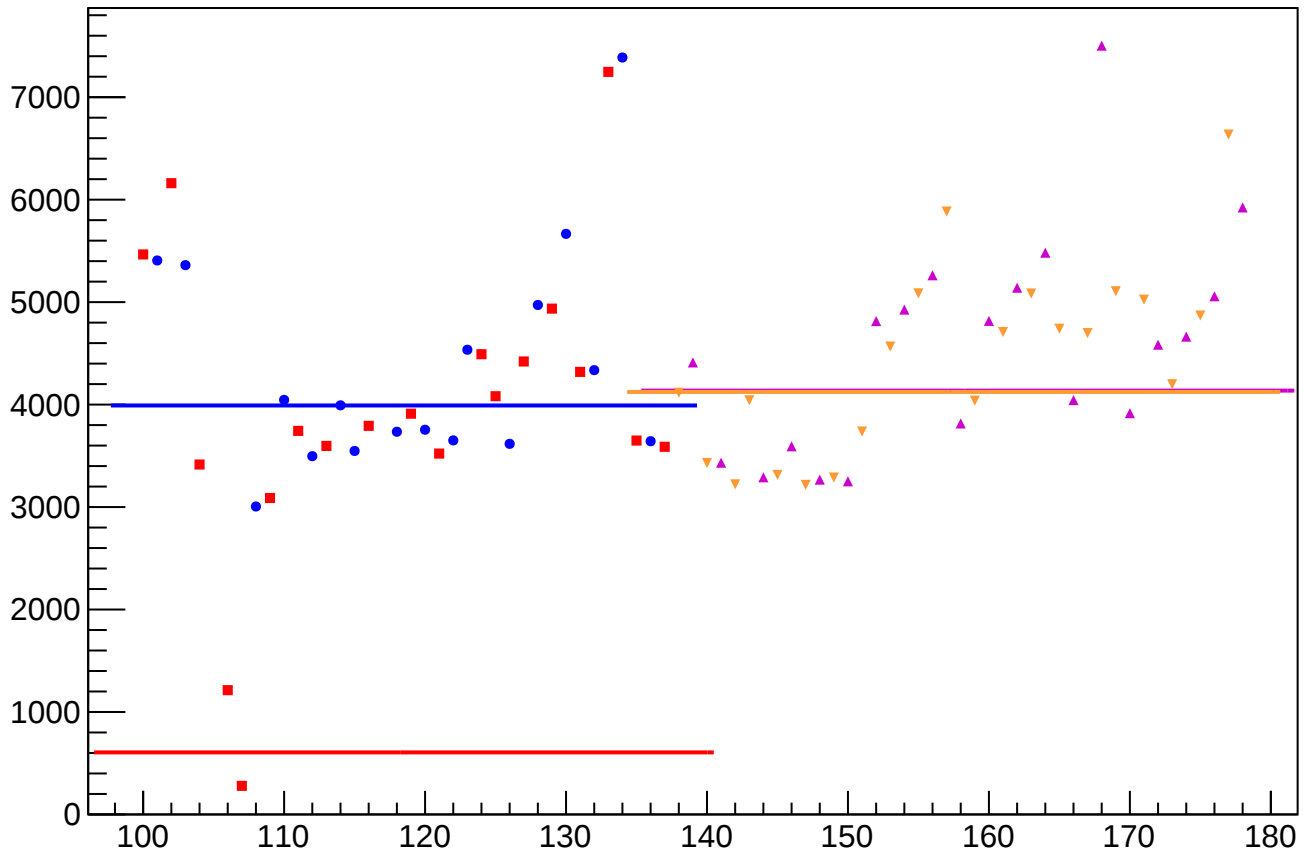
Left In: 530.298+/-1075.471 χ^2/NDF : 14.2/19

+ sign 55.107+/-881.896 χ^2/NDF : 41.3/37

All: -256.394+/-377.729 χ^2/NDF : 74.5/76

- sign -326.378+/-418.013 χ^2/NDF : 33.1/38

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 4123.591+/-0.751 χ^2/NDF : 1161752.8/20

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

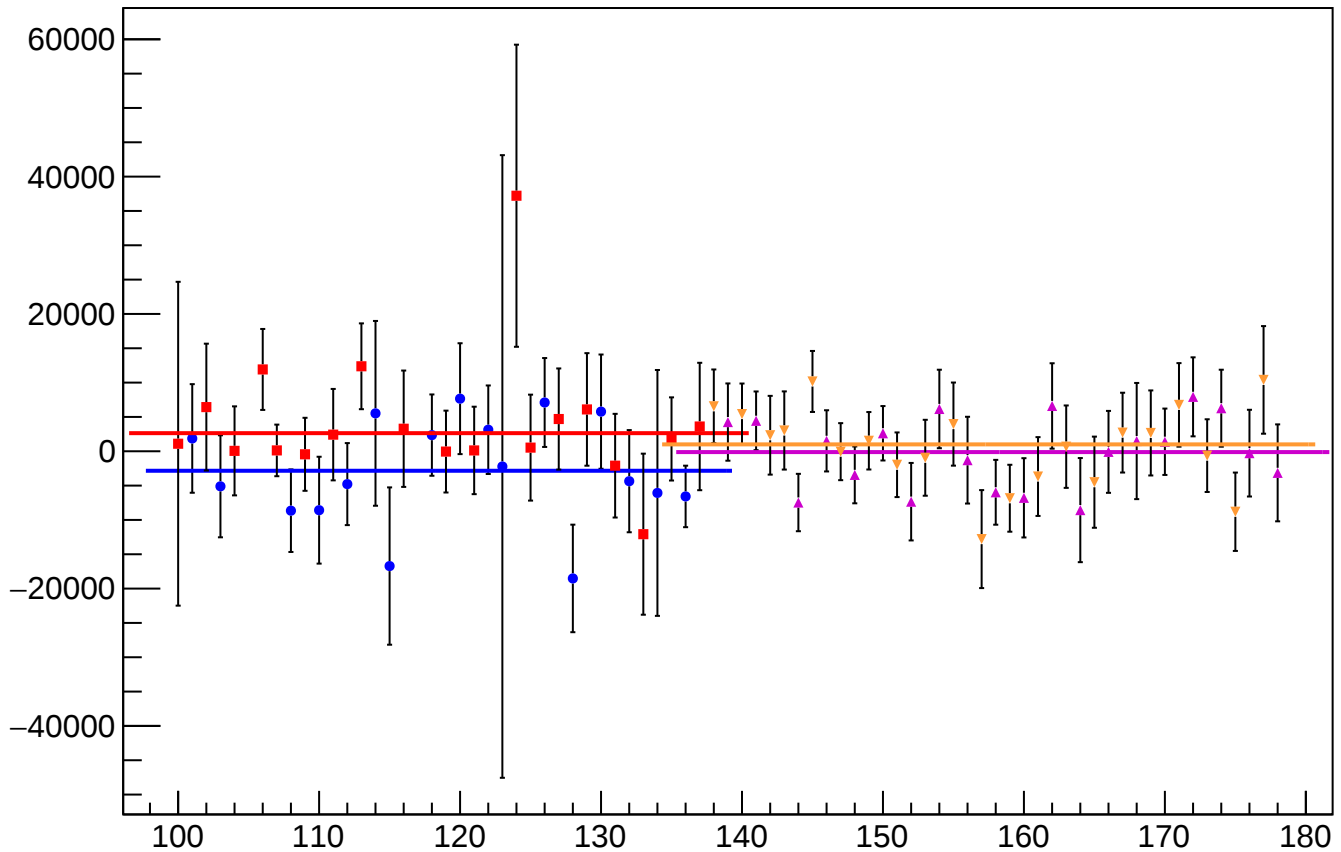
Left In: 4136.562+/-0.760 χ^2/NDF : 1347768.4/19

+ sign 4082.468+/-0.624 χ^2/NDF : 1682164.2/37

All: 1679.101+/-0.267 χ^2/NDF : 49767712.5/7

- sign 1139.138+/-0.296 χ^2/NDF : 29894633.0/38

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599 $\pm$ 1786.019 χ^2 /NDF: 15.4/16

Left Out: 1002.049 $\pm$ 1174.090 χ^2 /NDF:20.6/20

Right Out: 2637.071 $\pm$ 1575.105 χ^2 /NDF: 11.2/18

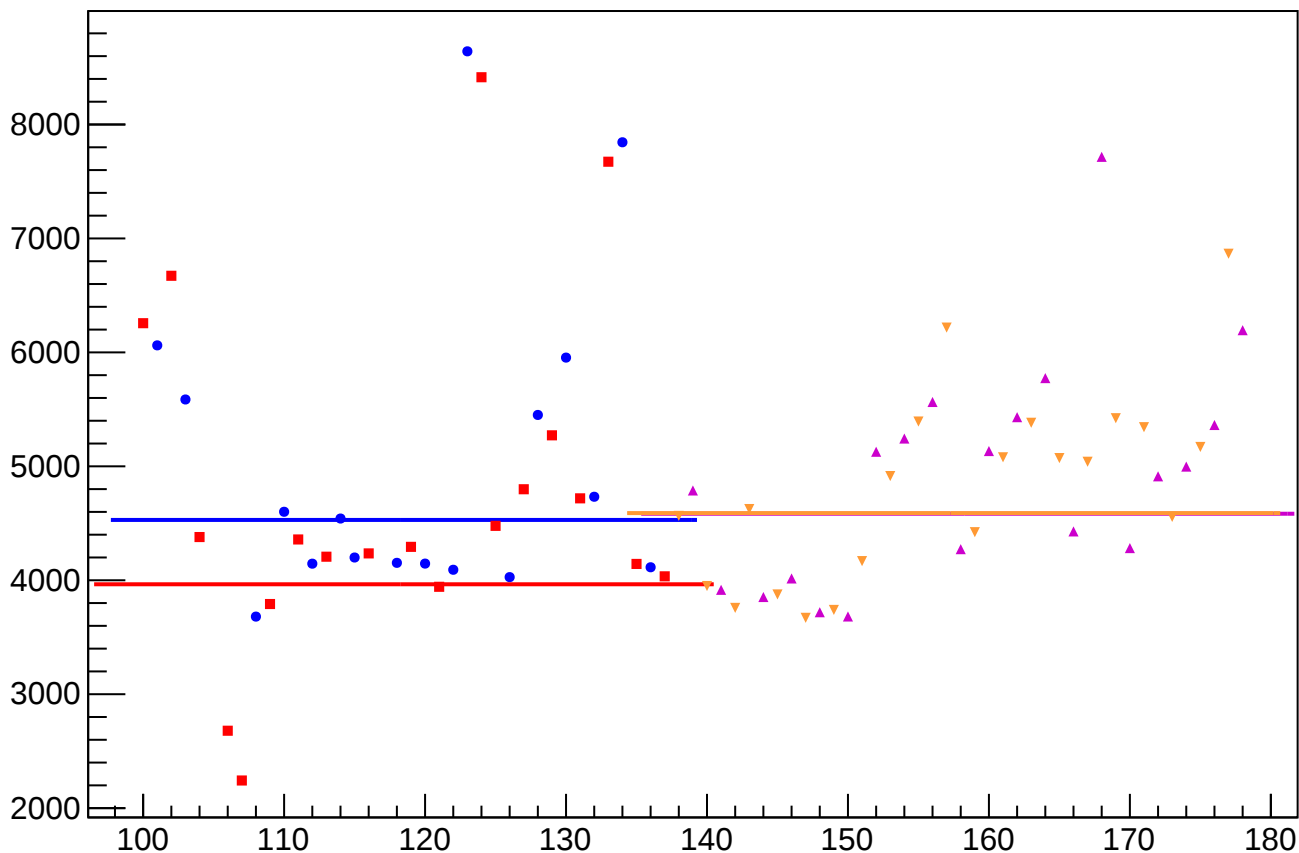
Left In: -119.935 $\pm$ 1184.010 χ^2 /NDF:17.8/19

+ sign -157.158 $\pm$ 981.088 χ^2 /NDF: 39.2/37

All: 377.715 $\pm$ 681.151 χ^2 /NDF: 70.7/76

- sign 875.469 $\pm$ 946.434 χ^2 /NDF: 31.0/38

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462 ± 1.263 χ^2/NDF : 389326.2/16

Left Out: 4589.558 ± 0.830 χ^2/NDF : 808902.1/20

Right Out: 3964.829 ± 1.107 χ^2/NDF : 1140409.6/18

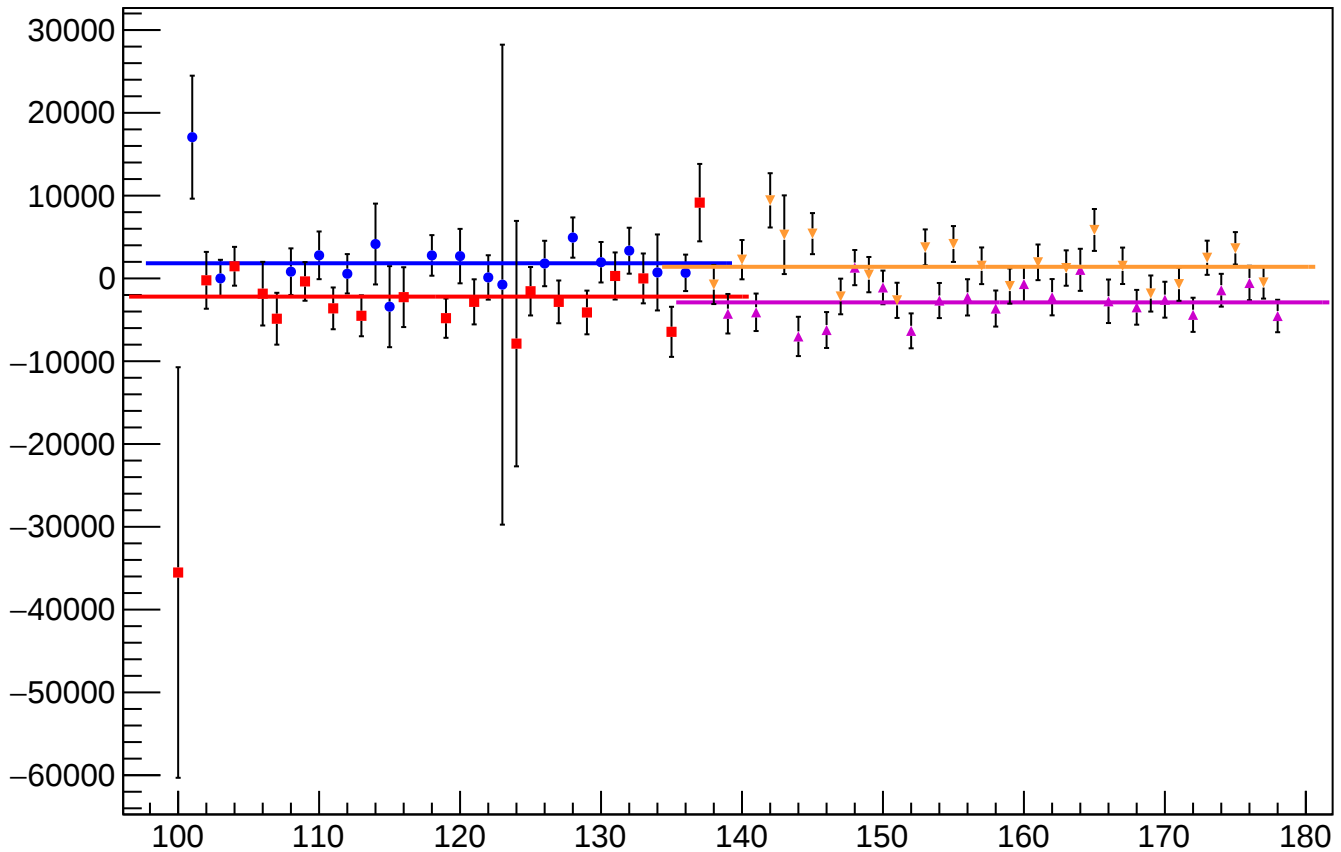
Left In: 4583.893 ± 0.837 χ^2/NDF : 977960.6/19

+ sign 4571.424 ± 0.694 χ^2/NDF : 1199809.3/37

All: 4460.913 ± 0.481 χ^2/NDF : 3566083.3/76

- sign 4358.549 ± 0.668 χ^2/NDF : 2317392.5/38

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 1402.944 $\pm$ 489.039 χ^2 /NDF: 29.8/20

Right Out: -2198.063 $\pm$ 684.205 χ^2 /NDF: 18.3/18

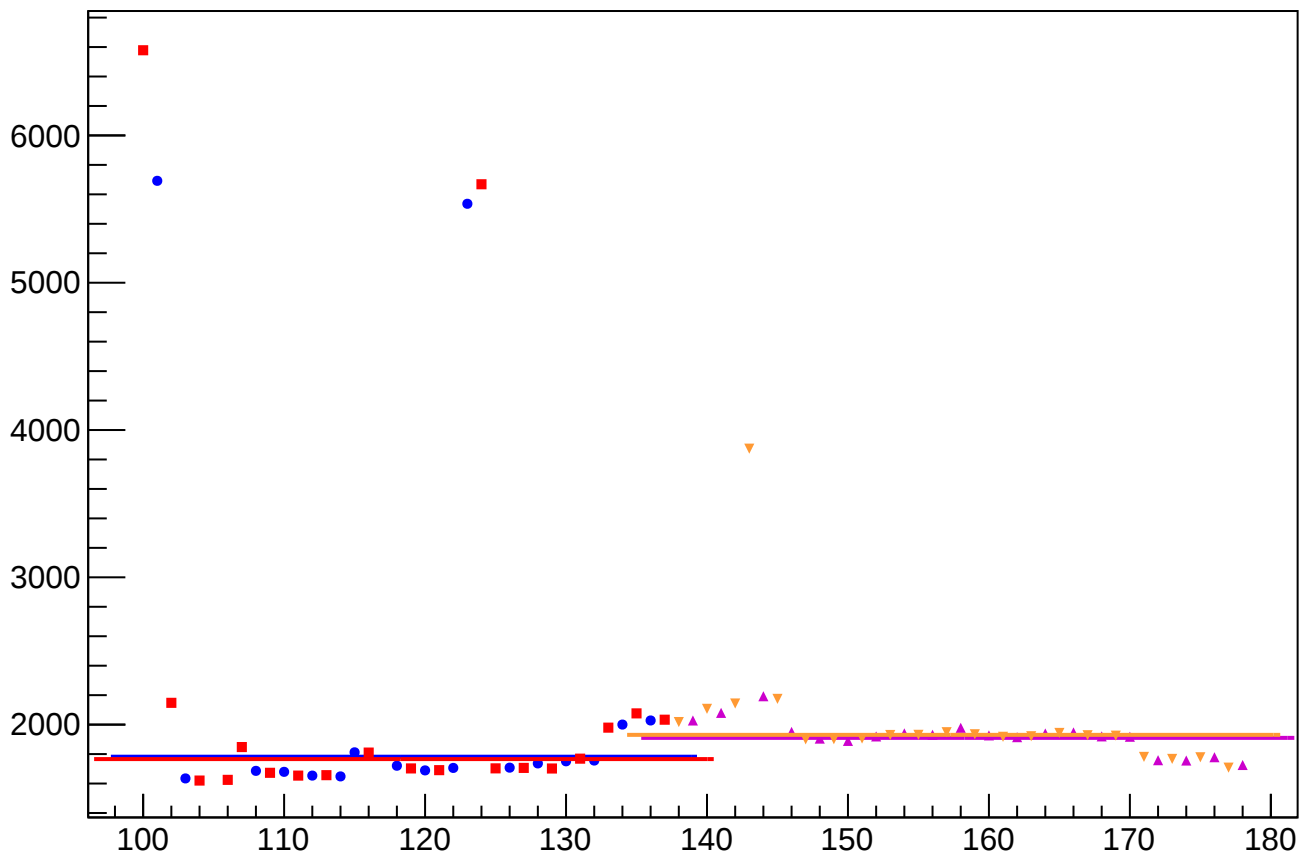
Left In: -2893.703 $\pm$ 485.963 χ^2 /NDF: 20.2/19

+ sign 1540.041 $\pm$ 402.989 χ^2 /NDF: 39.7/37

All: -595.897 $\pm$ 282.525 χ^2 /NDF: 134.2/76

- sign -2660.446 $\pm$ 396.198 χ^2 /NDF: 39.3/38

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 1930.484+/-0.346 χ^2/NDF : 439058.9/20

Right Out: 1765.967+/-0.480 χ^2/NDF : 306798.2/18

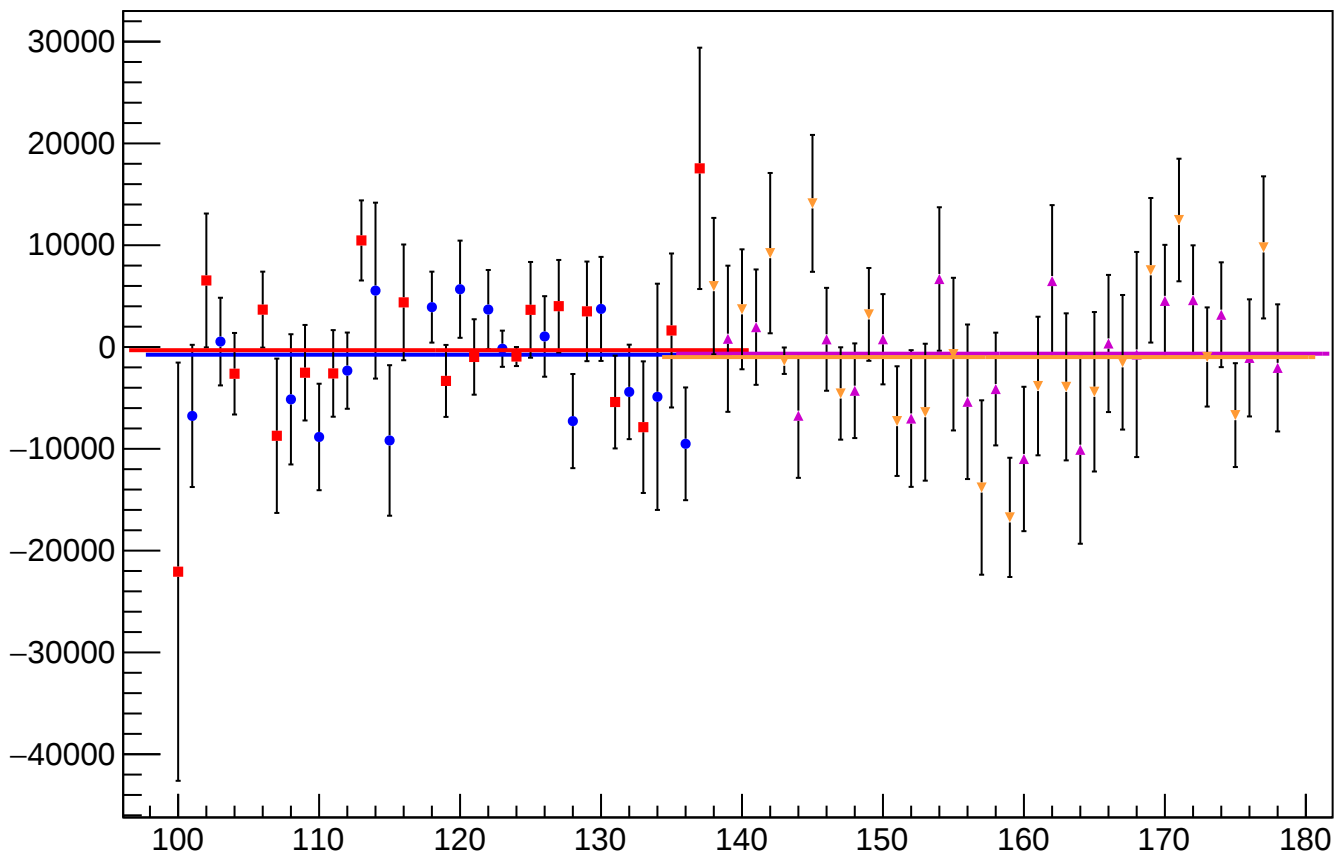
Left In: 1910.007+/-0.344 χ^2/NDF : 97434.4/19

+ sign 1882.871+/-0.285 χ^2/NDF : 1143313.9/37

All: 1871.860+/-0.200 χ^2/NDF : 1609932.9/70

- sign 1861.267+/-0.280 χ^2/NDF : 463689.4/38

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -988.452+/-943.122 χ^2/NDF : 32.1/20

Right Out: -311.405+/-725.132 χ^2/NDF : 22.0/18

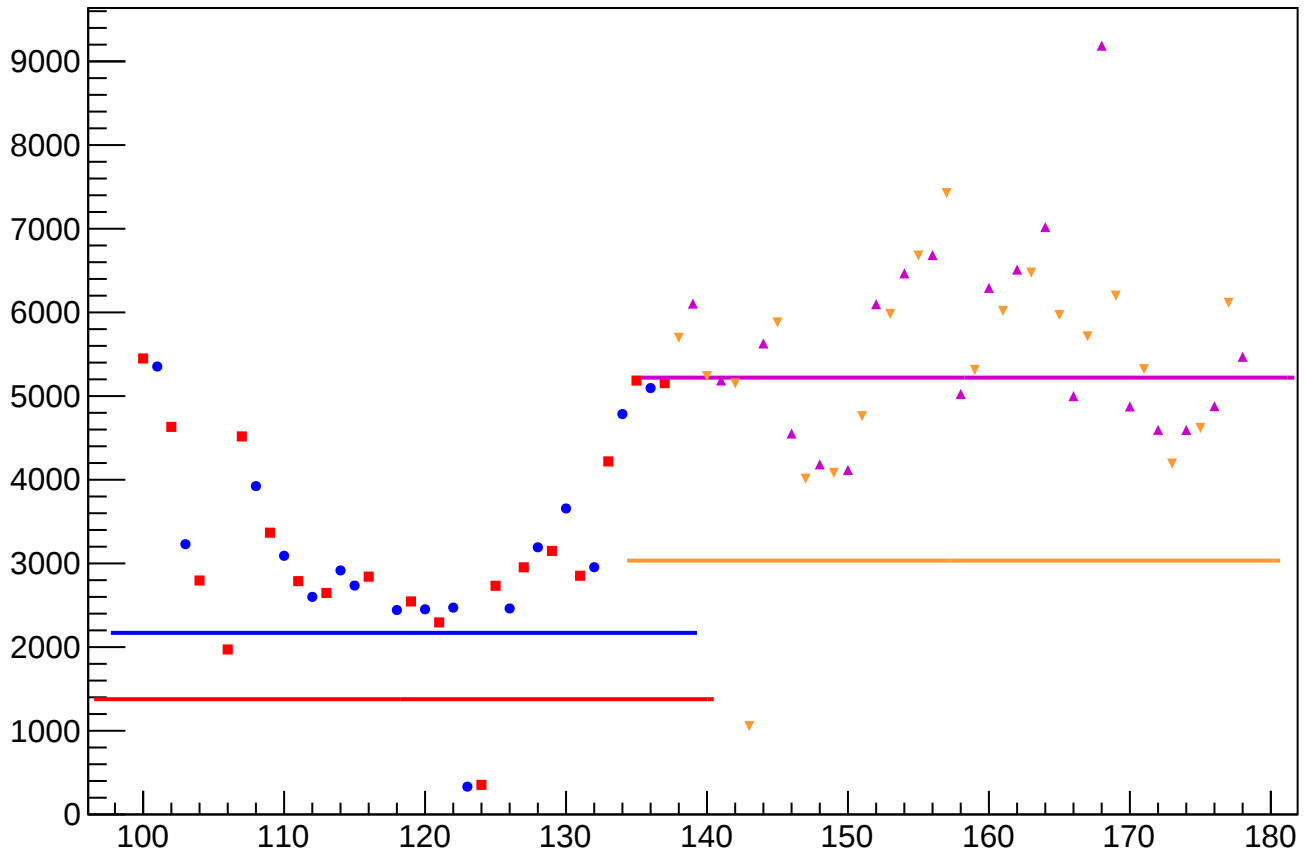
Left In: -655.885+/-1350.230 χ^2/NDF : 11.4/19

+ sign -878.807+/-688.849 χ^2/NDF : 49.0/37

All: -615.219+/-468.409 χ^2/NDF : 82.7/76

- sign -388.518+/-638.835 χ^2/NDF : 33.4/38

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 3033.579+/-0.667 χ^2/NDF :10657817.0/20

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

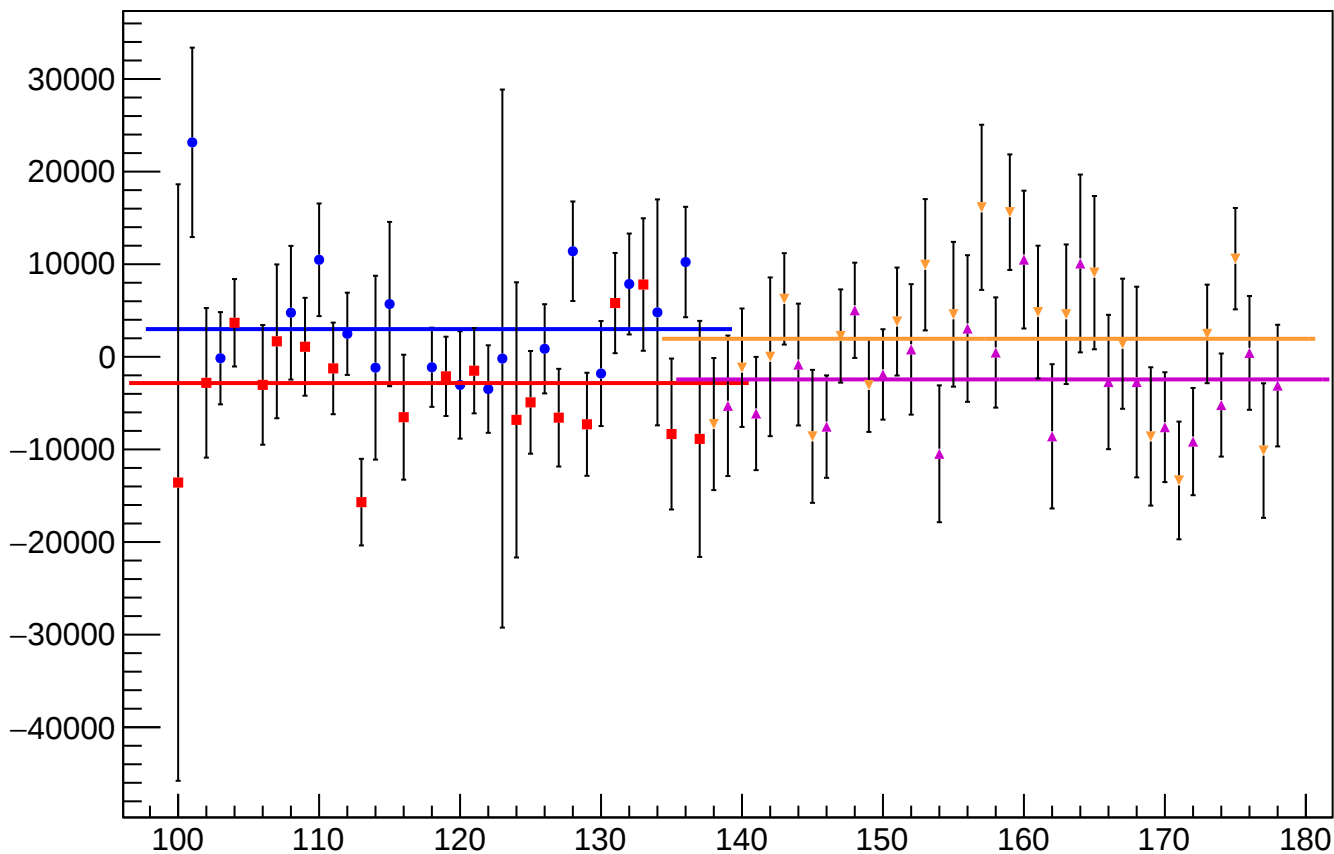
Left In: 5220.418+/-0.955 χ^2/NDF :1039528.5/19

+ sign 2630.809+/-0.487 χ^2/NDF : 15413407.3/37

All: 2419.583+/-0.331 χ^2/NDF : 36222816.0/7

- sign 2237.916+/-0.452 χ^2/NDF : 20459621.3/38

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 1947.835 $\pm$ 1410.322 χ^2 /NDF: 28.8/20

Right Out: -2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

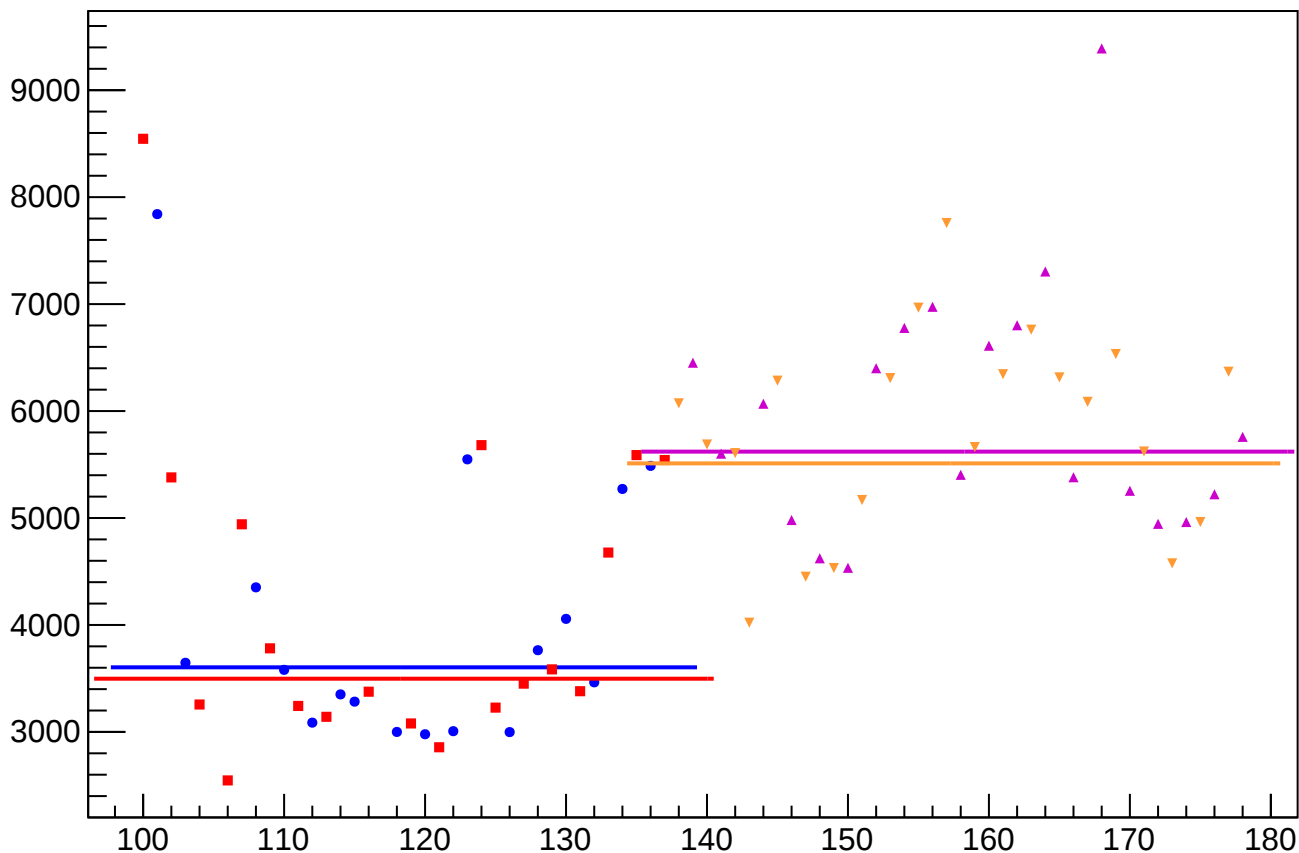
Left In: -2440.697 $\pm$ 1448.862 χ^2 /NDF: 13.6/19

+ sign 2456.833 $\pm$ 1010.038 χ^2 /NDF: 44.7/37

All: -123.175 $\pm$ 710.244 χ^2 /NDF: 89.0/76

- sign -2646.733 $\pm$ 998.927 χ^2 /NDF: 31.3/38

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 $\chi^2/\text{NDF}: 784674.5/16$

Left Out: 5510.775 ± 0.997 $\chi^2/\text{NDF}: 874596.2/20$

Right Out: 3497.586 ± 0.962 $\chi^2/\text{NDF}: 661898.6/18$

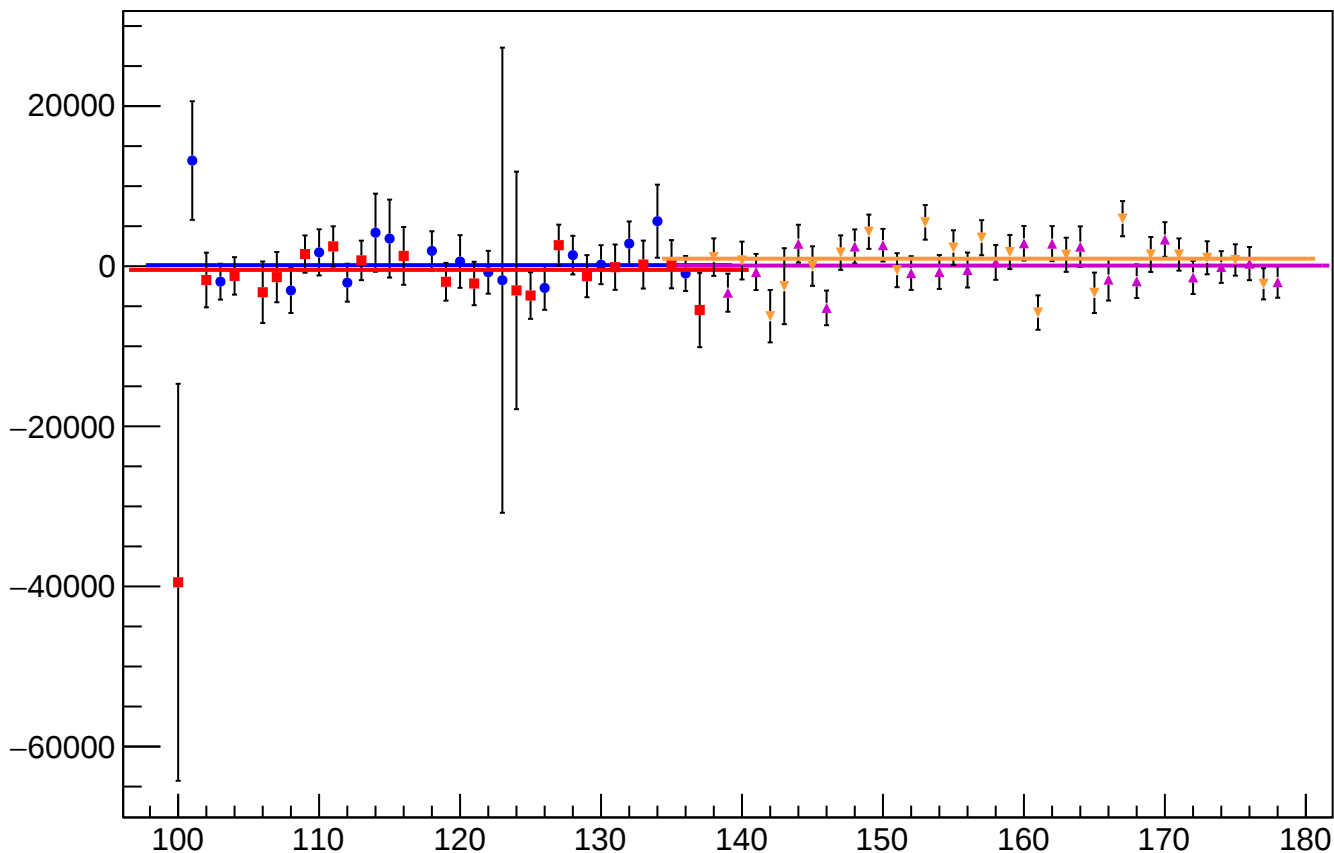
Left In: 5620.599 ± 1.025 $\chi^2/\text{NDF}: 854333.7/19$

+ sign 4581.958 ± 0.714 $\chi^2/\text{NDF}: 3440167.0/37$

All: 4536.124 ± 0.500 $\chi^2/\text{NDF}: 7247387.0/70$

- sign 4491.951 ± 0.701 $\chi^2/\text{NDF}: 3799132.5/38$

reg_asym_atr1l2_dd_mean vs Slug



Right In: 130.913+/-709.207 χ^2/NDF : 12.2/16

Left Out: 941.346+/-488.136 χ^2/NDF :35.6/20

Right Out: -459.034+/-681.841 χ^2/NDF : 10.7/18

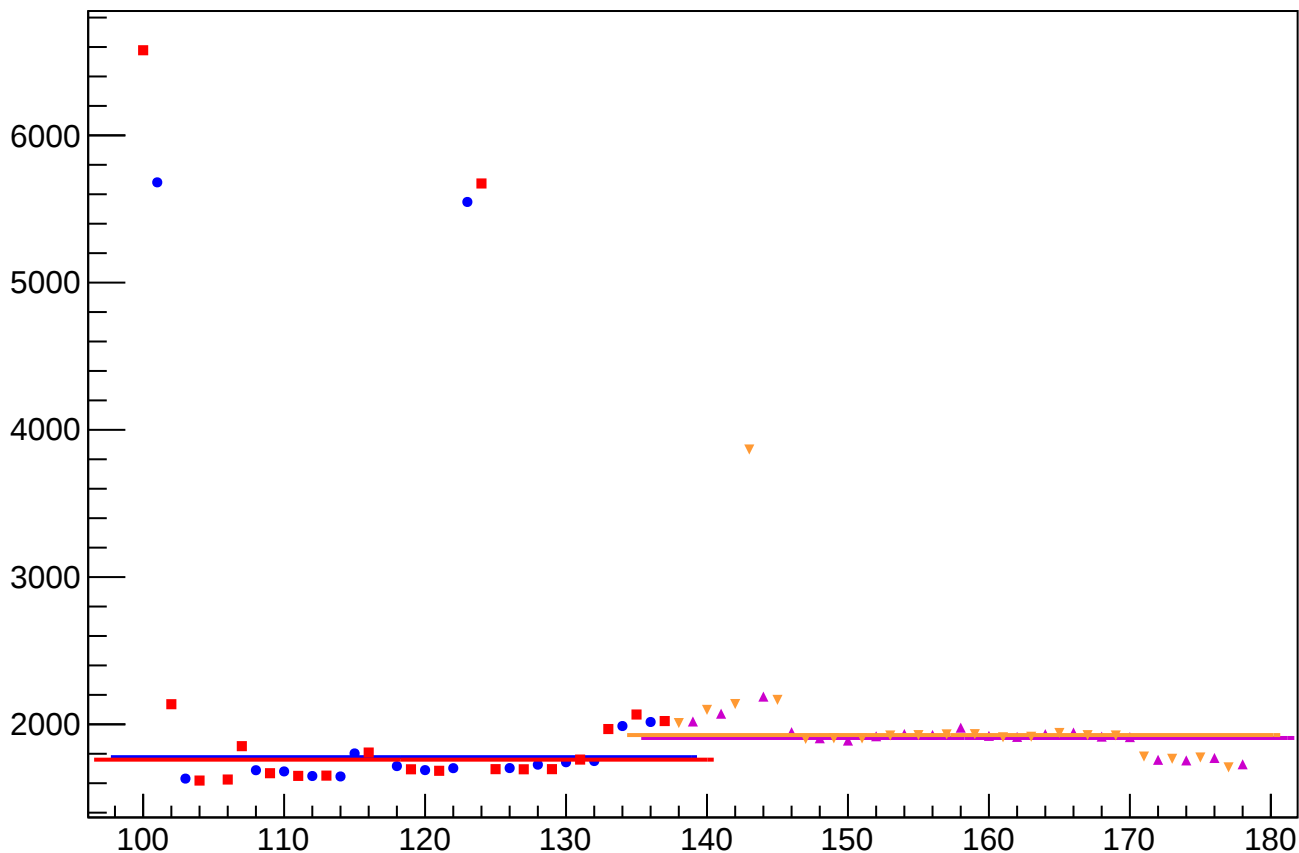
Left In: 79.020+/-485.242 χ^2/NDF :22.0/19

+ sign 680.831+/-402.097 χ^2/NDF : 48.7/37

All: 282.856+/-281.909 χ^2/NDF : 83.8/76

- sign -101.871+/-395.347 χ^2/NDF : 33.2/38

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2 /NDF: 643576.8/16

Left Out: 1927.094+/-0.345 χ^2 /NDF: 435417.6/20

Right Out: 1759.990+/-0.479 χ^2 /NDF: 306154.6/18

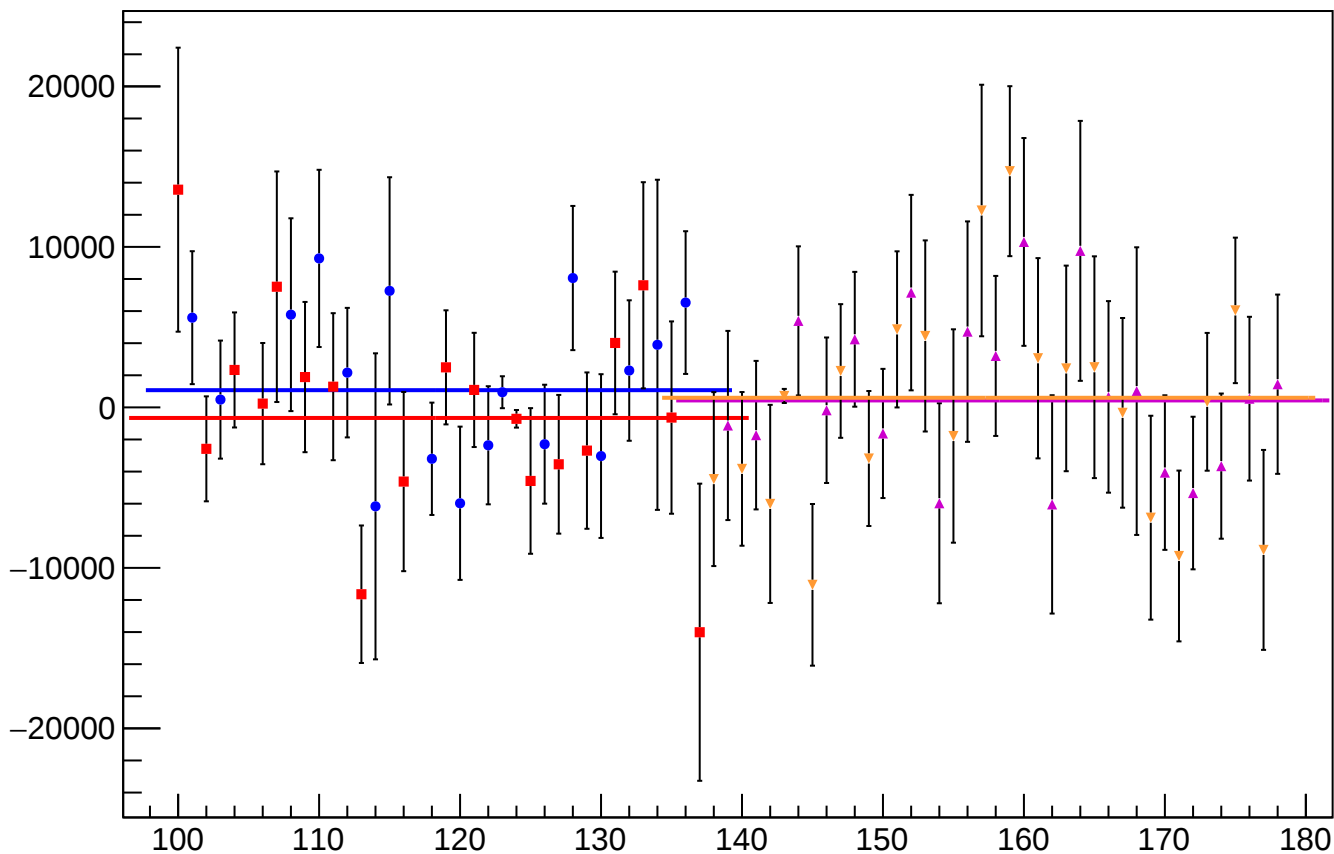
Left In: 1907.269+/-0.343 χ^2 /NDF: 94890.4/19

+ sign 1878.807+/-0.284 χ^2 /NDF: 1139876.7/37

All: 1867.849+/-0.199 χ^2 /NDF: 1606340.2/70

- sign 1857.305+/-0.279 χ^2 /NDF: 463549.0/38

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194 $\pm$ 752.280 χ^2/NDF : 15.6/16

Left Out: 597.900 $\pm$ 412.317 χ^2/NDF : 28.8/20

Right Out: -658.759 $\pm$ 488.034 χ^2/NDF : 19.8/18

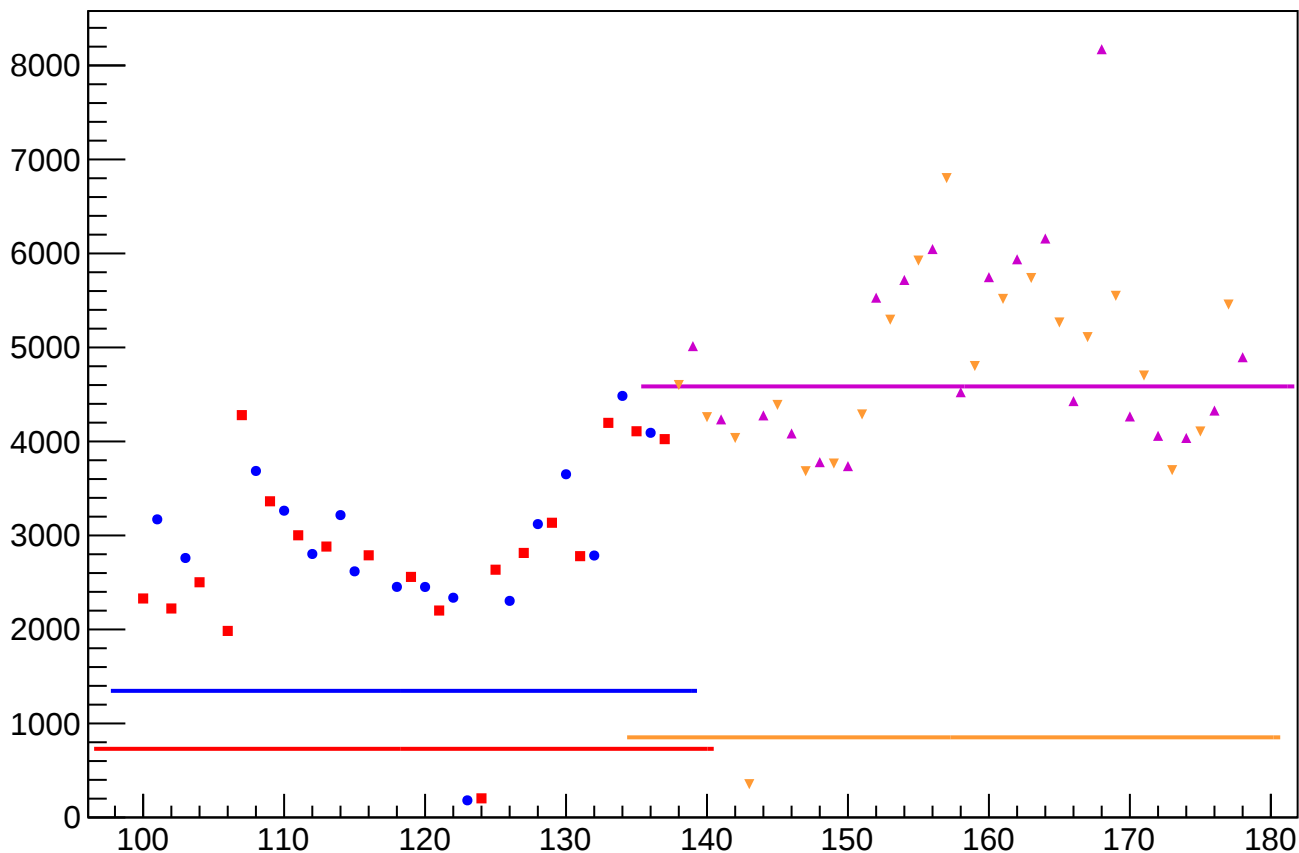
Left In: 433.367 $\pm$ 1185.857 χ^2/NDF : 13.3/19

+ sign 707.465 $\pm$ 361.570 χ^2/NDF : 44.7/37

All: 235.202 $\pm$ 282.179 χ^2/NDF : 82.8/76

- sign -500.577 $\pm$ 451.309 χ^2/NDF : 33.8/38

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 852.308+/-0.292 χ^2/NDF : 22765970.3/20

Right Out: 730.119+/-0.345 χ^2/NDF : 9503127.2/18

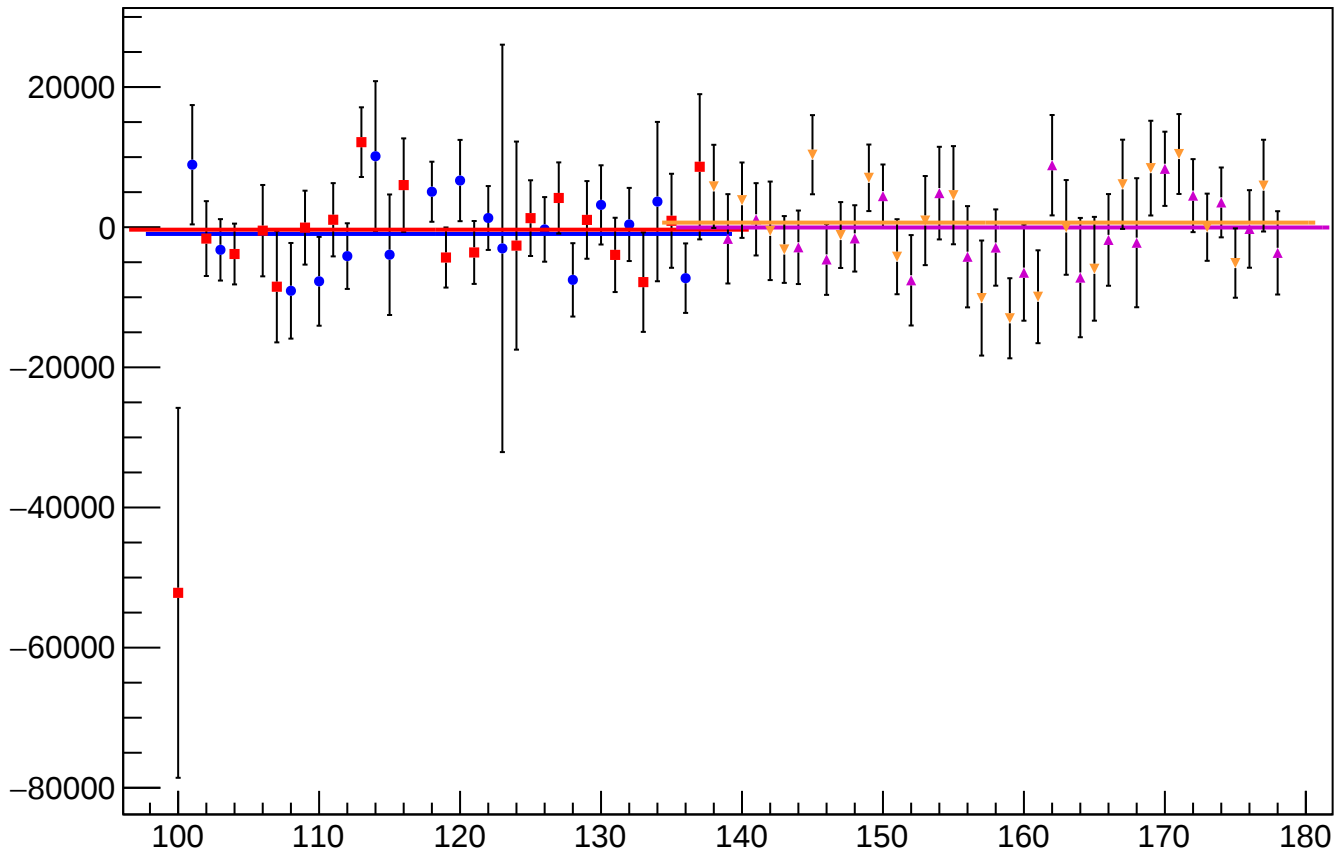
Left In: 4585.487+/-0.839 χ^2/NDF : 1037477.1/19

+ sign 966.547+/-0.256 χ^2/NDF : 30269706.9/37

All: 1092.418+/-0.200 χ^2/NDF : 59508094.1/7

- sign 1288.524+/-0.319 χ^2/NDF : 28618380.4/38

asym_atr1l2_dd_mean vs Slug



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 654.077 ± 1268.477 χ^2/NDF : 25.6/20

Right Out: -354.646 ± 1329.760 χ^2/NDF : 17.6/18

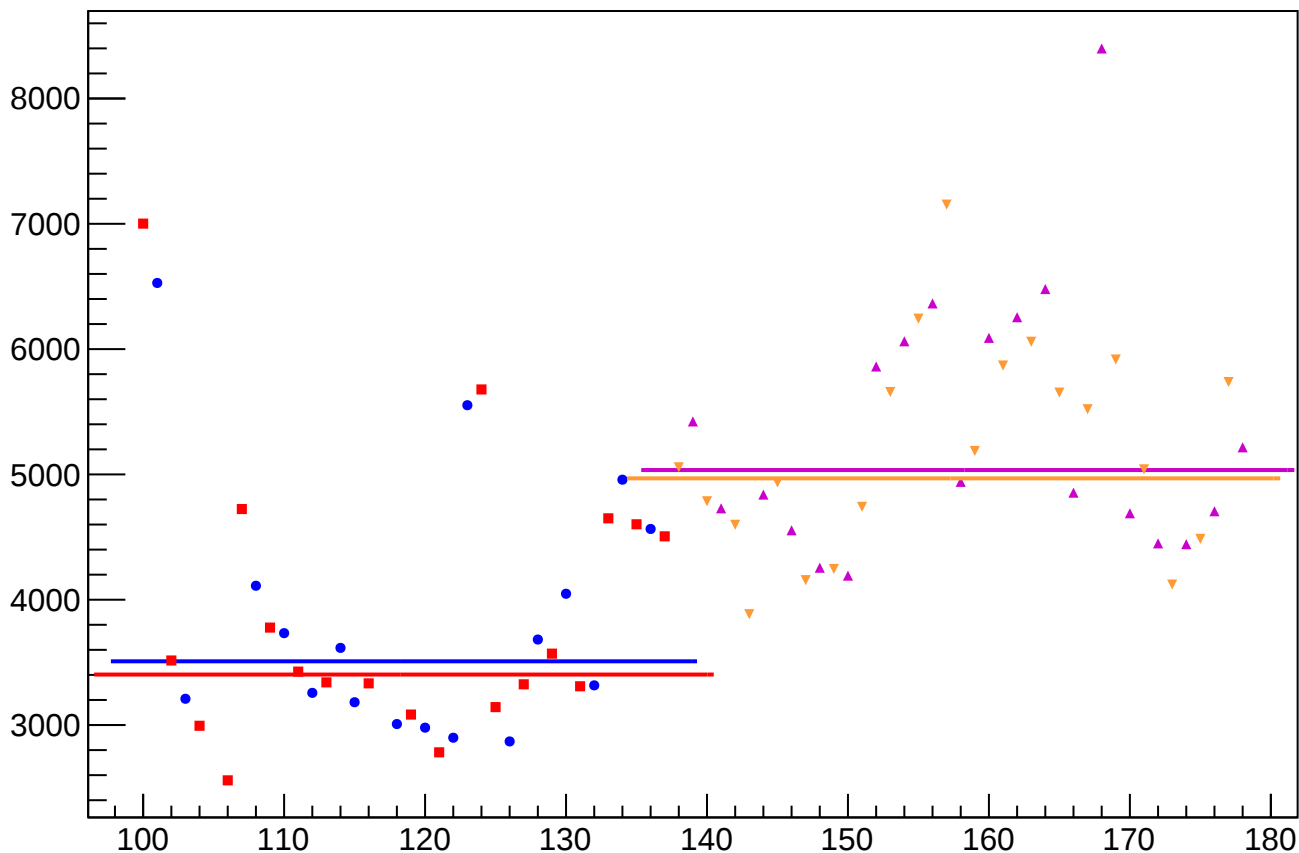
Left In: -43.798 ± 1296.797 χ^2/NDF : 12.2/19

+ sign -77.980 ± 938.689 χ^2/NDF : 40.1/37

All: -137.297 ± 660.089 χ^2/NDF : 70.0/76

- sign -195.322 ± 928.409 χ^2/NDF : 29.9/38

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4968.623+/-0.897 χ^2/NDF : 725635.4/20

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

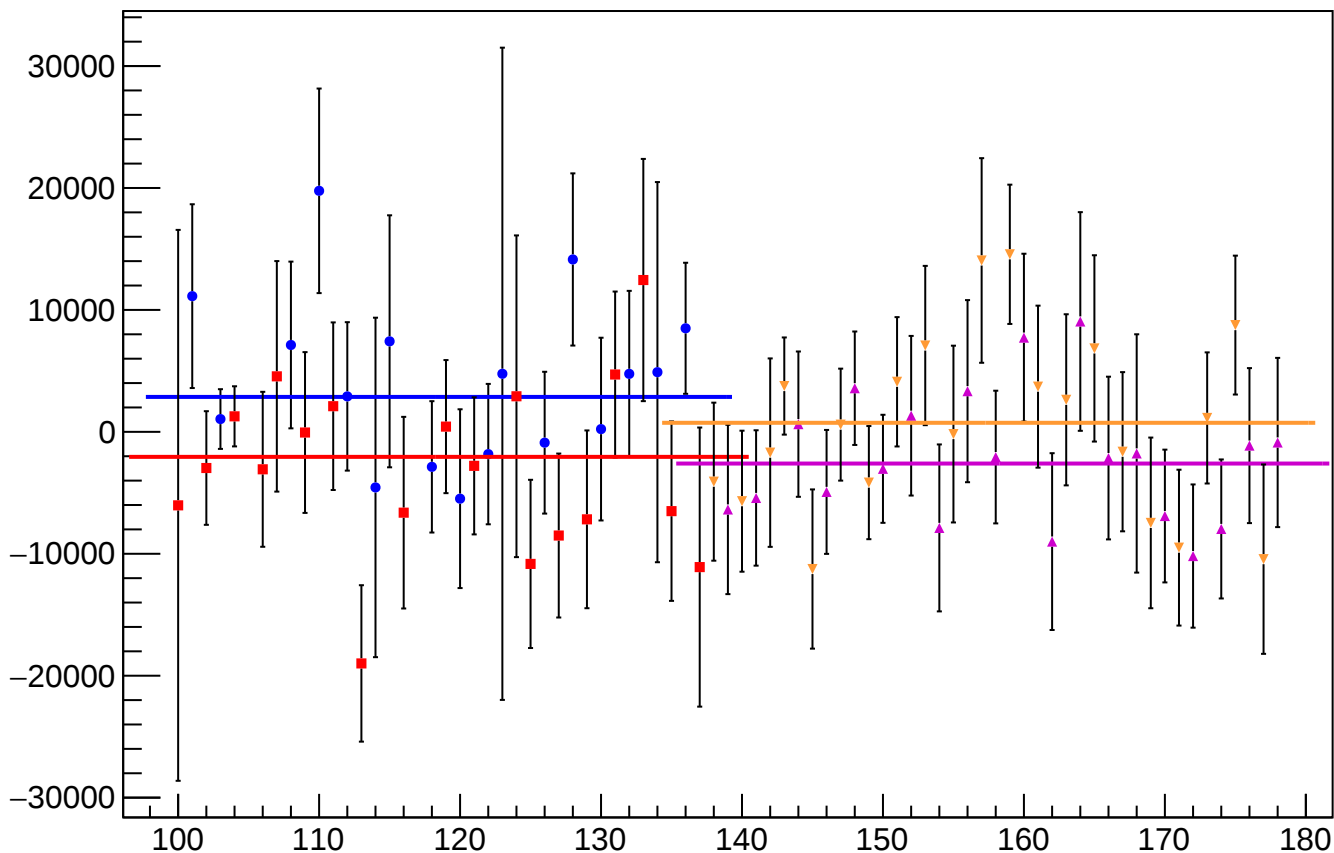
Left In: 5034.972+/-0.917 χ^2/NDF : 811087.6/19

+ sign 4308.078+/-0.664 χ^2/NDF : 2486673.6/37

All: 4267.739+/-0.465 χ^2/NDF : 5298414.0/76

- sign 4228.780+/-0.652 χ^2/NDF : 2804479.7/38

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 742.030+/-1308.403 χ^2/NDF : 25.7/20

Right Out: -2051.211+/-1381.577 χ^2/NDF : 17.7/18

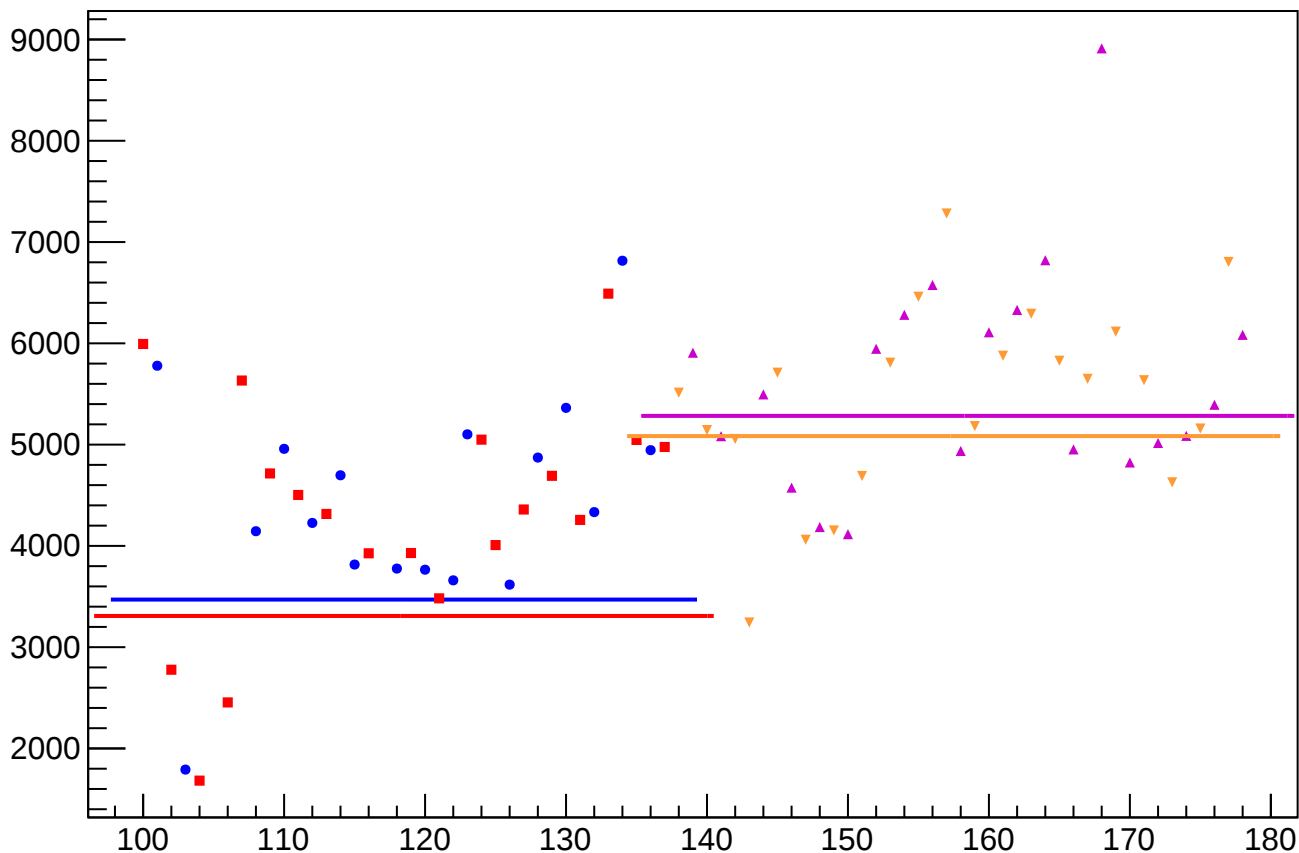
Left In: -2599.461+/-1363.204 χ^2/NDF : 12.5/19

+ sign 1692.797+/-972.192 χ^2/NDF : 41.0/37

All: -321.894+/-686.795 χ^2/NDF : 79.8/76

- sign -2329.006+/-970.361 χ^2/NDF : 30.2/38

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: 5084.128 $\pm$ 0.925 χ^2 /NDF: 1172545.7/20

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

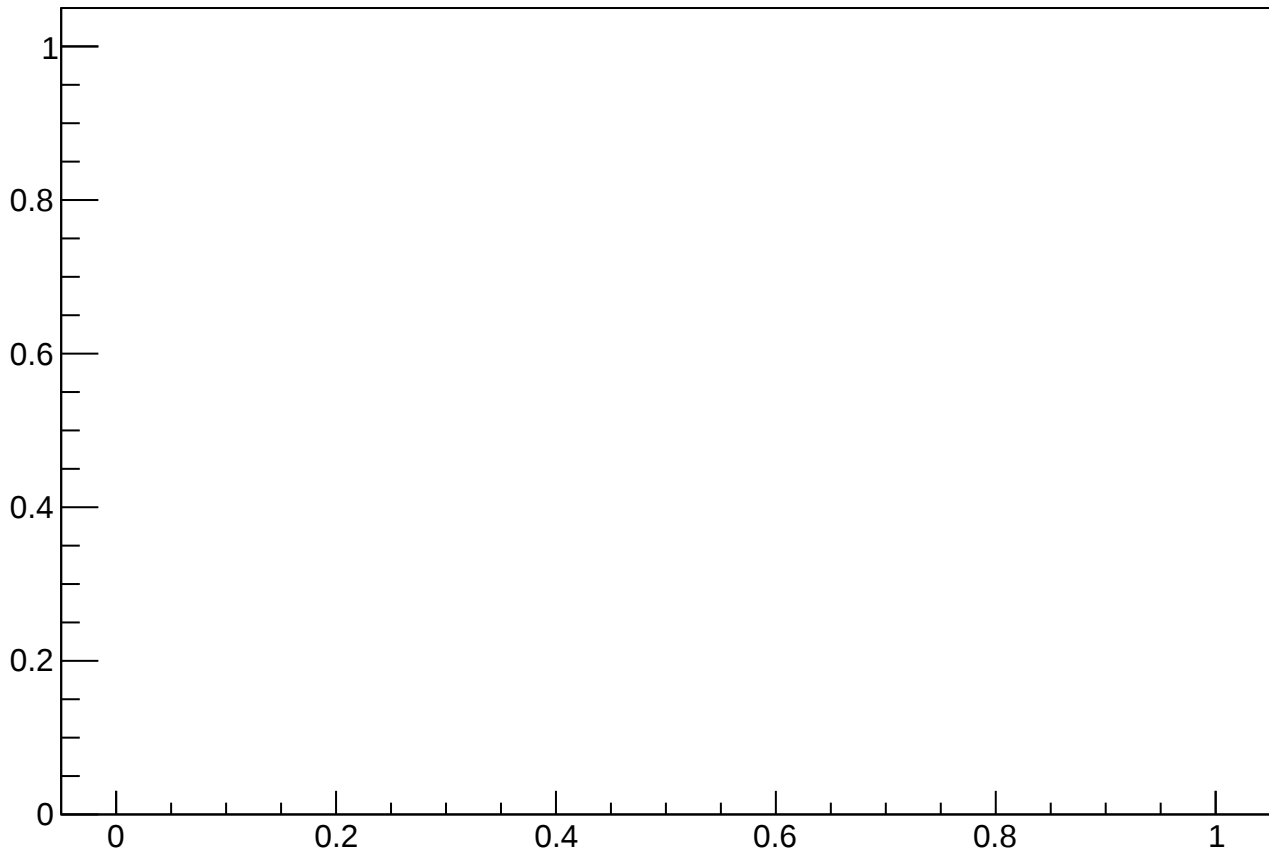
Left In: 5283.679 $\pm$ 0.964 χ^2 /NDF: 899294.9/19

+ sign 4361.166 $\pm$ 0.687 χ^2 /NDF: 4296699.0/37

All: 4330.446 $\pm$ 0.485 χ^2 /NDF: 9201832.6/70

- sign 4300.119 $\pm$ 0.683 χ^2 /NDF: 4901165.1/38

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

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

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

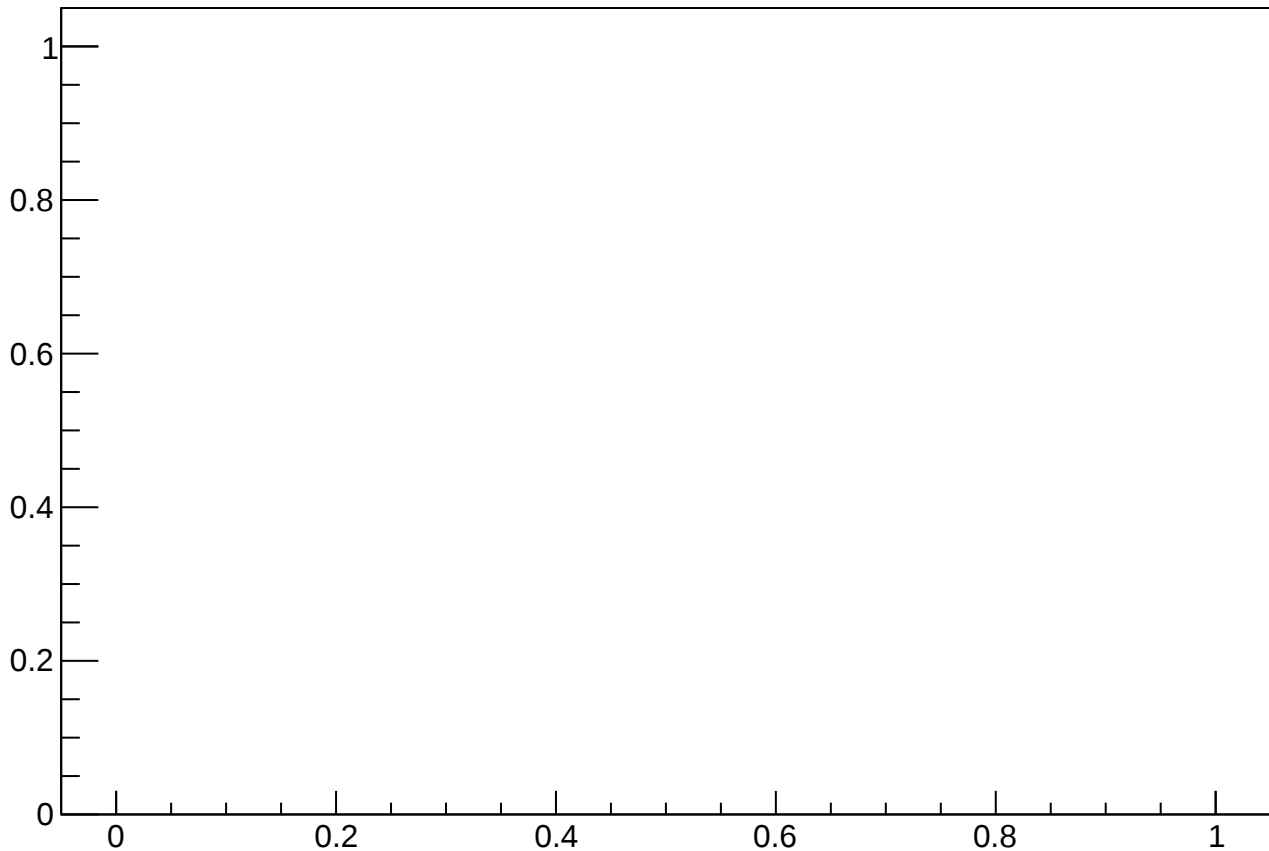
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



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

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

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

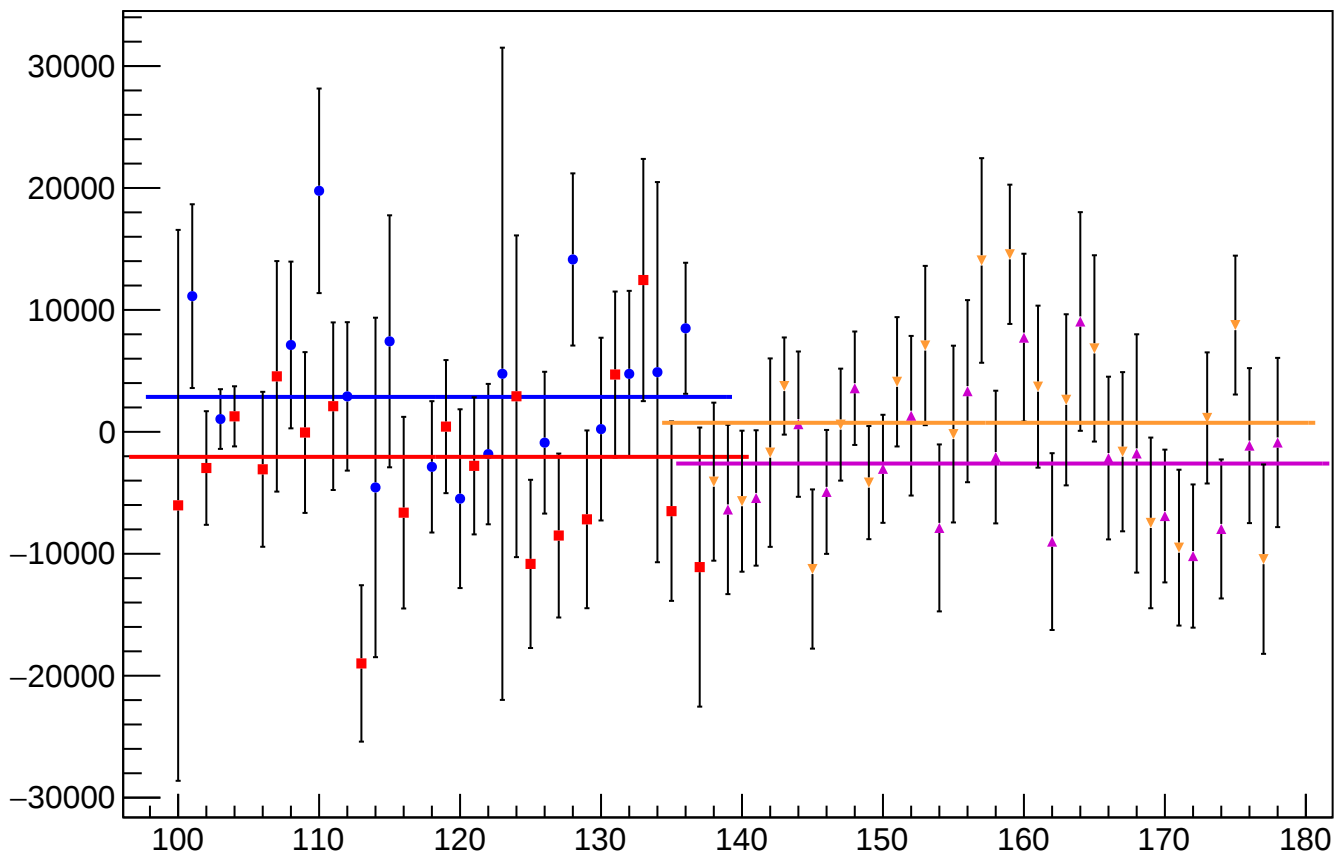
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: 742.030 $\pm$ 1308.403 χ^2 /NDF:25.7/20

Right Out: -2051.211 $\pm$ 1381.577 χ^2 /NDF: 17.7/18

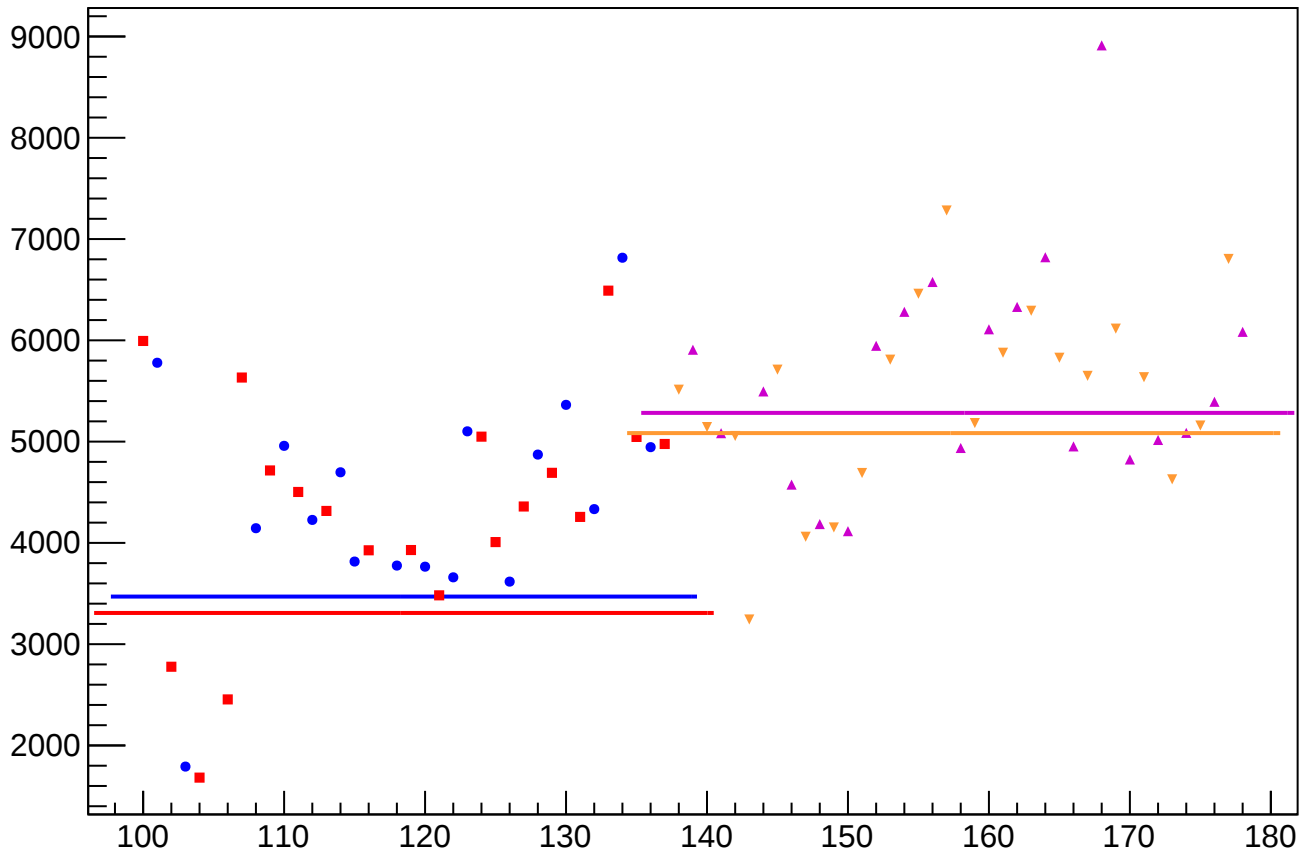
Left In: -2599.461 $\pm$ 1363.204 χ^2 /NDF:12.5/19

+ sign 1692.797 $\pm$ 972.192 χ^2 /NDF: 41.0/37

All: -321.894 $\pm$ 686.795 χ^2 /NDF: 79.8/76

- sign -2329.006 $\pm$ 970.361 χ^2 /NDF: 30.2/38

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 5084.128+/-0.925 χ^2/NDF : 1172545.7/20

Right Out: 3308.243+/-0.968 χ^2/NDF : 1910782.0/18

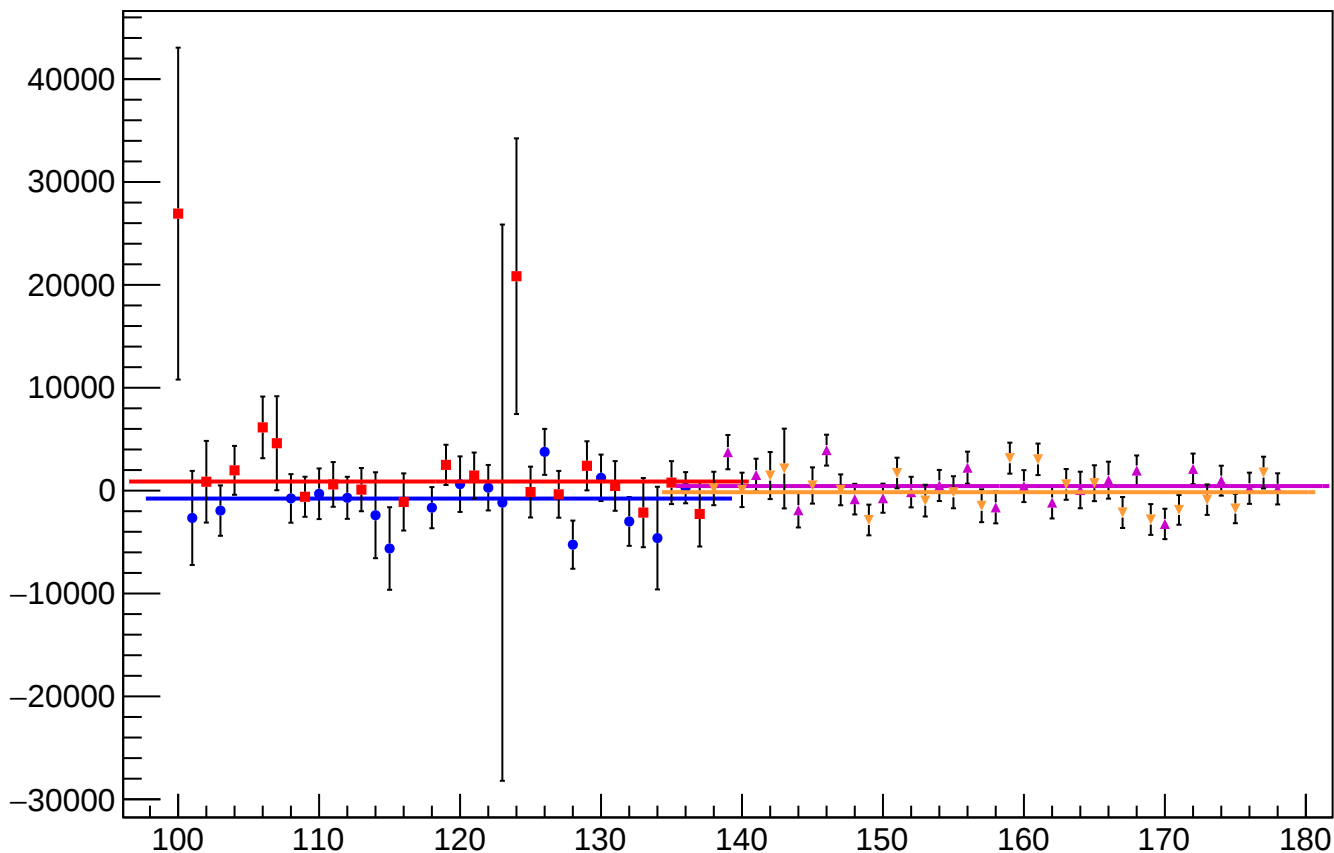
Left In: 5283.679+/-0.964 χ^2/NDF : 899294.9/19

+ sign 4361.166+/-0.687 χ^2/NDF : 4296699.0/37

All: 4330.446+/-0.485 χ^2/NDF : 9201832.6/70

- sign 4300.119+/-0.683 χ^2/NDF : 4901165.1/38

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -151.044+/-347.800 χ^2/NDF : 25.9/20

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

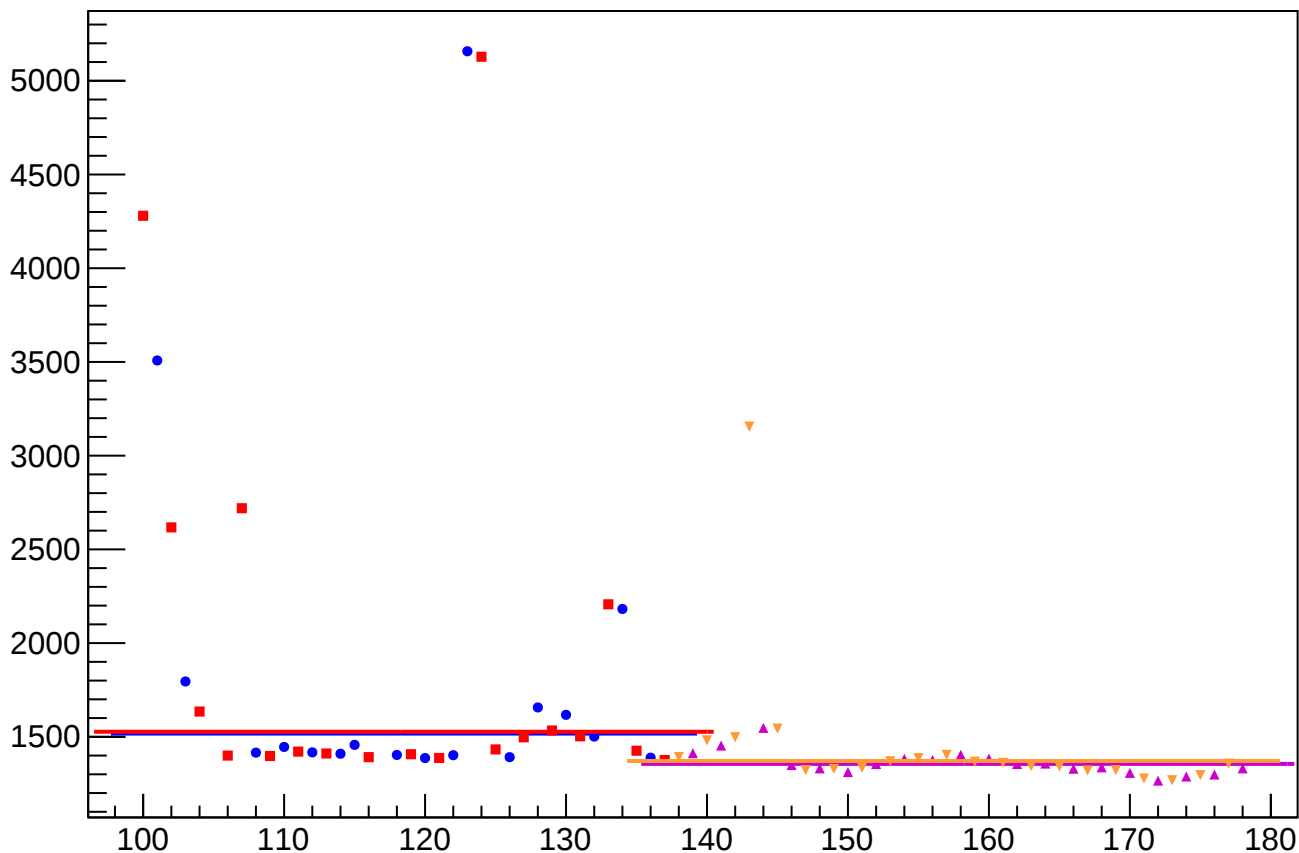
Left In: 443.916+/-344.895 χ^2/NDF : 26.4/19

+ sign -305.577+/-301.363 χ^2/NDF : 40.0/37

All: 128.903+/-212.039 χ^2/NDF : 84.3/76

- sign 554.869+/-298.396 χ^2/NDF : 40.3/38

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1371.138+/-0.246 χ^2/NDF : 493637.2/20

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

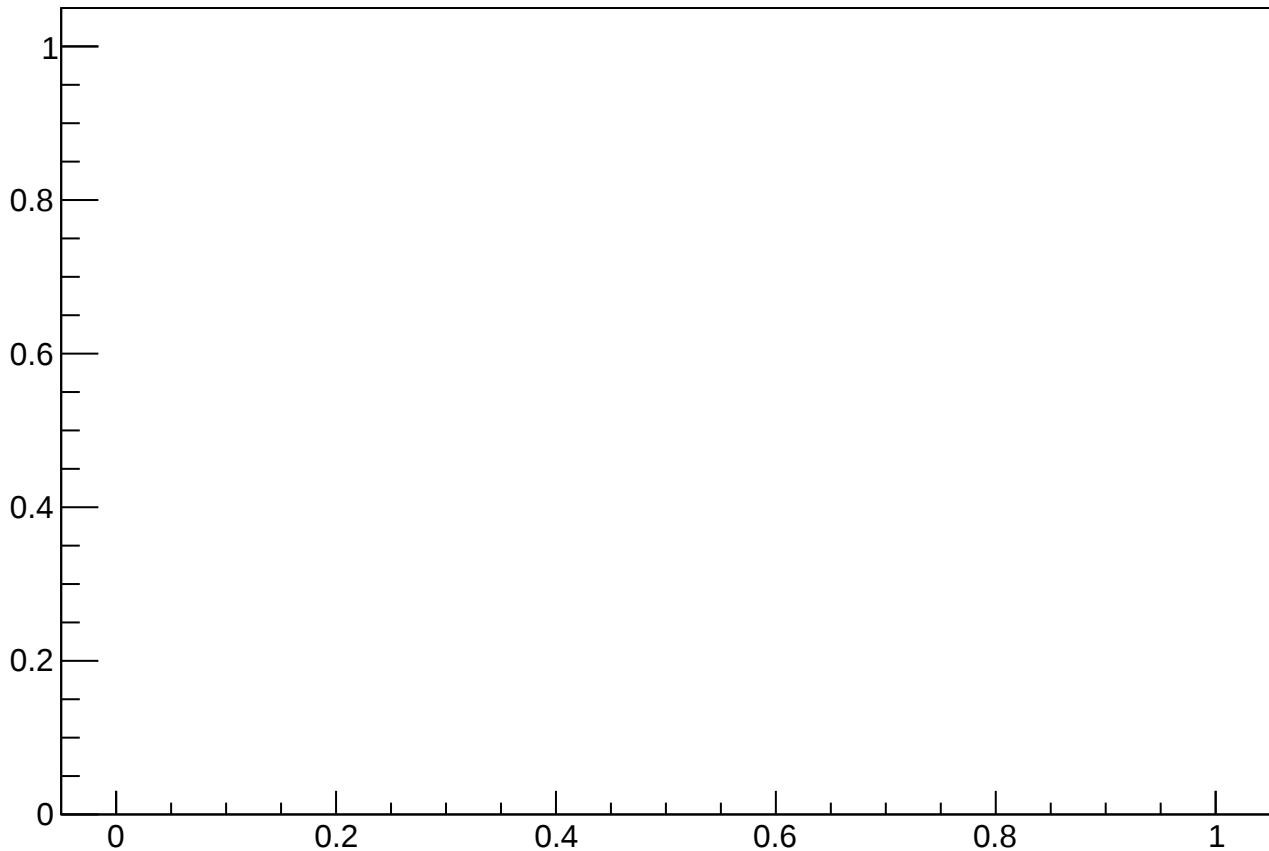
Left In: 1355.588+/-0.244 χ^2/NDF : 59919.8/19

+ sign 1407.571+/-0.213 χ^2/NDF : 1118364.2/37

All: 1403.088+/-0.150 χ^2/NDF : 1935079.4/70

- sign 1398.694+/-0.211 χ^2/NDF : 815839.0/38

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

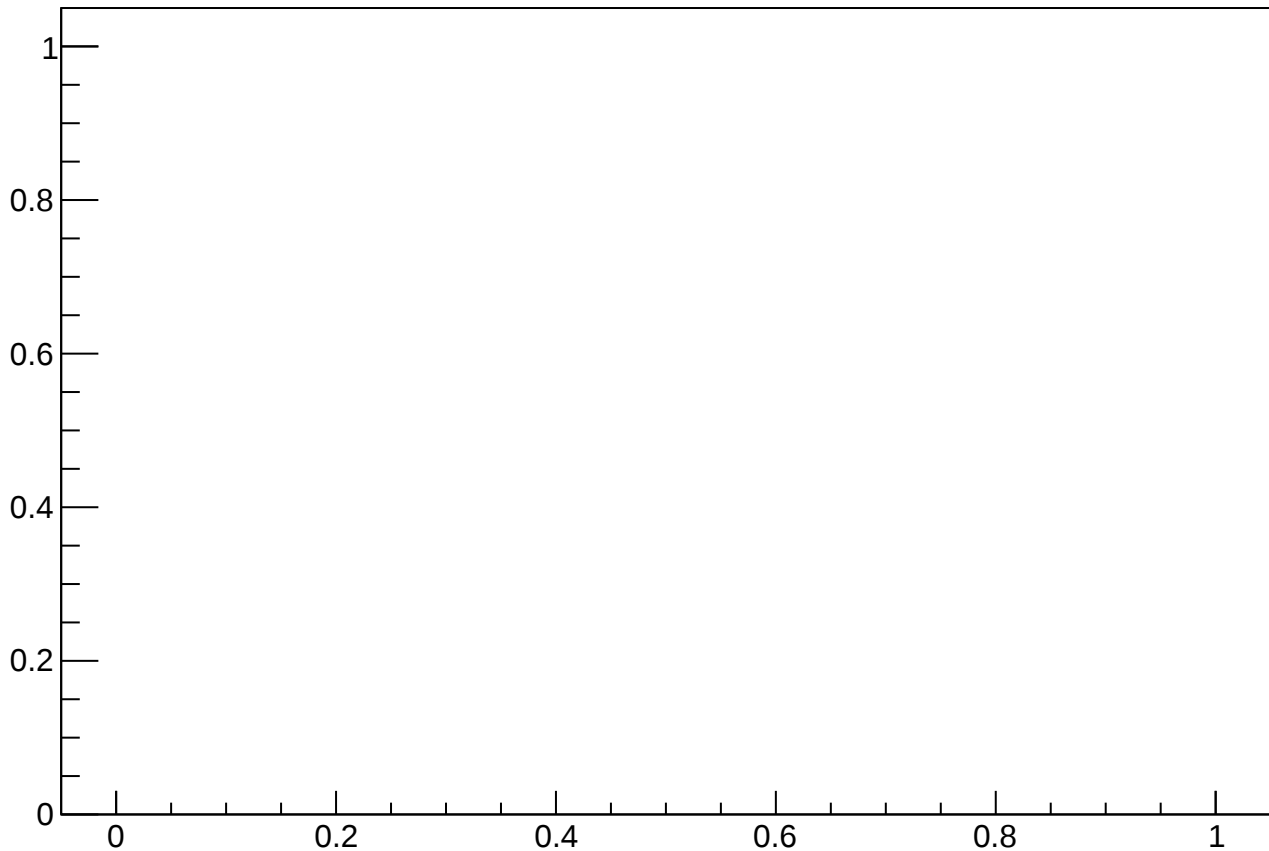
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ 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

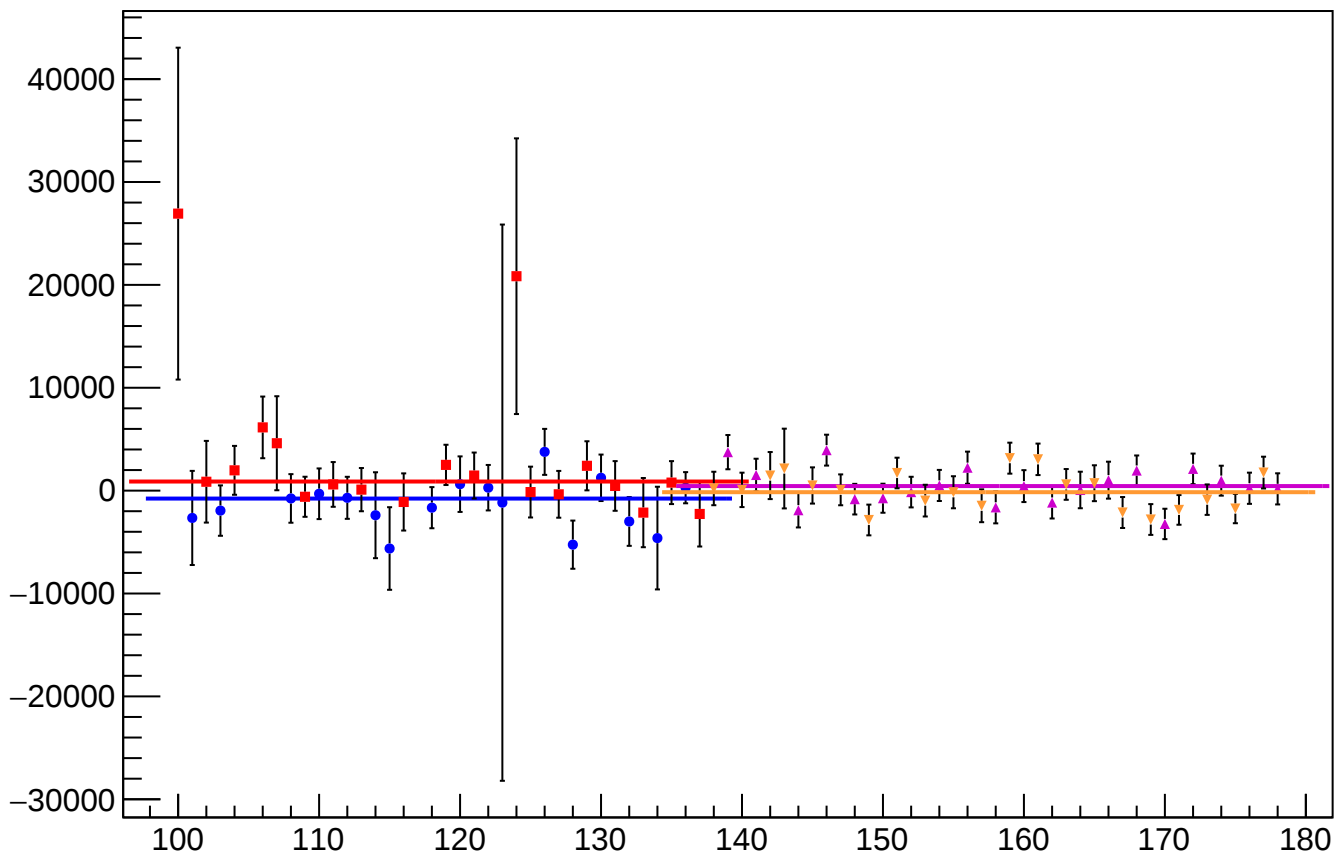
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: -151.044+/-347.800 χ^2/NDF : 25.9/20

Right Out: 885.145+/-595.053 χ^2/NDF : 13.5/18

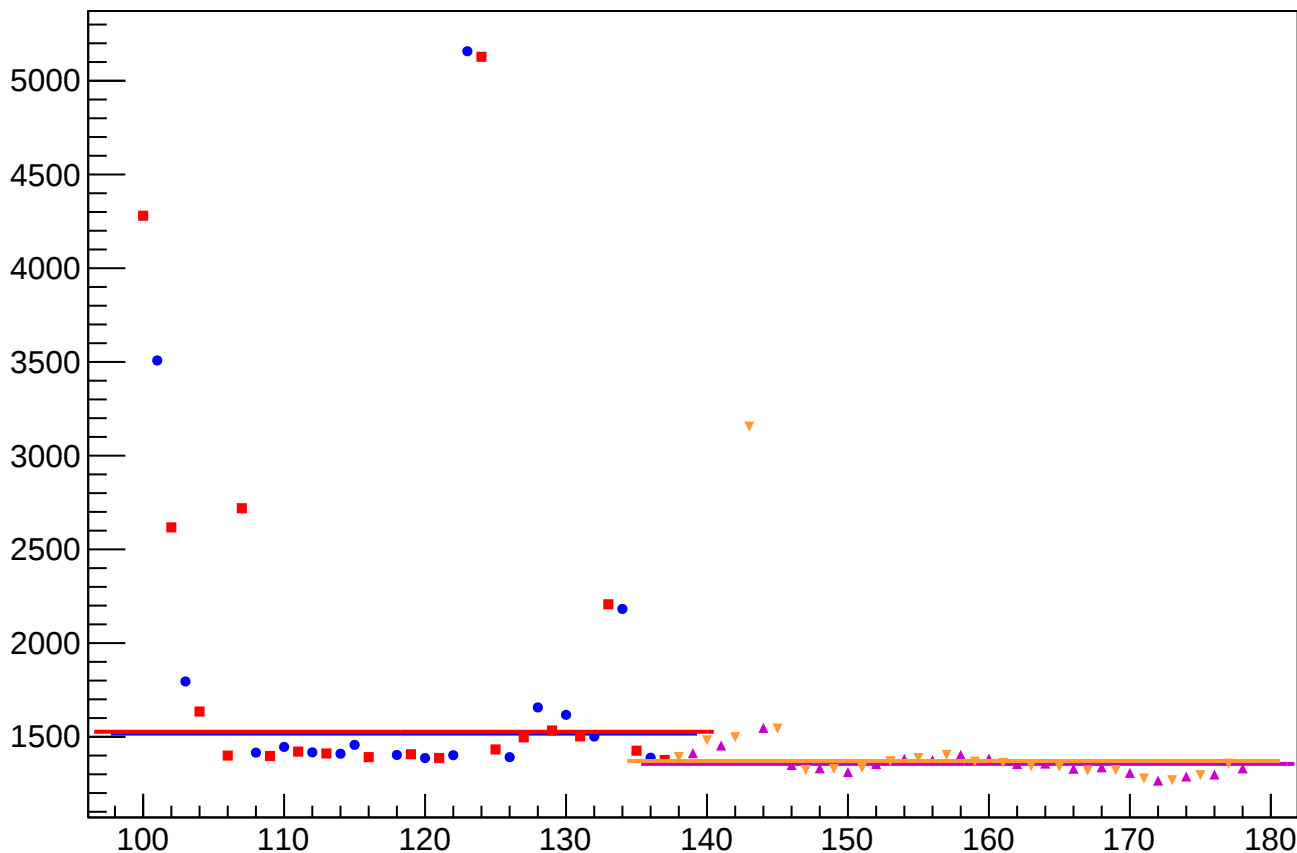
Left In: 443.916+/-344.895 χ^2/NDF : 26.4/19

+ sign -305.577+/-301.363 χ^2/NDF : 40.0/37

All: 128.903+/-212.039 χ^2/NDF : 84.3/76

- sign 554.869+/-298.396 χ^2/NDF : 40.3/38

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1371.138+/-0.246 χ^2/NDF : 493637.2/20

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

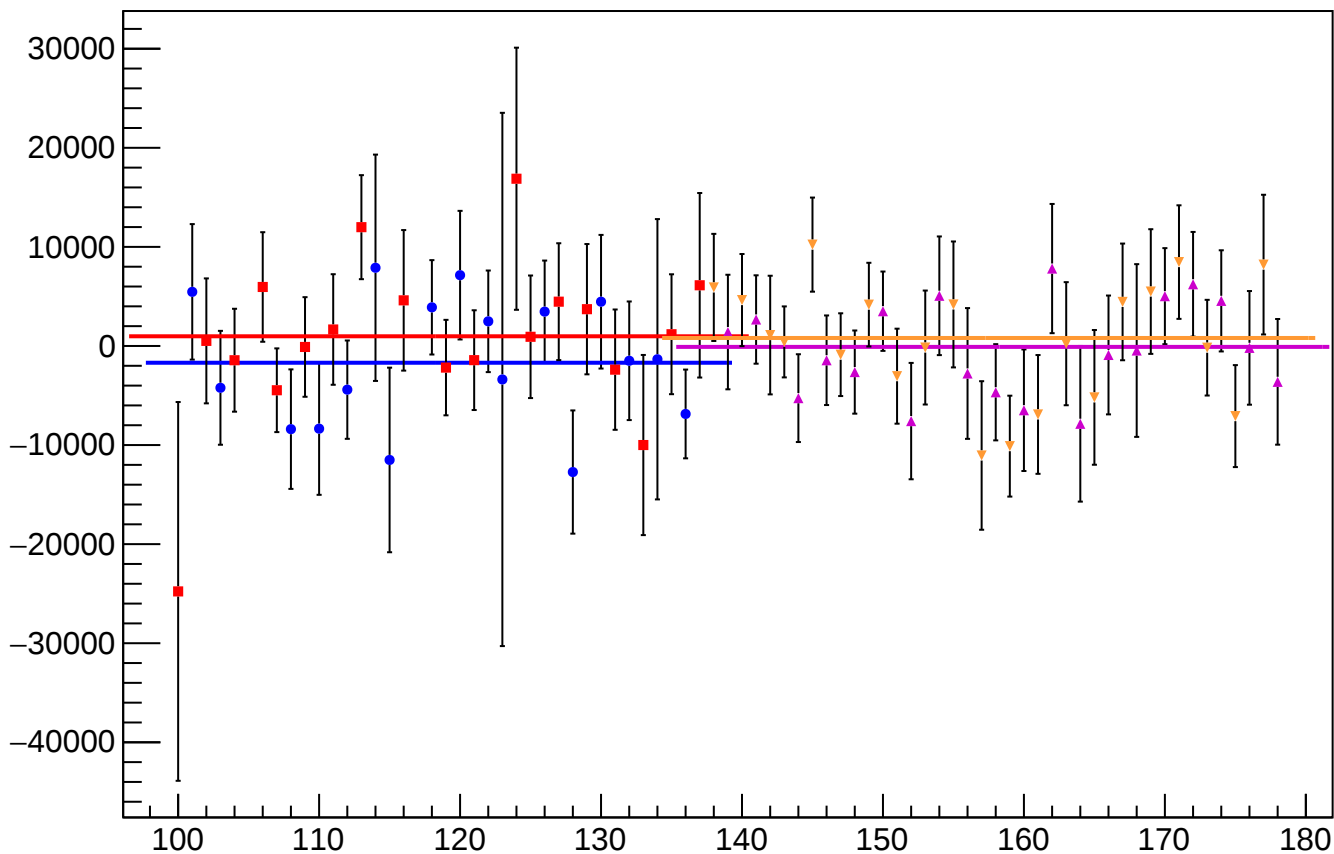
Left In: 1355.588+/-0.244 χ^2/NDF : 59919.8/19

+ sign 1407.571+/-0.213 χ^2/NDF : 1118364.2/37

All: 1403.088+/-0.150 χ^2/NDF : 1935079.4/70

- sign 1398.694+/-0.211 χ^2/NDF : 815839.0/38

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 806.857 ± 1147.347 $\chi^2/\text{NDF}: 23.0/20$

Right Out: 977.899 ± 1378.874 $\chi^2/\text{NDF}: 13.9/18$

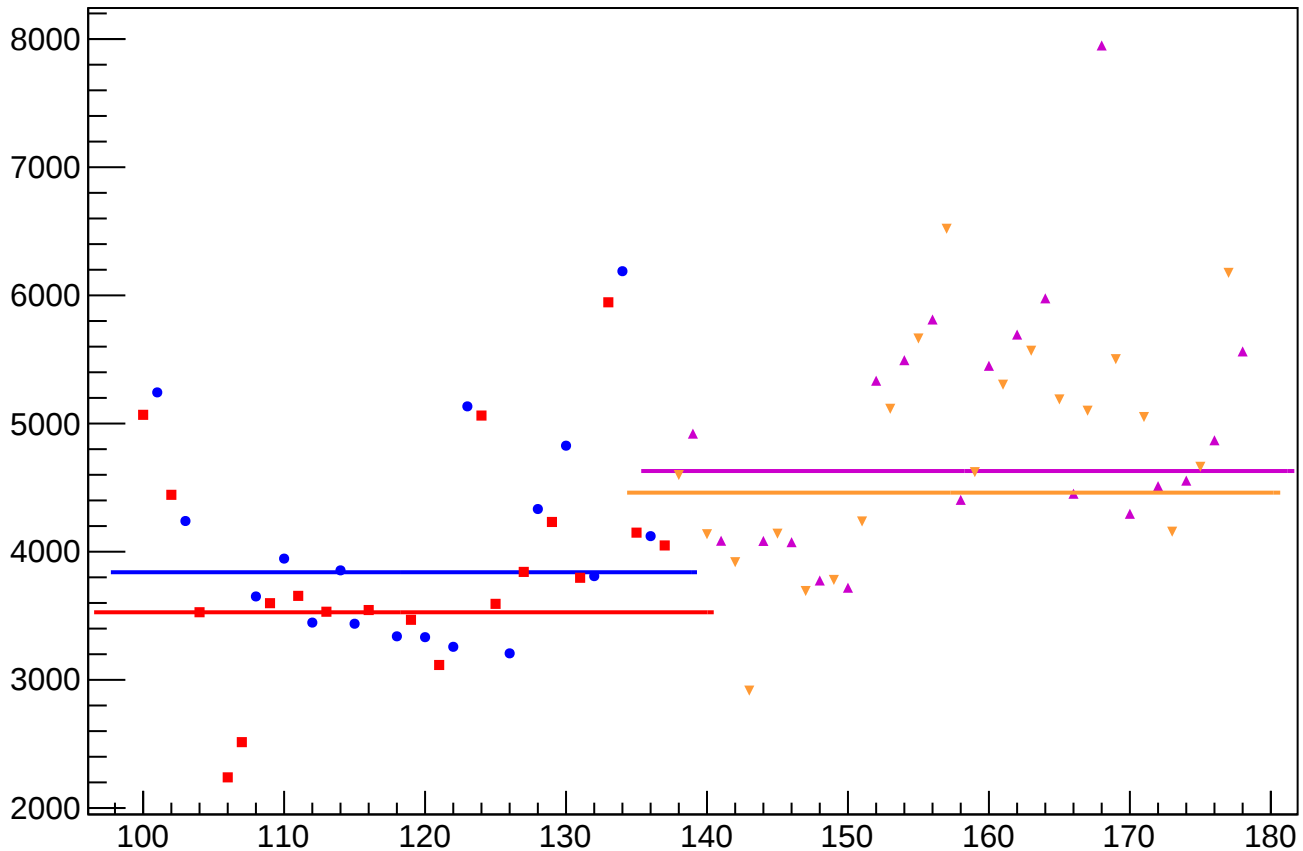
Left In: -92.418 ± 1194.517 $\chi^2/\text{NDF}: 13.7/19$

+ sign -105.752 ± 914.197 $\chi^2/\text{NDF}: 40.6/37$

All: 133.300 ± 642.385 $\chi^2/\text{NDF}: 68.8/76$

- sign 366.455 ± 902.848 $\chi^2/\text{NDF}: 28.0/38$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4460.832+/-0.811 χ^2/NDF :1137770.4/20

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

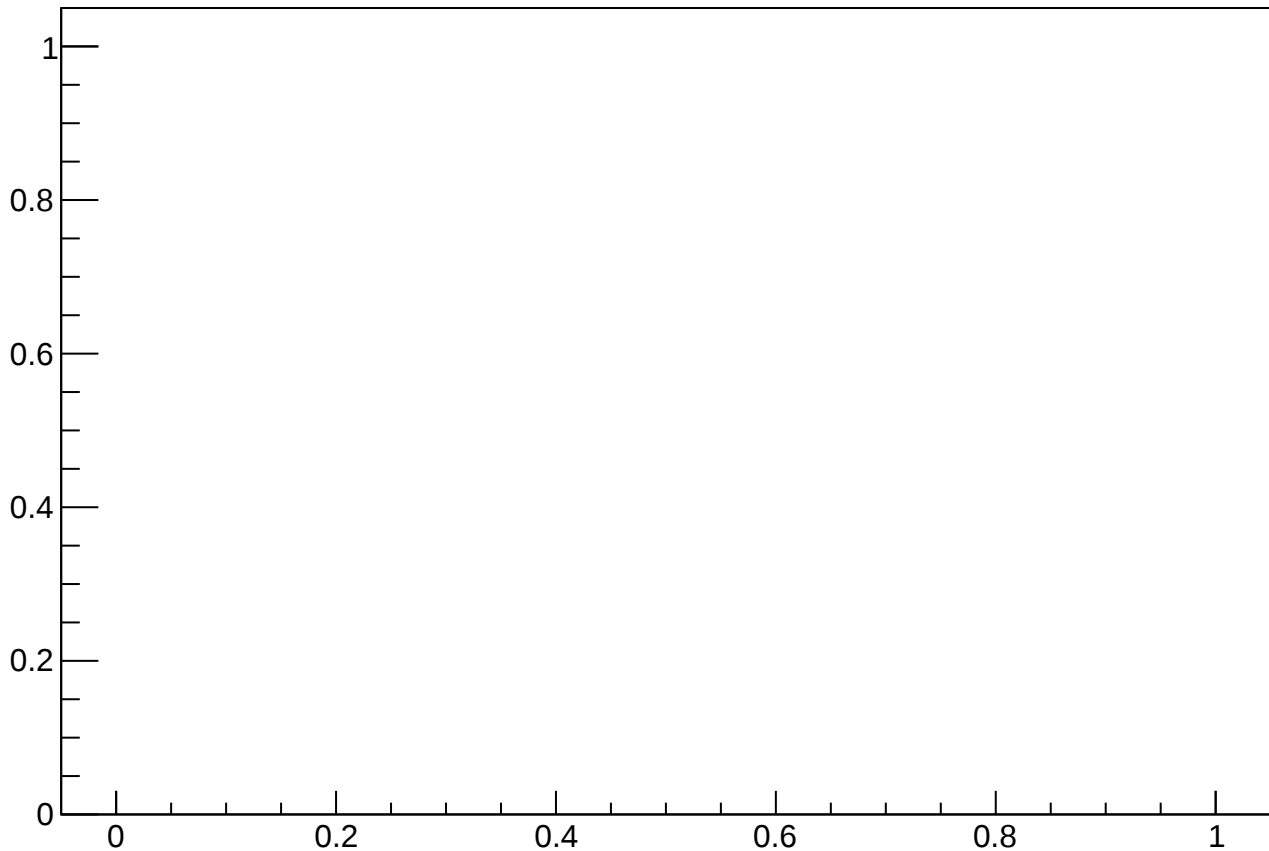
Left In: 4629.521+/-0.845 χ^2/NDF :918356.7/19

+ sign 4234.054+/-0.646 χ^2/NDF : 1677717.7/37

All: 4192.375+/-0.453 χ^2/NDF : 3896706.2/70

- sign 4152.043+/-0.636 χ^2/NDF : 2210808.6/38

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



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

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

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

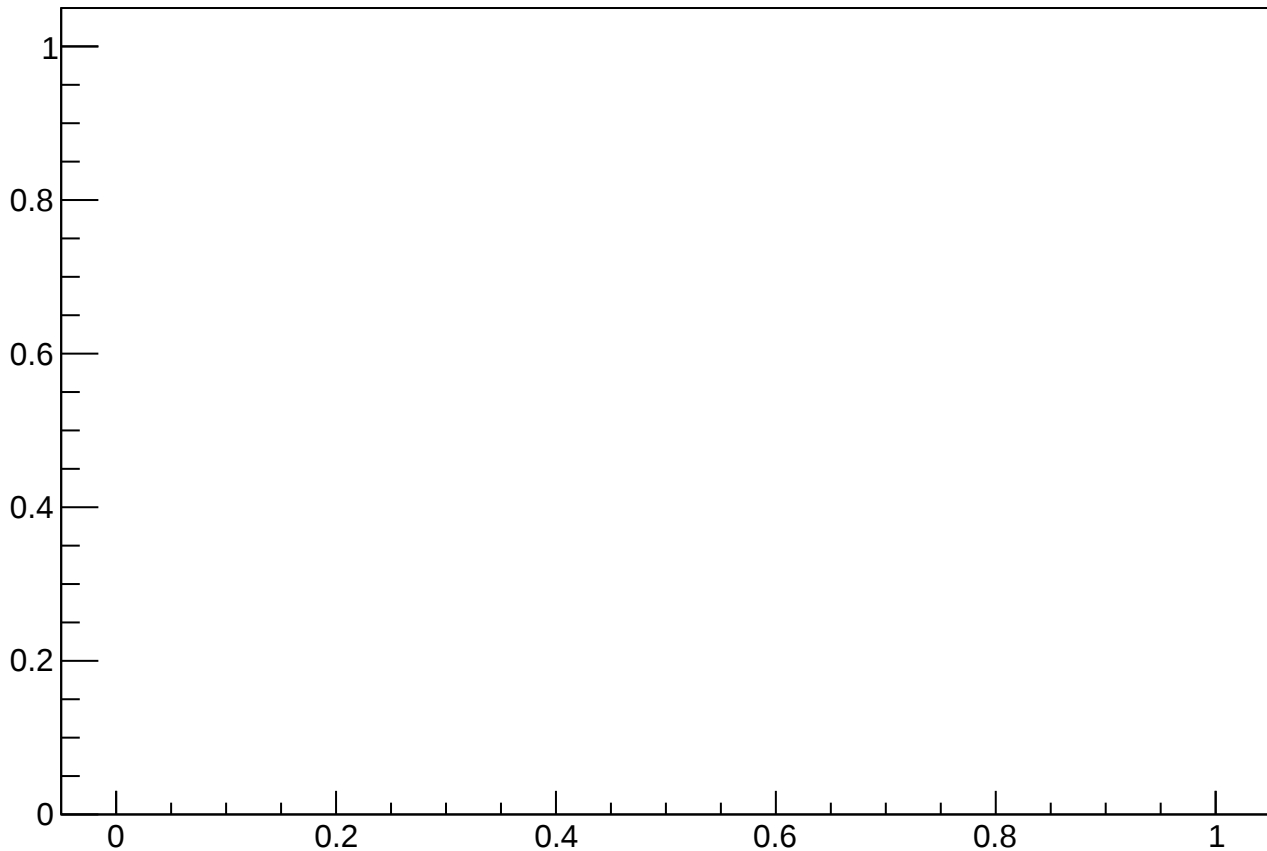
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



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

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

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

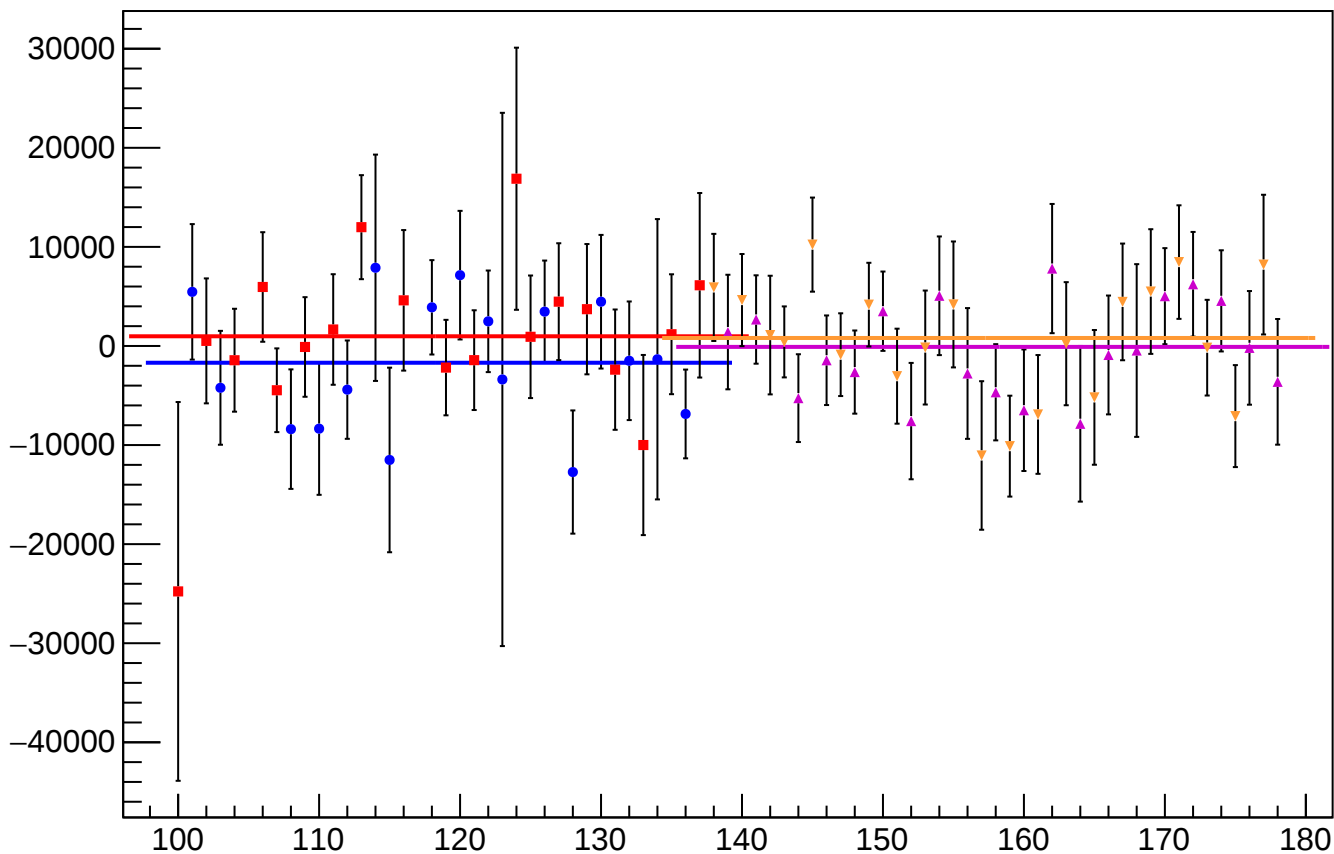
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

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

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

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 806.857 ± 1147.347 $\chi^2/\text{NDF}: 23.0/20$

Right Out: 977.899 ± 1378.874 $\chi^2/\text{NDF}: 13.9/18$

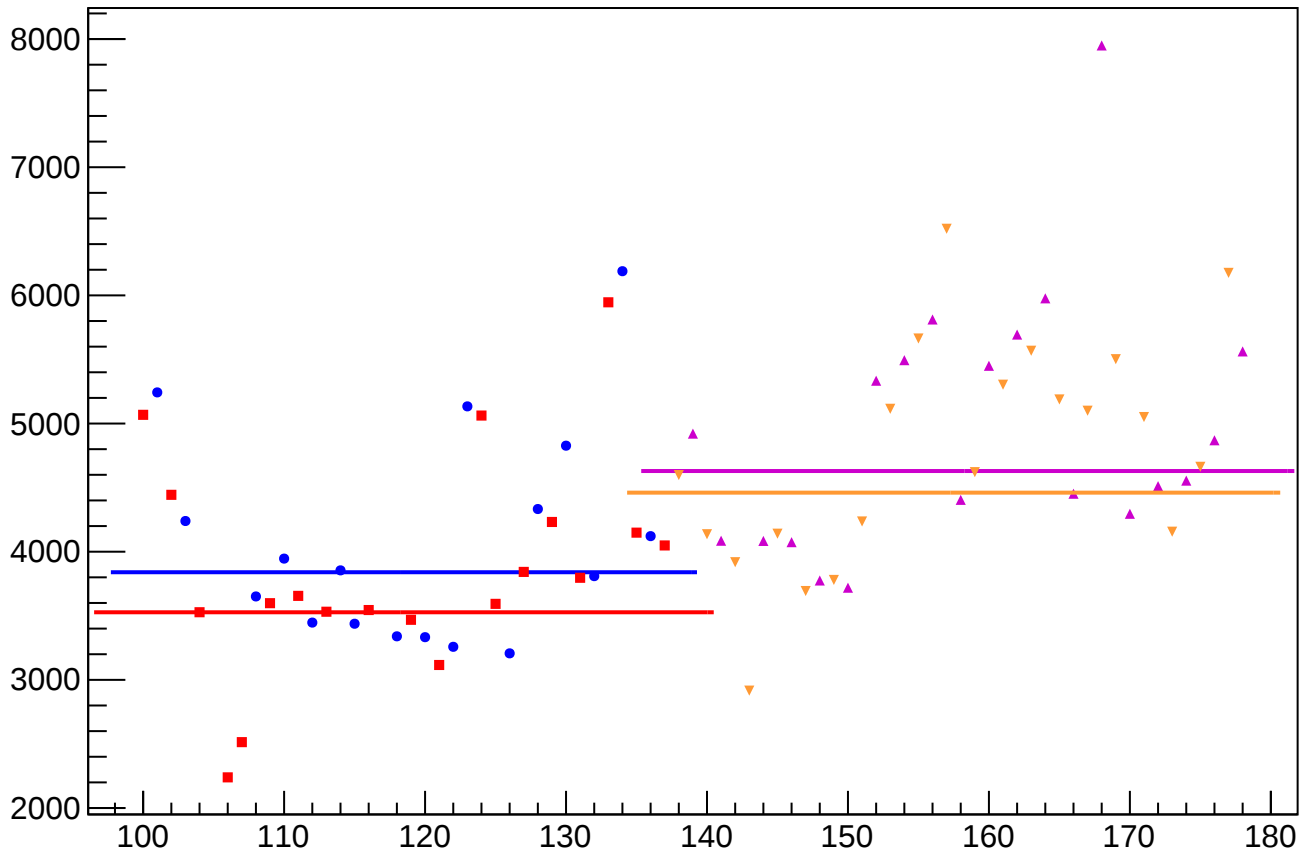
Left In: -92.418 ± 1194.517 $\chi^2/\text{NDF}: 13.7/19$

+ sign -105.752 ± 914.197 $\chi^2/\text{NDF}: 40.6/37$

All: 133.300 ± 642.385 $\chi^2/\text{NDF}: 68.8/76$

- sign 366.455 ± 902.848 $\chi^2/\text{NDF}: 28.0/38$

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4460.832+/-0.811 χ^2/NDF : 1137770.4/20

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

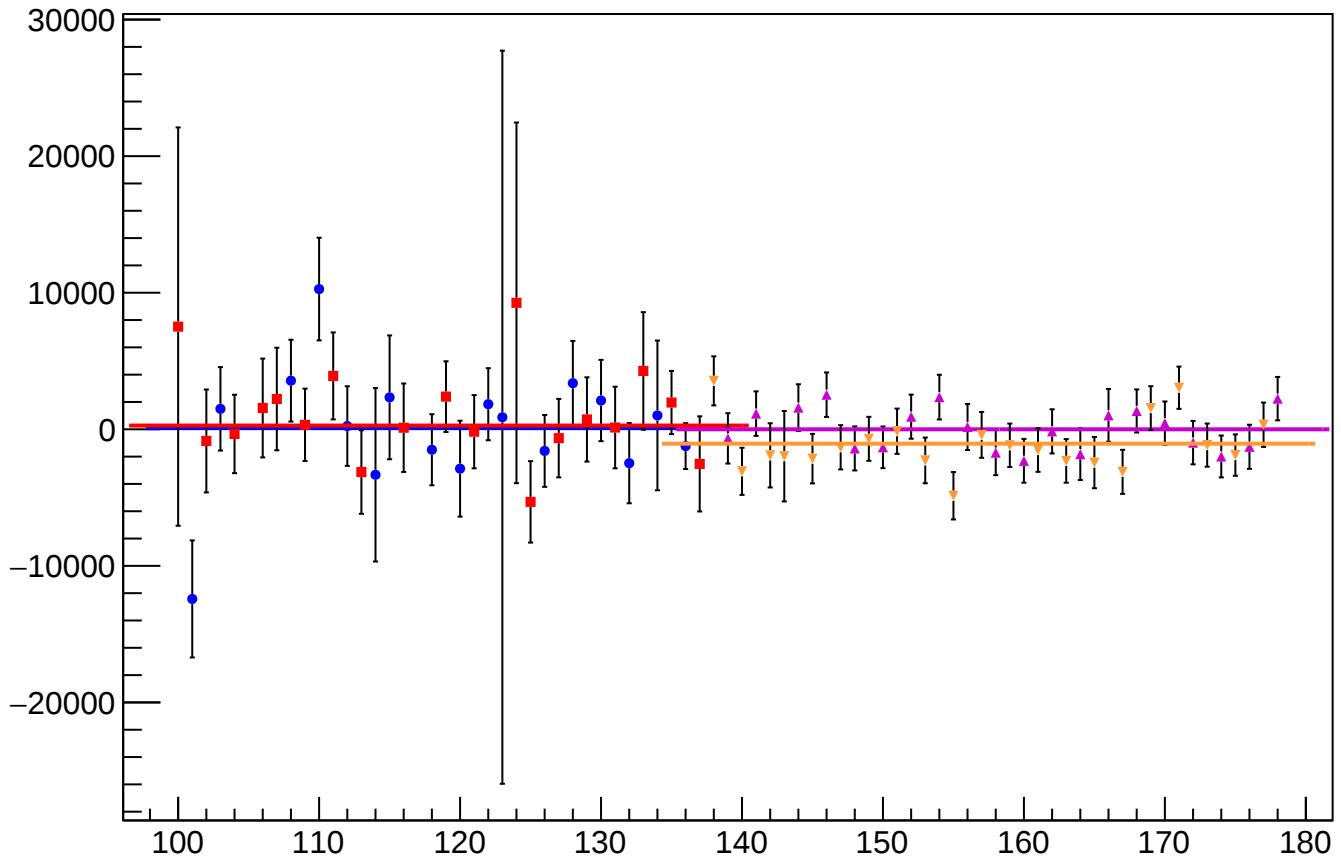
Left In: 4629.521+/-0.845 χ^2/NDF : 918356.7/19

+ sign 4234.054+/-0.646 χ^2/NDF : 1677717.7/37

All: 4192.375+/-0.453 χ^2/NDF : 3896706.2/70

- sign 4152.043+/-0.636 χ^2/NDF : 2210808.6/38

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1052.742+/-370.988 χ^2/NDF : 28.0/20

Right Out: 272.707+/-734.115 χ^2/NDF : 10.2/18

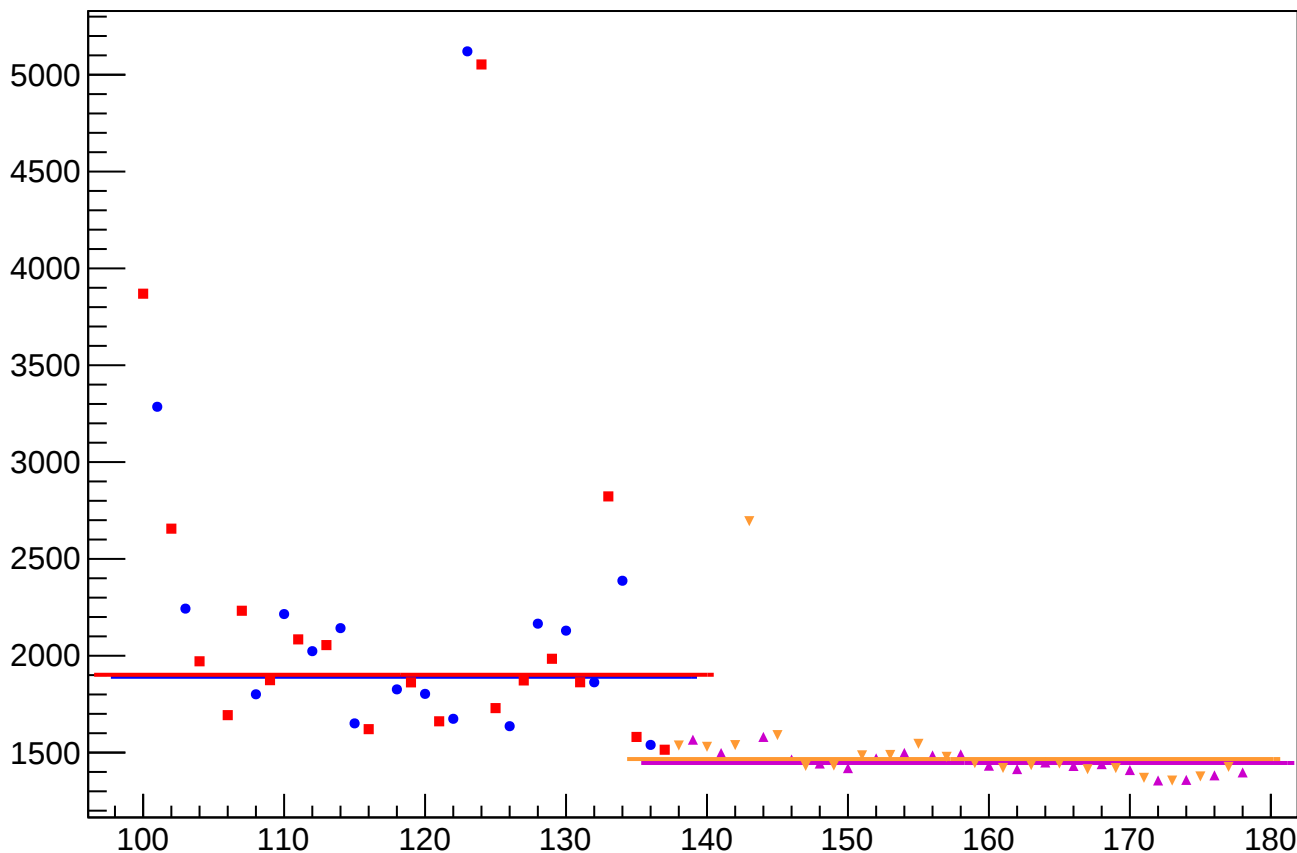
Left In: -1.516+/-367.804 χ^2/NDF : 17.7/19

+ sign -829.571+/-332.578 χ^2/NDF : 52.7/37

All: -383.041+/-233.835 χ^2/NDF : 84.2/76

- sign 53.507+/-328.840 χ^2/NDF : 27.9/38

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2 /NDF: 464497.5/16

Left Out: 1466.614+/-0.262 χ^2 /NDF: 331607.4/20

Right Out: 1901.797+/-0.519 χ^2 /NDF: 460687.3/18

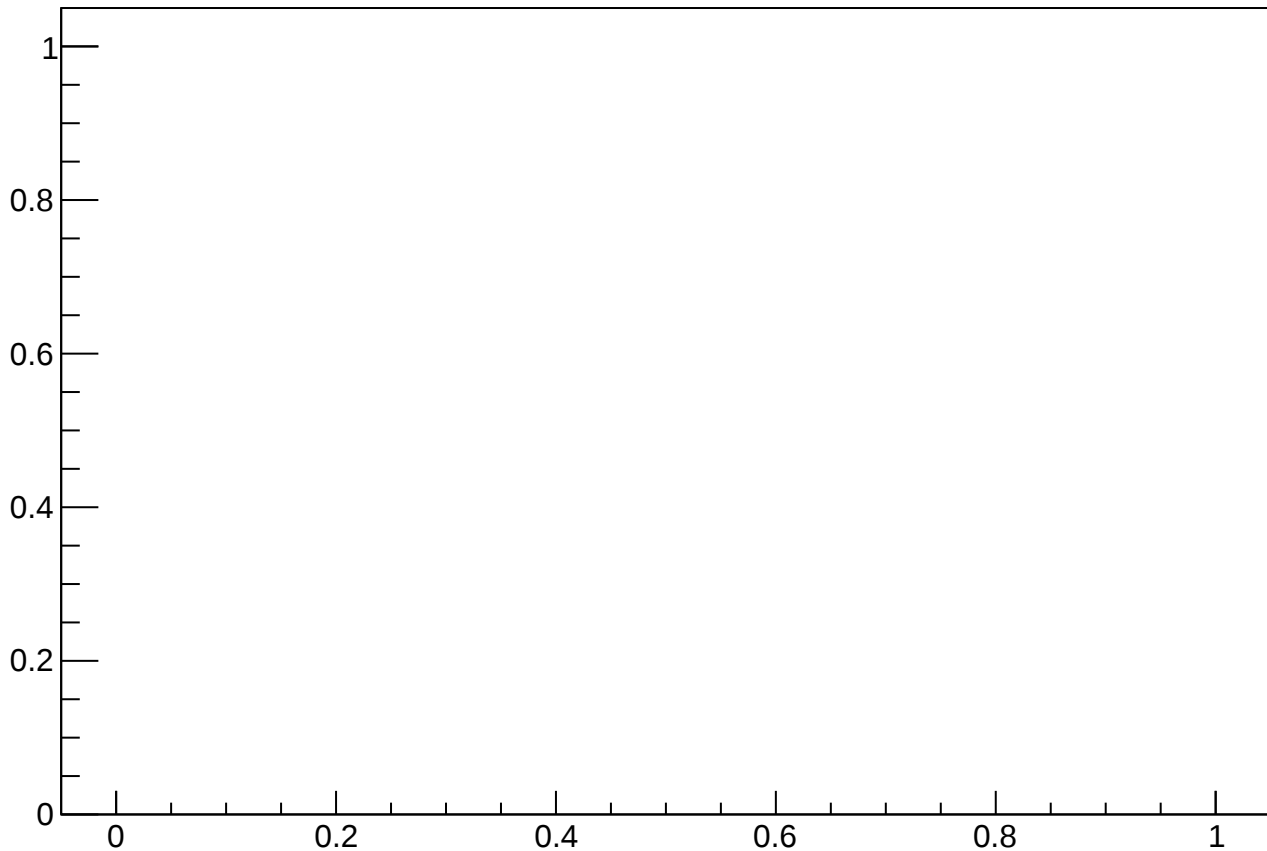
Left In: 1446.276+/-0.260 χ^2 /NDF: 48761.7/19

+ sign 1550.039+/-0.235 χ^2 /NDF: 1311182.5/37

All: 1543.789+/-0.165 χ^2 /NDF: 2437582.7/70

- sign 1537.679+/-0.233 χ^2 /NDF: 1125003.3/38

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

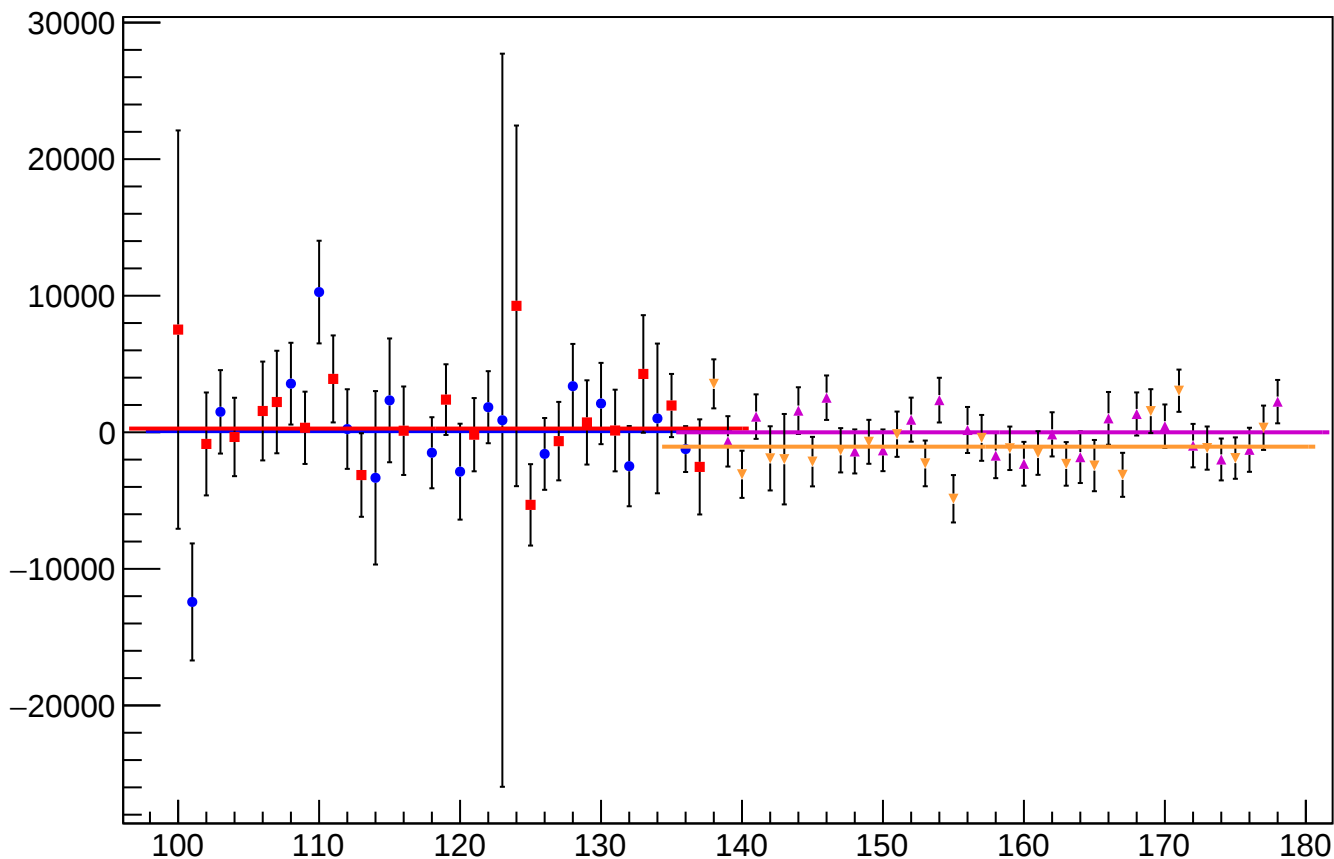
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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: -1052.742+/-370.988 χ^2/NDF : 28.0/20

Right Out: 272.707+/-734.115 χ^2/NDF : 10.2/18

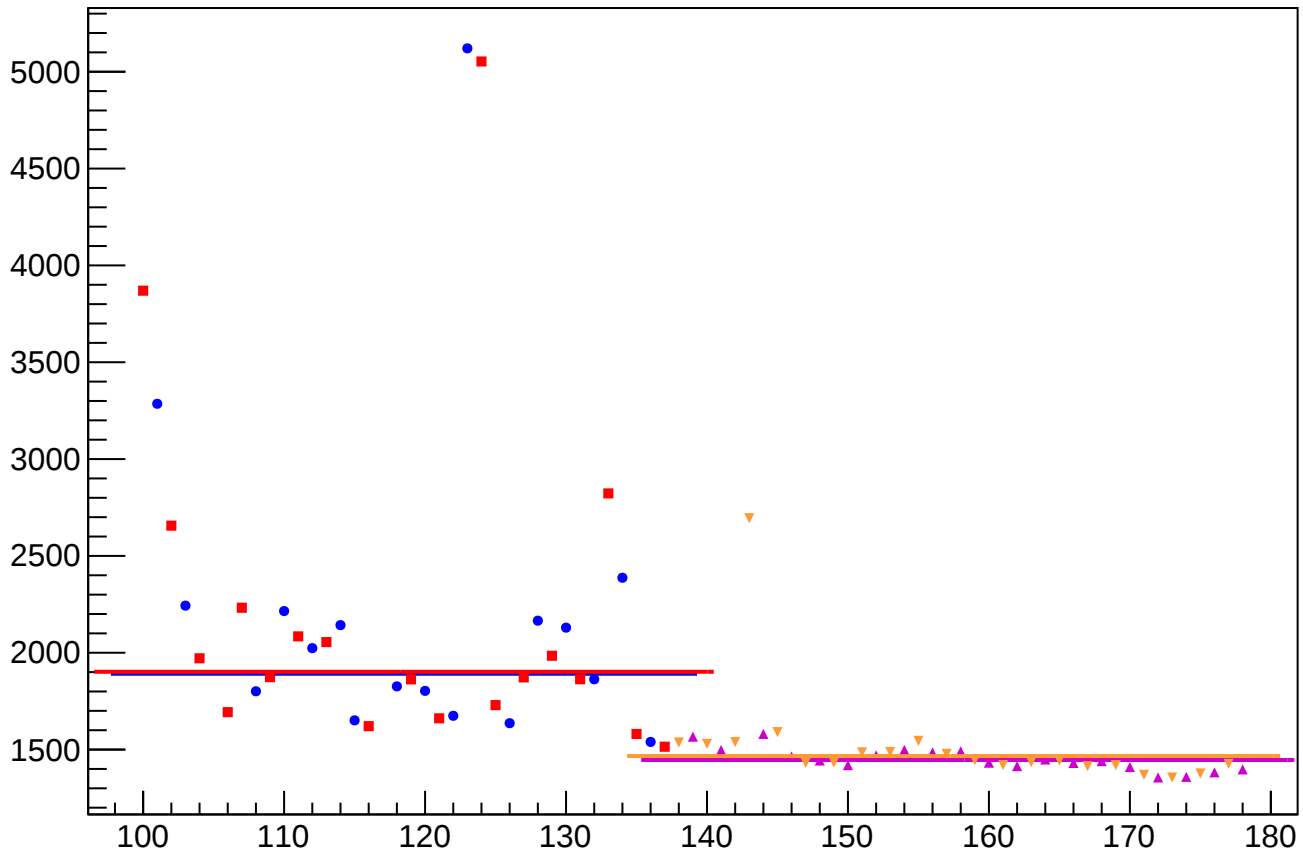
Left In: -1.516+/-367.804 χ^2/NDF : 17.7/19

+ sign -829.571+/-332.578 χ^2/NDF : 52.7/37

All: -383.041+/-233.835 χ^2/NDF : 84.2/76

- sign 53.507+/-328.840 χ^2/NDF : 27.9/38

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1466.614+/-0.262 χ^2/NDF : 331607.4/20

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

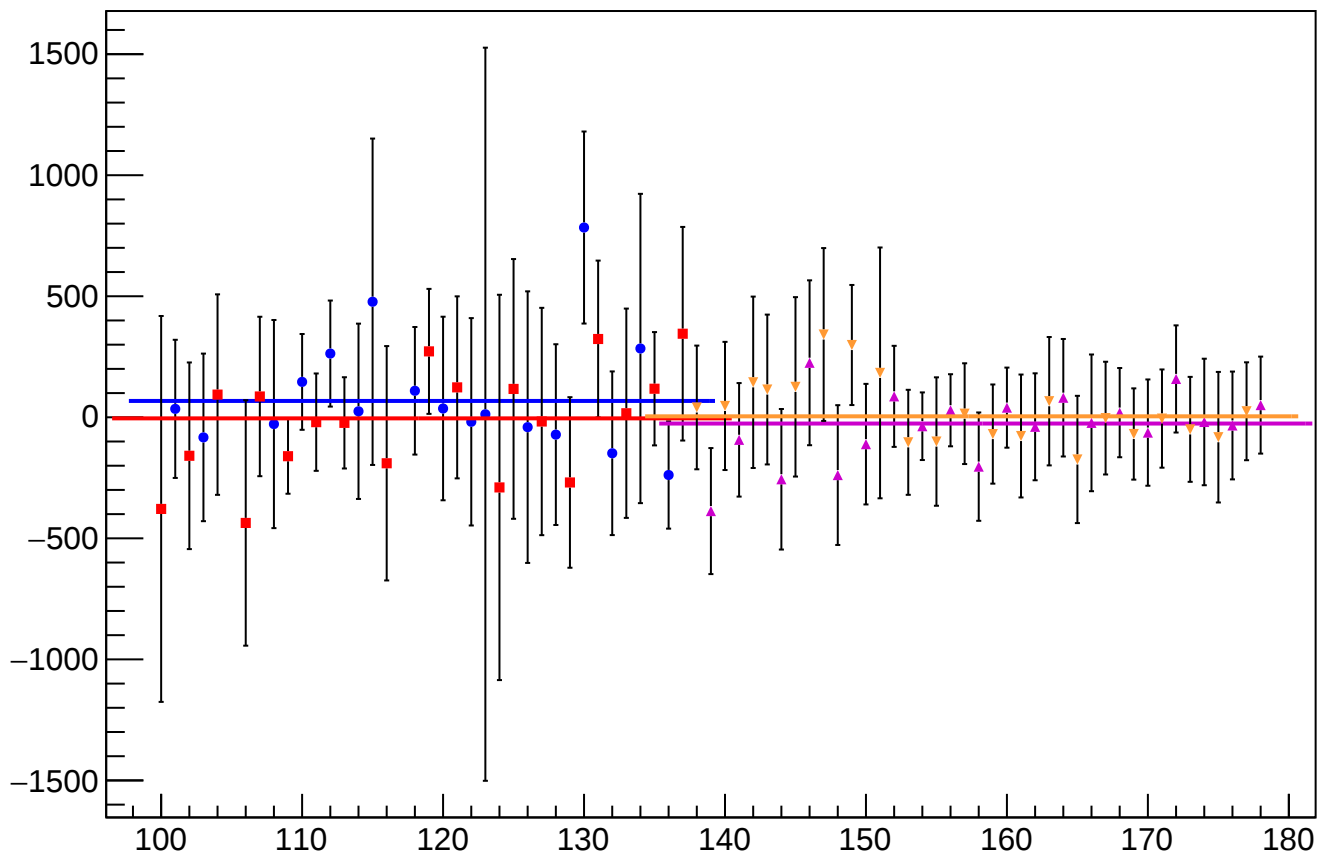
Left In: 1446.276+/-0.260 χ^2/NDF : 48761.7/19

+ sign 1550.039+/-0.235 χ^2/NDF : 1311182.5/37

All: 1543.789+/-0.165 χ^2/NDF : 2437582.7/70

- sign 1537.679+/-0.233 χ^2/NDF : 1125003.3/38

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: 4.023 ± 54.224 χ^2/NDF : 4.3/20

Right Out: -4.423 ± 70.009 χ^2/NDF : 6.4/18

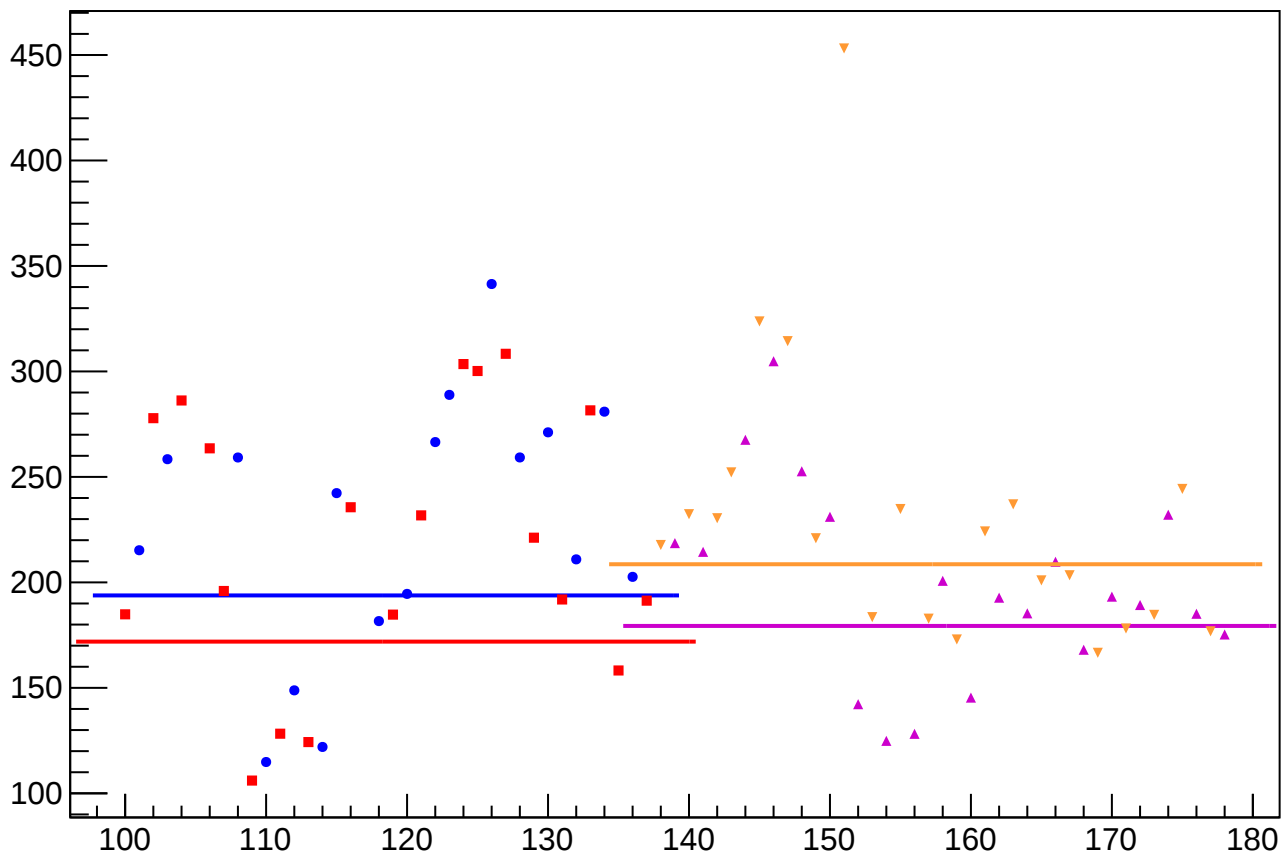
Left In: -25.825 ± 47.795 χ^2/NDF : 6.2/19

+ sign 24.153 ± 44.816 χ^2/NDF : 12.3/37

All: -0.159 ± 29.622 χ^2/NDF : 25.4/76

- sign -19.021 ± 39.474 χ^2/NDF : 12.6/38

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: 208.600 $\pm$ 0.038 χ^2 /NDF:1308732.4/20

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

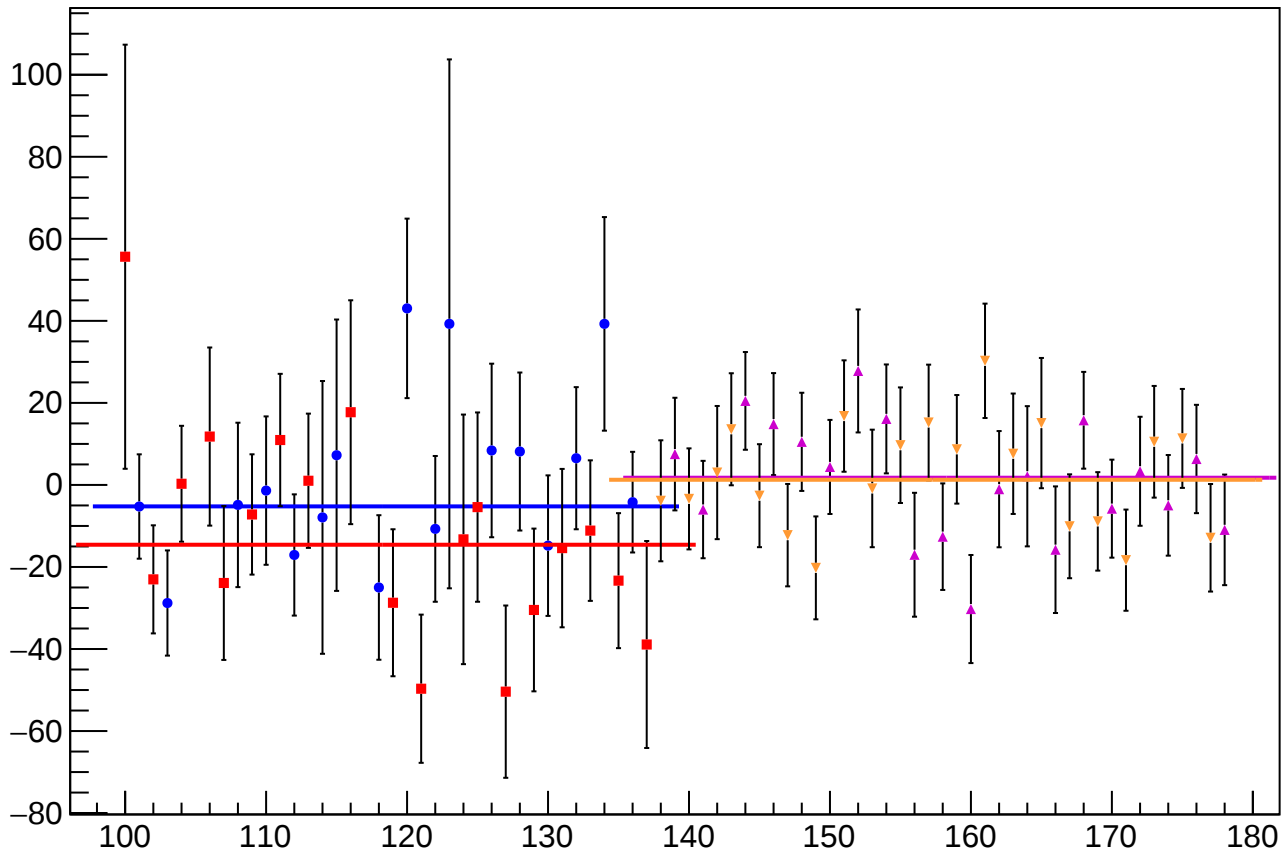
Left In: 179.356 $\pm$ 0.034 χ^2 /NDF:1602953.3/19

+ sign 203.914 $\pm$ 0.032 χ^2 /NDF: 2366177.0/37

All: 188.754 $\pm$ 0.021 χ^2 /NDF: 5968030.6/76

- sign 176.992 $\pm$ 0.028 χ^2 /NDF: 3195419.5/38

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 $\pm$ 4.356 χ^2/NDF : 15.5/16

Left Out: 1.258 $\pm$ 2.922 χ^2/NDF : 19.9/20

Right Out: -14.579 $\pm$ 4.265 χ^2/NDF : 19.5/18

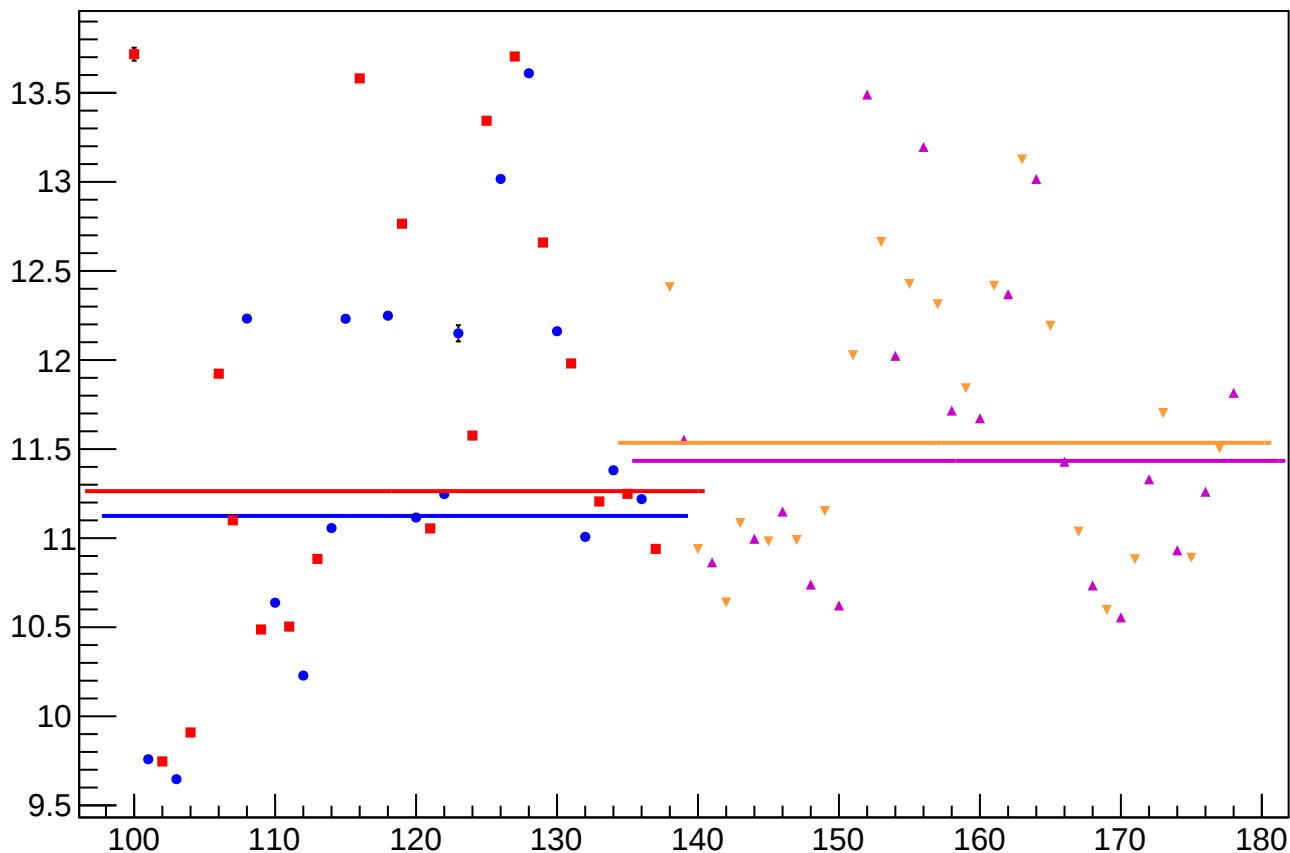
Left In: 1.759 $\pm$ 2.923 χ^2/NDF : 22.1/19

+ sign -0.756 $\pm$ 2.427 χ^2/NDF : 36.9/37

All: -2.118 $\pm$ 1.710 χ^2/NDF : 89.2/76

- sign -3.462 $\pm$ 2.411 χ^2/NDF : 51.6/38

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.535 $\pm$ 0.002 χ^2 /NDF: 121576.3/20

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

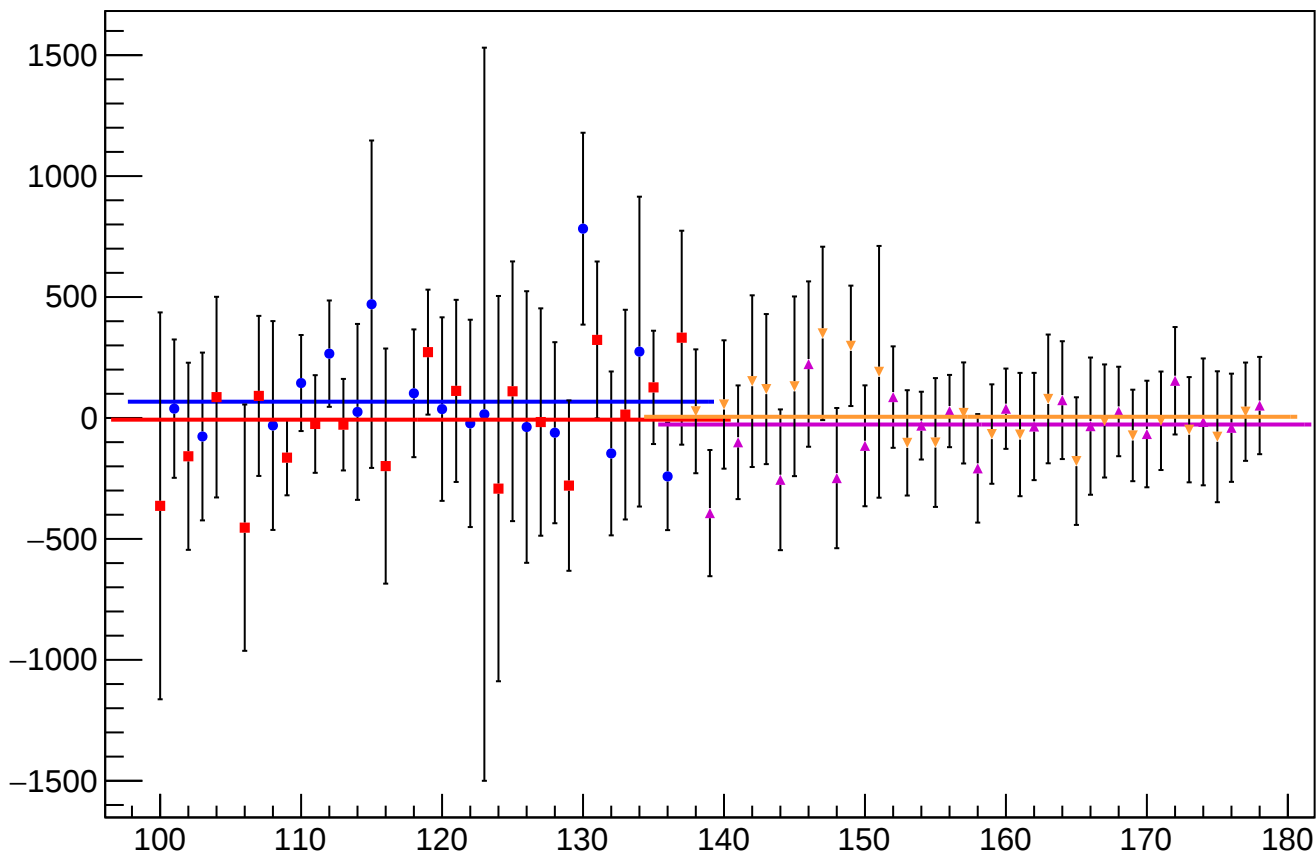
Left In: 11.434 $\pm$ 0.002 χ^2 /NDF: 144783.6/19

+ sign 11.408 $\pm$ 0.002 χ^2 /NDF: 266347.6/37

All: 11.394 $\pm$ 0.001 χ^2 /NDF: 561162.7/76

- sign 11.380 $\pm$ 0.002 χ^2 /NDF: 294677.8/38

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305 $\pm$ 79.817 χ^2/NDF : 7.5/16

Left Out: 4.938 $\pm$ 54.421 χ^2/NDF : 4.4/20

Right Out: -7.039 $\pm$ 70.212 χ^2/NDF : 6.4/18

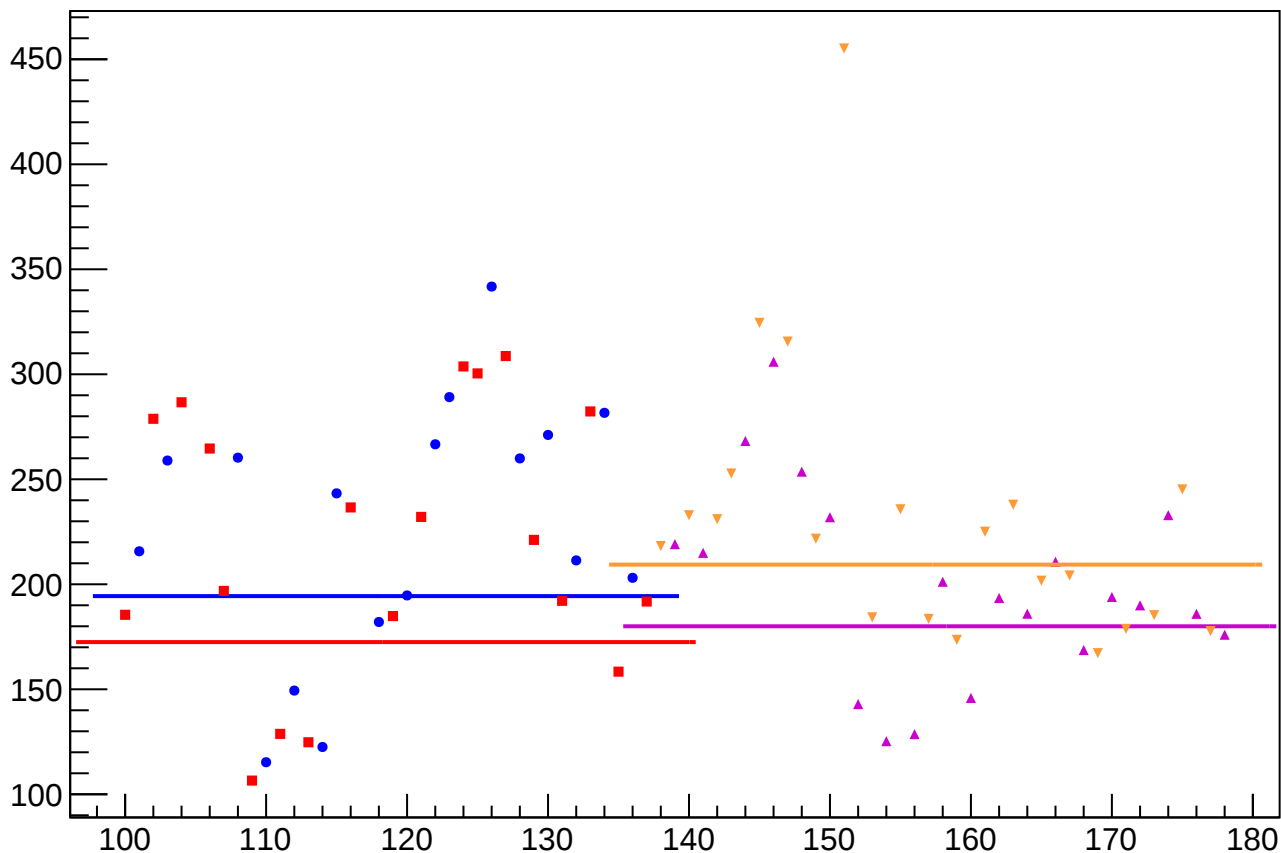
Left In: -27.030 $\pm$ 47.964 χ^2/NDF : 6.3/19

+ sign 24.730 $\pm$ 44.964 χ^2/NDF : 12.3/37

All: -0.835 $\pm$ 29.720 χ^2/NDF : 25.7/76

- sign -20.669 $\pm$ 39.605 χ^2/NDF : 12.8/38

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: 209.362 $\pm$ 0.038 χ^2 /NDF:1306819.4/20

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

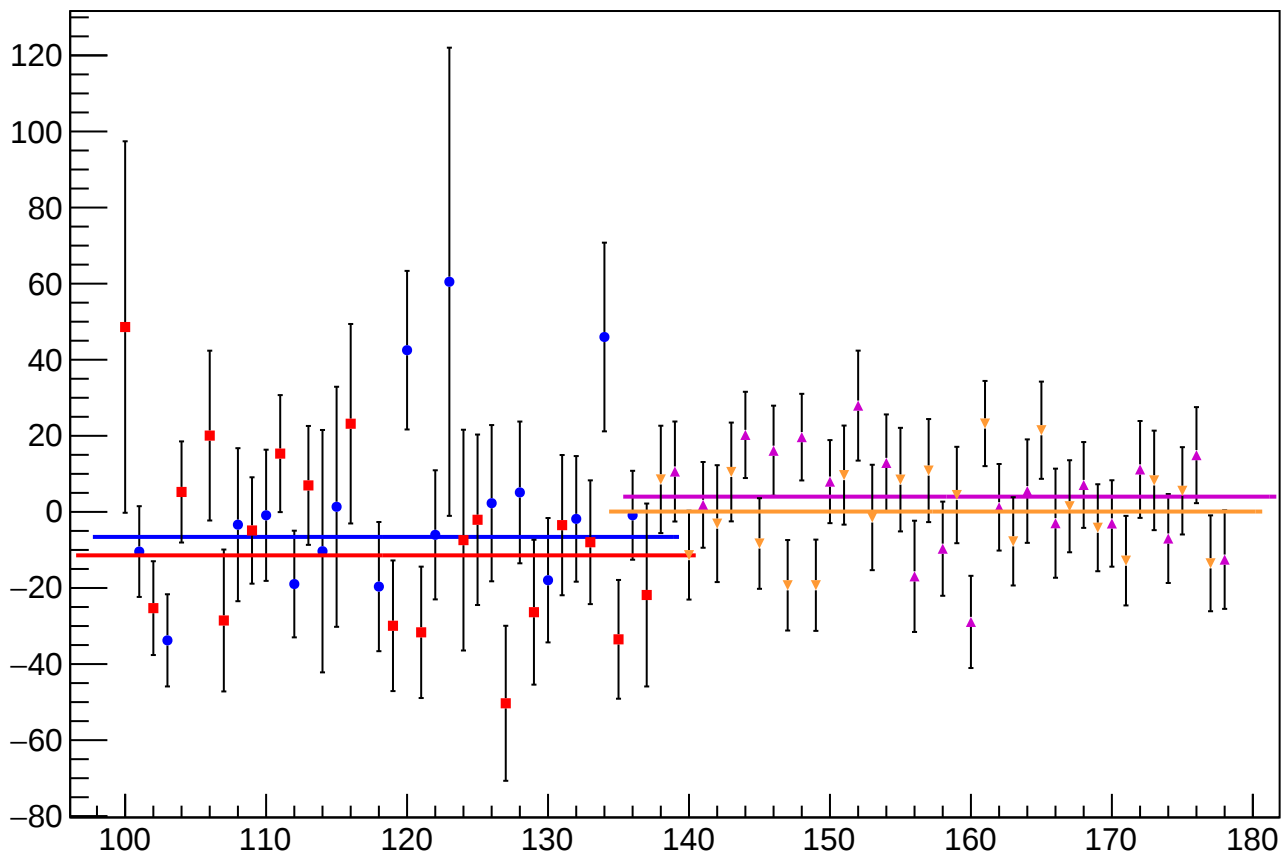
Left In: 179.994 $\pm$ 0.034 χ^2 /NDF:1601213.4/19

+ sign 204.603 $\pm$ 0.032 χ^2 /NDF: 2360250.7/37

All: 189.397 $\pm$ 0.021 χ^2 /NDF: 5952911.8/76

- sign 177.601 $\pm$ 0.028 χ^2 /NDF: 3186517.1/38

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 ± 4.157 χ^2/NDF : 19.3/16

Left Out: 0.091 ± 2.724 χ^2/NDF : 20.1/20

Right Out: -11.423 ± 4.080 χ^2/NDF : 23.0/18

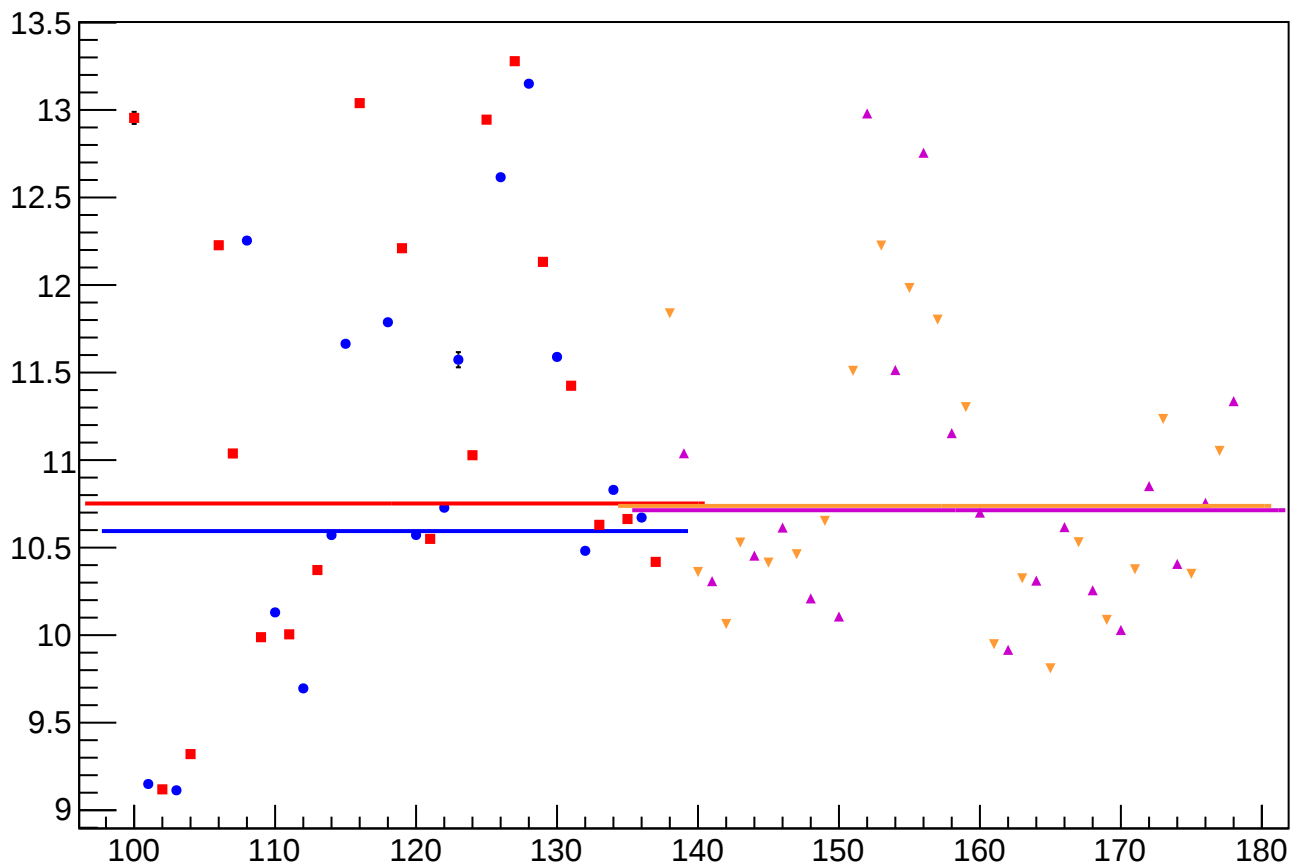
Left In: 4.009 ± 2.743 χ^2/NDF : 23.6/19

+ sign -1.912 ± 2.279 χ^2/NDF : 41.2/37

All: -1.353 ± 1.610 χ^2/NDF : 97.8/76

- sign -0.795 ± 2.276 χ^2/NDF : 56.4/38

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 $\pm$ 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.738 $\pm$ 0.002 χ^2/NDF :122784.2/20

Right Out: 10.752 $\pm$ 0.003 χ^2/NDF : 177173.0/18

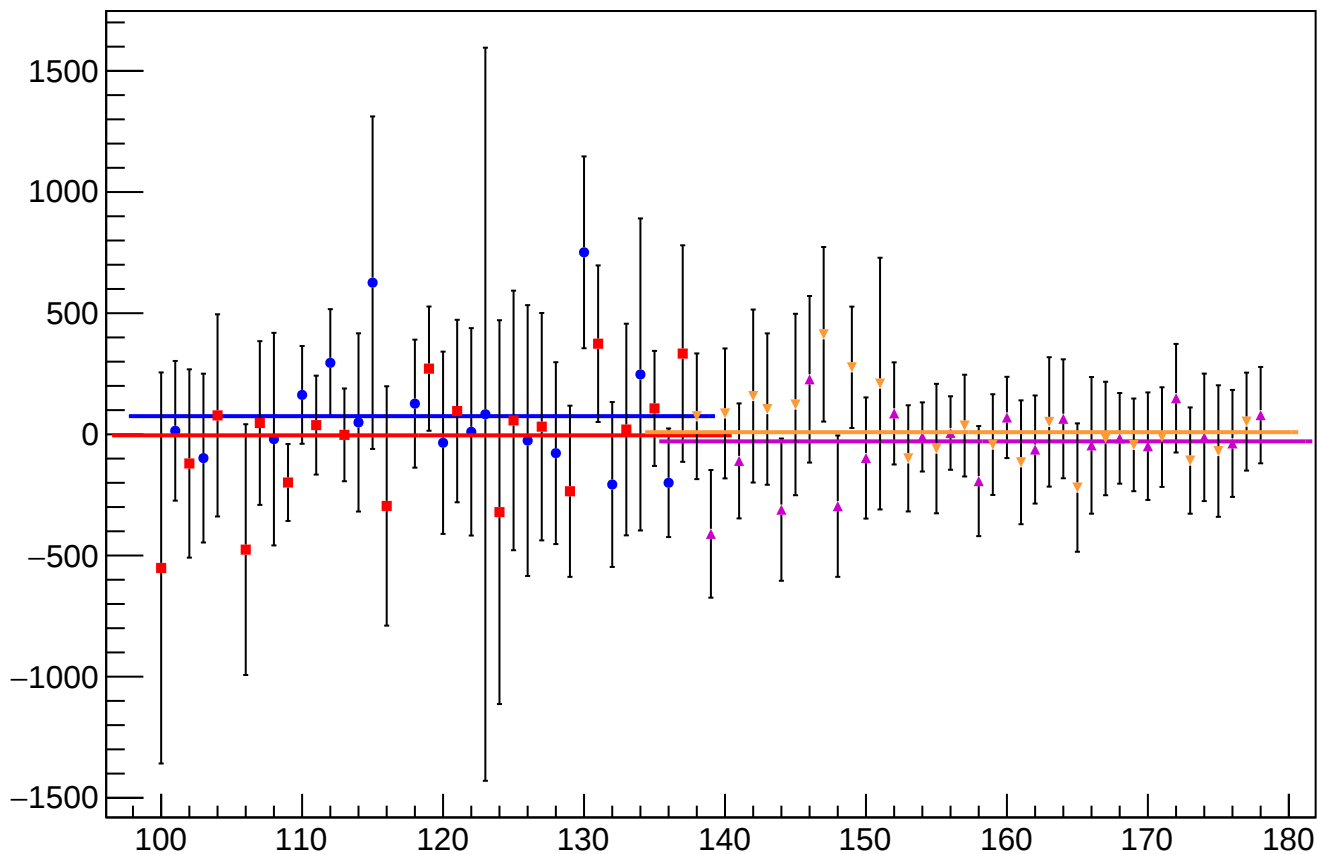
Left In: 10.714 $\pm$ 0.002 χ^2/NDF :142179.8/19

+ sign 10.695 $\pm$ 0.002 χ^2/NDF : 284520.4/37

All: 10.710 $\pm$ 0.001 χ^2/NDF : 604173.5/76

- sign 10.726 $\pm$ 0.002 χ^2/NDF : 319475.4/38

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 8.959 $\pm$ 54.742 χ^2 /NDF: 5.0/20

Right Out: -3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

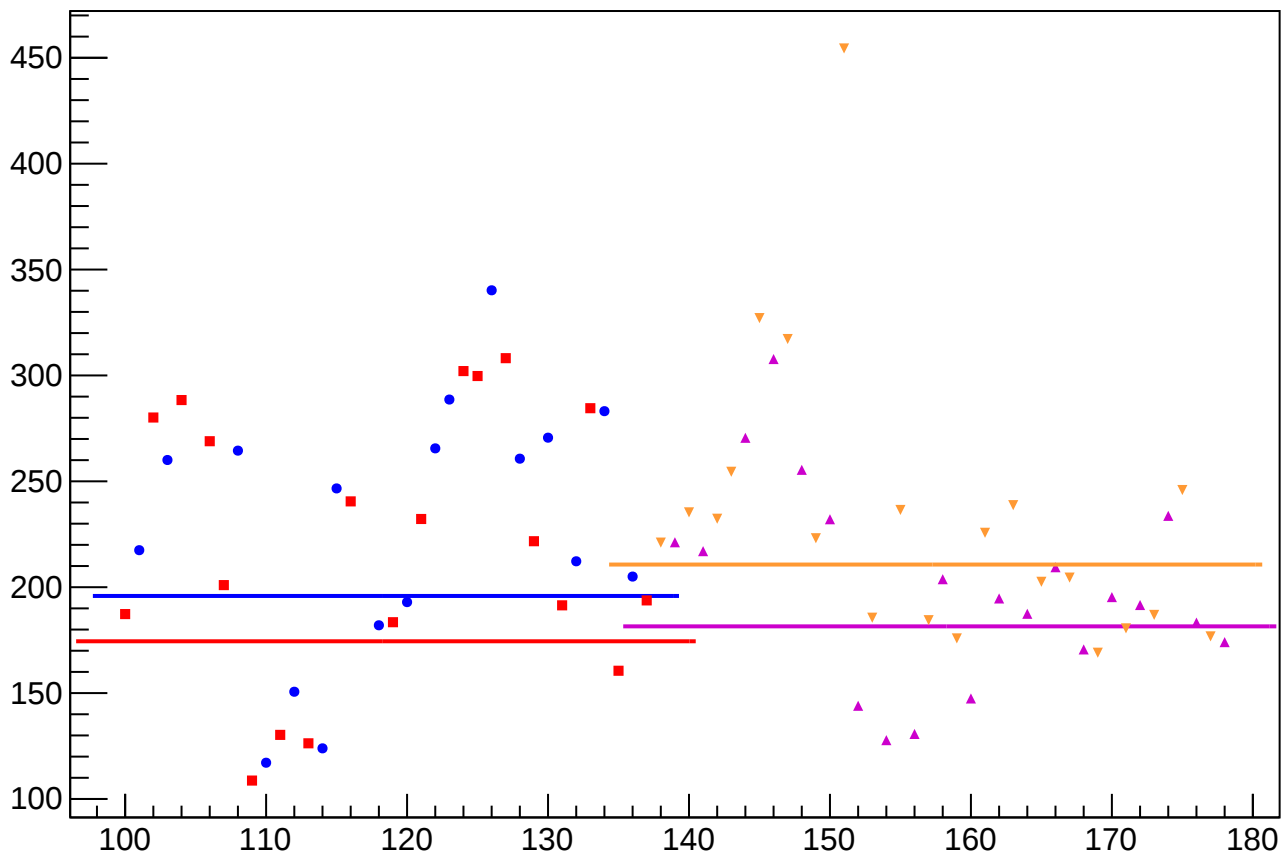
Left In: -28.909 $\pm$ 48.315 χ^2 /NDF: 7.0/19

+ sign 29.921 $\pm$ 45.241 χ^2 /NDF: 13.1/37

All: 1.290 $\pm$ 29.934 χ^2 /NDF: 28.2/76

- sign -21.007 $\pm$ 39.923 χ^2 /NDF: 14.4/38

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 210.700 $\pm$ 0.039 χ^2 /NDF:1296047.0/20

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

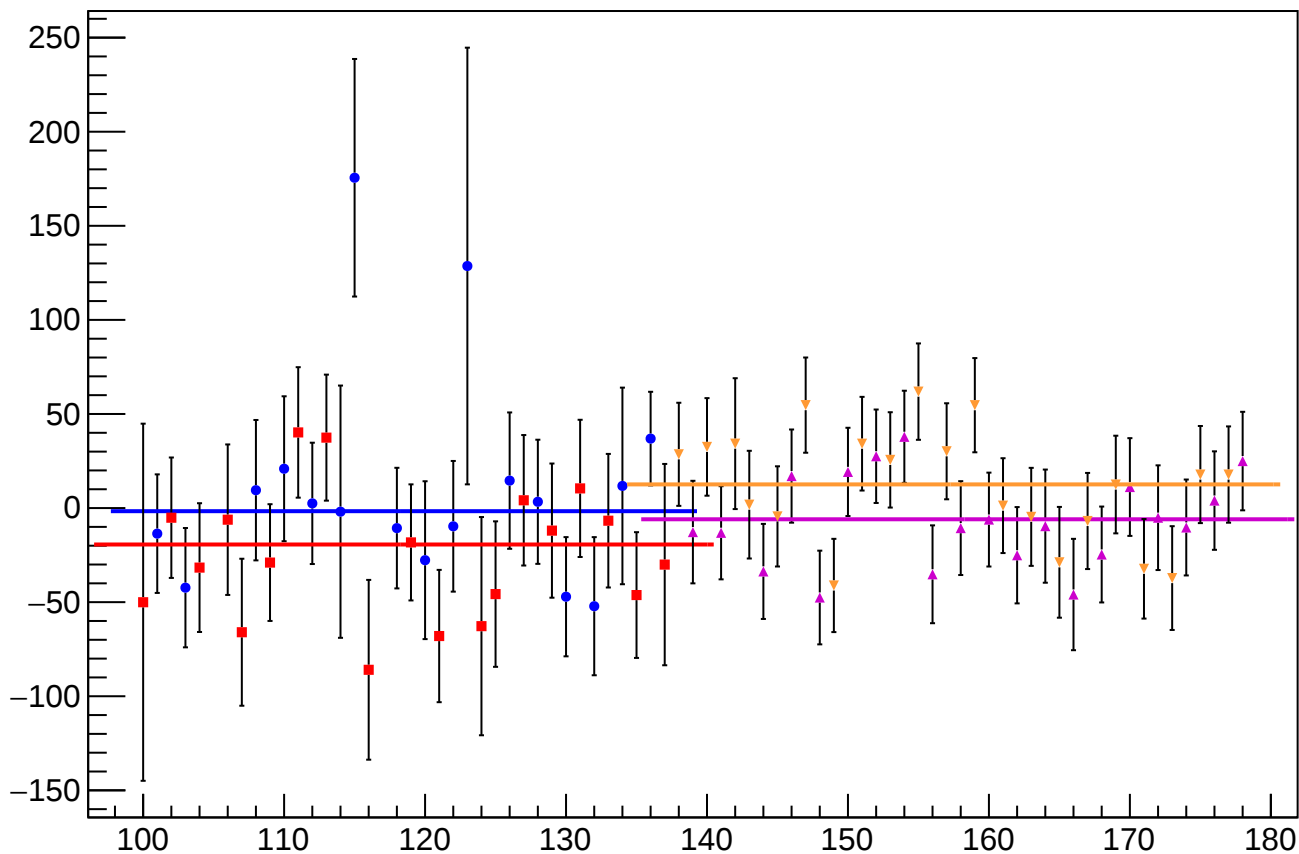
Left In: 181.512 $\pm$ 0.034 χ^2 /NDF:1555337.2/19

+ sign 205.998 $\pm$ 0.032 χ^2 /NDF: 2321829.6/37

All: 190.975 $\pm$ 0.021 χ^2 /NDF: 5811707.2/76

- sign 179.277 $\pm$ 0.028 χ^2 /NDF: 3097611.4/38

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: 12.580 ± 5.745 χ^2/NDF : 26.8/20

Right Out: -19.357 ± 8.556 χ^2/NDF : 14.8/18

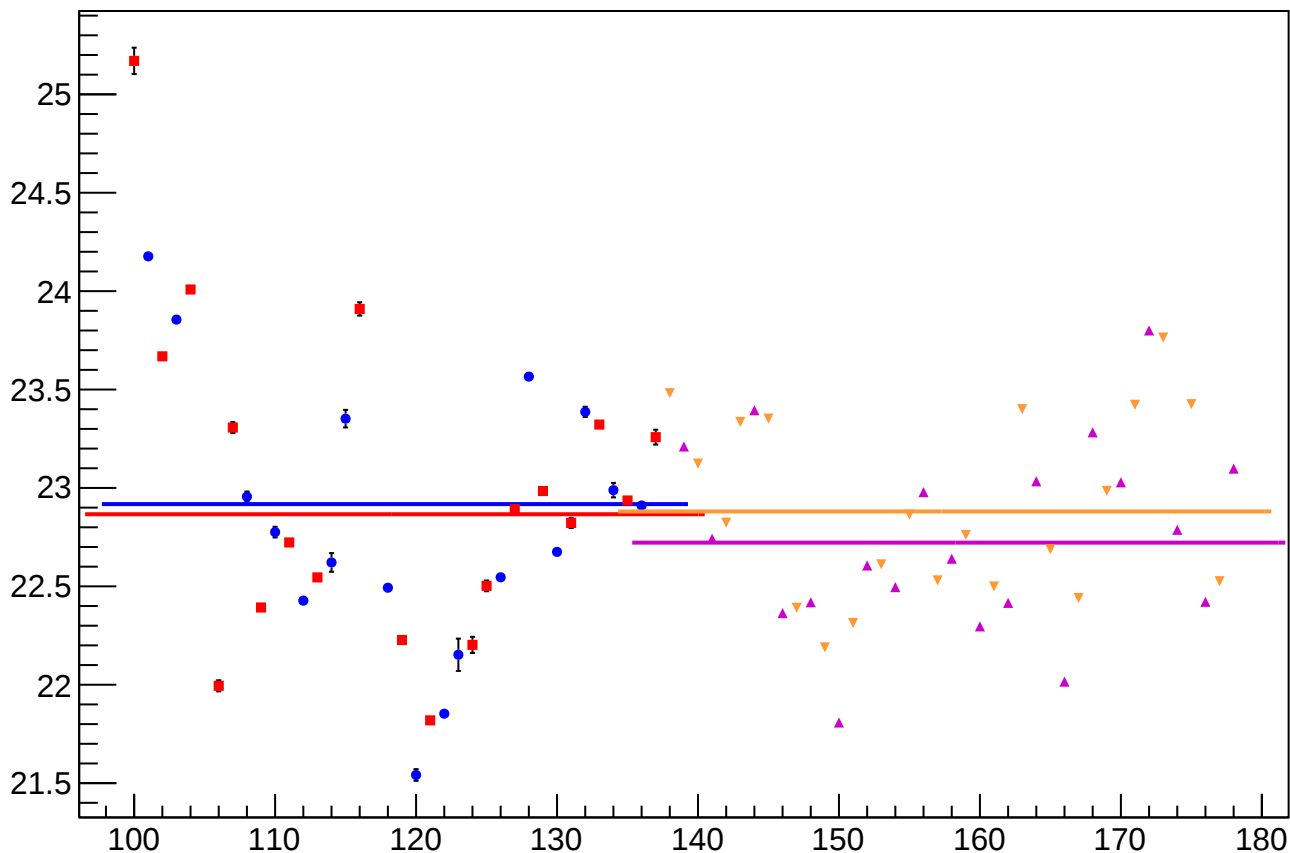
Left In: -5.958 ± 5.760 χ^2/NDF : 17.4/19

+ sign 8.380 ± 4.824 χ^2/NDF : 47.1/37

All: -0.967 ± 3.395 χ^2/NDF : 88.4/76

- sign -10.137 ± 4.778 χ^2/NDF : 33.9/38

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: 22.881 $\pm$ 0.004 χ^2 /NDF:12403.4/20

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

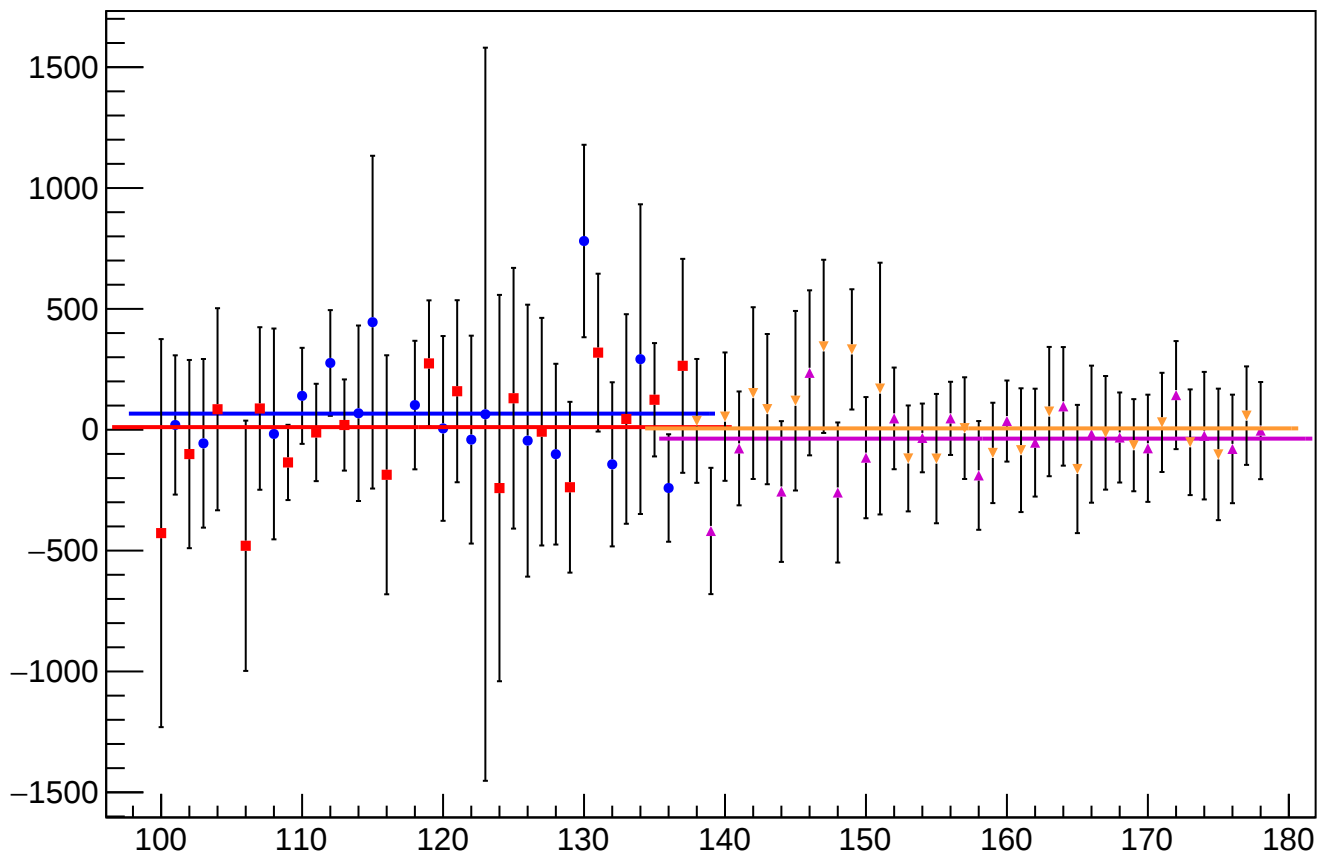
Left In: 22.722 $\pm$ 0.004 χ^2 /NDF:13408.1/19

+ sign 22.892 $\pm$ 0.003 χ^2 /NDF: 23900.6/37

All: 22.829 $\pm$ 0.002 χ^2 /NDF: 49423.9/76

- sign 22.767 $\pm$ 0.003 χ^2 /NDF: 24851.9/38

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 5.641 $\pm$ 54.674 χ^2 /NDF: 4.9/20

Right Out: 10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

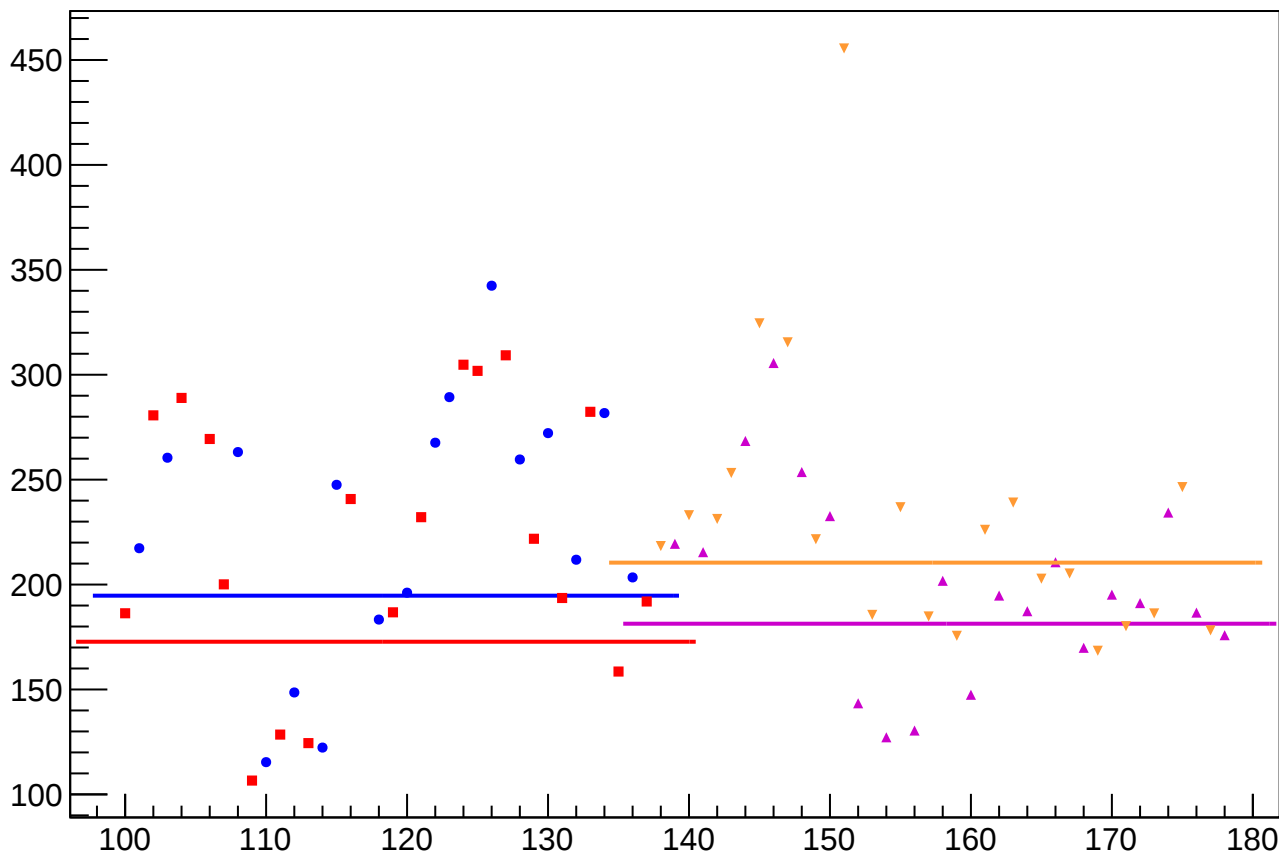
Left In: -36.781 $\pm$ 48.271 χ^2 /NDF: 6.2/19

+ sign 25.082 $\pm$ 45.138 χ^2 /NDF: 12.8/37

All: -1.141 $\pm$ 29.857 χ^2 /NDF: 25.7/76

- sign -21.538 $\pm$ 39.809 χ^2 /NDF: 12.2/38

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: 210.454+/-0.039 χ^2/NDF :1283154.0/20

Right Out: 172.753+/-0.050 χ^2/NDF : 1596944.9/18

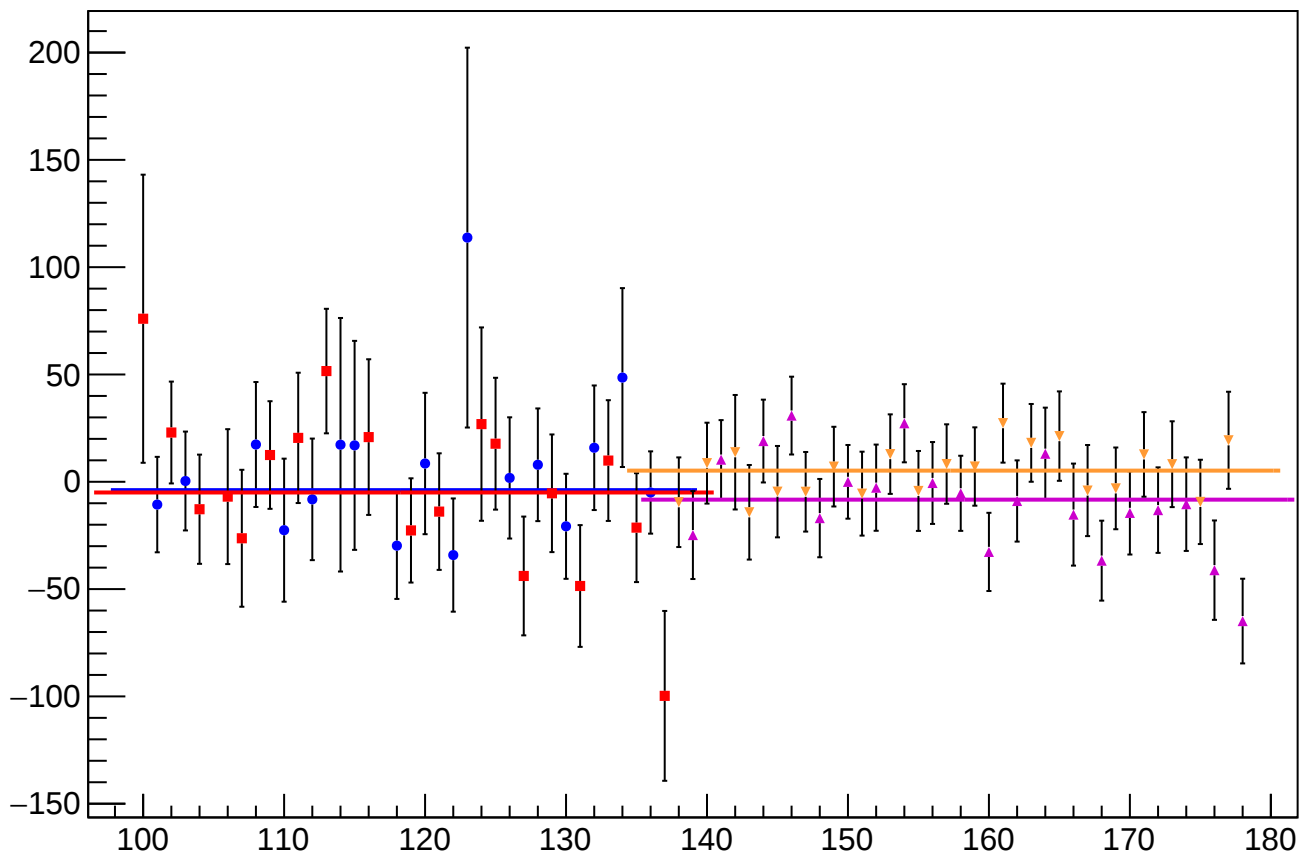
Left In: 181.340+/-0.034 χ^2/NDF :1547840.5/19

+ sign 205.439+/-0.032 χ^2/NDF : 2355877.3/37

All: 190.338+/-0.021 χ^2/NDF : 5918829.1/76

- sign 178.593+/-0.028 χ^2/NDF : 3165027.7/38

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 5.205 ± 4.310 χ^2/NDF : 6.7/20

Right Out: -4.985 ± 6.727 χ^2/NDF : 21.3/18

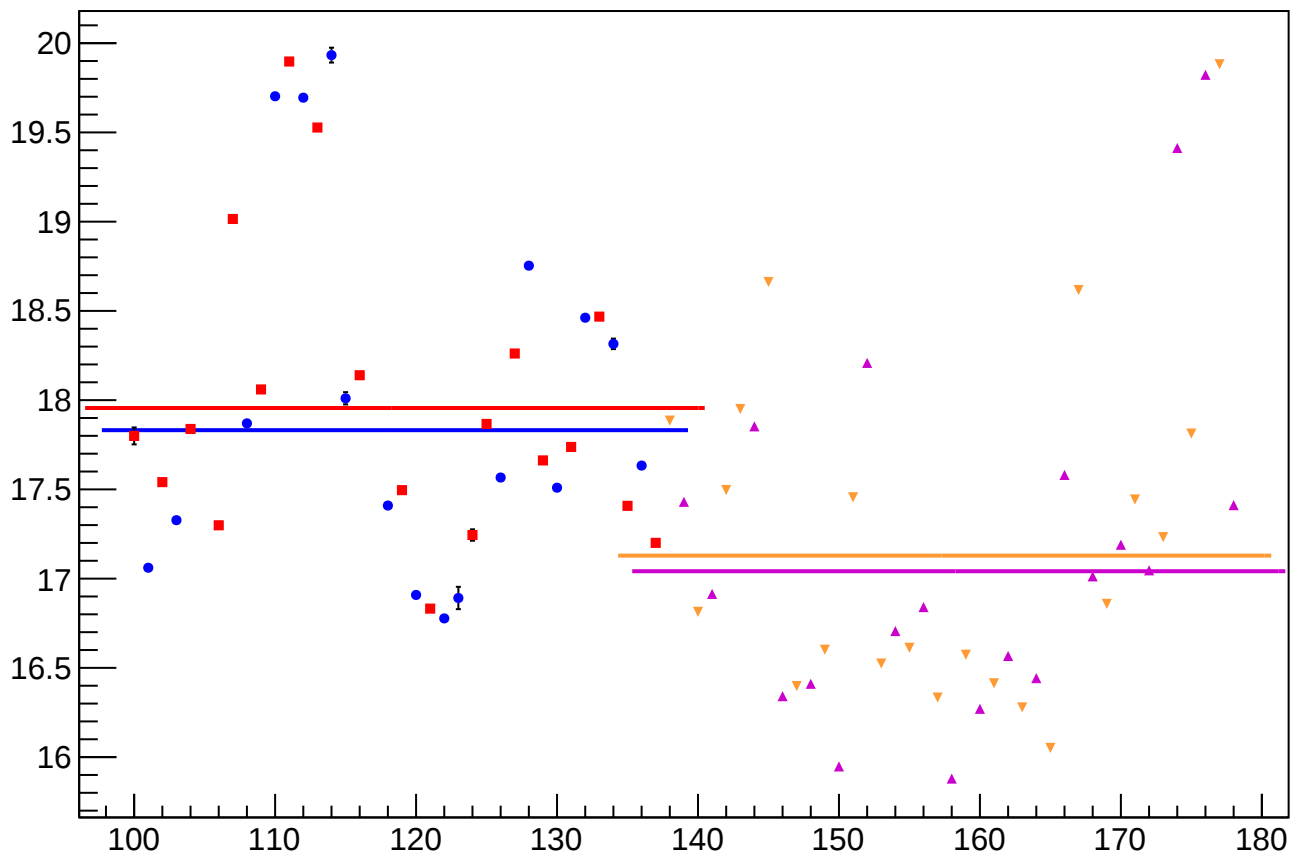
Left In: -8.322 ± 4.331 χ^2/NDF : 28.5/19

+ sign 2.659 ± 3.658 χ^2/NDF : 16.4/37

All: -2.365 ± 2.581 χ^2/NDF : 70.1/76

- sign -7.344 ± 3.642 χ^2/NDF : 50.0/38

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: 17.129 $\pm$ 0.003 χ^2 /NDF: 86825.6/20

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

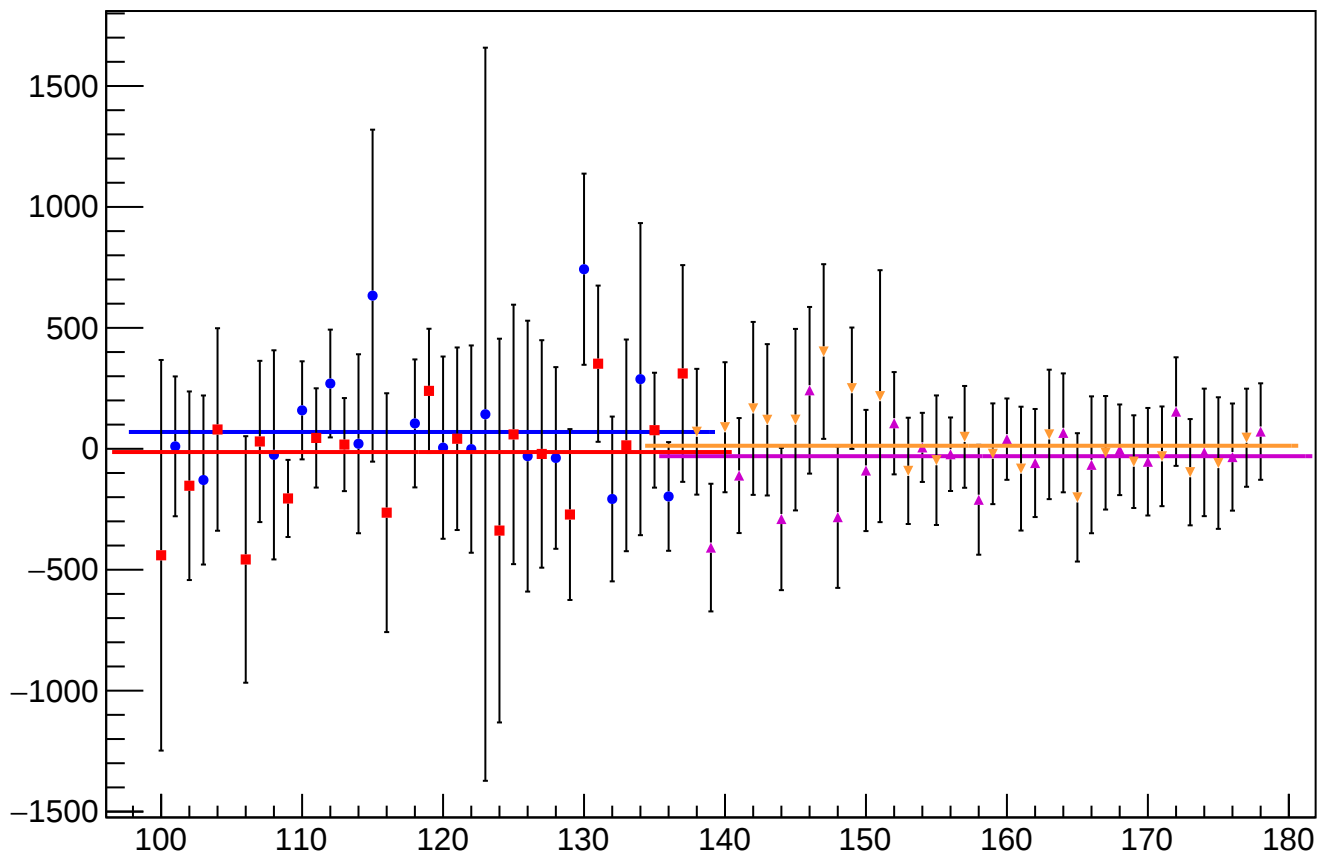
Left In: 17.041 $\pm$ 0.003 χ^2 /NDF: 95097.5/19

+ sign 17.326 $\pm$ 0.003 χ^2 /NDF: 132569.9/37

All: 17.317 $\pm$ 0.002 χ^2 /NDF: 279268.0/76

- sign 17.309 $\pm$ 0.003 χ^2 /NDF: 146678.7/38

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511 ± 80.550 χ^2/NDF : 7.4/16

Left Out: 12.601 ± 54.868 χ^2/NDF : 4.4/20

Right Out: -13.410 ± 71.041 χ^2/NDF : 6.7/18

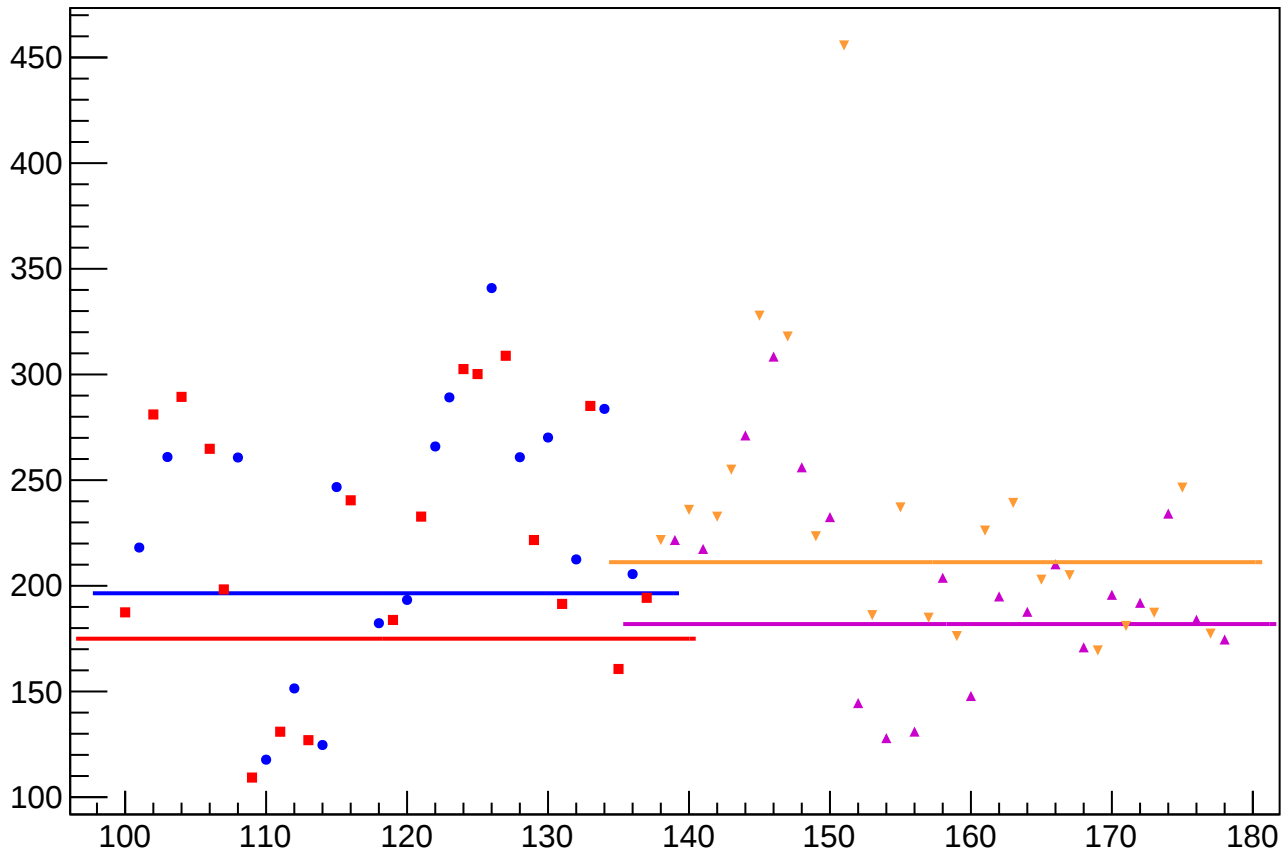
Left In: -30.577 ± 48.420 χ^2/NDF : 6.8/19

+ sign 30.638 ± 45.347 χ^2/NDF : 12.1/37

All: -0.721 ± 30.002 χ^2/NDF : 26.5/76

- sign -25.132 ± 40.010 χ^2/NDF : 13.6/38

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: 211.185 $\pm$ 0.039 χ^2 /NDF:1295502.6/20

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

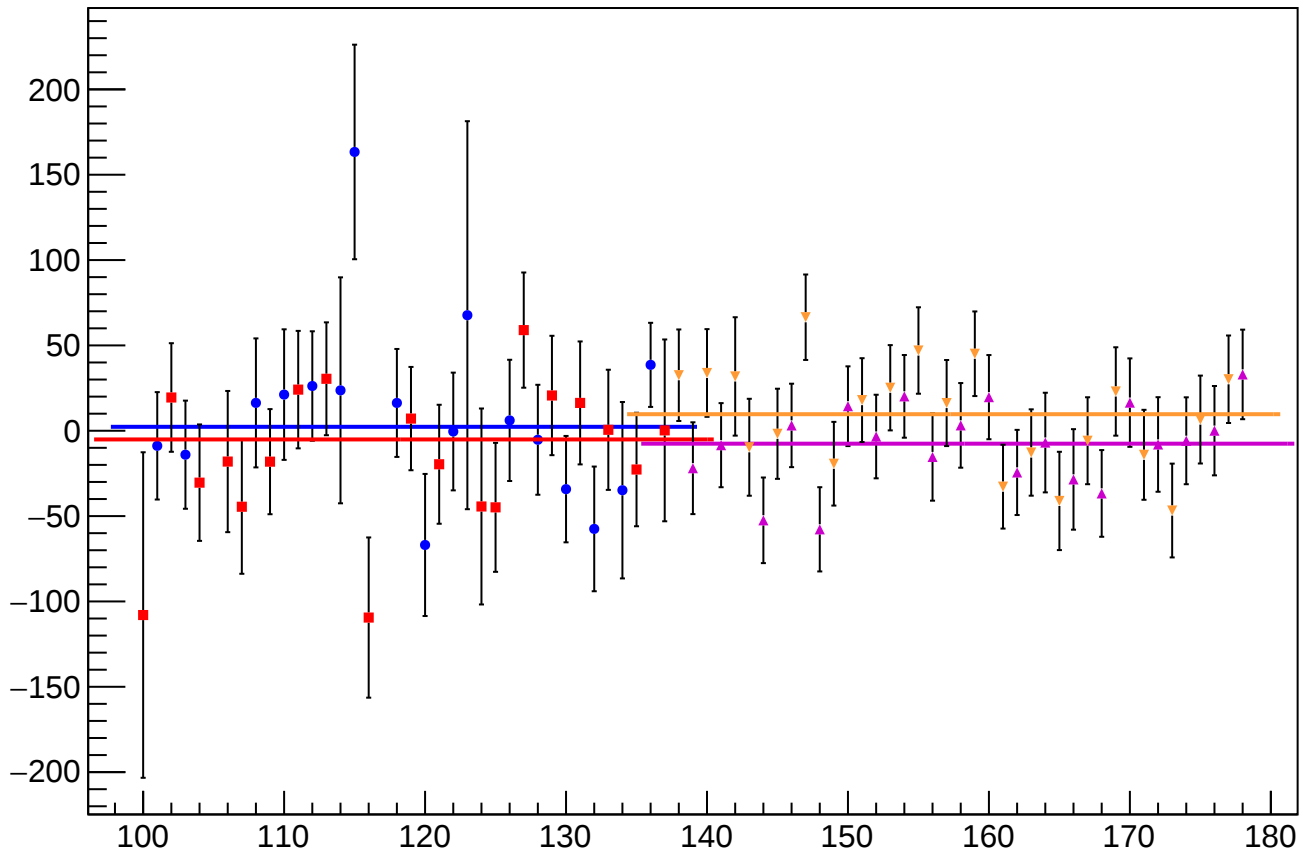
Left In: 181.904 $\pm$ 0.034 χ^2 /NDF:1554996.7/19

+ sign 206.522 $\pm$ 0.032 χ^2 /NDF: 2305374.9/37

All: 191.445 $\pm$ 0.021 χ^2 /NDF: 5777619.7/76

- sign 179.708 $\pm$ 0.028 χ^2 /NDF: 3079066.5/38

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 9.697 ± 5.684 $\chi^2/\text{NDF}: 27.2/20$

Right Out: -5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

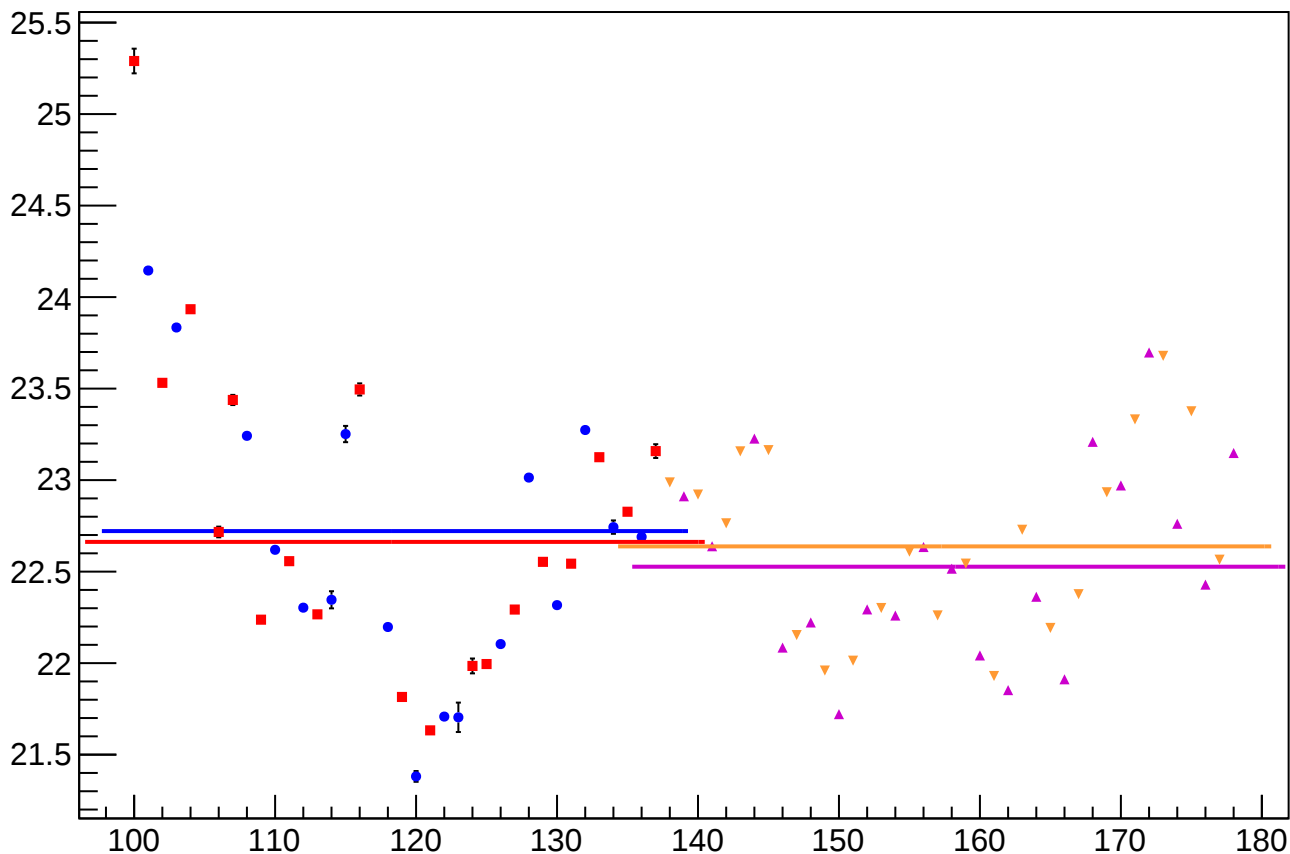
Left In: -7.574 ± 5.710 $\chi^2/\text{NDF}: 17.2/19$

+ sign 7.523 ± 4.776 $\chi^2/\text{NDF}: 45.8/37$

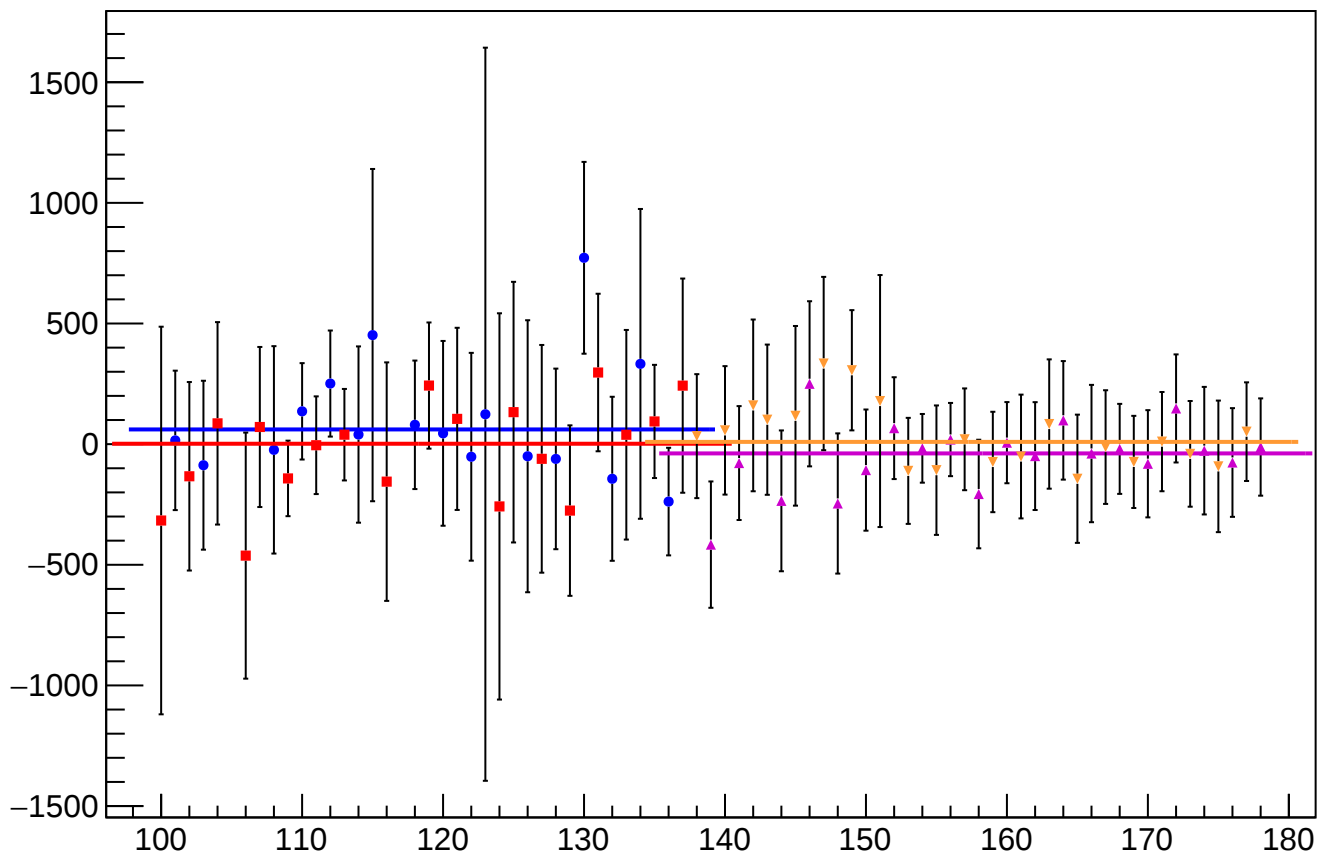
All: 0.303 ± 3.363 $\chi^2/\text{NDF}: 84.7/76$

- sign -6.799 ± 4.736 $\chi^2/\text{NDF}: 34.4/38$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 9.353 $\pm$ 54.800 χ^2 /NDF: 4.3/20

Right Out: 1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

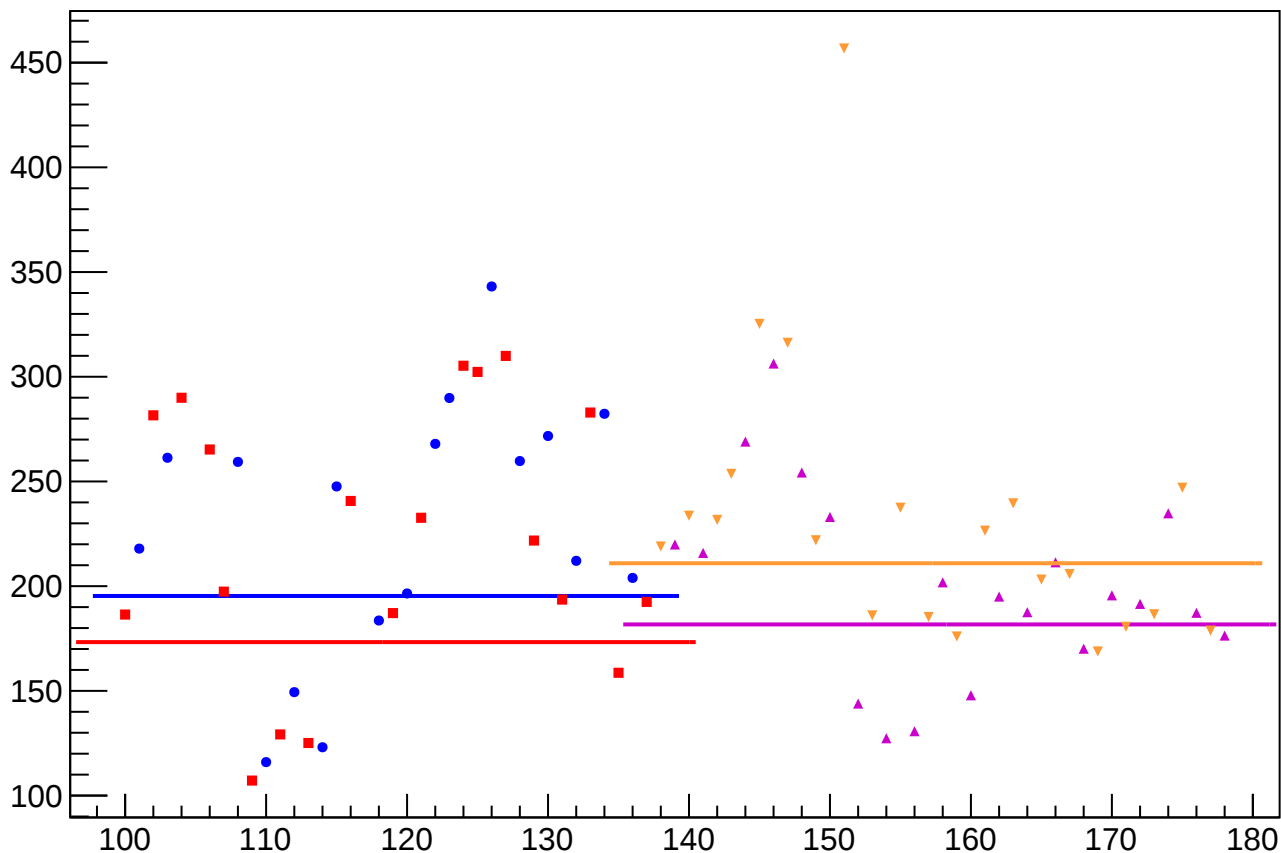
Left In: -38.399 $\pm$ 48.375 χ^2 /NDF: 6.0/19

+ sign 25.780 $\pm$ 45.245 χ^2 /NDF: 11.8/37

All: -3.121 $\pm$ 29.924 χ^2 /NDF: 23.9/76

- sign -25.592 $\pm$ 39.897 χ^2 /NDF: 11.4/38

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.316 $\pm$ 0.057 χ^2 /NDF: 1004211.5/16

Left Out: 210.939 $\pm$ 0.039 χ^2 /NDF:1282644.1/20

Right Out: 173.285 $\pm$ 0.050 χ^2 /NDF: 1578382.8/18

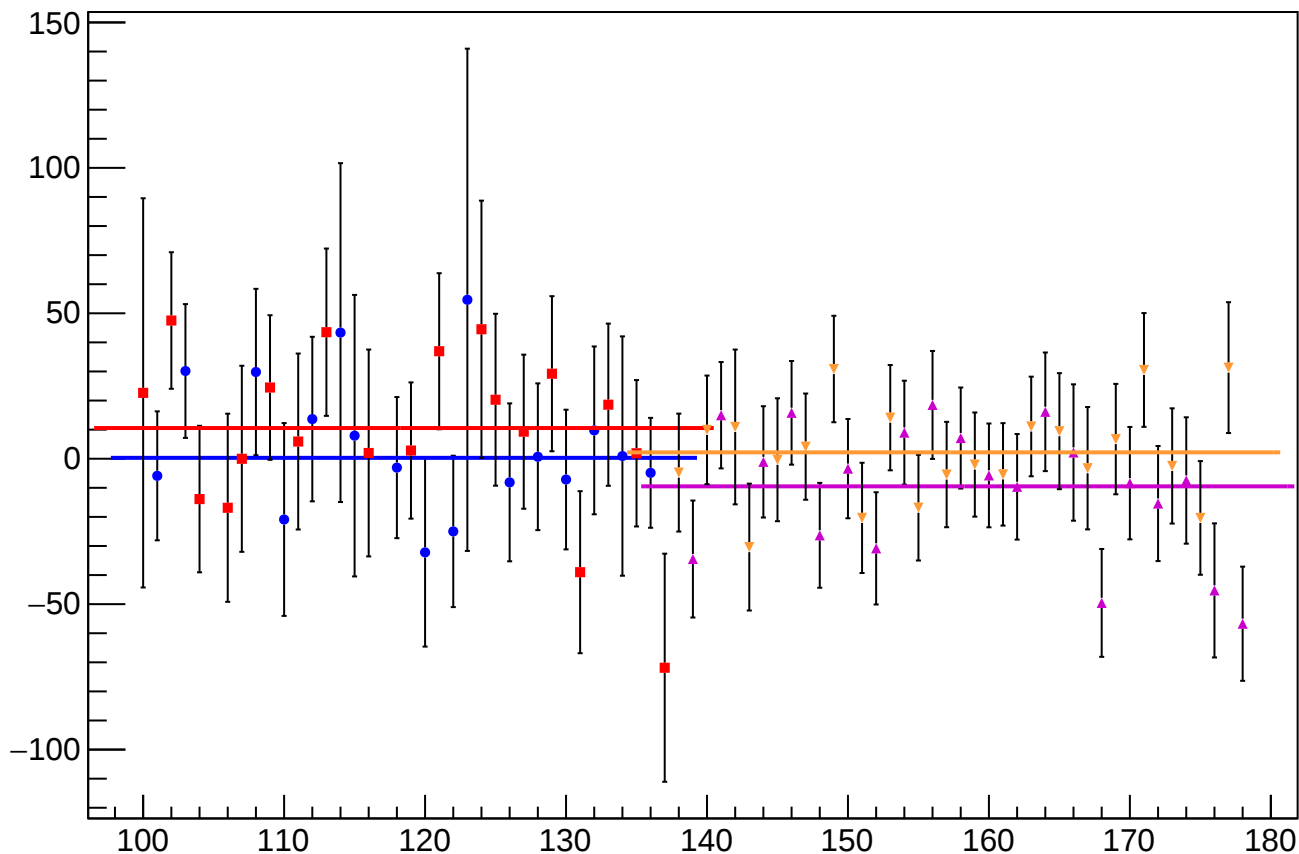
Left In: 181.729 $\pm$ 0.034 χ^2 /NDF:1547710.3/19

+ sign 205.966 $\pm$ 0.032 χ^2 /NDF: 2338598.9/37

All: 190.812 $\pm$ 0.021 χ^2 /NDF: 5883004.6/76

- sign 179.028 $\pm$ 0.028 χ^2 /NDF: 3145579.7/38

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: 2.186 ± 4.225 χ^2/NDF : 14.2/20

Right Out: 10.553 ± 6.628 χ^2/NDF : 16.0/18

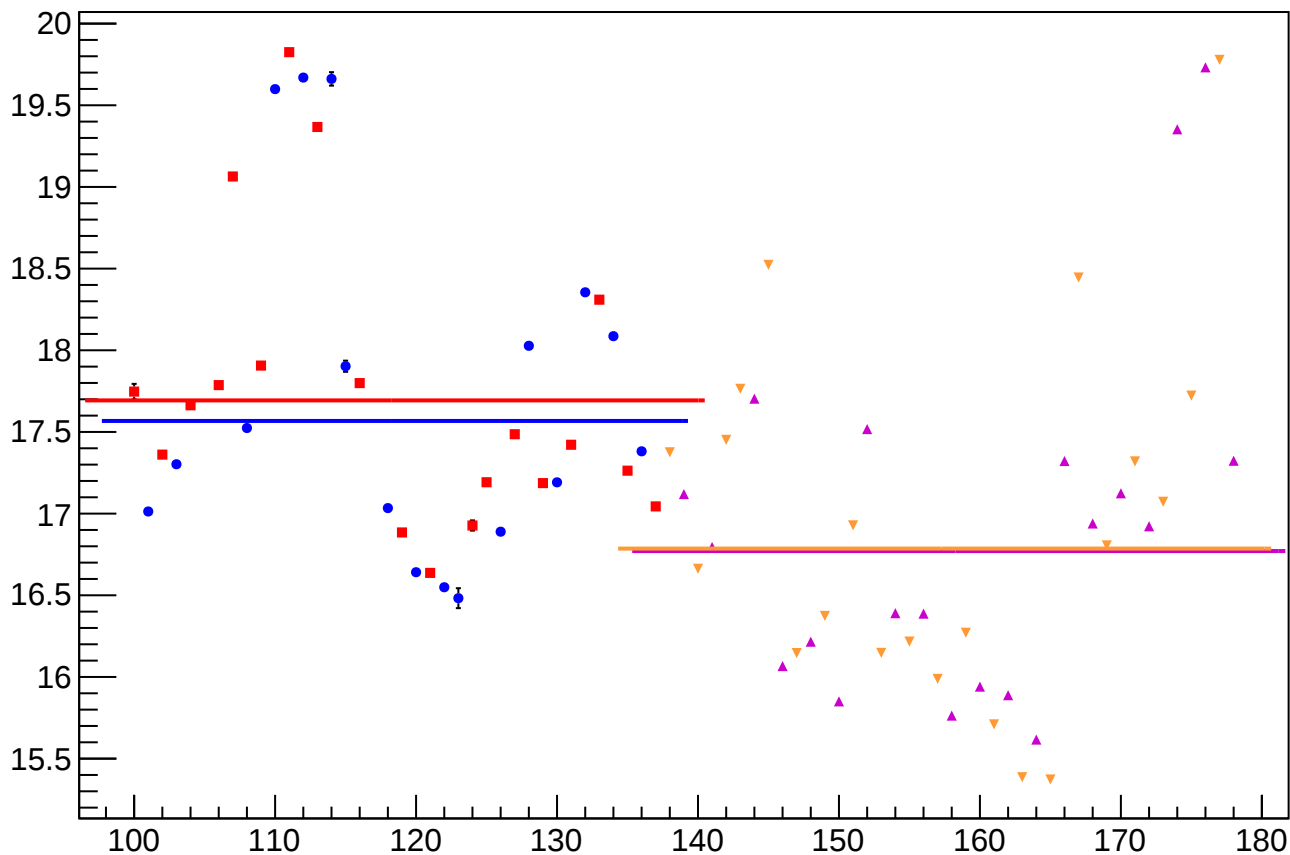
Left In: -9.499 ± 4.262 χ^2/NDF : 26.9/19

+ sign 1.664 ± 3.591 χ^2/NDF : 21.0/37

All: -0.989 ± 2.537 χ^2/NDF : 71.4/76

- sign -3.633 ± 3.585 χ^2/NDF : 49.4/38

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 ± 0.005 $\chi^2/\text{NDF}: 33145.0/16$

Left Out: 16.786 ± 0.003 $\chi^2/\text{NDF}: 119346.9/20$

Right Out: 17.693 ± 0.005 $\chi^2/\text{NDF}: 30767.1/18$

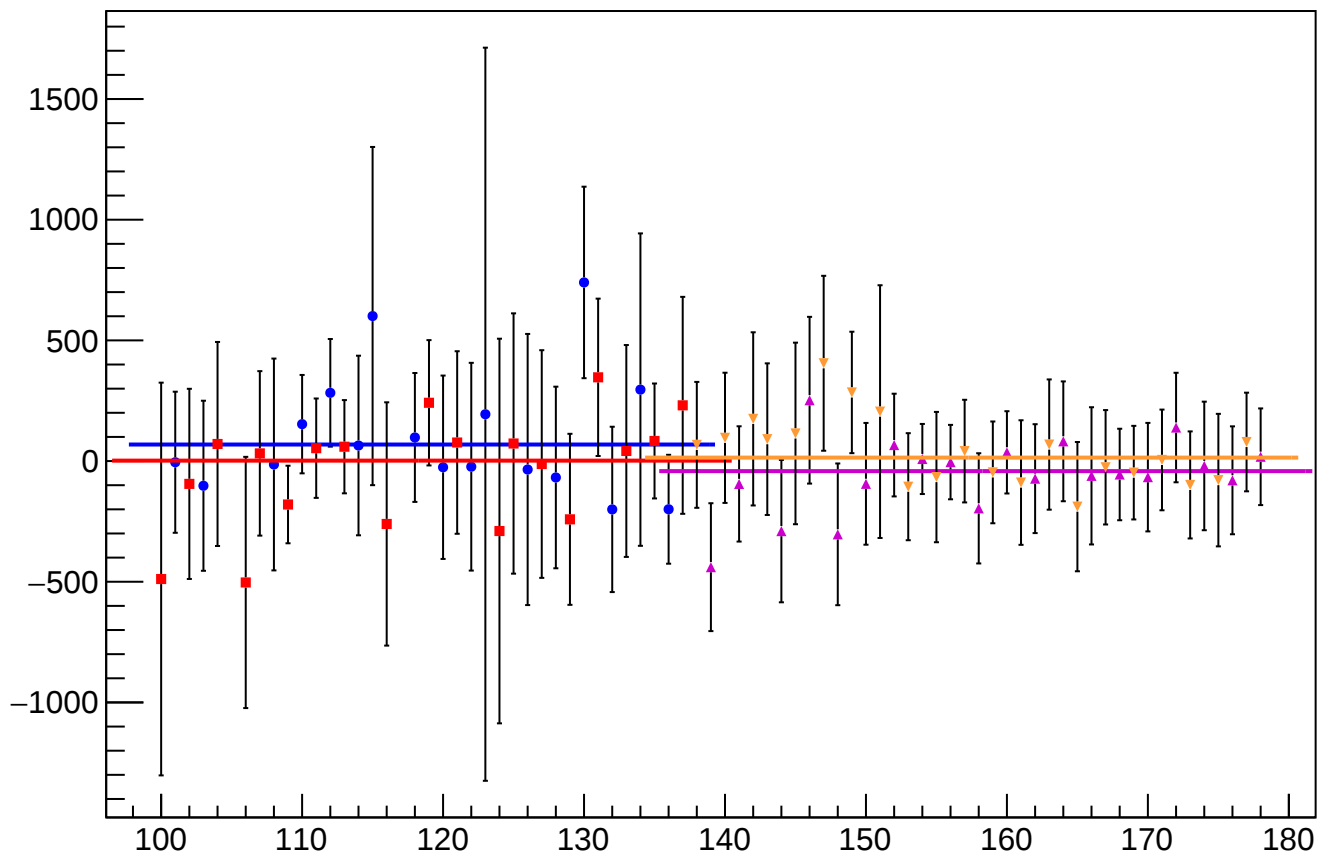
Left In: 16.771 ± 0.003 $\chi^2/\text{NDF}: 108060.6/19$

+ sign 17.003 ± 0.003 $\chi^2/\text{NDF}: 171495.2/37$

All: 17.022 ± 0.002 $\chi^2/\text{NDF}: 337825.9/76$

- sign 17.041 ± 0.003 $\chi^2/\text{NDF}: 166220.2/38$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 14.351+/-55.318 χ^2/NDF : 4.8/20

Right Out: 1.831+/-71.538 χ^2/NDF : 6.1/18

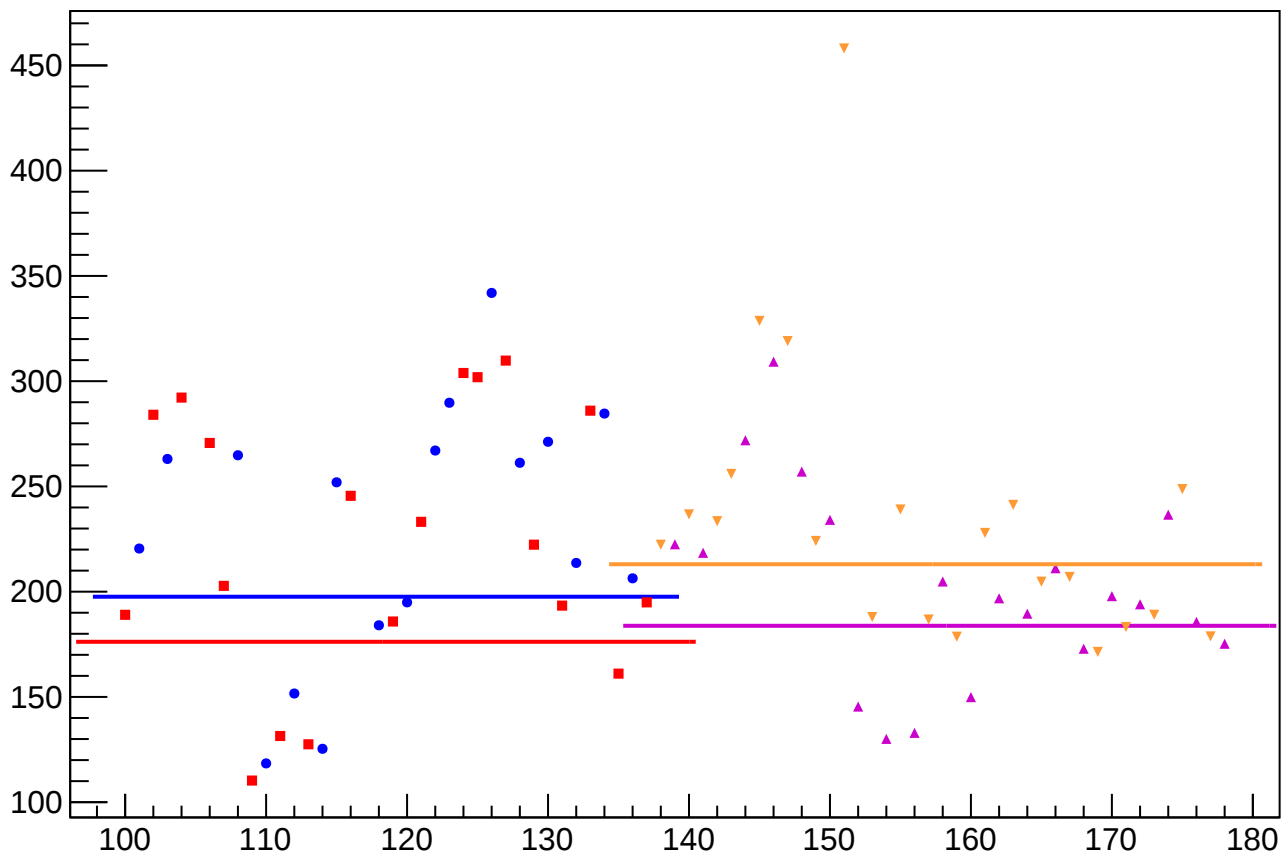
Left In: -41.653+/-48.881 χ^2/NDF : 6.7/19

+ sign 31.585+/-45.685 χ^2/NDF : 12.4/37

All: -1.776+/-30.247 χ^2/NDF : 26.5/76

- sign -27.813+/-40.359 χ^2/NDF : 13.1/38

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 ± 0.057 $\chi^2/\text{NDF}: 968827.8/16$

Left Out: 213.039 ± 0.039 $\chi^2/\text{NDF}: 1270030.0/20$

Right Out: 176.201 ± 0.051 $\chi^2/\text{NDF}: 1519832.7/18$

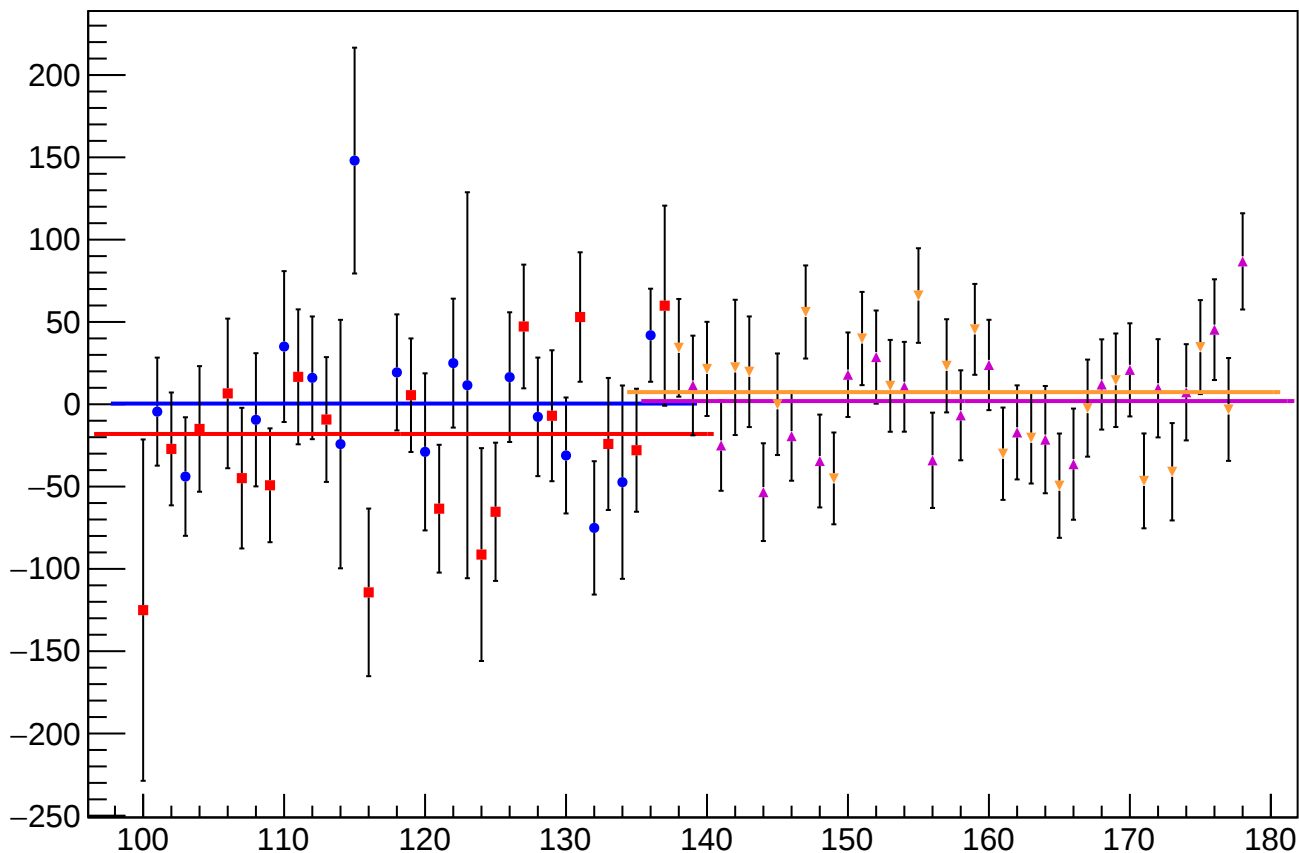
Left In: 183.794 ± 0.035 $\chi^2/\text{NDF}: 1511071.6/19$

+ sign 208.131 ± 0.032 $\chi^2/\text{NDF}: 2288371.4/37$

All: 193.105 ± 0.021 $\chi^2/\text{NDF}: 5719867.3/76$

- sign 181.378 ± 0.029 $\chi^2/\text{NDF}: 3046264.4/38$

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: 7.383 ± 6.418 χ^2/NDF : 29.0/20

Right Out: -18.044 ± 9.499 χ^2/NDF : 19.5/18

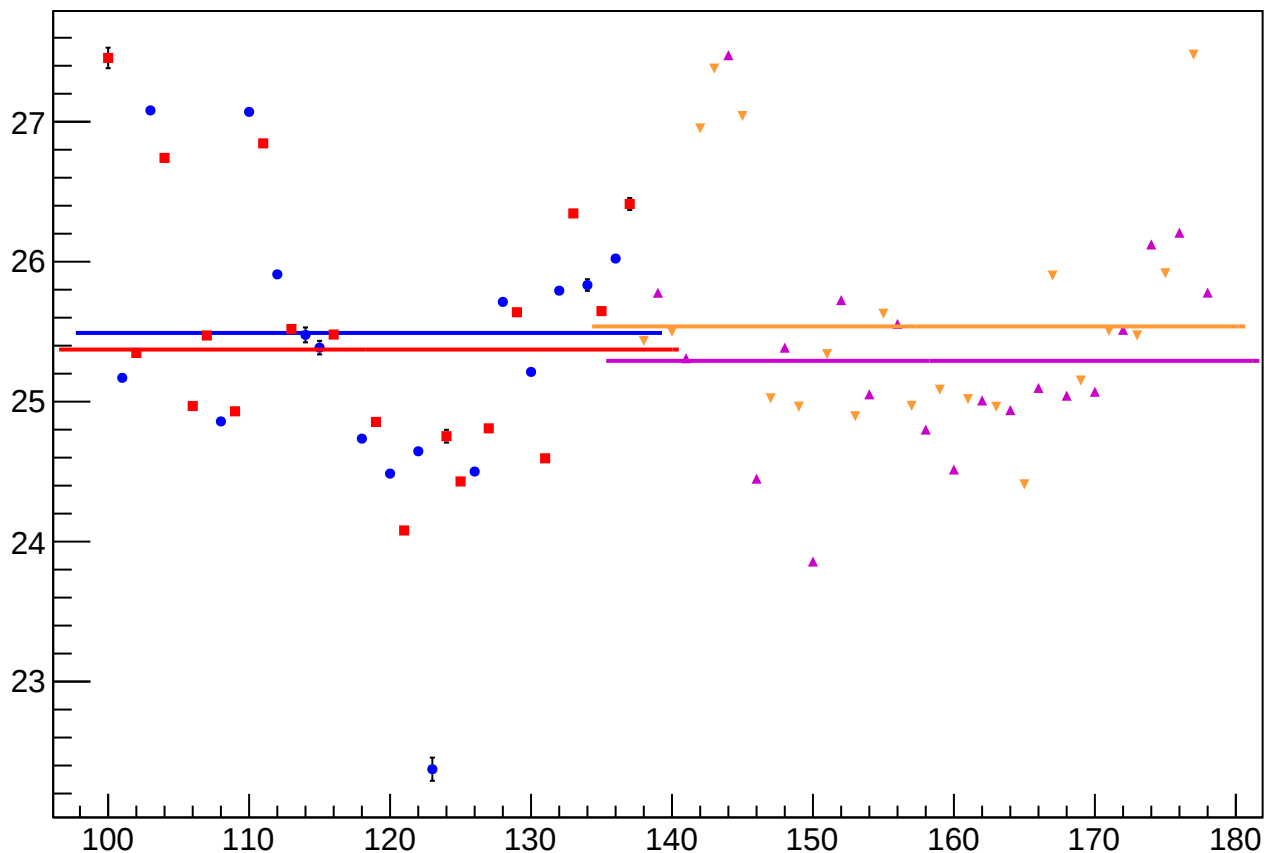
Left In: 1.944 ± 6.417 χ^2/NDF : 23.8/19

+ sign 5.320 ± 5.383 χ^2/NDF : 44.8/37

All: 0.441 ± 3.783 χ^2/NDF : 92.8/76

- sign -4.319 ± 5.317 χ^2/NDF : 46.4/38

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: 25.537 $\pm$ 0.005 χ^2 /NDF:30027.2/20

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

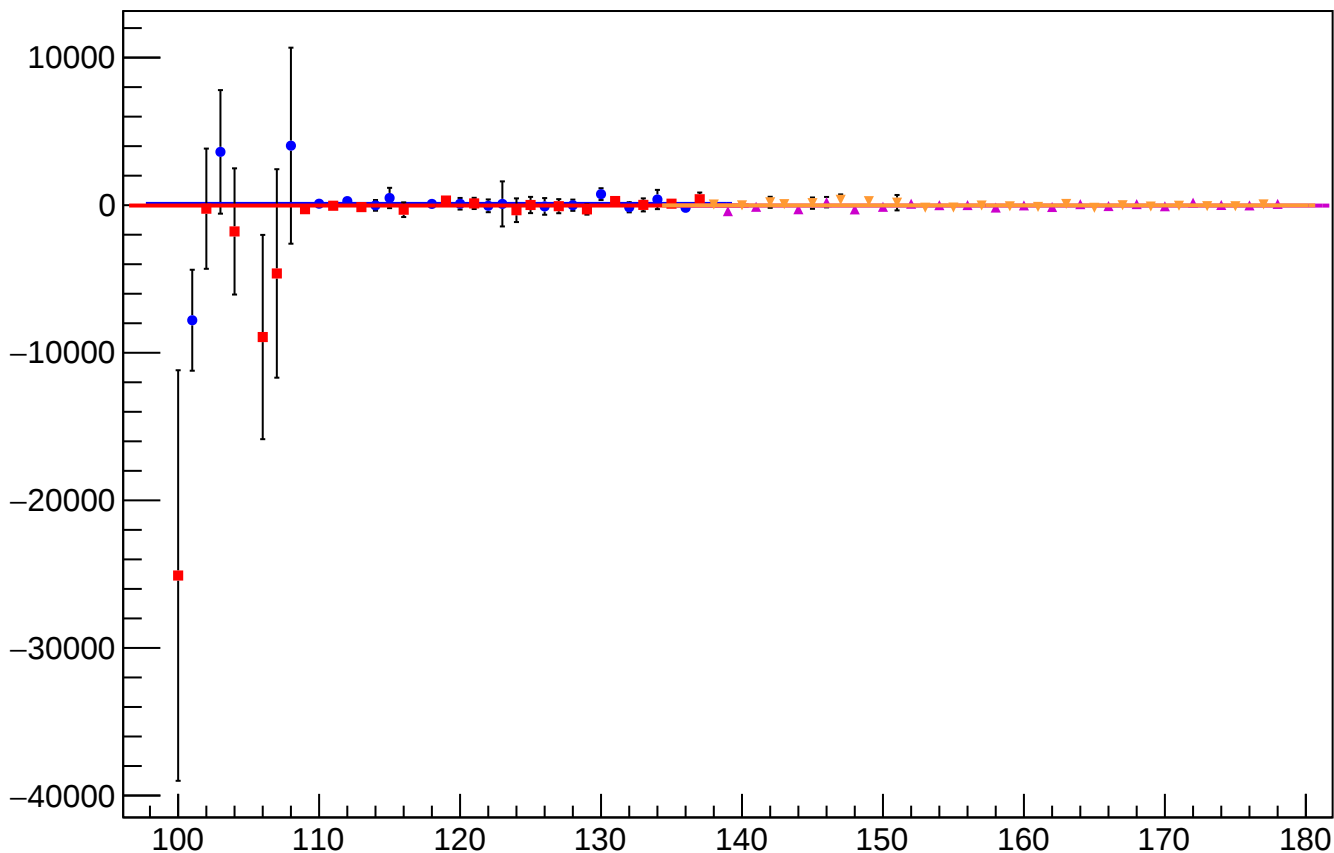
Left In: 25.291 $\pm$ 0.005 χ^2 /NDF:27423.6/19

+ sign 25.524 $\pm$ 0.004 χ^2 /NDF: 43771.4/37

All: 25.419 $\pm$ 0.003 χ^2 /NDF: 86340.8/76

- sign 25.317 $\pm$ 0.004 χ^2 /NDF: 41073.7/38

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: -12.891+/-55.372 χ^2/NDF : 4.9/20

Right Out: -23.352+/-80.948 χ^2/NDF : 11.9/18

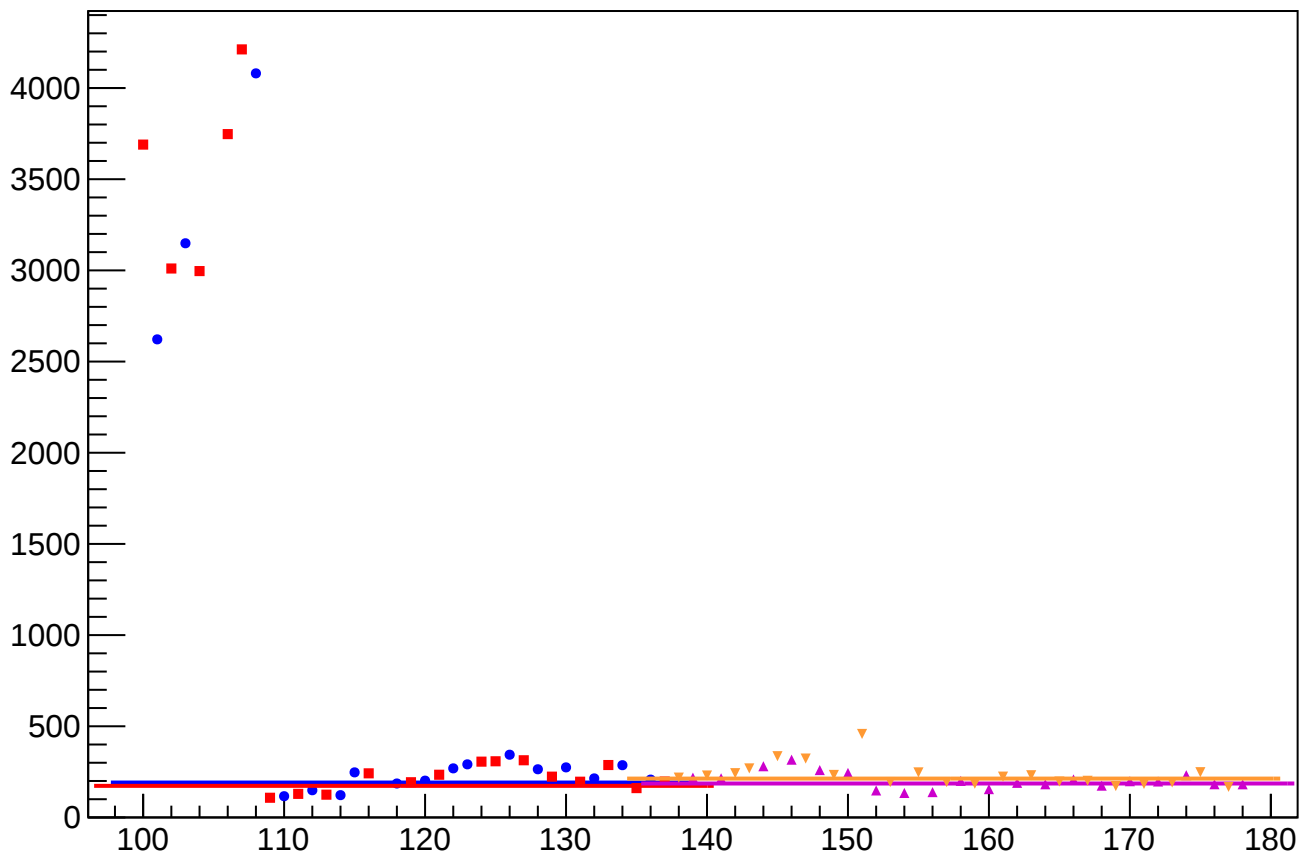
Left In: -27.358+/-49.392 χ^2/NDF : 6.7/19

+ sign 15.122+/-46.930 χ^2/NDF : 18.3/37

All: -7.783+/-31.364 χ^2/NDF : 37.4/76

- sign -26.271+/-42.163 χ^2/NDF : 18.6/38

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: 213.138+/-0.039 χ^2/NDF : 1324067.8/20

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

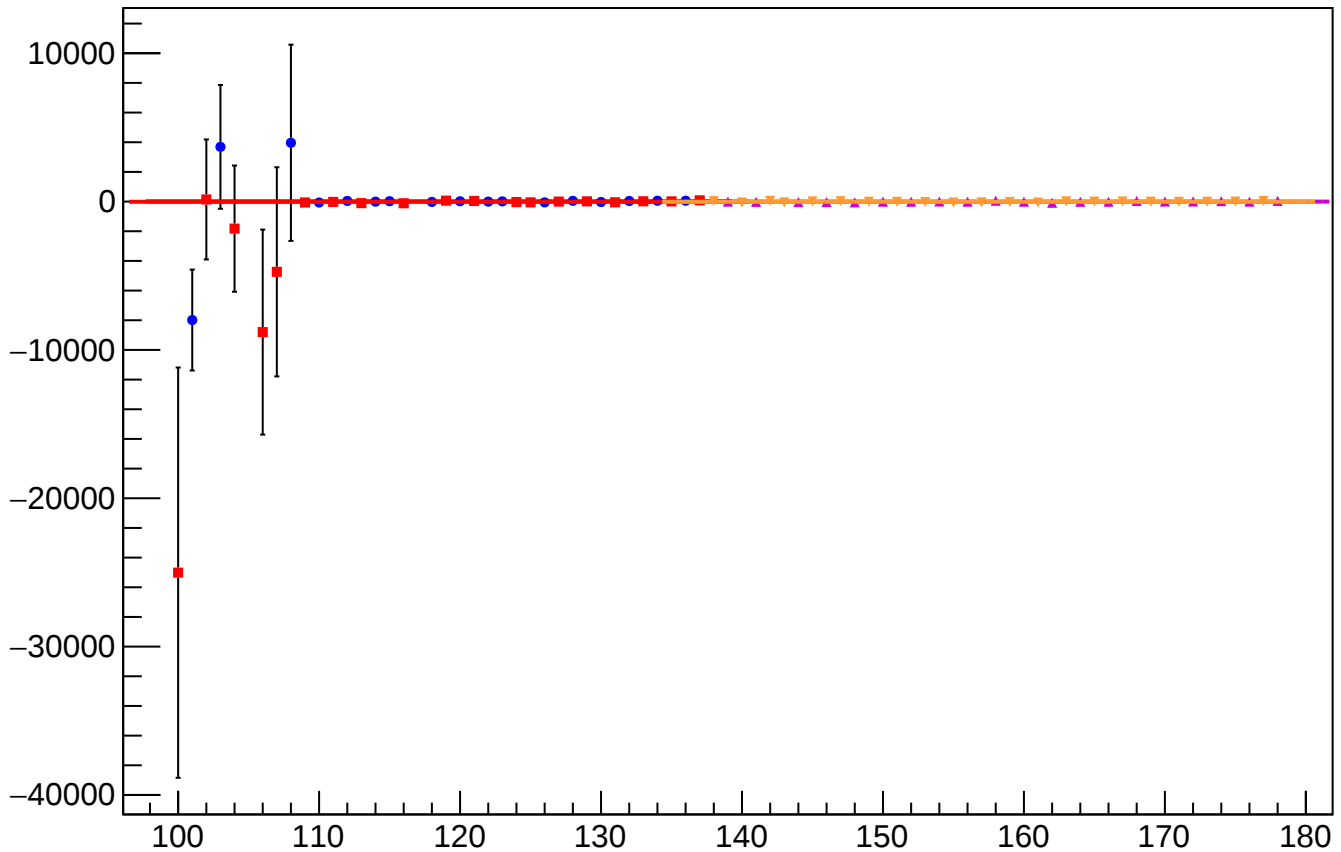
Left In: 186.196+/-0.035 χ^2/NDF : 1383492.6/19

+ sign 207.037+/-0.033 χ^2/NDF : 4983429.3/37

All: 193.568+/-0.022 χ^2/NDF : 10909061.5/76

- sign 182.696+/-0.030 χ^2/NDF : 5627918.4/38

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: -13.121+/-7.253 χ^2/NDF : 19.3/20

Right Out: -12.668+/-12.232 χ^2/NDF : 24.8/18

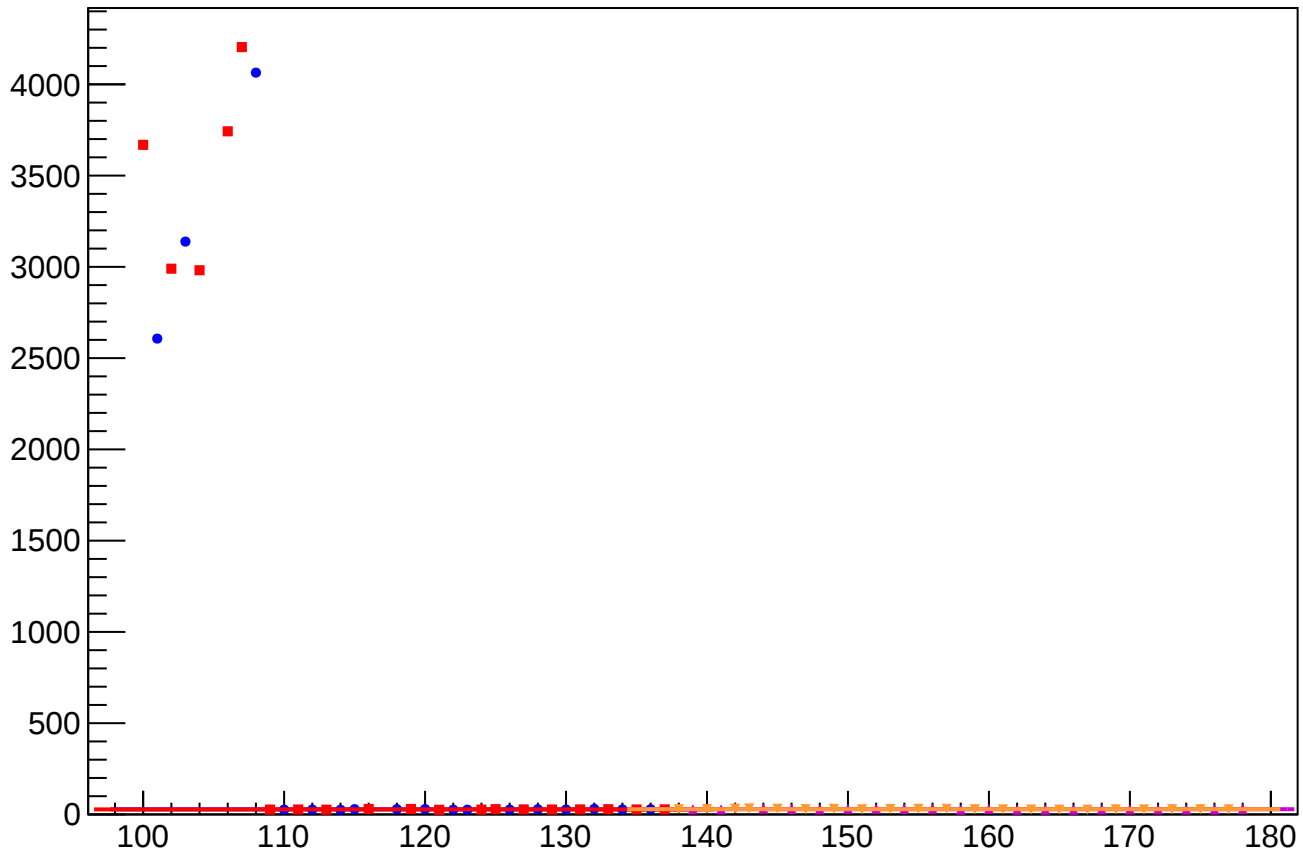
Left In: -1.884+/-7.311 χ^2/NDF : 21.6/19

+ sign -7.069+/-6.245 χ^2/NDF : 40.4/37

All: -5.901+/-4.427 χ^2/NDF : 87.4/76

- sign -4.722+/-6.276 χ^2/NDF : 46.9/38

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 28.811+/-0.005 χ^2/NDF : 98489.7/20

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

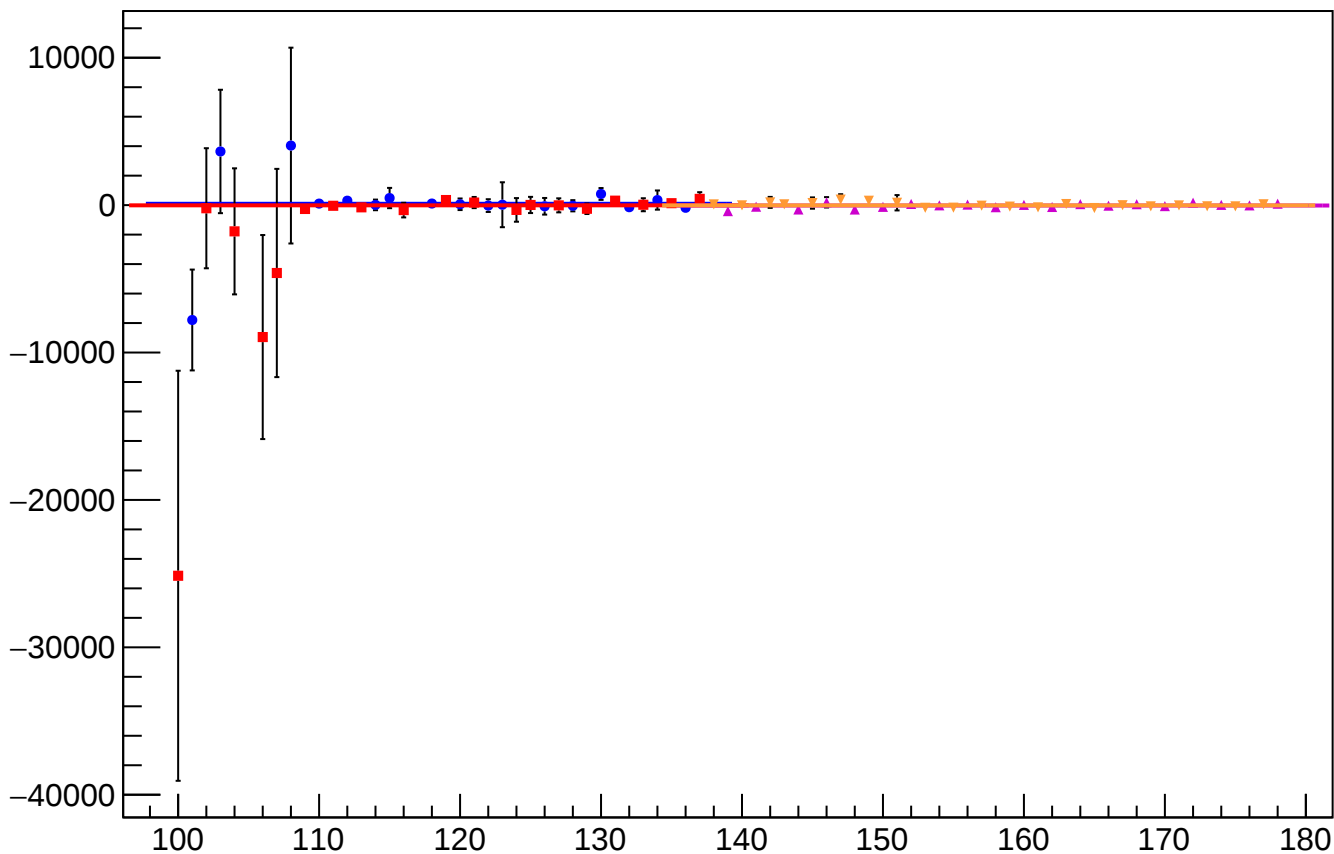
Left In: 28.740+/-0.005 χ^2/NDF : 121077.2/19

+ sign 28.564+/-0.004 χ^2/NDF : 3135143.8/37

All: 28.515+/-0.003 χ^2/NDF : 6744087.4/76

- sign 28.465+/-0.004 χ^2/NDF : 3608695.9/38

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: -16.634+/-55.246 χ^2/NDF : 5.6/20

Right Out: -13.341+/-80.686 χ^2/NDF : 12.7/18

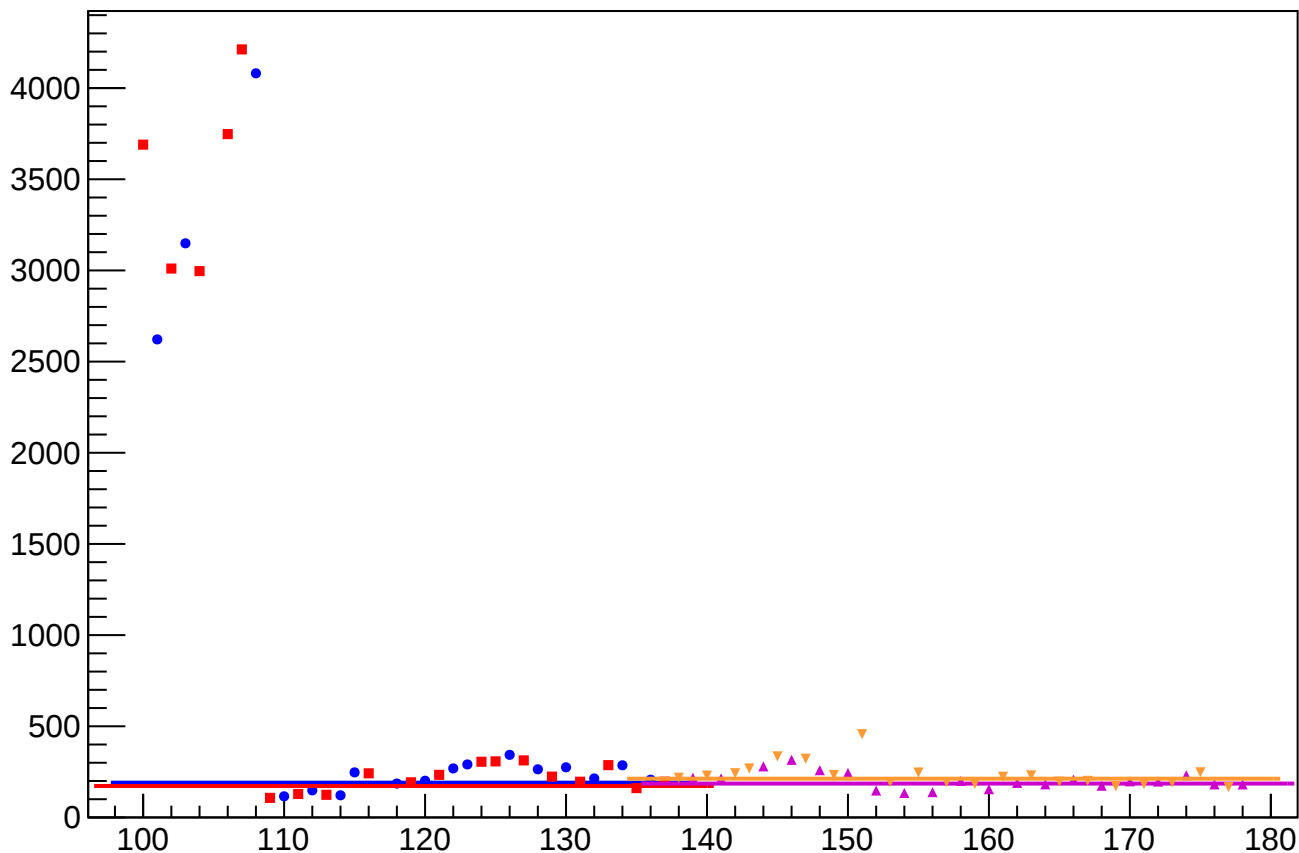
Left In: -25.831+/-49.289 χ^2/NDF : 6.8/19

+ sign 13.657+/-46.812 χ^2/NDF : 19.4/37

All: -6.314+/-31.287 χ^2/NDF : 39.3/76

- sign -22.437+/-42.062 χ^2/NDF : 19.5/38

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770 $\pm$ 0.062 χ^2 /NDF: 3585034.0/16

Left Out: 212.652 $\pm$ 0.039 χ^2 /NDF: 1325155.1/20

Right Out: 172.629 $\pm$ 0.057 χ^2 /NDF: 4218625.1/18

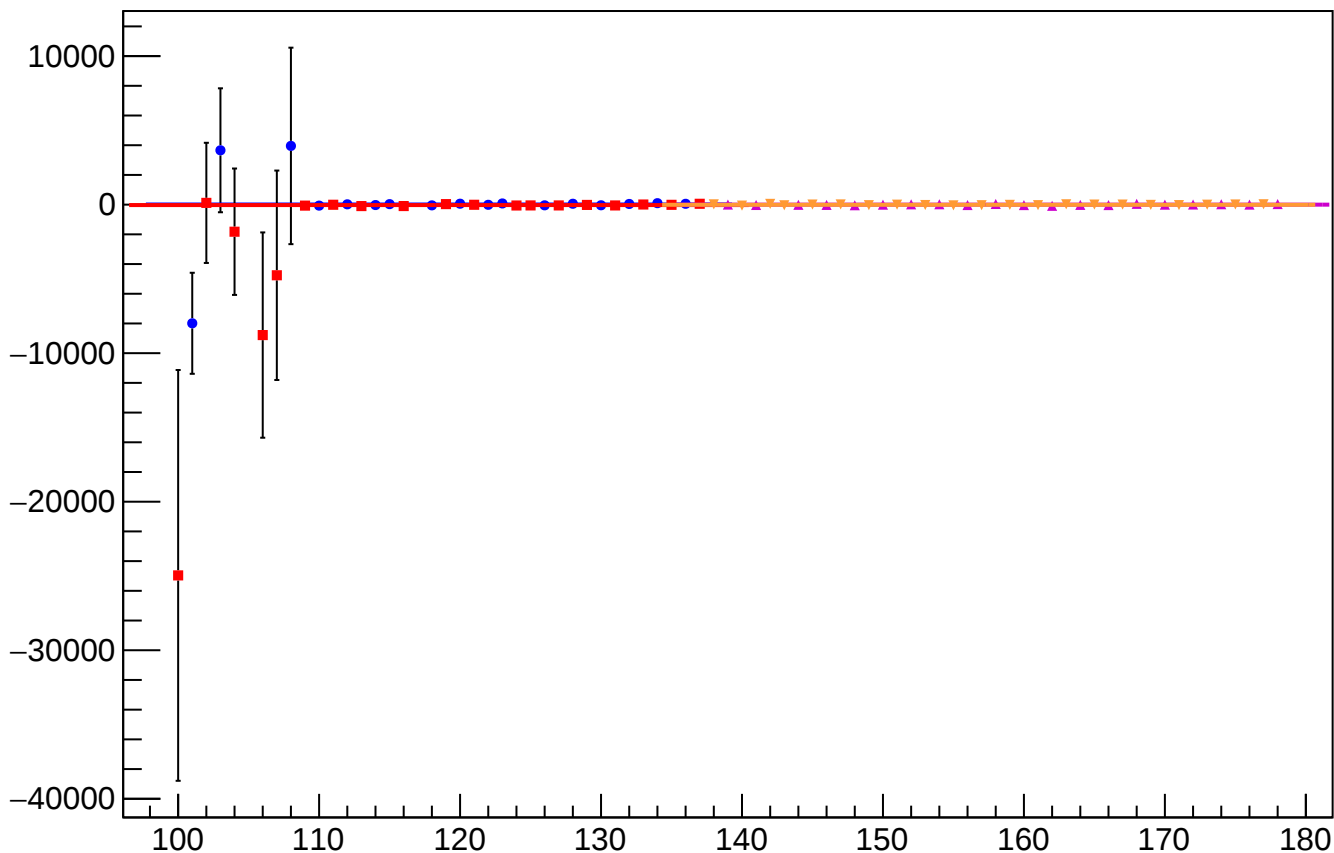
Left In: 185.809 $\pm$ 0.035 χ^2 /NDF: 1383370.9/19

+ sign 206.481 $\pm$ 0.033 χ^2 /NDF: 4998678.6/37

All: 193.061 $\pm$ 0.022 χ^2 /NDF: 10936575.2/70

- sign 182.227 $\pm$ 0.030 χ^2 /NDF: 5640855.9/38

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: -9.874 $\pm$ 7.295 χ^2 /NDF:13.7/20

Right Out: -29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

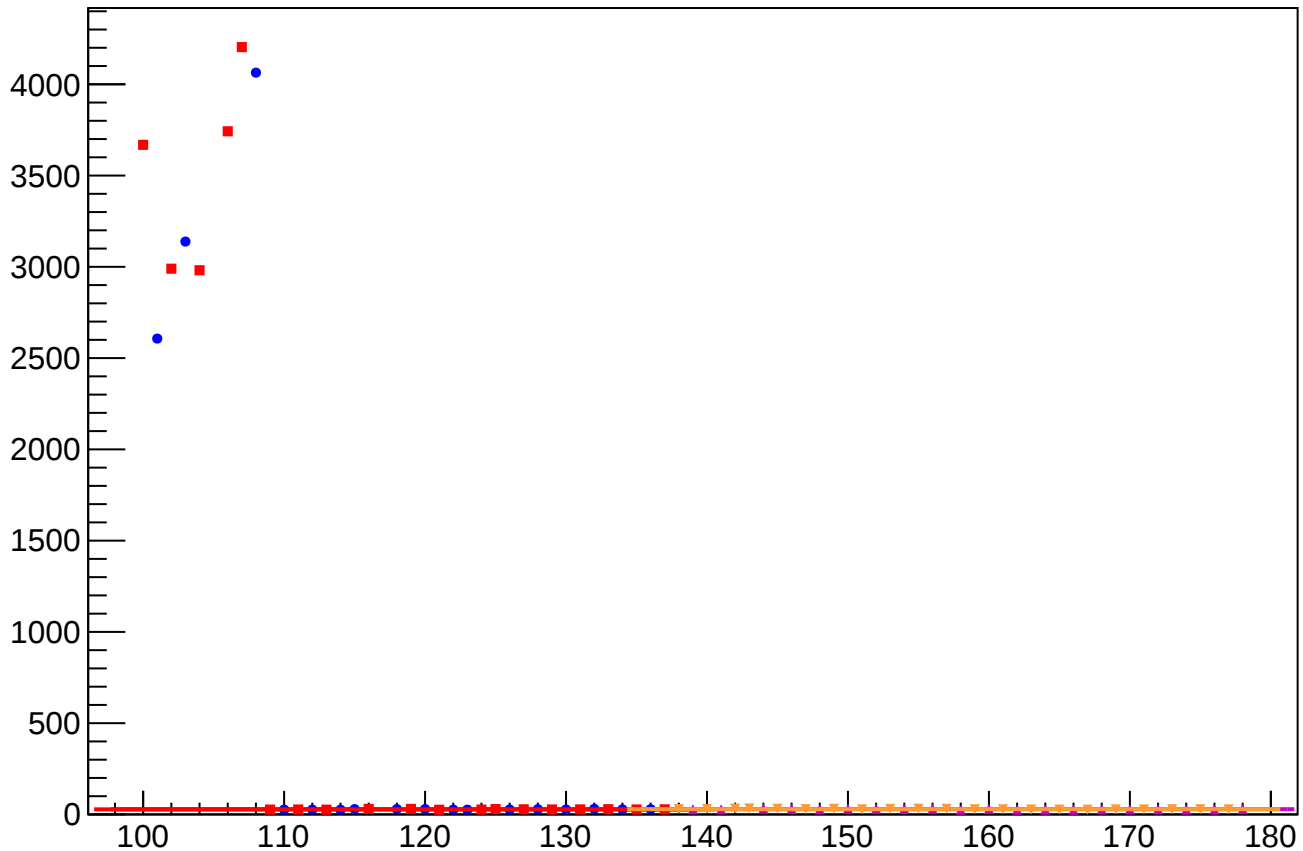
Left In: -1.316 $\pm$ 7.346 χ^2 /NDF:20.3/19

+ sign -5.106 $\pm$ 6.284 χ^2 /NDF: 38.5/37

All: -6.879 $\pm$ 4.453 χ^2 /NDF: 79.6/76

- sign -8.669 $\pm$ 6.311 χ^2 /NDF: 40.9/38

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 28.973 $\pm$ 0.005 χ^2 /NDF: 106071.6/20

Right Out: 27.918 $\pm$ 0.009 χ^2 /NDF: 3479690.8/18

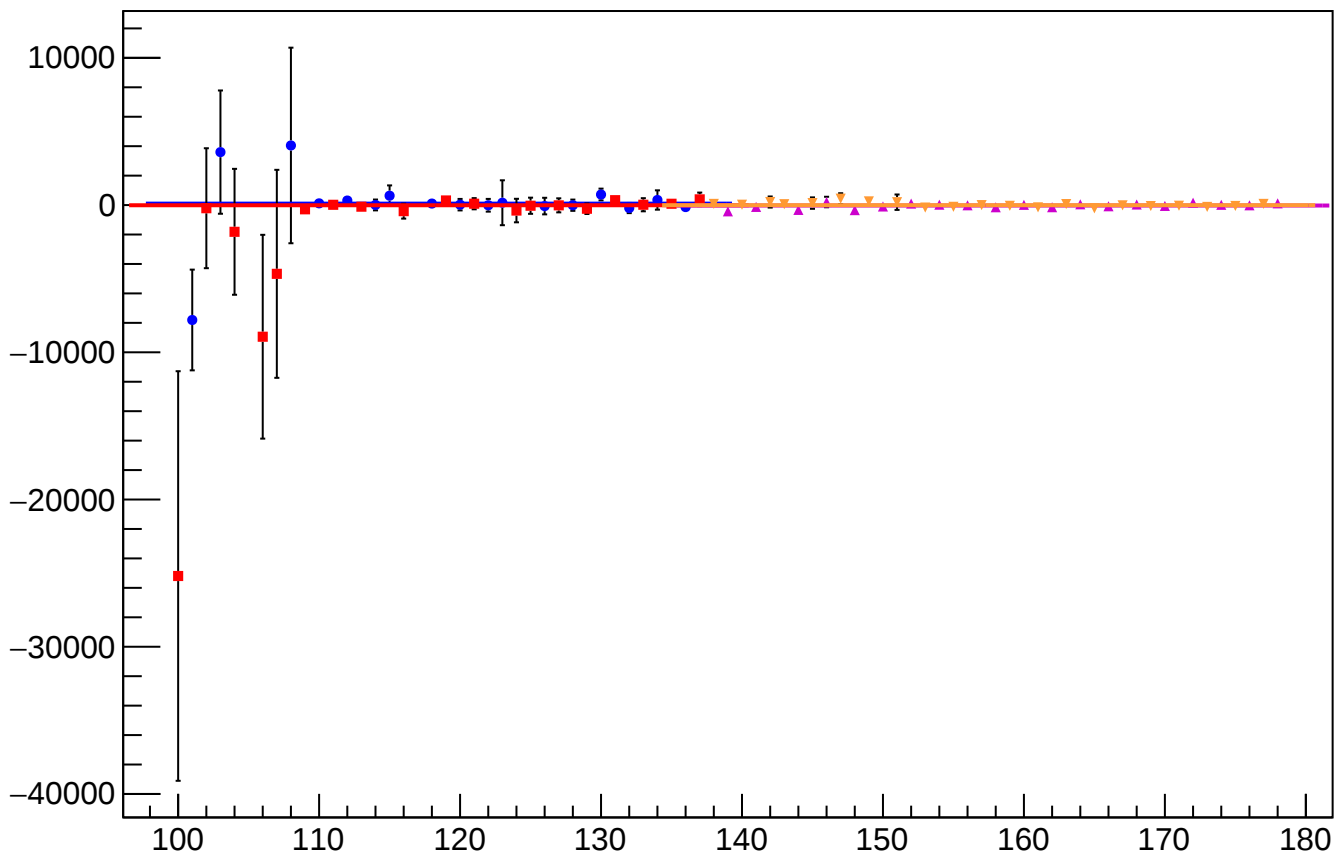
Left In: 28.877 $\pm$ 0.005 χ^2 /NDF: 124722.0/19

+ sign 28.733 $\pm$ 0.004 χ^2 /NDF: 3142350.7/37

All: 28.680 $\pm$ 0.003 χ^2 /NDF: 6755988.2/76

- sign 28.626 $\pm$ 0.004 χ^2 /NDF: 3613346.8/38

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 98.142 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: -7.954 $\pm$ 55.863 χ^2 /NDF: 5.6/20

Right Out: -11.728 $\pm$ 81.772 χ^2 /NDF: 12.3/18

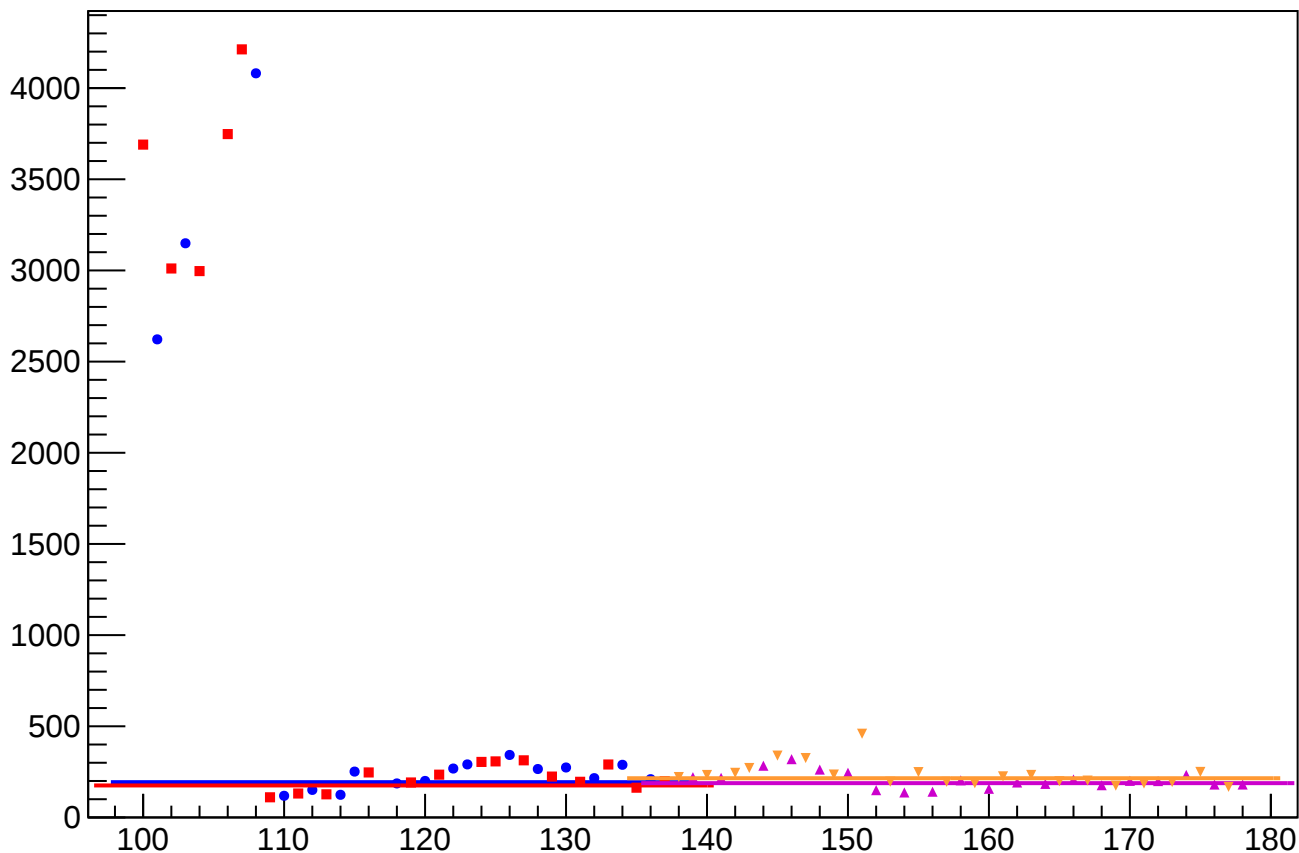
Left In: -30.746 $\pm$ 49.873 χ^2 /NDF: 7.6/19

+ sign 21.933 $\pm$ 47.345 χ^2 /NDF: 19.1/37

All: -4.340 $\pm$ 31.659 χ^2 /NDF: 39.6/76

- sign -25.590 $\pm$ 42.579 χ^2 /NDF: 19.9/38

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: 215.100+/-0.040 χ^2/NDF : 1319139.8/20

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

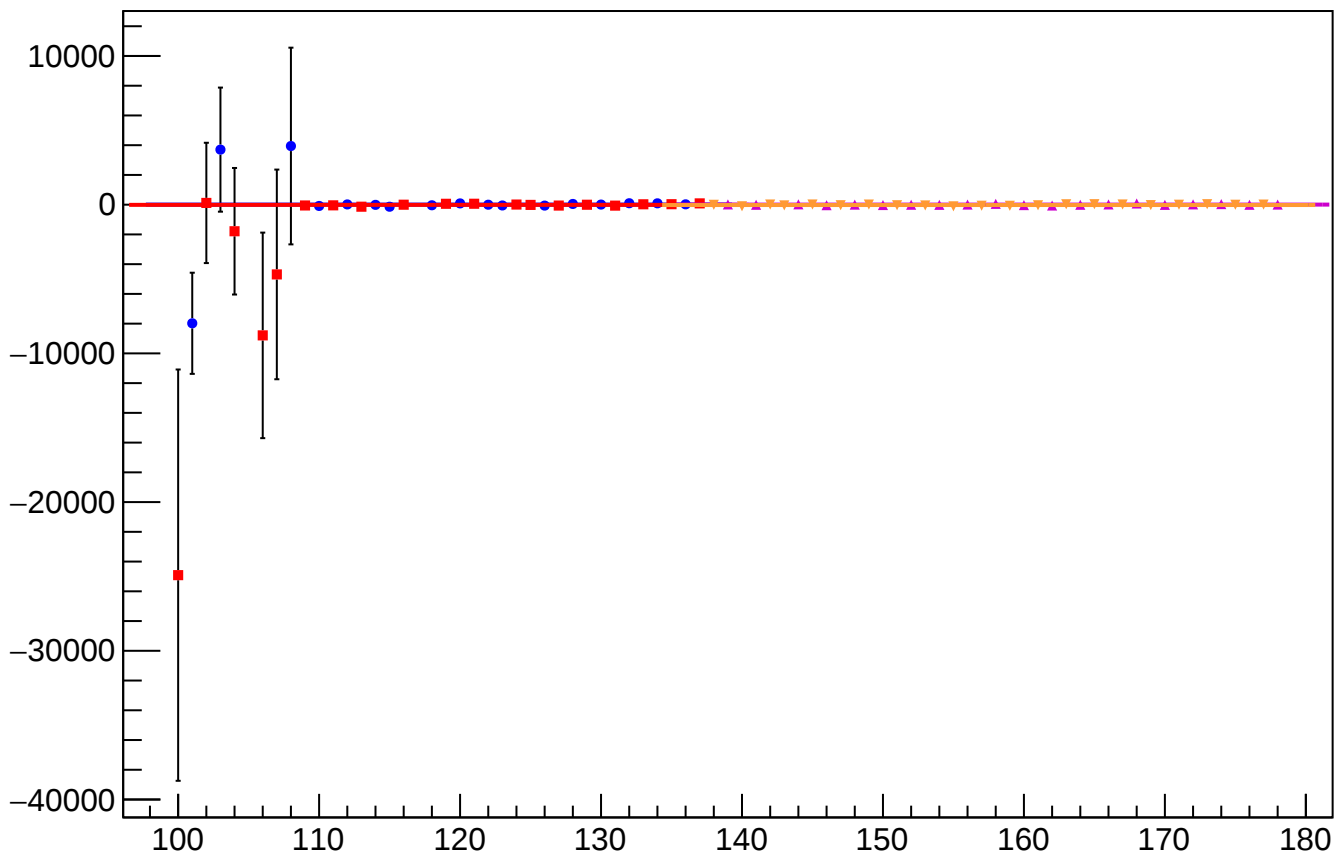
Left In: 188.152+/-0.035 χ^2/NDF : 1354753.6/19

+ sign 209.020+/-0.033 χ^2/NDF : 4940191.1/37

All: 195.588+/-0.022 χ^2/NDF : 10786531.7/76

- sign 184.724+/-0.030 χ^2/NDF : 5555174.5/38

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: -23.619+/-8.722 χ^2 /NDF:23.0/20

Right Out: -12.158+/-14.952 χ^2 /NDF: 21.9/18

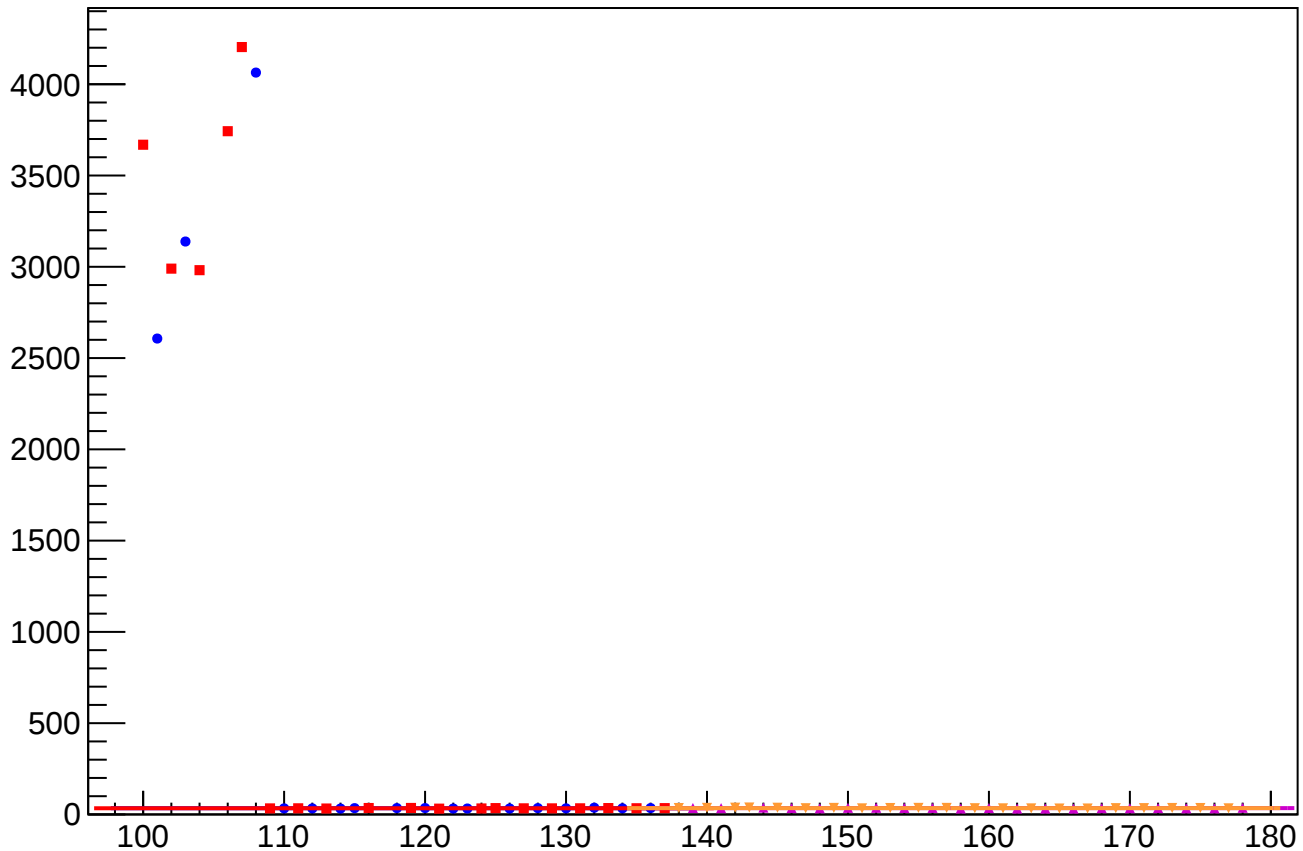
Left In: 5.163+/-8.807 χ^2 /NDF:13.0/19

+ sign -16.283+/-7.546 χ^2 /NDF: 46.2/37

All: -7.839+/-5.351 χ^2 /NDF: 84.7/76

- sign 0.701+/-7.589 χ^2 /NDF: 35.9/38

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 34.693 $\pm$ 0.006 χ^2 /NDF: 50000.6/20

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

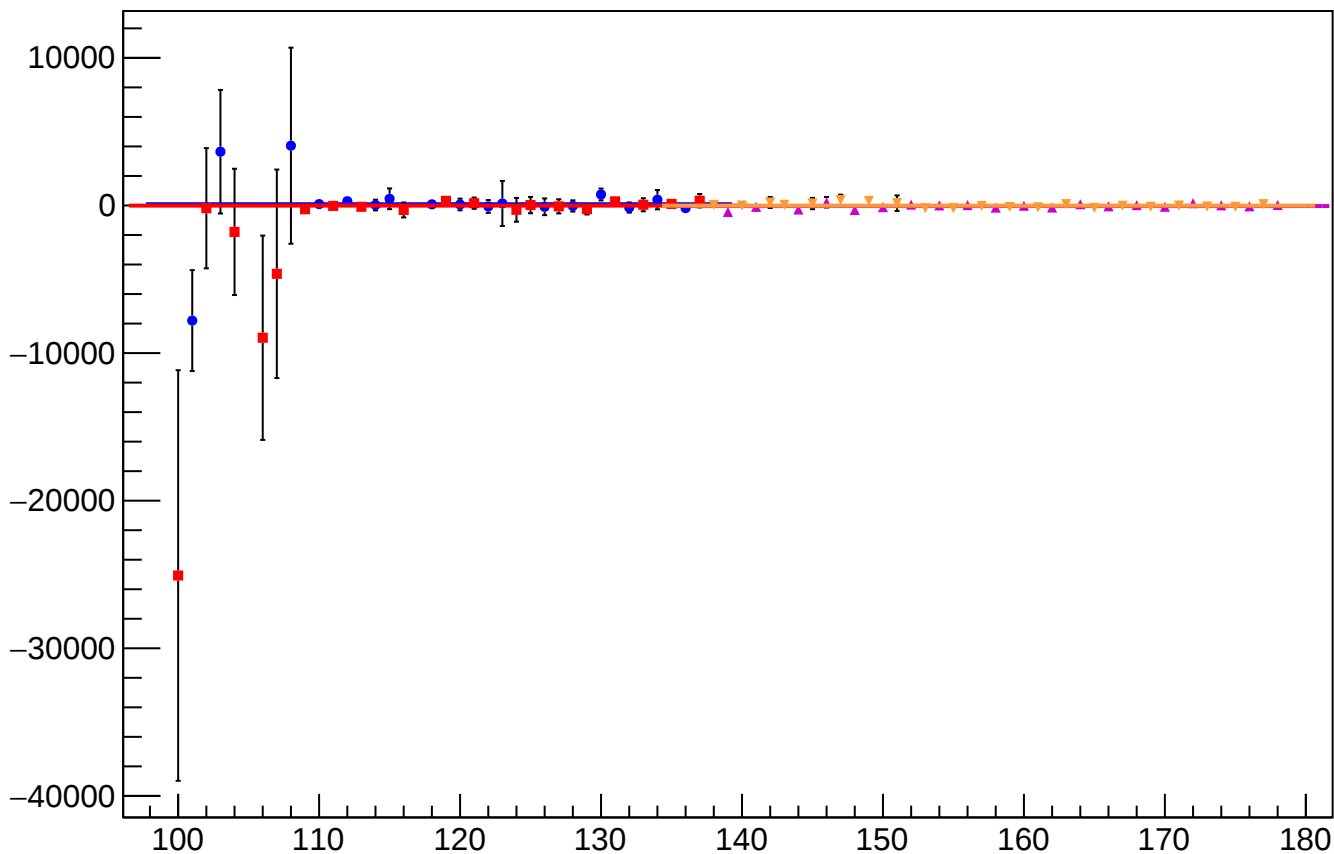
Left In: 34.687 $\pm$ 0.006 χ^2 /NDF: 59118.8/19

+ sign 34.561 $\pm$ 0.005 χ^2 /NDF: 3058337.1/37

All: 34.524 $\pm$ 0.004 χ^2 /NDF: 6573445.1/76

- sign 34.488 $\pm$ 0.005 χ^2 /NDF: 3515014.6/38

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: -10.676+/-55.804 χ^2/NDF : 5.5/20

Right Out: -8.565+/-81.257 χ^2/NDF : 11.1/18

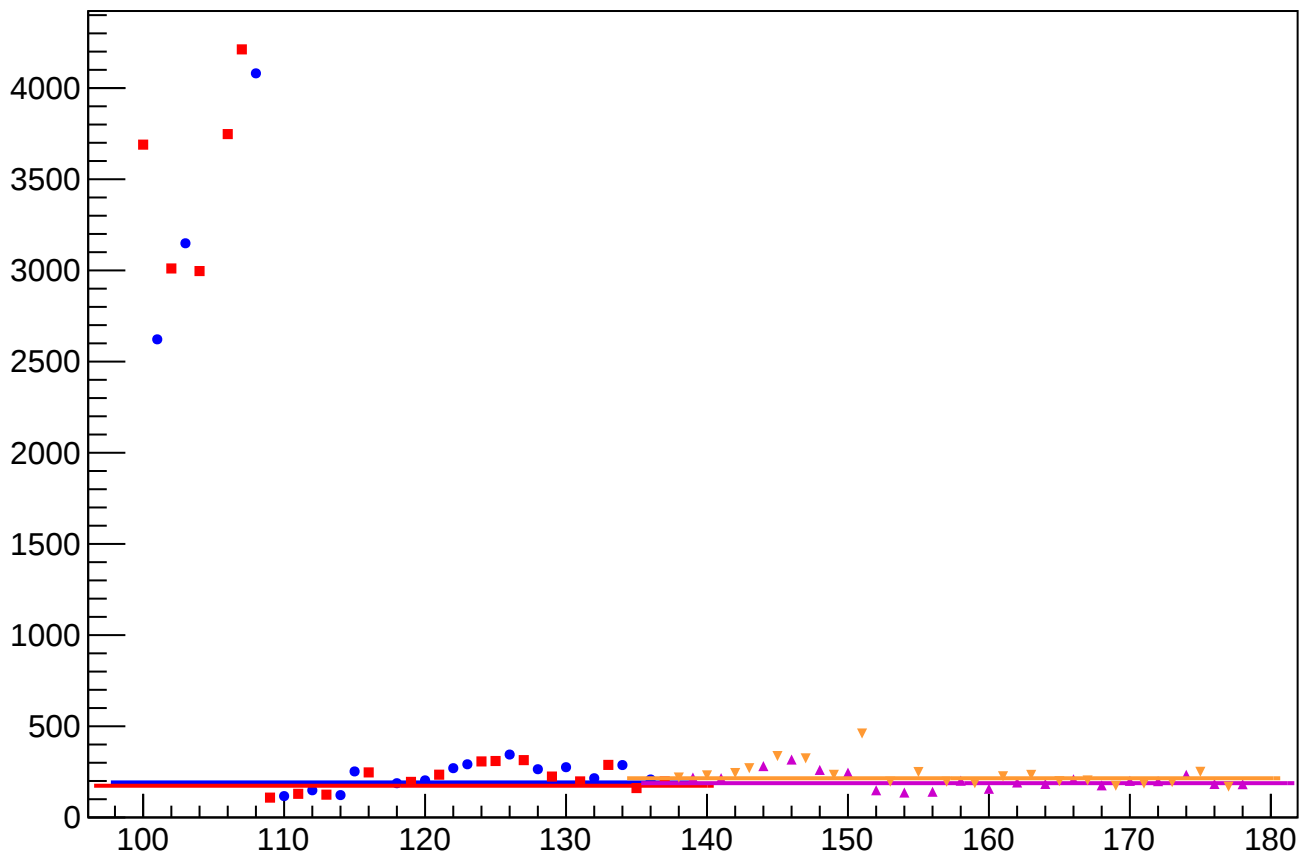
Left In: -38.560+/-49.837 χ^2/NDF : 6.5/19

+ sign 16.294+/-47.241 χ^2/NDF : 18.9/37

All: -9.500+/-31.589 χ^2/NDF : 37.1/76

- sign -30.361+/-42.483 χ^2/NDF : 17.7/38

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: 214.911+/-0.039 χ^2/NDF :1302014.5/20

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

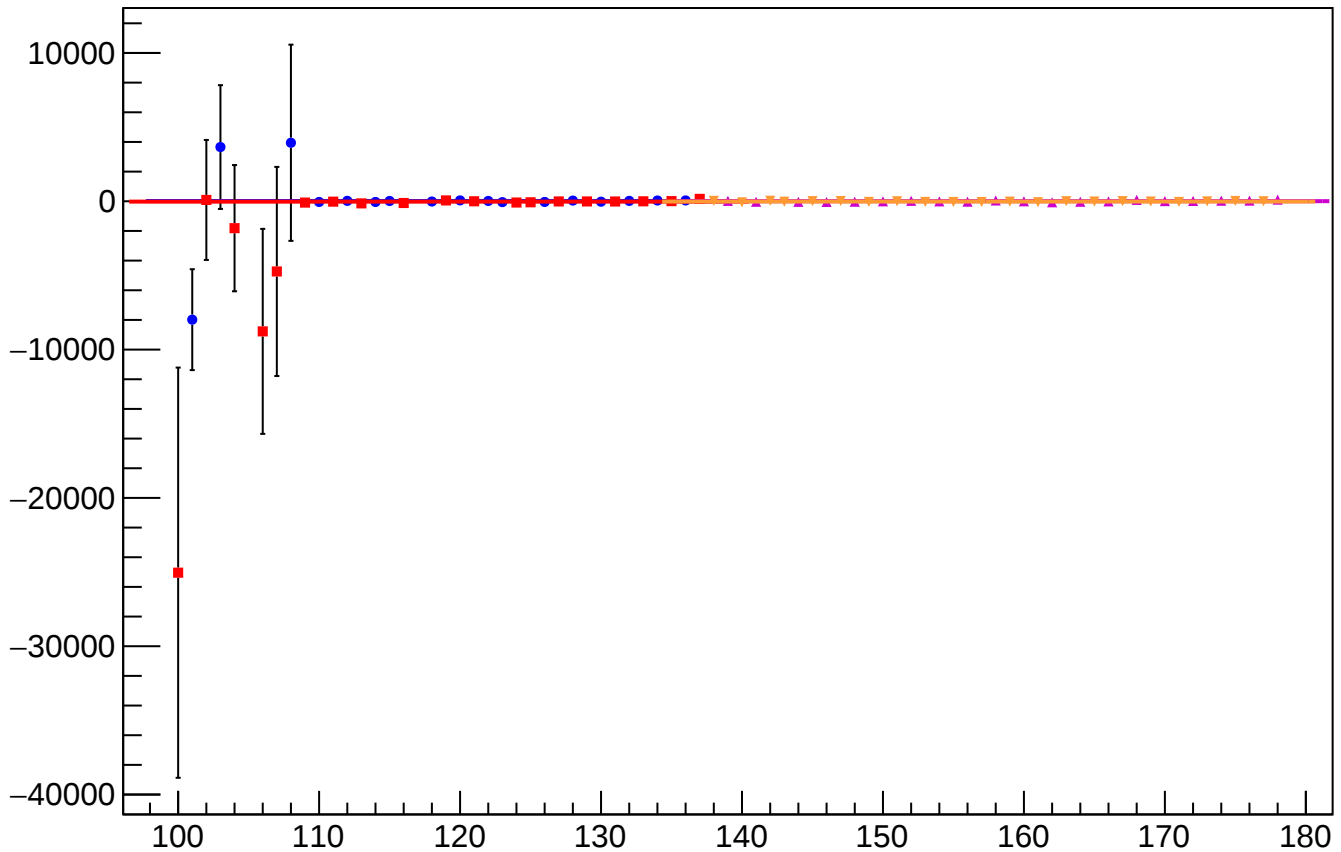
Left In: 188.025+/-0.035 χ^2/NDF :1342112.9/19

+ sign 208.469+/-0.033 χ^2/NDF : 4970686.4/37

All: 195.040+/-0.022 χ^2/NDF : 10860255.9/70

- sign 184.180+/-0.030 χ^2/NDF : 5597266.5/38

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.751 $\pm$ 13.723 χ^2 /NDF: 14.6/16

Left Out: -17.443 $\pm$ 7.924 χ^2 /NDF:14.1/20

Right Out: -22.618 $\pm$ 13.660 χ^2 /NDF: 28.0/18

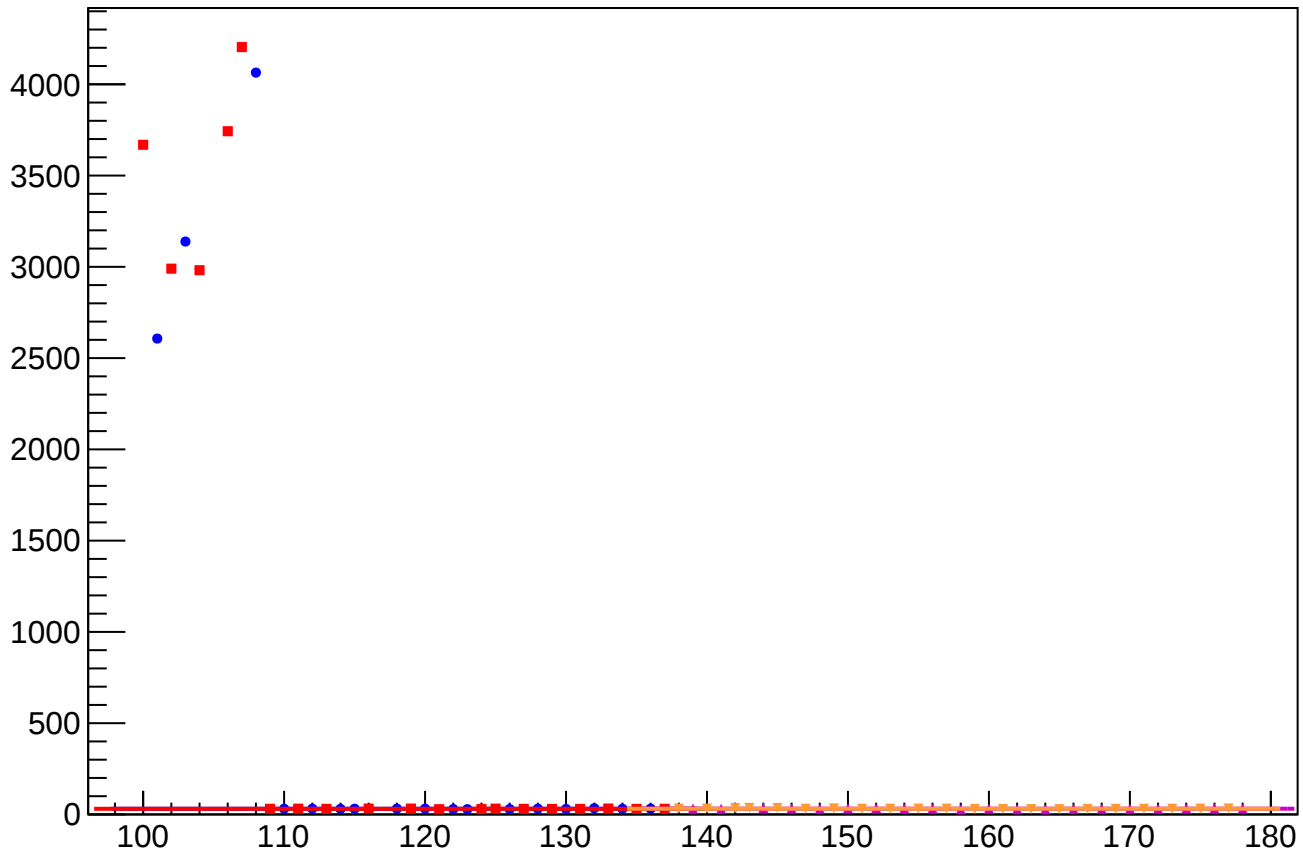
Left In: 7.684 $\pm$ 8.000 χ^2 /NDF:32.6/19

+ sign -9.893 $\pm$ 6.862 χ^2 /NDF: 32.4/37

All: -5.003 $\pm$ 4.867 χ^2 /NDF: 97.6/76

- sign -0.054 $\pm$ 6.903 χ^2 /NDF: 64.2/38

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: 31.494+/-0.006 χ^2/NDF : 76908.8/20

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

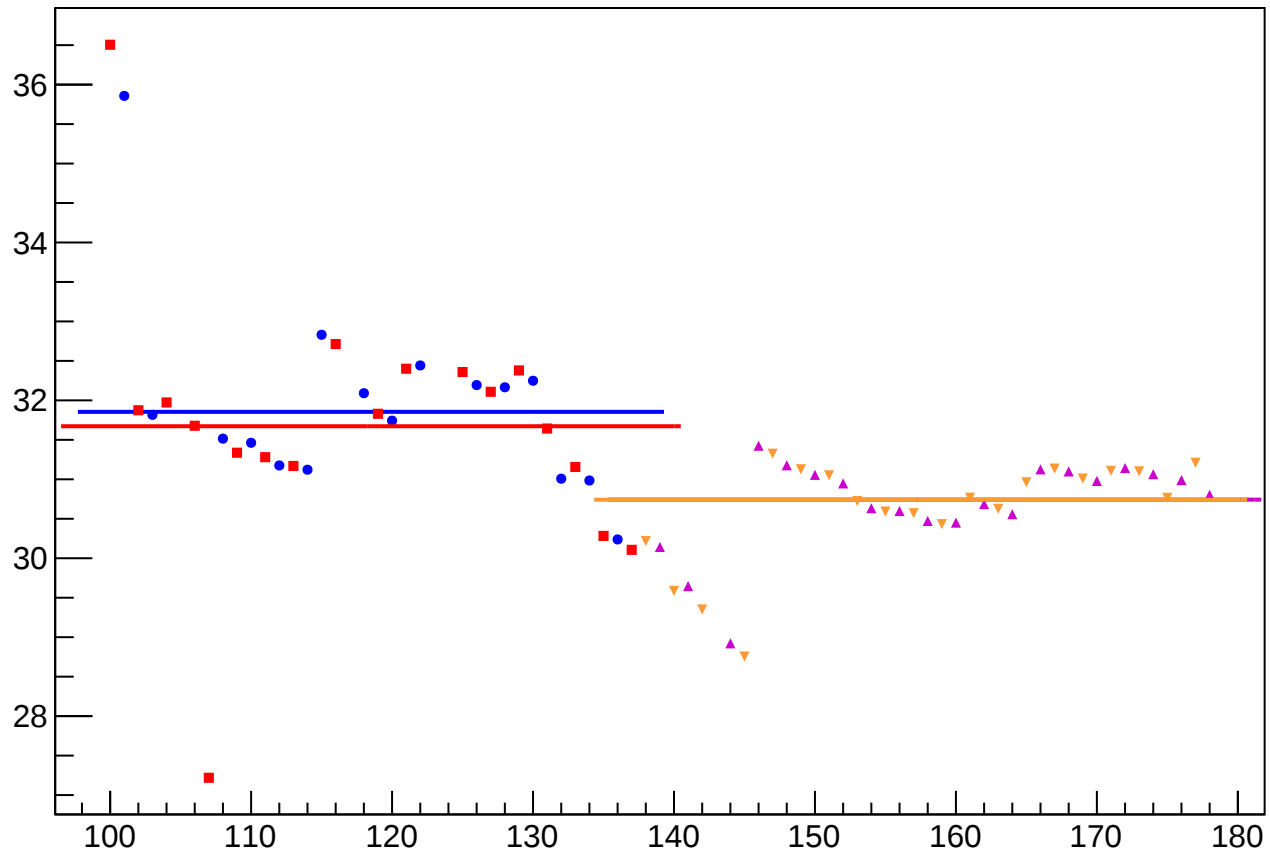
Left In: 31.469+/-0.006 χ^2/NDF : 87207.7/19

+ sign 31.409+/-0.005 χ^2/NDF : 3092352.1/37

All: 31.374+/-0.003 χ^2/NDF : 6640631.6/76

- sign 31.339+/-0.005 χ^2/NDF : 3548177.5/38

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.741+/-0.000 χ^2/NDF : 750315058.5/19

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

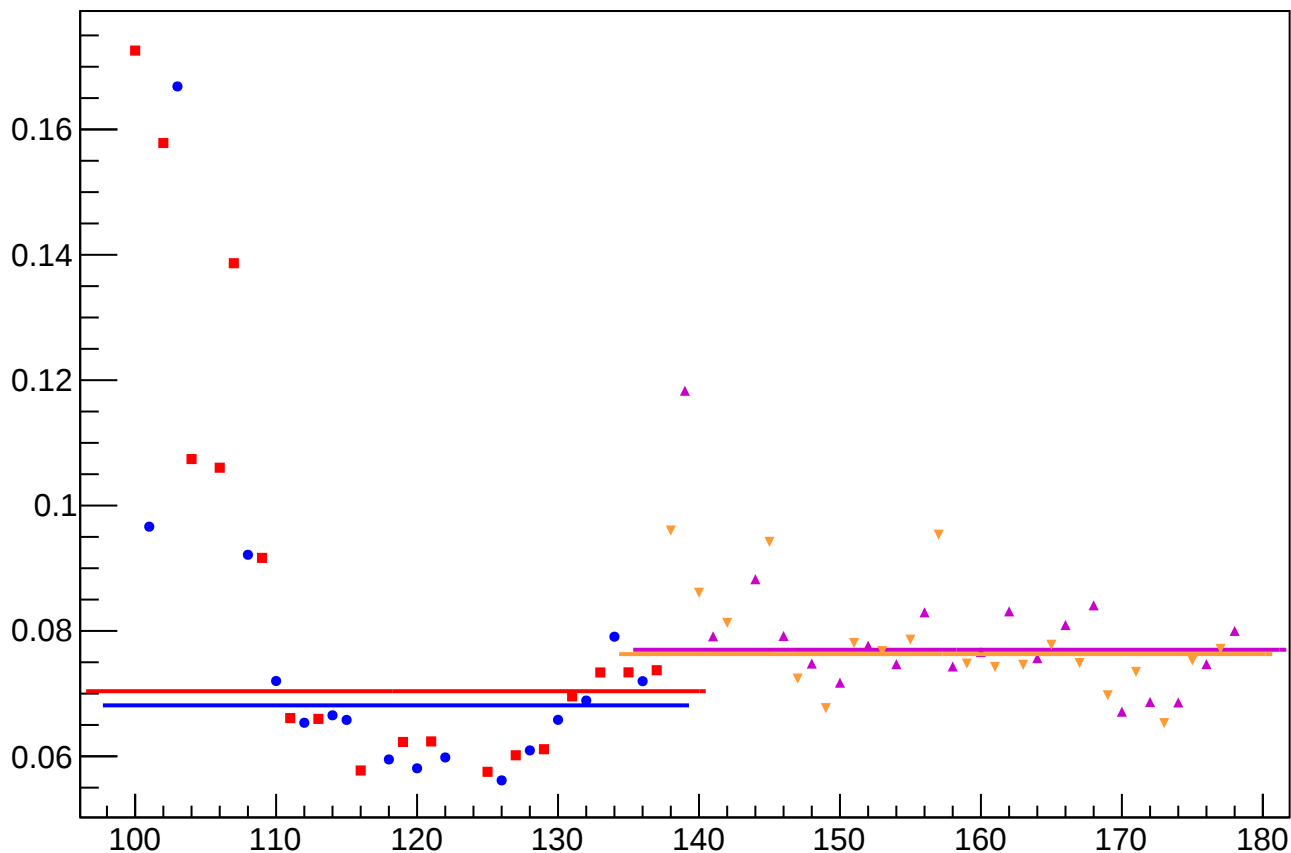
Left In: 30.743+/-0.000 χ^2/NDF : 689595833.6/19

+ sign 31.126+/-0.000 χ^2/NDF : 3329622827.2/35

All: 31.090+/-0.000 χ^2/NDF : 5632888408.9/7

- sign 31.054+/-0.000 χ^2/NDF : 2293957974.0/37

yield_usl_rms vs Slug



Right In: 0.068 ± 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.076 ± 0.000 χ^2/NDF : 267394.3/19

Right Out: 0.070 ± 0.000 χ^2/NDF : 841320.1/17

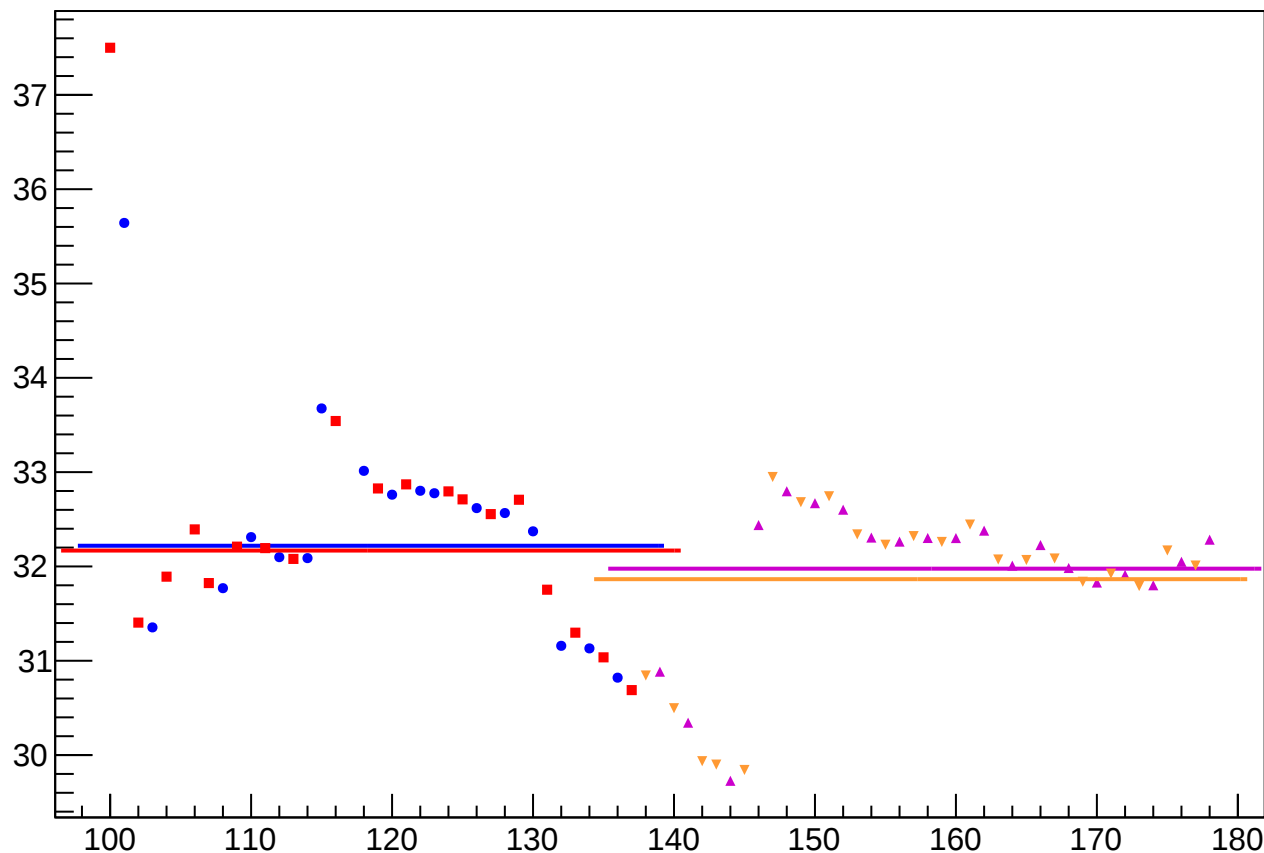
Left In: 0.077 ± 0.000 χ^2/NDF : 316923.9/19

+ sign 0.073 ± 0.000 χ^2/NDF : 1005933.9/35

All: 0.074 ± 0.000 χ^2/NDF : 2239776.1/73

- sign 0.075 ± 0.000 χ^2/NDF : 1227692.0/37

yield_usr_mean vs Slug



Right In: 32.220 $\pm$ 0.000 χ^2 /NDF: 1013864543.3/16

Left Out: 31.865 $\pm$ 0.000 χ^2 /NDF:1842808445.9/20

Right Out: 32.168 $\pm$ 0.000 χ^2 /NDF: 442298310.3/18

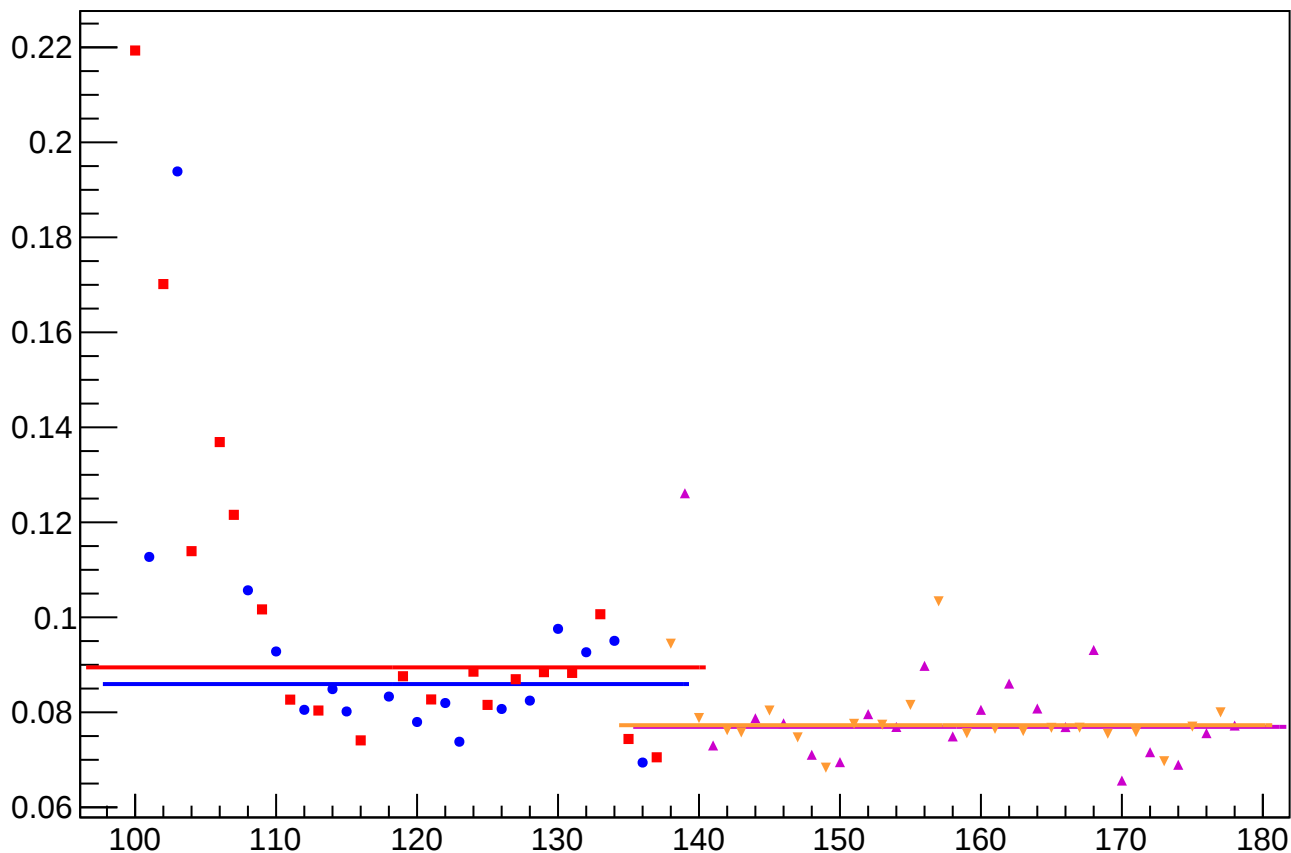
Left In: 31.976 $\pm$ 0.000 χ^2 /NDF:1420992181.4/19

+ sign 31.952 $\pm$ 0.000 χ^2 /NDF: 2931094787.4/37

All: 31.987 $\pm$ 0.000 χ^2 /NDF: 4823877161.3/7

- sign 32.023 $\pm$ 0.000 χ^2 /NDF: 1884768452.3/38

yield_usr_rms vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 553280.3/16

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 181937.9/20

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 539869.9/18

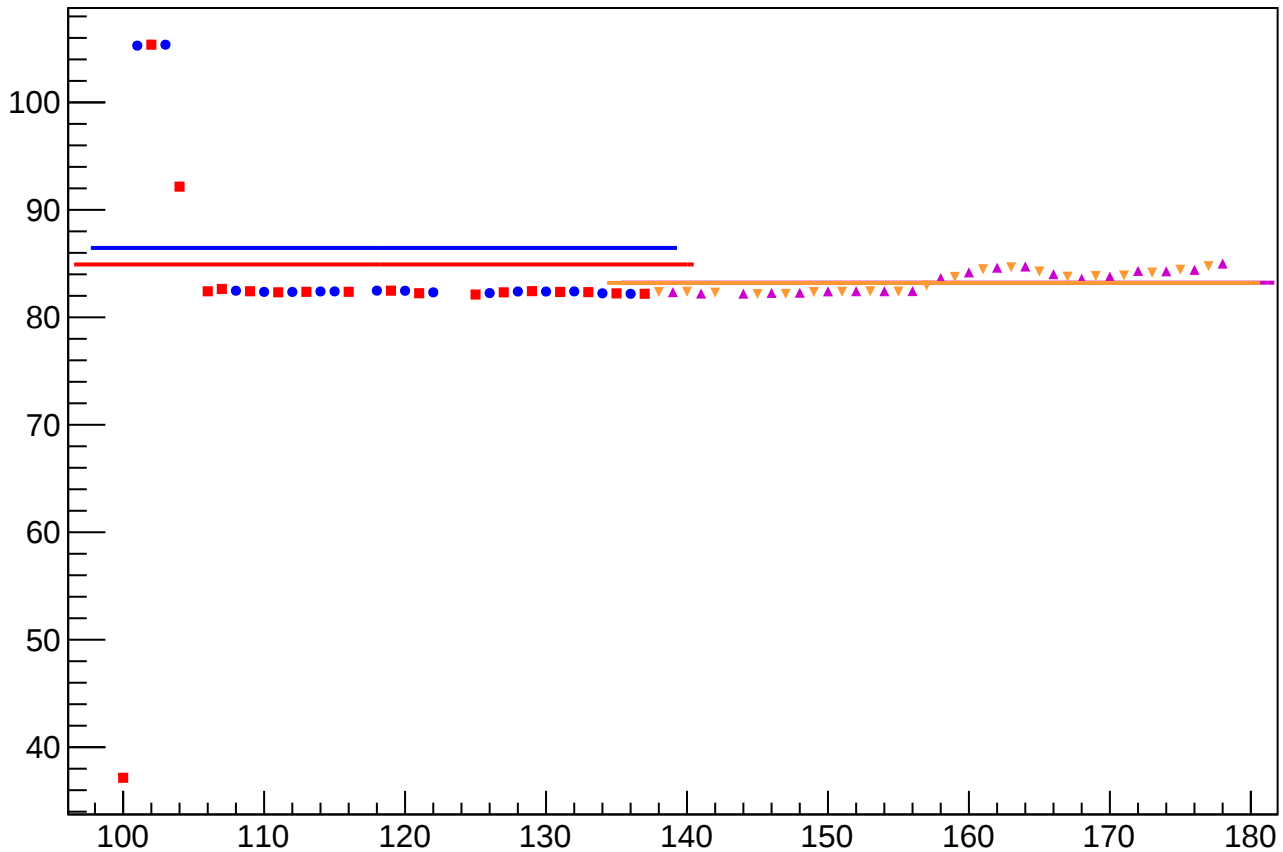
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF: 421649.9/19

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 824099.4/37

All: 0.080 $\pm$ 0.000 χ^2 /NDF: 1969168.8/76

- sign 0.080 $\pm$ 0.000 χ^2 /NDF: 1144086.3/38

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 83.204+/-0.000 χ^2/NDF : 6581991047.8/19

Right Out: 84.920+/-0.000 χ^2/NDF : 172195187677.7/17

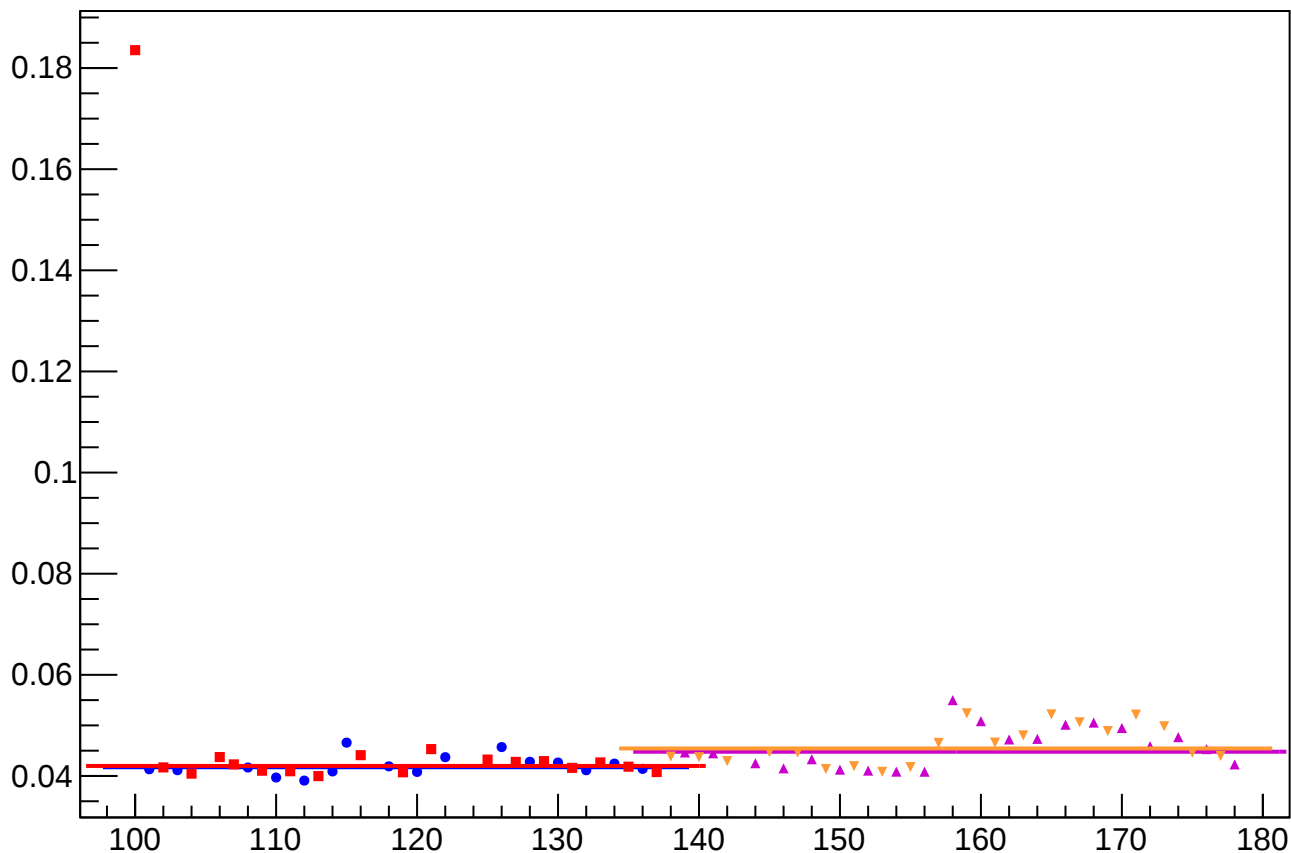
Left In: 83.225+/-0.000 χ^2/NDF : 7671291749.3/19

+ sign 84.330+/-0.000 χ^2/NDF : 324073668698.4/35

All: 84.060+/-0.000 χ^2/NDF : 512875786796.

