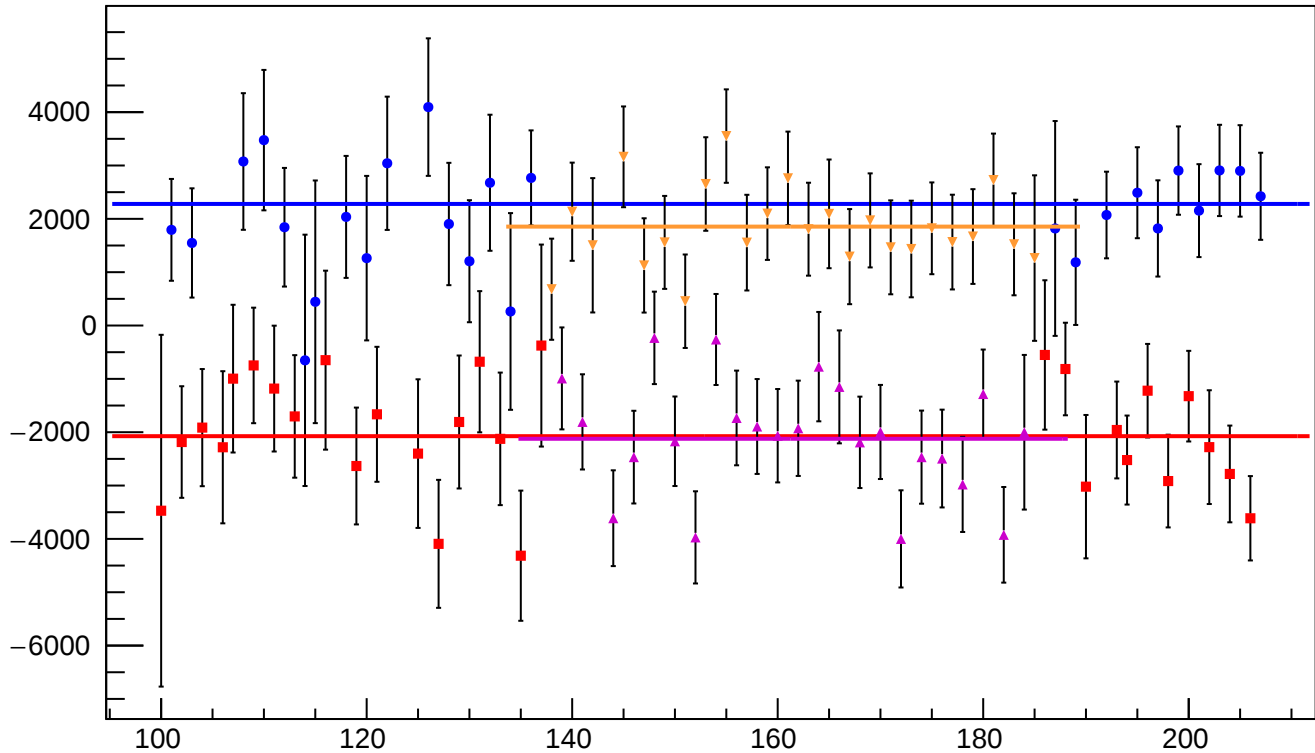


reg_asym_us_avg_mean vs Slug



Right In: 2279.404 $\pm$ 210.176

Left Out: 1854.267 $\pm$ 187.405

Right Out: -2074.382 $\pm$ 205.149

Left In: -2123.138 $\pm$ 188.684

χ^2 /NDF: 12.7/25

χ^2 /NDF: 15.1/23

χ^2 /NDF: 23.5/28

χ^2 /NDF: 32.0/22

+ sign 2042.566 $\pm$ 139.876

All: -43.973 $\pm$ 98.552

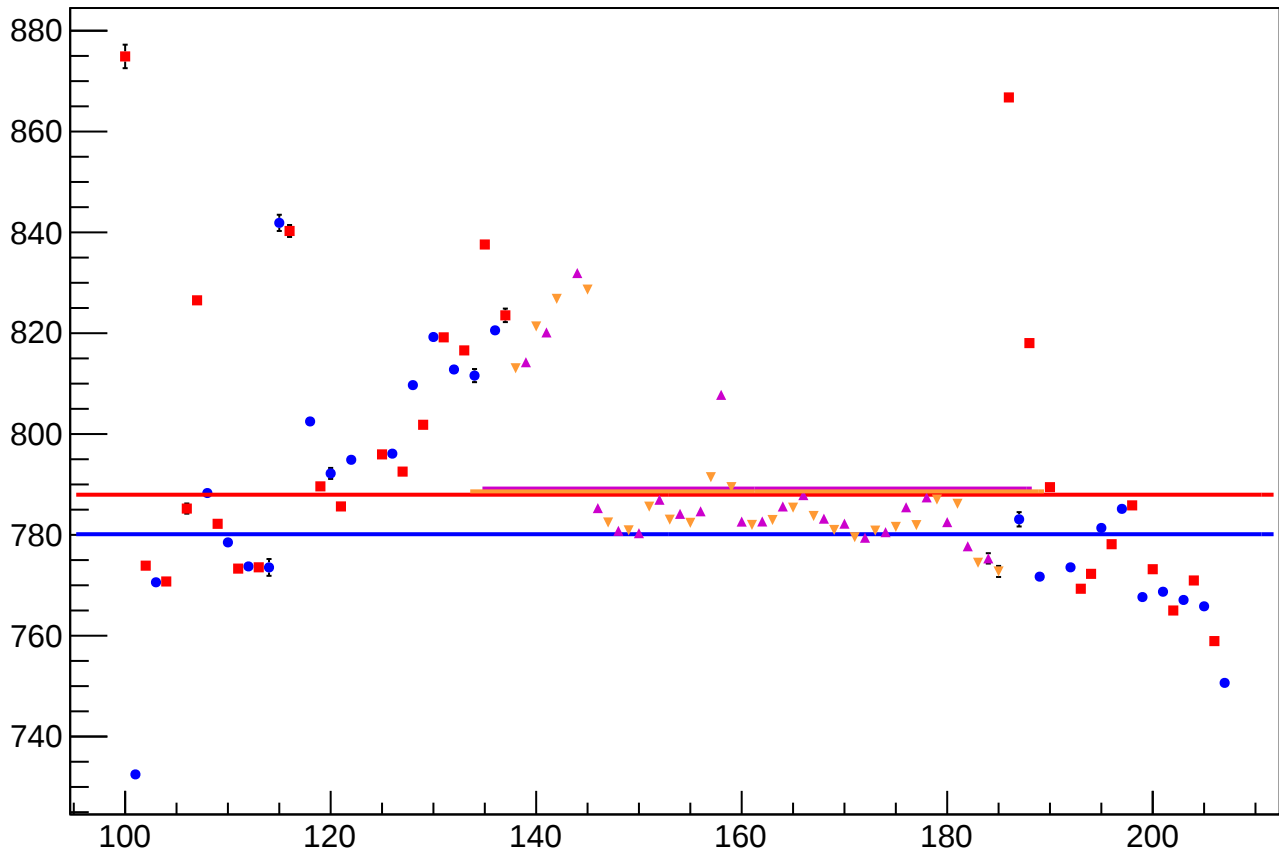
- sign -2100.795 $\pm$ 138.876

χ^2 /NDF: 30.1/49

χ^2 /NDF: 527.5/101

χ^2 /NDF: 55.5/51

reg_asym_us_avg_rms vs Slug



Right In: 780.131 $\pm$ 0.149 χ^2 /NDF: 22686.8/25

Left Out: 788.629 $\pm$ 0.133 χ^2 /NDF: 11478.1/23

Right Out: 787.968 $\pm$ 0.145 χ^2 /NDF: 28455.8/28

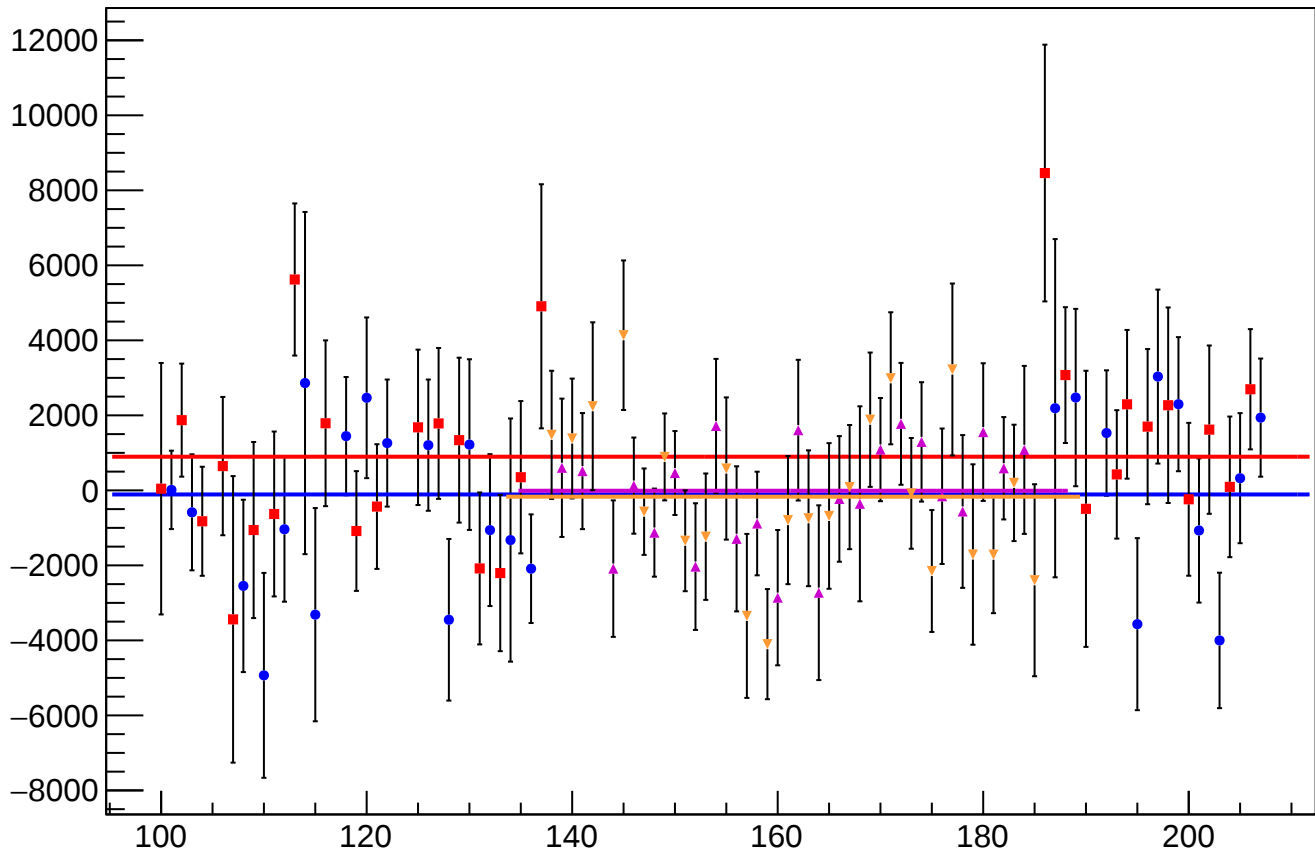
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF: 11343.2/22

+ sign 784.865 $\pm$ 0.099 χ^2 /NDF: 35986.7/49

All: 786.760 $\pm$ 0.070 χ^2 /NDF: 76552.4/101

- sign 788.627 $\pm$ 0.098 χ^2 /NDF: 39837.2/51

asym_us_avg_correction_mean vs Slug



Right In: -109.114 $\pm$ 372.579 χ^2 /NDF: 29.9/25

Left Out: -169.172 $\pm$ 340.391 χ^2 /NDF: 30.0/23

Right Out: 897.258 $\pm$ 377.764 χ^2 /NDF: 27.8/28

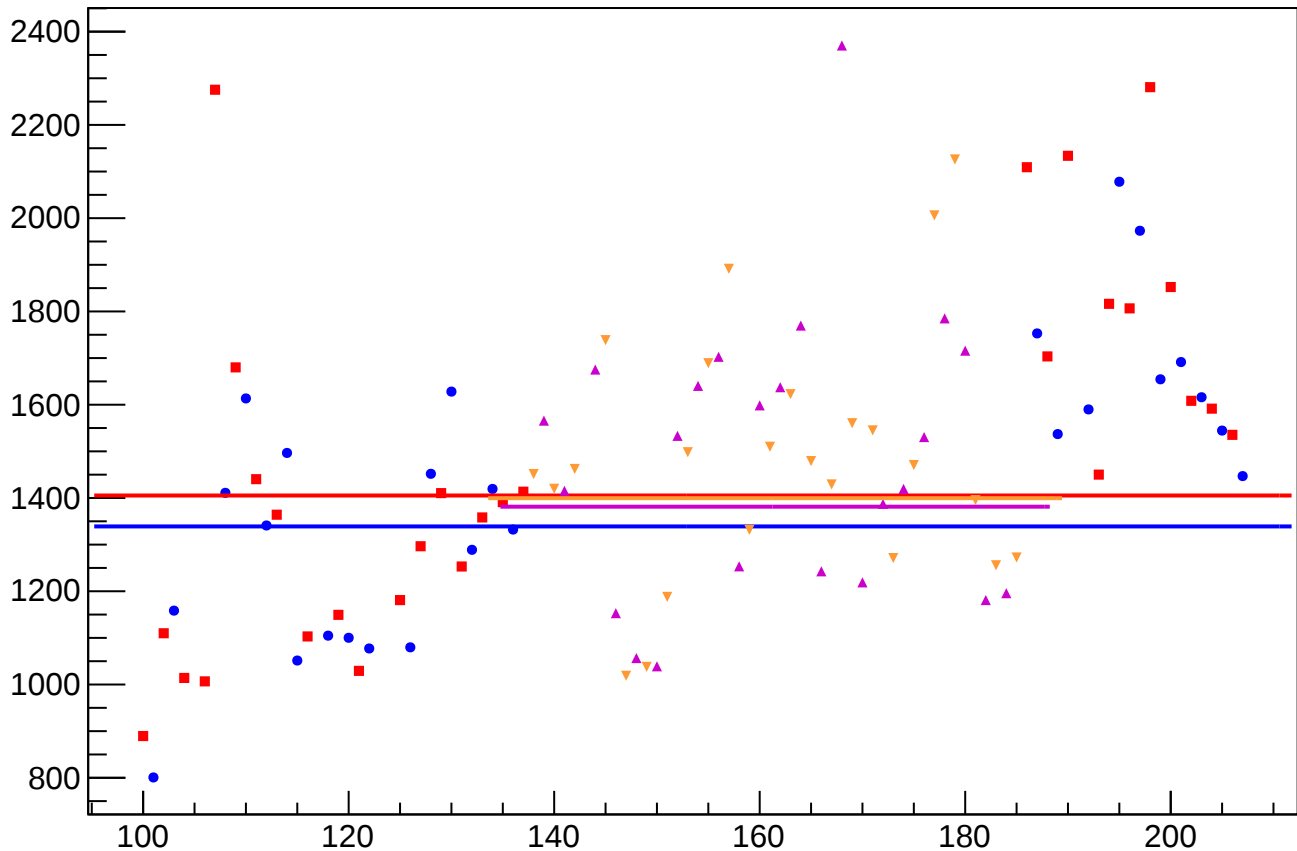
Left In: -10.093 $\pm$ 337.810 χ^2 /NDF: 14.2/22

+ sign -141.849 $\pm$ 251.303 χ^2 /NDF: 59.9/49

All: 125.073 $\pm$ 177.878 χ^2 /NDF: 107.4/101

- sign 393.078 $\pm$ 251.813 χ^2 /NDF: 45.2/51

asym_us_avg_correction_rms vs Slug



Right In: 1339.003 $\pm$ 0.263 χ^2 /NDF: 1450868.2/25

Left Out: 1399.587 $\pm$ 0.241 χ^2 /NDF:1119125.1/23

Right Out: 1405.332 $\pm$ 0.267 χ^2 /NDF: 1478717.1/28

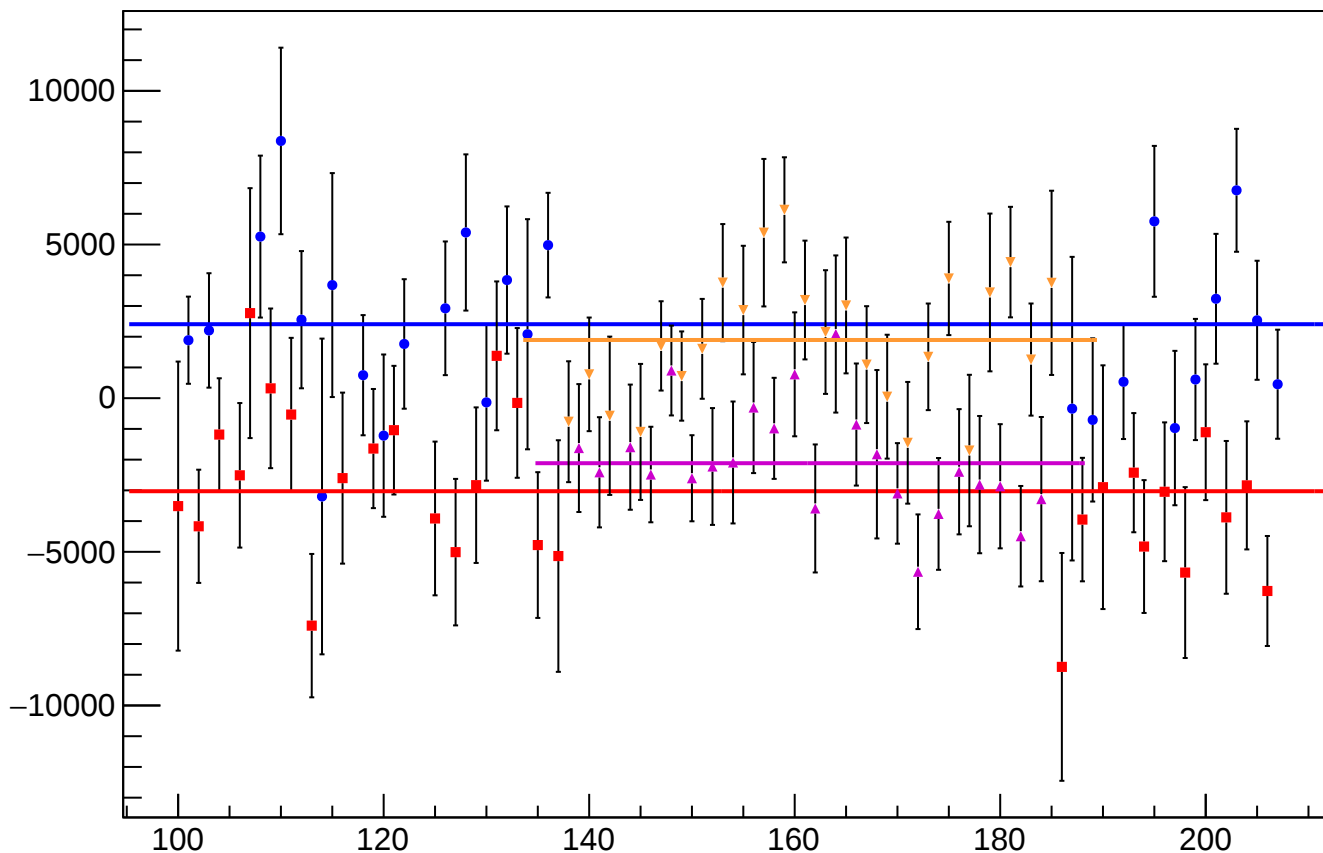
Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF:1276488.2/22