- sign 83.803+/-0.000 χ^2/NDF : 187254938689.0/37

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:180939.3/19

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96869.3/17

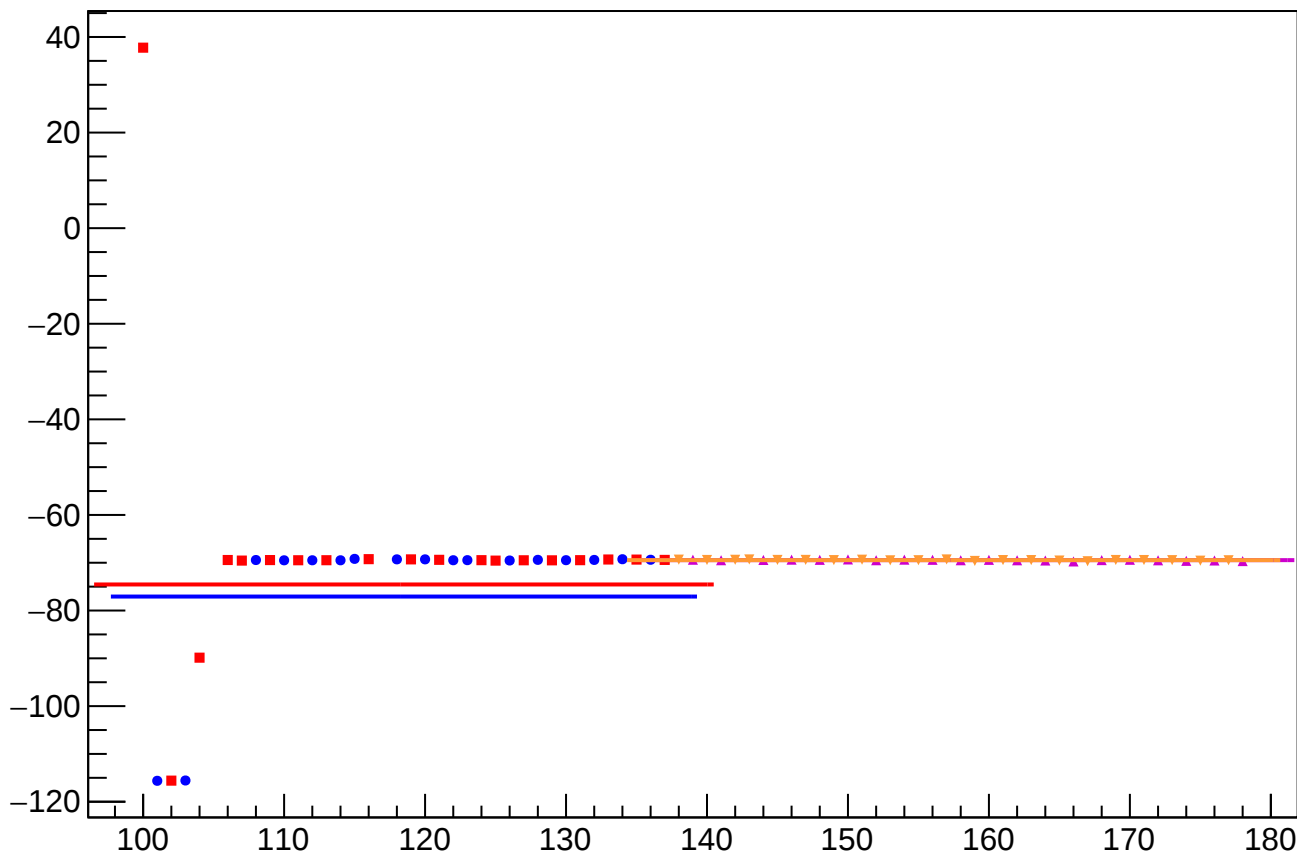
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:215601.2/19

+ sign 0.044 $\pm$ 0.000 χ^2 /NDF: 267693.8/35

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 621999.5/73

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 353156.0/37

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.457+/-0.000 χ^2/NDF : 42817343.1/20

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

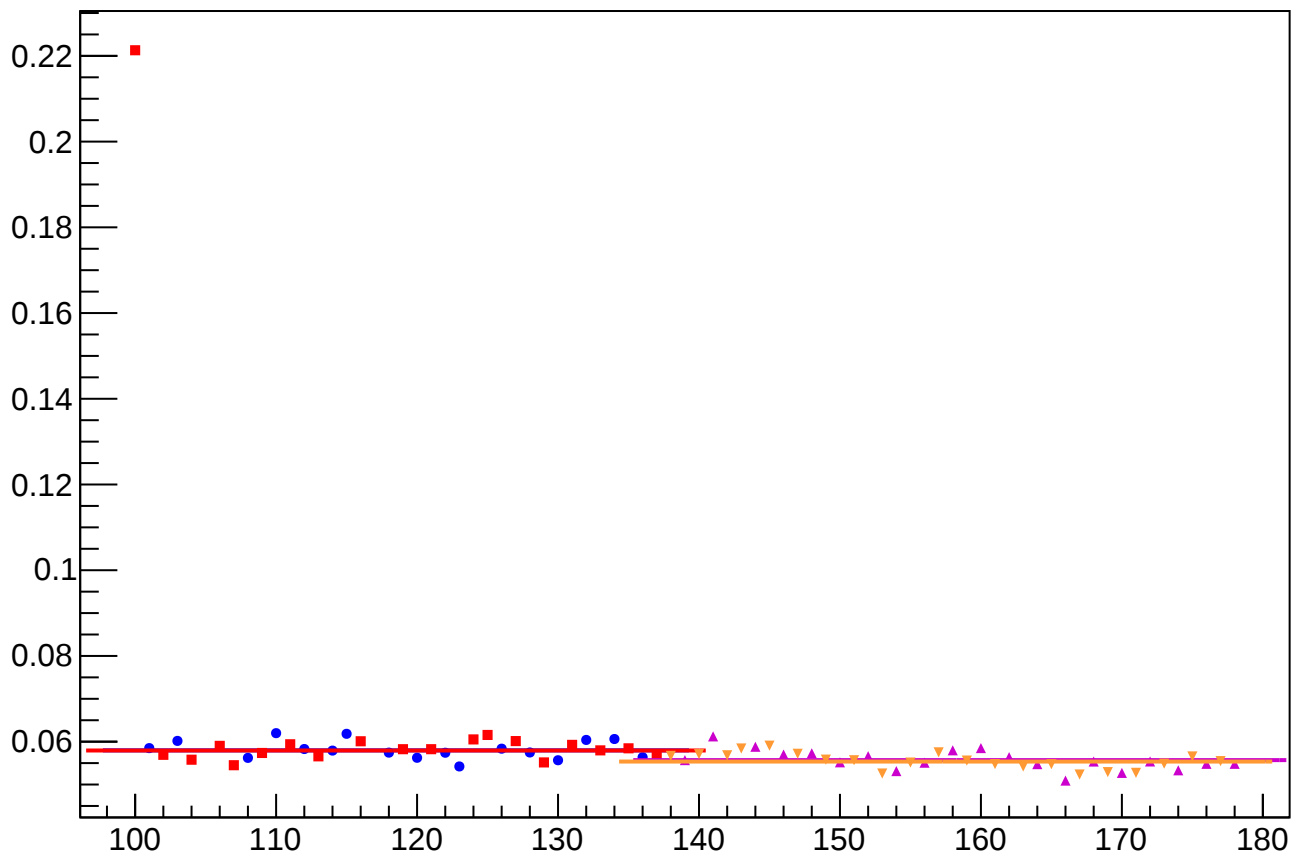
Left In: -69.457+/-0.000 χ^2/NDF : 51449201.6/19

+ sign -71.573+/-0.000 χ^2/NDF : 645679011264.9/3

All: -71.271+/-0.000 χ^2/NDF : 105608513511

- sign -70.968+/-0.000 χ^2/NDF : 409146827627.7/38

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.055+/-0.000 χ^2/NDF : 34073.8/20

Right Out: 0.058+/-0.000 χ^2/NDF : 86466.5/18

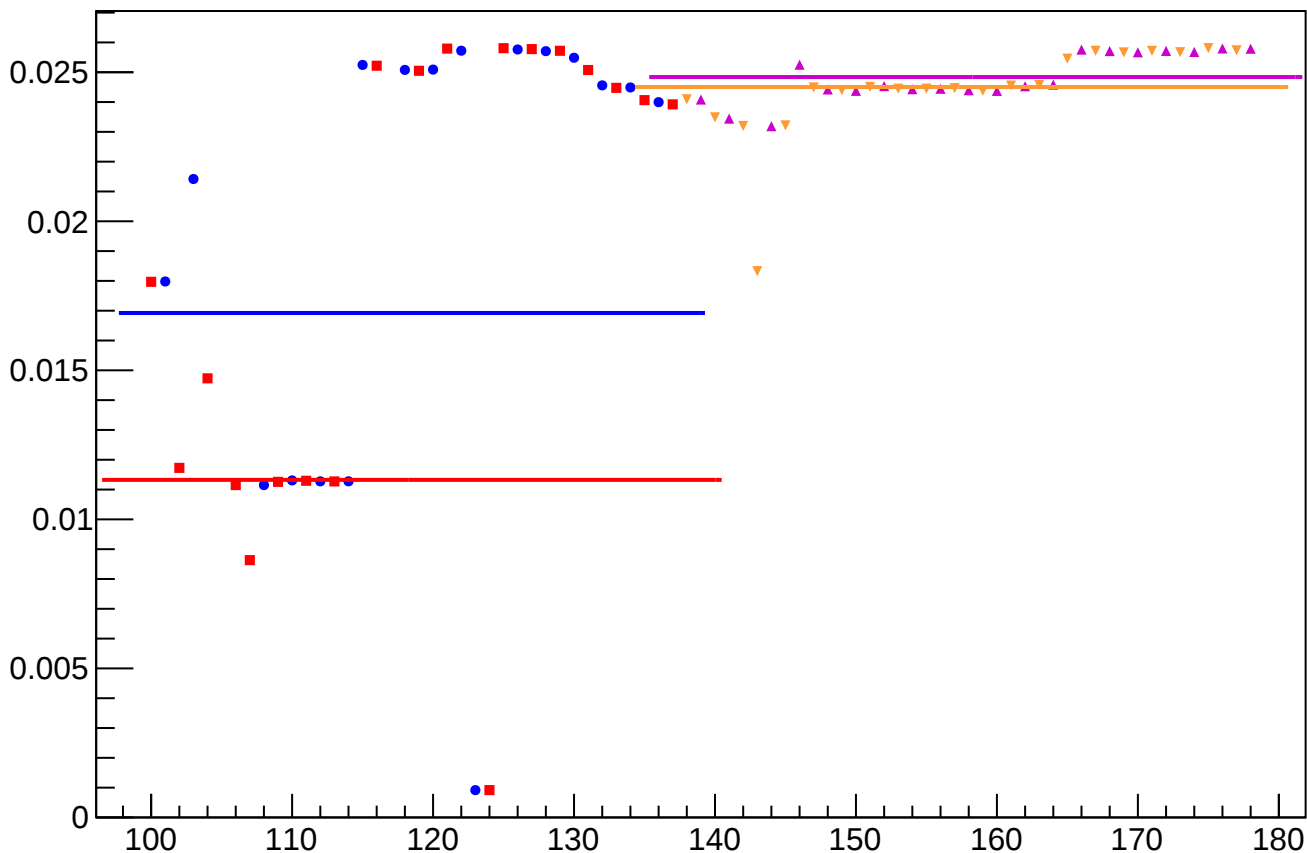
Left In: 0.056+/-0.000 χ^2/NDF : 49271.3/19

+ sign 0.056+/-0.000 χ^2/NDF : 65173.3/37

All: 0.056+/-0.000 χ^2/NDF : 215926.2/76

- sign 0.056+/-0.000 χ^2/NDF : 150234.7/38

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7581943768.3/20

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 196878407556.5/37

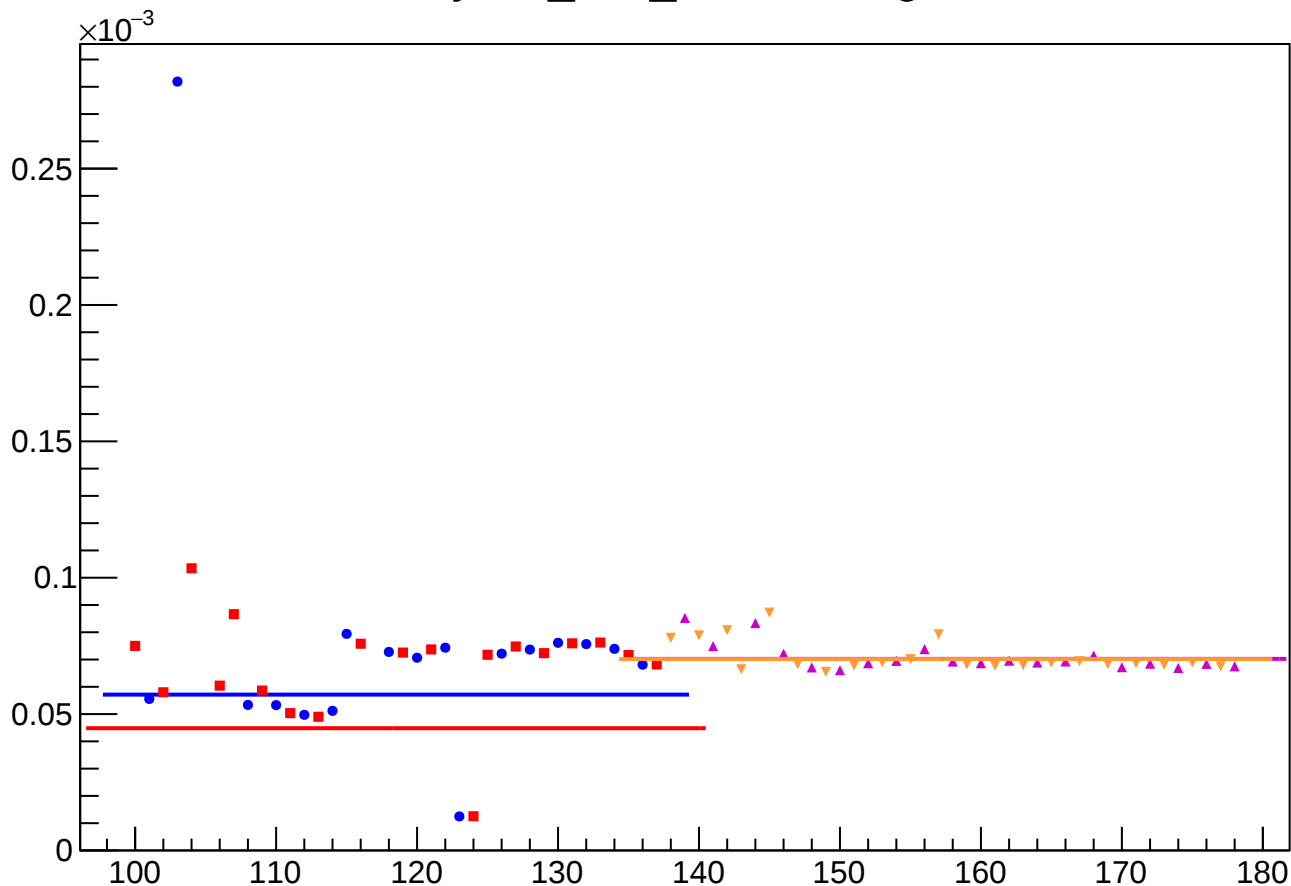
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 234754769754.2/18

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 702066058592.1

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 483237526185.3/38

Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 1798443773.4/19

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 :149184.8/20

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

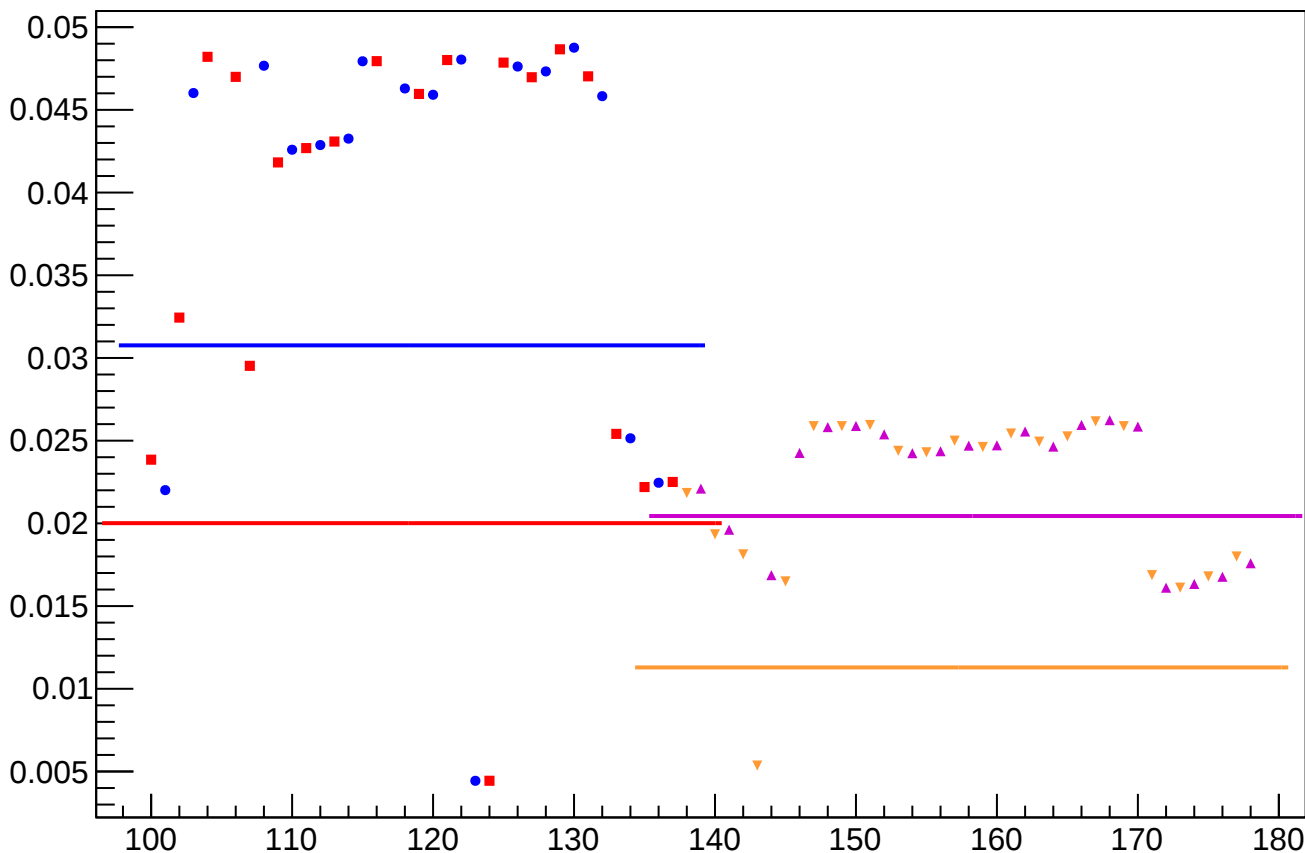
Left In: 0.000+/-0.000 χ^2/NDF :121684.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 2520196.9/37

All: 0.000+/-0.000 χ^2/NDF : 8194089.7/76

- sign 0.000+/-0.000 χ^2/NDF : 5458629.8/38

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.011+/-0.000 χ^2/NDF : 35203427615.2/20

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

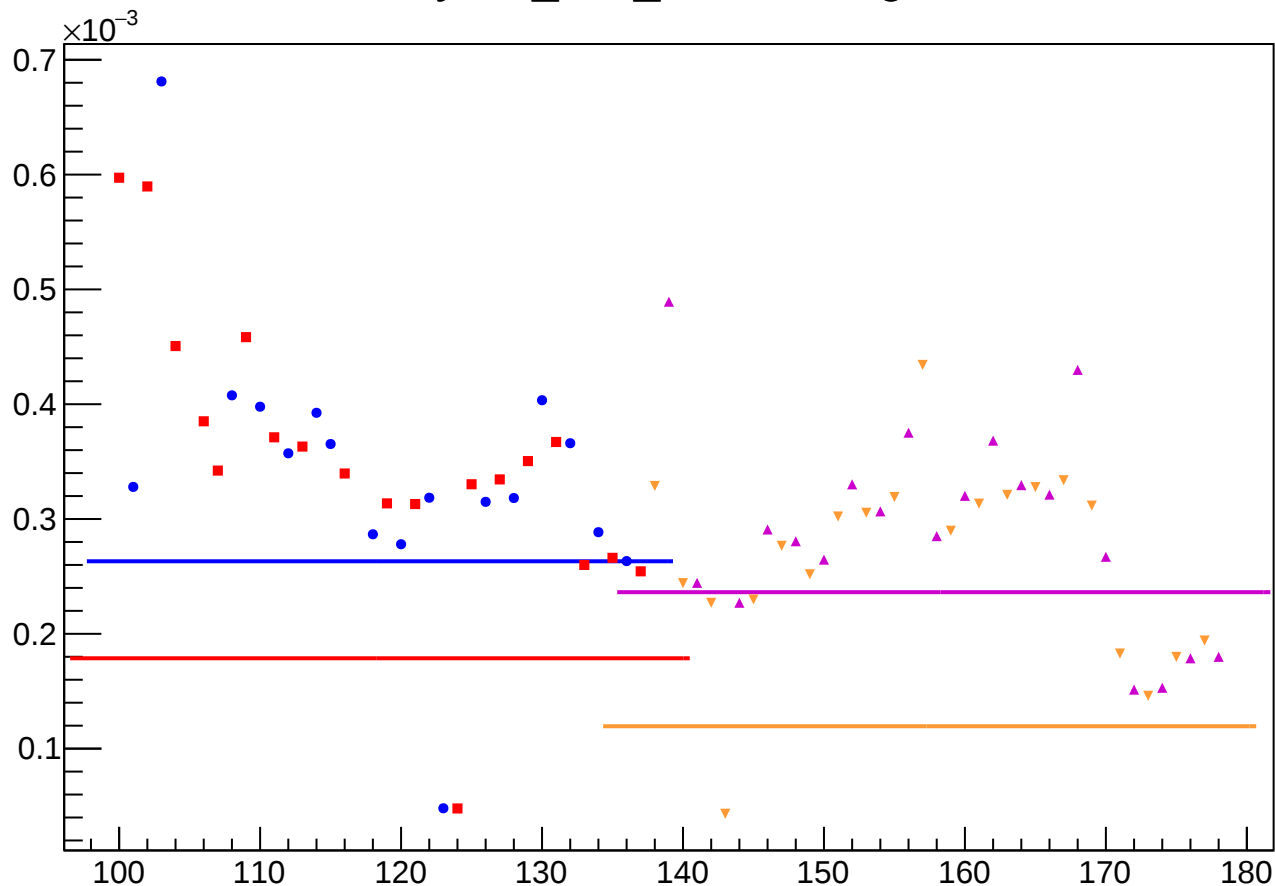
Left In: 0.020+/-0.000 χ^2/NDF : 3992024889.0/19

+ sign 0.013+/-0.000 χ^2/NDF : 80258848337.7/37

All: 0.016+/-0.000 χ^2/NDF : 134910432974.4

- sign 0.020+/-0.000 χ^2/NDF : 44017857873.6/38

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 :12422688.8/20

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

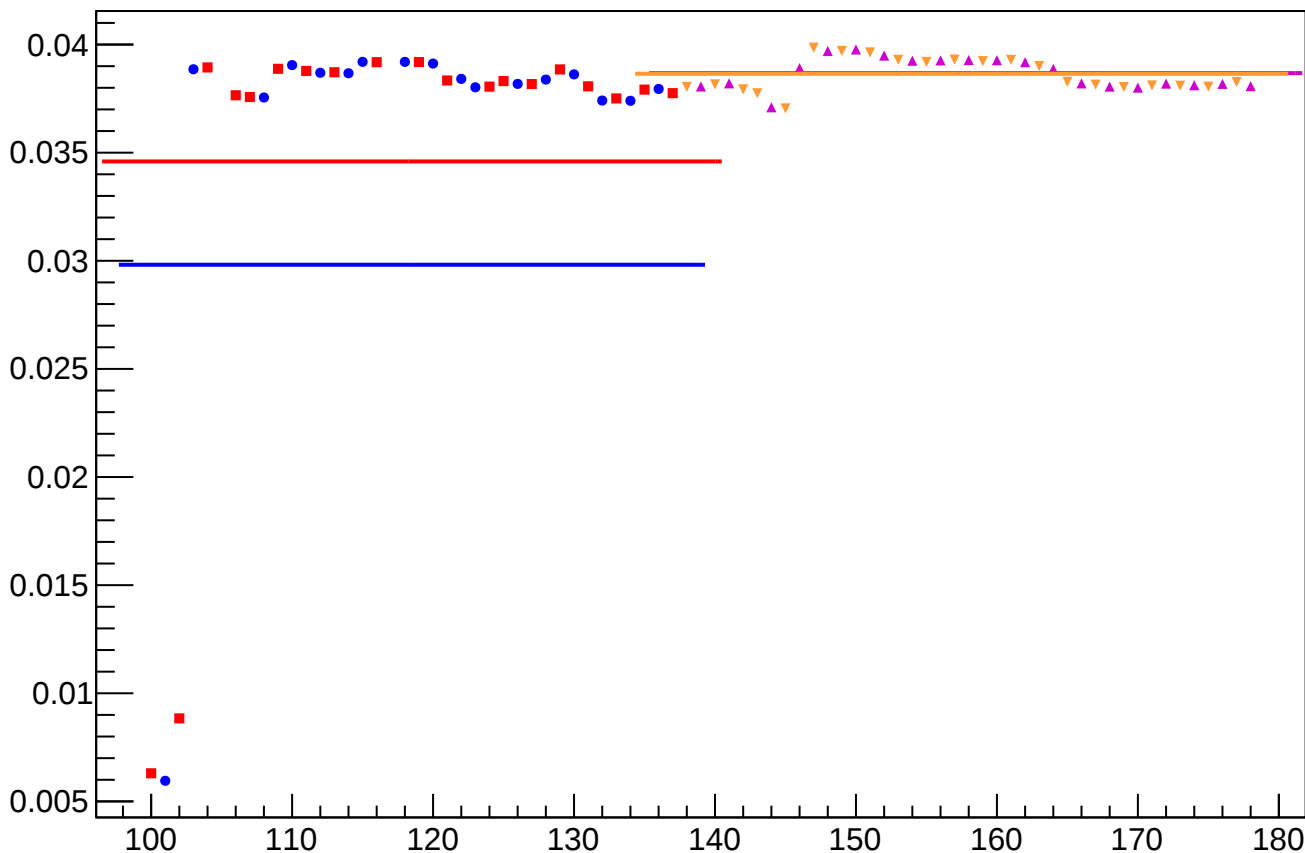
Left In: 0.000+/-0.000 χ^2/NDF :2860526.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 17425287.7/37

All: 0.000+/-0.000 χ^2/NDF : 29145517.0/76

- sign 0.000+/-0.000 χ^2/NDF : 8716997.3/38

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: 488232158.2/20

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43669374279.3/18

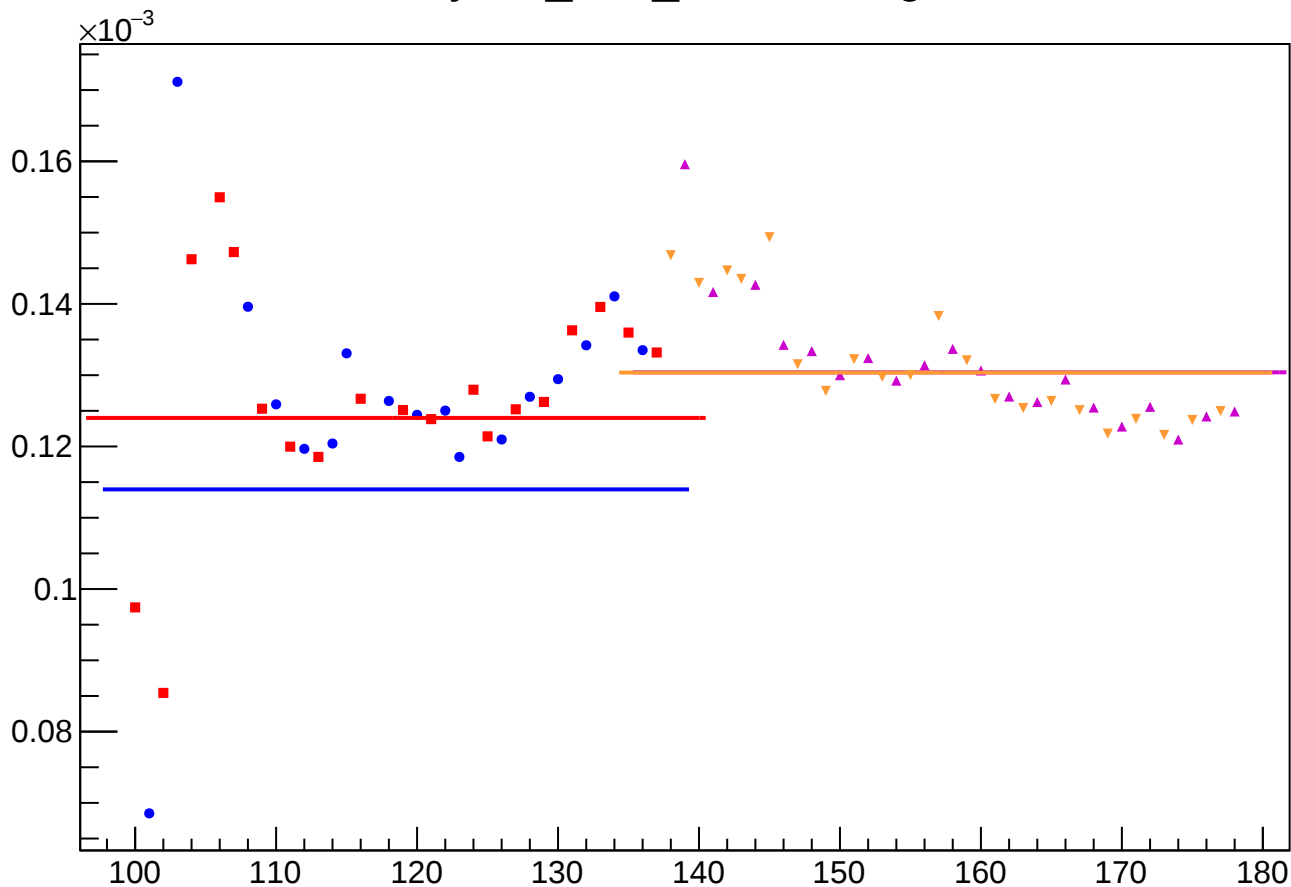
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 445426621.0/19

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 121877602928.9/37

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 172851979220.0

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 48979326325.5/38

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 112715.8/20

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

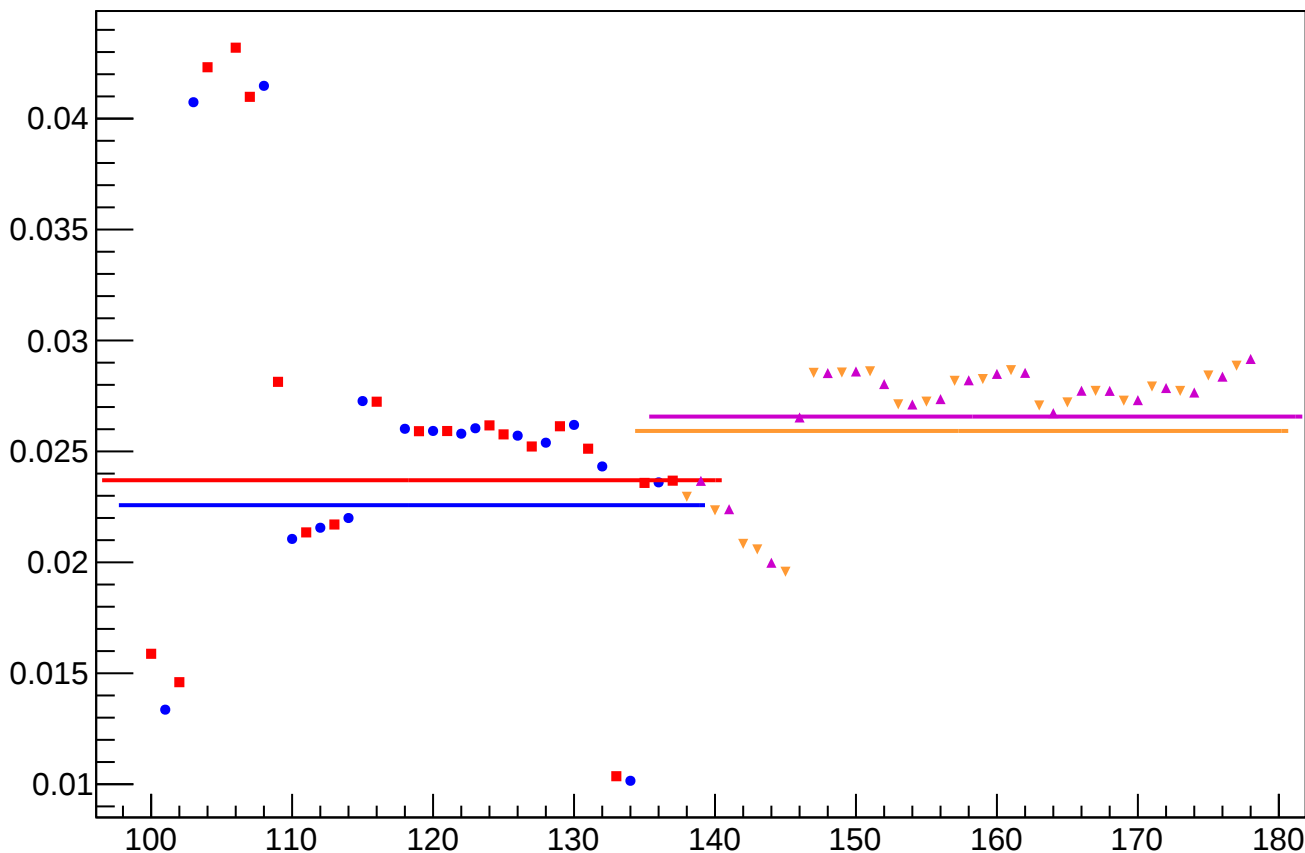
Left In: 0.000+/-0.000 χ^2/NDF : 103066.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 1074170.8/37

All: 0.000+/-0.000 χ^2/NDF : 1463300.4/76

- sign 0.000+/-0.000 χ^2/NDF : 372067.3/38

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.026+/-0.000 χ^2/NDF :1851753765.5/20

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

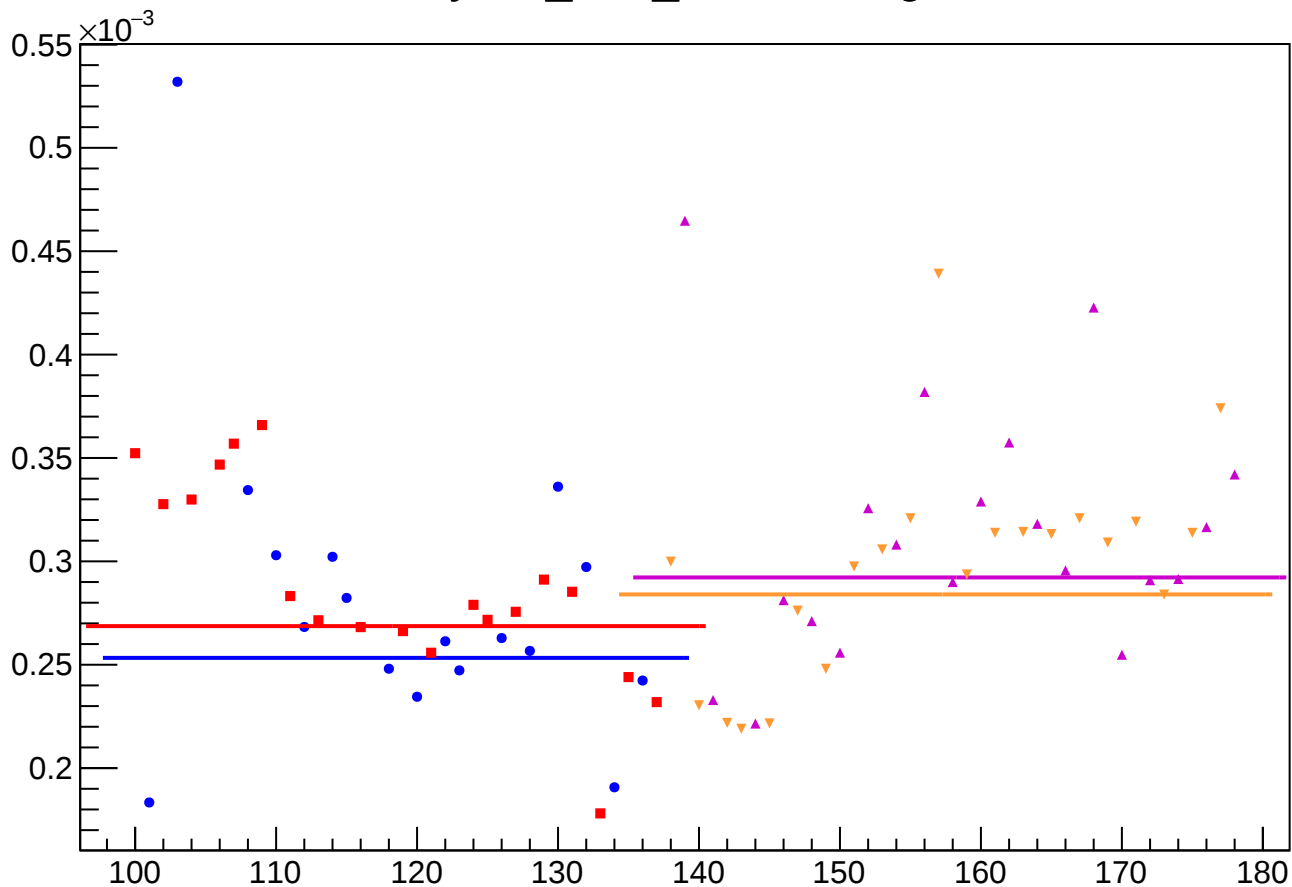
Left In: 0.027+/-0.000 χ^2/NDF :1250251482.7/19

+ sign 0.025+/-0.000 χ^2/NDF : 6763197888.6/37

All: 0.025+/-0.000 χ^2/NDF : 14210321085.2/77

- sign 0.026+/-0.000 χ^2/NDF : 7362983868.1/38

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 629159.2/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 729942.5/20

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 428329.0/18

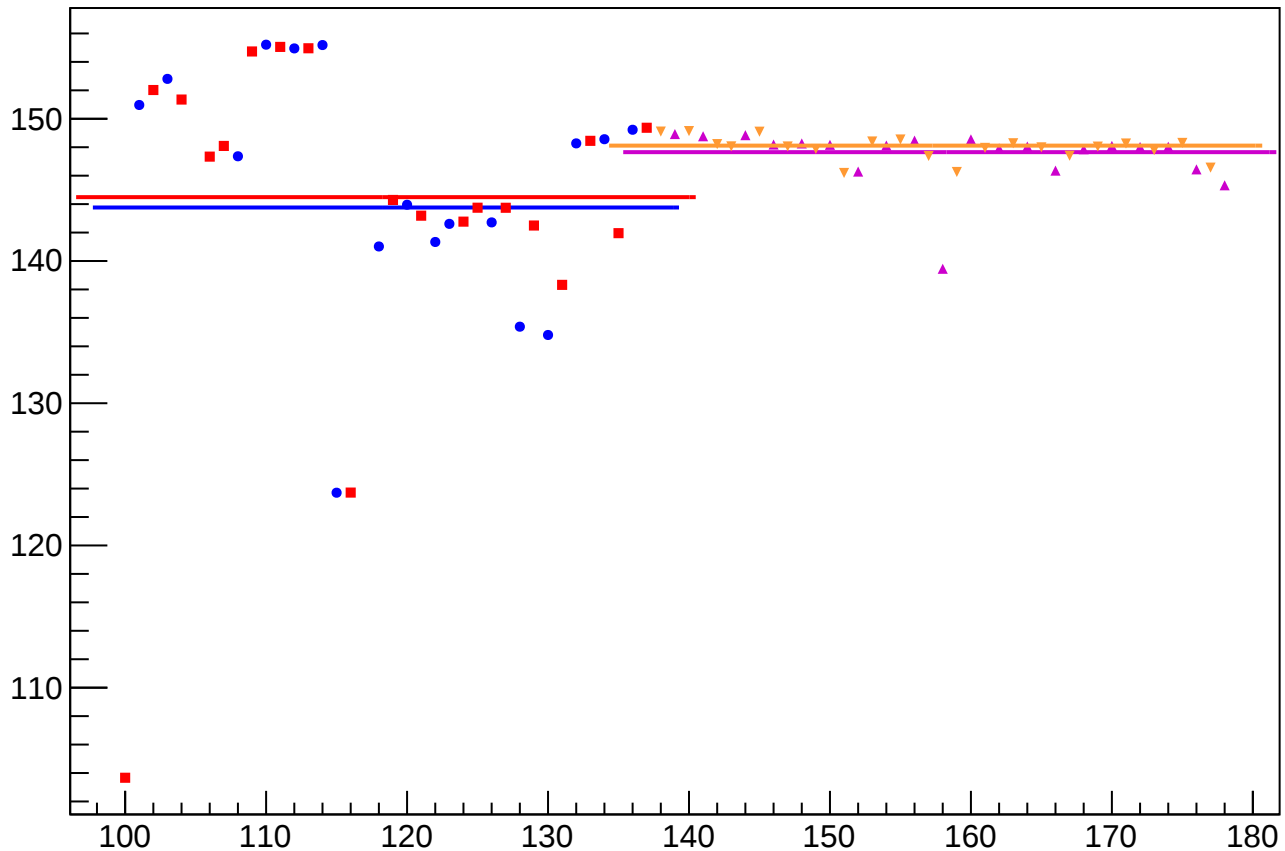
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 883170.7/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1470763.9/37

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 2873495.5/76

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 1373653.2/38

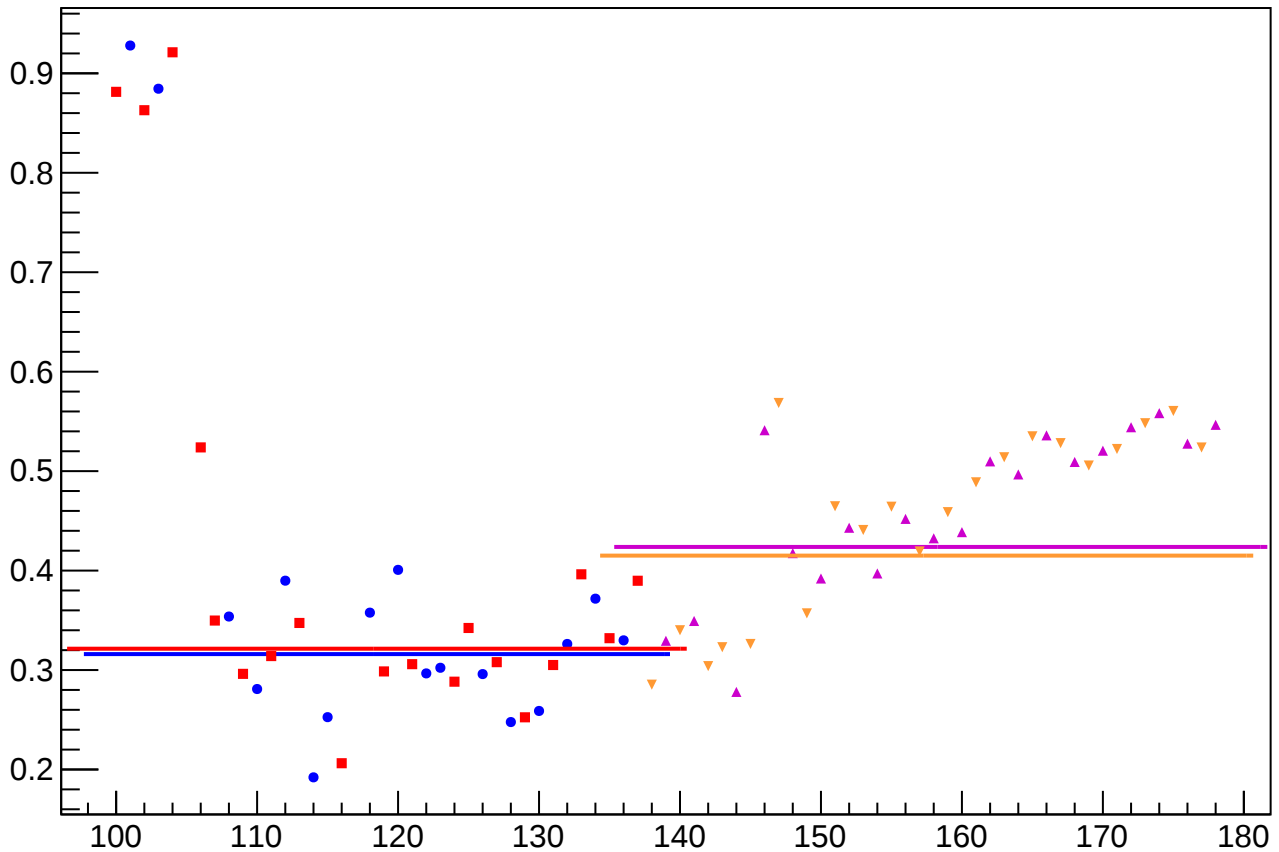
yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16
 Left Out: 148.114 $\pm$ 0.000 χ^2 /NDF: 59802532.6/20
 Right Out: 144.490 $\pm$ 0.000 χ^2 /NDF: 4182548232.5/18
 Left In: 147.653 $\pm$ 0.000 χ^2 /NDF: 344839232.1/19

+ sign 146.389 $\pm$ 0.000 χ^2 /NDF: 4230004300.9/37
 All: 146.368 $\pm$ 0.000 χ^2 /NDF: 9090475121.6
 - sign 146.347 $\pm$ 0.000 χ^2 /NDF: 4860348081.6/38

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 $\pm$ 0.000 χ^2 /NDF: 1265921.5/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF:1491267.5/20

Right Out: 0.321 $\pm$ 0.000 χ^2 /NDF: 1219073.9/18

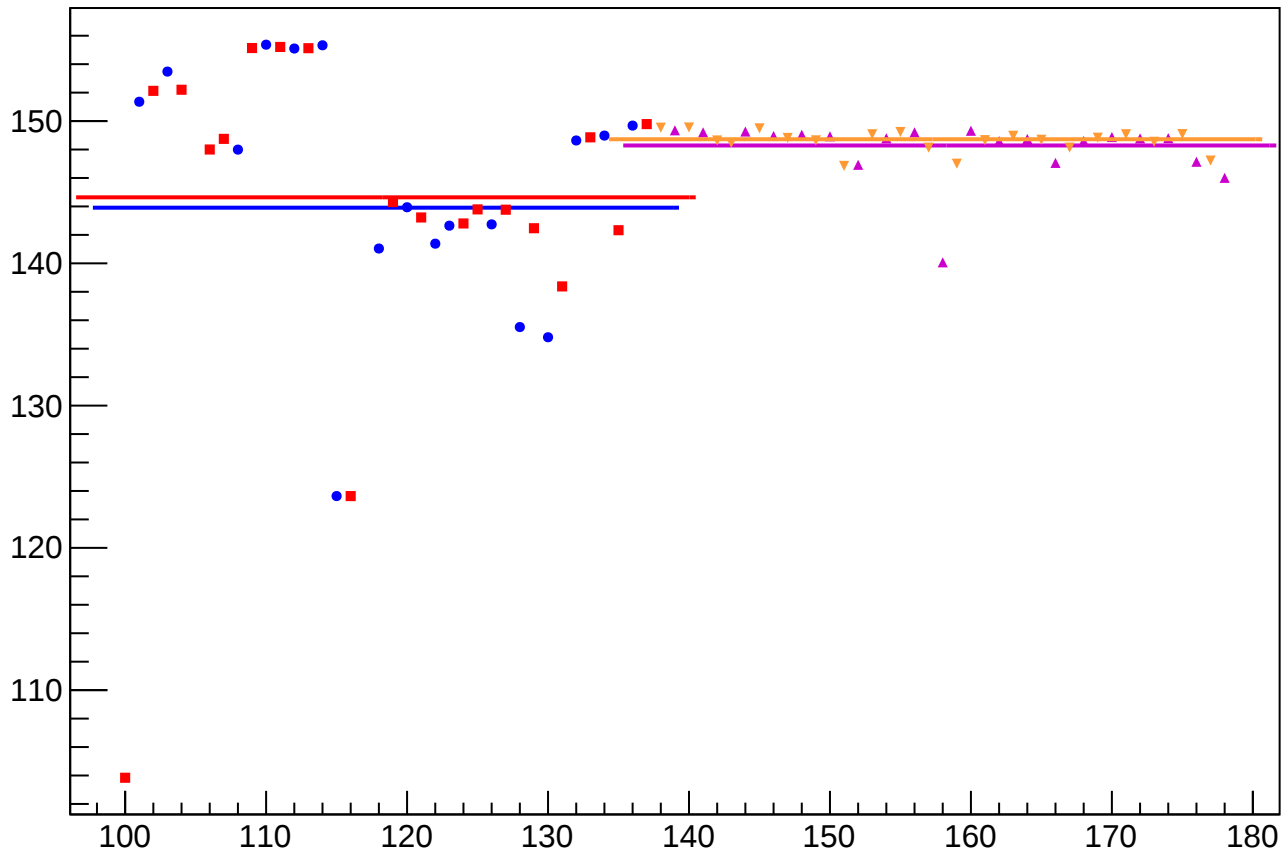
Left In: 0.424 $\pm$ 0.000 χ^2 /NDF:1259565.1/19

+ sign 0.376 $\pm$ 0.000 χ^2 /NDF: 3415619.1/37

All: 0.379 $\pm$ 0.000 χ^2 /NDF: 6595721.8/76

- sign 0.382 $\pm$ 0.000 χ^2 /NDF: 3175558.9/38

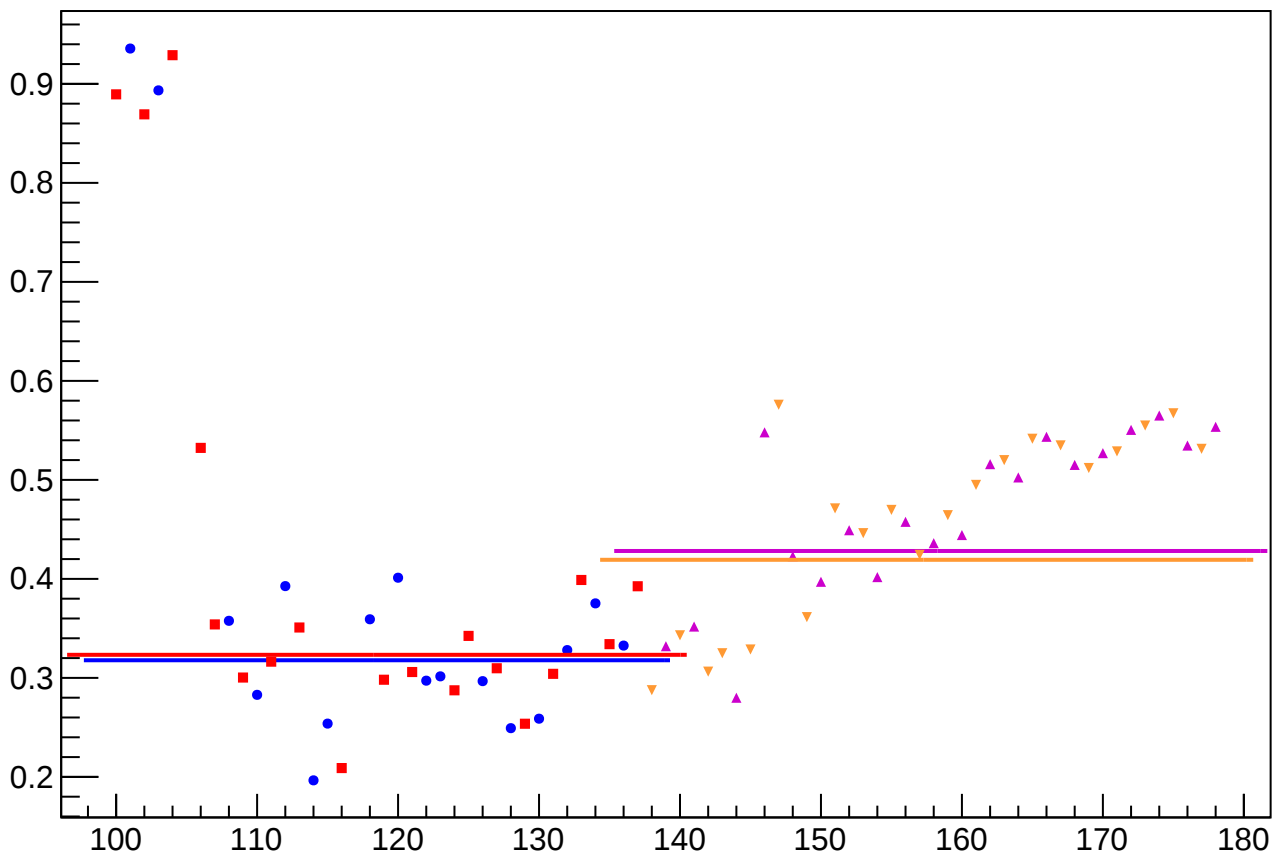
yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16
 Left Out: 148.722 $\pm$ 0.000 χ^2 /NDF: 47846181.5/20
 Right Out: 144.640 $\pm$ 0.000 χ^2 /NDF: 4209610240.4/18
 Left In: 148.285 $\pm$ 0.000 χ^2 /NDF: 332967320.4/19

+ sign 146.805 $\pm$ 0.000 χ^2 /NDF: 4400658791.1/37
 All: 146.788 $\pm$ 0.000 χ^2 /NDF: 9378362782.2
 - sign 146.772 $\pm$ 0.000 χ^2 /NDF: 4977629693.7/38

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.419 $\pm$ 0.000 χ^2 /NDF:1518135.1/20

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222241.9/18

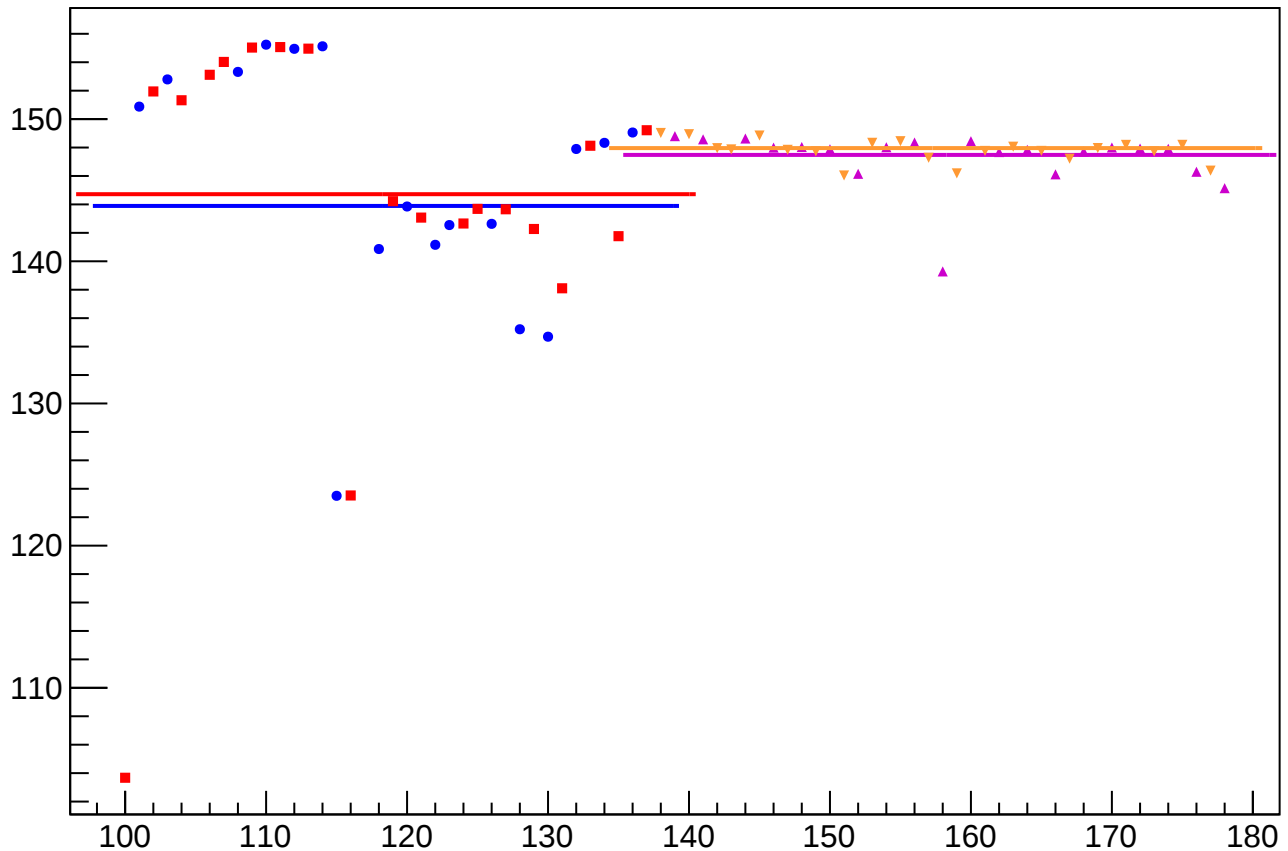
Left In: 0.428 $\pm$ 0.000 χ^2 /NDF:1282808.9/19

+ sign 0.379 $\pm$ 0.000 χ^2 /NDF: 3467254.8/37

All: 0.382 $\pm$ 0.000 χ^2 /NDF: 6697430.1/76

- sign 0.385 $\pm$ 0.000 χ^2 /NDF: 3225570.9/38

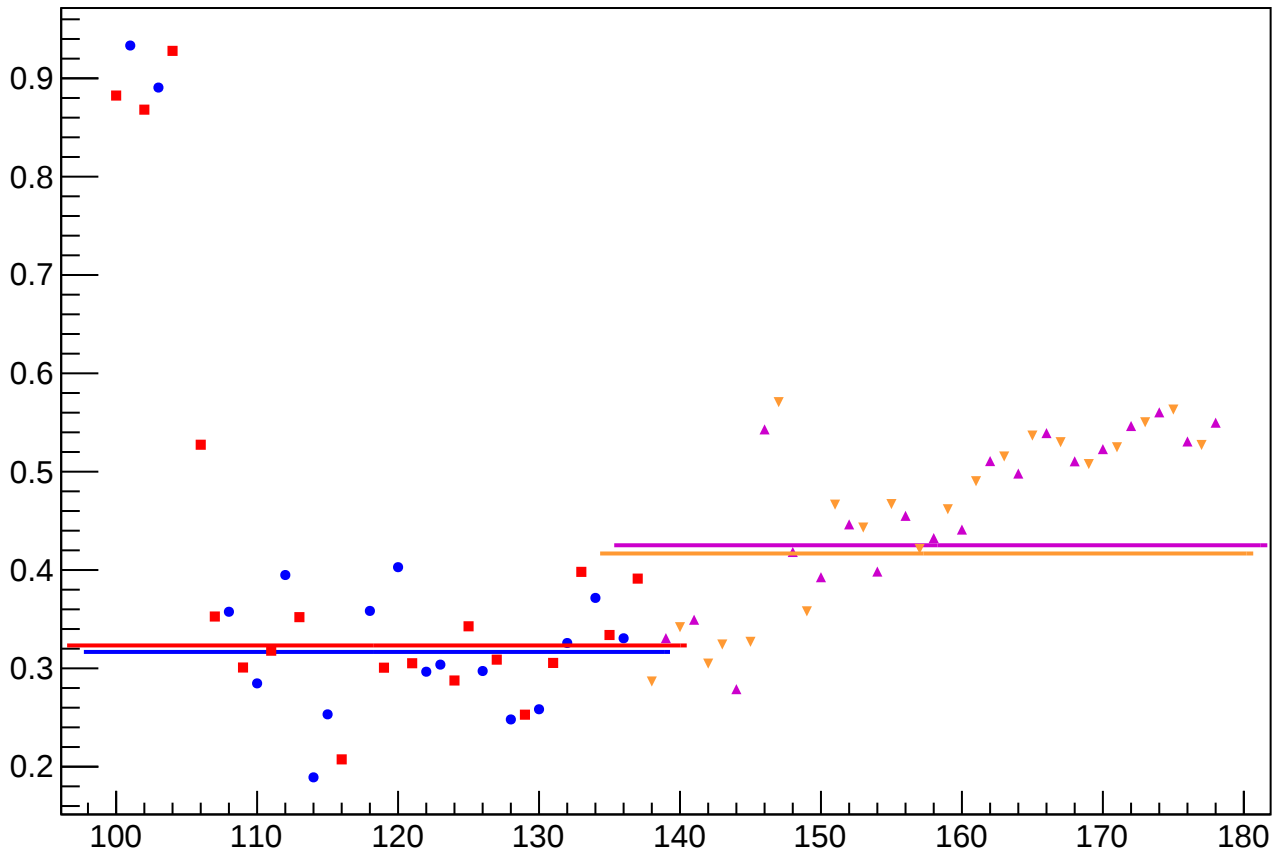
yield_bcm_an_us_mean vs Slug



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16
 Left Out: 147.961+/-0.000 χ^2/NDF : 58438064.1/20
 Right Out: 144.719+/-0.000 χ^2/NDF : 4473225884.5/18
 Left In: 147.481+/-0.000 χ^2/NDF : 343808446.8/19

+ sign 146.347+/-0.000 χ^2/NDF : 4362653427.0/37
 All: 146.345+/-0.000 χ^2/NDF : 9431224476.6
 - sign 146.344+/-0.000 χ^2/NDF : 5068570584.6/38

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.417 ± 0.000 χ^2/NDF : 1493921.0/20

Right Out: 0.323 ± 0.000 χ^2/NDF : 1222784.7/18

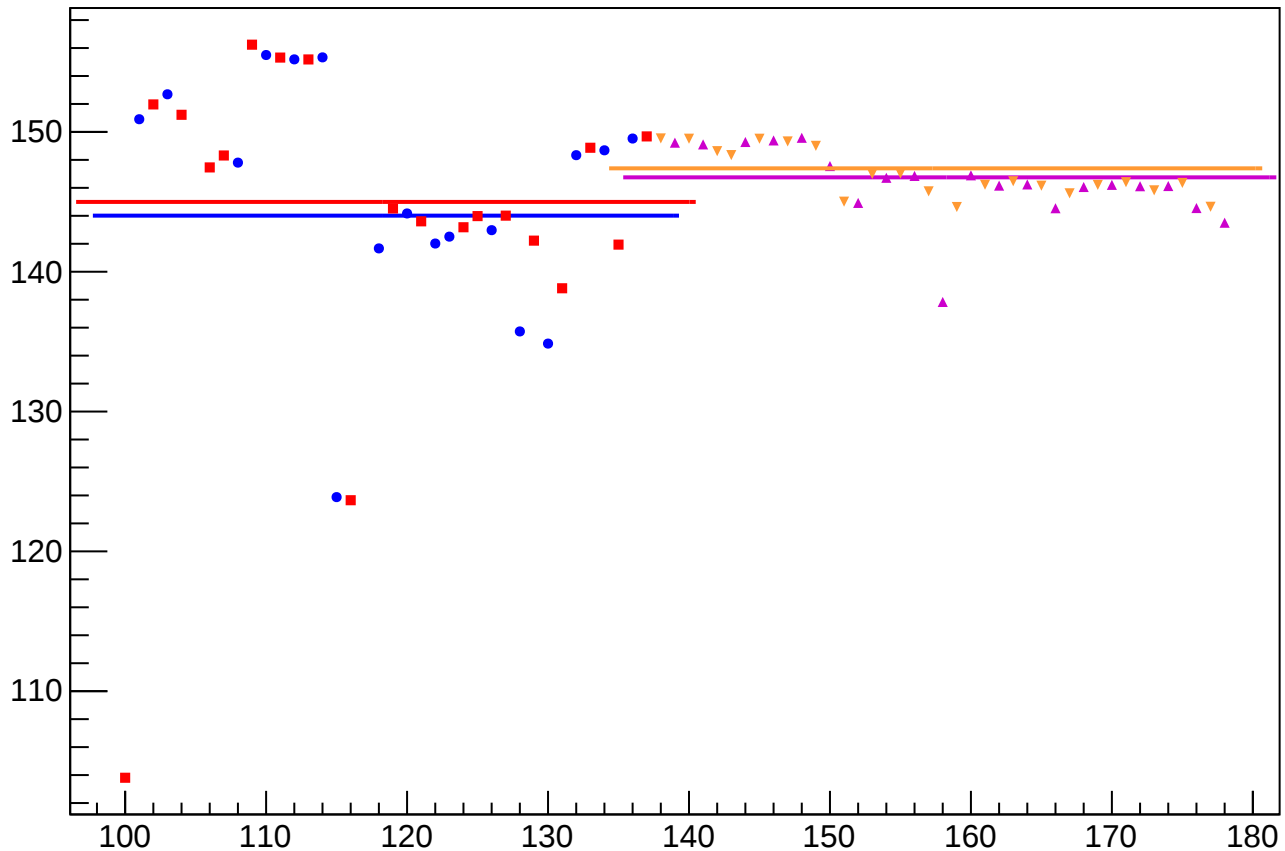
Left In: 0.425 ± 0.000 χ^2/NDF : 1268175.3/19

+ sign 0.377 ± 0.000 χ^2/NDF : 3442341.6/37

All: 0.380 ± 0.000 χ^2/NDF : 6622768.9/76

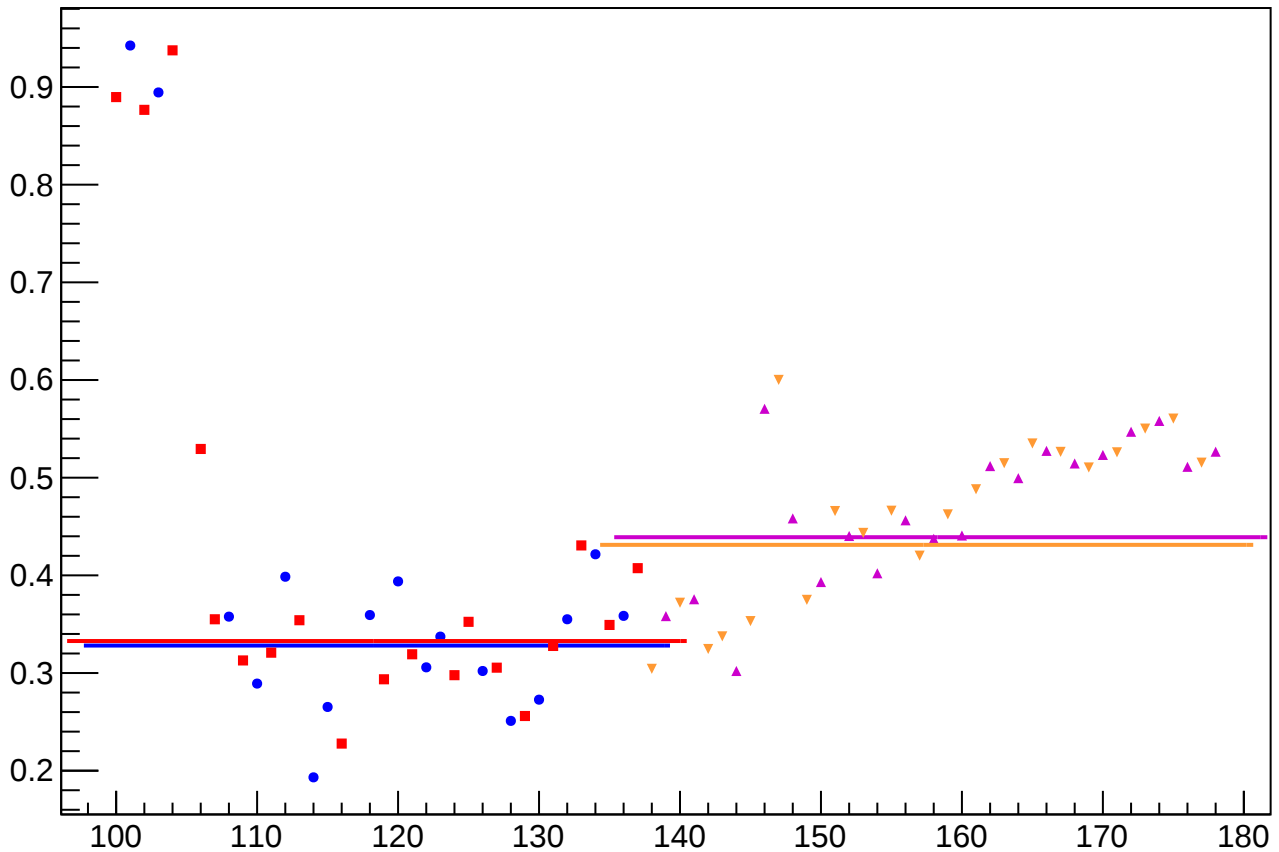
- sign 0.383 ± 0.000 χ^2/NDF : 3175225.6/38

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000	χ^2 /NDF: 3241696920.3/16	+ sign 146.064 $\pm$ 0.000	χ^2 /NDF: 3831950235.3/37
Left Out: 147.395 $\pm$ 0.000	χ^2 /NDF: 233993412.7/20	All: 146.047 $\pm$ 0.000	χ^2 /NDF: 8335150022.7
Right Out: 144.994 $\pm$ 0.000	χ^2 /NDF: 3852381452.1/18	- sign 146.029 $\pm$ 0.000	χ^2 /NDF: 4503120678.9/38
Left In: 146.751 $\pm$ 0.000	χ^2 /NDF: 554615152.3/19		

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.431 ± 0.000 χ^2/NDF : 1153925.3/20

Right Out: 0.333 ± 0.000 χ^2/NDF : 1185129.6/18

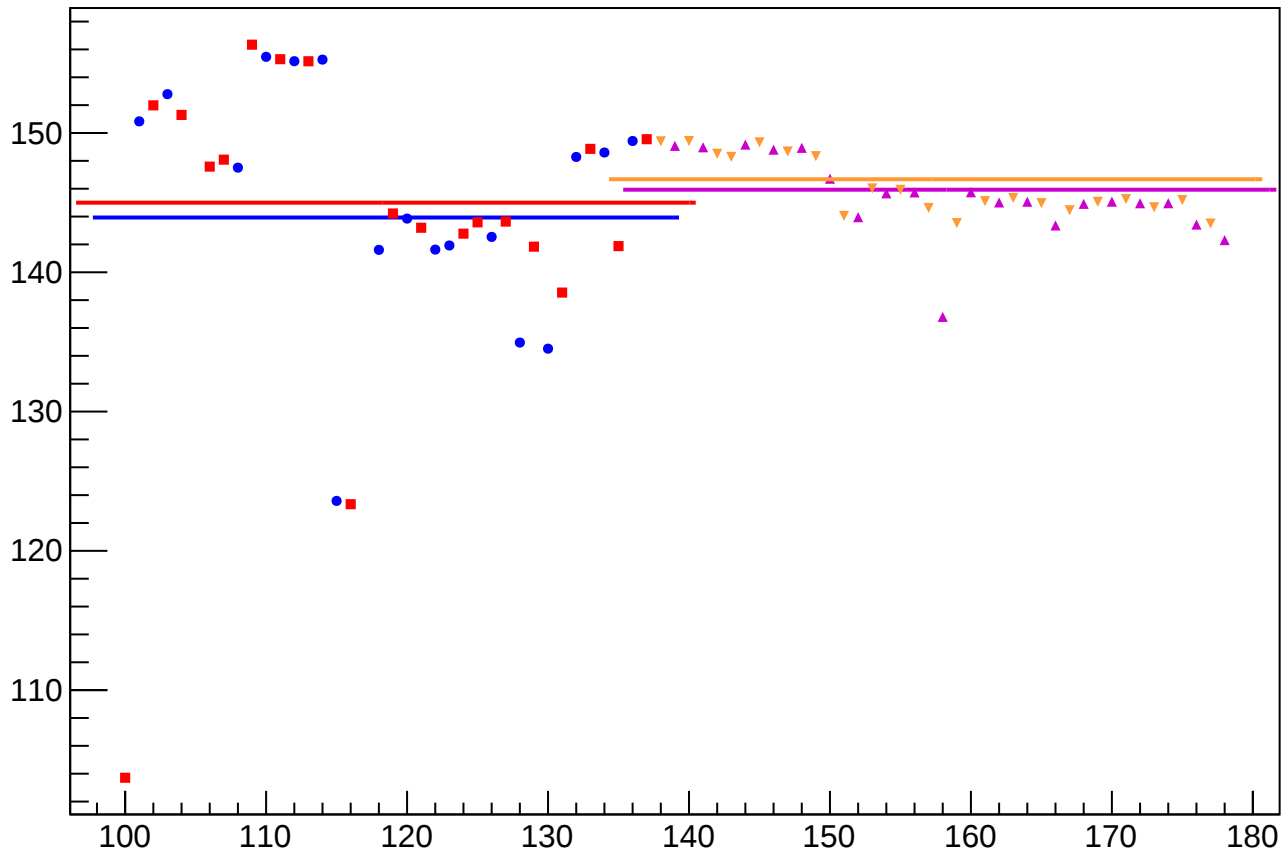
Left In: 0.439 ± 0.000 χ^2/NDF : 930842.7/19

+ sign 0.391 ± 0.000 χ^2/NDF : 3081645.0/37

All: 0.393 ± 0.000 χ^2/NDF : 5904096.6/76

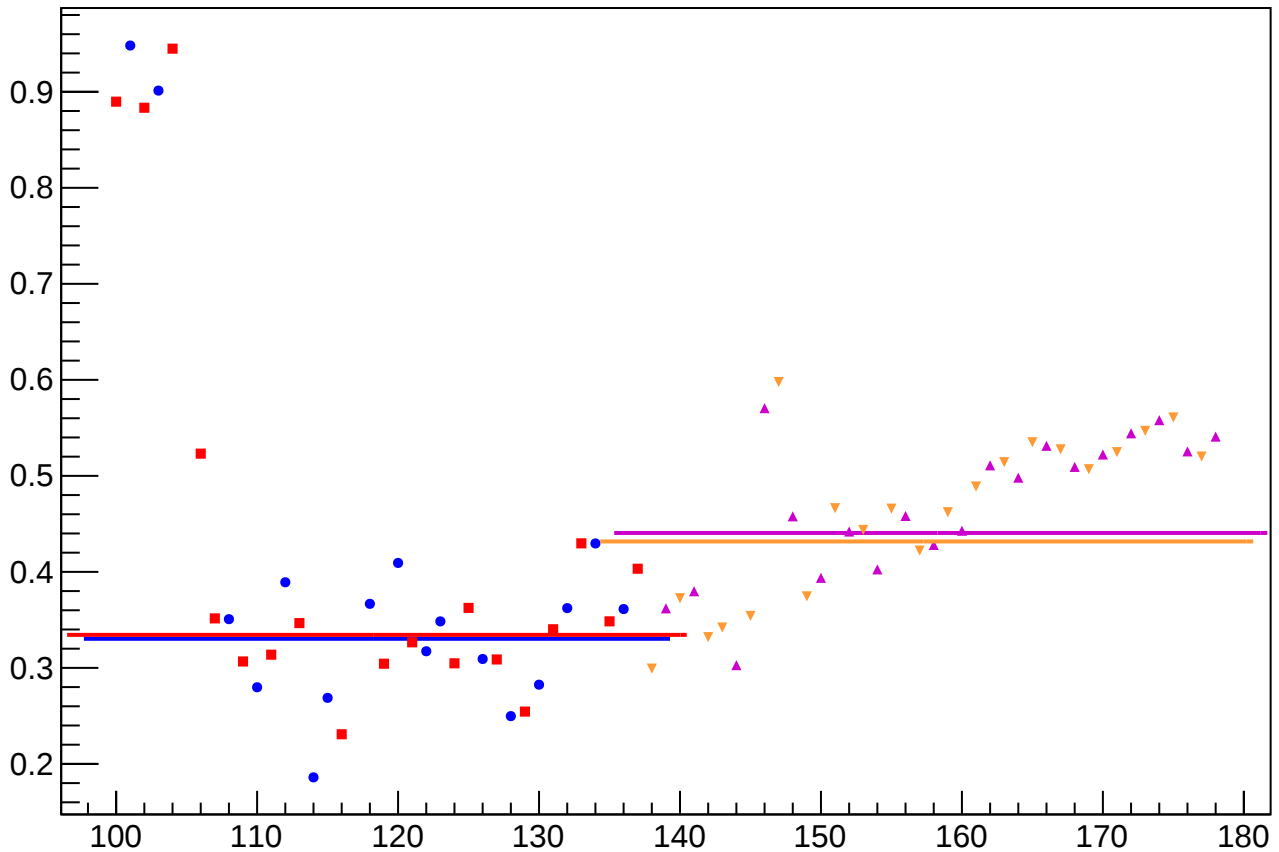
- sign 0.395 ± 0.000 χ^2/NDF : 2819520.0/38

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 $\pm$ 0.000	χ^2 /NDF: 3383012861.2/16	+ sign 145.608 $\pm$ 0.000	χ^2 /NDF: 3975043595.7/37
Left Out: 146.679 $\pm$ 0.000	χ^2 /NDF: 359926117.0/20	All: 145.578 $\pm$ 0.000	χ^2 /NDF: 8622733637.8
Right Out: 144.998 $\pm$ 0.000	χ^2 /NDF: 3932958476.0/18	- sign 145.548 $\pm$ 0.000	χ^2 /NDF: 4647459023.6/38
Left In: 145.929 $\pm$ 0.000	χ^2 /NDF: 687781923.2/19		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF: 1146474.3/20

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1174012.0/18

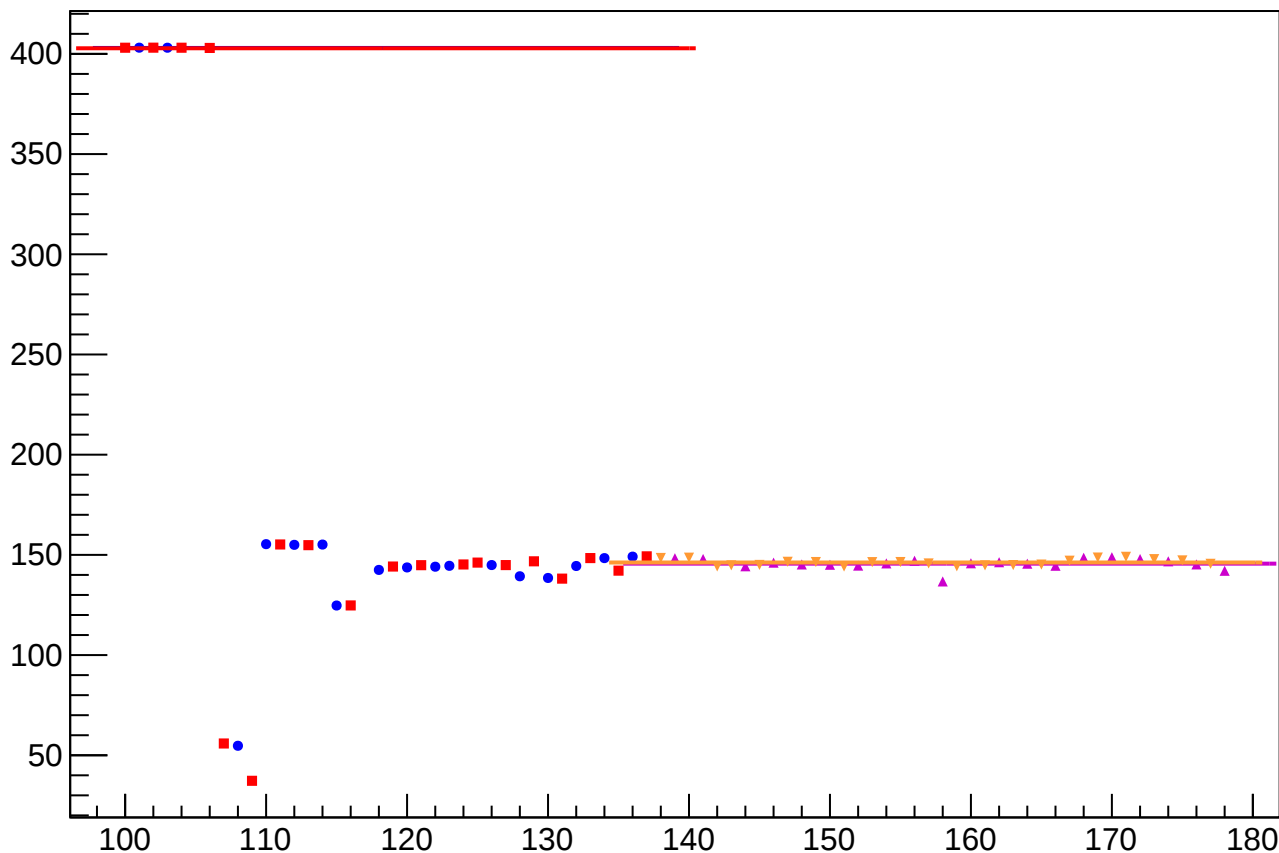
Left In: 0.441 $\pm$ 0.000 χ^2 /NDF: 923516.5/19

+ sign 0.392 $\pm$ 0.000 χ^2 /NDF: 3062865.8/37

All: 0.395 $\pm$ 0.000 χ^2 /NDF: 5858013.1/76

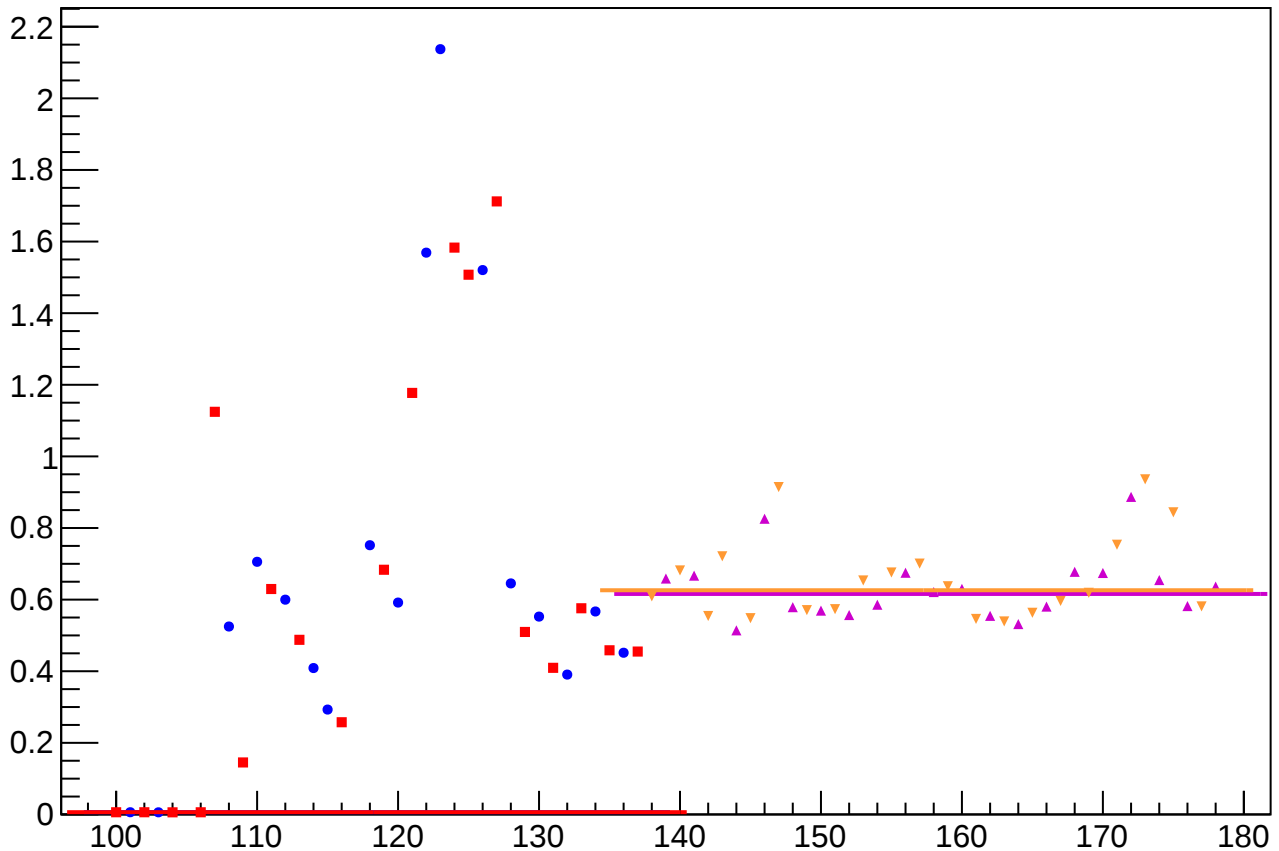
- sign 0.397 $\pm$ 0.000 χ^2 /NDF: 2792051.2/38

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16
 Left Out: 146.199+/-0.000 χ^2/NDF : 75325779.7/20
 Right Out: 402.799+/-0.000 χ^2/NDF : 3102036567767.5/18
 Left In: 145.623+/-0.000 χ^2/NDF : 193226383.4/19
 All: 402.633+/-0.000 χ^2/NDF : 82904845585
 + sign 402.706+/-0.000 χ^2/NDF : 3107345968838.6
 - sign 402.569+/-0.000 χ^2/NDF : 5182829843205.2/

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.626+/-0.000 χ^2/NDF :558316.1/20

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

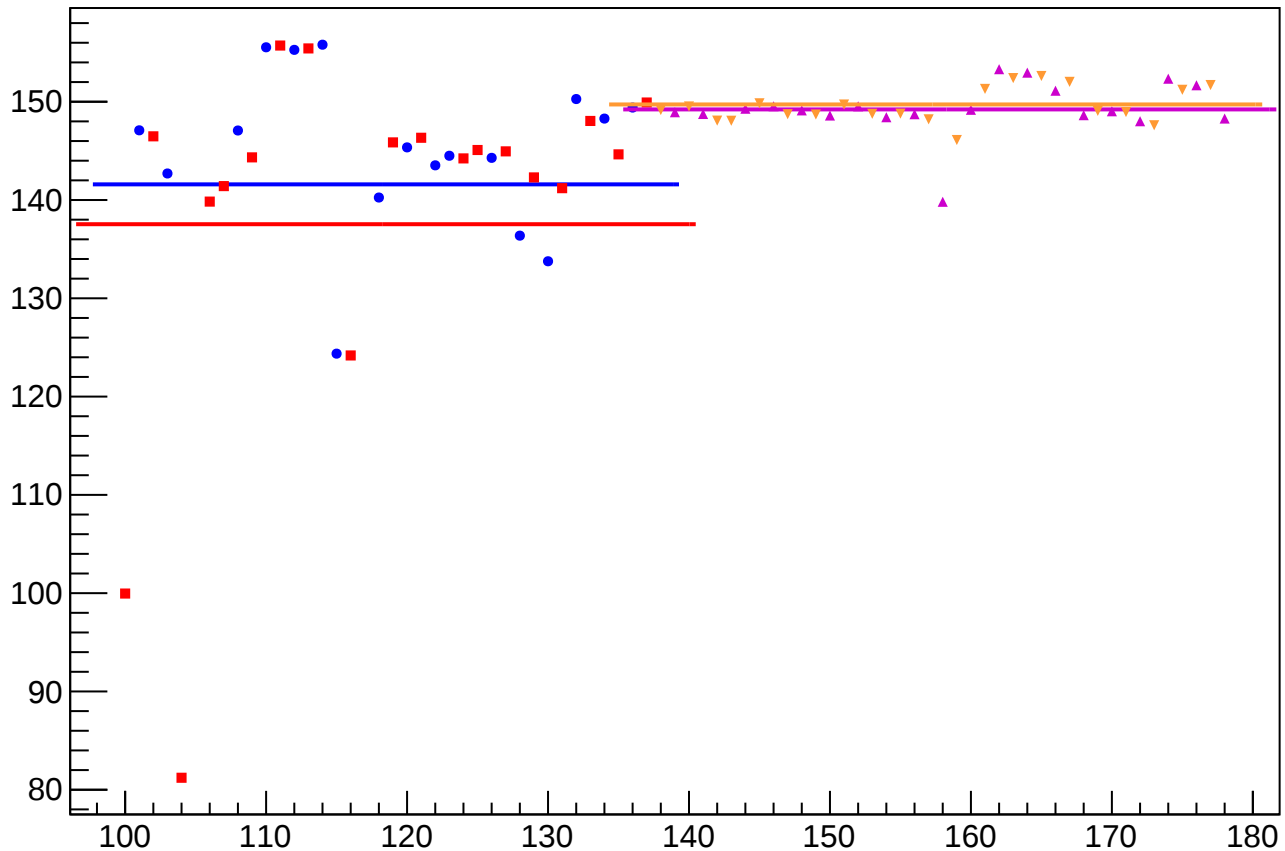
Left In: 0.616+/-0.000 χ^2/NDF :356943.5/19

+ sign 0.007+/-0.000 χ^2/NDF : 33098310.1/37

All: 0.007+/-0.000 χ^2/NDF : 66023500.5/76

- sign 0.007+/-0.000 χ^2/NDF : 32925008.5/38

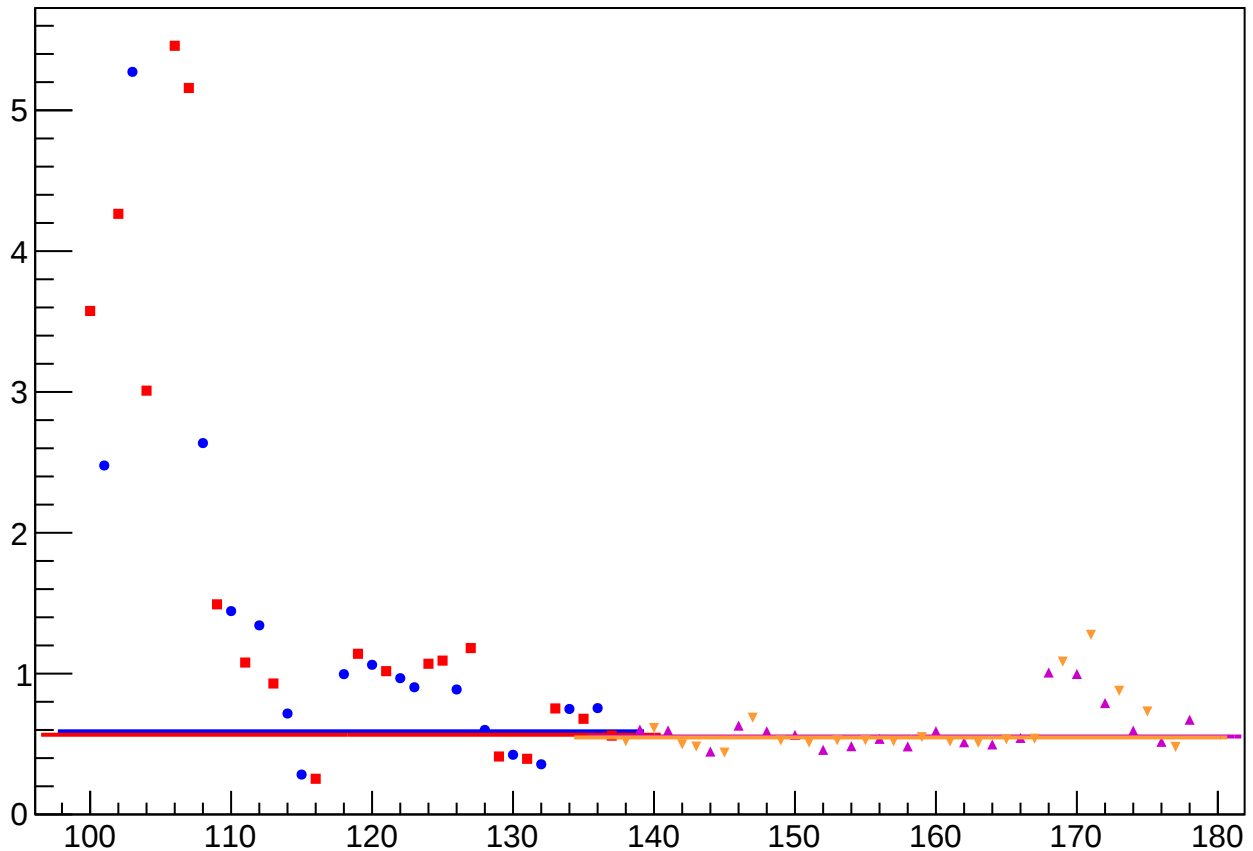
yield_cav4cQ_mean vs Slug



Right In: 141.593 ± 0.000 χ^2/NDF : 980101868.2/16
 Left Out: 149.723 ± 0.000 χ^2/NDF : 140939516.4/20
 Right Out: 137.539 ± 0.000 χ^2/NDF : 1316096307.7/18
 Left In: 149.218 ± 0.000 χ^2/NDF : 405800261.5/19

+ sign 148.238 ± 0.000 χ^2/NDF : 1666400903.3/37
 All: 147.595 ± 0.000 χ^2/NDF : 4600866226.0
 - sign 146.942 ± 0.000 χ^2/NDF : 2888321770.5/38

yield_cav4cQ_rms vs Slug



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.547+/-0.000 χ^2/NDF :1342386.3/20

Right Out: 0.566+/-0.000 χ^2/NDF : 4683596.4/18

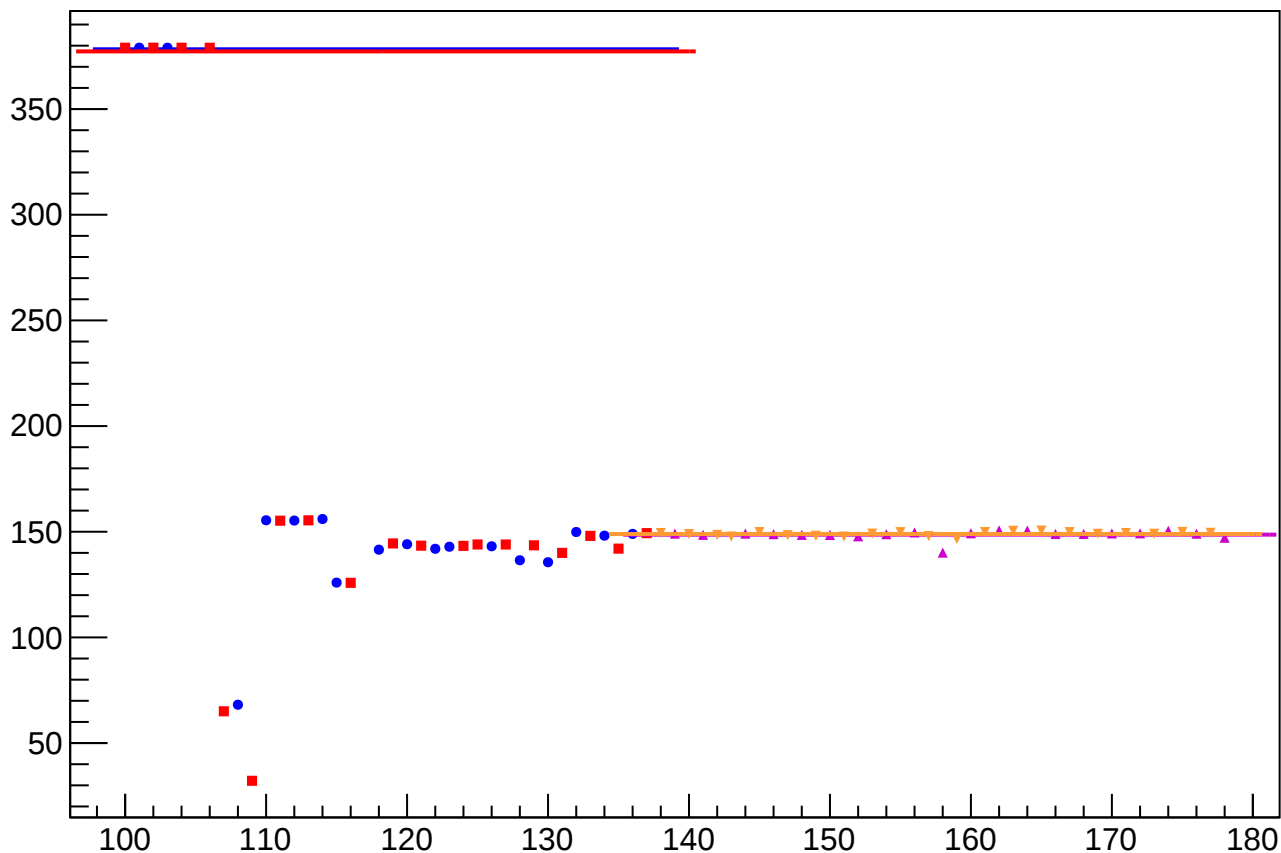
Left In: 0.553+/-0.000 χ^2/NDF :1020867.0/19

+ sign 0.555+/-0.000 χ^2/NDF : 4865547.4/37

All: 0.555+/-0.000 χ^2/NDF : 10572806.2/76

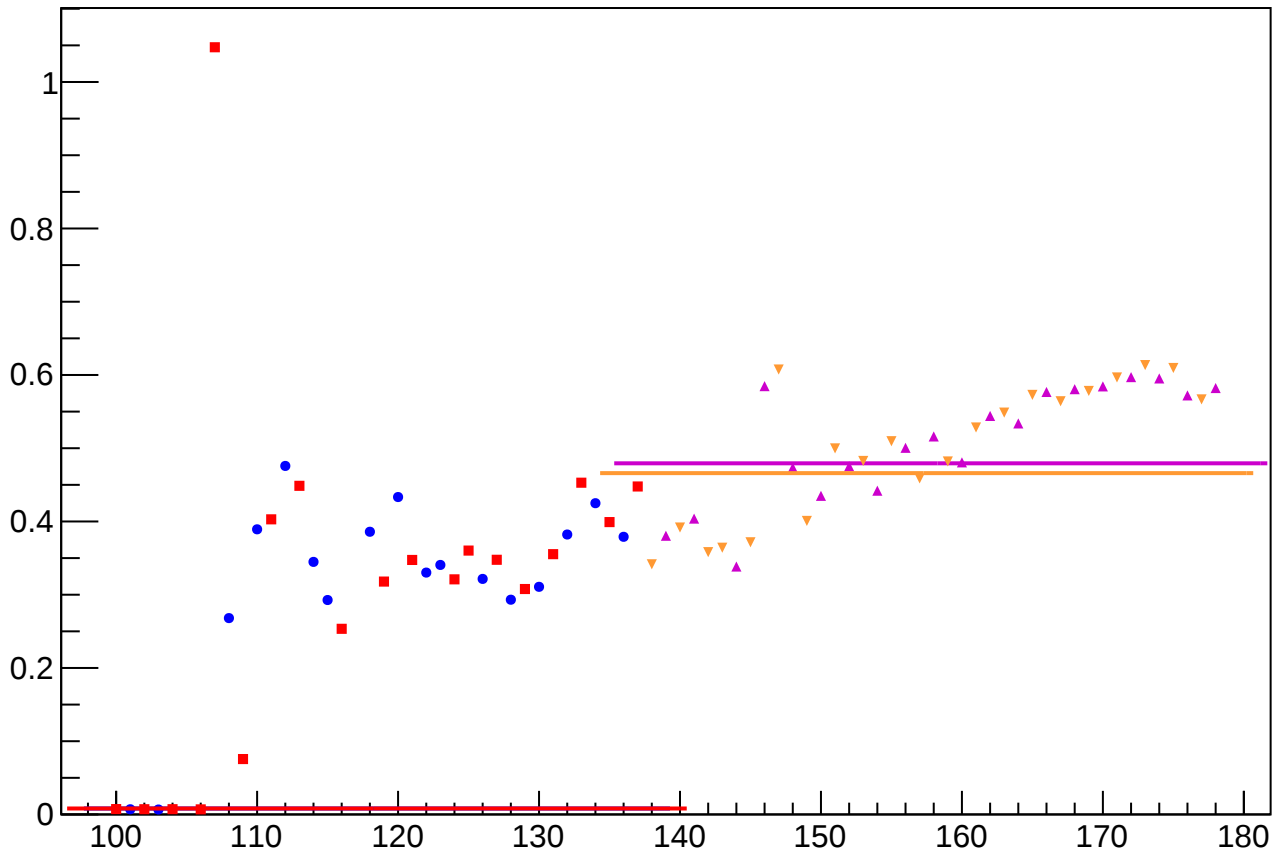
- sign 0.556+/-0.000 χ^2/NDF : 5707182.0/38

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2 /NDF: 2508313421453.8/16
 Left Out: 148.925+/-0.000 χ^2 /NDF: 63770894.1/20
 Right Out: 377.287+/-0.000 χ^2 /NDF: 8286303106836.4/18
 Left In: 148.622+/-0.000 χ^2 /NDF: 248455542.5/19

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.466 $\pm$ 0.000 χ^2 /NDF: 1158659.7/20

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9522827.2/18

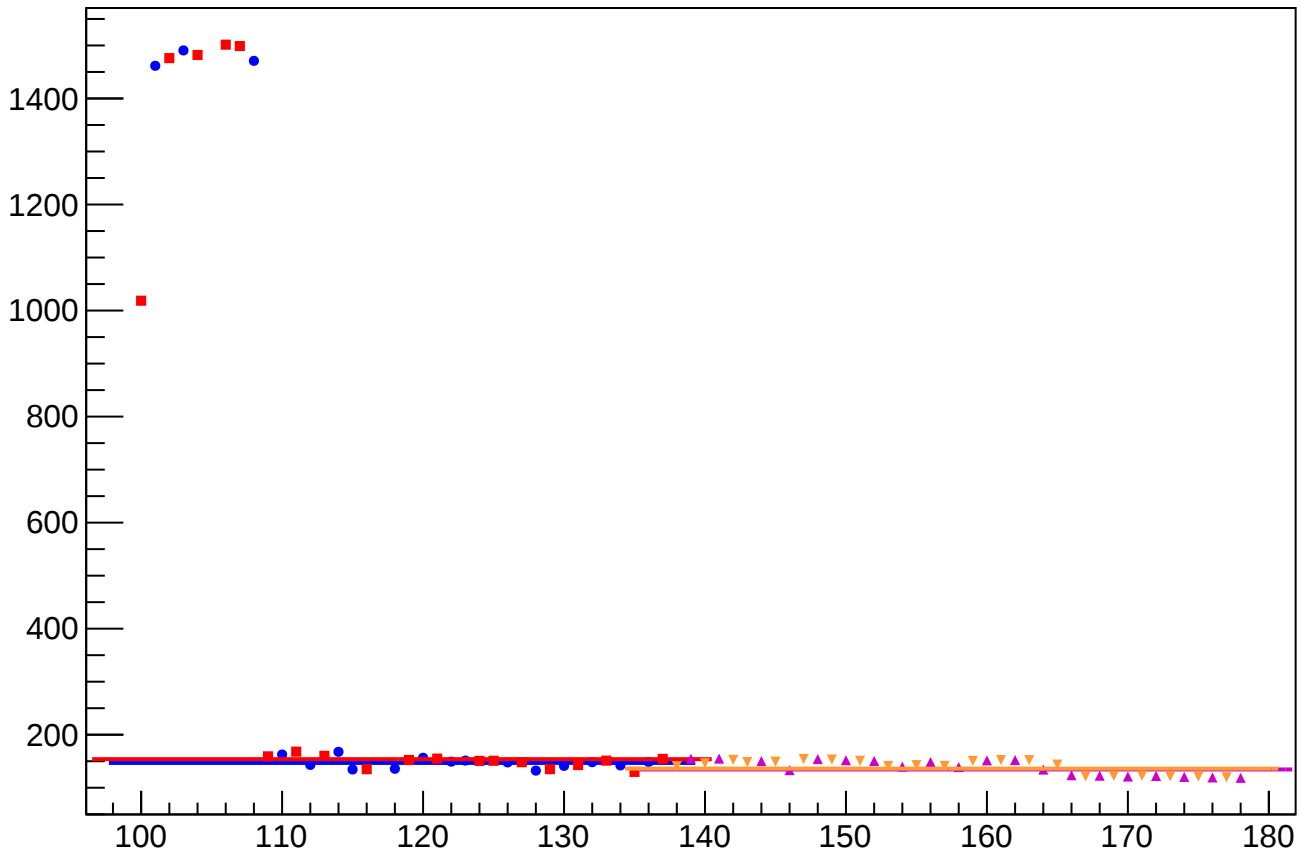
Left In: 0.479 $\pm$ 0.000 χ^2 /NDF: 900048.4/19

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 39408519.5/37

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 78131480.9/76

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 38721410.4/38

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 136.051+/-0.000 χ^2/NDF : 3680870340.0/20

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

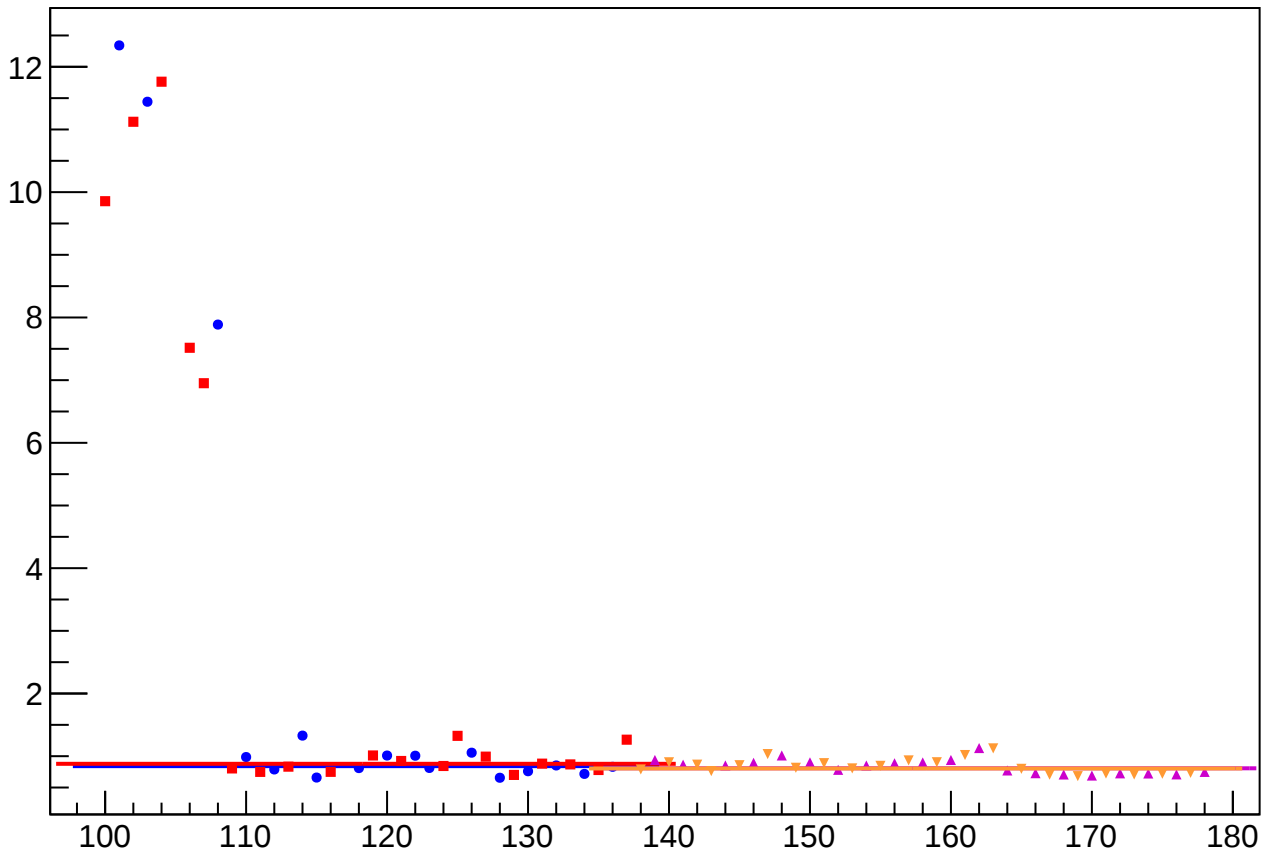
Left In: 134.474+/-0.000 χ^2/NDF : 3983601532.6/19

+ sign 138.278+/-0.000 χ^2/NDF : 28531258974.4/37

All: 138.386+/-0.000 χ^2/NDF : 67835682449.0

- sign 138.495+/-0.000 χ^2/NDF : 39303821012.3/38

yield_bcm0l02_rms vs Slug



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.804 ± 0.000 χ^2/NDF : 476333.3/20

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

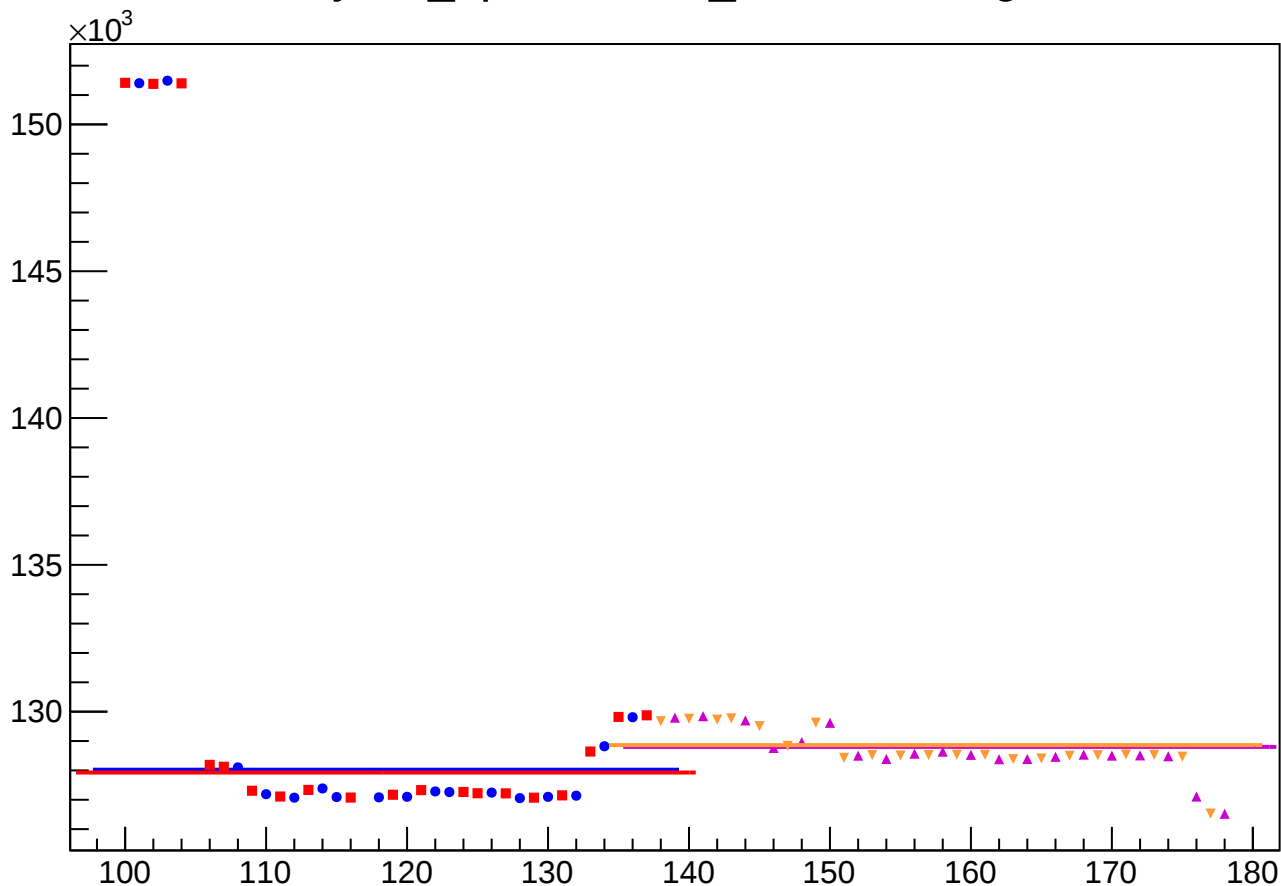
Left In: 0.807 ± 0.000 χ^2/NDF : 442985.0/19

+ sign 0.812 ± 0.000 χ^2/NDF : 3150363.7/37

All: 0.817 ± 0.000 χ^2/NDF : 6453369.4/76

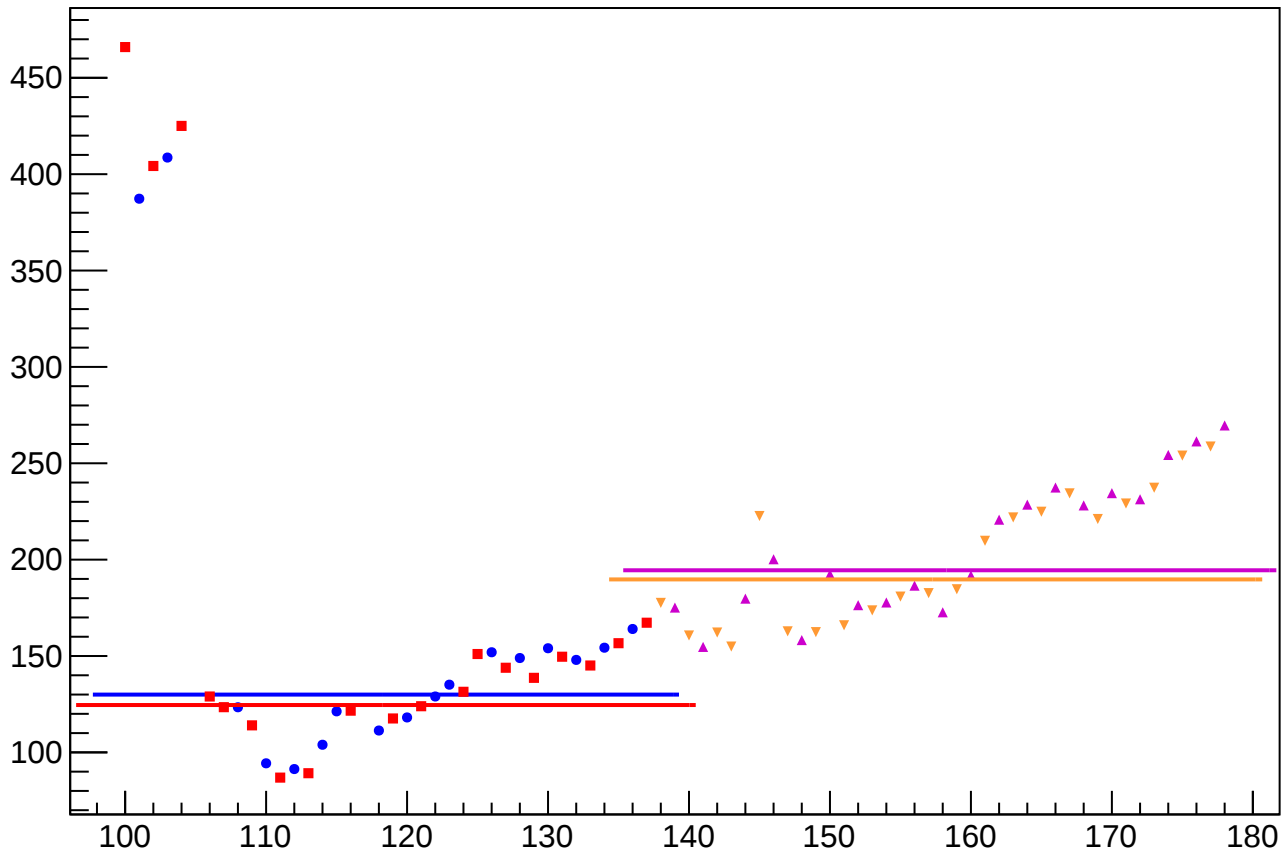
- sign 0.822 ± 0.000 χ^2/NDF : 3300526.7/38

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128861.525 $\pm$ 0.049 χ^2 /NDF: 194325207.4/20
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128800.805 $\pm$ 0.050 χ^2 /NDF: 206354156.5/19
 + sign 128491.384 $\pm$ 0.036 χ^2 /NDF: 4642676900.2
 All: 128427.372 $\pm$ 0.025 χ^2 /NDF: 877305724
 - sign 128365.790 $\pm$ 0.036 χ^2 /NDF: 4124261001.3

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 189.741 $\pm$ 0.034 χ^2 /NDF: 808342.5/20

Right Out: 124.566 $\pm$ 0.036 χ^2 /NDF: 1531273.9/18

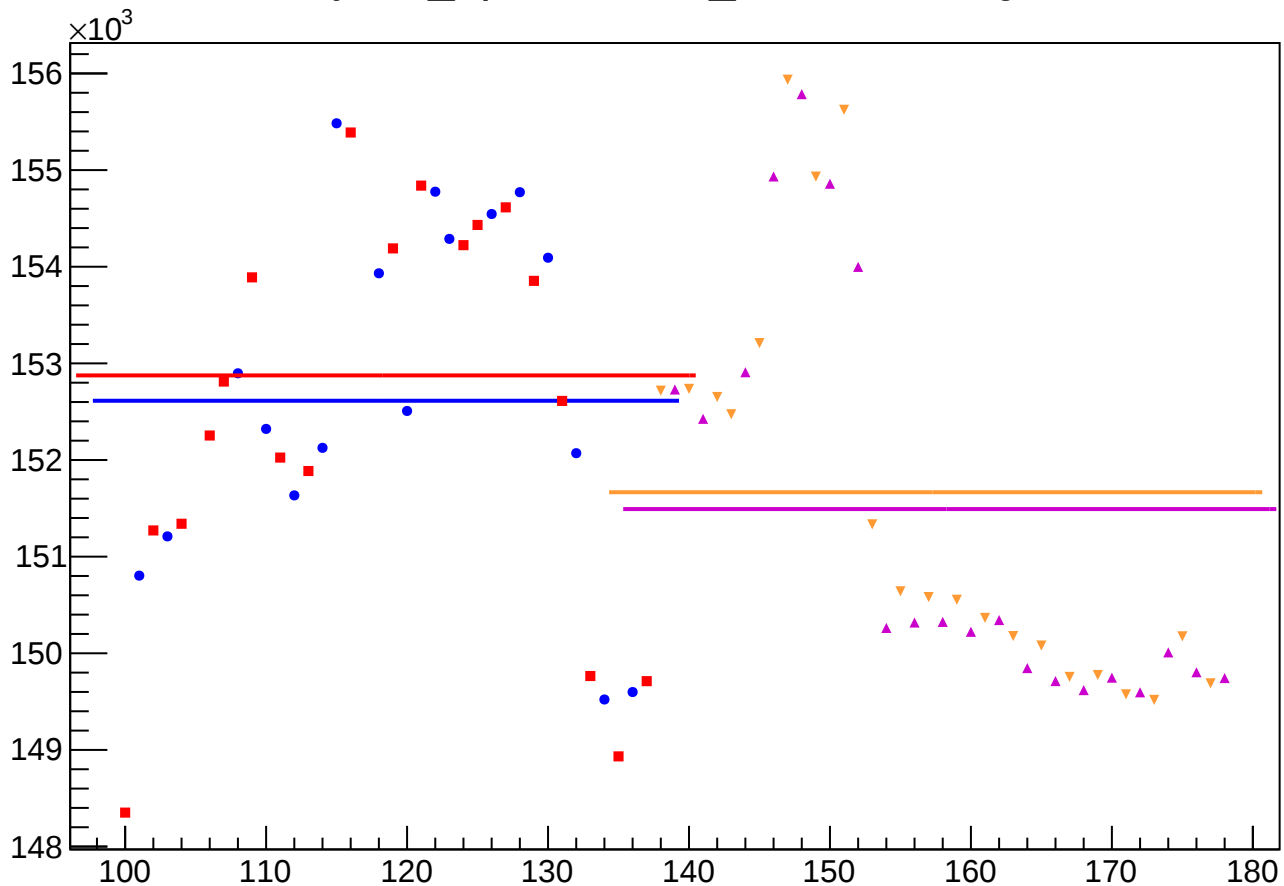
Left In: 194.485 $\pm$ 0.035 χ^2 /NDF: 794099.5/19

+ sign 163.344 $\pm$ 0.026 χ^2 /NDF: 3634558.7/37

All: 161.465 $\pm$ 0.018 χ^2 /NDF: 7904366.4/76

- sign 159.658 $\pm$ 0.025 χ^2 /NDF: 4259263.5/38

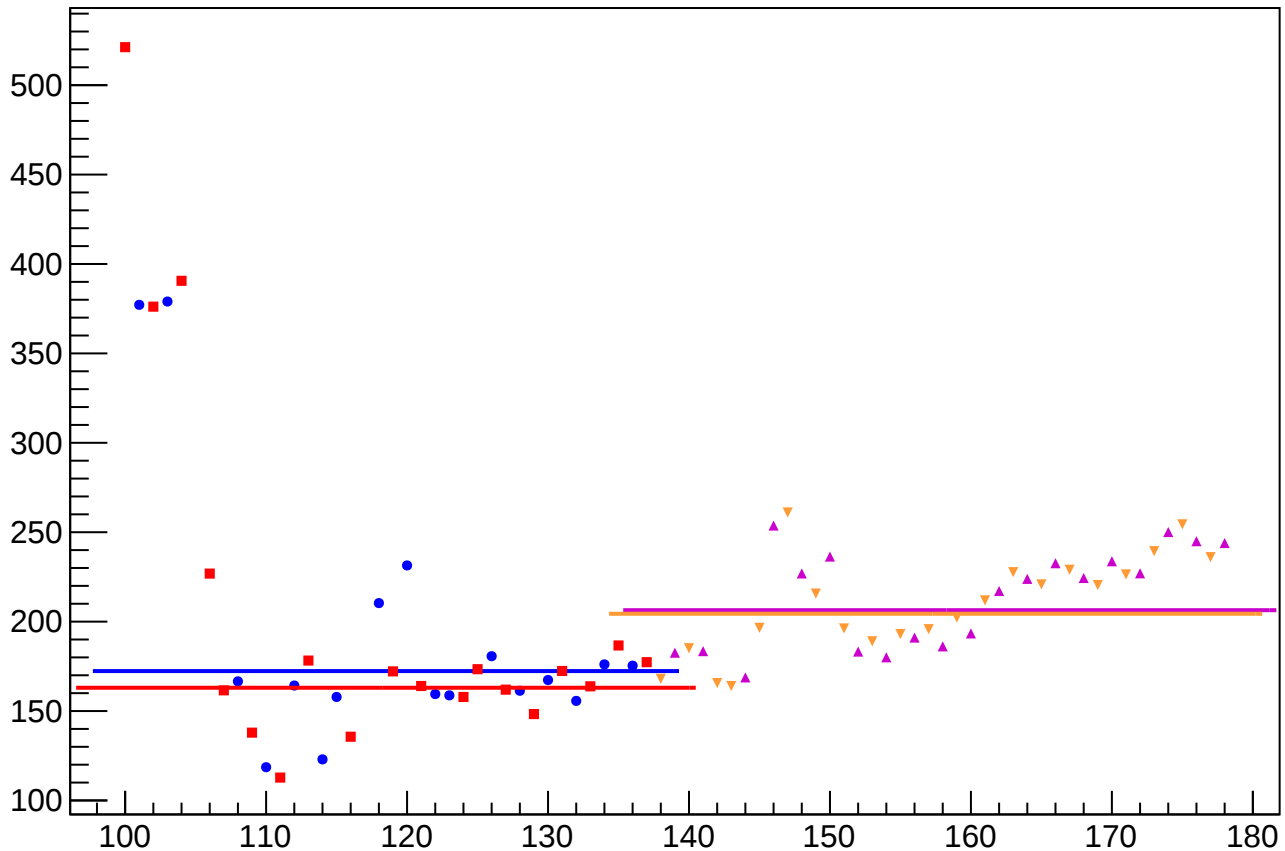
yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 ± 0.072 $\chi^2/\text{NDF}: 623356098.4/16$
 Left Out: 151666.528 ± 0.052 $\chi^2/\text{NDF}: 1330533255.9/20$
 Right Out: 152875.313 ± 0.066 $\chi^2/\text{NDF}: 716358700.9/18$
 Left In: 151492.270 ± 0.053 $\chi^2/\text{NDF}: 1336554167.2/19$

+ sign 151990.426 ± 0.042 $\chi^2/\text{NDF}: 2066756681.7/16$
 All: 152012.587 ± 0.030 $\chi^2/\text{NDF}: 438578553.1/16$
 - sign 152033.867 ± 0.041 $\chi^2/\text{NDF}: 2318490134.5/16$

yield_bpm0i07WS_rms vs Slug



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 204.395+/-0.037 χ^2/NDF : 498456.6/20

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

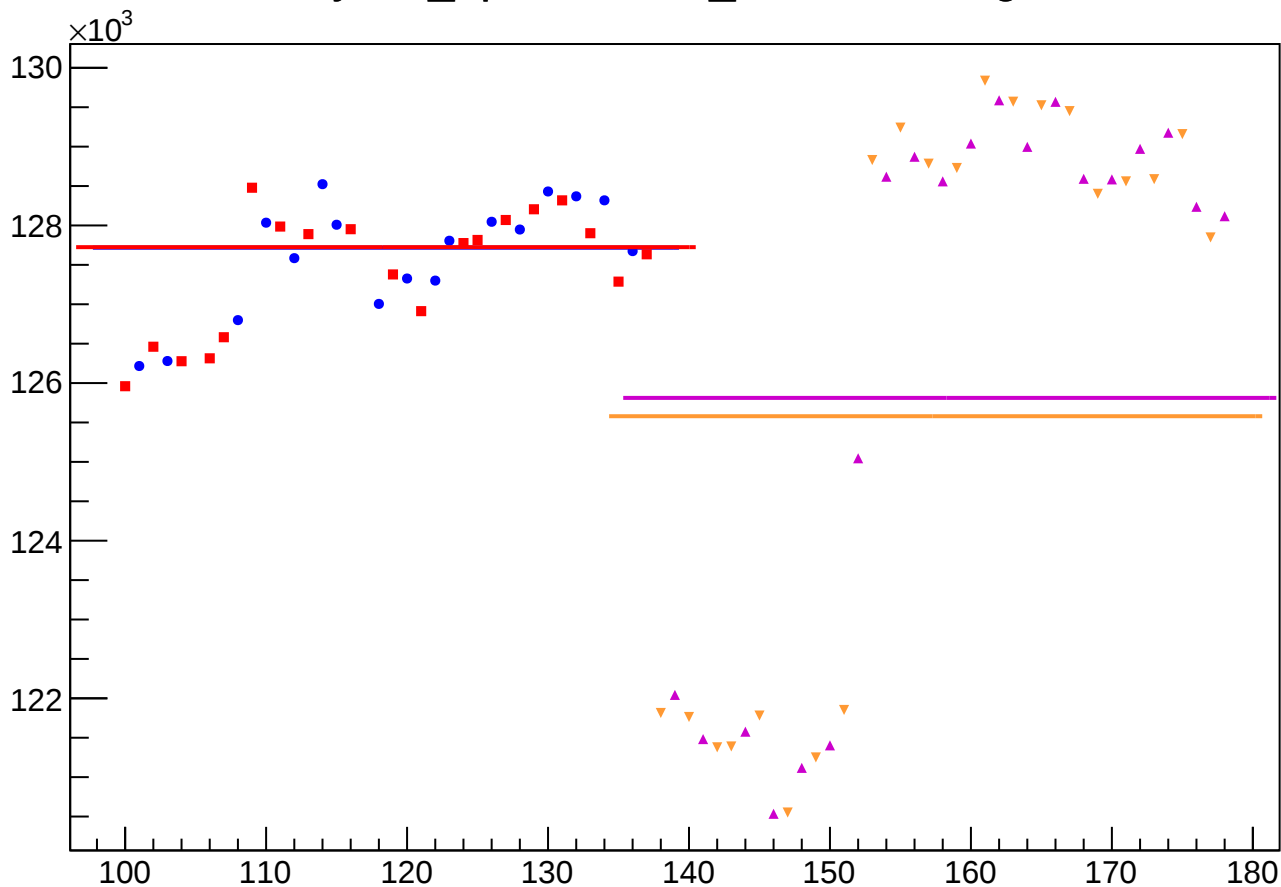
Left In: 206.402+/-0.038 χ^2/NDF : 517334.7/19

+ sign 193.431+/-0.030 χ^2/NDF : 1679055.1/37

All: 191.383+/-0.021 χ^2/NDF : 3760690.4/76

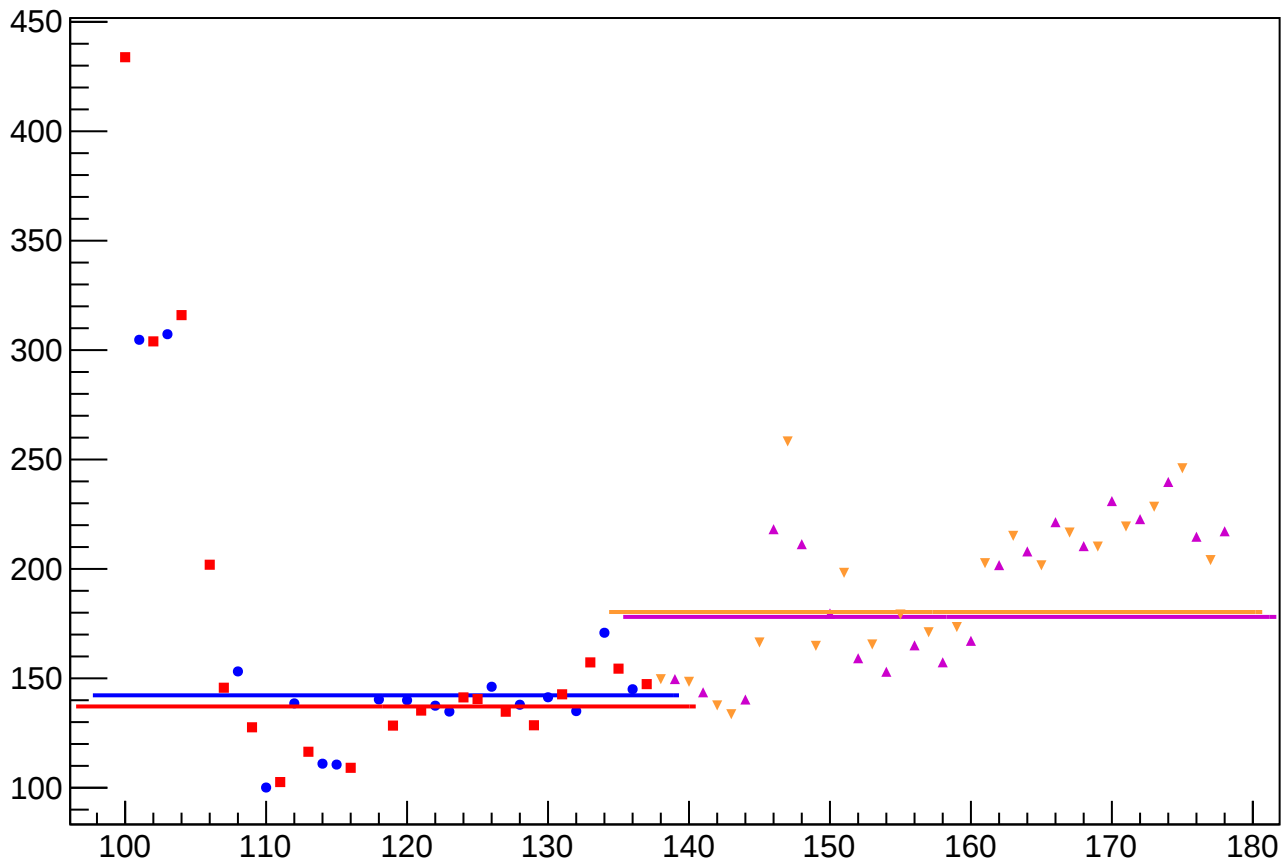
- sign 189.417+/-0.029 χ^2/NDF : 2072438.6/38

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058	χ^2 /NDF: 95177660.2/16	+ sign 126411.731 $\pm$ 0.036	χ^2 /NDF: 7282406119.1
Left Out: 125579.421 $\pm$ 0.047	χ^2 /NDF: 6365002826.7/20	All: 126515.357 $\pm$ 0.025	χ^2 /NDF: 138317794
Right Out: 127724.519 $\pm$ 0.055	χ^2 /NDF: 112550604.4/18	- sign 126612.933 $\pm$ 0.035	χ^2 /NDF: 6533604143.1/19
Left In: 125811.899 $\pm$ 0.046	χ^2 /NDF: 5705849777.7/19		

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 ± 0.041 χ^2/NDF : 836415.1/16

Left Out: 180.315 ± 0.033 χ^2/NDF : 964482.1/20

Right Out: 137.151 ± 0.039 χ^2/NDF : 957730.8/18

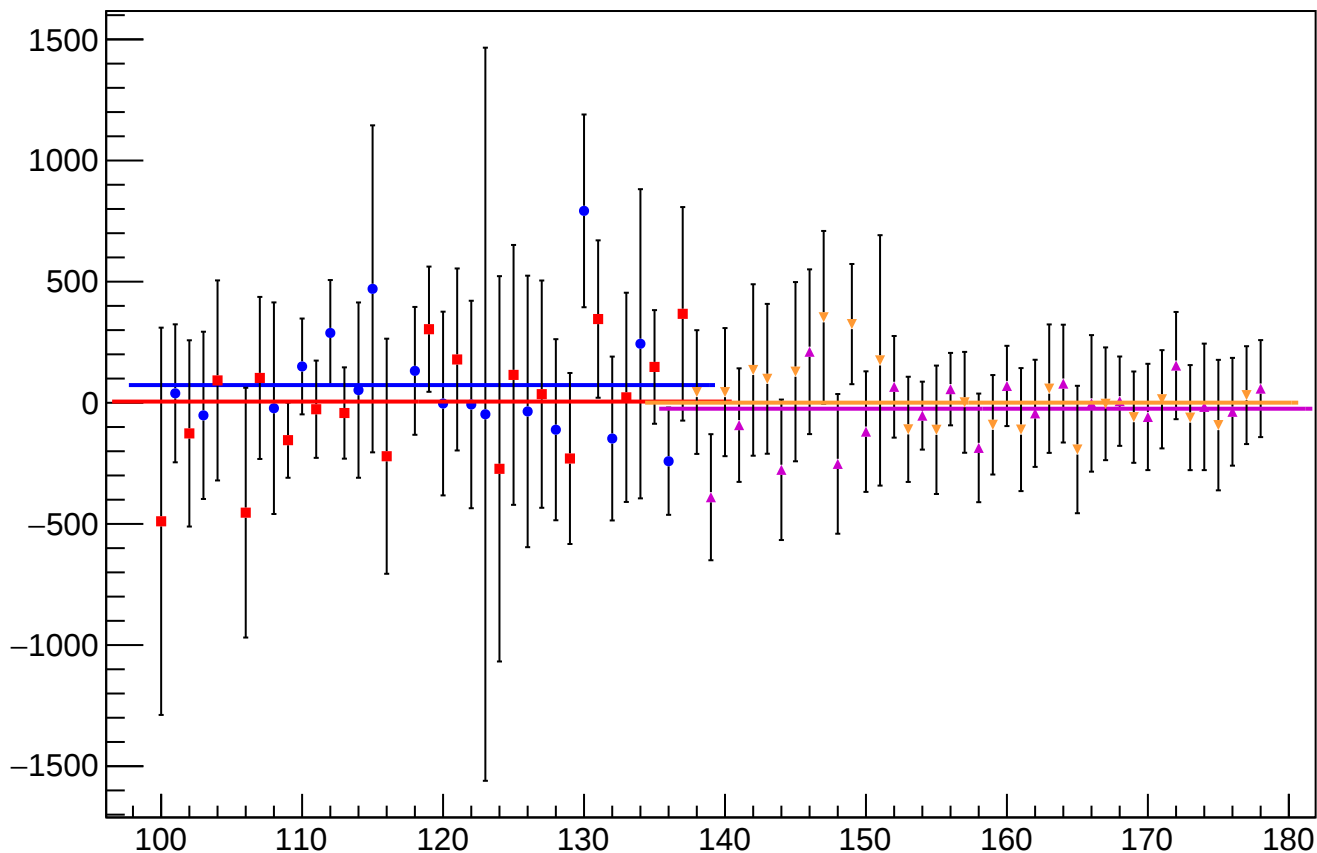
Left In: 178.074 ± 0.033 χ^2/NDF : 935525.7/19

+ sign 165.496 ± 0.026 χ^2/NDF : 2322203.6/37

All: 163.147 ± 0.018 χ^2/NDF : 4886493.1/76

- sign 160.935 ± 0.025 χ^2/NDF : 2548080.3/38

asym_bcm_an_ds_mean vs Slug



Right In: 73.109 ± 79.604 χ^2/NDF : 7.9/16

Left Out: 0.582 ± 54.217 χ^2/NDF : 5.0/20

Right Out: 5.021 ± 70.098 χ^2/NDF : 7.1/18

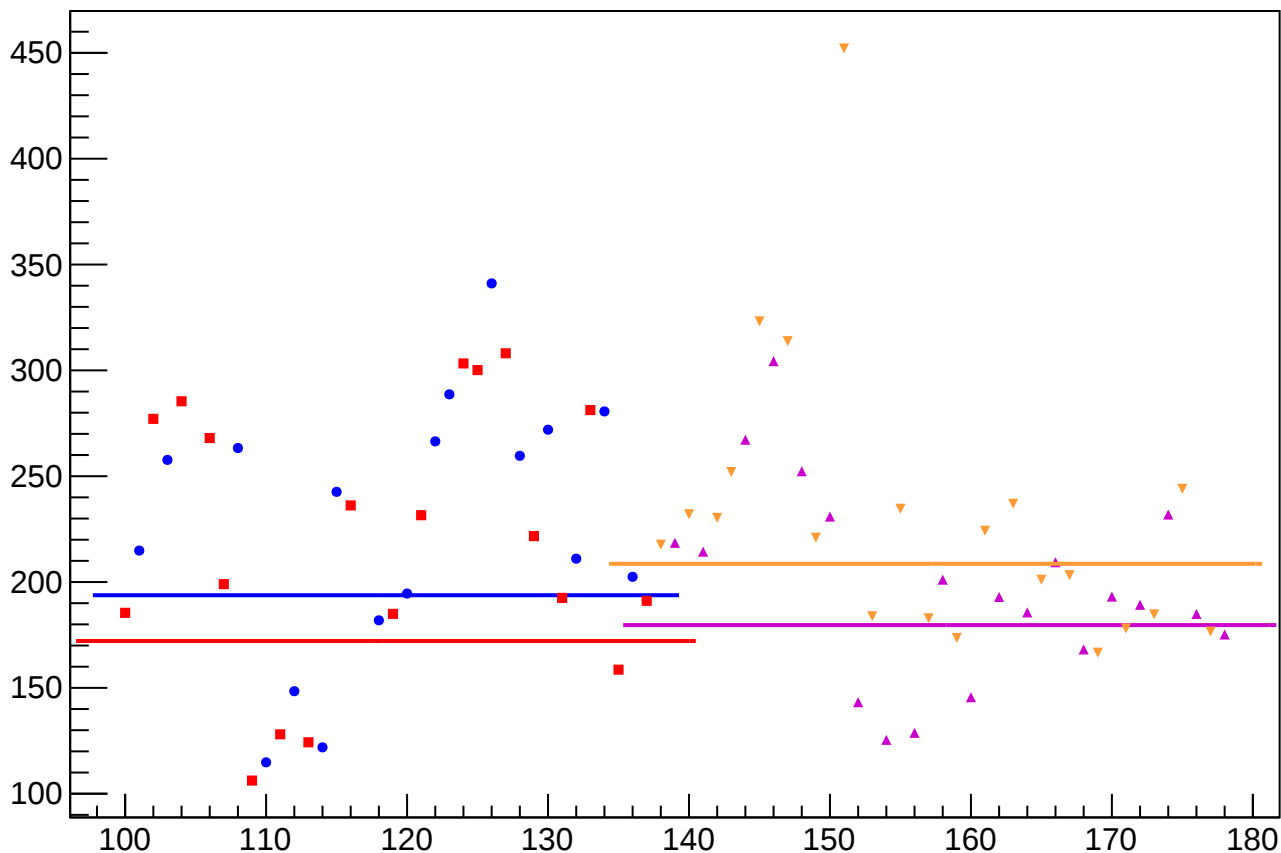
Left In: -24.488 ± 47.850 χ^2/NDF : 6.5/19

+ sign 23.564 ± 44.811 χ^2/NDF : 13.4/37

All: 1.811 ± 29.640 χ^2/NDF : 27.5/76

- sign -15.109 ± 39.520 χ^2/NDF : 13.7/38

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 208.623 $\pm$ 0.038 χ^2 /NDF:1300822.4/20

Right Out: 172.142 $\pm$ 0.050 χ^2 /NDF: 1580035.1/18

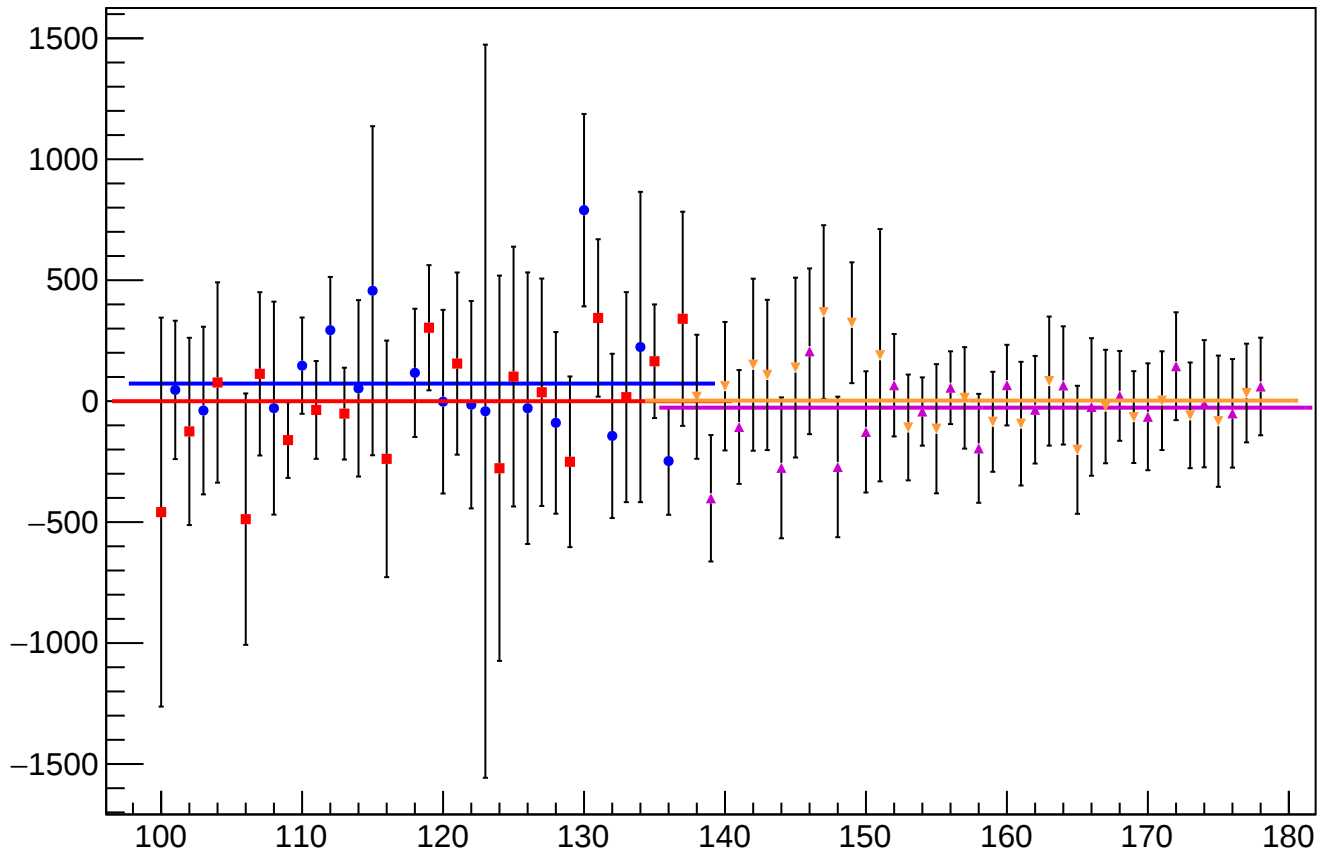
Left In: 179.665 $\pm$ 0.034 χ^2 /NDF:1577638.4/19

+ sign 203.917 $\pm$ 0.032 χ^2 /NDF: 2365455.0/37

All: 188.931 $\pm$ 0.021 χ^2 /NDF: 5936558.9/76

- sign 177.274 $\pm$ 0.028 χ^2 /NDF: 3173386.2/38

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 2.393+/-54.588 χ^2/NDF : 5.1/20

Right Out: -0.181+/-70.467 χ^2/NDF : 7.3/18

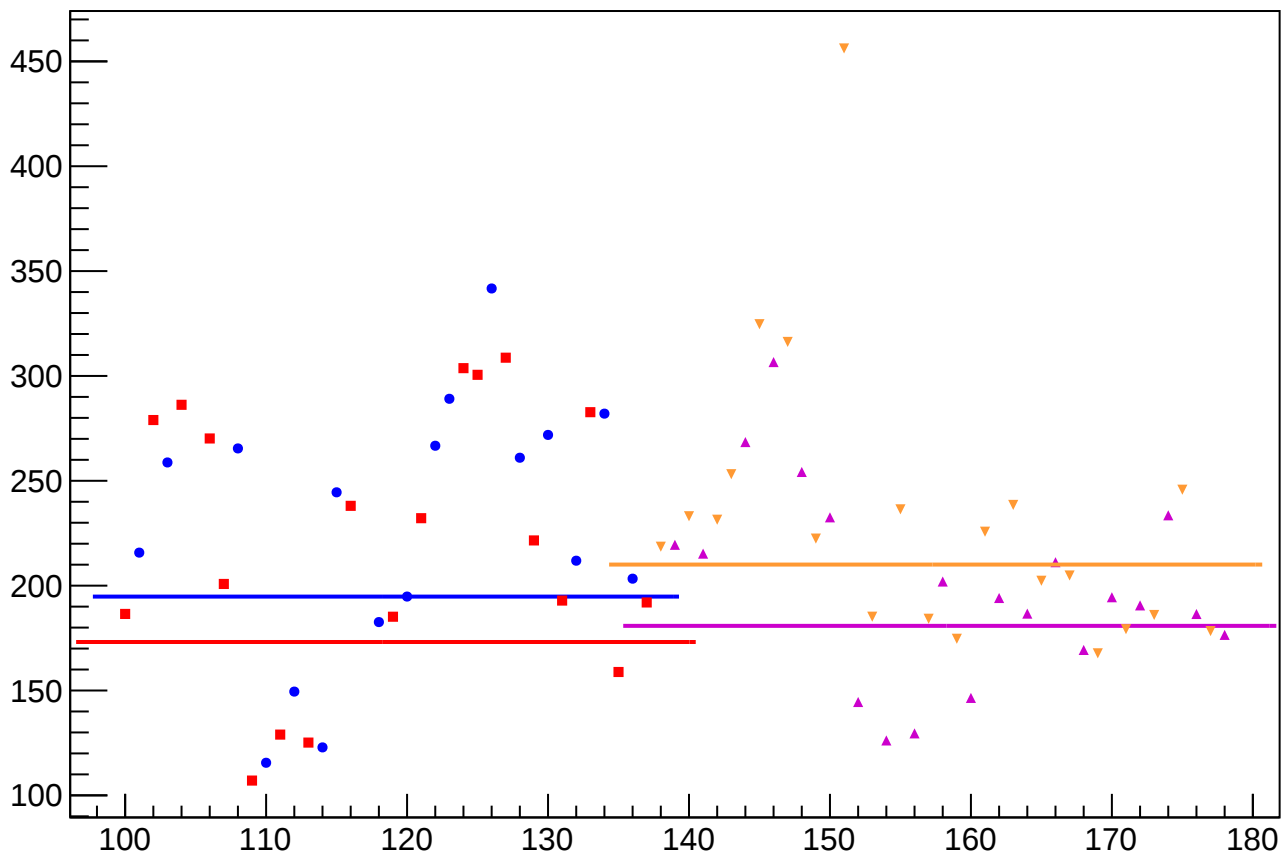
Left In: -26.873+/-48.161 χ^2/NDF : 6.6/19

+ sign 24.723+/-45.089 χ^2/NDF : 13.4/37

All: 0.479+/-29.822 χ^2/NDF : 27.9/76

- sign -18.375+/-39.761 χ^2/NDF : 14.0/38

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 210.054 $\pm$ 0.039 χ^2 /NDF:1297720.1/20

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

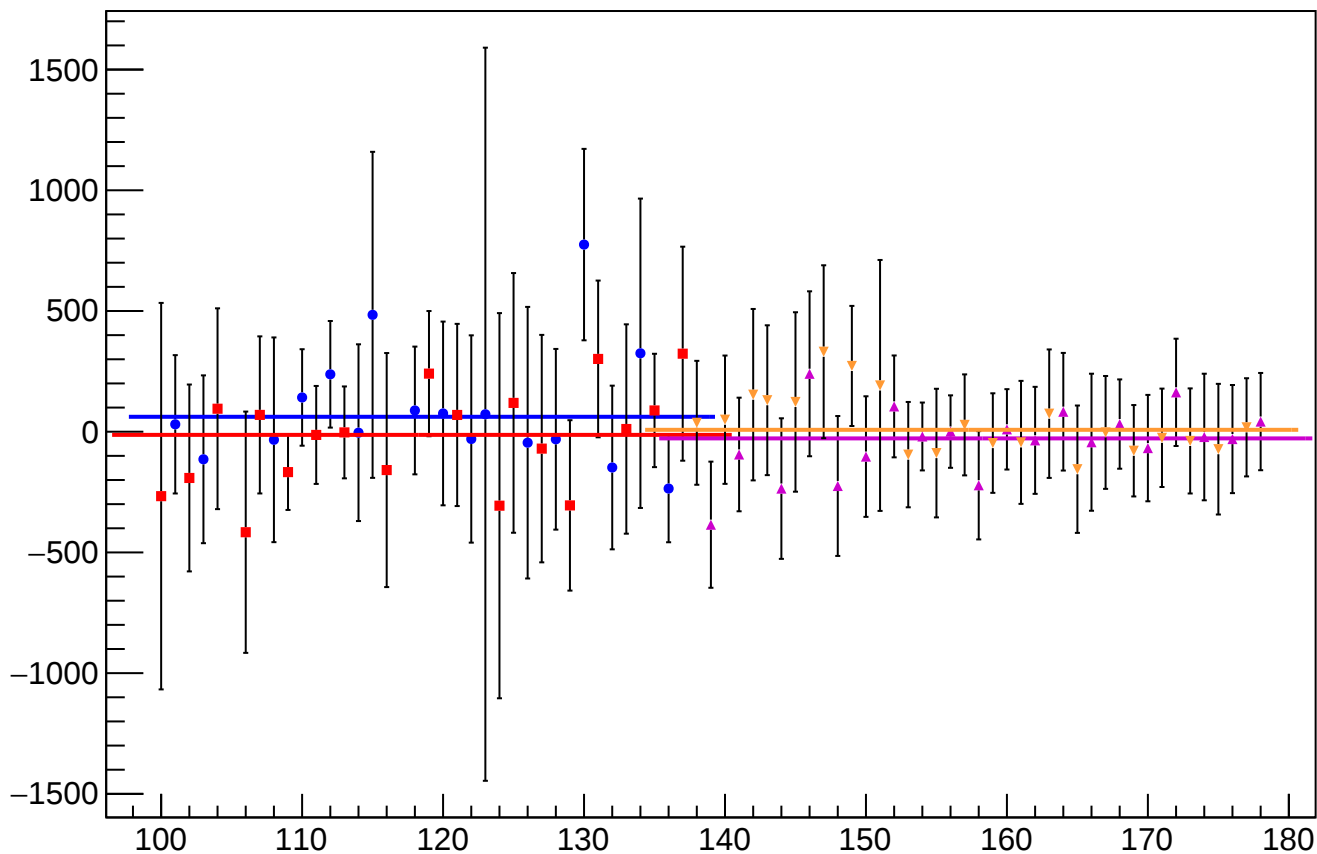
Left In: 180.827 $\pm$ 0.034 χ^2 /NDF:1576984.9/19

+ sign 205.202 $\pm$ 0.032 χ^2 /NDF: 2355750.9/37

All: 190.112 $\pm$ 0.021 χ^2 /NDF: 5914765.9/76

- sign 178.377 $\pm$ 0.028 χ^2 /NDF: 3160801.6/38

asym_bcm_an_us_mean vs Slug



Right In: 61.814 ± 79.986 χ^2/NDF : 7.3/16

Left Out: 7.864 ± 54.456 χ^2/NDF : 3.8/20

Right Out: -13.101 ± 70.391 χ^2/NDF : 5.8/18

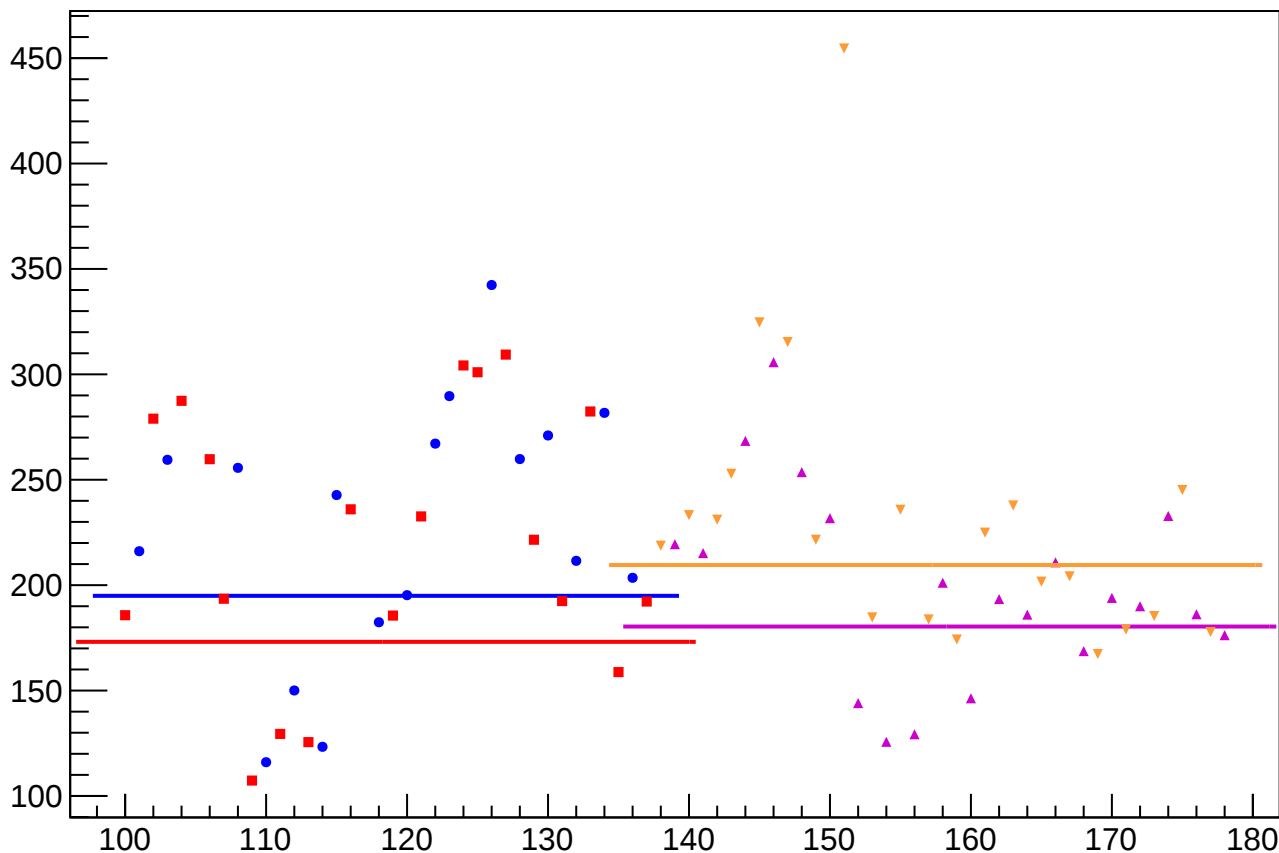
Left In: -27.704 ± 48.040 χ^2/NDF : 6.1/19

+ sign 24.951 ± 45.014 χ^2/NDF : 11.4/37

All: -2.069 ± 29.766 χ^2/NDF : 23.9/76

- sign -23.064 ± 39.680 χ^2/NDF : 11.9/38

asym_bcm_an_us_rms vs Slug



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 209.540 $\pm$ 0.039 χ^2 /NDF:1300216.7/20

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

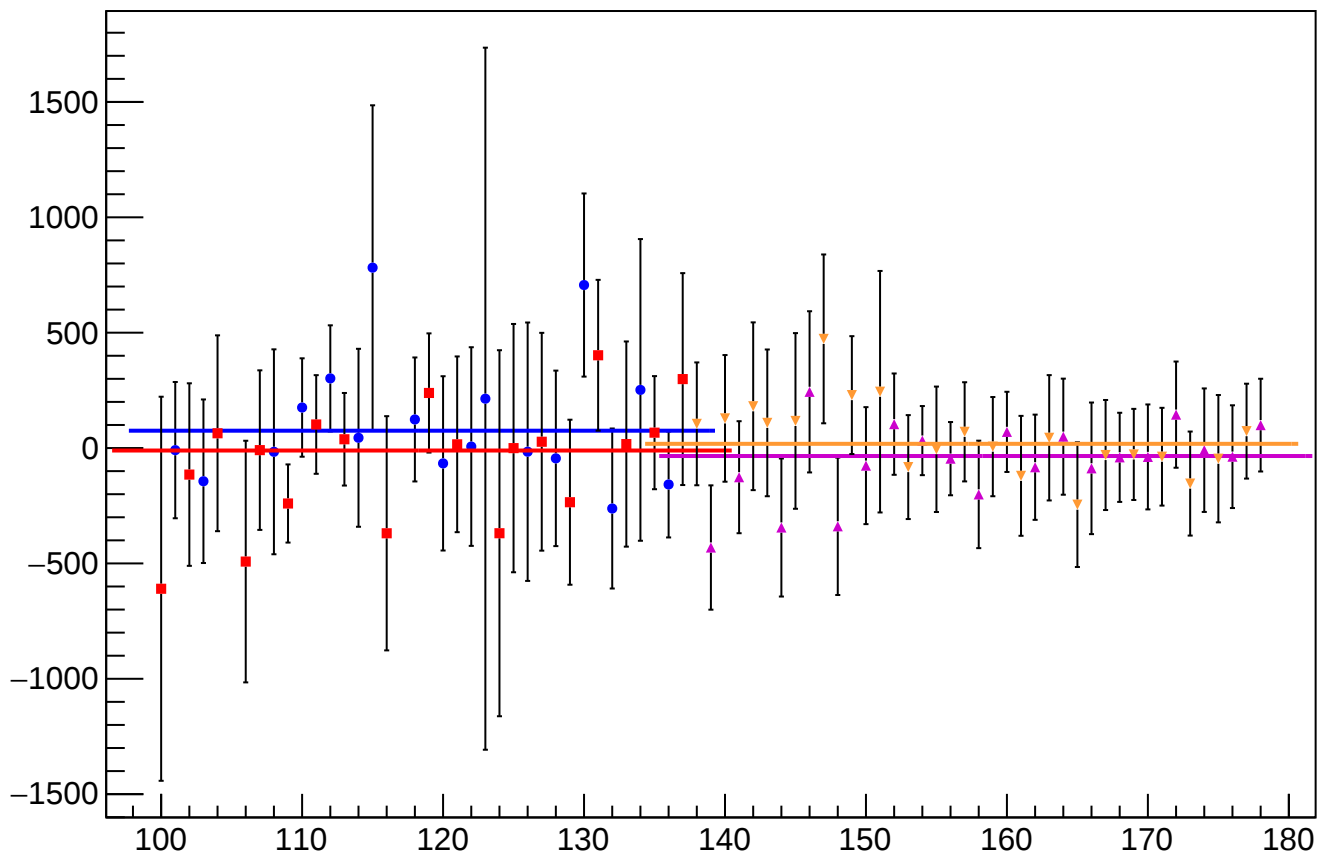
Left In: 180.367 $\pm$ 0.034 χ^2 /NDF:1580504.8/19

+ sign 204.916 $\pm$ 0.032 χ^2 /NDF: 2332384.2/37

All: 189.803 $\pm$ 0.021 χ^2 /NDF: 5872705.2/76

- sign 178.060 $\pm$ 0.028 χ^2 /NDF: 3139734.4/38

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 18.321 $\pm$ 56.010 χ^2 /NDF: 5.4/20

Right Out: -10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

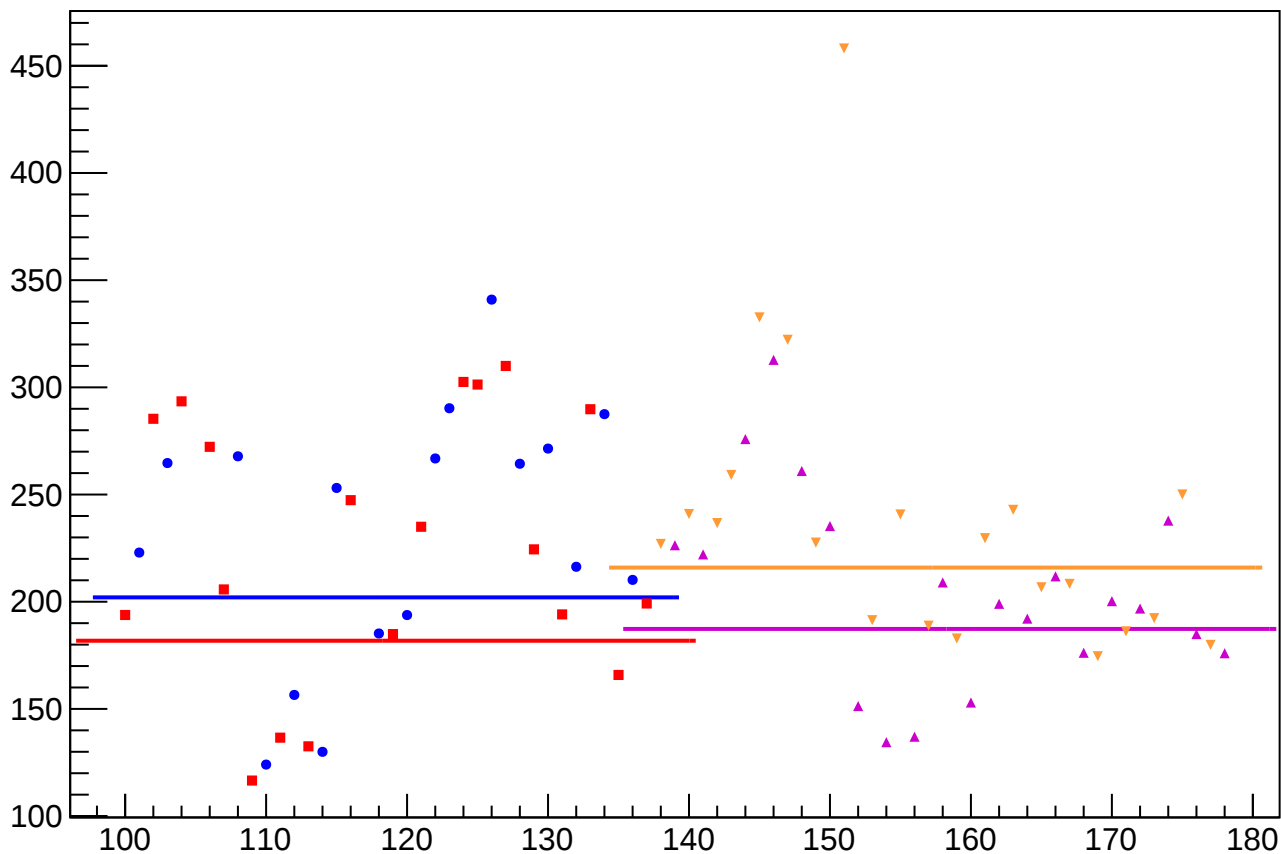
Left In: -34.512 $\pm$ 49.702 χ^2 /NDF: 7.8/19

+ sign 36.267 $\pm$ 46.341 χ^2 /NDF: 13.4/37

All: 0.883 $\pm$ 30.767 χ^2 /NDF: 30.1/76

- sign -27.009 $\pm$ 41.143 χ^2 /NDF: 15.7/38

asym_bcm_dg_us_rms vs Slug



Right In: 202.029 $\pm$ 0.058 χ^2/NDF : 881608.7/16

Left Out: 215.929 $\pm$ 0.040 χ^2/NDF : 1242744.4/20

Right Out: 181.811 $\pm$ 0.052 χ^2/NDF : 1377537.2/18

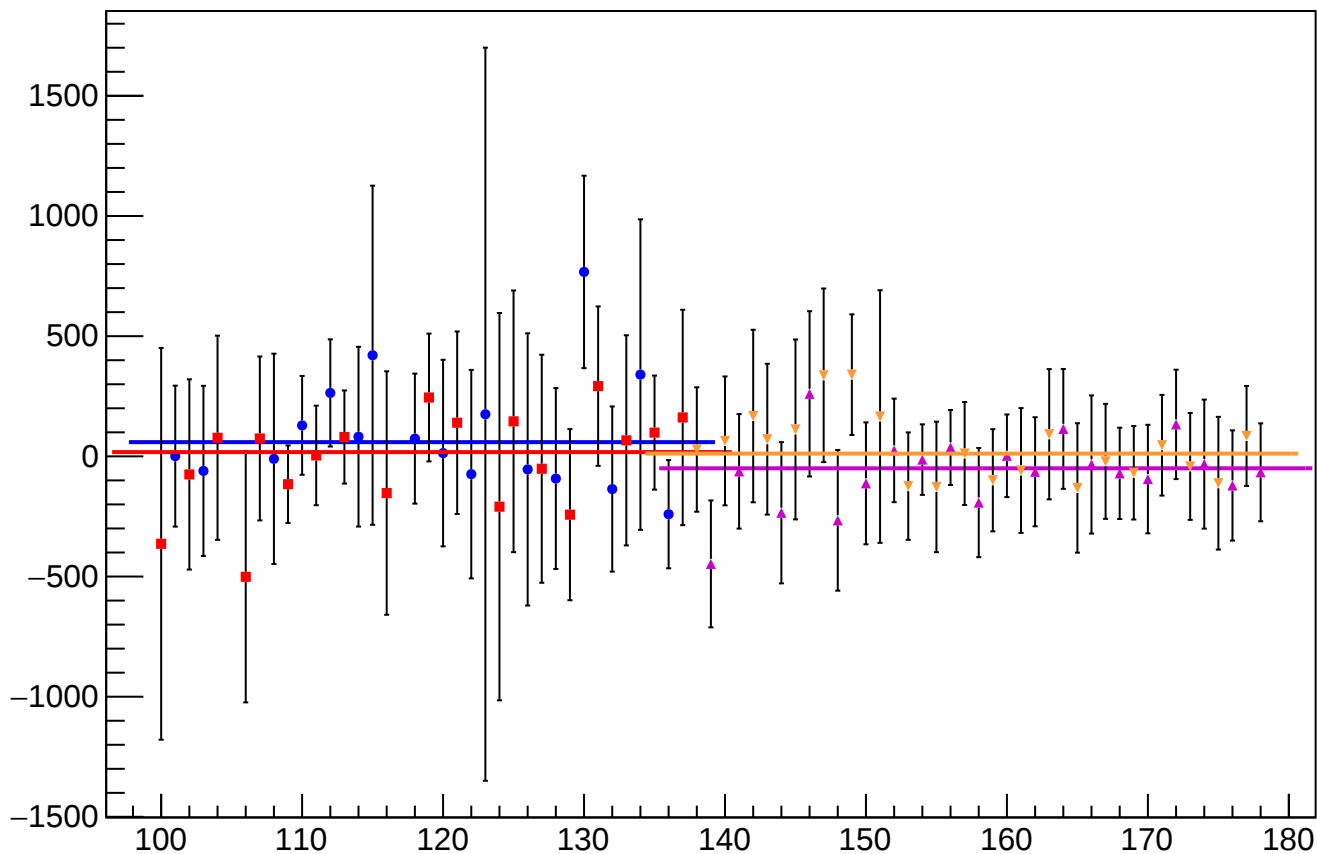
Left In: 187.310 $\pm$ 0.035 χ^2/NDF : 1424651.3/19

+ sign 211.544 $\pm$ 0.033 χ^2/NDF : 2163211.7/37

All: 197.025 $\pm$ 0.022 χ^2/NDF : 5324204.7/76

- sign 185.579 $\pm$ 0.029 χ^2/NDF : 2809893.5/38

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 11.386 $\pm$ 55.558 χ^2 /NDF: 4.9/20

Right Out: 17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

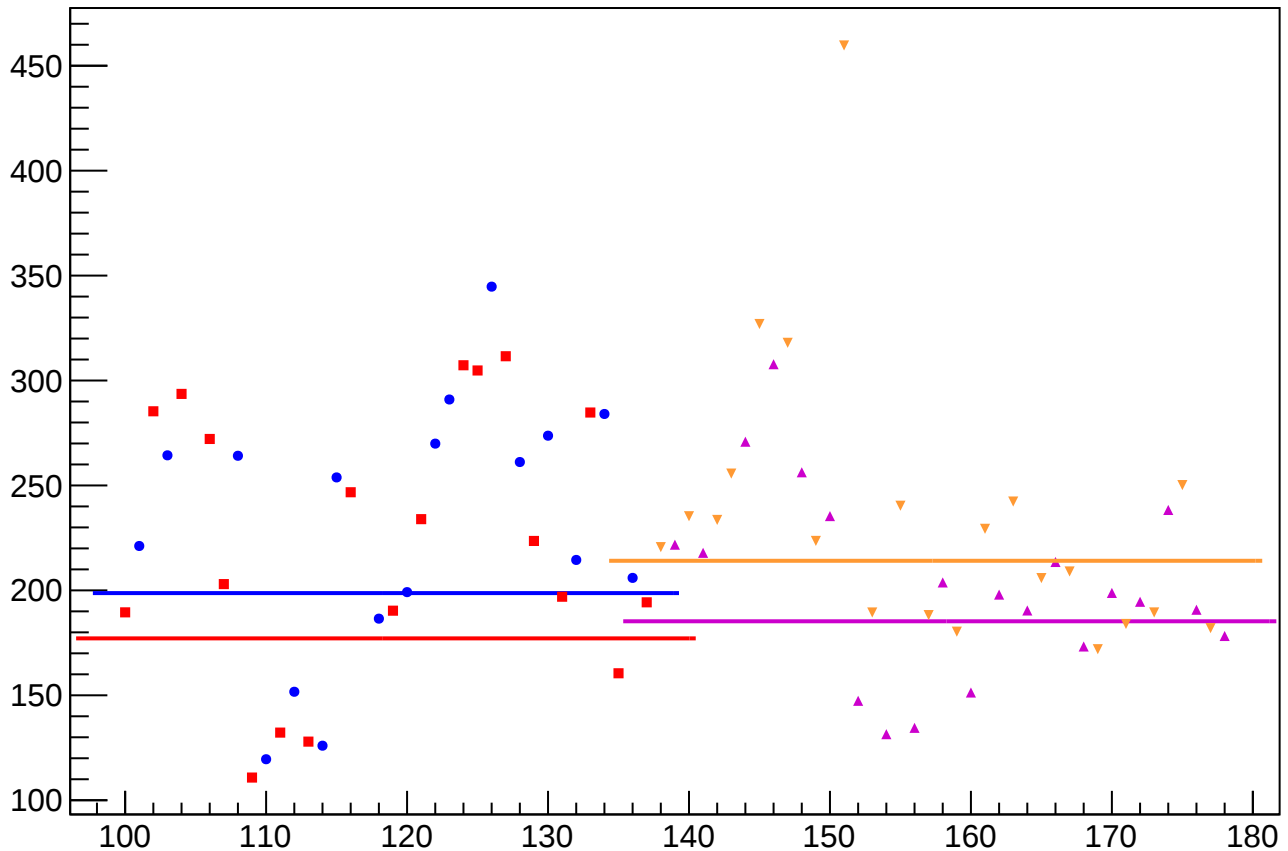
Left In: -49.708 $\pm$ 49.218 χ^2 /NDF: 6.3/19

+ sign 26.569 $\pm$ 45.892 χ^2 /NDF: 12.3/37

All: -4.139 $\pm$ 30.414 χ^2 /NDF: 24.6/76

- sign -28.191 $\pm$ 40.614 χ^2 /NDF: 11.6/38

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 214.103 $\pm$ 0.039 χ^2 /NDF:1237060.2/20

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

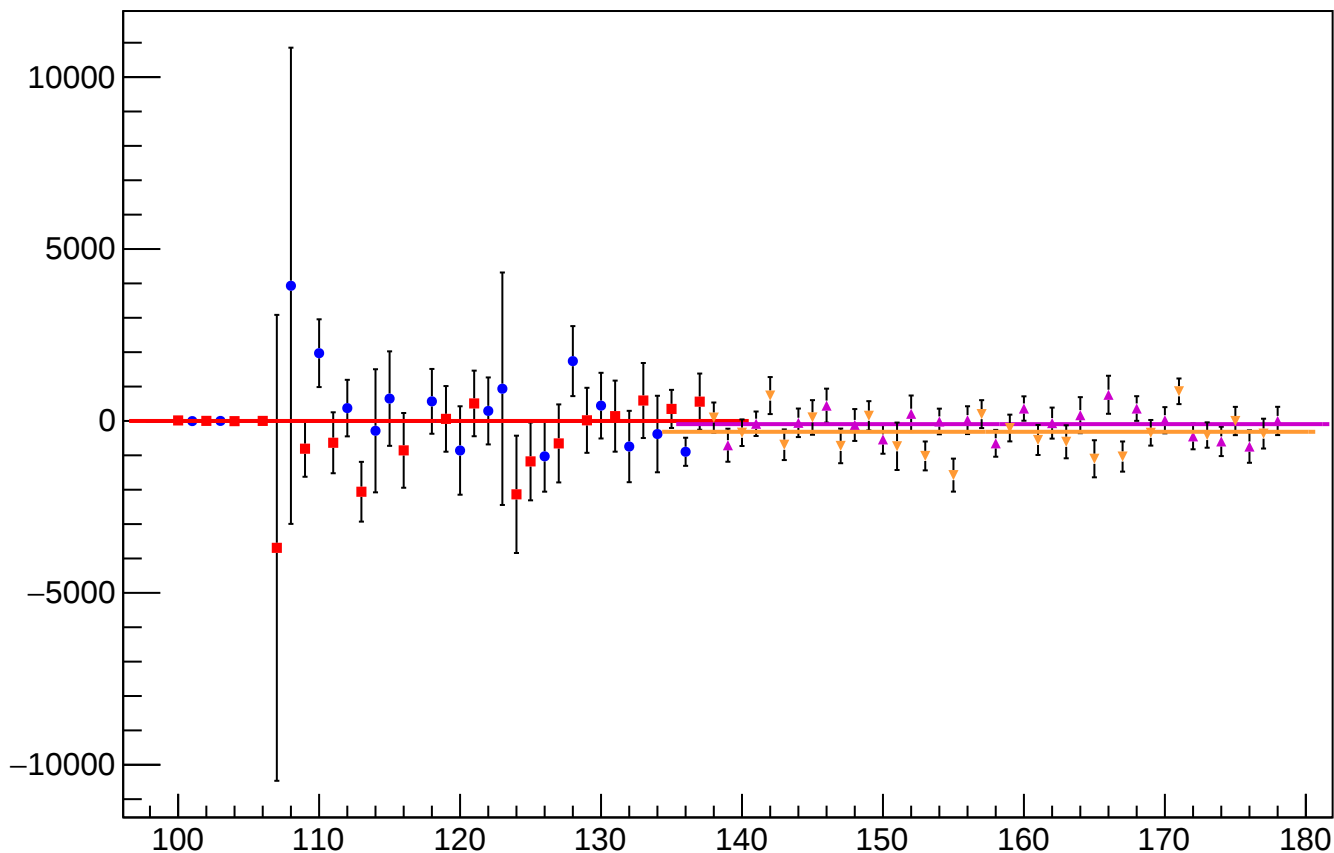
Left In: 185.272 $\pm$ 0.035 χ^2 /NDF:1455767.3/19

+ sign 209.210 $\pm$ 0.032 χ^2 /NDF: 2249271.1/37

All: 194.328 $\pm$ 0.022 χ^2 /NDF: 5622470.6/76

- sign 182.672 $\pm$ 0.029 χ^2 /NDF: 2998141.5/38

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -315.491 ± 95.458 χ^2/NDF : 35.8/20

Right Out: -0.731 ± 2.111 χ^2/NDF : 18.4/18

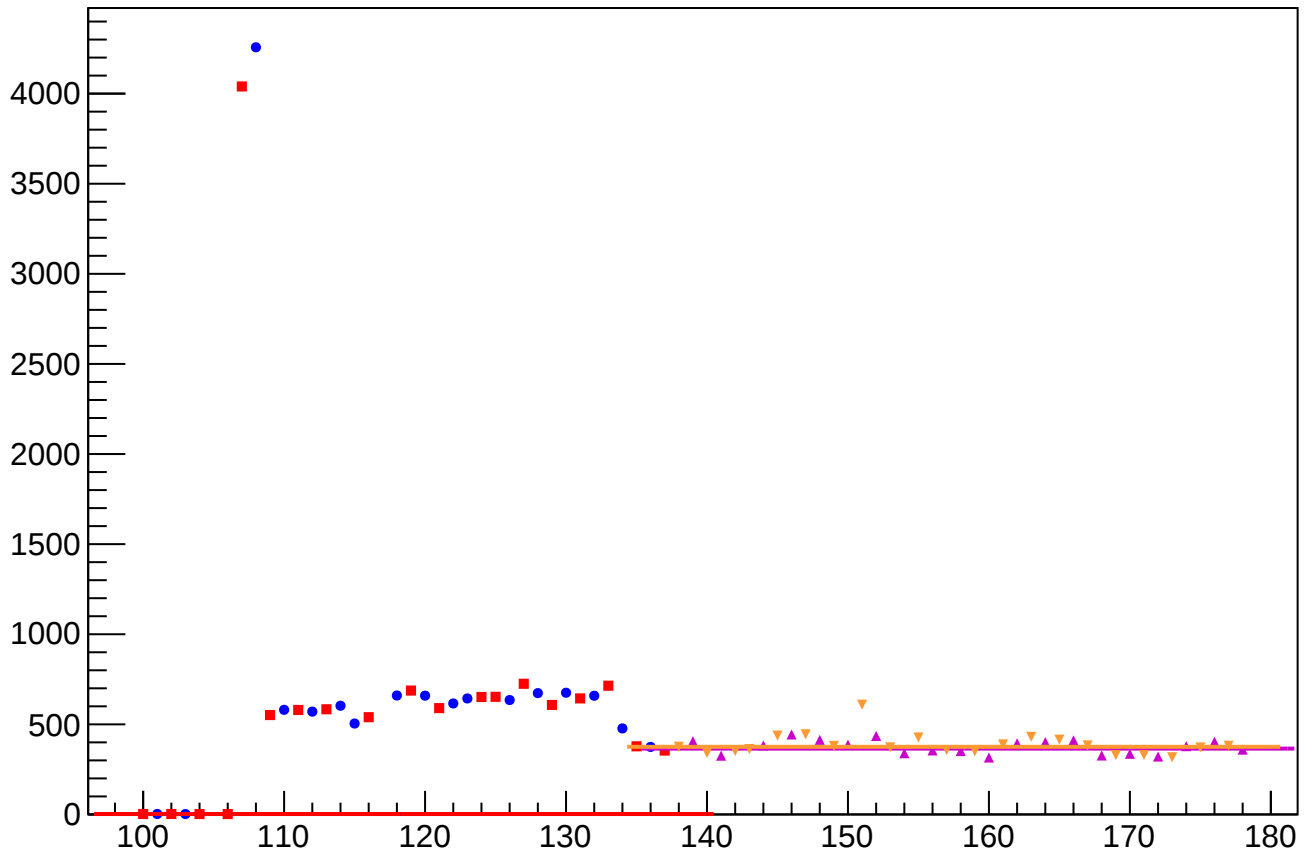
Left In: -92.755 ± 93.930 χ^2/NDF : 16.7/19

+ sign -1.704 ± 2.251 χ^2/NDF : 63.3/37

All: -1.211 ± 1.540 χ^2/NDF : 99.4/76

- sign -0.778 ± 2.111 χ^2/NDF : 36.0/38

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 375.413+/-0.067 χ^2/NDF : 505880.5/20

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

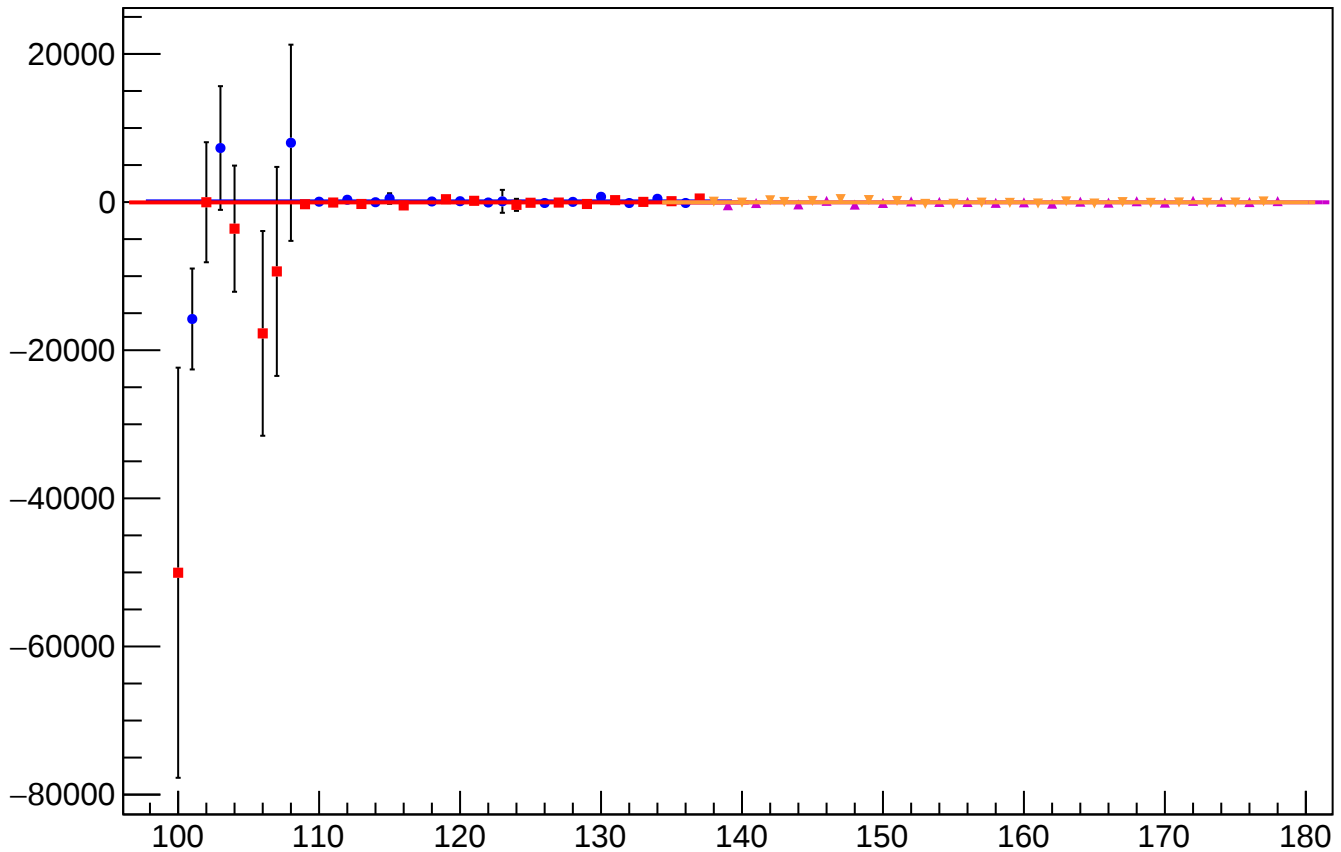
Left In: 365.433+/-0.066 χ^2/NDF : 315411.7/19

+ sign 2.663+/-0.002 χ^2/NDF : 41724825.6/37

All: 2.640+/-0.001 χ^2/NDF : 83035022.9/76

- sign 2.620+/-0.001 χ^2/NDF : 41309799.1/38

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -30.505+/-57.094 χ^2/NDF : 6.4/20

Right Out: -42.617+/-84.547 χ^2/NDF : 14.0/18

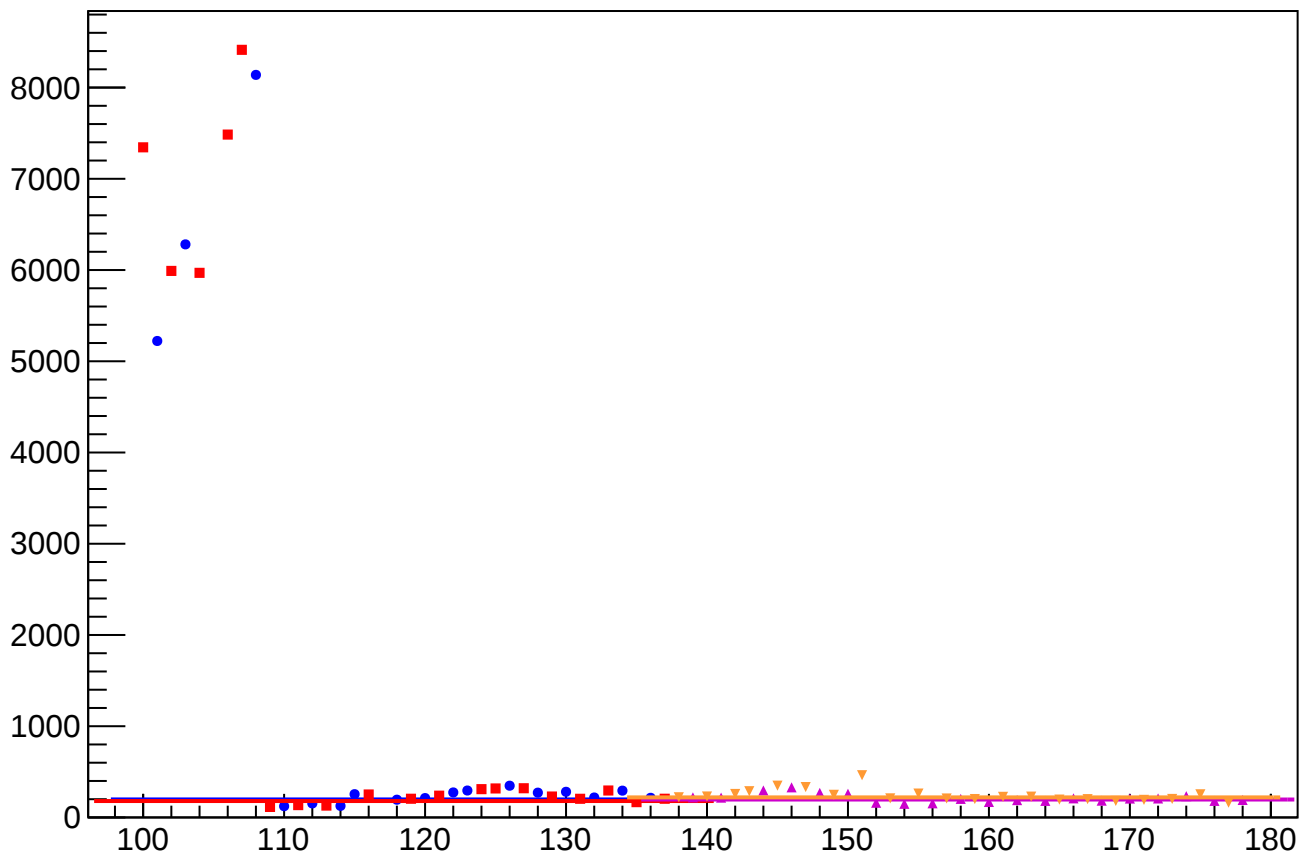
Left In: -29.176+/-51.848 χ^2/NDF : 7.9/19

+ sign 4.650+/-48.468 χ^2/NDF : 19.8/37

All: -15.824+/-32.659 χ^2/NDF : 42.0/76

- sign -32.850+/-44.199 χ^2/NDF : 21.9/38

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 219.856+/-0.040 χ^2/NDF :1363011.3/20

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

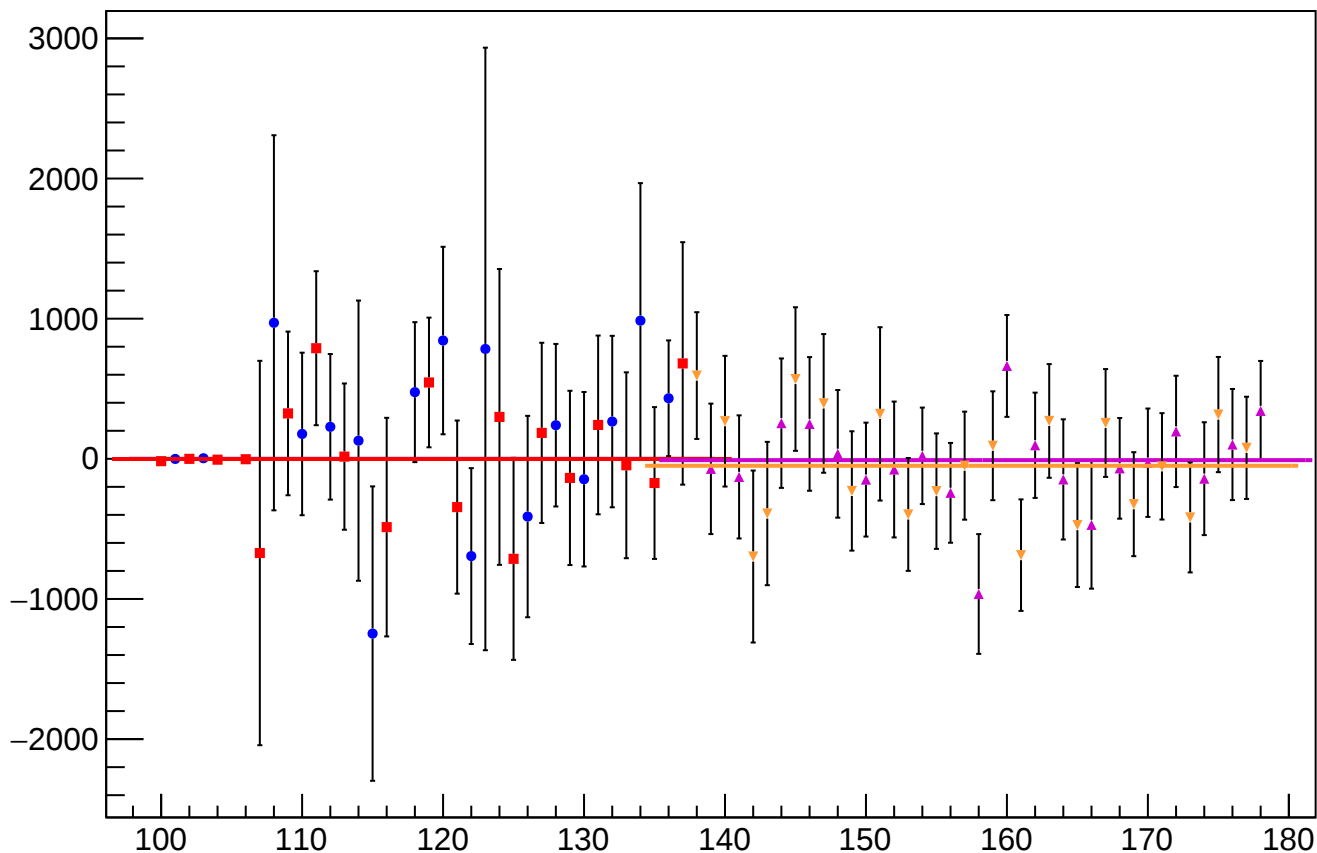
Left In: 196.550+/-0.037 χ^2/NDF :1131183.0/19

+ sign 213.590+/-0.034 χ^2/NDF : 5145113.7/37

All: 201.814+/-0.023 χ^2/NDF : 10869725.8/76

- sign 192.022+/-0.031 χ^2/NDF : 5508393.4/38

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -49.553 ± 92.918 χ^2/NDF : 15.0/20

Right Out: -1.324 ± 1.623 χ^2/NDF : 9.5/18

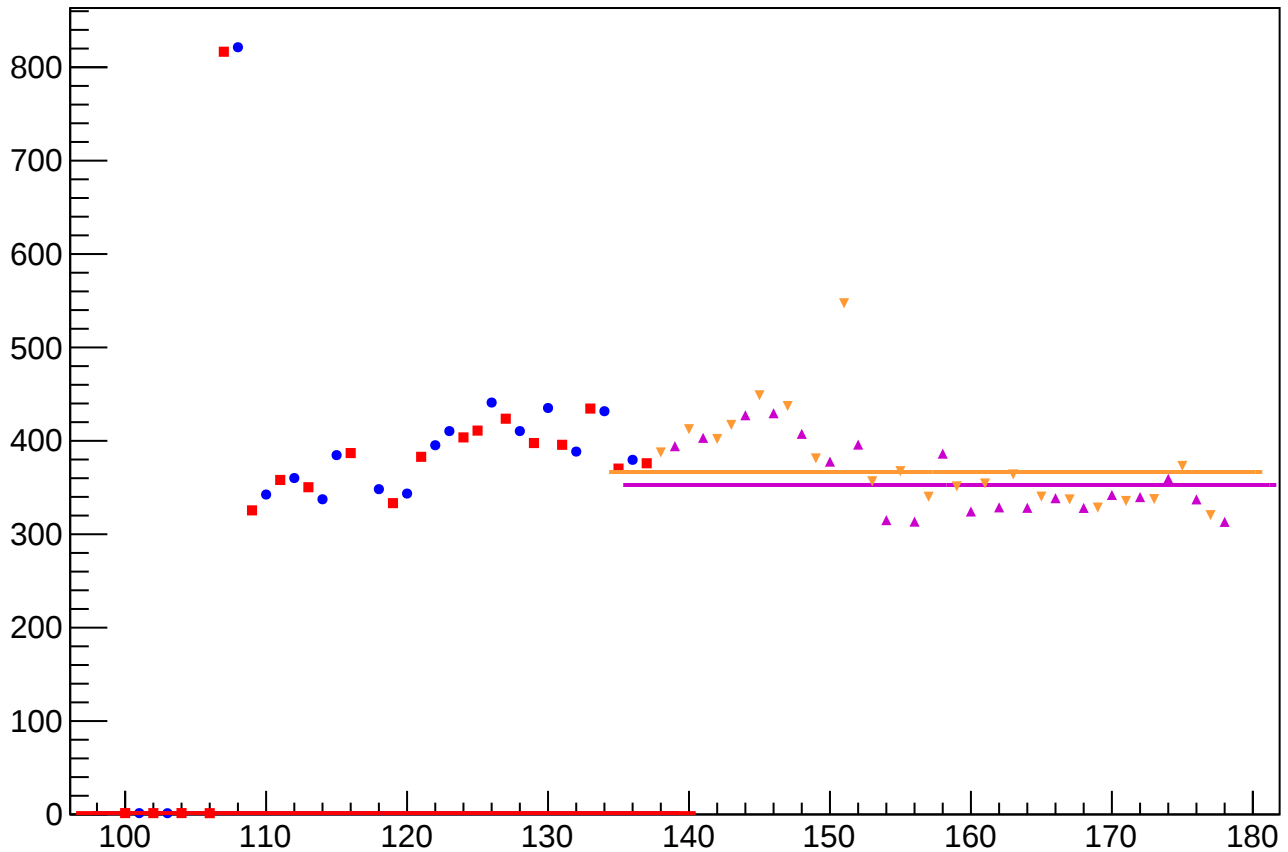
Left In: -9.454 ± 90.564 χ^2/NDF : 12.4/19

+ sign -0.156 ± 1.736 χ^2/NDF : 25.1/37

All: -0.781 ± 1.185 χ^2/NDF : 47.2/76

- sign -1.326 ± 1.622 χ^2/NDF : 21.9/38

asym_cav4dQ_rms vs Slug



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10815892.9/16

Left Out: 366.648 $\pm$ 0.066 χ^2 /NDF: 427375.0/20

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10873552.2/18

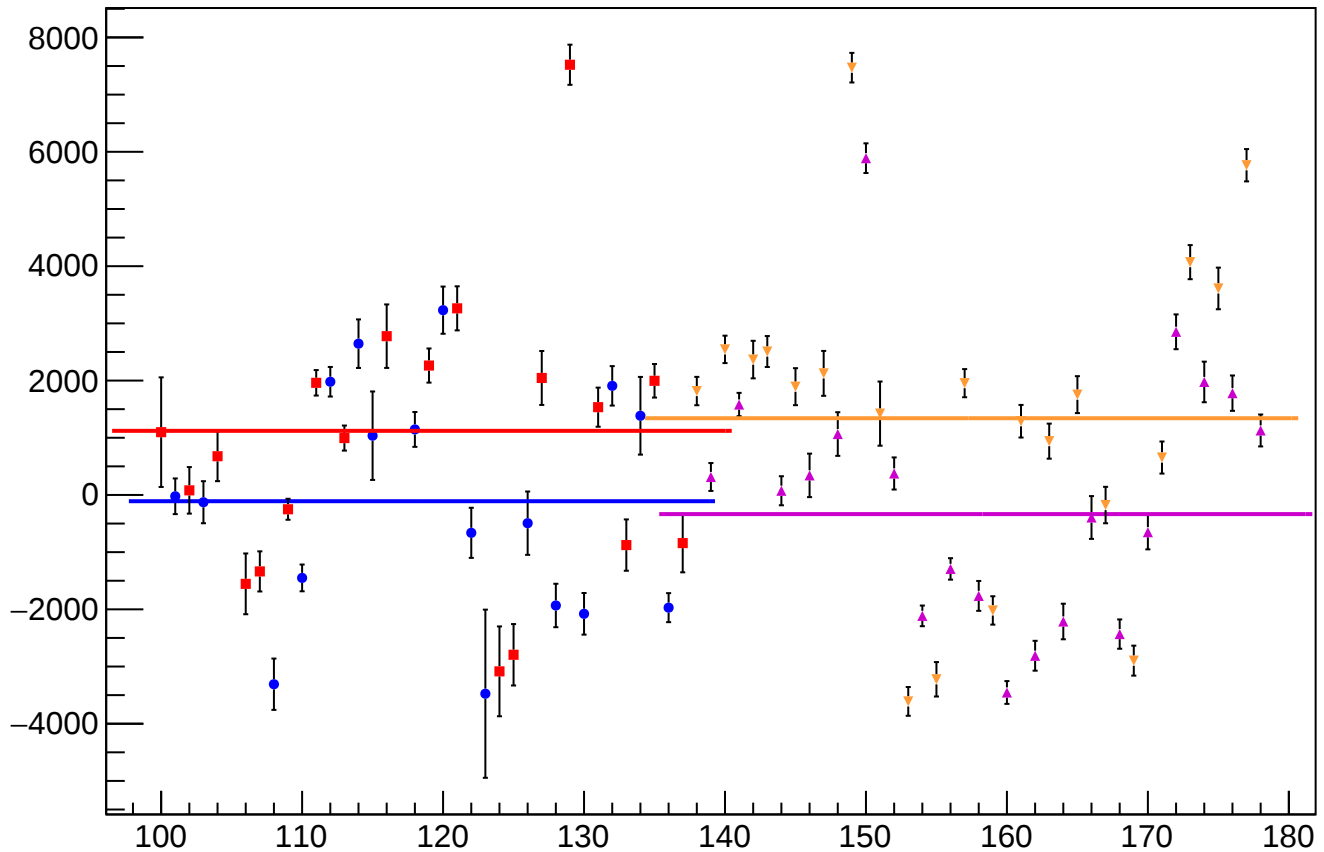
Left In: 352.747 $\pm$ 0.064 χ^2 /NDF: 329299.0/19

+ sign 1.580 $\pm$ 0.001 χ^2 /NDF: 42127067.6/37

All: 1.571 $\pm$ 0.001 χ^2 /NDF: 83413346.0/76

- sign 1.564 $\pm$ 0.001 χ^2 /NDF: 41286188.1/38

asym_bcm0l02_mean vs Slug



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 1341.686+/-63.073 χ^2/NDF : 2093.9/20

Right Out: 1121.203+/-78.396 χ^2/NDF : 670.1/18

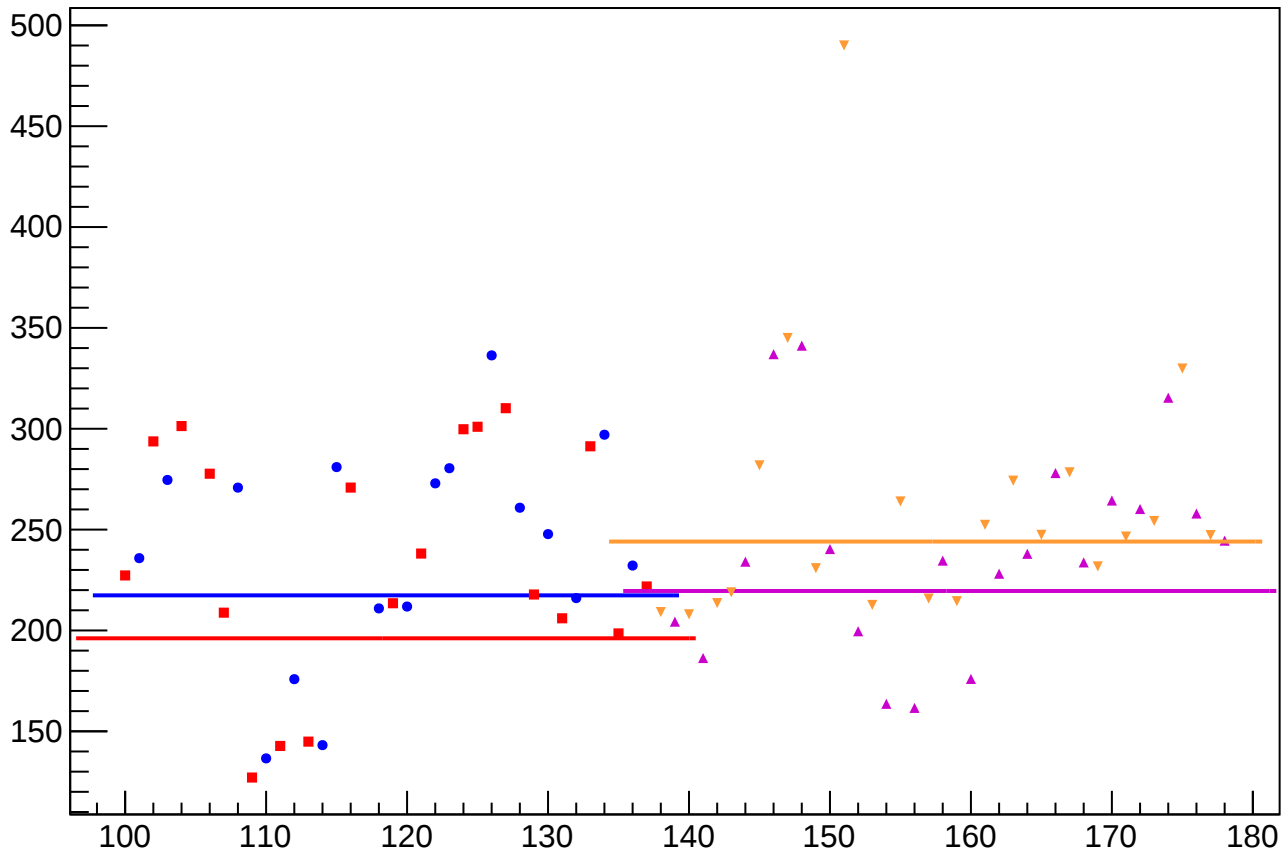
Left In: -334.699+/-58.007 χ^2/NDF : 1515.3/19

+ sign 849.001+/-51.257 χ^2/NDF : 2701.9/37

All: 483.161+/-34.493 χ^2/NDF : 5203.2/76

- sign 180.388+/-46.630 χ^2/NDF : 2408.2/38

asym_bcm0l02_rms vs Slug



Right In: 217.403 ± 0.062 χ^2/NDF : 652632.9/16

Left Out: 244.075 ± 0.045 χ^2/NDF : 926314.8/20

Right Out: 196.112 ± 0.055 χ^2/NDF : 1190862.3/18

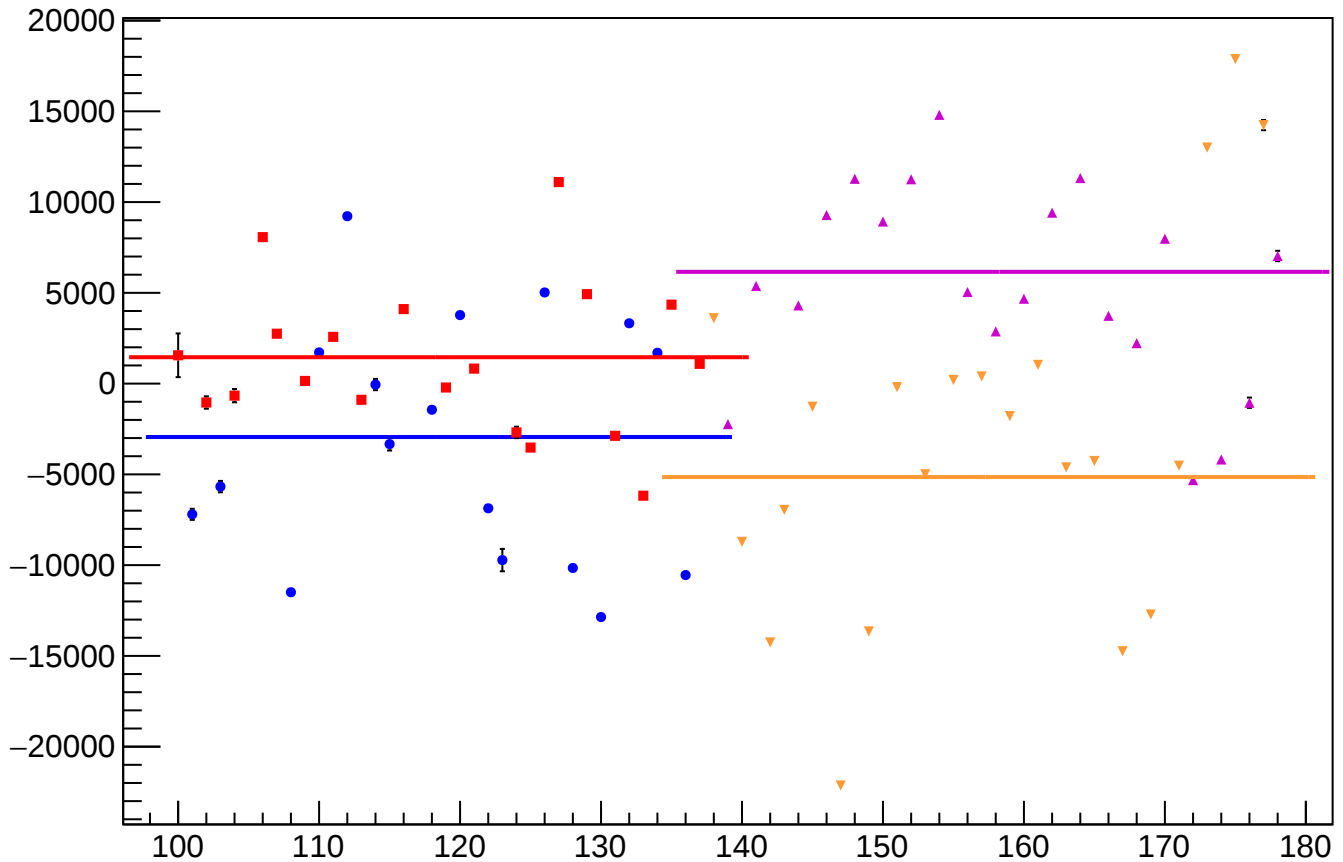
Left In: 219.574 ± 0.041 χ^2/NDF : 1306756.5/19

+ sign 235.018 ± 0.036 χ^2/NDF : 1700400.3/37

All: 222.026 ± 0.024 χ^2/NDF : 4548616.6/76

- sign 211.273 ± 0.033 χ^2/NDF : 2613369.4/38

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -5148.075+/-36.994 χ^2/NDF : 57527.7/20

Right Out: 1453.116+/-46.404 χ^2/NDF : 7996.0/18

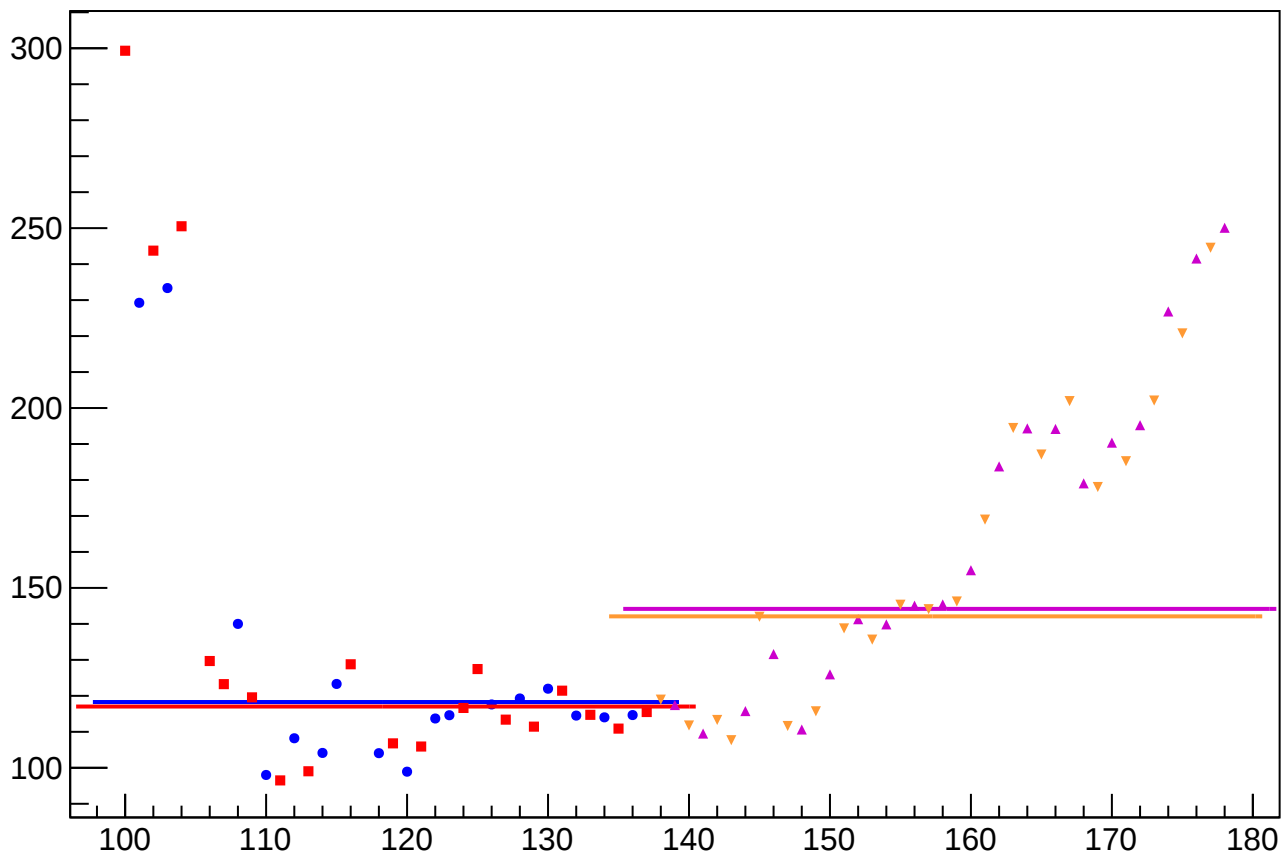
Left In: 6156.948+/-37.950 χ^2/NDF : 17091.9/19

+ sign -4339.445+/-29.439 χ^2/NDF : 79740.4/37

All: -24.732+/-20.794 χ^2/NDF : 153857.7/76

- sign 4271.765+/-29.377 χ^2/NDF : 31245.2/38

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 142.094+/-0.026 χ^2/NDF : 1664174.7/20

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

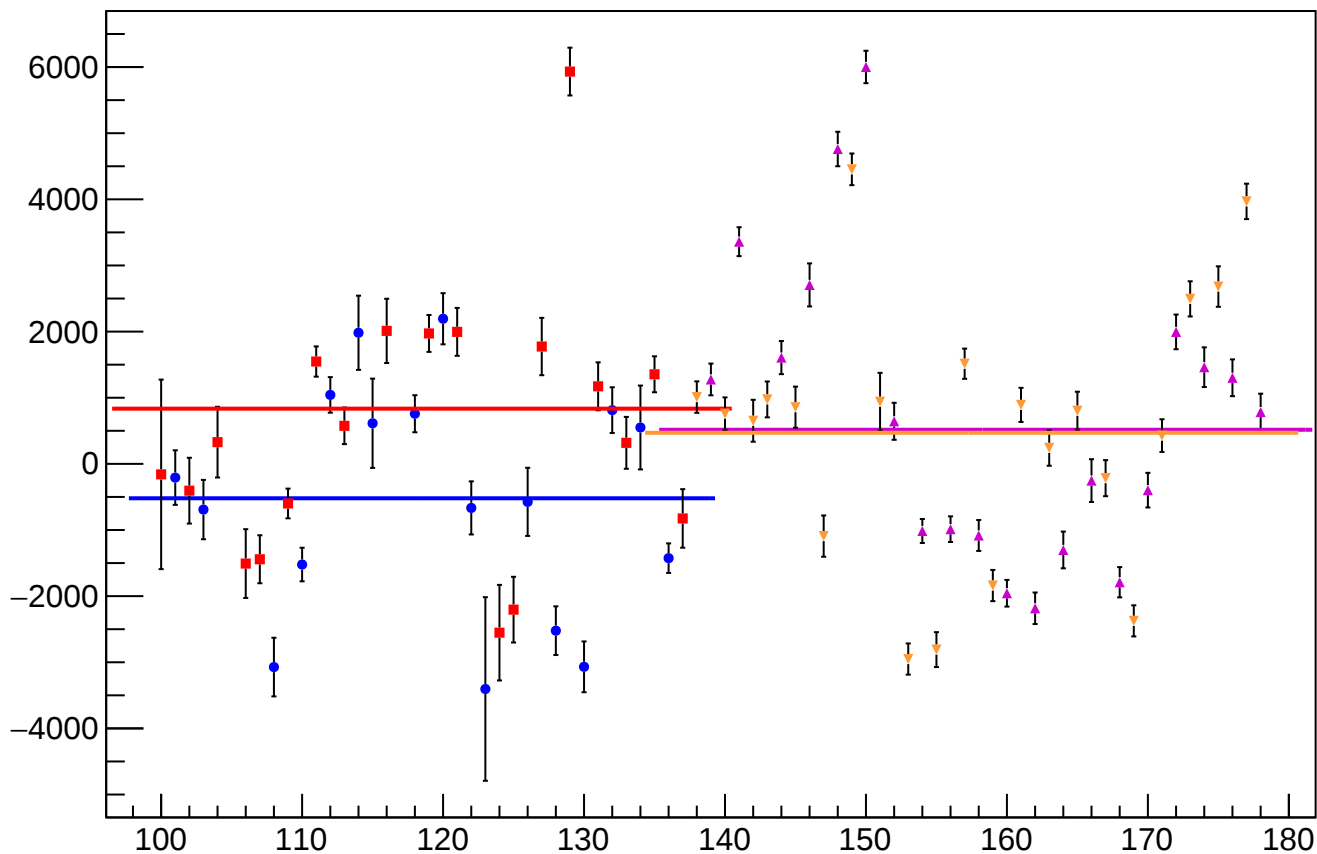
Left In: 144.172+/-0.027 χ^2/NDF : 1737832.6/19

+ sign 133.363+/-0.021 χ^2/NDF : 2604889.7/37

All: 133.329+/-0.015 χ^2/NDF : 5443572.1/76

- sign 133.295+/-0.021 χ^2/NDF : 2838677.1/38

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 470.109 ± 57.924 χ^2/NDF : 1234.5/20

Right Out: 834.834 ± 82.273 χ^2/NDF : 434.7/18

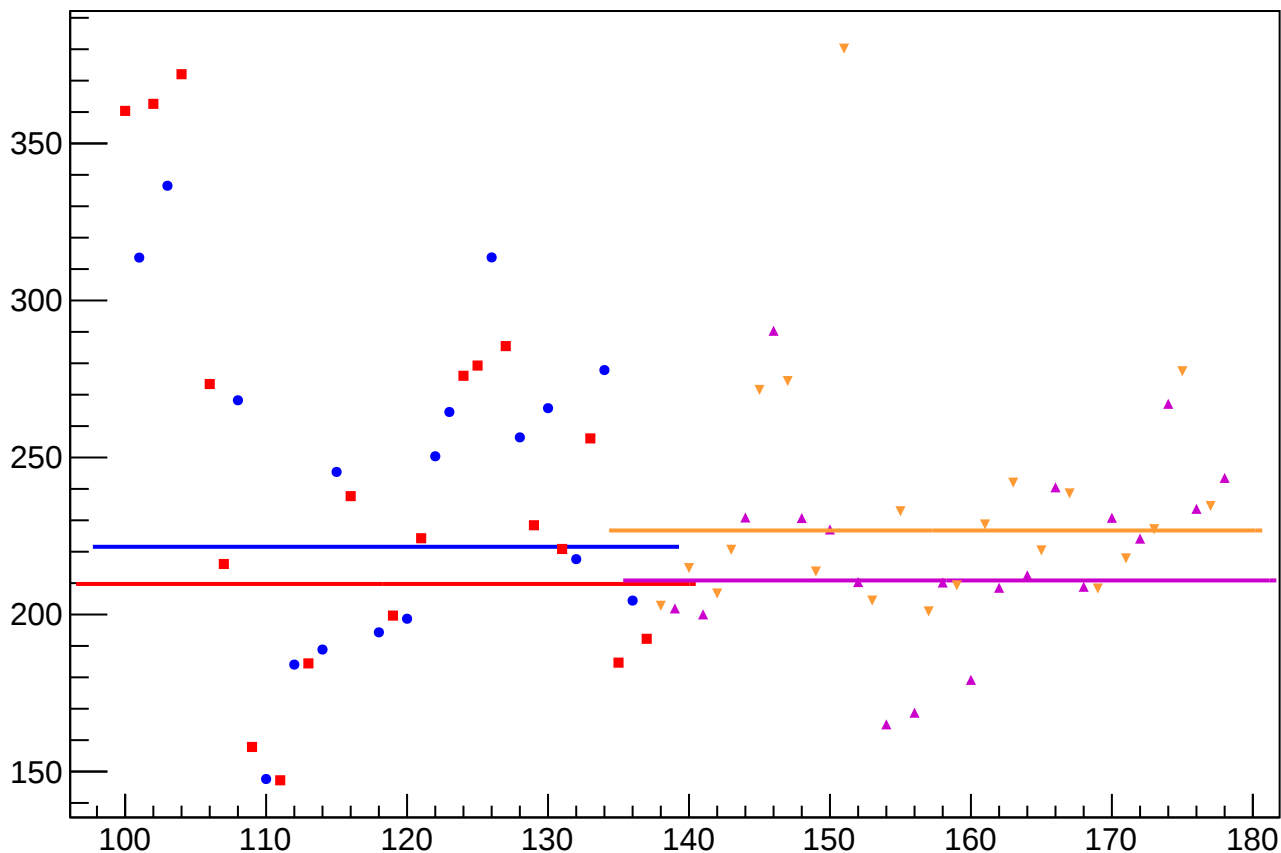
Left In: 515.752 ± 54.785 χ^2/NDF : 1680.2/19

+ sign 176.545 ± 48.586 χ^2/NDF : 1609.3/37

All: 409.008 ± 33.250 χ^2/NDF : 3777.6/76

- sign 613.772 ± 45.600 χ^2/NDF : 2125.3/38

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 226.761 $\pm$ 0.041 χ^2 /NDF: 513454.4/20

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

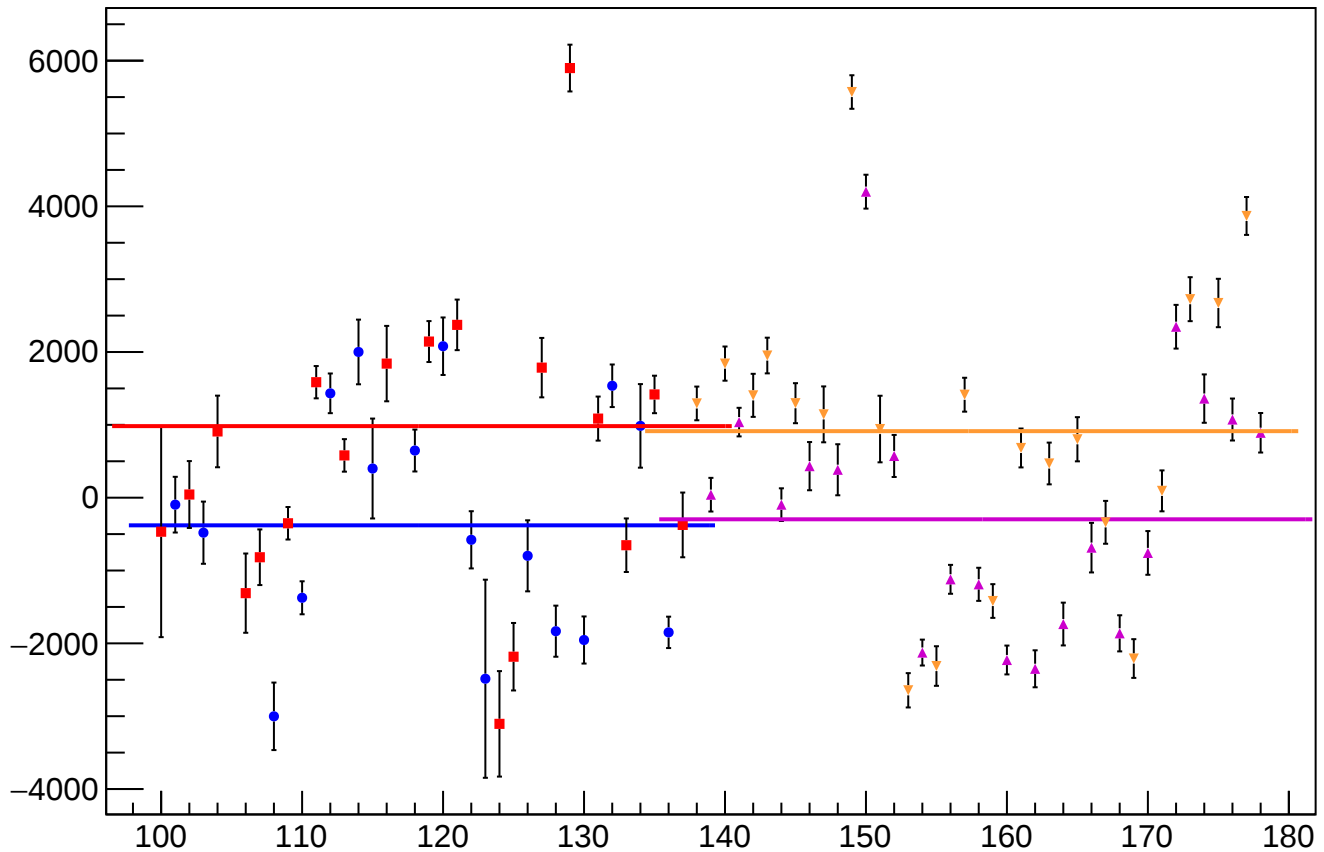
Left In: 210.850 $\pm$ 0.039 χ^2 /NDF: 576789.6/19

+ sign 225.222 $\pm$ 0.034 χ^2 /NDF: 1163156.7/37

All: 217.399 $\pm$ 0.024 χ^2 /NDF: 2721648.8/76

- sign 210.508 $\pm$ 0.032 χ^2 /NDF: 1460965.7/38

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 913.472 ± 58.968 χ^2/NDF : 1285.8/20

Right Out: 982.539 ± 77.724 χ^2/NDF : 476.3/18

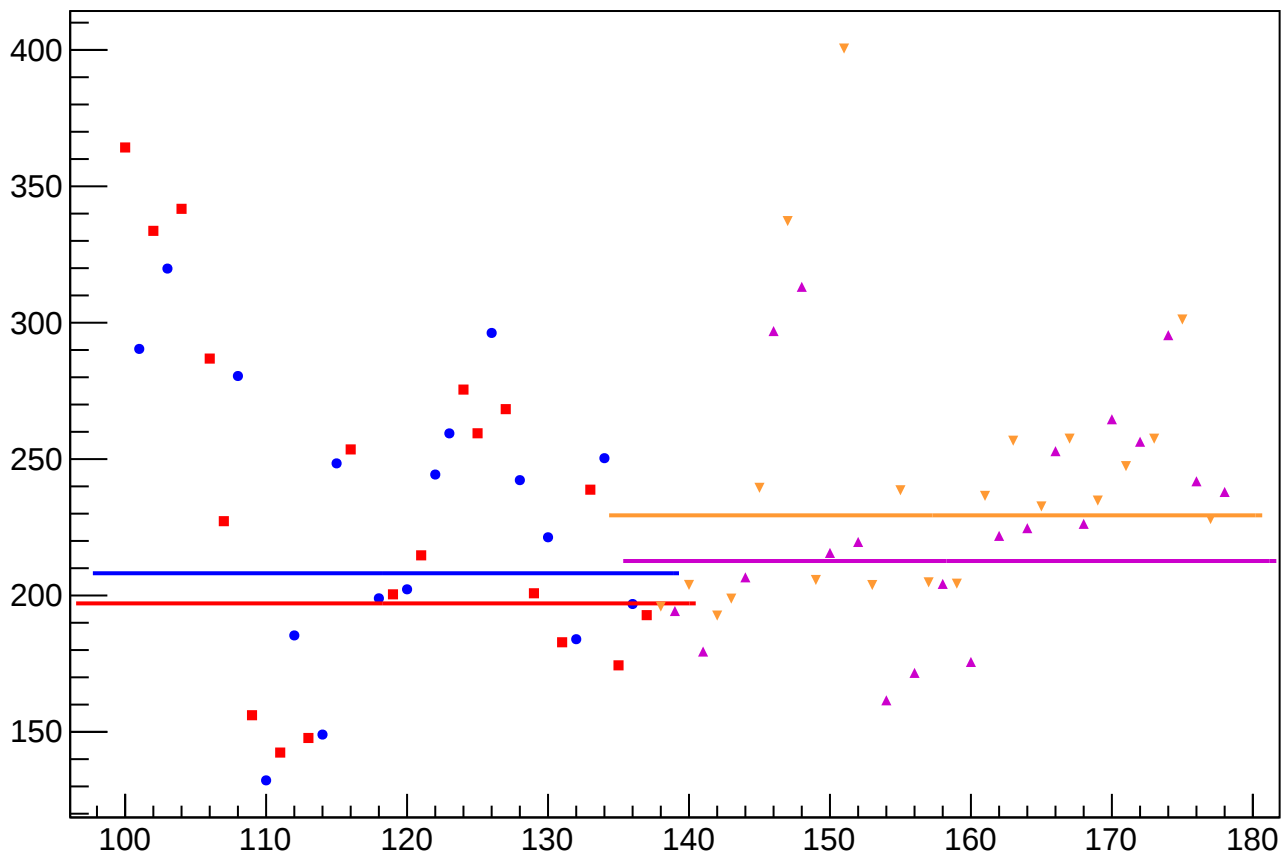
Left In: -296.812 ± 55.634 χ^2/NDF : 951.6/19

+ sign 488.347 ± 48.312 χ^2/NDF : 1761.0/37

All: 300.930 ± 33.022 χ^2/NDF : 3396.3/76

- sign 136.599 ± 45.239 χ^2/NDF : 1607.0/38

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 229.384+/-0.042 χ^2/NDF : 819324.7/20

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

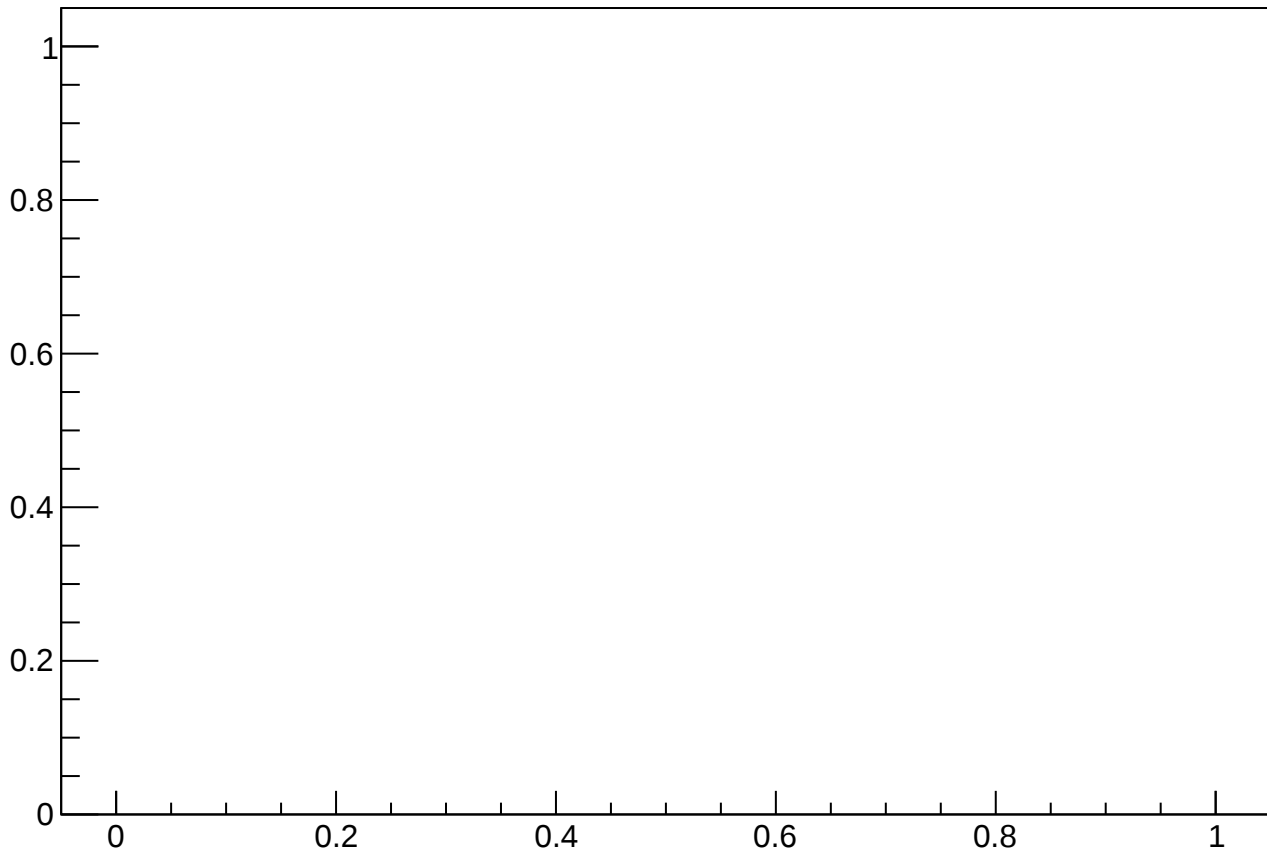
Left In: 212.642+/-0.039 χ^2/NDF : 994675.4/19

+ sign 222.403+/-0.034 χ^2/NDF : 1603659.9/37

All: 214.397+/-0.023 χ^2/NDF : 3680742.1/76

- sign 207.377+/-0.032 χ^2/NDF : 1974002.2/38

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

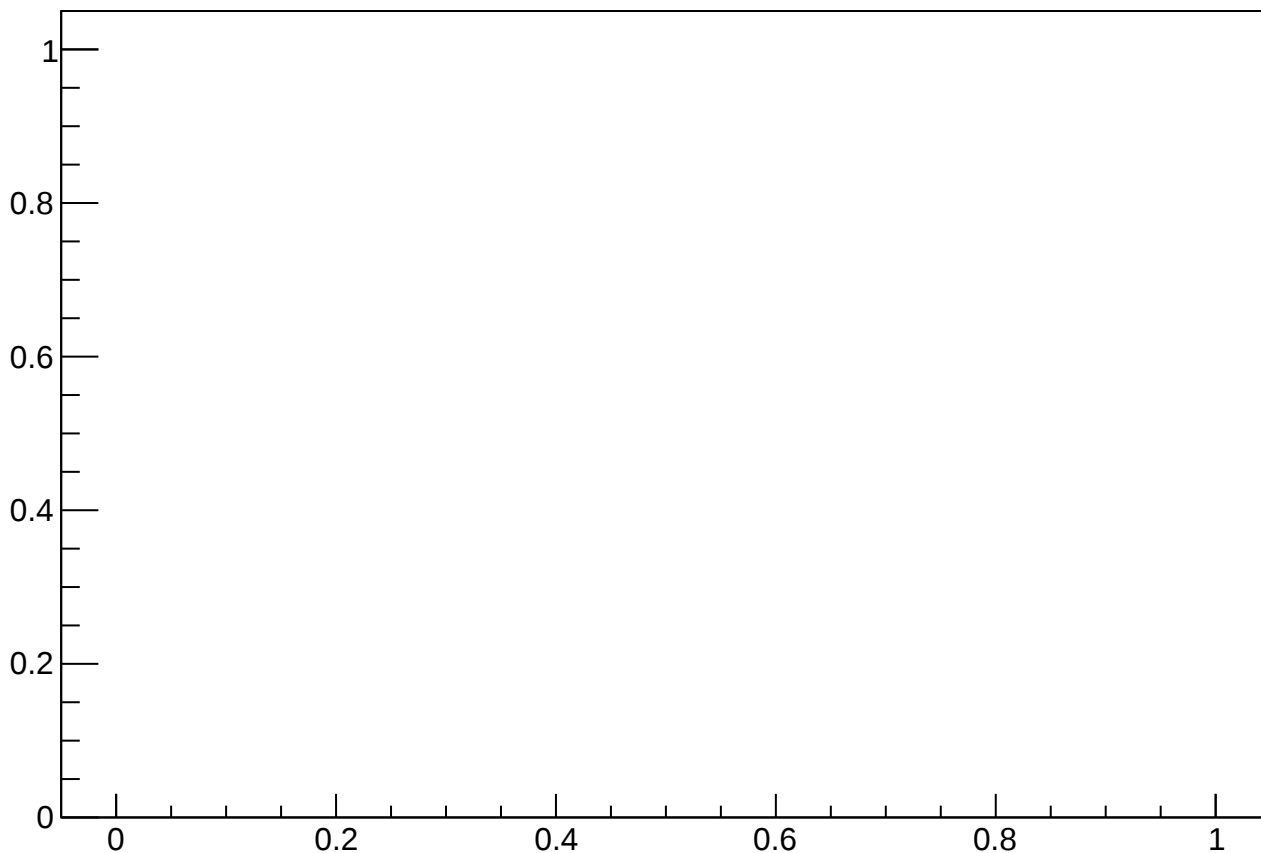
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

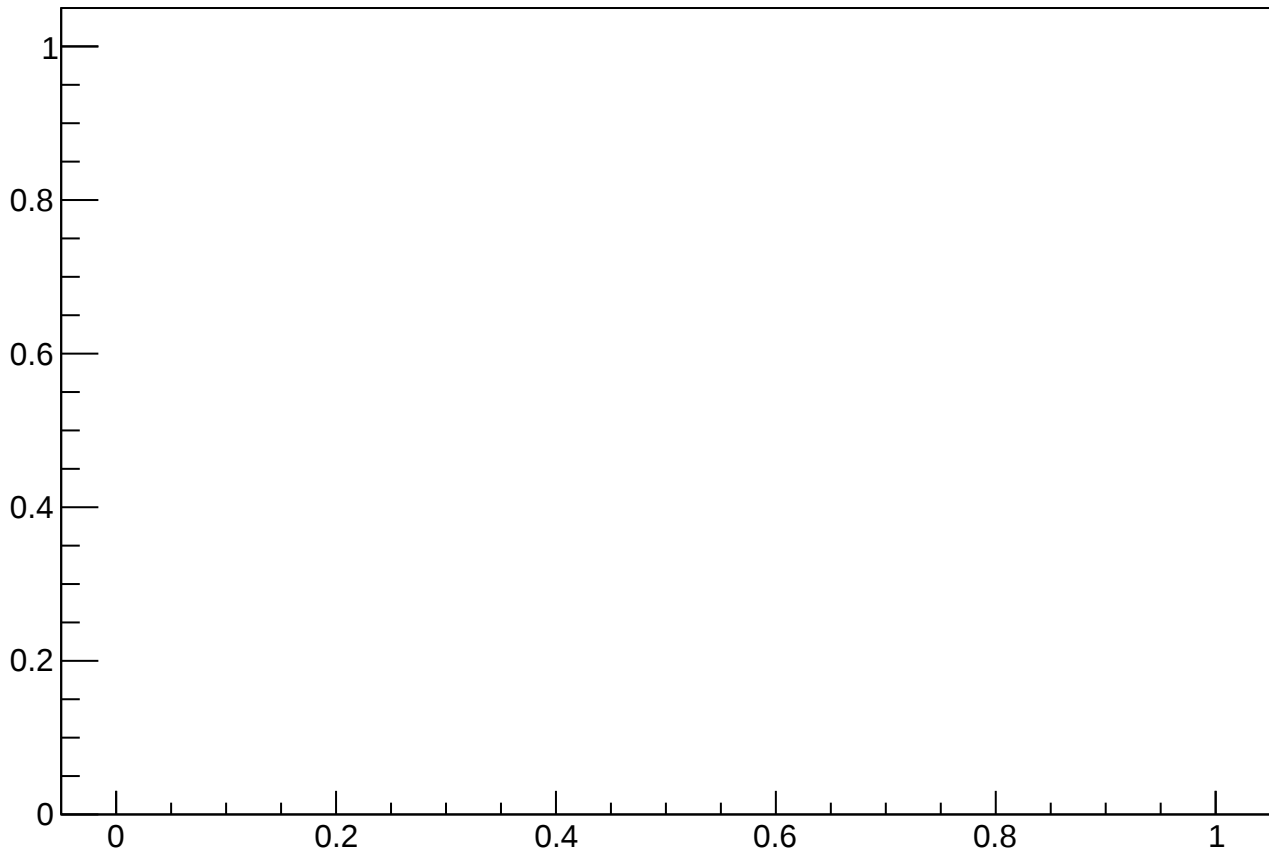
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

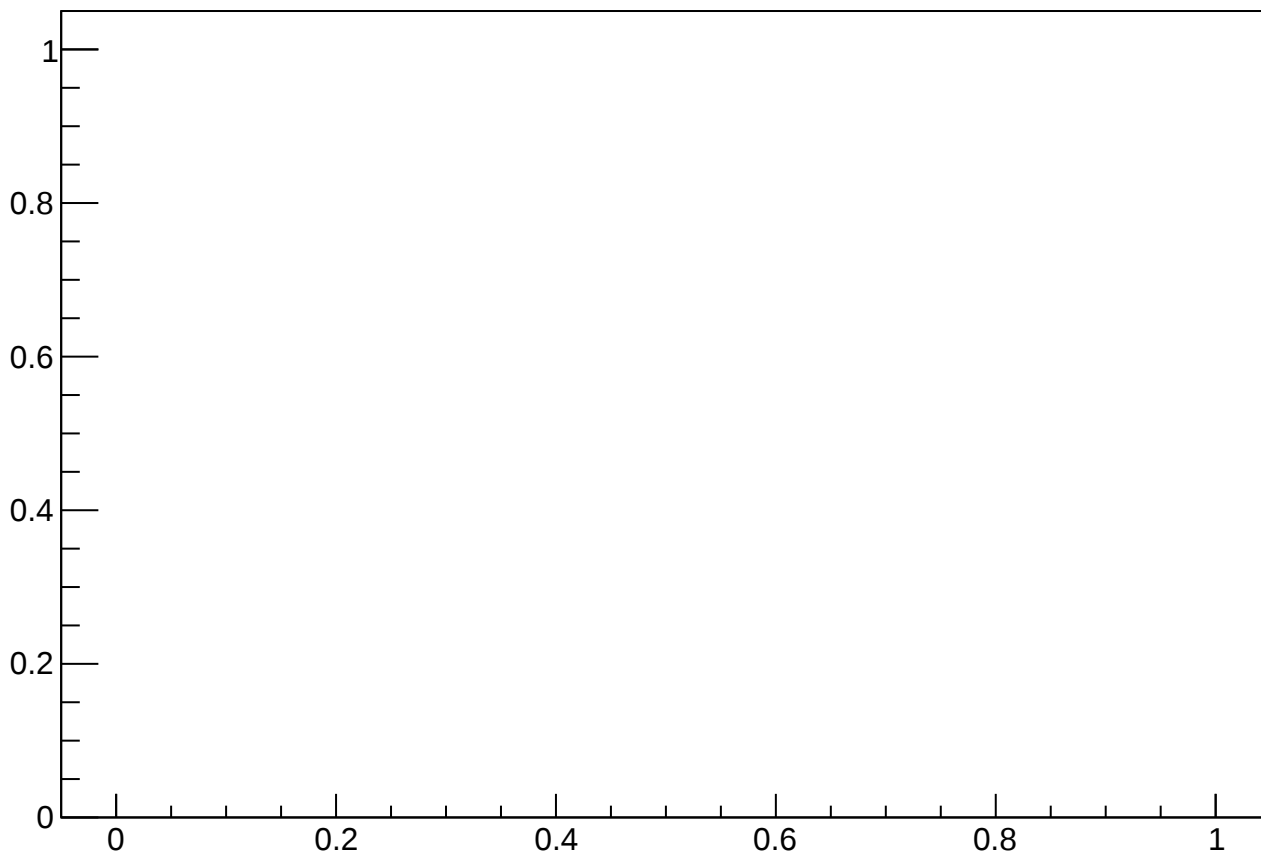
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

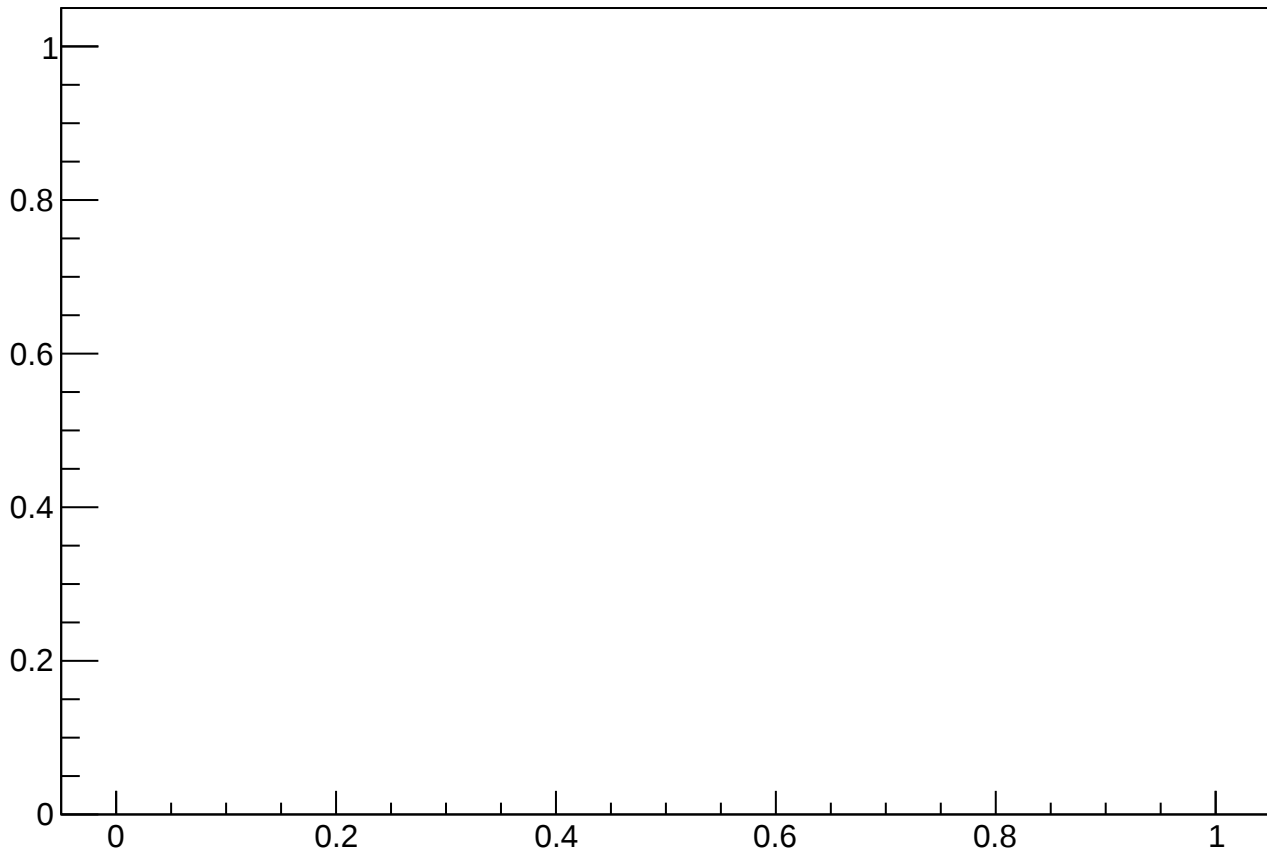
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

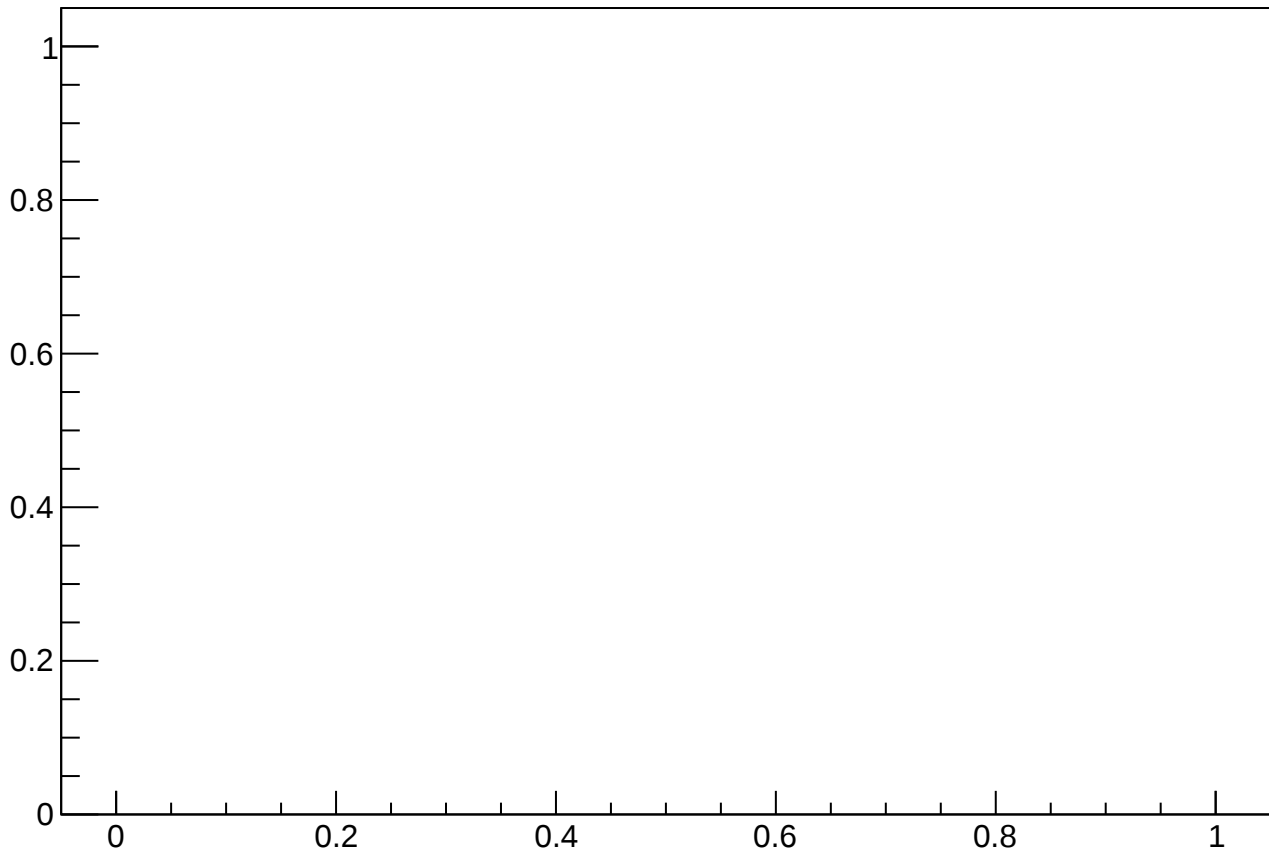
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

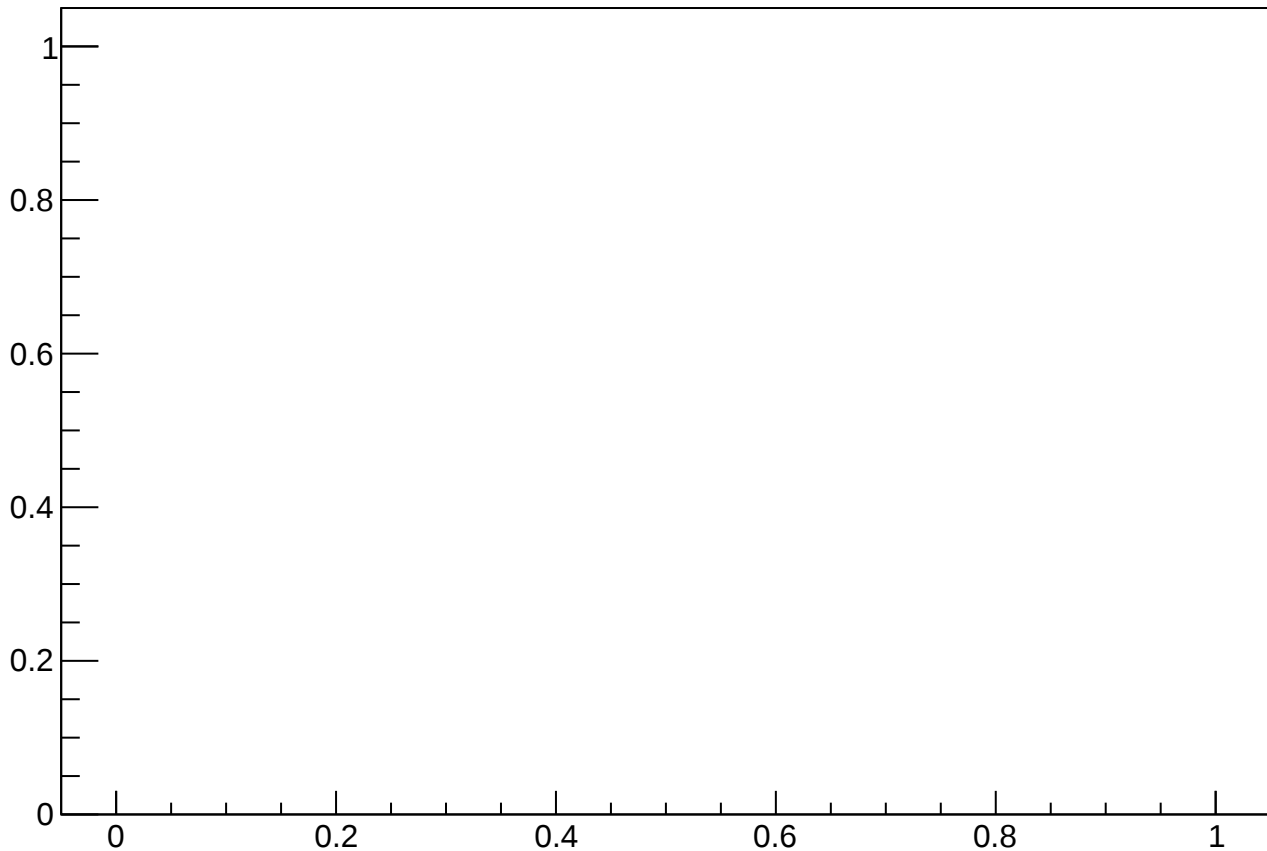
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

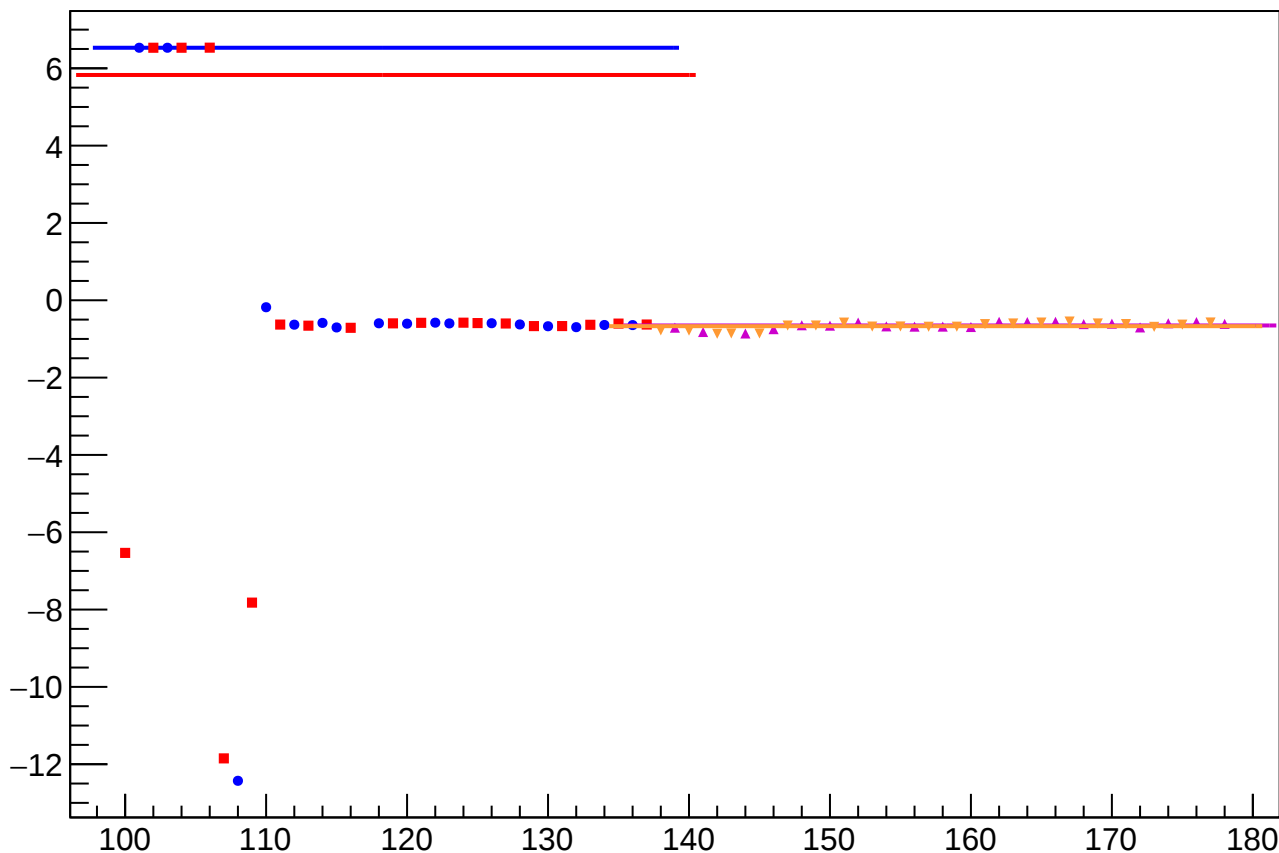
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: -0.670 $\pm$ 0.000 χ^2/NDF :139521568.9/20

Right Out: 5.827 $\pm$ 0.000 χ^2/NDF : 755963218053643.4/18

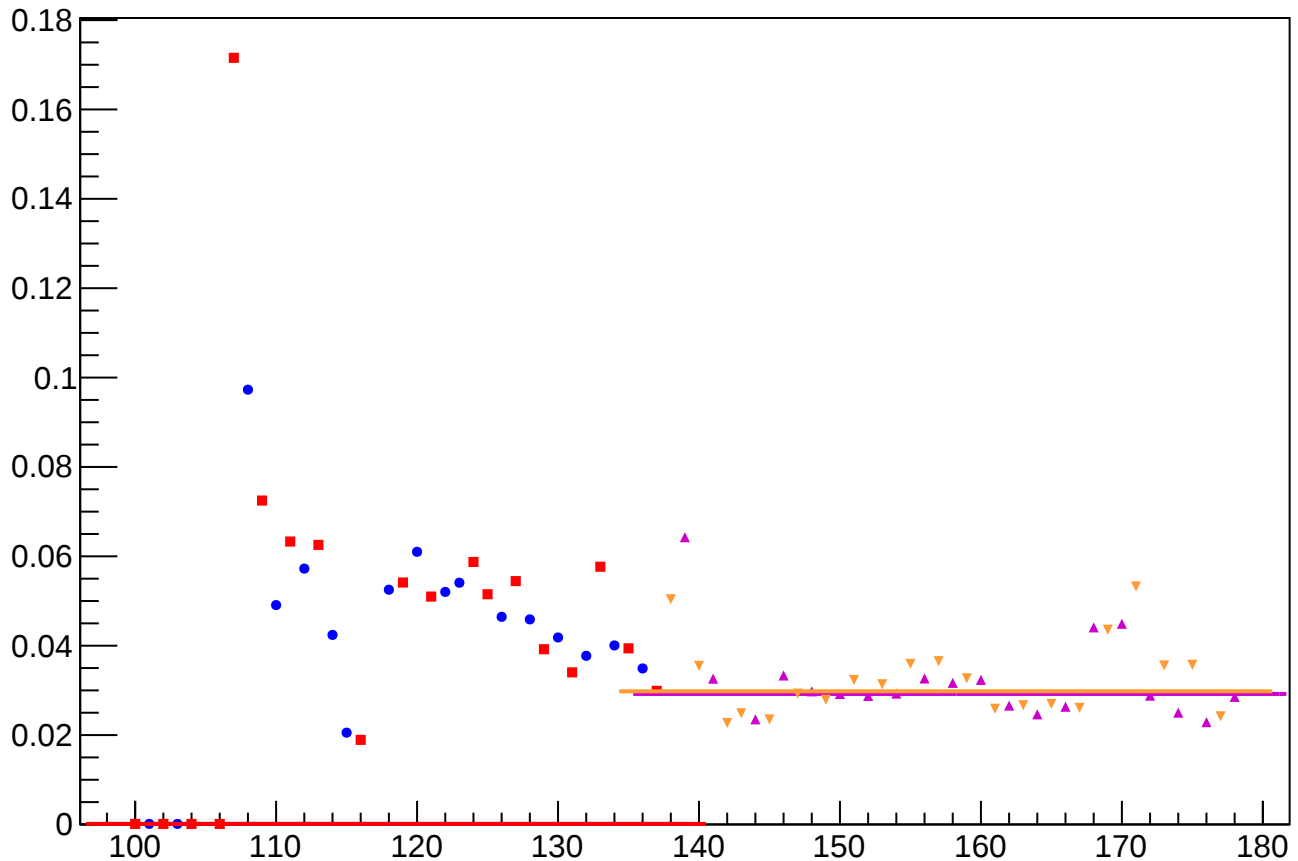
Left In: -0.652 $\pm$ 0.000 χ^2/NDF :113730141.9/19

+ sign 6.530 $\pm$ 0.000 χ^2/NDF : 849125334038.9/37

All: 6.154 $\pm$ 0.000 χ^2/NDF : 77740291786460

- sign 5.826 $\pm$ 0.000 χ^2/NDF : 756561275502739.0/18

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 :1135244.3/20

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

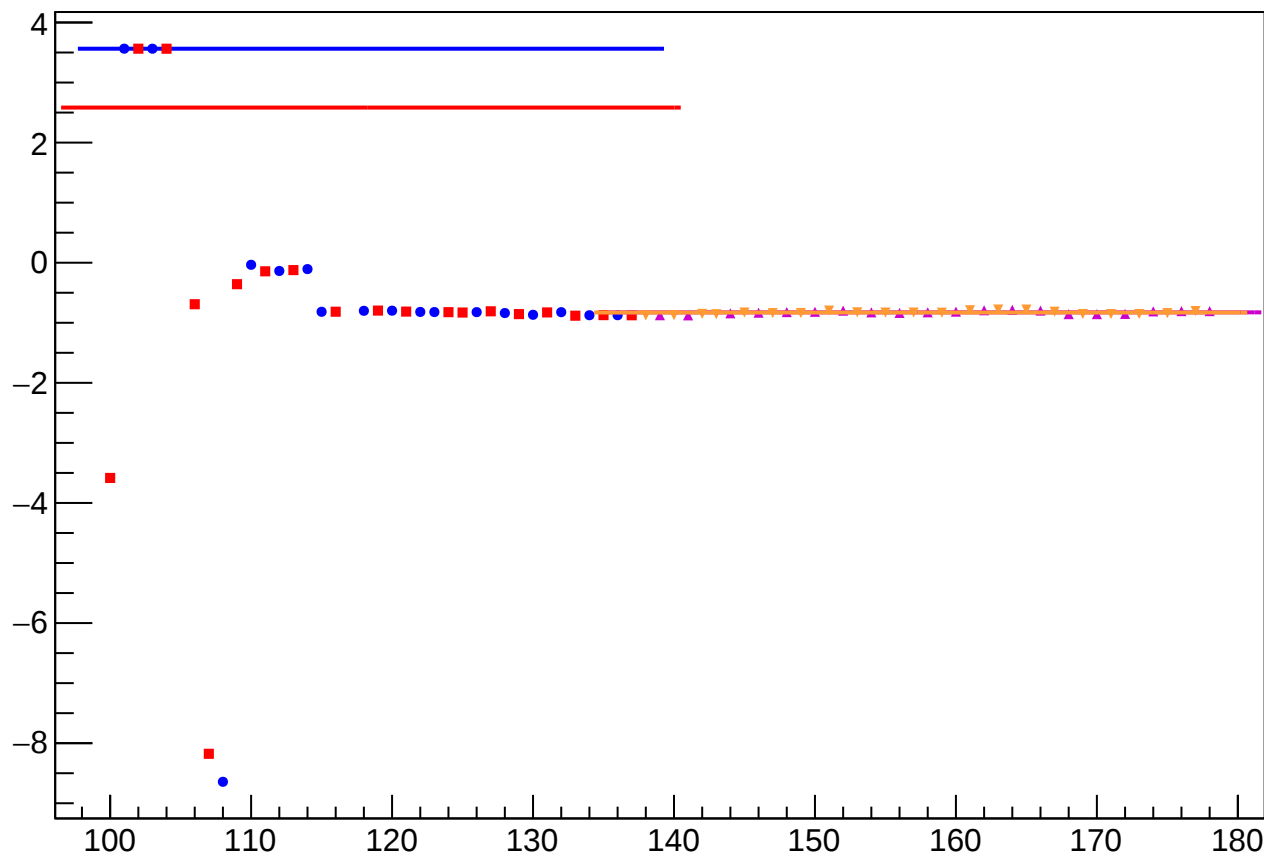
Left In: 0.029+/-0.000 χ^2/NDF :1059780.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 34526689.7/37

All: 0.000+/-0.000 χ^2/NDF : 69024355.1/76

- sign 0.000+/-0.000 χ^2/NDF : 34497180.4/38

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.829+/-0.000 χ^2/NDF : 155402423.8/20

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

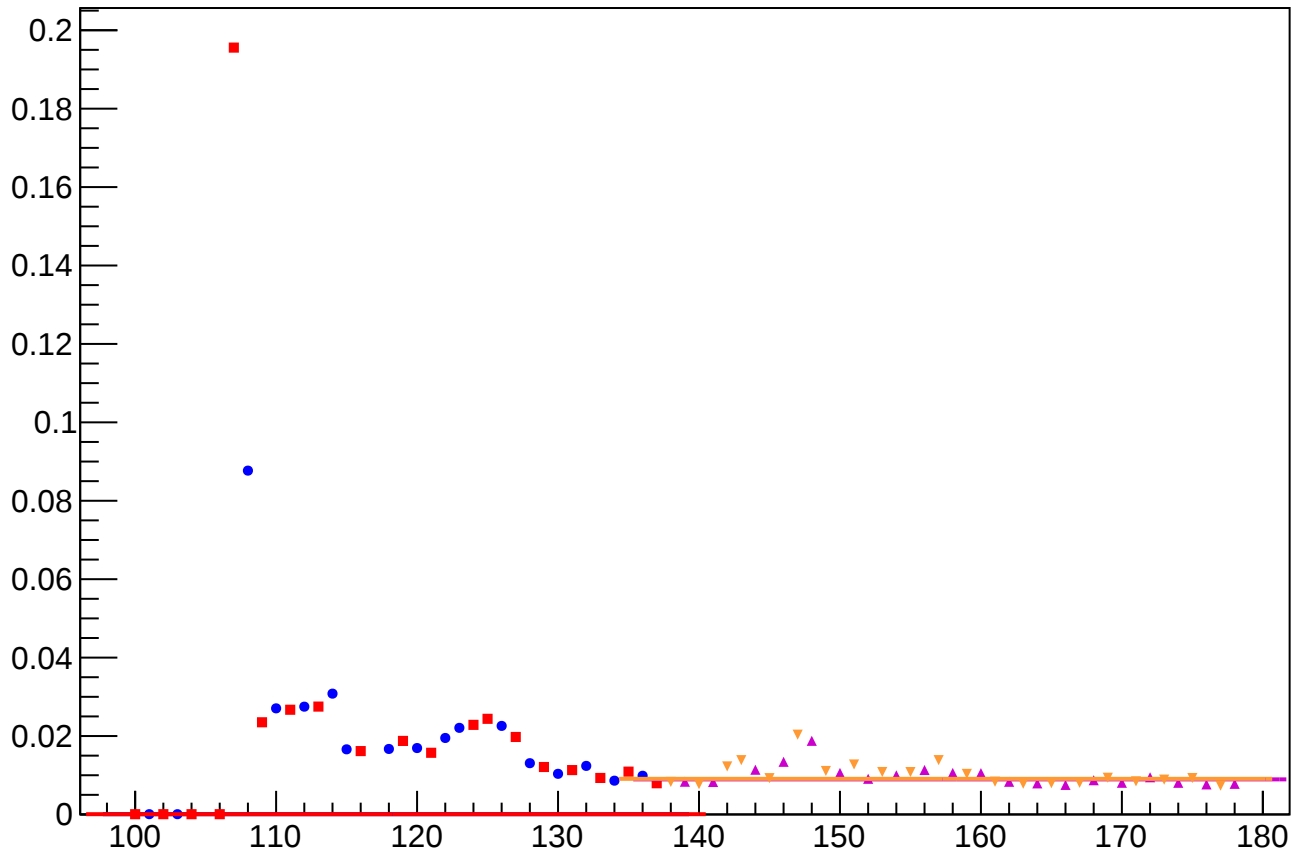
Left In: -0.826+/-0.000 χ^2/NDF : 137183404.6/19

+ sign 3.561+/-0.000 χ^2/NDF : 3520760616305.7/37

All: 3.038+/-0.000 χ^2/NDF : 13870145515303

- sign 2.581+/-0.000 χ^2/NDF : 1255369418139482.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :1173602.4/20

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

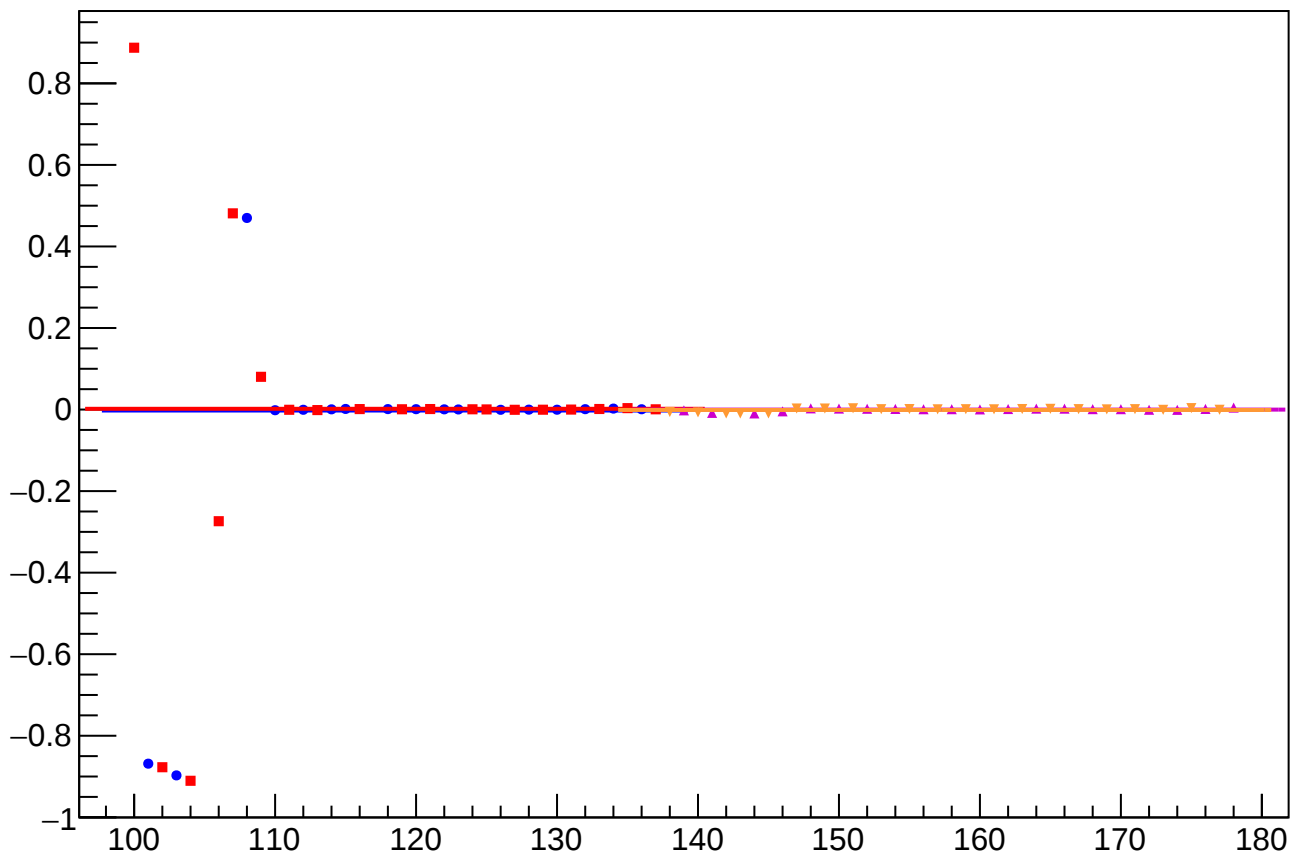
Left In: 0.009+/-0.000 χ^2/NDF :899219.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 36512981.0/37

All: 0.000+/-0.000 χ^2/NDF : 72592948.4/76

- sign 0.000+/-0.000 χ^2/NDF : 36079185.3/38

yield_cav4cX_mean vs Slug



Right In: -0.002 $\pm$ 0.000 χ^2 /NDF: 9794863405.3/16

Left Out: -0.001 $\pm$ 0.000 χ^2 /NDF: 101989359.7/20

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3041319824.4/18

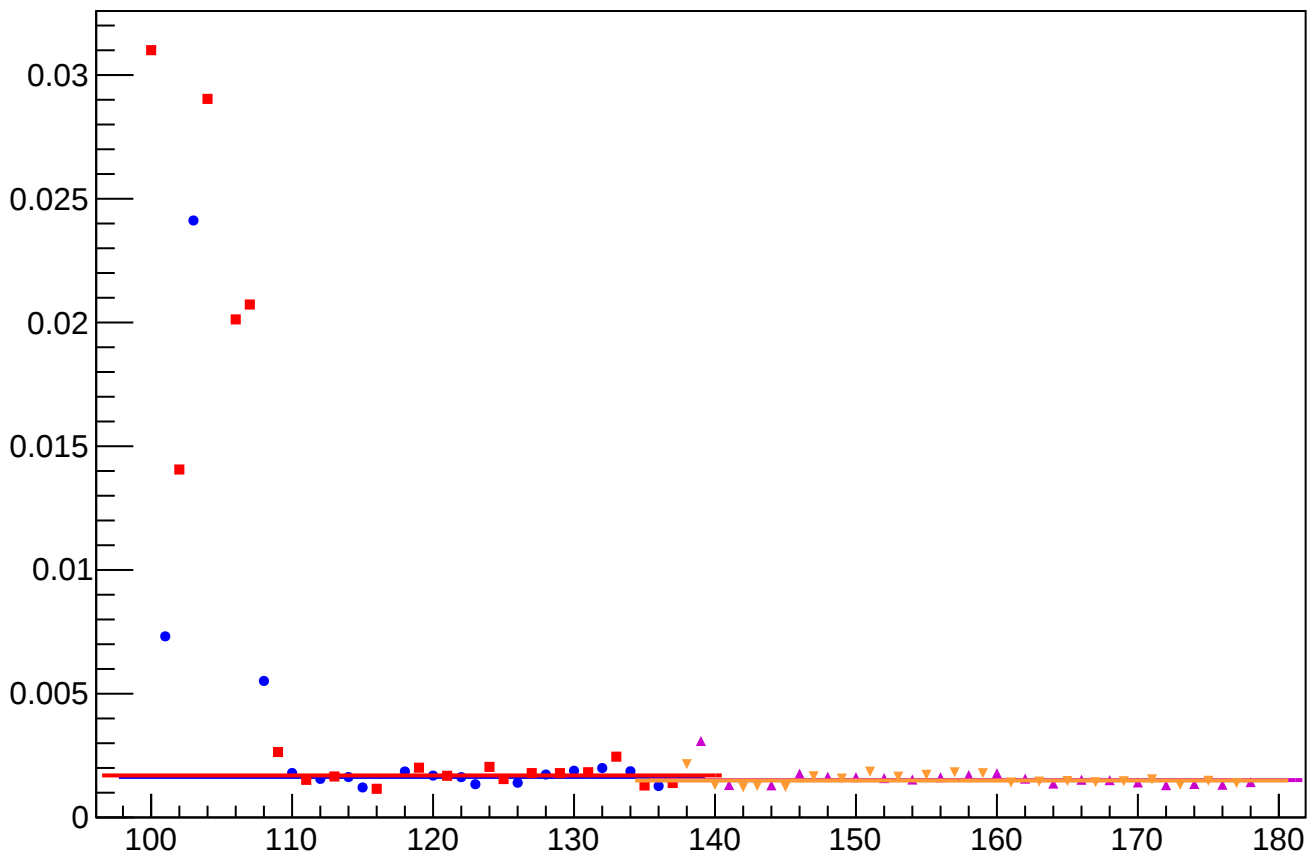
Left In: -0.000 $\pm$ 0.000 χ^2 /NDF: 77038889.8/19

+ sign -0.001 $\pm$ 0.000 χ^2 /NDF: 9899199656.7/37

All: -0.001 $\pm$ 0.000 χ^2 /NDF: 13031630095.7/78

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3123120828.9/38

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 463700.4/20

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

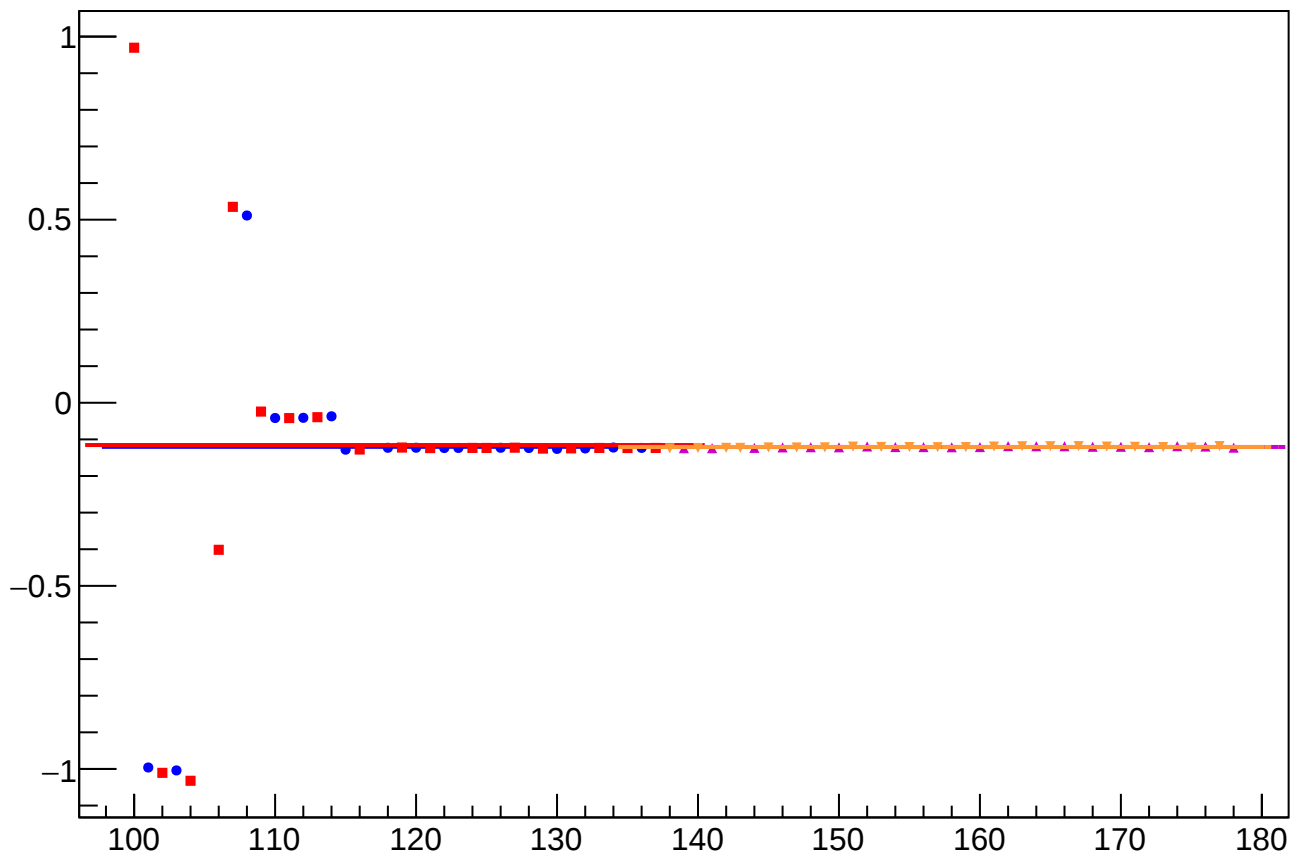
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 633768.0/19

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2433714.6/37

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6181185.6/76

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3743207.9/38

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.121+/-0.000 χ^2/NDF : 41970369.6/20

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

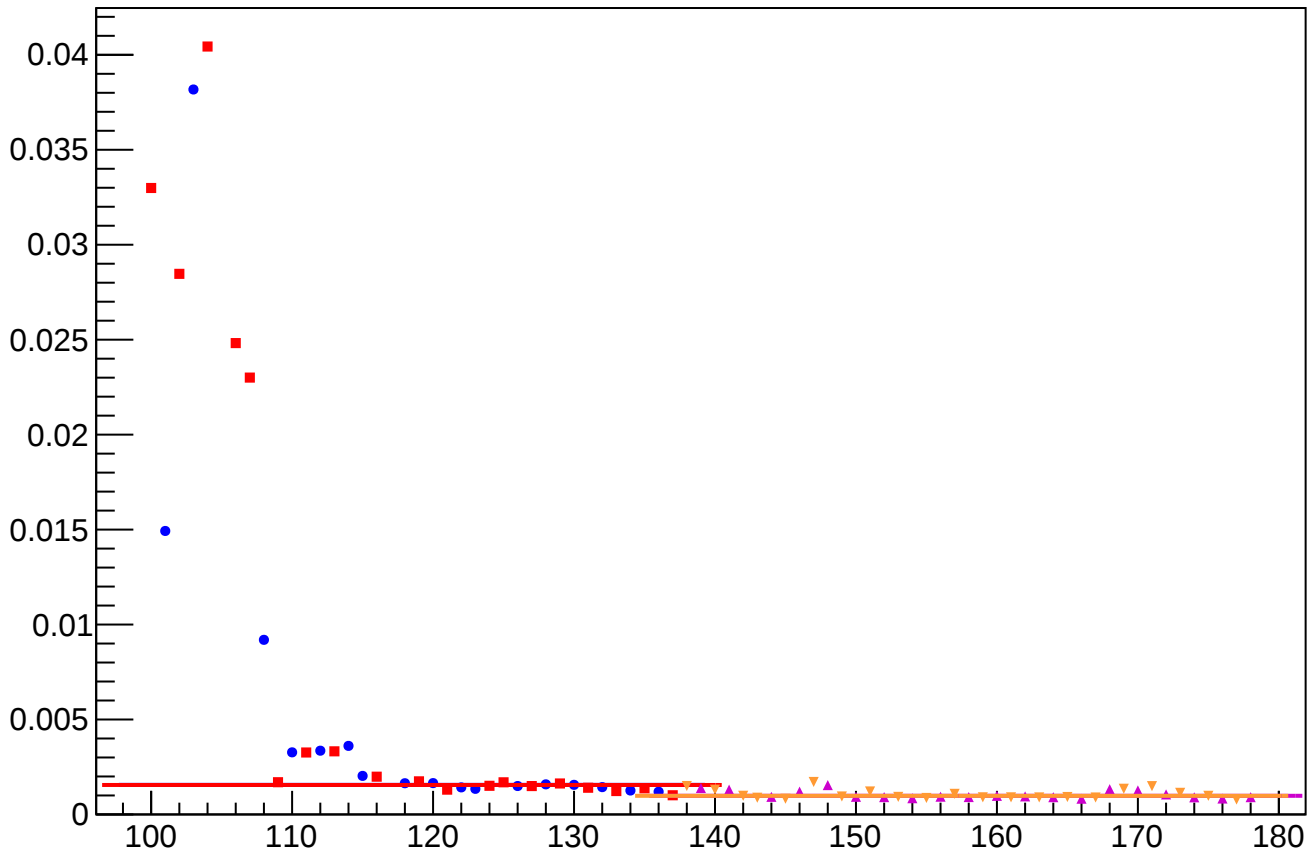
Left In: -0.121+/-0.000 χ^2/NDF : 38129448.7/19

+ sign -0.121+/-0.000 χ^2/NDF : 3974363958.3/37

All: -0.120+/-0.000 χ^2/NDF : 6519015912.1/7

- sign -0.120+/-0.000 χ^2/NDF : 2542165516.6/38

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1137606.2/20

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

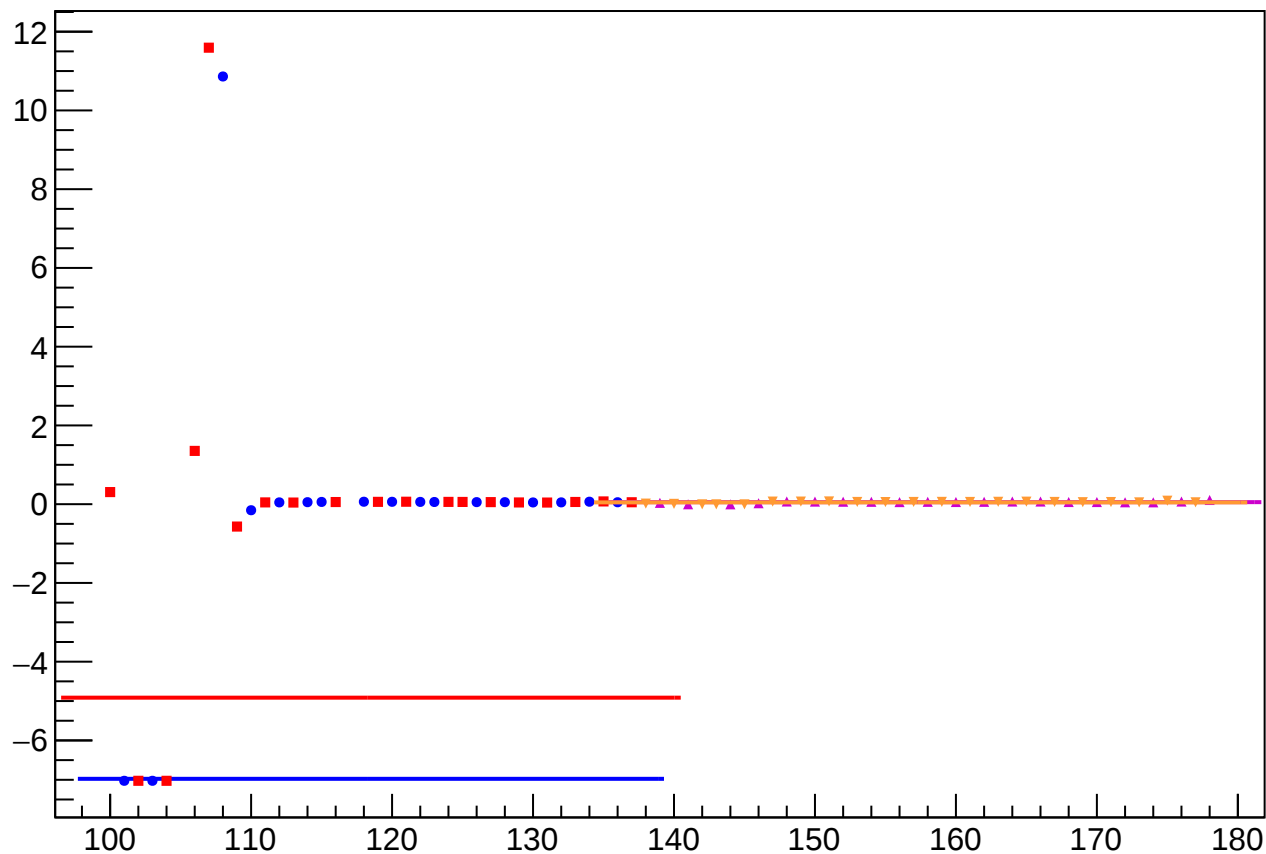
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:809520.7/19

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5145496.7/37

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10584981.3/76

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5439446.9/38

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.046+/-0.000 χ^2/NDF :112680970.8/20

Right Out: -4.914+/-0.000 χ^2/NDF : 365358092730279.9/18

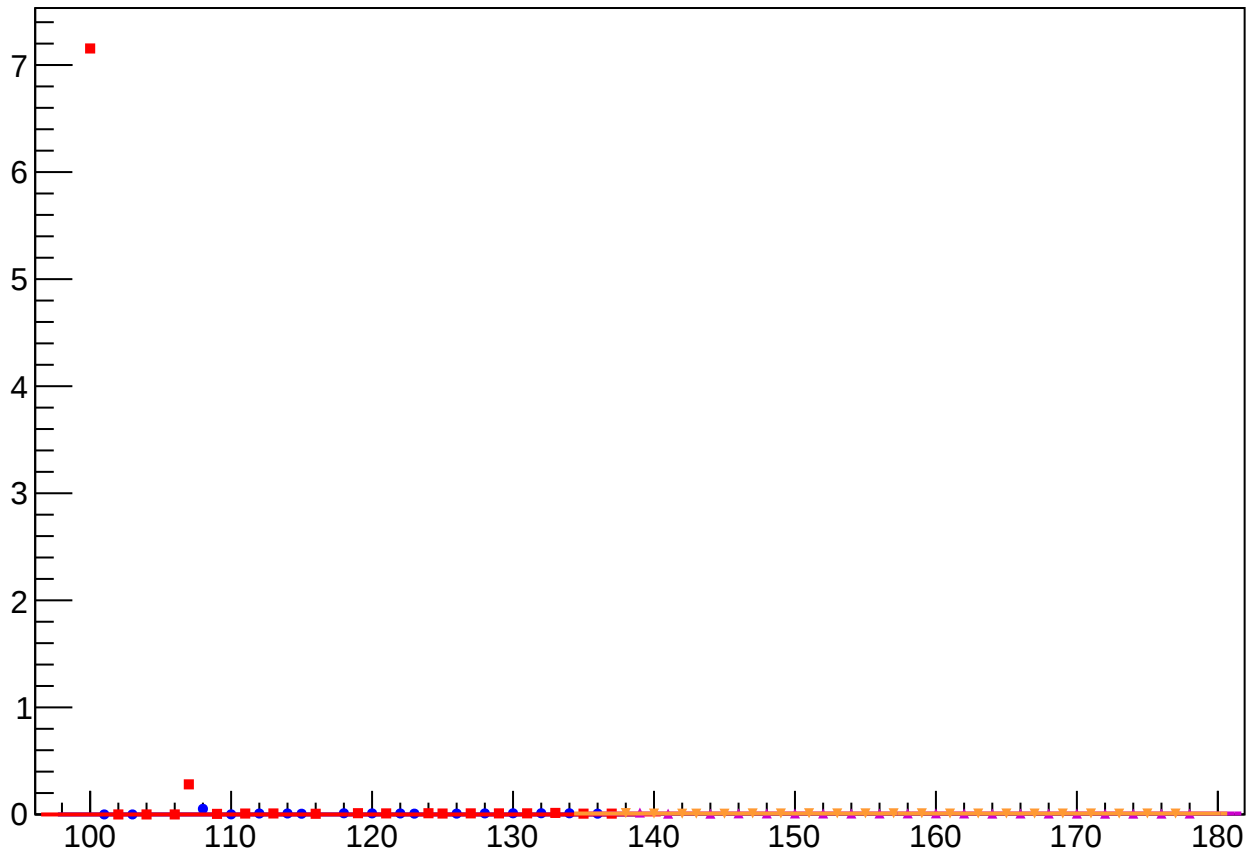
Left In: 0.052+/-0.000 χ^2/NDF :106287376.5/19

+ sign -6.930+/-0.000 χ^2/NDF : 16770353159798.2/16

All: -5.864+/-0.000 χ^2/NDF : 4416037709344.0/16

- sign -4.886+/-0.000 χ^2/NDF : 369217113246058.5/16

yield_cav4dX_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8242728.7/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:461519.4/20

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8775982.6/18

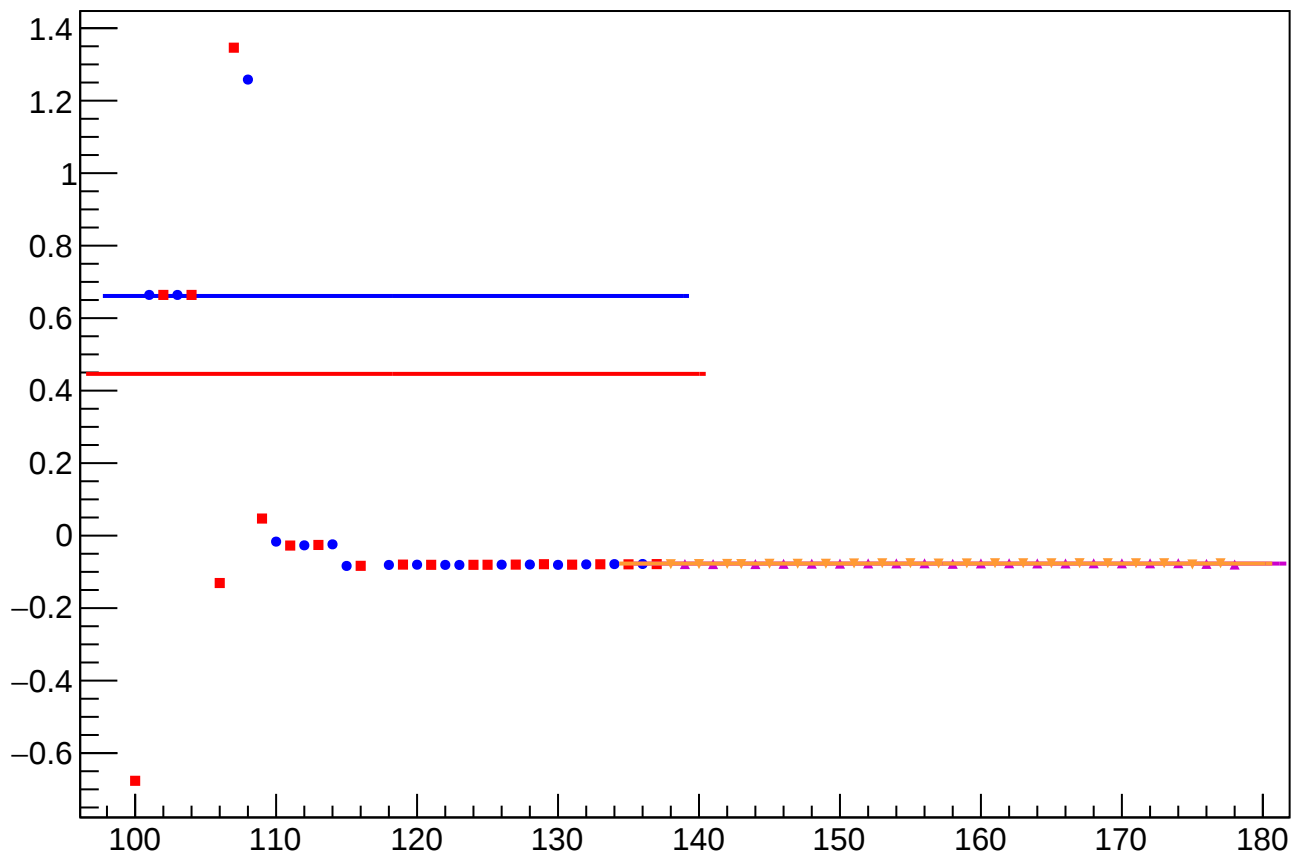
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:625815.9/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 32992950.2/37

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 66359962.9/76

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 33364751.9/38

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 : 52437217.0/20

Right Out: 0.446+/-0.000 χ^2/NDF : 405416924315199.0/18

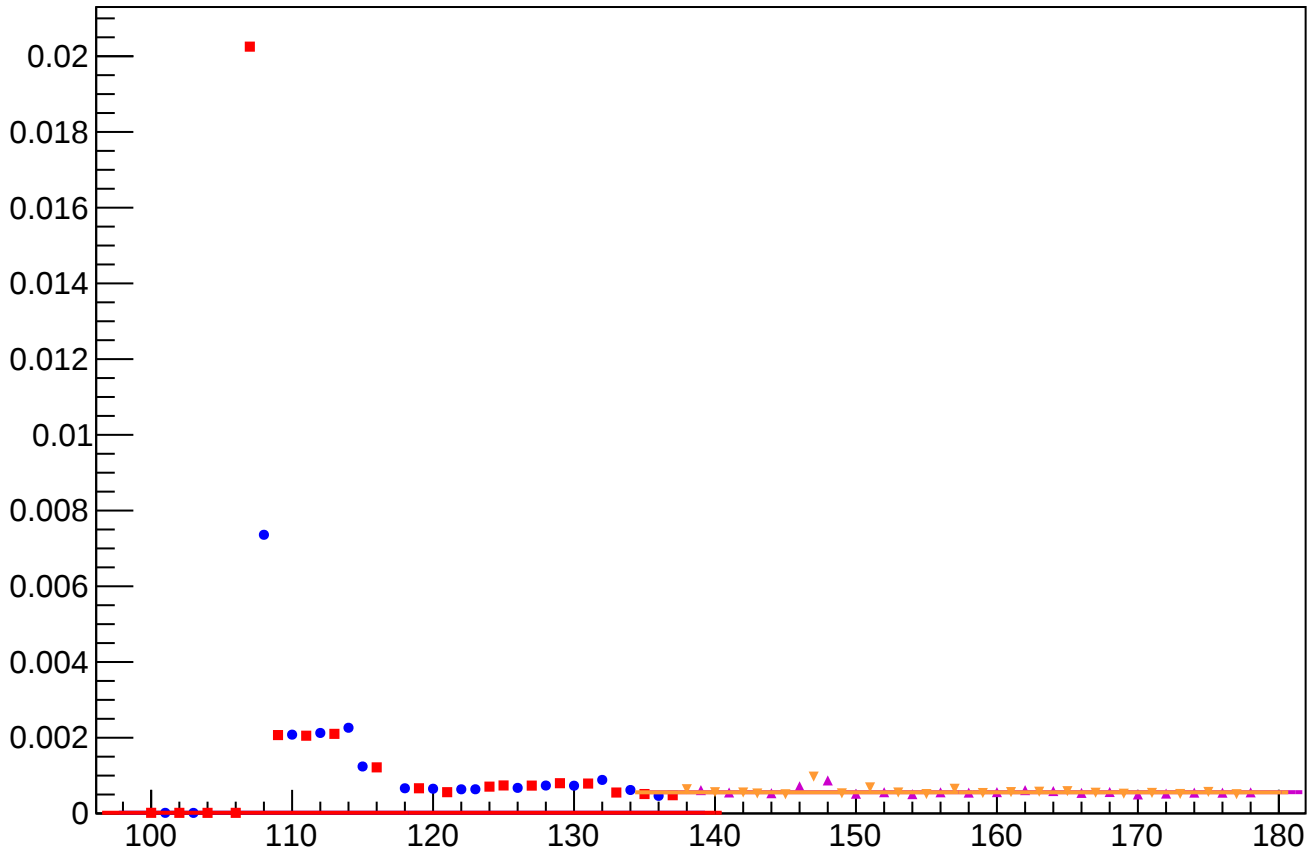
Left In: -0.077+/-0.000 χ^2/NDF : 46652982.2/19

+ sign 0.648+/-0.000 χ^2/NDF : 31438260095152.3/3

All: 0.538+/-0.000 χ^2/NDF : 51065786604440

- sign 0.438+/-0.000 χ^2/NDF : 418097587330279.7/

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 : 455561.2/20

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

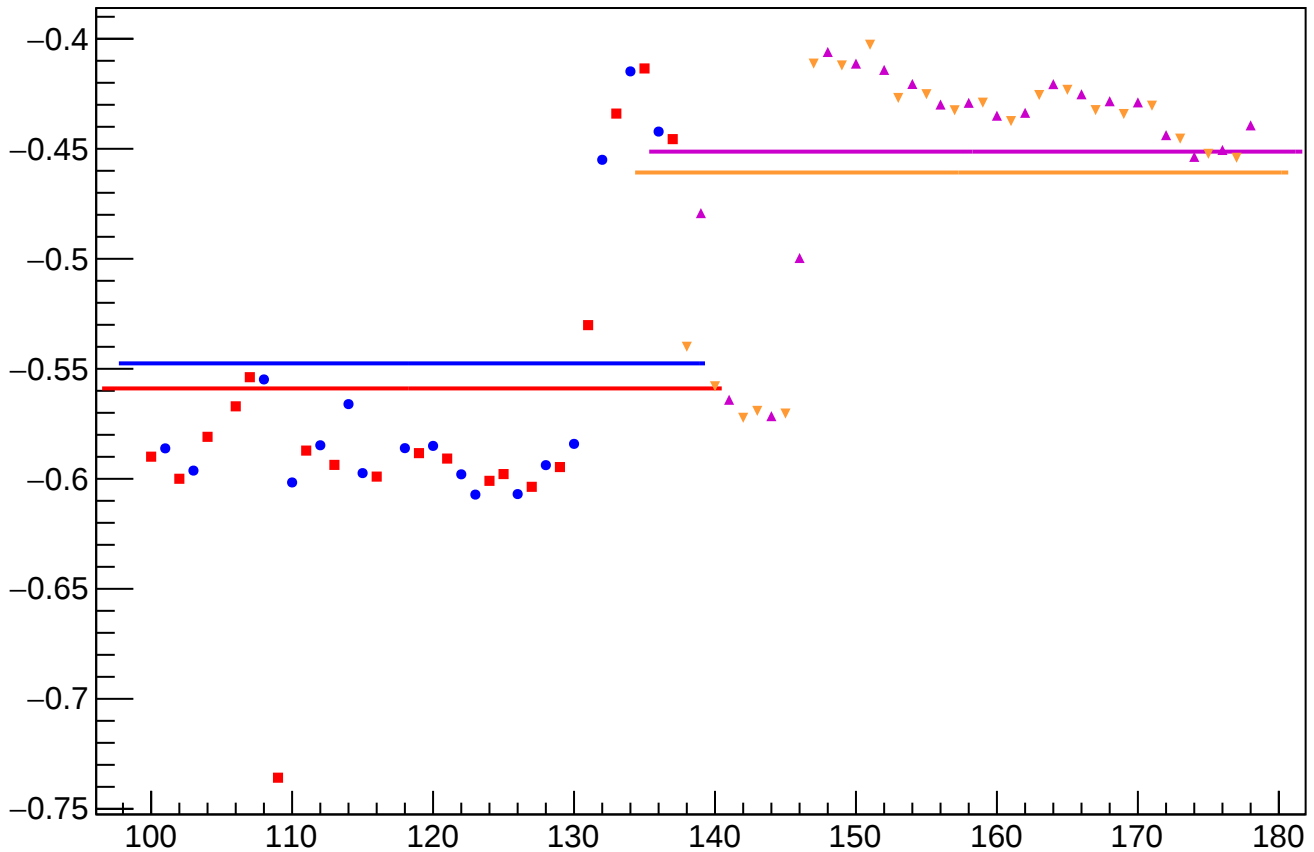
Left In: 0.001+/-0.000 χ^2/NDF : 353294.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 37984802.0/37

All: 0.000+/-0.000 χ^2/NDF : 75189691.5/76

- sign 0.000+/-0.000 χ^2/NDF : 37201806.1/38

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.461+/-0.000 χ^2/NDF : 106785986.3/20

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

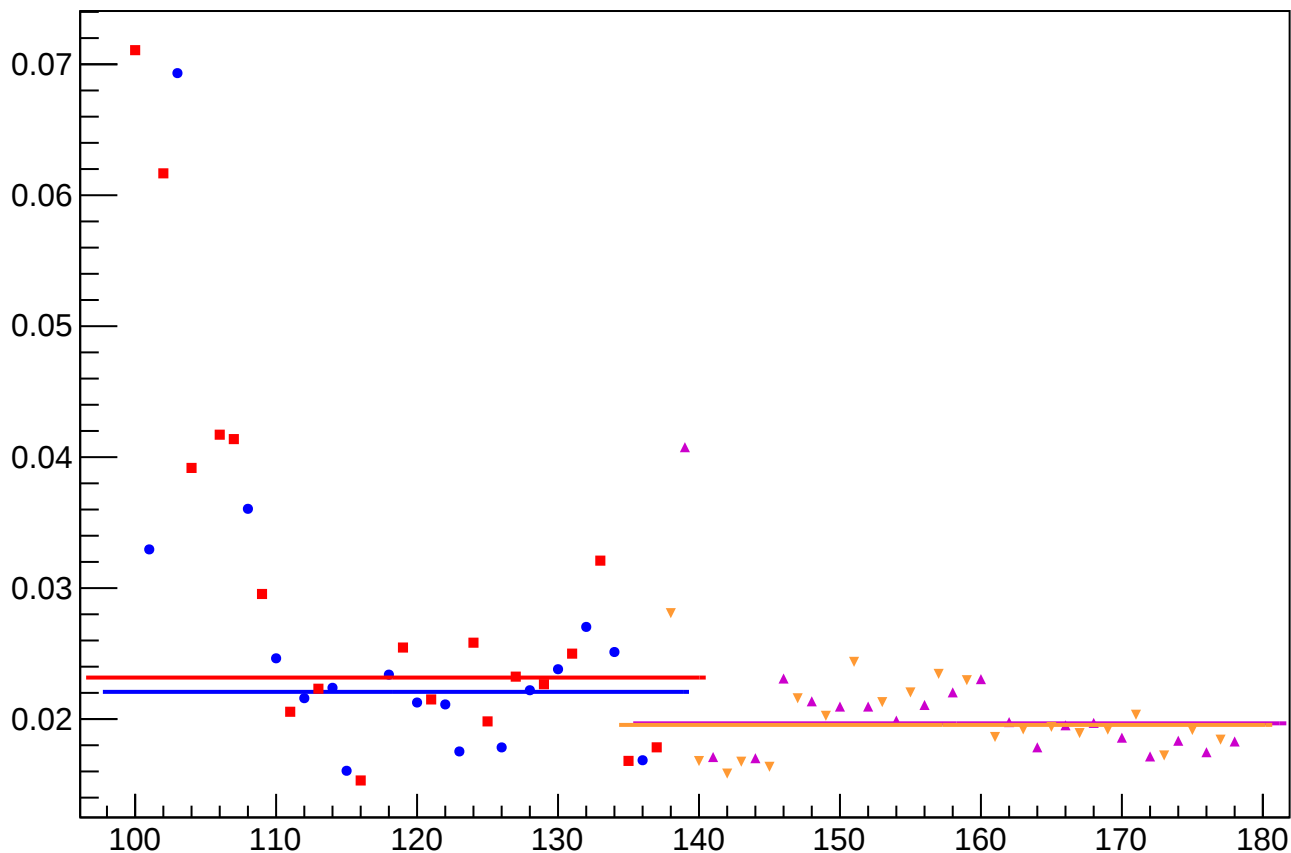
Left In: -0.451+/-0.000 χ^2/NDF : 75554664.4/19

+ sign -0.481+/-0.000 χ^2/NDF : 214706729.6/37

All: -0.479+/-0.000 χ^2/NDF : 443916149.6/76

- sign -0.477+/-0.000 χ^2/NDF : 228714224.4/38

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 430051.4/20

Right Out: 0.023+/-0.000 χ^2/NDF : 1156758.3/18

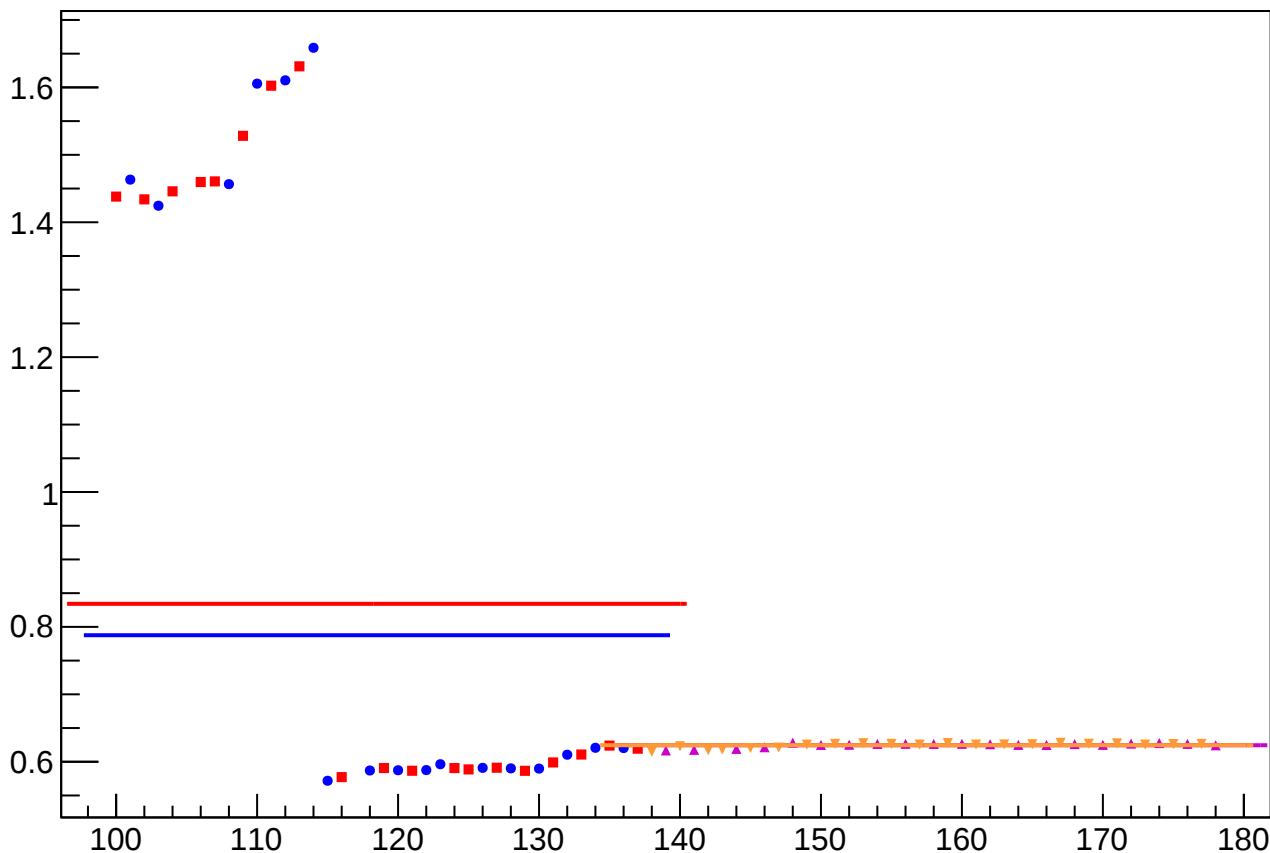
Left In: 0.020+/-0.000 χ^2/NDF : 612970.7/19

+ sign 0.020+/-0.000 χ^2/NDF : 1485274.9/37

All: 0.020+/-0.000 χ^2/NDF : 3445245.9/76

- sign 0.020+/-0.000 χ^2/NDF : 1954974.9/38

yield_bpm4aY_mean vs Slug



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.625+/-0.000 χ^2/NDF :1281329.9/20

Right Out: 0.834+/-0.000 χ^2/NDF : 4152115639.4/18

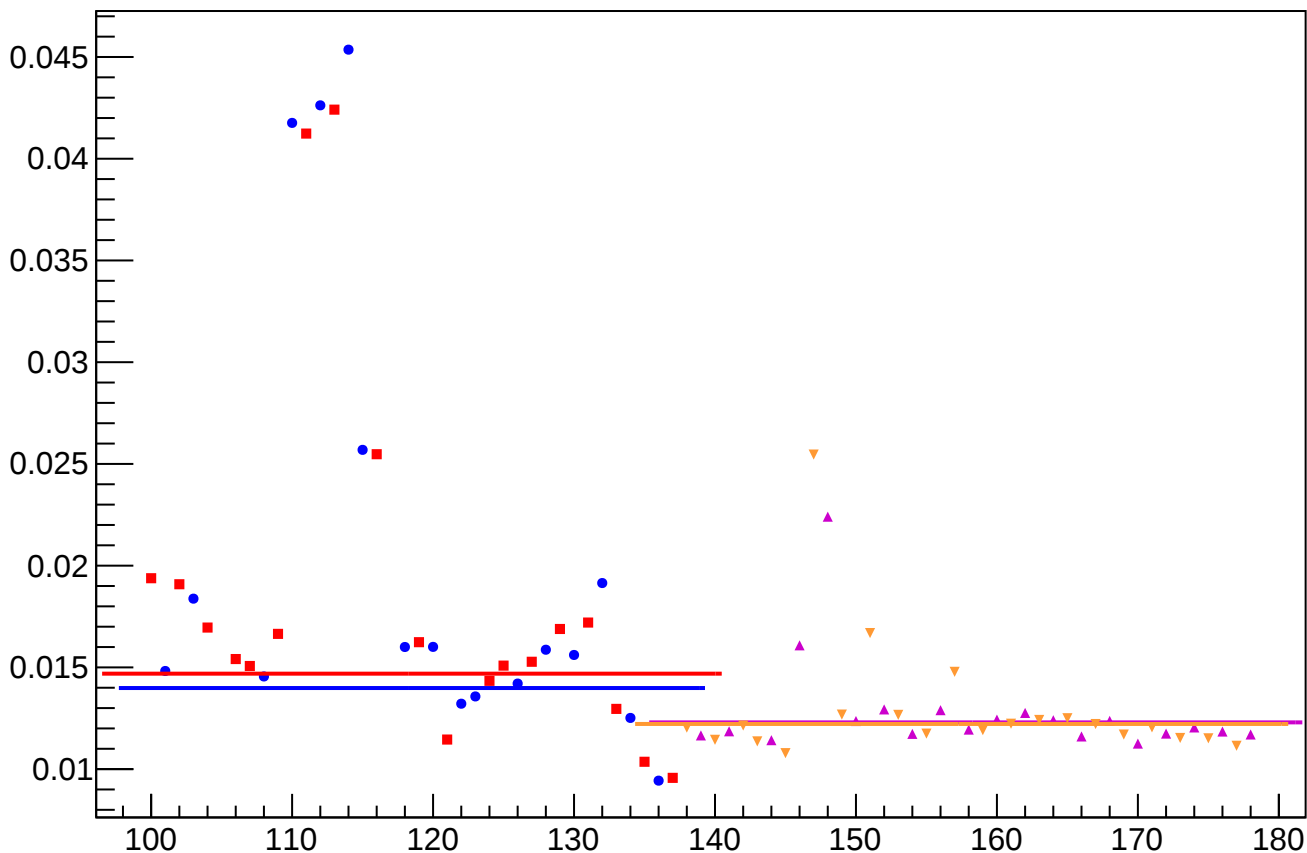
Left In: 0.624+/-0.000 χ^2/NDF :1049799.3/19

+ sign 0.661+/-0.000 χ^2/NDF : 4177504664.6/37

All: 0.666+/-0.000 χ^2/NDF : 9292011679.8/76

- sign 0.671+/-0.000 χ^2/NDF : 5108205002.6/38

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:627703.3/20

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1258511.3/18

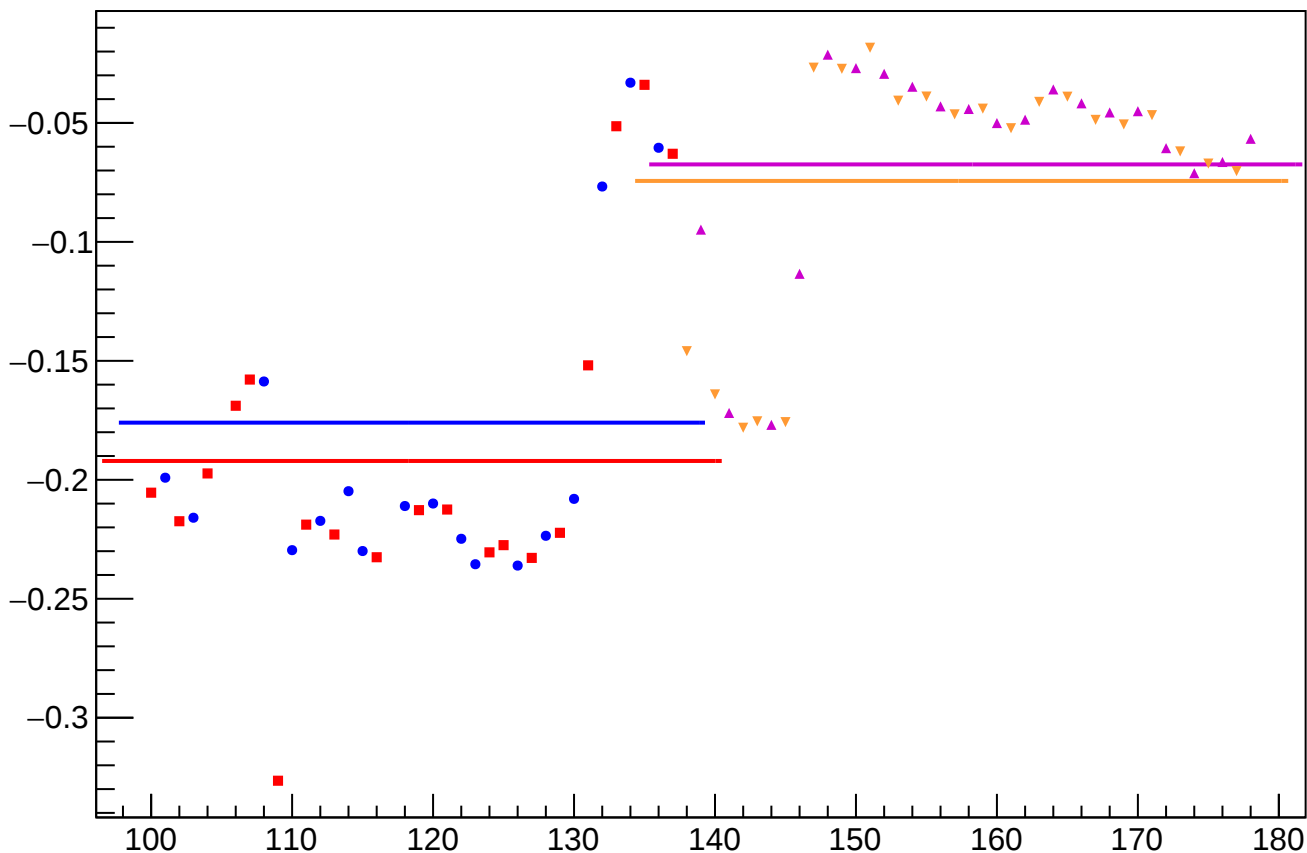
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:448293.5/19

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2165741.5/37

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4127330.4/76

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1955763.4/38

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2 /NDF: 70121069.1/16

Left Out: -0.074+/-0.000 χ^2 /NDF:101535295.4/20

Right Out: -0.192+/-0.000 χ^2 /NDF: 83253954.4/18

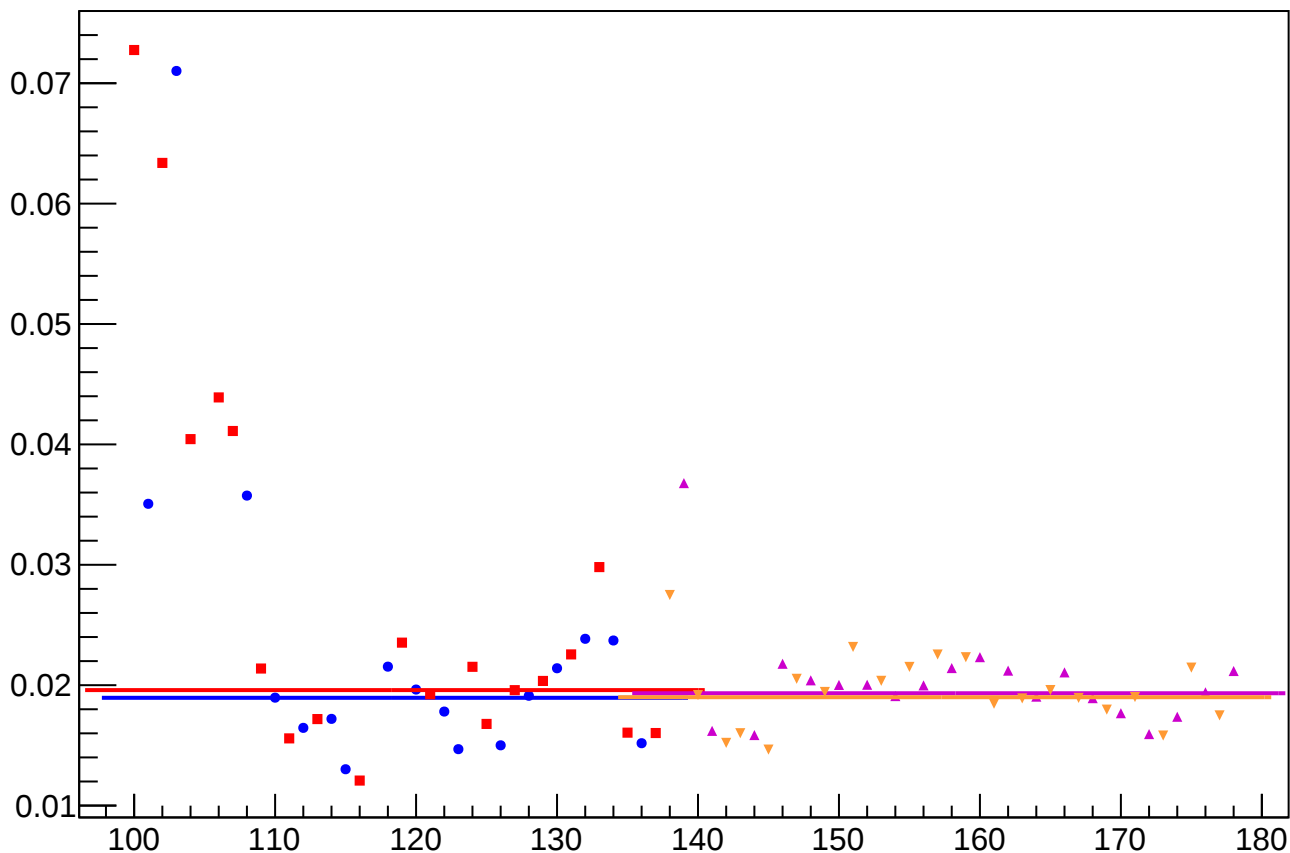
Left In: -0.067+/-0.000 χ^2 /NDF:75828546.4/19

+ sign -0.103+/-0.000 χ^2 /NDF: 274145966.1/37

All: -0.103+/-0.000 χ^2 /NDF: 583256160.0/76

- sign -0.103+/-0.000 χ^2 /NDF: 309109297.9/38

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 : 505391.5/20

Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 1455327.3/18

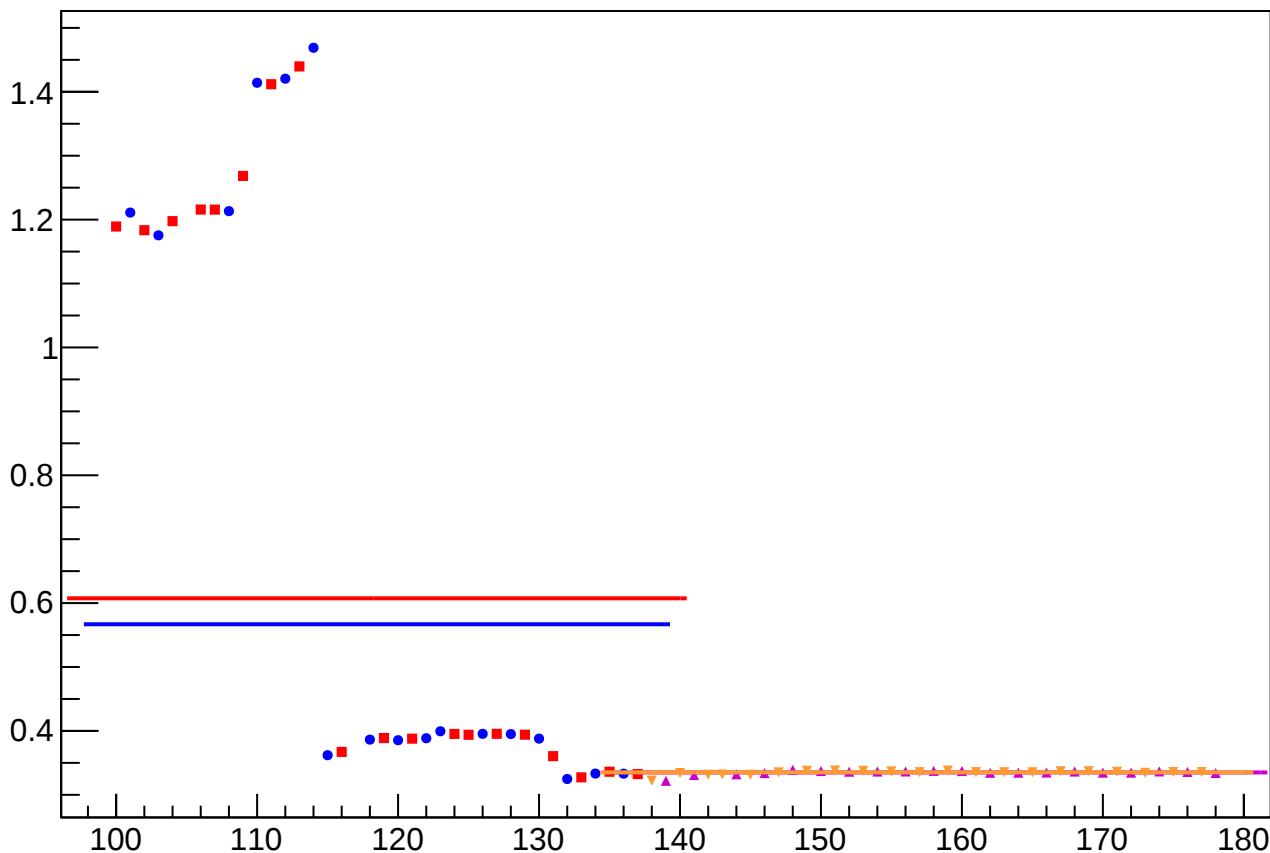
Left In: 0.019 $\pm$ 0.000 χ^2/NDF : 599362.6/19

+ sign 0.019 $\pm$ 0.000 χ^2/NDF : 1708712.9/37

All: 0.019 $\pm$ 0.000 χ^2/NDF : 3773187.1/76

- sign 0.019 $\pm$ 0.000 χ^2/NDF : 2056010.6/38

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1136853.0/20

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5505226431.3/18

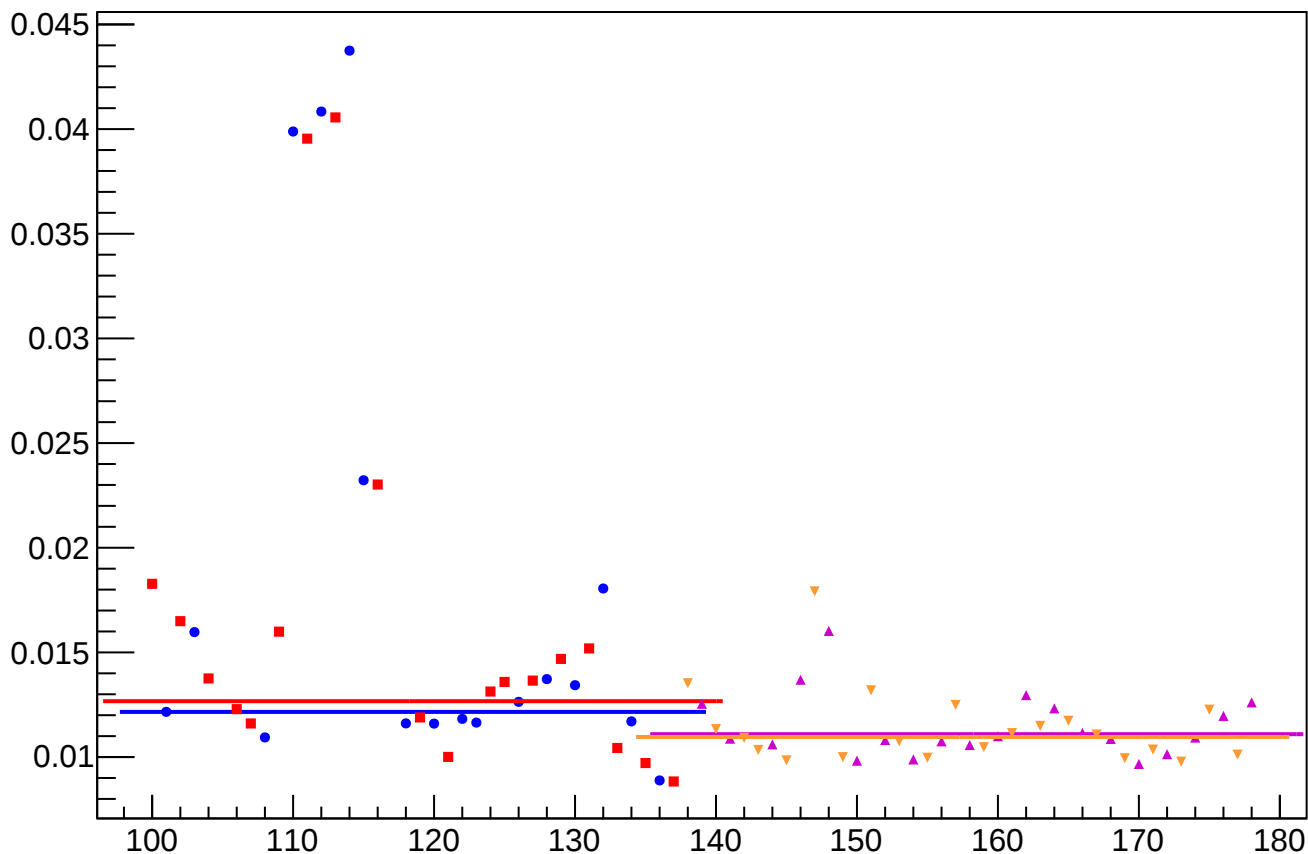
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1194726.1/19

+ sign 0.389 $\pm$ 0.000 χ^2 /NDF: 6580449419.0/37

All: 0.394 $\pm$ 0.000 χ^2 /NDF: 14180577523.7/77

- sign 0.399 $\pm$ 0.000 χ^2 /NDF: 7592692092.3/38

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: 479772.3/20

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

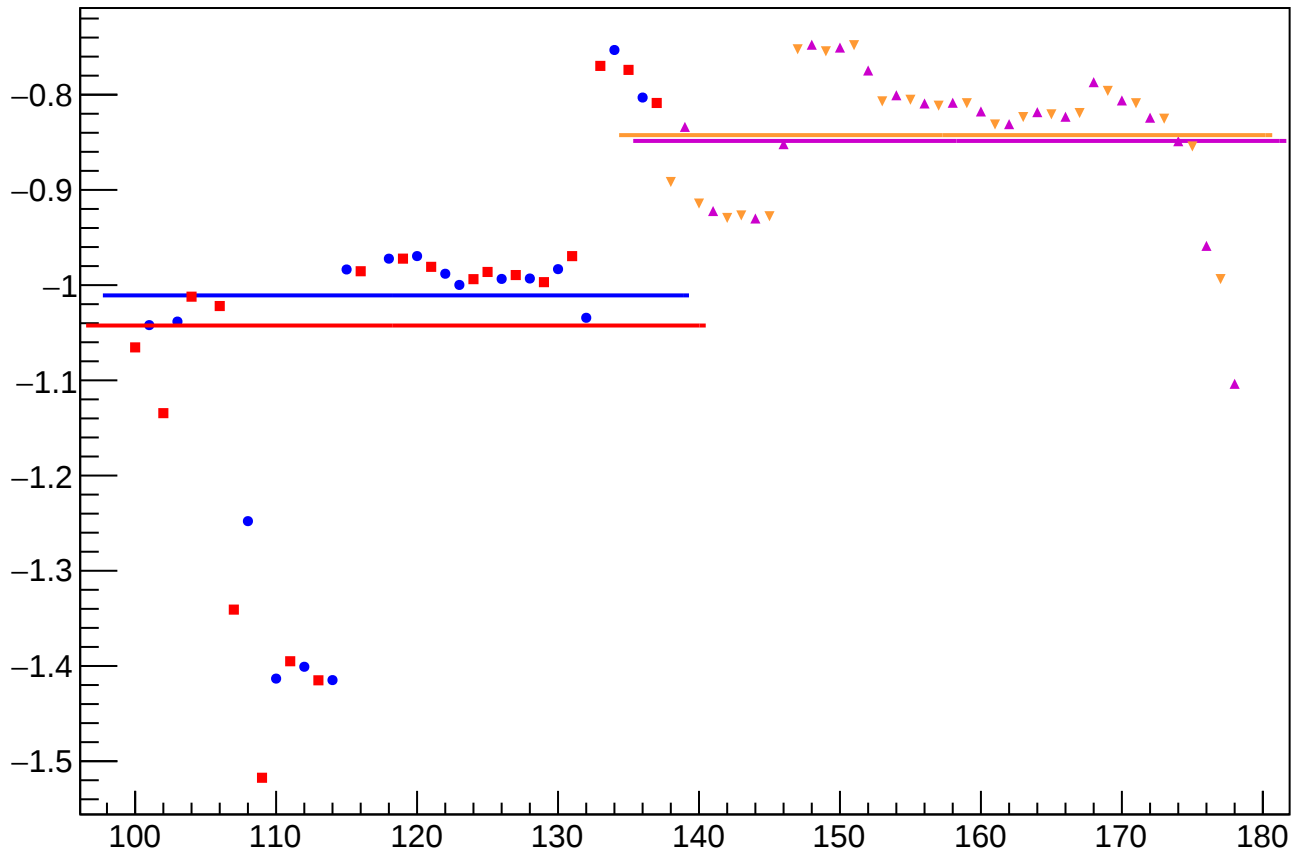
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 400104.7/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1871135.4/37

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3686047.6/76

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1806988.5/38

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 : 144020908.0/20

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

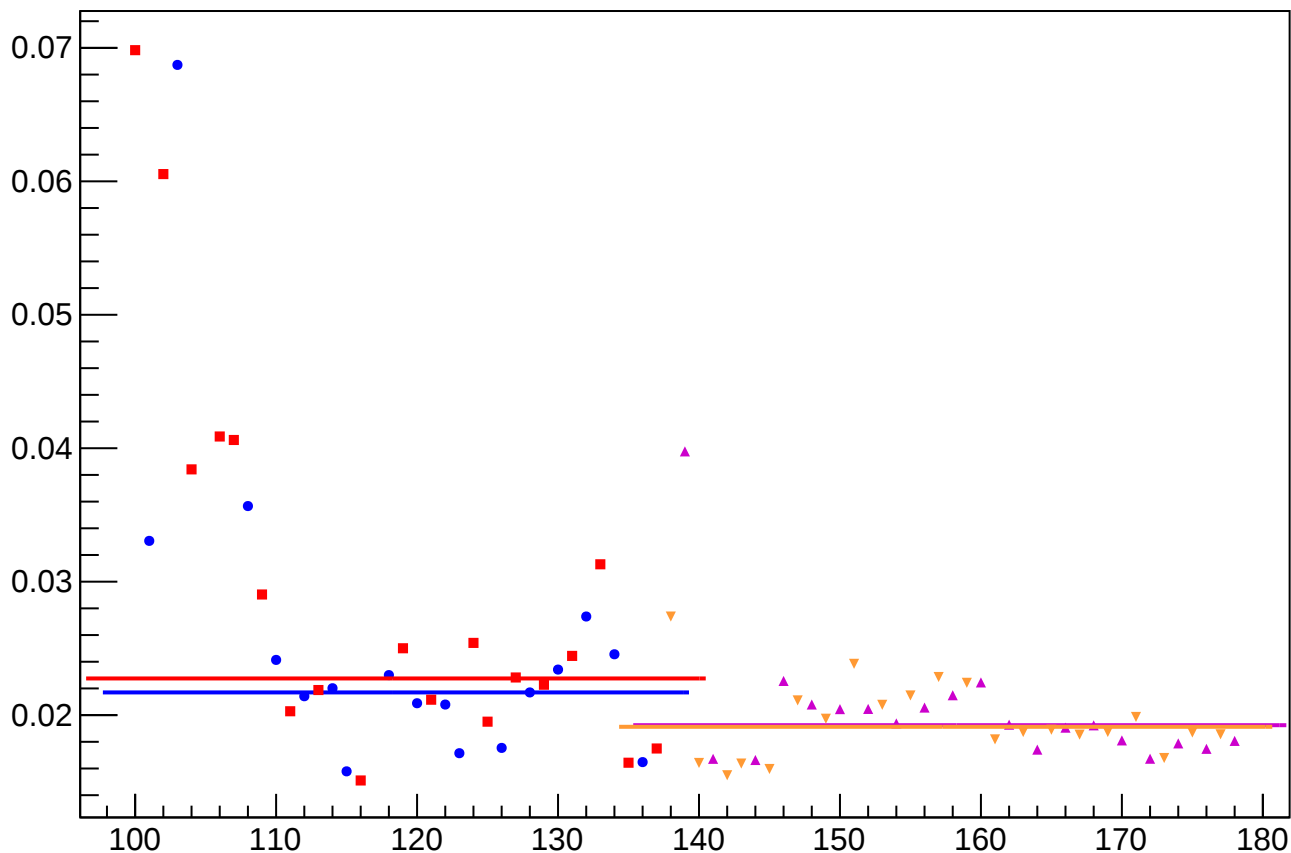
Left In: -0.849+/-0.000 χ^2/NDF : 246220212.0/19

+ sign -0.882+/-0.000 χ^2/NDF : 762746712.1/37

All: -0.888+/-0.000 χ^2/NDF : 1836597992.7/77

- sign -0.894+/-0.000 χ^2/NDF : 1070807385.1/38

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 424732.6/20

Right Out: 0.023 ± 0.000 χ^2/NDF : 1152332.6/18

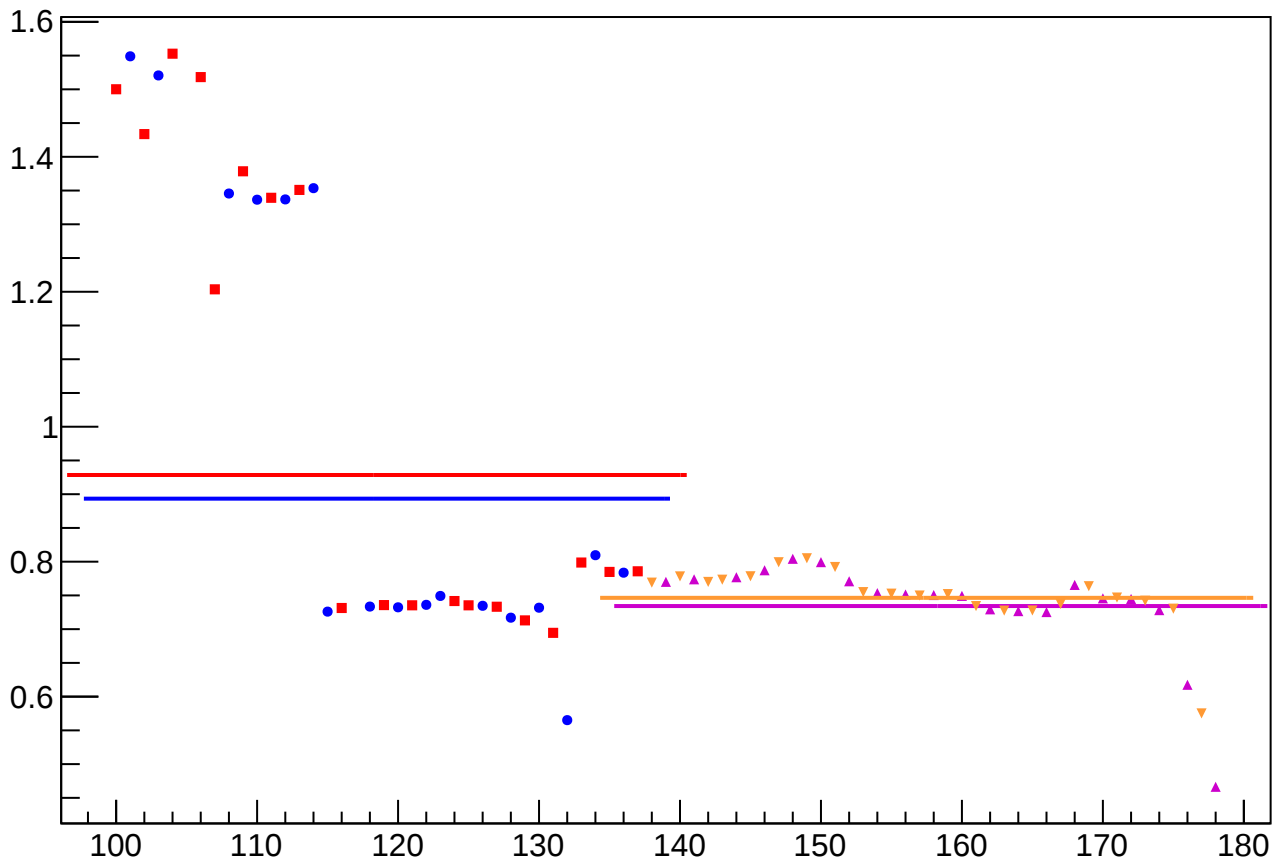
Left In: 0.019 ± 0.000 χ^2/NDF : 600721.9/19

+ sign 0.020 ± 0.000 χ^2/NDF : 1512509.3/37

All: 0.020 ± 0.000 χ^2/NDF : 3463438.2/76

- sign 0.020 ± 0.000 χ^2/NDF : 1946056.5/38

yield_bpm4acY_mean vs Slug



Right In: 0.893 $\pm$ 0.000 χ^2 /NDF: 2408017556.1/16

Left Out: 0.746 $\pm$ 0.000 χ^2 /NDF: 220946971.6/20

+ sign 0.778 $\pm$ 0.000 χ^2 /NDF: 3097015946.0/37

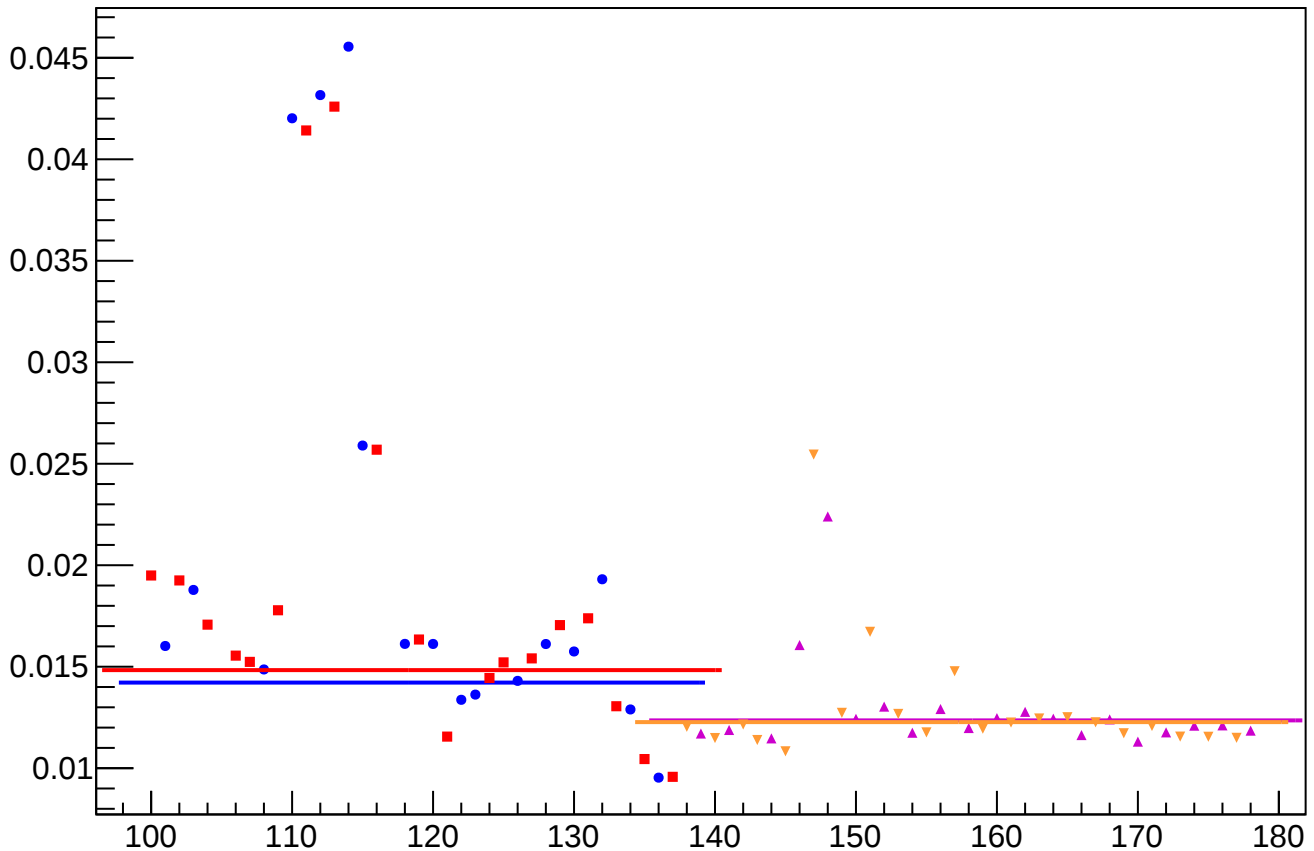
Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2435640156.0/18

All: 0.777 $\pm$ 0.000 χ^2 /NDF: 6875312619.0/70

- sign 0.776 $\pm$ 0.000 χ^2 /NDF: 3778116845.4/38

Left In: 0.734 $\pm$ 0.000 χ^2 /NDF: 539915389.7/19

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 615027.6/20

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1269559.2/18

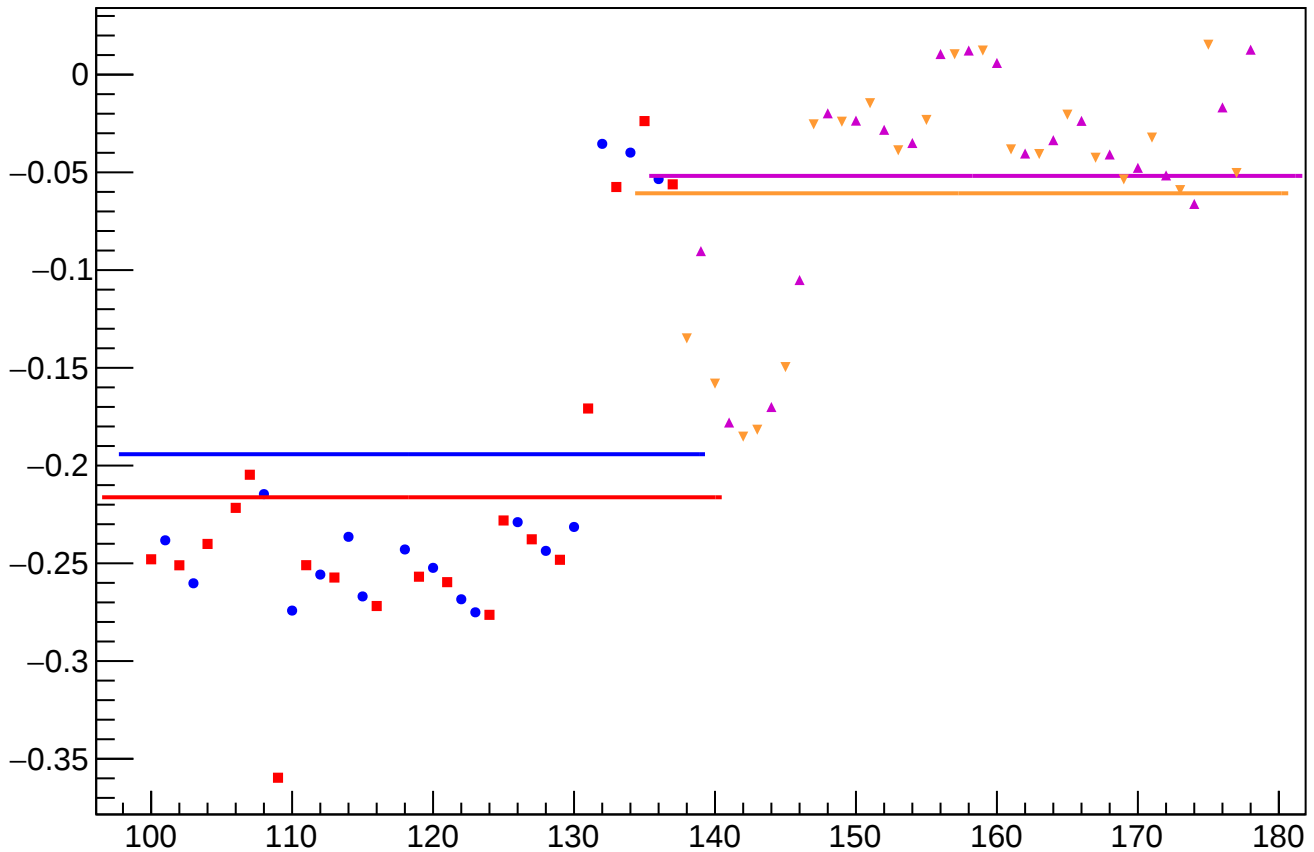
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 440577.9/19

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2188909.9/37

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4165297.0/76

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 1971190.1/38

yield_bpm4ecX_mean vs Slug



Right In: -0.194 ± 0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.061 ± 0.000 χ^2/NDF : 126674154.4/20

Right Out: -0.216 ± 0.000 χ^2/NDF : 111036295.0/18

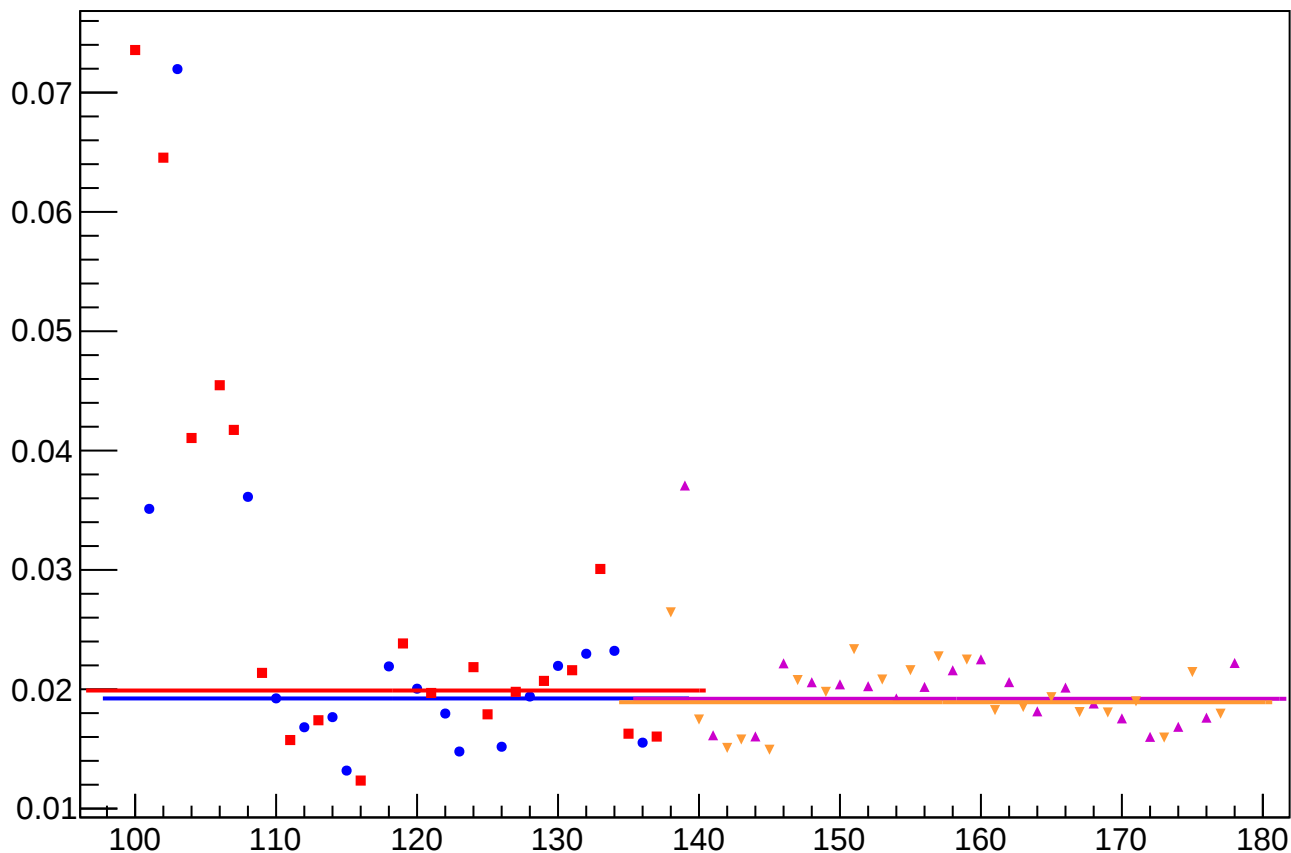
Left In: -0.052 ± 0.000 χ^2/NDF : 106128364.3/19

+ sign -0.097 ± 0.000 χ^2/NDF : 408600043.4/37

All: -0.097 ± 0.000 χ^2/NDF : 880789511.0/76

- sign -0.098 ± 0.000 χ^2/NDF : 472186345.9/38

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 : 496319.1/20

Right Out: 0.020 ± 0.000 χ^2/NDF : 1444442.2/18

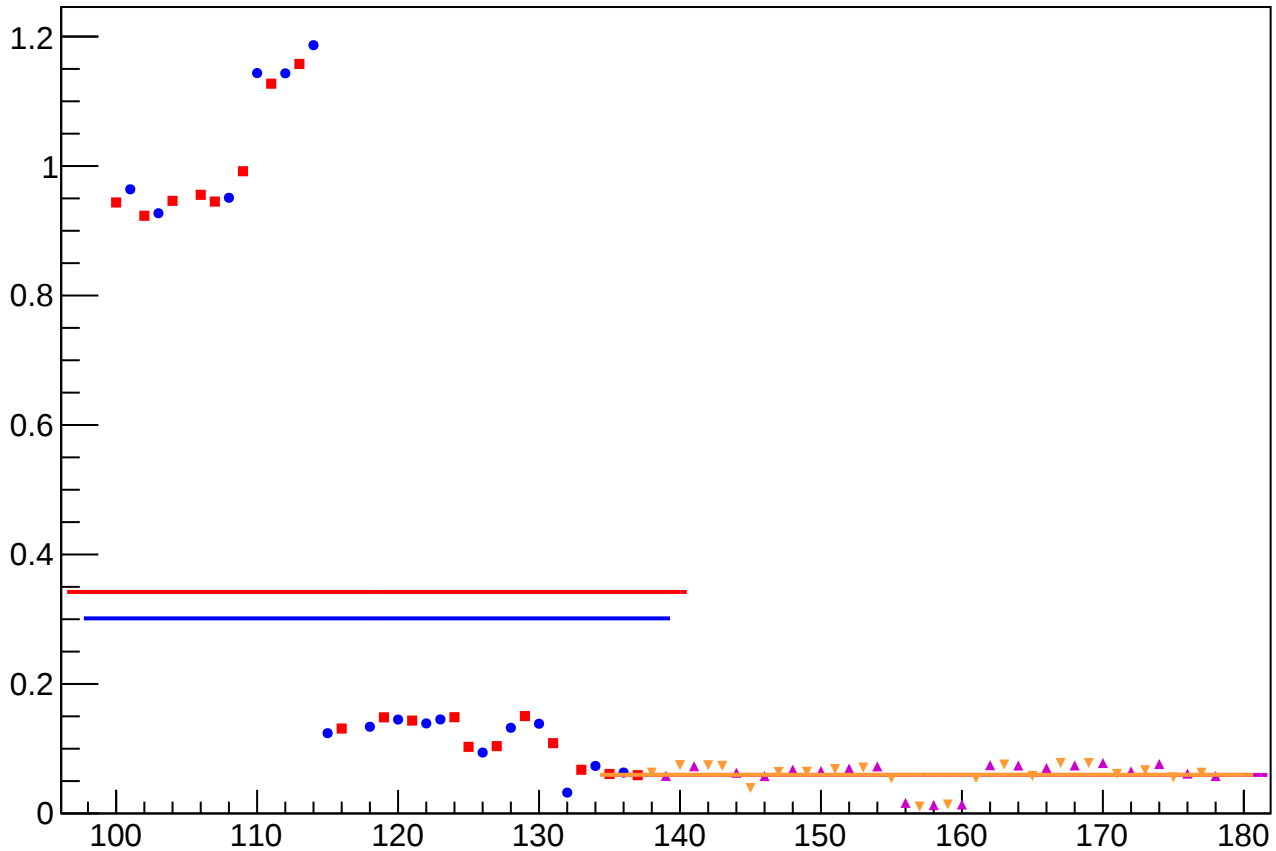
Left In: 0.019 ± 0.000 χ^2/NDF : 639872.1/19

+ sign 0.019 ± 0.000 χ^2/NDF : 1672837.9/37

All: 0.019 ± 0.000 χ^2/NDF : 3773695.0/76

- sign 0.019 ± 0.000 χ^2/NDF : 2093411.0/38

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.060+/-0.000 χ^2/NDF : 44084116.8/20

+ sign 0.115+/-0.000 χ^2/NDF : 6931034342.7/37

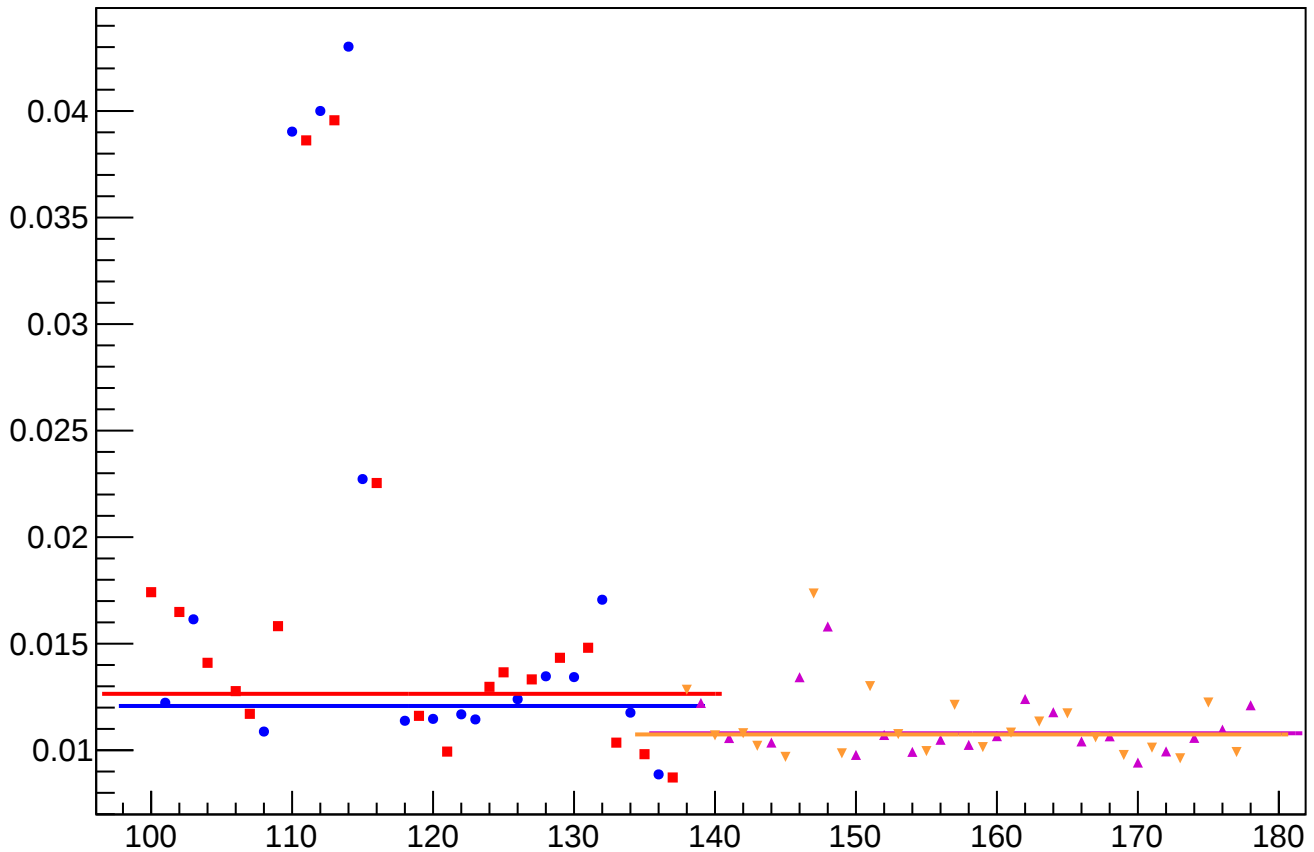
Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

All: 0.119+/-0.000 χ^2/NDF : 14713787470.4/7

Left In: 0.060+/-0.000 χ^2/NDF : 57340216.6/19

- sign 0.123+/-0.000 χ^2/NDF : 7776817053.2/38

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 454150.2/20

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

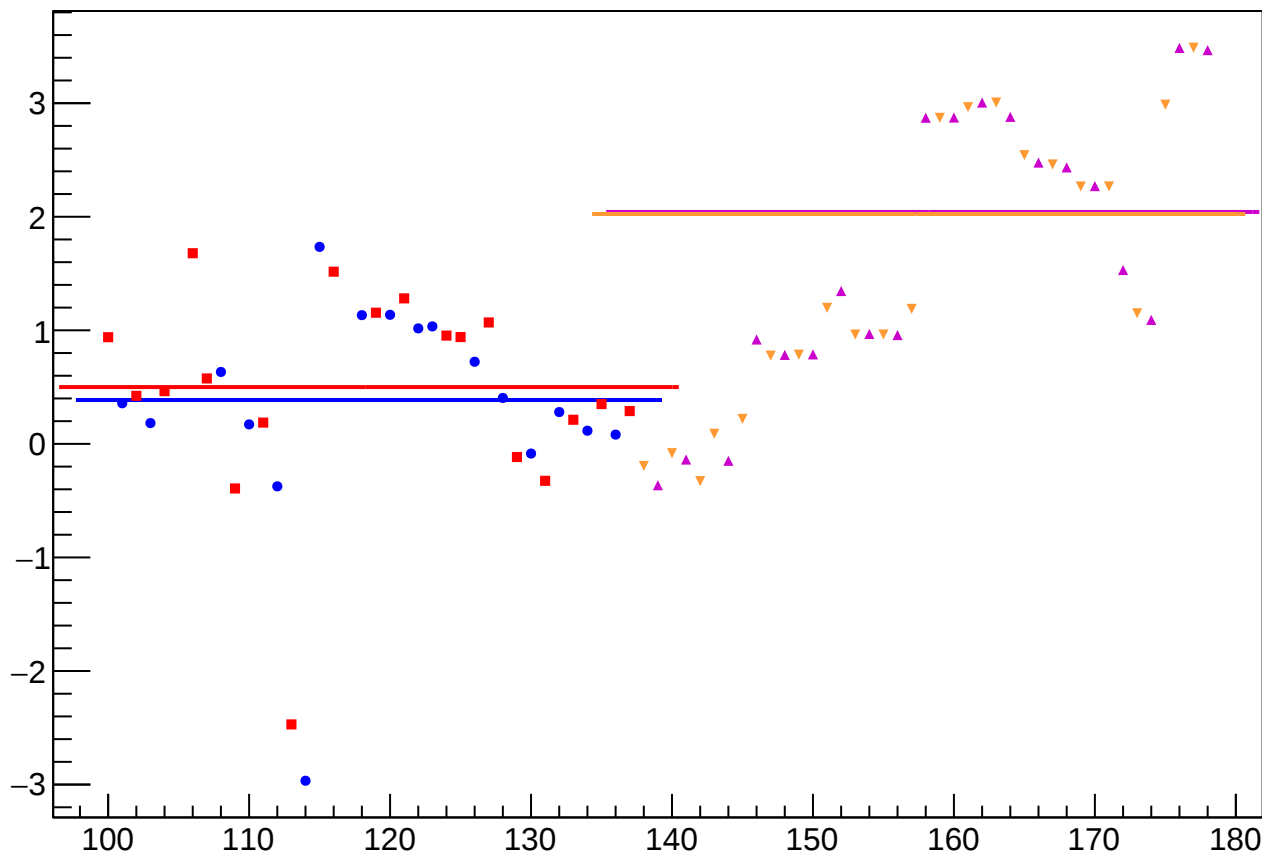
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 366138.9/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1840316.1/37

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3642484.0/76

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1797532.3/38

yield_bpm1X_mean vs Slug



Right In: 0.386 ± 0.000 χ^2/NDF : 246380221.7/16

Left Out: 2.024 ± 0.000 χ^2/NDF : 37341676578.8/20

Right Out: 0.500 ± 0.000 χ^2/NDF : 983386658.7/18

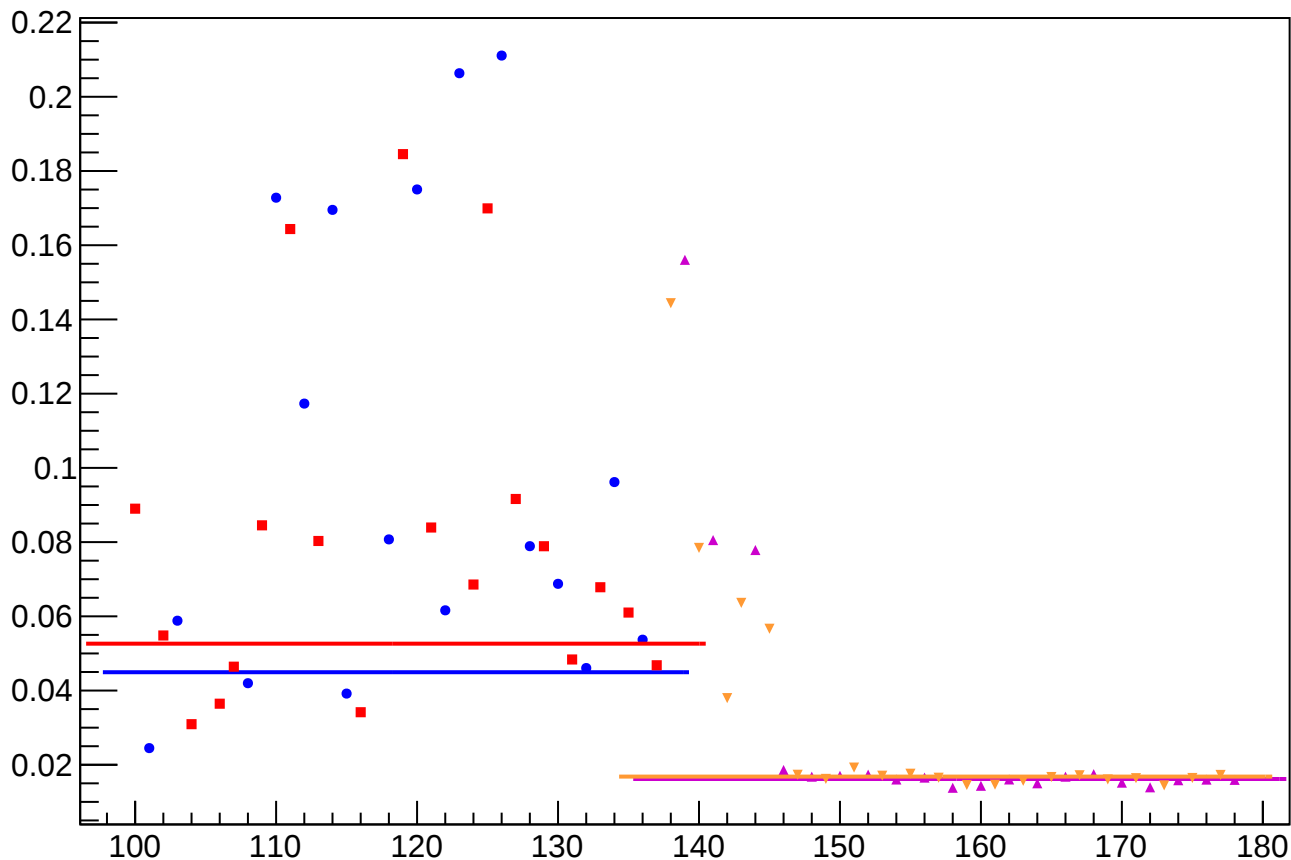
Left In: 2.042 ± 0.000 χ^2/NDF : 42507170015.8/19

+ sign 1.958 ± 0.000 χ^2/NDF : 42088715961.0/37

All: 1.976 ± 0.000 χ^2/NDF : 89031871094.7/77

- sign 1.993 ± 0.000 χ^2/NDF : 46916508233.6/38

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2788348.6/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 2779746.0/20

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2191752.0/18

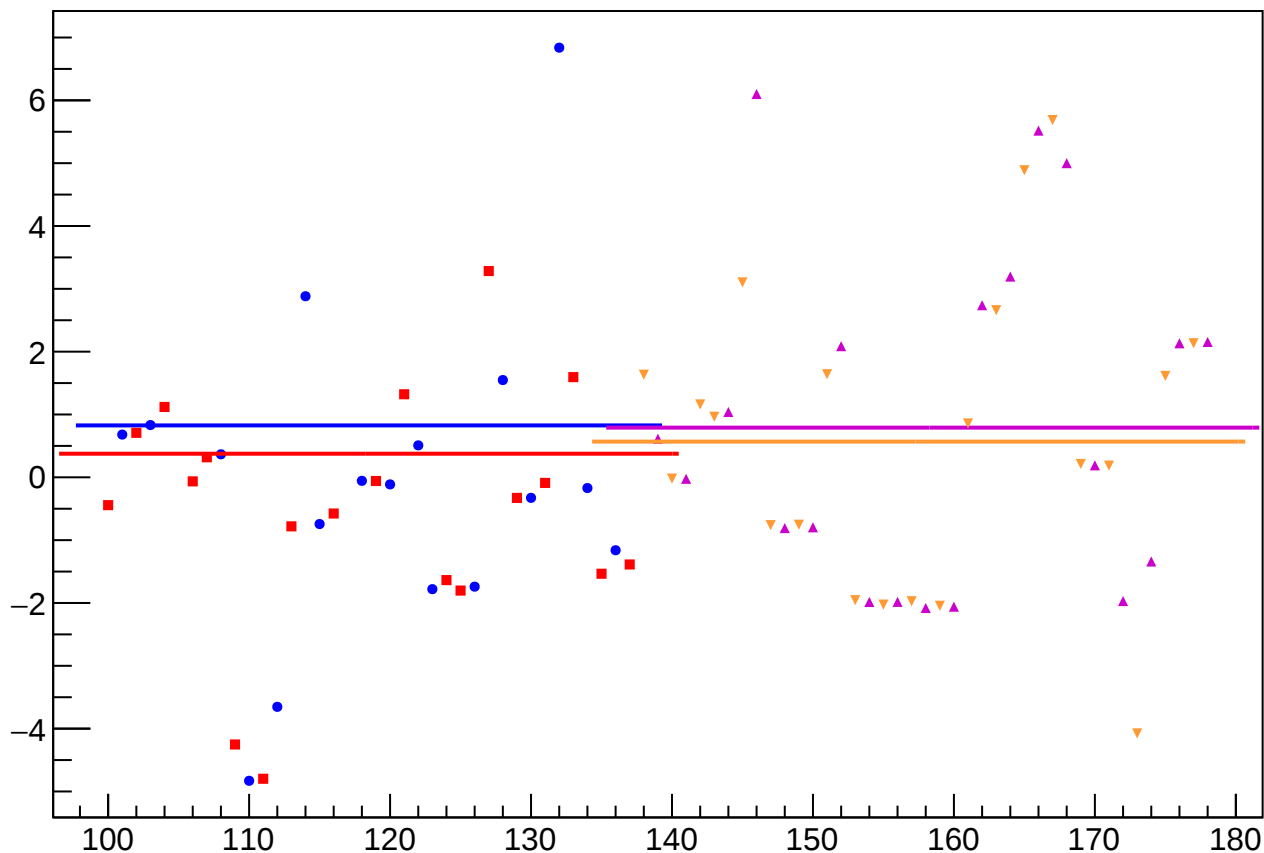
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF: 2451196.9/19

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8221042.3/37

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 16712401.0/76

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 8474533.1/38

yield_bpm1Y_mean vs Slug



Right In: 0.826 ± 0.000 $\chi^2/\text{NDF}: 10945455664.9/16$

Left Out: 0.568 ± 0.000 $\chi^2/\text{NDF}: 485181566878.3/20$

Right Out: 0.376 ± 0.000 $\chi^2/\text{NDF}: 4947158634.2/18$

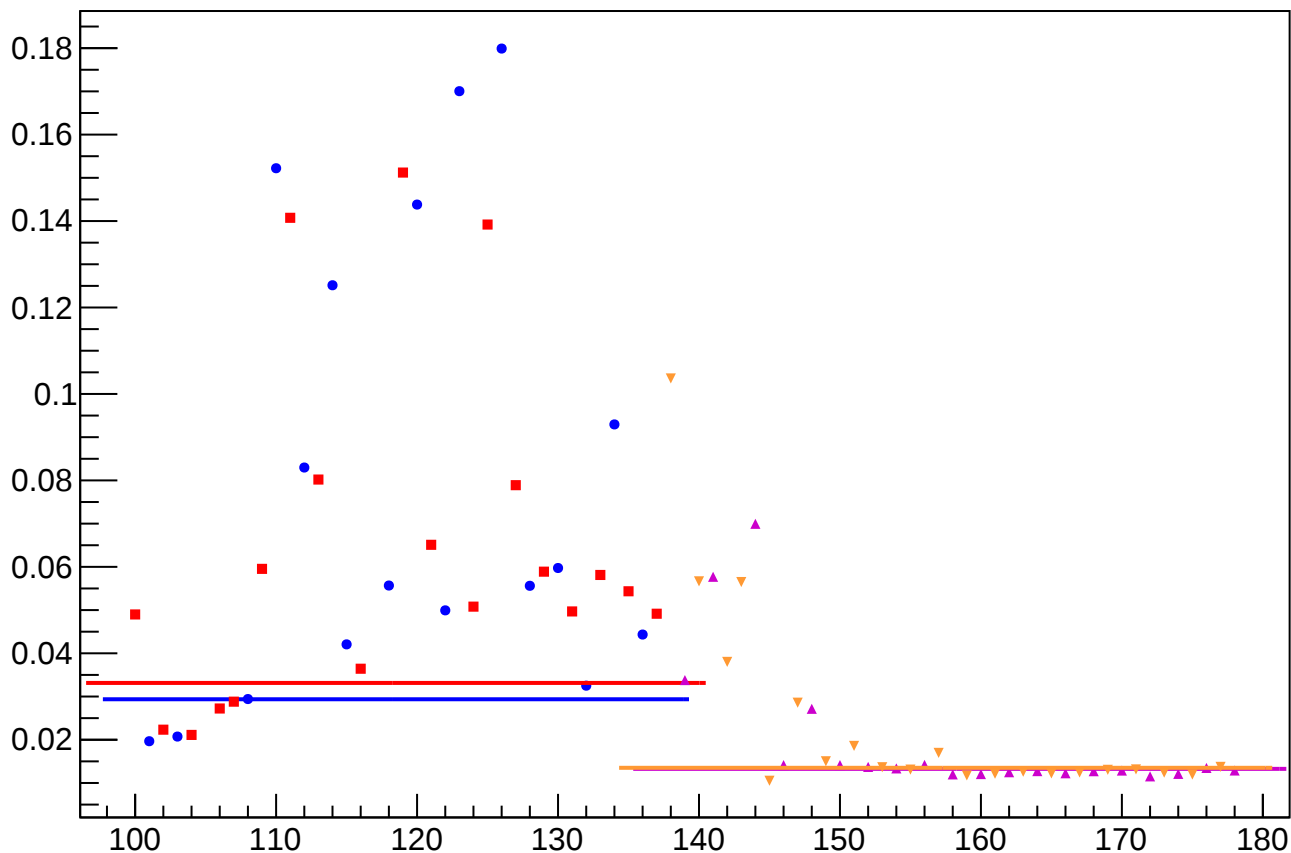
Left In: 0.791 ± 0.000 $\chi^2/\text{NDF}: 560999334072.3/19$

+ sign 0.582 ± 0.000 $\chi^2/\text{NDF}: 496374171769.0/37$

All: 0.679 ± 0.000 $\chi^2/\text{NDF}: 1064244618706.$

- sign 0.772 ± 0.000 $\chi^2/\text{NDF}: 566520860112.1/38$

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.014+/-0.000 χ^2/NDF : 2890655.7/20

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

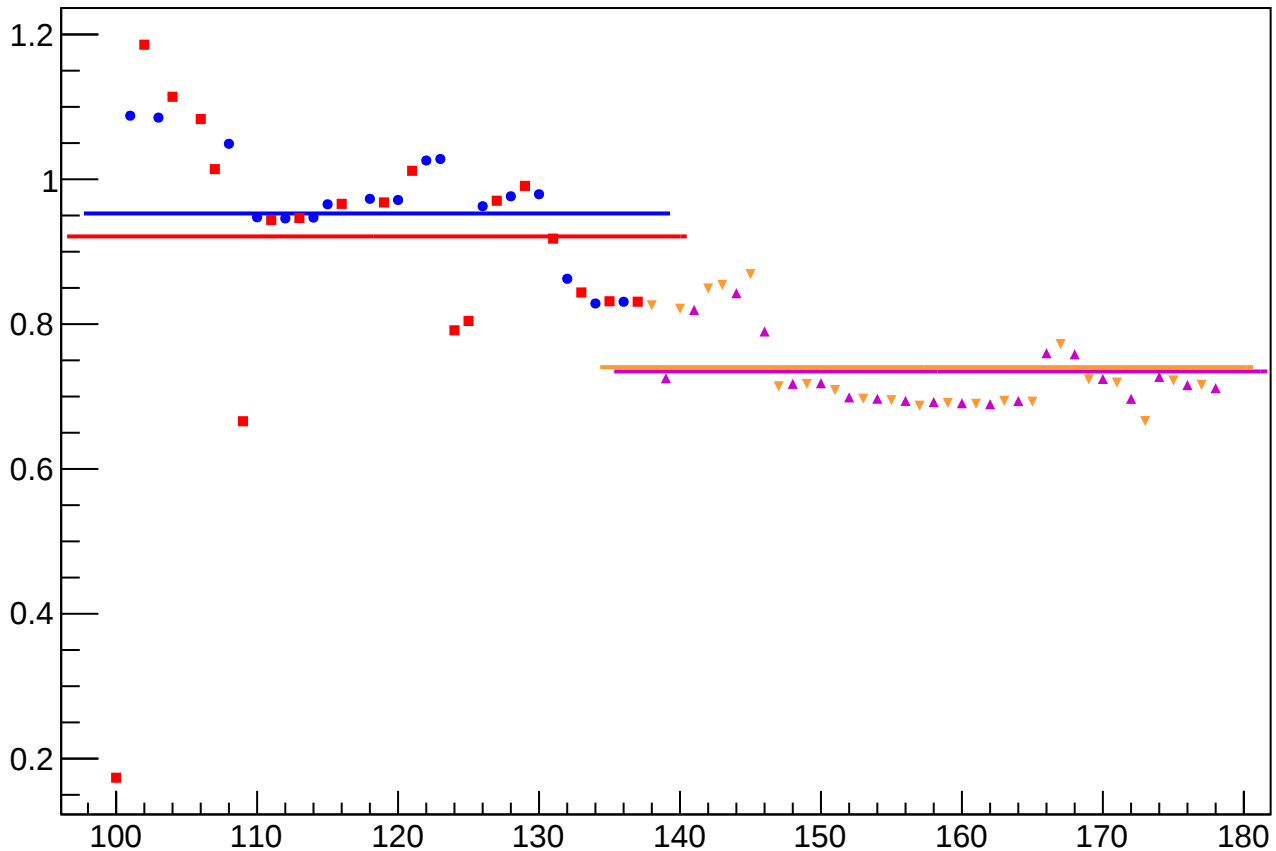
Left In: 0.013+/-0.000 χ^2/NDF : 1950662.4/19

+ sign 0.014+/-0.000 χ^2/NDF : 7749813.2/37

All: 0.014+/-0.000 χ^2/NDF : 15437957.8/76

- sign 0.014+/-0.000 χ^2/NDF : 7685379.4/38

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.741 $\pm$ 0.000 χ^2 /NDF: 292486765.4/20

+ sign 0.802 $\pm$ 0.000 χ^2 /NDF: 1441413912.2/37

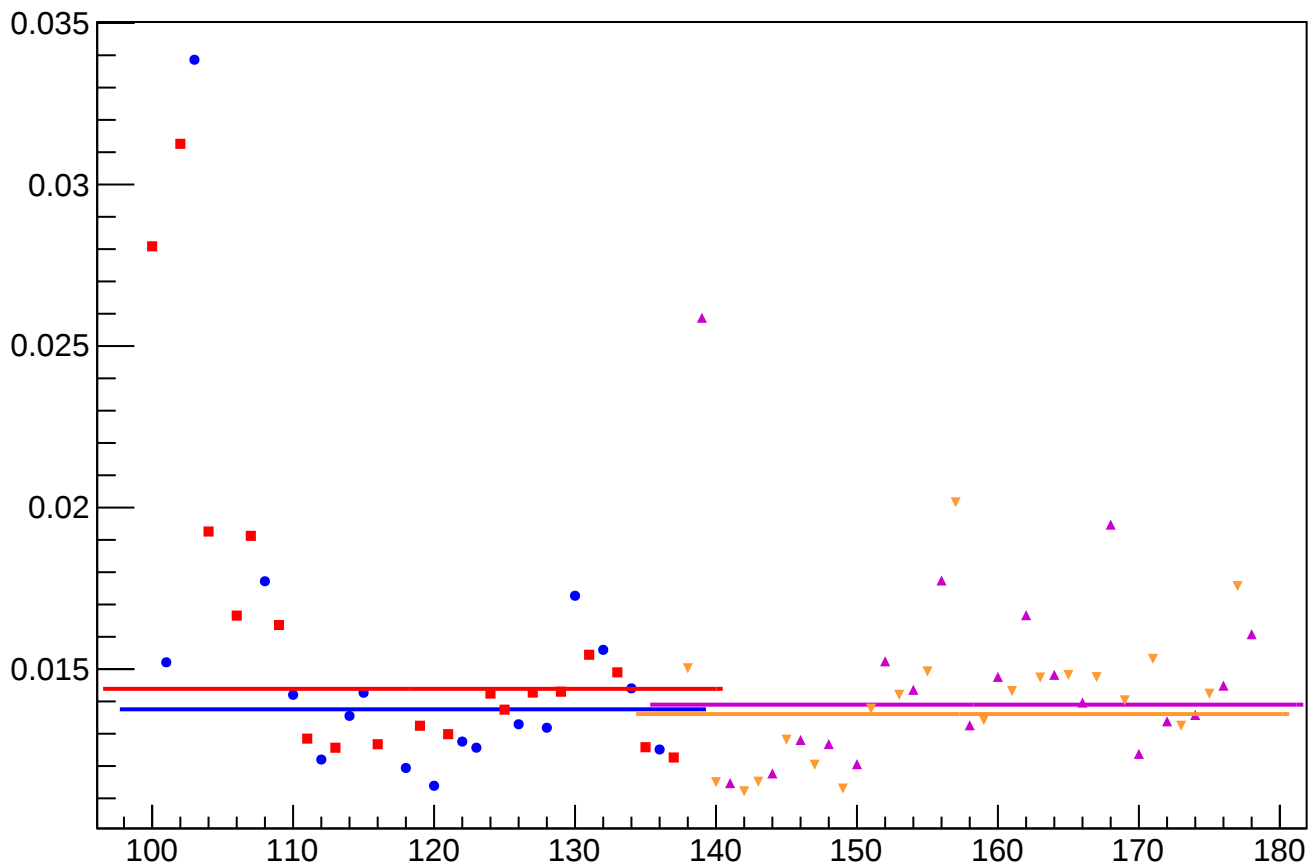
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374151585.5/18

All: 0.796 $\pm$ 0.000 χ^2 /NDF: 2715135978.9/76

- sign 0.789 $\pm$ 0.000 χ^2 /NDF: 1264973848.7/38

Left In: 0.735 $\pm$ 0.000 χ^2 /NDF: 167542878.7/19

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538469.4/16

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:473639.3/20

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

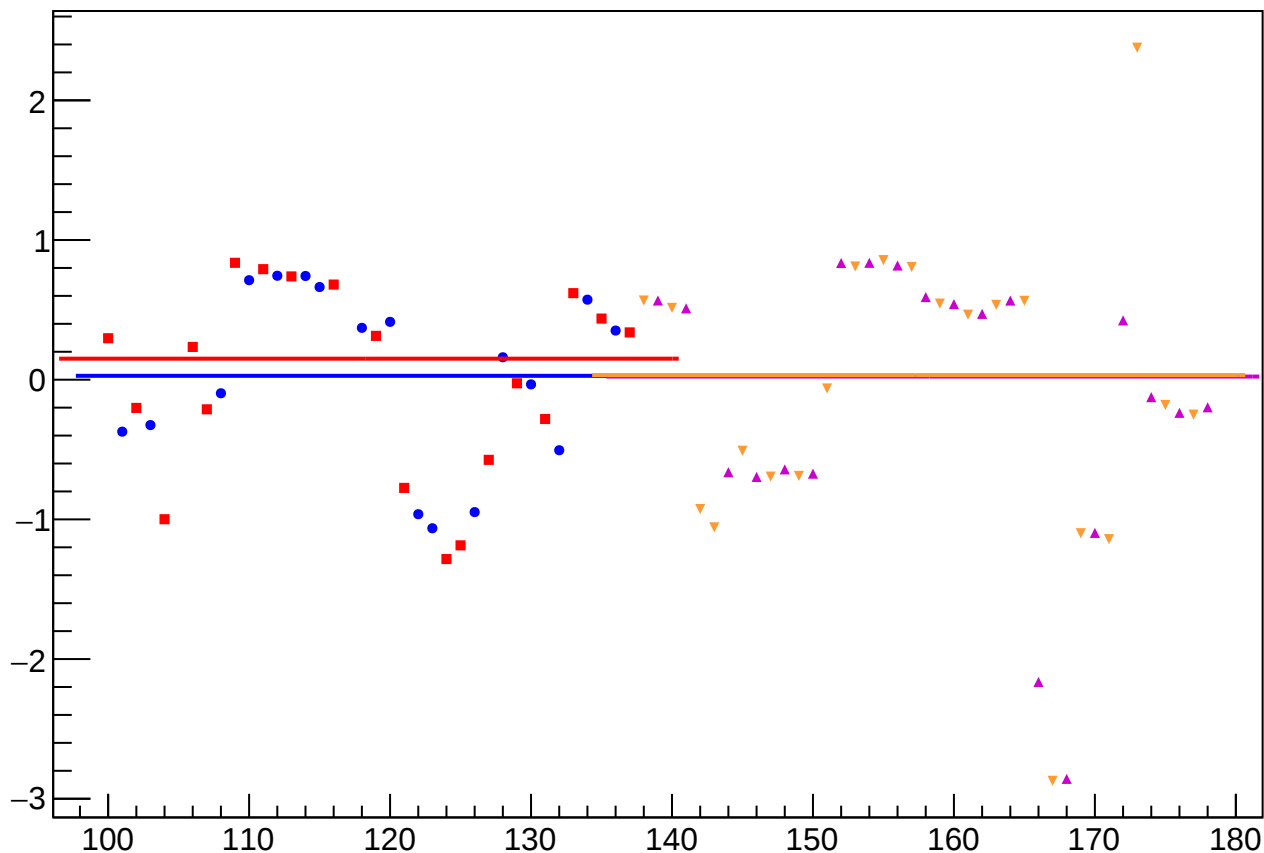
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:782626.5/19

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1013039.7/37

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2325182.2/76

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1296404.3/38

yield_bpm11Y_mean vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 95177528694.2/20

Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 12653743155.9/18

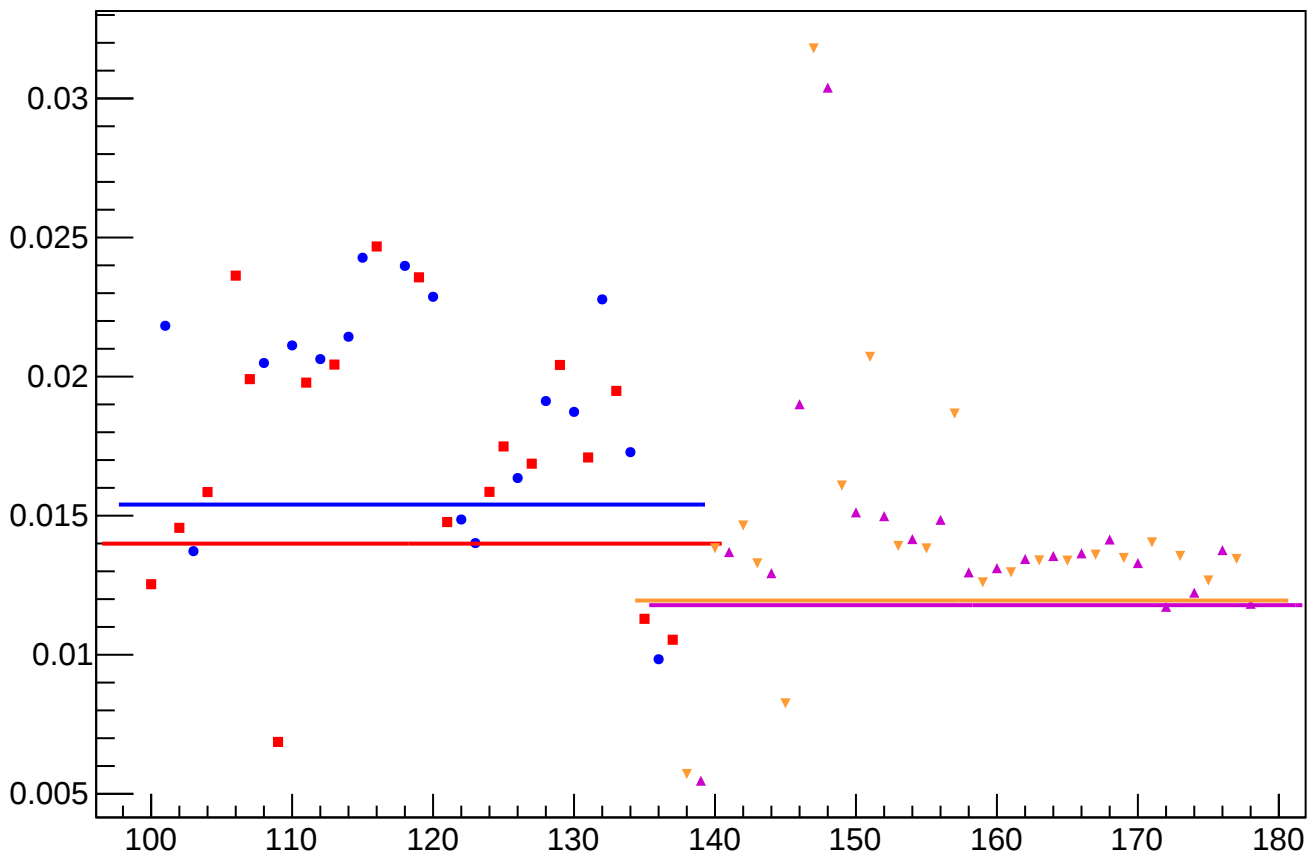
Left In: 0.022 $\pm$ 0.000 χ^2 /NDF: 79359727227.0/19

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 101455037459.6/37

All: 0.042 $\pm$ 0.000 χ^2 /NDF: 193853307284.7

- sign 0.052 $\pm$ 0.000 χ^2 /NDF: 92374503722.5/38

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3068052.0/20

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

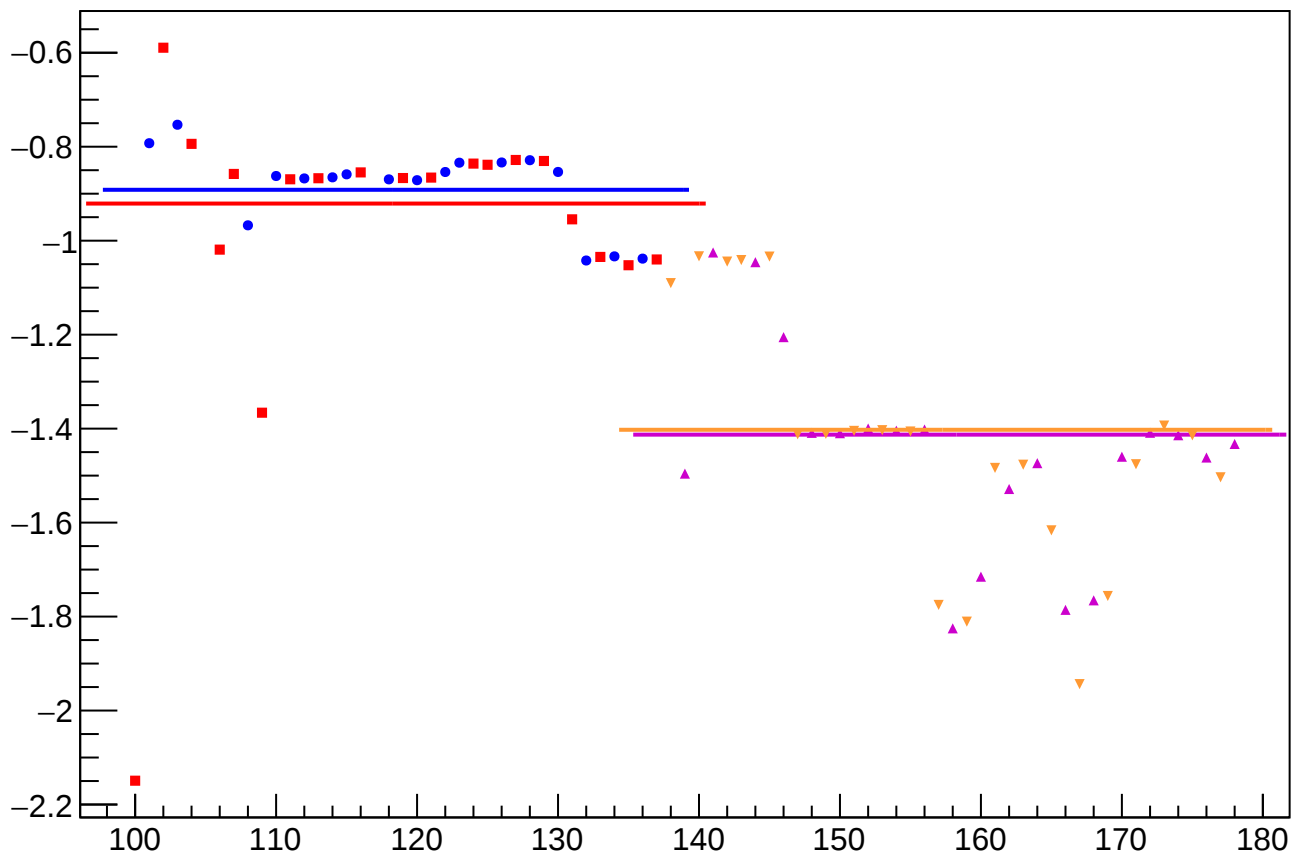
Left In: 0.012+/-0.000 χ^2/NDF : 3067326.7/19

+ sign 0.013+/-0.000 χ^2/NDF : 4659682.0/37

All: 0.012+/-0.000 χ^2/NDF : 9518168.8/76

- sign 0.012+/-0.000 χ^2/NDF : 4843940.9/38

yield_bpm12X_mean vs Slug



Right In: -0.892 ± 0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.402 ± 0.000 χ^2/NDF : 717949369.3/20

Right Out: -0.921 ± 0.000 χ^2/NDF : 131159330.1/18

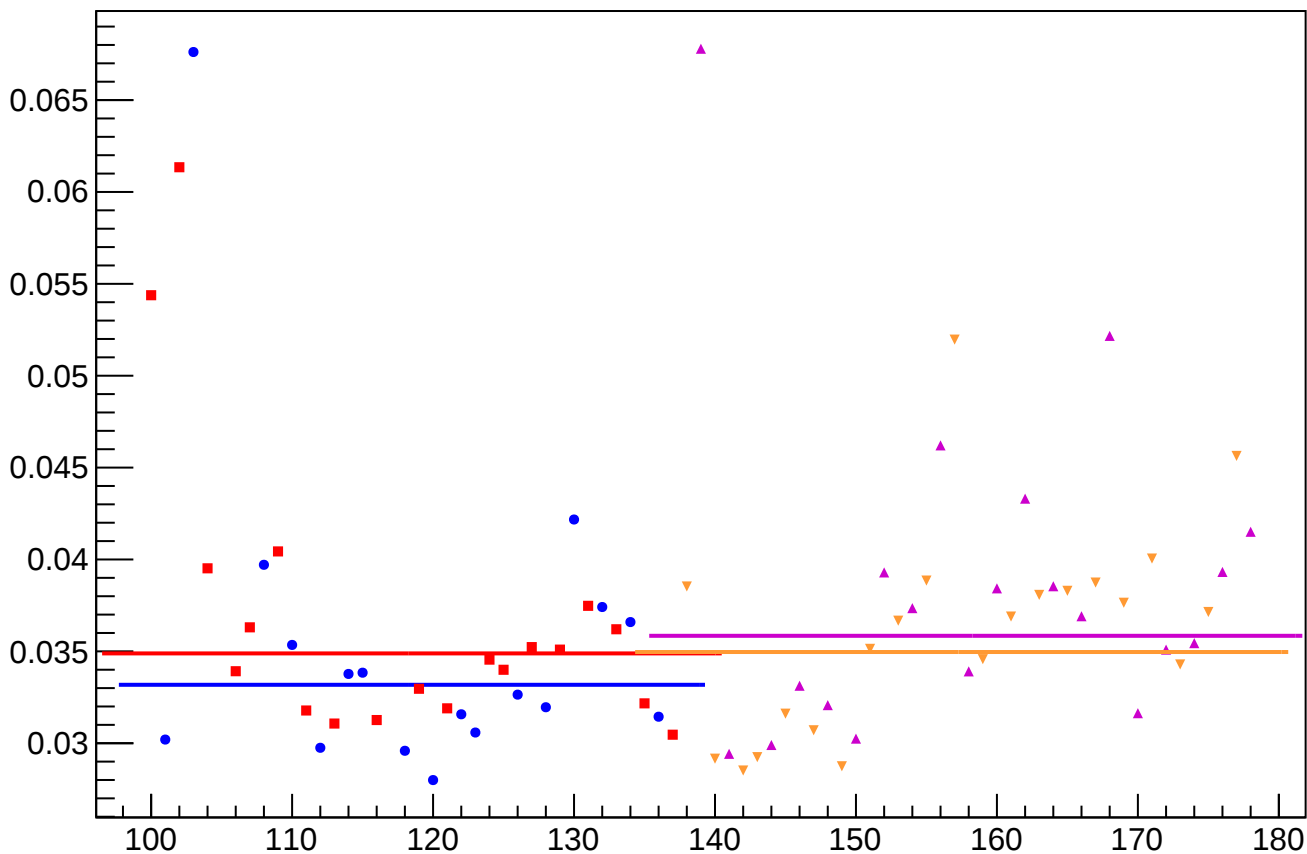
Left In: -1.413 ± 0.000 χ^2/NDF : 512347137.8/19

+ sign -1.239 ± 0.000 χ^2/NDF : 1693624531.7/37

All: -1.246 ± 0.000 χ^2/NDF : 3166152428.3/7

- sign -1.254 ± 0.000 χ^2/NDF : 1470666535.3/38

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.035+/-0.000 χ^2/NDF : 537230.3/20

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

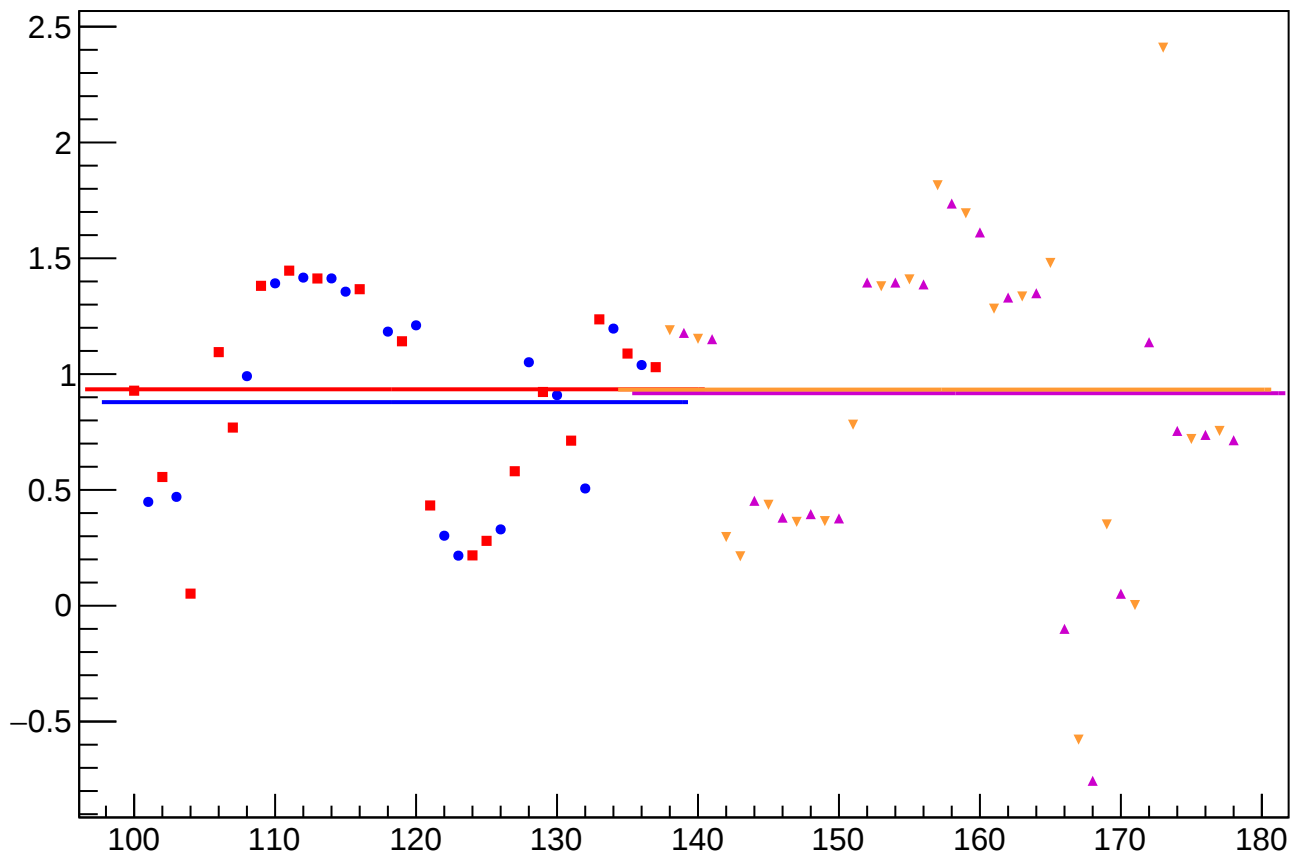
Left In: 0.036+/-0.000 χ^2/NDF : 874940.9/19

+ sign 0.034+/-0.000 χ^2/NDF : 960175.8/37

All: 0.035+/-0.000 χ^2/NDF : 2137427.1/76

- sign 0.036+/-0.000 χ^2/NDF : 1156233.1/38

yield_bpm12Y_mean vs Slug



Right In: 0.879 ± 0.000 $\chi^2/\text{NDF}: 6371602566.2/16$

Left Out: 0.933 ± 0.000 $\chi^2/\text{NDF}: 82750761632.3/20$

Right Out: 0.934 ± 0.000 $\chi^2/\text{NDF}: 9827120184.9/18$

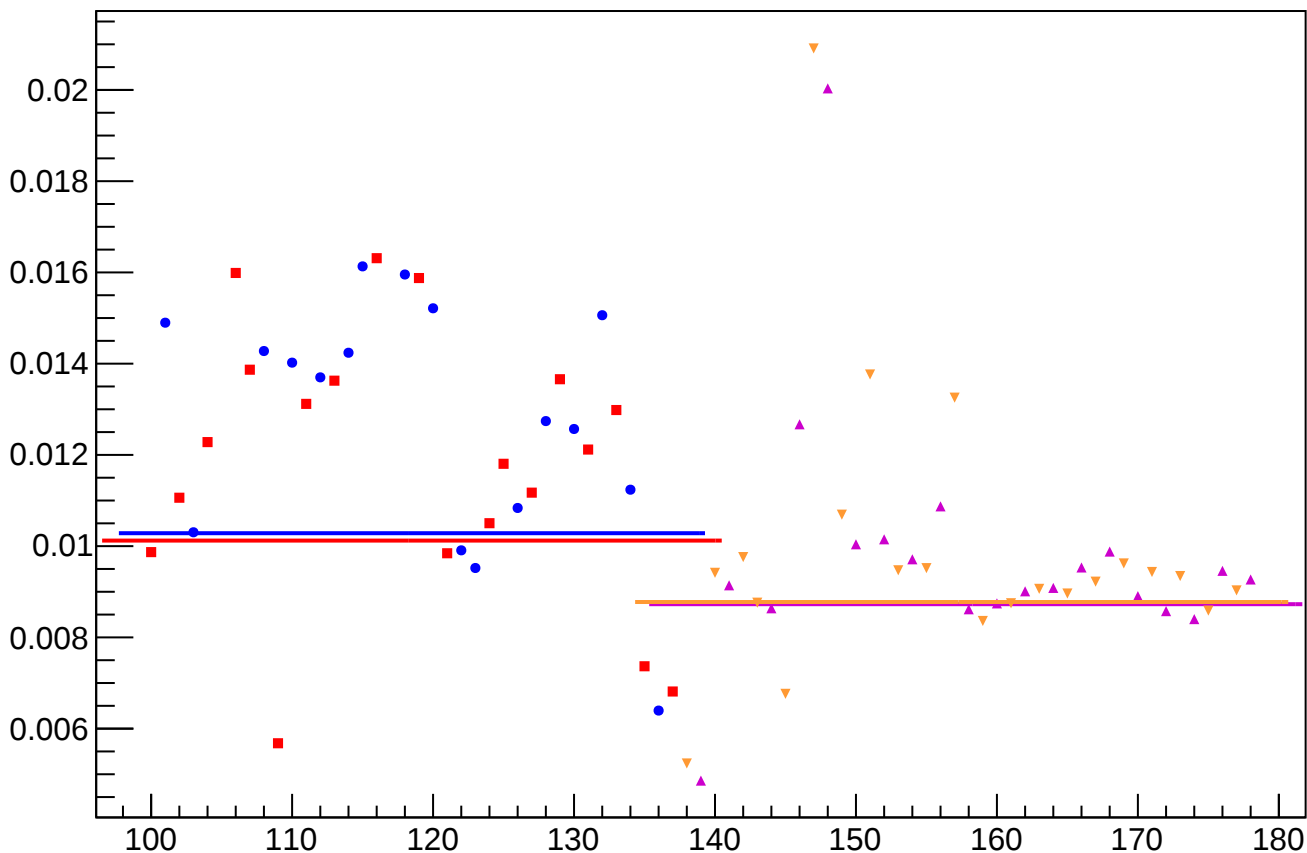
Left In: 0.918 ± 0.000 $\chi^2/\text{NDF}: 66481443000.0/19$

+ sign 0.921 ± 0.000 $\chi^2/\text{NDF}: 89242510939.3/37$

All: 0.921 ± 0.000 $\chi^2/\text{NDF}: 165563445759.1$

- sign 0.921 ± 0.000 $\chi^2/\text{NDF}: 76320923733.5/38$

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:1696458.8/20

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

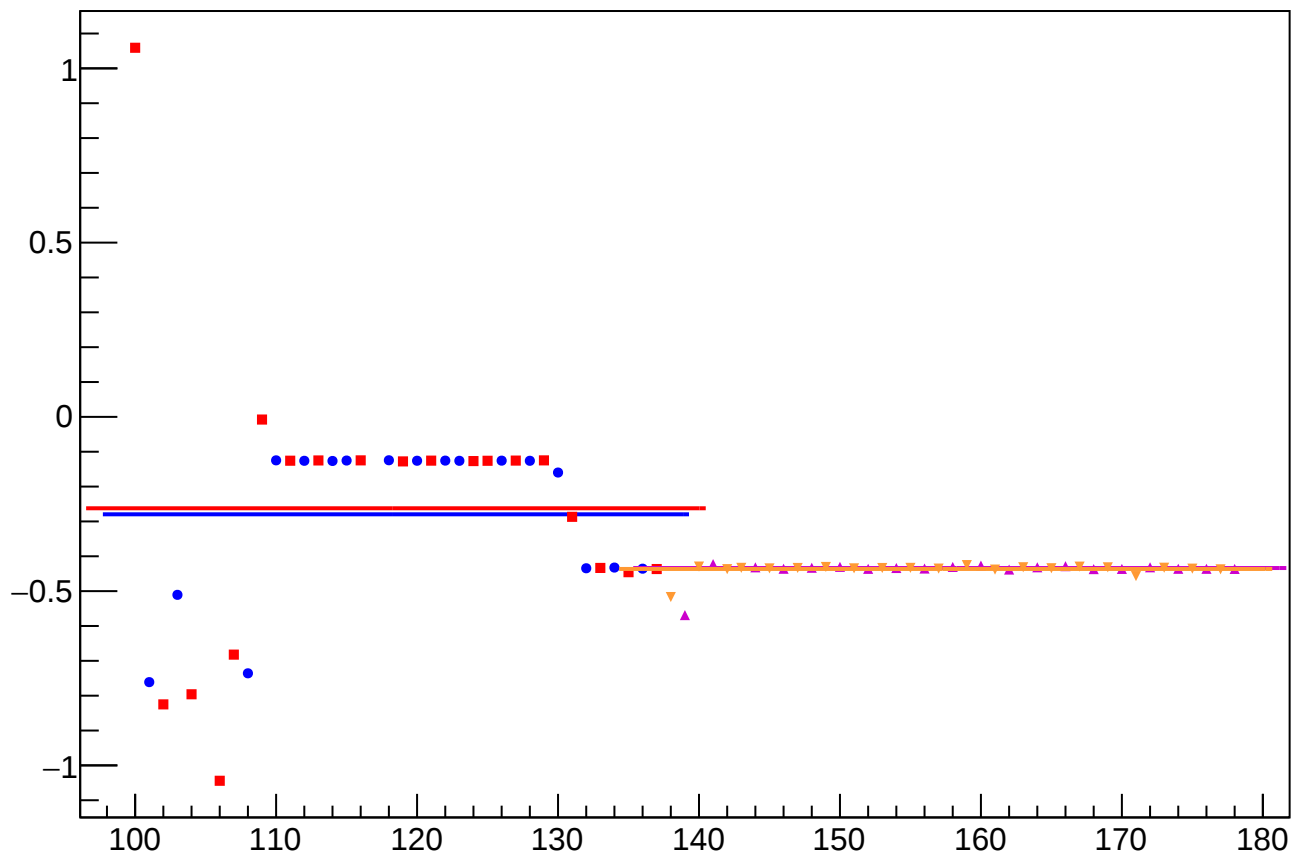
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669739.8/19

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3090281.3/37

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6106240.7/76

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3015361.3/38

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 28752409.0/20

Right Out: -0.262 ± 0.000 χ^2/NDF : 1006263824.6/18

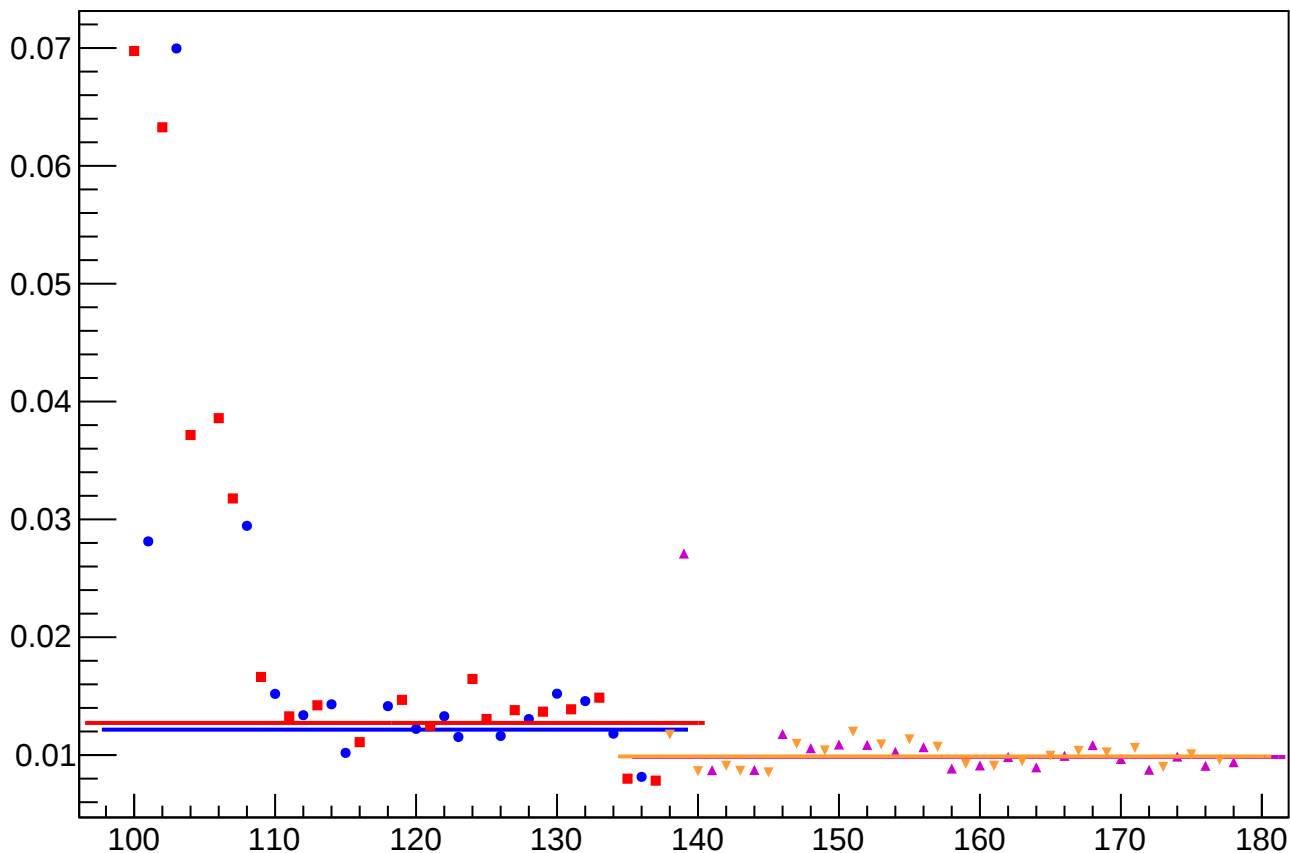
Left In: -0.434 ± 0.000 χ^2/NDF : 19963132.3/19

+ sign -0.407 ± 0.000 χ^2/NDF : 1587262883.1/37

All: -0.405 ± 0.000 χ^2/NDF : 3333091111.6/7

- sign -0.403 ± 0.000 χ^2/NDF : 1744160484.9/38

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:250390.6/20

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

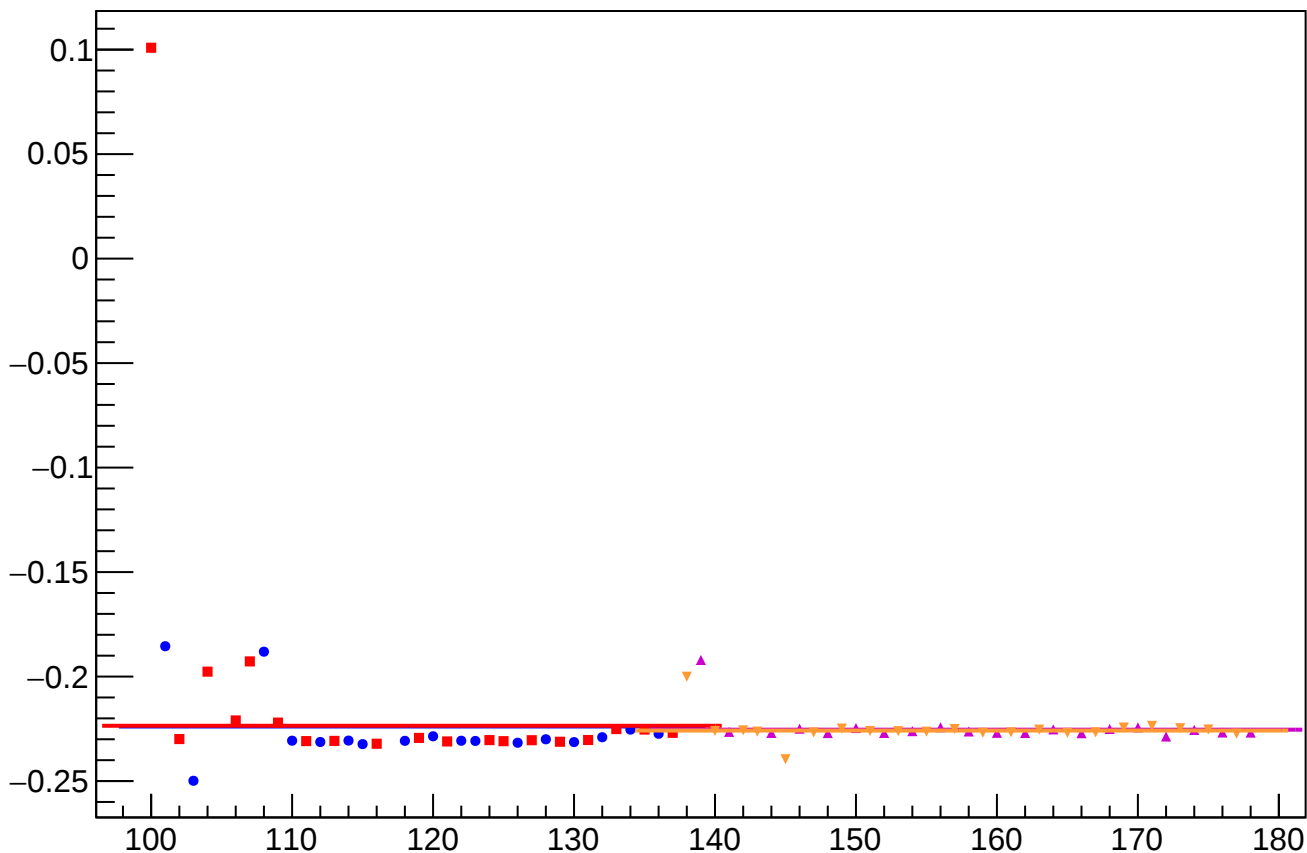
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:776415.4/19

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2238168.0/37

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5390025.8/76

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3151385.4/38

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 : 20936264.4/20

+ sign -0.225+/-0.000 χ^2/NDF : 96233825.0/37

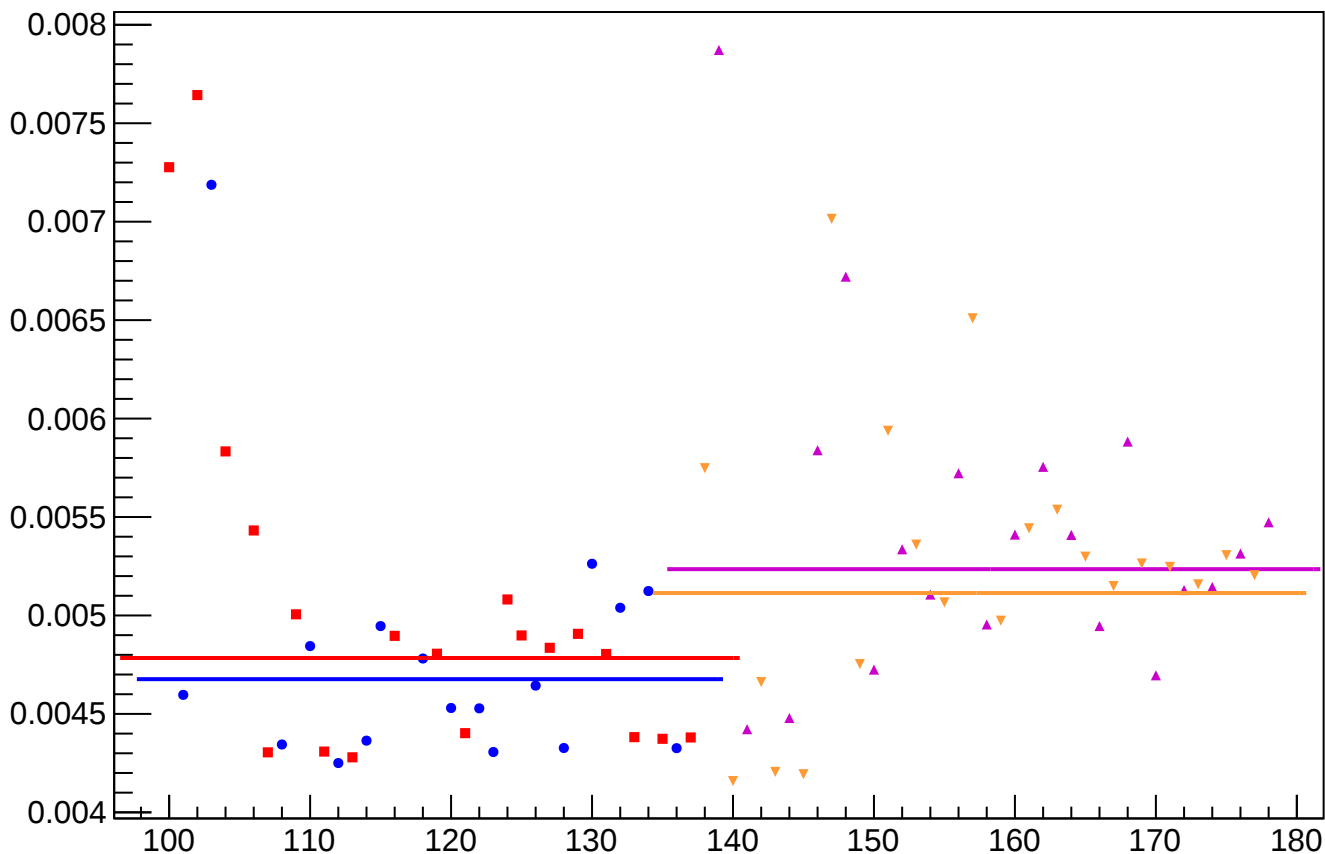
Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

All: -0.225+/-0.000 χ^2/NDF : 278349311.9/76

Left In: -0.225+/-0.000 χ^2/NDF : 13275883.6/19

- sign -0.225+/-0.000 χ^2/NDF : 182042557.0/38

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 : 455546.7/20

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

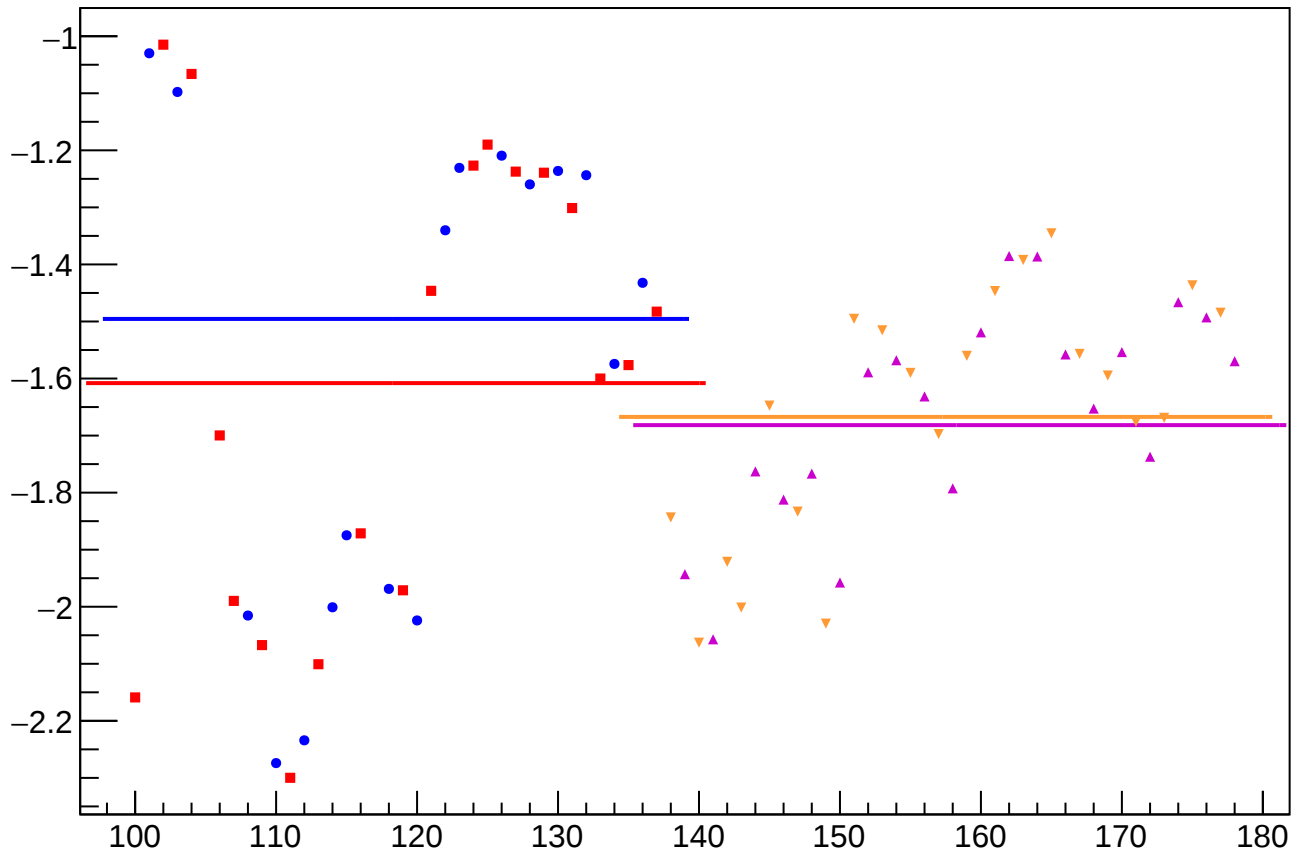
Left In: 0.005+/-0.000 χ^2/NDF : 440289.7/19

+ sign 0.005+/-0.000 χ^2/NDF : 706898.6/37

All: 0.005+/-0.000 χ^2/NDF : 1479748.9/76

- sign 0.005+/-0.000 χ^2/NDF : 763096.8/38

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.667 ± 0.000 χ^2/NDF : 17551980174.1/20

Right Out: -1.608 ± 0.000 χ^2/NDF : 27852841950.3/18

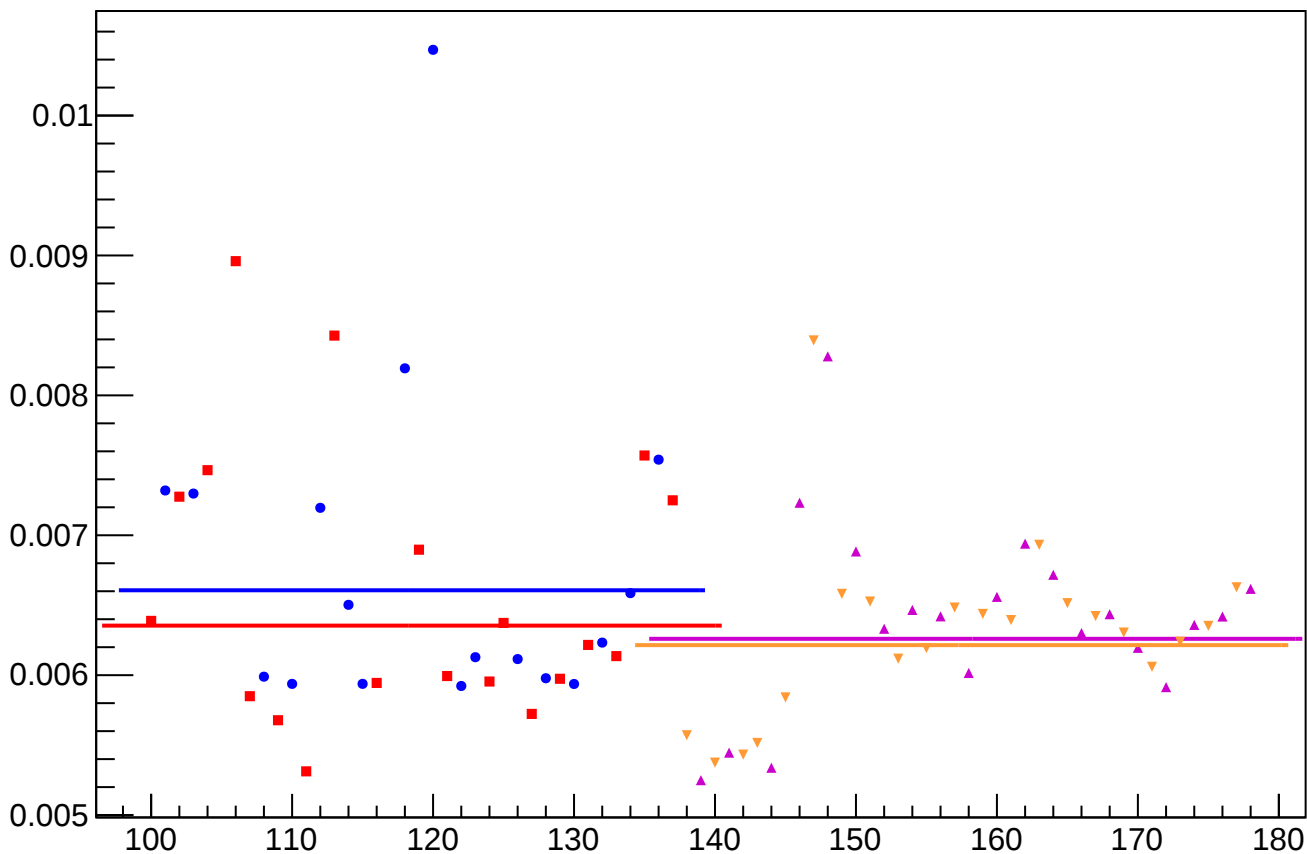
Left In: -1.682 ± 0.000 χ^2/NDF : 13449359124.4/19

+ sign -1.622 ± 0.000 χ^2/NDF : 43075919572.9/37

All: -1.641 ± 0.000 χ^2/NDF : 85364782338.9

- sign -1.659 ± 0.000 χ^2/NDF : 41918748146.0/38

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 : 236971.9/20

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

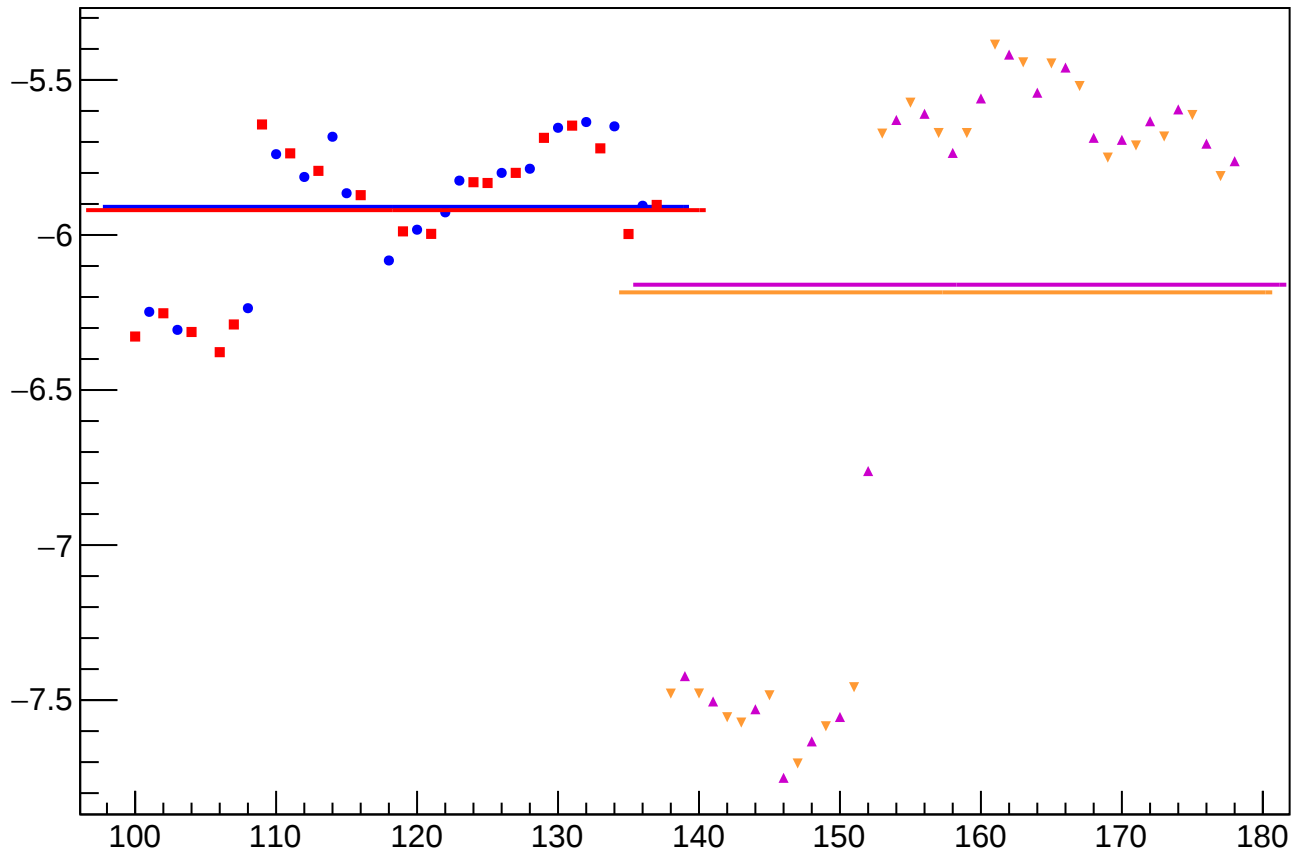
Left In: 0.006+/-0.000 χ^2/NDF : 301793.5/19

+ sign 0.006+/-0.000 χ^2/NDF : 469756.2/37

All: 0.006+/-0.000 χ^2/NDF : 1001320.8/76

- sign 0.006+/-0.000 χ^2/NDF : 531104.1/38

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.185+/-0.000 χ^2/NDF : 178934503494.4/20

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

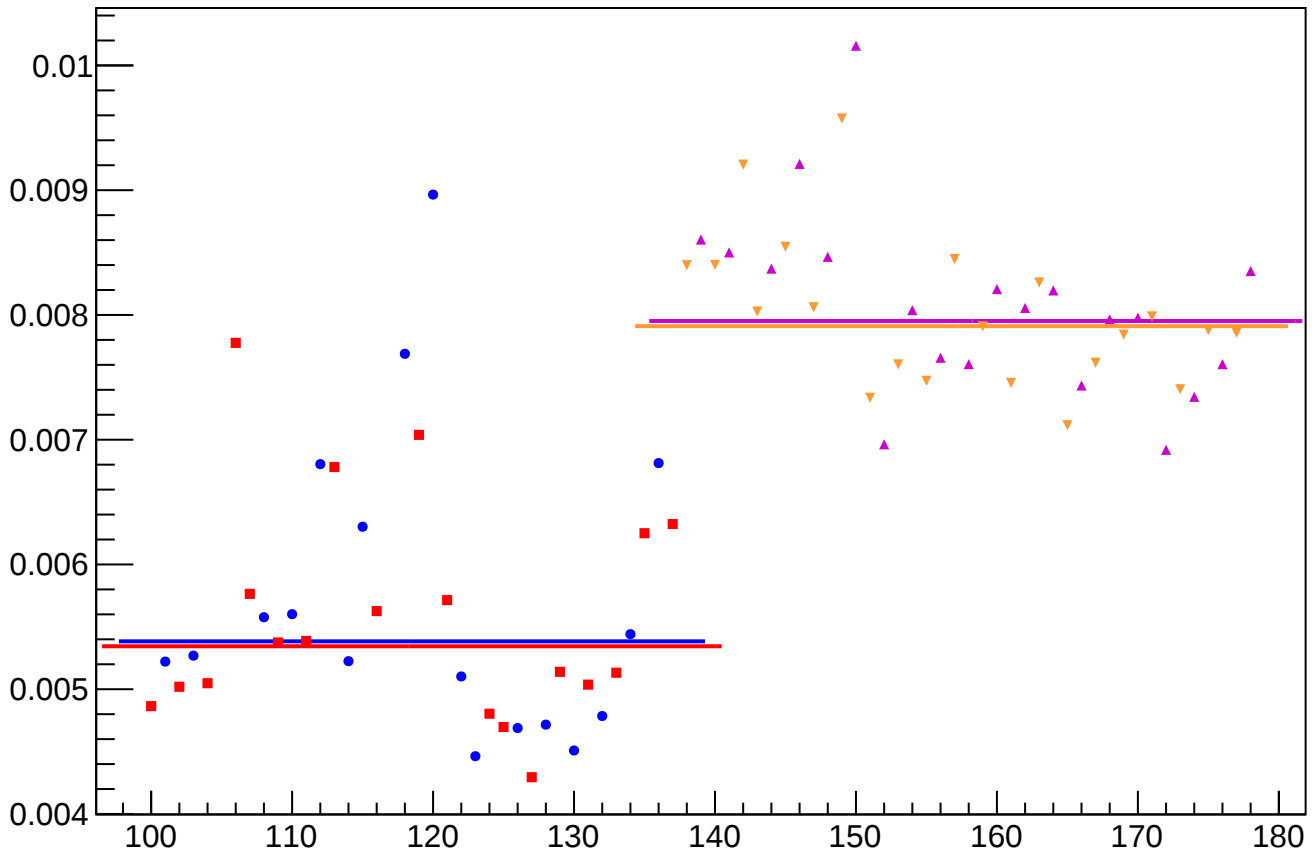
Left In: -6.160+/-0.000 χ^2/NDF : 156525786154.8/19

+ sign -6.055+/-0.000 χ^2/NDF : 198201433833.1/37

All: -6.048+/-0.000 χ^2/NDF : 374021975388.4

- sign -6.040+/-0.000 χ^2/NDF : 175772555487.7/38

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 :123700.6/20

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

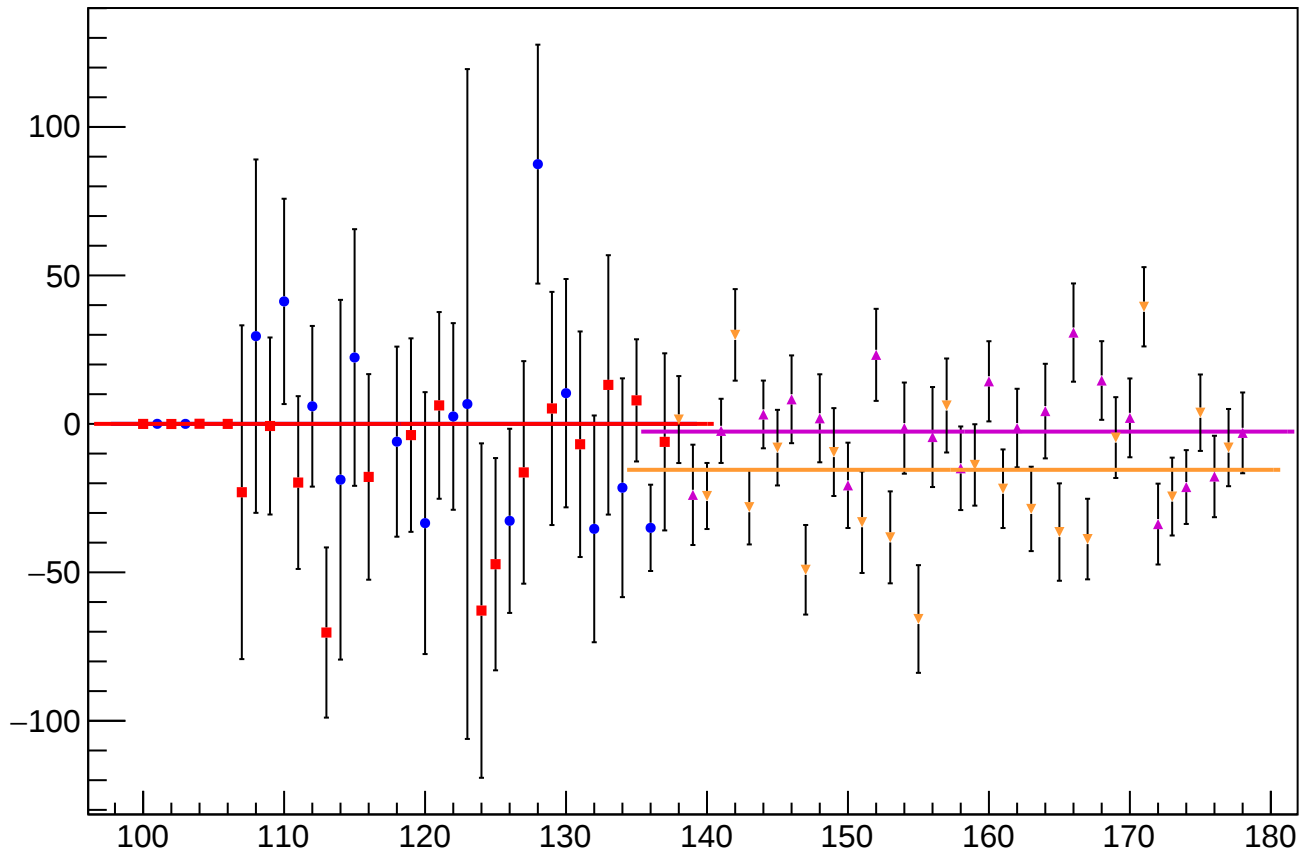
Left In: 0.008+/-0.000 χ^2/NDF :206805.1/19

+ sign 0.007+/-0.000 χ^2/NDF : 1837553.3/37

All: 0.007+/-0.000 χ^2/NDF : 3810432.4/76

- sign 0.007+/-0.000 χ^2/NDF : 1970751.4/38

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -15.468 ± 3.058 χ^2/NDF : 56.2/20

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.3/18

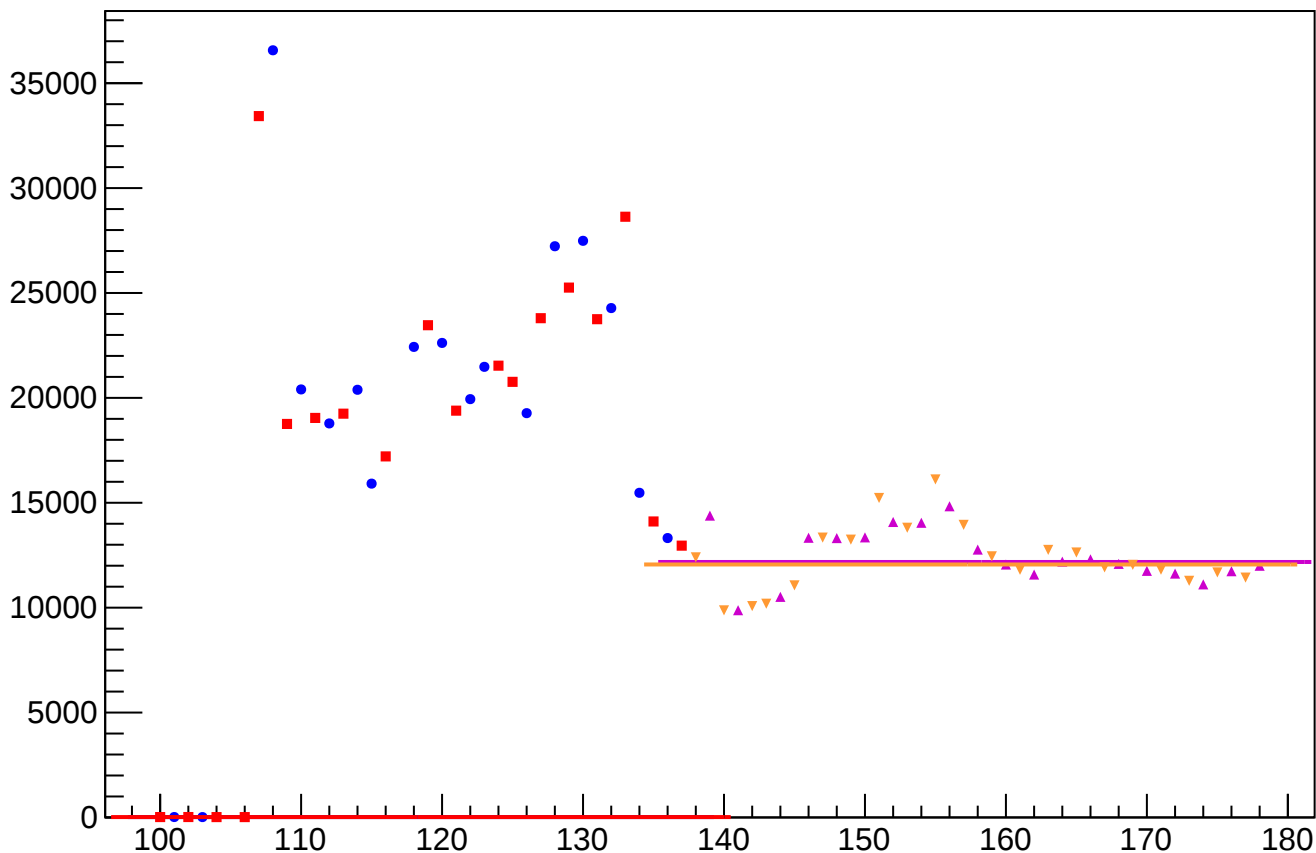
Left In: -2.600 ± 3.109 χ^2/NDF : 24.0/19

+ sign 0.013 ± 0.017 χ^2/NDF : 97.6/37

All: 0.008 ± 0.012 χ^2/NDF : 137.7/76

- sign 0.003 ± 0.016 χ^2/NDF : 40.0/38

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 10841561.4/16

Left Out: 12058.869 $\pm$ 2.162 χ^2 /NDF: 441945.1/20

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11103320.8/18

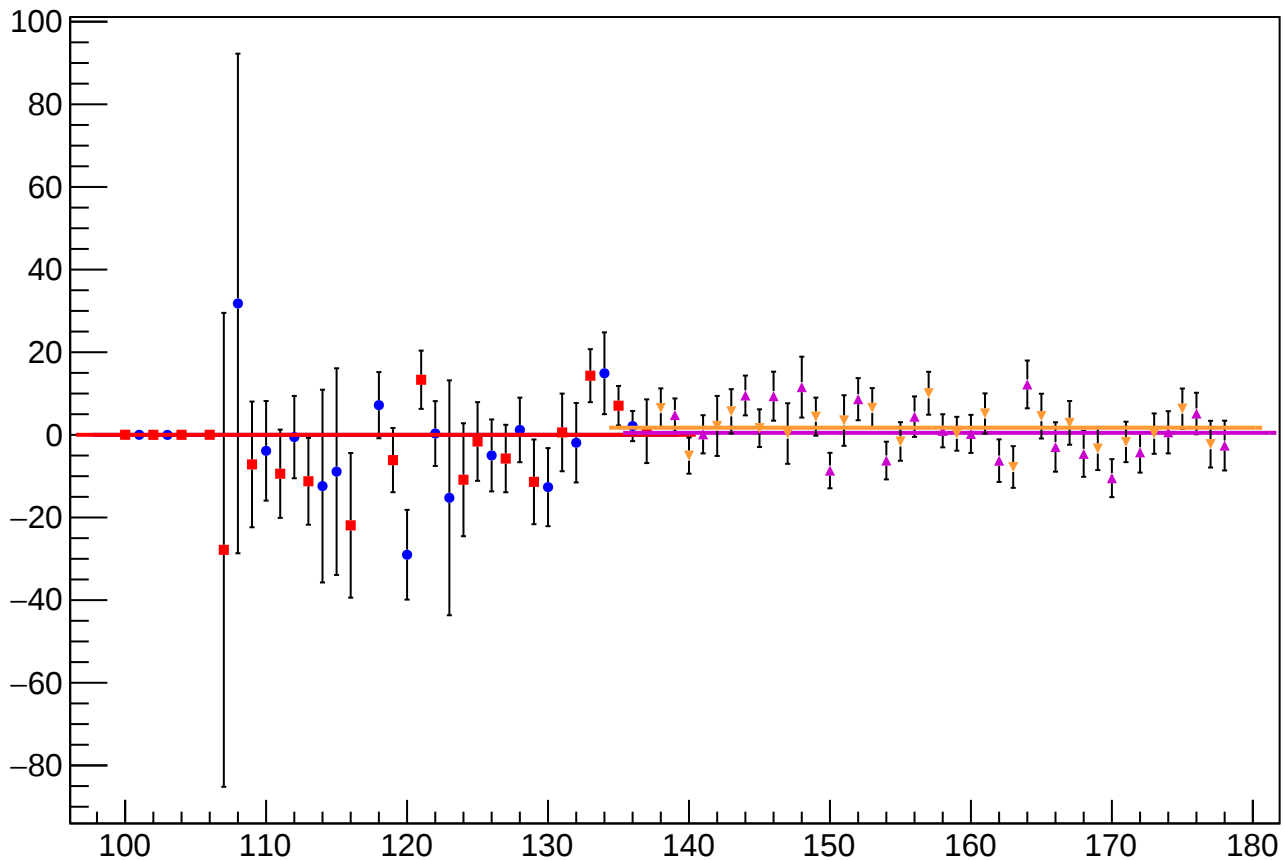
Left In: 12177.575 $\pm$ 2.198 χ^2 /NDF: 344660.4/19

+ sign 19.028 $\pm$ 0.012 χ^2 /NDF: 42288686.2/37

All: 18.817 $\pm$ 0.008 χ^2 /NDF: 84326486.8/76

- sign 18.636 $\pm$ 0.011 χ^2 /NDF: 42037252.2/38

diff_cav4bY_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 14.9/16

Left Out: 1.742 ± 1.103 χ^2/NDF : 15.9/20

Right Out: 0.014 ± 0.009 χ^2/NDF : 18.4/18

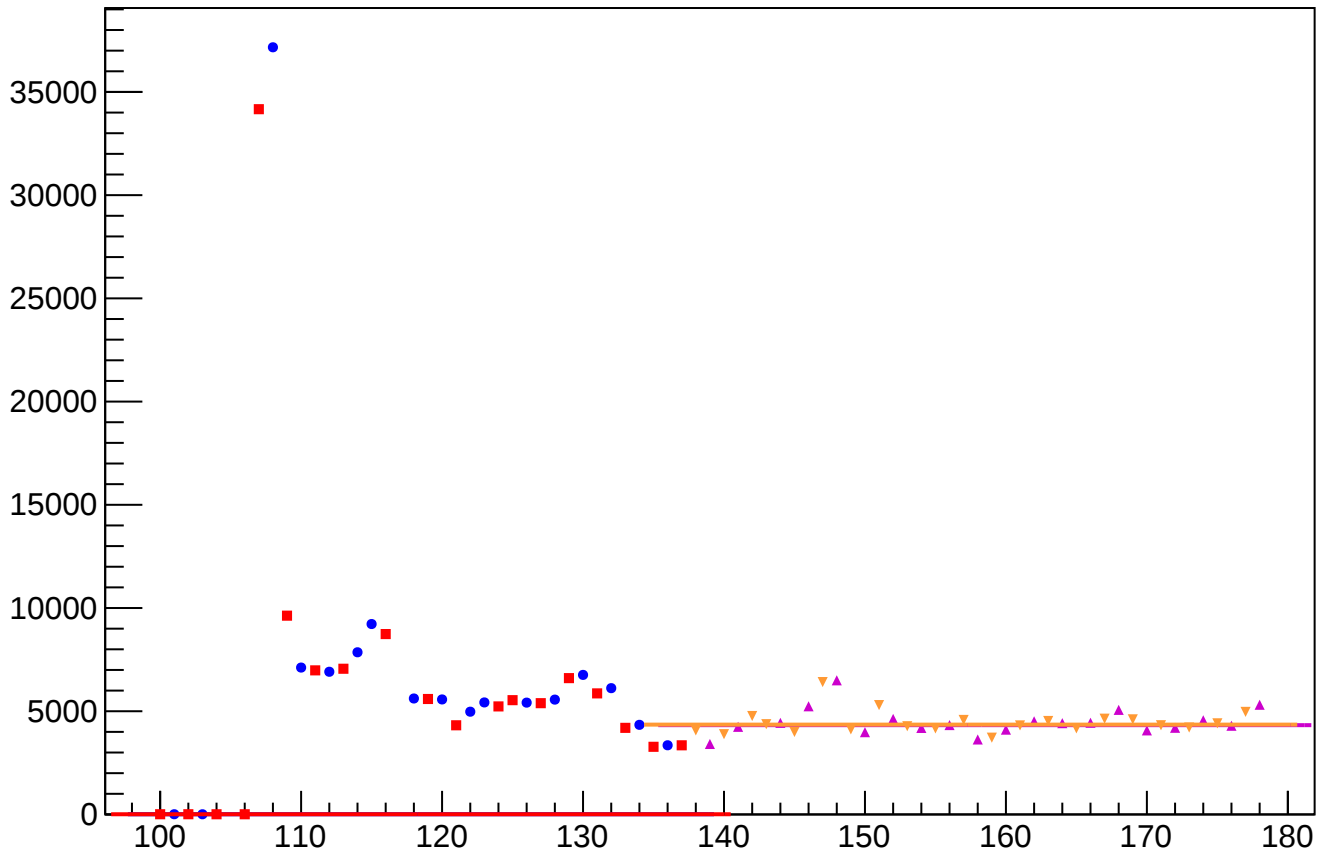
Left In: 0.493 ± 1.109 χ^2/NDF : 33.8/19

+ sign 0.001 ± 0.009 χ^2/NDF : 33.3/37

All: 0.008 ± 0.006 χ^2/NDF : 86.8/76

- sign 0.014 ± 0.009 χ^2/NDF : 52.4/38

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4351.736+/-0.780 χ^2/NDF : 355894.8/20