+ sign 1372.025 $\pm$ 0.178 χ^2 /NDF: 2598816.5/49

All: 1381.998 $\pm$ 0.126 χ^2 /NDF: 5364810.0/10

- sign 1392.011 $\pm$ 0.178 χ^2 /NDF: 2759681.1/51

asym_us_avg_mean vs Slug



Right In: 2407.003 $\pm$ 438.352 χ^2 /NDF: 27.6/25

Left Out: 1893.469 $\pm$ 394.877 χ^2 /NDF:25.9/23

Right Out: -3027.828 $\pm$ 439.676 χ^2 /NDF: 25.9/28

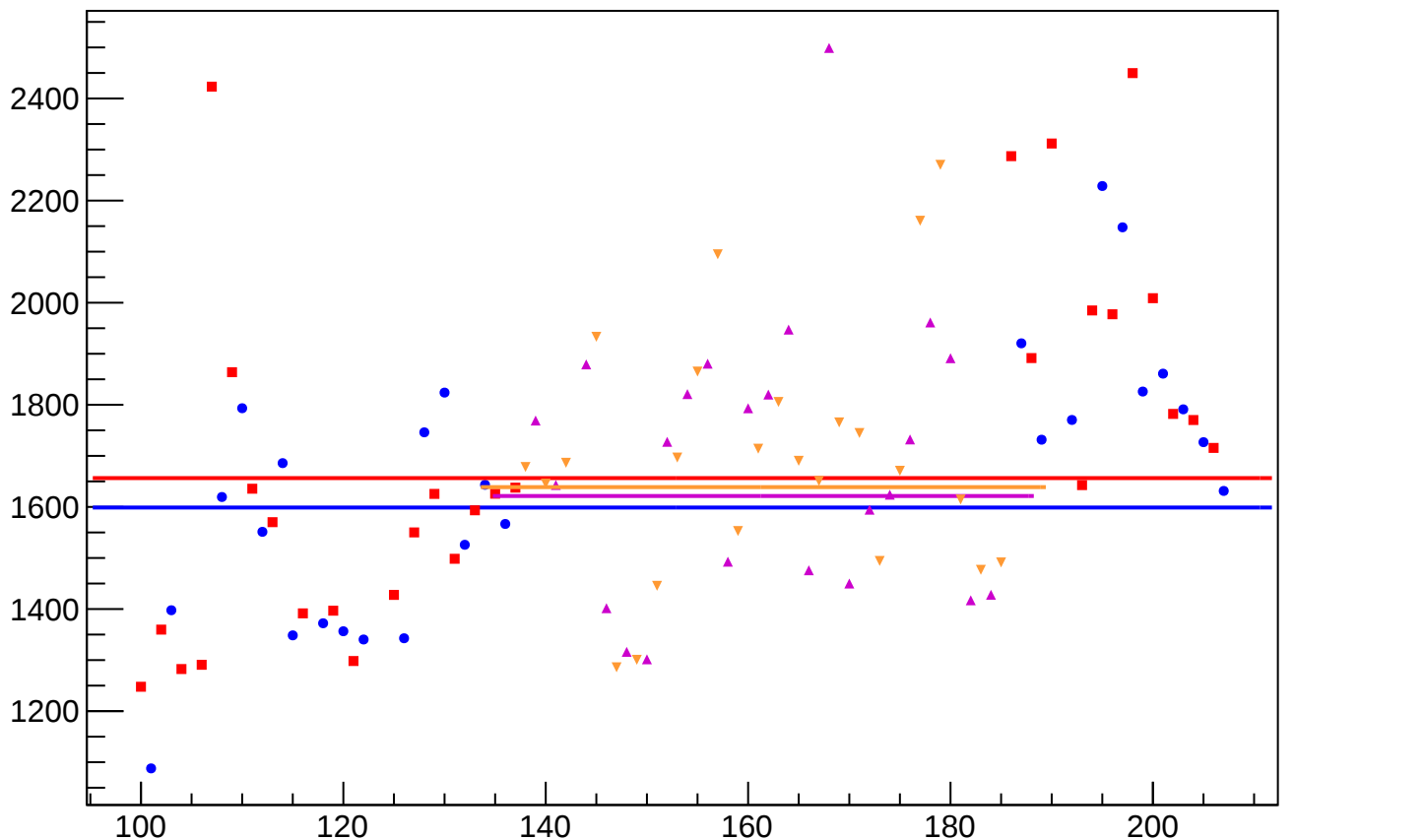
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 2123.514 $\pm$ 293.390 χ^2 /NDF: 54.3/49

All: -201.770 $\pm$ 207.323 χ^2 /NDF: 226.9/101

- sign -2521.021 $\pm$ 293.009 χ^2 /NDF: 47.1/51

asym_us_avg_rms vs Slug



Right In: 1598.850+/-0.310 χ^2/NDF : 771674.1/25

Left Out: 1638.806+/-0.279 χ^2/NDF : 671906.6/23

Right Out: 1656.476+/-0.311 χ^2/NDF : 882771.2/28

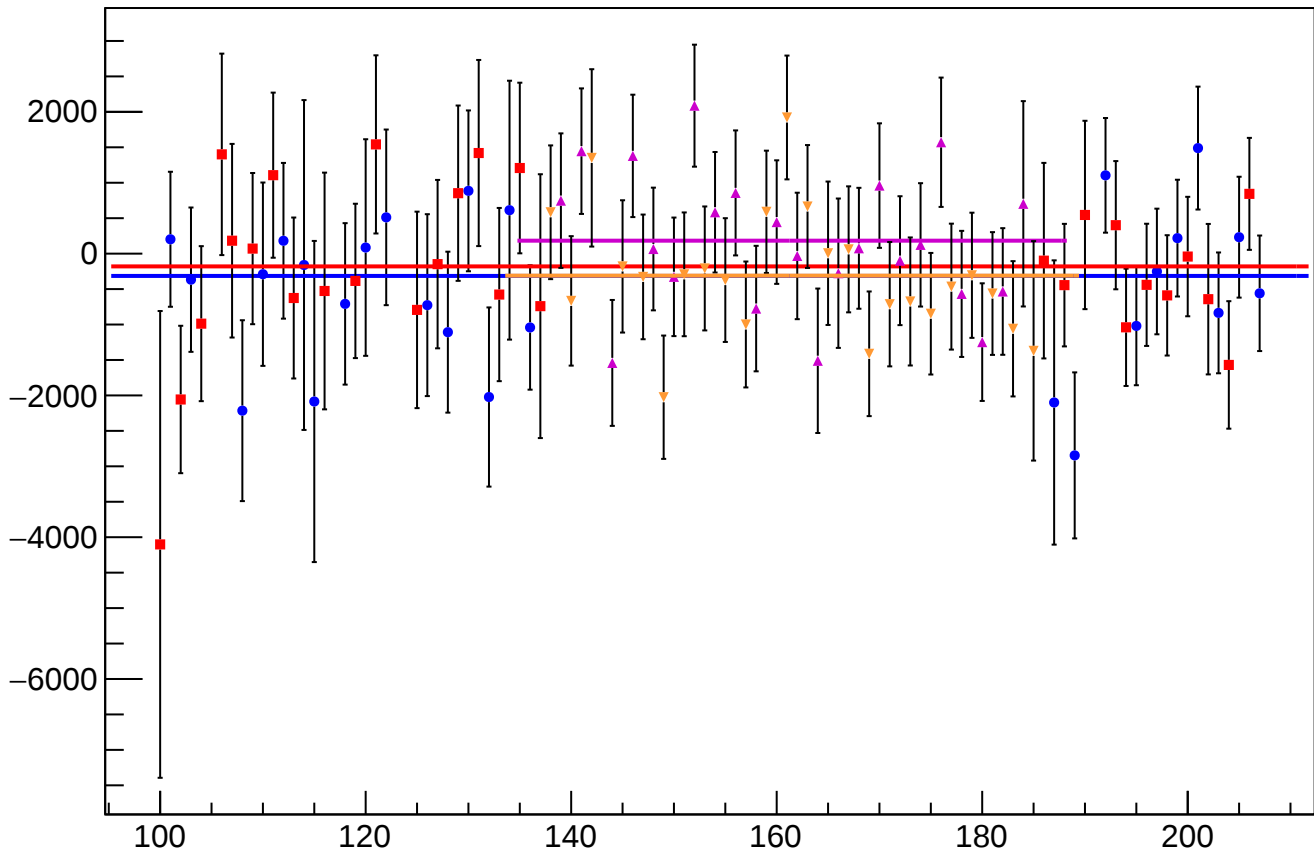
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1620.907+/-0.207 χ^2/NDF : 1452753.9/49

All: 1628.958+/-0.147 χ^2/NDF : 3120911.5/10

- sign 1636.987+/-0.207 χ^2/NDF : 1665150.0/51

reg_asym_us_dd_mean vs Slug



Right In: -314.367 ± 208.514 χ^2/NDF : 23.3/25

Left Out: -310.563 ± 186.538 χ^2/NDF : 20.0/23

Right Out: -179.937 ± 203.224 χ^2/NDF : 20.3/28

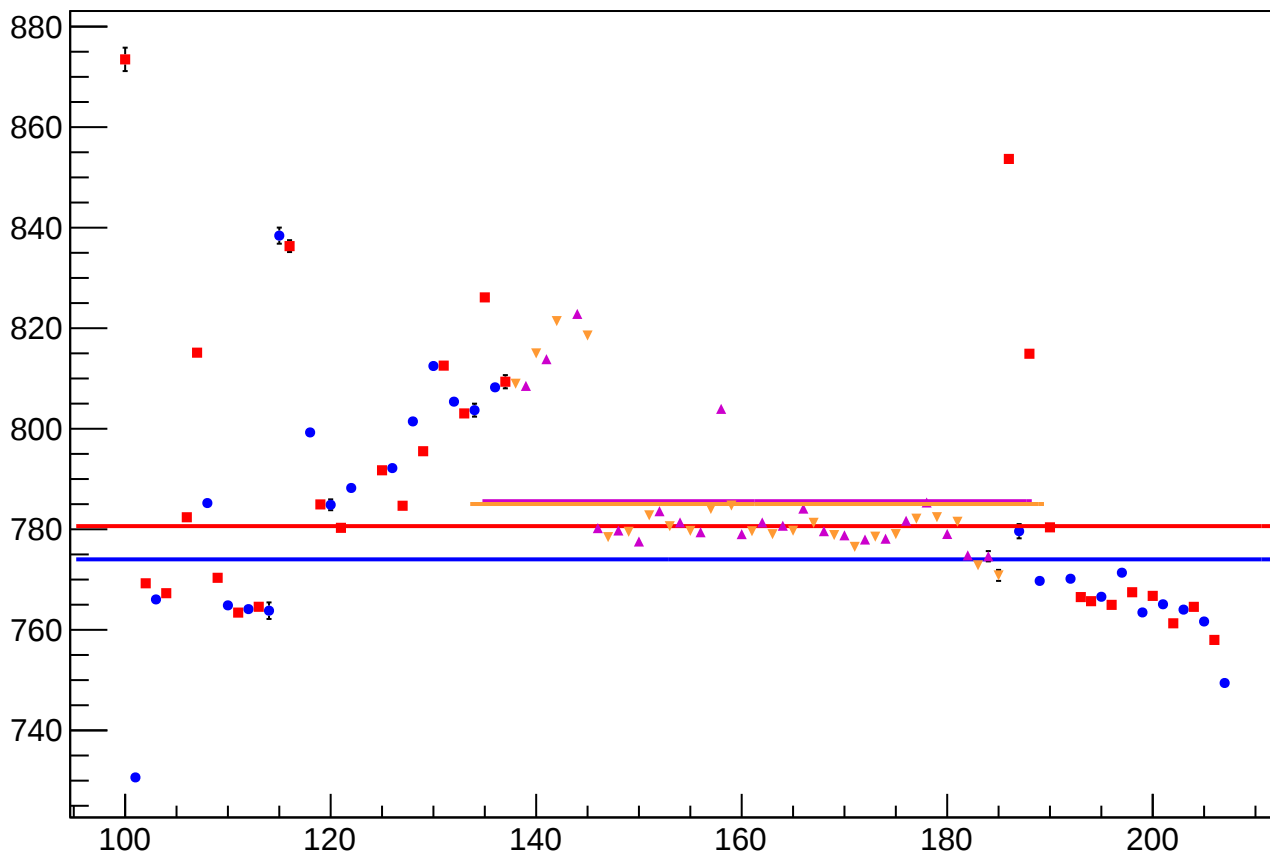
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -312.254 ± 139.025 χ^2/NDF : 43.4/49

All: -146.957 ± 97.917 χ^2/NDF : 94.3/101

- sign 15.752 ± 137.932 χ^2/NDF : 48.2/51

reg_asym_us_dd_rms vs Slug



Right In: 774.020 $\pm$ 0.147 χ^2 /NDF: 19686.4/25

Left Out: 785.031 $\pm$ 0.132 χ^2 /NDF:9367.9/23

Right Out: 780.633 $\pm$ 0.144 χ^2 /NDF: 26846.7/28

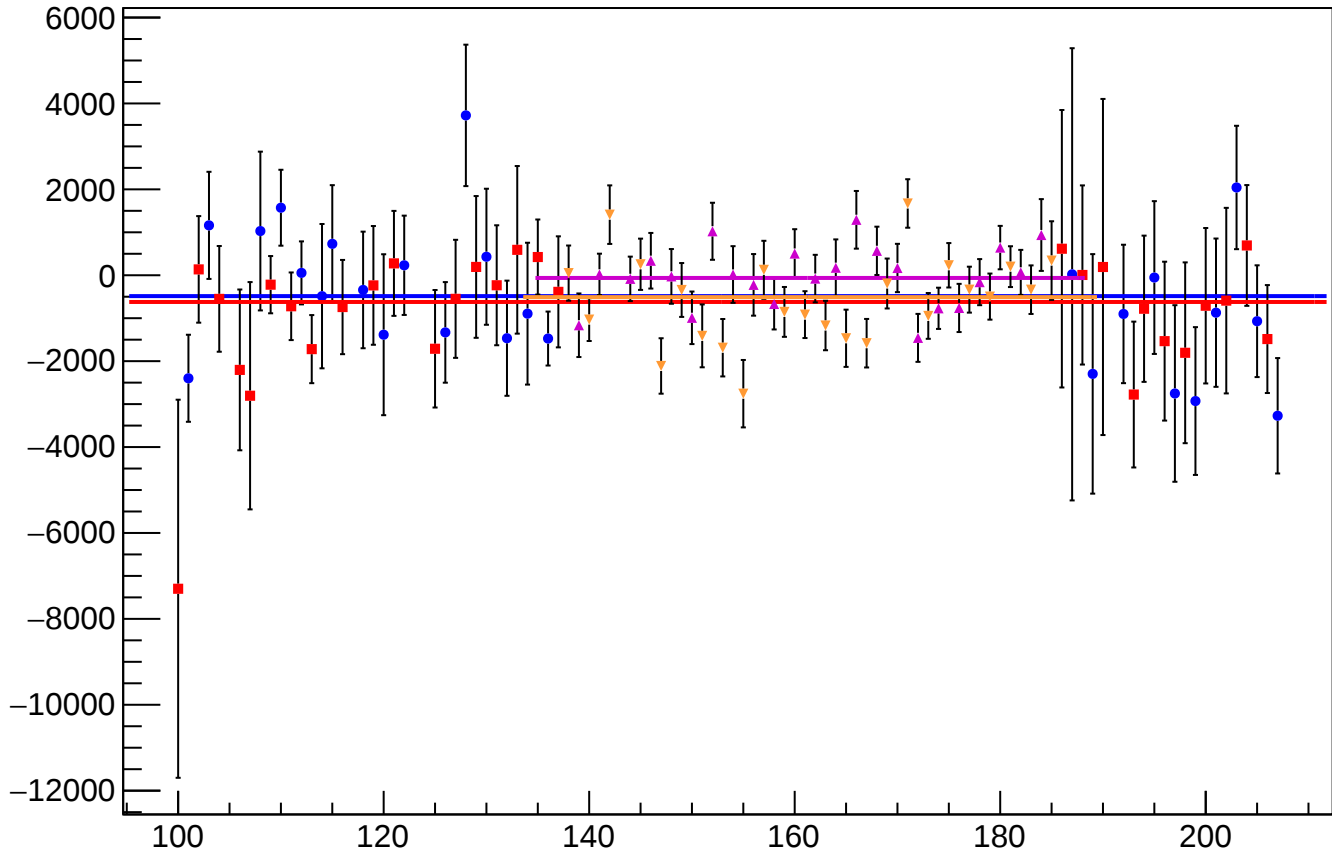
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF:9373.7/22

+ sign 780.136 $\pm$ 0.098 χ^2 /NDF: 32151.9/49

All: 781.734 $\pm$ 0.069 χ^2 /NDF: 69539.1/101

- sign 783.308 $\pm$ 0.098 χ^2 /NDF: 36862.7/51

asym_us_dd_correction_mean vs Slug



Right In: -485.606 ± 250.983 χ^2/NDF : 35.3/25

Left Out: -509.311 ± 121.190 χ^2/NDF : 60.5/23

Right Out: -621.991 ± 245.099 χ^2/NDF : 13.6/28

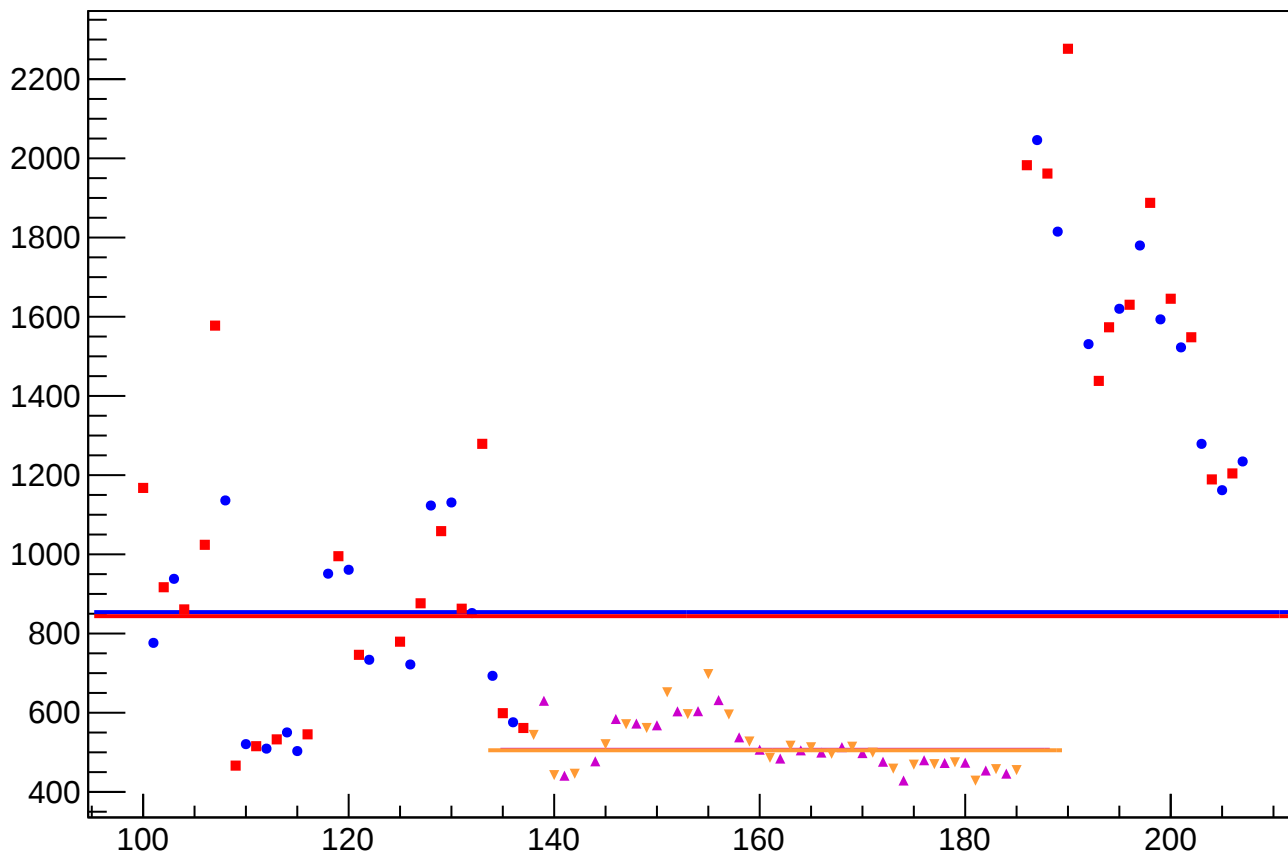
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -504.829 ± 109.134 χ^2/NDF : 95.8/49

All: -339.530 ± 77.210 χ^2/NDF : 147.0/101

- sign -173.877 ± 109.250 χ^2/NDF : 46.6/51

asym_us_dd_correction_rms vs Slug



Right In: 854.089+/-0.177 χ^2/NDF : 4167187.9/25

Left Out: 505.220+/-0.086 χ^2/NDF :485593.0/23

Right Out: 843.877+/-0.173 χ^2/NDF : 5512123.0/28

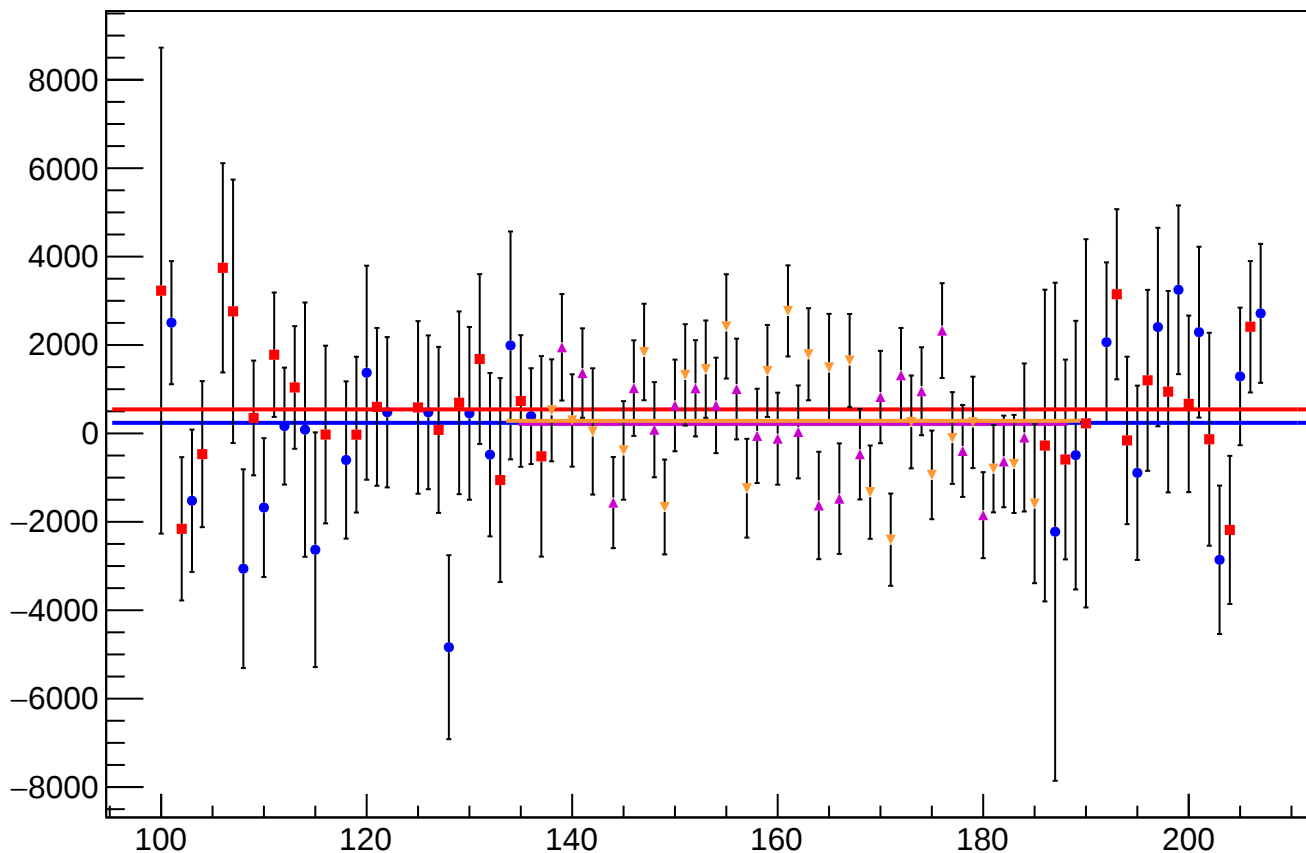
Left In: 506.380+/-0.086 χ^2/NDF :436294.4/22