Right Out: 9.854+/-0.006 χ^2/NDF : 11152667.7/18

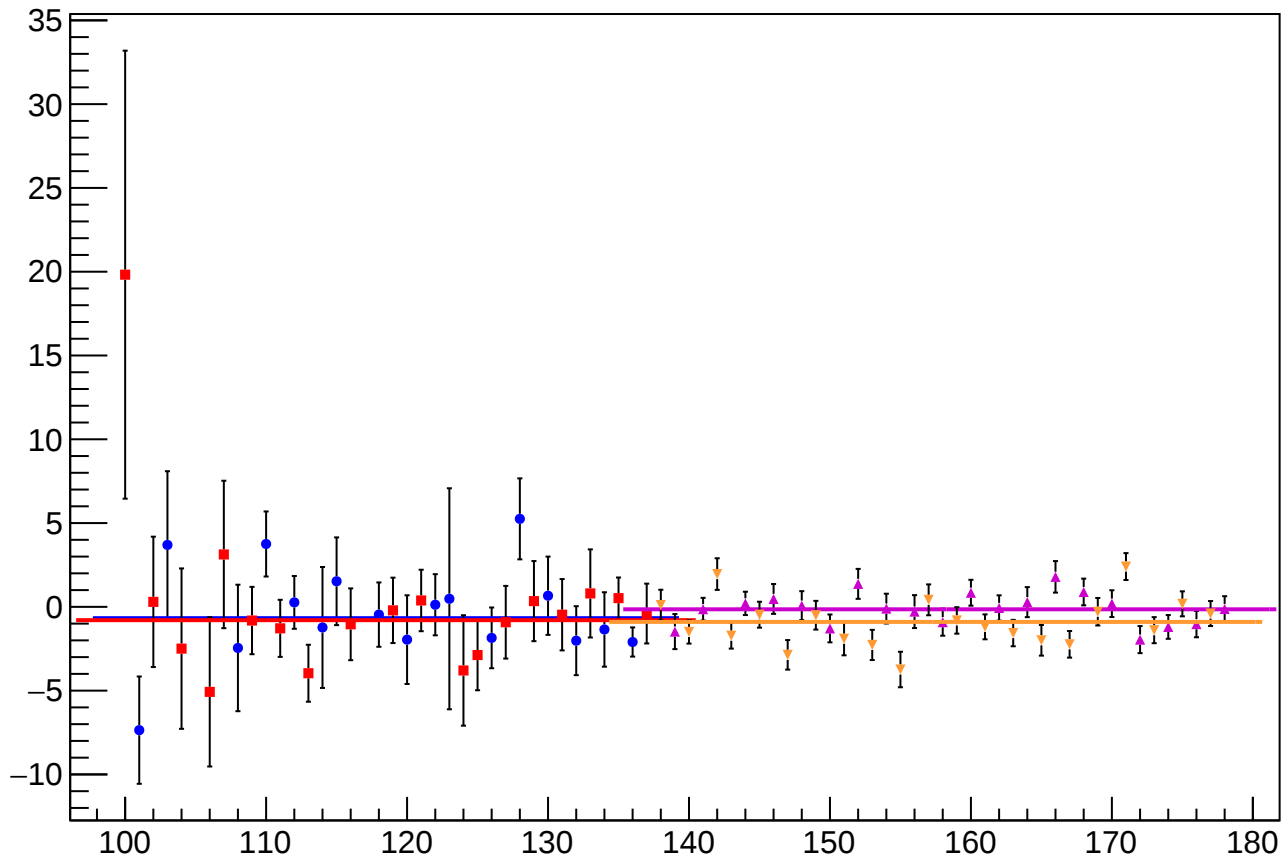
Left In: 4325.396+/-0.784 χ^2/NDF : 516546.0/19

+ sign 10.240+/-0.007 χ^2/NDF : 42311694.3/37

All: 10.175+/-0.004 χ^2/NDF : 84249432.8/76

- sign 10.117+/-0.006 χ^2/NDF : 41937547.5/38

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.898 ± 0.180 χ^2/NDF : 55.9/20

Right Out: -0.795 ± 0.501 χ^2/NDF : 12.0/18

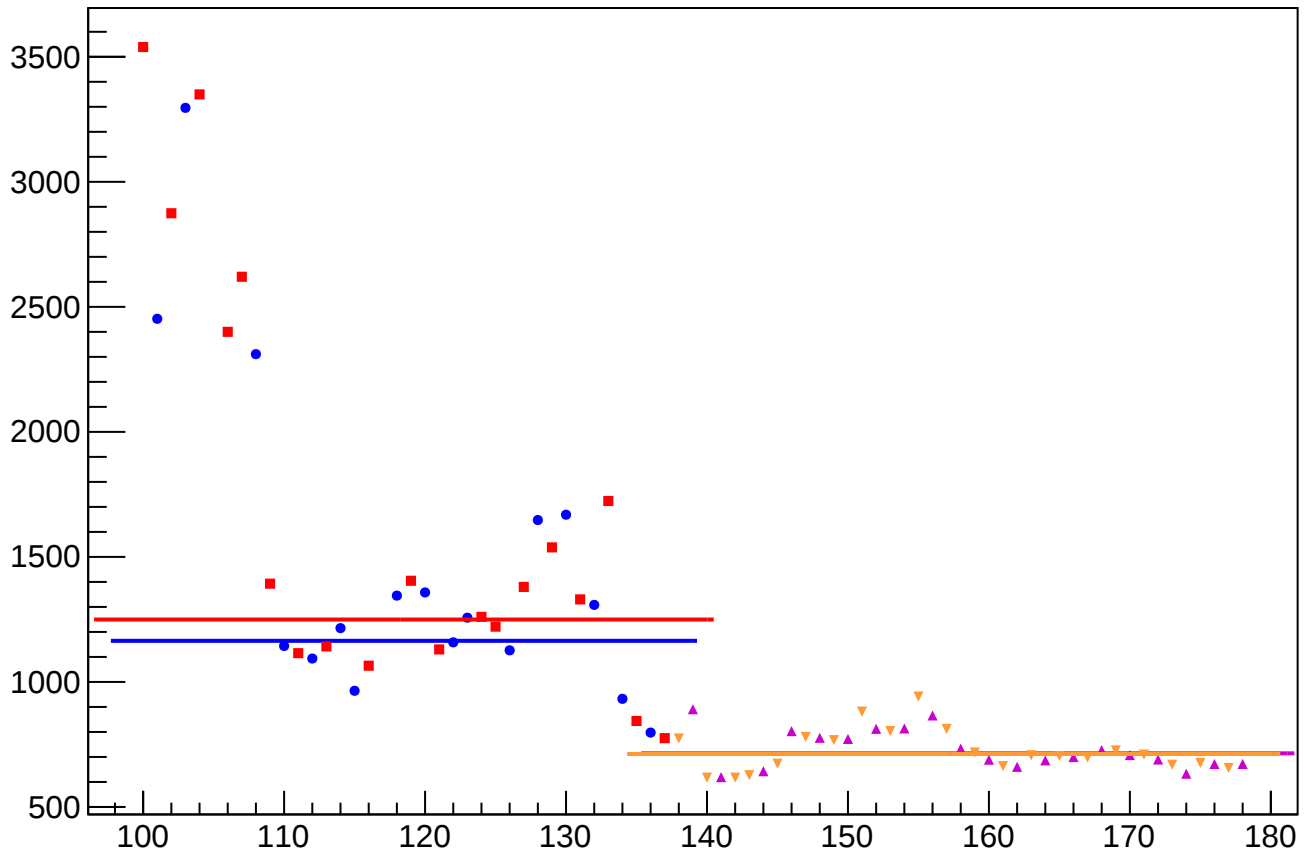
Left In: -0.146 ± 0.182 χ^2/NDF : 24.6/19

+ sign -0.871 ± 0.169 χ^2/NDF : 78.4/37

All: -0.551 ± 0.120 χ^2/NDF : 123.7/76

- sign -0.222 ± 0.171 χ^2/NDF : 38.0/38

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 711.900 $\pm$ 0.127 χ^2 /NDF: 344806.2/20

Right Out: 1249.596 $\pm$ 0.354 χ^2 /NDF: 1650133.1/18

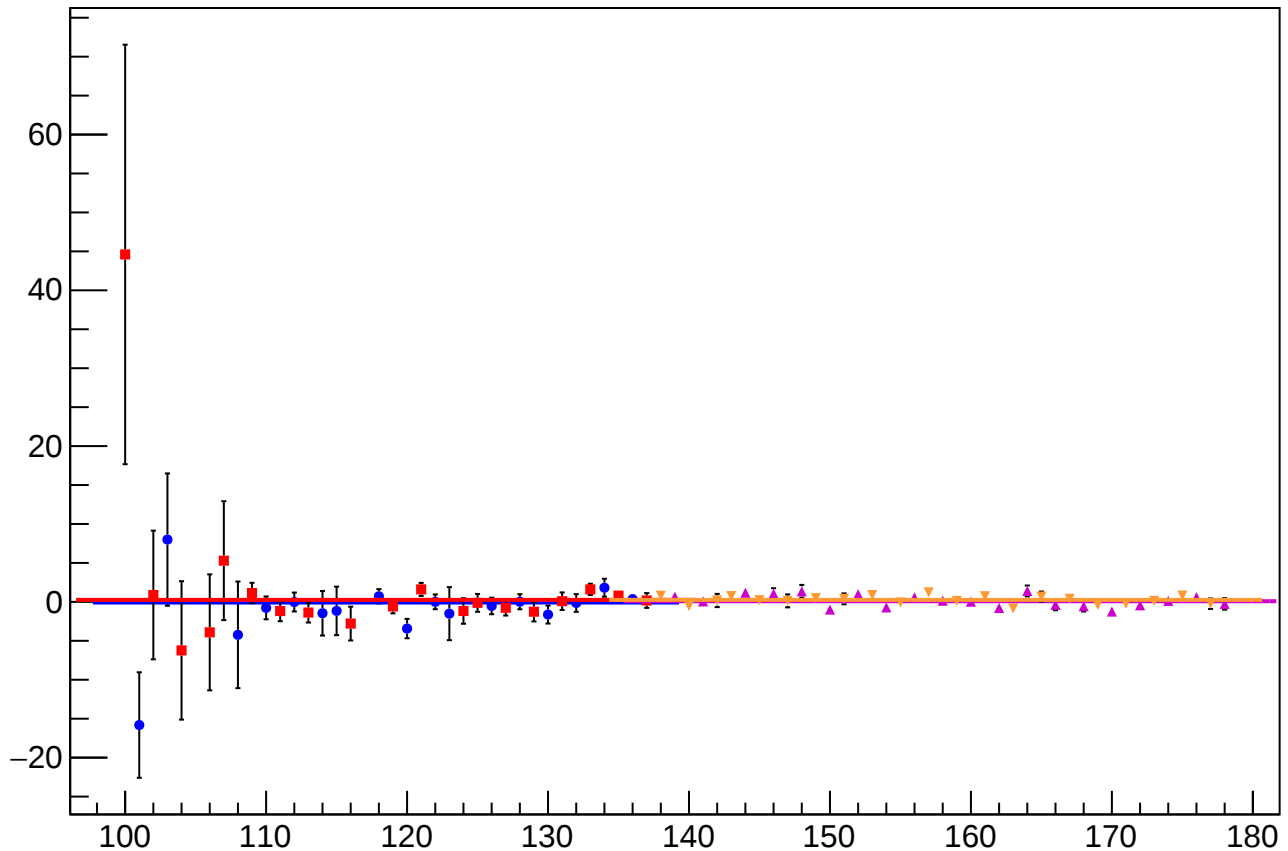
Left In: 714.460 $\pm$ 0.129 χ^2 /NDF: 310681.2/19

+ sign 766.958 $\pm$ 0.119 χ^2 /NDF: 3464013.4/37

All: 771.880 $\pm$ 0.085 χ^2 /NDF: 7441324.2/76

- sign 776.945 $\pm$ 0.121 χ^2 /NDF: 3973862.8/38

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.251 ± 0.132 χ^2/NDF : 15.5/20

Right Out: 0.259 ± 0.264 χ^2/NDF : 20.4/18

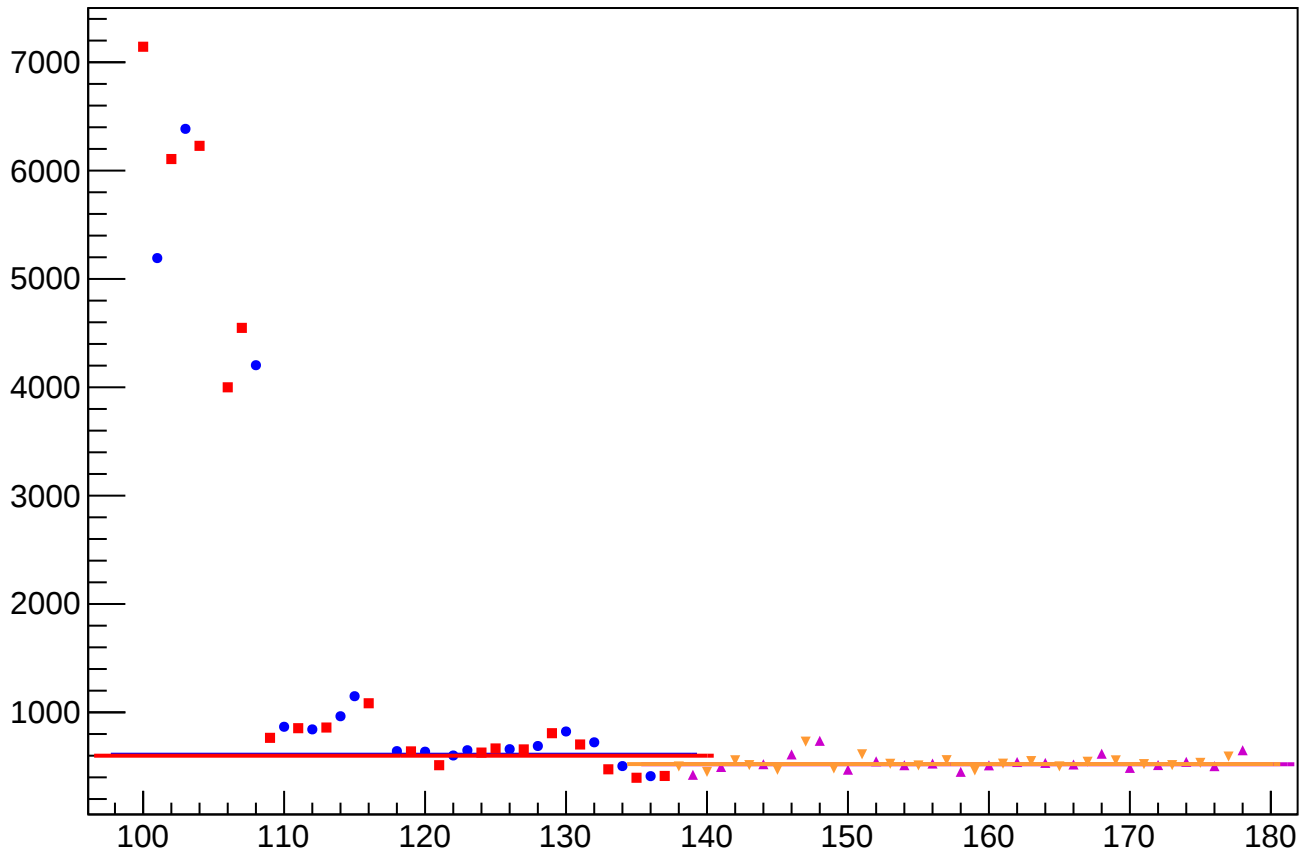
Left In: 0.084 ± 0.133 χ^2/NDF : 33.2/19

+ sign 0.186 ± 0.119 χ^2/NDF : 37.8/37

All: 0.153 ± 0.084 χ^2/NDF : 92.0/76

- sign 0.119 ± 0.119 χ^2/NDF : 54.0/38

diff_cav4cY_rms vs Slug



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 522.486 $\pm$ 0.094 χ^2 /NDF:305707.3/20

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

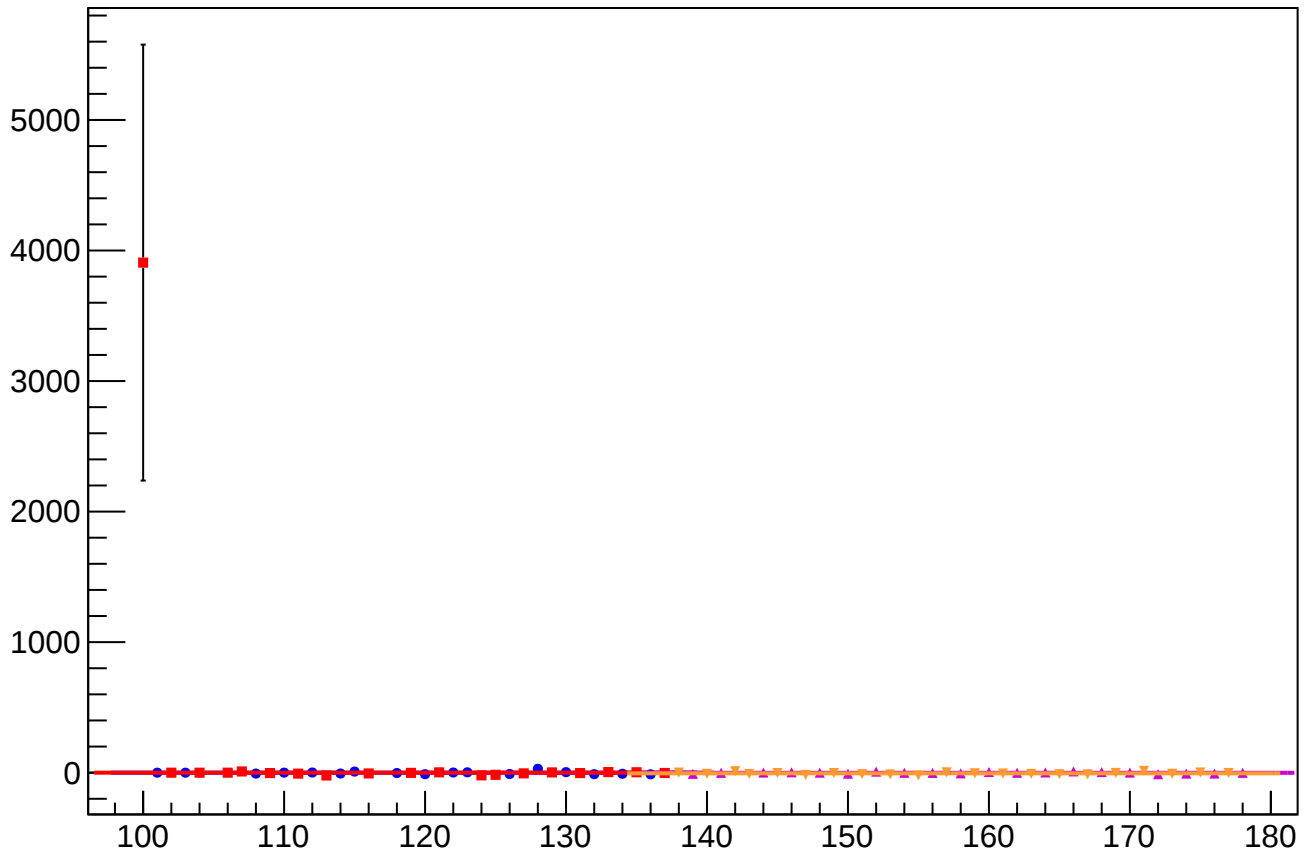
Left In: 520.852 $\pm$ 0.094 χ^2 /NDF:431009.7/19

+ sign 539.223 $\pm$ 0.084 χ^2 /NDF: 3610432.3/37

All: 538.060 $\pm$ 0.059 χ^2 /NDF: 7732032.2/76

- sign 536.891 $\pm$ 0.084 χ^2 /NDF: 4121215.3/38

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -5.172 ± 1.048 χ^2/NDF : 55.8/20

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.3/18

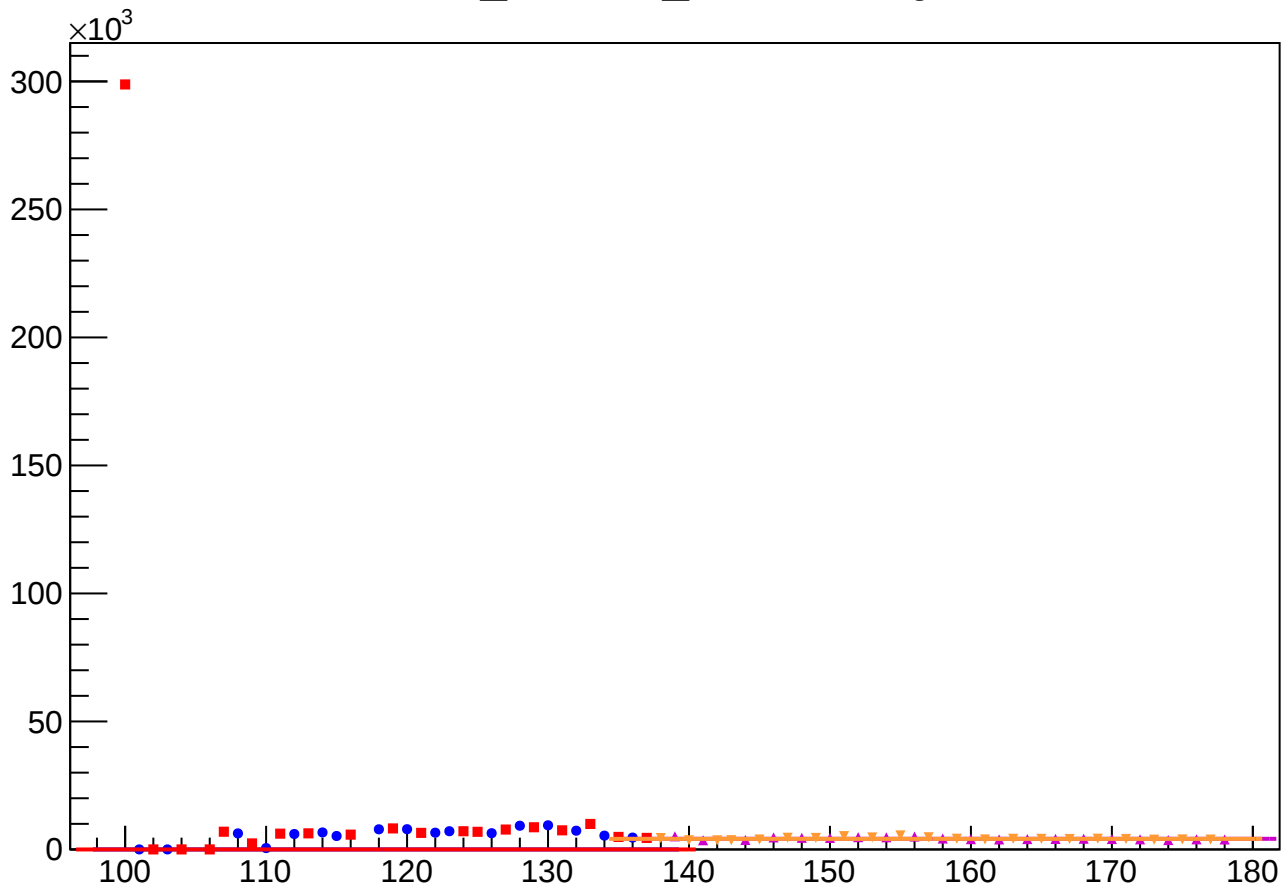
Left In: -0.907 ± 1.062 χ^2/NDF : 24.7/19

+ sign -0.024 ± 0.021 χ^2/NDF : 95.2/37

All: -0.025 ± 0.014 χ^2/NDF : 137.9/76

- sign -0.027 ± 0.020 χ^2/NDF : 42.6/38

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4140.220 $\pm$ 0.741 χ^2 /NDF: 365837.0/20

Right Out: 17.268 $\pm$ 0.014 χ^2 /NDF: 10813350.8/18

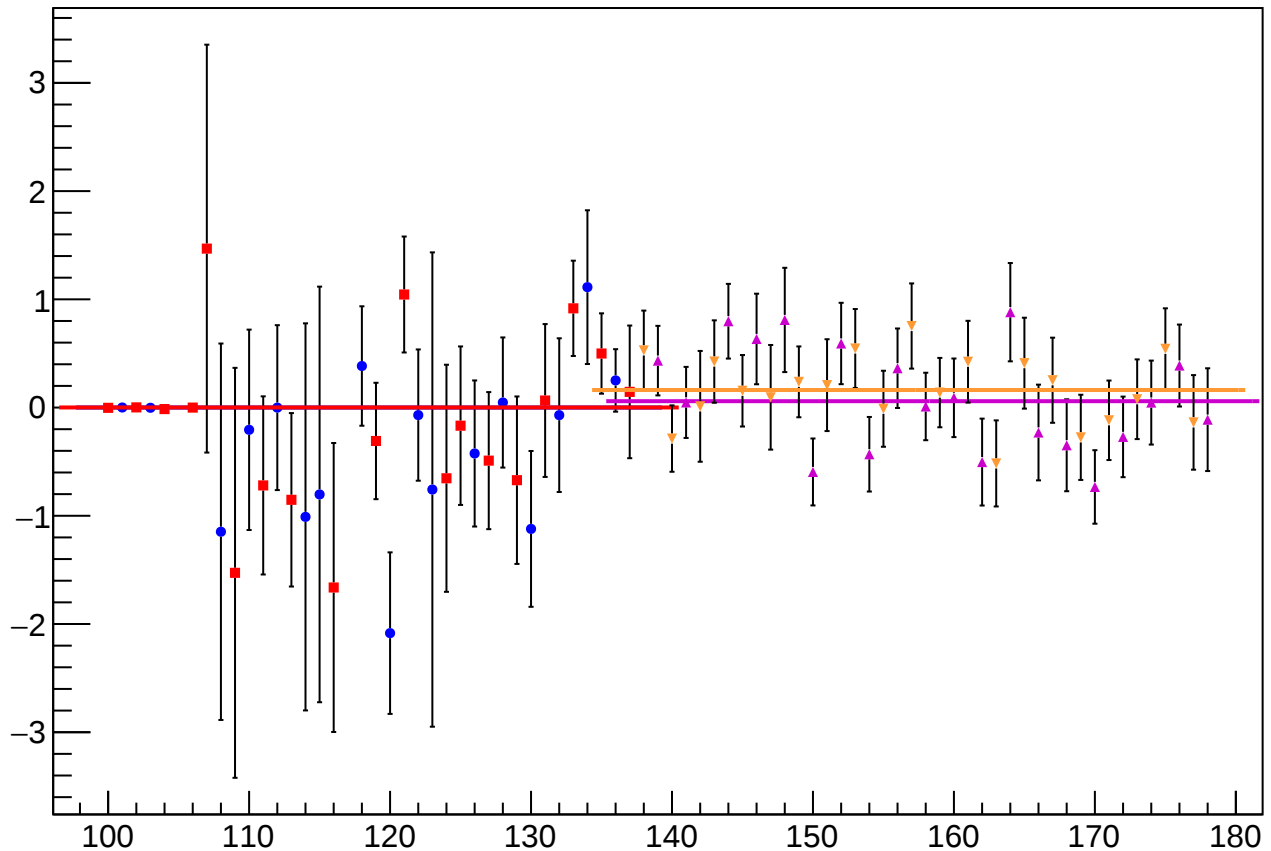
Left In: 4161.122 $\pm$ 0.751 χ^2 /NDF: 320938.9/19

+ sign 18.959 $\pm$ 0.015 χ^2 /NDF: 41649917.4/37

All: 18.826 $\pm$ 0.010 χ^2 /NDF: 83239673.1/76

- sign 18.705 $\pm$ 0.014 χ^2 /NDF: 41589600.0/38

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.162 ± 0.082 χ^2/NDF : 14.6/20

Right Out: 0.001 ± 0.002 χ^2/NDF : 17.8/18

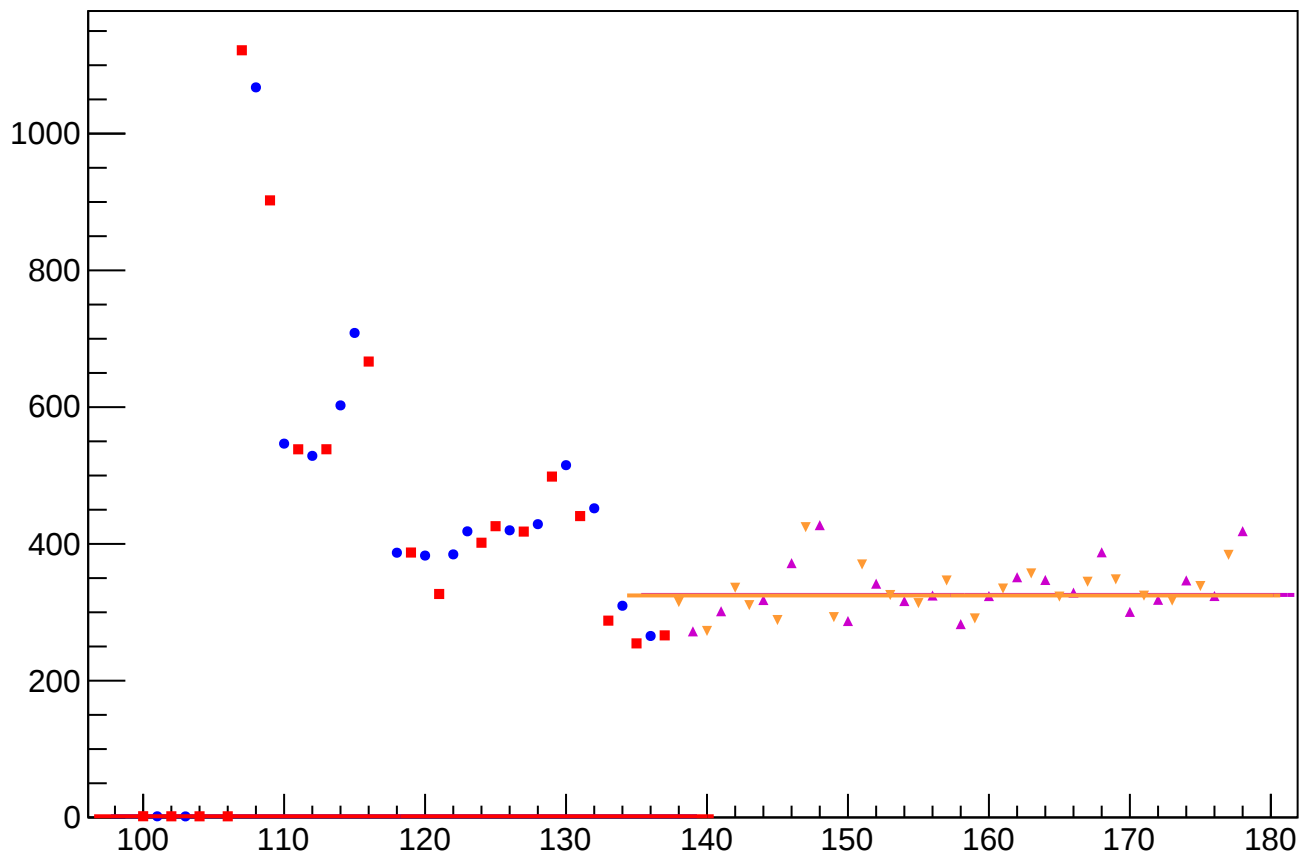
Left In: 0.059 ± 0.083 χ^2/NDF : 33.2/19

+ sign 0.000 ± 0.002 χ^2/NDF : 34.1/37

All: 0.001 ± 0.001 χ^2/NDF : 85.6/76

- sign 0.001 ± 0.002 χ^2/NDF : 51.5/38

diff_cav4dY_rms vs Slug



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 324.636 $\pm$ 0.058 χ^2 /NDF: 310521.8/20

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

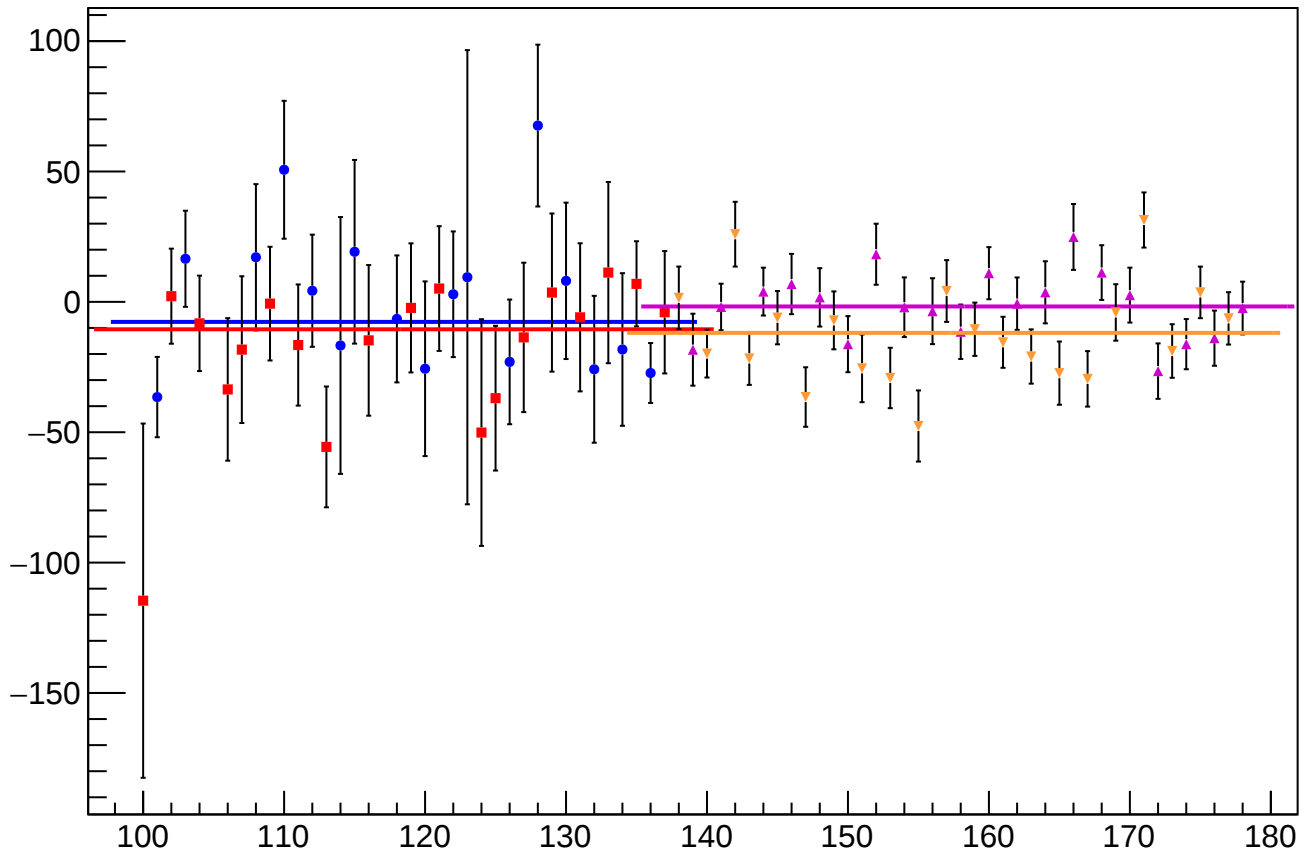
Left In: 325.395 $\pm$ 0.059 χ^2 /NDF: 404622.2/19

+ sign 1.894 $\pm$ 0.001 χ^2 /NDF: 42070456.2/37

All: 1.899 $\pm$ 0.001 χ^2 /NDF: 83420705.2/76

- sign 1.904 $\pm$ 0.001 χ^2 /NDF: 41350226.4/38

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -11.894 ± 2.369 χ^2/NDF : 55.2/20

Right Out: -10.524 ± 5.682 χ^2/NDF : 11.9/18

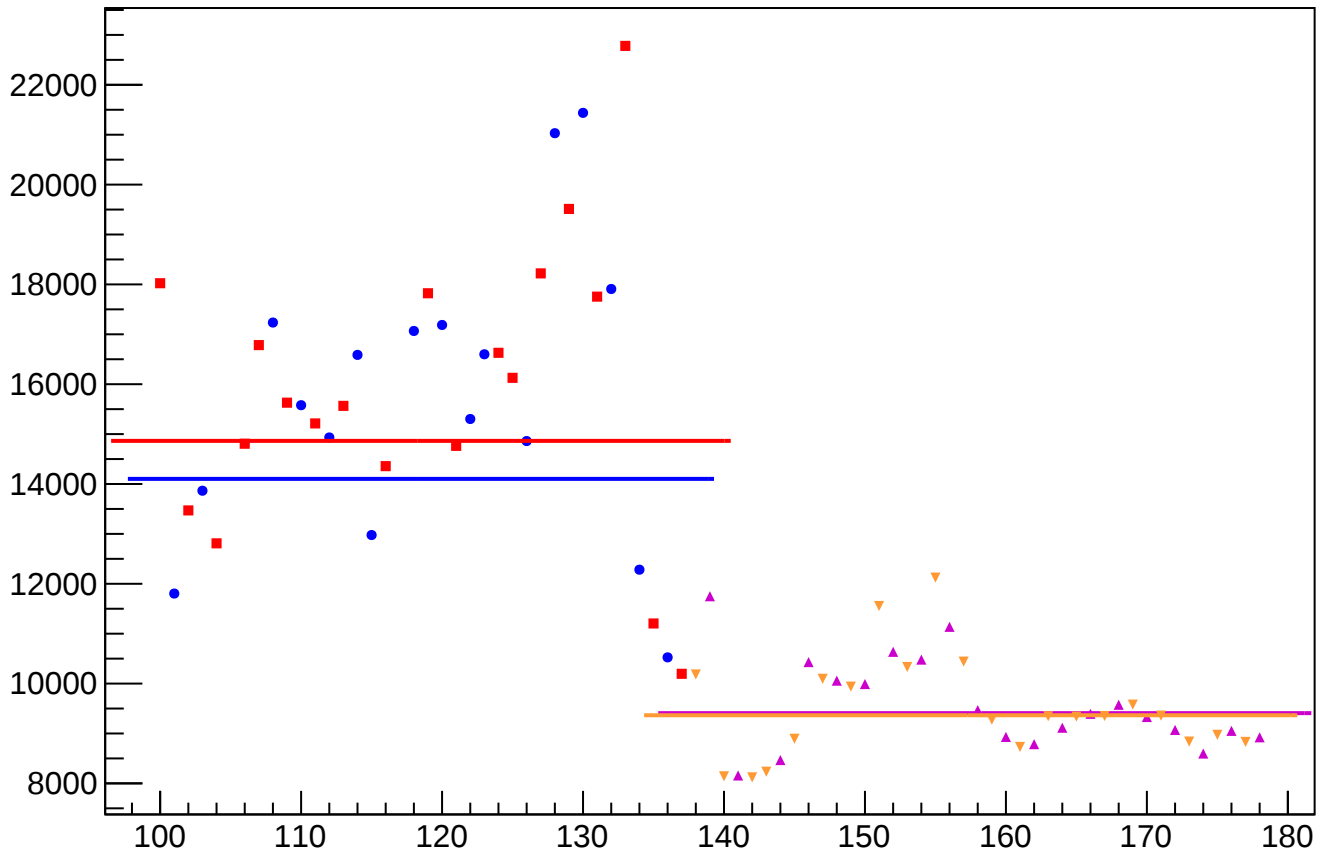
Left In: -1.767 ± 2.398 χ^2/NDF : 25.1/19

+ sign -11.260 ± 2.183 χ^2/NDF : 78.0/37

All: -7.224 ± 1.553 χ^2/NDF : 123.9/76

- sign -3.091 ± 2.209 χ^2/NDF : 39.0/38

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9365.132+/-1.675 χ^2/NDF : 300190.8/20

Right Out: 14864.163+/-4.018 χ^2/NDF : 470280.3/18

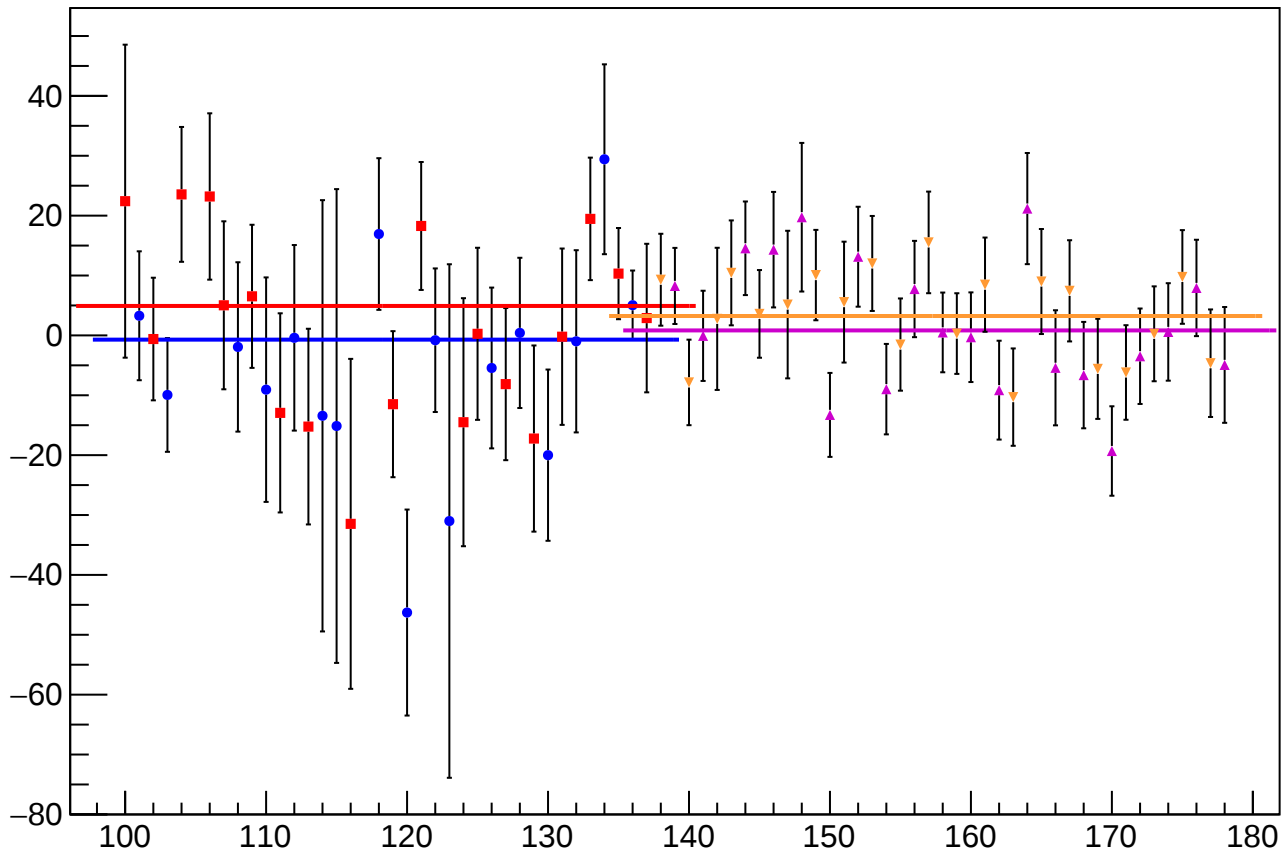
Left In: 9407.596+/-1.696 χ^2/NDF : 260418.4/19

+ sign 10078.114+/-1.544 χ^2/NDF : 2103287.2/37

All: 10154.398+/-1.098 χ^2/NDF : 4404394.4/7

- sign 10232.533+/-1.562 χ^2/NDF : 2296163.7/38

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 3.238 ± 1.792 χ^2/NDF : 16.6/20

Right Out: 4.918 ± 2.940 χ^2/NDF : 19.8/18

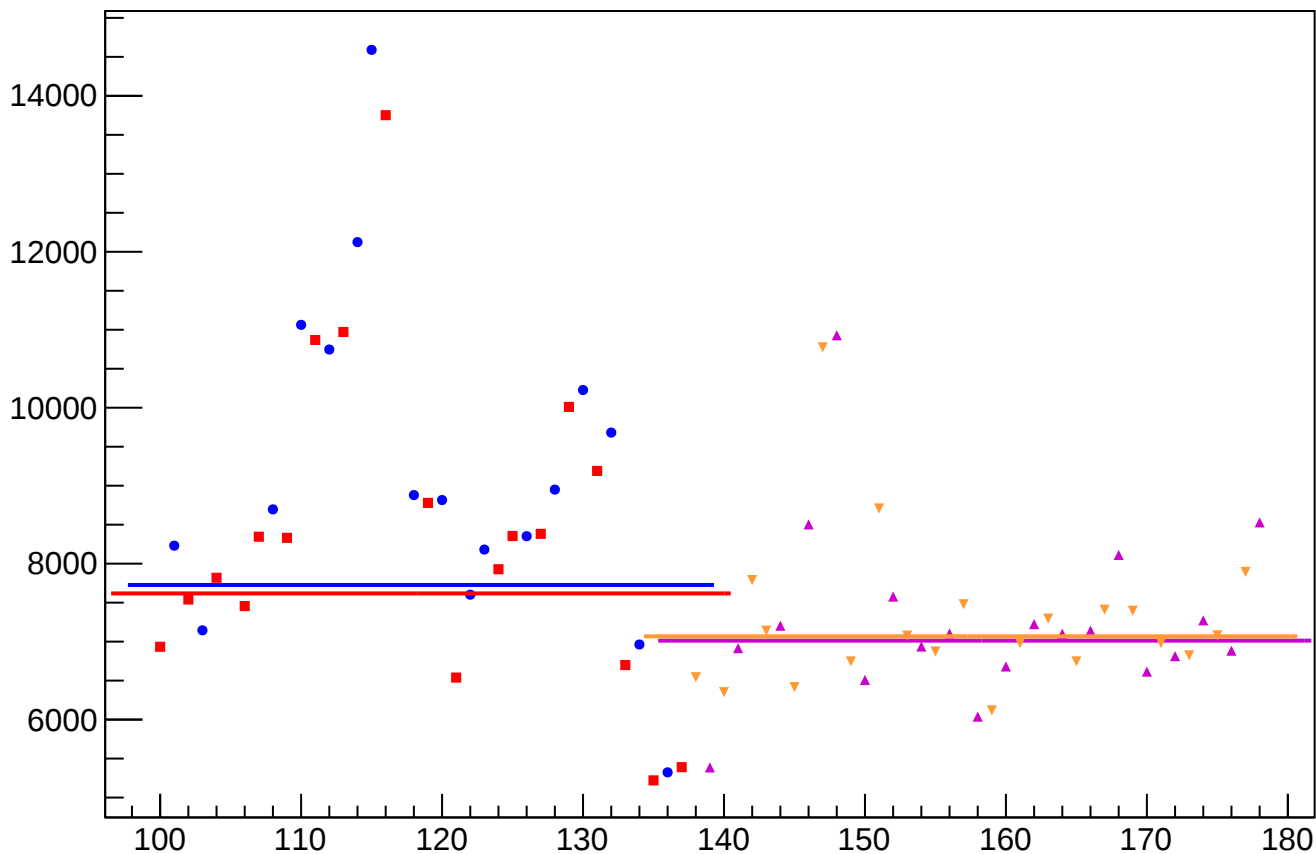
Left In: 0.831 ± 1.800 χ^2/NDF : 33.5/19

+ sign 2.242 ± 1.550 χ^2/NDF : 35.3/37

All: 2.092 ± 1.090 χ^2/NDF : 90.0/76

- sign 1.946 ± 1.535 χ^2/NDF : 54.7/38

diff_bpm4aY_rms vs Slug



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 7067.894+/-1.267 χ^2/NDF : 365761.6/20

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

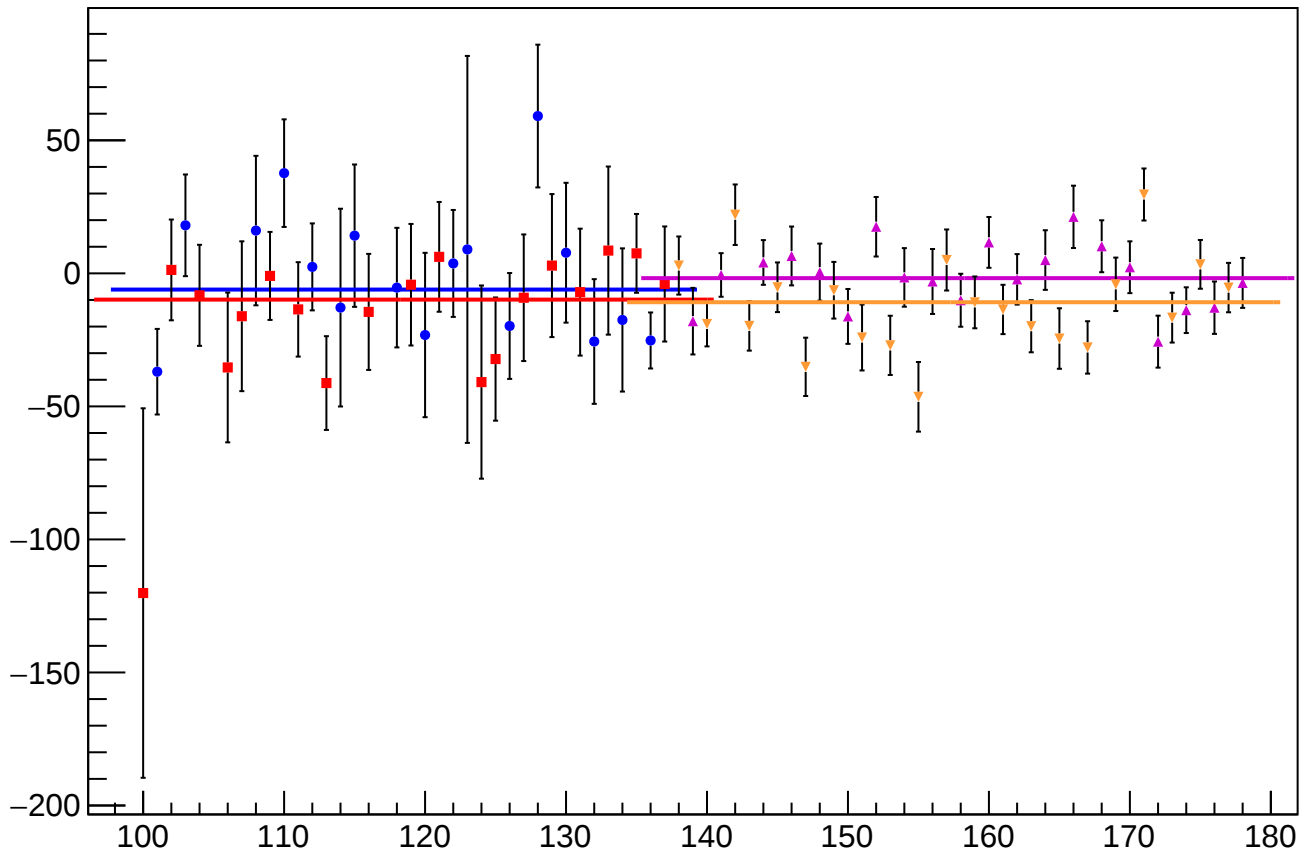
Left In: 7012.910+/-1.273 χ^2/NDF : 537421.9/19

+ sign 7234.270+/-1.096 χ^2/NDF : 1176525.7/37

All: 7205.833+/-0.771 χ^2/NDF : 2452089.9/76

- sign 7177.933+/-1.085 χ^2/NDF : 1274229.8/38

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -10.851 ± 2.212 χ^2/NDF : 55.9/20

Right Out: -9.864 ± 5.004 χ^2/NDF : 11.6/18

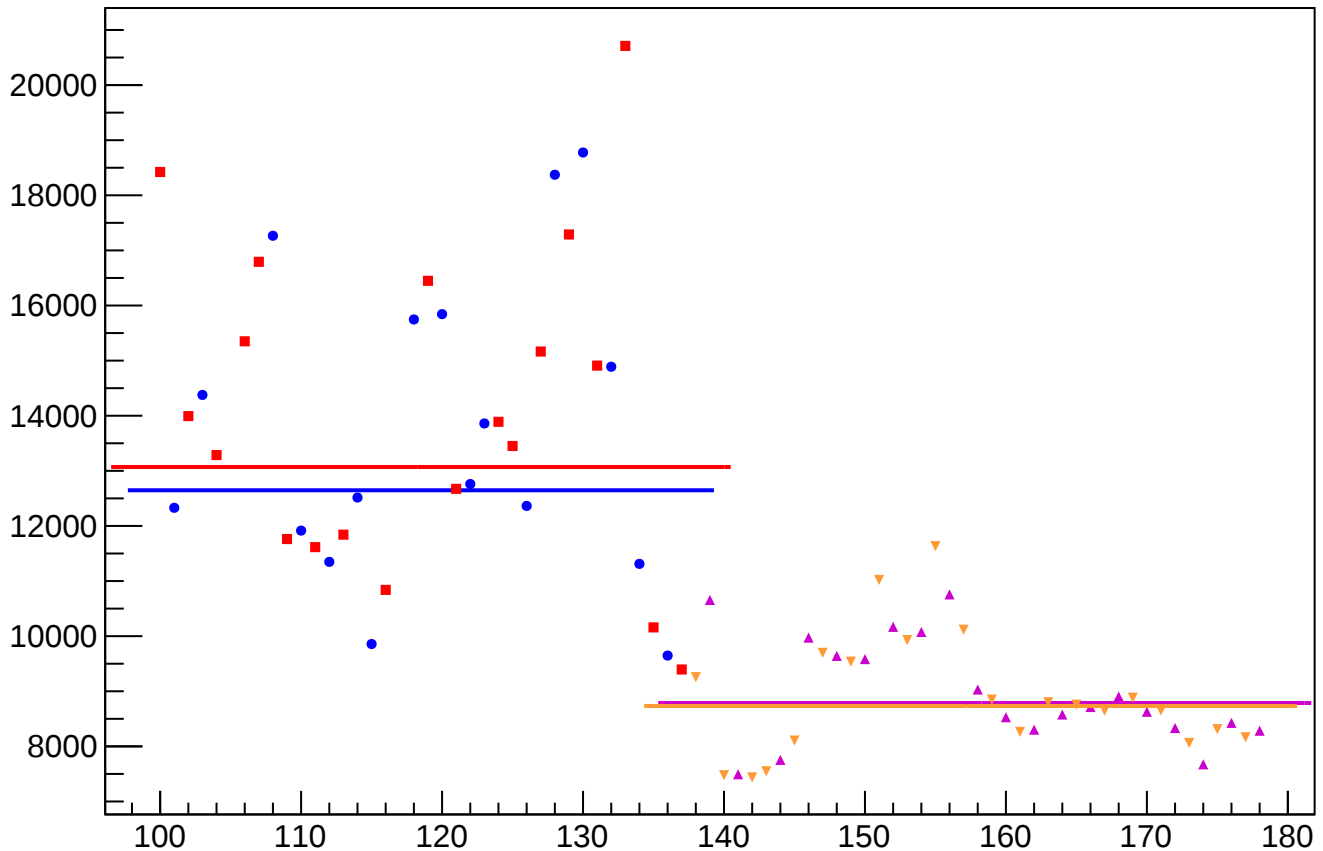
Left In: -1.799 ± 2.243 χ^2/NDF : 25.6/19

+ sign -10.081 ± 2.025 χ^2/NDF : 79.5/37

All: -6.651 ± 1.440 χ^2/NDF : 124.7/76

- sign -3.149 ± 2.046 χ^2/NDF : 39.4/38

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8733.332+/-1.564 χ^2/NDF : 390277.1/20

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

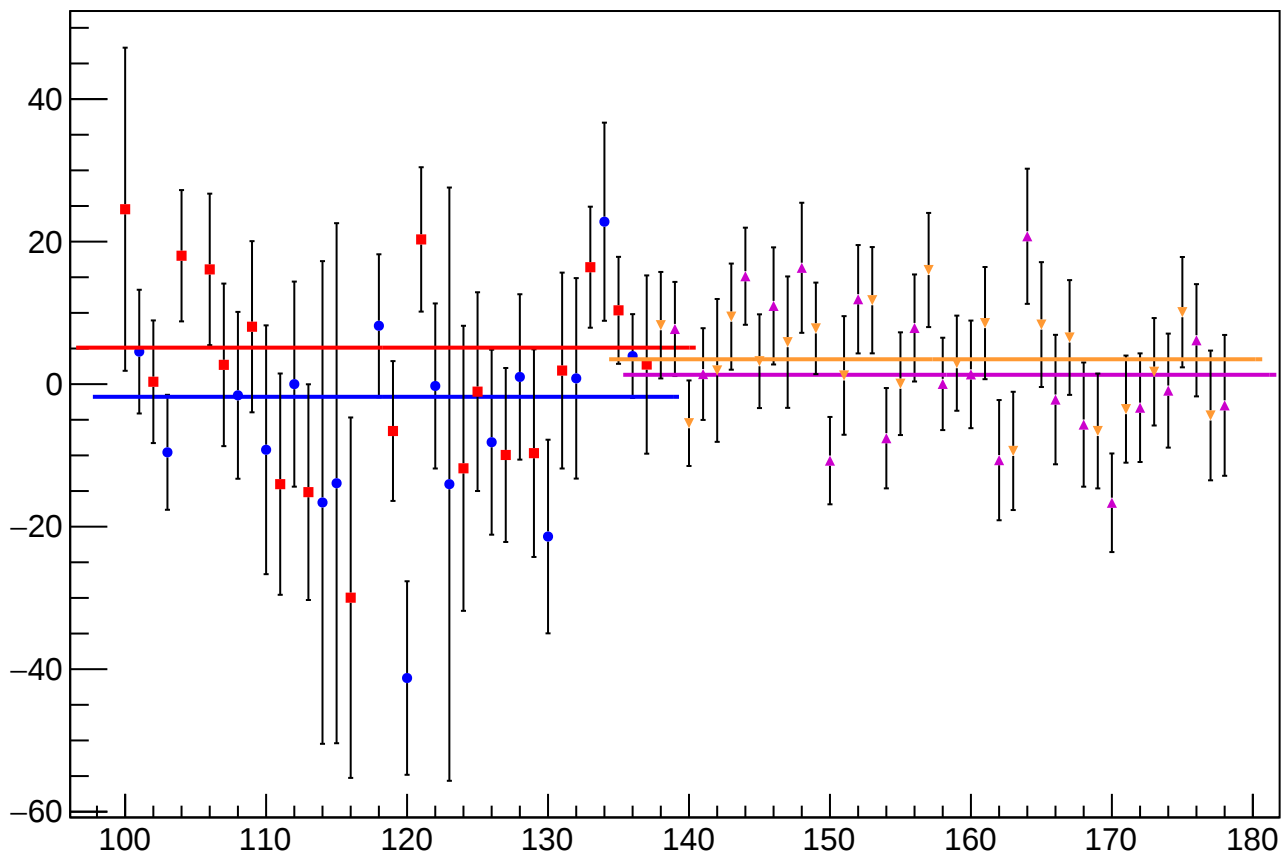
Left In: 8787.019+/-1.586 χ^2/NDF : 338287.0/19

+ sign 9366.887+/-1.432 χ^2/NDF : 1958023.3/37

All: 9434.479+/-1.018 χ^2/NDF : 4017342.7/76

- sign 9503.497+/-1.447 χ^2/NDF : 2054816.8/38

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 3.491 ± 1.664 χ^2/NDF : 15.1/20

Right Out: 5.122 ± 2.642 χ^2/NDF : 18.9/18

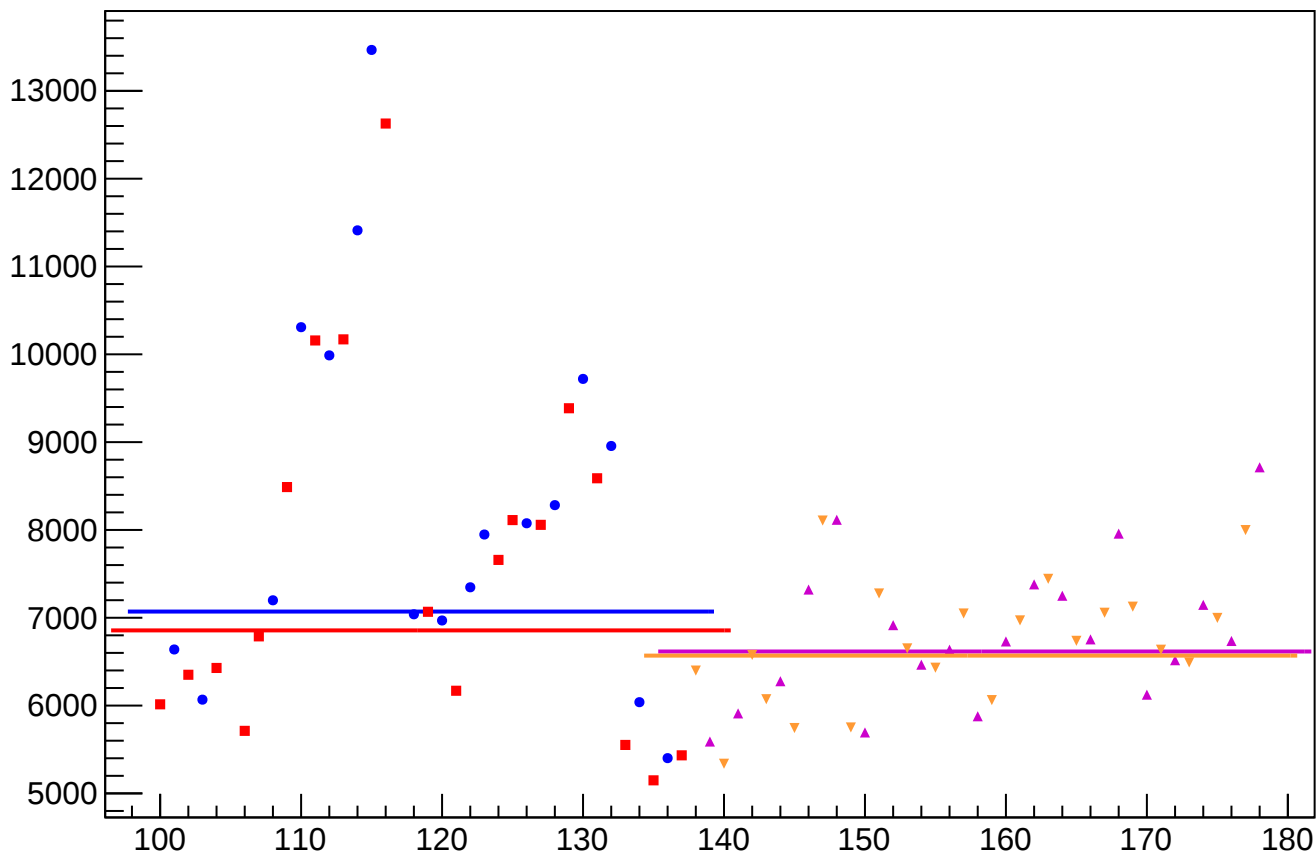
Left In: 1.312 ± 1.692 χ^2/NDF : 32.1/19

+ sign 2.120 ± 1.431 χ^2/NDF : 35.7/37

All: 2.271 ± 1.010 χ^2/NDF : 88.2/76

- sign 2.421 ± 1.425 χ^2/NDF : 52.5/38

diff_bpm4eY_rms vs Slug



Right In: 7070.672+/-1.984 χ^2/NDF : 601692.5/16

Left Out: 6568.937+/-1.177 χ^2/NDF : 348673.8/20

Right Out: 6856.136+/-1.868 χ^2/NDF : 682220.3/18

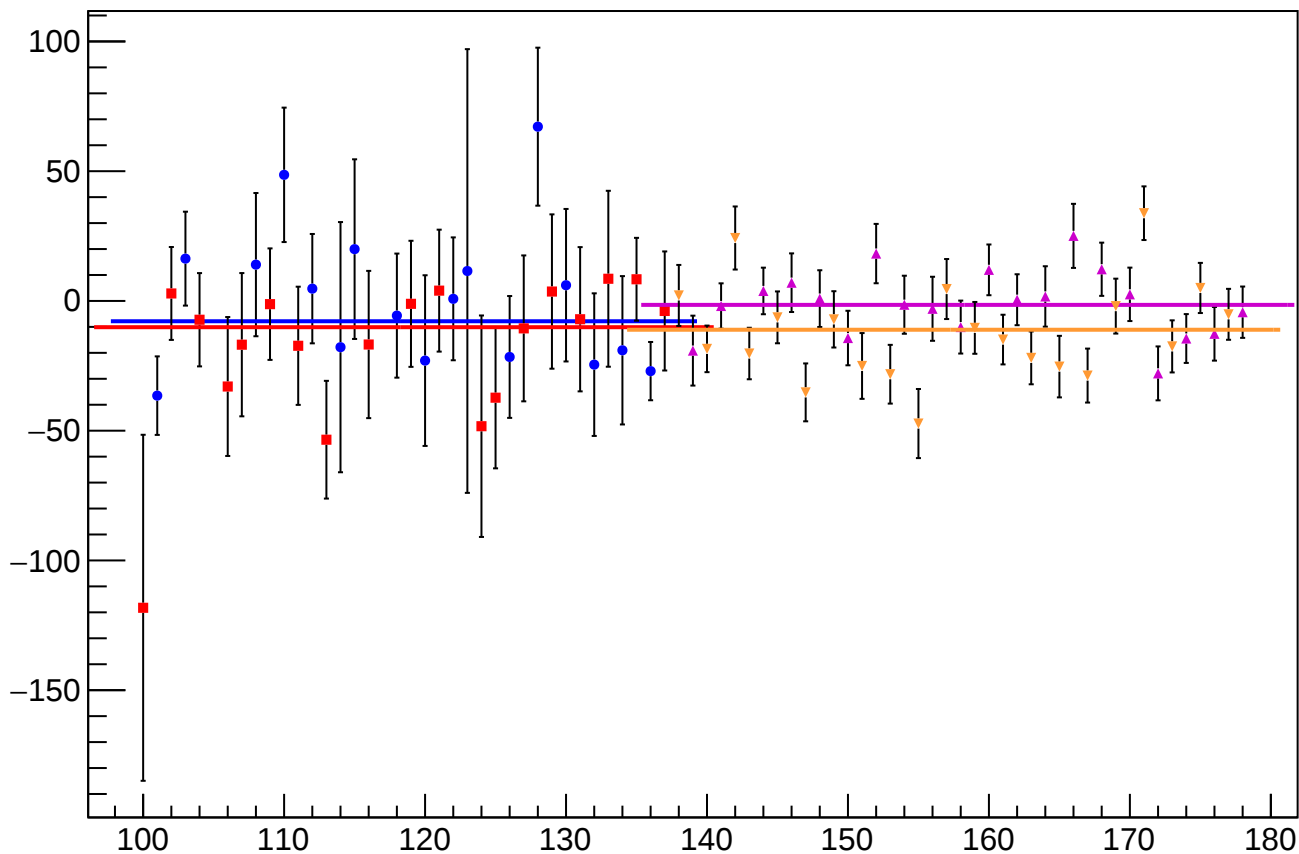
Left In: 6615.848+/-1.197 χ^2/NDF : 404592.9/19

+ sign 6699.510+/-1.012 χ^2/NDF : 997669.9/37

All: 6692.608+/-0.714 χ^2/NDF : 2096306.7/76

- sign 6685.766+/-1.008 χ^2/NDF : 1098544.1/38

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -11.099 ± 2.315 χ^2/NDF : 57.8/20

Right Out: -10.117 ± 5.571 χ^2/NDF : 12.2/18

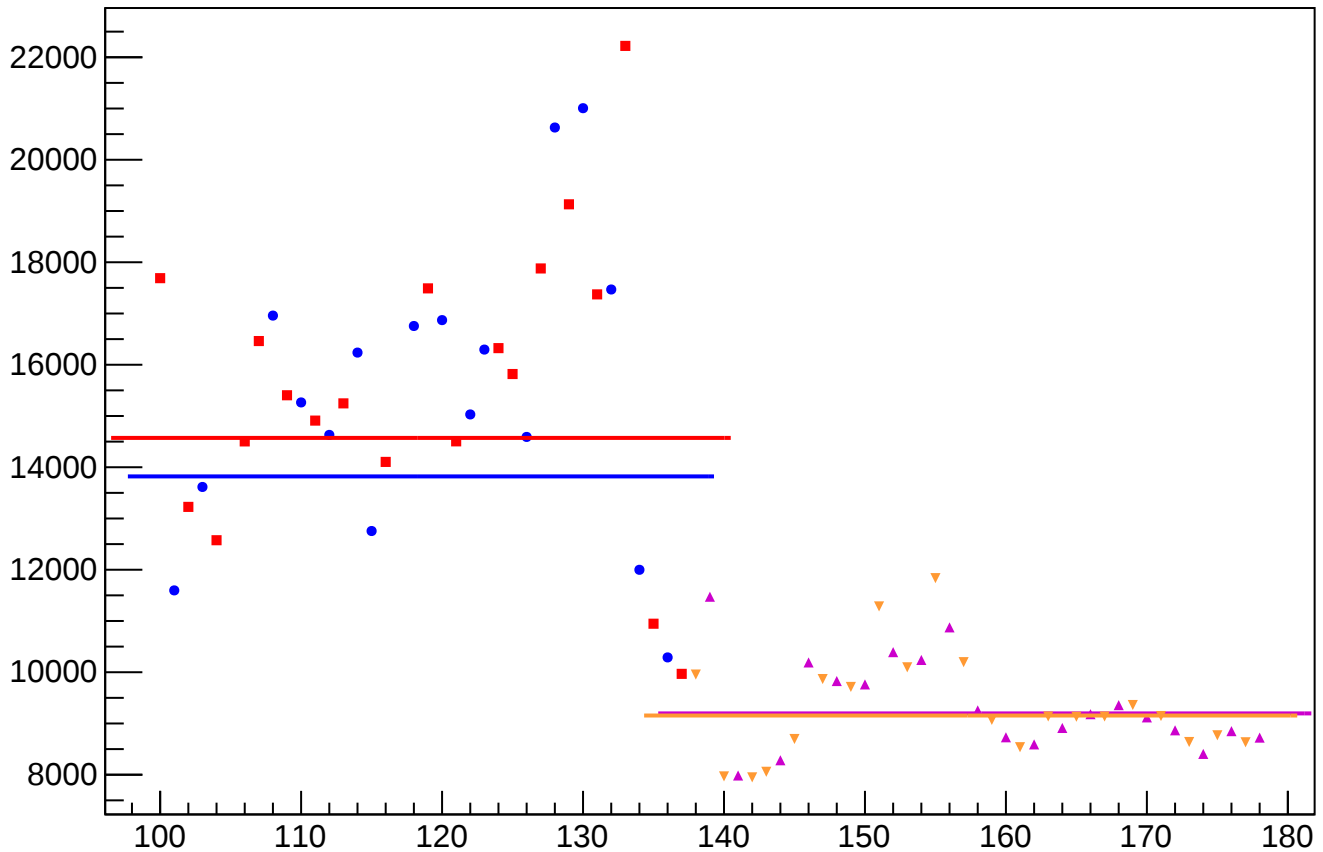
Left In: -1.518 ± 2.344 χ^2/NDF : 26.1/19

+ sign -10.608 ± 2.135 χ^2/NDF : 80.4/37

All: -6.757 ± 1.519 χ^2/NDF : 127.3/76

- sign -2.811 ± 2.161 χ^2/NDF : 40.3/38

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9155.347+/-1.637 χ^2/NDF : 297078.5/20

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

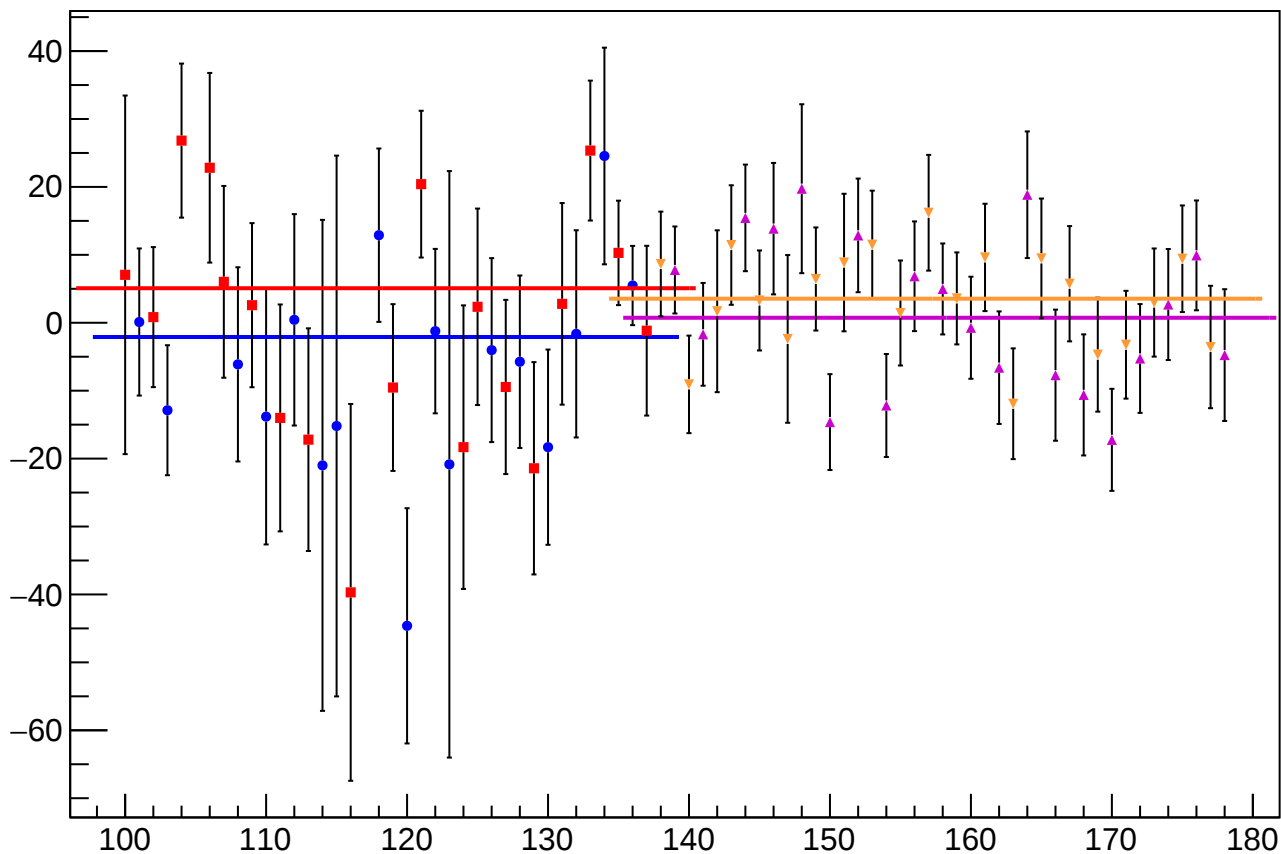
Left In: 9196.486+/-1.658 χ^2/NDF : 257562.9/19

+ sign 9854.301+/-1.510 χ^2/NDF : 2116500.0/37

All: 9928.781+/-1.074 χ^2/NDF : 4433650.4/70

- sign 10005.072+/-1.528 χ^2/NDF : 2312222.6/38

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 3.545 ± 1.800 χ^2/NDF : 15.9/20

Right Out: 5.085 ± 2.962 χ^2/NDF : 24.8/18

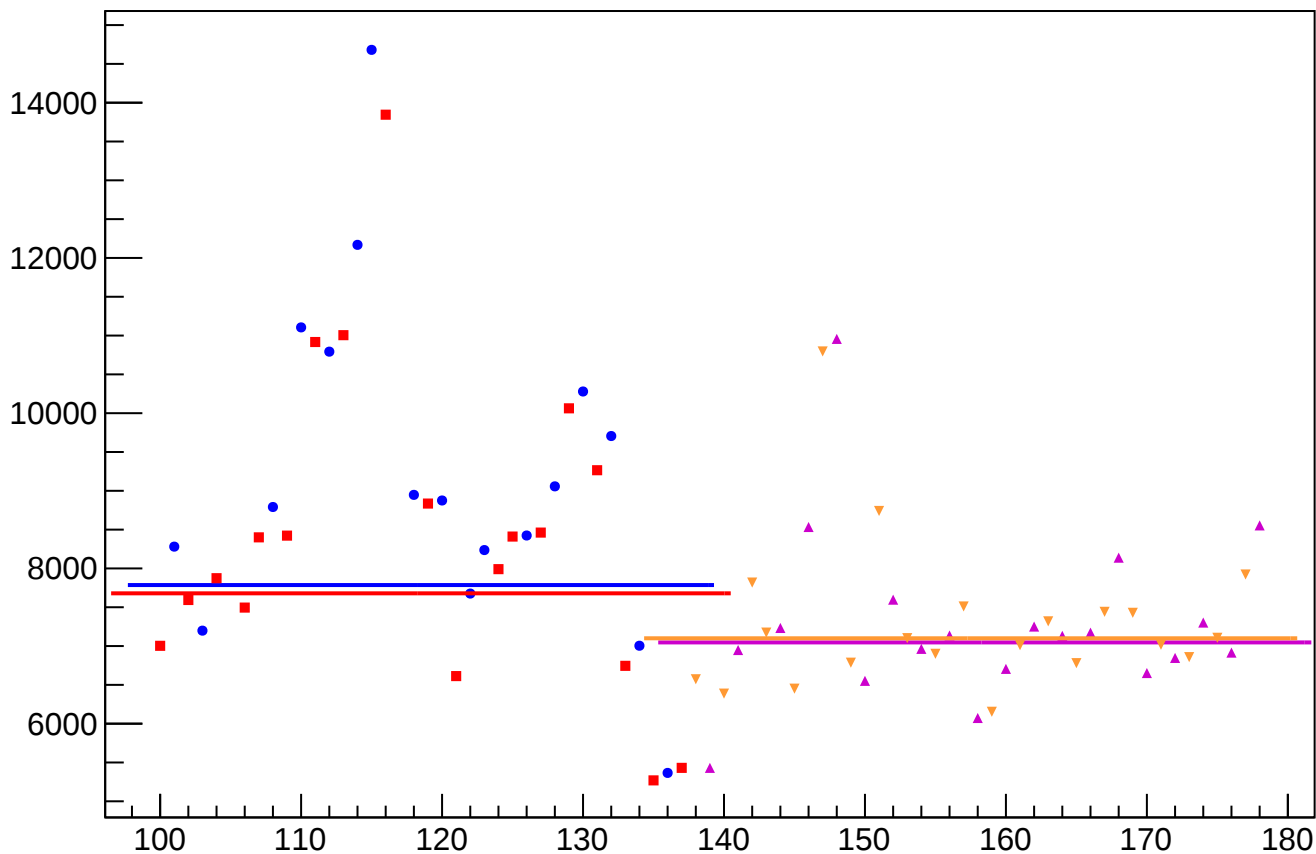
Left In: 0.736 ± 1.808 χ^2/NDF : 34.7/19

+ sign 2.126 ± 1.558 χ^2/NDF : 34.0/37

All: 2.020 ± 1.096 χ^2/NDF : 95.0/76

- sign 1.916 ± 1.543 χ^2/NDF : 61.0/38

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7100.076+/-1.273 χ^2/NDF : 361485.0/20

Right Out: 7679.182+/-2.095 χ^2/NDF : 668736.8/18

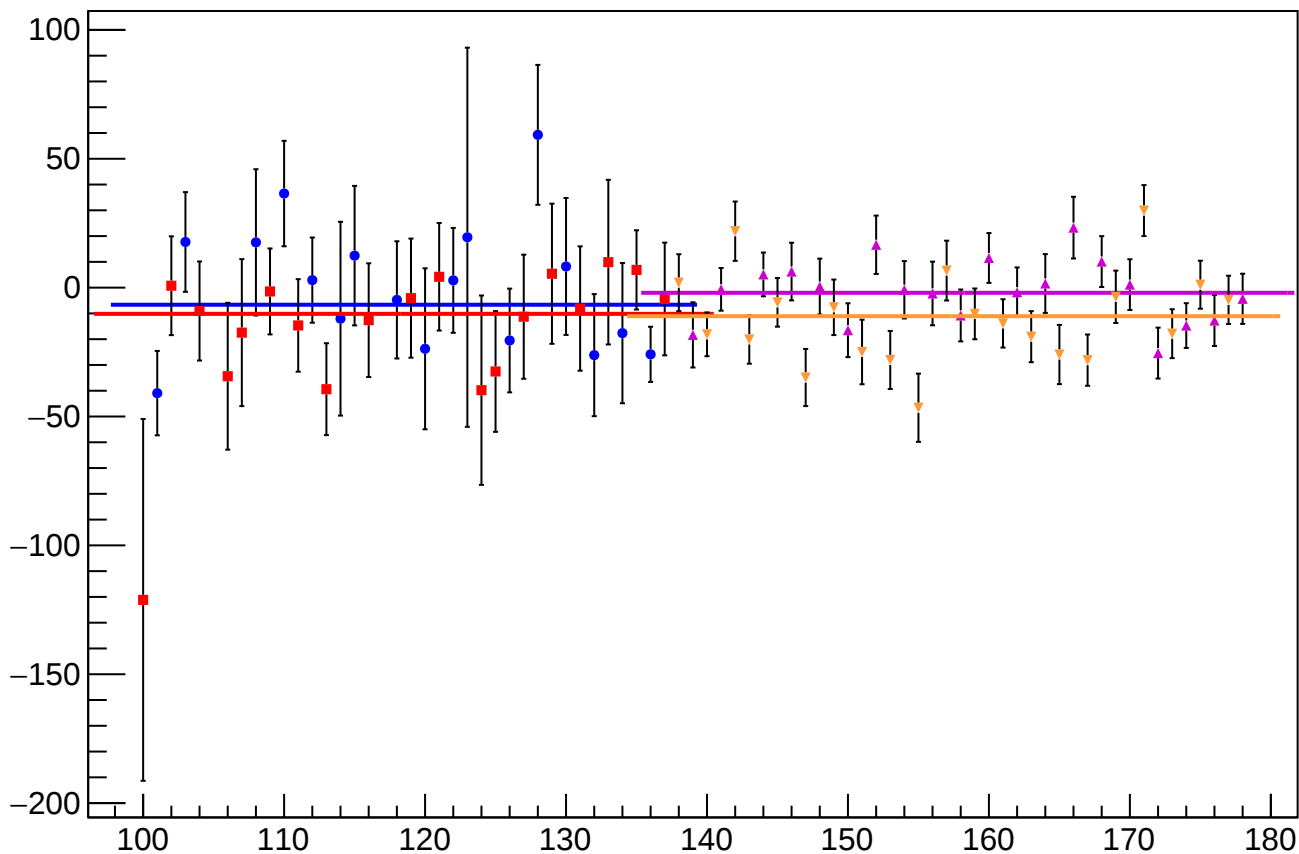
Left In: 7046.804+/-1.278 χ^2/NDF : 528391.4/19

+ sign 7272.487+/-1.101 χ^2/NDF : 1172569.5/37

All: 7245.215+/-0.775 χ^2/NDF : 2437323.2/76

- sign 7218.440+/-1.091 χ^2/NDF : 1263538.4/38

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -11.076 ± 2.237 $\chi^2/\text{NDF}: 55.1/20$

Right Out: -10.172 ± 5.075 $\chi^2/\text{NDF}: 10.8/18$

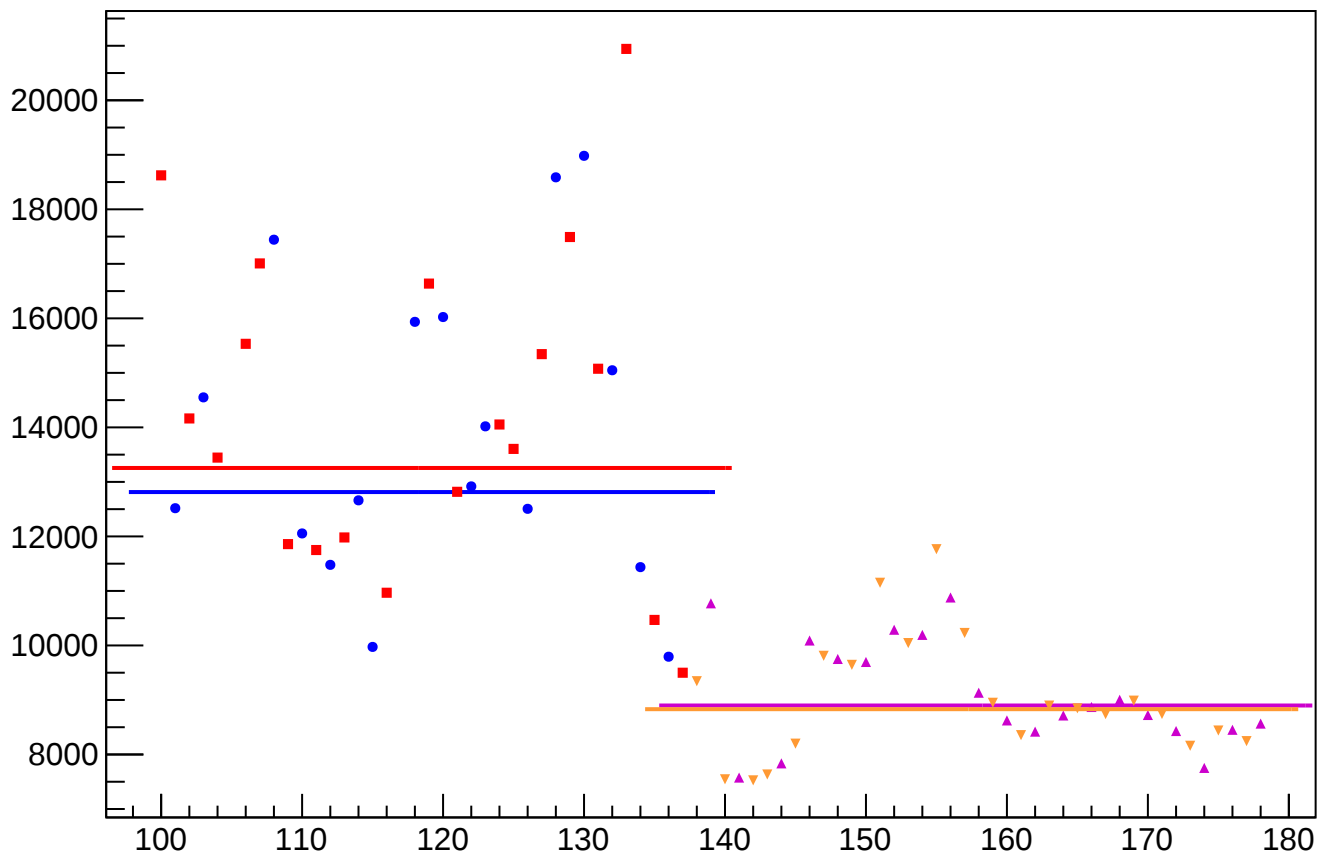
Left In: -1.999 ± 2.272 $\chi^2/\text{NDF}: 25.5/19$

+ sign -10.360 ± 2.049 $\chi^2/\text{NDF}: 79.1/37$

All: -6.904 ± 1.457 $\chi^2/\text{NDF}: 123.3/76$

- sign -3.363 ± 2.073 $\chi^2/\text{NDF}: 38.5/38$

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8830.970+/-1.582 χ^2/NDF : 391157.1/20

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

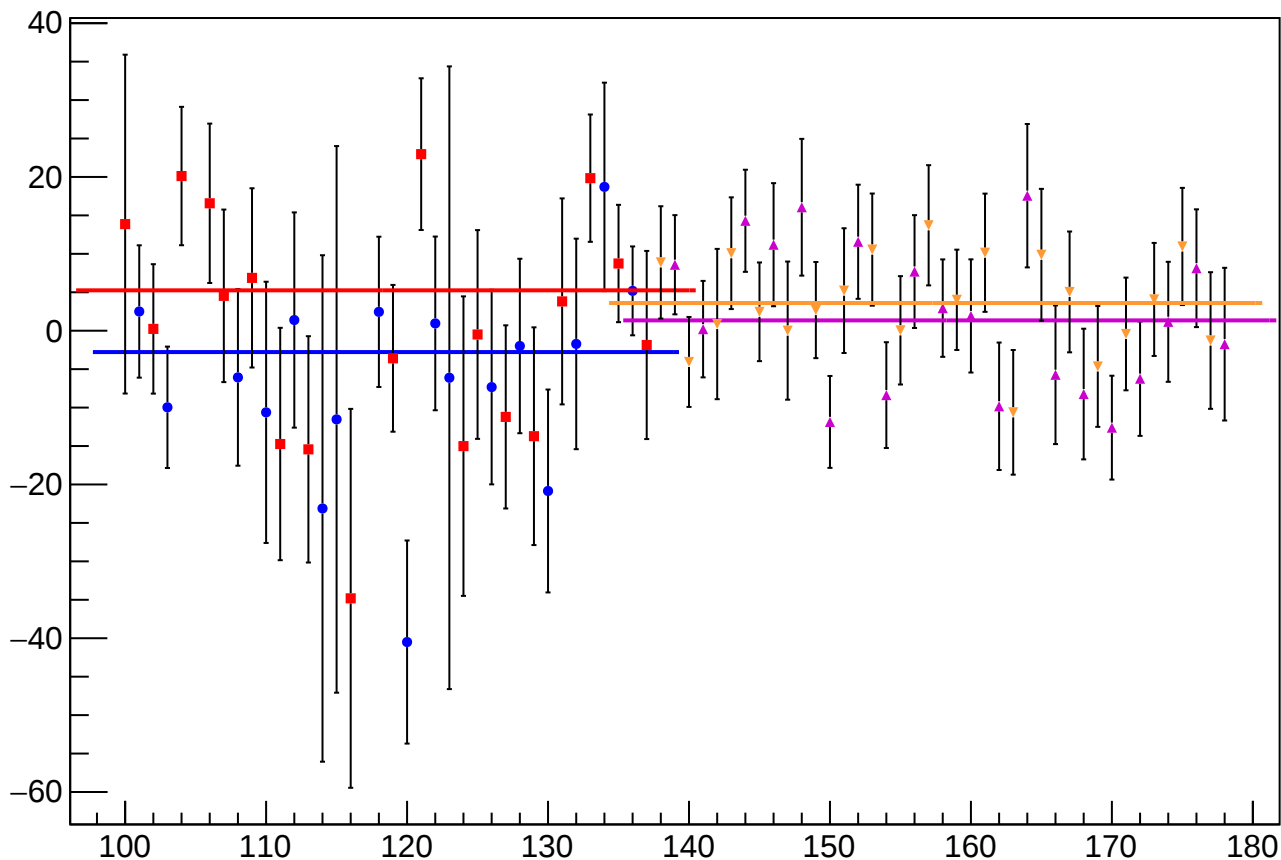
Left In: 8898.425+/-1.606 χ^2/NDF : 336378.1/19

+ sign 9473.304+/-1.449 χ^2/NDF : 1961748.5/37

All: 9548.633+/-1.030 χ^2/NDF : 4016087.8/76

- sign 9625.797+/-1.466 χ^2/NDF : 2048865.4/38

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.603 ± 1.625 χ^2/NDF : 13.2/20

Right Out: 5.252 ± 2.590 χ^2/NDF : 23.5/18

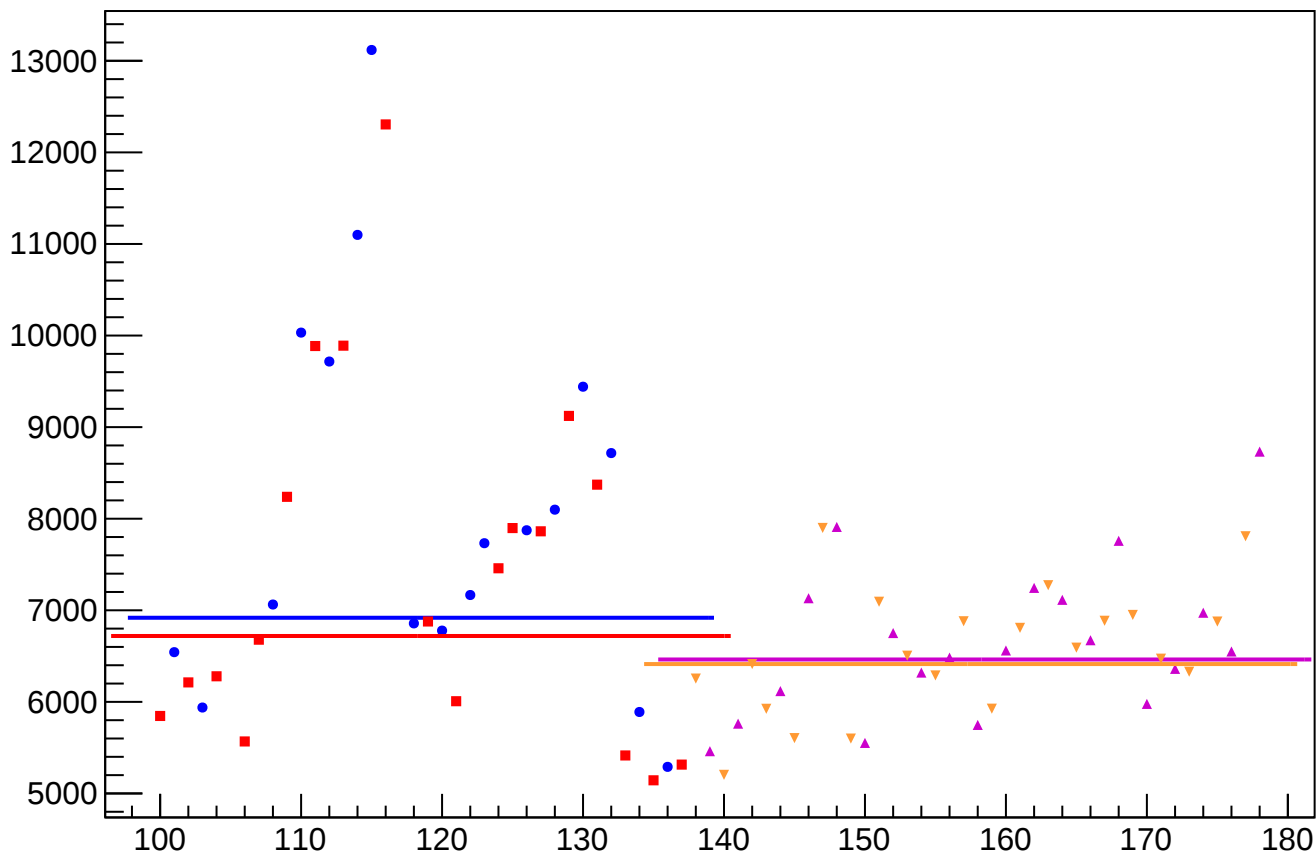
Left In: 1.342 ± 1.654 χ^2/NDF : 31.9/19

+ sign 1.949 ± 1.399 χ^2/NDF : 34.2/37

All: 2.213 ± 0.987 χ^2/NDF : 91.3/76

- sign 2.476 ± 1.394 χ^2/NDF : 57.0/38

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6412.831+/-1.149 χ^2/NDF : 351505.6/20

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

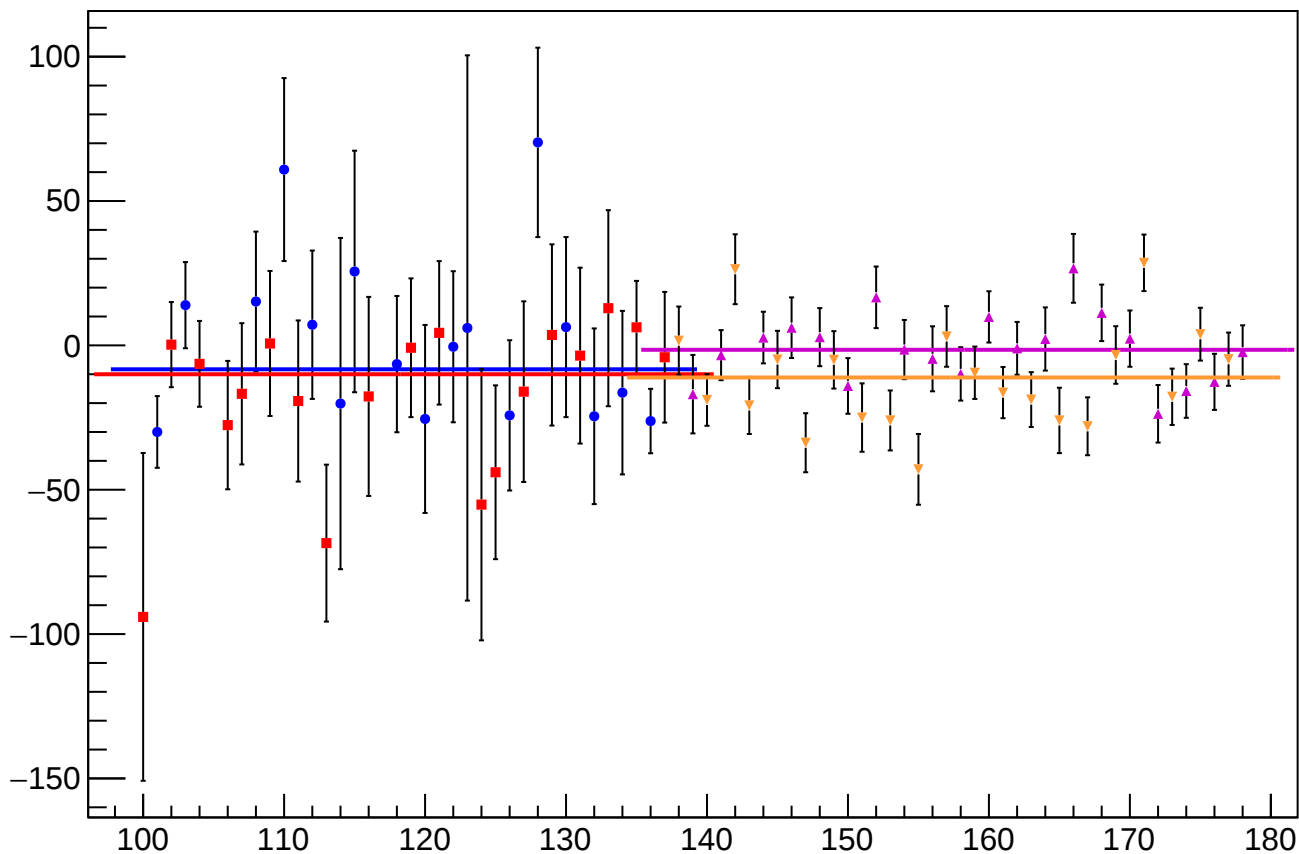
Left In: 6462.896+/-1.170 χ^2/NDF : 420694.1/19

+ sign 6543.911+/-0.989 χ^2/NDF : 989693.5/37

All: 6540.569+/-0.698 χ^2/NDF : 2078176.8/76

- sign 6537.248+/-0.986 χ^2/NDF : 1088460.6/38

diff_bpm1X_mean vs Slug



Right In: -8.286 $\pm$ 5.410 χ^2/NDF : 21.7/16

Left Out: -11.124 $\pm$ 2.198 χ^2/NDF : 56.4/20

Right Out: -10.007 $\pm$ 5.513 χ^2/NDF : 12.9/18

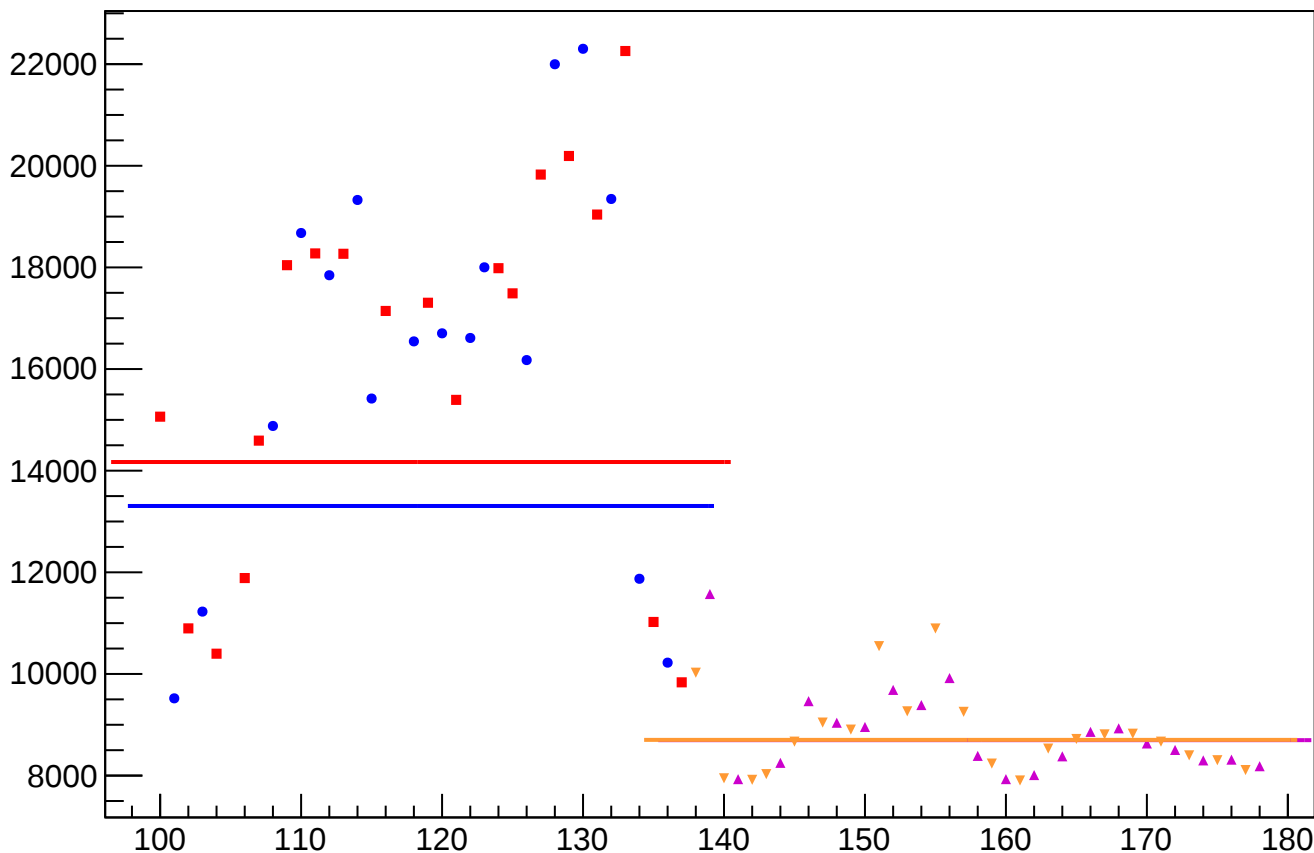
Left In: -1.530 $\pm$ 2.216 χ^2/NDF : 25.6/19

+ sign -10.722 $\pm$ 2.036 χ^2/NDF : 78.3/37

All: -6.754 $\pm$ 1.447 χ^2/NDF : 126.5/76

- sign -2.709 $\pm$ 2.056 χ^2/NDF : 40.6/38

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8702.802+/-1.554 χ^2/NDF : 220688.2/20

Right Out: 14170.668+/-3.898 χ^2/NDF : 930612.1/18

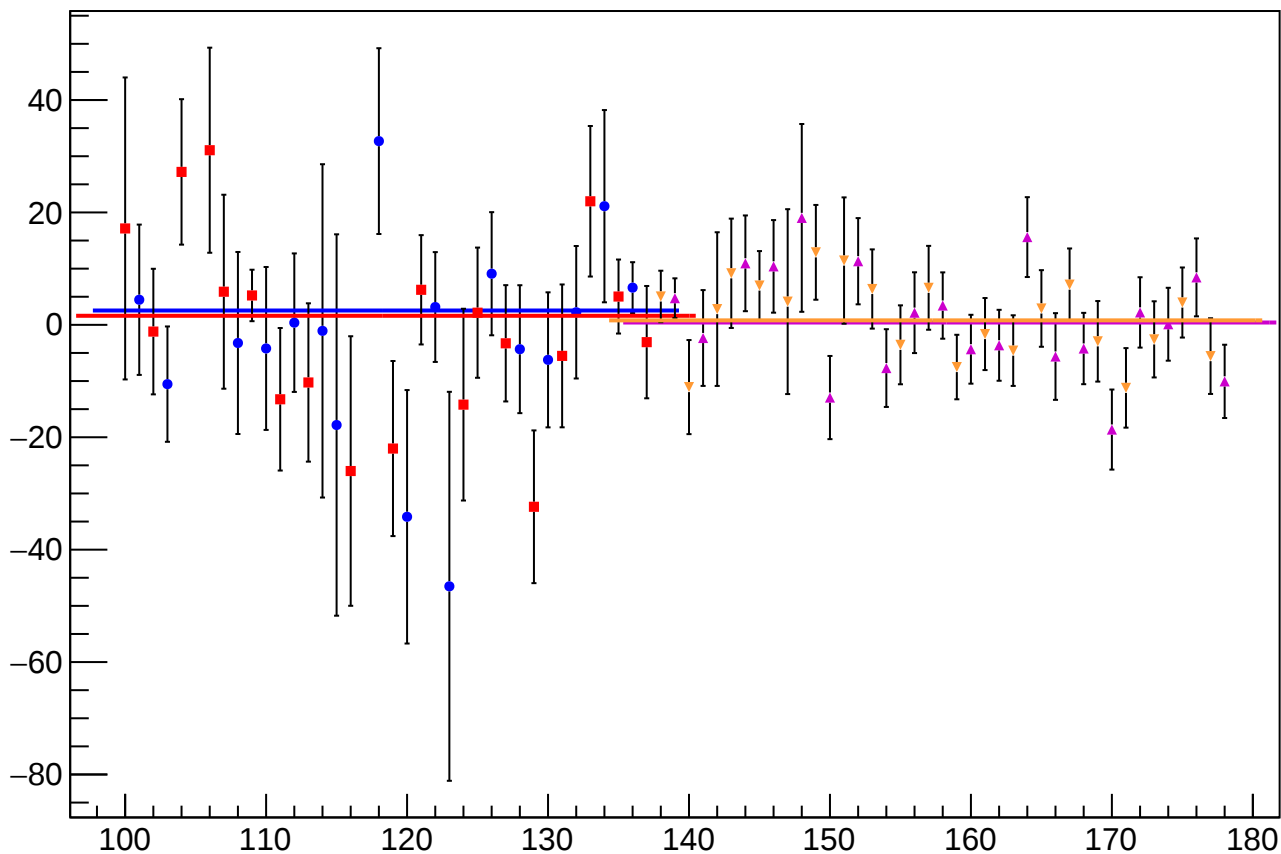
Left In: 8697.313+/-1.567 χ^2/NDF : 219857.1/19

+ sign 9354.839+/-1.440 χ^2/NDF : 2507224.7/37

All: 9406.148+/-1.023 χ^2/NDF : 5357402.6/76

- sign 9458.448+/-1.454 χ^2/NDF : 2847613.7/38

diff_bpm1Y_mean vs Slug



Right In: 2.551 $\pm$ 2.757 χ^2 /NDF: 13.6/16

Left Out: 0.797 $\pm$ 1.537 χ^2 /NDF:17.9/20

Right Out: 1.613 $\pm$ 2.442 χ^2 /NDF: 24.0/18

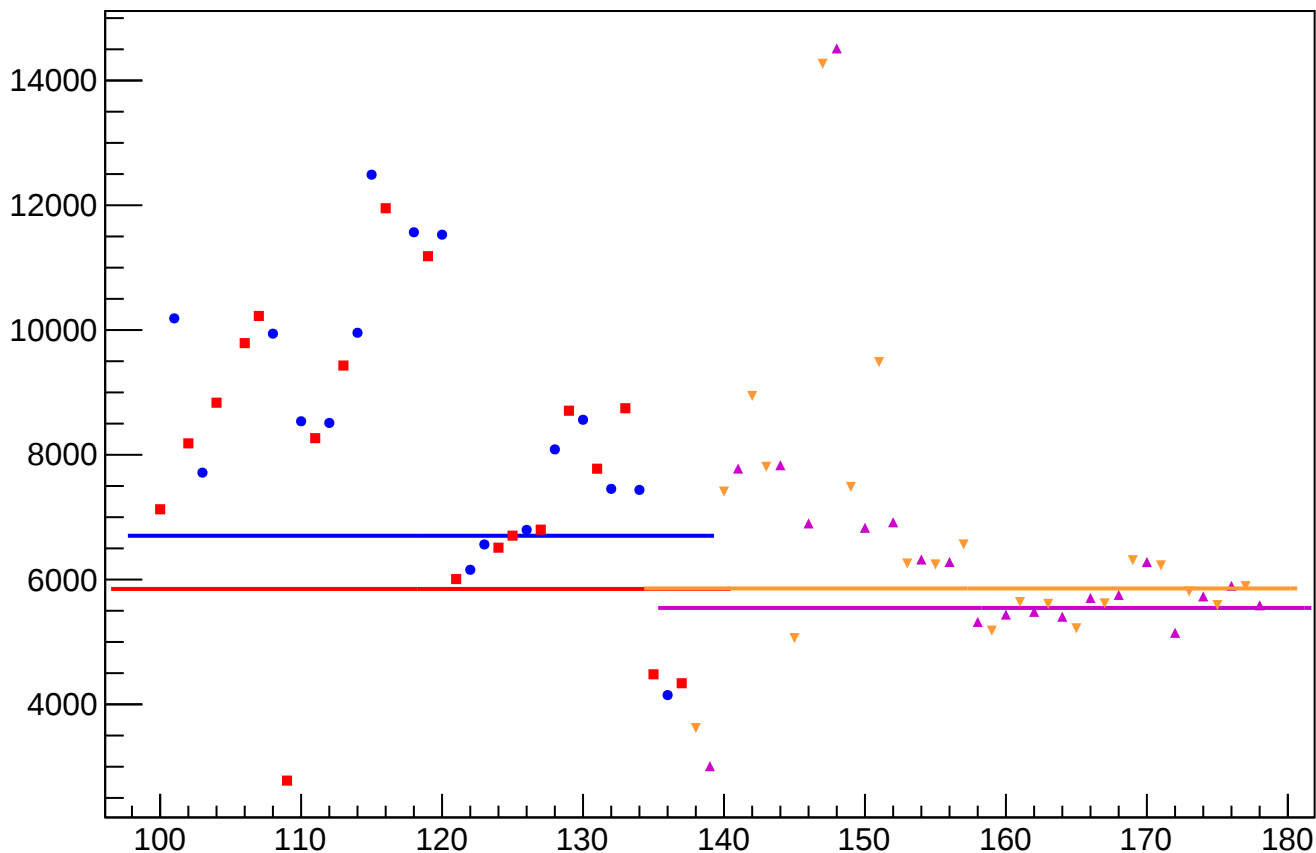
Left In: 0.415 $\pm$ 1.480 χ^2 /NDF:30.7/19

+ sign 1.213 $\pm$ 1.342 χ^2 /NDF: 31.8/37

All: 0.961 $\pm$ 0.921 χ^2 /NDF: 86.8/76

- sign 0.737 $\pm$ 1.266 χ^2 /NDF: 54.9/38

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5857.947+/-1.087 χ^2/NDF : 1669607.2/20

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

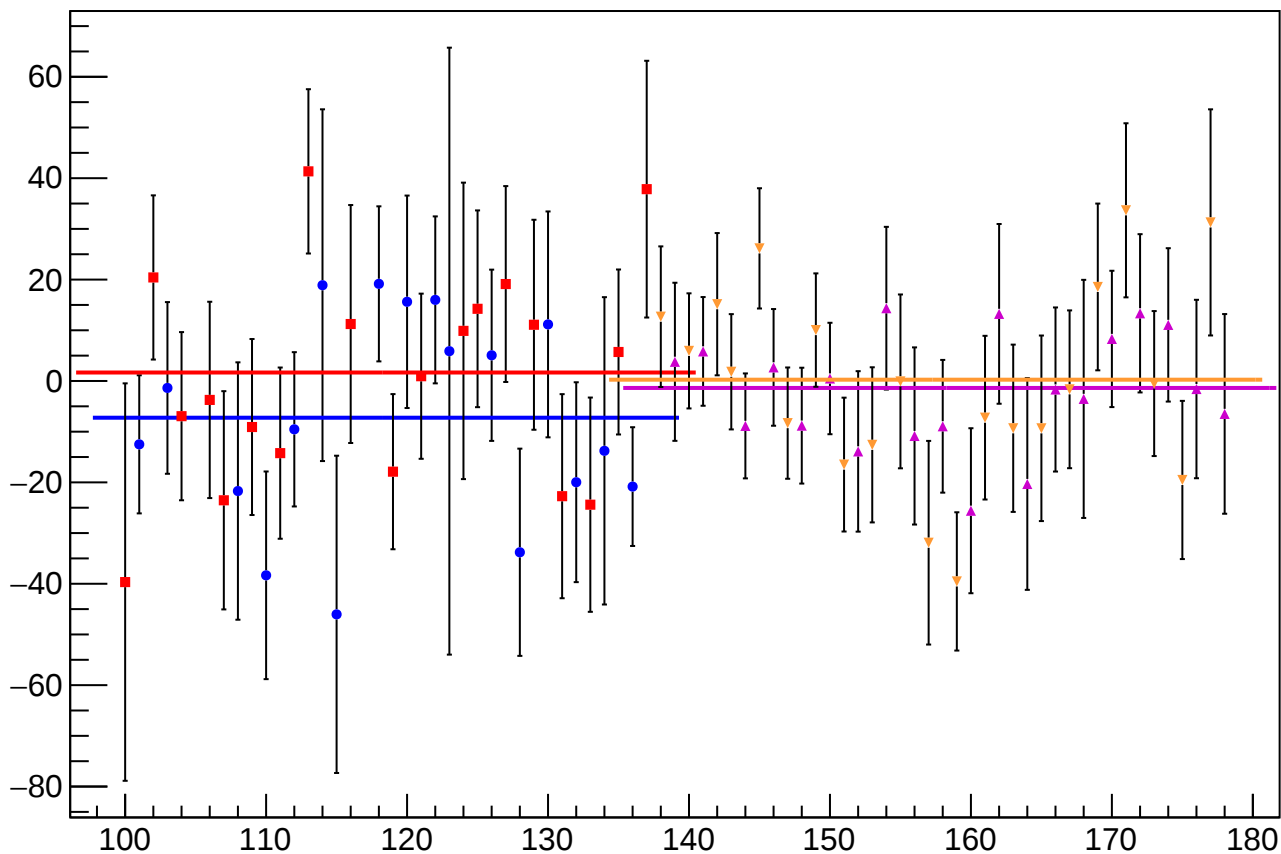
Left In: 5545.472+/-1.046 χ^2/NDF : 2156645.3/19

+ sign 6058.159+/-0.949 χ^2/NDF : 3202671.0/37

All: 5829.946+/-0.651 χ^2/NDF : 7769628.9/76

- sign 5627.134+/-0.895 χ^2/NDF : 4457796.3/38

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 0.254 ± 3.113 χ^2/NDF : 31.1/20

Right Out: 1.671 ± 4.373 χ^2/NDF : 19.9/18

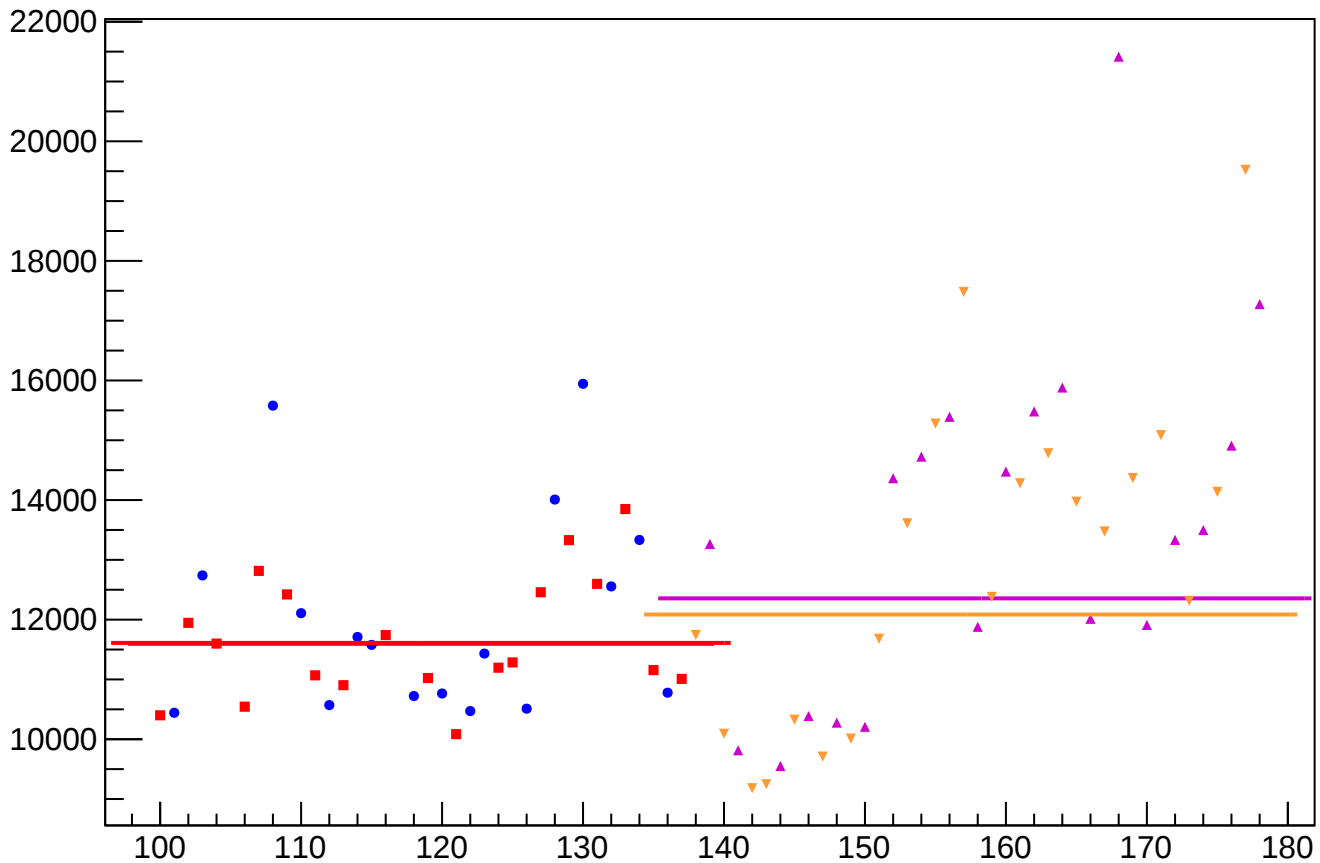
Left In: -1.374 ± 3.206 χ^2/NDF : 9.8/19

+ sign -2.140 ± 2.569 χ^2/NDF : 48.9/37

All: -1.231 ± 1.822 χ^2/NDF : 79.1/76

- sign -0.310 ± 2.585 χ^2/NDF : 29.9/38

diff_bpm11X_rms vs Slug



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 12086.148+/-2.201 χ^2/NDF :1200856.9/20

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

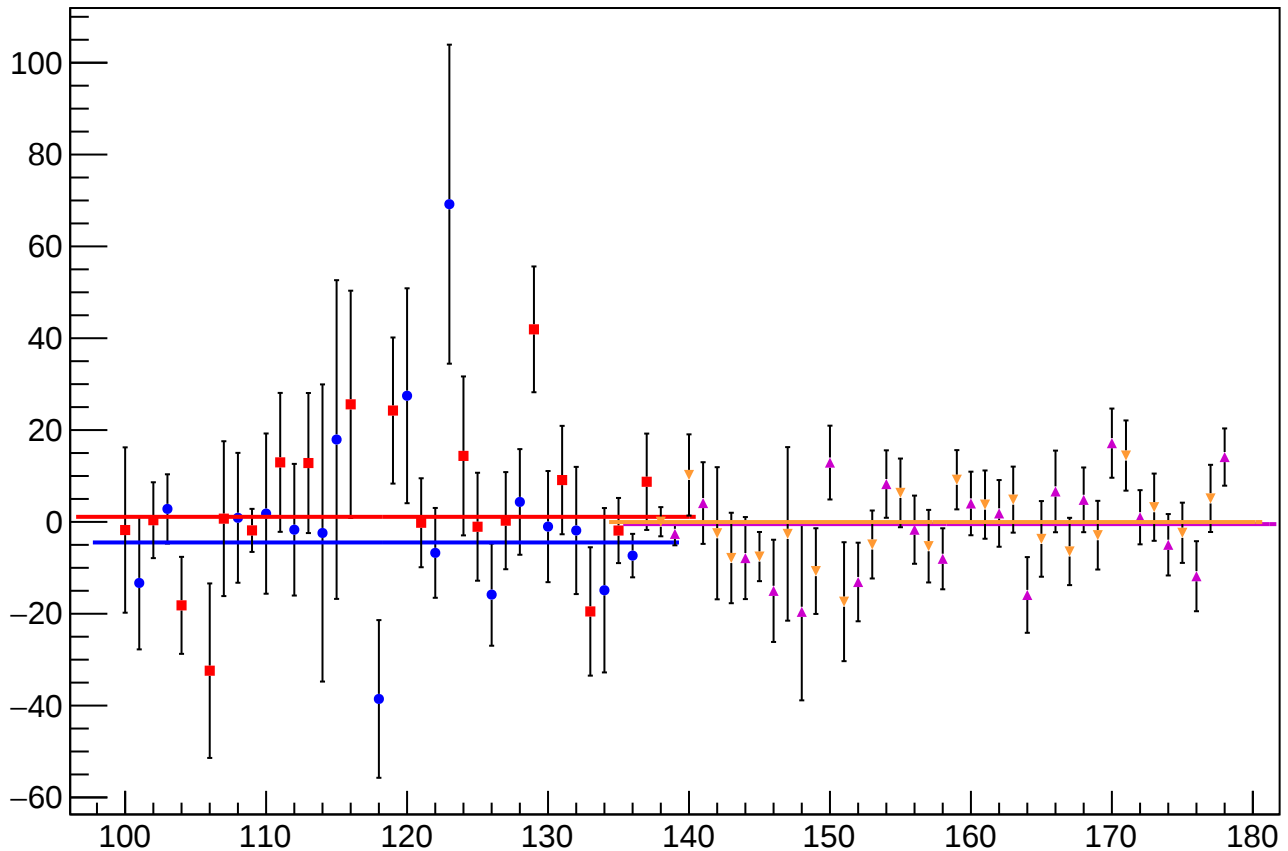
Left In: 12355.805+/-2.267 χ^2/NDF :1246026.1/19

+ sign 11930.582+/-1.816 χ^2/NDF : 1451926.3/37

All: 12012.487+/-1.289 χ^2/NDF : 2834236.0/7

- sign 12095.451+/-1.828 χ^2/NDF : 1378217.0/38

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.030 ± 1.535 χ^2/NDF : 17.0/20

Right Out: 1.105 ± 2.429 χ^2/NDF : 24.0/18

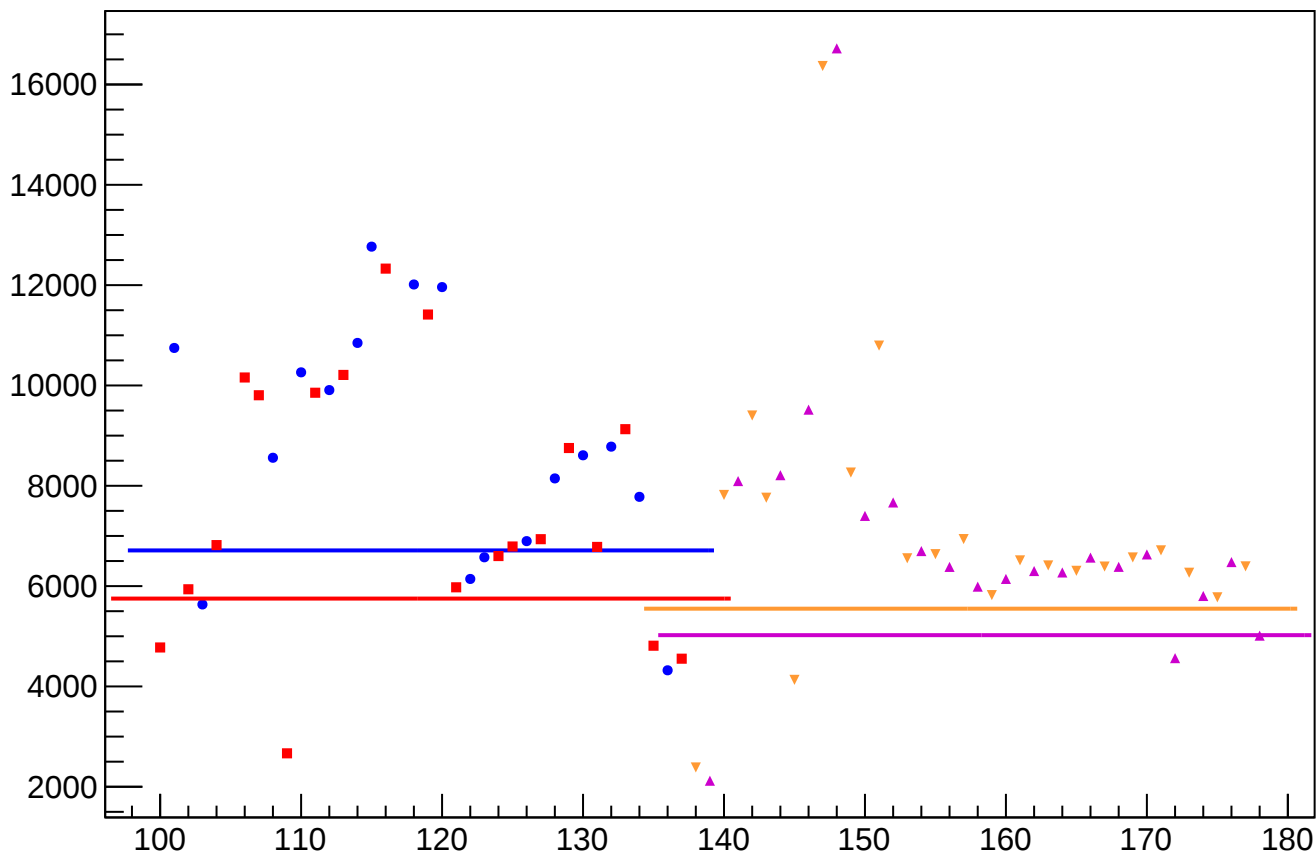
Left In: -0.483 ± 1.437 χ^2/NDF : 31.0/19

+ sign -1.067 ± 1.344 χ^2/NDF : 33.8/37

All: -0.528 ± 0.910 χ^2/NDF : 89.4/76

- sign -0.071 ± 1.237 χ^2/NDF : 55.3/38

diff_bpm11Y_rms vs Slug



Right In: 6711.550 ± 1.967 $\chi^2/\text{NDF}: 1446972.0/16$

Left Out: 5550.103 ± 1.085 $\chi^2/\text{NDF}: 4034656.3/20$

Right Out: 5751.505 ± 1.718 $\chi^2/\text{NDF}: 2165110.0/18$

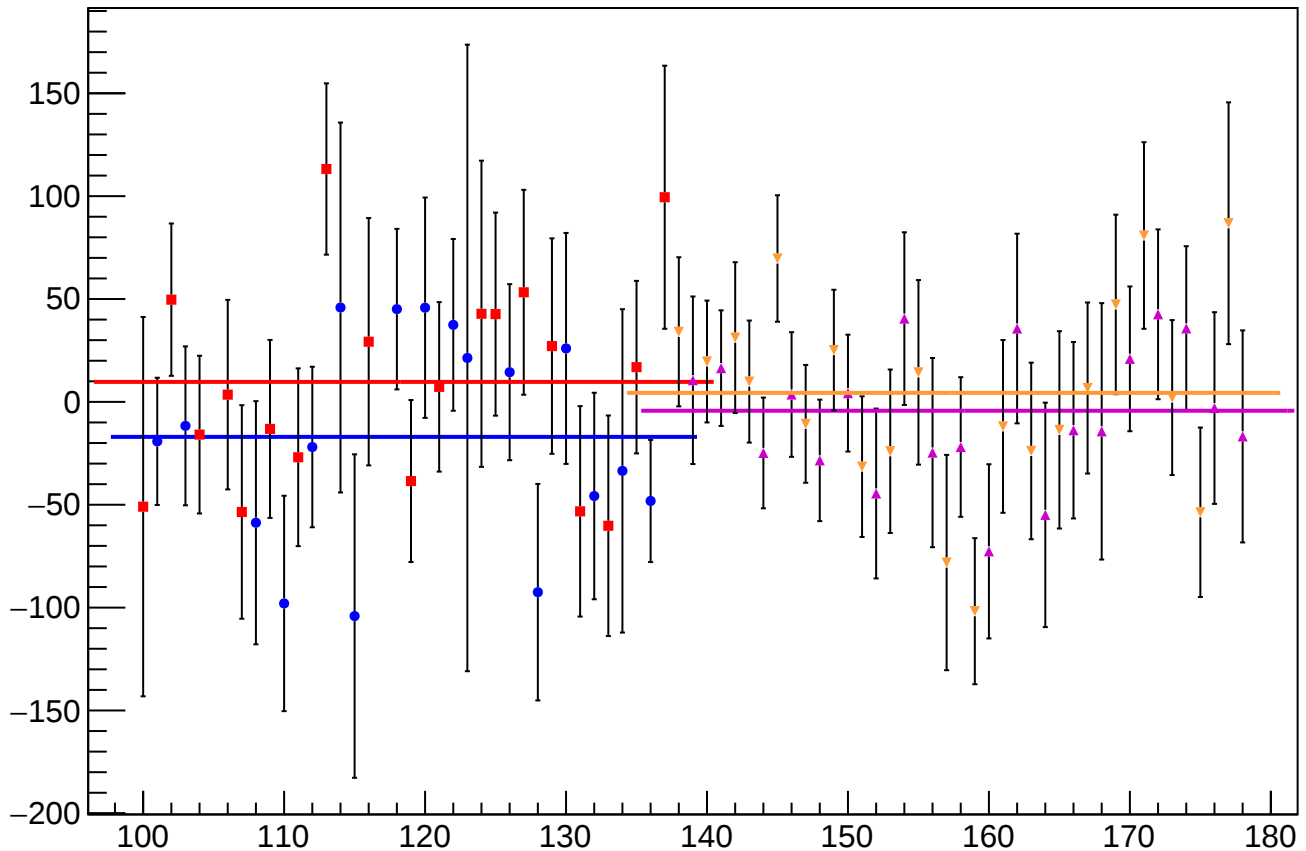
Left In: 5022.238 ± 1.016 $\chi^2/\text{NDF}: 5348816.7/19$

+ sign 5821.118 ± 0.950 $\chi^2/\text{NDF}: 5748936.4/37$

All: 5490.896 ± 0.643 $\chi^2/\text{NDF}: 13619506.6/77$

- sign 5211.242 ± 0.874 $\chi^2/\text{NDF}: 7647487.7/38$

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 4.382 ± 8.141 χ^2/NDF : 28.4/20

Right Out: 9.719 ± 10.891 χ^2/NDF : 19.1/18

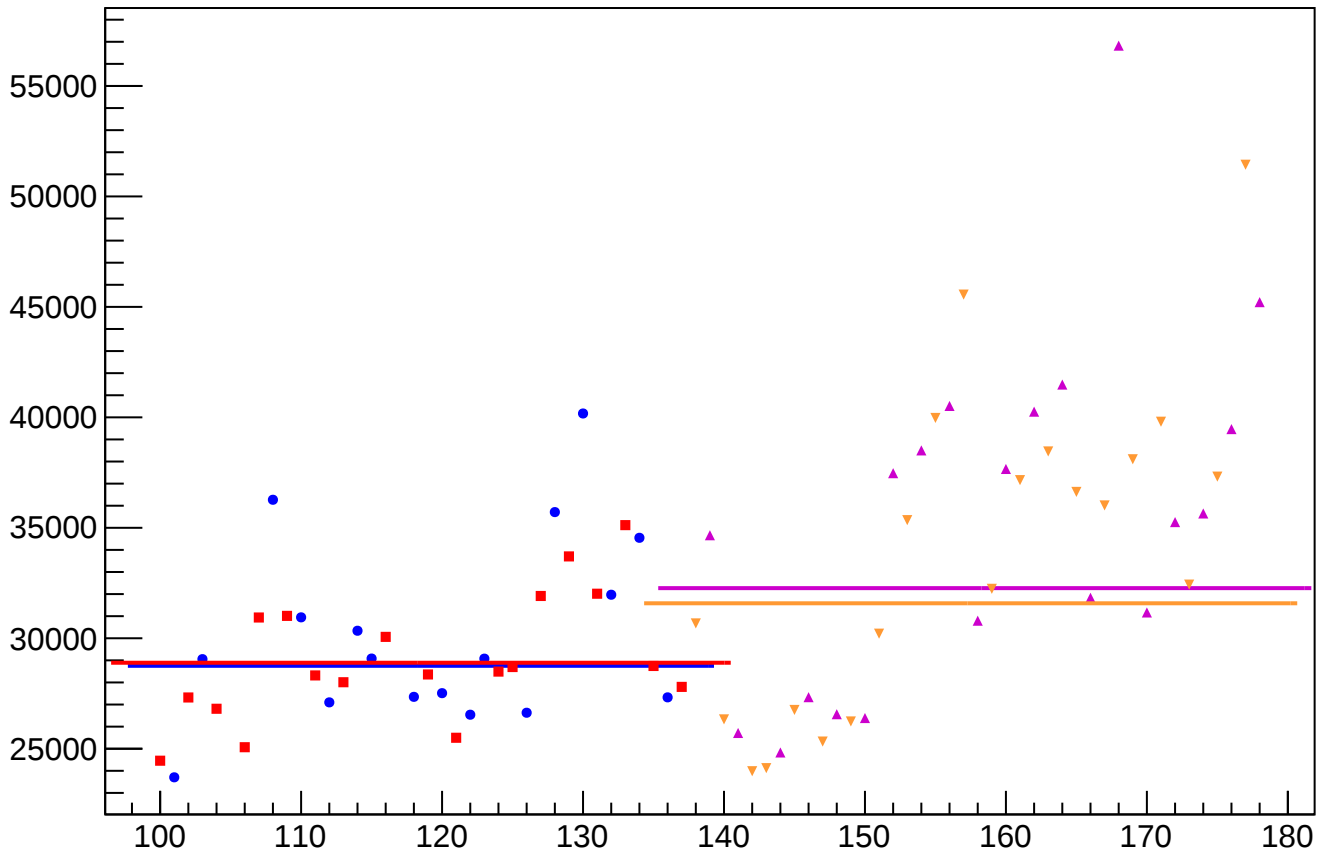
Left In: -4.299 ± 8.378 χ^2/NDF : 11.8/19

+ sign -2.938 ± 6.603 χ^2/NDF : 45.7/37

All: -1.024 ± 4.682 χ^2/NDF : 77.8/76

- sign 0.912 ± 6.640 χ^2/NDF : 31.9/38

diff_bpm12X_rms vs Slug



Right In: 28753.787 $\pm$ 7.981 χ^2 /NDF: 249215.1/16

Left Out: 31583.255 $\pm$ 5.757 χ^2 /NDF:1232458.7/20

Right Out: 28892.154 $\pm$ 7.701 χ^2 /NDF: 111241.2/18

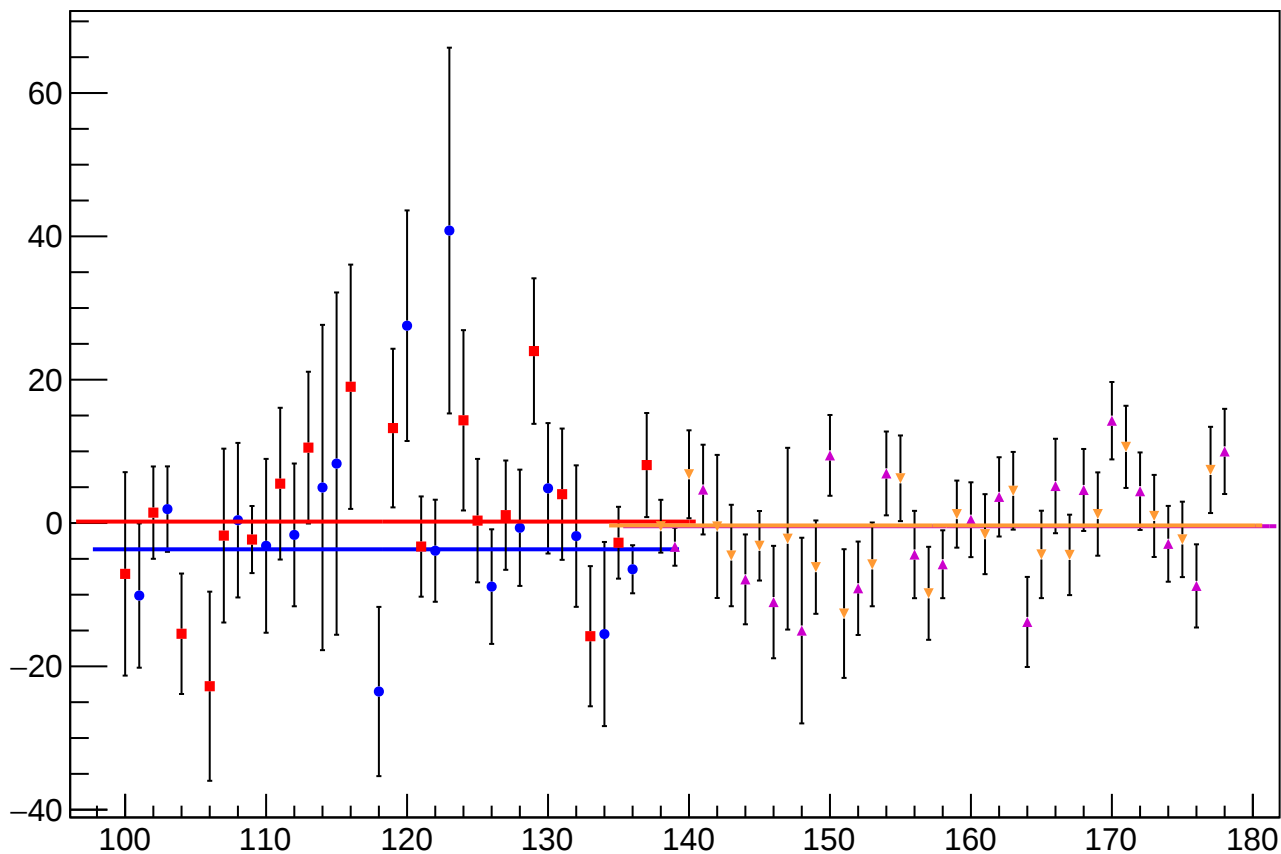
Left In: 32269.076 $\pm$ 5.924 χ^2 /NDF:1287262.7/19

+ sign 30615.010 $\pm$ 4.669 χ^2 /NDF: 1564347.8/37

All: 30813.192 $\pm$ 3.311 χ^2 /NDF: 3087279.7/77

- sign 31013.641 $\pm$ 4.695 χ^2 /NDF: 1519307.5/38

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.341 ± 1.269 χ^2/NDF : 16.5/20

Right Out: 0.199 ± 1.893 χ^2/NDF : 22.3/18

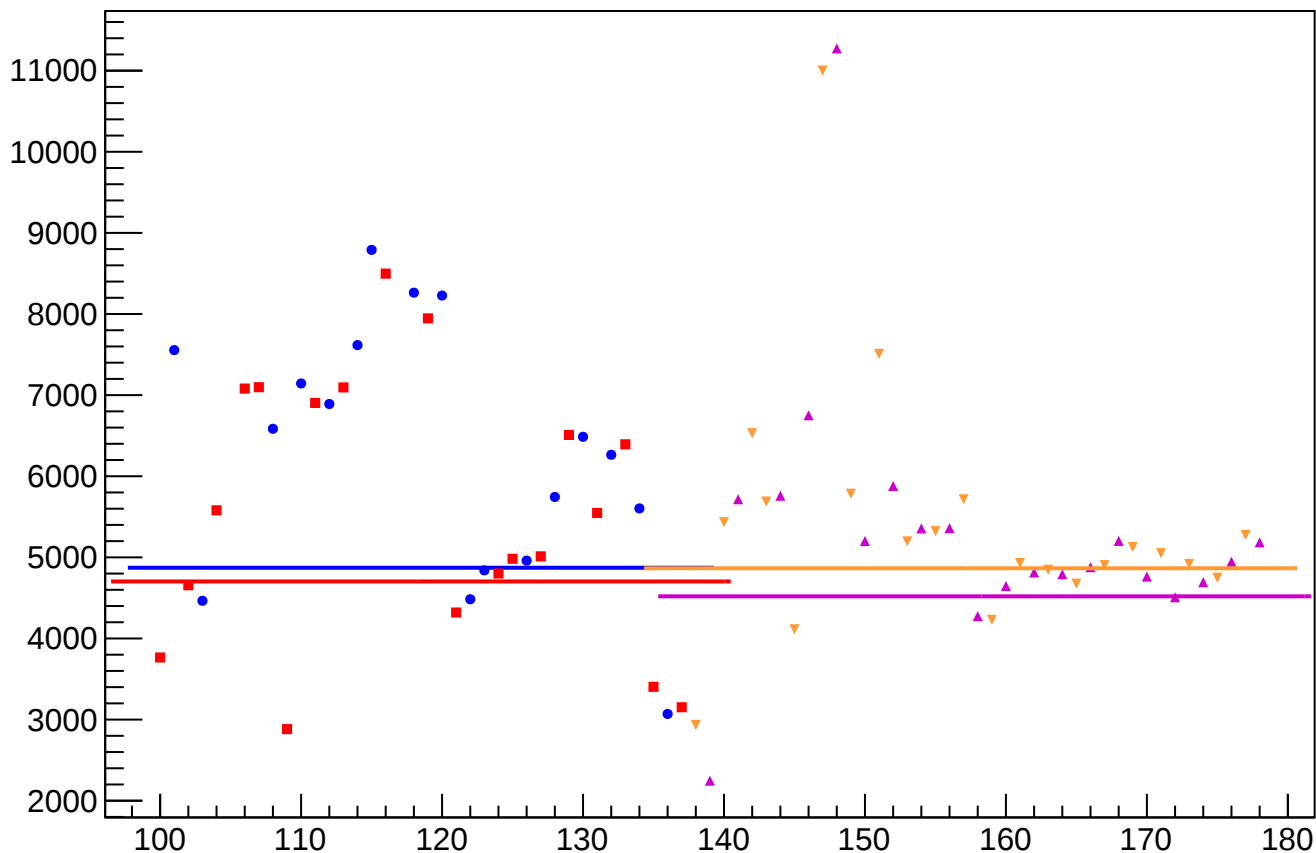
Left In: -0.448 ± 1.211 χ^2/NDF : 34.6/19

+ sign -1.290 ± 1.073 χ^2/NDF : 32.9/37

All: -0.749 ± 0.739 χ^2/NDF : 90.4/76

- sign -0.260 ± 1.020 χ^2/NDF : 57.0/38

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4865.543+/-0.898 χ^2/NDF : 1487051.8/20

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

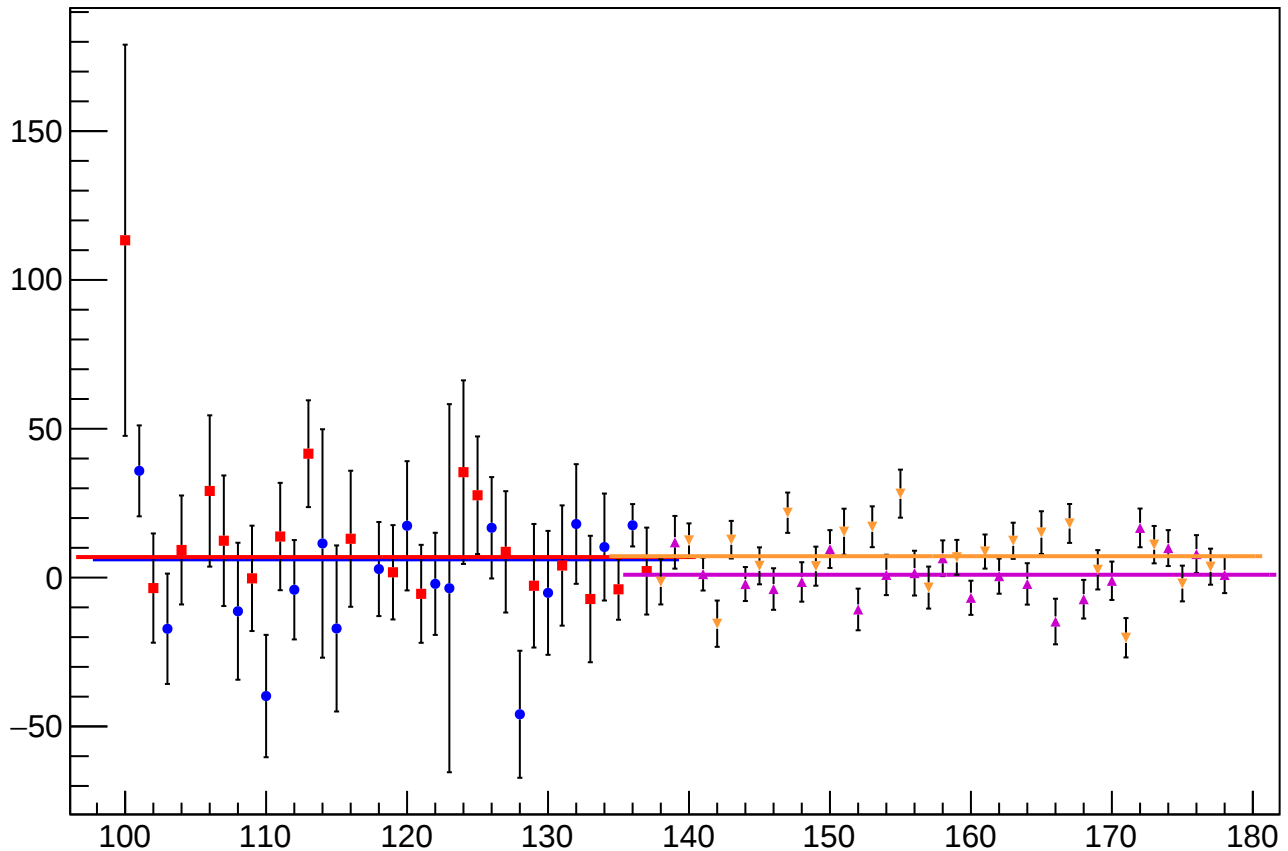
Left In: 4519.631+/-0.856 χ^2/NDF : 2620078.7/19

+ sign 4867.414+/-0.759 χ^2/NDF : 2892320.2/37

All: 4712.642+/-0.523 χ^2/NDF : 6917598.0/70

- sign 4572.873+/-0.721 χ^2/NDF : 3946120.5/38

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 7.185 ± 1.429 χ^2/NDF : 54.4/20

Right Out: 6.892 ± 4.224 χ^2/NDF : 12.5/18

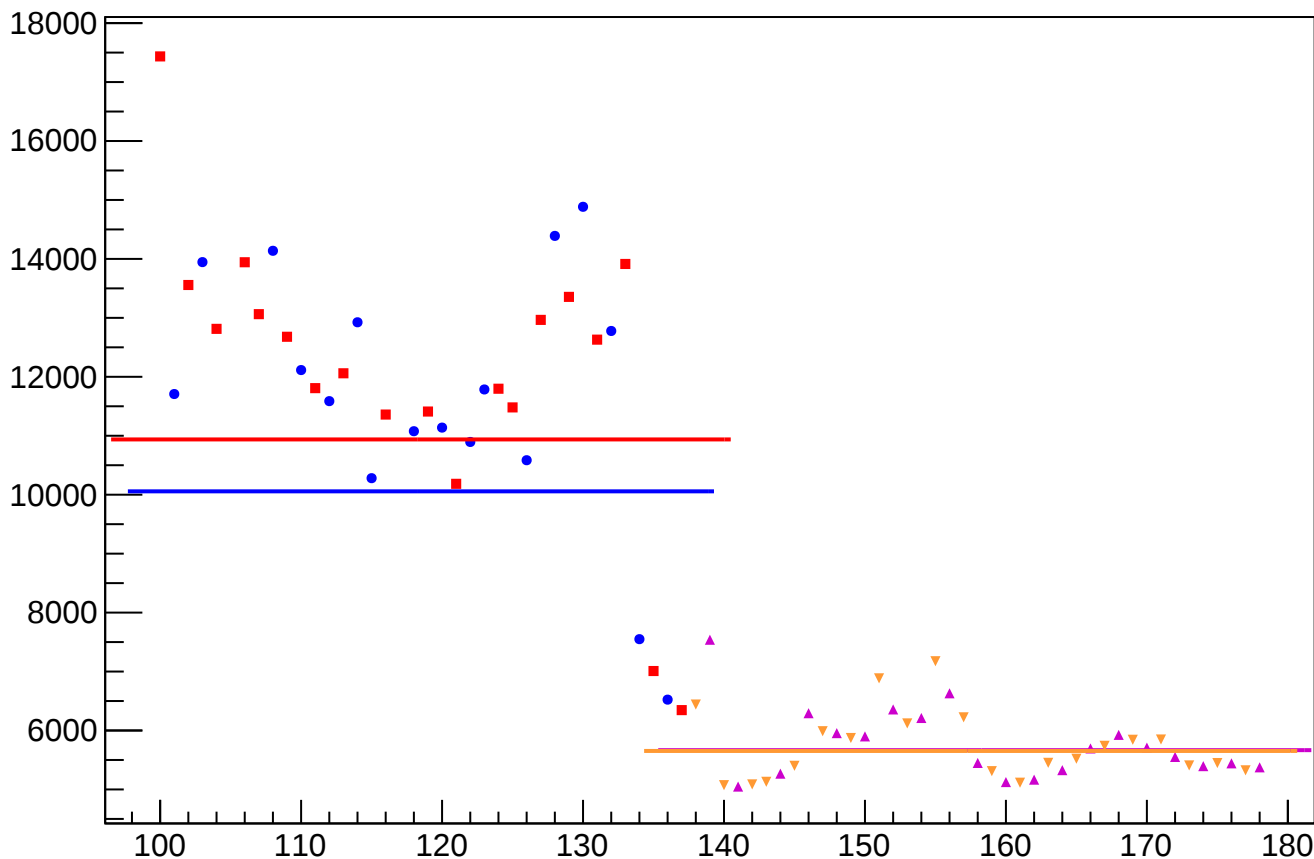
Left In: 0.954 ± 1.445 χ^2/NDF : 25.1/19

+ sign 7.070 ± 1.349 χ^2/NDF : 76.7/37

All: 4.360 ± 0.960 χ^2/NDF : 124.2/76

- sign 1.575 ± 1.367 χ^2/NDF : 39.3/38

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5653.114 $\pm$ 1.010 χ^2 /NDF:263389.1/20

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

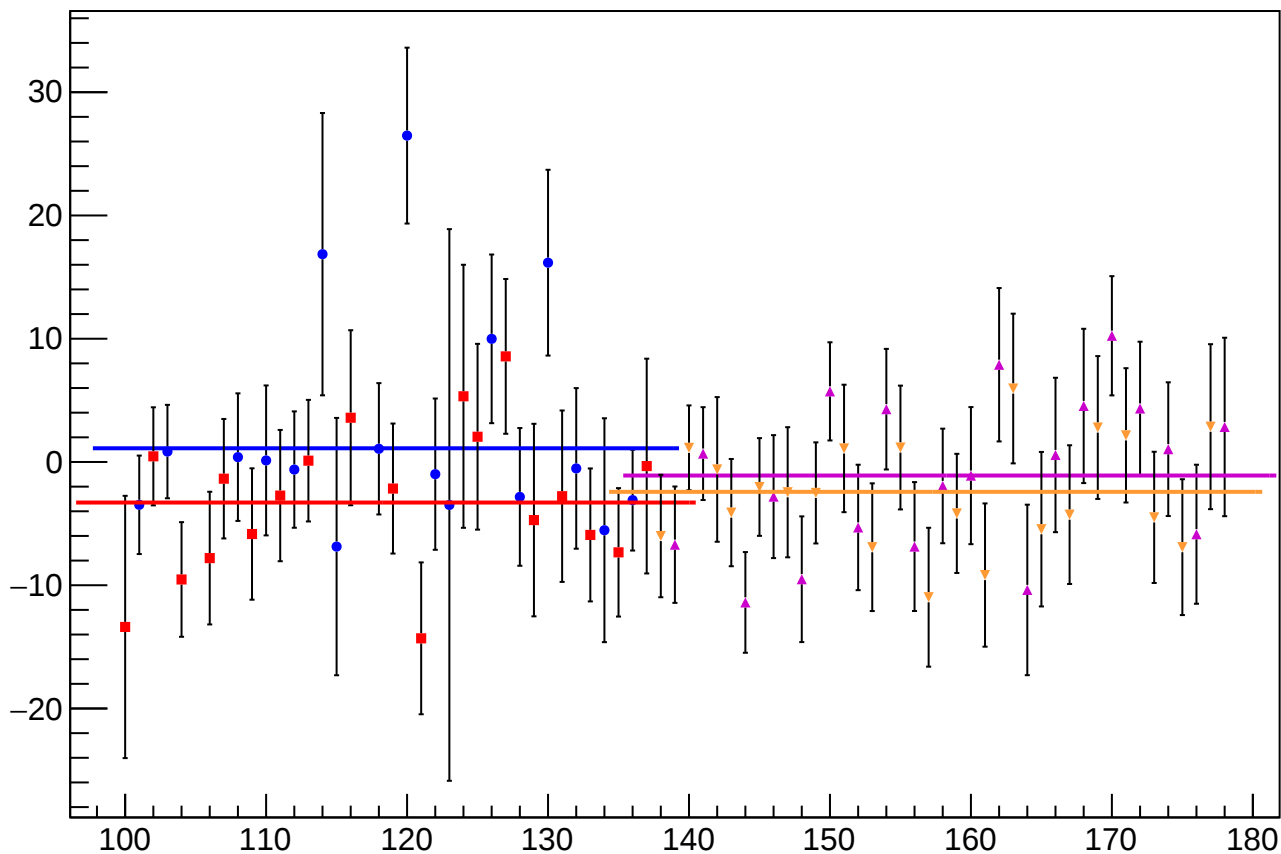
Left In: 5666.520 $\pm$ 1.022 χ^2 /NDF:266814.7/19

+ sign 6134.289 $\pm$ 0.954 χ^2 /NDF: 3341596.0/37

All: 6175.789 $\pm$ 0.679 χ^2 /NDF: 7162954.2/70

- sign 6218.418 $\pm$ 0.967 χ^2 /NDF: 3817519.4/38

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.422 ± 1.103 χ^2/NDF : 12.6/20

Right Out: -3.290 ± 1.334 χ^2/NDF : 15.1/18

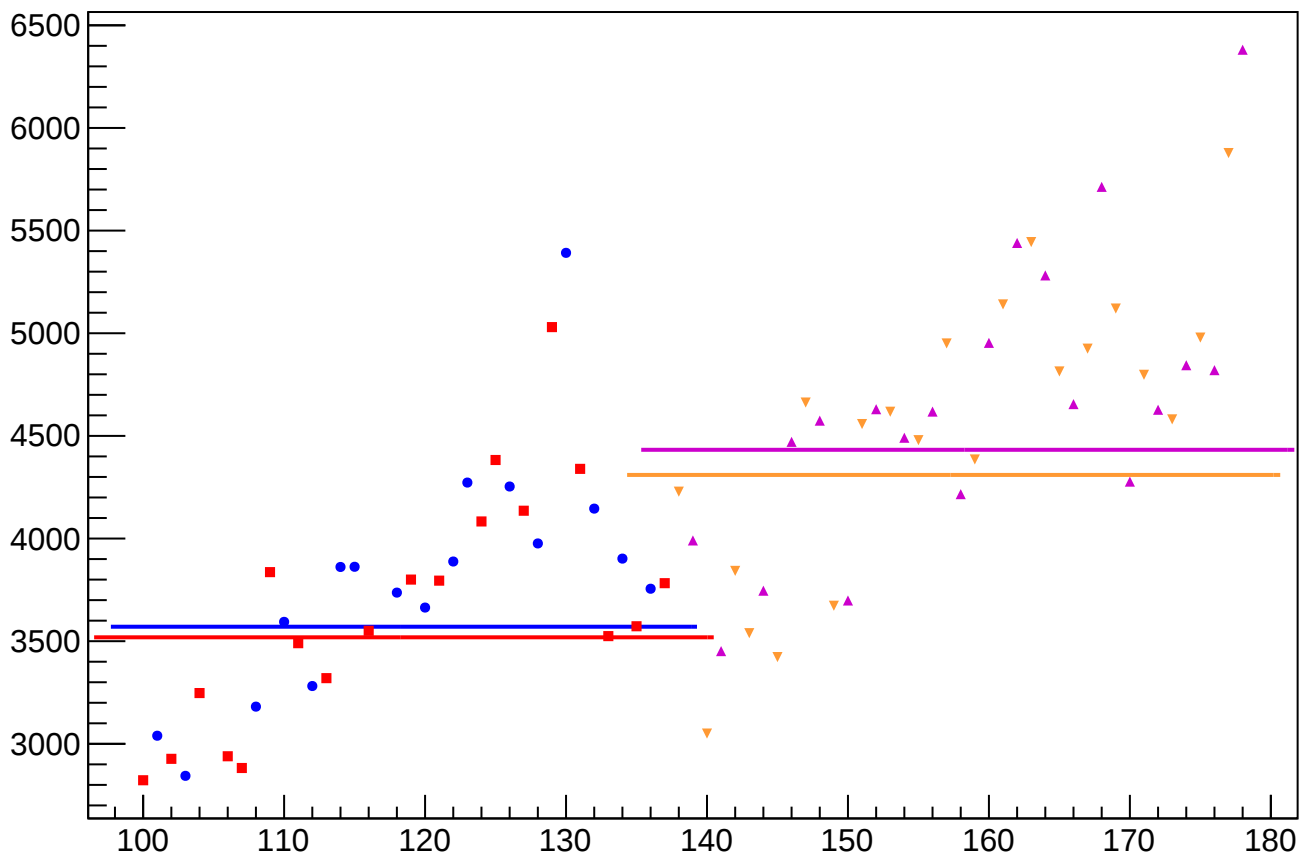
Left In: -1.099 ± 1.138 χ^2/NDF : 29.3/19

+ sign -1.072 ± 0.867 χ^2/NDF : 41.1/37

All: -1.548 ± 0.613 χ^2/NDF : 87.7/76

- sign -2.023 ± 0.866 χ^2/NDF : 46.0/38

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4309.870+/-0.780 χ^2/NDF : 888695.2/20

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

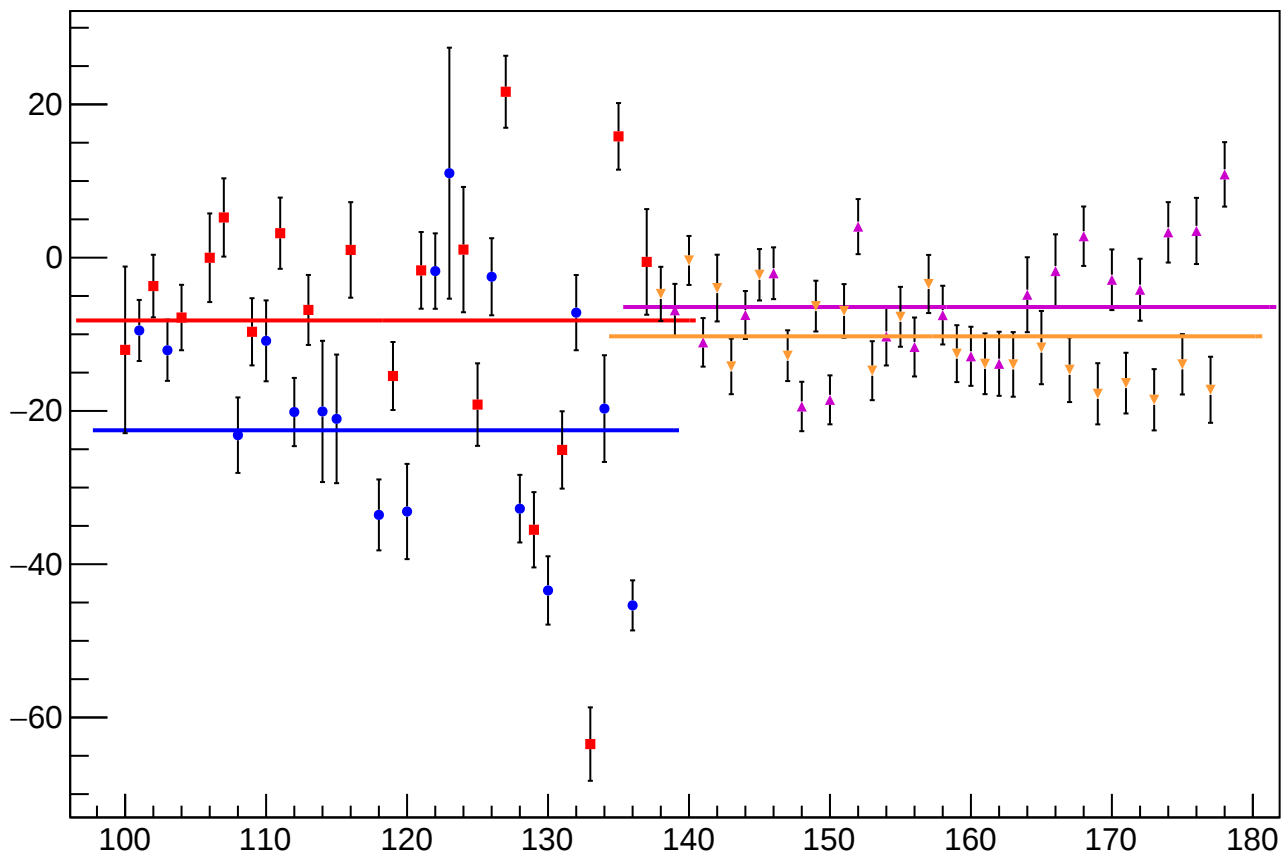
Left In: 4432.291+/-0.805 χ^2/NDF : 646219.4/19

+ sign 4027.446+/-0.613 χ^2/NDF : 1541775.8/37

All: 4037.362+/-0.433 χ^2/NDF : 3024625.7/70

- sign 4047.252+/-0.612 χ^2/NDF : 1482327.4/38

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -10.263 ± 0.827 χ^2/NDF : 45.8/20

Right Out: -8.192 ± 1.157 χ^2/NDF : 275.8/18

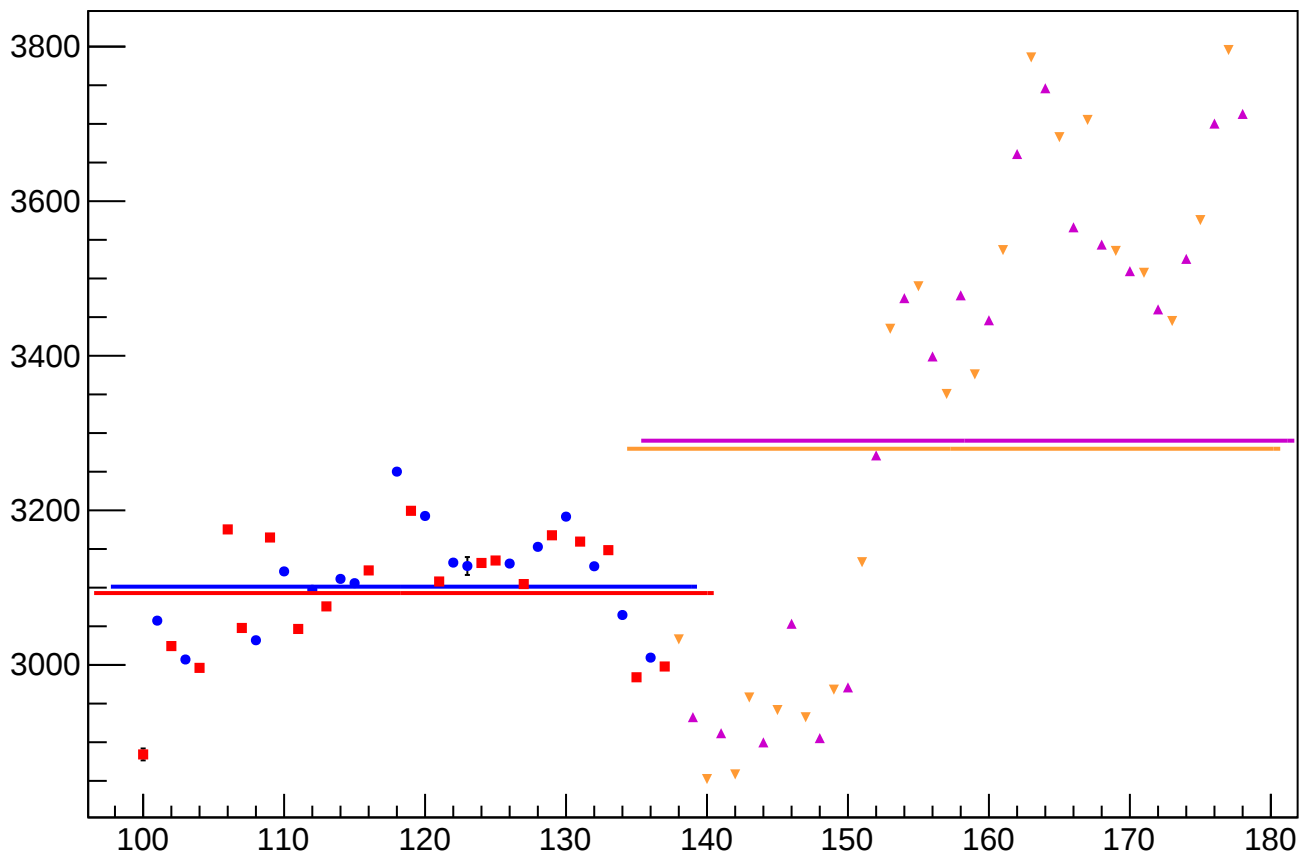
Left In: -6.440 ± 0.837 χ^2/NDF : 88.1/19

+ sign -14.209 ± 0.681 χ^2/NDF : 272.0/37

All: -10.611 ± 0.481 χ^2/NDF : 693.1/76

- sign -7.042 ± 0.678 χ^2/NDF : 365.5/38

diff_bpm0l01X_rms vs Slug



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3279.702+/-0.585 χ^2/NDF : 284652.3/20

Right Out: 3092.993+/-0.818 χ^2/NDF : 7766.0/18

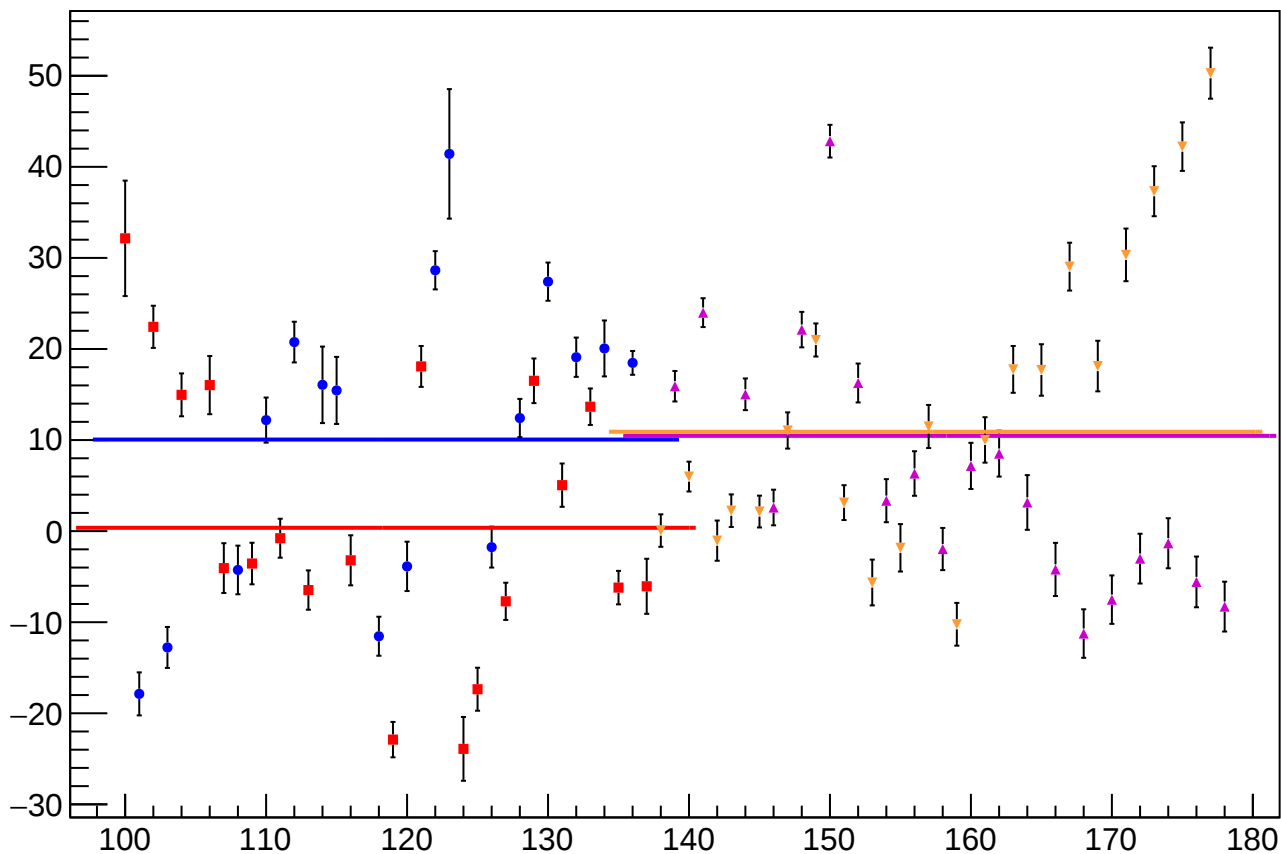
Left In: 3290.140+/-0.592 χ^2/NDF : 257398.7/19

+ sign 3222.282+/-0.482 χ^2/NDF : 321848.9/37

All: 3222.331+/-0.340 χ^2/NDF : 625131.0/76

- sign 3222.380+/-0.480 χ^2/NDF : 303282.1/38

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 $\pm$ 0.562 χ^2 /NDF: 692.2/16

Left Out: 10.914 $\pm$ 0.485 χ^2 /NDF: 860.3/20

Right Out: 0.367 $\pm$ 0.547 χ^2 /NDF: 629.8/18

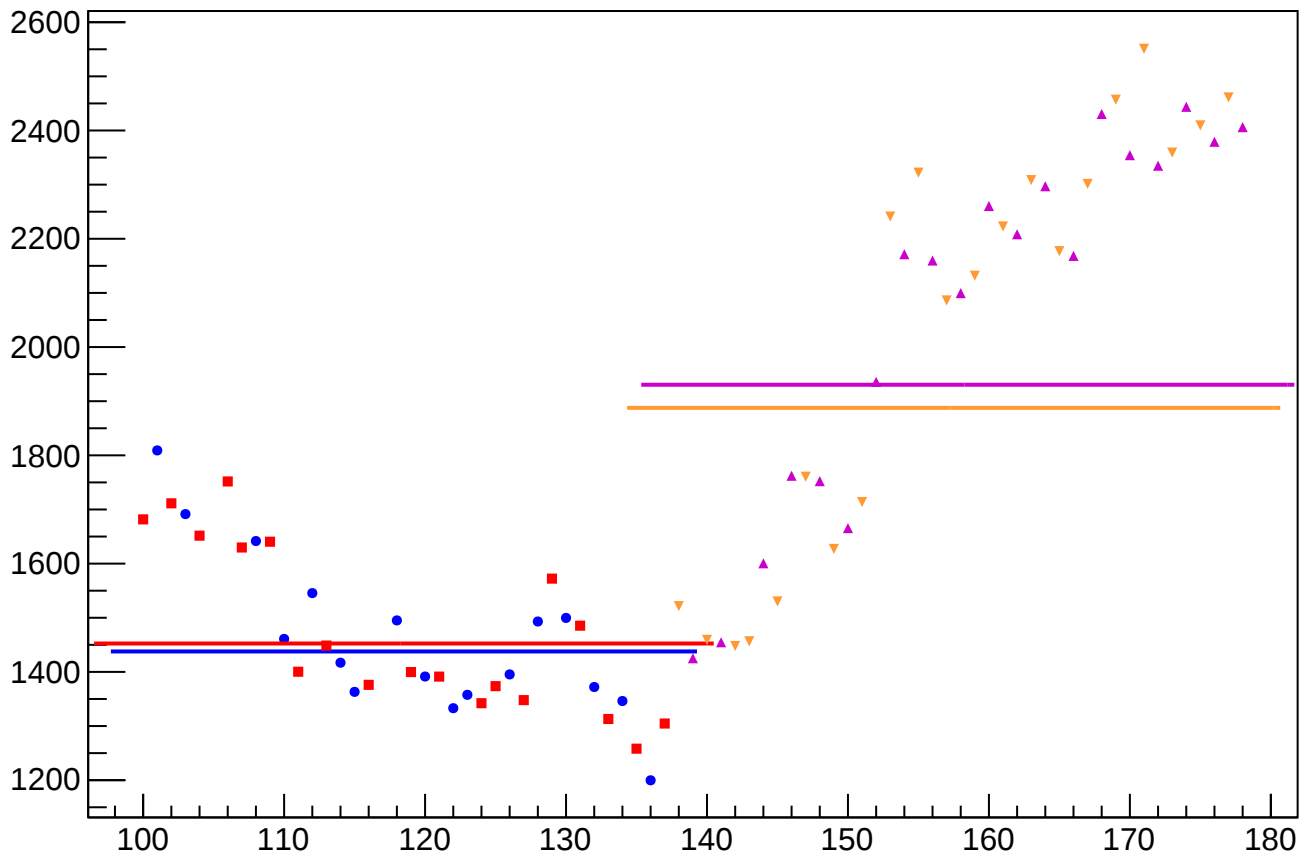
Left In: 10.462 $\pm$ 0.498 χ^2 /NDF: 783.8/19

+ sign 10.548 $\pm$ 0.367 χ^2 /NDF: 1553.9/37

All: 8.225 $\pm$ 0.260 χ^2 /NDF: 3234.1/76

- sign 5.882 $\pm$ 0.368 χ^2 /NDF: 1599.7/38

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1887.727 $\pm$ 0.343 χ^2 /NDF:1266415.1/20

Right Out: 1452.469 $\pm$ 0.387 χ^2 /NDF: 138605.8/18

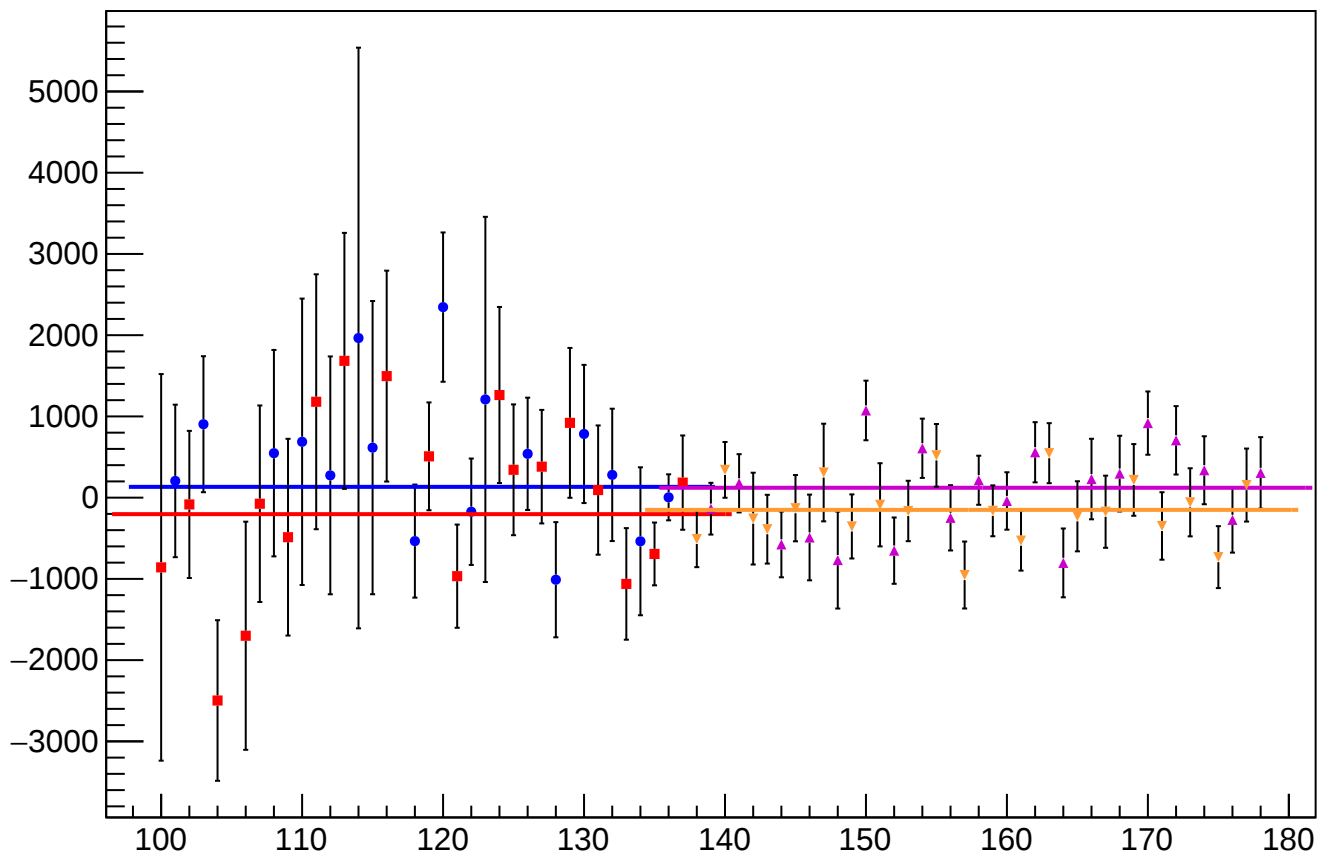
Left In: 1930.389 $\pm$ 0.352 χ^2 /NDF:1006870.9/19

+ sign 1695.728 $\pm$ 0.259 χ^2 /NDF: 2175511.2/37

All: 1704.615 $\pm$ 0.184 χ^2 /NDF: 4157391.6/70

- sign 1713.578 $\pm$ 0.261 χ^2 /NDF: 1979523.3/38

asym_sam1_mean vs Slug



Right In: 132.921 ± 180.271 χ^2/NDF : 12.9/16

Left Out: -150.413 ± 88.343 χ^2/NDF : 19.6/20

Right Out: -203.062 ± 184.353 χ^2/NDF : 21.4/18

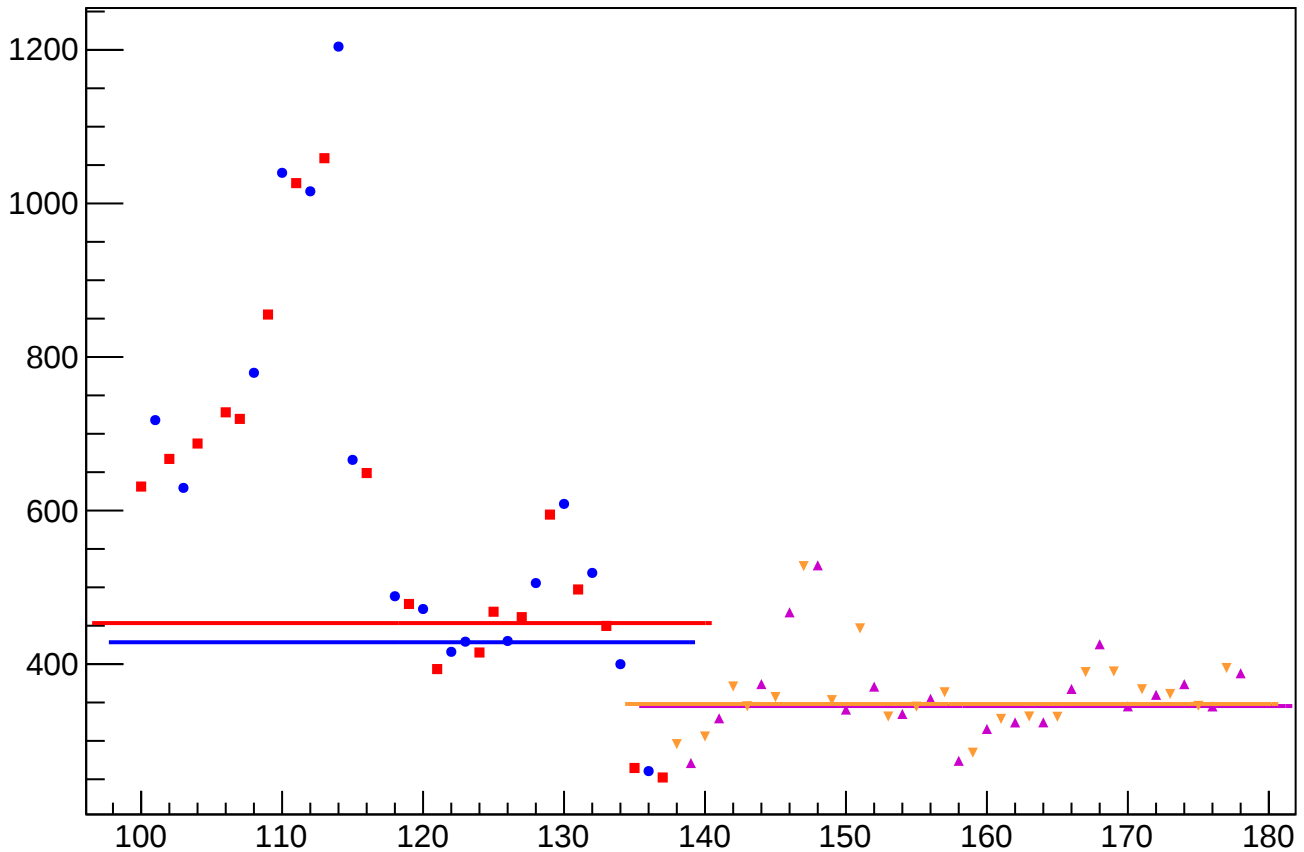
Left In: 121.672 ± 88.720 χ^2/NDF : 34.3/19

+ sign -95.545 ± 79.329 χ^2/NDF : 34.5/37

All: -18.073 ± 56.310 χ^2/NDF : 94.6/76

- sign 60.606 ± 79.944 χ^2/NDF : 58.3/38

asym_sam1_rms vs Slug



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 348.063 $\pm$ 0.062 χ^2 /NDF:498375.1/20

Right Out: 453.435 $\pm$ 0.130 χ^2 /NDF: 2029813.8/18

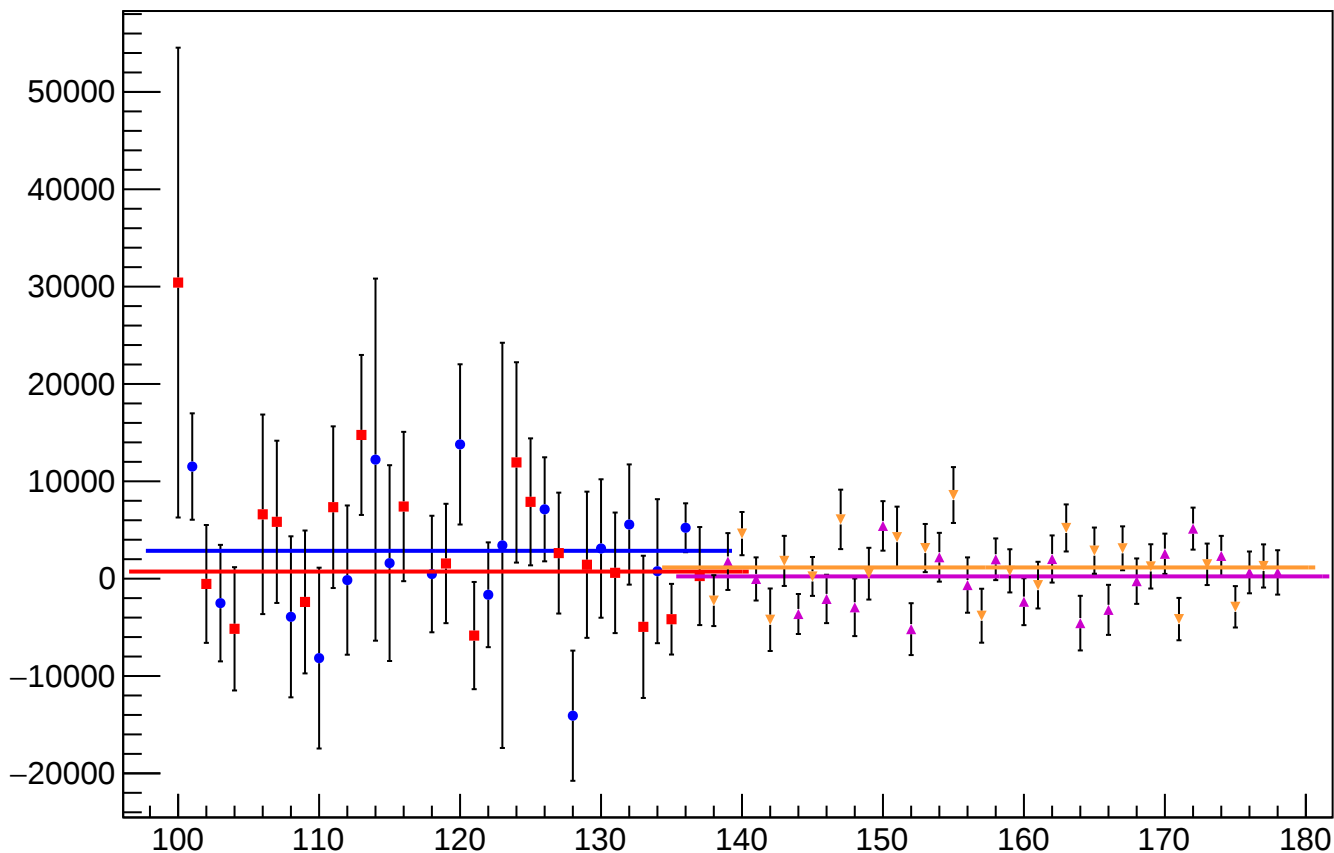
Left In: 345.374 $\pm$ 0.063 χ^2 /NDF:660468.9/19

+ sign 363.632 $\pm$ 0.056 χ^2 /NDF: 2830589.6/37

All: 364.656 $\pm$ 0.040 χ^2 /NDF: 6079495.9/76

- sign 365.695 $\pm$ 0.057 χ^2 /NDF: 3248235.3/38

asym_sam2_mean vs Slug



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 1152.740+/-528.123 χ^2/NDF : 35.8/20

Right Out: 729.571+/-1509.224 χ^2/NDF : 14.0/18

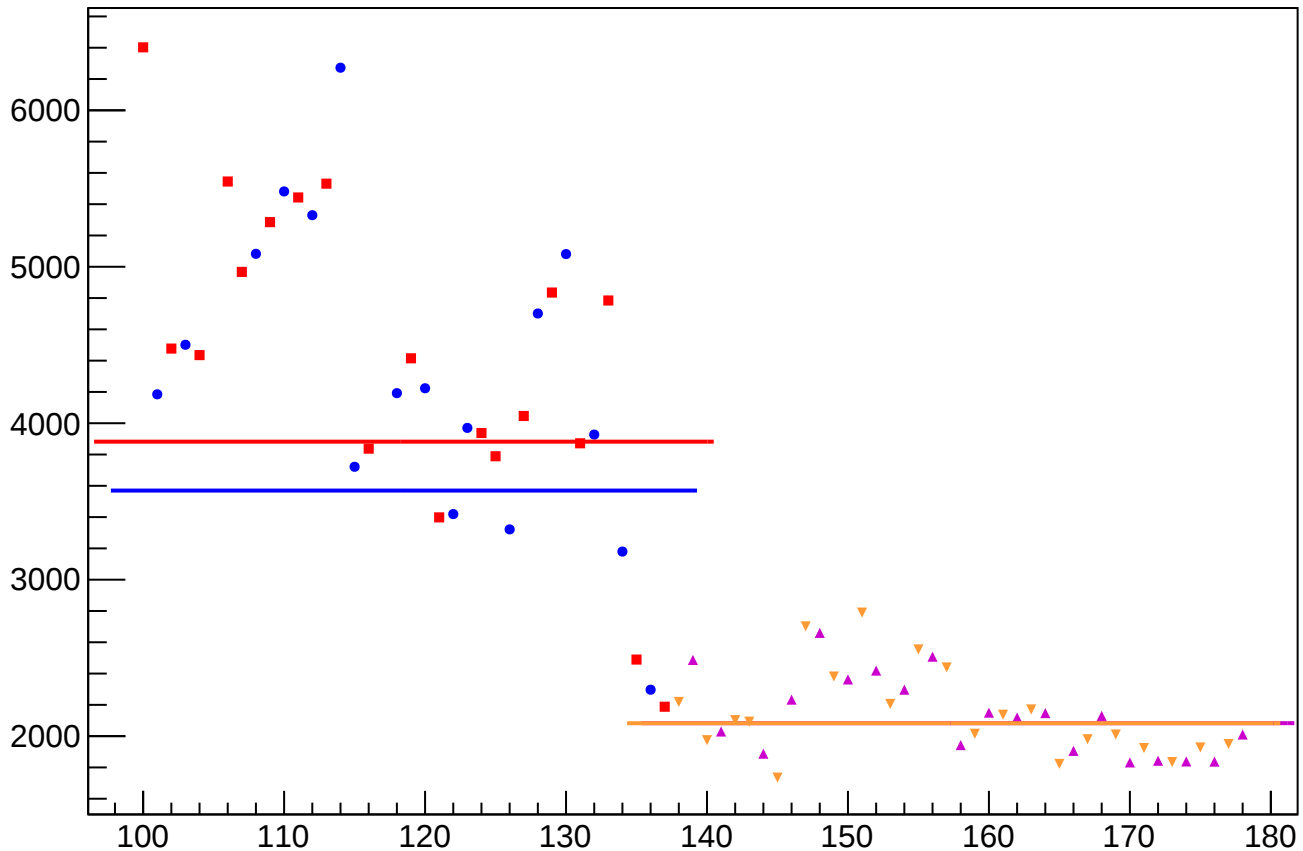
Left In: 232.075+/-532.298 χ^2/NDF : 29.5/19

+ sign 1353.168+/-496.148 χ^2/NDF : 53.6/37

All: 826.381+/-352.877 χ^2/NDF : 99.6/76

- sign 287.114+/-501.990 χ^2/NDF : 43.6/38

asym_sam2_rms vs Slug



Right In: 3569.631 ± 1.024 $\chi^2/\text{NDF}: 1087935.4/16$

Left Out: 2082.497 ± 0.373 $\chi^2/\text{NDF}: 463121.2/20$

Right Out: 3882.169 ± 1.067 $\chi^2/\text{NDF}: 983087.5/18$

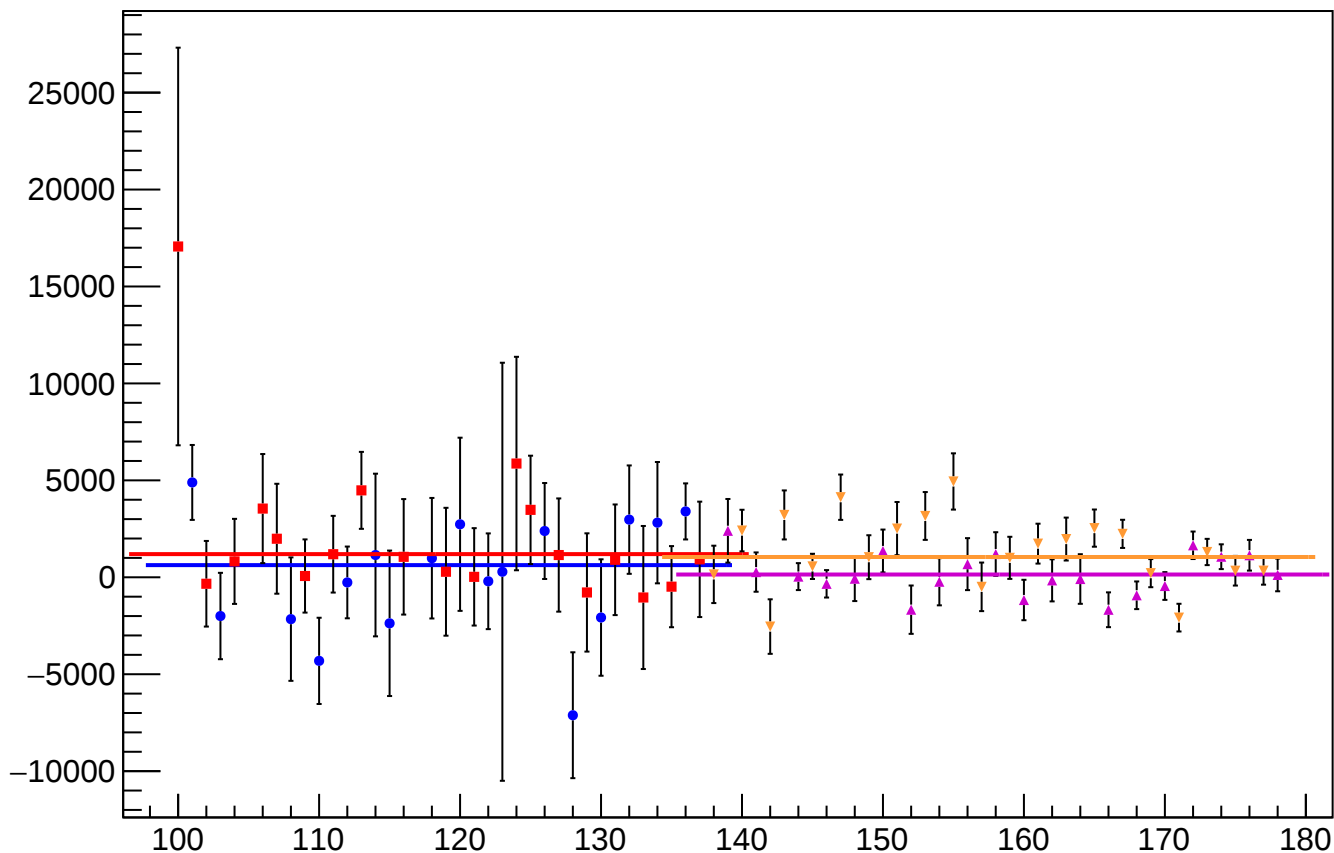
Left In: 2082.913 ± 0.376 $\chi^2/\text{NDF}: 388796.6/19$

+ sign 2257.121 ± 0.351 $\chi^2/\text{NDF}: 3413210.3/37$

All: 2269.400 ± 0.250 $\chi^2/\text{NDF}: 7315644.3/76$

- sign 2281.970 ± 0.355 $\chi^2/\text{NDF}: 3899955.1/38$

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1046.563 ± 204.575 χ^2/NDF : 60.5/20

Right Out: 1195.385 ± 603.058 χ^2/NDF : 9.9/18

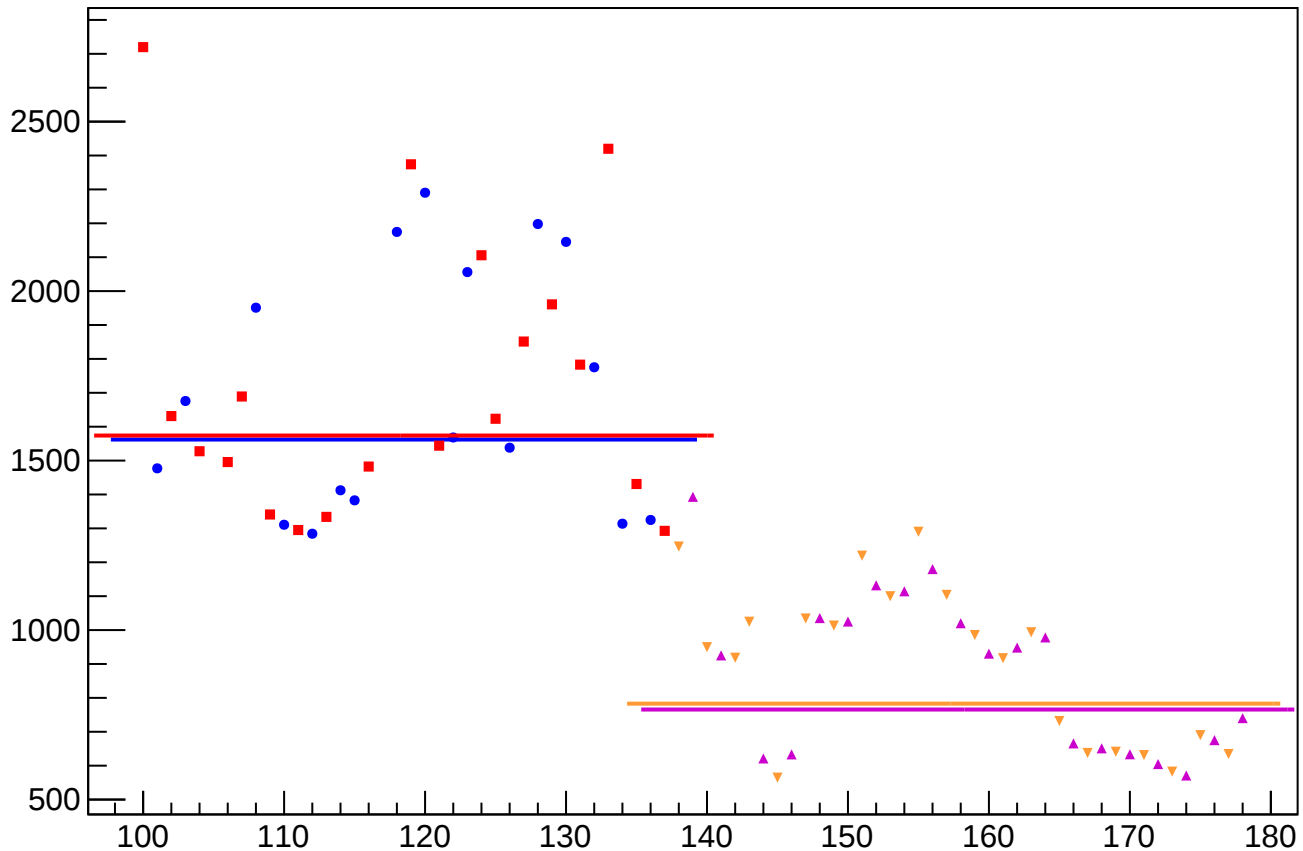
Left In: 143.075 ± 201.533 χ^2/NDF : 23.8/19

+ sign 1005.544 ± 194.301 χ^2/NDF : 85.9/37

All: 620.964 ± 136.261 χ^2/NDF : 130.1/76

- sign 248.790 ± 191.142 χ^2/NDF : 36.4/38

asym_sam3_rms vs Slug



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 782.935 $\pm$ 0.145 χ^2 /NDF: 2164527.6/20

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

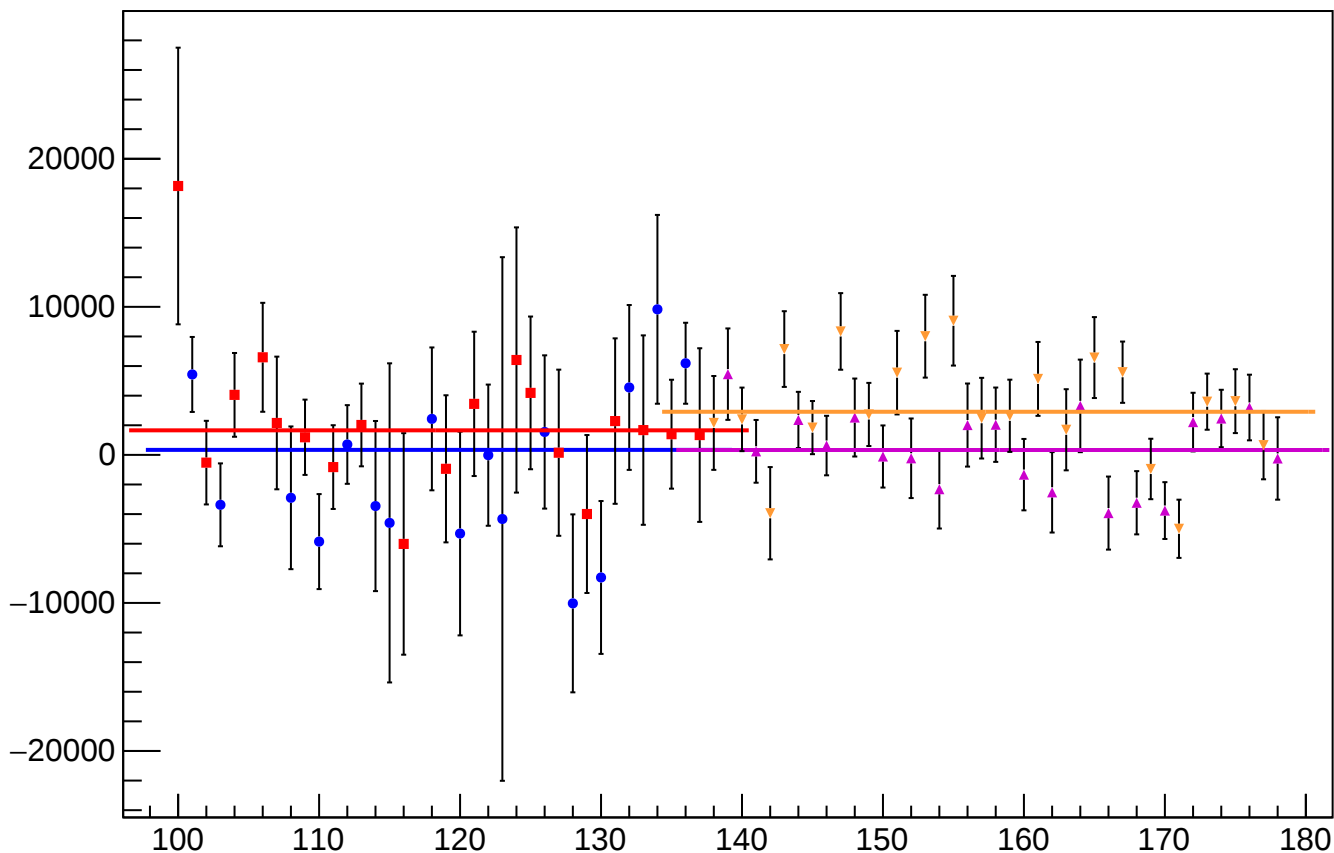
Left In: 765.587 $\pm$ 0.143 χ^2 /NDF: 1971425.4/19

+ sign 859.230 $\pm$ 0.137 χ^2 /NDF: 5487485.1/37

All: 852.909 $\pm$ 0.096 χ^2 /NDF: 11159272.6/70

- sign 846.791 $\pm$ 0.135 χ^2 /NDF: 5667621.3/38

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 2912.909 ± 515.853 χ^2/NDF : 46.2/20

Right Out: 1658.069 ± 924.453 χ^2/NDF : 10.3/18

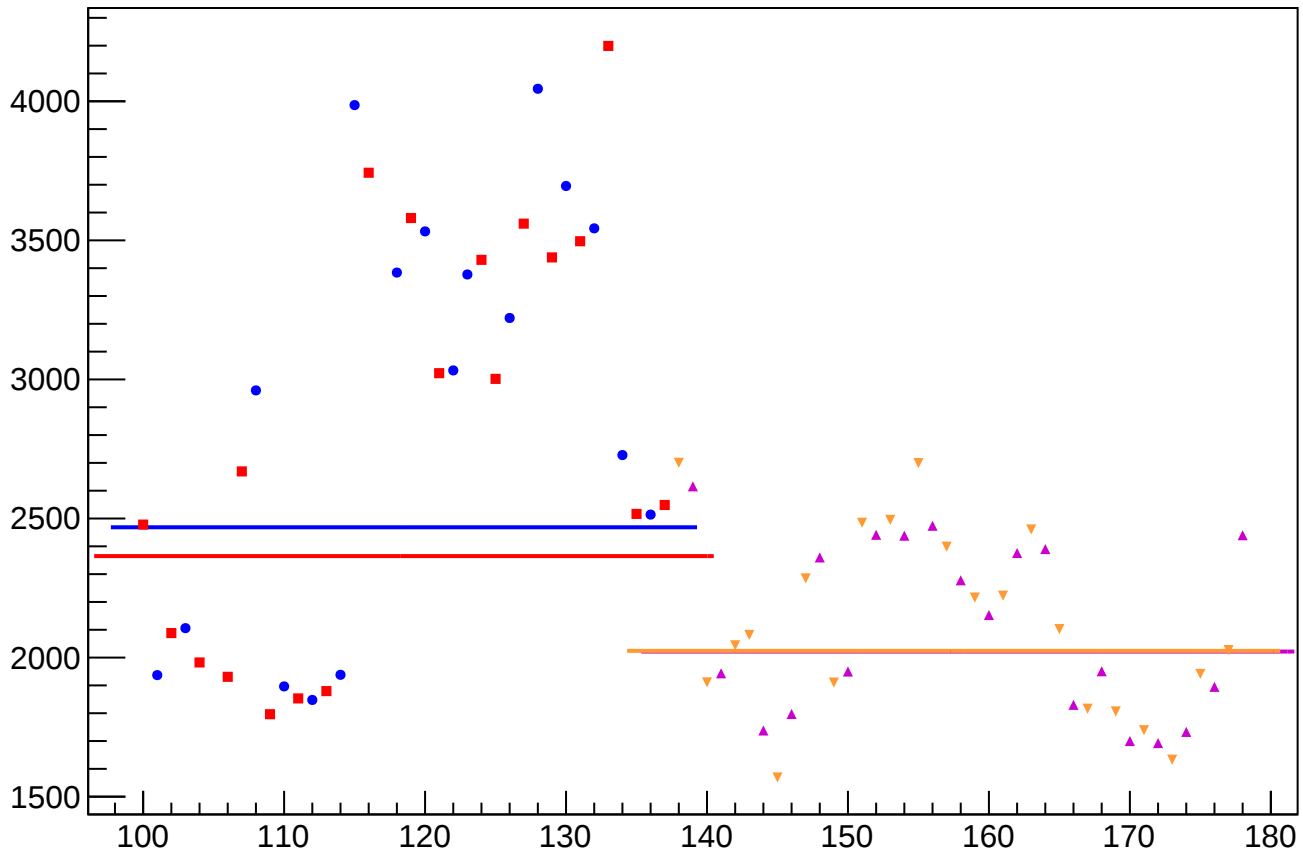
Left In: 329.804 ± 519.319 χ^2/NDF : 23.2/19

+ sign 2368.180 ± 458.046 χ^2/NDF : 76.2/37

All: 1498.338 ± 322.006 χ^2/NDF : 118.4/76

- sign 648.421 ± 452.769 χ^2/NDF : 35.0/38

asym_sam4_rms vs Slug



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2024.222 $\pm$ 0.365 χ^2 /NDF: 749928.8/20

Right Out: 2364.833 $\pm$ 0.654 χ^2 /NDF: 1025161.0/18

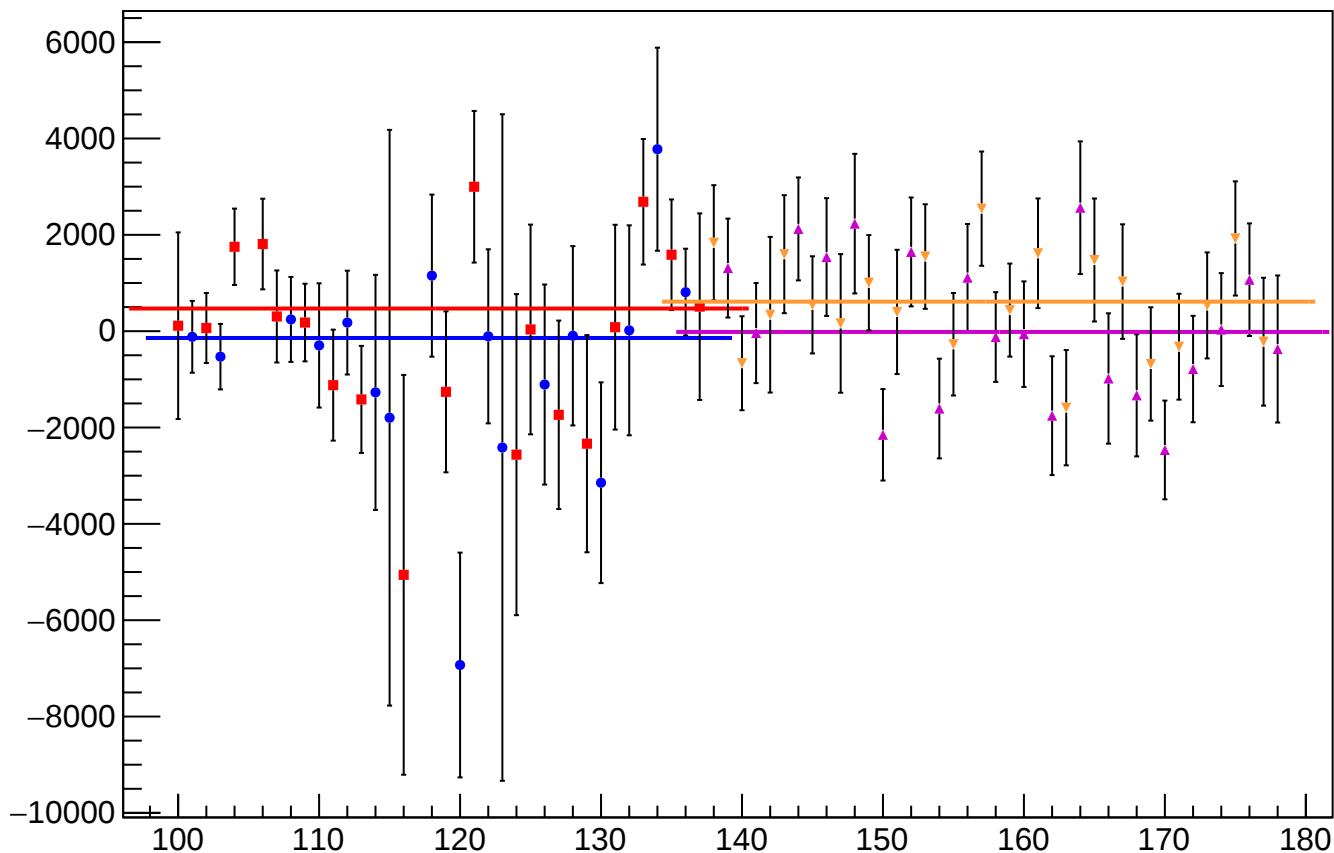
Left In: 2021.675 $\pm$ 0.367 χ^2 /NDF: 641898.0/19

+ sign 2118.212 $\pm$ 0.324 χ^2 /NDF: 1959919.6/37

All: 2111.019 $\pm$ 0.228 χ^2 /NDF: 3837429.3/70

- sign 2103.990 $\pm$ 0.320 χ^2 /NDF: 1876534.5/38

asym_sam5_mean vs Slug



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 613.053 ± 251.185 $\chi^2/\text{NDF}: 16.1/20$

Right Out: 470.143 ± 282.892 $\chi^2/\text{NDF}: 22.9/18$

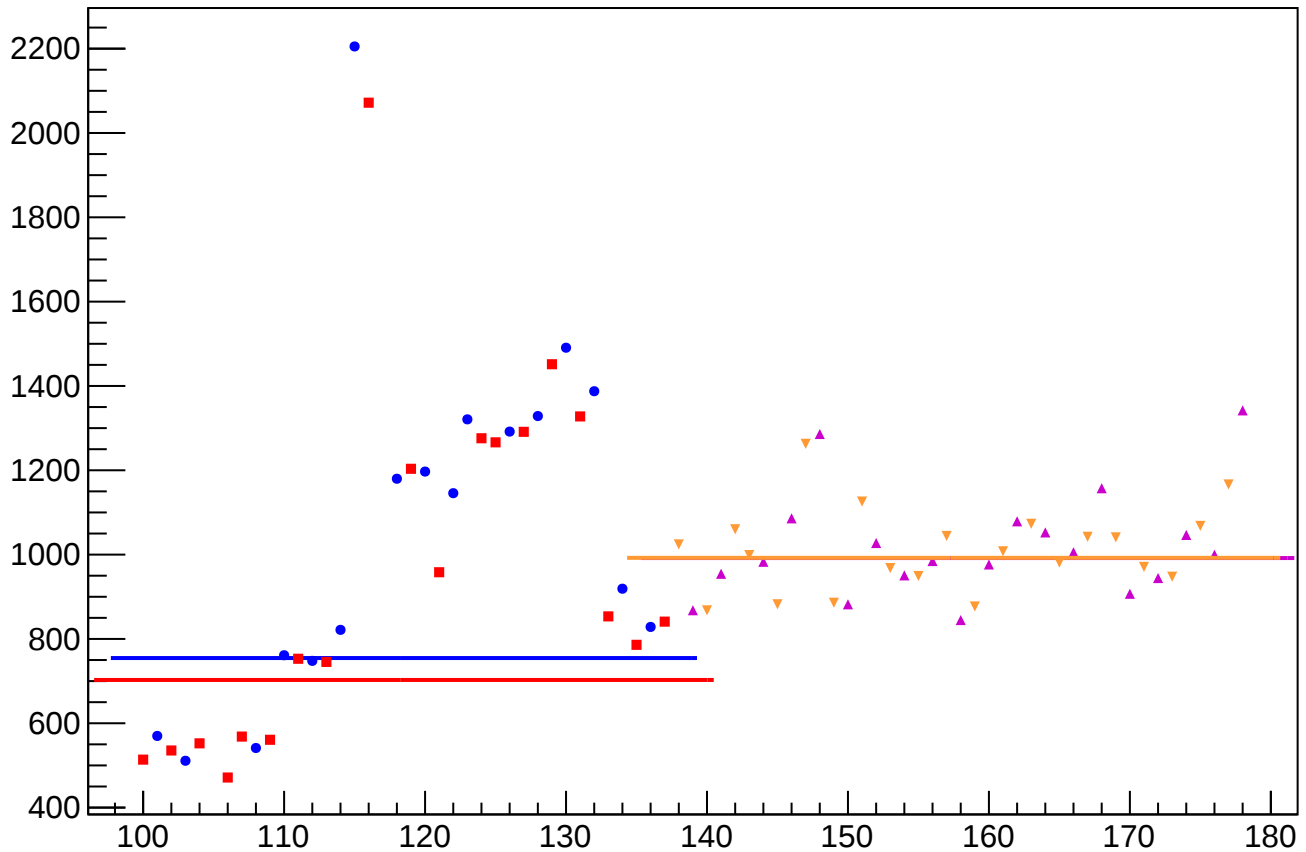
Left In: -15.978 ± 253.786 $\chi^2/\text{NDF}: 34.5/19$

+ sign 317.947 ± 195.980 $\chi^2/\text{NDF}: 36.6/37$

All: 257.220 ± 136.010 $\chi^2/\text{NDF}: 95.9/76$

- sign 200.795 ± 188.909 $\chi^2/\text{NDF}: 59.1/38$

asym_sam5_rms vs Slug



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 992.356 $\pm$ 0.178 χ^2 /NDF: 276527.4/20

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

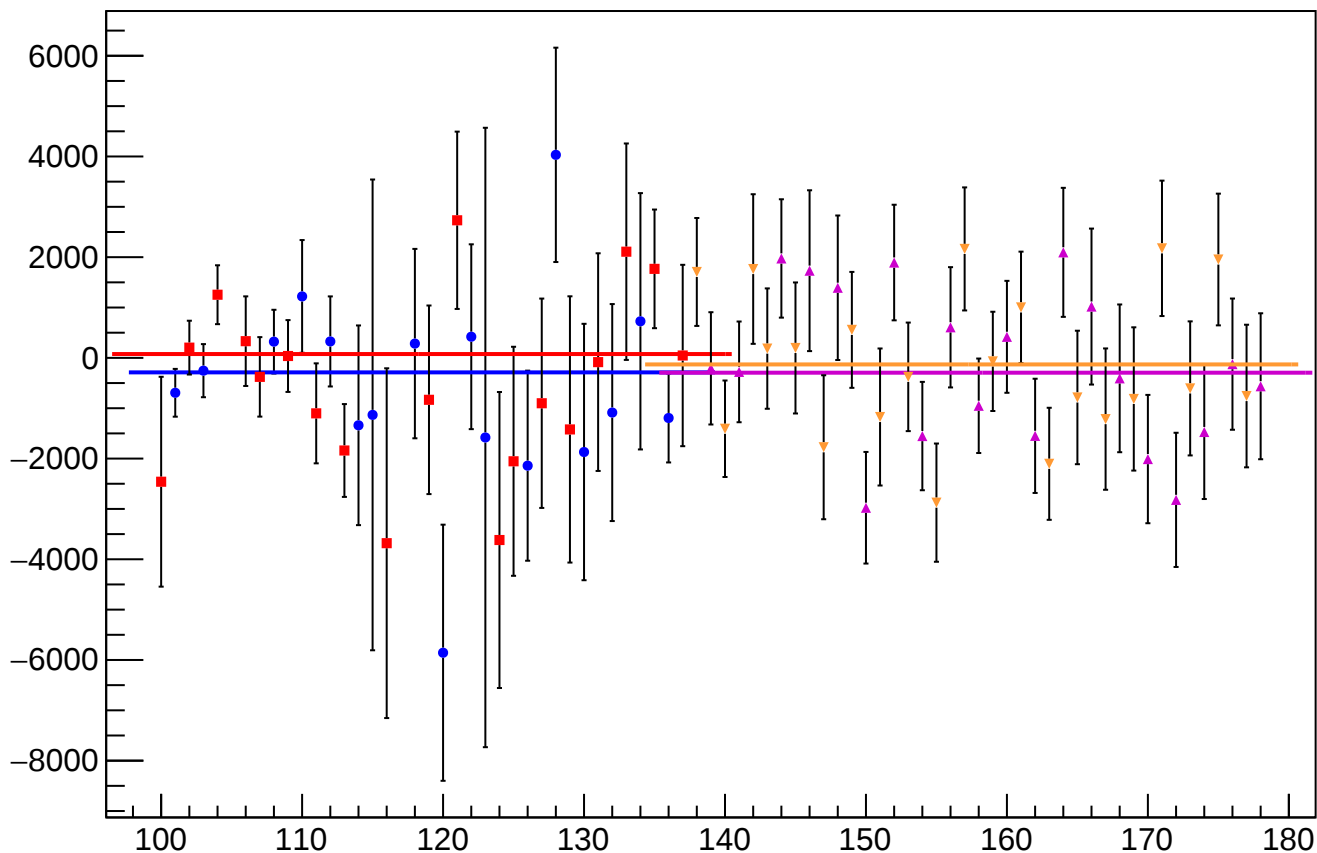
Left In: 991.841 $\pm$ 0.179 χ^2 /NDF: 383596.0/19

+ sign 899.367 $\pm$ 0.139 χ^2 /NDF: 2667722.7/37

All: 880.472 $\pm$ 0.096 χ^2 /NDF: 5936264.8/76

- sign 862.916 $\pm$ 0.134 χ^2 /NDF: 3232677.2/38

asym_sam6_mean vs Slug



Right In: -288.037 $\pm$ 250.436 χ^2 /NDF: 16.2/16

Left Out: -130.059 $\pm$ 265.689 χ^2 /NDF: 28.9/20

Right Out: 76.119 $\pm$ 246.083 χ^2 /NDF: 21.4/18

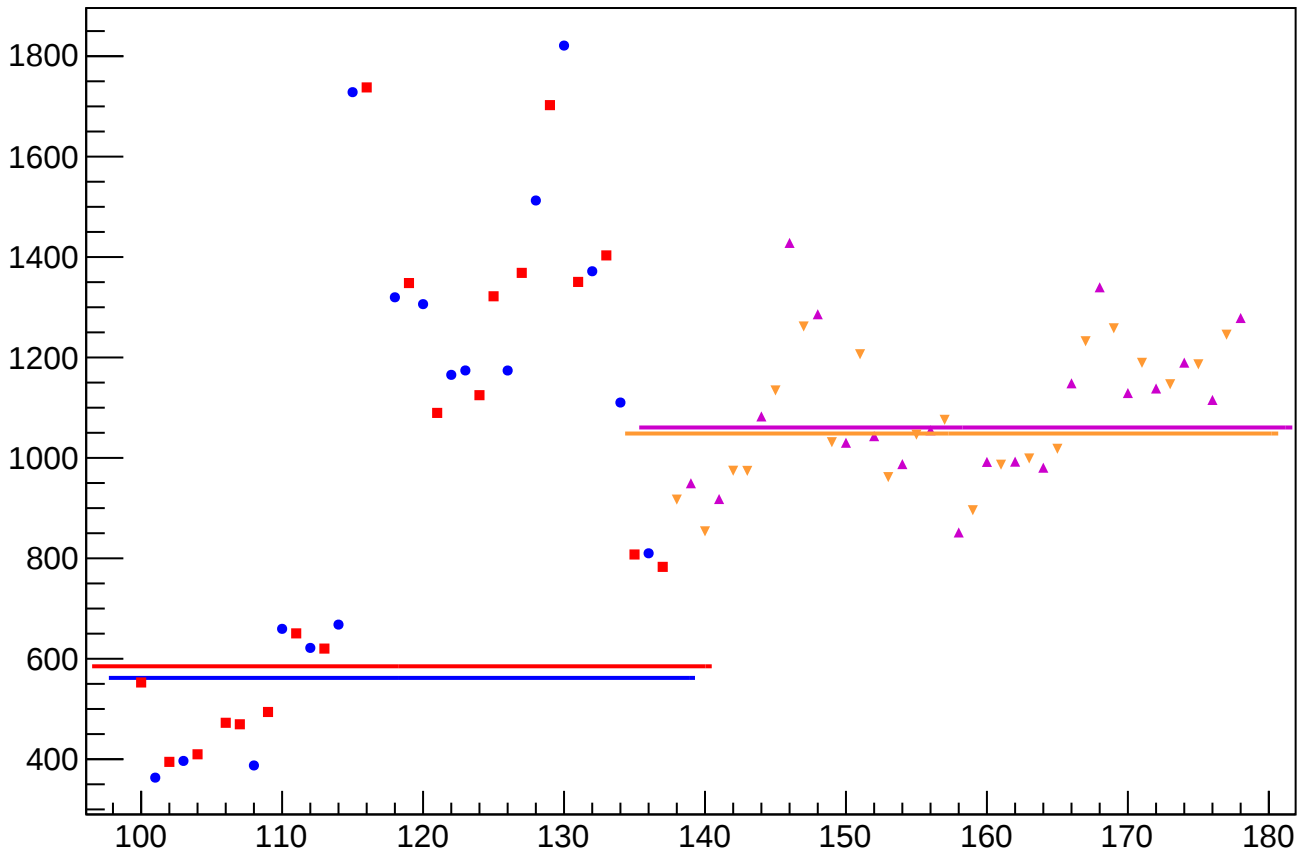
Left In: -294.452 $\pm$ 271.527 χ^2 /NDF: 30.7/19

+ sign -213.713 $\pm$ 182.239 χ^2 /NDF: 45.2/37

All: -152.388 $\pm$ 128.898 χ^2 /NDF: 98.5/76

- sign -90.994 $\pm$ 182.341 χ^2 /NDF: 53.1/38

asym_sam6_rms vs Slug



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1048.556 $\pm$ 0.188 χ^2 /NDF: 450737.5/20

+ sign 790.854 $\pm$ 0.129 χ^2 /NDF: 7220637.6/37

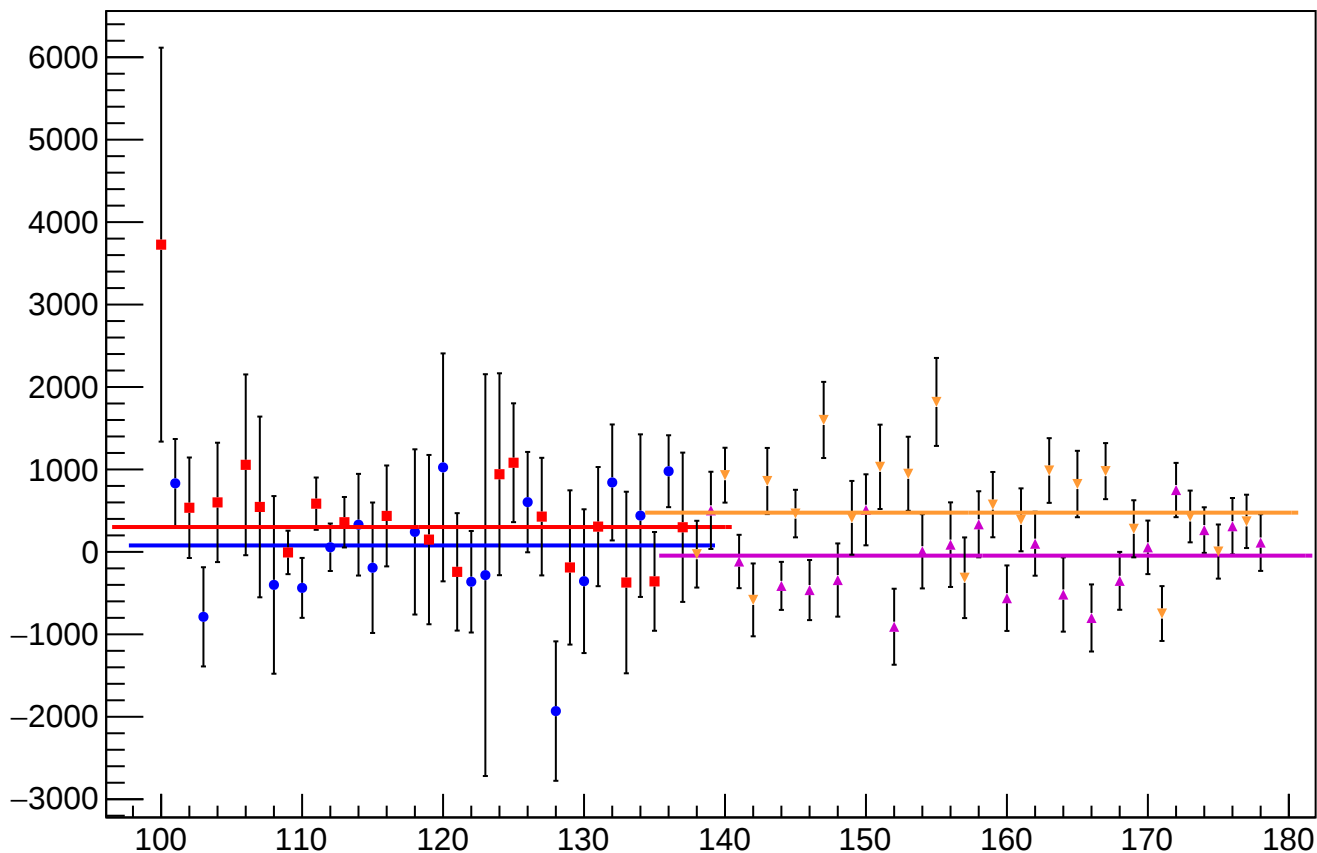
Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

All: 795.157 $\pm$ 0.091 χ^2 /NDF: 13924635.6/76

- sign 799.465 $\pm$ 0.129 χ^2 /NDF: 6701766.8/38

Left In: 1060.580 $\pm$ 0.192 χ^2 /NDF: 508582.5/19

asym_sam7_mean vs Slug



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 475.869 ± 82.890 χ^2/NDF : 48.0/20

Right Out: 301.651 ± 129.650 χ^2/NDF : 9.1/18

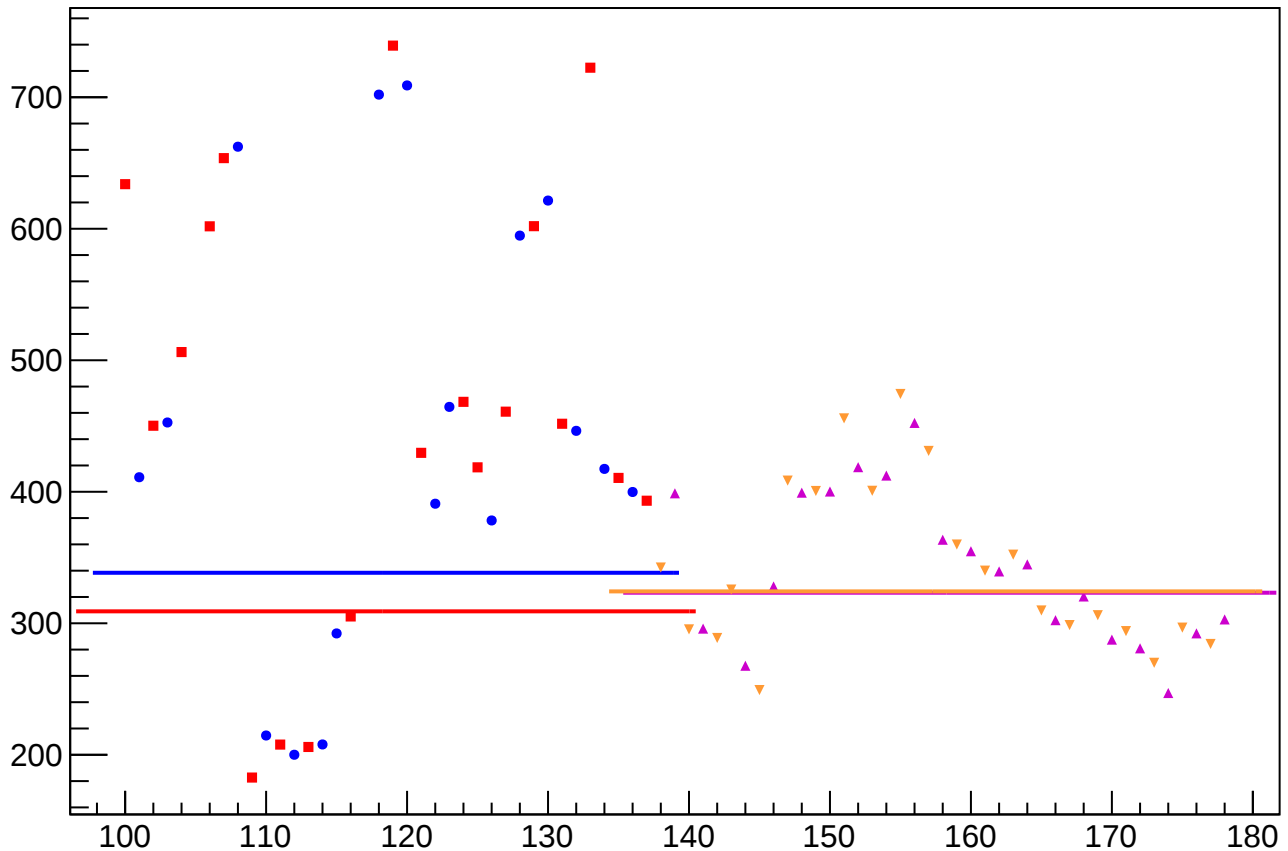
Left In: -45.463 ± 83.225 χ^2/NDF : 26.5/19

+ sign 375.717 ± 71.697 χ^2/NDF : 73.6/37

All: 212.028 ± 50.100 χ^2/NDF : 124.5/76

- sign 55.831 ± 70.037 χ^2/NDF : 40.7/38

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 324.253 $\pm$ 0.059 χ^2 /NDF: 906108.0/20

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

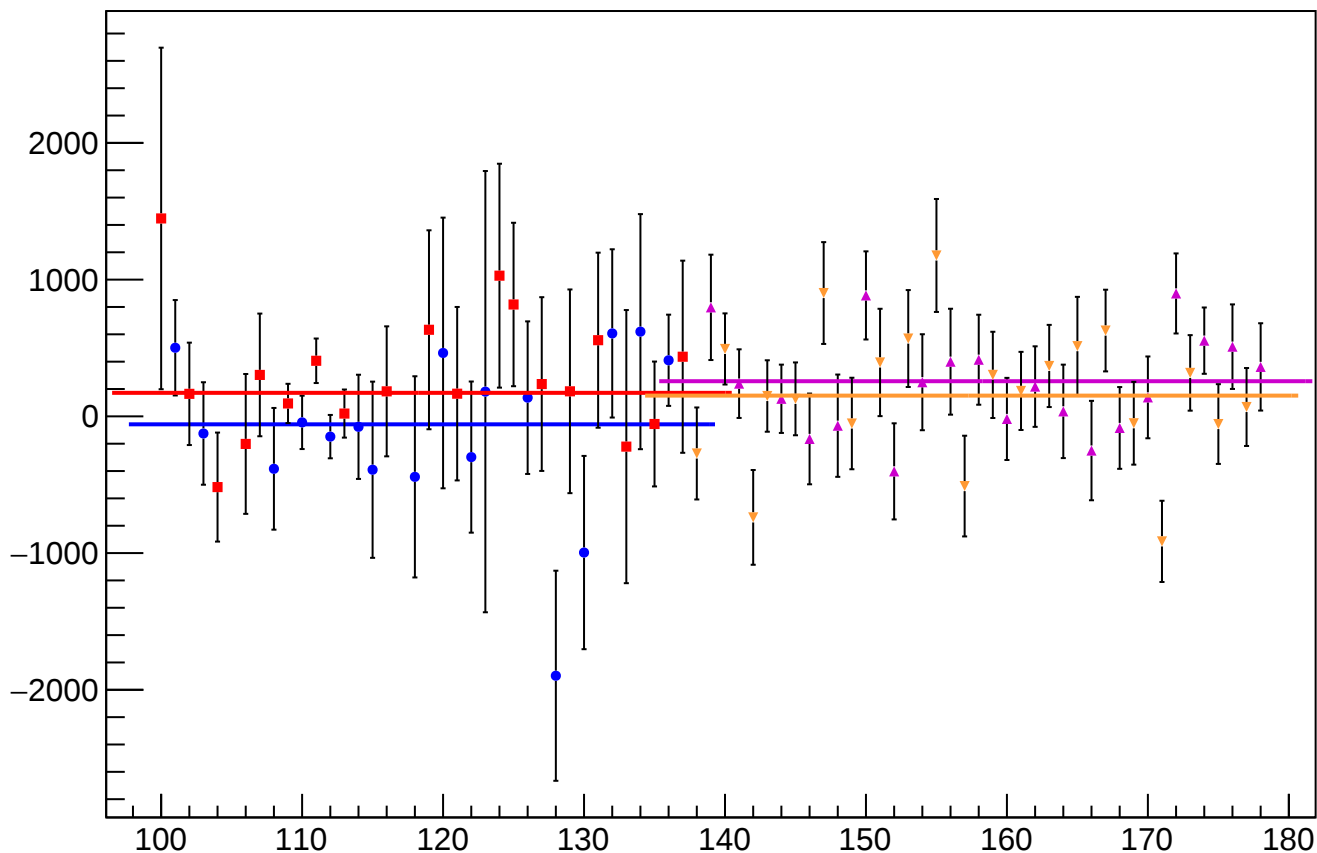
Left In: 323.242 $\pm$ 0.059 χ^2 /NDF: 831382.2/19

+ sign 327.818 $\pm$ 0.051 χ^2 /NDF: 2930082.1/37

All: 323.362 $\pm$ 0.035 χ^2 /NDF: 6526924.9/76

- sign 319.110 $\pm$ 0.050 χ^2 /NDF: 3581744.9/38

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 151.698 ± 68.008 χ^2/NDF : 44.1/20

Right Out: 171.954 ± 76.920 χ^2/NDF : 11.3/18

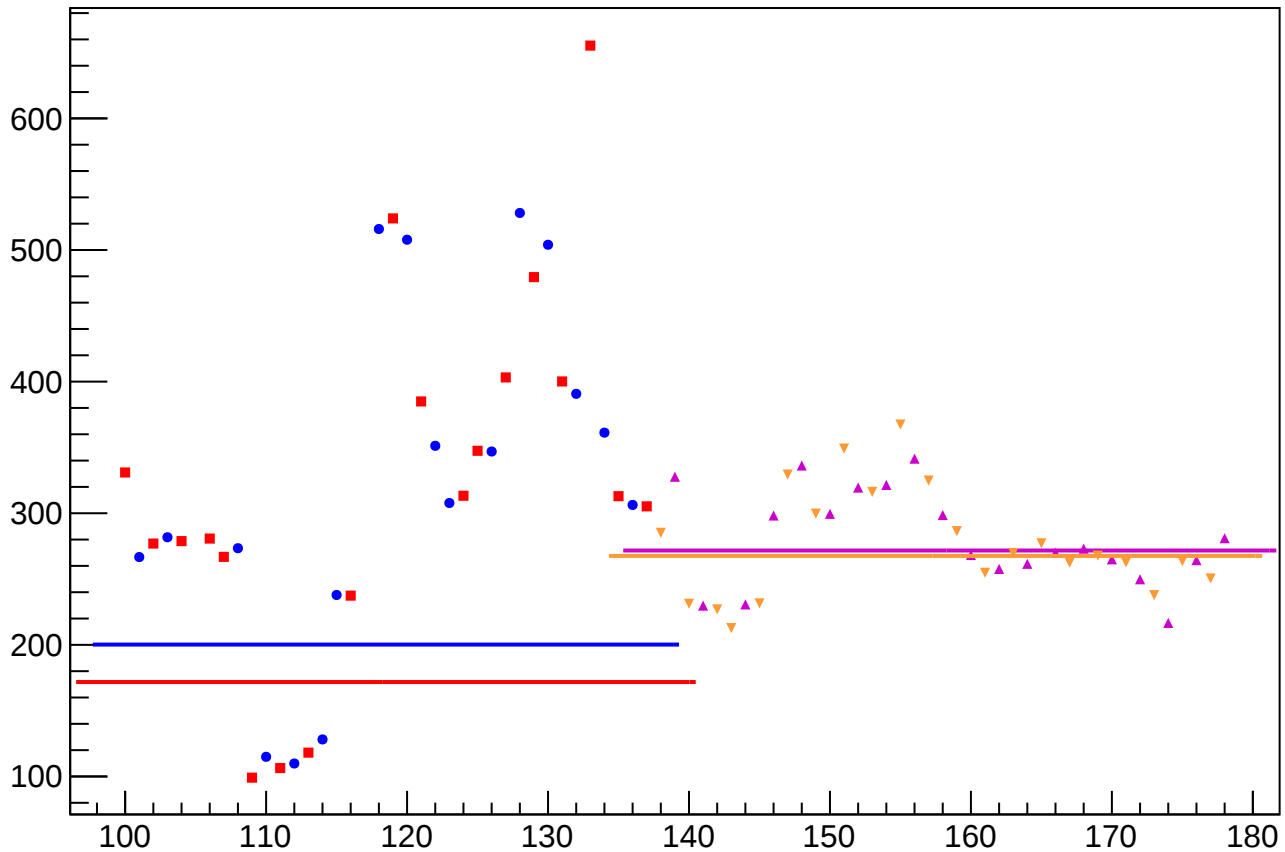
Left In: 257.045 ± 69.565 χ^2/NDF : 24.0/19

+ sign 75.893 ± 54.364 χ^2/NDF : 63.4/37

All: 151.060 ± 37.424 χ^2/NDF : 103.1/76

- sign 218.762 ± 51.595 χ^2/NDF : 36.1/38

asym_sam8_rms vs Slug



Right In: 200.209 $\pm$ 0.064 χ^2 /NDF: 3387197.7/16

Left Out: 267.565 $\pm$ 0.048 χ^2 /NDF: 603981.4/20

Right Out: 171.757 $\pm$ 0.054 χ^2 /NDF: 4093922.6/18

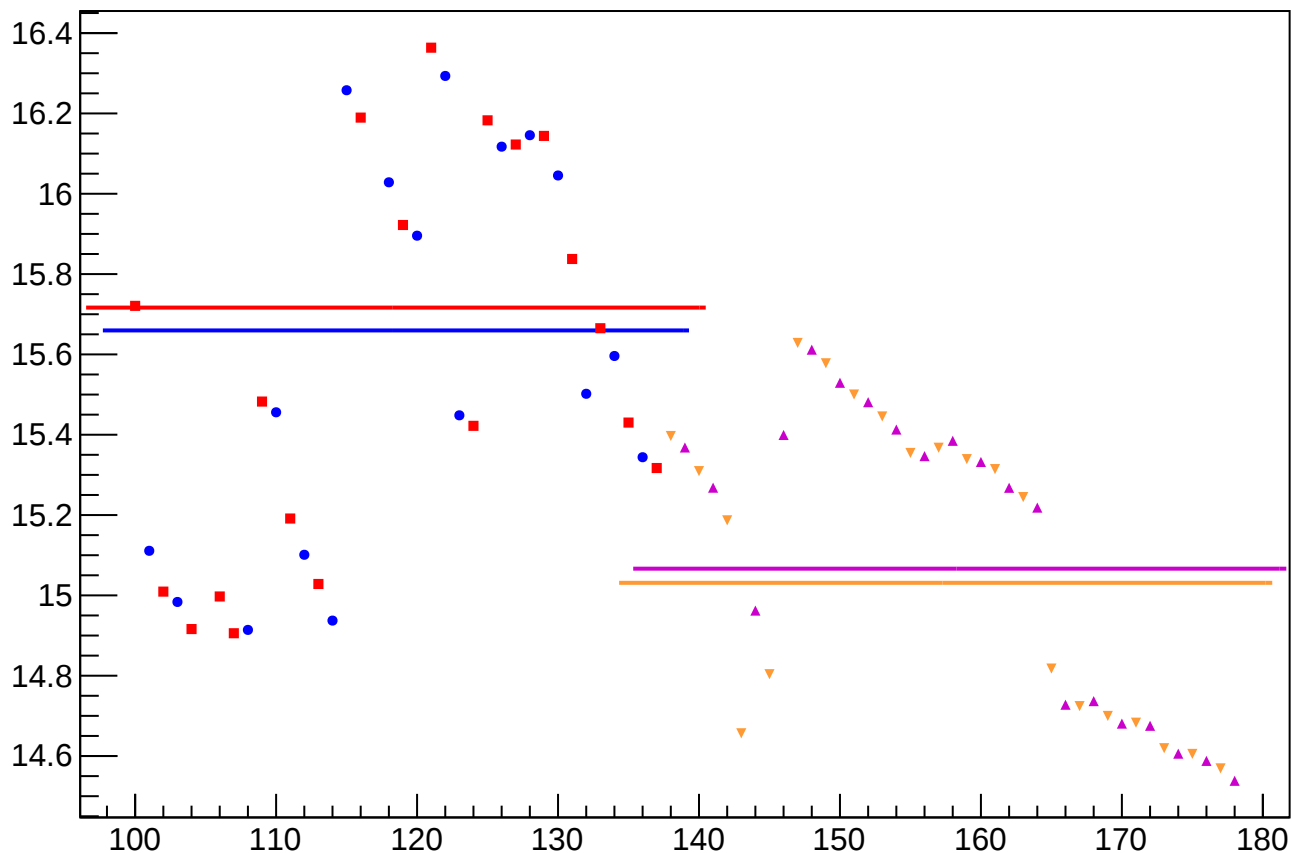
Left In: 271.689 $\pm$ 0.049 χ^2 /NDF: 519376.0/19

+ sign 243.251 $\pm$ 0.038 χ^2 /NDF: 4699376.6/37

All: 234.558 $\pm$ 0.026 χ^2 /NDF: 11266778.3/70

- sign 226.728 $\pm$ 0.036 χ^2 /NDF: 6470205.3/38

yield_sam1_mean vs Slug



Right In: 15.660+/-0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.031+/-0.000 χ^2/NDF : 17711615581.3/20

Right Out: 15.717+/-0.000 χ^2/NDF : 5461829475.3/18

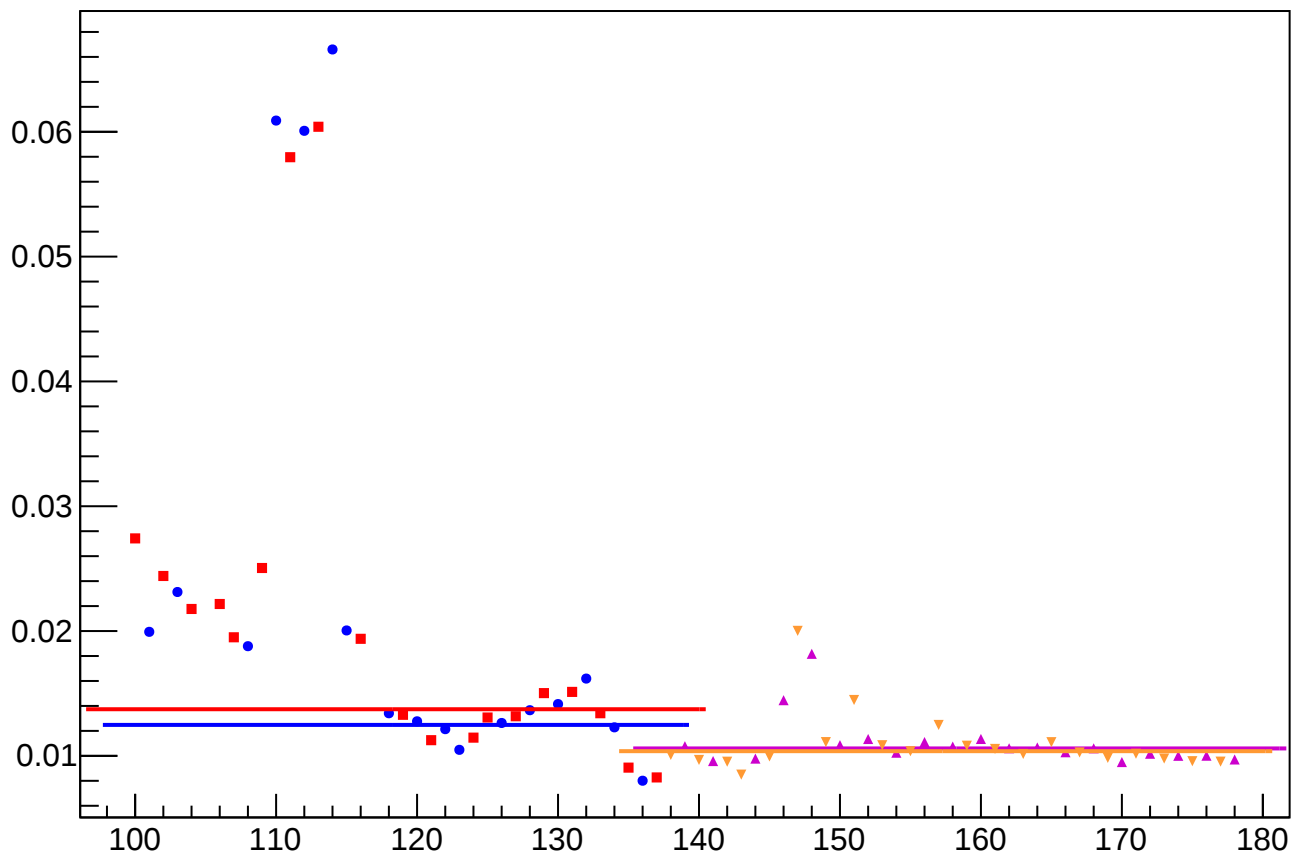
Left In: 15.067+/-0.000 χ^2/NDF : 16686078720.1/19

+ sign 15.153+/-0.000 χ^2/NDF : 34030094676.7/37

All: 15.168+/-0.000 χ^2/NDF : 66245838783.5

- sign 15.184+/-0.000 χ^2/NDF : 32136288034.3/38

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:635449.9/20

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

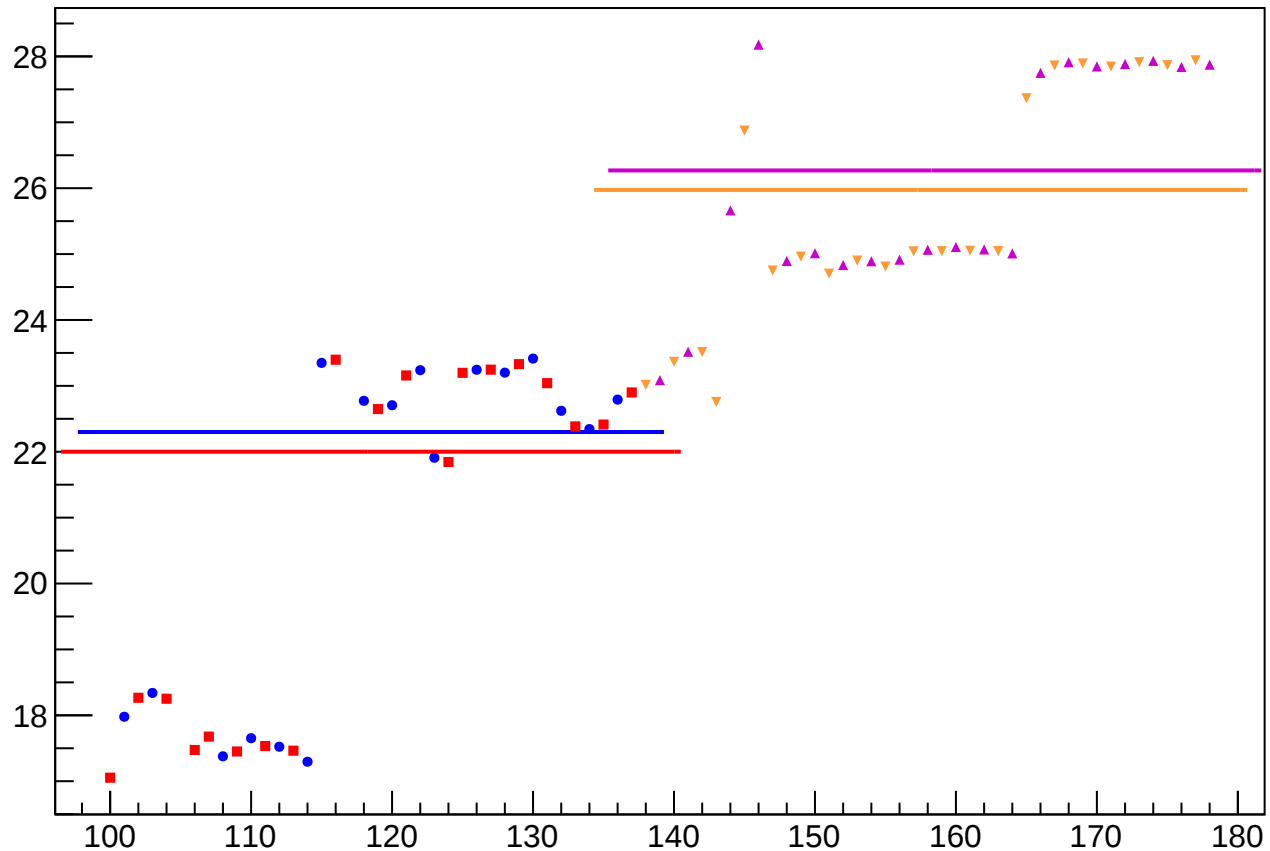
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:465805.6/19

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3024672.0/37

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 6058209.8/76

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3009762.4/38

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2 /NDF: 938398636.8/16

Left Out: 25.973+/-0.000 χ^2 /NDF:3657374938.0/20

Right Out: 22.001+/-0.000 χ^2 /NDF: 1066041325.5/18

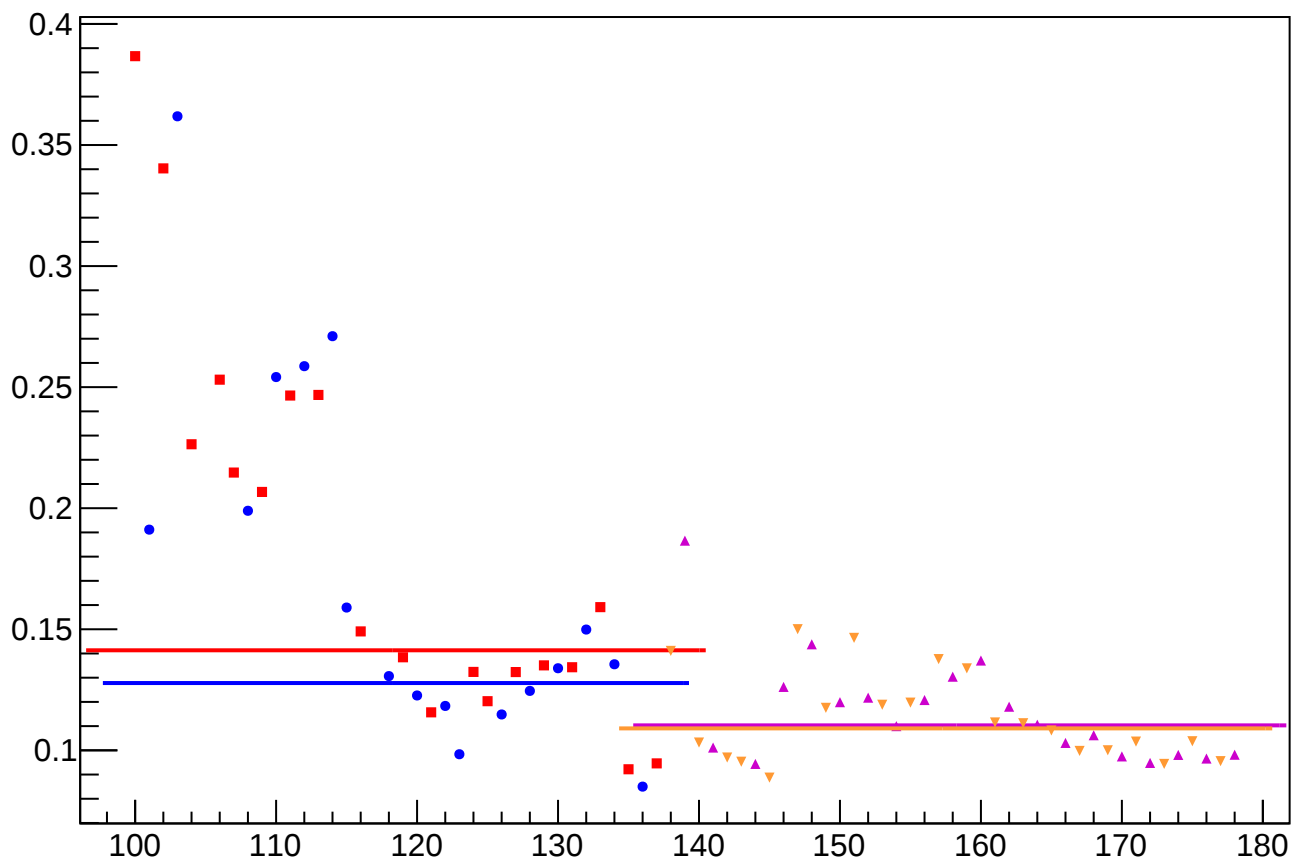
Left In: 26.269+/-0.000 χ^2 /NDF:2801543841.4/19

+ sign 25.187+/-0.000 χ^2 /NDF: 7881000923.9/37

All: 25.296+/-0.000 χ^2 /NDF: 15798627755.3

- sign 25.411+/-0.000 χ^2 /NDF: 7882325642.1/38

yield_sam2_rms vs Slug



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.109 $\pm$ 0.000 χ^2 /NDF:595863.6/20

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1449275.1/18

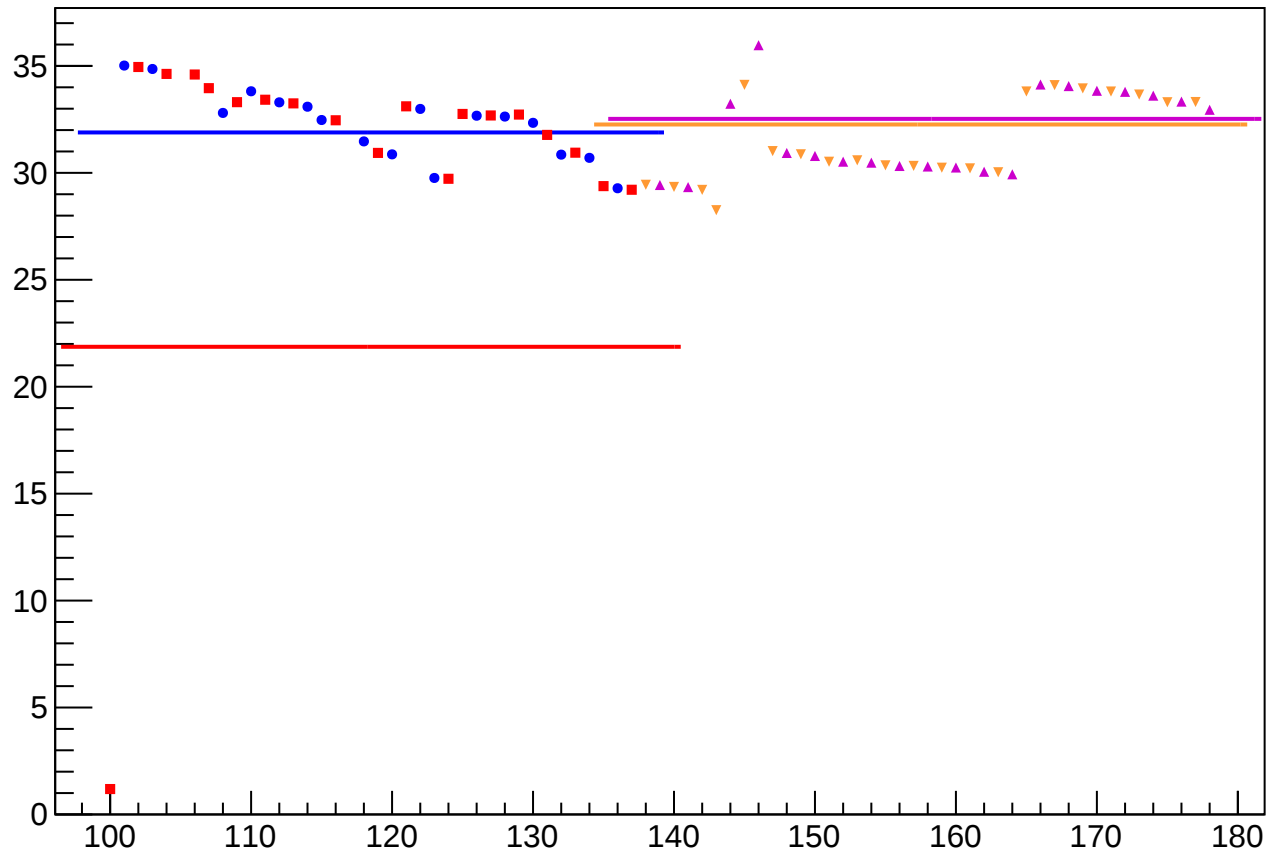
Left In: 0.110 $\pm$ 0.000 χ^2 /NDF:653682.1/19

+ sign 0.113 $\pm$ 0.000 χ^2 /NDF: 2258813.6/37

All: 0.115 $\pm$ 0.000 χ^2 /NDF: 4802371.9/76

- sign 0.117 $\pm$ 0.000 χ^2 /NDF: 2526536.0/38

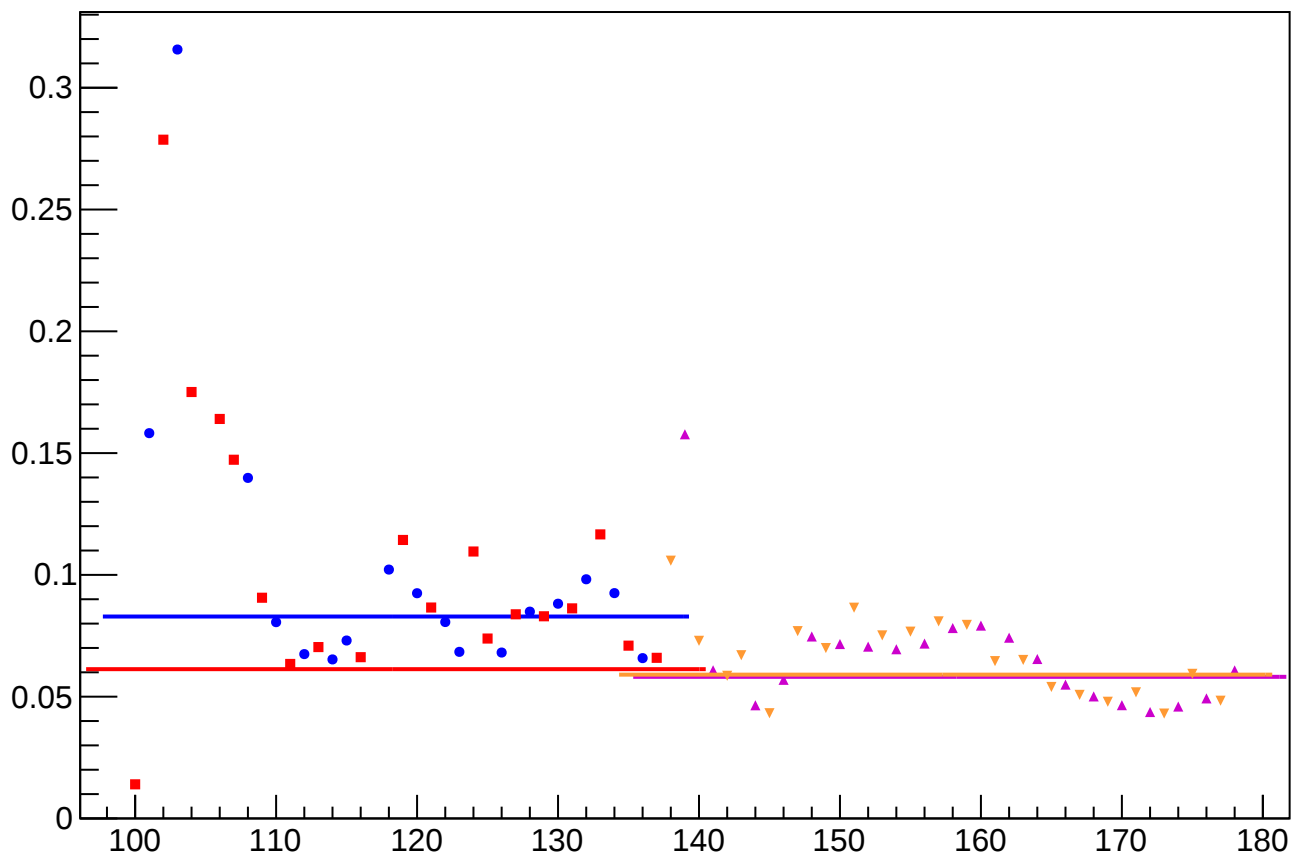
yield_sam3_mean vs Slug



Right In: 31.889 $\pm$ 0.000 χ^2/NDF : 1930403776.3/16
 Left Out: 32.261 $\pm$ 0.000 χ^2/NDF : 12080321819.3/20
 Right Out: 21.867 $\pm$ 0.000 χ^2/NDF : 230068750081.7/18
 Left In: 32.524 $\pm$ 0.000 χ^2/NDF : 11702957664.3/19

+ sign 32.198 $\pm$ 0.000 χ^2/NDF : 14092497364.1/37
 All: 31.062 $\pm$ 0.000 χ^2/NDF : 358618429401.
 - sign 30.022 $\pm$ 0.000 χ^2/NDF : 334274133872.3/38

yield_sam3_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1351874.1/20

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

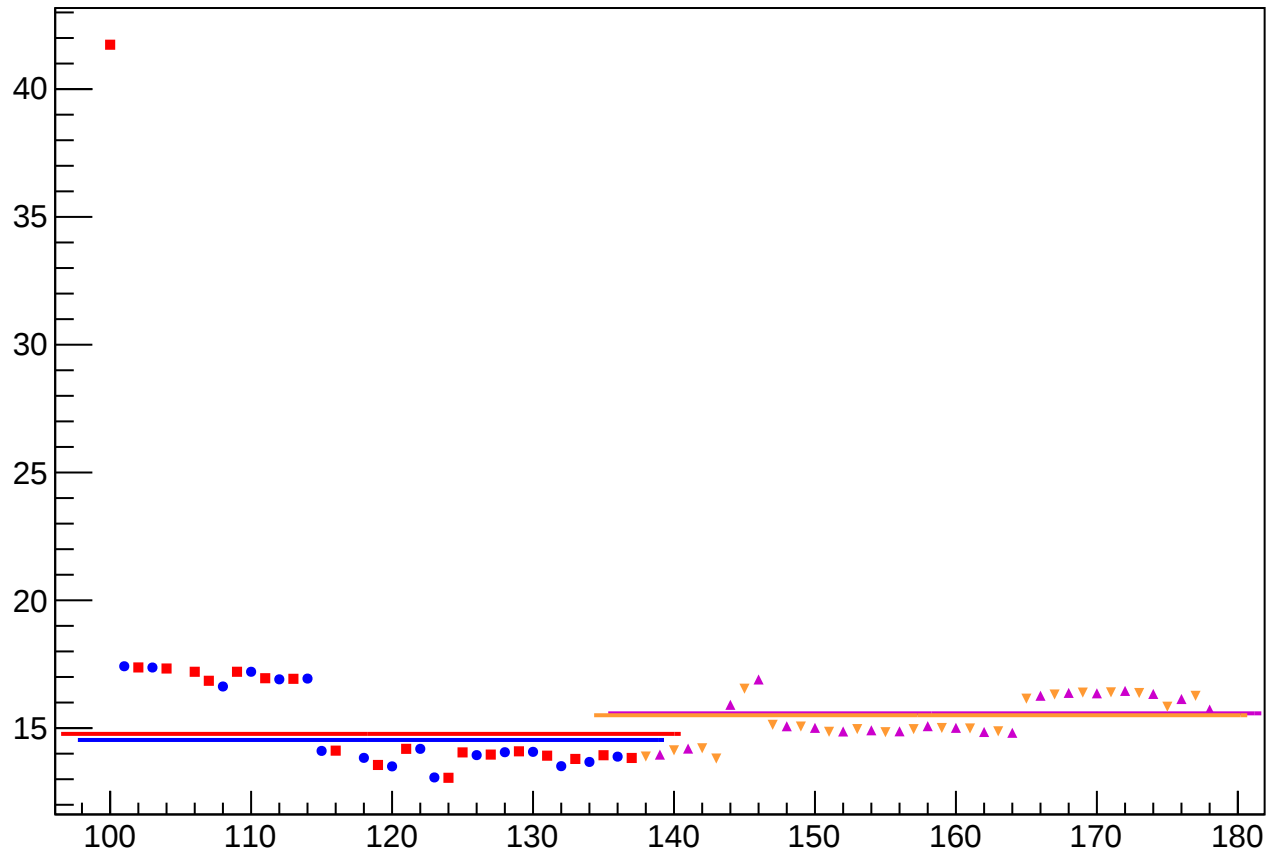
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1513916.5/19

+ sign 0.063 $\pm$ 0.000 χ^2 /NDF: 3188705.3/37

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 8401066.2/76

- sign 0.059 $\pm$ 0.000 χ^2 /NDF: 5133880.0/38

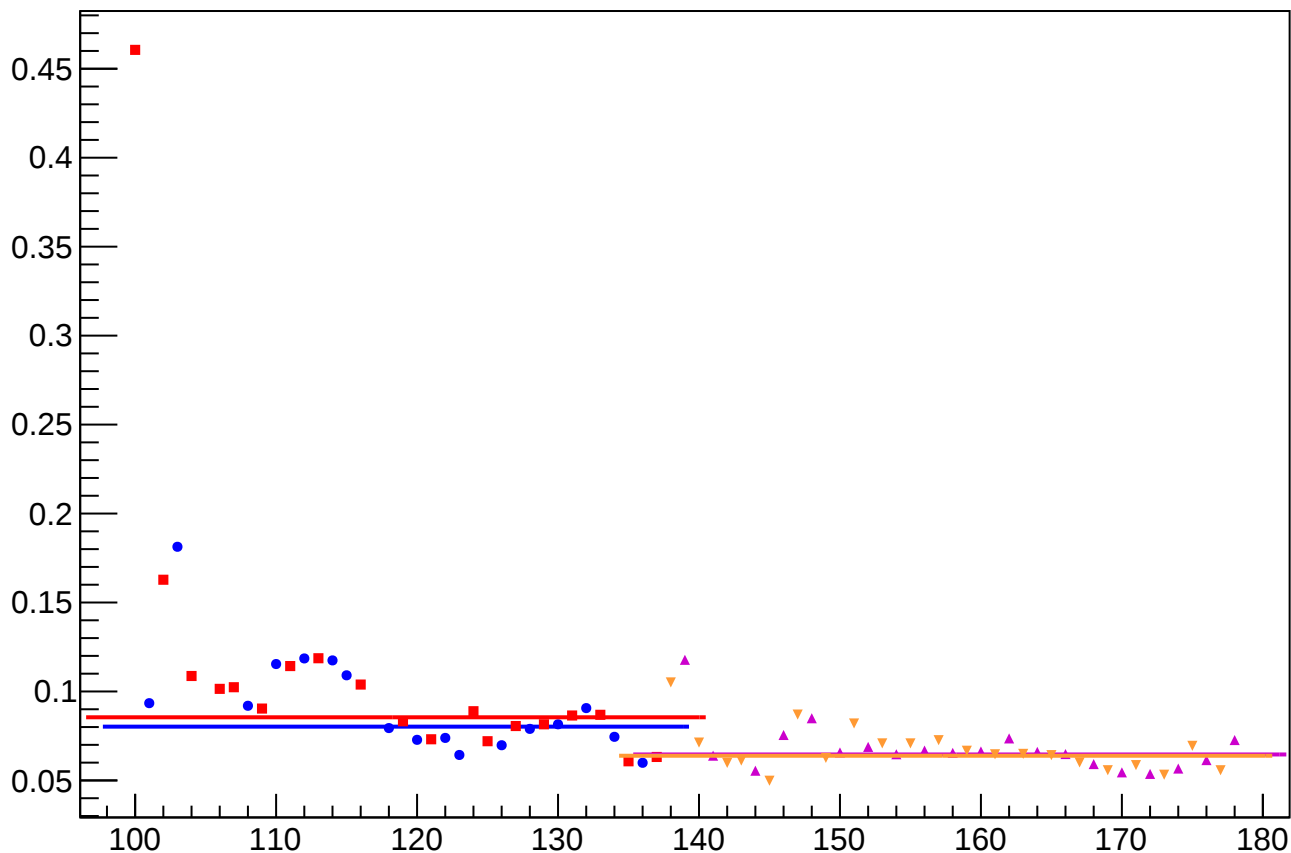
yield_sam4_mean vs Slug



Right In: 14.536 ± 0.000 χ^2/NDF : 1470499792.7/16
 Left Out: 15.503 ± 0.000 χ^2/NDF : 2356382589.6/20
 Right Out: 14.774 ± 0.000 χ^2/NDF : 1886755709.2/18
 Left In: 15.577 ± 0.000 χ^2/NDF : 1871311787.5/19

+ sign 15.302 ± 0.000 χ^2/NDF : 4462567504.2/37
 All: 15.357 ± 0.000 χ^2/NDF : 8659719899.6/7
 - sign 15.414 ± 0.000 χ^2/NDF : 4171746410.7/38

yield_sam4_rms vs Slug



Right In: 0.080 ± 0.000 χ^2/NDF : 778734.5/16

Left Out: 0.064 ± 0.000 χ^2/NDF : 664268.4/20

Right Out: 0.085 ± 0.000 χ^2/NDF : 738043.0/18

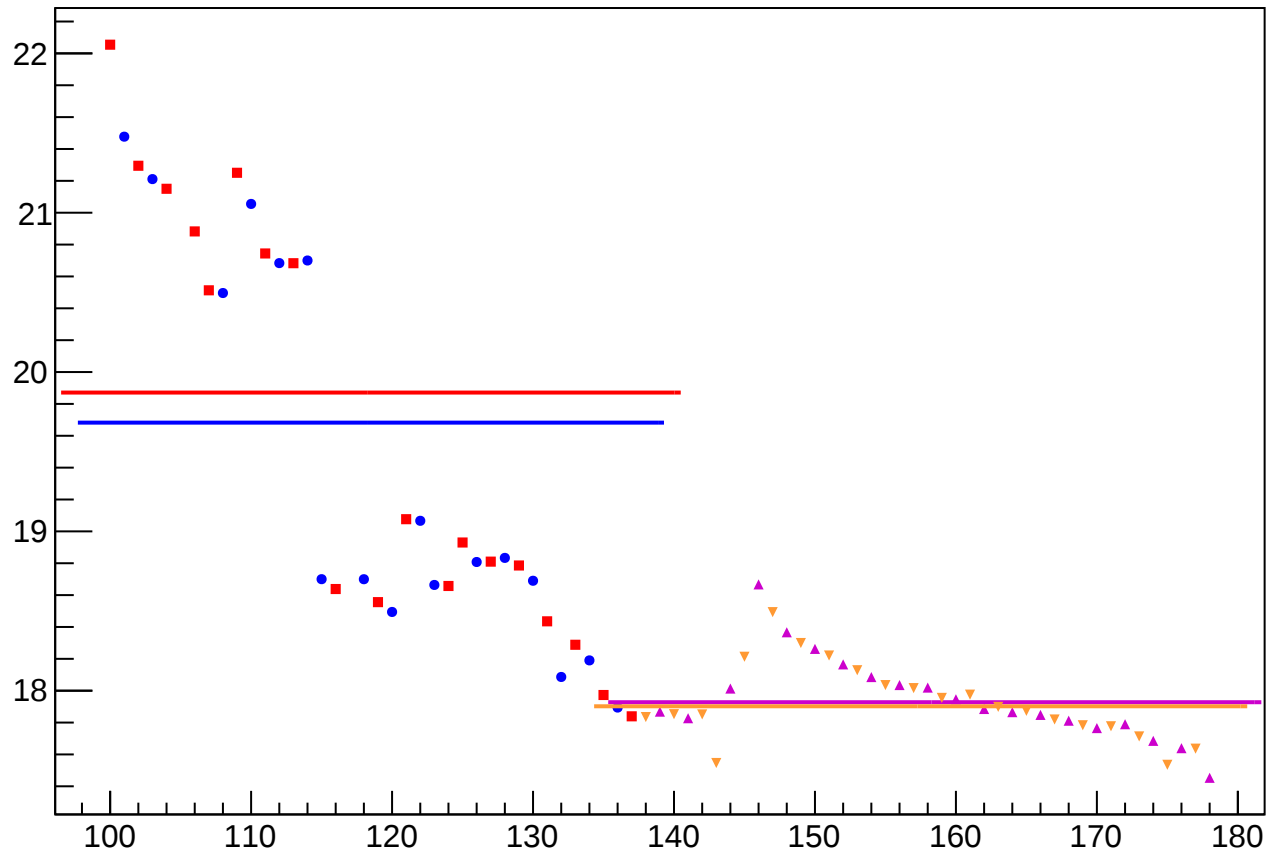
Left In: 0.065 ± 0.000 χ^2/NDF : 623540.2/19

+ sign 0.067 ± 0.000 χ^2/NDF : 1806238.4/37

All: 0.068 ± 0.000 χ^2/NDF : 3737013.3/76

- sign 0.069 ± 0.000 χ^2/NDF : 1920920.0/38

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.902+/-0.000 χ^2/NDF : 794298248.4/20

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

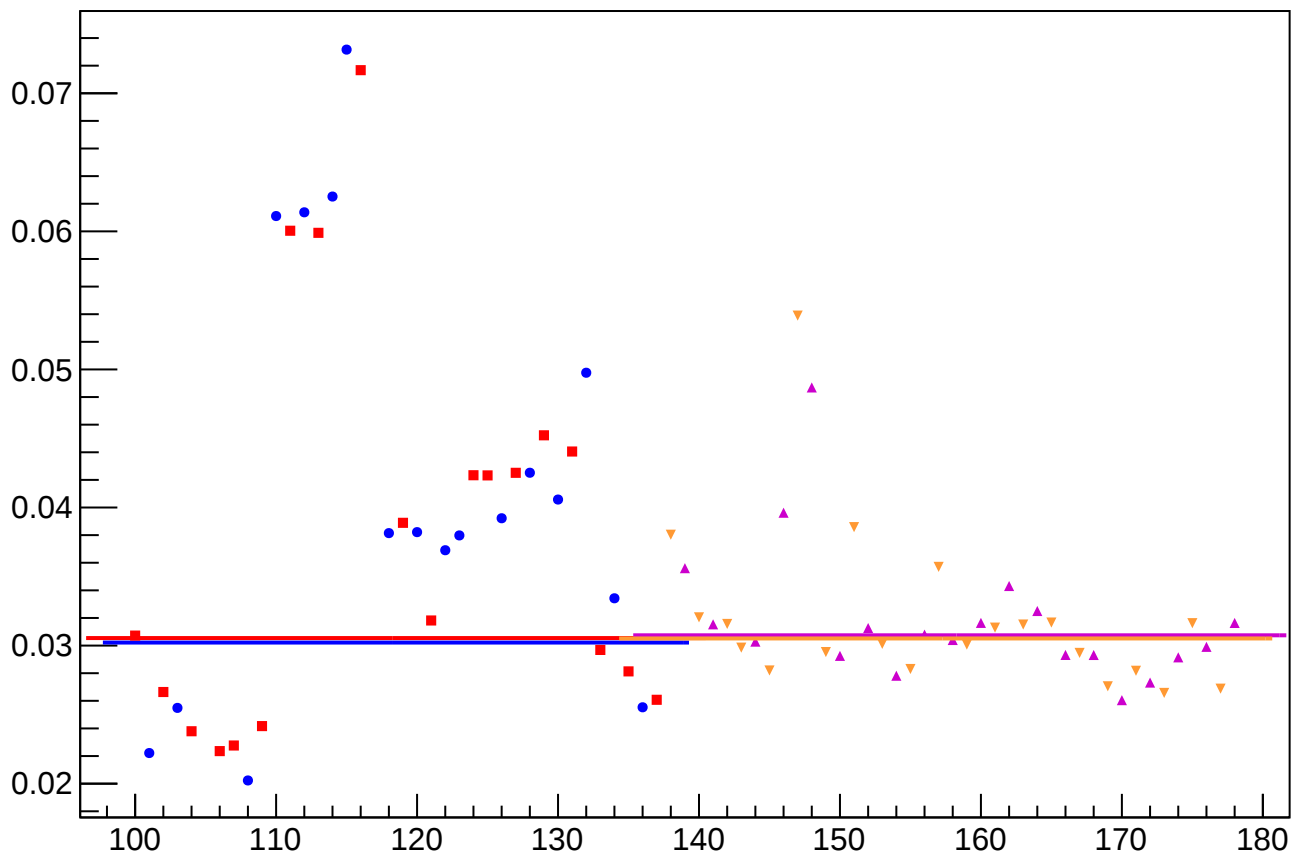
Left In: 17.928+/-0.000 χ^2/NDF : 899450508.2/19

+ sign 18.393+/-0.000 χ^2/NDF : 27110524594.1/37

All: 18.440+/-0.000 χ^2/NDF : 56436163613.1

- sign 18.488+/-0.000 χ^2/NDF : 29226375027.6/38

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.031+/-0.000 χ^2/NDF :561928.8/20

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

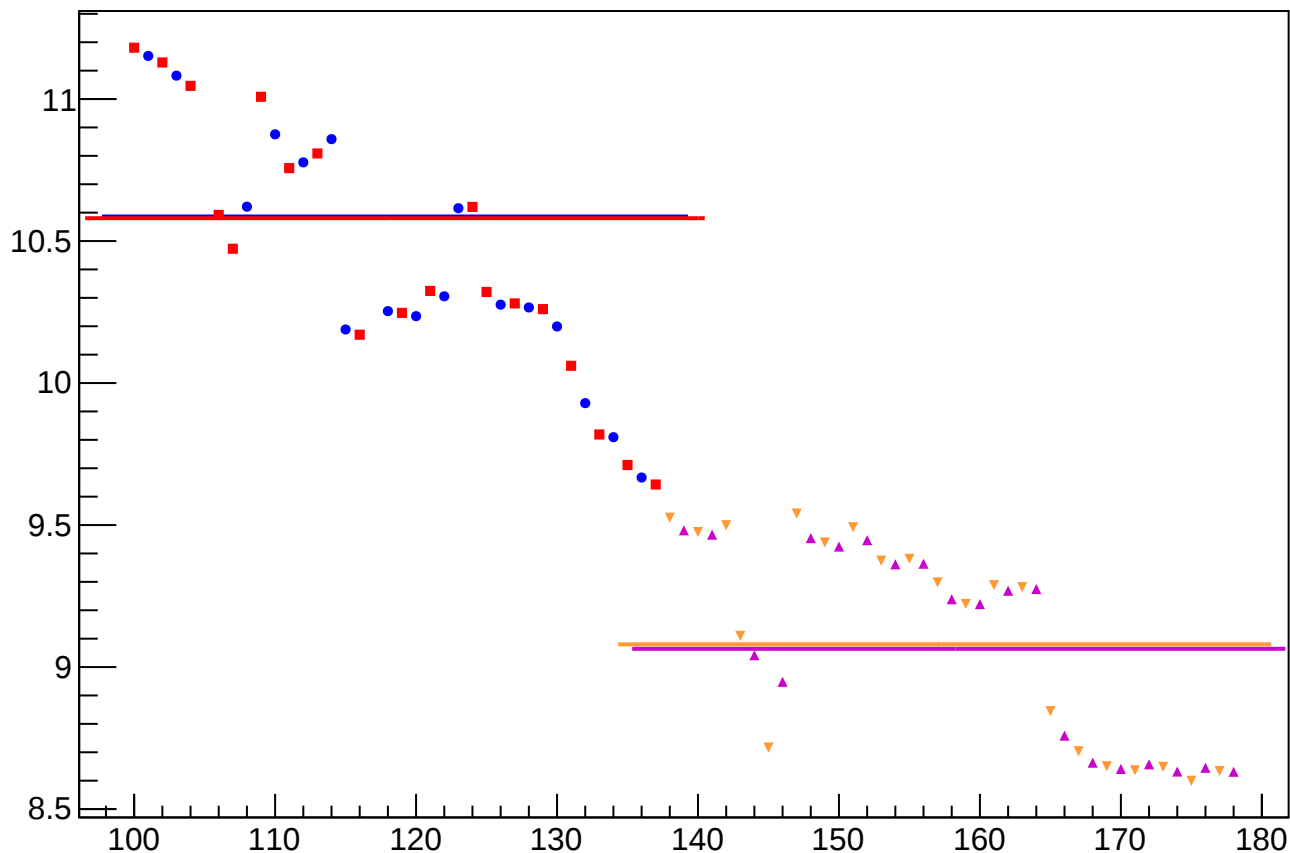
Left In: 0.031+/-0.000 χ^2/NDF :439513.5/19

+ sign 0.030+/-0.000 χ^2/NDF : 1887225.2/37

All: 0.031+/-0.000 χ^2/NDF : 3518237.9/76

- sign 0.031+/-0.000 χ^2/NDF : 1629606.3/38

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.080 $\pm$ 0.000 χ^2 /NDF: 4874585075.9/20

Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5763852721.2/18

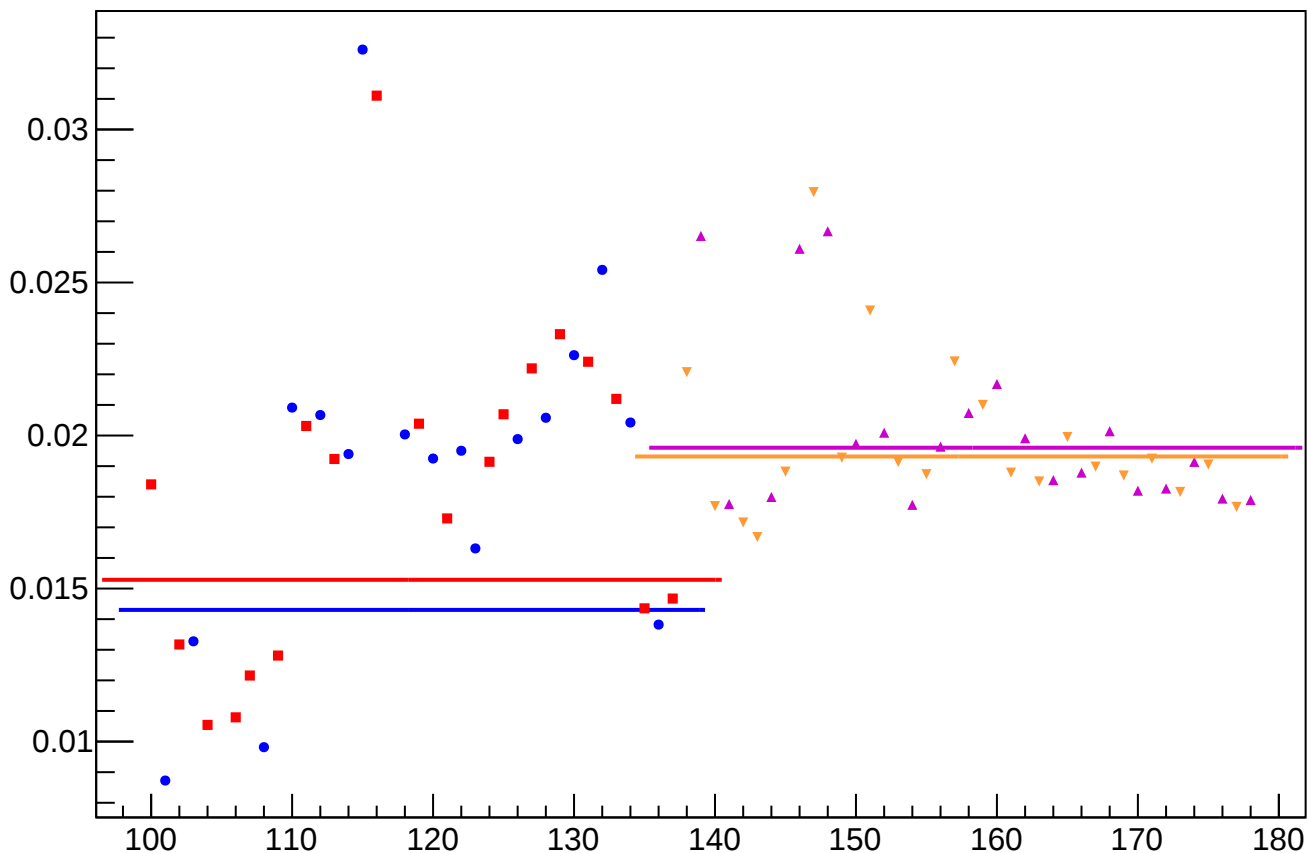
Left In: 9.064 $\pm$ 0.000 χ^2 /NDF: 4222255034.3/19

+ sign 9.687 $\pm$ 0.000 χ^2 /NDF: 47558711610.1/37

All: 9.685 $\pm$ 0.000 χ^2 /NDF: 91944416051.7/7

- sign 9.682 $\pm$ 0.000 χ^2 /NDF: 44384957530.4/38

yield_sam6_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:340233.9/20

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

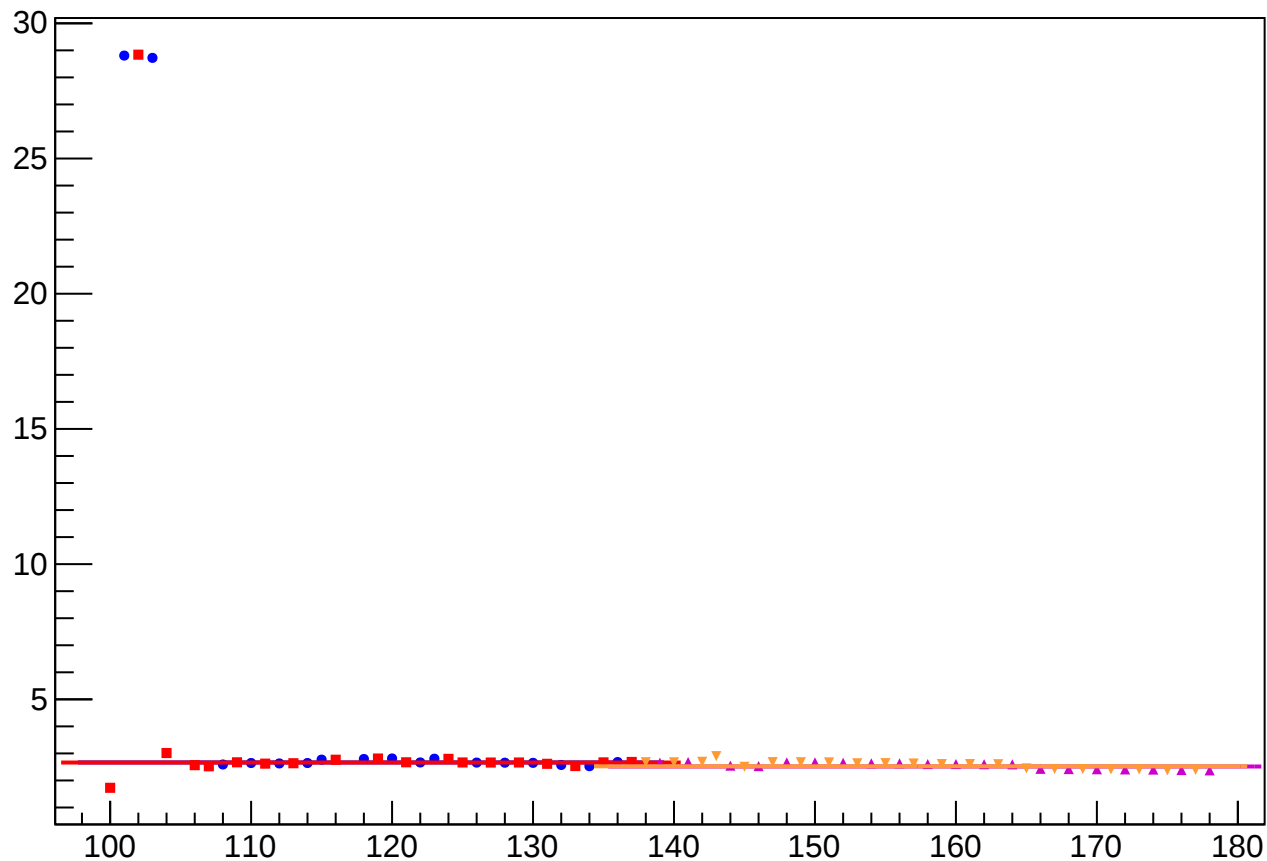
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:406896.2/19

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 2529214.1/37

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 4501642.0/76

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 1953434.6/38

yield_sam7_mean vs Slug



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.523 $\pm$ 0.000 χ^2 /NDF: 51323383334.5/20

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

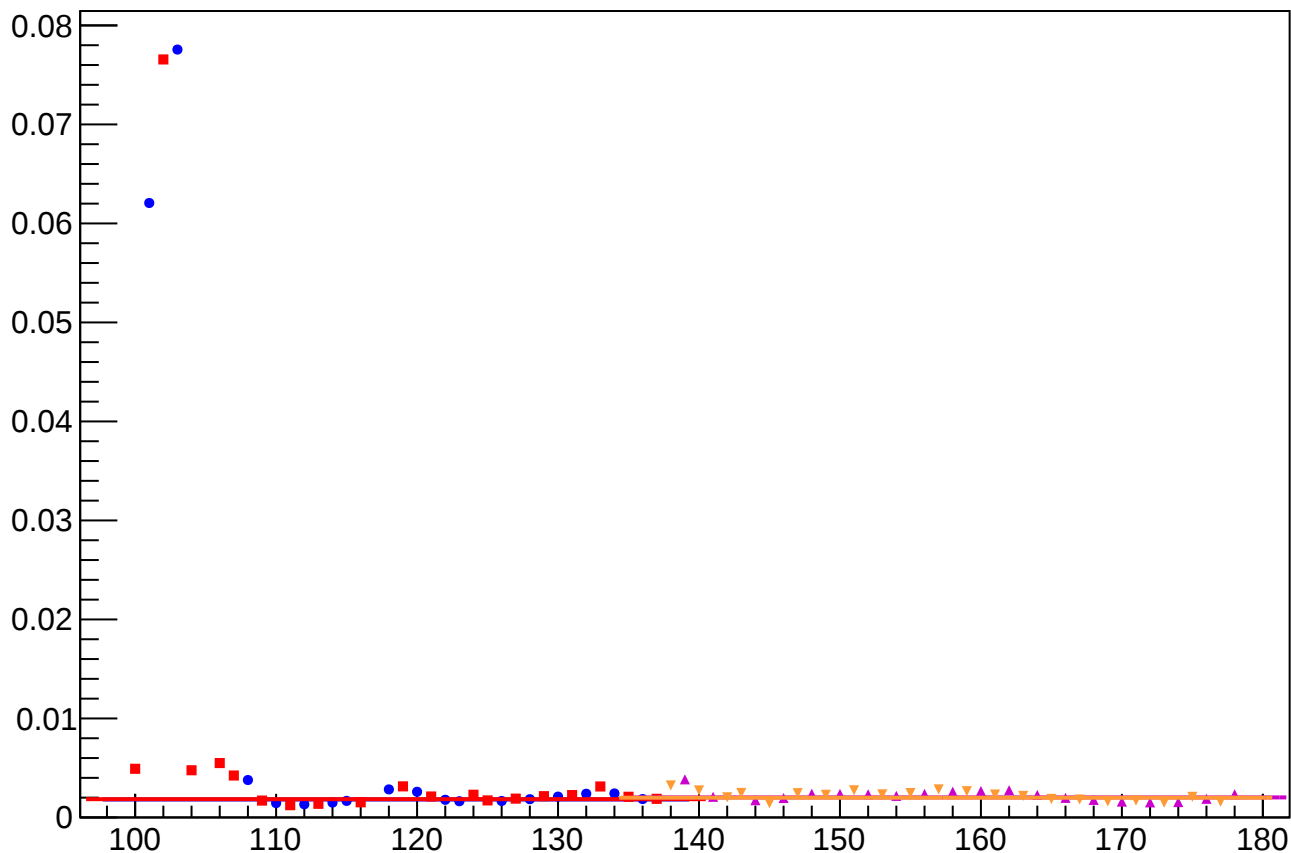
Left In: 2.517 $\pm$ 0.000 χ^2 /NDF: 37642221339.2/19

+ sign 2.566 $\pm$ 0.000 χ^2 /NDF: 233743204508.7/37

All: 2.565 $\pm$ 0.000 χ^2 /NDF: 362678563697.7

- sign 2.563 $\pm$ 0.000 χ^2 /NDF: 128918038402.6/38

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:1344835.6/20

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2331228.4/18

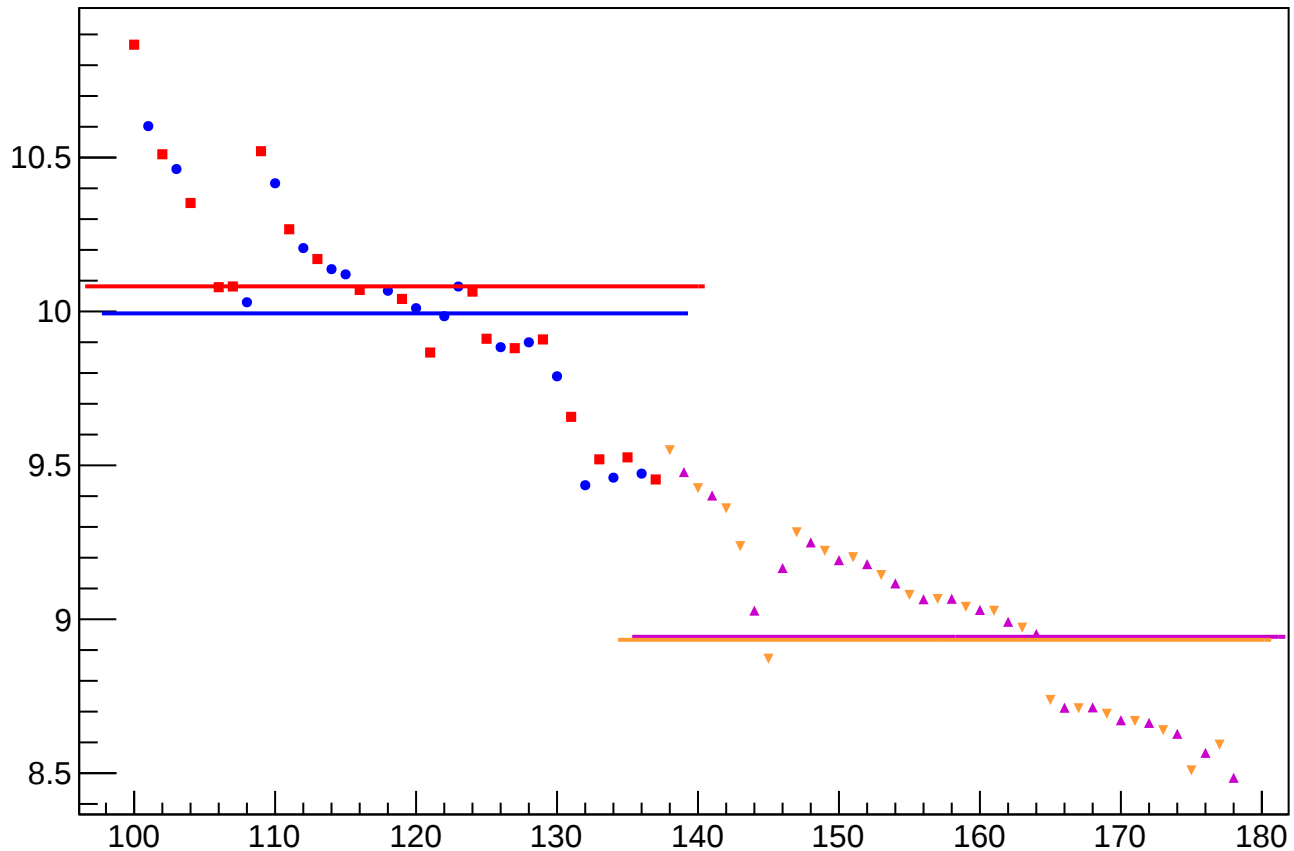
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1147250.8/19

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4067273.5/37

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7610034.4/76

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3540041.7/38

yield_sam8_mean vs Slug



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 8.933 $\pm$ 0.000 χ^2 /NDF: 25045199854.0/20

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

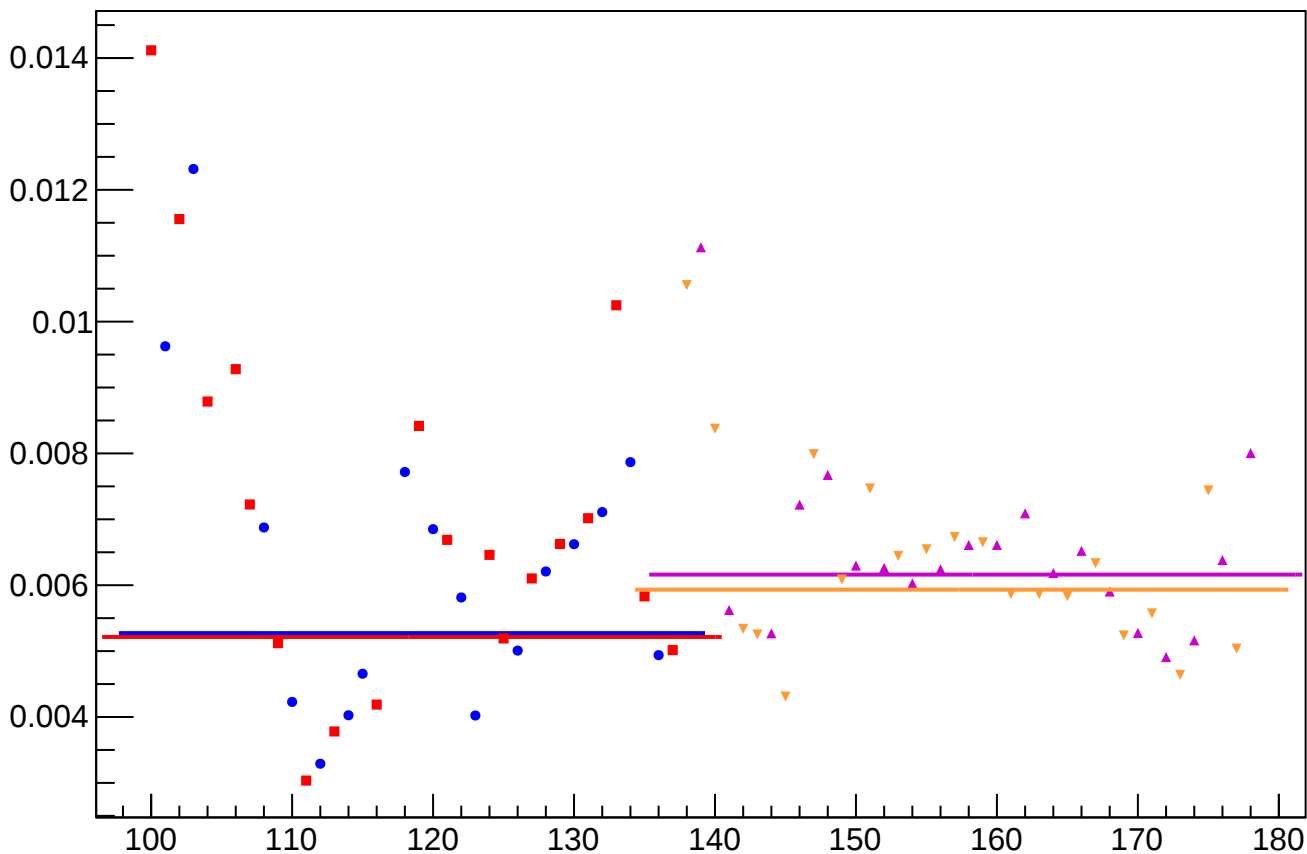
Left In: 8.943 $\pm$ 0.000 χ^2 /NDF: 22721399402.7/19

+ sign 9.289 $\pm$ 0.000 χ^2 /NDF: 179019691124.7/37

All: 9.325 $\pm$ 0.000 χ^2 /NDF: 375952555608.5

- sign 9.363 $\pm$ 0.000 χ^2 /NDF: 195486285262.8/38

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:939013.9/20

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1657948.7/18

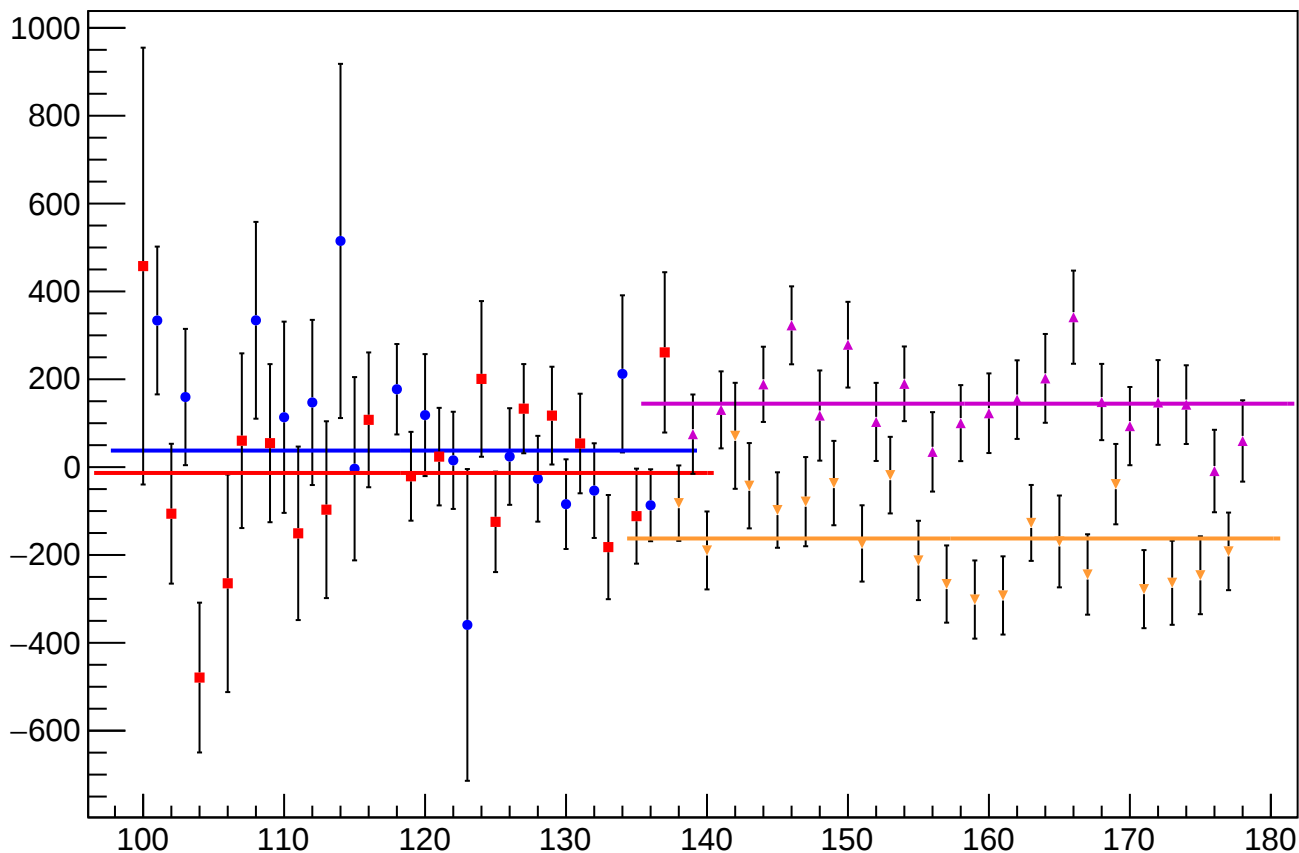
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:676869.7/19

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2289040.2/37

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4846666.9/76

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2552194.5/38

reg_asym_sam1_mean vs Slug



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -162.464 $\pm$ 19.990 χ^2 /NDF:24.8/20

Right Out: -13.278 $\pm$ 32.066 χ^2 /NDF: 22.7/18

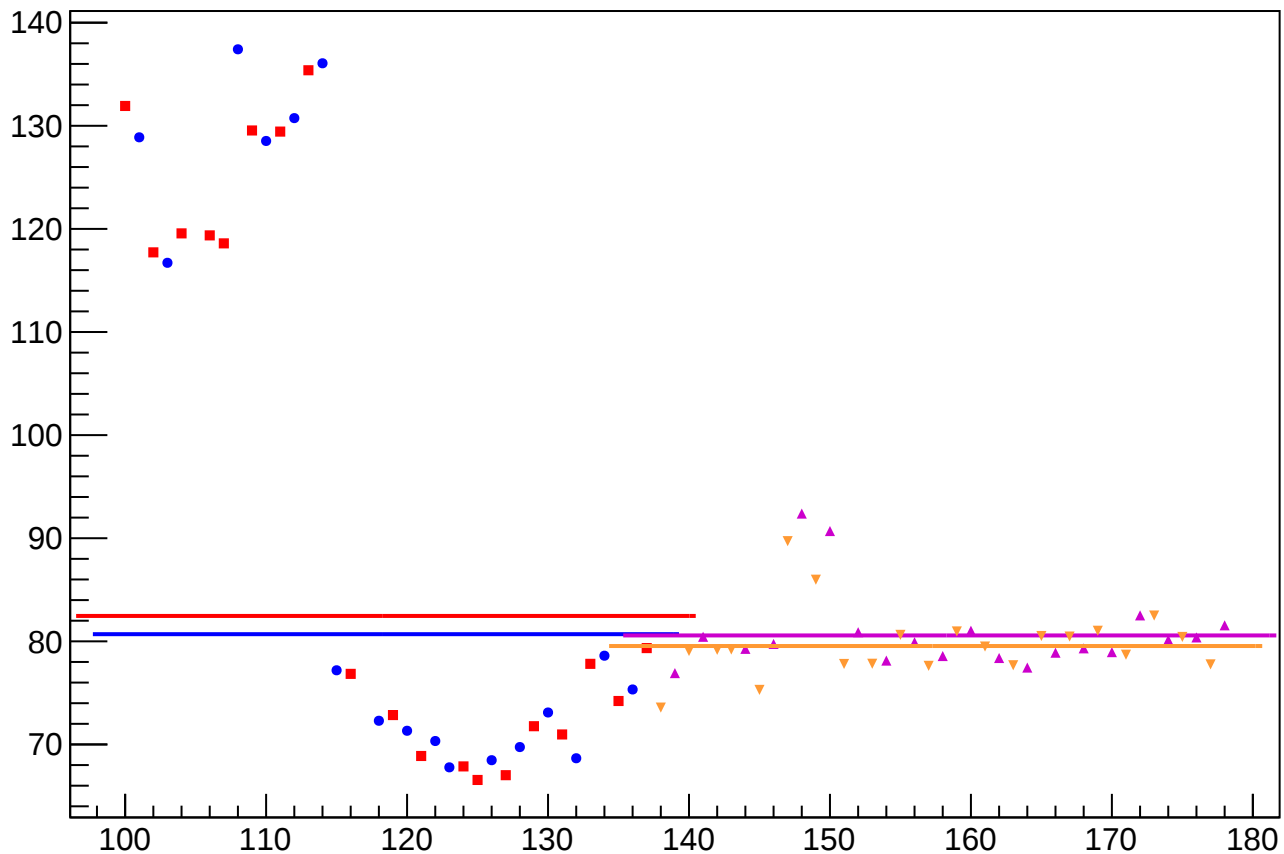
Left In: 144.432 $\pm$ 20.450 χ^2 /NDF:16.8/19

+ sign -106.916 $\pm$ 16.991 χ^2 /NDF: 69.4/37

All: -5.551 $\pm$ 12.102 χ^2 /NDF: 198.3/76

- sign 98.833 $\pm$ 17.242 χ^2 /NDF: 56.7/38

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.546 $\pm$ 0.014 χ^2 /NDF: 51983.0/20

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

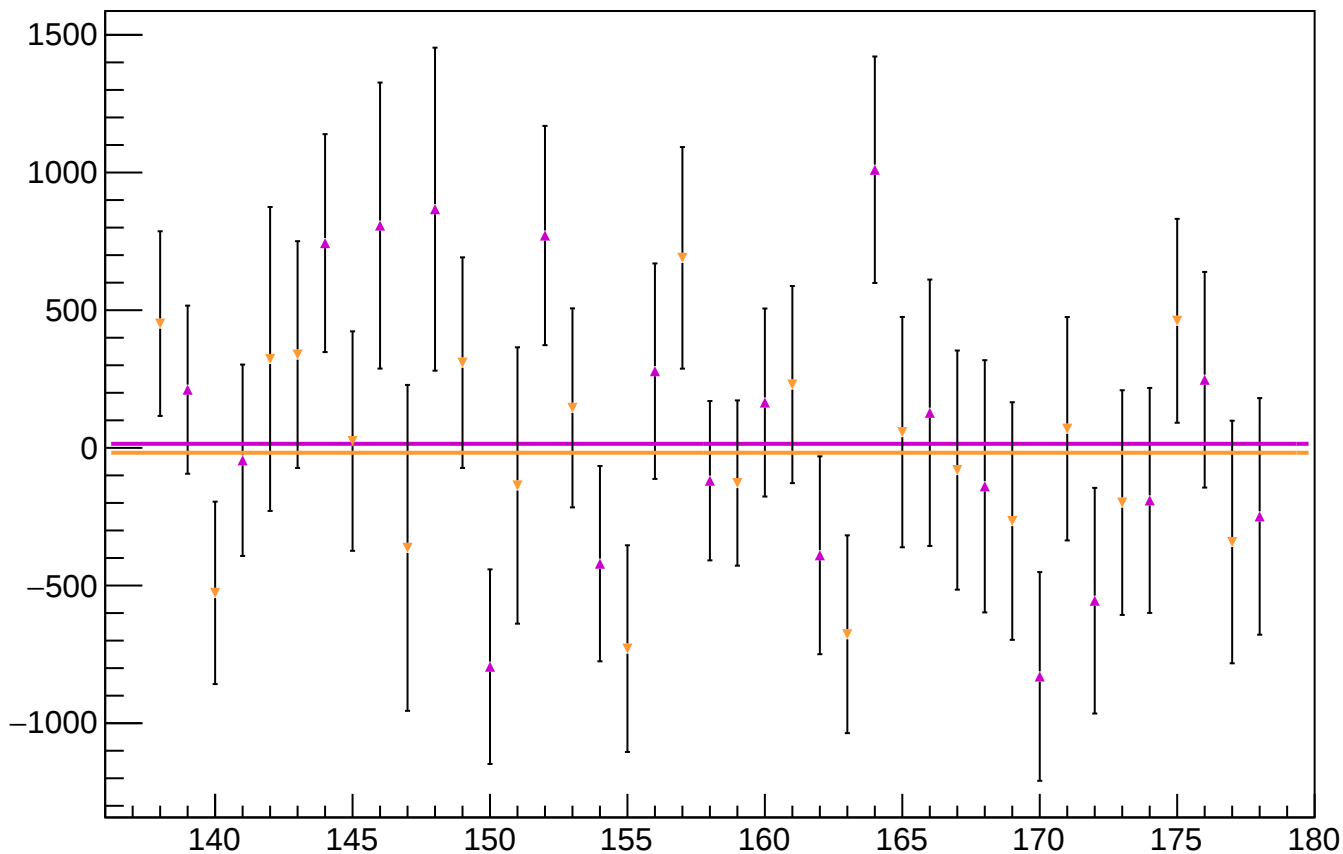
Left In: 80.572 $\pm$ 0.014 χ^2 /NDF: 60607.0/19

+ sign 79.864 $\pm$ 0.012 χ^2 /NDF: 867841.7/37

All: 80.483 $\pm$ 0.009 χ^2 /NDF: 1853645.8/76

- sign 81.119 $\pm$ 0.012 χ^2 /NDF: 980430.1/38

asym_sam1_correction_mean vs Slug



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

Left Out: -17.740 $\pm$ 85.861 χ^2 /NDF:20.3/20

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

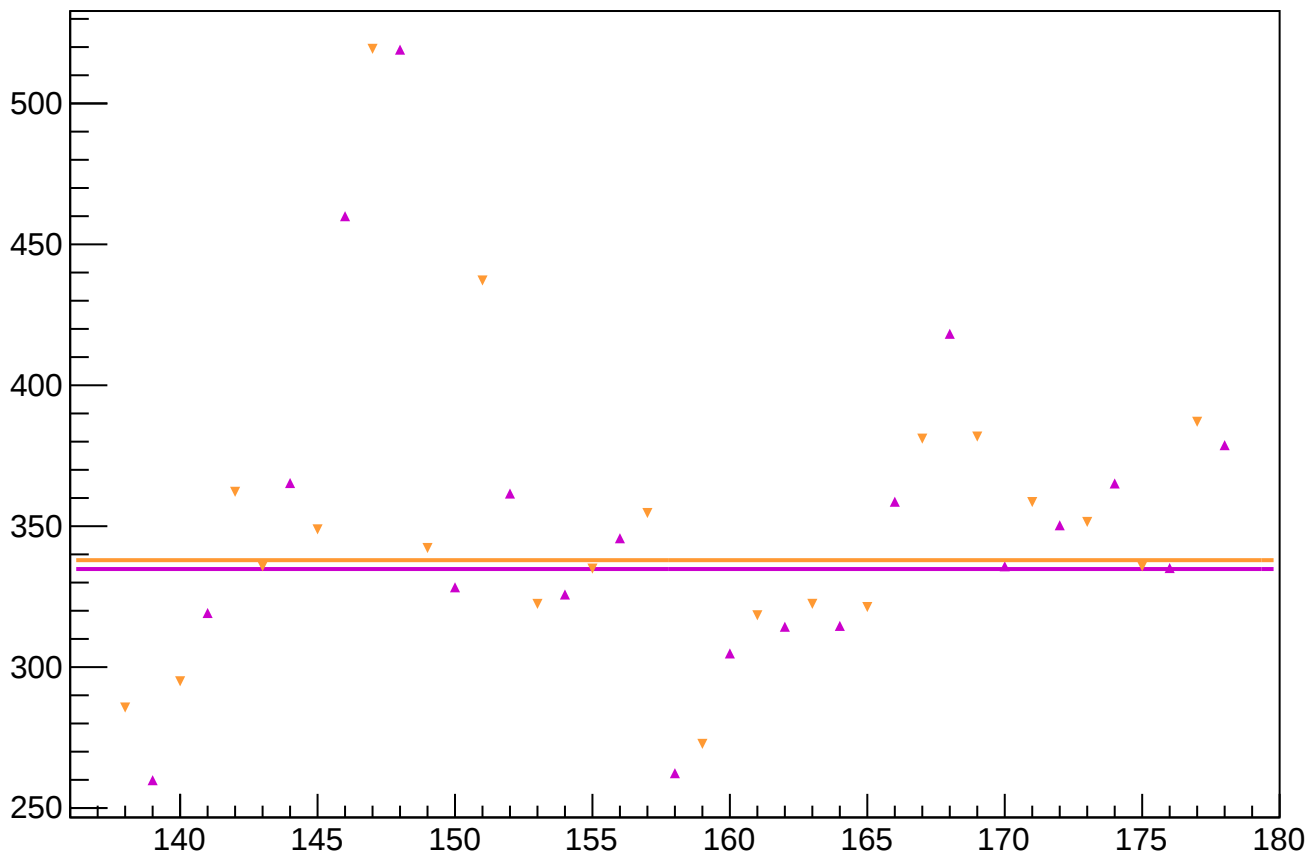
Left In: 14.743 $\pm$ 86.108 χ^2 /NDF:34.7/19

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

All: -1.545 $\pm$ 60.800 χ^2 /NDF: 55.1/40

- 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: 337.947+/-0.061 χ^2/NDF :541164.2/20

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

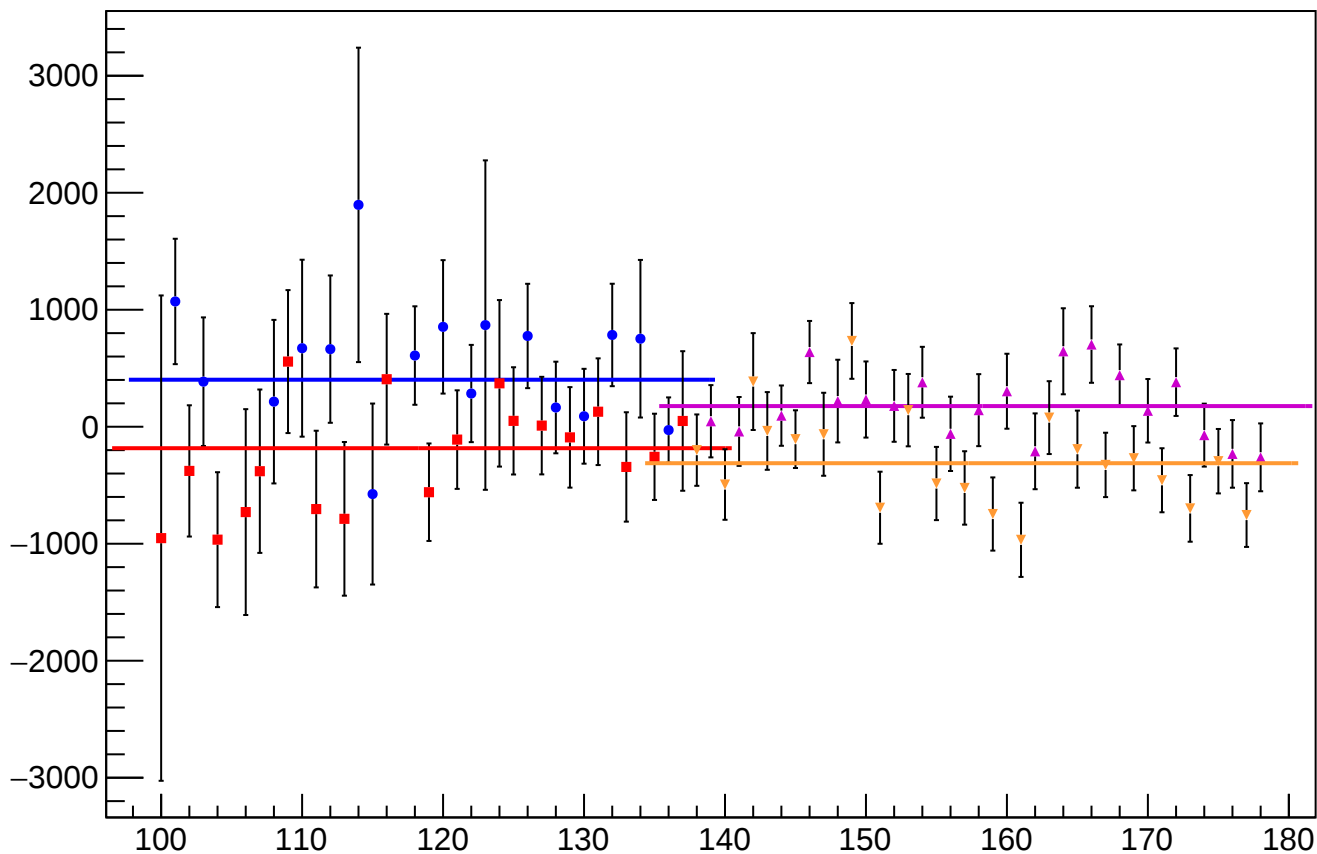
Left In: 334.801+/-0.061 χ^2/NDF :720773.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 336.379+/-0.043 χ^2/NDF : 1263276.6/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam2_mean vs Slug



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -311.718+/-65.873 χ^2/NDF : 32.8/20

Right Out: -183.481+/-120.338 χ^2/NDF : 9.3/18

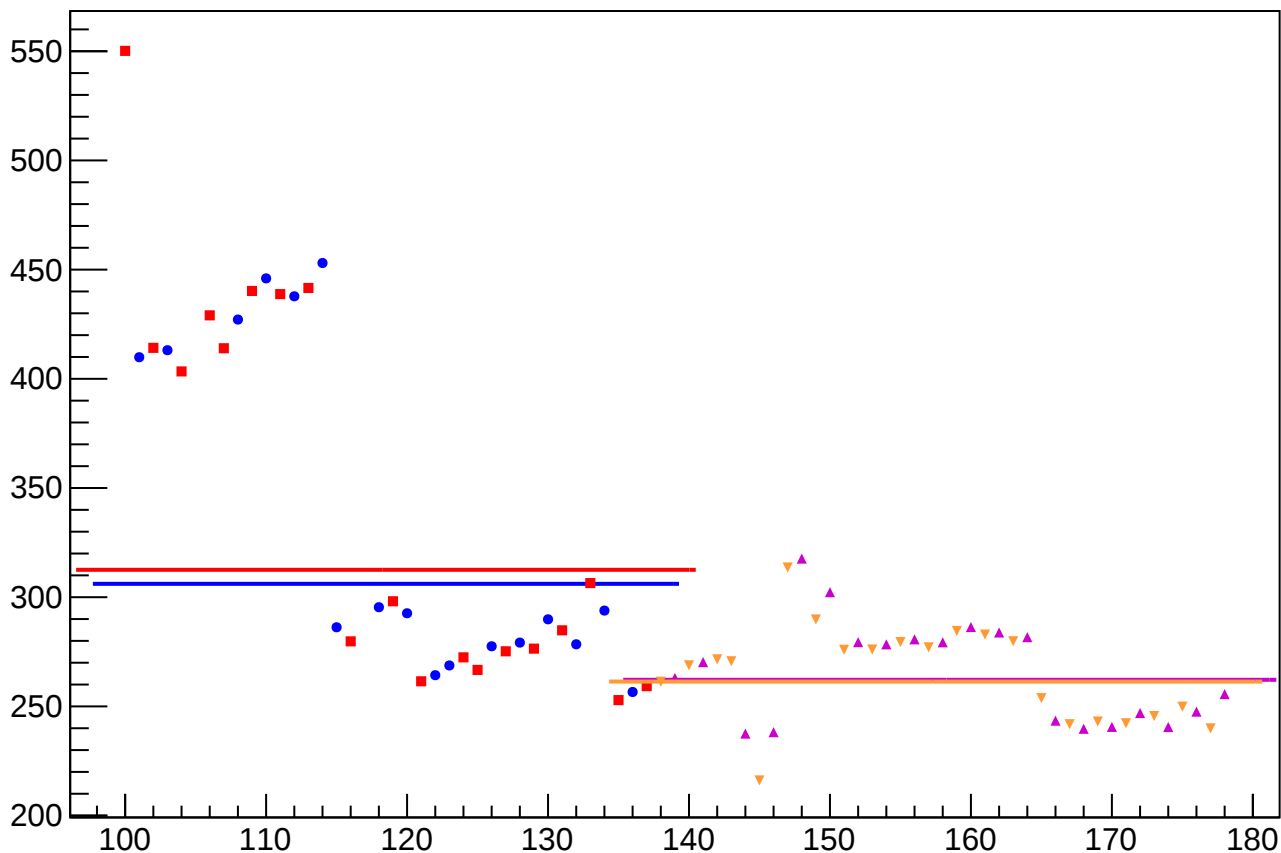
Left In: 176.535+/-66.746 χ^2/NDF : 17.4/19

+ sign -148.676+/-57.861 χ^2/NDF : 70.5/37

All: -29.471+/-41.092 χ^2/NDF : 112.6/76

- sign 91.837+/-58.369 χ^2/NDF : 33.5/38

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 261.365+/-0.047 χ^2/NDF : 229782.0/20

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

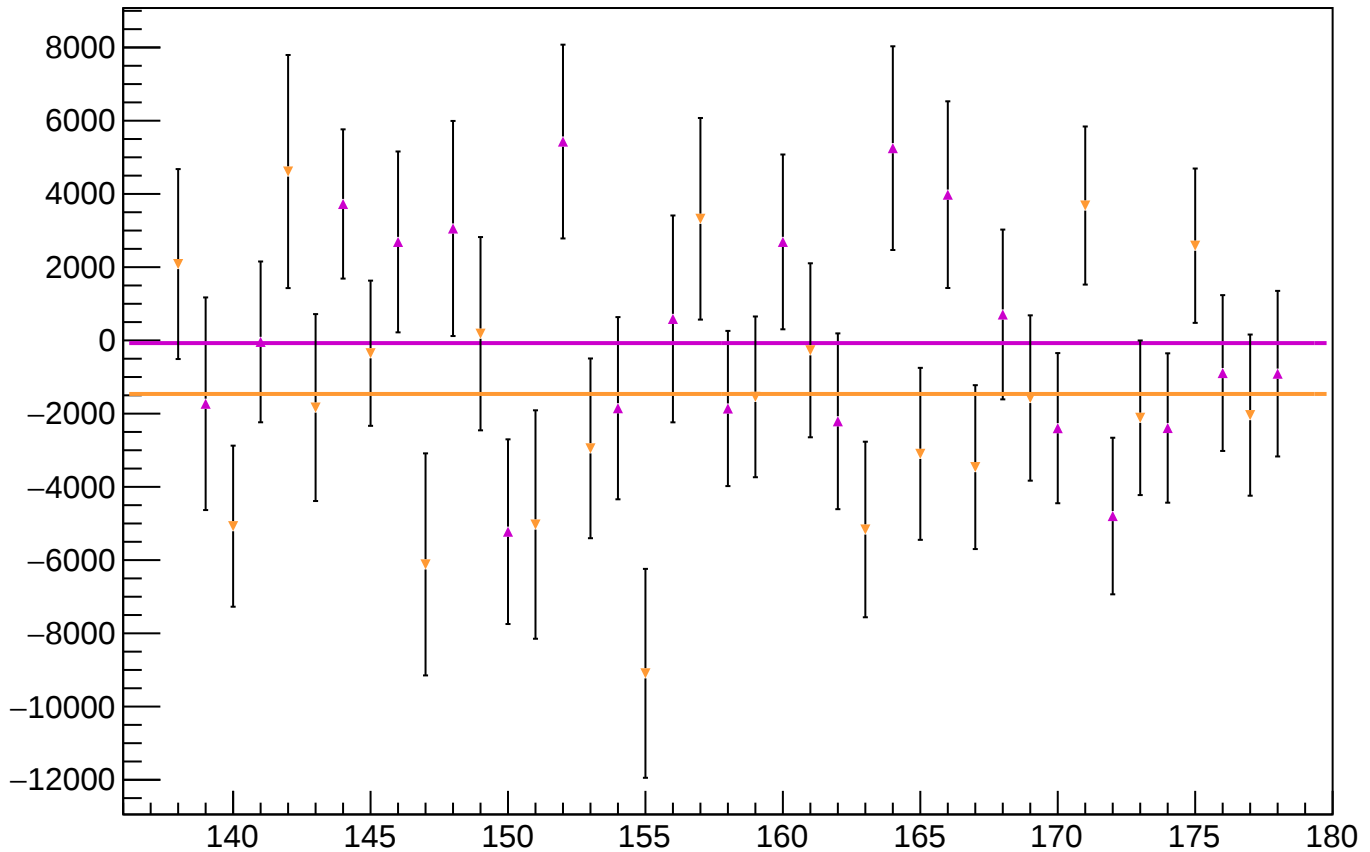
Left In: 262.182+/-0.047 χ^2/NDF : 225249.8/19

+ sign 271.592+/-0.041 χ^2/NDF : 949182.0/37

All: 272.800+/-0.029 χ^2/NDF : 2069828.8/76

- sign 274.030+/-0.041 χ^2/NDF : 1118886.7/38

asym_sam2_correction_mean vs Slug



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

Left Out: -1462.455 $\pm$ 523.837 χ^2 /NDF:36.6/20

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

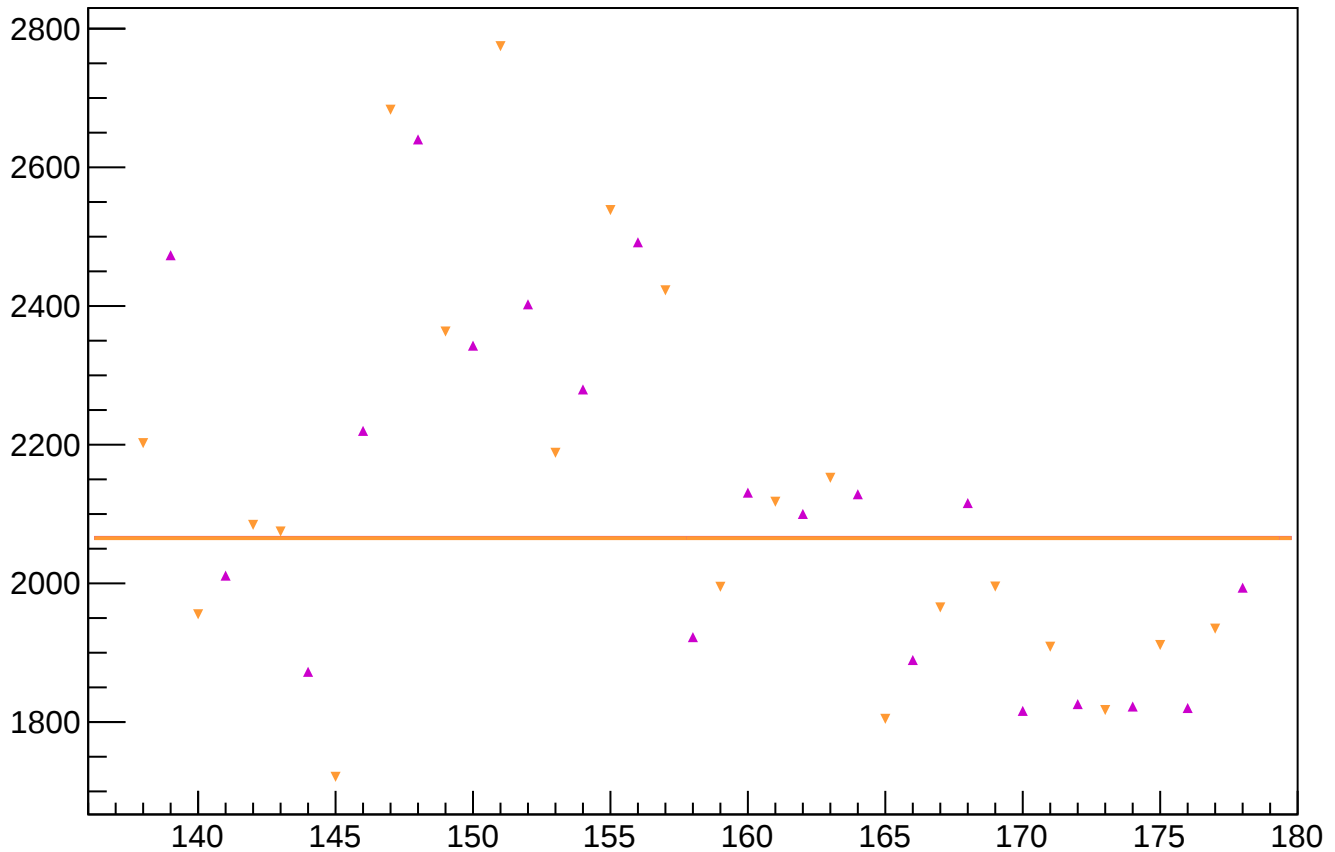
Left In: -73.627 $\pm$ 527.931 χ^2 /NDF:32.1/19

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

All: -773.447 $\pm$ 371.848 χ^2 /NDF: 72.2/40

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

asym_sam2_correction_rms vs Slug



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

Left Out: 2065.271+/-0.370 χ^2/NDF : 468693.1/20

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

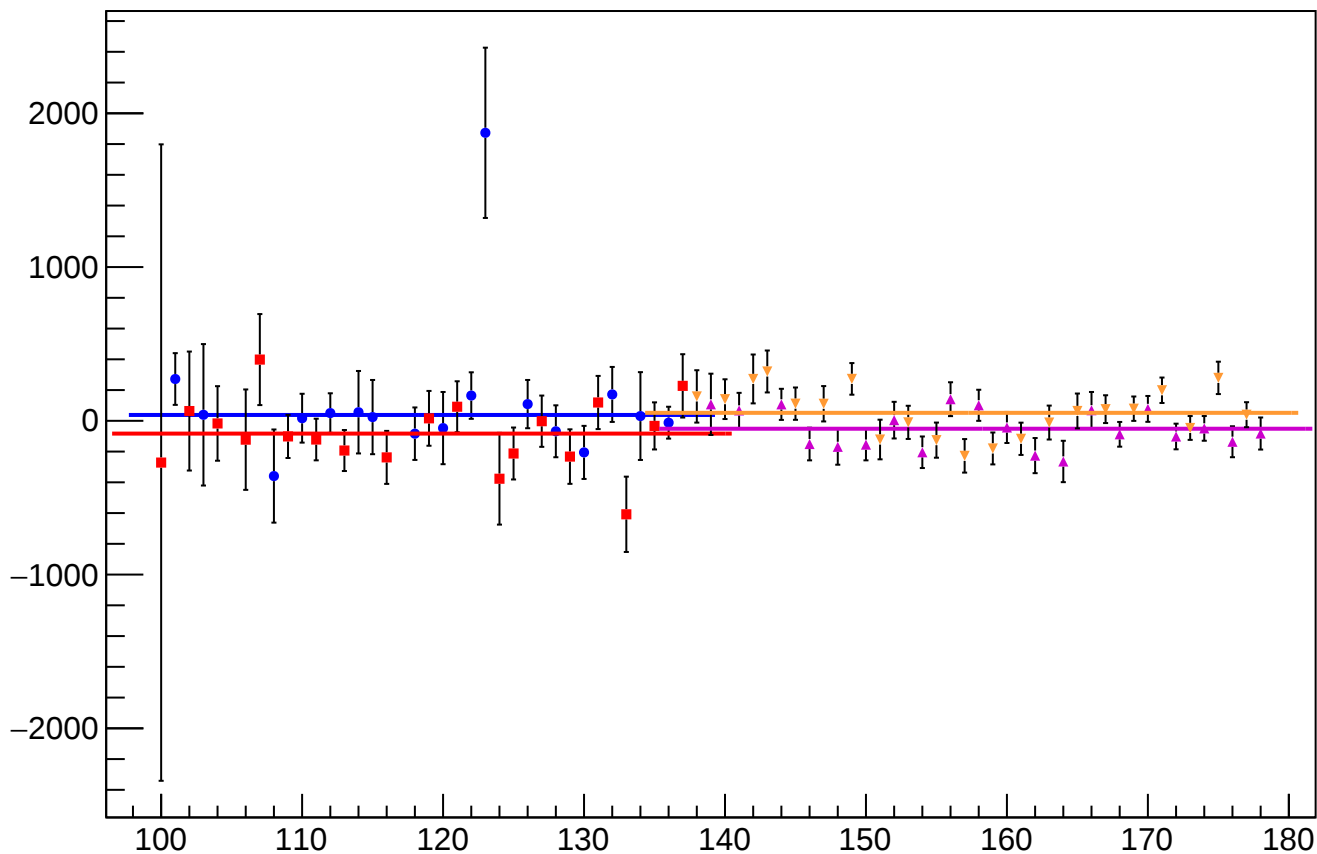
Left In: 2065.543+/-0.373 χ^2/NDF : 394278.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2065.406+/-0.263 χ^2/NDF : 862971.3/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_mean vs Slug



Right In: 38.126 ± 43.548 $\chi^2/\text{NDF}: 19.4/16$

Left Out: 51.912 ± 22.737 $\chi^2/\text{NDF}: 40.6/20$

Right Out: -83.101 ± 43.098 $\chi^2/\text{NDF}: 16.7/18$

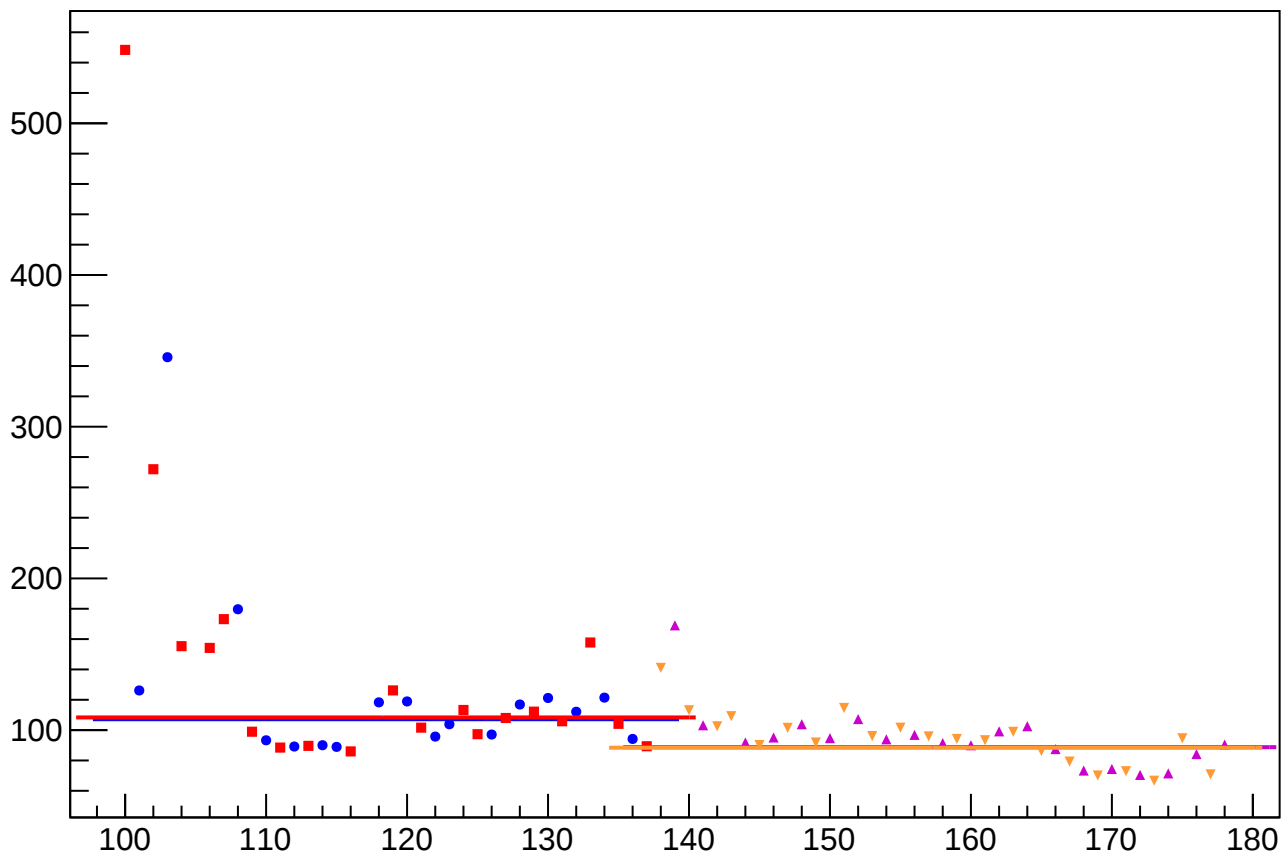
Left In: -51.444 ± 23.005 $\chi^2/\text{NDF}: 24.4/19$

+ sign 48.959 ± 20.155 $\chi^2/\text{NDF}: 60.0/37$

All: -4.383 ± 14.301 $\chi^2/\text{NDF}: 115.7/76$

- sign -58.464 ± 20.295 $\chi^2/\text{NDF}: 41.6/38$

reg_asym_sam3_rms vs Slug



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 88.399 $\pm$ 0.016 χ^2 /NDF: 967779.0/20

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

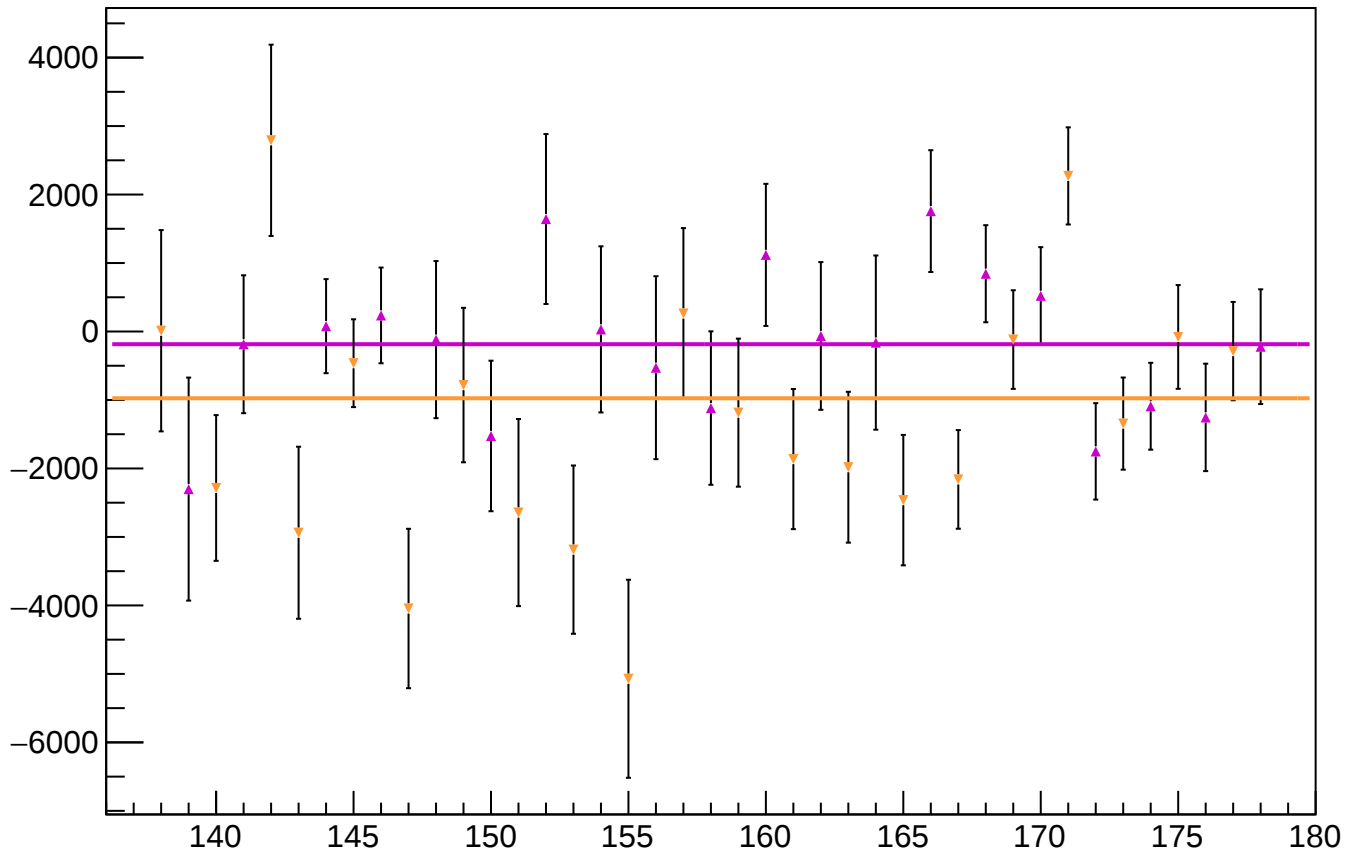
Left In: 88.759 $\pm$ 0.016 χ^2 /NDF: 835853.5/19

+ sign 92.424 $\pm$ 0.014 χ^2 /NDF: 2103485.4/37

All: 92.762 $\pm$ 0.010 χ^2 /NDF: 4179674.2/76

- sign 93.105 $\pm$ 0.014 χ^2 /NDF: 2075053.8/38

asym_sam3_correction_mean vs Slug



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

Left Out: -974.953 $\pm$ 203.114 χ^2 /NDF:64.8/20

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

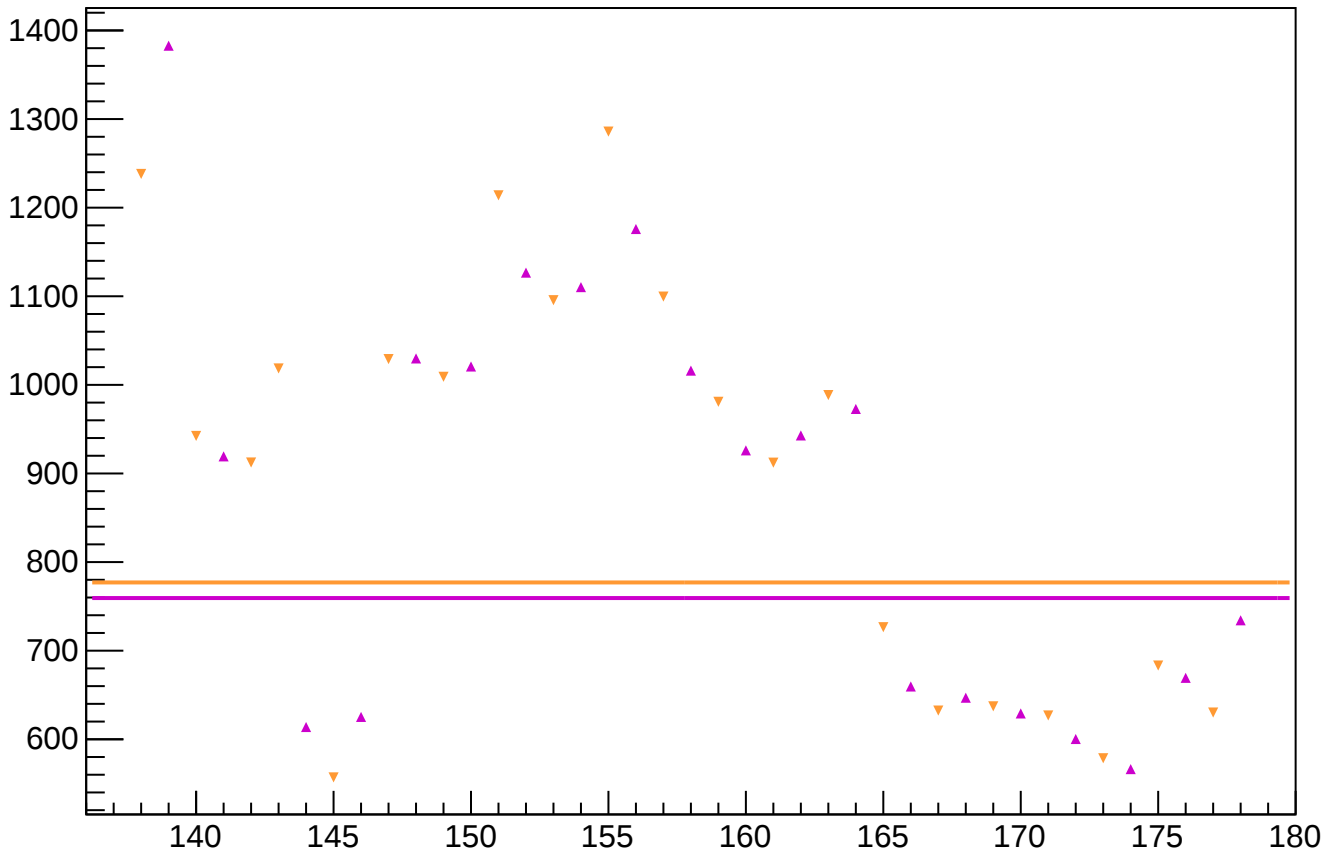
Left In: -185.371 $\pm$ 199.997 χ^2 /NDF:25.0/19

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

All: -574.057 $\pm$ 142.508 χ^2 /NDF: 97.4/40

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

asym_sam3_correction_rms vs Slug



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

Left Out: 777.012+/-0.144 χ^2/NDF :2191302.5/20

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

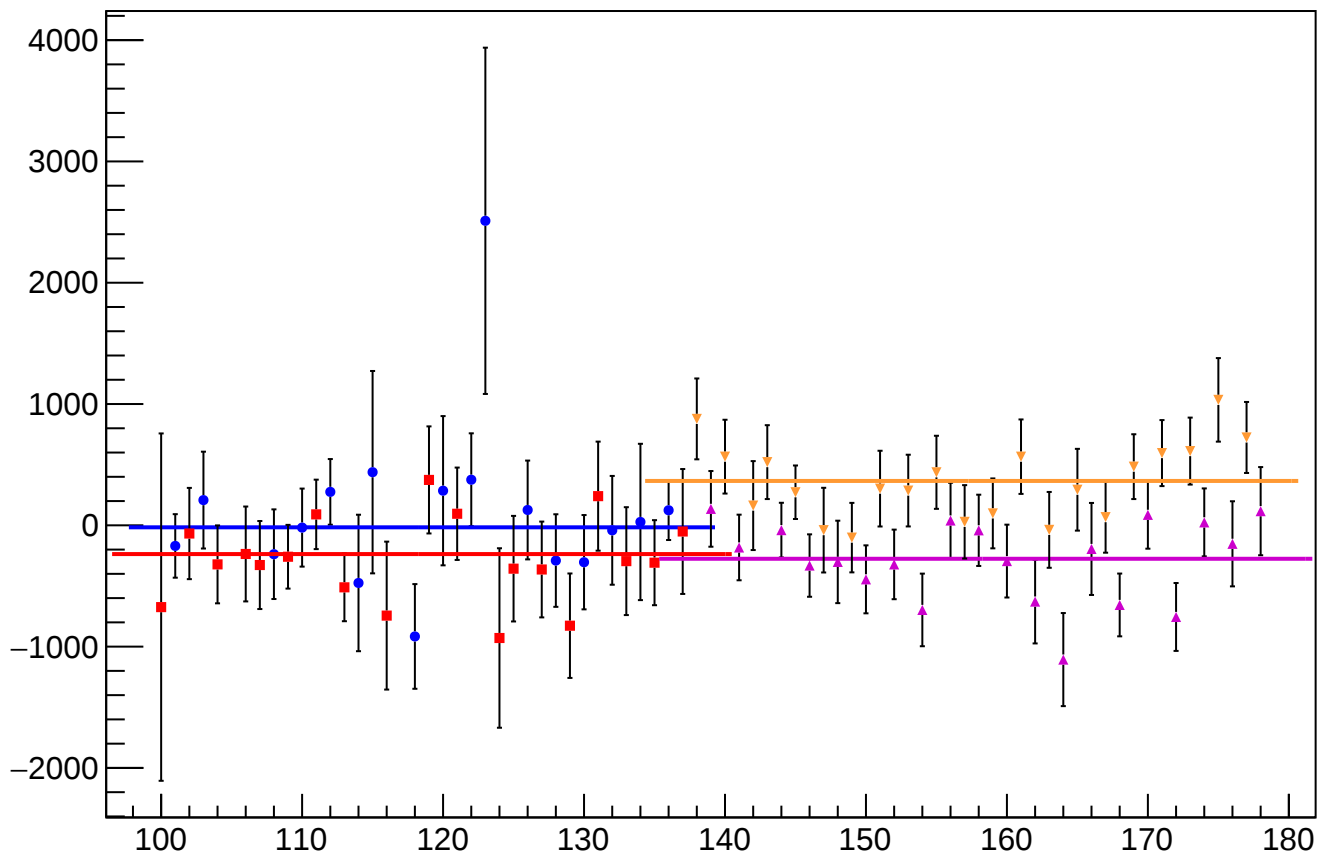
Left In: 759.400+/-0.141 χ^2/NDF :1997419.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 768.070+/-0.101 χ^2/NDF : 4196357.5/40

- 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: 365.861 ± 64.999 χ^2/NDF : 20.0/20

Right Out: -236.984 ± 88.937 χ^2/NDF : 10.3/18

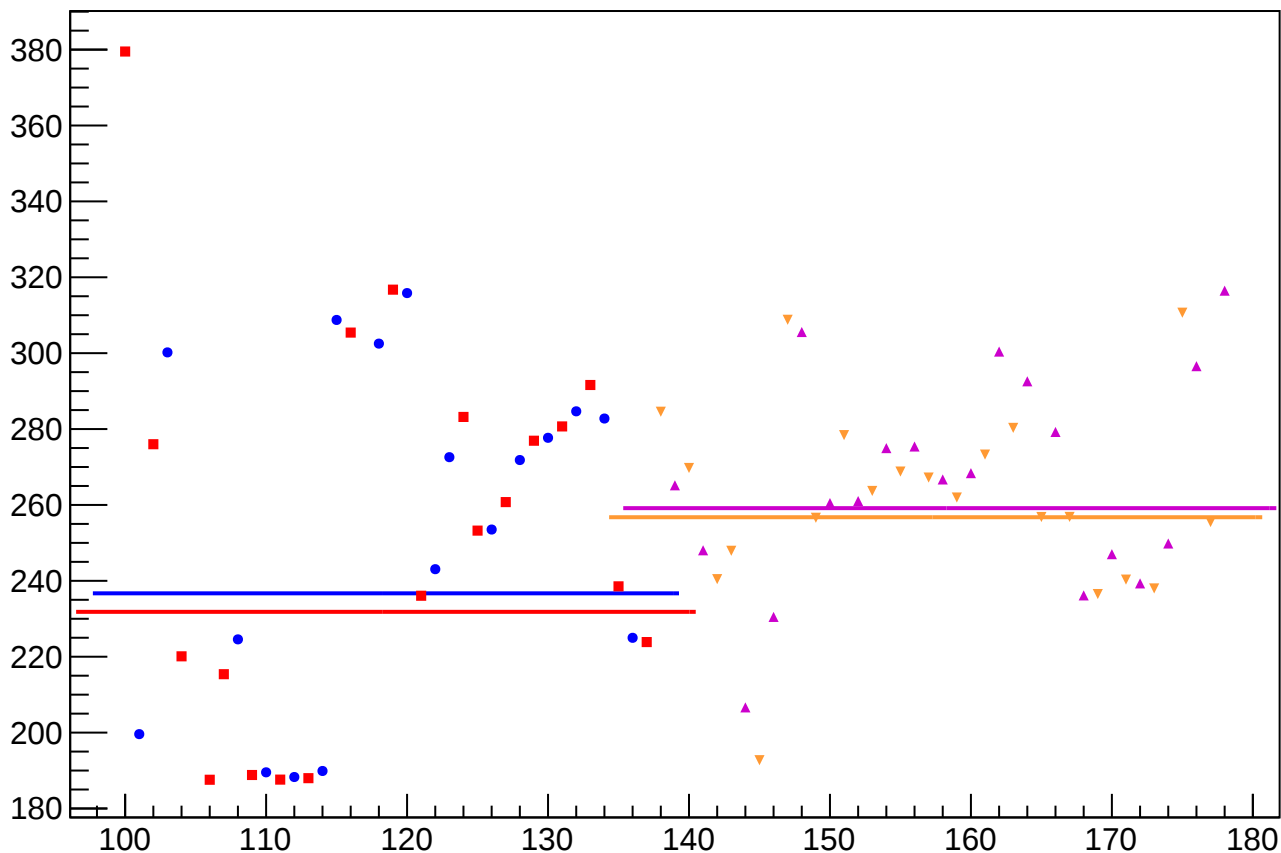
Left In: -275.780 ± 66.295 χ^2/NDF : 22.1/19

+ sign 240.908 ± 53.330 χ^2/NDF : 44.7/37

All: -11.344 ± 37.647 χ^2/NDF : 121.8/76

- sign -261.923 ± 53.153 χ^2/NDF : 32.5/38

reg_asym_sam4_rms vs Slug



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 256.762 $\pm$ 0.046 χ^2 /NDF: 347313.9/20

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

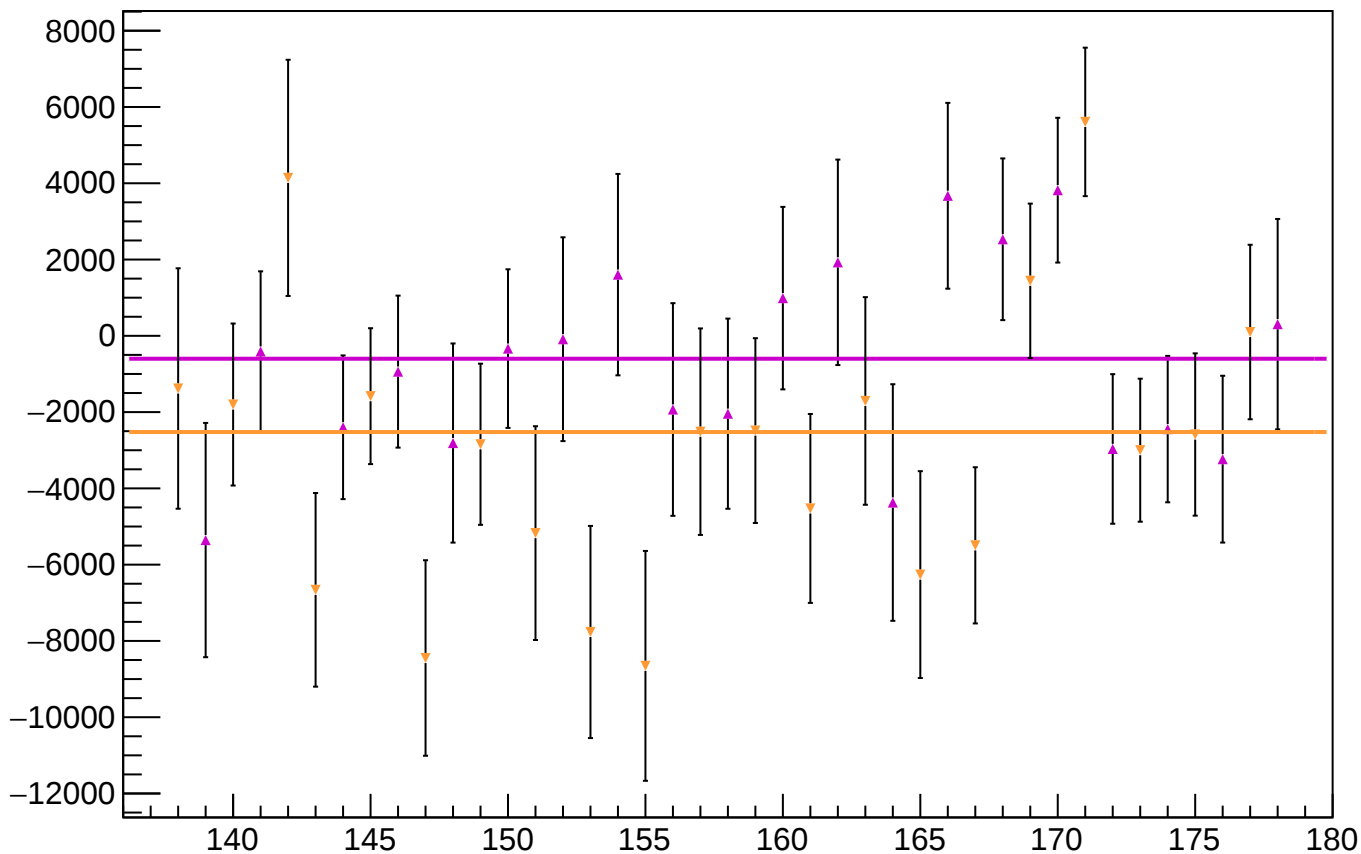
Left In: 259.155 $\pm$ 0.047 χ^2 /NDF: 342781.8/19

+ sign 250.207 $\pm$ 0.038 χ^2 /NDF: 799889.8/37

All: 249.800 $\pm$ 0.027 χ^2 /NDF: 1707559.6/76

- sign 249.395 $\pm$ 0.038 χ^2 /NDF: 907437.0/38

asym_sam4_correction_mean vs Slug



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

Left Out: -2522.564+/-511.401 χ^2/NDF : 49.2/20

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

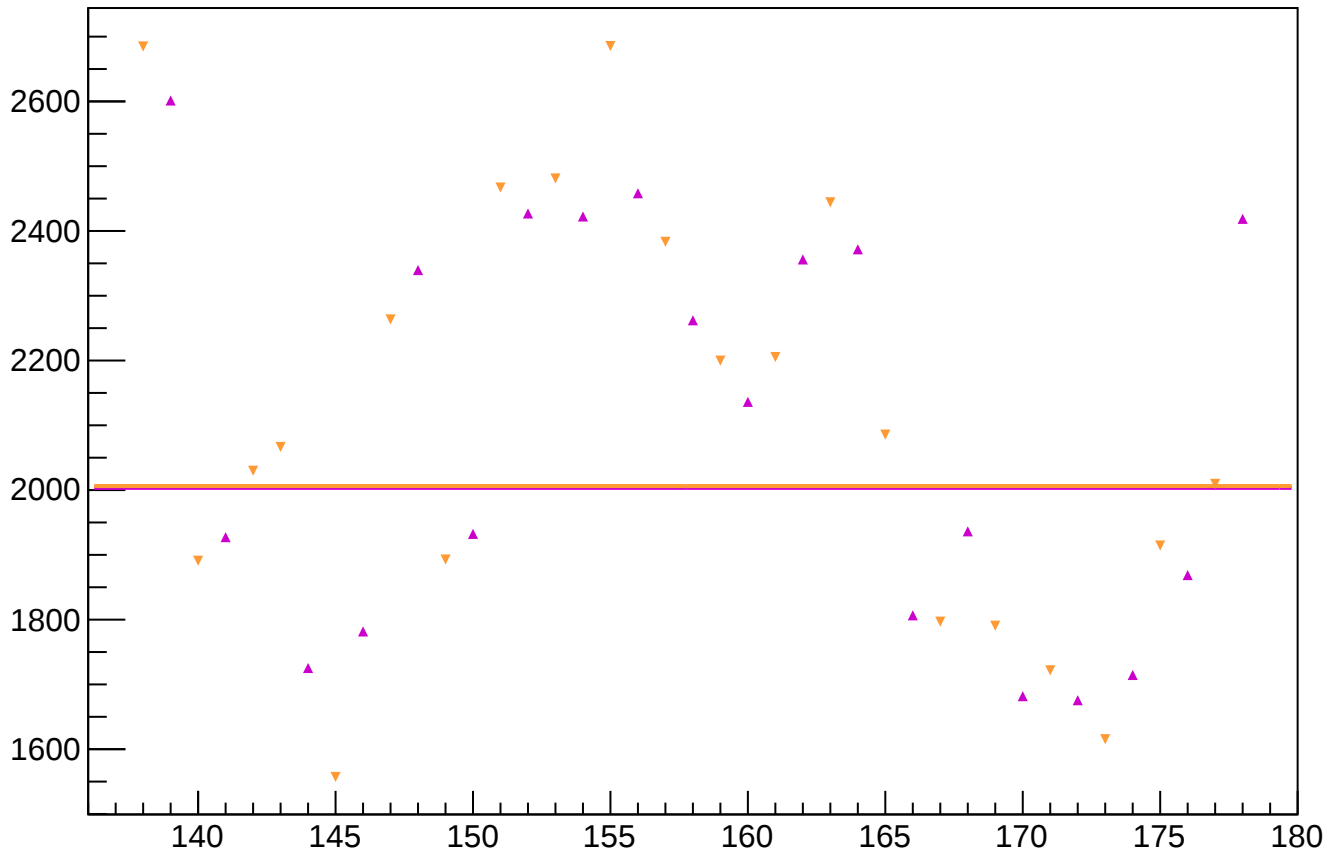
Left In: -600.682+/-514.739 χ^2/NDF : 22.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -1567.875+/-362.790 χ^2/NDF : 79.0/40

- 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: 2006.254+/-0.362 χ^2/NDF : 761803.1/20

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

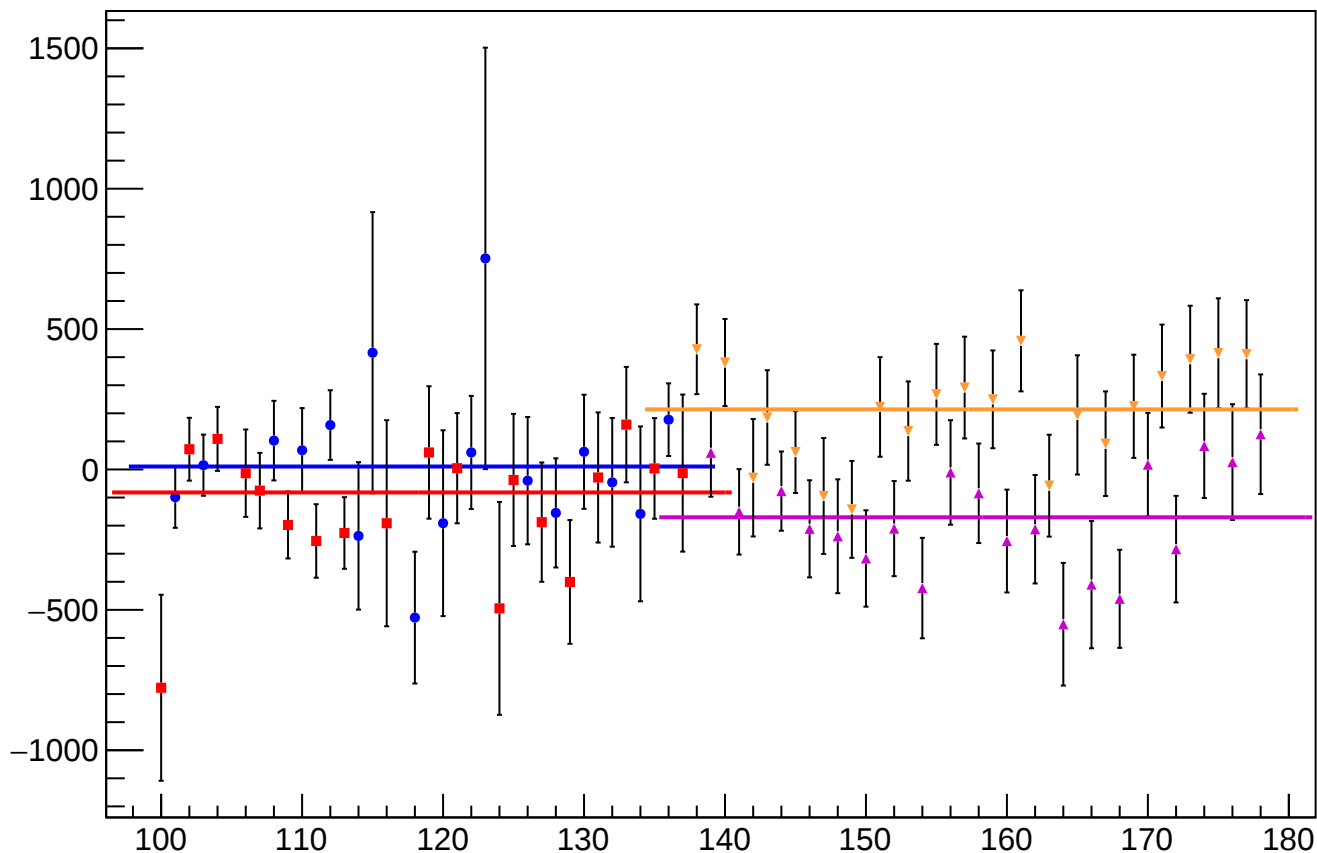
Left In: 2003.422+/-0.364 χ^2/NDF : 652837.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 2004.847+/-0.257 χ^2/NDF : 1414671.5/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 $\chi^2/\text{NDF}: 14.1/16$

Left Out: 214.045 ± 39.119 $\chi^2/\text{NDF}: 20.3/20$

Right Out: -81.802 ± 38.985 $\chi^2/\text{NDF}: 19.2/18$

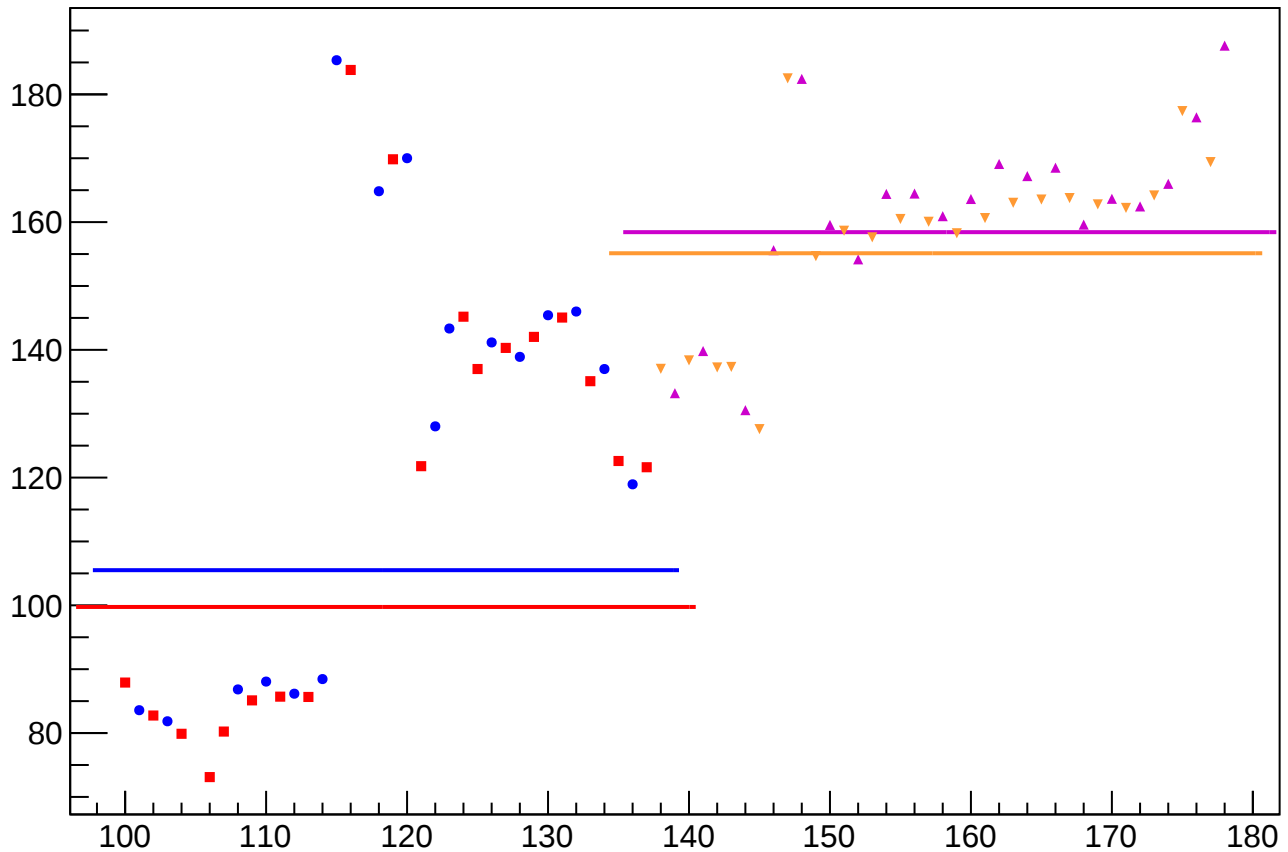
Left In: -170.335 ± 40.348 $\chi^2/\text{NDF}: 19.8/19$

+ sign 120.215 ± 28.718 $\chi^2/\text{NDF}: 46.9/37$

All: -5.108 ± 20.061 $\chi^2/\text{NDF}: 125.6/76$

- sign -124.547 ± 28.036 $\chi^2/\text{NDF}: 41.5/38$

reg_asym_sam5_rms vs Slug



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 155.125 $\pm$ 0.028 χ^2 /NDF: 258716.4/20

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

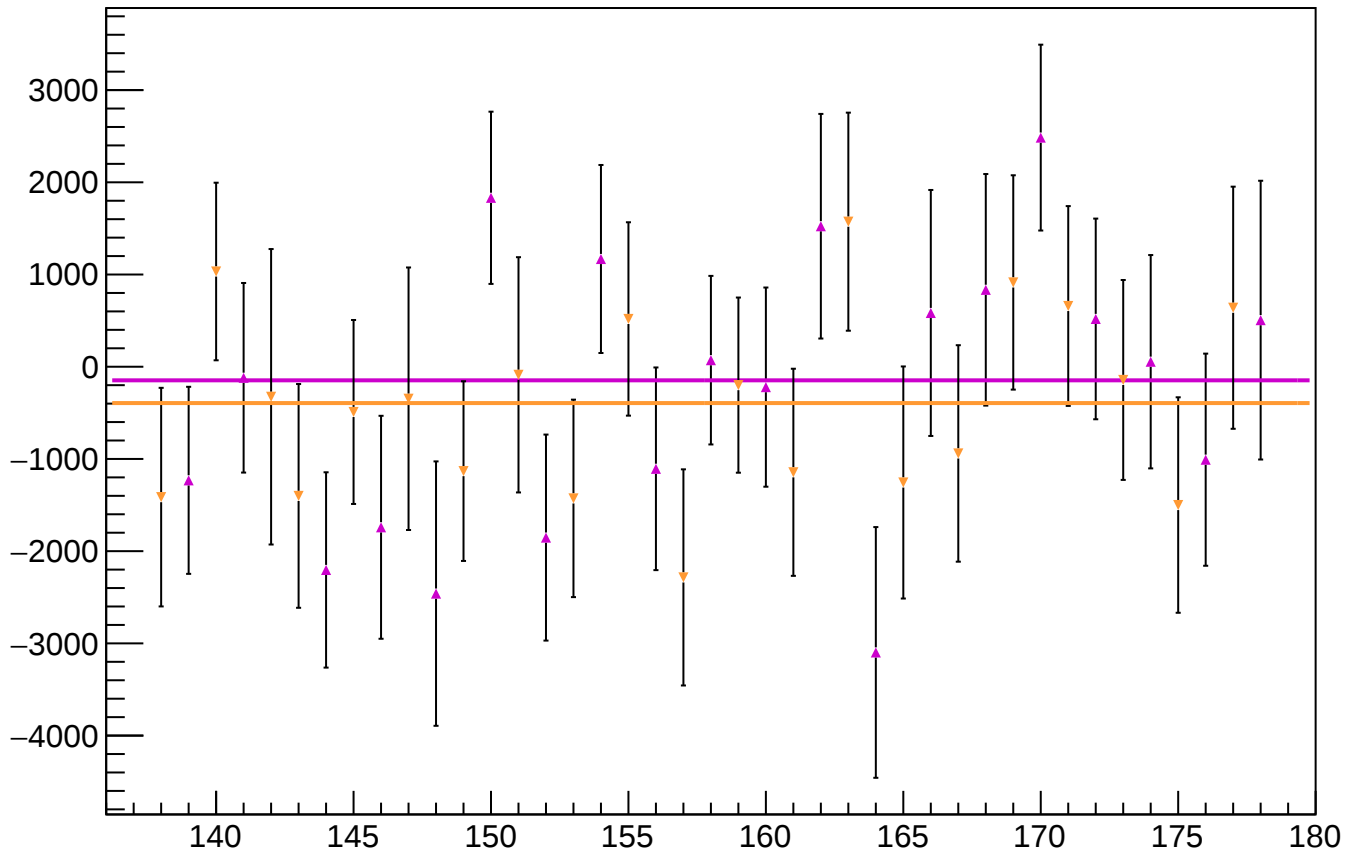
Left In: 158.428 $\pm$ 0.029 χ^2 /NDF: 268142.1/19

+ sign 132.246 $\pm$ 0.020 χ^2 /NDF: 2611491.3/37

All: 130.112 $\pm$ 0.014 χ^2 /NDF: 6089351.1/76

- sign 128.078 $\pm$ 0.020 χ^2 /NDF: 3456281.6/38

asym_sam5_correction_mean vs Slug



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

Left Out: -394.048+/-247.945 χ^2/NDF :16.3/20

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

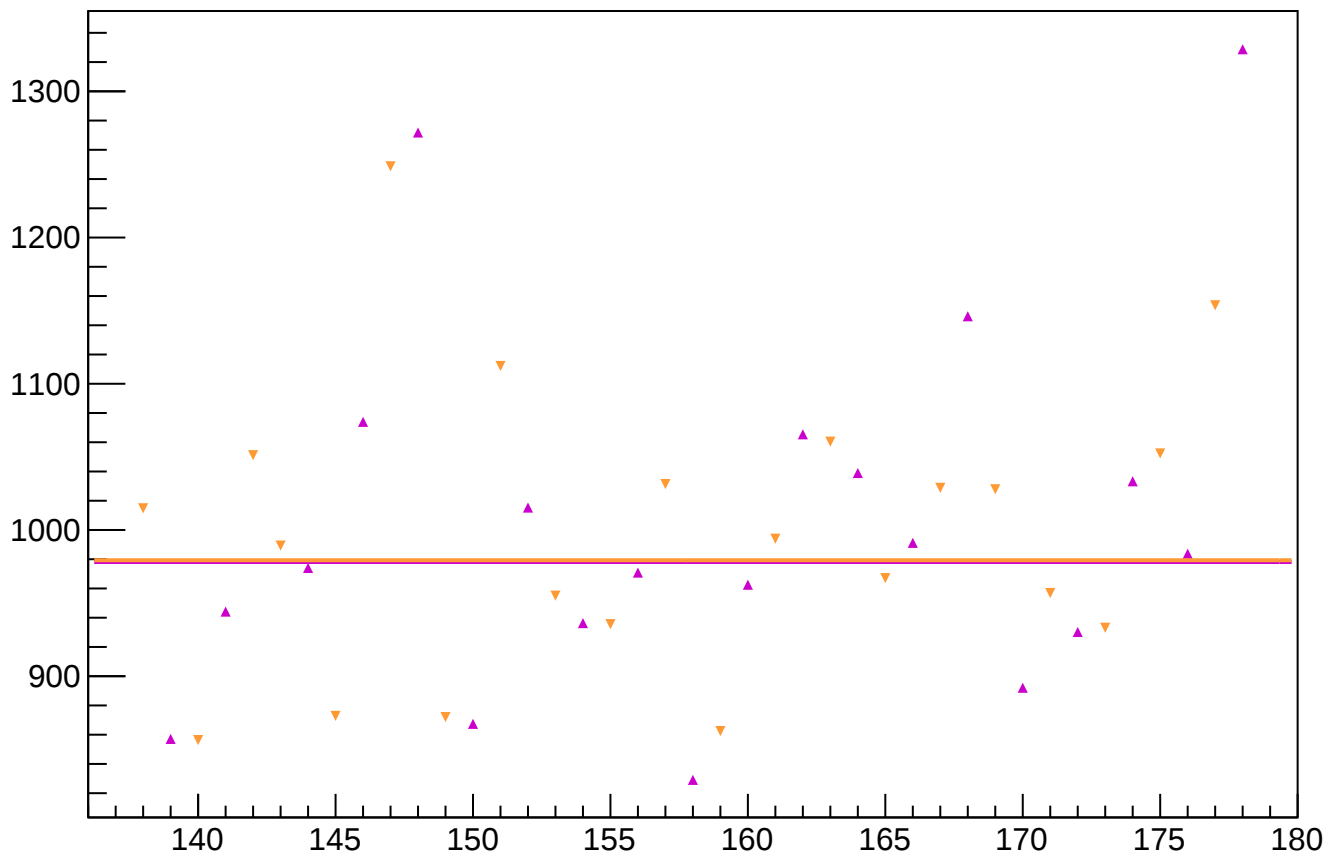
Left In: -147.448+/-250.349 χ^2/NDF :34.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -271.938+/-176.167 χ^2/NDF : 50.8/40

- 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: 979.301+/-0.175 χ^2/NDF : 282213.7/20

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

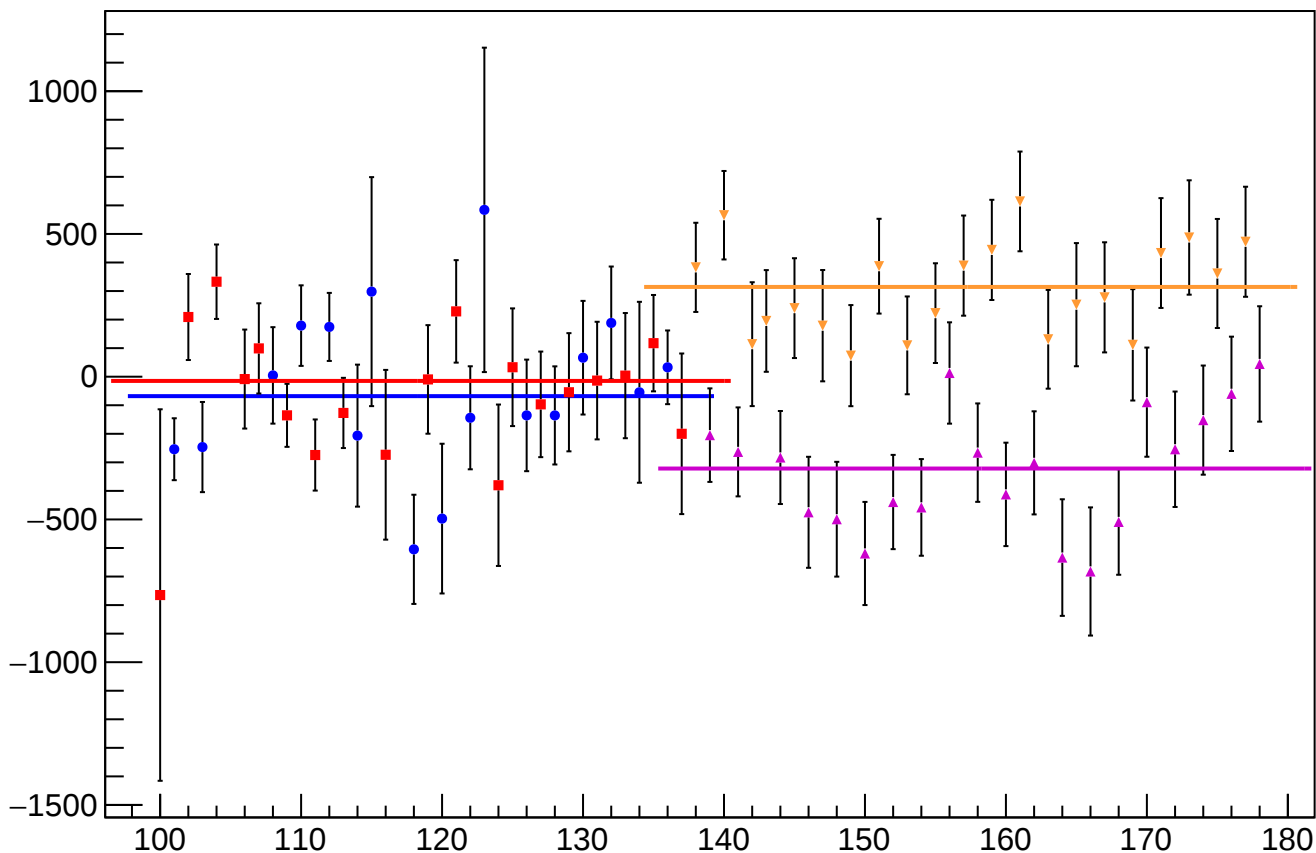
Left In: 978.101+/-0.177 χ^2/NDF : 395530.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 978.707+/-0.125 χ^2/NDF : 677767.5/40

- 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: 314.395 ± 39.479 χ^2/NDF : 16.4/20

Right Out: -14.800 ± 39.467 χ^2/NDF : 23.1/18

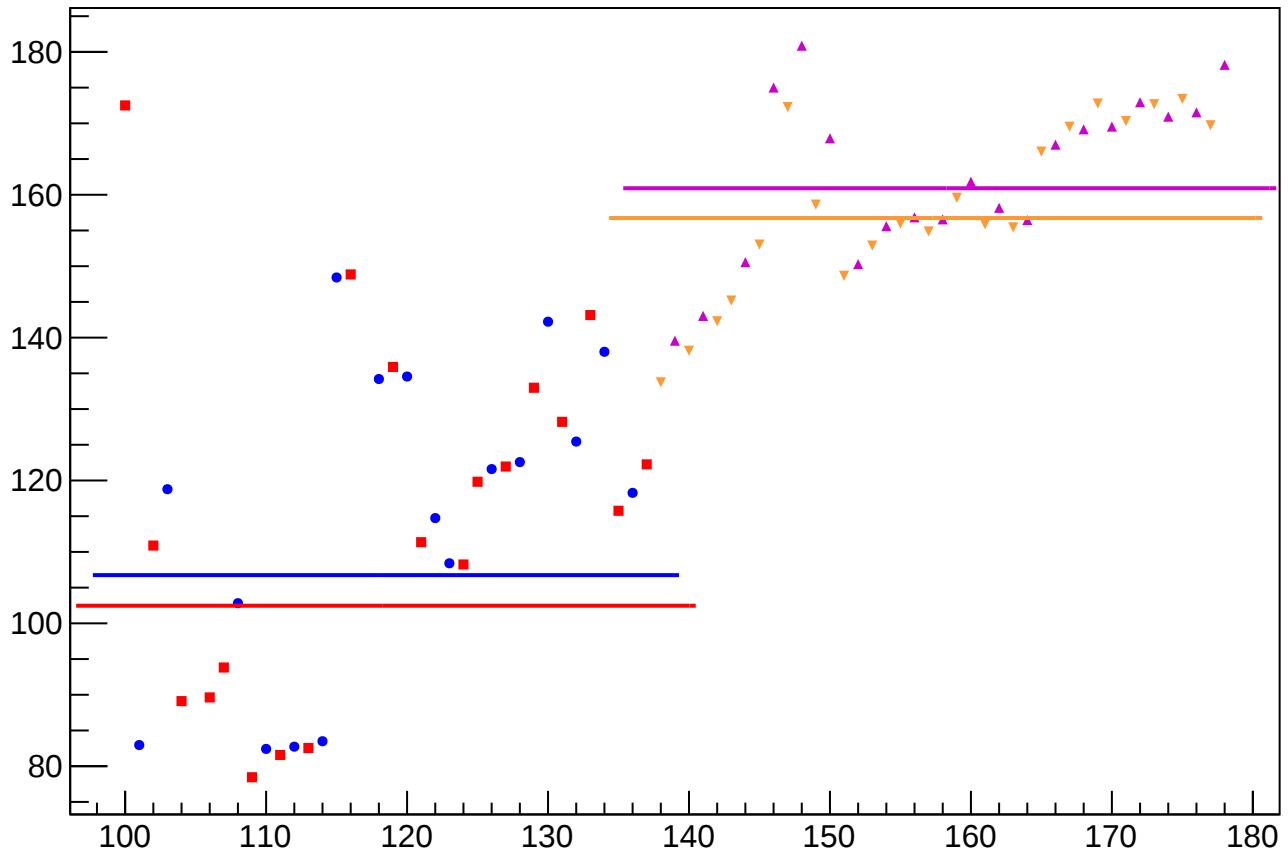
Left In: -321.692 ± 40.901 χ^2/NDF : 23.2/19

+ sign 136.165 ± 28.851 χ^2/NDF : 87.9/37

All: -15.651 ± 20.240 χ^2/NDF : 218.0/76

- sign -162.769 ± 28.401 χ^2/NDF : 75.5/38

reg_asym_sam6_rms vs Slug



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 156.749 $\pm$ 0.028 χ^2 /NDF:182934.5/20

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

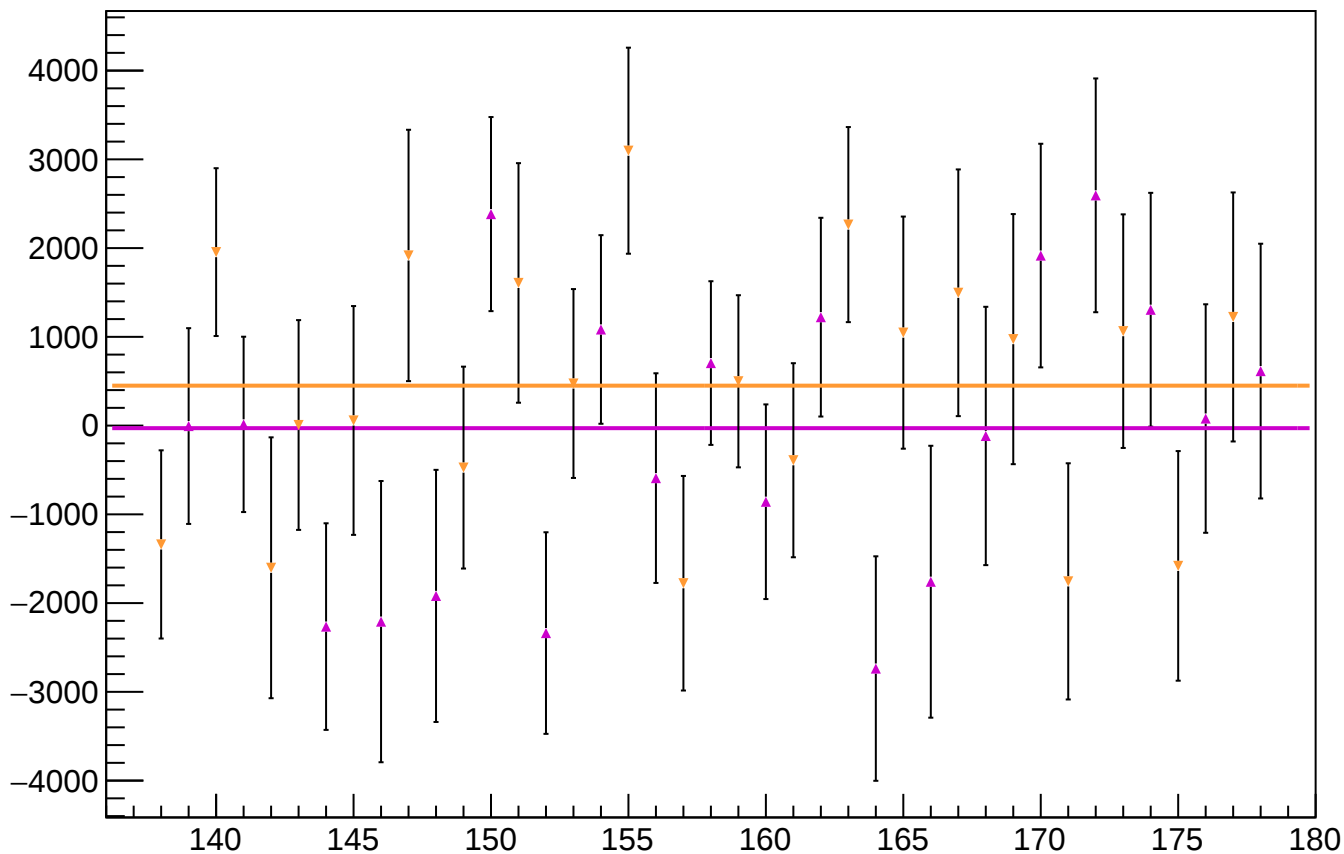
Left In: 160.914 $\pm$ 0.029 χ^2 /NDF:157979.5/19

+ sign 133.452 $\pm$ 0.020 χ^2 /NDF: 2179438.4/37

All: 132.027 $\pm$ 0.014 χ^2 /NDF: 5051184.2/76

- sign 130.647 $\pm$ 0.020 χ^2 /NDF: 2862149.8/38

asym_sam6_correction_mean vs Slug



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

Left Out: 450.074+/-262.613 χ^2/NDF :28.6/20

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

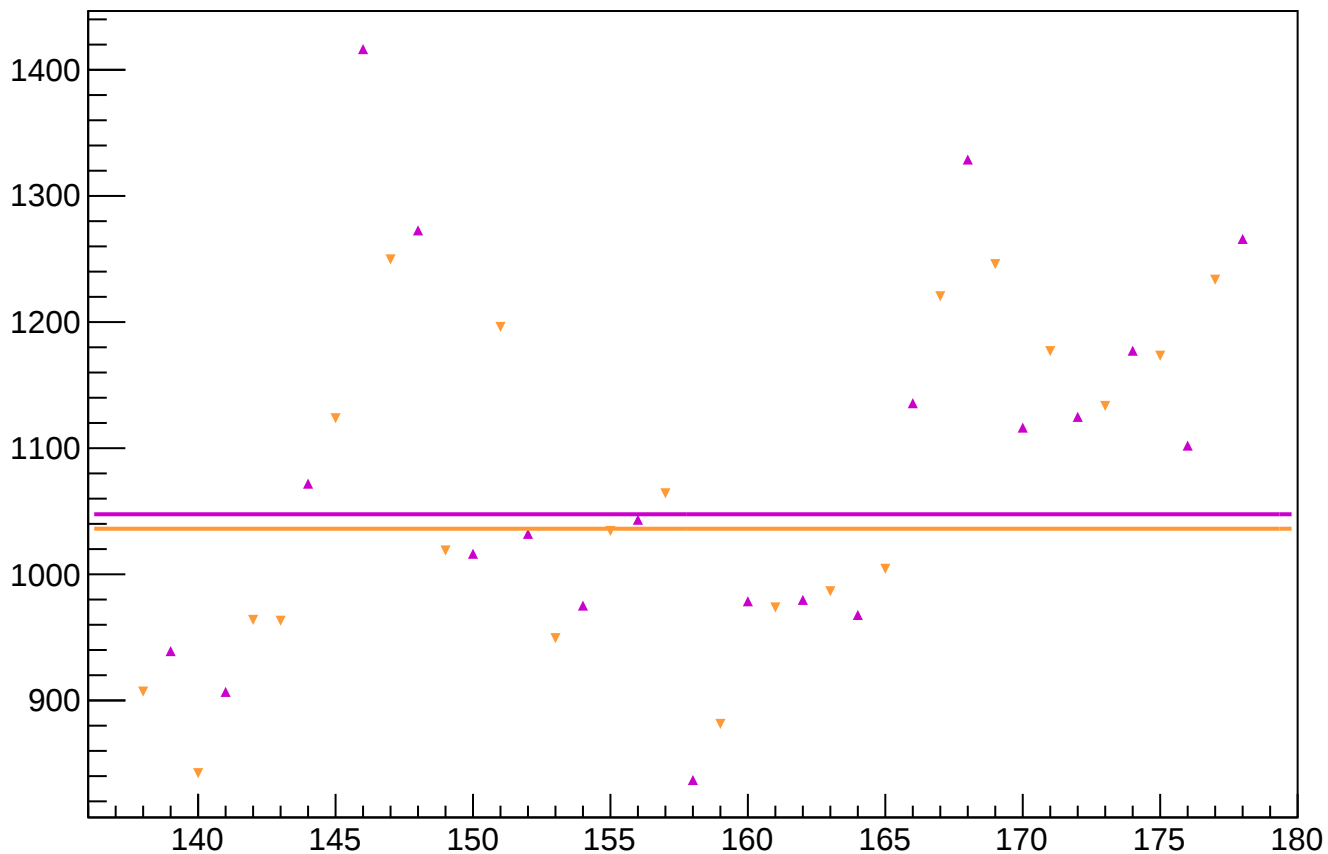
Left In: -28.929+/-268.286 χ^2/NDF :33.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 215.690+/-187.669 χ^2/NDF : 63.8/40

- 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: 1036.155+/-0.186 χ^2 /NDF:461435.7/20

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

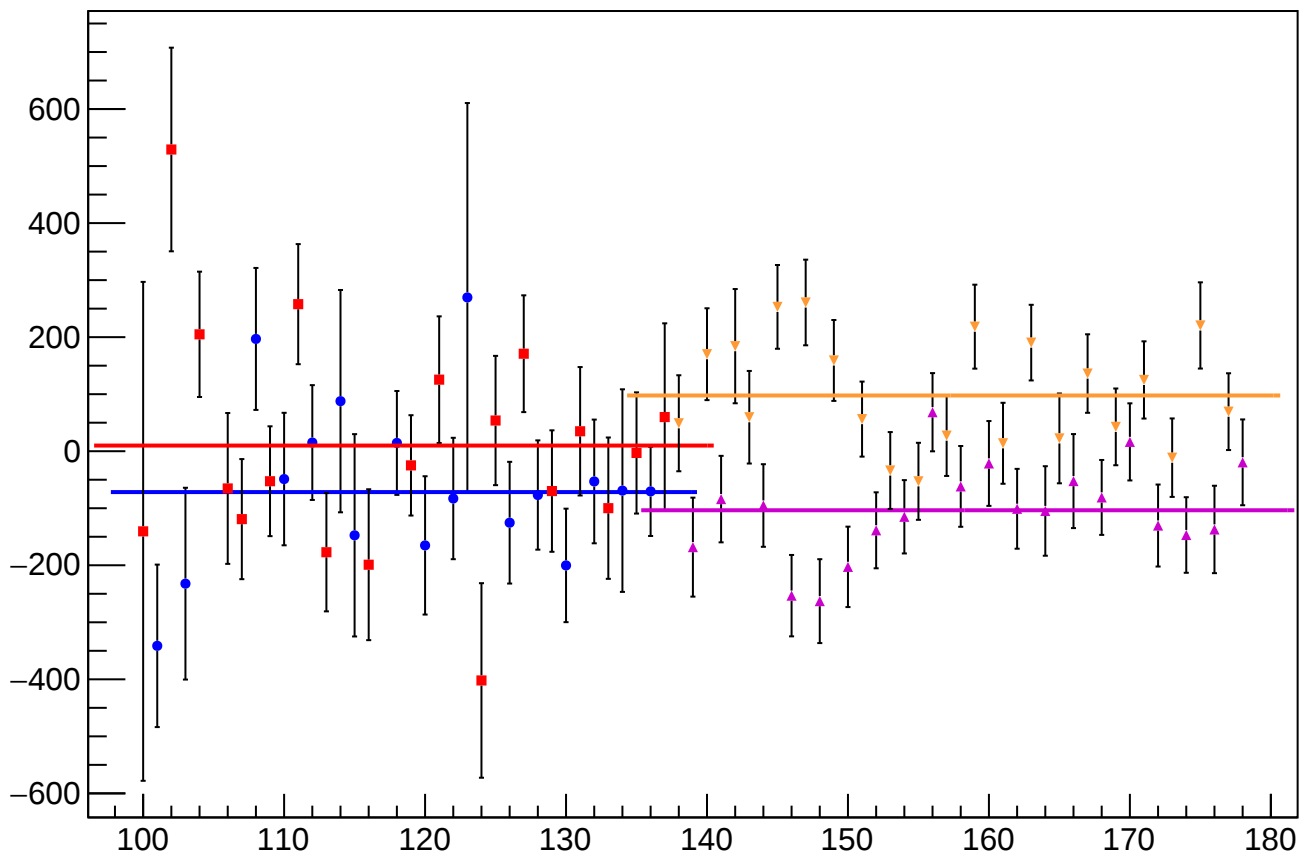
Left In: 1047.618+/-0.190 χ^2 /NDF:521806.5/19

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 1041.764+/-0.133 χ^2 /NDF: 985106.8/40

- 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: 97.741 ± 15.797 χ^2/NDF : 35.6/20