+ sign 571.182+/-0.077 χ^2/NDF : 7786404.5/49

All: 572.307+/-0.055 χ^2/NDF : 16773961.6/10

- sign 573.436+/-0.077 χ^2/NDF : 8987130.9/51

asym_us_dd_mean vs Slug



Right In: 239.433 $\pm$ 355.682 χ^2 /NDF: 28.2/25

Left Out: 285.144 $\pm$ 224.378 χ^2 /NDF: 38.3/23

Right Out: 543.728 $\pm$ 353.470 χ^2 /NDF: 14.7/28

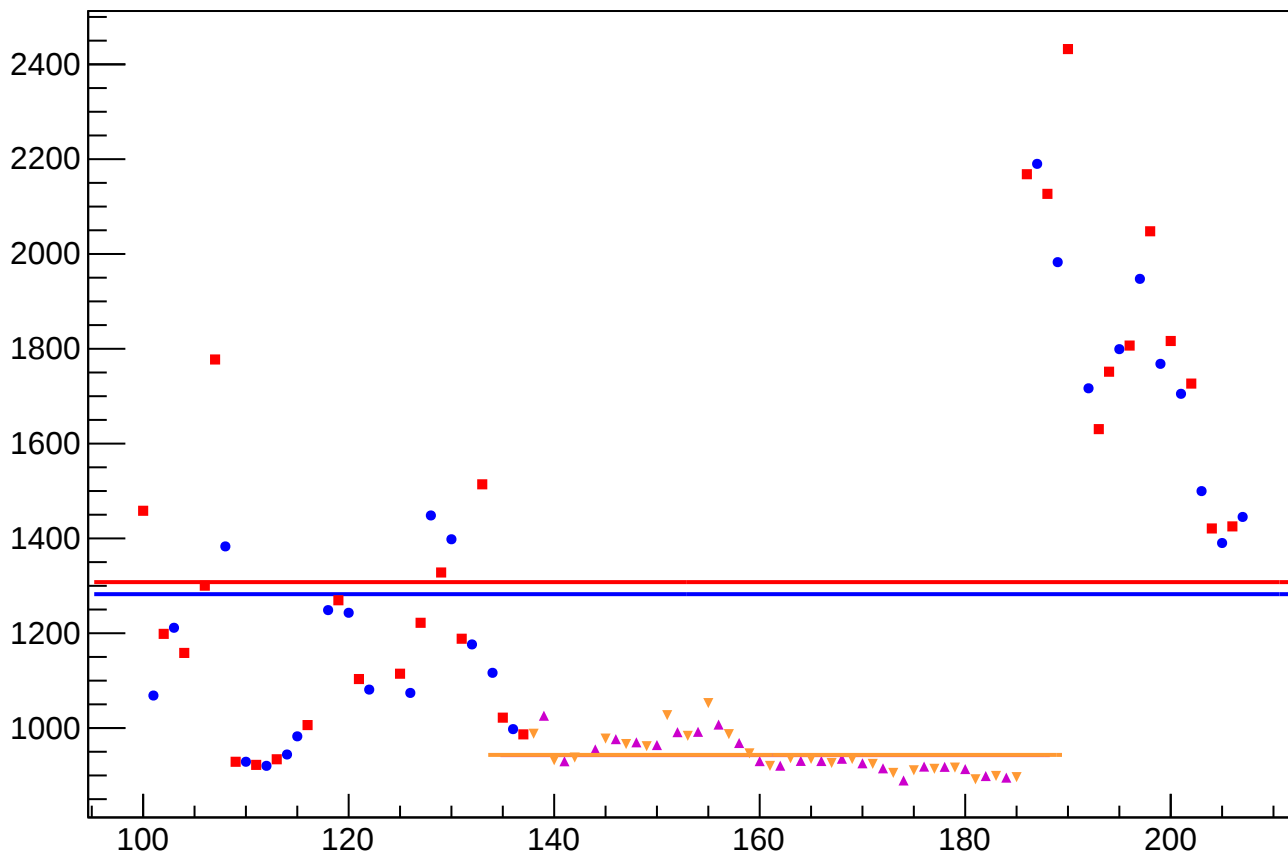
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF: 24.4/22

+ sign 272.132 $\pm$ 189.772 χ^2 /NDF: 66.5/49

All: 291.499 $\pm$ 134.329 χ^2 /NDF: 106.3/101

- sign 310.946 $\pm$ 190.168 χ^2 /NDF: 39.8/51

asym_us_dd_rms vs Slug



Right In: 1282.411+/-0.252 χ^2/NDF : 1466308.0/25

Left Out: 943.351+/-0.159 χ^2/NDF : 60365.2/23

Right Out: 1307.828+/-0.250 χ^2/NDF : 2011519.1/28

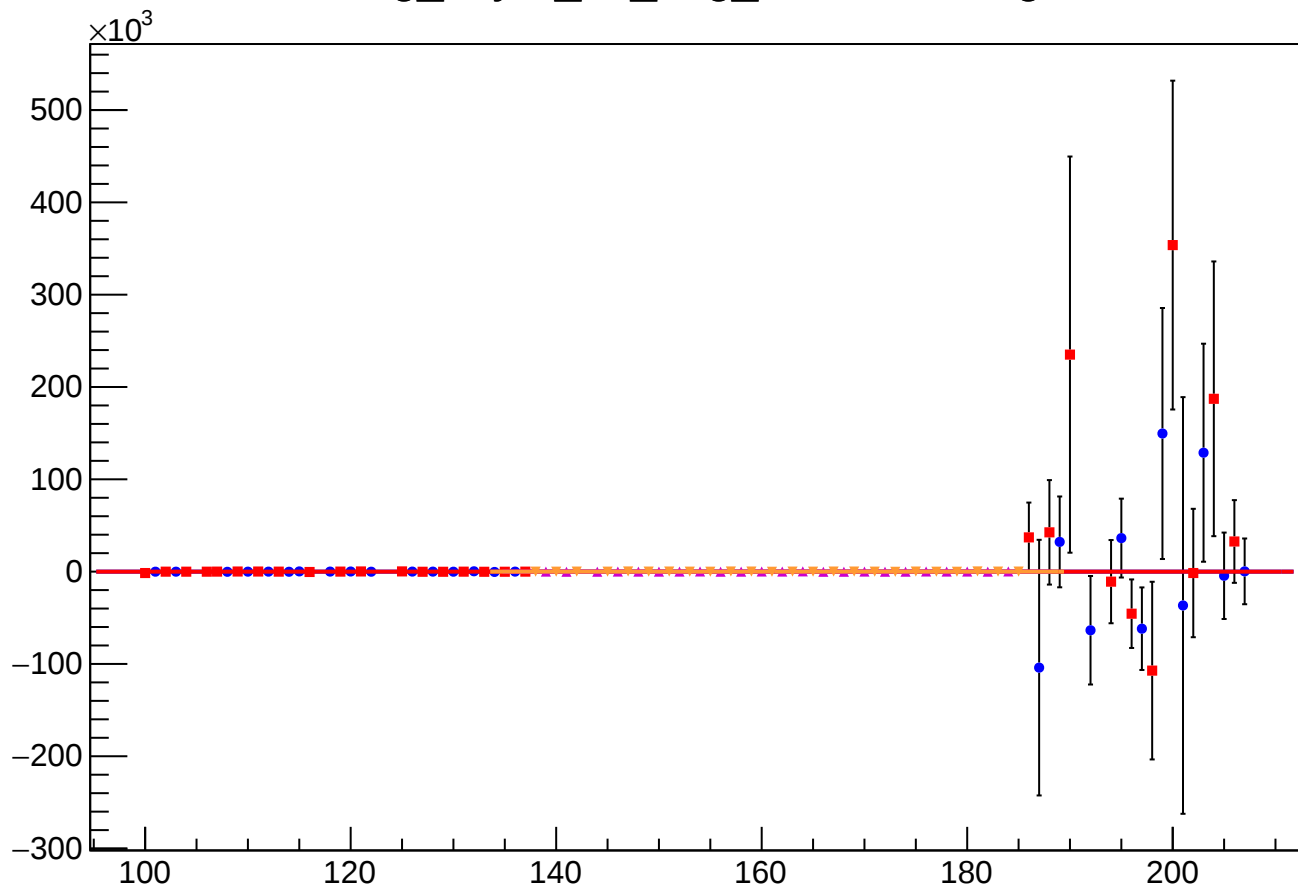
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1039.871+/-0.134 χ^2/NDF : 2826740.9/49

All: 1044.200+/-0.095 χ^2/NDF : 6403262.7/10

- sign 1048.547+/-0.134 χ^2/NDF : 3574436.1/51

reg_asym_ds_avg_mean vs Slug



Right In: -15.557 ± 30.032 χ^2/NDF : 23.2/25

Left Out: 3.710 ± 21.467 χ^2/NDF : 22.4/23

Right Out: -31.726 ± 30.492 χ^2/NDF : 28.4/27

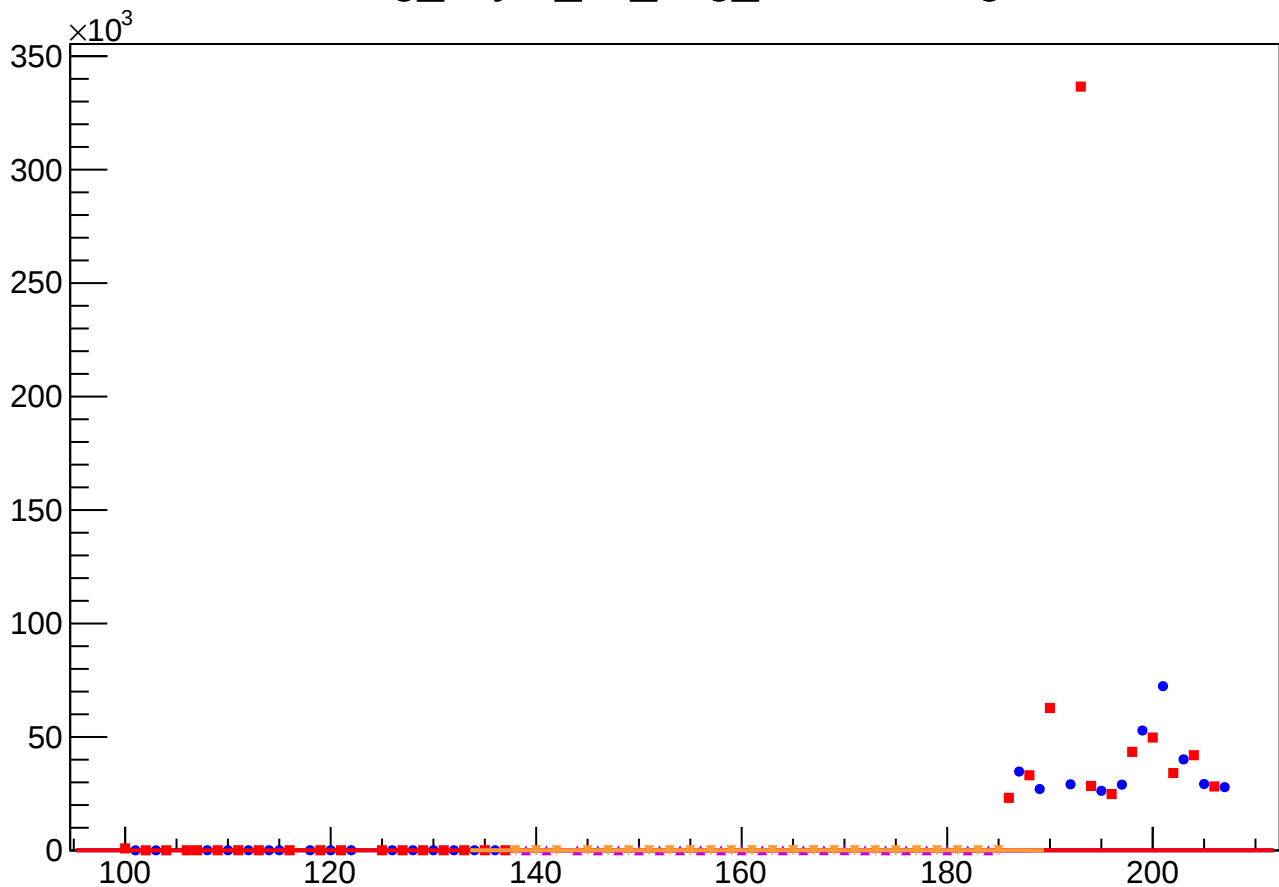
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.805 ± 17.464 χ^2/NDF : 45.9/49

All: 0.907 ± 12.403 χ^2/NDF : 99.0/100

- sign 4.685 ± 17.617 χ^2/NDF : 53.0/50

reg_asym_ds_avg_rms vs Slug



Right In: 76.138+/-0.021 χ^2/NDF : 6093070.6/25

Left Out: 89.692+/-0.015 χ^2/NDF : 466281.5/23

Right Out: 79.455+/-0.022 χ^2/NDF : 5795031.1/28

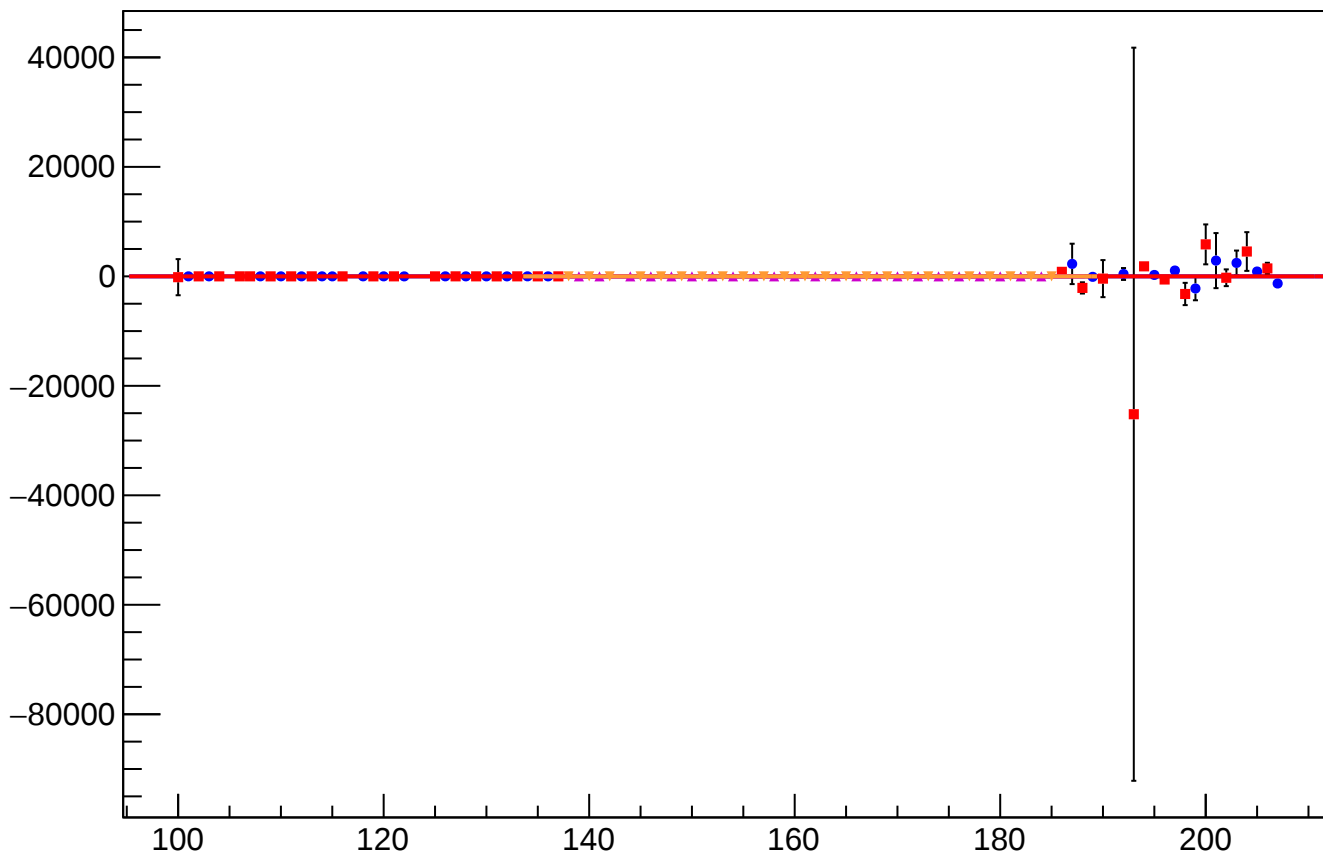
Left In: 89.596+/-0.015 χ^2/NDF : 508511.1/22

+ sign 85.109+/-0.012 χ^2/NDF : 6828955.8/49

All: 85.655+/-0.009 χ^2/NDF : 13283803.5/101

- sign 86.210+/-0.012 χ^2/NDF : 6450902.7/51

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 30.9/25

Left Out: 0.126 ± 0.377 χ^2/NDF : 21.3/23

Right Out: -0.038 ± 0.525 χ^2/NDF : 29.0/28

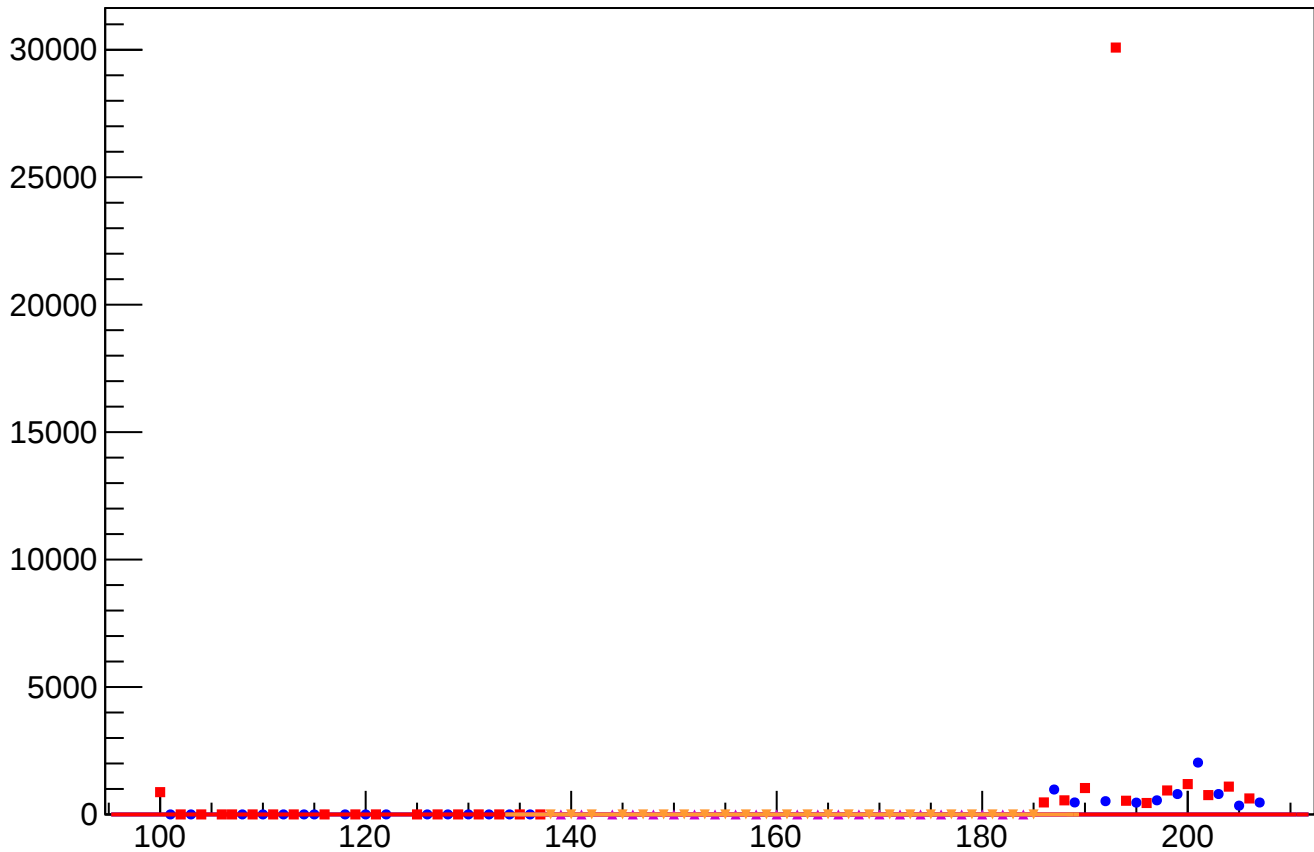
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 ± 0.301 χ^2/NDF : 52.6/49

All: 0.144 ± 0.217 χ^2/NDF : 109.3/101

- sign 0.323 ± 0.312 χ^2/NDF : 56.1/51

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 5307424.3/25

Left Out: 1.408+/-0.000 χ^2/NDF : 987553.0/23

Right Out: 1.260+/-0.000 χ^2/NDF : 5924913.8/28

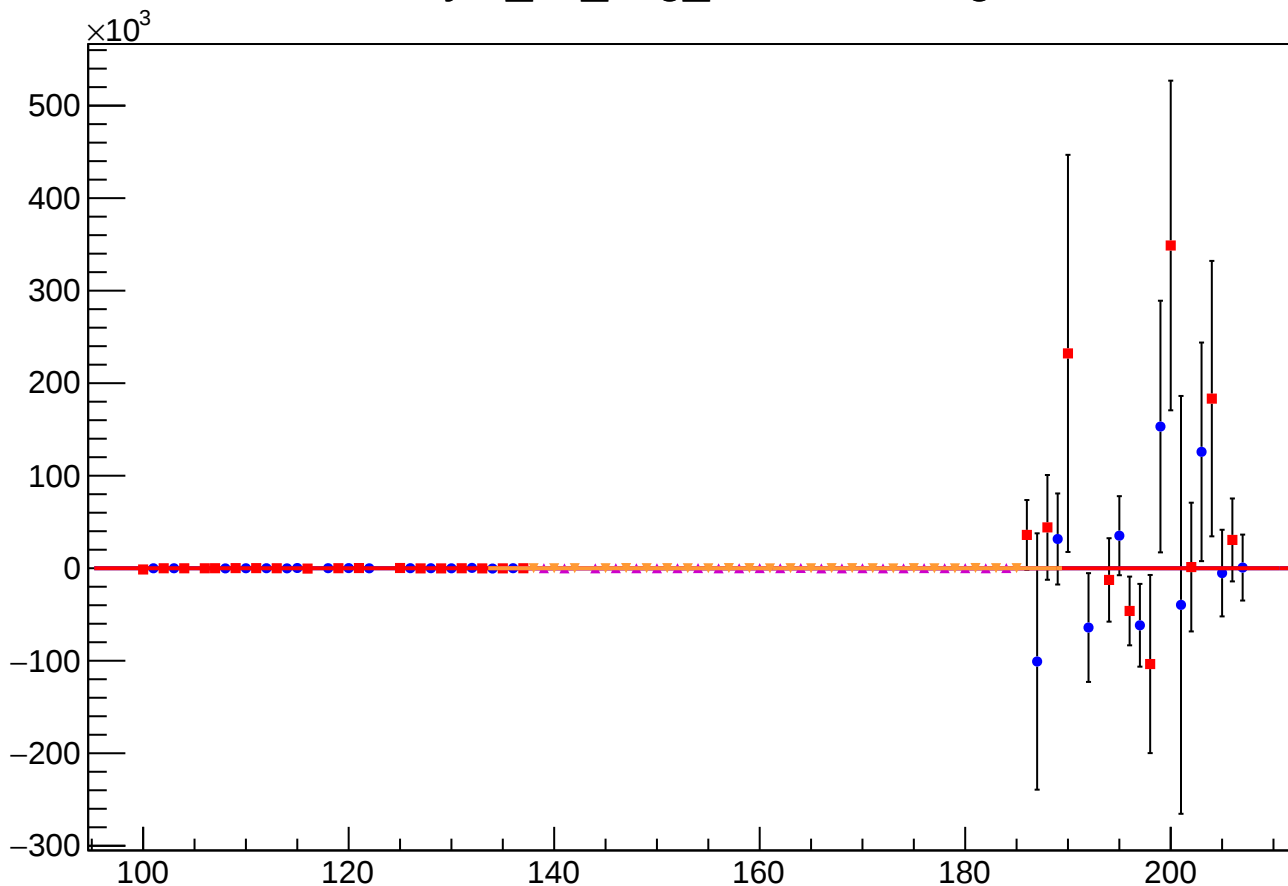
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 6625666.9/49

All: 1.350+/-0.000 χ^2/NDF : 13772152.1/101

- sign 1.385+/-0.000 χ^2/NDF : 7095875.5/51

asym_ds_avg_mean vs Slug



Right In: -14.494 ± 30.040 χ^2/NDF : 23.4/25

Left Out: 3.497 ± 21.474 χ^2/NDF : 22.1/23

Right Out: -32.007 ± 30.500 χ^2/NDF : 28.1/27

Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

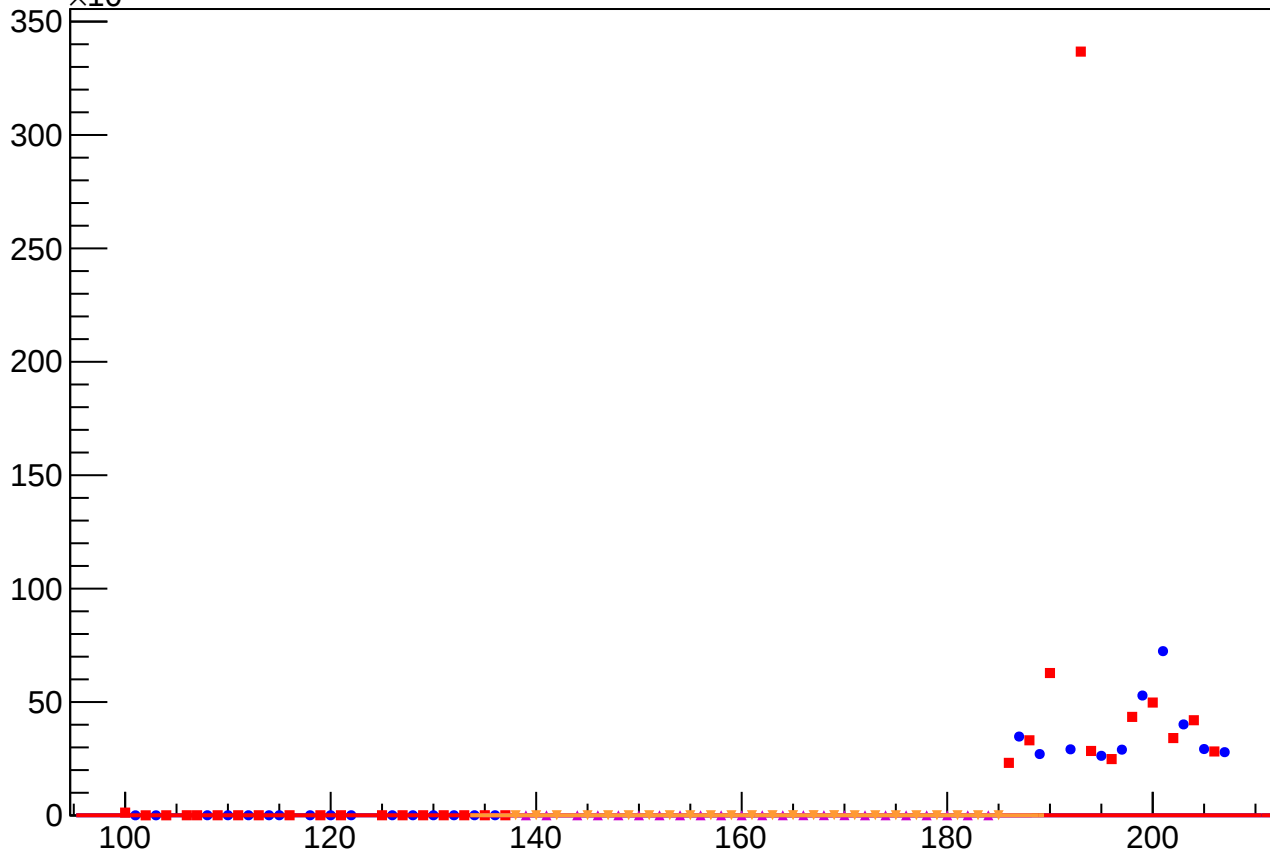
+ sign -2.588 ± 17.470 χ^2/NDF : 45.7/49

All: 0.810 ± 12.407 χ^2/NDF : 98.3/100

- sign 4.267 ± 17.623 χ^2/NDF : 52.5/50

asym_ds_avg_rms vs Slug

$\times 10^3$



Right In: 76.158 $\pm$ 0.021 χ^2 /NDF: 6093177.3/25

Left Out: 89.719 $\pm$ 0.015 χ^2 /NDF: 467023.5/23

Right Out: 79.458 $\pm$ 0.022 χ^2 /NDF: 5801656.3/28

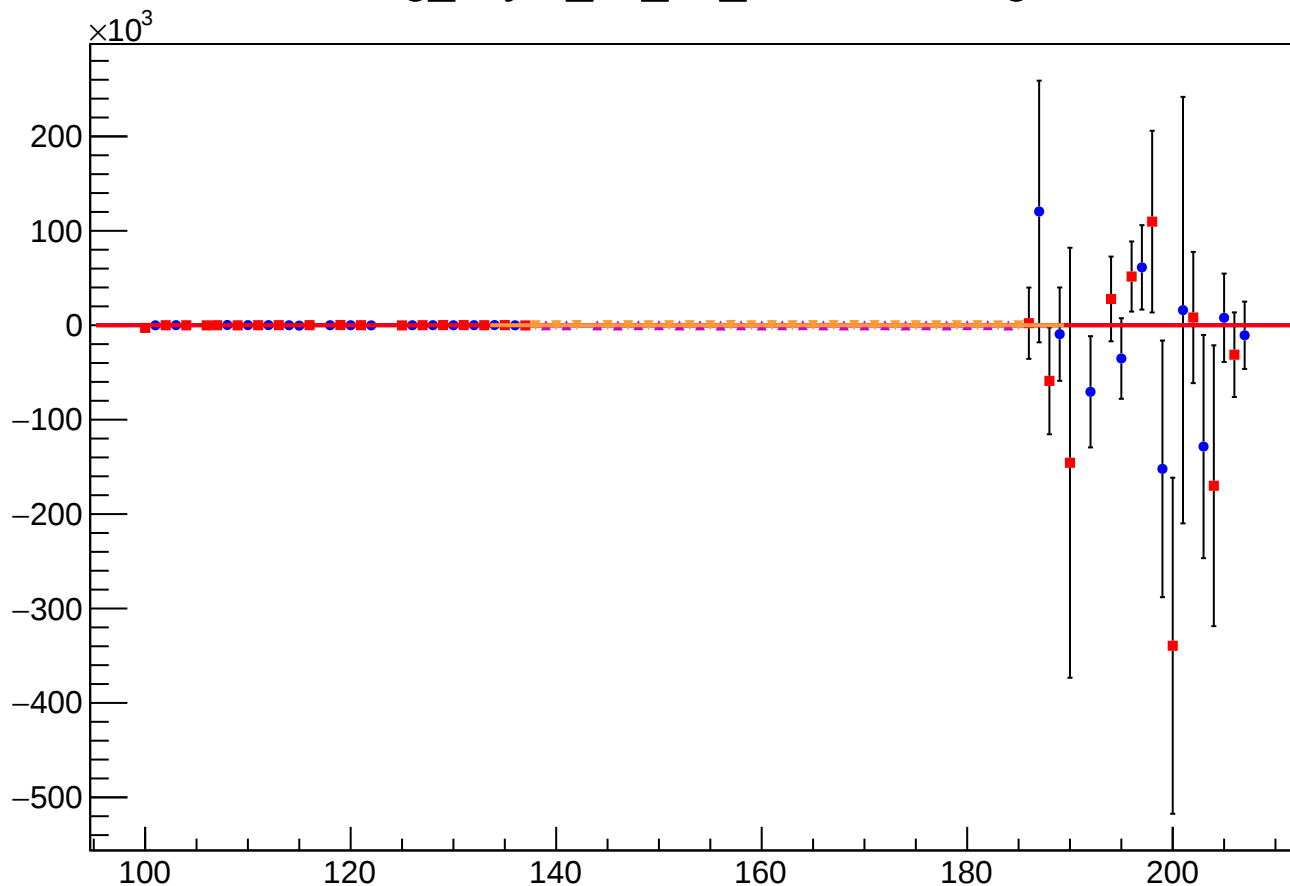
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.133 $\pm$ 0.012 χ^2 /NDF: 6829932.2/49

All: 85.676 $\pm$ 0.009 χ^2 /NDF: 13292835.6/101

- sign 86.229 $\pm$ 0.012 χ^2 /NDF: 6458999.1/51

reg_asym_ds_dd_mean vs Slug



Right In: 8.088 ± 30.012 χ^2/NDF : 21.4/25

Left Out: 15.274 ± 21.472 χ^2/NDF : 17.2/23

Right Out: 25.785 ± 30.473 χ^2/NDF : 23.3/27

Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

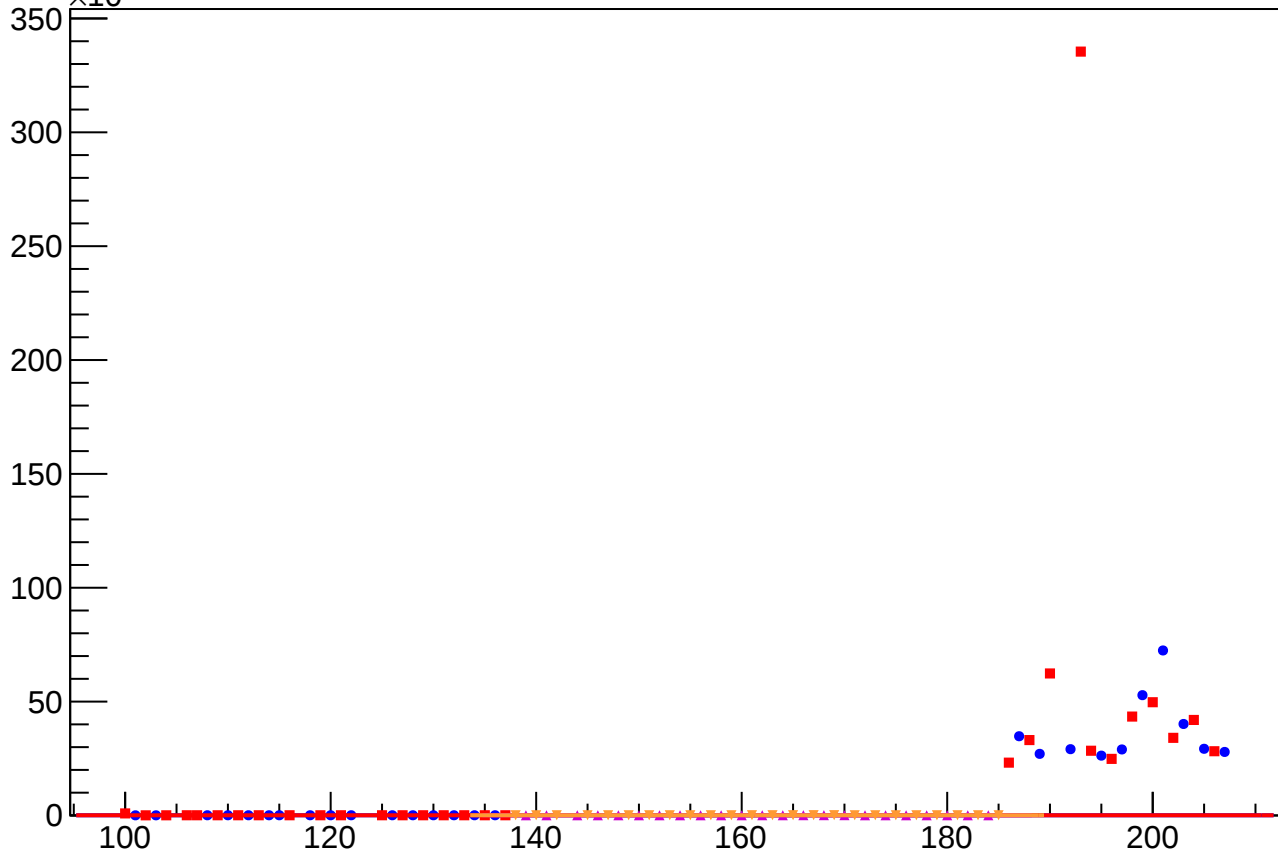
+ sign 12.841 ± 17.463 χ^2/NDF : 38.6/49

All: -3.577 ± 12.403 χ^2/NDF : 98.6/100

- sign -20.289 ± 17.618 χ^2/NDF : 58.2/50

reg_asym_ds_dd_rms vs Slug

$\times 10^3$



Right In: 76.089 $\pm$ 0.021 χ^2 /NDF: 6092323.9/25

Left Out: 89.712 $\pm$ 0.015 χ^2 /NDF: 465096.2/23

Right Out: 79.406 $\pm$ 0.022 χ^2 /NDF: 5794312.7/28

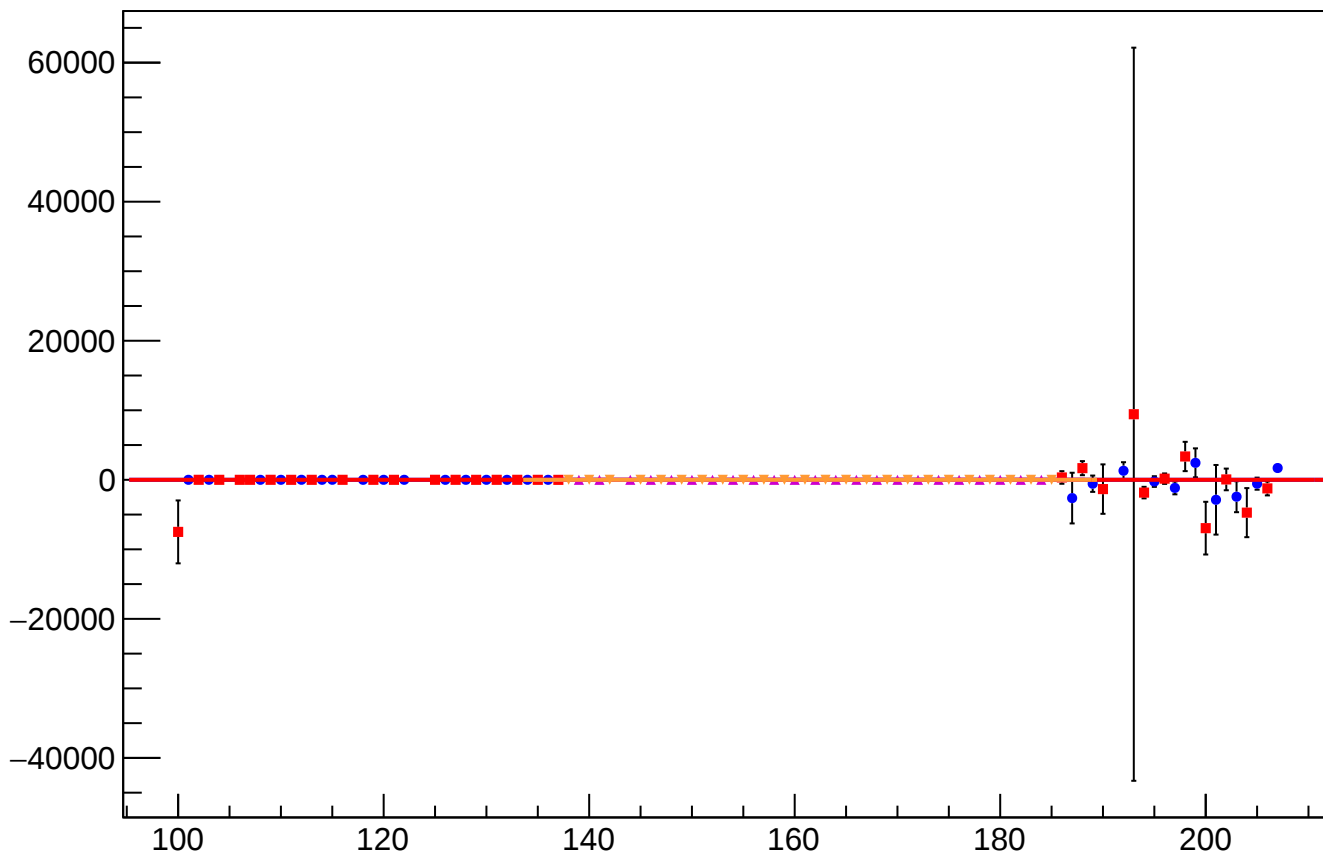
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.100 $\pm$ 0.012 χ^2 /NDF: 6829983.1/49