Right Out: 9.917 ± 26.816 χ^2/NDF : 36.5/18

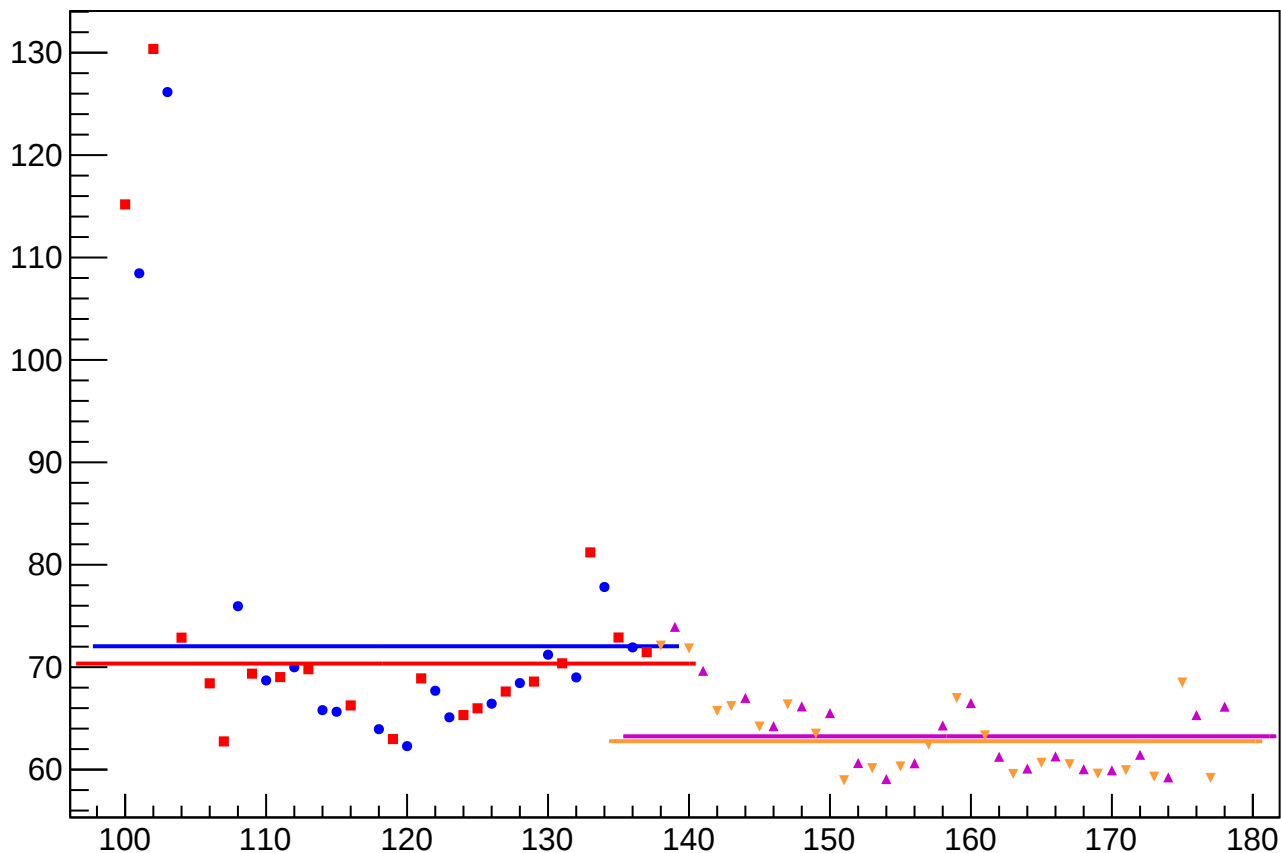
Left In: -103.551 ± 16.071 χ^2/NDF : 25.5/19

+ sign 57.621 ± 13.800 χ^2/NDF : 78.1/37

All: -8.047 ± 9.753 χ^2/NDF : 198.5/76

- sign -73.567 ± 13.785 χ^2/NDF : 75.2/38

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 62.775 $\pm$ 0.011 χ^2 /NDF: 118332.5/20

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

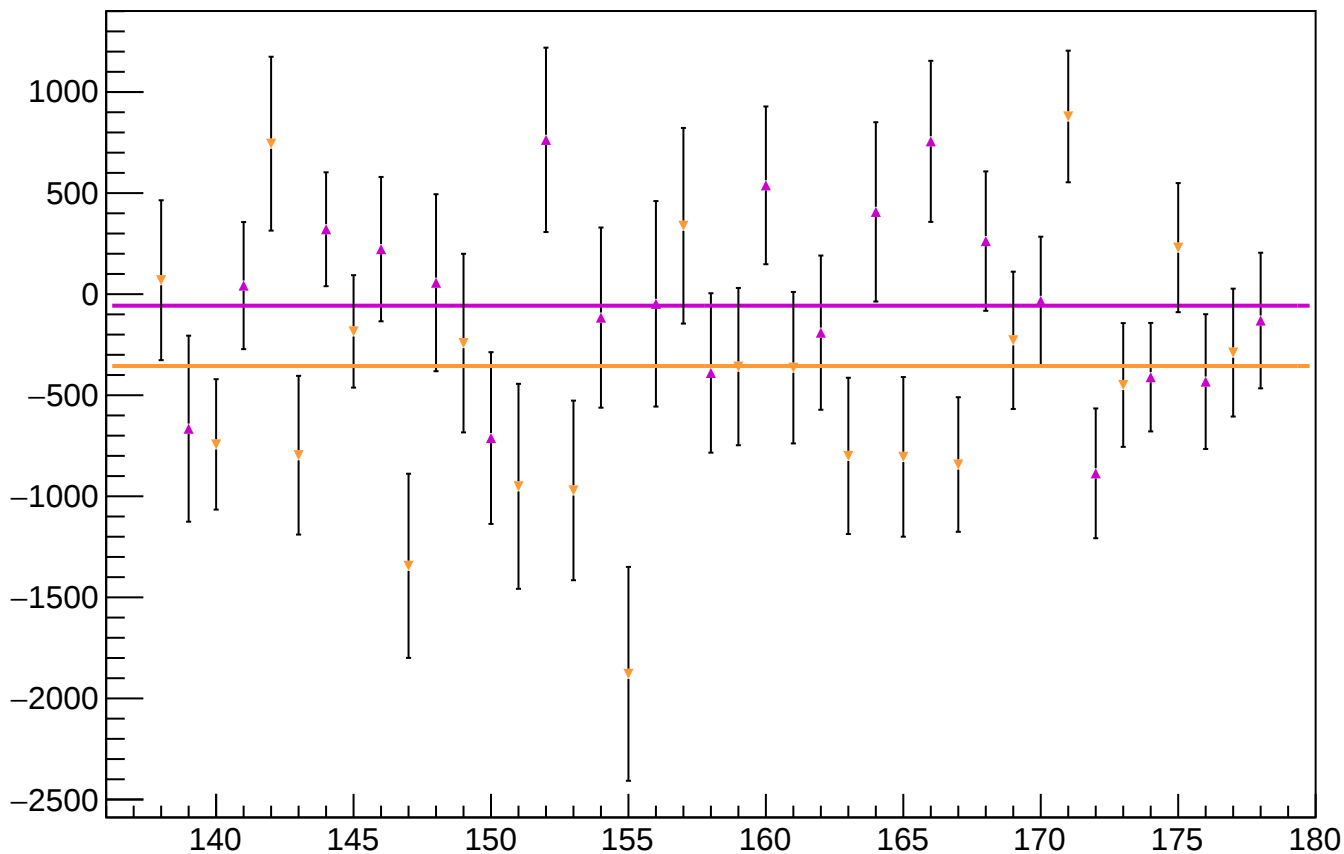
Left In: 63.251 $\pm$ 0.011 χ^2 /NDF: 102784.2/19

+ sign 64.969 $\pm$ 0.010 χ^2 /NDF: 673328.6/37

All: 65.049 $\pm$ 0.007 χ^2 /NDF: 1178389.6/76

- sign 65.127 $\pm$ 0.010 χ^2 /NDF: 504929.7/38

asym_sam7_correction_mean vs Slug



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

Left Out: -355.346 $\pm$ 81.116 χ^2 /NDF:52.0/20

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

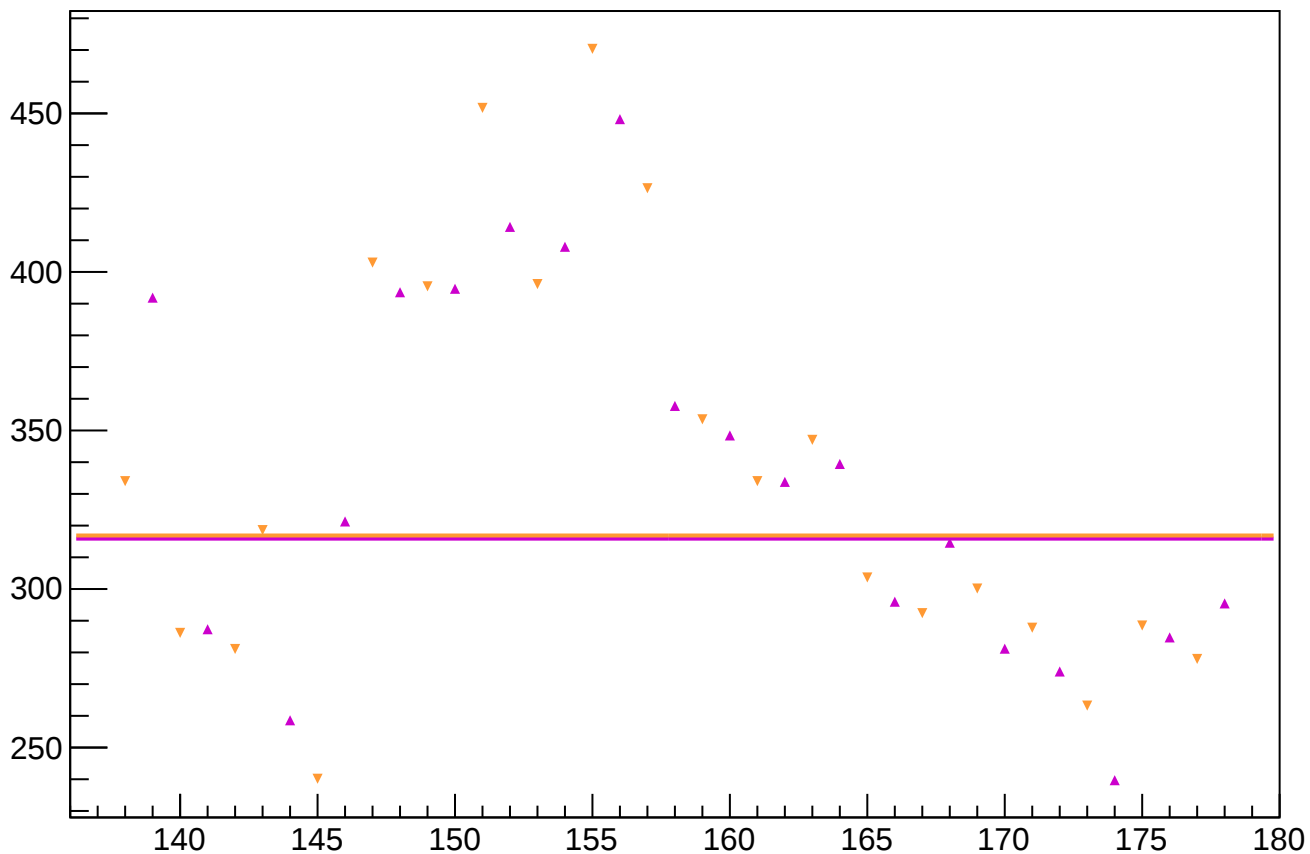
Left In: -56.932 $\pm$ 81.432 χ^2 /NDF:29.0/19

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

All: -206.719 $\pm$ 57.469 χ^2 /NDF: 87.7/40

- 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: 316.880+/-0.057 χ^2/NDF : 973965.5/20

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

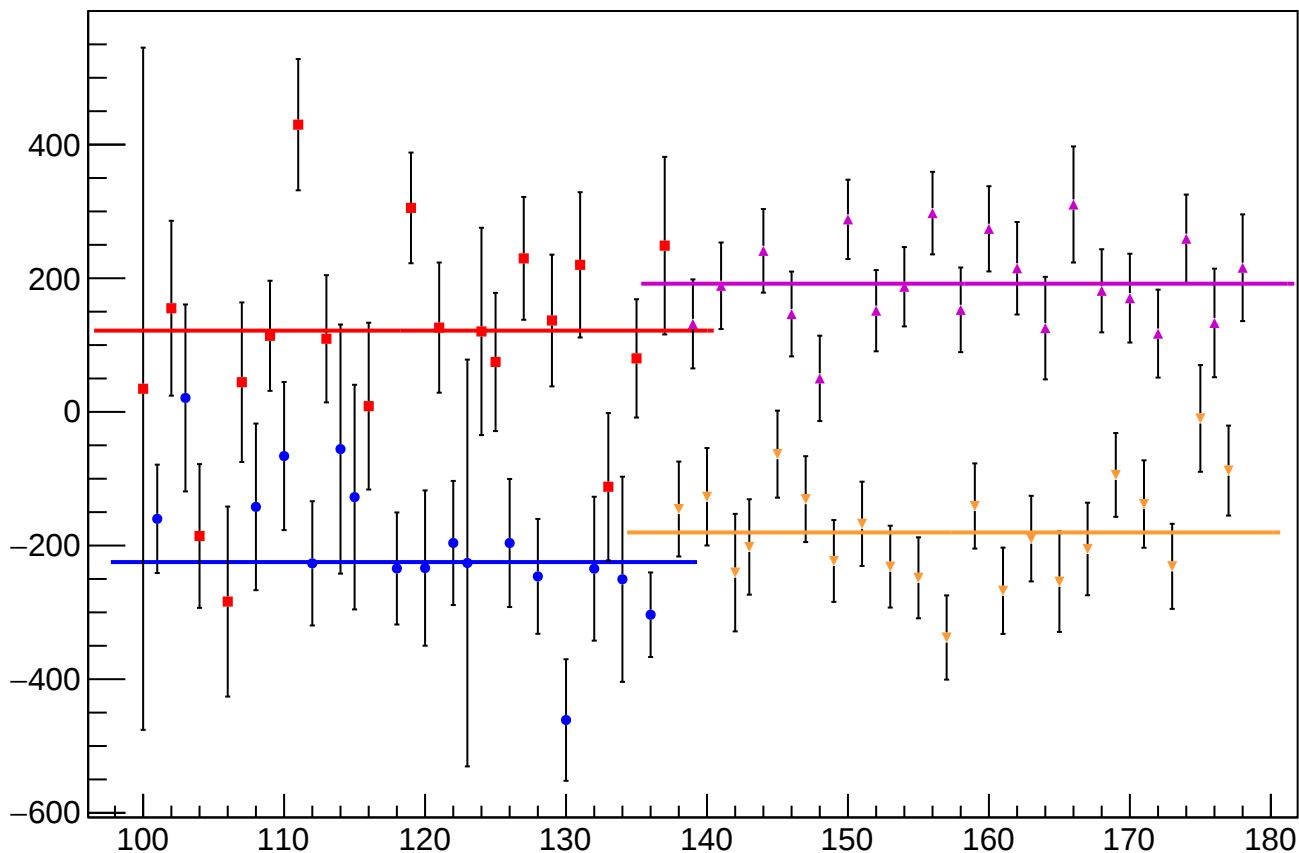
Left In: 315.891+/-0.058 χ^2/NDF : 895382.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 316.387+/-0.041 χ^2/NDF : 1869496.5/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -180.453 ± 14.546 χ^2/NDF : 26.6/20

Right Out: 121.633 ± 24.599 χ^2/NDF : 40.5/18

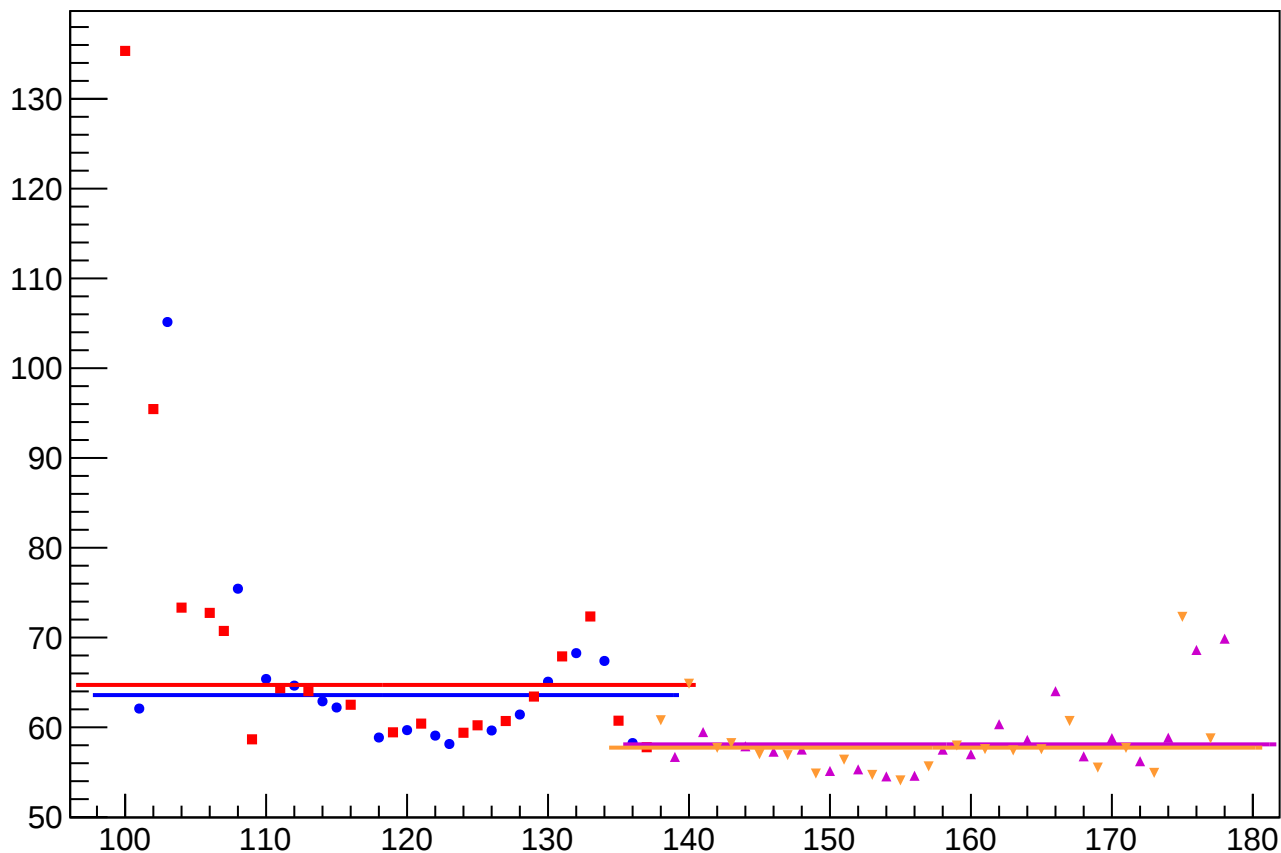
Left In: 191.884 ± 14.787 χ^2/NDF : 20.7/19

+ sign -191.731 ± 12.557 χ^2/NDF : 44.9/37

All: -10.931 ± 8.920 χ^2/NDF : 530.6/76

- sign 173.237 ± 12.674 χ^2/NDF : 67.2/38

reg_asym_sam8_rms vs Slug



Right In: 63.589+/-0.018 χ^2 /NDF: 234601.0/16

Left Out: 57.736+/-0.010 χ^2 /NDF:120380.5/20

Right Out: 64.720+/-0.017 χ^2 /NDF: 227506.4/18

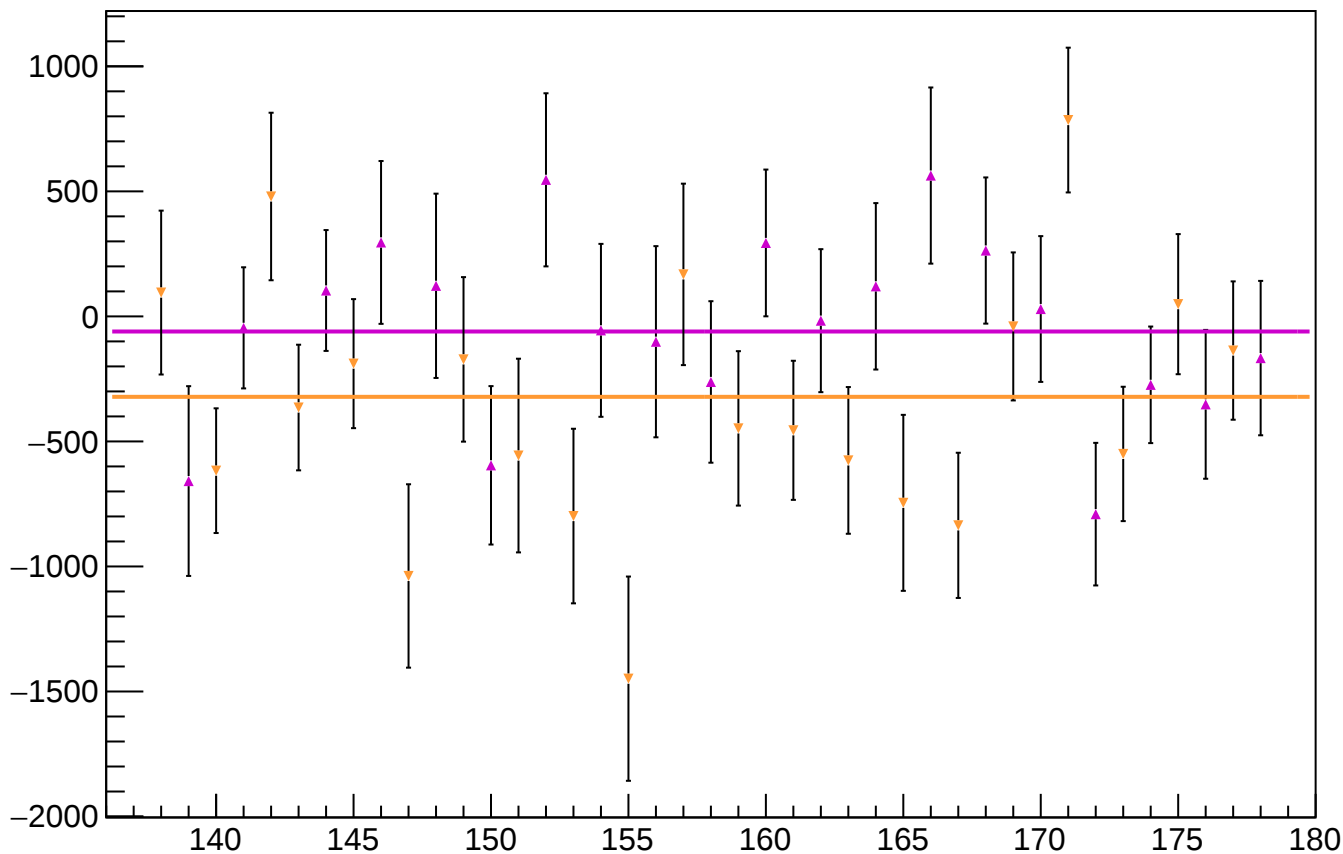
Left In: 58.101+/-0.010 χ^2 /NDF:117344.2/19

+ sign 59.227+/-0.009 χ^2 /NDF: 437480.9/37

All: 59.539+/-0.006 χ^2 /NDF: 891210.2/76

- sign 59.858+/-0.009 χ^2 /NDF: 451226.7/38

asym_sam8_correction_mean vs Slug



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

Left Out: -321.662+/-66.181 χ^2/NDF : 48.9/20

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

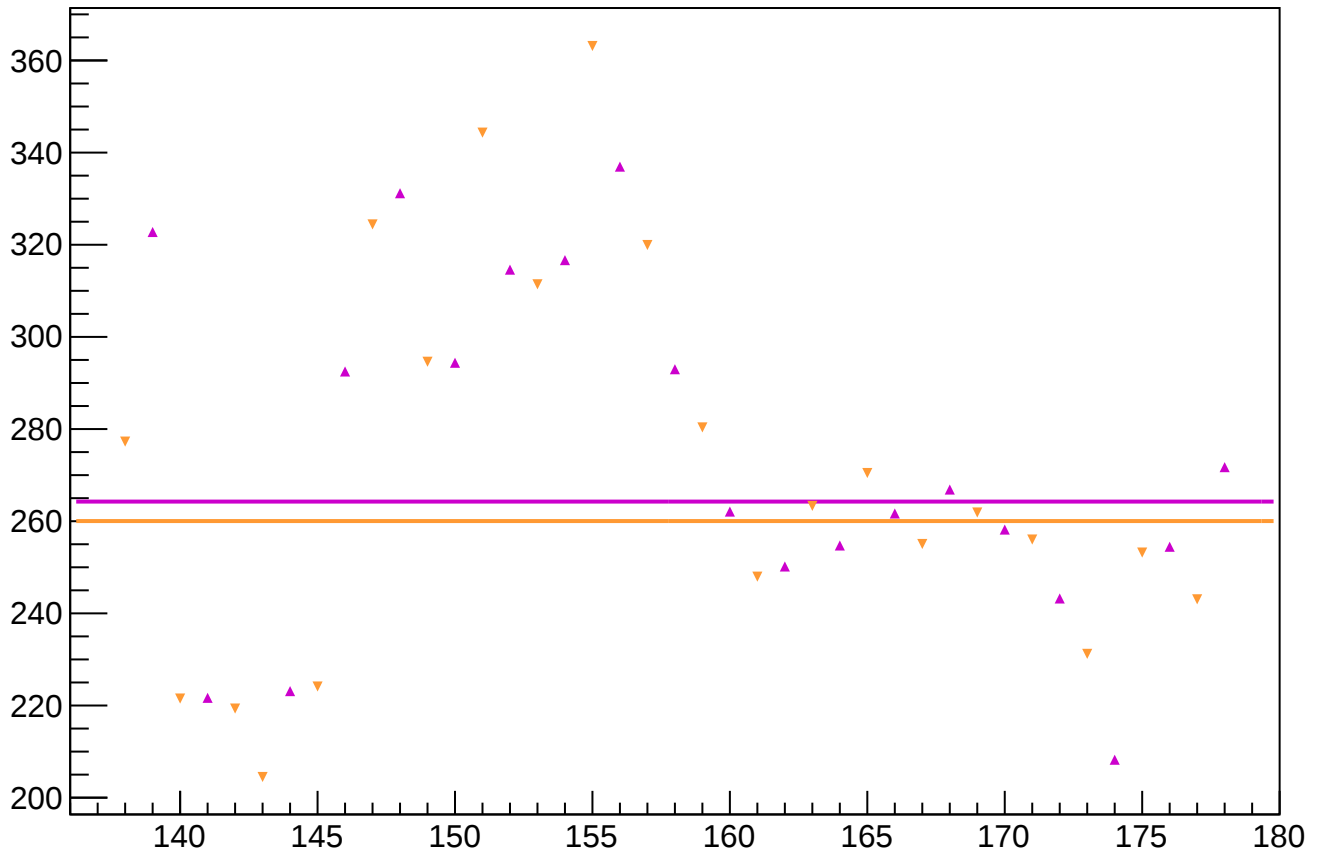
Left In: -60.422+/-67.738 χ^2/NDF : 25.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -194.080+/-47.338 χ^2/NDF : 81.9/40

- 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: 260.032+/-0.047 χ^2/NDF : 670377.7/20

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

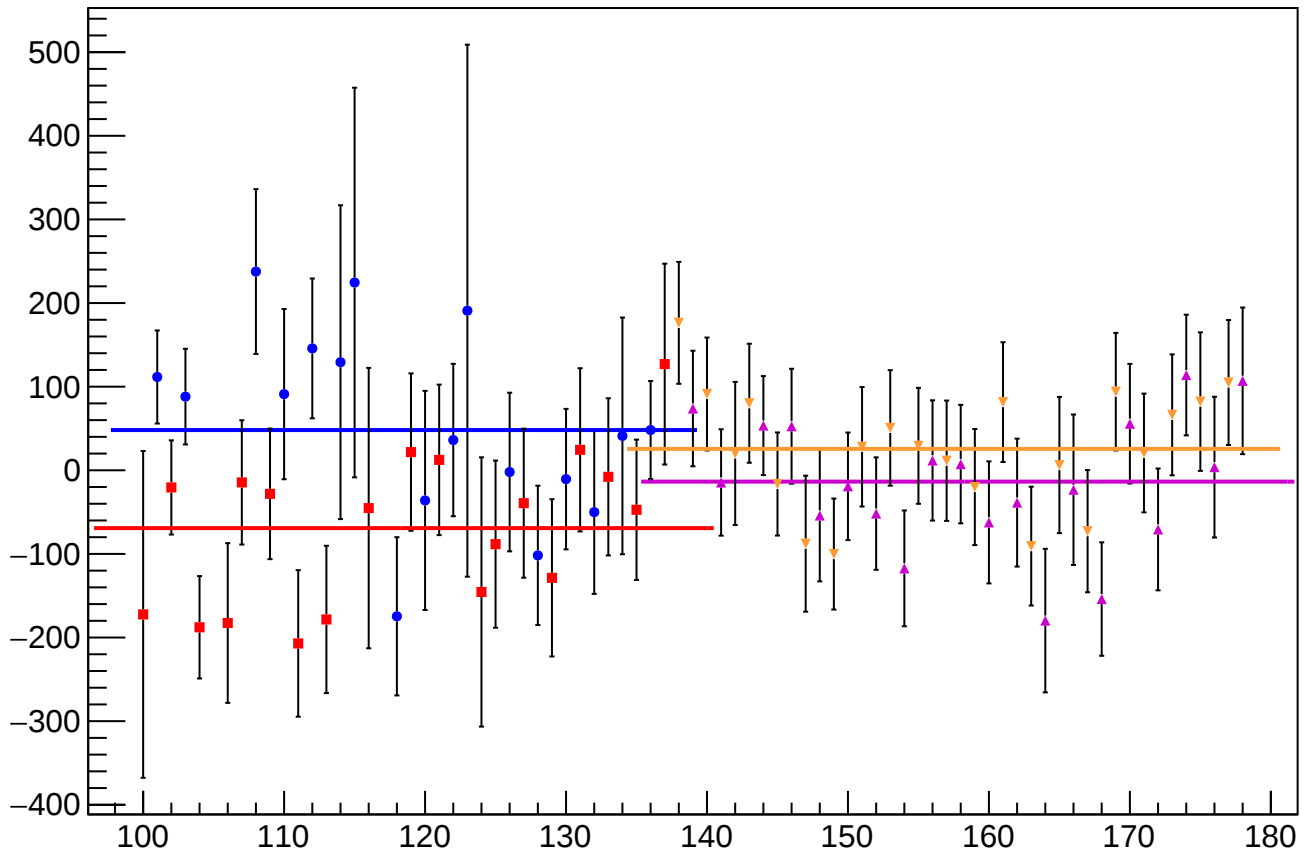
Left In: 264.260+/-0.048 χ^2/NDF : 580380.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 262.097+/-0.033 χ^2/NDF : 1254743.9/40

- 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: 25.611+/-15.723 χ^2/NDF : 20.4/20

Right Out: -69.156+/-20.407 χ^2/NDF : 17.7/18

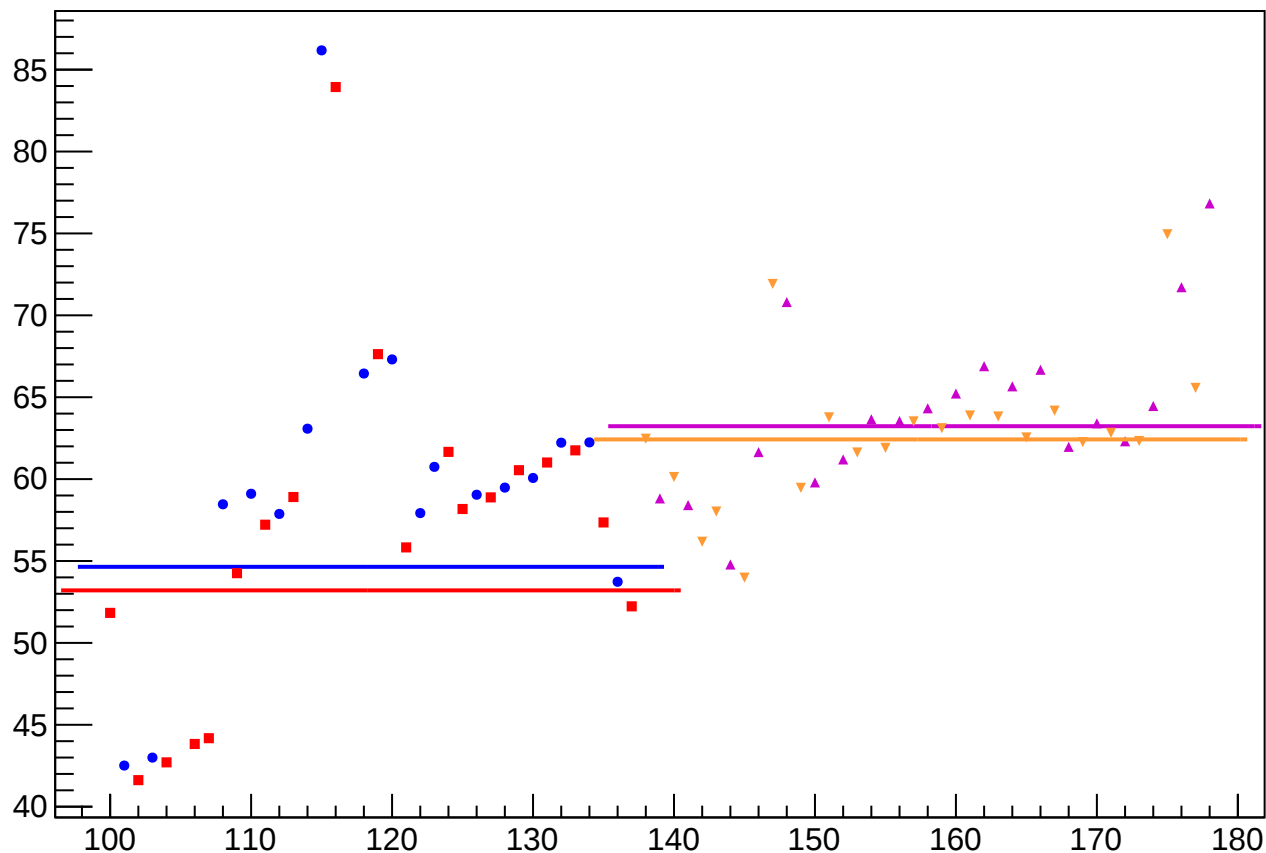
Left In: -13.555+/-16.092 χ^2/NDF : 22.1/19

+ sign 33.445+/-12.693 χ^2/NDF : 40.1/37

All: -0.868+/-8.955 χ^2/NDF : 99.0/76

- sign -34.873+/-12.636 χ^2/NDF : 44.3/38

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 62.424+/-0.011 χ^2/NDF : 143220.5/20

Right Out: 53.207+/-0.014 χ^2/NDF : 386295.2/18

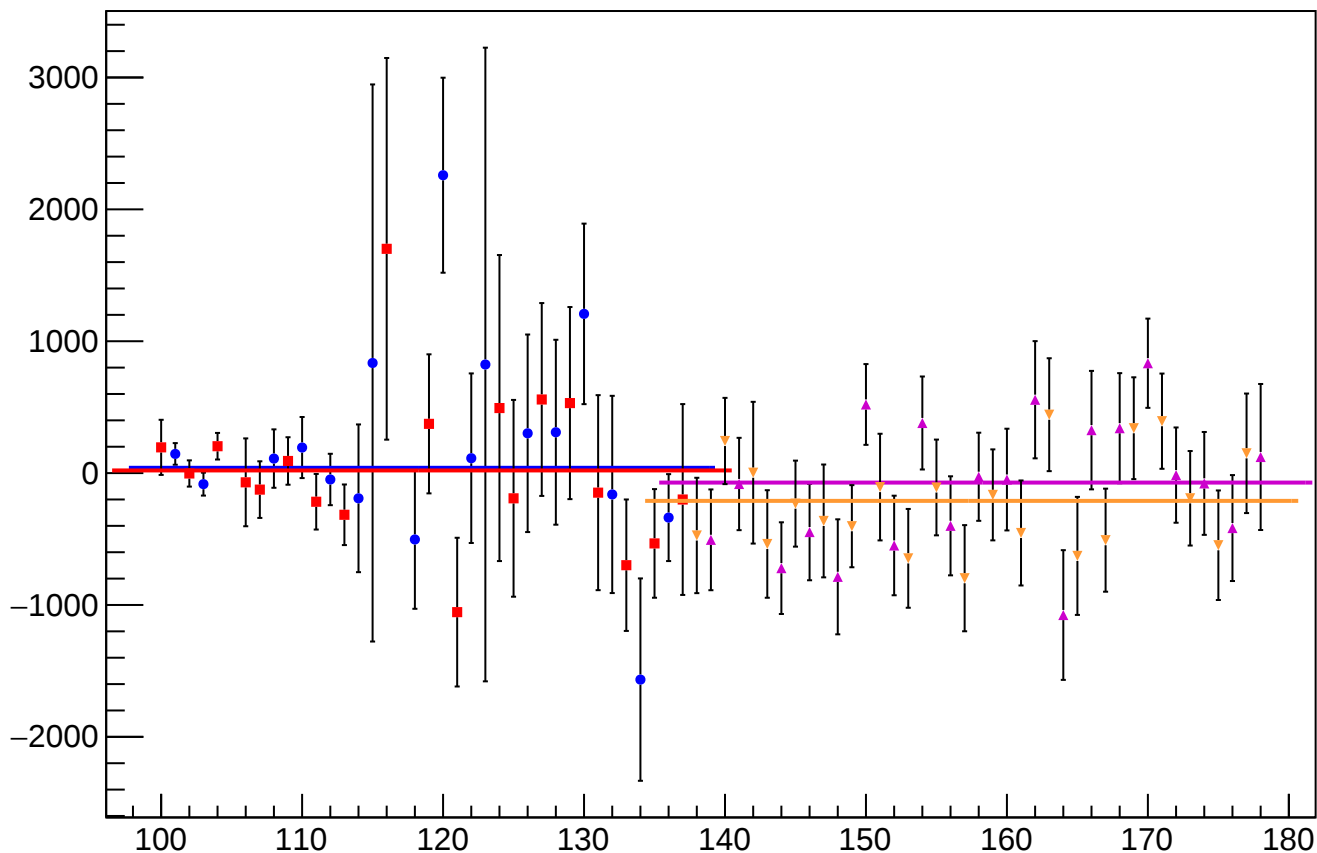
Left In: 63.231+/-0.011 χ^2/NDF : 168672.9/19

+ sign 59.715+/-0.009 χ^2/NDF : 632993.6/37

All: 59.550+/-0.006 χ^2/NDF : 1486154.0/76

- sign 59.387+/-0.009 χ^2/NDF : 852491.9/38

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -210.620 $\pm$ 84.282 χ^2 /NDF: 17.5/20

Right Out: 20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

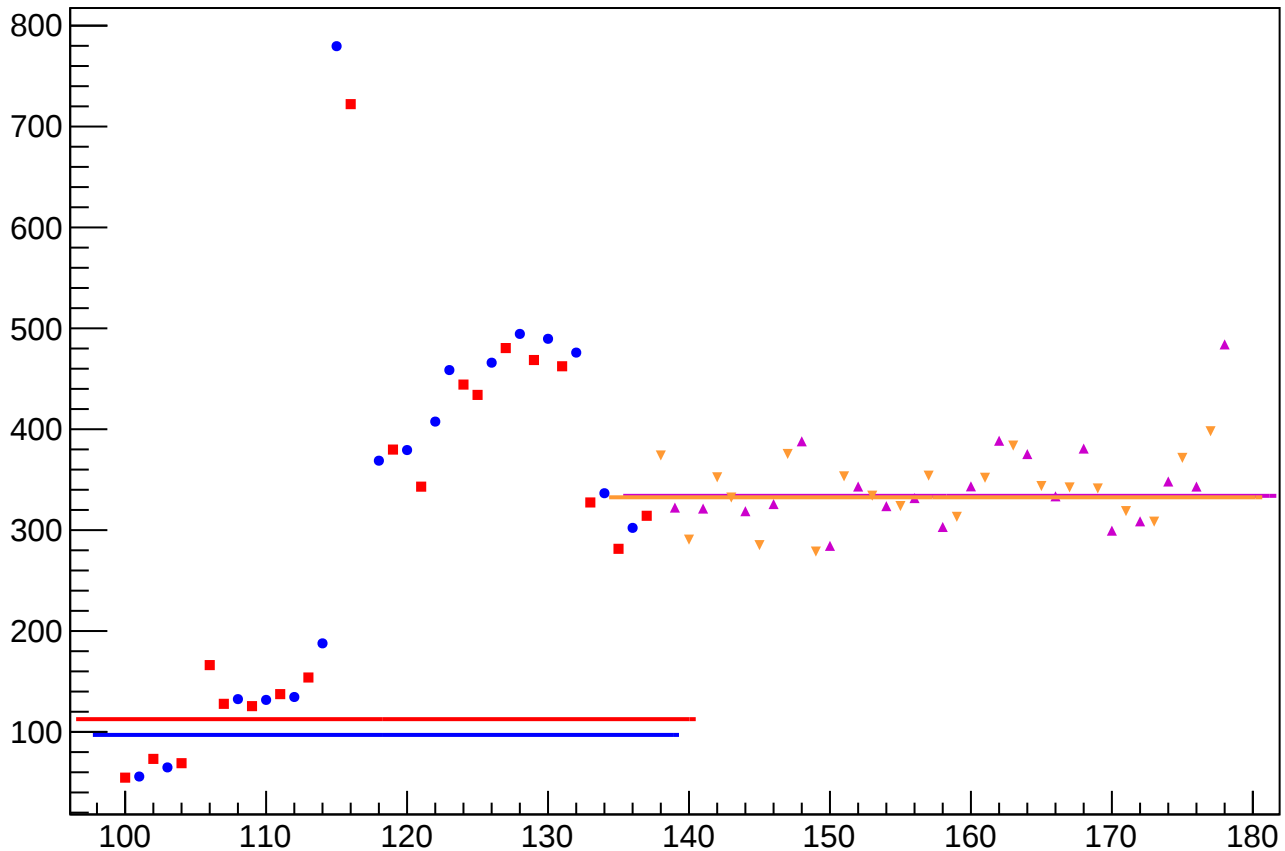
Left In: -71.894 $\pm$ 85.486 χ^2 /NDF: 32.2/19

+ sign -28.066 $\pm$ 43.972 χ^2 /NDF: 47.8/37

All: -17.116 $\pm$ 31.522 χ^2 /NDF: 100.0/76

- sign -5.539 $\pm$ 45.213 χ^2 /NDF: 52.0/38

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2 /NDF: 5819709.2/16

Left Out: 332.543+/-0.060 χ^2 /NDF:302441.8/20

Right Out: 112.653+/-0.038 χ^2 /NDF: 5036306.5/18

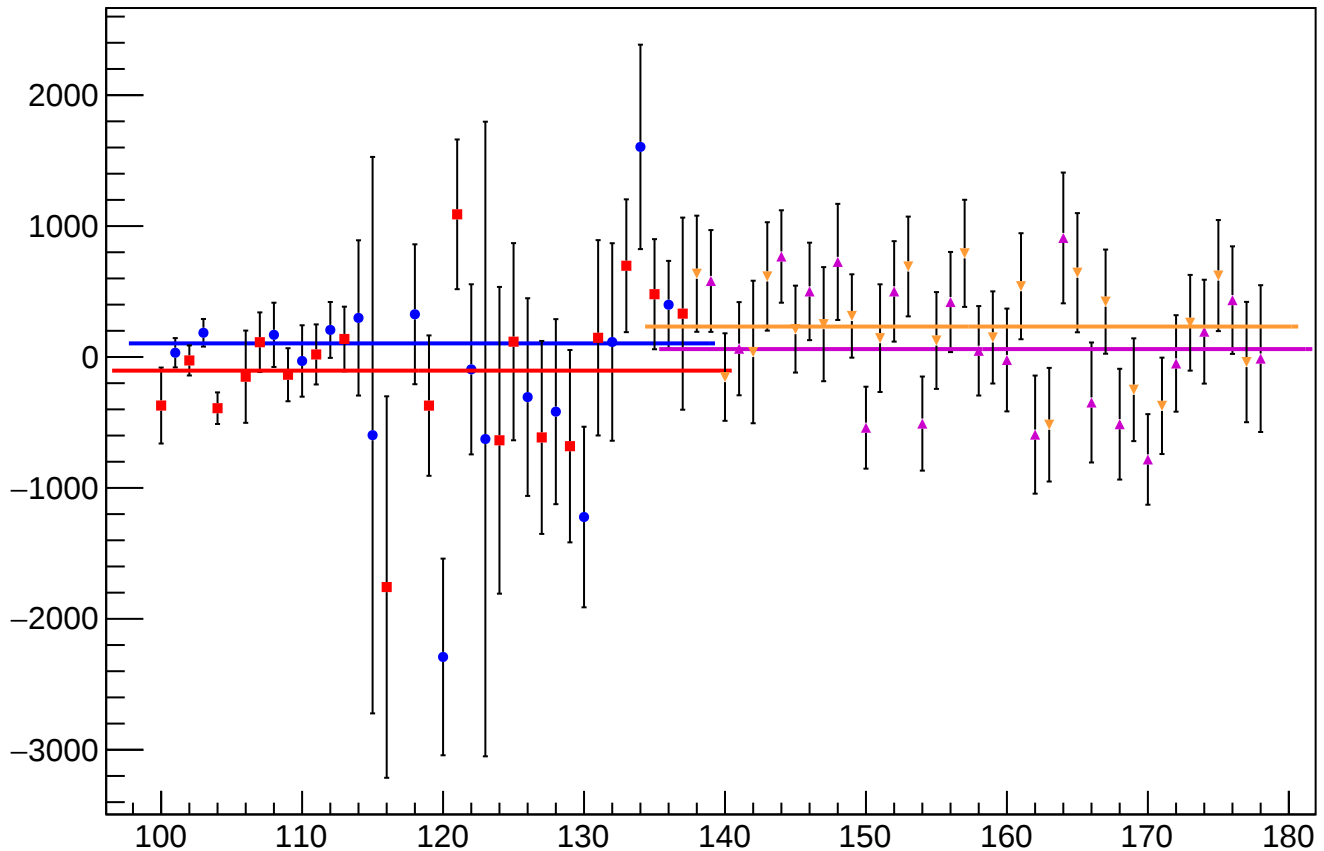
Left In: 333.992+/-0.060 χ^2 /NDF:364388.3/19

+ sign 161.141+/-0.031 χ^2 /NDF: 17487258.4/37

All: 167.668+/-0.022 χ^2 /NDF: 32635688.0/70

- sign 174.568+/-0.032 χ^2 /NDF: 15057783.3/38

asym_sam_15_avg_mean vs Slug



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 232.561 $\pm$ 85.808 χ^2 /NDF:16.7/20

Right Out: -104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

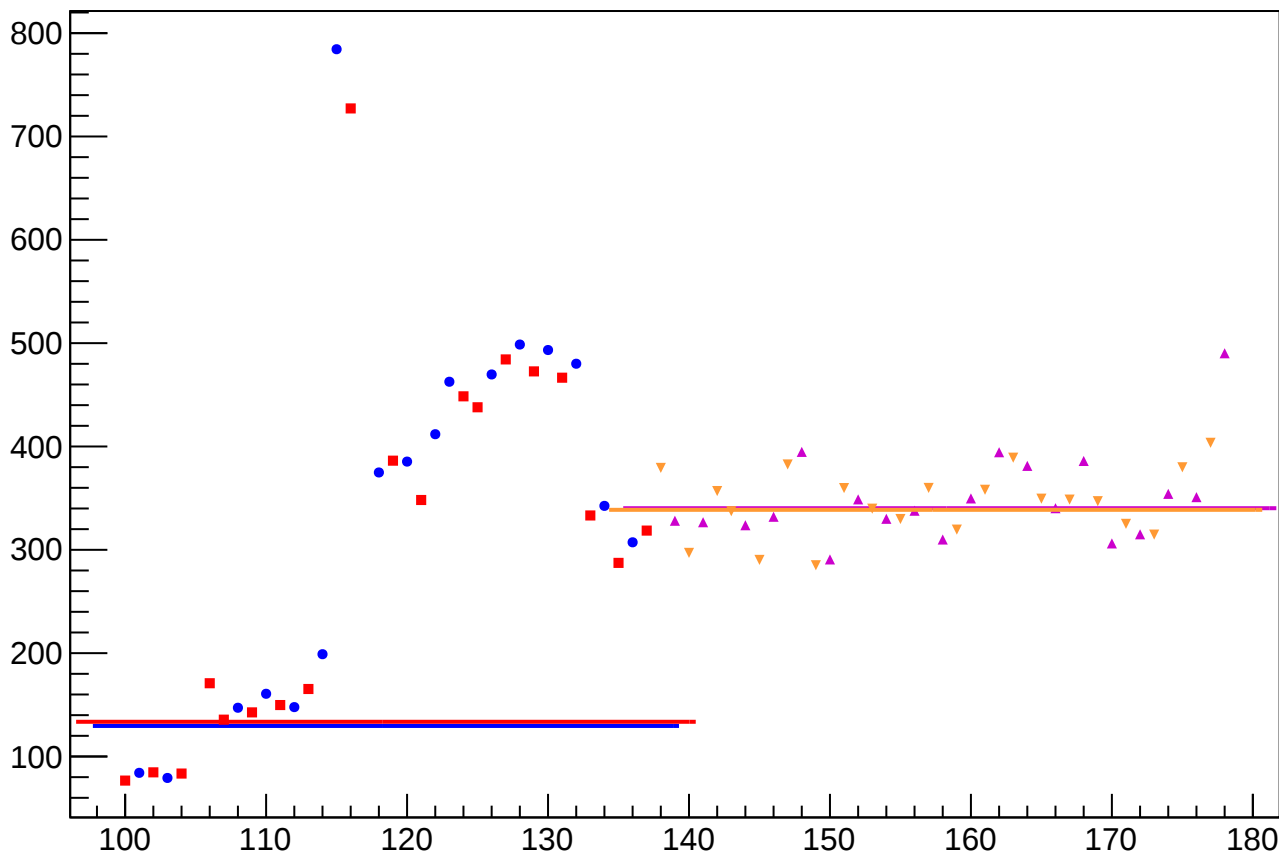
Left In: 60.432 $\pm$ 87.061 χ^2 /NDF:32.5/19

+ sign 149.173 $\pm$ 50.864 χ^2 /NDF: 39.5/37

All: 47.577 $\pm$ 35.613 χ^2 /NDF: 103.5/76

- sign -50.121 $\pm$ 49.879 χ^2 /NDF: 56.2/38

asym_sam_15_avg_rms vs Slug



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 338.707 $\pm$ 0.061 χ^2 /NDF: 292348.6/20

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

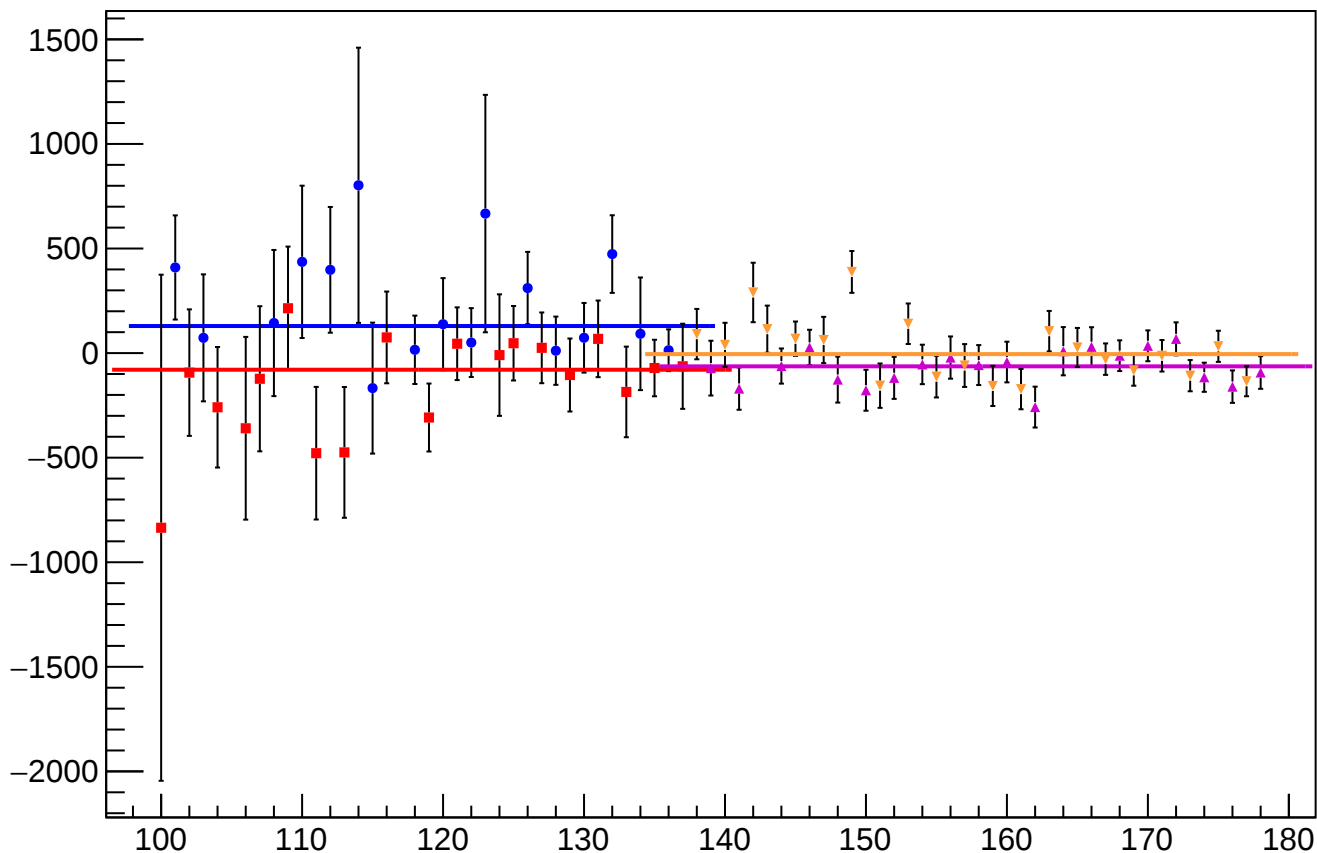
Left In: 340.274 $\pm$ 0.062 χ^2 /NDF: 351510.5/19

+ sign 203.043 $\pm$ 0.036 χ^2 /NDF: 12772103.5/37

All: 202.223 $\pm$ 0.025 χ^2 /NDF: 25062806.1/70

- sign 201.434 $\pm$ 0.035 χ^2 /NDF: 12289681.9/38

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: -4.872 $\pm$ 19.841 χ^2 /NDF: 42.2/20

Right Out: -79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

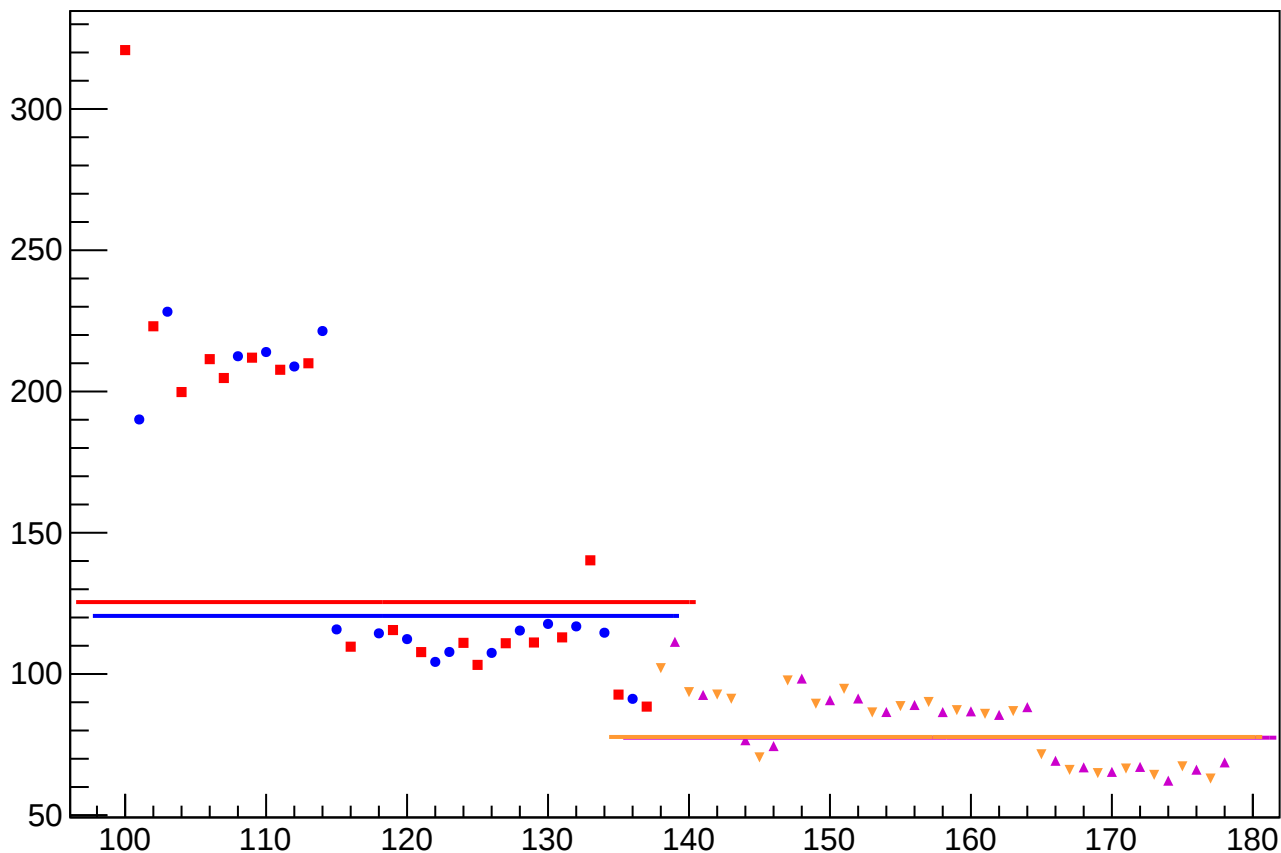
Left In: -63.338 $\pm$ 19.961 χ^2 /NDF: 17.1/19

+ sign 13.960 $\pm$ 18.397 χ^2 /NDF: 61.5/37

All: -25.511 $\pm$ 13.056 χ^2 /NDF: 98.2/76

- sign -65.566 $\pm$ 18.532 χ^2 /NDF: 27.5/38

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 77.715 $\pm$ 0.014 χ^2 /NDF: 809192.4/20

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

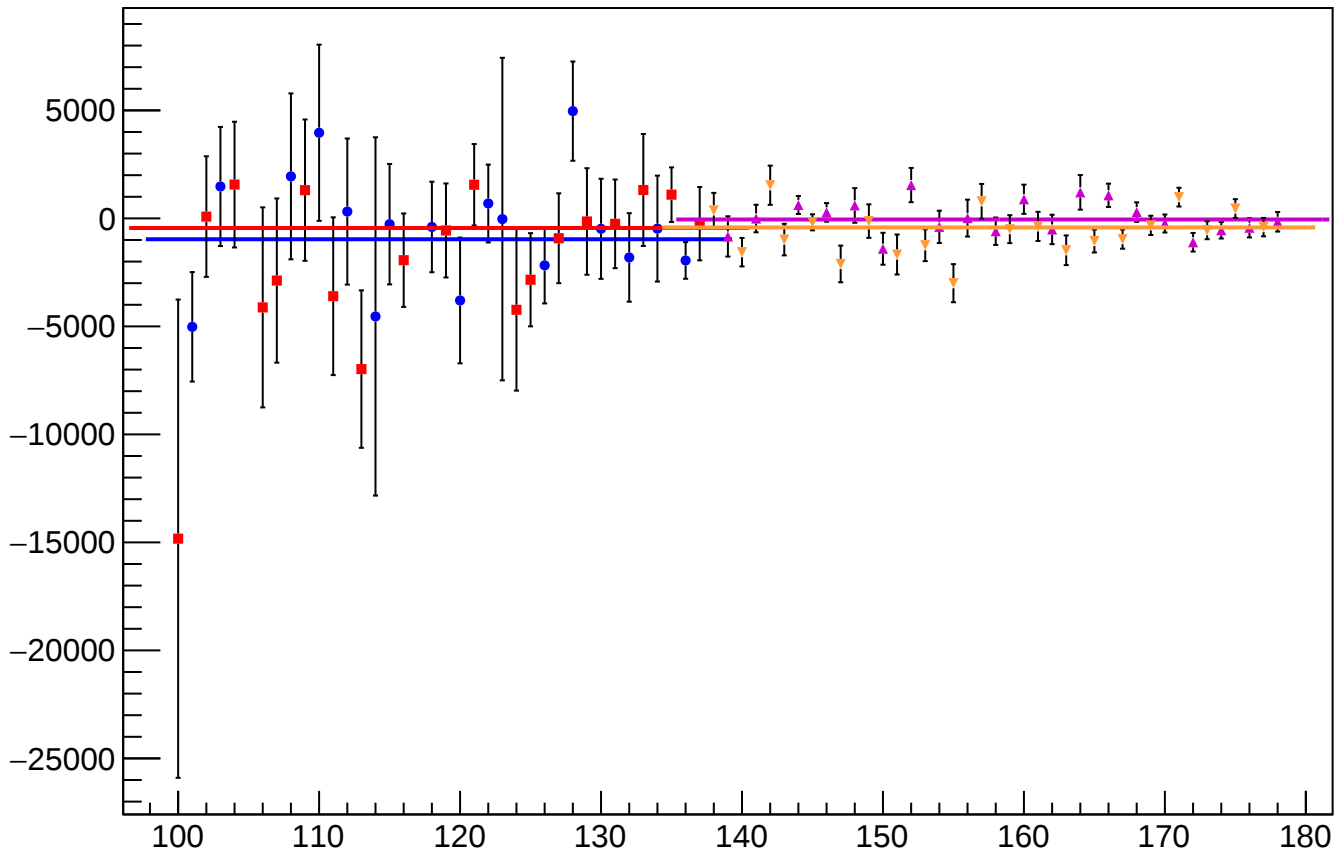
Left In: 77.460 $\pm$ 0.014 χ^2 /NDF: 748785.1/19

+ sign 83.725 $\pm$ 0.013 χ^2 /NDF: 3229703.5/37

All: 83.903 $\pm$ 0.009 χ^2 /NDF: 6908655.3/76

- sign 84.084 $\pm$ 0.013 χ^2 /NDF: 3678575.0/38

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -420.342 ± 123.767 χ^2/NDF : 47.4/20

Right Out: -444.406 ± 545.370 χ^2/NDF : 13.4/18

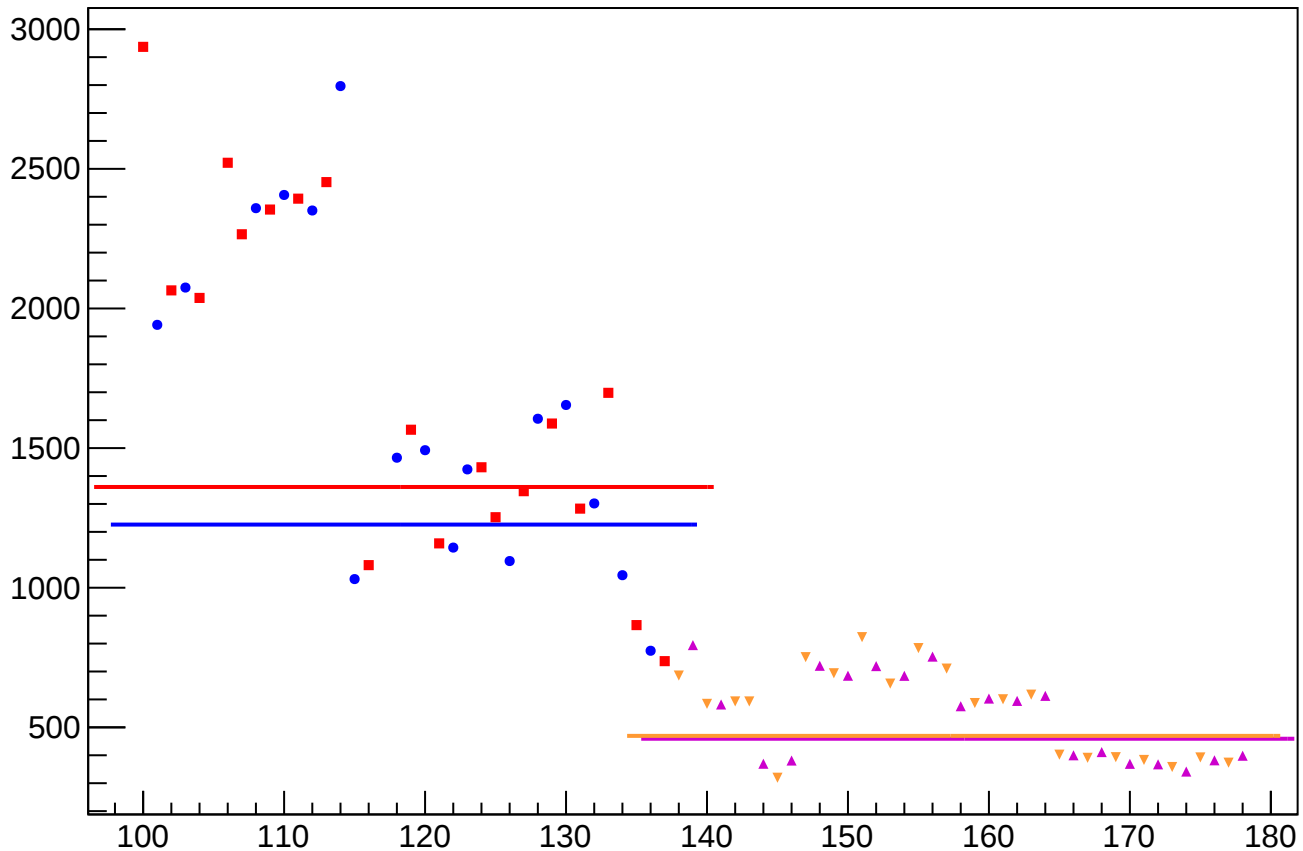
Left In: -51.275 ± 121.793 χ^2/NDF : 31.3/19

+ sign -450.461 ± 120.306 χ^2/NDF : 64.9/37

All: -257.914 ± 84.555 χ^2/NDF : 115.1/76

- sign -69.950 ± 118.865 χ^2/NDF : 45.2/38

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 469.494+/-0.088 χ^2/NDF : 2636685.9/20

+ sign 511.214+/-0.085 χ^2/NDF : 8514559.8/37

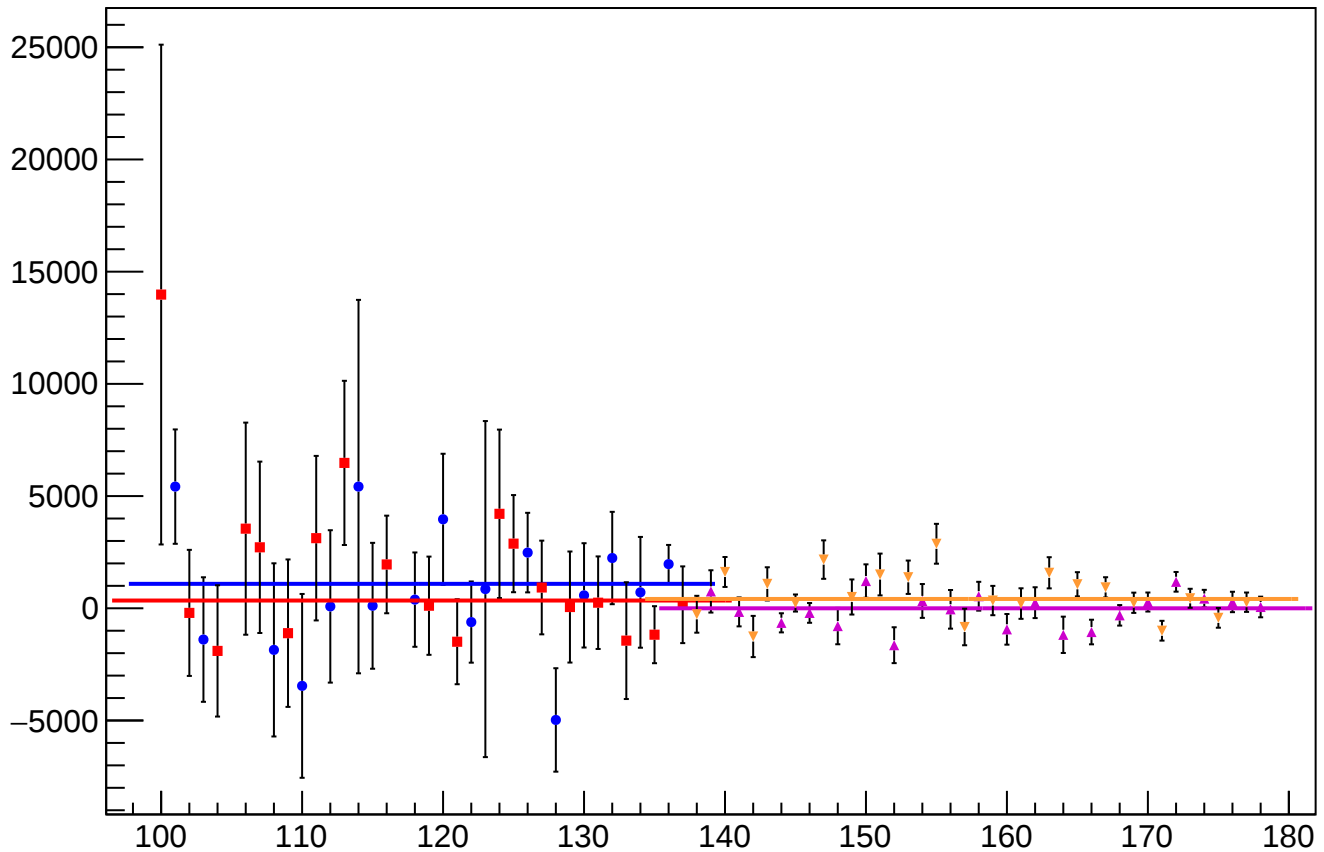
Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

All: 506.569+/-0.060 χ^2/NDF : 17822276.3/76

Left In: 459.207+/-0.086 χ^2/NDF : 2346764.6/19

- sign 502.034+/-0.084 χ^2/NDF : 9301823.4/38

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 415.495 $\pm$ 125.550 χ^2 /NDF: 45.5/20

Right Out: 345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

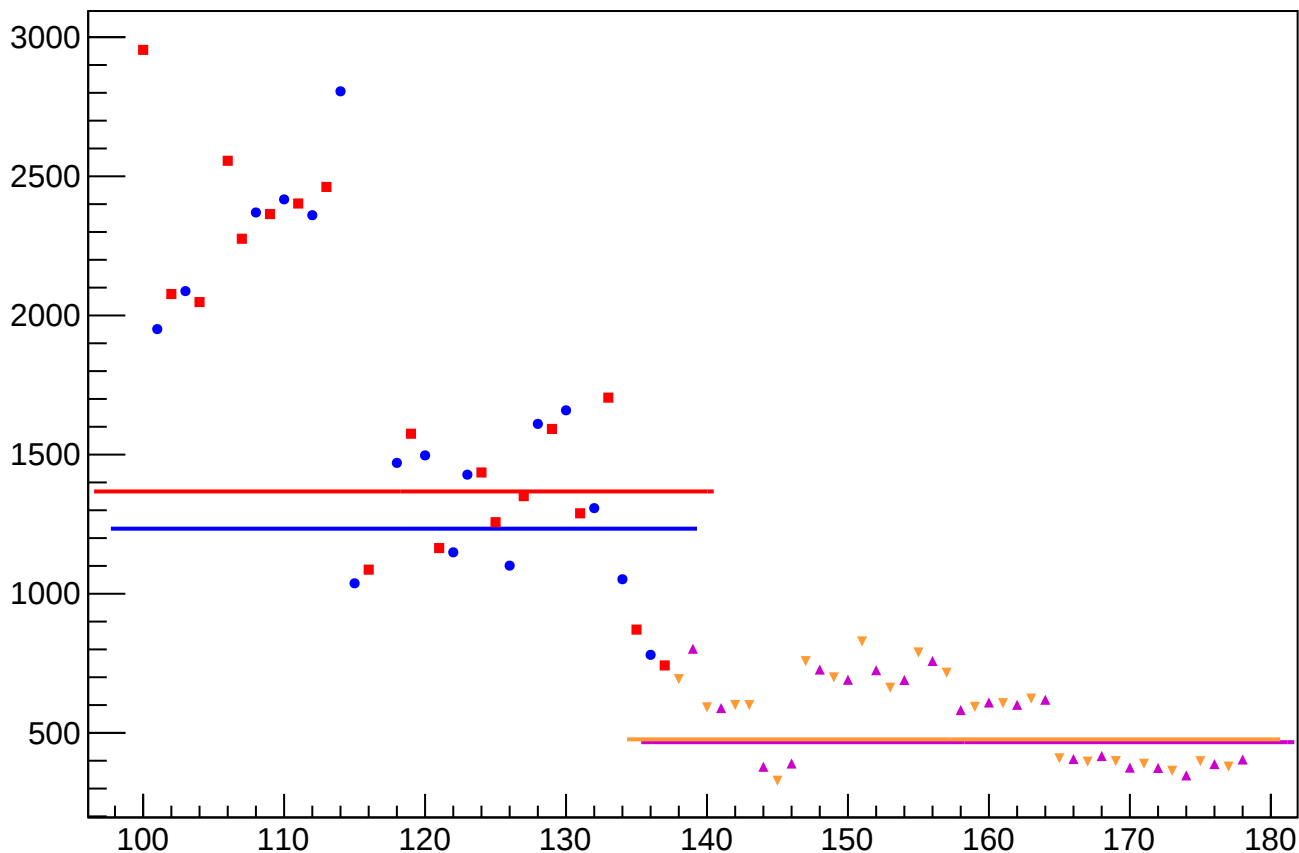
Left In: -1.183 $\pm$ 123.627 χ^2 /NDF: 29.6/19

+ sign 453.243 $\pm$ 121.981 χ^2 /NDF: 64.1/37

All: 231.927 $\pm$ 85.761 χ^2 /NDF: 113.1/76

- sign 15.602 $\pm$ 120.598 χ^2 /NDF: 42.5/38

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 476.842+/-0.089 χ^2/NDF : 2571035.4/20

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

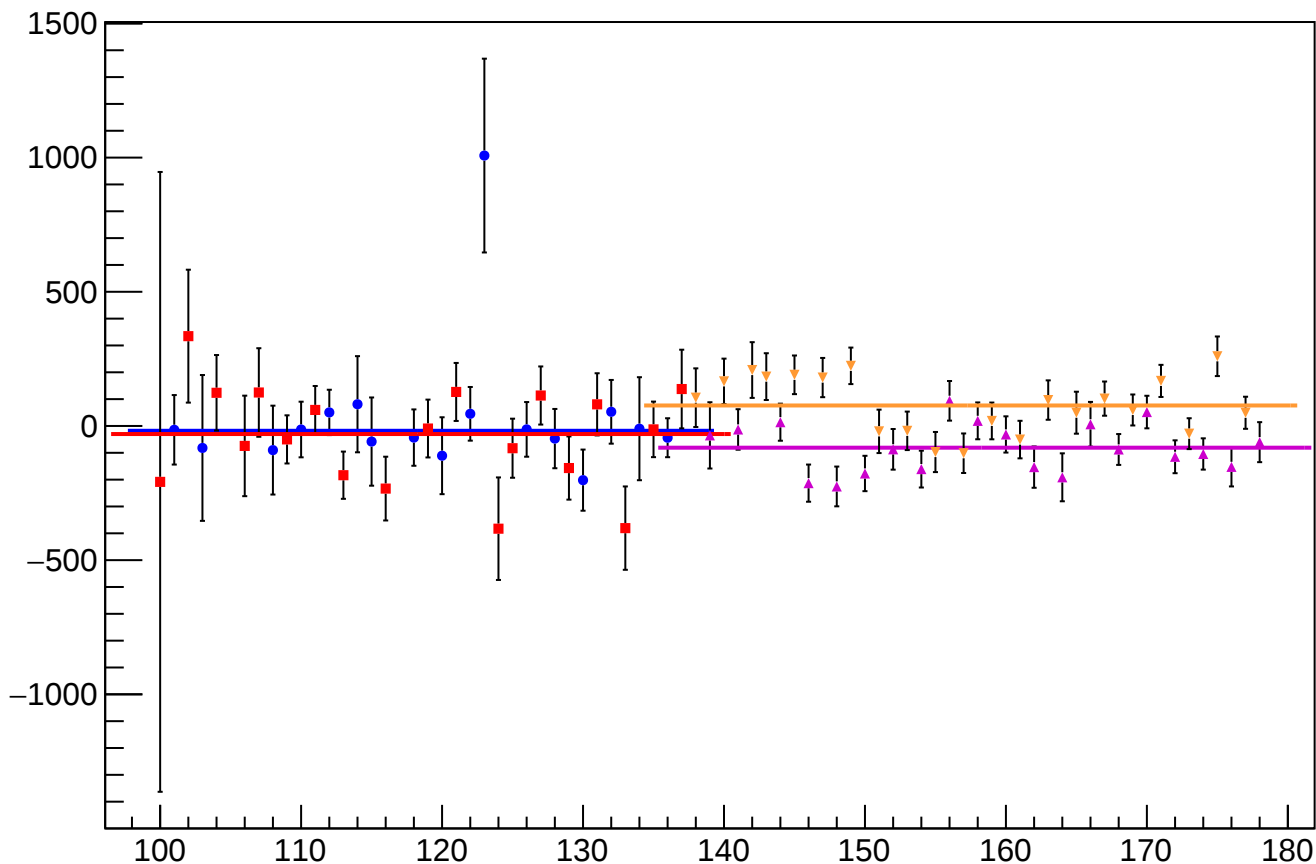
Left In: 466.636+/-0.087 χ^2/NDF : 2290154.1/19

+ sign 519.267+/-0.086 χ^2/NDF : 8390058.1/37

All: 514.702+/-0.061 χ^2/NDF : 17571323.8/76

- sign 510.240+/-0.085 χ^2/NDF : 9175726.6/38

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 76.372 ± 15.594 $\chi^2/\text{NDF}: 44.5/20$

Right Out: -30.070 ± 27.976 $\chi^2/\text{NDF}: 27.4/18$

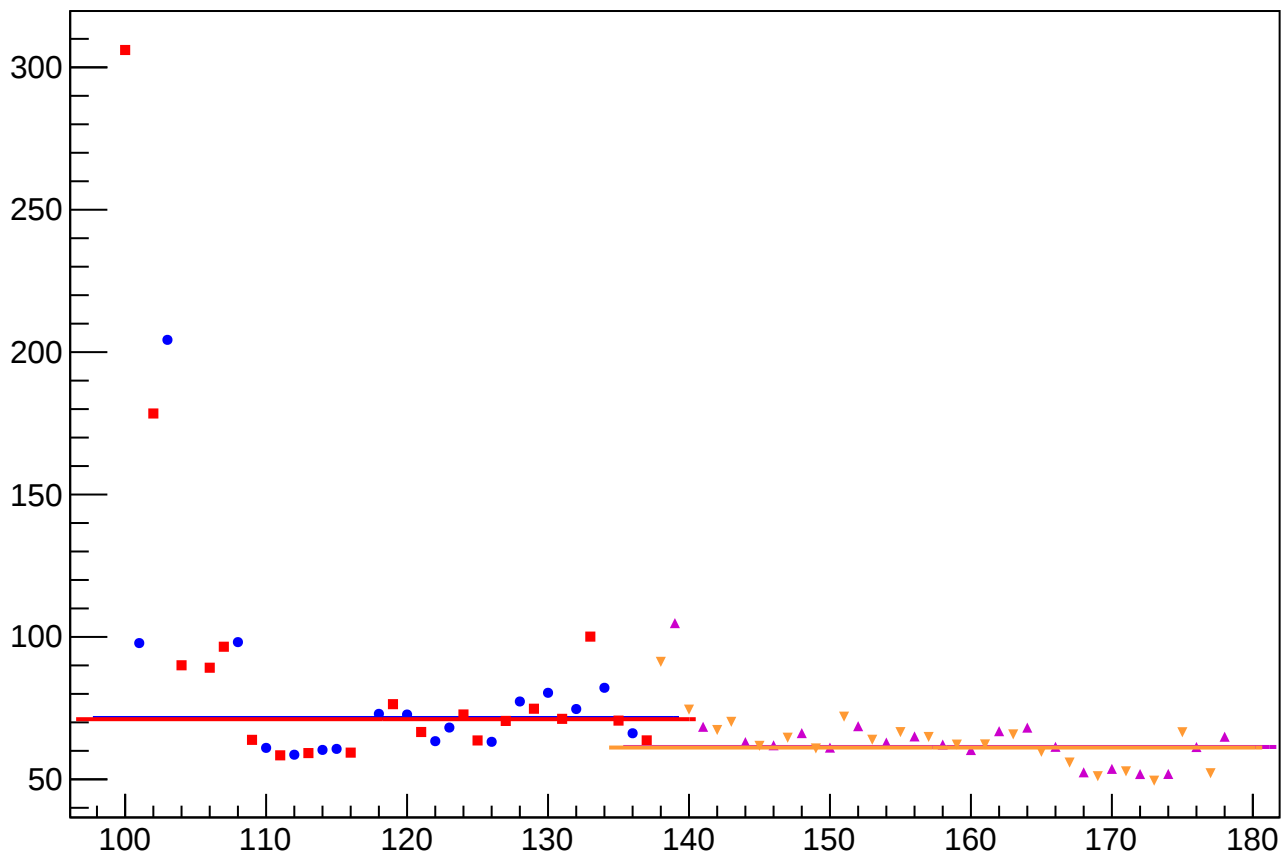
Left In: -80.956 ± 15.783 $\chi^2/\text{NDF}: 31.8/19$

+ sign 55.038 ± 13.718 $\chi^2/\text{NDF}: 66.1/37$

All: -6.687 ± 9.710 $\chi^2/\text{NDF}: 168.4/76$

- sign -68.670 ± 13.747 $\chi^2/\text{NDF}: 61.7/38$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 61.162 $\pm$ 0.011 χ^2 /NDF: 549626.5/20

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

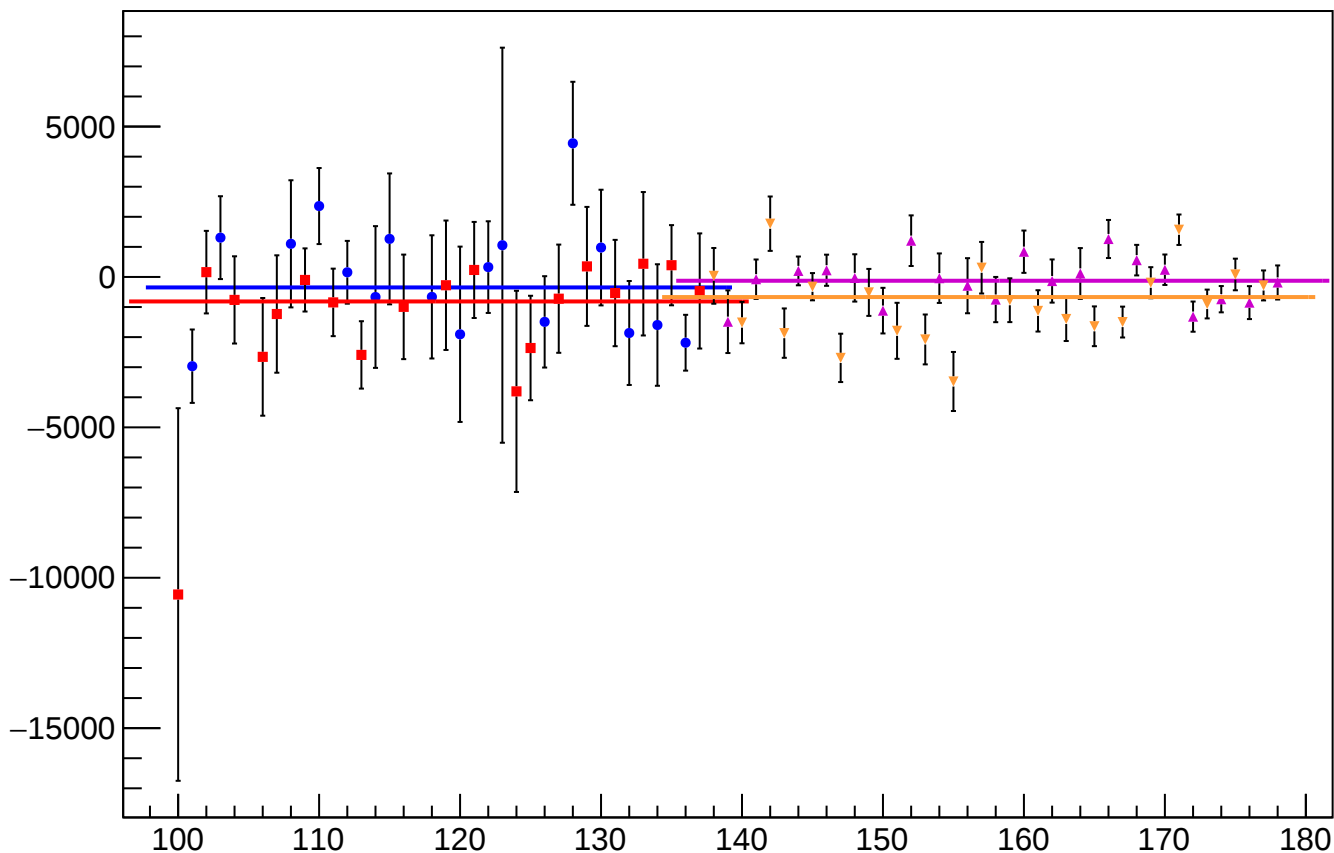
Left In: 61.360 $\pm$ 0.011 χ^2 /NDF: 508724.2/19

+ sign 63.508 $\pm$ 0.010 χ^2 /NDF: 1508726.1/37

All: 63.611 $\pm$ 0.007 χ^2 /NDF: 2967303.9/76

- sign 63.715 $\pm$ 0.010 χ^2 /NDF: 1458350.6/38

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 $\pm$ 381.994 χ^2/NDF : 24.1/16

Left Out: -668.294 $\pm$ 140.500 χ^2/NDF : 61.8/20

Right Out: -814.154 $\pm$ 369.807 χ^2/NDF : 10.5/18

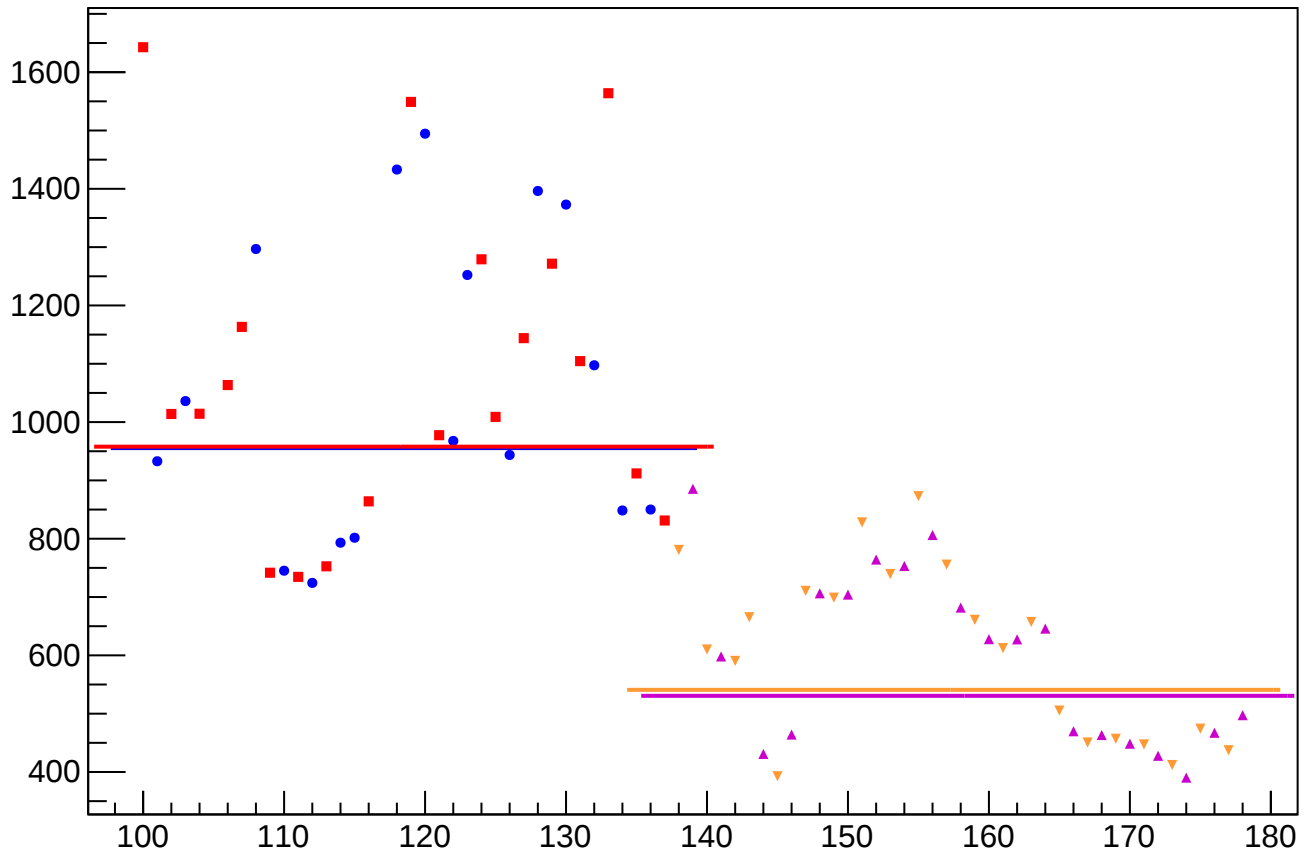
Left In: -126.148 $\pm$ 138.869 χ^2/NDF : 26.1/19

+ sign -630.120 $\pm$ 131.864 χ^2/NDF : 86.5/37

All: -417.674 $\pm$ 92.578 χ^2/NDF : 131.2/76

- sign -211.176 $\pm$ 130.005 χ^2/NDF : 39.6/38

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 540.862 $\pm$ 0.099 χ^2 /NDF:1829021.8/20

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

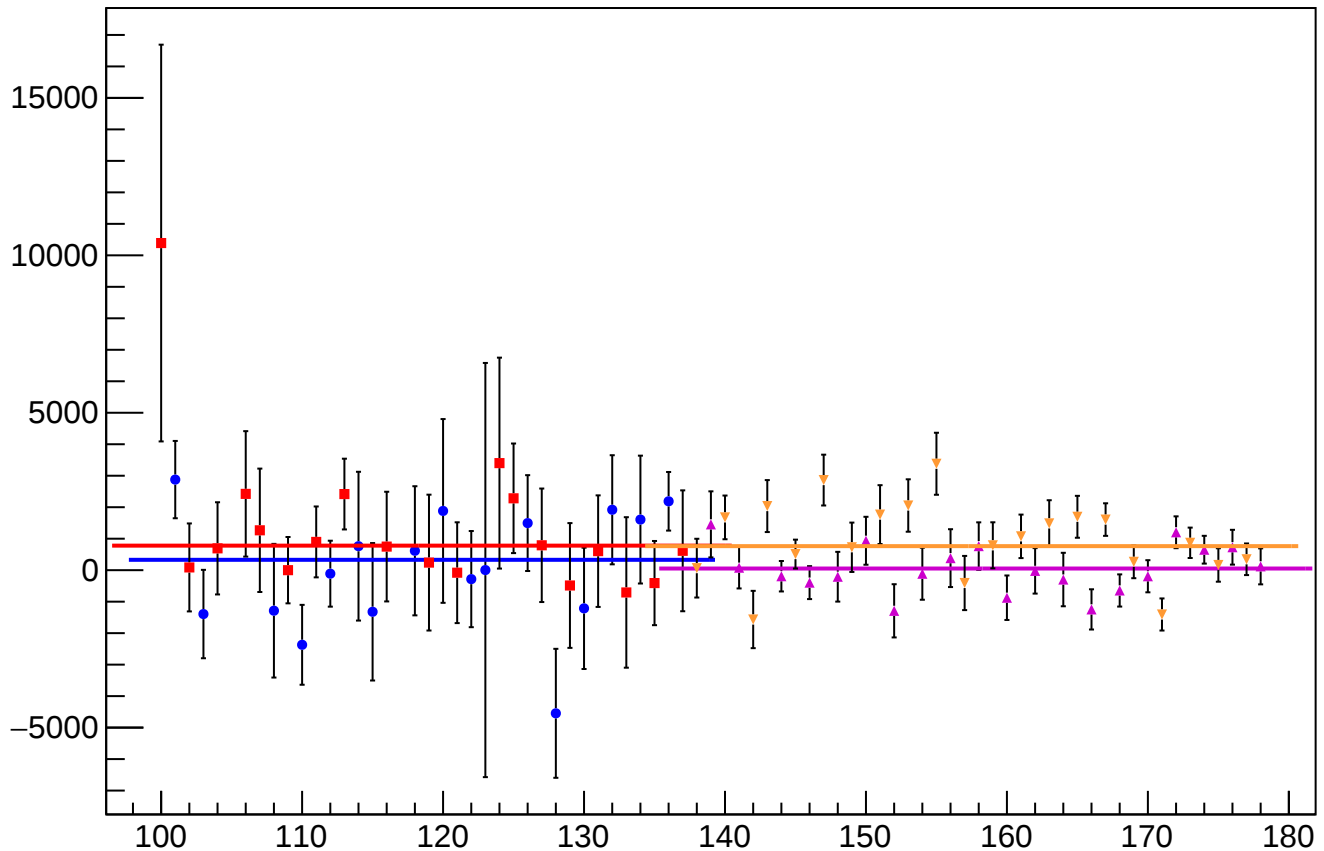
Left In: 530.601 $\pm$ 0.098 χ^2 /NDF:1682249.2/19

+ sign 590.263 $\pm$ 0.093 χ^2 /NDF: 4550423.9/37

All: 586.784 $\pm$ 0.065 χ^2 /NDF: 9268134.4/76

- sign 583.403 $\pm$ 0.092 χ^2 /NDF: 4714965.9/38

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 763.559 ± 141.499 χ^2/NDF : 57.6/20

Right Out: 779.623 ± 371.673 χ^2/NDF : 9.3/18

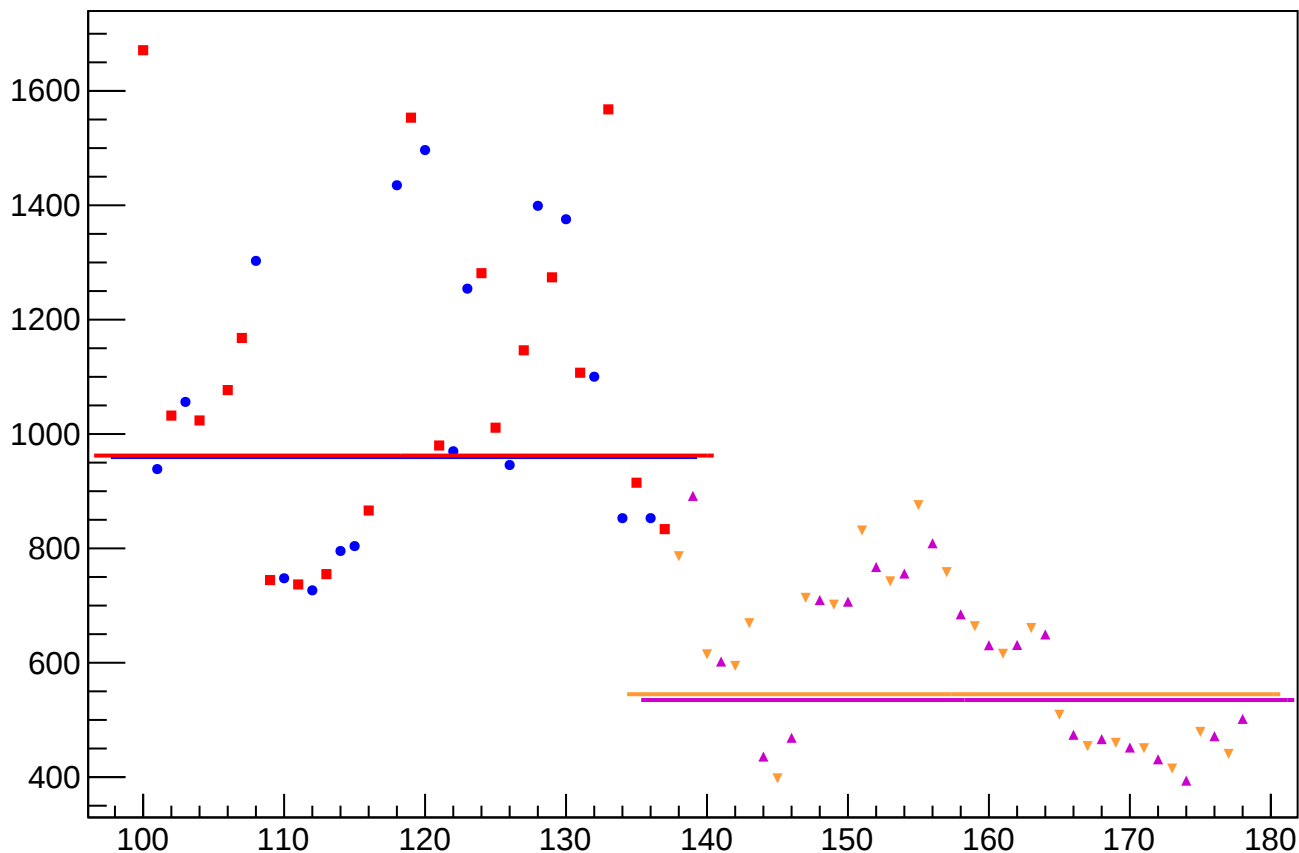
Left In: 52.440 ± 139.908 χ^2/NDF : 24.5/19

+ sign 711.562 ± 132.761 χ^2/NDF : 83.0/37

All: 423.195 ± 93.225 χ^2/NDF : 129.5/76

- sign 142.691 ± 130.938 χ^2/NDF : 37.1/38

asym_sam_37_avg_rms vs Slug



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 544.951 $\pm$ 0.100 χ^2 /NDF:1801663.6/20

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

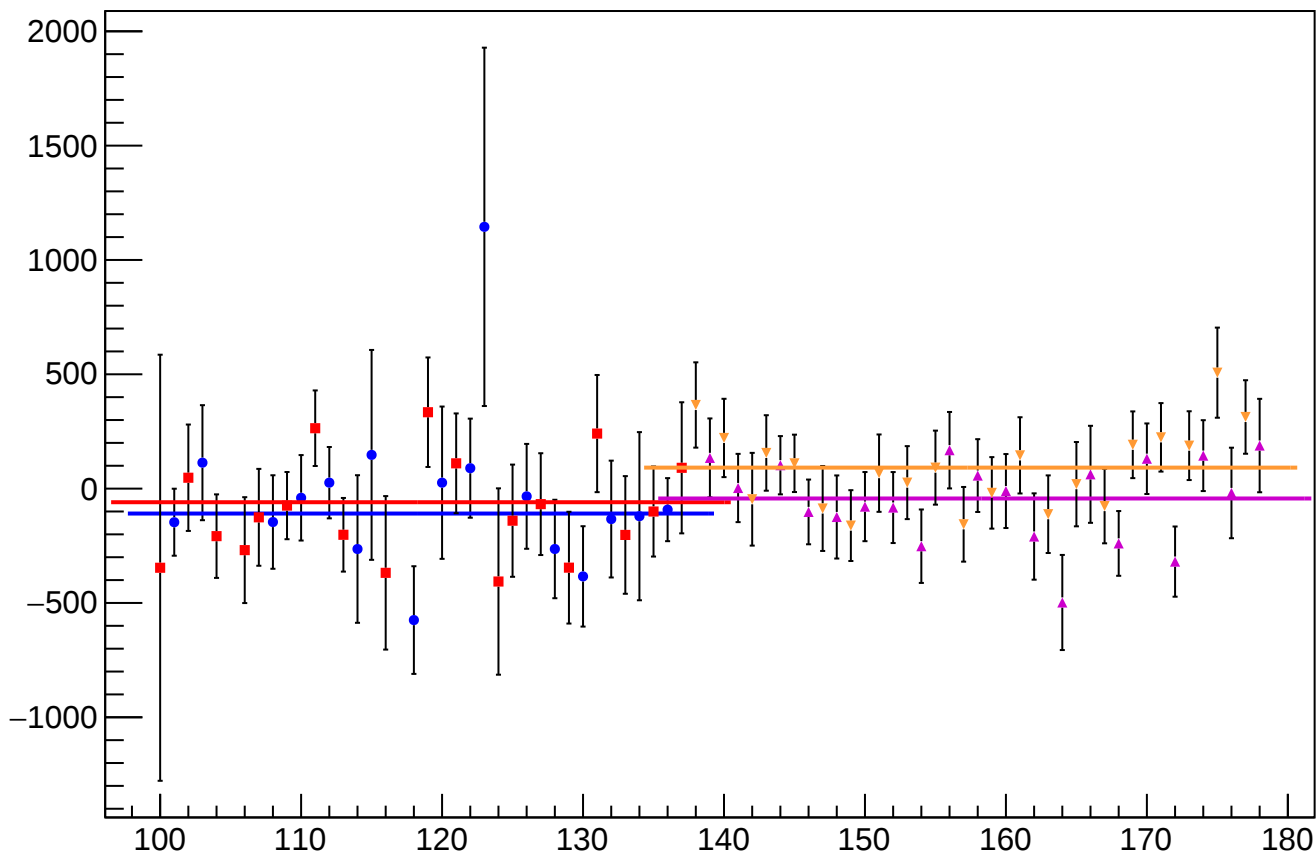
Left In: 534.812 $\pm$ 0.099 χ^2 /NDF:1656803.1/19

+ sign 594.605 $\pm$ 0.094 χ^2 /NDF: 4505853.2/37

All: 591.190 $\pm$ 0.066 χ^2 /NDF: 9178600.4/76

- sign 587.869 $\pm$ 0.093 χ^2 /NDF: 4670137.8/38

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 $\pm$ 52.923 χ^2/NDF : 12.0/16

Left Out: 91.829 $\pm$ 35.650 χ^2/NDF : 20.7/20

Right Out: -59.475 $\pm$ 50.822 χ^2/NDF : 14.9/18

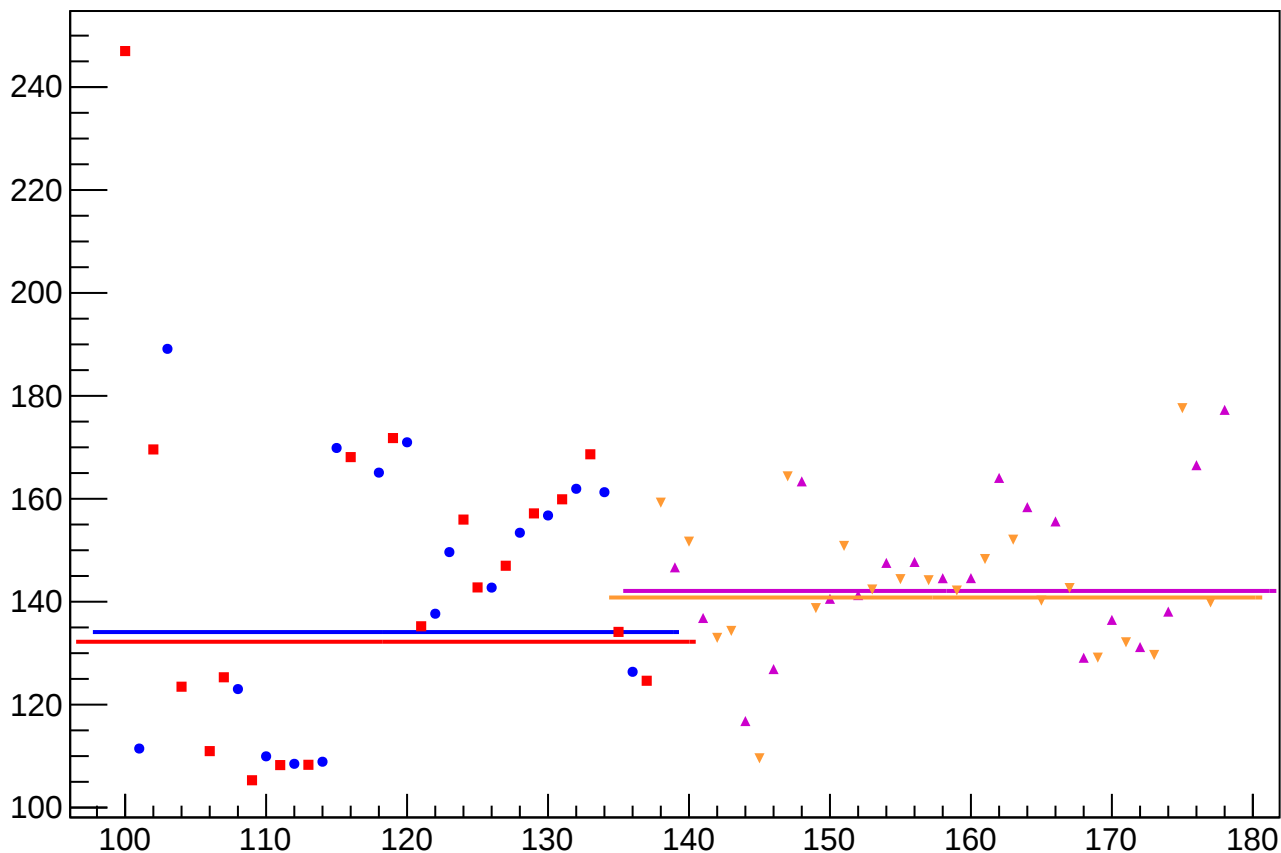
Left In: -43.157 $\pm$ 36.357 χ^2/NDF : 21.7/19

+ sign 29.150 $\pm$ 29.567 χ^2/NDF : 42.6/37

All: -9.763 $\pm$ 20.908 χ^2/NDF : 82.7/76

- sign -48.681 $\pm$ 29.569 χ^2/NDF : 36.6/38

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 140.818 $\pm$ 0.025 χ^2 /NDF:312748.1/20

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

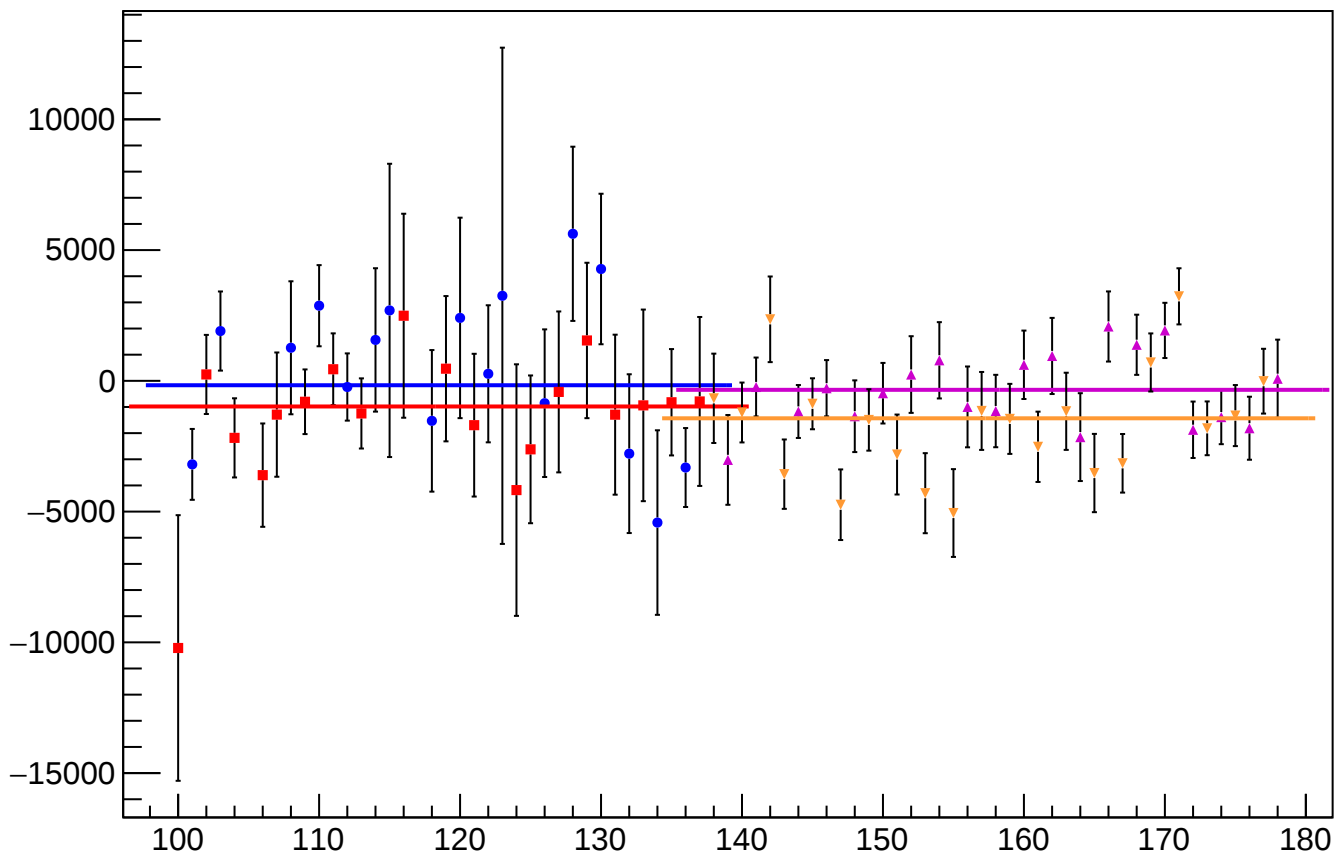
Left In: 142.094 $\pm$ 0.026 χ^2 /NDF:307121.9/19

+ sign 138.722 $\pm$ 0.021 χ^2 /NDF: 737474.2/37

All: 138.736 $\pm$ 0.015 χ^2 /NDF: 1536281.3/76

- sign 138.751 $\pm$ 0.021 χ^2 /NDF: 798806.1/38

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 $\chi^2/\text{NDF}: 25.3/16$

Left Out: -1432.356 ± 278.876 $\chi^2/\text{NDF}: 52.6/20$

Right Out: -980.517 ± 480.968 $\chi^2/\text{NDF}: 10.2/18$

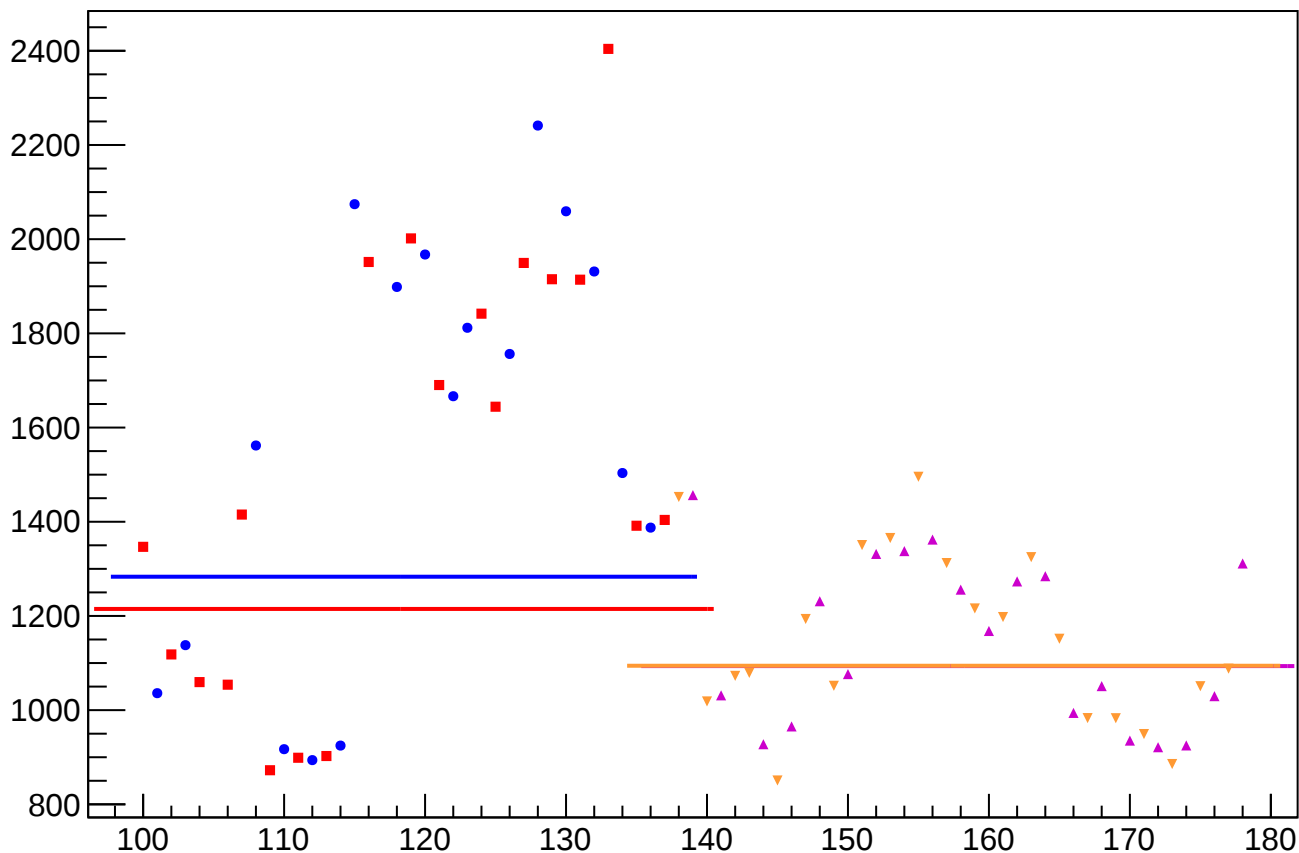
Left In: -343.582 ± 280.951 $\chi^2/\text{NDF}: 22.2/19$

+ sign -1153.061 ± 246.148 $\chi^2/\text{NDF}: 82.4/37$

All: -824.635 ± 172.783 $\chi^2/\text{NDF}: 119.6/76$

- sign -505.623 ± 242.595 $\chi^2/\text{NDF}: 33.7/38$

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1094.253+/-0.197 χ^2/NDF : 753500.6/20

Right Out: 1214.883+/-0.340 χ^2/NDF : 1360860.3/18

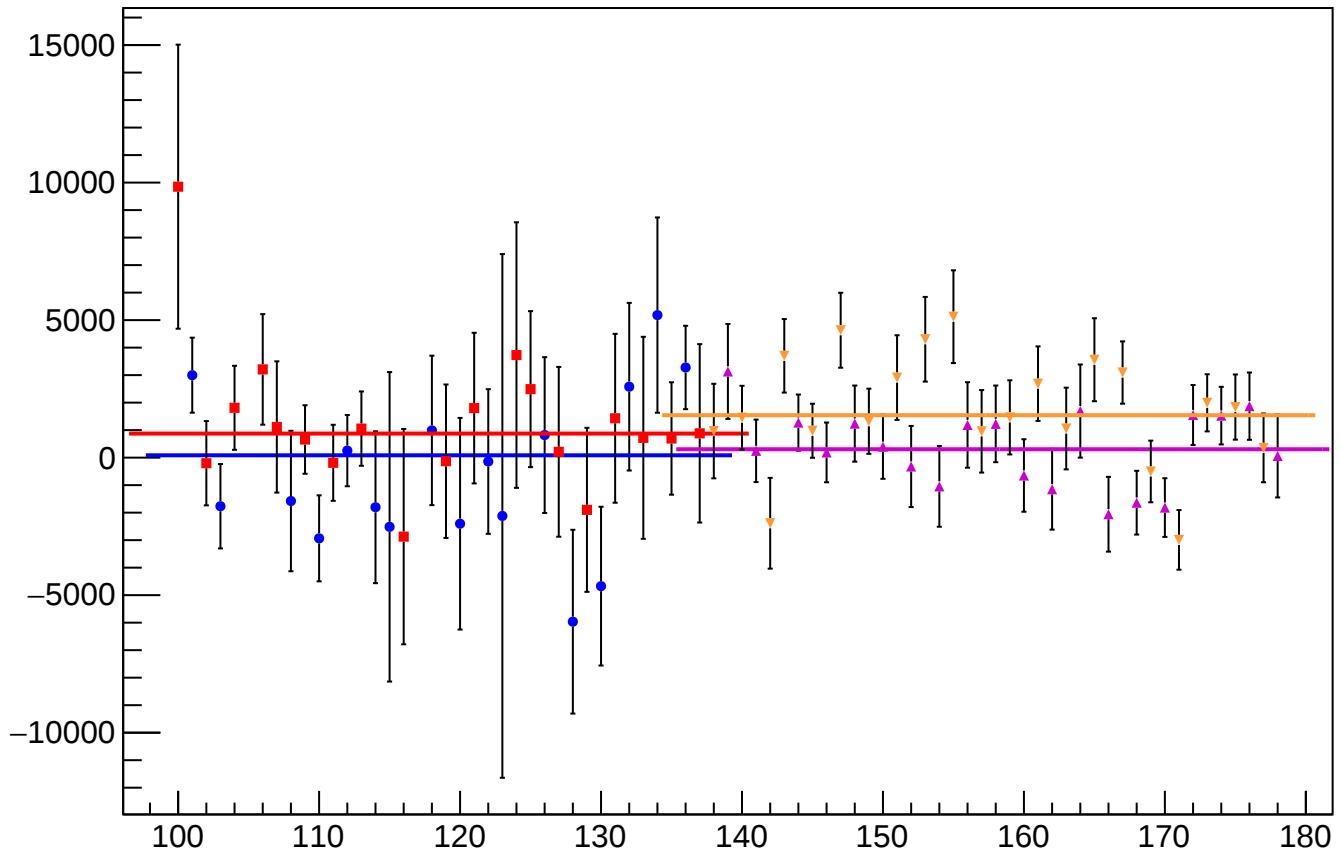
Left In: 1093.529+/-0.199 χ^2/NDF : 668465.9/19

+ sign 1136.025+/-0.174 χ^2/NDF : 2126029.6/37

All: 1130.129+/-0.122 χ^2/NDF : 4252549.1/70

- sign 1124.402+/-0.172 χ^2/NDF : 2124257.5/38

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 1542.852 ± 281.363 χ^2/NDF : 49.0/20

Right Out: 874.592 ± 484.647 χ^2/NDF : 8.7/18

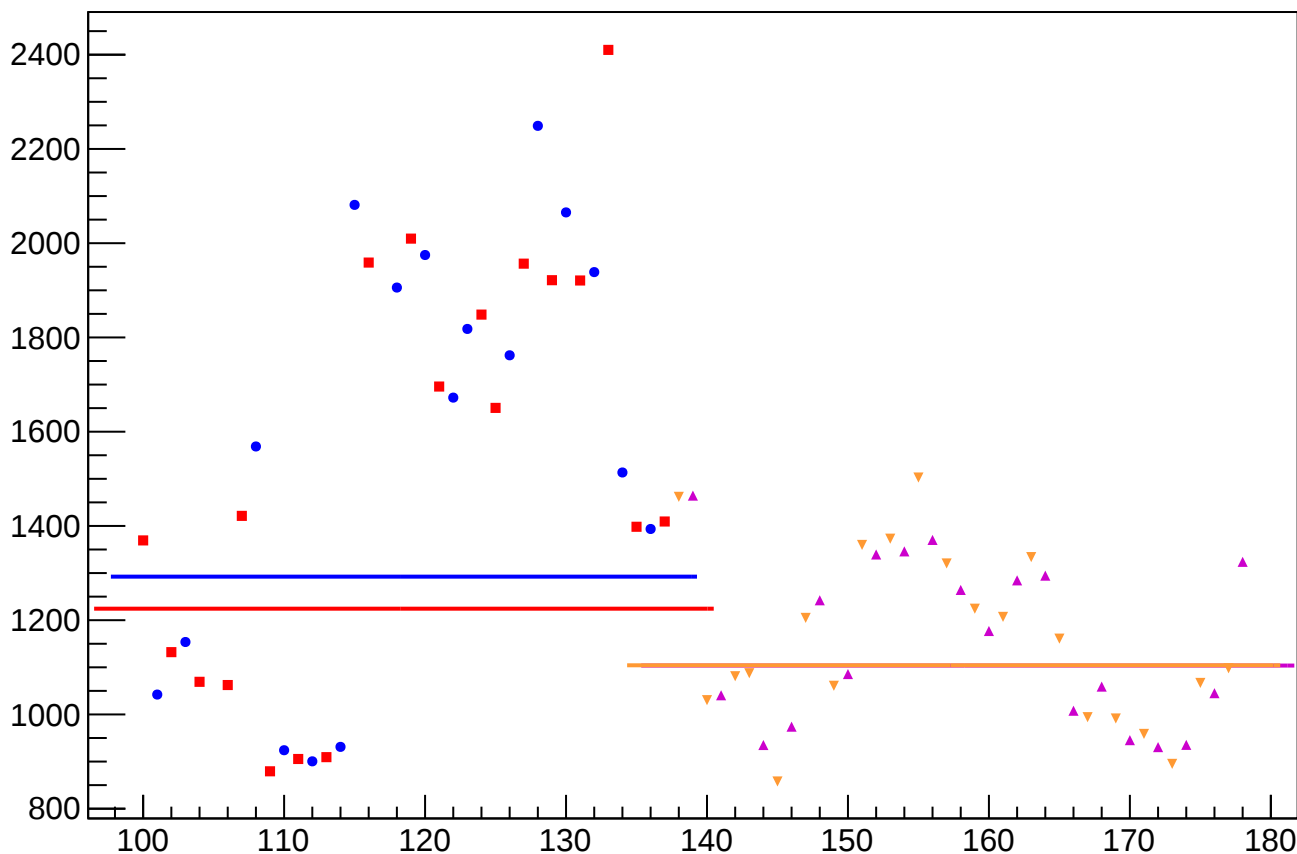
Left In: 304.785 ± 283.508 χ^2/NDF : 22.1/19

+ sign 1219.572 ± 248.212 χ^2/NDF : 79.7/37

All: 829.354 ± 174.262 χ^2/NDF : 116.4/76

- sign 450.060 ± 244.713 χ^2/NDF : 31.8/38

asym_sam_48_avg_rms vs Slug



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1104.300 $\pm$ 0.199 χ^2 /NDF: 740373.5/20

Right Out: 1224.429 $\pm$ 0.343 χ^2 /NDF: 1345748.2/18

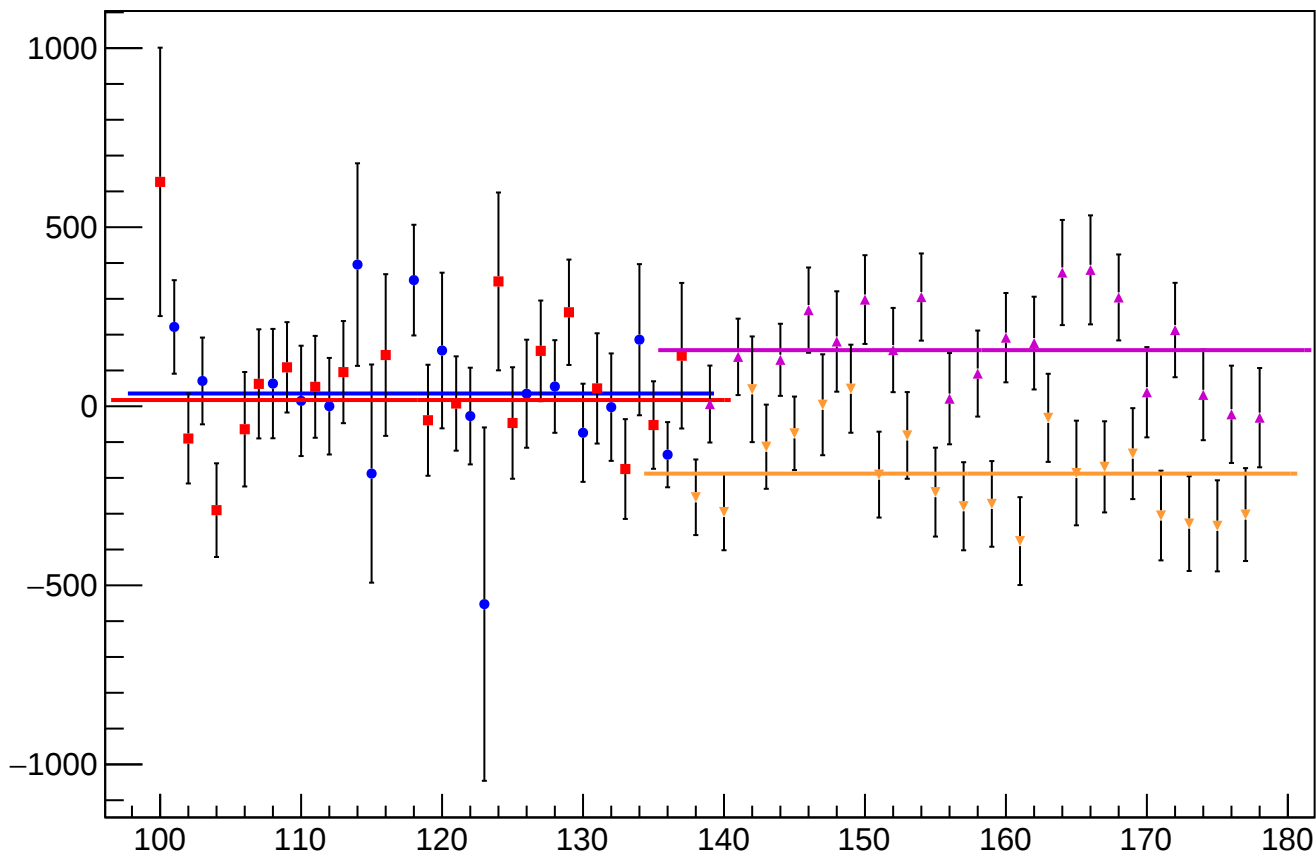
Left In: 1103.731 $\pm$ 0.200 χ^2 /NDF: 656167.1/19

+ sign 1146.019 $\pm$ 0.176 χ^2 /NDF: 2095230.8/37

All: 1140.180 $\pm$ 0.123 χ^2 /NDF: 4191749.2/70

- sign 1134.503 $\pm$ 0.173 χ^2 /NDF: 2094335.4/38

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -188.070+/-26.809 χ^2/NDF : 21.4/20

Right Out: 17.418+/-34.691 χ^2/NDF : 18.9/18

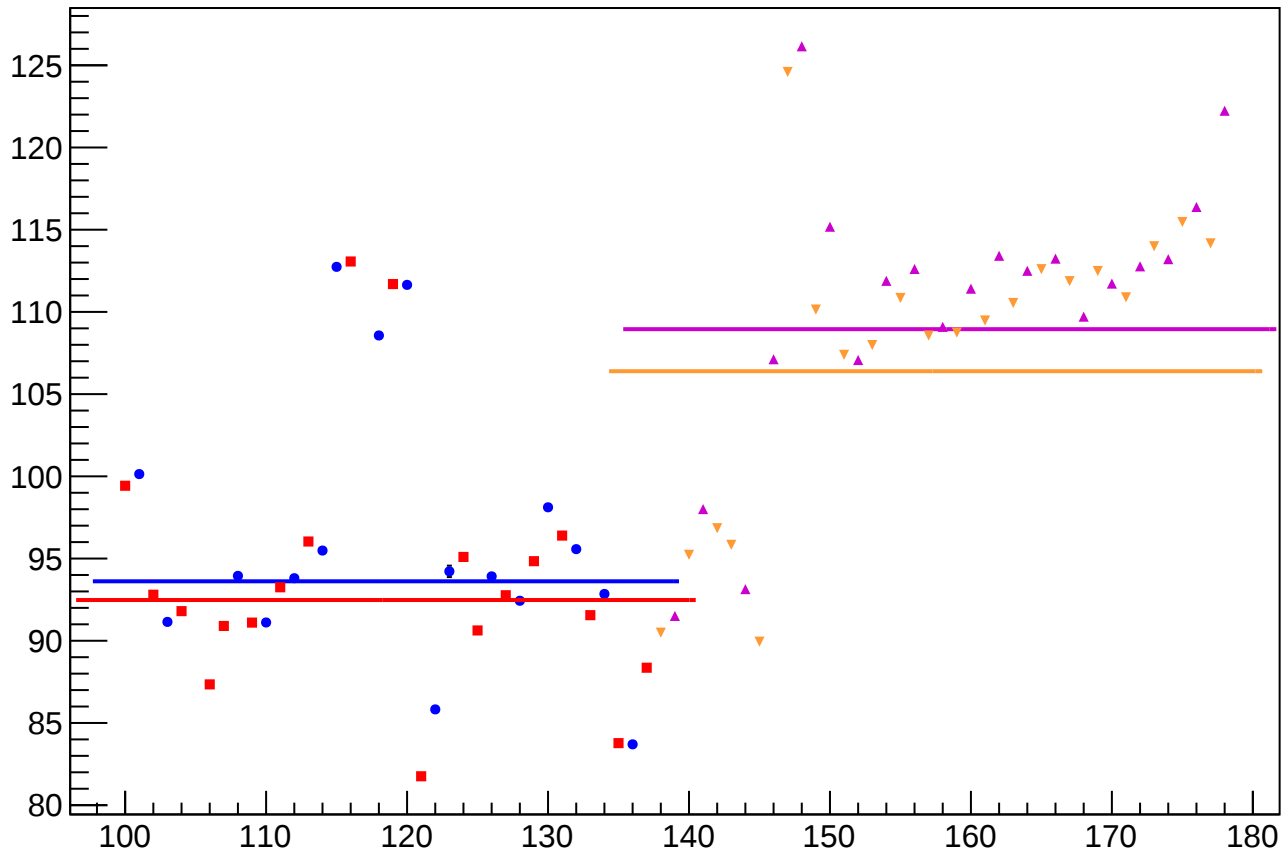
Left In: 156.716+/-27.708 χ^2/NDF : 18.8/19

+ sign -109.244+/-21.576 χ^2/NDF : 61.2/37

All: -3.754+/-15.282 χ^2/NDF : 156.7/76

- sign 102.464+/-21.650 χ^2/NDF : 47.5/38

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 106.394+/-0.019 χ^2/NDF : 224832.3/20

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

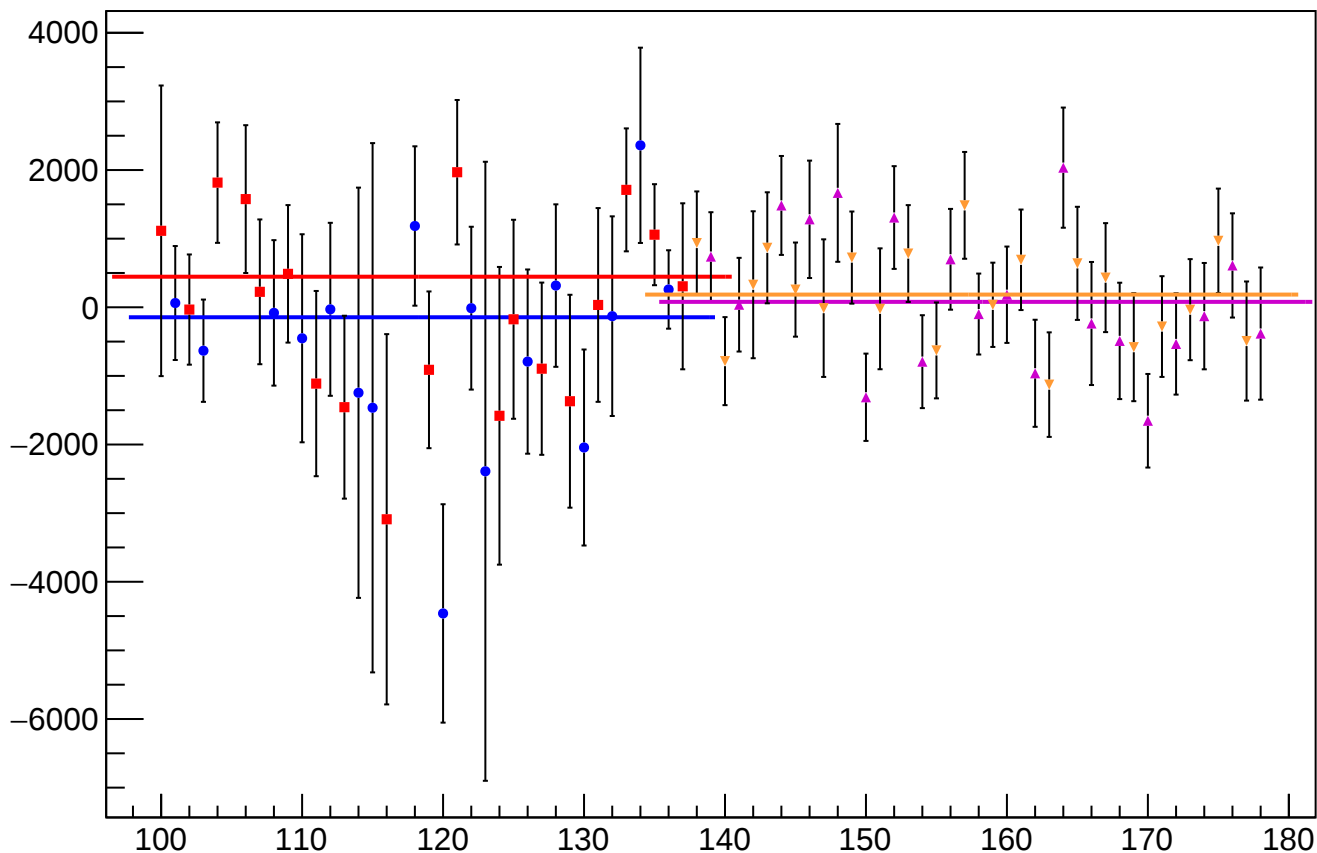
Left In: 108.951+/-0.020 χ^2/NDF : 197325.8/19

+ sign 101.892+/-0.015 χ^2/NDF : 464823.8/37

All: 102.212+/-0.011 χ^2/NDF : 1016976.9/76

- sign 102.535+/-0.015 χ^2/NDF : 551268.5/38

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464±/276.629 χ^2/NDF : 15.5/16

Left Out: 185.101±/165.300 χ^2/NDF : 16.6/20

Right Out: 445.575±/260.276 χ^2/NDF : 19.0/18

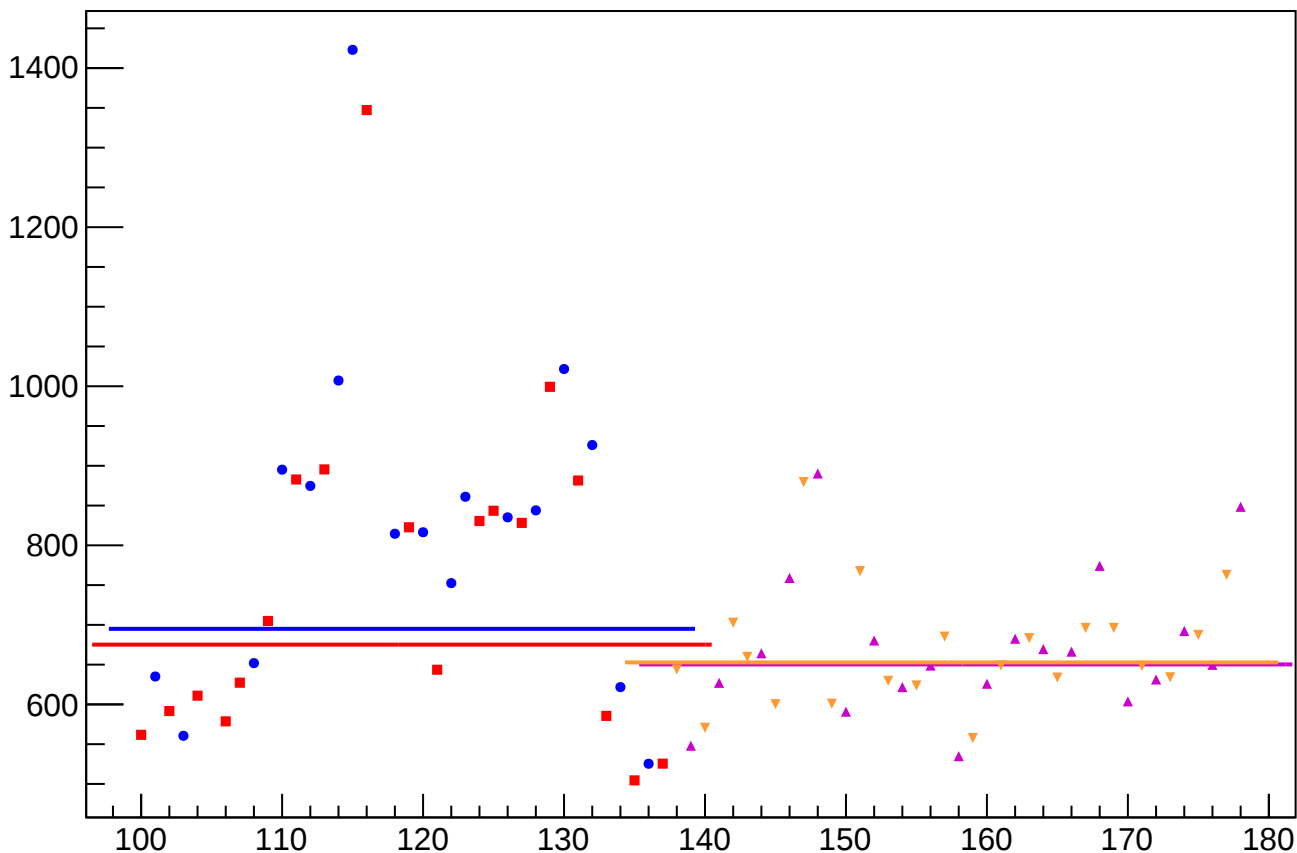
Left In: 78.932±/166.539 χ^2/NDF : 34.6/19

+ sign 98.124±/141.897 χ^2/NDF : 33.2/37

All: 142.281±/99.760 χ^2/NDF : 88.3/76

- sign 185.437±/140.280 χ^2/NDF : 54.9/38

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 652.806 $\pm$ 0.117 χ^2 /NDF:308551.1/20

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

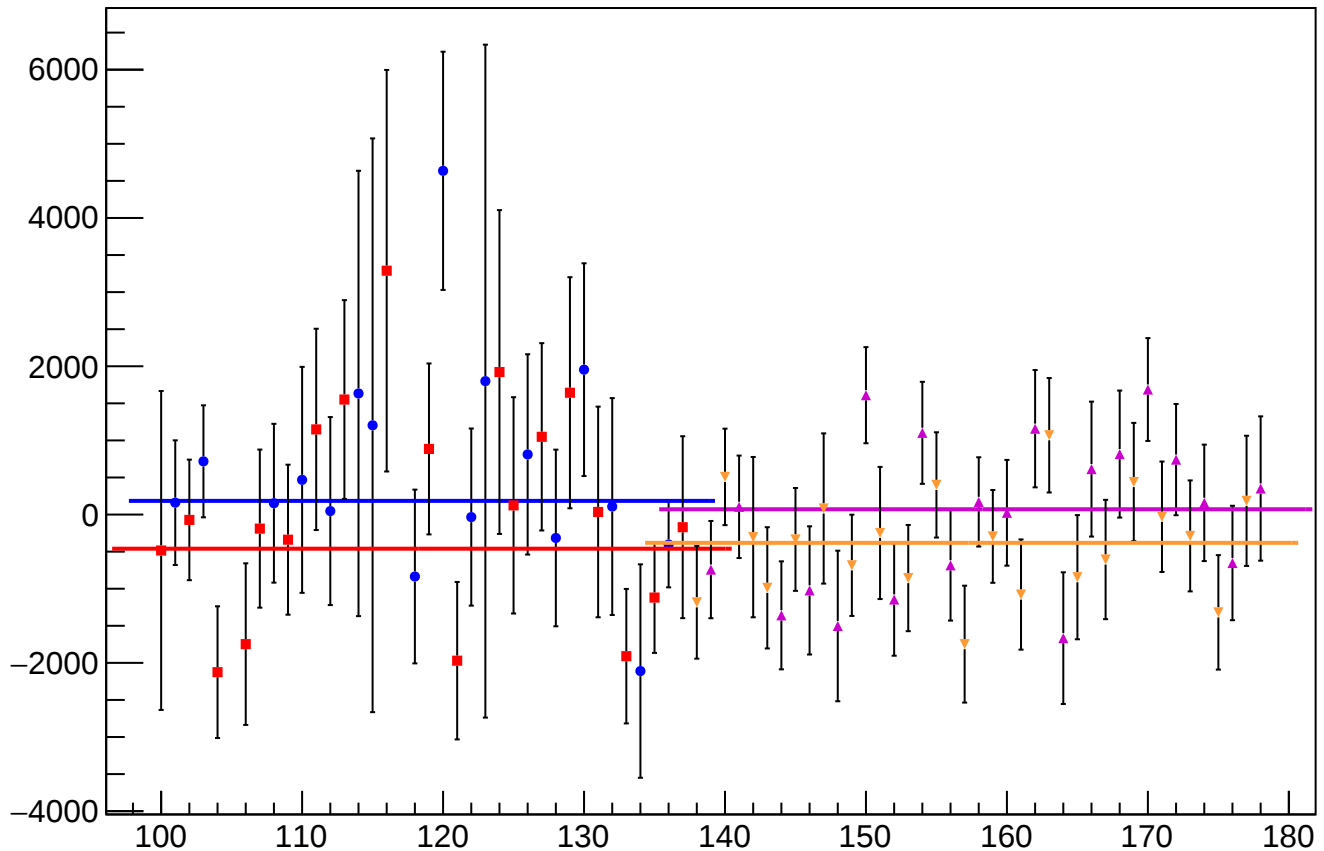
Left In: 650.259 $\pm$ 0.118 χ^2 /NDF:451499.6/19

+ sign 663.912 $\pm$ 0.100 χ^2 /NDF: 1020573.6/37

All: 660.664 $\pm$ 0.071 χ^2 /NDF: 2163517.3/76

- sign 657.490 $\pm$ 0.099 χ^2 /NDF: 1140872.1/38

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -381.287 ± 167.592 χ^2/NDF : 16.6/20

Right Out: -460.174 ± 262.960 χ^2/NDF : 22.3/18

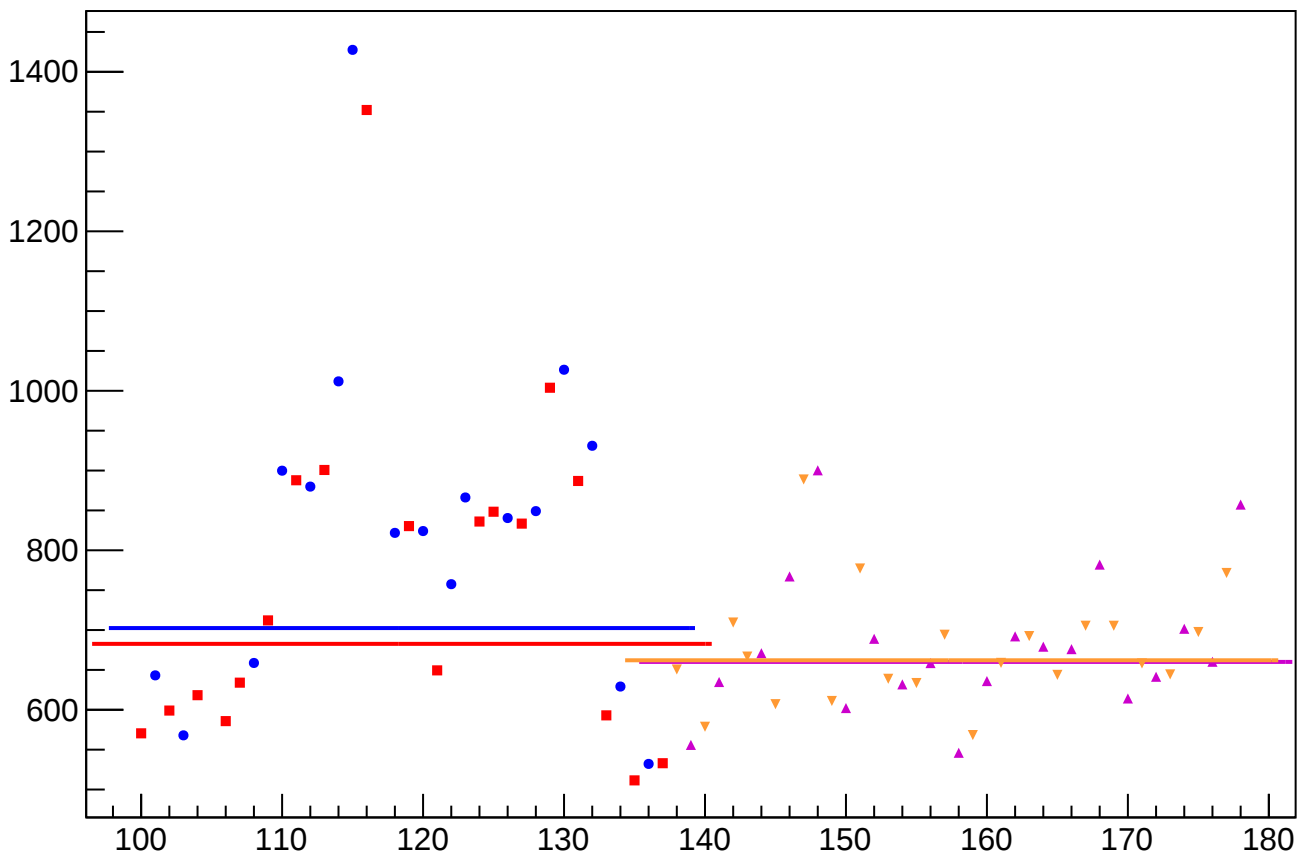
Left In: 71.481 ± 168.978 χ^2/NDF : 34.9/19

+ sign -231.570 ± 143.719 χ^2/NDF : 34.6/37

All: -156.927 ± 101.068 χ^2/NDF : 95.2/76

- sign -83.897 ± 142.157 χ^2/NDF : 60.1/38

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 662.061+/-0.119 χ^2/NDF :300444.4/20

Right Out: 682.662+/-0.186 χ^2/NDF : 659521.7/18

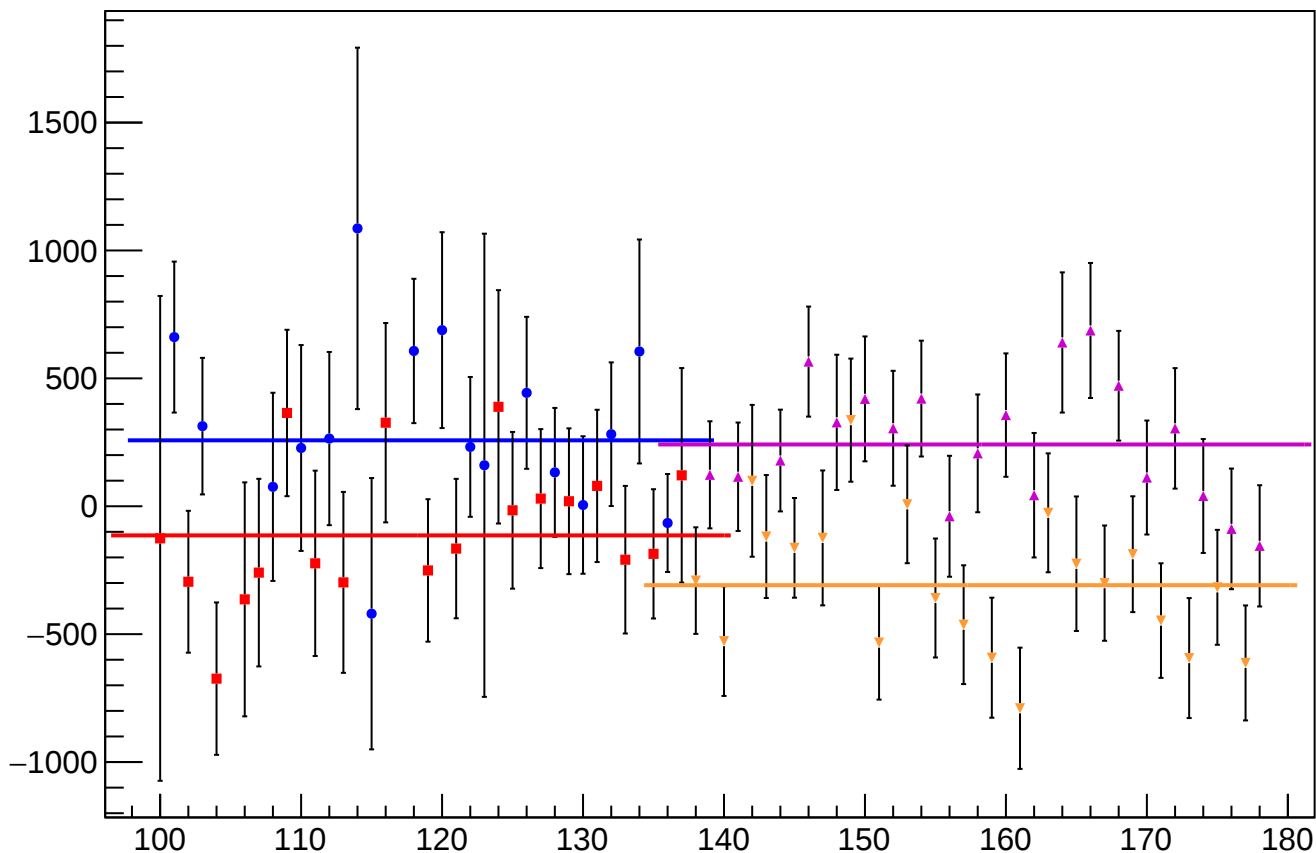
Left In: 660.038+/-0.119 χ^2/NDF :435527.3/19

+ sign 672.753+/-0.102 χ^2/NDF : 991735.8/37

All: 669.668+/-0.071 χ^2/NDF : 2099084.8/76

- sign 666.650+/-0.101 χ^2/NDF : 1105526.1/38

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 χ^2/NDF : 13.0/16

Left Out: -308.548 ± 50.424 χ^2/NDF : 26.3/20

Right Out: -113.851 ± 74.211 χ^2/NDF : 11.2/18

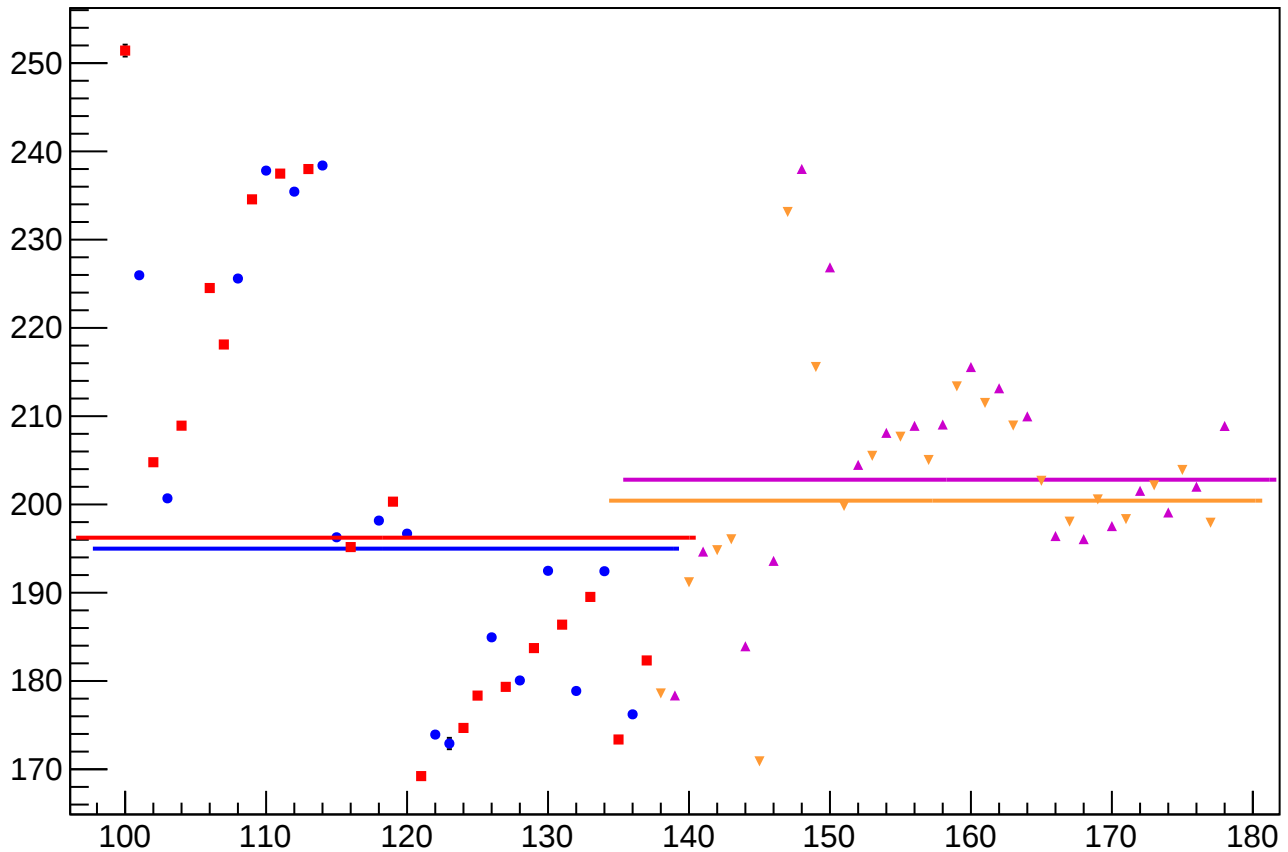
Left In: 241.552 ± 51.520 χ^2/NDF : 18.8/19

+ sign -135.251 ± 42.005 χ^2/NDF : 77.9/37

All: -5.619 ± 29.813 χ^2/NDF : 142.6/76

- sign 125.968 ± 42.321 χ^2/NDF : 45.5/38

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 200.431 $\pm$ 0.036 χ^2 /NDF: 129931.1/20

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

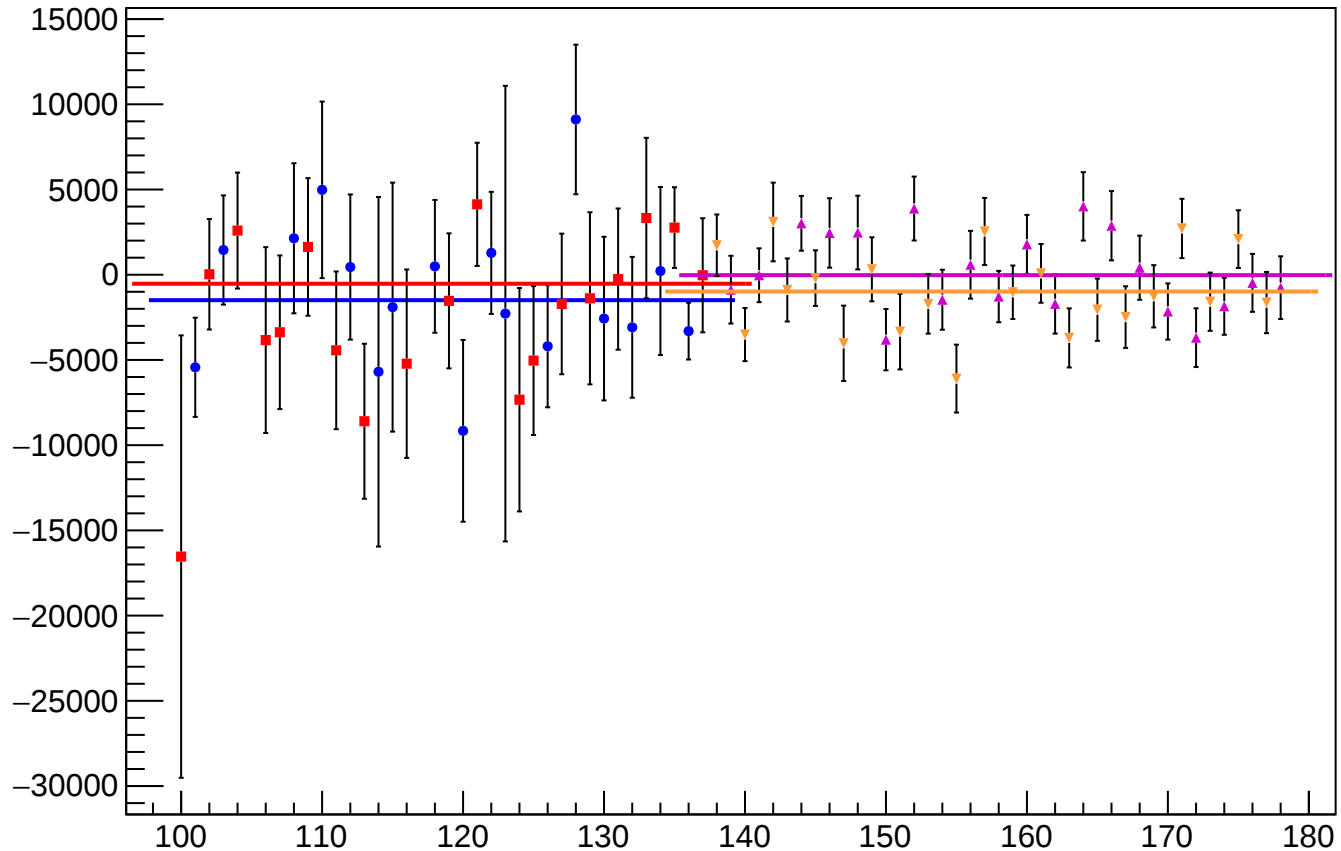
Left In: 202.803 $\pm$ 0.036 χ^2 /NDF: 127571.1/19

+ sign 198.767 $\pm$ 0.030 χ^2 /NDF: 281317.3/37

All: 199.710 $\pm$ 0.021 χ^2 /NDF: 594983.7/76

- sign 200.667 $\pm$ 0.030 χ^2 /NDF: 311635.6/38

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -986.021 ± 394.797 χ^2/NDF : 33.7/20

Right Out: -528.758 ± 934.718 χ^2/NDF : 14.6/18

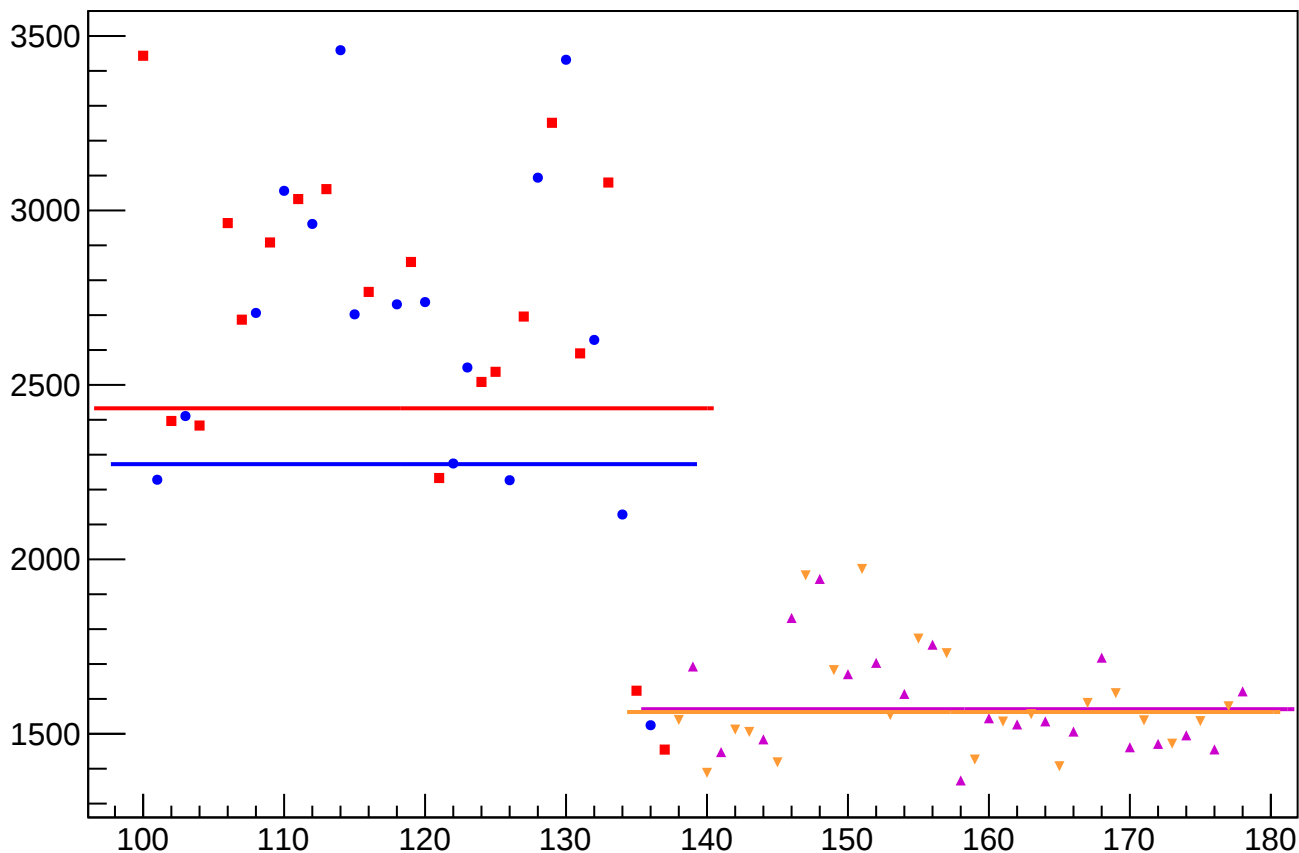
Left In: -24.686 ± 400.210 χ^2/NDF : 32.6/19

+ sign -1066.250 ± 362.234 χ^2/NDF : 50.1/37

All: -591.998 ± 258.120 χ^2/NDF : 101.0/76

- sign -102.777 ± 367.906 χ^2/NDF : 47.5/38

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883 $\pm$ 0.644 χ^2 /NDF: 805650.3/16

Left Out: 1562.465 $\pm$ 0.279 χ^2 /NDF: 259133.1/20

Right Out: 2432.950 $\pm$ 0.661 χ^2 /NDF: 680783.9/18

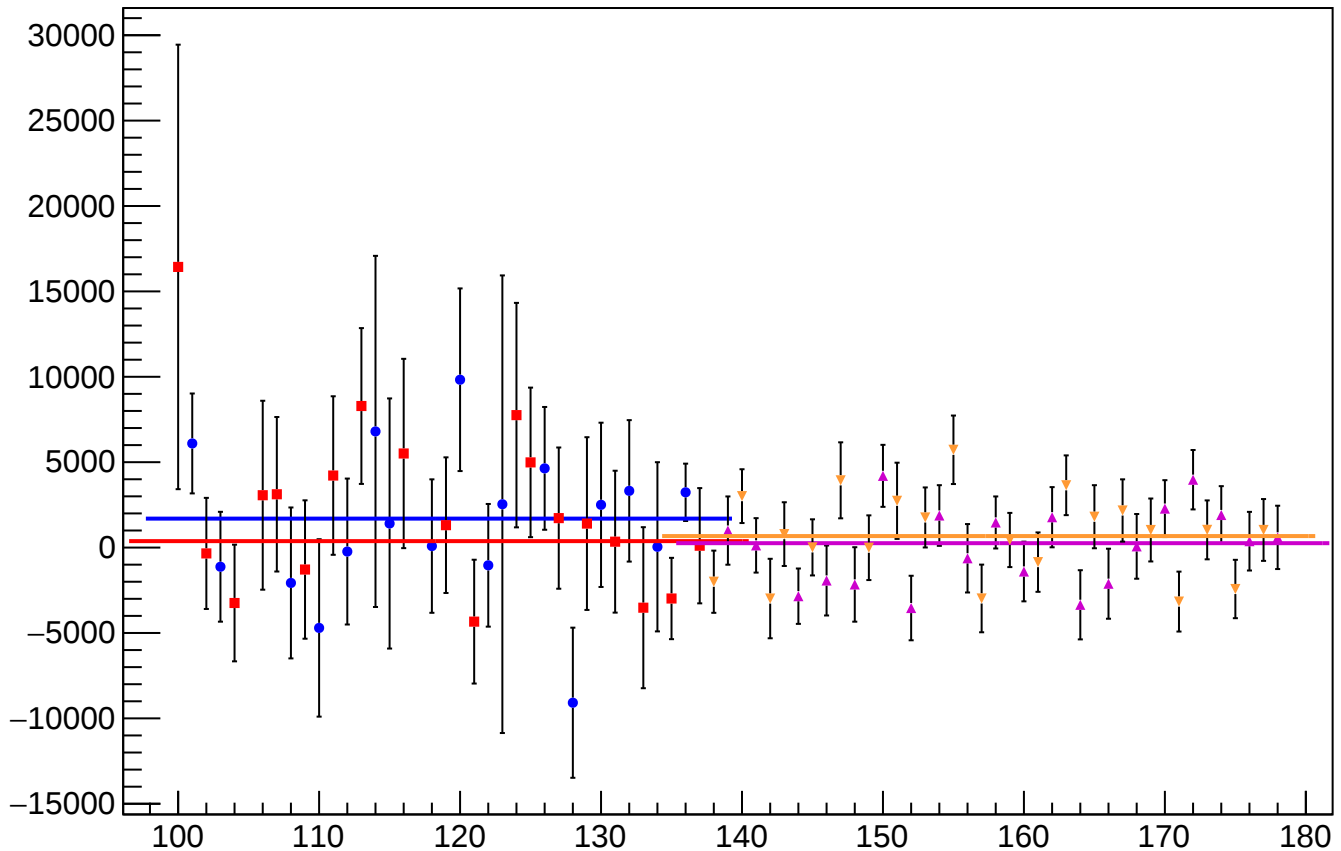
Left In: 1570.587 $\pm$ 0.283 χ^2 /NDF: 236344.4/19

+ sign 1674.825 $\pm$ 0.256 χ^2 /NDF: 2089041.4/37

All: 1689.277 $\pm$ 0.183 χ^2 /NDF: 4451257.4/70

- sign 1704.186 $\pm$ 0.260 χ^2 /NDF: 2355748.4/38

asym_sam_26_dd_mean vs Slug



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 673.843+/-398.150 χ^2/NDF : 33.2/20

Right Out: 377.629+/-938.528 χ^2/NDF : 15.0/18

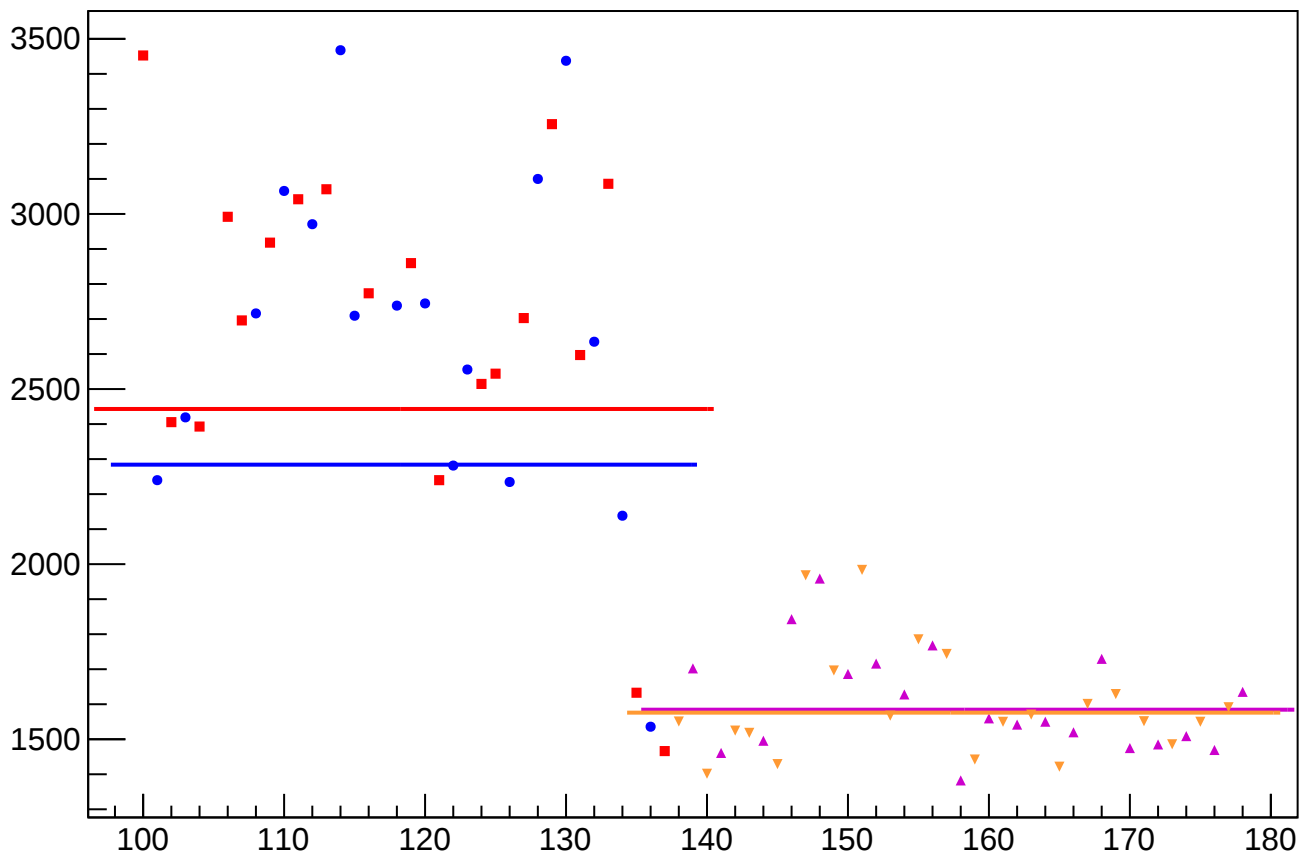
Left In: 257.714+/-403.672 χ^2/NDF : 29.8/19

+ sign 836.607+/-365.075 χ^2/NDF : 50.9/37

All: 560.898+/-260.156 χ^2/NDF : 96.8/76

- sign 276.434+/-370.826 χ^2/NDF : 44.8/38

asym_sam_26_dd_rms vs Slug



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1575.972 $\pm$ 0.282 χ^2 /NDF: 254144.6/20

Right Out: 2443.124 $\pm$ 0.664 χ^2 /NDF: 672899.9/18

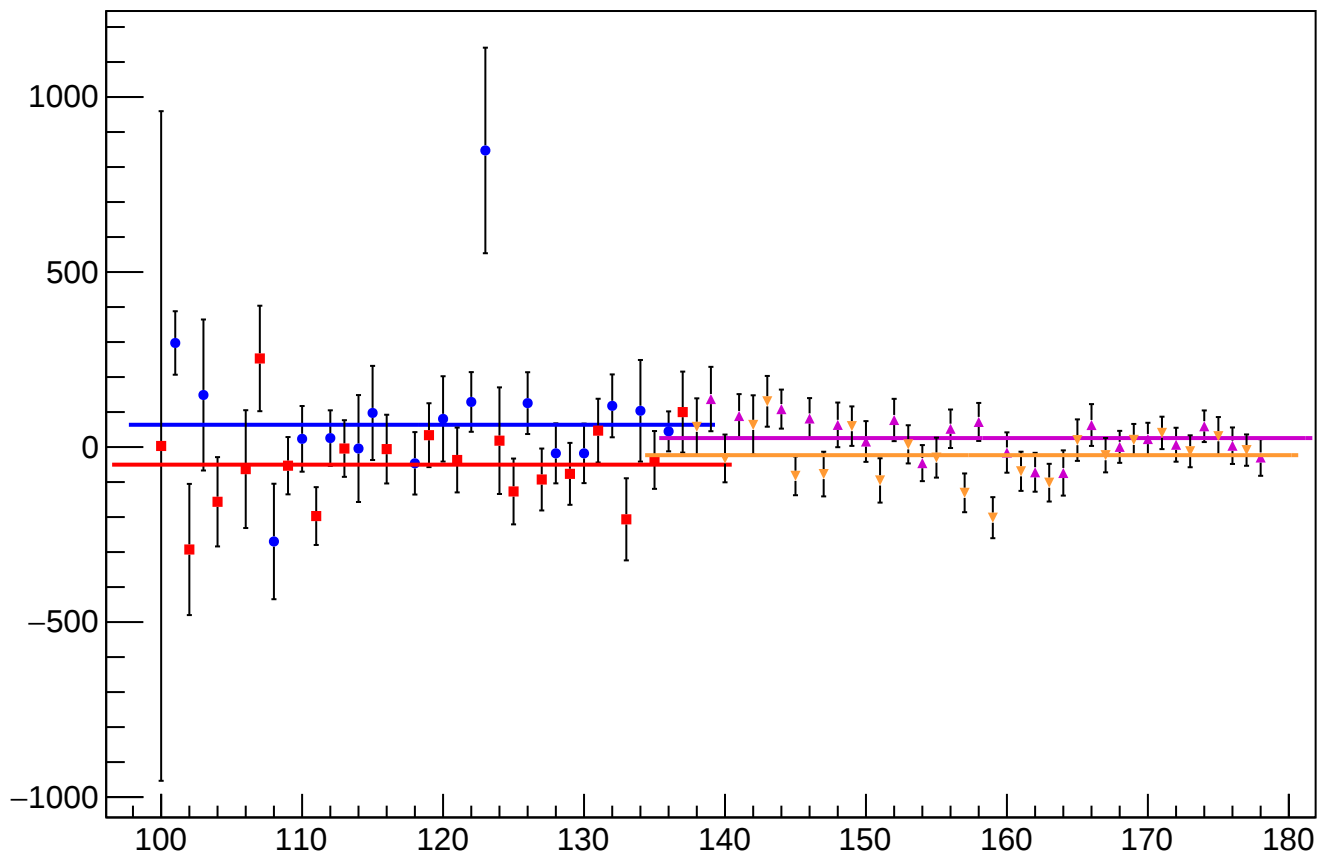
Left In: 1584.405 $\pm$ 0.285 χ^2 /NDF: 230544.0/19

+ sign 1688.737 $\pm$ 0.258 χ^2 /NDF: 2055587.6/37

All: 1703.369 $\pm$ 0.184 χ^2 /NDF: 4378487.0/70

- sign 1718.464 $\pm$ 0.262 χ^2 /NDF: 2316372.5/38

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -23.181 ± 12.205 χ^2/NDF : 32.5/20

Right Out: -50.278 ± 23.661 χ^2/NDF : 16.8/18

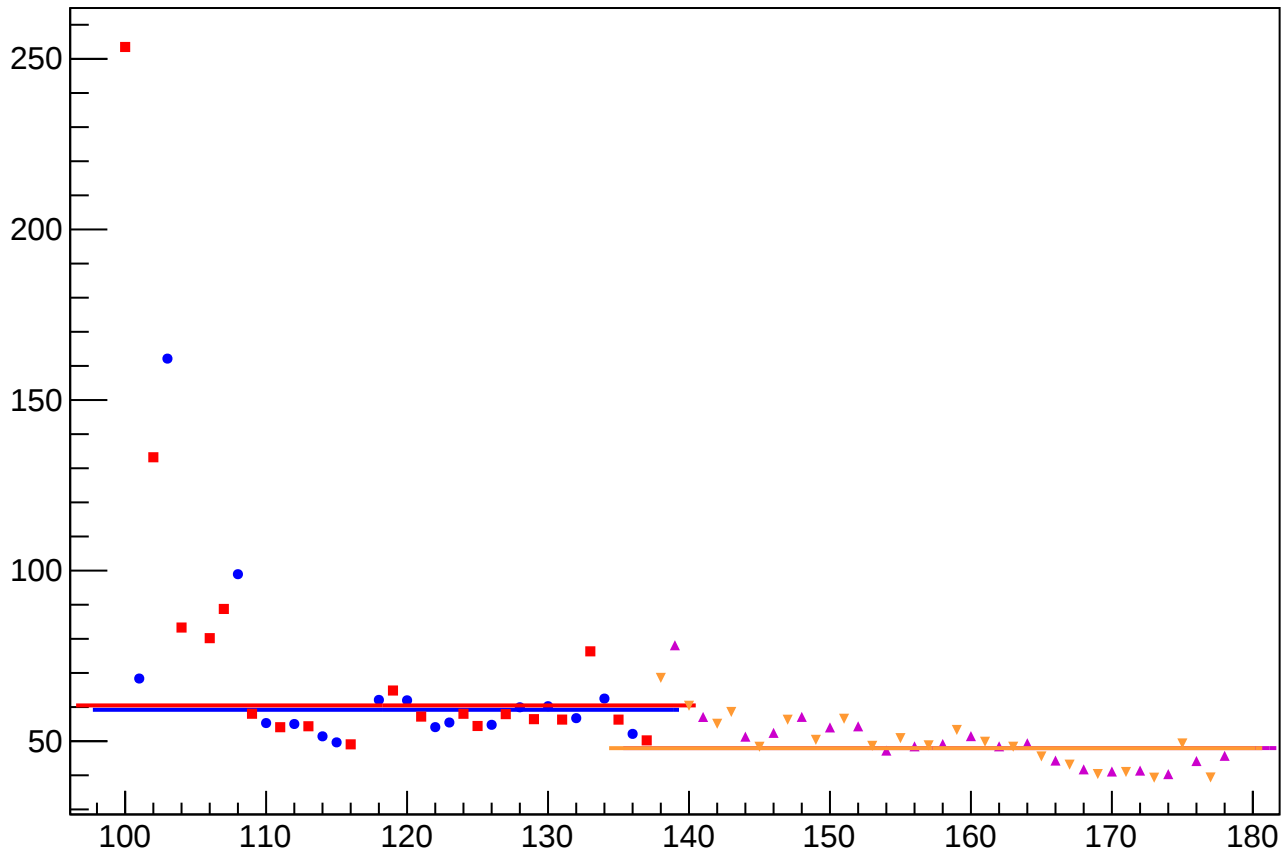
Left In: 25.650 ± 12.319 χ^2/NDF : 18.3/19

+ sign -5.029 ± 10.855 χ^2/NDF : 66.8/37

All: 2.166 ± 7.701 χ^2/NDF : 110.9/76

- sign 9.457 ± 10.927 χ^2/NDF : 43.2/38

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 47.954 $\pm$ 0.009 χ^2 /NDF: 621833.1/20

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

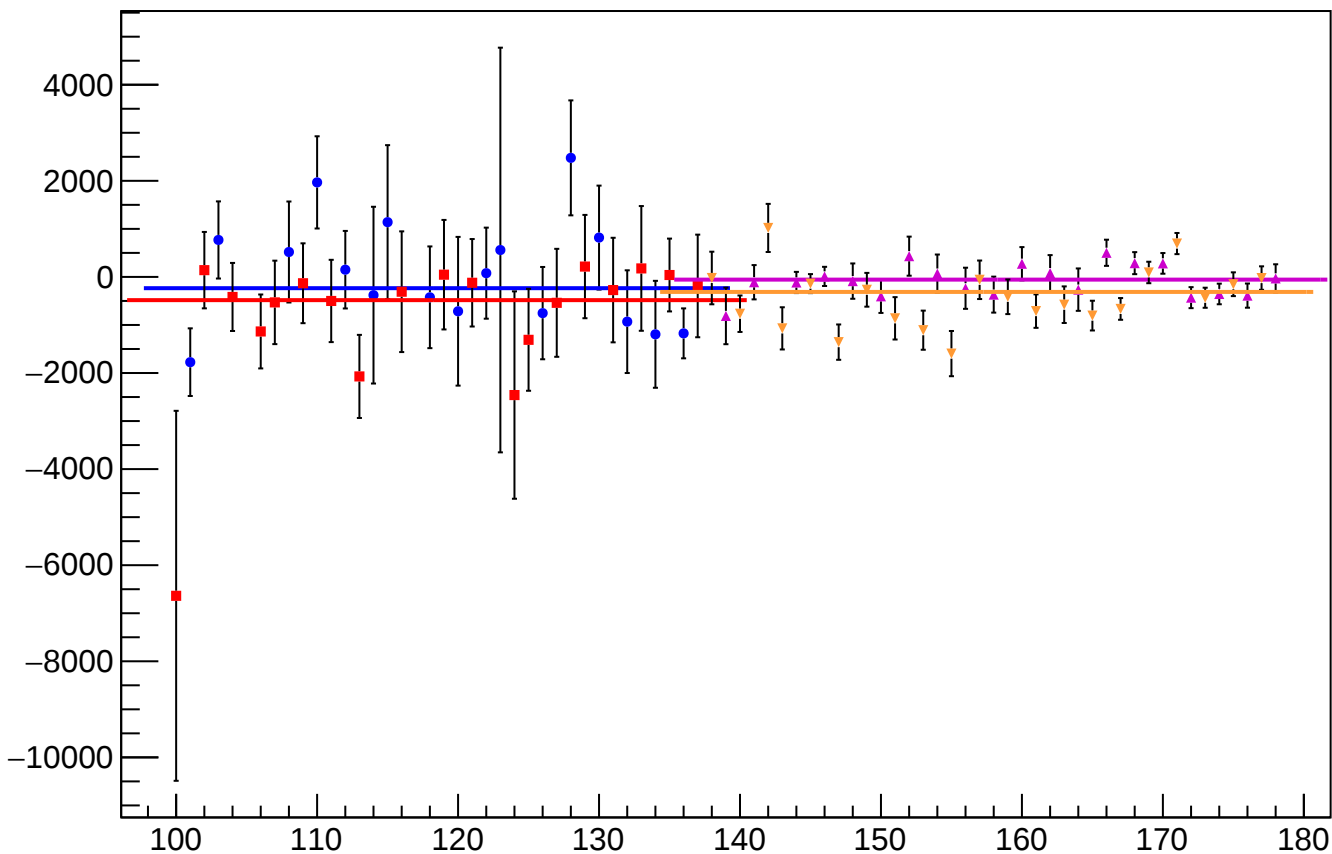
Left In: 47.976 $\pm$ 0.009 χ^2 /NDF: 568794.7/19

+ sign 50.304 $\pm$ 0.008 χ^2 /NDF: 1642283.3/37

All: 50.473 $\pm$ 0.005 χ^2 /NDF: 3331778.2/76

- sign 50.643 $\pm$ 0.008 χ^2 /NDF: 1688527.6/38

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -312.375 ± 65.667 χ^2/NDF : 67.0/20

Right Out: -483.305 ± 222.314 χ^2/NDF : 10.6/18

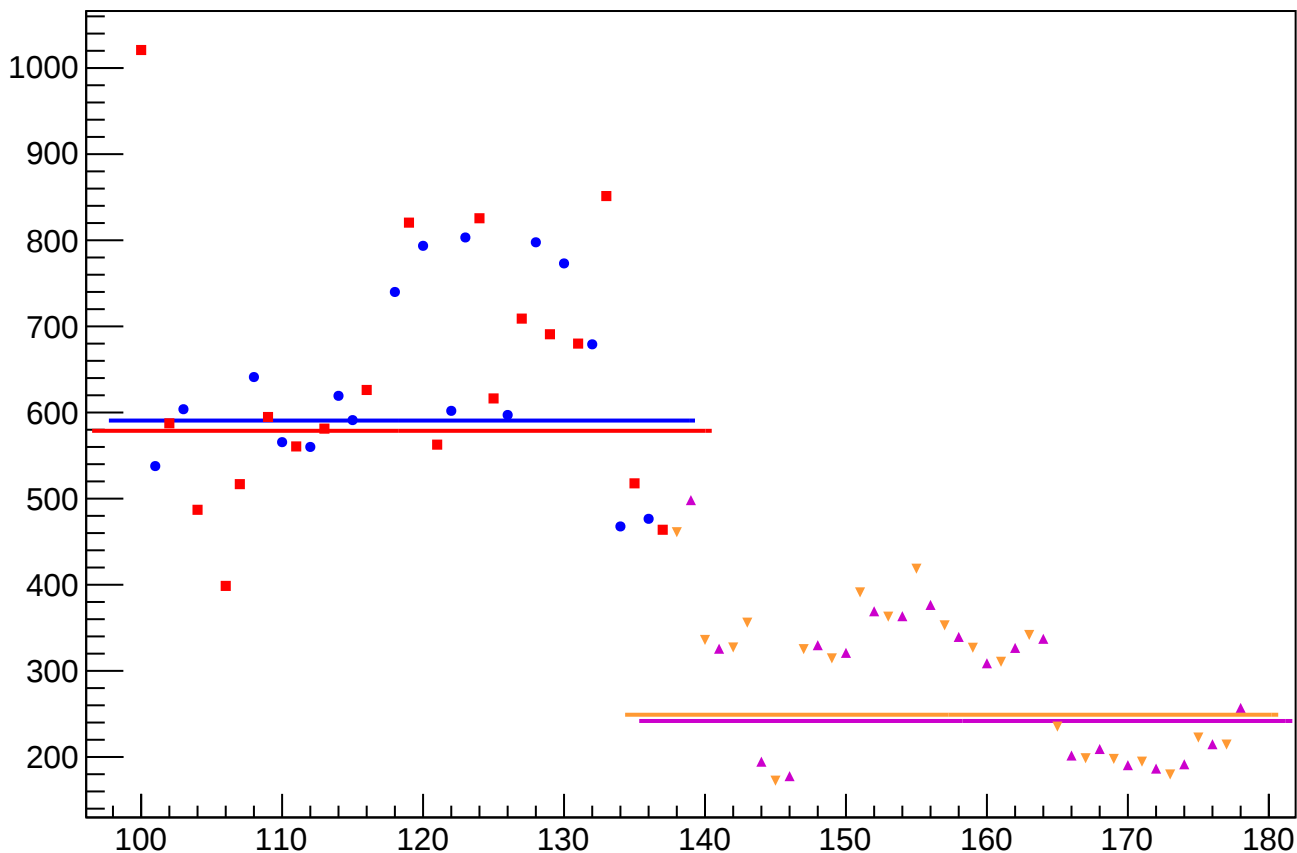
Left In: -56.214 ± 64.294 χ^2/NDF : 22.1/19

+ sign -306.684 ± 63.222 χ^2/NDF : 91.3/37

All: -195.391 ± 44.180 χ^2/NDF : 133.5/76

- sign -89.178 ± 61.763 χ^2/NDF : 36.1/38

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 249.075 $\pm$ 0.046 χ^2 /NDF: 2673081.0/20

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

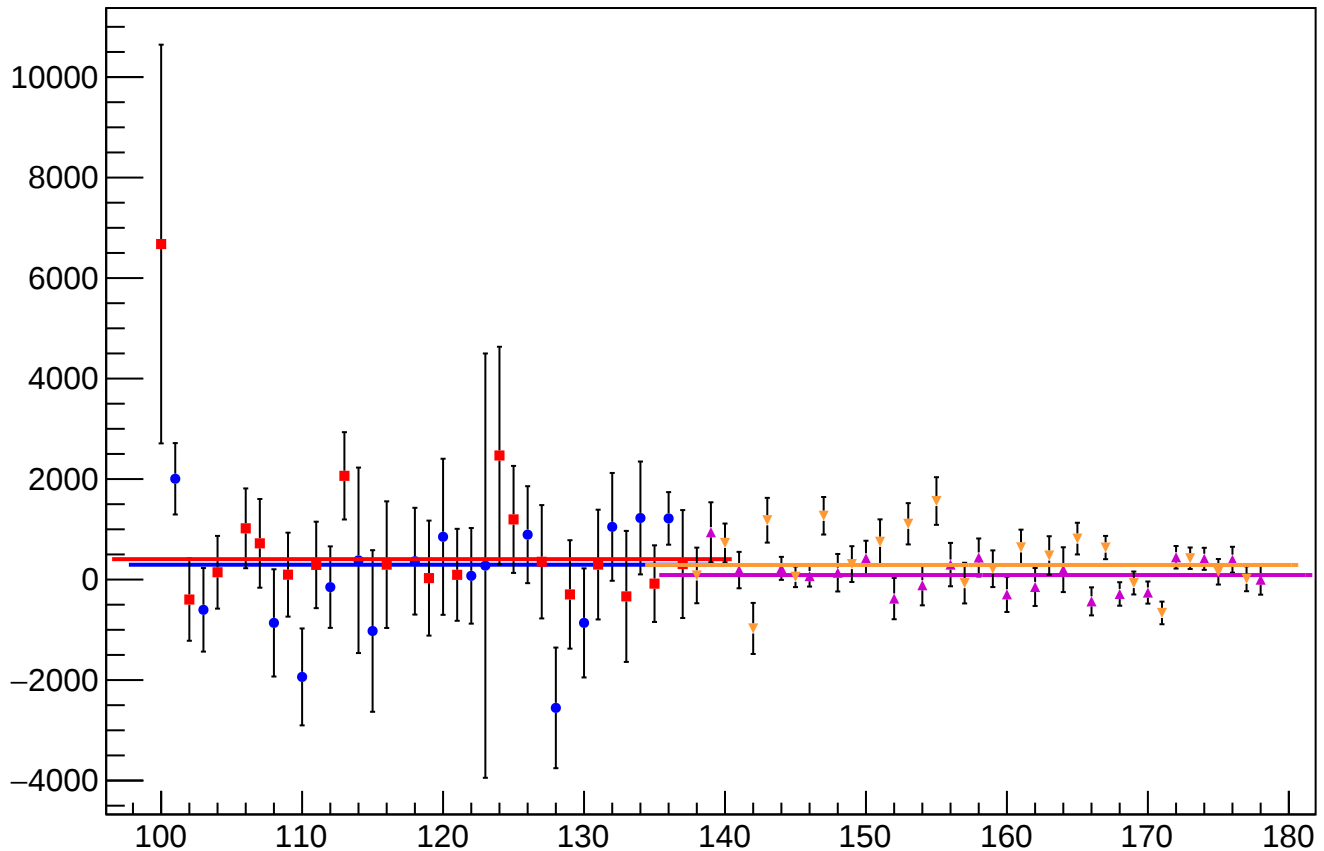
Left In: 241.814 $\pm$ 0.045 χ^2 /NDF: 2460877.7/19

+ sign 274.035 $\pm$ 0.045 χ^2 /NDF: 6979609.1/37

All: 270.855 $\pm$ 0.031 χ^2 /NDF: 14183855.9/76

- sign 267.819 $\pm$ 0.044 χ^2 /NDF: 7194355.0/38

asym_sam_37_dd_mean vs Slug



Right In: 295.401 ± 235.860 χ^2/NDF : 26.1/16

Left Out: 290.429 ± 67.011 χ^2/NDF : 61.5/20

Right Out: 406.158 ± 224.855 χ^2/NDF : 11.0/18

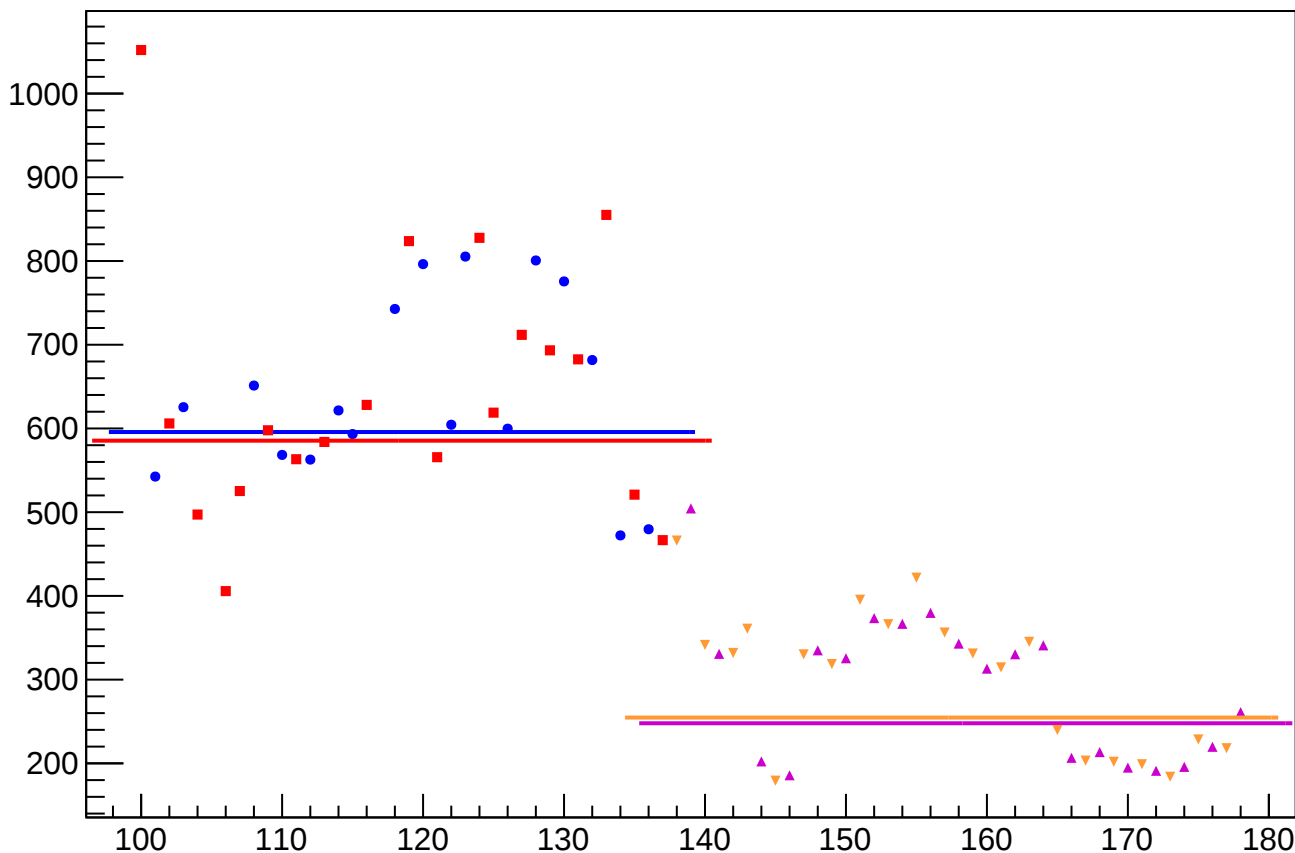
Left In: 90.008 ± 65.744 χ^2/NDF : 22.4/19

+ sign 290.800 ± 64.460 χ^2/NDF : 87.6/37

All: 200.981 ± 45.093 χ^2/NDF : 126.6/76

- sign 114.907 ± 63.102 χ^2/NDF : 35.2/38

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 254.699 $\pm$ 0.047 χ^2 /NDF: 2561460.5/20

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

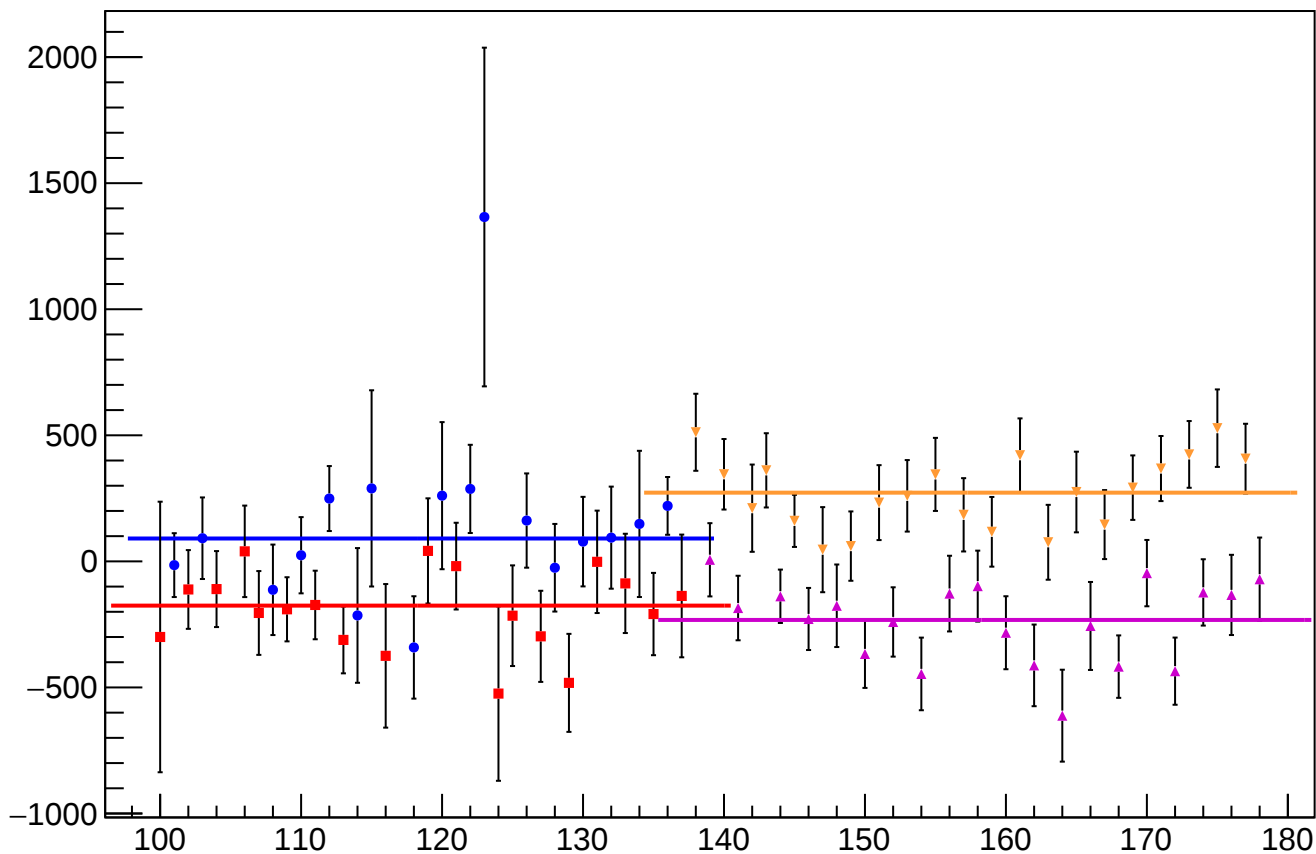
Left In: 247.874 $\pm$ 0.046 χ^2 /NDF: 2338295.3/19

+ sign 280.171 $\pm$ 0.046 χ^2 /NDF: 6780570.3/37

All: 277.254 $\pm$ 0.032 χ^2 /NDF: 13753470.6/76

- sign 274.458 $\pm$ 0.045 χ^2 /NDF: 6964878.6/38

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711 ± 43.312 χ^2/NDF : 16.9/16

Left Out: 272.527 ± 30.793 χ^2/NDF : 19.8/20

Right Out: -175.485 ± 41.101 χ^2/NDF : 10.3/18

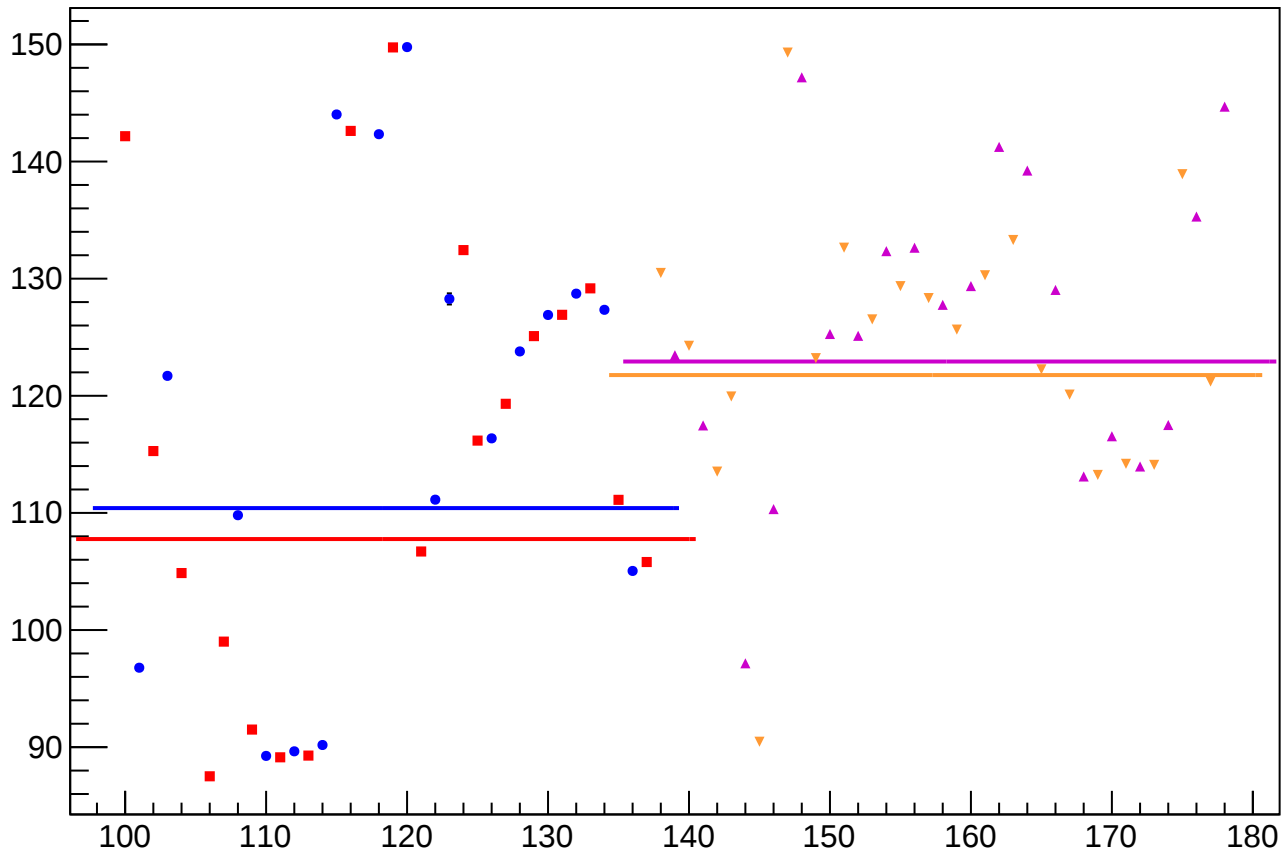
Left In: -232.306 ± 31.403 χ^2/NDF : 22.6/19

+ sign 211.484 ± 25.097 χ^2/NDF : 48.4/37

All: -1.152 ± 17.695 χ^2/NDF : 225.3/76

- sign -211.362 ± 24.953 χ^2/NDF : 34.2/38

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 121.769 $\pm$ 0.022 χ^2 /NDF: 339315.8/20

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

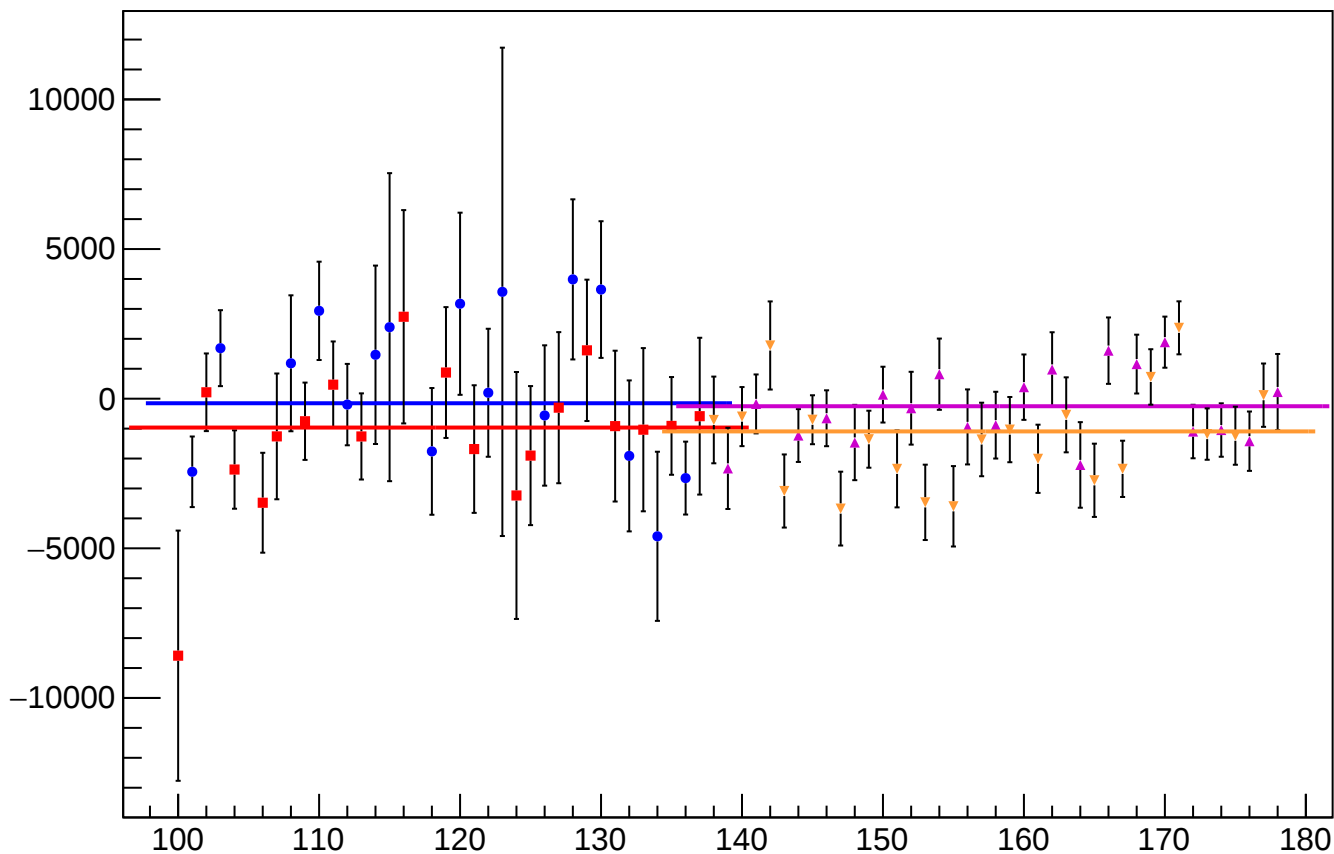
Left In: 122.925 $\pm$ 0.022 χ^2 /NDF: 331942.0/19

+ sign 117.956 $\pm$ 0.018 χ^2 /NDF: 727095.1/37

All: 117.645 $\pm$ 0.013 χ^2 /NDF: 1575839.8/76

- sign 117.338 $\pm$ 0.018 χ^2 /NDF: 848136.1/38

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403 ± 464.753 χ^2/NDF : 24.7/16

Left Out: -1093.367 ± 234.772 χ^2/NDF : 44.3/20

Right Out: -964.716 ± 435.111 χ^2/NDF : 12.3/18

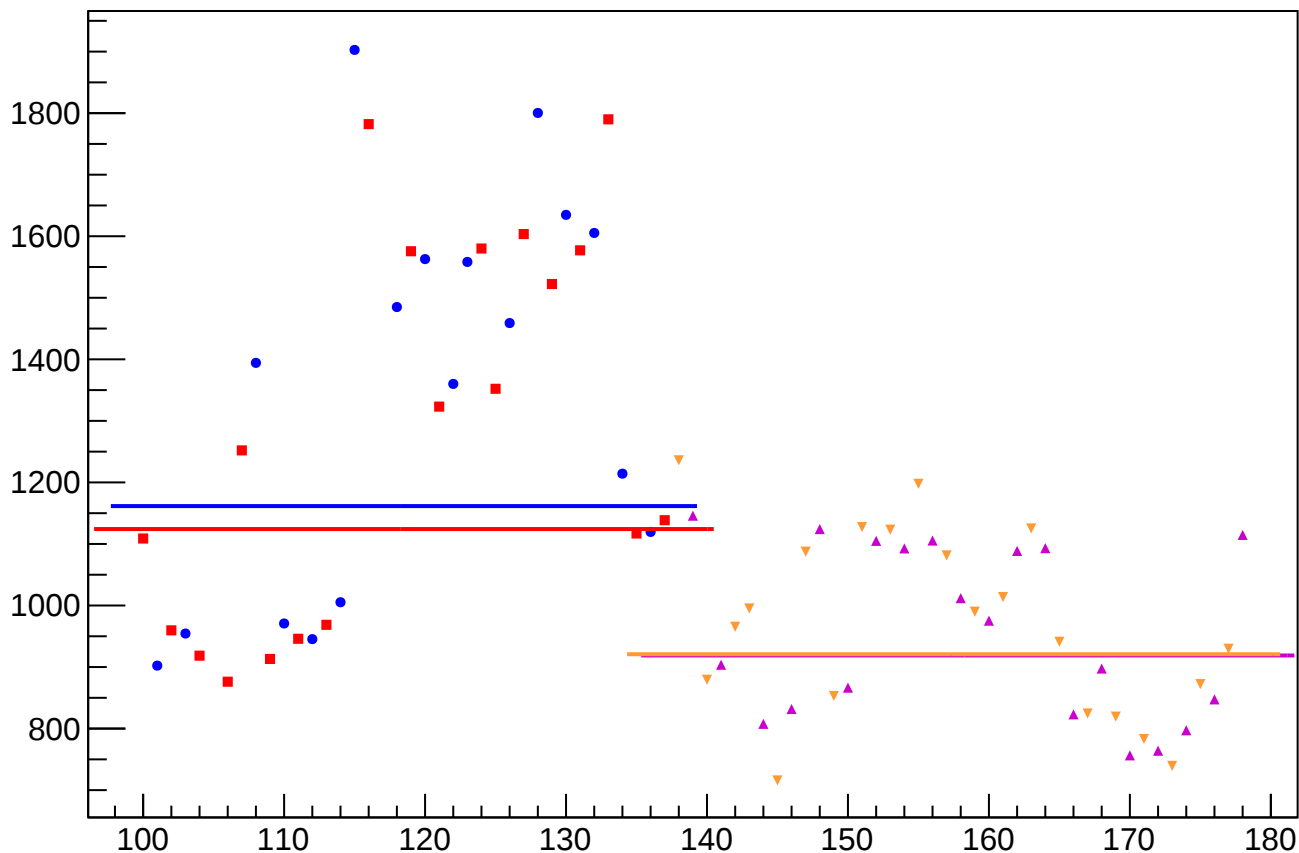
Left In: -252.336 ± 236.074 χ^2/NDF : 23.9/19

+ sign -902.067 ± 209.552 χ^2/NDF : 72.3/37

All: -655.808 ± 147.445 χ^2/NDF : 113.2/76

- sign -414.348 ± 207.500 χ^2/NDF : 38.2/38

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 920.794 $\pm$ 0.166 χ^2 /NDF: 765083.3/20

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

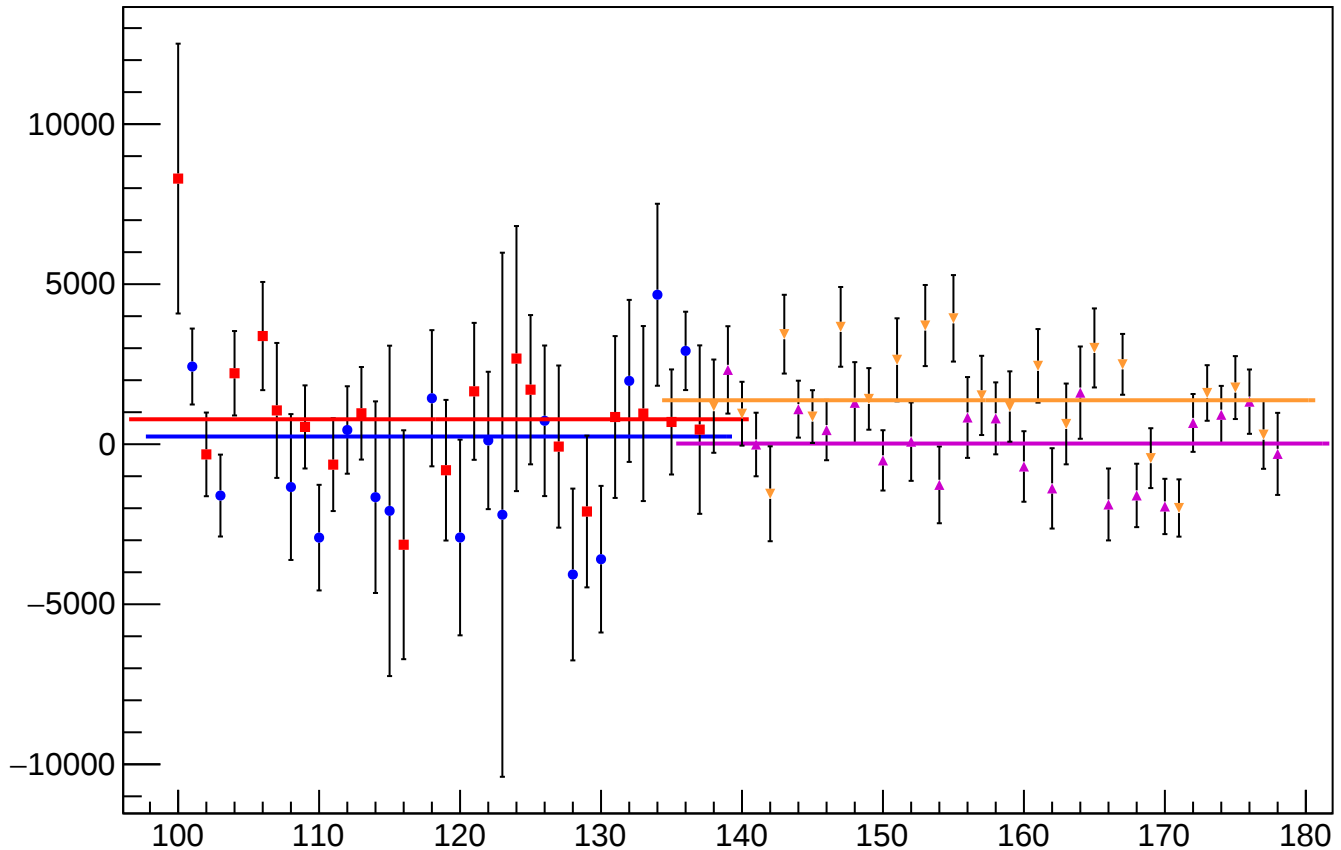
Left In: 918.797 $\pm$ 0.167 χ^2 /NDF: 628432.7/19

+ sign 969.736 $\pm$ 0.148 χ^2 /NDF: 1888516.2/37

All: 967.606 $\pm$ 0.104 χ^2 /NDF: 3629602.4/76

- sign 965.518 $\pm$ 0.147 χ^2 /NDF: 1740677.1/38

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1373.501 $\pm$ 236.925 χ^2 /NDF:42.1/20

Right Out: 779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

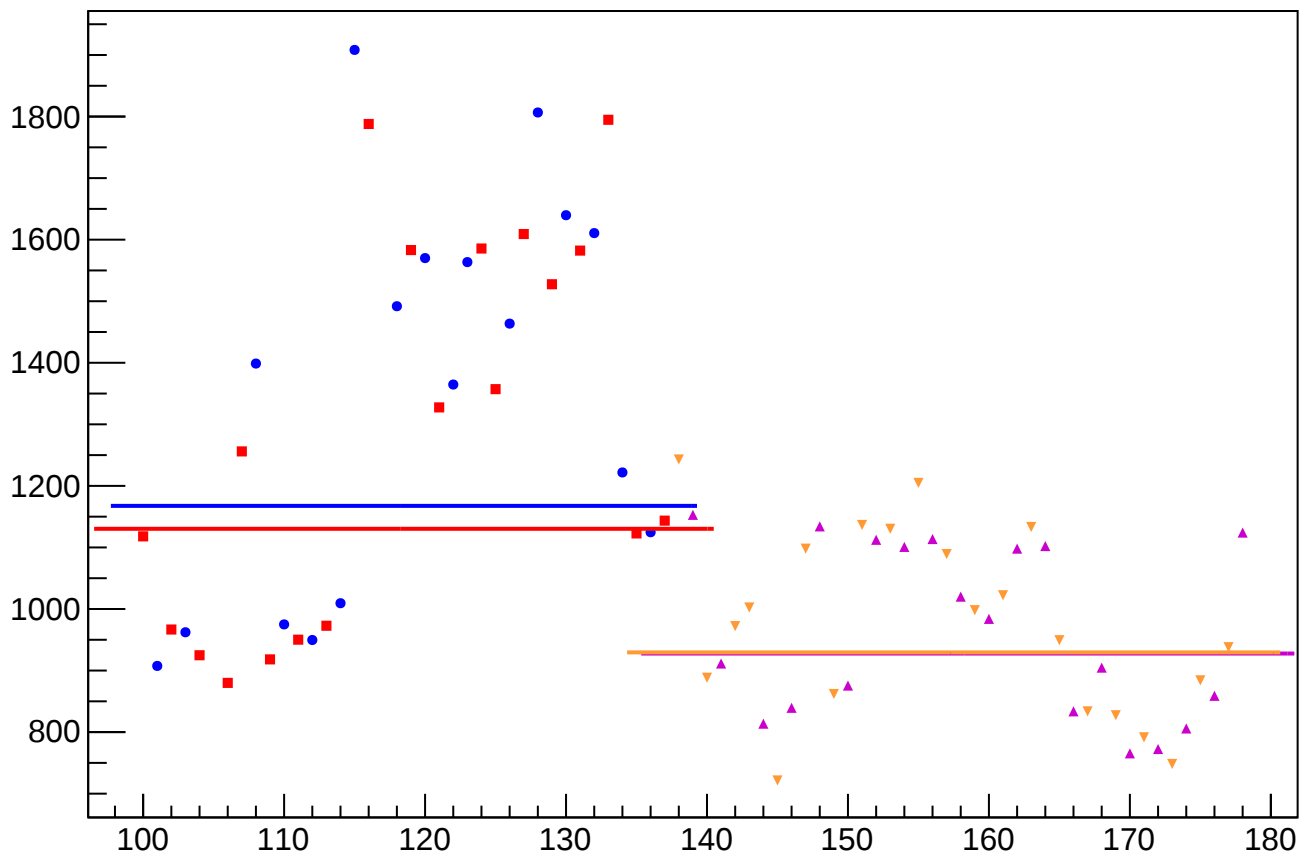
Left In: 20.869 $\pm$ 238.289 χ^2 /NDF:24.8/19

+ sign 1141.652 $\pm$ 211.292 χ^2 /NDF: 71.6/37

All: 663.436 $\pm$ 148.683 χ^2 /NDF: 121.2/76

- sign 194.369 $\pm$ 209.261 χ^2 /NDF: 39.4/38

asym_sam_48_dd_rms vs Slug



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 929.495 $\pm$ 0.168 χ^2 /NDF: 752844.9/20

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

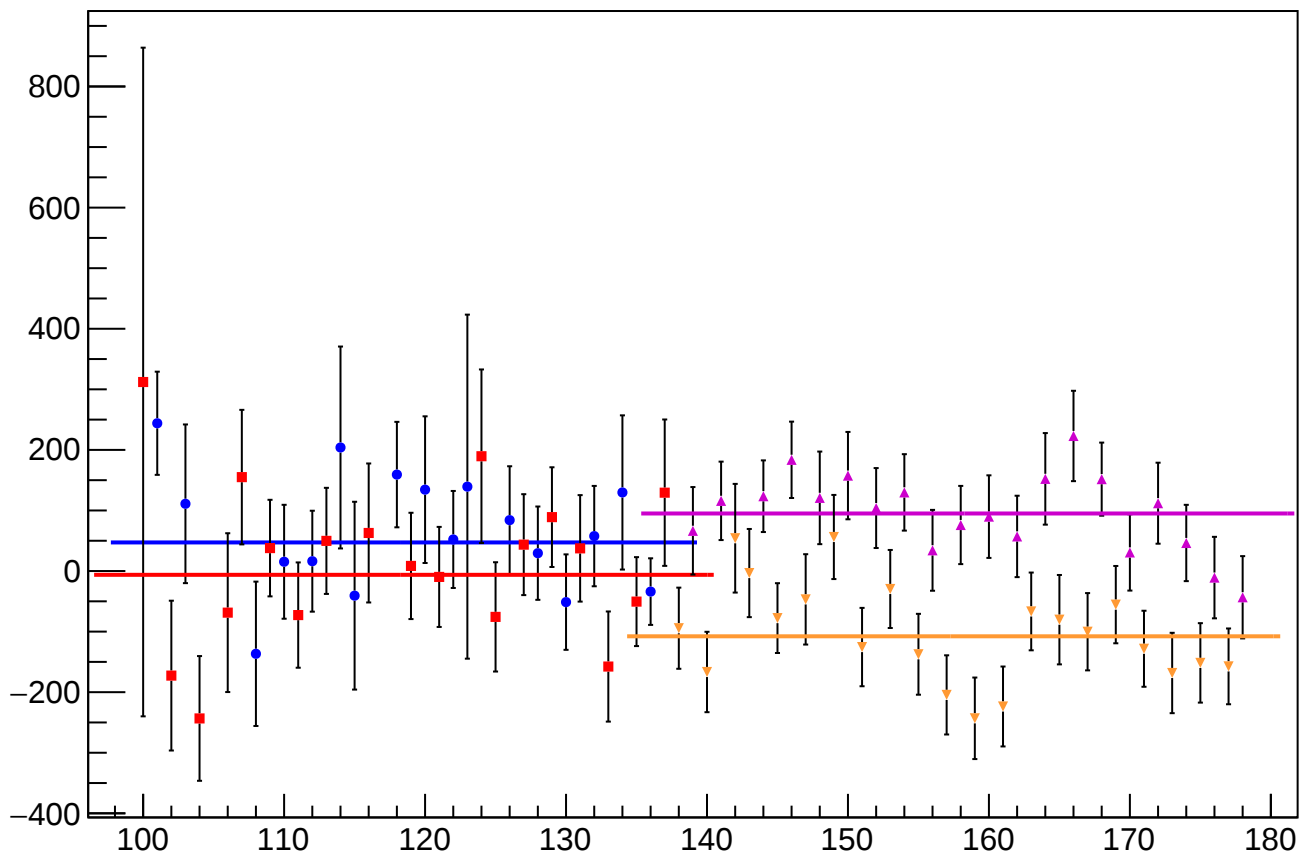
Left In: 927.632 $\pm$ 0.168 χ^2 /NDF: 617325.8/19

+ sign 978.217 $\pm$ 0.149 χ^2 /NDF: 1856555.7/37

All: 976.089 $\pm$ 0.105 χ^2 /NDF: 3566797.1/76

- sign 974.002 $\pm$ 0.148 χ^2 /NDF: 1709839.6/38

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -107.751 $\pm$ 14.546 χ^2 /NDF: 27.0/20

Right Out: -6.246 $\pm$ 22.128 χ^2 /NDF: 20.3/18

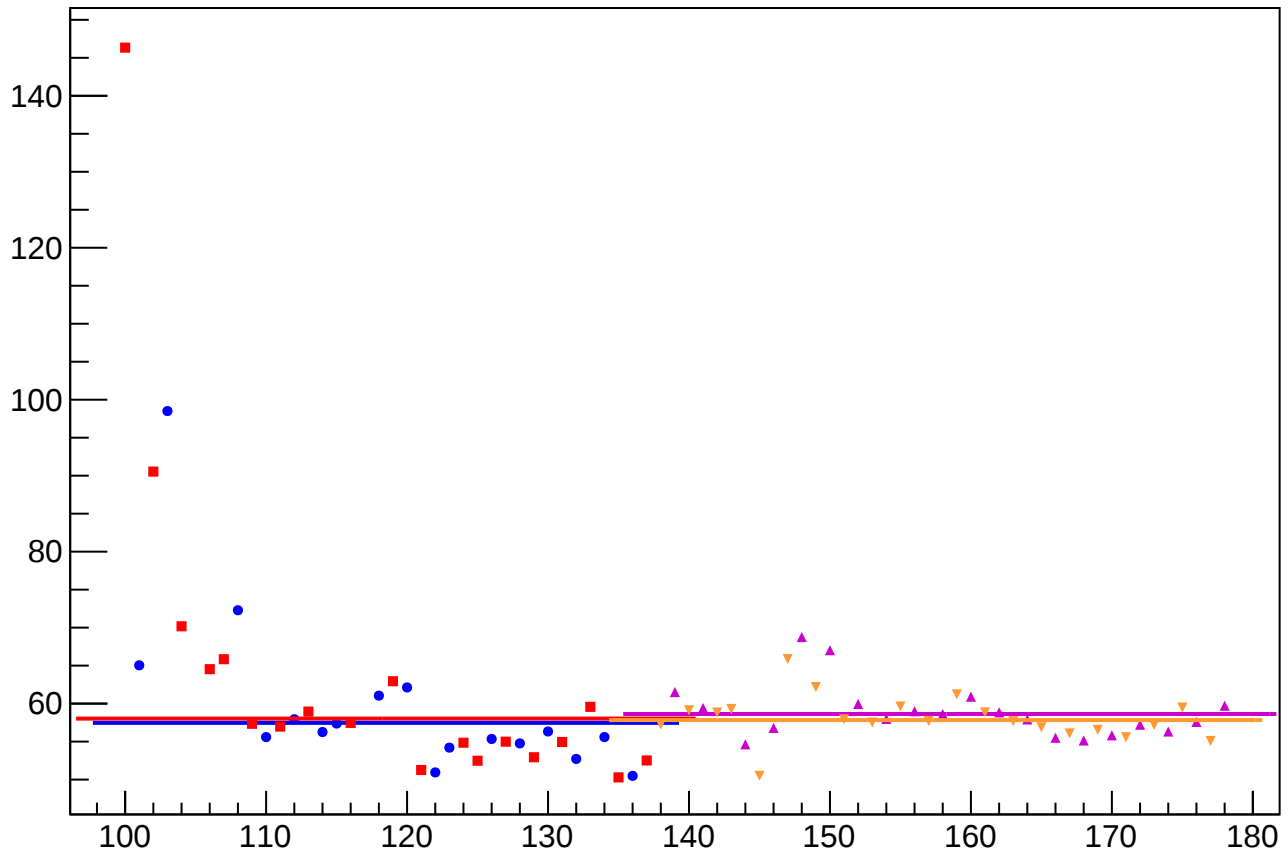
Left In: 95.016 $\pm$ 14.894 χ^2 /NDF: 17.6/19

+ sign -62.259 $\pm$ 12.226 χ^2 /NDF: 76.4/37

All: -0.075 $\pm$ 8.690 χ^2 /NDF: 181.0/76

- sign 63.442 $\pm$ 12.356 χ^2 /NDF: 52.3/38

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 57.831 $\pm$ 0.010 χ^2 /NDF: 83013.3/20

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

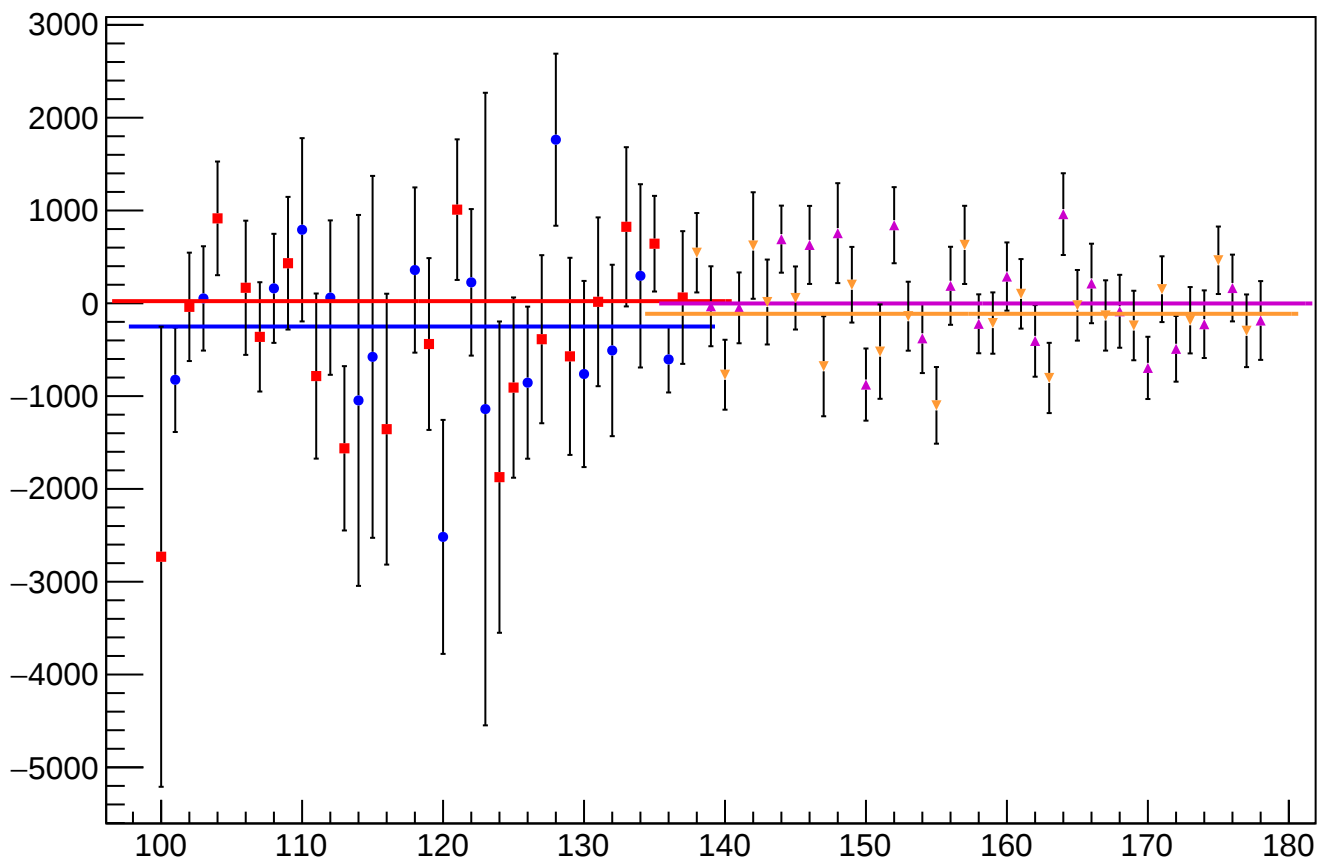
Left In: 58.632 $\pm$ 0.011 χ^2 /NDF: 98775.0/19

+ sign 57.724 $\pm$ 0.009 χ^2 /NDF: 390540.8/37

All: 58.080 $\pm$ 0.006 χ^2 /NDF: 794556.3/76

- sign 58.443 $\pm$ 0.009 χ^2 /NDF: 400590.3/38

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 ± 184.092 $\chi^2/\text{NDF}: 14.3/16$

Left Out: -113.108 ± 86.004 $\chi^2/\text{NDF}: 25.8/20$

Right Out: 23.314 ± 181.834 $\chi^2/\text{NDF}: 16.1/18$

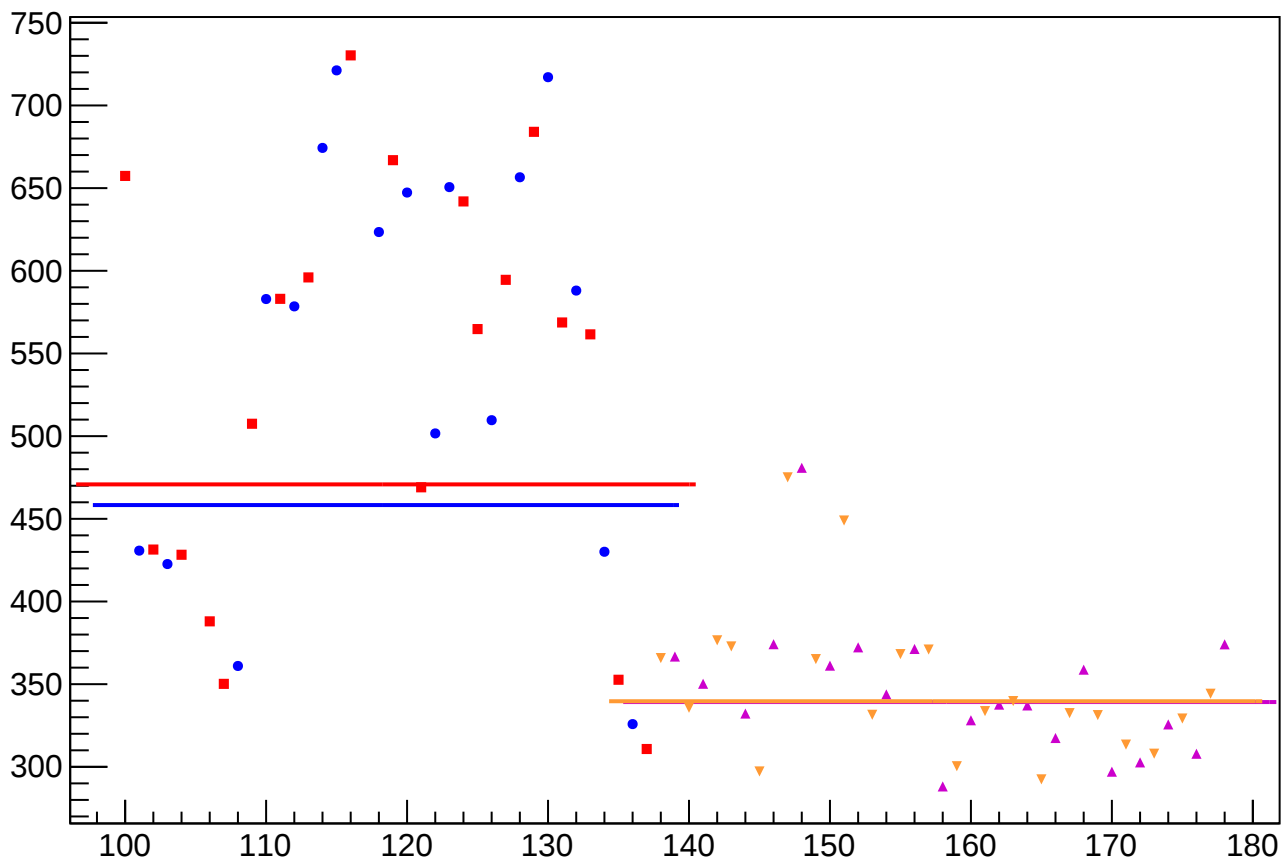
Left In: -1.711 ± 86.656 $\chi^2/\text{NDF}: 32.7/19$

+ sign -137.658 ± 77.920 $\chi^2/\text{NDF}: 40.5/37$

All: -67.645 ± 55.206 $\chi^2/\text{NDF}: 90.9/76$

- sign 2.920 ± 78.227 $\chi^2/\text{NDF}: 48.7/38$

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324 $\pm$ 0.130 χ^2 /NDF: 877201.7/16

Left Out: 339.677 $\pm$ 0.061 χ^2 /NDF: 395617.3/20

Right Out: 470.827 $\pm$ 0.129 χ^2 /NDF: 778635.2/18

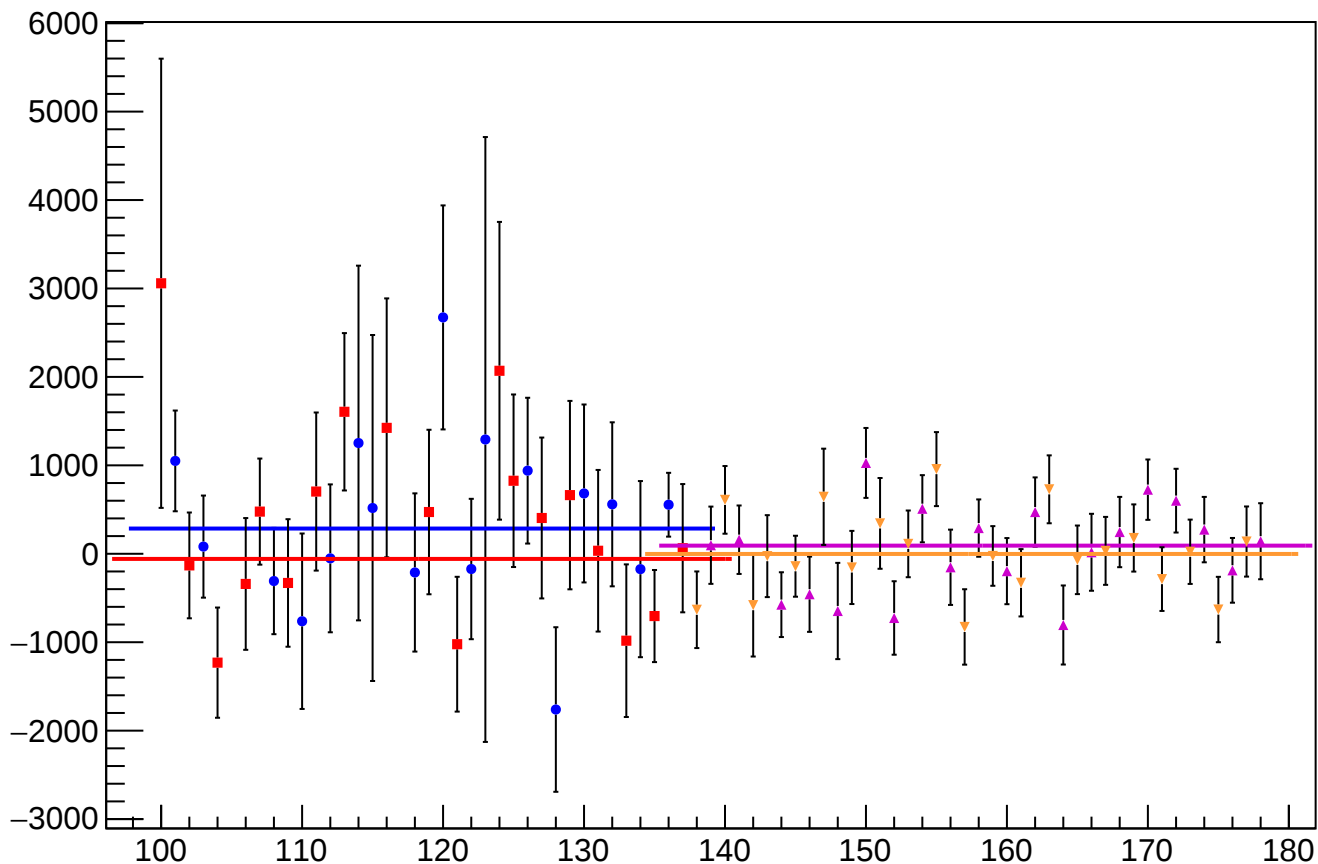
Left In: 339.187 $\pm$ 0.061 χ^2 /NDF: 342119.1/19

+ sign 360.933 $\pm$ 0.055 χ^2 /NDF: 1954747.2/37

All: 362.237 $\pm$ 0.039 χ^2 /NDF: 3930845.6/76

- sign 363.551 $\pm$ 0.055 χ^2 /NDF: 1974973.7/38

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 χ^2/NDF : 15.2/16

Left Out: -1.920 ± 87.289 χ^2/NDF : 25.2/20

Right Out: -58.001 ± 184.074 χ^2/NDF : 19.2/18

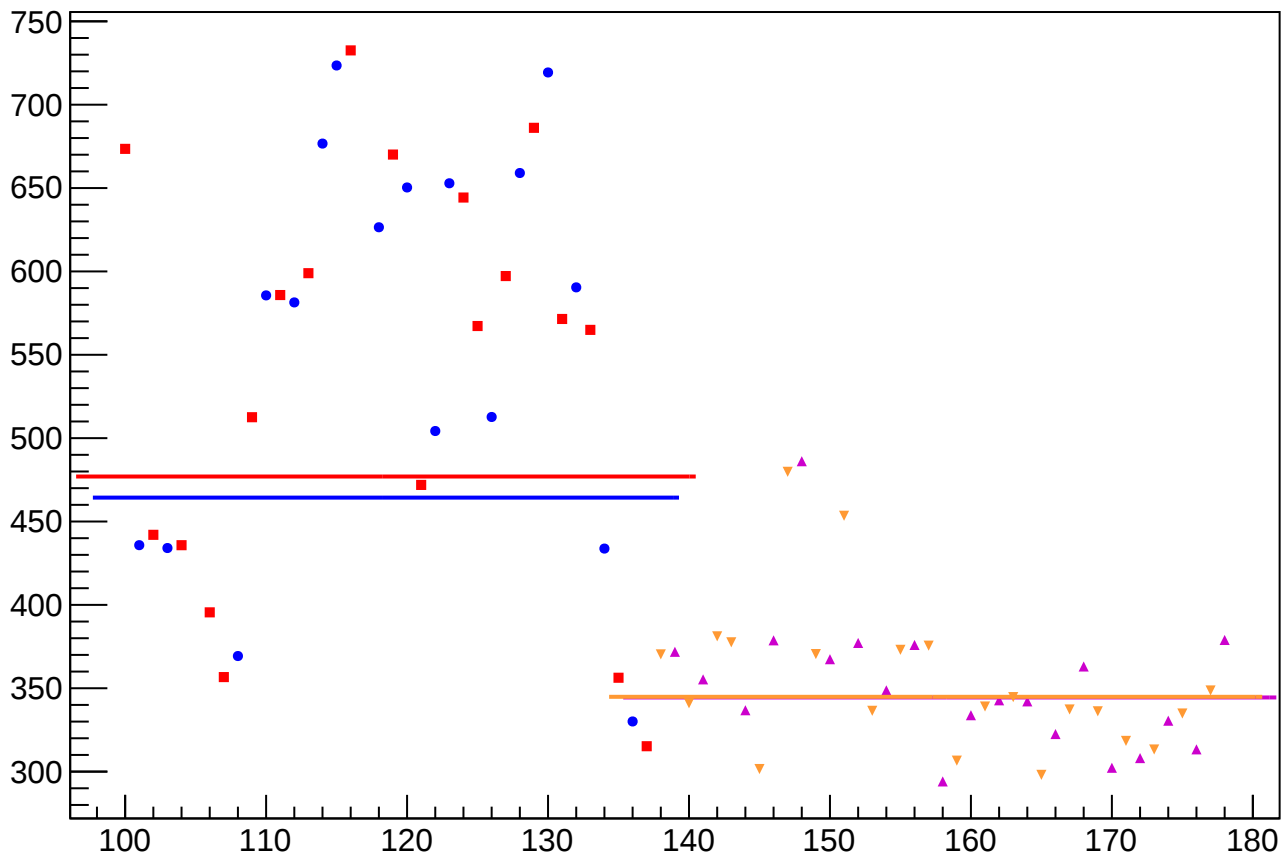
Left In: 92.117 ± 87.981 χ^2/NDF : 30.3/19

+ sign 49.809 ± 79.040 χ^2/NDF : 42.3/37

All: 56.974 ± 56.009 χ^2/NDF : 92.3/76

- sign 64.200 ± 79.380 χ^2/NDF : 50.0/38

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 344.863 $\pm$ 0.062 χ^2 /NDF: 381777.8/20

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

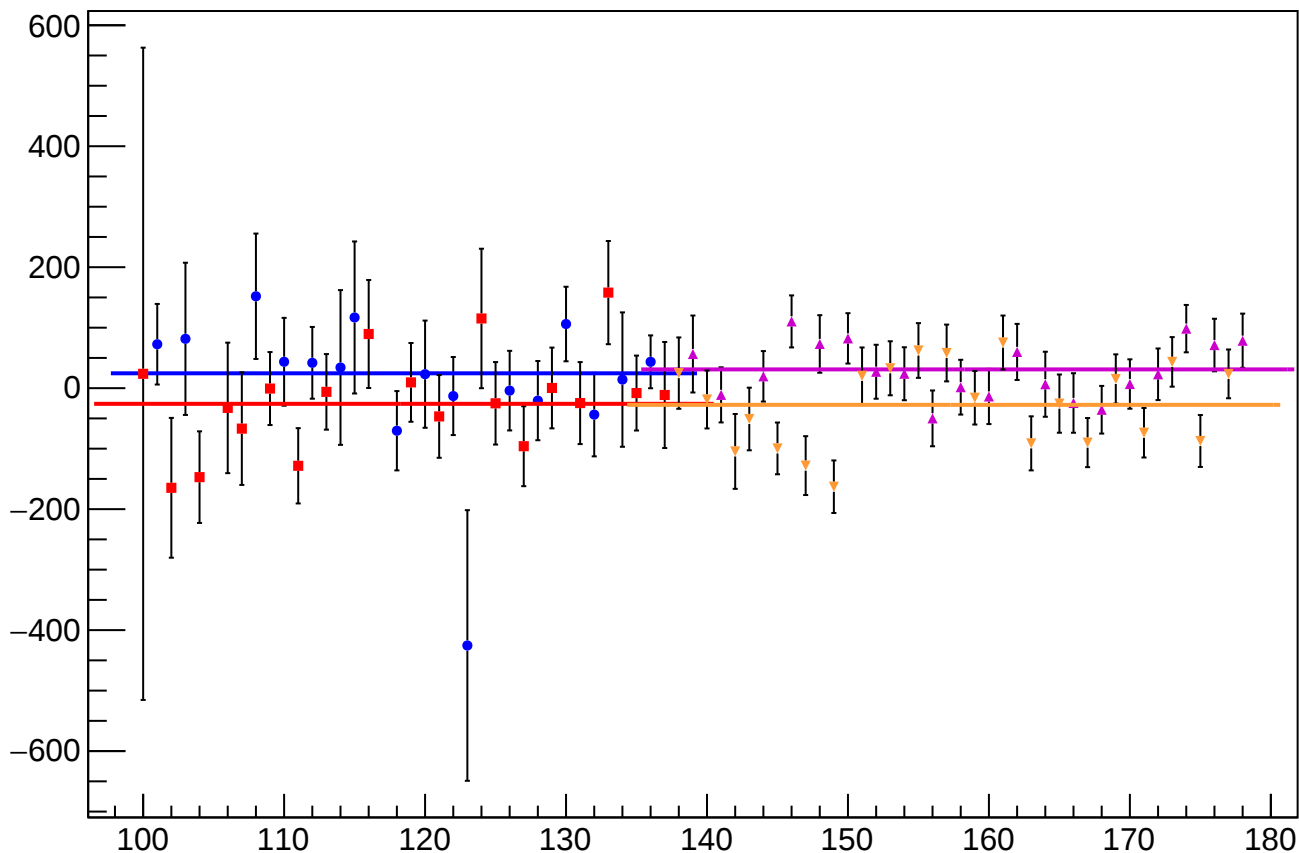
Left In: 344.473 $\pm$ 0.062 χ^2 /NDF: 329703.4/19

+ sign 366.378 $\pm$ 0.056 χ^2 /NDF: 1902407.7/37

All: 367.741 $\pm$ 0.040 χ^2 /NDF: 3826414.2/76

- sign 369.116 $\pm$ 0.056 χ^2 /NDF: 1922811.4/38

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -27.558 $\pm$ 9.872 χ^2 /NDF: 48.3/20

Right Out: -25.884 $\pm$ 17.386 χ^2 /NDF: 16.8/18

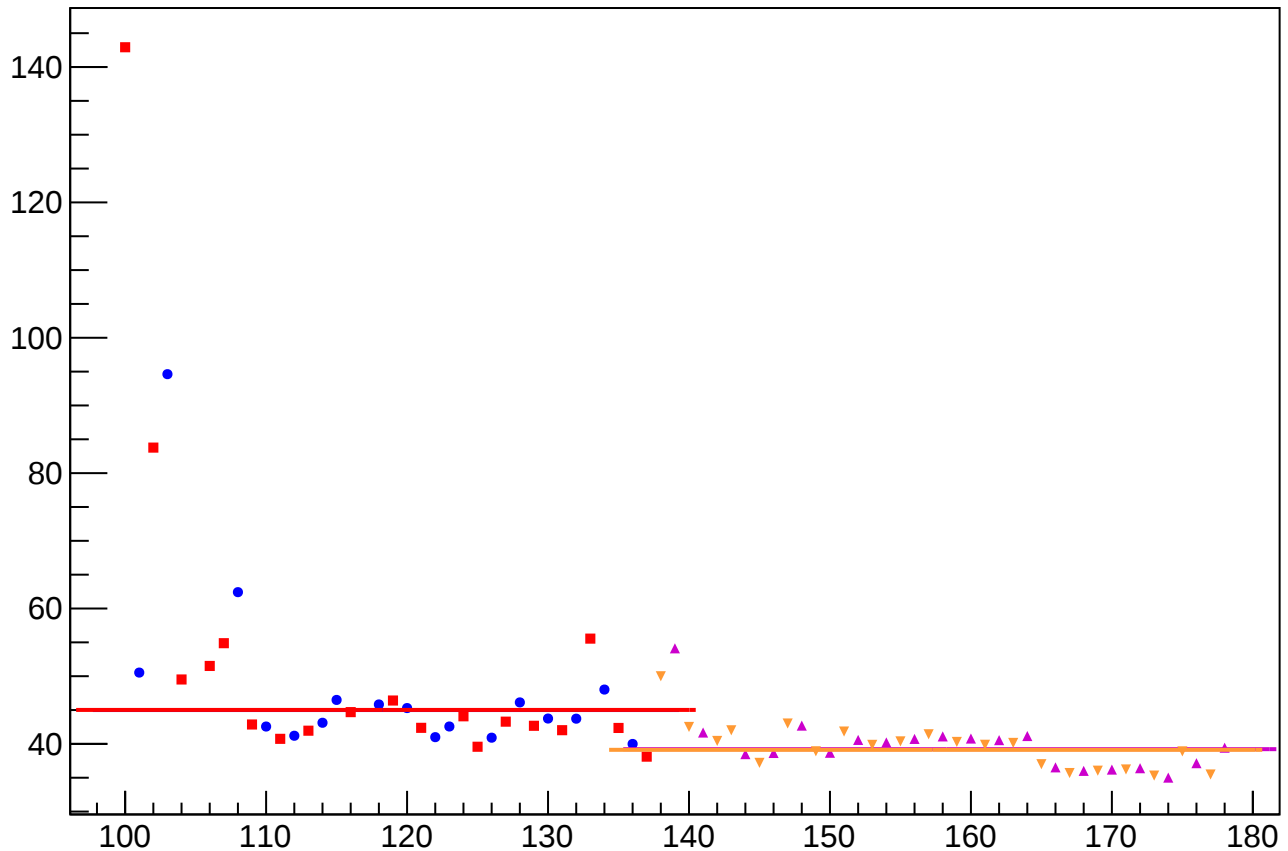
Left In: 31.035 $\pm$ 9.989 χ^2 /NDF: 21.4/19

+ sign -15.333 $\pm$ 8.638 χ^2 /NDF: 67.8/37

All: 0.744 $\pm$ 6.116 χ^2 /NDF: 121.0/76

- sign 16.909 $\pm$ 8.661 χ^2 /NDF: 46.2/38

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 39.123 $\pm$ 0.007 χ^2 /NDF: 191620.9/20

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

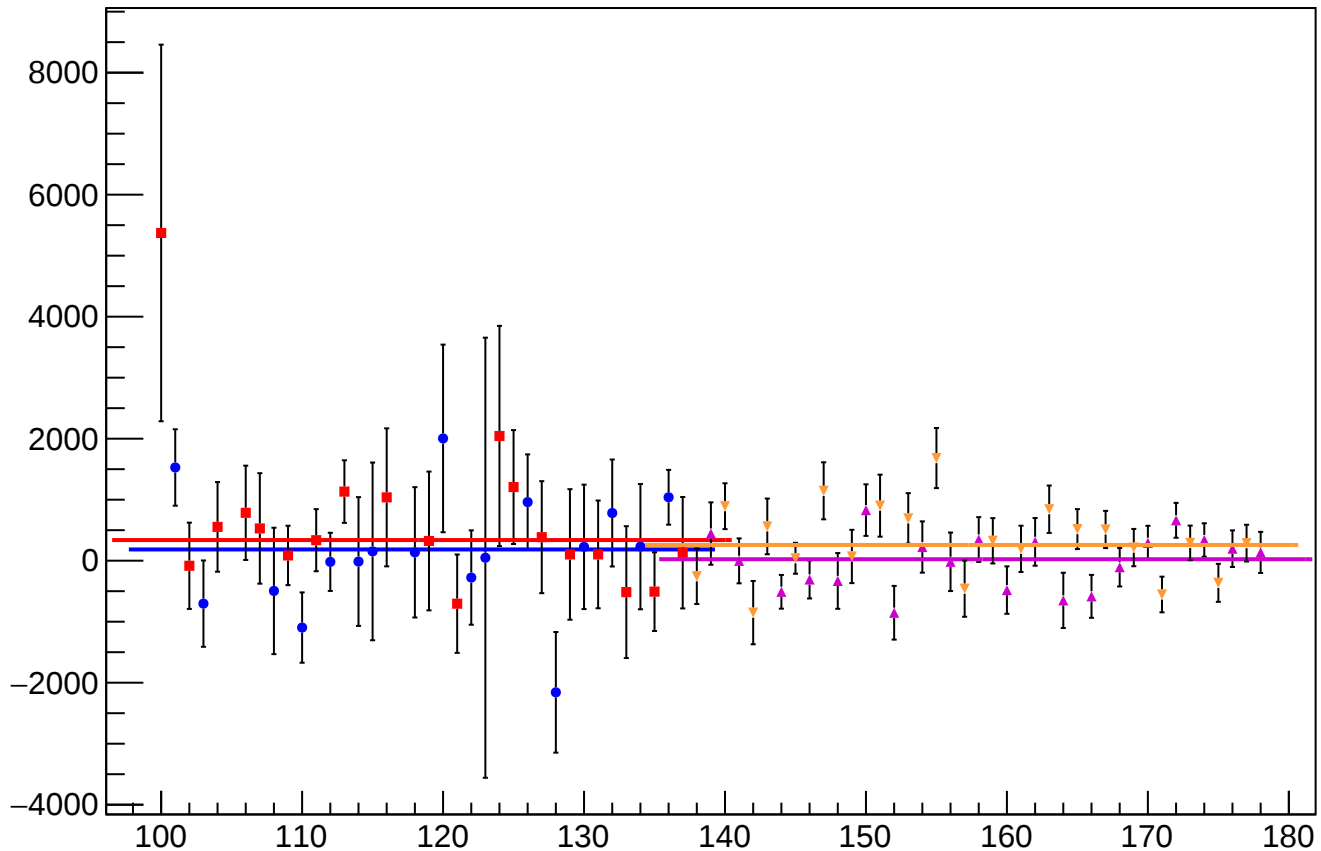
Left In: 39.220 $\pm$ 0.007 χ^2 /NDF: 209083.7/19

+ sign 40.501 $\pm$ 0.006 χ^2 /NDF: 796220.5/37

All: 40.580 $\pm$ 0.004 χ^2 /NDF: 1588309.2/76

- sign 40.659 $\pm$ 0.006 χ^2 /NDF: 791756.4/38

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 258.051 ± 78.713 χ^2/NDF : 42.6/20

Right Out: 338.329 ± 179.381 χ^2/NDF : 12.5/18

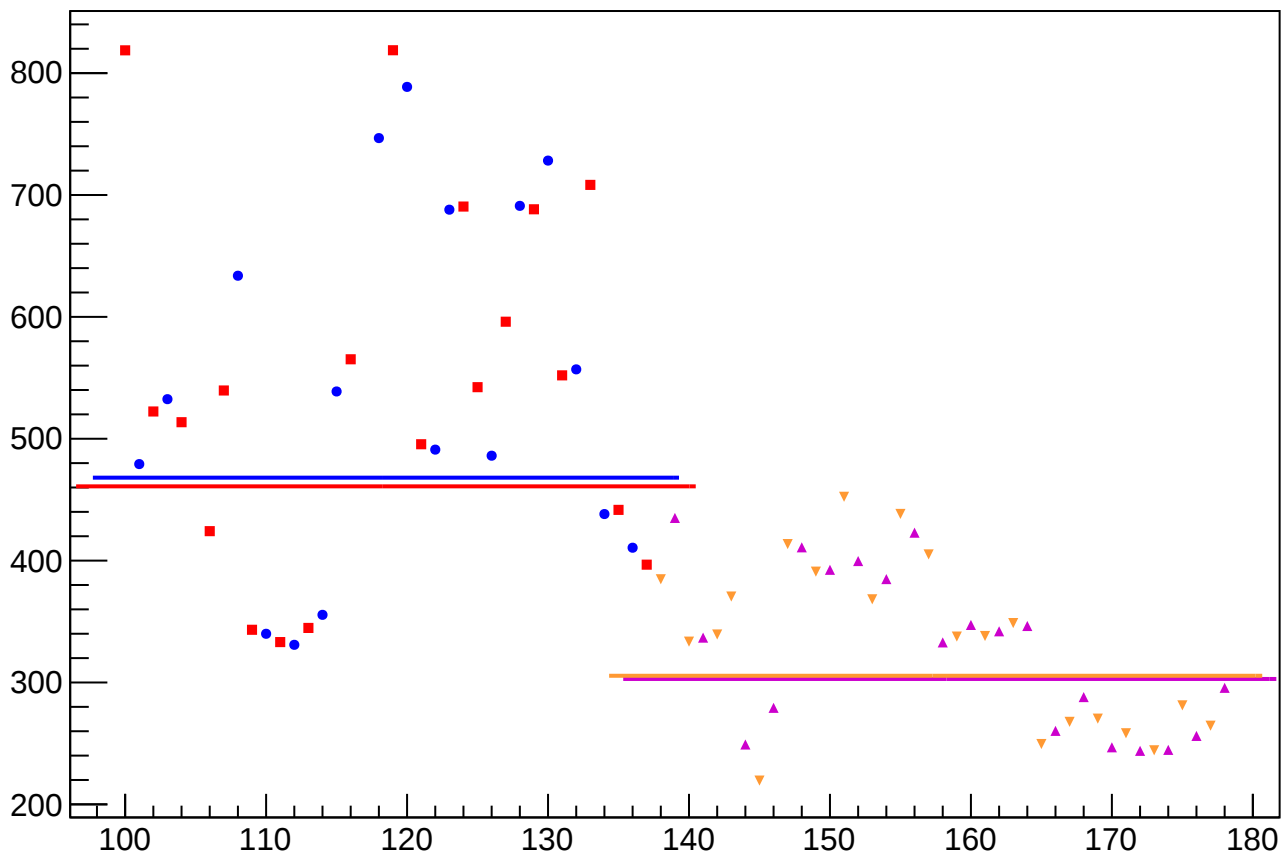
Left In: 23.940 ± 78.546 χ^2/NDF : 30.1/19

+ sign 247.089 ± 72.638 χ^2/NDF : 66.9/37

All: 159.985 ± 51.118 χ^2/NDF : 114.9/76

- sign 74.521 ± 71.951 χ^2/NDF : 45.1/38

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 305.512 $\pm$ 0.056 χ^2 /NDF:1350893.3/20

Right Out: 460.939 $\pm$ 0.127 χ^2 /NDF: 955028.5/18

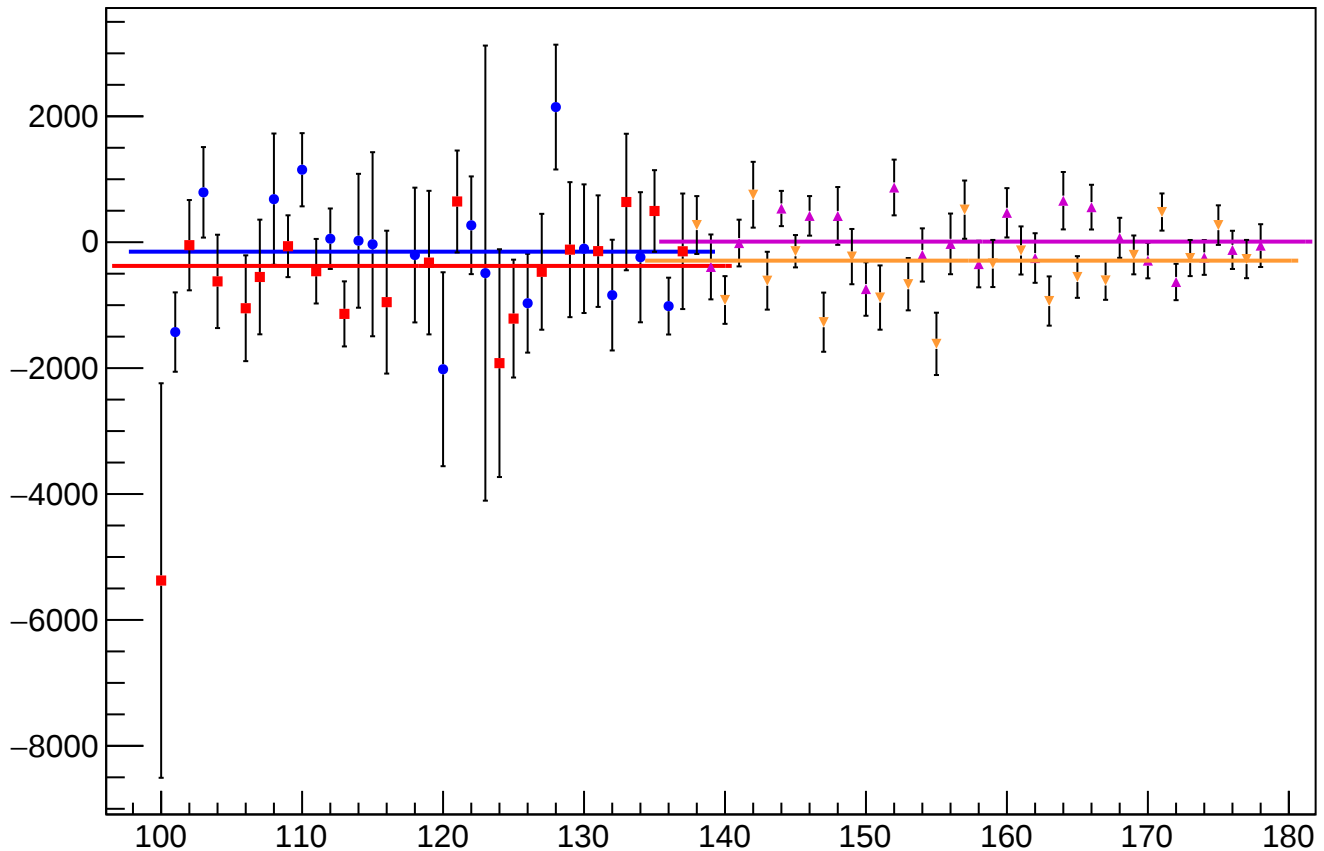
Left In: 302.890 $\pm$ 0.056 χ^2 /NDF:1154520.9/19

+ sign 329.636 $\pm$ 0.051 χ^2 /NDF: 3497111.6/37

All: 328.971 $\pm$ 0.036 χ^2 /NDF: 6909806.1/76

- sign 328.318 $\pm$ 0.051 χ^2 /NDF: 3412362.1/38

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -292.908 ± 79.399 χ^2/NDF : 40.5/20

Right Out: -376.554 ± 181.258 χ^2/NDF : 12.4/18

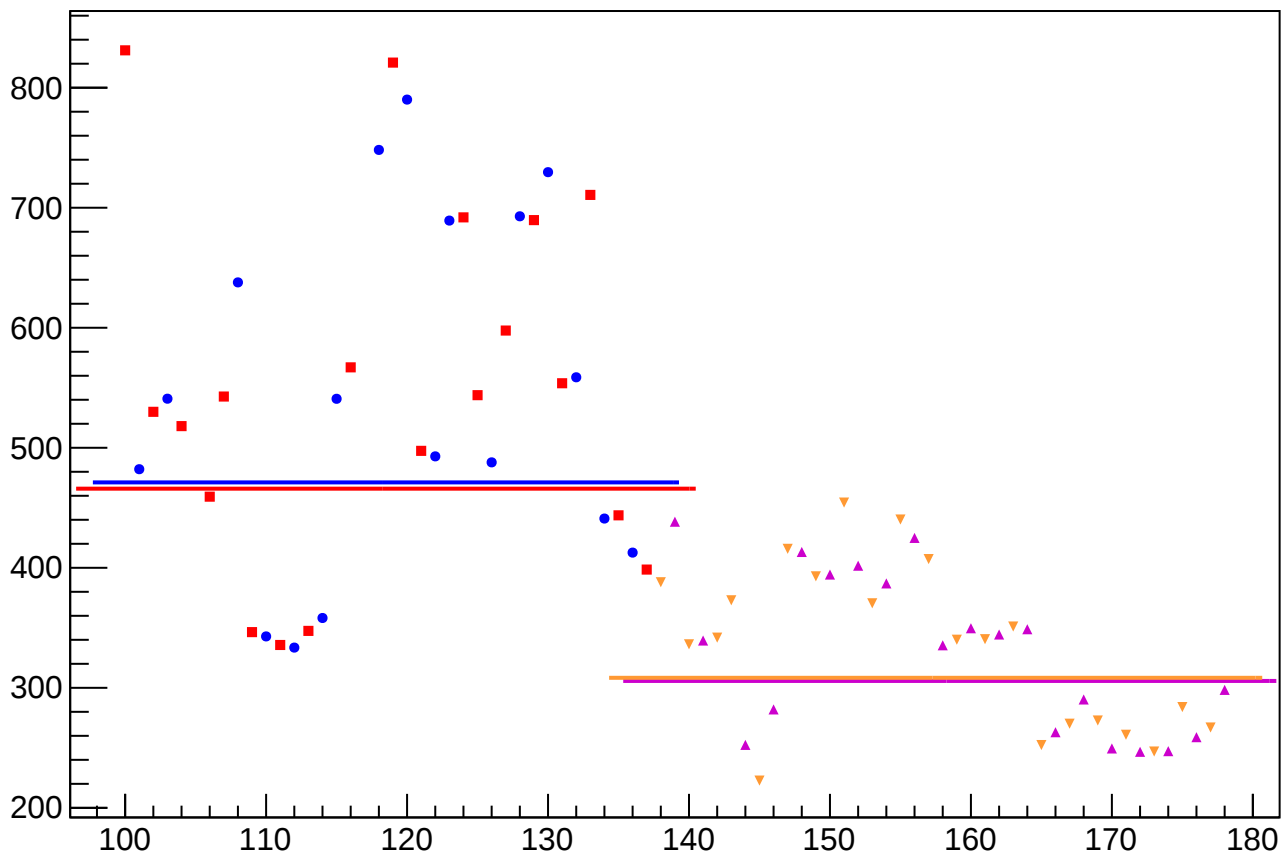
Left In: 9.468 ± 79.244 χ^2/NDF : 28.1/19

+ sign -271.656 ± 73.244 χ^2/NDF : 65.2/37

All: -161.109 ± 51.565 χ^2/NDF : 114.0/76

- sign -52.474 ± 72.608 χ^2/NDF : 44.3/38

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156 $\pm$ 0.134 χ^2 /NDF: 871832.5/16

Left Out: 308.346 $\pm$ 0.056 χ^2 /NDF:1320901.7/20

Right Out: 465.935 $\pm$ 0.128 χ^2 /NDF: 940521.6/18

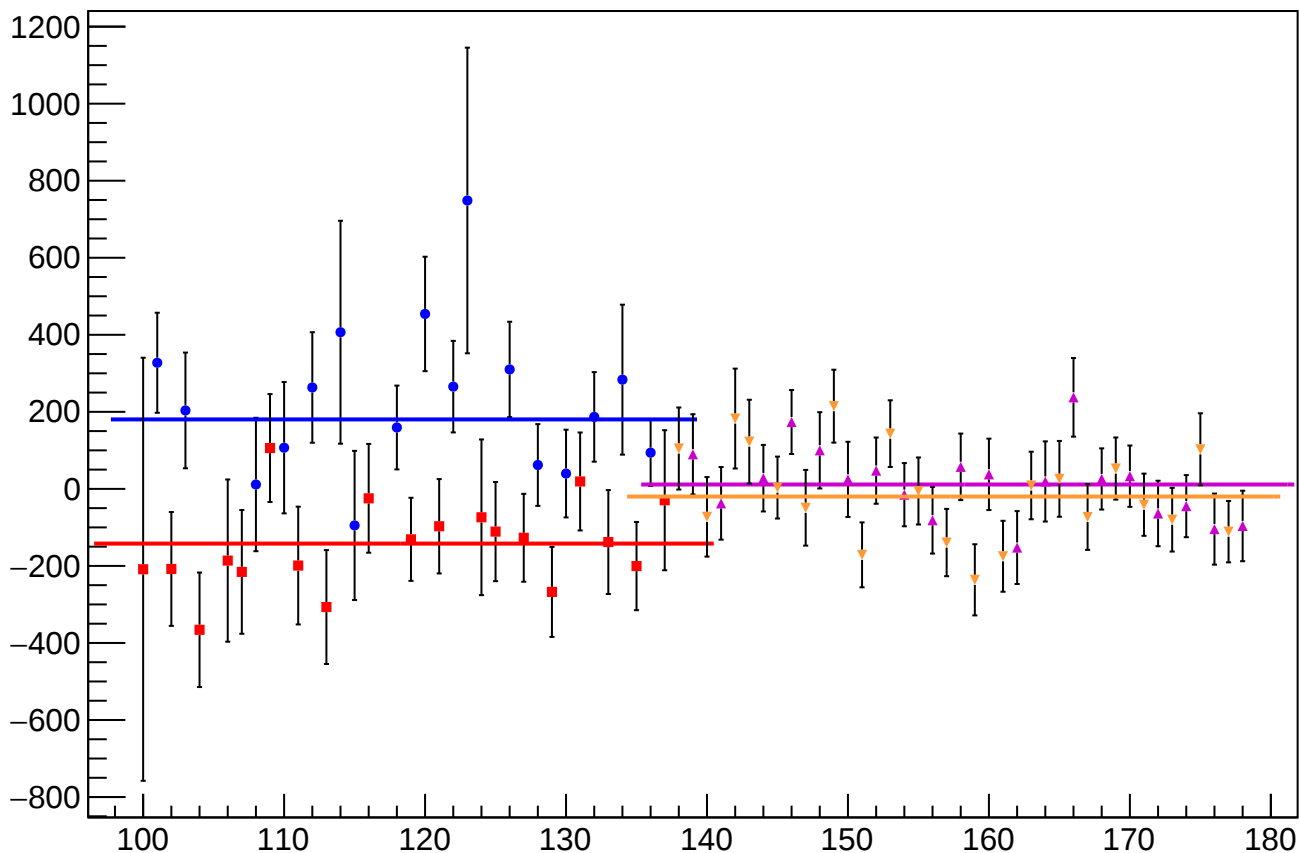
Left In: 305.731 $\pm$ 0.056 χ^2 /NDF:1129833.4/19

+ sign 332.609 $\pm$ 0.052 χ^2 /NDF: 3445991.9/37

All: 332.019 $\pm$ 0.036 χ^2 /NDF: 6828279.9/76

- sign 331.438 $\pm$ 0.051 χ^2 /NDF: 3382029.9/38

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326 ± 32.769 χ^2/NDF : 16.6/16

Left Out: -19.871 ± 19.746 χ^2/NDF : 34.3/20

Right Out: -142.040 ± 32.338 χ^2/NDF : 11.7/18

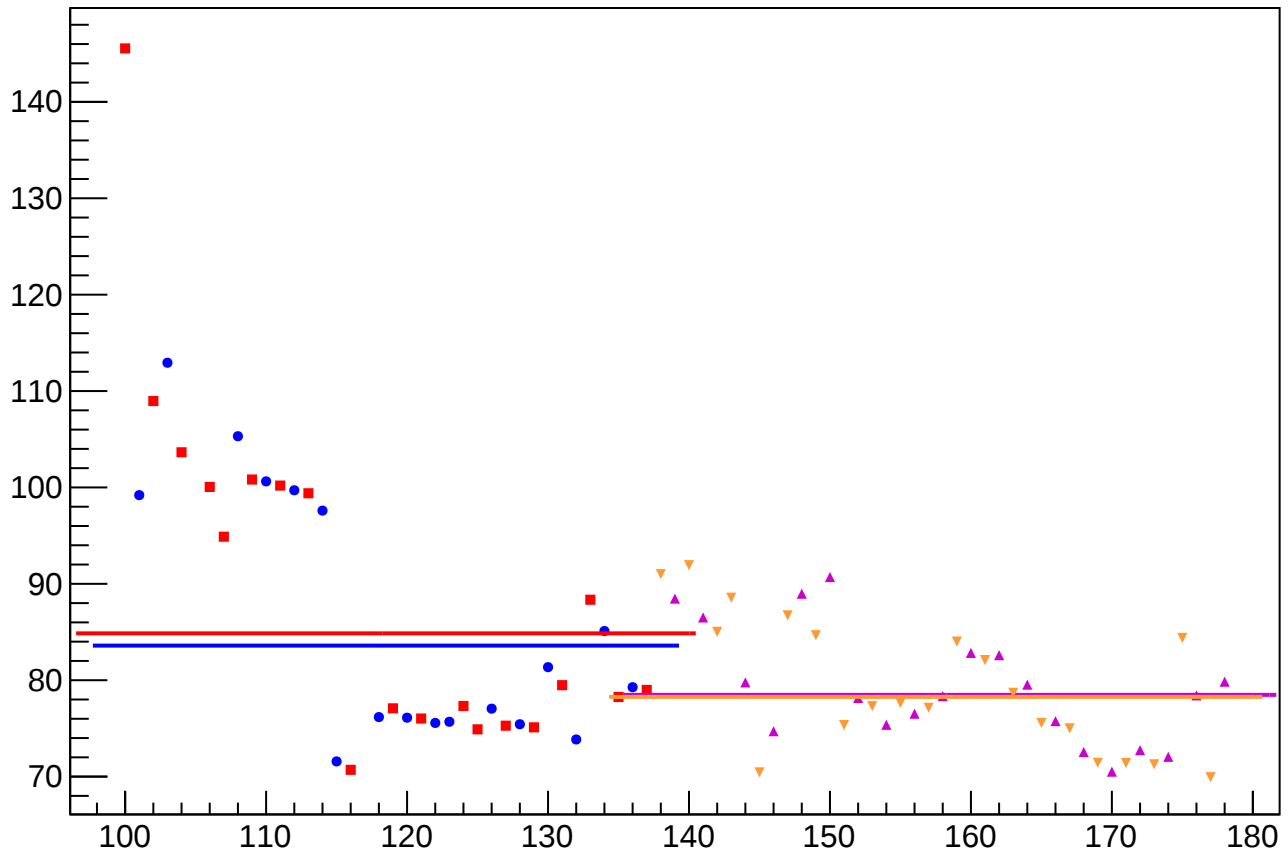
Left In: 11.380 ± 19.982 χ^2/NDF : 19.5/19

+ sign 33.459 ± 16.913 χ^2/NDF : 78.2/37

All: 1.386 ± 11.990 χ^2/NDF : 132.9/76

- sign -31.014 ± 16.999 χ^2/NDF : 47.5/38

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 78.270 $\pm$ 0.014 χ^2 /NDF: 222287.1/20

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

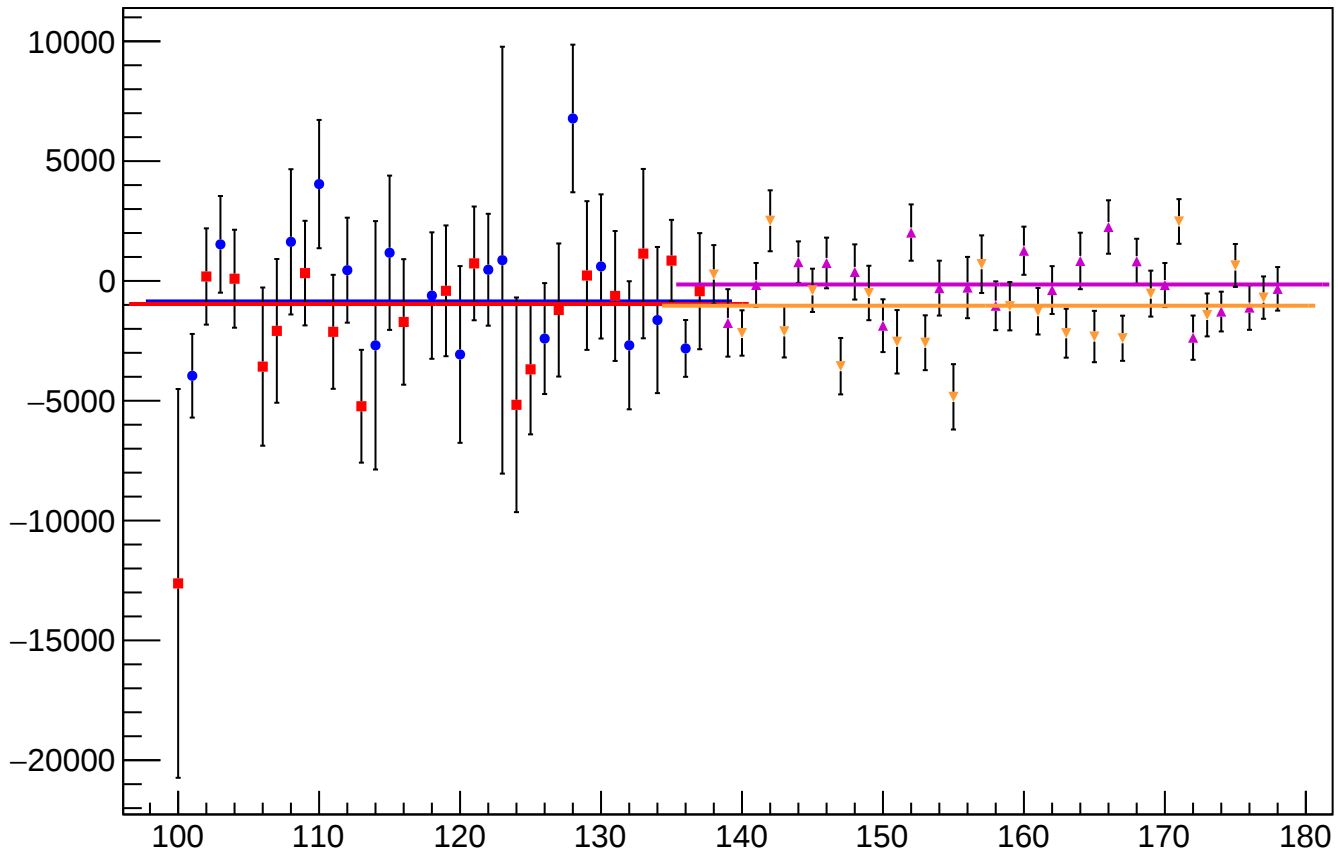
Left In: 78.482 $\pm$ 0.014 χ^2 /NDF: 158573.2/19

+ sign 79.687 $\pm$ 0.012 χ^2 /NDF: 516896.7/37

All: 79.964 $\pm$ 0.008 χ^2 /NDF: 1023485.0/76

- sign 80.244 $\pm$ 0.012 χ^2 /NDF: 505508.0/38

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 ± 583.290 χ^2/NDF : 20.3/16

Left Out: -1033.474 ± 226.220 χ^2/NDF : 52.8/20

Right Out: -962.932 ± 589.071 χ^2/NDF : 11.5/18

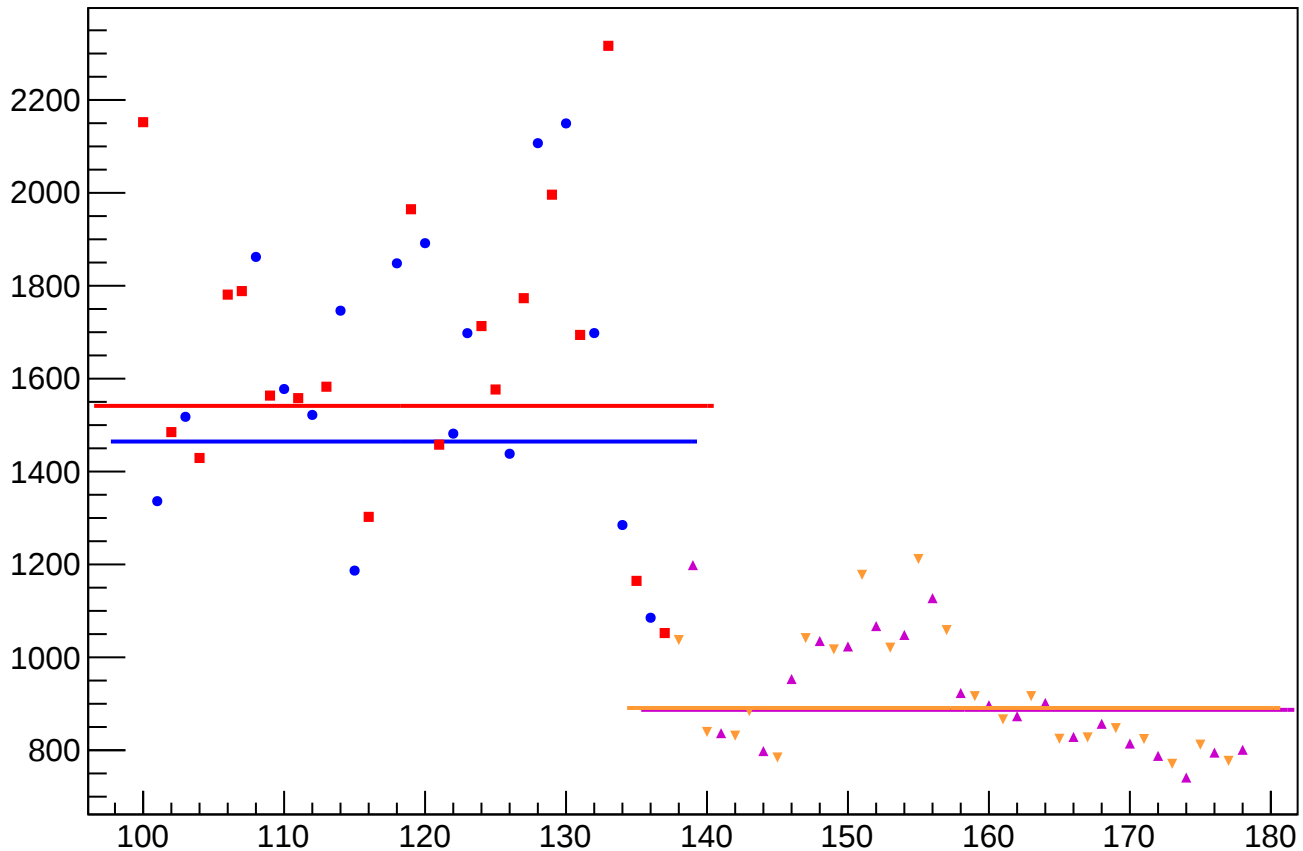
Left In: -148.142 ± 227.051 χ^2/NDF : 27.2/19

+ sign -1010.179 ± 210.913 χ^2/NDF : 73.2/37

All: -633.547 ± 149.471 χ^2/NDF : 119.9/76

- sign -253.533 ± 211.858 χ^2/NDF : 40.4/38

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636+/-0.412 χ^2/NDF : 560863.4/16

Left Out: 890.957+/-0.160 χ^2/NDF : 512891.0/20

Right Out: 1541.388+/-0.417 χ^2/NDF : 453710.5/18

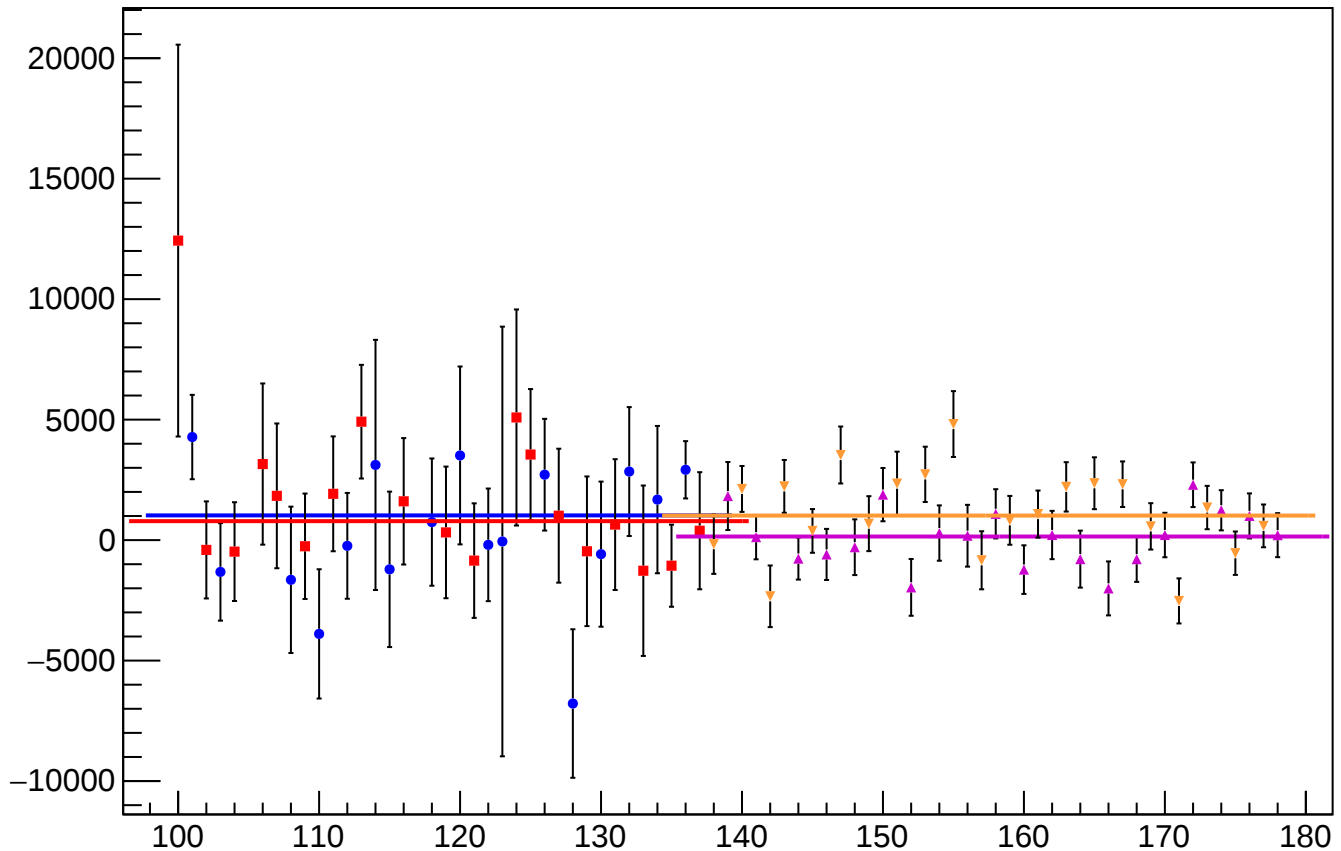
Left In: 886.961+/-0.161 χ^2/NDF : 499803.8/19

+ sign 965.965+/-0.149 χ^2/NDF : 2755434.4/37

All: 968.774+/-0.106 χ^2/NDF : 5858792.4/76

- sign 971.609+/-0.150 χ^2/NDF : 3102645.1/38

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1018.619 $\pm$ 227.157 χ^2 /NDF: 51.6/20

Right Out: 787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

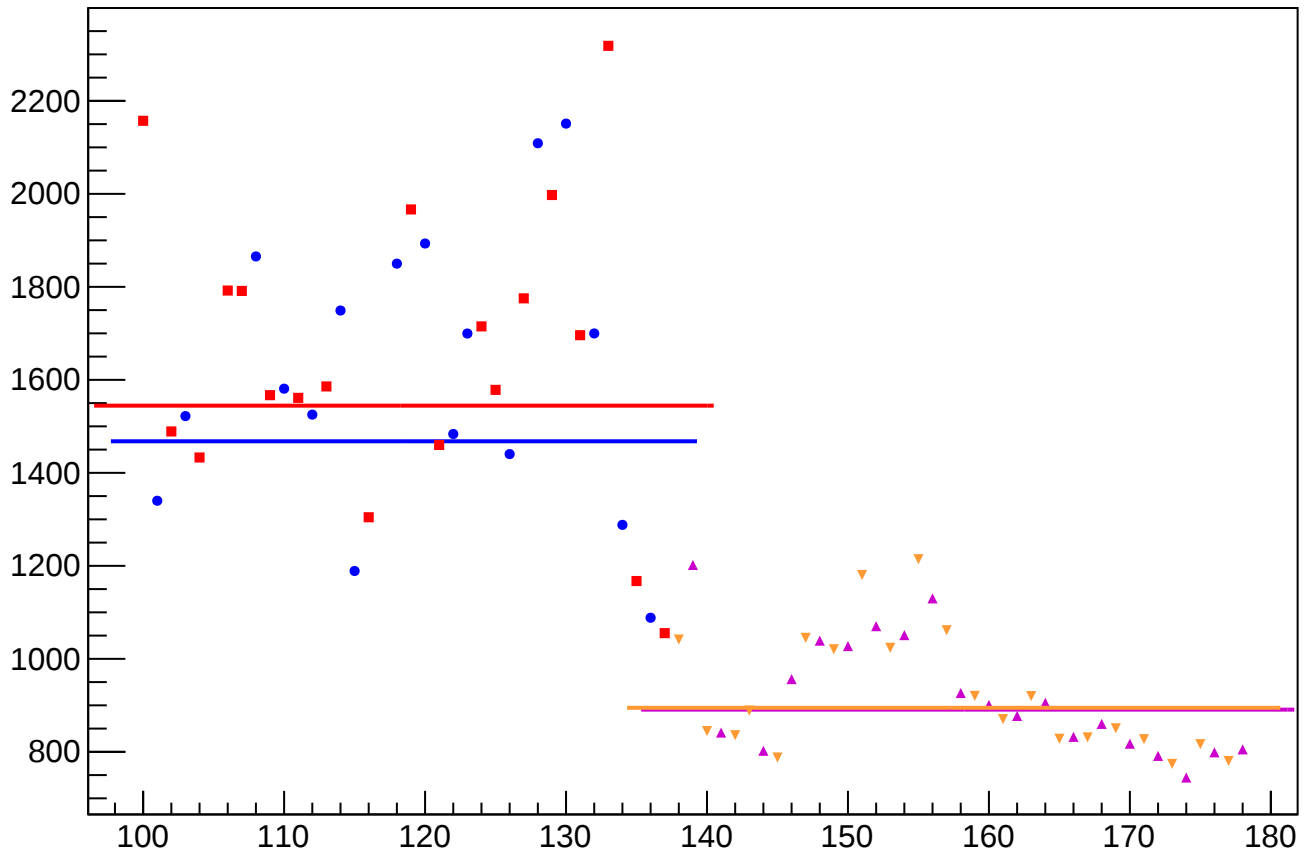
Left In: 149.126 $\pm$ 227.999 χ^2 /NDF: 24.8/19

+ sign 1019.525 $\pm$ 211.729 χ^2 /NDF: 72.5/37

All: 627.501 $\pm$ 150.054 χ^2 /NDF: 116.4/76

- sign 231.913 $\pm$ 212.690 χ^2 /NDF: 37.0/38

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 894.753+/-0.161 χ^2/NDF : 507923.6/20

Right Out: 1544.513+/-0.417 χ^2/NDF : 451805.9/18

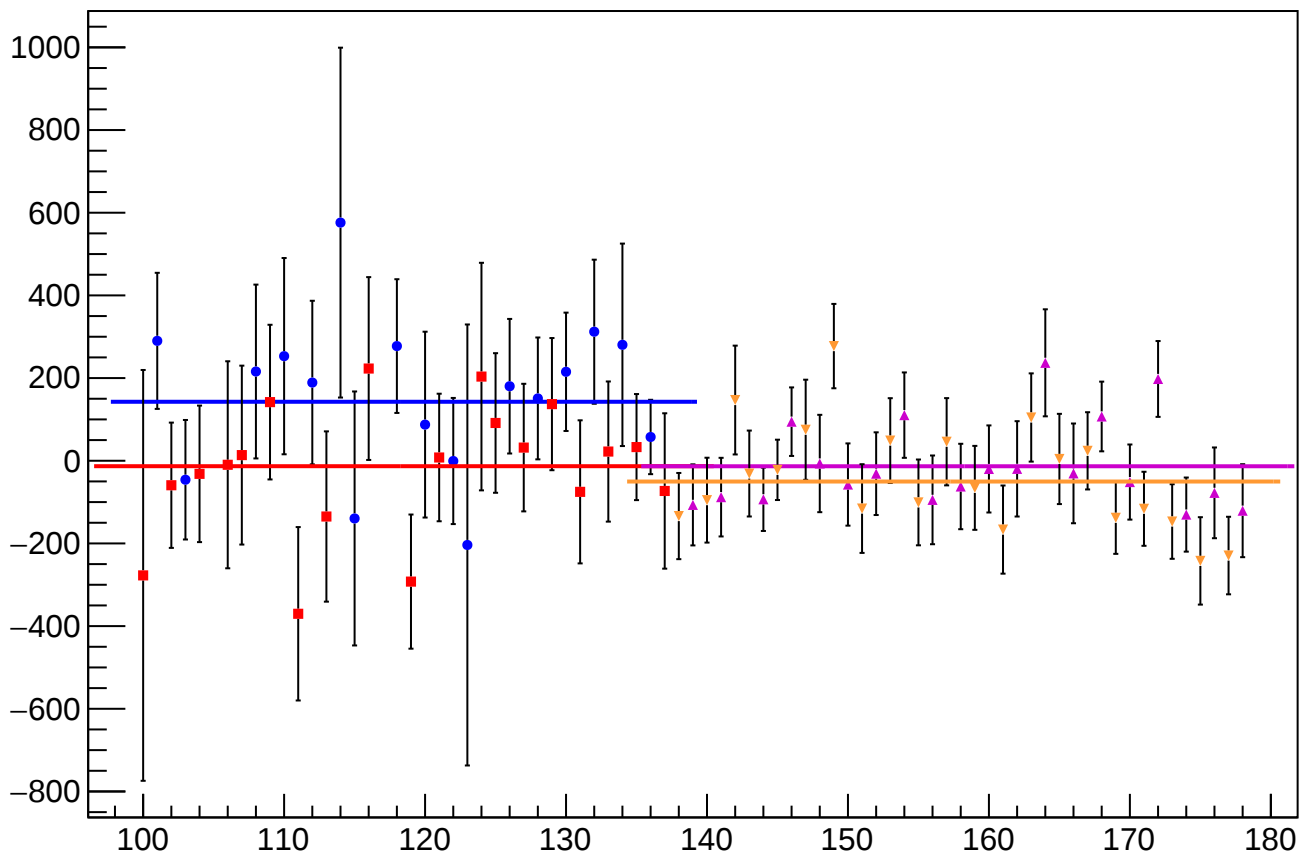
Left In: 890.765+/-0.161 χ^2/NDF : 494434.5/19

+ sign 969.961+/-0.150 χ^2/NDF : 2736135.7/37

All: 972.773+/-0.106 χ^2/NDF : 5817134.5/76

- sign 975.610+/-0.150 χ^2/NDF : 3080290.1/38

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 ± 41.625 χ^2/NDF : 9.3/16

Left Out: -50.258 ± 21.784 χ^2/NDF : 30.9/20

Right Out: -13.177 ± 41.396 χ^2/NDF : 10.8/18

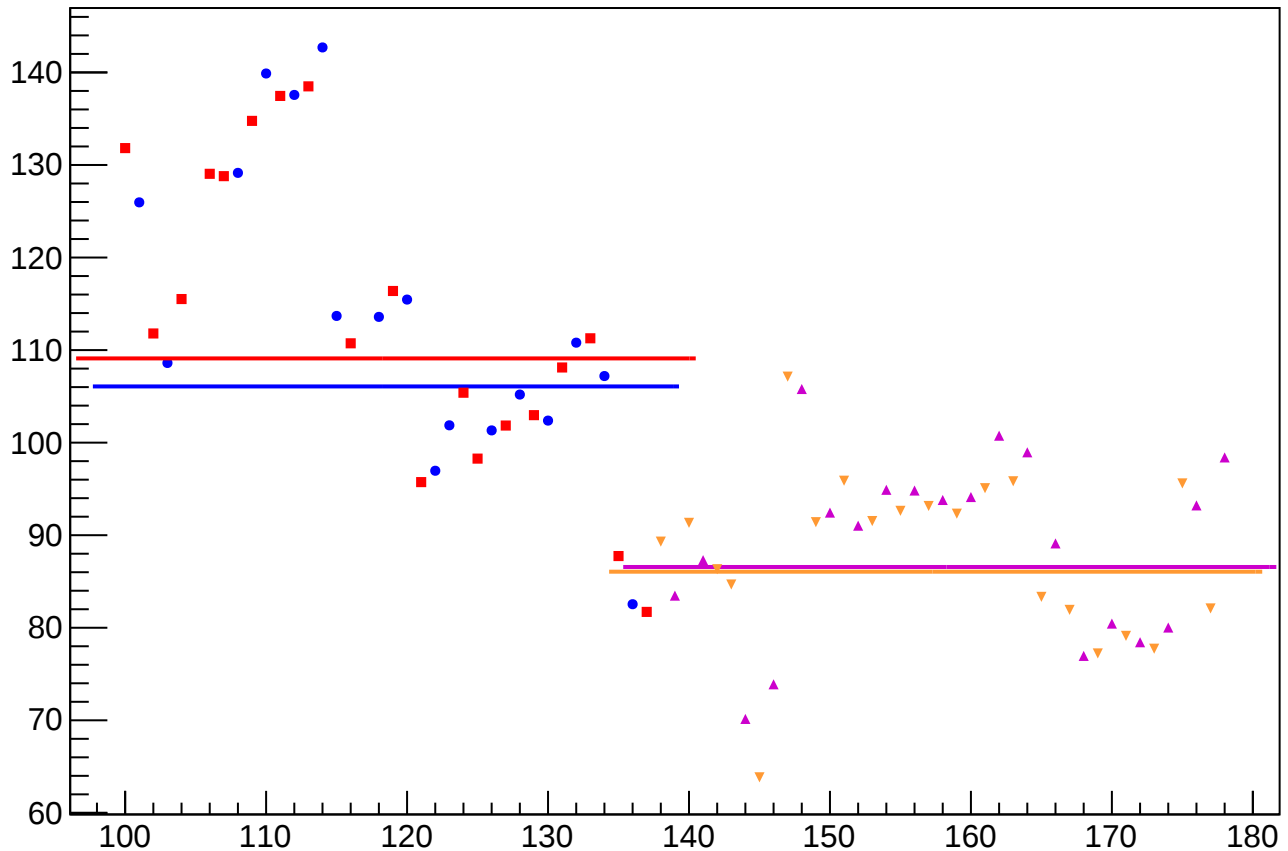
Left In: -13.322 ± 22.146 χ^2/NDF : 21.0/19

+ sign -8.776 ± 19.301 χ^2/NDF : 57.0/37

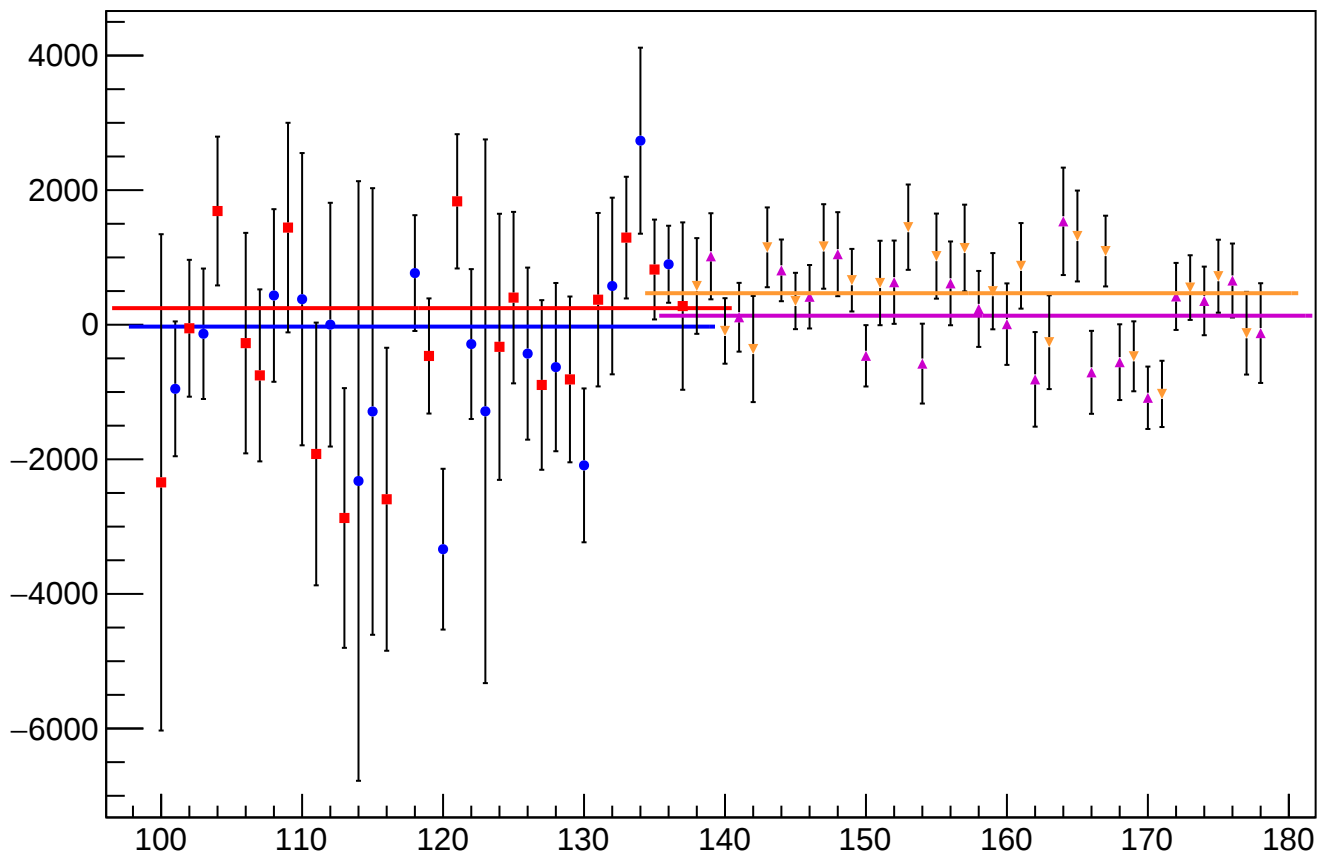
All: -11.007 ± 13.727 χ^2/NDF : 88.9/76

- sign -13.290 ± 19.527 χ^2/NDF : 31.8/38

reg_asym_sam_26_48_dd_rms vs Slug



asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 $\pm$ 283.741 χ^2/NDF : 20.5/16

Left Out: 468.424 $\pm$ 123.901 χ^2/NDF : 27.7/20

Right Out: 246.386 $\pm$ 279.451 χ^2/NDF : 15.9/18

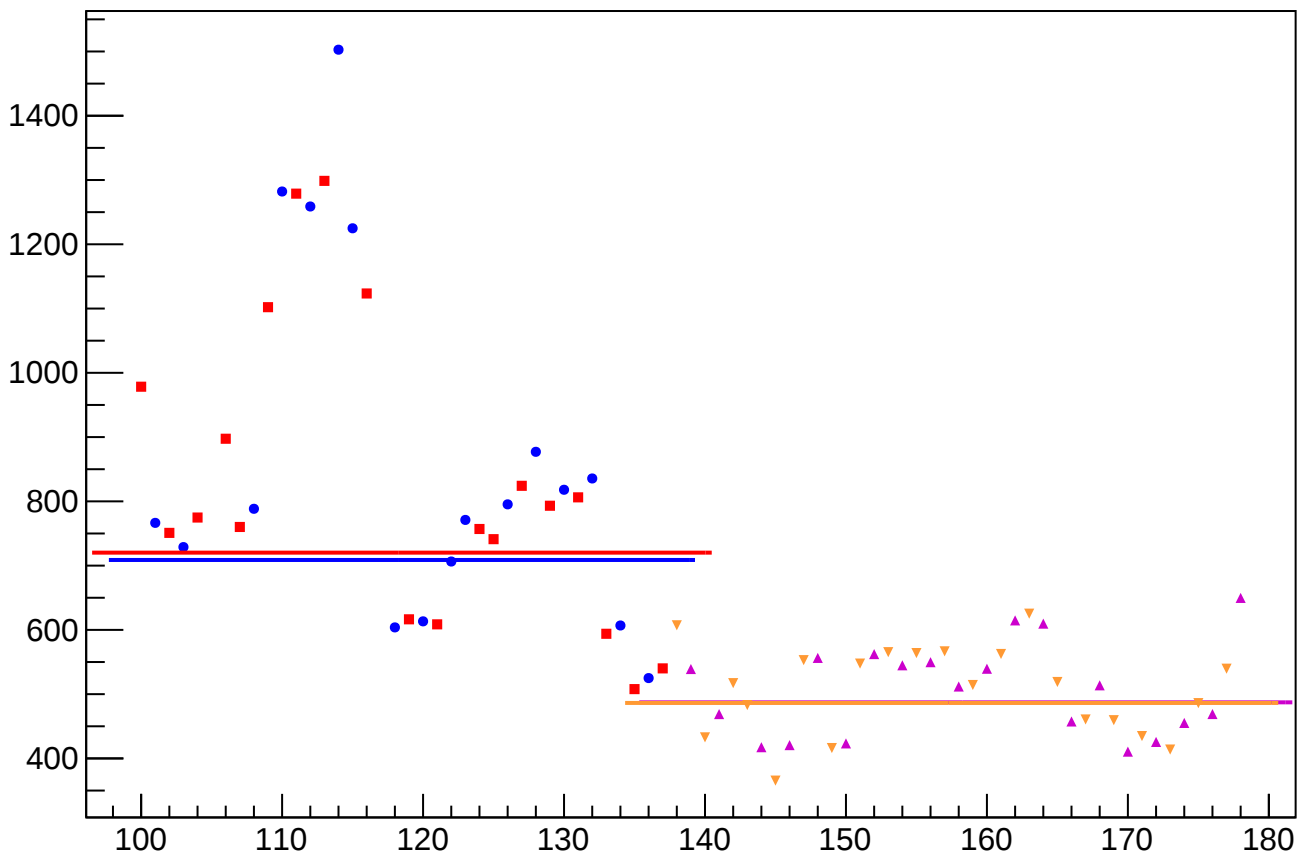
Left In: 133.987 $\pm$ 125.144 χ^2/NDF : 27.8/19

+ sign 388.930 $\pm$ 113.547 χ^2/NDF : 50.8/37

All: 271.538 $\pm$ 80.525 χ^2/NDF : 96.7/76

- sign 152.763 $\pm$ 114.214 χ^2/NDF : 43.8/38

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 486.344 $\pm$ 0.088 χ^2 /NDF: 641531.8/20

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

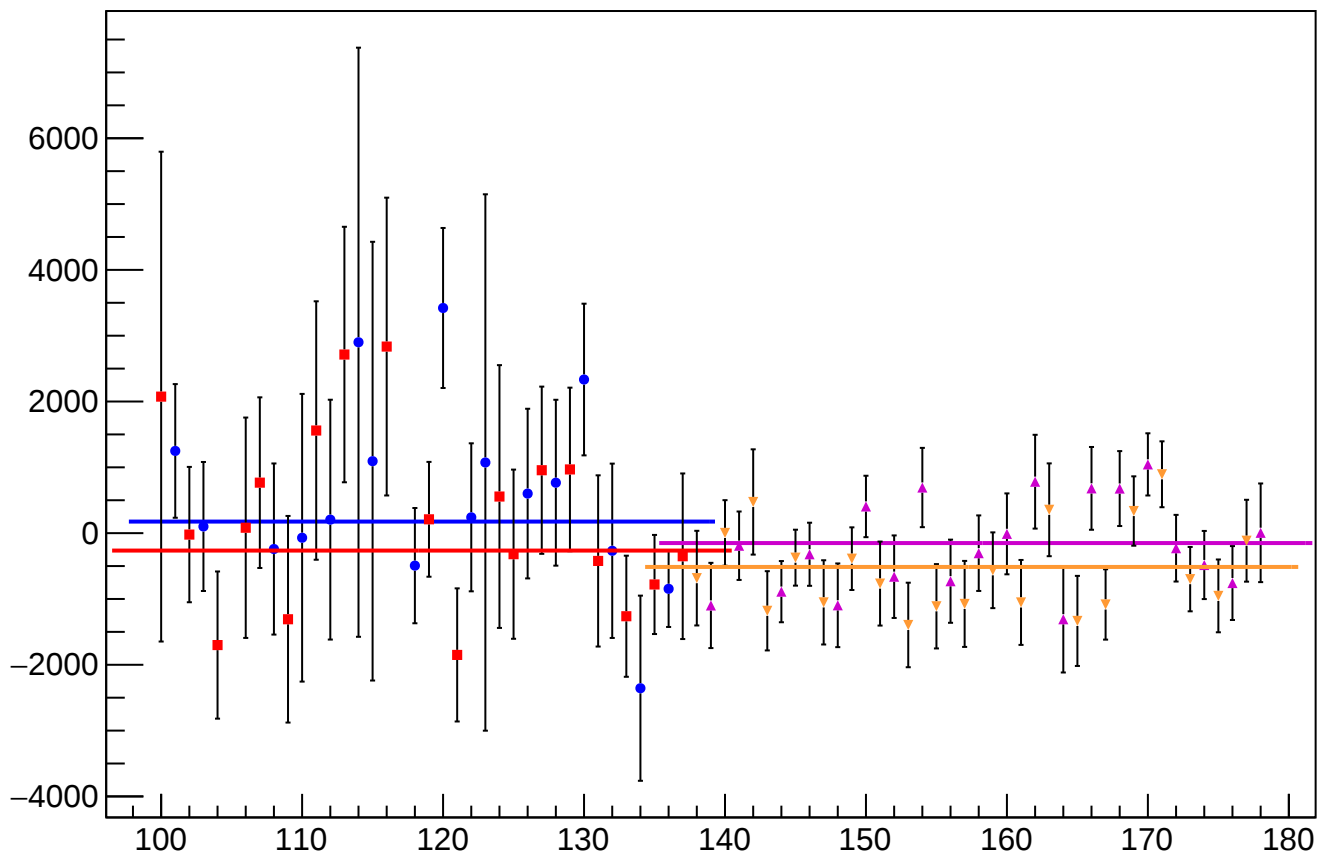
Left In: 487.258 $\pm$ 0.088 χ^2 /NDF: 566554.7/19

+ sign 521.966 $\pm$ 0.080 χ^2 /NDF: 2467394.6/37

All: 524.056 $\pm$ 0.057 χ^2 /NDF: 5092795.3/76

- sign 526.170 $\pm$ 0.081 χ^2 /NDF: 2624038.2/38

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -513.419 $\pm$ 125.943 χ^2 /NDF: 24.9/20

Right Out: -264.622 $\pm$ 283.074 χ^2 /NDF: 14.8/18

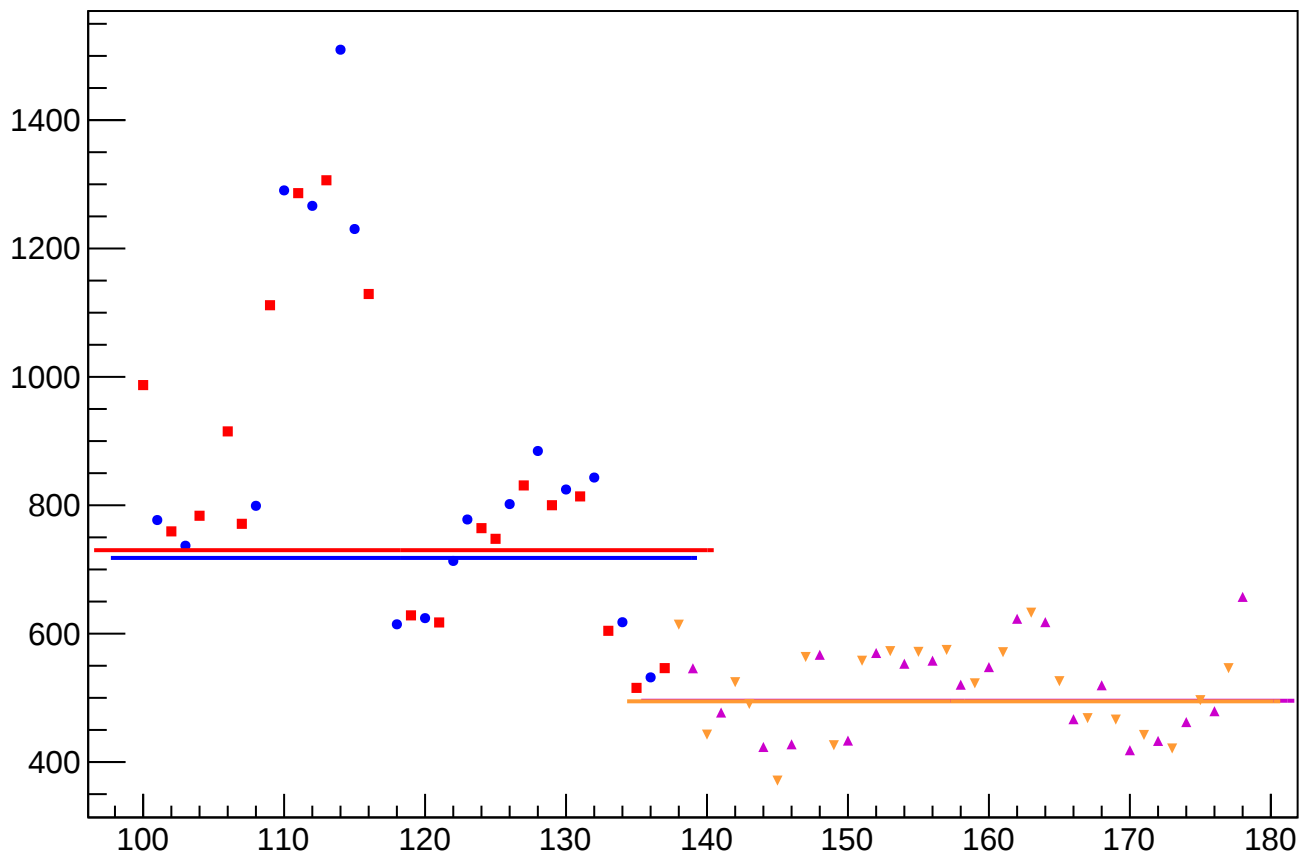
Left In: -150.572 $\pm$ 127.212 χ^2 /NDF: 27.7/19

+ sign -402.262 $\pm$ 115.342 χ^2 /NDF: 49.5/37

All: -286.694 $\pm$ 81.802 χ^2 /NDF: 94.1/76

- sign -169.735 $\pm$ 116.034 χ^2 /NDF: 42.6/38

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 494.592 $\pm$ 0.089 χ^2 /NDF: 626742.5/20

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

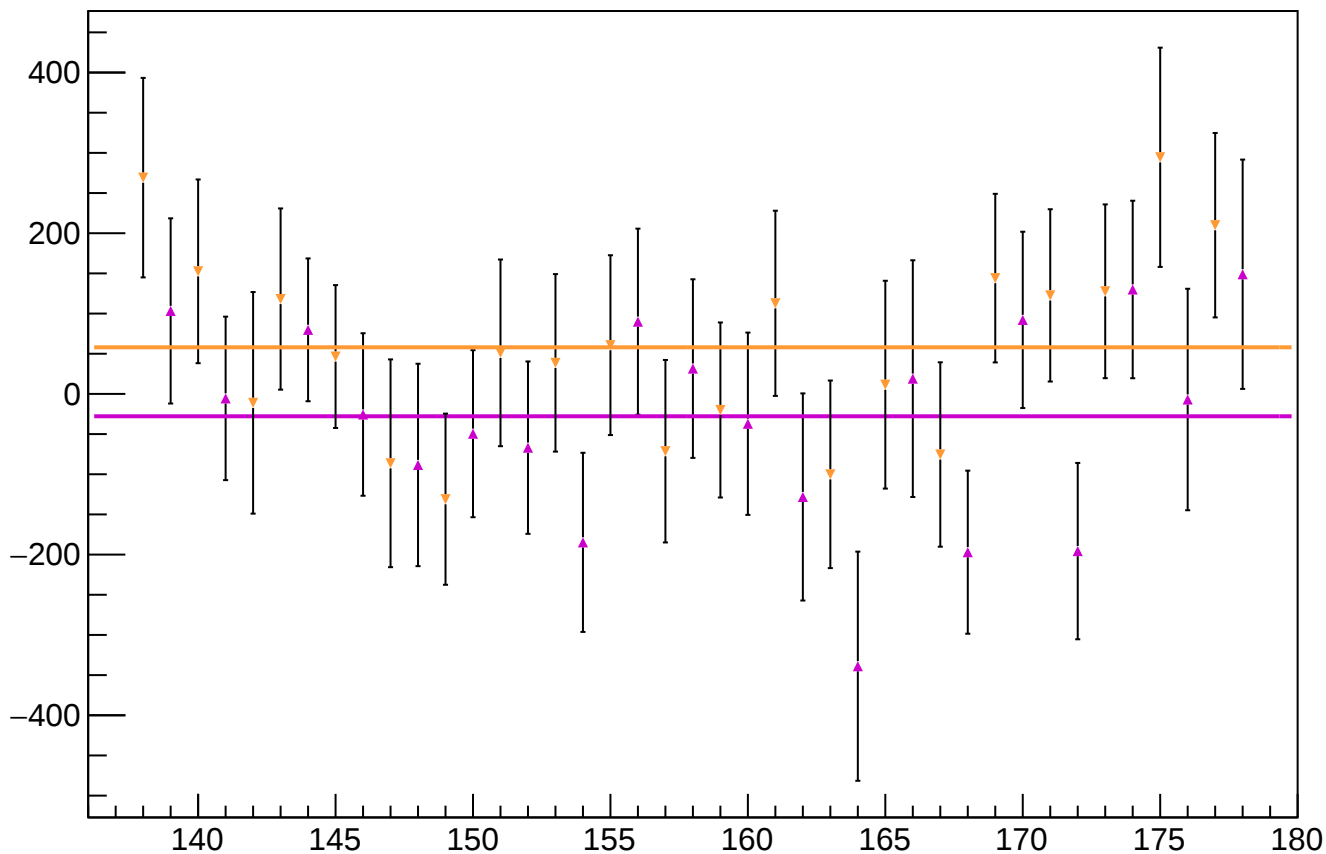
Left In: 495.486 $\pm$ 0.090 χ^2 /NDF: 552607.2/19

+ sign 530.616 $\pm$ 0.082 χ^2 /NDF: 2419987.2/37

All: 532.743 $\pm$ 0.058 χ^2 /NDF: 4998232.0/76

- sign 534.896 $\pm$ 0.082 χ^2 /NDF: 2576876.1/38

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 58.023 $\pm$ 24.829 χ^2 /NDF:20.1/20

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

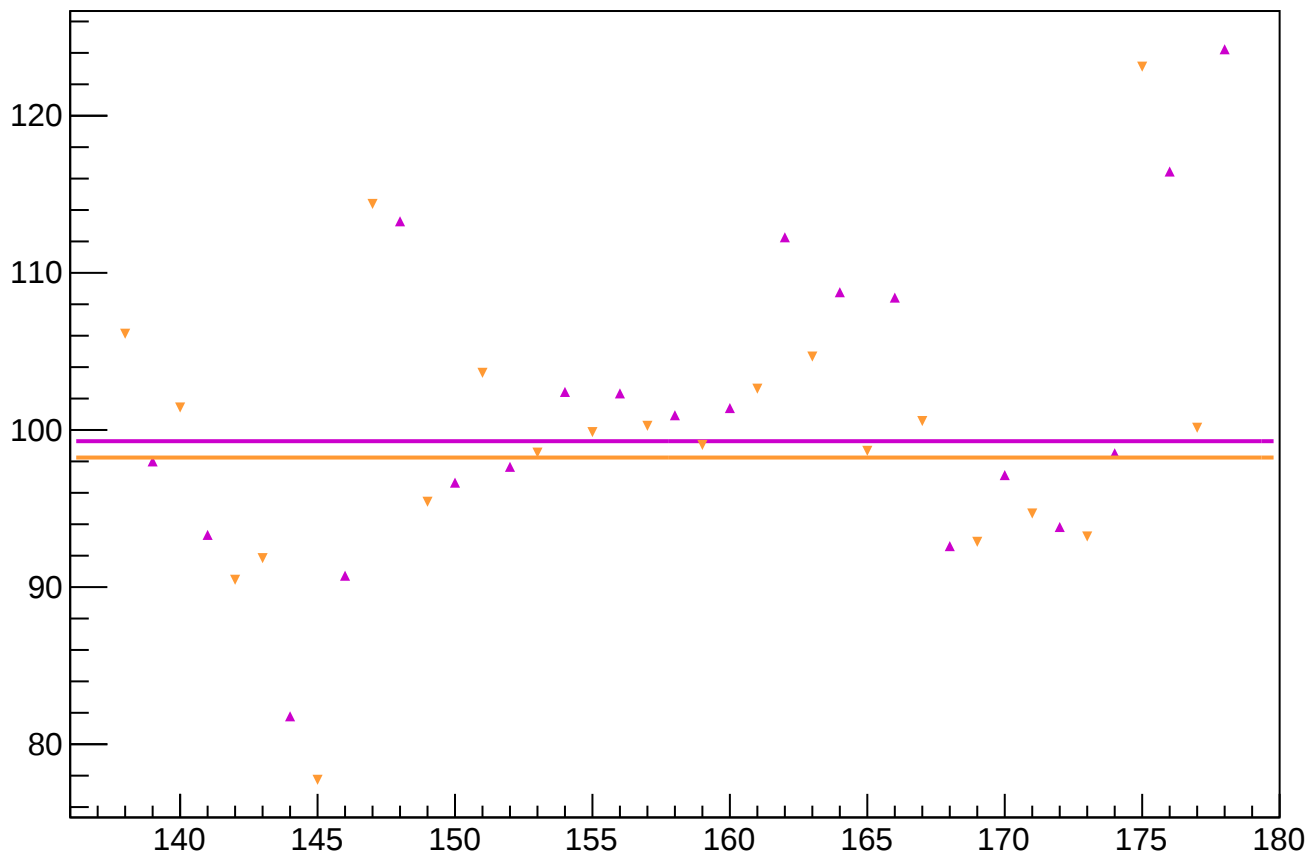
Left In: -27.839 $\pm$ 25.362 χ^2 /NDF:21.9/19

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

All: 16.004 $\pm$ 17.742 χ^2 /NDF: 47.9/40

- 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: 98.246+/-0.018 χ^2/NDF :255456.1/20

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

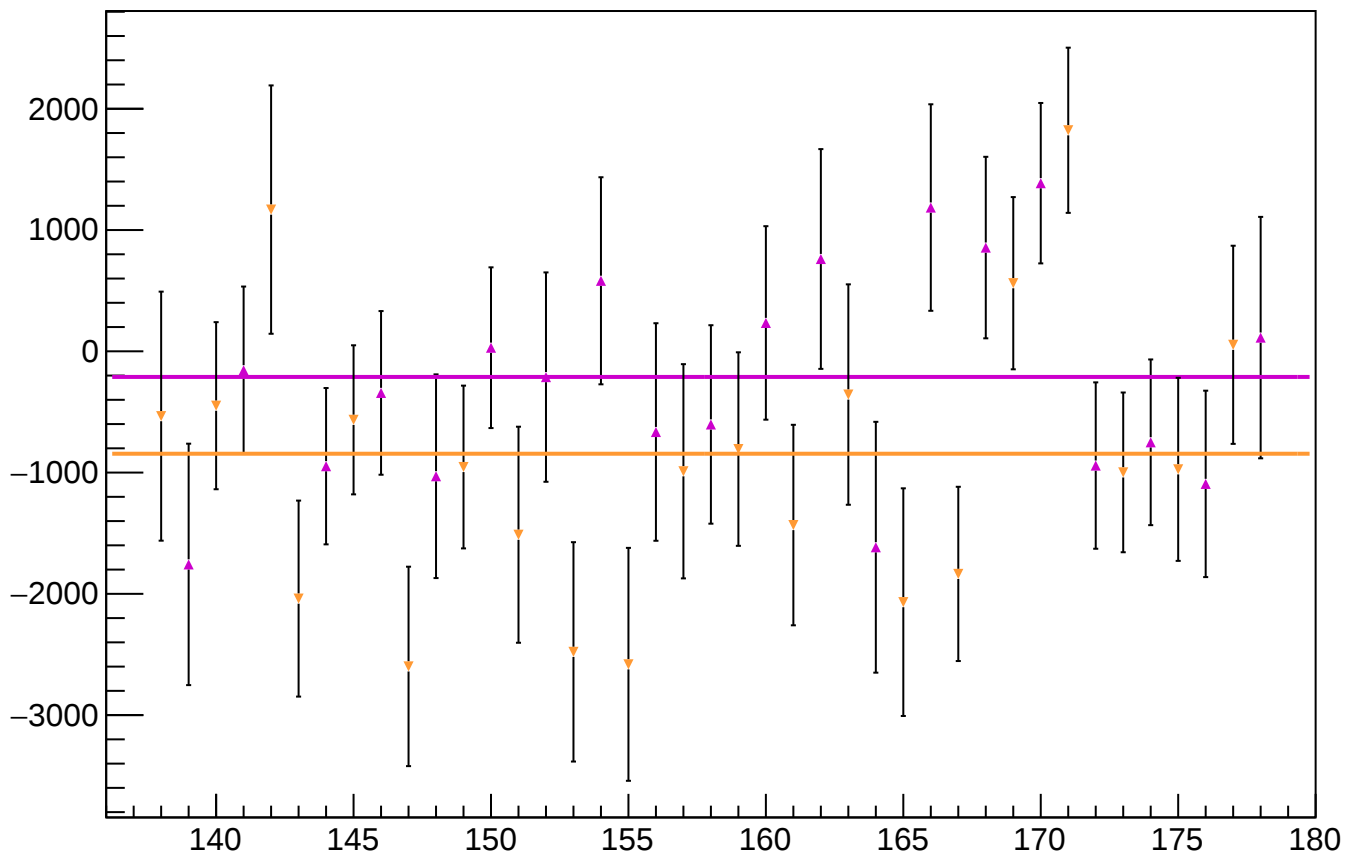
Left In: 99.287+/-0.018 χ^2/NDF :273002.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 98.755+/-0.013 χ^2/NDF : 530176.9/40

- 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: -844.601+/-172.135 χ^2/NDF : 43.3/20

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

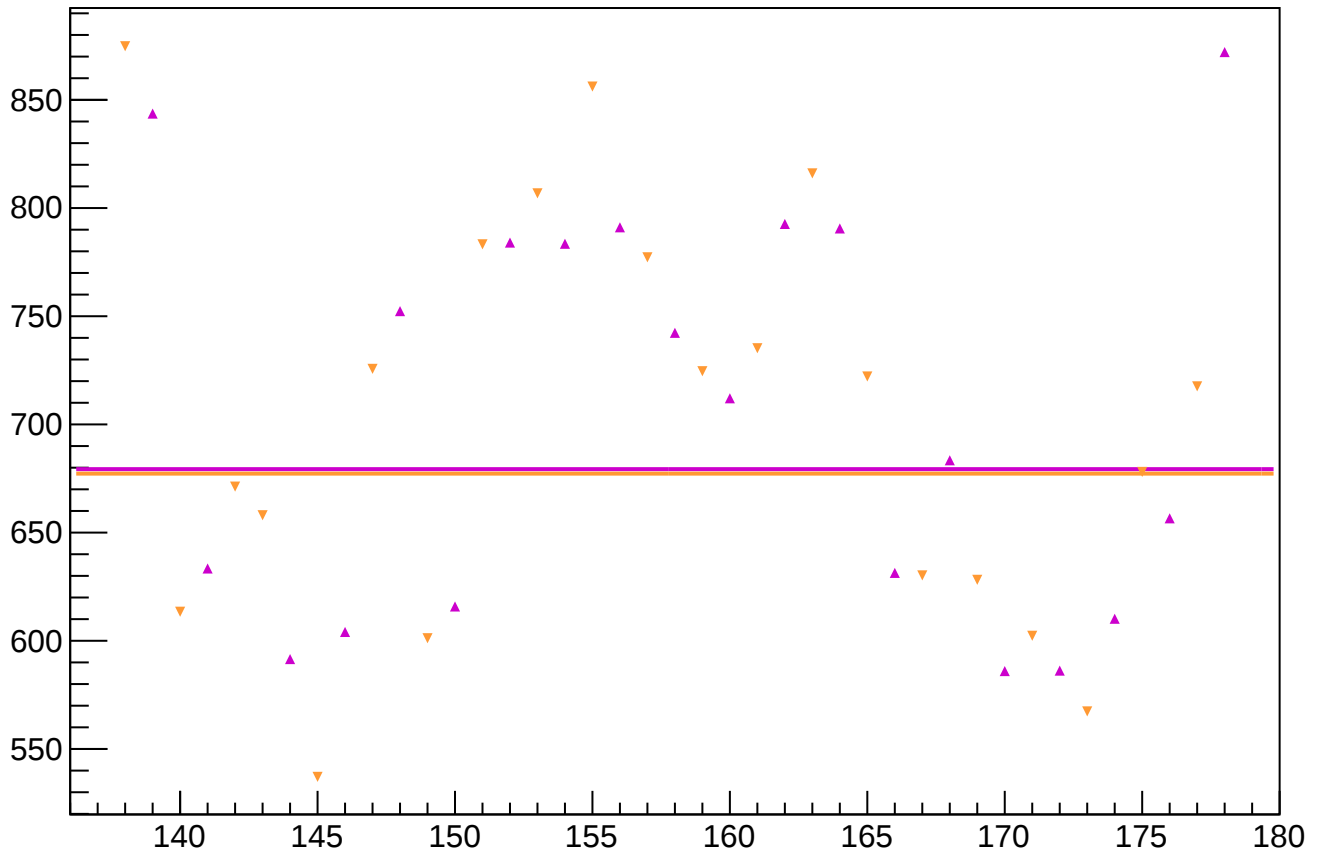
Left In: -211.340+/-174.083 χ^2/NDF : 23.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -531.534+/-122.401 χ^2/NDF : 73.3/40

- 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: 677.261+/-0.122 χ^2/NDF : 564319.0/20

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

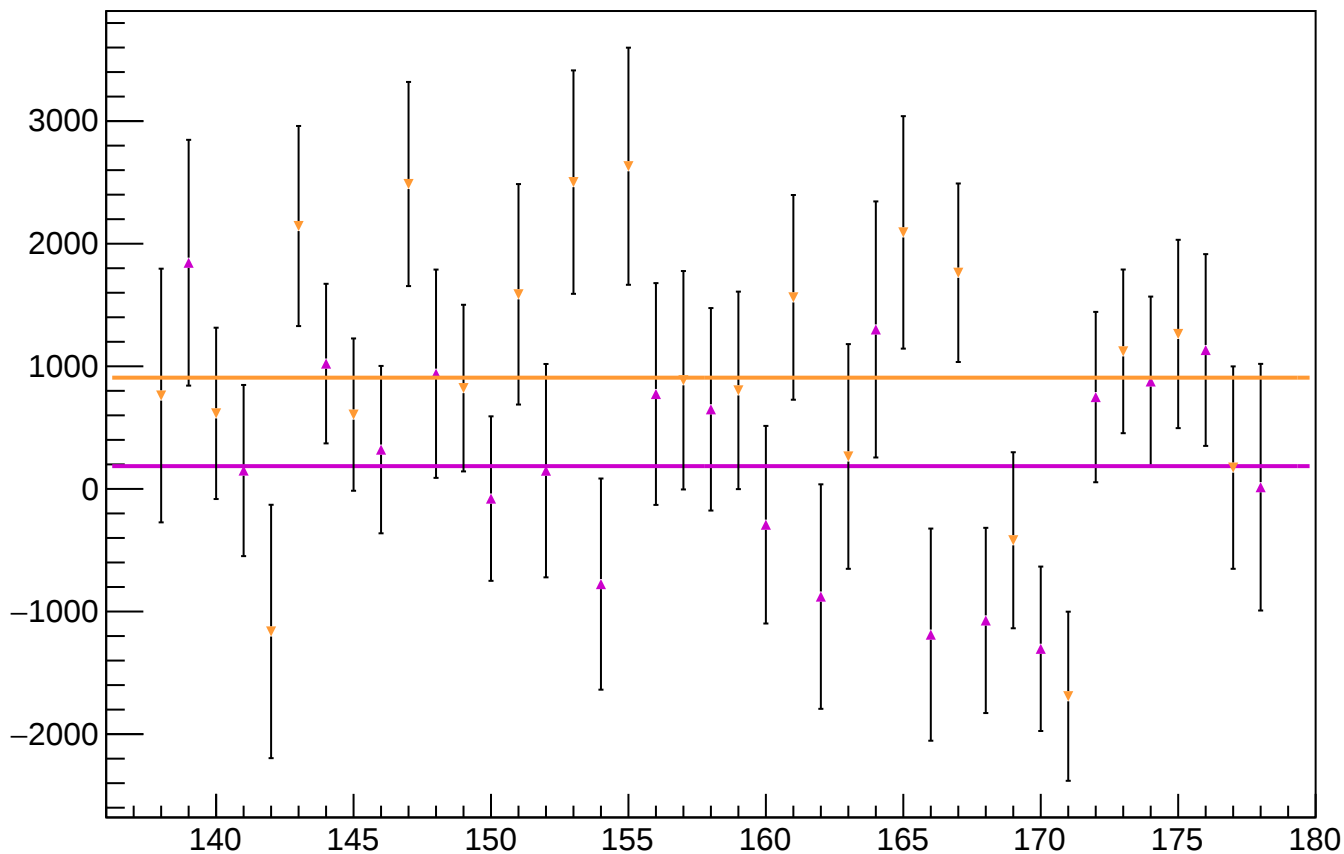
Left In: 679.326+/-0.123 χ^2/NDF : 498974.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 678.282+/-0.087 χ^2/NDF : 1063436.3/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_1548_avg_mean vs Slug



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

Left Out: 907.424 $\pm$ 174.055 χ^2 /NDF:40.0/20

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

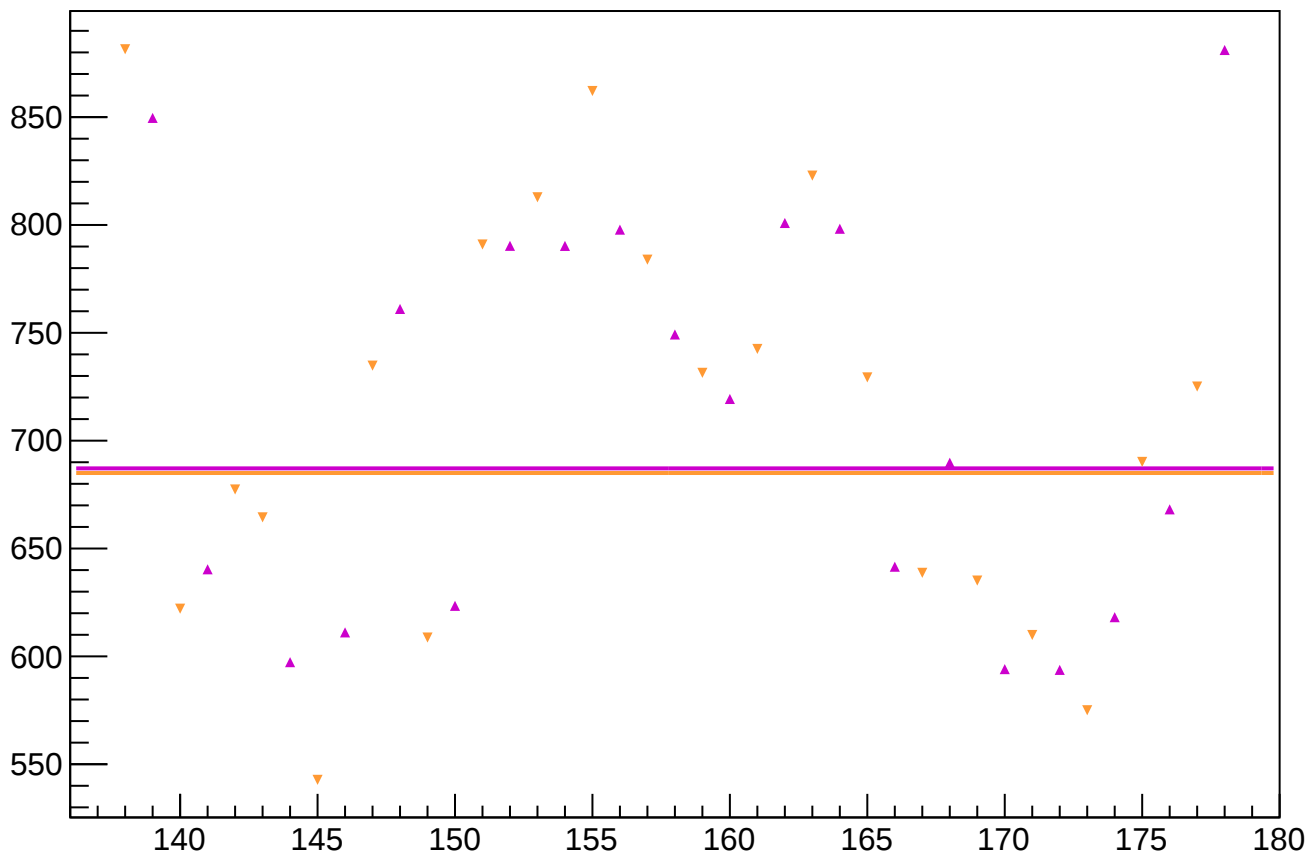
Left In: 185.832 $\pm$ 176.049 χ^2 /NDF:23.6/19

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

All: 550.739 $\pm$ 123.774 χ^2 /NDF: 72.0/40

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

asym_sam_1548_avg_rms vs Slug



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

Left Out: 685.009+/-0.123 χ^2/NDF : 552182.2/20

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

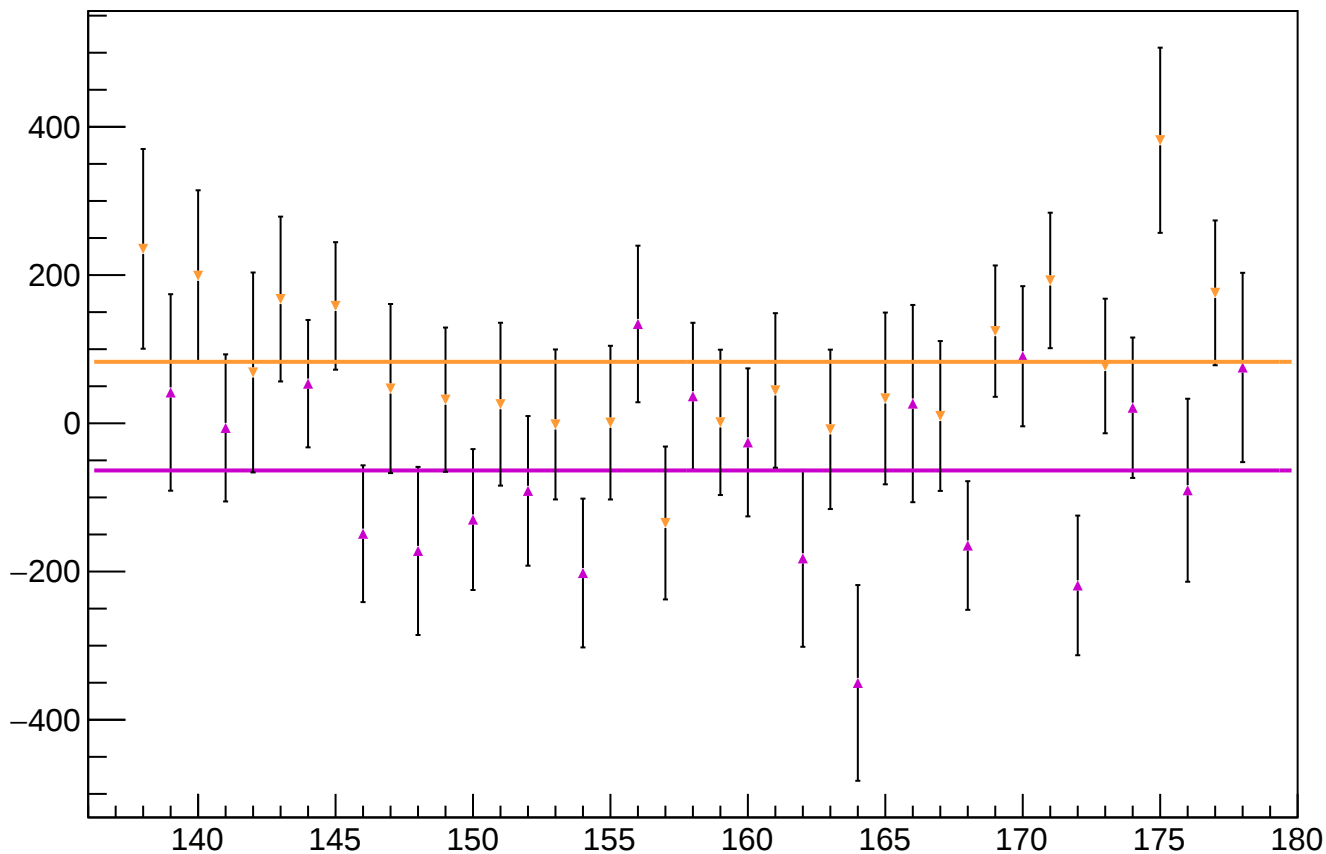
Left In: 687.154+/-0.124 χ^2/NDF : 488103.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 686.069+/-0.088 χ^2/NDF : 1040436.0/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 82.975+/-22.683 χ^2/NDF : 20.6/20

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

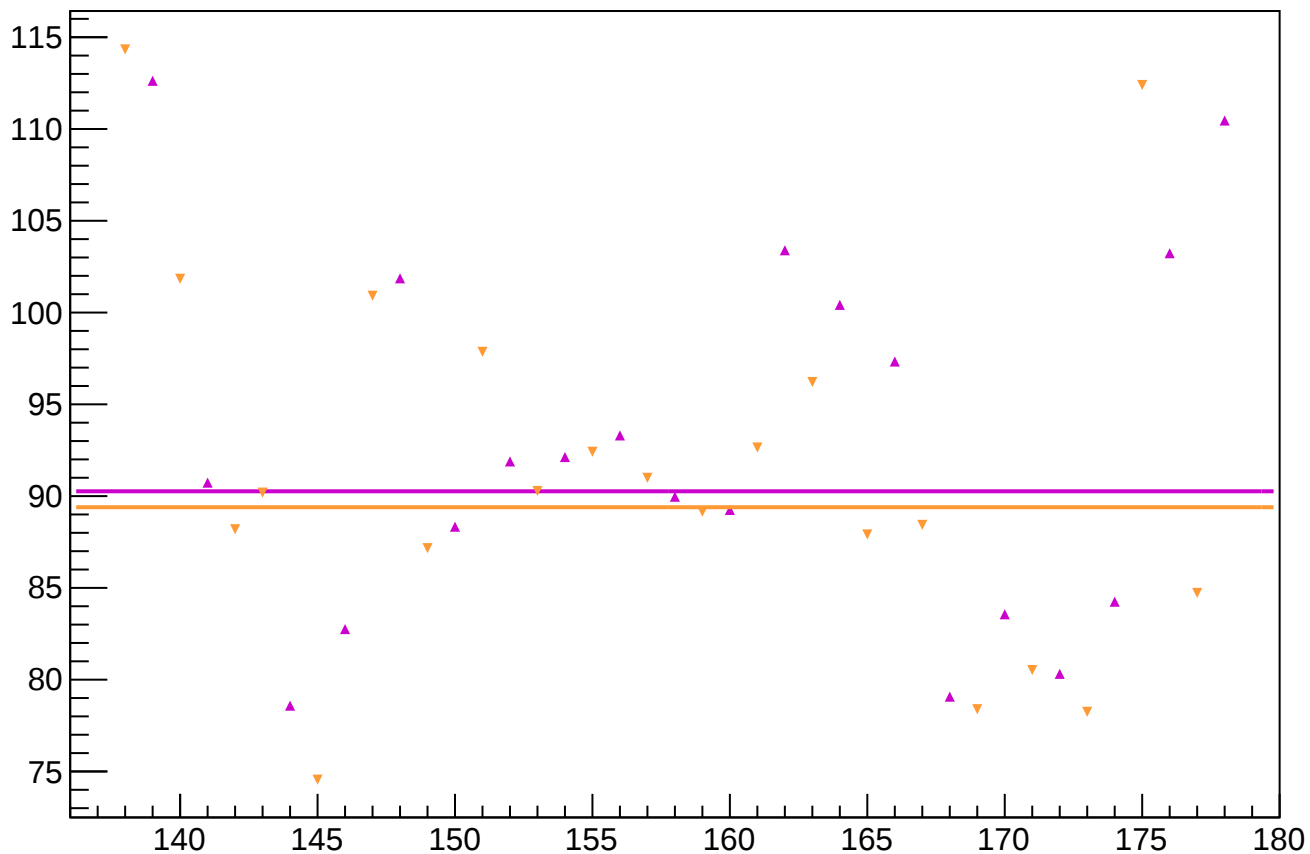
Left In: -63.618+/-23.133 χ^2/NDF : 26.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 11.116+/-16.196 χ^2/NDF : 67.7/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 89.394+/-0.016 χ^2/NDF : 350060.0/20

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

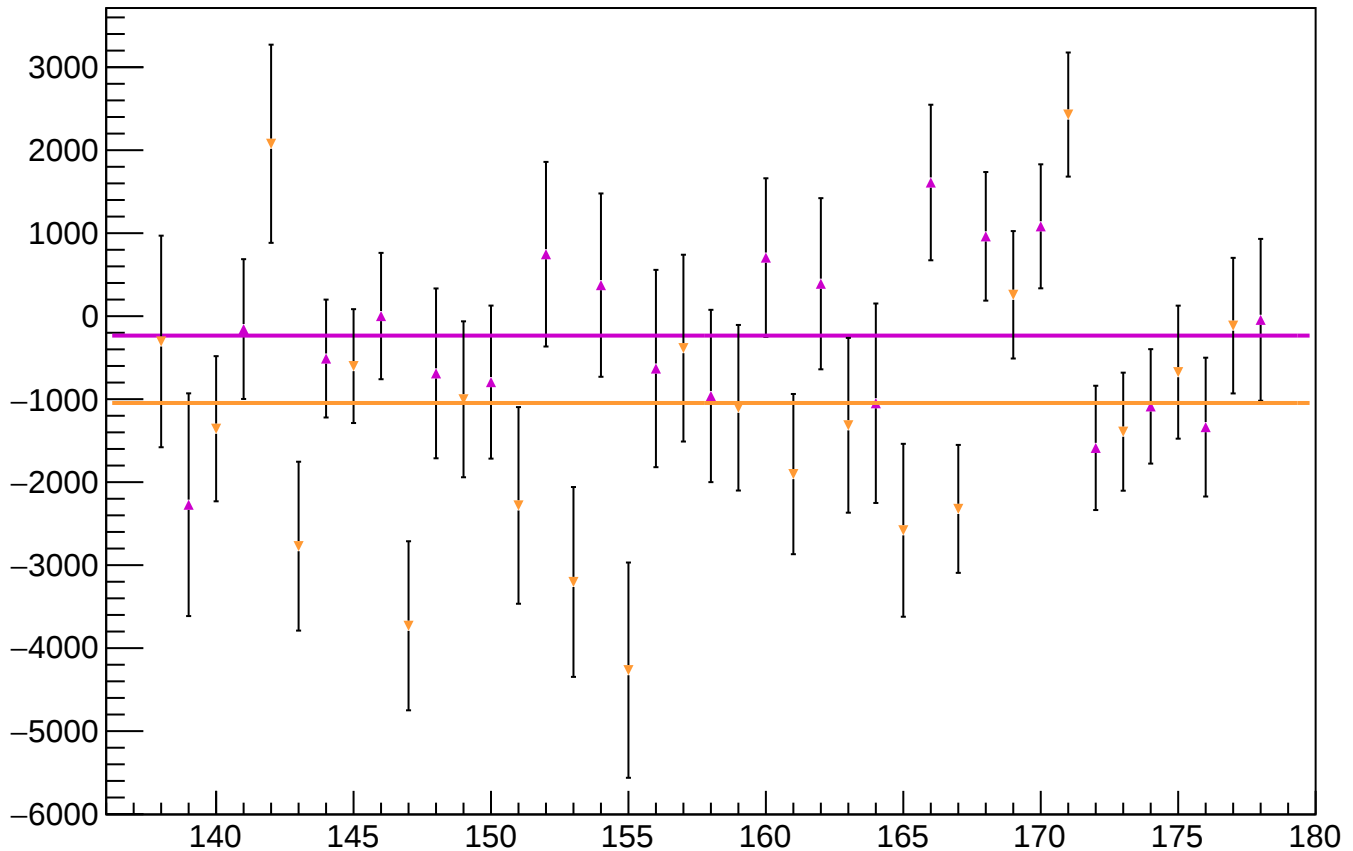
Left In: 90.263+/-0.016 χ^2/NDF : 319427.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 89.820+/-0.011 χ^2/NDF : 670924.2/40

- 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: -1045.969 $\pm$ 200.909 χ^2 /NDF:60.7/20

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

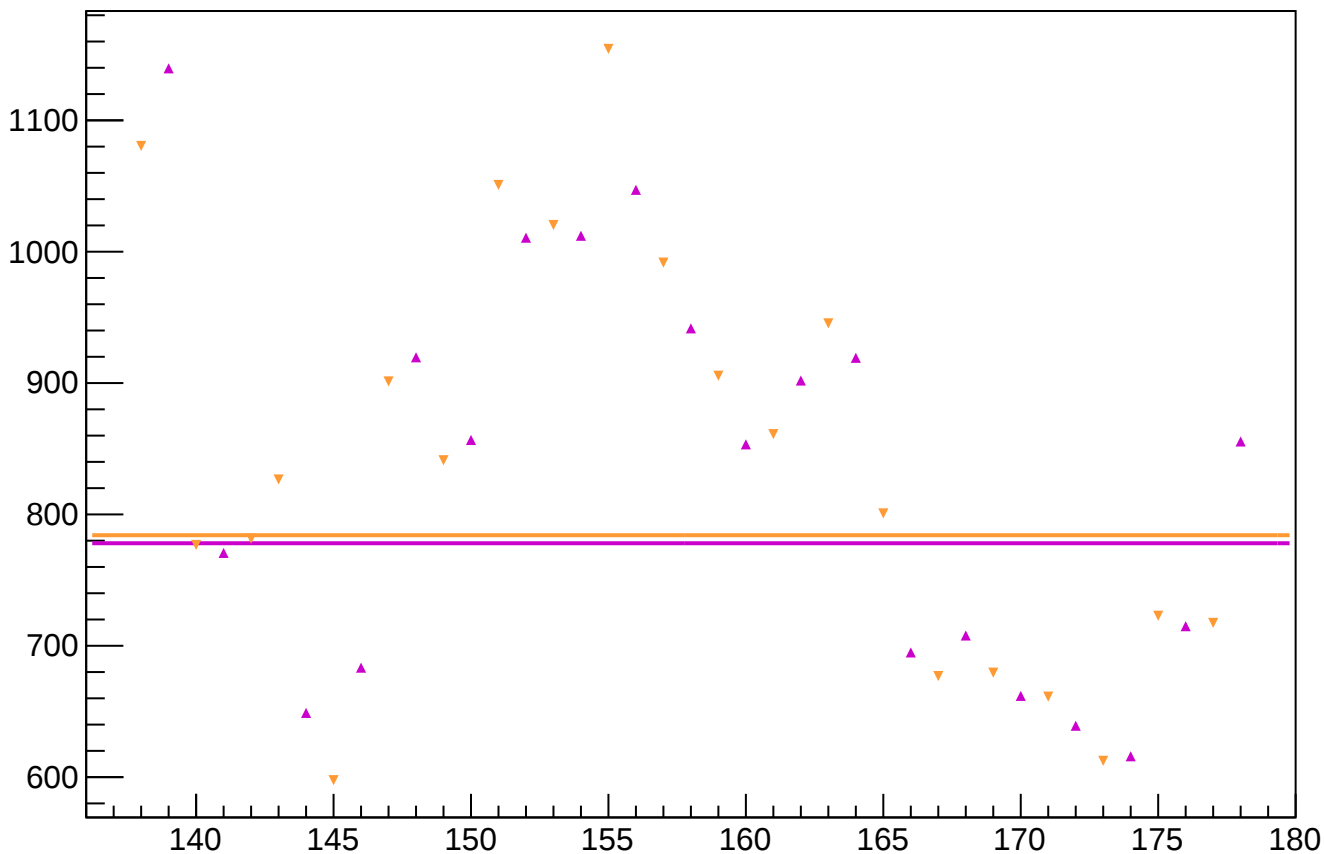
Left In: -234.074 $\pm$ 200.968 χ^2 /NDF:22.5/19

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

All: -640.140 $\pm$ 142.085 χ^2 /NDF: 91.4/40

- 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: 784.174+/-0.142 χ^2/NDF :1072107.5/20

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

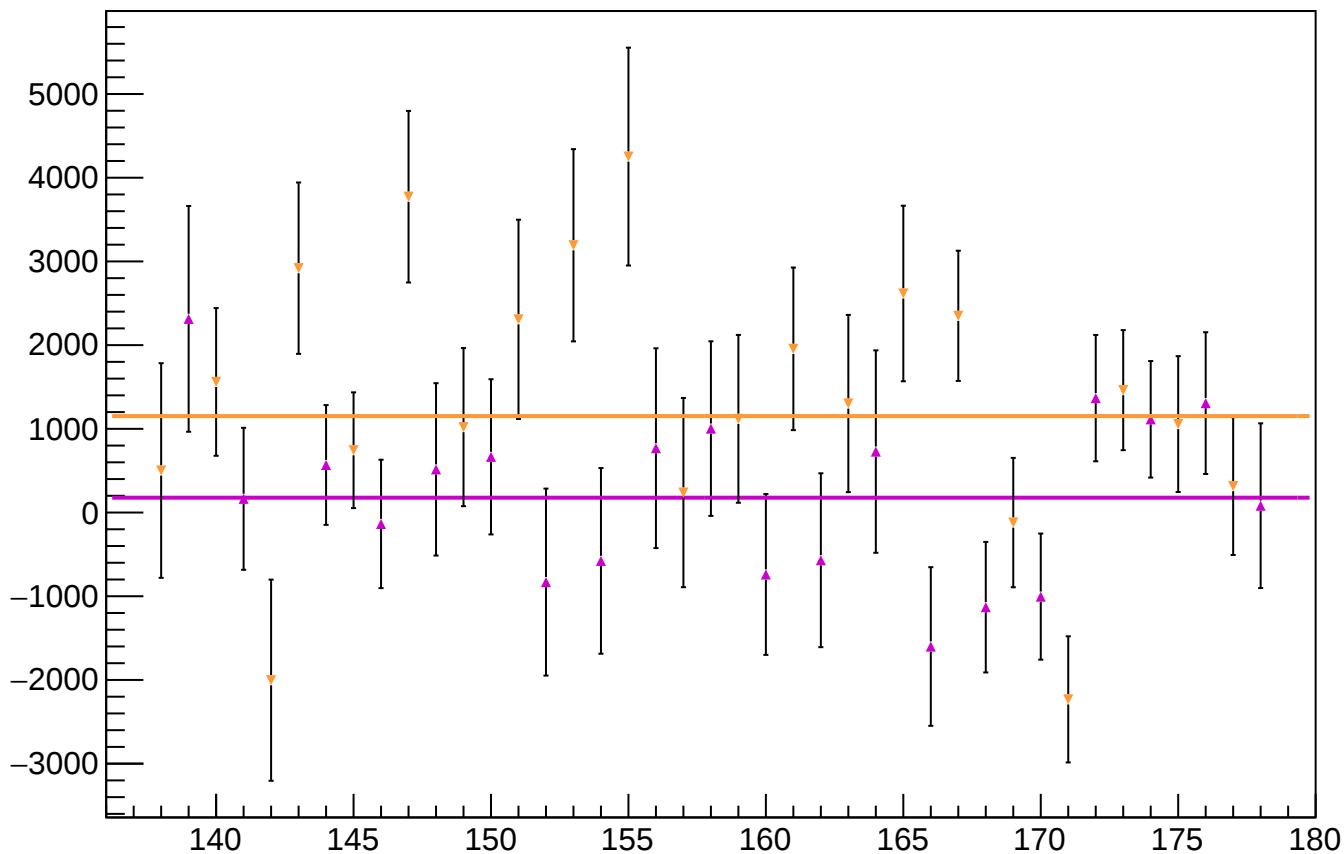
Left In: 778.059+/-0.142 χ^2/NDF :977606.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 781.117+/-0.100 χ^2/NDF : 2050639.8/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3748_avg_mean vs Slug



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

Left Out: 1152.293 $\pm$ 202.341 χ^2 /NDF:56.8/20

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

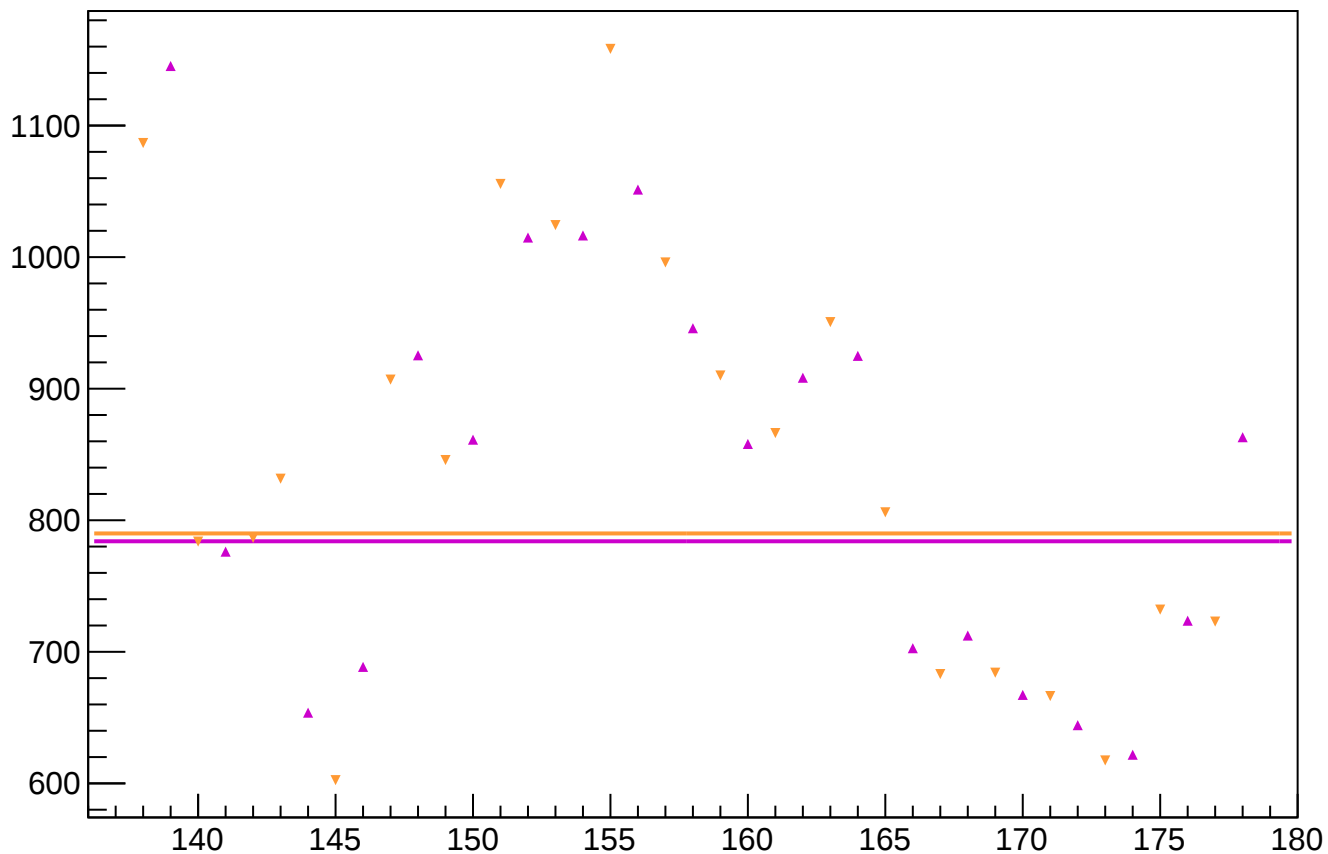
Left In: 177.384 $\pm$ 202.455 χ^2 /NDF:22.0/19

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

All: 665.114 $\pm$ 143.117 χ^2 /NDF: 90.5/40

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

asym_sam_3748_avg_rms vs Slug



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

Left Out: 789.979+/-0.143 χ^2/NDF :1056049.8/20

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

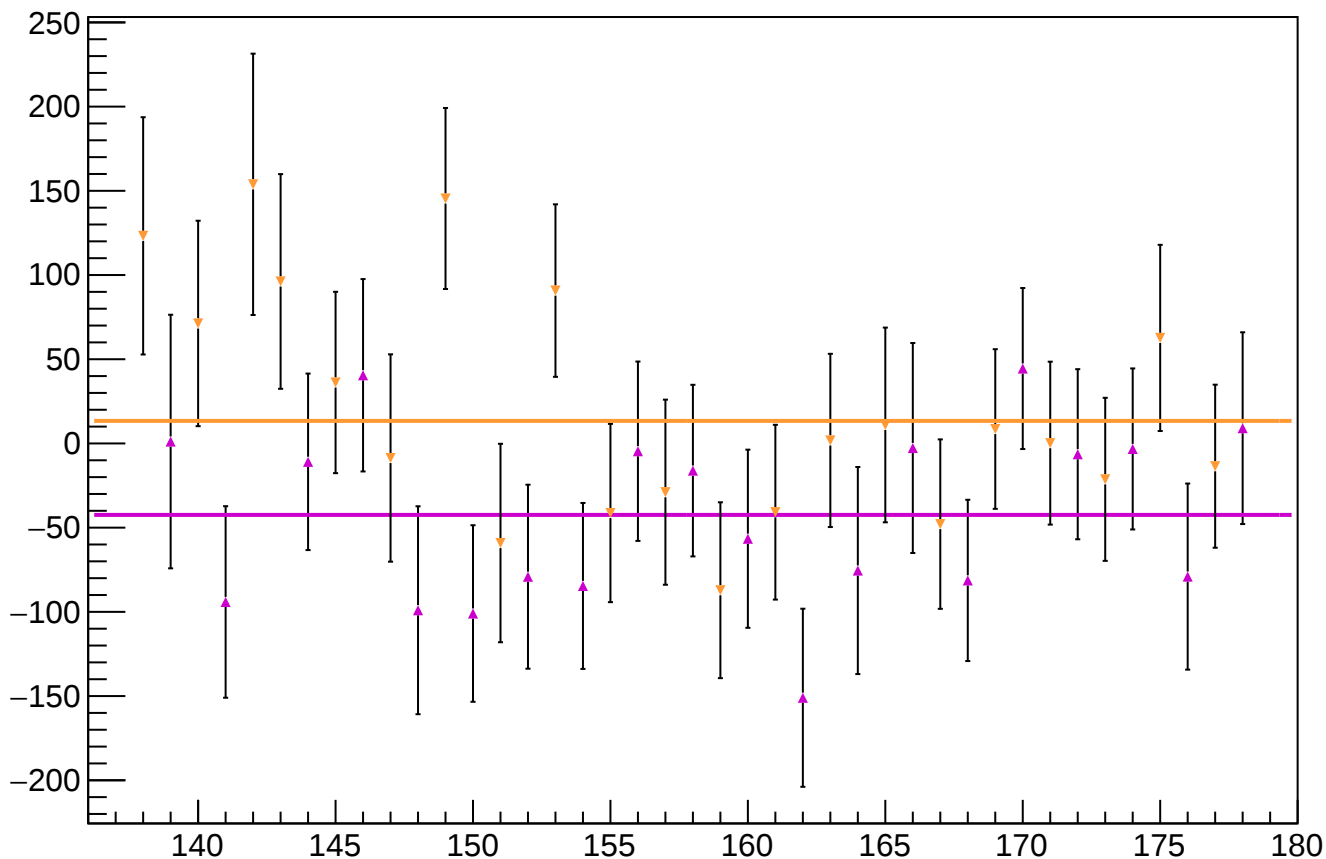
Left In: 784.023+/-0.143 χ^2/NDF :962025.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 787.002+/-0.101 χ^2/NDF : 2018941.6/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 13.382 $\pm$ 11.902 χ^2 /NDF:28.1/20

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

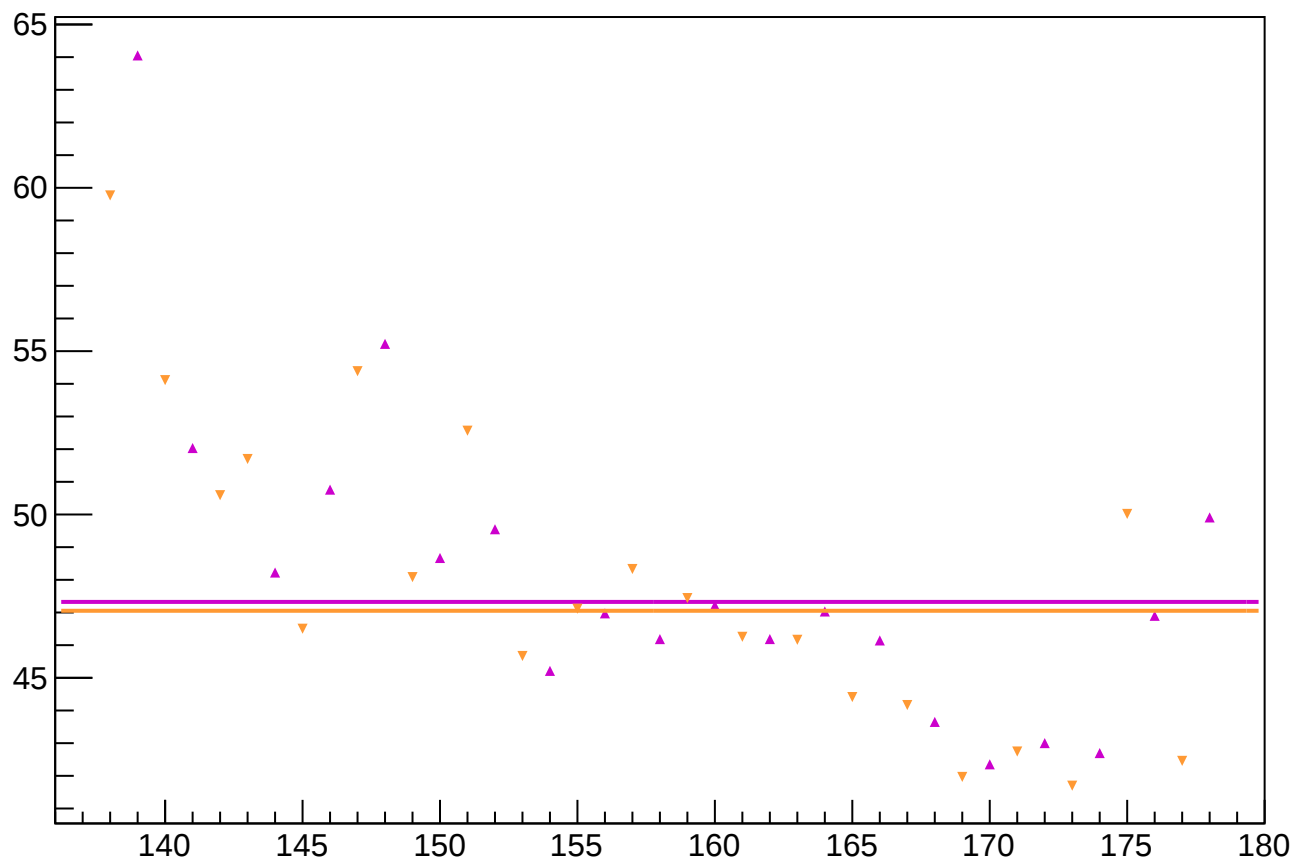
Left In: -42.427 $\pm$ 12.087 χ^2 /NDF:19.1/19

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

All: -14.092 $\pm$ 8.481 χ^2 /NDF: 58.0/40

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

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 47.053+/-0.008 χ^2/NDF :255196.9/20

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

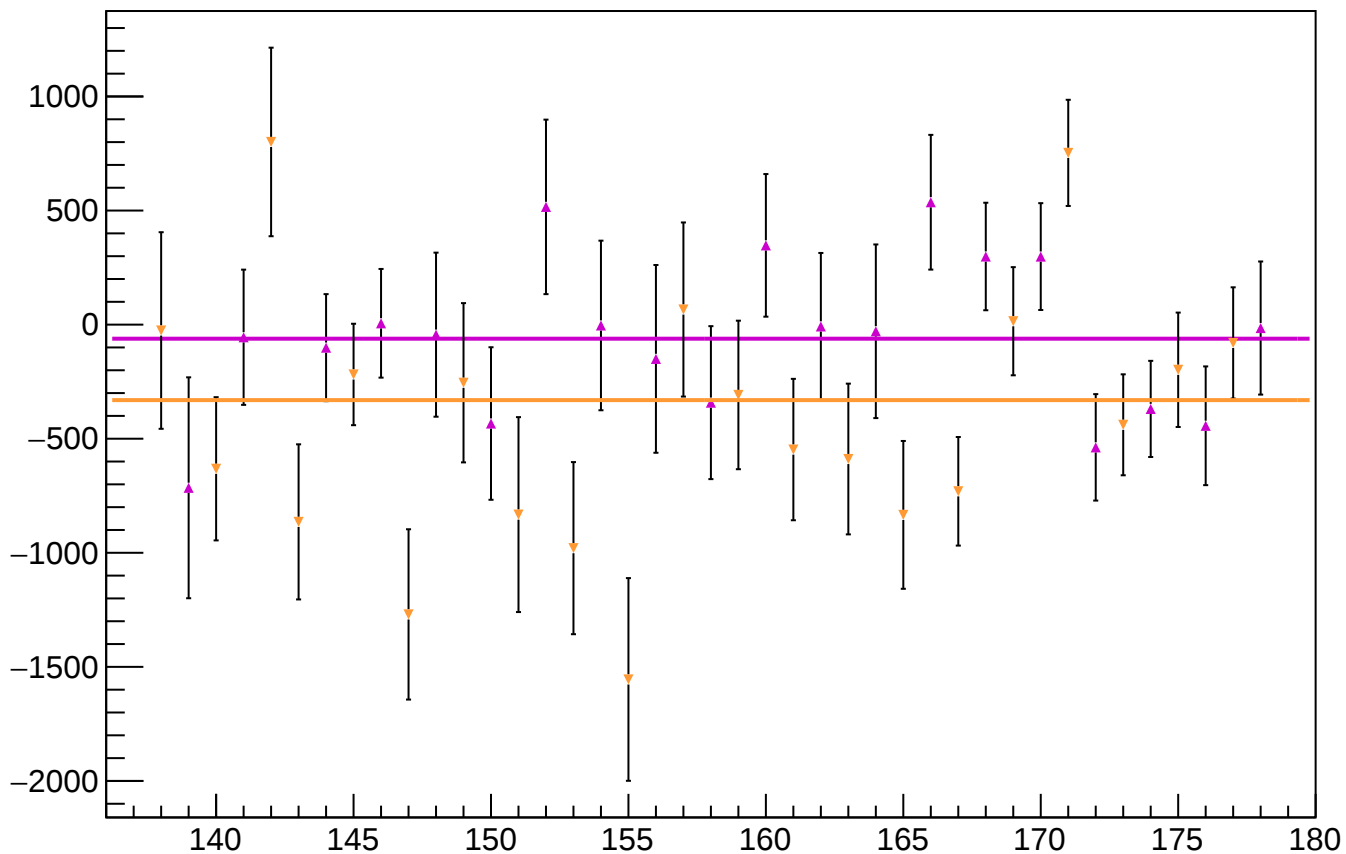
Left In: 47.324+/-0.009 χ^2/NDF :235159.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.186+/-0.006 χ^2/NDF : 490868.0/40

- 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: -330.823+/-65.127 χ^2/NDF : 62.8/20

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

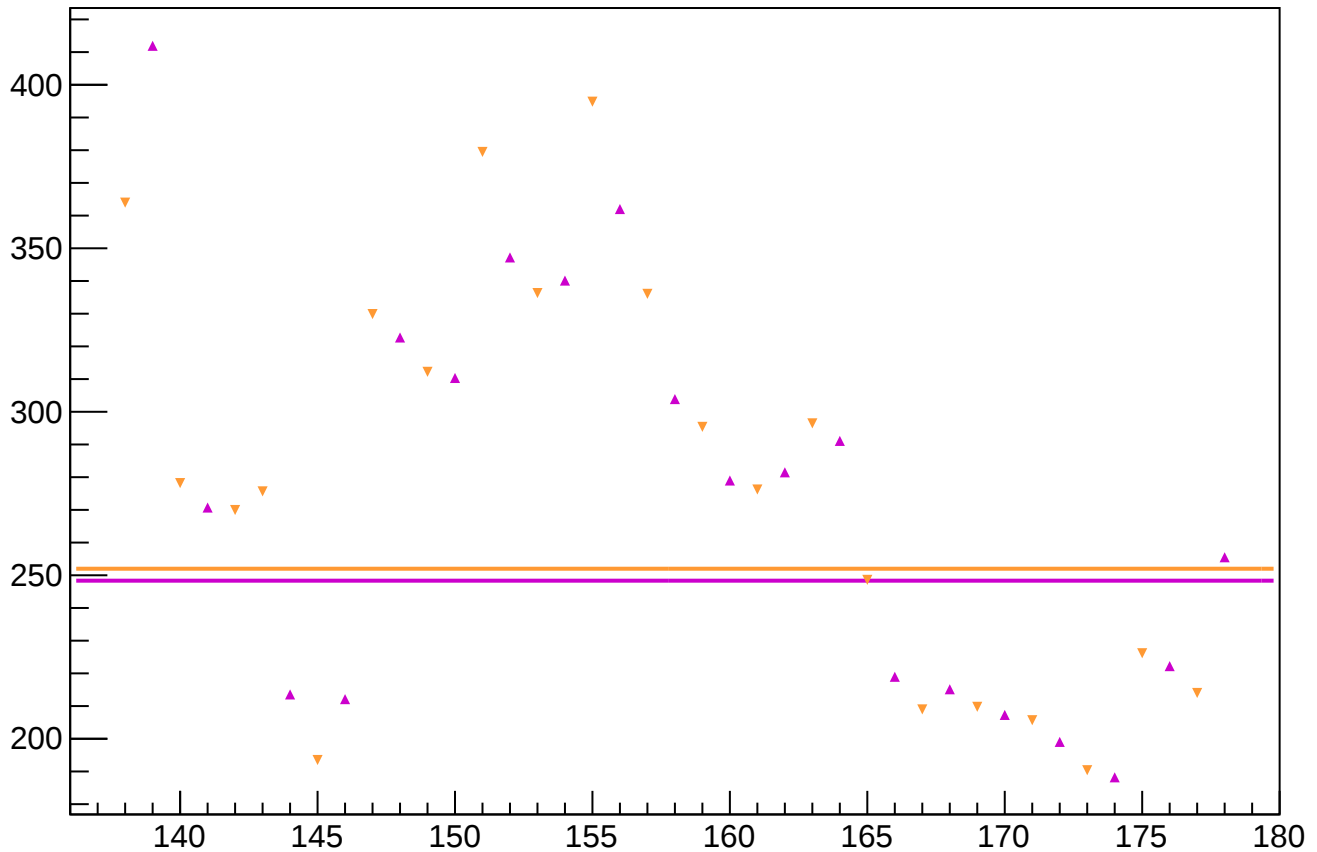
Left In: -61.633+/-64.689 χ^2/NDF : 25.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -195.319+/-45.896 χ^2/NDF : 96.6/40

- 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: 252.006+/-0.046 χ^2/NDF :1546781.4/20

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

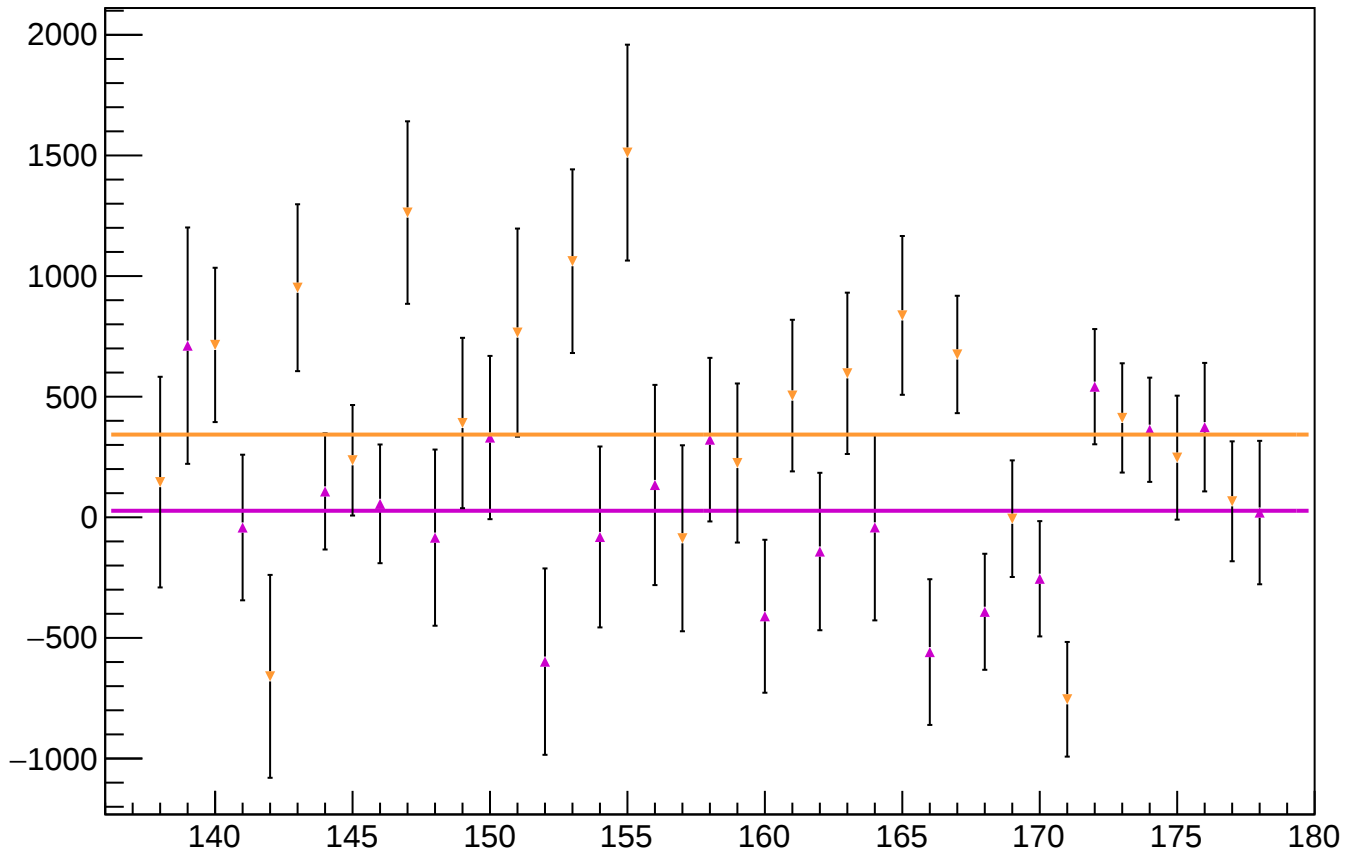
Left In: 248.349+/-0.046 χ^2/NDF :1407839.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 250.165+/-0.032 χ^2/NDF : 2957795.0/40

- 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: 342.948+/-66.357 χ^2/NDF :59.0/20

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

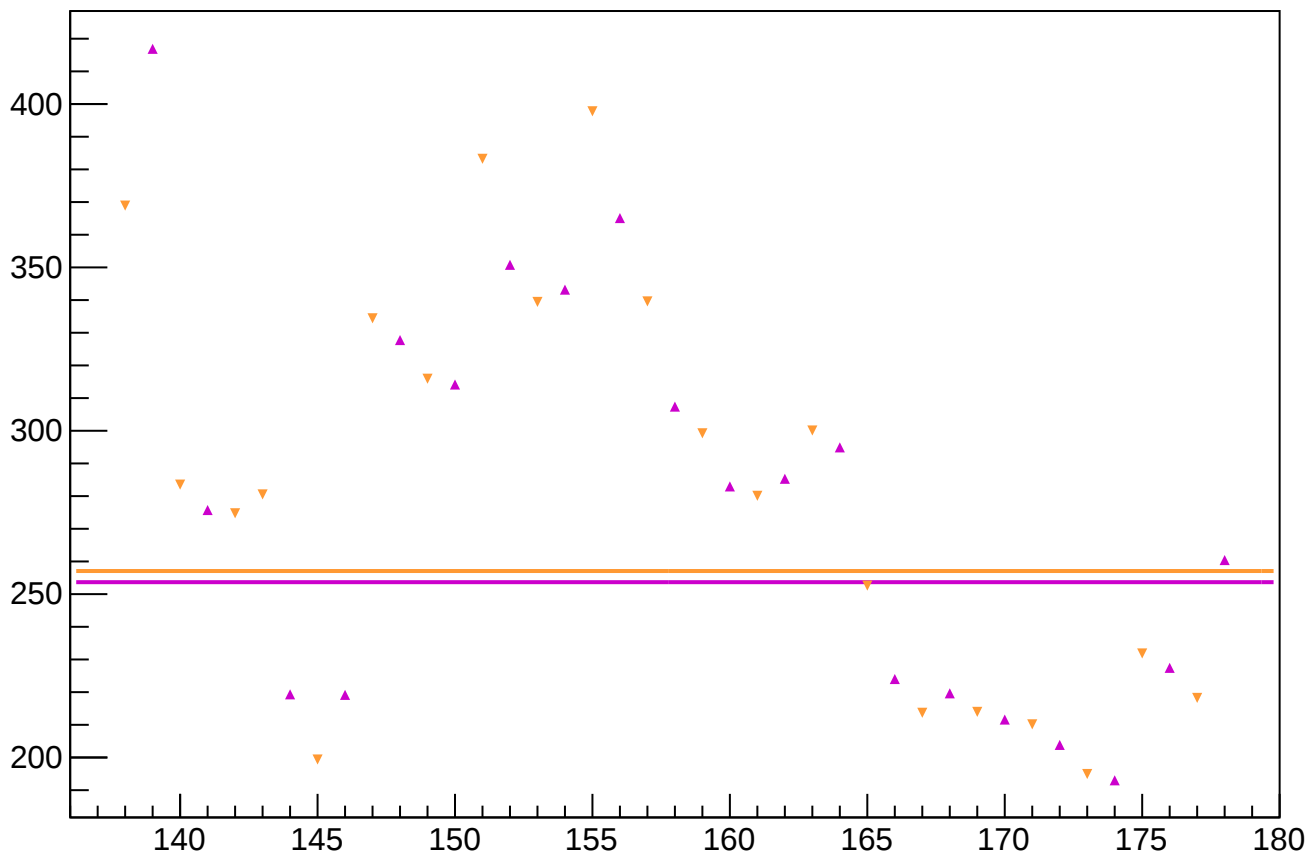
Left In: 27.061+/-65.989 χ^2/NDF :25.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 184.125+/-46.791 χ^2/NDF : 96.1/40

- 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: 257.074+/-0.047 χ^2/NDF :1478242.1/20

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

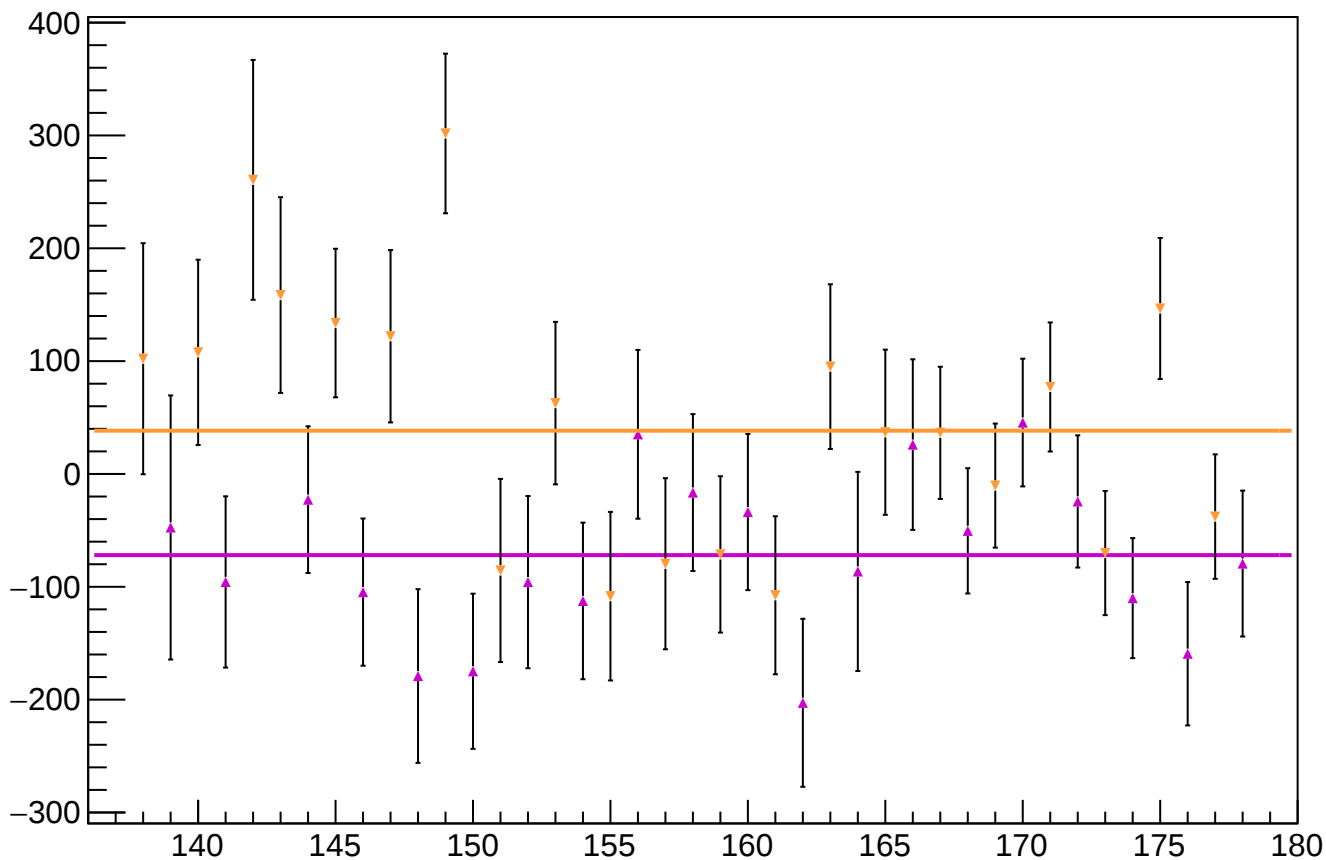
Left In: 253.658+/-0.047 χ^2/NDF :1338818.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 255.356+/-0.033 χ^2/NDF : 2819724.5/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 38.363 $\pm$ 15.085 χ^2 /NDF:50.8/20

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

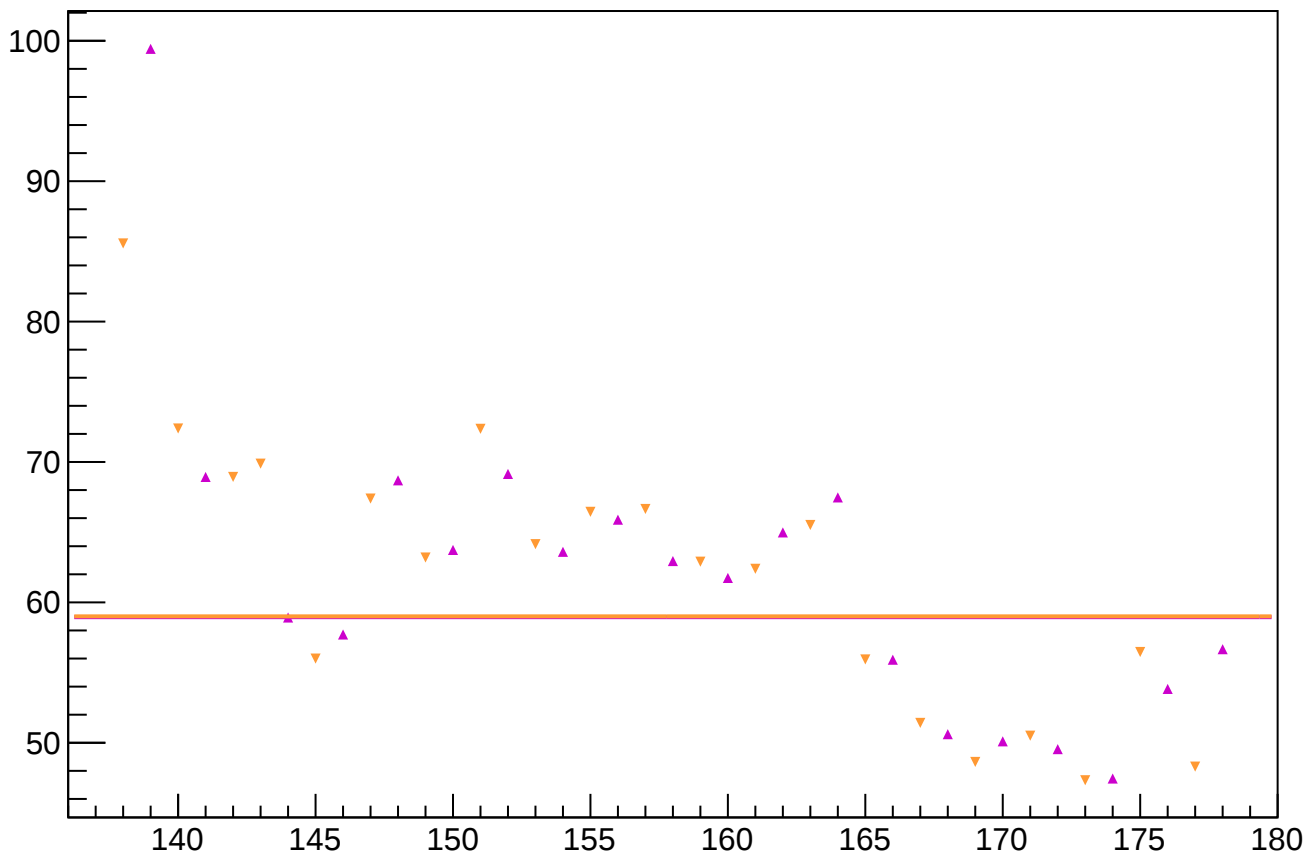
Left In: -71.913 $\pm$ 15.206 χ^2 /NDF:20.9/19

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

All: -16.334 $\pm$ 10.709 χ^2 /NDF: 98.2/40

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

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 59.004+/-0.011 χ^2/NDF : 724499.1/20

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

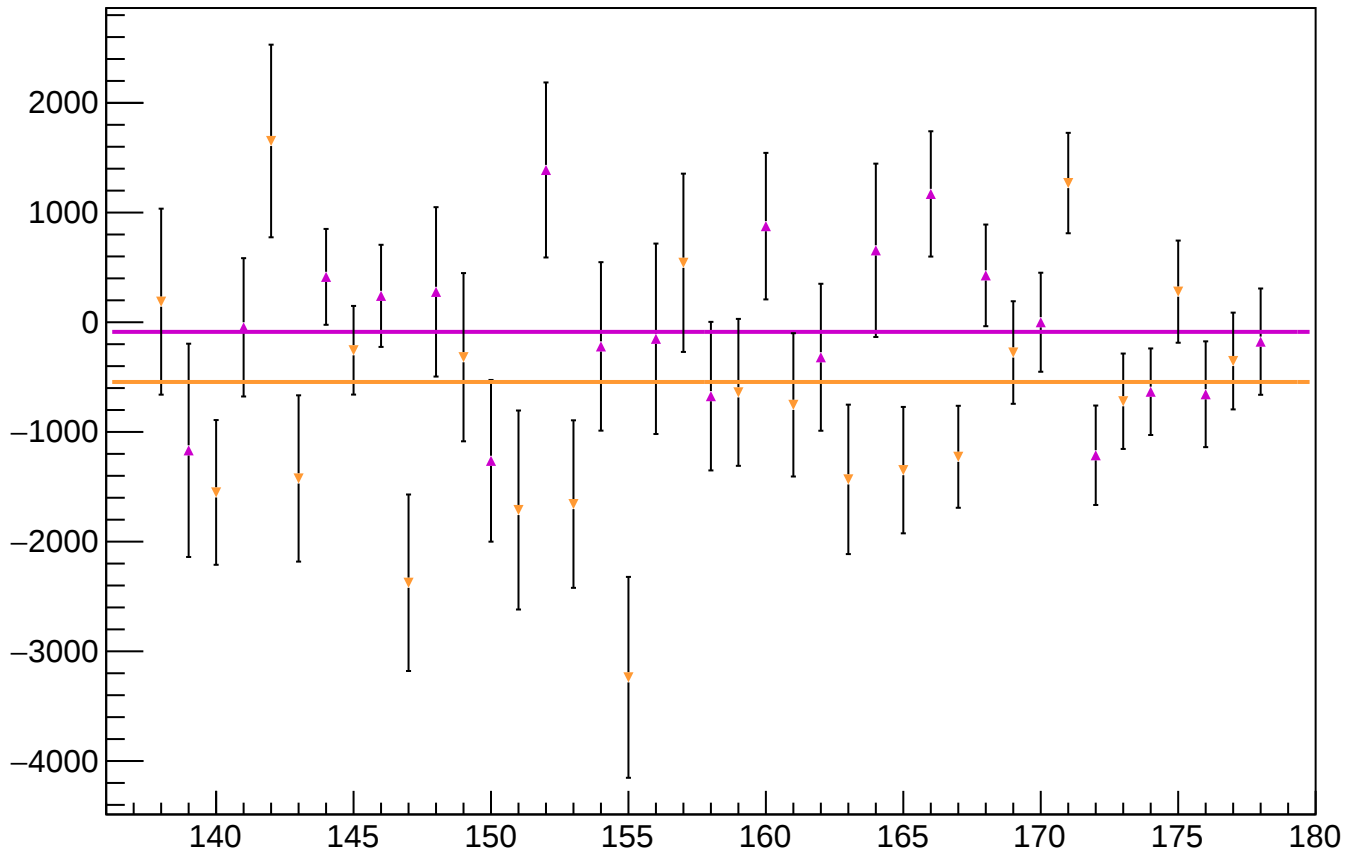
Left In: 58.947+/-0.011 χ^2/NDF : 677573.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 58.976+/-0.008 χ^2/NDF : 1402087.1/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -544.439+/-128.585 χ^2/NDF : 56.1/20

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

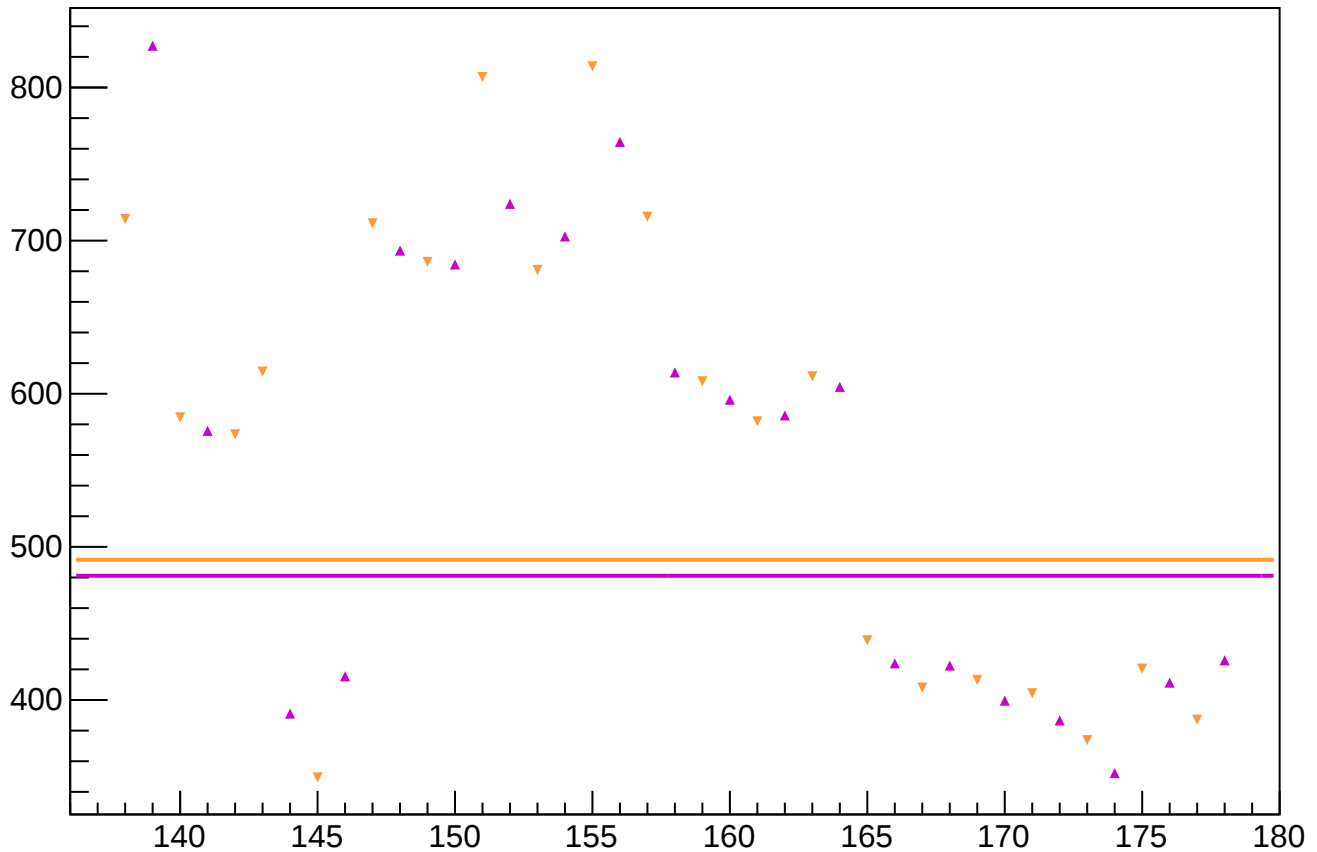
Left In: -87.710+/-126.730 χ^2/NDF : 28.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -312.757+/-90.260 χ^2/NDF : 91.2/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 491.529+/-0.091 χ^2/NDF :2212766.8/20

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

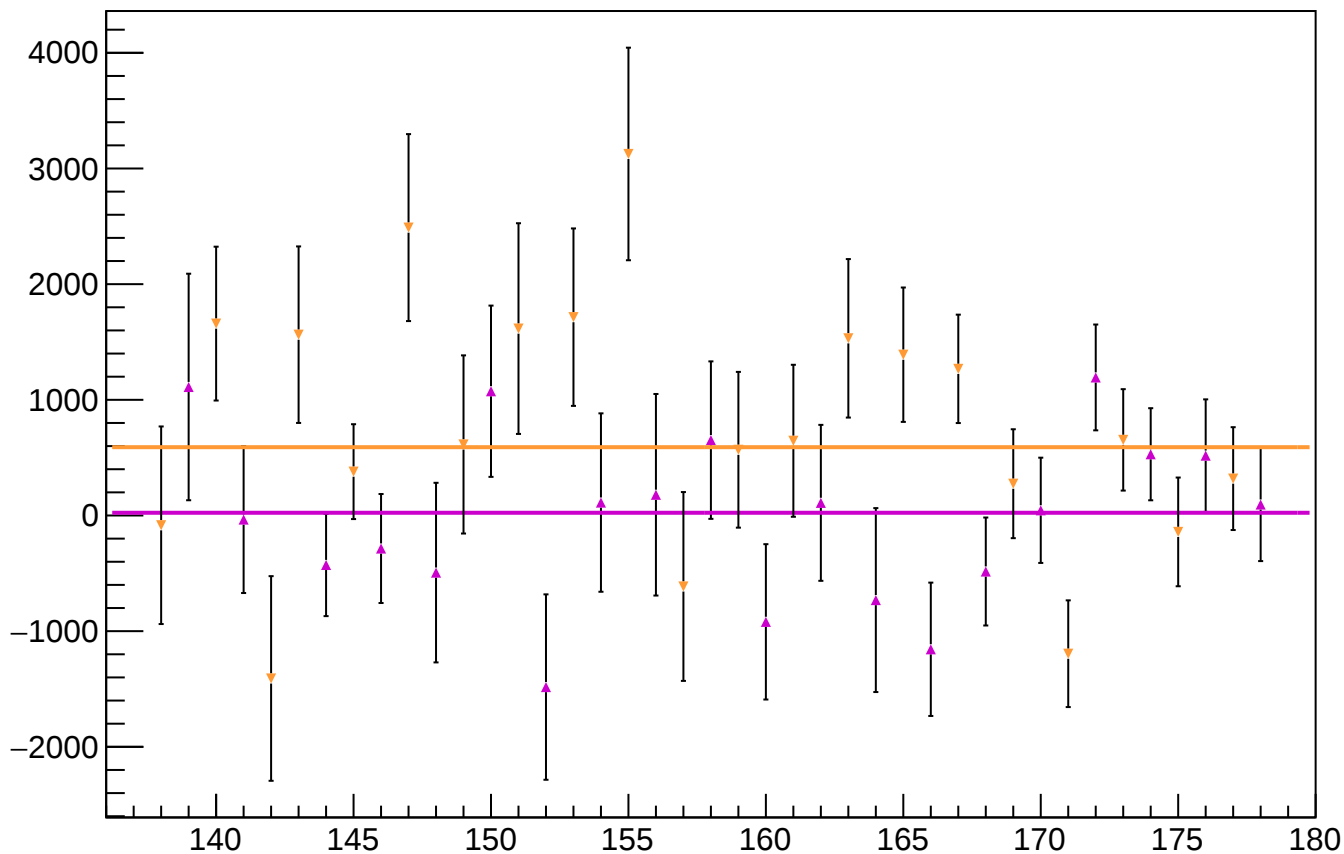
Left In: 481.138+/-0.090 χ^2/NDF :2010998.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 486.258+/-0.064 χ^2/NDF : 4230390.2/40