All: 85.650 $\pm$ 0.009 χ^2 /NDF: 13289150.4/101

- sign 86.211 $\pm$ 0.012 χ^2 /NDF: 6455154.2/51

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 25.4/25

Left Out: -0.516 ± 0.391 χ^2/NDF : 20.7/23

Right Out: -0.348 ± 0.549 χ^2/NDF : 30.7/28

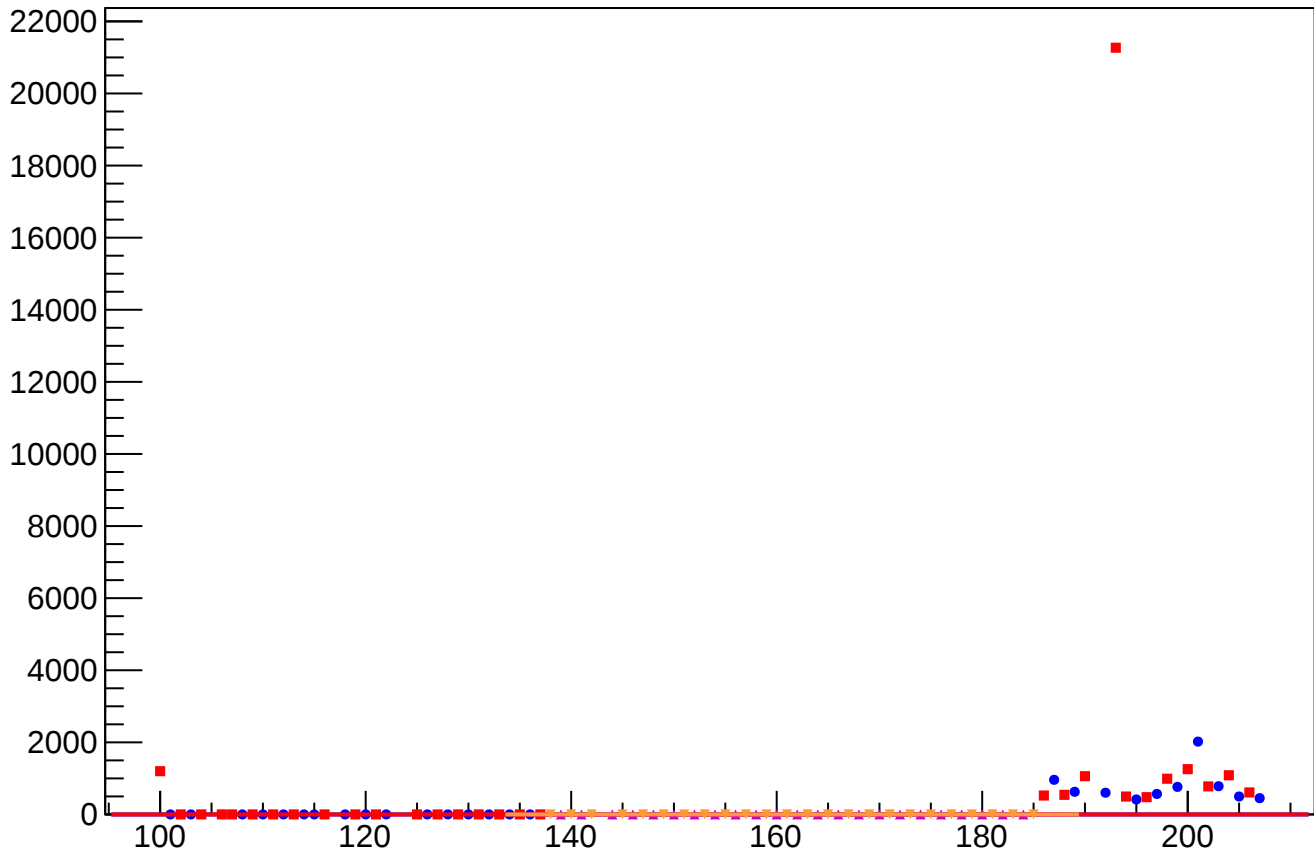
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 50.7/49

All: -0.045 ± 0.224 χ^2/NDF : 102.1/101

- sign -0.069 ± 0.318 χ^2/NDF : 51.4/51

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 5592373.5/25

Left Out: 1.470+/-0.000 χ^2/NDF : 1154842.2/23

Right Out: 1.317+/-0.000 χ^2/NDF : 5888852.6/28

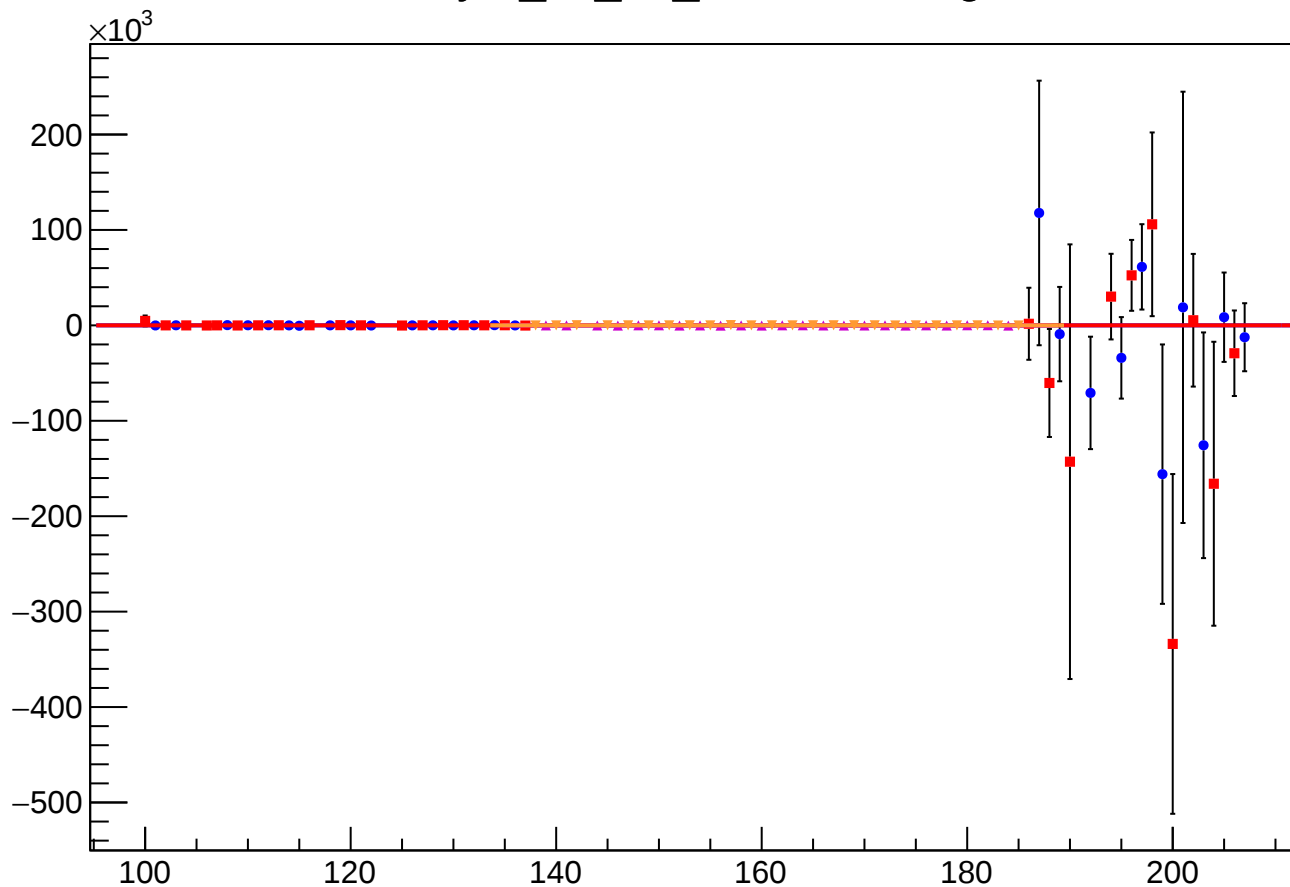
Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 7003105.4/49

All: 1.400+/-0.000 χ^2/NDF : 14038899.6/101

- sign 1.412+/-0.000 χ^2/NDF : 7029489.6/51

asym_ds_dd_mean vs Slug



Right In: 7.380 ± 30.020 χ^2/NDF : 21.2/25

Left Out: 15.770 ± 21.479 χ^2/NDF : 17.1/23

Right Out: 26.395 ± 30.482 χ^2/NDF : 23.4/27

Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

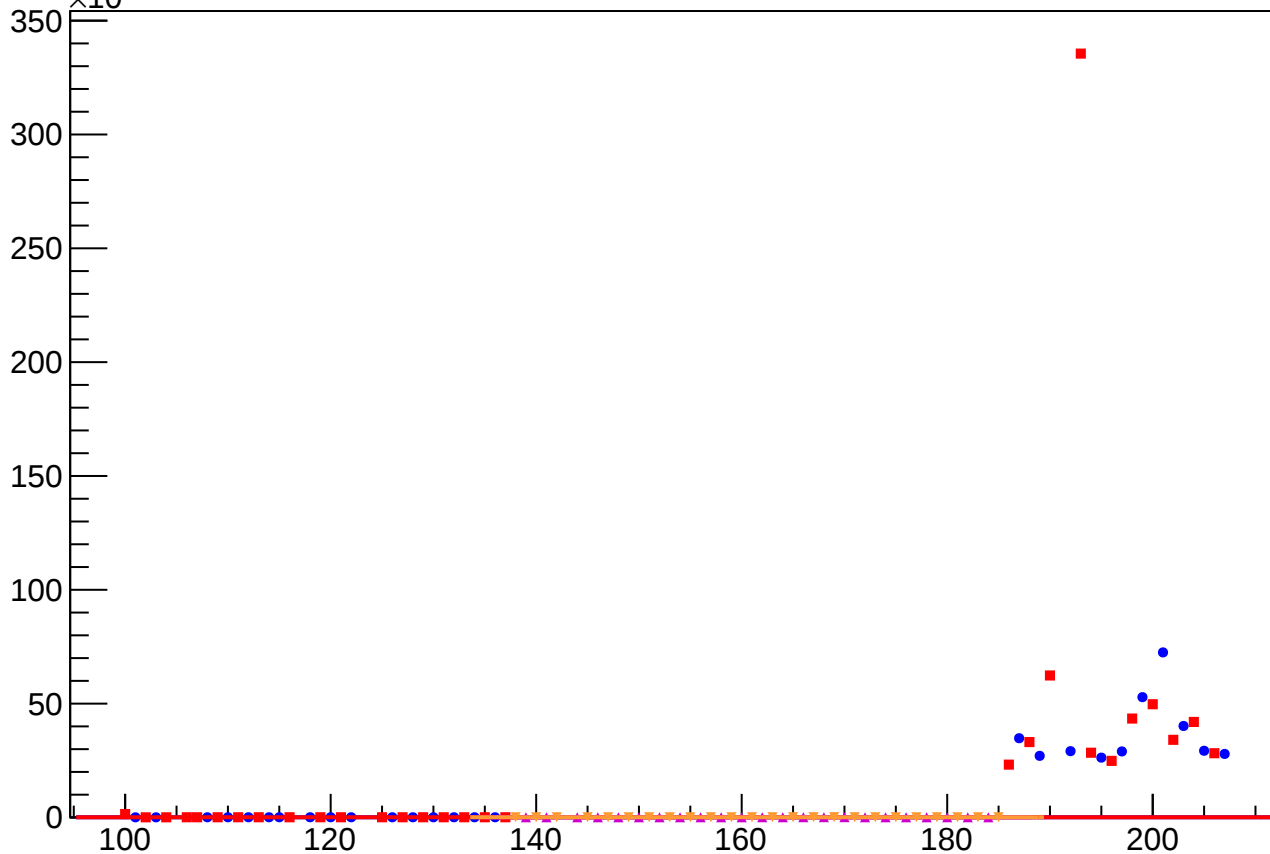
+ sign 12.929 ± 17.468 χ^2/NDF : 38.3/49

All: -3.590 ± 12.407 χ^2/NDF : 98.2/100

- sign -20.405 ± 17.624 χ^2/NDF : 58.0/50

asym_ds_dd_rms vs Slug

$\times 10^3$



Right In: 76.110 $\pm$ 0.021 χ^2 /NDF: 6092469.9/25

Left Out: 89.740 $\pm$ 0.015 χ^2 /NDF: 465842.6/23

Right Out: 79.403 $\pm$ 0.022 χ^2 /NDF: 5803654.2/28

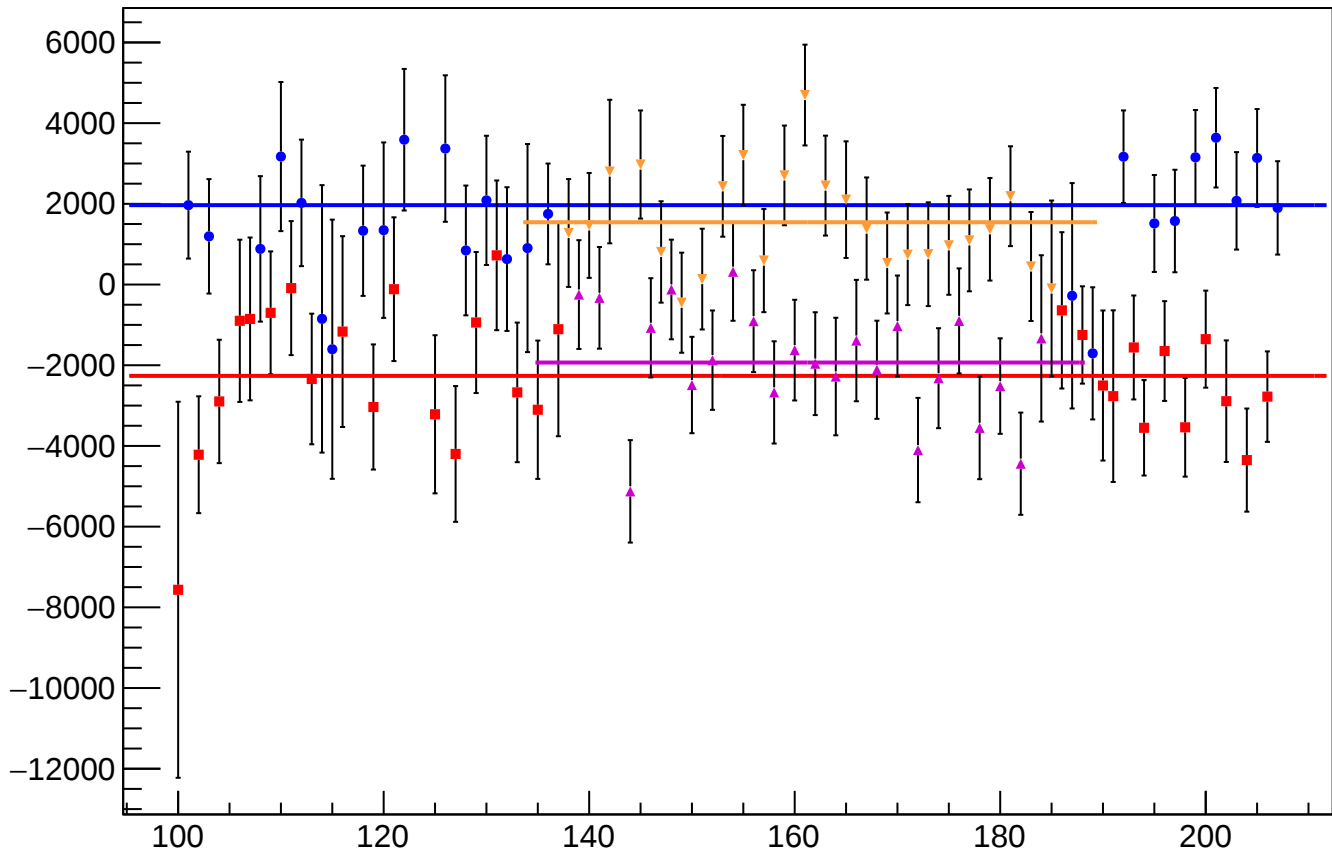
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.125 $\pm$ 0.012 χ^2 /NDF: 6831001.7/49

All: 85.671 $\pm$ 0.009 χ^2 /NDF: 13301049.3/101

- sign 86.228 $\pm$ 0.012 χ^2 /NDF: 6466096.3/51

reg_asym_usl_mean vs Slug



Right In: 1967.479 $\pm$ 295.677 χ^2 /NDF: 16.8/25

Left Out: 1544.102 $\pm$ 266.270 χ^2 /NDF:20.0/23

Right Out: -2263.177 $\pm$ 286.038 χ^2 /NDF: 22.1/29

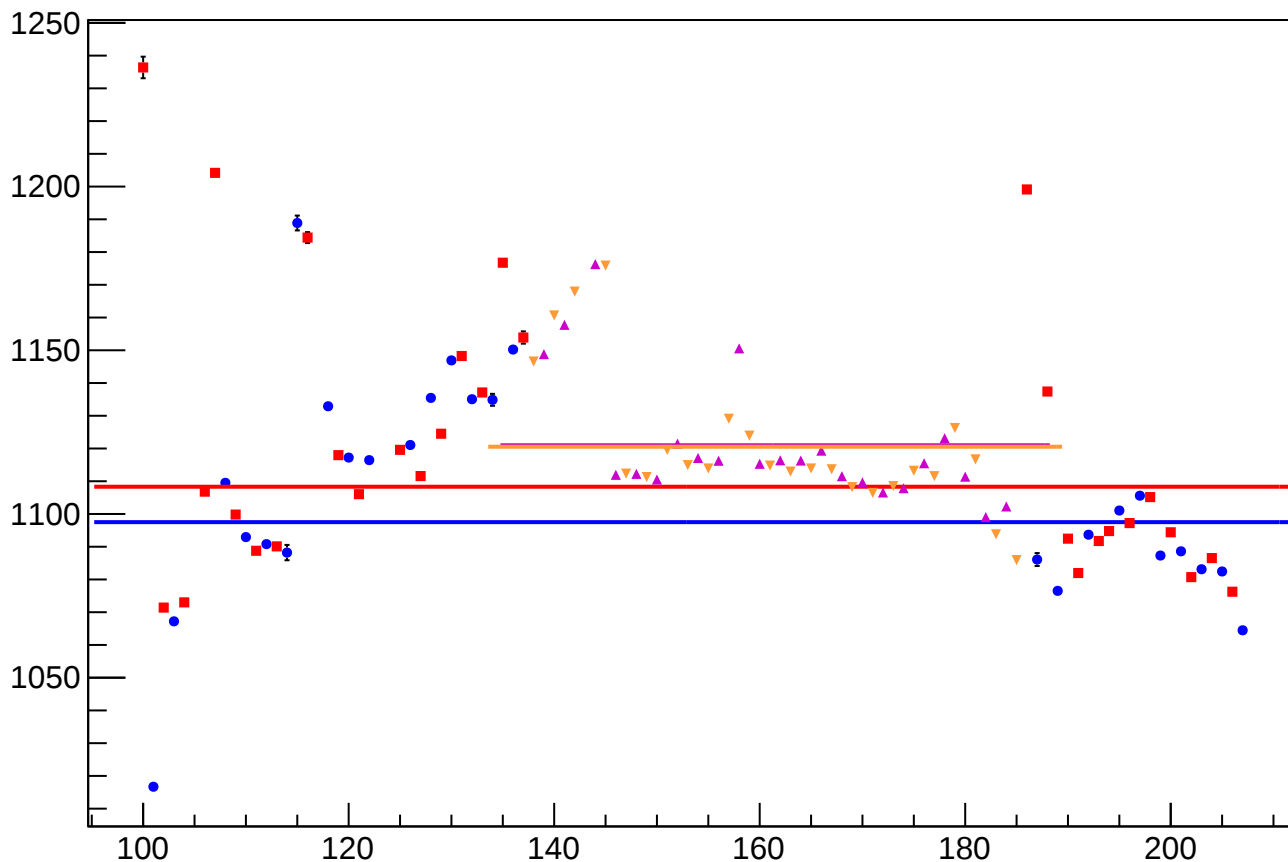
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF:27.0/22

+ sign 1733.695 $\pm$ 197.864 χ^2 /NDF: 37.9/49

All: -199.071 $\pm$ 139.094 χ^2 /NDF: 276.3/102

- sign -2087.354 $\pm$ 195.573 χ^2 /NDF: 49.8/52

reg_asym_usl_rms vs Slug



Right In: 1097.510 $\pm$ 0.209 χ^2 /NDF: 22670.4/25

Left Out: 1120.543 $\pm$ 0.188 χ^2 /NDF: 10252.7/23

Right Out: 1108.326 $\pm$ 0.202 χ^2 /NDF: 26574.8/29

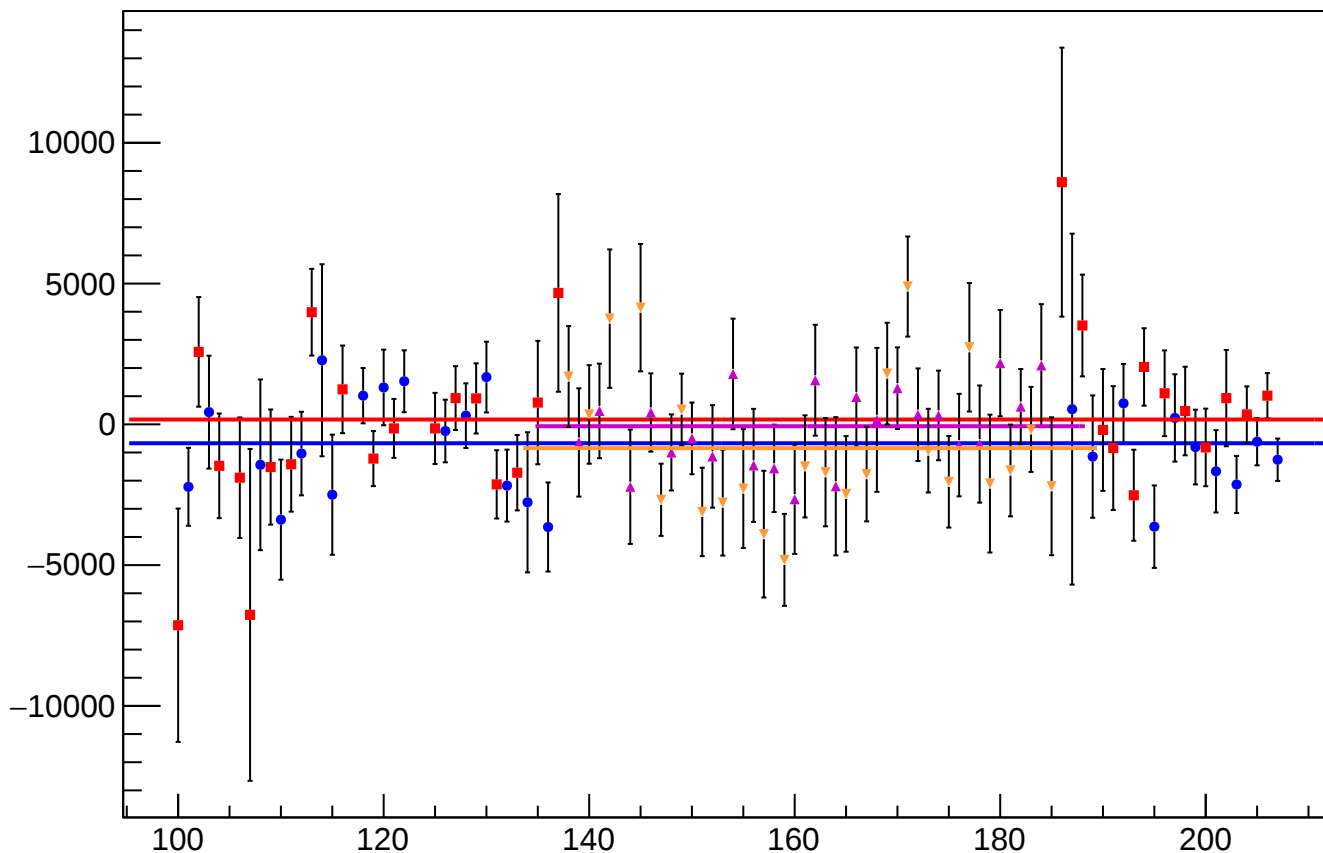
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1110.228 $\pm$ 0.140 χ^2 /NDF: 39624.8/49

All: 1112.677 $\pm$ 0.098 χ^2 /NDF: 78535.1/102

- sign 1115.070 $\pm$ 0.138 χ^2 /NDF: 38304.5/52

asym_usl_correction_mean vs Slug



Right In: -671.173 ± 262.799 χ^2/NDF : 32.7/25

Left Out: -845.009 ± 361.141 χ^2/NDF : 43.2/23

Right Out: 171.657 ± 269.428 χ^2/NDF : 39.9/29

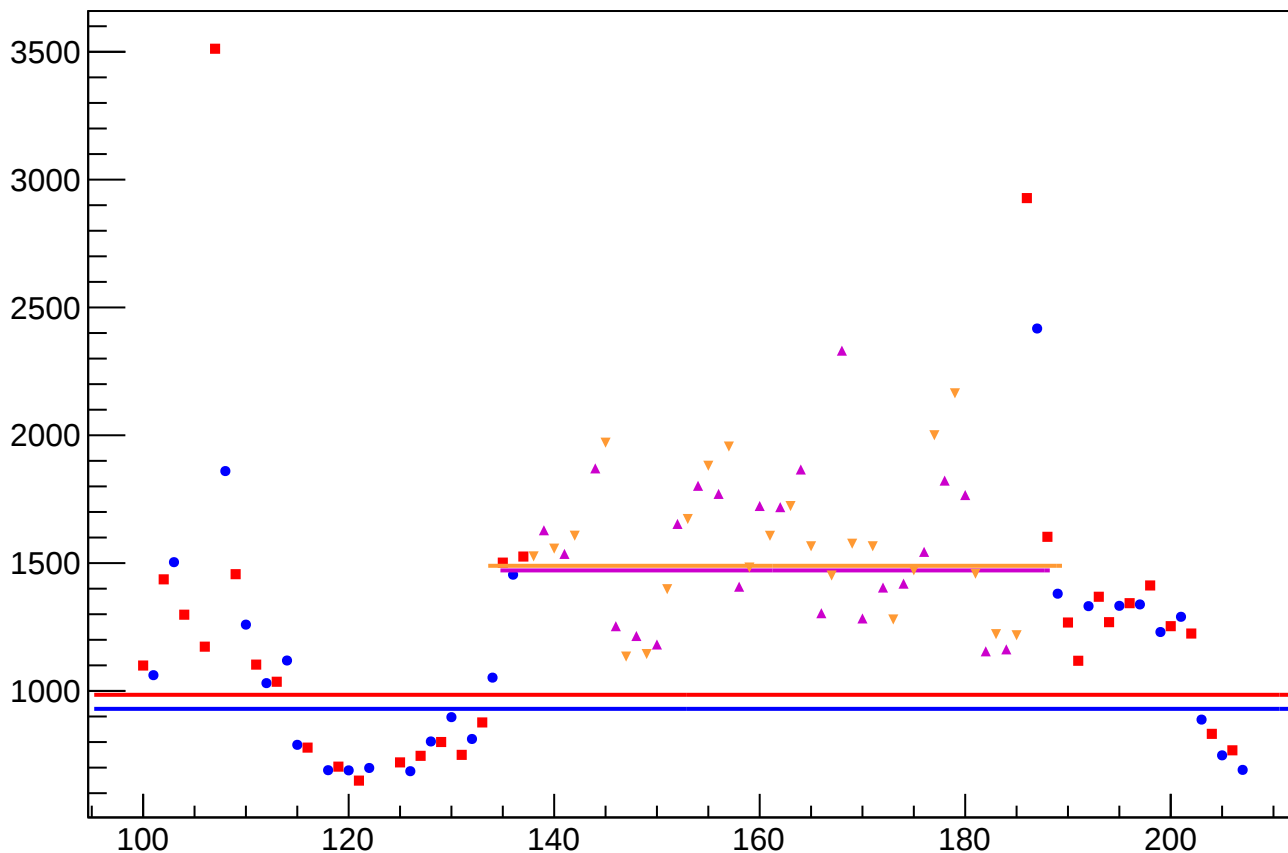
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -731.356 ± 212.493 χ^2/NDF : 76.0/49

All: -328.288 ± 151.288 χ^2/NDF : 135.6/102

- sign 86.057 ± 215.445 χ^2/NDF : 52.3/52

asym_usl_correction_rms vs Slug



Right In: 929.861+/-0.186 χ^2/NDF : 2256288.8/25

Left Out: 1489.507+/-0.255 χ^2/NDF :1009228.3/23

Right Out: 984.831+/-0.191 χ^2/NDF : 2914061.5/29

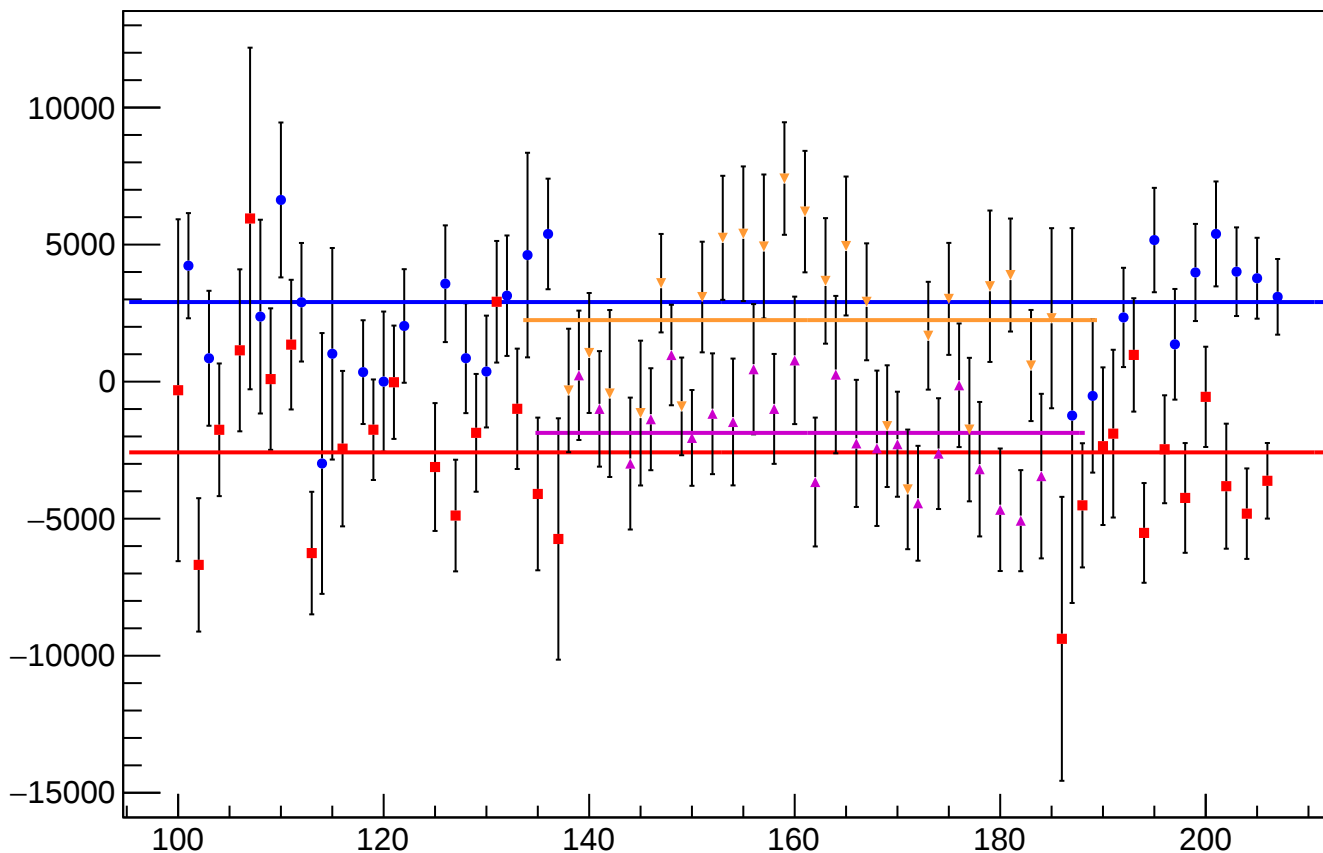
Left In: 1471.394+/-0.254 χ^2/NDF :1105310.5/22

+ sign 1123.614+/-0.150 χ^2/NDF : 6405616.8/49

All: 1141.692+/-0.107 χ^2/NDF : 12806275.4/100

- sign 1160.276+/-0.152 χ^2/NDF : 6371302.8/52

asym_usl_mean vs Slug



Right In: 2903.668 $\pm$ 415.281 χ^2 /NDF: 19.3/25

Left Out: 2244.415 $\pm$ 456.474 χ^2 /NDF:38.6/23

Right Out: -2580.819 $\pm$ 414.905 χ^2 /NDF: 36.4/29

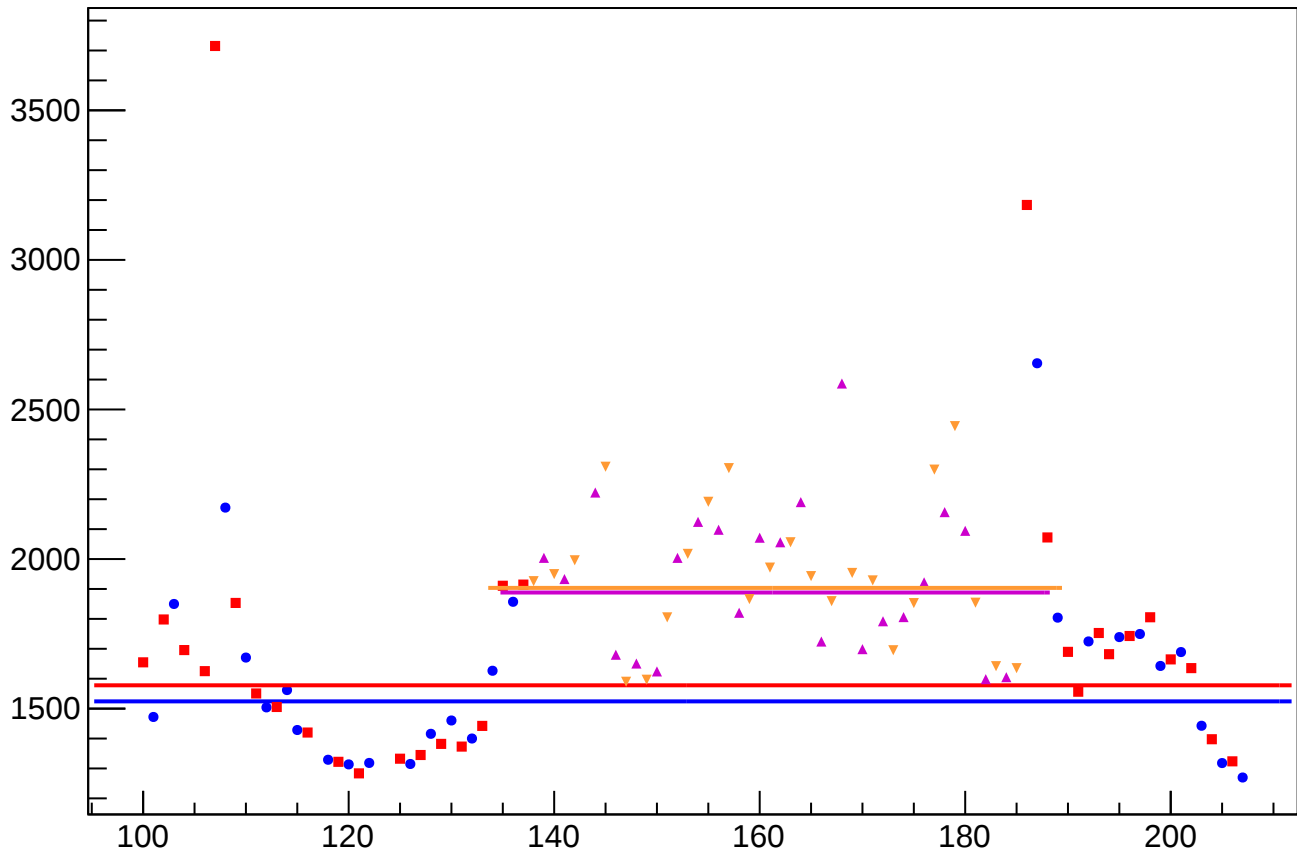
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2605.124 $\pm$ 307.181 χ^2 /NDF: 59.0/49

All: 169.736 $\pm$ 217.047 χ^2 /NDF: 237.1/102

- sign -2258.368 $\pm$ 306.721 χ^2 /NDF: 52.6/52

asym_usl_rms vs Slug



Right In: 1524.235+/-0.294 χ^2/NDF : 539912.0/25

Left Out: 1903.581+/-0.323 χ^2/NDF : 461788.9/23

Right Out: 1577.951+/-0.293 χ^2/NDF : 946340.8/29

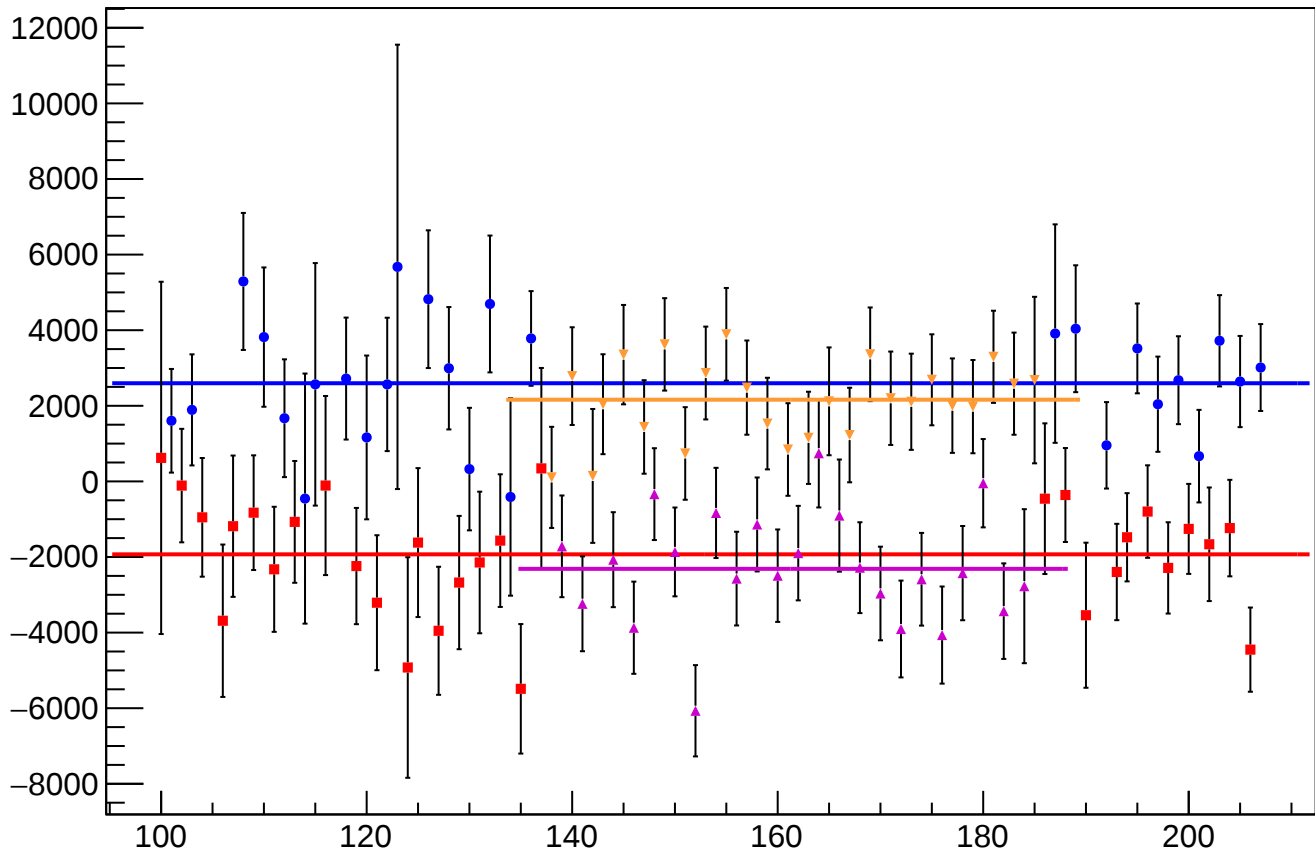
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1696.022+/-0.217 χ^2/NDF : 1757442.4/49

All: 1707.335+/-0.153 χ^2/NDF : 3720655.1/10

- sign 1718.613+/-0.217 χ^2/NDF : 1957795.9/52

reg_asym_usr_mean vs Slug



Right In: 2596.831 $\pm$ 296.030 χ^2 /NDF: 19.7/26

Left Out: 2161.427 $\pm$ 257.518 χ^2 /NDF:15.1/24

Right Out: -1929.635 $\pm$ 287.389 χ^2 /NDF: 22.7/29

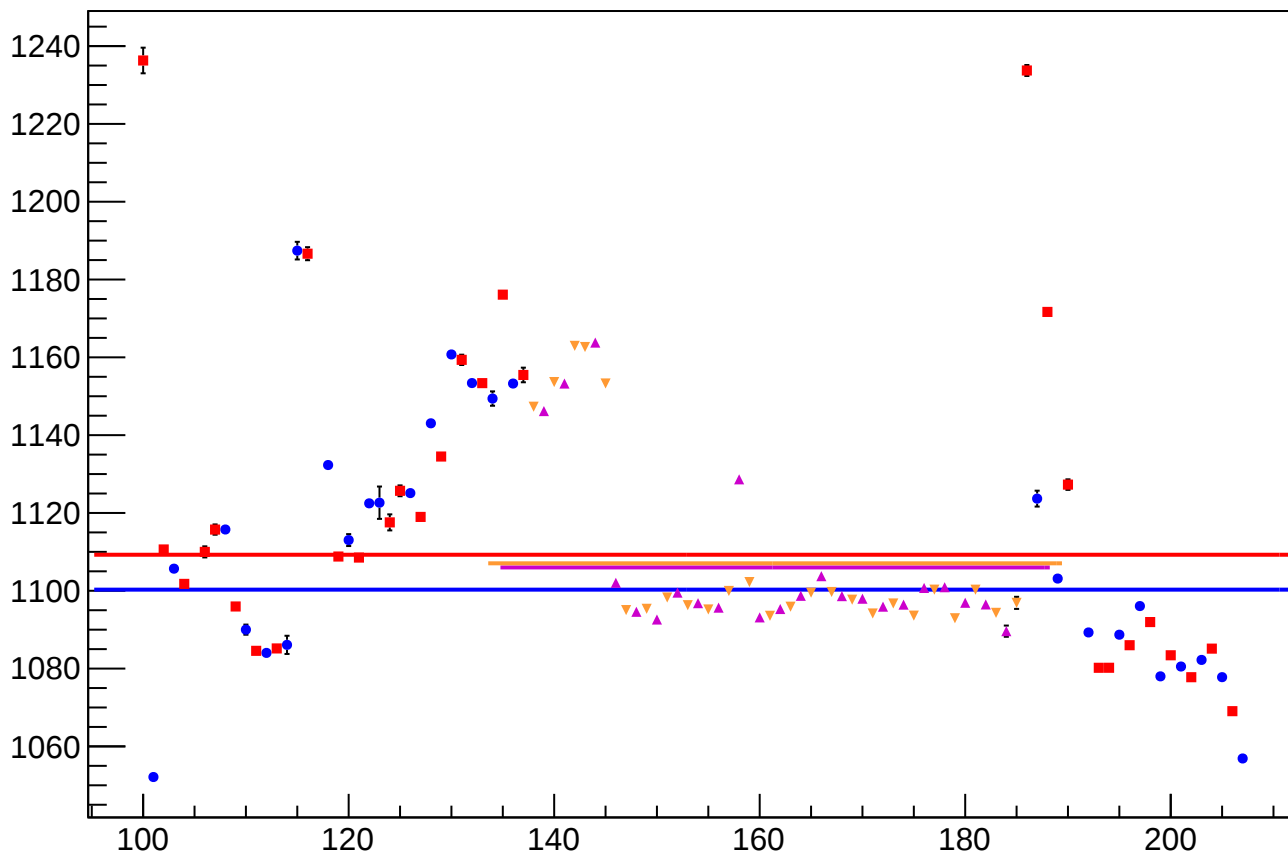
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2348.983 $\pm$ 194.292 χ^2 /NDF: 36.0/51