- 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: 590.493+/-129.583 χ^2/NDF : 53.1/20

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

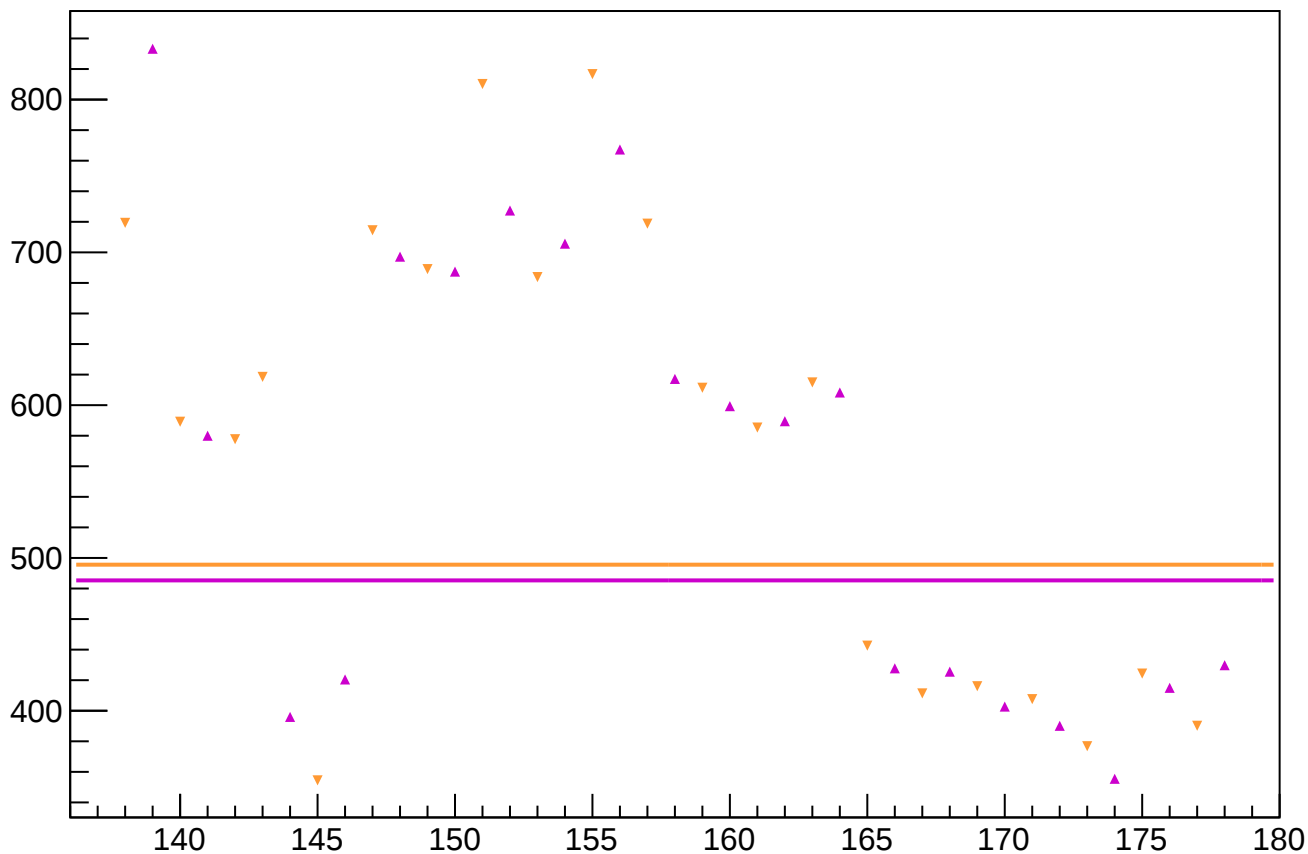
Left In: 23.584+/-127.766 χ^2/NDF : 27.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 303.037+/-90.980 χ^2/NDF : 89.8/40

- 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: 495.600+/-0.092 χ^2/NDF :2182144.3/20

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

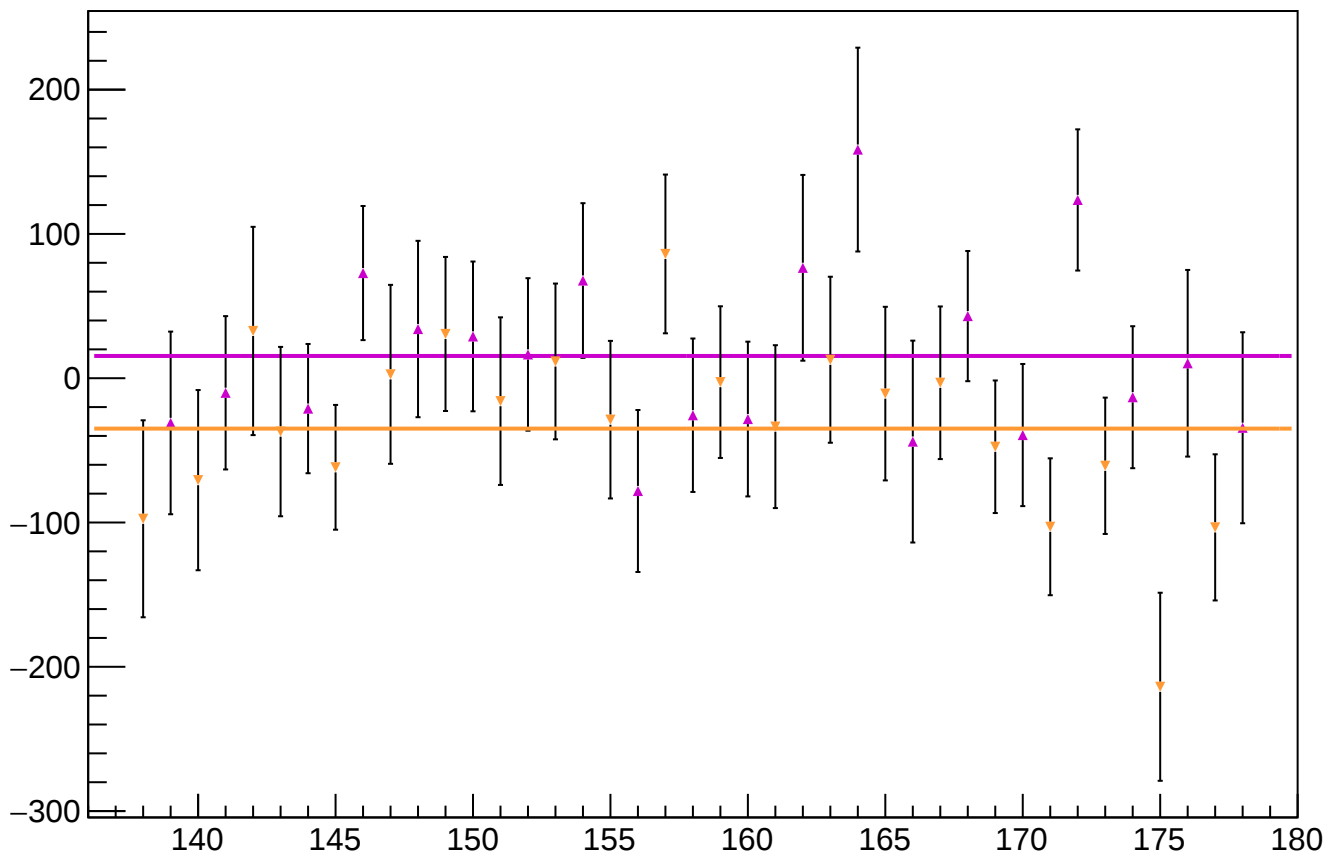
Left In: 485.315+/-0.090 χ^2/NDF :1983414.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 490.385+/-0.064 χ^2/NDF : 4171947.2/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -34.927 $\pm$ 11.946 χ^2 /NDF:23.4/20

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

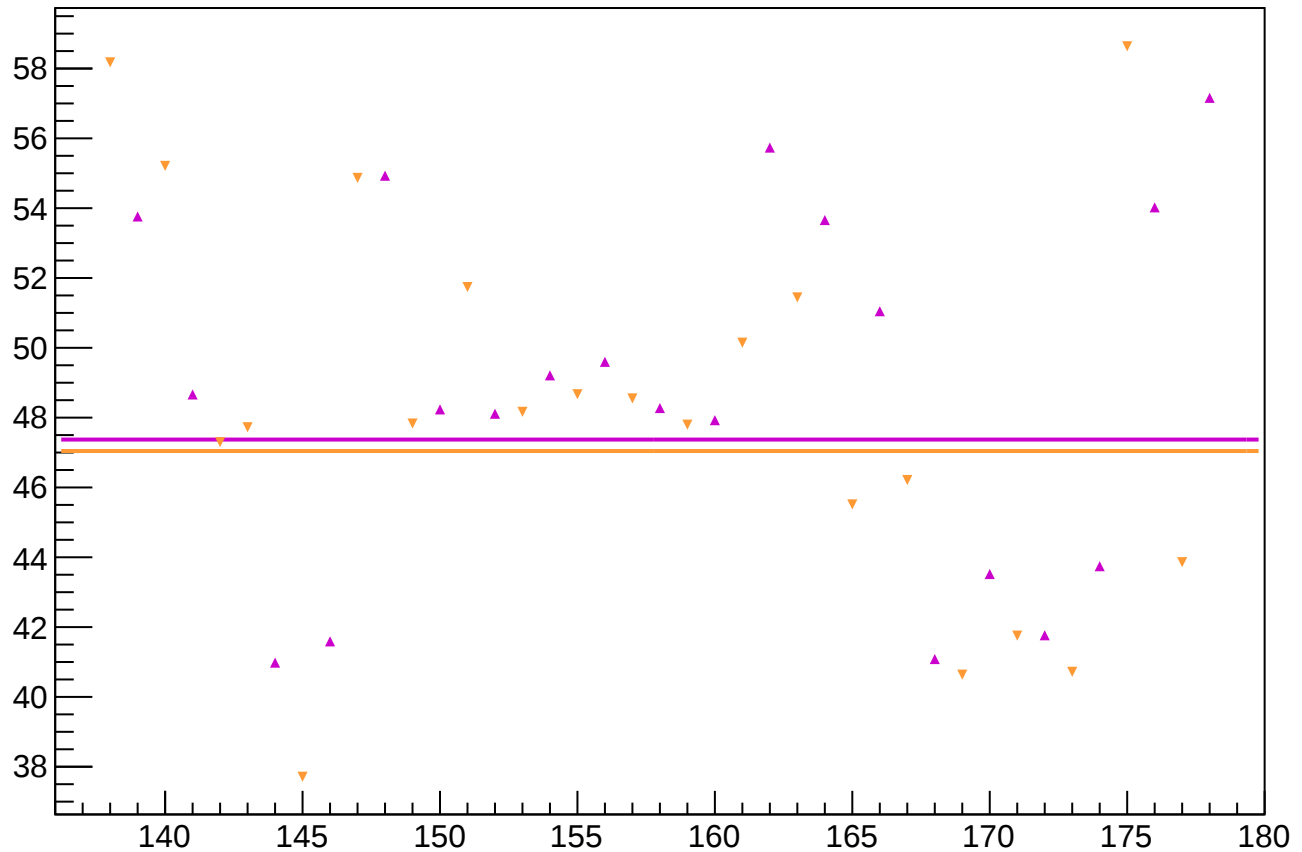
Left In: 15.426 $\pm$ 12.148 χ^2 /NDF:21.2/19

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

All: -10.173 $\pm$ 8.517 χ^2 /NDF: 53.4/40

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

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 47.043+/-0.008 χ^2/NDF : 421032.4/20

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

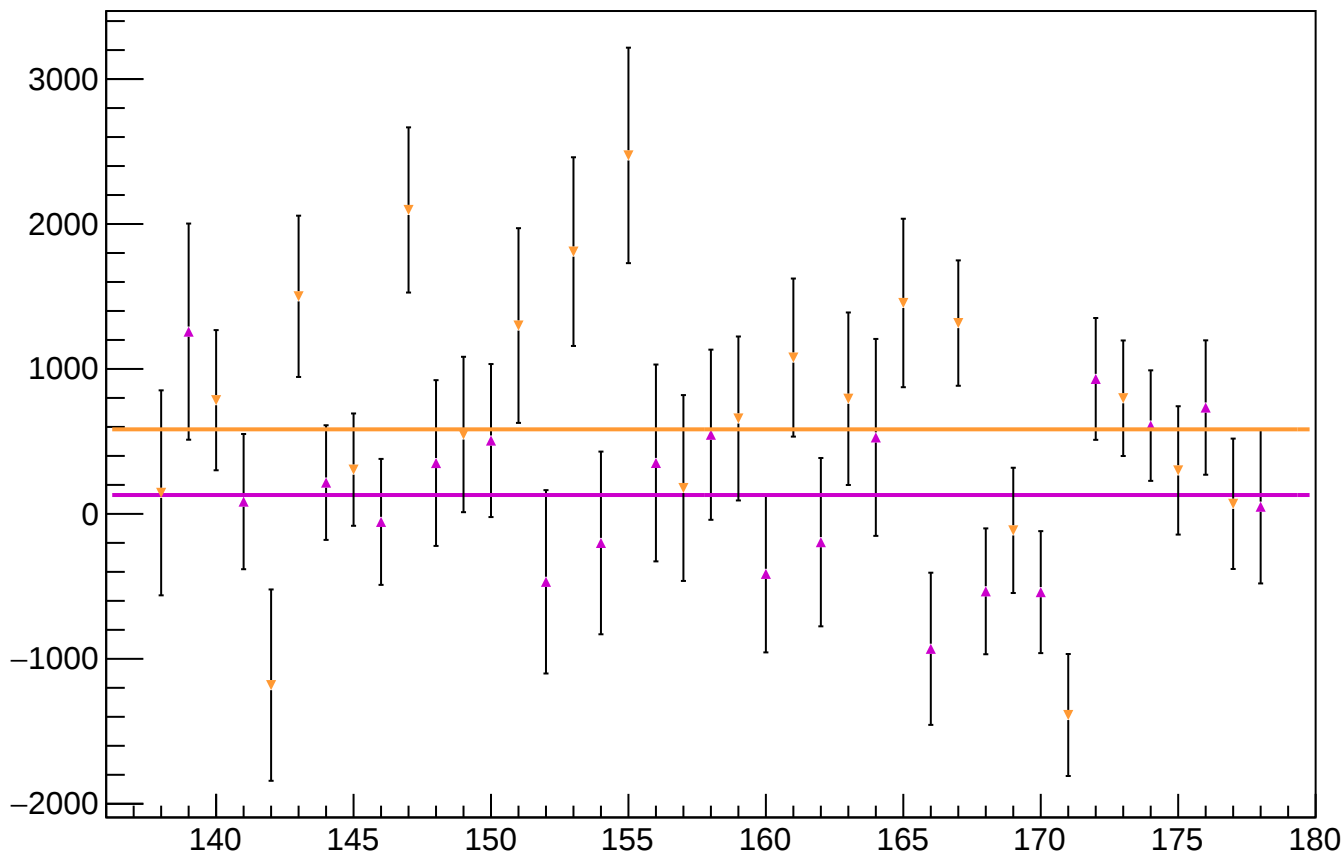
Left In: 47.372+/-0.009 χ^2/NDF : 339249.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 47.205+/-0.006 χ^2/NDF : 761025.0/40

- 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: 583.325+/-112.649 χ^2/NDF : 62.2/20

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

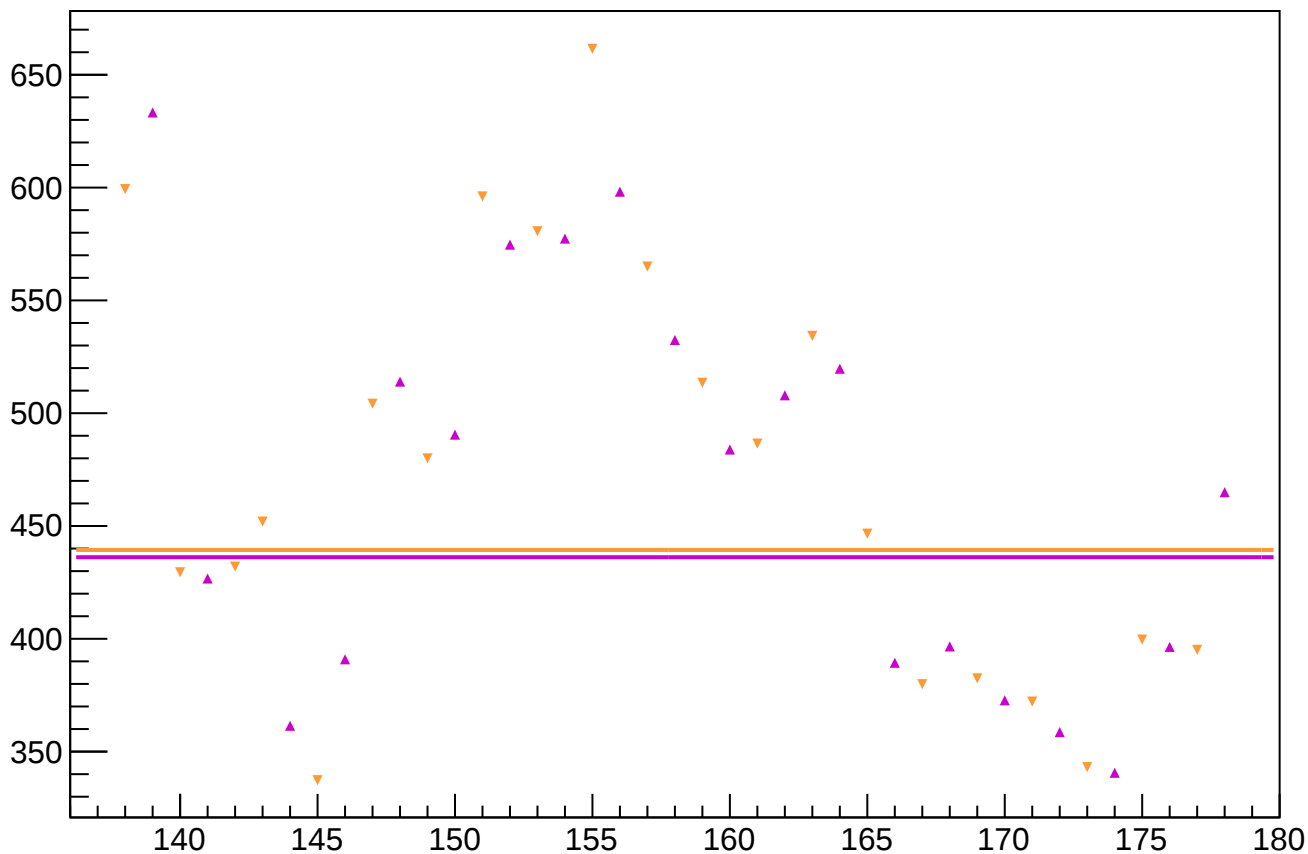
Left In: 130.217+/-112.724 χ^2/NDF : 22.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 356.922+/-79.681 χ^2/NDF : 92.8/40

- 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: 439.385+/-0.080 χ^2/NDF :1115140.5/20

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

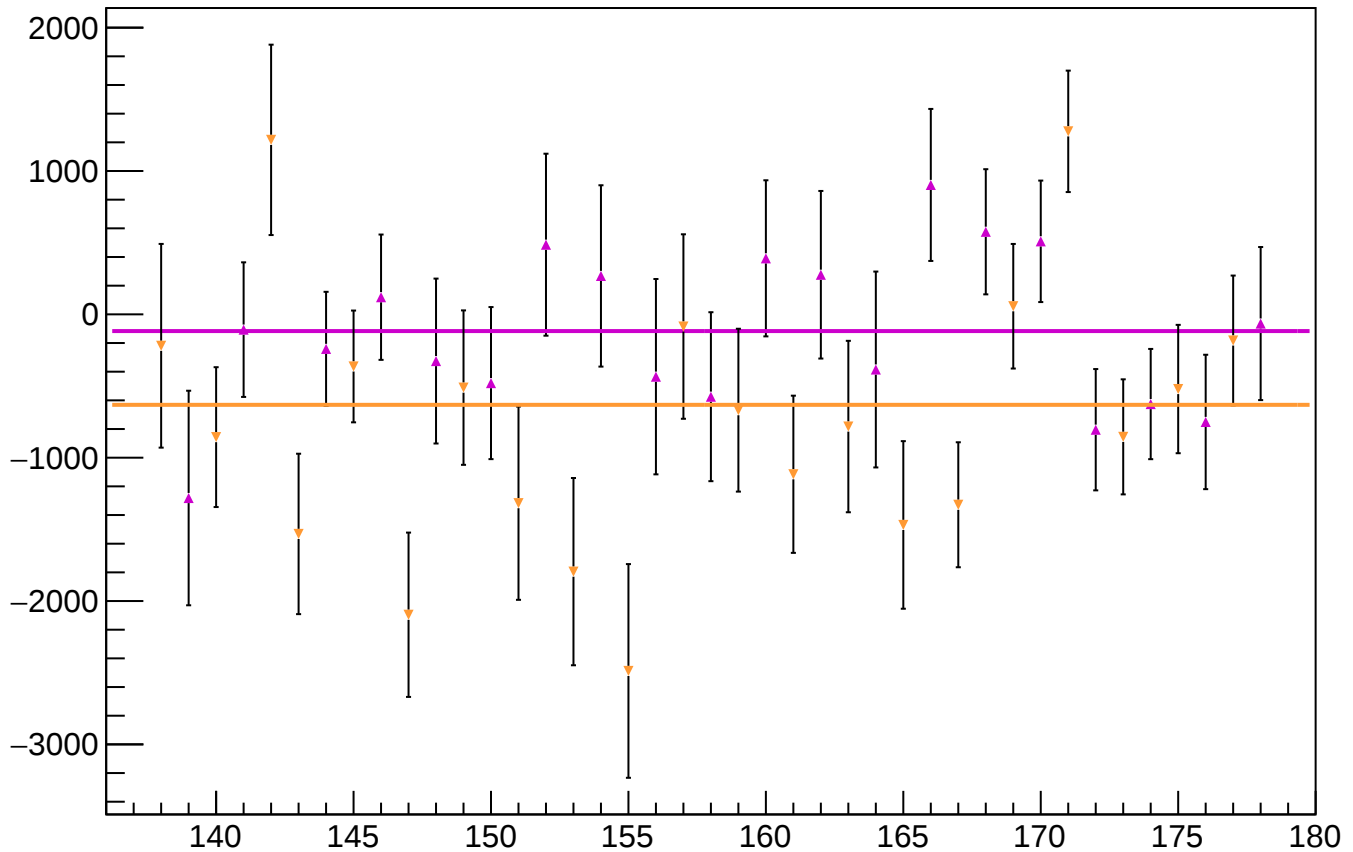
Left In: 436.167+/-0.080 χ^2/NDF :1024622.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 437.777+/-0.056 χ^2/NDF : 2140577.9/40

- 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: -631.261+/-113.360 χ^2/NDF : 58.7/20

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

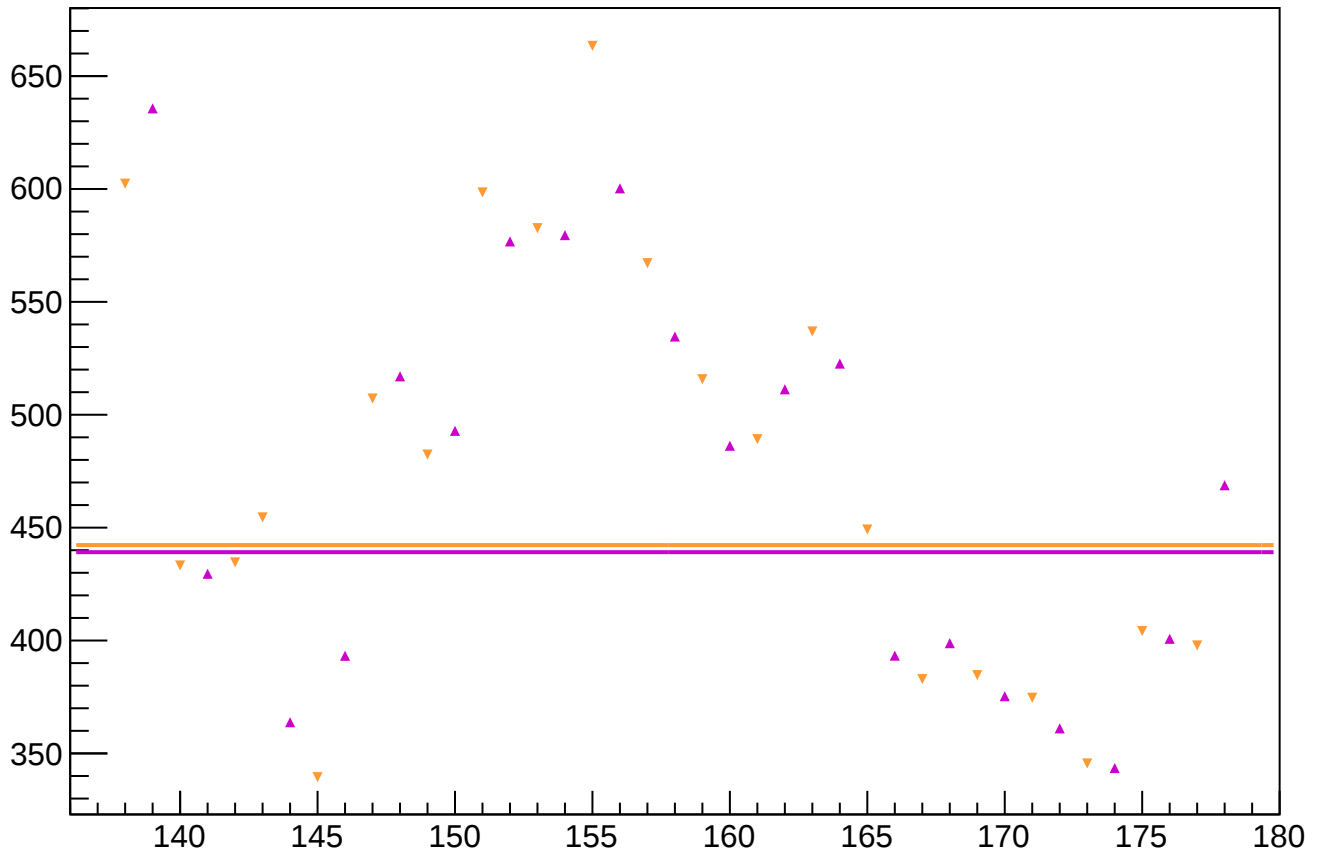
Left In: -116.715+/-113.463 χ^2/NDF : 21.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -374.222+/-80.194 χ^2/NDF : 90.6/40

- 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: 442.268+/-0.080 χ^2/NDF :1101695.4/20

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

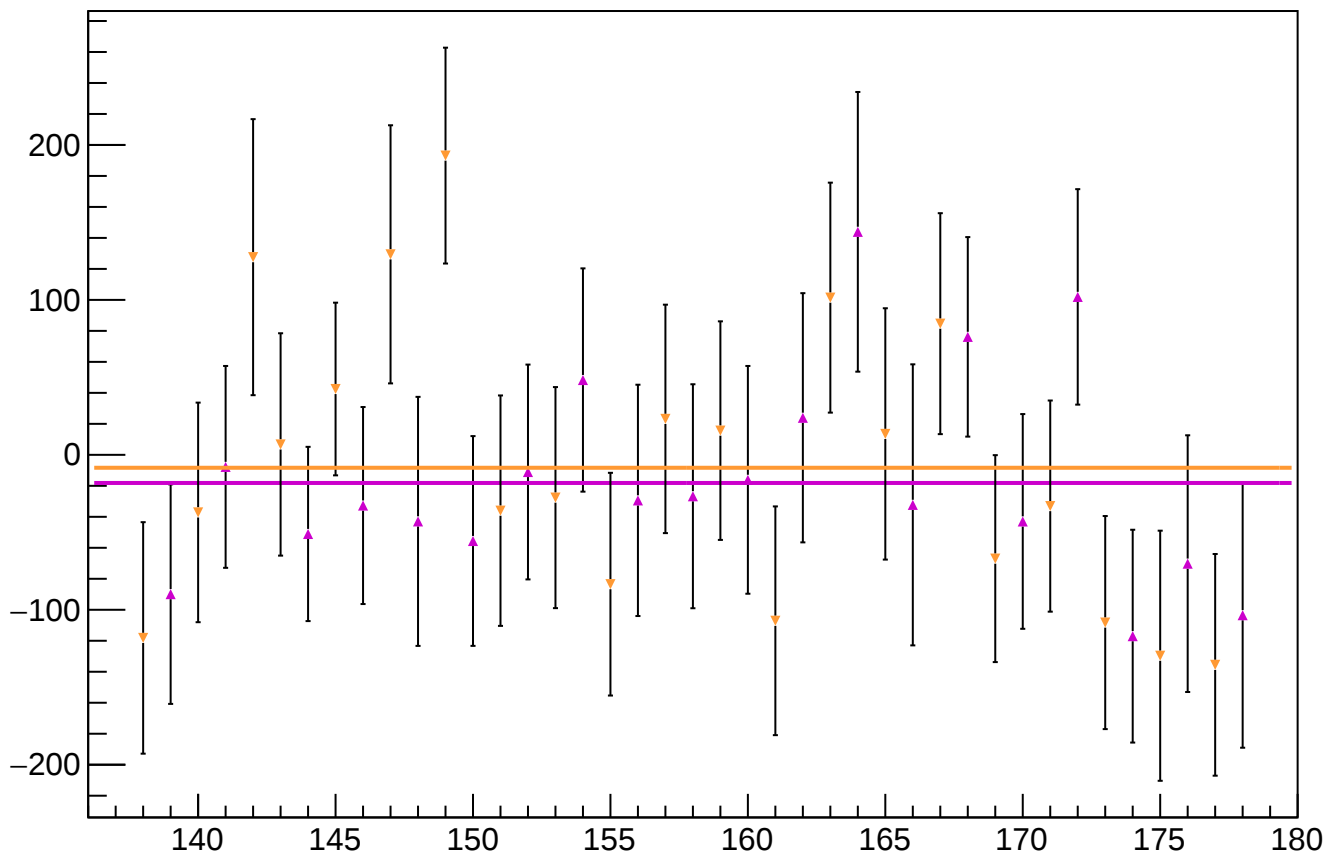
Left In: 439.133+/-0.080 χ^2/NDF :1010518.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 440.702+/-0.057 χ^2/NDF : 2112977.7/40

- 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: -8.343 $\pm$ 15.732 χ^2 /NDF:32.4/20

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

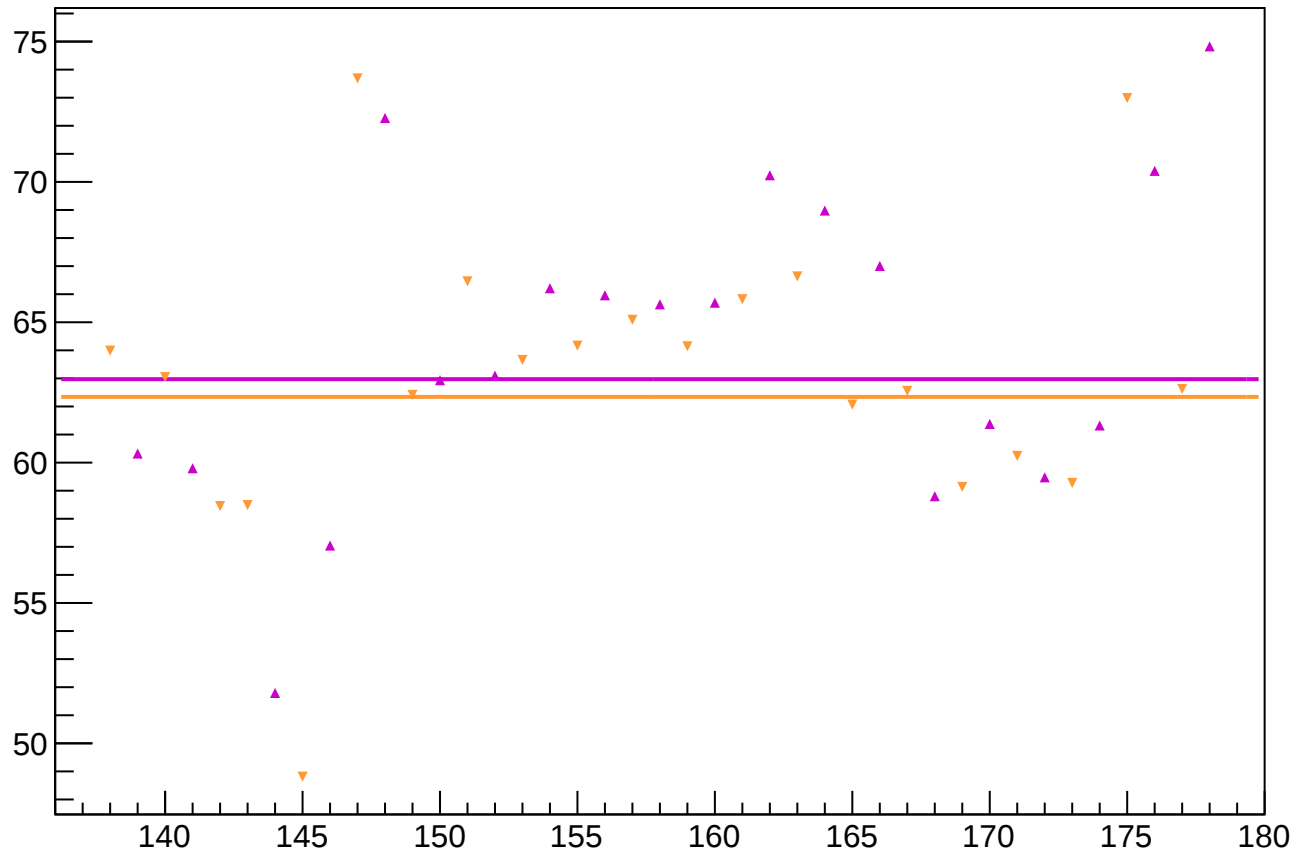
Left In: -18.154 $\pm$ 16.059 χ^2 /NDF:15.0/19

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

All: -13.148 $\pm$ 11.238 χ^2 /NDF: 47.6/40

- 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: 62.341 +/- 0.011 χ^2/NDF : 234421.9/20

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

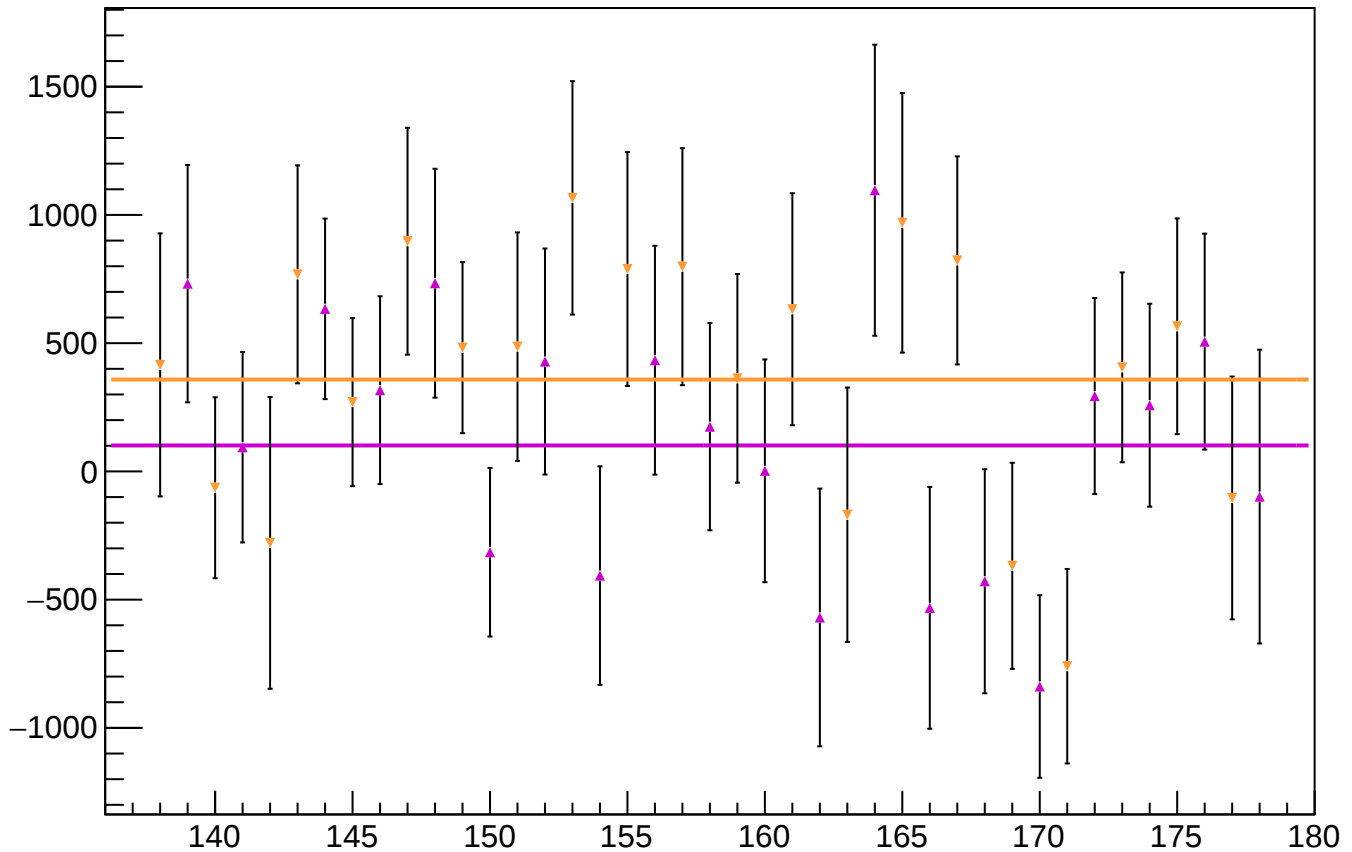
Left In: 62.973 +/- 0.011 χ^2/NDF : 242746.8/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: 62.651 +/- 0.008 χ^2/NDF : 478746.1/40

- 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: 358.254+/-91.742 χ^2/NDF : 27.1/20

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

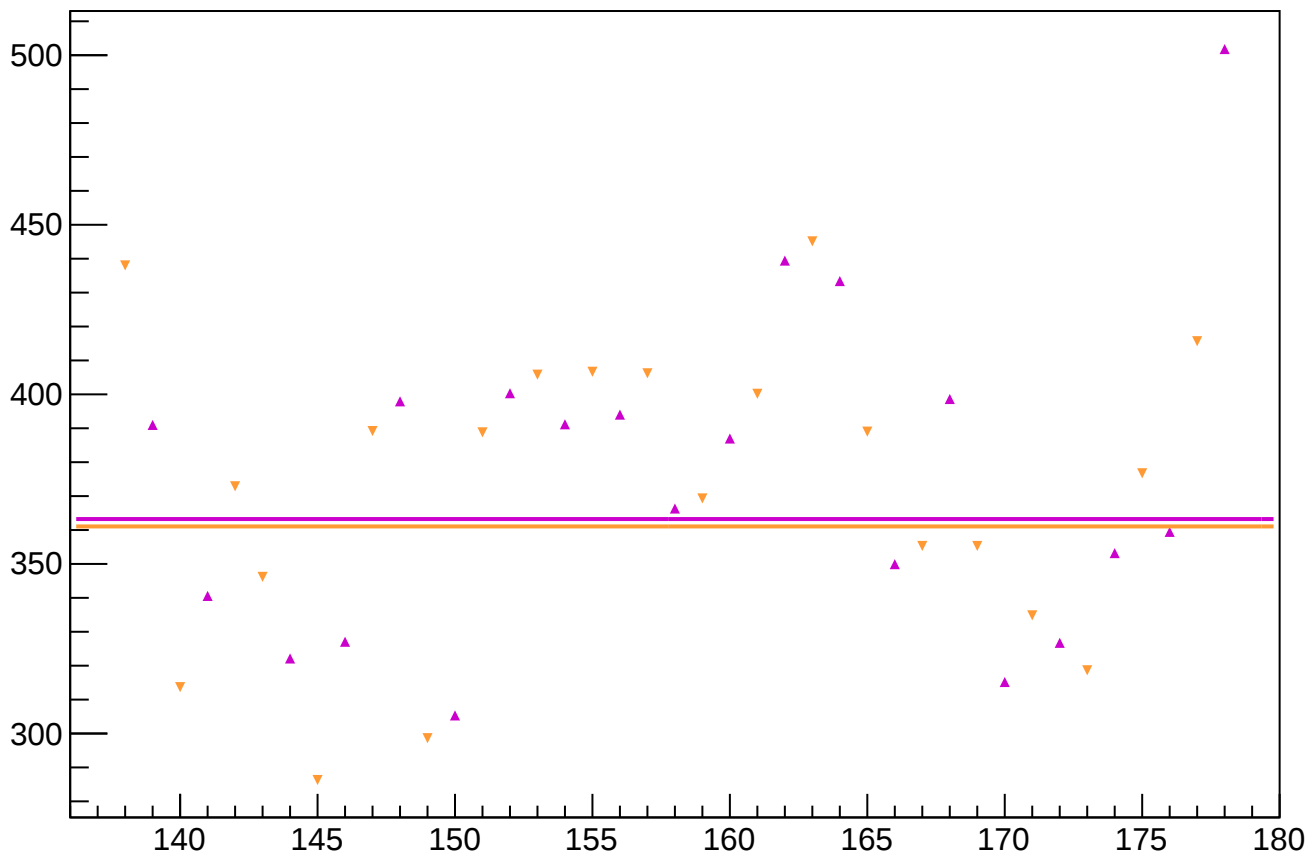
Left In: 101.193+/-93.055 χ^2/NDF : 27.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 231.550+/-65.331 χ^2/NDF : 58.2/40

- 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: 361.057+/-0.065 χ^2/NDF : 478407.5/20

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

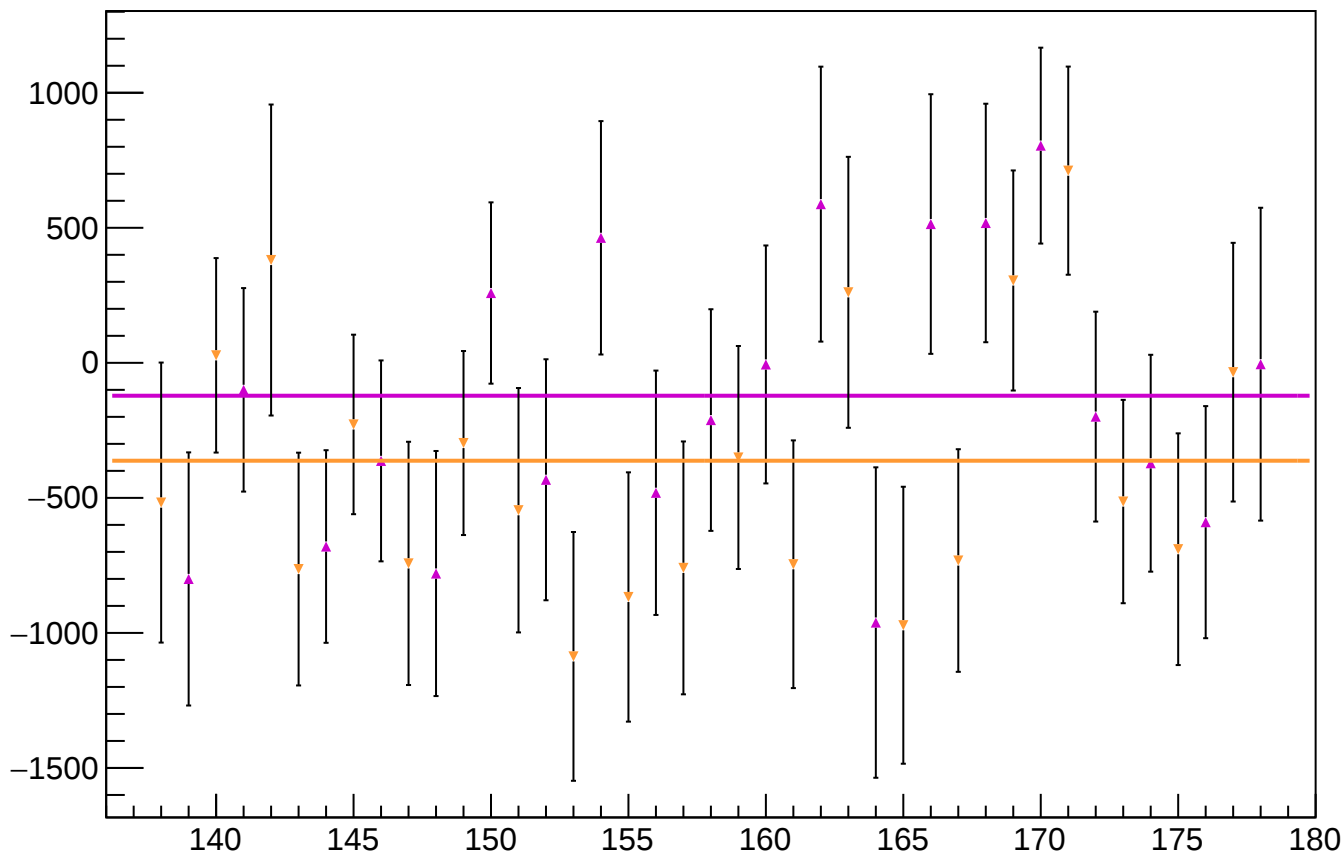
Left In: 363.236+/-0.066 χ^2/NDF : 438526.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 362.131+/-0.046 χ^2/NDF : 917489.8/40

- 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: -362.427+/-93.175 χ^2/NDF : 25.4/20

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

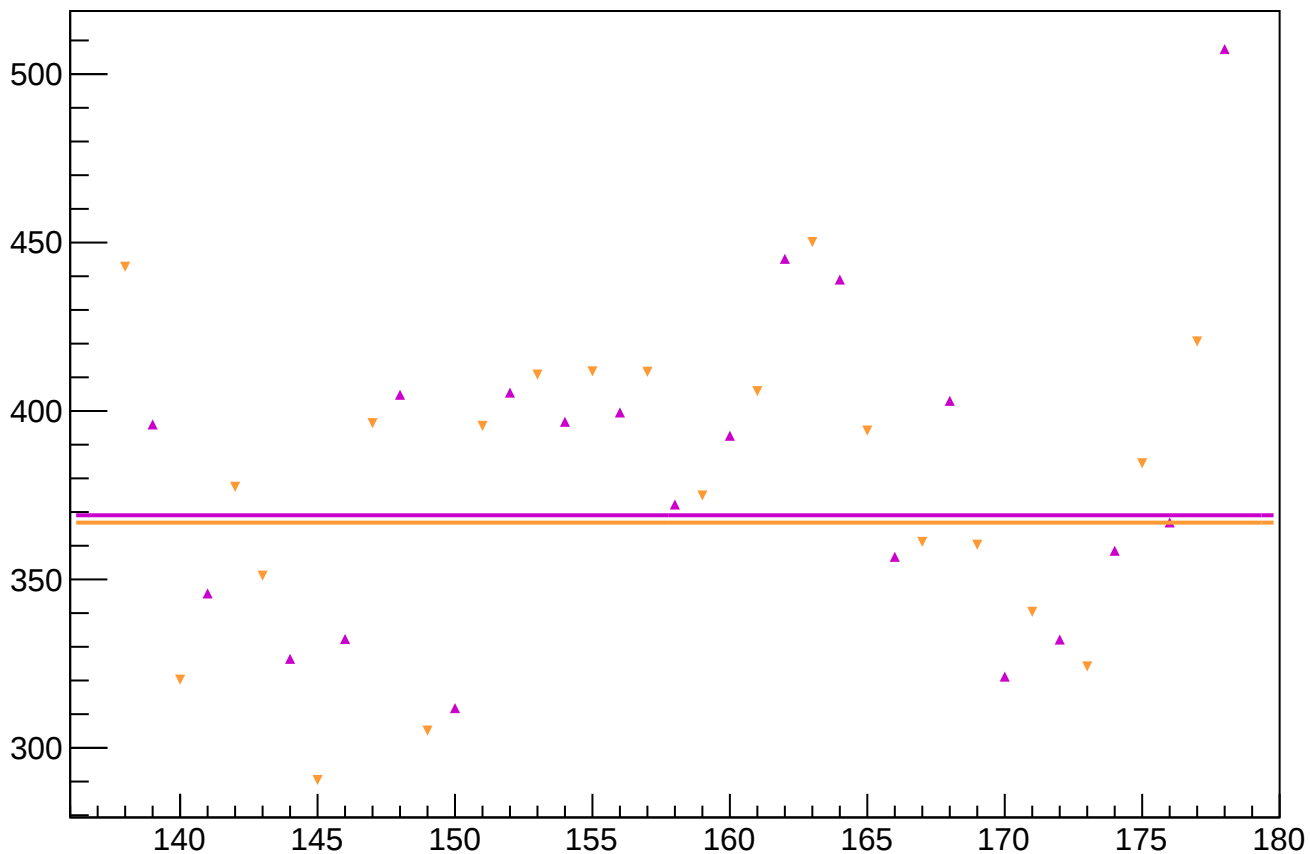
Left In: -121.769+/-94.511 χ^2/NDF : 27.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -243.811+/-66.352 χ^2/NDF : 56.2/40

- 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: 366.862+/-0.066 χ^2/NDF : 464025.0/20

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

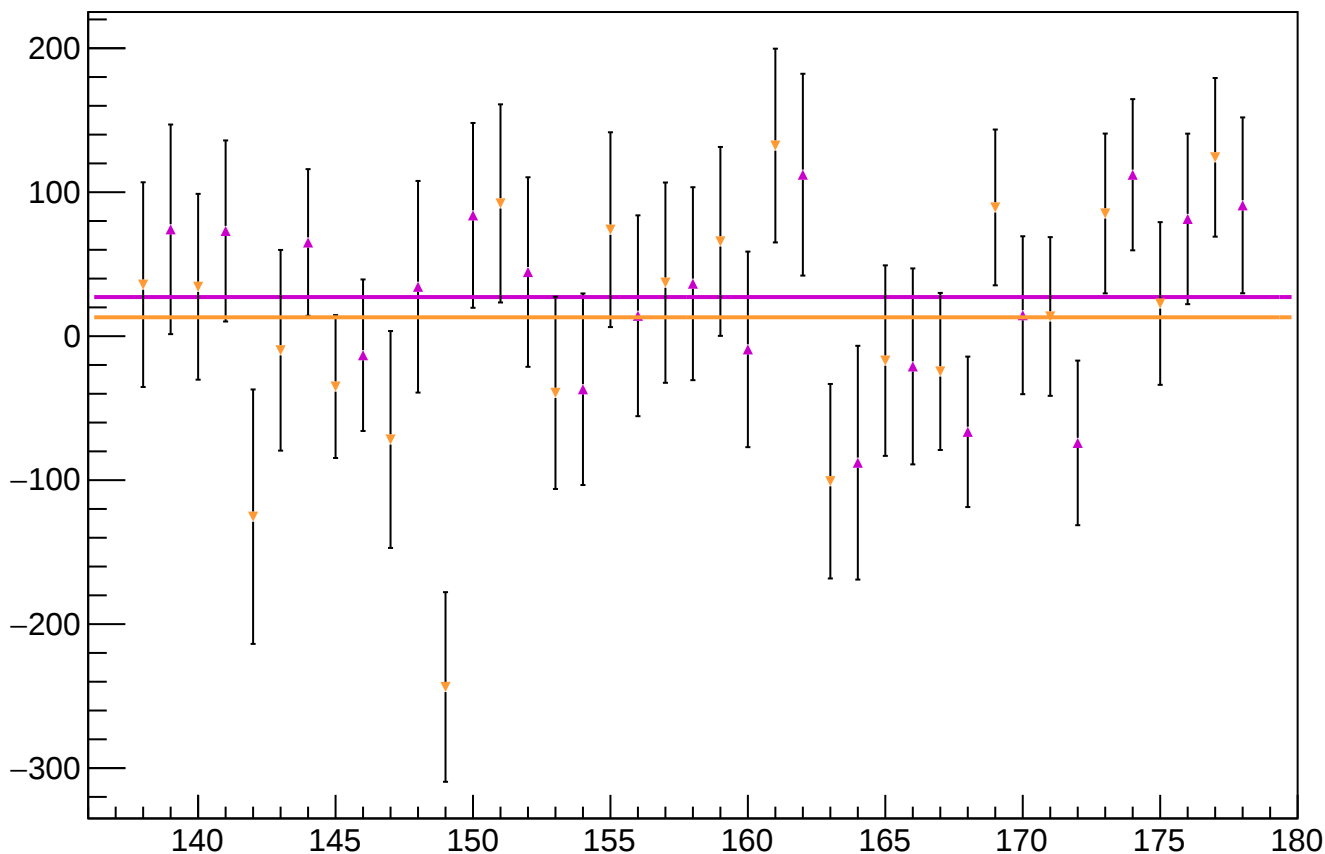
Left In: 369.044+/-0.067 χ^2/NDF : 425472.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 367.937+/-0.047 χ^2/NDF : 890038.2/40

- 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: 13.120 $\pm$ 13.710 χ^2 /NDF:38.1/20

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

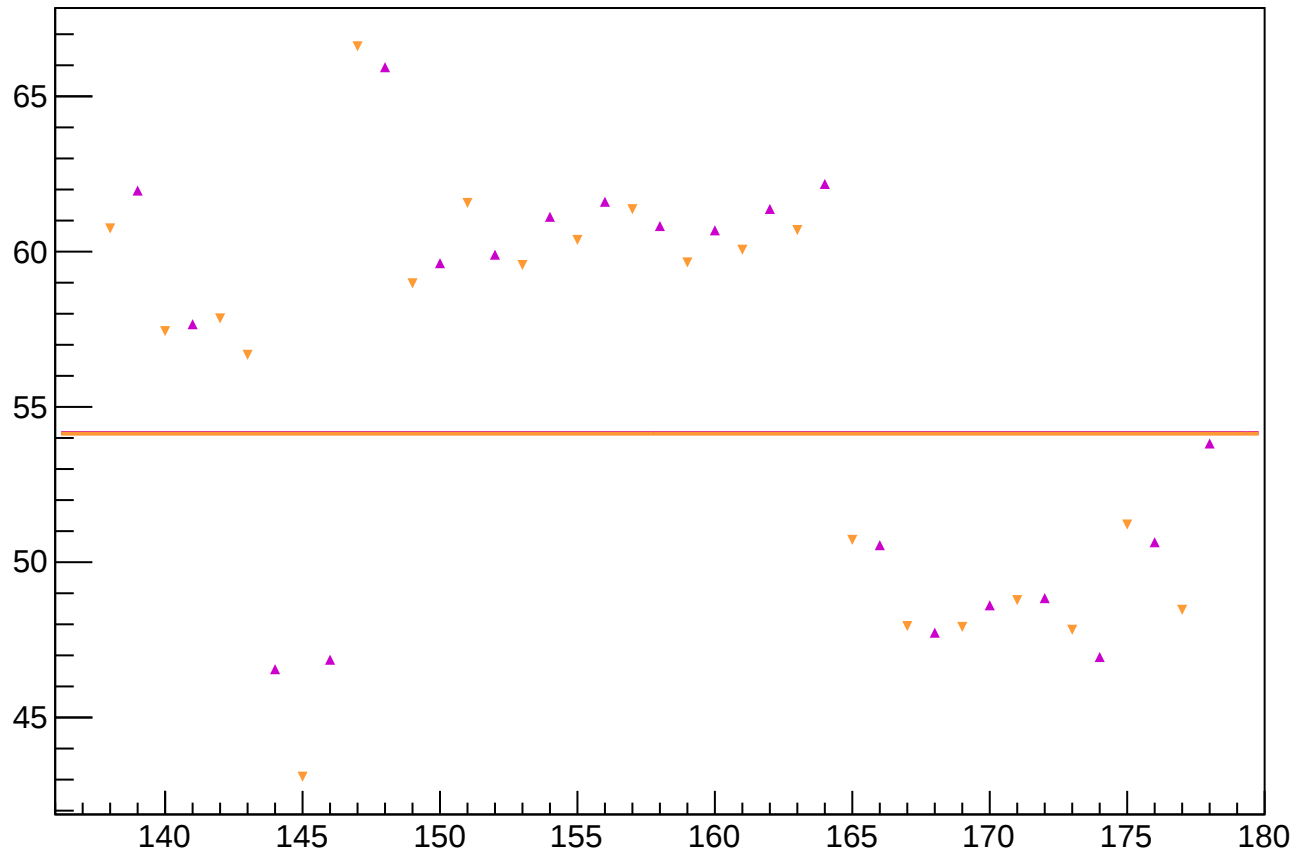
Left In: 27.174 $\pm$ 13.854 χ^2 /NDF:19.1/19

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

All: 20.073 $\pm$ 9.745 χ^2 /NDF: 57.8/40

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

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 54.140+/-0.010 χ^2/NDF : 445961.1/20

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

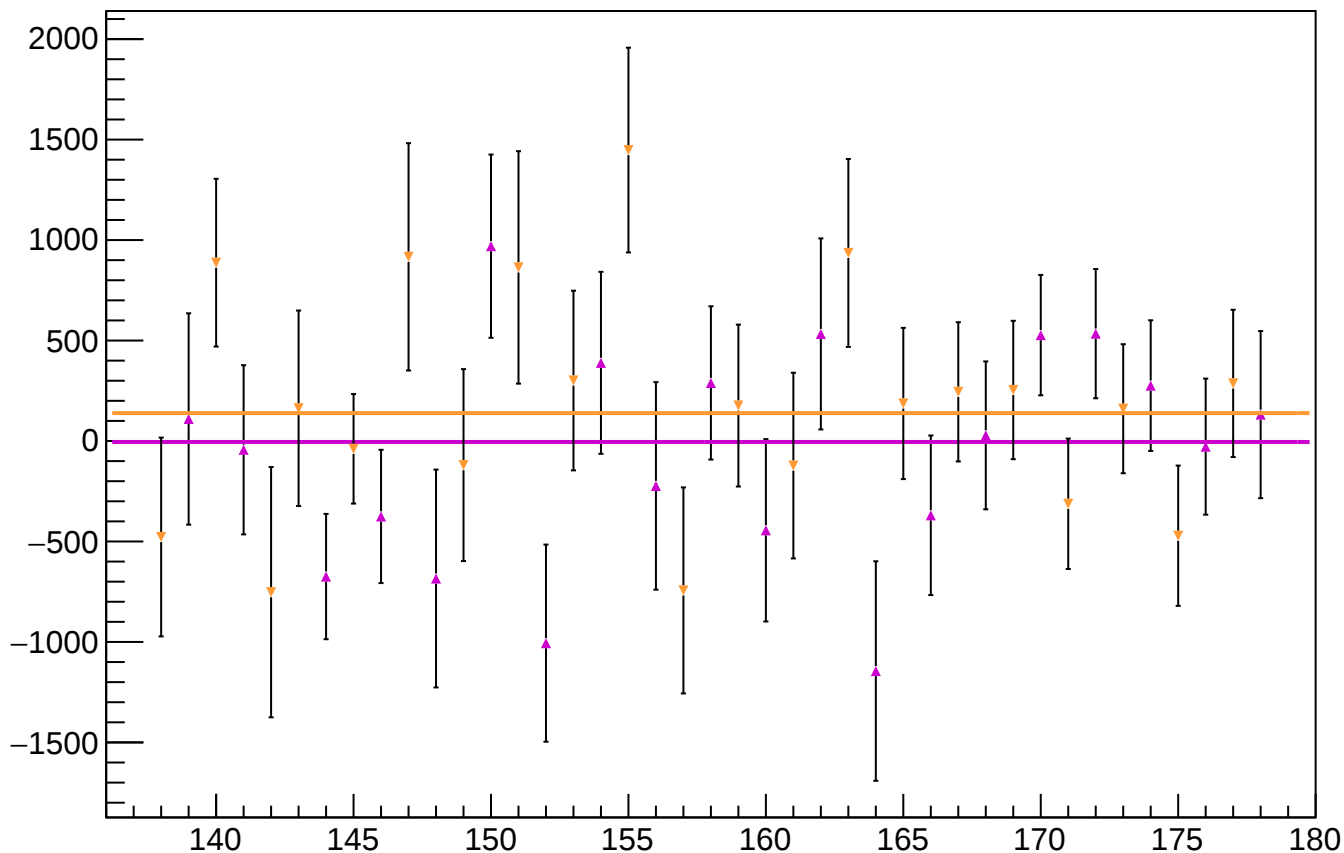
Left In: 54.160+/-0.010 χ^2/NDF : 435552.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 54.150+/-0.007 χ^2/NDF : 881515.9/40

- 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: 138.902 $\pm$ 88.617 χ^2 /NDF:29.3/20

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

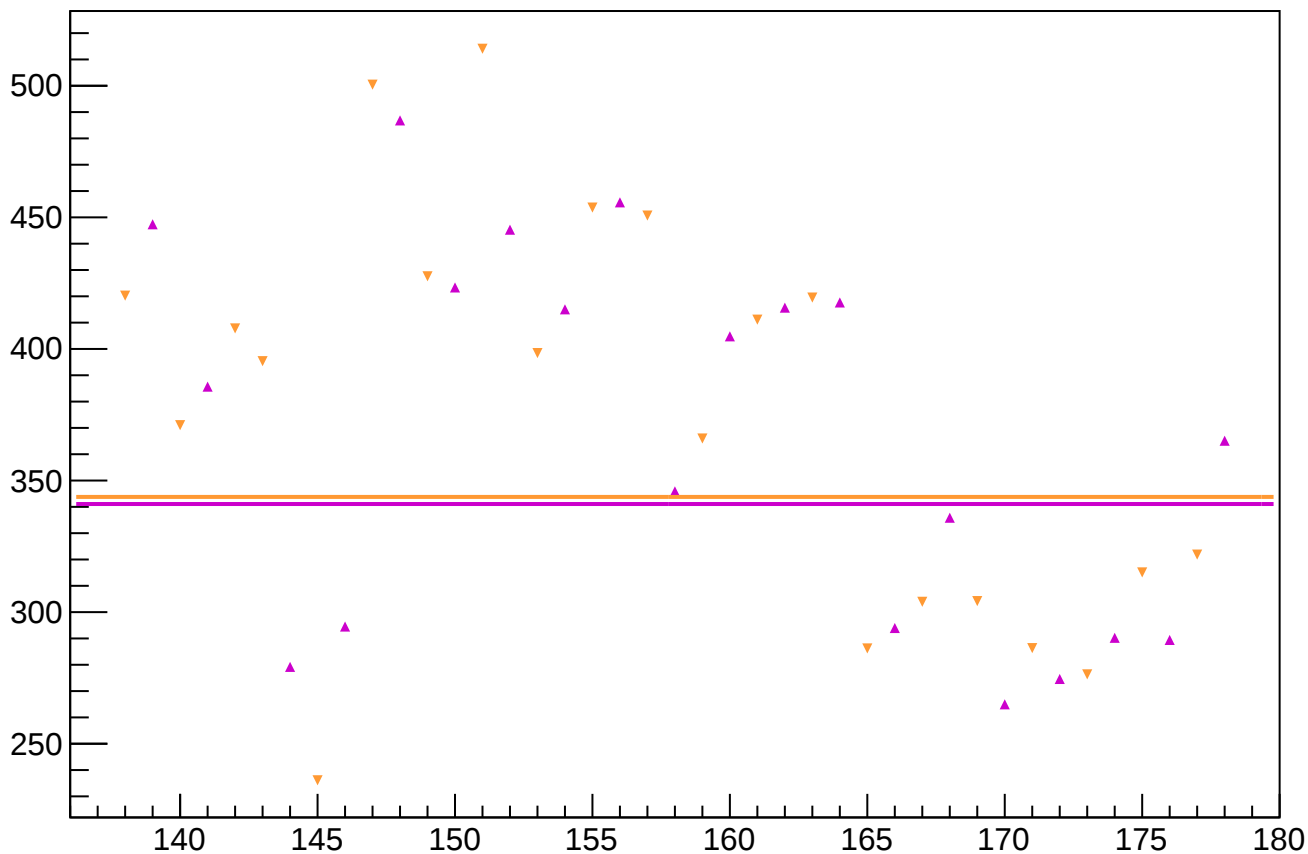
Left In: -4.773 $\pm$ 88.510 χ^2 /NDF:32.0/19

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

All: 66.978 $\pm$ 62.624 χ^2 /NDF: 62.6/40

- 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: 343.779+/-0.063 χ^2/NDF :1382694.0/20

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

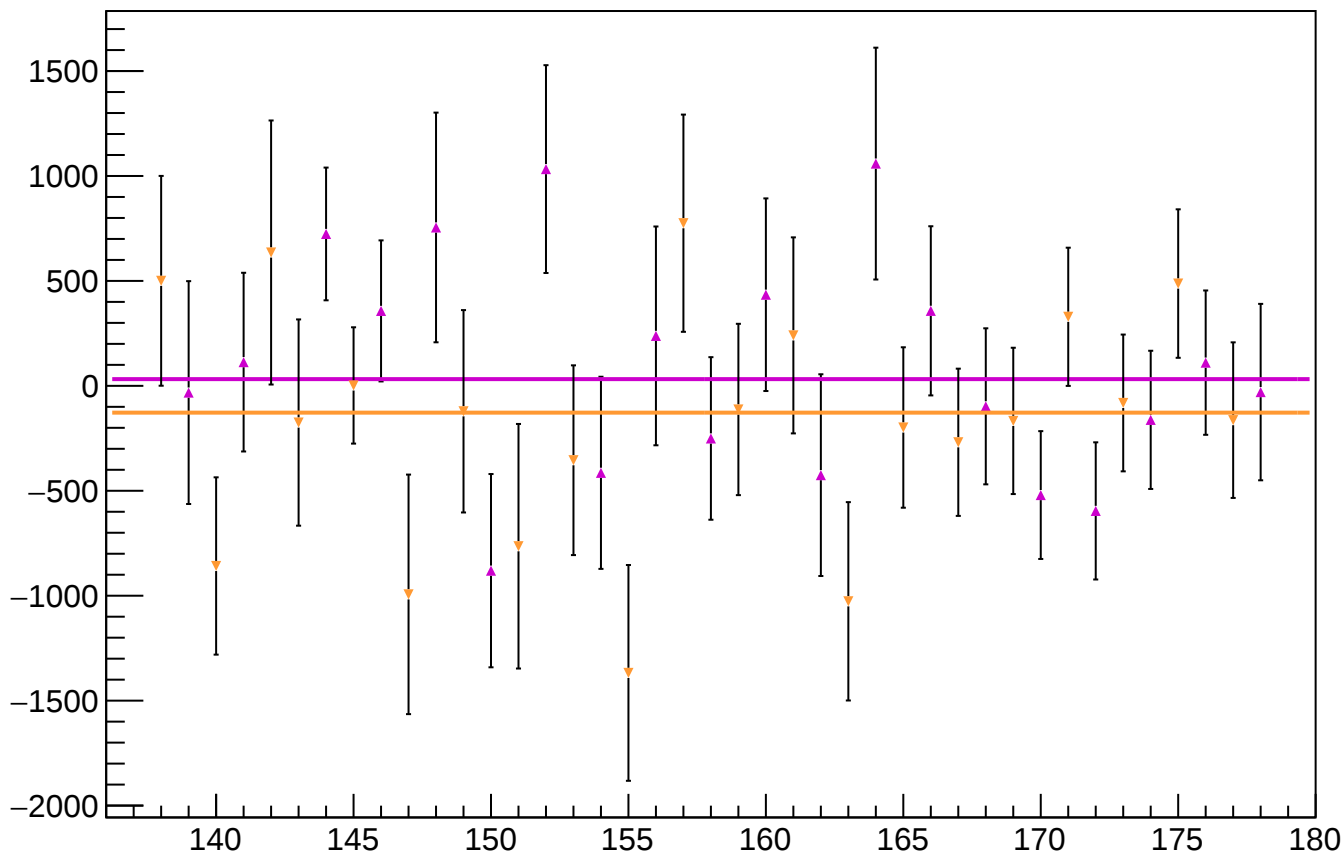
Left In: 341.079+/-0.063 χ^2/NDF :1147798.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 342.428+/-0.044 χ^2/NDF : 2531421.4/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -127.672 $\pm$ 89.733 χ^2 /NDF:28.3/20

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

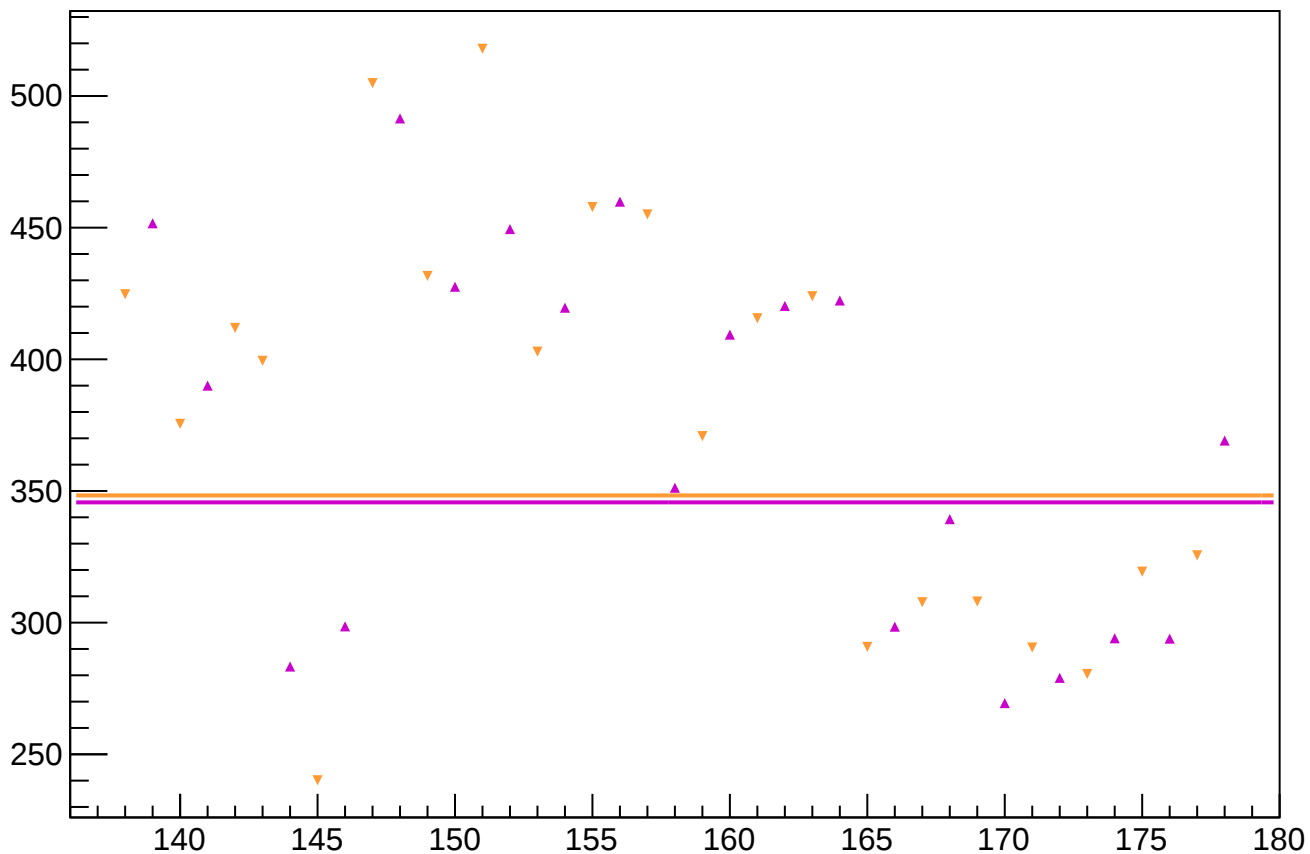
Left In: 32.033 $\pm$ 89.655 χ^2 /NDF:30.5/19

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

All: -47.750 $\pm$ 63.423 χ^2 /NDF: 60.4/40

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

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 348.315+/-0.063 χ^2/NDF :1353304.8/20

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

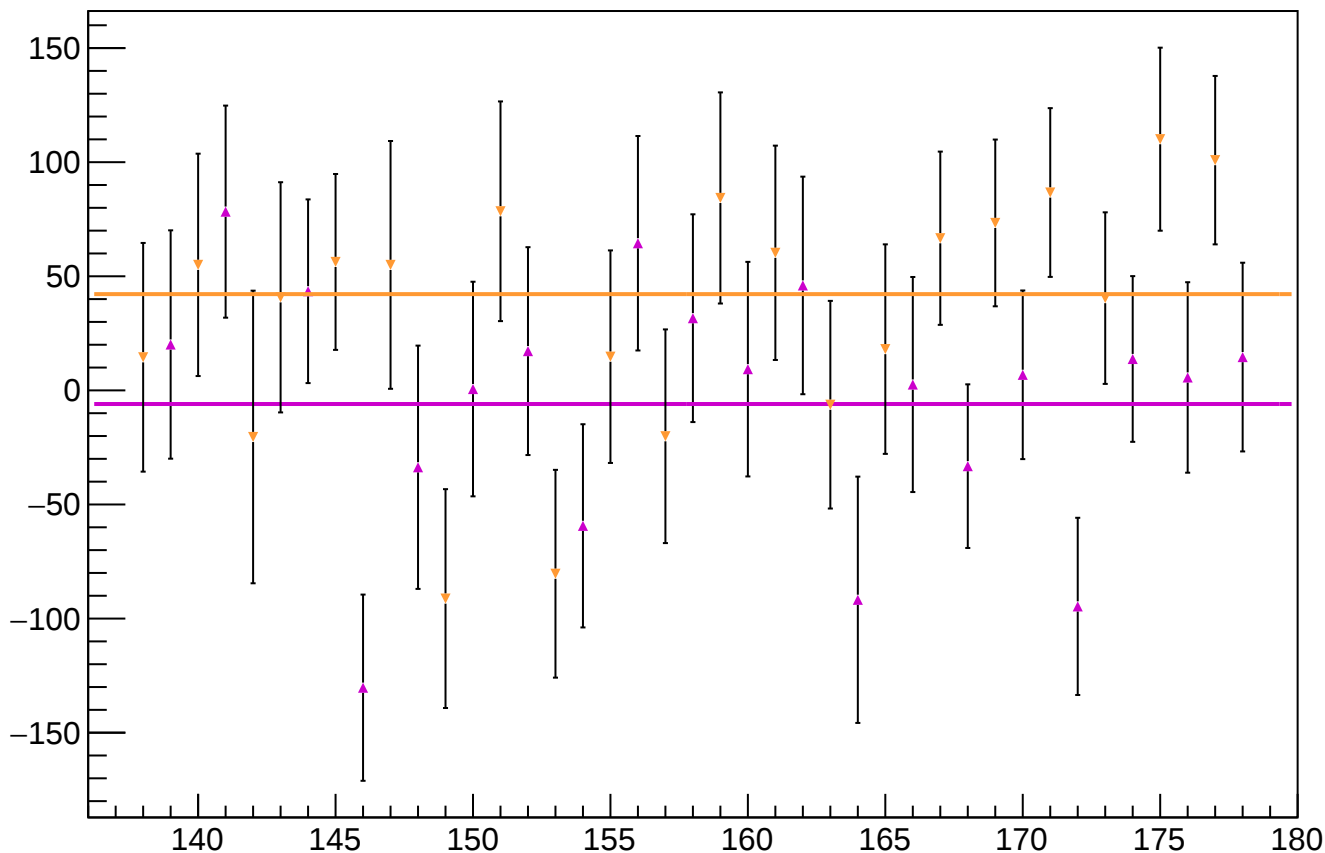
Left In: 345.674+/-0.063 χ^2/NDF :1122562.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 346.993+/-0.045 χ^2/NDF : 2476734.3/40

- 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: 42.181 $\pm$ 9.600 χ^2 /NDF: 29.6/20

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

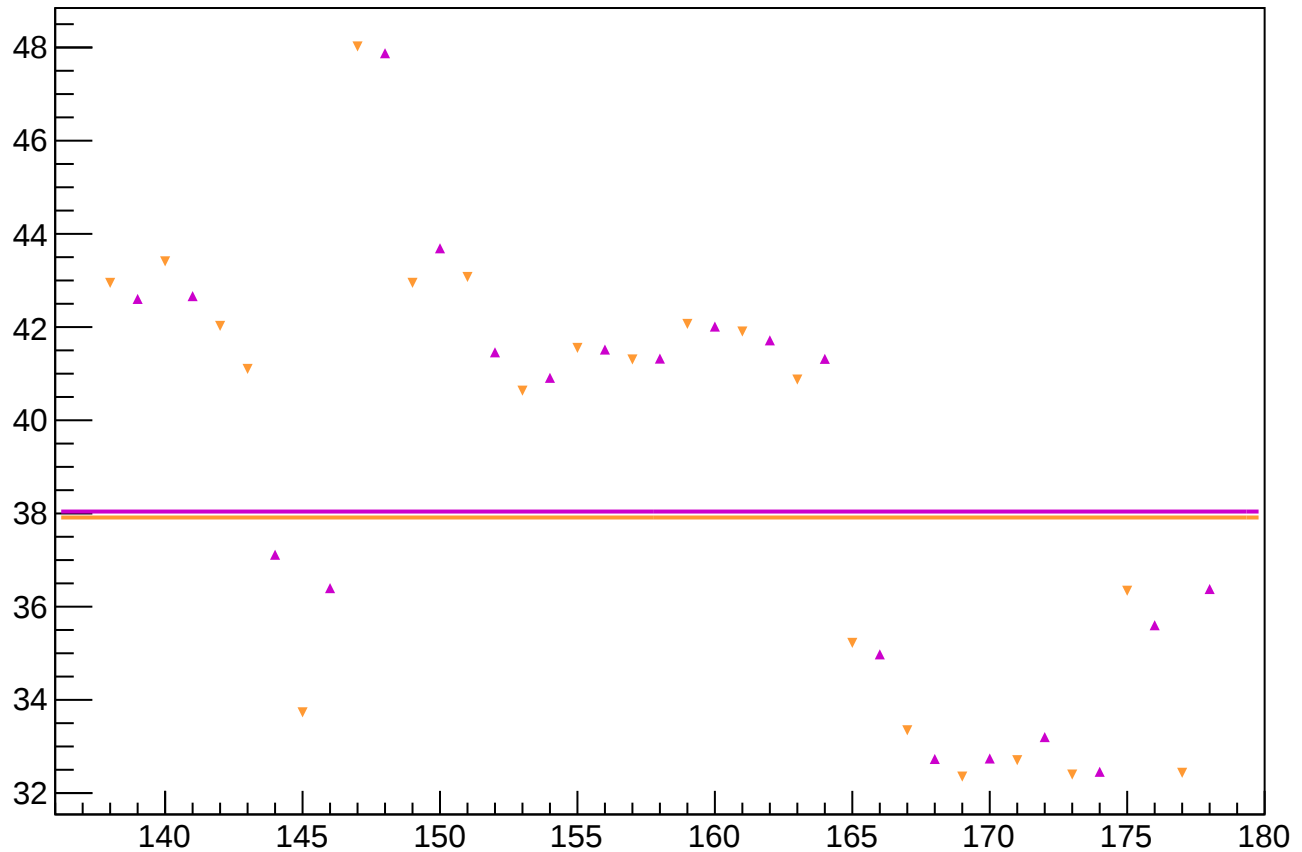
Left In: -5.973 $\pm$ 9.720 χ^2 /NDF: 29.7/19

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

All: 18.404 $\pm$ 6.830 χ^2 /NDF: 71.7/40

- 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: 37.914+/-0.007 χ^2/NDF : 480671.3/20

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

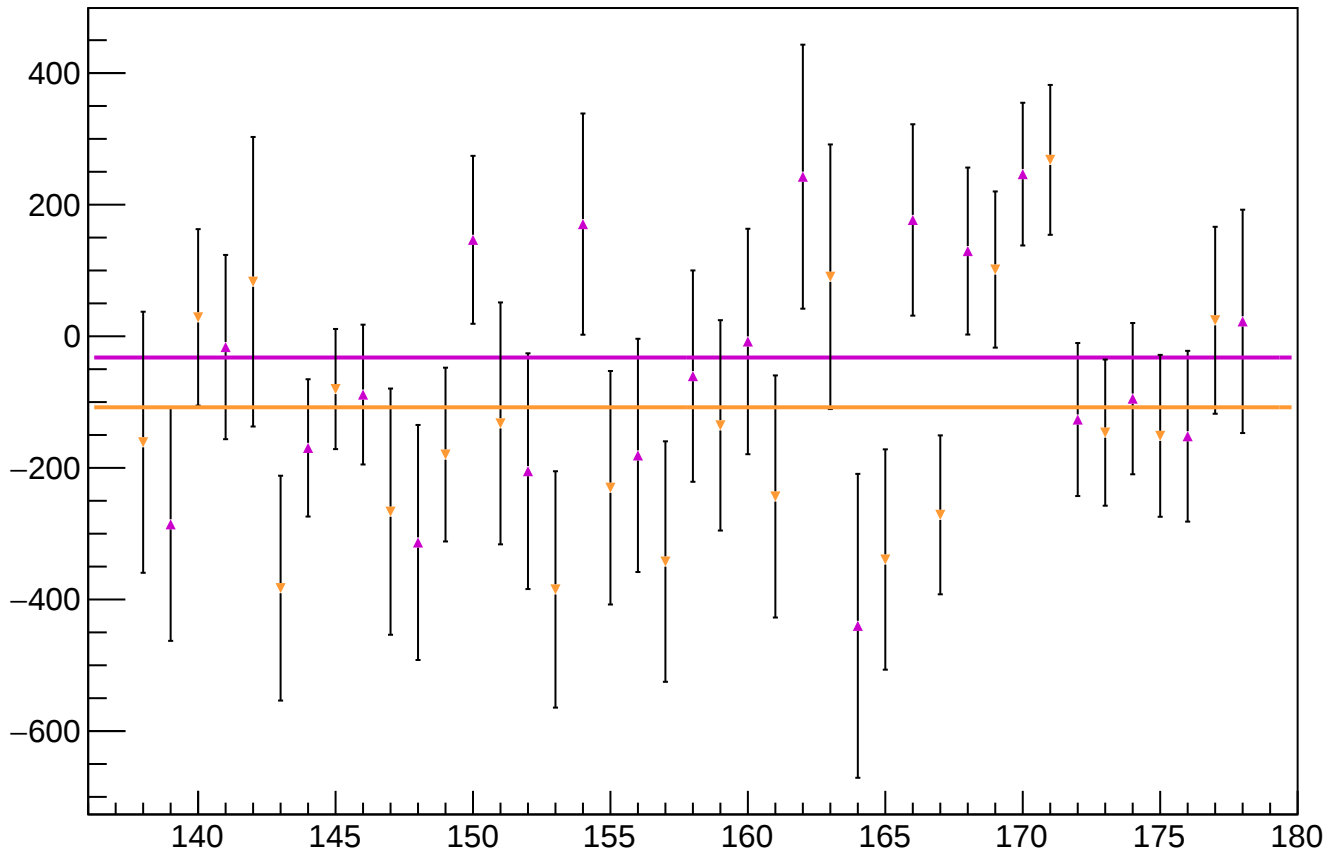
Left In: 38.041+/-0.007 χ^2/NDF : 394015.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 37.977+/-0.005 χ^2/NDF : 874861.5/40

- 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: -107.896+/-31.520 χ^2/NDF : 30.5/20

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

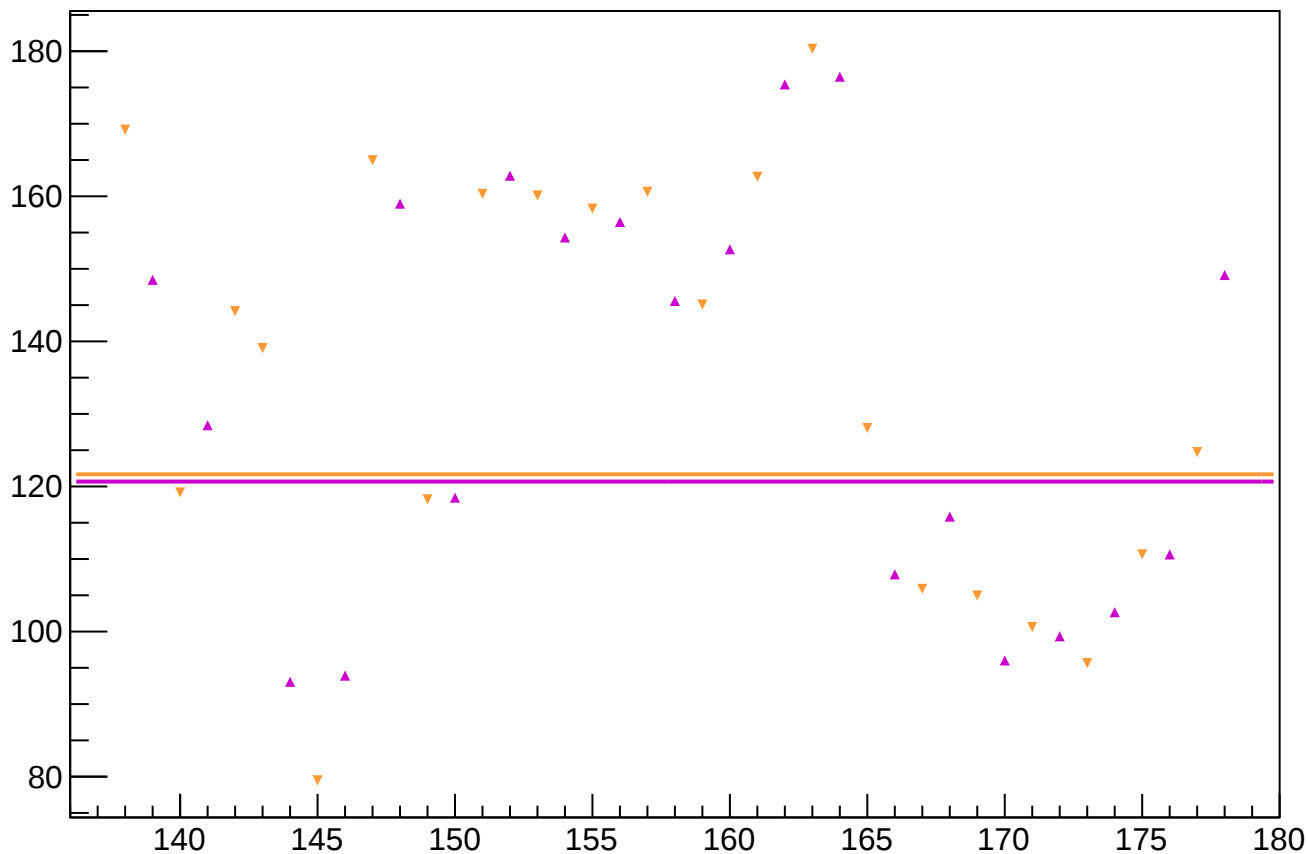
Left In: -32.269+/-31.480 χ^2/NDF : 28.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -70.035+/-22.274 χ^2/NDF : 62.2/40

- 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: 121.679+/-0.022 χ^2/NDF :1633132.4/20

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

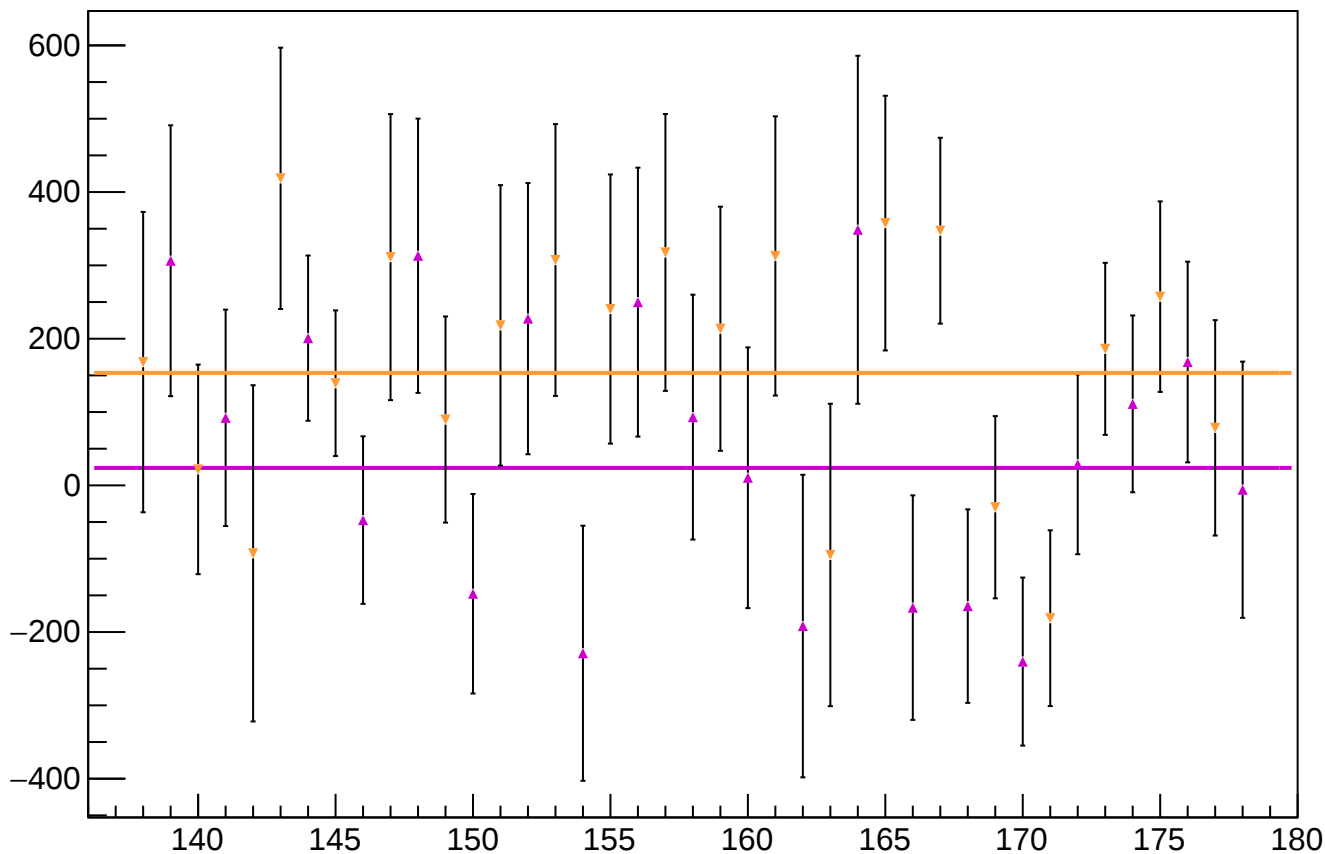
Left In: 120.675+/-0.022 χ^2/NDF :1377395.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 121.177+/-0.016 χ^2/NDF : 3011543.4/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 153.412 $\pm$ 33.130 χ^2 /NDF:23.8/20

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

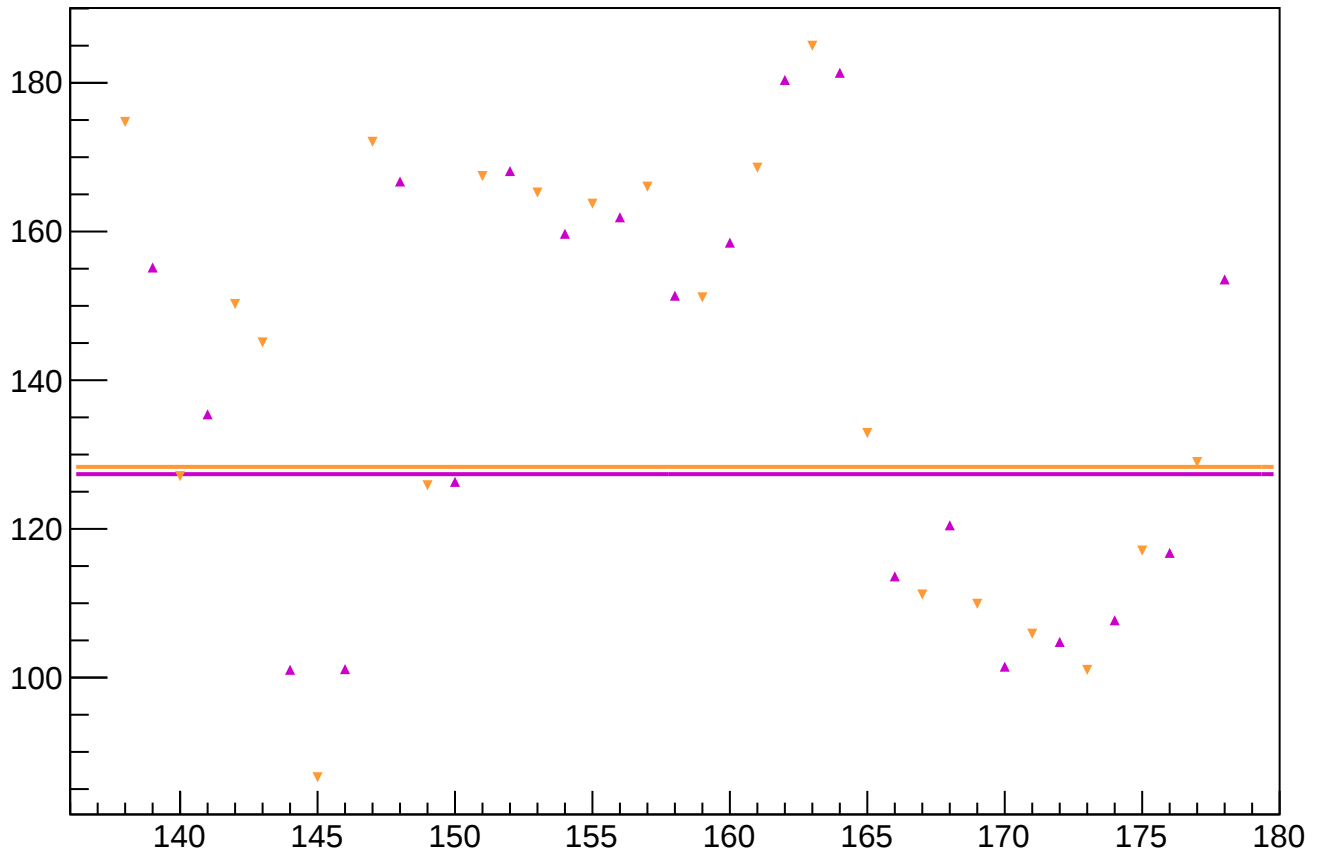
Left In: 23.812 $\pm$ 33.118 χ^2 /NDF:27.9/19

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

All: 88.588 $\pm$ 23.422 χ^2 /NDF: 59.4/40

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

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 128.344+/-0.023 χ^2/NDF :1463861.5/20

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

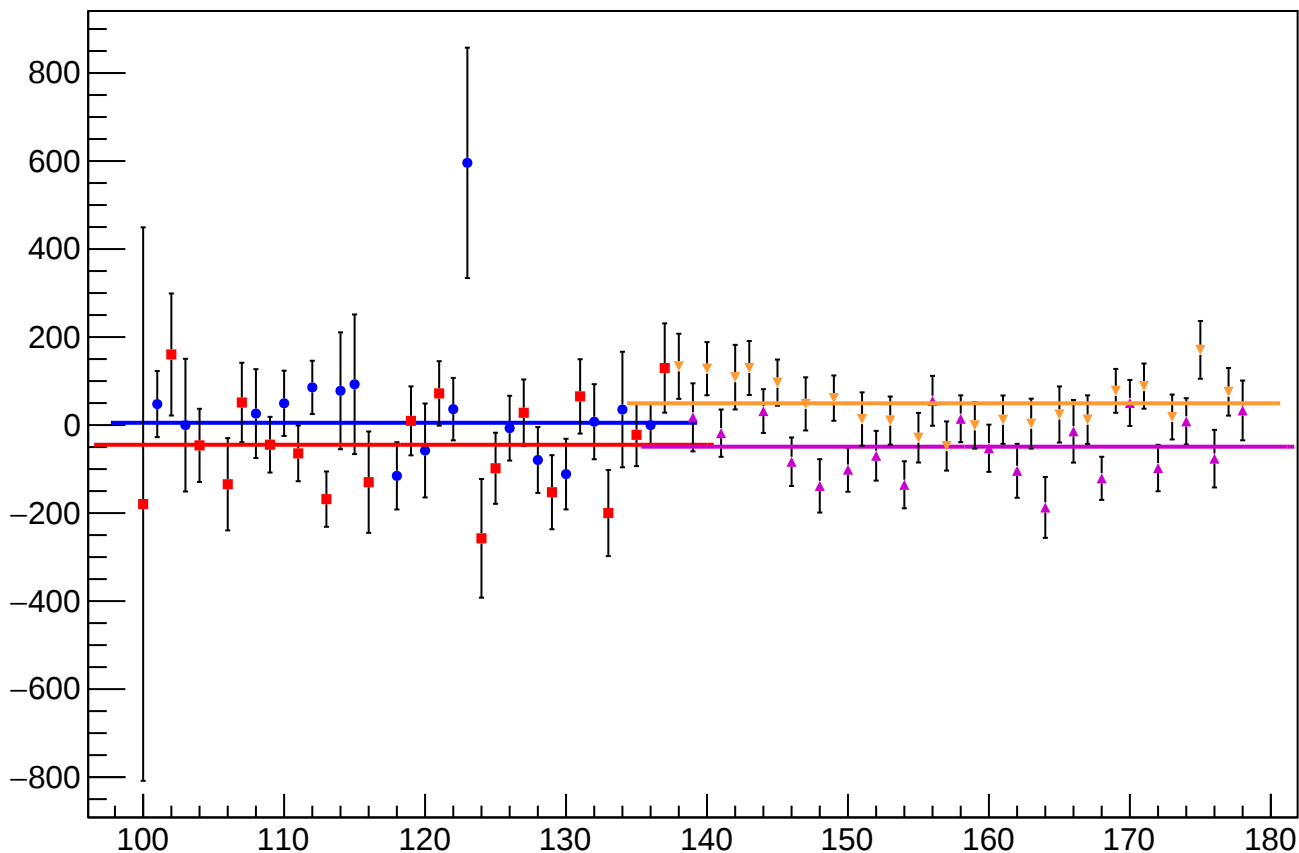
Left In: 127.363+/-0.023 χ^2/NDF :1231869.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 127.853+/-0.017 χ^2/NDF : 2696607.3/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 49.533 ± 12.423 χ^2/NDF : 19.6/20

Right Out: -44.715 ± 19.410 χ^2/NDF : 24.4/18

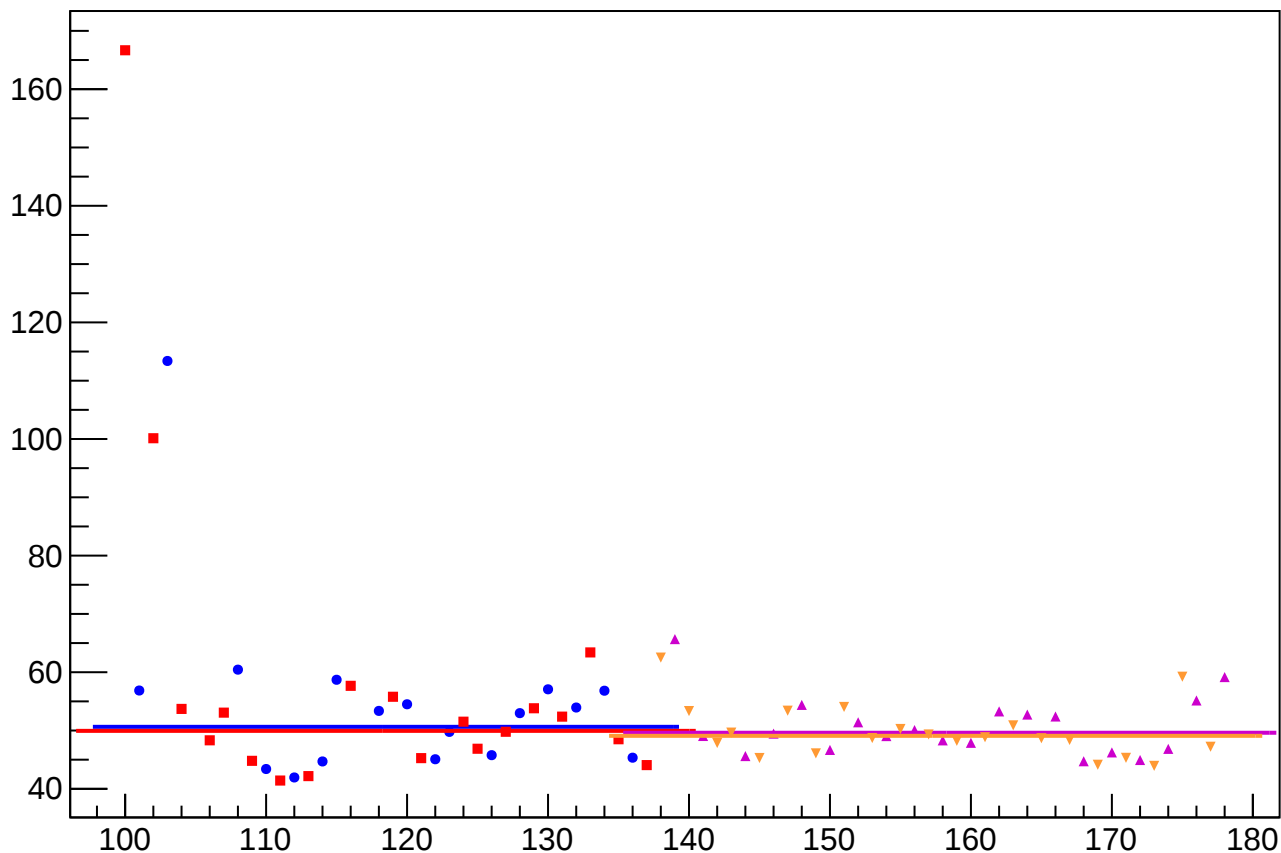
Left In: -49.101 ± 12.681 χ^2/NDF : 29.4/19

+ sign 37.329 ± 10.575 χ^2/NDF : 37.8/37

All: -5.065 ± 7.492 χ^2/NDF : 123.9/76

- sign -47.789 ± 10.616 χ^2/NDF : 53.8/38

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.092 $\pm$ 0.009 χ^2 /NDF: 222487.8/20

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

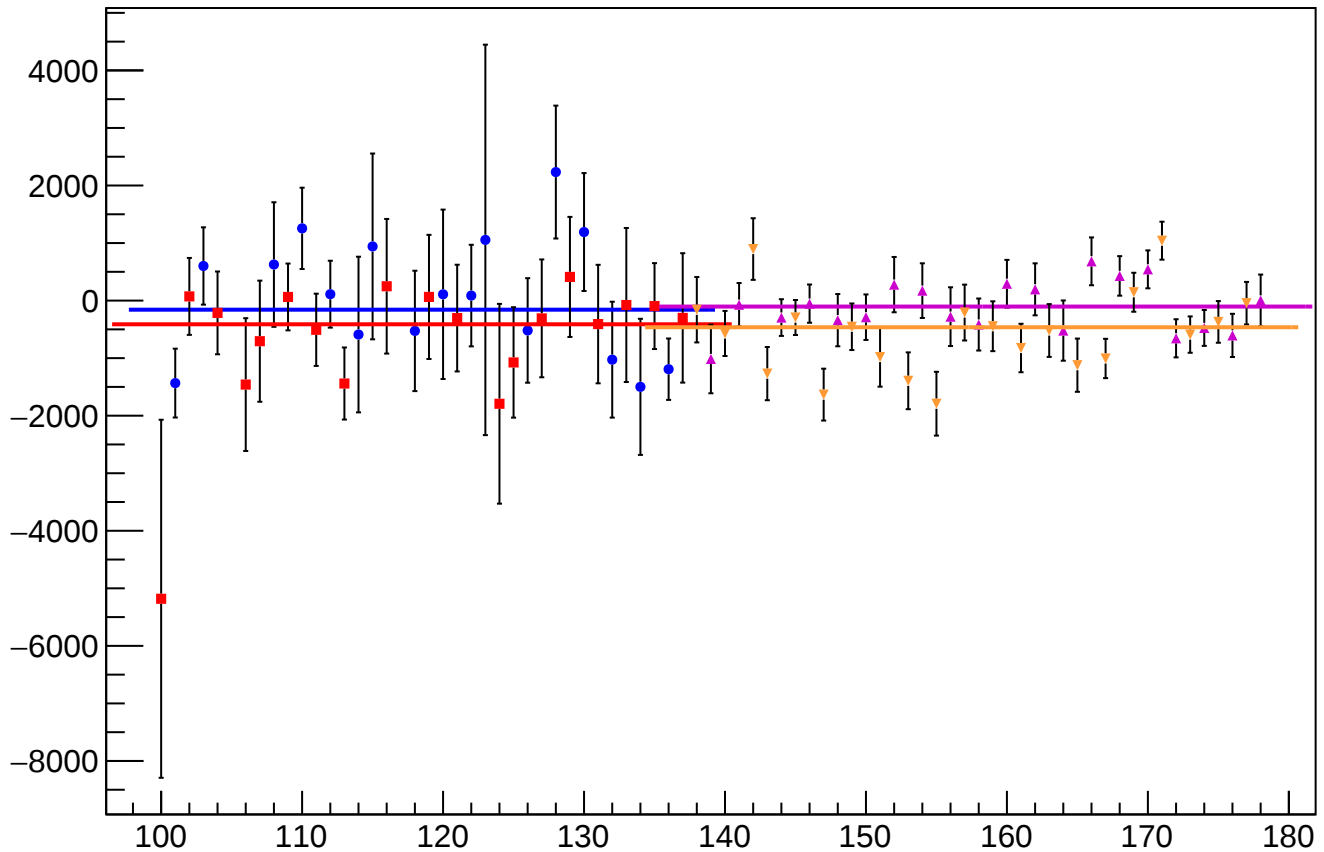
Left In: 49.618 $\pm$ 0.009 χ^2 /NDF: 242035.6/19

+ sign 49.517 $\pm$ 0.007 χ^2 /NDF: 750671.4/37

All: 49.616 $\pm$ 0.005 χ^2 /NDF: 1493938.7/76

- sign 49.715 $\pm$ 0.008 χ^2 /NDF: 742916.0/38

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 ± 210.181 χ^2/NDF : 23.5/16

Left Out: -463.342 ± 88.782 χ^2/NDF : 58.3/20

Right Out: -411.611 ± 203.633 χ^2/NDF : 9.8/18

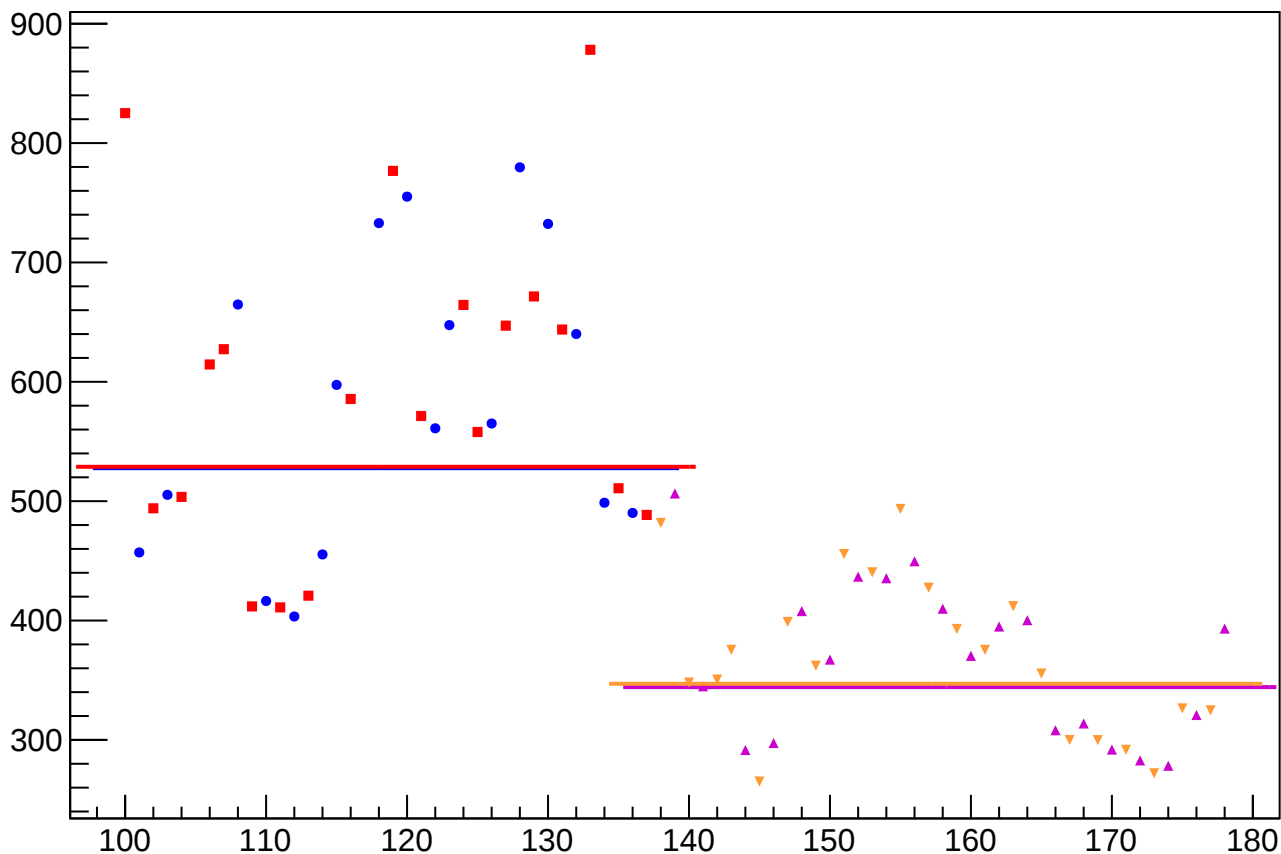
Left In: -103.815 ± 88.807 χ^2/NDF : 22.6/19

+ sign -417.110 ± 81.785 χ^2/NDF : 83.6/37

All: -284.438 ± 57.695 χ^2/NDF : 123.2/76

- sign -153.001 ± 81.403 χ^2/NDF : 34.3/38

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 347.026 $\pm$ 0.063 χ^2 /NDF: 982281.5/20

Right Out: 528.806 $\pm$ 0.144 χ^2 /NDF: 623364.6/18

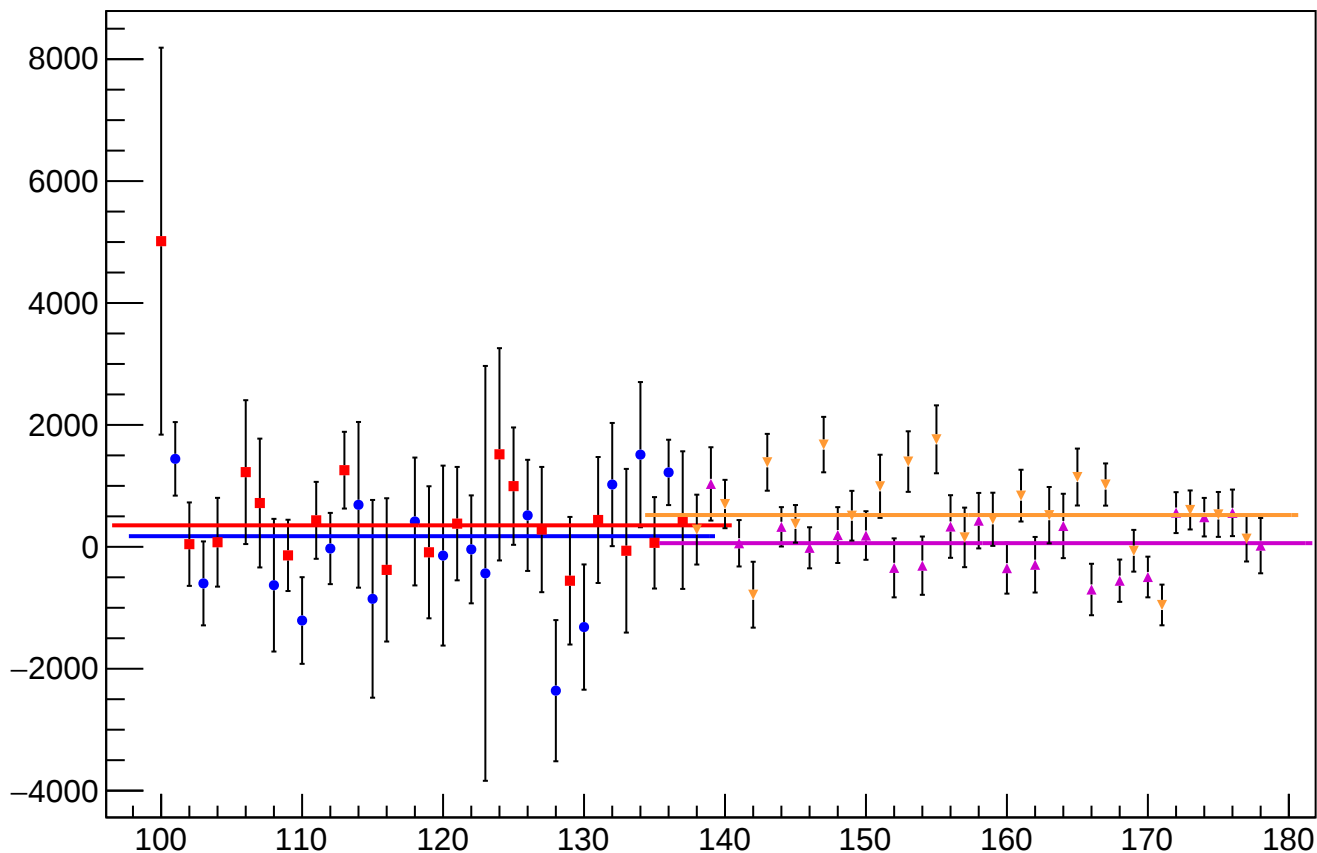
Left In: 344.239 $\pm$ 0.063 χ^2 /NDF: 891025.8/19

+ sign 374.376 $\pm$ 0.058 χ^2 /NDF: 2793297.2/37

All: 374.053 $\pm$ 0.041 χ^2 /NDF: 5688203.1/76

- sign 373.734 $\pm$ 0.058 χ^2 /NDF: 2894843.8/38

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 ± 211.662 χ^2/NDF : 23.7/16

Left Out: 521.595 ± 89.742 χ^2/NDF : 53.9/20

Right Out: 352.570 ± 205.204 χ^2/NDF : 8.4/18

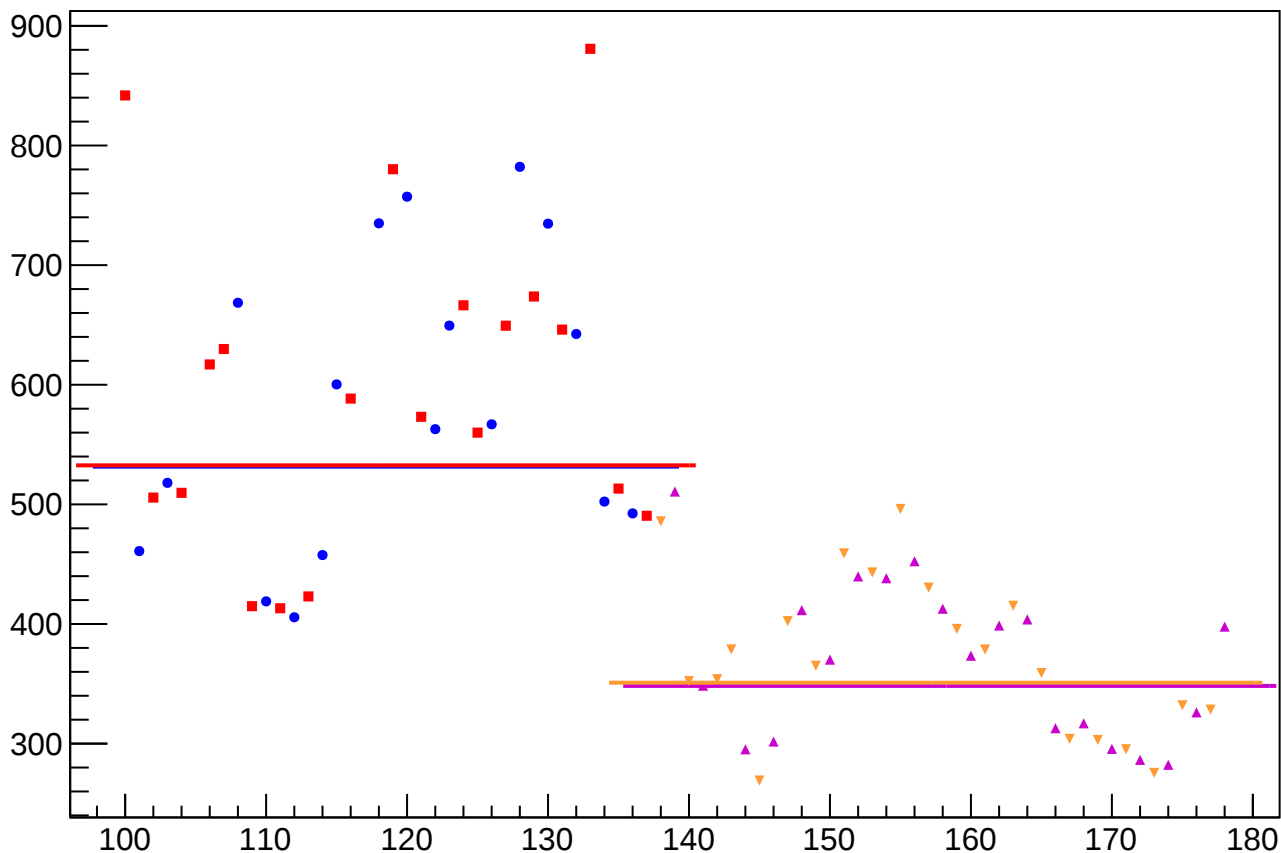
Left In: 60.231 ± 89.802 χ^2/NDF : 22.5/19

+ sign 468.723 ± 82.622 χ^2/NDF : 79.9/37

All: 287.196 ± 58.297 χ^2/NDF : 122.1/76

- sign 107.219 ± 82.269 χ^2/NDF : 32.7/38

asym_sam_1357_avg_rms vs Slug



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 350.940 $\pm$ 0.063 χ^2 /NDF: 955392.6/20

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

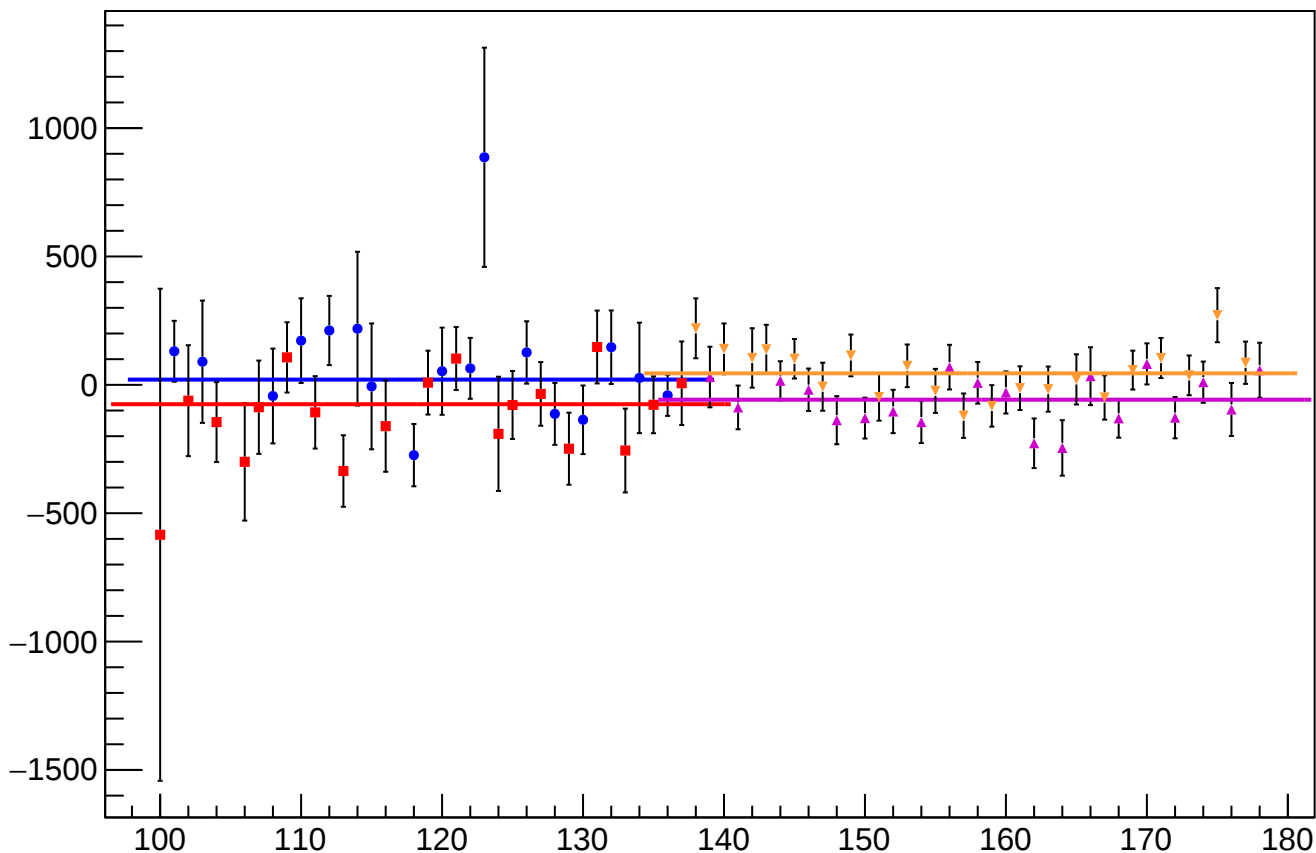
Left In: 348.244 $\pm$ 0.063 χ^2 /NDF: 866781.3/19

+ sign 378.461 $\pm$ 0.058 χ^2 /NDF: 2739865.1/37

All: 378.169 $\pm$ 0.041 χ^2 /NDF: 5577545.7/76

- sign 377.879 $\pm$ 0.058 χ^2 /NDF: 2837630.8/38

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 44.917 $\pm$ 19.144 χ^2 /NDF:21.5/20

Right Out: -75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

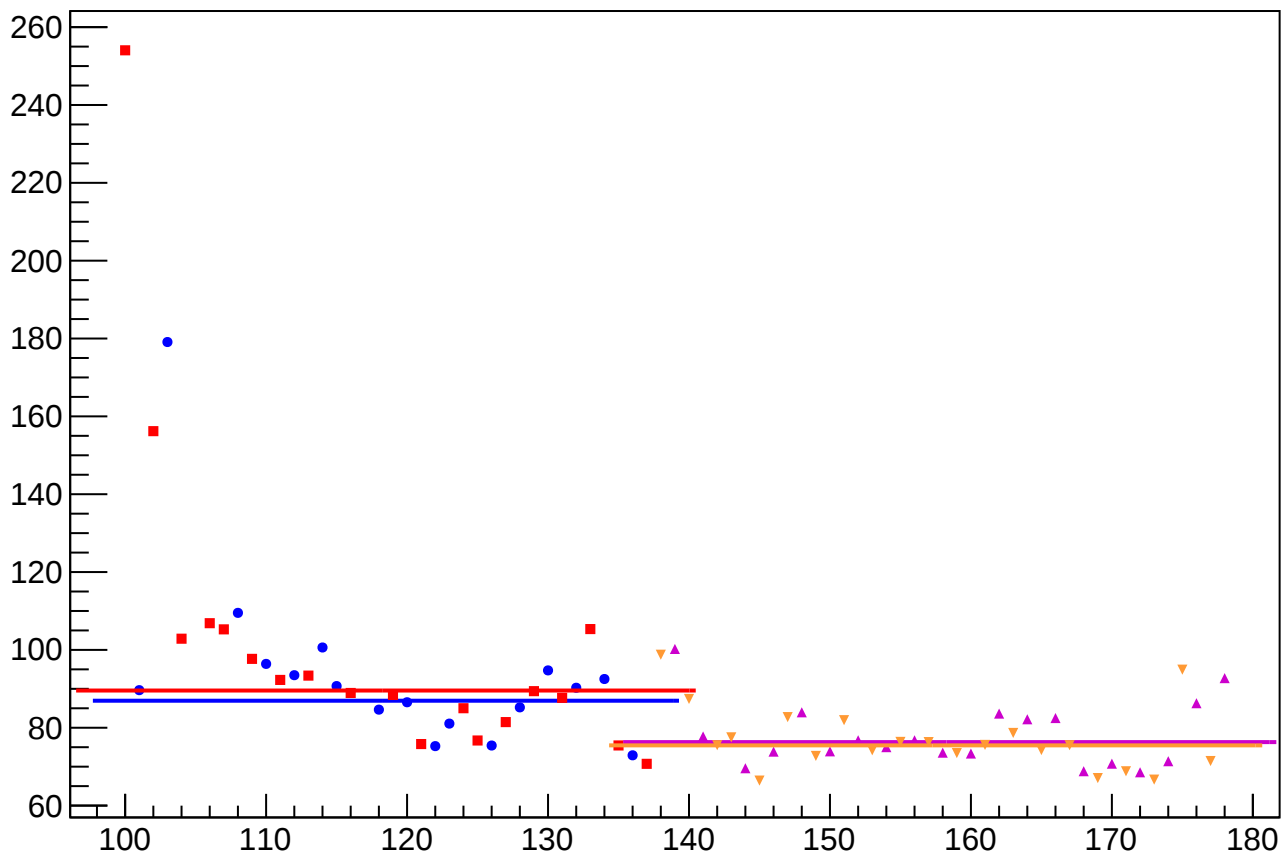
Left In: -57.866 $\pm$ 19.548 χ^2 /NDF:21.2/19

+ sign 39.176 $\pm$ 16.749 χ^2 /NDF: 41.2/37

All: -10.619 $\pm$ 11.942 χ^2 /NDF: 96.0/76

- sign -62.103 $\pm$ 17.031 χ^2 /NDF: 36.8/38

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 75.472 $\pm$ 0.014 χ^2 /NDF: 304325.2/20

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

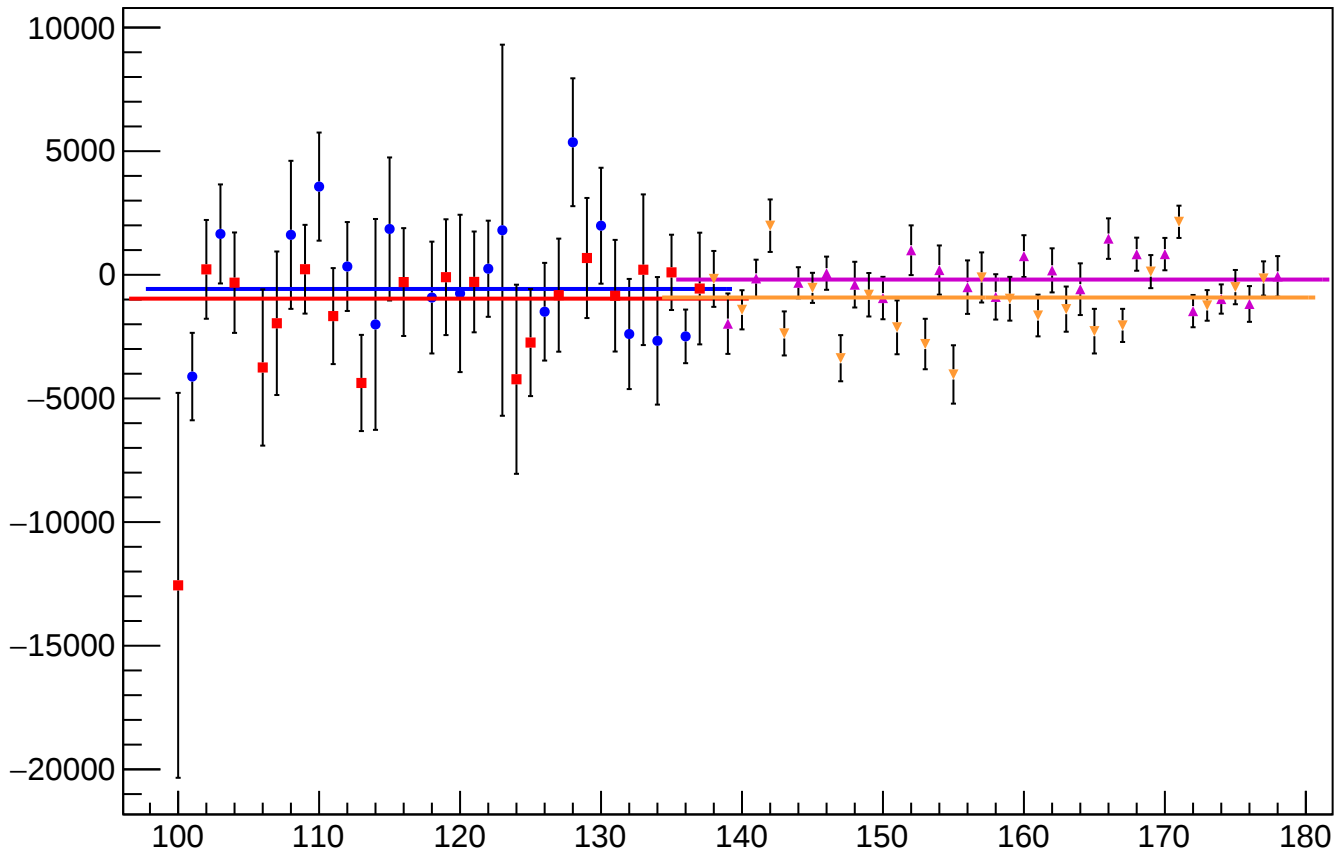
Left In: 76.310 $\pm$ 0.014 χ^2 /NDF: 265225.4/19

+ sign 78.163 $\pm$ 0.012 χ^2 /NDF: 928539.5/37

All: 78.821 $\pm$ 0.008 χ^2 /NDF: 1852697.1/76

- sign 79.502 $\pm$ 0.012 χ^2 /NDF: 917870.9/38

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -918.150 ± 177.160 χ^2/NDF : 63.0/20

Right Out: -963.846 ± 514.621 χ^2/NDF : 10.1/18

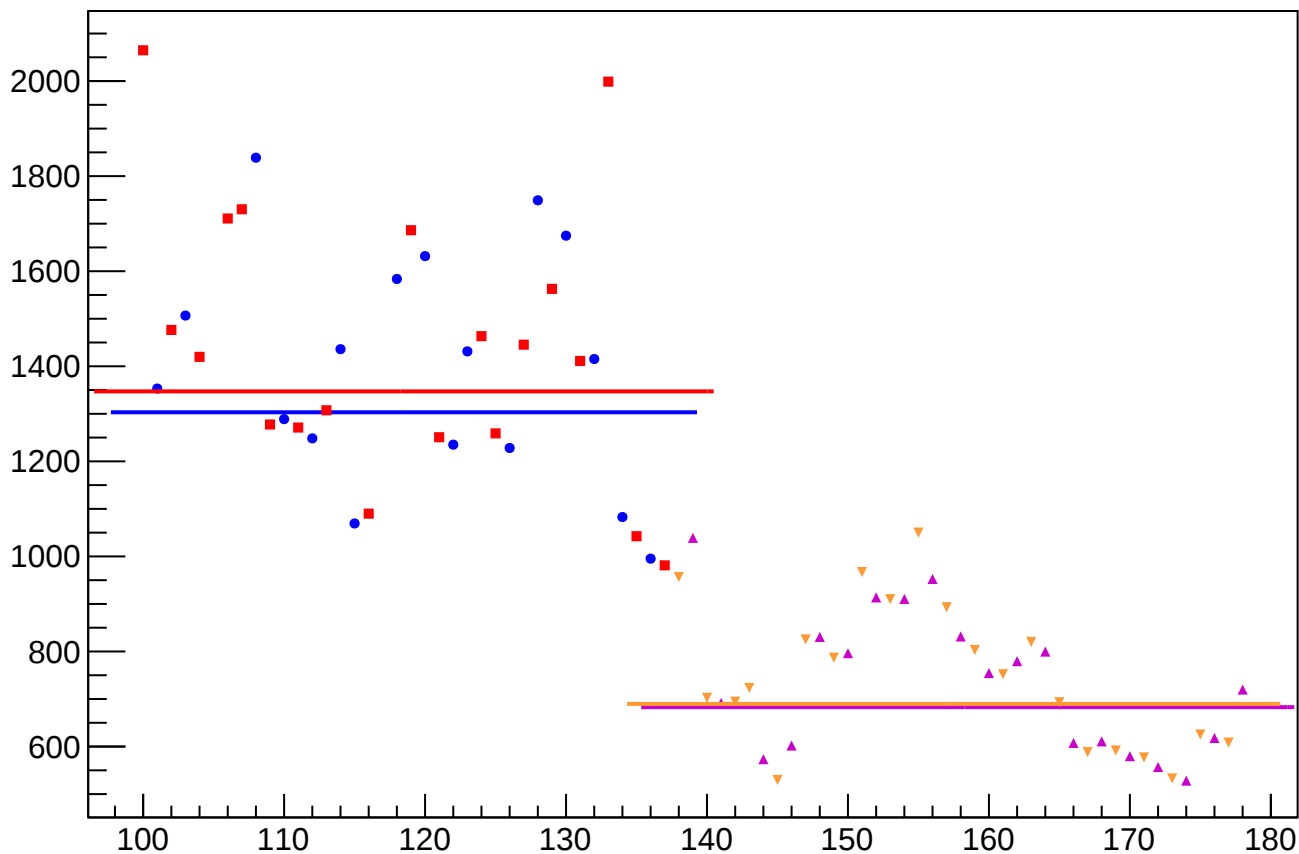
Left In: -191.867 ± 176.827 χ^2/NDF : 23.3/19

+ sign -881.814 ± 167.595 χ^2/NDF : 85.3/37

All: -576.938 ± 118.378 χ^2/NDF : 127.3/76

- sign -273.386 ± 167.230 χ^2/NDF : 35.4/38

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 689.721+/-0.125 χ^2/NDF : 1215738.9/20

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

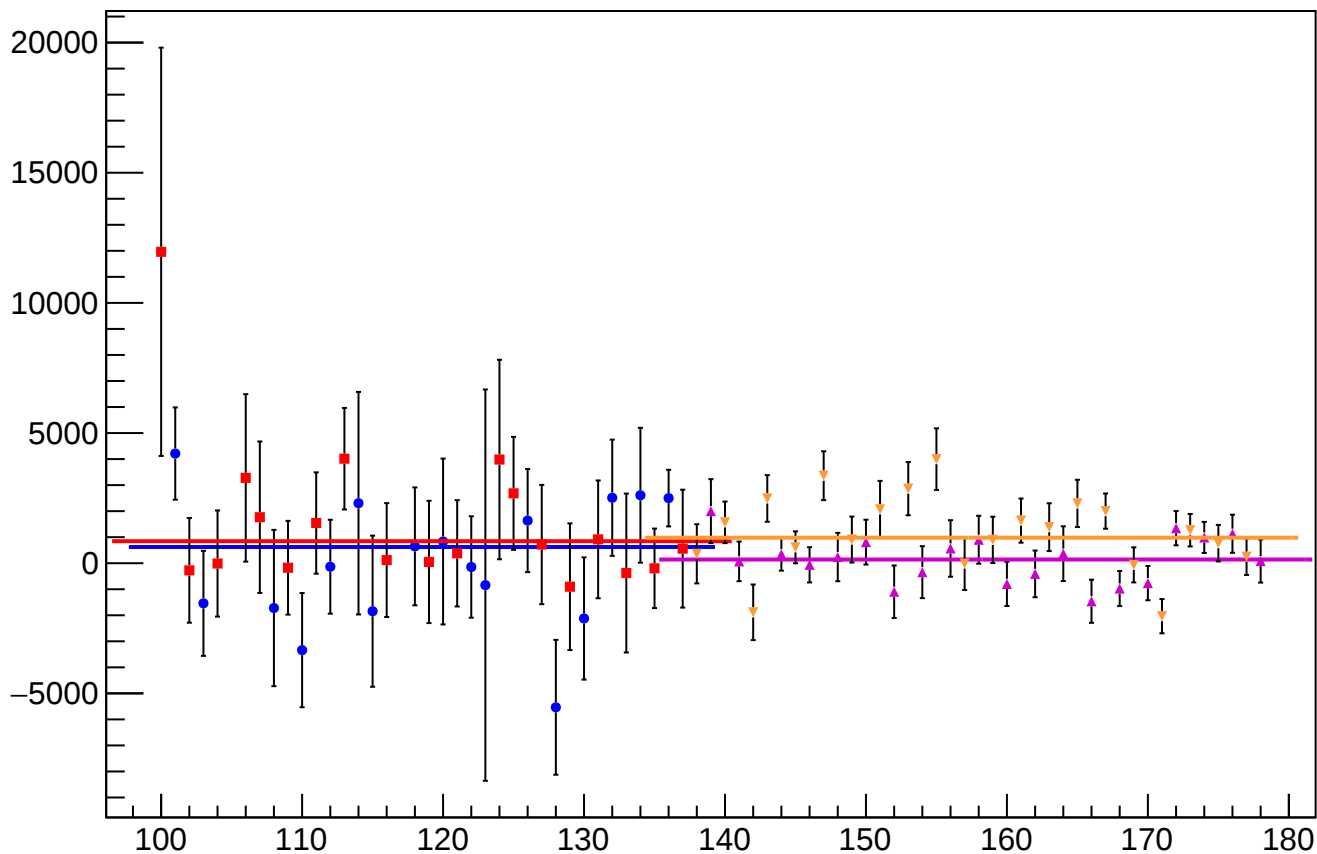
Left In: 682.899+/-0.125 χ^2/NDF : 1116904.6/19

+ sign 754.183+/-0.119 χ^2/NDF : 4187705.6/37

All: 753.613+/-0.084 χ^2/NDF : 8705922.8/76

- sign 753.045+/-0.118 χ^2/NDF : 4518170.9/38

asym_sam_2468_avg_mean vs Slug



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 980.297+/-178.349 χ^2/NDF : 59.6/20

Right Out: 846.021+/-516.325 χ^2/NDF : 9.1/18

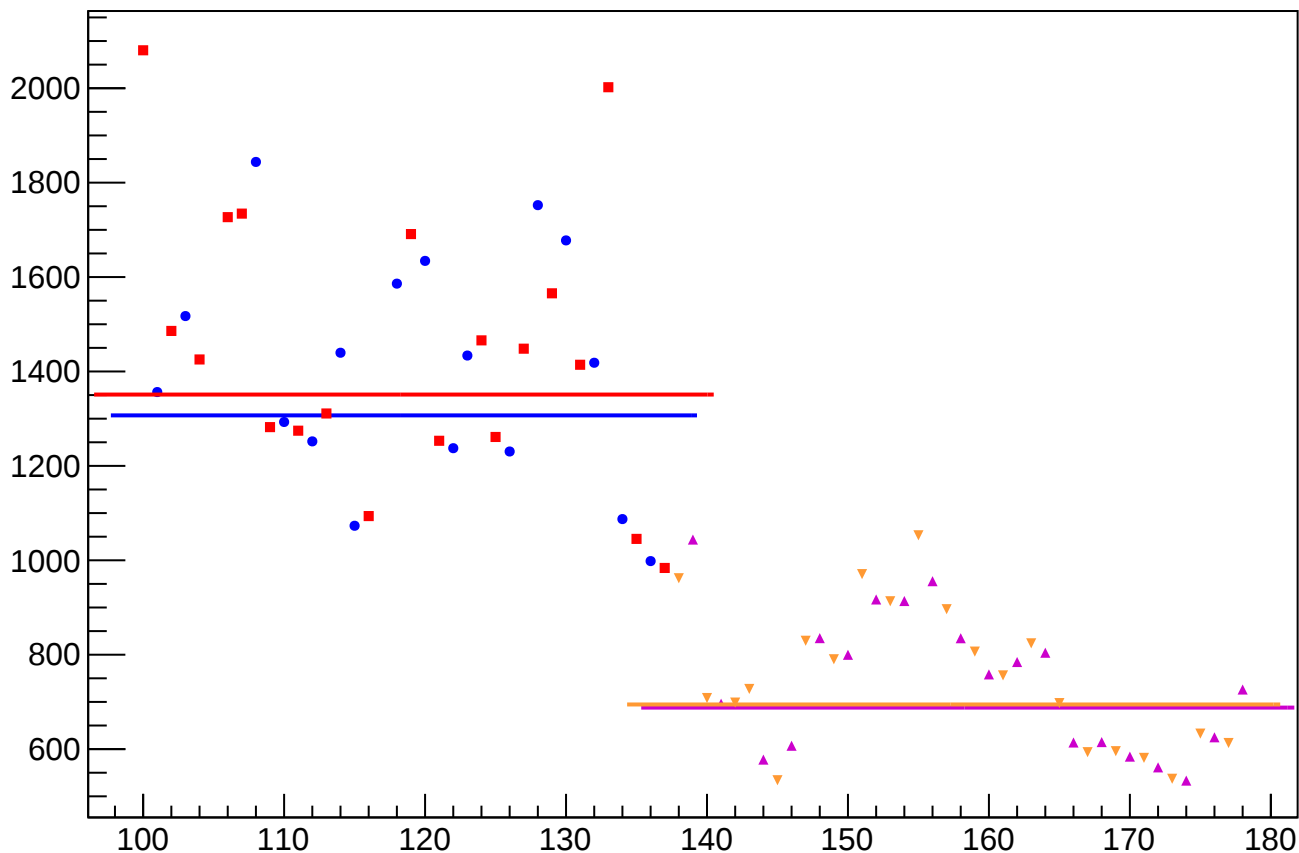
Left In: 142.084+/-178.076 χ^2/NDF : 22.9/19

+ sign 942.432+/-168.651 χ^2/NDF : 82.0/37

All: 579.015+/-119.146 χ^2/NDF : 124.9/76

- sign 216.916+/-168.345 χ^2/NDF : 33.7/38

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 $\chi^2/\text{NDF}: 451191.7/16$

Left Out: 694.578 ± 0.126 $\chi^2/\text{NDF}: 1196150.4/20$

Right Out: 1351.096 ± 0.365 $\chi^2/\text{NDF}: 421804.6/18$

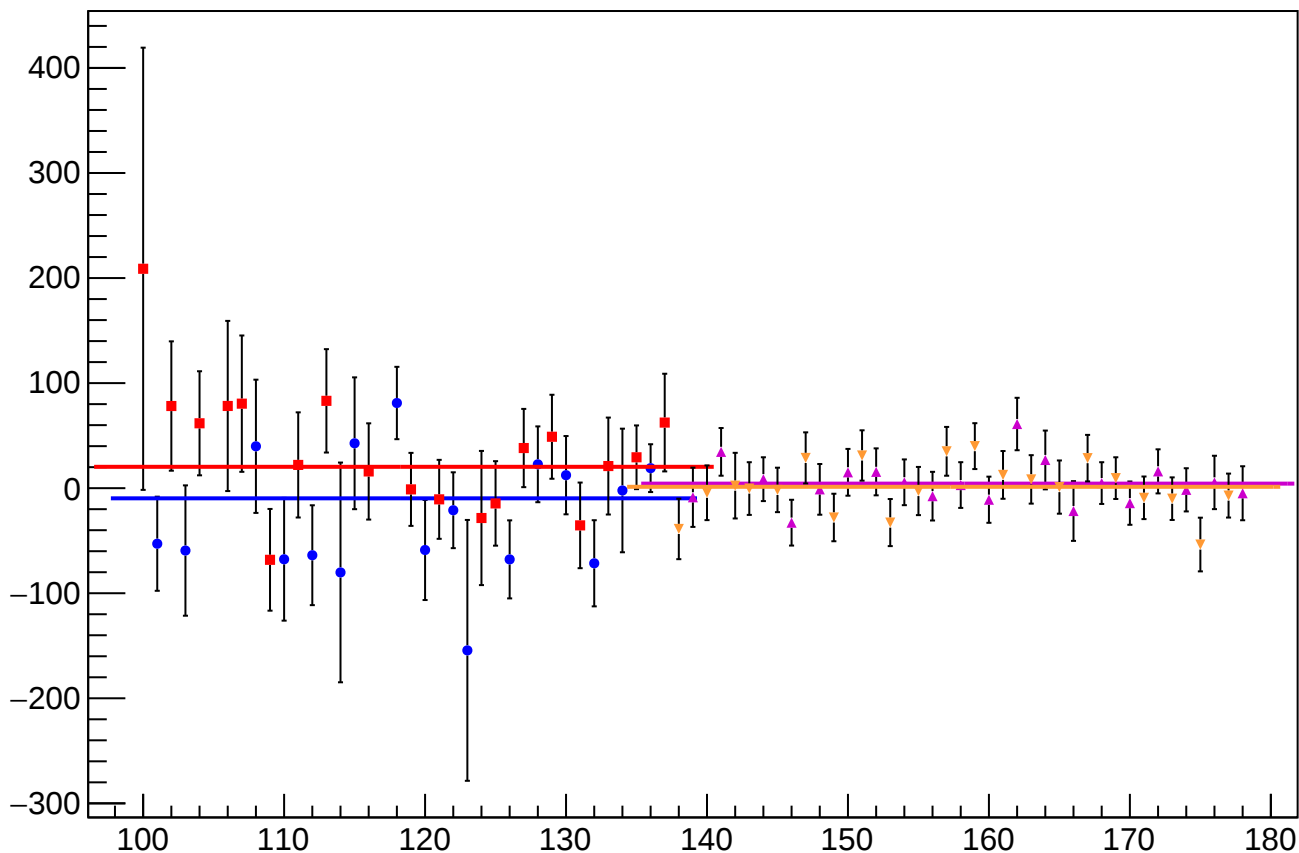
Left In: 687.948 ± 0.126 $\chi^2/\text{NDF}: 1097329.3/19$

+ sign 759.370 ± 0.119 $\chi^2/\text{NDF}: 4142213.7/37$

All: 758.906 ± 0.084 $\chi^2/\text{NDF}: 8609835.9/76$

- sign 758.444 ± 0.119 $\chi^2/\text{NDF}: 4467592.0/38$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 1.302 ± 5.038 χ^2/NDF : 21.5/20

Right Out: 20.335 ± 10.444 χ^2/NDF : 14.7/18

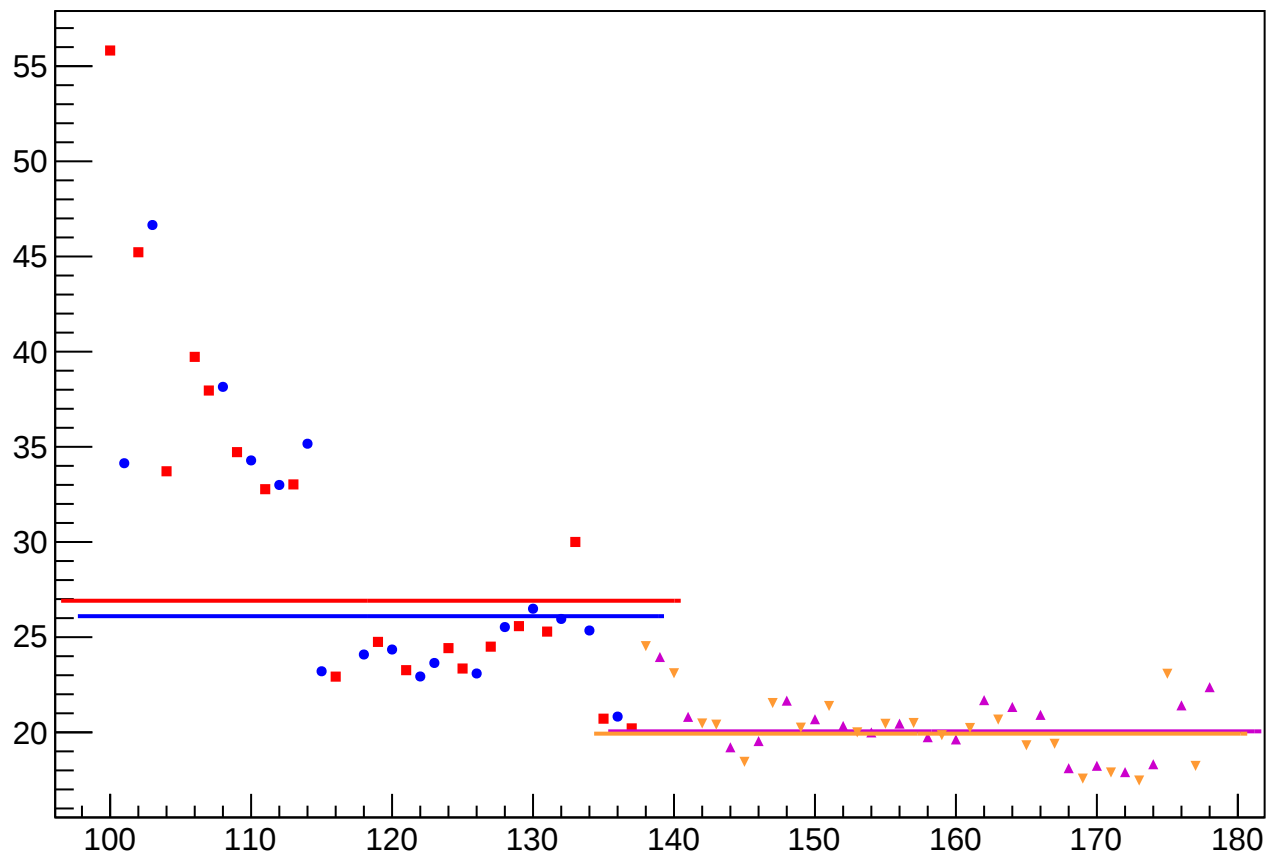
Left In: 4.327 ± 5.116 χ^2/NDF : 14.2/19

+ sign -0.780 ± 4.535 χ^2/NDF : 45.0/37

All: 3.269 ± 3.227 χ^2/NDF : 77.4/76

- sign 7.425 ± 4.594 χ^2/NDF : 30.8/38

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 19.931+/-0.004 χ^2/NDF : 236820.0/20

Right Out: 26.914+/-0.007 χ^2/NDF : 678970.2/18

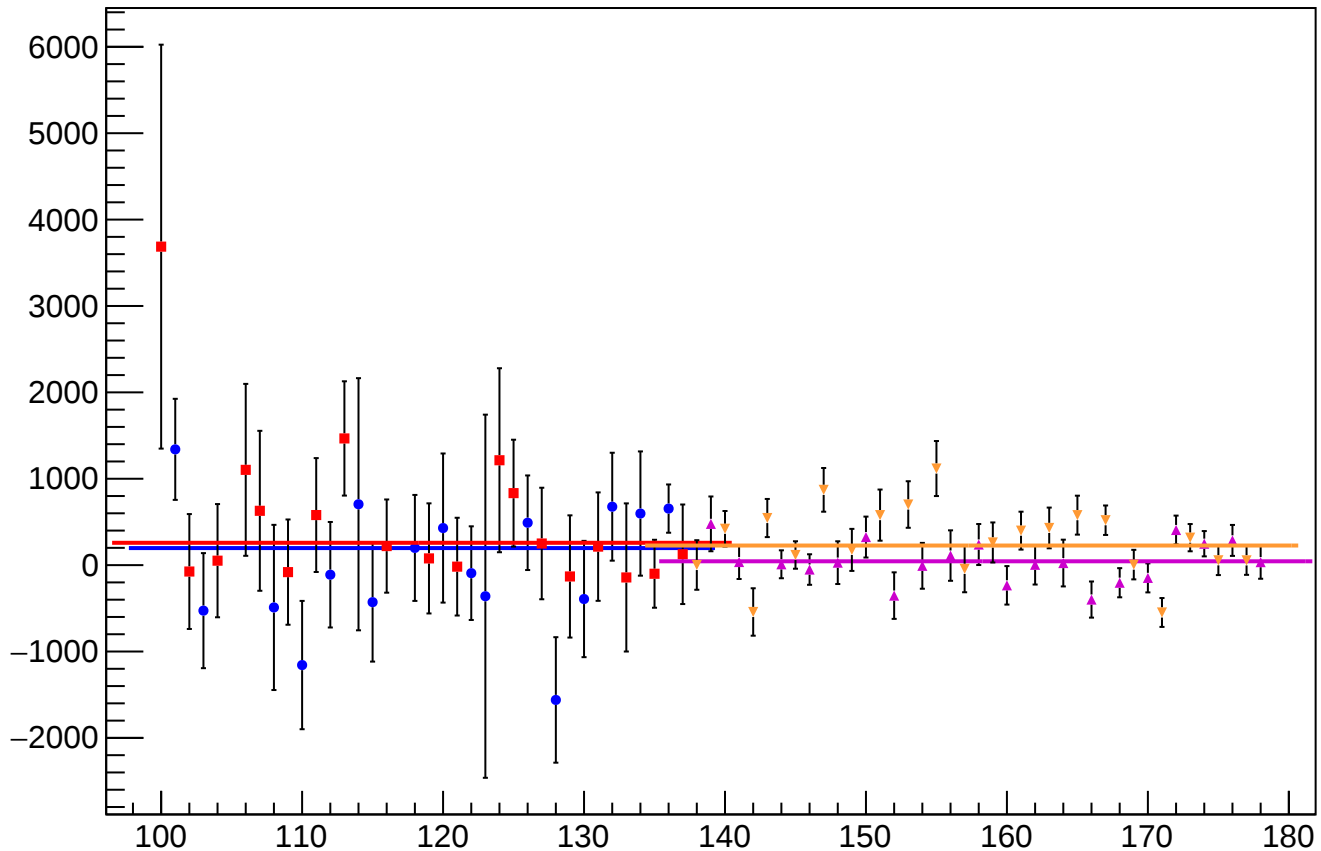
Left In: 20.052+/-0.004 χ^2/NDF : 163787.3/19

+ sign 21.102+/-0.003 χ^2/NDF : 1410651.4/37

All: 21.239+/-0.002 χ^2/NDF : 2953432.0/76

- sign 21.380+/-0.003 χ^2/NDF : 1539087.7/38

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 226.979 ± 45.564 χ^2/NDF : 64.1/20

Right Out: 258.537 ± 149.867 χ^2/NDF : 10.7/18

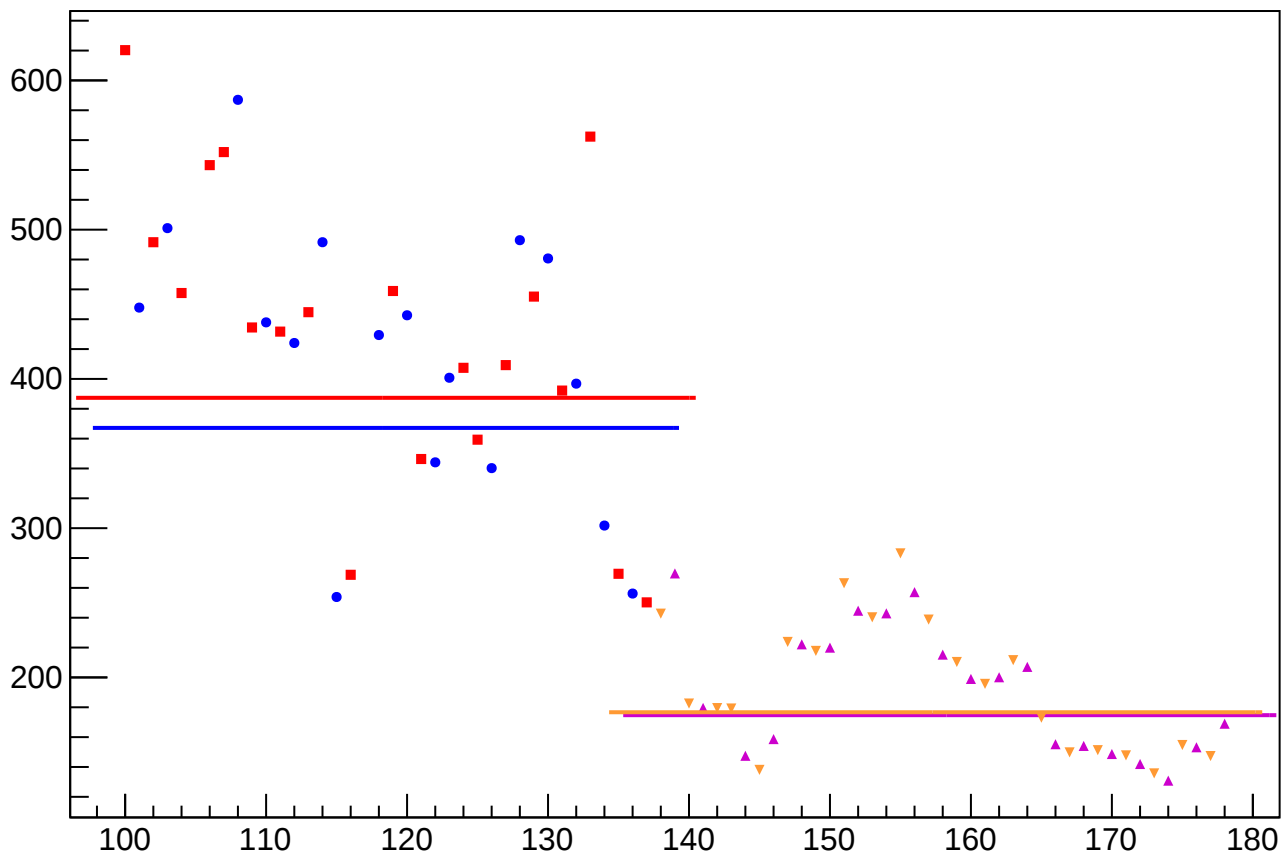
Left In: 44.409 ± 45.410 χ^2/NDF : 24.6/19

+ sign 224.408 ± 43.544 χ^2/NDF : 85.1/37

All: 143.254 ± 30.760 χ^2/NDF : 129.2/76

- sign 62.415 ± 43.459 χ^2/NDF : 37.1/38

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 ± 0.105 $\chi^2/\text{NDF}: 827148.2/16$

Left Out: 176.671 ± 0.032 $\chi^2/\text{NDF}: 1447386.7/20$

Right Out: 387.344 ± 0.106 $\chi^2/\text{NDF}: 774562.4/18$

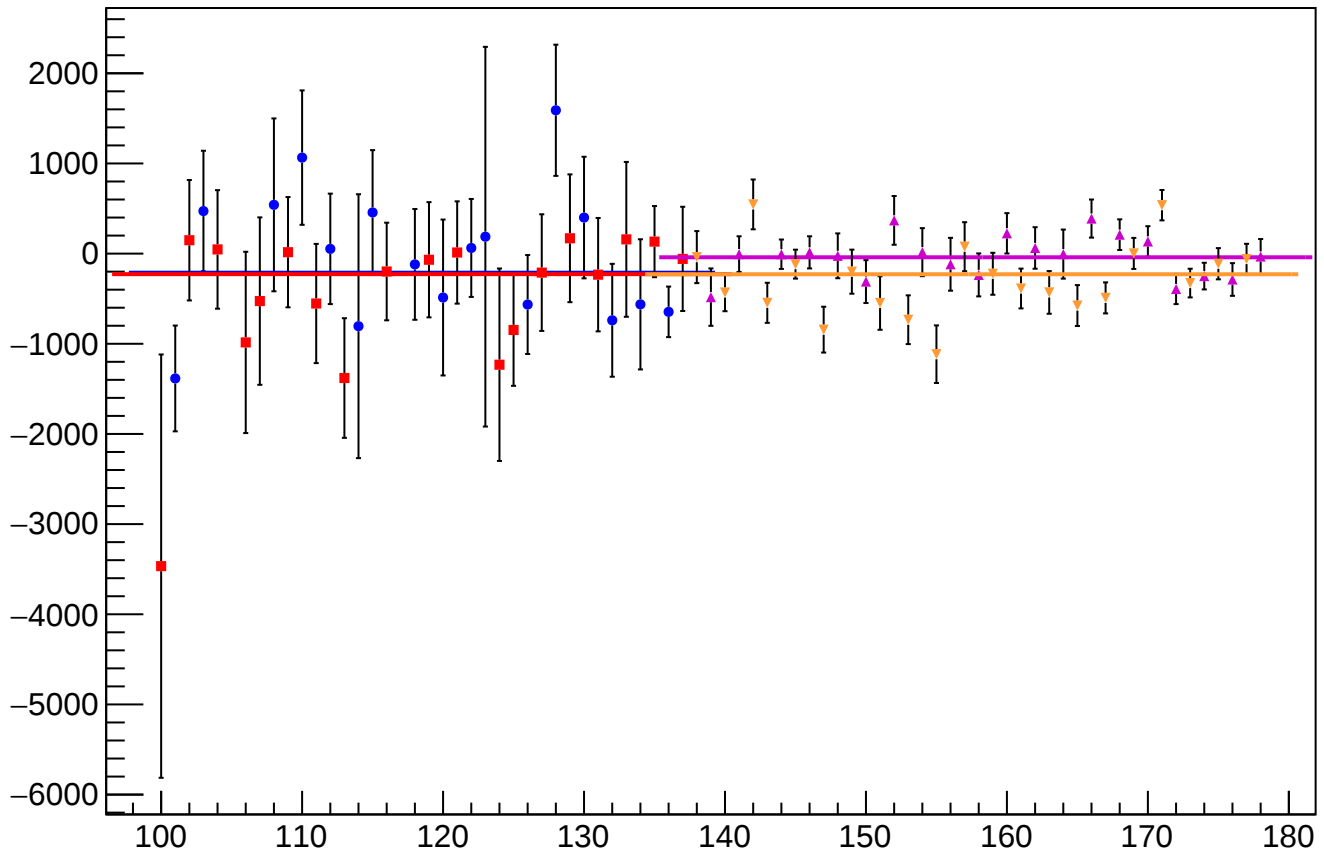
Left In: 174.709 ± 0.032 $\chi^2/\text{NDF}: 1344863.5/19$

+ sign 193.188 ± 0.031 $\chi^2/\text{NDF}: 5305896.7/37$

All: 192.888 ± 0.022 $\chi^2/\text{NDF}: 11113063.3/76$

- sign 192.590 ± 0.031 $\chi^2/\text{NDF}: 5806977.6/38$

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -228.931 ± 45.882 χ^2/NDF : 61.4/20

Right Out: -227.831 ± 150.317 χ^2/NDF : 10.1/18

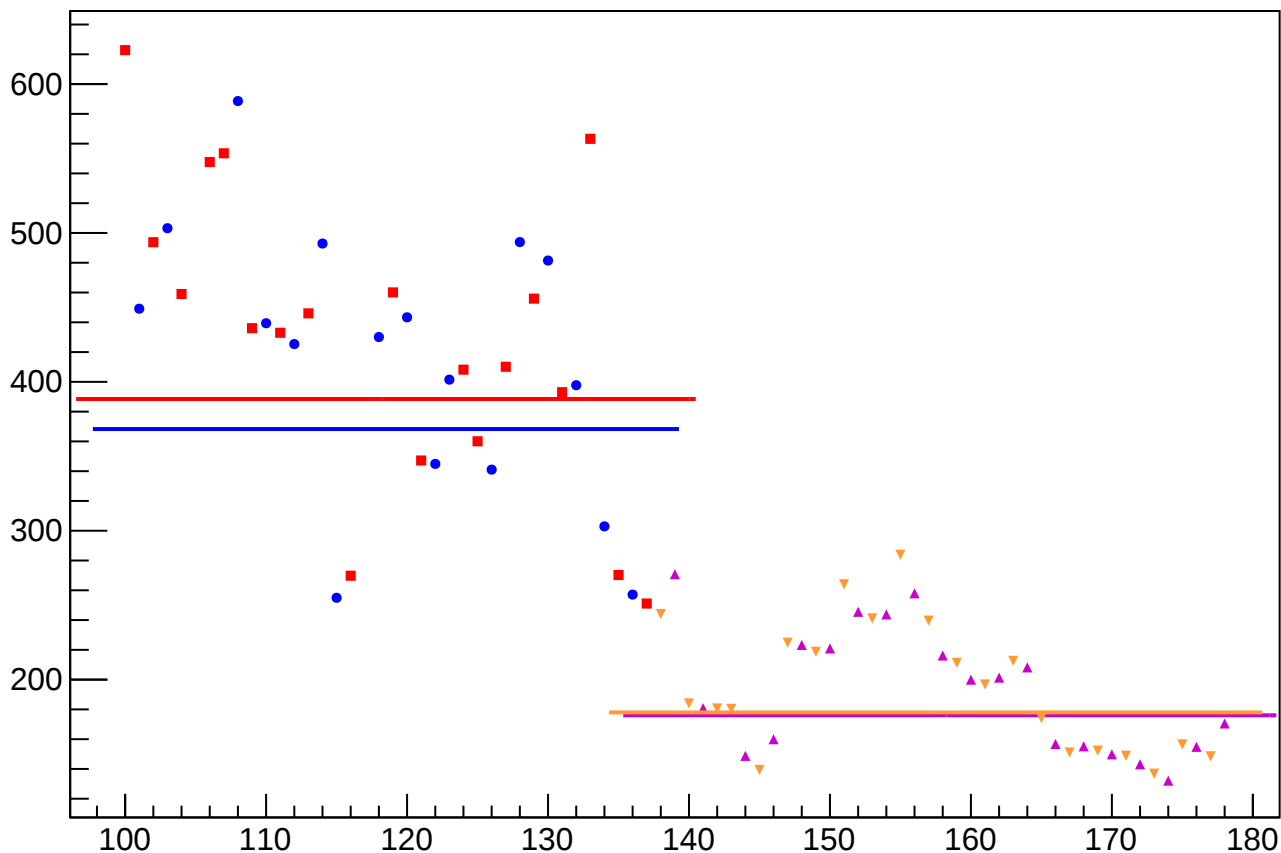
Left In: -40.750 ± 45.742 χ^2/NDF : 23.7/19

+ sign -227.440 ± 43.833 χ^2/NDF : 82.5/37

All: -141.883 ± 30.969 χ^2/NDF : 125.2/76

- sign -56.606 ± 43.761 χ^2/NDF : 35.2/38

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 177.982 $\pm$ 0.032 χ^2 /NDF: 1423795.8/20

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

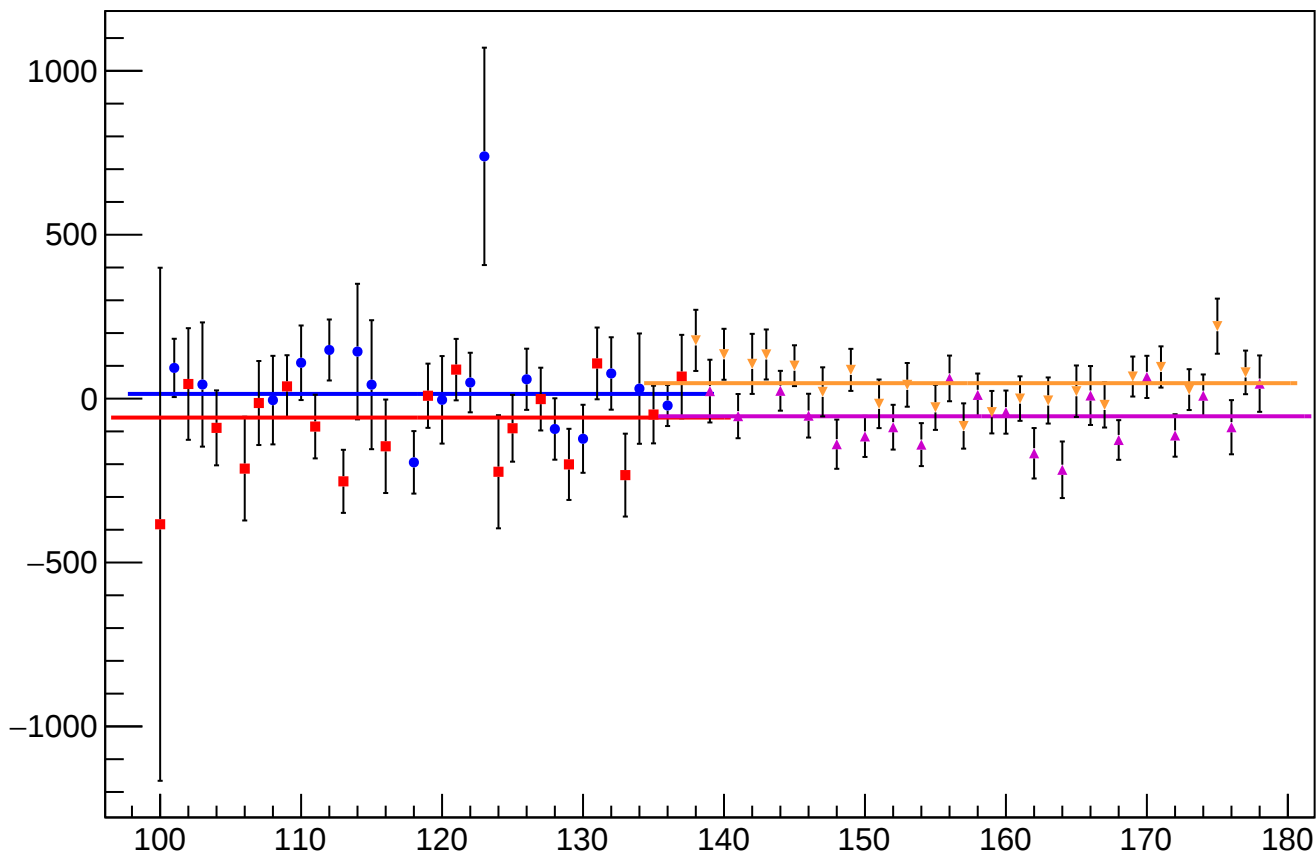
Left In: 176.063 $\pm$ 0.032 χ^2 /NDF: 1320425.4/19

+ sign 194.605 $\pm$ 0.031 χ^2 /NDF: 5254008.1/37

All: 194.335 $\pm$ 0.022 χ^2 /NDF: 11004418.6/76

- sign 194.066 $\pm$ 0.031 χ^2 /NDF: 5750258.9/38

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 47.147 $\pm$ 15.332 χ^2 /NDF:21.0/20

Right Out: -57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

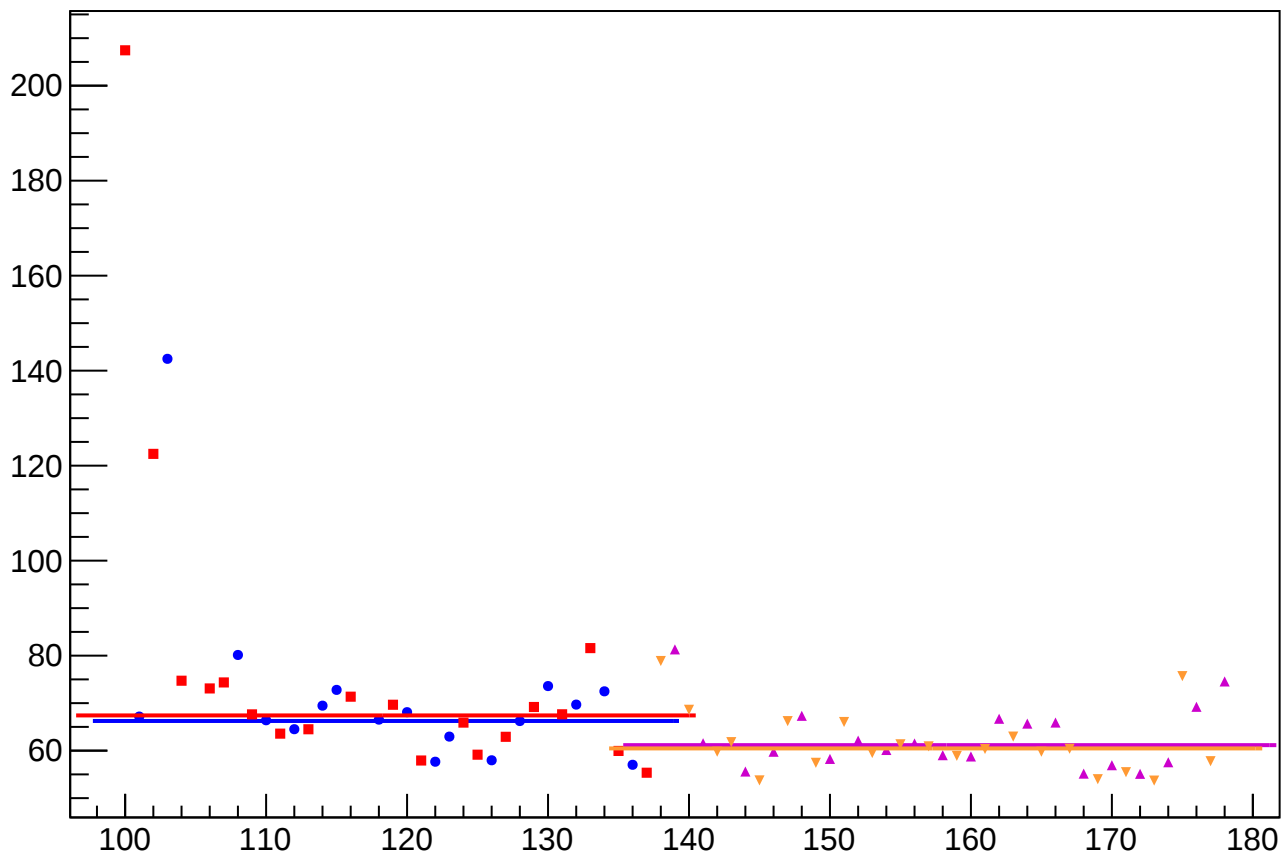
Left In: -53.858 $\pm$ 15.661 χ^2 /NDF:24.7/19

+ sign 38.853 $\pm$ 13.250 χ^2 /NDF: 39.8/37

All: -7.383 $\pm$ 9.433 χ^2 /NDF: 107.6/76

- sign -54.899 $\pm$ 13.432 χ^2 /NDF: 43.1/38

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247 ± 0.019 χ^2/NDF : 440944.2/16

Left Out: 60.468 ± 0.011 χ^2/NDF : 283690.0/20

Right Out: 67.415 ± 0.018 χ^2/NDF : 393608.5/18

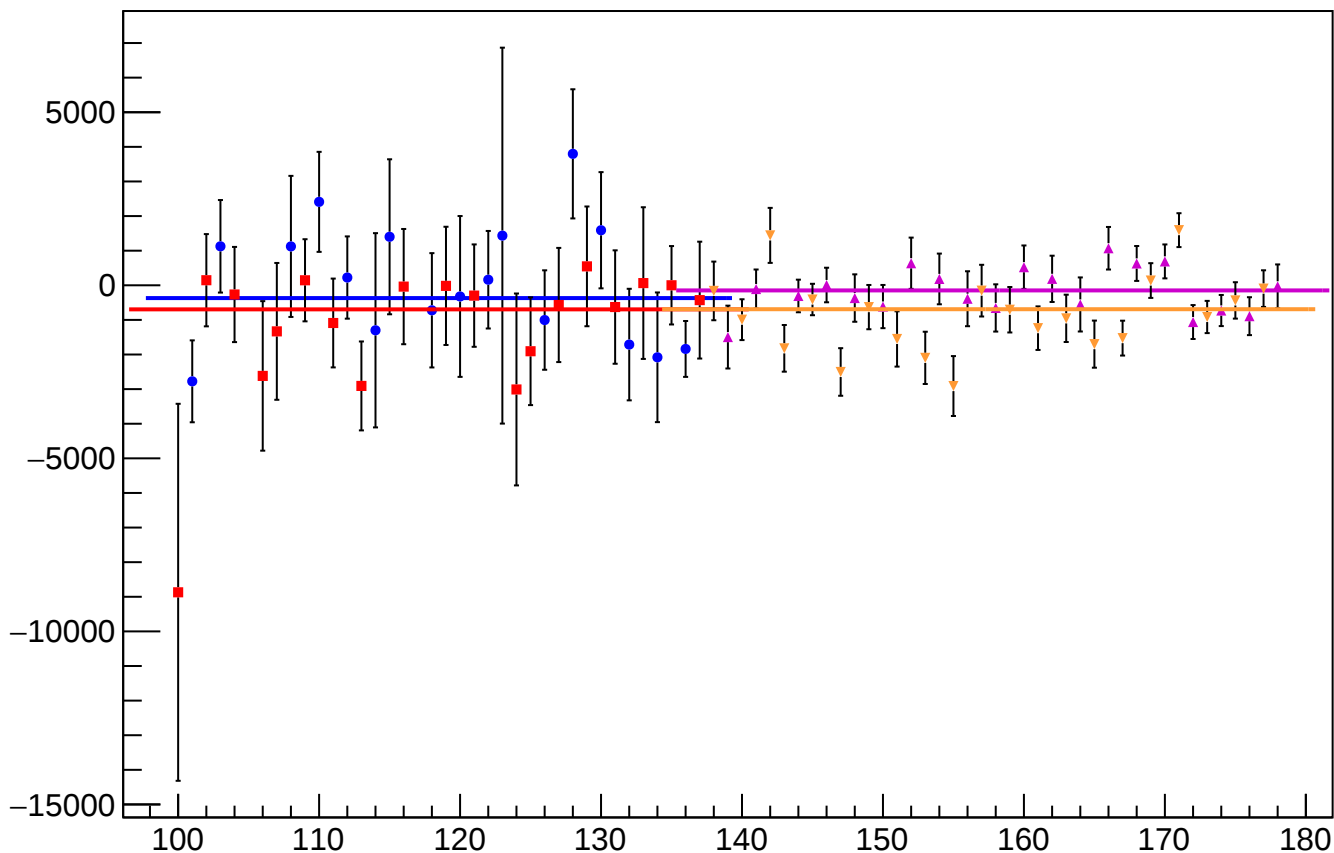
Left In: 61.157 ± 0.011 χ^2/NDF : 270941.7/19

+ sign 61.931 ± 0.009 χ^2/NDF : 796571.4/37

All: 62.366 ± 0.007 χ^2/NDF : 1549917.9/76

- sign 62.812 ± 0.009 χ^2/NDF : 748985.9/38

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 $\pm$ 366.432 χ^2/NDF : 22.3/16

Left Out: -691.029 $\pm$ 132.514 χ^2/NDF : 61.8/20

Right Out: -695.425 $\pm$ 361.887 χ^2/NDF : 9.9/18

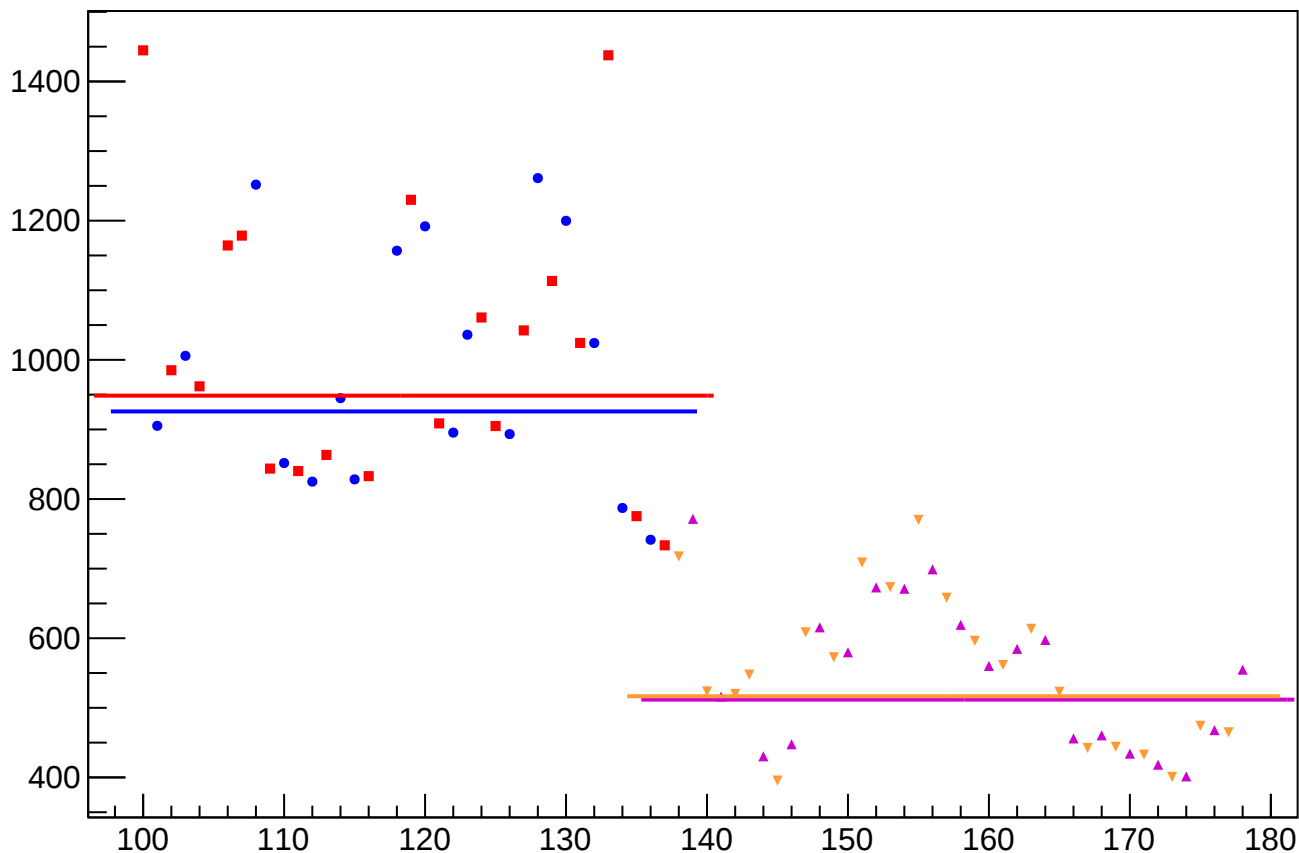
Left In: -147.885 $\pm$ 132.353 χ^2/NDF : 23.0/19

+ sign -653.849 $\pm$ 124.615 χ^2/NDF : 84.8/37

All: -432.608 $\pm$ 88.005 χ^2/NDF : 126.0/76

- sign -212.483 $\pm$ 124.301 χ^2/NDF : 34.9/38

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 516.618 $\pm$ 0.094 χ^2 /NDF: 1135796.0/20

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

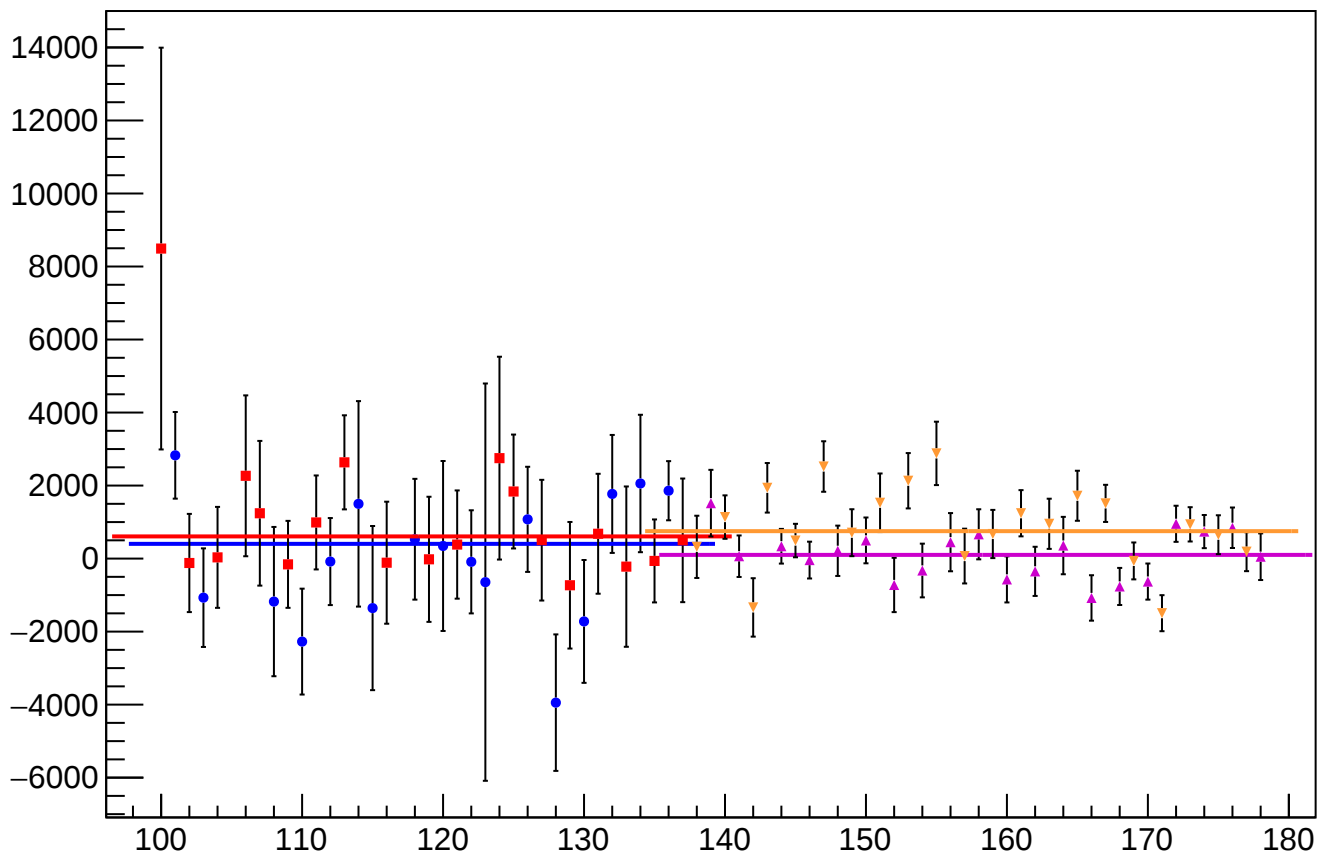
Left In: 511.802 $\pm$ 0.094 χ^2 /NDF: 1038952.4/19

+ sign 563.951 $\pm$ 0.088 χ^2 /NDF: 3733244.5/37

All: 563.639 $\pm$ 0.062 χ^2 /NDF: 7723545.9/76

- sign 563.329 $\pm$ 0.088 χ^2 /NDF: 3990276.4/38

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591 $\pm$ 367.686 χ^2 /NDF: 22.4/16

Left Out: 751.254 $\pm$ 133.522 χ^2 /NDF: 58.1/20

Right Out: 607.276 $\pm$ 363.327 χ^2 /NDF: 8.8/18

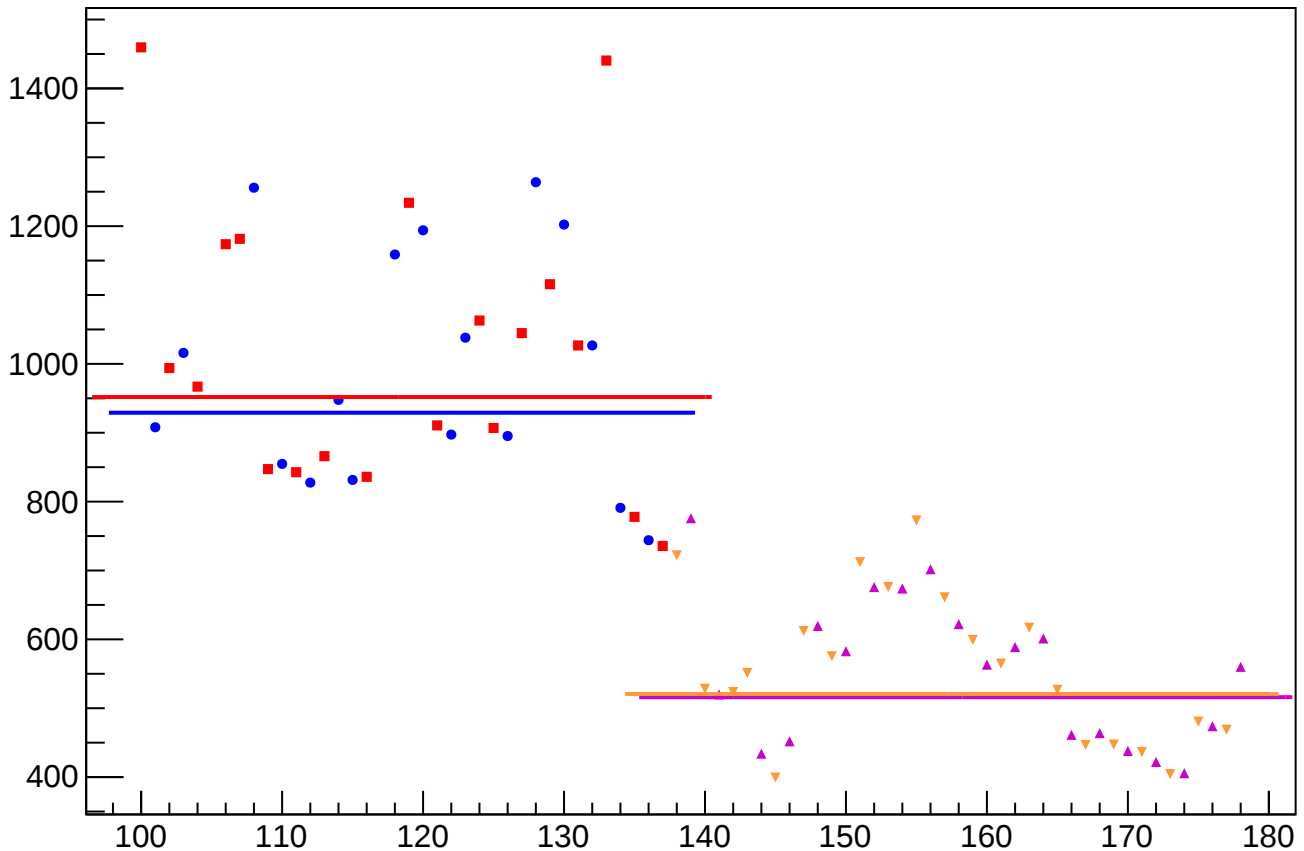
Left In: 101.323 $\pm$ 133.409 χ^2 /NDF: 22.7/19

+ sign 710.748 $\pm$ 125.503 χ^2 /NDF: 81.3/37

All: 435.499 $\pm$ 88.648 χ^2 /NDF: 124.1/76

- sign 161.434 $\pm$ 125.233 χ^2 /NDF: 33.2/38

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 520.733 $\pm$ 0.094 χ^2 /NDF:1114666.6/20

Right Out: 951.847 $\pm$ 0.257 χ^2 /NDF: 382219.3/18

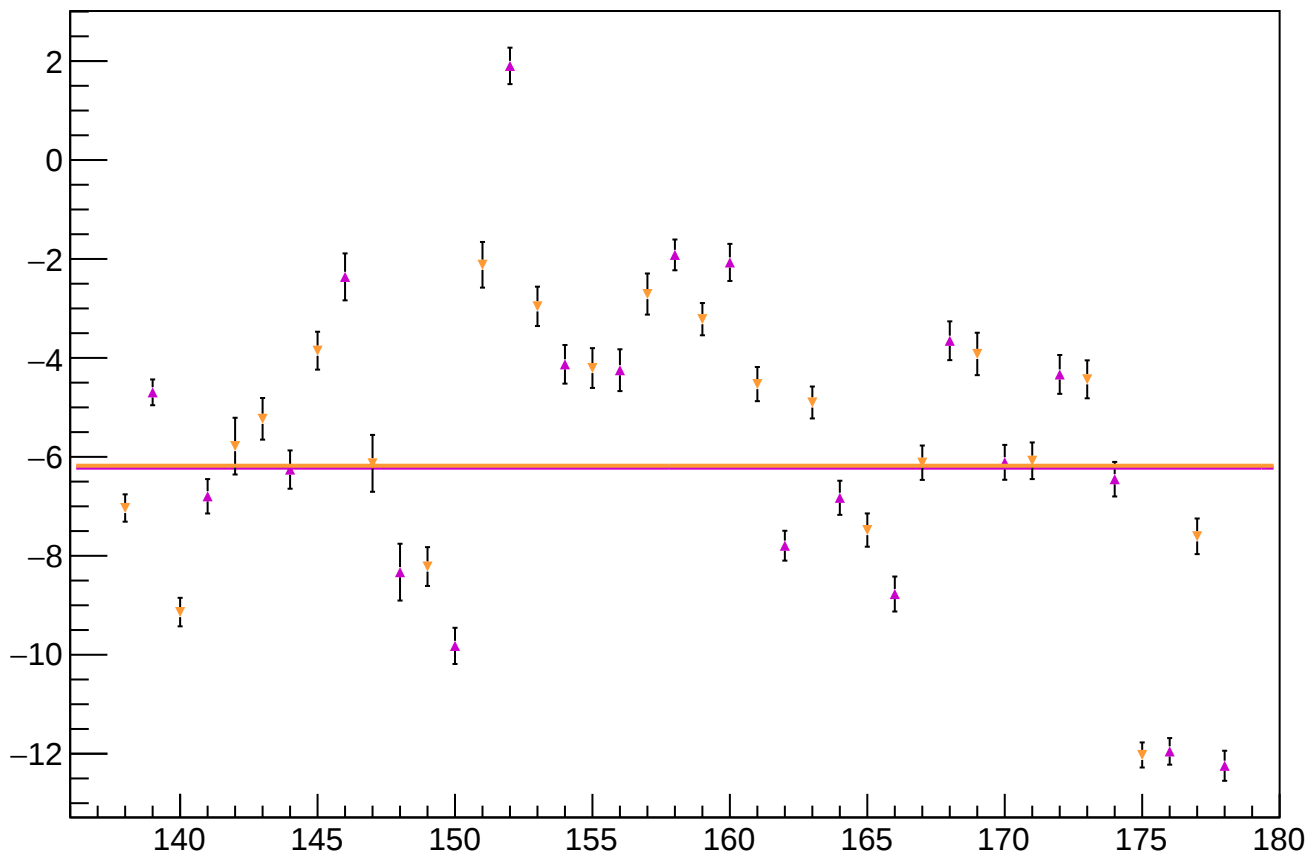
Left In: 516.061 $\pm$ 0.094 χ^2 /NDF:1018514.1/19

+ sign 568.310 $\pm$ 0.089 χ^2 /NDF: 3684540.9/37

All: 568.072 $\pm$ 0.063 χ^2 /NDF: 7620714.1/76

- sign 567.835 $\pm$ 0.089 χ^2 /NDF: 3936158.8/38

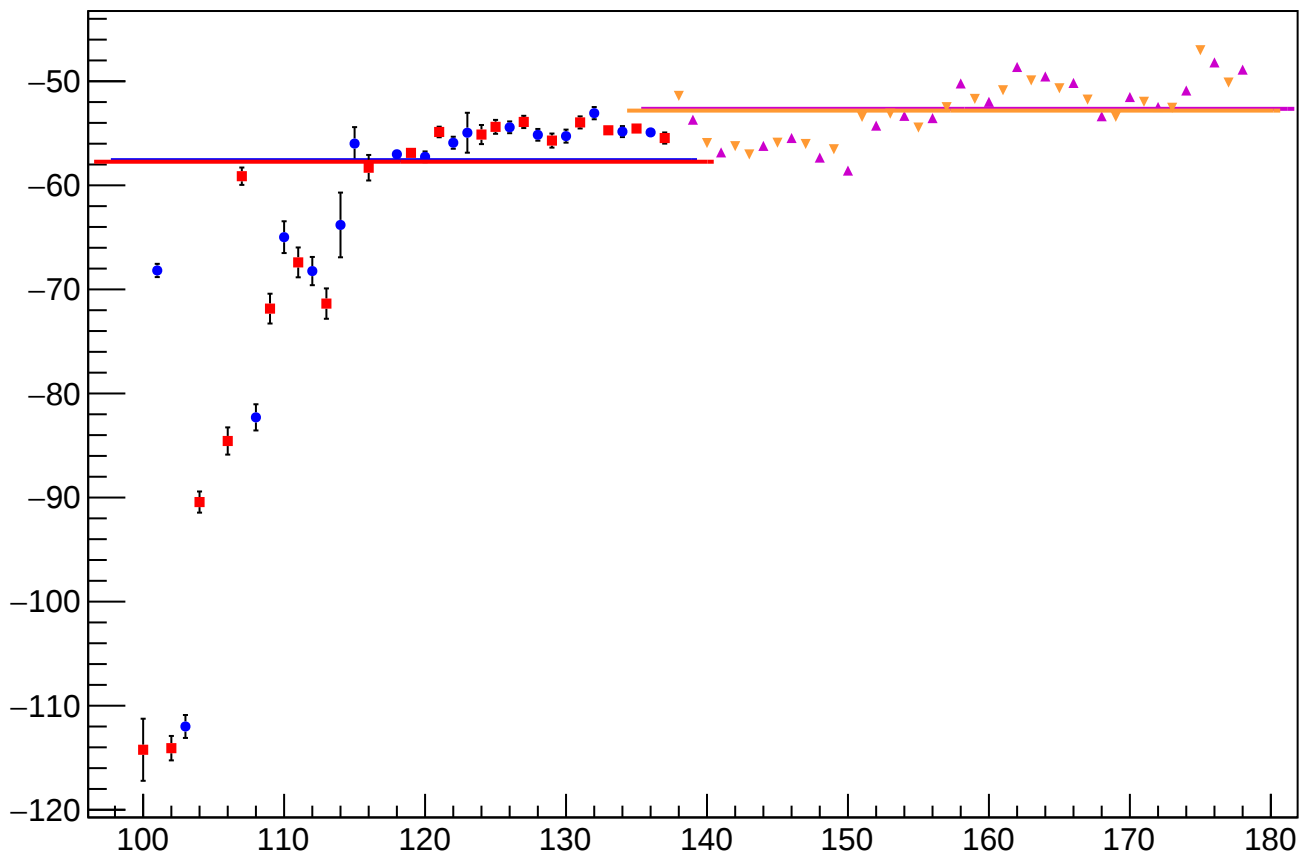
reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: -6.179+/-0.079 χ^2/NDF : 1154.1/20
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: -6.218+/-0.078 χ^2/NDF : 2061.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
All: -6.199+/-0.056 χ^2/NDF : 3215.8/40
- 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: -52.820 ± 0.061 χ^2/NDF : 1900.4/20

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

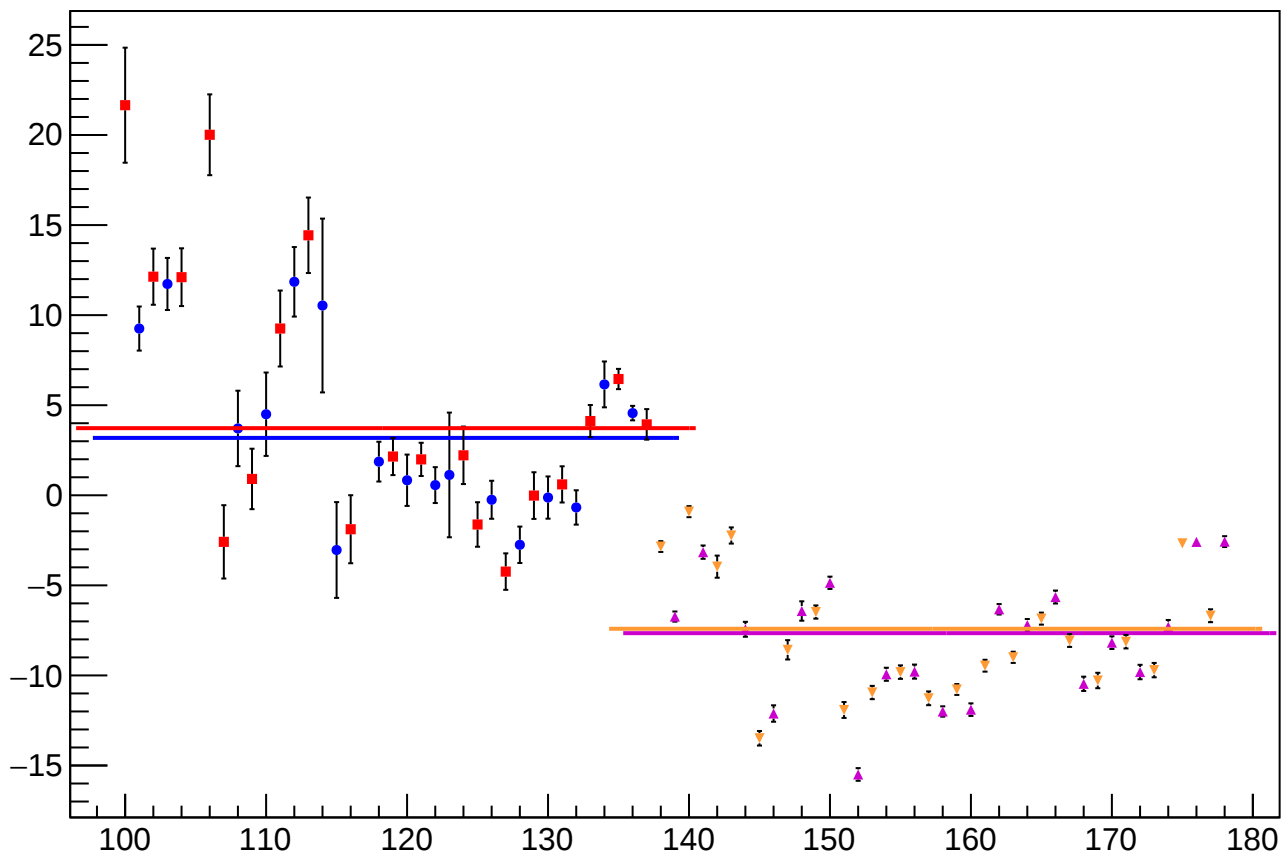
Left In: -52.649 ± 0.062 χ^2/NDF : 2545.2/19

+ sign -53.547 ± 0.056 χ^2/NDF : 6294.5/37

All: -53.502 ± 0.040 χ^2/NDF : 14603.2/76

- sign -53.455 ± 0.057 χ^2/NDF : 8307.4/38

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.410 ± 0.078 χ^2/NDF : 2054.3/20

Right Out: 3.726 ± 0.268 χ^2/NDF : 324.1/18

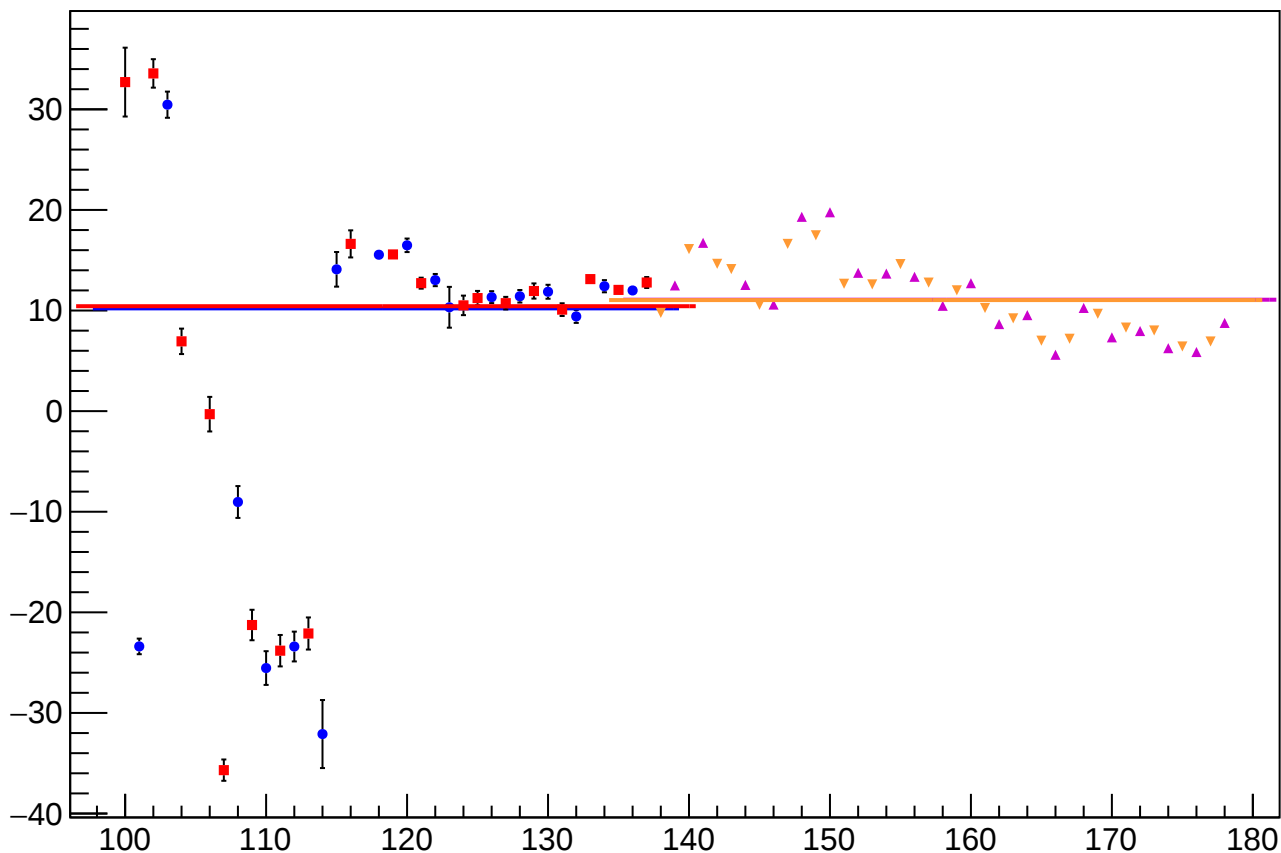
Left In: -7.654 ± 0.078 χ^2/NDF : 2052.0/19

+ sign -6.519 ± 0.075 χ^2/NDF : 3772.9/37

All: -6.646 ± 0.053 χ^2/NDF : 7823.6/76

- sign -6.771 ± 0.075 χ^2/NDF : 4045.1/38

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 11.039 $\pm$ 0.068 χ^2 /NDF: 2359.8/20

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

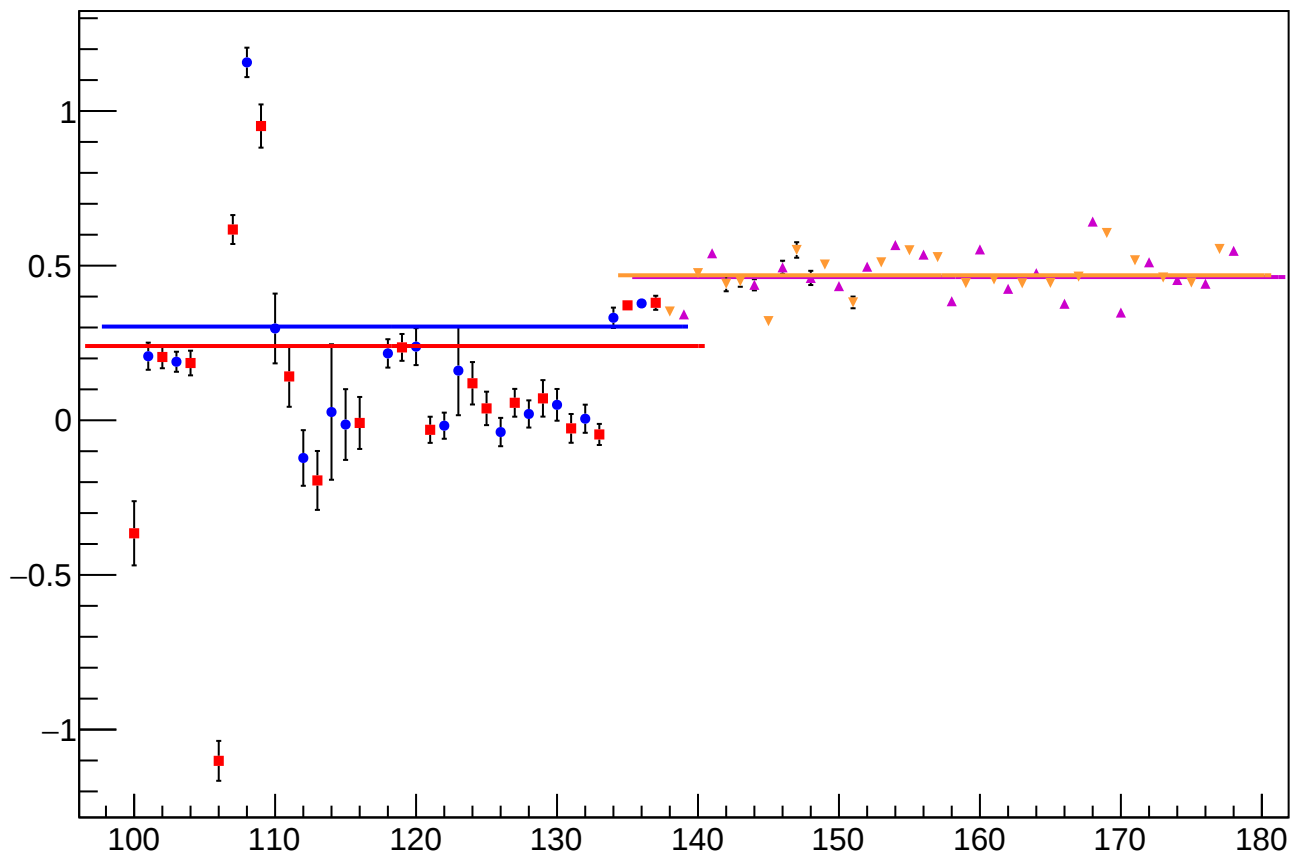
Left In: 11.076 $\pm$ 0.069 χ^2 /NDF: 3239.4/19

+ sign 10.910 $\pm$ 0.063 χ^2 /NDF: 6075.4/37

All: 10.942 $\pm$ 0.045 χ^2 /NDF: 13155.9/76

- sign 10.975 $\pm$ 0.063 χ^2 /NDF: 7080.0/38

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.469 ± 0.003 χ^2/NDF : 443.2/20

Right Out: 0.240 ± 0.009 χ^2/NDF : 984.4/18

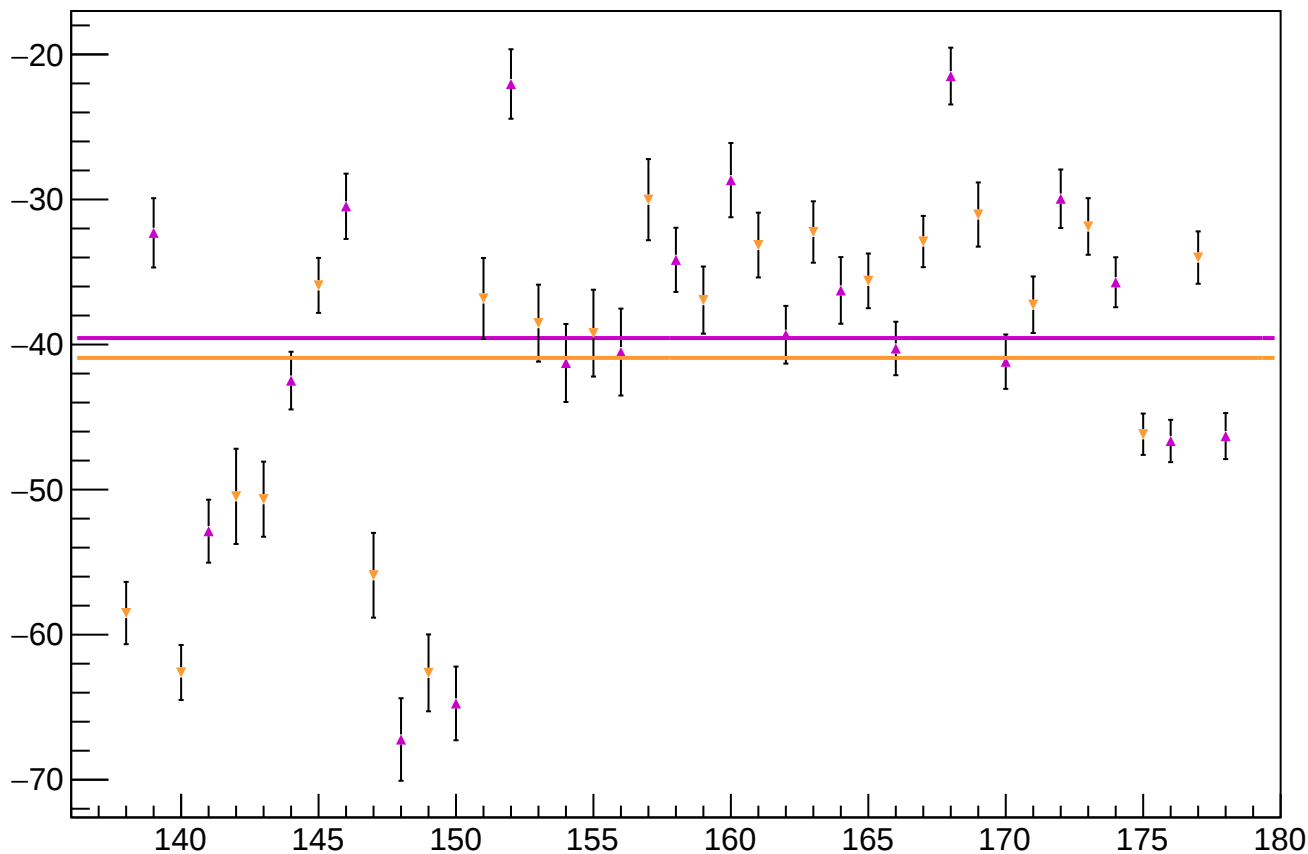
Left In: 0.463 ± 0.003 χ^2/NDF : 707.7/19

+ sign 0.448 ± 0.003 χ^2/NDF : 1446.8/37

All: 0.443 ± 0.002 χ^2/NDF : 3752.6/76

- sign 0.438 ± 0.003 χ^2/NDF : 2299.3/38

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -40.920 +/- 0.470 χ^2/NDF : 473.2/20

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

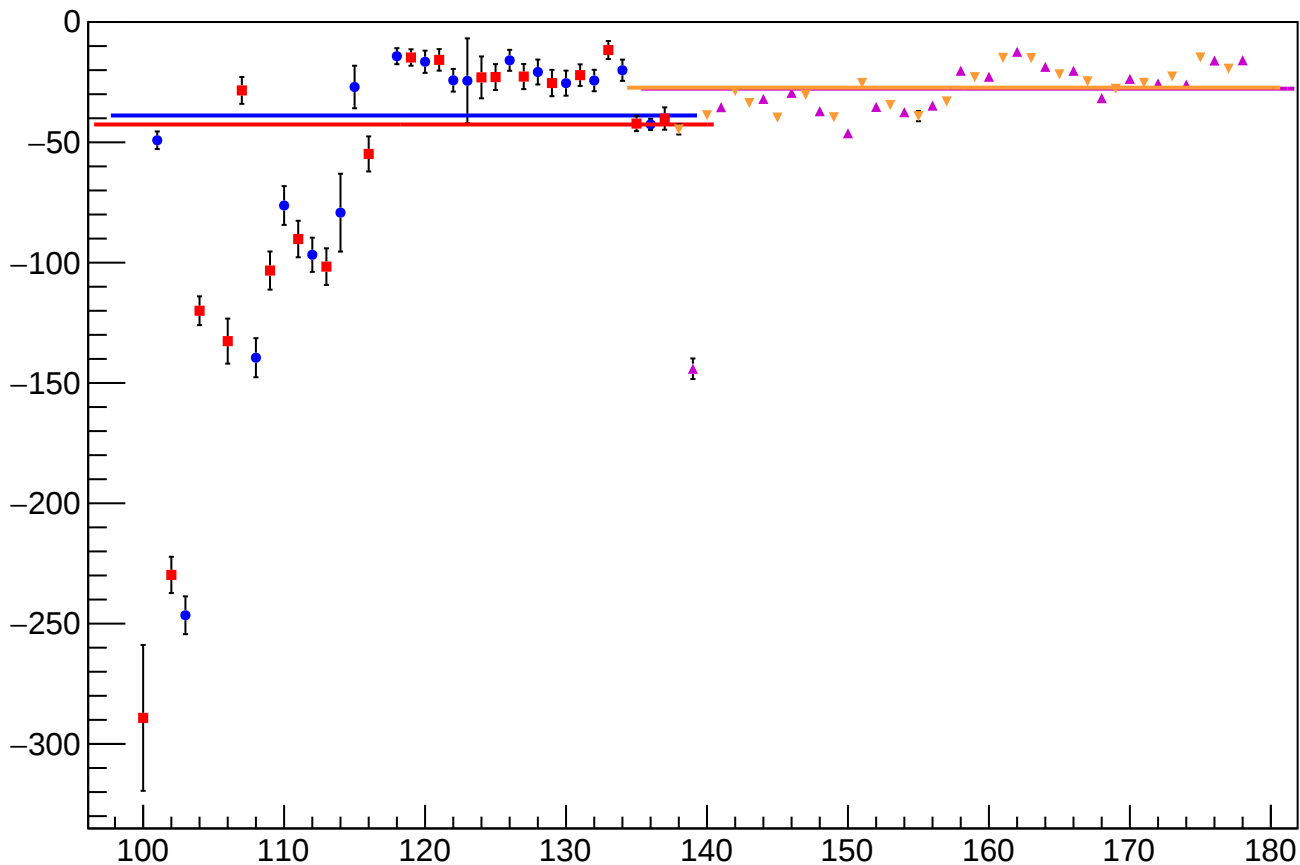
Left In: -39.552 +/- 0.465 χ^2/NDF : 493.7/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -40.228 +/- 0.330 χ^2/NDF : 971.2/40

- 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 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -27.277 ± 0.355 $\chi^2/\text{NDF}: 582.8/20$

Right Out: -42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

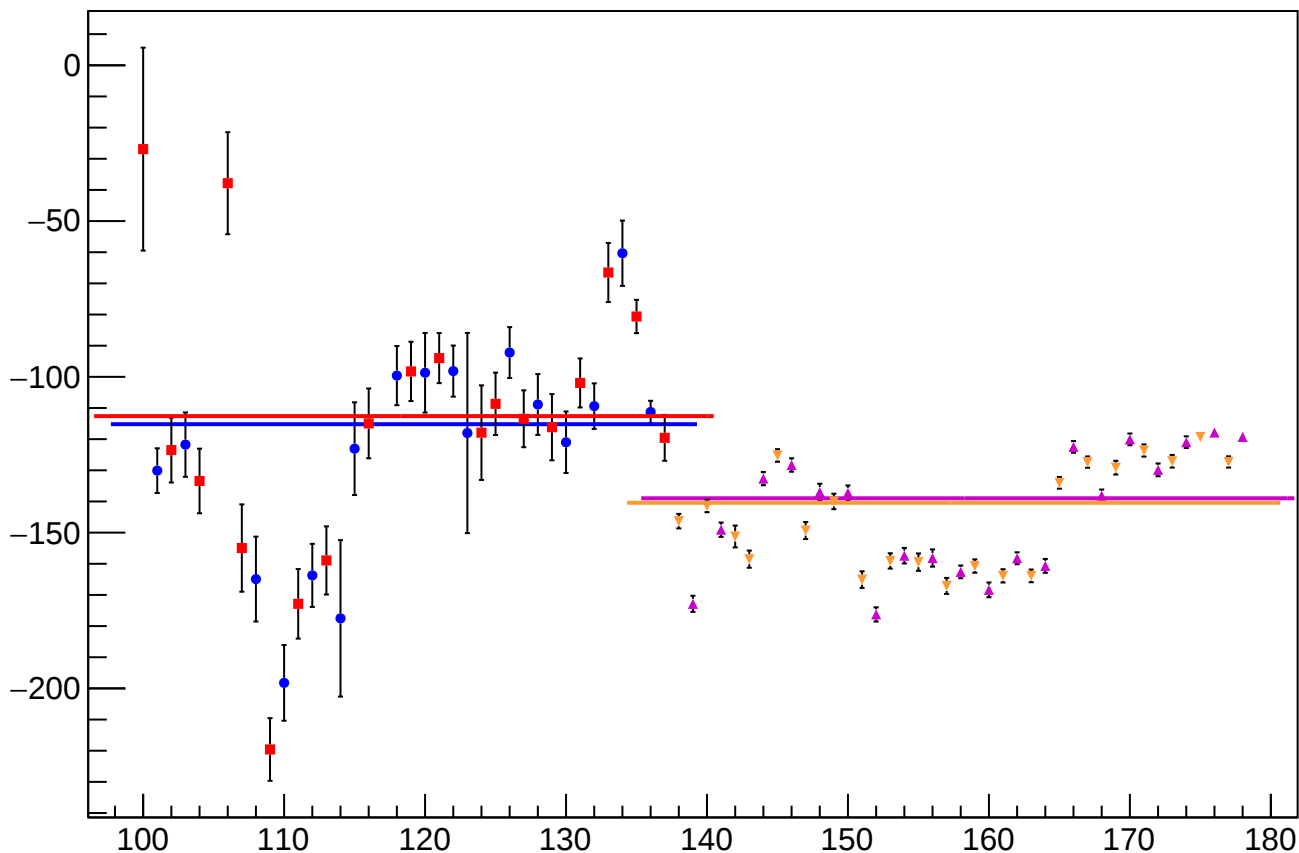
Left In: -27.699 ± 0.359 $\chi^2/\text{NDF}: 1323.7/19$

+ sign -28.286 ± 0.339 $\chi^2/\text{NDF}: 1797.3/37$

All: -28.589 ± 0.241 $\chi^2/\text{NDF}: 4607.5/76$

- sign -28.901 ± 0.344 $\chi^2/\text{NDF}: 2808.5/38$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 χ^2/NDF : 140.8/16

Left Out: -140.420 ± 0.469 χ^2/NDF : 1244.5/20

Right Out: -112.611 ± 2.209 χ^2/NDF : 272.4/18

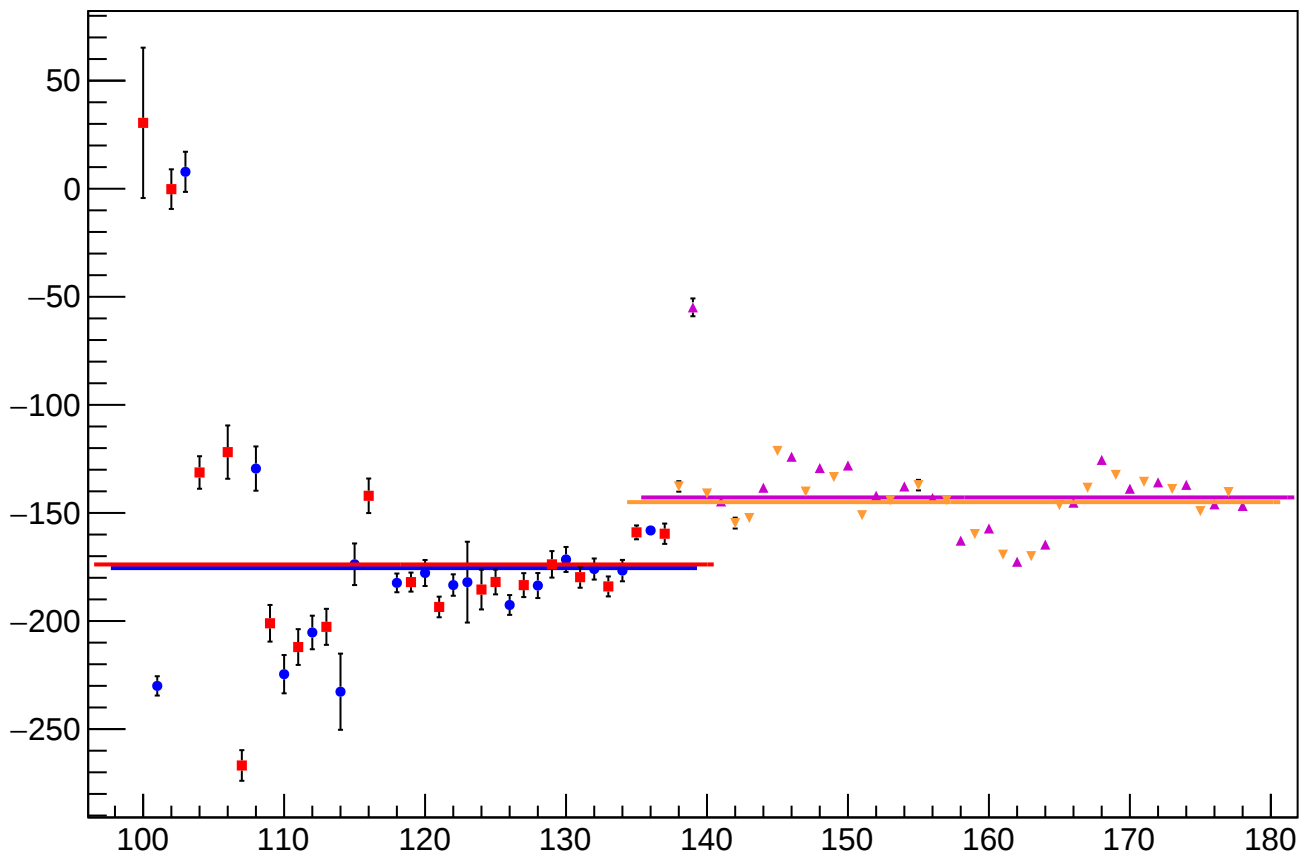
Left In: -138.977 ± 0.462 χ^2/NDF : 1734.4/19

+ sign -139.202 ± 0.458 χ^2/NDF : 1525.0/37

All: -138.529 ± 0.322 χ^2/NDF : 3672.6/76

- sign -137.873 ± 0.452 χ^2/NDF : 2143.3/38

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -145.000 ± 0.402 χ^2/NDF : 917.8/20

Right Out: -173.830 ± 1.357 χ^2/NDF : 737.9/18

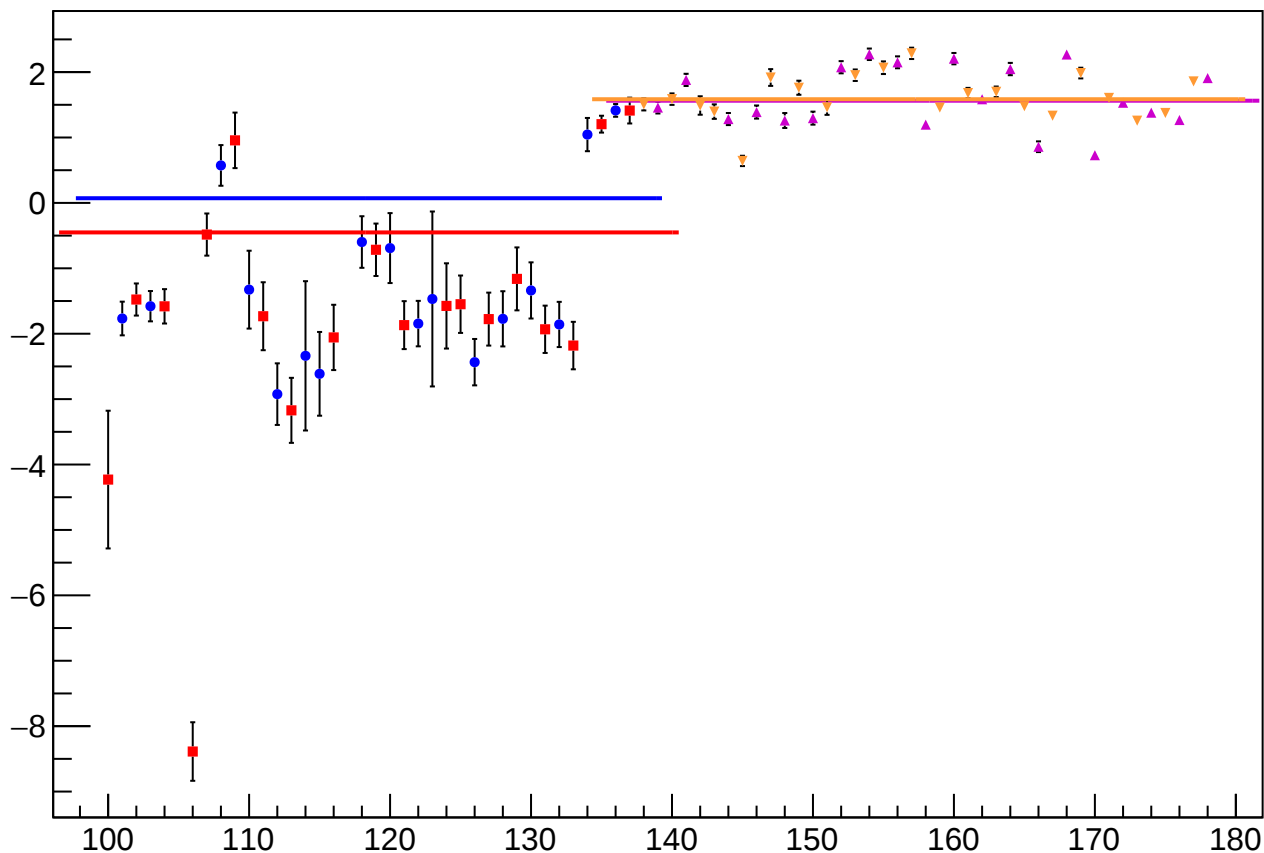
Left In: -142.826 ± 0.404 χ^2/NDF : 1477.0/19

+ sign -147.749 ± 0.383 χ^2/NDF : 2129.8/37

All: -146.560 ± 0.272 χ^2/NDF : 4844.0/76

- sign -145.348 ± 0.387 χ^2/NDF : 2694.7/38

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.585 ± 0.018 χ^2/NDF : 352.7/20

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

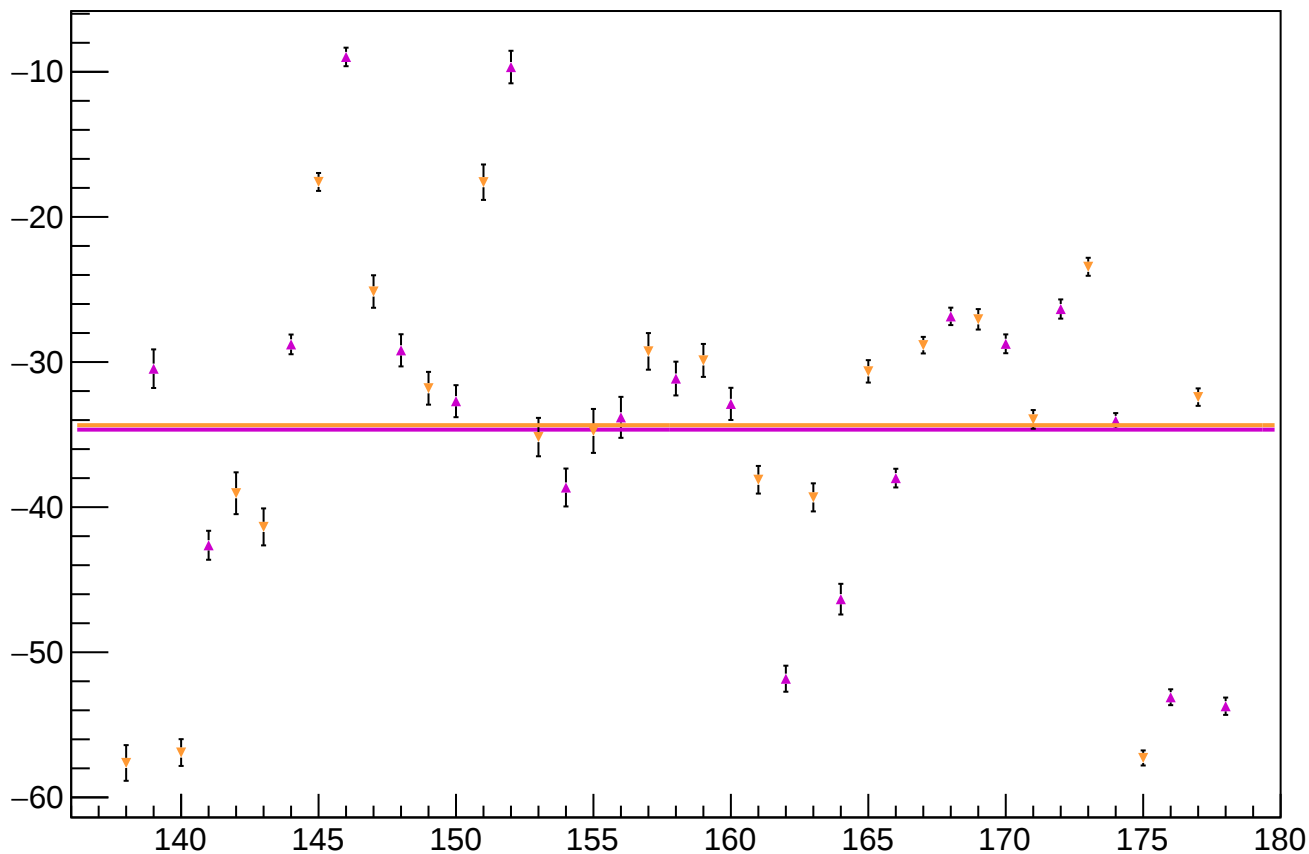
Left In: 1.562 ± 0.018 χ^2/NDF : 644.4/19

+ sign 1.478 ± 0.018 χ^2/NDF : 1350.2/37

All: 1.458 ± 0.013 χ^2/NDF : 3496.3/76

- sign 1.438 ± 0.018 χ^2/NDF : 2143.5/38

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -34.349+/-0.181 χ^2/NDF : 4565.1/20

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

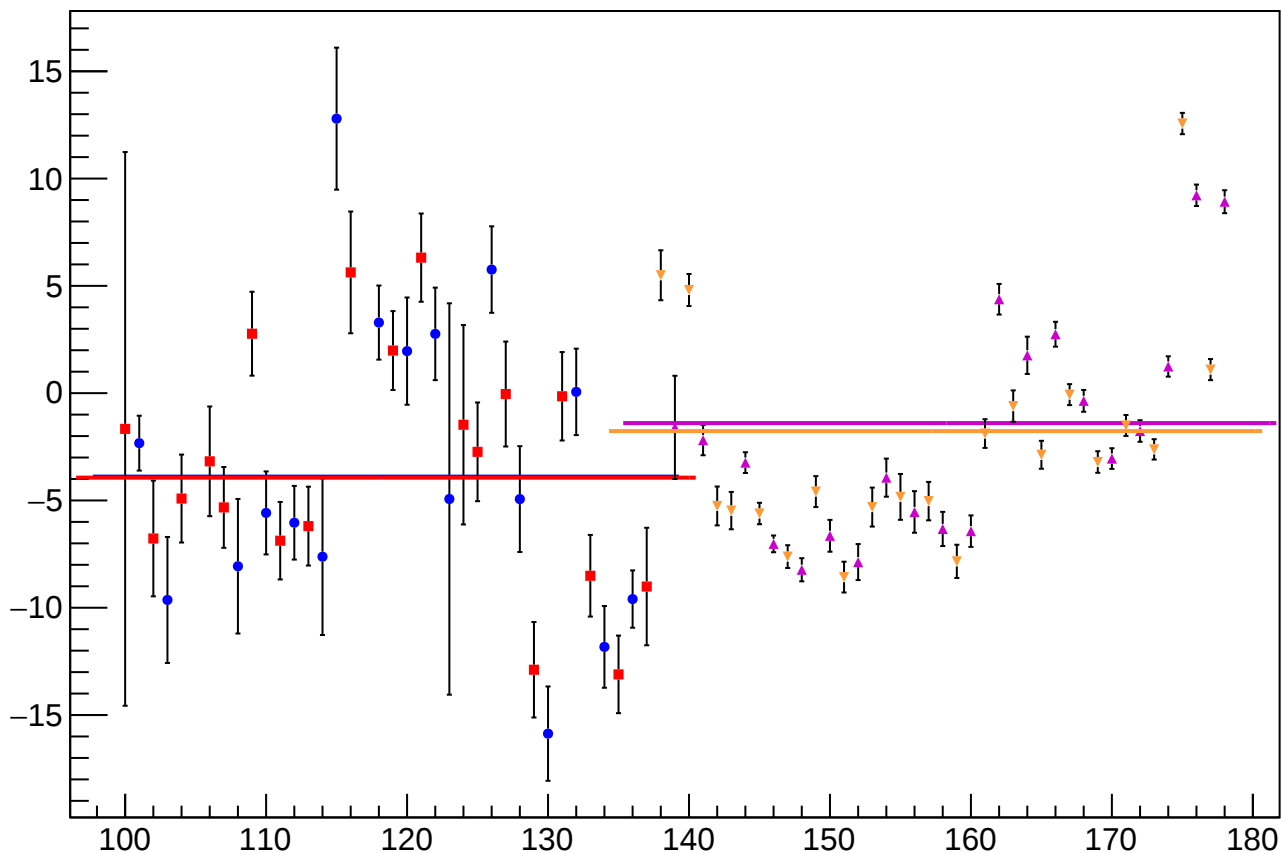
Left In: -34.658+/-0.174 χ^2/NDF : 5393.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -34.509+/-0.126 χ^2/NDF : 9960.1/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -1.767 ± 0.137 $\chi^2/\text{NDF}: 1430.9/20$

Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

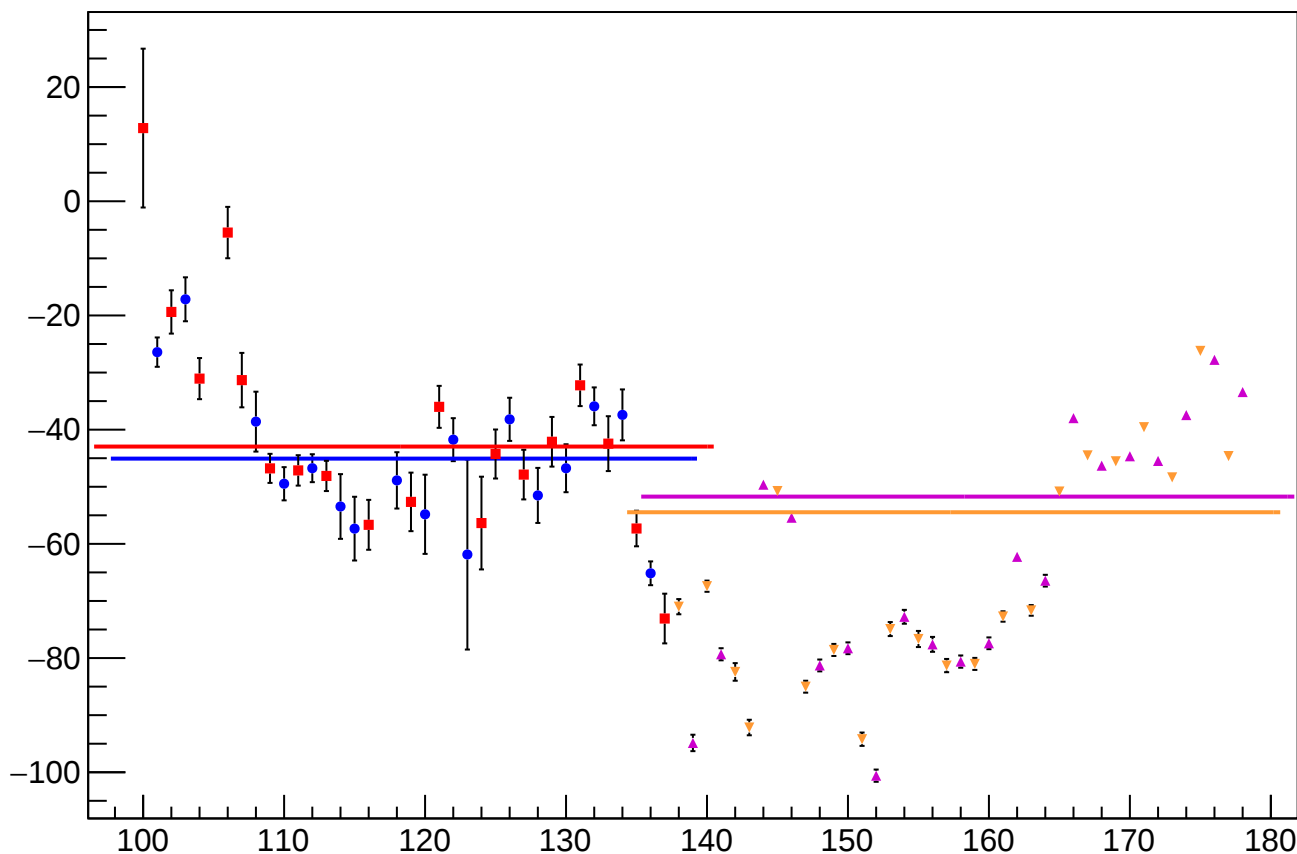
Left In: -1.394 ± 0.134 $\chi^2/\text{NDF}: 1605.4/19$

+ sign -1.917 ± 0.132 $\chi^2/\text{NDF}: 1608.2/37$

All: -1.734 ± 0.093 $\chi^2/\text{NDF}: 3363.1/76$

- sign -1.560 ± 0.129 $\chi^2/\text{NDF}: 1751.1/38$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -54.463 ± 0.181 χ^2/NDF : 10729.9/20

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

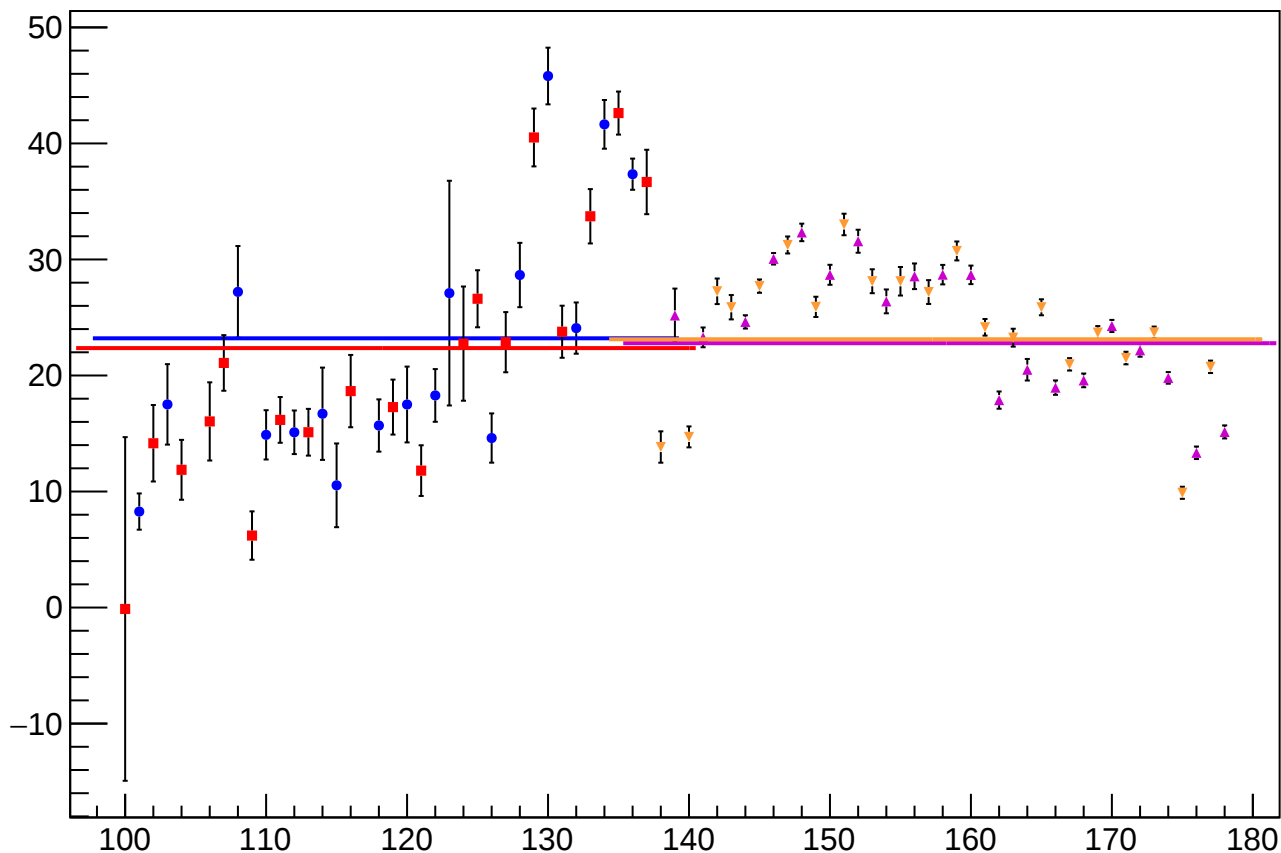
Left In: -51.724 ± 0.175 χ^2/NDF : 11790.3/19

+ sign -54.084 ± 0.177 χ^2/NDF : 11068.1/37

All: -52.690 ± 0.123 χ^2/NDF : 23321.9/76

- sign -51.390 ± 0.171 χ^2/NDF : 12134.6/38

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 23.123 $\pm$ 0.155 χ^2 /NDF:1316.6/20

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

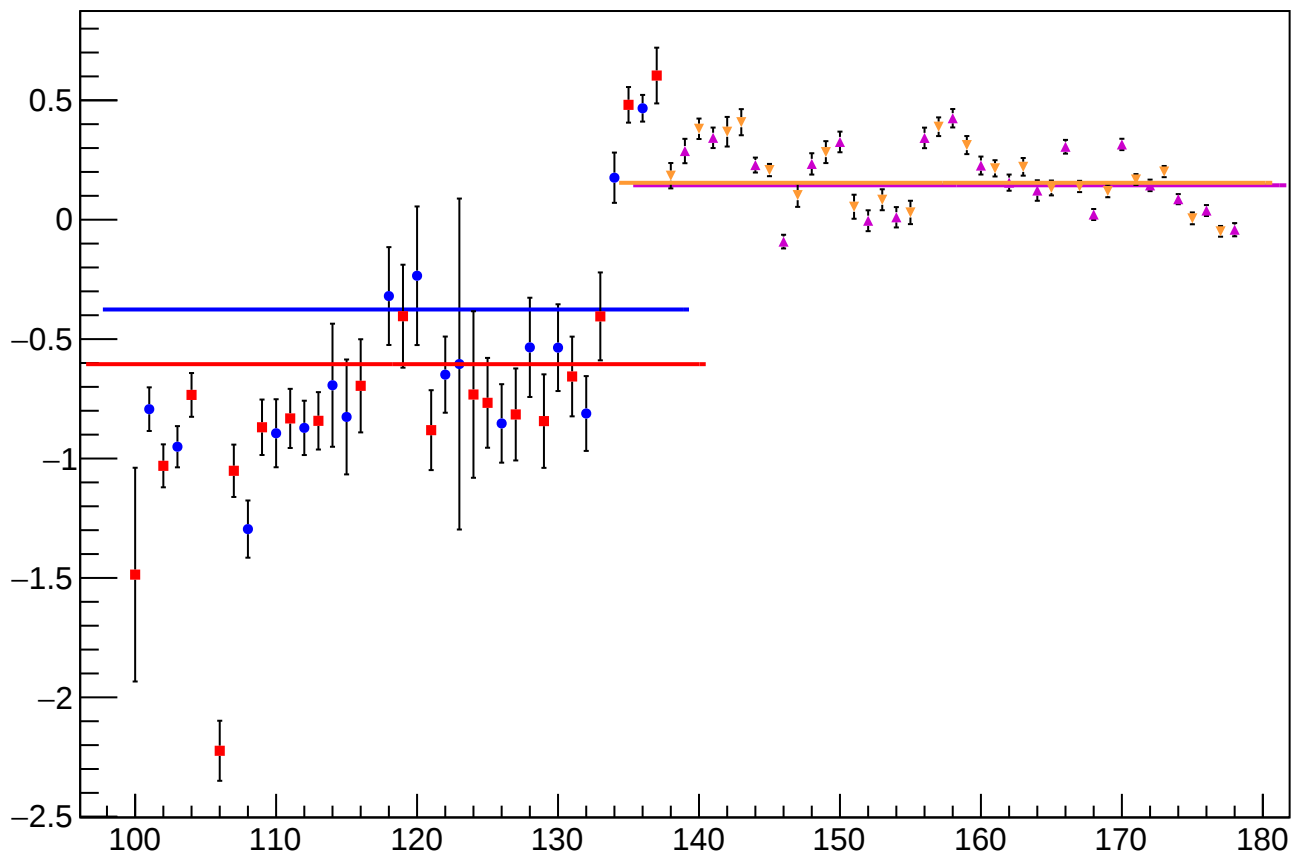
Left In: 22.782 $\pm$ 0.152 χ^2 /NDF:1311.0/19

+ sign 23.128 $\pm$ 0.149 χ^2 /NDF: 1773.9/37

All: 22.938 $\pm$ 0.105 χ^2 /NDF: 3455.5/76

- sign 22.754 $\pm$ 0.147 χ^2 /NDF: 1678.4/38

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 χ^2/NDF : 437.3/16

Left Out: 0.155 ± 0.007 χ^2/NDF : 272.4/20

Right Out: -0.605 ± 0.030 χ^2/NDF : 551.1/18

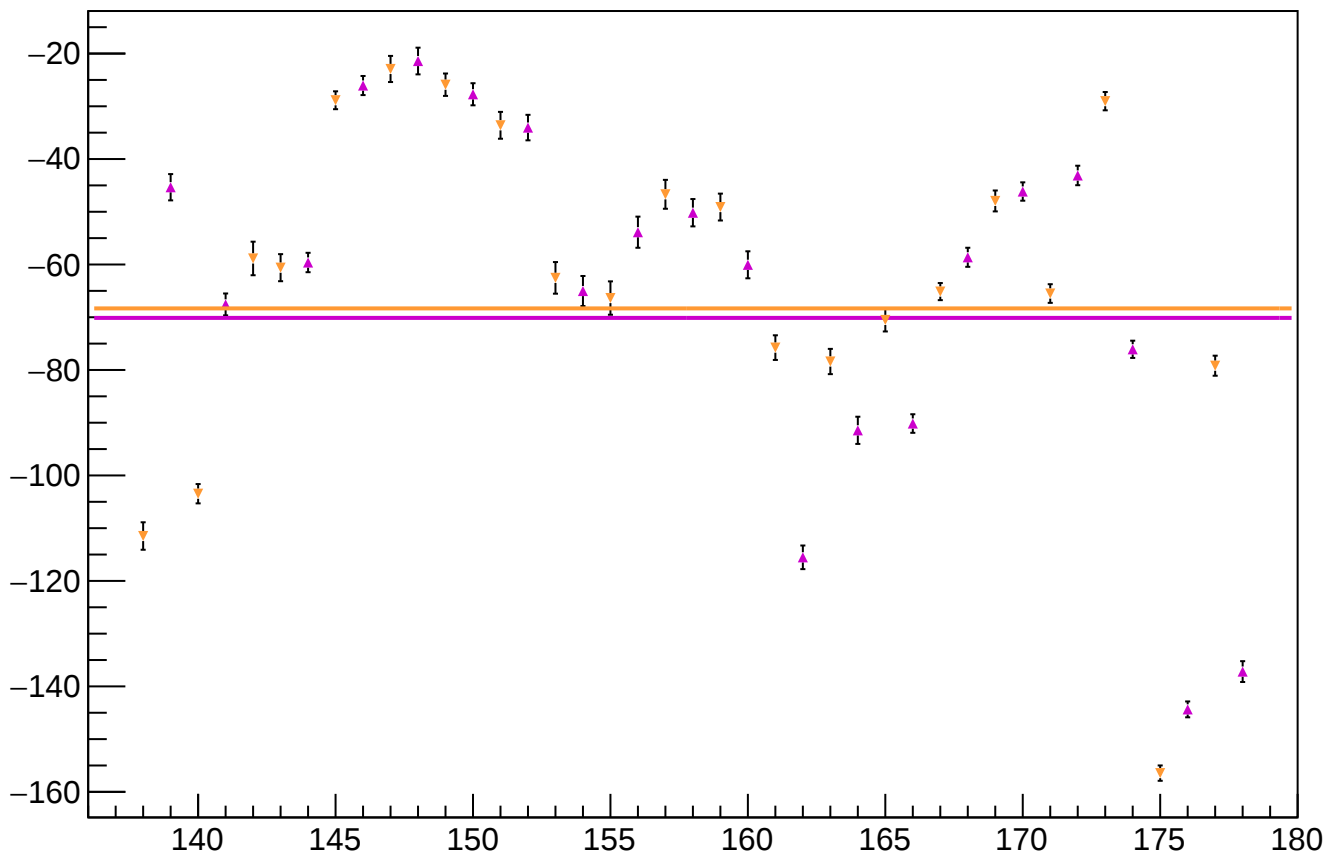
Left In: 0.144 ± 0.007 χ^2/NDF : 412.2/19

+ sign 0.127 ± 0.007 χ^2/NDF : 1003.5/37

All: 0.116 ± 0.005 χ^2/NDF : 2554.3/76

- sign 0.106 ± 0.007 χ^2/NDF : 1546.5/38

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -68.324 $\pm$ 0.462 χ^2 /NDF: 6598.7/20

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

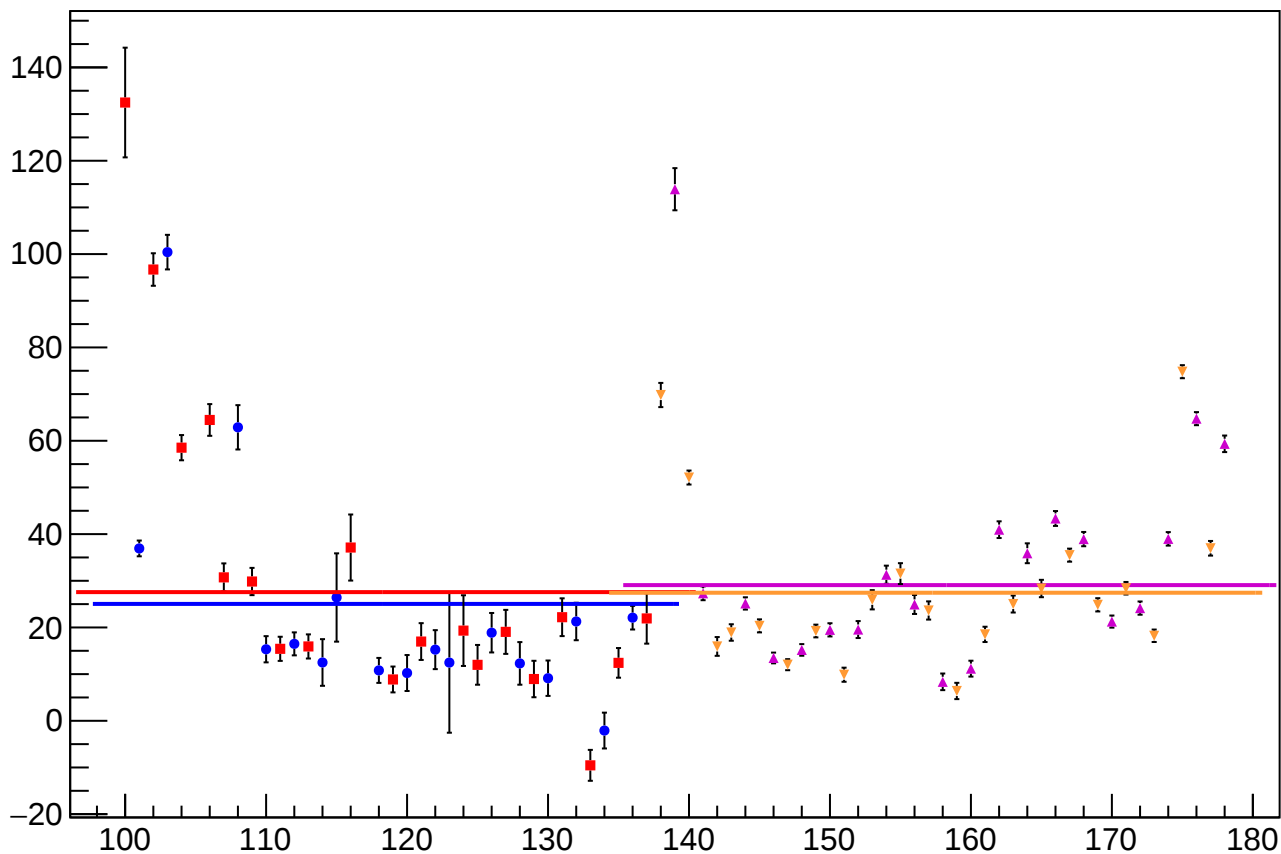
Left In: -70.125 $\pm$ 0.458 χ^2 /NDF: 6486.5/19

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

All: -69.232 $\pm$ 0.325 χ^2 /NDF: 13092.9/40

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

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 27.441 $\pm$ 0.345 χ^2 /NDF: 2413.5/20

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

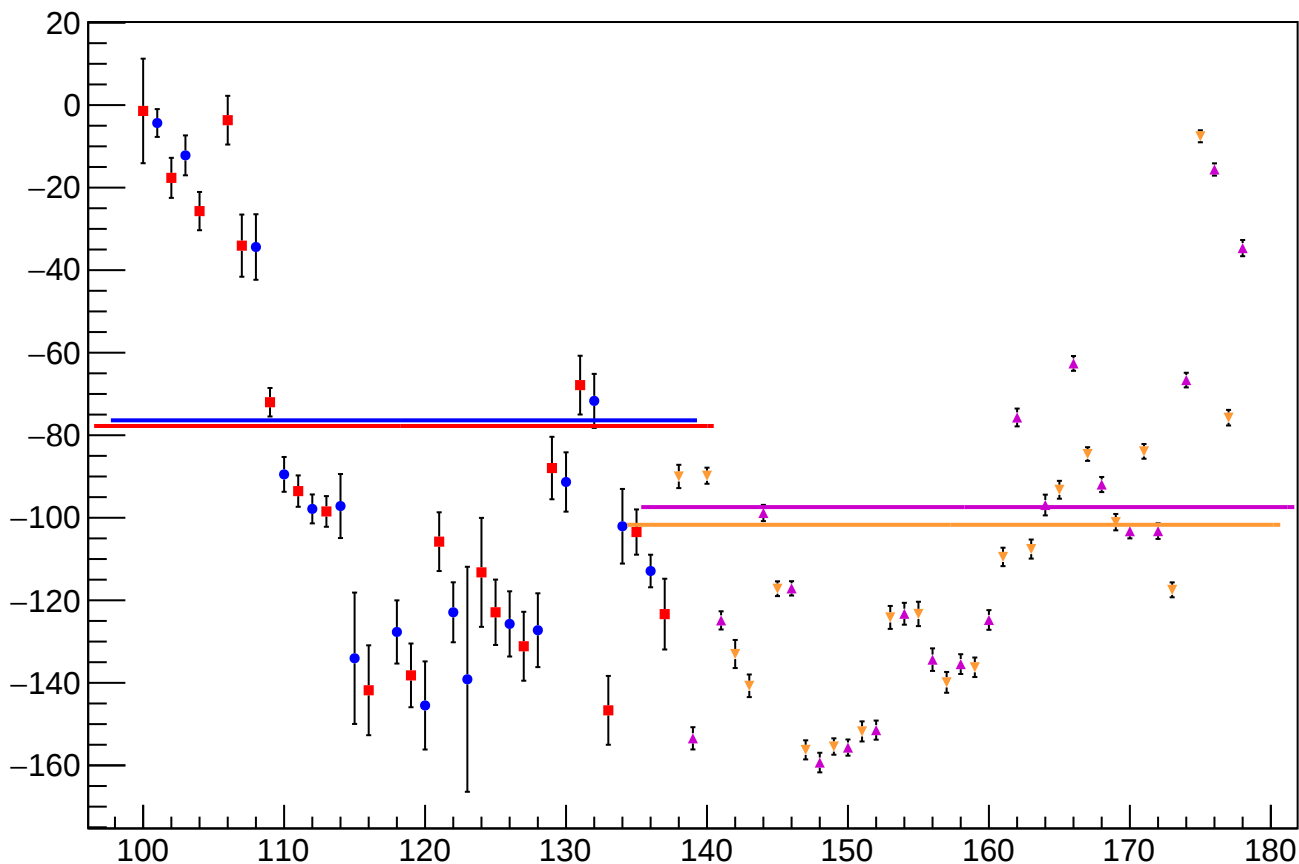
Left In: 29.075 $\pm$ 0.349 χ^2 /NDF: 2207.6/19

+ sign 27.070 $\pm$ 0.317 χ^2 /NDF: 3107.3/37

All: 27.946 $\pm$ 0.226 χ^2 /NDF: 6346.0/76

- sign 28.840 $\pm$ 0.321 χ^2 /NDF: 3223.3/38

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -101.702 ± 0.461 $\chi^2/\text{NDF}: 7374.6/20$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

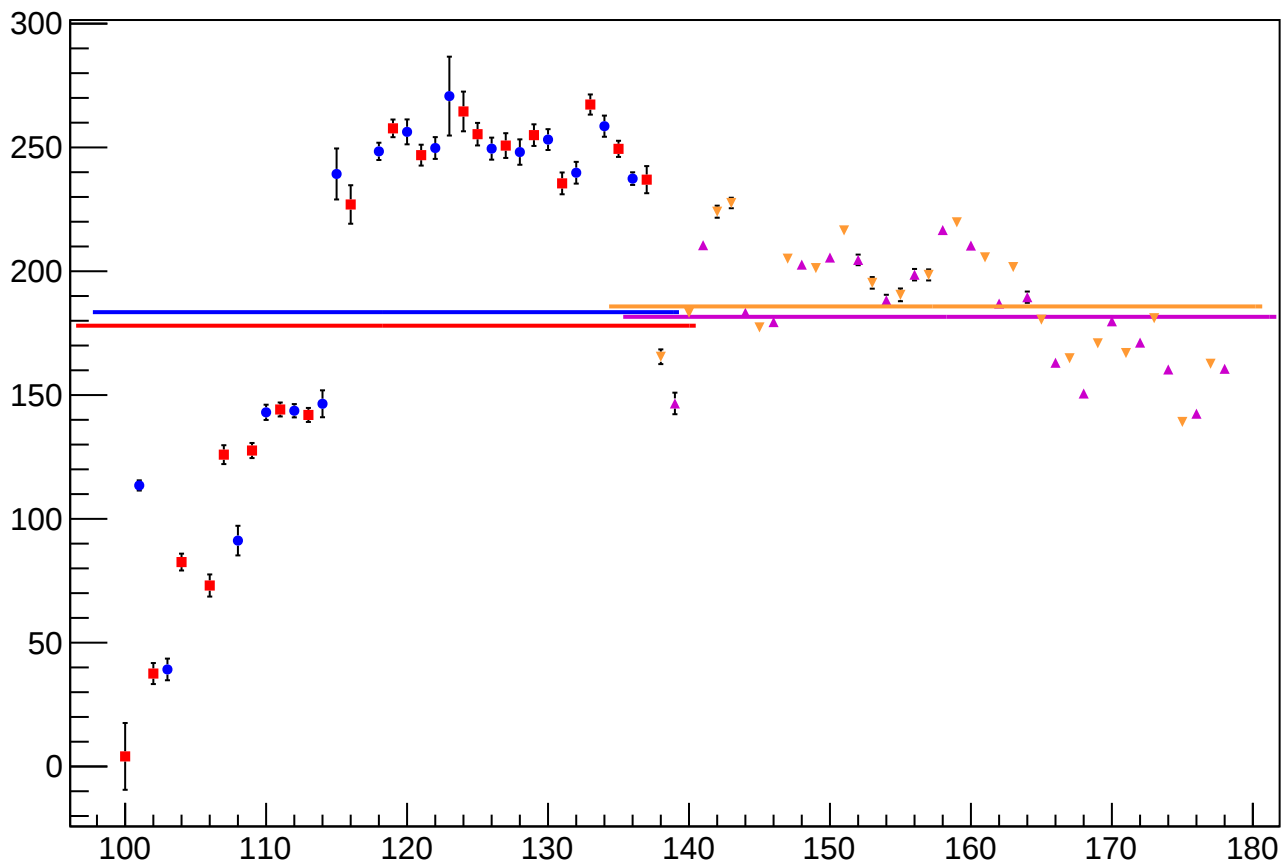
Left In: -97.411 ± 0.456 $\chi^2/\text{NDF}: 8335.5/19$

+ sign -99.274 ± 0.439 $\chi^2/\text{NDF}: 8695.3/37$

All: -97.311 ± 0.308 $\chi^2/\text{NDF}: 18132.4/76$

- sign -95.404 ± 0.432 $\chi^2/\text{NDF}: 9397.6/38$

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 ± 0.919 $\chi^2/\text{NDF}: 5331.4/16$

Left Out: 185.787 ± 0.393 $\chi^2/\text{NDF}: 3426.0/20$

Right Out: 178.011 ± 0.924 $\chi^2/\text{NDF}: 6345.7/18$

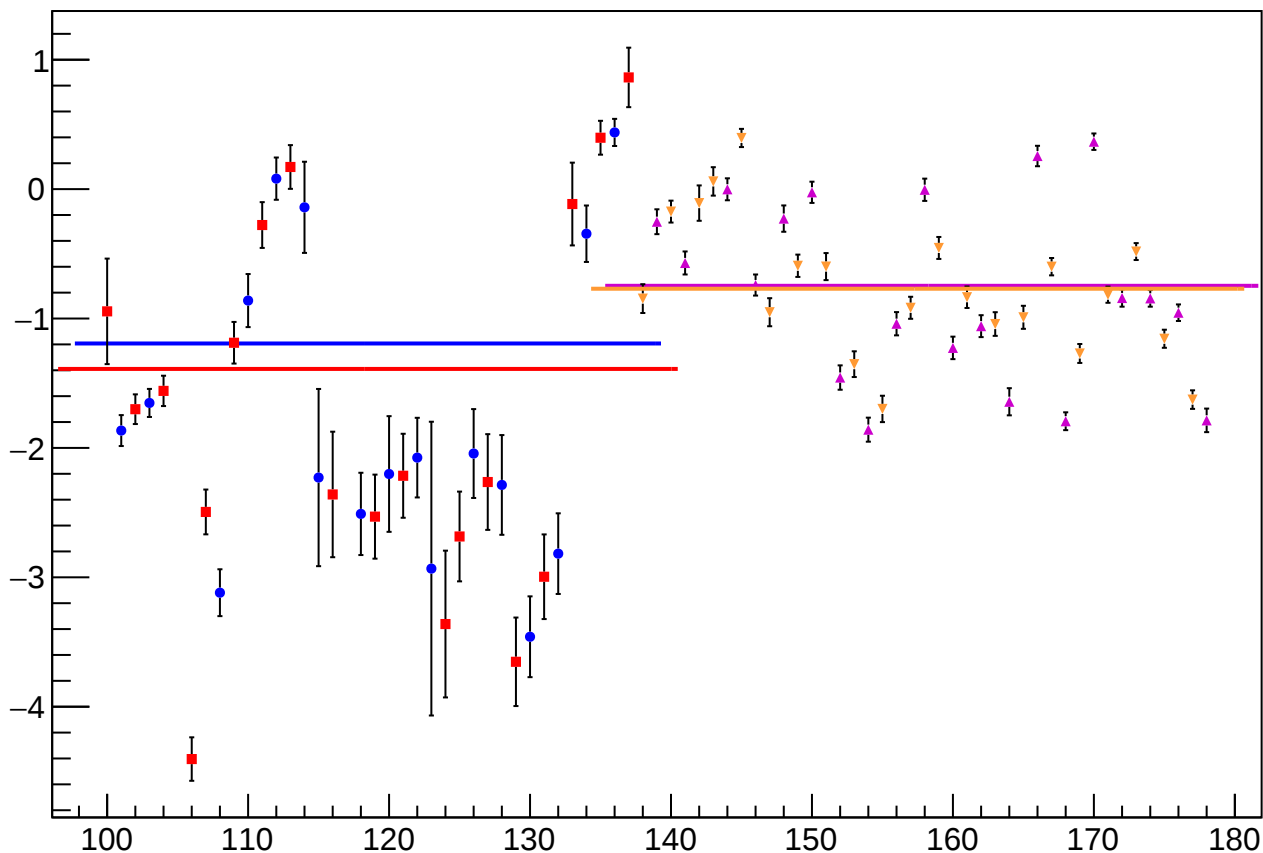
Left In: 181.593 ± 0.396 $\chi^2/\text{NDF}: 2948.4/19$

+ sign 185.429 ± 0.362 $\chi^2/\text{NDF}: 8762.8/37$

All: 183.248 ± 0.257 $\chi^2/\text{NDF}: 18142.8/76$

- sign 181.037 ± 0.364 $\chi^2/\text{NDF}: 9306.8/38$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.770 ± 0.018 χ^2/NDF : 811.0/20

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

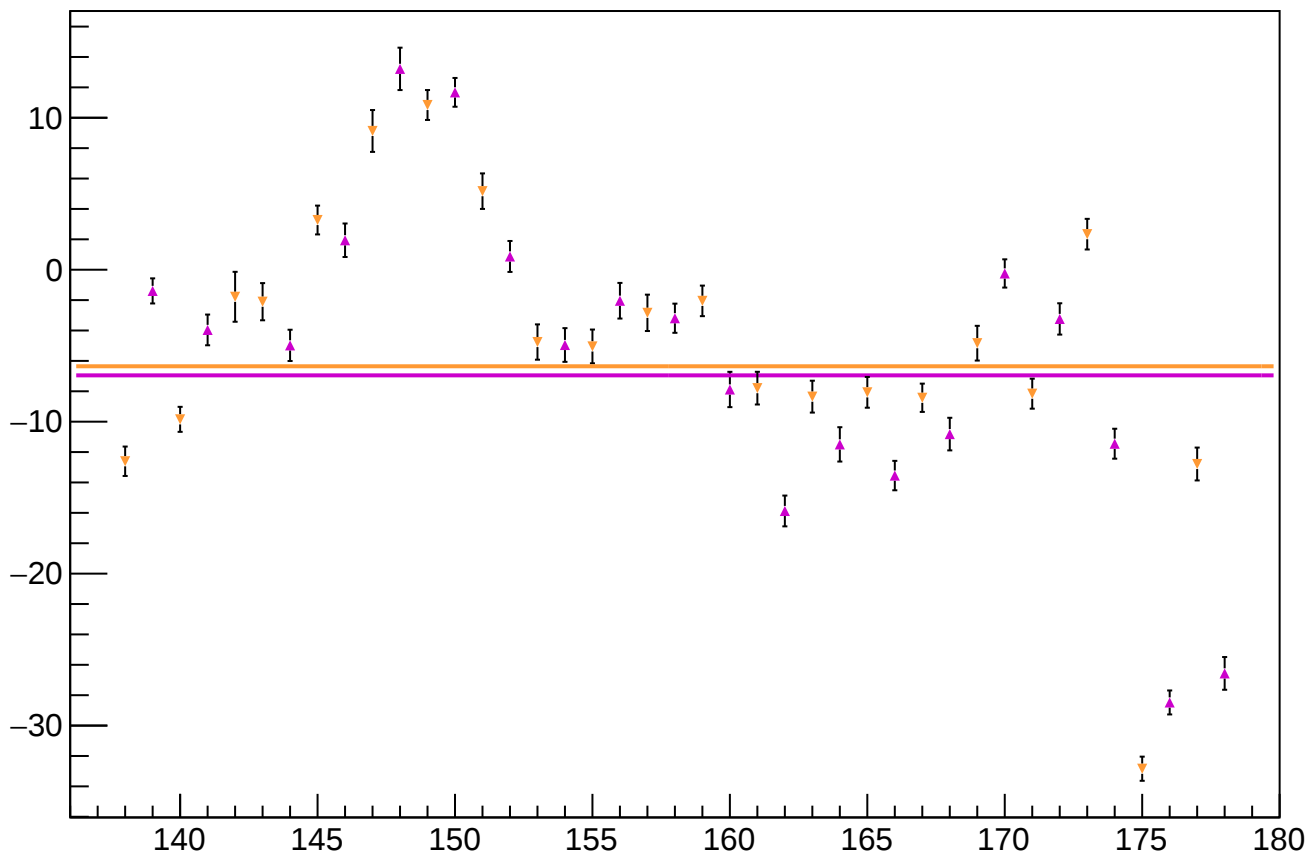
Left In: -0.747 ± 0.018 χ^2/NDF : 1457.4/19

+ sign -0.822 ± 0.017 χ^2/NDF : 1500.2/37

All: -0.828 ± 0.012 χ^2/NDF : 4048.5/76

- sign -0.833 ± 0.017 χ^2/NDF : 2548.1/38

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -6.354+/-0.227 χ^2/NDF :1979.8/20

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

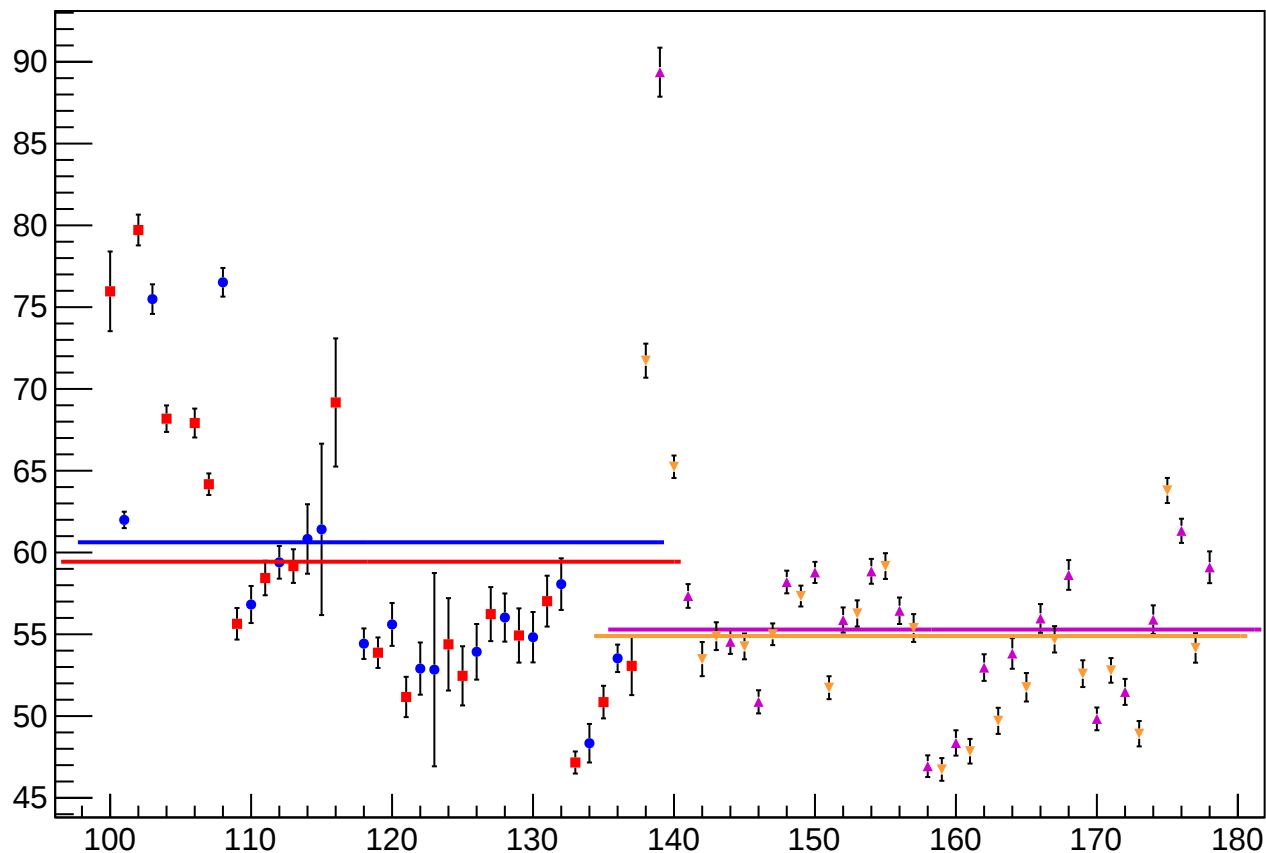
Left In: -6.952+/-0.227 χ^2/NDF :2129.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -6.654+/-0.161 χ^2/NDF : 4112.3/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 54.893 $\pm$ 0.171 χ^2 /NDF:1049.7/20

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

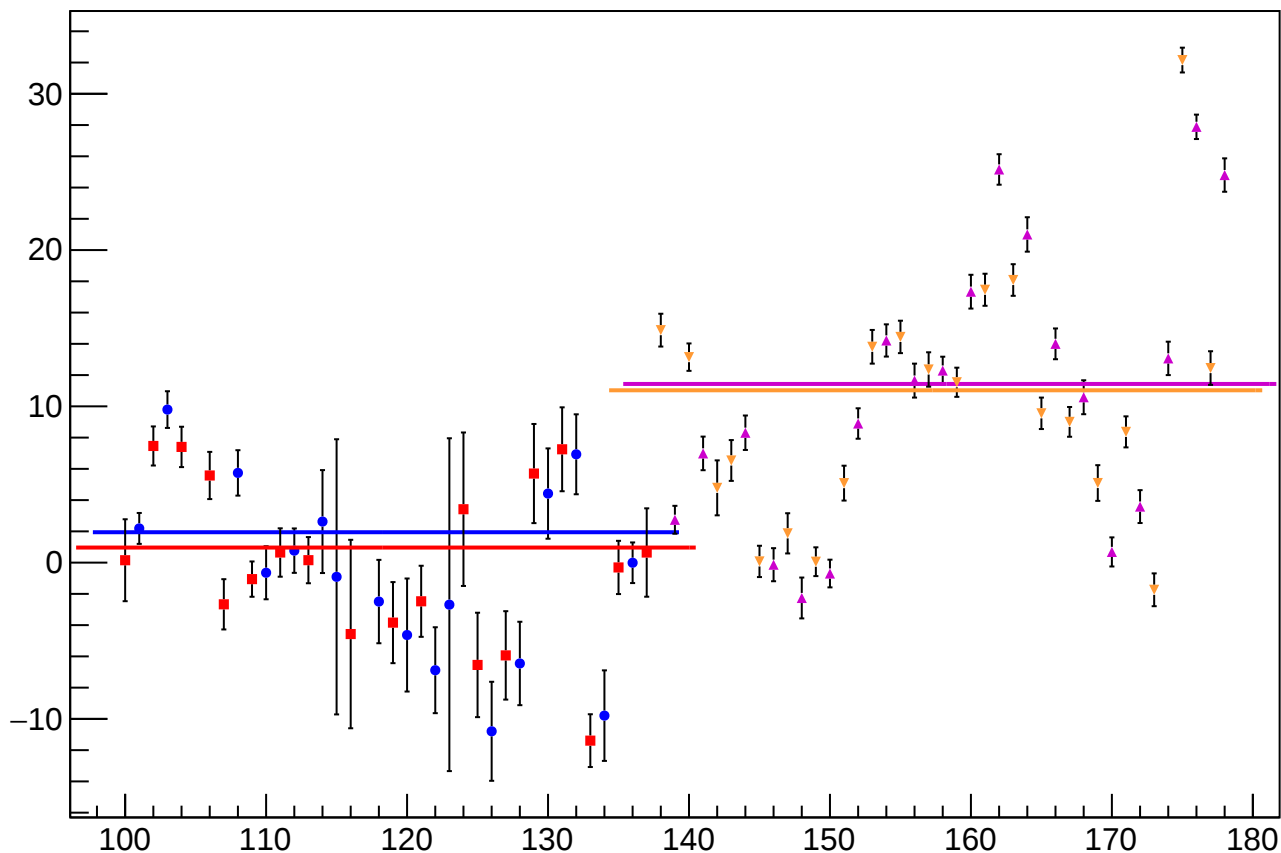
Left In: 55.290 $\pm$ 0.175 χ^2 /NDF:1067.5/19

+ sign 56.590 $\pm$ 0.143 χ^2 /NDF: 2308.6/37

All: 56.631 $\pm$ 0.101 χ^2 /NDF: 4886.4/76

- sign 56.673 $\pm$ 0.143 χ^2 /NDF: 2577.7/38

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 11.027 ± 0.226 χ^2/NDF : 1391.0/20

Right Out: 0.964 ± 0.424 χ^2/NDF : 149.5/18

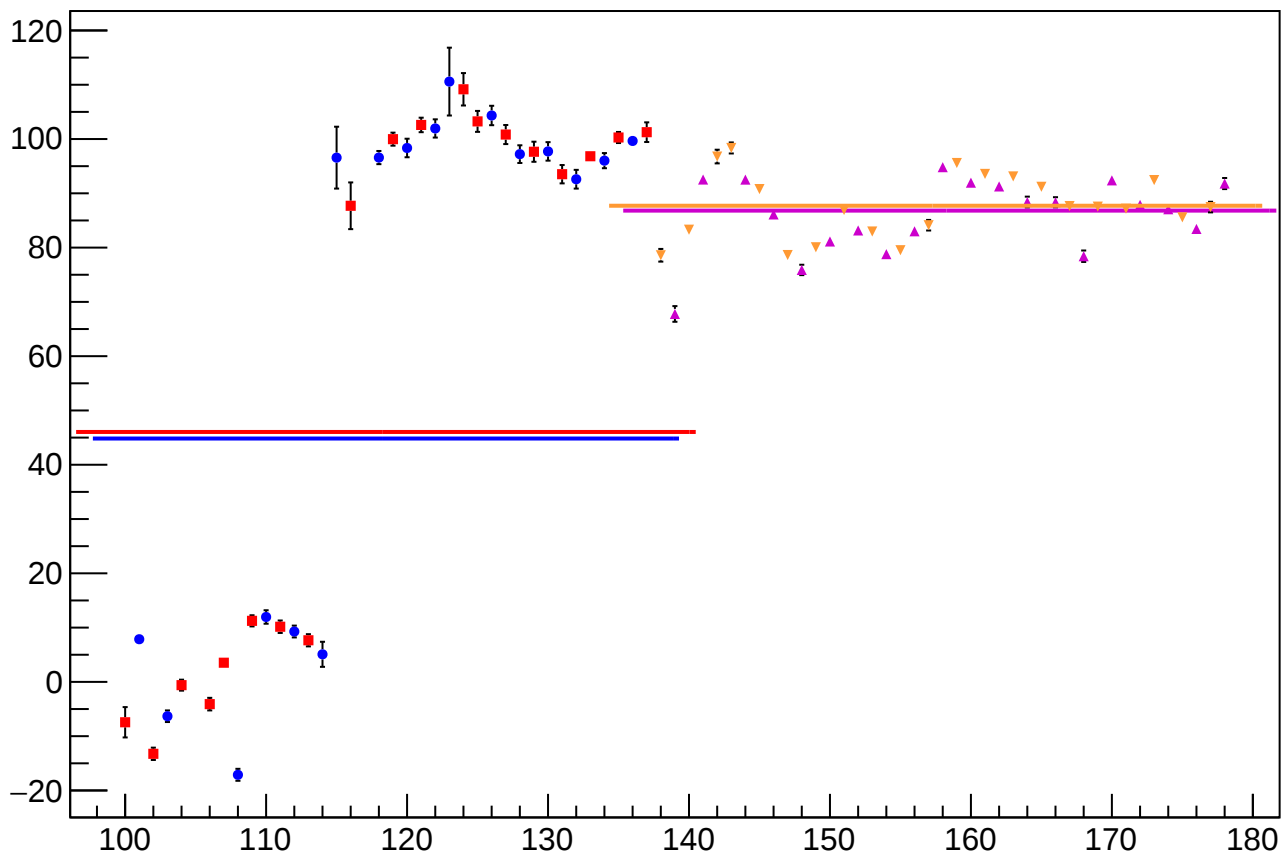
Left In: 11.433 ± 0.224 χ^2/NDF : 1653.5/19

+ sign 9.257 ± 0.203 χ^2/NDF : 1827.0/37

All: 9.200 ± 0.142 χ^2/NDF : 4105.8/76

- sign 9.146 ± 0.198 χ^2/NDF : 2278.7/38

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 87.713 $\pm$ 0.194 χ^2 /NDF:851.1/20

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

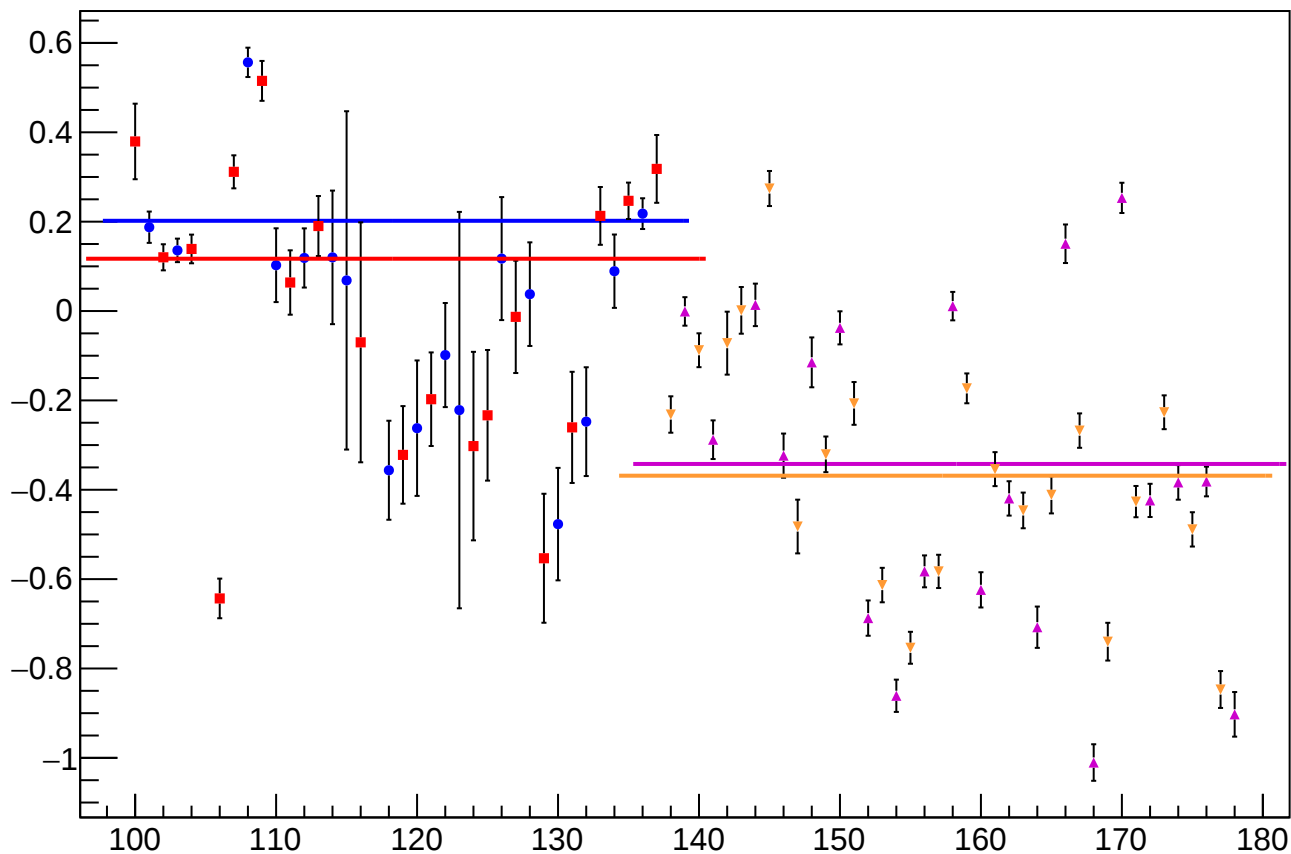
Left In: 86.814 $\pm$ 0.197 χ^2 /NDF:929.4/19

+ sign 75.367 $\pm$ 0.163 χ^2 /NDF: 39723.8/37

All: 74.625 $\pm$ 0.115 χ^2 /NDF: 82507.9/76

- sign 73.887 $\pm$ 0.163 χ^2 /NDF: 42743.0/38

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.369 ± 0.009 χ^2/NDF : 892.9/20

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

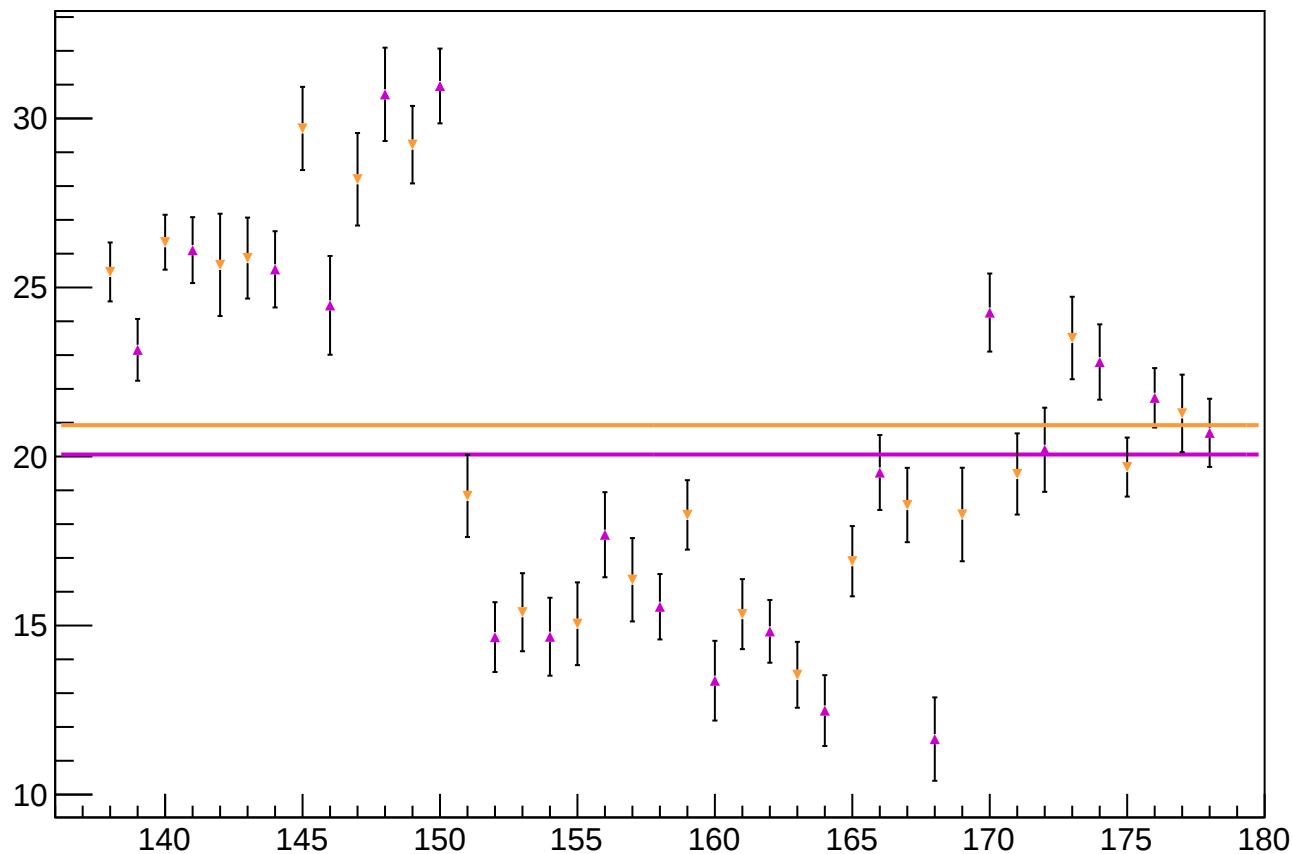
Left In: -0.342 ± 0.009 χ^2/NDF : 1665.7/19

+ sign -0.207 ± 0.007 χ^2/NDF : 2290.9/37

All: -0.203 ± 0.005 χ^2/NDF : 5313.7/76

- sign -0.200 ± 0.007 χ^2/NDF : 3022.3/38

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 20.928 $\pm$ 0.240 χ^2 /NDF:417.1/20

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

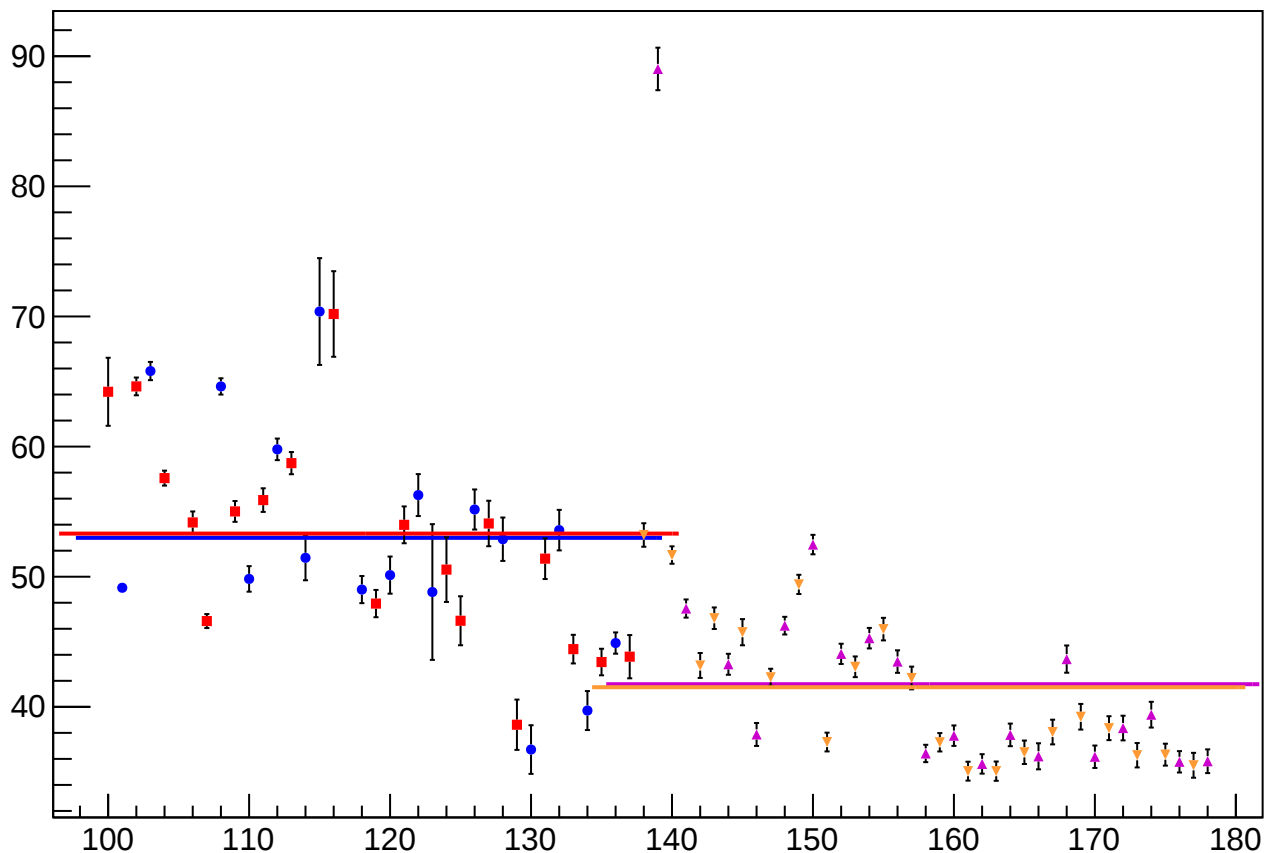
Left In: 20.059 $\pm$ 0.243 χ^2 /NDF:500.2/19

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

All: 20.498 $\pm$ 0.171 χ^2 /NDF: 923.8/40

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

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989+/-0.211 χ^2/NDF : 1198.0/16

Left Out: 41.508+/-0.179 χ^2/NDF : 999.9/20

Right Out: 53.315+/-0.227 χ^2/NDF : 875.6/18

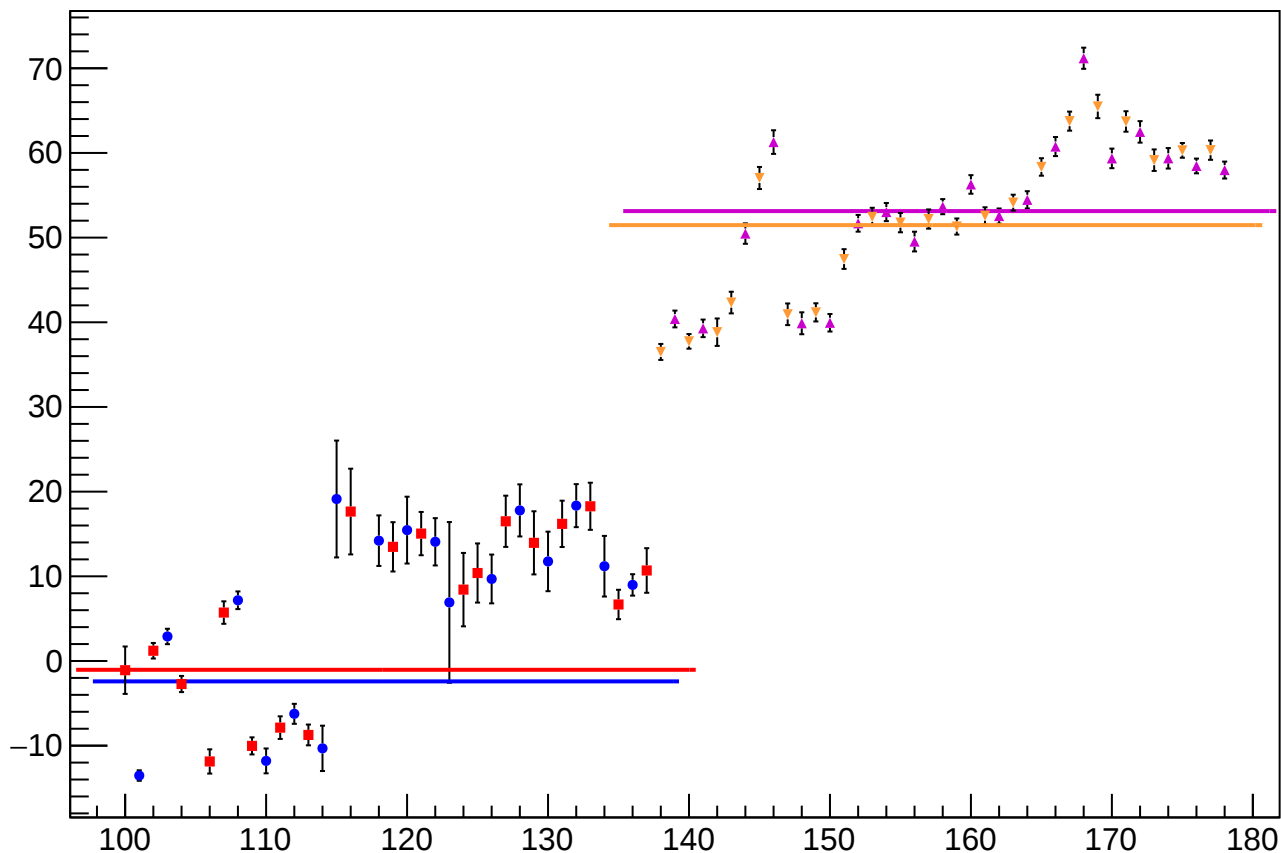
Left In: 41.740+/-0.186 χ^2/NDF : 1576.8/19

+ sign 46.316+/-0.136 χ^2/NDF : 3920.6/37

All: 46.356+/-0.099 χ^2/NDF : 7930.3/76

- sign 46.399+/-0.144 χ^2/NDF : 4009.5/38

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 51.476 ± 0.239 χ^2/NDF : 1384.3/20

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

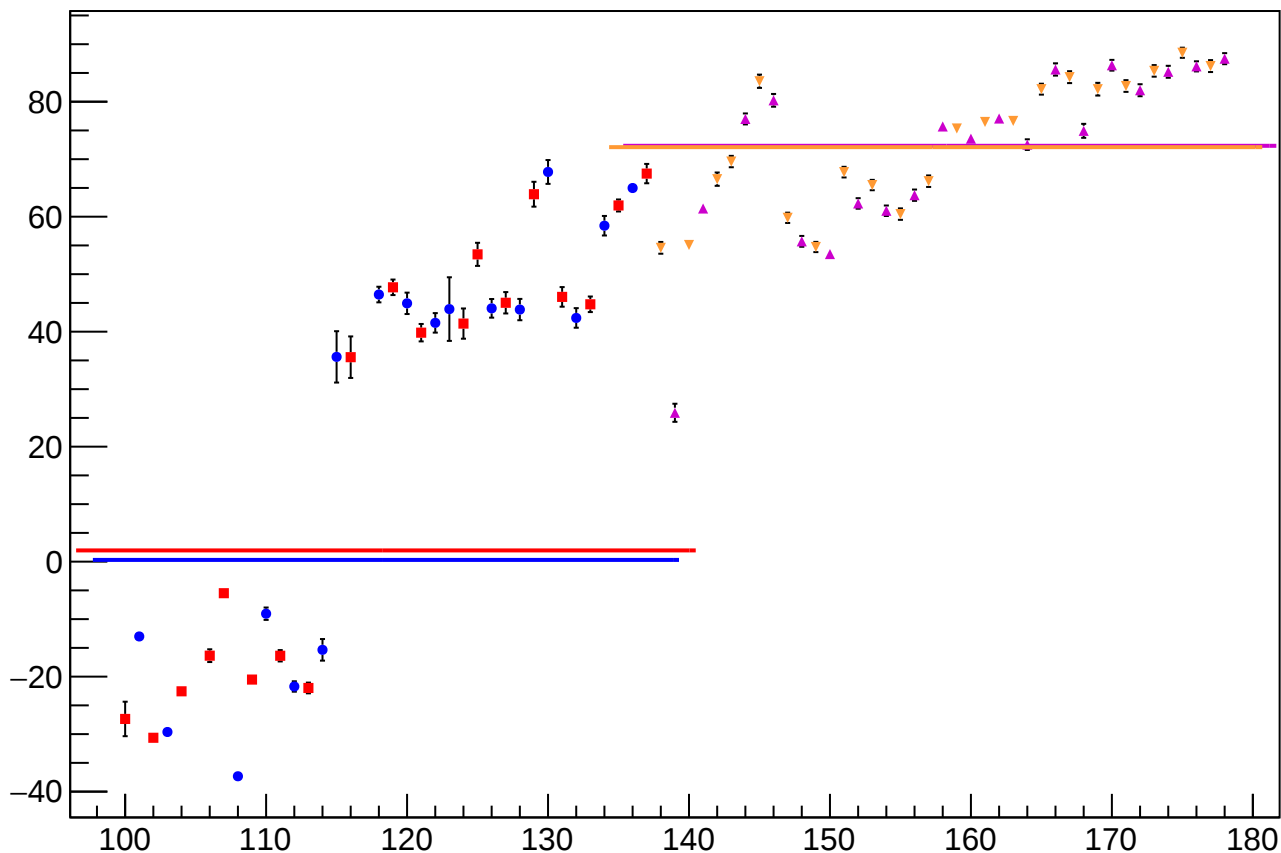
Left In: 53.133 ± 0.240 χ^2/NDF : 1097.9/19

+ sign 35.305 ± 0.200 χ^2/NDF : 17529.9/37

All: 36.409 ± 0.142 χ^2/NDF : 33899.2/76

- sign 37.544 ± 0.202 χ^2/NDF : 16307.2/38

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 72.095 ± 0.204 χ^2/NDF : 2908.6/20

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

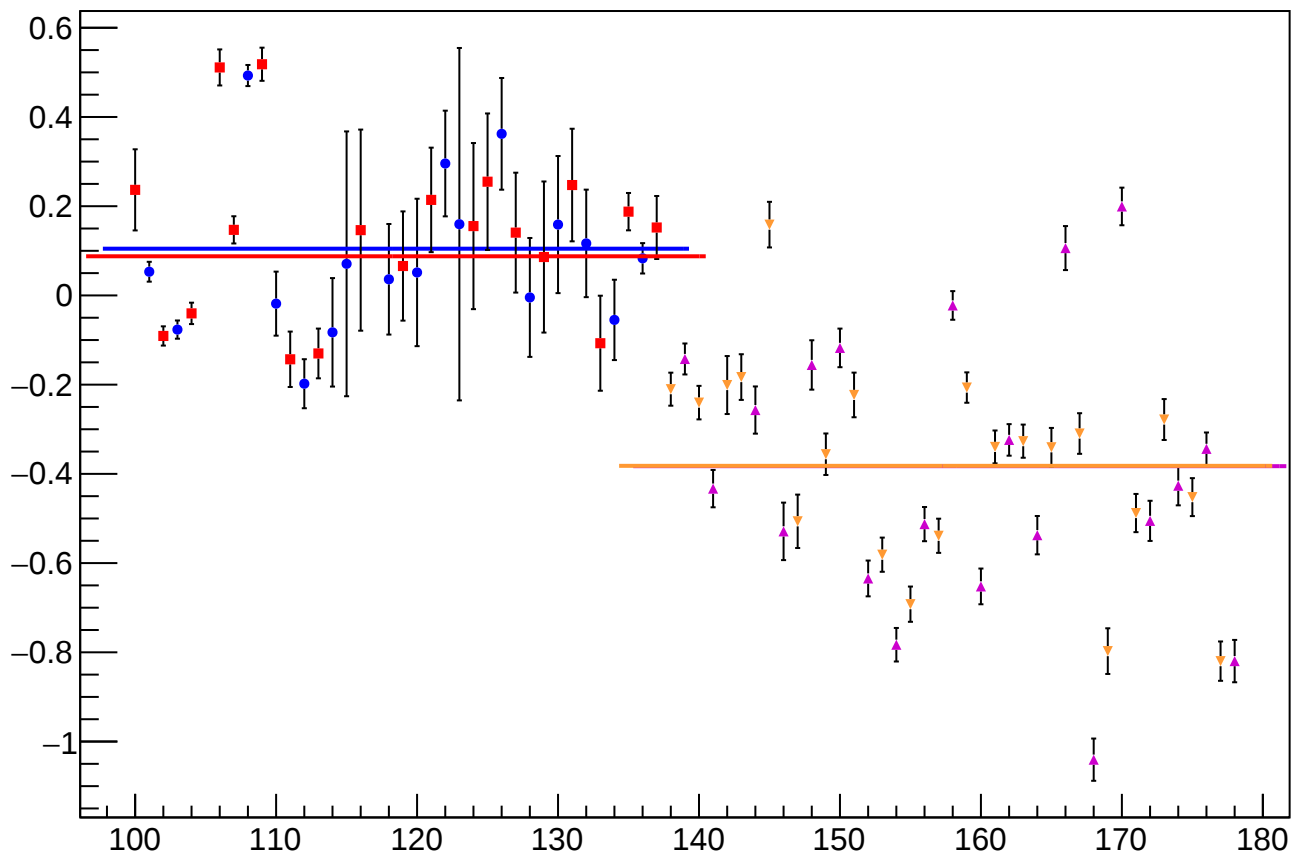
Left In: 72.329 ± 0.210 χ^2/NDF : 3425.8/19

+ sign 43.032 ± 0.157 χ^2/NDF : 71285.1/37

All: 44.180 ± 0.114 χ^2/NDF : 133322.9/76

- sign 45.439 ± 0.165 χ^2/NDF : 61926.3/38

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.382 ± 0.009 $\chi^2/\text{NDF}: 502.4/20$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

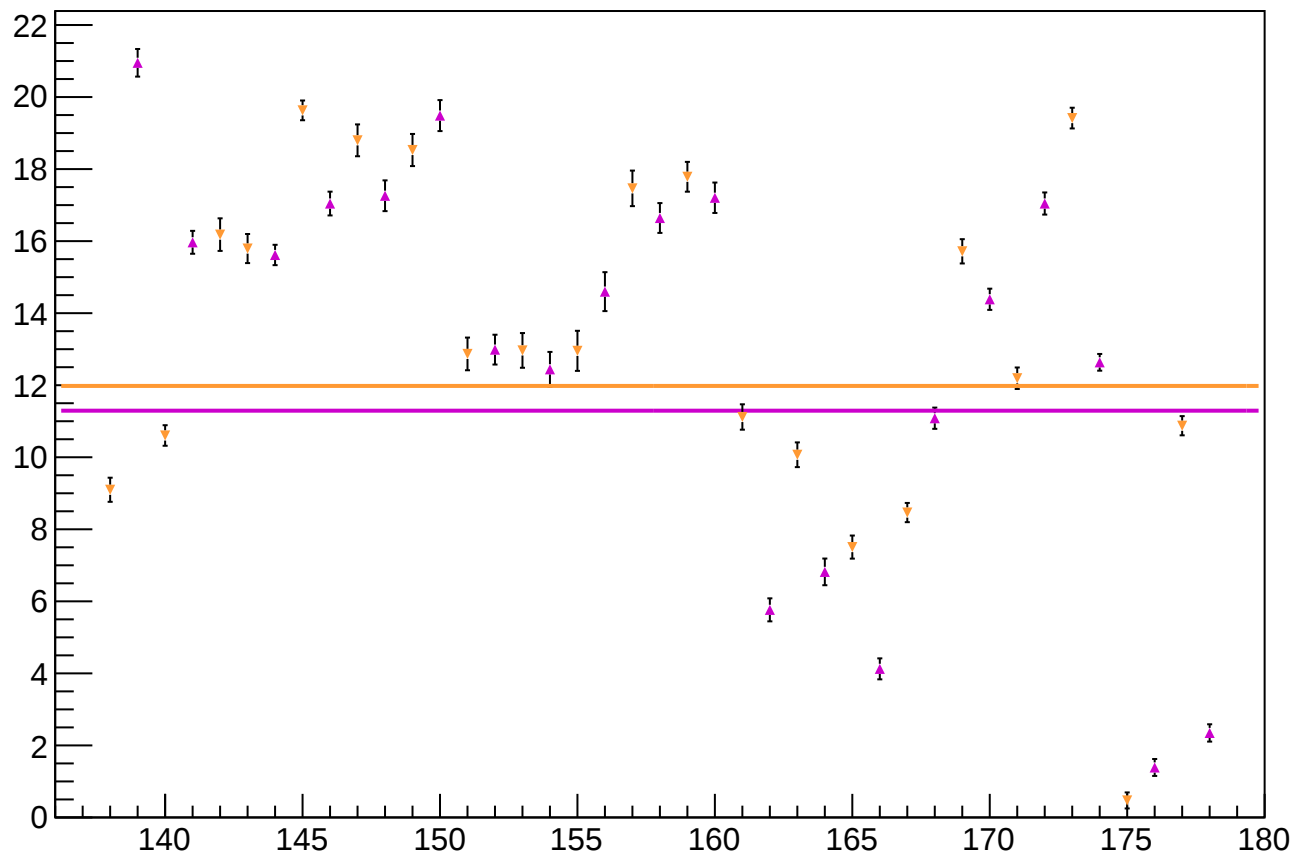
Left In: -0.383 ± 0.009 $\chi^2/\text{NDF}: 1042.0/19$

+ sign -0.178 ± 0.007 $\chi^2/\text{NDF}: 2033.2/37$

All: -0.182 ± 0.005 $\chi^2/\text{NDF}: 4526.7/76$

- sign -0.185 ± 0.007 $\chi^2/\text{NDF}: 2493.0/38$

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 11.980+/-0.074 χ^2/NDF : 5729.1/20

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

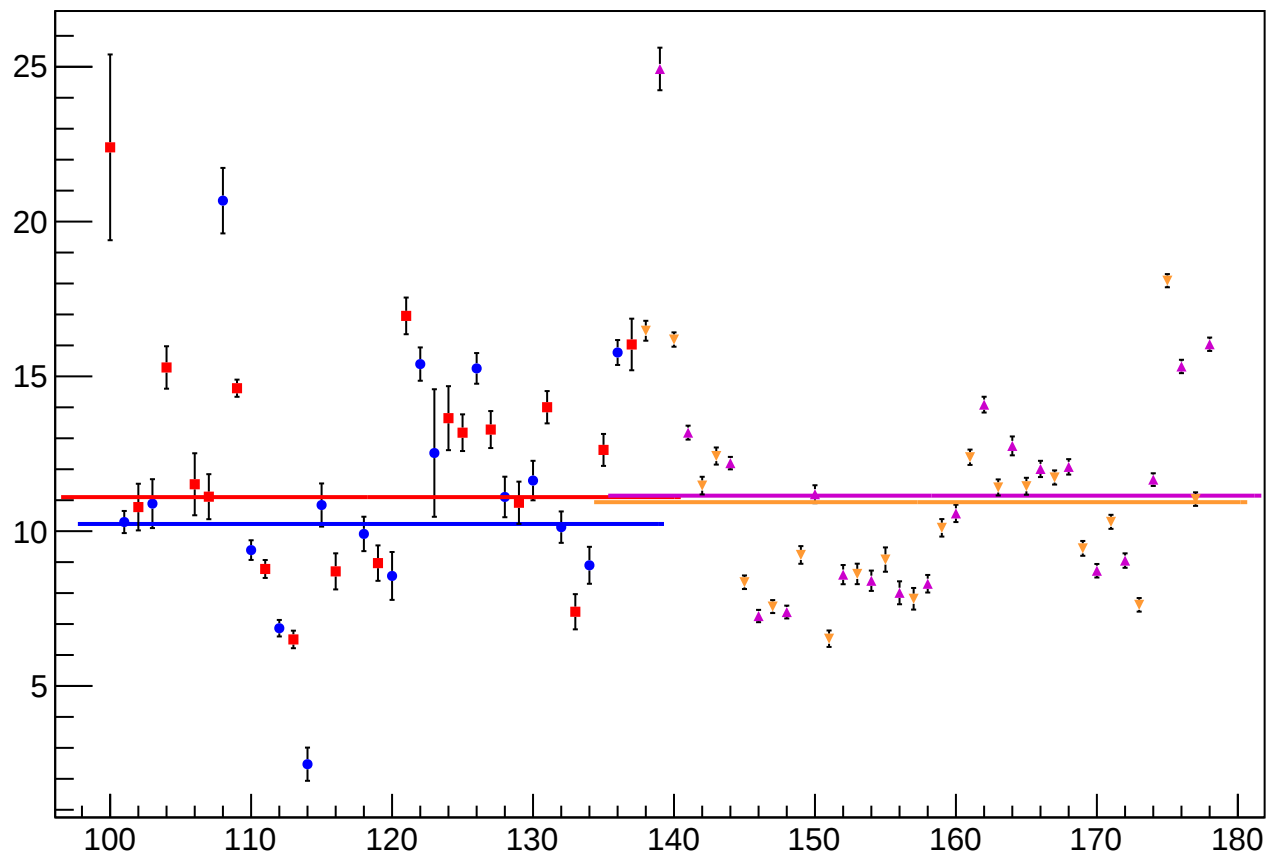
Left In: 11.293+/-0.072 χ^2/NDF : 7075.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 11.631+/-0.052 χ^2/NDF : 12848.9/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 10.937 $\pm$ 0.056 χ^2 /NDF:3170.4/20

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

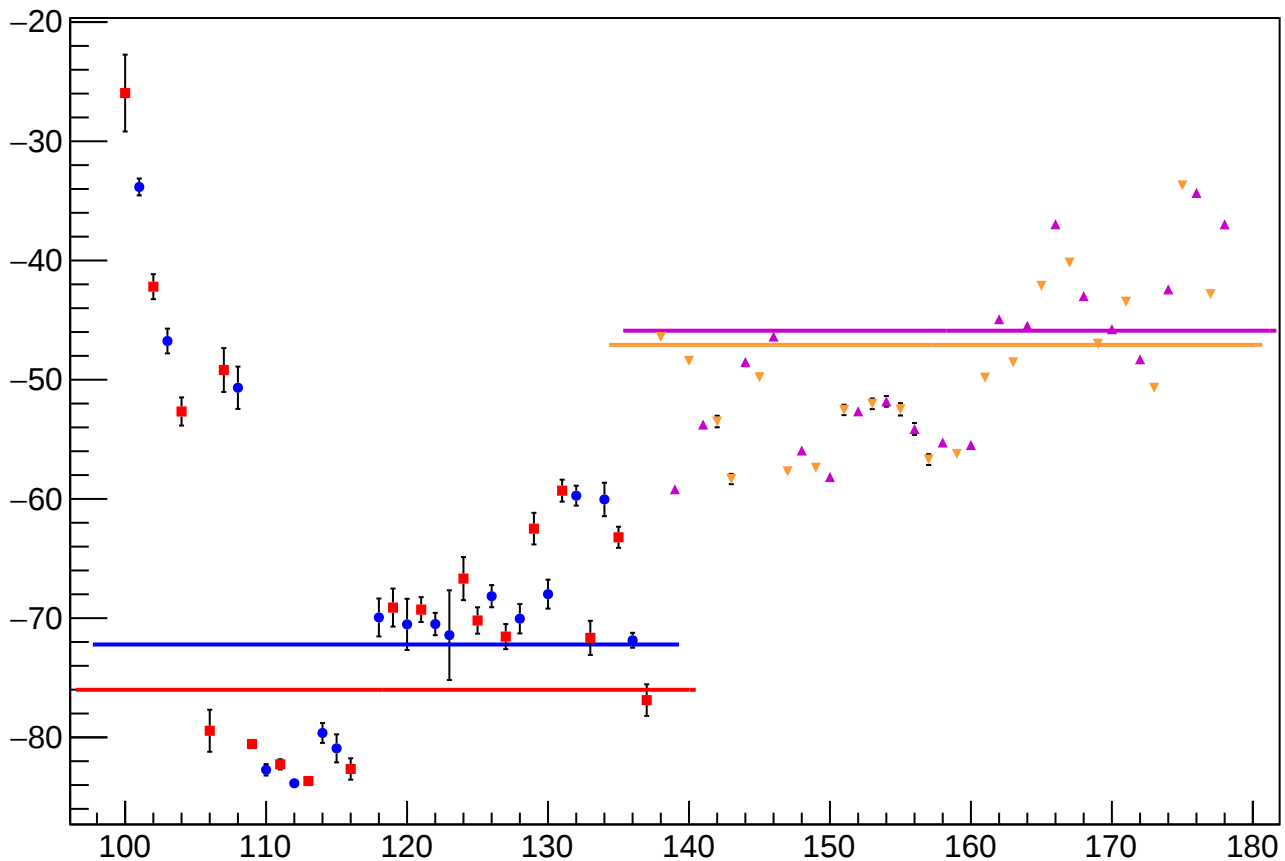
Left In: 11.147 $\pm$ 0.056 χ^2 /NDF:2814.3/19

+ sign 10.811 $\pm$ 0.050 χ^2 /NDF: 4075.7/37

All: 10.975 $\pm$ 0.036 χ^2 /NDF: 7729.0/76

- sign 11.138 $\pm$ 0.050 χ^2 /NDF: 3632.2/38

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 ± 0.198 χ^2/NDF : 5566.2/16

Left Out: -47.076 ± 0.074 χ^2/NDF : 8747.7/20

Right Out: -76.009 ± 0.181 χ^2/NDF : 3463.3/18

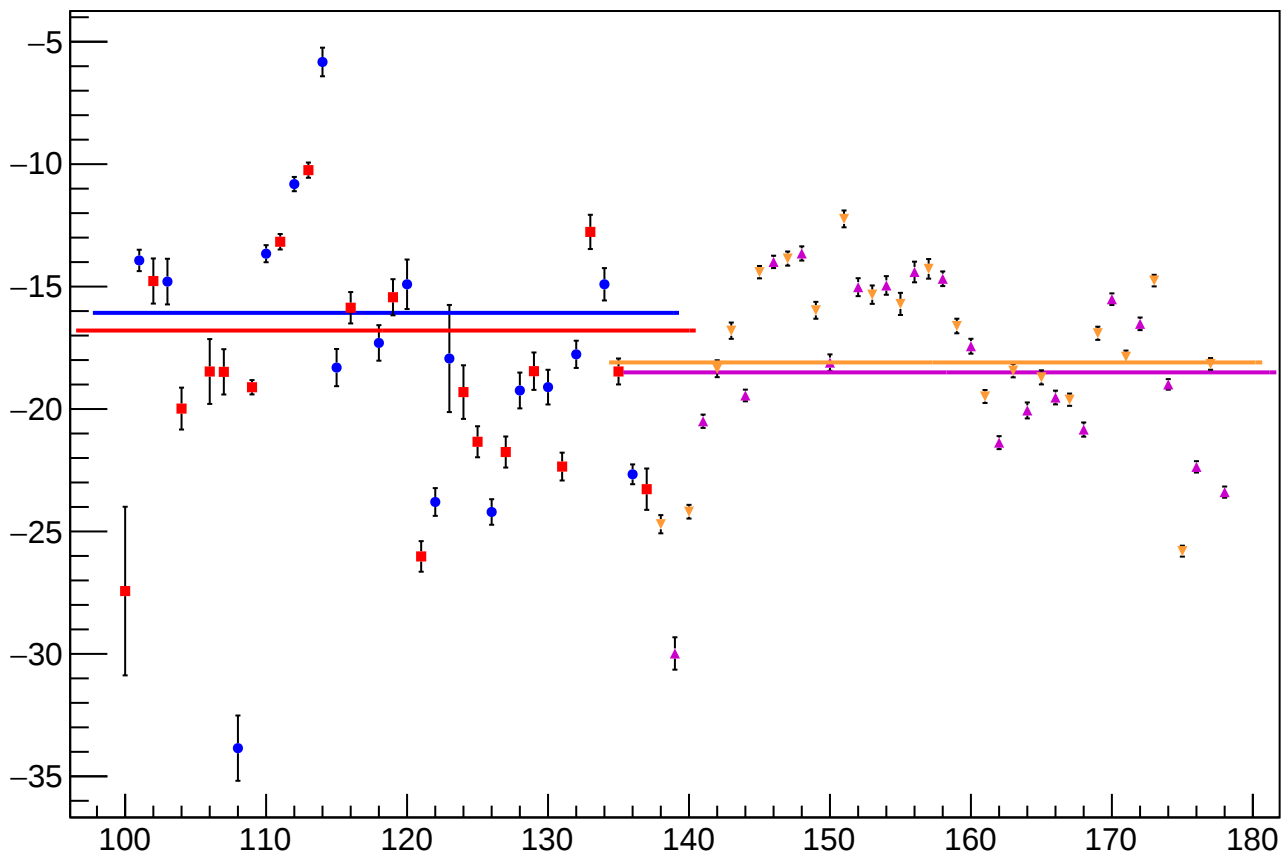
Left In: -45.888 ± 0.072 χ^2/NDF : 10266.1/19

+ sign -50.144 ± 0.069 χ^2/NDF : 28463.4/37

All: -50.092 ± 0.048 χ^2/NDF : 66071.6/76

- sign -50.042 ± 0.067 χ^2/NDF : 37607.0/38

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -18.097 ± 0.063 χ^2/NDF : 3237.3/20

Right Out: -16.795 ± 0.128 χ^2/NDF : 1216.0/18

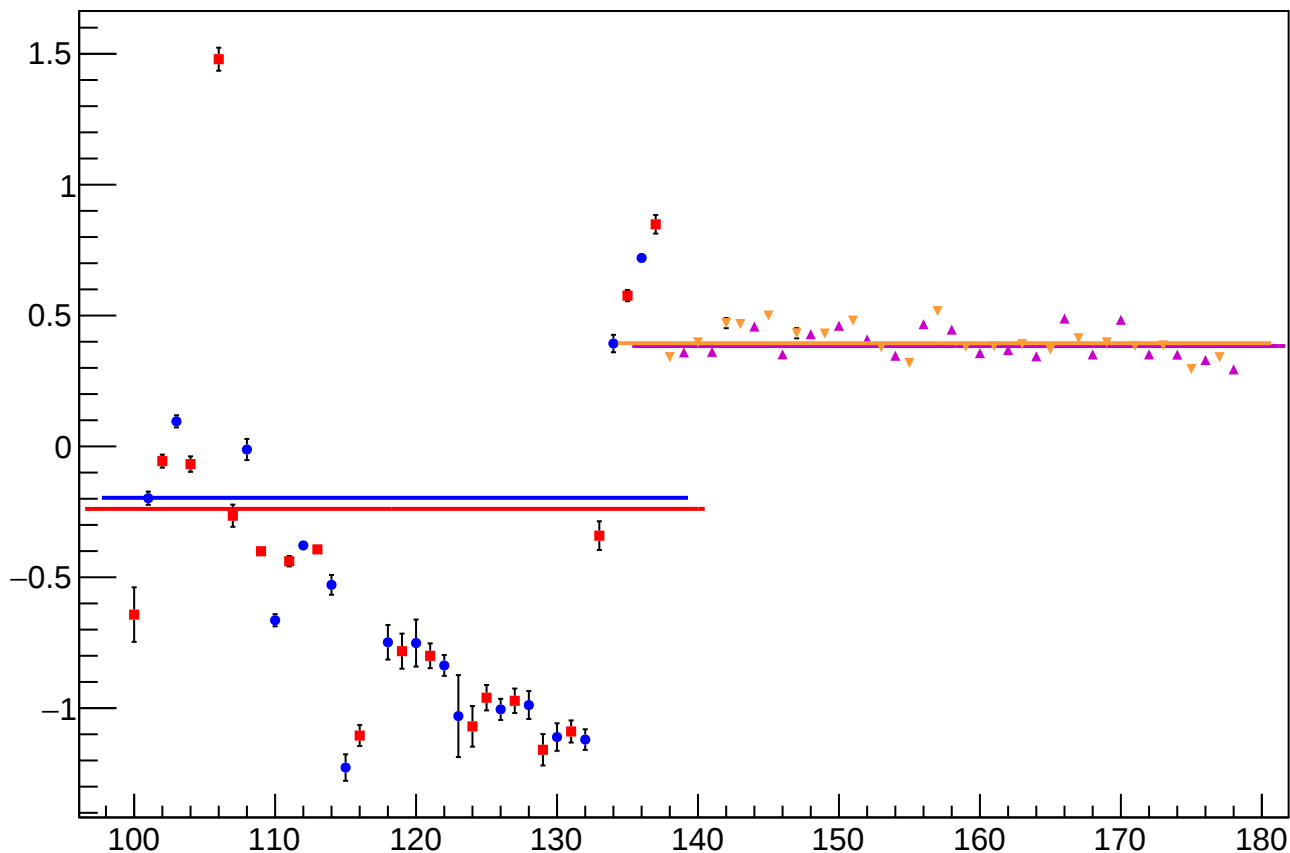
Left In: -18.503 ± 0.063 χ^2/NDF : 2591.8/19

+ sign -17.724 ± 0.057 χ^2/NDF : 5068.1/37

All: -17.948 ± 0.040 χ^2/NDF : 9050.0/76

- sign -18.170 ± 0.057 χ^2/NDF : 3950.9/38

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.394 ± 0.003 χ^2/NDF : 367.2/20

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

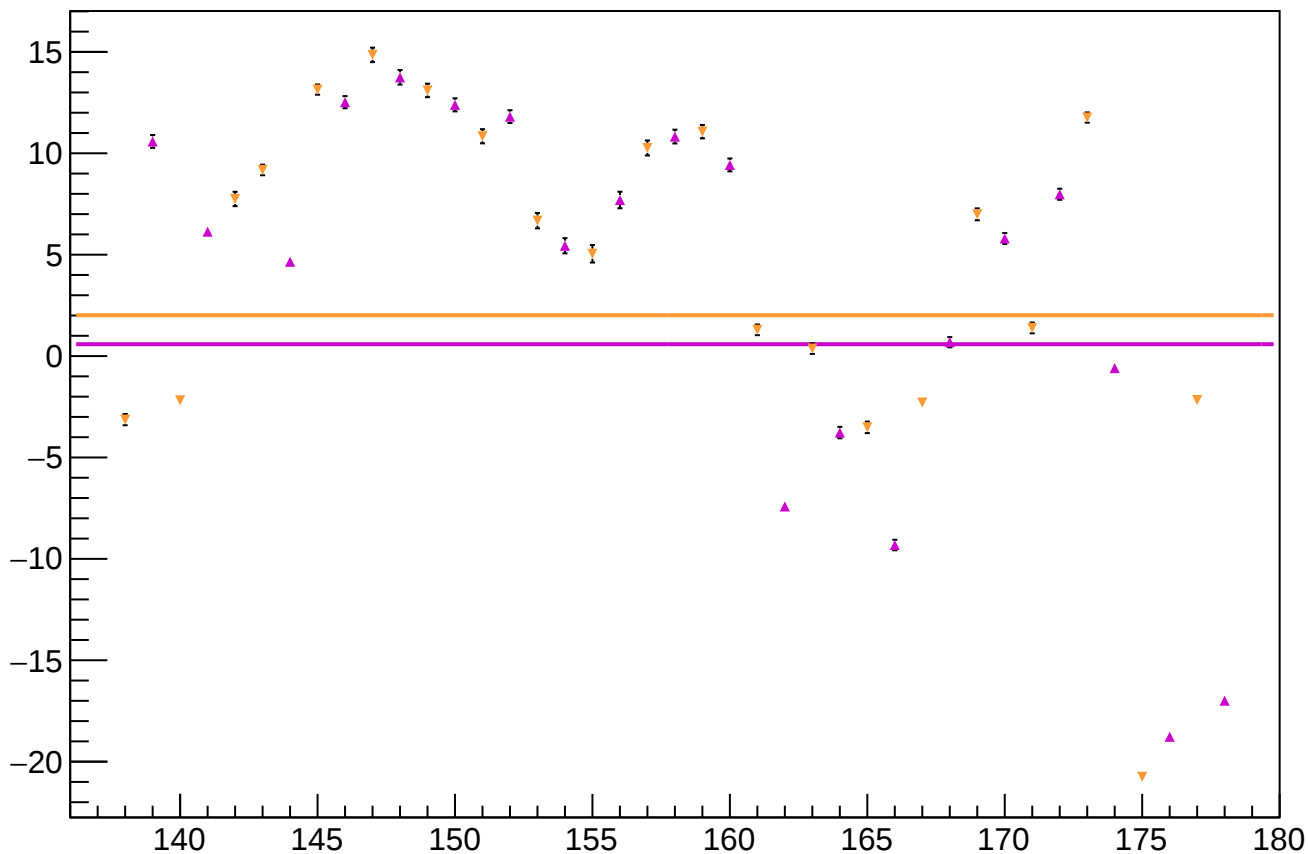
Left In: 0.384 ± 0.003 χ^2/NDF : 409.1/19

+ sign 0.318 ± 0.003 χ^2/NDF : 12027.2/37

All: 0.307 ± 0.002 χ^2/NDF : 25124.8/76

- sign 0.297 ± 0.003 χ^2/NDF : 13069.0/38

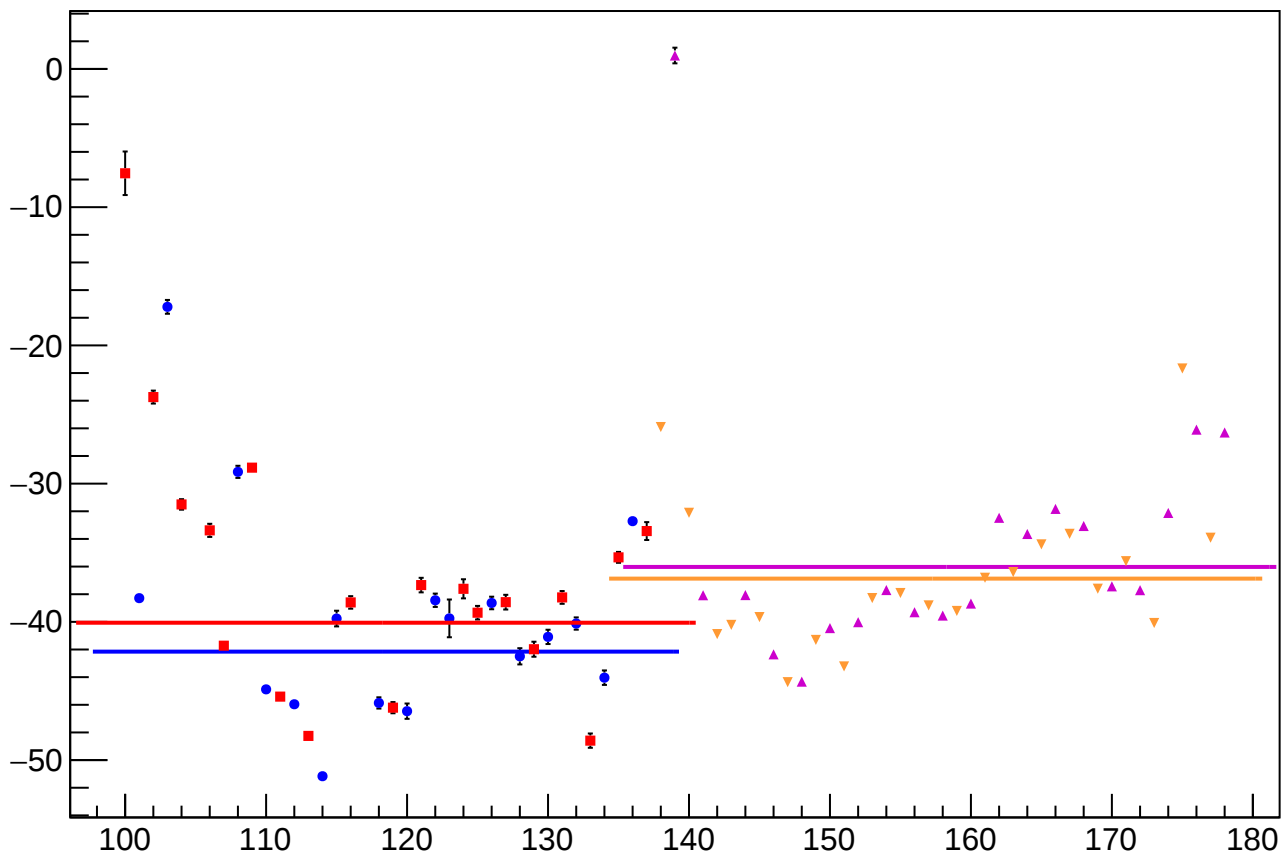
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.016 +/- 0.061 χ^2/NDF : 24267.0/20
 Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left In: 0.585 +/- 0.061 χ^2/NDF : 27867.8/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 All: 1.303 +/- 0.043 χ^2/NDF : 52409.4/40
 - 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: -36.871 ± 0.046 χ^2/NDF : 14098.5/20

Right Out: -40.062 ± 0.073 χ^2/NDF : 11322.2/18

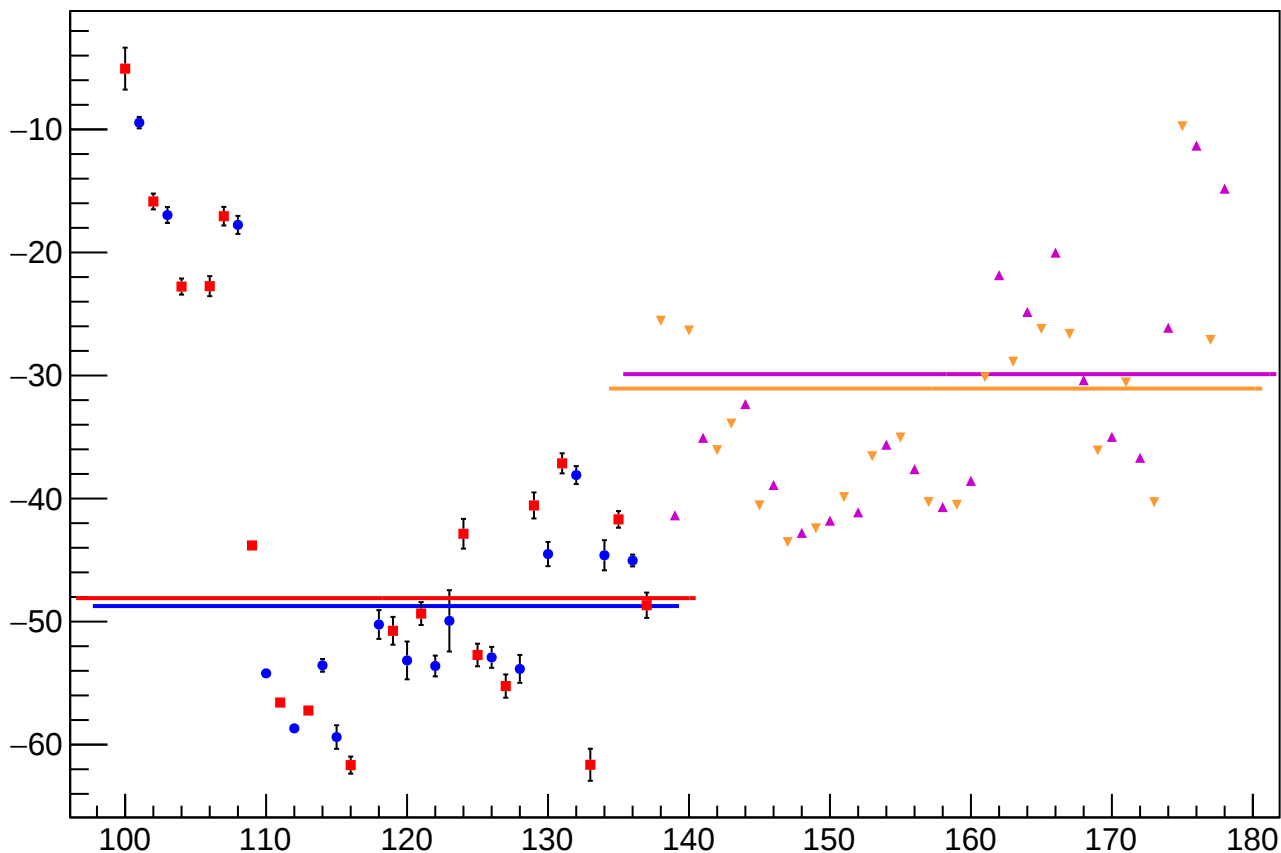
Left In: -36.026 ± 0.047 χ^2/NDF : 15625.8/19

+ sign -38.213 ± 0.039 χ^2/NDF : 24075.2/37

All: -37.715 ± 0.028 χ^2/NDF : 53516.6/76

- sign -37.213 ± 0.039 χ^2/NDF : 29119.2/38

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -31.061 ± 0.061 $\chi^2/\text{NDF}: 21824.3/20$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

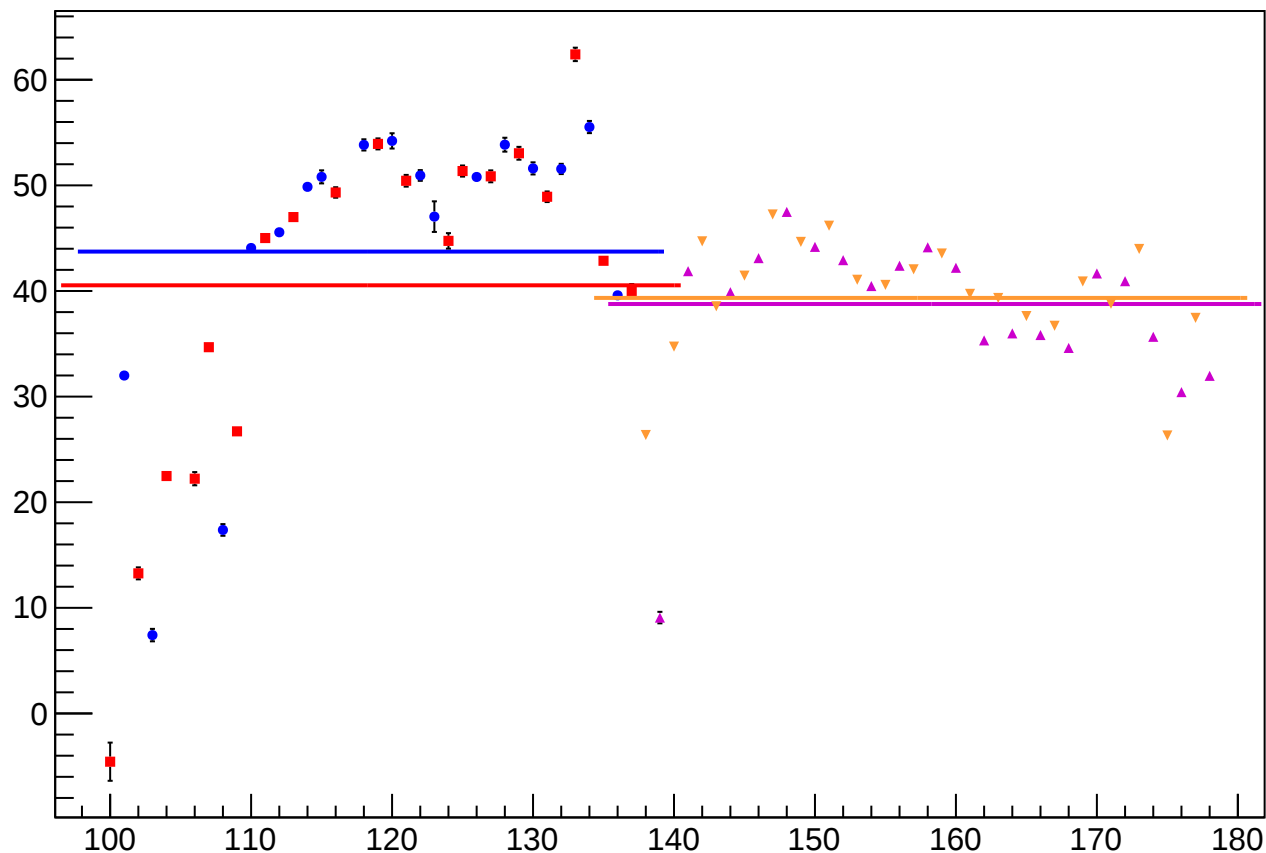
Left In: -29.888 ± 0.061 $\chi^2/\text{NDF}: 26283.6/19$

+ sign -34.479 ± 0.055 $\chi^2/\text{NDF}: 52725.6/37$

All: -34.407 ± 0.038 $\chi^2/\text{NDF}: 112516.7/76$

- sign -34.338 ± 0.053 $\chi^2/\text{NDF}: 59787.7/38$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 $\pm$ 0.087 χ^2/NDF : 10567.7/16

Left Out: 39.344 $\pm$ 0.052 χ^2/NDF : 10450.0/20

Right Out: 40.537 $\pm$ 0.080 χ^2/NDF : 17601.3/18

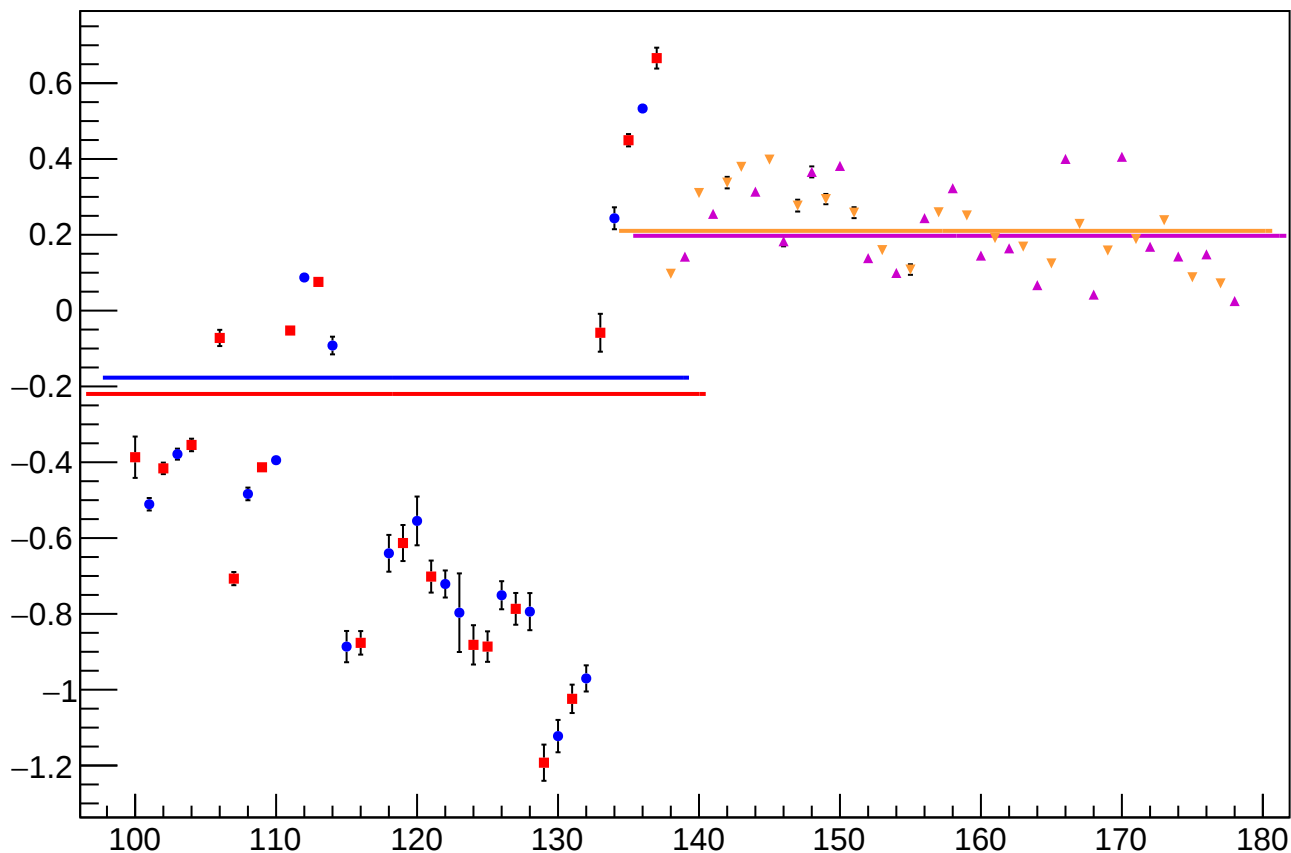
Left In: 38.766 $\pm$ 0.053 χ^2/NDF : 10336.6/19

+ sign 40.497 $\pm$ 0.045 χ^2/NDF : 22898.9/37

All: 39.897 $\pm$ 0.031 χ^2/NDF : 51536.5/76

- sign 39.305 $\pm$ 0.044 χ^2/NDF : 28277.3/38

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.210 ± 0.002 χ^2/NDF : 1494.0/20

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

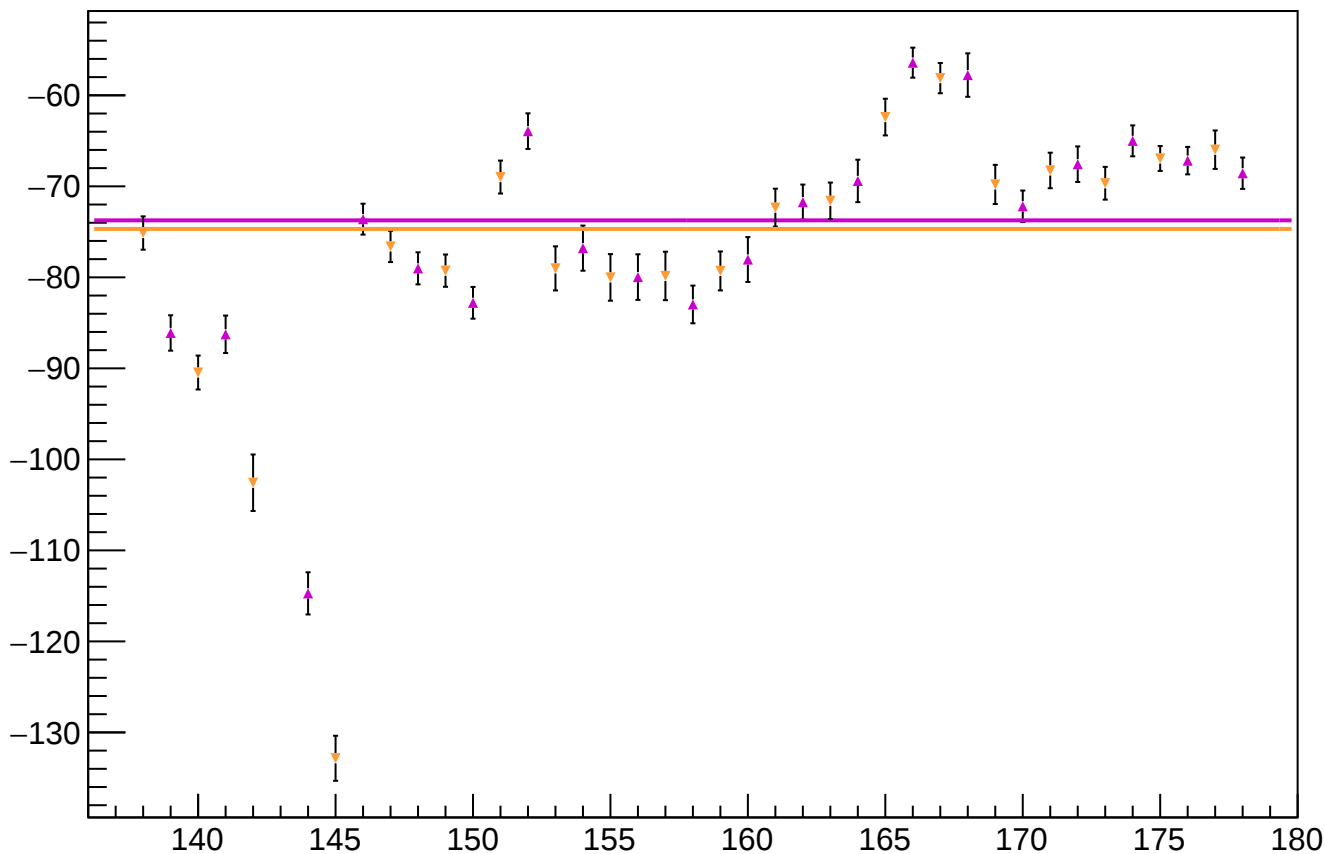
Left In: 0.197 ± 0.002 χ^2/NDF : 2256.8/19

+ sign 0.134 ± 0.002 χ^2/NDF : 13993.0/37

All: 0.115 ± 0.002 χ^2/NDF : 30972.7/76

- sign 0.097 ± 0.002 χ^2/NDF : 16834.7/38

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -74.679+/-0.441 χ^2/NDF : 951.4/19

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

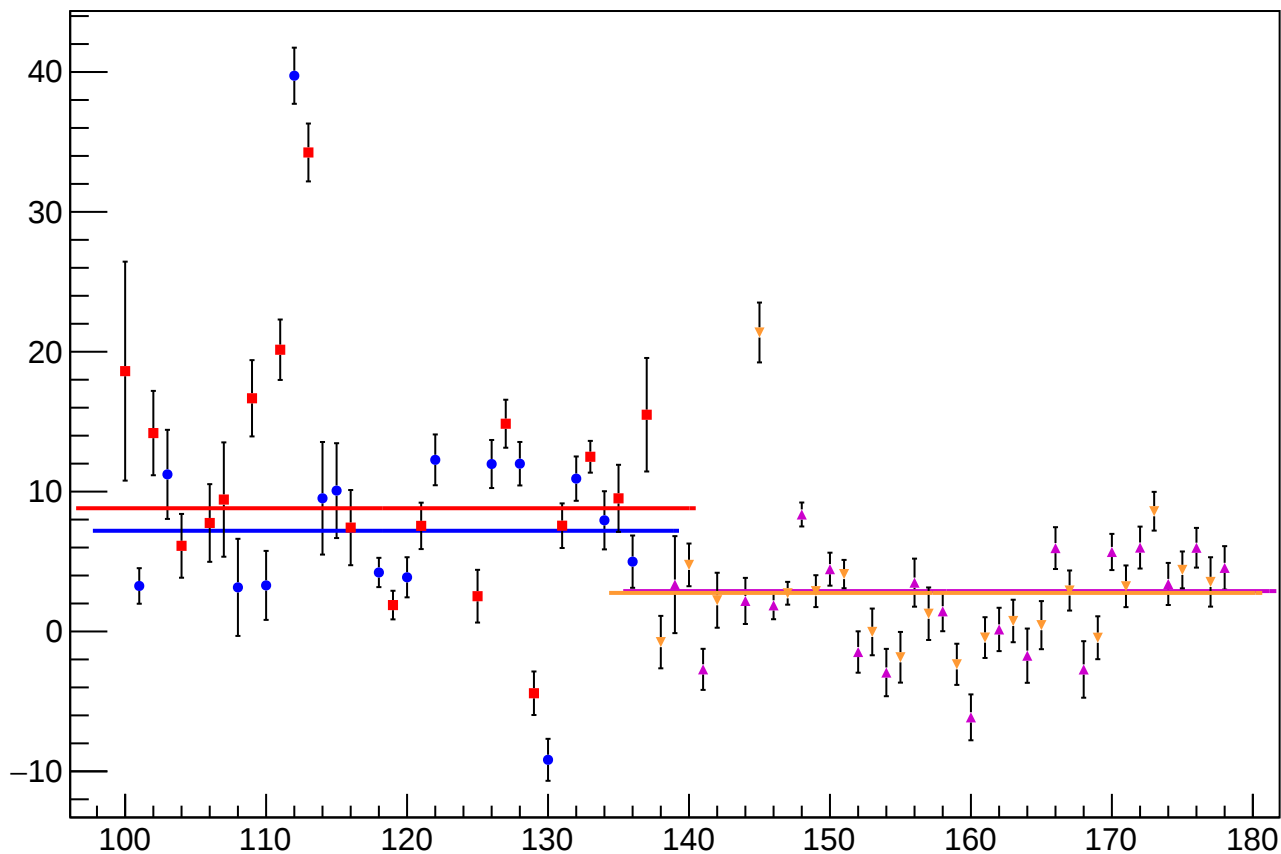
Left In: -73.738+/-0.431 χ^2/NDF : 706.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -74.197+/-0.308 χ^2/NDF : 1660.1/39

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.757 ± 0.318 χ^2/NDF : 137.1/19

Right Out: 8.810 ± 0.448 χ^2/NDF : 349.7/17

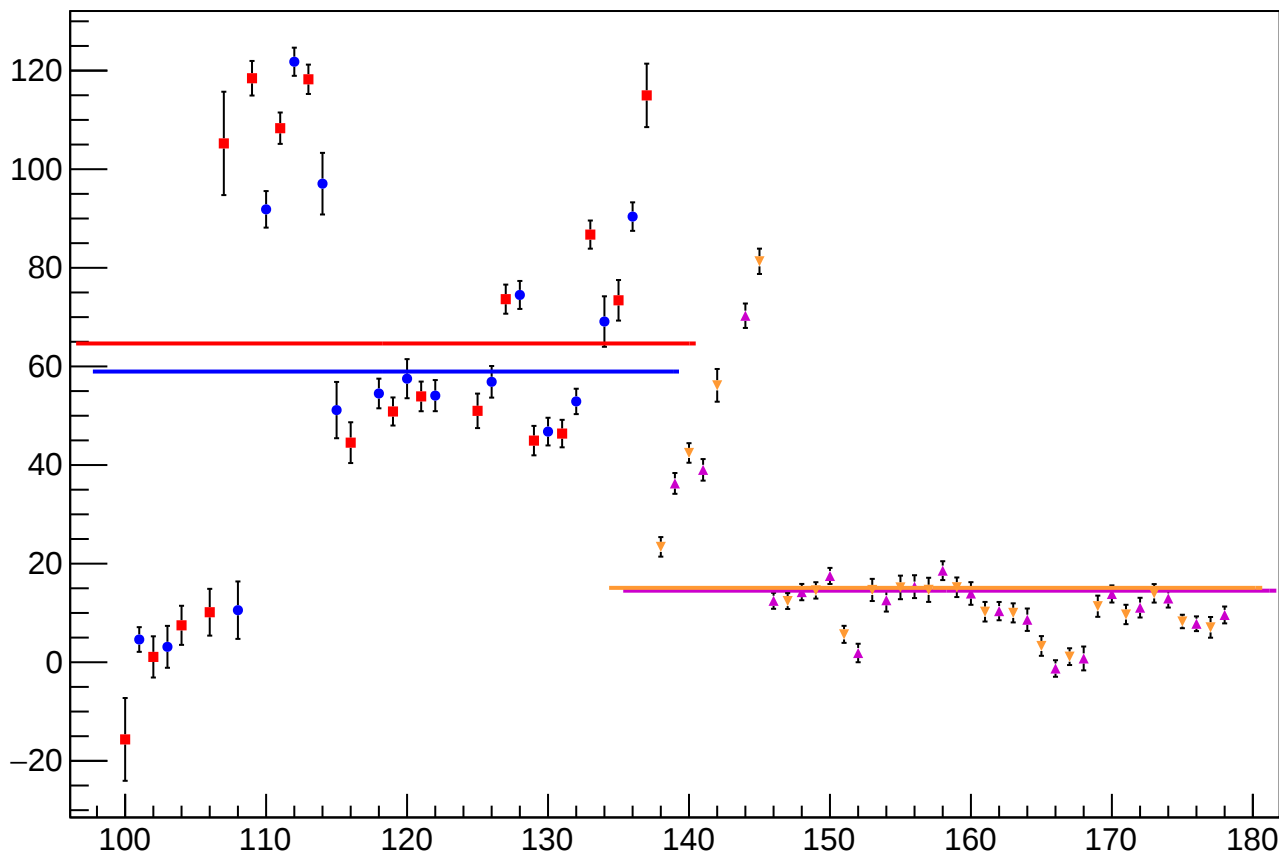
Left In: 2.887 ± 0.320 χ^2/NDF : 146.1/19

+ sign 4.285 ± 0.258 χ^2/NDF : 647.9/35

All: 4.582 ± 0.183 χ^2/NDF : 1262.3/73

- sign 4.885 ± 0.260 χ^2/NDF : 611.8/37

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 ± 0.837 χ^2/NDF : 1496.5/15

Left Out: 15.089 ± 0.436 χ^2/NDF : 1223.3/19

Right Out: 64.655 ± 0.840 χ^2/NDF : 1721.8/17

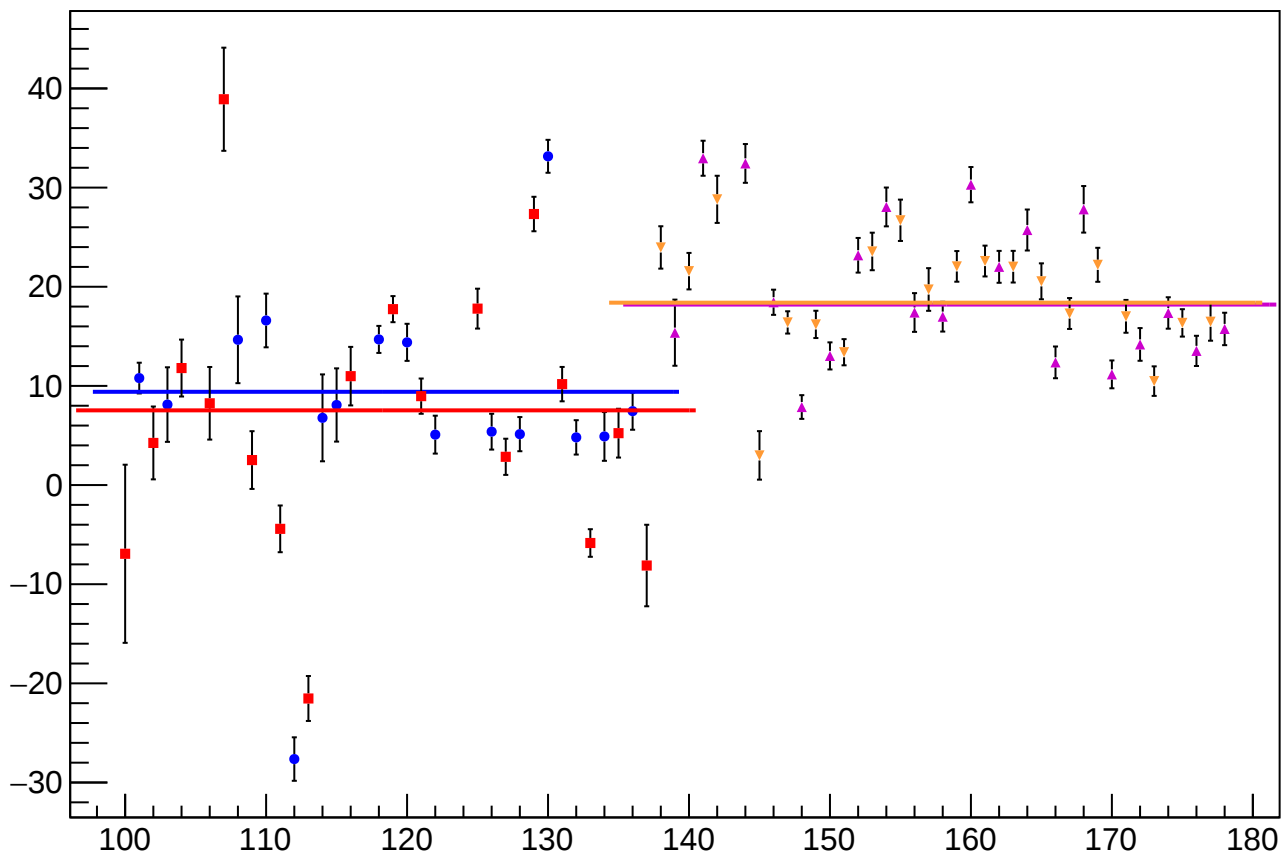
Left In: 14.517 ± 0.426 χ^2/NDF : 958.6/19

+ sign 24.443 ± 0.386 χ^2/NDF : 4881.8/35

All: 24.608 ± 0.271 χ^2/NDF : 10396.7/73

- sign 24.767 ± 0.380 χ^2/NDF : 5514.6/37

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 18.394 ± 0.368 χ^2/NDF : 169.4/19

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

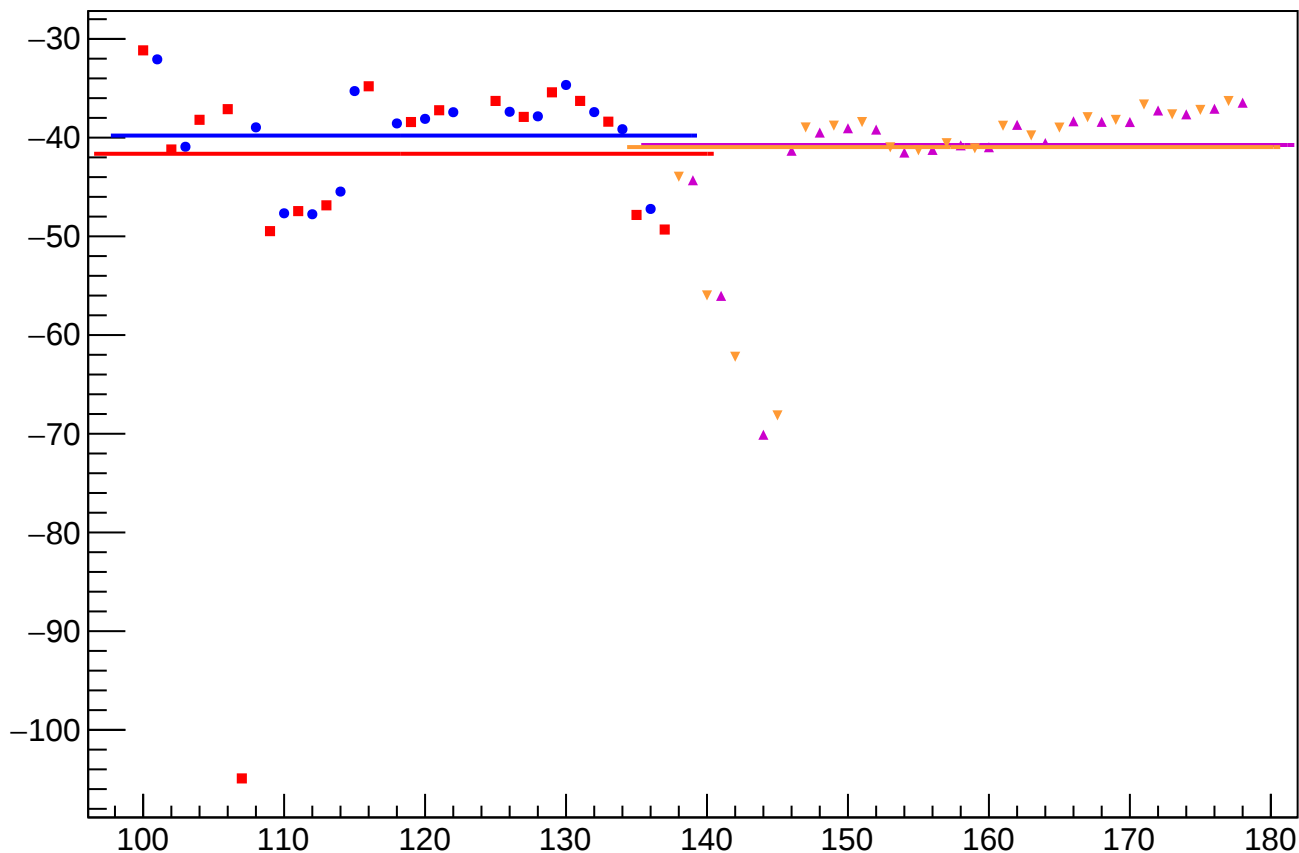
Left In: 18.202 ± 0.367 χ^2/NDF : 384.7/19

+ sign 15.286 ± 0.298 χ^2/NDF : 924.8/35

All: 14.945 ± 0.211 χ^2/NDF : 2166.5/73

- sign 14.601 ± 0.299 χ^2/NDF : 1239.0/37

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -40.958 ± 0.017 χ^2/NDF : 148615.7/19

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

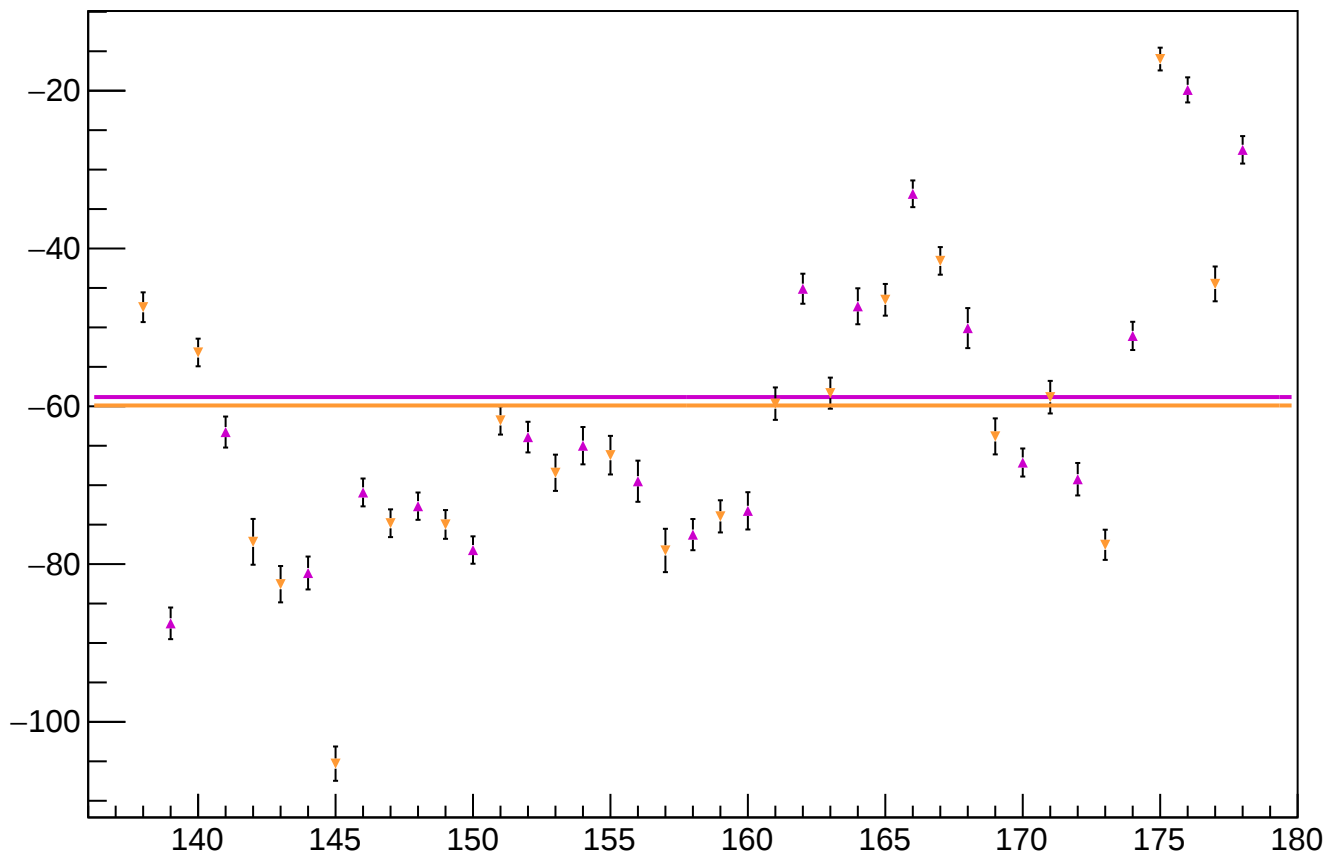
Left In: -40.746 ± 0.017 χ^2/NDF : 120864.3/19

+ sign -40.682 ± 0.015 χ^2/NDF : 175819.8/35

All: -40.818 ± 0.011 χ^2/NDF : 391861.9/73

- sign -40.949 ± 0.015 χ^2/NDF : 215884.0/37

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -59.896+/-0.437 χ^2/NDF : 2098.1/20

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

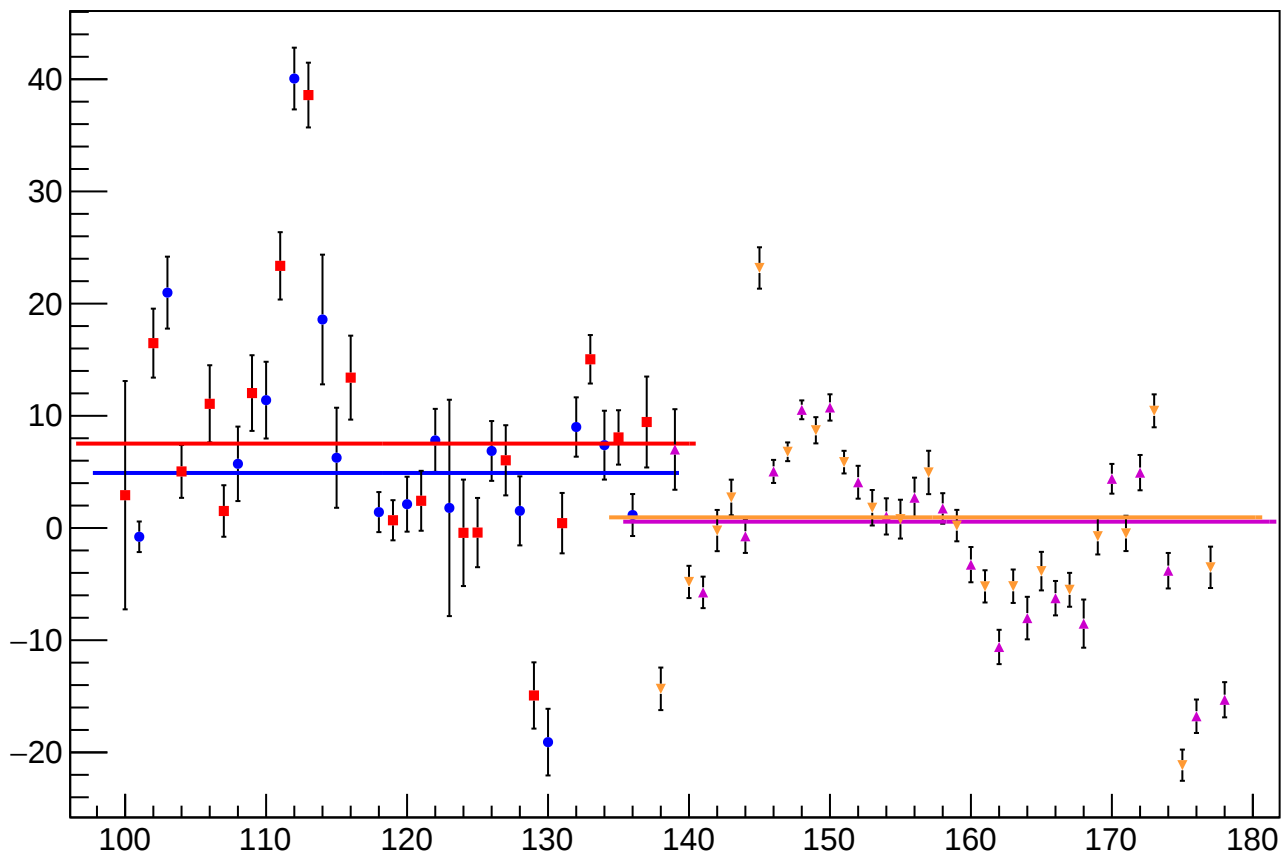
Left In: -58.829+/-0.434 χ^2/NDF : 2014.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -59.359+/-0.308 χ^2/NDF : 4115.8/40

- 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: 0.949 ± 0.313 $\chi^2/\text{NDF}: 713.0/20$

Right Out: 7.523 ± 0.651 $\chi^2/\text{NDF}: 270.6/18$

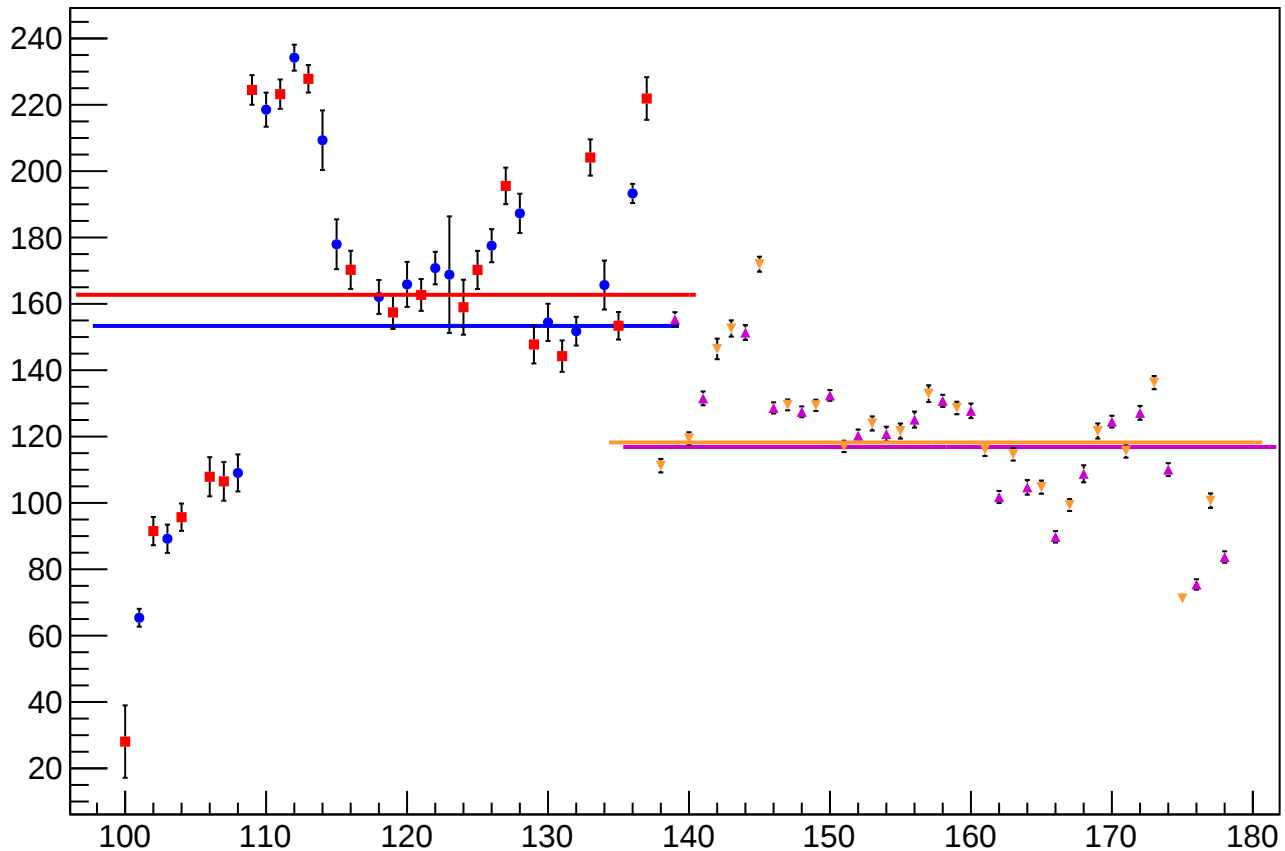
Left In: 0.564 ± 0.319 $\chi^2/\text{NDF}: 646.2/19$

+ sign 1.739 ± 0.280 $\chi^2/\text{NDF}: 1040.3/37$

All: 1.825 ± 0.200 $\chi^2/\text{NDF}: 2049.5/76$

- sign 1.914 ± 0.287 $\chi^2/\text{NDF}: 1009.0/38$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 118.231 $\pm$ 0.432 χ^2 /NDF: 2389.6/20

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

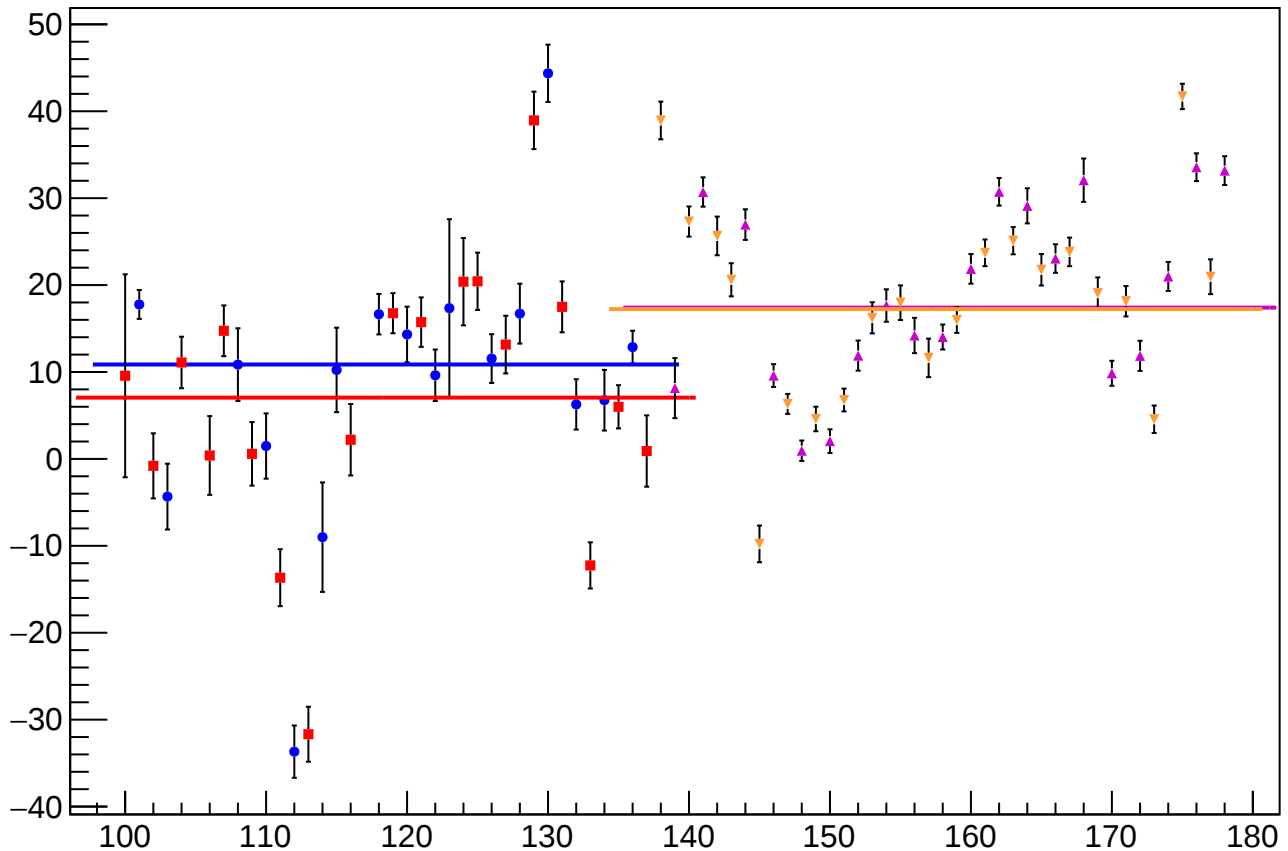
Left In: 116.851 $\pm$ 0.428 χ^2 /NDF: 2356.3/19

+ sign 122.573 $\pm$ 0.404 χ^2 /NDF: 5474.9/37

All: 122.390 $\pm$ 0.285 χ^2 /NDF: 10882.8/76

- sign 122.209 $\pm$ 0.402 χ^2 /NDF: 5407.5/38

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2/NDF : 387.9/16

Left Out: 17.238 $\pm$ 0.363 χ^2/NDF : 972.0/20

Right Out: 7.052 $\pm$ 0.748 χ^2/NDF : 424.7/18

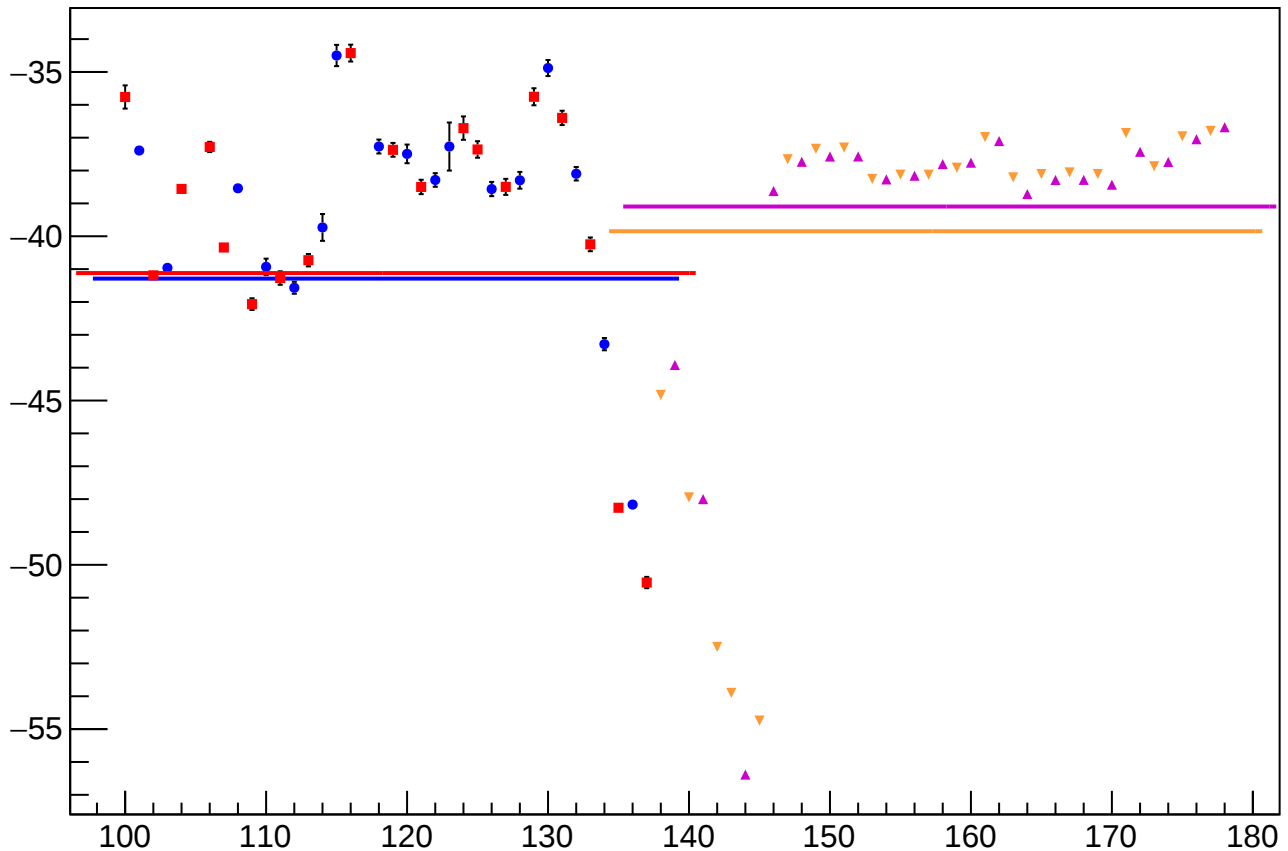
Left In: 17.409 $\pm$ 0.368 χ^2/NDF : 868.7/19

+ sign 15.942 $\pm$ 0.324 χ^2/NDF : 1422.5/37

All: 15.672 $\pm$ 0.231 χ^2/NDF : 2871.8/76

- sign 15.392 $\pm$ 0.330 χ^2/NDF : 1447.9/38

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -39.847 ± 0.017 $\chi^2/\text{NDF}: 85909.8/20$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

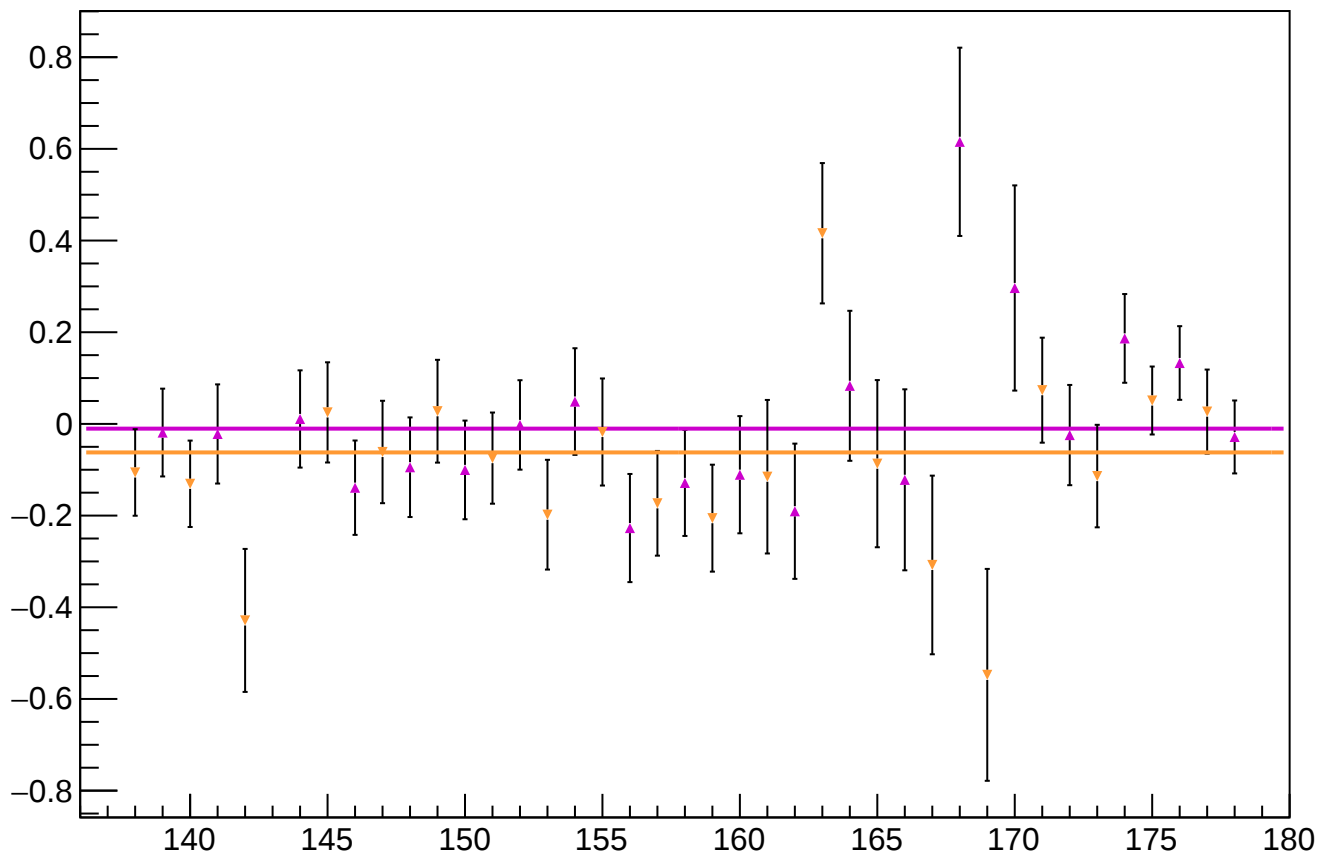
Left In: -39.096 ± 0.017 $\chi^2/\text{NDF}: 52369.9/19$

+ sign -40.087 ± 0.016 $\chi^2/\text{NDF}: 99580.8/37$

All: -39.754 ± 0.011 $\chi^2/\text{NDF}: 167246.0/76$

- sign -39.426 ± 0.016 $\chi^2/\text{NDF}: 66775.4/38$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.062 $\pm$ 0.026 χ^2 /NDF: 32.2/19

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

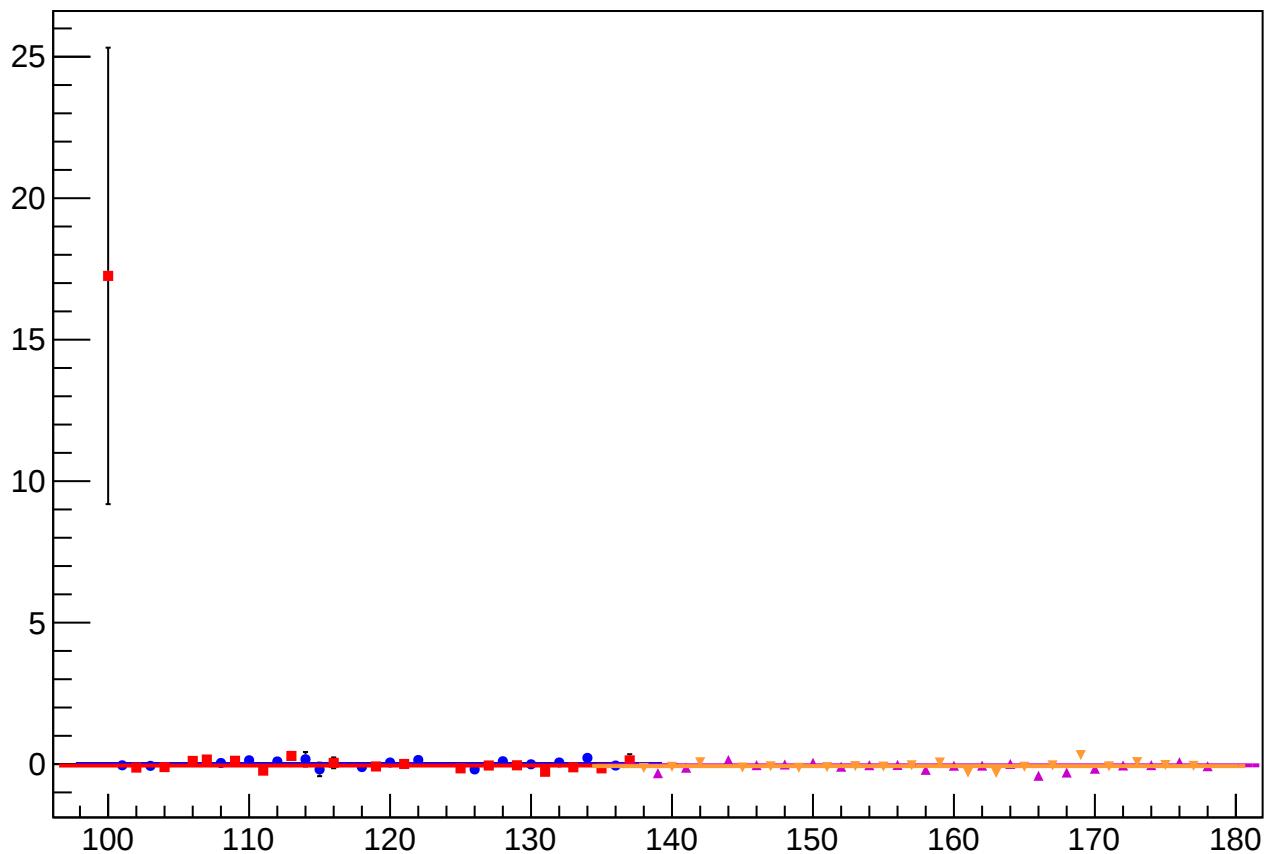
Left In: -0.010 $\pm$ 0.025 χ^2 /NDF: 28.9/19

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

All: -0.036 $\pm$ 0.018 χ^2 /NDF: 63.2/39

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

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.071 ± 0.019 χ^2/NDF : 23.0/19

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.6/17

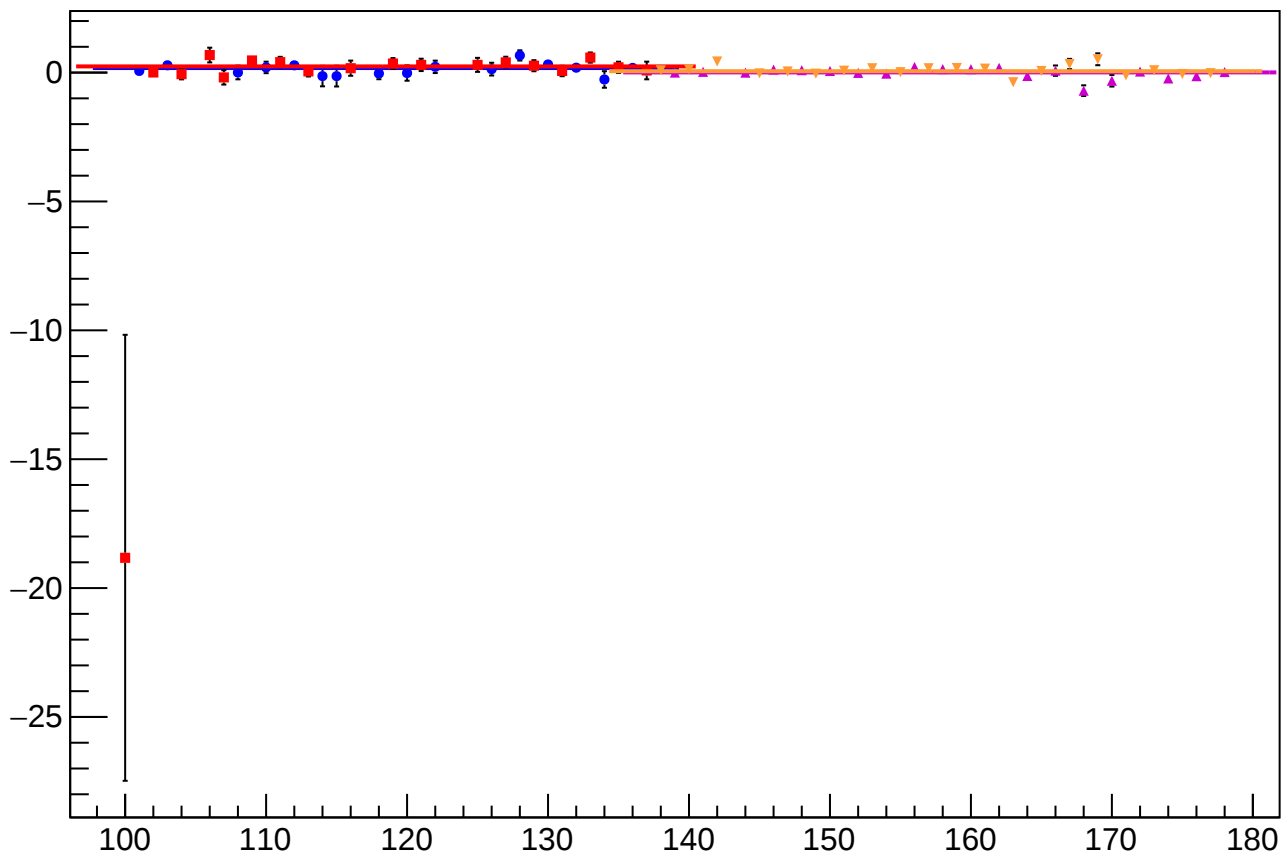
Left In: -0.043 ± 0.019 χ^2/NDF : 25.5/19

+ sign -0.048 ± 0.016 χ^2/NDF : 40.2/35

All: -0.047 ± 0.011 χ^2/NDF : 91.3/73

- sign -0.045 ± 0.016 χ^2/NDF : 51.1/37

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.053 $\pm$ 0.025 χ^2 /NDF:30.5/19

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

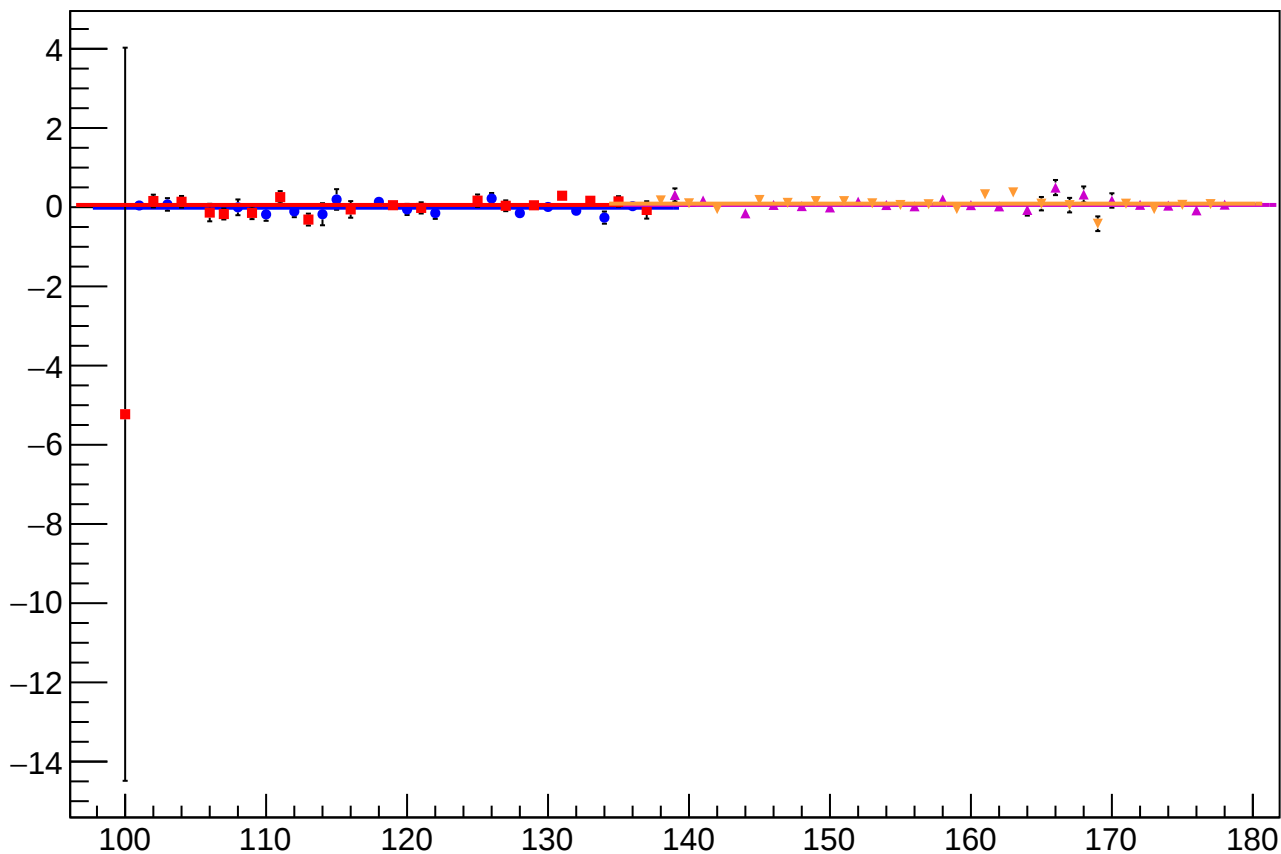
Left In: 0.007 $\pm$ 0.025 χ^2 /NDF:33.5/19

+ sign 0.076 $\pm$ 0.023 χ^2 /NDF: 47.9/35

All: 0.062 $\pm$ 0.016 χ^2 /NDF: 119.2/73

- sign 0.047 $\pm$ 0.022 χ^2 /NDF: 70.5/37

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.090 ± 0.022 χ^2/NDF : 25.4/19

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

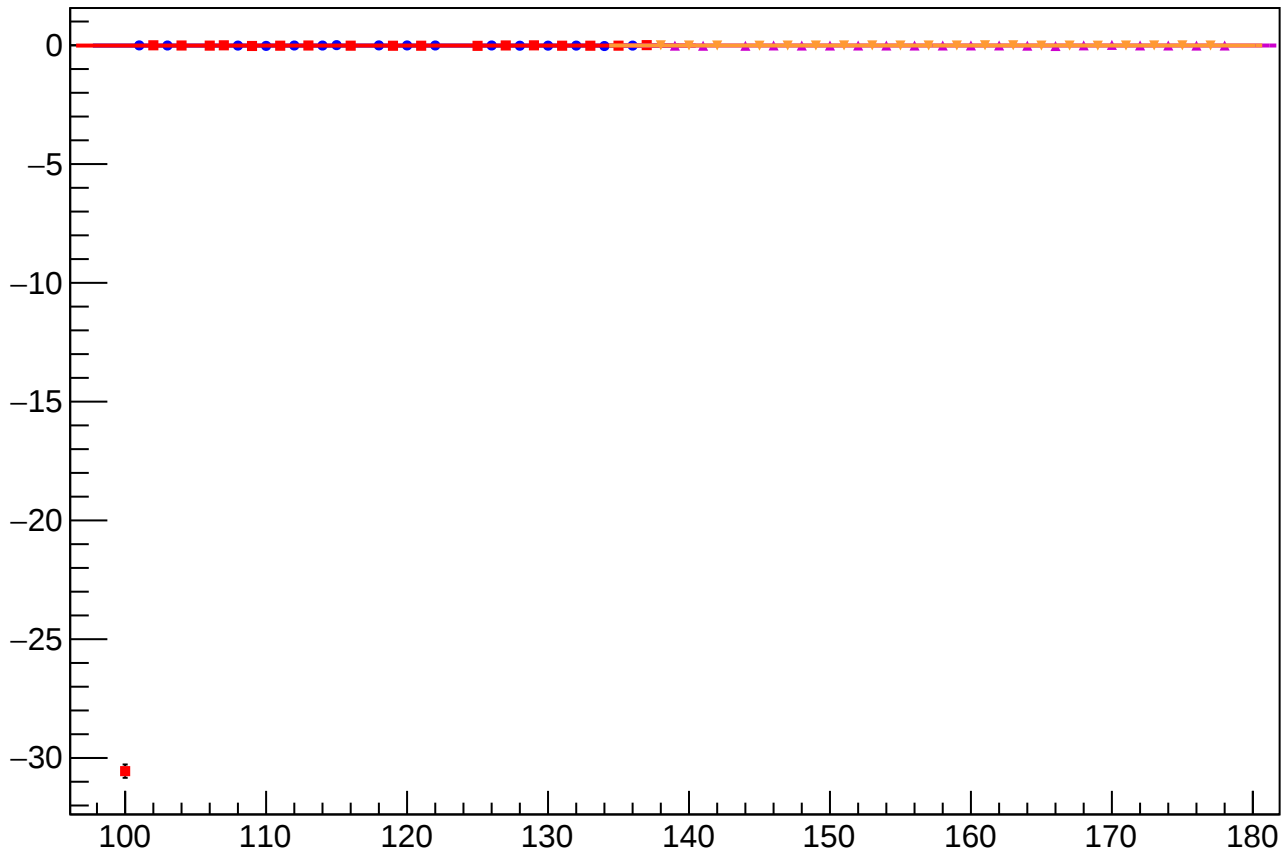
Left In: 0.057 ± 0.022 χ^2/NDF : 24.8/19

+ sign 0.058 ± 0.018 χ^2/NDF : 45.8/35

All: 0.058 ± 0.013 χ^2/NDF : 91.0/73

- sign 0.057 ± 0.018 χ^2/NDF : 45.2/37

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 15.5/19

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.4/17

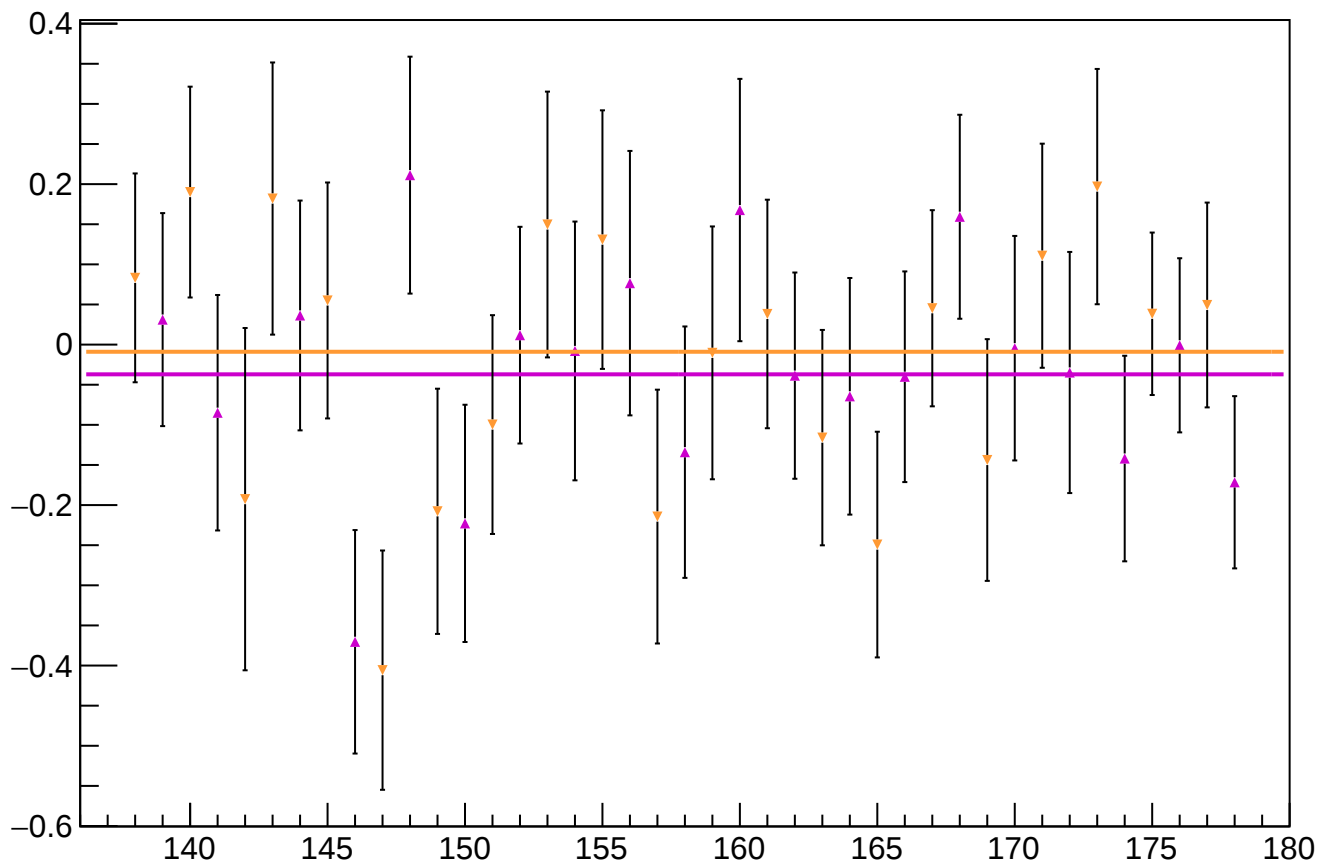
Left In: -0.010 ± 0.001 χ^2/NDF : 30.8/19

+ sign -0.009 ± 0.001 χ^2/NDF : 31.4/35

All: -0.010 ± 0.001 χ^2/NDF : 11955.8/73

- sign -0.010 ± 0.001 χ^2/NDF : 11923.5/37

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.009 $\pm$ 0.031 χ^2 /NDF: 25.4/20

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

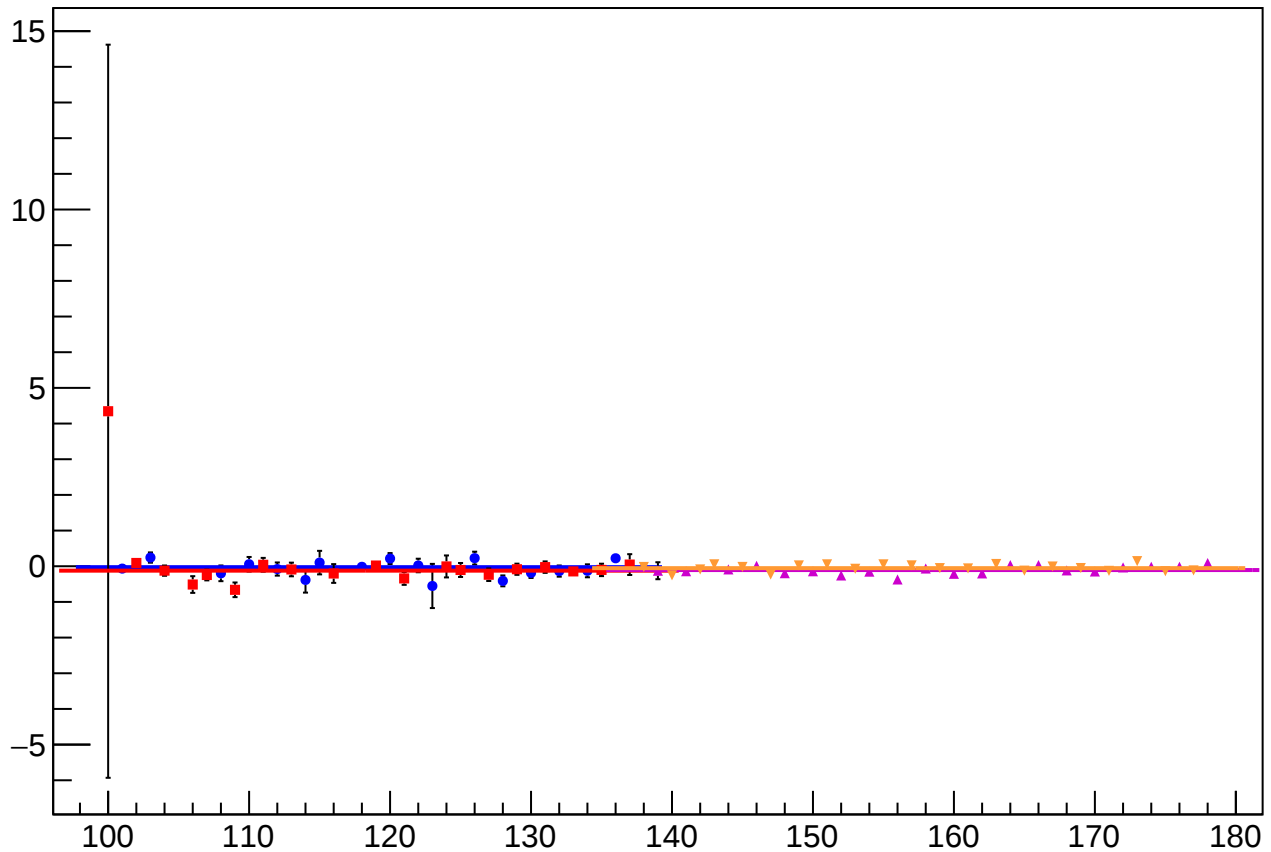
Left In: -0.037 $\pm$ 0.031 χ^2 /NDF: 18.2/19

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

All: -0.023 $\pm$ 0.022 χ^2 /NDF: 44.0/40

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

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.054 ± 0.023 χ^2/NDF : 21.2/20

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

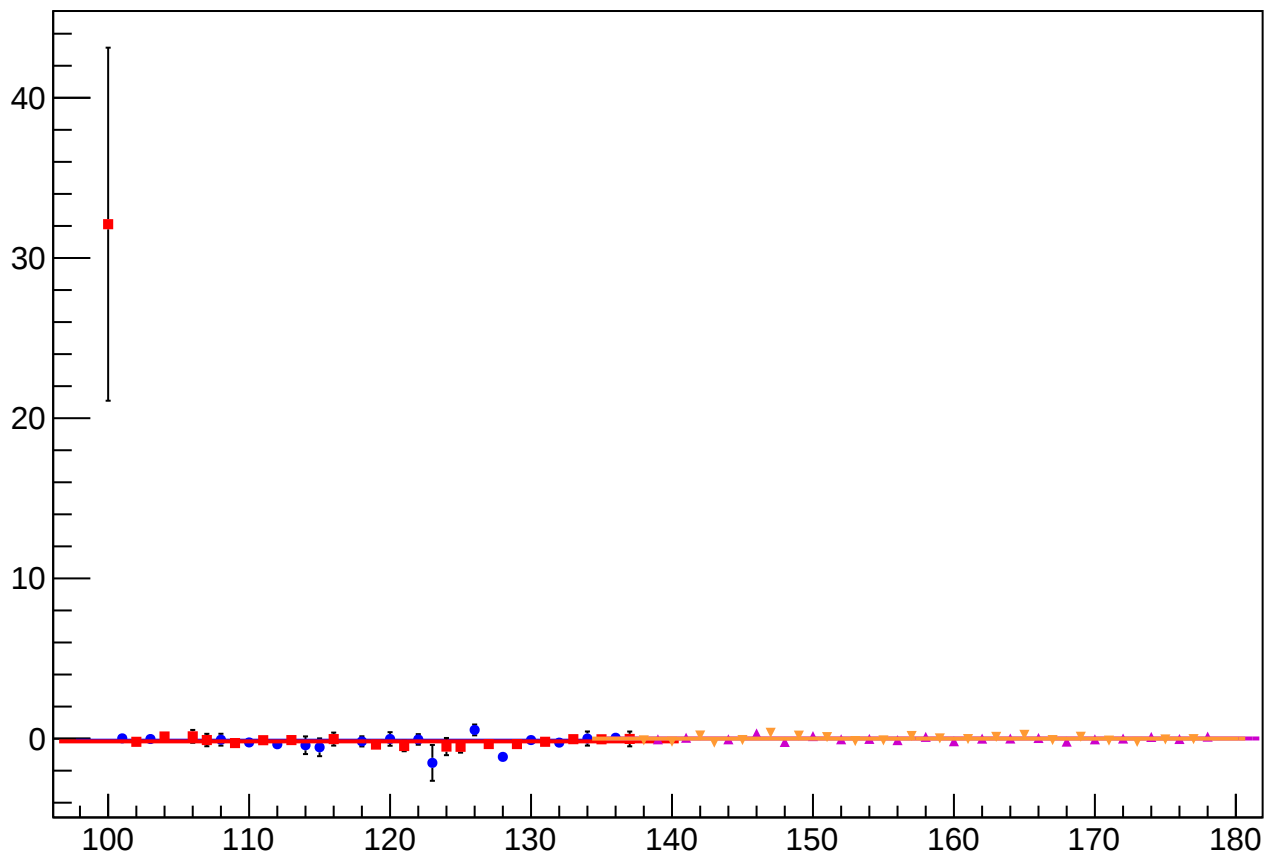
Left In: -0.107 ± 0.023 χ^2/NDF : 22.2/19

+ sign -0.046 ± 0.019 χ^2/NDF : 44.3/37

All: -0.077 ± 0.014 χ^2/NDF : 90.4/76

- sign -0.111 ± 0.020 χ^2/NDF : 40.7/38

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.001 ± 0.031 χ^2/NDF : 24.9/20

Right Out: -0.172 ± 0.071 χ^2/NDF : 14.9/18

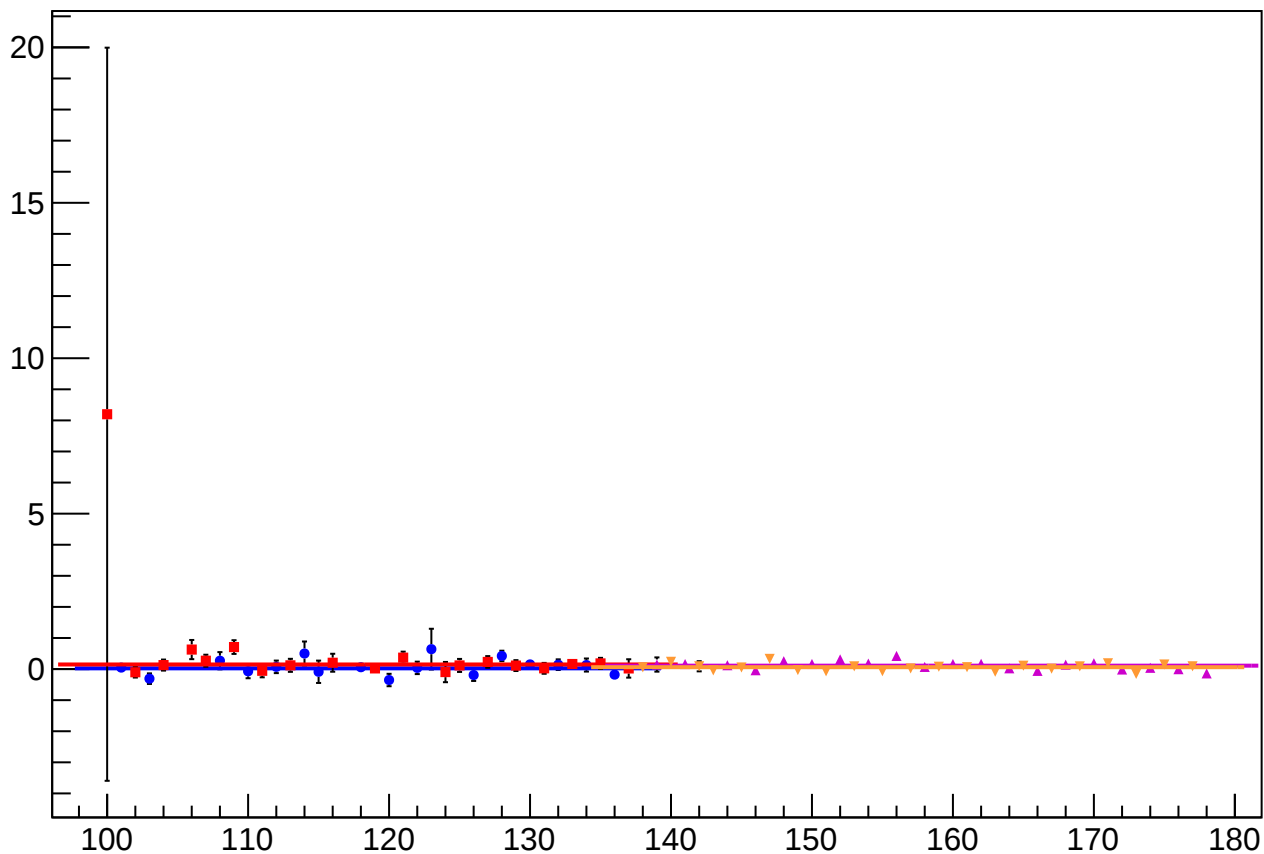
Left In: 0.008 ± 0.030 χ^2/NDF : 16.1/19

+ sign -0.022 ± 0.028 χ^2/NDF : 51.1/37

All: -0.021 ± 0.020 χ^2/NDF : 87.6/76

- sign -0.020 ± 0.028 χ^2/NDF : 36.5/38

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.061 ± 0.026 χ^2/NDF : 20.6/20

Right Out: 0.148 ± 0.045 χ^2/NDF : 16.6/18

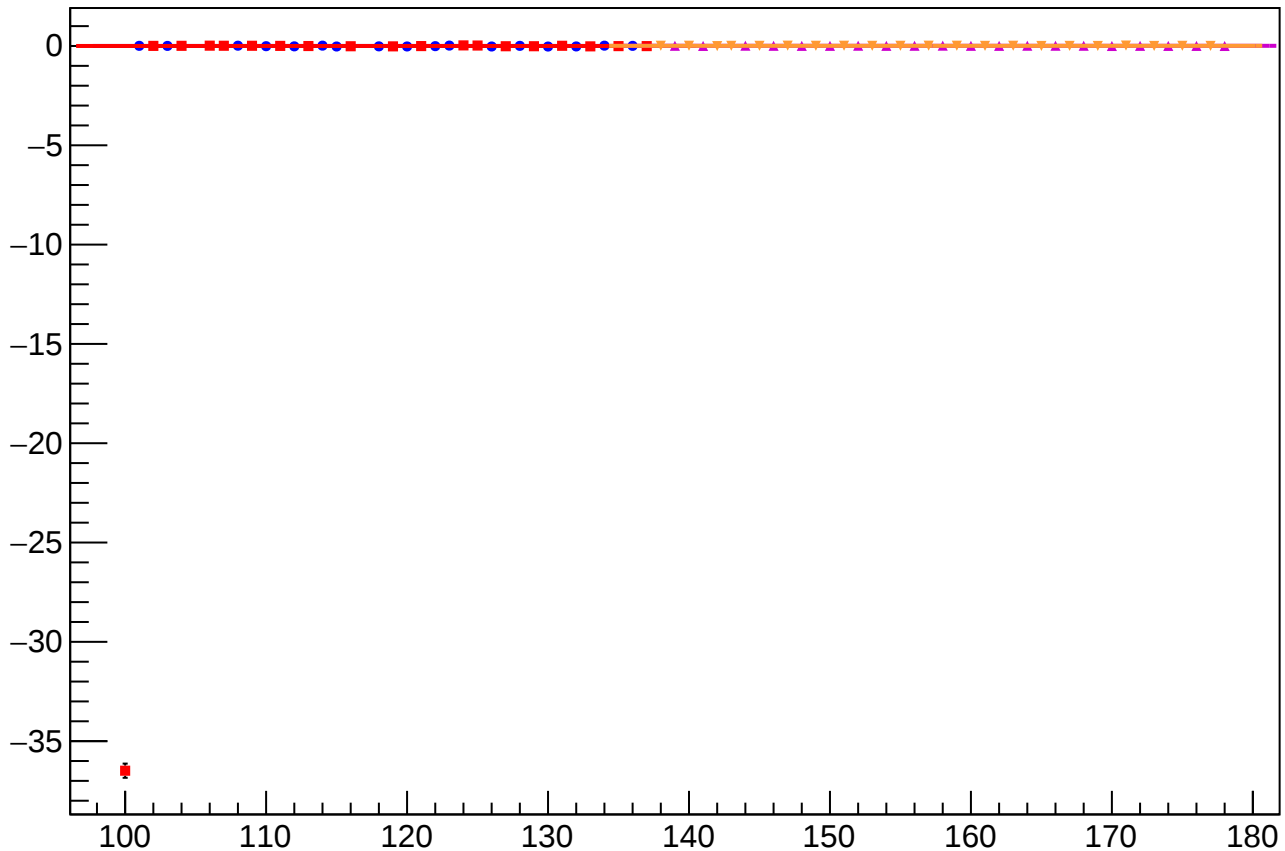
Left In: 0.110 ± 0.027 χ^2/NDF : 24.9/19

+ sign 0.050 ± 0.022 χ^2/NDF : 42.4/37

All: 0.084 ± 0.016 χ^2/NDF : 89.1/76

- sign 0.120 ± 0.023 χ^2/NDF : 42.0/38

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.009 $\pm$ 0.001 χ^2 /NDF:19.8/20

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

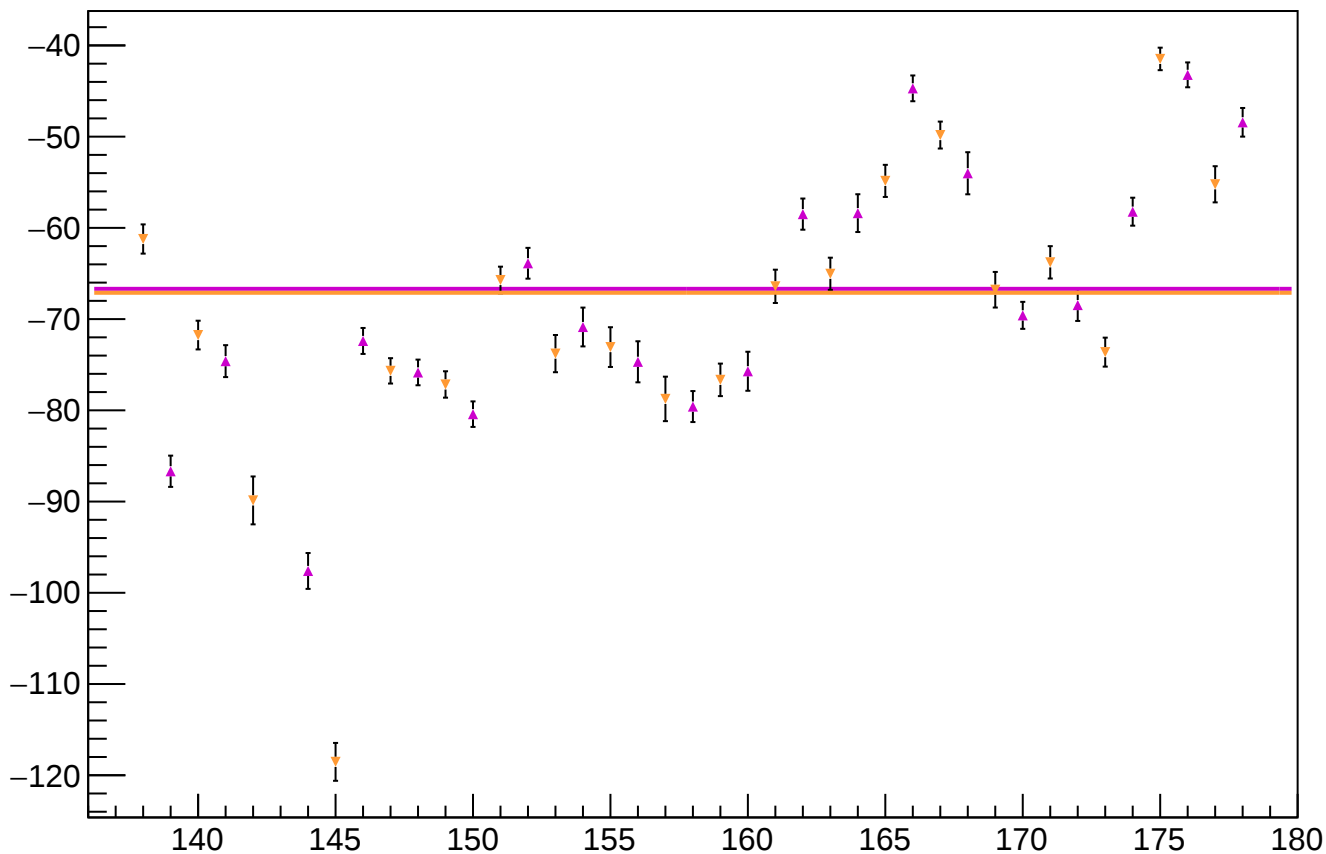
Left In: 0.009 $\pm$ 0.001 χ^2 /NDF:14.4/19

+ sign 0.007 $\pm$ 0.001 χ^2 /NDF: 59.6/37

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10533.2/76

- sign 0.007 $\pm$ 0.001 χ^2 /NDF: 10473.6/38

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -67.114+/-0.382 χ^2/NDF :1543.3/19

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

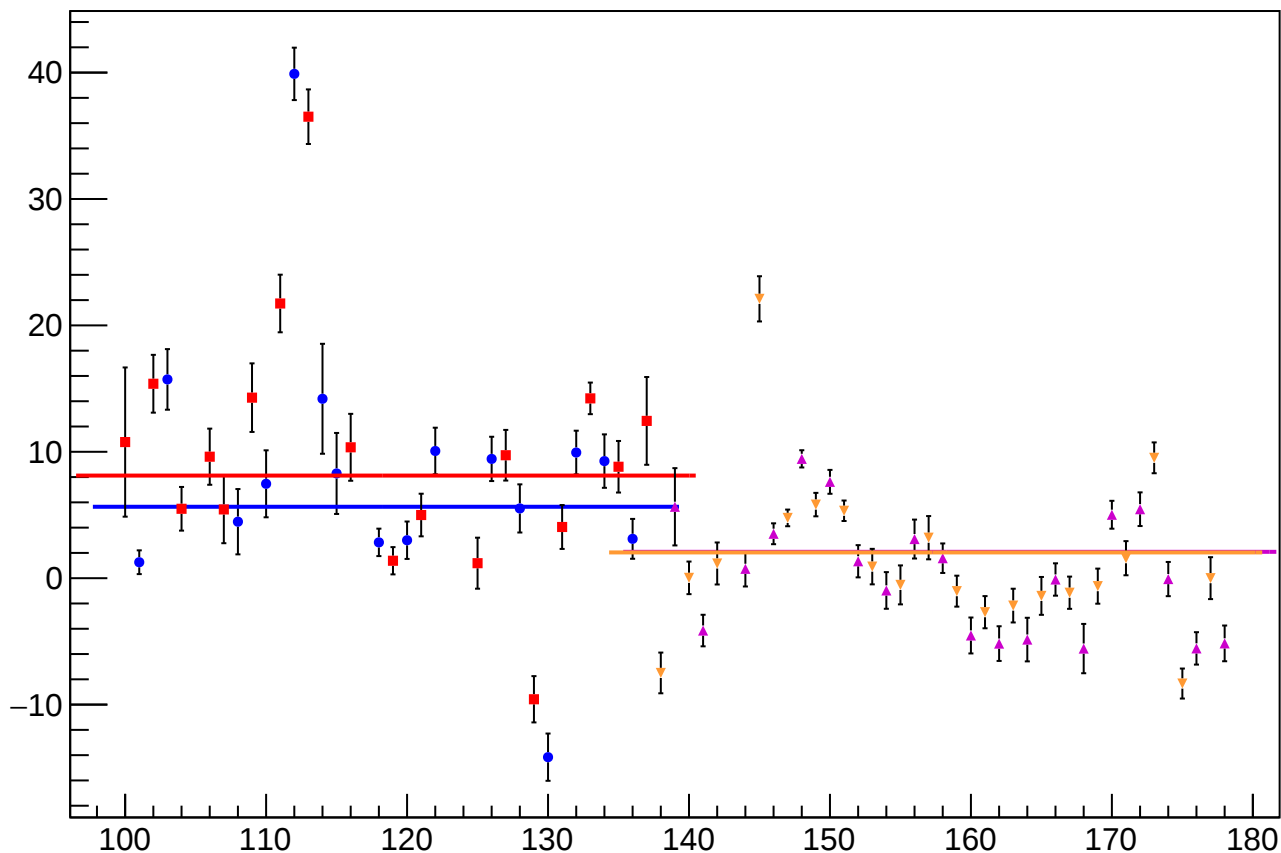
Left In: -66.682+/-0.373 χ^2/NDF :1431.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -66.893+/-0.267 χ^2/NDF : 2975.7/39

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 2.039 ± 0.271 χ^2/NDF : 378.6/19

Right Out: 8.119 ± 0.453 χ^2/NDF : 407.9/17

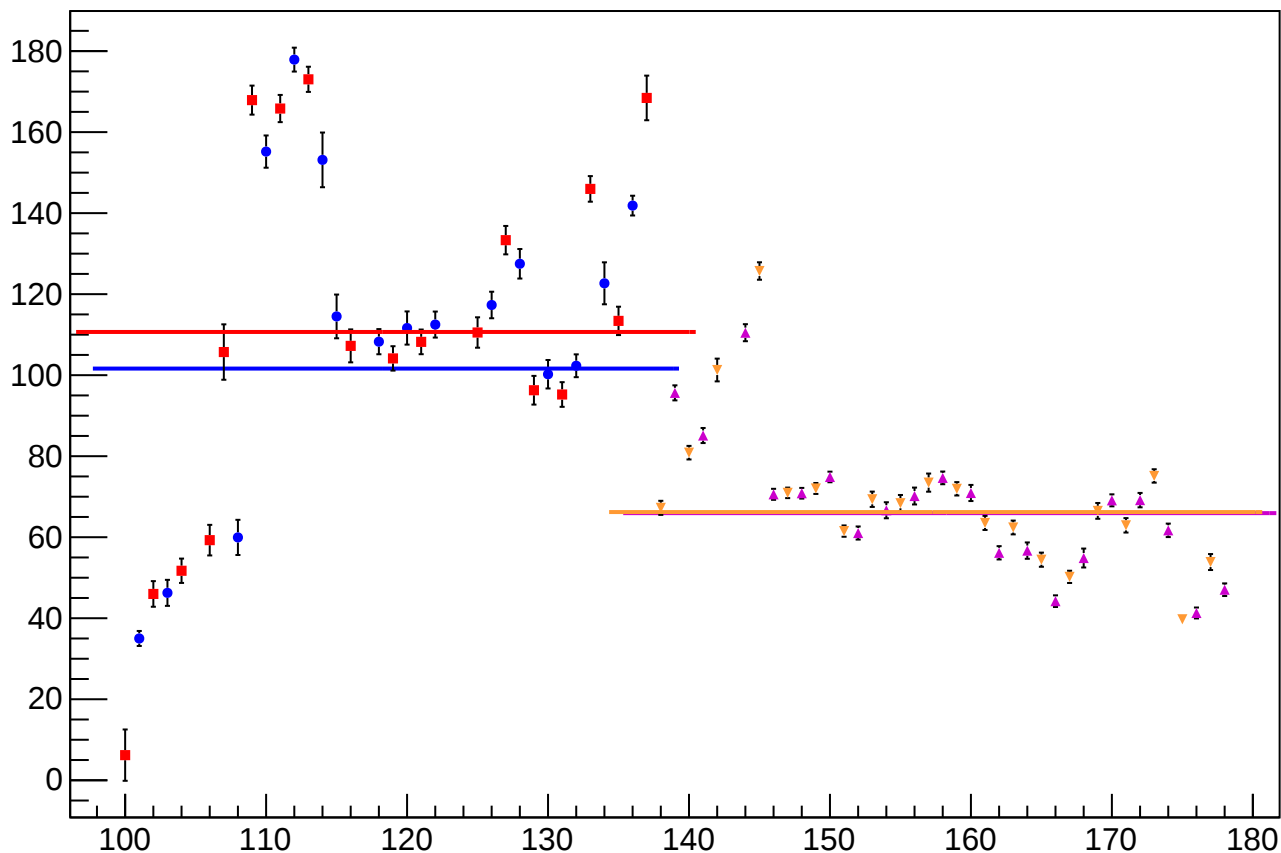
Left In: 2.086 ± 0.272 χ^2/NDF : 348.2/19

+ sign 3.068 ± 0.229 χ^2/NDF : 891.2/35

All: 3.372 ± 0.163 χ^2/NDF : 1781.5/73

- sign 3.687 ± 0.233 χ^2/NDF : 886.7/37

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2/NDF : 2980.2/15

Left Out: 66.211 $\pm$ 0.376 χ^2/NDF : 1763.5/19

Right Out: 110.669 $\pm$ 0.836 χ^2/NDF : 2514.0/17

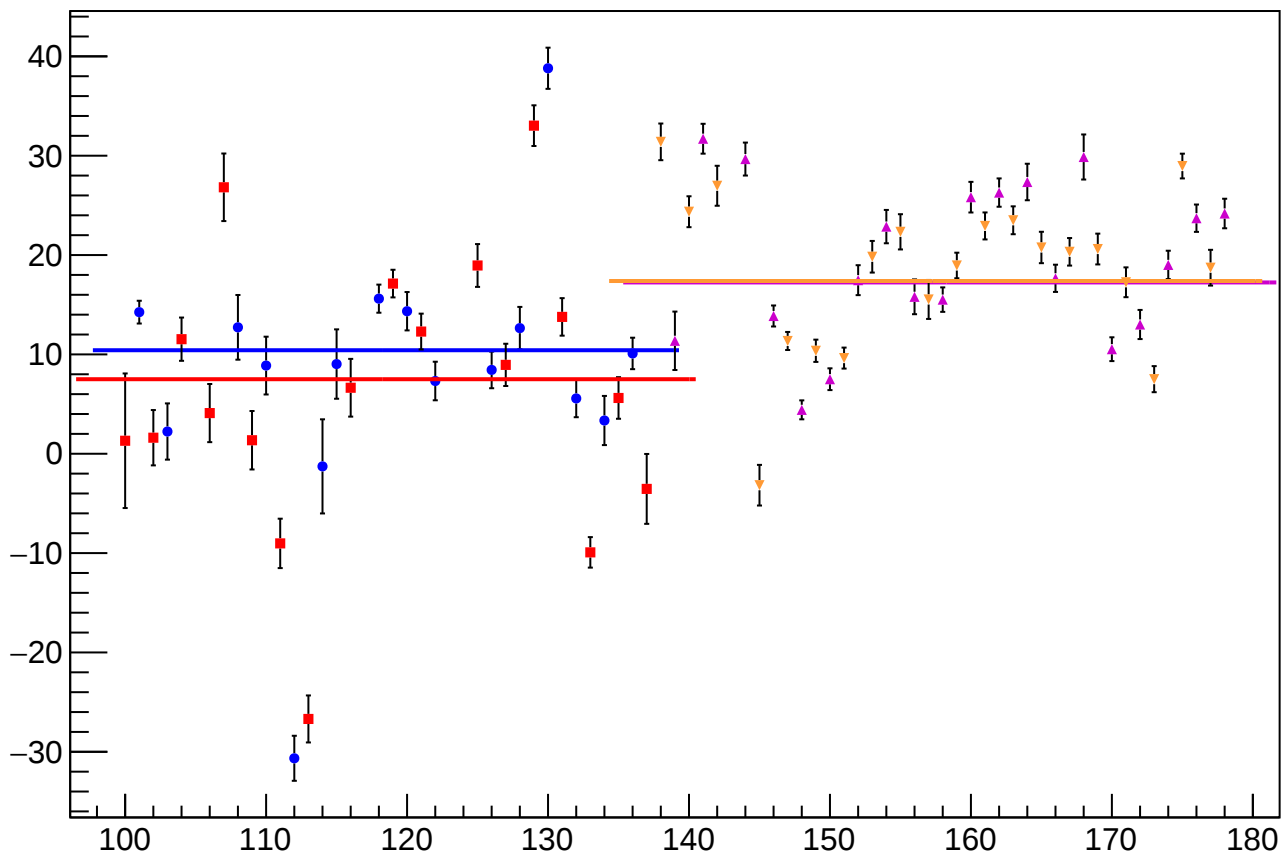
Left In: 65.945 $\pm$ 0.367 χ^2/NDF : 1735.6/19

+ sign 72.470 $\pm$ 0.341 χ^2/NDF : 6309.9/35

All: 72.831 $\pm$ 0.240 χ^2/NDF : 12960.0/73

- sign 73.183 $\pm$ 0.336 χ^2/NDF : 6647.9/37

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 17.387 $\pm$ 0.316 χ^2 /NDF: 543.8/19

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

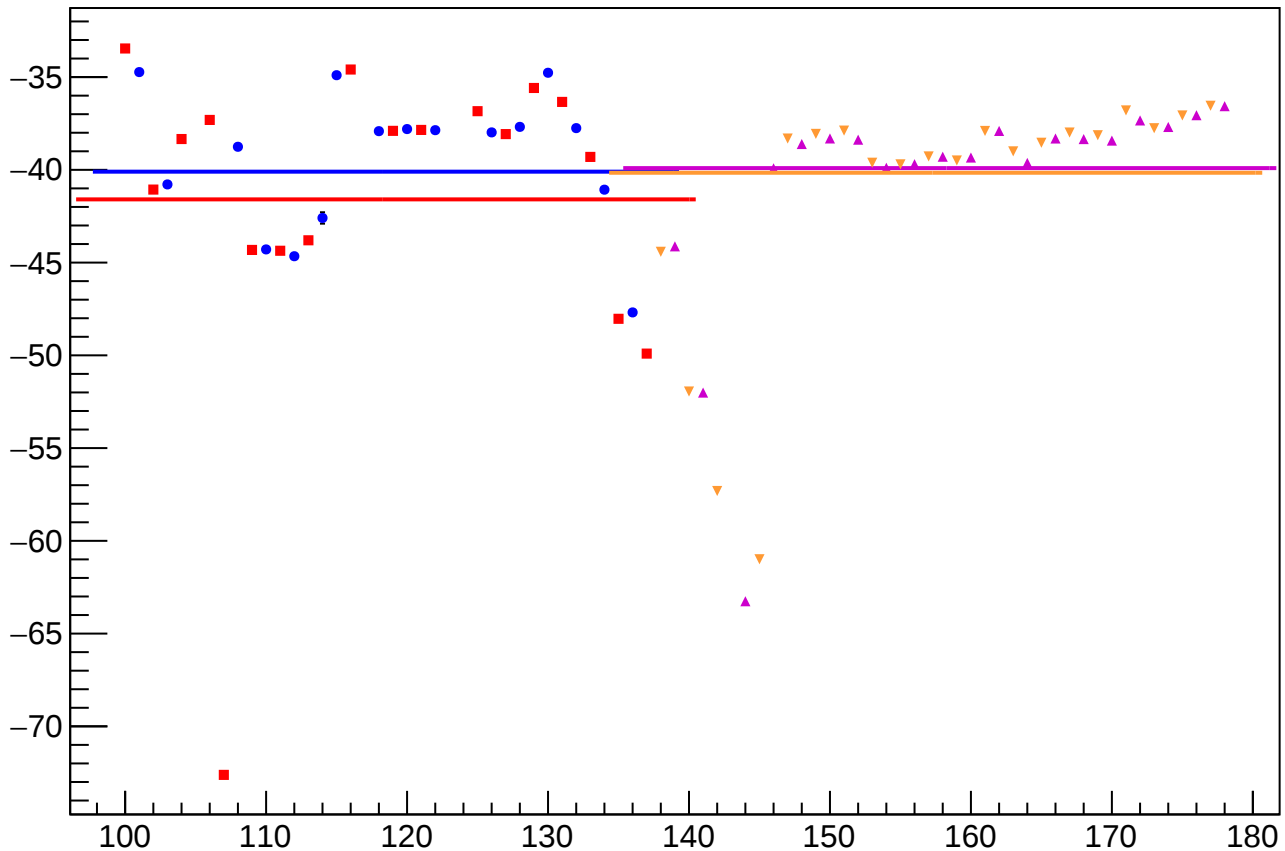
Left In: 17.242 $\pm$ 0.315 χ^2 /NDF: 654.5/19

+ sign 15.387 $\pm$ 0.266 χ^2 /NDF: 1263.4/35

All: 15.025 $\pm$ 0.190 χ^2 /NDF: 2865.5/73

- sign 14.655 $\pm$ 0.270 χ^2 /NDF: 1598.4/37

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -40.156 ± 0.015 χ^2/NDF : 129678.6/19

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

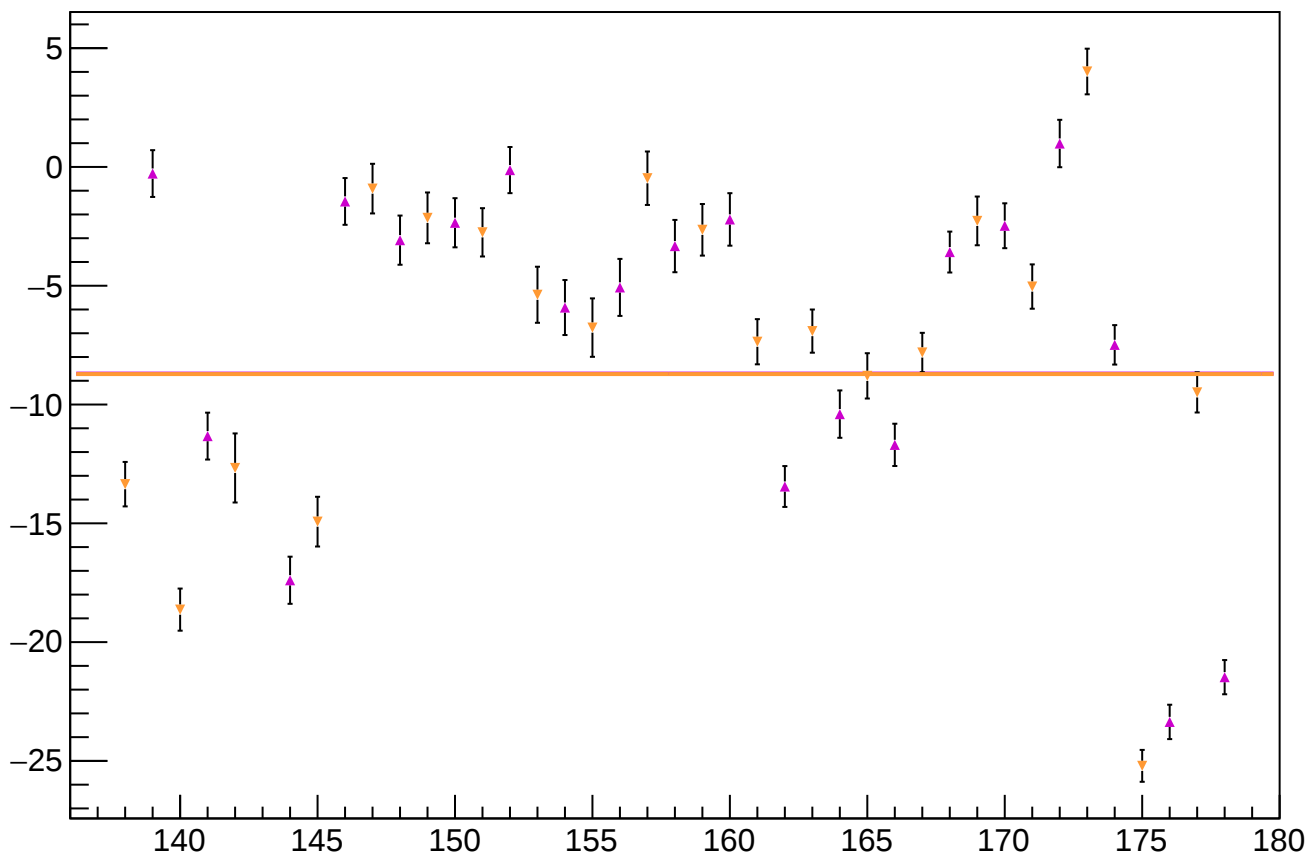
Left In: -39.907 ± 0.015 χ^2/NDF : 106160.4/19

+ sign -40.144 ± 0.013 χ^2/NDF : 154755.3/35

All: -40.202 ± 0.009 χ^2/NDF : 325380.8/73

- sign -40.258 ± 0.013 χ^2/NDF : 170587.8/37

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -8.718+/-0.217 χ^2/NDF : 1258.2/19

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

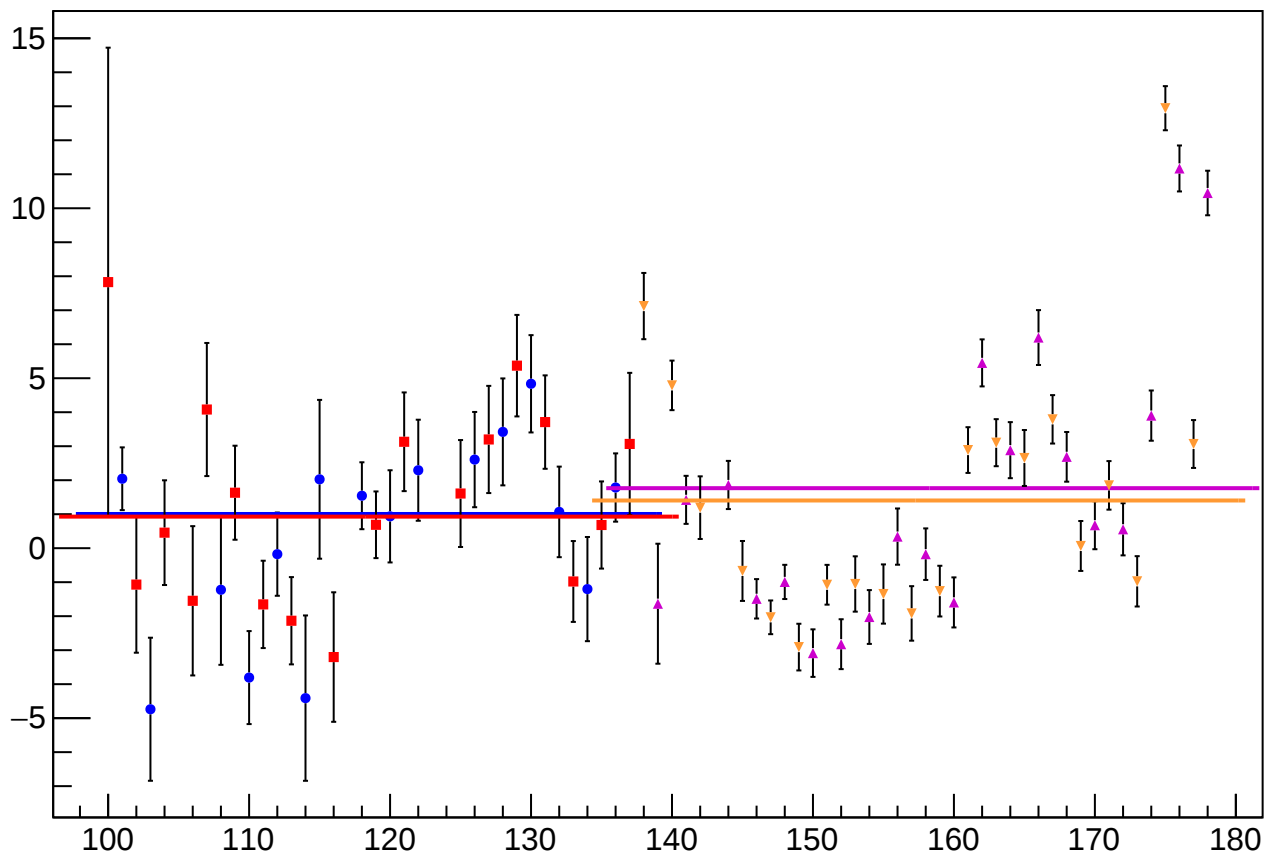
Left In: -8.698+/-0.211 χ^2/NDF : 1375.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -8.708+/-0.151 χ^2/NDF : 2633.2/39

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 1.403 ± 0.161 $\chi^2/\text{NDF}: 576.3/19$

Right Out: 0.929 ± 0.353 $\chi^2/\text{NDF}: 41.9/17$

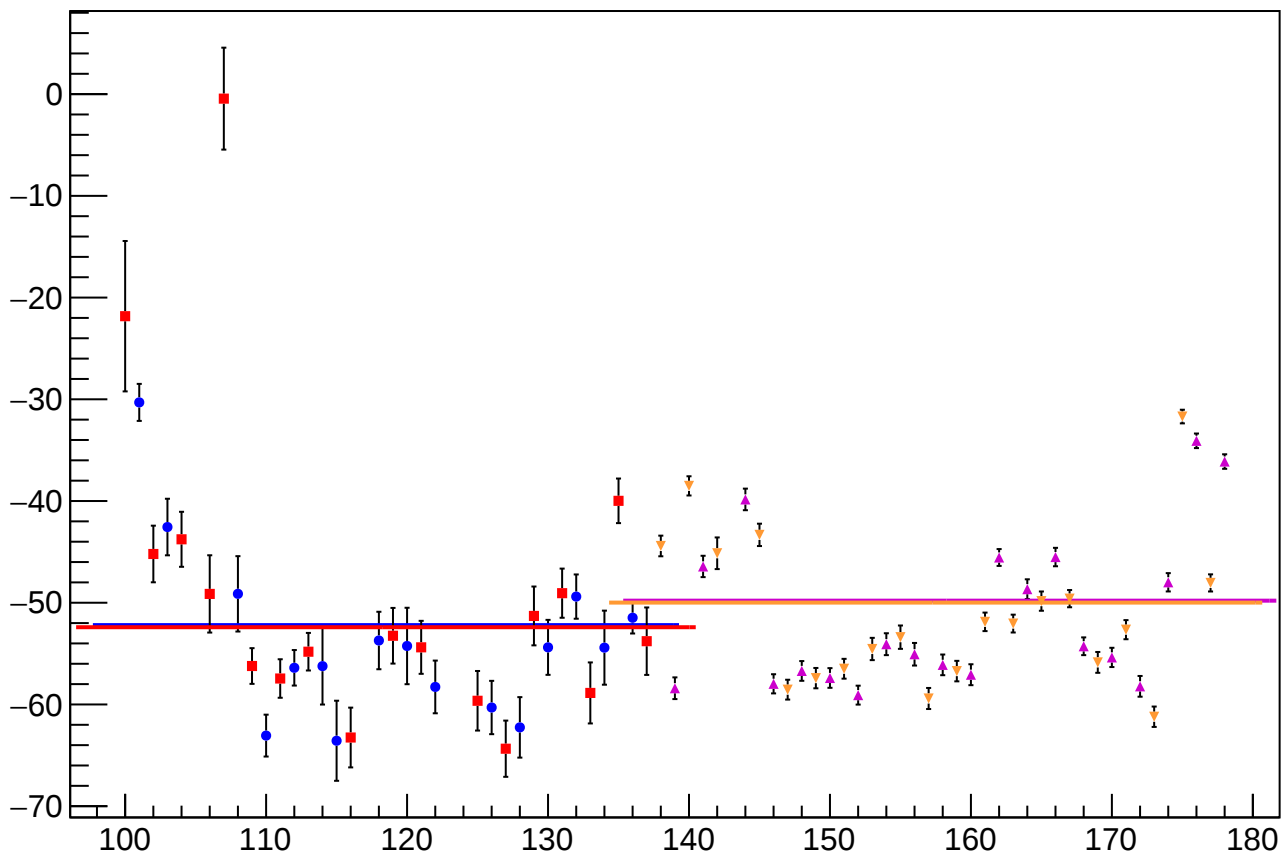
Left In: 1.766 ± 0.161 $\chi^2/\text{NDF}: 650.4/19$

+ sign 1.331 ± 0.146 $\chi^2/\text{NDF}: 620.2/35$

All: 1.476 ± 0.103 $\chi^2/\text{NDF}: 1319.1/73$

- sign 1.622 ± 0.146 $\chi^2/\text{NDF}: 696.9/37$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -49.985 ± 0.215 χ^2/NDF : 1480.3/19

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

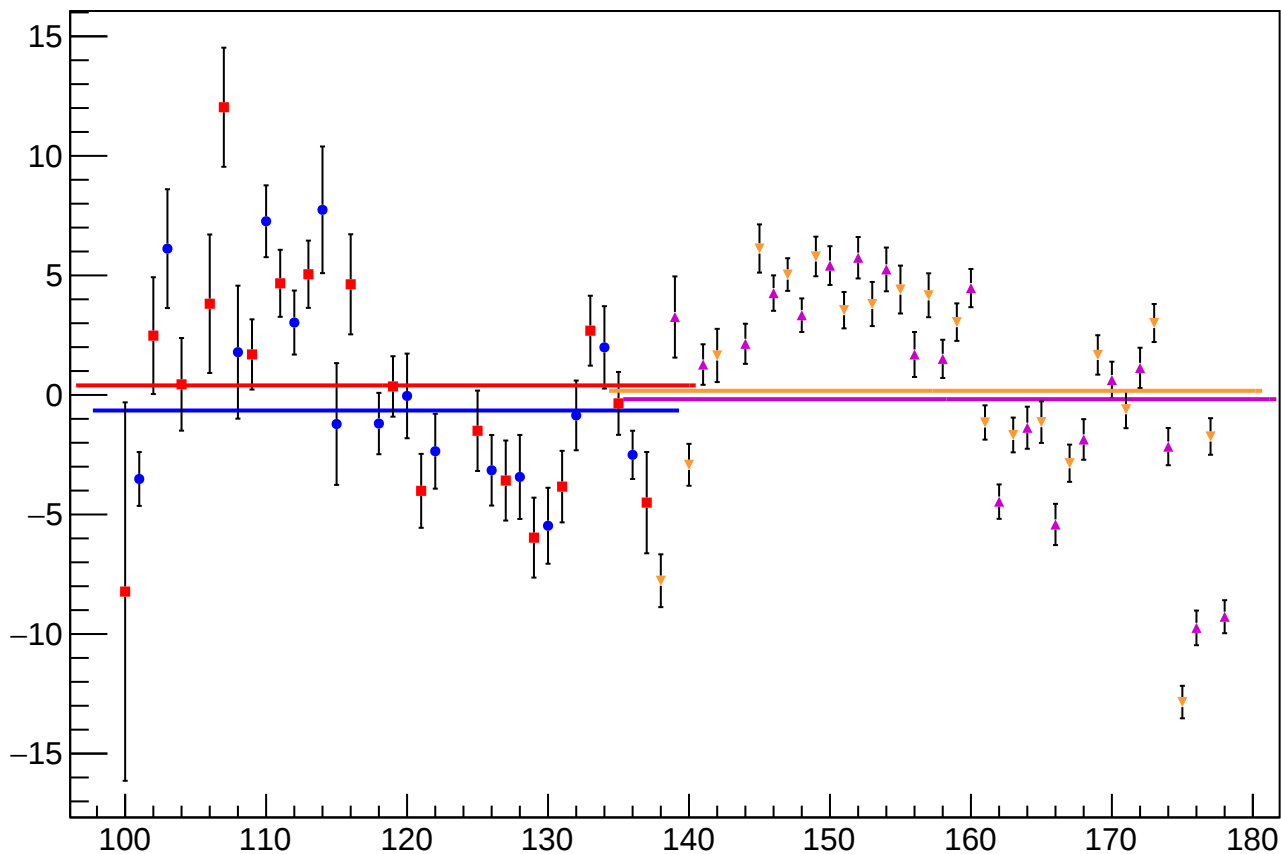
Left In: -49.796 ± 0.209 χ^2/NDF : 1609.4/19

+ sign -50.226 ± 0.203 χ^2/NDF : 1722.5/35

All: -50.144 ± 0.142 χ^2/NDF : 3582.2/73

- sign -50.065 ± 0.198 χ^2/NDF : 1859.4/37

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 $\chi^2/\text{NDF}: 81.9/15$

Left Out: 0.173 ± 0.184 $\chi^2/\text{NDF}: 700.6/19$

Right Out: 0.400 ± 0.399 $\chi^2/\text{NDF}: 95.9/17$

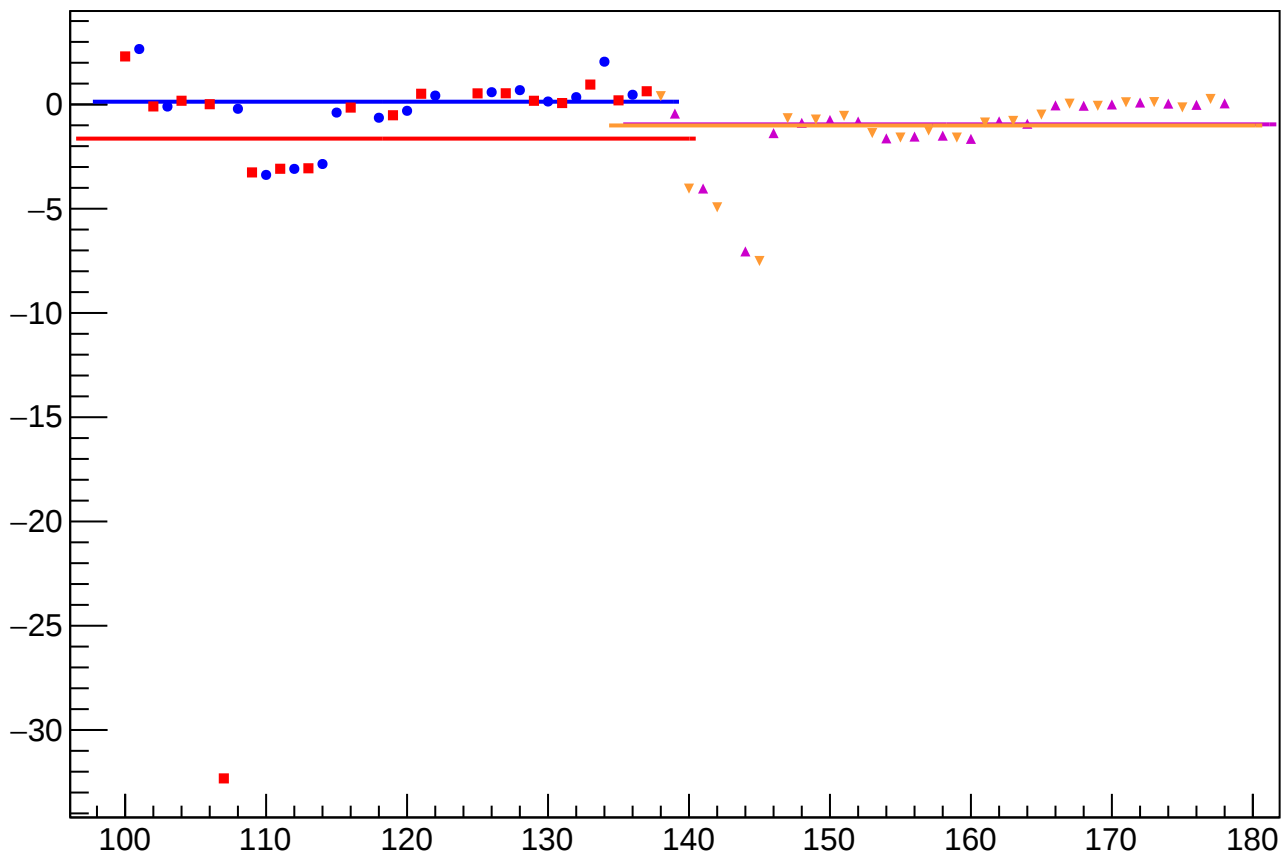
Left In: -0.177 ± 0.182 $\chi^2/\text{NDF}: 683.2/19$

+ sign 0.021 ± 0.166 $\chi^2/\text{NDF}: 786.2/35$

All: -0.028 ± 0.117 $\chi^2/\text{NDF}: 1567.2/73$

- sign -0.078 ± 0.166 $\chi^2/\text{NDF}: 780.8/37$

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.007 ± 0.008 $\chi^2/\text{NDF}: 40243.6/19$

Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$

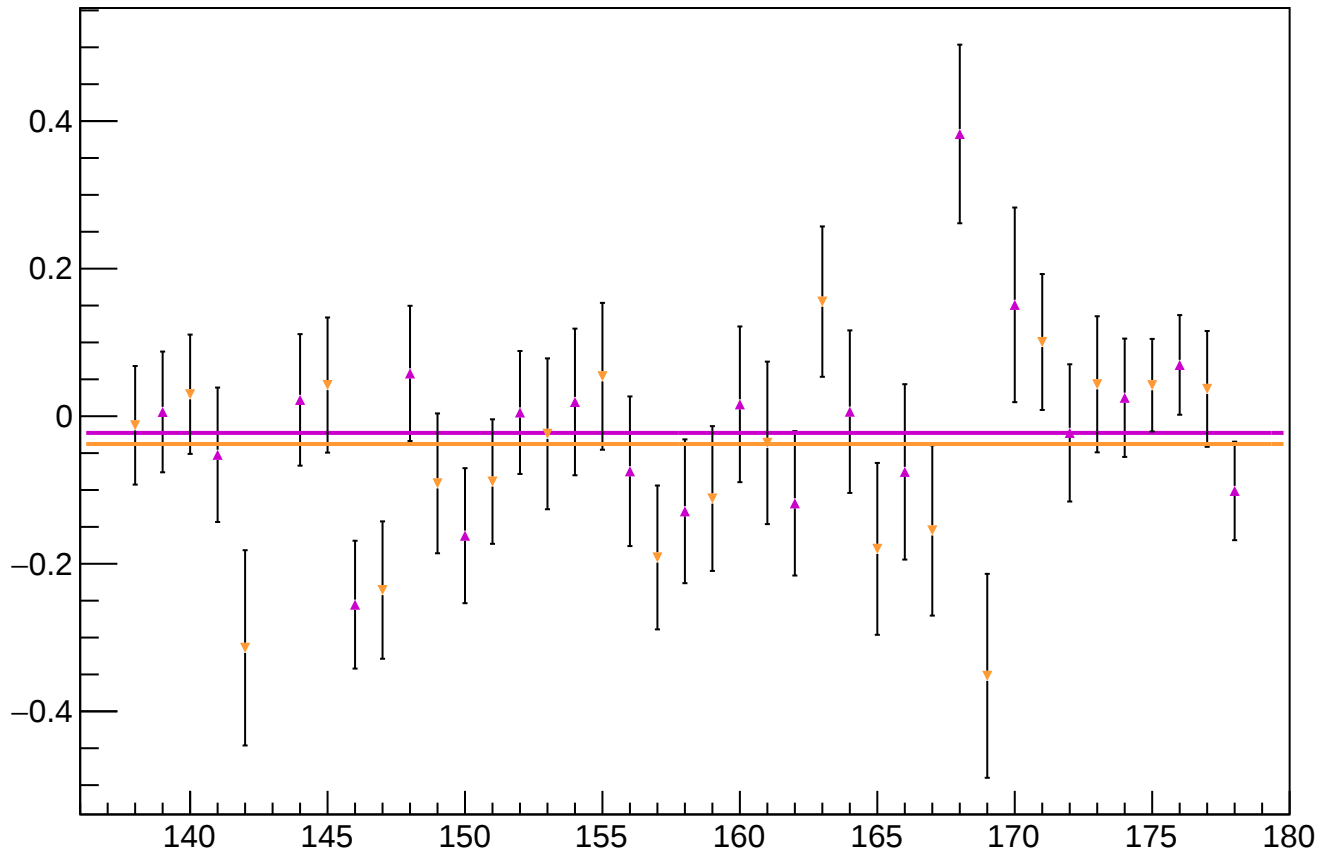
Left In: -0.955 ± 0.008 $\chi^2/\text{NDF}: 29654.9/19$

+ sign -0.855 ± 0.008 $\chi^2/\text{NDF}: 47908.6/35$

All: -0.949 ± 0.006 $\chi^2/\text{NDF}: 156550.7/73$

- sign -1.041 ± 0.008 $\chi^2/\text{NDF}: 108359.4/37$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.038 $\pm$ 0.021 χ^2 /NDF:31.9/19

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

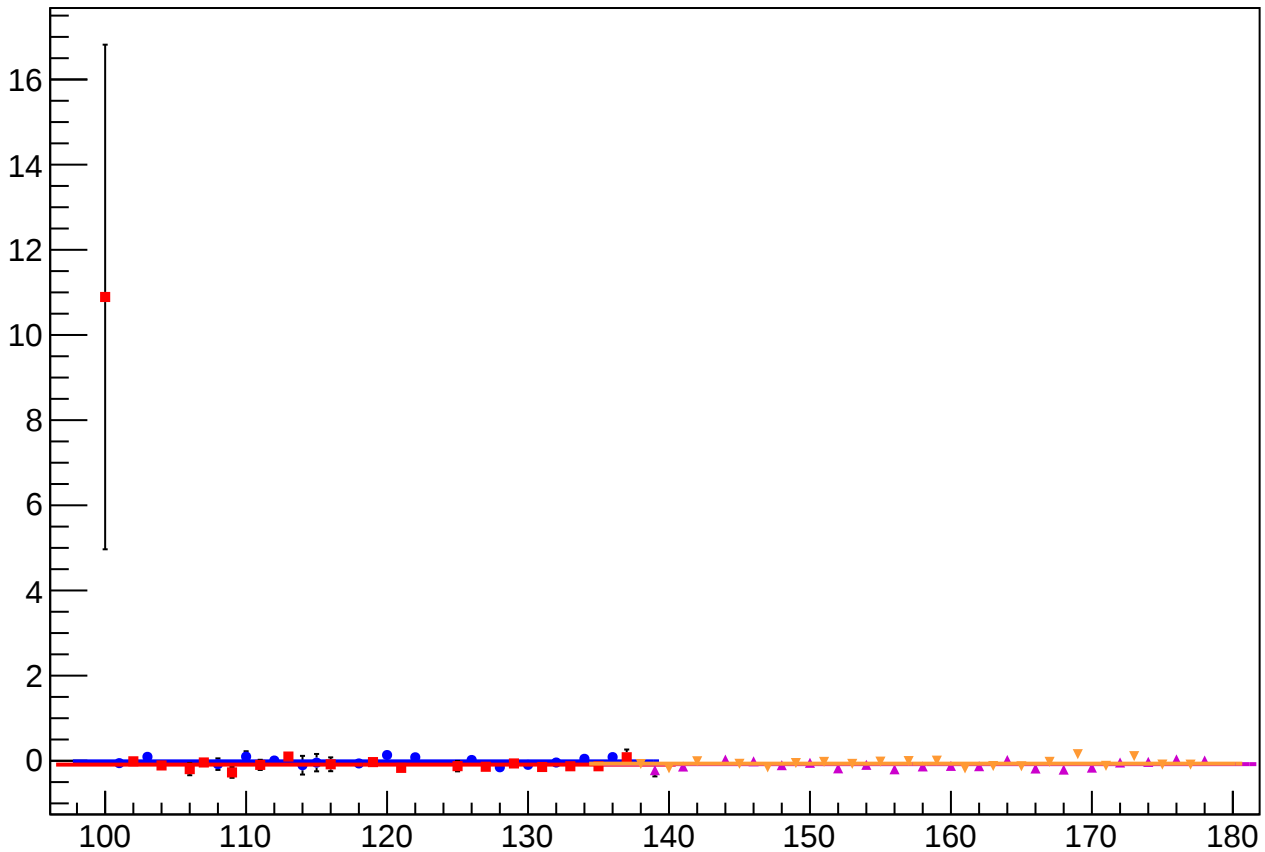
Left In: -0.023 $\pm$ 0.020 χ^2 /NDF:30.4/19

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

All: -0.030 $\pm$ 0.015 χ^2 /NDF: 62.5/39

- 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: -0.067 ± 0.015 χ^2/NDF : 25.3/19

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

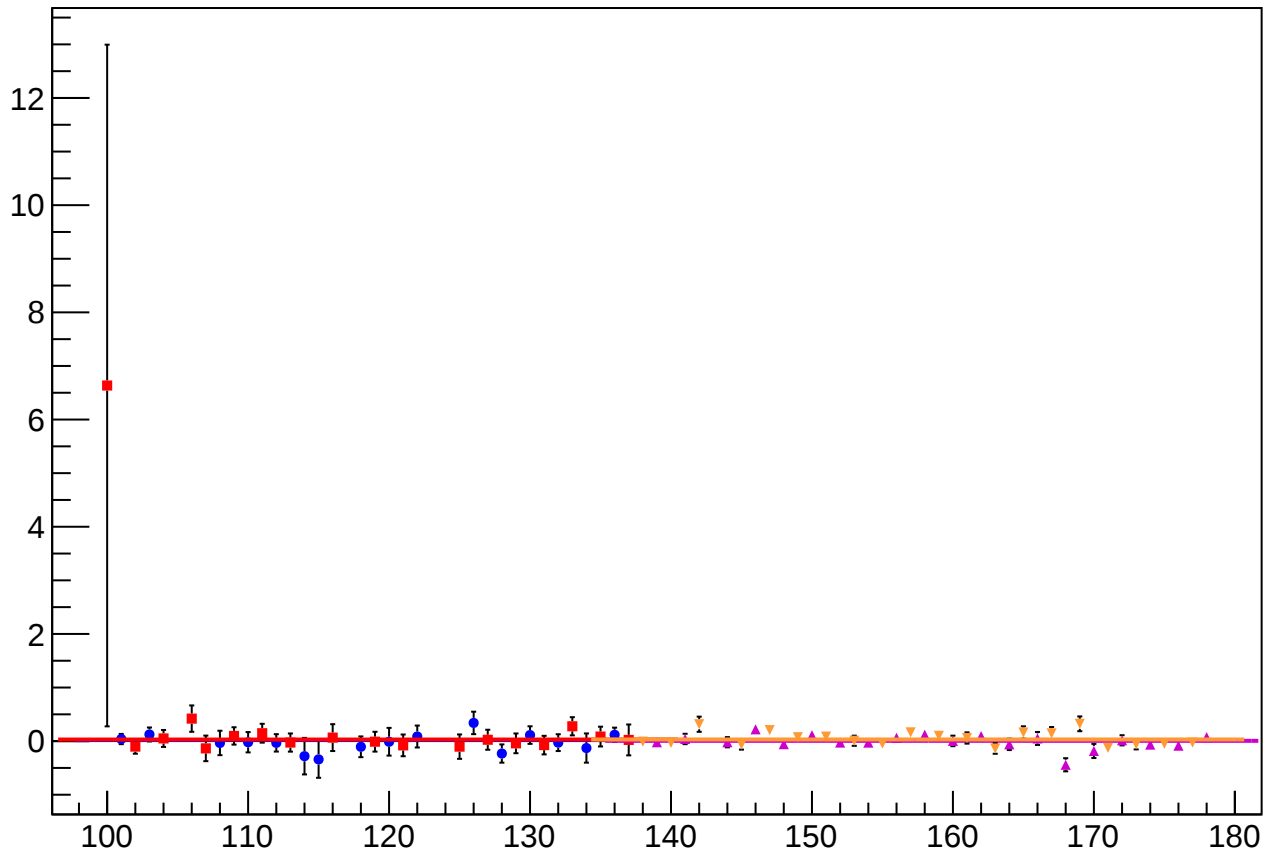
Left In: -0.078 ± 0.015 χ^2/NDF : 23.7/19

+ sign -0.051 ± 0.013 χ^2/NDF : 40.6/35

All: -0.066 ± 0.009 χ^2/NDF : 80.2/73

- sign -0.081 ± 0.013 χ^2/NDF : 36.8/37

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 ± 0.043 χ^2/NDF : 9.1/15

Left Out: 0.031 ± 0.021 χ^2/NDF : 29.4/19

Right Out: 0.030 ± 0.045 χ^2/NDF : 9.2/17

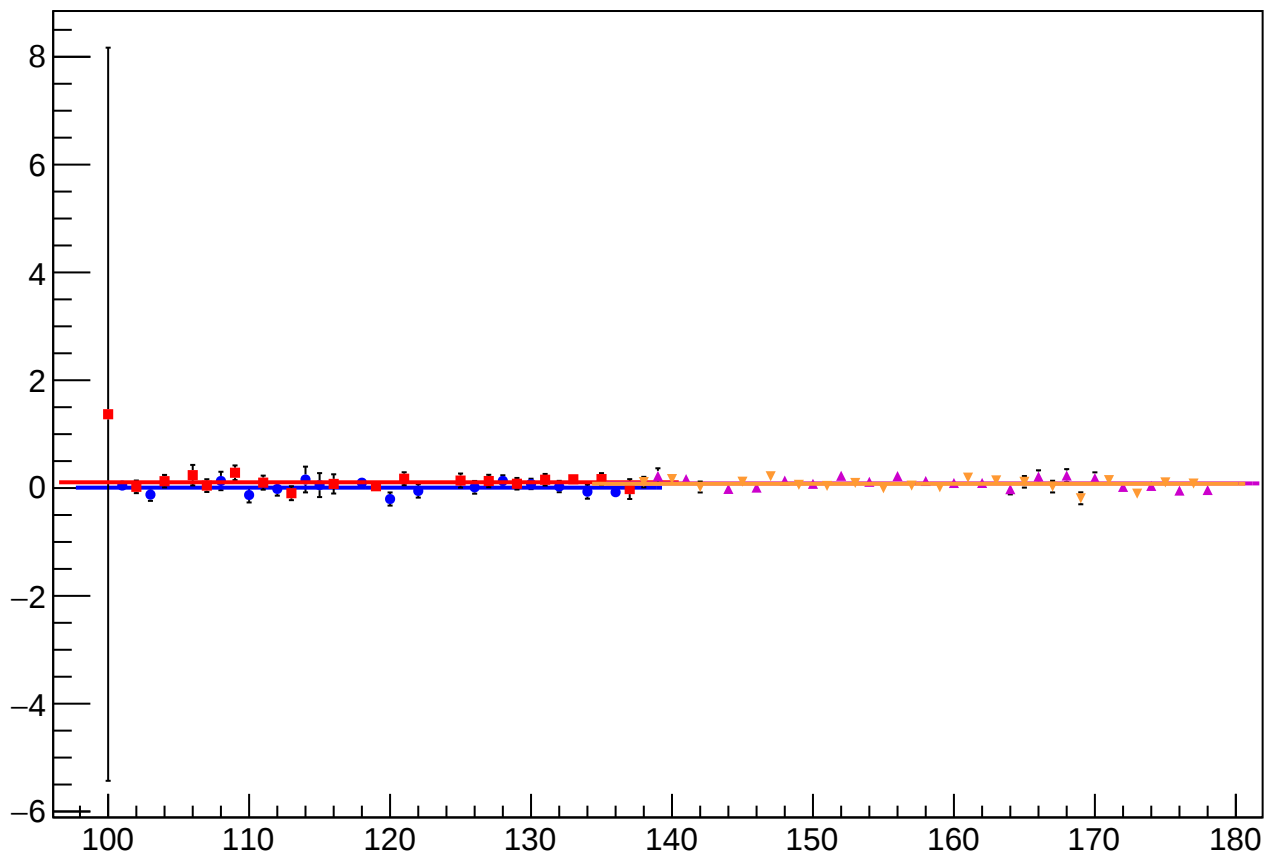
Left In: 0.006 ± 0.020 χ^2/NDF : 31.6/19

+ sign 0.029 ± 0.019 χ^2/NDF : 38.6/35

All: 0.019 ± 0.013 χ^2/NDF : 80.2/73

- sign 0.010 ± 0.018 χ^2/NDF : 41.1/37

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.079 $\pm$ 0.018 χ^2 /NDF: 25.0/19

Right Out: 0.107 $\pm$ 0.029 χ^2 /NDF: 8.2/17

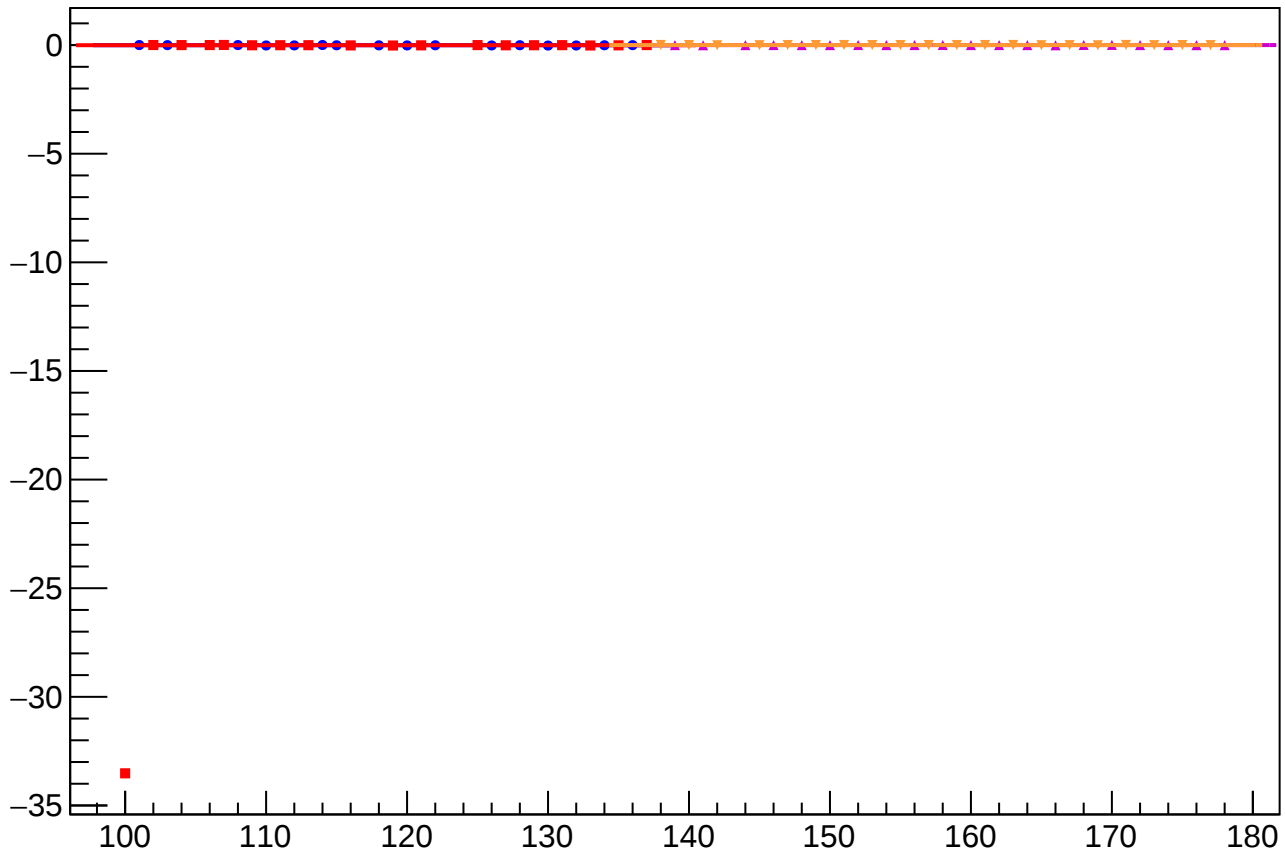
Left In: 0.086 $\pm$ 0.018 χ^2 /NDF: 26.4/19

+ sign 0.058 $\pm$ 0.015 χ^2 /NDF: 41.2/35

All: 0.075 $\pm$ 0.011 χ^2 /NDF: 78.7/73

- sign 0.092 $\pm$ 0.015 χ^2 /NDF: 34.9/37

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 : 20.2/19

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.7/17

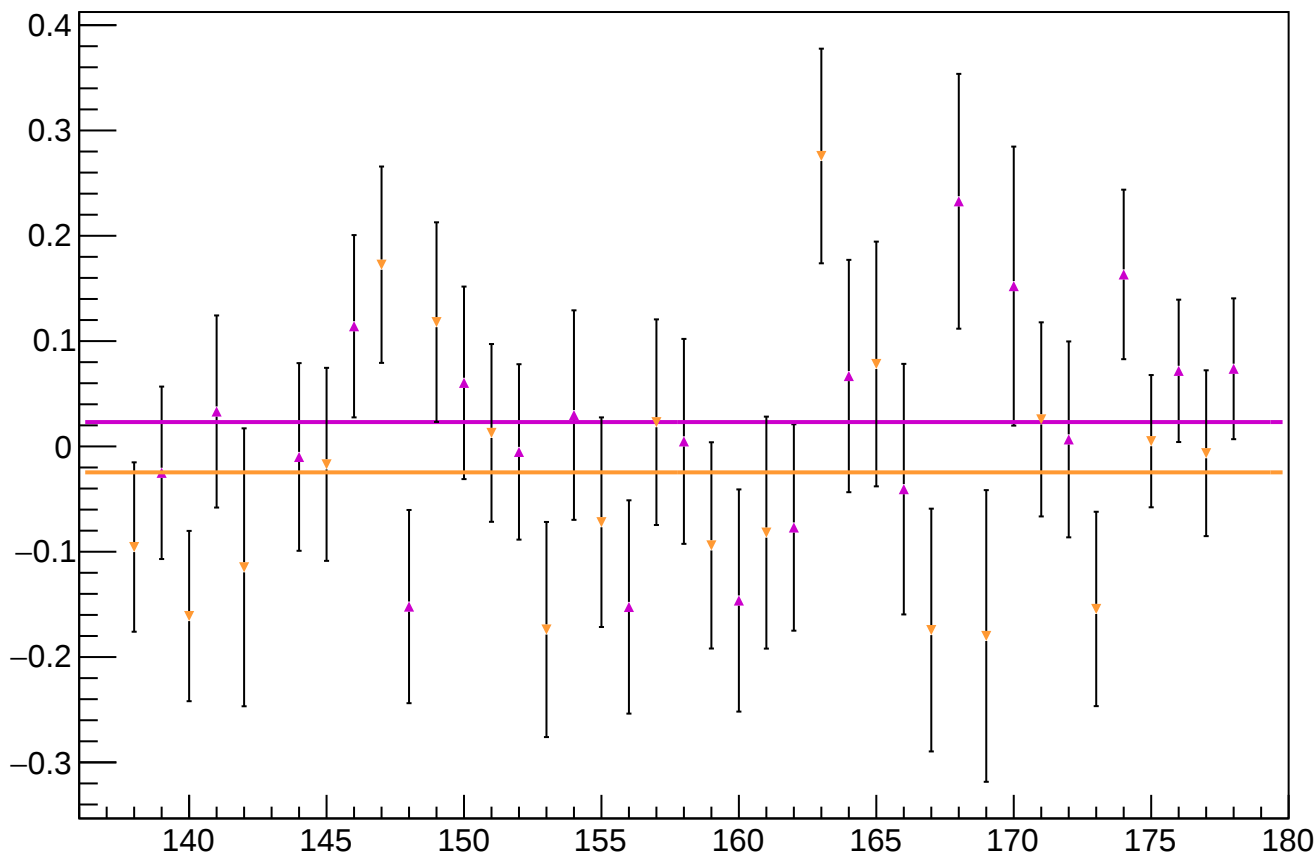
Left In: -0.000 ± 0.001 χ^2/NDF : 18.5/19

+ sign -0.001 ± 0.001 χ^2/NDF : 55.3/35

All: -0.001 ± 0.000 χ^2/NDF : 26594.7/73

- sign -0.002 ± 0.001 χ^2/NDF : 26538.7/37

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.025 $\pm$ 0.021 χ^2 /NDF: 29.4/19

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

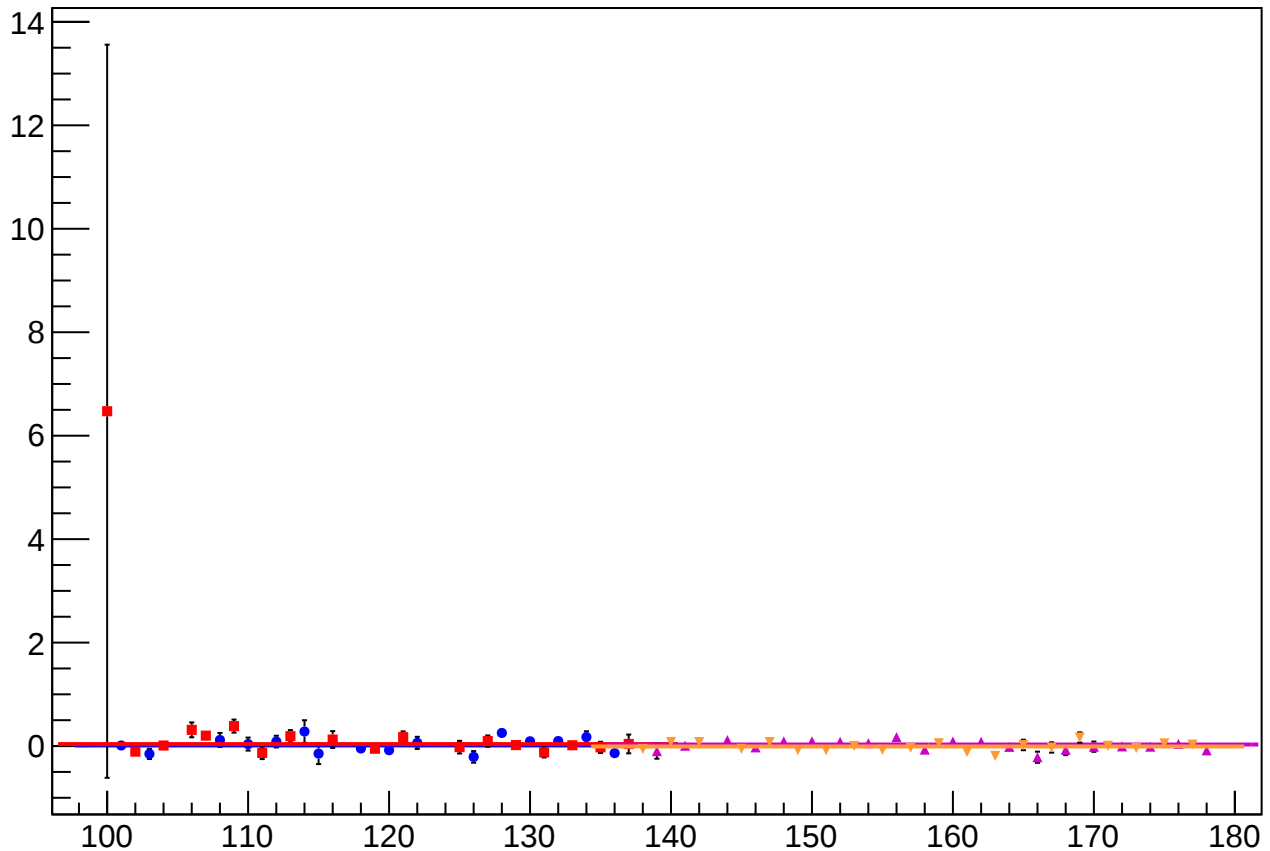
Left In: 0.023 $\pm$ 0.020 χ^2 /NDF: 20.8/19

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

All: -0.000 $\pm$ 0.015 χ^2 /NDF: 52.8/39

- 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: -0.008 ± 0.015 χ^2/NDF : 24.5/19

Right Out: 0.038 ± 0.025 χ^2/NDF : 28.4/17

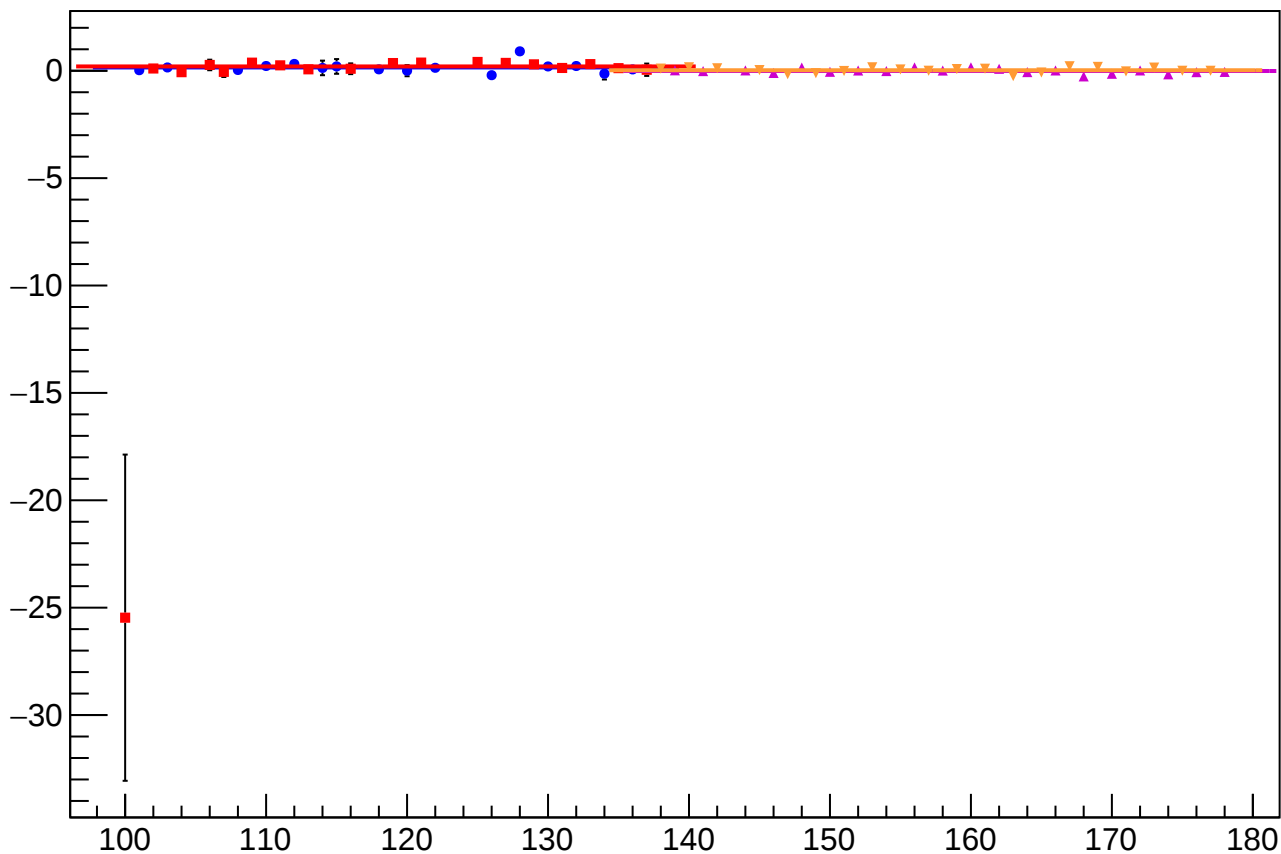
Left In: 0.030 ± 0.015 χ^2/NDF : 25.6/19

+ sign -0.002 ± 0.013 χ^2/NDF : 50.0/35

All: 0.015 ± 0.009 χ^2/NDF : 107.6/73

- sign 0.032 ± 0.013 χ^2/NDF : 54.1/37

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.024 $\pm$ 0.021 χ^2 /NDF: 28.5/19

Right Out: 0.201 $\pm$ 0.045 χ^2 /NDF: 22.6/17

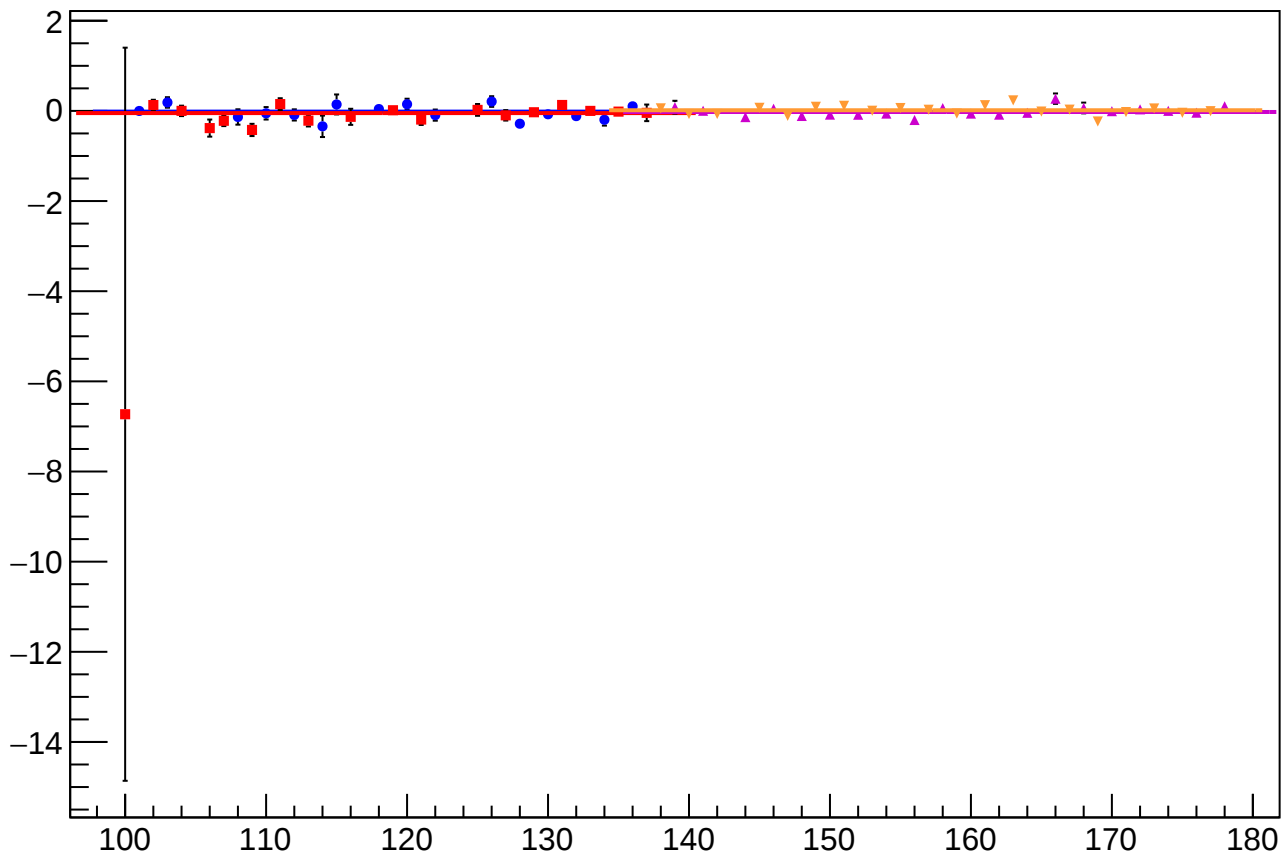
Left In: -0.011 $\pm$ 0.020 χ^2 /NDF: 22.3/19

+ sign 0.048 $\pm$ 0.019 χ^2 /NDF: 63.9/35

All: 0.036 $\pm$ 0.013 χ^2 /NDF: 128.2/73

- sign 0.024 $\pm$ 0.018 χ^2 /NDF: 63.4/37

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.014 ± 0.018 χ^2/NDF : 27.1/19

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

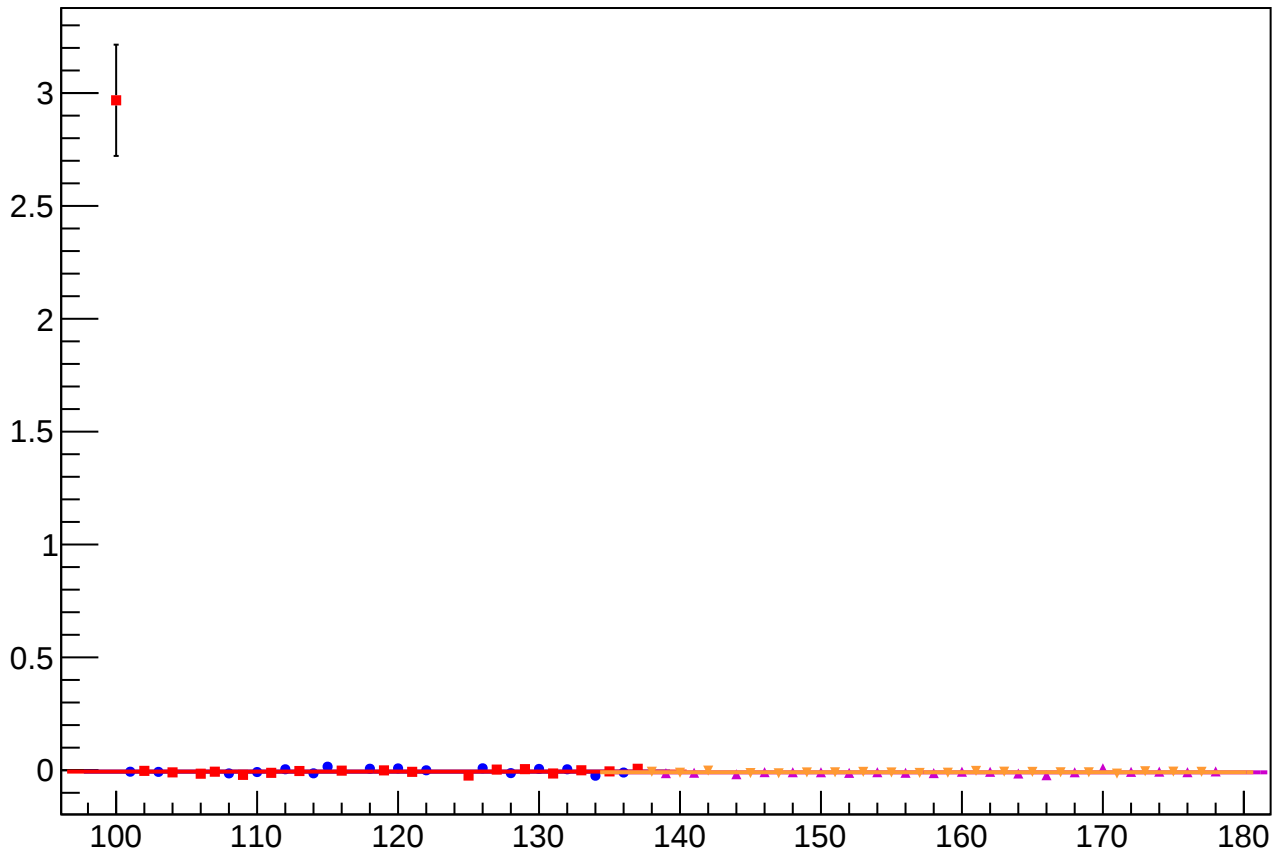
Left In: -0.024 ± 0.018 χ^2/NDF : 26.7/19

+ sign 0.005 ± 0.015 χ^2/NDF : 52.3/35

All: -0.013 ± 0.011 χ^2/NDF : 108.4/73

- sign -0.031 ± 0.015 χ^2/NDF : 53.2/37

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 : 15.5/19

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

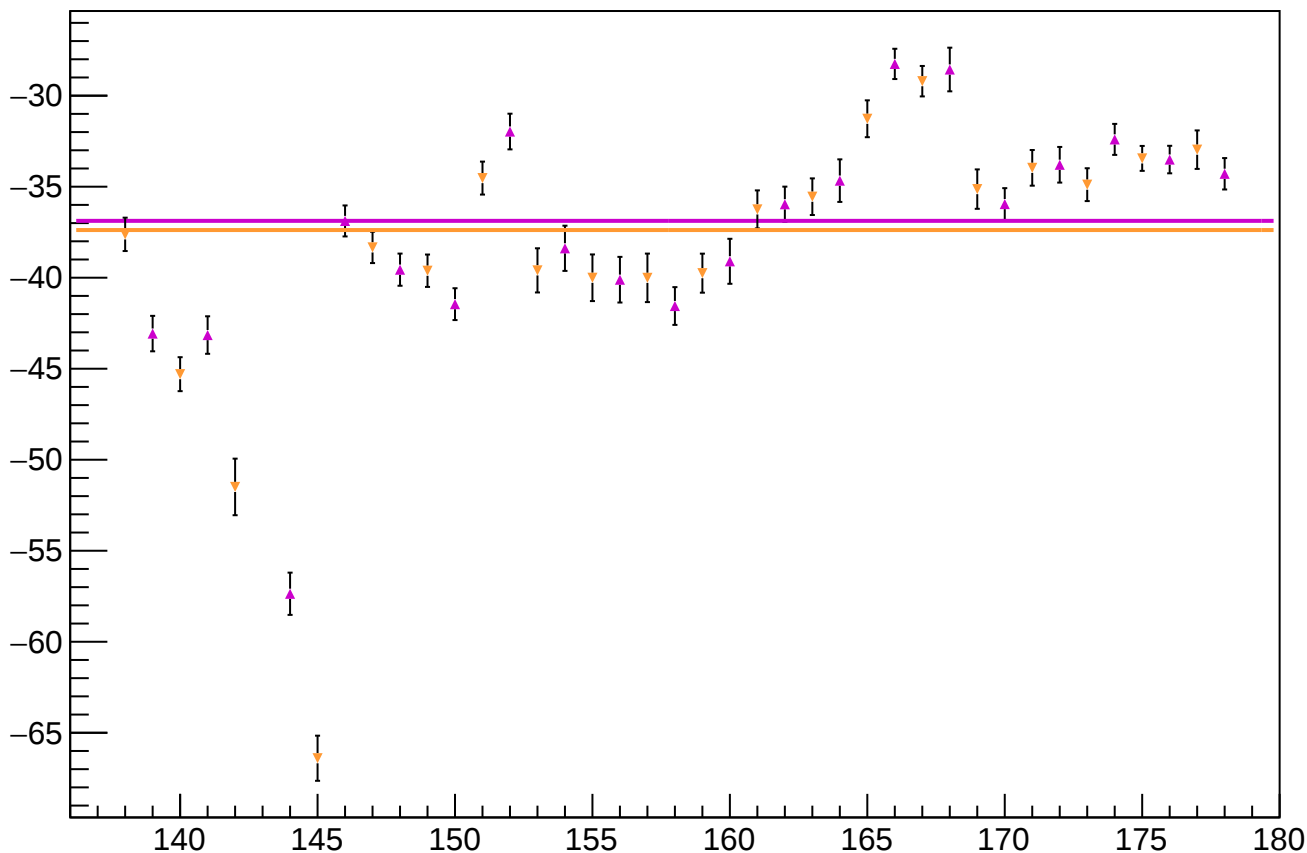
Left In: -0.009 ± 0.001 χ^2/NDF : 32.6/19

+ sign -0.008 ± 0.001 χ^2/NDF : 45.4/35

All: -0.008 ± 0.000 χ^2/NDF : 248.0/73

- sign -0.009 ± 0.001 χ^2/NDF : 202.5/37

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -37.382 $\pm$ 0.221 χ^2 /NDF: 947.4/19

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

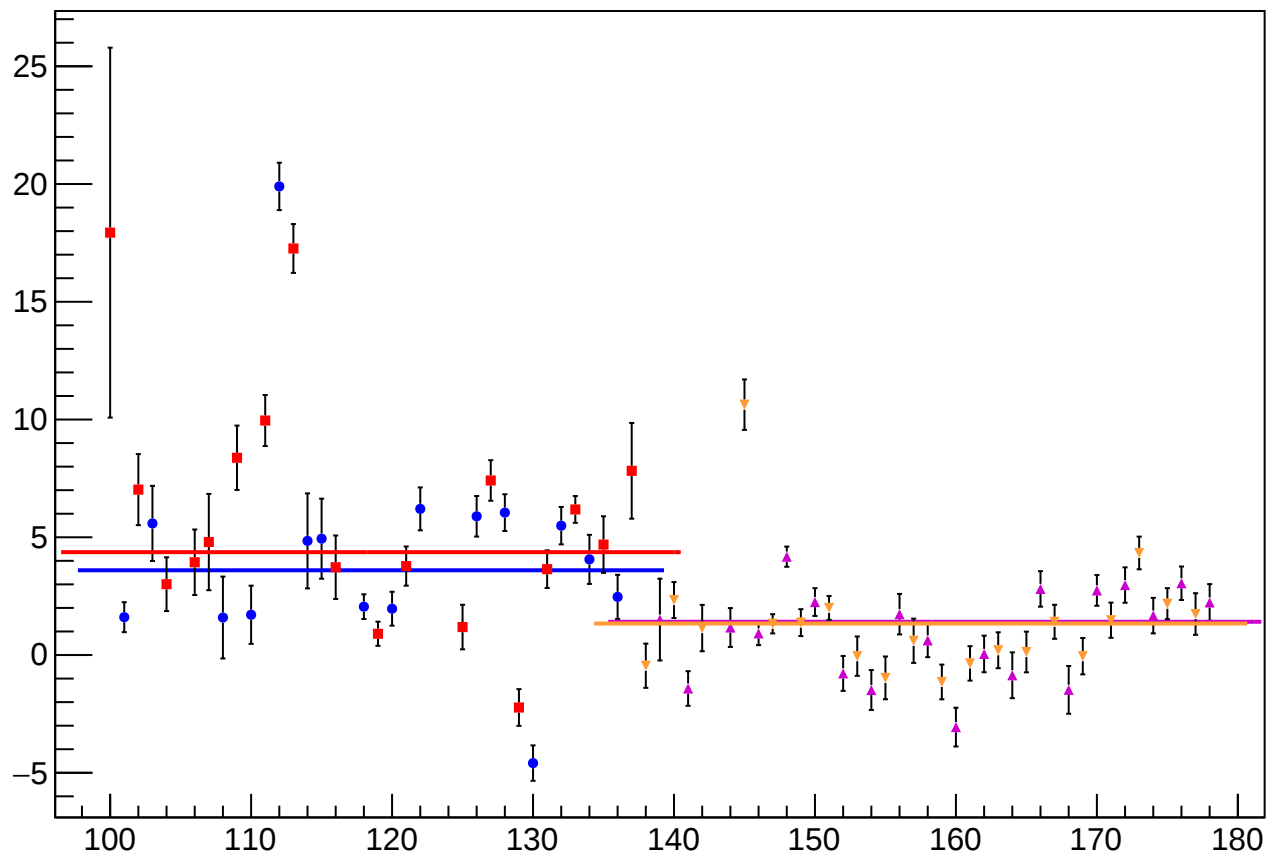
Left In: -36.877 $\pm$ 0.216 χ^2 /NDF: 710.0/19

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

All: -37.123 $\pm$ 0.155 χ^2 /NDF: 1660.1/39

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

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 443.4/15$

Left Out: 1.338 ± 0.160 $\chi^2/\text{NDF}: 136.8/19$

Right Out: 4.367 ± 0.225 $\chi^2/\text{NDF}: 353.1/17$

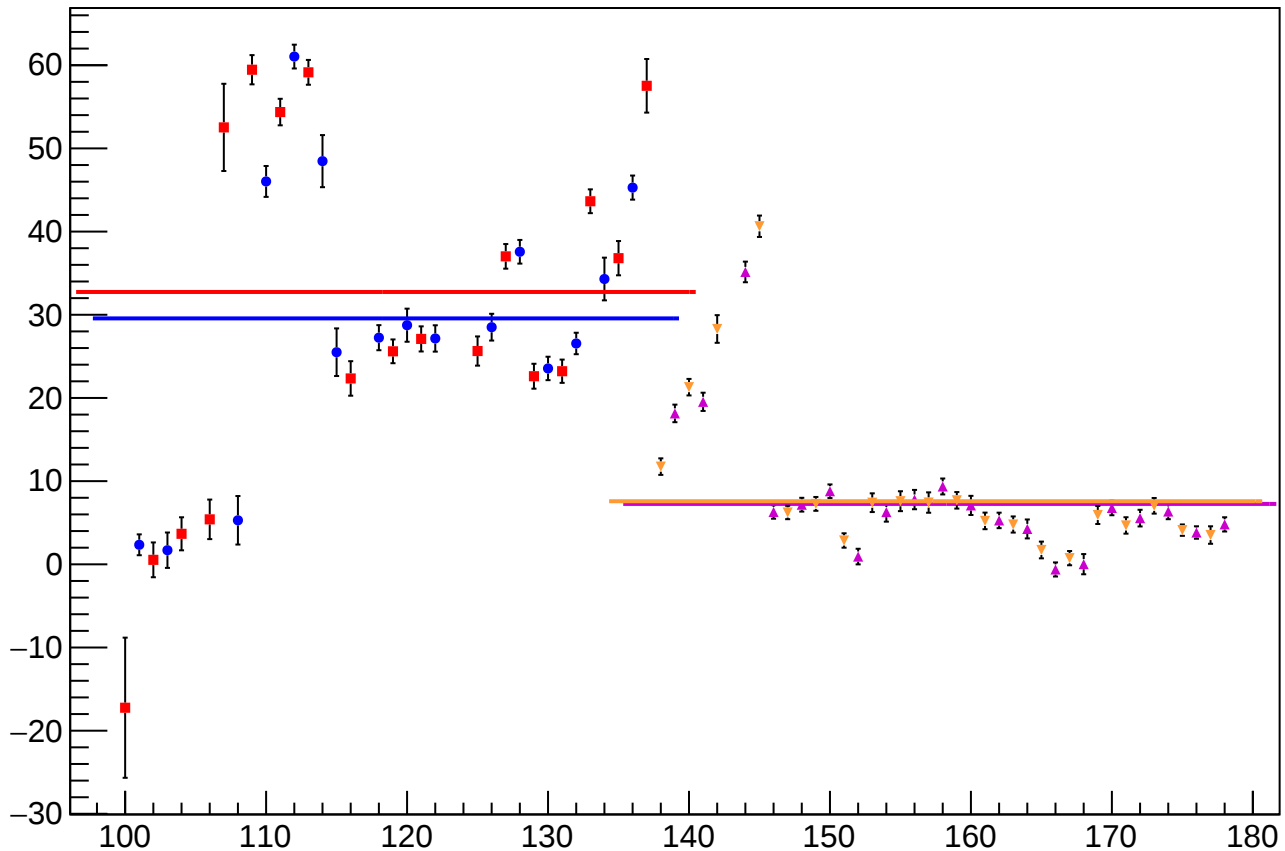
Left In: 1.412 ± 0.160 $\chi^2/\text{NDF}: 146.0/19$

+ sign 2.116 ± 0.129 $\chi^2/\text{NDF}: 649.3/35$

All: 2.260 ± 0.092 $\chi^2/\text{NDF}: 1265.5/73$

- sign 2.408 ± 0.130 $\chi^2/\text{NDF}: 613.7/37$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 ± 0.420 χ^2/NDF : 1494.6/15

Left Out: 7.585 ± 0.218 χ^2/NDF : 1220.0/19

Right Out: 32.741 ± 0.423 χ^2/NDF : 1663.3/17

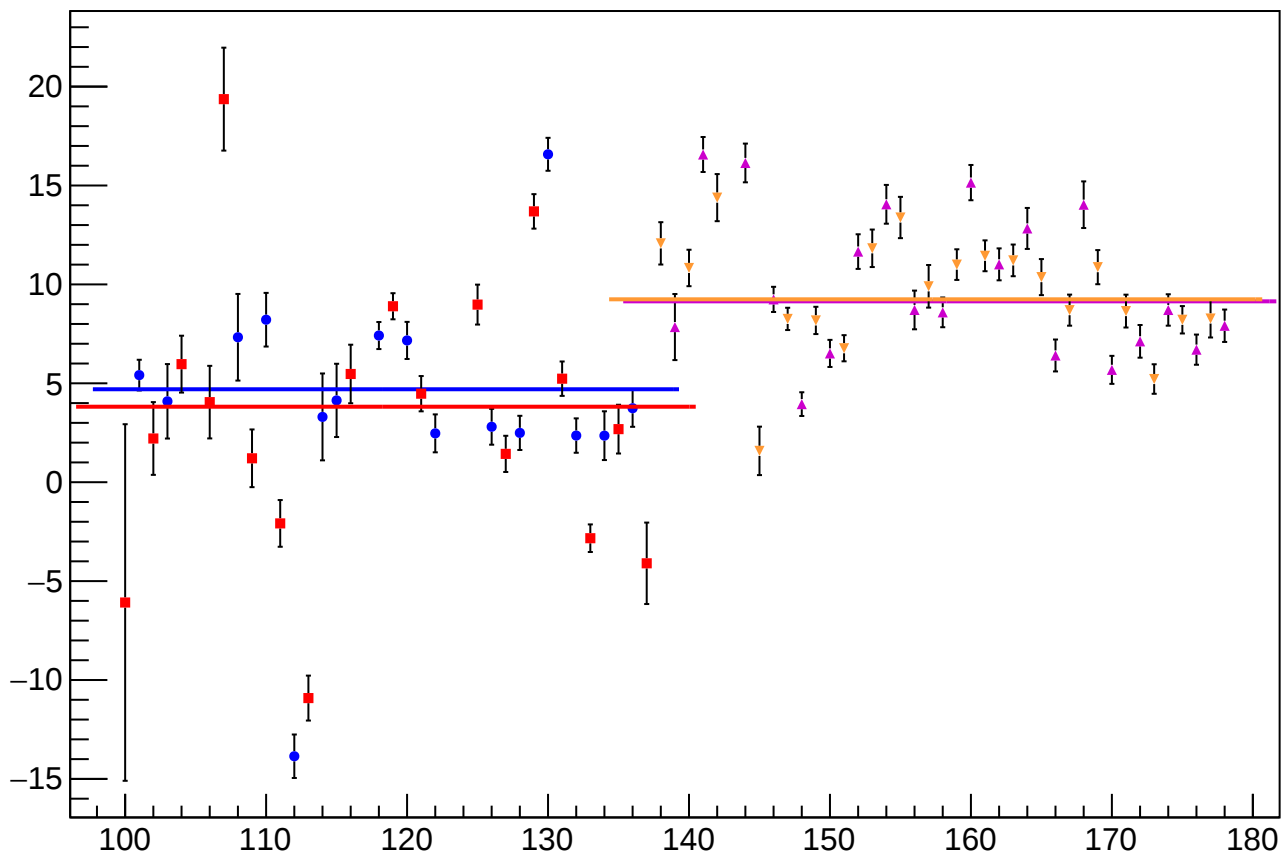
Left In: 7.261 ± 0.214 χ^2/NDF : 960.0/19

+ sign 12.272 ± 0.194 χ^2/NDF : 4873.9/35

All: 12.357 ± 0.136 χ^2/NDF : 10392.1/73

- sign 12.440 ± 0.191 χ^2/NDF : 5517.8/37

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.246 ± 0.185 χ^2/NDF : 168.3/19

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

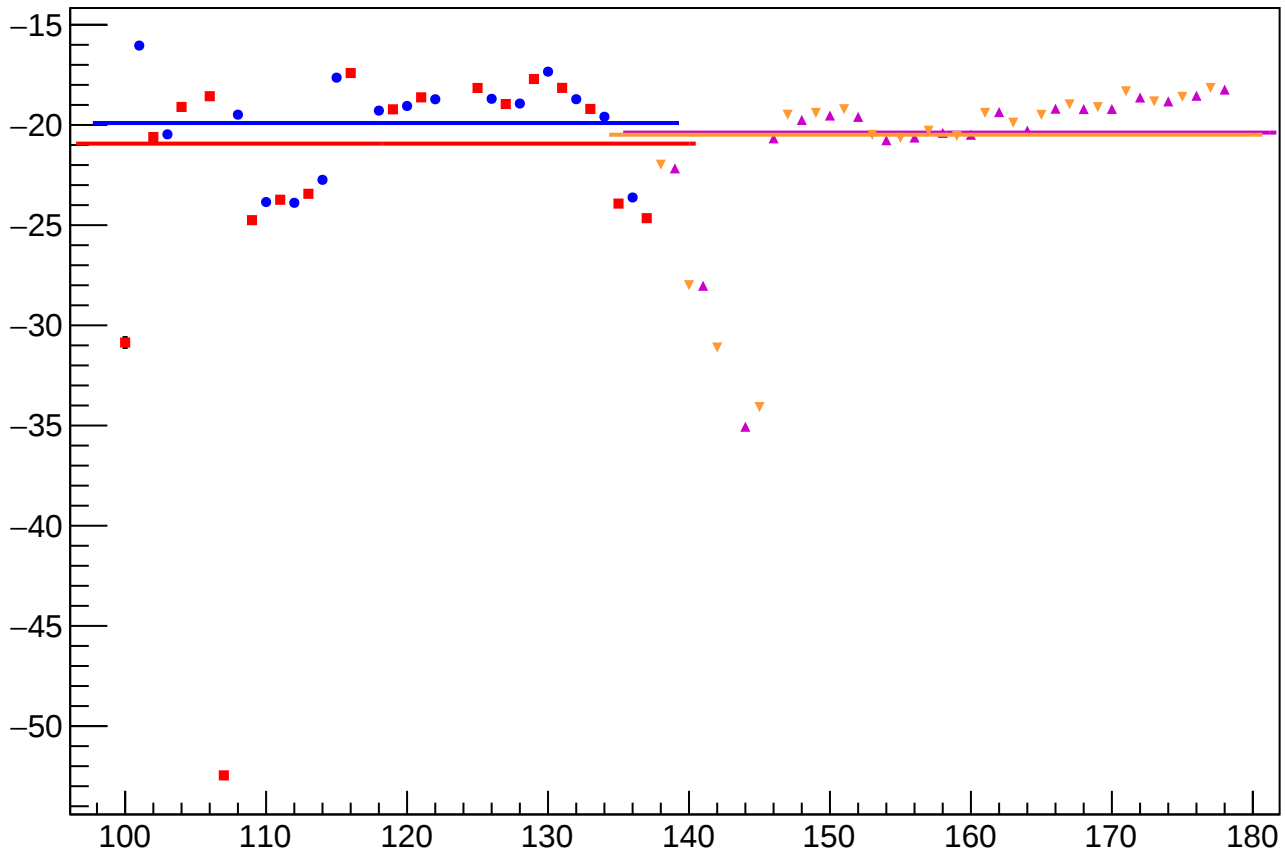
Left In: 9.144 ± 0.184 χ^2/NDF : 380.8/19

+ sign 7.674 ± 0.149 χ^2/NDF : 926.9/35

All: 7.512 ± 0.106 χ^2/NDF : 2159.3/73

- sign 7.349 ± 0.150 χ^2/NDF : 1230.0/37

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 χ^2/NDF : 26054.0/15

Left Out: -20.486 ± 0.009 χ^2/NDF : 148201.1/19

Right Out: -20.931 ± 0.016 χ^2/NDF : 94008.3/17

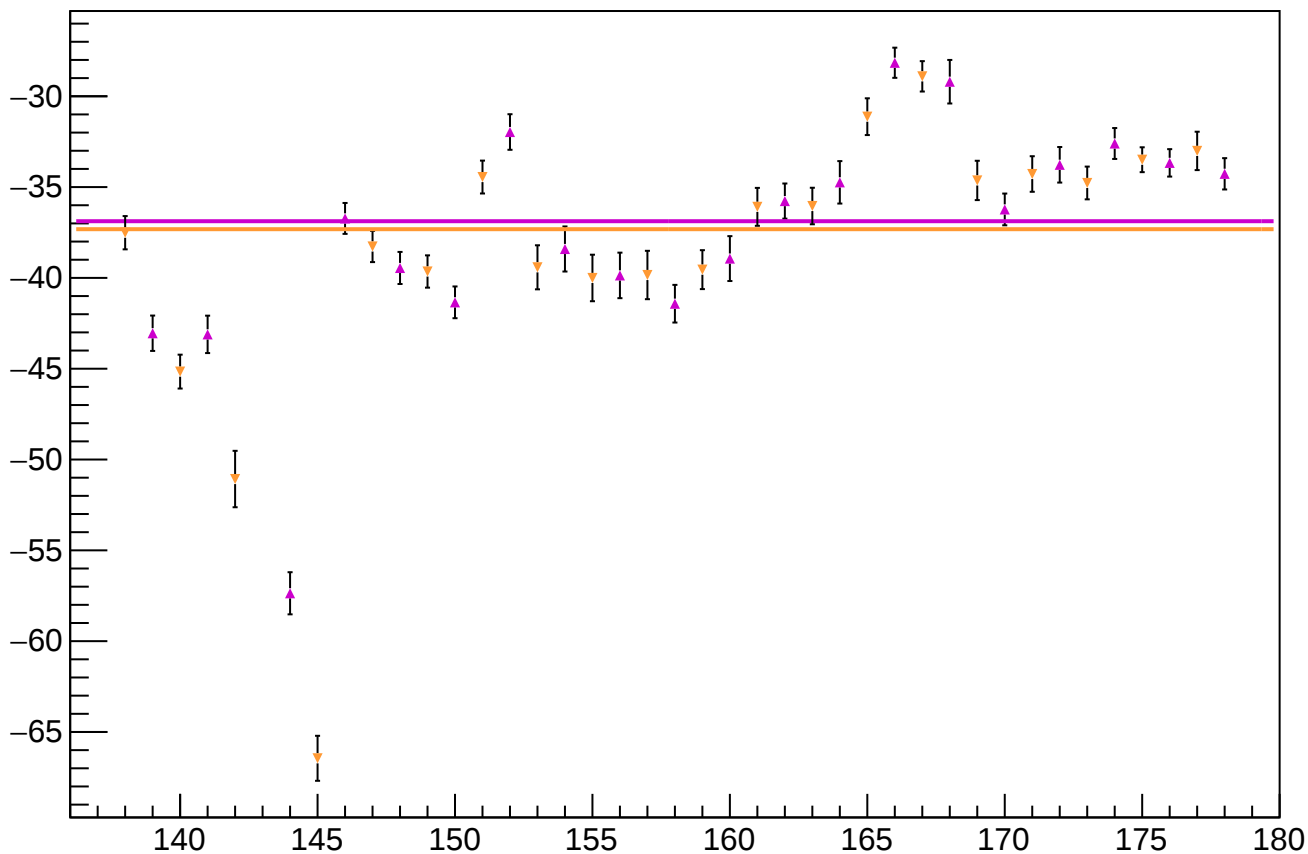
Left In: -20.380 ± 0.009 χ^2/NDF : 120588.5/19

+ sign -20.348 ± 0.008 χ^2/NDF : 175317.3/35

All: -20.428 ± 0.005 χ^2/NDF : 391079.7/73

- sign -20.505 ± 0.007 χ^2/NDF : 215545.7/37

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -37.318 $\pm$ 0.221 χ^2 /NDF:949.1/19

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

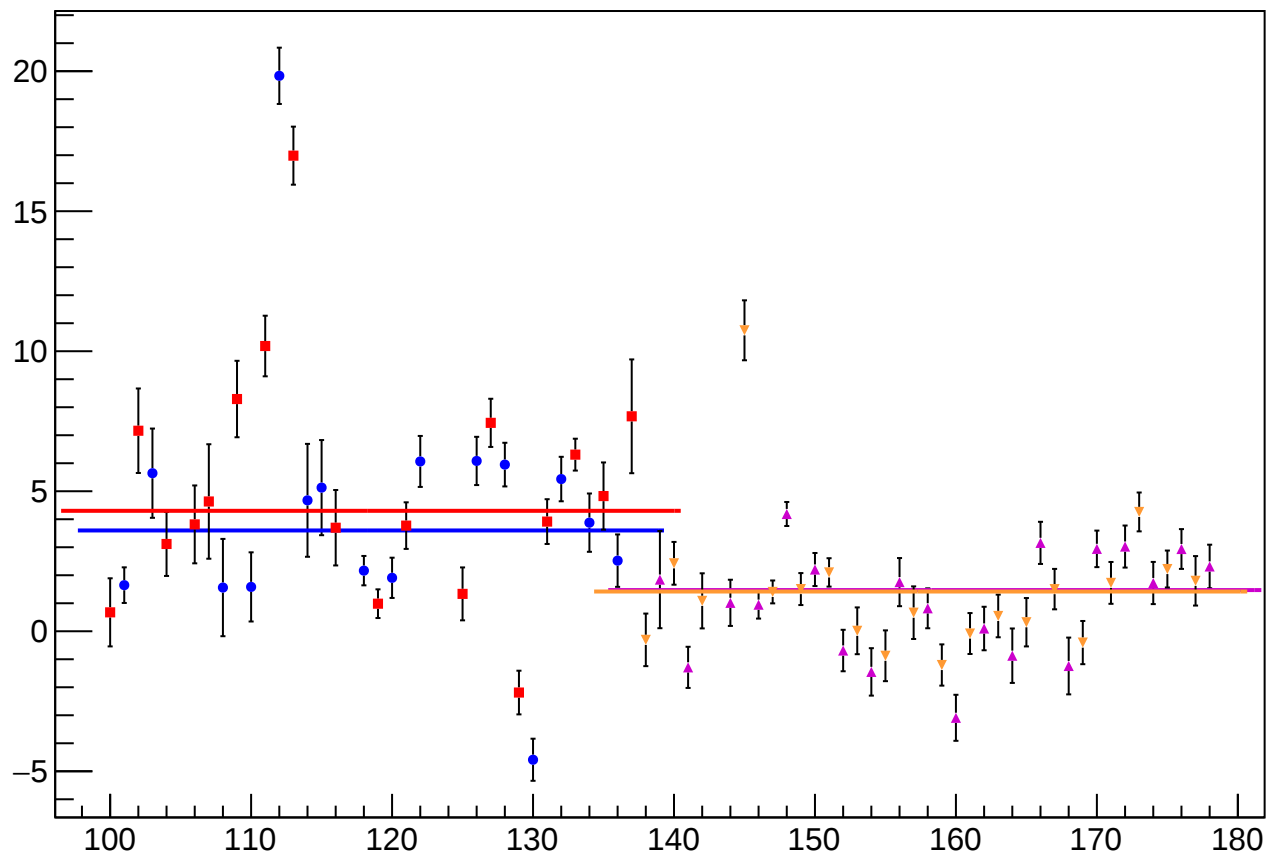
Left In: -36.879 $\pm$ 0.216 χ^2 /NDF:696.9/19

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

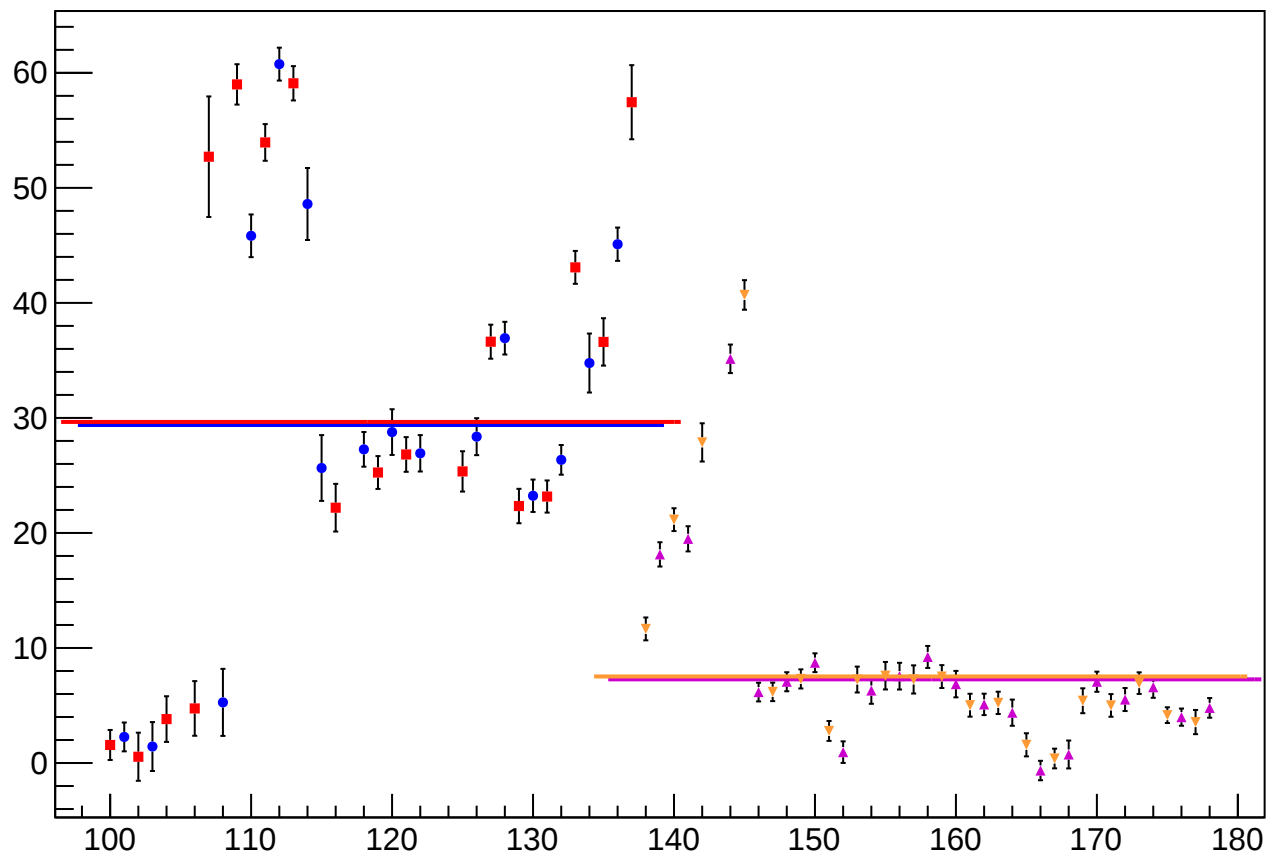
All: -37.094 $\pm$ 0.155 χ^2 /NDF: 1648.0/39

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

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 7.524 $\pm$ 0.218 χ^2 /NDF: 1219.9/19

Right Out: 29.652 $\pm$ 0.402 χ^2 /NDF: 2131.0/17

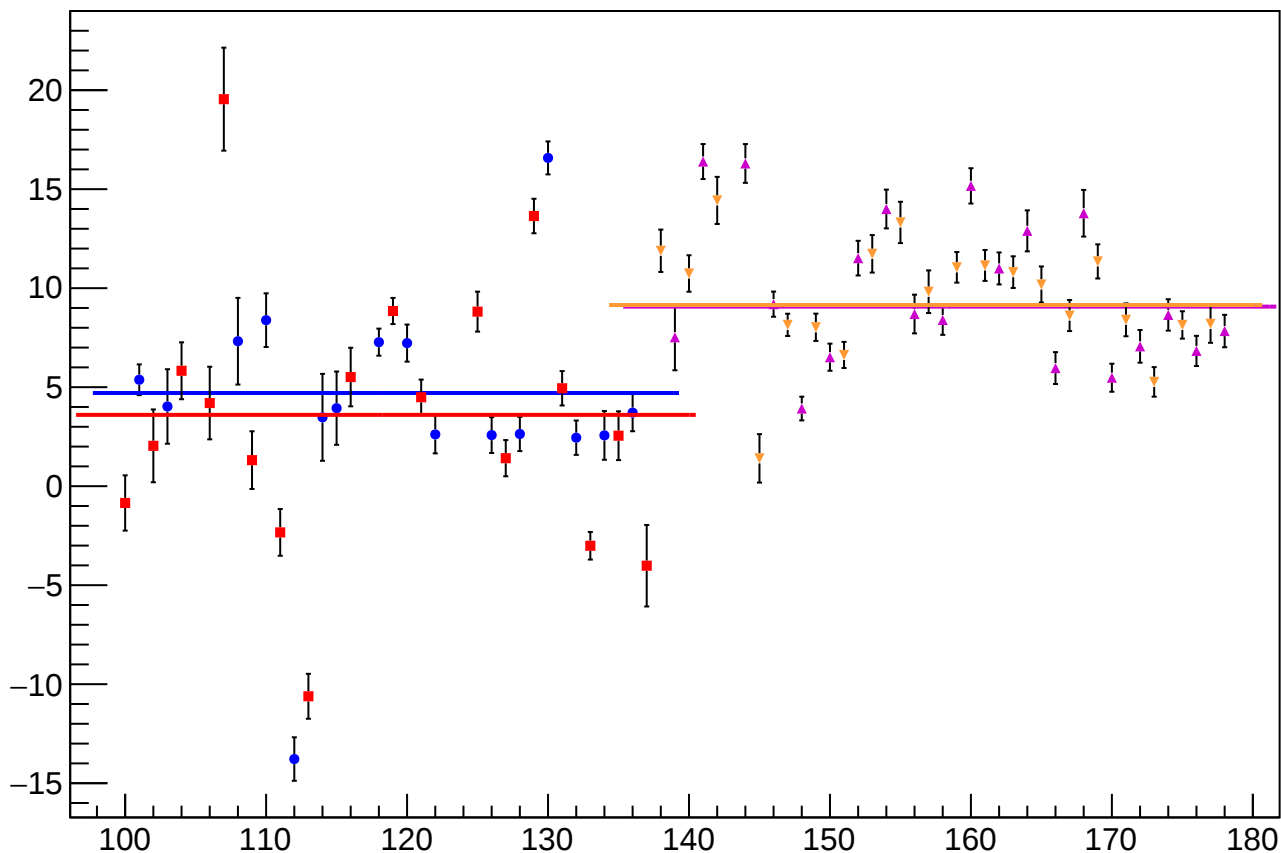
Left In: 7.272 $\pm$ 0.213 χ^2 /NDF: 951.1/19

+ sign 12.187 $\pm$ 0.194 χ^2 /NDF: 4847.8/35

All: 12.186 $\pm$ 0.135 χ^2 /NDF: 10344.7/73

- sign 12.185 $\pm$ 0.189 χ^2 /NDF: 5496.9/37

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.150 ± 0.185 $\chi^2/\text{NDF}: 169.7/19$

Right Out: 3.601 ± 0.254 $\chi^2/\text{NDF}: 573.4/17$

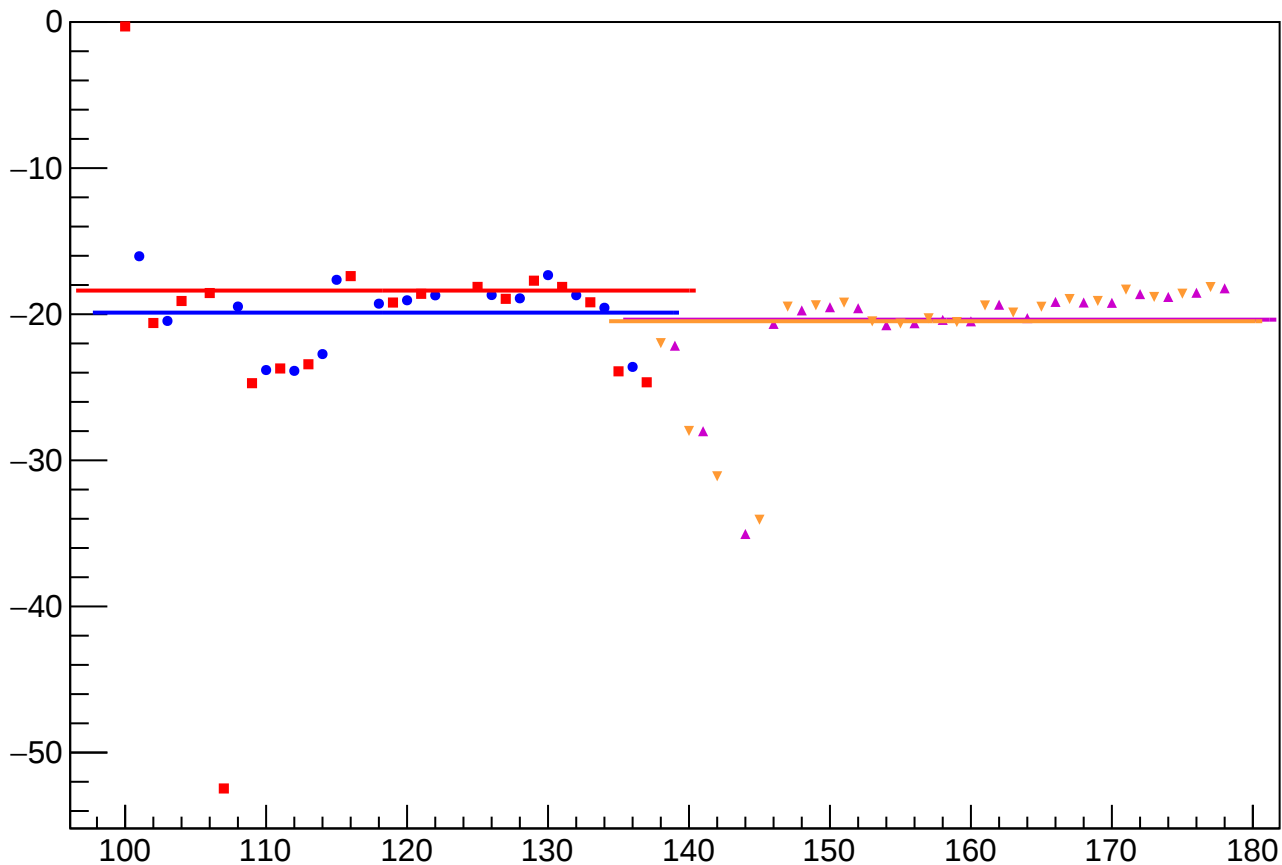
Left In: 9.068 ± 0.184 $\chi^2/\text{NDF}: 385.8/19$

+ sign 7.613 ± 0.149 $\chi^2/\text{NDF}: 915.3/35$

All: 7.399 ± 0.105 $\chi^2/\text{NDF}: 2182.3/73$

- sign 7.185 ± 0.149 $\chi^2/\text{NDF}: 1262.8/37$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15

Left Out: -20.478 ± 0.009 χ^2/NDF : 148292.8/19

Right Out: -18.380 ± 0.015 χ^2/NDF : 300999.4/17

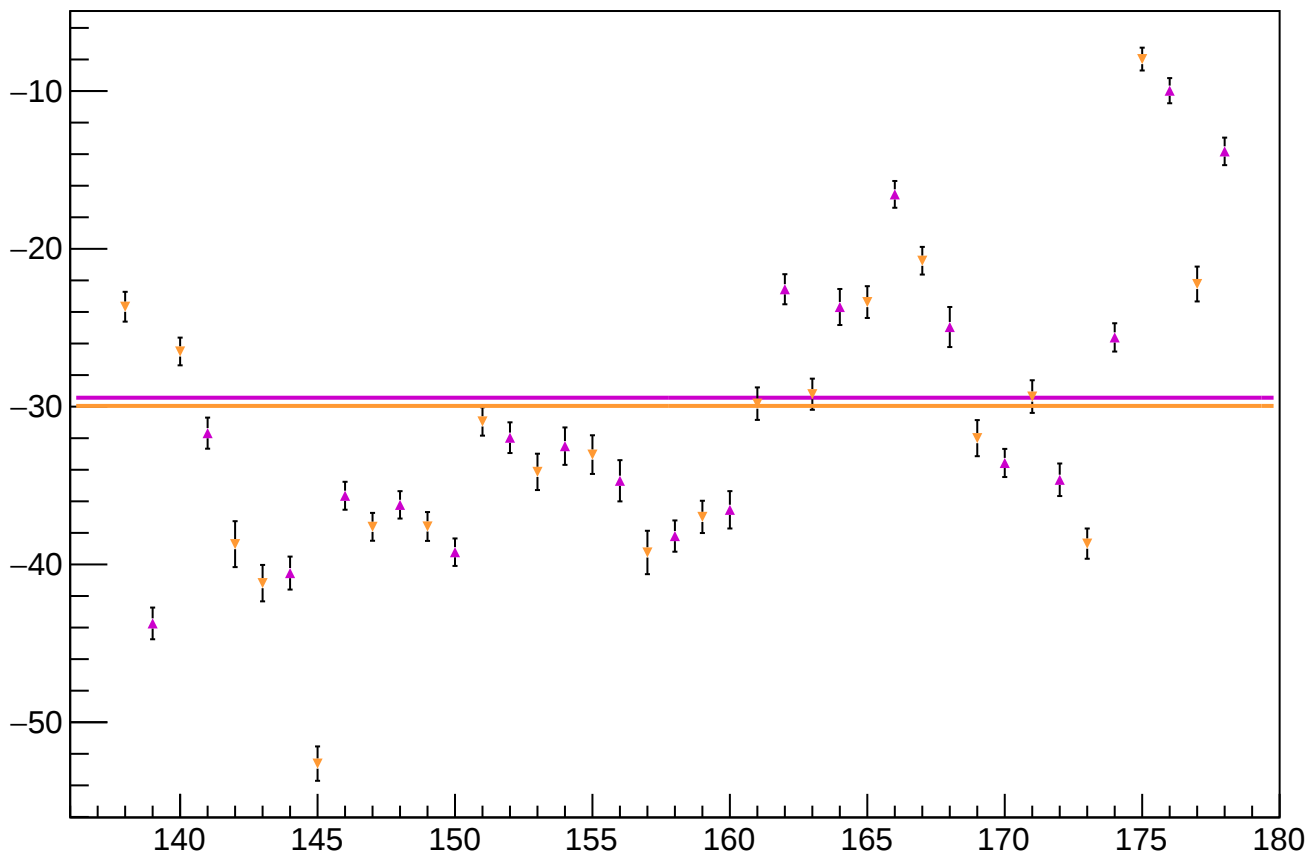
Left In: -20.372 ± 0.009 χ^2/NDF : 120504.6/19

+ sign -20.339 ± 0.008 χ^2/NDF : 175416.3/35

All: -20.099 ± 0.005 χ^2/NDF : 612528.3/73

- sign -19.875 ± 0.007 χ^2/NDF : 435192.2/37

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -29.954+/-0.219 χ^2/NDF : 2094.3/20

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

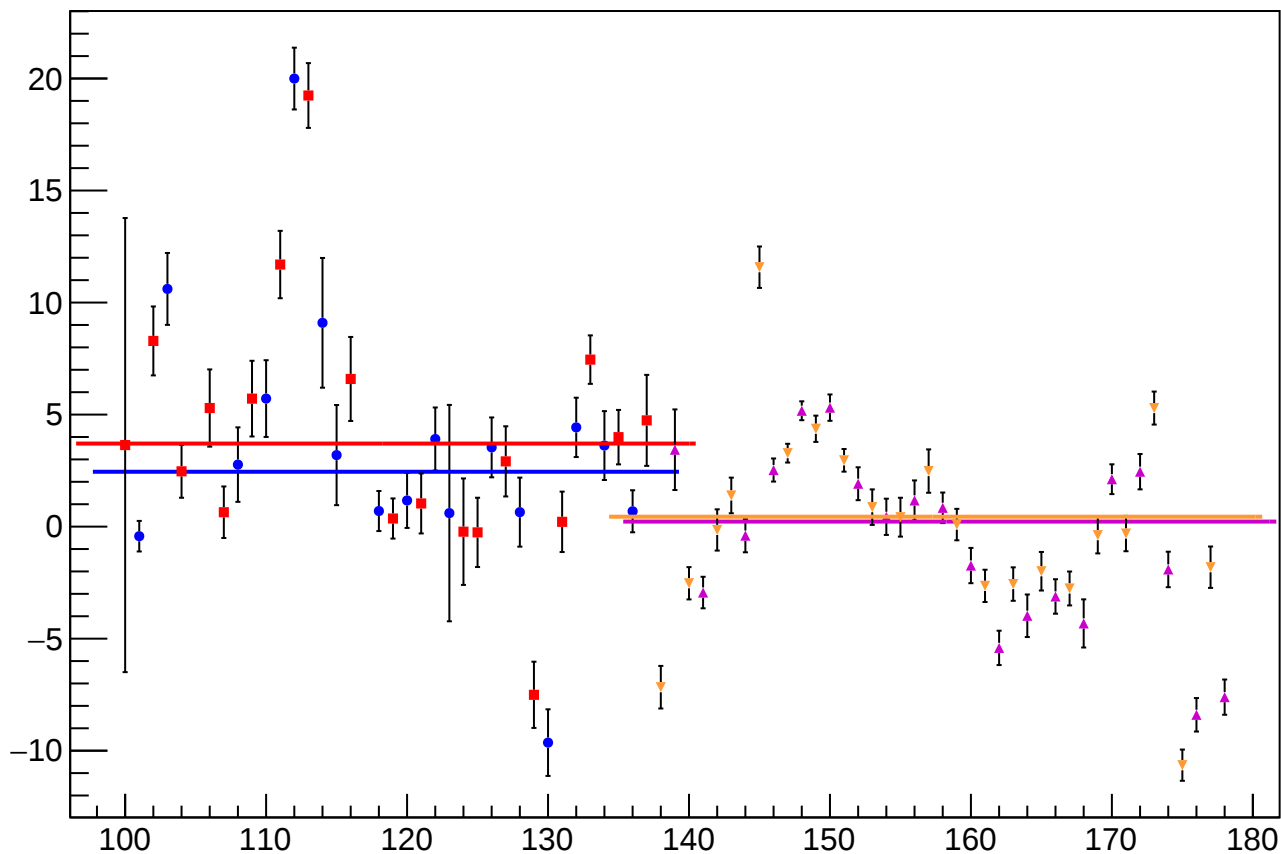
Left In: -29.434+/-0.217 χ^2/NDF : 2003.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -29.692+/-0.154 χ^2/NDF : 4100.7/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 0.443 ± 0.157 χ^2/NDF : 713.6/20

Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

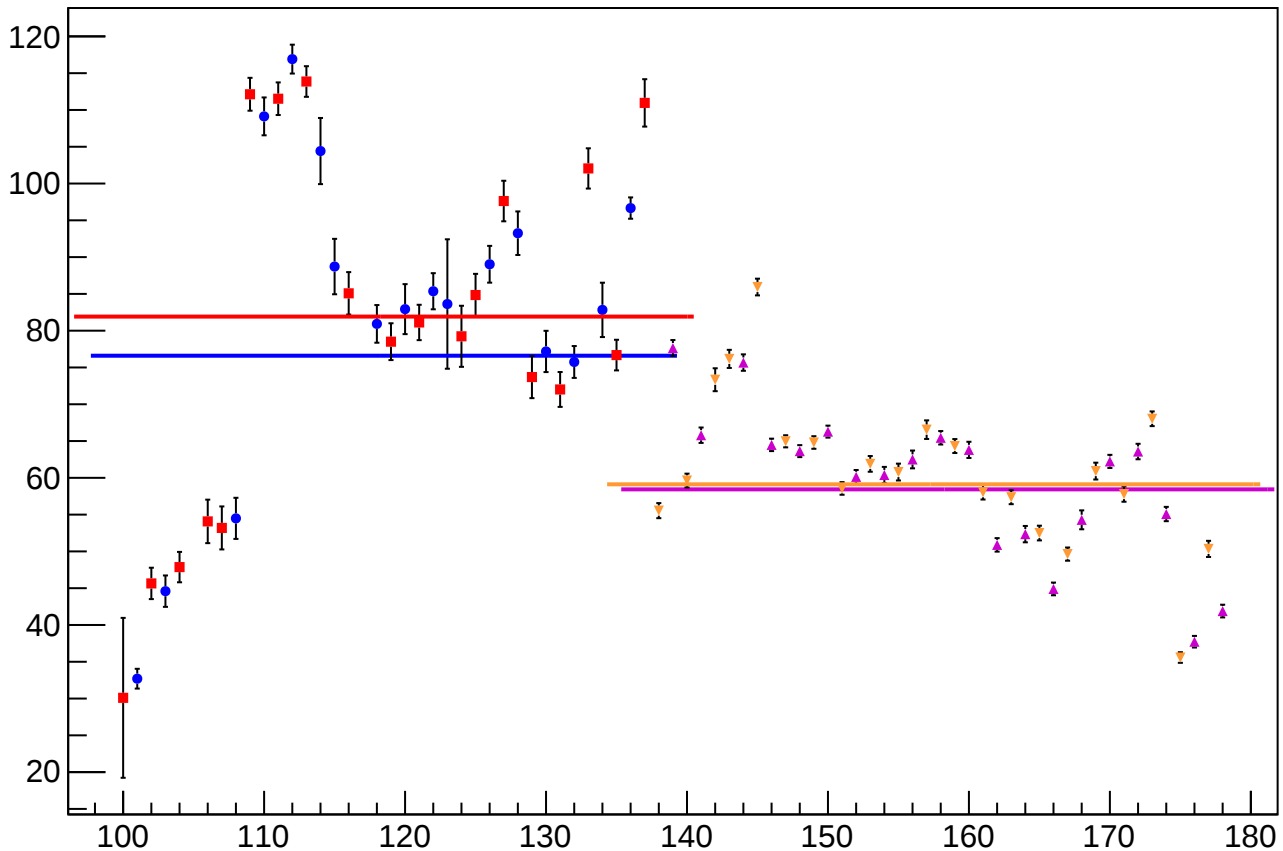
Left In: 0.225 ± 0.160 χ^2/NDF : 636.6/19

+ sign 0.844 ± 0.141 χ^2/NDF : 1041.4/37

All: 0.871 ± 0.100 χ^2/NDF : 2039.3/76

- sign 0.900 ± 0.144 χ^2/NDF : 997.8/38

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 ± 0.576 $\chi^2/\text{NDF}: 2255.1/16$

Left Out: 59.118 ± 0.217 $\chi^2/\text{NDF}: 2381.3/20$

Right Out: 81.916 ± 0.592 $\chi^2/\text{NDF}: 1570.7/18$

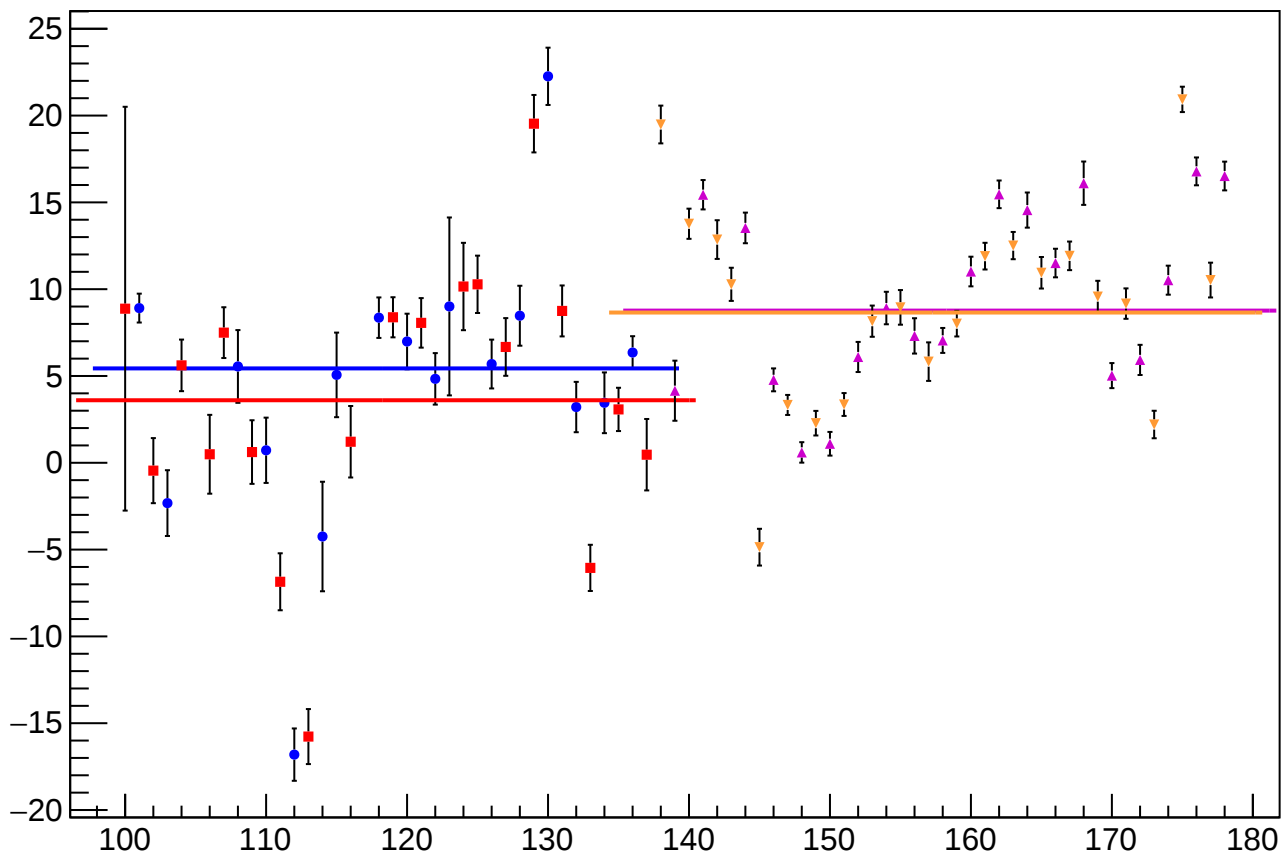
Left In: 58.432 ± 0.214 $\chi^2/\text{NDF}: 2344.7/19$

+ sign 61.282 ± 0.203 $\chi^2/\text{NDF}: 5443.2/37$

All: 61.219 ± 0.143 $\chi^2/\text{NDF}: 10749.7/76$

- sign 61.156 ± 0.202 $\chi^2/\text{NDF}: 5306.3/38$

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 8.655 ± 0.182 $\chi^2/\text{NDF}: 970.0/20$

Right Out: 3.602 ± 0.375 $\chi^2/\text{NDF}: 423.3/18$

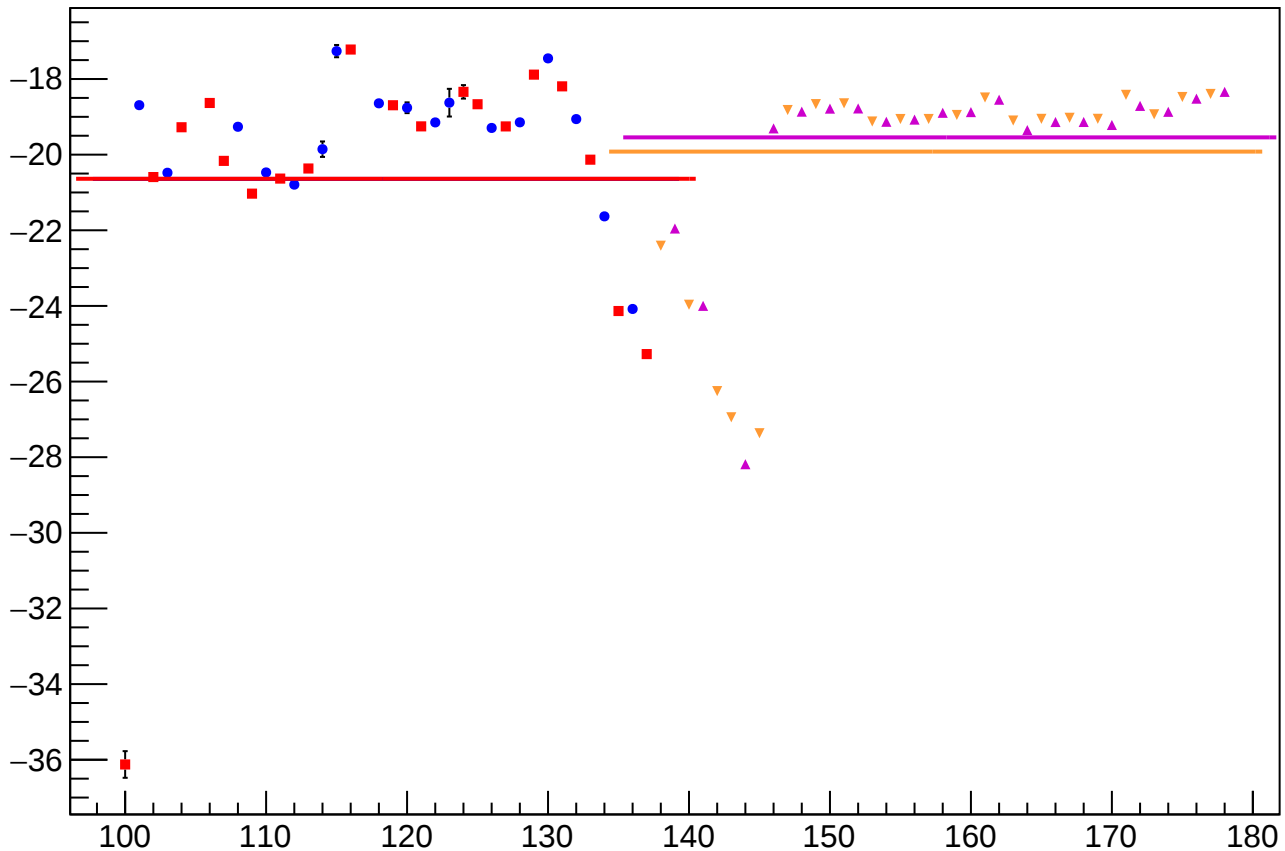
Left In: 8.766 ± 0.184 $\chi^2/\text{NDF}: 856.6/19$

+ sign 8.000 ± 0.163 $\chi^2/\text{NDF}: 1420.8/37$

All: 7.883 ± 0.116 $\chi^2/\text{NDF}: 2854.5/76$

- sign 7.762 ± 0.165 $\chi^2/\text{NDF}: 1432.7/38$

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -19.919 ± 0.009 $\chi^2/\text{NDF}: 85550.6/20$

Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13783.4/18$

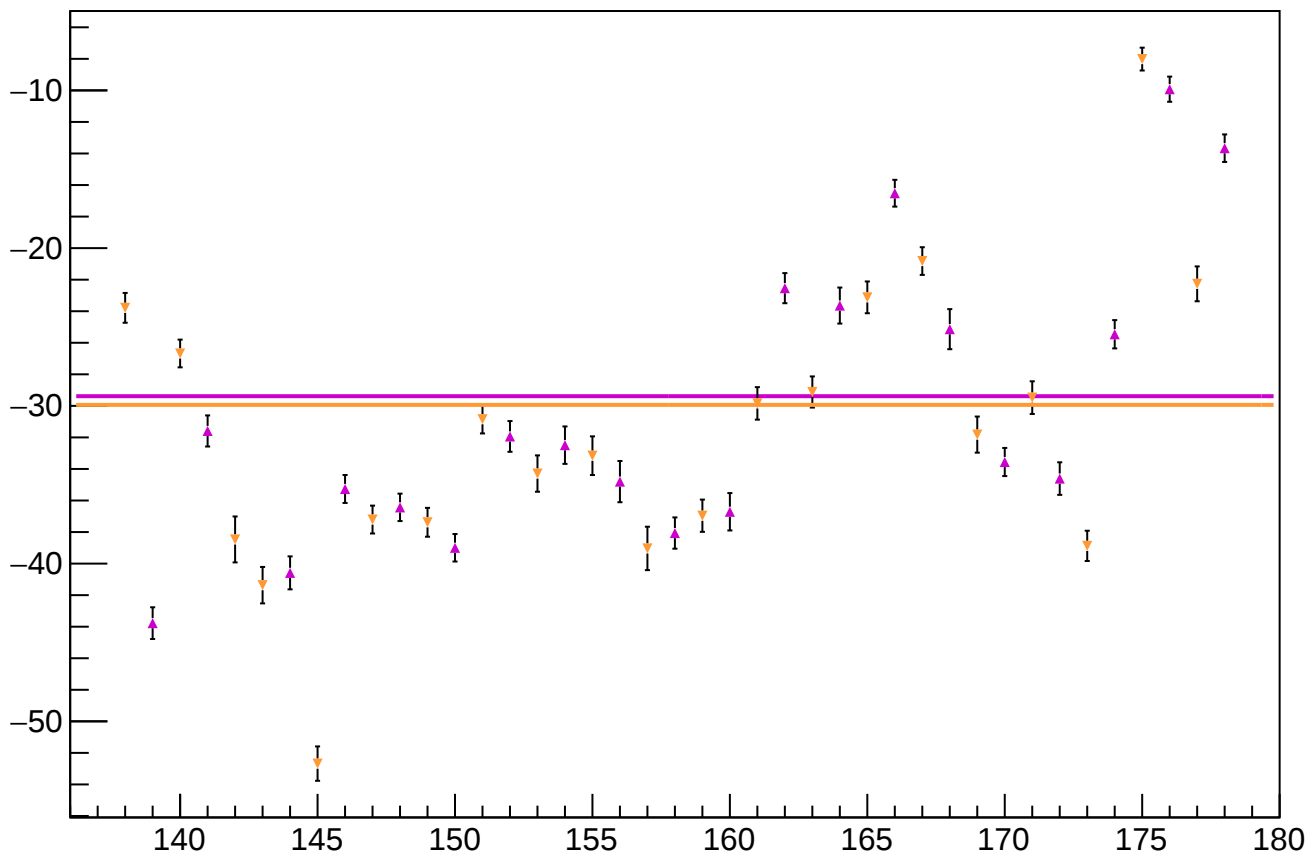
Left In: -19.543 ± 0.009 $\chi^2/\text{NDF}: 52135.1/19$

+ sign -20.040 ± 0.008 $\chi^2/\text{NDF}: 99146.2/37$

All: -19.879 ± 0.006 $\chi^2/\text{NDF}: 168542.6/76$

- sign -19.721 ± 0.008 $\chi^2/\text{NDF}: 68572.2/38$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -29.938+/-0.219 χ^2/NDF : 2081.1/20

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

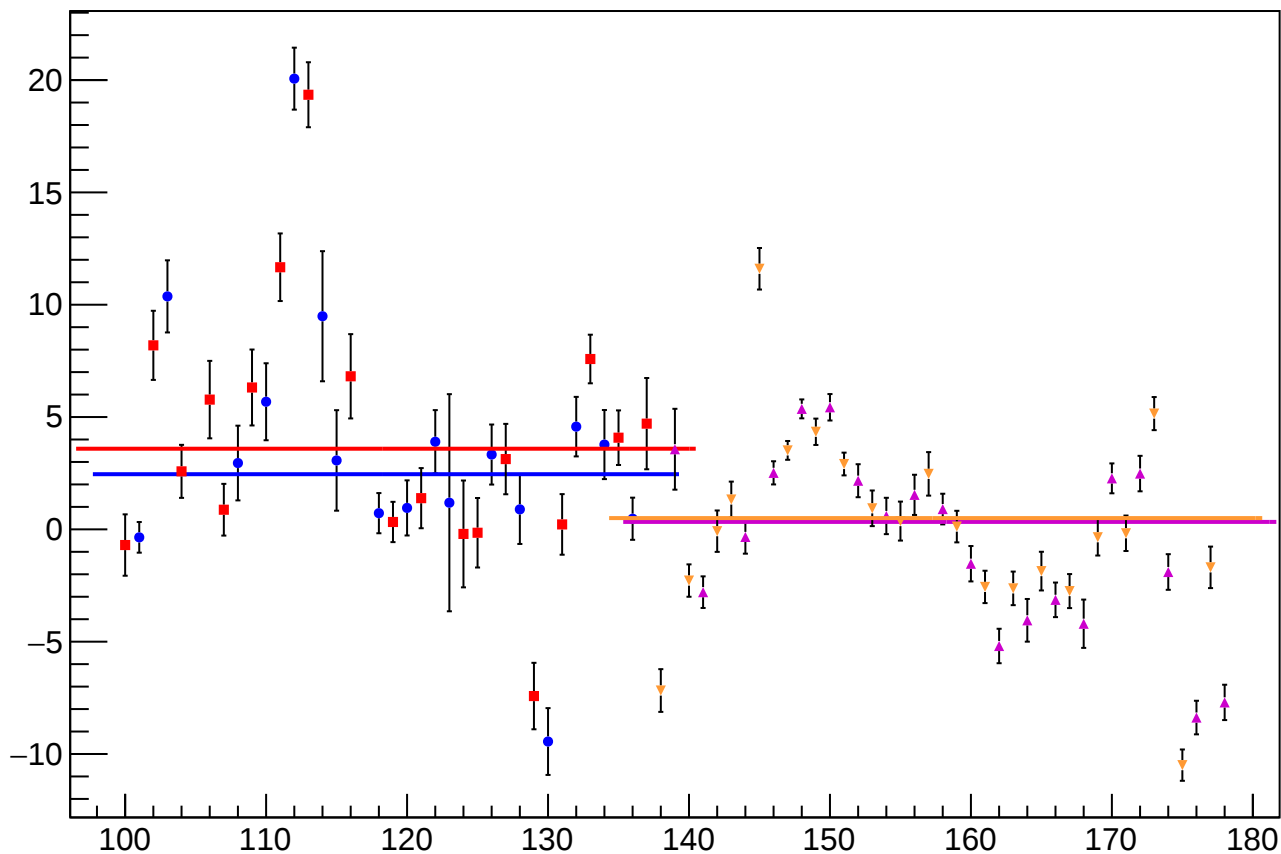
Left In: -29.387+/-0.218 χ^2/NDF : 2005.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -29.661+/-0.154 χ^2/NDF : 4089.9/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 $\chi^2/\text{NDF}: 293.5/16$

Left Out: 0.502 ± 0.157 $\chi^2/\text{NDF}: 705.4/20$

Right Out: 3.590 ± 0.318 $\chi^2/\text{NDF}: 279.8/18$

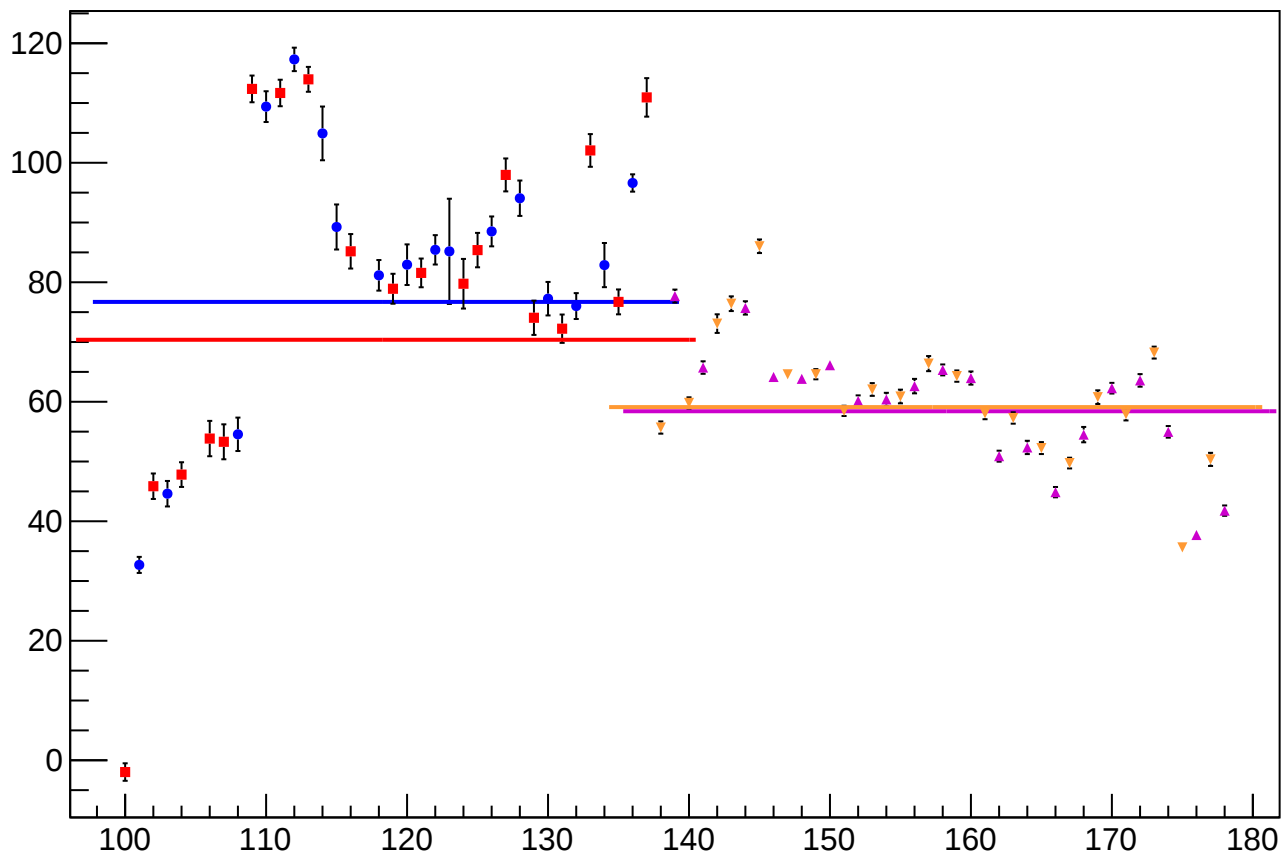
Left In: 0.332 ± 0.160 $\chi^2/\text{NDF}: 648.9/19$

+ sign 0.892 ± 0.141 $\chi^2/\text{NDF}: 1029.7/37$

All: 0.941 ± 0.100 $\chi^2/\text{NDF}: 2042.6/76$

- sign 0.991 ± 0.143 $\chi^2/\text{NDF}: 1012.6/38$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 59.108 $\pm$ 0.217 χ^2 /NDF: 2374.5/20

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

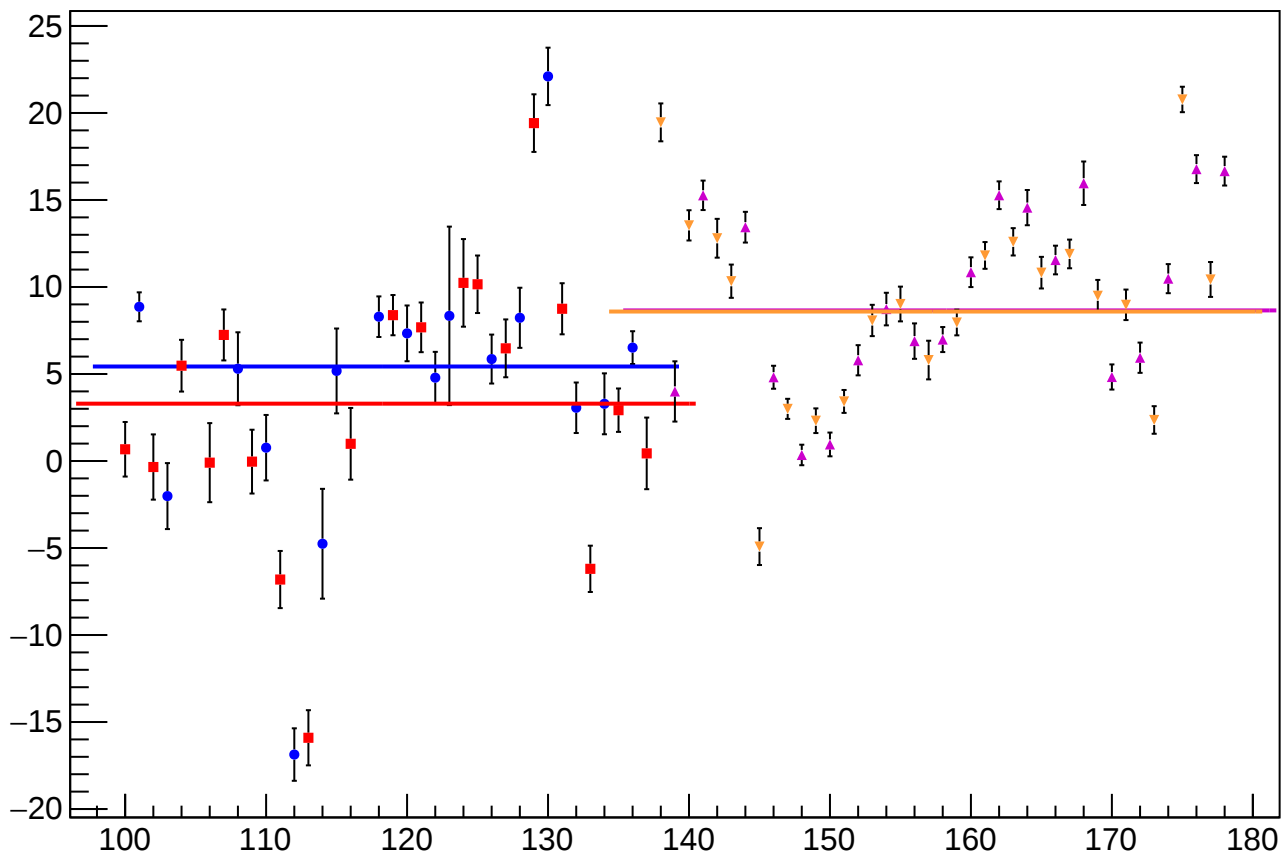
Left In: 58.413 $\pm$ 0.215 χ^2 /NDF: 2345.0/19

+ sign 61.288 $\pm$ 0.203 χ^2 /NDF: 5458.6/37

All: 60.632 $\pm$ 0.142 χ^2 /NDF: 12625.7/76

- sign 59.994 $\pm$ 0.200 χ^2 /NDF: 7146.5/38

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 8.589 ± 0.182 χ^2/NDF : 963.9/20

Right Out: 3.295 ± 0.365 χ^2/NDF : 426.1/18

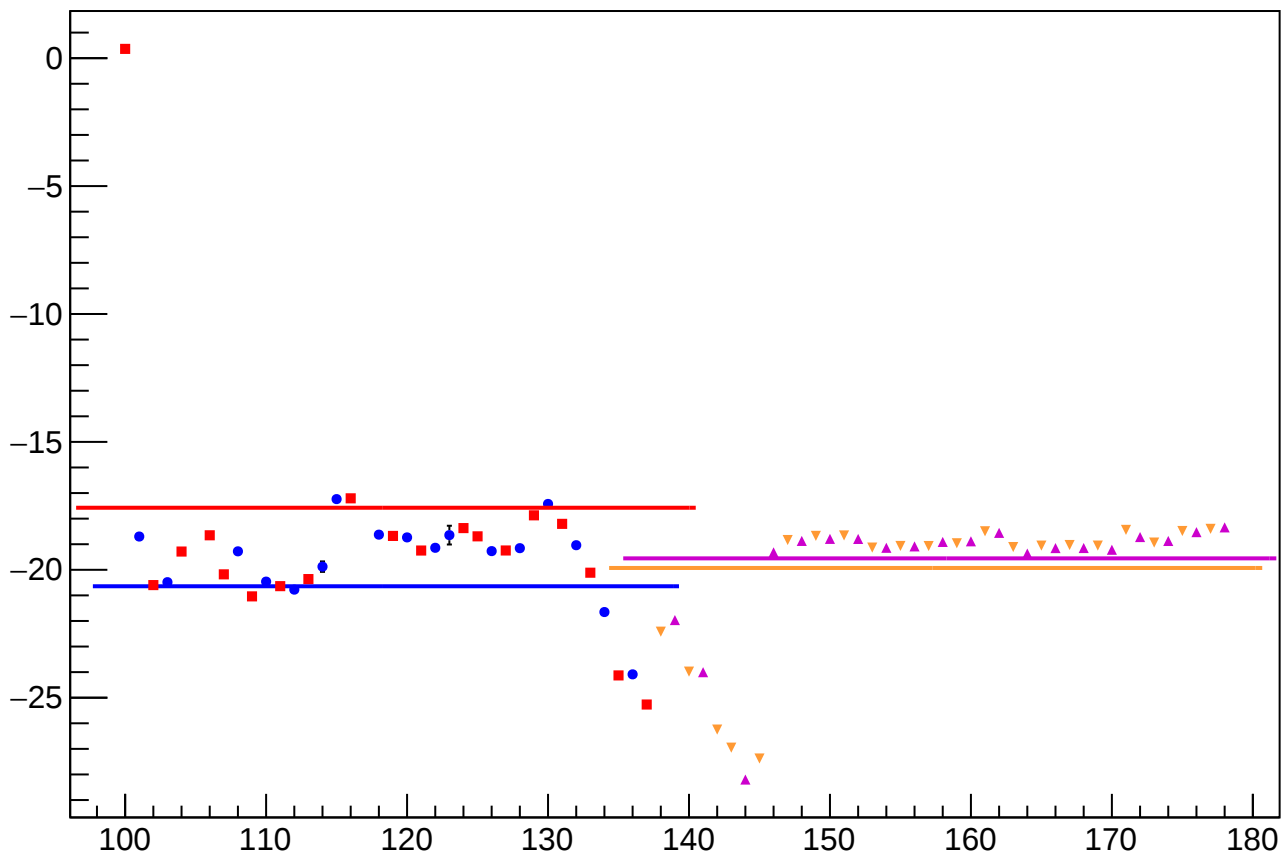
Left In: 8.654 ± 0.184 χ^2/NDF : 871.1/19

+ sign 7.947 ± 0.163 χ^2/NDF : 1411.0/37

All: 7.758 ± 0.116 χ^2/NDF : 2882.6/76

- sign 7.565 ± 0.165 χ^2/NDF : 1468.9/38

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 χ^2/NDF : 12468.6/16

Left Out: -19.928 ± 0.009 χ^2/NDF : 85409.7/20

Right Out: -17.574 ± 0.018 χ^2/NDF : 178327.0/18

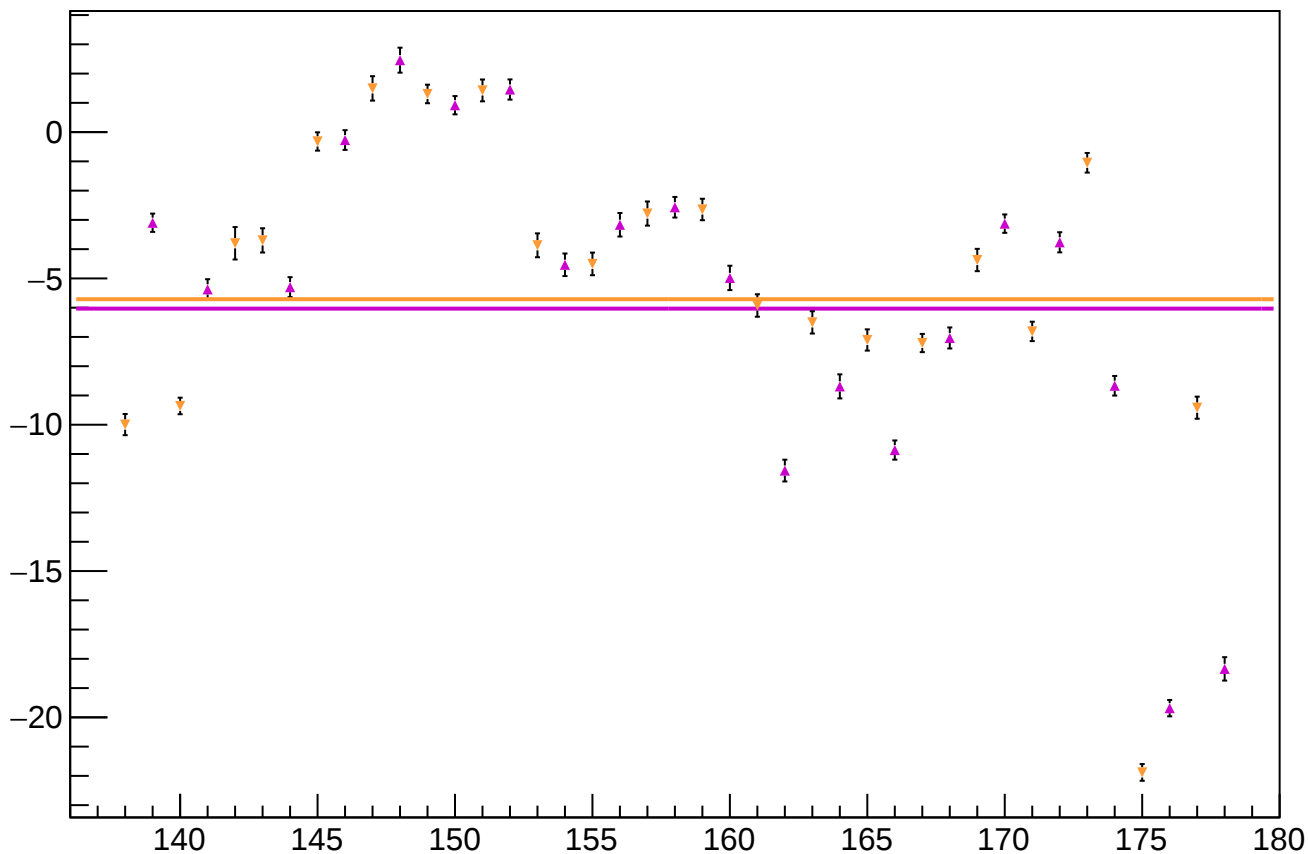
Left In: -19.553 ± 0.009 χ^2/NDF : 52088.6/19

+ sign -20.047 ± 0.008 χ^2/NDF : 99017.2/37

All: -19.609 ± 0.006 χ^2/NDF : 345292.4/76

- sign -19.189 ± 0.008 χ^2/NDF : 240243.4/38

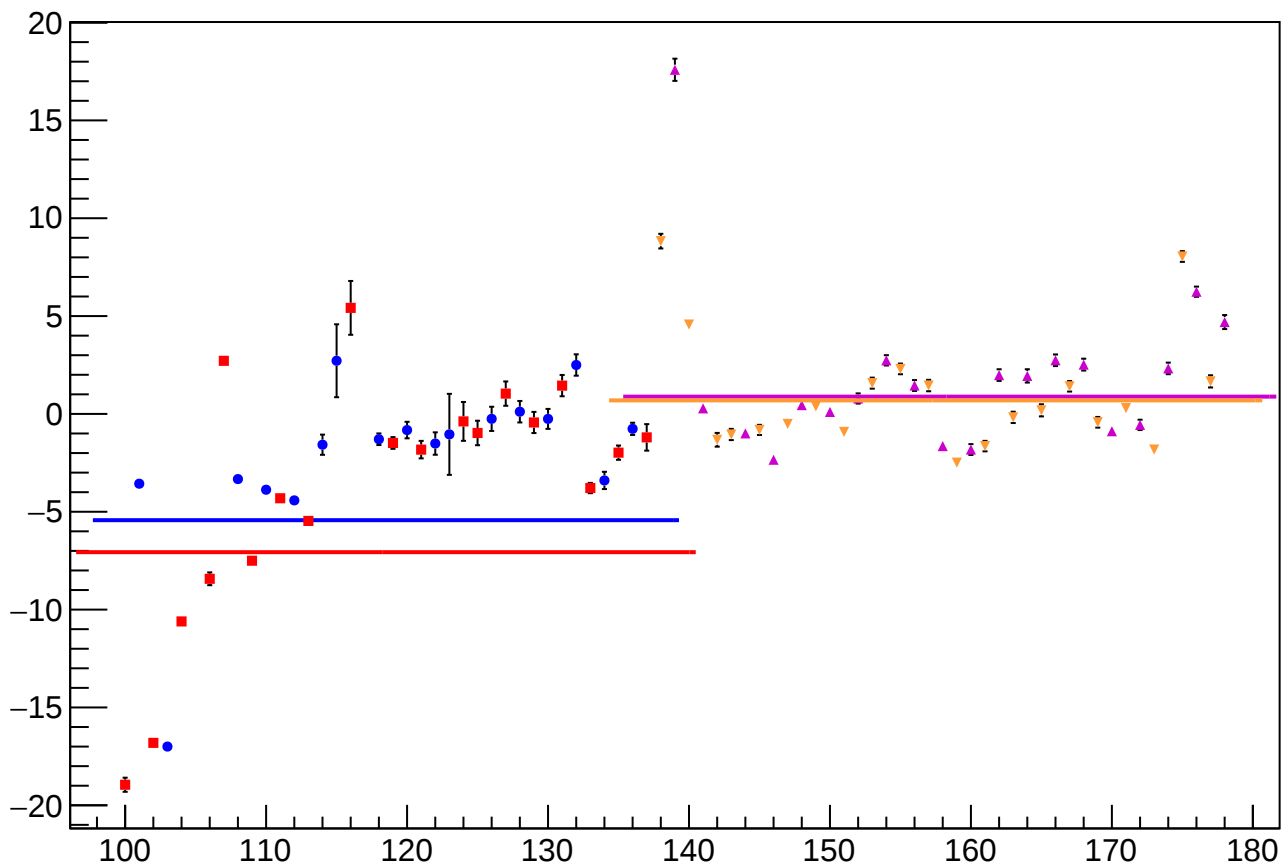
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -5.710 ± 0.078 χ^2/NDF : 5500.6/20
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -6.032 ± 0.078 χ^2/NDF : 5931.4/19

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: -5.871 ± 0.055 χ^2/NDF : 11440.5/40
 - 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 χ^2/NDF : 9233.8/16

Left Out: 0.692 ± 0.058 χ^2/NDF : 2082.5/20

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

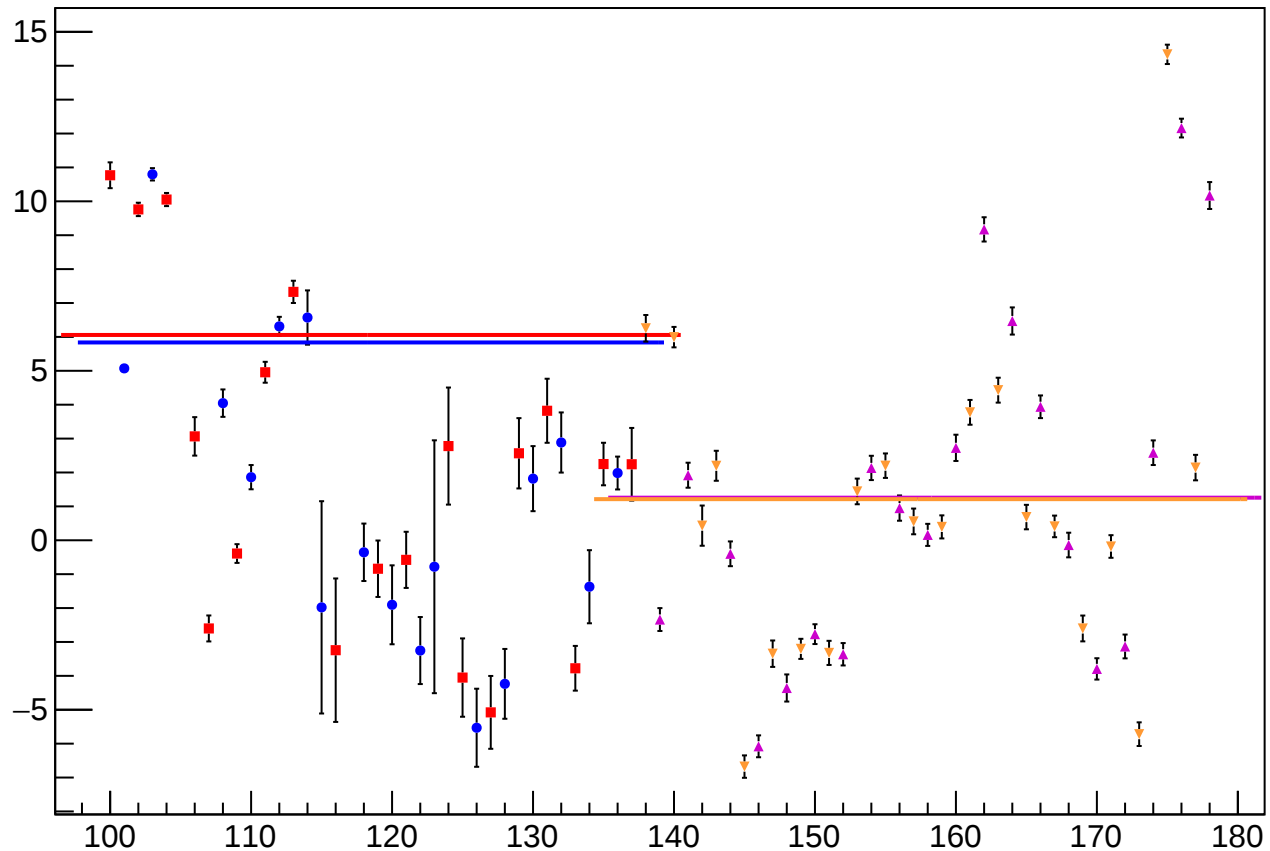
Left In: 0.884 ± 0.059 χ^2/NDF : 2174.3/19

+ sign -2.524 ± 0.040 χ^2/NDF : 17227.5/37

All: -2.805 ± 0.029 χ^2/NDF : 40823.4/76

- sign -3.117 ± 0.042 χ^2/NDF : 23490.6/38

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: 1.213 $\pm$ 0.077 χ^2 /NDF: 4294.5/20

Right Out: 6.057 $\pm$ 0.093 χ^2 /NDF: 2668.9/18

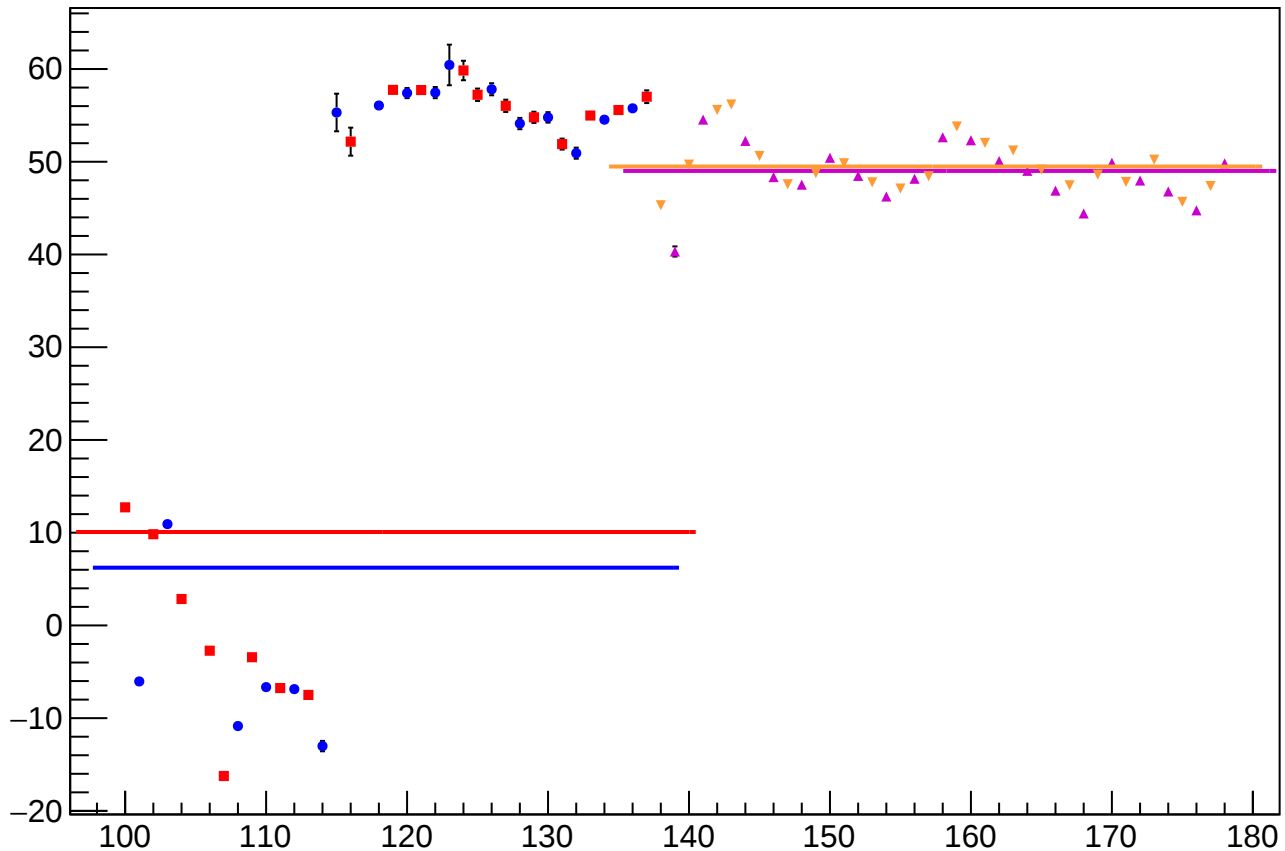
Left In: 1.257 $\pm$ 0.077 χ^2 /NDF: 4489.0/19

+ sign 3.190 $\pm$ 0.059 χ^2 /NDF: 7257.1/37

All: 3.201 $\pm$ 0.042 χ^2 /NDF: 15983.5/76

- sign 3.212 $\pm$ 0.060 χ^2 /NDF: 8726.3/38

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 49.485 ± 0.066 χ^2/NDF : 1538.0/20

Right Out: 10.075 ± 0.070 χ^2/NDF : 122049.3/18

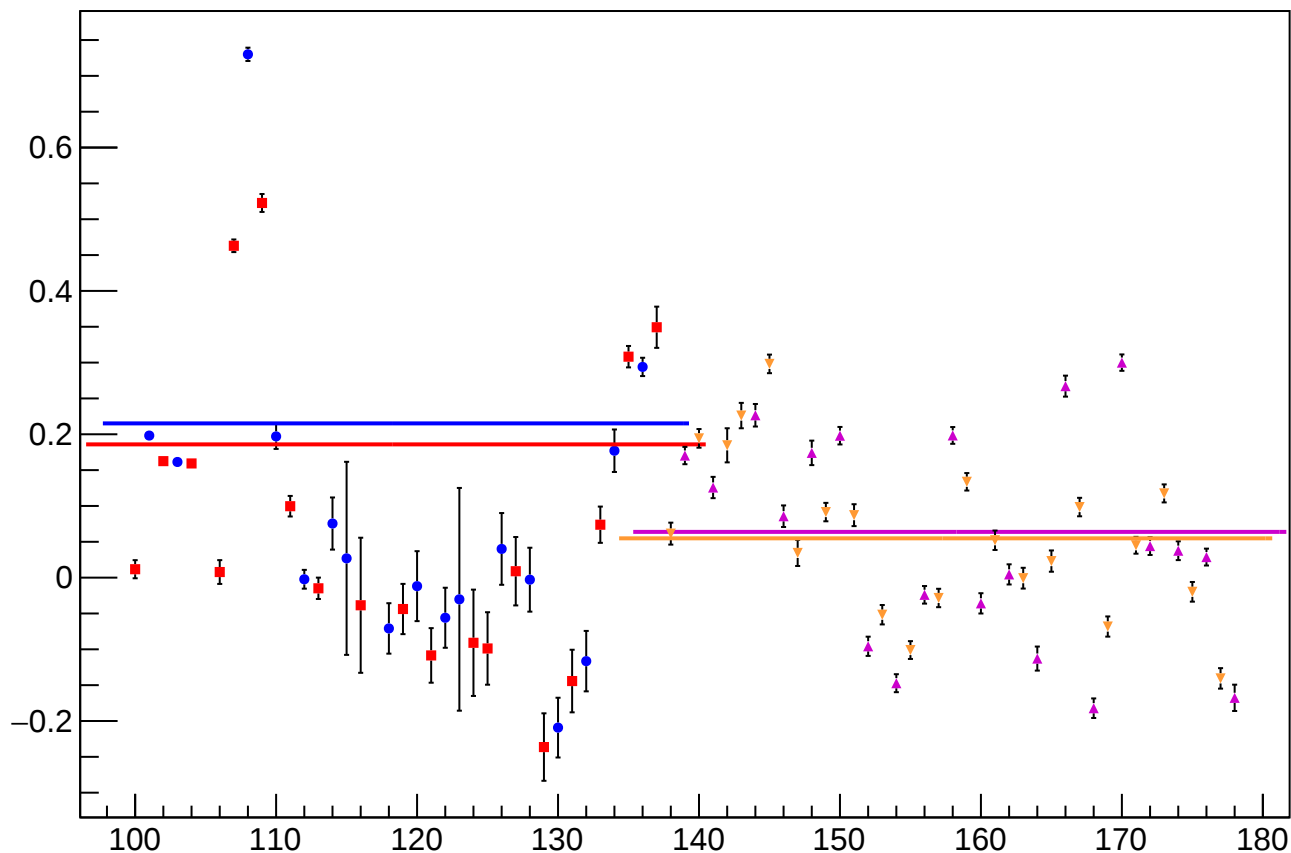
Left In: 49.009 ± 0.067 χ^2/NDF : 1738.9/19

+ sign 27.462 ± 0.046 χ^2/NDF : 341069.8/37

All: 28.772 ± 0.033 χ^2/NDF : 627738.4/76

- sign 30.210 ± 0.048 χ^2/NDF : 284986.0/38

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: 0.055 $\pm$ 0.003 χ^2 /NDF:1257.3/20

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

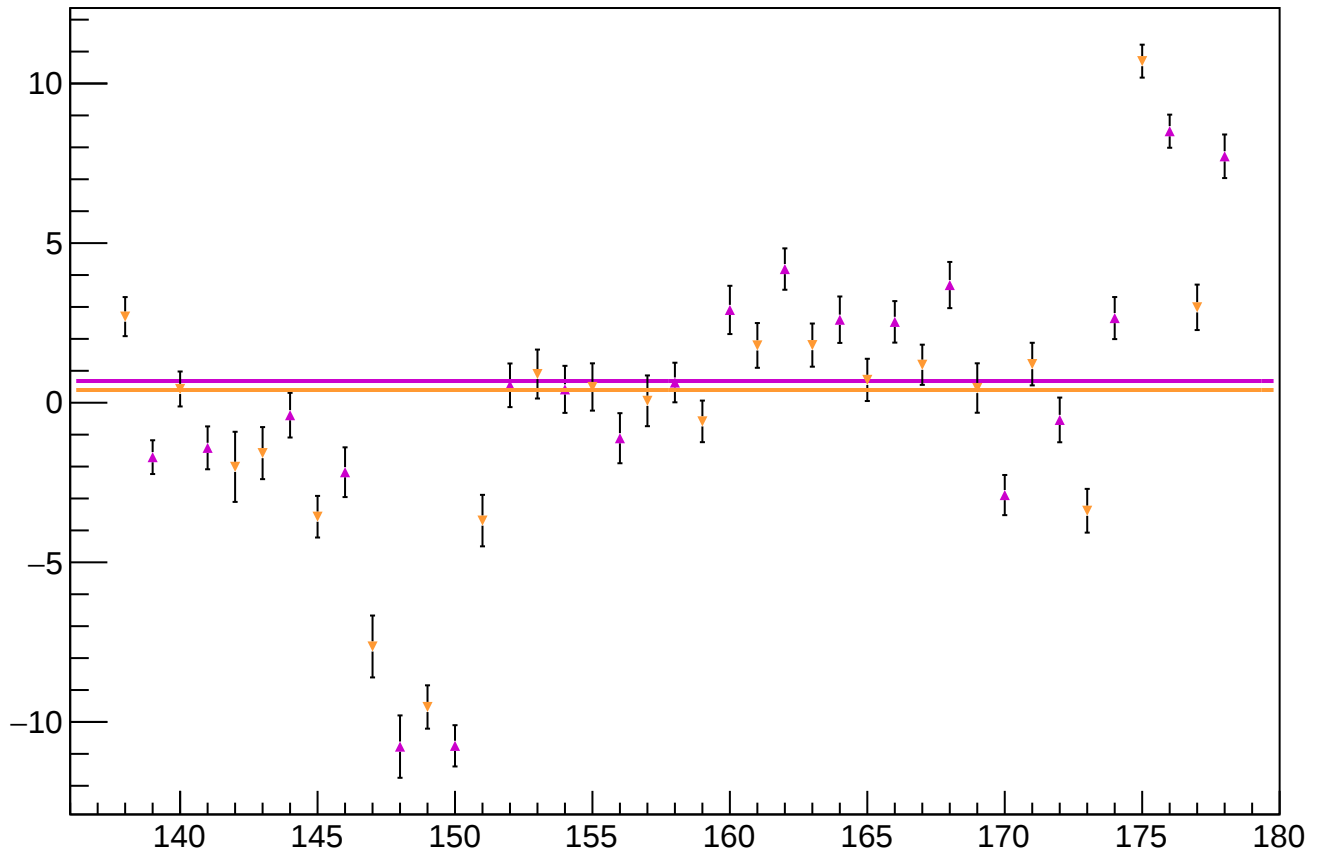
Left In: 0.064 $\pm$ 0.003 χ^2 /NDF:2272.3/19

+ sign 0.142 $\pm$ 0.002 χ^2 /NDF: 6708.3/37

All: 0.137 $\pm$ 0.001 χ^2 /NDF: 12623.2/76

- sign 0.132 $\pm$ 0.002 χ^2 /NDF: 5902.0/38

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: 0.399 $\pm$ 0.151 χ^2 /NDF:826.6/20

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

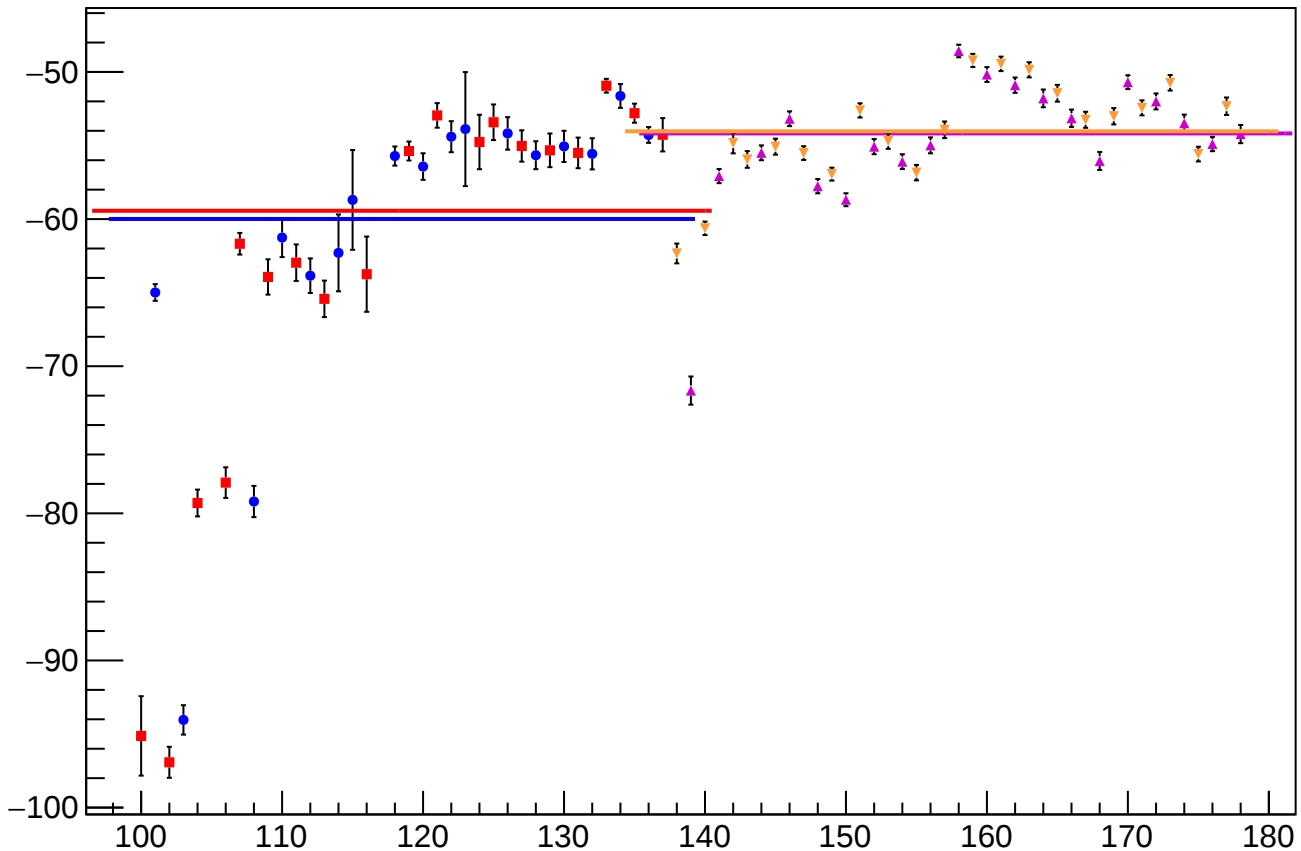
Left In: 0.680 $\pm$ 0.150 χ^2 /NDF:949.5/19

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

All: 0.540 $\pm$ 0.107 χ^2 /NDF: 1777.8/40

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

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 +/- 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.034 +/- 0.114 χ^2/NDF : 828.4/20

Right Out: -59.435 +/- 0.212 χ^2/NDF : 2917.9/18

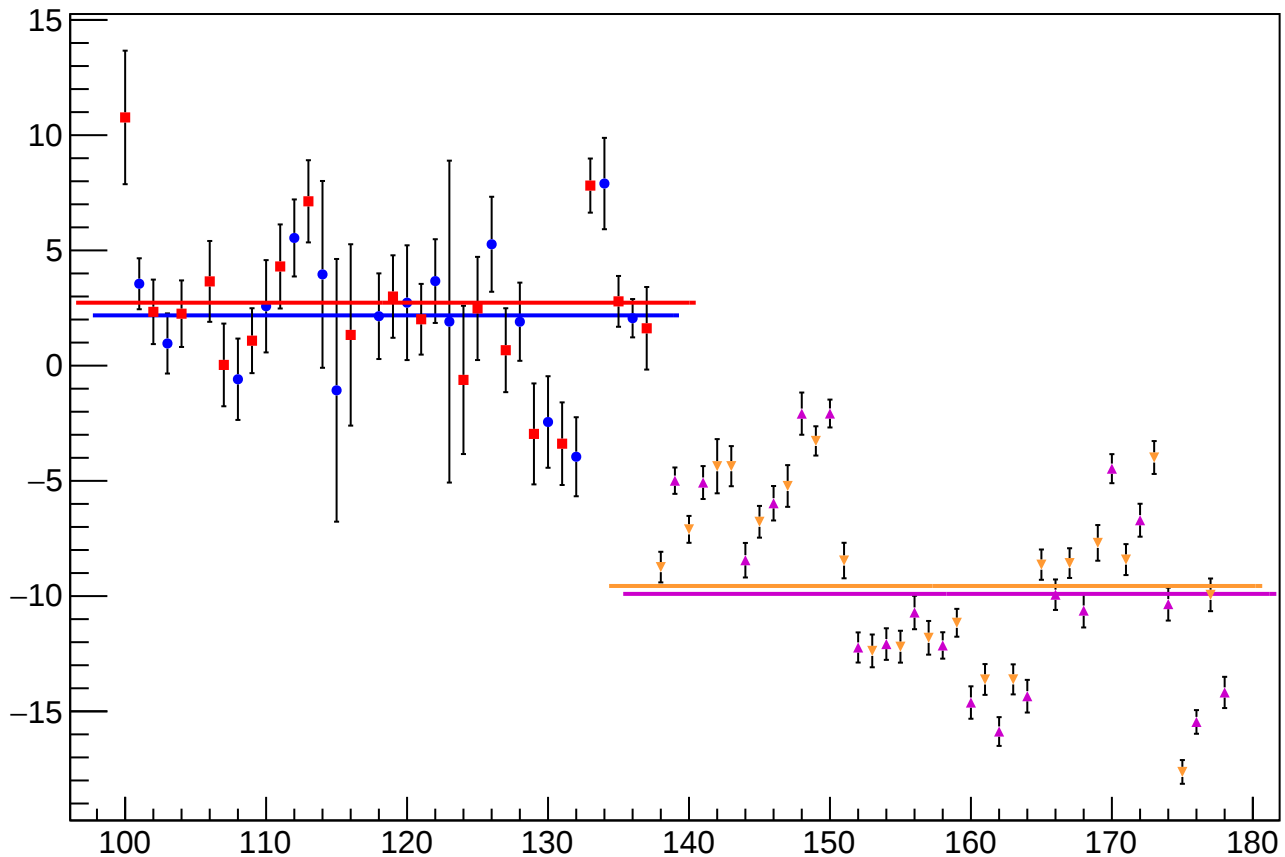
Left In: -54.179 +/- 0.117 χ^2/NDF : 934.6/19

+ sign -55.256 +/- 0.102 χ^2/NDF : 3358.9/37

All: -55.333 +/- 0.072 χ^2/NDF : 7683.4/76

- sign -55.411 +/- 0.103 χ^2/NDF : 4323.3/38

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -9.561 ± 0.150 $\chi^2/\text{NDF}: 655.9/20$

Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -9.904 ± 0.149 $\chi^2/\text{NDF}: 858.9/19$

+ sign -8.145 ± 0.141 $\chi^2/\text{NDF}: 1431.8/37$

All: -8.214 ± 0.099 $\chi^2/\text{NDF}: 3274.4/76$

- sign -8.280 ± 0.139 $\chi^2/\text{NDF}: 1842.1/38$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -38.290 ± 0.129 $\chi^2/\text{NDF}: 865.1/20$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

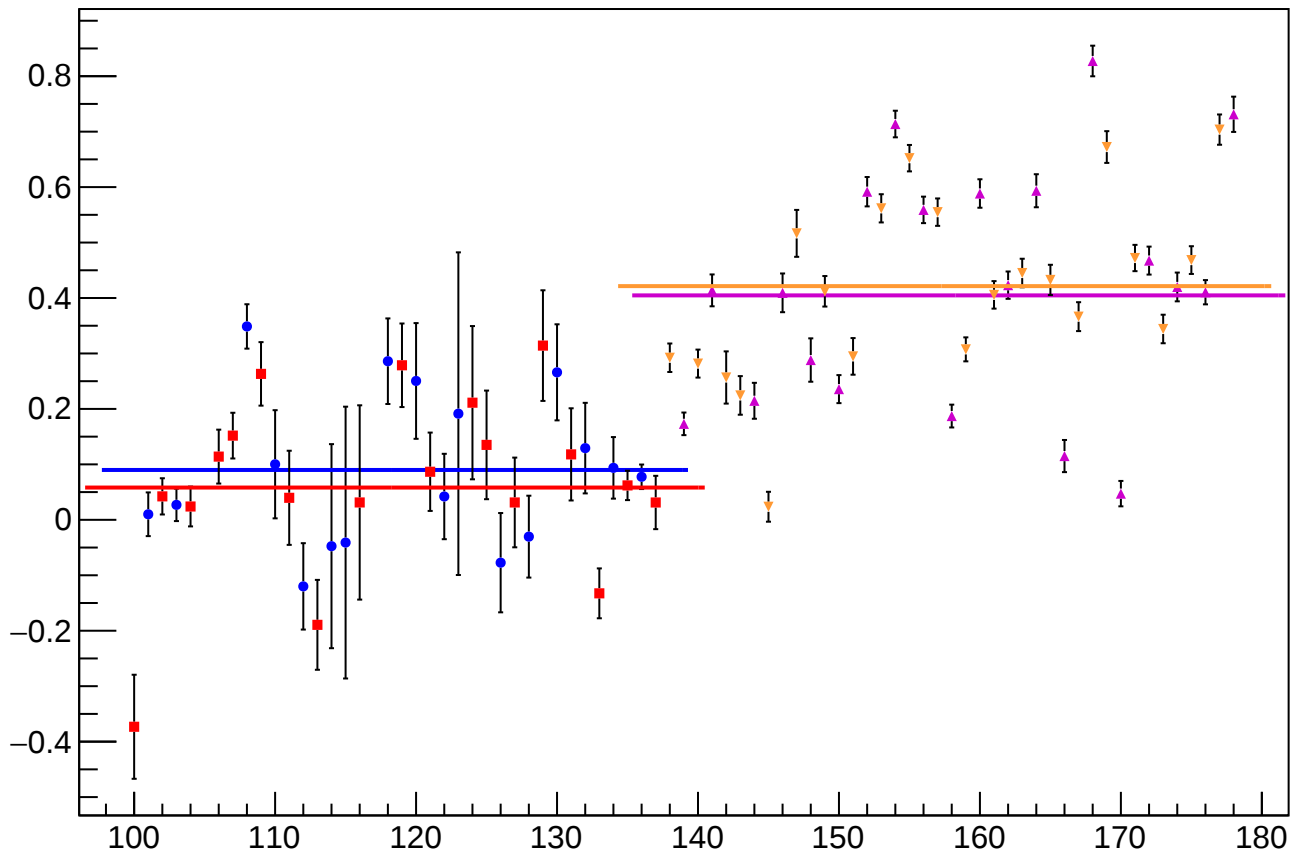
Left In: -37.855 ± 0.131 $\chi^2/\text{NDF}: 1031.8/19$

+ sign -37.148 ± 0.115 $\chi^2/\text{NDF}: 5894.8/37$

All: -36.902 ± 0.082 $\chi^2/\text{NDF}: 13351.1/76$

- sign -36.655 ± 0.116 $\chi^2/\text{NDF}: 7447.2/38$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.421 $\pm$ 0.006 χ^2 /NDF: 725.4/20

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.1/18

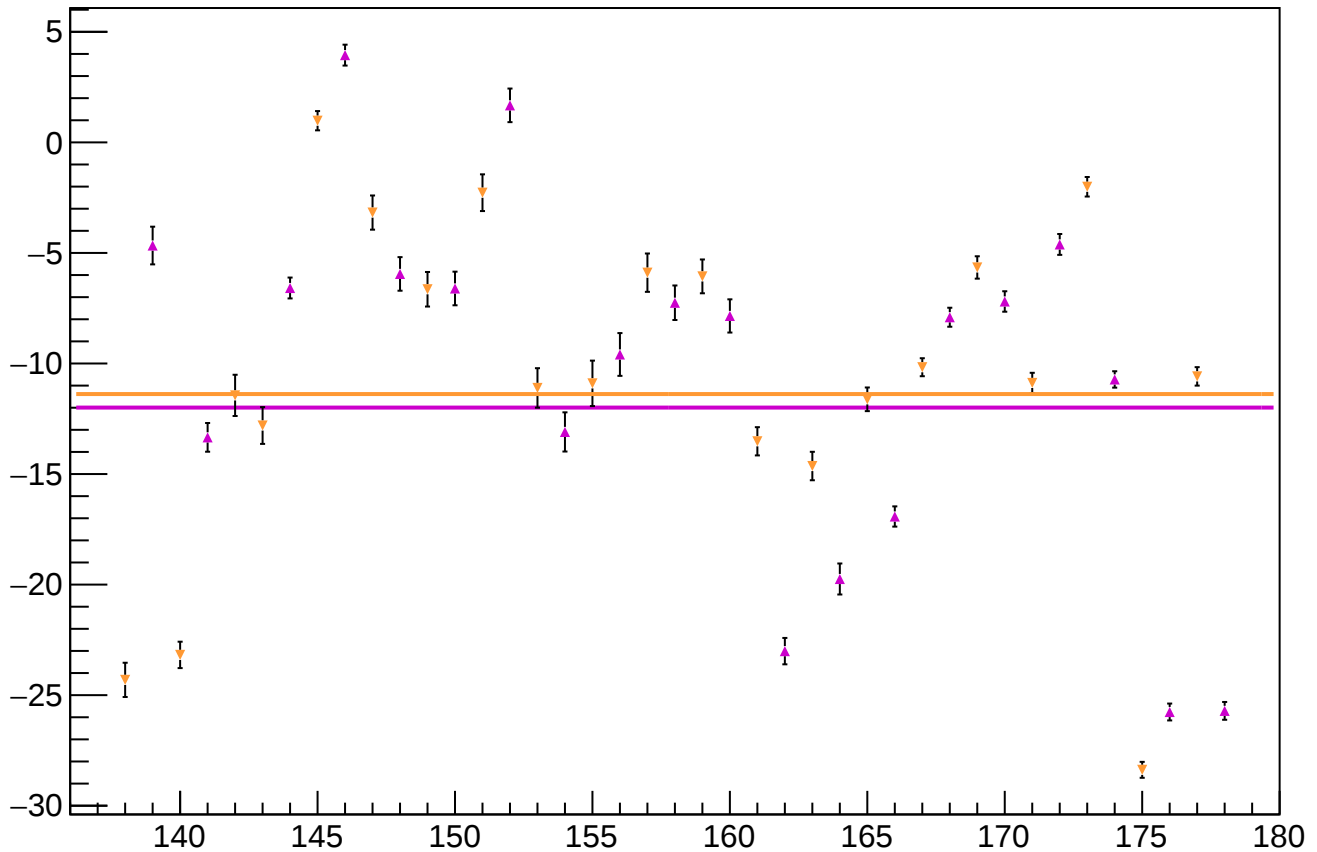
Left In: 0.405 $\pm$ 0.006 χ^2 /NDF: 1368.4/19

+ sign 0.363 $\pm$ 0.005 χ^2 /NDF: 1362.4/37

All: 0.352 $\pm$ 0.004 χ^2 /NDF: 3487.9/76

- sign 0.341 $\pm$ 0.005 χ^2 /NDF: 2116.2/38

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -11.382 ± 0.125 χ^2/NDF : 4688.7/20

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

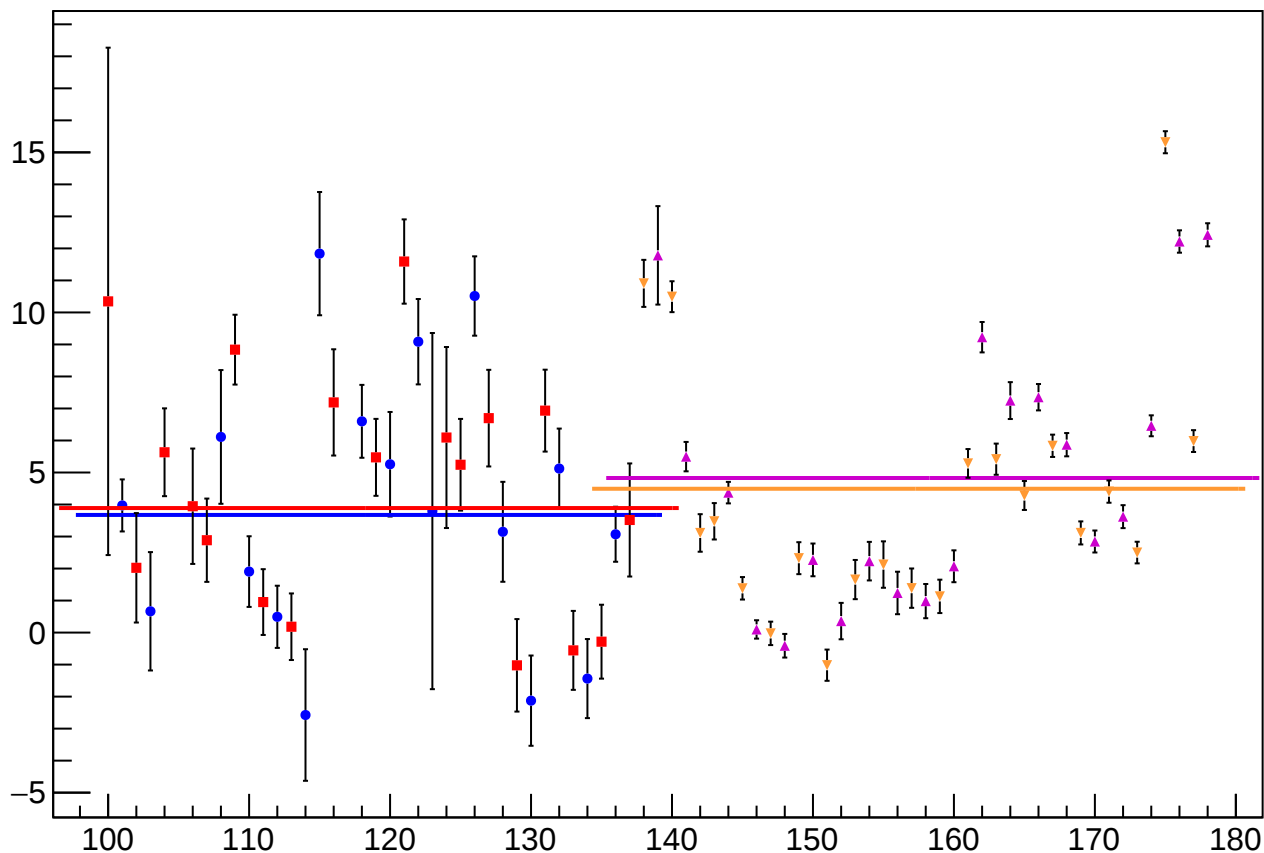
Left In: -11.994 ± 0.121 χ^2/NDF : 5353.8/19

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -11.698 ± 0.087 χ^2/NDF : 10054.9/40

- 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: 4.493 ± 0.095 χ^2/NDF : 1793.5/20

Right Out: 3.890 ± 0.316 χ^2/NDF : 133.7/18

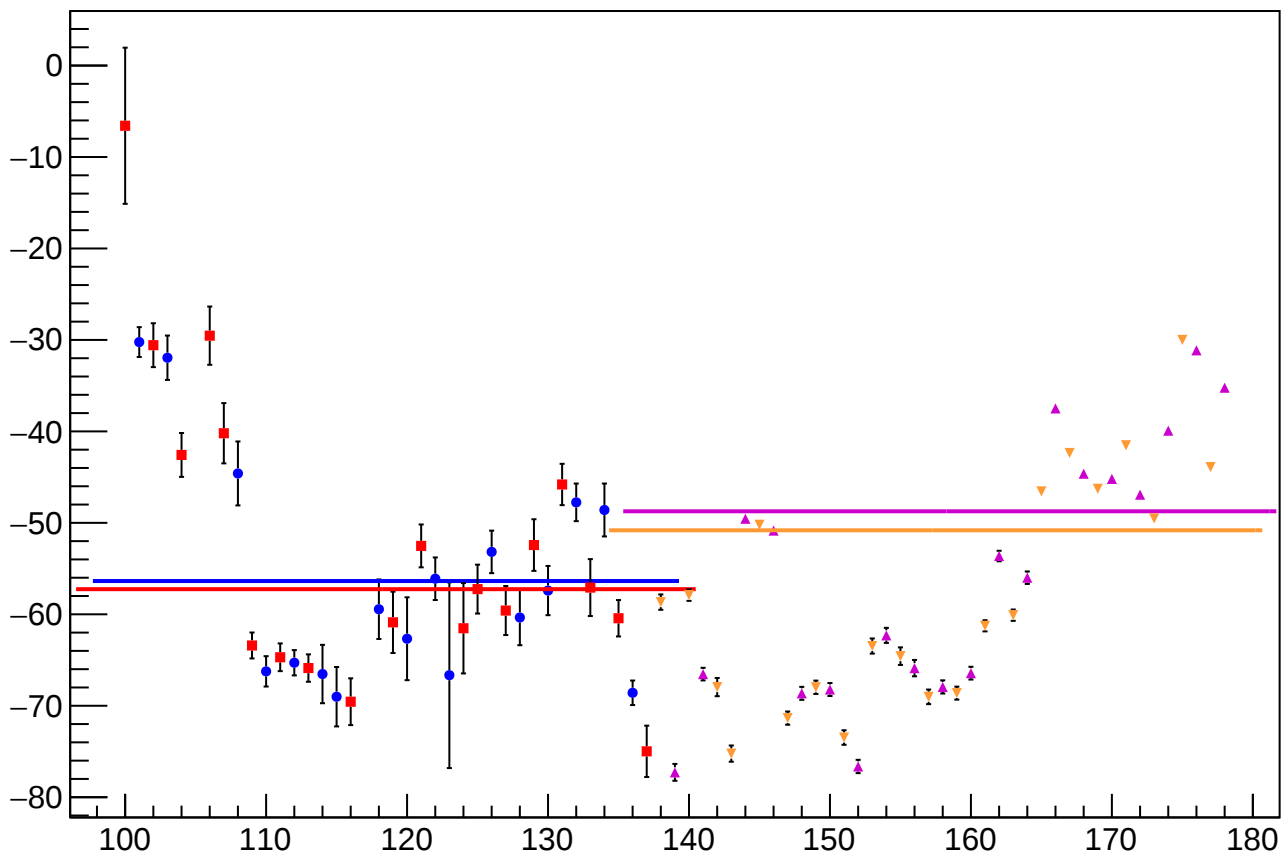
Left In: 4.828 ± 0.093 χ^2/NDF : 1822.9/19

+ sign 4.423 ± 0.091 χ^2/NDF : 1935.0/37

All: 4.591 ± 0.064 χ^2/NDF : 3906.5/76

- sign 4.754 ± 0.089 χ^2/NDF : 1964.8/38

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -50.816 ± 0.125 χ^2/NDF : 10105.7/20

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

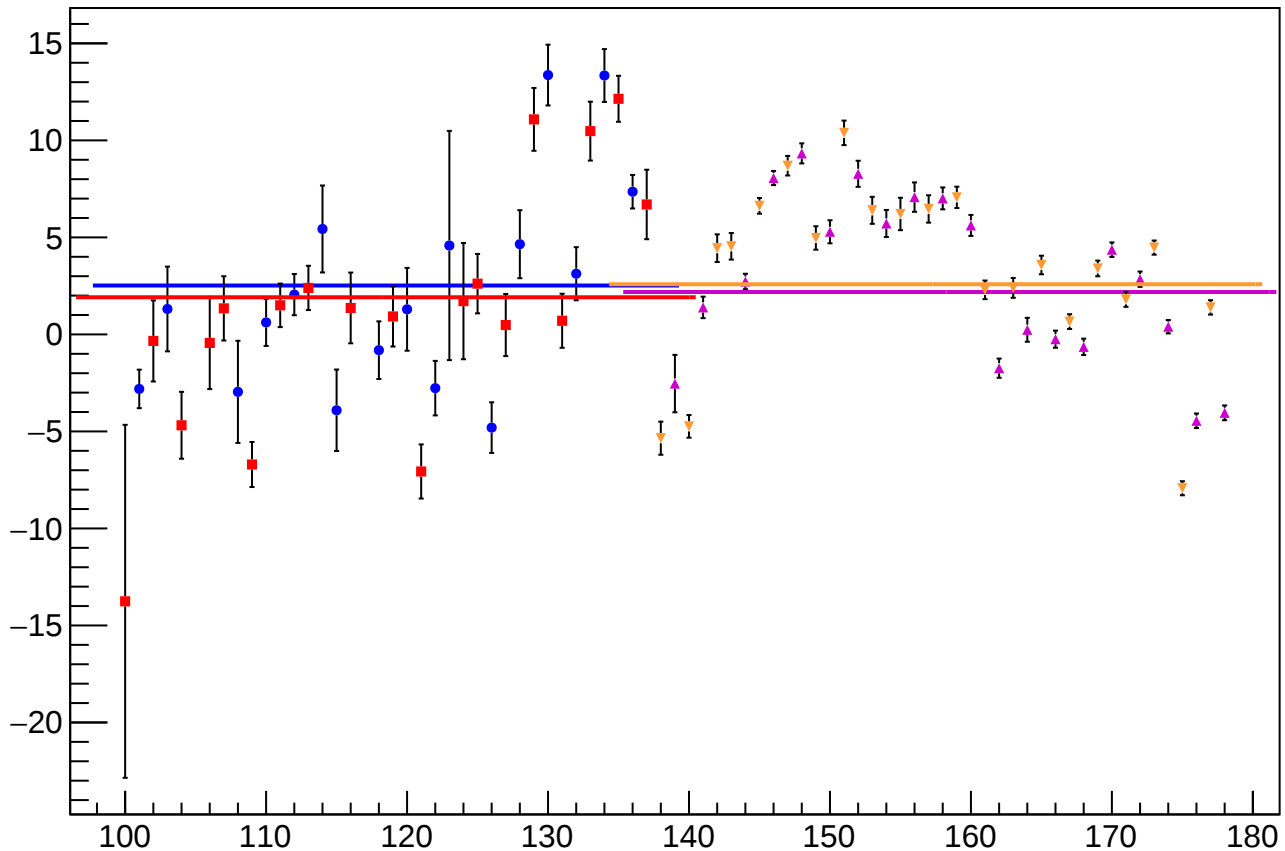
Left In: -48.736 ± 0.121 χ^2/NDF : 11361.6/19

+ sign -51.096 ± 0.122 χ^2/NDF : 10791.8/37

All: -50.092 ± 0.085 χ^2/NDF : 23000.5/76

- sign -49.150 ± 0.118 χ^2/NDF : 12077.7/38

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 2.586 ± 0.107 χ^2/NDF : 1737.9/20

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

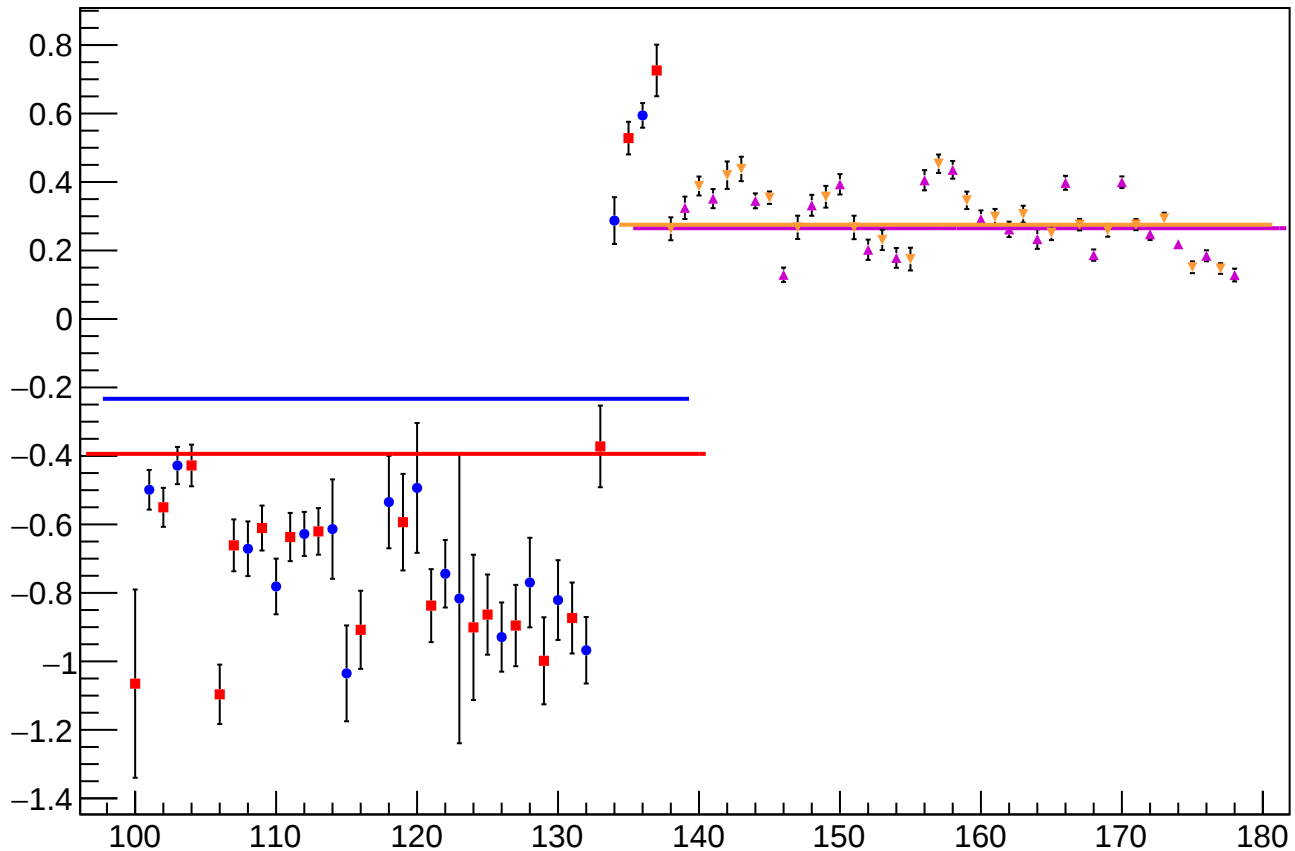
Left In: 2.185 ± 0.105 χ^2/NDF : 1546.9/19

+ sign 2.580 ± 0.102 χ^2/NDF : 1980.3/37

All: 2.369 ± 0.072 χ^2/NDF : 3800.7/76

- sign 2.163 ± 0.101 χ^2/NDF : 1812.0/38

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.275 ± 0.005 χ^2/NDF : 263.8/20

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

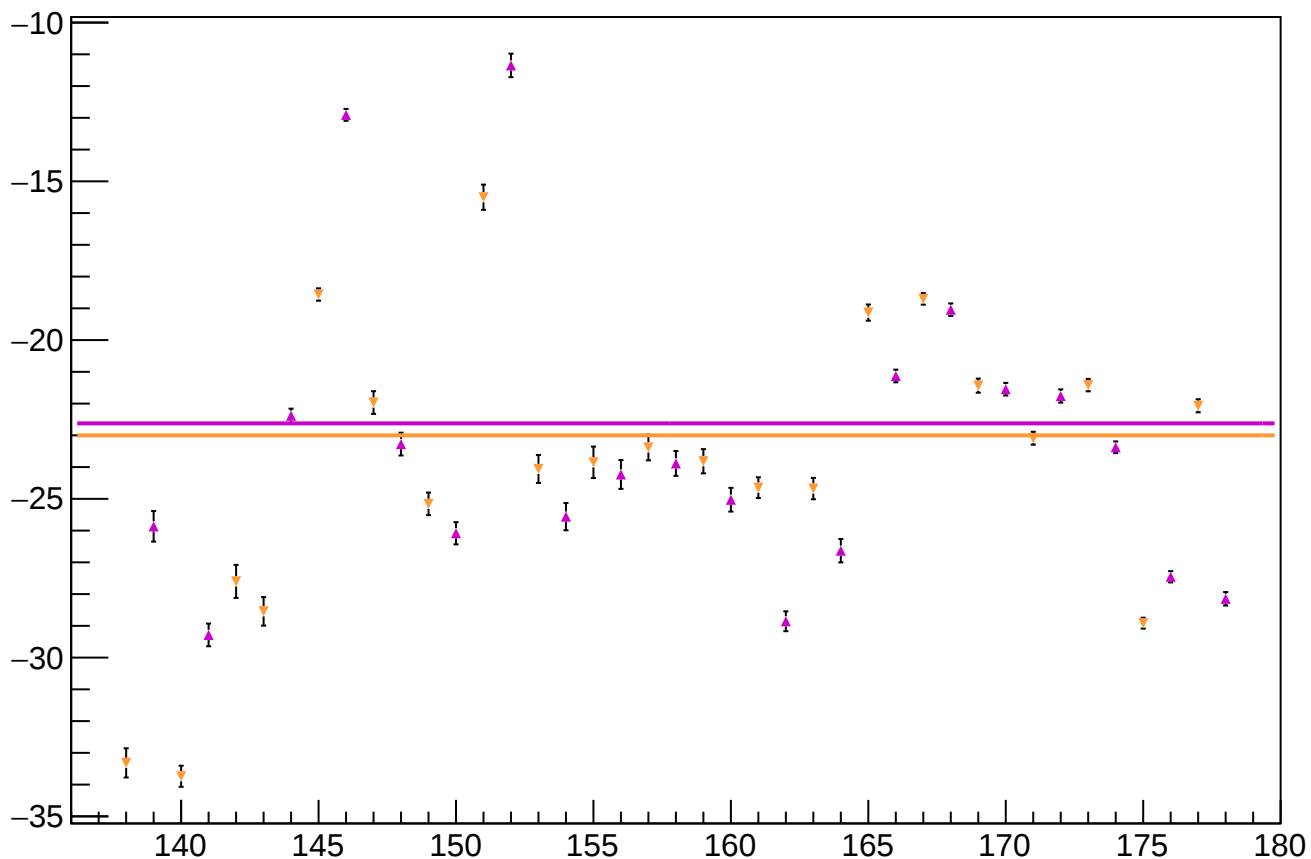
Left In: 0.265 ± 0.005 χ^2/NDF : 390.2/19

+ sign 0.243 ± 0.005 χ^2/NDF : 1897.8/37

All: 0.234 ± 0.003 χ^2/NDF : 4271.7/76

- sign 0.225 ± 0.005 χ^2/NDF : 2366.6/38

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -23.000+/-0.059 χ^2/NDF : 4872.4/20

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

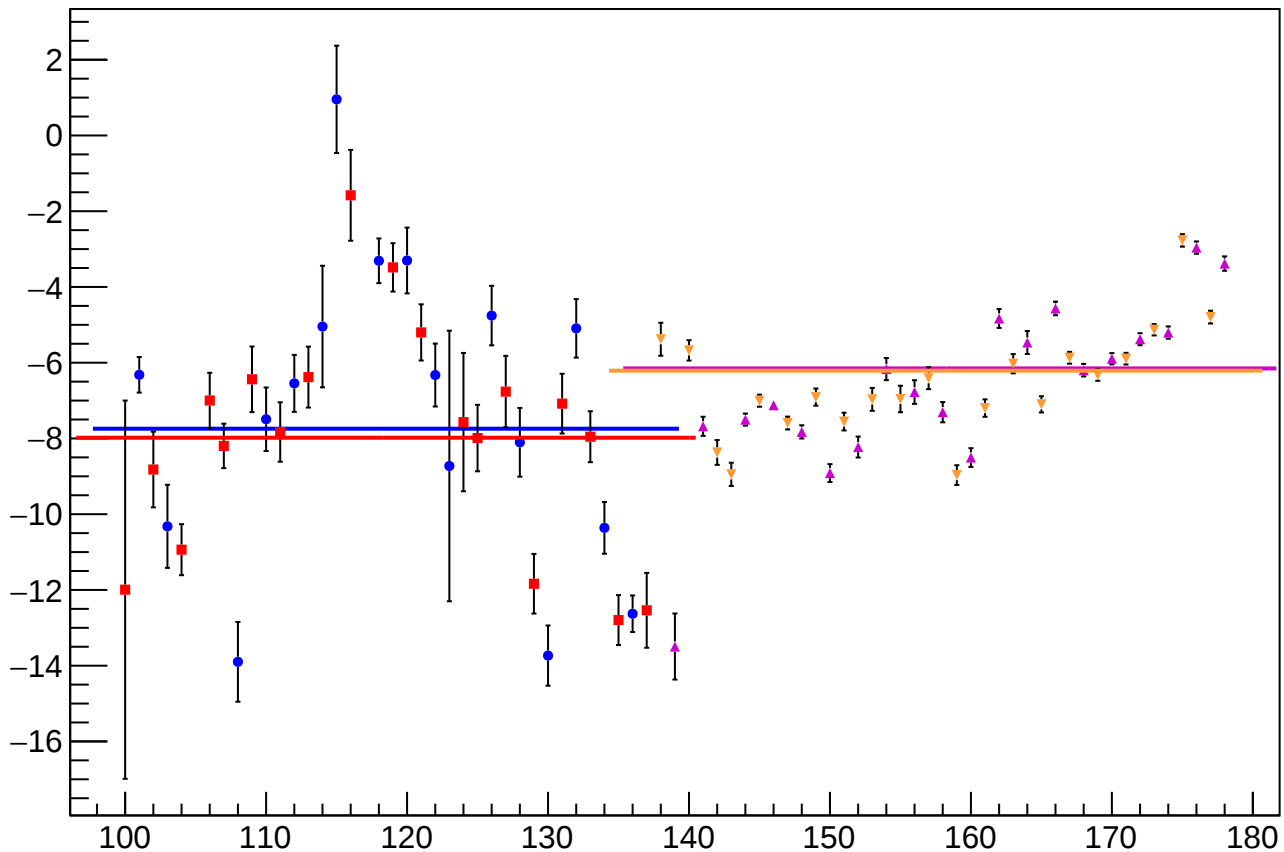
Left In: -22.623+/-0.057 χ^2/NDF : 6604.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -22.805+/-0.041 χ^2/NDF : 11497.6/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743+/-0.187 χ^2/NDF : 377.5/16

Left Out: -6.210+/-0.045 χ^2/NDF : 993.7/20

Right Out: -7.981+/-0.186 χ^2/NDF : 223.5/18

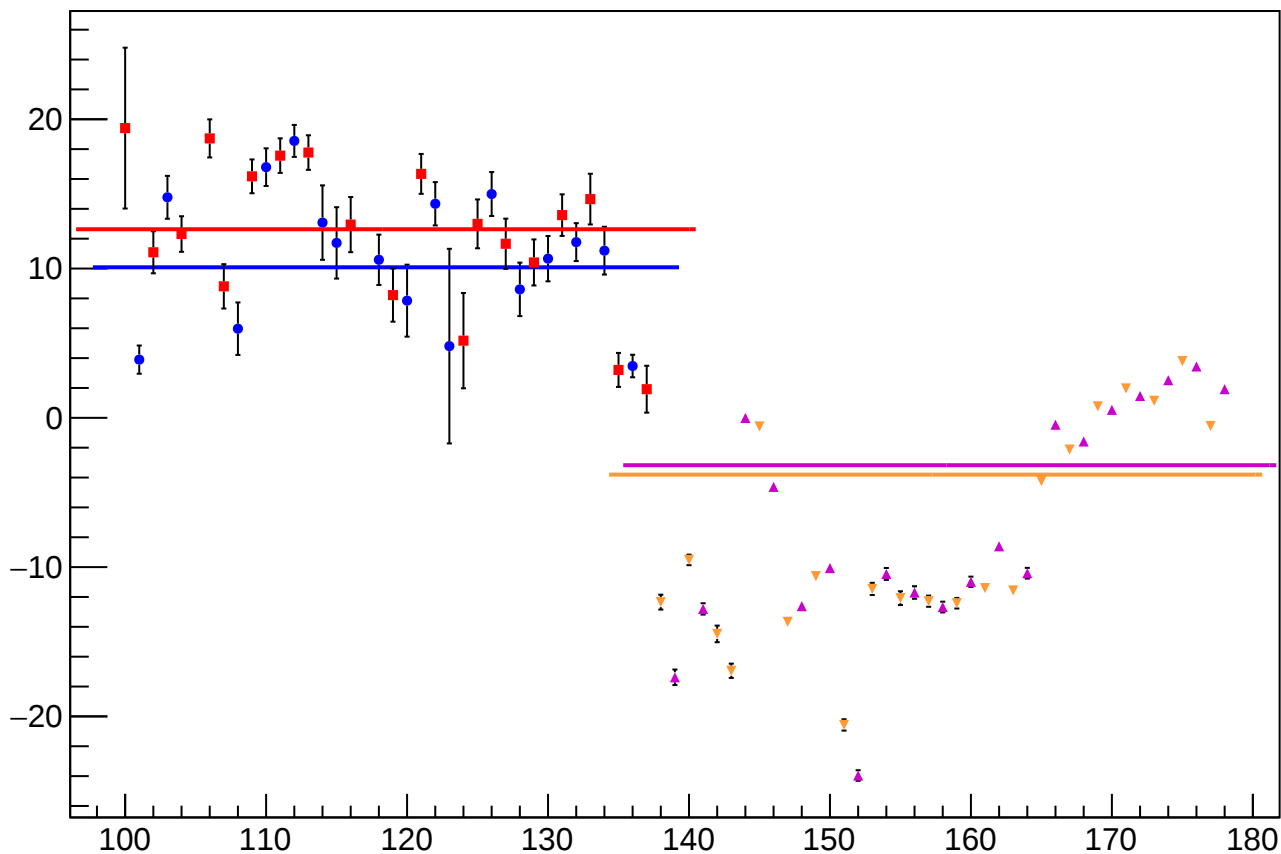
Left In: -6.151+/-0.044 χ^2/NDF : 1415.4/19

+ sign -6.294+/-0.044 χ^2/NDF : 1434.7/37

All: -6.269+/-0.030 χ^2/NDF : 3166.1/76

- sign -6.246+/-0.042 χ^2/NDF : 1730.8/38

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -3.804 ± 0.059 χ^2/NDF : 12186.1/20

Right Out: 12.632 ± 0.333 χ^2/NDF : 218.6/18

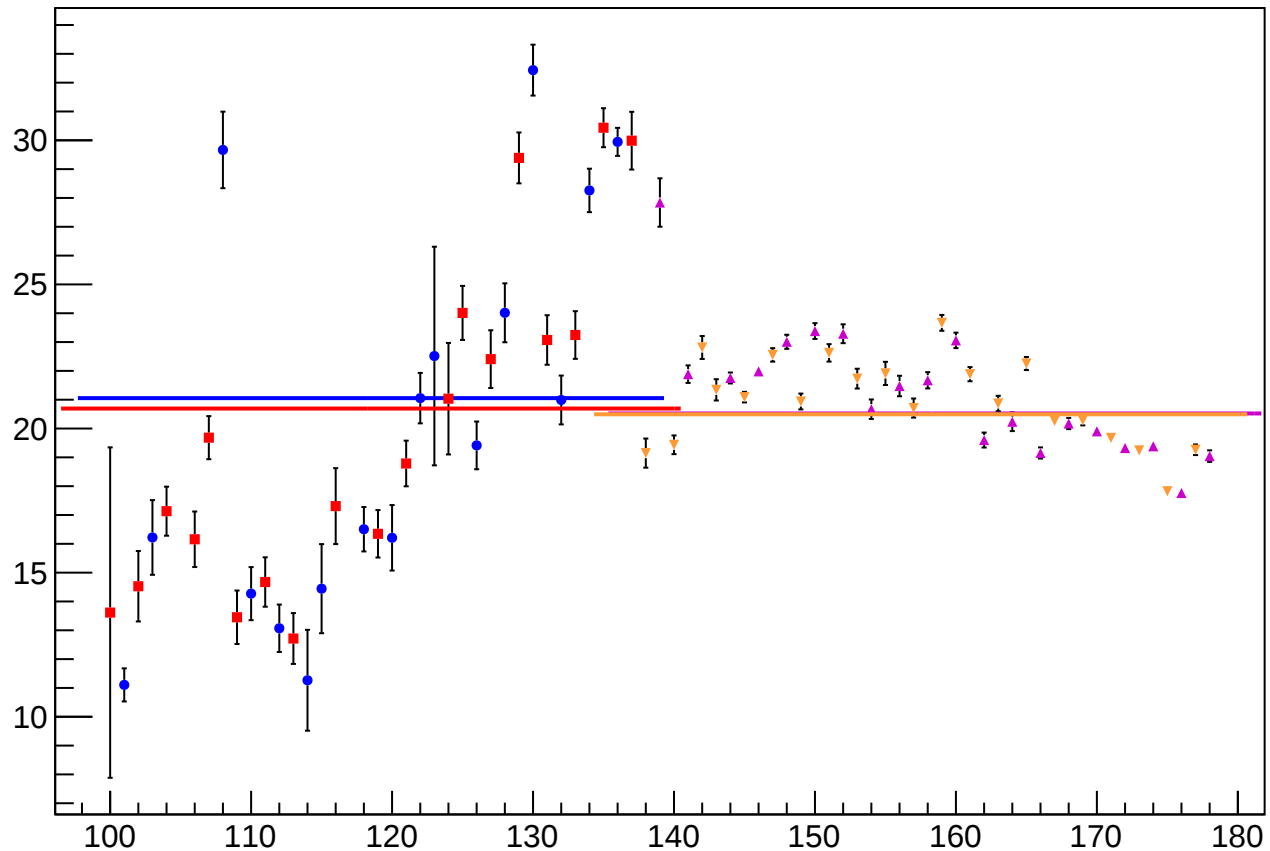
Left In: -3.174 ± 0.057 χ^2/NDF : 12845.3/19

+ sign -3.389 ± 0.058 χ^2/NDF : 14077.1/37

All: -3.043 ± 0.041 χ^2/NDF : 29401.5/76

- sign -2.723 ± 0.056 χ^2/NDF : 15256.9/38

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 20.494 $\pm$ 0.051 χ^2 /NDF:820.3/20

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

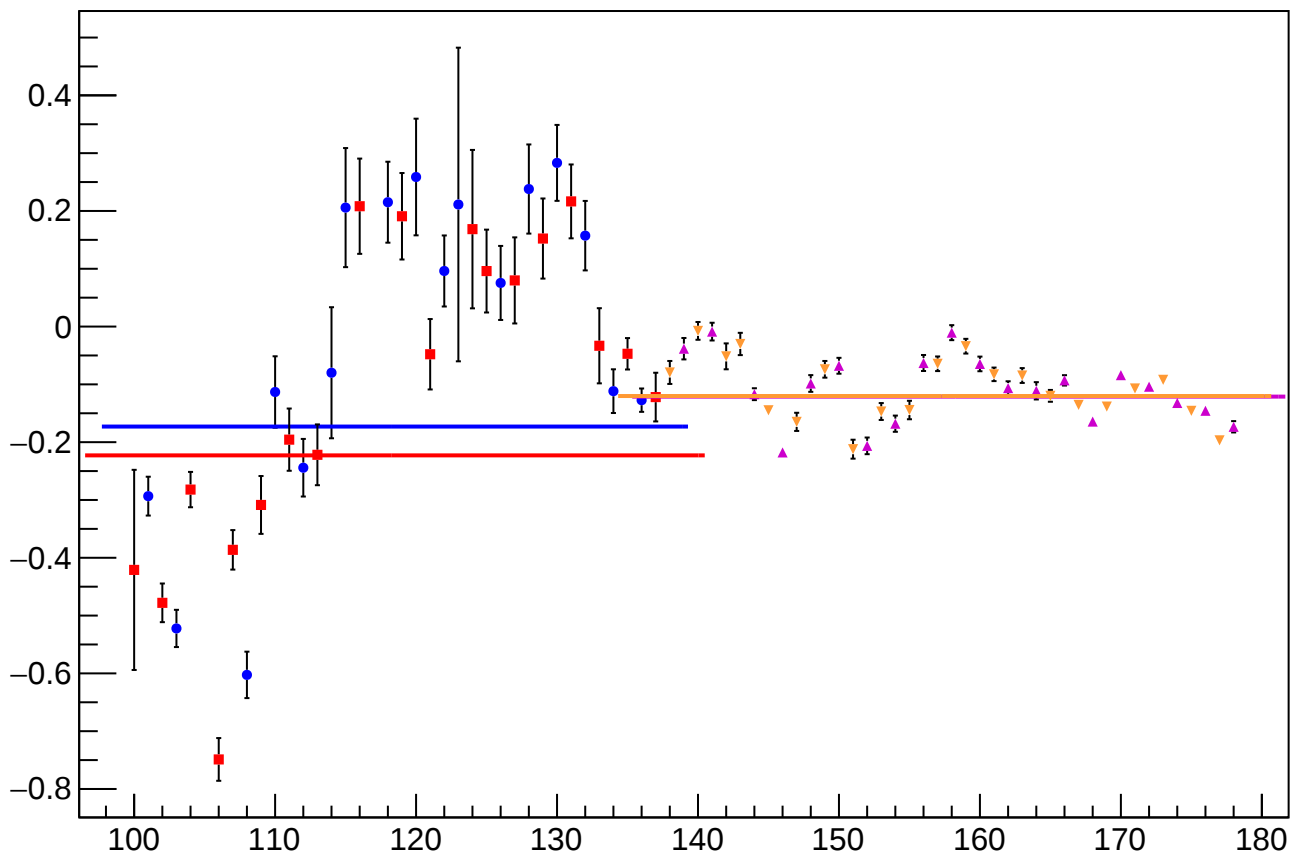
Left In: 20.523 $\pm$ 0.049 χ^2 /NDF:1110.6/19

+ sign 20.525 $\pm$ 0.049 χ^2 /NDF: 2038.8/37

All: 20.528 $\pm$ 0.034 χ^2 /NDF: 3874.1/76

- sign 20.531 $\pm$ 0.048 χ^2 /NDF: 1835.3/38

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.120 ± 0.002 χ^2/NDF : 372.3/20

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

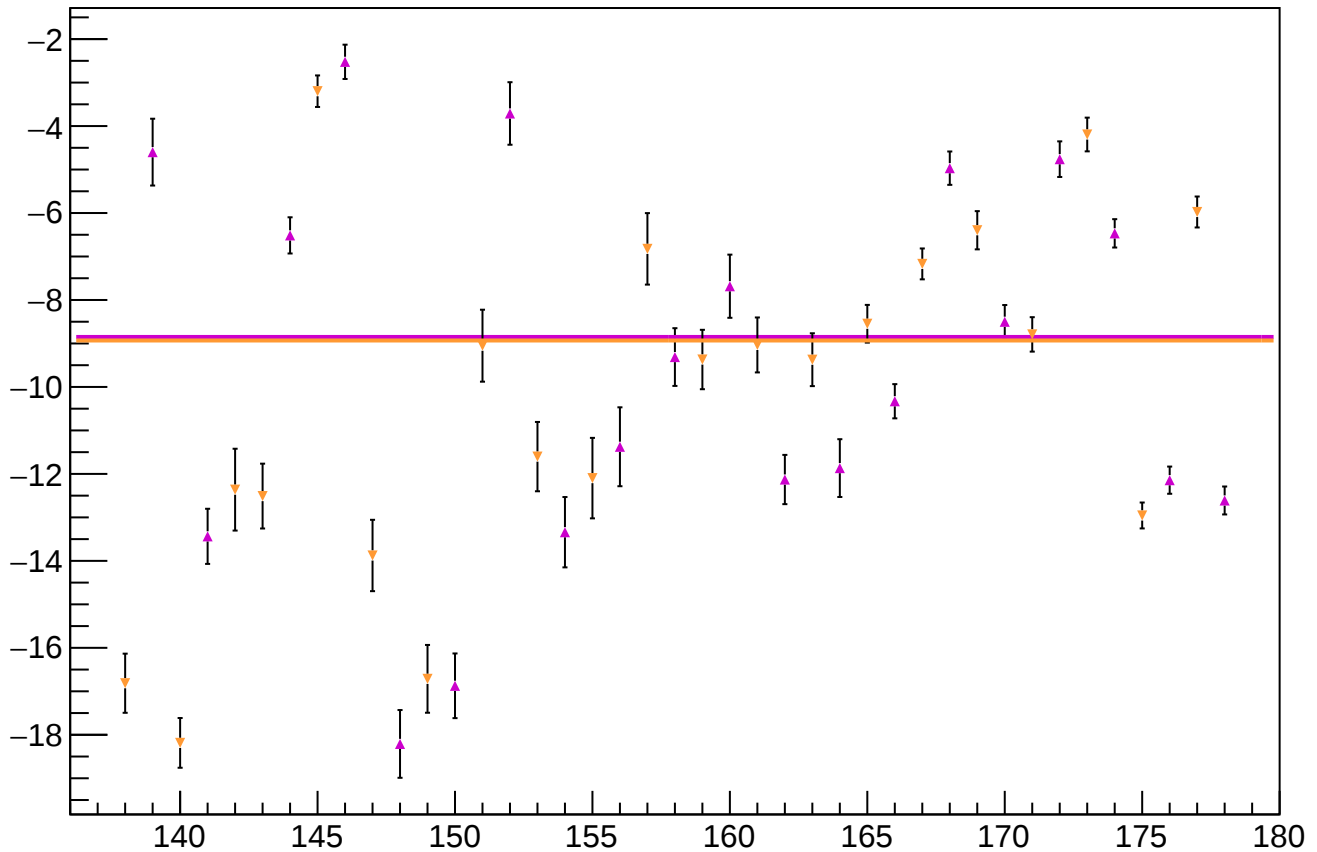
Left In: -0.121 ± 0.002 χ^2/NDF : 495.7/19

+ sign -0.122 ± 0.002 χ^2/NDF : 855.4/37

All: -0.124 ± 0.002 χ^2/NDF : 1969.6/76

- sign -0.125 ± 0.002 χ^2/NDF : 1113.3/38

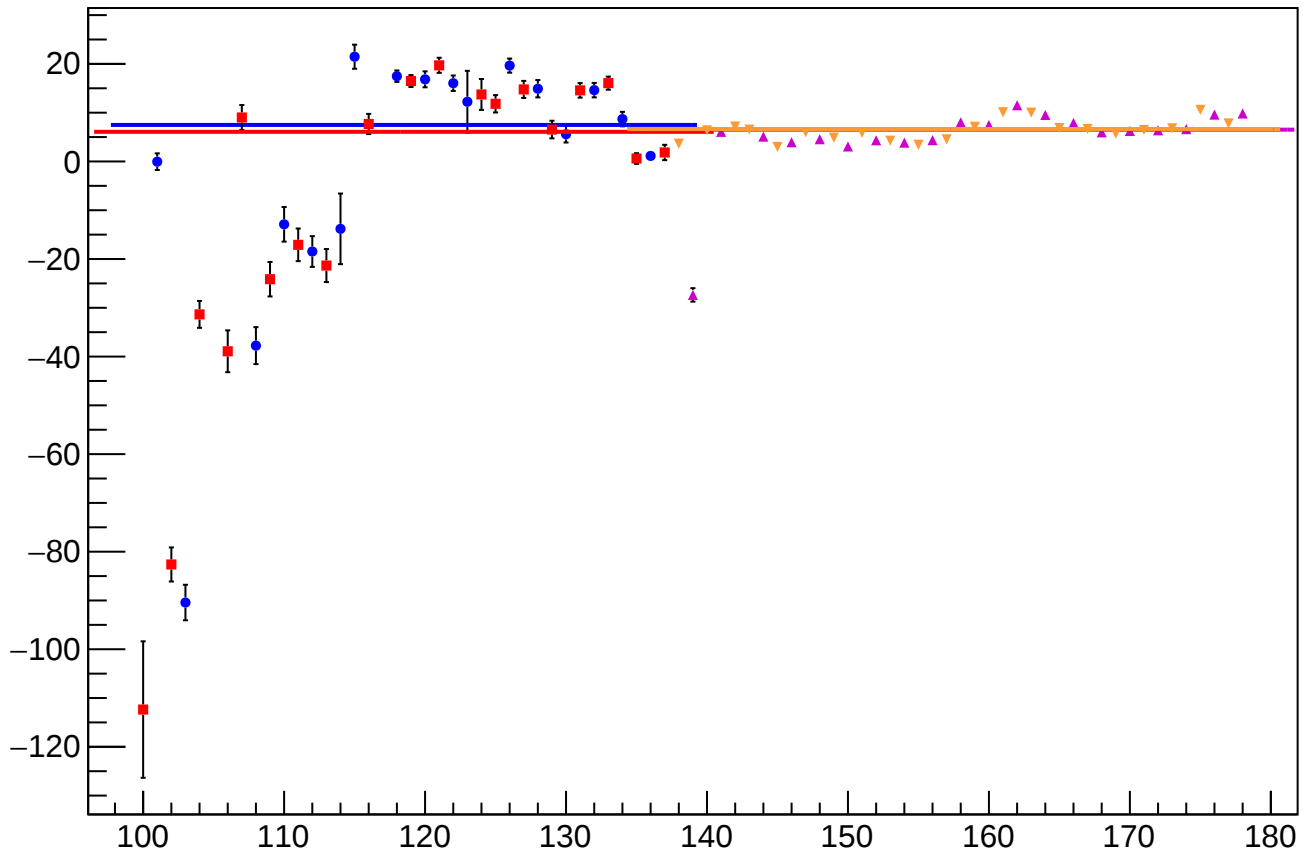
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.932+/-0.110 χ^2/NDF :1308.1/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.850+/-0.106 χ^2/NDF :1297.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -8.889+/-0.076 χ^2/NDF : 2605.8/40
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 6.659 ± 0.085 χ^2/NDF : 588.8/20

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

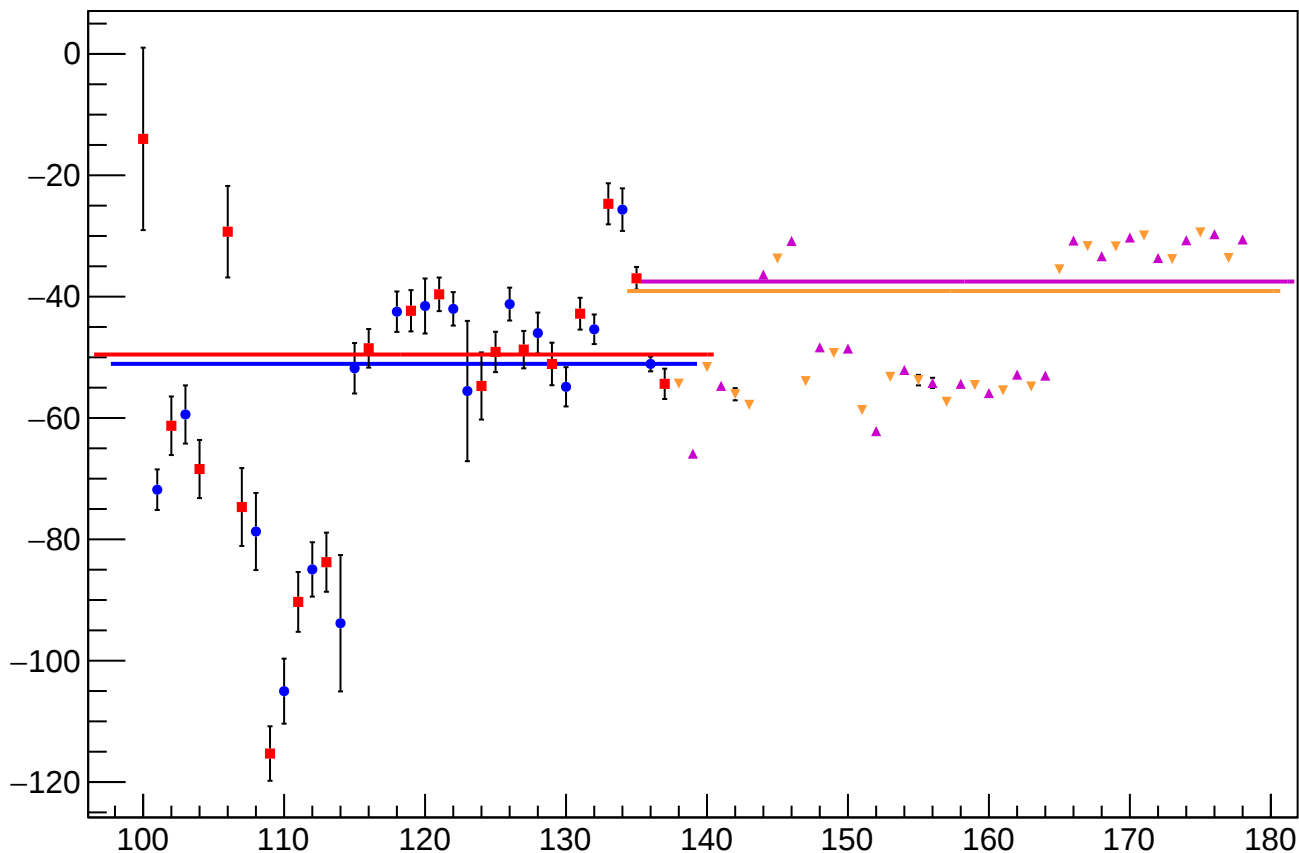
Left In: 6.519 ± 0.083 χ^2/NDF : 1291.5/19

+ sign 6.693 ± 0.083 χ^2/NDF : 1933.3/37

All: 6.596 ± 0.058 χ^2/NDF : 4740.6/76

- sign 6.503 ± 0.081 χ^2/NDF : 2804.6/38

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -39.076 ± 0.111 χ^2/NDF : 9101.5/20

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

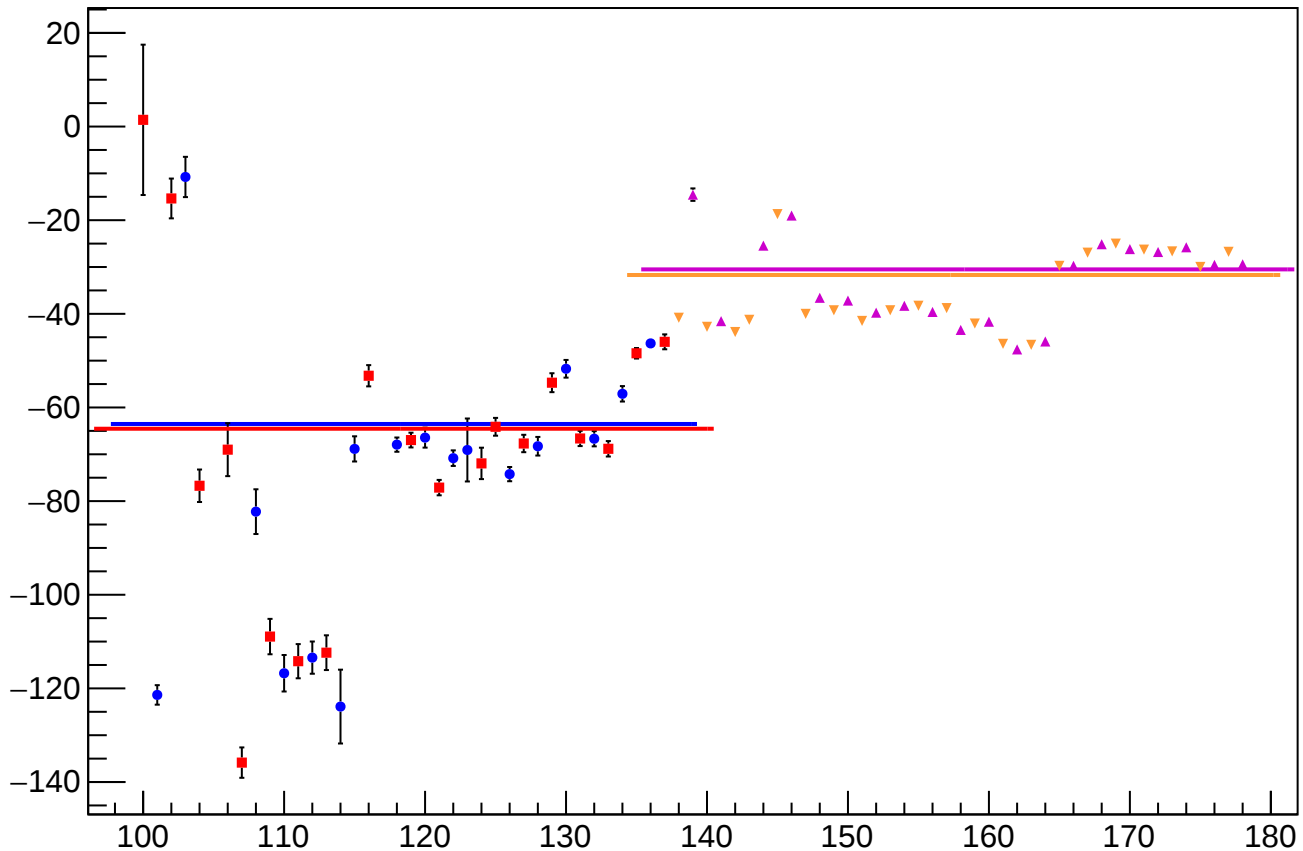
Left In: -37.510 ± 0.106 χ^2/NDF : 9839.7/19

+ sign -39.338 ± 0.109 χ^2/NDF : 9688.4/37

All: -38.495 ± 0.076 χ^2/NDF : 20374.7/76

- sign -37.718 ± 0.105 χ^2/NDF : 10572.3/38

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525+/-0.449 χ^2/NDF : 2010.9/16

Left Out: -31.707+/-0.095 χ^2/NDF : 7300.7/20

Right Out: -64.540+/-0.483 χ^2/NDF : 1603.1/18

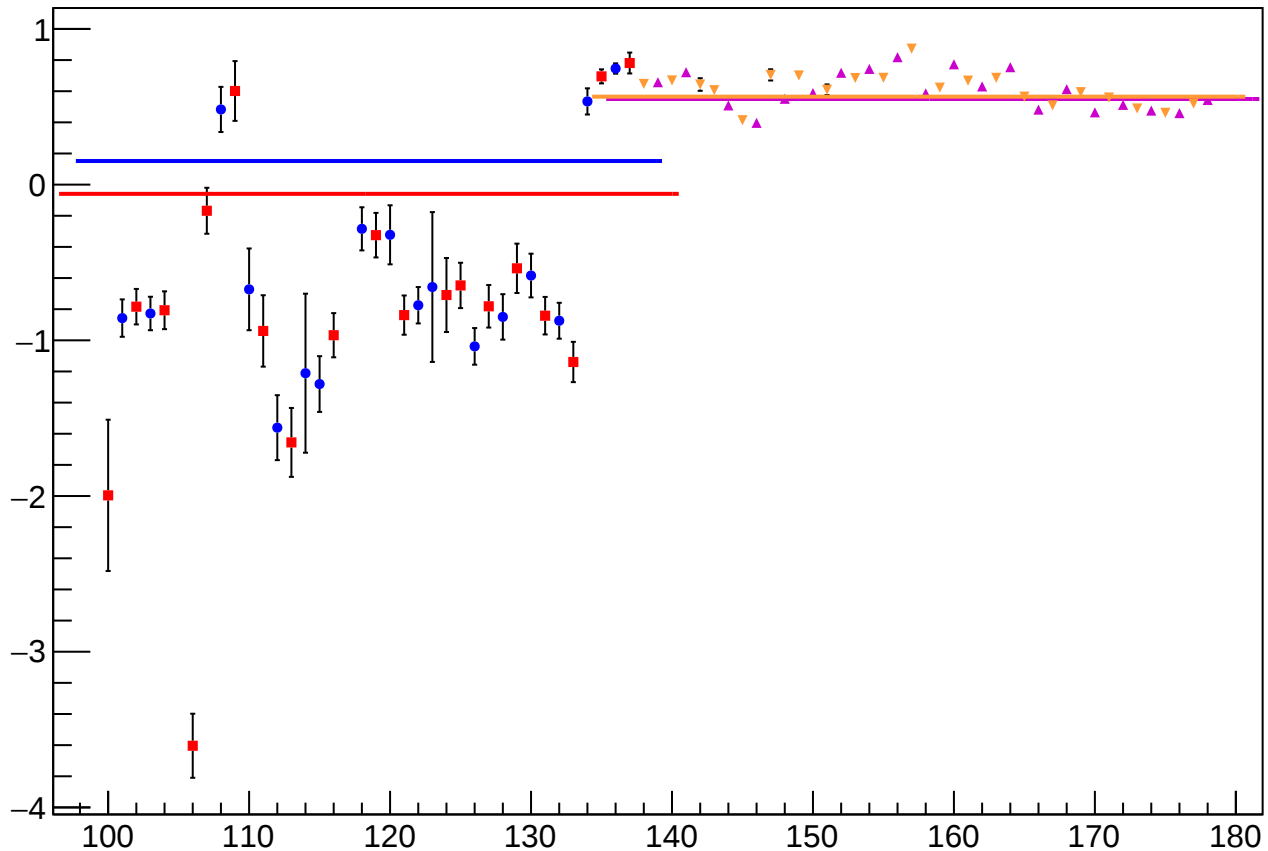
Left In: -30.507+/-0.093 χ^2/NDF : 6868.3/19

+ sign -33.077+/-0.093 χ^2/NDF : 14124.3/37

All: -32.385+/-0.065 χ^2/NDF : 27492.6/76

- sign -31.721+/-0.091 χ^2/NDF : 13259.9/38

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152+/-0.024 χ^2/NDF : 987.4/16

Left Out: 0.565+/-0.004 χ^2/NDF : 508.3/20

Right Out: -0.059+/-0.026 χ^2/NDF : 1161.9/18

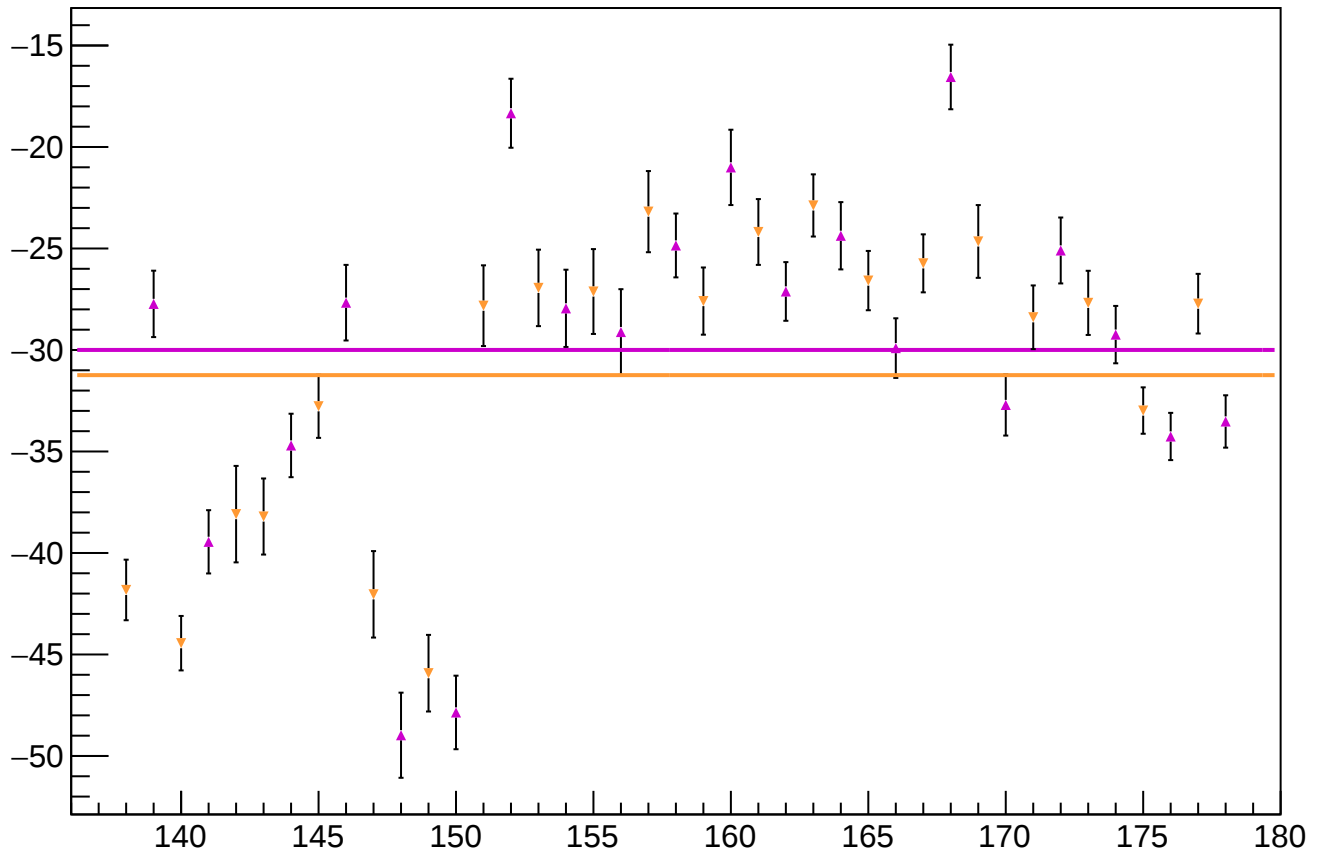
Left In: 0.550+/-0.004 χ^2/NDF : 630.5/19

+ sign 0.552+/-0.004 χ^2/NDF : 1781.9/37

All: 0.543+/-0.003 χ^2/NDF : 4105.8/76

- sign 0.535+/-0.004 χ^2/NDF : 2315.7/38

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.239+/-0.356 χ^2/NDF : 393.3/20

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

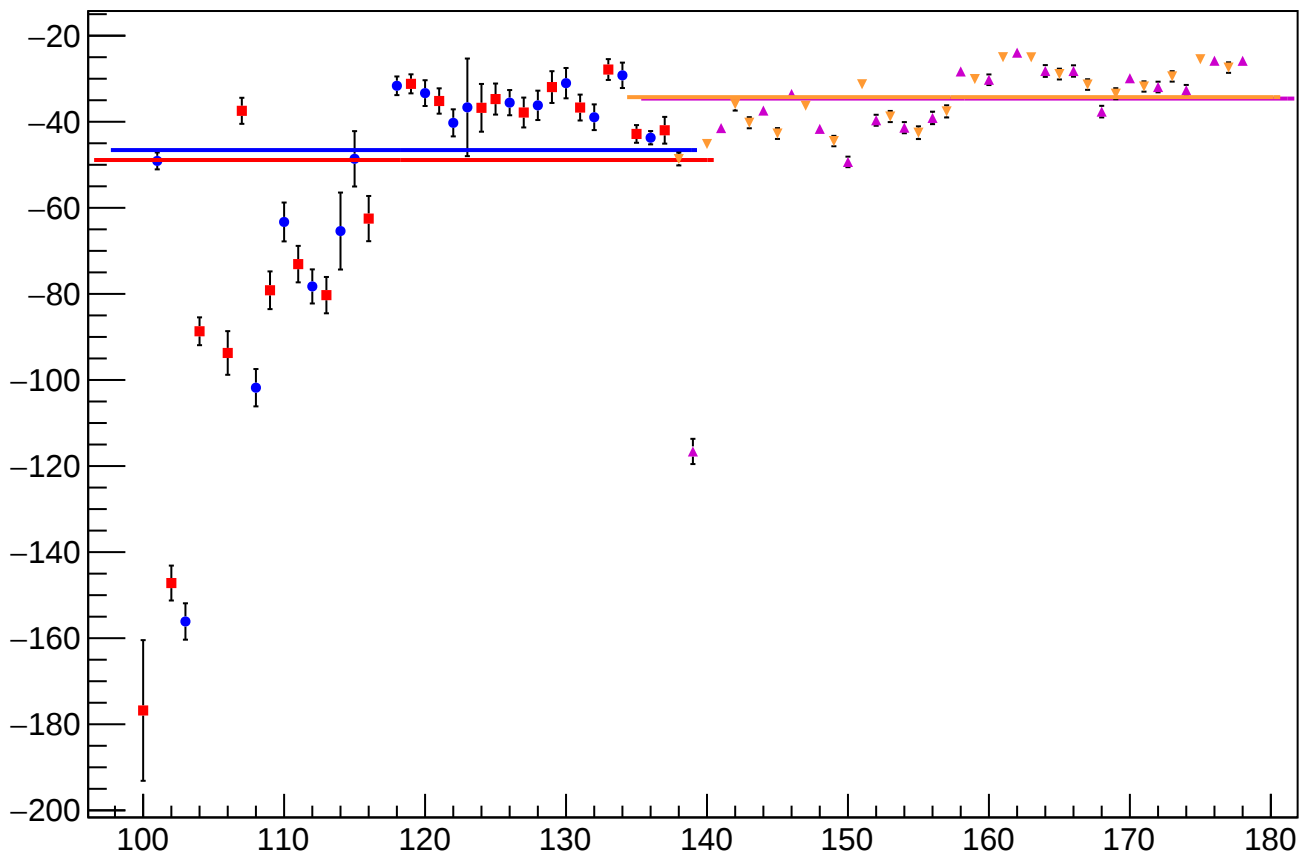
Left In: -29.997+/-0.355 χ^2/NDF : 431.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -30.616+/-0.252 χ^2/NDF : 830.8/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -34.280 ± 0.268 χ^2/NDF : 673.2/20

Right Out: -48.888 ± 0.763 χ^2/NDF : 1277.5/18

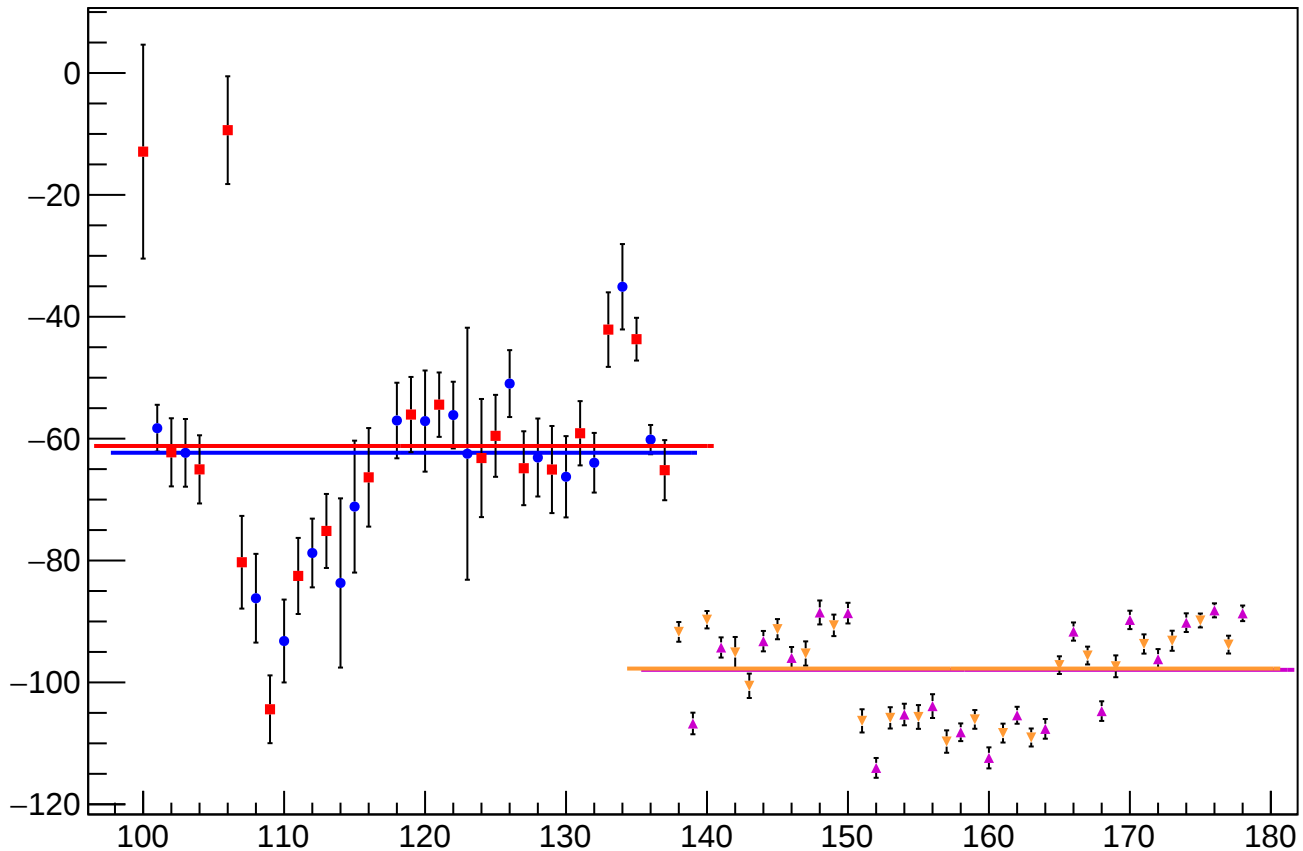
Left In: -34.612 ± 0.273 χ^2/NDF : 1401.6/19

+ sign -35.738 ± 0.251 χ^2/NDF : 2000.0/37

All: -35.980 ± 0.180 χ^2/NDF : 4991.0/76

- sign -36.233 ± 0.257 χ^2/NDF : 2989.0/38

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -97.729 ± 0.355 χ^2/NDF : 388.5/20

Right Out: -61.203 ± 1.381 χ^2/NDF : 165.0/18

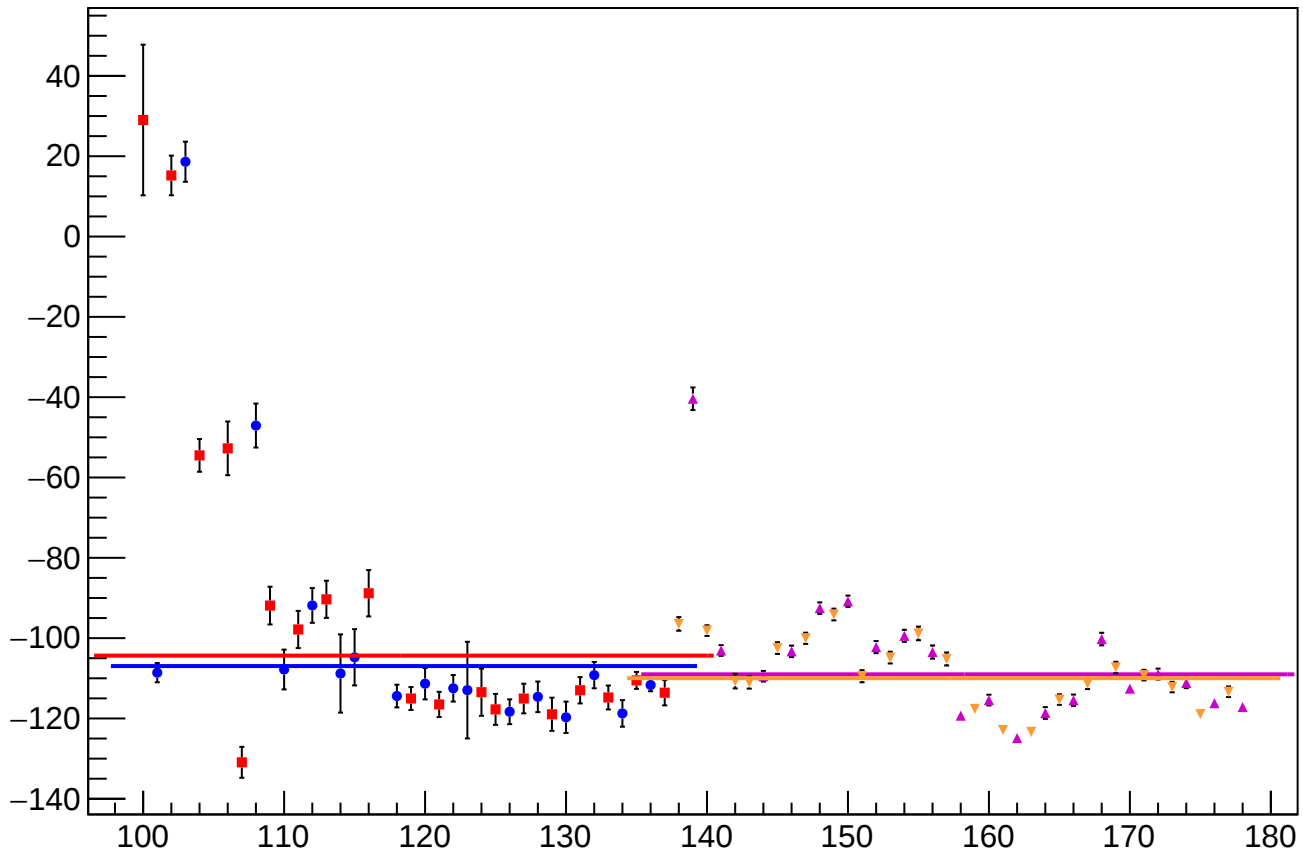
Left In: -97.937 ± 0.352 χ^2/NDF : 616.3/19

+ sign -95.325 ± 0.343 χ^2/NDF : 1131.0/37

All: -95.509 ± 0.242 χ^2/NDF : 2577.3/76

- sign -95.692 ± 0.341 χ^2/NDF : 1445.6/38

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -109.973 ± 0.304 χ^2/NDF : 766.4/20

Right Out: -104.356 ± 0.861 χ^2/NDF : 1021.0/18

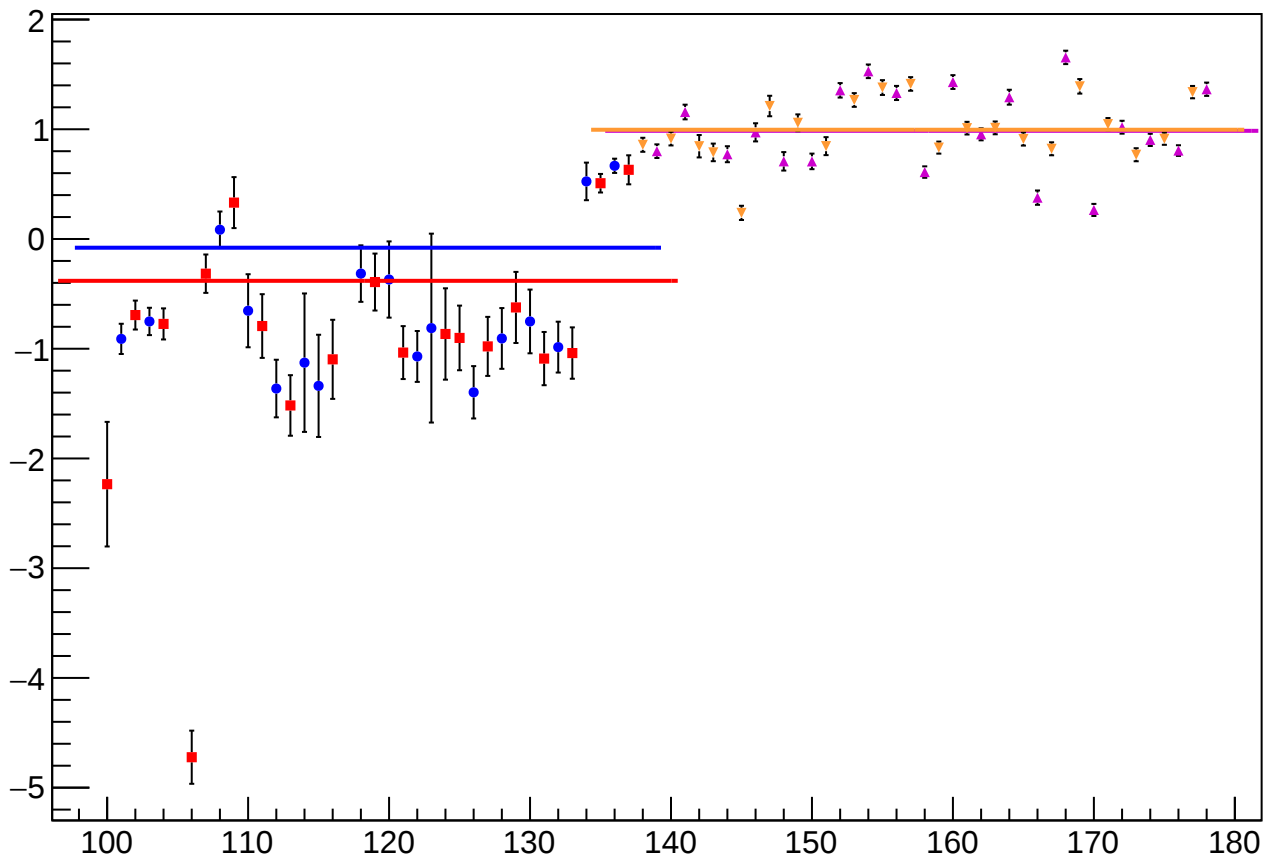
Left In: -109.013 ± 0.308 χ^2/NDF : 1464.6/19

+ sign -109.606 ± 0.285 χ^2/NDF : 1605.6/37

All: -109.056 ± 0.203 χ^2/NDF : 4124.8/76

- sign -108.485 ± 0.290 χ^2/NDF : 2511.6/38

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.996 ± 0.014 χ^2/NDF : 367.0/20

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

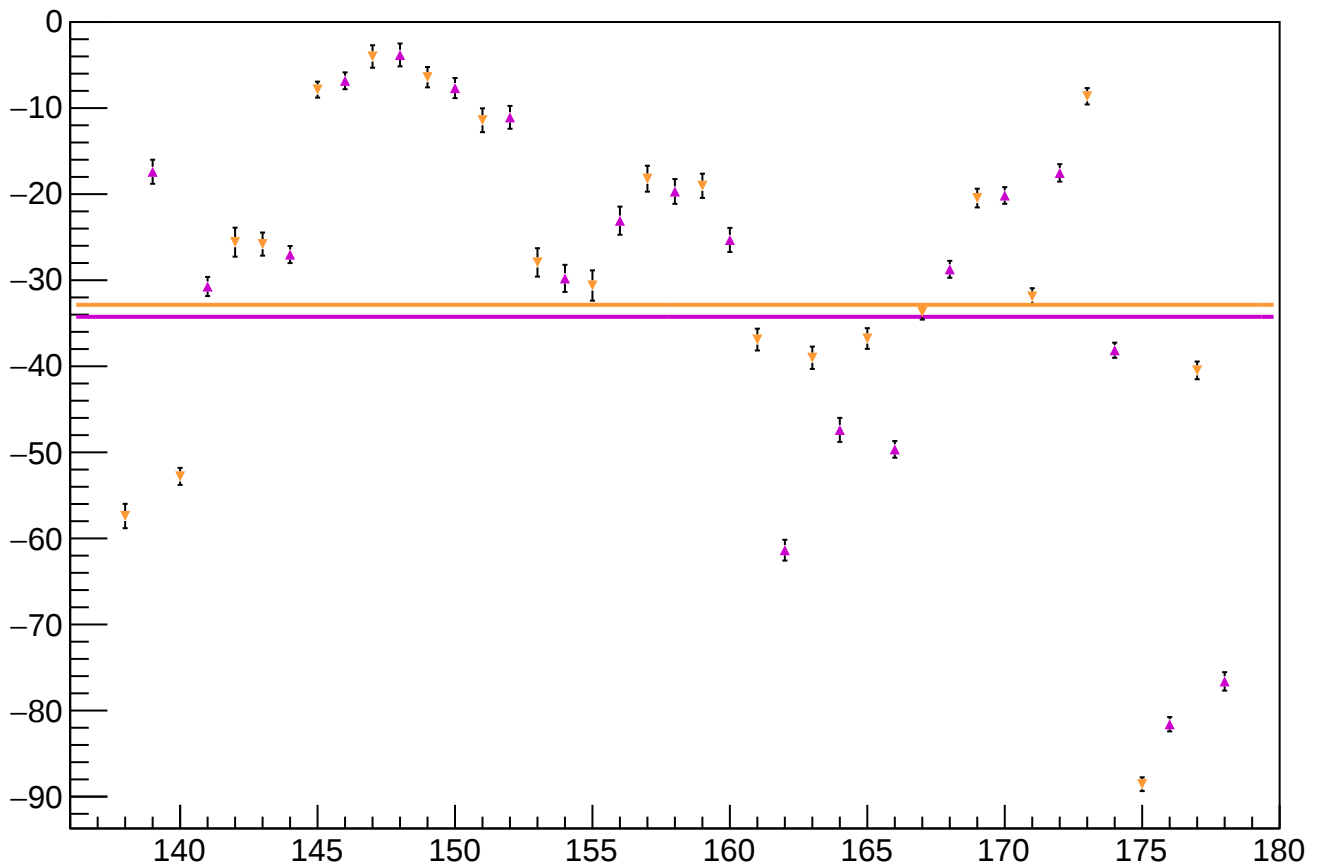
Left In: 0.986 ± 0.014 χ^2/NDF : 741.9/19

+ sign 0.889 ± 0.013 χ^2/NDF : 1278.5/37

All: 0.876 ± 0.009 χ^2/NDF : 3480.4/76

- sign 0.862 ± 0.013 χ^2/NDF : 2199.8/38

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -32.858+/-0.252 χ^2/NDF : 8632.5/20

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

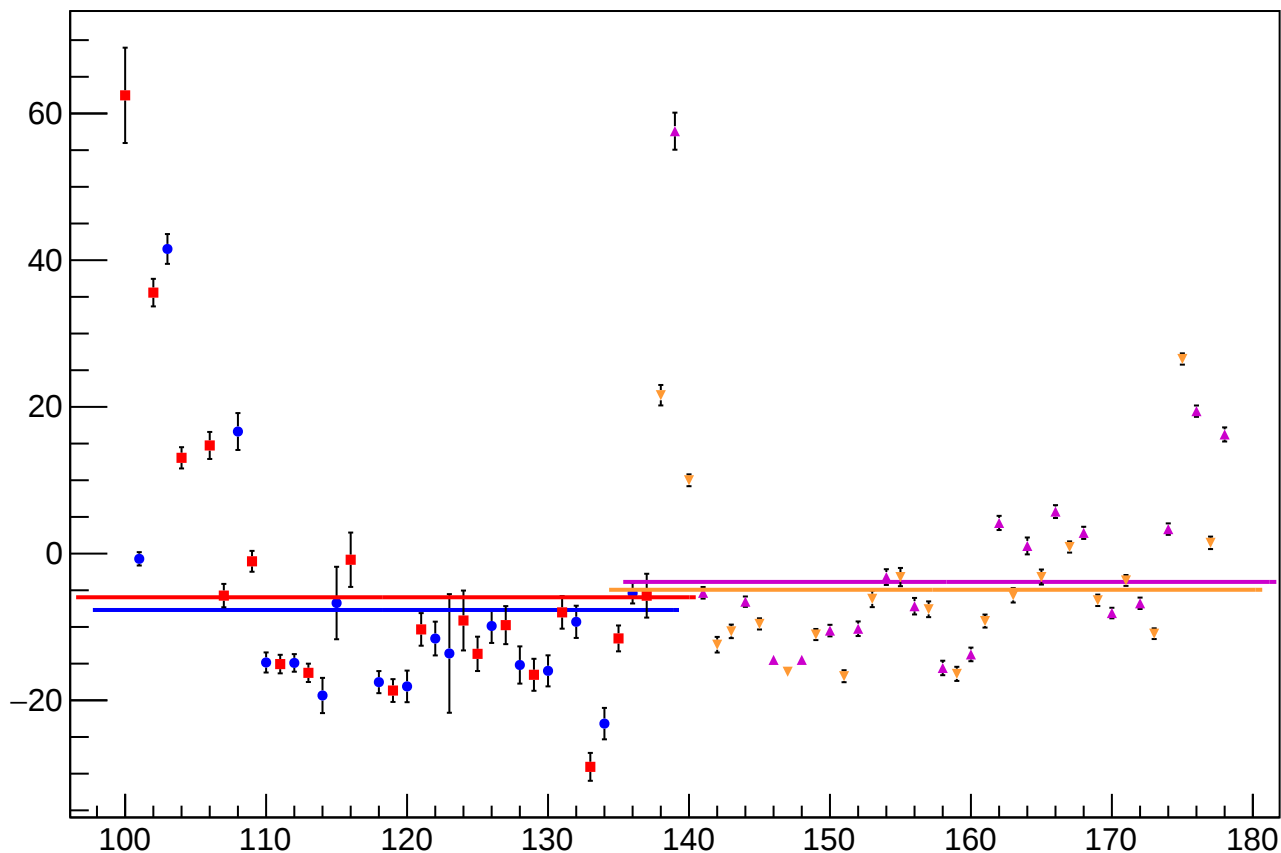
Left In: -34.253+/-0.250 χ^2/NDF : 8715.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -33.561+/-0.178 χ^2/NDF : 17363.6/40

- 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: -4.932 ± 0.188 χ^2/NDF : 3464.6/20

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

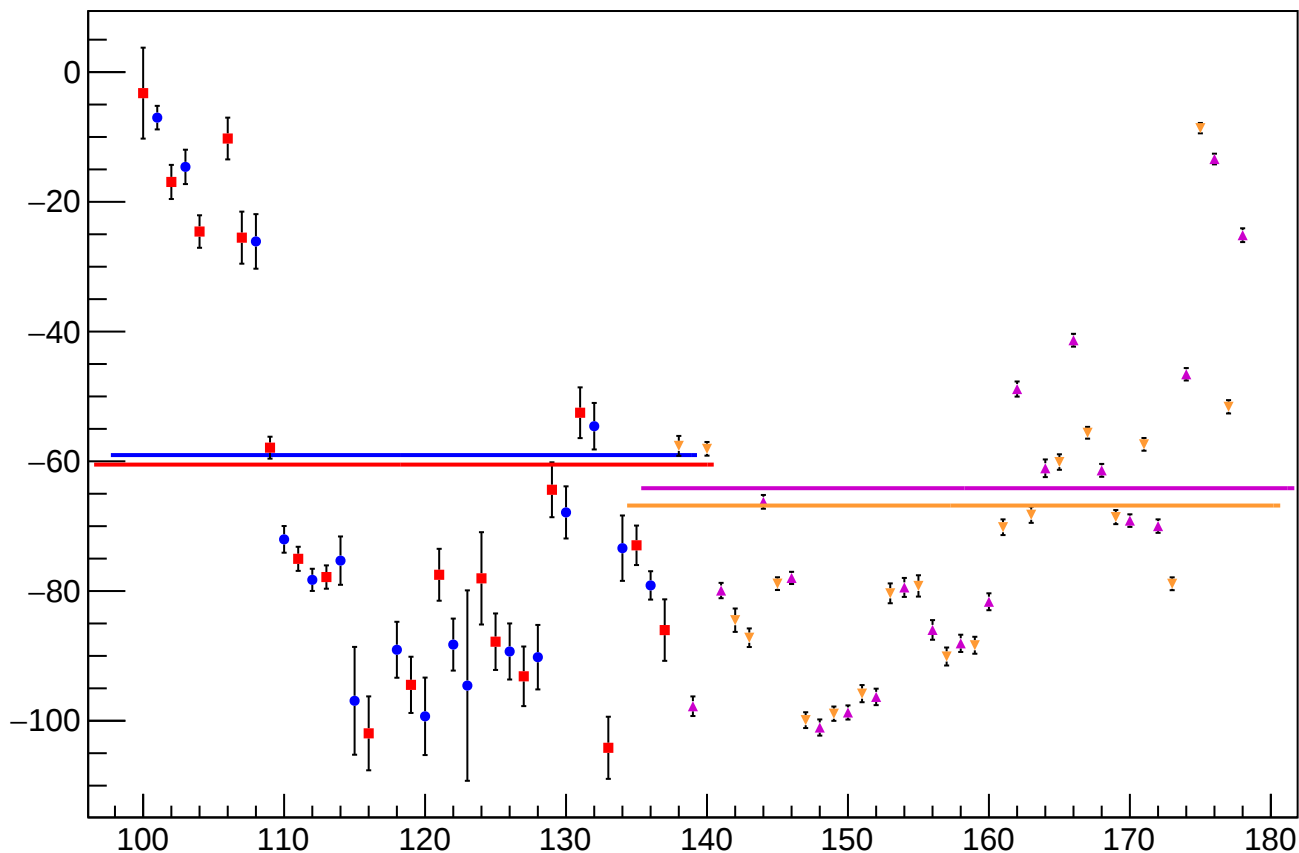
Left In: -3.859 ± 0.190 χ^2/NDF : 3301.3/19

+ sign -5.373 ± 0.172 χ^2/NDF : 4475.0/37

All: -4.792 ± 0.122 χ^2/NDF : 9117.3/76

- sign -4.202 ± 0.174 χ^2/NDF : 4619.3/38

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -66.819 ± 0.252 χ^2/NDF : 9238.3/20

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

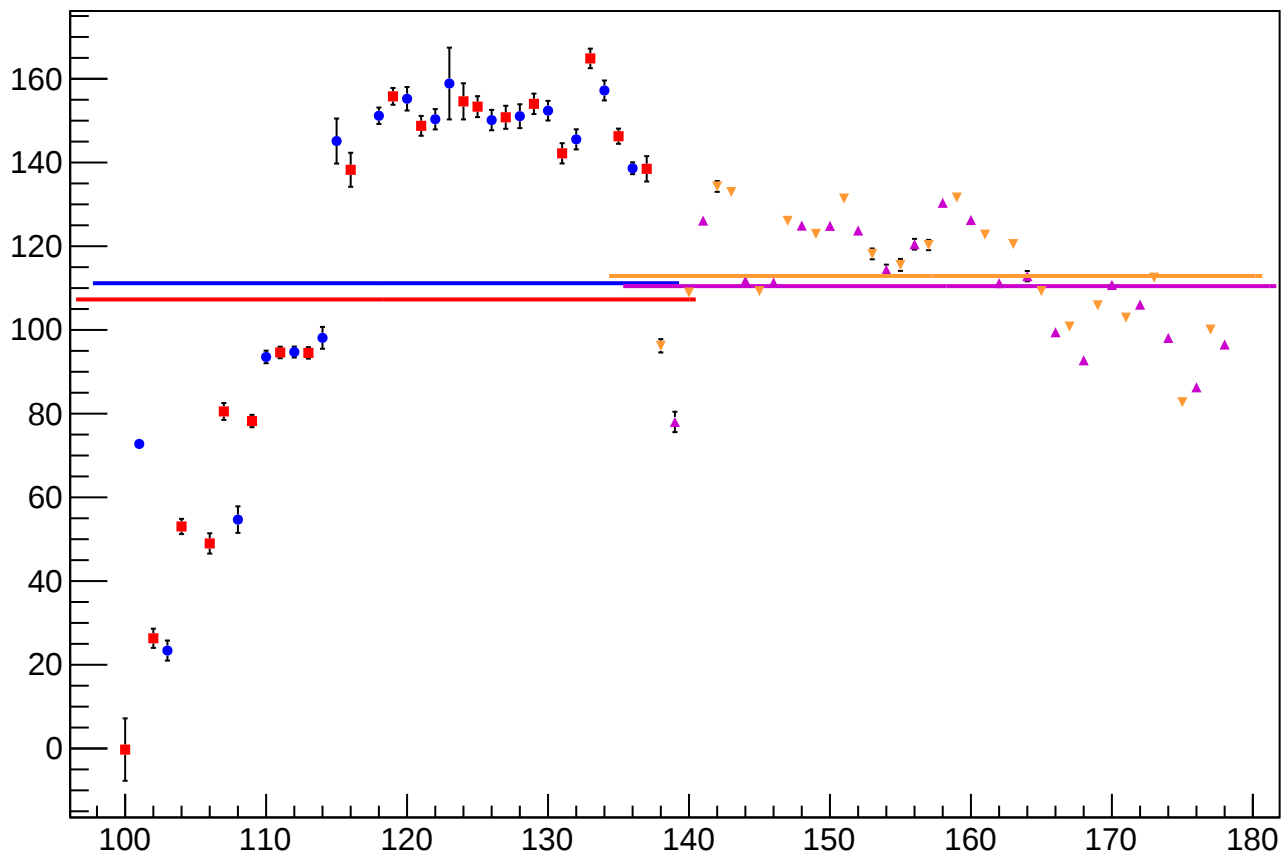
Left In: -64.146 ± 0.249 χ^2/NDF : 10492.4/19

+ sign -66.022 ± 0.239 χ^2/NDF : 11045.5/37

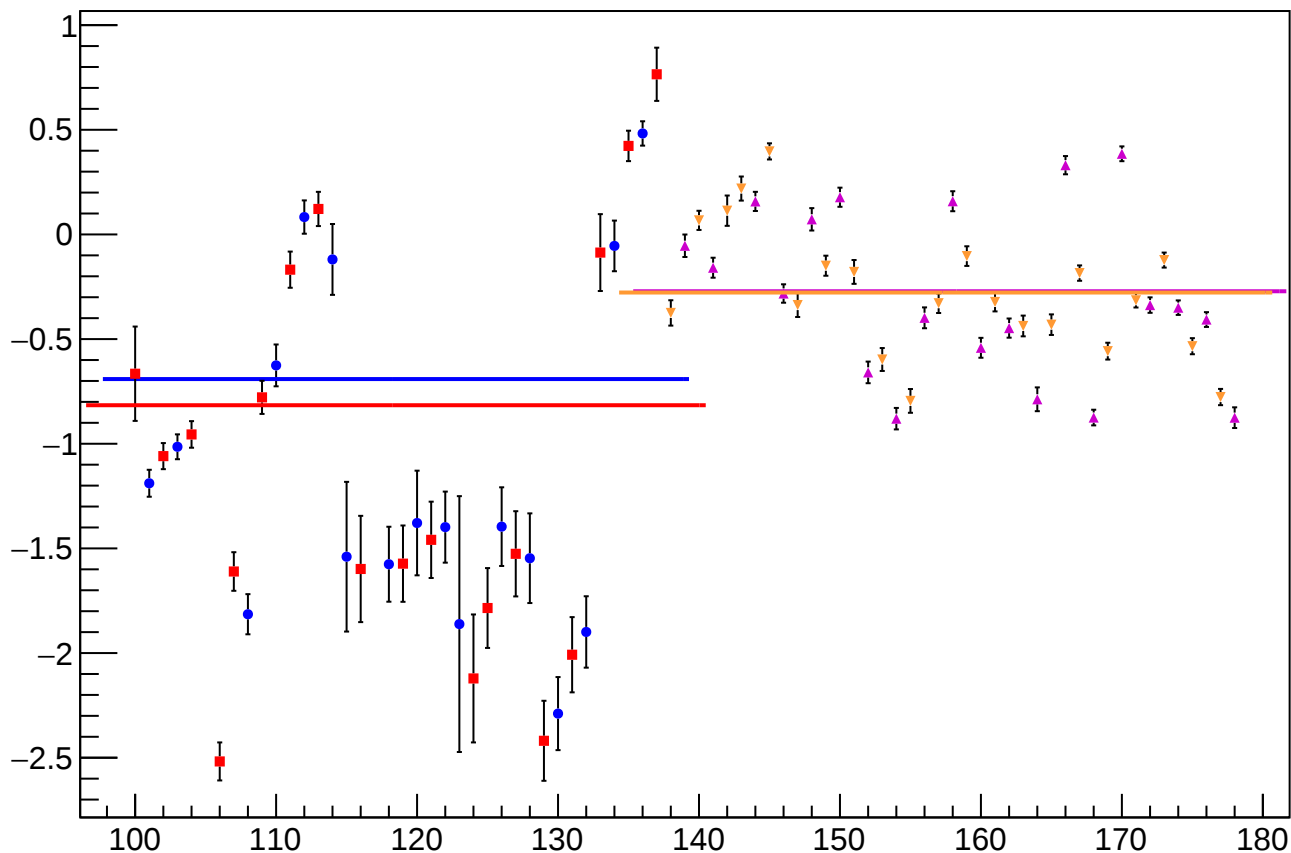
All: -64.864 ± 0.167 χ^2/NDF : 22992.8/76

- sign -63.740 ± 0.235 χ^2/NDF : 11901.0/38

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.277 ± 0.010 χ^2/NDF : 917.3/20

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

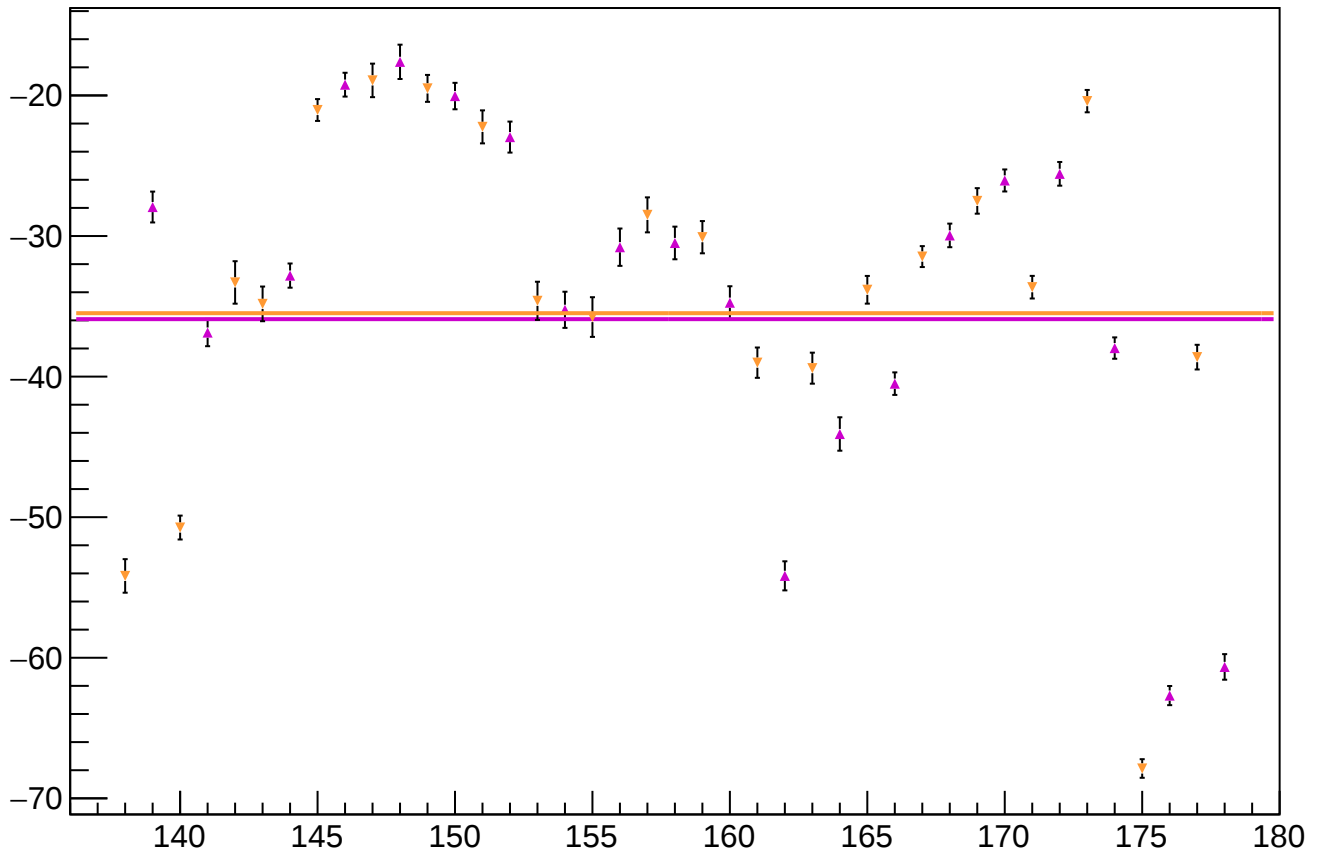
Left In: -0.271 ± 0.010 χ^2/NDF : 1630.7/19

+ sign -0.331 ± 0.009 χ^2/NDF : 2131.7/37

All: -0.340 ± 0.007 χ^2/NDF : 5497.5/76

- sign -0.348 ± 0.009 χ^2/NDF : 3364.0/38

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -35.489+/-0.212 χ^2/NDF : 4470.3/20

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

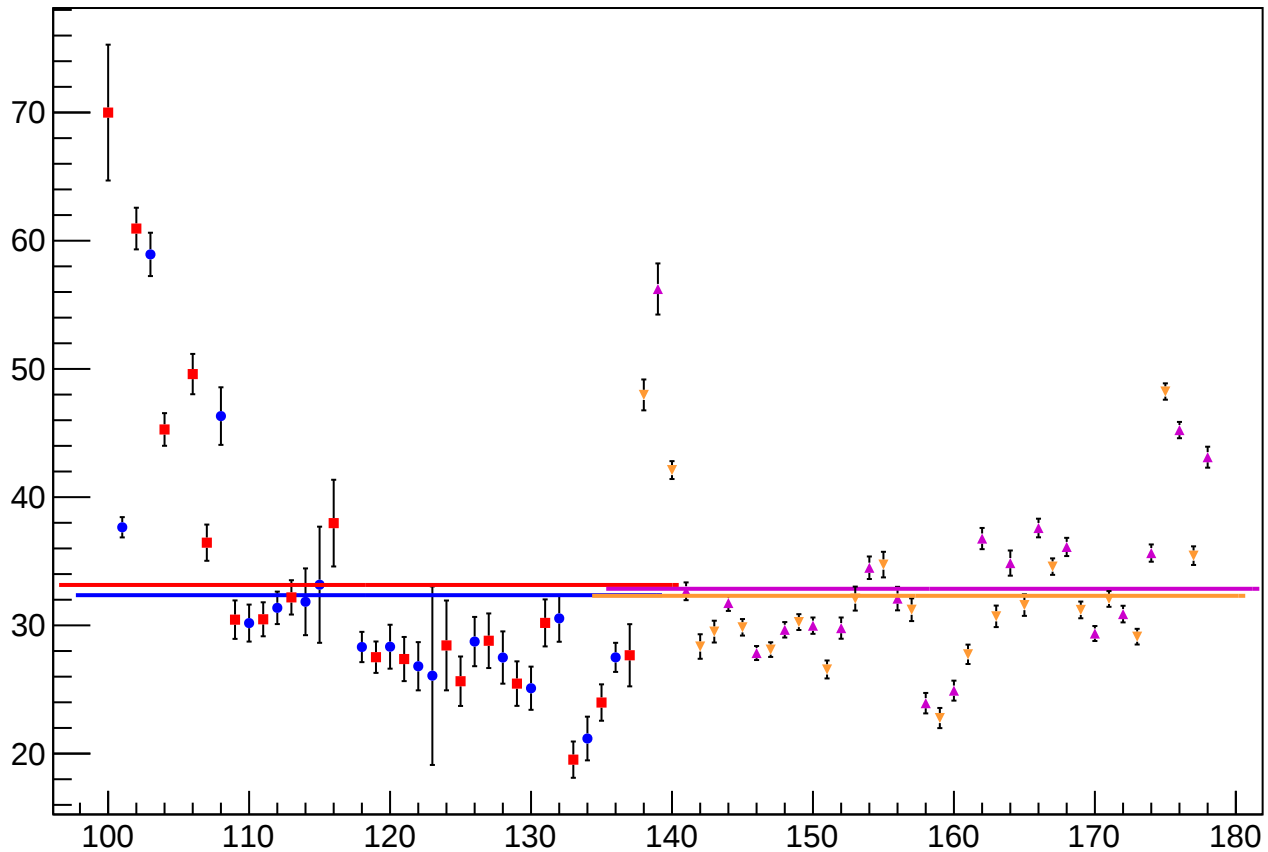
Left In: -35.914+/-0.210 χ^2/NDF : 4183.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -35.703+/-0.149 χ^2/NDF : 8656.0/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355 ± 0.375 χ^2/NDF : 450.5/16

Left Out: 32.305 ± 0.159 χ^2/NDF : 1422.9/20

Right Out: 33.152 ± 0.379 χ^2/NDF : 772.0/18

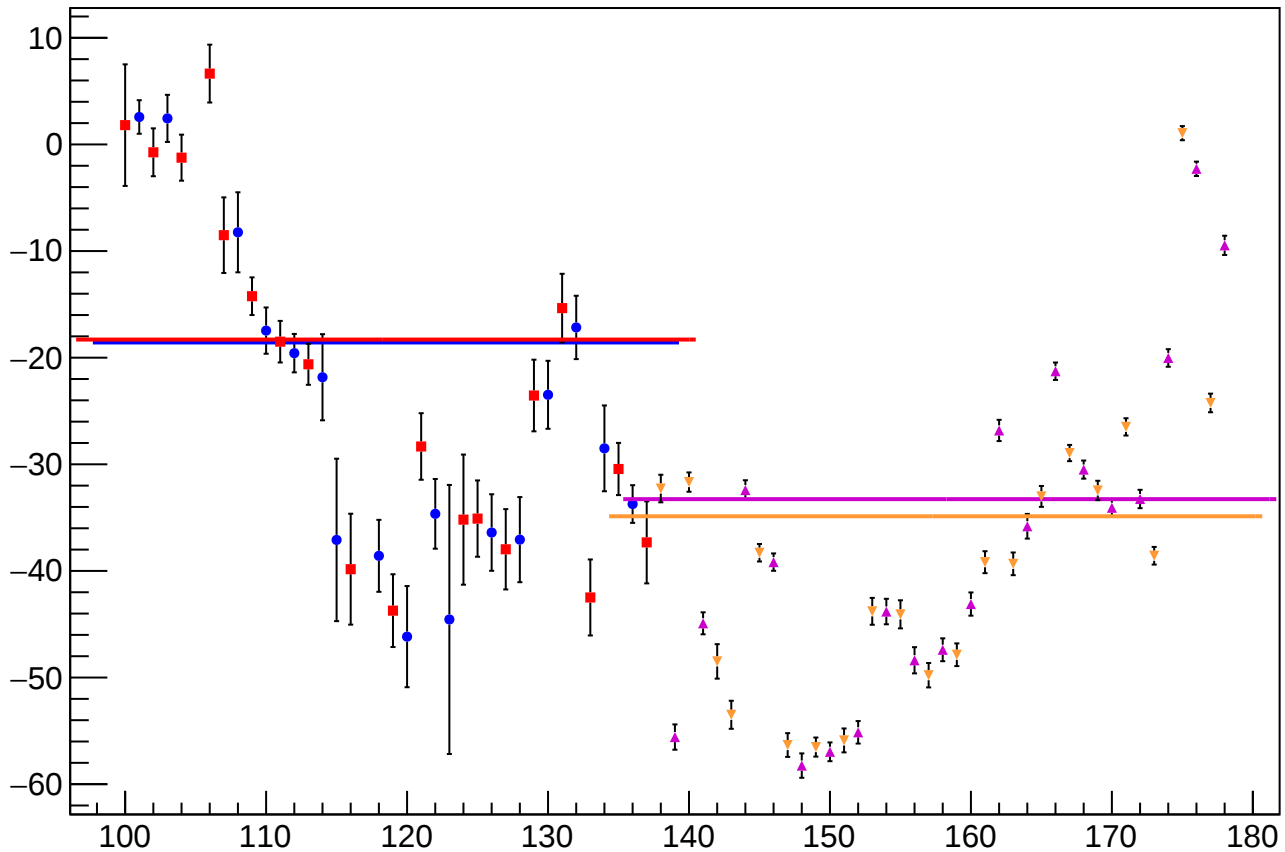
Left In: 32.853 ± 0.161 χ^2/NDF : 1210.2/19

+ sign 32.313 ± 0.147 χ^2/NDF : 1873.5/37

All: 32.603 ± 0.104 χ^2/NDF : 3864.1/76

- sign 32.899 ± 0.148 χ^2/NDF : 1982.7/38

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 $\chi^2/\text{NDF}: 511.5/16$

Left Out: -34.875 ± 0.212 $\chi^2/\text{NDF}: 5353.7/20$

Right Out: -18.300 ± 0.644 $\chi^2/\text{NDF}: 473.4/18$

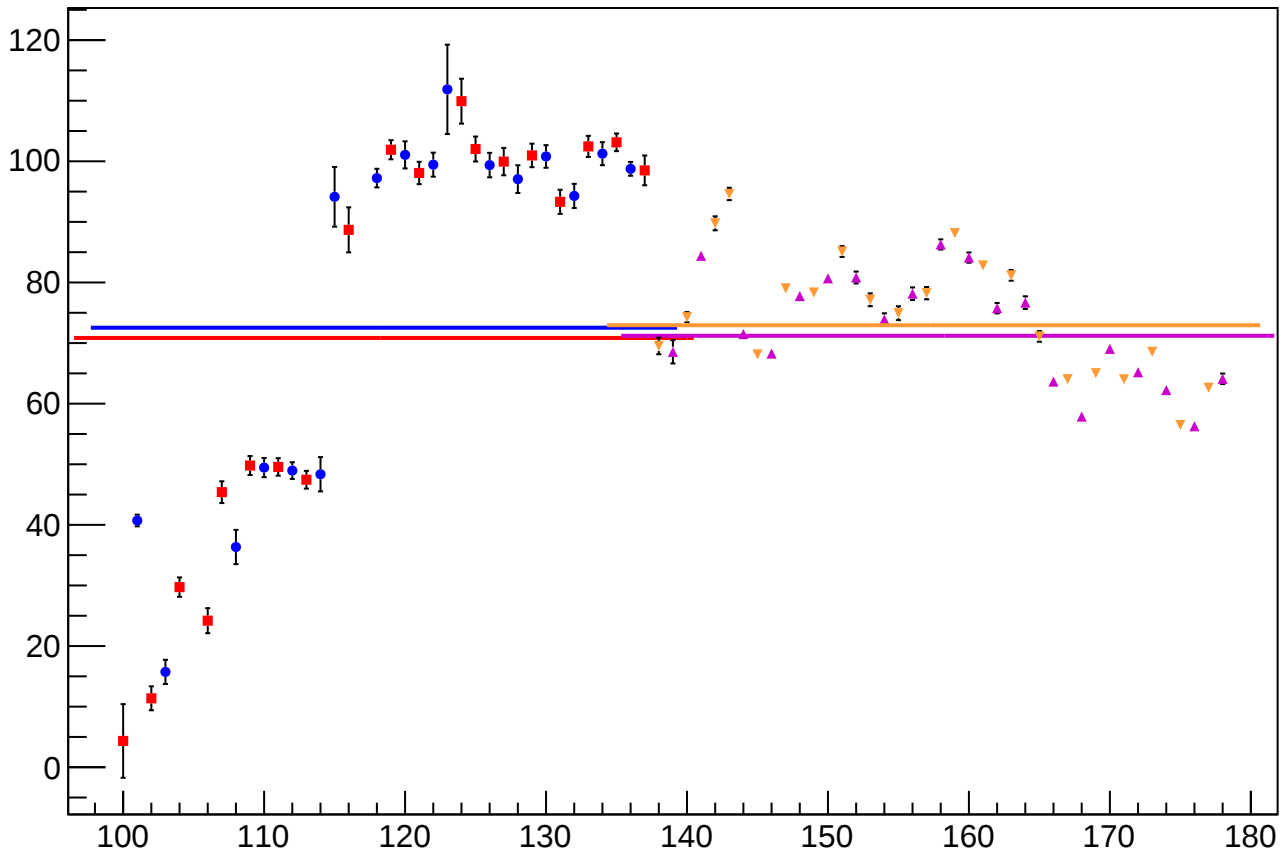
Left In: -33.268 ± 0.209 $\chi^2/\text{NDF}: 5990.7/19$

+ sign -33.387 ± 0.202 $\chi^2/\text{NDF}: 6407.3/37$

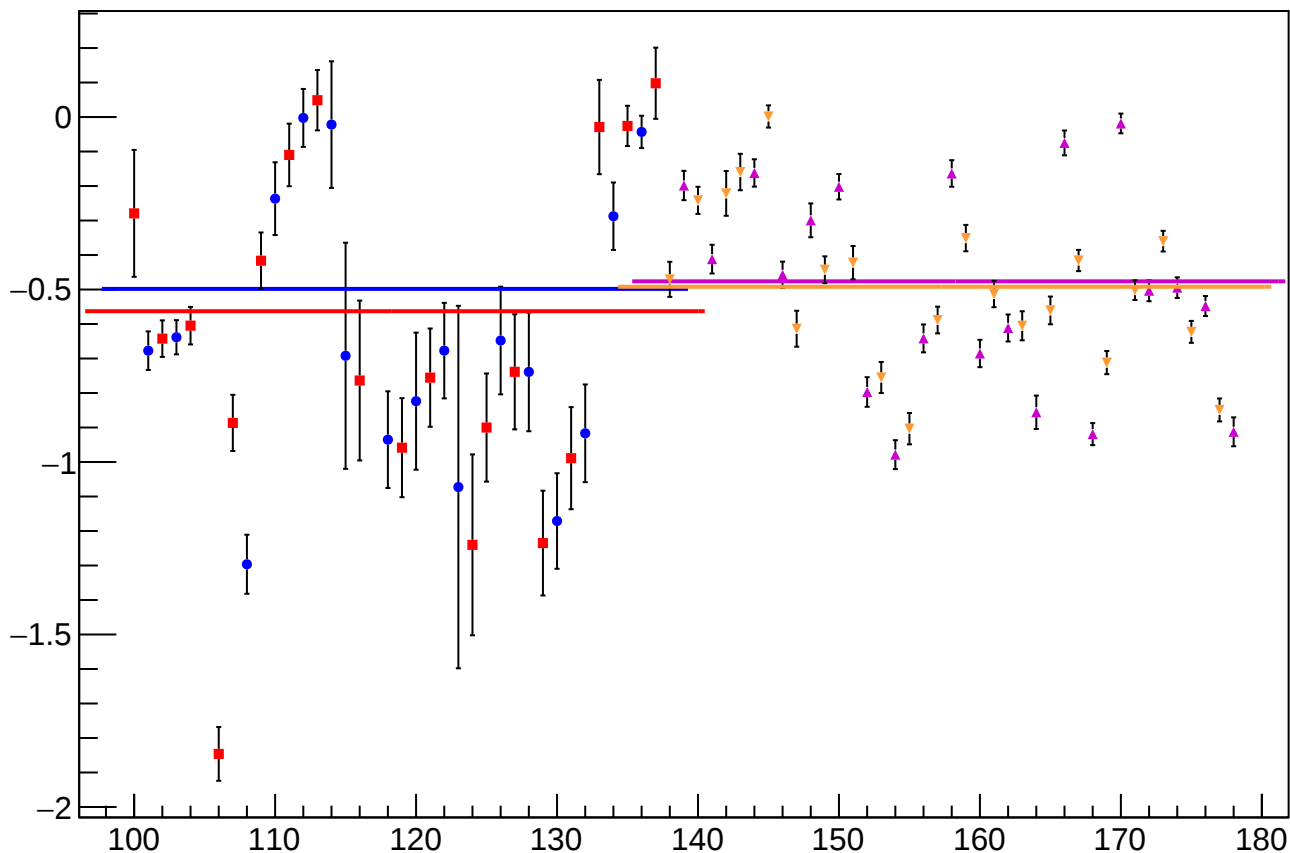
All: -32.602 ± 0.142 $\chi^2/\text{NDF}: 13390.1/76$

- sign -31.840 ± 0.199 $\chi^2/\text{NDF}: 6952.9/38$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.492 ± 0.008 χ^2/NDF : 690.4/20

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

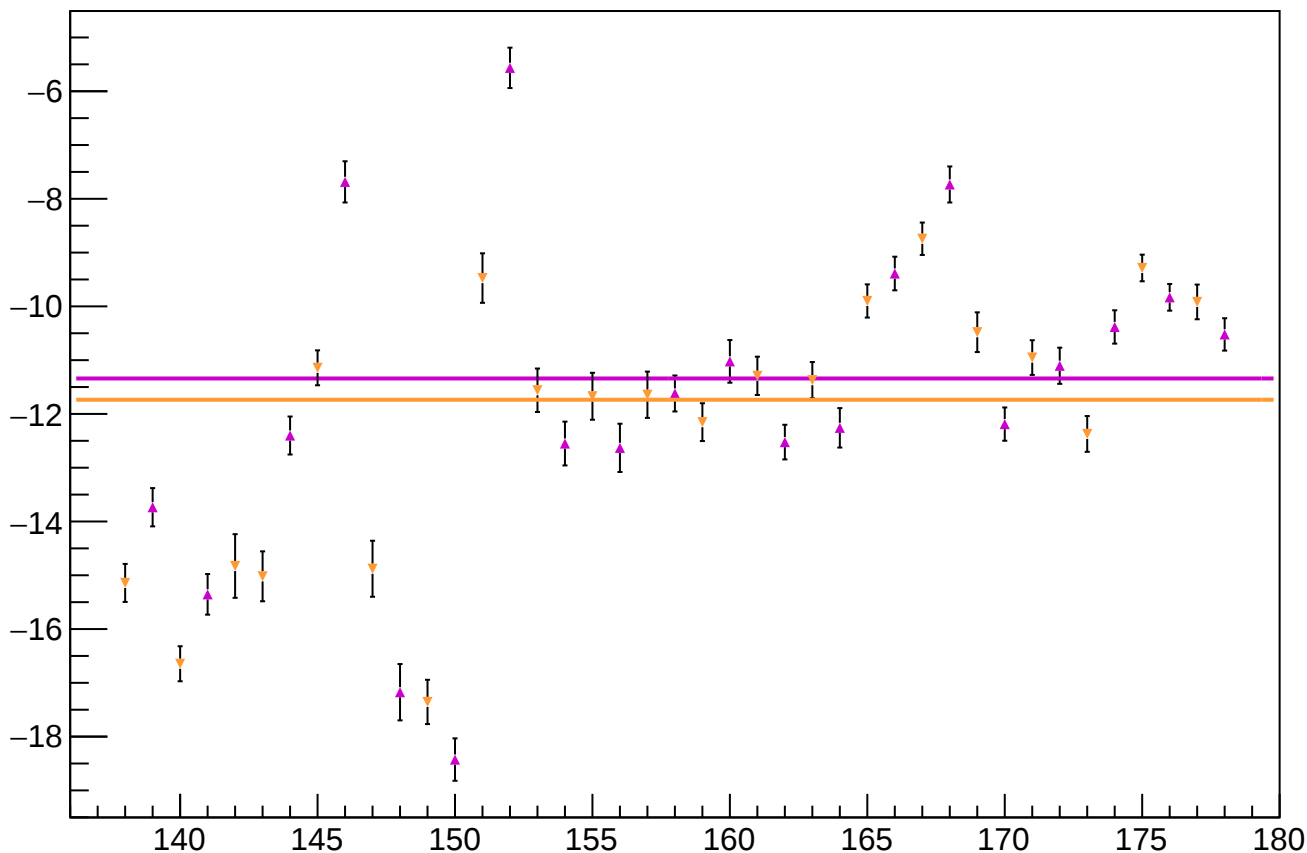
Left In: -0.476 ± 0.008 χ^2/NDF : 1248.4/19

+ sign -0.493 ± 0.008 χ^2/NDF : 993.3/37

All: -0.490 ± 0.005 χ^2/NDF : 2816.9/76

- sign -0.488 ± 0.008 χ^2/NDF : 1823.4/38

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



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

Left Out: -11.736 $\pm$ 0.078 χ^2 /NDF: 937.2/20

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

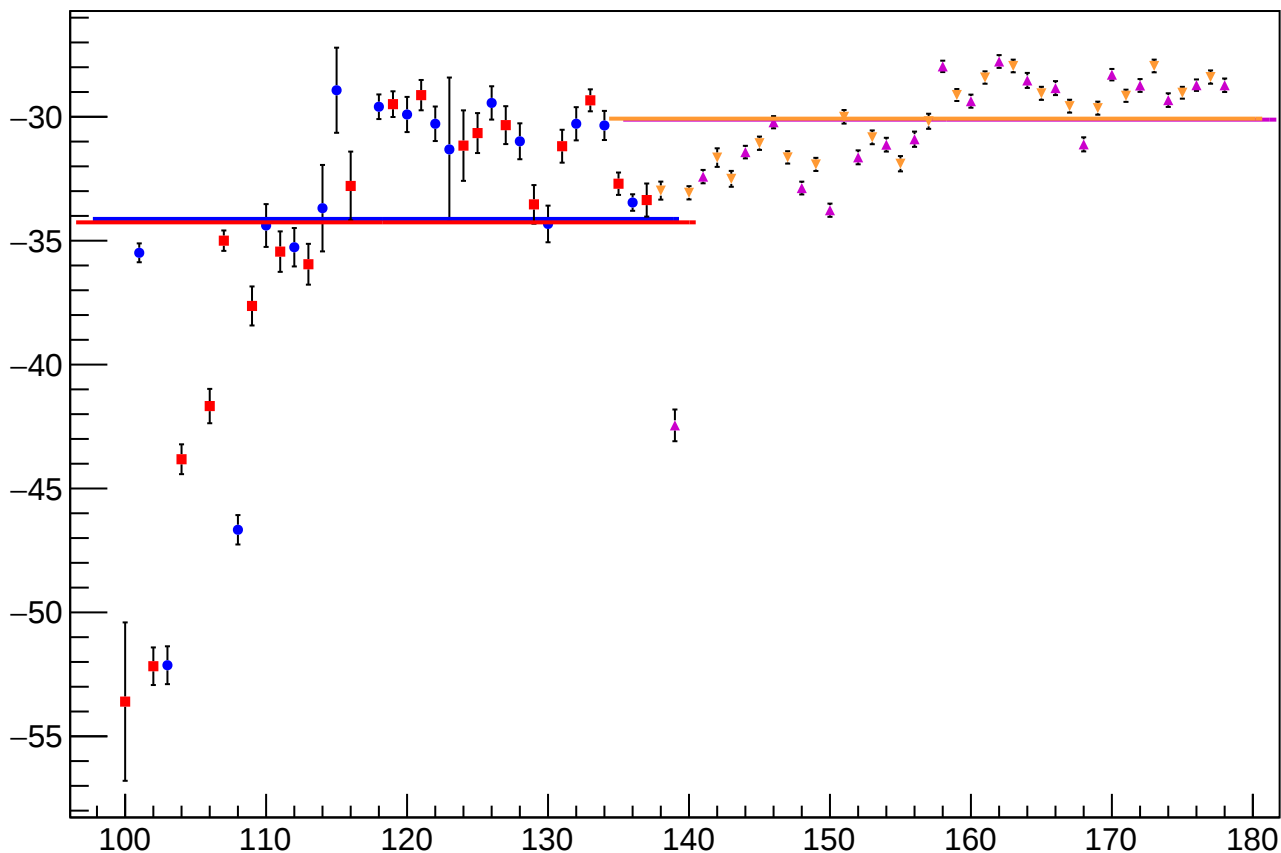
Left In: -11.341 $\pm$ 0.078 χ^2 /NDF: 1196.5/19

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

All: -11.537 $\pm$ 0.055 χ^2 /NDF: 2146.6/40

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

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -30.075 ± 0.059 $\chi^2/\text{NDF}: 697.8/20$

Right Out: -34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

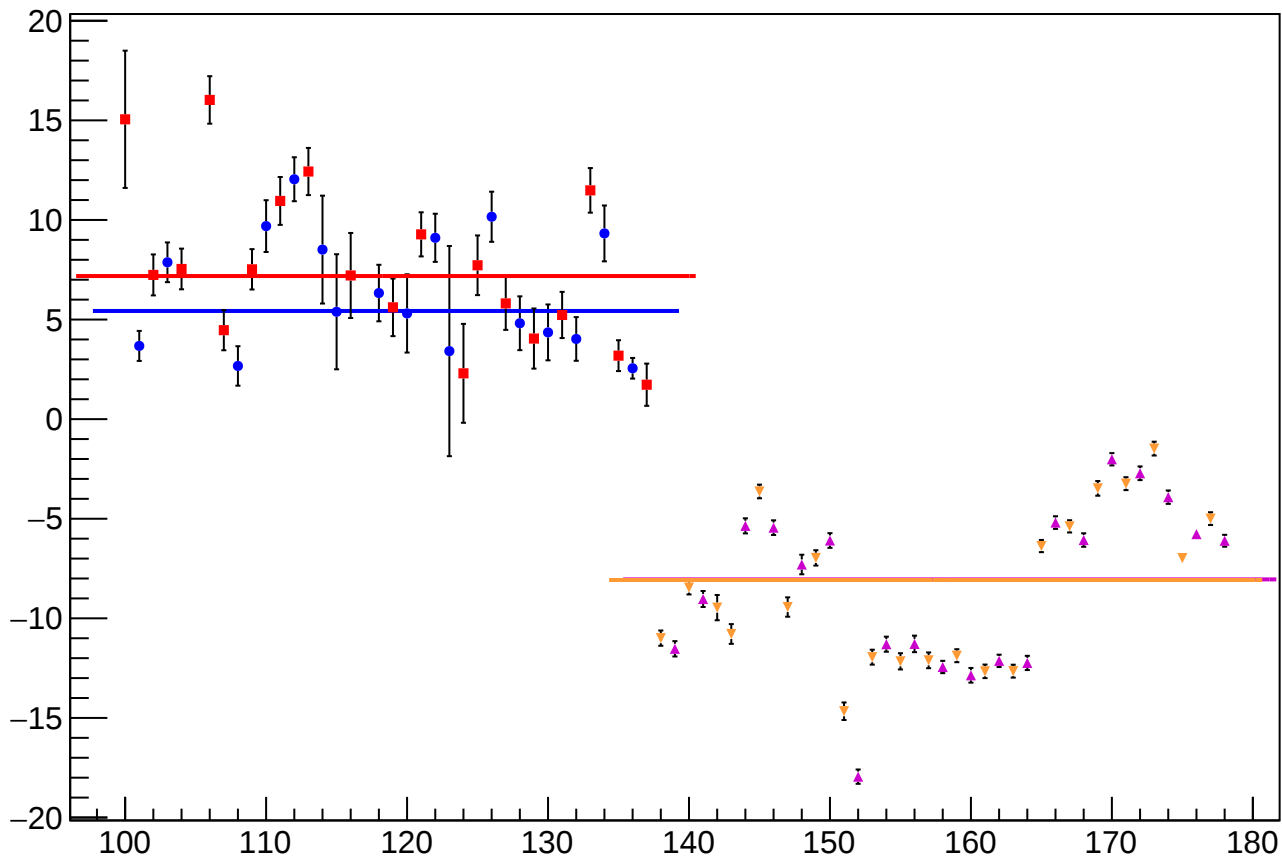
Left In: -30.115 ± 0.060 $\chi^2/\text{NDF}: 1218.8/19$

+ sign -30.610 ± 0.055 $\chi^2/\text{NDF}: 2637.0/37$

All: -30.647 ± 0.039 $\chi^2/\text{NDF}: 5862.9/76$

- sign -30.685 ± 0.056 $\chi^2/\text{NDF}: 3225.1/38$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -8.074 ± 0.078 χ^2/NDF : 2287.2/20

Right Out: 7.185 ± 0.274 χ^2/NDF : 182.1/18

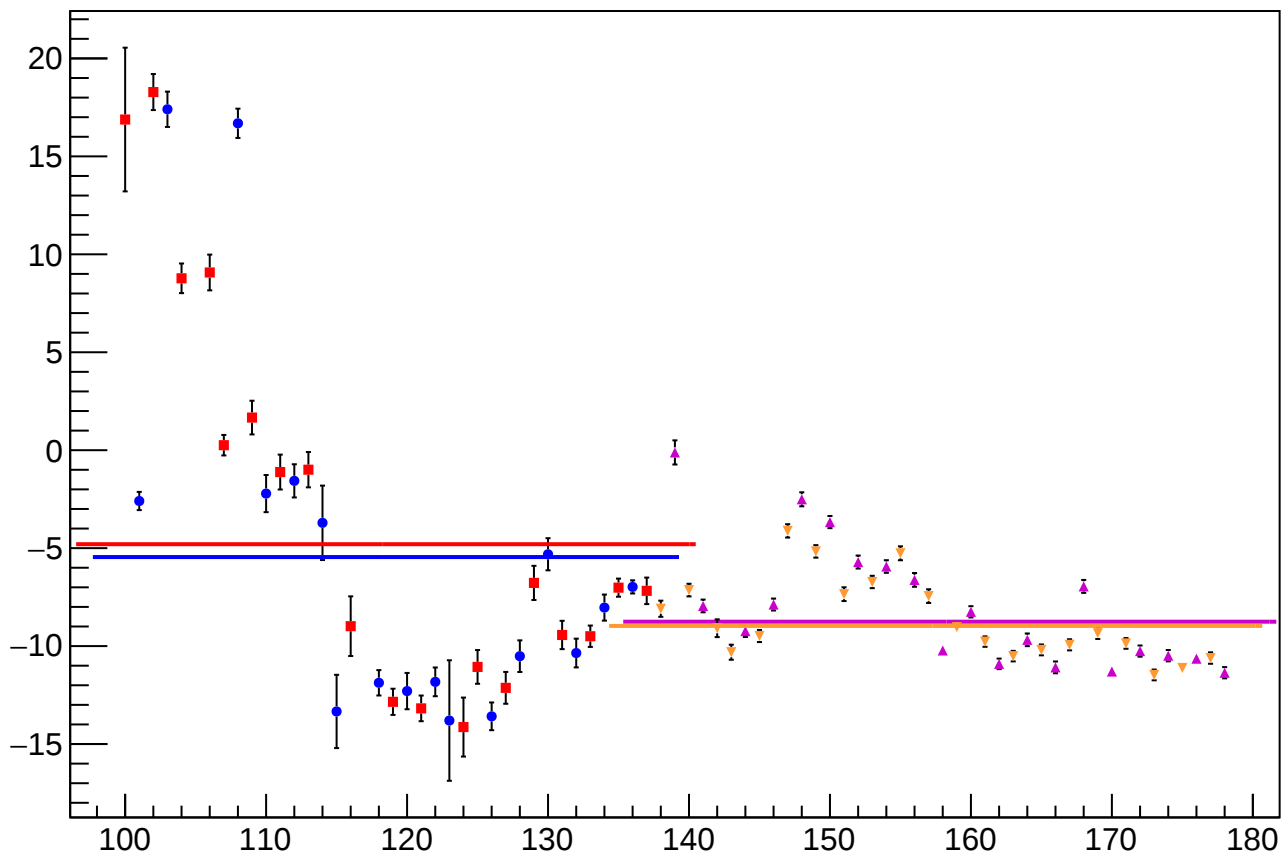
Left In: -8.045 ± 0.077 χ^2/NDF : 2811.5/19

+ sign -7.045 ± 0.075 χ^2/NDF : 4723.6/37

All: -6.991 ± 0.053 χ^2/NDF : 10574.1/76

- sign -6.939 ± 0.074 χ^2/NDF : 5849.4/38

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -8.970 ± 0.067 χ^2/NDF : 866.2/20

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

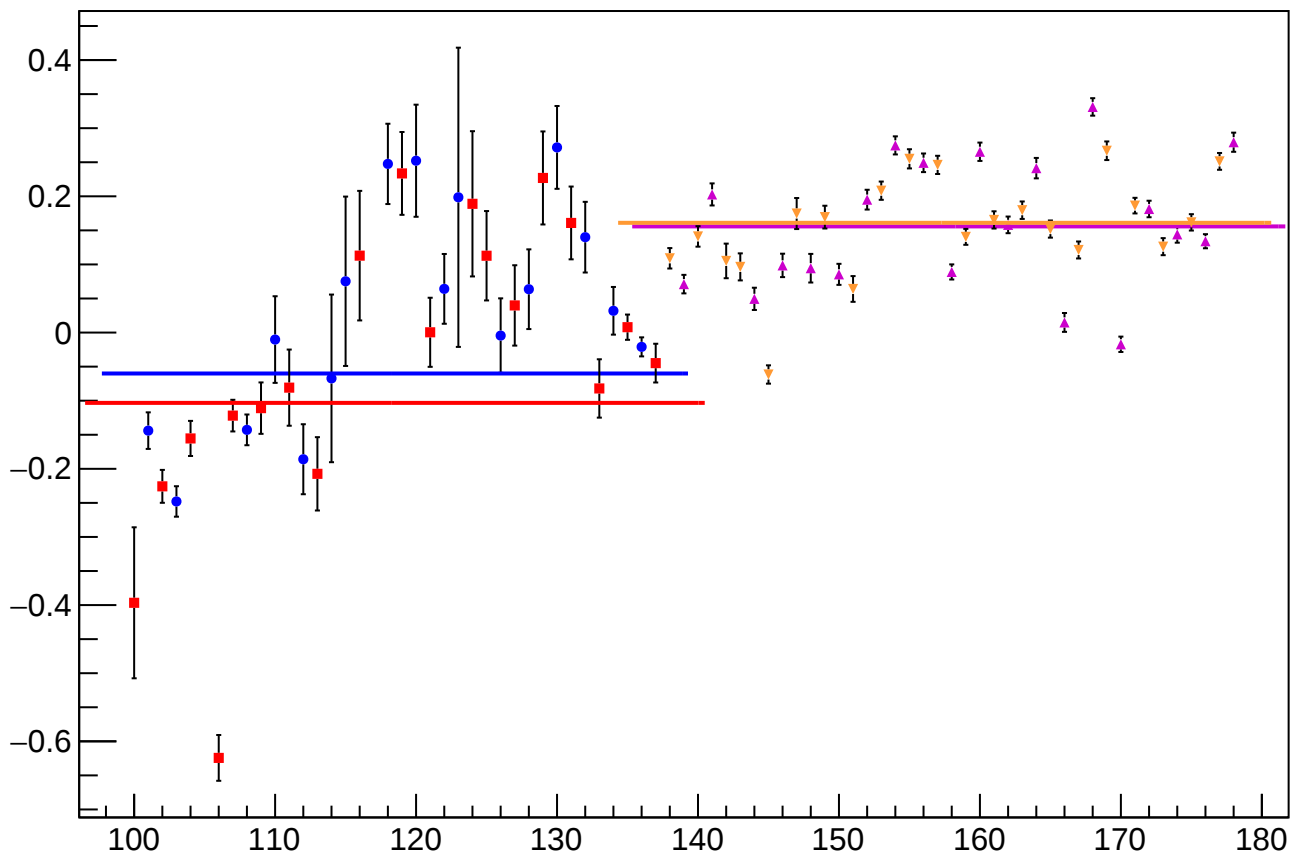
Left In: -8.754 ± 0.067 χ^2/NDF : 1494.6/19

+ sign -8.504 ± 0.062 χ^2/NDF : 3329.9/37

All: -8.370 ± 0.044 χ^2/NDF : 7335.8/76

- sign -8.233 ± 0.063 χ^2/NDF : 3996.4/38

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: 0.161 ± 0.003 χ^2/NDF : 570.0/20

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

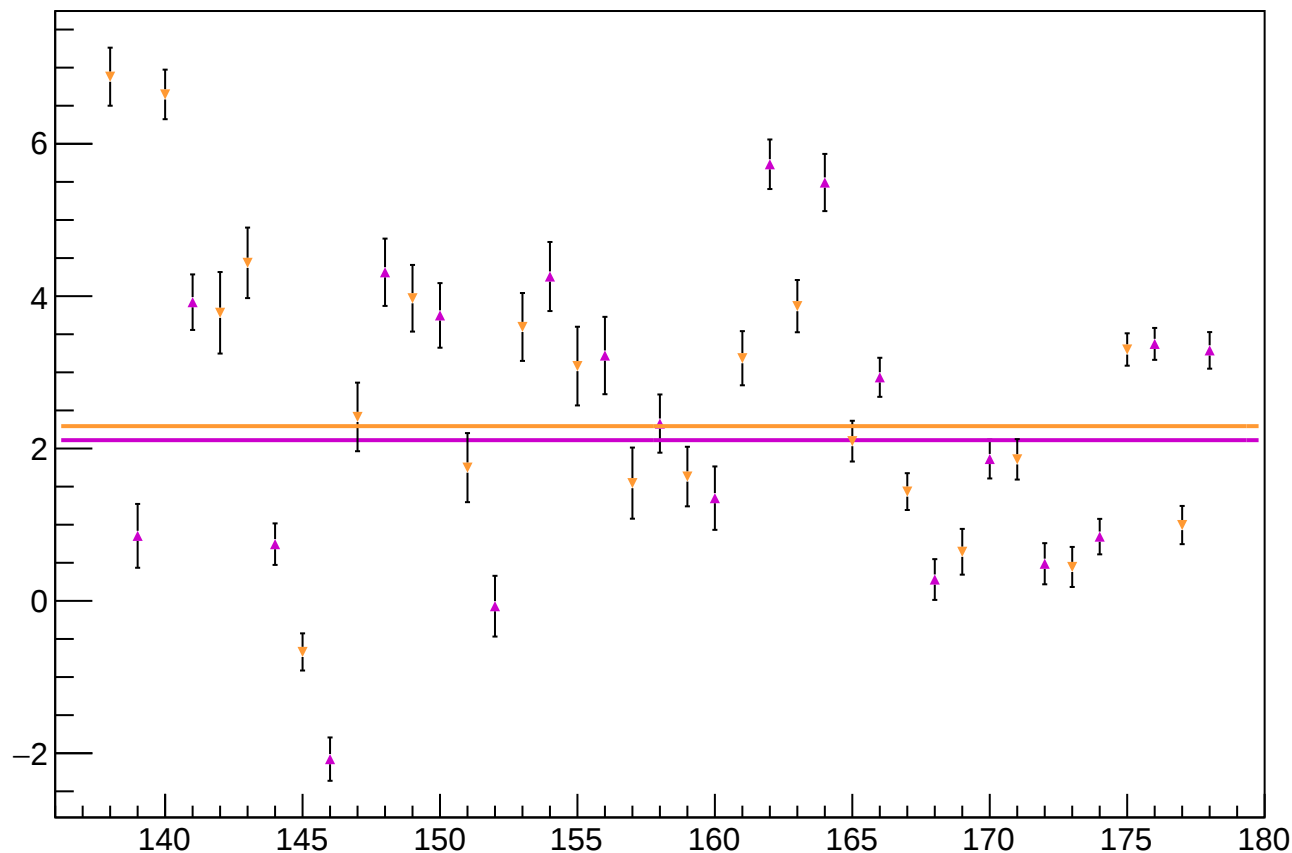
Left In: 0.156 ± 0.003 χ^2/NDF : 1012.6/19

+ sign 0.136 ± 0.003 χ^2/NDF : 1398.1/37

All: 0.131 ± 0.002 χ^2/NDF : 3685.9/76

- sign 0.127 ± 0.003 χ^2/NDF : 2282.9/38

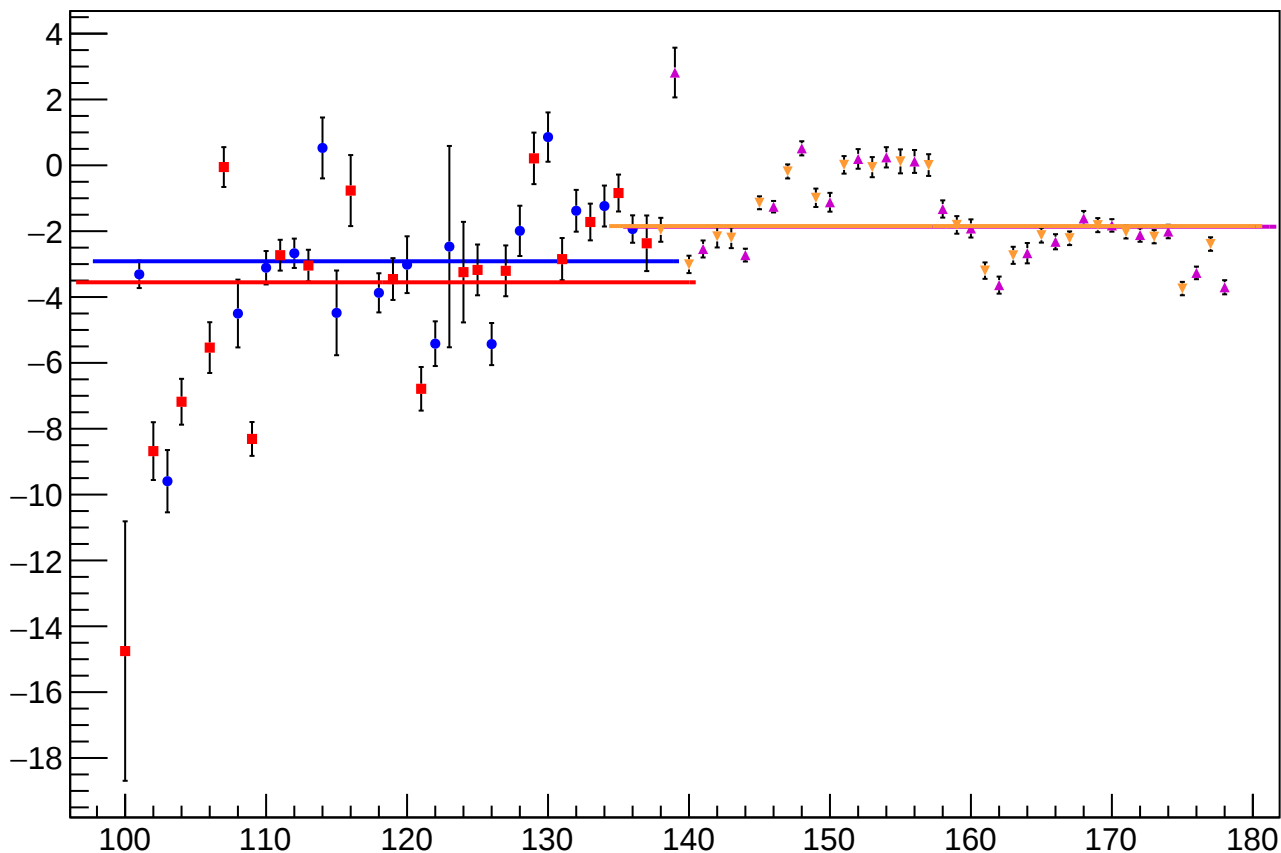
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.294+/-0.070 χ^2/NDF : 705.6/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.110+/-0.069 χ^2/NDF : 765.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: 2.200+/-0.049 χ^2/NDF : 1474.3/40
 - sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 $\pm$ 0.155 χ^2/NDF : 146.1/16

Left Out: -1.845 $\pm$ 0.053 χ^2/NDF : 391.3/20

Right Out: -3.553 $\pm$ 0.155 χ^2/NDF : 290.9/18

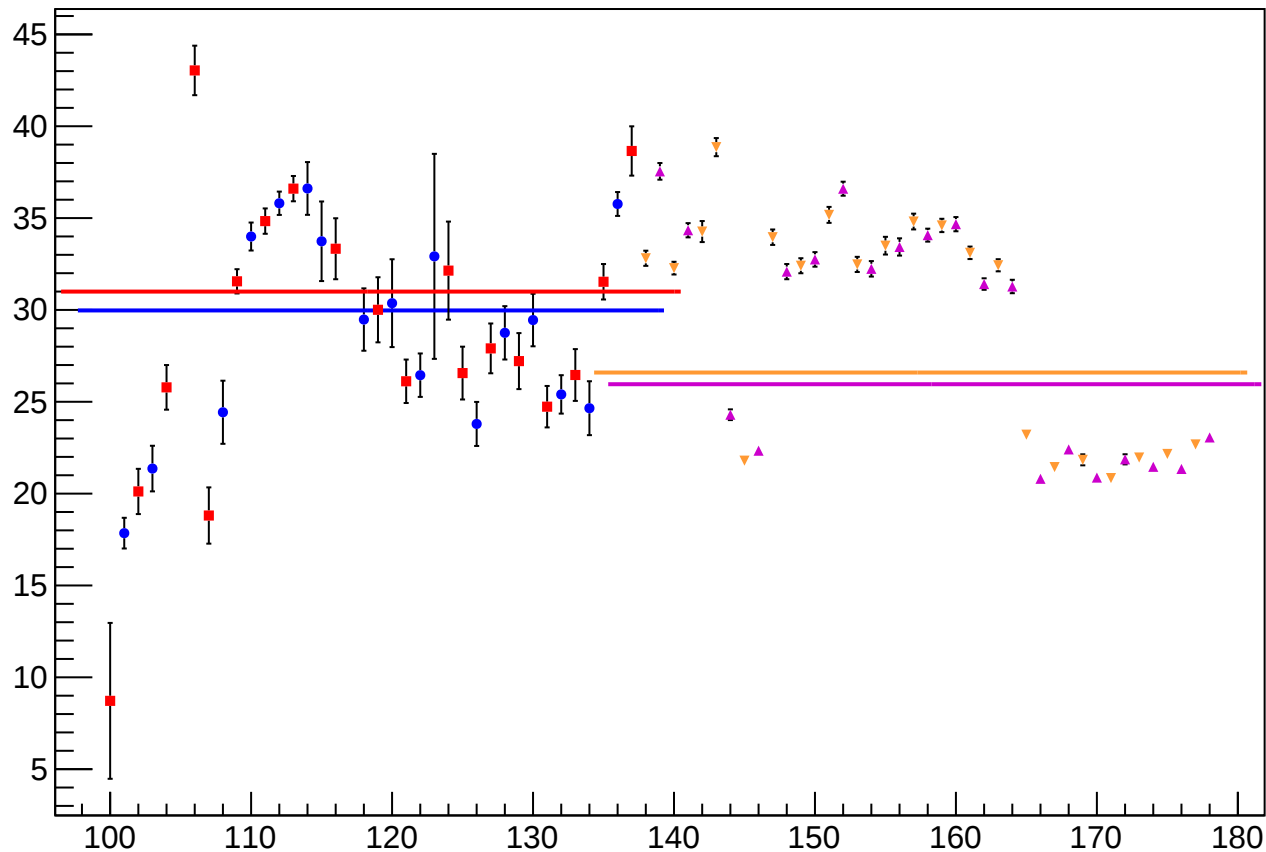
Left In: -1.864 $\pm$ 0.053 χ^2/NDF : 524.5/19

+ sign -1.959 $\pm$ 0.051 χ^2/NDF : 580.0/37

All: -2.001 $\pm$ 0.036 χ^2/NDF : 1503.4/76

- sign -2.042 $\pm$ 0.050 χ^2/NDF : 922.1/38

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 26.592 $\pm$ 0.071 χ^2 /NDF: 6747.0/20

Right Out: 30.999 $\pm$ 0.260 χ^2 /NDF: 479.5/18

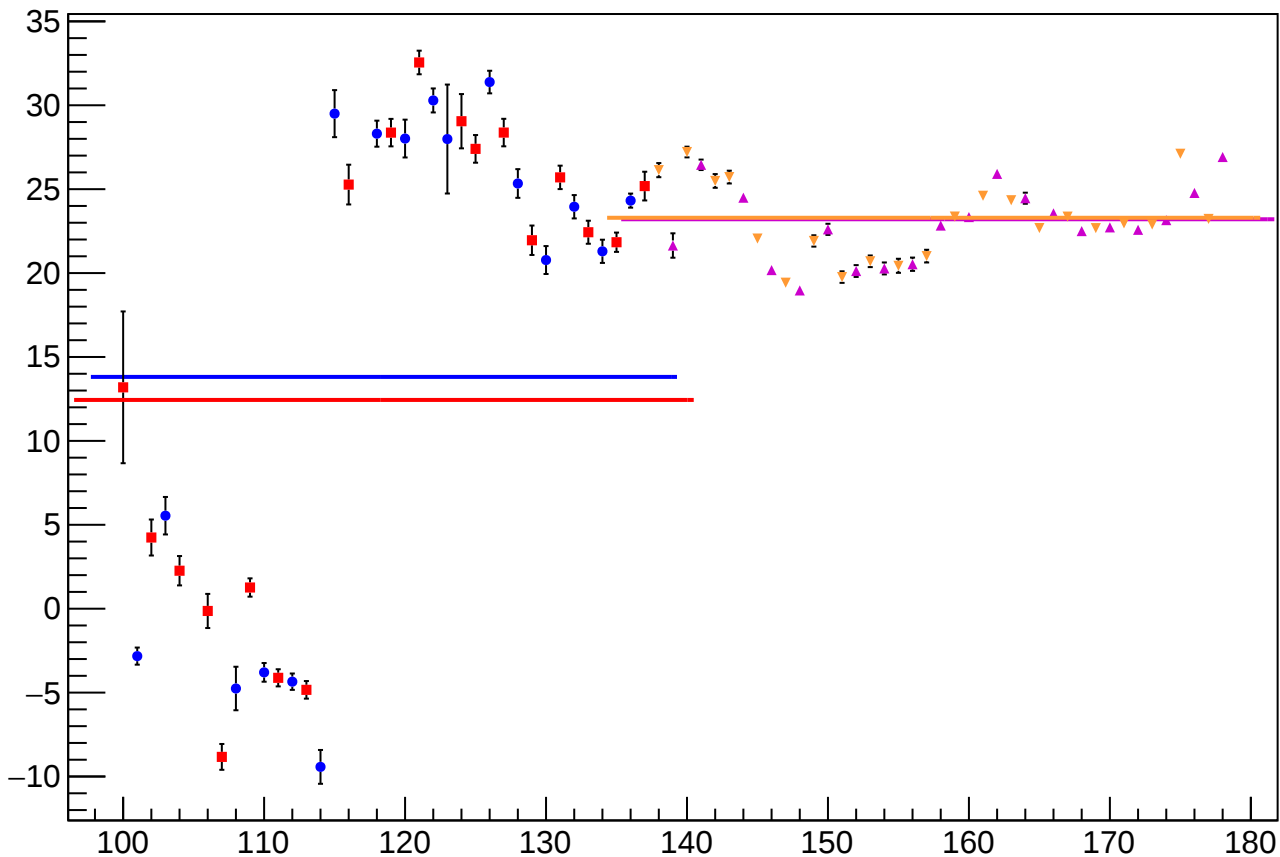
Left In: 25.956 $\pm$ 0.069 χ^2 /NDF: 6779.0/19

+ sign 26.812 $\pm$ 0.068 χ^2 /NDF: 7450.8/37

All: 26.542 $\pm$ 0.048 χ^2 /NDF: 15091.3/76

- sign 26.286 $\pm$ 0.066 χ^2 /NDF: 7609.9/38

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 23.296 $\pm$ 0.060 χ^2 /NDF:1104.1/20

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

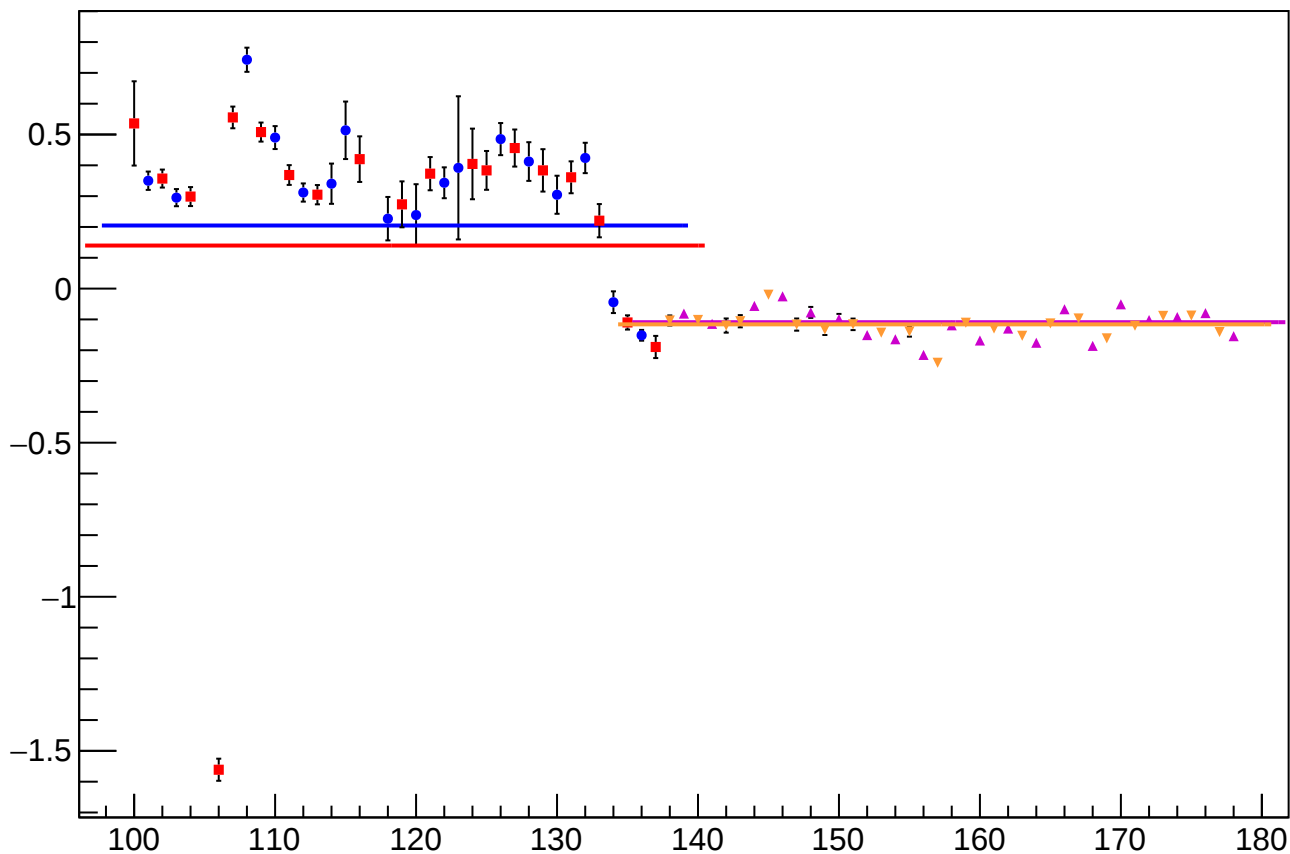
Left In: 23.207 $\pm$ 0.060 χ^2 /NDF:1190.6/19

+ sign 22.265 $\pm$ 0.057 χ^2 /NDF: 11110.8/37

All: 22.164 $\pm$ 0.040 χ^2 /NDF: 22711.3/76

- sign 22.065 $\pm$ 0.057 χ^2 /NDF: 11594.3/38

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.116 ± 0.003 χ^2/NDF : 223.7/20

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

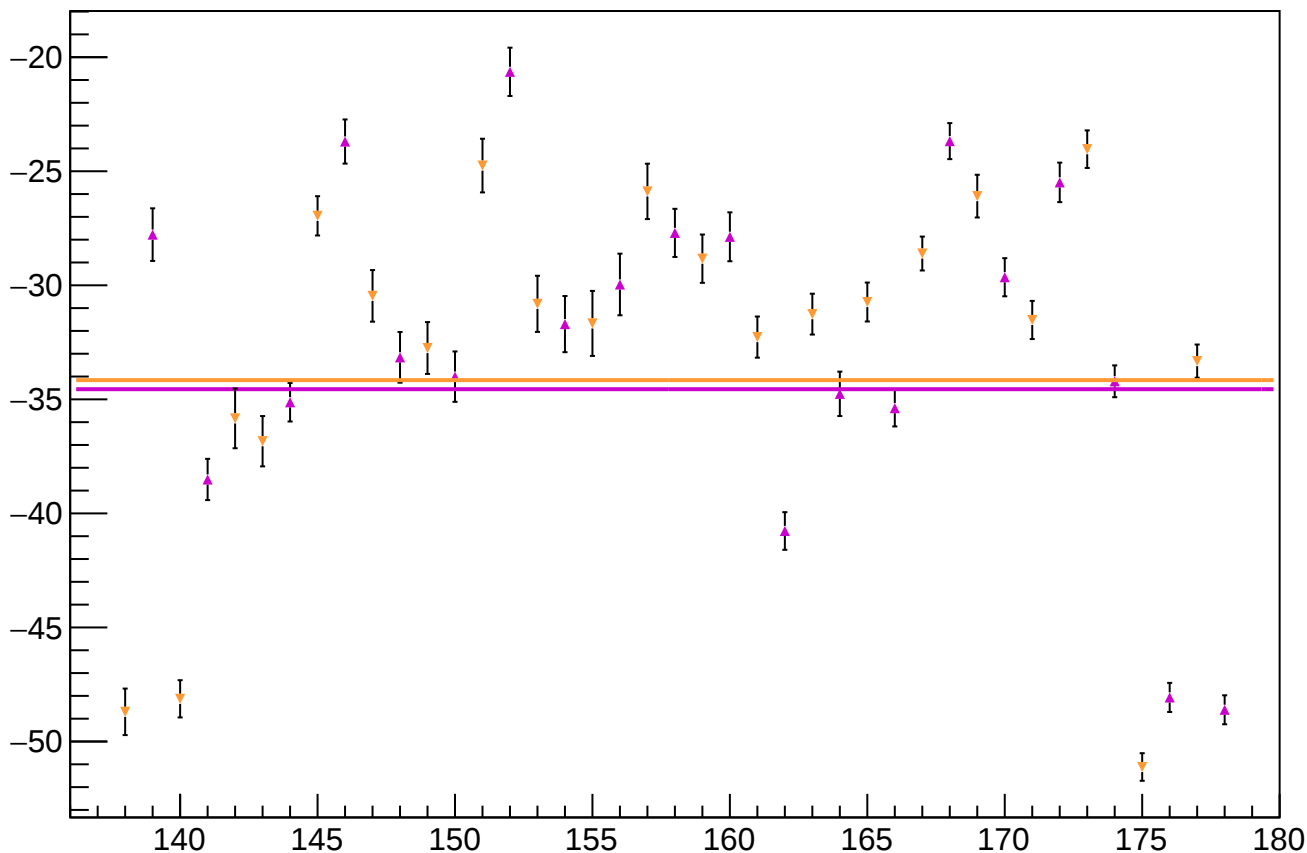
Left In: -0.109 ± 0.003 χ^2/NDF : 317.0/19

+ sign -0.090 ± 0.003 χ^2/NDF : 2146.0/37

All: -0.090 ± 0.002 χ^2/NDF : 6148.0/76

- sign -0.089 ± 0.003 χ^2/NDF : 4001.9/38

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.158+/-0.202 χ^2 /NDF:1840.9/20

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

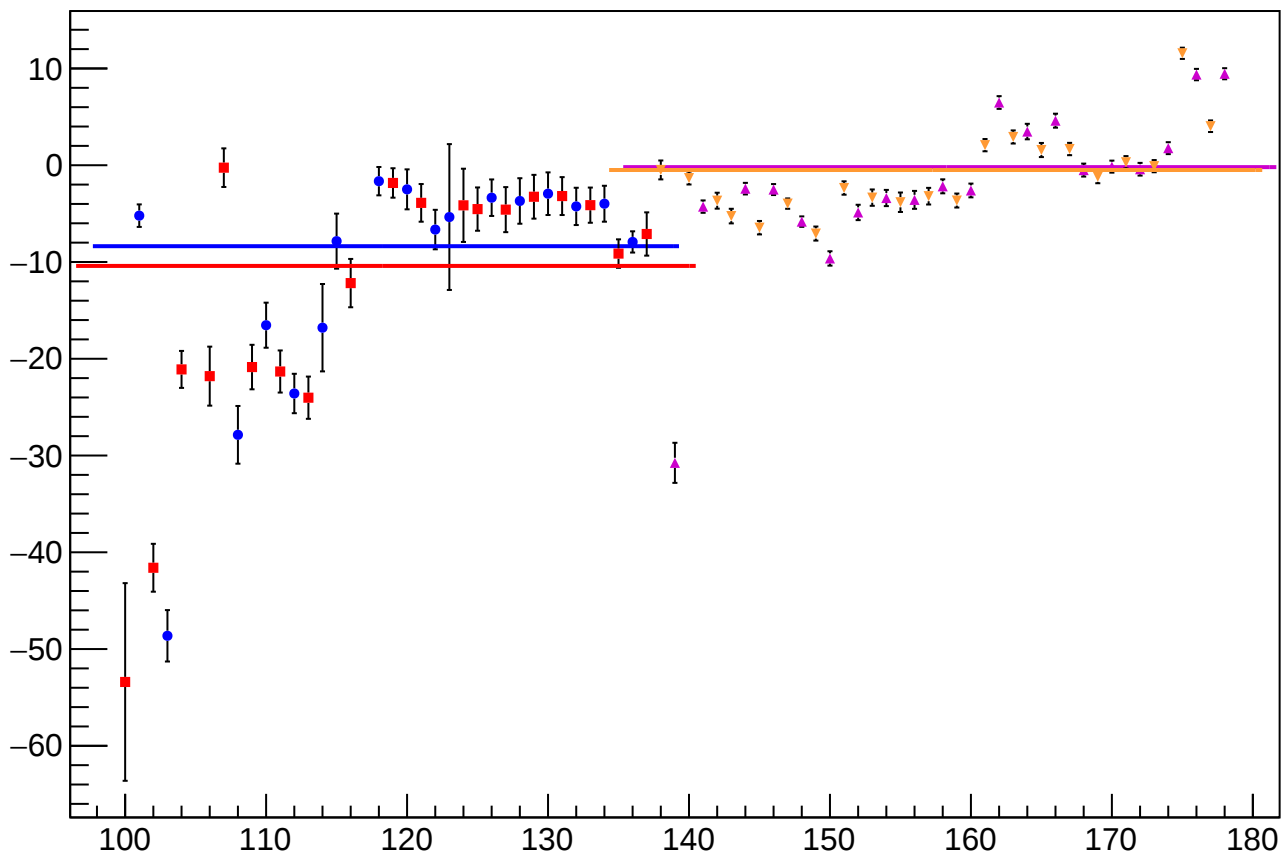
Left In: -34.555+/-0.198 χ^2 /NDF:1782.6/19

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -34.360+/-0.142 χ^2 /NDF: 3625.4/40

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -0.493 ± 0.151 χ^2/NDF : 863.6/20

Right Out: -10.405 ± 0.491 χ^2/NDF : 430.3/18

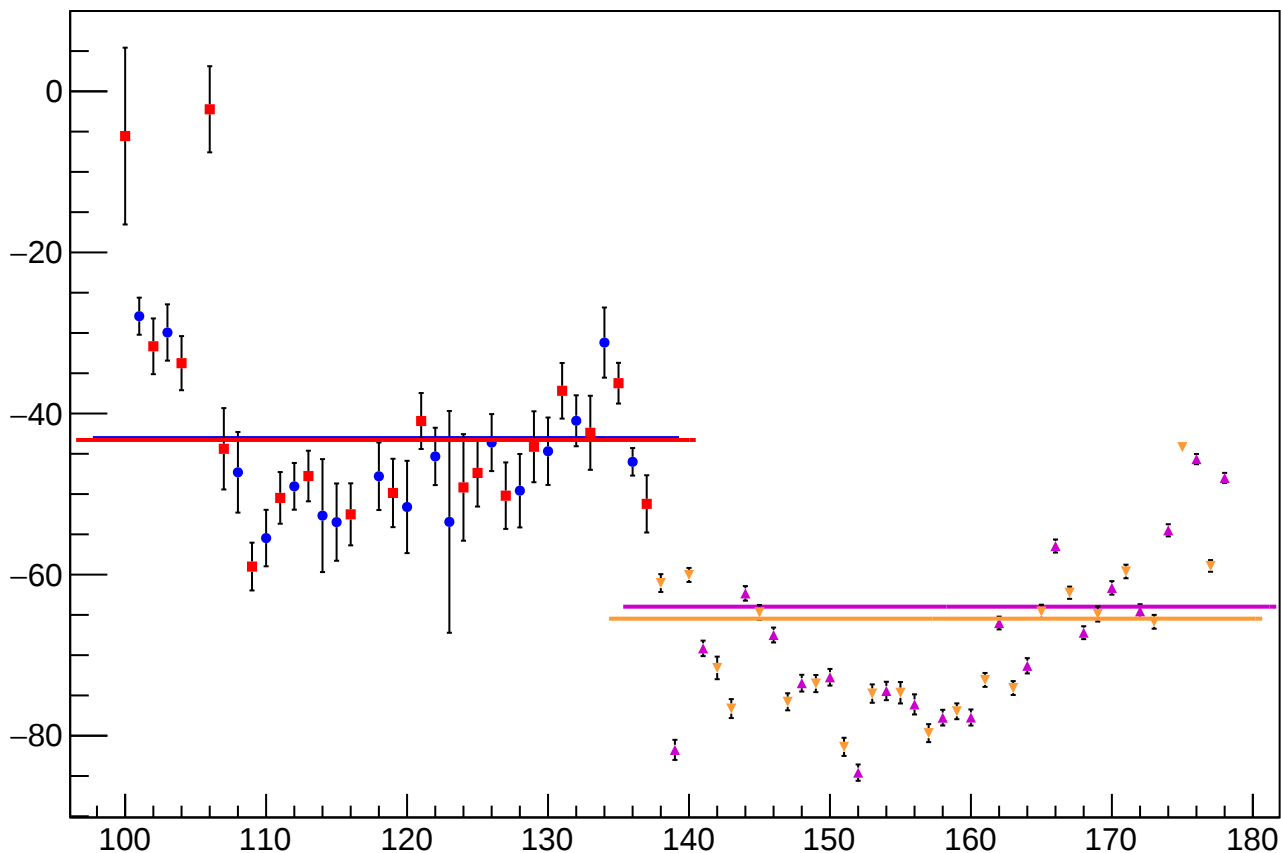
Left In: -0.195 ± 0.152 χ^2/NDF : 1365.9/19

+ sign -1.244 ± 0.144 χ^2/NDF : 1530.7/37

All: -1.166 ± 0.102 χ^2/NDF : 3722.1/76

- sign -1.087 ± 0.145 χ^2/NDF : 2190.8/38

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$

Left Out: -65.468 ± 0.201 $\chi^2/\text{NDF}: 2494.1/20$

Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$

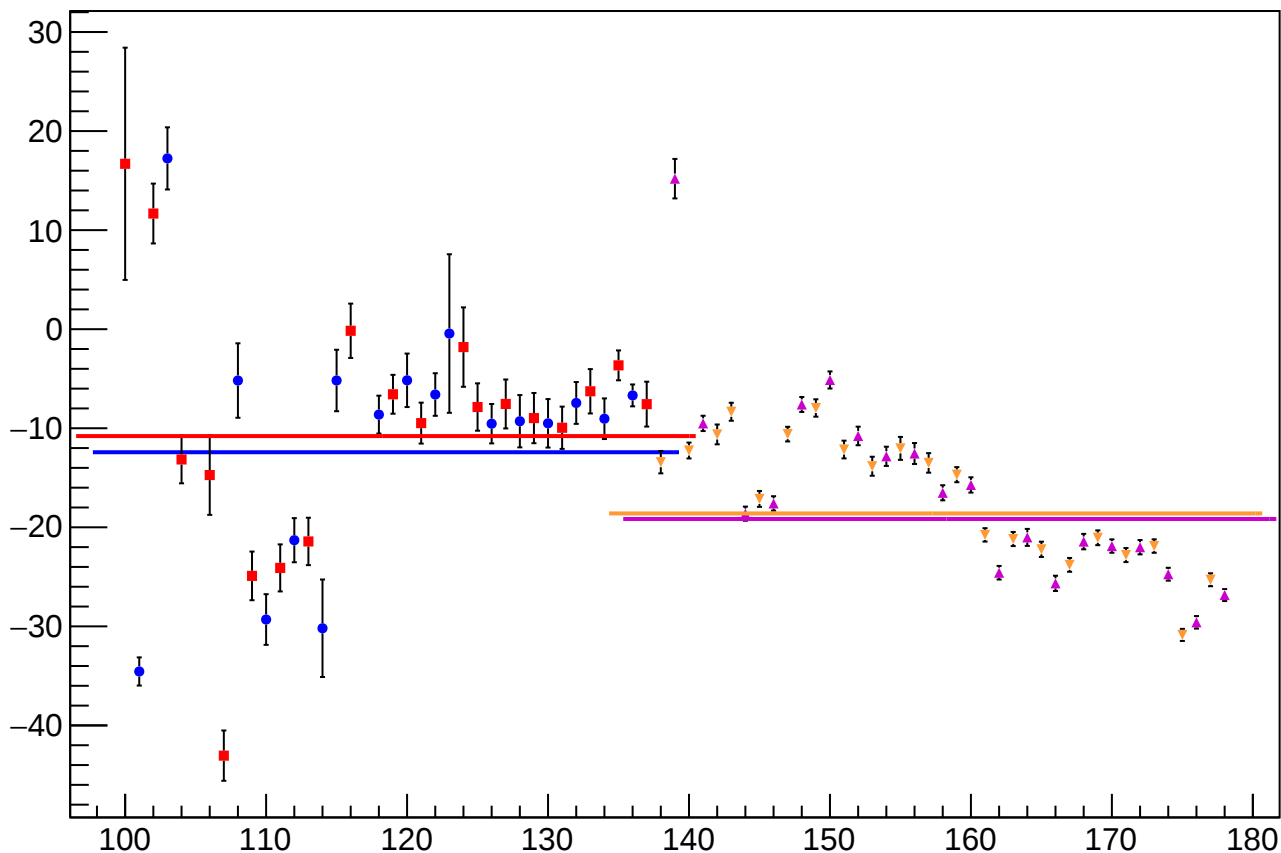
Left In: -63.981 ± 0.197 $\chi^2/\text{NDF}: 3203.2/19$

+ sign -64.241 ± 0.196 $\chi^2/\text{NDF}: 3271.0/37$

All: -63.590 ± 0.137 $\chi^2/\text{NDF}: 7192.0/76$

- sign -62.961 ± 0.193 $\chi^2/\text{NDF}: 3899.2/38$

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: -18.598 ± 0.172 χ^2/NDF : 1383.5/20

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

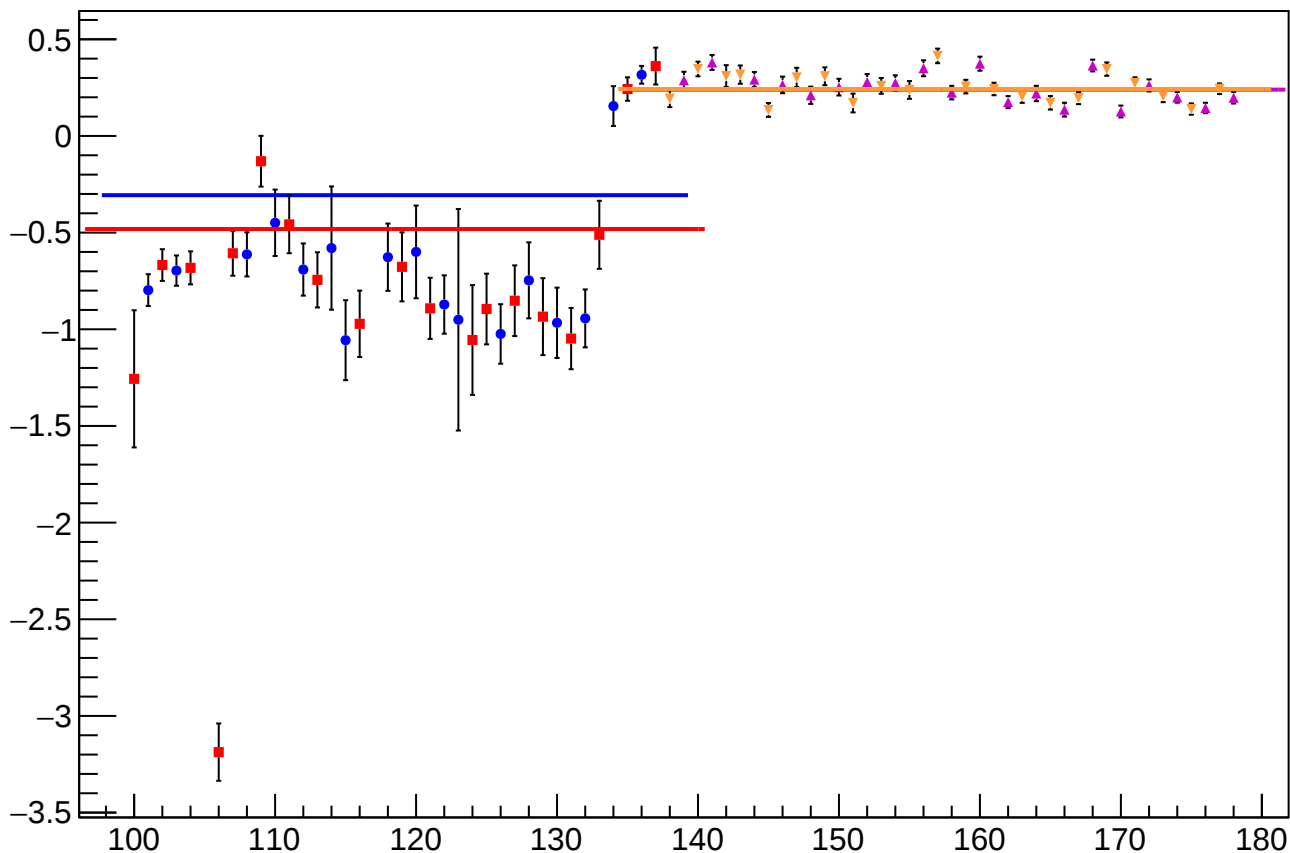
Left In: -19.160 ± 0.172 χ^2/NDF : 1835.2/19

+ sign -17.997 ± 0.163 χ^2/NDF : 1983.8/37

All: -18.210 ± 0.116 χ^2/NDF : 4396.5/76

- sign -18.425 ± 0.164 χ^2/NDF : 2409.3/38

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: 0.243 ± 0.008 χ^2/NDF : 80.0/20

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

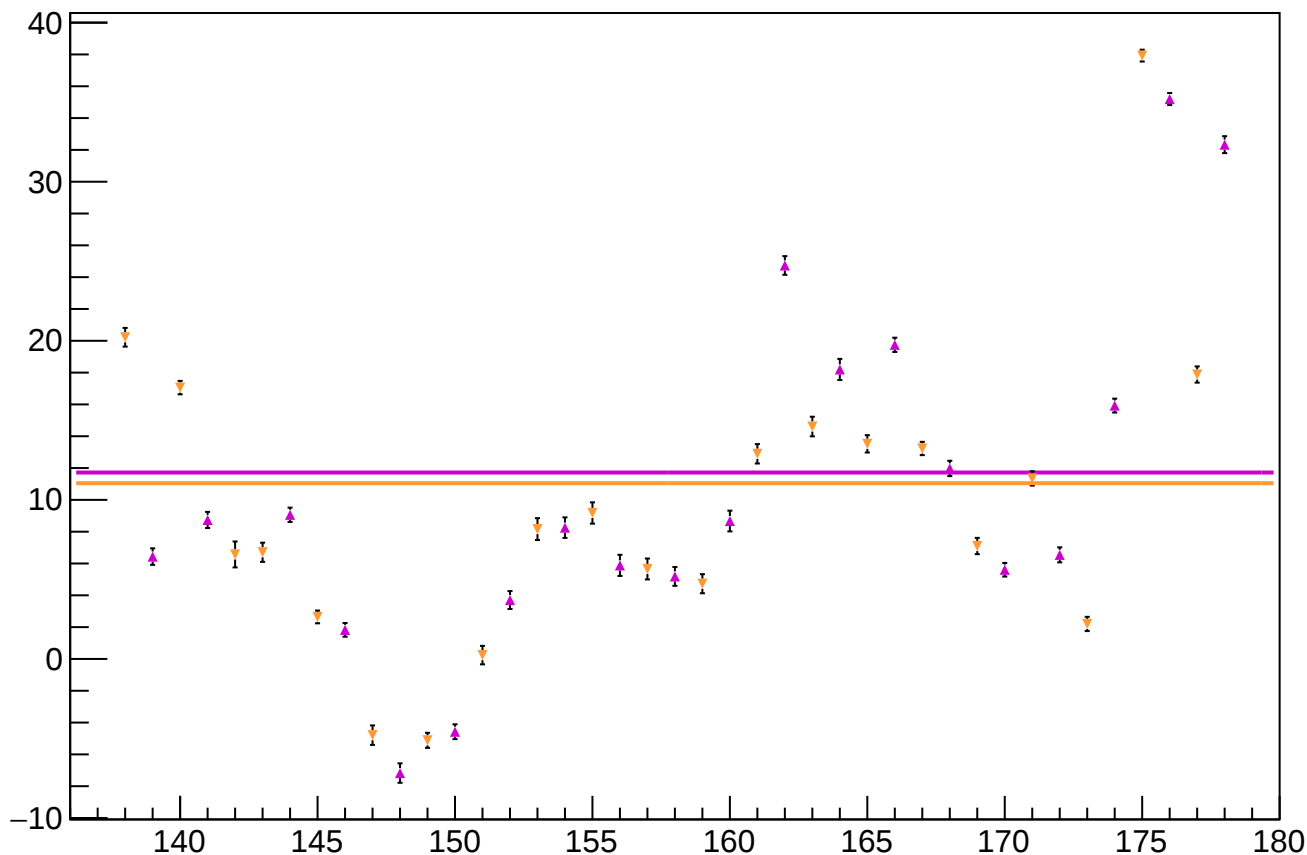
Left In: 0.240 ± 0.008 χ^2/NDF : 100.0/19

+ sign 0.201 ± 0.008 χ^2/NDF : 818.2/37

All: 0.195 ± 0.005 χ^2/NDF : 2138.8/76

- sign 0.189 ± 0.008 χ^2/NDF : 1319.3/38

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: 11.048 $\pm$ 0.114 χ^2/NDF :9273.6/20

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

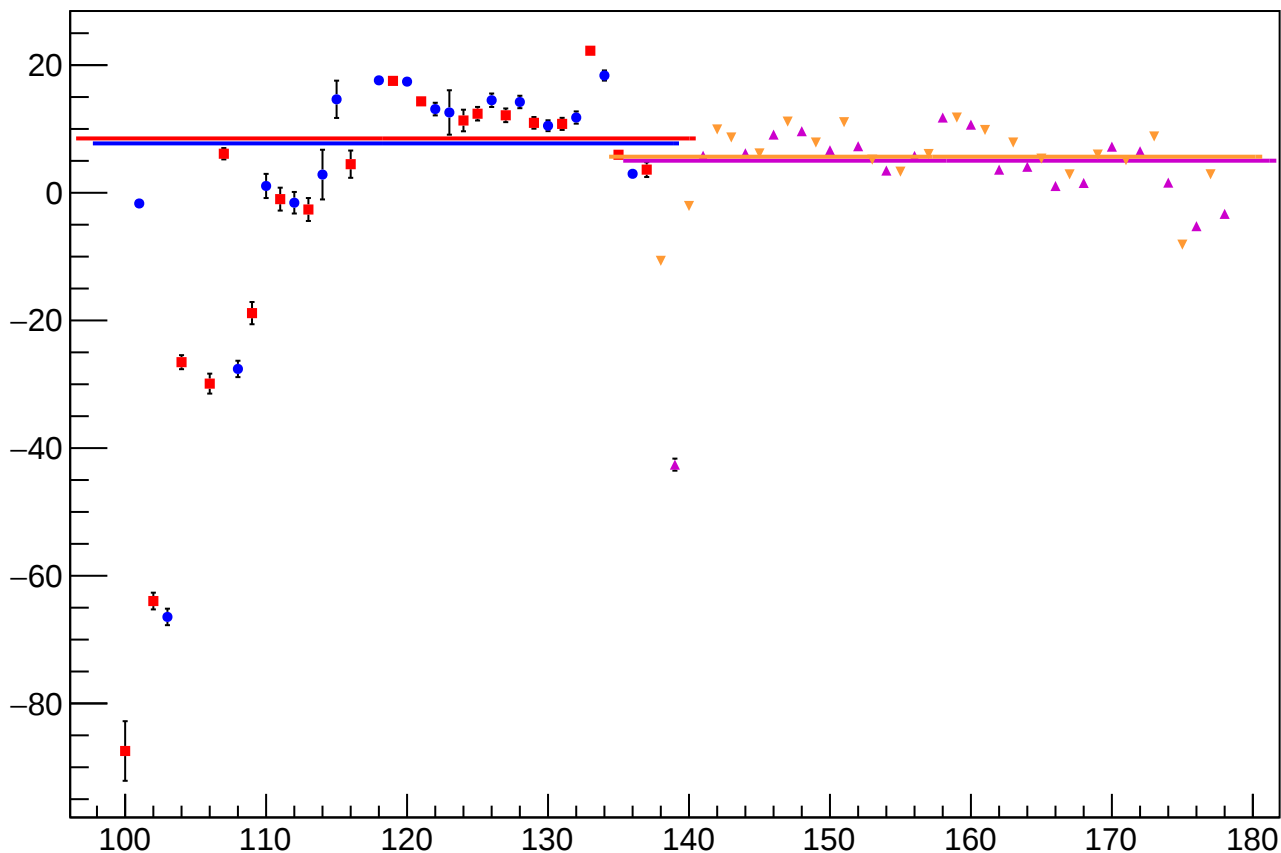
Left In: 11.719 $\pm$ 0.113 χ^2/NDF :9989.2/19

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

All: 11.385 $\pm$ 0.080 χ^2/NDF : 19280.4/40

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

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: 7.737 ± 0.218 $\chi^2/\text{NDF}: 5300.6/16$

Left Out: 5.653 ± 0.085 $\chi^2/\text{NDF}: 4043.4/20$

Right Out: 8.514 ± 0.213 $\chi^2/\text{NDF}: 6719.4/18$

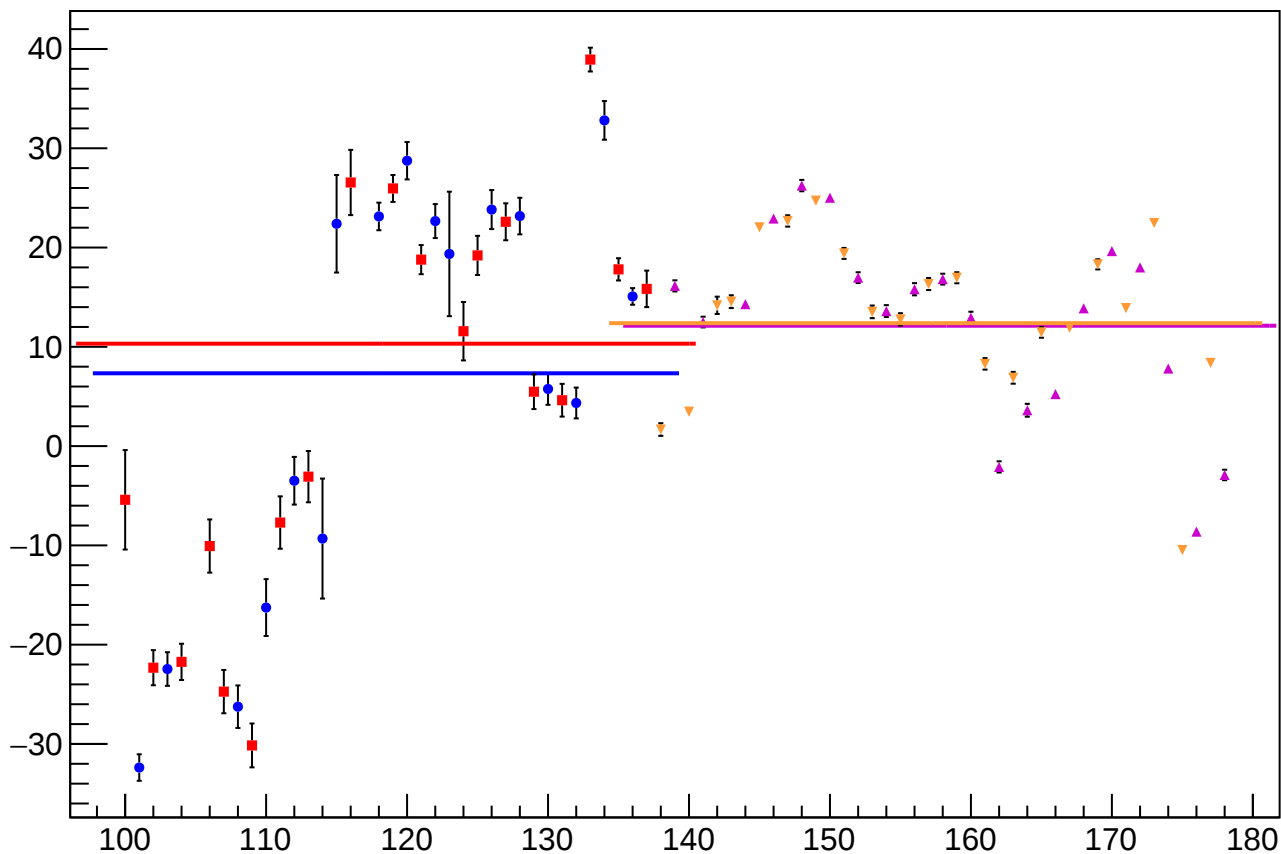
Left In: 5.026 ± 0.086 $\chi^2/\text{NDF}: 4991.4/19$

+ sign 5.925 ± 0.079 $\chi^2/\text{NDF}: 9423.4/37$

All: 5.722 ± 0.056 $\chi^2/\text{NDF}: 21377.8/76$

- sign 5.513 ± 0.080 $\chi^2/\text{NDF}: 11940.9/38$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 7.333 $\pm$ 0.419 χ^2 /NDF: 2293.1/16