All: 109.189 $\pm$ 137.491 χ^2 /NDF: 357.2/104

- sign -2137.515 $\pm$ 194.591 χ^2 /NDF: 54.9/52

reg_asym_usr_rms vs Slug



Right In: 1100.289 $\pm$ 0.209 χ^2 /NDF: 21979.0/26

Left Out: 1107.057 $\pm$ 0.182 χ^2 /NDF:15175.6/24

Right Out: 1109.260 $\pm$ 0.203 χ^2 /NDF: 33287.6/29

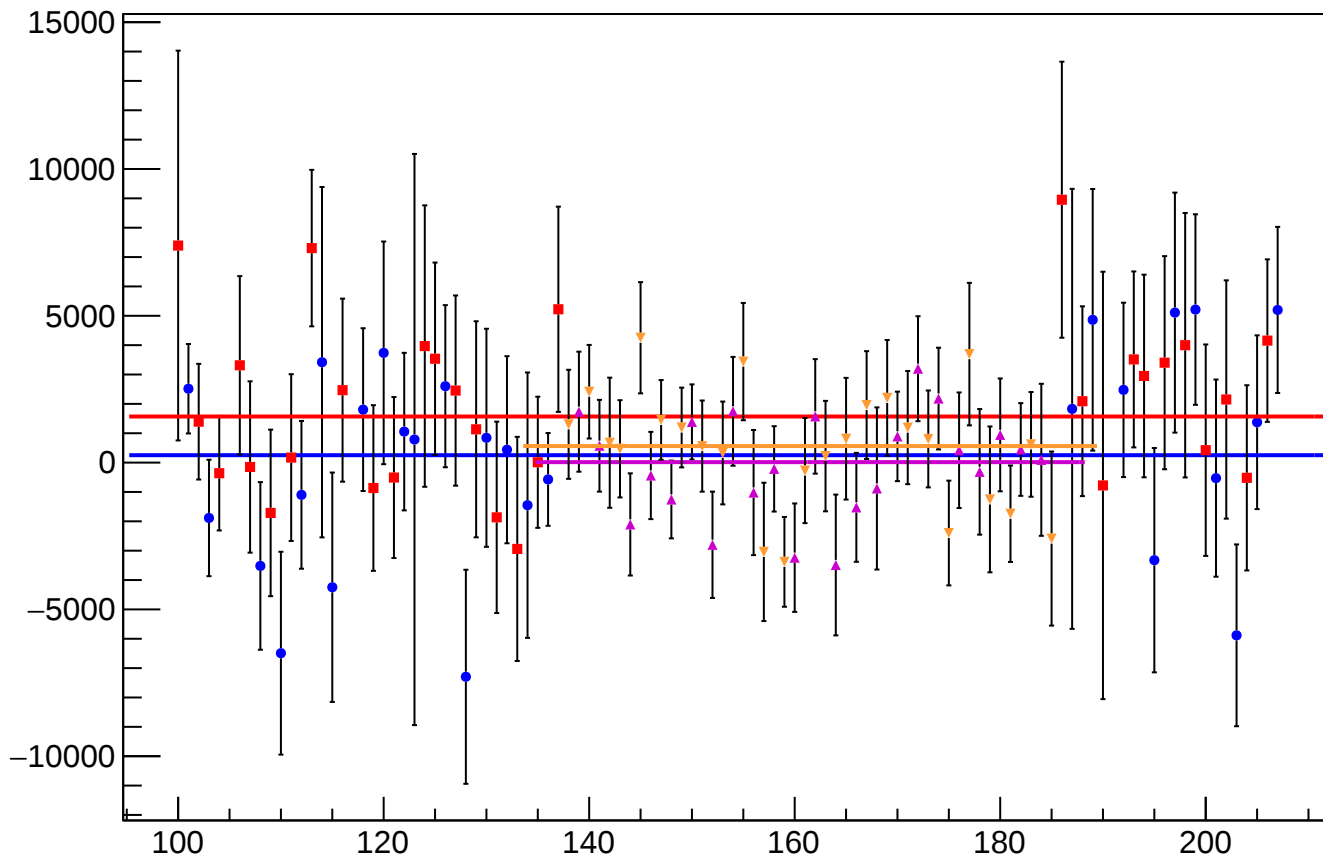
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1104.142 $\pm$ 0.137 χ^2 /NDF: 37749.6/51

All: 1105.815 $\pm$ 0.097 χ^2 /NDF: 83025.2/104

- sign 1107.493 $\pm$ 0.138 χ^2 /NDF: 44978.6/52

asym_usr_correction_mean vs Slug



Right In: 252.422 $\pm$ 562.863 χ^2 /NDF: 31.0/26

Left Out: 563.282 $\pm$ 360.901 χ^2 /NDF:26.8/24

Right Out: 1570.004 $\pm$ 566.103 χ^2 /NDF: 20.0/29

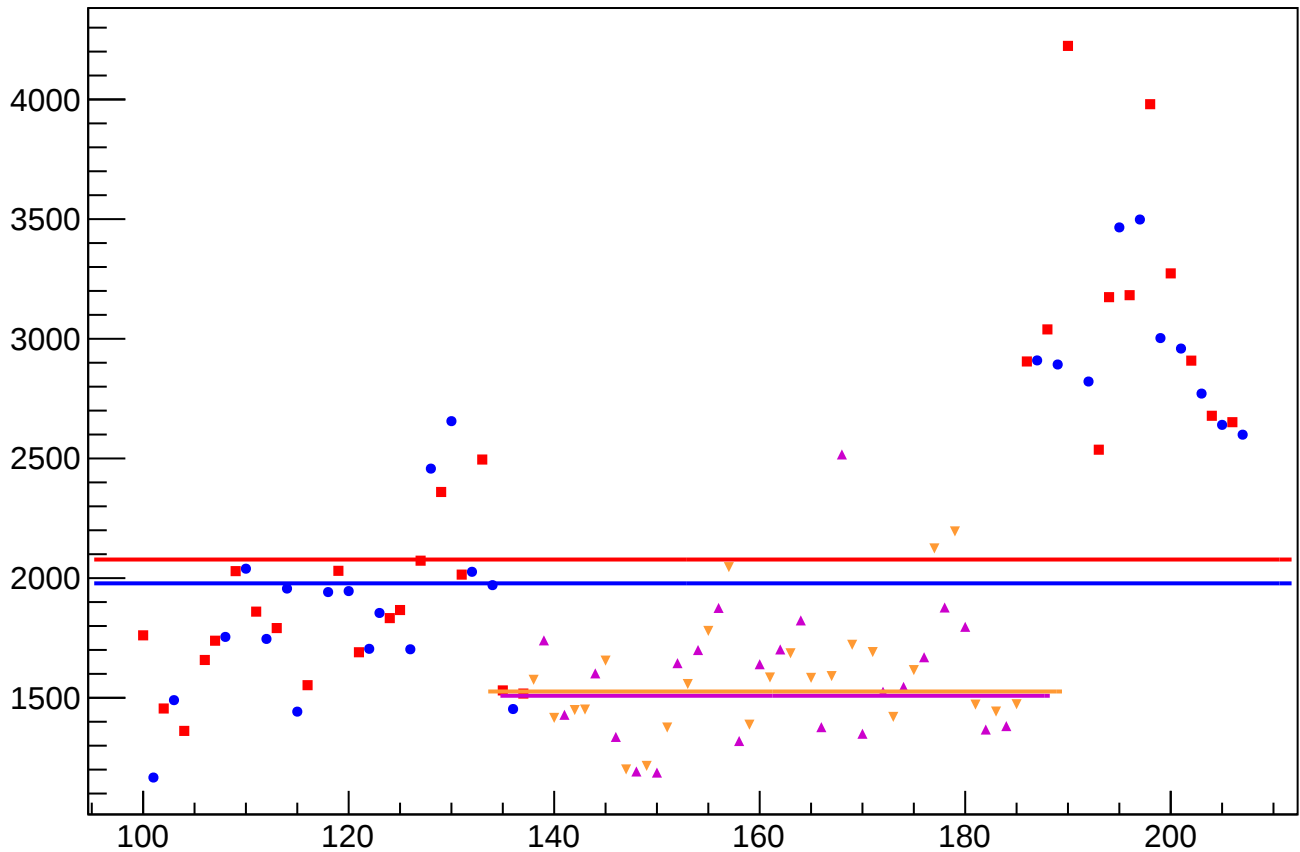
Left In: 15.520 $\pm$ 366.854 χ^2 /NDF:20.1/22

+ sign 472.715 $\pm$ 303.813 χ^2 /NDF: 58.0/51

All: 473.969 $\pm$ 216.246 χ^2 /NDF: 103.4/104

- sign 475.258 $\pm$ 307.863 χ^2 /NDF: 45.5/52

asym_usr_correction_rms vs Slug



Right In: 1978.214 ± 0.398 χ^2/NDF : 2674057.0/26

Left Out: 1526.391 ± 0.255 χ^2/NDF : 753714.4/24

Right Out: 2077.759 ± 0.400 χ^2/NDF : 2559556.8/29

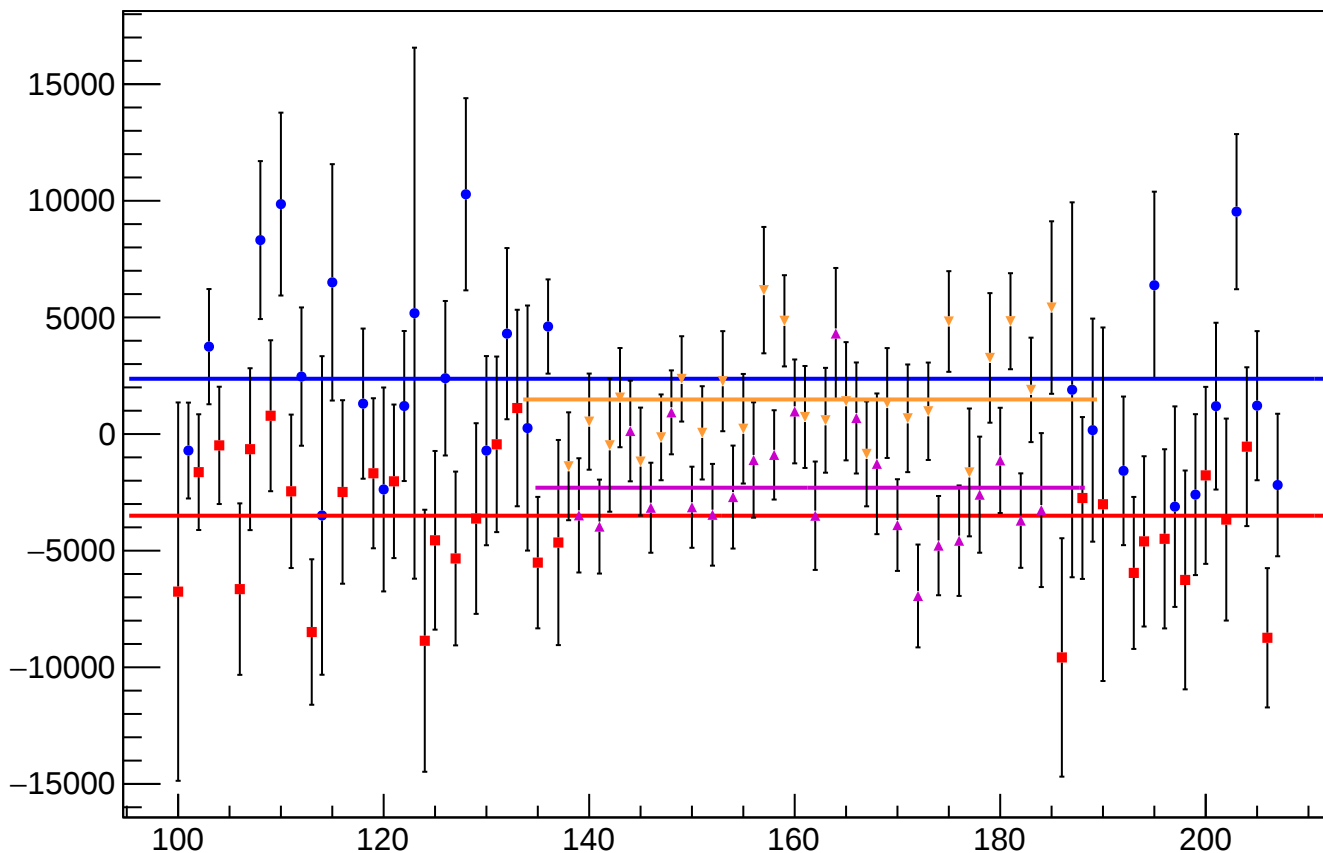
Left In: 1508.581 ± 0.259 χ^2/NDF : 931684.8/22

+ sign 1658.027 ± 0.215 χ^2/NDF : 4341035.2/51

All: 1667.346 ± 0.153 χ^2/NDF : 9259933.7/10

- sign 1676.915 ± 0.218 χ^2/NDF : 4915084.7/52

asym_usr_mean vs Slug



Right In: 2370.099 $\pm$ 662.461 χ^2 /NDF: 31.7/26

Left Out: 1482.365 $\pm$ 449.983 χ^2 /NDF: 20.9/24

Right Out: -3500.581 $\pm$ 657.078 χ^2 /NDF: 18.8/29

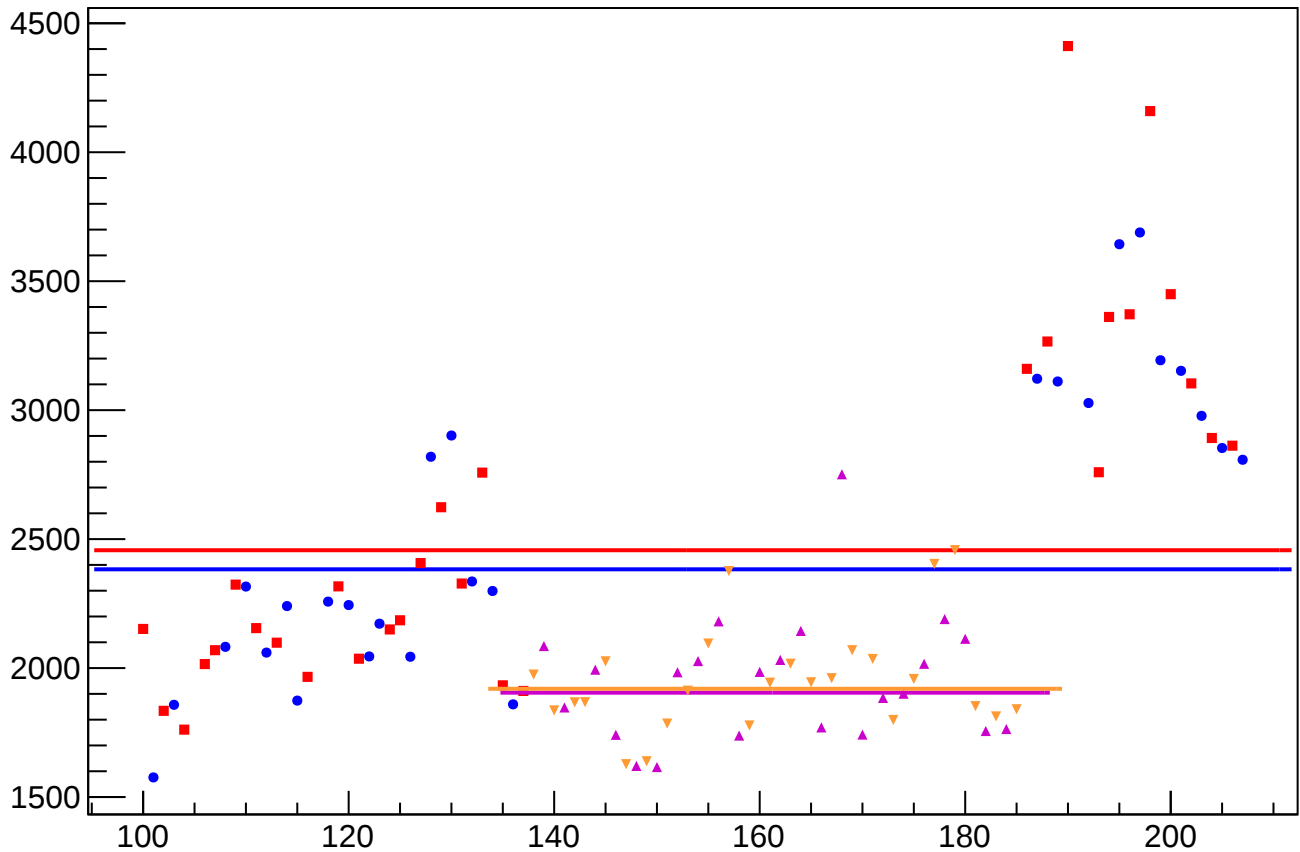
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ sign 1762.642 $\pm$ 372.231 χ^2 /NDF: 53.8/51

All: -441.716 $\pm$ 264.636 χ^2 /NDF: 170.6/104

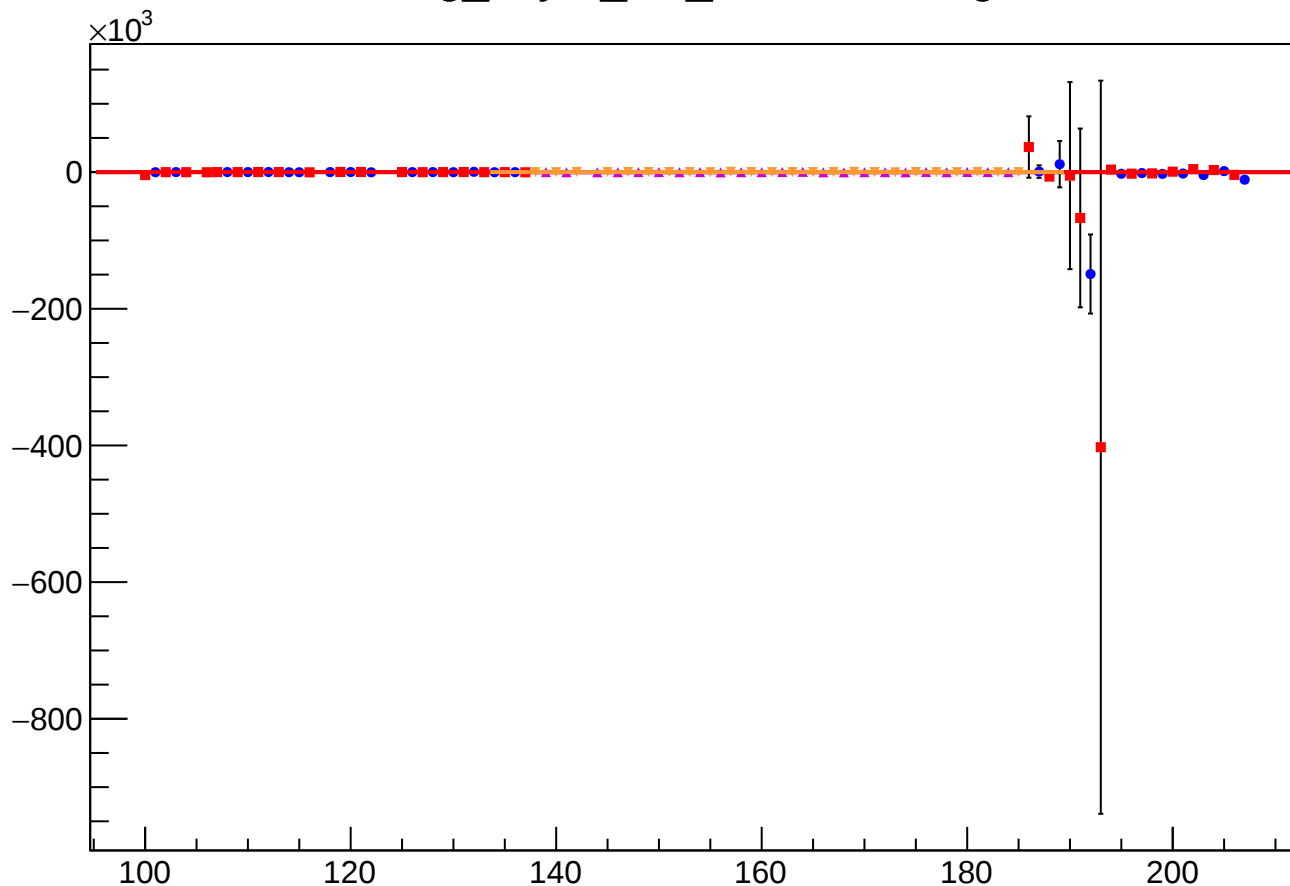
- sign -2694.606 $\pm$ 376.306 χ^2 /NDF: 45.9/52