Left Out: 12.383 $\pm$ 0.113 χ^2 /NDF: 7160.9/20

Right Out: 10.317 $\pm$ 0.417 χ^2 /NDF: 2281.5/18

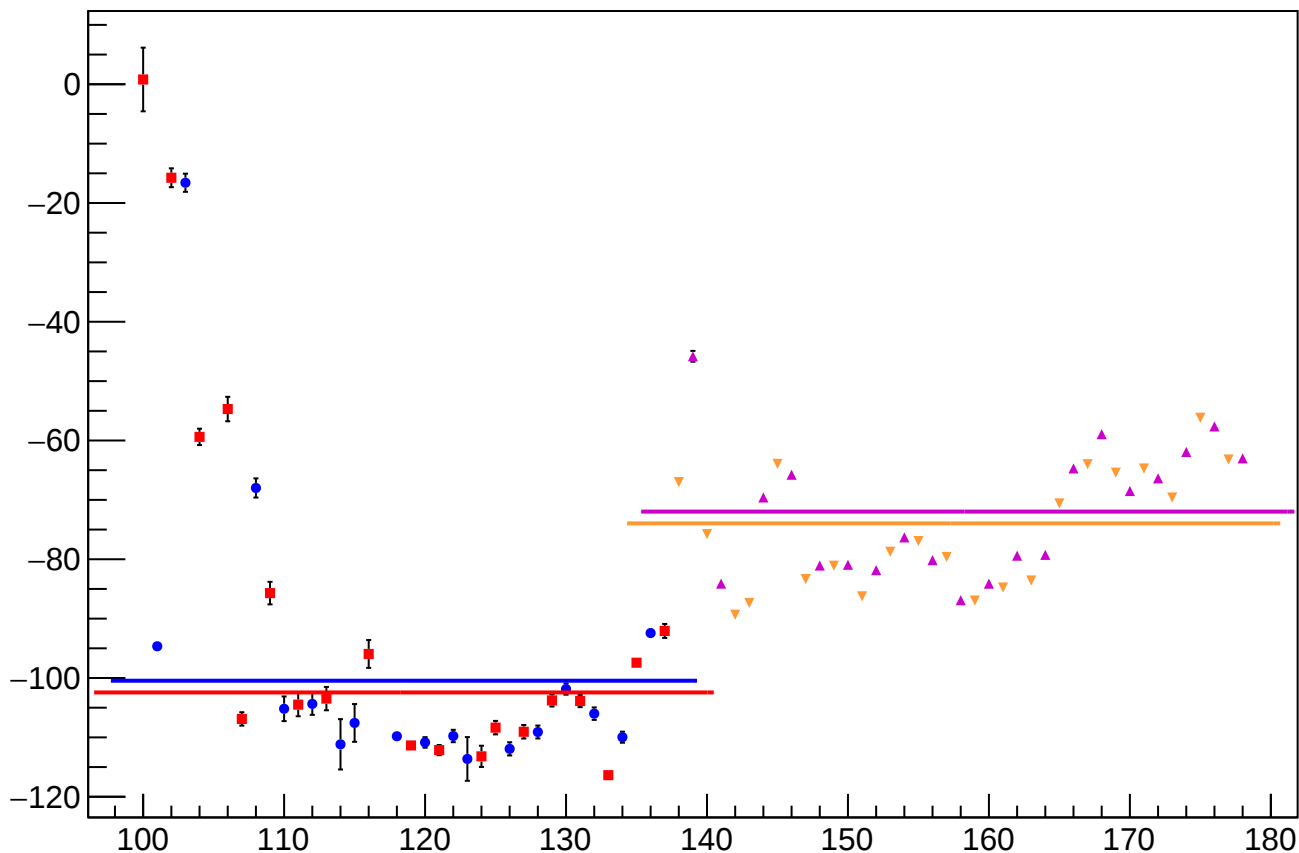
Left In: 12.127 $\pm$ 0.112 χ^2 /NDF: 7882.0/19

+ sign 12.039 $\pm$ 0.109 χ^2 /NDF: 9589.7/37

All: 12.021 $\pm$ 0.077 χ^2 /NDF: 19770.9/76

- sign 12.004 $\pm$ 0.108 χ^2 /NDF: 10181.1/38

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -73.956 ± 0.097 χ^2/NDF : 10536.1/20

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

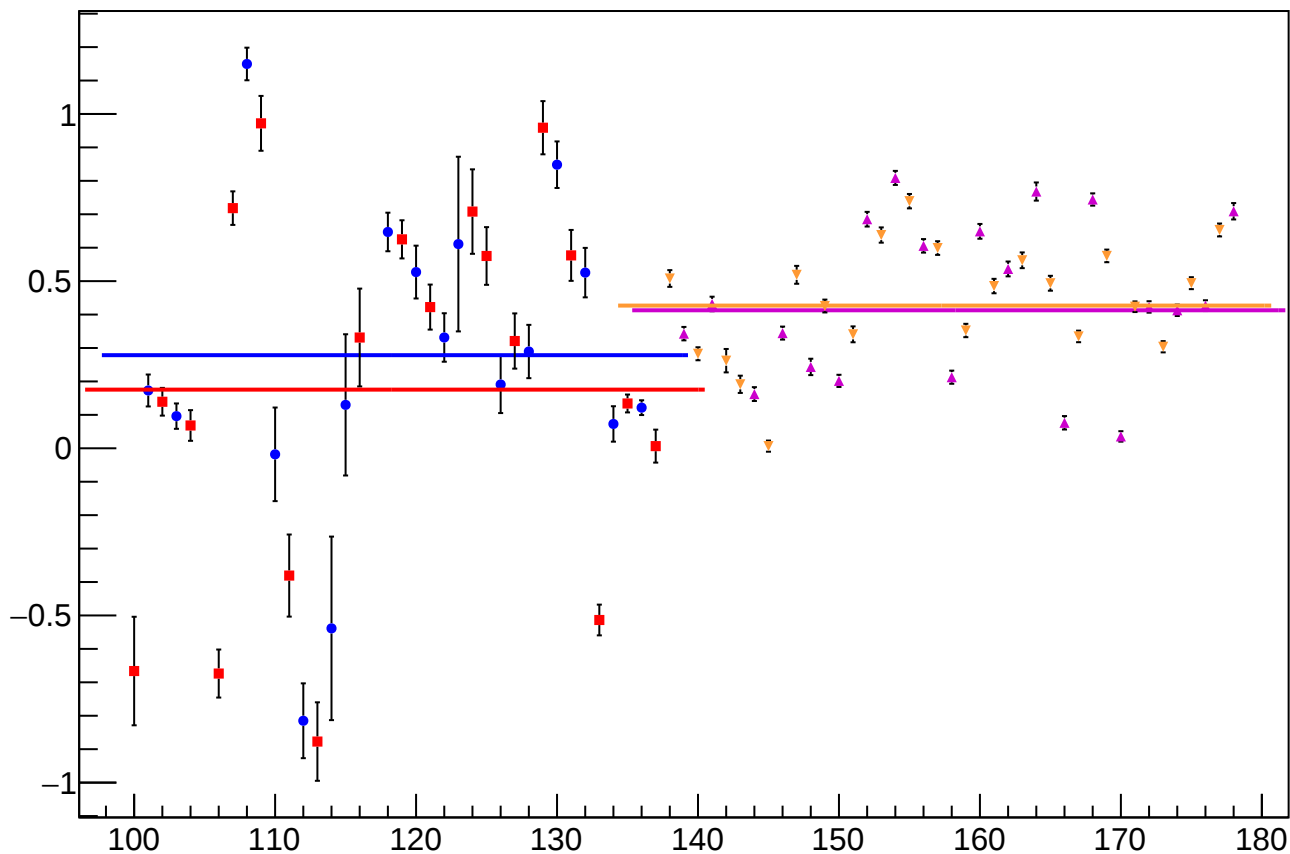
Left In: -71.973 ± 0.098 χ^2/NDF : 9682.3/19

+ sign -77.384 ± 0.090 χ^2/NDF : 24722.5/37

All: -76.755 ± 0.064 χ^2/NDF : 53813.3/76

- sign -76.117 ± 0.091 χ^2/NDF : 28992.8/38

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.427 ± 0.004 χ^2/NDF : 1556.1/20

Right Out: 0.175 ± 0.013 χ^2/NDF : 967.7/18

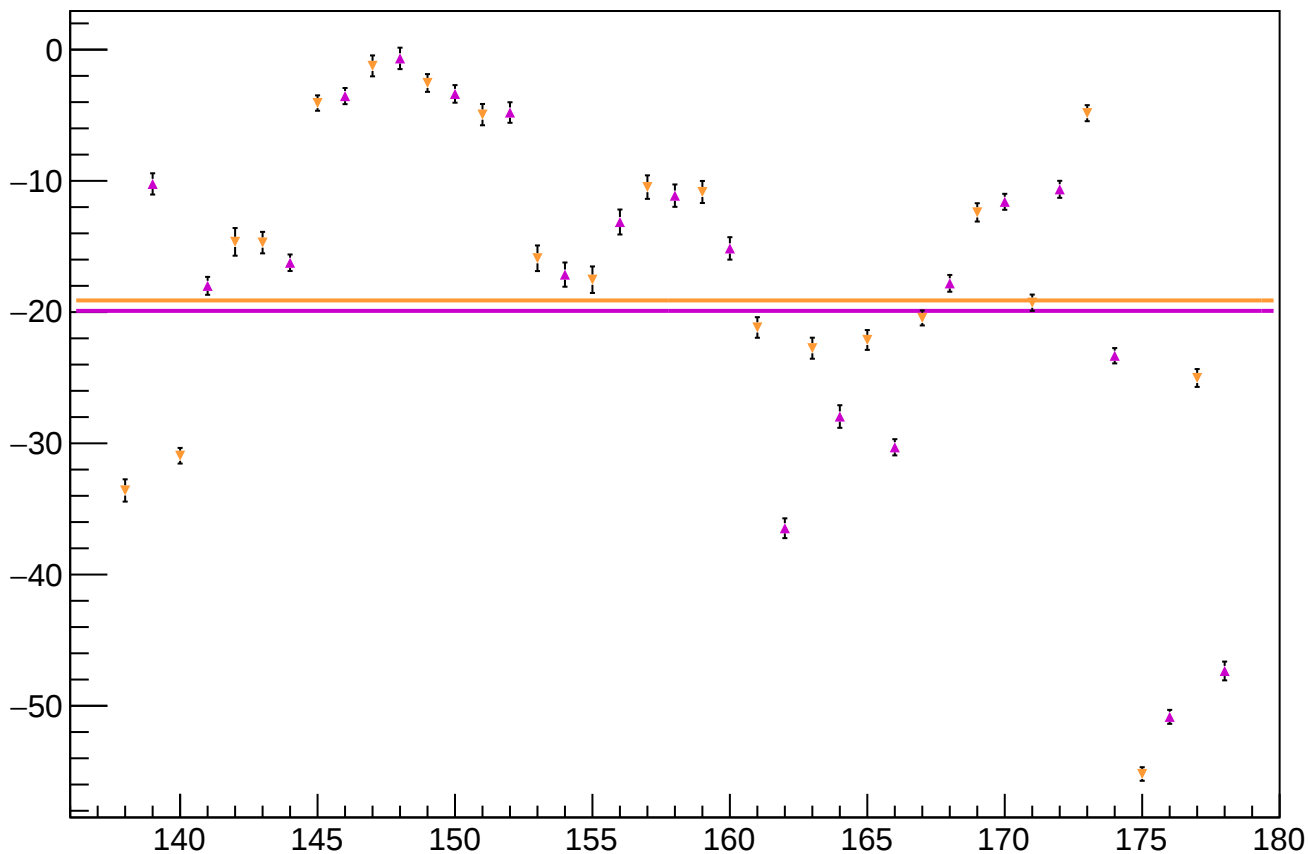
Left In: 0.413 ± 0.004 χ^2/NDF : 2705.5/19

+ sign 0.412 ± 0.004 χ^2/NDF : 2318.6/37

All: 0.401 ± 0.003 χ^2/NDF : 6286.1/76

- sign 0.390 ± 0.004 χ^2/NDF : 3952.9/38

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -19.112+/-0.157 χ^2/NDF : 8608.1/20

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

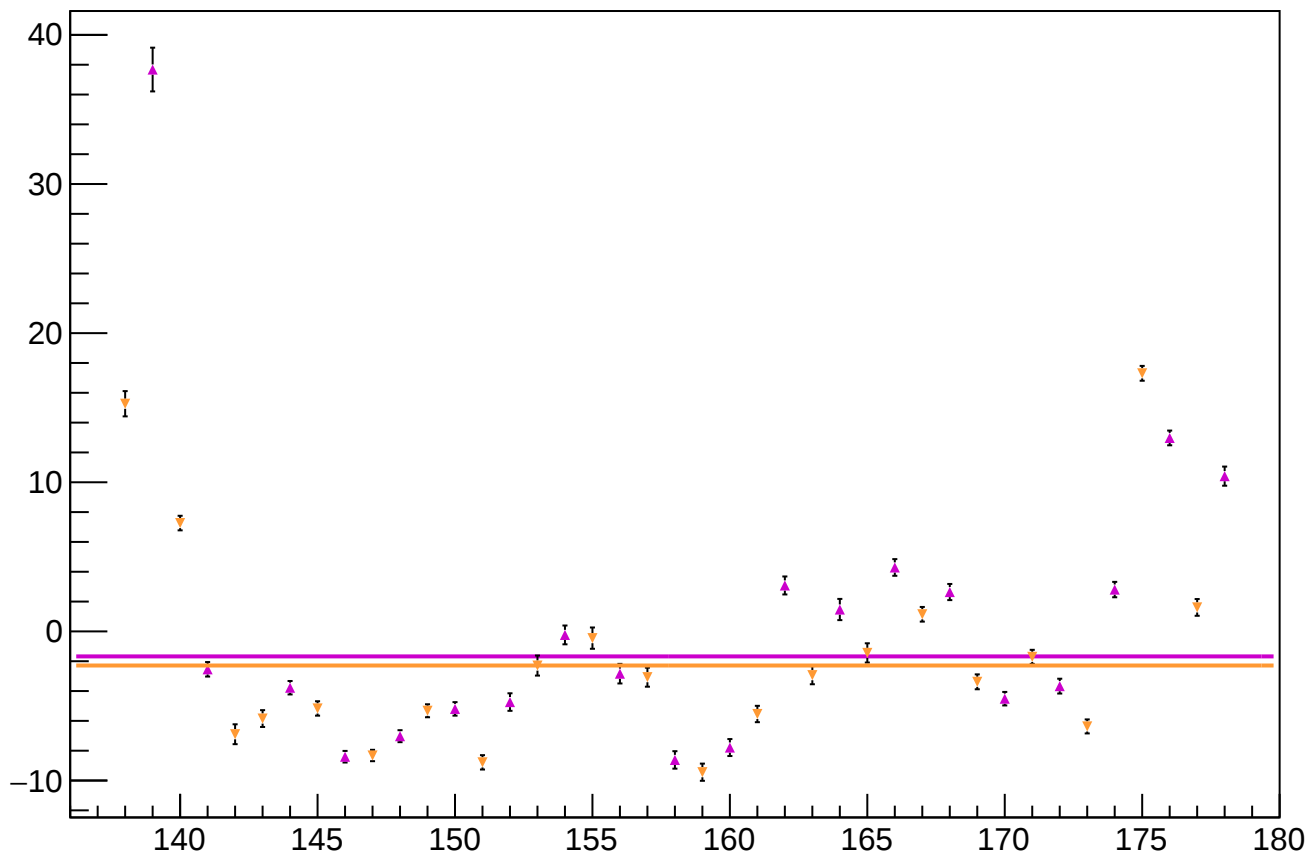
Left In: -19.907+/-0.156 χ^2/NDF : 8778.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -19.511+/-0.111 χ^2/NDF : 17399.4/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

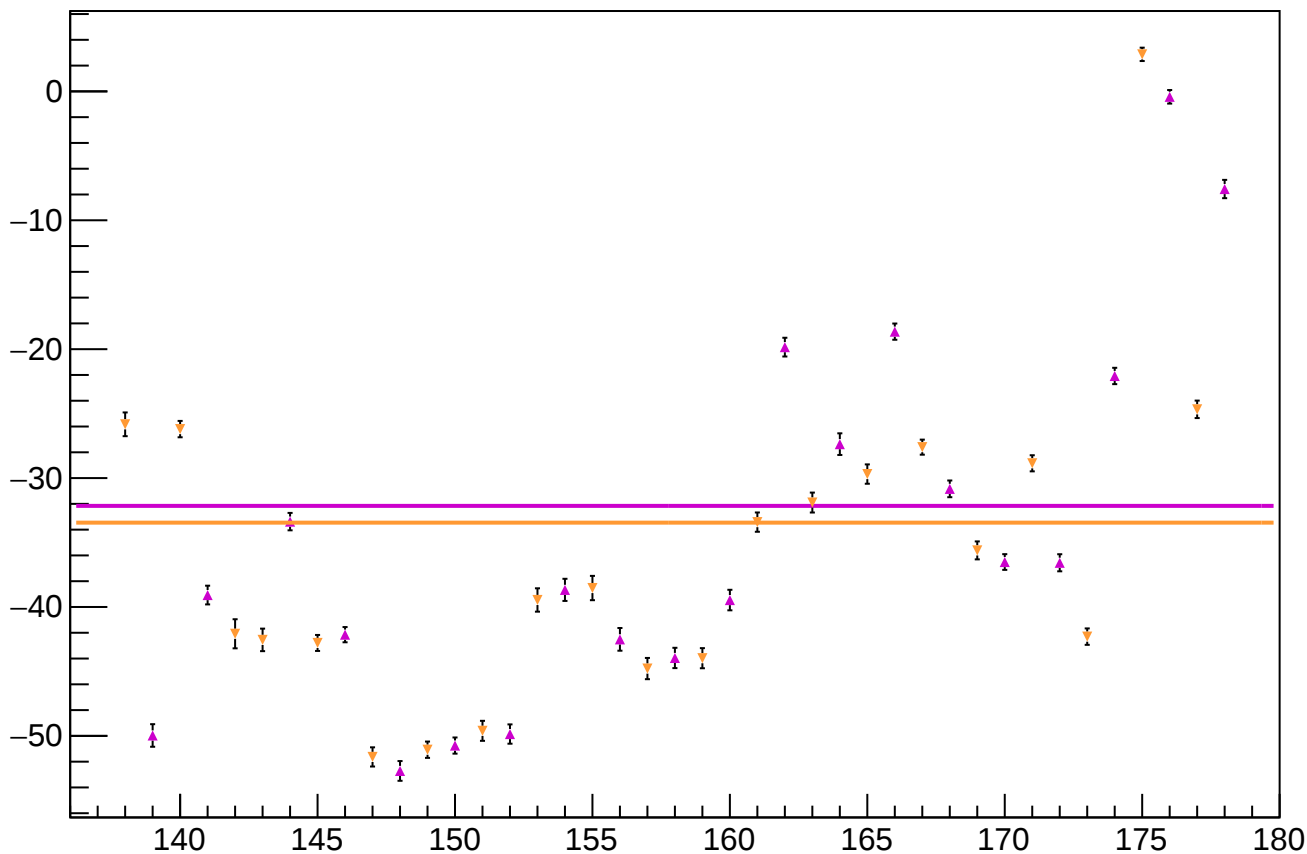
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.287+/-0.116 χ^2/NDF : 3342.1/20
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.676+/-0.118 χ^2/NDF : 3195.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -1.987+/-0.083 χ^2/NDF : 6551.4/40
 - 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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -33.457 $\pm$ 0.156 χ^2 /NDF:8307.1/20

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

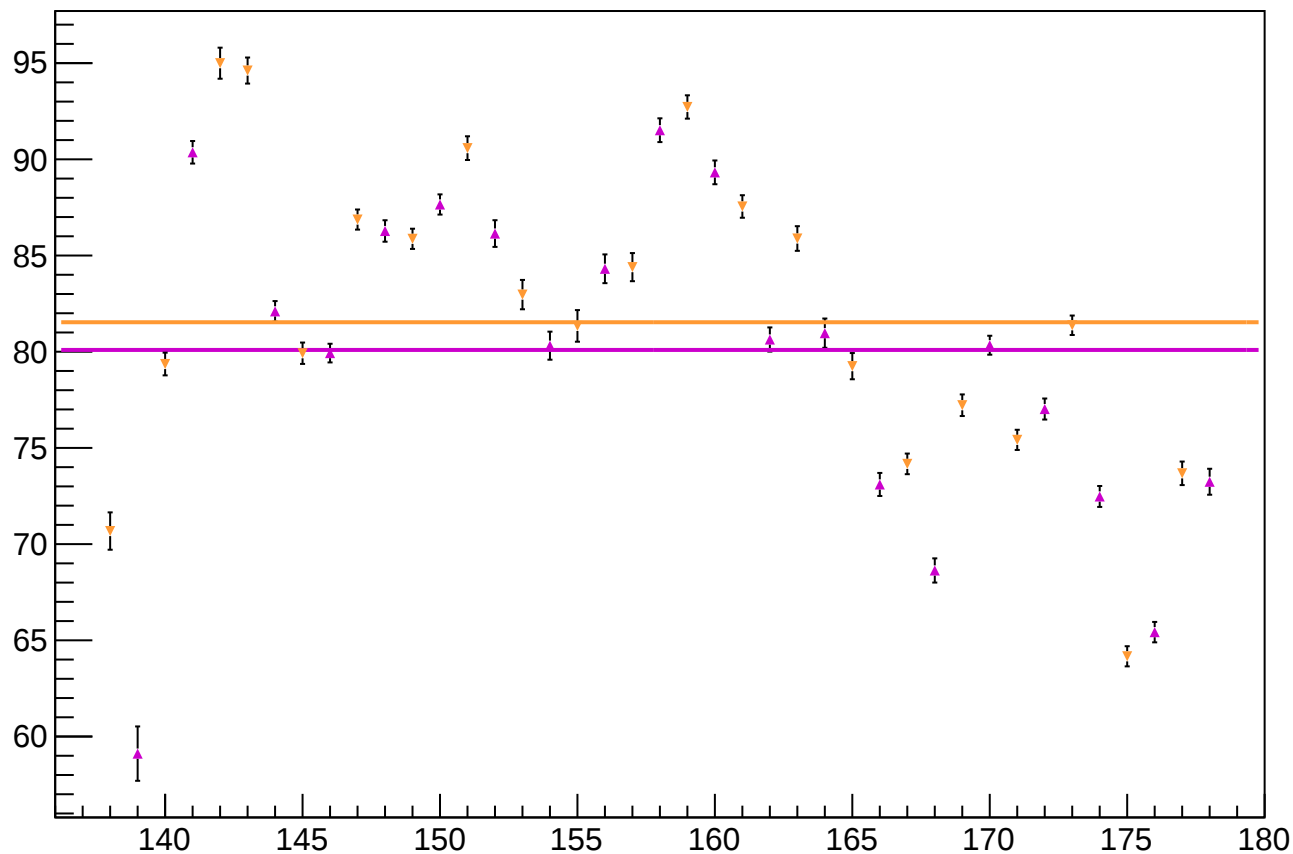
Left In: -32.156 $\pm$ 0.155 χ^2 /NDF:9436.1/19

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

All: -32.803 $\pm$ 0.110 χ^2 /NDF: 17778.0/40

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

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 81.532 $\pm$ 0.133 χ^2/NDF : 3355.6/20

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

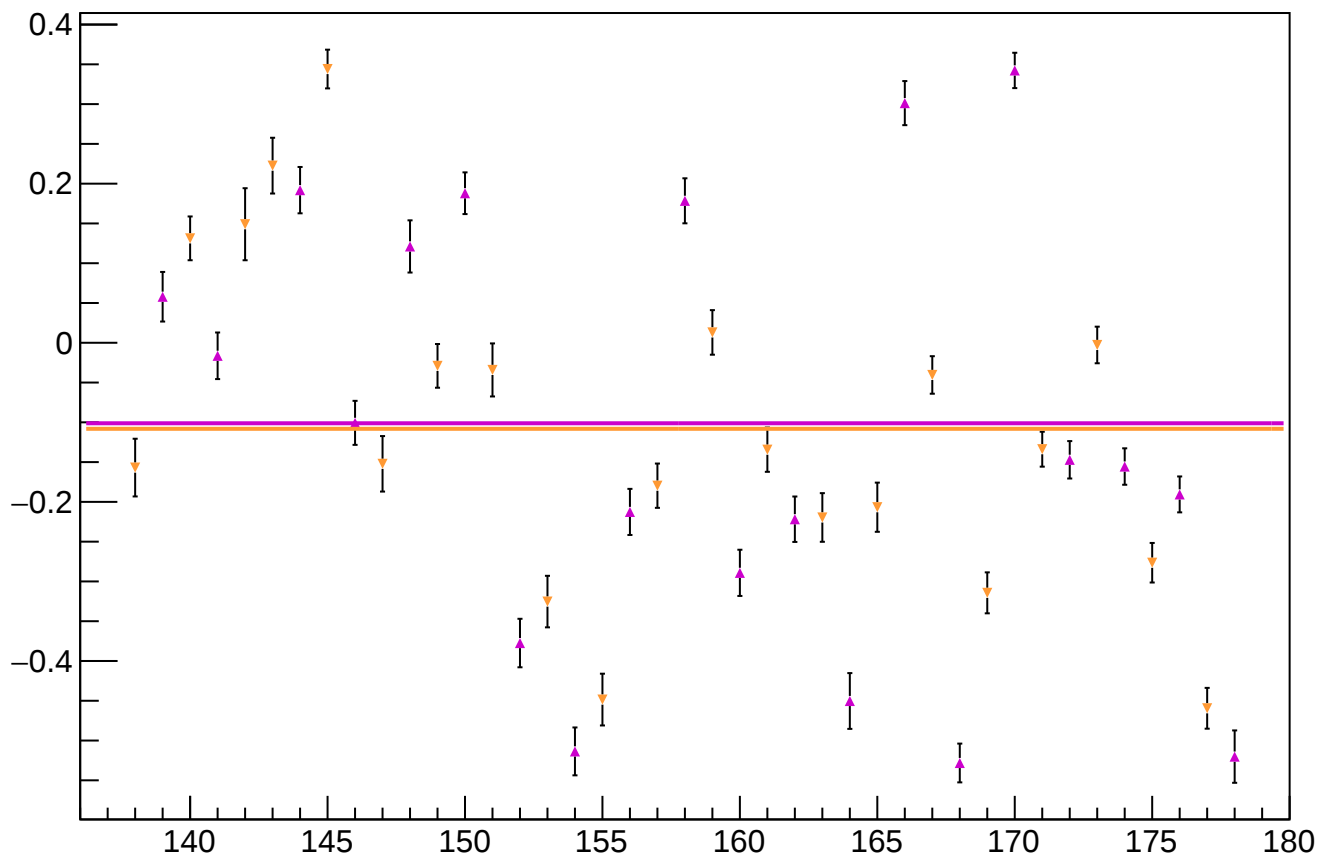
Left In: 80.093 $\pm$ 0.135 χ^2/NDF : 3111.1/19

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

All: 80.822 $\pm$ 0.095 χ^2/NDF : 6524.7/40

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

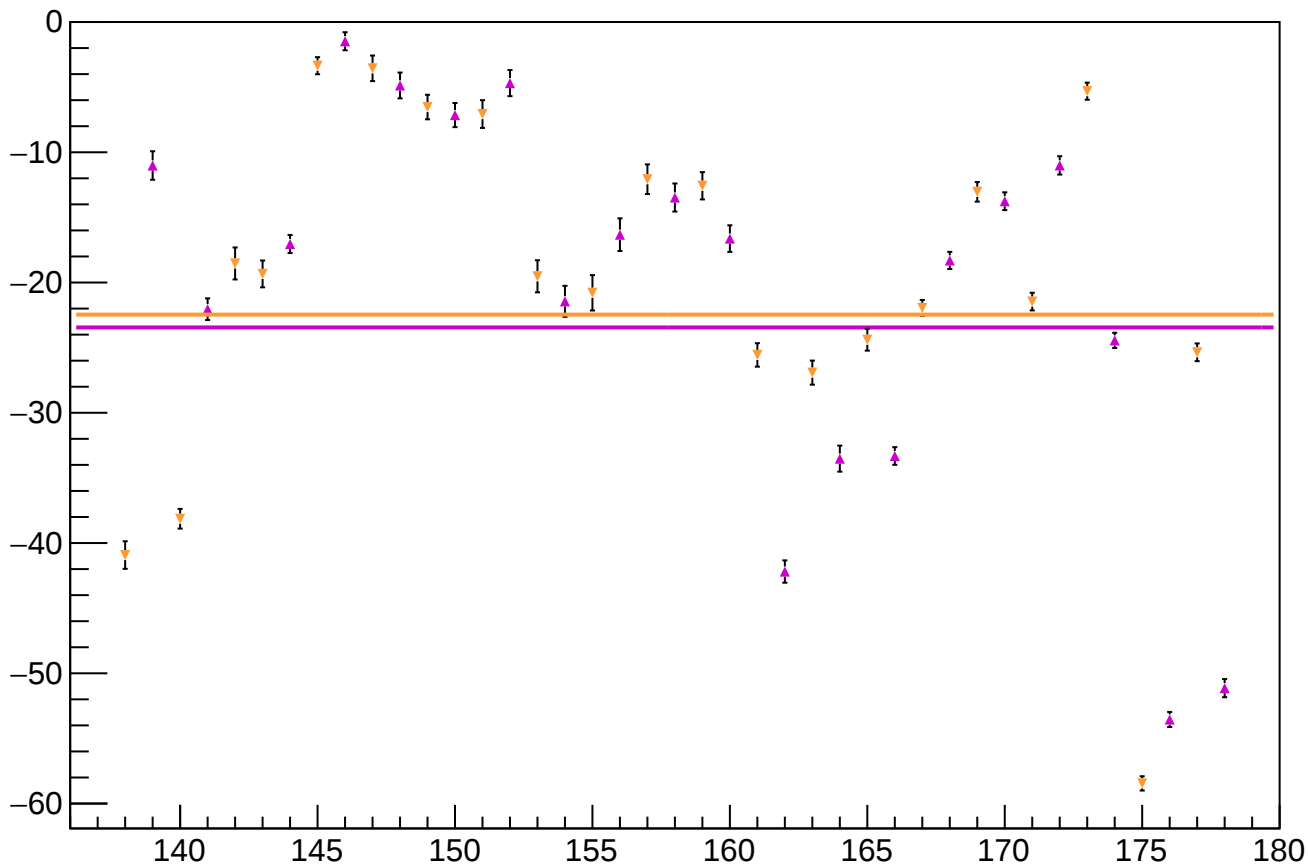
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.108 $\pm$ 0.006 χ^2 /NDF:1091.0/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.101 $\pm$ 0.006 χ^2 /NDF:1948.4/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -0.105 $\pm$ 0.004 χ^2 /NDF: 3040.0/40
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -22.464+/-0.180 χ^2/NDF : 7847.4/20

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

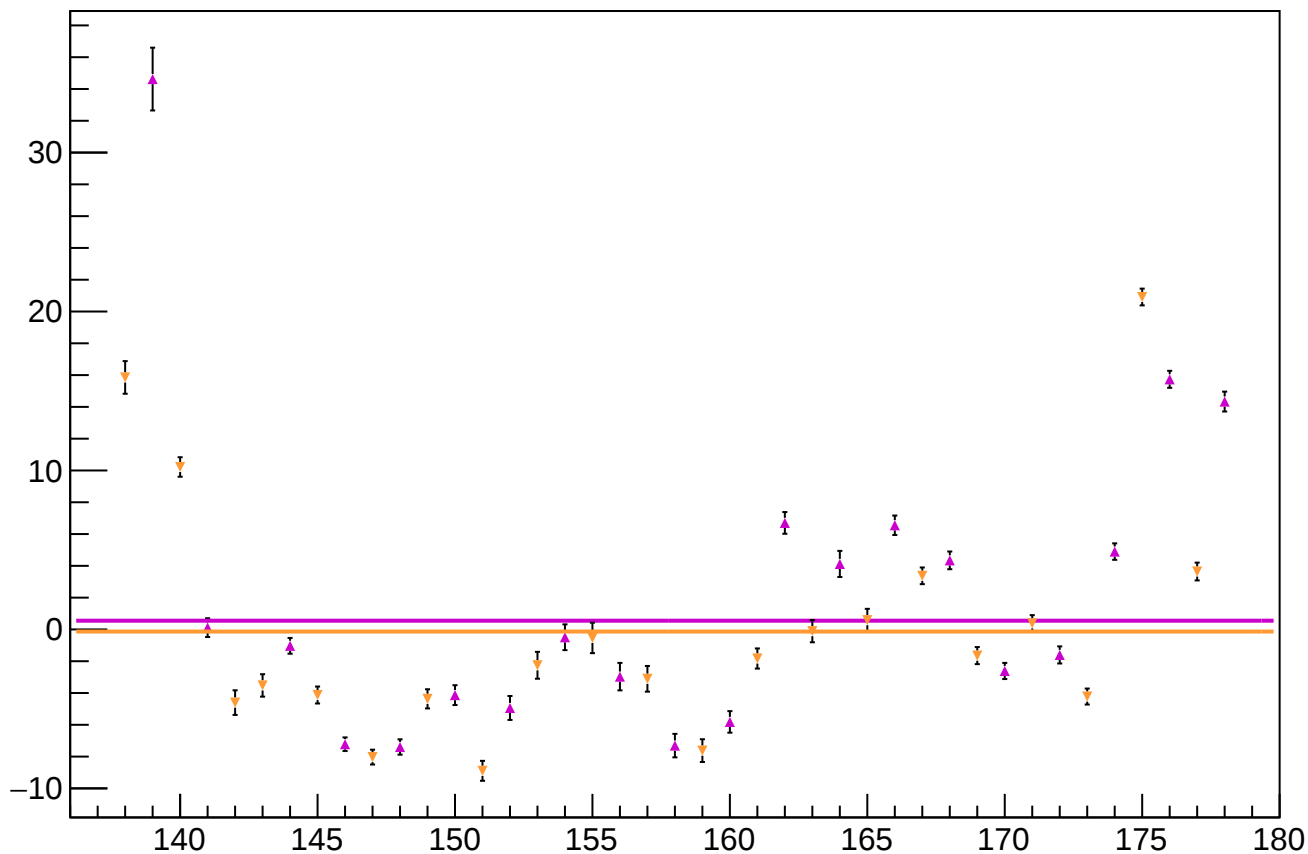
Left In: -23.448+/-0.178 χ^2/NDF : 8054.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -22.964+/-0.127 χ^2/NDF : 15916.6/40

- 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: -0.133+/-0.135 χ^2/NDF : 3069.4/20

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

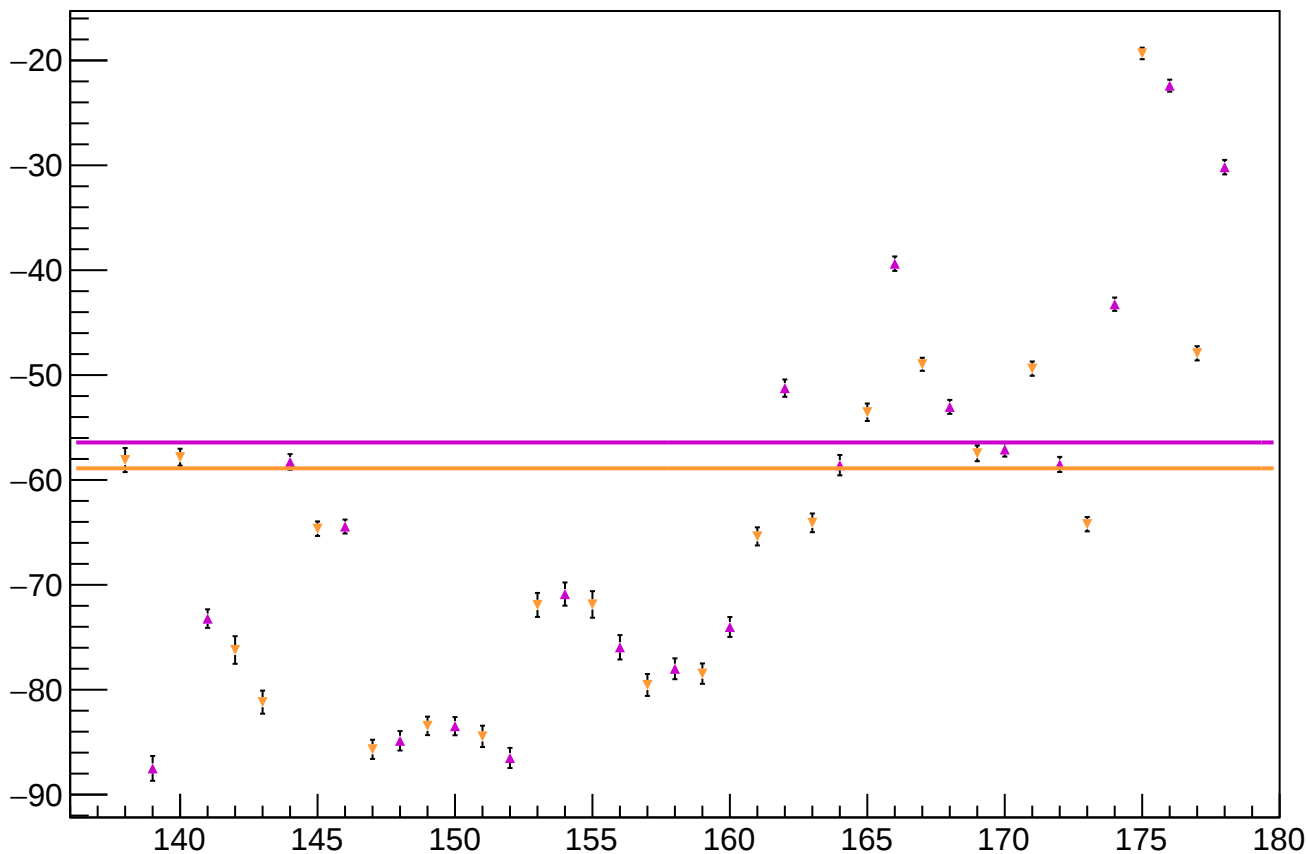
Left In: 0.549+/-0.135 χ^2/NDF : 2896.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.208+/-0.096 χ^2/NDF : 5978.2/40

- 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: -58.891+/-0.180 χ^2/NDF :10023.0/20

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

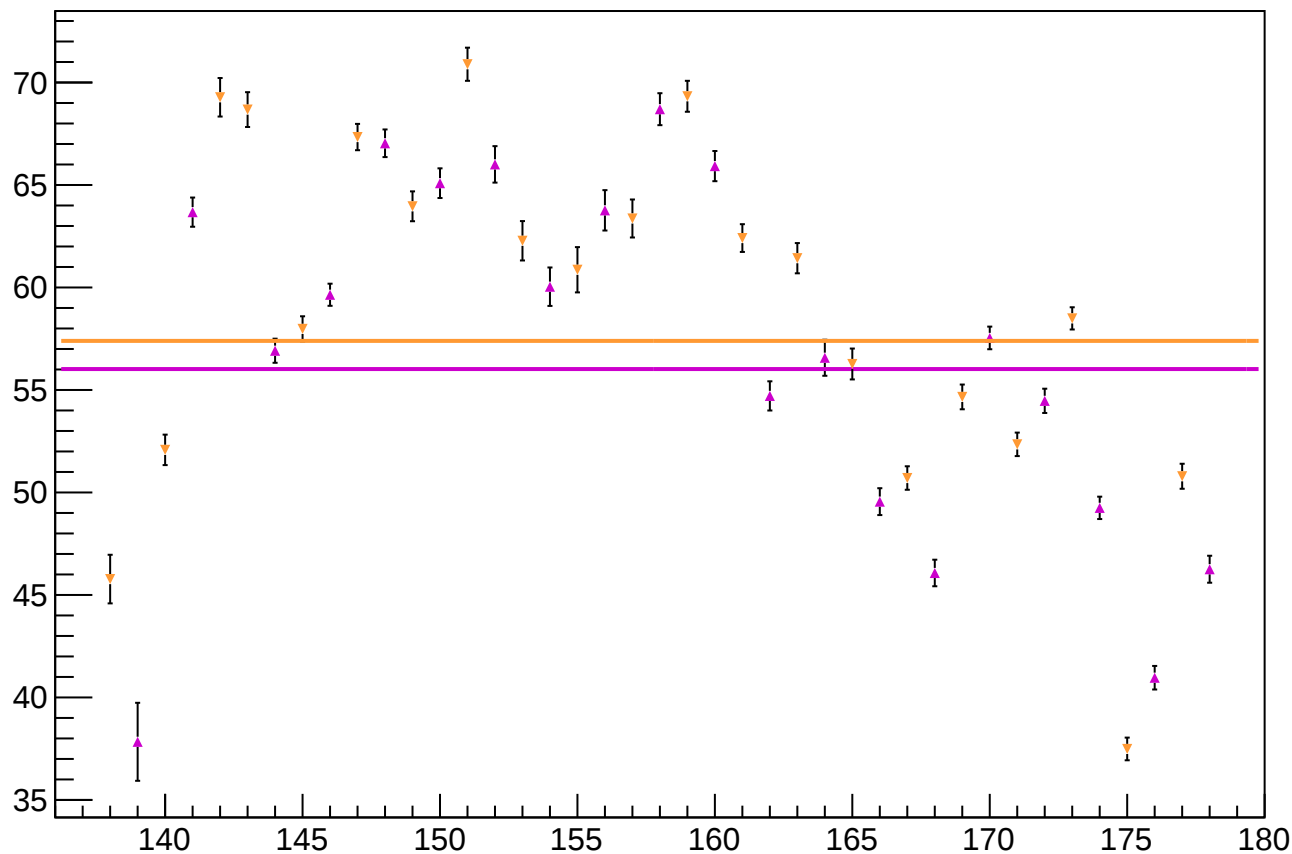
Left In: -56.425+/-0.177 χ^2/NDF :11448.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -57.636+/-0.126 χ^2/NDF : 21566.0/40

- 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: 57.395+/-0.154 χ^2/NDF :3148.3/20

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

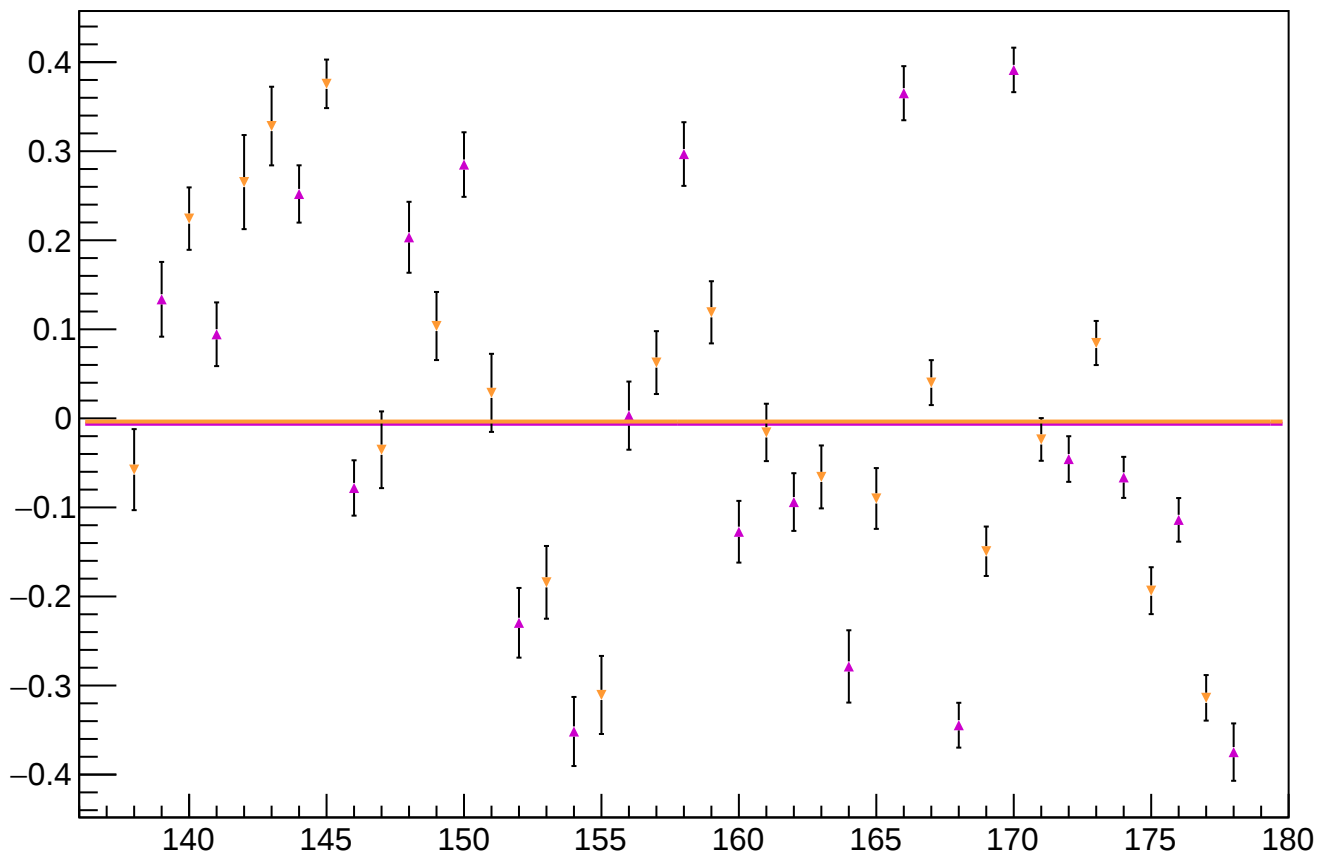
Left In: 56.021+/-0.154 χ^2/NDF :2741.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 56.707+/-0.109 χ^2/NDF : 5929.9/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



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

Left Out: -0.004 $\pm$ 0.007 χ^2 /NDF:665.9/20

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

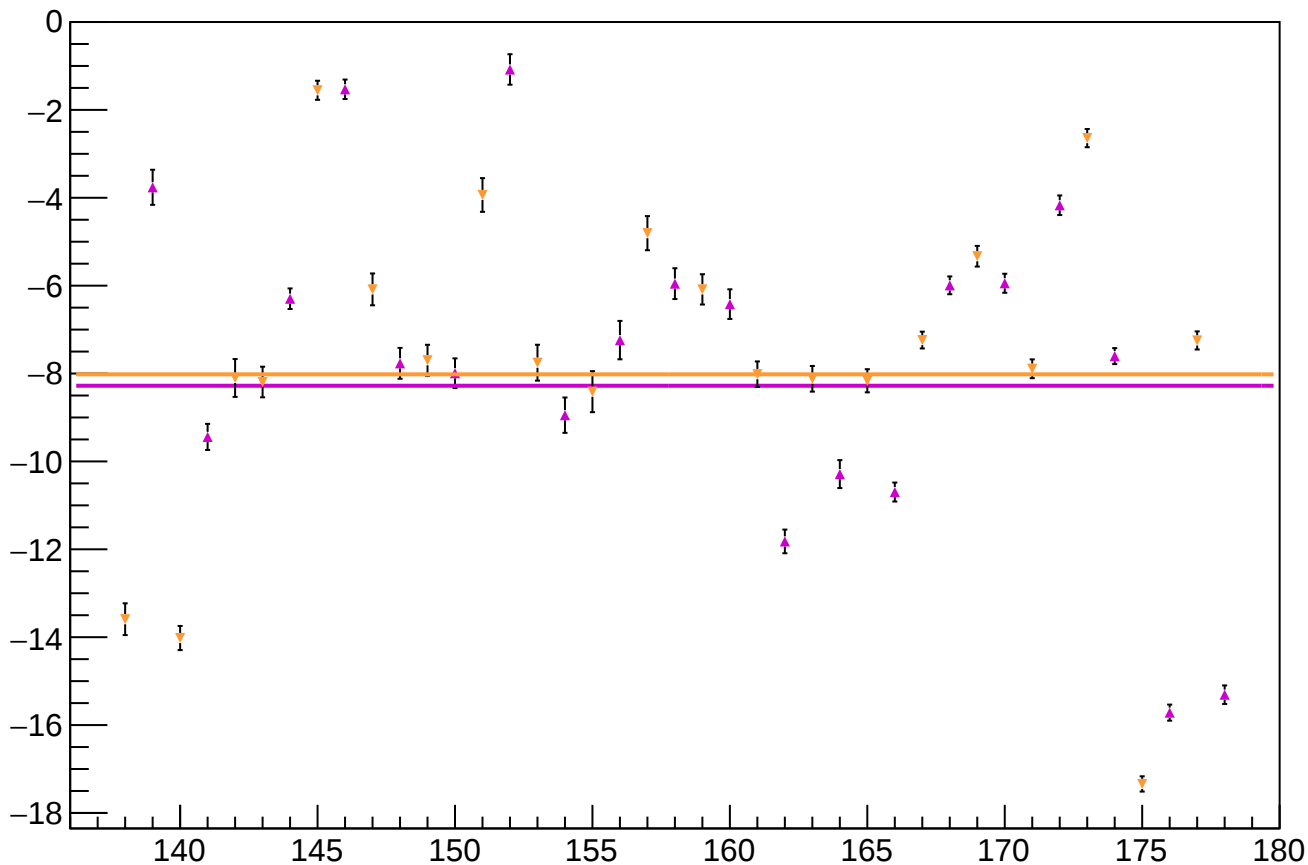
Left In: -0.006 $\pm$ 0.007 χ^2 /NDF:1172.0/19

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

All: -0.005 $\pm$ 0.005 χ^2 /NDF: 1837.9/40

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

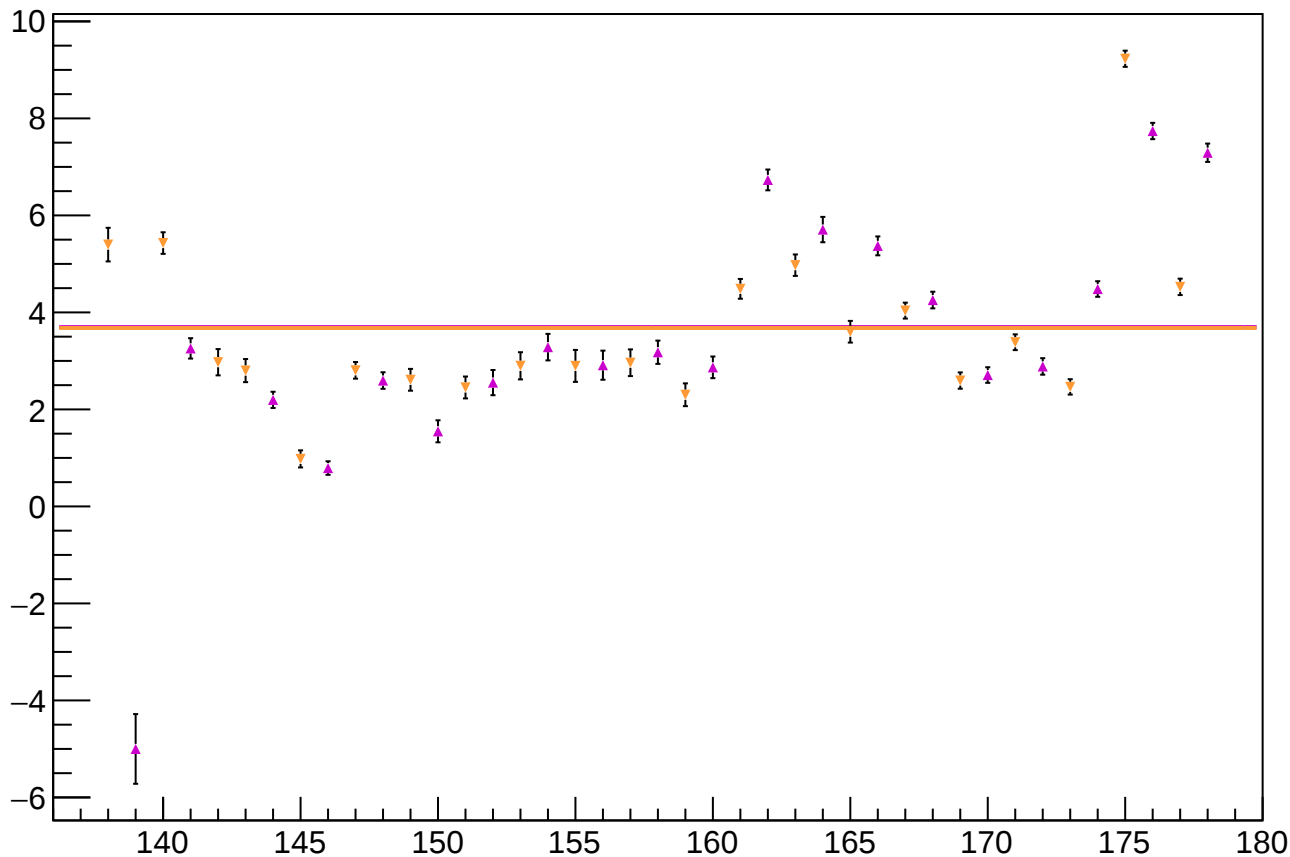
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -8.018 $\pm$ 0.059 χ^2/NDF : 5550.1/20
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -8.278 $\pm$ 0.057 χ^2/NDF : 5362.6/19

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 All: -8.151 $\pm$ 0.041 χ^2/NDF : 10922.7/40
 - sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 3.680 $\pm$ 0.045 χ^2 /NDF:1765.2/20

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

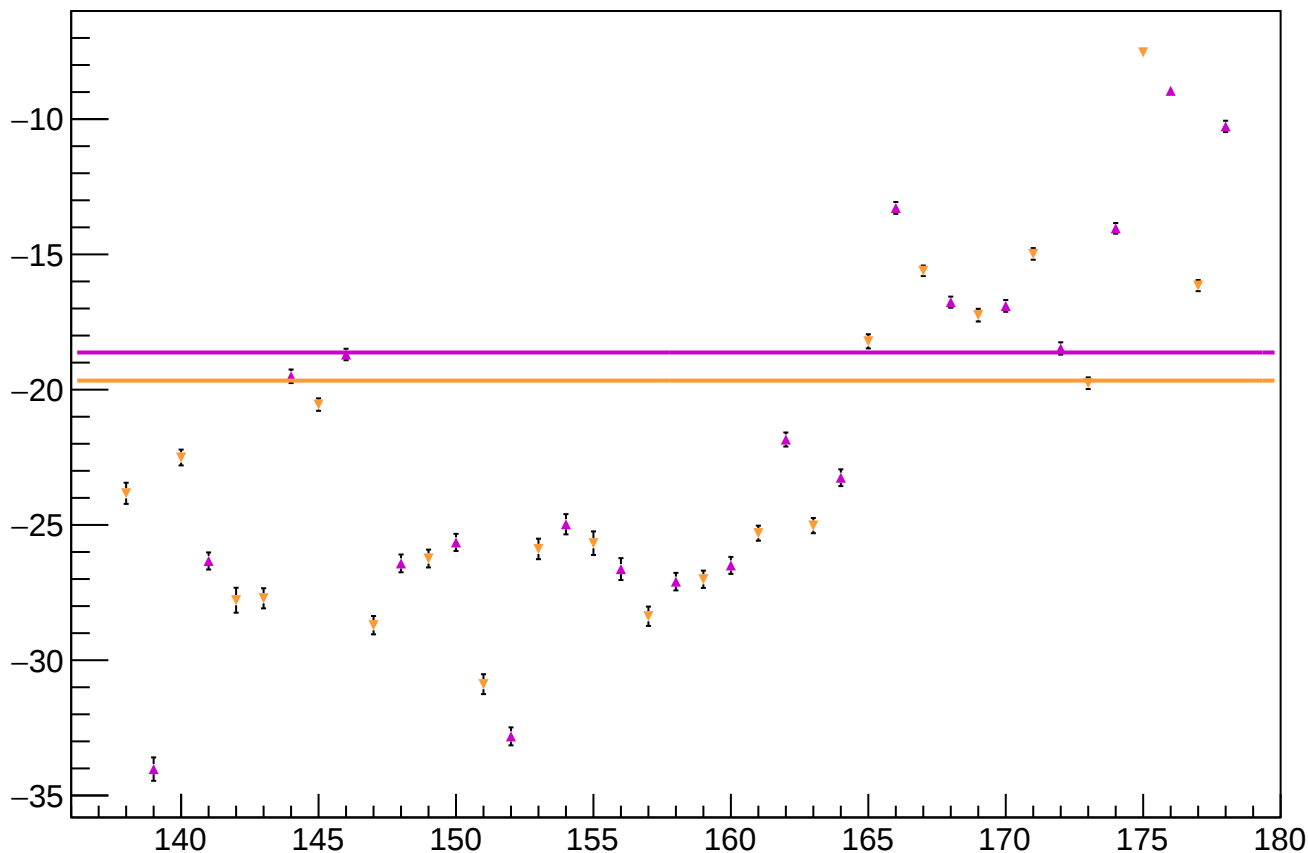
Left In: 3.697 $\pm$ 0.044 χ^2 /NDF:2210.0/19

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

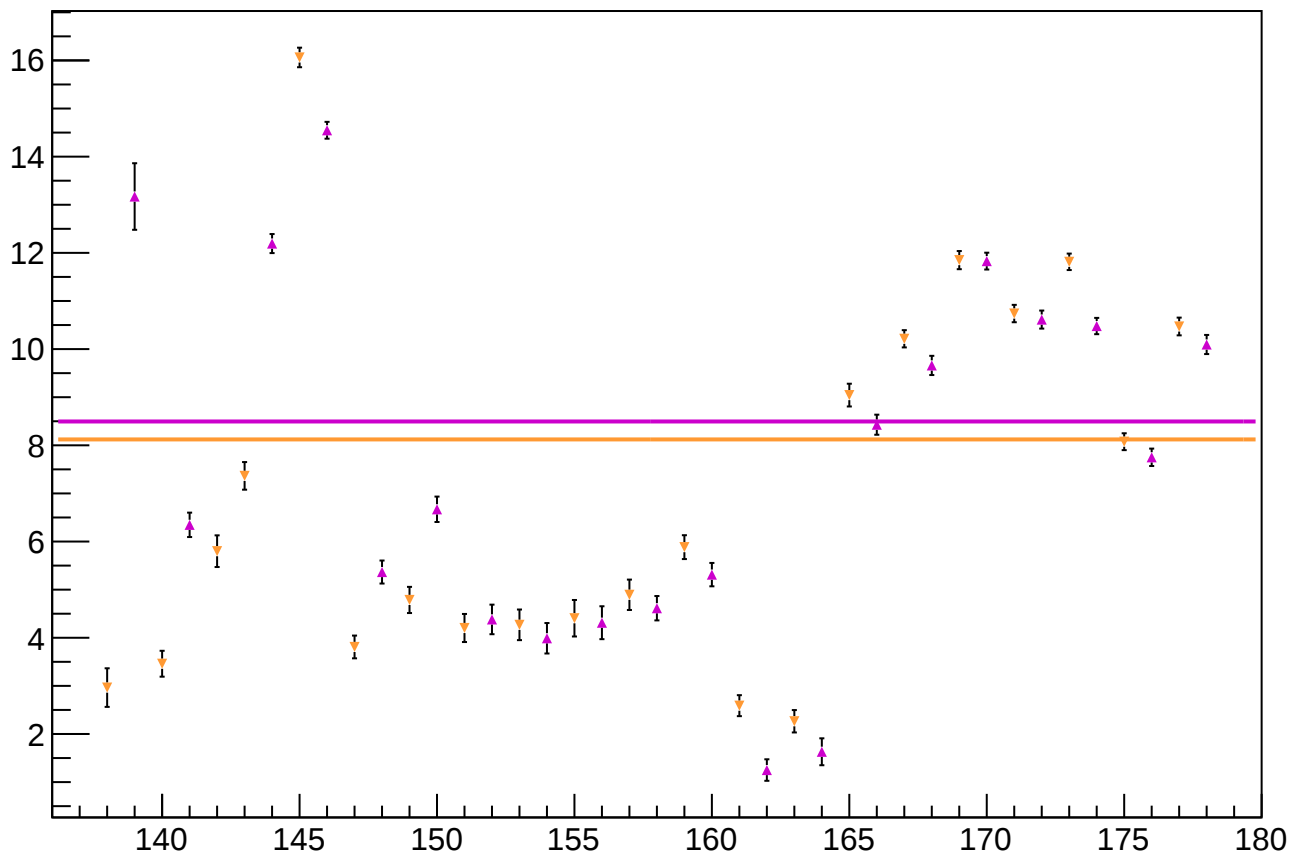
All: 3.689 $\pm$ 0.031 χ^2 /NDF: 3975.2/40

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

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 8.122+/-0.050 χ^2/NDF : 5797.6/20

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

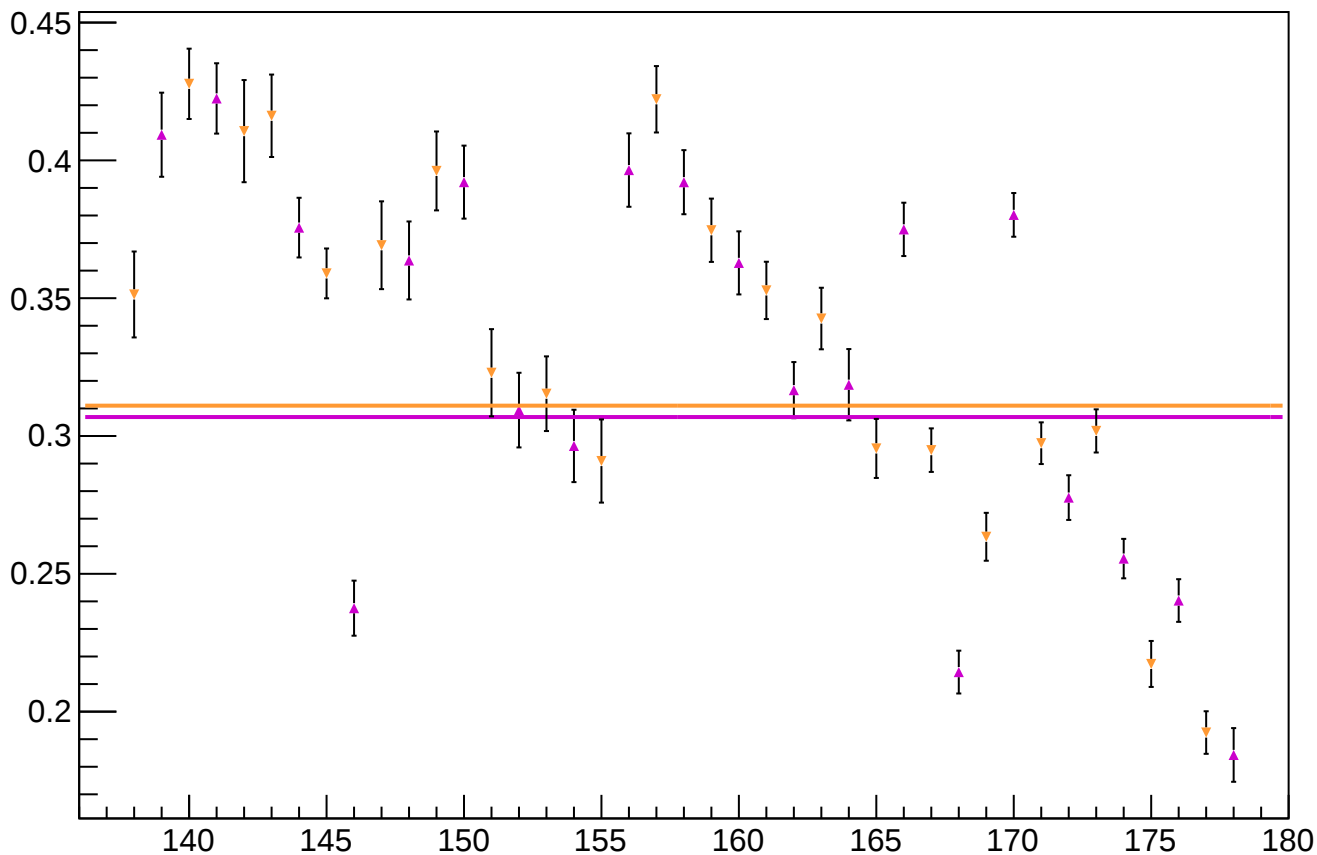
Left In: 8.495+/-0.050 χ^2/NDF : 5217.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 8.311+/-0.035 χ^2/NDF : 11043.3/40

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.311+/-0.002 χ^2/NDF : 791.1/20

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

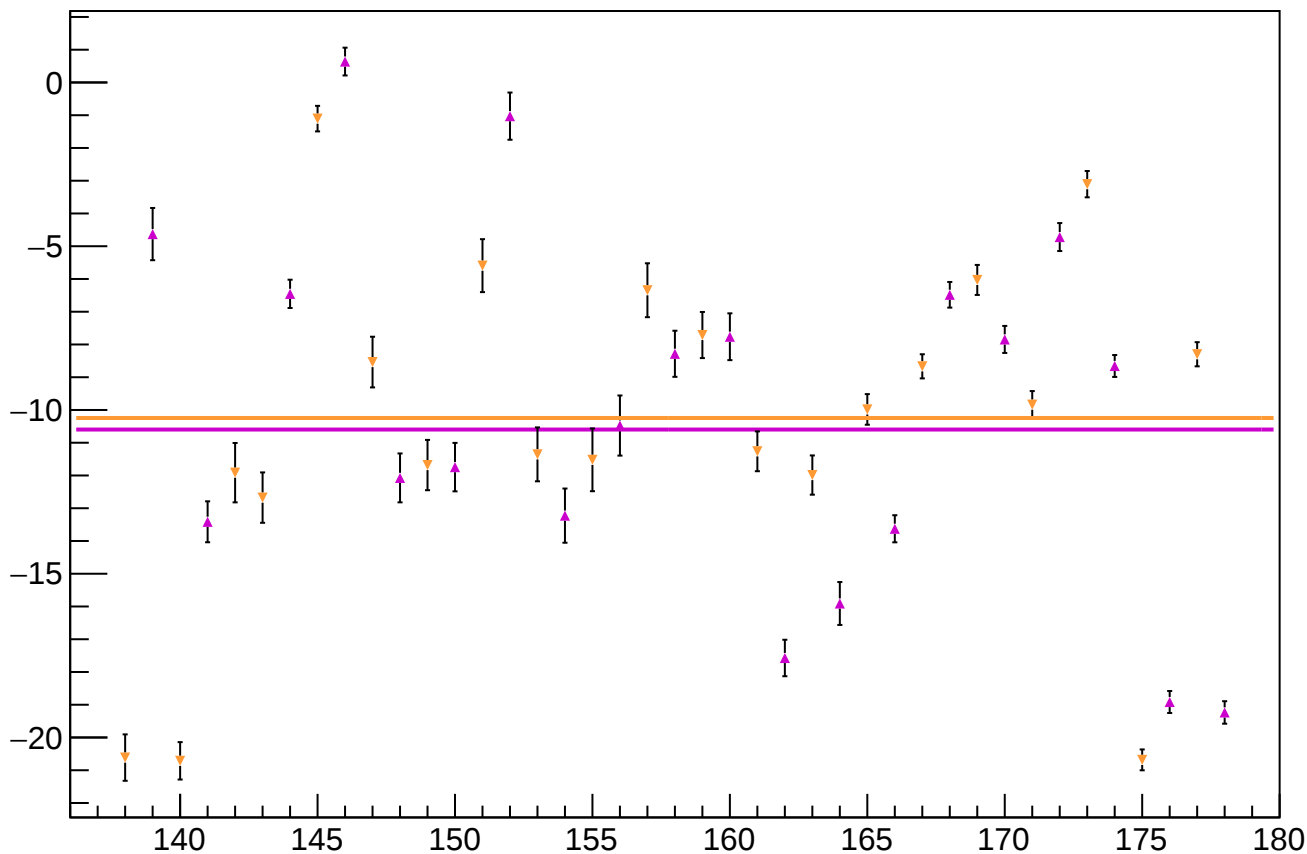
Left In: 0.307+/-0.002 χ^2/NDF : 972.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.309+/-0.002 χ^2/NDF : 1764.9/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.244+/-0.114 χ^2/NDF : 2725.1/20

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

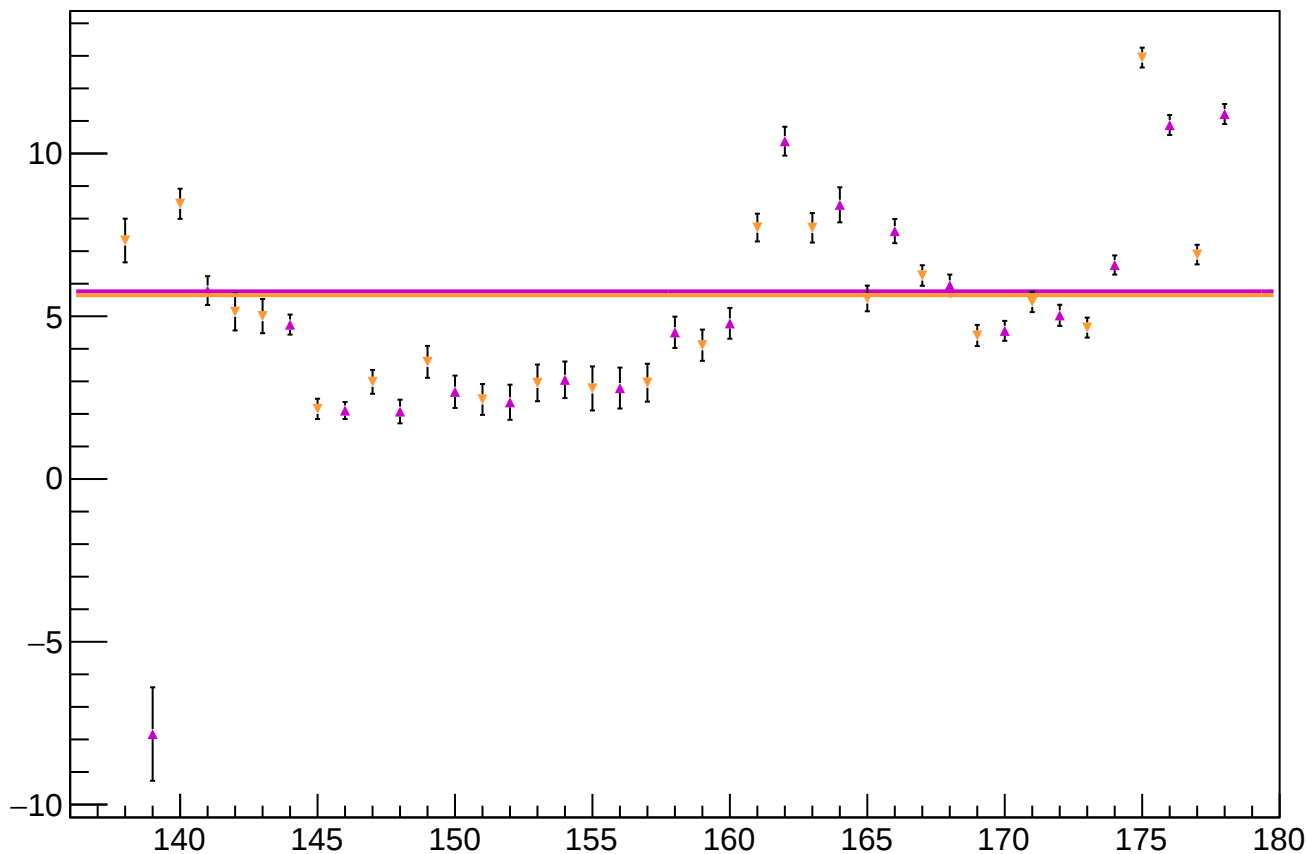
Left In: -10.597+/-0.110 χ^2/NDF : 2989.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -10.427+/-0.079 χ^2/NDF : 5719.5/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

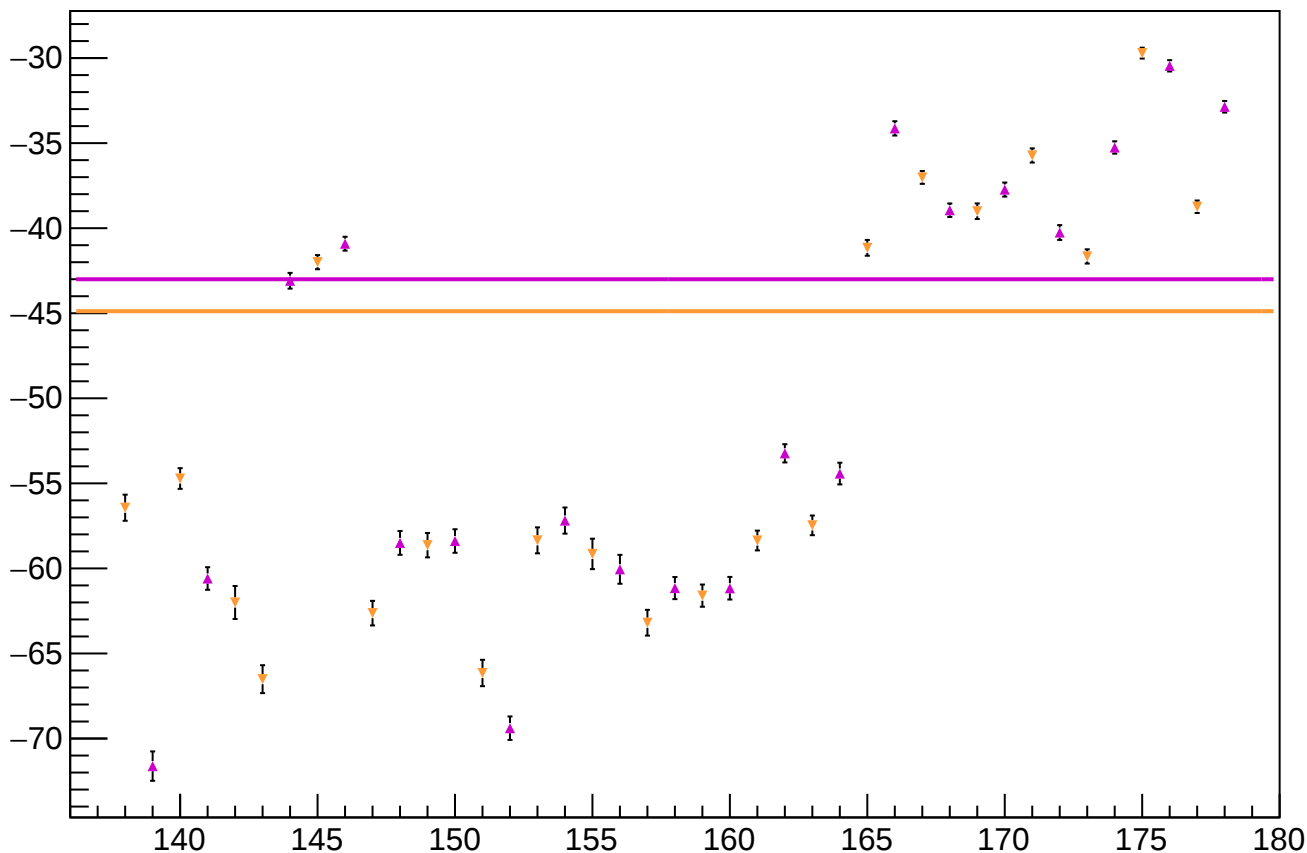
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.649 $\pm$ 0.087 χ^2 /NDF:1024.2/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.765 $\pm$ 0.085 χ^2 /NDF:1310.4/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 5.708 $\pm$ 0.061 χ^2 /NDF: 2335.5/40
 - 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: -44.879+/-0.114 χ^2/NDF : 9818.6/20

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

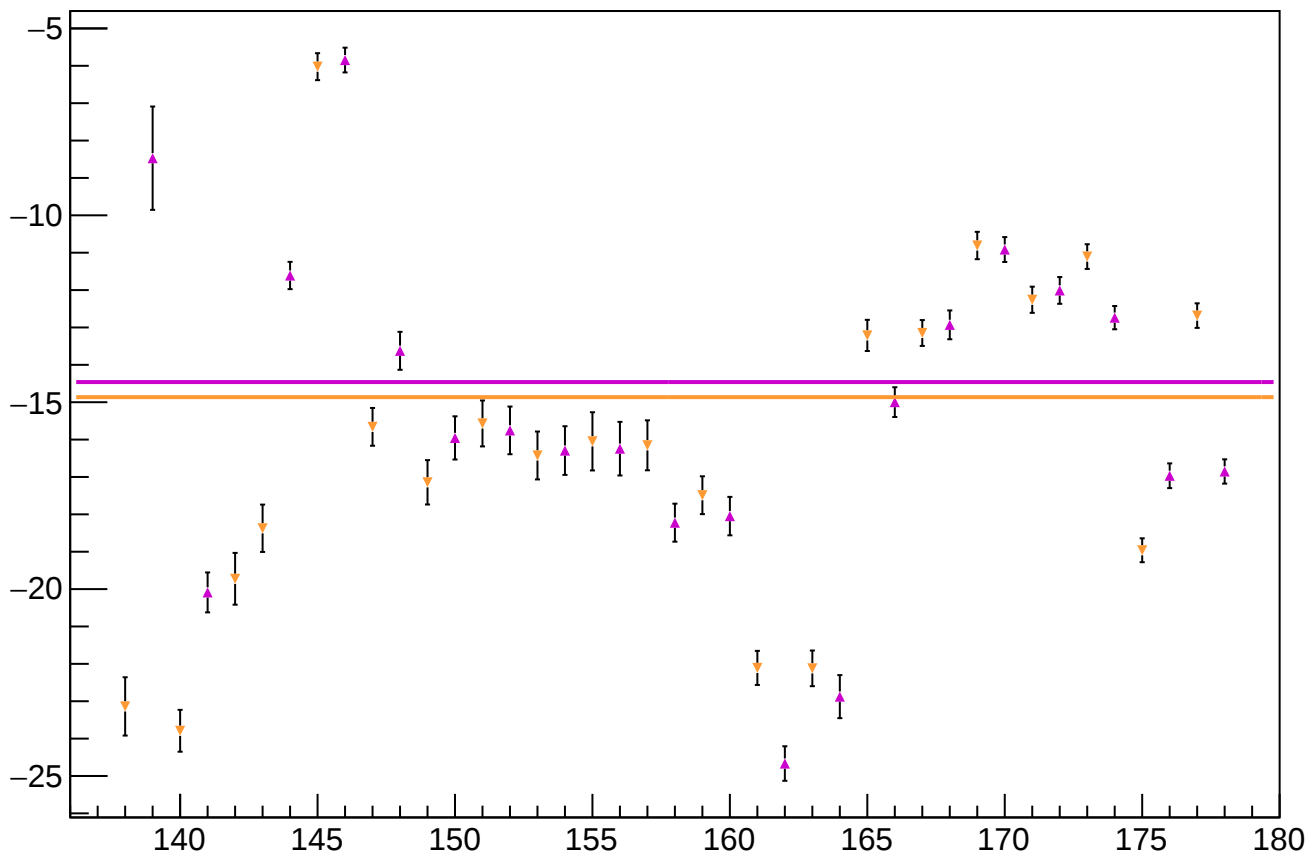
Left In: -43.002+/-0.110 χ^2/NDF : 10747.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -43.904+/-0.079 χ^2/NDF : 20705.4/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



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

Left Out: -14.865+/-0.098 χ^2/NDF : 2144.2/20

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

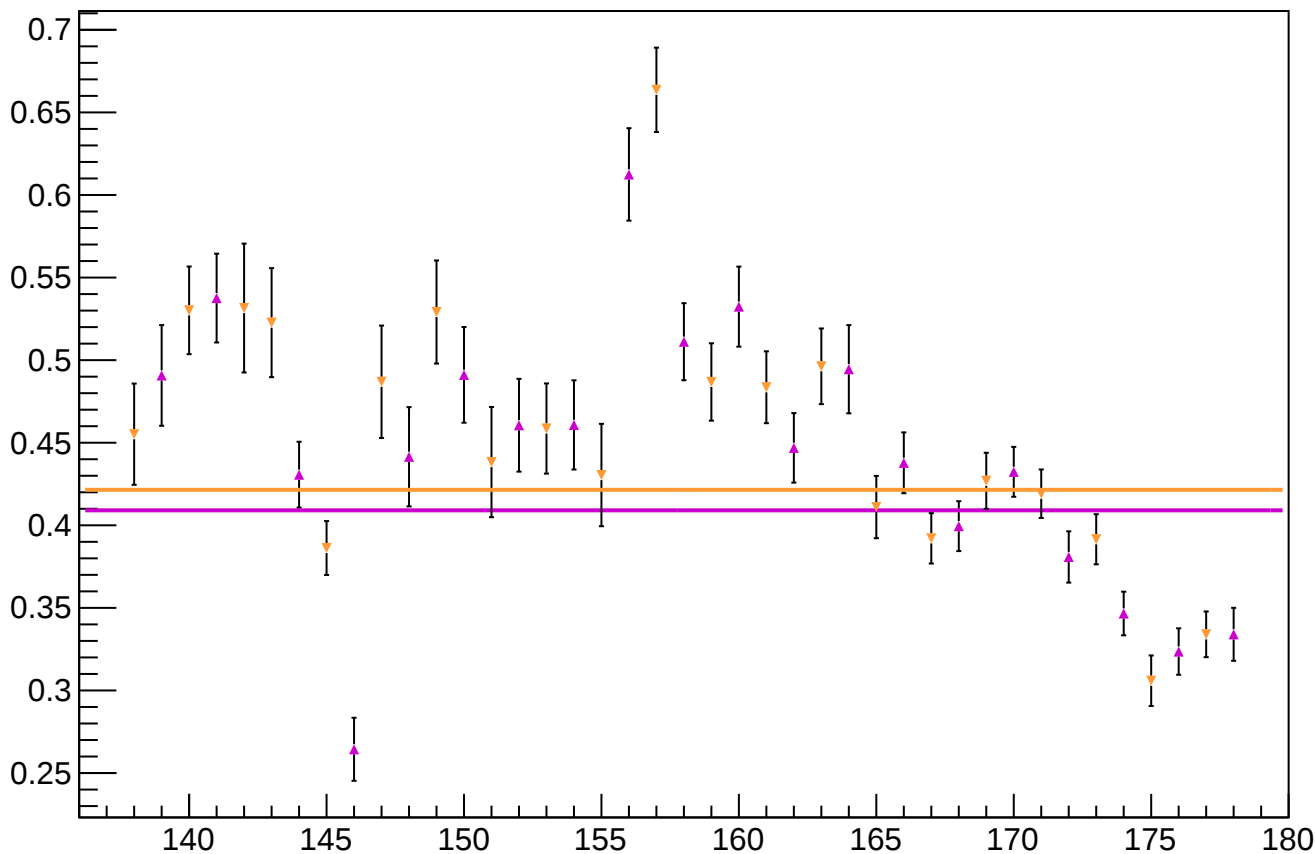
Left In: -14.461+/-0.096 χ^2/NDF : 2021.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -14.658+/-0.069 χ^2/NDF : 4174.0/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.421 $\pm$ 0.004 χ^2 /NDF:279.4/20

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

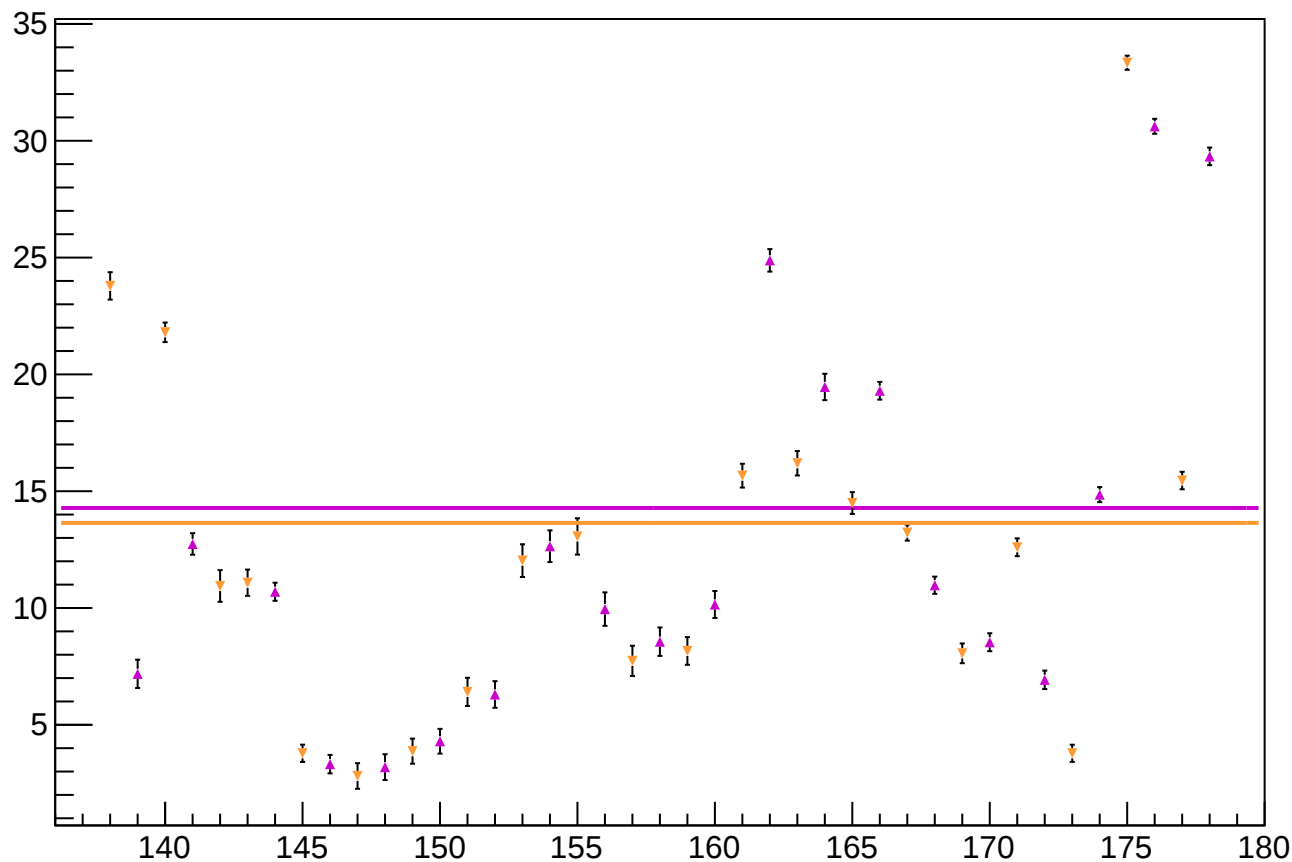
Left In: 0.409 $\pm$ 0.004 χ^2 /NDF:306.0/19

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

All: 0.415 $\pm$ 0.003 χ^2 /NDF: 589.3/40

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

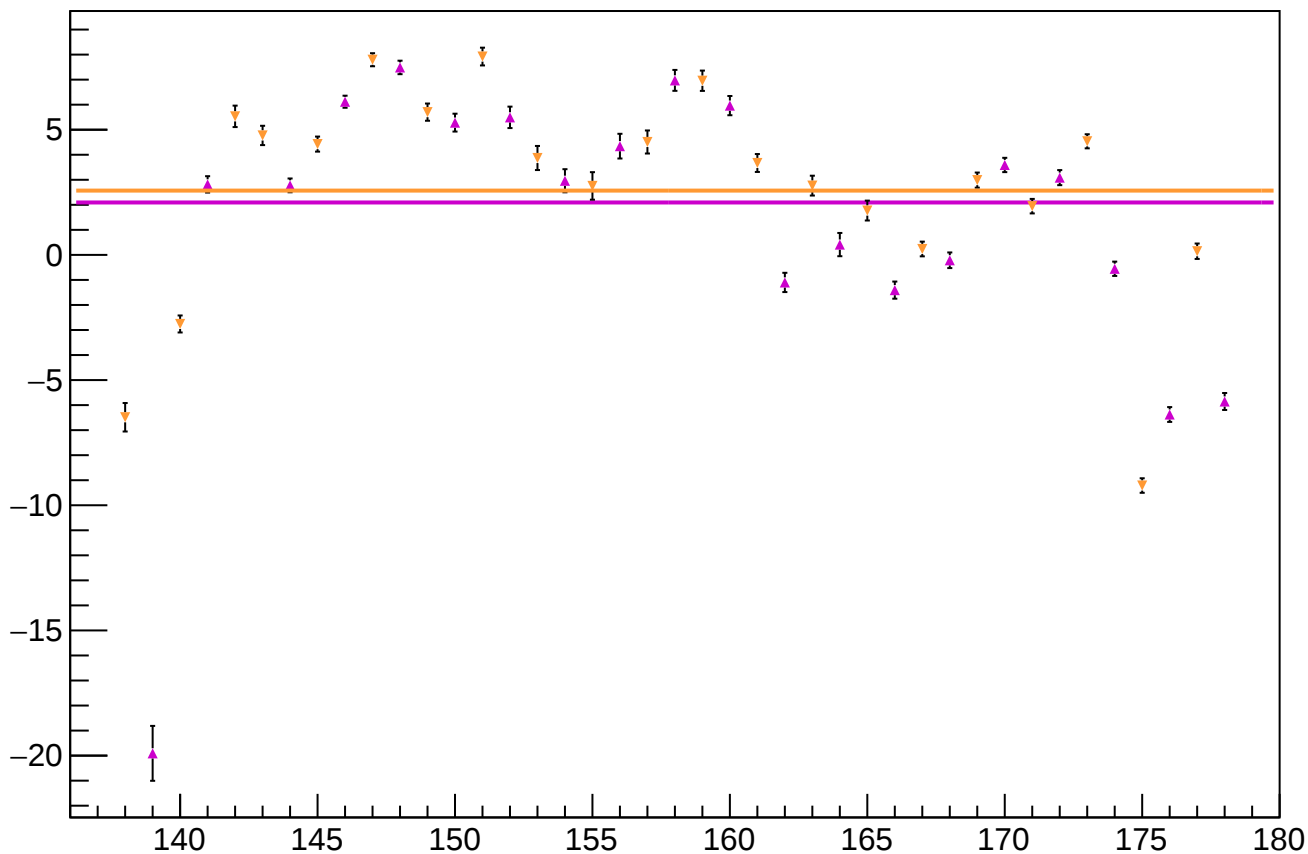
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 13.643 $\pm$ 0.101 χ^2 /NDF:7667.2/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 14.282 $\pm$ 0.099 χ^2 /NDF:7726.0/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 13.968 $\pm$ 0.071 χ^2 /NDF: 15413.5/40
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

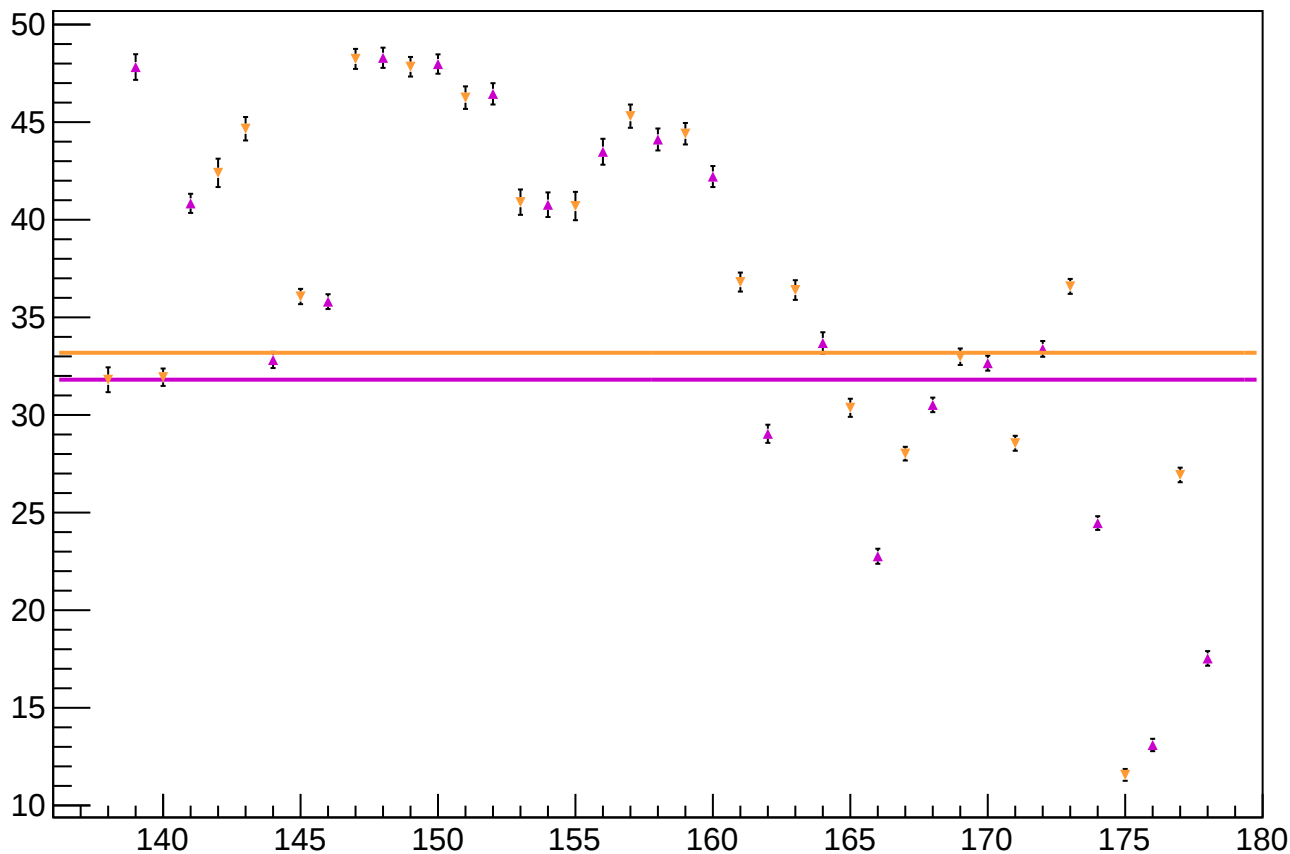
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.568 $\pm$ 0.076 χ^2 /NDF:3311.4/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.094 $\pm$ 0.076 χ^2 /NDF:3231.7/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: 2.331 $\pm$ 0.054 χ^2 /NDF: 6562.8/40
 - sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 33.186+/-0.101 χ^2/NDF : 9831.5/20

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

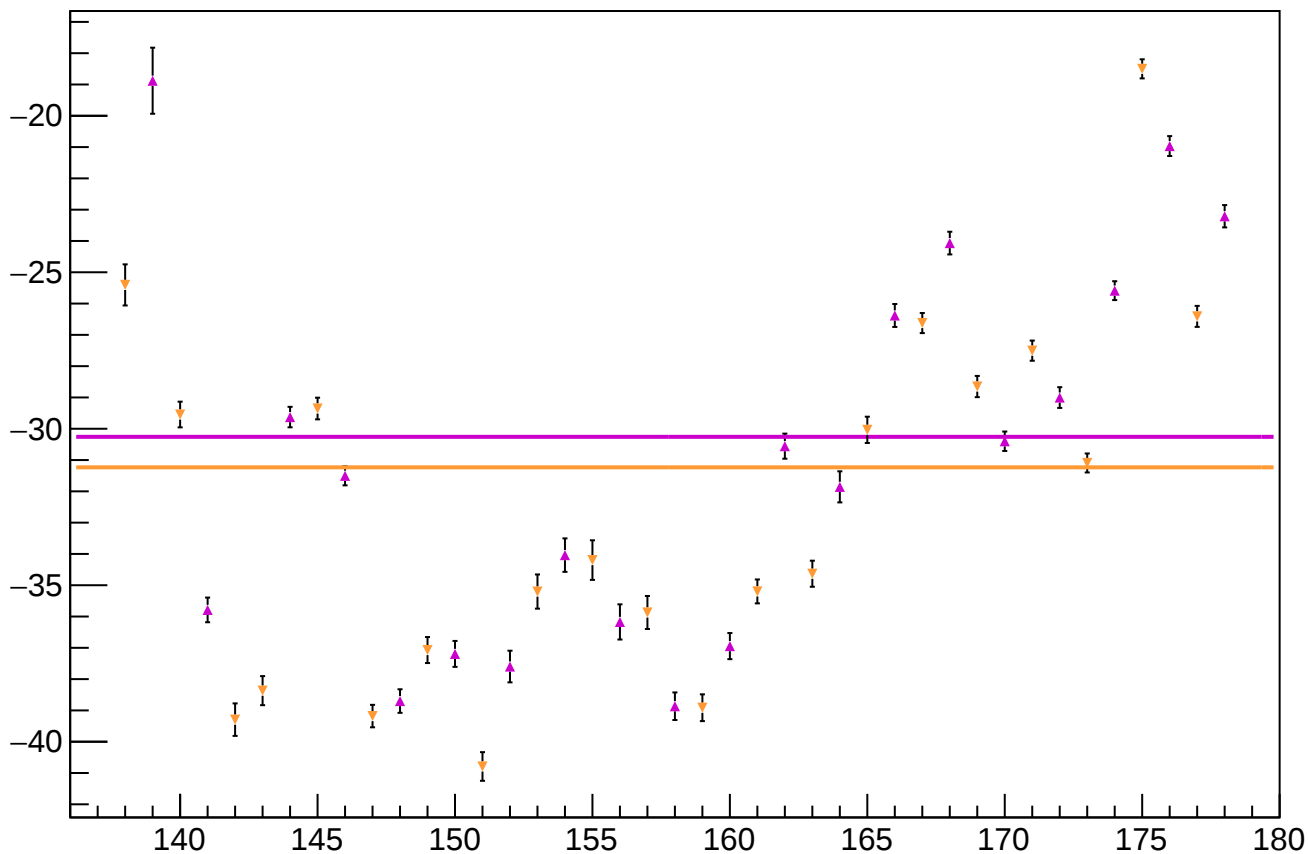
Left In: 31.808+/-0.099 χ^2/NDF : 11210.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 32.485+/-0.071 χ^2/NDF : 21136.8/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -31.233+/-0.086 χ^2/NDF : 4728.8/20

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

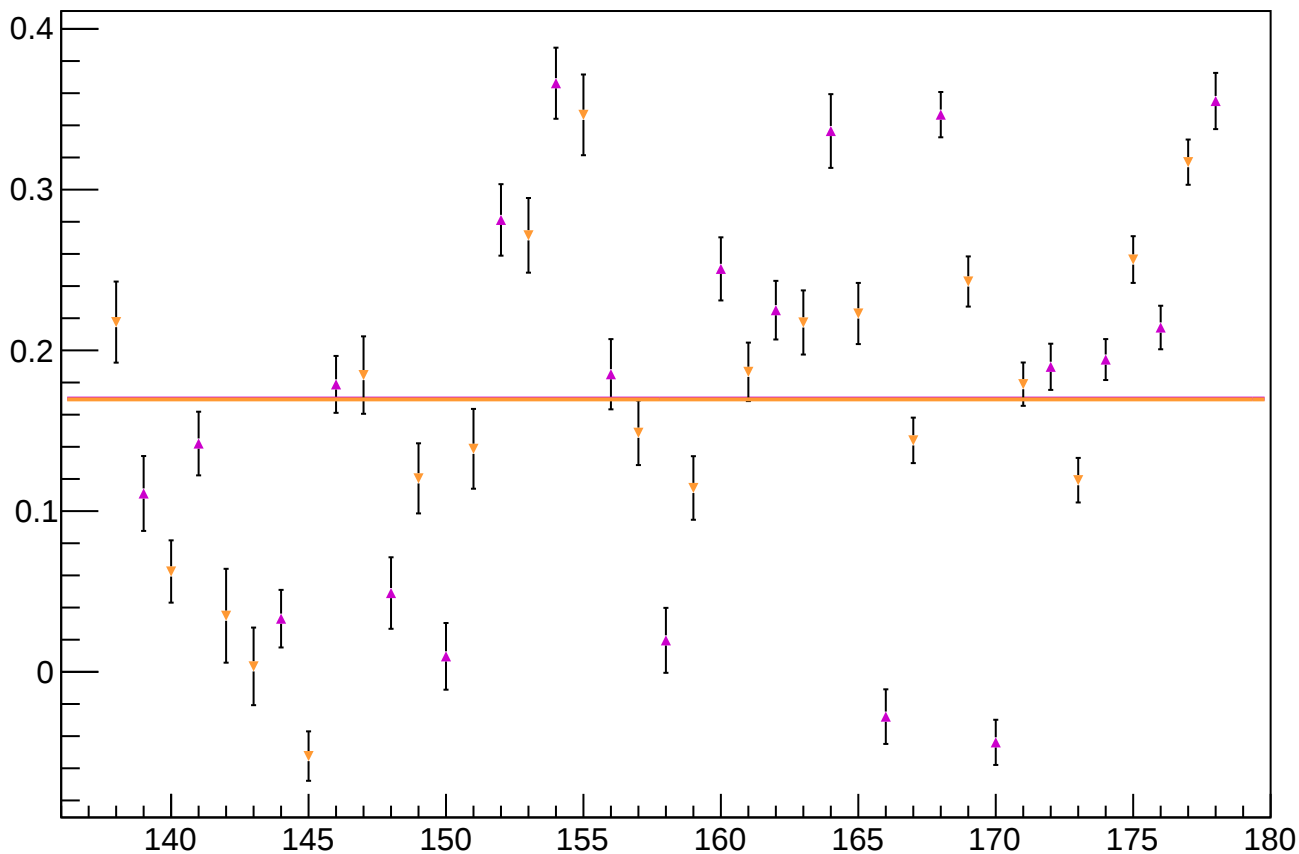
Left In: -30.258+/-0.086 χ^2/NDF : 4039.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -30.745+/-0.061 χ^2/NDF : 8832.7/40

- 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: 0.170 $\pm$ 0.004 χ^2 /NDF:595.0/20

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

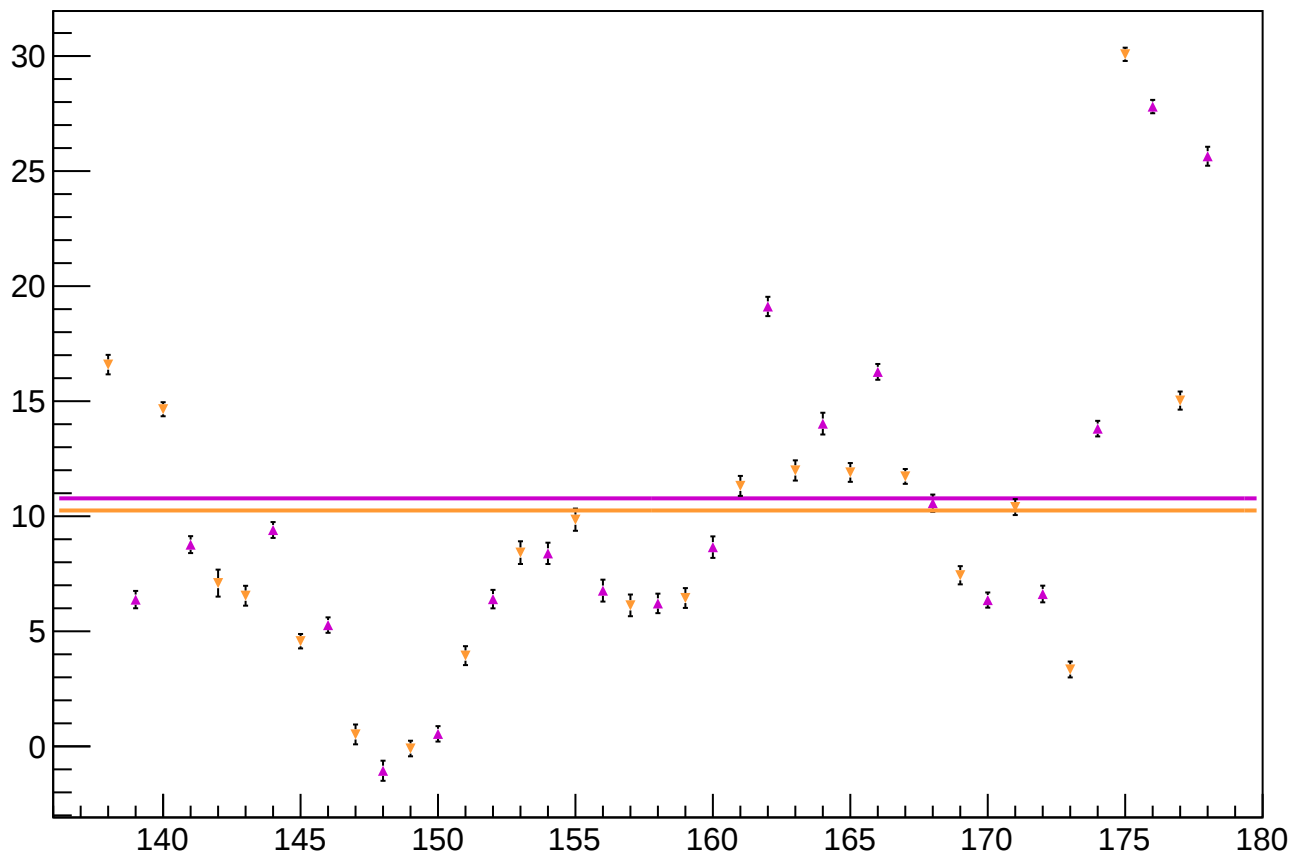
Left In: 0.170 $\pm$ 0.004 χ^2 /NDF:1047.2/19

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

All: 0.170 $\pm$ 0.003 χ^2 /NDF: 1642.2/40

- 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: 10.251+/-0.084 χ^2/NDF : 8069.9/20

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

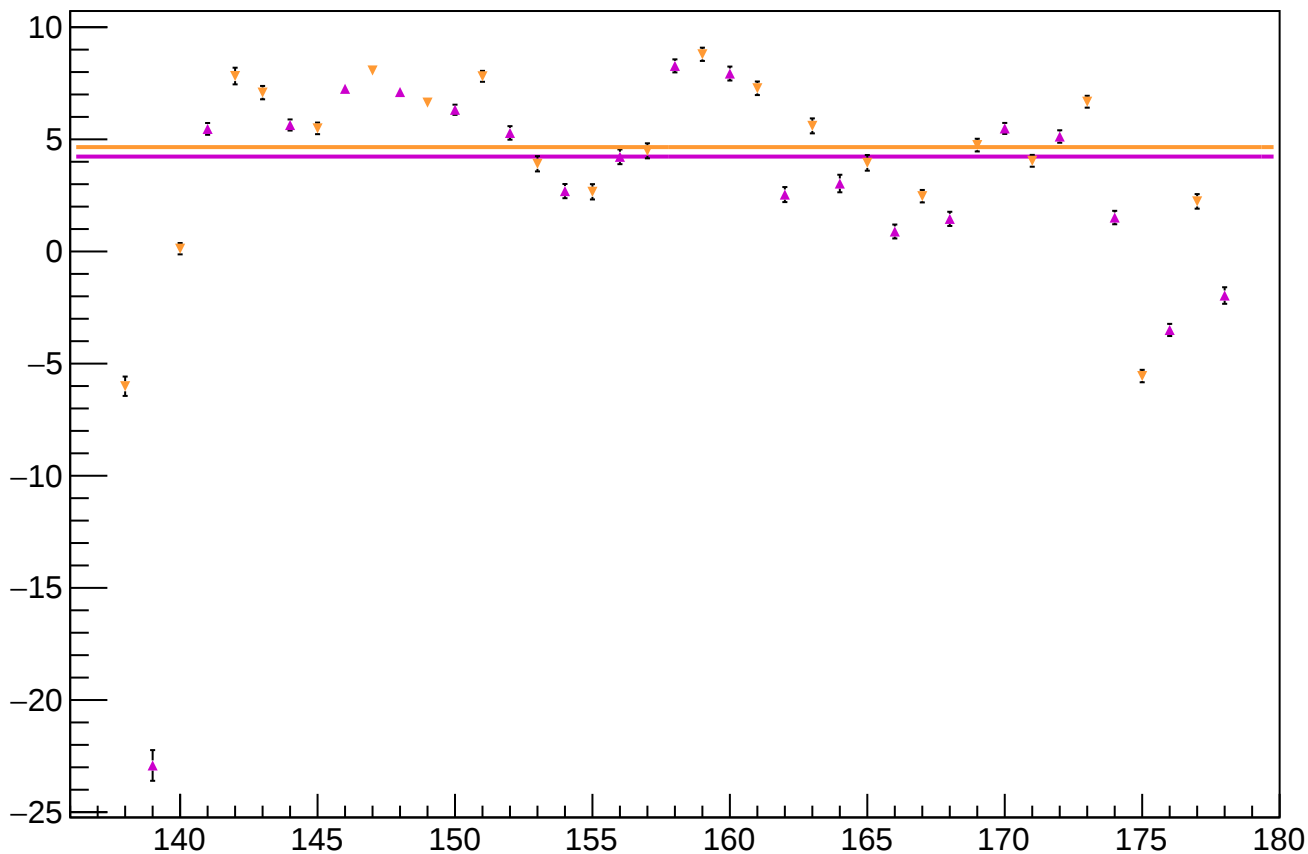
Left In: 10.777+/-0.084 χ^2/NDF : 8303.4/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 10.514+/-0.060 χ^2/NDF : 16392.7/40

- 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: 4.654 $\pm$ 0.062 χ^2 /NDF:3455.5/20

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

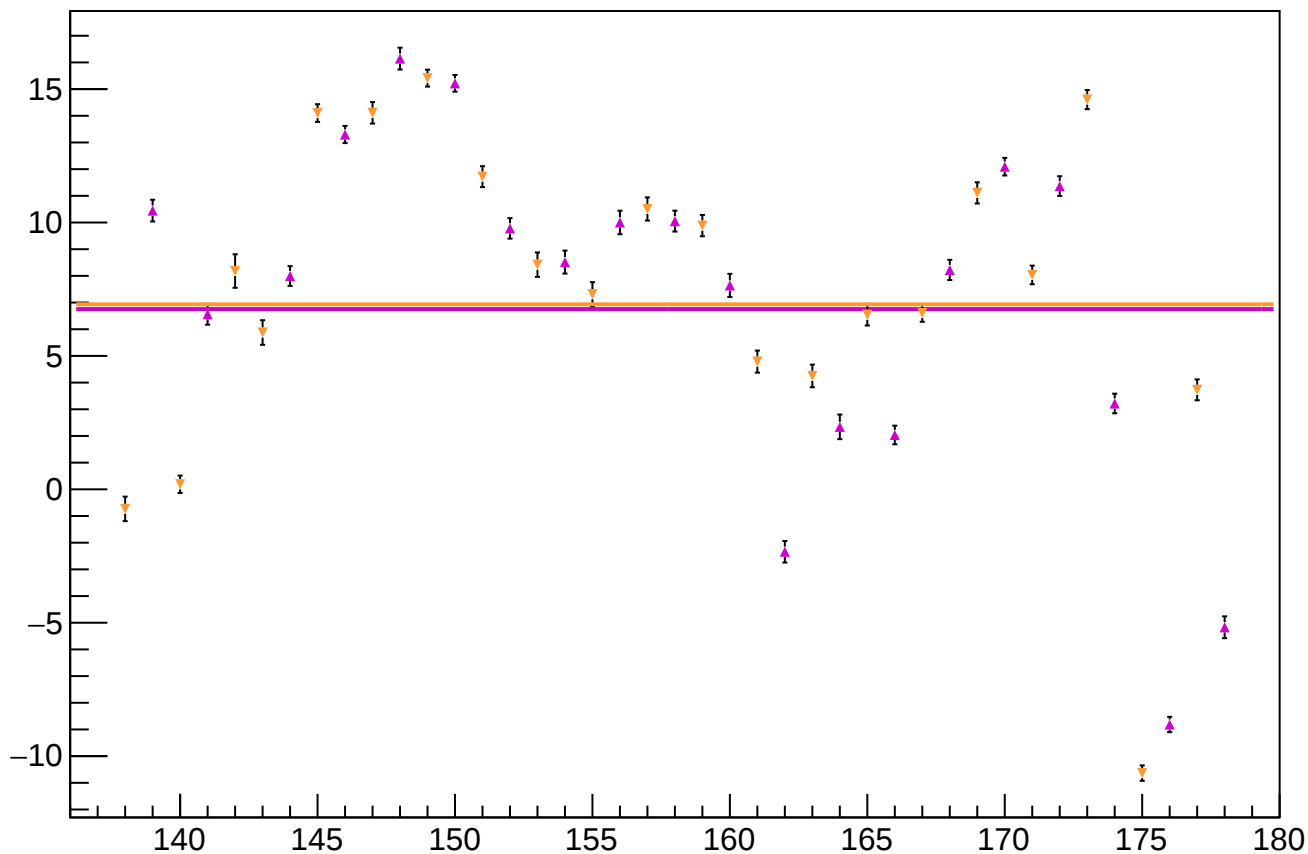
Left In: 4.231 $\pm$ 0.064 χ^2 /NDF:3900.4/19

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

All: 4.447 $\pm$ 0.045 χ^2 /NDF: 7378.3/40

- 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: 6.936 $\pm$ 0.084 χ^2 /NDF:6913.7/20

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

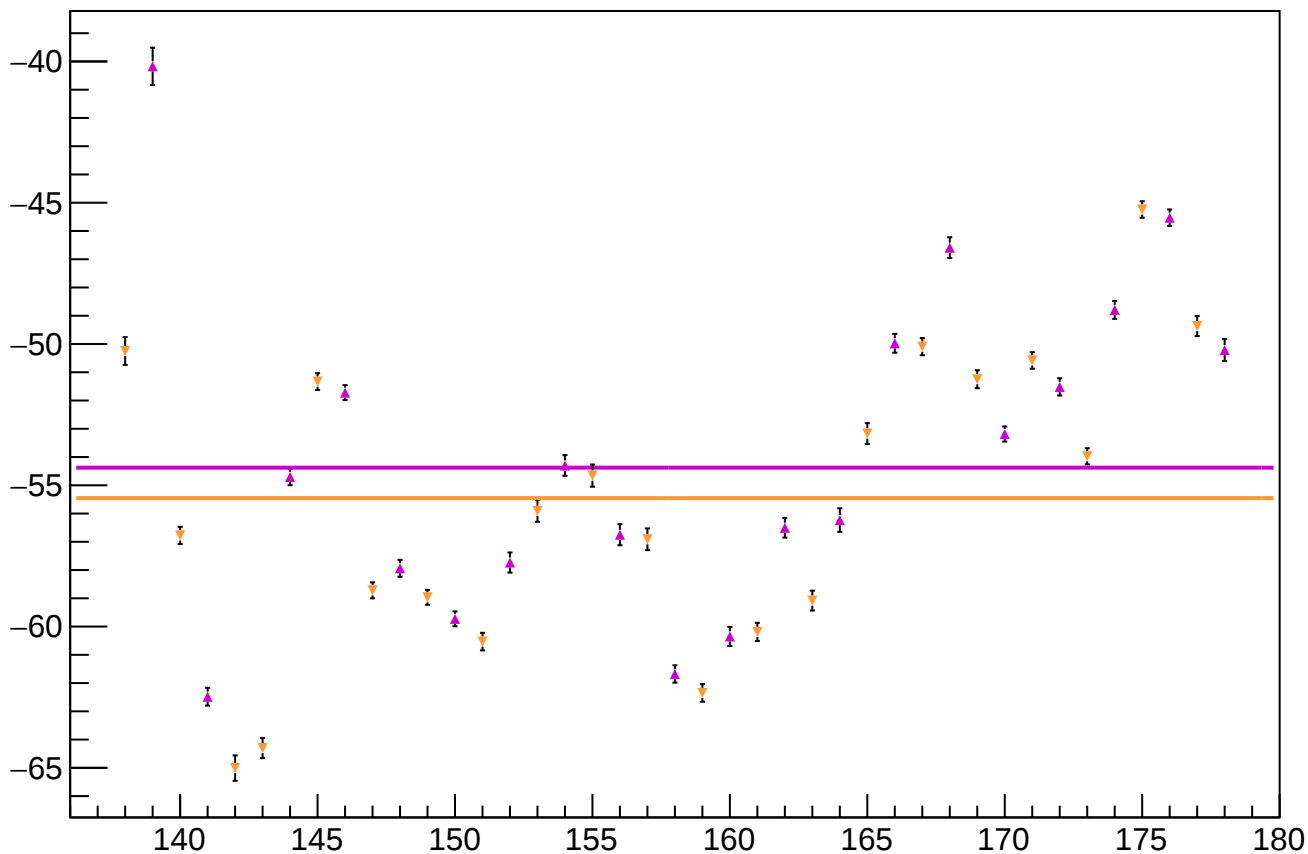
Left In: 6.755 $\pm$ 0.084 χ^2 /NDF:7059.6/19

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

All: 6.845 $\pm$ 0.059 χ^2 /NDF: 13975.6/40

- 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: -55.455+/-0.071 χ^2/NDF : 5140.1/20

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

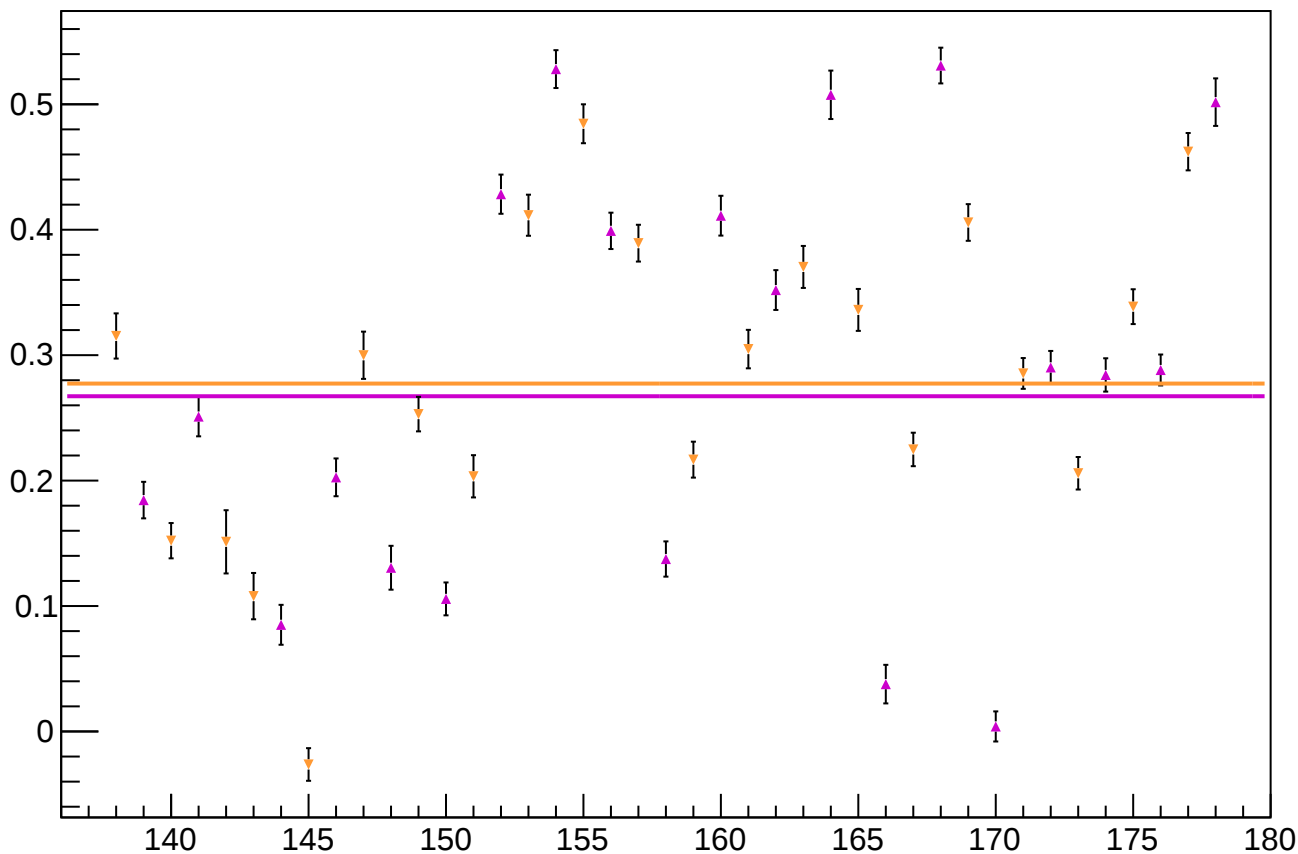
Left In: -54.376+/-0.073 χ^2/NDF : 4923.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -54.925+/-0.051 χ^2/NDF : 10176.1/40

- 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+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.277+/-0.003 χ^2/NDF :1426.6/20

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

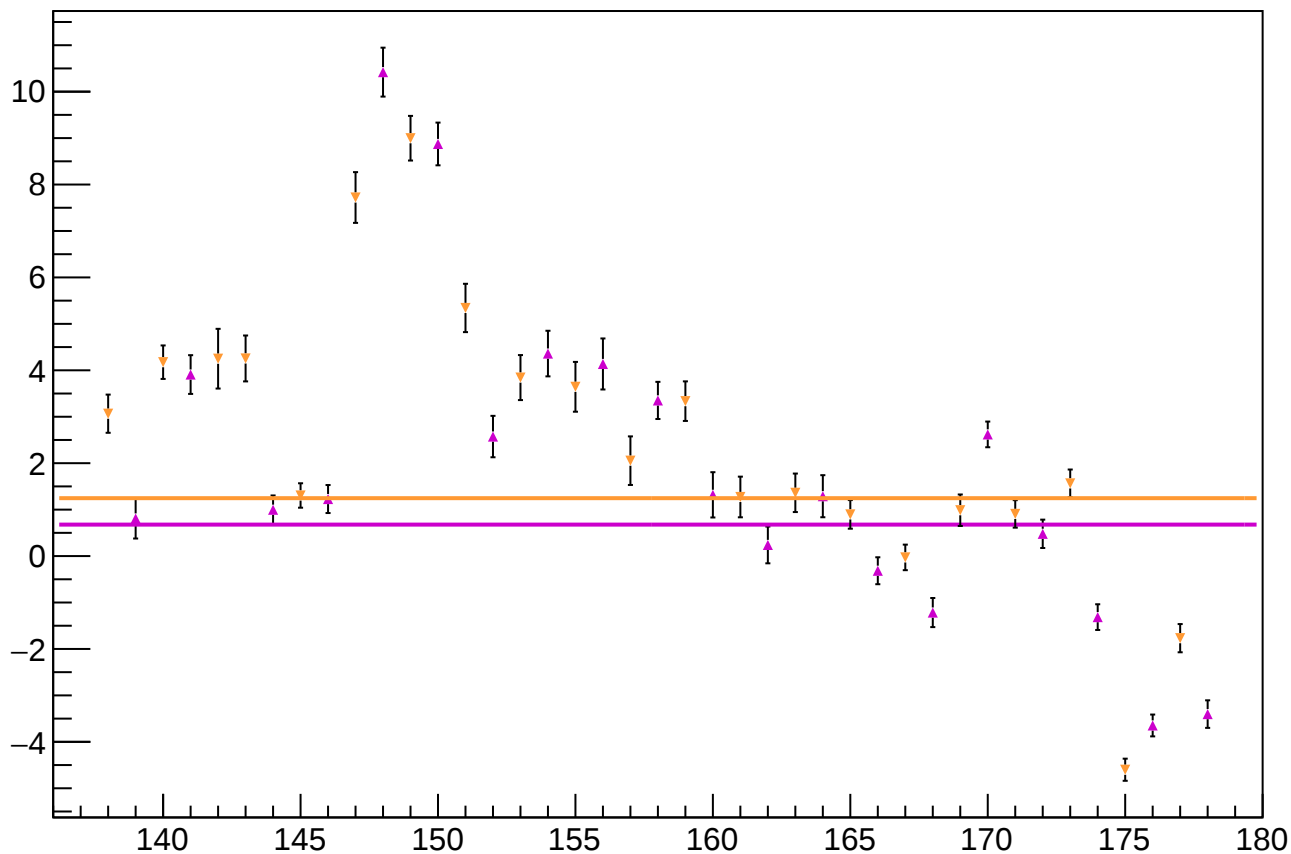
Left In: 0.267+/-0.003 χ^2/NDF :2441.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.272+/-0.002 χ^2/NDF : 3873.1/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: 1.247+/-0.080 χ^2/NDF :1408.7/20

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

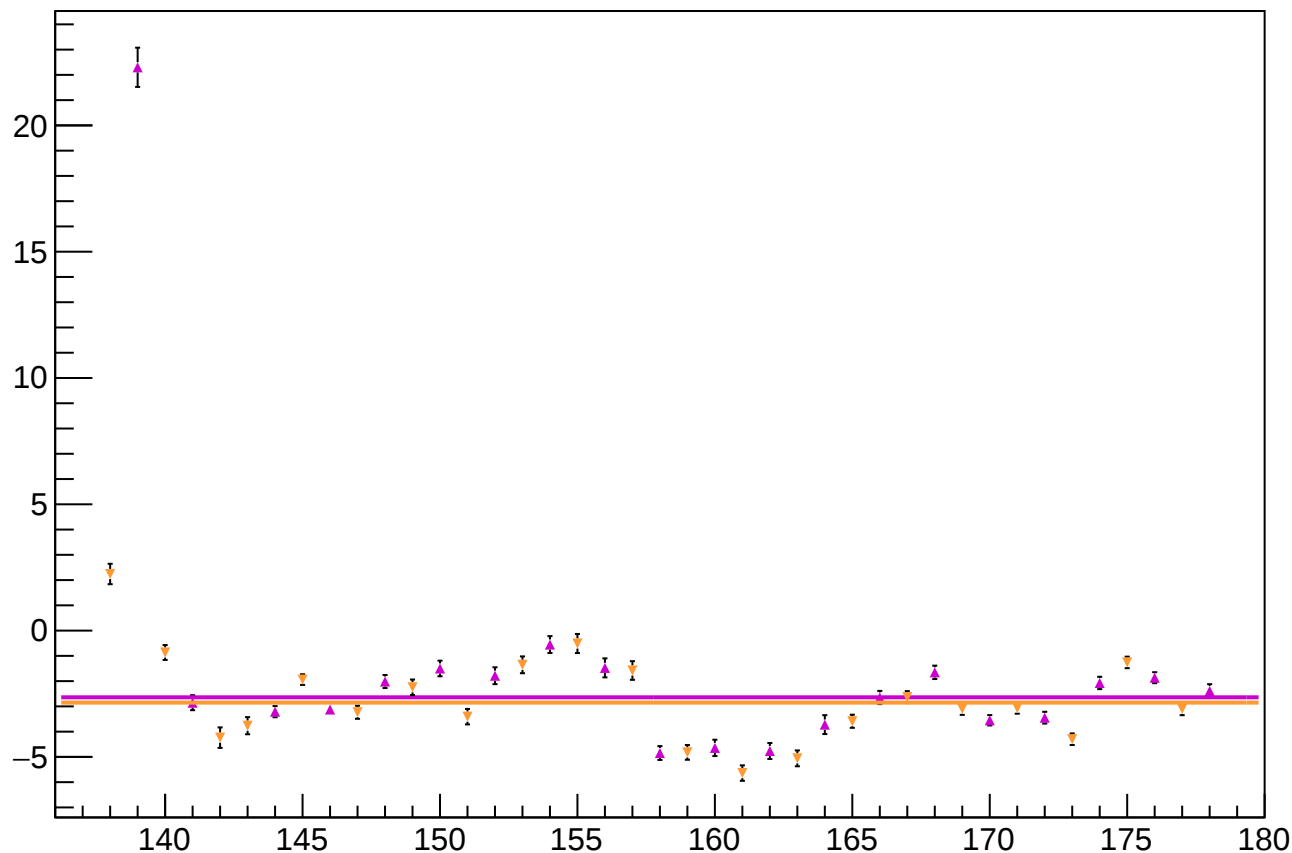
Left In: 0.677+/-0.078 χ^2/NDF :1565.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.956+/-0.056 χ^2/NDF : 2999.9/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

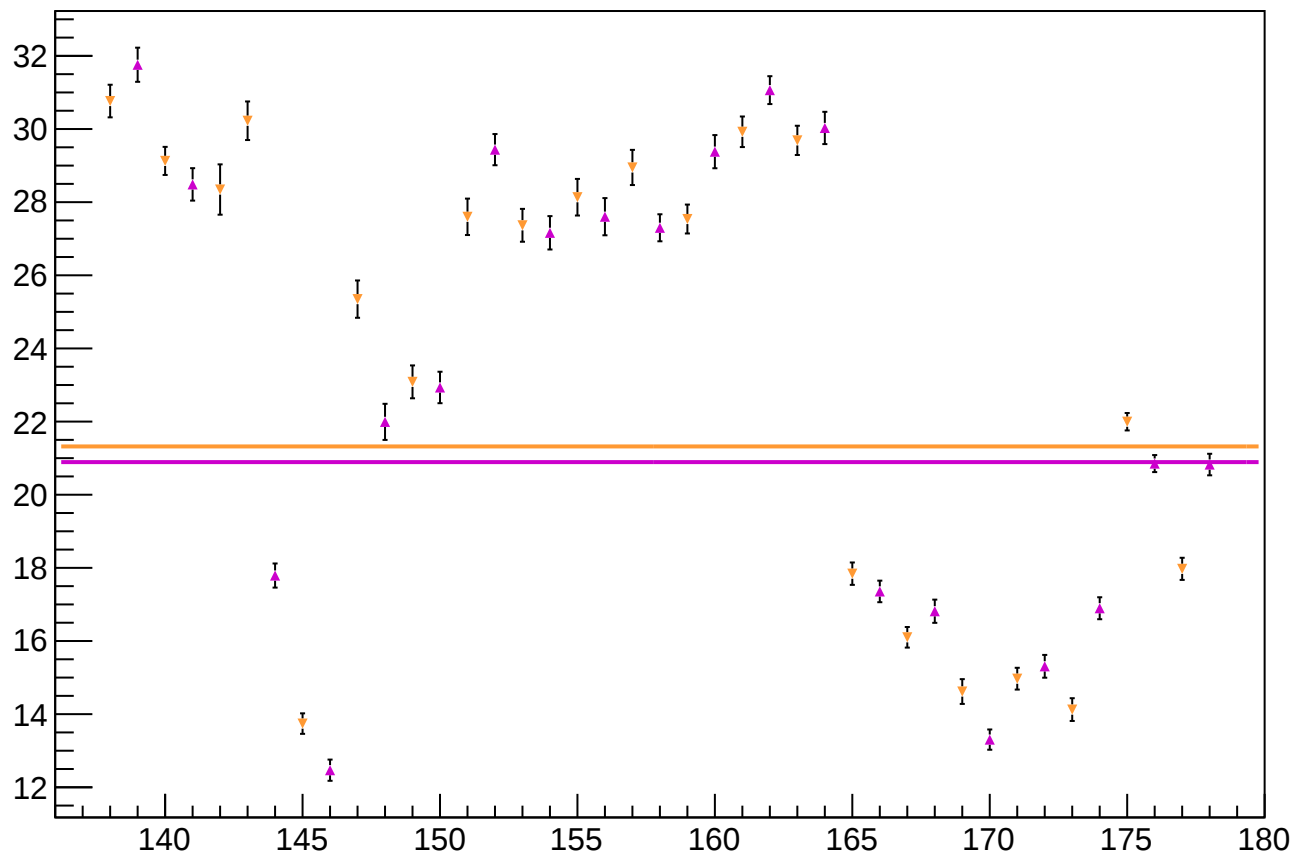
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -2.851 ± 0.061 χ^2/NDF : 599.8/20
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -2.641 ± 0.060 χ^2/NDF : 1338.9/19

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0
 All: -2.745 ± 0.043 χ^2/NDF : 1944.7/40
 - sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 21.320+/-0.080 χ^2/NDF : 5930.2/20

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

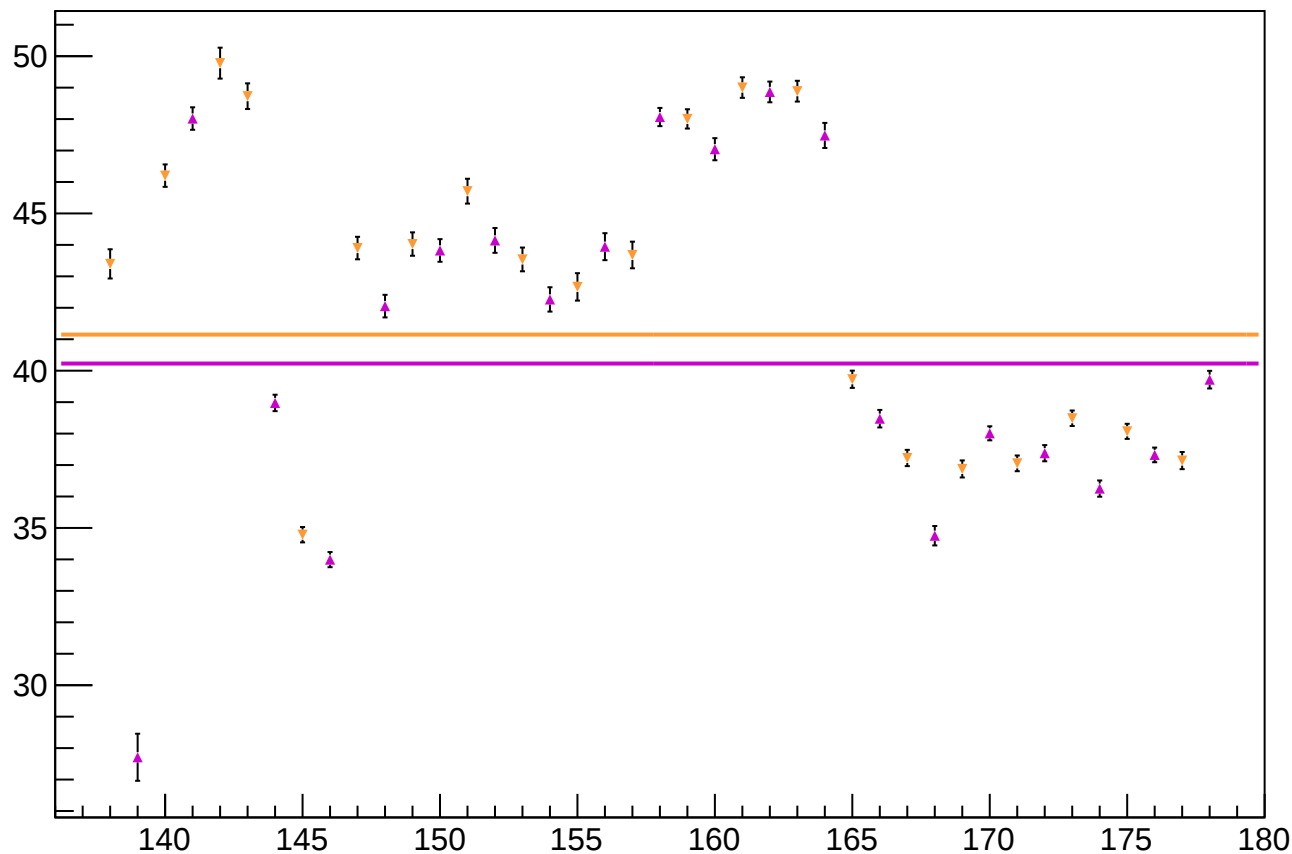
Left In: 20.892+/-0.078 χ^2/NDF : 5909.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 21.101+/-0.056 χ^2/NDF : 11853.9/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 41.148+/-0.069 χ^2/NDF : 4792.1/20

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

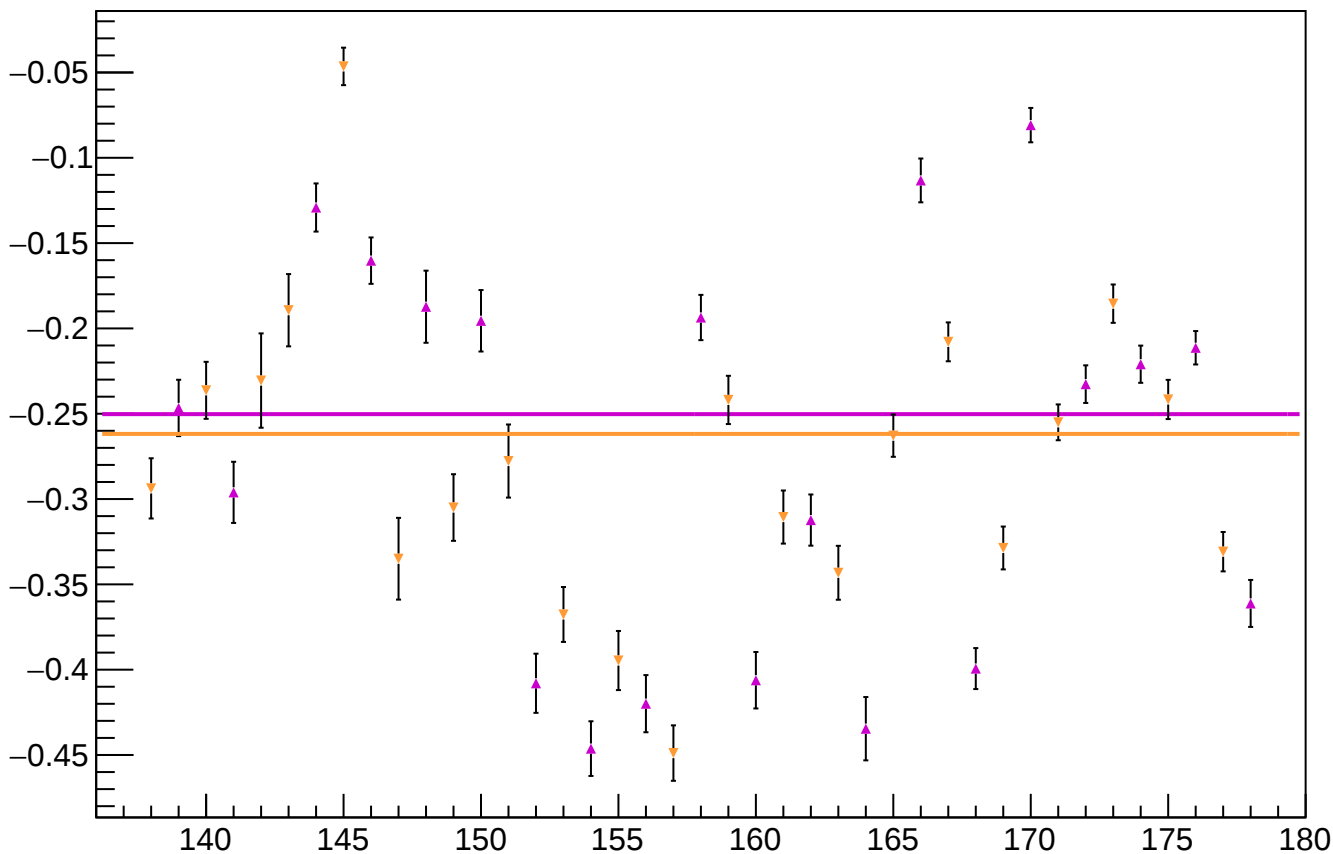
Left In: 40.227+/-0.068 χ^2/NDF : 4875.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 40.685+/-0.048 χ^2/NDF : 9758.0/40

- 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: -0.262 $\pm$ 0.003 χ^2 /NDF:826.9/20

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

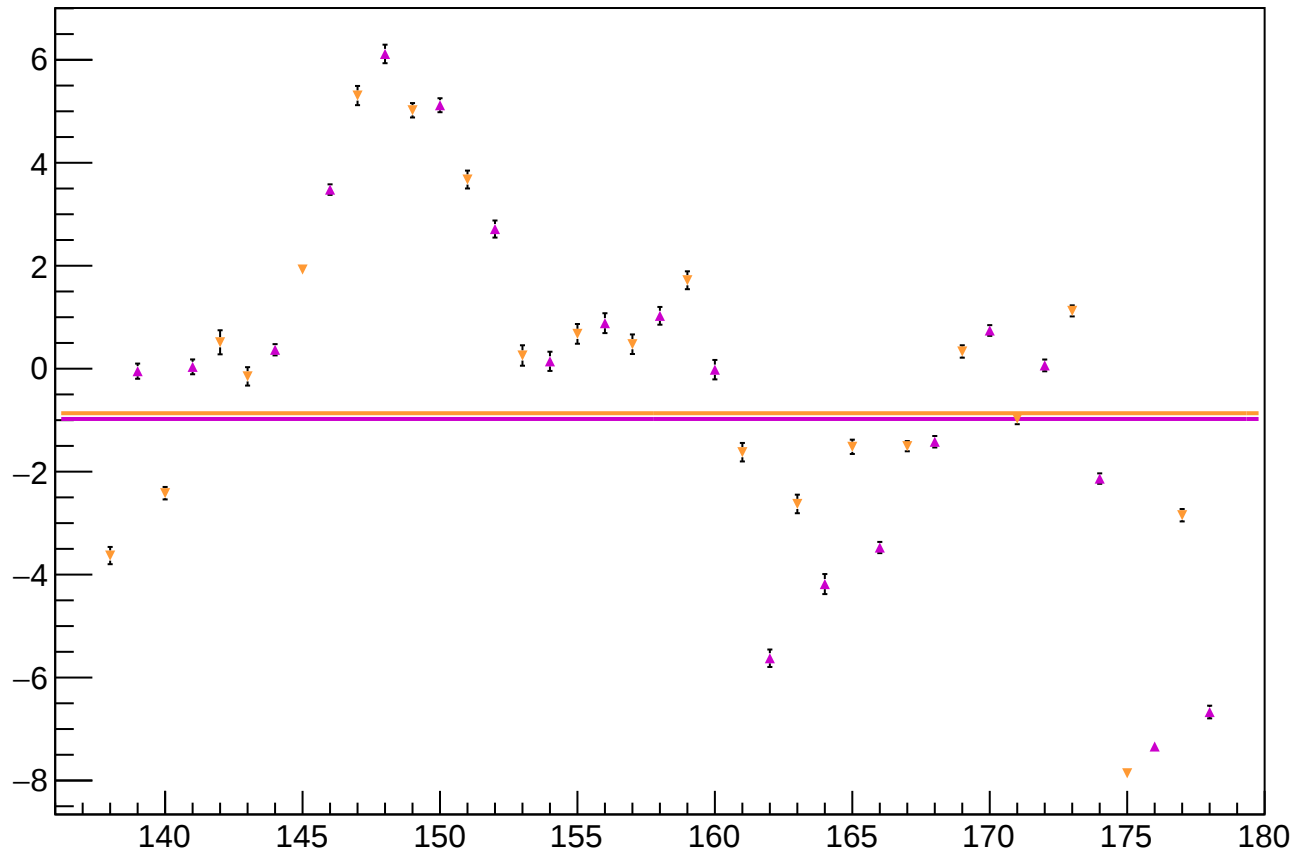
Left In: -0.250 $\pm$ 0.003 χ^2 /NDF:1341.0/19

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

All: -0.256 $\pm$ 0.002 χ^2 /NDF: 2174.9/40

- 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: -0.865+/-0.030 χ^2/NDF :12555.3/20

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

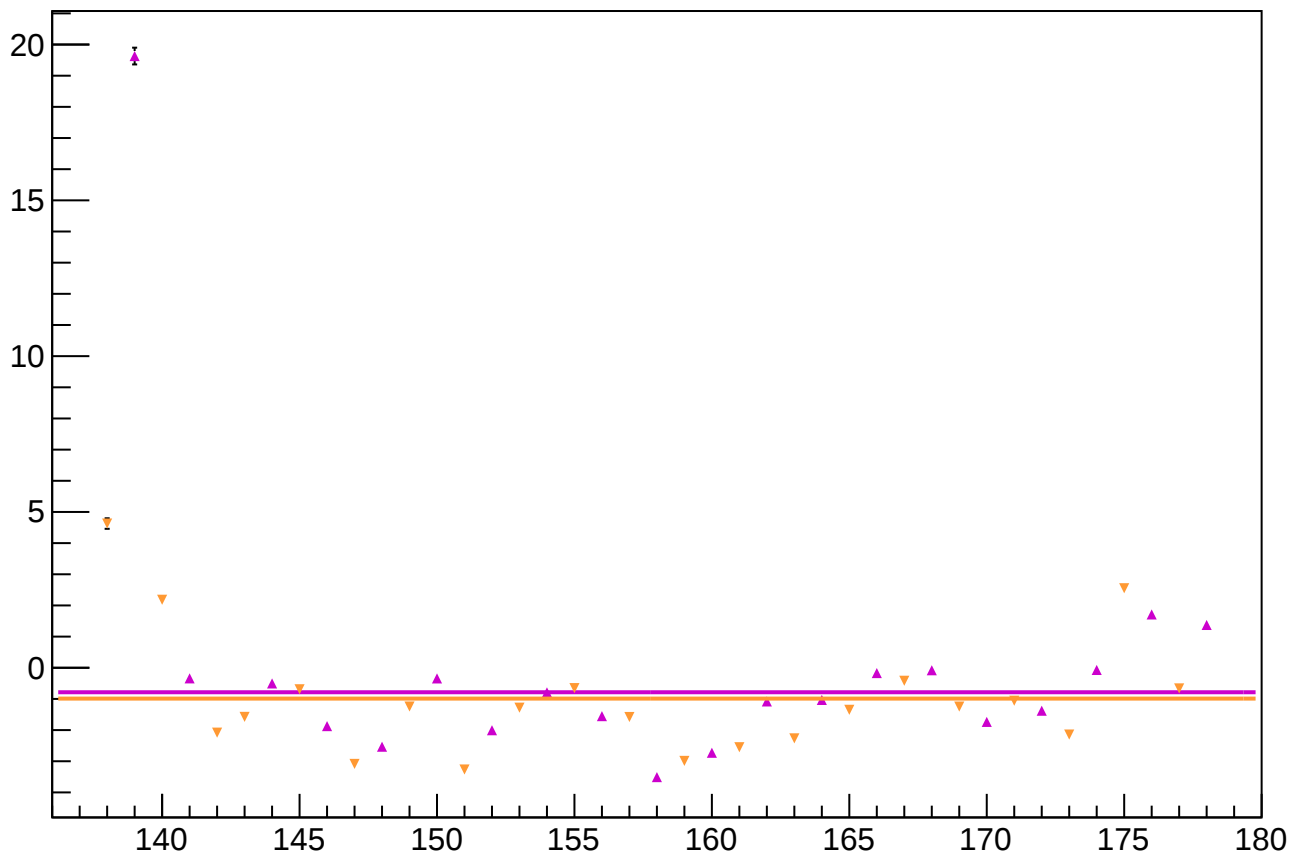
Left In: -0.977+/-0.029 χ^2/NDF :15423.6/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -0.922+/-0.021 χ^2/NDF : 27986.2/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



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

Left Out: -0.989 $\pm$ 0.022 χ^2 /NDF:5842.0/20

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

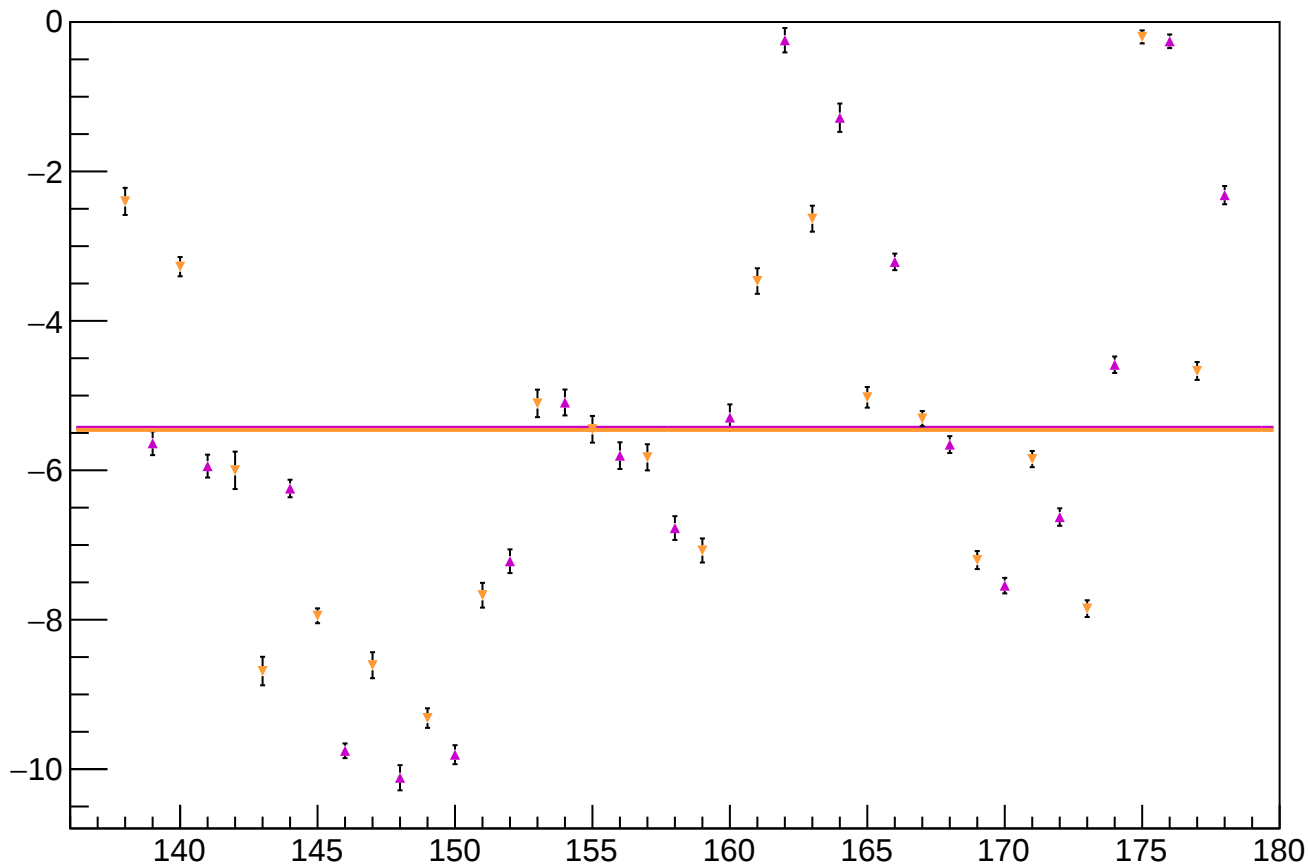
Left In: -0.786 $\pm$ 0.022 χ^2 /NDF:8944.0/19

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

All: -0.887 $\pm$ 0.016 χ^2 /NDF: 14827.4/40

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

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



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

Left Out: -5.460 $\pm$ 0.030 χ^2 /NDF:7710.8/20

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

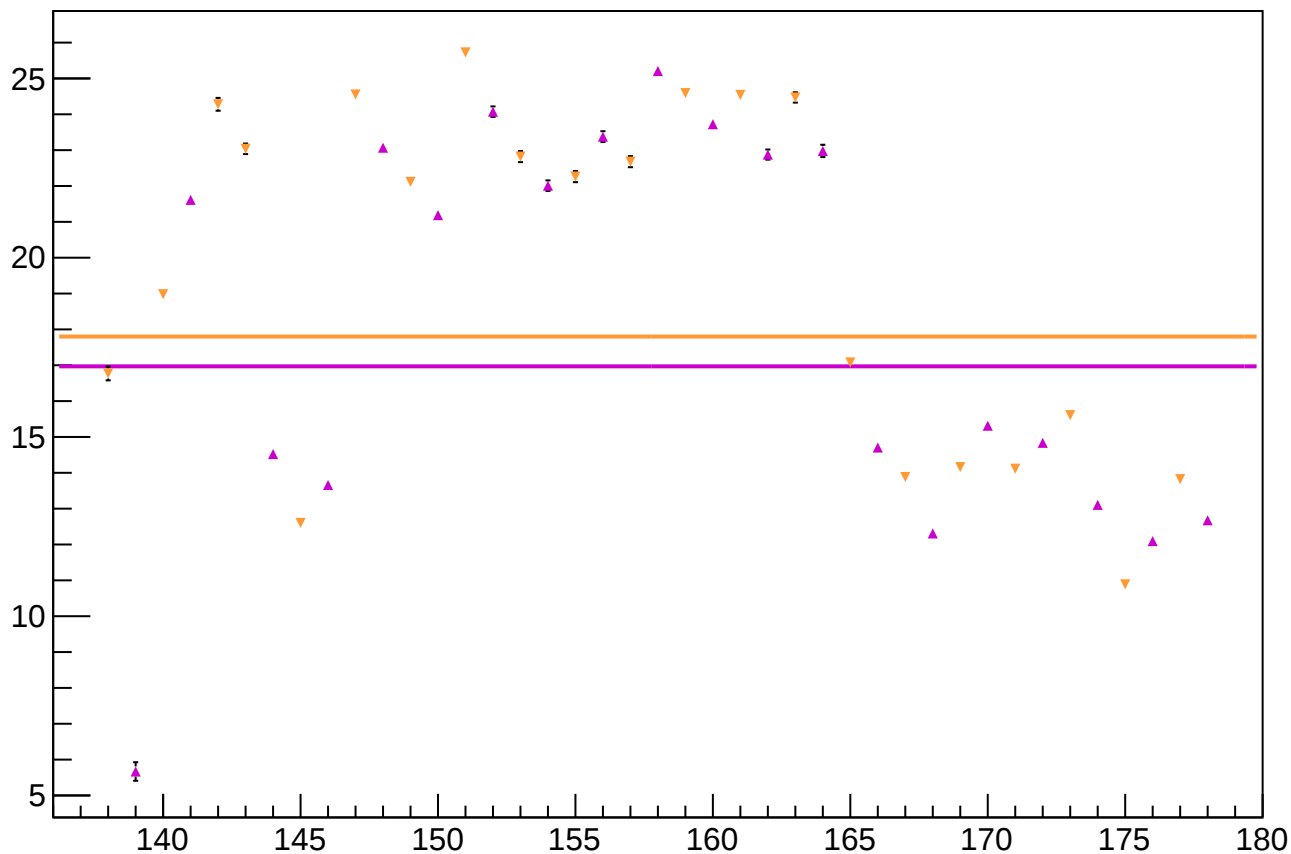
Left In: -5.431 $\pm$ 0.029 χ^2 /NDF:10475.9/19

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

All: -5.445 $\pm$ 0.021 χ^2 /NDF: 18187.2/40

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

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 17.800 $\pm$ 0.025 χ^2 /NDF:37786.5/20

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

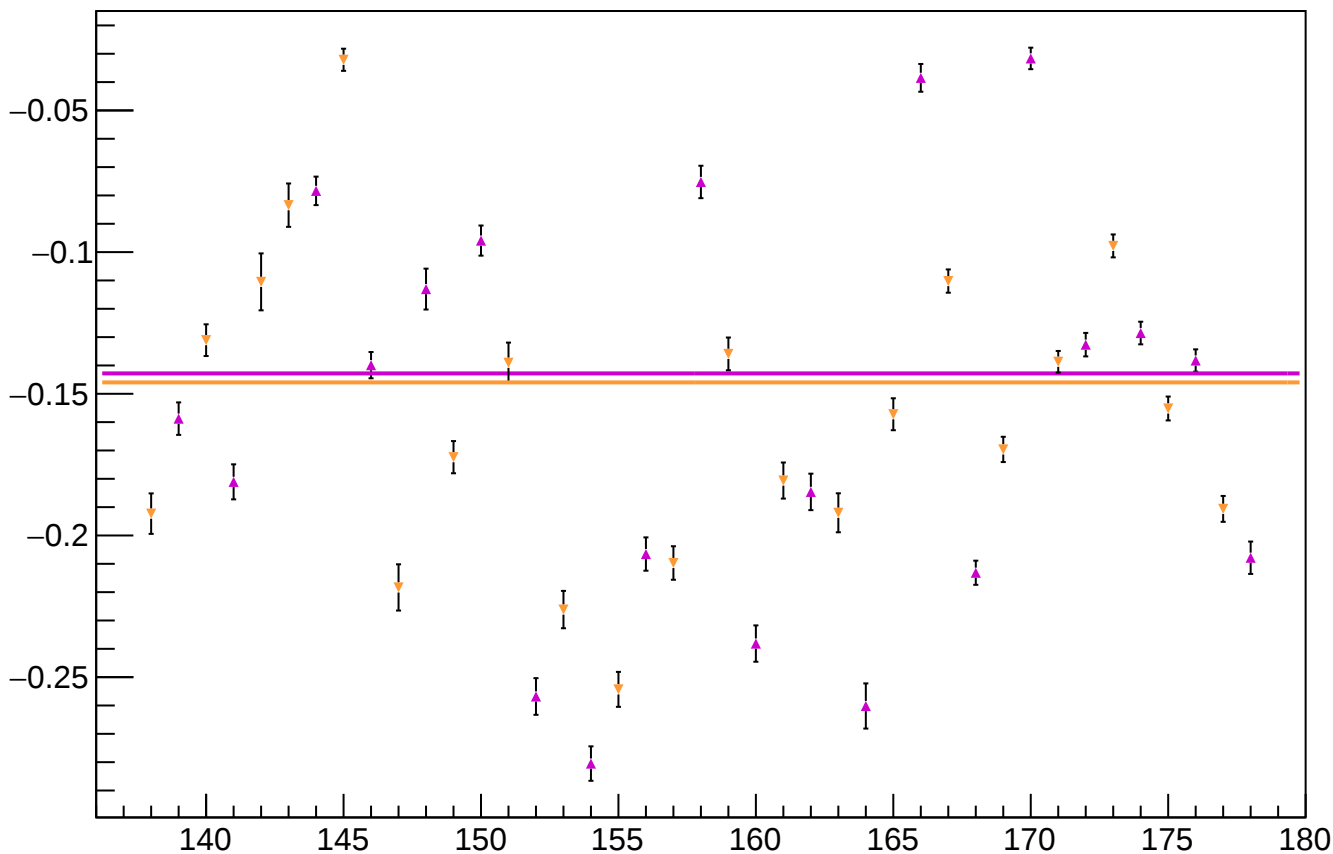
Left In: 16.969 $\pm$ 0.025 χ^2 /NDF:33612.2/19

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

All: 17.383 $\pm$ 0.018 χ^2 /NDF: 71935.0/40

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

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.146 $\pm$ 0.001 χ^2/NDF :2081.6/20

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

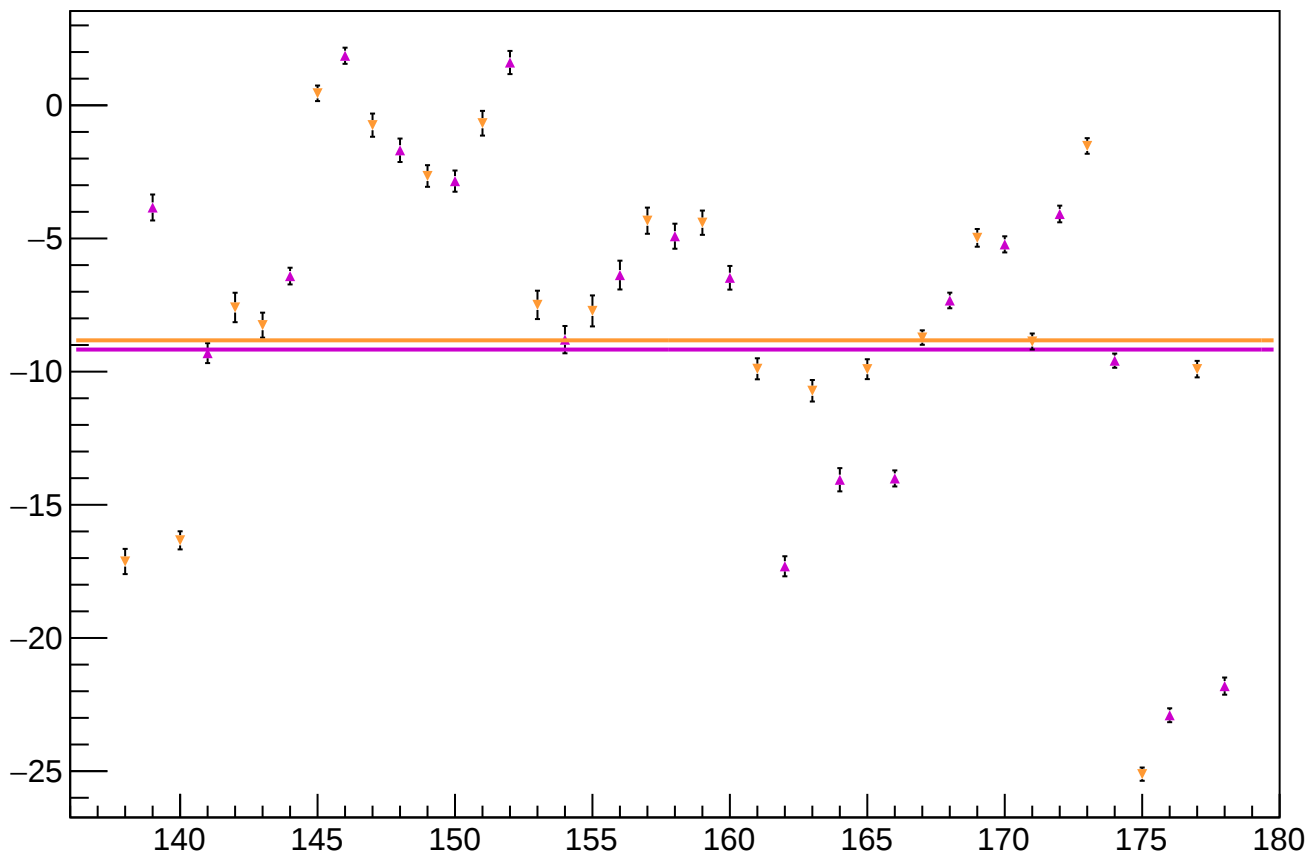
Left In: -0.143 $\pm$ 0.001 χ^2/NDF :3600.4/19

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

All: -0.144 $\pm$ 0.001 χ^2/NDF : 5685.8/40

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

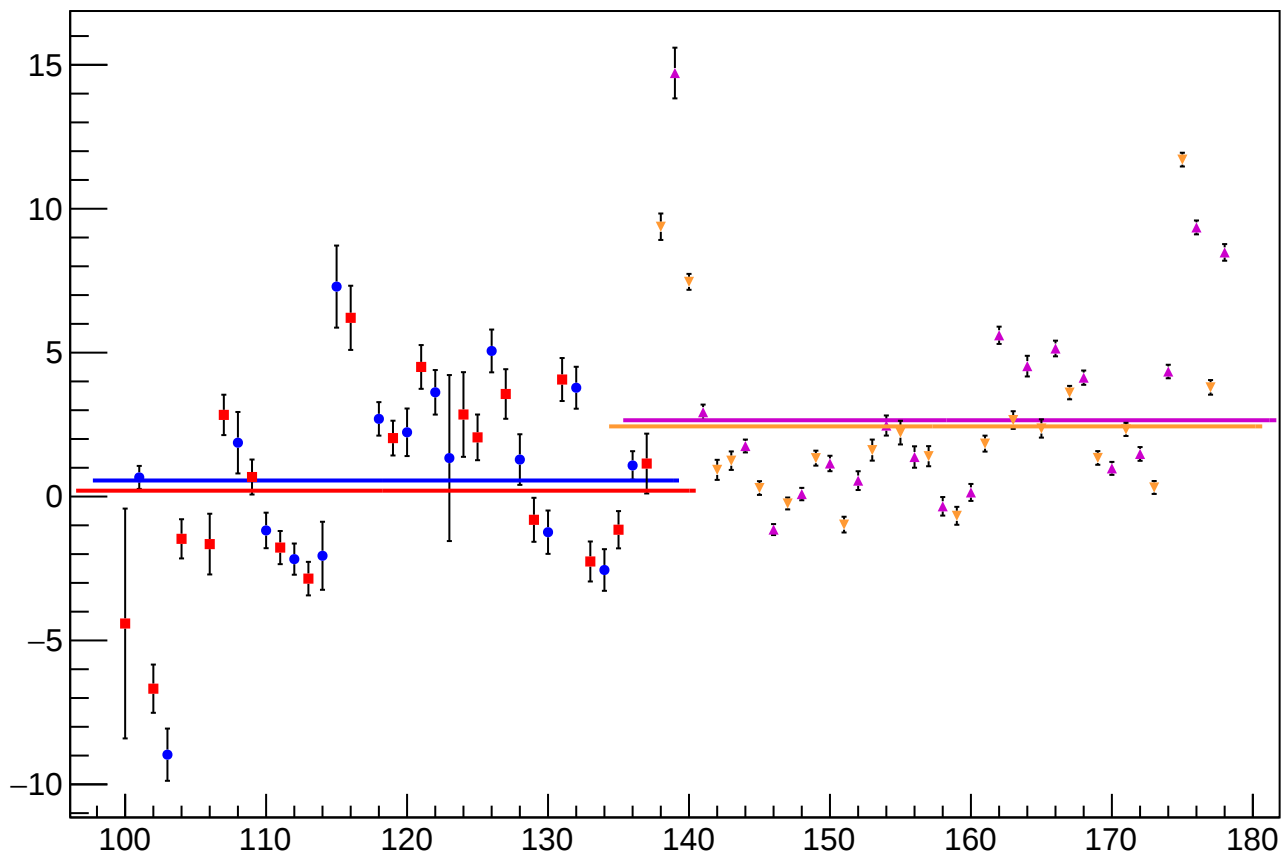
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.825 $\pm$ 0.080 χ^2 /NDF:7955.6/20
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -9.171 $\pm$ 0.079 χ^2 /NDF:8448.5/19

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 All: -9.000 $\pm$ 0.056 χ^2 /NDF: 16413.6/40
 - sign 0.000 $\pm$ 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: 2.438 ± 0.060 χ^2/NDF : 2797.3/20

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

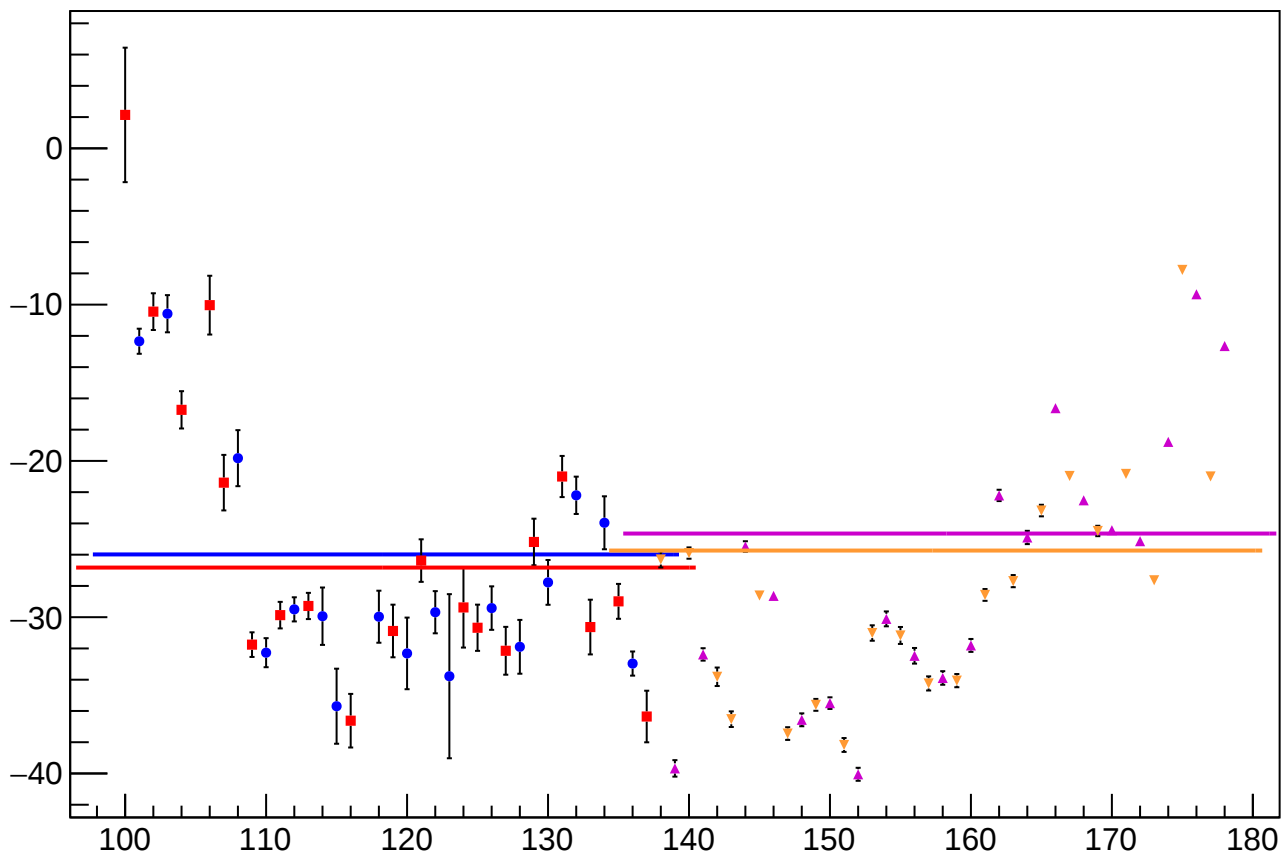
Left In: 2.651 ± 0.060 χ^2/NDF : 2537.4/19

+ sign 2.230 ± 0.057 χ^2/NDF : 3193.8/37

All: 2.311 ± 0.040 χ^2/NDF : 6183.0/76

- sign 2.392 ± 0.057 χ^2/NDF : 2985.1/38

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -25.736 ± 0.080 χ^2/NDF : 10133.1/20

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

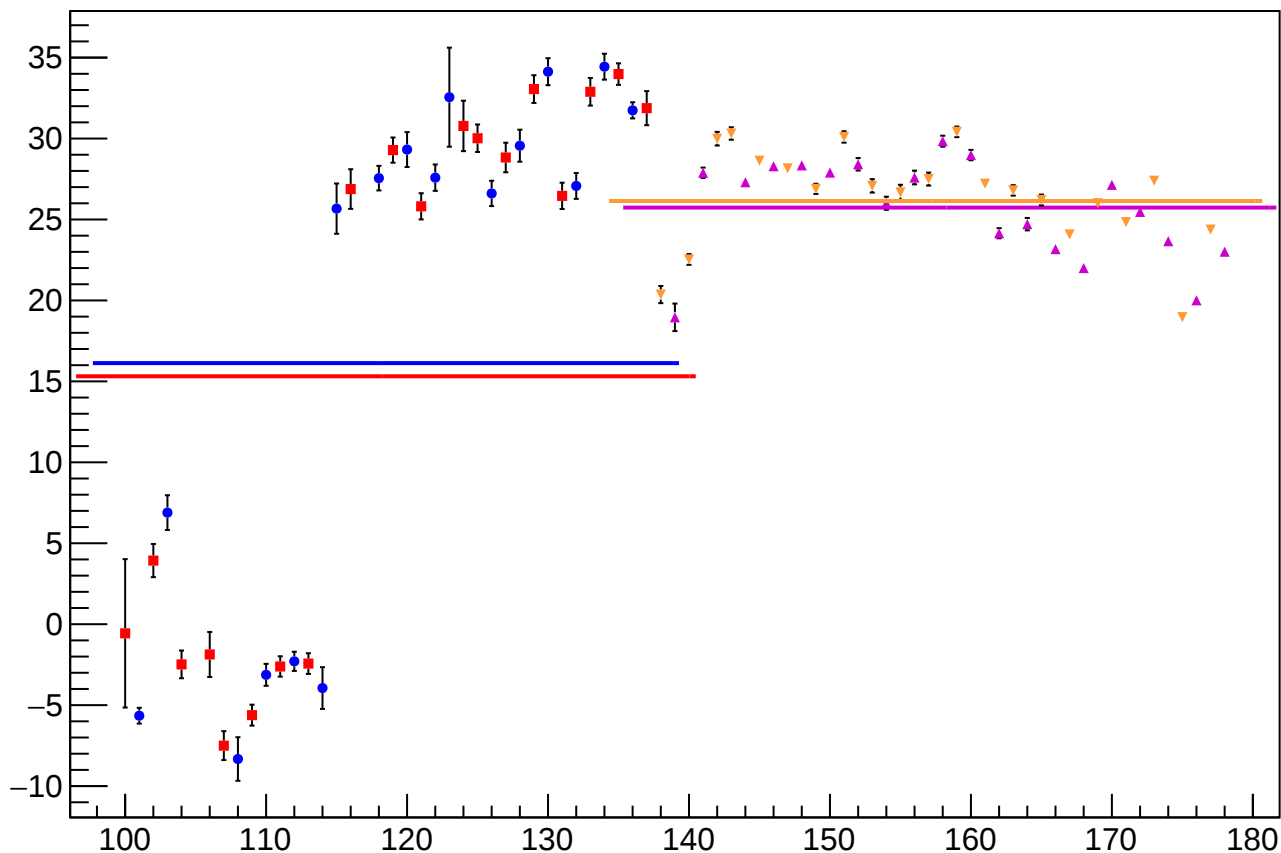
Left In: -24.648 ± 0.079 χ^2/NDF : 11670.7/19

+ sign -25.752 ± 0.077 χ^2/NDF : 10825.2/37

All: -25.263 ± 0.054 χ^2/NDF : 23206.0/76

- sign -24.790 ± 0.076 χ^2/NDF : 12302.3/38

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129+/-0.192 χ^2/NDF : 7572.5/16

Left Out: 26.141+/-0.068 χ^2/NDF : 1877.2/20

Right Out: 15.315+/-0.197 χ^2/NDF : 7278.1/18

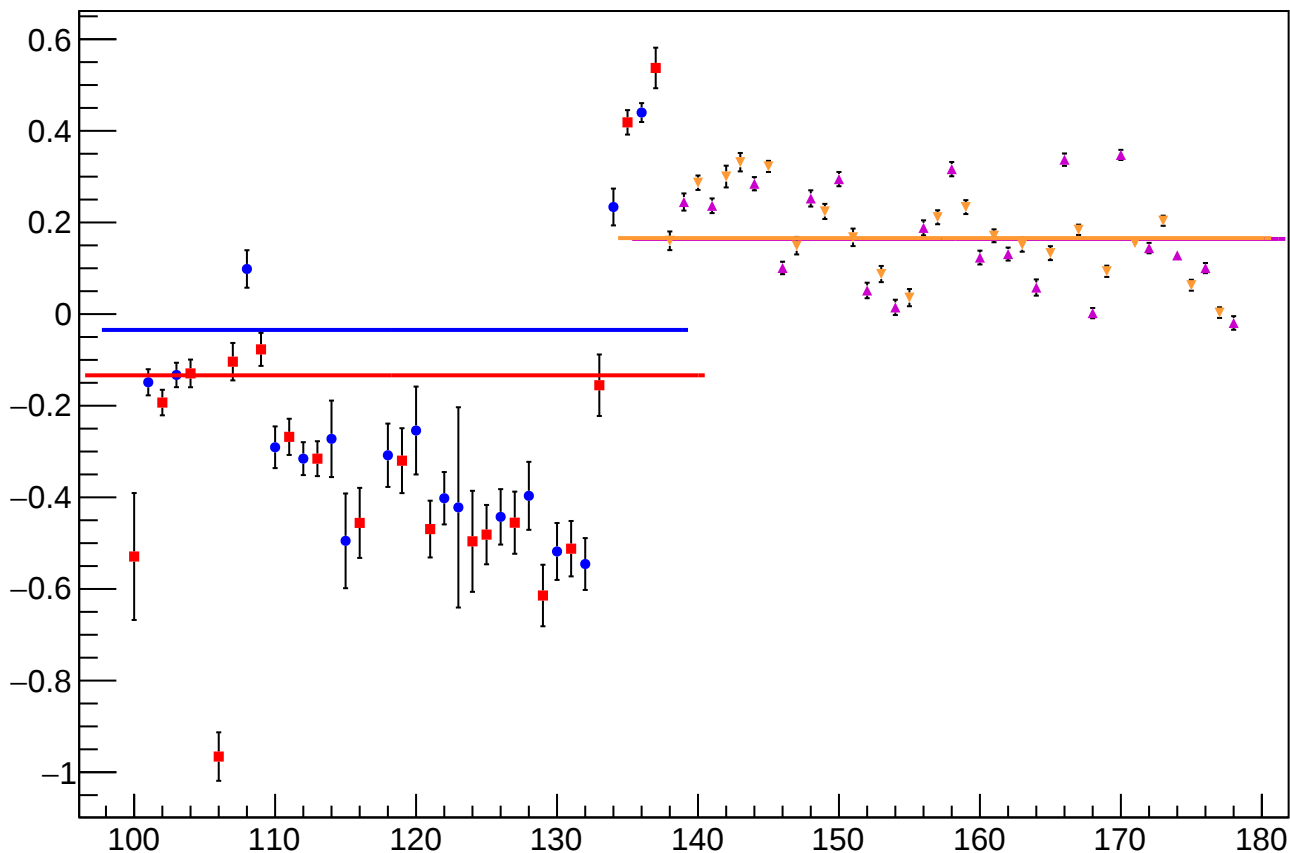
Left In: 25.735+/-0.068 χ^2/NDF : 1647.6/19

+ sign 25.019+/-0.064 χ^2/NDF : 11862.8/37

All: 24.820+/-0.046 χ^2/NDF : 23305.7/76

- sign 24.620+/-0.064 χ^2/NDF : 11423.7/38

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.166 ± 0.003 χ^2/NDF : 760.7/20

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

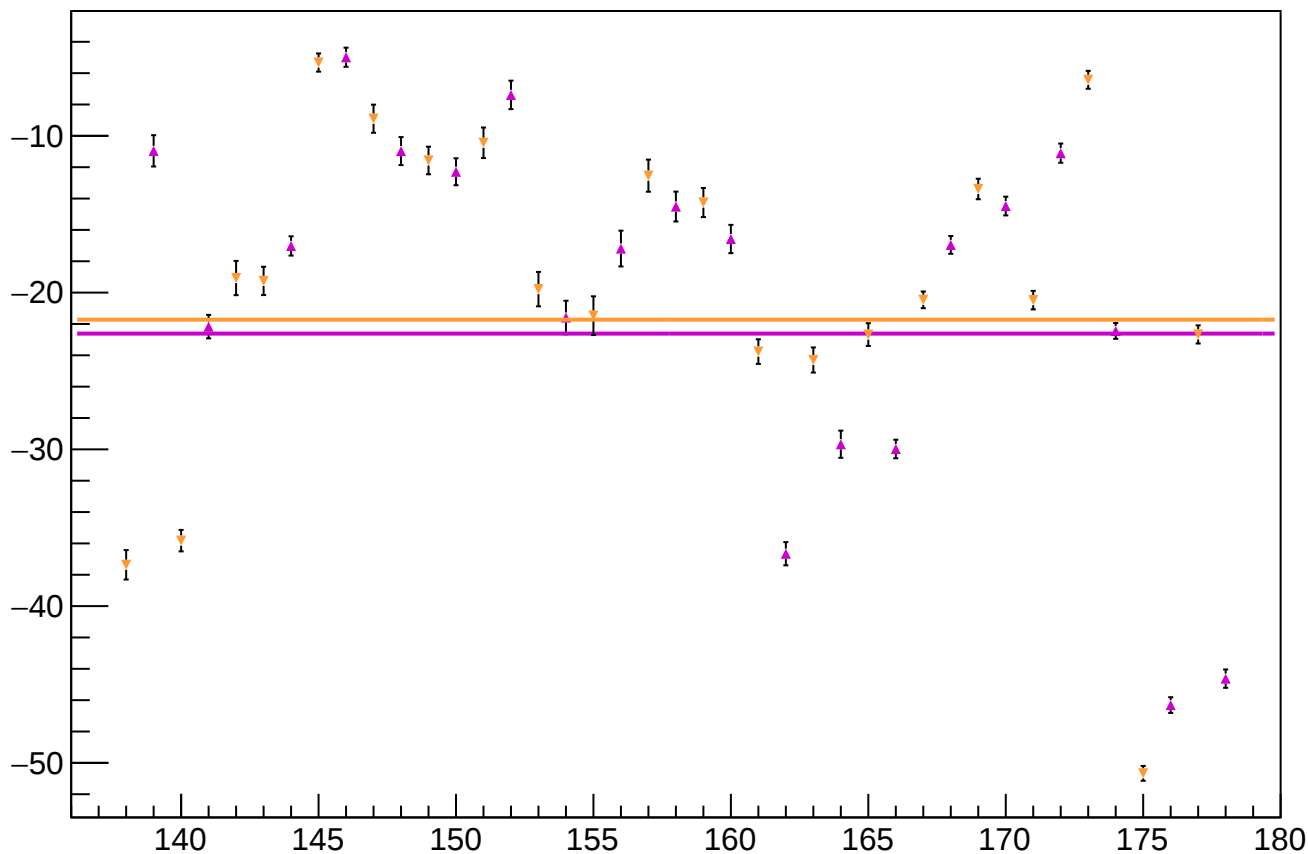
Left In: 0.164 ± 0.003 χ^2/NDF : 1341.9/19

+ sign 0.149 ± 0.003 χ^2/NDF : 2116.8/37

All: 0.144 ± 0.002 χ^2/NDF : 5380.4/76

- sign 0.139 ± 0.003 χ^2/NDF : 3258.6/38

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -21.726+/-0.159 χ^2/NDF : 6760.6/20

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

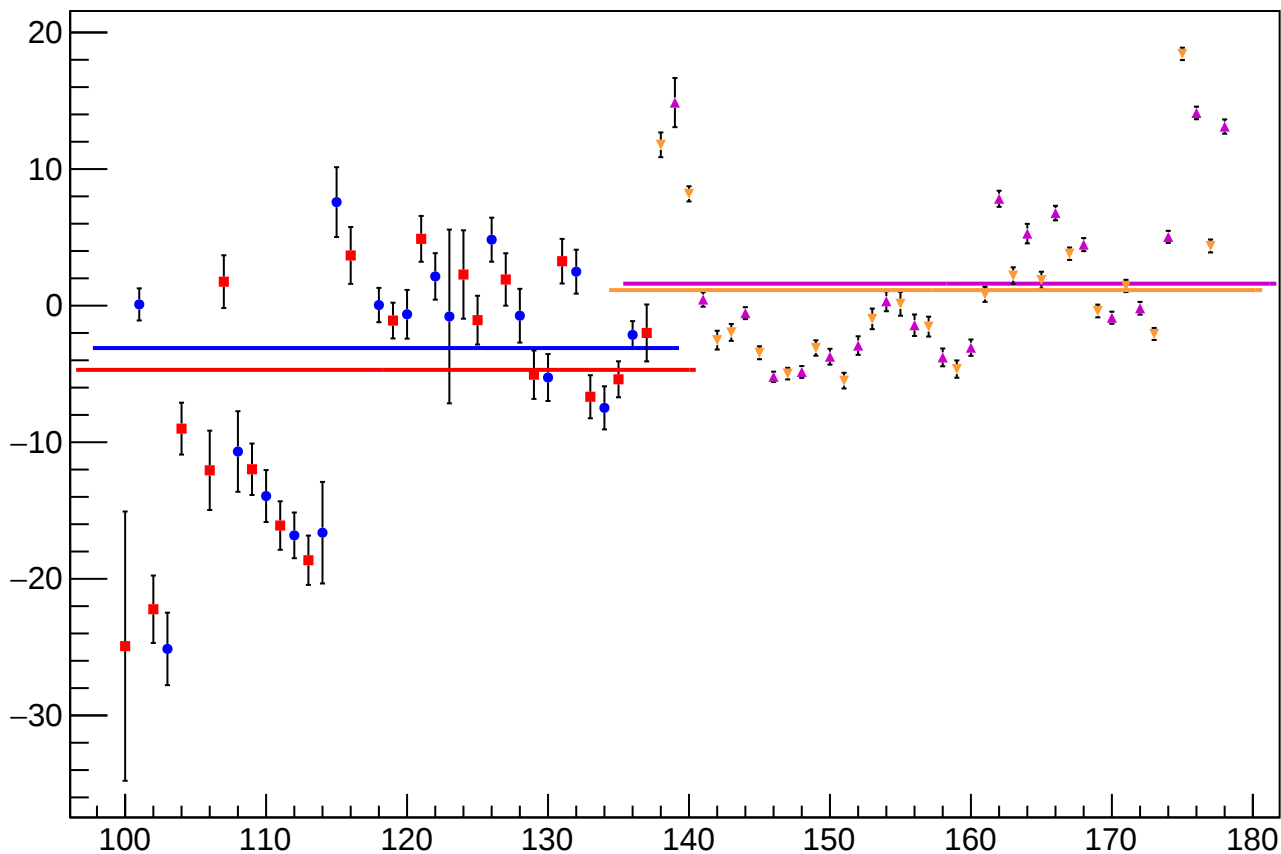
Left In: -22.615+/-0.156 χ^2/NDF : 6655.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -22.179+/-0.111 χ^2/NDF : 13432.5/40

- 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: 1.138 ± 0.119 χ^2/NDF : 2543.3/20

Right Out: -4.701 ± 0.427 χ^2/NDF : 297.6/18

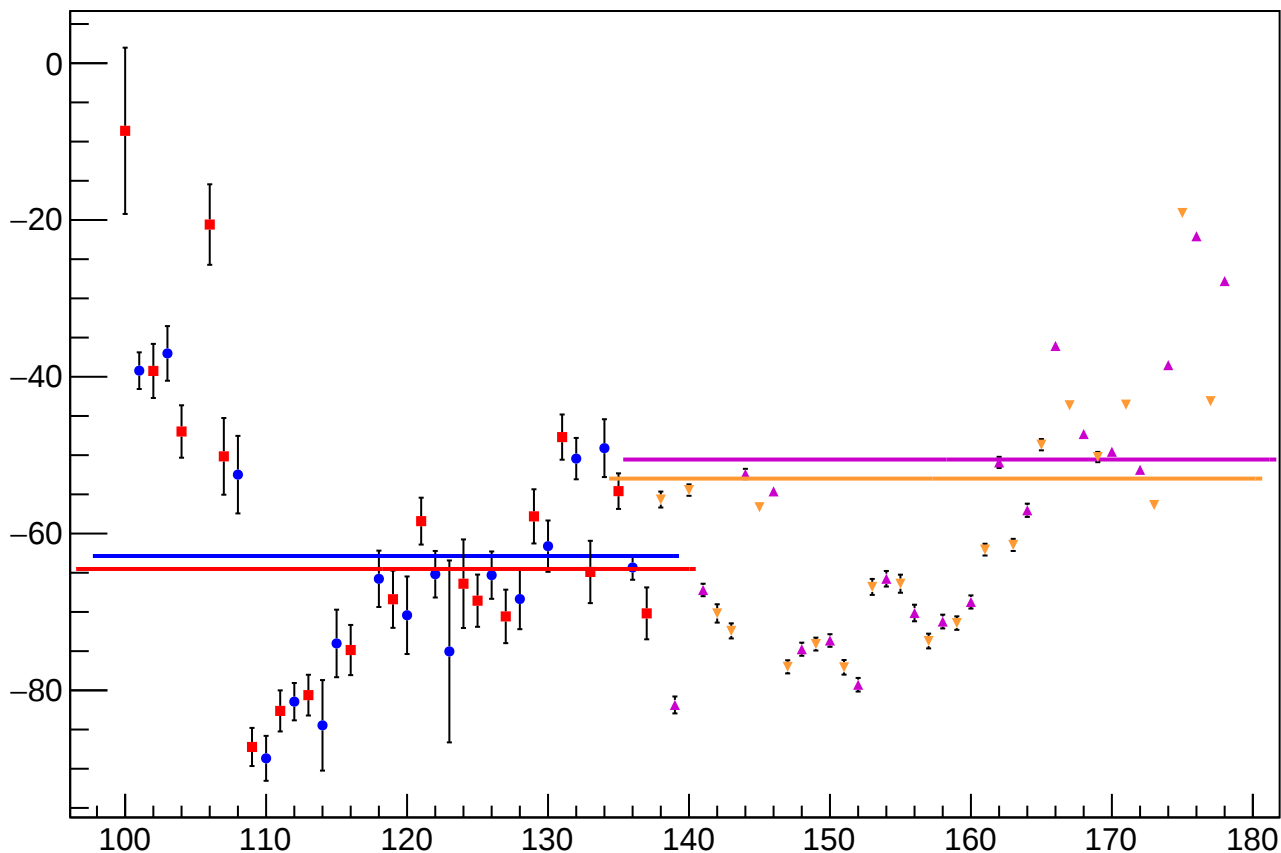
Left In: 1.610 ± 0.119 χ^2/NDF : 2490.4/19

+ sign 0.808 ± 0.115 χ^2/NDF : 2920.6/37

All: 0.982 ± 0.081 χ^2/NDF : 5916.5/76

- sign 1.156 ± 0.114 χ^2/NDF : 2991.2/38

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -52.989 ± 0.159 χ^2/NDF : 10342.5/20

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

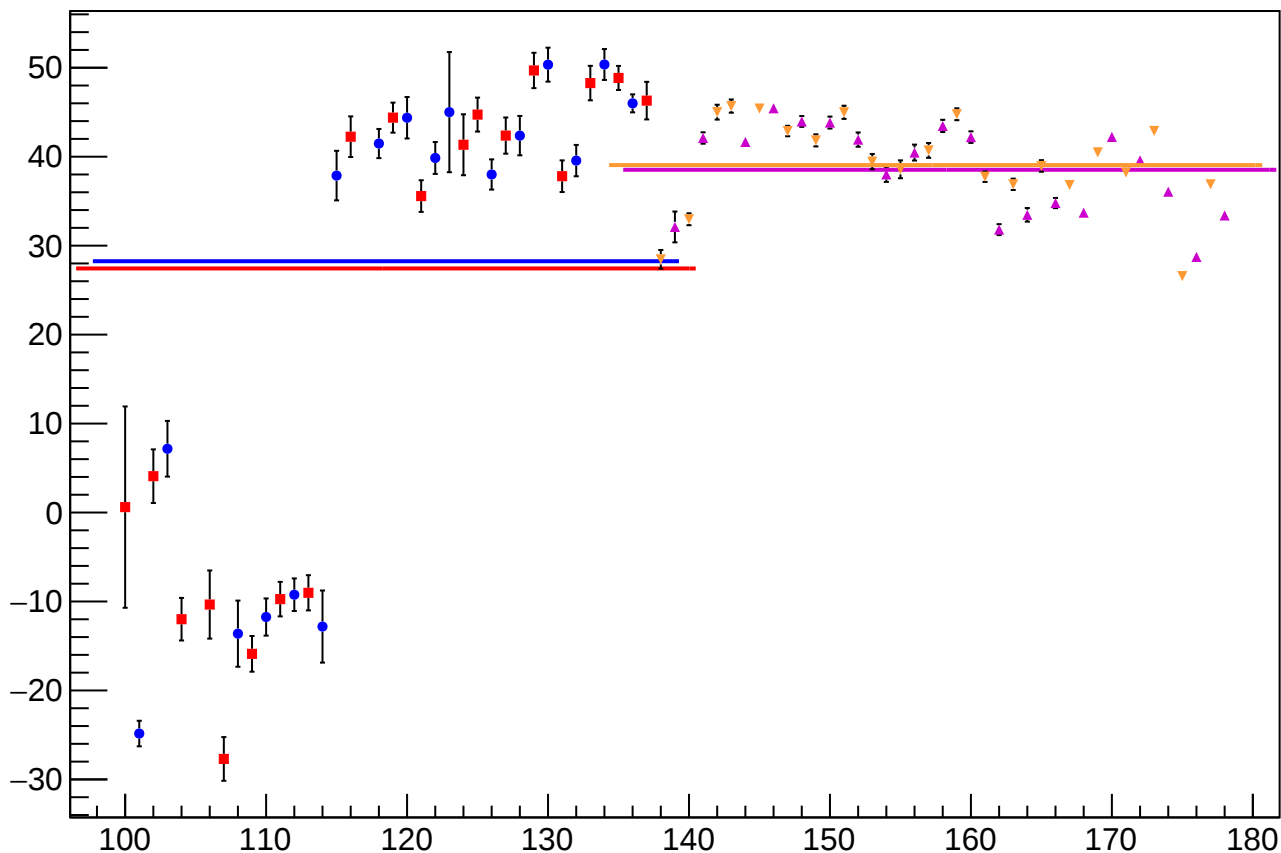
Left In: -50.556 ± 0.155 χ^2/NDF : 11679.8/19

+ sign -53.423 ± 0.155 χ^2/NDF : 10881.1/37

All: -52.253 ± 0.109 χ^2/NDF : 23447.3/76

- sign -51.128 ± 0.152 χ^2/NDF : 12454.7/38

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 39.057 $\pm$ 0.135 χ^2 /NDF: 1463.4/20

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

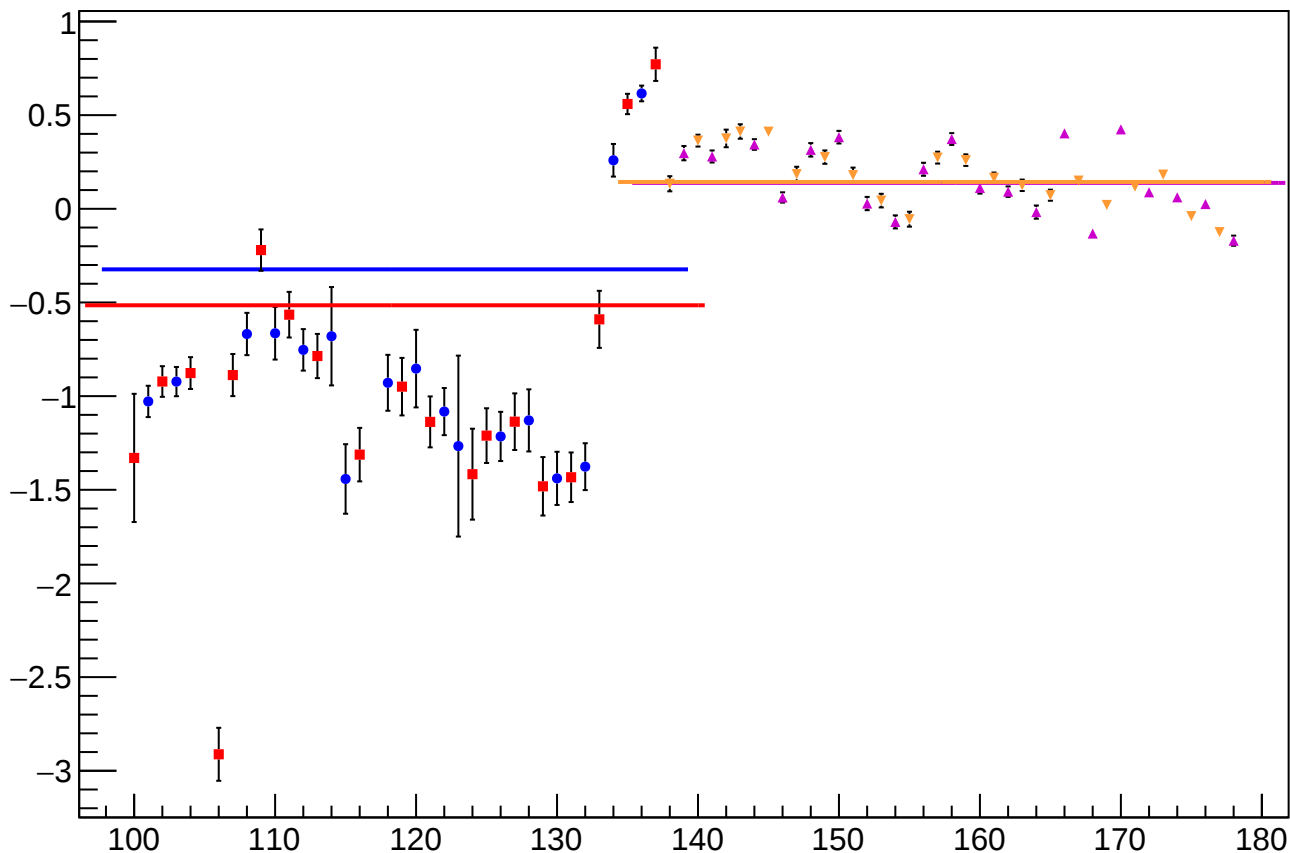
Left In: 38.527 $\pm$ 0.135 χ^2 /NDF: 1386.8/19

+ sign 38.197 $\pm$ 0.130 χ^2 /NDF: 5290.8/37

All: 37.955 $\pm$ 0.092 χ^2 /NDF: 10214.3/76

- sign 37.713 $\pm$ 0.130 χ^2 /NDF: 4916.6/38

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.143 ± 0.006 χ^2/NDF : 576.9/20

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

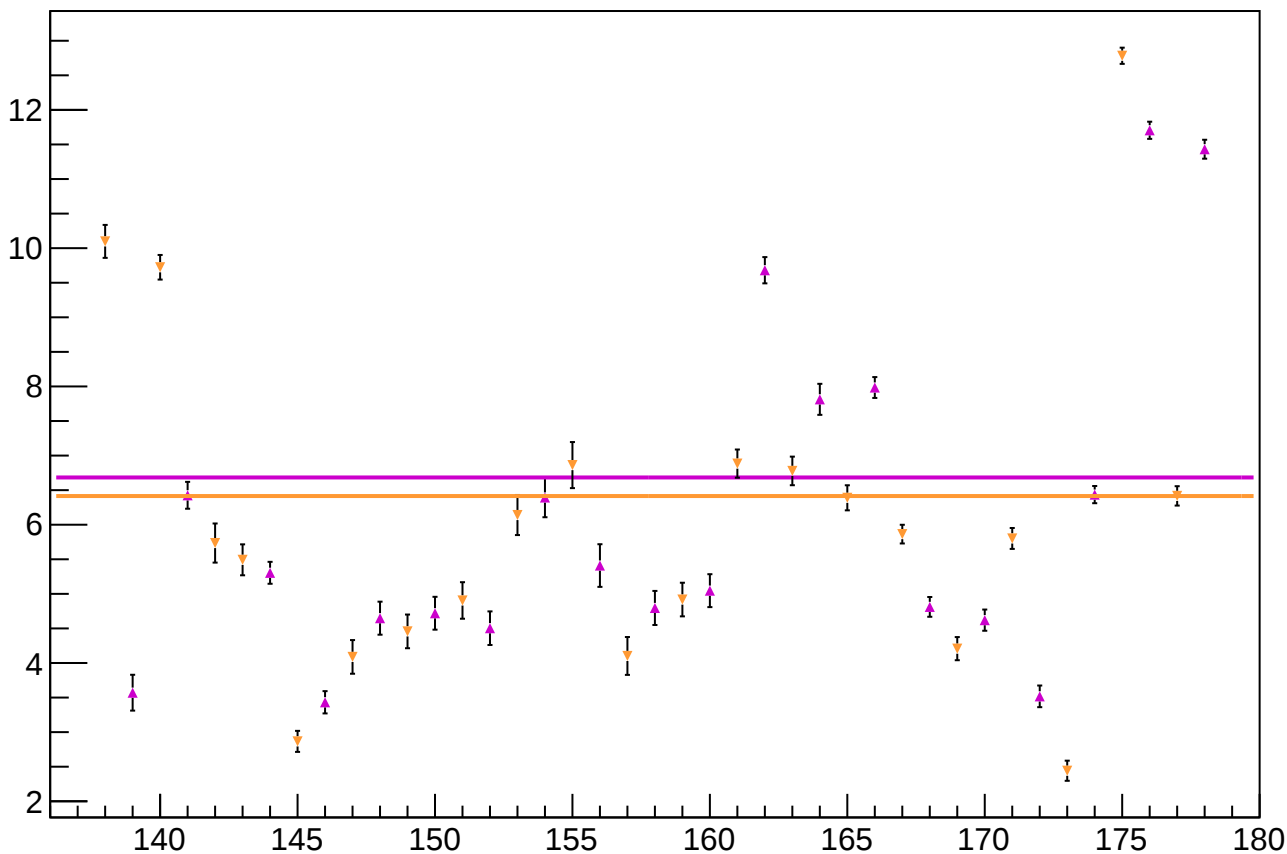
Left In: 0.138 ± 0.006 χ^2/NDF : 903.8/19

+ sign 0.116 ± 0.006 χ^2/NDF : 1916.7/37

All: 0.109 ± 0.004 χ^2/NDF : 4592.1/76

- sign 0.103 ± 0.006 χ^2/NDF : 2673.1/38

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



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

Left Out: 6.415 $\pm$ 0.041 χ^2/NDF :5366.8/20

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

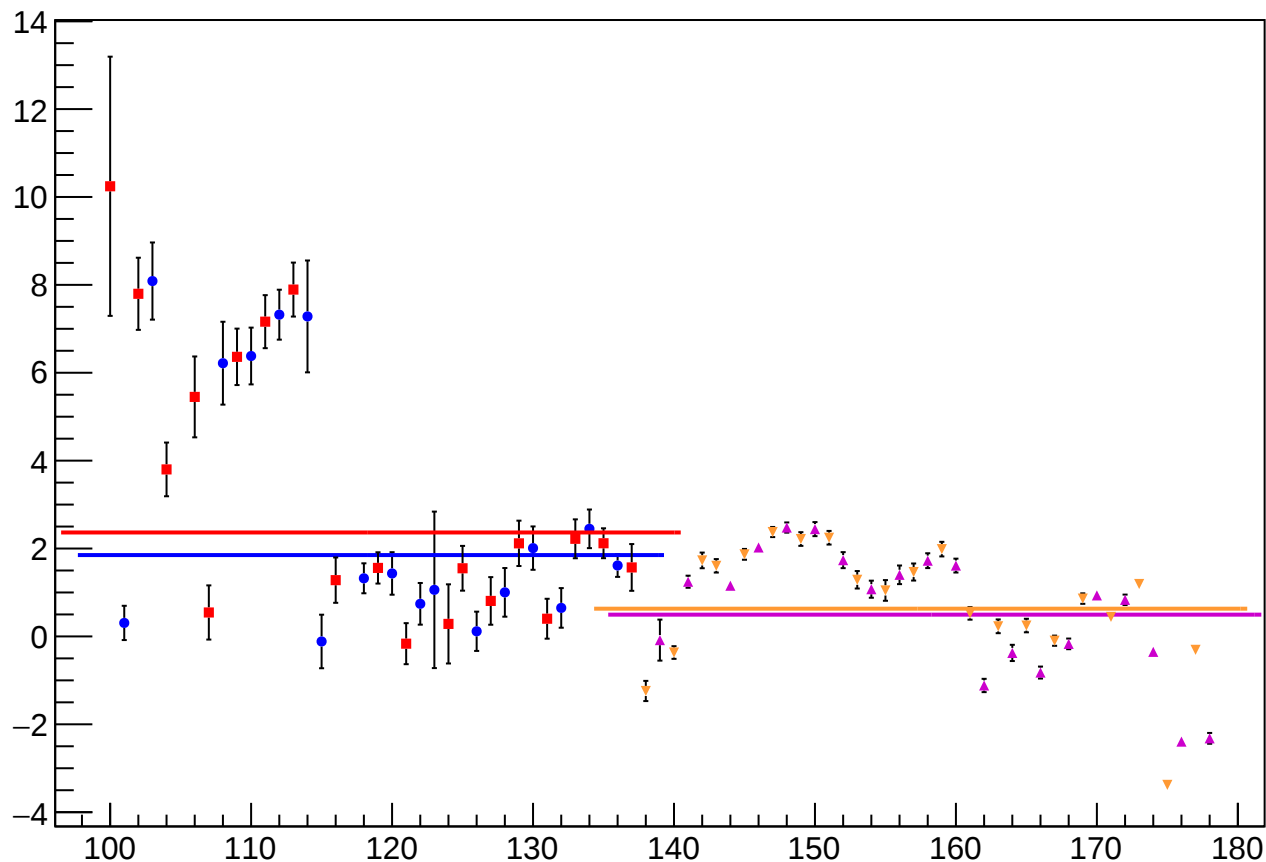
Left In: 6.683 $\pm$ 0.040 χ^2/NDF :4927.9/19

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

All: 6.552 $\pm$ 0.028 χ^2/NDF : 10317.1/40

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

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 0.631 ± 0.031 χ^2/NDF : 2259.7/20

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

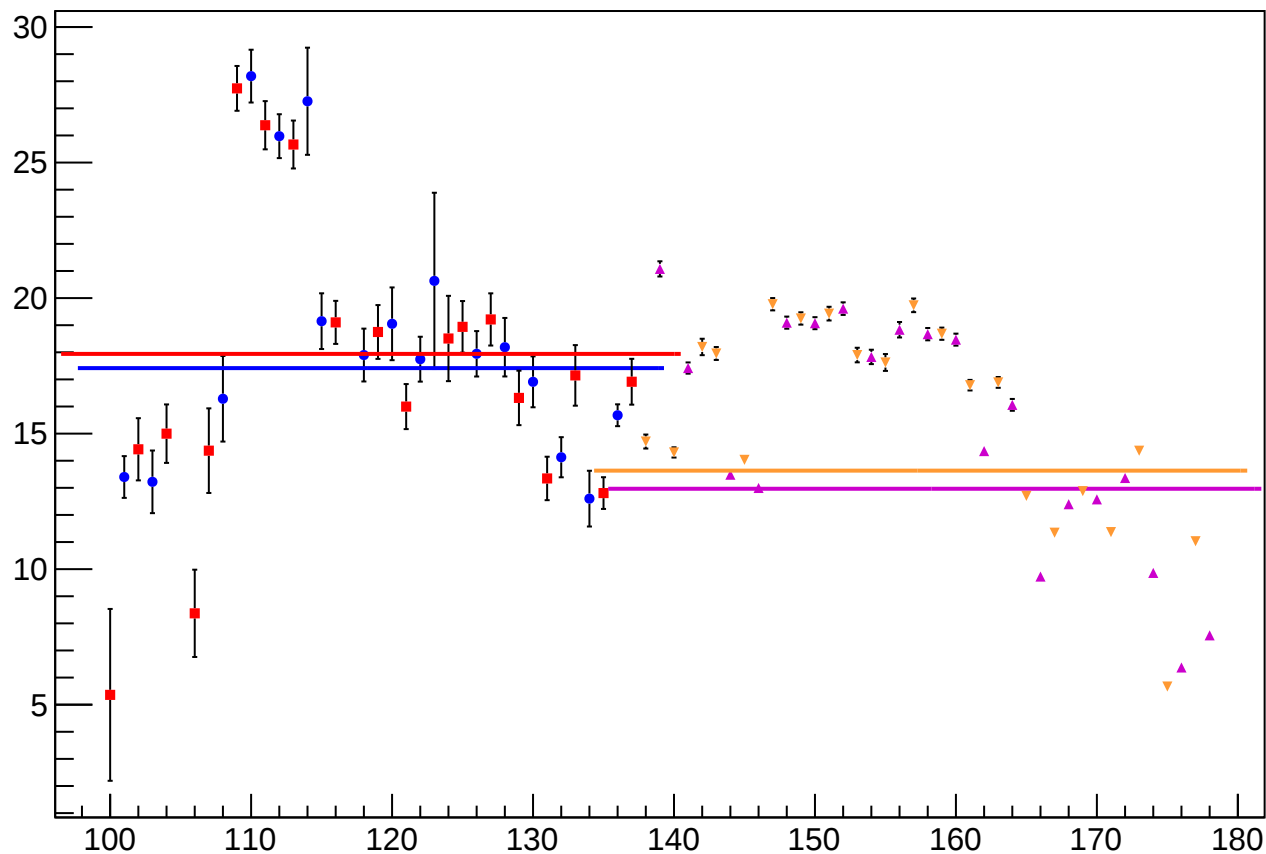
Left In: 0.495 ± 0.030 χ^2/NDF : 2429.4/19

+ sign 0.710 ± 0.030 χ^2/NDF : 2655.3/37

All: 0.657 ± 0.021 χ^2/NDF : 5646.4/76

- sign 0.604 ± 0.030 χ^2/NDF : 2984.8/38

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 13.635 $\pm$ 0.041 χ^2 /NDF:9999.8/20

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

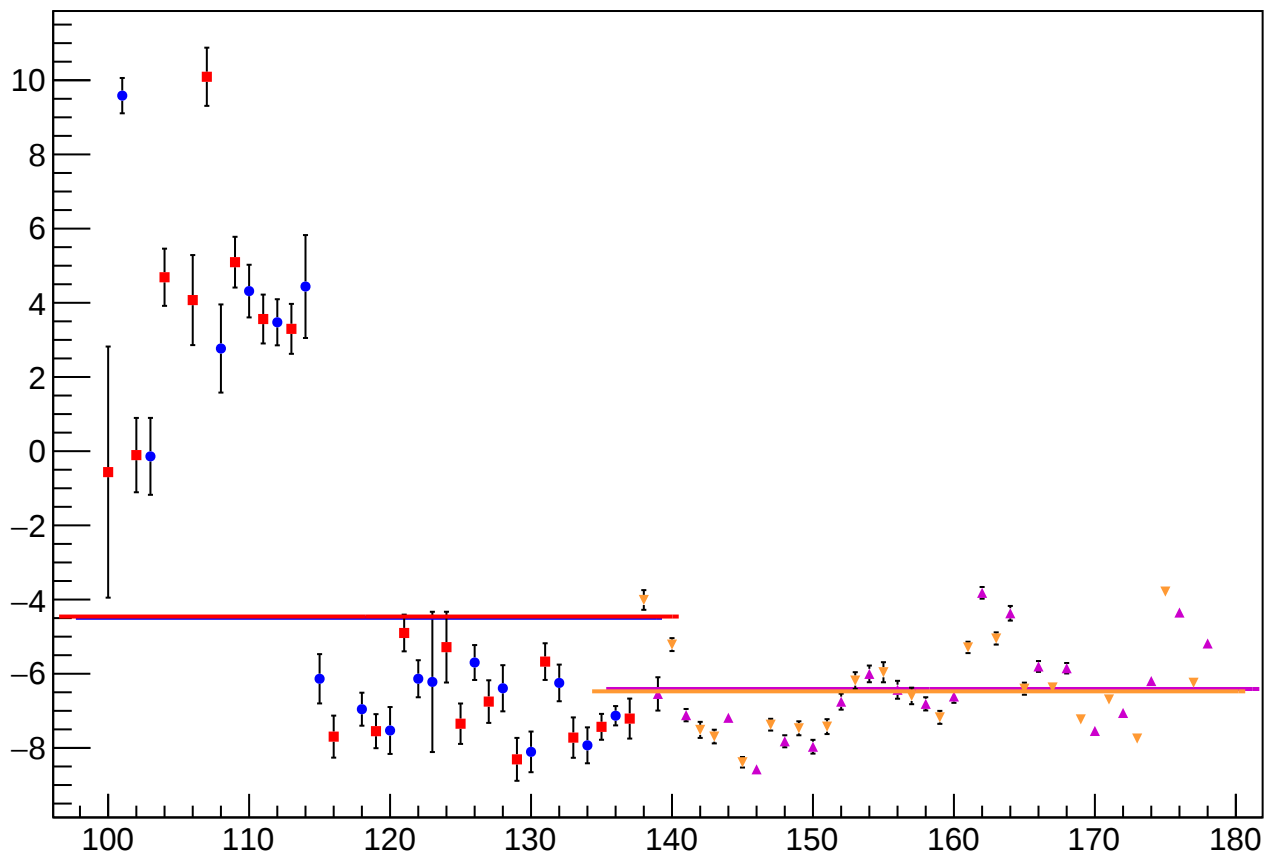
Left In: 12.966 $\pm$ 0.040 χ^2 /NDF:11356.6/19

+ sign 13.768 $\pm$ 0.040 χ^2 /NDF: 10672.0/37

All: 13.439 $\pm$ 0.028 χ^2 /NDF: 23166.4/76

- sign 13.124 $\pm$ 0.039 χ^2 /NDF: 12361.3/38

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: -6.474 ± 0.035 χ^2/NDF : 1296.2/20

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

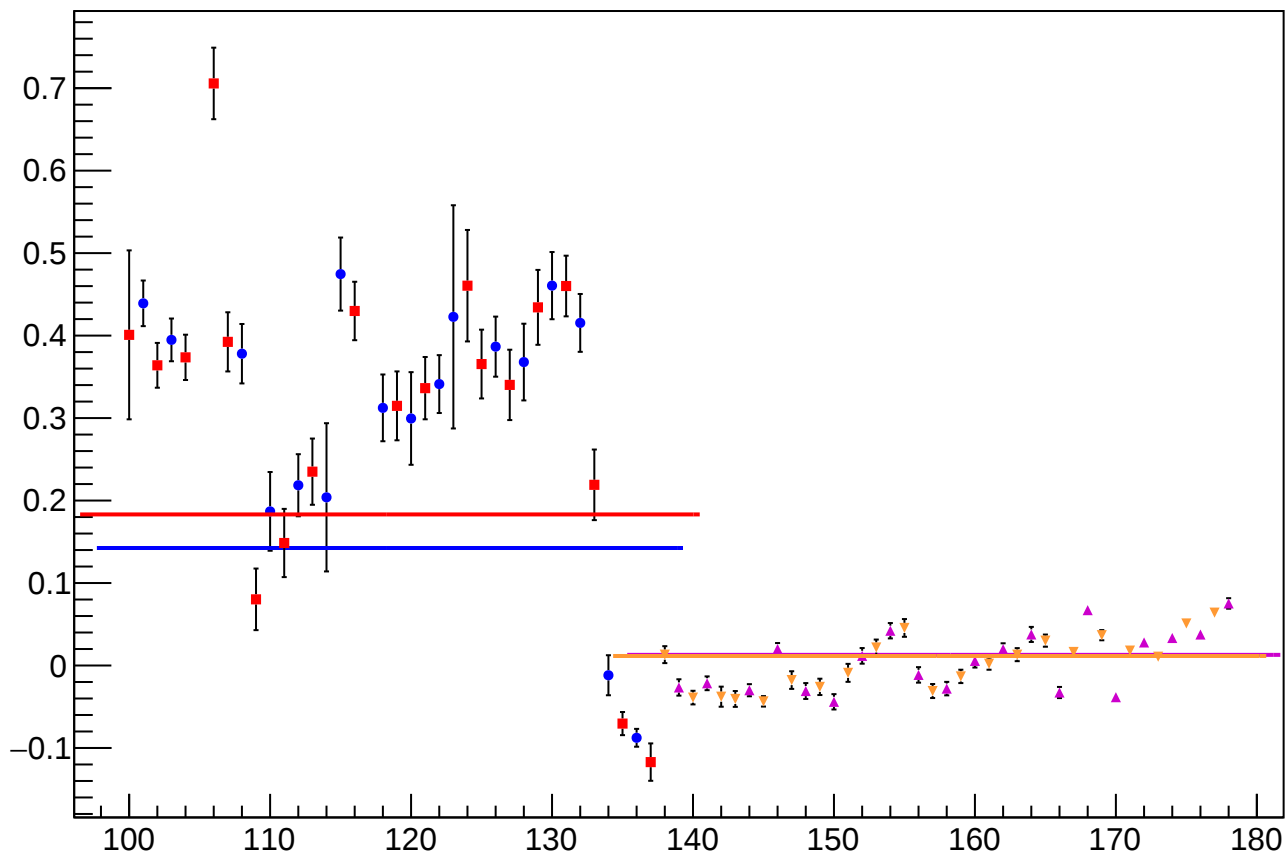
Left In: -6.411 ± 0.035 χ^2/NDF : 1405.6/19

+ sign -6.343 ± 0.034 χ^2/NDF : 3097.3/37

All: -6.318 ± 0.024 χ^2/NDF : 6034.0/76

- sign -6.294 ± 0.033 χ^2/NDF : 2935.6/38

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1058.8/16

Left Out: 0.012 $\pm$ 0.002 χ^2 /NDF: 405.1/20

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 1000.9/18

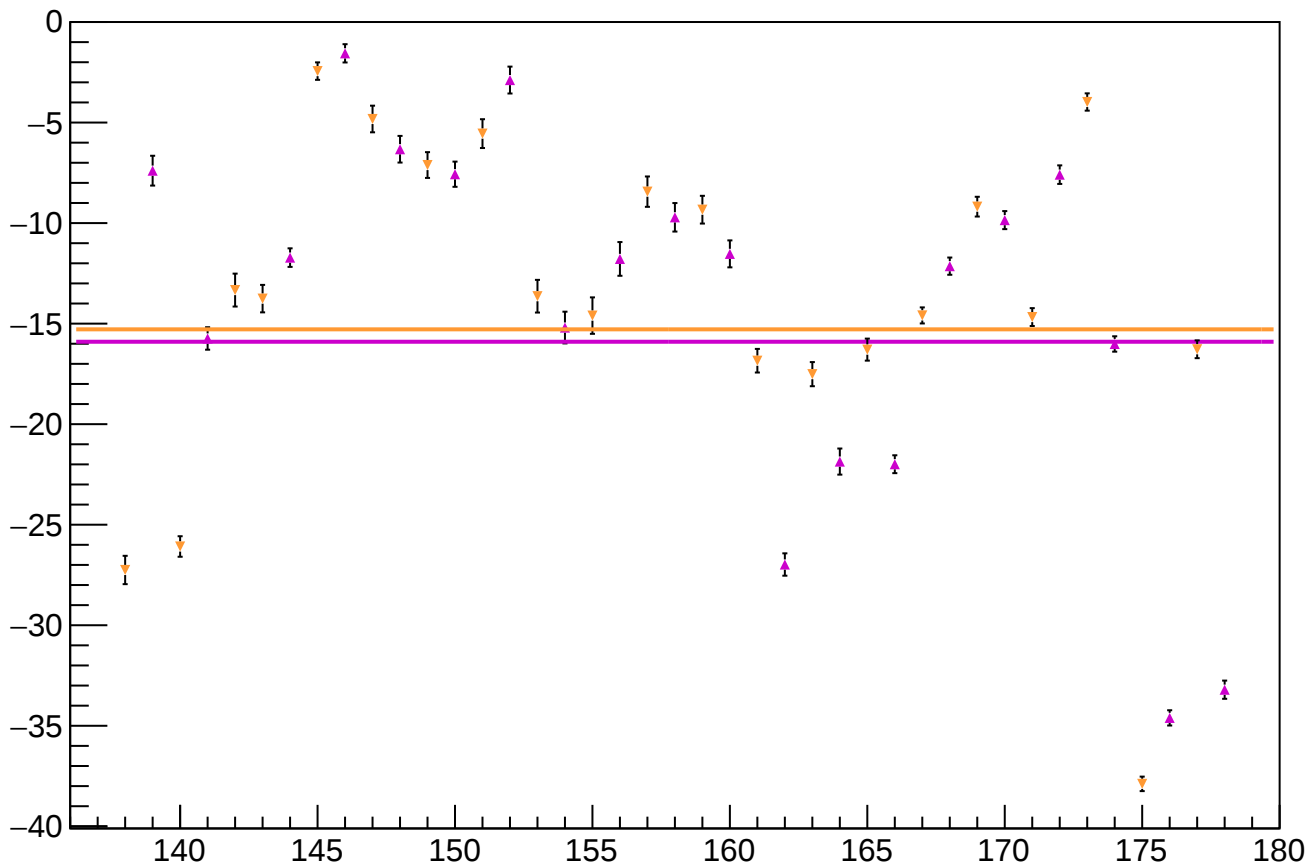
Left In: 0.013 $\pm$ 0.002 χ^2 /NDF: 546.2/19

+ sign 0.018 $\pm$ 0.002 χ^2 /NDF: 1790.2/37

All: 0.019 $\pm$ 0.001 χ^2 /NDF: 3843.7/76

- sign 0.020 $\pm$ 0.002 χ^2 /NDF: 2052.4/38

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -15.284 ± 0.119 χ^2/NDF : 7191.1/20

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

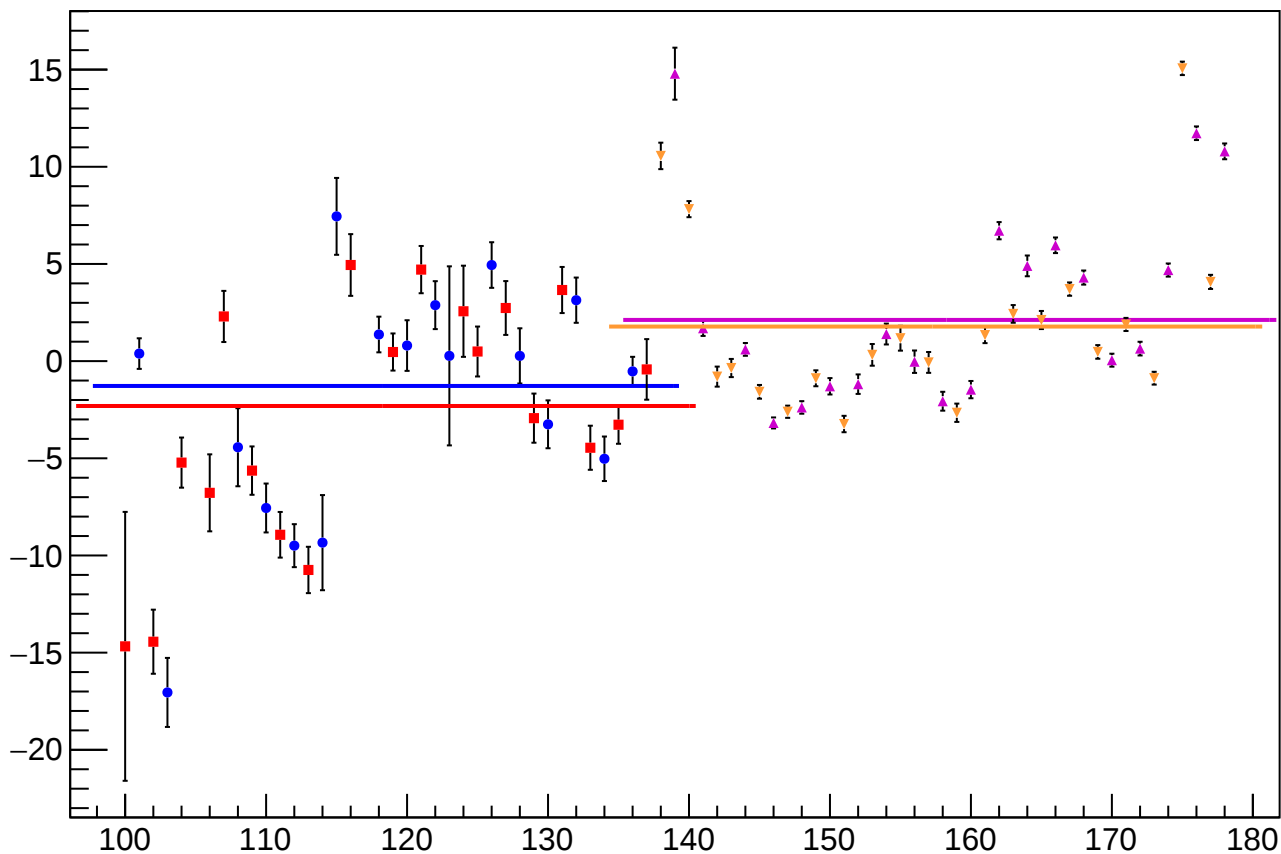
Left In: -15.901 ± 0.117 χ^2/NDF : 7260.5/19

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -15.598 ± 0.083 χ^2/NDF : 14465.3/40

- 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: 1.779 ± 0.089 χ^2/NDF : 2632.1/20

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

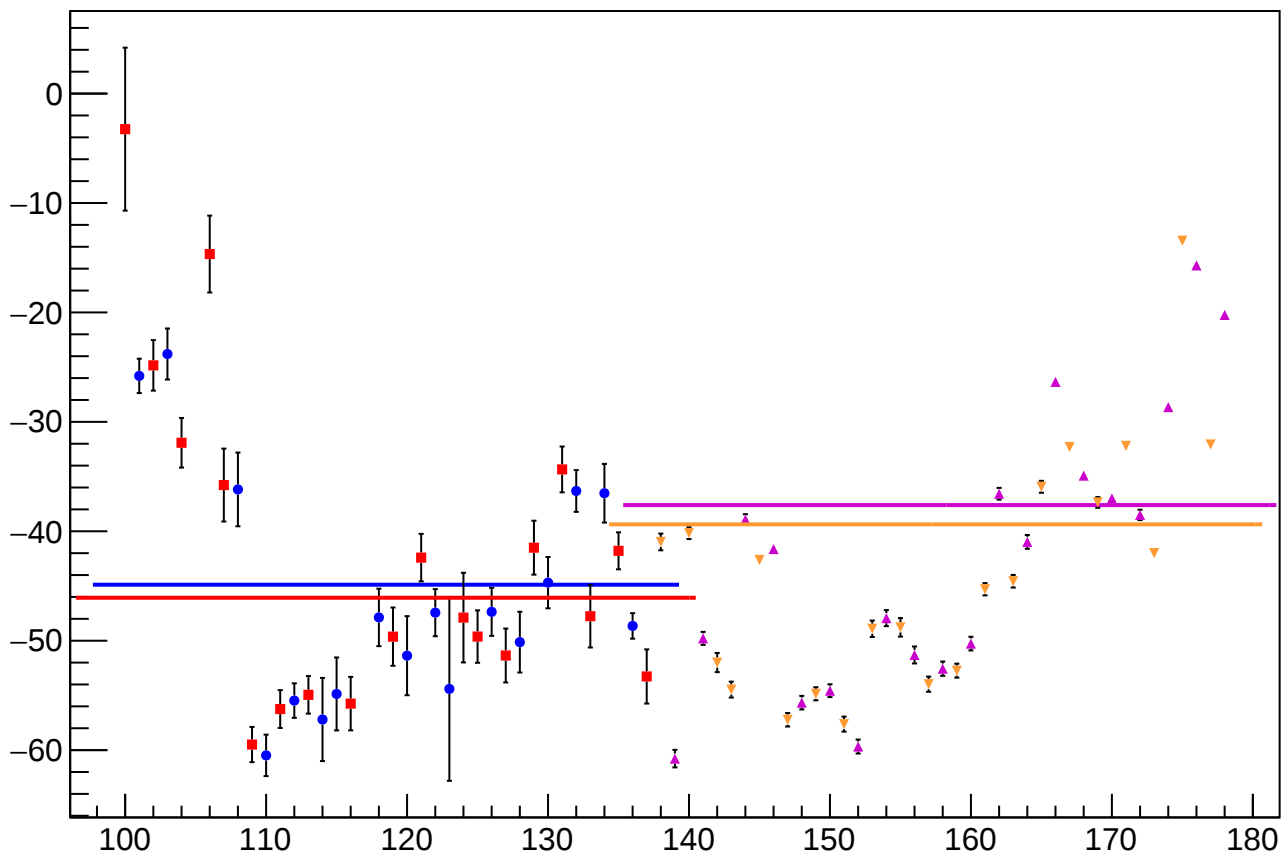
Left In: 2.120 ± 0.089 χ^2/NDF : 2505.3/19

+ sign 1.518 ± 0.085 χ^2/NDF : 3008.5/37

All: 1.642 ± 0.060 χ^2/NDF : 6000.8/76

- sign 1.766 ± 0.085 χ^2/NDF : 2988.0/38

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -39.67 ± 0.119 χ^2/NDF : 10333.7/20

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

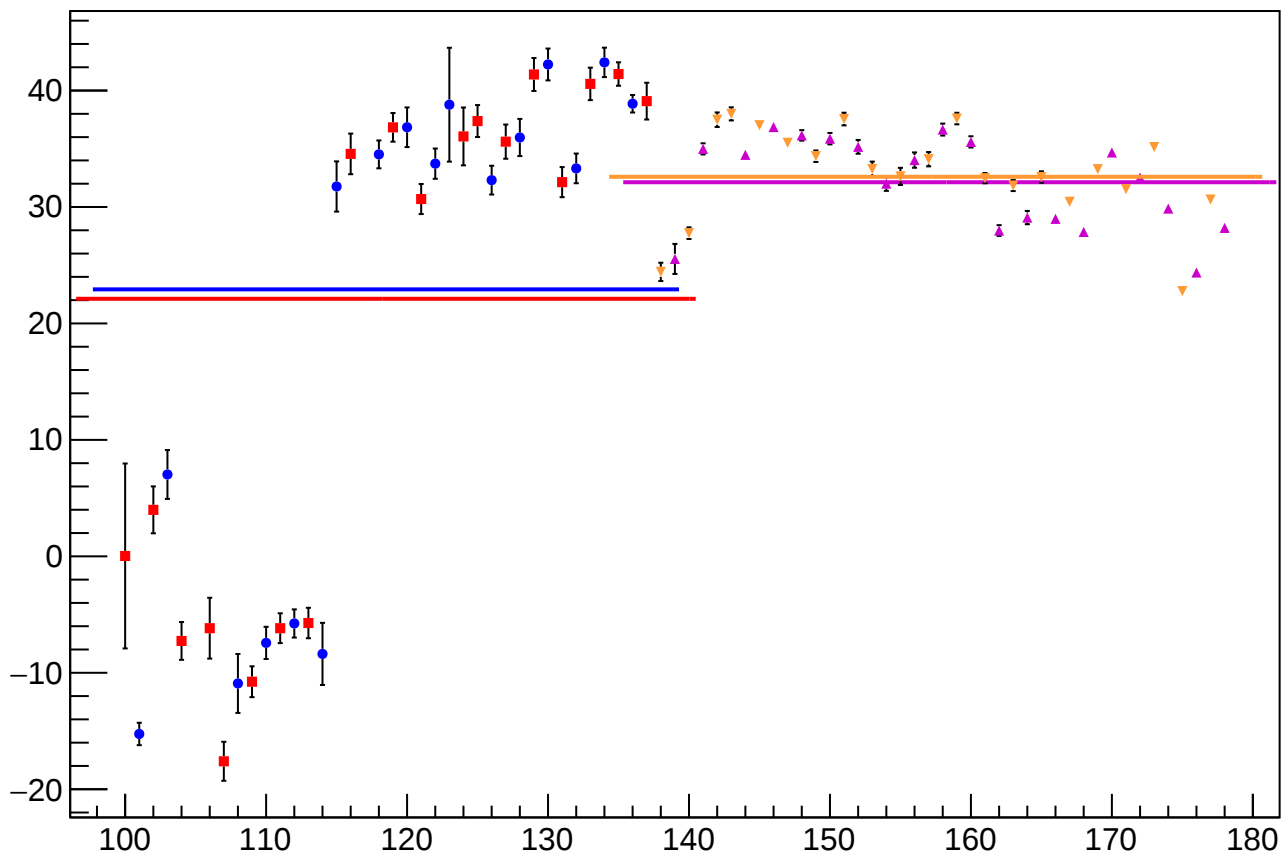
Left In: -37.606 ± 0.117 χ^2/NDF : 11712.8/19

+ sign -39.637 ± 0.116 χ^2/NDF : 10859.9/37

All: -38.803 ± 0.081 χ^2/NDF : 23373.2/76

- sign -37.999 ± 0.114 χ^2/NDF : 12411.9/38

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: 32.594 $\pm$ 0.101 χ^2 /NDF:1574.9/20

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

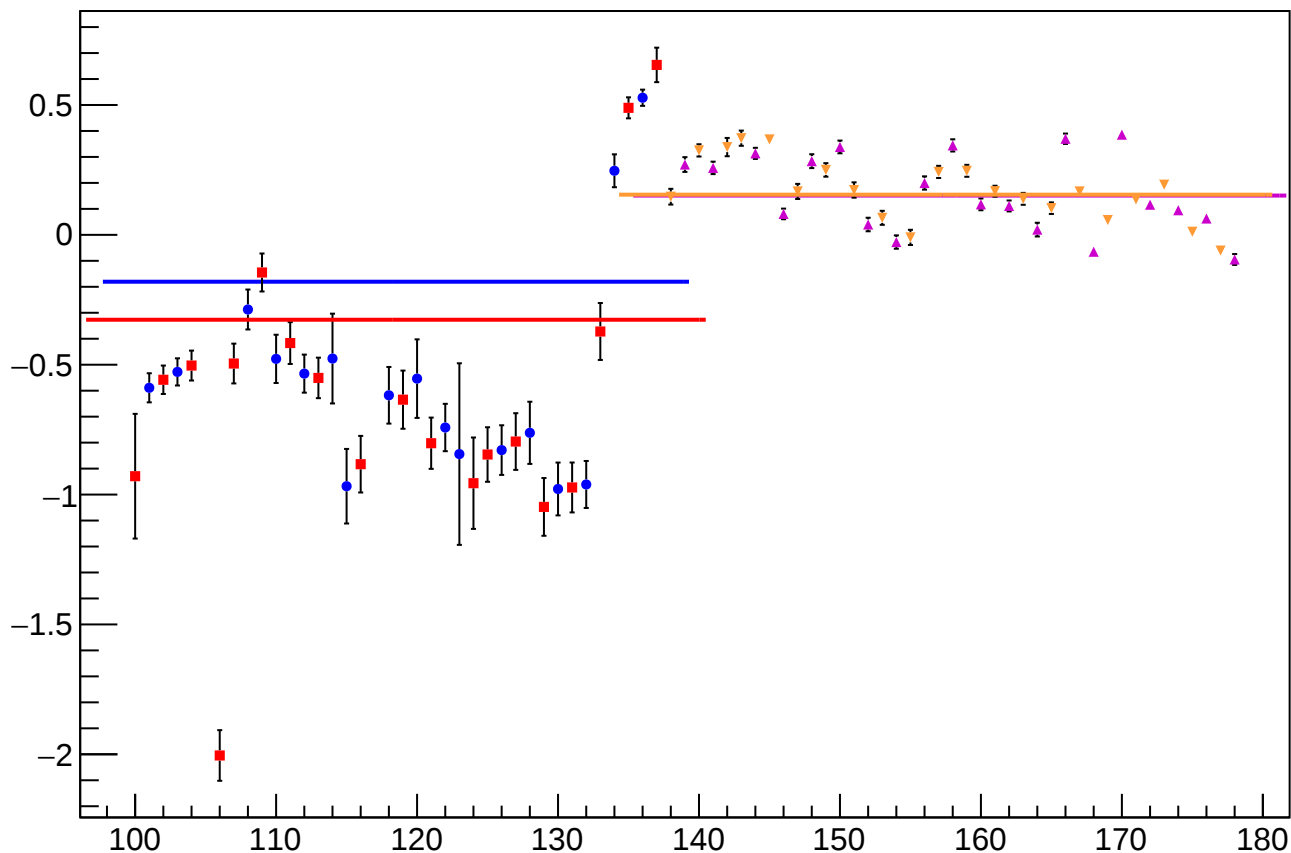
Left In: 32.127 $\pm$ 0.101 χ^2 /NDF:1441.8/19

+ sign 31.752 $\pm$ 0.097 χ^2 /NDF: 6697.9/37

All: 31.533 $\pm$ 0.069 χ^2 /NDF: 12979.9/76

- sign 31.314 $\pm$ 0.097 χ^2 /NDF: 6271.8/38

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 $\pm$ 0.018 χ^2 /NDF: 995.7/16

Left Out: 0.155 $\pm$ 0.005 χ^2 /NDF:638.5/20

Right Out: -0.327 $\pm$ 0.018 χ^2 /NDF: 1175.6/18

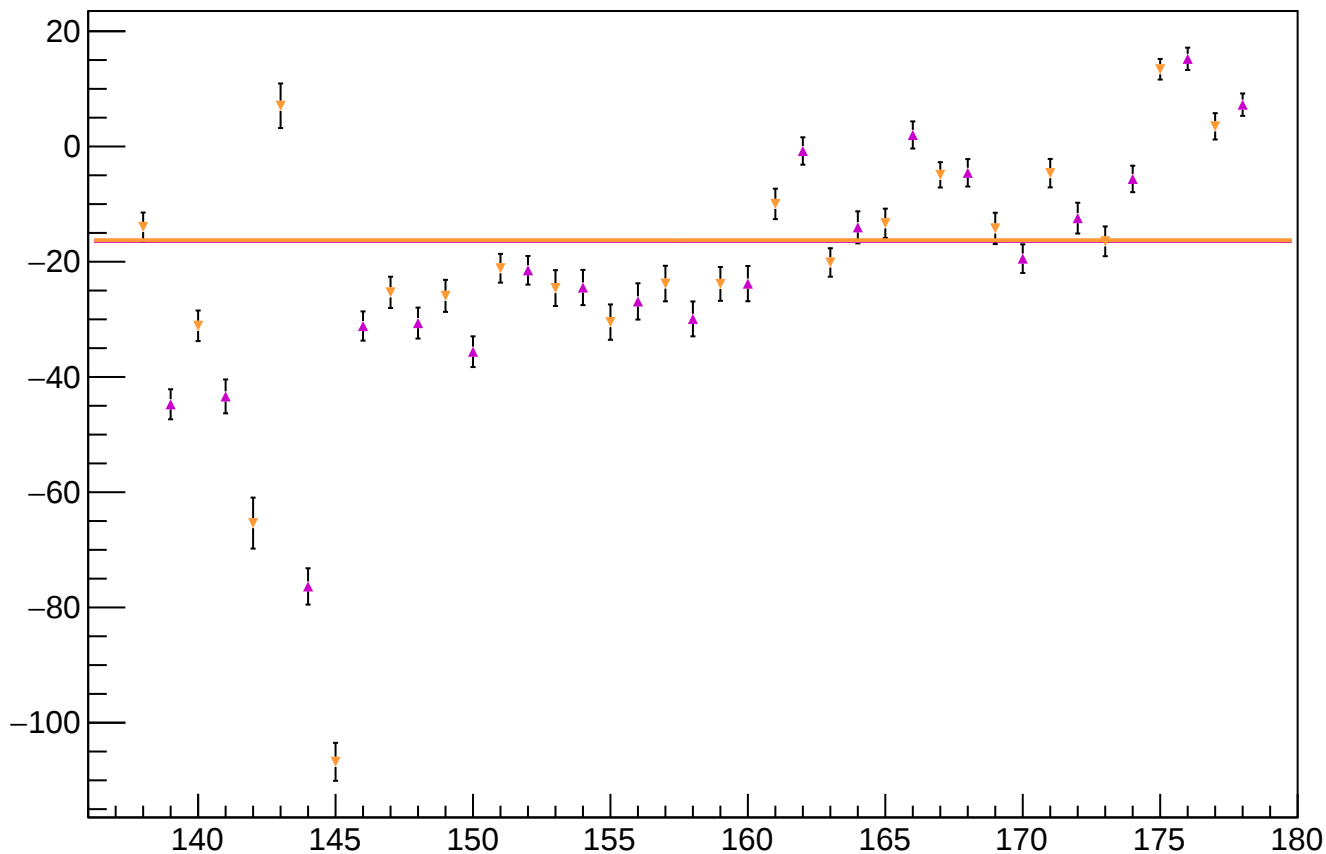
Left In: 0.151 $\pm$ 0.005 χ^2 /NDF:1044.2/19

+ sign 0.133 $\pm$ 0.005 χ^2 /NDF: 1967.0/37

All: 0.128 $\pm$ 0.003 χ^2 /NDF: 4837.7/76

- sign 0.122 $\pm$ 0.004 χ^2 /NDF: 2867.8/38

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -16.272+/-0.578 χ^2/NDF : 1422.8/20

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

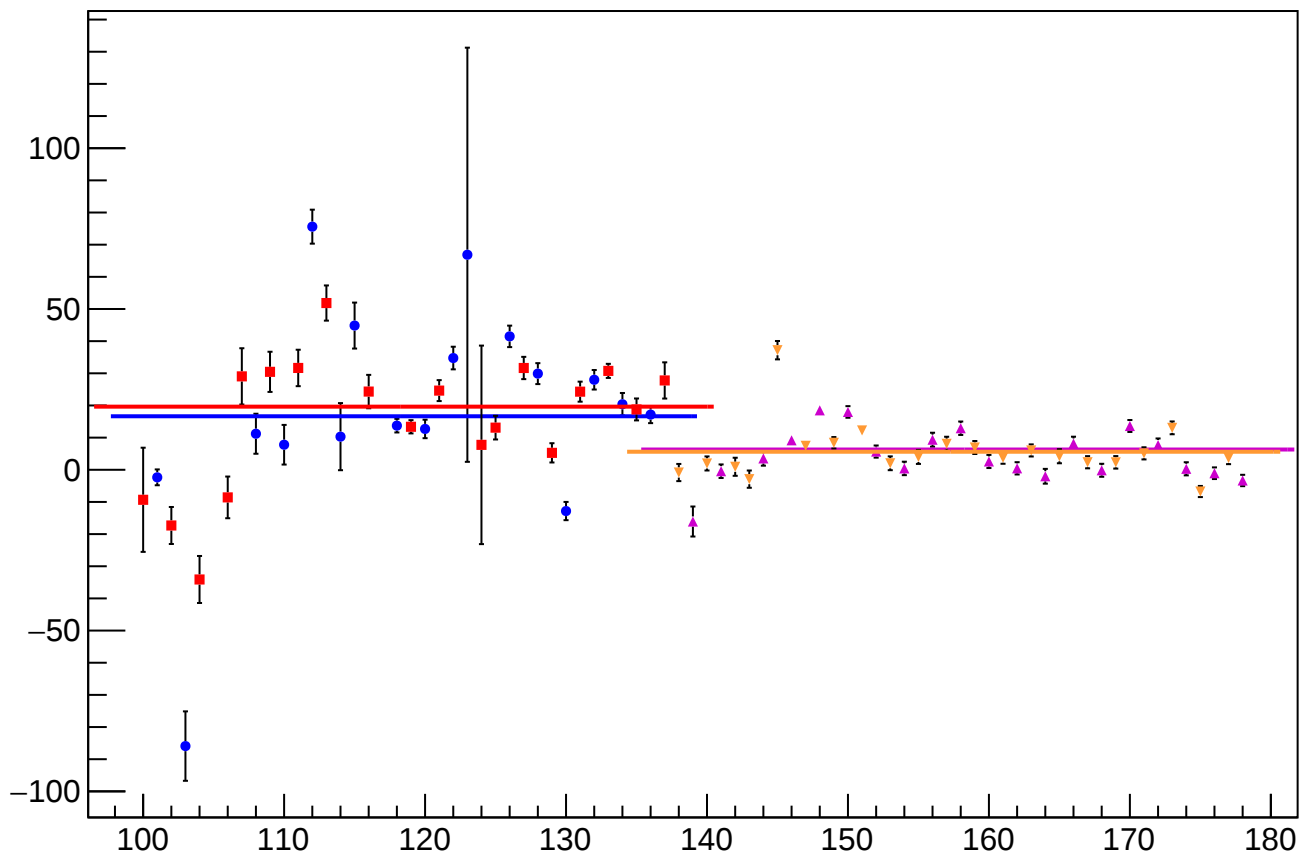
Left In: -16.399+/-0.571 χ^2/NDF : 1296.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -16.336+/-0.406 χ^2/NDF : 2719.1/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 $\pm$ 0.859 χ^2 /NDF: 518.9/16

Left Out: 5.612 $\pm$ 0.427 χ^2 /NDF: 248.3/20

Right Out: 19.632 $\pm$ 0.896 χ^2 /NDF: 241.7/18

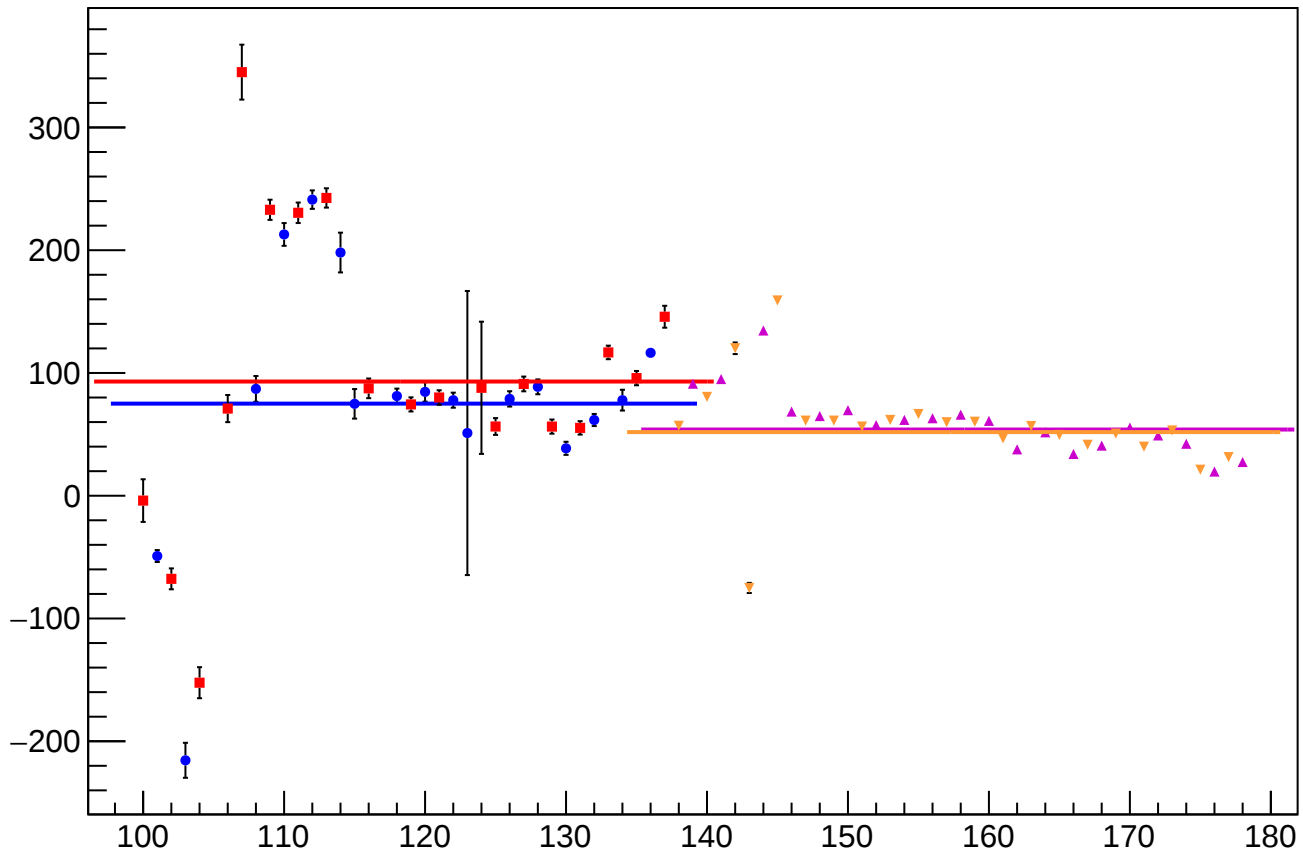
Left In: 6.302 $\pm$ 0.433 χ^2 /NDF: 294.9/19

+ sign 7.797 $\pm$ 0.382 χ^2 /NDF: 899.5/37

All: 8.302 $\pm$ 0.273 χ^2 /NDF: 1618.9/76

- sign 8.828 $\pm$ 0.390 χ^2 /NDF: 715.9/38

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032+/-1.647 χ^2 /NDF: 1999.7/16

Left Out: 51.844+/-0.572 χ^2 /NDF:2756.9/20

Right Out: 93.028+/-1.711 χ^2 /NDF: 2003.6/18

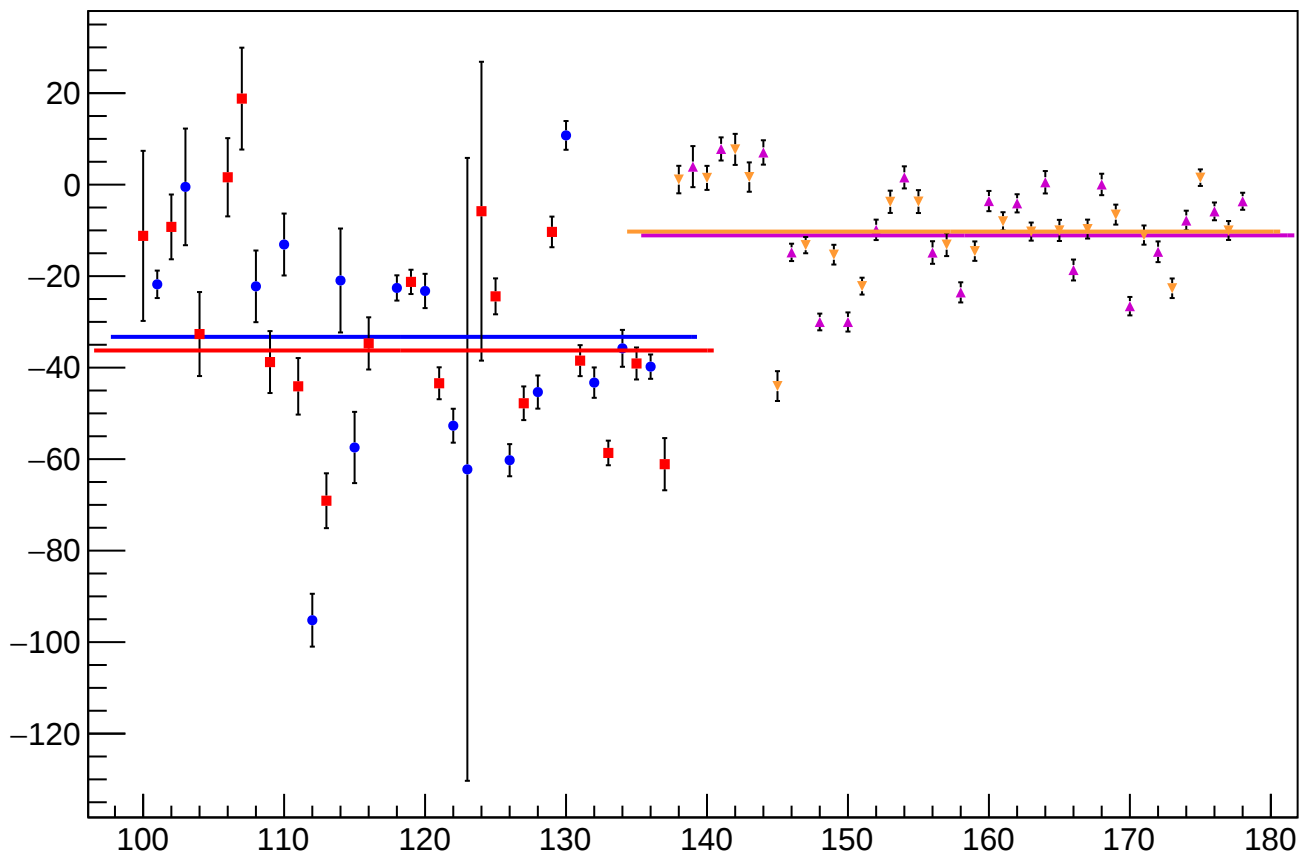
Left In: 53.926+/-0.564 χ^2 /NDF:1741.9/19

+ sign 54.339+/-0.540 χ^2 /NDF: 4933.6/37

All: 56.061+/-0.380 χ^2 /NDF: 9170.2/76

- sign 57.755+/-0.536 χ^2 /NDF: 4216.5/38

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -10.260 ± 0.488 χ^2/NDF : 333.0/20

Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

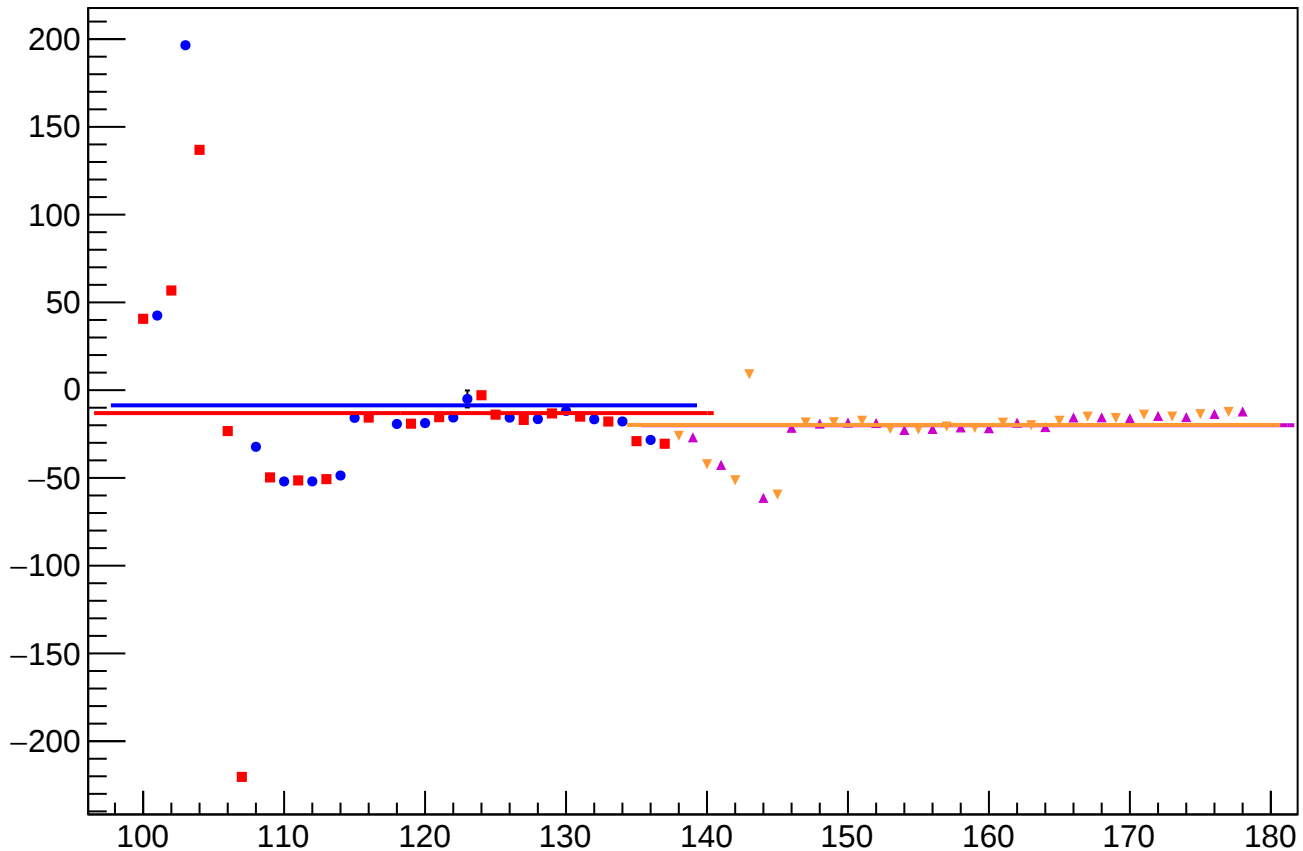
Left In: -11.087 ± 0.494 χ^2/NDF : 535.5/19

+ sign -14.825 ± 0.437 χ^2/NDF : 1262.6/37

All: -15.320 ± 0.312 χ^2/NDF : 2588.5/76

- sign -15.832 ± 0.445 χ^2/NDF : 1323.2/38

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -19.818 ± 0.023 $\chi^2/\text{NDF}: 207265.2/20$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

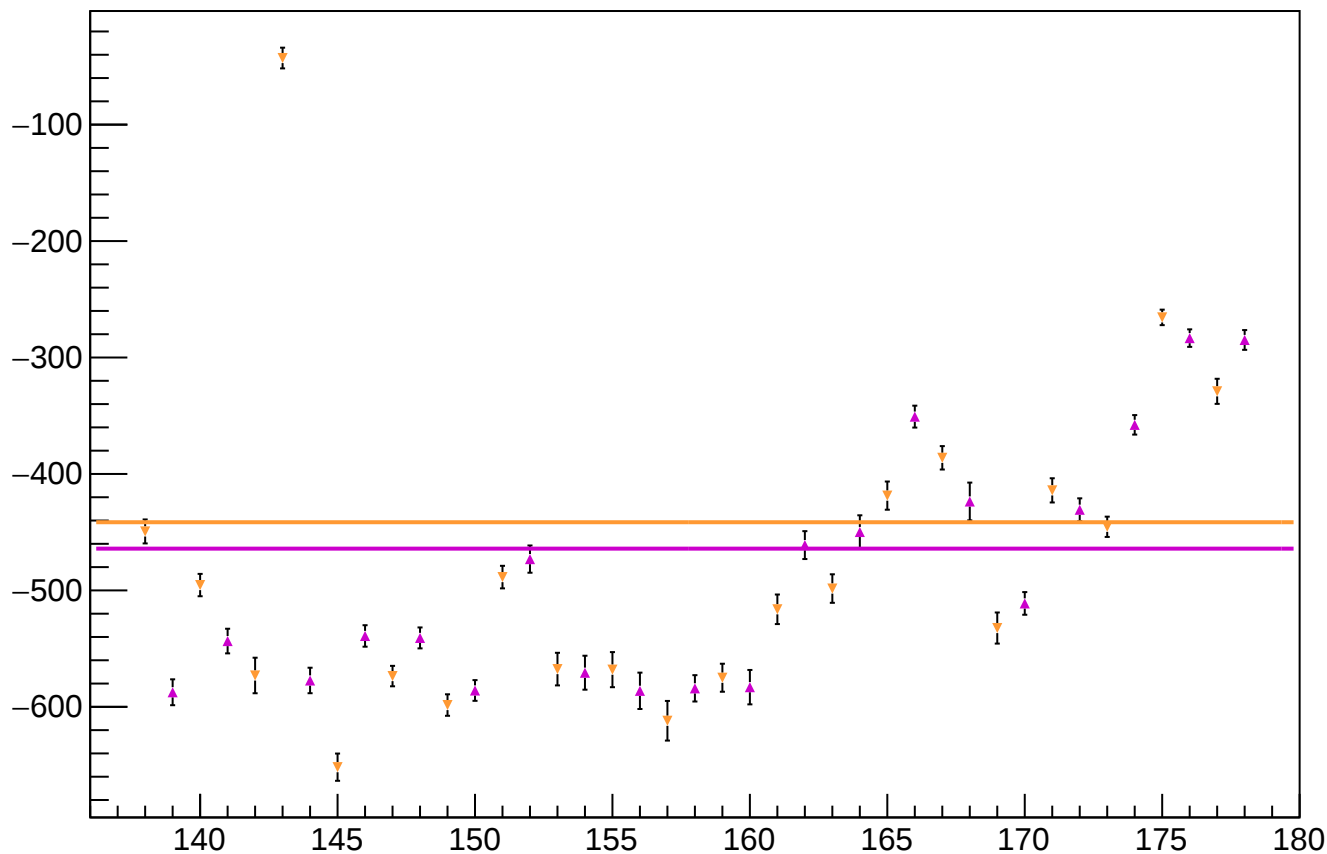
Left In: -19.983 ± 0.022 $\chi^2/\text{NDF}: 143375.6/19$

+ sign -18.397 ± 0.021 $\chi^2/\text{NDF}: 814149.6/37$

All: -18.793 ± 0.015 $\chi^2/\text{NDF}: 1527581.3/76$

- sign -19.185 ± 0.021 $\chi^2/\text{NDF}: 712730.6/38$

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -441.454+/-2.303 χ^2/NDF : 4302.6/20

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

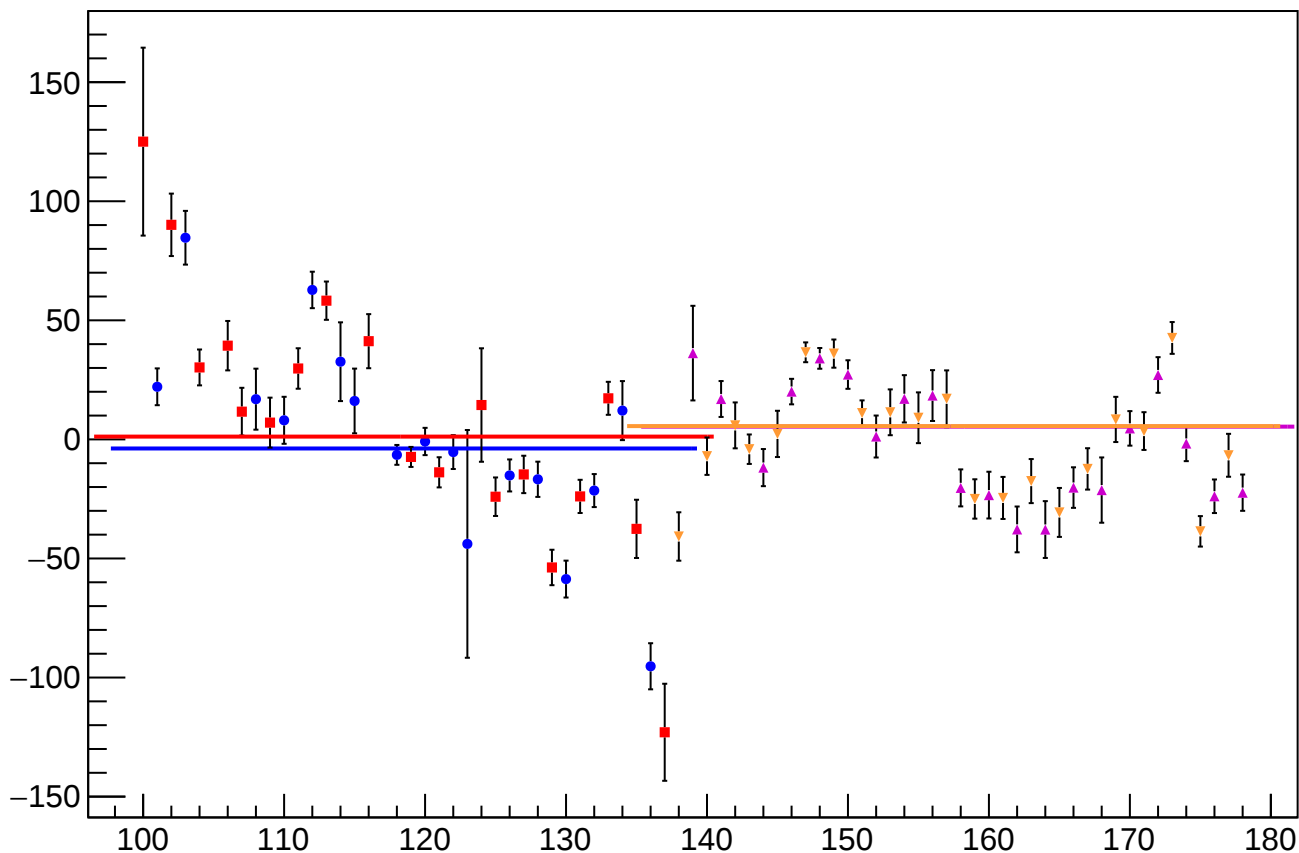
Left In: -464.130+/-2.329 χ^2/NDF : 2277.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -452.665+/-1.637 χ^2/NDF : 6627.5/40

- 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: 5.579 ± 1.645 χ^2/NDF : 239.1/20

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

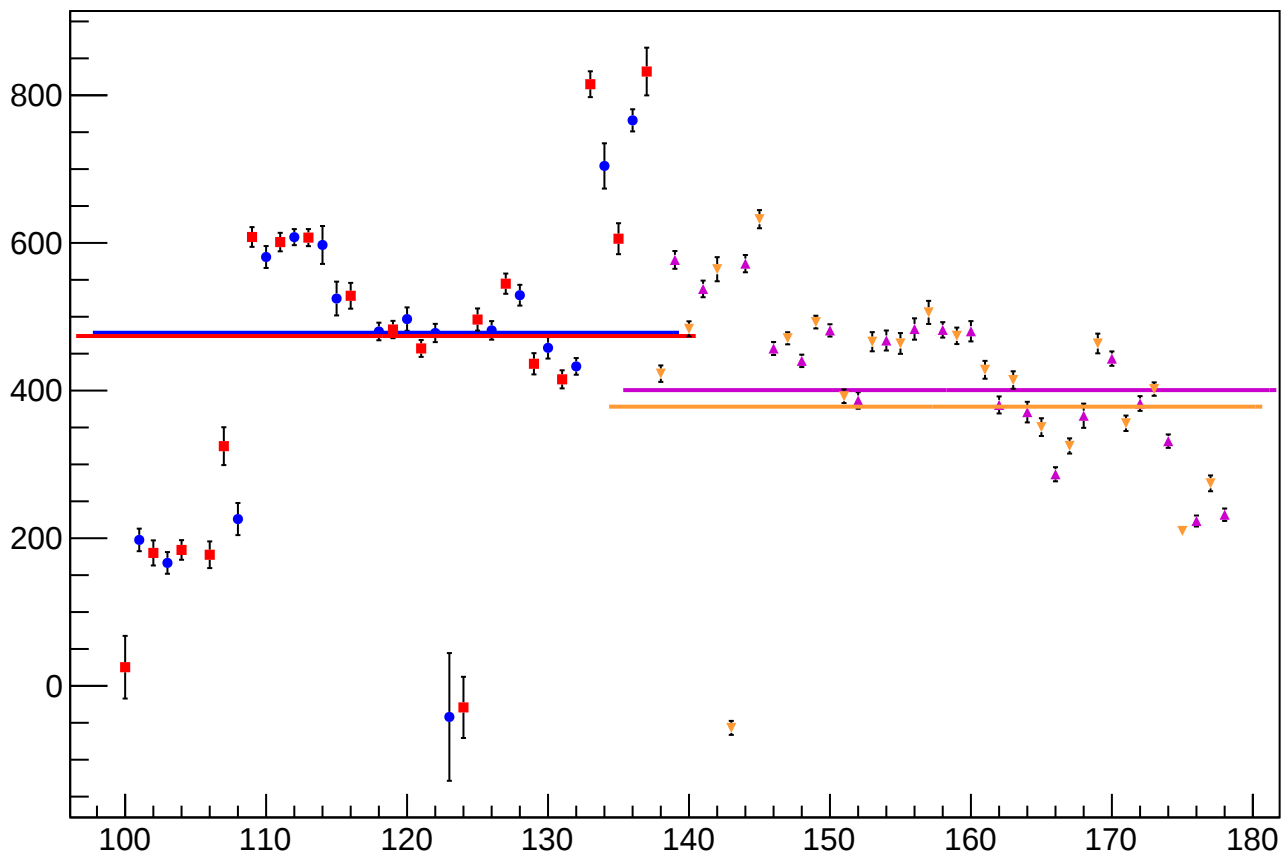
Left In: 5.359 ± 1.714 χ^2/NDF : 182.4/19

+ sign 1.610 ± 1.250 χ^2/NDF : 567.2/37

All: 2.533 ± 0.893 χ^2/NDF : 1057.2/76

- sign 3.497 ± 1.277 χ^2/NDF : 488.9/38

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 378.196 $\pm$ 2.290 χ^2 /NDF: 4152.9/20

Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

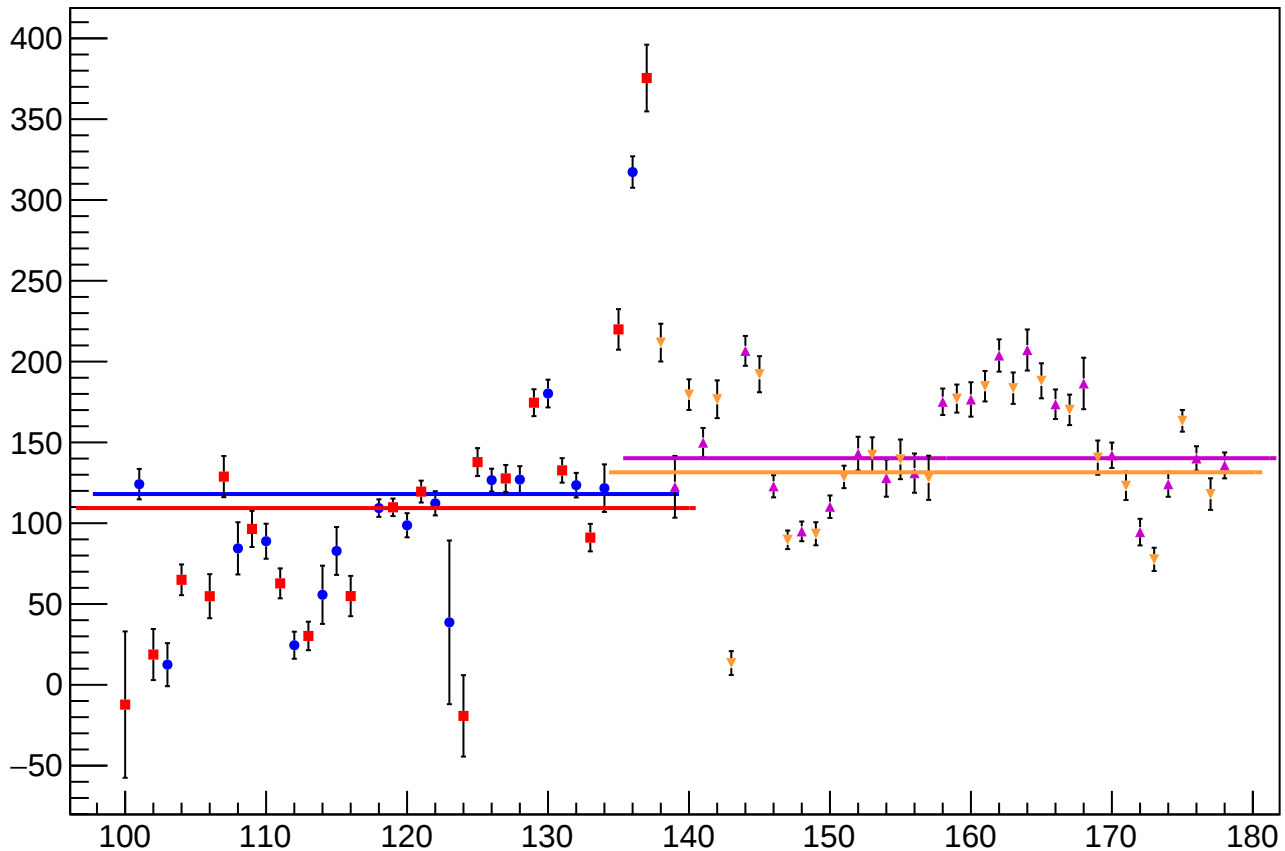
Left In: 400.635 $\pm$ 2.305 χ^2 /NDF: 2090.2/19

+ sign 406.338 $\pm$ 1.941 χ^2 /NDF: 6319.3/37

All: 414.481 $\pm$ 1.369 χ^2 /NDF: 11031.3/76

- sign 422.530 $\pm$ 1.930 χ^2 /NDF: 4677.1/38

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 131.511 ± 1.918 $\chi^2/\text{NDF}: 669.3/20$

Right Out: 109.367 ± 2.205 $\chi^2/\text{NDF}: 569.8/18$

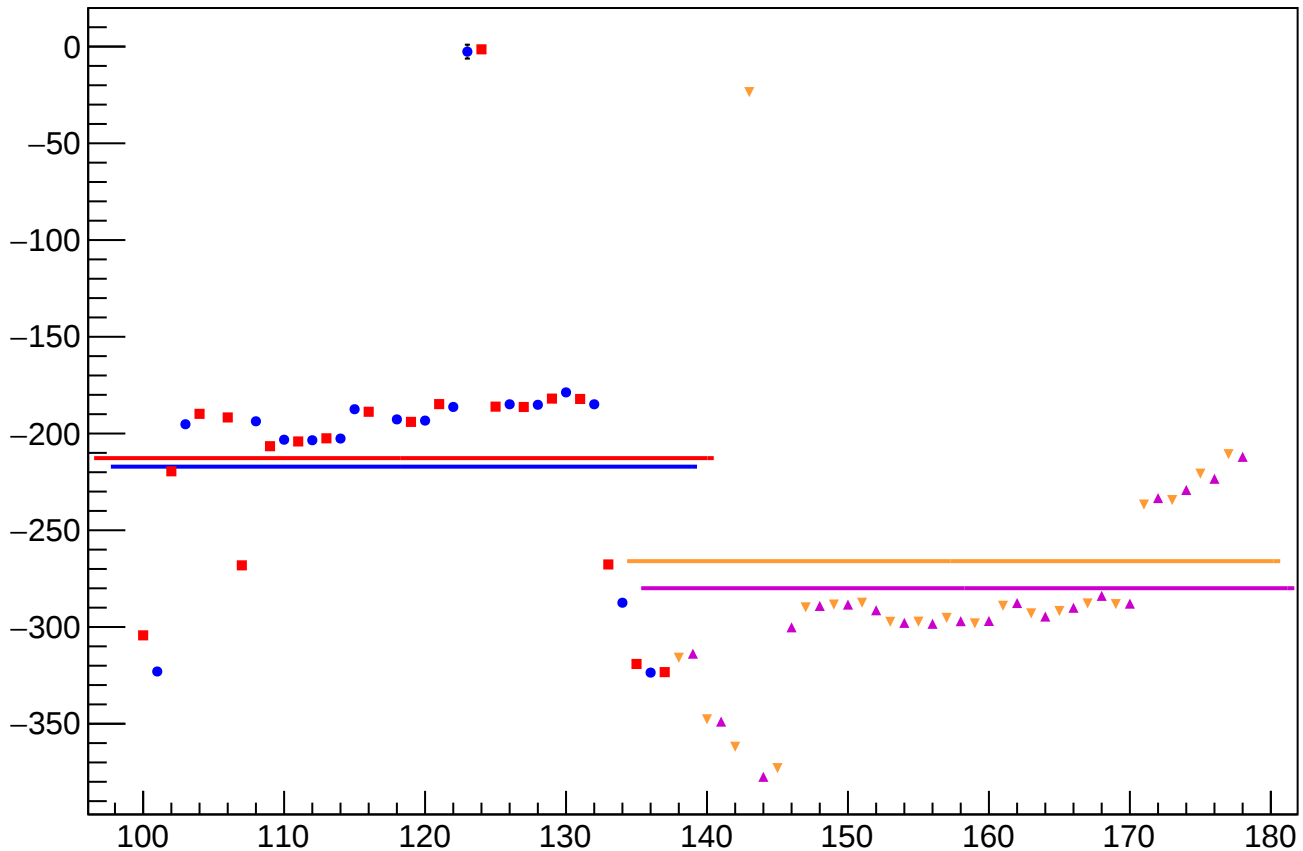
Left In: 140.224 ± 1.980 $\chi^2/\text{NDF}: 290.8/19$

+ sign 125.775 ± 1.453 $\chi^2/\text{NDF}: 1395.6/37$

All: 126.109 ± 1.034 $\chi^2/\text{NDF}: 2364.8/76$

- sign 126.452 ± 1.473 $\chi^2/\text{NDF}: 969.0/38$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -265.962 ± 0.092 $\chi^2/\text{NDF}: 616976.1/20$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

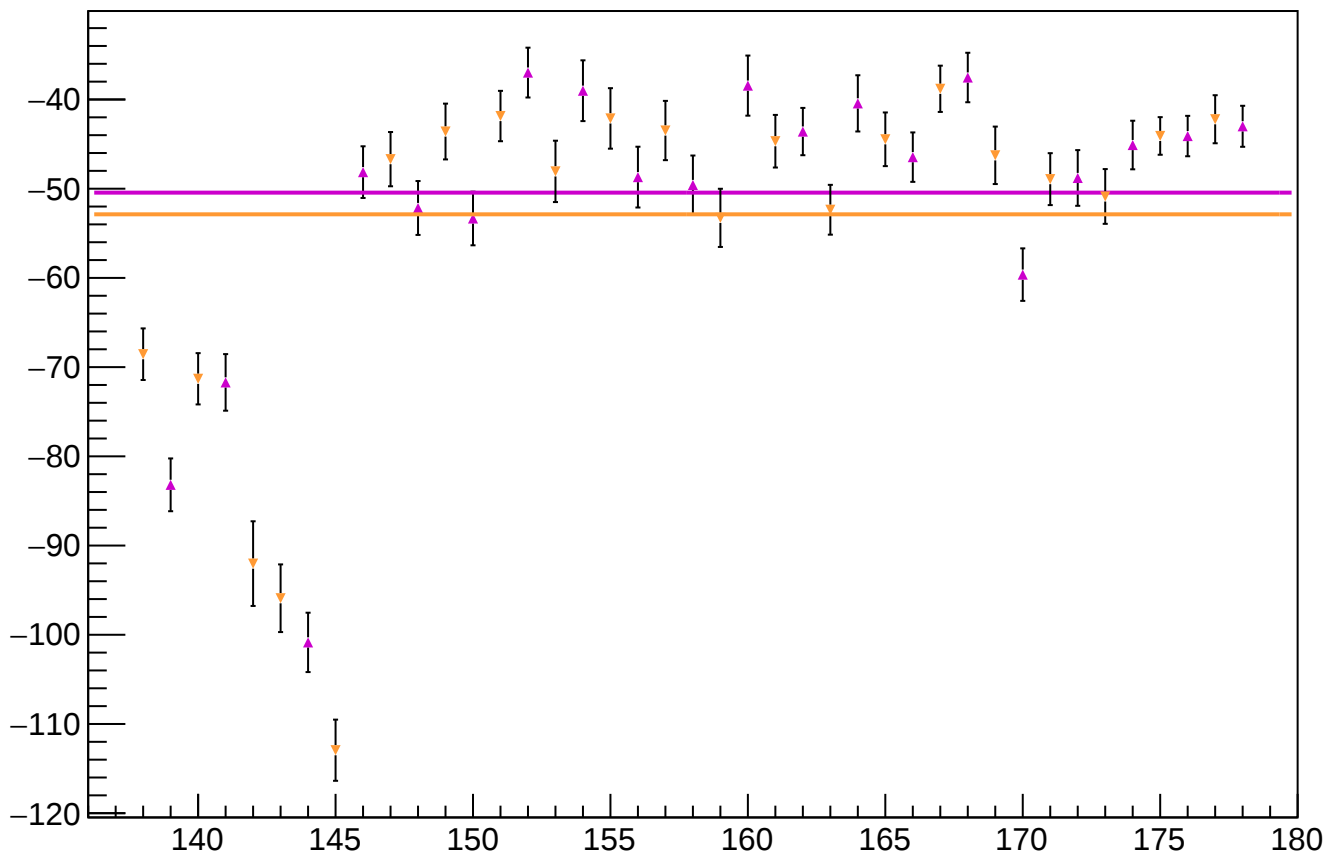
Left In: -279.945 ± 0.093 $\chi^2/\text{NDF}: 176180.1/19$

+ sign -250.647 ± 0.076 $\chi^2/\text{NDF}: 851326.9/37$

All: -254.045 ± 0.054 $\chi^2/\text{NDF}: 1324055.5/76$

- sign -257.352 ± 0.075 $\chi^2/\text{NDF}: 468834.0/38$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -52.872 +/- 0.657 χ^2/NDF : 707.0/20

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

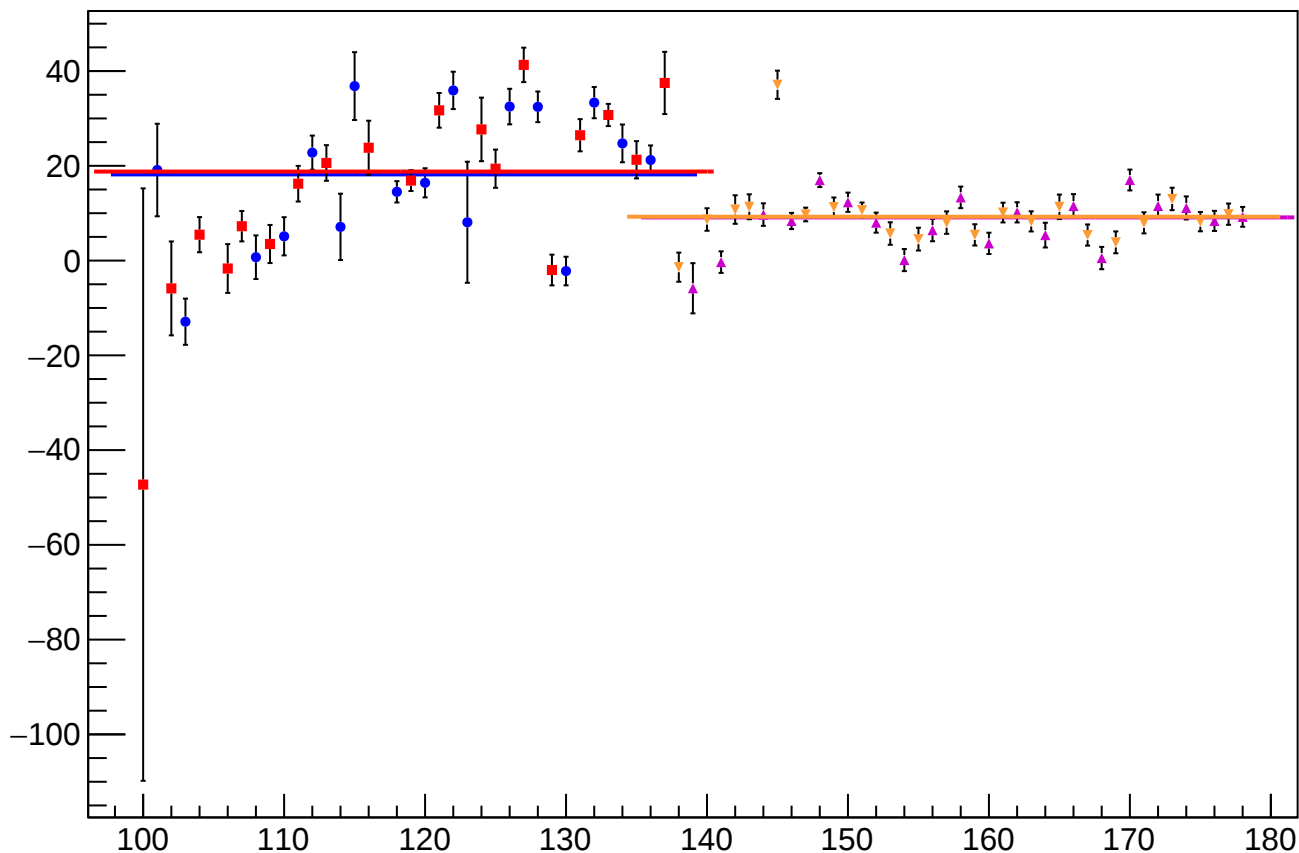
Left In: -50.441 +/- 0.650 χ^2/NDF : 519.2/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: -51.644 +/- 0.462 χ^2/NDF : 1233.1/40

- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188 $\pm$ 0.917 χ^2 /NDF: 204.9/16

Left Out: 9.257 $\pm$ 0.482 χ^2 /NDF:124.0/20

Right Out: 18.791 $\pm$ 0.863 χ^2 /NDF: 198.8/18

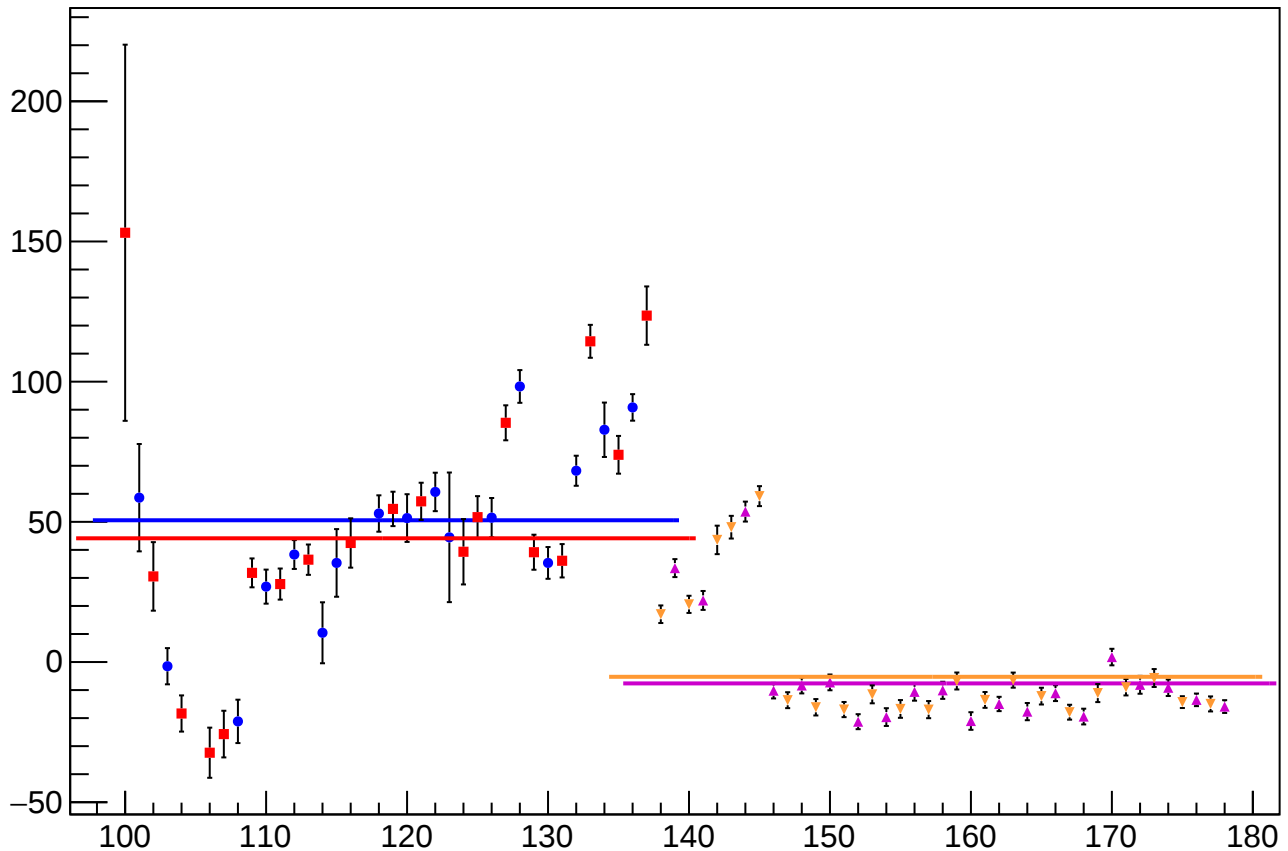
Left In: 9.114 $\pm$ 0.492 χ^2 /NDF:113.7/19

+ sign 11.191 $\pm$ 0.427 χ^2 /NDF: 403.2/37

All: 11.339 $\pm$ 0.302 χ^2 /NDF: 810.8/76

- sign 11.487 $\pm$ 0.427 χ^2 /NDF: 407.4/38

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 ± 1.678 χ^2/NDF : 357.9/16

Left Out: -5.269 ± 0.649 χ^2/NDF : 861.5/20

Right Out: 44.132 ± 1.603 χ^2/NDF : 532.5/18

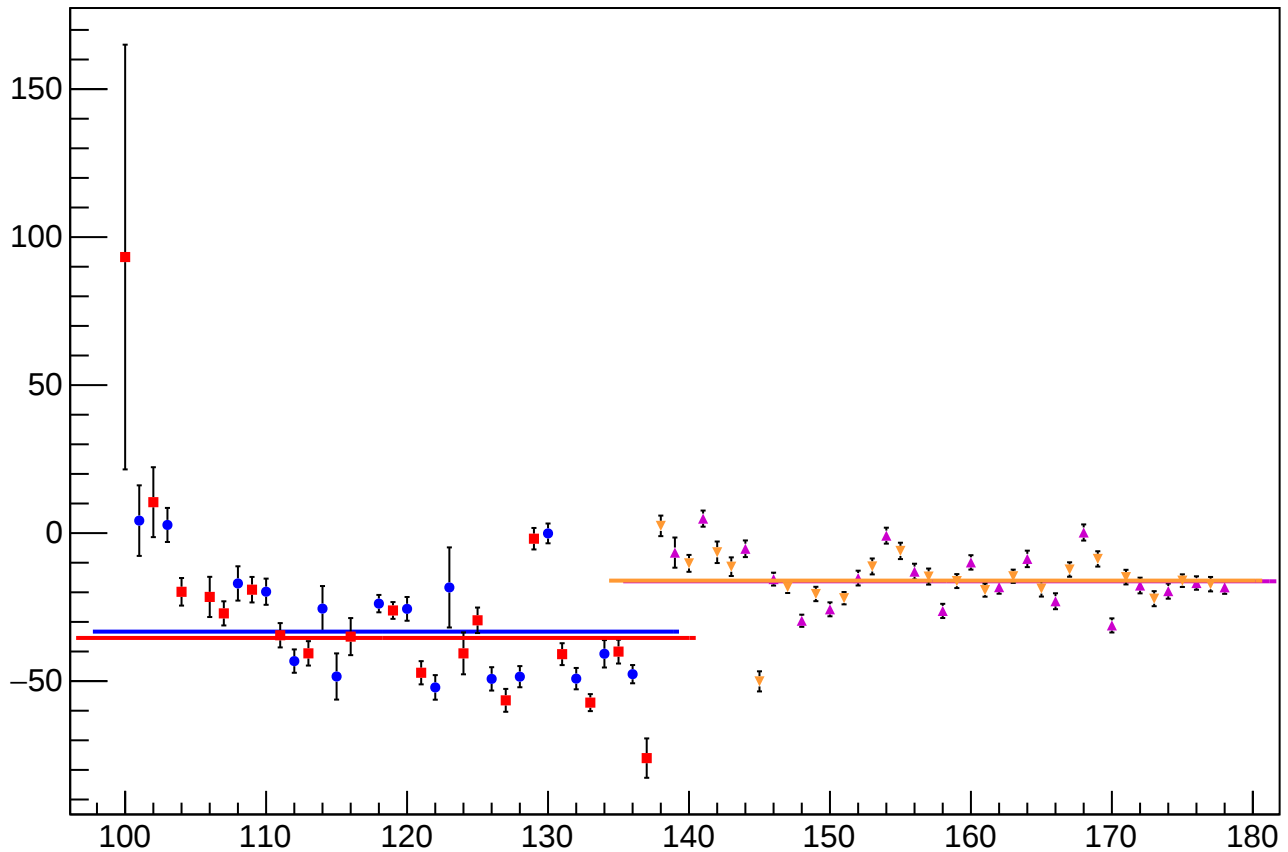
Left In: -7.623 ± 0.642 χ^2/NDF : 668.1/19

+ sign 2.005 ± 0.605 χ^2/NDF : 2182.9/37

All: 0.750 ± 0.425 χ^2/NDF : 4290.8/76

- sign -0.466 ± 0.596 χ^2/NDF : 2099.5/38

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.049 ± 0.553 χ^2/NDF : 191.6/20

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

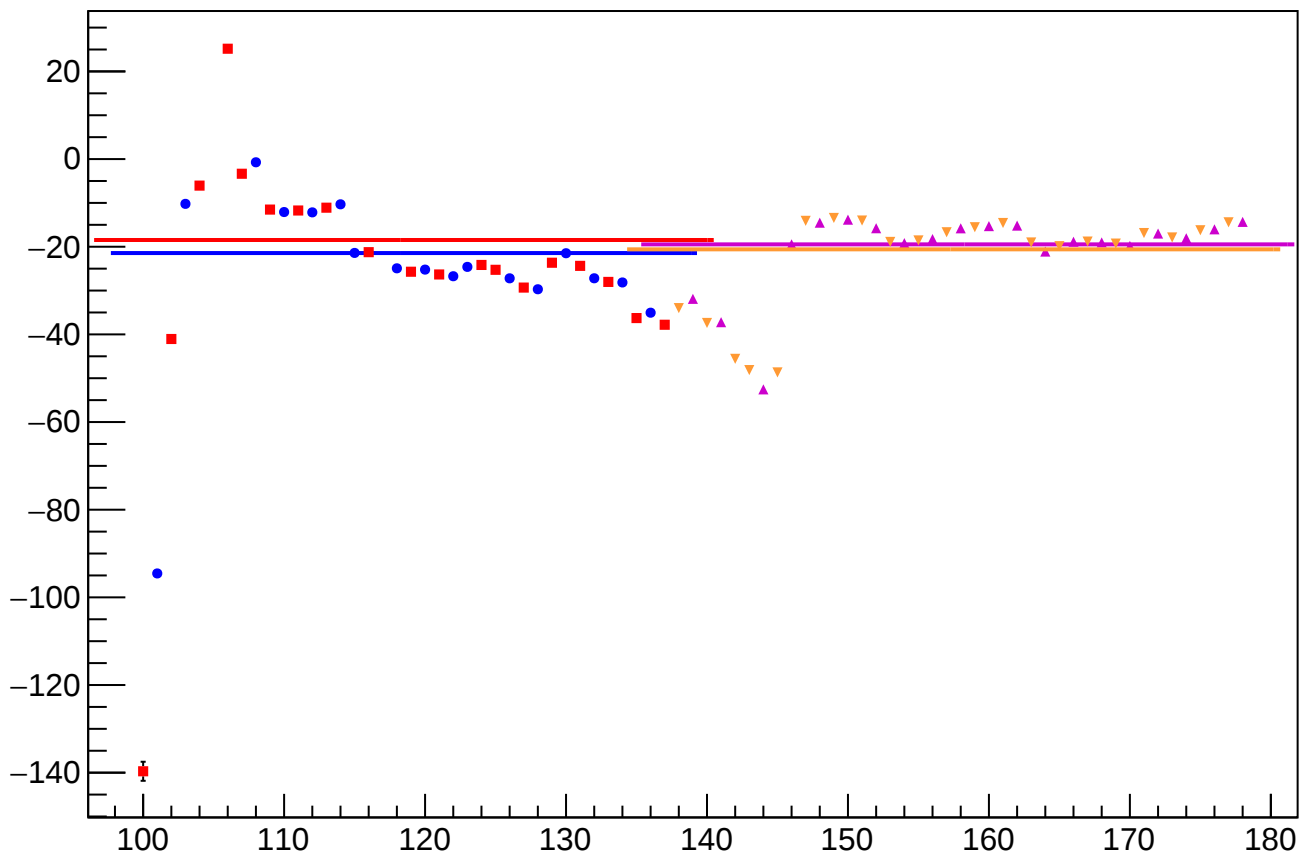
Left In: -16.282 ± 0.561 χ^2/NDF : 289.0/19

+ sign -19.833 ± 0.489 χ^2/NDF : 694.5/37

All: -20.377 ± 0.345 χ^2/NDF : 1558.0/76

- sign -20.919 ± 0.488 χ^2/NDF : 861.0/38

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -20.595 ± 0.026 $\chi^2/\text{NDF}: 135809.5/20$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

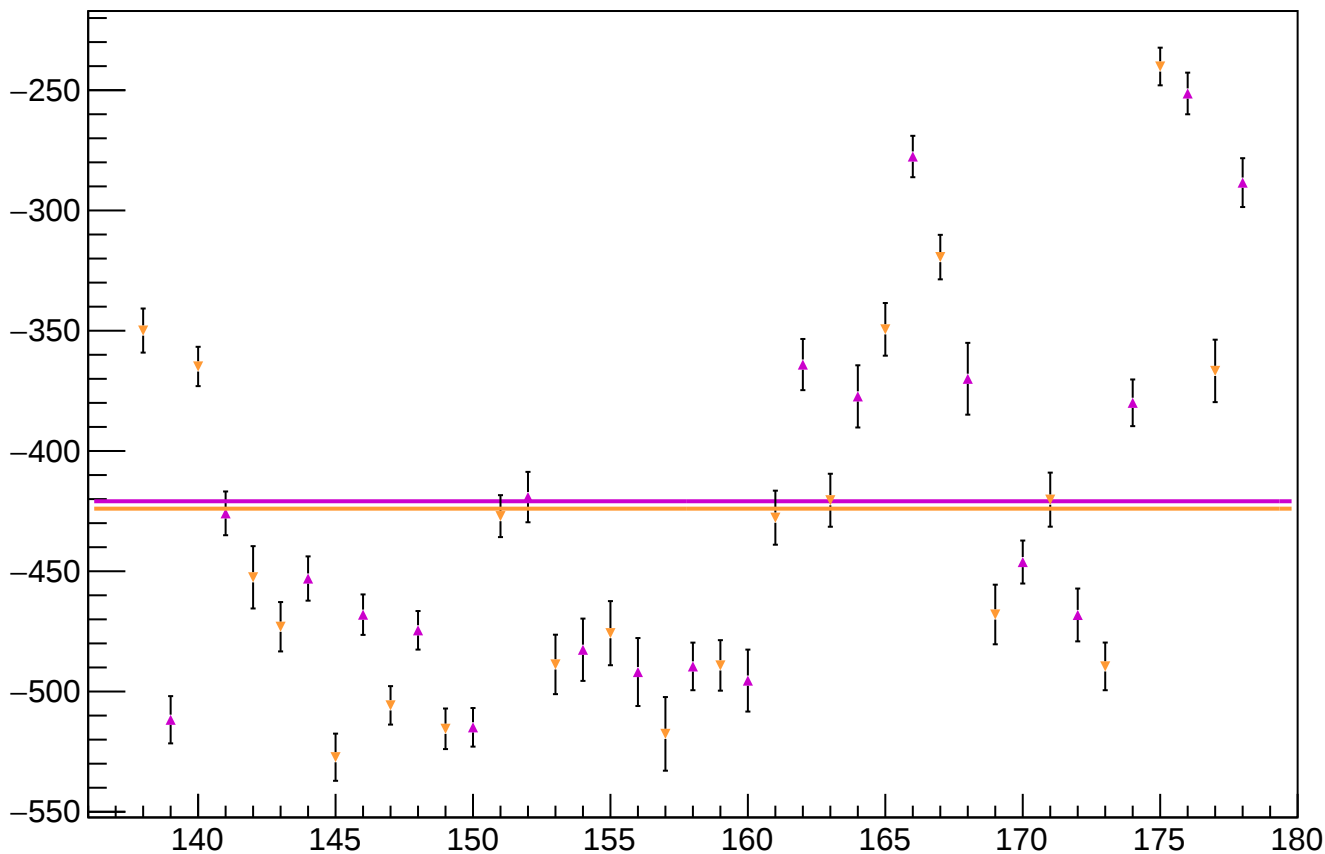
Left In: -19.460 ± 0.025 $\chi^2/\text{NDF}: 88356.0/19$

+ sign -20.730 ± 0.023 $\chi^2/\text{NDF}: 184951.8/37$

All: -20.006 ± 0.017 $\chi^2/\text{NDF}: 355913.5/76$

- sign -19.297 ± 0.023 $\chi^2/\text{NDF}: 169079.2/38$

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -423.975+/-2.213 χ^2/NDF :1399.0/20

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

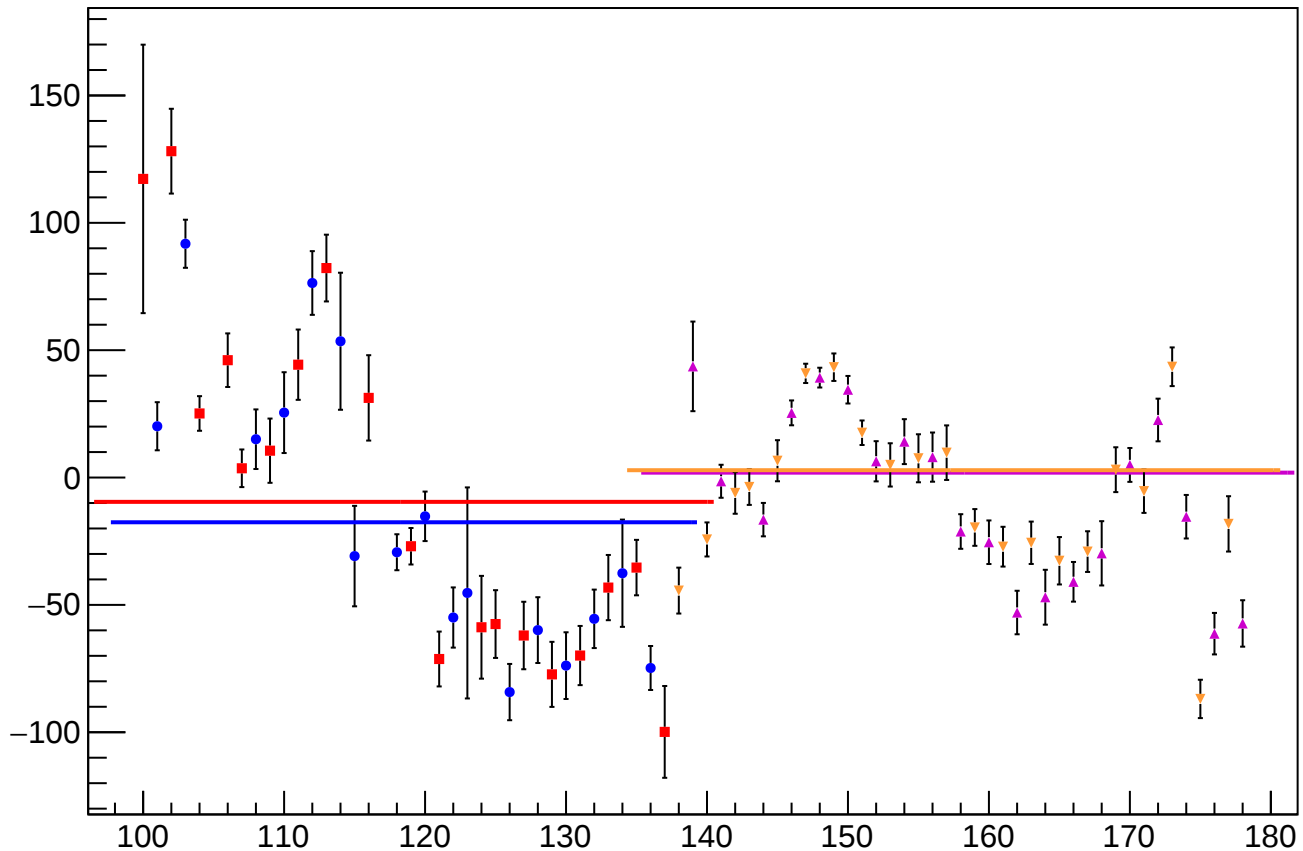
Left In: -420.901+/-2.219 χ^2/NDF :1368.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -422.442+/-1.567 χ^2/NDF : 2768.3/40

- 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: 2.877 ± 1.555 χ^2/NDF : 455.7/20

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

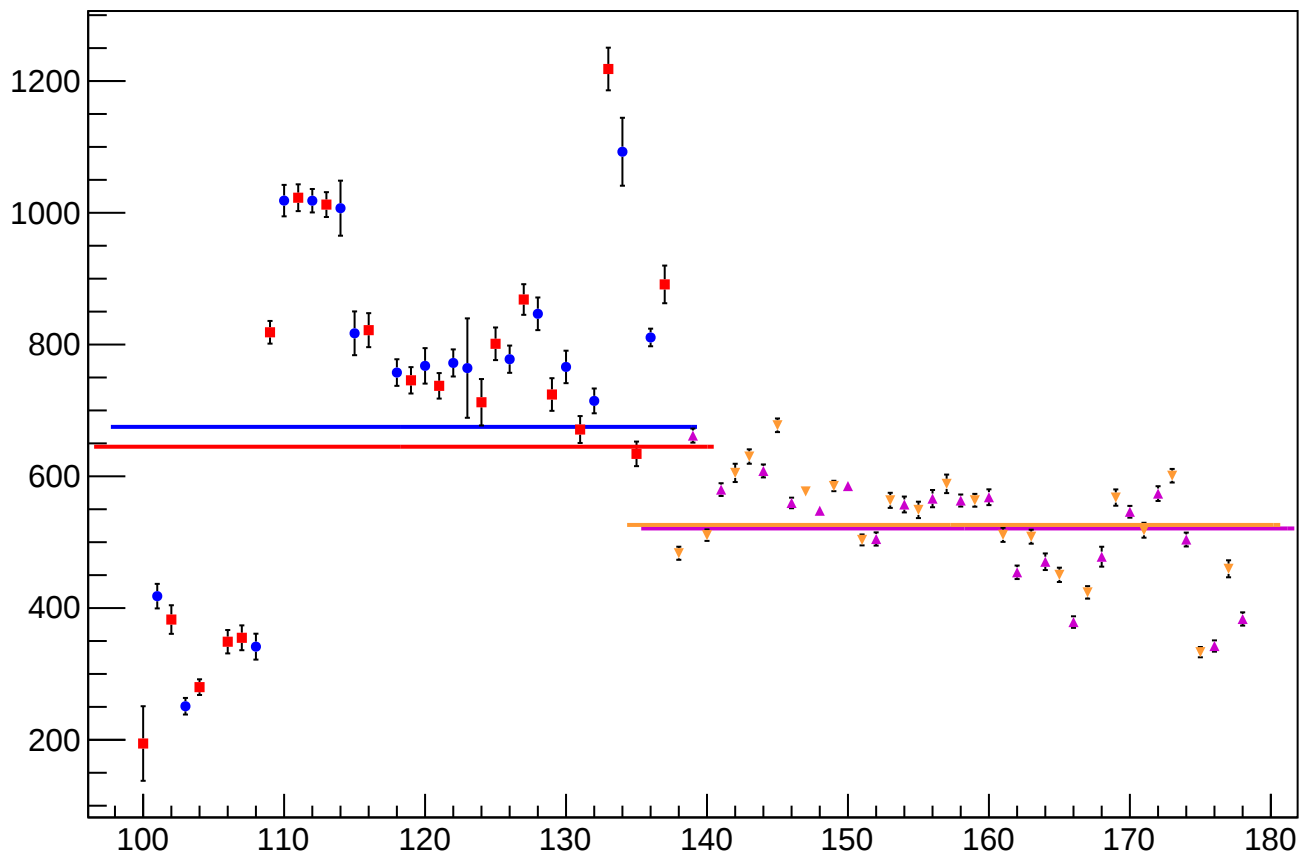
Left In: 1.920 ± 1.600 χ^2/NDF : 401.2/19

+ sign -1.889 ± 1.362 χ^2/NDF : 859.8/37

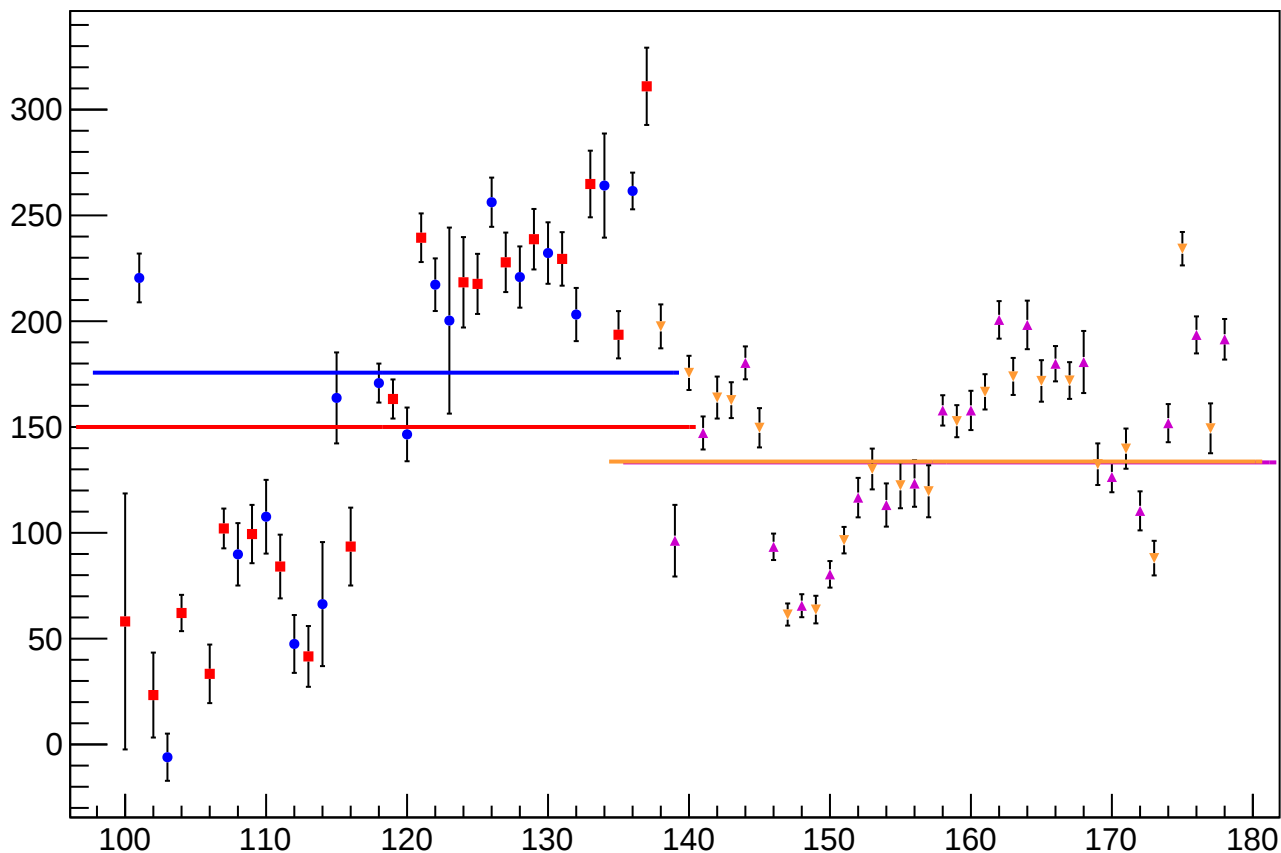
All: -1.553 ± 0.964 χ^2/NDF : 1645.4/76

- sign -1.215 ± 1.364 χ^2/NDF : 785.5/38

reg_asym_atr2_diff_bpm4eX_slope vs Slug



reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 133.678 $\pm$ 1.826 χ^2 /NDF:705.8/20

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

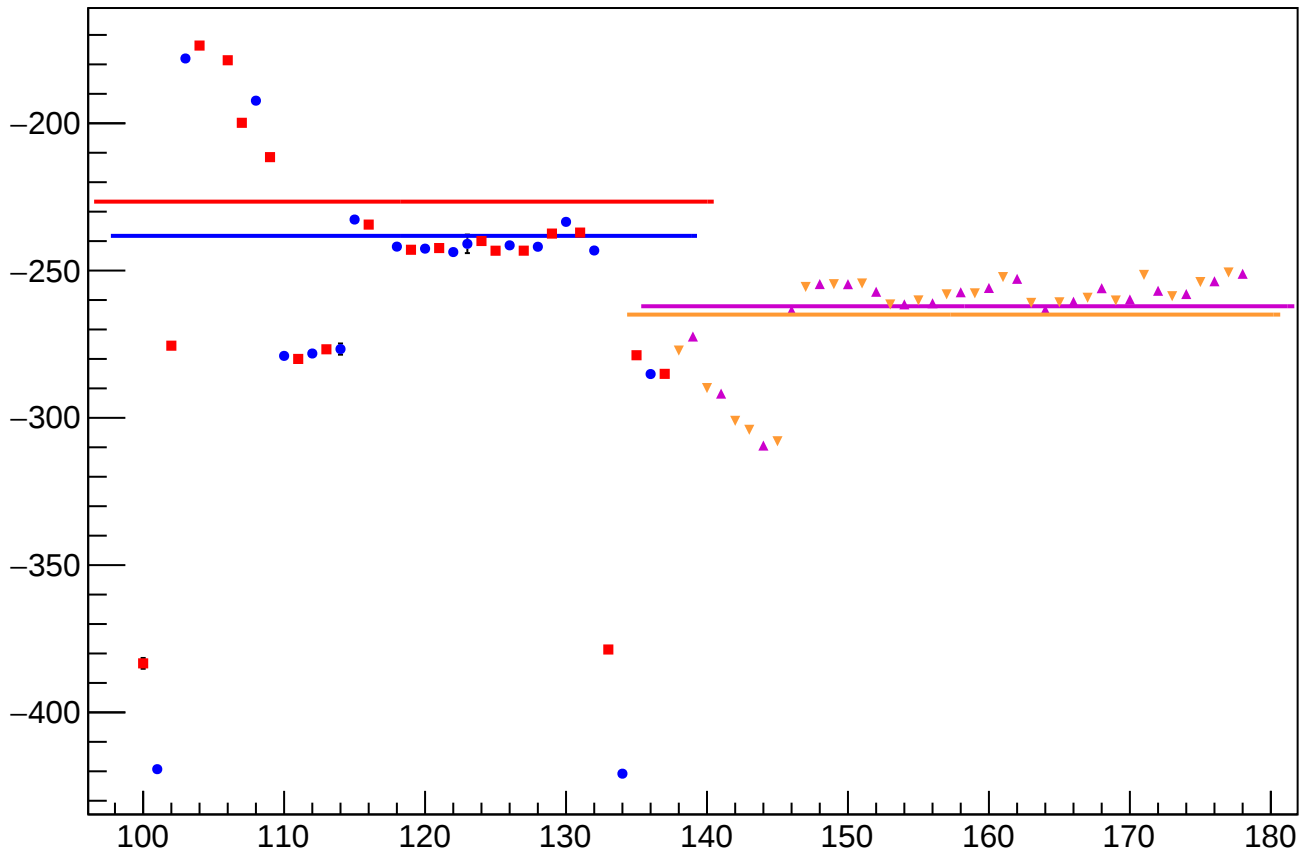
Left In: 133.279 $\pm$ 1.863 χ^2 /NDF:565.2/19

+ sign 143.810 $\pm$ 1.591 χ^2 /NDF: 1471.3/37

All: 140.823 $\pm$ 1.124 χ^2 /NDF: 2759.3/76

- sign 137.843 $\pm$ 1.589 χ^2 /NDF: 1280.9/38

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 $\chi^2/\text{NDF}: 167120.0/16$

Left Out: -264.948 ± 0.088 $\chi^2/\text{NDF}: 36329.4/20$

Right Out: -226.597 ± 0.151 $\chi^2/\text{NDF}: 102562.3/18$

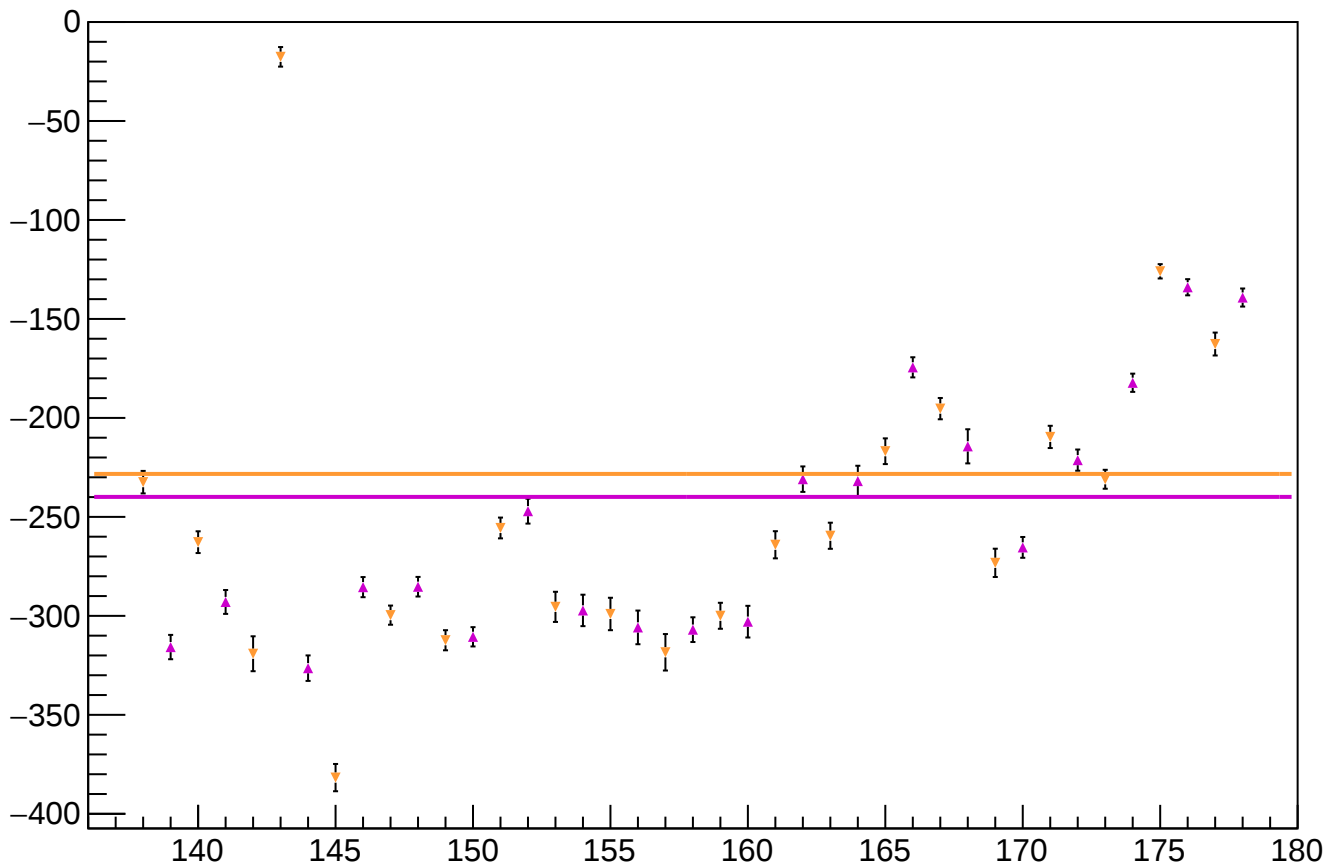
Left In: -262.115 ± 0.088 $\chi^2/\text{NDF}: 22275.7/19$

+ sign -258.740 ± 0.077 $\chi^2/\text{NDF}: 224757.5/37$

All: -255.908 ± 0.054 $\chi^2/\text{NDF}: 393517.7/76$

- sign -253.183 ± 0.076 $\chi^2/\text{NDF}: 166127.4/38$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -228.294+/-1.263 χ^2/NDF : 4409.1/20

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

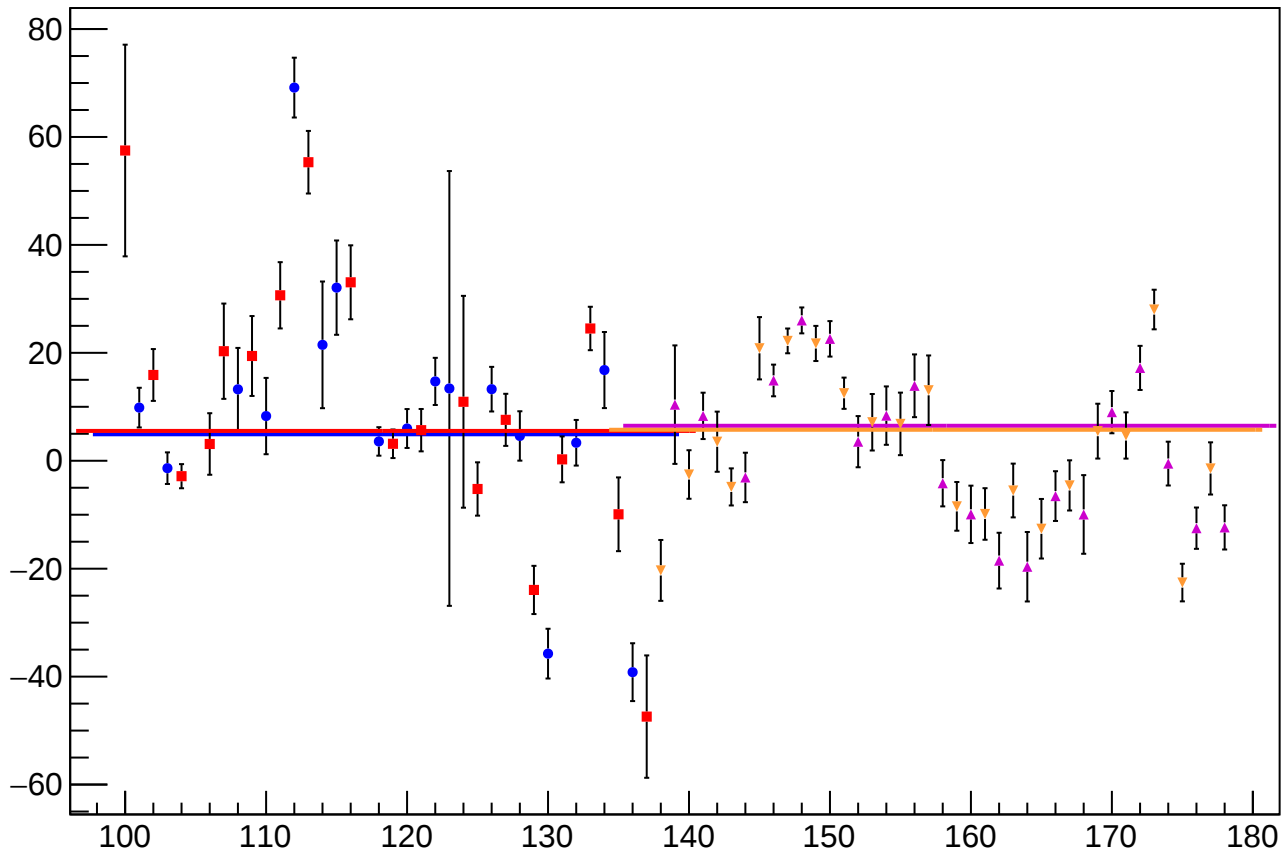
Left In: -239.902+/-1.275 χ^2/NDF : 2604.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -234.041+/-0.897 χ^2/NDF : 7055.1/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 5.741 ± 0.903 χ^2/NDF : 270.5/20

Right Out: 5.530 ± 1.069 χ^2/NDF : 238.9/18

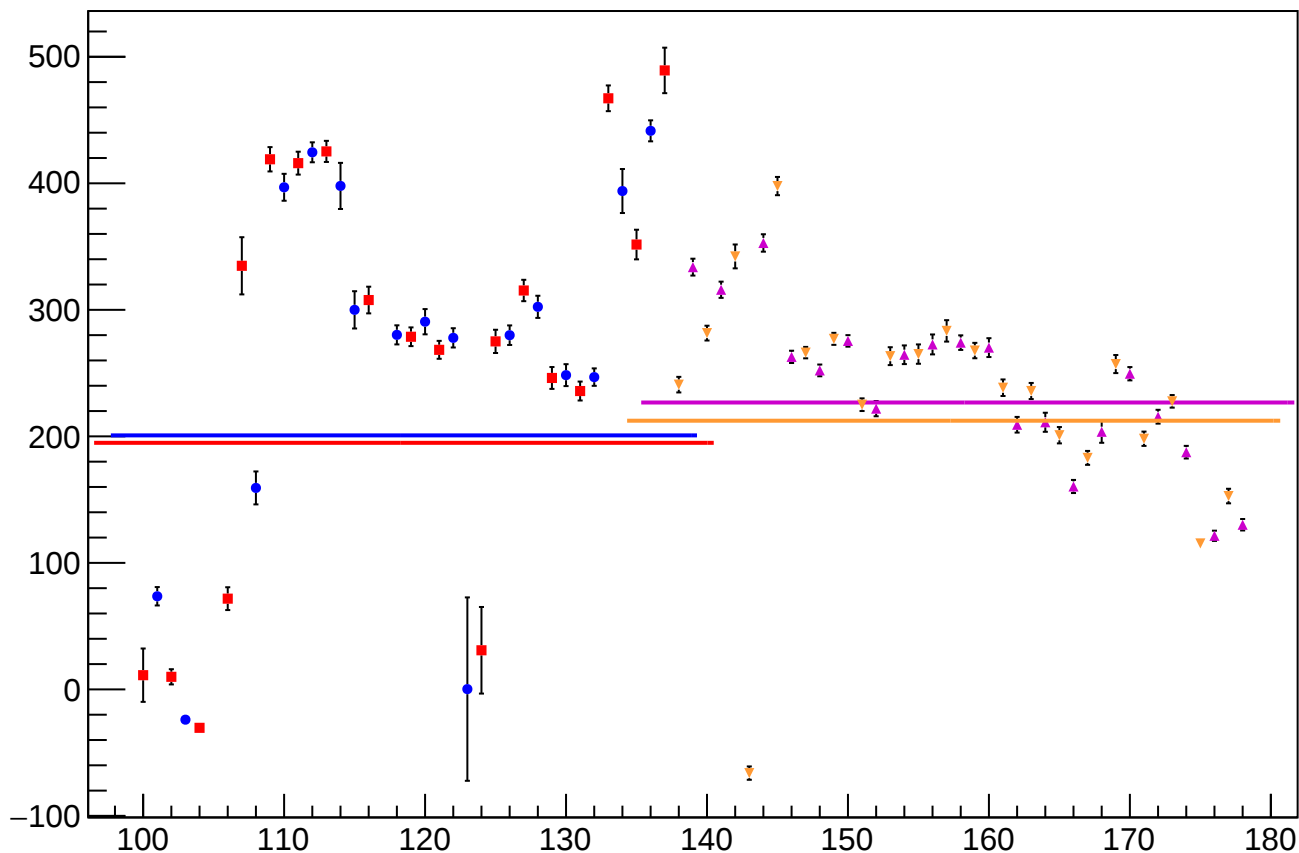
Left In: 6.482 ± 0.940 χ^2/NDF : 229.8/19

+ sign 5.406 ± 0.699 χ^2/NDF : 582.5/37

All: 5.733 ± 0.497 χ^2/NDF : 1052.1/76

- sign 6.066 ± 0.706 χ^2/NDF : 469.2/38

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 ± 1.983 $\chi^2/\text{NDF}: 6733.0/16$

Left Out: 212.368 ± 1.254 $\chi^2/\text{NDF}: 5321.4/20$

Right Out: 194.892 ± 1.924 $\chi^2/\text{NDF}: 8247.1/18$

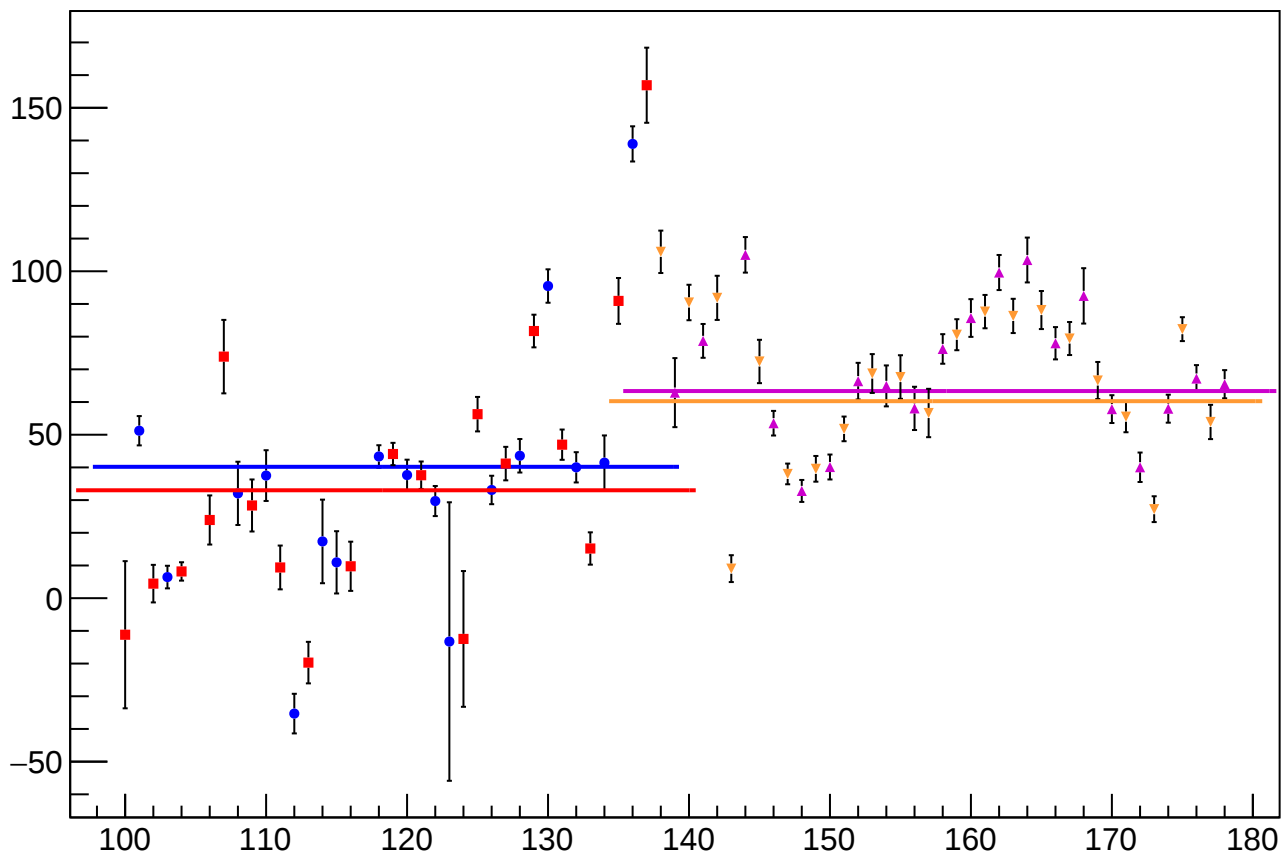
Left In: 226.758 ± 1.261 $\chi^2/\text{NDF}: 2549.2/19$

+ sign 209.055 ± 1.060 $\chi^2/\text{NDF}: 12078.8/37$

All: 213.137 ± 0.748 $\chi^2/\text{NDF}: 23096.5/76$

- sign 217.178 ± 1.055 $\chi^2/\text{NDF}: 10988.2/38$

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 $\chi^2/\text{NDF}: 734.6/16$

Left Out: 60.262 ± 1.052 $\chi^2/\text{NDF}: 566.3/20$

Right Out: 33.006 ± 1.250 $\chi^2/\text{NDF}: 552.7/18$

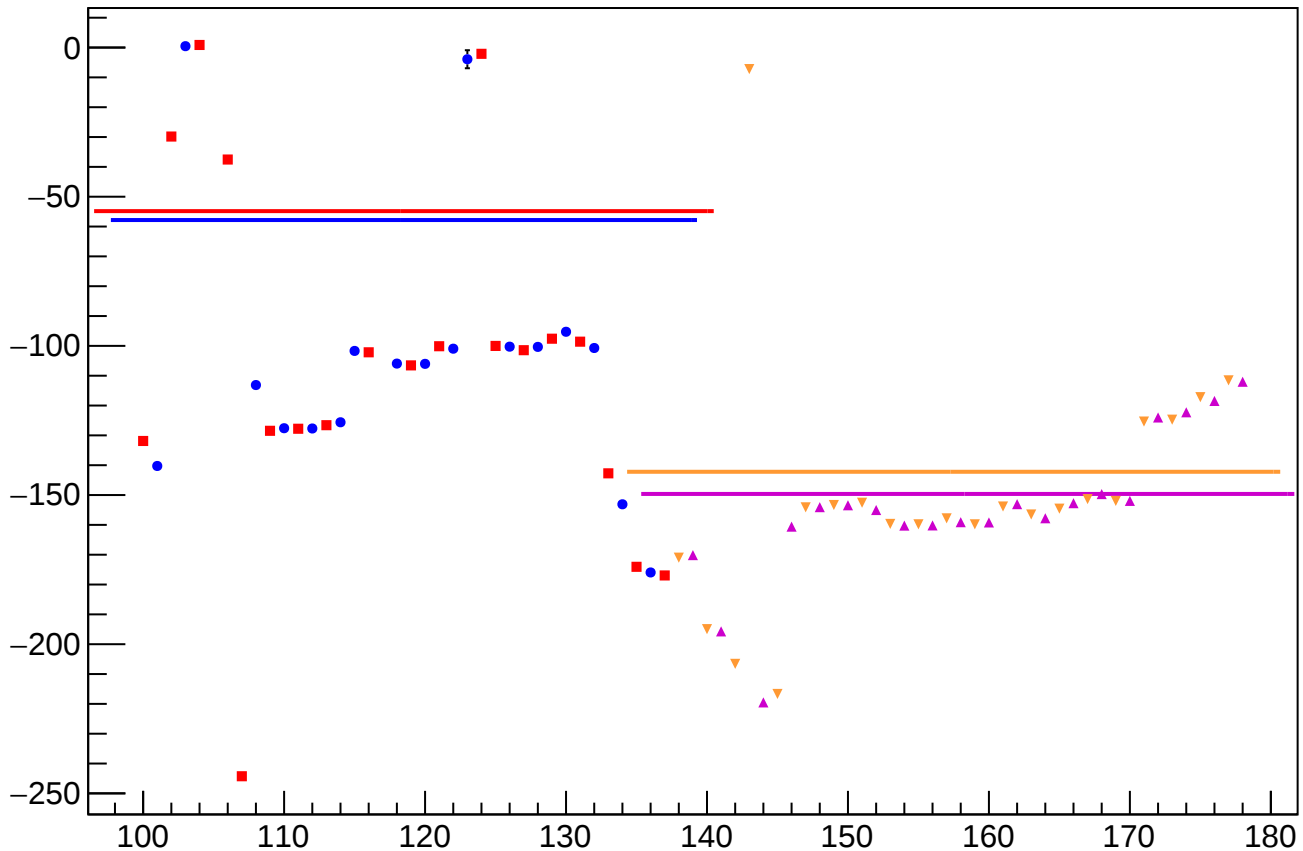
Left In: 63.359 ± 1.085 $\chi^2/\text{NDF}: 349.8/19$

+ sign 52.194 ± 0.813 $\chi^2/\text{NDF}: 1447.3/37$

All: 51.267 ± 0.577 $\chi^2/\text{NDF}: 2688.7/76$

- sign 50.327 ± 0.819 $\chi^2/\text{NDF}: 1238.8/38$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 ± 0.062 χ^2/NDF : 1101296.2/16

Left Out: -142.201 ± 0.051 χ^2/NDF : 654828.5/20

Right Out: -54.833 ± 0.060 χ^2/NDF : 1000741.7/18

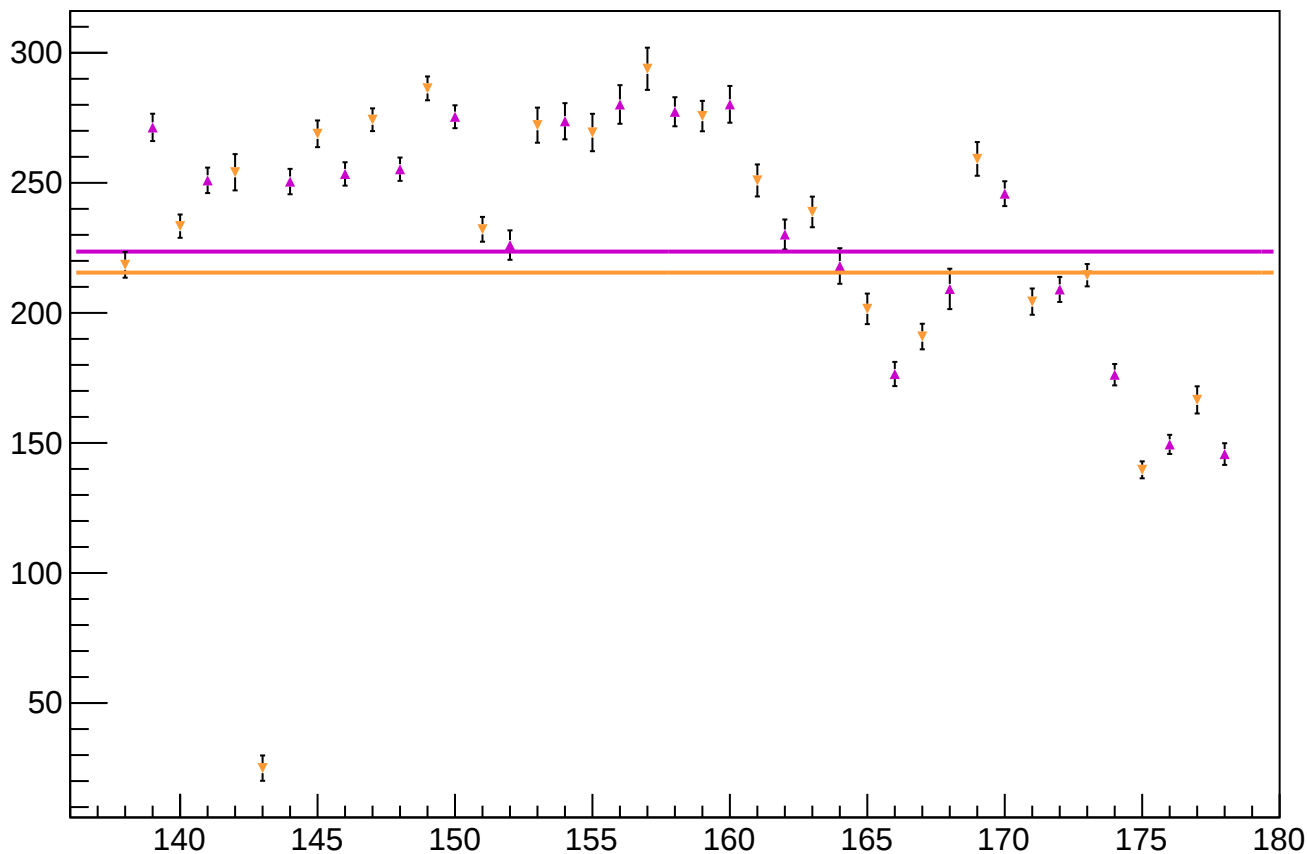
Left In: -149.631 ± 0.051 χ^2/NDF : 204726.9/19

+ sign -108.393 ± 0.039 χ^2/NDF : 2873841.1/37

All: -109.385 ± 0.028 χ^2/NDF : 5531511.9/76

- sign -110.360 ± 0.039 χ^2/NDF : 2656394.1/38

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 215.492 $\pm$ 1.122 χ^2/NDF : 3201.4/20

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

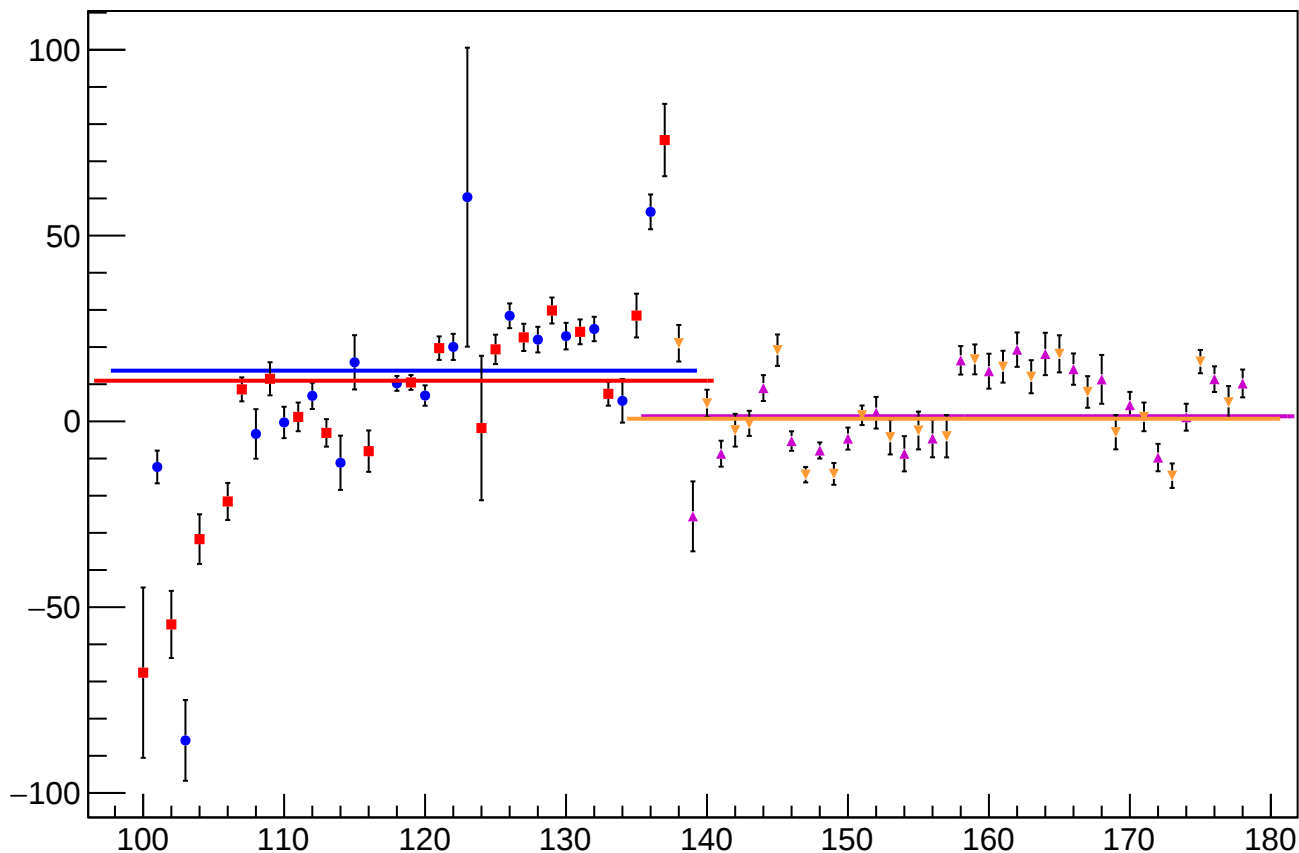
Left In: 223.570 $\pm$ 1.129 χ^2/NDF : 1668.9/19

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

All: 219.506 $\pm$ 0.796 χ^2/NDF : 4896.0/40

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

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: 0.711 $\pm$ 0.805 χ^2 /NDF: 213.9/20

Right Out: 10.944 $\pm$ 0.913 χ^2 /NDF: 302.5/18

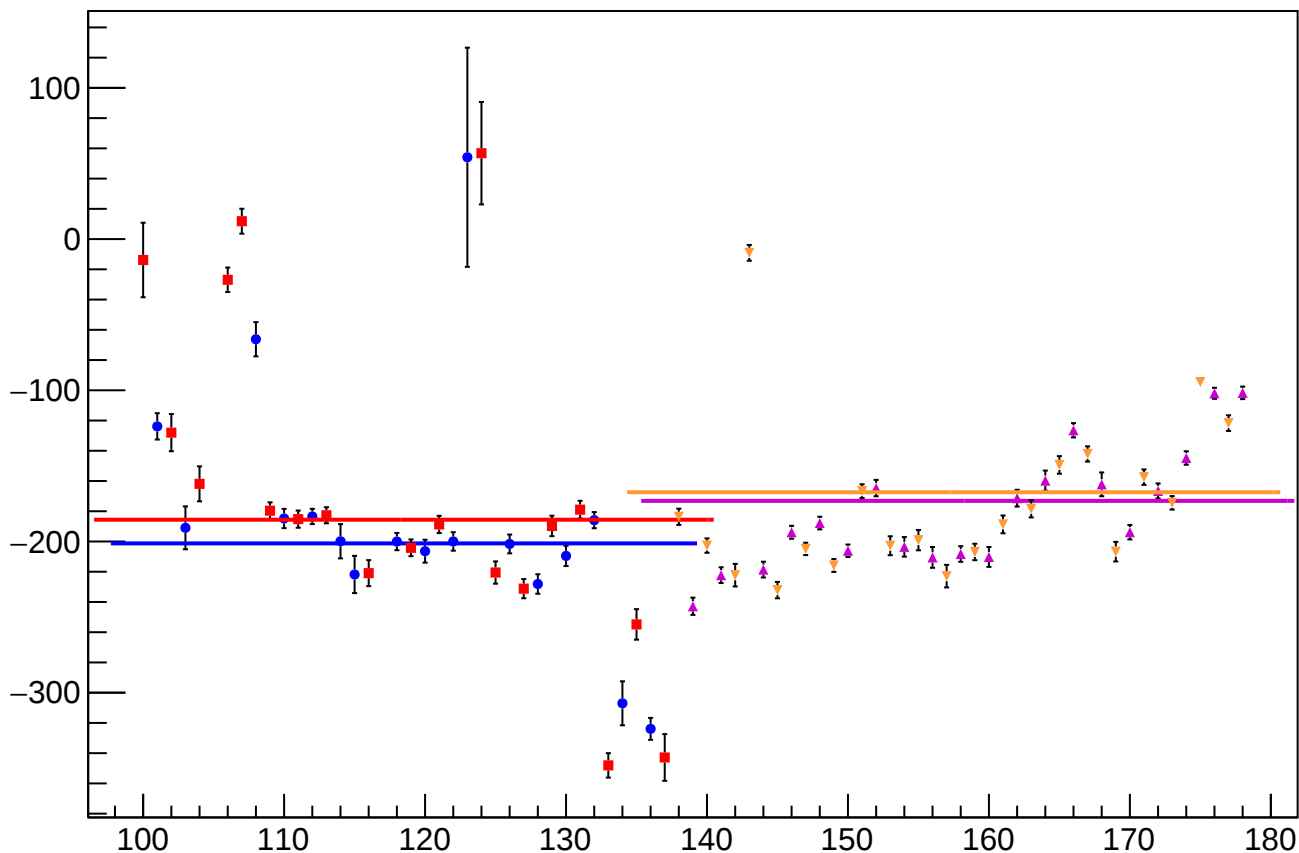
Left In: 1.376 $\pm$ 0.833 χ^2 /NDF: 136.7/19

+ sign 6.215 $\pm$ 0.611 χ^2 /NDF: 617.7/37

All: 5.971 $\pm$ 0.434 χ^2 /NDF: 1117.1/76

- sign 5.724 $\pm$ 0.616 χ^2 /NDF: 499.1/38

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -167.415 ± 1.116 χ^2/NDF : 2235.7/20

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

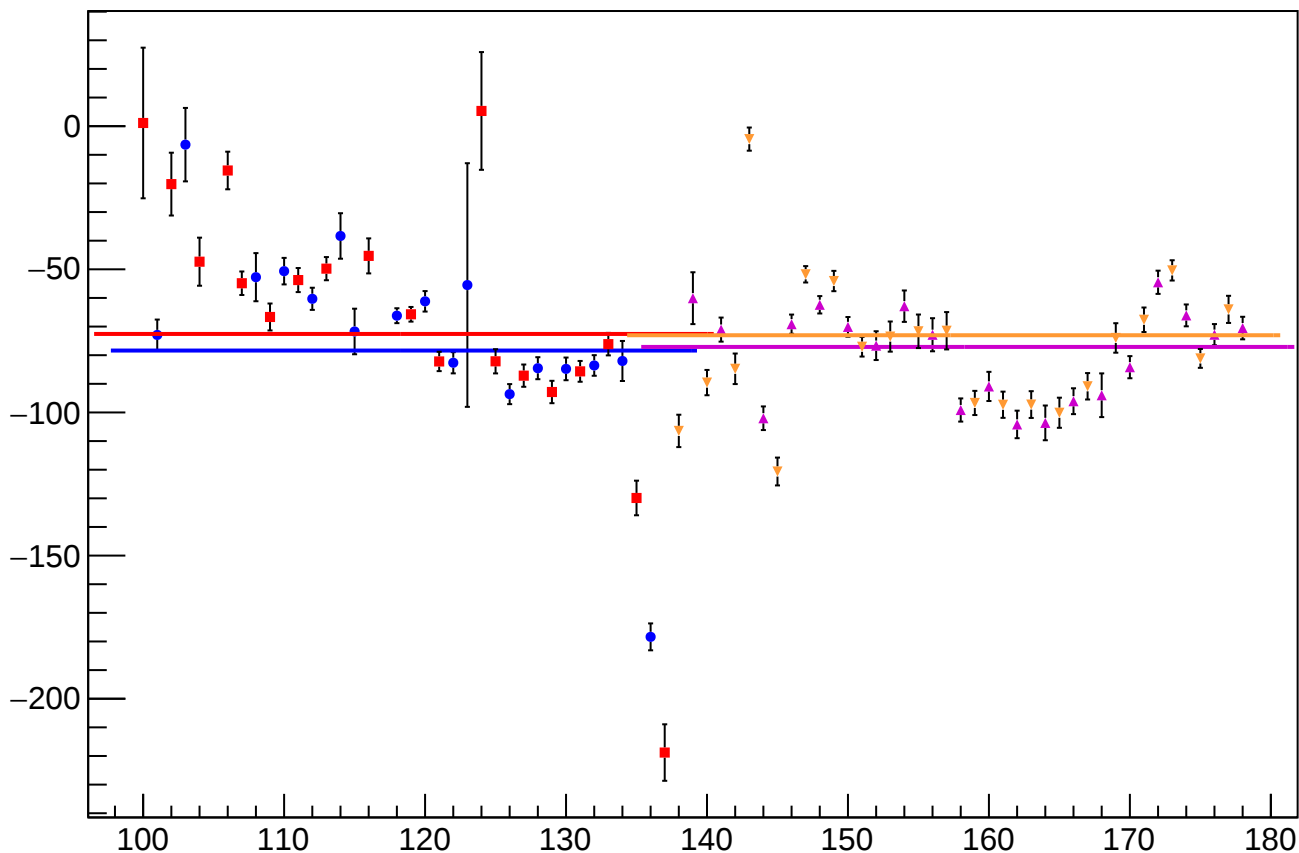
Left In: -173.142 ± 1.119 χ^2/NDF : 1389.8/19

+ sign -176.849 ± 0.948 χ^2/NDF : 3115.5/37

All: -176.878 ± 0.665 χ^2/NDF : 6288.8/76

- sign -176.907 ± 0.934 χ^2/NDF : 3173.3/38

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -73.027 ± 0.938 χ^2/NDF : 701.6/20

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

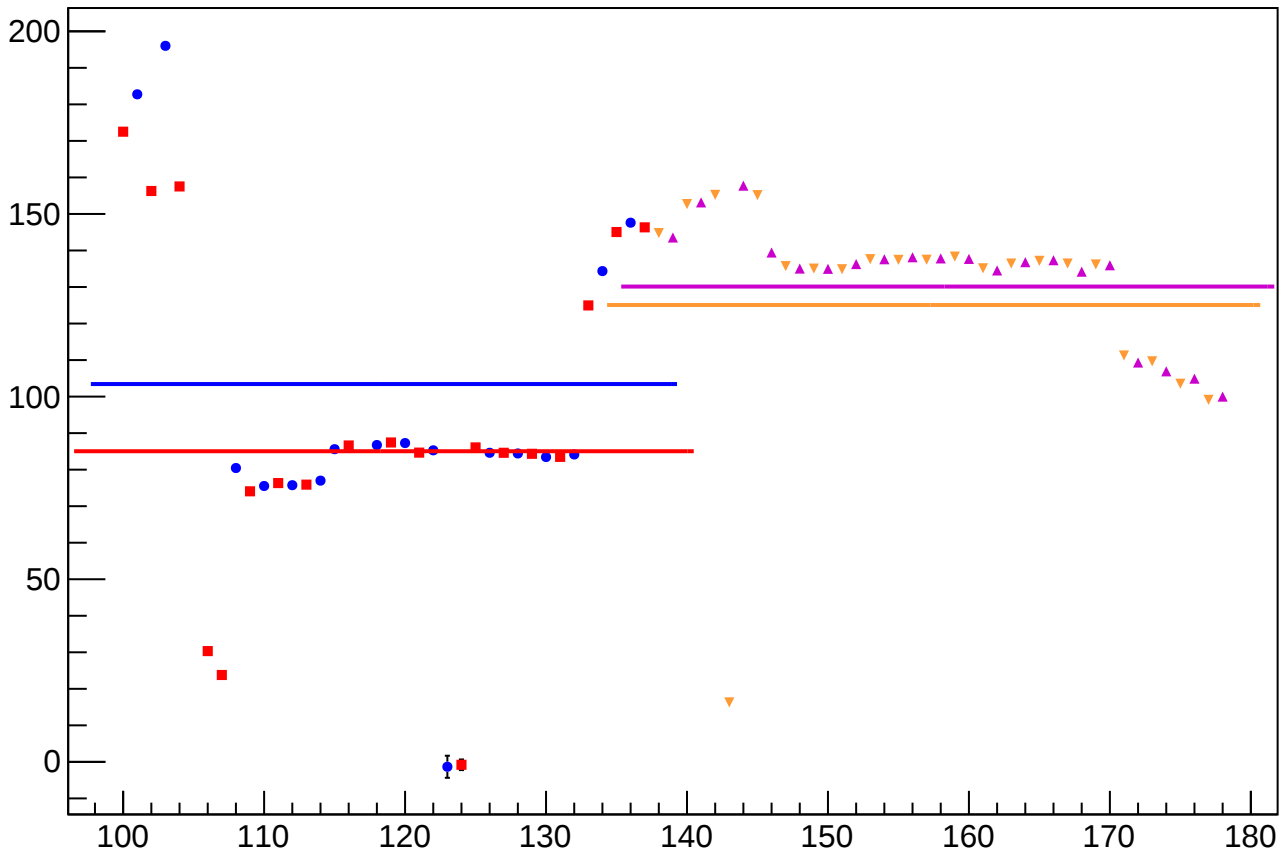
Left In: -77.109 ± 0.962 χ^2/NDF : 239.6/19

+ sign -75.323 ± 0.708 χ^2/NDF : 1366.9/37

All: -75.184 ± 0.501 χ^2/NDF : 2222.6/76

- sign -75.045 ± 0.710 χ^2/NDF : 855.6/38

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 125.079 $\pm$ 0.045 χ^2 /NDF: 413581.9/20

Right Out: 85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

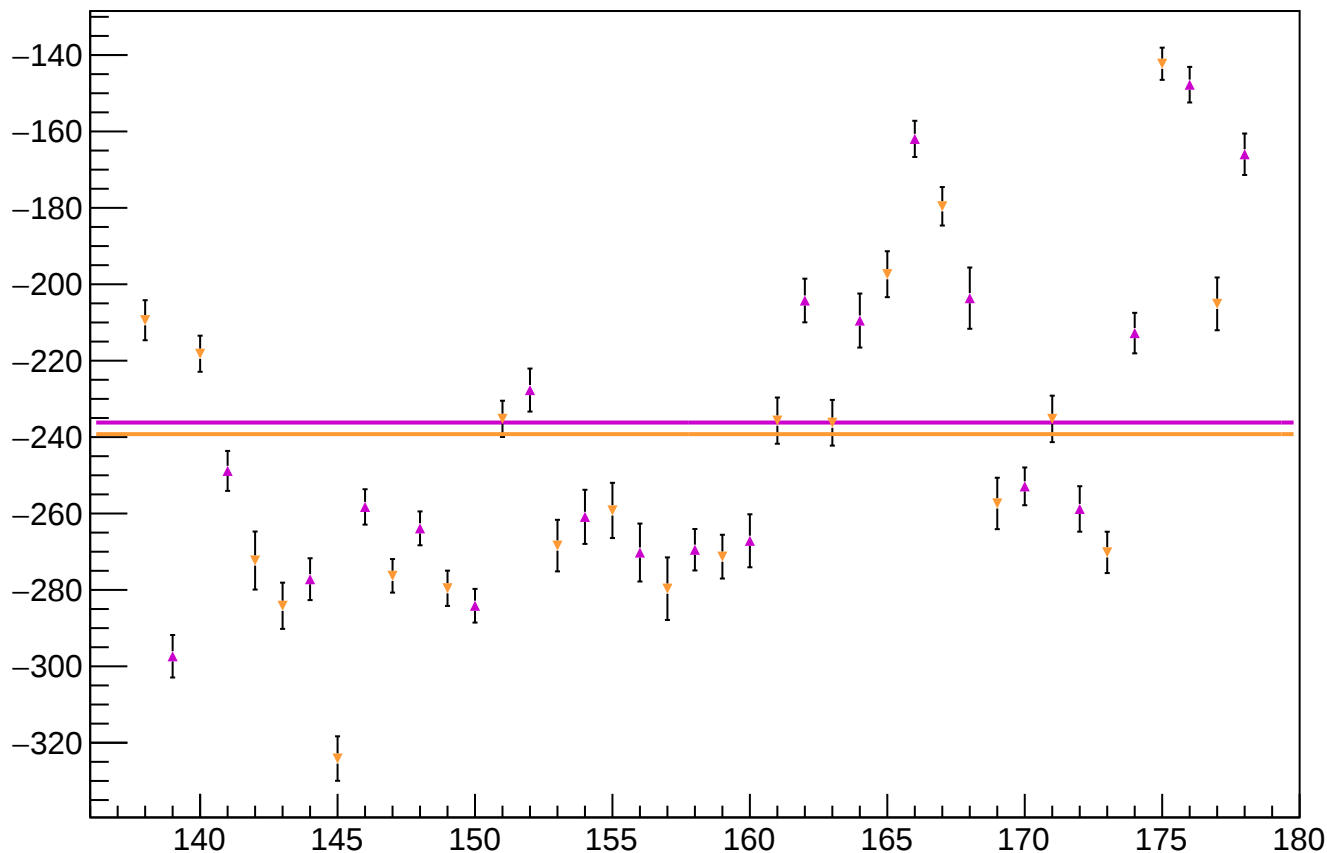
Left In: 130.124 $\pm$ 0.045 χ^2 /NDF: 126264.4/19

+ sign 118.879 $\pm$ 0.038 χ^2 /NDF: 752894.6/37

All: 116.966 $\pm$ 0.026 χ^2 /NDF: 1640770.4/76

- sign 115.175 $\pm$ 0.037 χ^2 /NDF: 882953.8/38

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -239.226+/-1.224 χ^2/NDF :1353.2/20

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

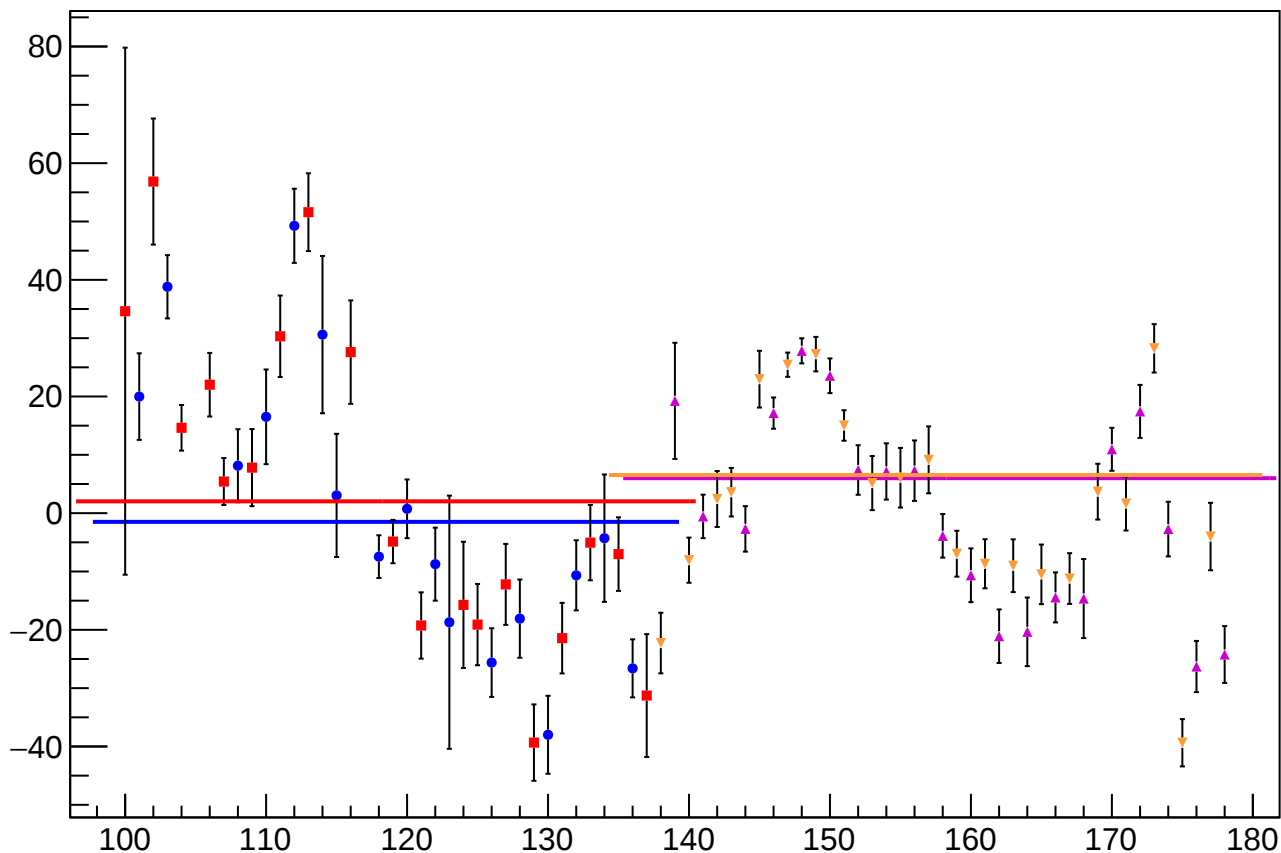
Left In: -236.193+/-1.221 χ^2/NDF :1336.2/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -237.707+/-0.864 χ^2/NDF : 2692.4/40

- 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: 6.534 ± 0.859 $\chi^2/\text{NDF}: 425.2/20$

Right Out: 2.028 ± 1.400 $\chi^2/\text{NDF}: 233.3/18$

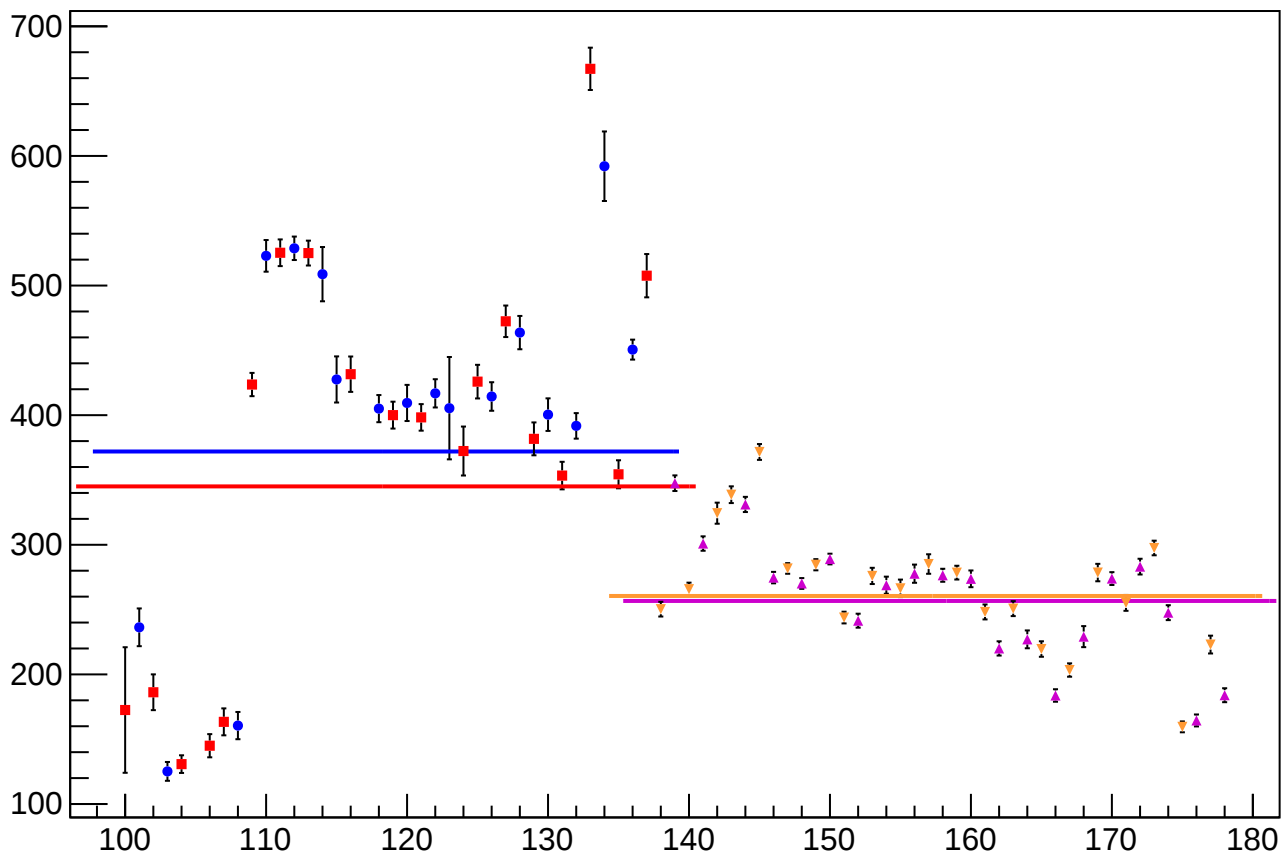
Left In: 5.995 ± 0.882 $\chi^2/\text{NDF}: 376.7/19$

+ sign 4.621 ± 0.750 $\chi^2/\text{NDF}: 671.9/37$

All: 4.745 ± 0.529 $\chi^2/\text{NDF}: 1287.7/76$

- sign 4.867 ± 0.746 $\chi^2/\text{NDF}: 615.7/38$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 260.511 $\pm$ 1.210 χ^2 /NDF:1478.7/20

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

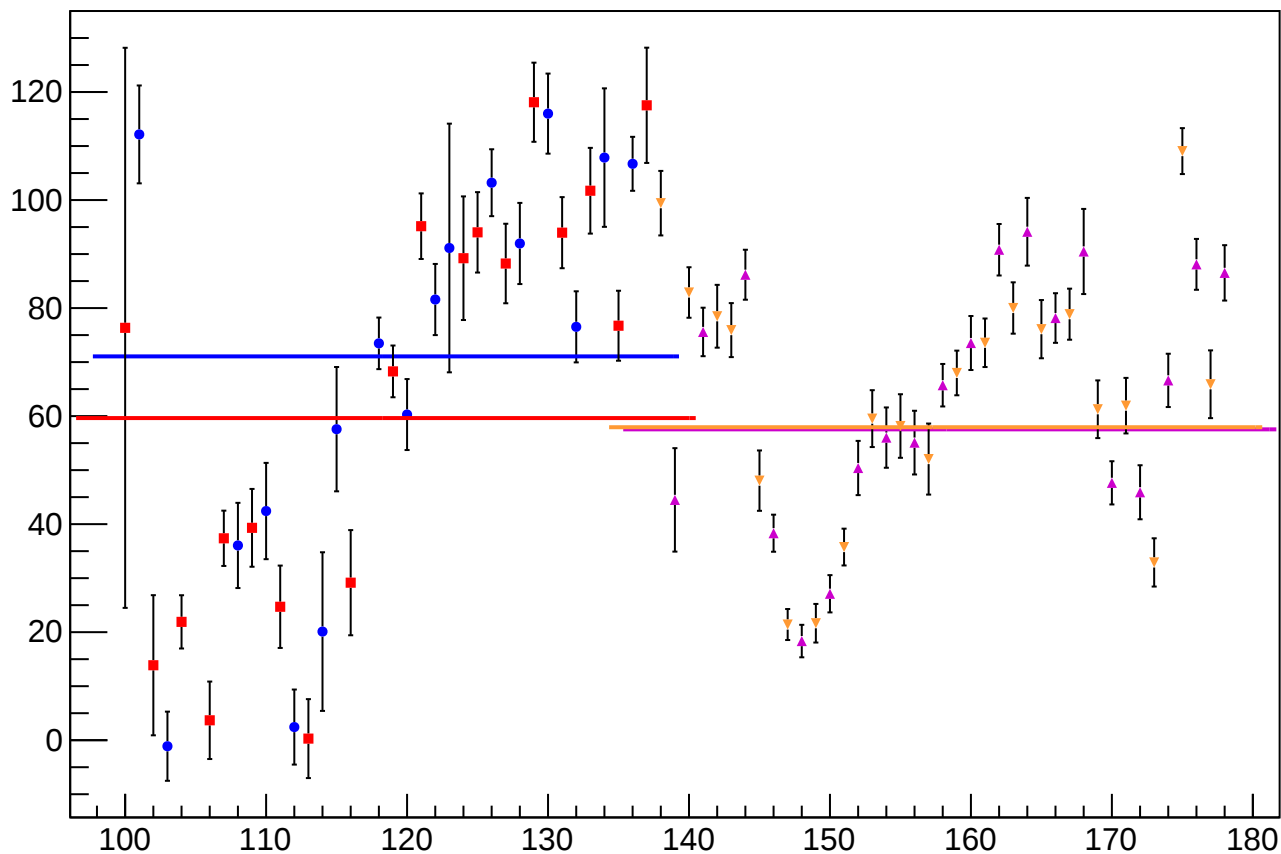
Left In: 256.669 $\pm$ 1.203 χ^2 /NDF:1503.0/19

+ sign 278.294 $\pm$ 1.109 χ^2 /NDF: 5264.7/37

All: 275.417 $\pm$ 0.777 χ^2 /NDF: 11170.8/76

- sign 272.644 $\pm$ 1.089 χ^2 /NDF: 5892.9/38

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 57.941 $\pm$ 1.008 χ^2 /NDF: 662.7/20

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

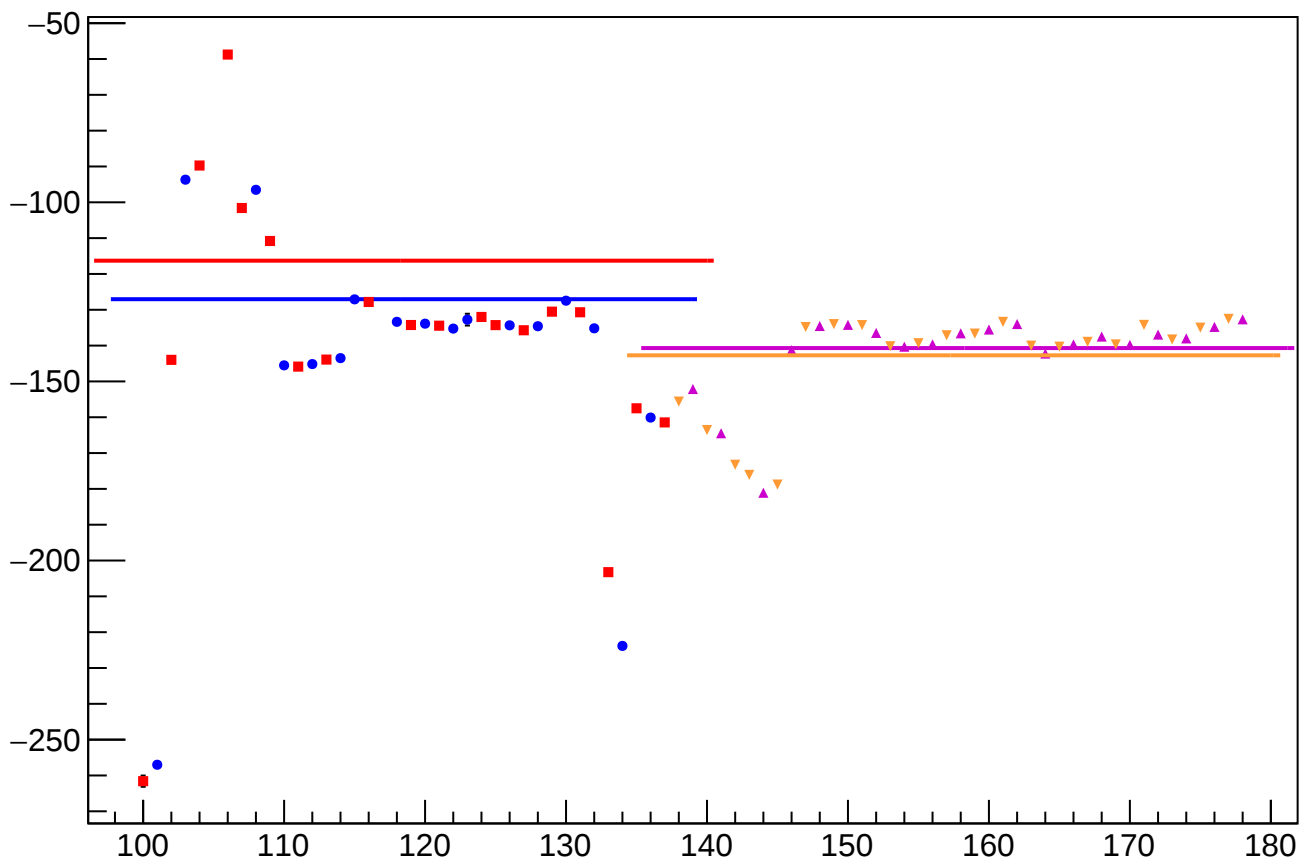
Left In: 57.548 $\pm$ 1.025 χ^2 /NDF: 561.4/19

+ sign 61.168 $\pm$ 0.875 χ^2 /NDF: 1130.6/37

All: 59.641 $\pm$ 0.616 χ^2 /NDF: 2190.9/76

- sign 58.139 $\pm$ 0.868 χ^2 /NDF: 1054.3/38

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -142.712 ± 0.049 $\chi^2/\text{NDF}: 74854.3/20$

Right Out: -116.295 ± 0.083 $\chi^2/\text{NDF}: 167109.1/18$

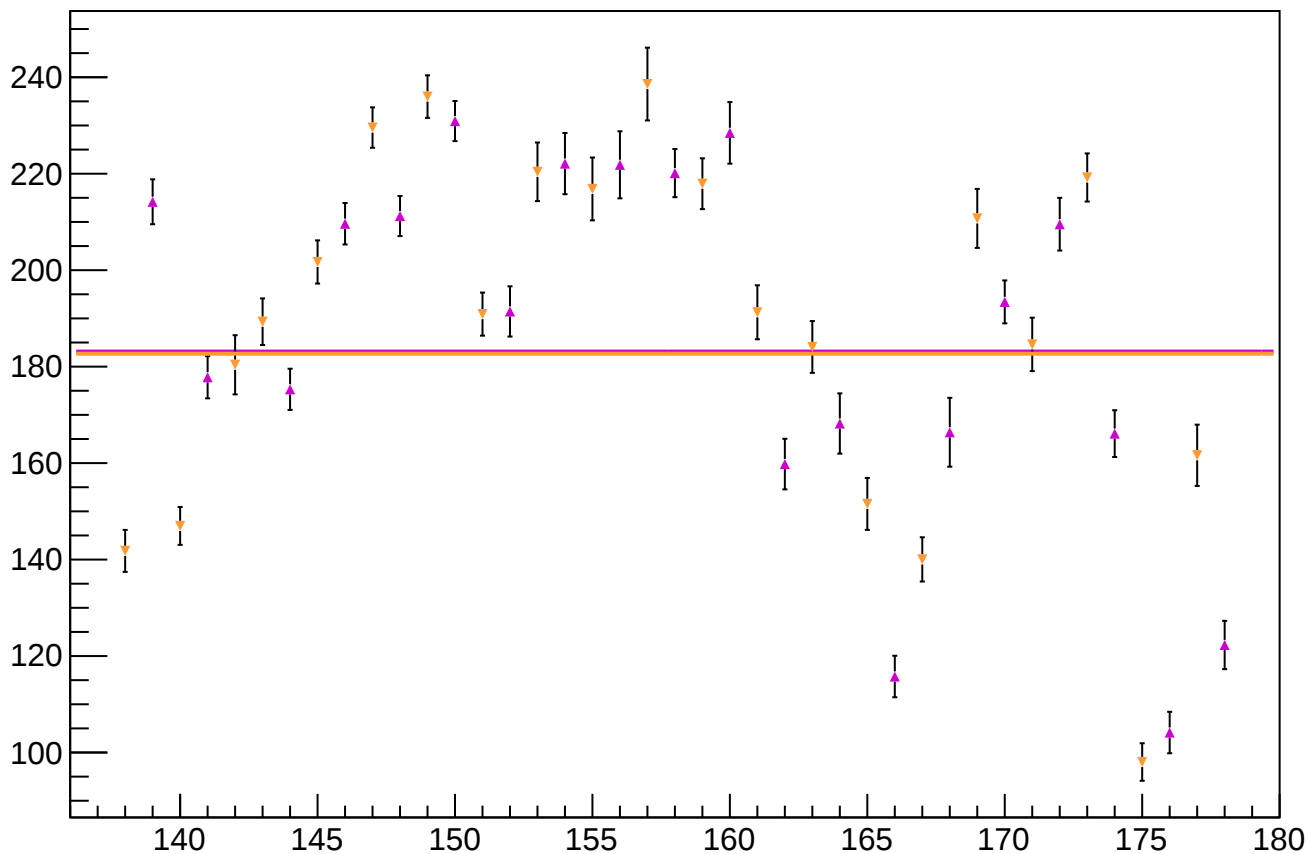
Left In: -140.689 ± 0.048 $\chi^2/\text{NDF}: 46303.5/19$

+ sign -139.160 ± 0.043 $\chi^2/\text{NDF}: 265404.8/37$

All: -136.791 ± 0.030 $\chi^2/\text{NDF}: 549439.0/76$

- sign -134.543 ± 0.042 $\chi^2/\text{NDF}: 278051.5/38$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 182.685+/-1.092 χ^2/NDF :1311.6/20

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

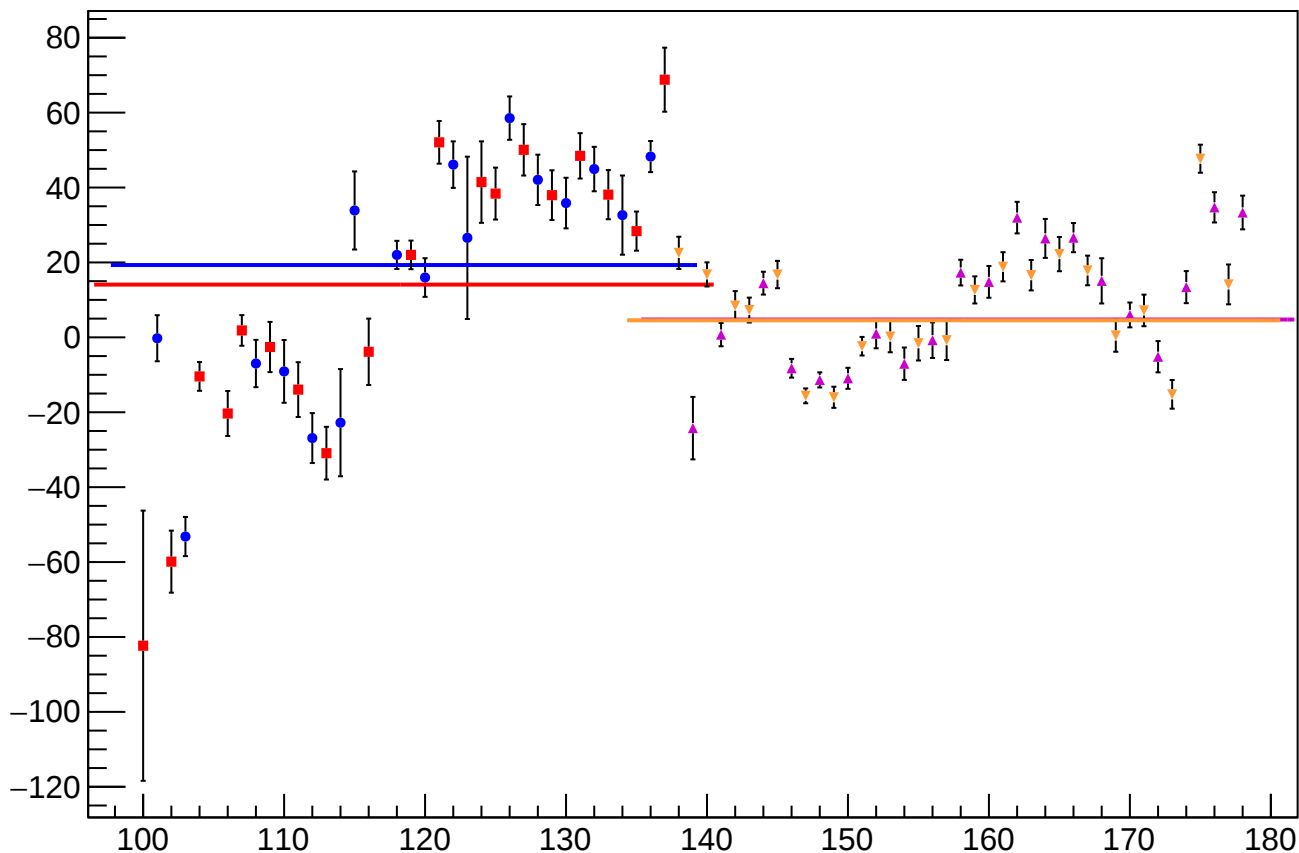
Left In: 183.123+/-1.100 χ^2/NDF :1244.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 182.902+/-0.775 χ^2/NDF : 2556.2/40

- 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: 4.556 ± 0.775 χ^2/NDF : 430.0/20

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

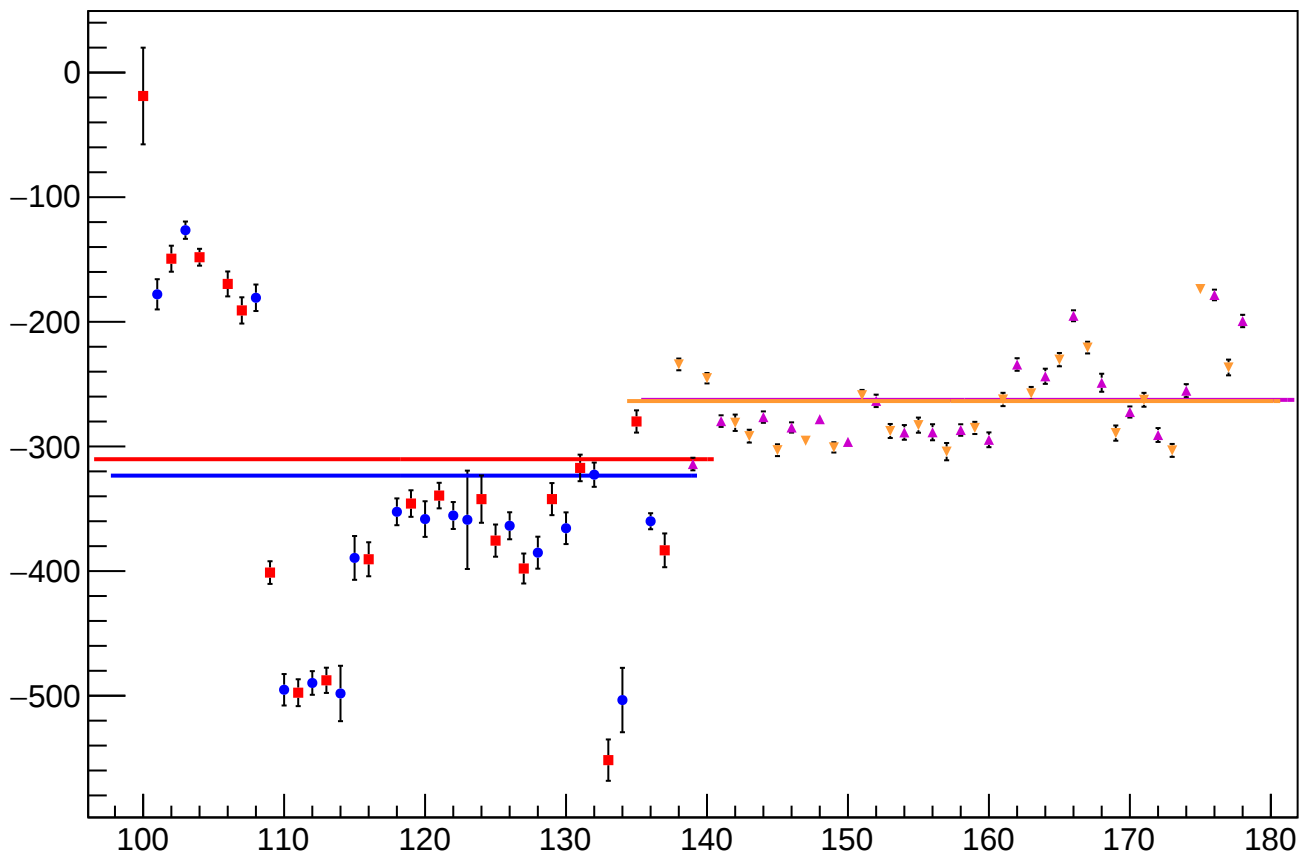
Left In: 4.757 ± 0.800 χ^2/NDF : 373.5/19

+ sign 7.665 ± 0.689 χ^2/NDF : 947.5/37

All: 7.375 ± 0.489 χ^2/NDF : 1792.1/76

- sign 7.080 ± 0.694 χ^2/NDF : 844.2/38

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -263.580 ± 1.086 $\chi^2/\text{NDF}: 1146.1/20$

Right Out: -310.236 ± 2.523 $\chi^2/\text{NDF}: 2298.8/18$

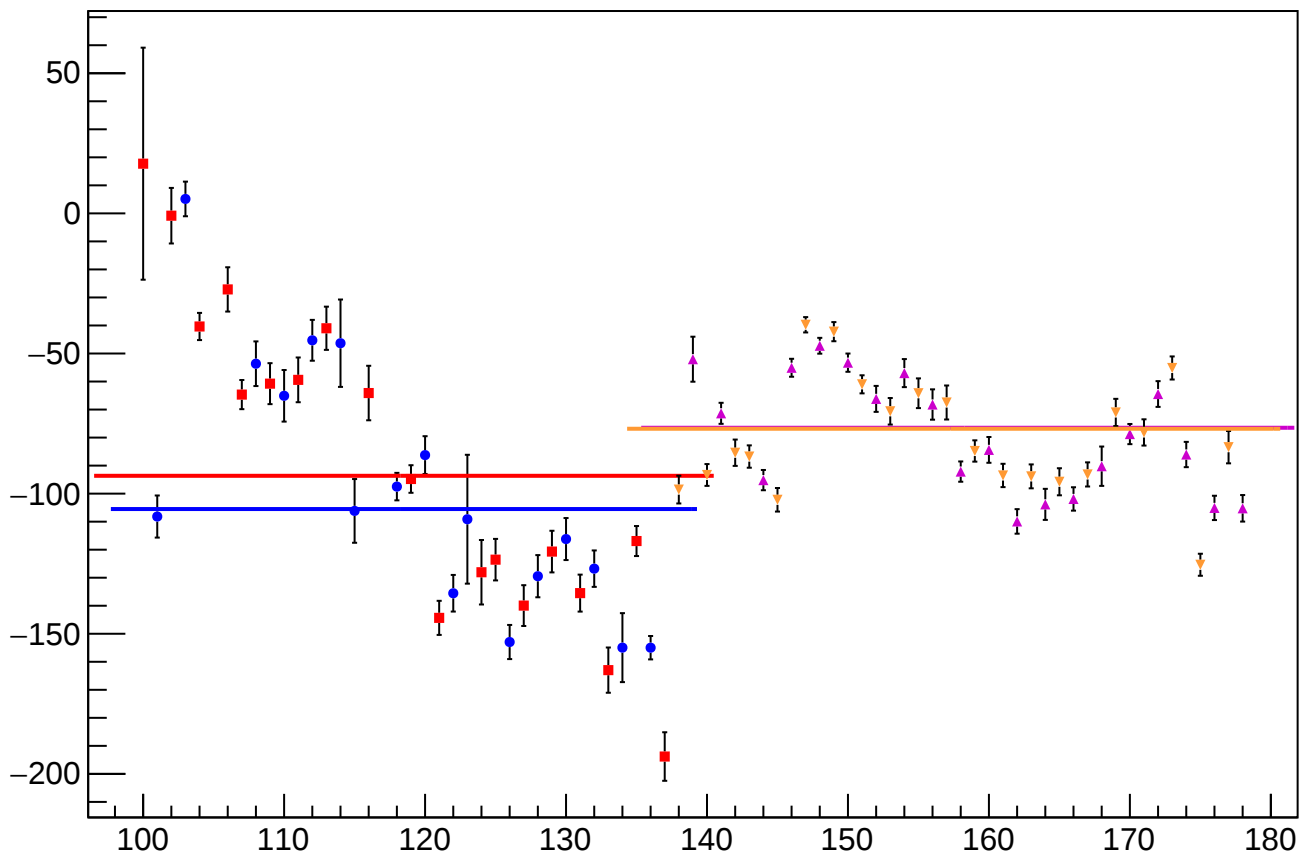
Left In: -262.620 ± 1.088 $\chi^2/\text{NDF}: 1207.8/19$

+ sign -271.998 ± 1.007 $\chi^2/\text{NDF}: 3422.6/37$

All: -271.033 ± 0.709 $\chi^2/\text{NDF}: 7231.3/76$

- sign -270.083 ± 0.999 $\chi^2/\text{NDF}: 3806.9/38$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496±/1.712 χ^2/NDF : 737.3/16

Left Out: -76.847±/0.907 χ^2/NDF : 652.6/20

Right Out: -93.637±/1.610 χ^2/NDF : 827.1/18

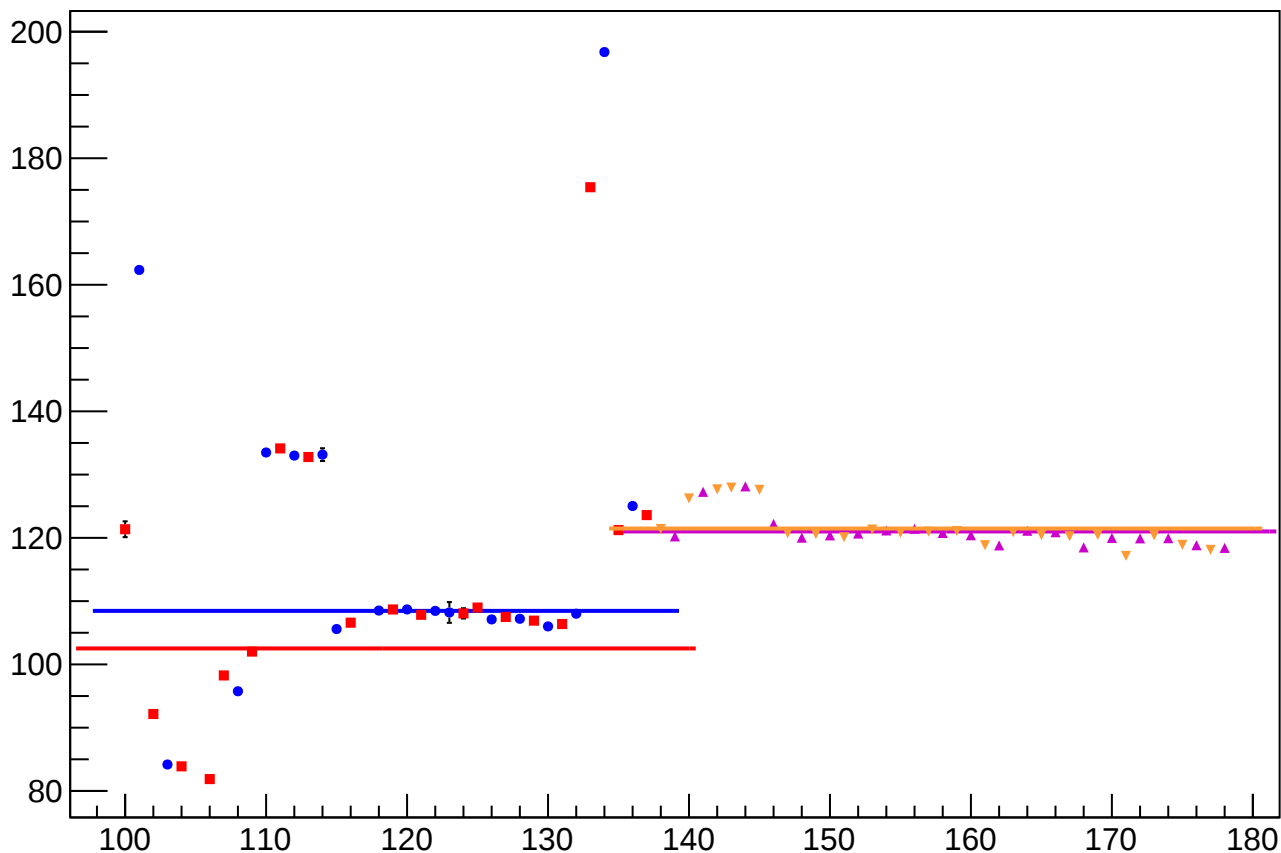
Left In: -76.496±/0.929 χ^2/NDF : 500.6/19

+ sign -83.129±/0.802 χ^2/NDF : 1608.5/37

All: -81.957±/0.568 χ^2/NDF : 3025.6/76

- sign -80.777±/0.805 χ^2/NDF : 1412.7/38

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 ± 0.085 $\chi^2/\text{NDF}: 73301.9/16$

Left Out: 121.478 ± 0.044 $\chi^2/\text{NDF}: 4544.5/20$

Right Out: 102.521 ± 0.080 $\chi^2/\text{NDF}: 52992.1/18$

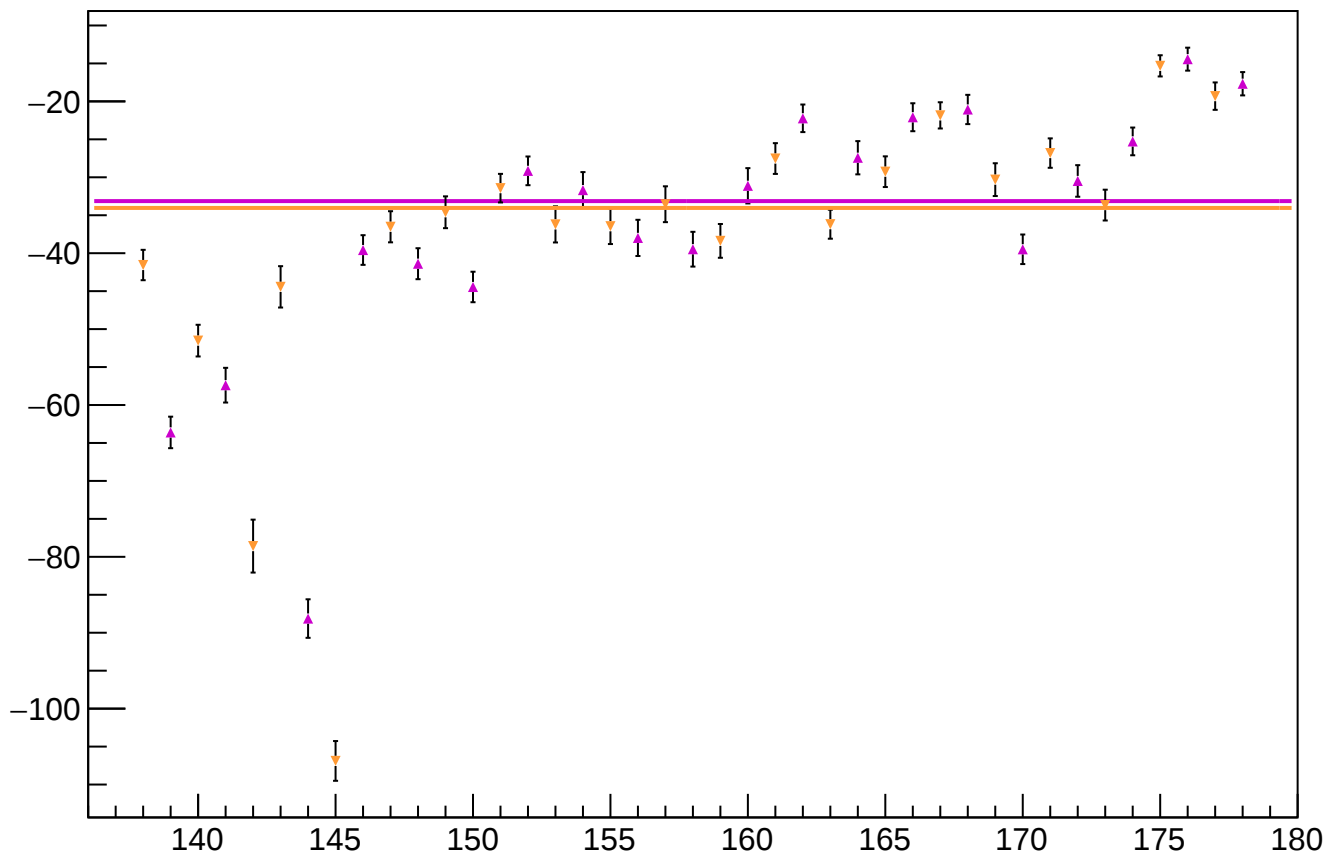
Left In: 121.014 ± 0.043 $\chi^2/\text{NDF}: 3067.8/19$

+ sign 118.770 ± 0.039 $\chi^2/\text{NDF}: 96424.0/37$

All: 117.749 ± 0.027 $\chi^2/\text{NDF}: 195457.1/76$

- sign 116.759 ± 0.038 $\chi^2/\text{NDF}: 97666.1/38$

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -34.037+/-0.449 χ^2/NDF :1375.0/20

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

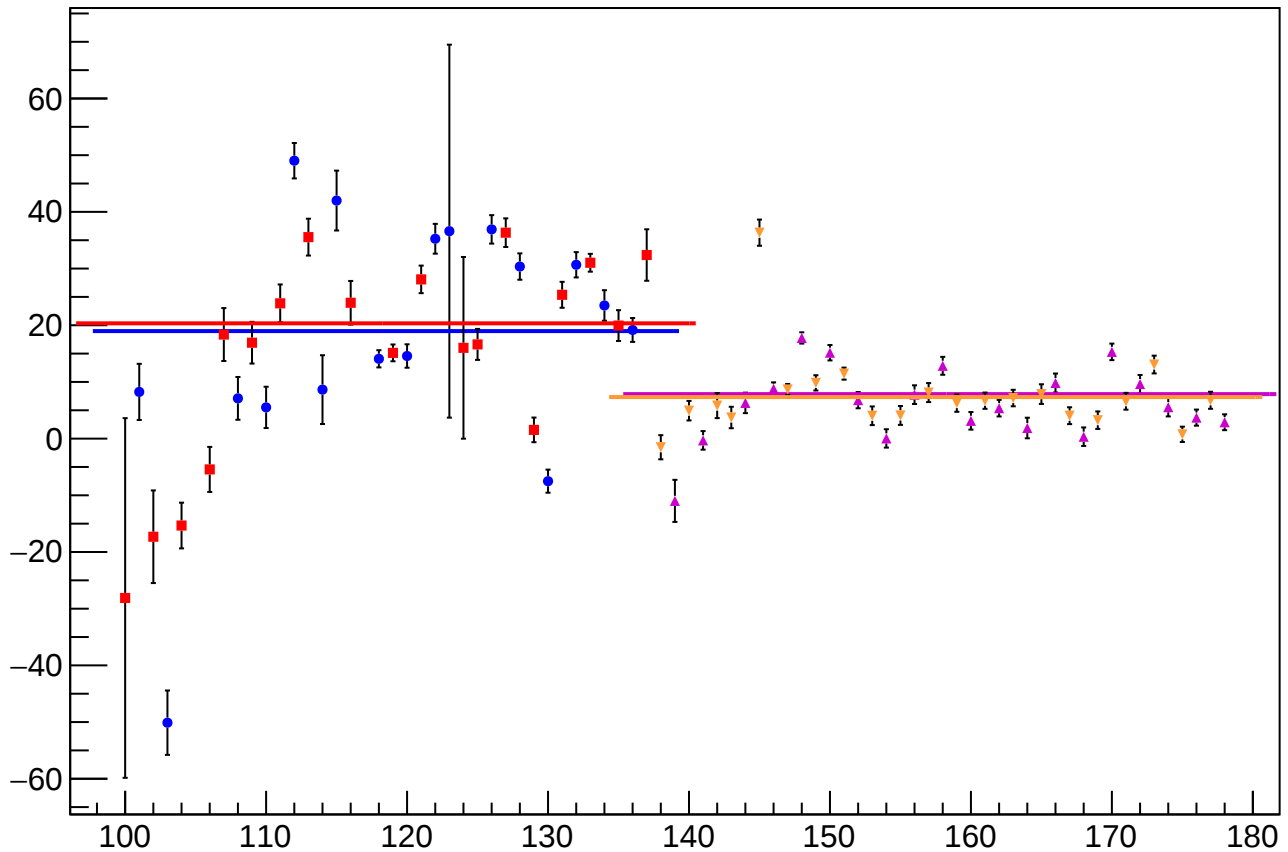
Left In: -33.137+/-0.444 χ^2/NDF :1276.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -33.583+/-0.316 χ^2/NDF : 2653.9/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 7.331 ± 0.329 χ^2/NDF : 259.4/20

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

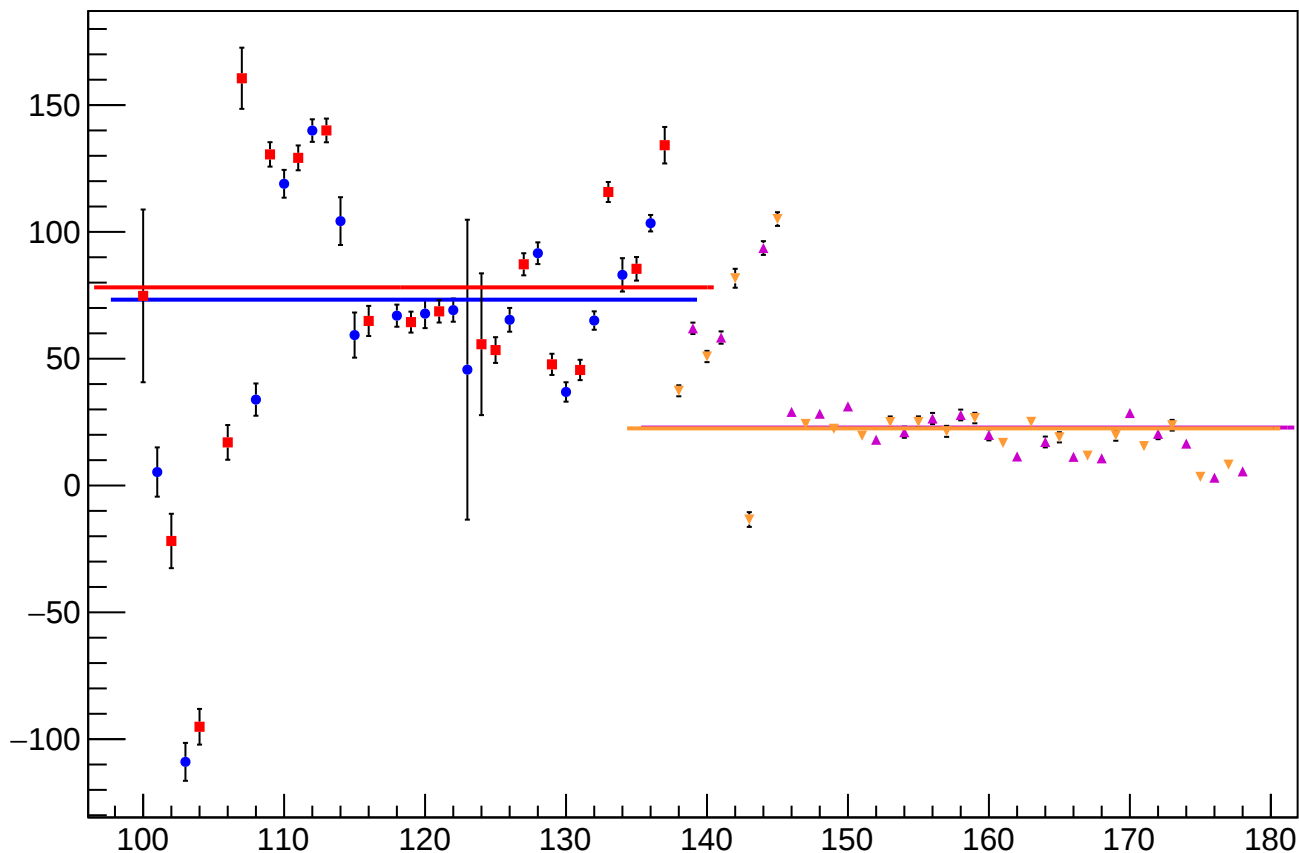
Left In: 7.850 ± 0.336 χ^2/NDF : 310.4/19

+ sign 9.688 ± 0.294 χ^2/NDF : 1131.2/37

All: 10.103 ± 0.209 χ^2/NDF : 2109.0/76

- sign 10.528 ± 0.297 χ^2/NDF : 973.8/38

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 22.528 $\pm$ 0.443 χ^2 /NDF:1872.2/20

Right Out: 78.130 $\pm$ 1.223 χ^2 /NDF: 1543.3/18

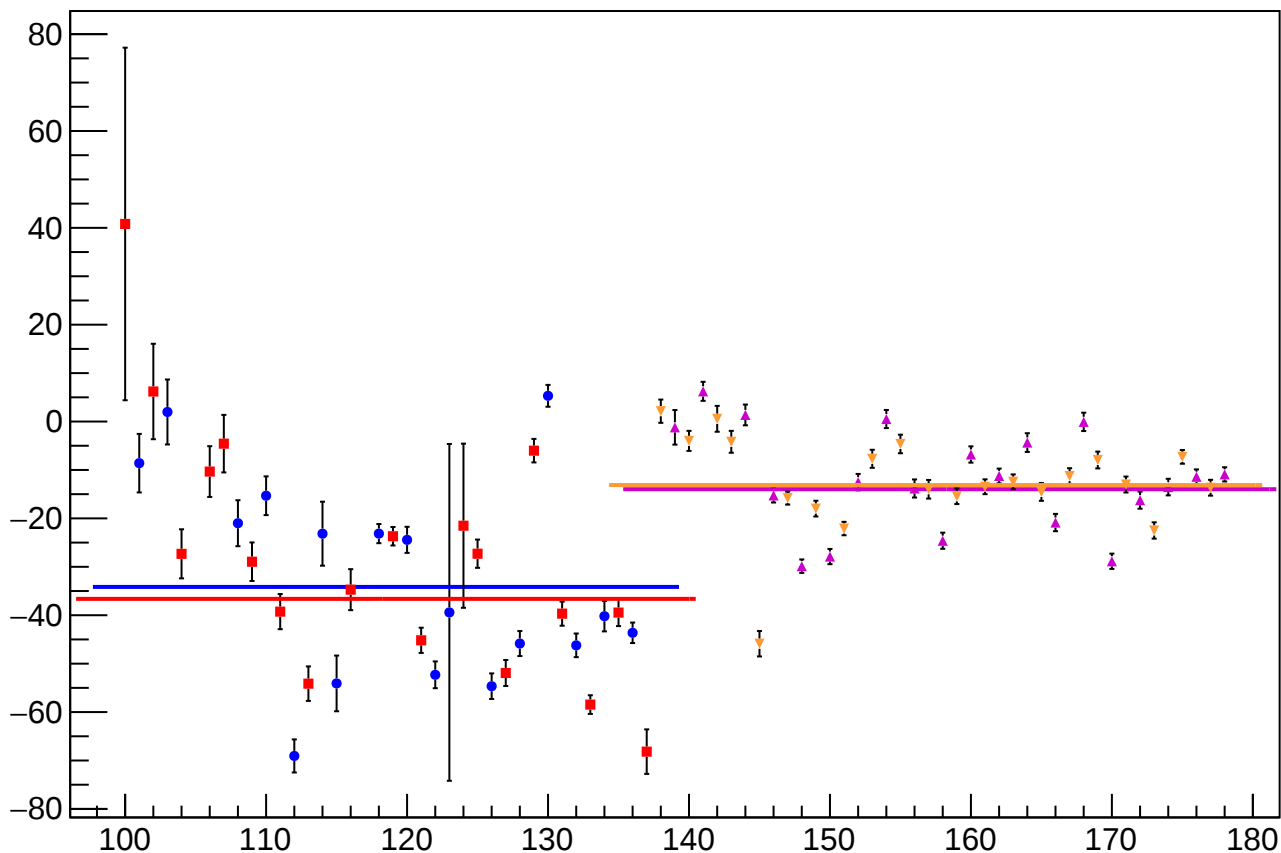
Left In: 22.852 $\pm$ 0.438 χ^2 /NDF:1701.1/19

+ sign 28.302 $\pm$ 0.417 χ^2 /NDF: 4563.8/37

All: 28.728 $\pm$ 0.293 χ^2 /NDF: 9622.0/76

- sign 29.145 $\pm$ 0.412 χ^2 /NDF: 5056.2/38

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.116 ± 0.377 χ^2/NDF : 401.1/20

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

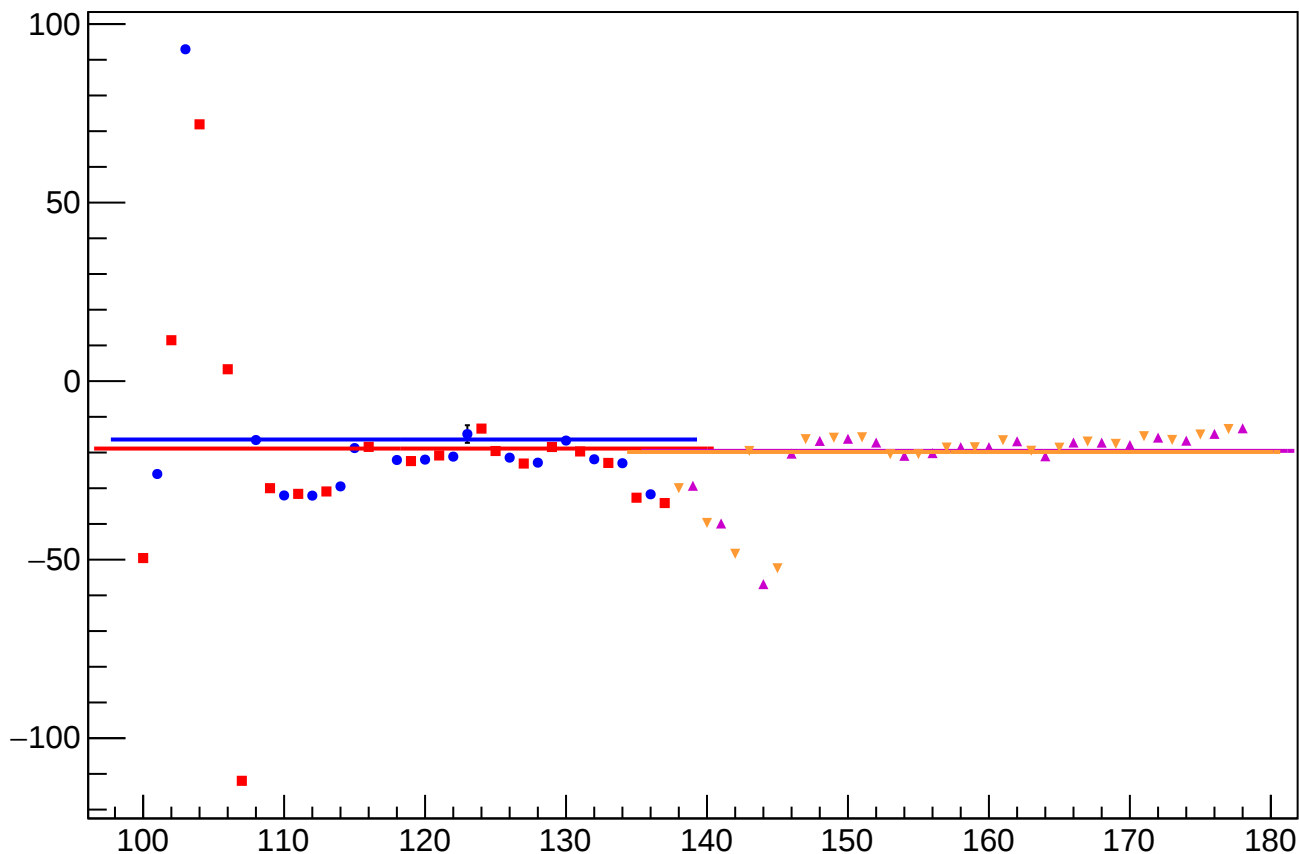
Left In: -13.979 ± 0.383 χ^2/NDF : 693.4/19

+ sign -17.415 ± 0.337 χ^2/NDF : 1753.2/37

All: -18.101 ± 0.239 χ^2/NDF : 3747.3/76

- sign -18.798 ± 0.339 χ^2/NDF : 1985.7/38

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -19.841 ± 0.017 $\chi^2/\text{NDF}: 217311.5/20$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

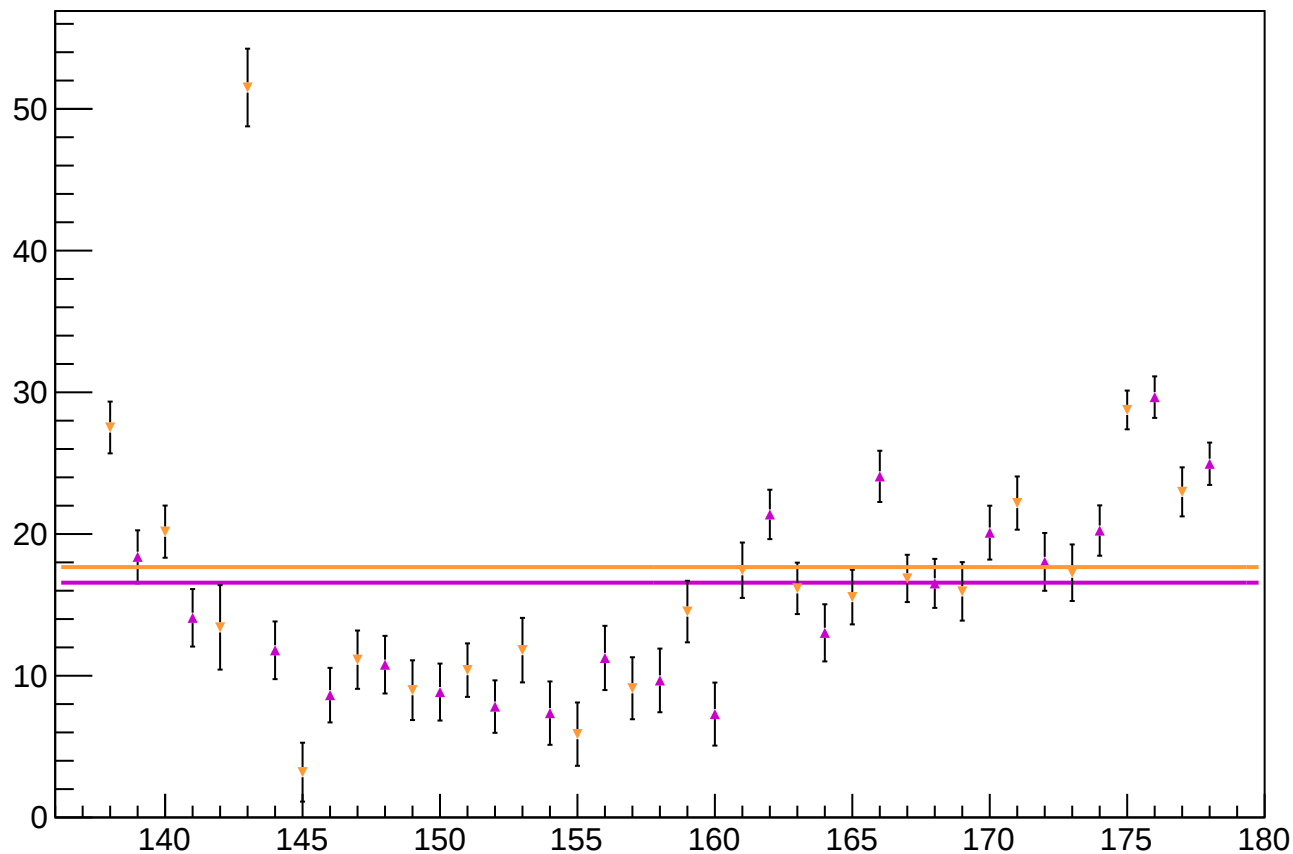
Left In: -19.533 ± 0.017 $\chi^2/\text{NDF}: 182706.8/19$

+ sign -19.376 ± 0.016 $\chi^2/\text{NDF}: 696807.8/37$

All: -19.413 ± 0.011 $\chi^2/\text{NDF}: 1313496.4/76$

- sign -19.450 ± 0.016 $\chi^2/\text{NDF}: 616678.2/38$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 17.667 $\pm$ 0.428 χ^2/NDF :411.4/20

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

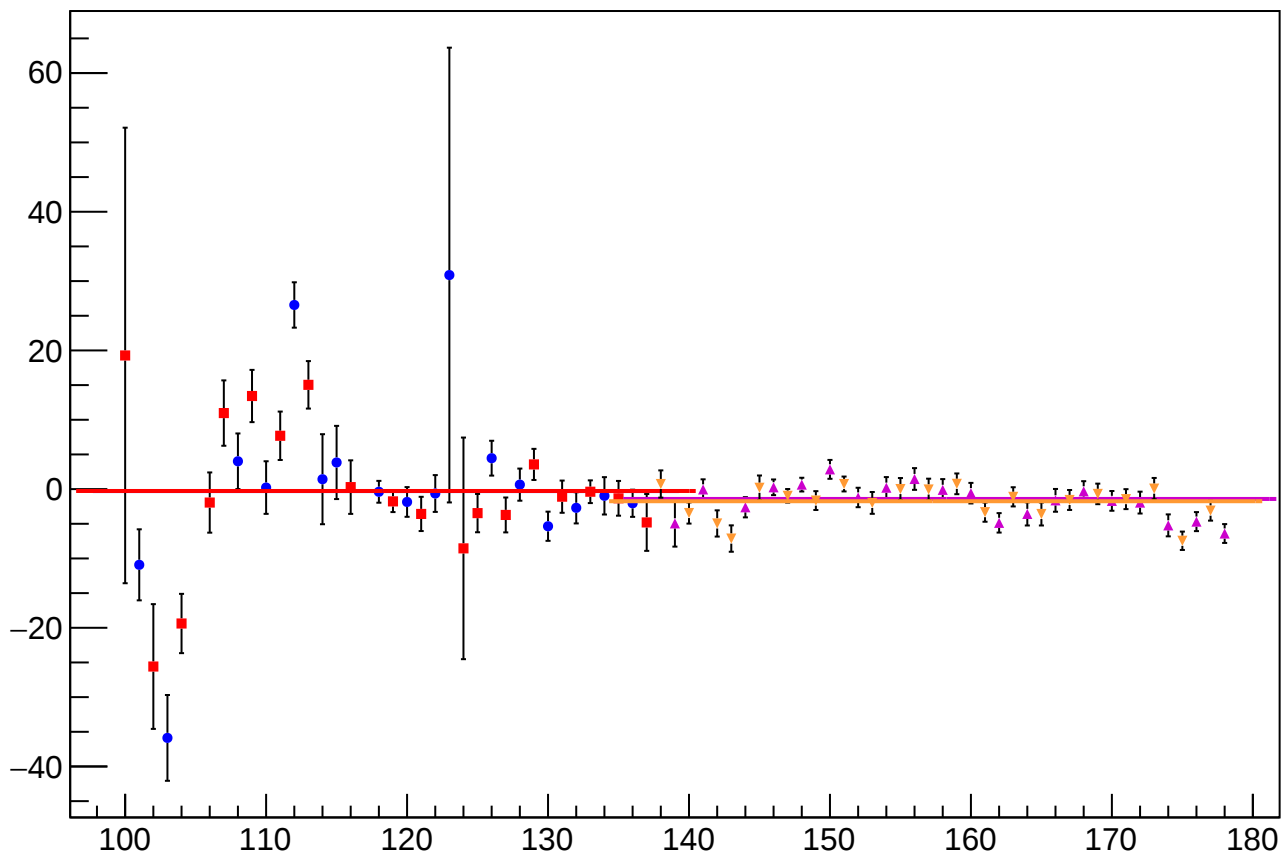
Left In: 16.568 $\pm$ 0.423 χ^2/NDF :267.1/19

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

All: 17.111 $\pm$ 0.301 χ^2/NDF : 681.8/40

- sign 0.000 $\pm$ 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: -1.745 ± 0.316 χ^2/NDF : 50.3/20

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

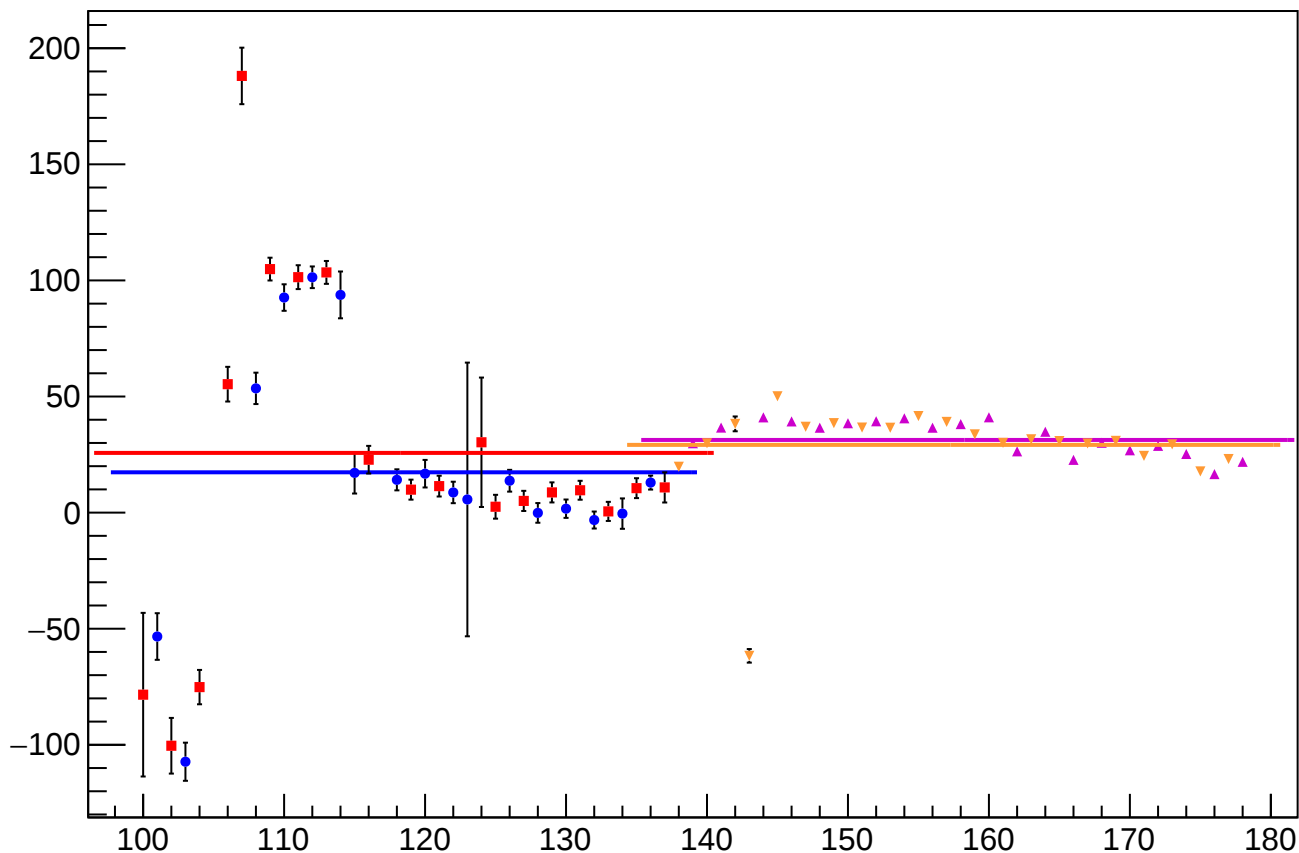
Left In: -1.419 ± 0.322 χ^2/NDF : 58.0/19

+ sign -1.473 ± 0.286 χ^2/NDF : 173.8/37

All: -1.336 ± 0.203 χ^2/NDF : 317.9/76

- sign -1.196 ± 0.289 χ^2/NDF : 143.6/38

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 29.172+/-0.424 χ^2/NDF : 1312.3/20

Right Out: 25.717+/-1.243 χ^2/NDF : 1378.8/18

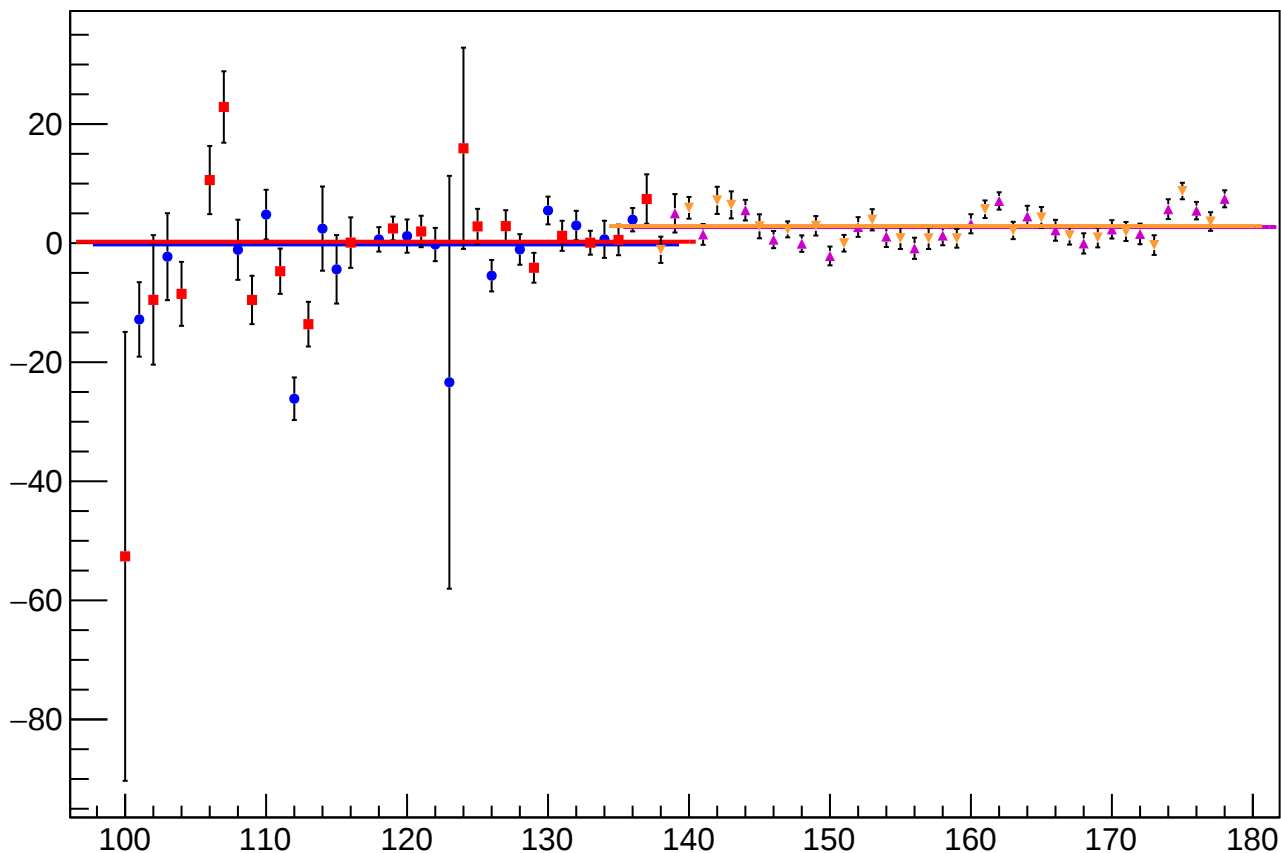
Left In: 31.296+/-0.419 χ^2/NDF : 341.7/19

+ sign 27.949+/-0.401 χ^2/NDF : 2335.8/37

All: 29.354+/-0.282 χ^2/NDF : 4098.6/76

- sign 30.728+/-0.397 χ^2/NDF : 1738.6/38

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.871 ± 0.362 χ^2/NDF : 50.5/20

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

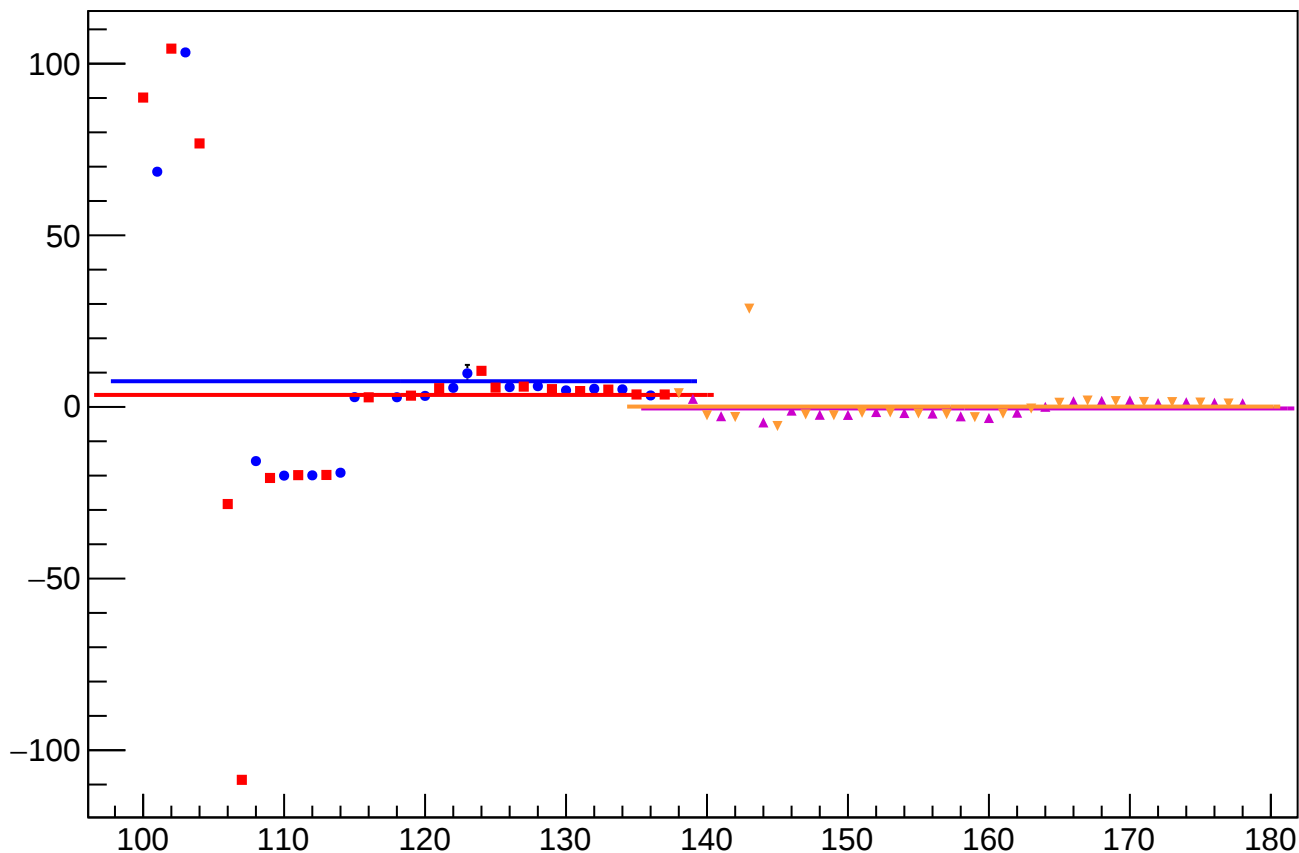
Left In: 2.707 ± 0.366 χ^2/NDF : 56.1/19

+ sign 2.290 ± 0.326 χ^2/NDF : 140.0/37

All: 2.260 ± 0.232 χ^2/NDF : 259.4/76

- sign 2.230 ± 0.329 χ^2/NDF : 119.4/38

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: 0.108 ± 0.017 $\chi^2/\text{NDF}: 77413.0/20$

Right Out: 3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.4/18$

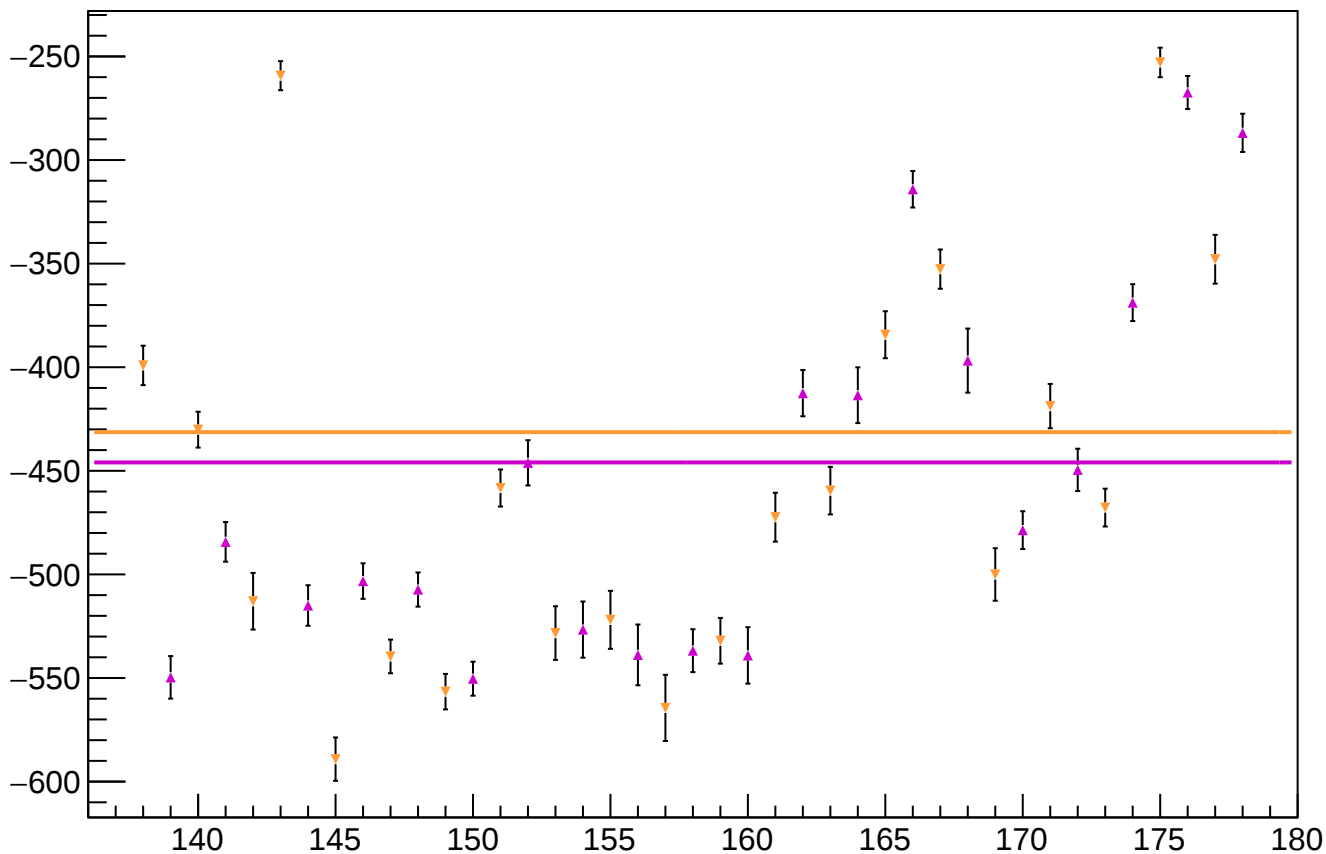
Left In: -0.438 ± 0.017 $\chi^2/\text{NDF}: 14129.4/19$

+ sign 1.014 ± 0.016 $\chi^2/\text{NDF}: 457399.7/37$

All: 0.514 ± 0.011 $\chi^2/\text{NDF}: 990740.2/76$

- sign 0.020 ± 0.016 $\chi^2/\text{NDF}: 531306.6/38$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -431.327+/-2.175 χ^2/NDF : 2356.2/20

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

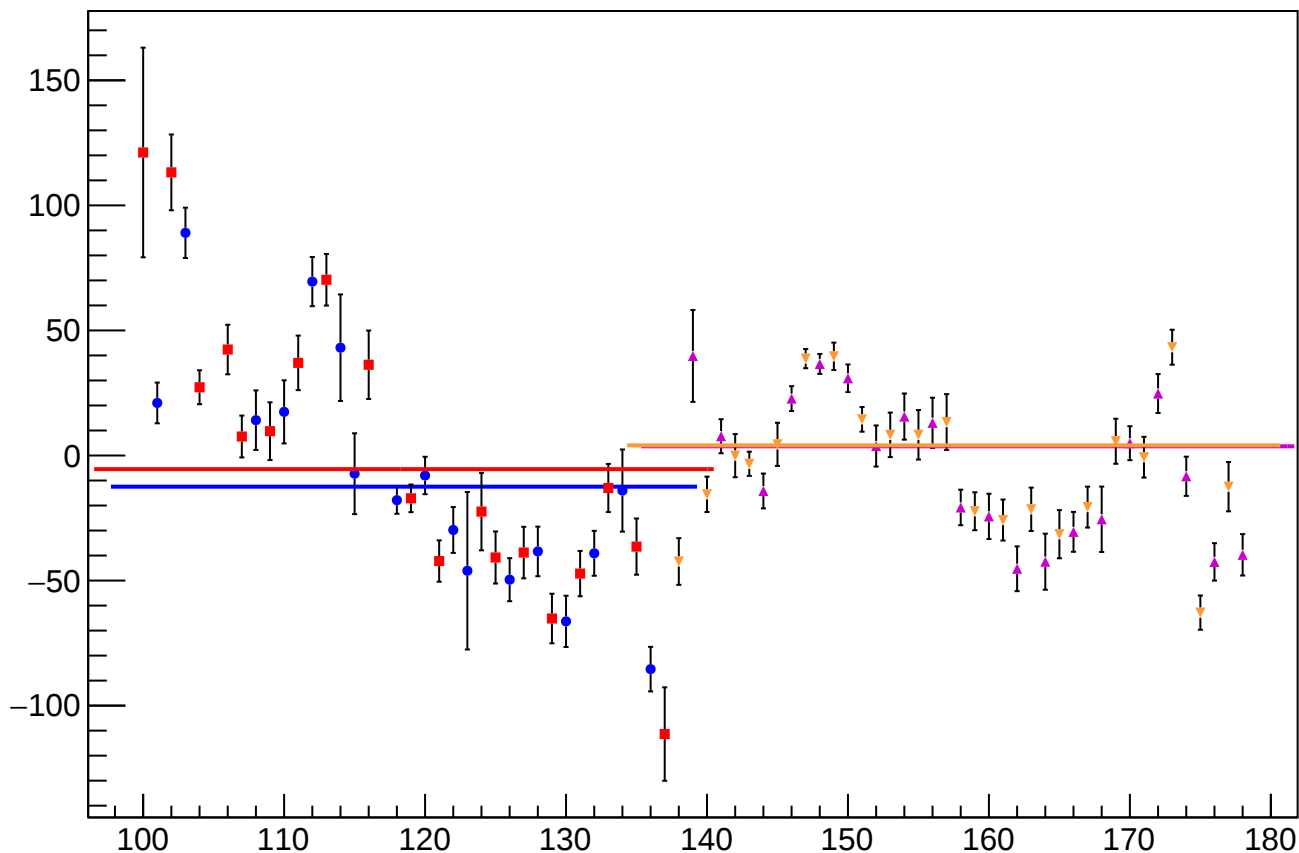
Left In: -445.947+/-2.238 χ^2/NDF : 1767.0/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -438.430+/-1.560 χ^2/NDF : 4145.2/40

- 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: 4.062 ± 1.534 χ^2/NDF : 350.9/20

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

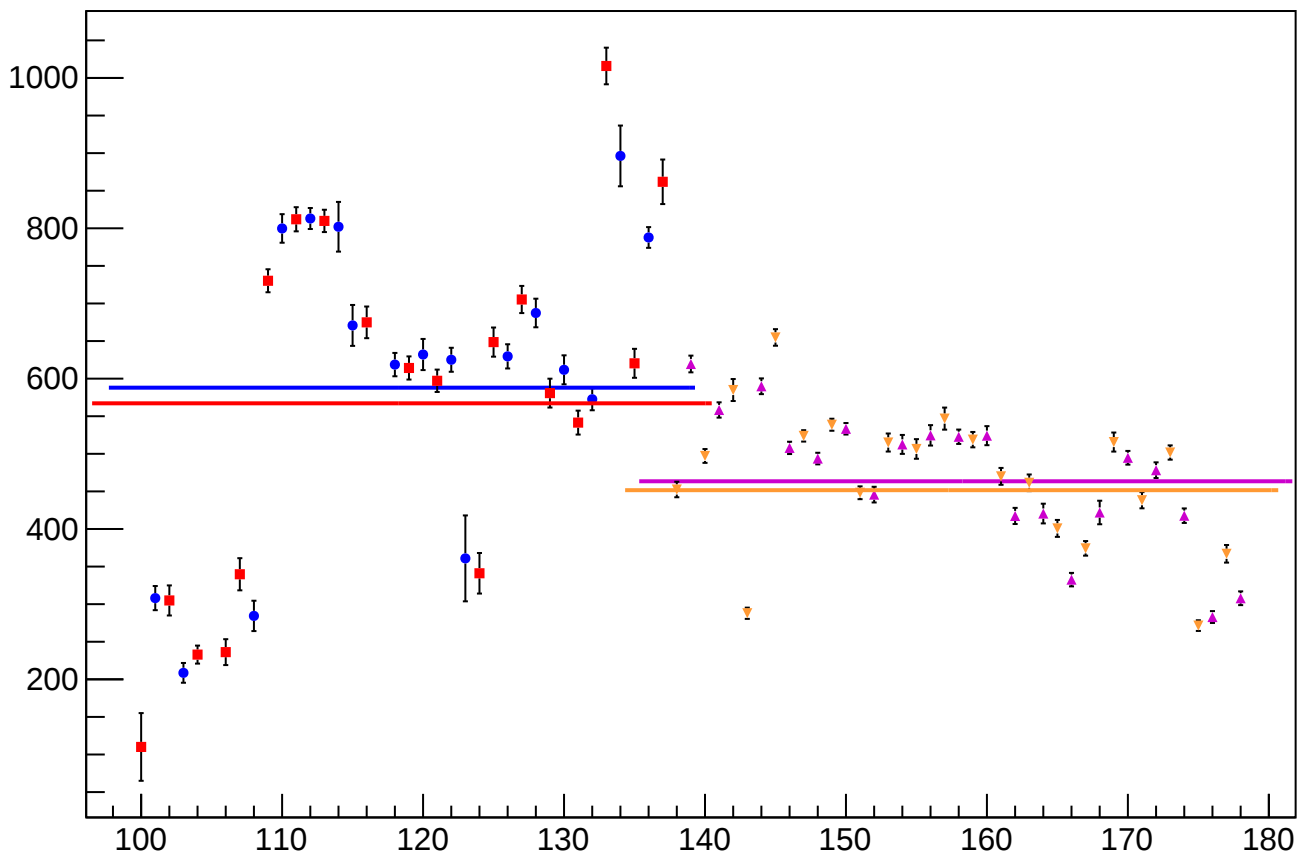
Left In: 3.677 ± 1.625 χ^2/NDF : 287.3/19

+ sign -0.879 ± 1.284 χ^2/NDF : 726.6/37

All: -0.178 ± 0.920 χ^2/NDF : 1370.3/76

- sign 0.562 ± 1.319 χ^2/NDF : 643.0/38

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 ± 4.353 $\chi^2/\text{NDF}: 2129.6/16$

Left Out: 451.622 ± 2.165 $\chi^2/\text{NDF}: 2101.2/20$

Right Out: 567.179 ± 4.136 $\chi^2/\text{NDF}: 2783.2/18$

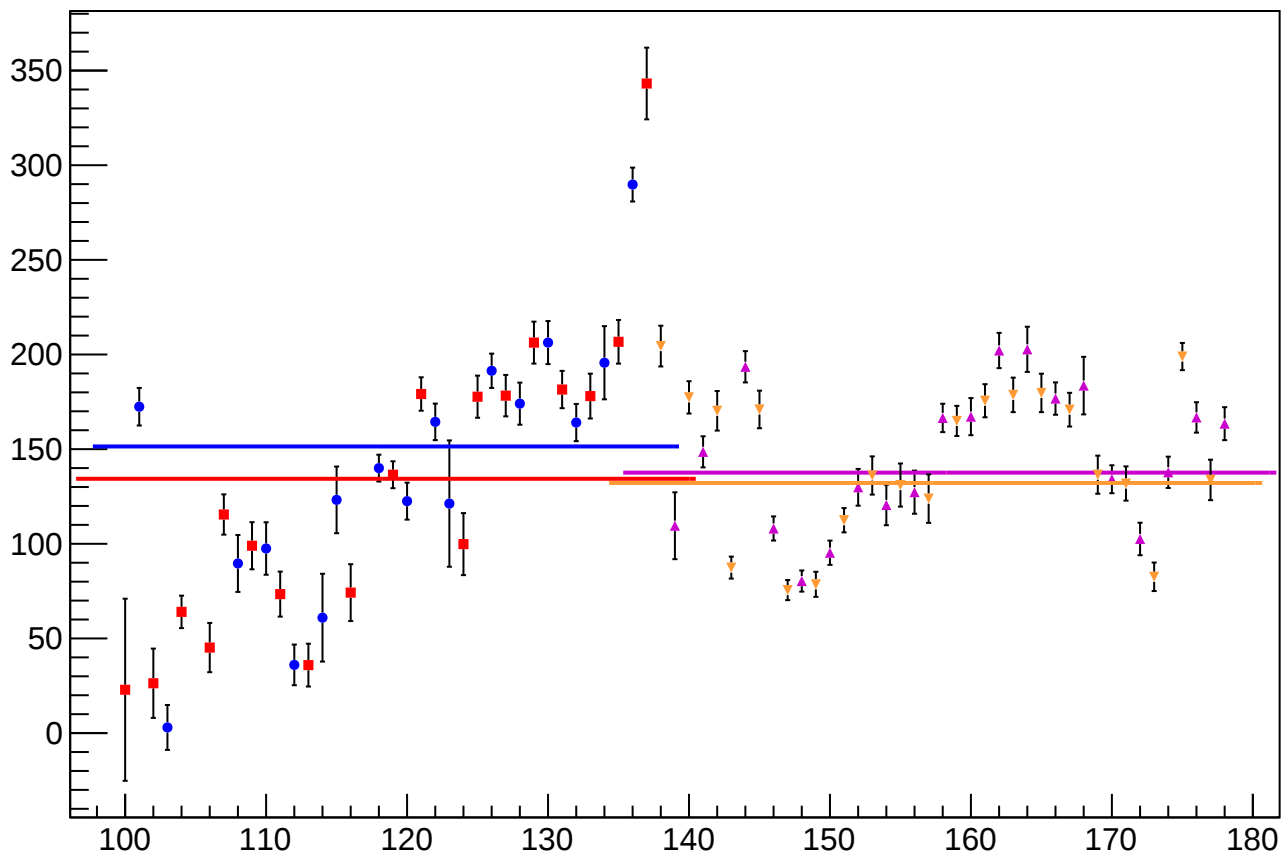
Left In: 463.471 ± 2.211 $\chi^2/\text{NDF}: 1756.2/19$

+ sign 478.675 ± 1.939 $\chi^2/\text{NDF}: 5017.7/37$

All: 482.574 ± 1.375 $\chi^2/\text{NDF}: 10054.2/76$

- sign 486.519 ± 1.950 $\chi^2/\text{NDF}: 5028.4/38$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 ± 2.709 χ^2/NDF : 633.3/16

Left Out: 132.135 ± 1.800 χ^2/NDF : 588.6/20

Right Out: 134.346 ± 2.616 χ^2/NDF : 584.9/18

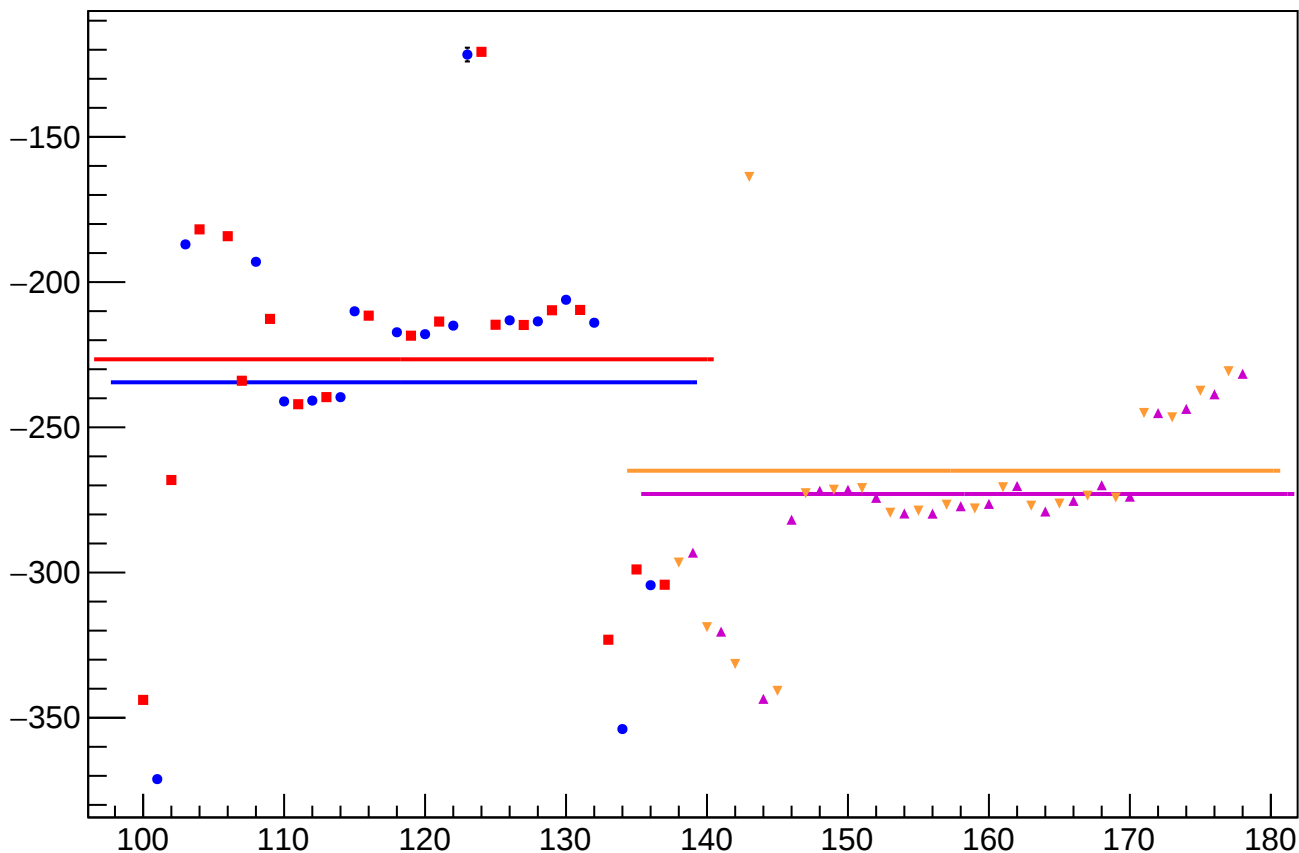
Left In: 137.594 ± 1.887 χ^2/NDF : 395.1/19

+ sign 138.042 ± 1.499 χ^2/NDF : 1257.1/37

All: 137.278 ± 1.071 χ^2/NDF : 2238.6/76

- sign 136.482 ± 1.530 χ^2/NDF : 981.0/38

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501 ± 0.149 χ^2/NDF : 145046.5/16

Left Out: -264.944 ± 0.087 χ^2/NDF : 205077.5/20

Right Out: -226.581 ± 0.141 χ^2/NDF : 98968.8/18

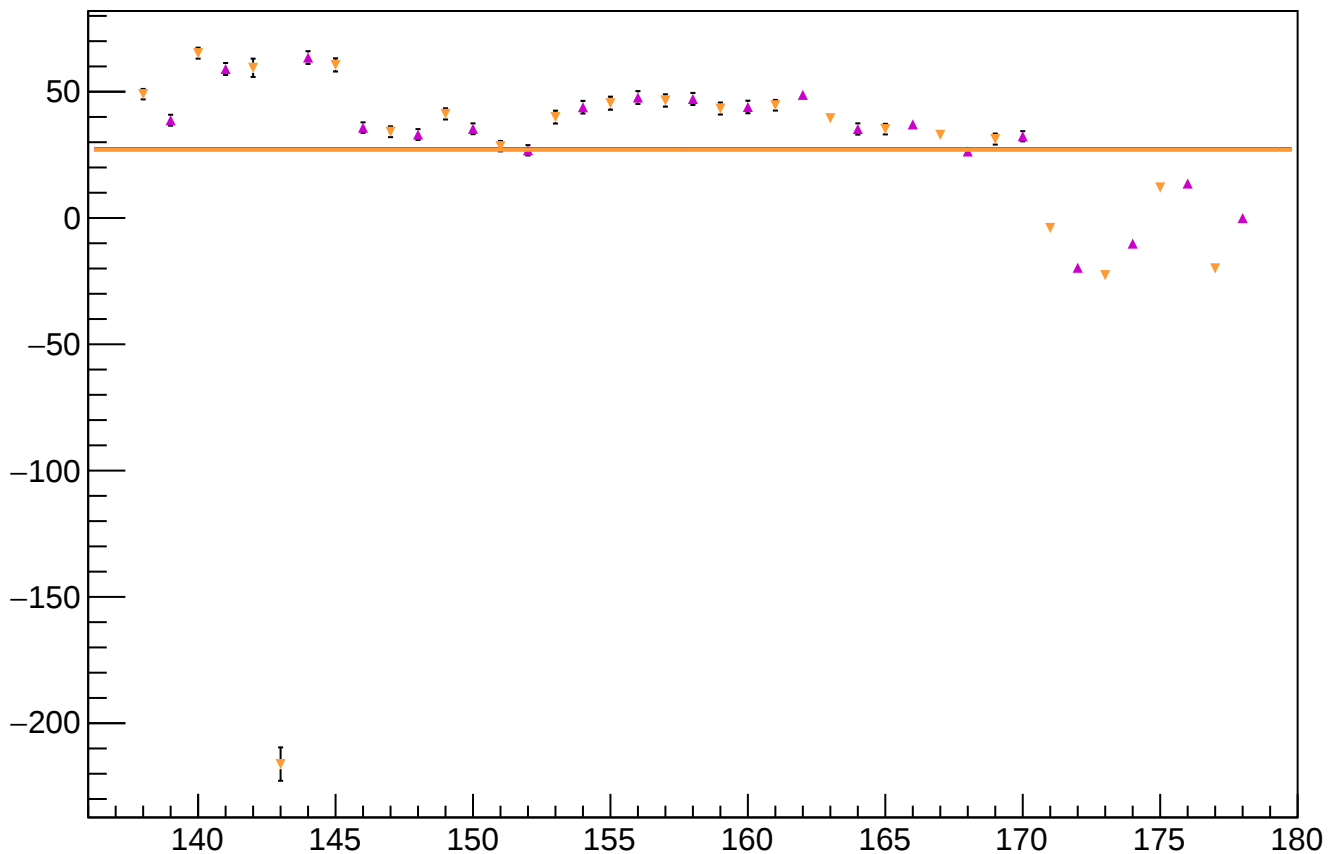
Left In: -272.951 ± 0.089 χ^2/NDF : 72113.5/19

+ sign -257.174 ± 0.075 χ^2/NDF : 381202.2/37

All: -258.518 ± 0.053 χ^2/NDF : 630088.7/76

- sign -259.858 ± 0.075 χ^2/NDF : 248249.9/38

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 27.015+/-0.469 χ^2/NDF : 4048.5/20

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

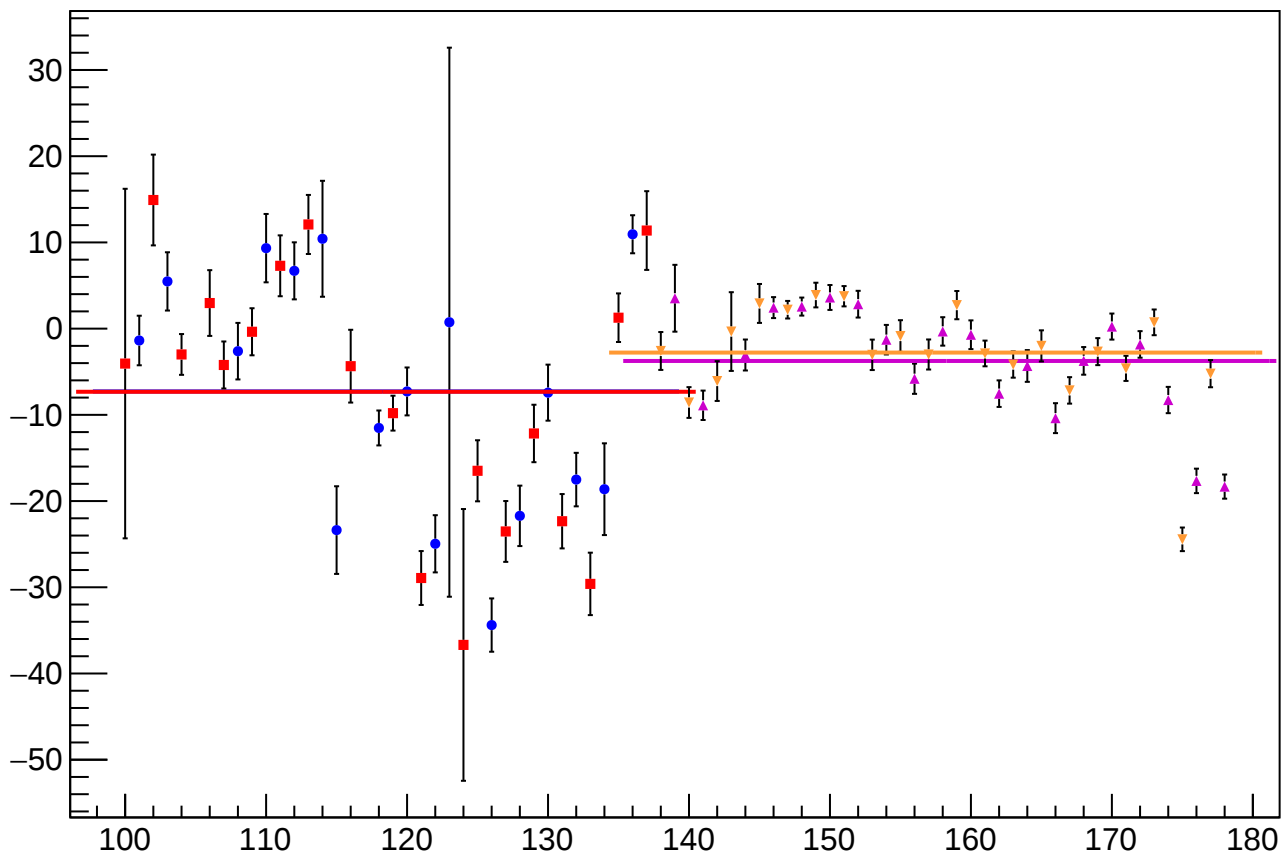
Left In: 27.248+/-0.456 χ^2/NDF : 2263.8/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 27.135+/-0.327 χ^2/NDF : 6312.4/40

- 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: -2.777 ± 0.347 χ^2/NDF : 377.1/20

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

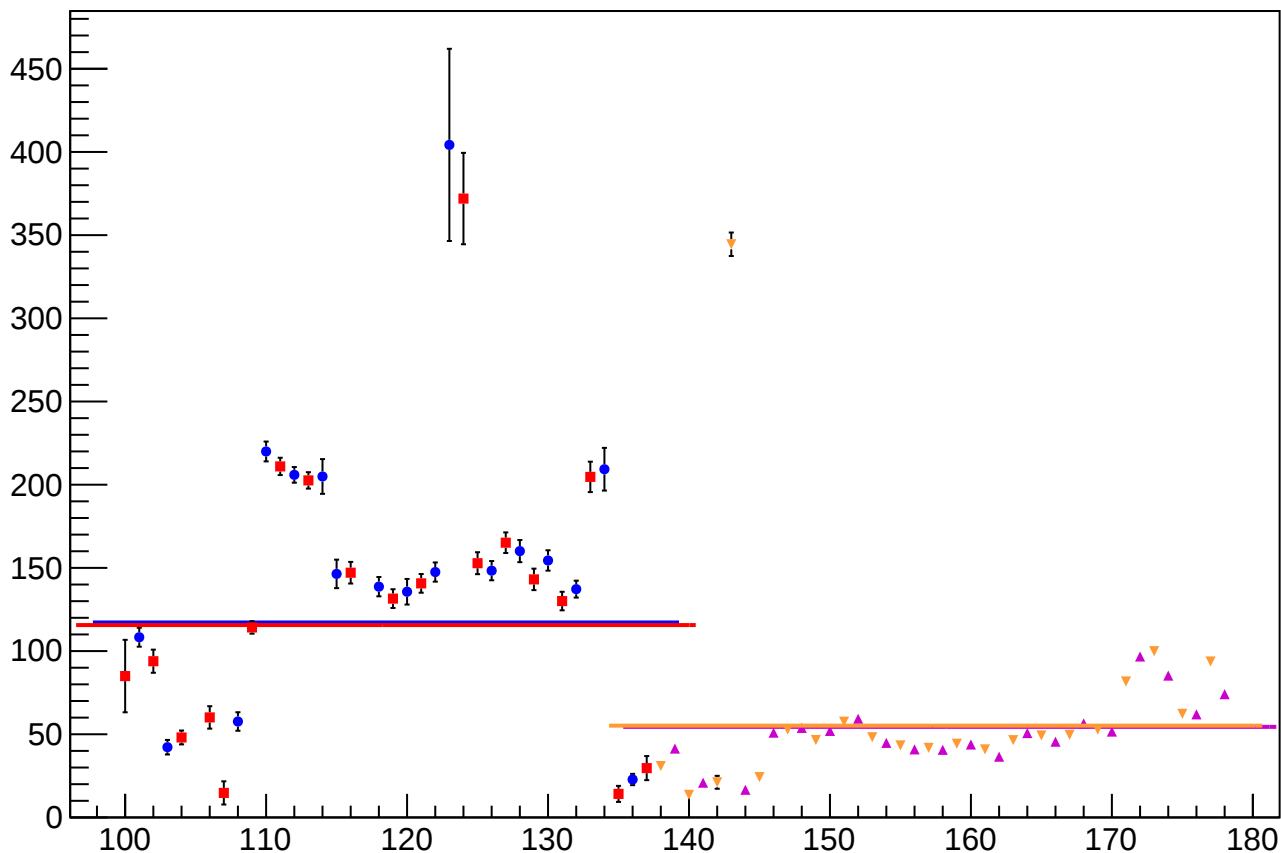
Left In: -3.750 ± 0.346 χ^2/NDF : 372.5/19

+ sign -3.507 ± 0.317 χ^2/NDF : 687.7/37

All: -3.938 ± 0.224 χ^2/NDF : 1337.4/76

- sign -4.364 ± 0.315 χ^2/NDF : 646.1/38

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 $\pm$ 1.416 χ^2 /NDF: 2161.0/16

Left Out: 55.181 $\pm$ 0.464 χ^2 /NDF:3657.8/20

Right Out: 115.632 $\pm$ 1.361 χ^2 /NDF: 2137.6/18

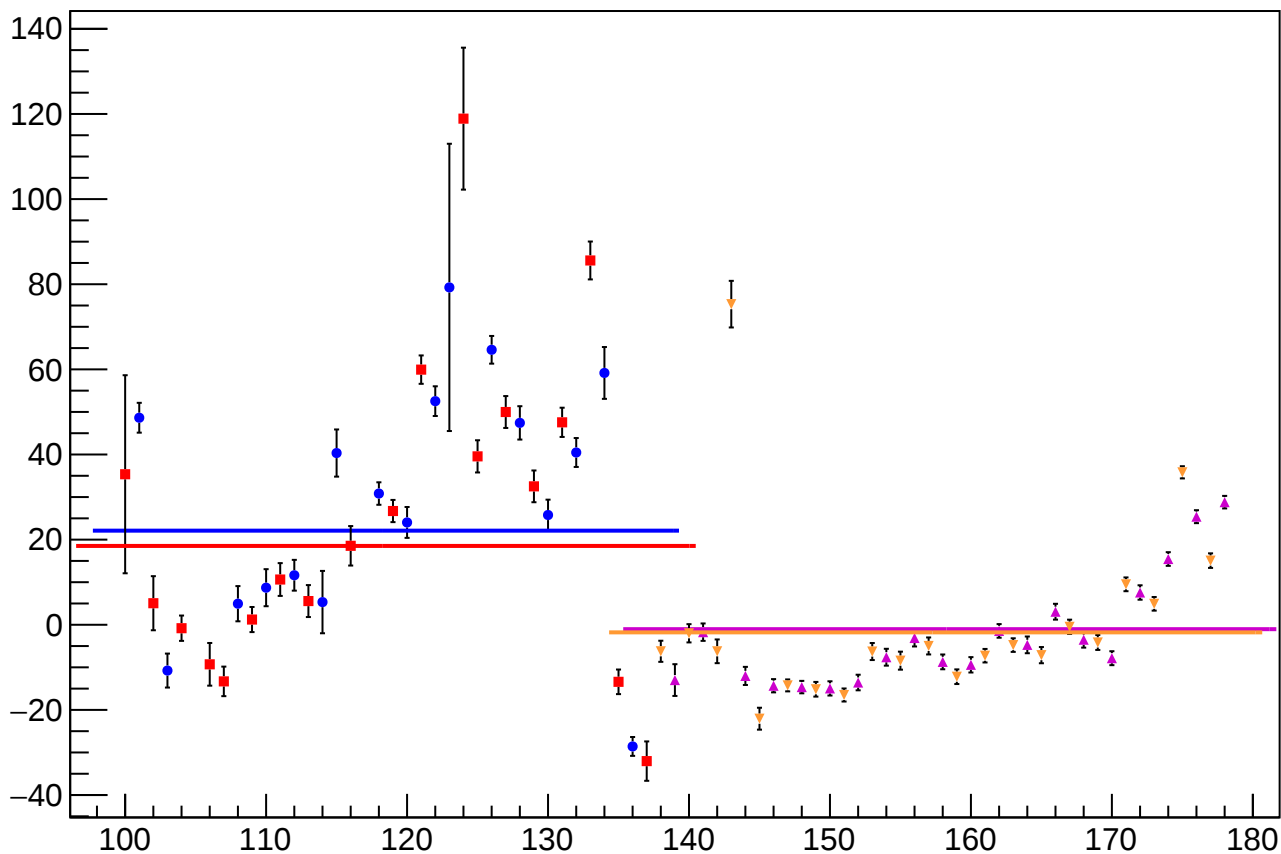
Left In: 54.447 $\pm$ 0.451 χ^2 /NDF:1538.3/19

+ sign 61.187 $\pm$ 0.441 χ^2 /NDF: 7549.8/37

All: 60.828 $\pm$ 0.307 χ^2 /NDF: 13048.3/76

- sign 60.491 $\pm$ 0.428 χ^2 /NDF: 5497.2/38

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -1.784 $\pm$ 0.396 χ^2 /NDF:1427.7/20

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

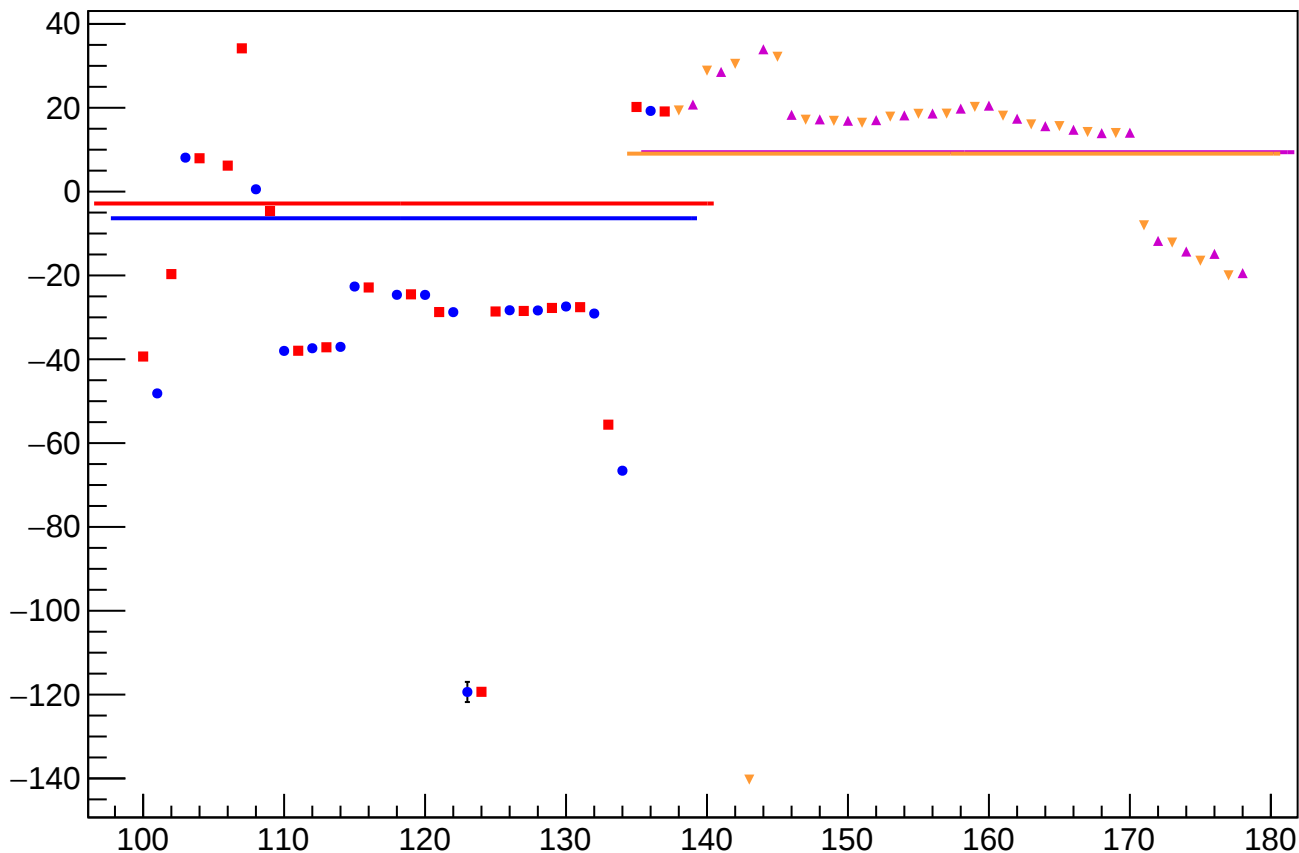
Left In: -1.035 $\pm$ 0.394 χ^2 /NDF:1234.6/19

+ sign 2.111 $\pm$ 0.363 χ^2 /NDF: 3090.3/37

All: 2.200 $\pm$ 0.255 χ^2 /NDF: 5811.9/76

- sign 2.288 $\pm$ 0.359 χ^2 /NDF: 2721.4/38

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 9.058 ± 0.018 $\chi^2/\text{NDF}: 961149.2/20$

Right Out: -2.837 ± 0.046 $\chi^2/\text{NDF}: 265573.0/18$

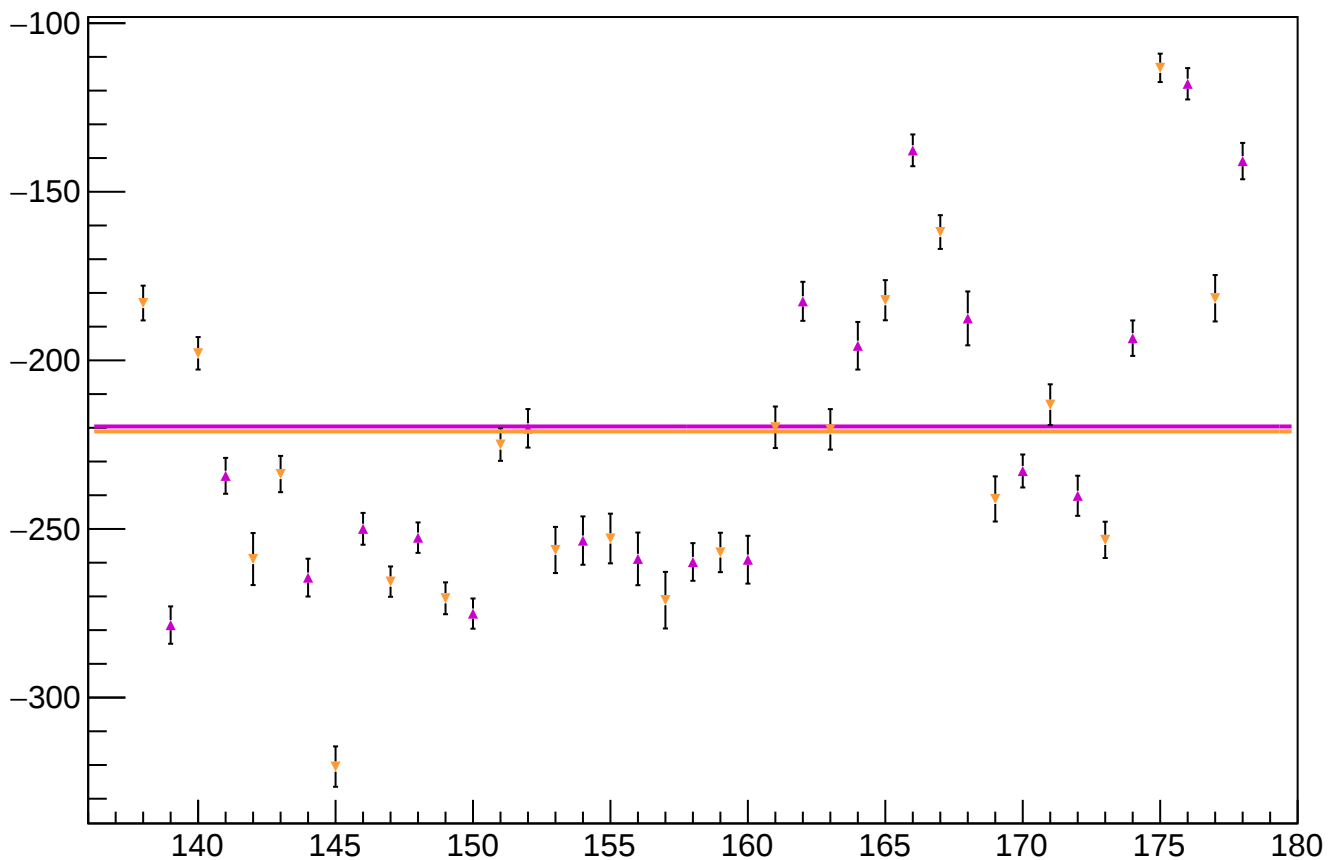
Left In: 9.401 ± 0.018 $\chi^2/\text{NDF}: 726857.5/19$

+ sign 6.975 ± 0.017 $\chi^2/\text{NDF}: 1321747.9/37$

All: 7.388 ± 0.012 $\chi^2/\text{NDF}: 2377435.4/76$

- sign 7.783 ± 0.017 $\chi^2/\text{NDF}: 1054535.1/38$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -221.070+/-1.227 χ^2/NDF :1628.2/20

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

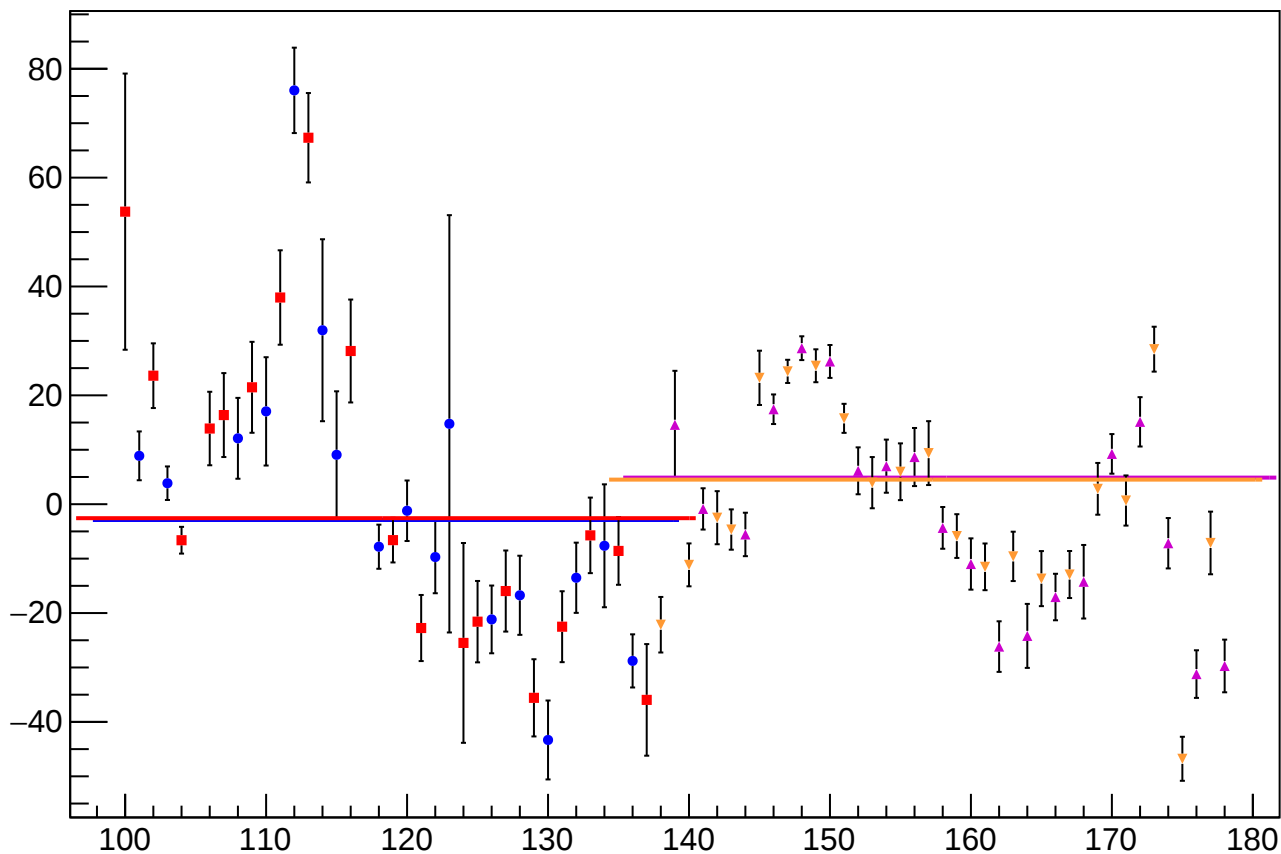
Left In: -219.603+/-1.231 χ^2/NDF :1668.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -220.339+/-0.869 χ^2/NDF : 3297.4/40

- 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: 4.515 ± 0.864 χ^2/NDF : 477.9/20

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

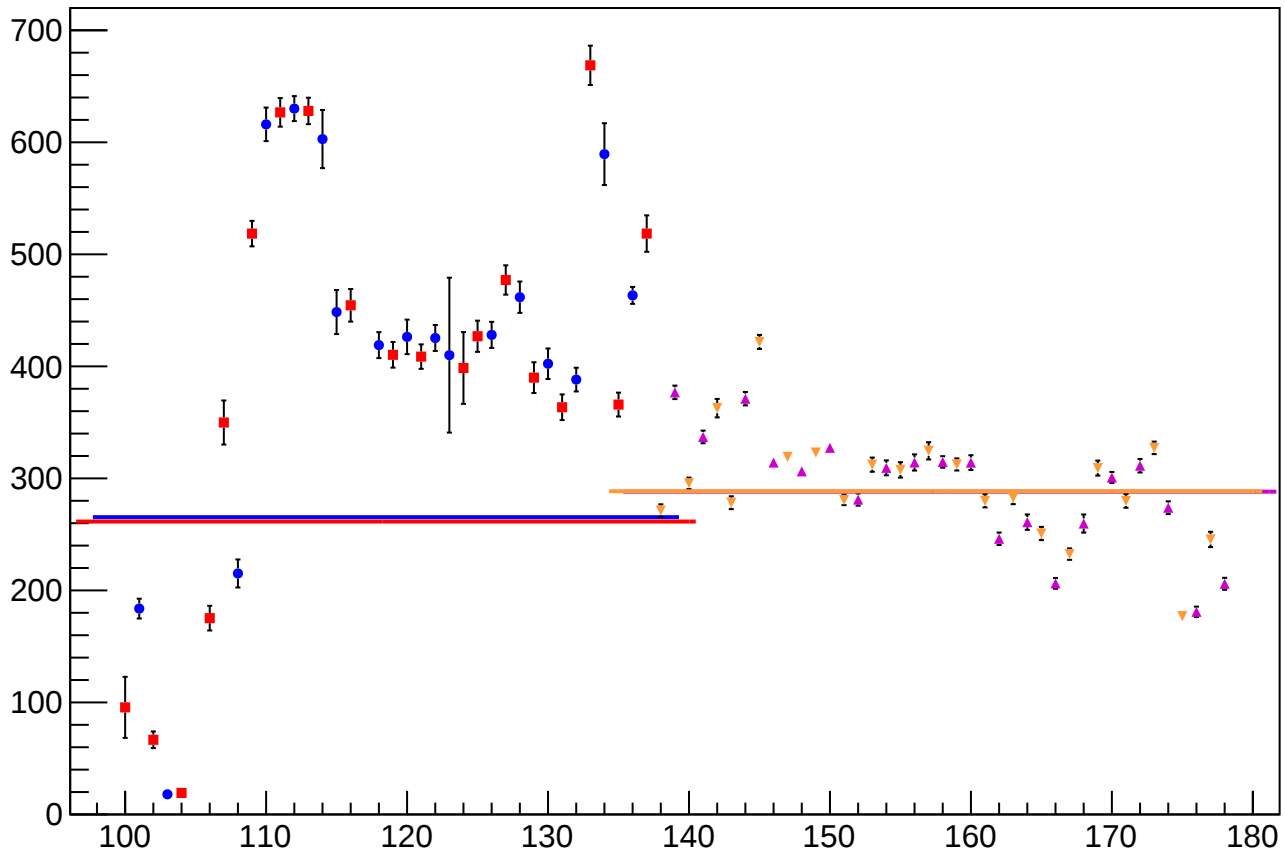
Left In: 4.883 ± 0.892 χ^2/NDF : 453.6/19

+ sign 2.604 ± 0.745 χ^2/NDF : 700.4/37

All: 2.664 ± 0.529 χ^2/NDF : 1392.5/76

- sign 2.725 ± 0.751 χ^2/NDF : 692.1/38

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 288.511 $\pm$ 1.215 χ^2 /NDF:1692.5/20

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

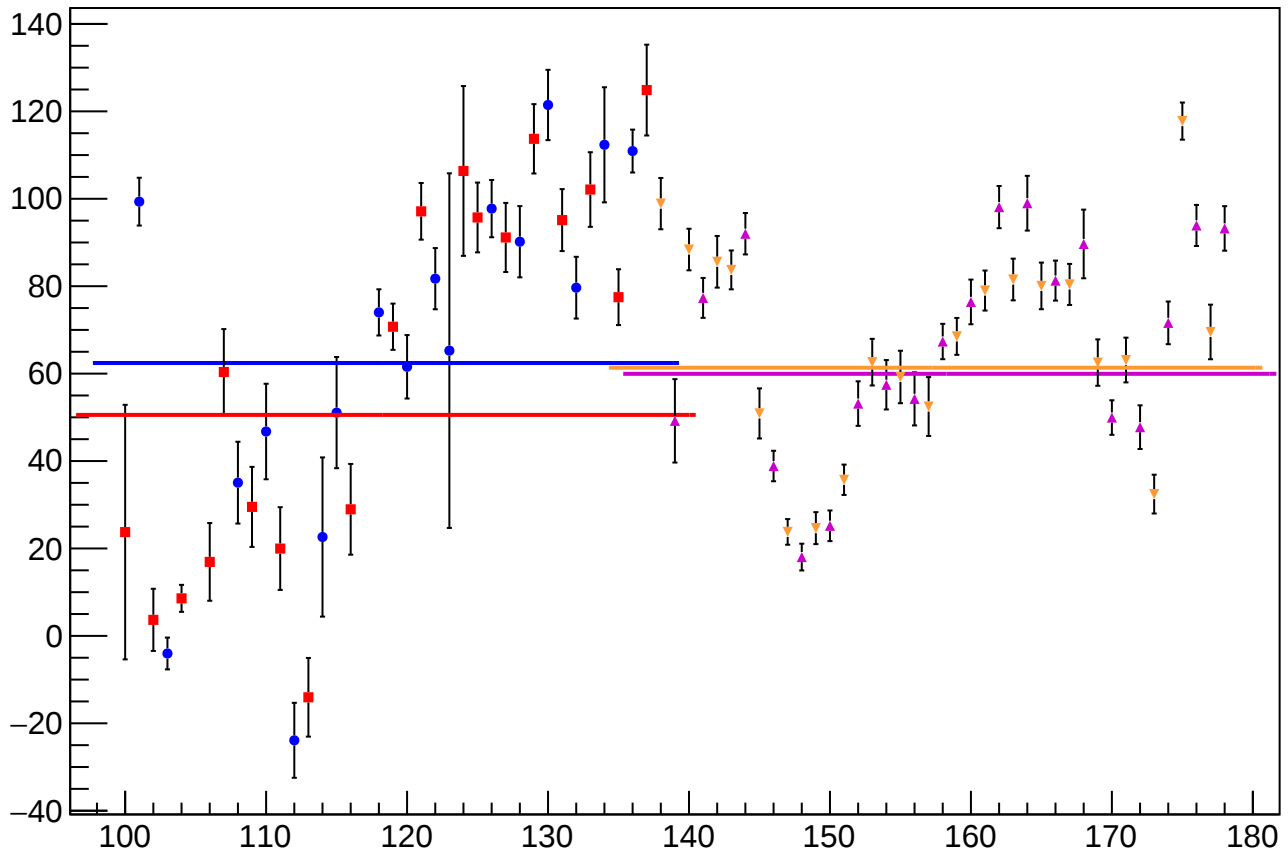
Left In: 288.161 $\pm$ 1.214 χ^2 /NDF:1872.5/19

+ sign 284.053 $\pm$ 1.092 χ^2 /NDF: 9396.2/37

All: 283.487 $\pm$ 0.771 χ^2 /NDF: 19568.3/76

- sign 282.924 $\pm$ 1.089 χ^2 /NDF: 10171.6/38

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 61.345+/-1.013 χ^2/NDF : 724.7/20

Right Out: 50.560+/-1.642 χ^2/NDF : 657.4/18

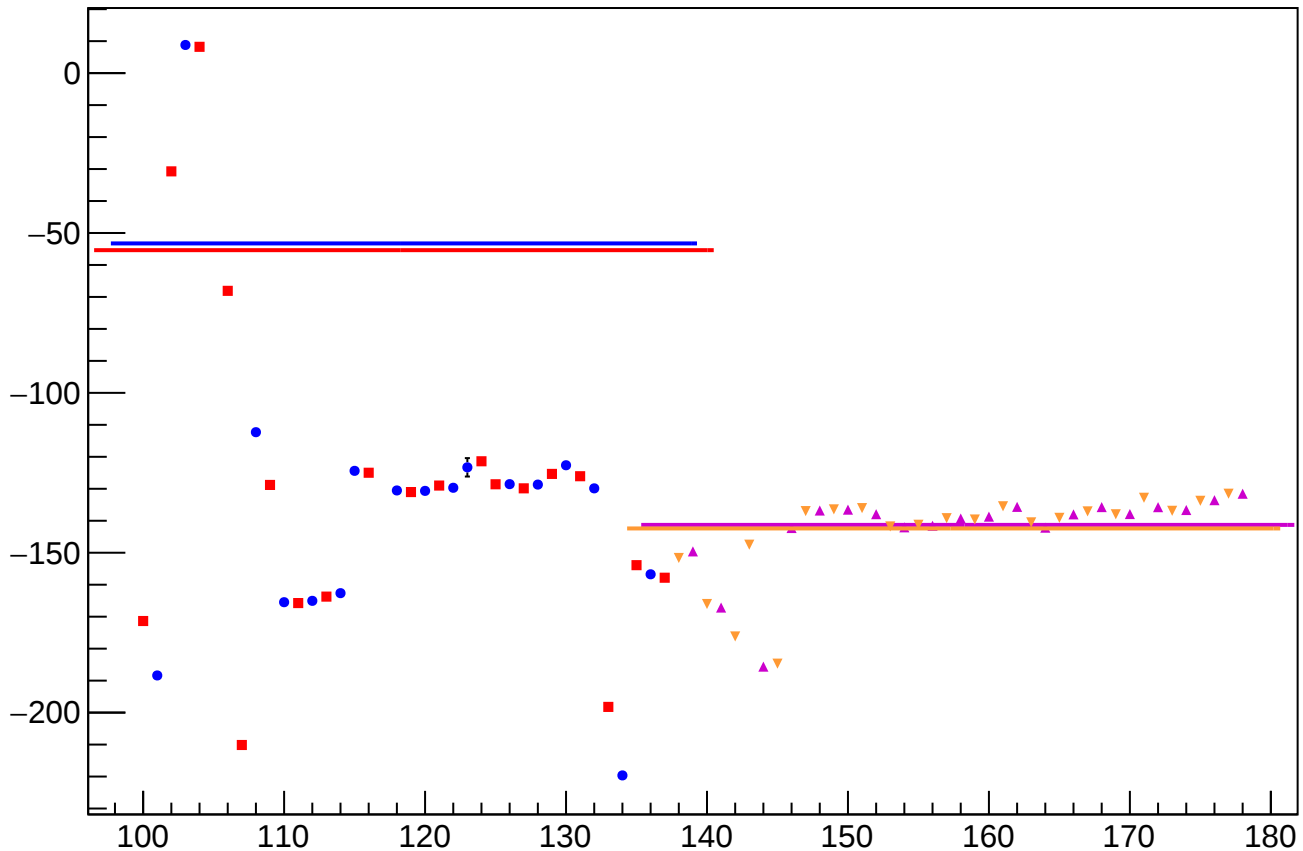
Left In: 59.957+/-1.036 χ^2/NDF : 650.9/19

+ sign 61.632+/-0.869 χ^2/NDF : 1446.7/37

All: 59.474+/-0.617 χ^2/NDF : 2790.9/76

- sign 57.283+/-0.876 χ^2/NDF : 1331.7/38

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -142.407 $\pm$ 0.049 χ^2 /NDF: 64134.8/20

Right Out: -55.373 $\pm$ 0.072 χ^2 /NDF: 967027.2/18

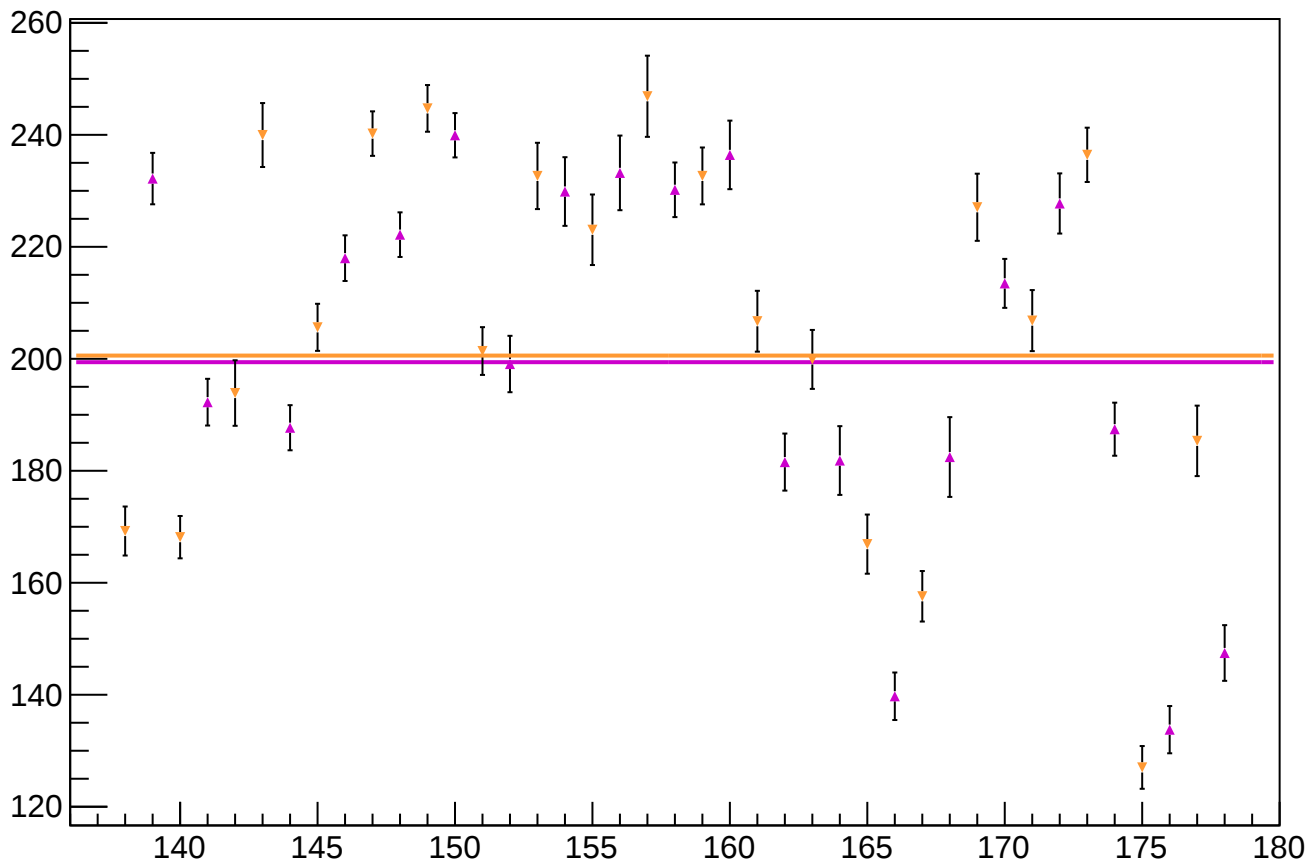
Left In: -141.295 $\pm$ 0.049 χ^2 /NDF: 50226.7/19

+ sign -113.469 $\pm$ 0.040 χ^2 /NDF: 2372148.4/37

All: -113.925 $\pm$ 0.028 χ^2 /NDF: 4369096.9/76

- sign -114.384 $\pm$ 0.040 χ^2 /NDF: 1996689.1/38

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 200.577+/-1.067 χ^2/NDF :1094.7/20

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

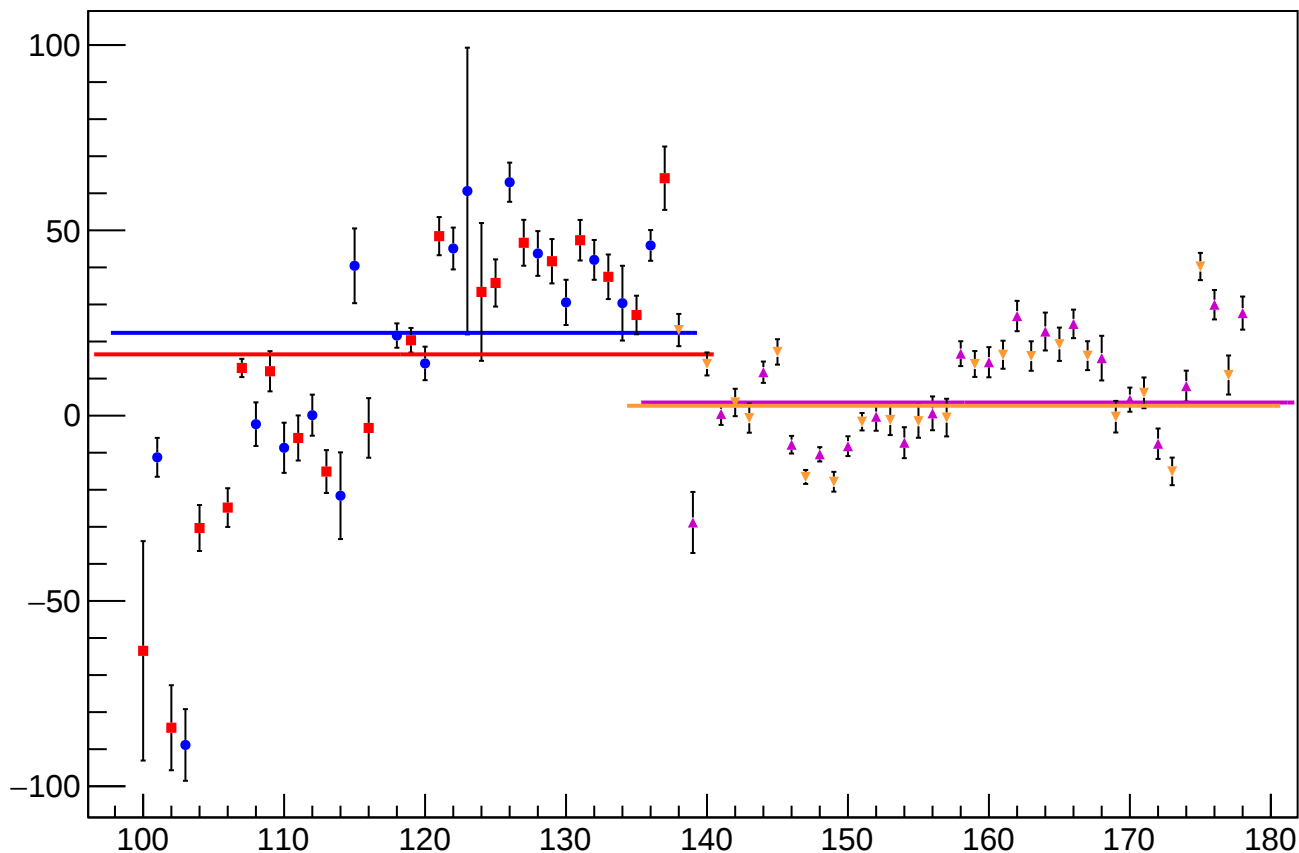
Left In: 199.398+/-1.067 χ^2/NDF :966.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 199.987+/-0.754 χ^2/NDF : 2062.2/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 ± 1.395 χ^2/NDF : 385.8/16

Left Out: 2.668 ± 0.754 χ^2/NDF : 414.2/20

Right Out: 16.537 ± 1.227 χ^2/NDF : 426.6/18

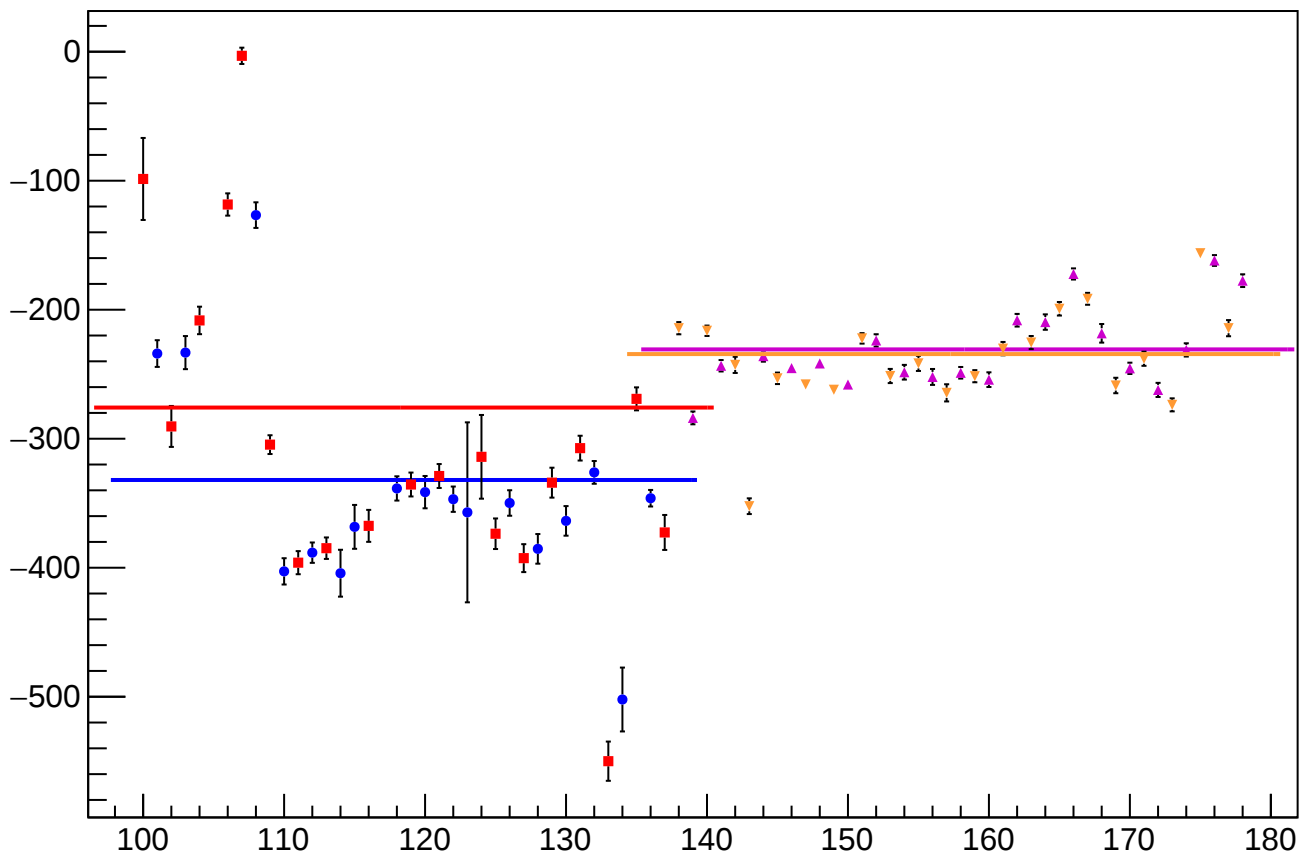
Left In: 3.540 ± 0.772 χ^2/NDF : 312.9/19

+ sign 7.118 ± 0.664 χ^2/NDF : 953.9/37

All: 7.173 ± 0.466 χ^2/NDF : 1773.8/76

- sign 7.227 ± 0.654 χ^2/NDF : 819.8/38

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989 ± 2.580 χ^2/NDF : 785.0/16

Left Out: -234.388 ± 1.059 χ^2/NDF : 1219.0/20

Right Out: -275.842 ± 2.325 χ^2/NDF : 3362.2/18

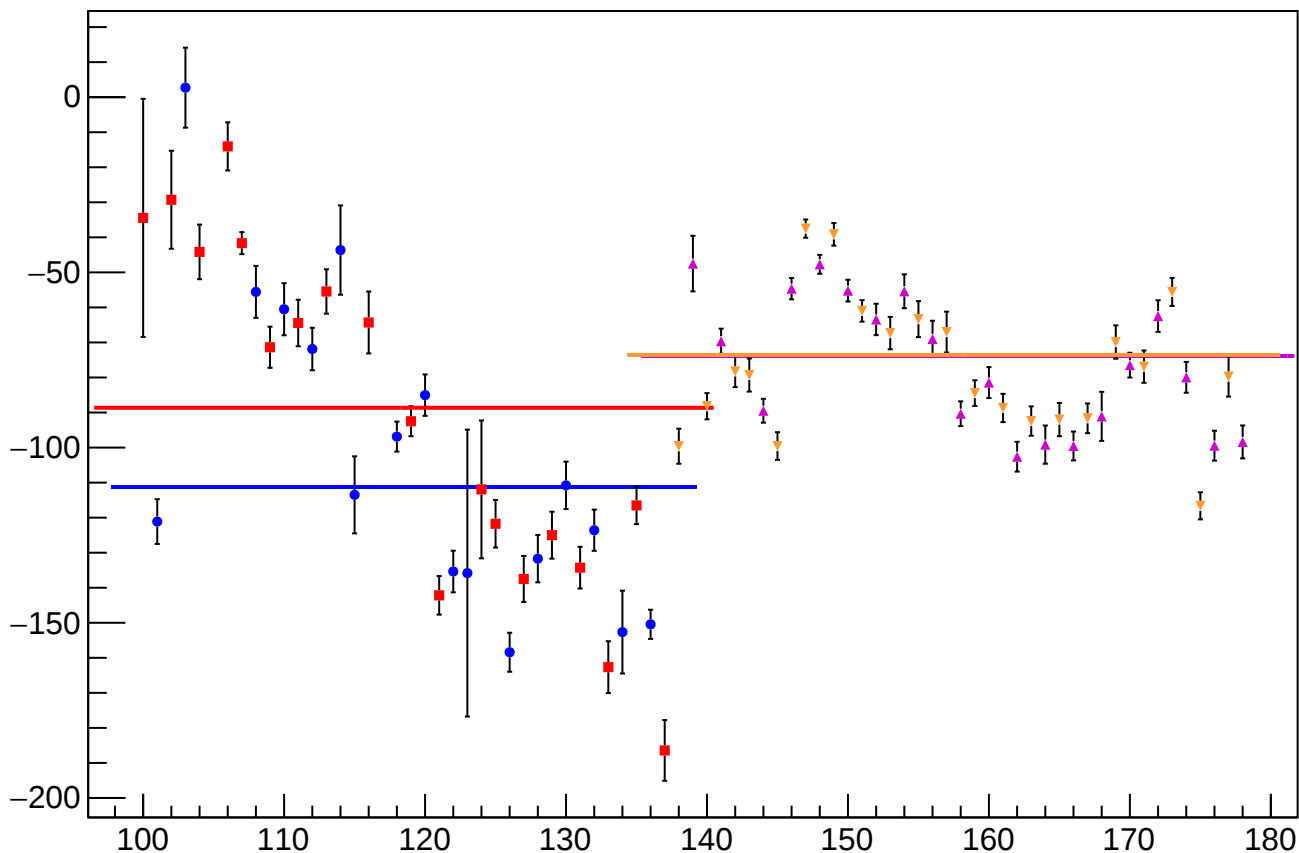
Left In: -230.755 ± 1.054 χ^2/NDF : 909.9/19

+ sign -248.464 ± 0.980 χ^2/NDF : 3228.5/37

All: -243.354 ± 0.686 χ^2/NDF : 7865.9/76

- sign -238.448 ± 0.960 χ^2/NDF : 4584.1/38

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -73.564 ± 0.884 χ^2/NDF : 642.5/20

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

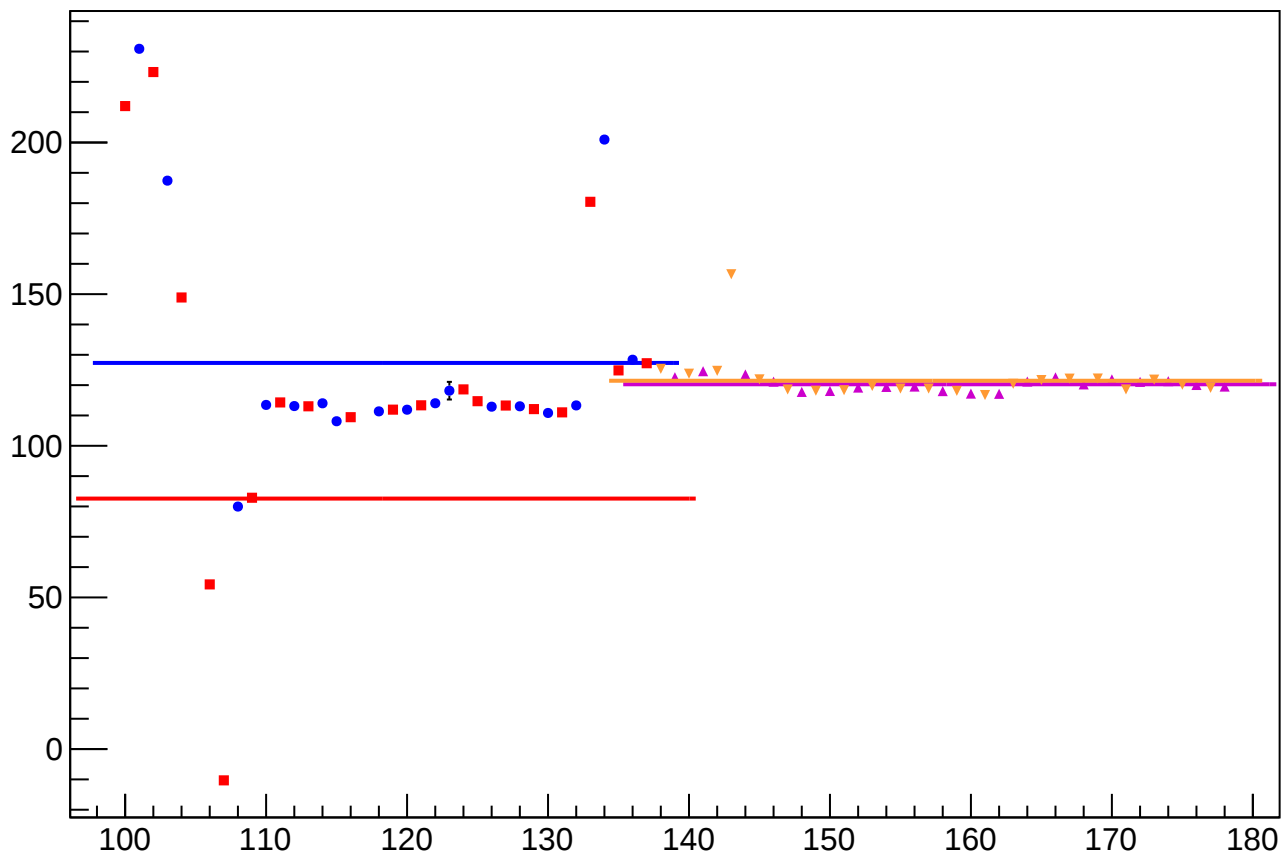
Left In: -73.864 ± 0.898 χ^2/NDF : 433.2/19

+ sign -82.401 ± 0.773 χ^2/NDF : 1578.4/37

All: -80.180 ± 0.542 χ^2/NDF : 3075.0/76

- sign -78.030 ± 0.761 χ^2/NDF : 1480.4/38

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 ± 0.089 χ^2/NDF : 187776.4/16

Left Out: 121.447 ± 0.043 χ^2/NDF : 24088.1/20

Right Out: 82.595 ± 0.075 χ^2/NDF : 765022.5/18

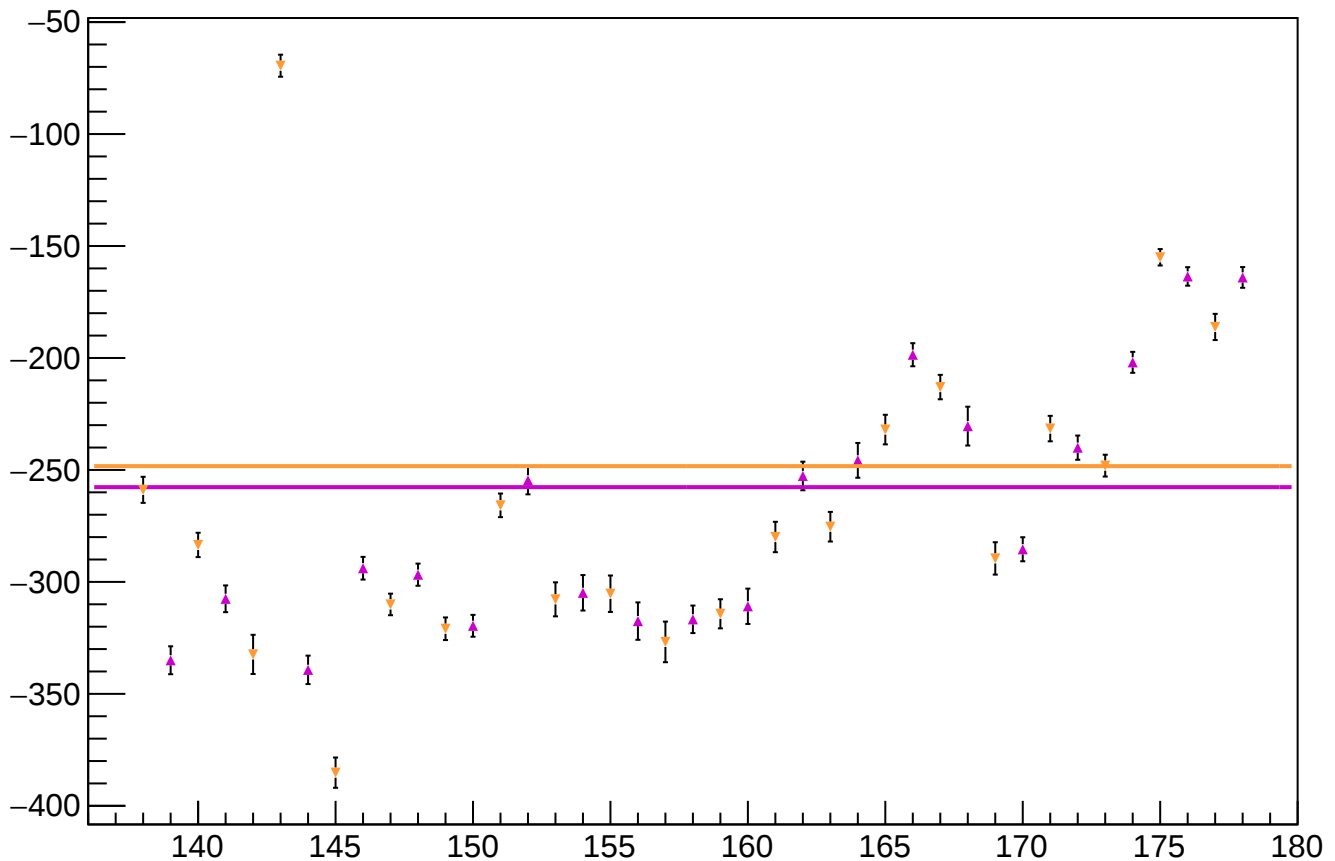
Left In: 120.283 ± 0.042 χ^2/NDF : 2575.3/19

+ sign 122.529 ± 0.038 χ^2/NDF : 215385.4/37

All: 116.677 ± 0.027 χ^2/NDF : 1217990.0/76

- sign 111.299 ± 0.037 χ^2/NDF : 958013.5/38

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -248.300+/-1.267 χ^2/NDF : 3425.6/20

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

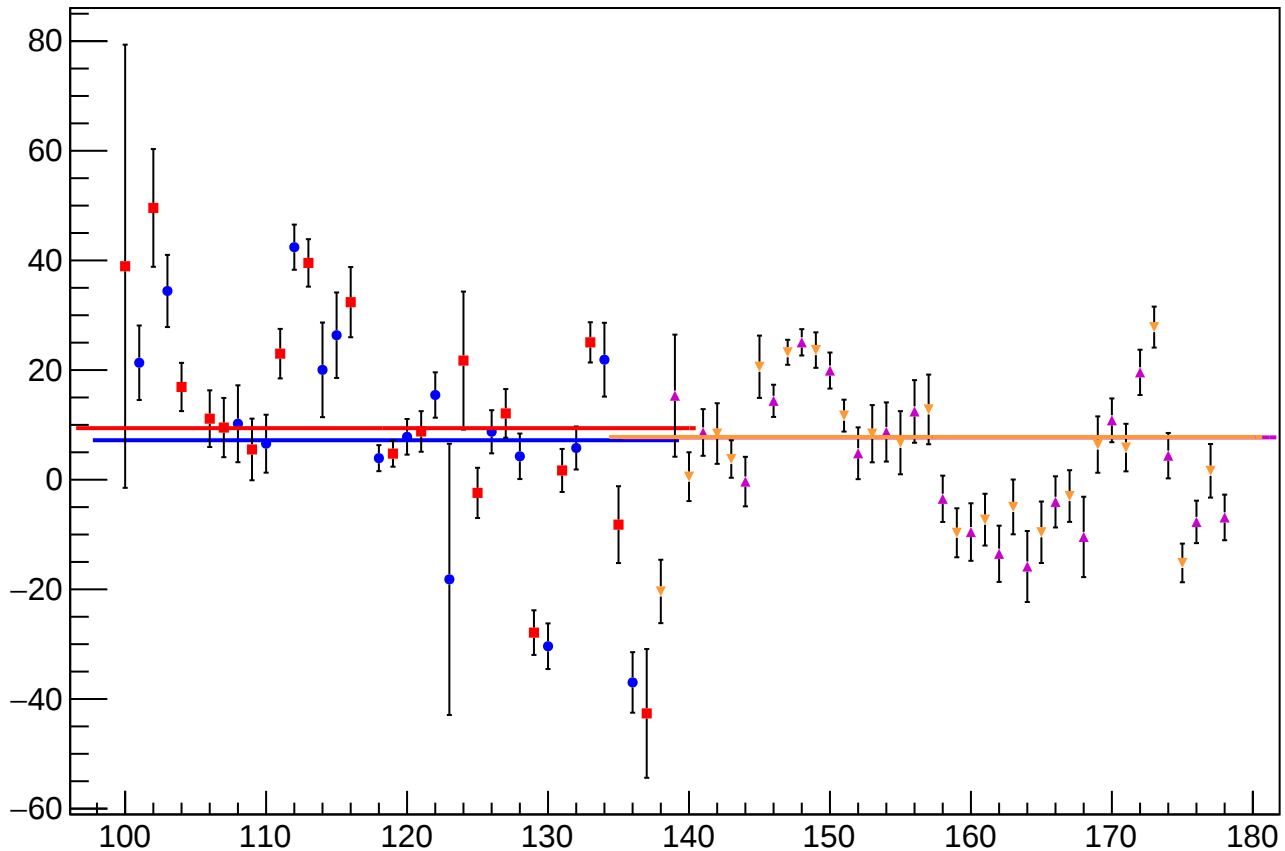
Left In: -257.684+/-1.280 χ^2/NDF : 2139.3/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -252.944+/-0.900 χ^2/NDF : 5592.0/40

- 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: 7.785 ± 0.904 χ^2/NDF : 225.1/20

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

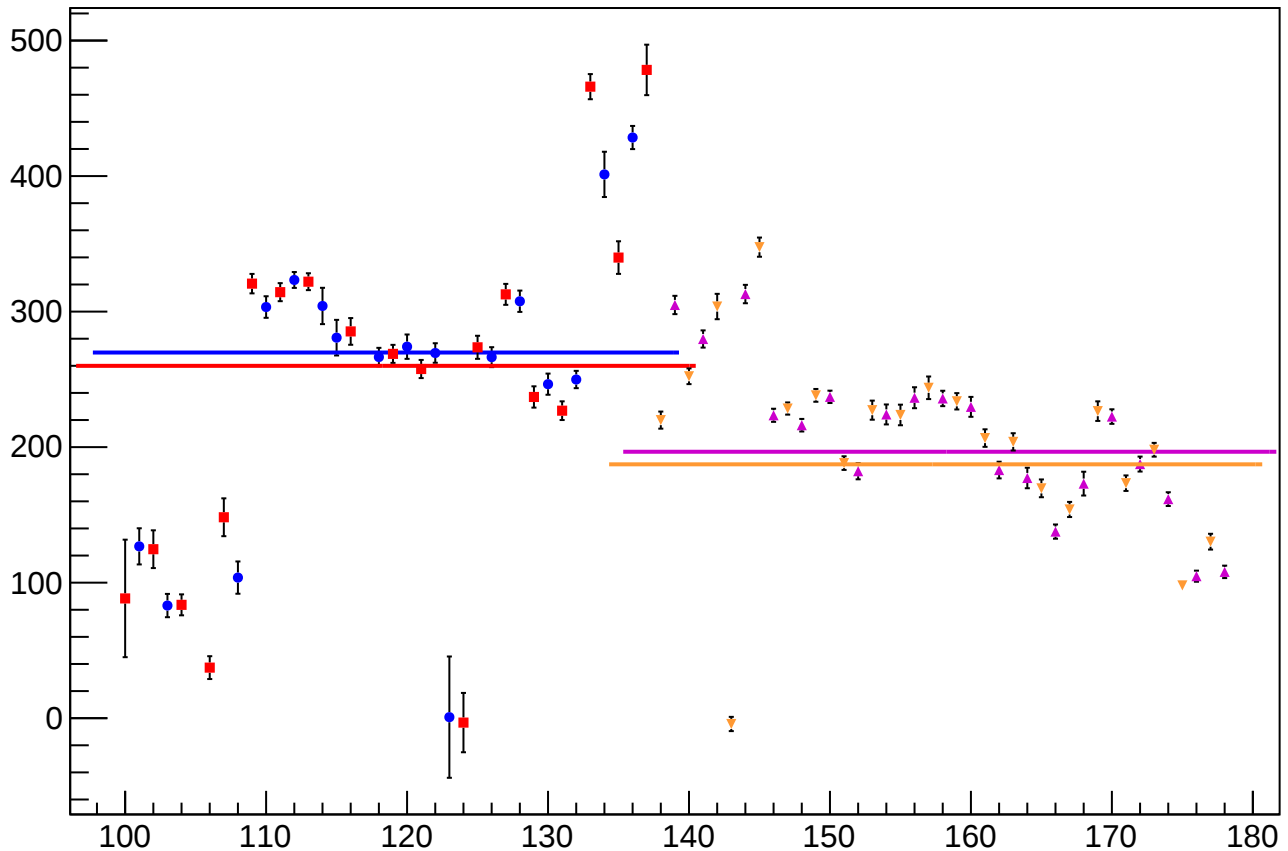
Left In: 7.716 ± 0.942 χ^2/NDF : 174.2/19

+ sign 7.550 ± 0.699 χ^2/NDF : 486.1/37

All: 7.996 ± 0.497 χ^2/NDF : 894.7/76

- sign 8.452 ± 0.707 χ^2/NDF : 407.8/38

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 187.310 $\pm$ 1.258 χ^2 /NDF: 3300.0/20

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

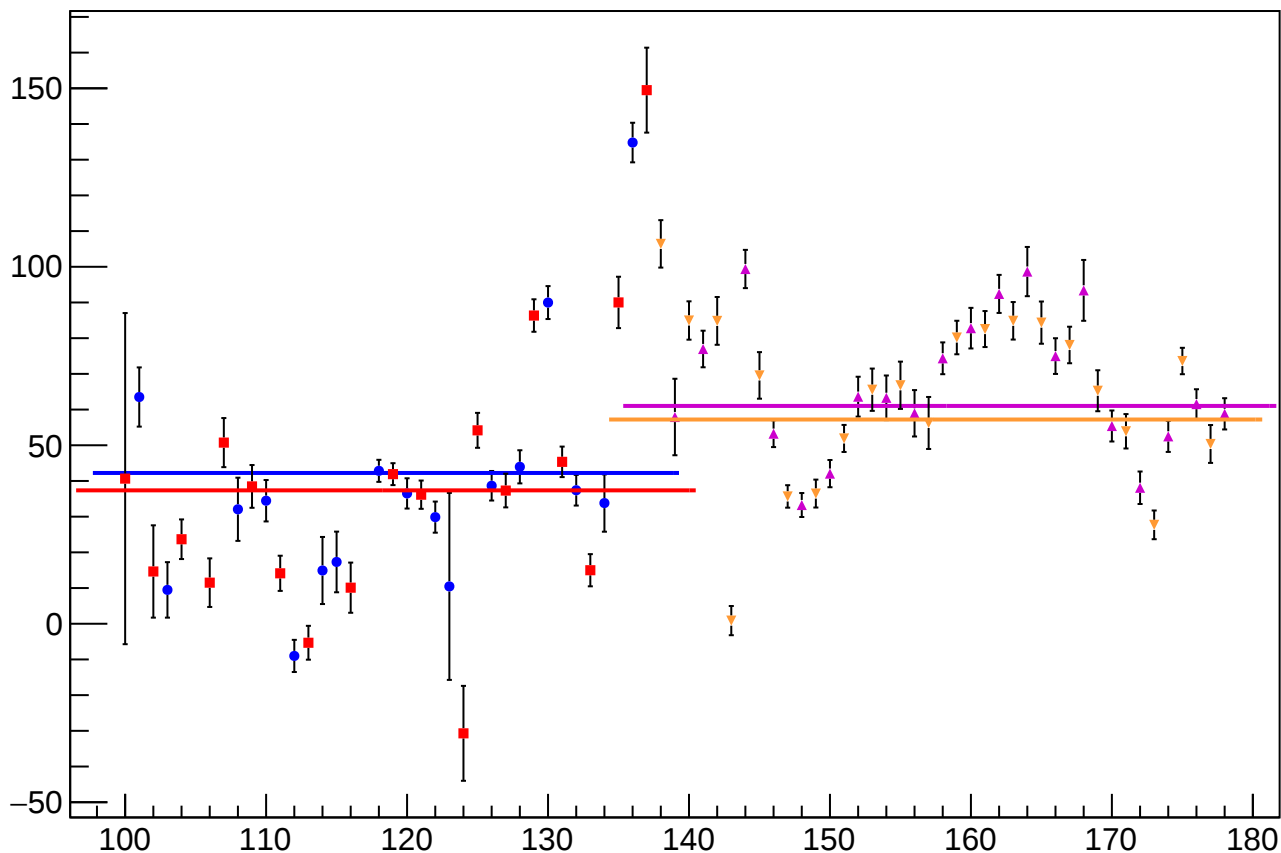
Left In: 196.594 $\pm$ 1.265 χ^2 /NDF: 2058.4/19

+ sign 209.254 $\pm$ 1.077 χ^2 /NDF: 5818.7/37

All: 212.166 $\pm$ 0.758 χ^2 /NDF: 11159.5/76

- sign 215.015 $\pm$ 1.066 χ^2 /NDF: 5326.3/38

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 57.215 ± 1.054 $\chi^2/\text{NDF}: 565.0/20$

Right Out: 37.367 ± 1.235 $\chi^2/\text{NDF}: 472.3/18$

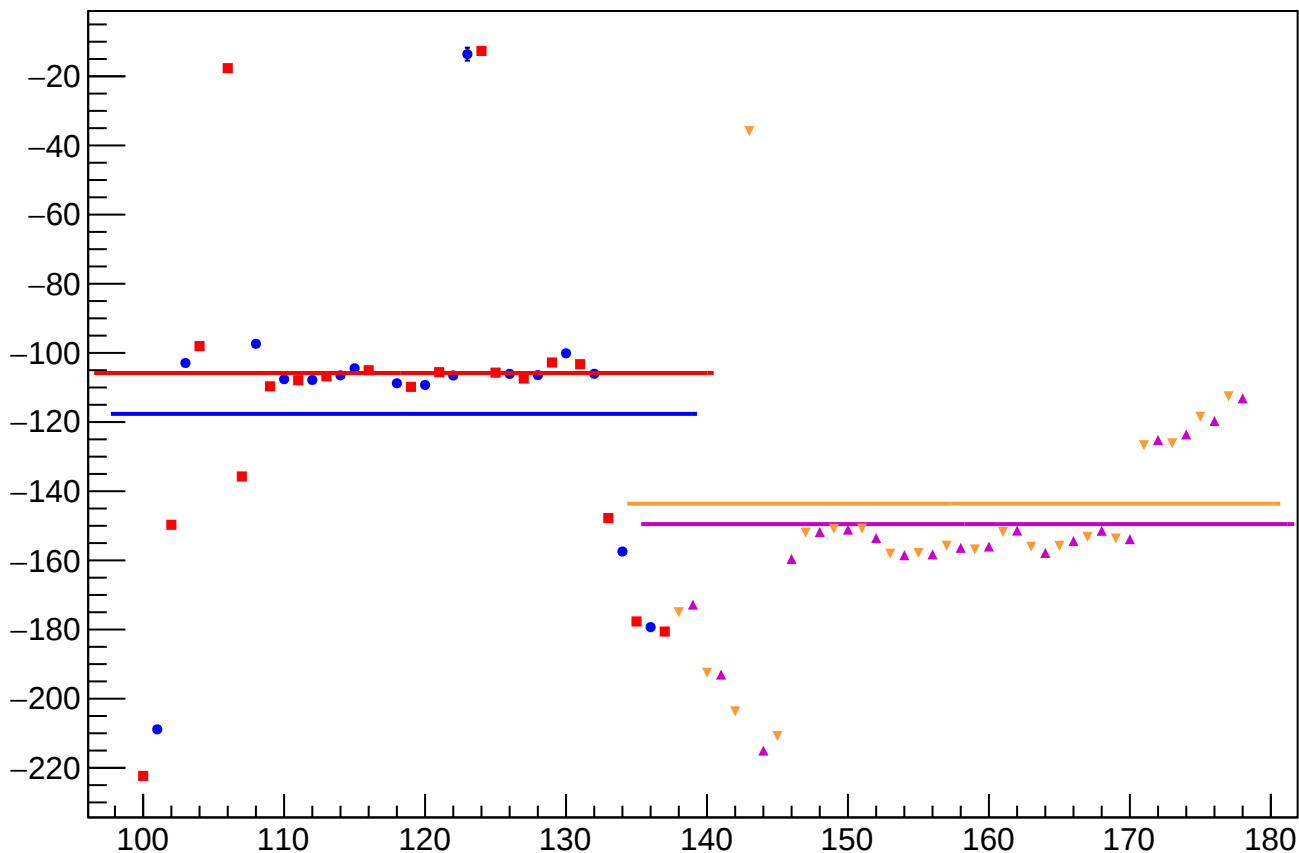
Left In: 61.022 ± 1.087 $\chi^2/\text{NDF}: 300.2/19$

+ sign 51.129 ± 0.812 $\chi^2/\text{NDF}: 1221.4/37$

All: 50.911 ± 0.576 $\chi^2/\text{NDF}: 2200.8/76$

- sign 50.689 ± 0.816 $\chi^2/\text{NDF}: 979.3/38$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625 ± 0.079 $\chi^2/\text{NDF}: 141872.3/16$

Left Out: -143.593 ± 0.051 $\chi^2/\text{NDF}: 477481.4/20$

Right Out: -105.807 ± 0.073 $\chi^2/\text{NDF}: 323108.1/18$

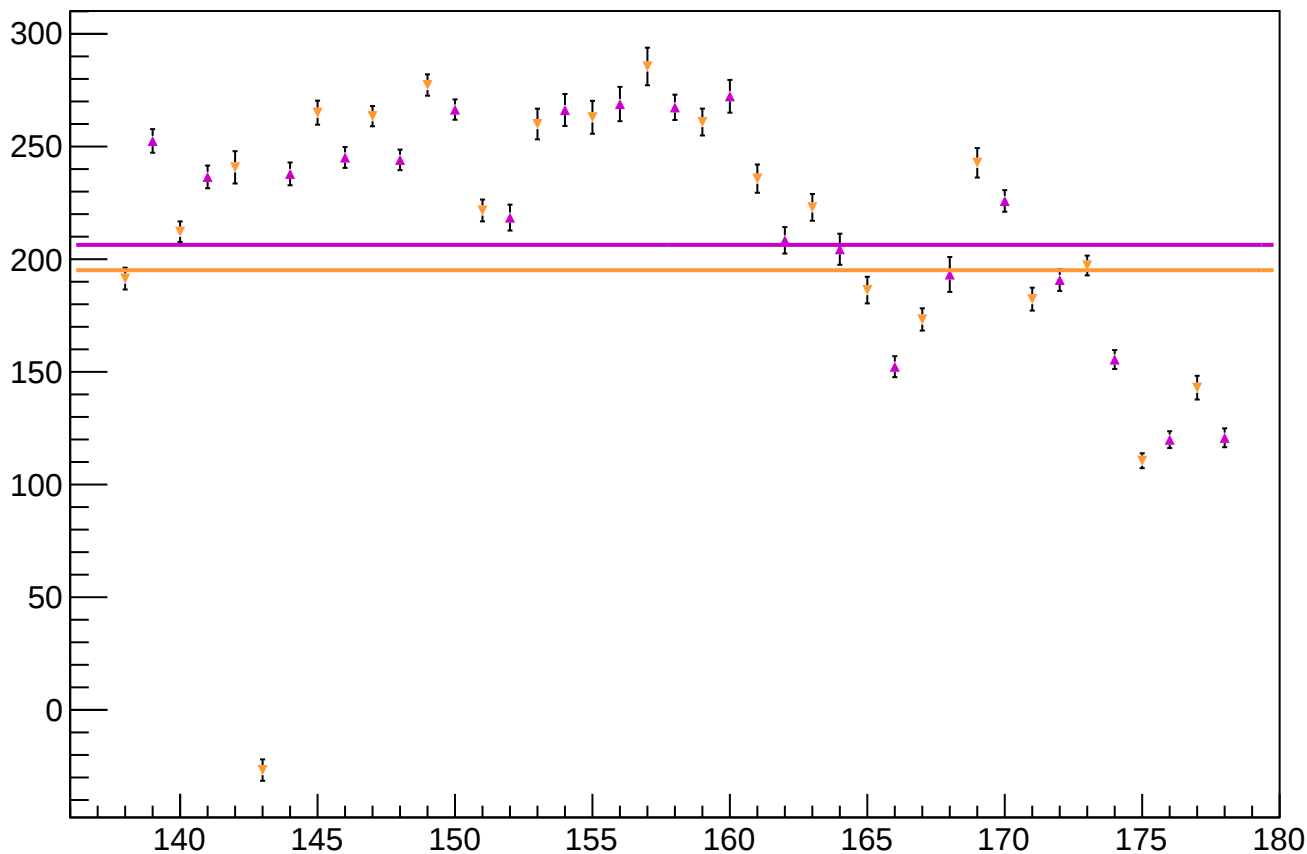
Left In: -149.504 ± 0.051 $\chi^2/\text{NDF}: 184543.4/19$

+ sign -135.963 ± 0.043 $\chi^2/\text{NDF}: 696579.6/37$

All: -135.571 ± 0.030 $\chi^2/\text{NDF}: 1446600.8/76$

- sign -135.194 ± 0.042 $\chi^2/\text{NDF}: 749854.5/38$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 195.114 +/- 1.137 χ^2/NDF : 4278.4/20

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

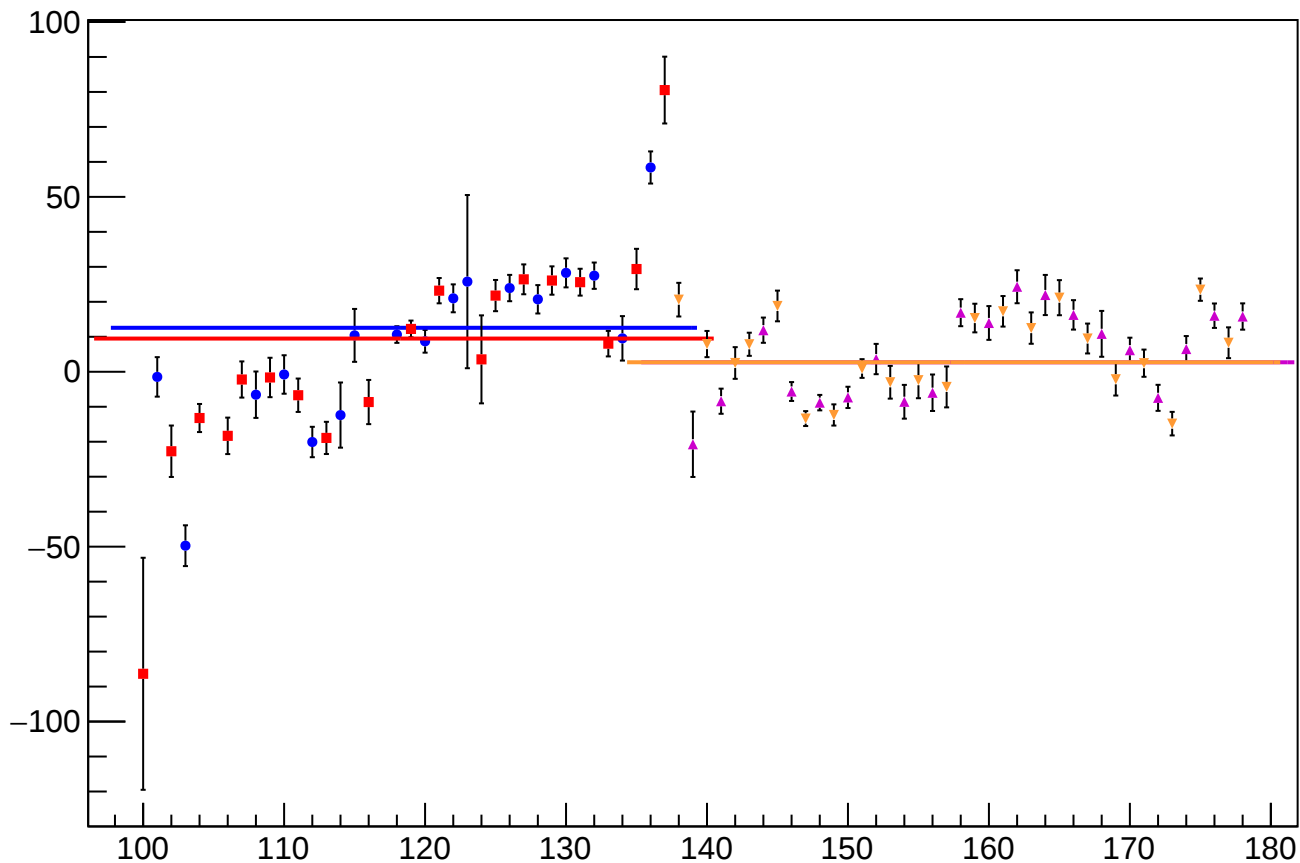
Left In: 206.356 +/- 1.146 χ^2/NDF : 2080.0/19

+ sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

All: 200.694 +/- 0.807 χ^2/NDF : 6406.9/40

- sign 0.000 +/- 0.000 χ^2/NDF : 0.0/0

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 2.719 $\pm$ 0.818 χ^2 /NDF:231.5/20

Right Out: 9.493 $\pm$ 1.047 χ^2 /NDF: 295.8/18

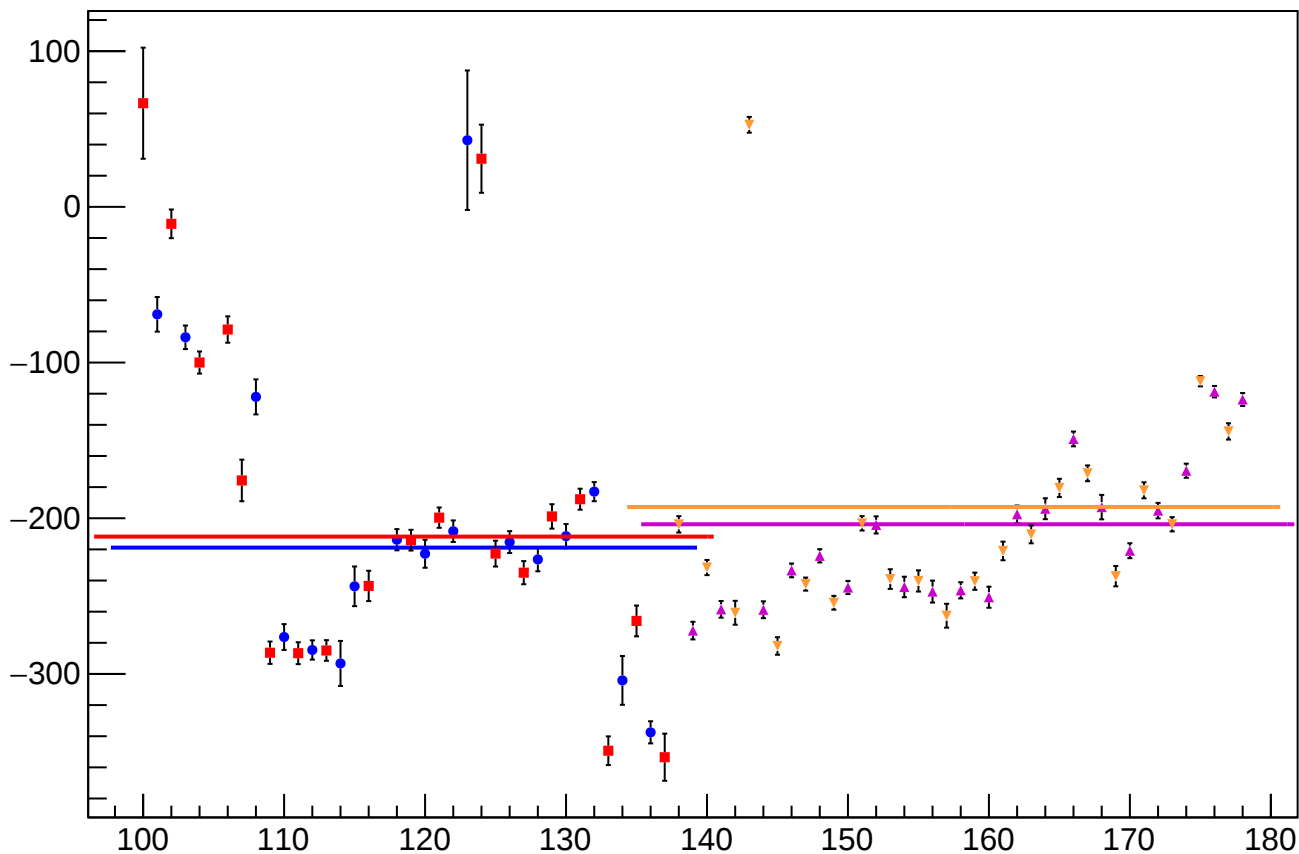
Left In: 2.709 $\pm$ 0.848 χ^2 /NDF:177.5/19

+ sign 6.337 $\pm$ 0.651 χ^2 /NDF: 632.8/37

All: 5.872 $\pm$ 0.463 χ^2 /NDF: 1132.5/76

- sign 5.395 $\pm$ 0.659 χ^2 /NDF: 498.7/38

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -192.741 ± 1.132 χ^2/NDF : 4128.1/20

Right Out: -211.780 ± 1.924 χ^2/NDF : 1885.2/18

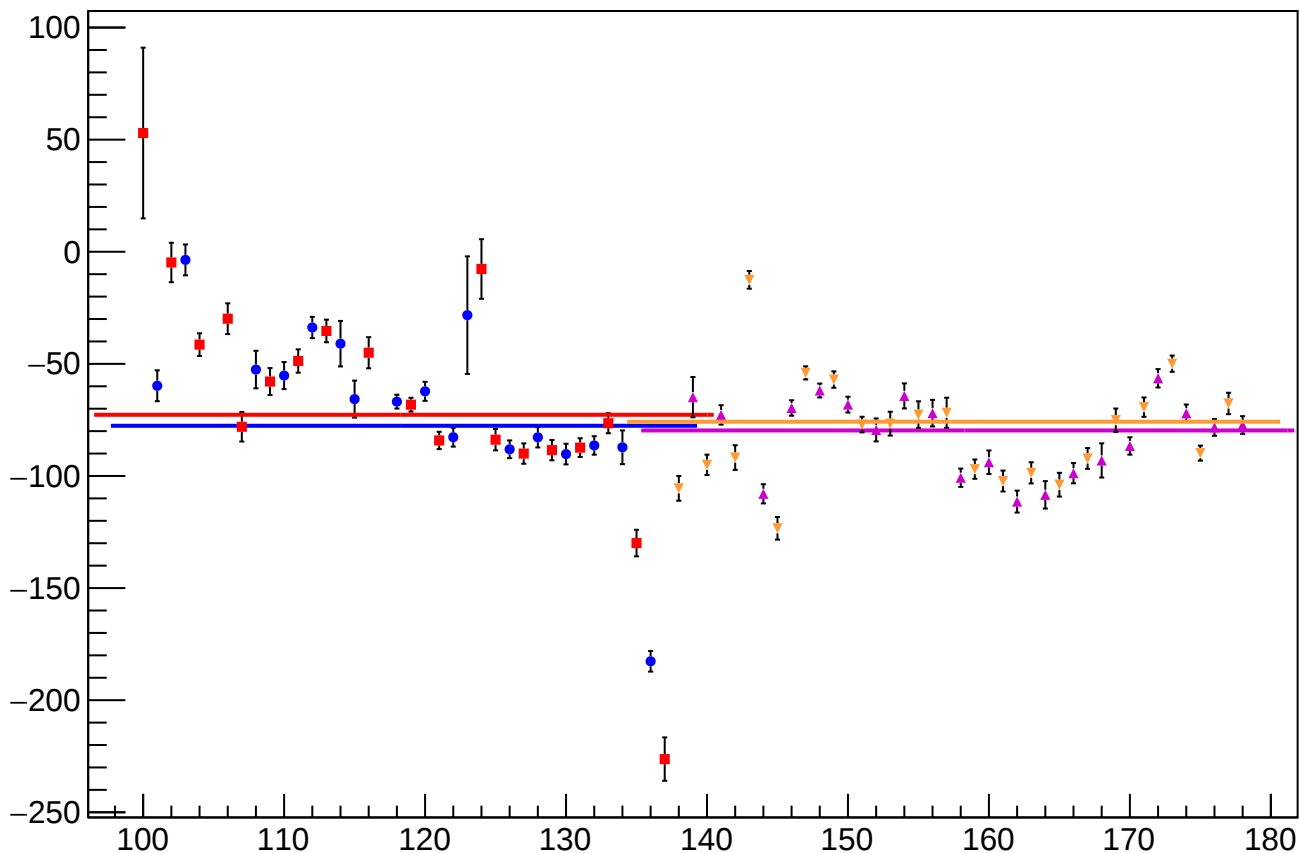
Left In: -203.871 ± 1.136 χ^2/NDF : 1818.7/19

+ sign -198.971 ± 0.988 χ^2/NDF : 5401.6/37

All: -202.477 ± 0.695 χ^2/NDF : 9143.0/76

- sign -205.915 ± 0.978 χ^2/NDF : 3716.5/38

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -75.800 ± 0.952 χ^2/NDF : 676.7/20

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

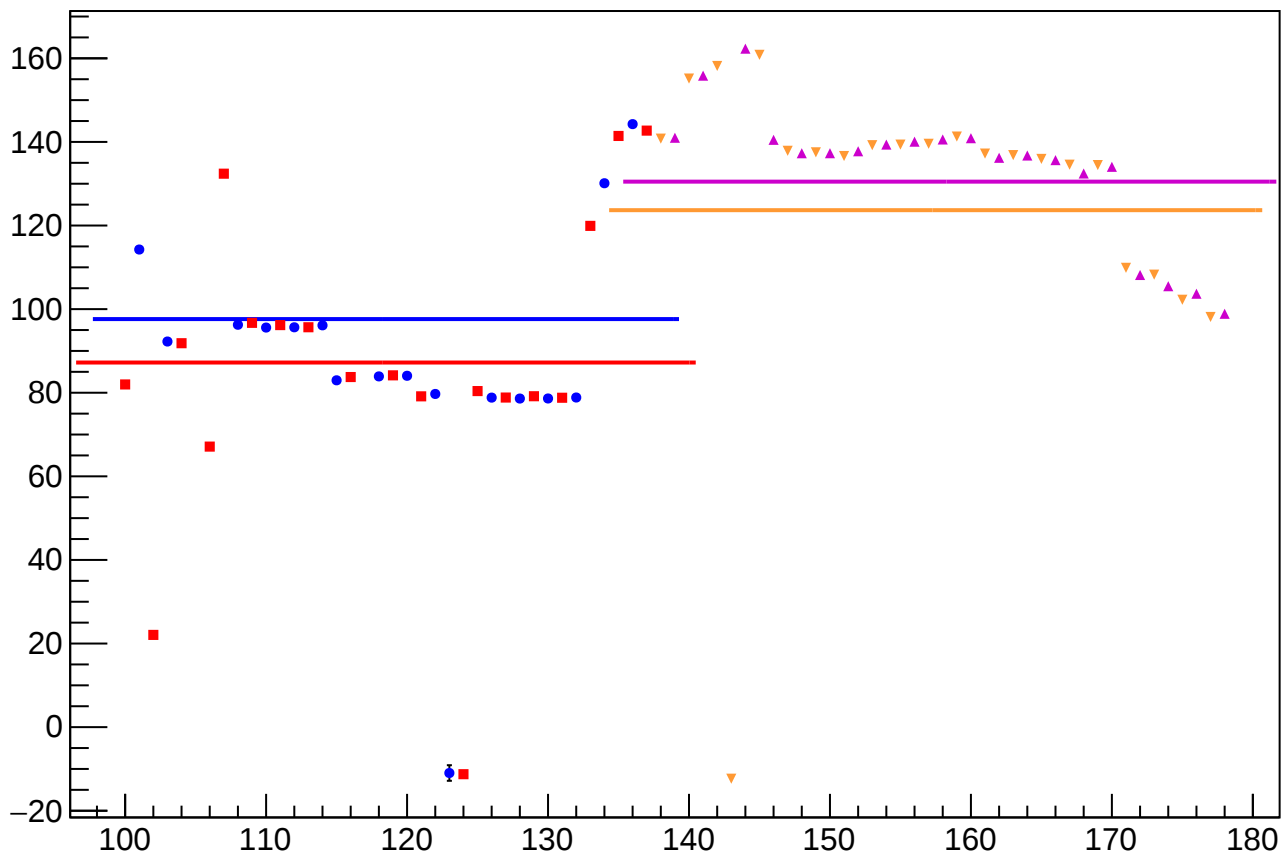
Left In: -79.699 ± 0.978 χ^2/NDF : 269.4/19

+ sign -76.474 ± 0.754 χ^2/NDF : 1493.9/37

All: -76.699 ± 0.535 χ^2/NDF : 2455.2/76

- sign -76.928 ± 0.760 χ^2/NDF : 961.1/38

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 ± 0.074 χ^2/NDF : 94045.2/16

Left Out: 123.672 ± 0.046 χ^2/NDF : 615208.3/20

Right Out: 87.226 ± 0.068 χ^2/NDF : 220850.5/18

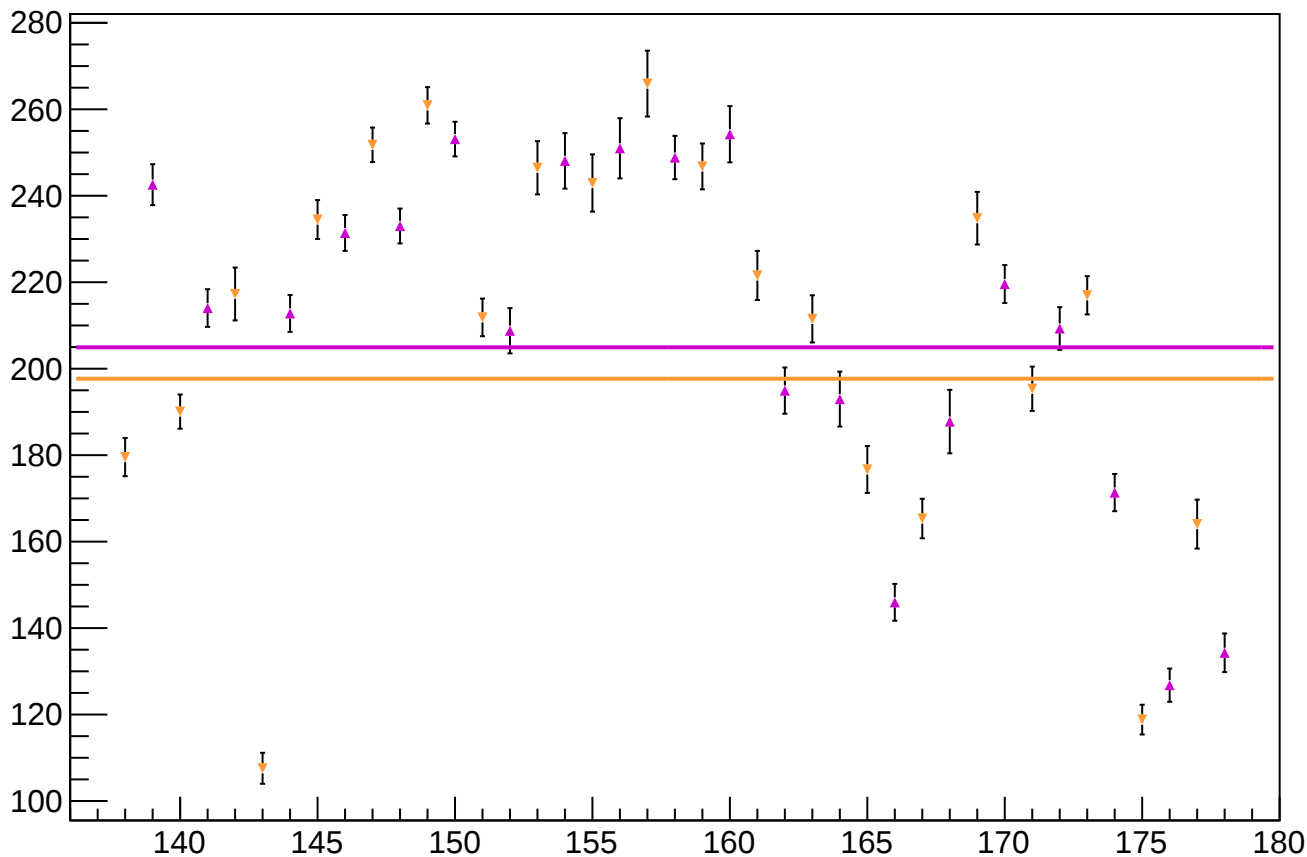
Left In: 130.499 ± 0.046 χ^2/NDF : 141806.4/19

+ sign 116.473 ± 0.039 χ^2/NDF : 799649.4/37

All: 116.826 ± 0.027 χ^2/NDF : 1440432.8/76

- sign 117.163 ± 0.038 χ^2/NDF : 640621.1/38

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: 197.684+/-1.042 χ^2/NDF :2130.2/20

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

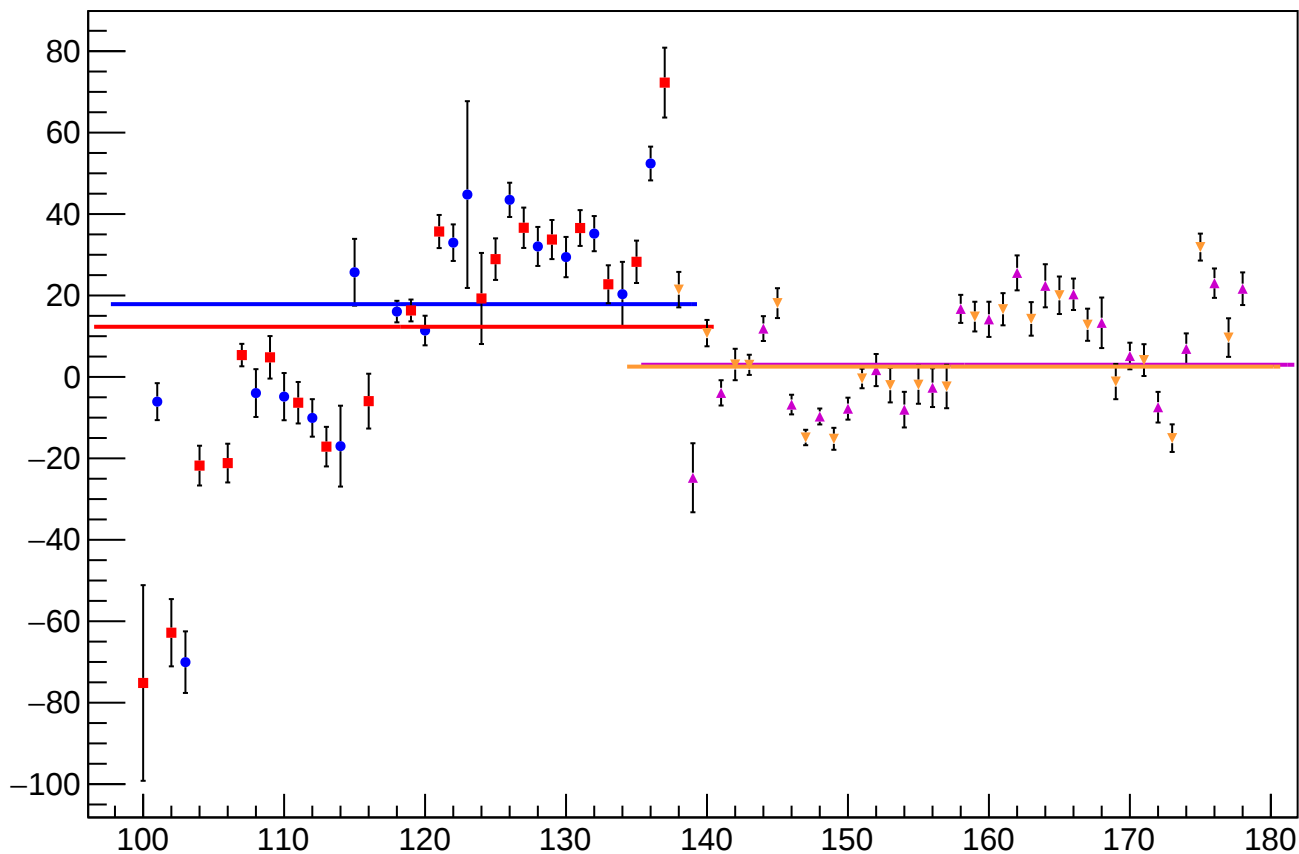
Left In: 204.940+/-1.068 χ^2/NDF :1468.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 201.223+/-0.746 χ^2/NDF : 3622.4/40

- 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: 2.530 $\pm$ 0.739 χ^2 /NDF:337.6/20

Right Out: 12.317 $\pm$ 1.083 χ^2 /NDF: 444.0/18

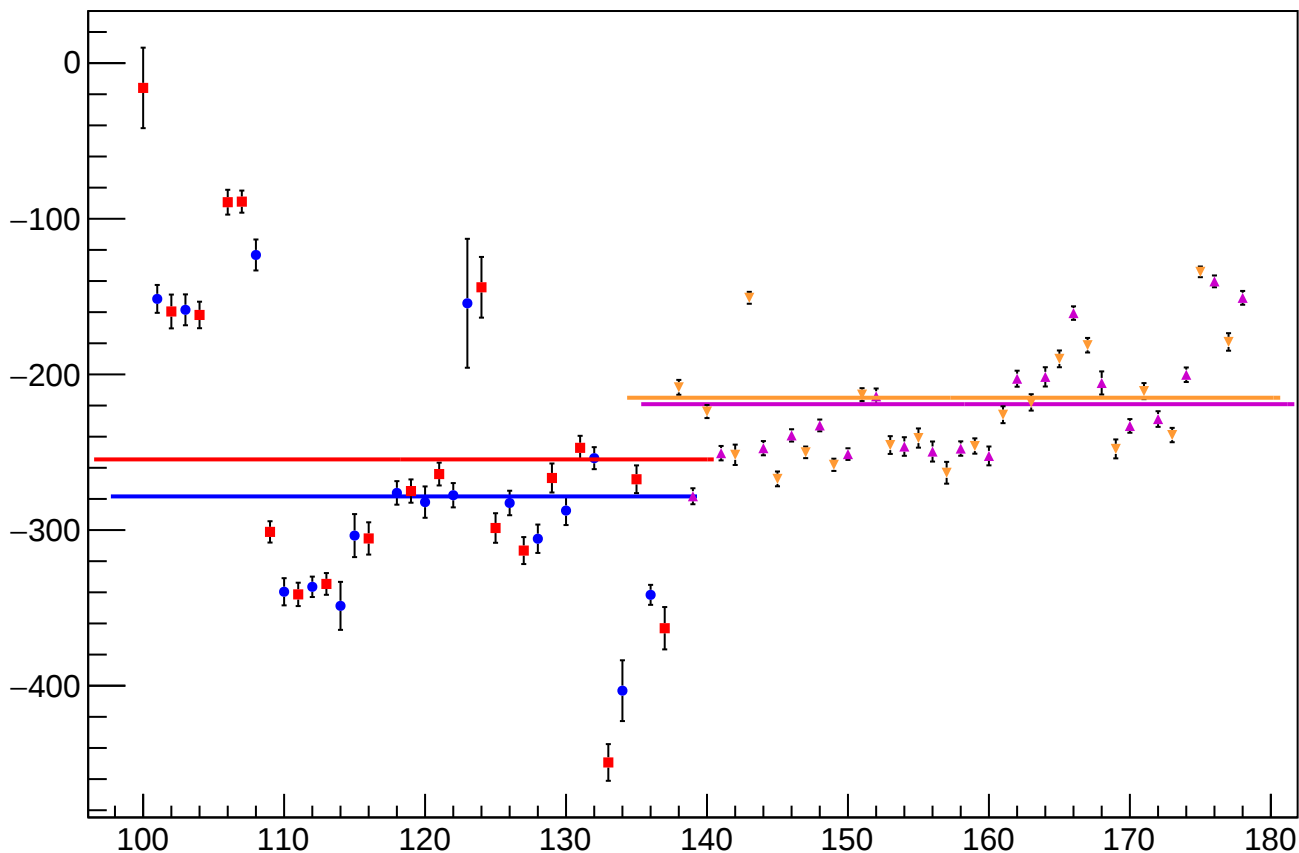
Left In: 2.991 $\pm$ 0.779 χ^2 /NDF:254.6/19

+ sign 6.928 $\pm$ 0.624 χ^2 /NDF: 856.4/37

All: 6.553 $\pm$ 0.444 χ^2 /NDF: 1604.7/76

- sign 6.168 $\pm$ 0.632 χ^2 /NDF: 747.5/38

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -214.979 ± 1.039 χ^2/NDF : 1509.8/20

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

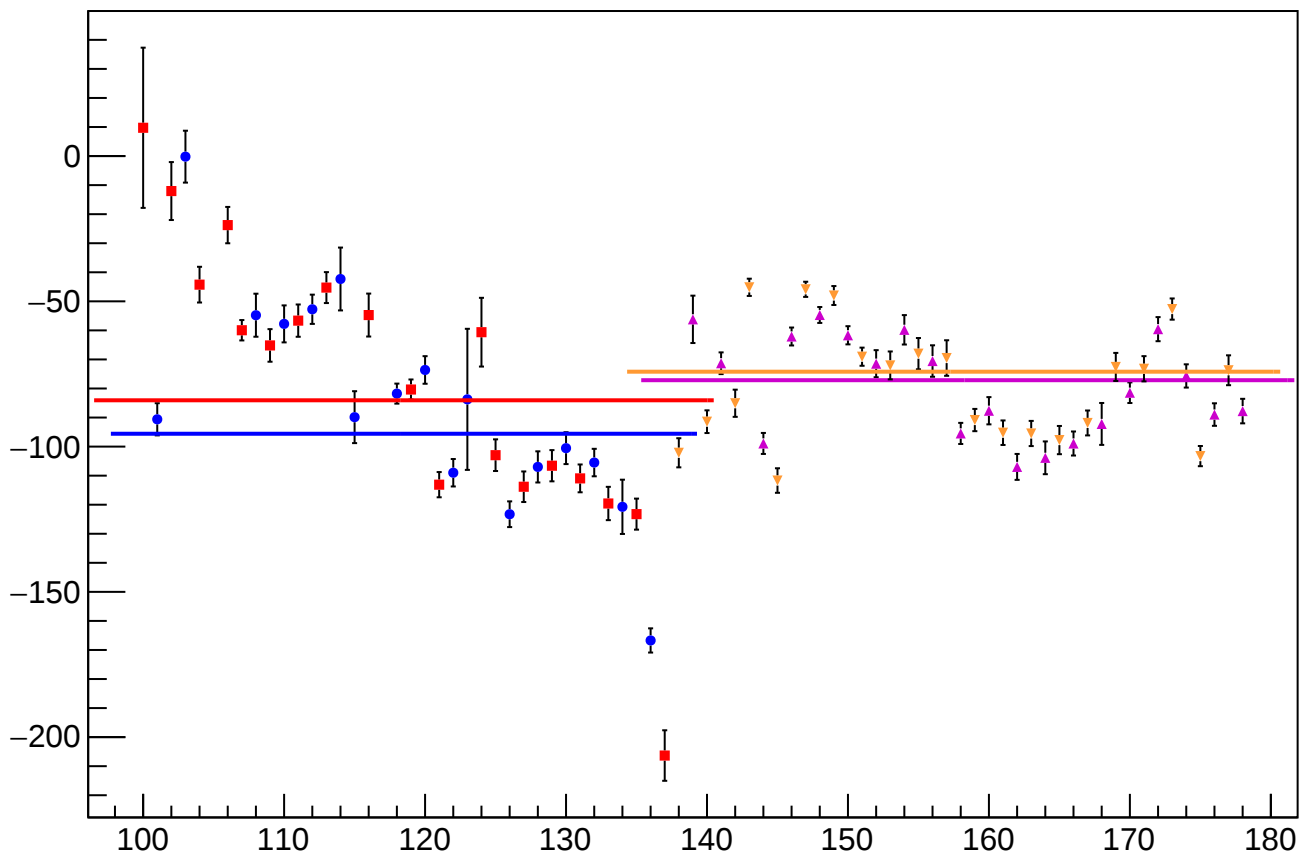
Left In: -219.123 ± 1.057 χ^2/NDF : 1342.6/19

+ sign -226.665 ± 0.938 χ^2/NDF : 3107.2/37

All: -226.707 ± 0.663 χ^2/NDF : 6729.5/76

- sign -226.748 ± 0.936 χ^2/NDF : 3622.3/38

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: -74.216 ± 0.866 χ^2/NDF : 630.9/20

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

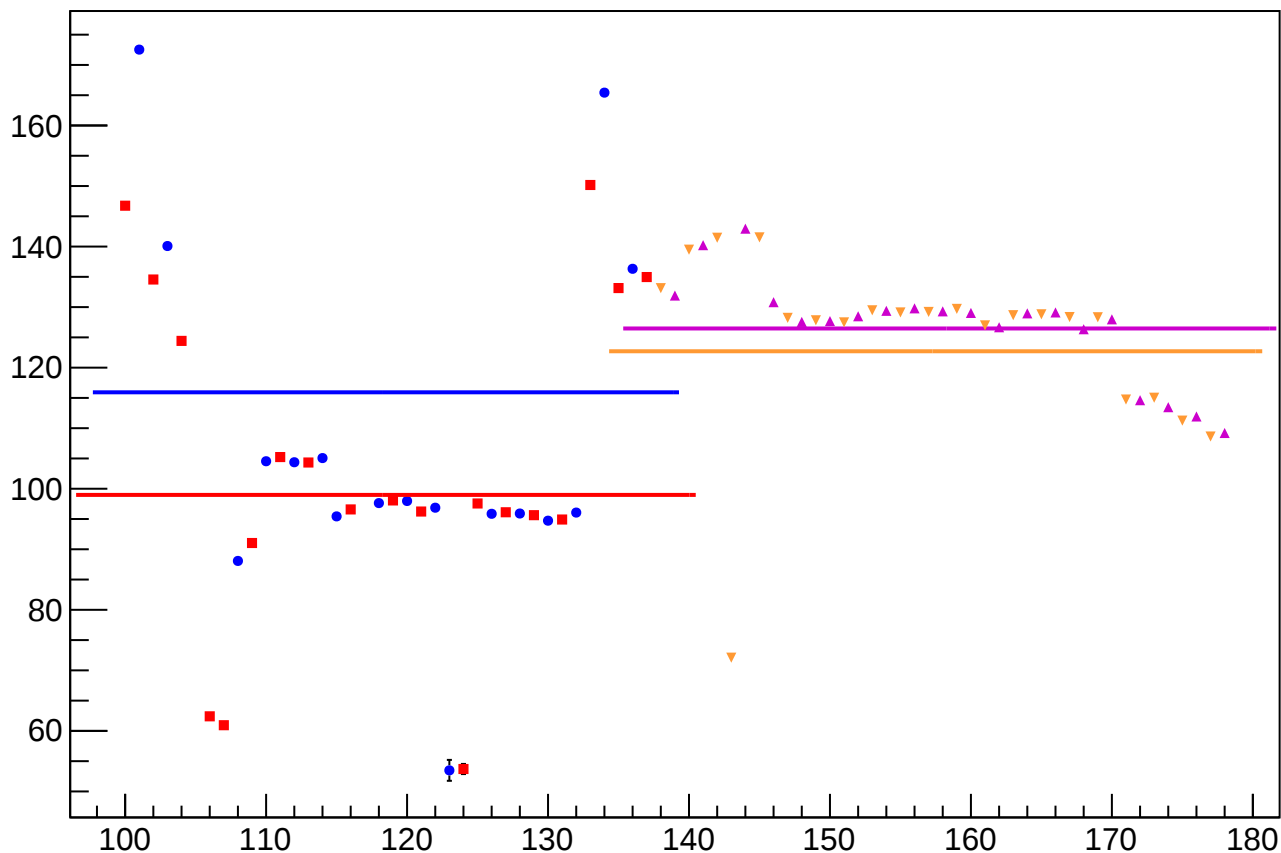
Left In: -77.147 ± 0.903 χ^2/NDF : 340.2/19

+ sign -80.502 ± 0.727 χ^2/NDF : 1481.3/37

All: -80.007 ± 0.516 χ^2/NDF : 2625.7/76

- sign -79.503 ± 0.733 χ^2/NDF : 1143.4/38

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: 122.707 $\pm$ 0.042 χ^2 /NDF: 158539.7/20

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

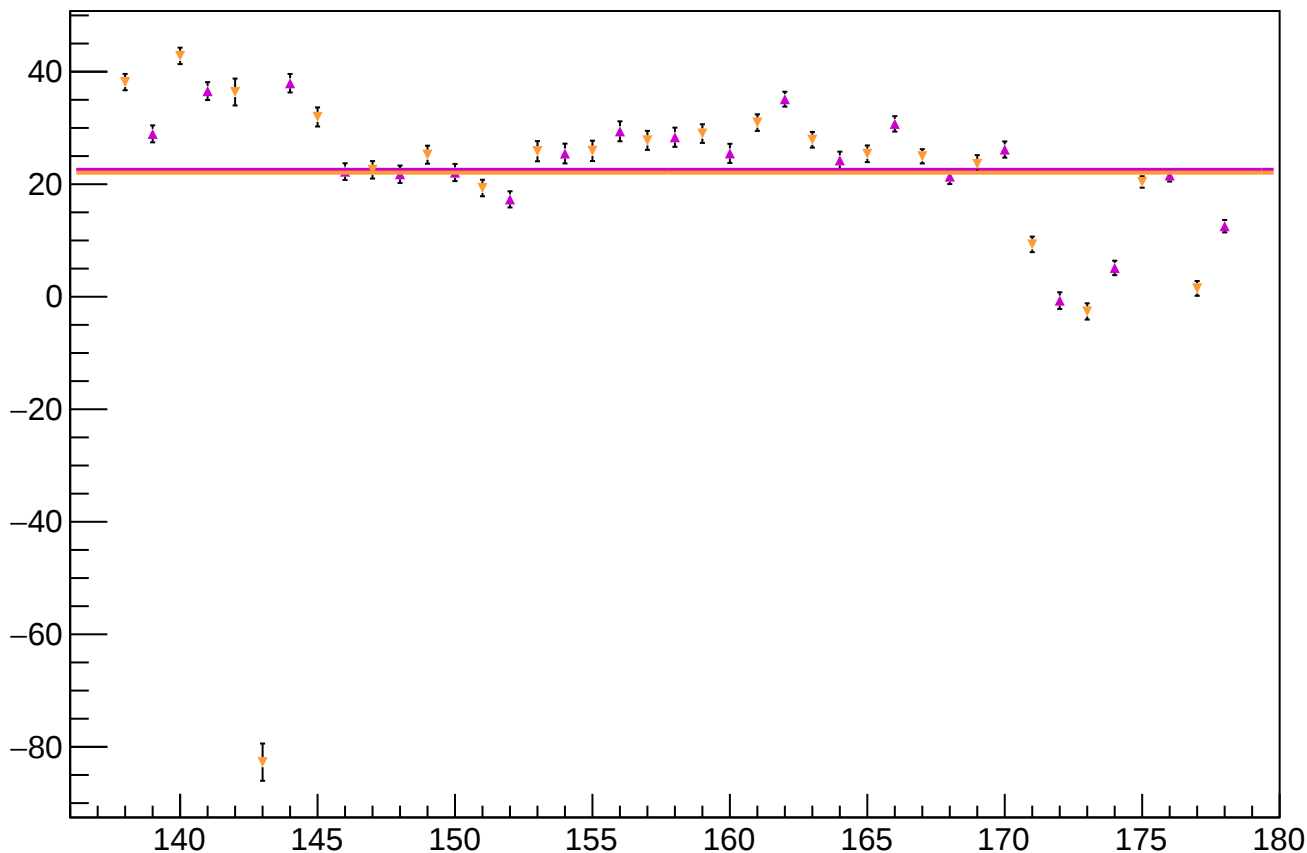
Left In: 126.470 $\pm$ 0.042 χ^2 /NDF: 39272.8/19

+ sign 121.207 $\pm$ 0.037 χ^2 /NDF: 270151.9/37

All: 120.013 $\pm$ 0.026 χ^2 /NDF: 600809.0/76

- sign 118.872 $\pm$ 0.036 χ^2 /NDF: 328606.3/38

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



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

Left Out: 22.055+/-0.330 χ^2/NDF : 2131.3/20

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

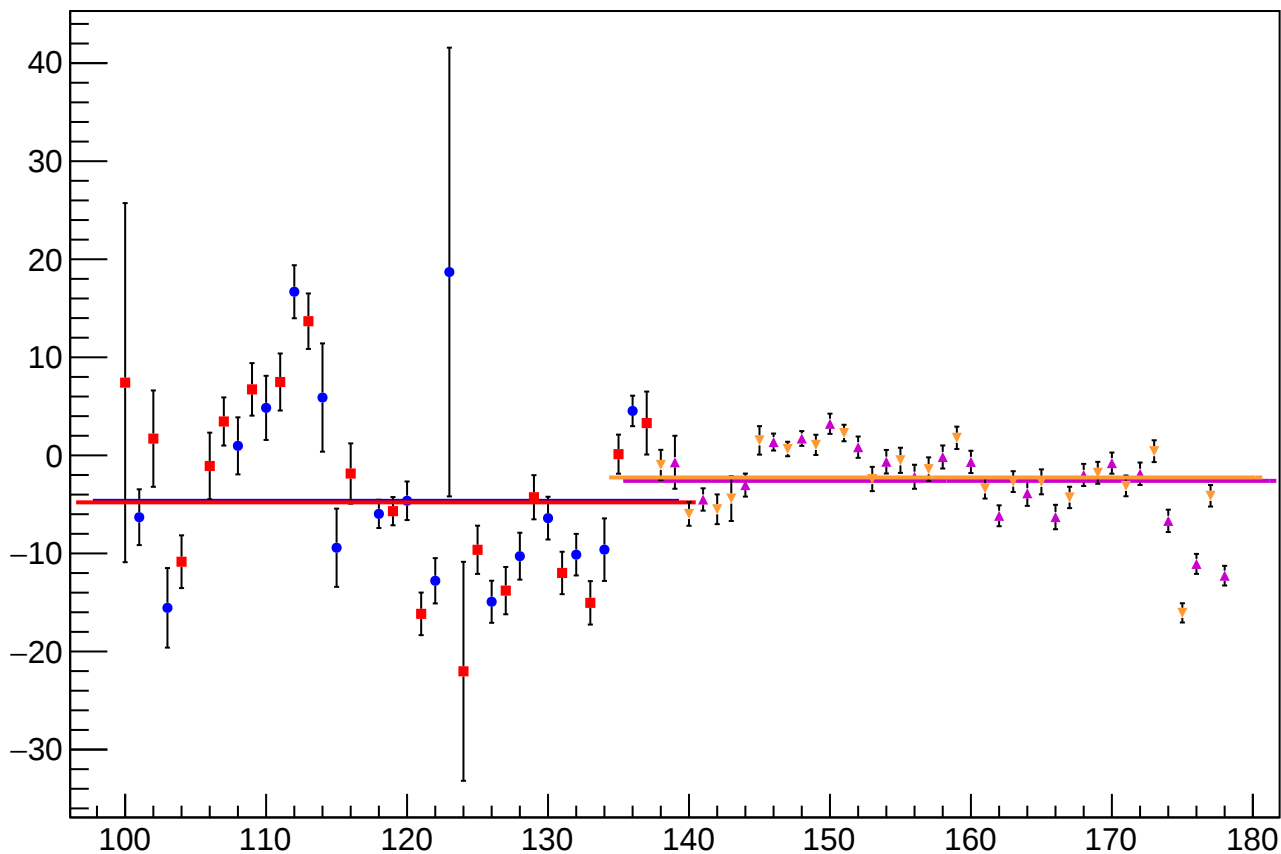
Left In: 22.559+/-0.323 χ^2/NDF : 875.5/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 22.313+/-0.231 χ^2/NDF : 3007.9/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -2.255 ± 0.244 χ^2/NDF : 304.7/20

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

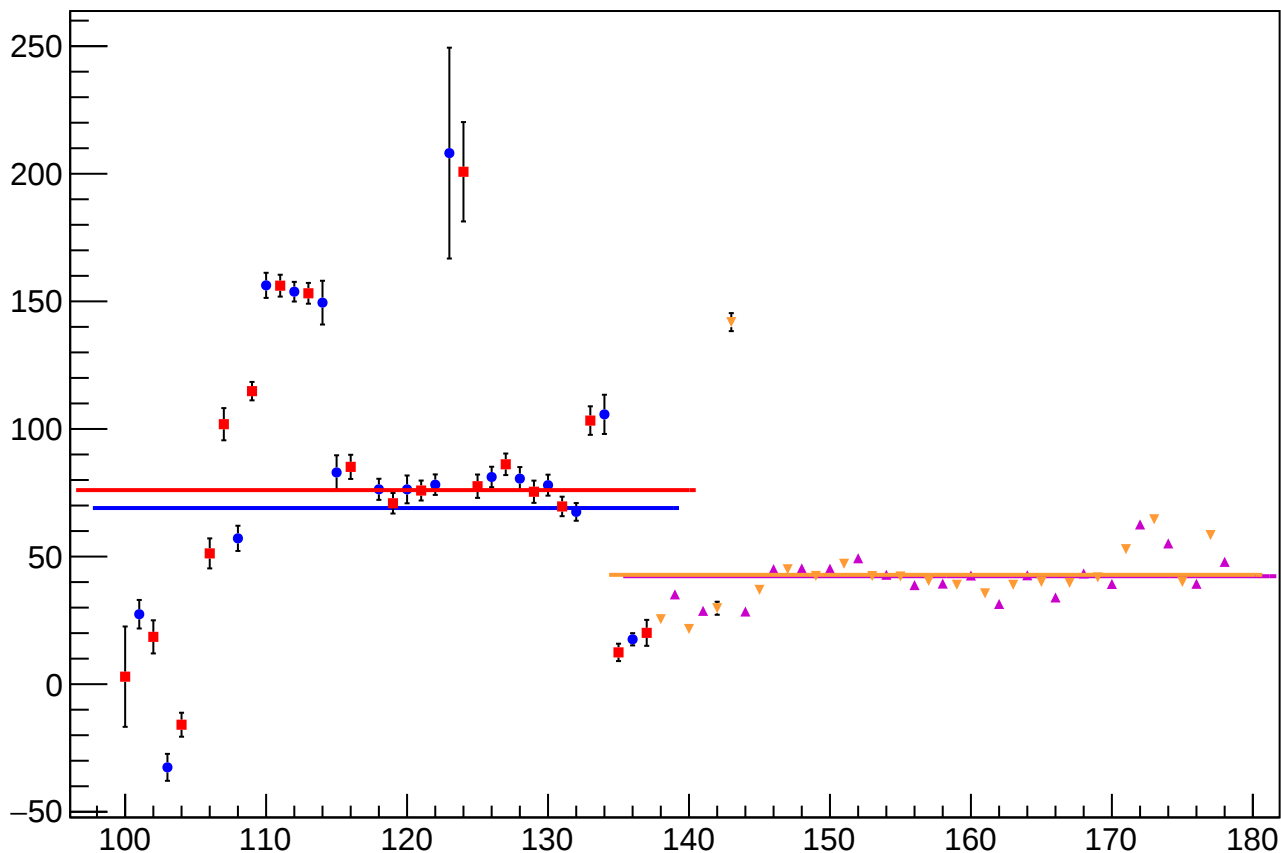
Left In: -2.597 ± 0.245 χ^2/NDF : 308.3/19

+ sign -2.606 ± 0.226 χ^2/NDF : 493.2/37

All: -2.765 ± 0.160 χ^2/NDF : 1007.0/76

- sign -2.925 ± 0.226 χ^2/NDF : 512.8/38

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019 $\pm$ 1.083 χ^2 /NDF: 1848.0/16

Left Out: 42.844 $\pm$ 0.326 χ^2 /NDF:1606.6/20

Right Out: 76.041 $\pm$ 1.070 χ^2 /NDF: 1881.9/18

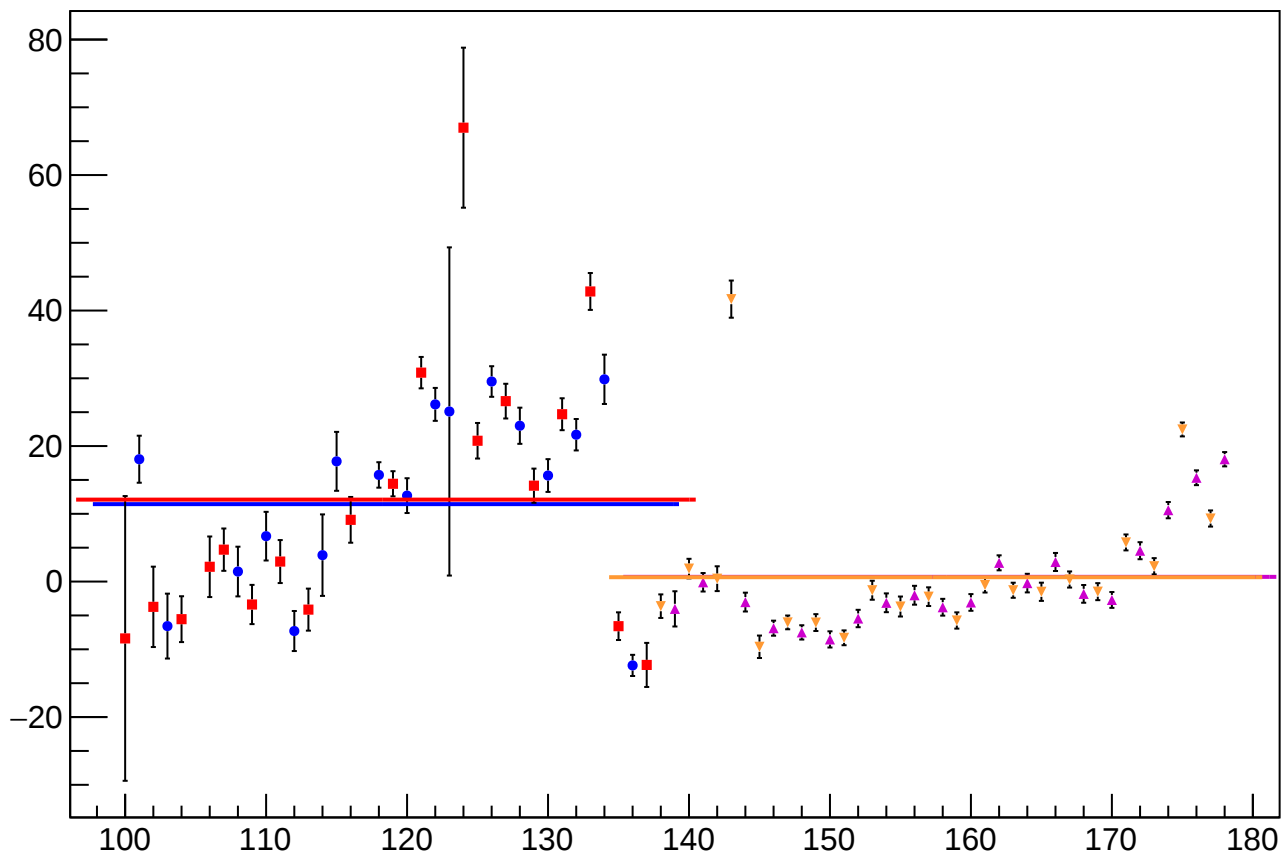
Left In: 42.298 $\pm$ 0.319 χ^2 /NDF:603.7/19

+ sign 45.023 $\pm$ 0.313 χ^2 /NDF: 3989.7/37

All: 45.039 $\pm$ 0.219 χ^2 /NDF: 7388.8/76

- sign 45.054 $\pm$ 0.306 χ^2 /NDF: 3399.1/38

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2 /NDF: 476.8/16

Left Out: 0.643 $\pm$ 0.279 χ^2 /NDF: 985.2/20

Right Out: 12.095 $\pm$ 0.664 χ^2 /NDF: 539.1/18

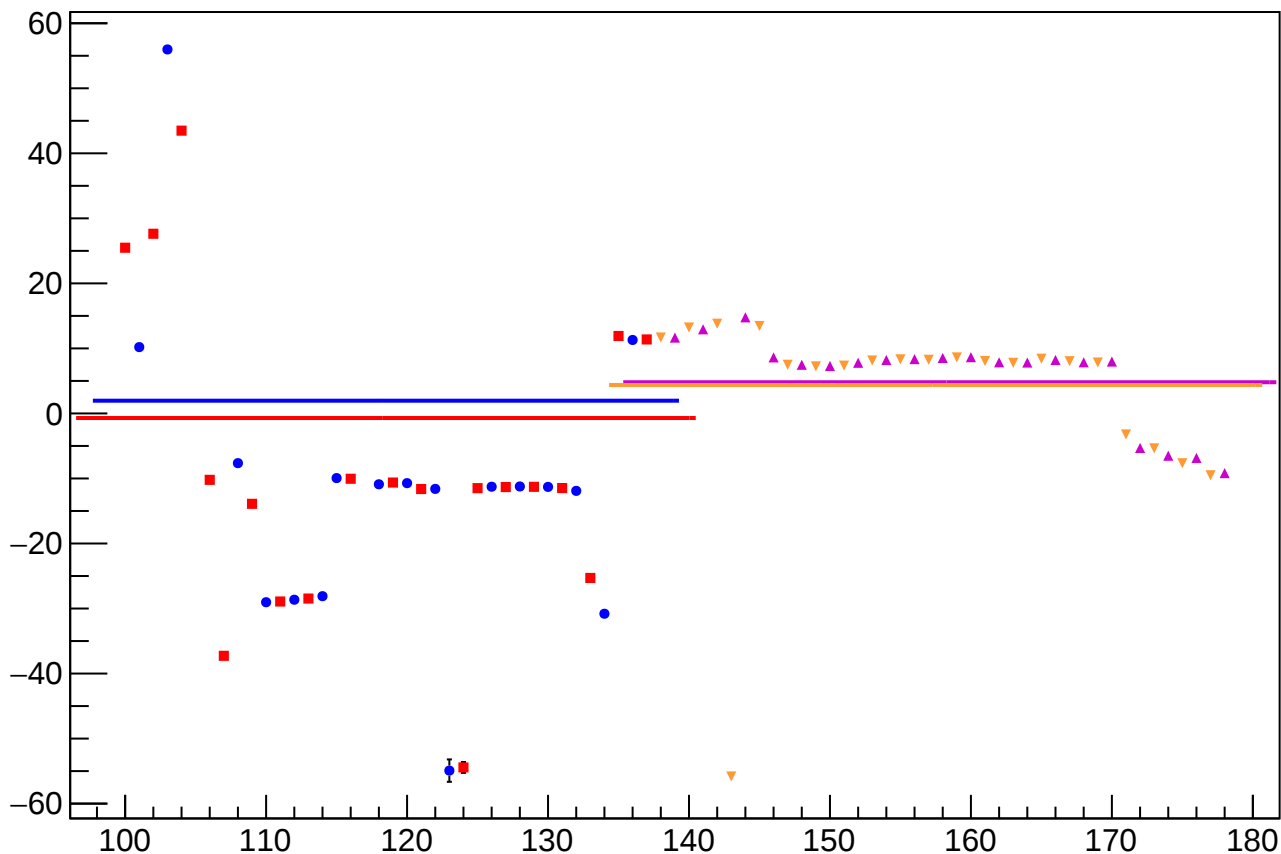
Left In: 0.695 $\pm$ 0.279 χ^2 /NDF: 779.4/19

+ sign 2.257 $\pm$ 0.257 χ^2 /NDF: 1685.3/37

All: 2.332 $\pm$ 0.182 χ^2 /NDF: 3254.6/76

- sign 2.406 $\pm$ 0.257 χ^2 /NDF: 1569.1/38

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 $\pm$ 0.037 χ^2 /NDF: 358457.0/16

Left Out: 4.375 $\pm$ 0.013 χ^2 /NDF: 476802.2/20

Right Out: -0.704 $\pm$ 0.037 χ^2 /NDF: 361168.6/18

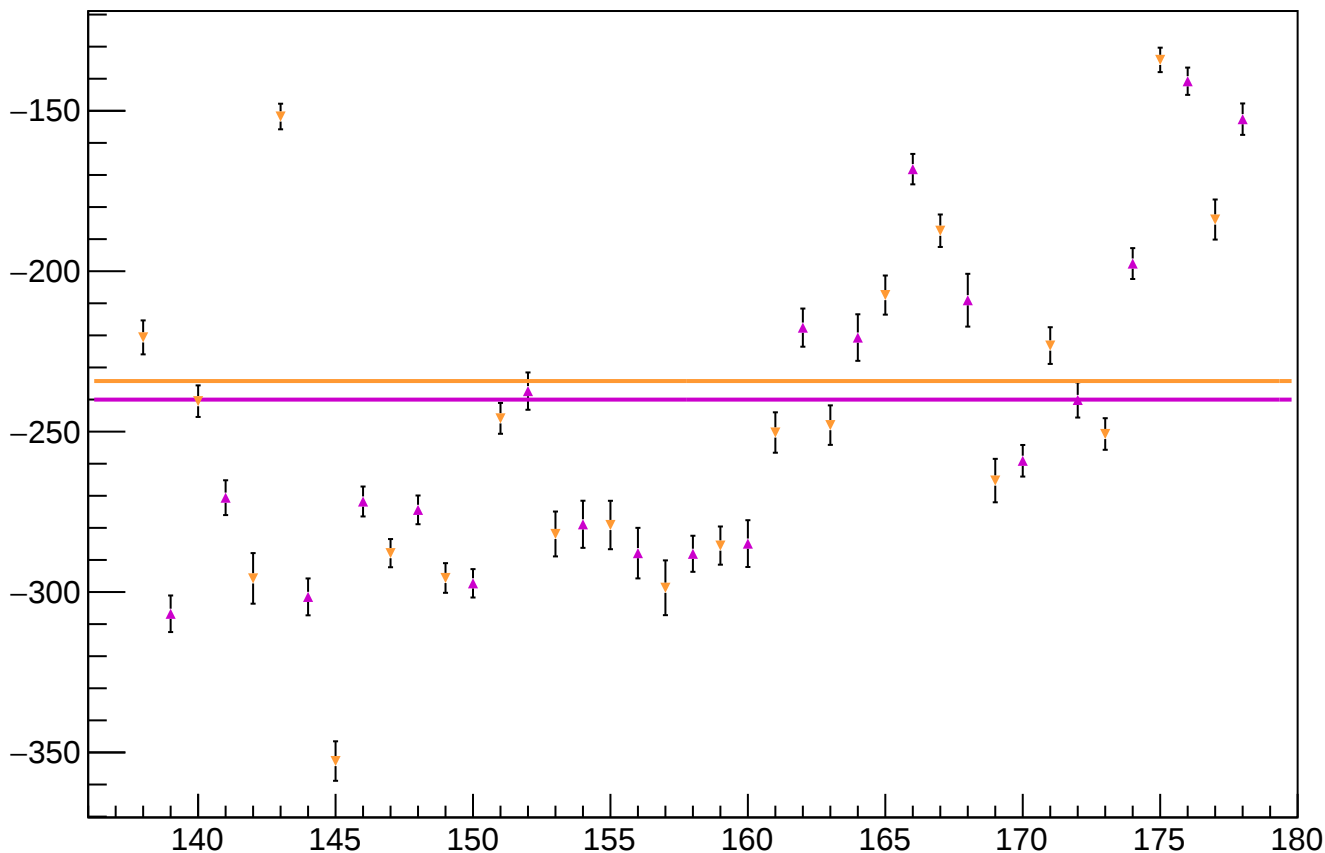
Left In: 4.797 $\pm$ 0.013 χ^2 /NDF: 309529.8/19

+ sign 4.116 $\pm$ 0.012 χ^2 /NDF: 839033.8/37

All: 4.172 $\pm$ 0.009 χ^2 /NDF: 1529454.3/76

- sign 4.226 $\pm$ 0.012 χ^2 /NDF: 690379.0/38

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: -234.235+/-1.187 χ^2/NDF : 2318.3/20

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

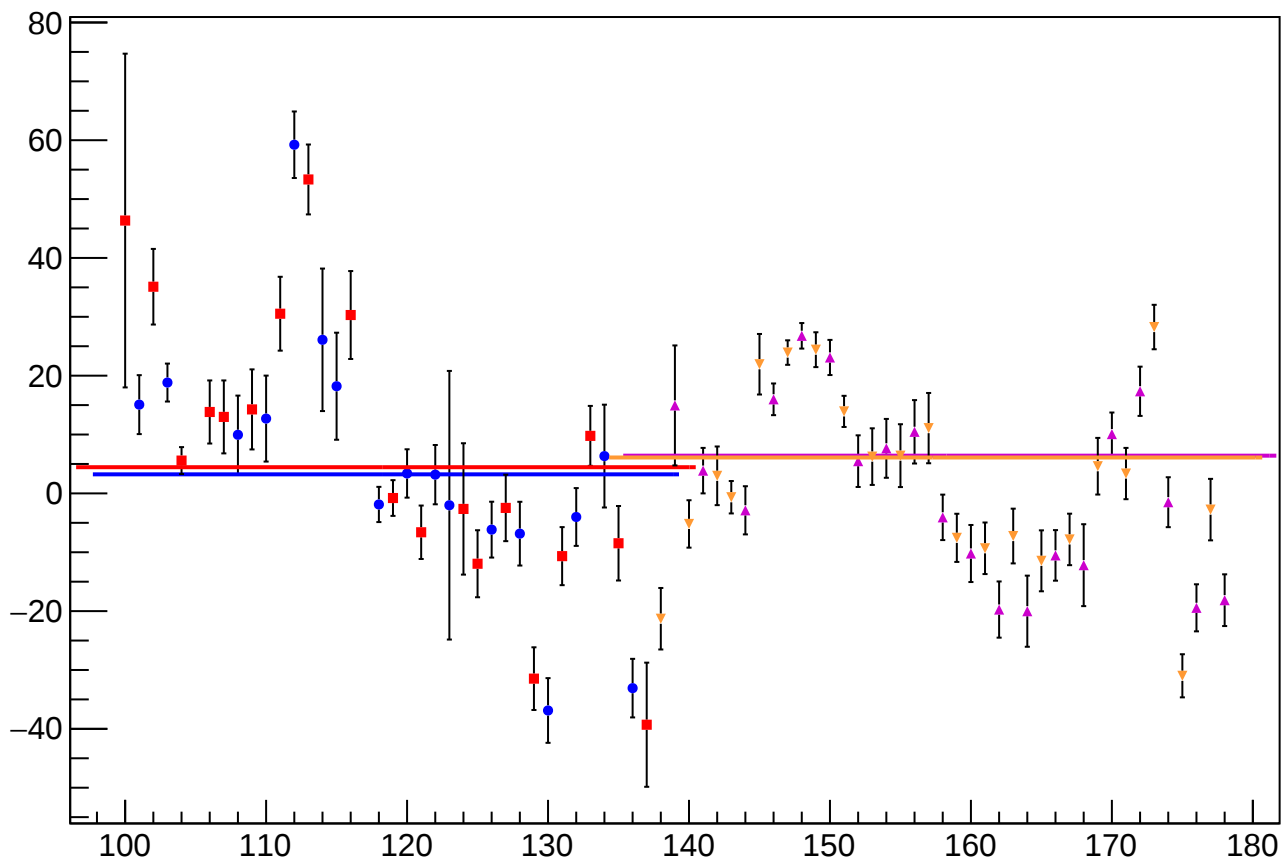
Left In: -240.020+/-1.215 χ^2/NDF : 1952.1/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -237.061+/-0.849 χ^2/NDF : 4282.0/40

- 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: 6.099 ± 0.837 χ^2/NDF : 366.0/20

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

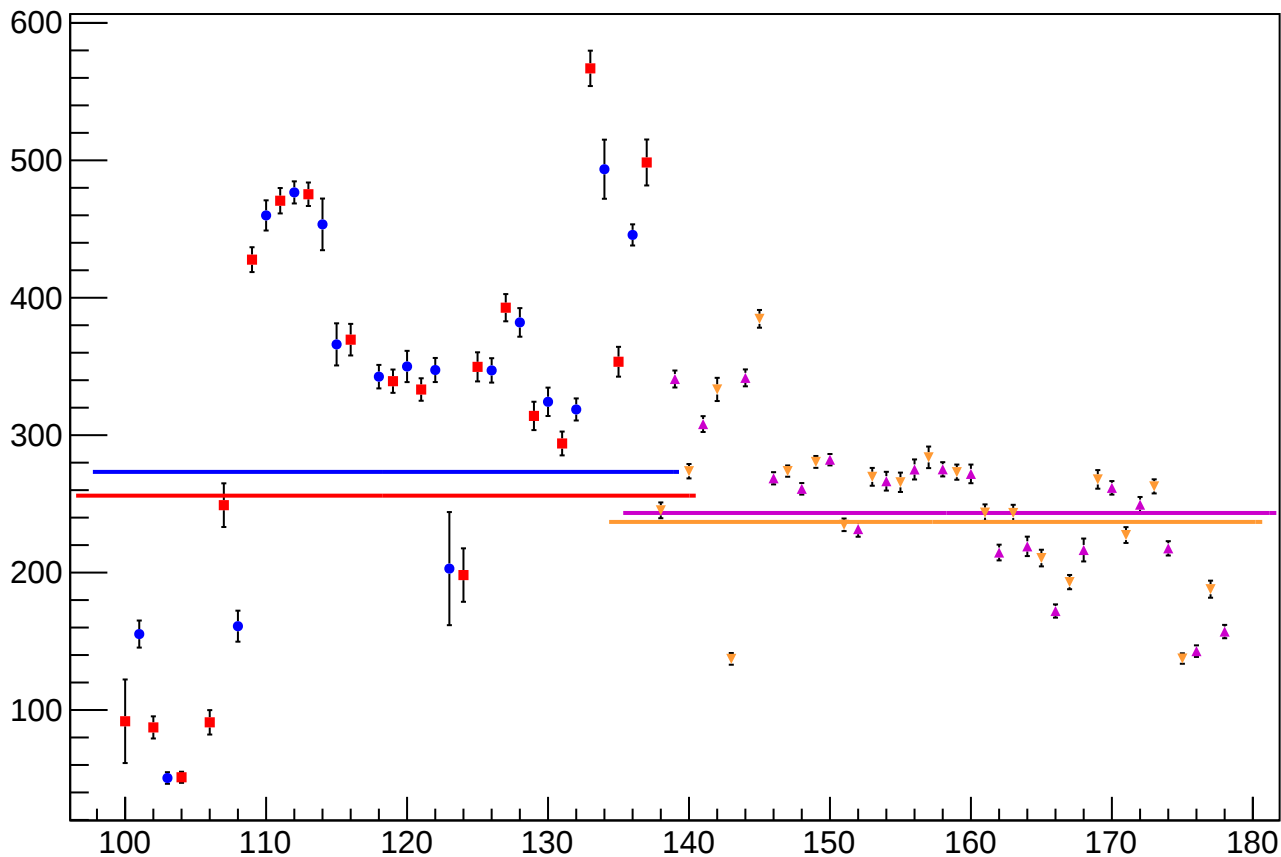
Left In: 6.409 ± 0.883 χ^2/NDF : 314.1/19

+ sign 5.207 ± 0.694 χ^2/NDF : 624.9/37

All: 5.445 ± 0.494 χ^2/NDF : 1166.9/76

- sign 5.688 ± 0.702 χ^2/NDF : 541.7/38

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 ± 2.205 χ^2/NDF : 5101.5/16

Left Out: 236.868 ± 1.179 χ^2/NDF : 2445.9/20

Right Out: 255.985 ± 2.080 χ^2/NDF : 6438.4/18

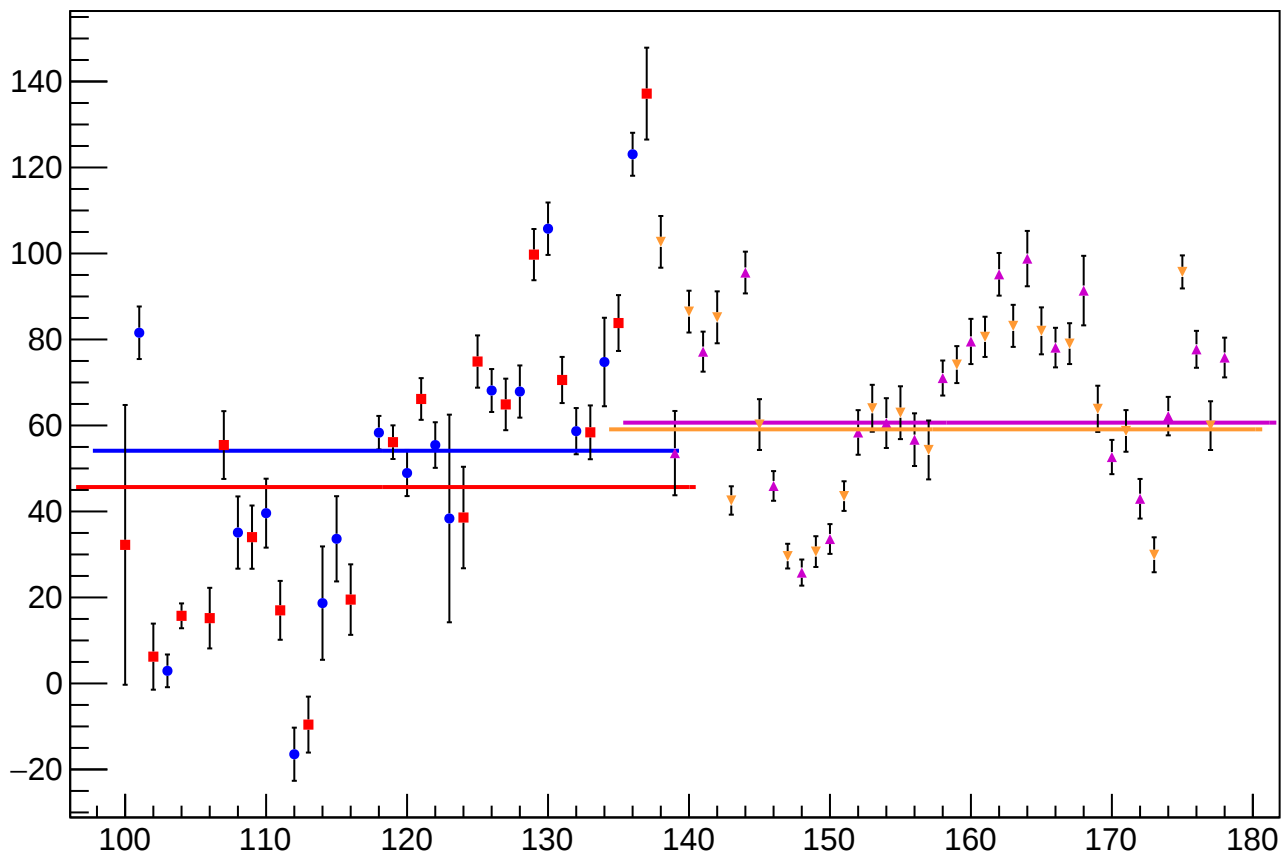
Left In: 243.383 ± 1.199 χ^2/NDF : 2048.0/19

+ sign 244.968 ± 1.040 χ^2/NDF : 7759.5/37

All: 245.748 ± 0.735 χ^2/NDF : 16274.6/76

- sign 246.527 ± 1.039 χ^2/NDF : 8514.0/38

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 59.097 $\pm$ 0.981 χ^2 /NDF:554.5/20

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

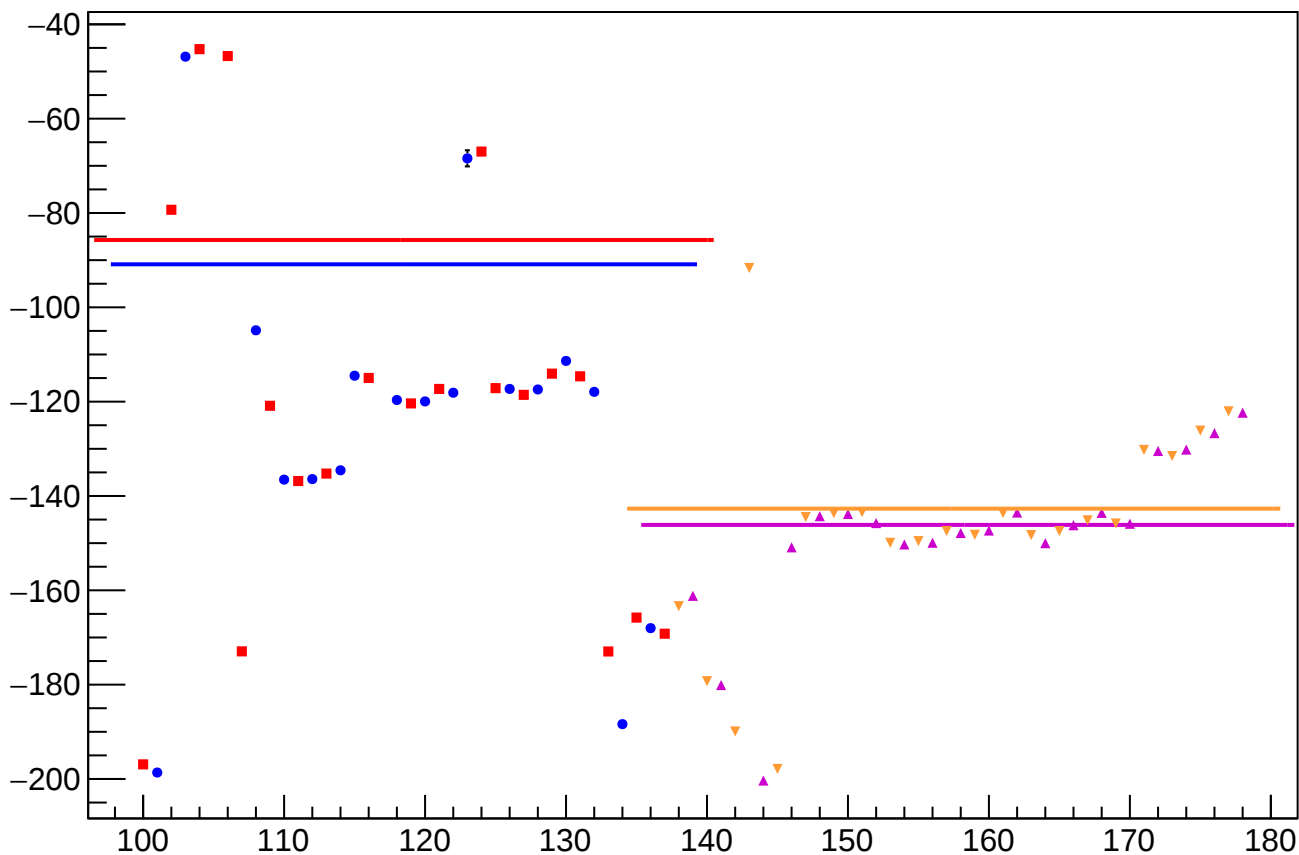
Left In: 60.654 $\pm$ 1.024 χ^2 /NDF:453.6/19

+ sign 57.515 $\pm$ 0.810 χ^2 /NDF: 1196.6/37

All: 56.377 $\pm$ 0.576 χ^2 /NDF: 2262.8/76

- sign 55.218 $\pm$ 0.818 χ^2 /NDF: 1062.2/38

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: -142.684 ± 0.047 χ^2/NDF : 215849.4/20

Right Out: -85.722 ± 0.065 χ^2/NDF : 494183.1/18

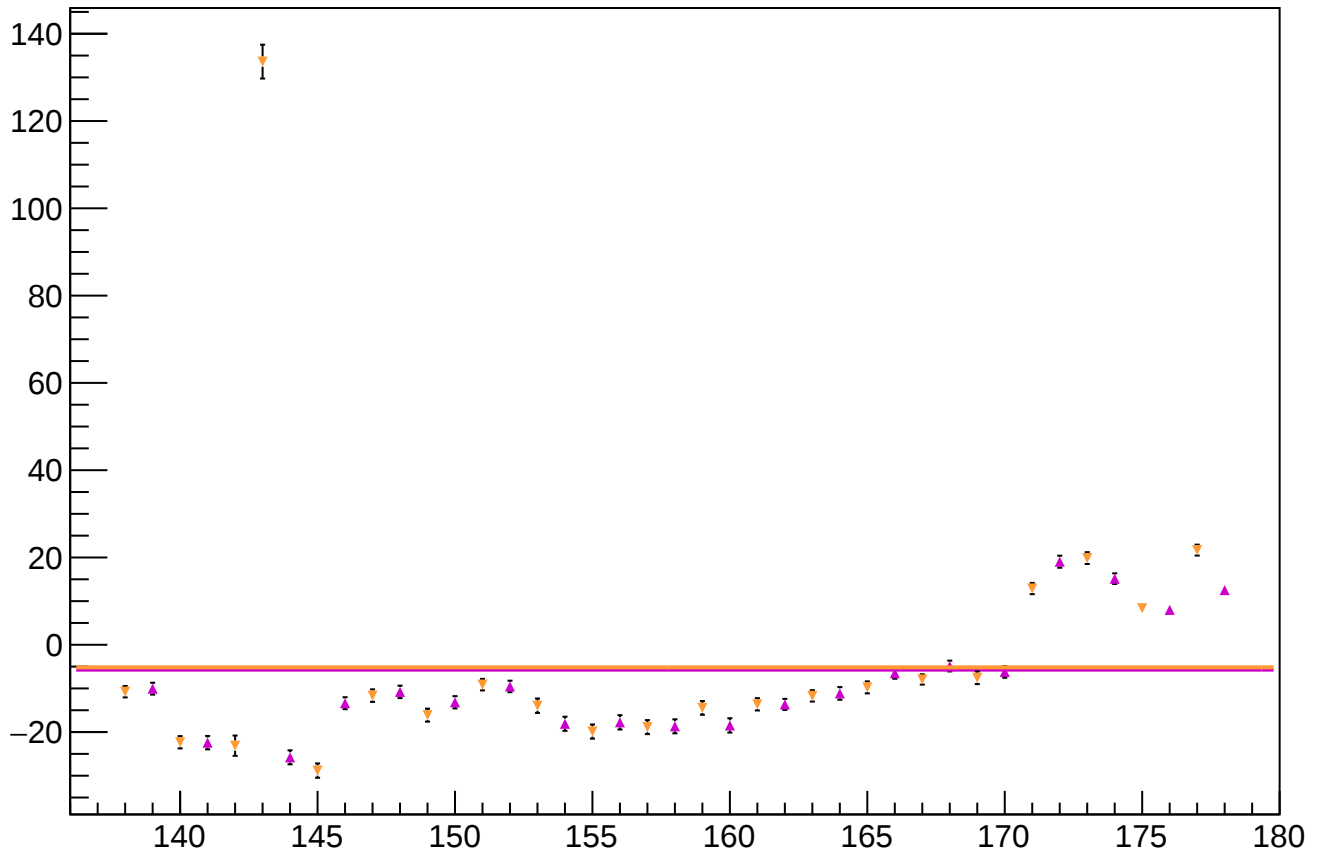
Left In: -146.132 ± 0.048 χ^2/NDF : 102696.8/19

+ sign -125.616 ± 0.039 χ^2/NDF : 1141243.5/37

All: -125.200 ± 0.027 χ^2/NDF : 2295812.1/76

- sign -124.789 ± 0.039 χ^2/NDF : 1154341.5/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



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

Left Out: -5.175 $\pm$ 0.310 χ^2 /NDF:3292.1/20

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

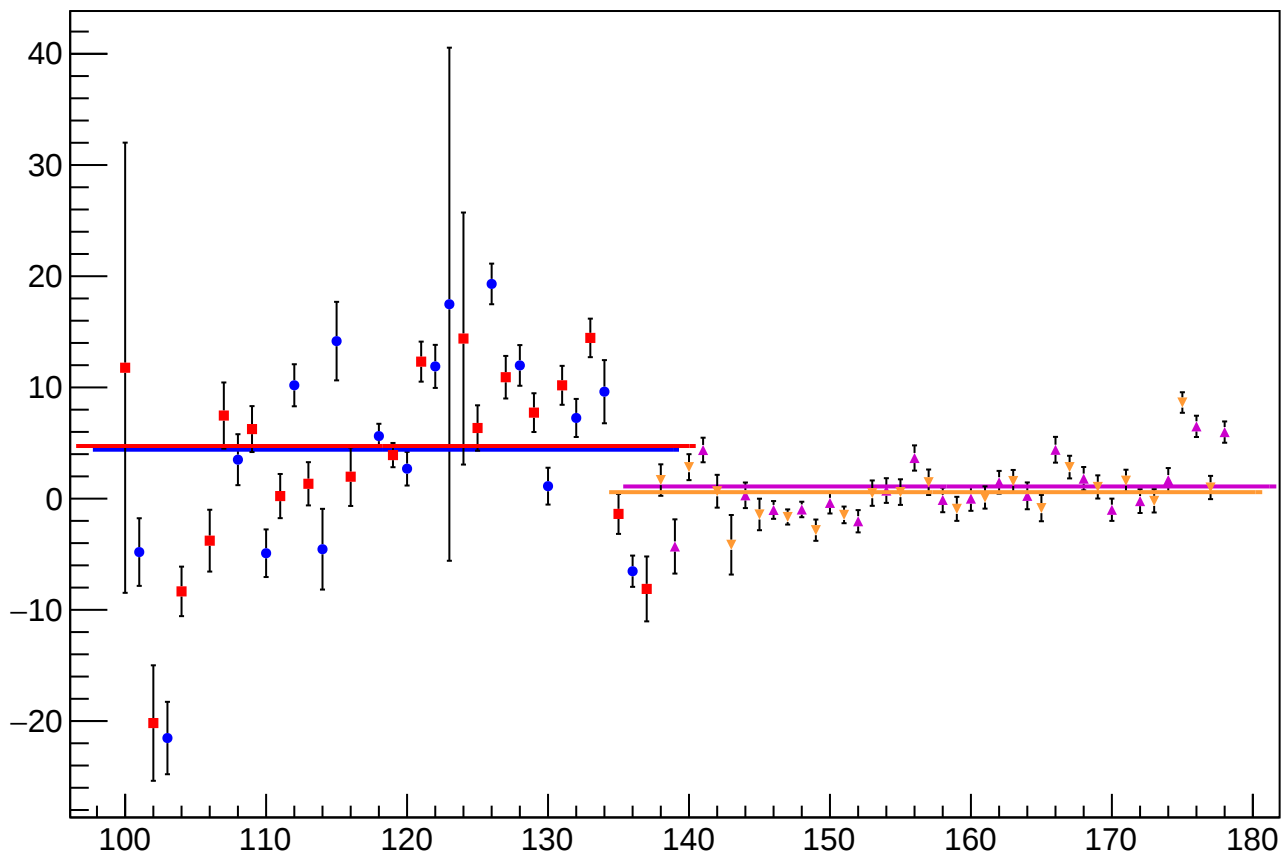
Left In: -5.698 $\pm$ 0.302 χ^2 /NDF:1747.8/19

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

All: -5.442 $\pm$ 0.216 χ^2 /NDF: 5041.4/40

- sign 0.000 $\pm$ 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: 0.582 ± 0.229 χ^2/NDF : 128.6/20

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

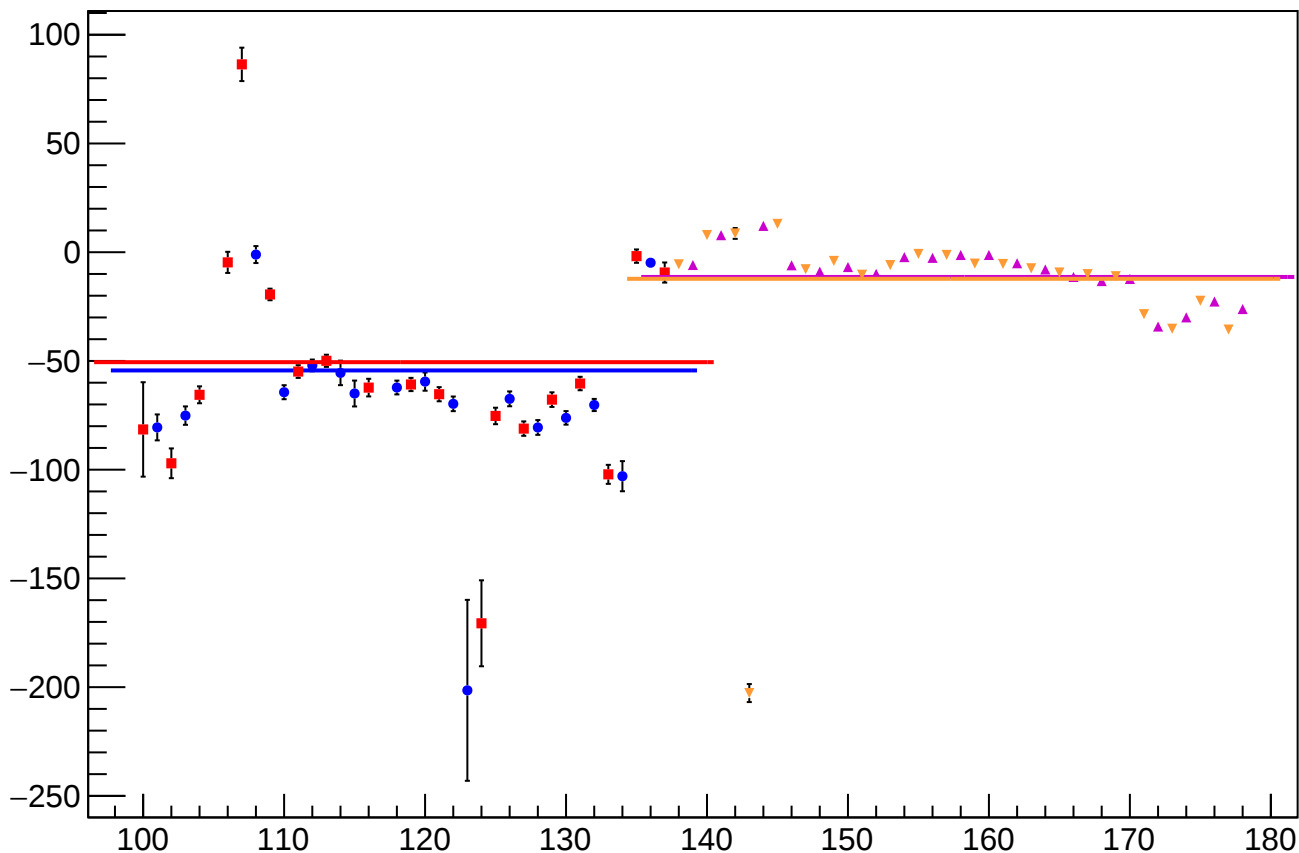
Left In: 1.095 ± 0.230 χ^2/NDF : 122.8/19

+ sign 1.310 ± 0.206 χ^2/NDF : 468.6/37

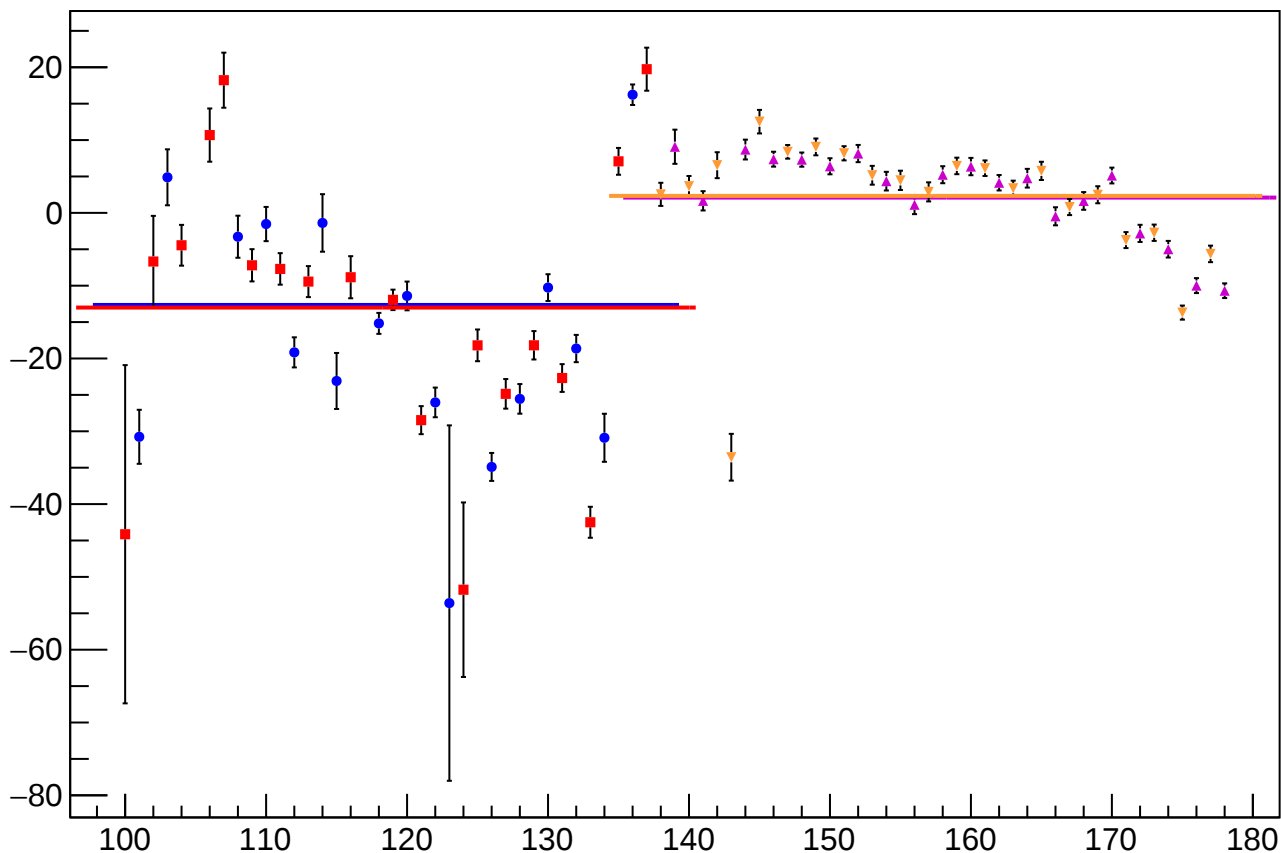
All: 1.549 ± 0.146 χ^2/NDF : 824.8/76

- sign 1.791 ± 0.207 χ^2/NDF : 353.5/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 2.333 ± 0.262 χ^2/NDF : 701.6/20

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

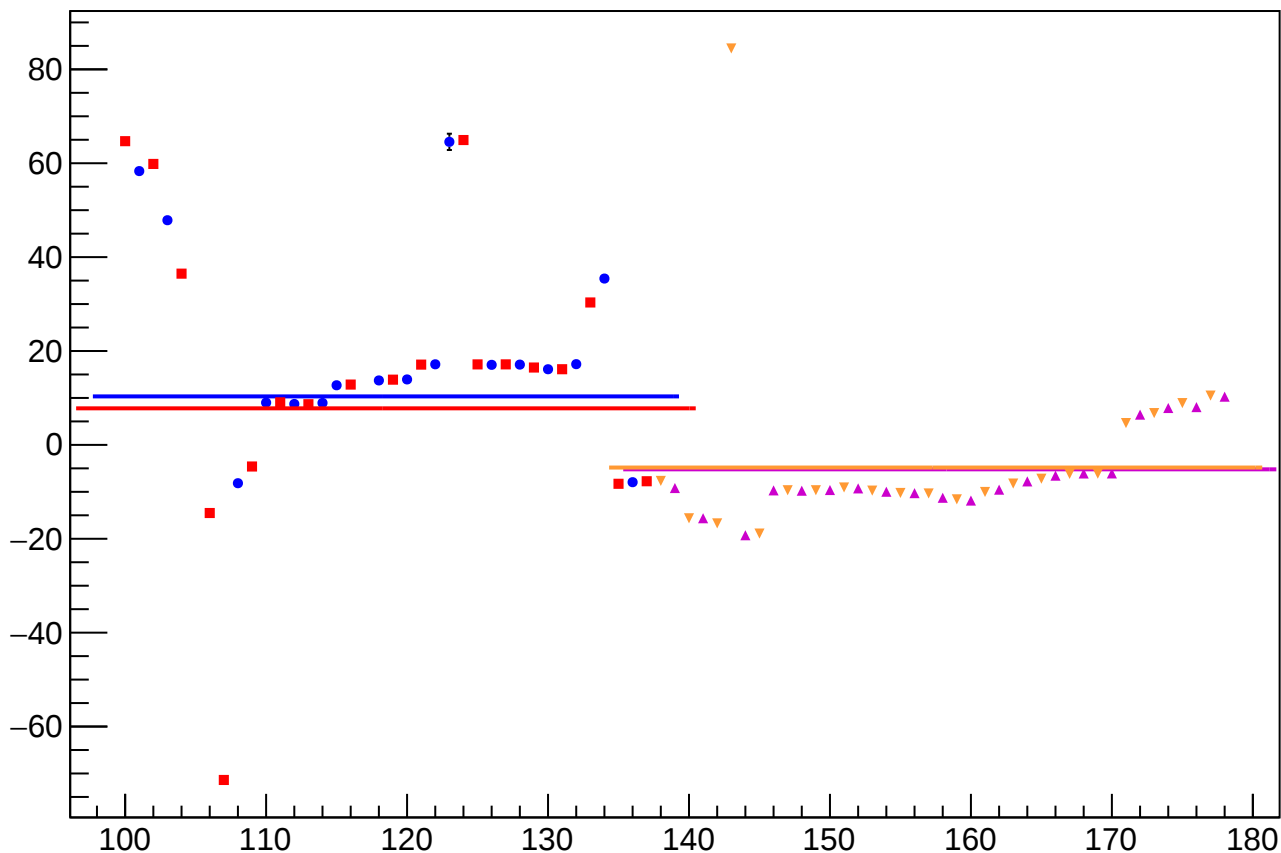
Left In: 2.100 ± 0.262 χ^2/NDF : 528.8/19

+ sign -0.547 ± 0.235 χ^2/NDF : 2120.4/37

All: -0.672 ± 0.166 χ^2/NDF : 4009.3/76

- sign -0.798 ± 0.235 χ^2/NDF : 1888.4/38

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330 $\pm$ 0.031 χ^2 /NDF: 380857.1/16

Left Out: -4.826 $\pm$ 0.012 χ^2 /NDF: 745033.7/20

Right Out: 7.786 $\pm$ 0.031 χ^2 /NDF: 544119.7/18

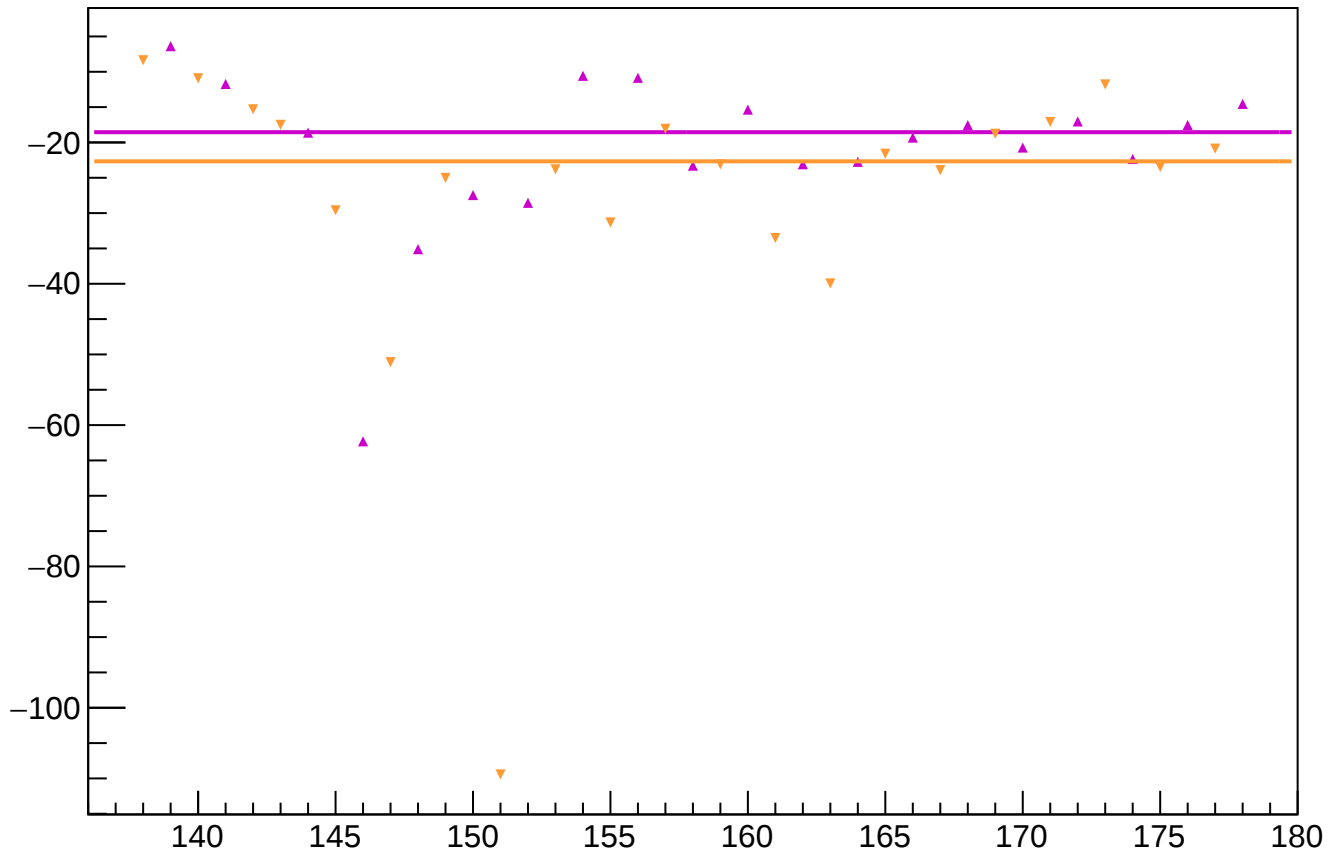
Left In: -5.209 $\pm$ 0.012 χ^2 /NDF: 466366.4/19

+ sign -2.798 $\pm$ 0.011 χ^2 /NDF: 1337326.6/37

All: -3.197 $\pm$ 0.008 χ^2 /NDF: 2501096.3/76

- sign -3.585 $\pm$ 0.011 χ^2 /NDF: 1161274.7/38

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -22.675 $\pm$ 0.049 χ^2/NDF : 62624.1/20

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

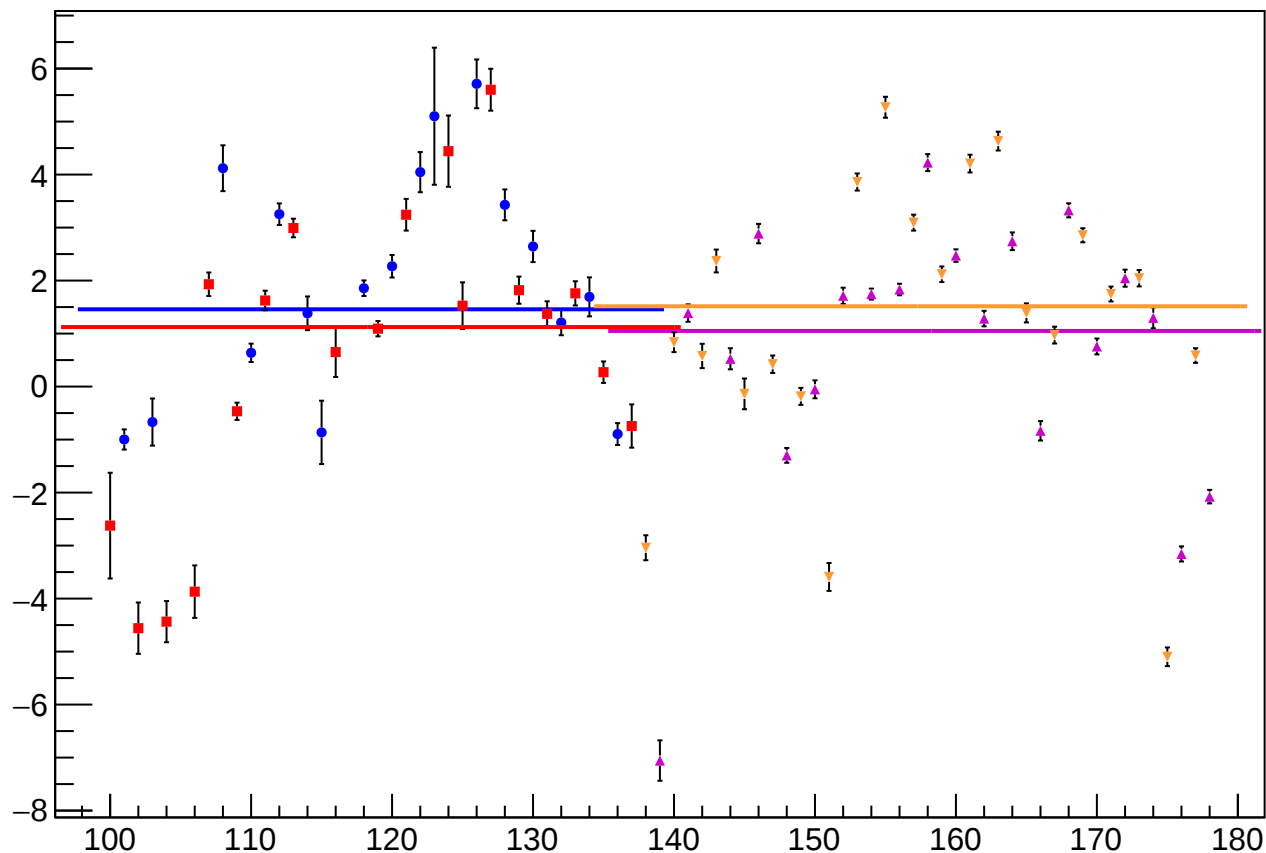
Left In: -18.547 $\pm$ 0.044 χ^2/NDF : 38515.8/19

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

All: -20.368 $\pm$ 0.033 χ^2/NDF : 105094.8/40

- sign 0.000 $\pm$ 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: 1.515 ± 0.037 χ^2/NDF : 3835.5/20

Right Out: 1.123 ± 0.058 χ^2/NDF : 947.4/18

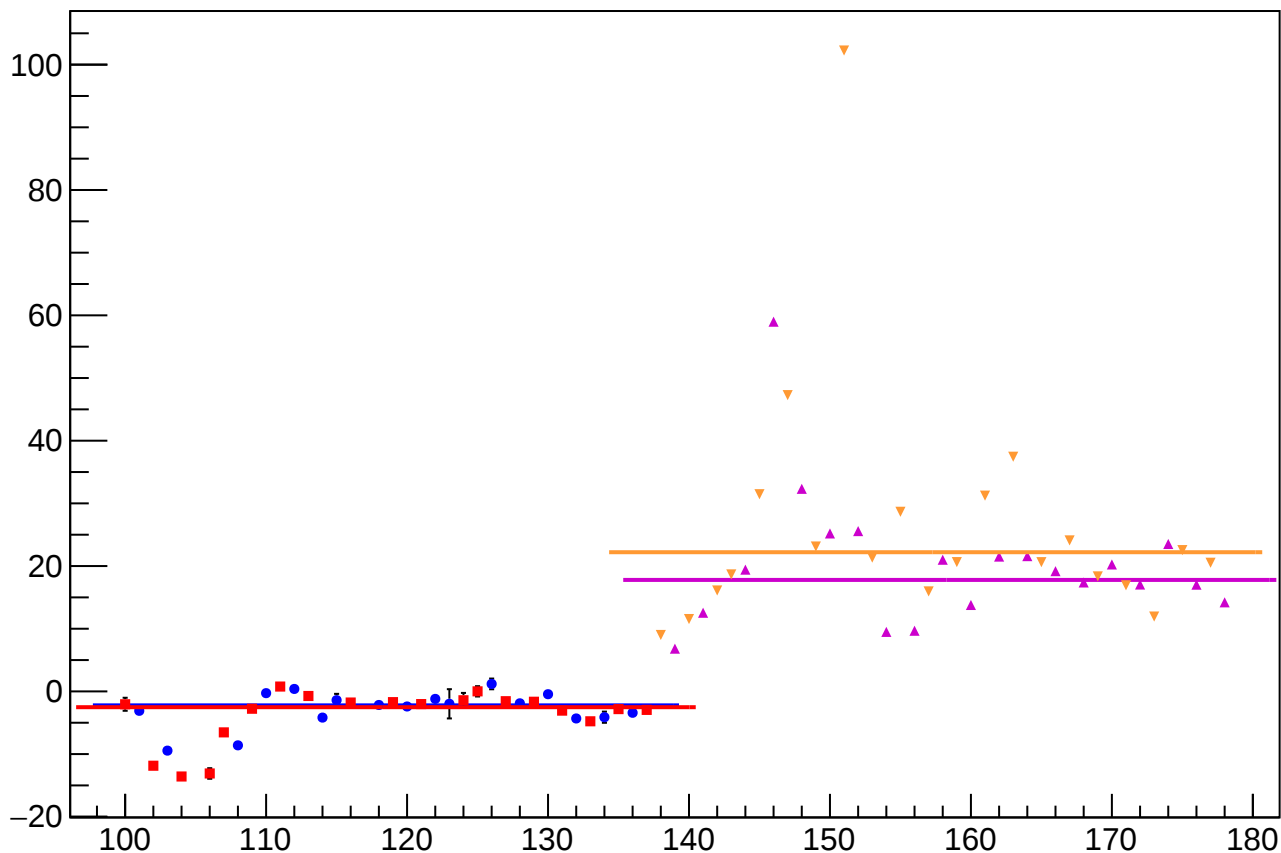
Left In: 1.050 ± 0.033 χ^2/NDF : 3558.5/19

+ sign 1.500 ± 0.032 χ^2/NDF : 4534.3/37

All: 1.262 ± 0.021 χ^2/NDF : 9141.9/76

- sign 1.068 ± 0.029 χ^2/NDF : 4507.1/38

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 22.207 ± 0.049 χ^2/NDF : 55793.6/20

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

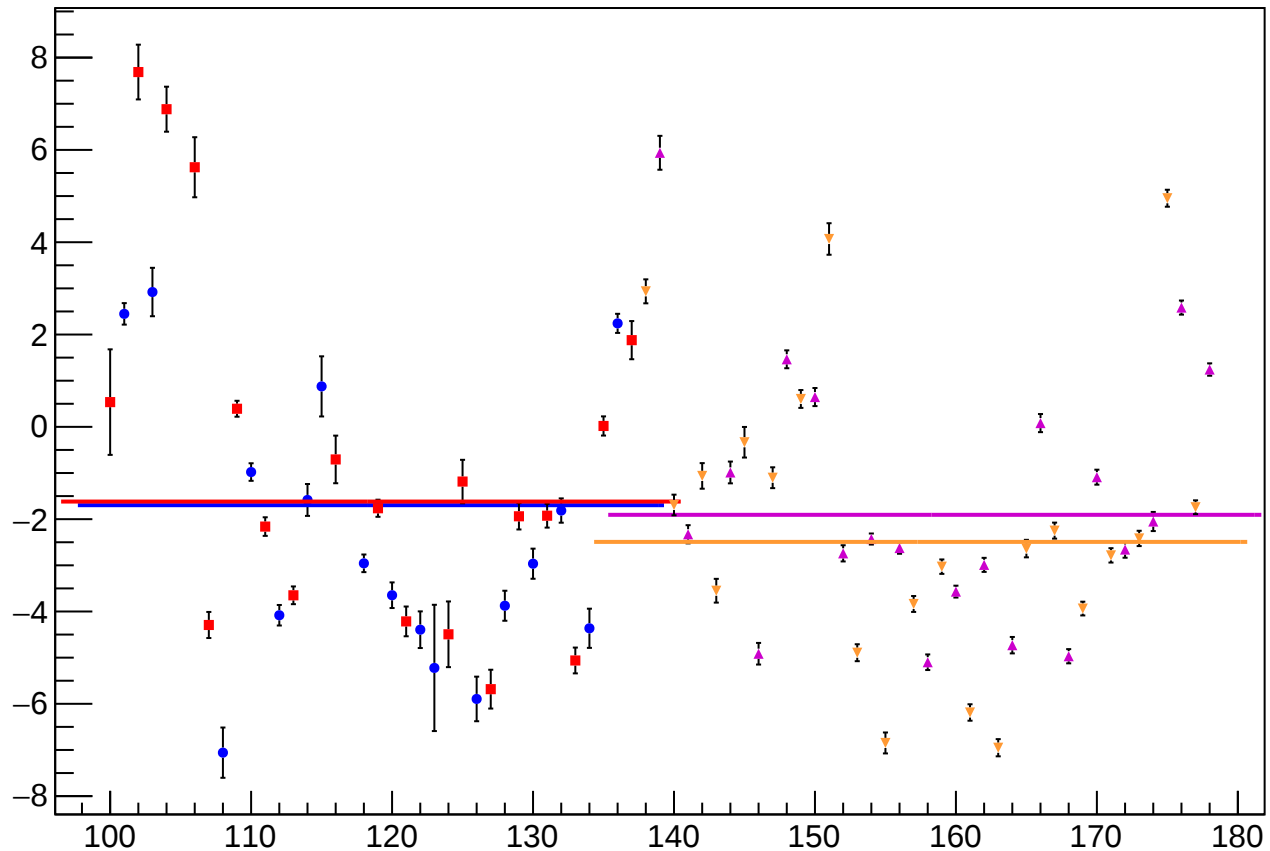
Left In: 17.787 ± 0.043 χ^2/NDF : 36596.5/19

+ sign 18.286 ± 0.045 χ^2/NDF : 96742.1/37

All: 16.207 ± 0.029 χ^2/NDF : 173583.1/76

- sign 14.596 ± 0.039 χ^2/NDF : 72980.4/38

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697+/-0.071 χ^2/NDF : 1319.4/16

Left Out: -2.492+/-0.042 χ^2/NDF : 4577.5/20

Right Out: -1.618+/-0.066 χ^2/NDF : 1489.2/18

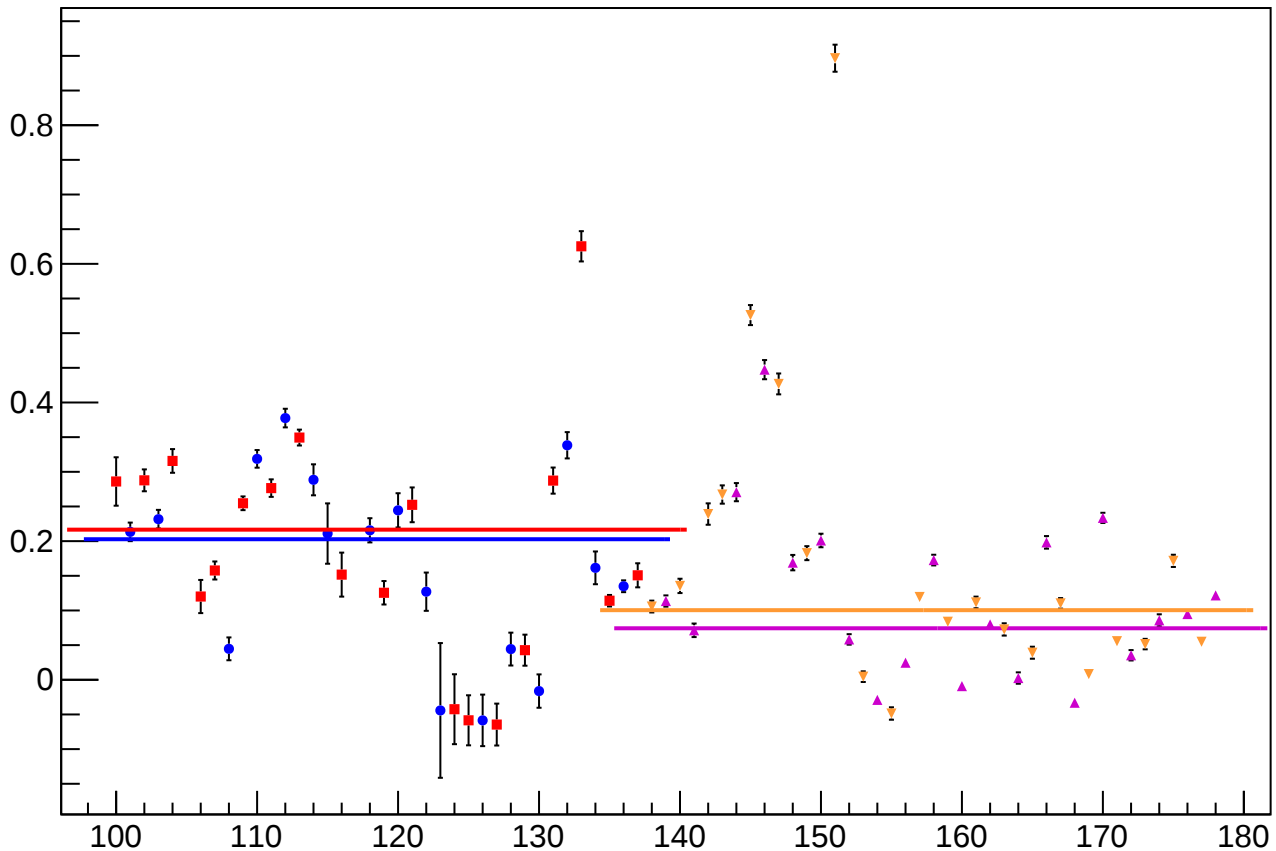
Left In: -1.906+/-0.037 χ^2/NDF : 3972.3/19

+ sign -2.287+/-0.036 χ^2/NDF : 5989.7/37

All: -2.037+/-0.024 χ^2/NDF : 11552.2/76

- sign -1.836+/-0.032 χ^2/NDF : 5476.0/38

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.100 ± 0.002 χ^2/NDF : 4217.9/20

Right Out: 0.217 ± 0.004 χ^2/NDF : 1064.4/18

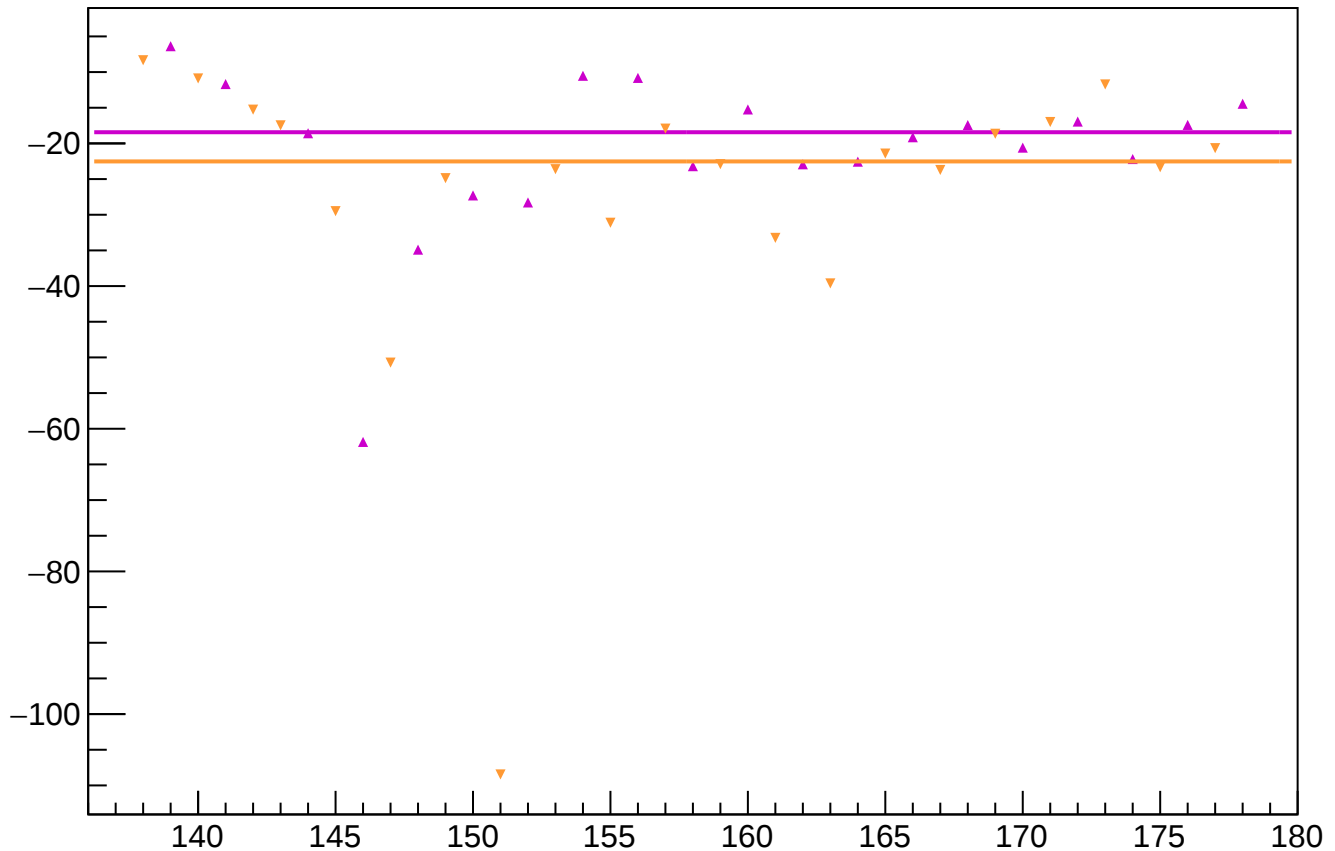
Left In: 0.074 ± 0.002 χ^2/NDF : 3274.0/19

+ sign 0.118 ± 0.002 χ^2/NDF : 5399.0/37

All: 0.106 ± 0.001 χ^2/NDF : 11056.4/76

- sign 0.097 ± 0.001 χ^2/NDF : 5577.3/38

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -22.525+/-0.049 χ^2/NDF : 62448.4/20

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

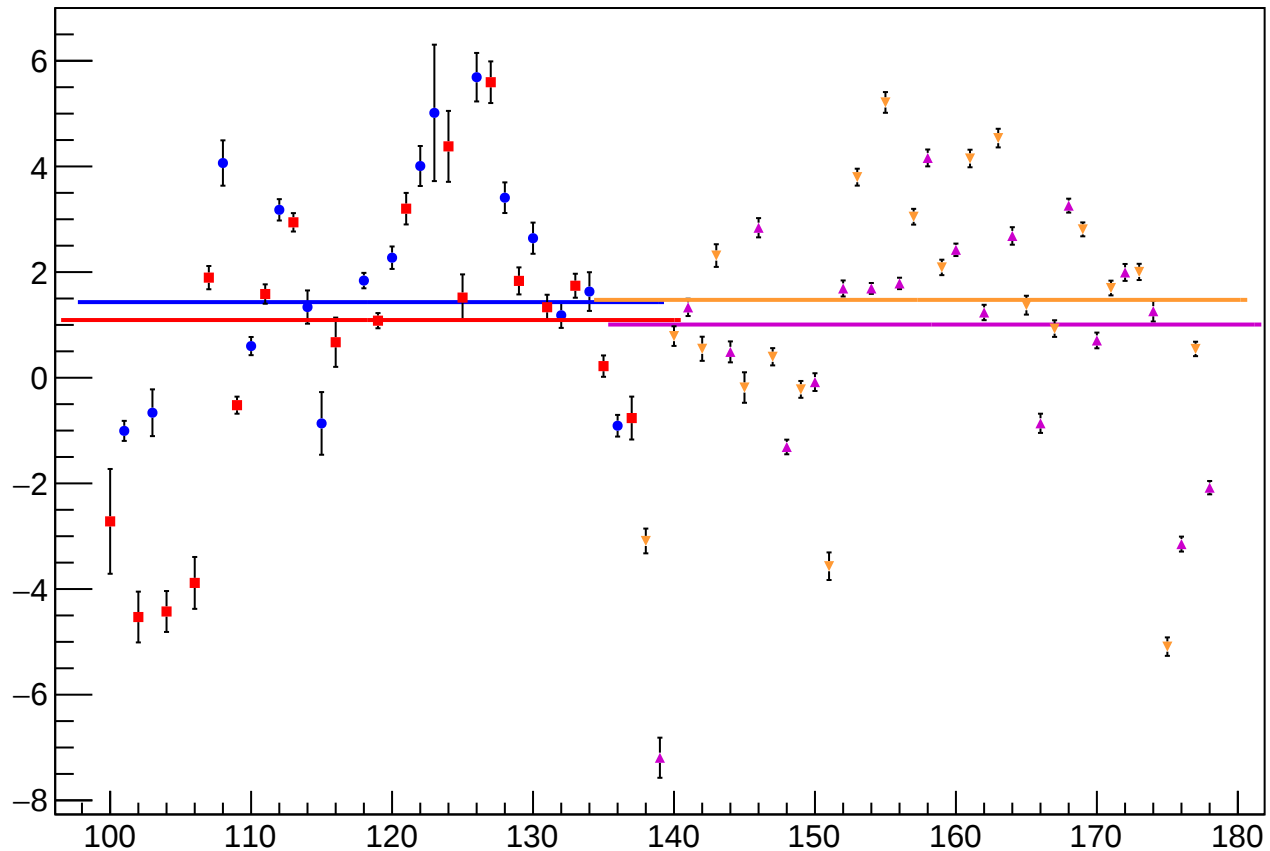
Left In: -18.432+/-0.043 χ^2/NDF : 38437.7/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.238+/-0.032 χ^2/NDF : 104826.6/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 $\pm$ 0.062 χ^2 /NDF: 696.6/16

Left Out: 1.474 $\pm$ 0.037 χ^2 /NDF: 3835.2/20

Right Out: 1.092 $\pm$ 0.058 χ^2 /NDF: 953.2/18

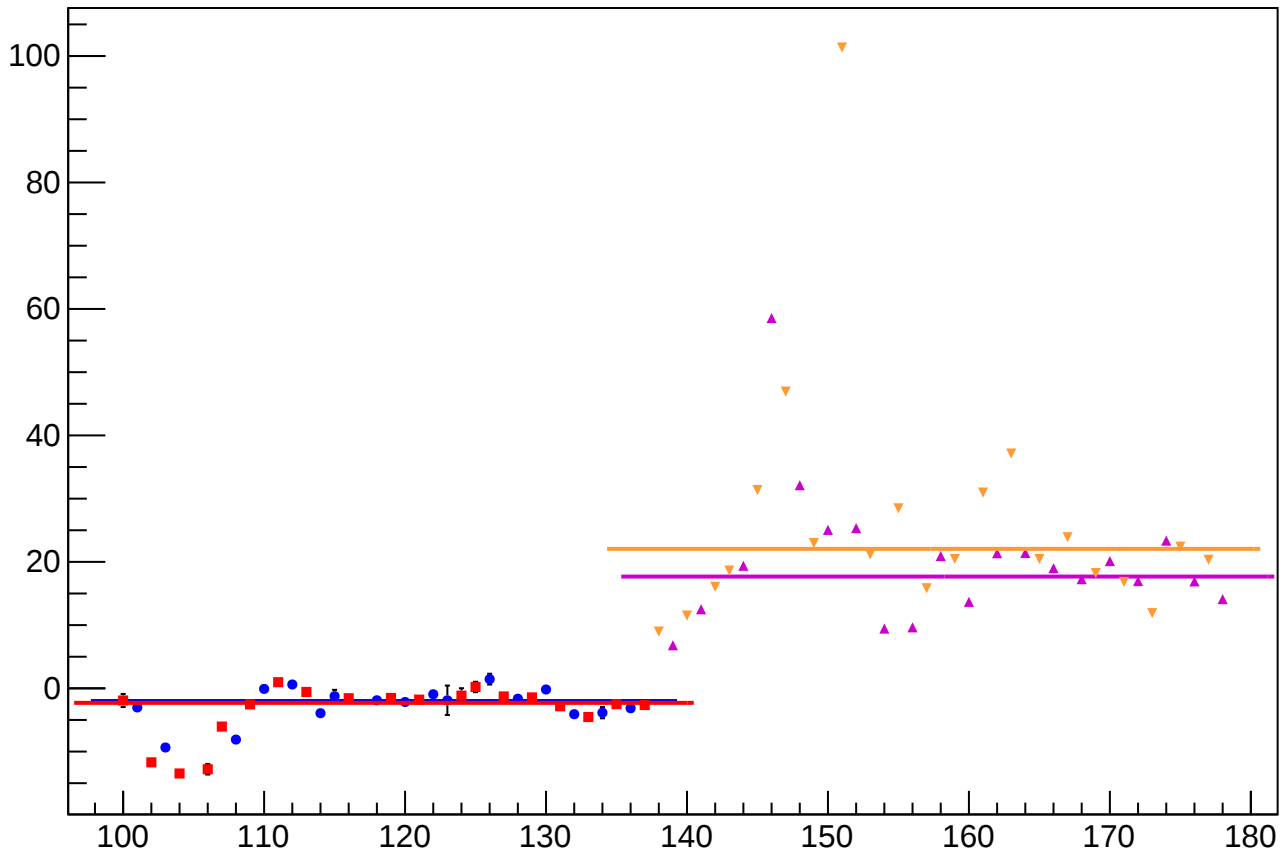
Left In: 1.007 $\pm$ 0.033 χ^2 /NDF: 3553.8/19

+ sign 1.463 $\pm$ 0.032 χ^2 /NDF: 4532.1/37

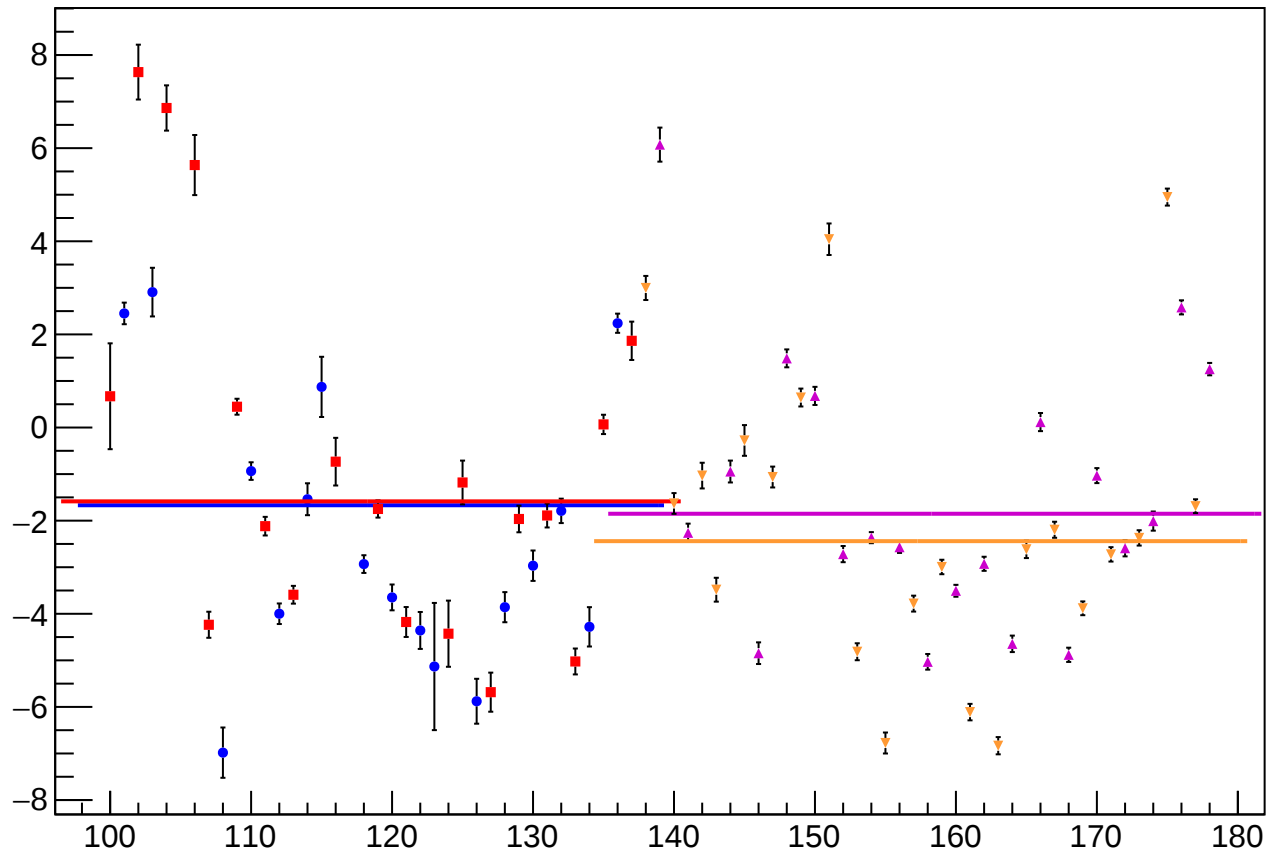
All: 1.223 $\pm$ 0.021 χ^2 /NDF: 9143.8/76

- sign 1.028 $\pm$ 0.029 χ^2 /NDF: 4508.6/38

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: -2.440 $\pm$ 0.042 χ^2/NDF : 4575.3/20

Right Out: -1.585 $\pm$ 0.065 χ^2/NDF : 1494.7/18

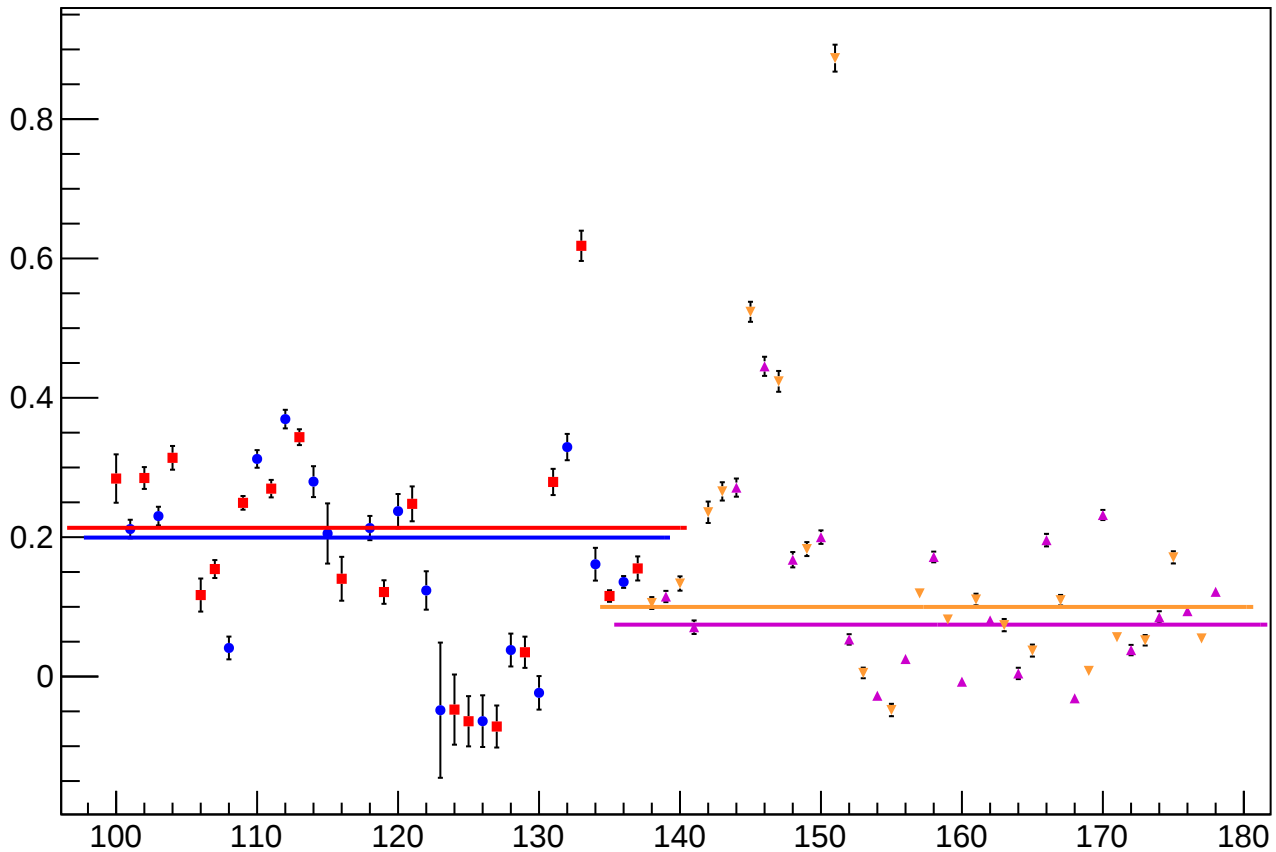
Left In: -1.852 $\pm$ 0.037 χ^2/NDF : 3966.2/19

+ sign -2.242 $\pm$ 0.036 χ^2/NDF : 5978.4/37

All: -1.990 $\pm$ 0.024 χ^2/NDF : 11540.8/76

- sign -1.787 $\pm$ 0.032 χ^2/NDF : 5473.5/38

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.100 ± 0.002 χ^2/NDF : 4210.0/20

Right Out: 0.213 ± 0.004 χ^2/NDF : 1048.2/18

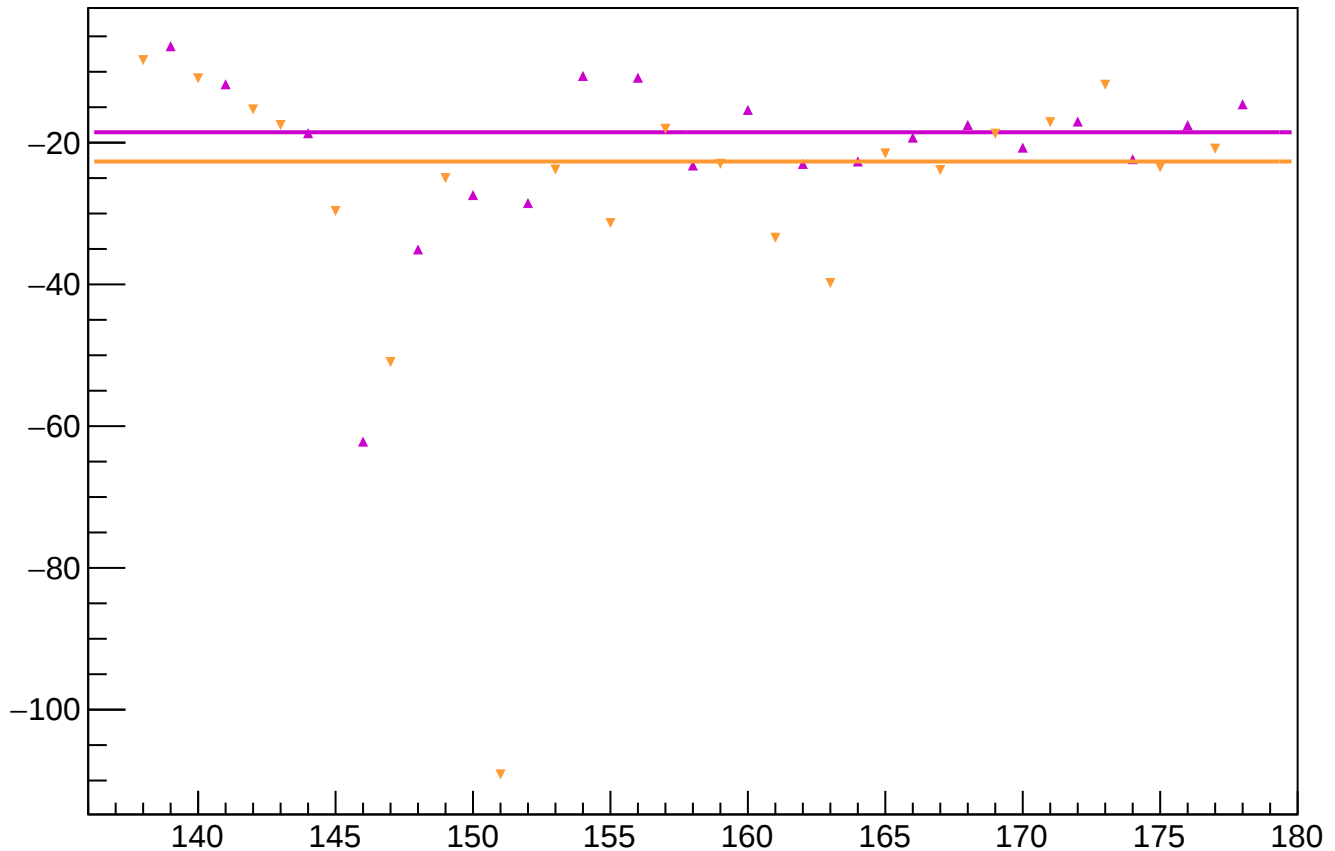
Left In: 0.074 ± 0.002 χ^2/NDF : 3246.7/19

+ sign 0.117 ± 0.002 χ^2/NDF : 5354.5/37

All: 0.106 ± 0.001 χ^2/NDF : 10920.4/76

- sign 0.097 ± 0.001 χ^2/NDF : 5489.6/38

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -22.656 ± 0.049 χ^2/NDF : 62552.2/20

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

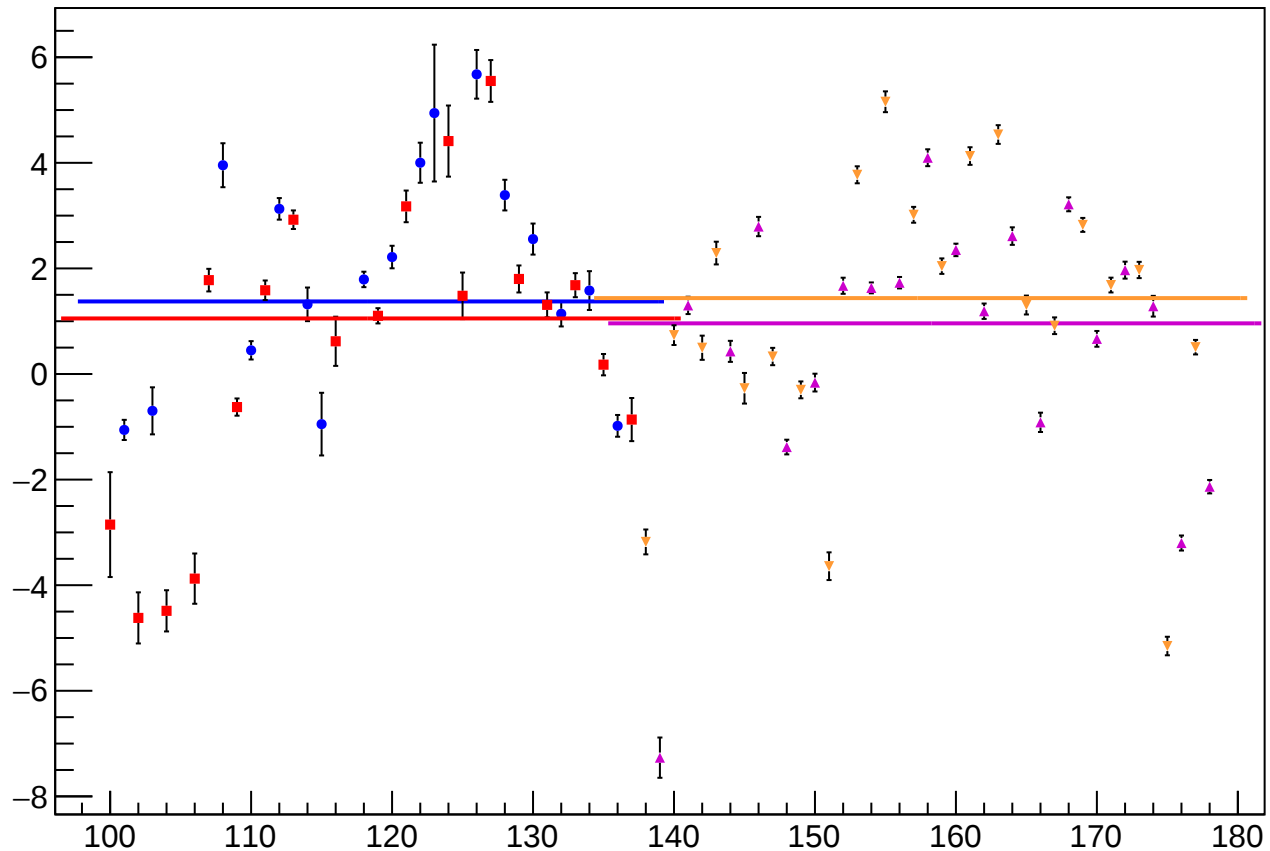
Left In: -18.535 ± 0.043 χ^2/NDF : 38475.8/19

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -20.353 ± 0.033 χ^2/NDF : 104989.8/40

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 $\pm$ 0.062 χ^2 /NDF: 702.4/16

Left Out: 1.438 $\pm$ 0.037 χ^2 /NDF: 3854.3/20

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 964.0/18

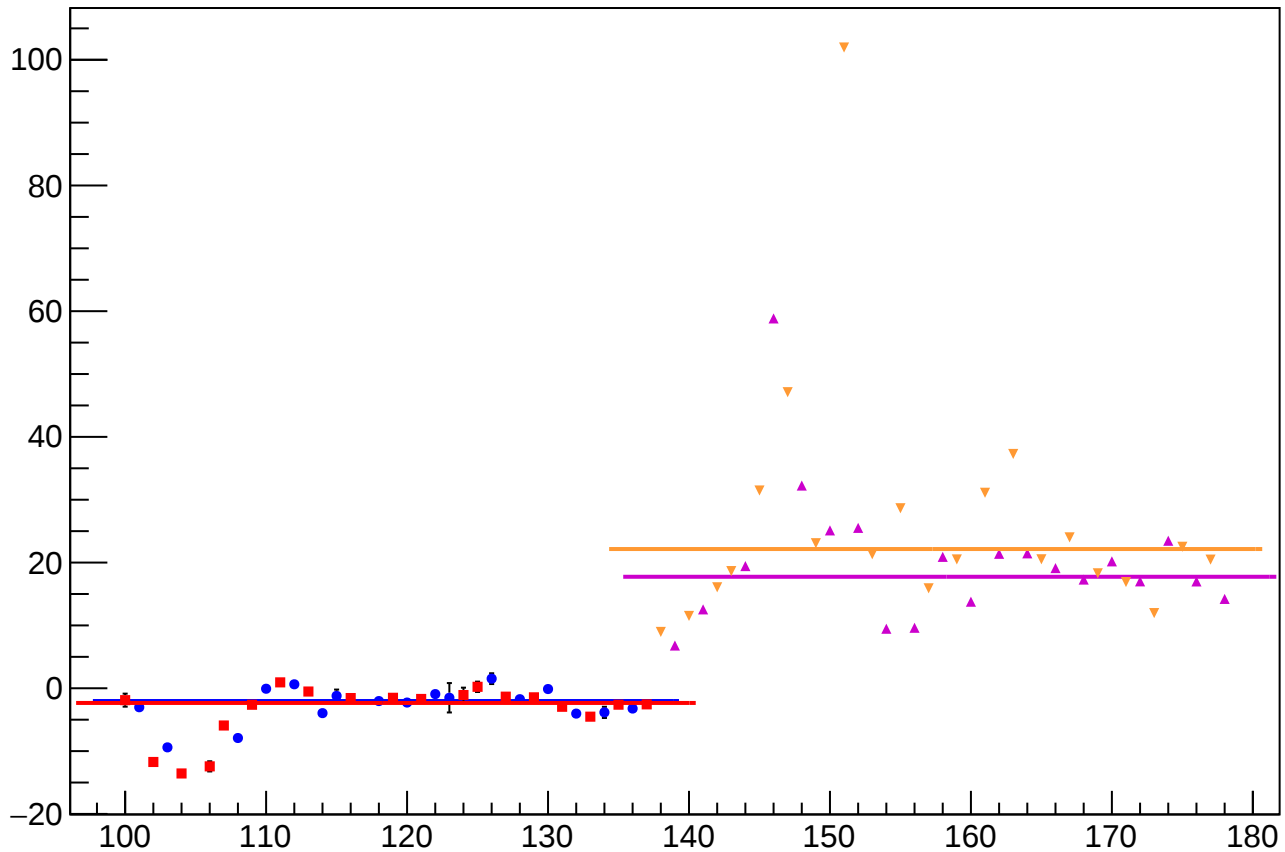
Left In: 0.960 $\pm$ 0.033 χ^2 /NDF: 3528.7/19

+ sign 1.421 $\pm$ 0.032 χ^2 /NDF: 4557.5/37

All: 1.179 $\pm$ 0.021 χ^2 /NDF: 9156.1/76

- sign 0.982 $\pm$ 0.029 χ^2 /NDF: 4494.6/38

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 22.154 ± 0.049 χ^2/NDF : 55745.5/20

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

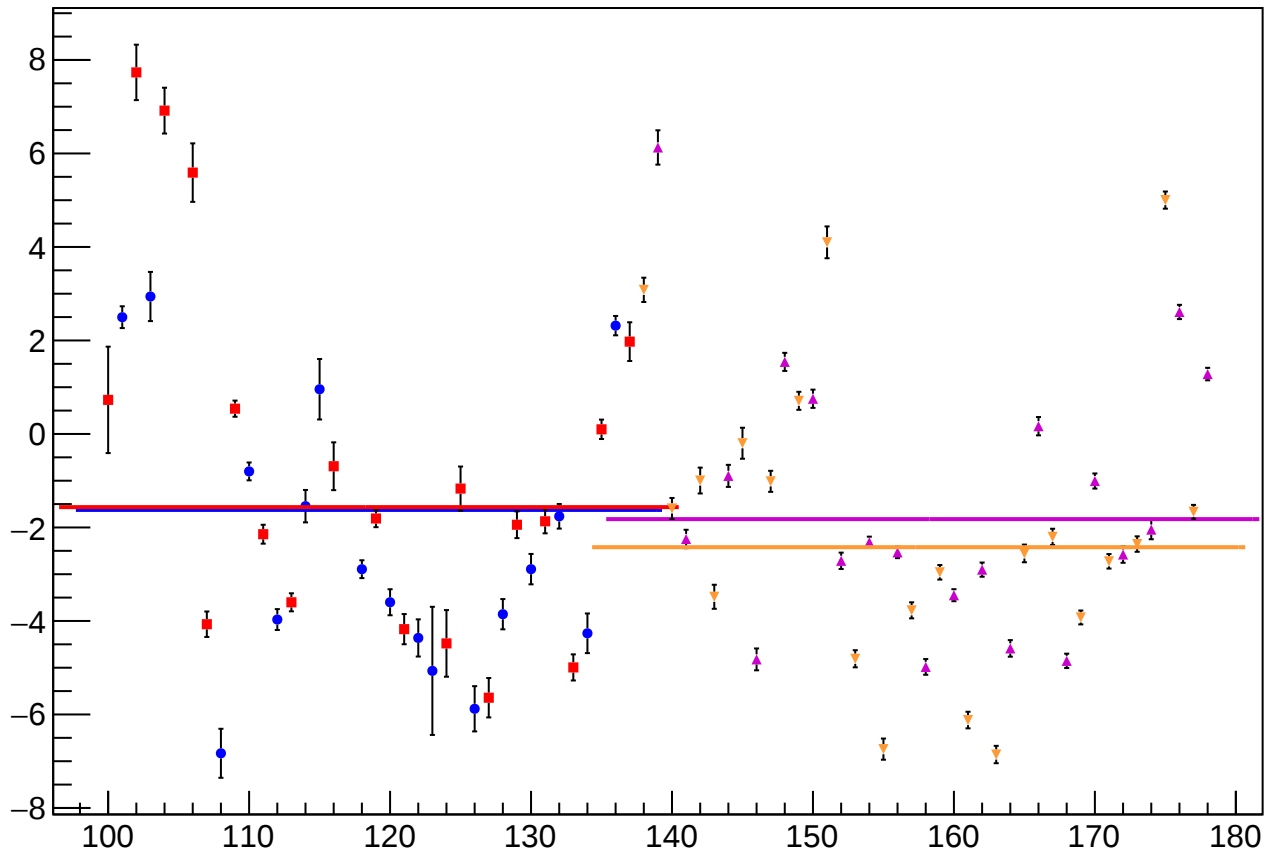
Left In: 17.742 ± 0.043 χ^2/NDF : 36579.8/19

+ sign 18.292 ± 0.044 χ^2/NDF : 95882.2/37

All: 16.210 ± 0.029 χ^2/NDF : 171981.3/76

- sign 14.598 ± 0.039 χ^2/NDF : 72214.4/38

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.422 ± 0.042 χ^2/NDF : 4603.8/20

Right Out: -1.565 ± 0.066 χ^2/NDF : 1505.8/18

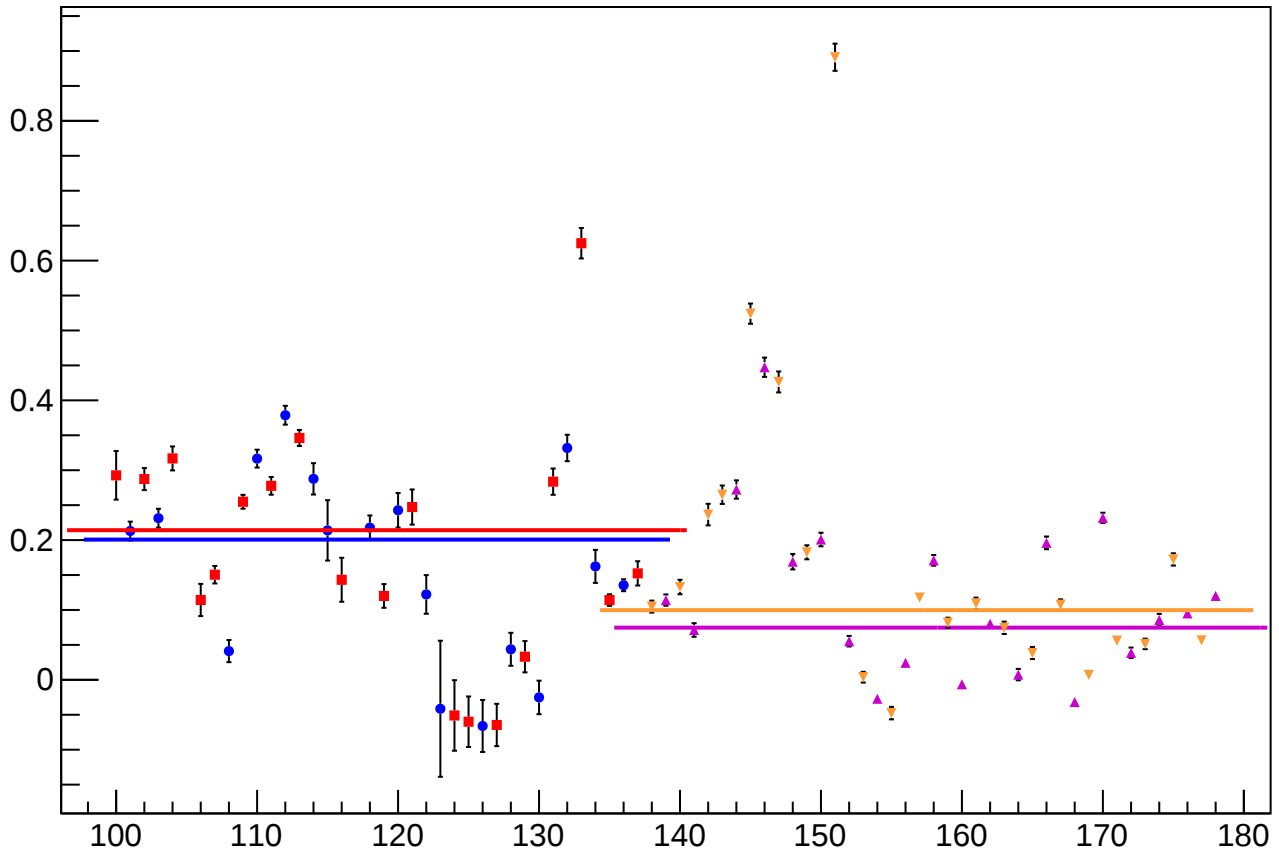
Left In: -1.821 ± 0.037 χ^2/NDF : 3933.0/19

+ sign -2.217 ± 0.036 χ^2/NDF : 6018.0/37

All: -1.963 ± 0.024 χ^2/NDF : 11557.9/76

- sign -1.759 ± 0.032 χ^2/NDF : 5450.3/38

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.100 ± 0.002 χ^2/NDF : 4194.3/20

Right Out: 0.214 ± 0.004 χ^2/NDF : 1080.4/18

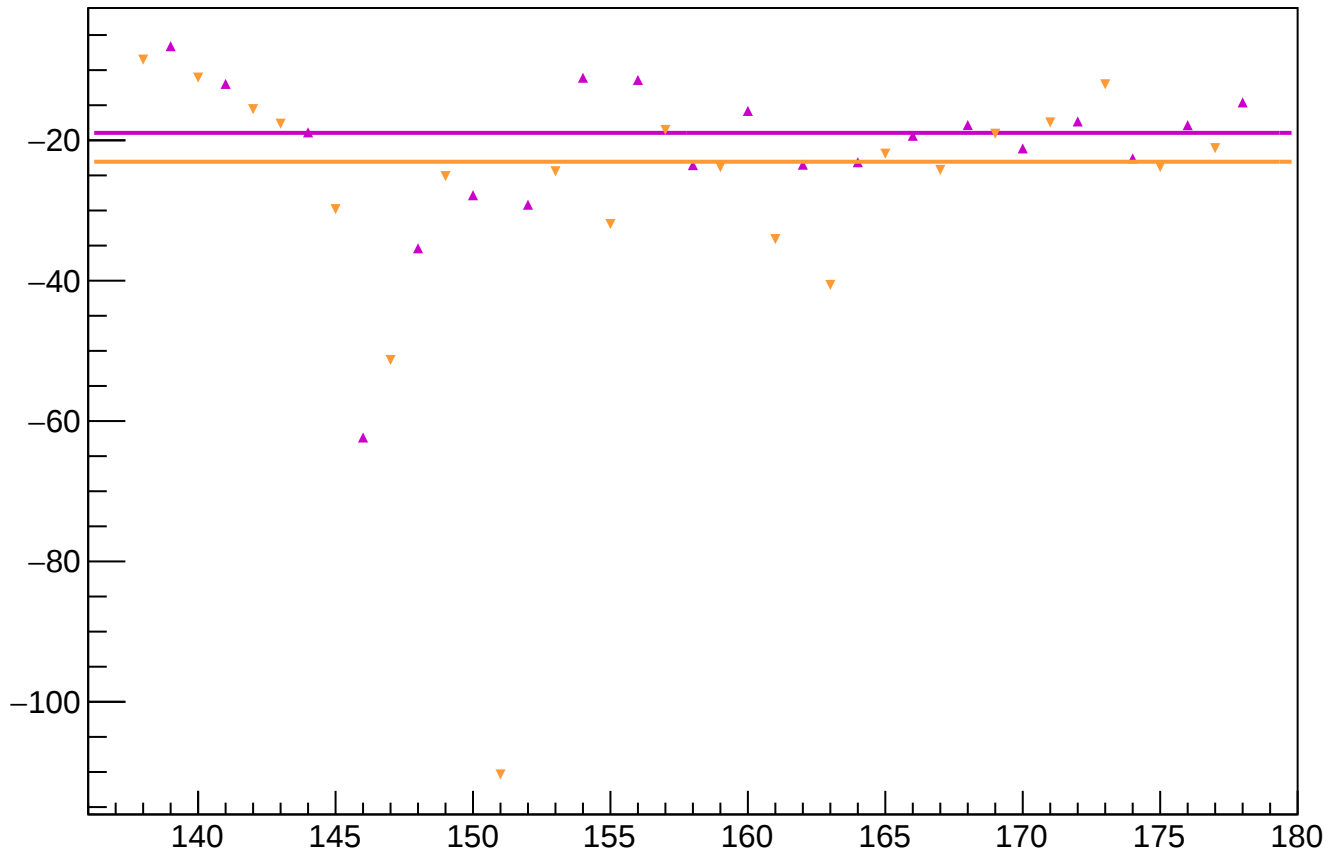
Left In: 0.075 ± 0.002 χ^2/NDF : 3221.6/19

+ sign 0.117 ± 0.002 χ^2/NDF : 5378.0/37

All: 0.106 ± 0.001 χ^2/NDF : 10951.2/76

- sign 0.097 ± 0.001 χ^2/NDF : 5499.9/38

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -23.051 $\pm$ 0.050 χ^2 /NDF:62417.0/20

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

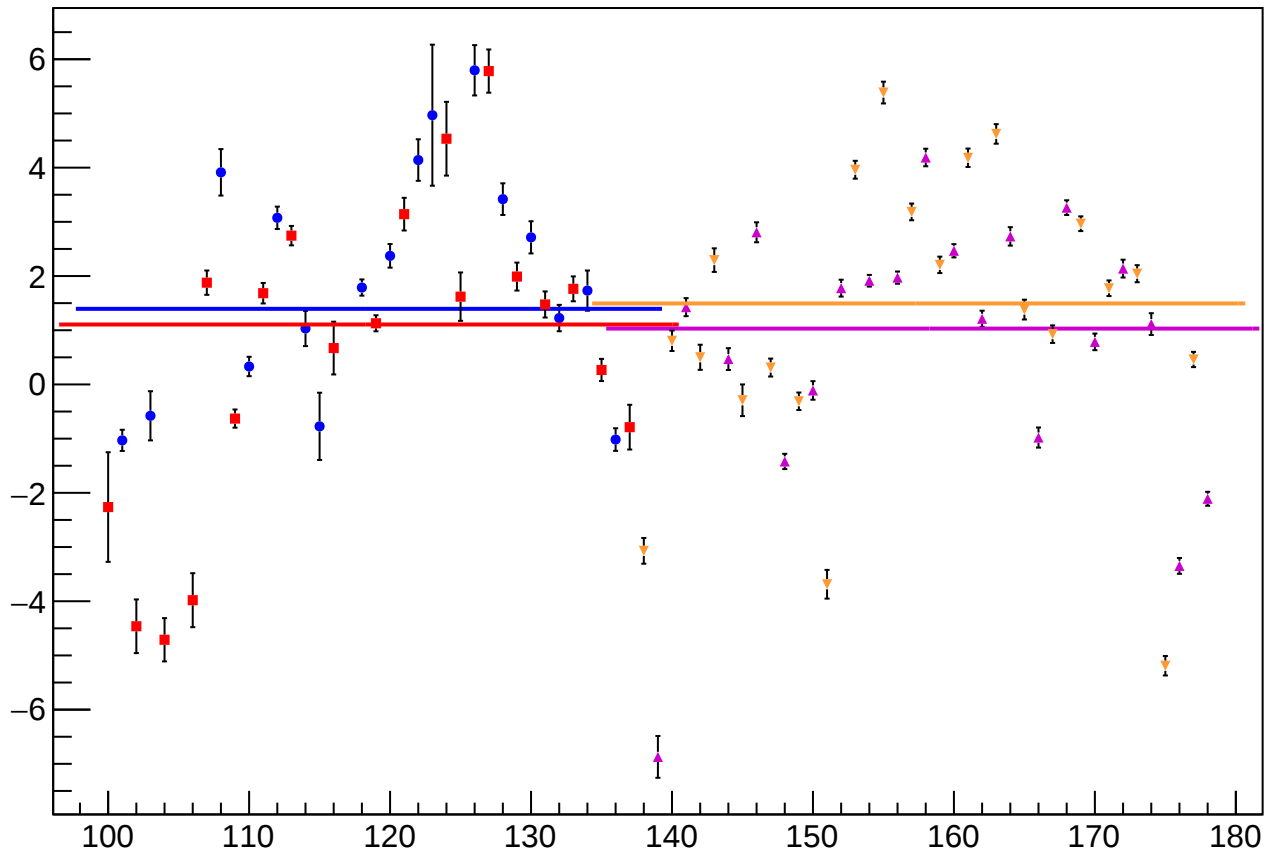
Left In: -18.938 $\pm$ 0.044 χ^2 /NDF:37486.3/19

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

All: -20.758 $\pm$ 0.033 χ^2 /NDF: 103687.5/40

- sign 0.000 $\pm$ 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: 1.494 ± 0.038 χ^2/NDF : 3893.5/20

Right Out: 1.106 ± 0.059 χ^2/NDF : 937.0/18

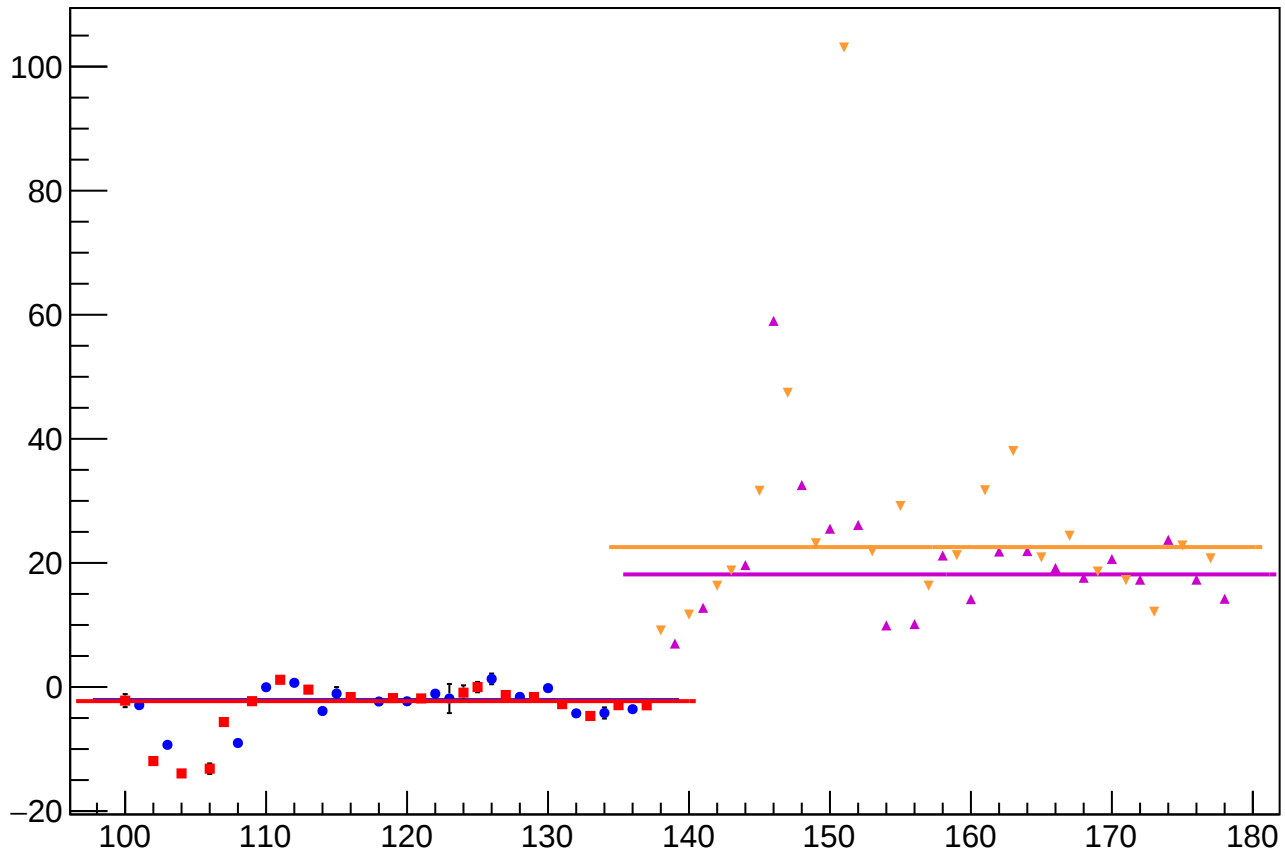
Left In: 1.031 ± 0.034 χ^2/NDF : 3585.3/19

+ sign 1.468 ± 0.033 χ^2/NDF : 4596.8/37

All: 1.238 ± 0.022 χ^2/NDF : 9211.1/76

- sign 1.049 ± 0.029 χ^2/NDF : 4523.5/38

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 22.554 ± 0.050 χ^2/NDF : 55503.2/20

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

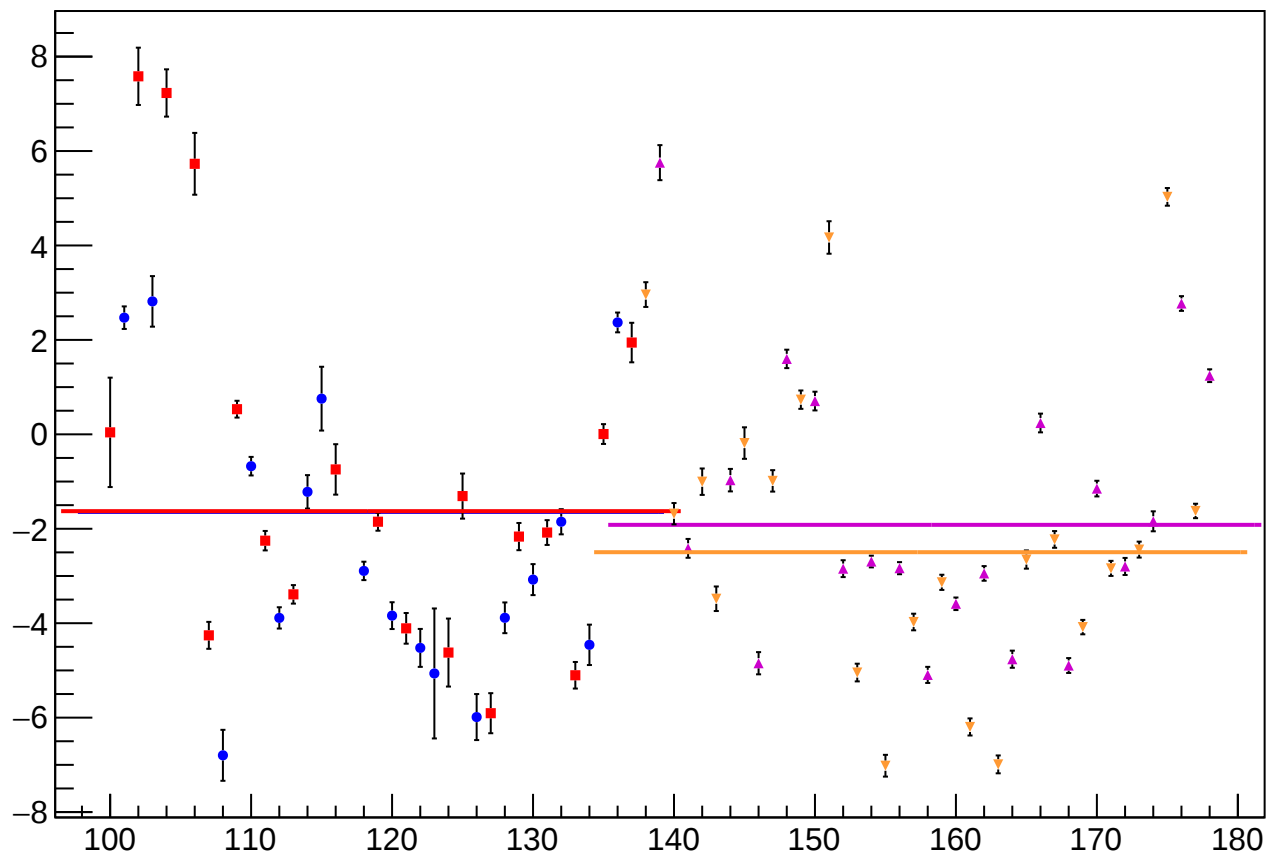
Left In: 18.148 ± 0.044 χ^2/NDF : 35429.3/19

+ sign 18.597 ± 0.045 χ^2/NDF : 95807.9/37

All: 16.541 ± 0.030 χ^2/NDF : 170256.2/76

- sign 14.940 ± 0.040 χ^2/NDF : 70795.2/38

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: -2.496 $\pm$ 0.043 χ^2/NDF : 4634.4/20

Right Out: -1.627 $\pm$ 0.067 χ^2/NDF : 1468.1/18

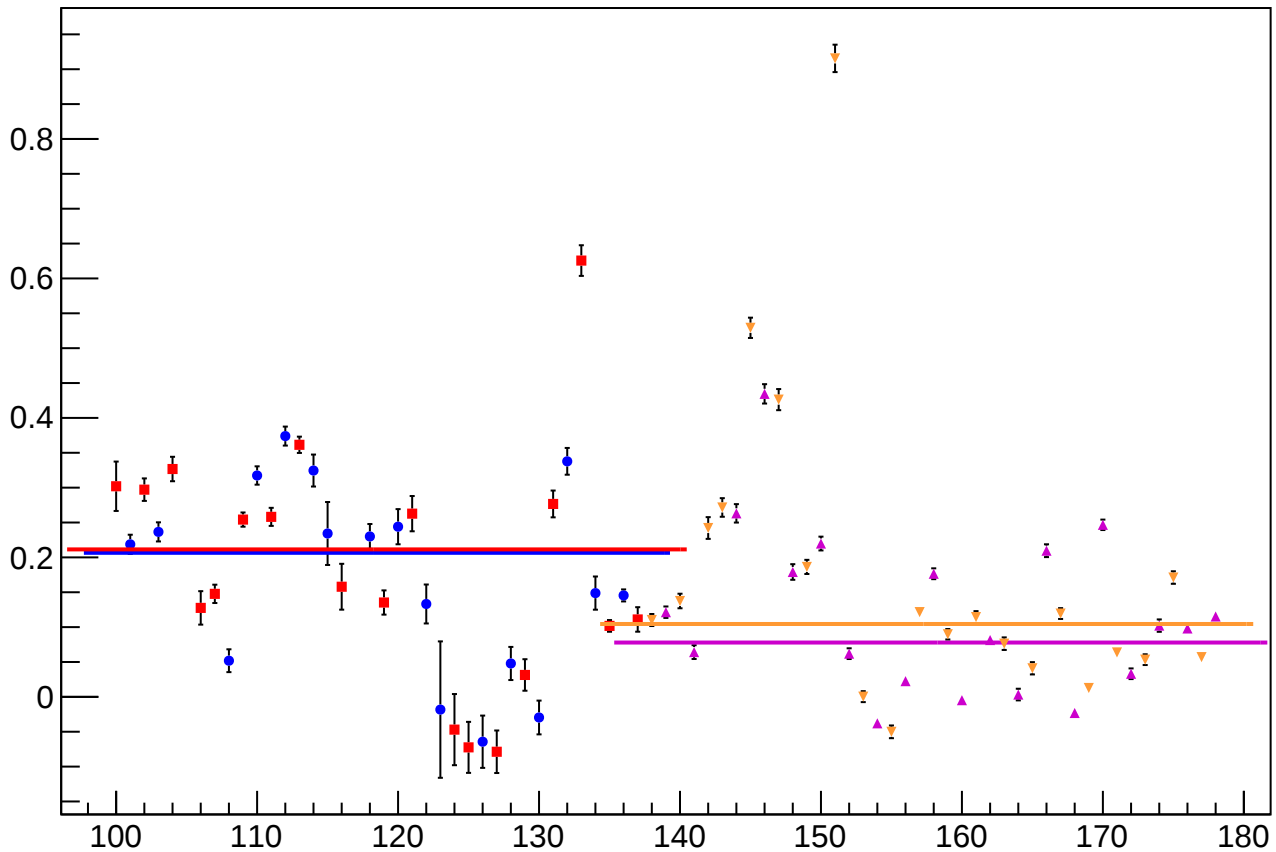
Left In: -1.917 $\pm$ 0.038 χ^2/NDF : 3982.8/19

+ sign -2.276 $\pm$ 0.037 χ^2/NDF : 6047.6/37

All: -2.039 $\pm$ 0.025 χ^2/NDF : 11588.2/76

- sign -1.846 $\pm$ 0.033 χ^2/NDF : 5465.1/38

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: 0.104 $\pm$ 0.002 χ^2/NDF : 4219.0/20

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

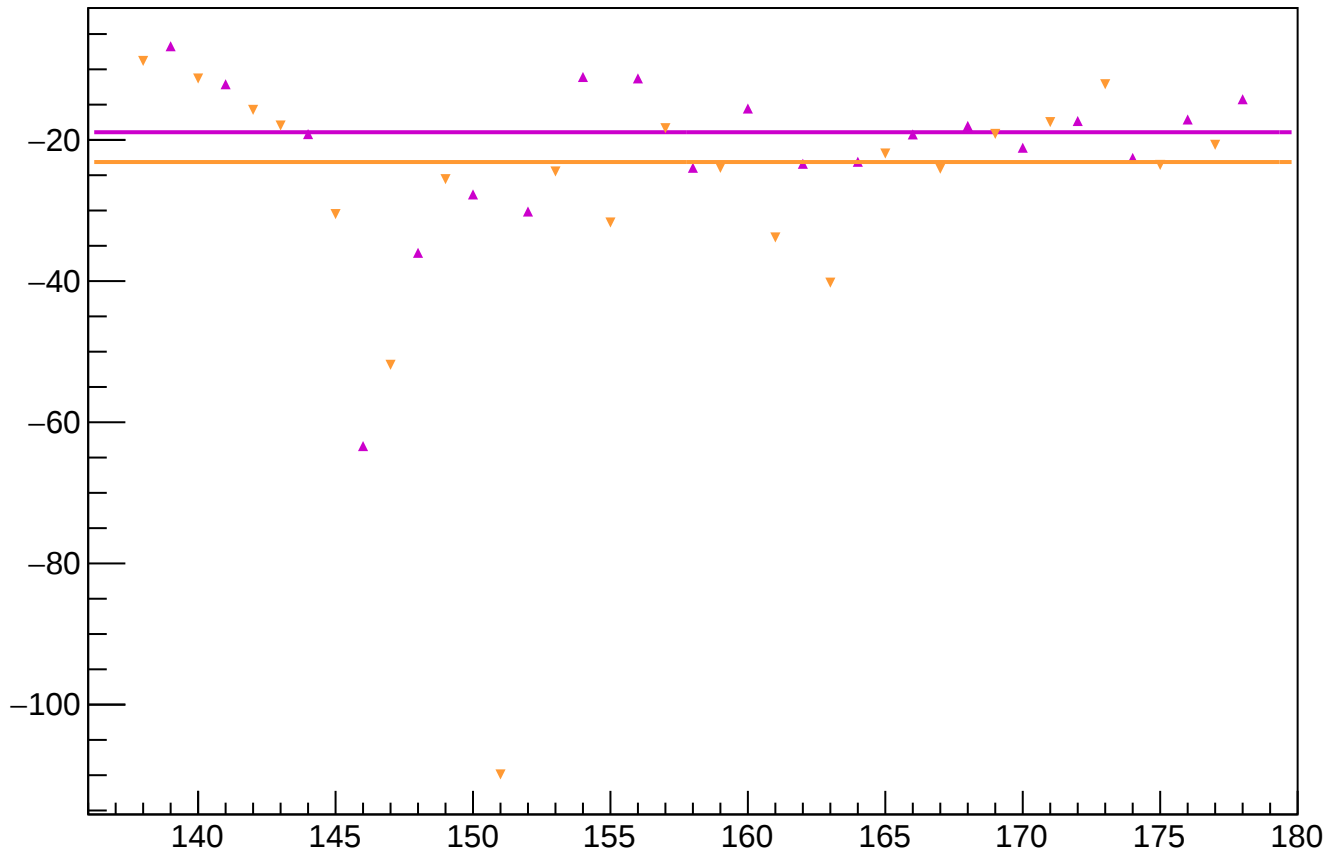
Left In: 0.078 $\pm$ 0.002 χ^2/NDF : 3302.9/19

+ sign 0.122 $\pm$ 0.002 χ^2/NDF : 5359.7/37

All: 0.109 $\pm$ 0.001 χ^2/NDF : 10952.3/76

- sign 0.100 $\pm$ 0.002 χ^2/NDF : 5501.5/38

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -23.132+/-0.050 χ^2/NDF : 61273.3/20

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

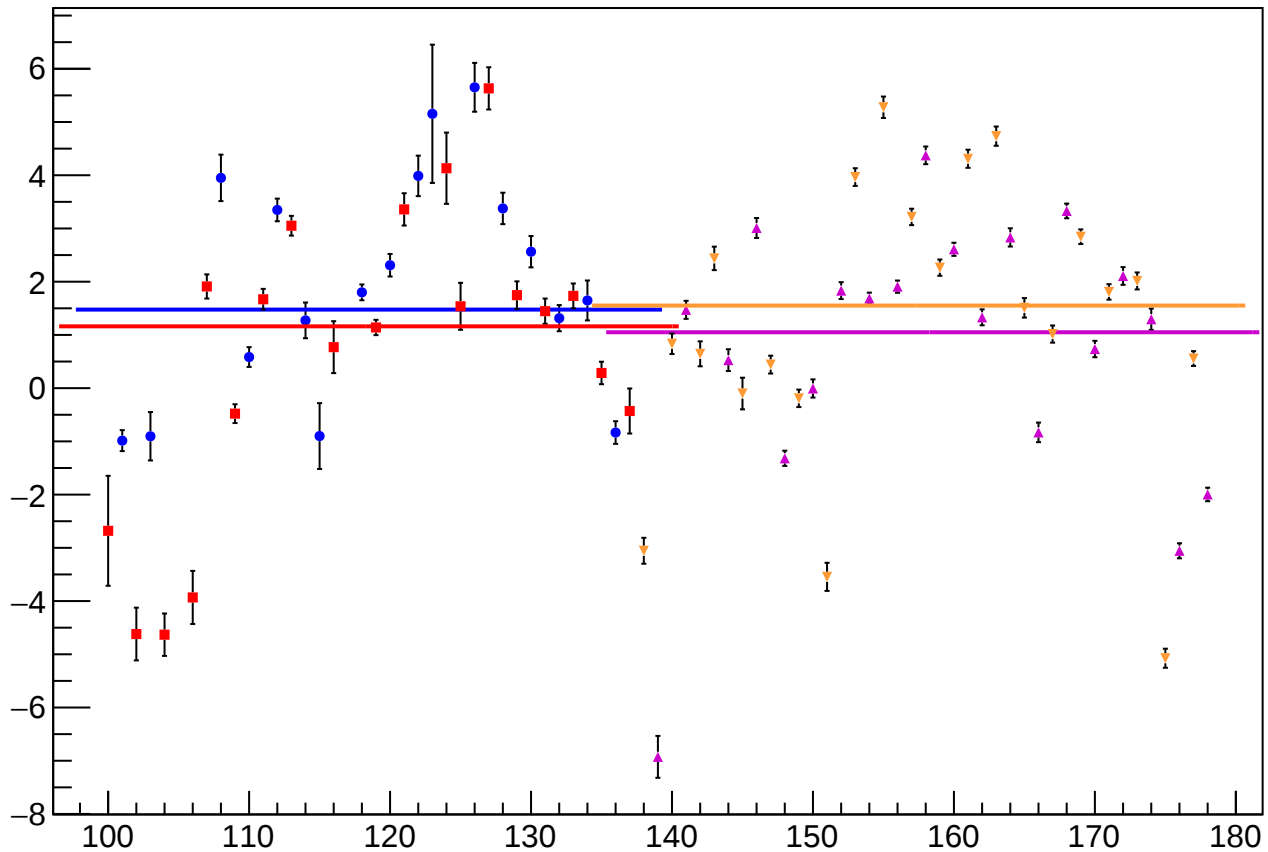
Left In: -18.909+/-0.045 χ^2/NDF : 38124.9/19

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -20.775+/-0.033 χ^2/NDF : 103331.3/40

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 1.551 ± 0.038 χ^2/NDF : 3757.2/20

Right Out: 1.161 ± 0.060 χ^2/NDF : 917.9/18

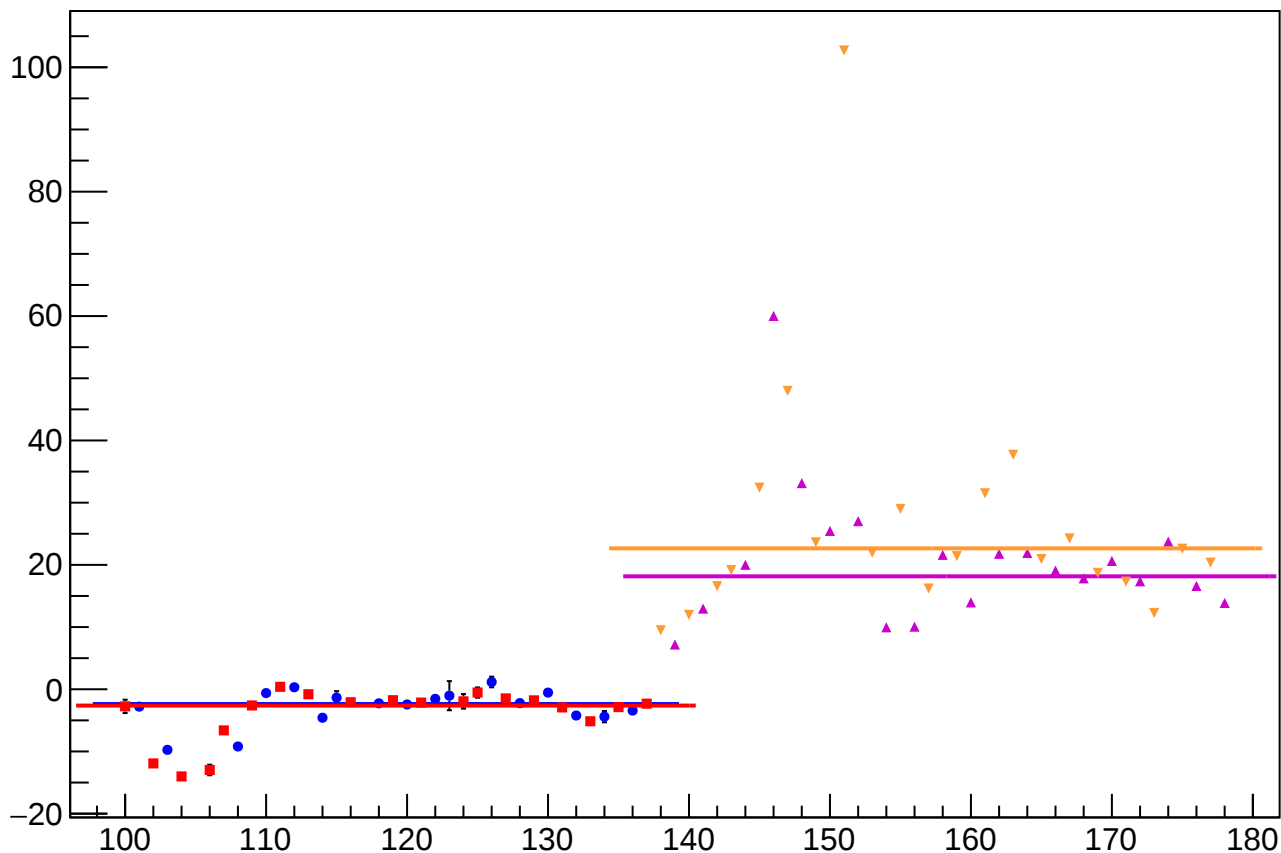
Left In: 1.050 ± 0.034 χ^2/NDF : 3469.2/19

+ sign 1.531 ± 0.033 χ^2/NDF : 4417.9/37

All: 1.282 ± 0.022 χ^2/NDF : 8912.6/76

- sign 1.078 ± 0.030 χ^2/NDF : 4389.7/38

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 22.653 ± 0.050 χ^2/NDF : 54601.1/20

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

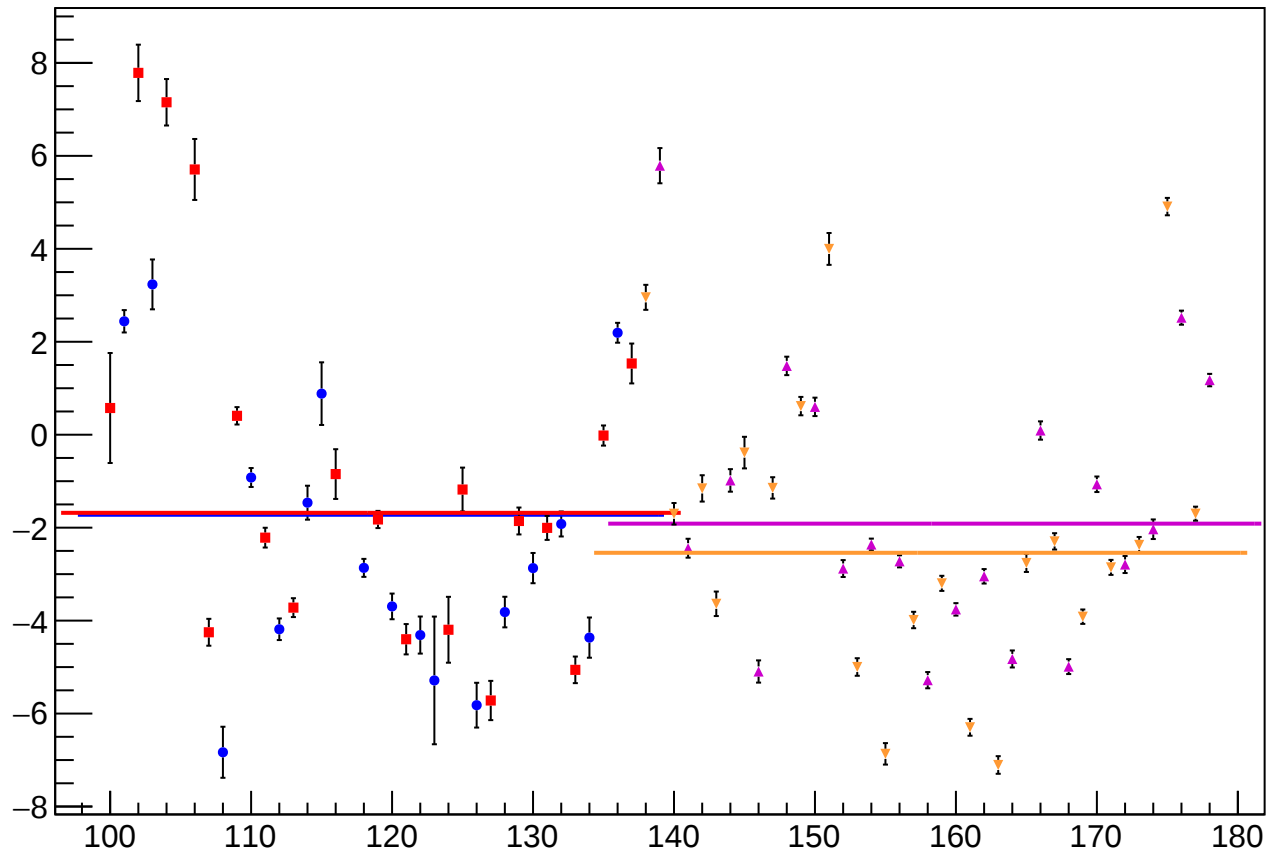
Left In: 18.161 ± 0.044 χ^2/NDF : 36042.3/19

+ sign 18.694 ± 0.046 χ^2/NDF : 94909.2/37

All: 16.607 ± 0.030 χ^2/NDF : 169808.7/76

- sign 14.978 ± 0.040 χ^2/NDF : 71193.4/38

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722+/-0.073 χ^2/NDF : 1247.6/16

Left Out: -2.541+/-0.043 χ^2/NDF : 4482.5/20

Right Out: -1.681+/-0.068 χ^2/NDF : 1431.0/18

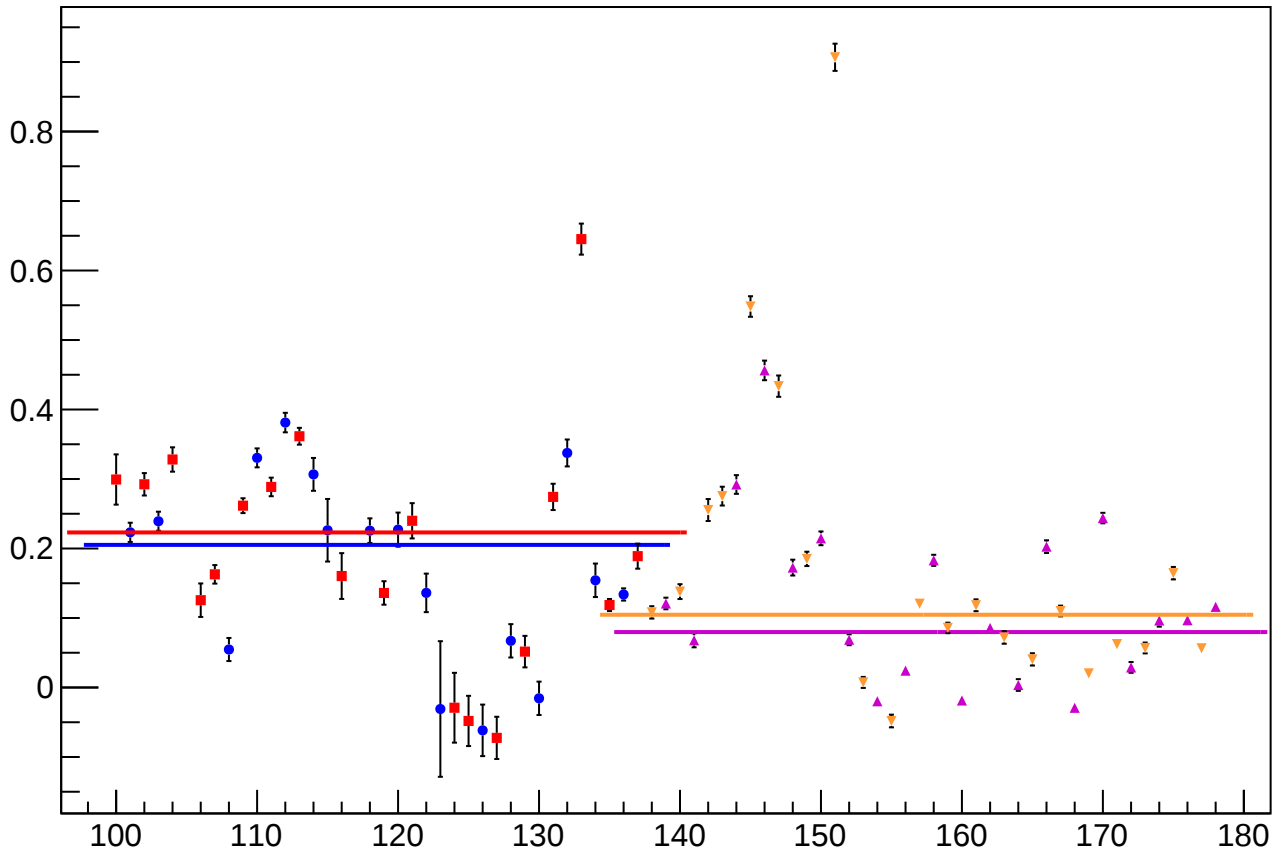
Left In: -1.914+/-0.038 χ^2/NDF : 3921.1/19

+ sign -2.331+/-0.037 χ^2/NDF : 5823.2/37

All: -2.070+/-0.025 χ^2/NDF : 11274.1/76

- sign -1.857+/-0.033 χ^2/NDF : 5361.0/38

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.105 ± 0.002 χ^2/NDF : 4190.4/20

Right Out: 0.223 ± 0.004 χ^2/NDF : 1040.5/18

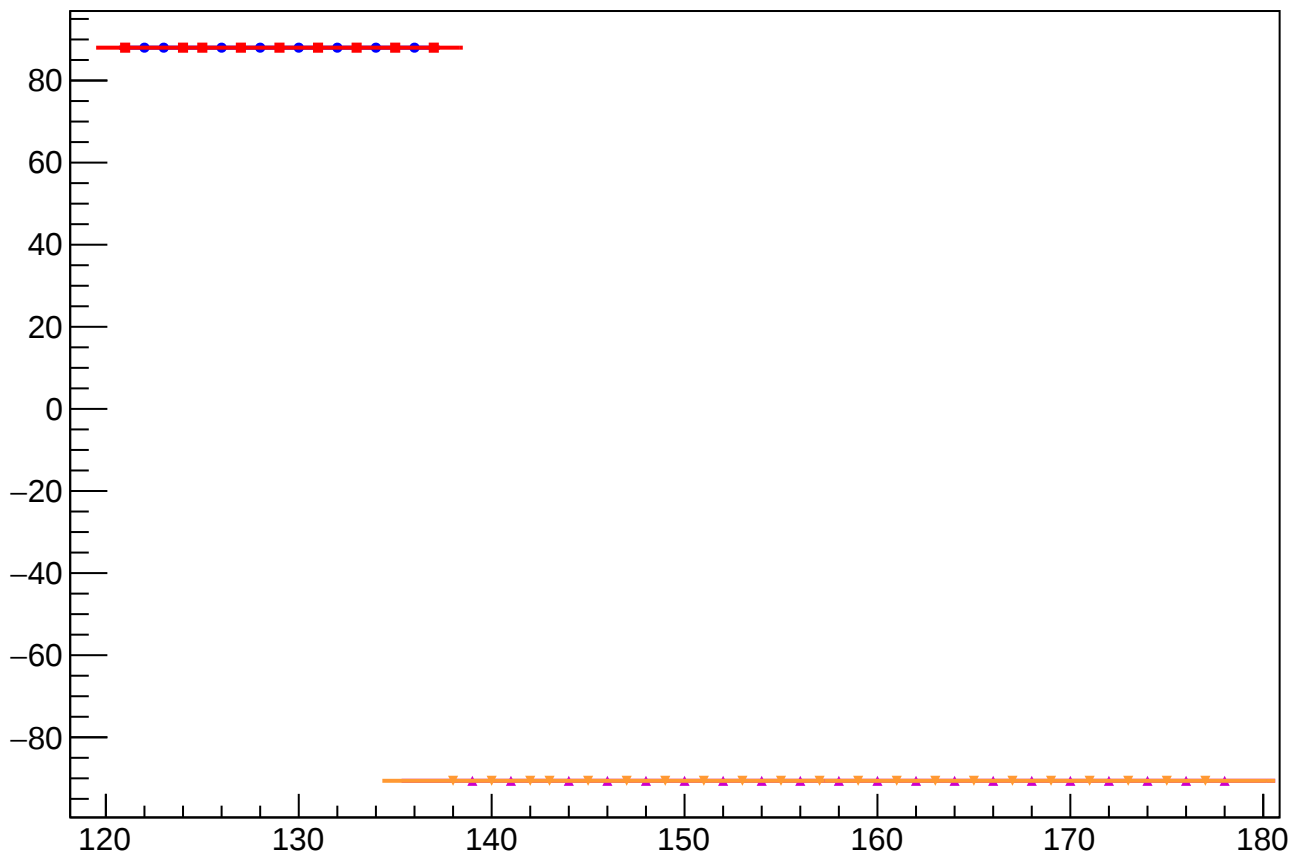
Left In: 0.080 ± 0.002 χ^2/NDF : 3269.2/19

+ sign 0.122 ± 0.002 χ^2/NDF : 5300.7/37

All: 0.111 ± 0.001 χ^2/NDF : 10844.6/76

- sign 0.103 ± 0.002 χ^2/NDF : 5479.1/38

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 6597654.0/20

Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

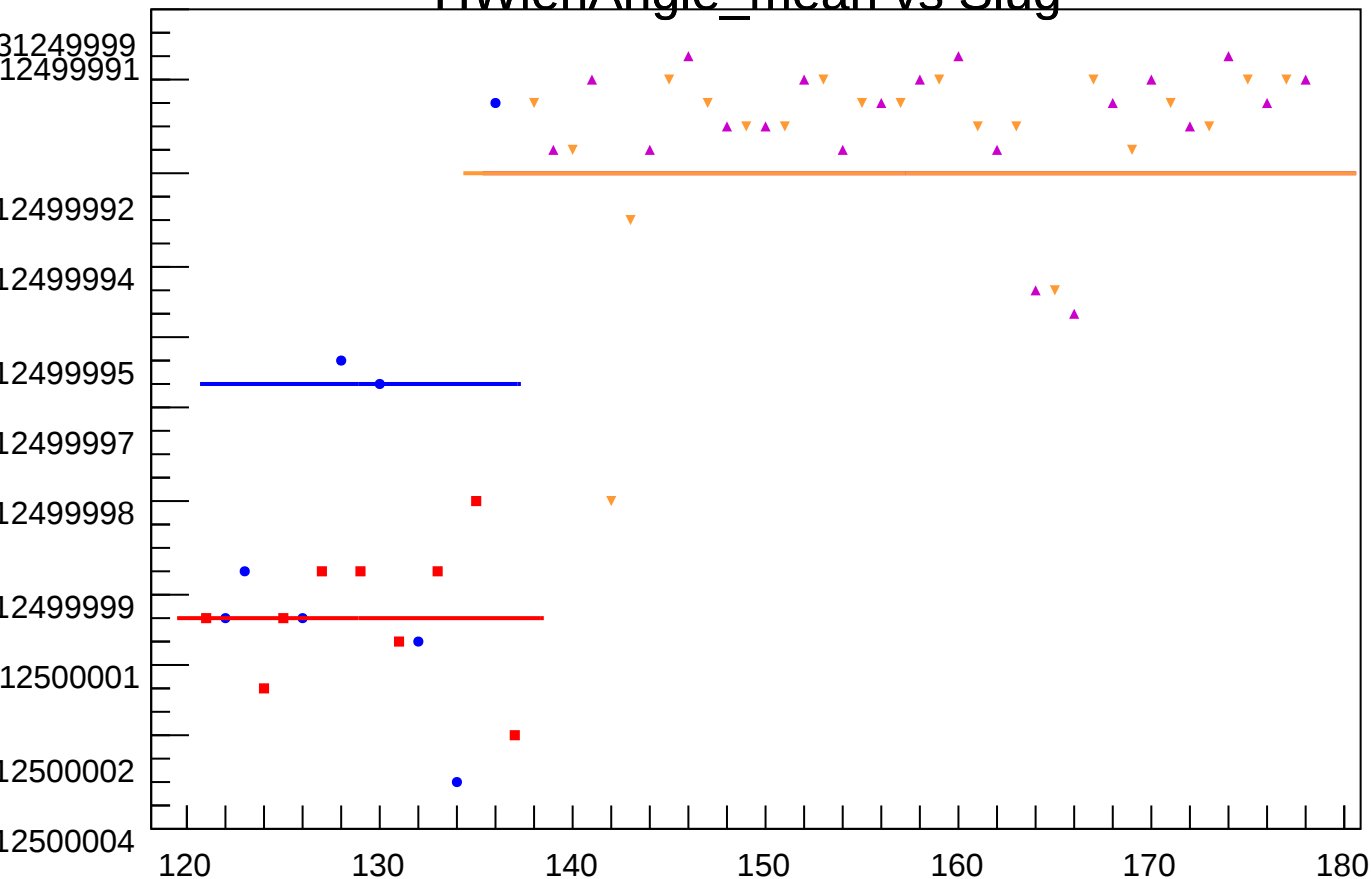
Left In: -90.599+/-0.000 χ^2/NDF : 5394849.3/19

+ sign -59.735+/-0.000 χ^2/NDF : 902385068107123

All: -60.406+/-0.000 χ^2/NDF : 175201299279

- sign -61.095+/-0.000 χ^2/NDF : 8494471348979790

HWienAngle_mean vs Slug



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 304942.1/20

Right Out: -29.641+/-0.000 χ^2/NDF : 29358.2/8

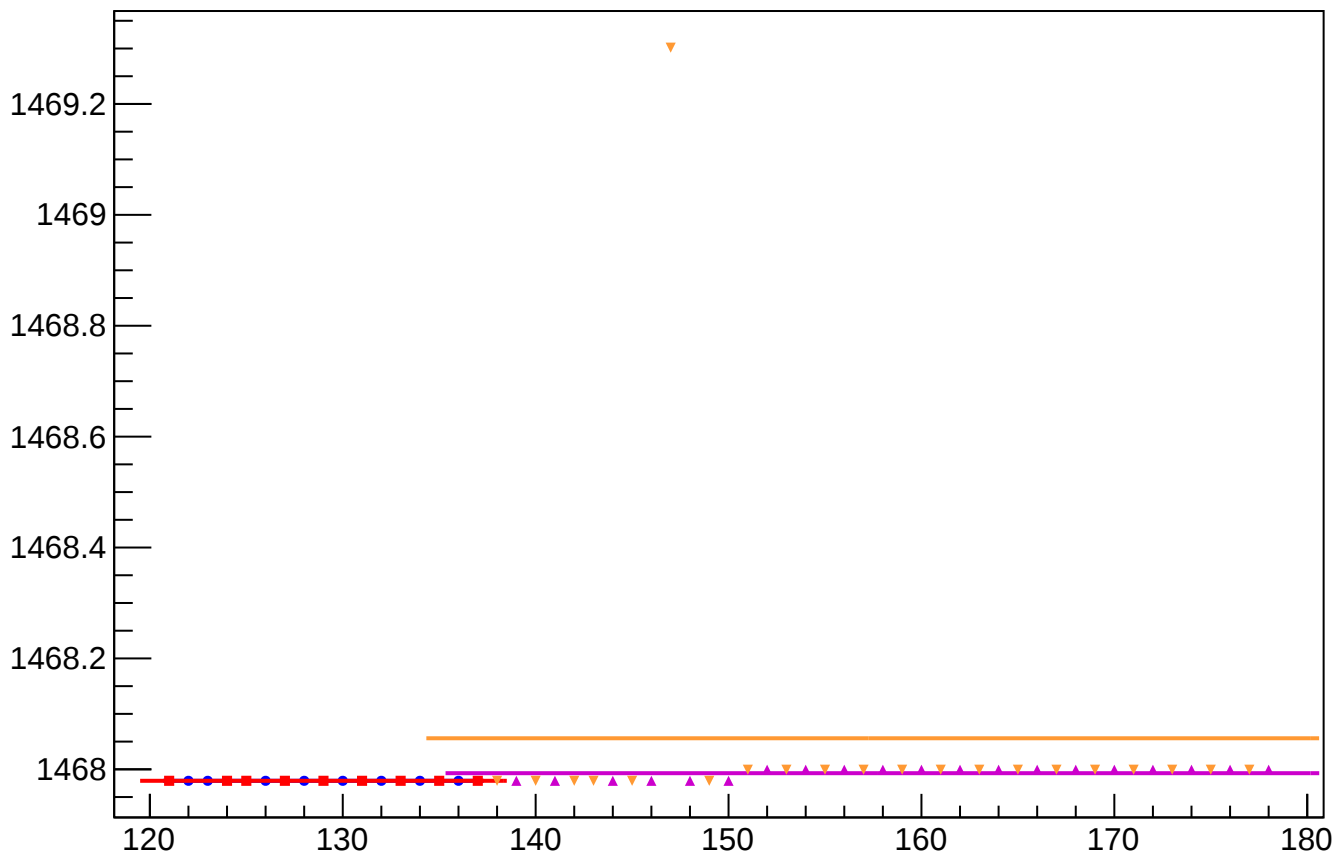
Left In: -29.641+/-0.000 χ^2/NDF : 253887.0/19

+ sign -29.641+/-0.000 χ^2/NDF : 1182092.3/28

All: -29.641+/-0.000 χ^2/NDF : 3398122.5/57

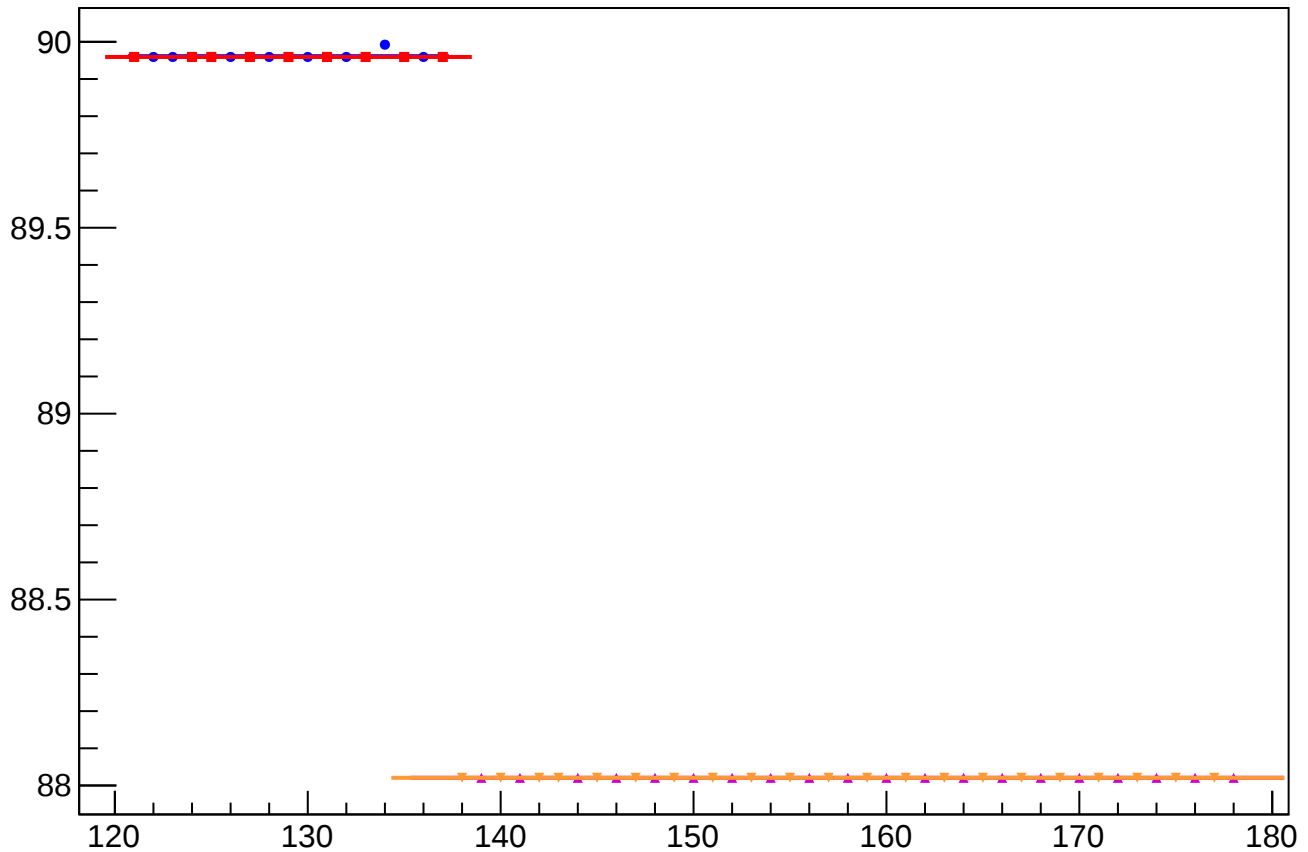
- sign -29.641+/-0.000 χ^2/NDF : 1561250.4/28

psub_pl_pos_mean vs Slug

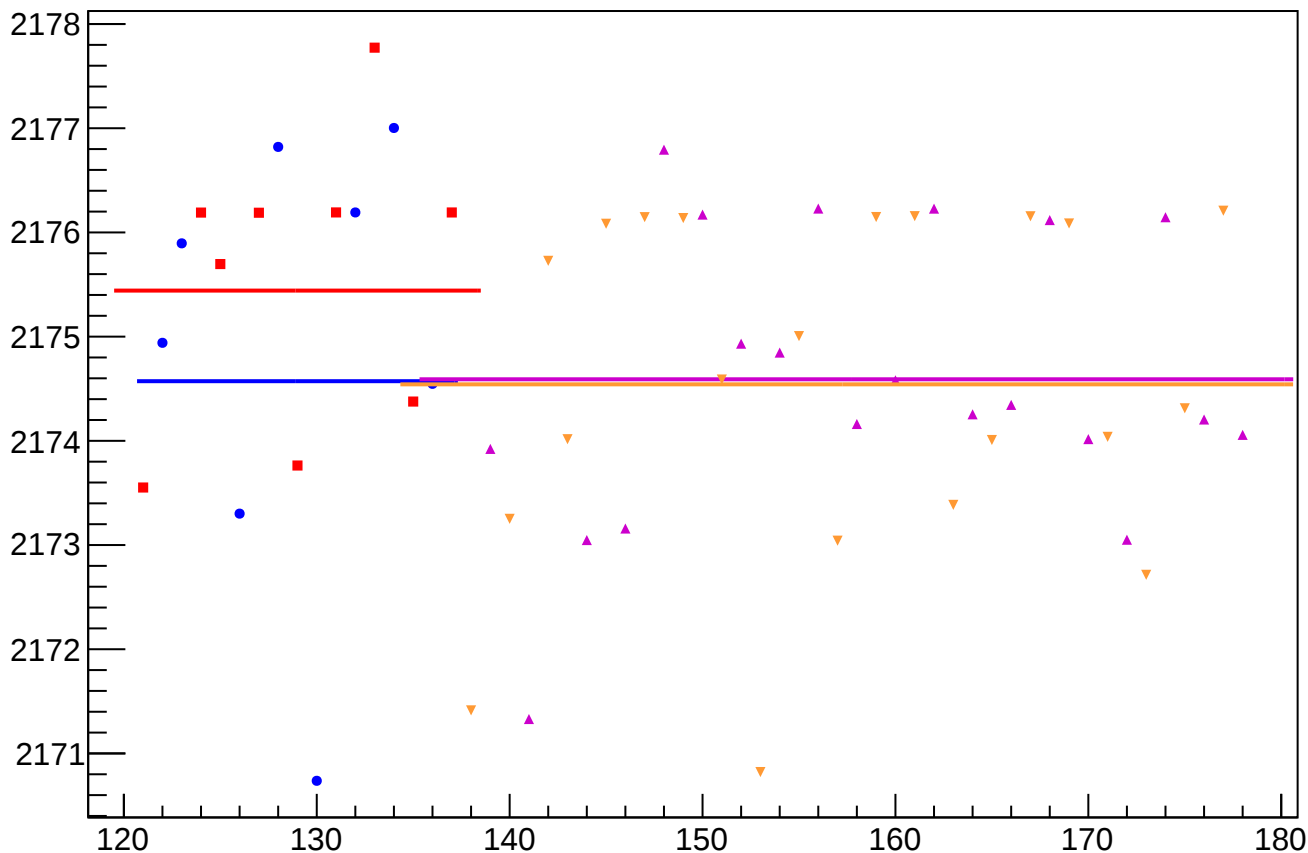


Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7
 Left Out: 1468.056+/-0.000 χ^2/NDF : 127183086575535260738782106746880.0/20
 Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8
 Left In: 1467.993+/-0.000 χ^2/NDF : 138867493763648912938070179840.0/19
 + sign 1468.043+/-0.000 χ^2/NDF : 12884721027219
 All: 1468.017+/-0.000 χ^2/NDF : 13167770503
 - sign 1467.991+/-0.000 χ^2/NDF : 18901087513417

Phi_FG_mean vs Slug



HALLA_p_mean vs Slug



Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.542 $\pm$ 0.000 χ^2 /NDF: 4441953156174607393263761733189632.0/20

Right Out: 2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

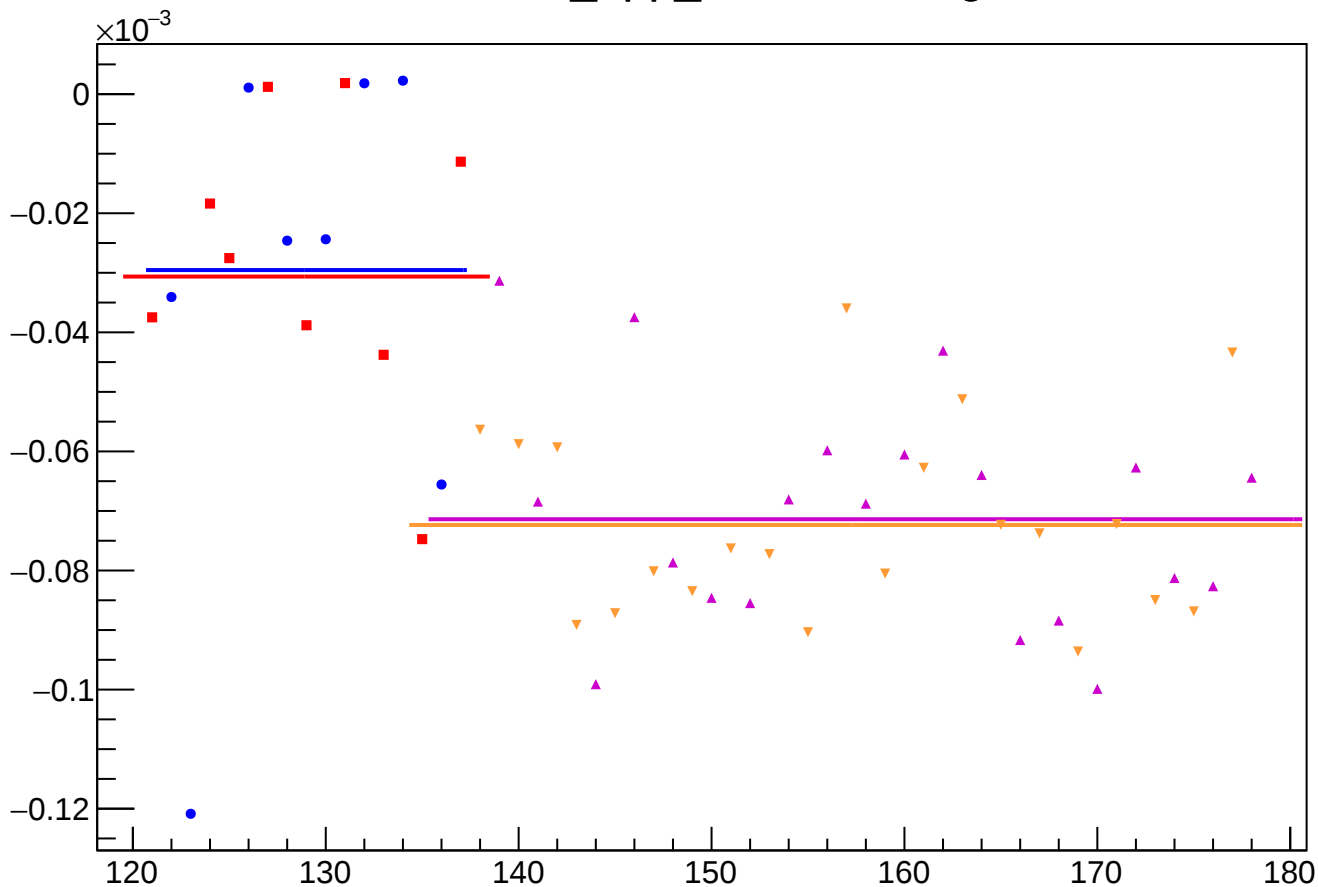
Left In: 2174.591 $\pm$ 0.000 χ^2 /NDF: 3055113595190365637949143727996928.0/19

+ sign 2174.547 $\pm$ 0.000 χ^2 /NDF: 58024763104273

All: 2174.638 $\pm$ 0.000 χ^2 /NDF: 96943707435

- sign 2174.731 $\pm$ 0.000 χ^2 /NDF: 38588248221135

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 : 414334925170595422273536.0/20

Right Out: -0.000 ± 0.000 χ^2/NDF : 196732771178766734983168.0/8

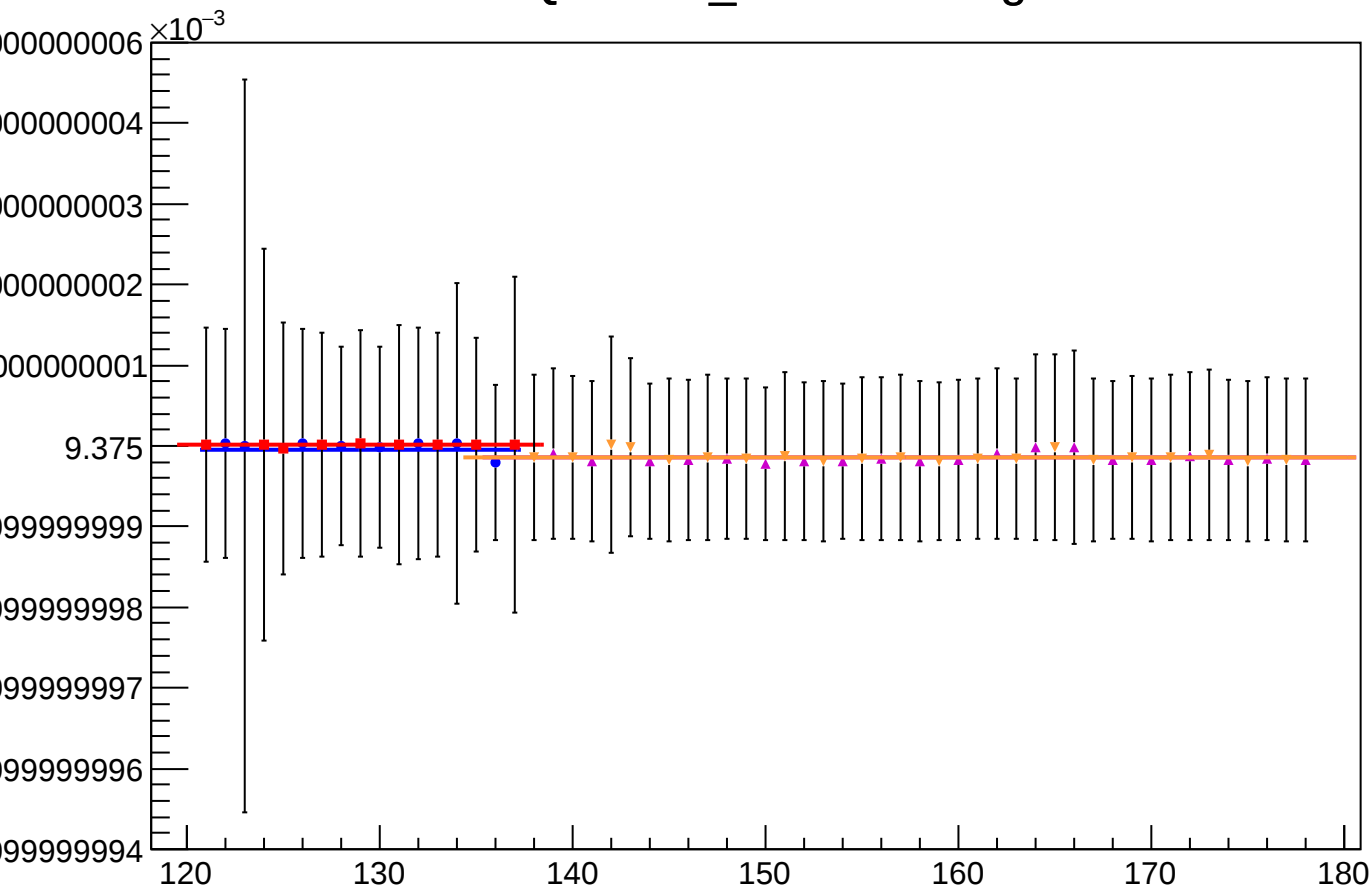
Left In: -0.000 ± 0.000 χ^2/NDF : 548270363729567045124096.0/19

+ sign -0.000 ± 0.000 χ^2/NDF : 1182948623707187

All: -0.000 ± 0.000 χ^2/NDF : 2370332613669

- sign -0.000 ± 0.000 χ^2/NDF : 11872953986394152

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/20

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

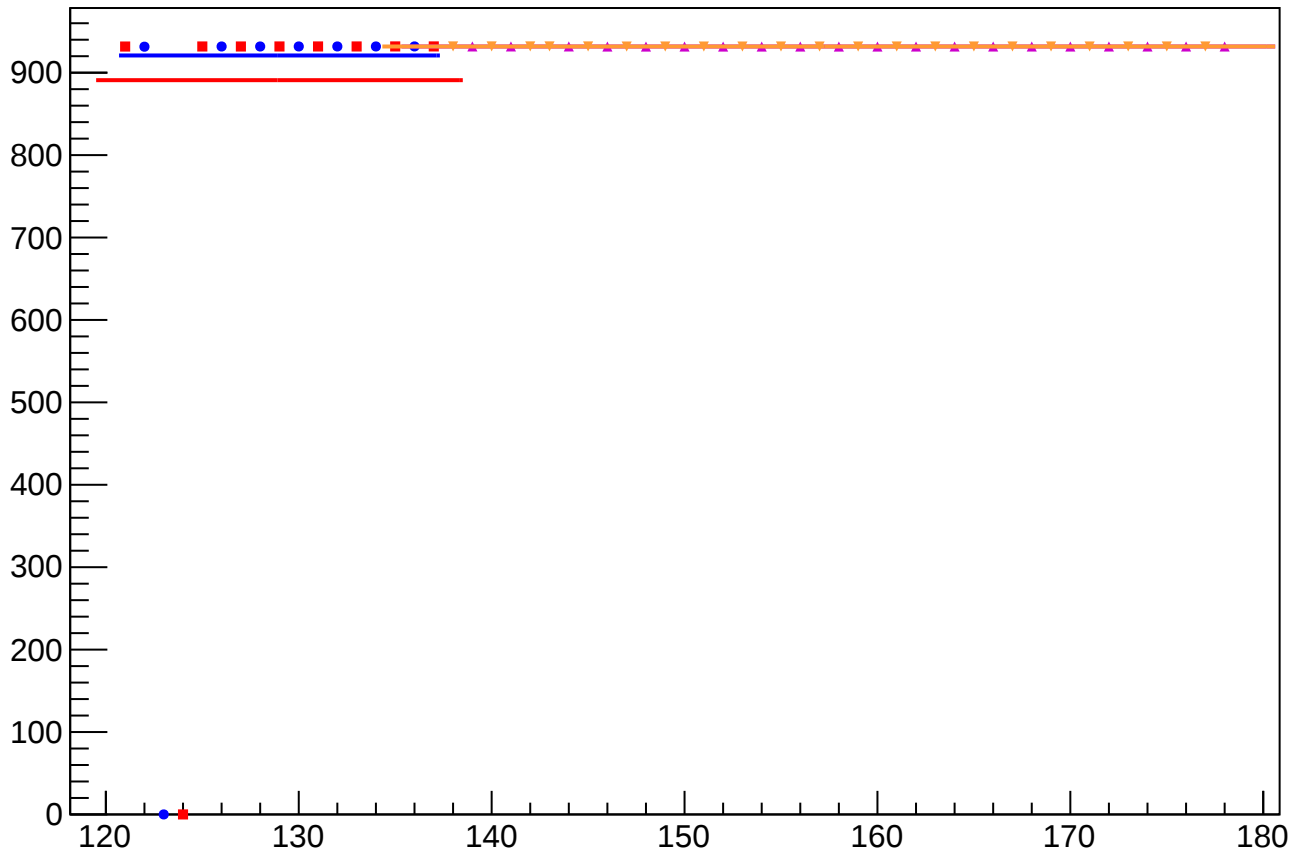
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/19

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/57

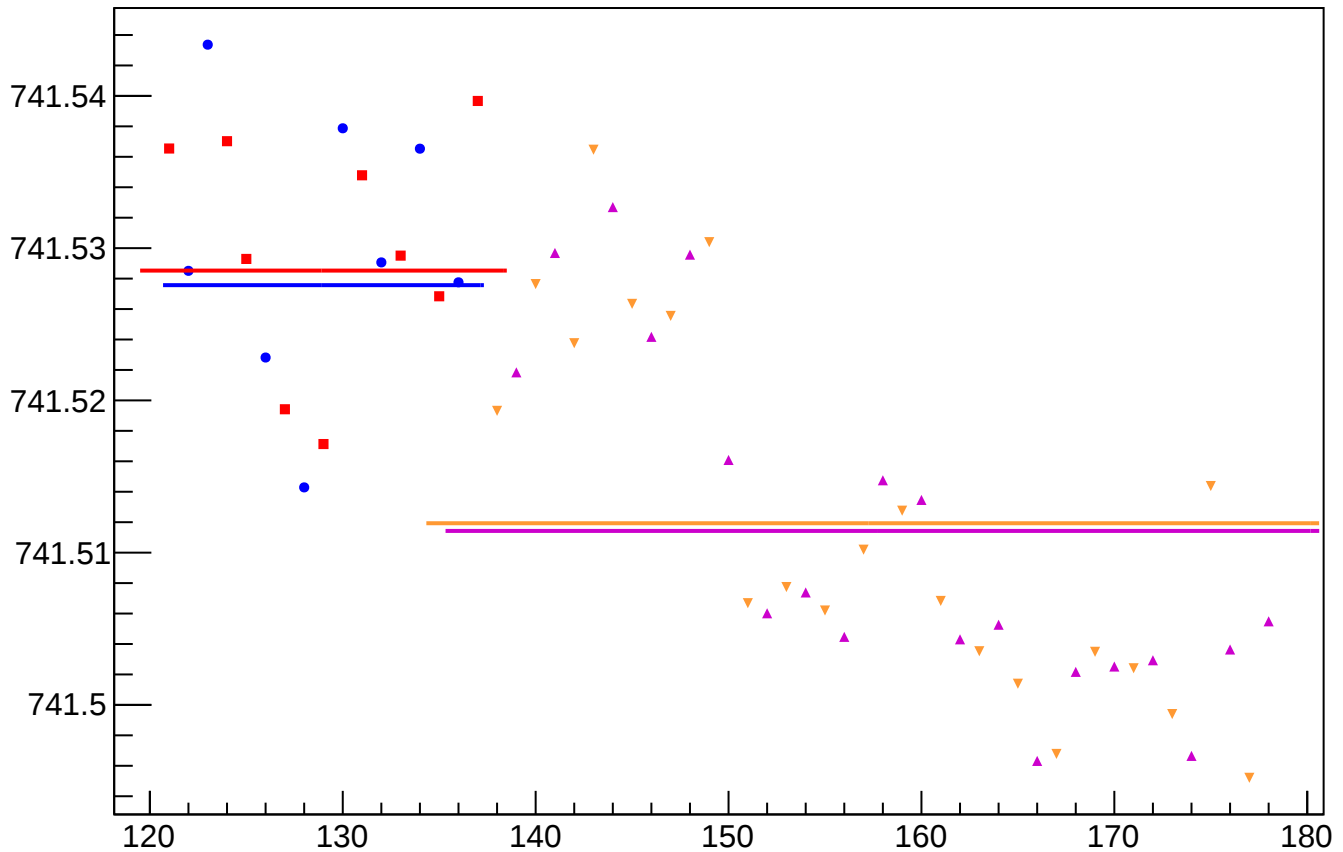
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

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: 3858417805460221205275190755328.0/20
 Right Out: 890.923 $\pm$ 0.000 χ^2 /NDF: 11621671430114409722932854398744788992.0/8
 Left In: 931.778 $\pm$ 0.000 χ^2 /NDF: 3538163261954771301610444292096.0/19

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.528 $\pm$ 0.000 χ^2 /NDF: 18896144326732419810052800512.0/7

Left Out: 741.512 $\pm$ 0.000 χ^2 /NDF: 219266249393064983038728863744.0/20

Right Out: 741.529 $\pm$ 0.000 χ^2 /NDF: 16580353917842624420385914880.0/8

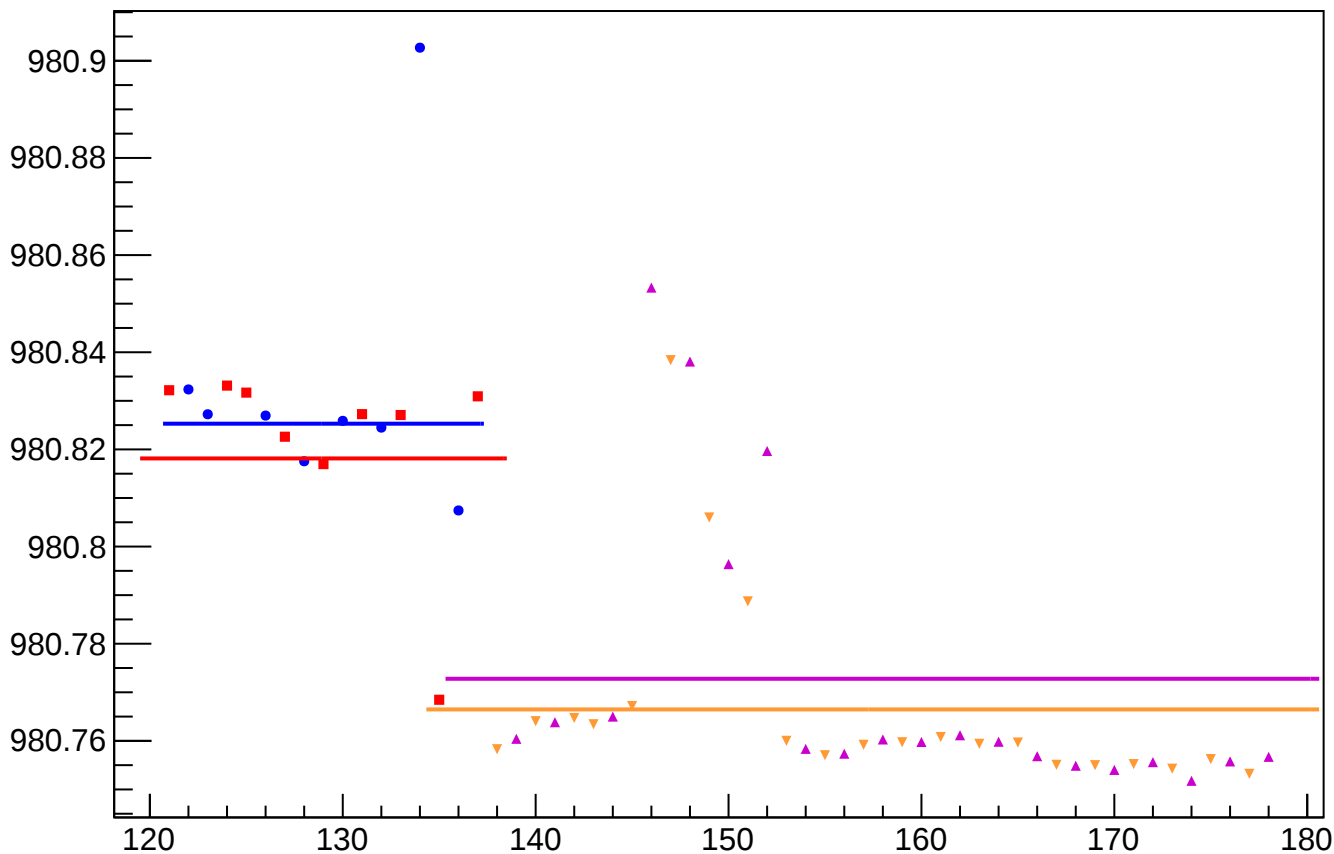
Left In: 741.511 $\pm$ 0.000 χ^2 /NDF: 193434454864830944902085869568.0/19

+ sign 741.515 $\pm$ 0.000 χ^2 /NDF: 307346700148348

All: 741.514 $\pm$ 0.000 χ^2 /NDF: 595369626190

- sign 741.514 $\pm$ 0.000 χ^2 /NDF: 287880180711066

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.766+/-0.000 χ^2/NDF : 673263127403402374834638815232.0/20

Right Out: 980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

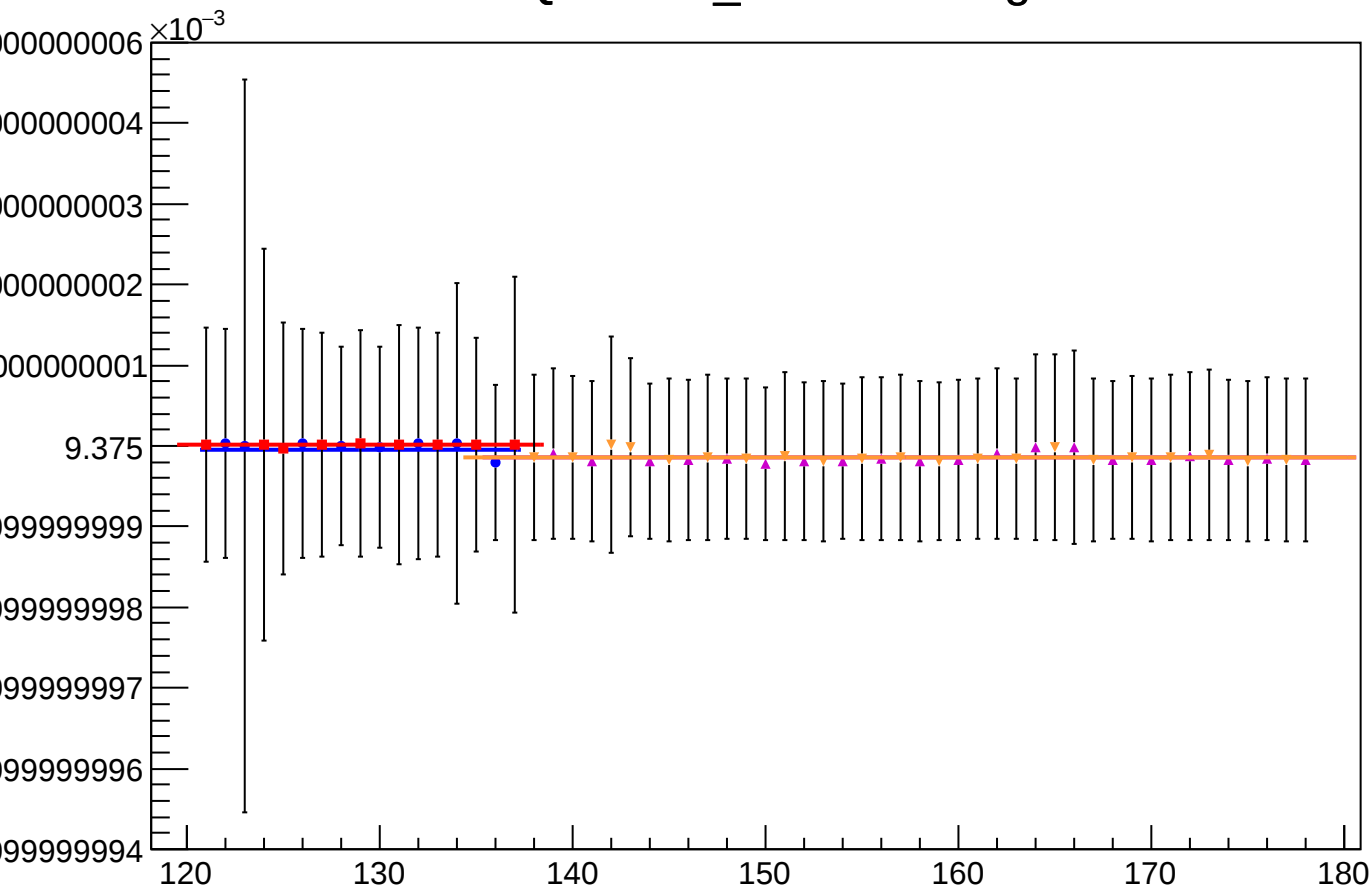
Left In: 980.773+/-0.000 χ^2/NDF : 1421358382099494732820952121344.0/19

+ sign 980.777+/-0.000 χ^2/NDF : 181135352614398

All: 980.778+/-0.000 χ^2/NDF : 393724534045

- sign 980.780+/-0.000 χ^2/NDF : 211296840880912

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/20

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

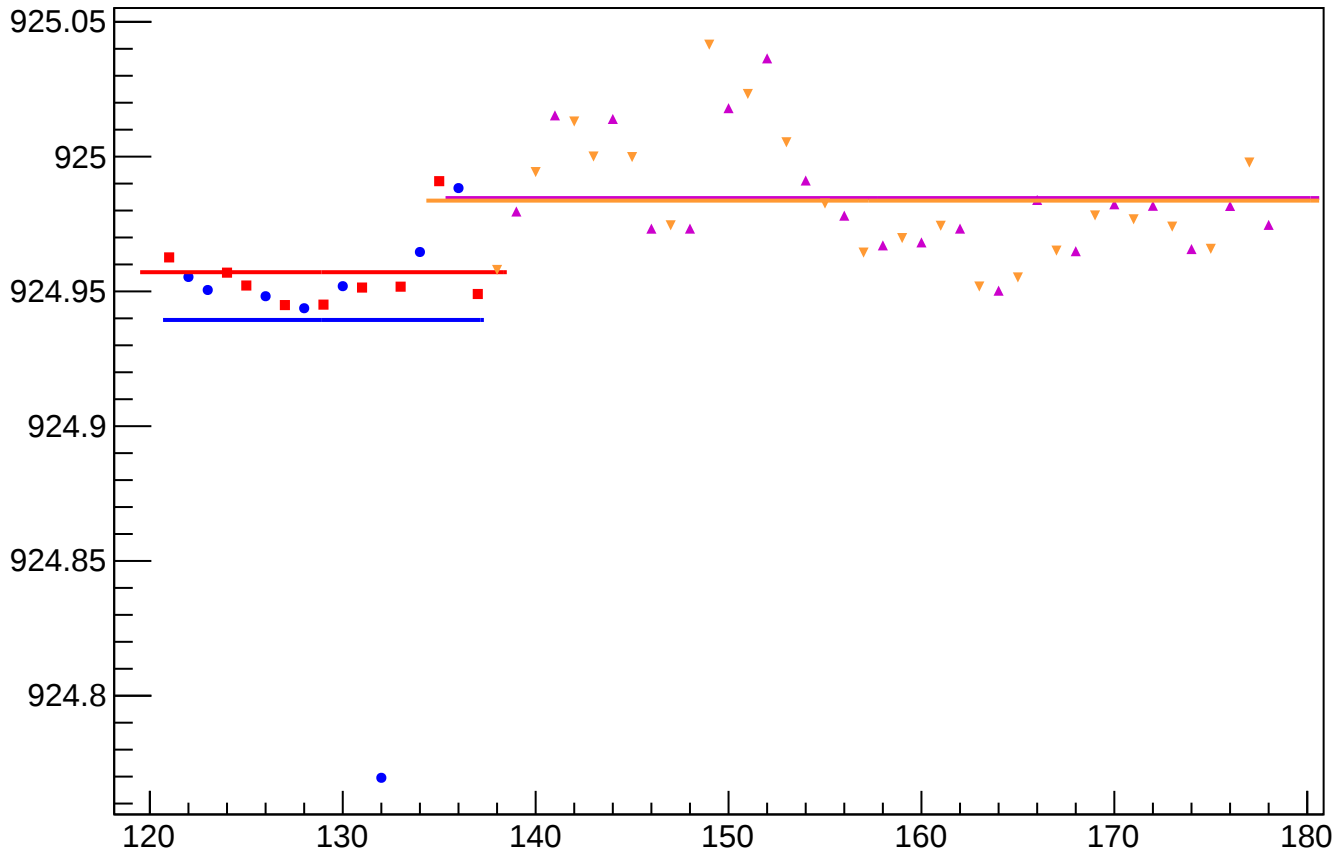
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/19

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/57

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 $\pm$ 0.000 χ^2 /NDF: 1401458495809517406218388242432.0/7

Left Out: 924.984 $\pm$ 0.000 χ^2 /NDF: 861275216713262218760222146560.0/20

Right Out: 924.957 $\pm$ 0.000 χ^2 /NDF: 71808709366506786060310151168.0/8

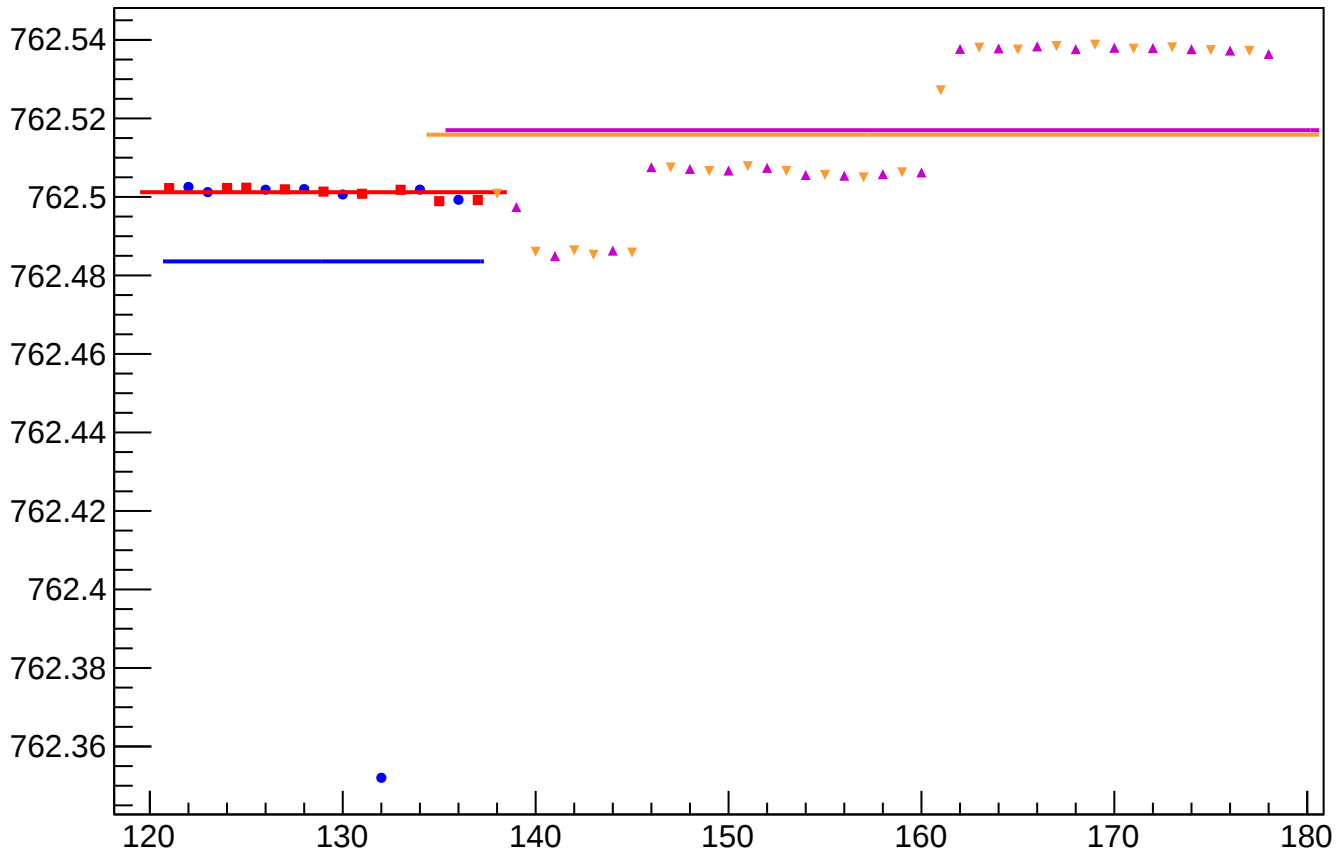
Left In: 924.985 $\pm$ 0.000 χ^2 /NDF: 726310988643277427264110723072.0/19

+ sign 924.976 $\pm$ 0.000 χ^2 /NDF: 281723211190755

All: 924.978 $\pm$ 0.000 χ^2 /NDF: 38327007880

- sign 924.980 $\pm$ 0.000 χ^2 /NDF: 999437397114329

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.484 $\pm$ 0.000

χ^2 /NDF: 784430761251084401798891438080.0/7

Left Out: 762.516 $\pm$ 0.000

χ^2 /NDF: 633713815652901525948513386496.0/20

Right Out: 762.501 $\pm$ 0.000

χ^2 /NDF: 469794702848036819563446272.0/8

Left In: 762.517 $\pm$ 0.000

χ^2 /NDF: 565236986045747004710974390272.0/19

+ sign 762.510 $\pm$ 0.000

χ^2 /NDF: 171302310763757

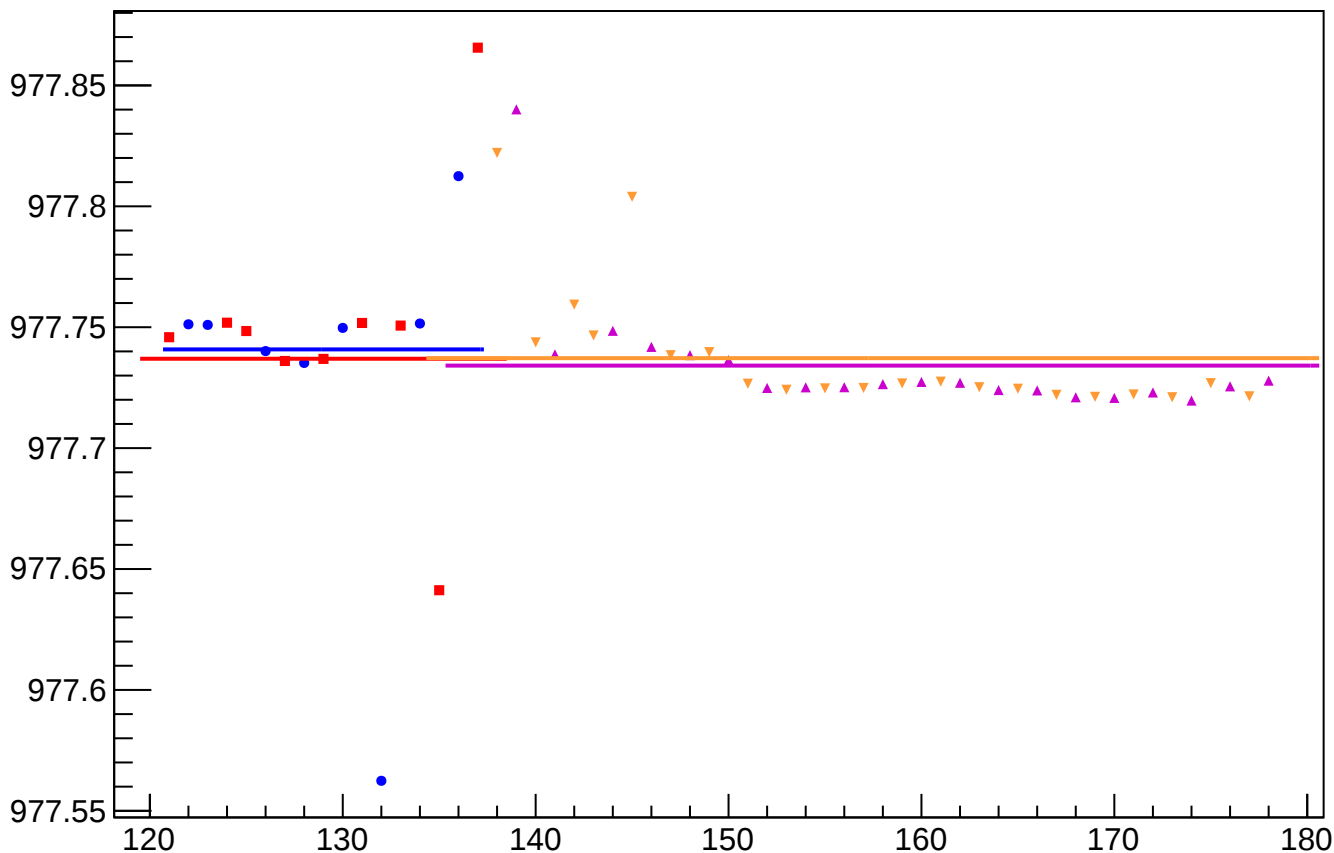
All: 762.512 $\pm$ 0.000

χ^2 /NDF: 236164809724

- sign 762.514 $\pm$ 0.000

χ^2 /NDF: 632140225912555

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.741 $\pm$ 0.000 χ^2 /NDF: 1738104571804792841781326643200.0/7

Left Out: 977.737 $\pm$ 0.000 χ^2 /NDF: 1148442283760371860886710648832.0/20

Right Out: 977.737 $\pm$ 0.000 χ^2 /NDF: 772313054358211830610902646784.0/8

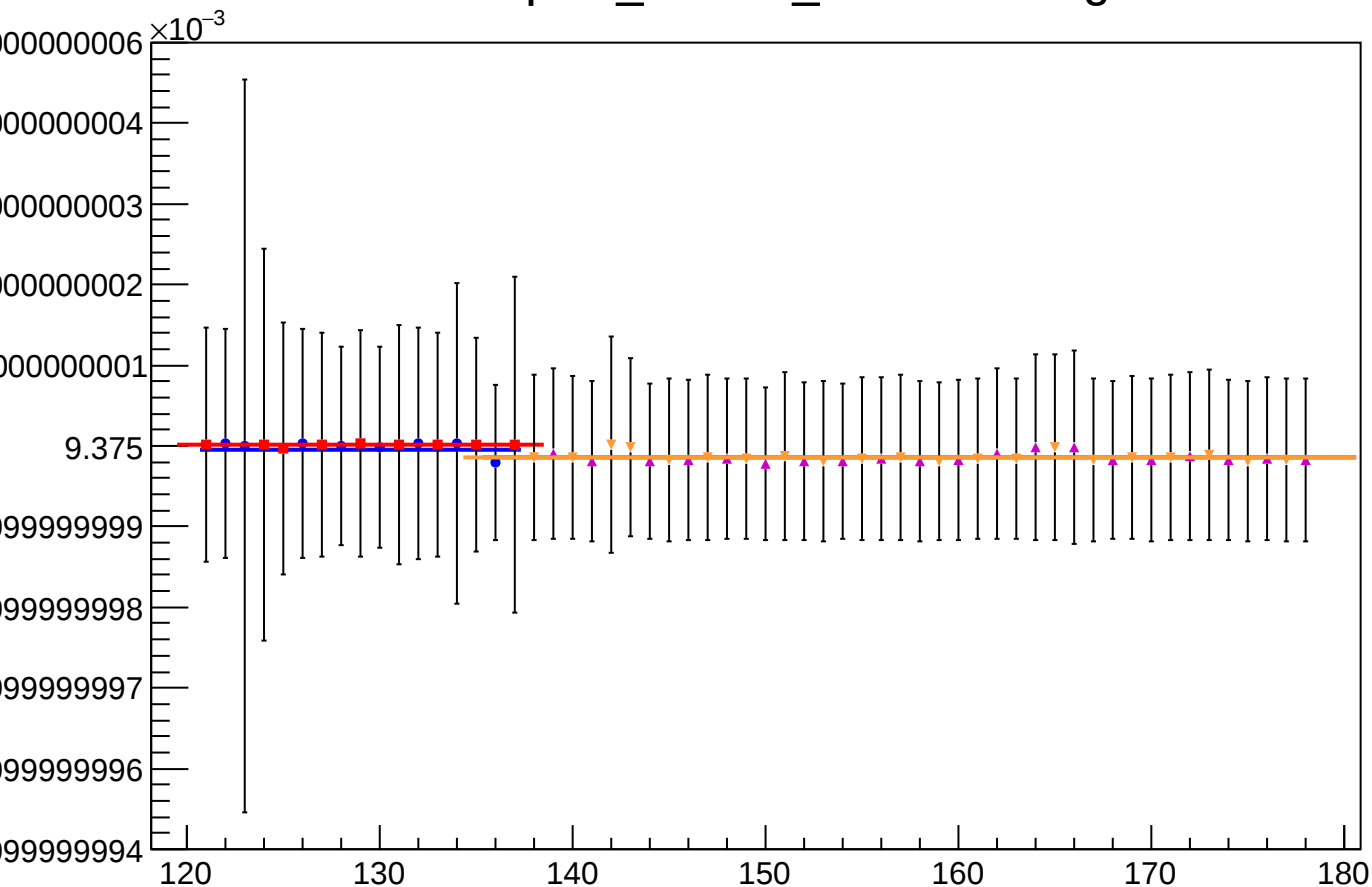
Left In: 977.734 $\pm$ 0.000 χ^2 /NDF: 969345003058490328526117404672.0/19

+ sign 977.738 $\pm$ 0.000 χ^2 /NDF: 289025526157313

All: 977.736 $\pm$ 0.000 χ^2 /NDF: 464429103349

- sign 977.735 $\pm$ 0.000 χ^2 /NDF: 174379871967436

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/20

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

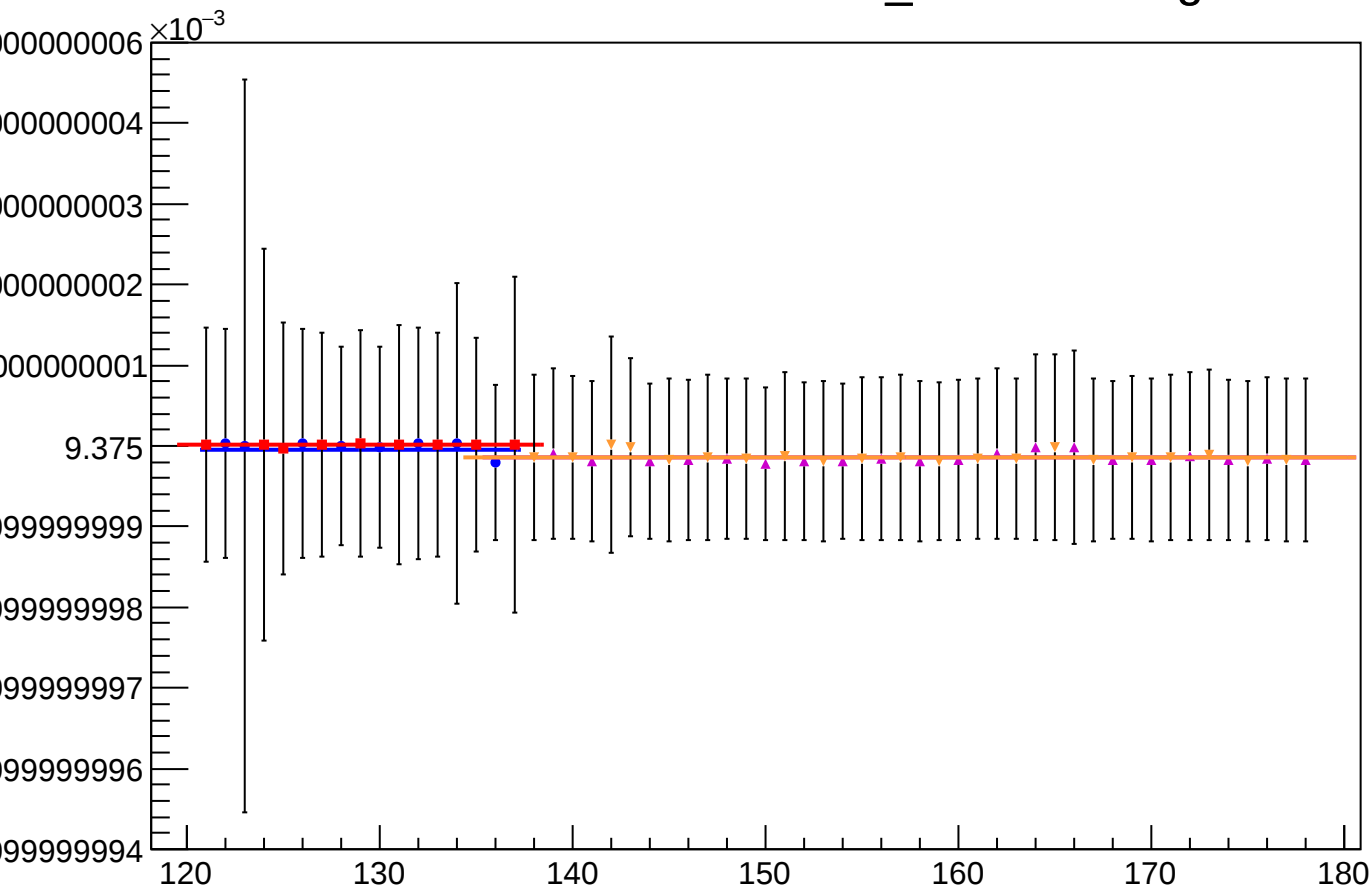
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/19

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/57

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

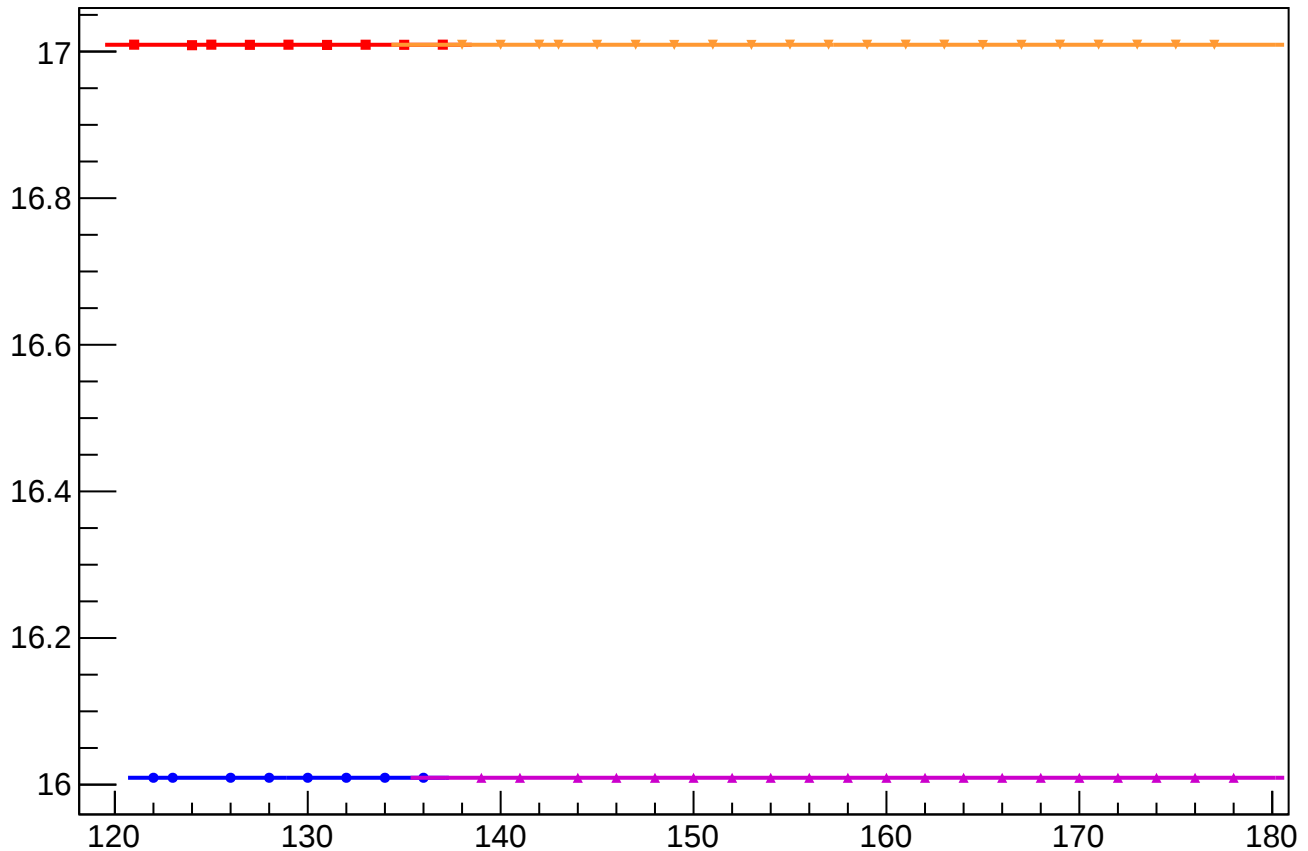
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/19

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.3/57

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/28

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: 23392093593986262548611072.0/20

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

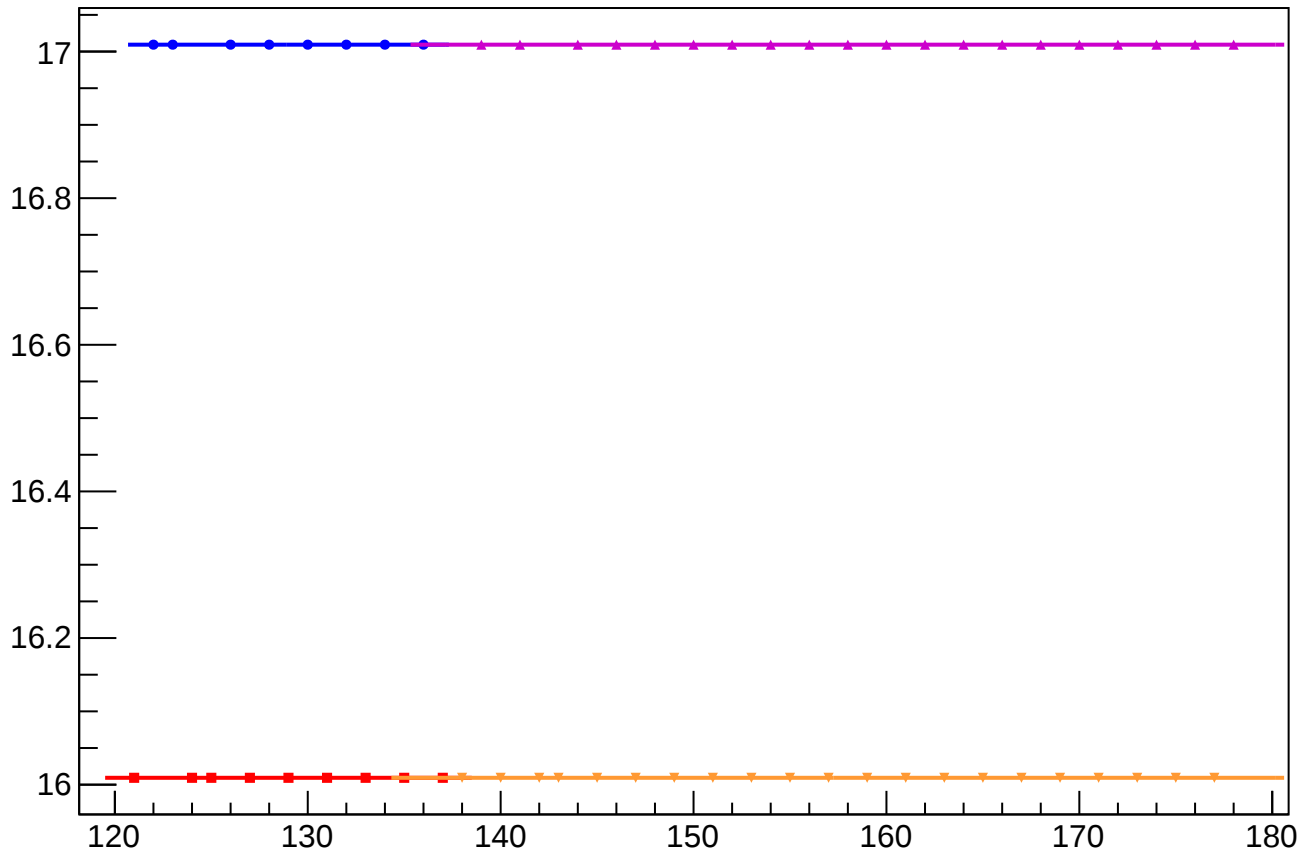
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127308383582123330633728.0/19

+ sign 16.836 $\pm$ 0.000 χ^2 /NDF: 2612521834451262

All: 16.507 $\pm$ 0.000 χ^2 /NDF: 9092685286973

- sign 16.176 $\pm$ 0.000 χ^2 /NDF: 2516000128758997

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: 86396.0/20

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 17859.8/8

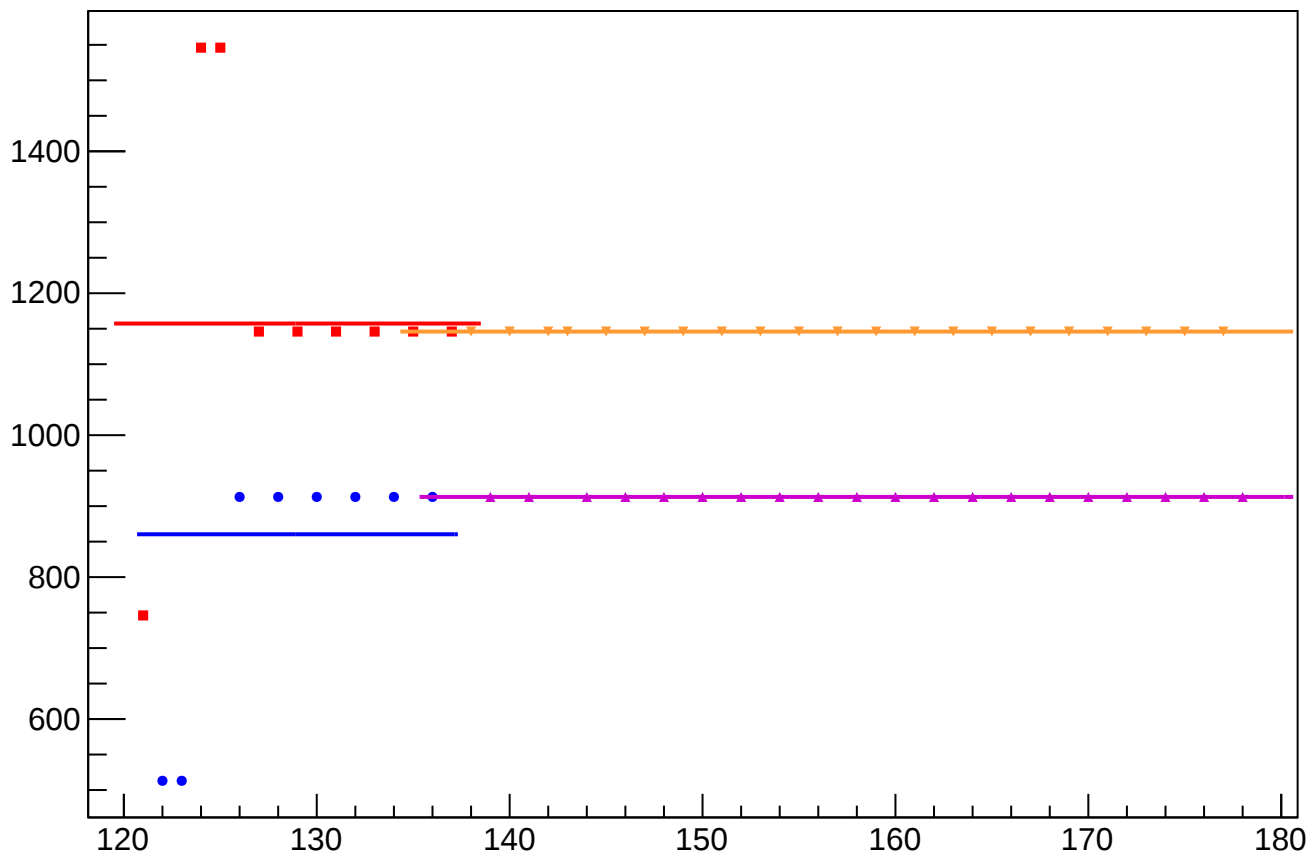
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114366809047226814300160.0/19

+ sign 16.184 $\pm$ 0.000 χ^2 /NDF: 2821718670076677

All: 16.508 $\pm$ 0.000 χ^2 /NDF: 9624841364816

- sign 16.841 $\pm$ 0.000 χ^2 /NDF: 2652992118568108

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 : 5185569989122936655484813312.0/20

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

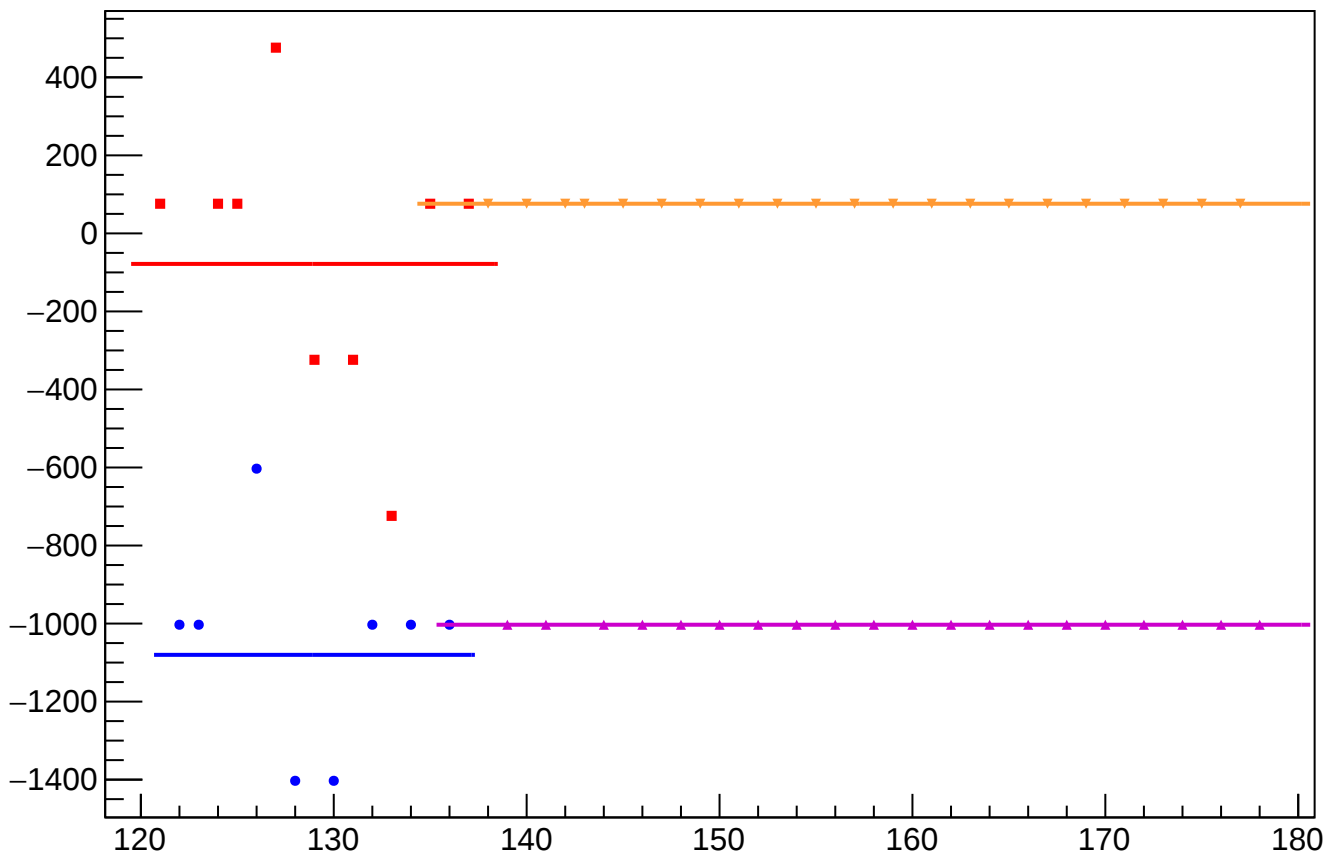
Left In: 912.995+/-0.000 χ^2/NDF : 23718687129593346527112200192.0/19

+ sign 1096.646+/-0.000 χ^2/NDF : 29336001683989

All: 1025.879+/-0.000 χ^2/NDF : 79177478816

- sign 953.353+/-0.000 χ^2/NDF : 297735598003418

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: 10129774183441503624456306688.0/20
 Right Out: -78.224 $\pm$ 0.000 χ^2 /NDF: 39611265375063350144036471826150326272.0/8
 Left In: -1002.990 $\pm$ 0.000 χ^2 /NDF: 2354334773737381480217182208.0/19