asym_usr_rms vs Slug



Right In: 2382.919+/-0.468	χ^2/NDF : 1575401.8/26	+ sign 2065.970+/-0.263	χ^2/NDF : 2610666.0/51
Left Out: 1919.732+/-0.318	χ^2/NDF : 366218.1/24	All: 2075.756+/-0.187	χ^2/NDF : 5640100.0/10
Right Out: 2456.882+/-0.465	χ^2/NDF : 1629876.6/29	- sign 2085.757+/-0.266	χ^2/NDF : 3026639.0/52
Left In: 1904.629+/-0.325	χ^2/NDF : 447350.7/22		

reg_asym_dsl_mean vs Slug



Right In: -2.355 ± 36.762 χ^2/NDF : 31.5/25

Left Out: 12.260 ± 26.260 χ^2/NDF : 35.9/23

Right Out: -1.830 ± 36.747 χ^2/NDF : 19.5/29

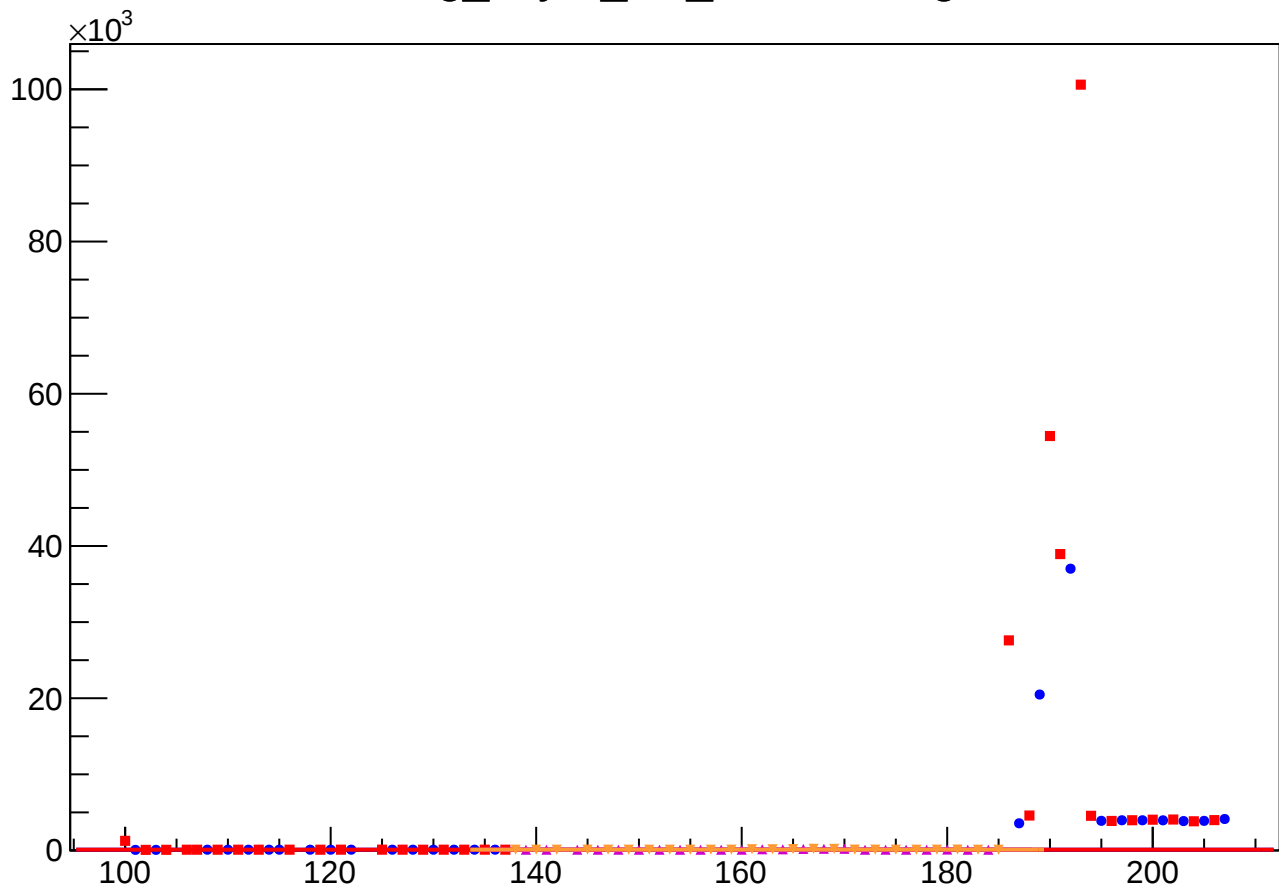
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.322 ± 21.368 χ^2/NDF : 67.4/49

All: -4.812 ± 15.124 χ^2/NDF : 124.2/102

- sign -16.993 ± 21.410 χ^2/NDF : 56.1/52

reg_asym_dsl_rms vs Slug



Right In: 96.035 $\pm$ 0.026 χ^2 /NDF: 12792232.7/25

Left Out: 108.059 $\pm$ 0.019 χ^2 /NDF: 1434979.3/23

Right Out: 98.228 $\pm$ 0.026 χ^2 /NDF: 12431916.1/29

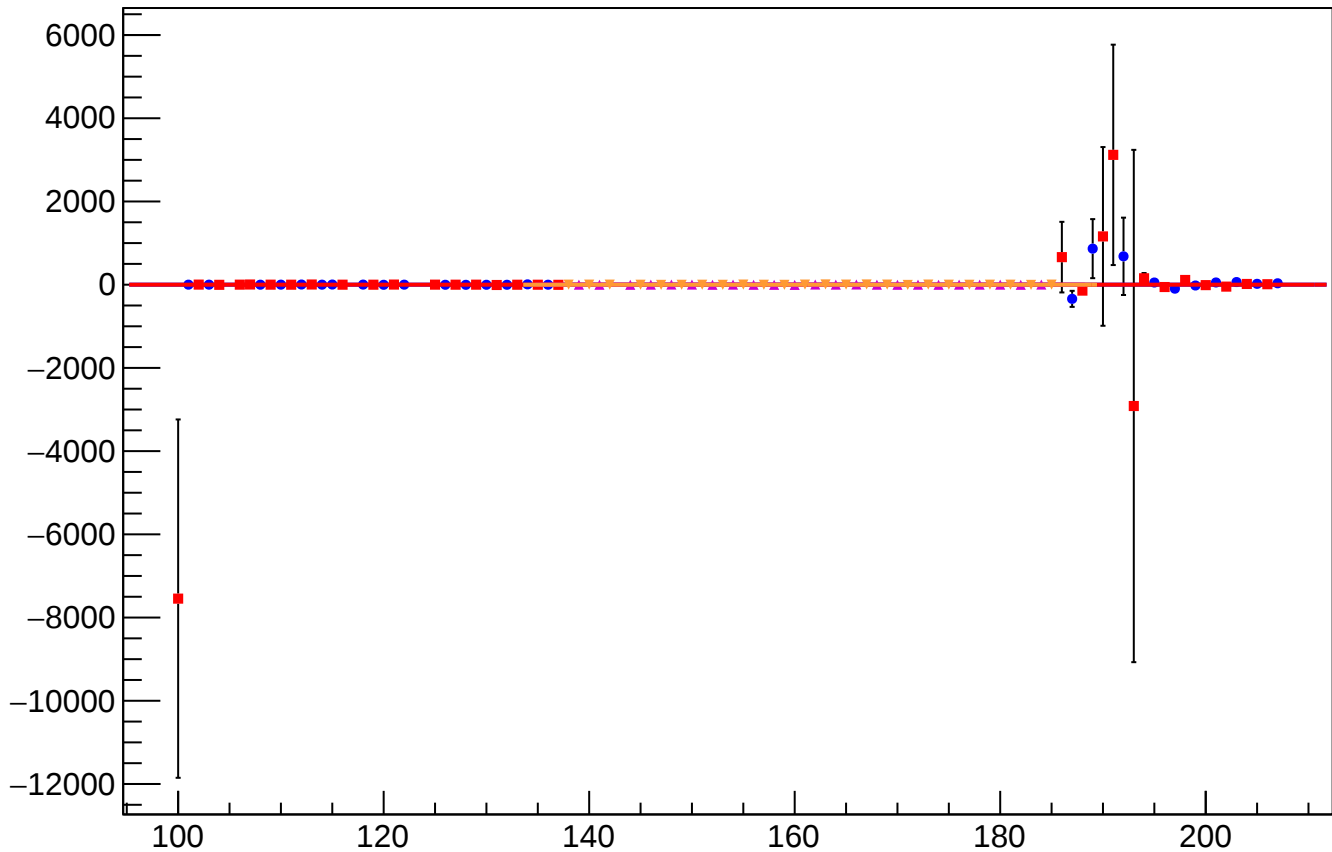
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 103.997 $\pm$ 0.015 χ^2 /NDF: 14368896.7/49

All: 104.231 $\pm$ 0.011 χ^2 /NDF: 28379599.9/10

- sign 104.466 $\pm$ 0.015 χ^2 /NDF: 14010221.6/52

asym_dsl_correction_mean vs Slug



Right In: 0.397 $\pm$ 0.617 χ^2 /NDF: 19.4/25

Left Out: -0.534 $\pm$ 0.475 χ^2 /NDF: 30.5/23

Right Out: 0.347 $\pm$ 0.644 χ^2 /NDF: 29.7/29

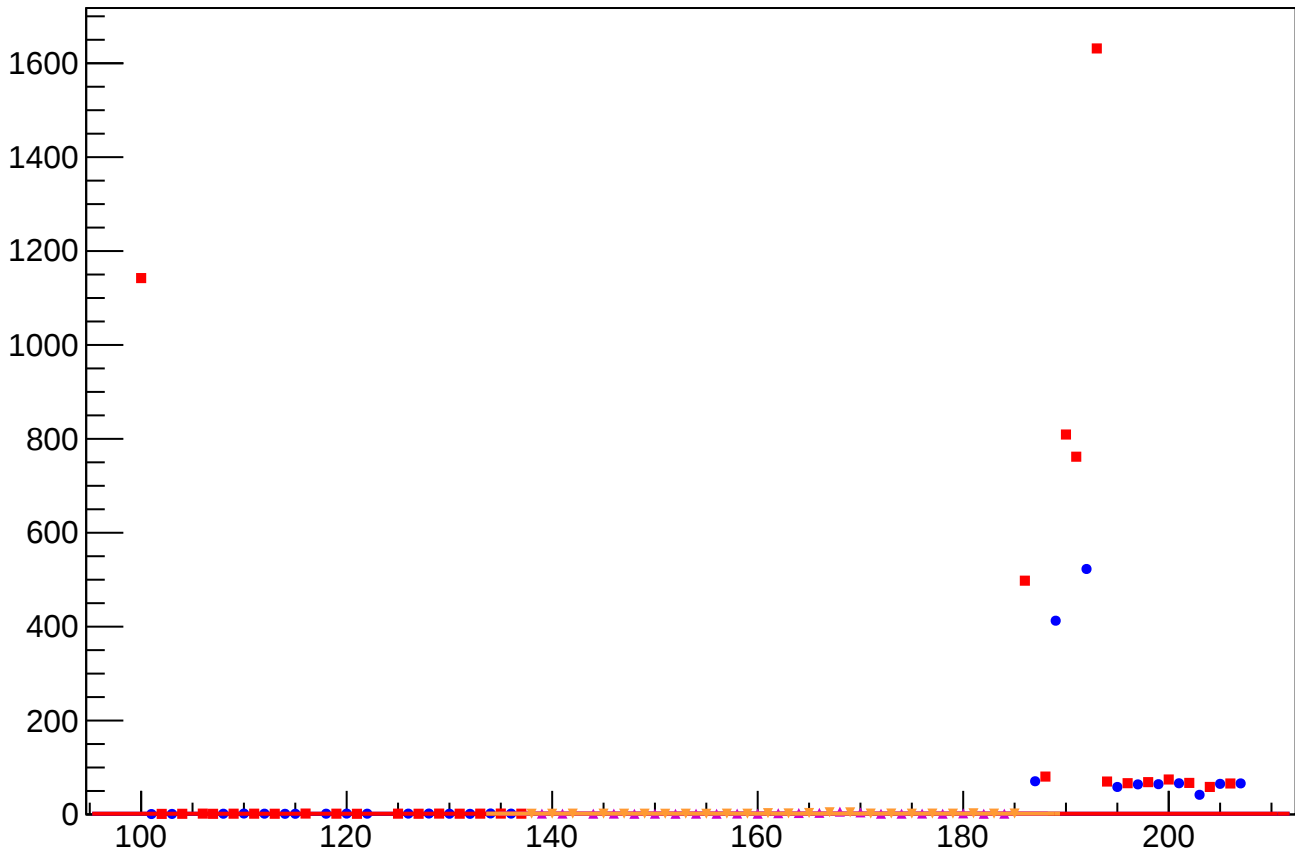
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF: 25.0/22

+ sign -0.188 $\pm$ 0.376 χ^2 /NDF: 51.4/49

All: -0.015 $\pm$ 0.270 χ^2 /NDF: 106.6/102

- sign 0.168 $\pm$ 0.387 χ^2 /NDF: 54.8/52

asym_dsl_correction_rms vs Slug



Right In: 1.450 $\pm$ 0.000 χ^2 /NDF: 11087832.5/25

Left Out: 1.771 $\pm$ 0.000 χ^2 /NDF: 1599621.6/23

Right Out: 1.584 $\pm$ 0.000 χ^2 /NDF: 10943010.6/29

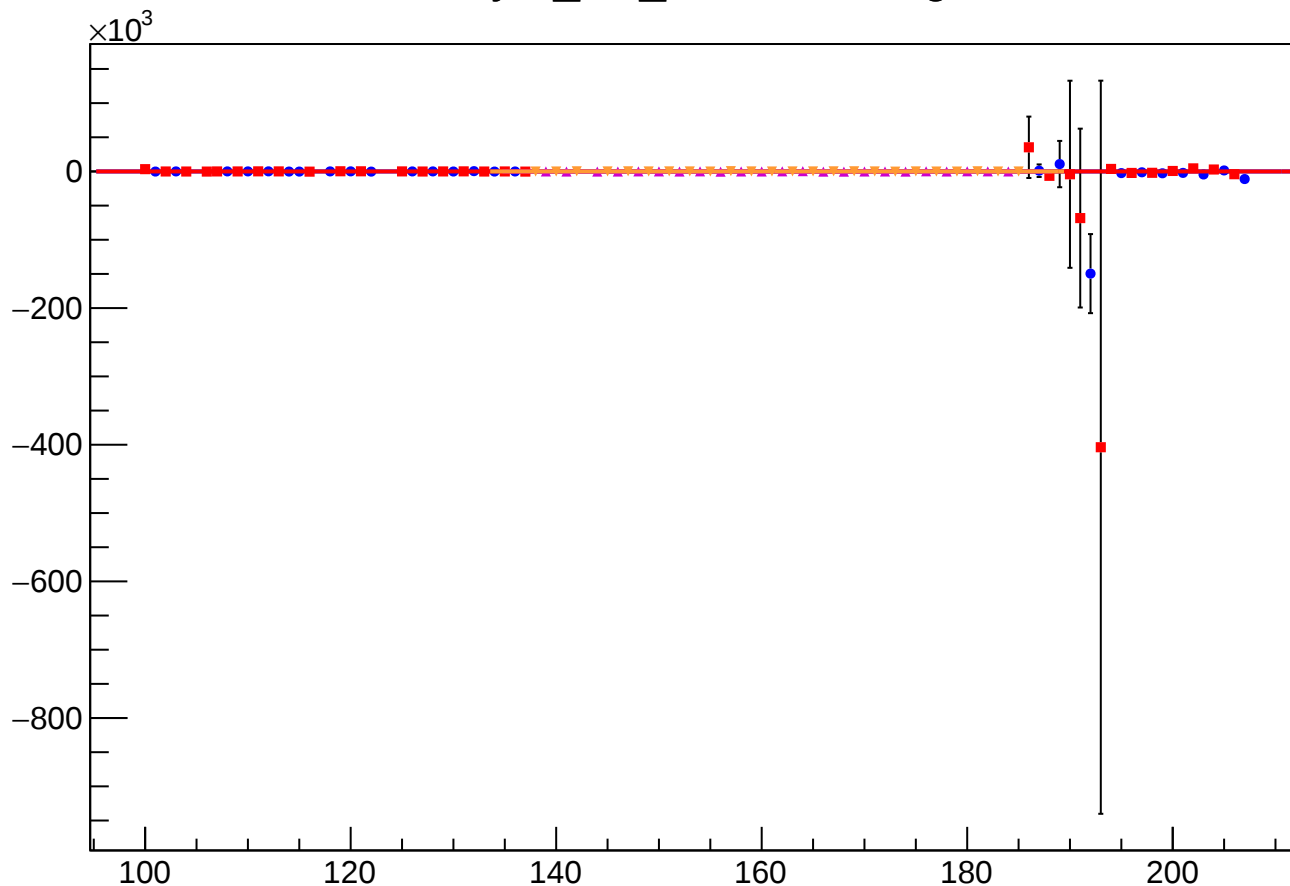
Left In: 1.802 $\pm$ 0.000 χ^2 /NDF: 1921298.2/22

+ sign 1.652 $\pm$ 0.000 χ^2 /NDF: 13028800.0/49

All: 1.687 $\pm$ 0.000 χ^2 /NDF: 26075305.4/102

- sign 1.723 $\pm$ 0.000 χ^2 /NDF: 13010987.5/52

asym_dsl_mean vs Slug



Right In: -2.069 ± 36.772 χ^2/NDF : 31.8/25

Left Out: 12.948 ± 26.268 χ^2/NDF : 35.7/23

Right Out: -1.595 ± 36.757 χ^2/NDF : 18.9/29

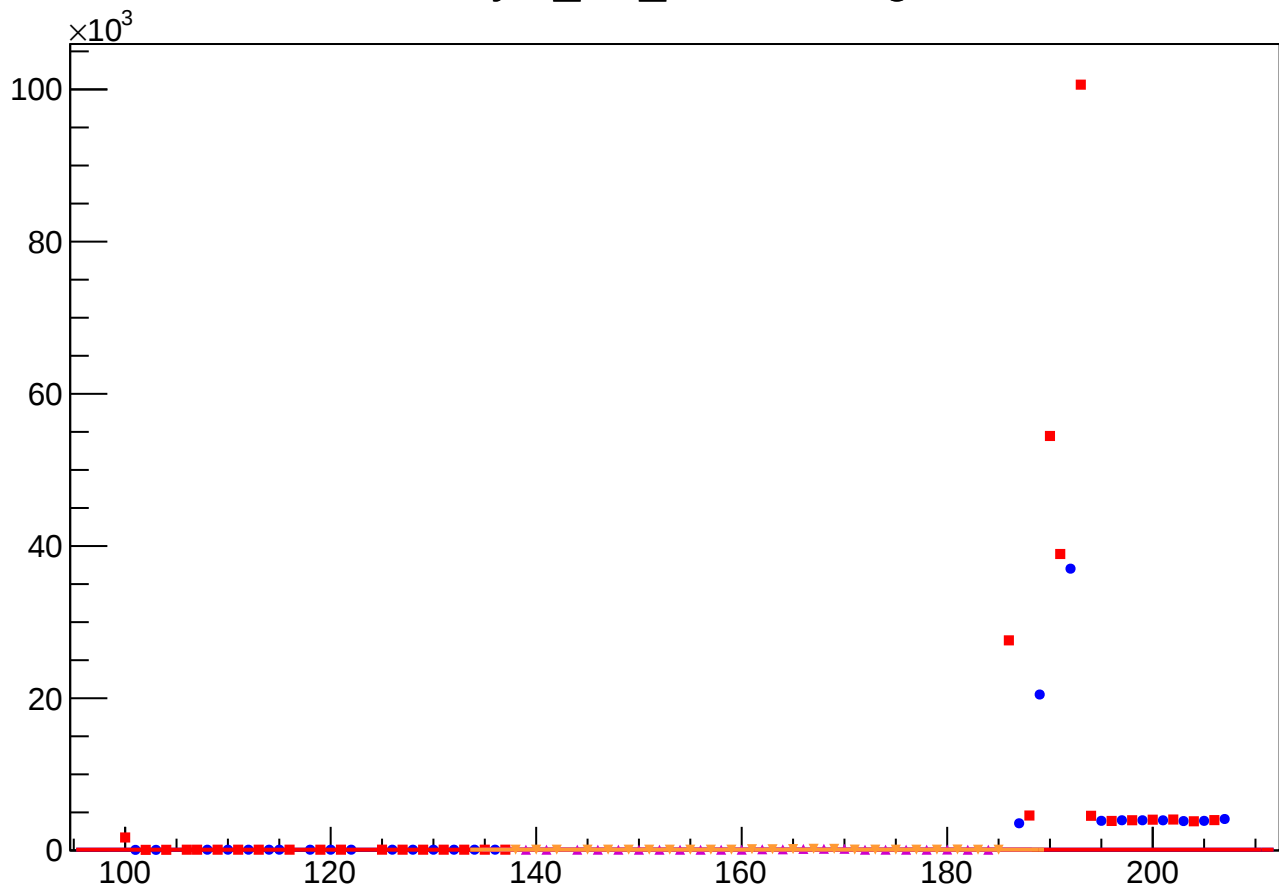
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 7.874 ± 21.374 χ^2/NDF : 67.6/49

All: -4.669 ± 15.129 χ^2/NDF : 123.2/102

- sign -17.261 ± 21.417 χ^2/NDF : 54.9/52

asym_dsl_rms vs Slug



Right In: 96.060 $\pm$ 0.026 χ^2 /NDF: 12792226.8/25

Left Out: 108.090 $\pm$ 0.019 χ^2 /NDF: 1436368.7/23

Right Out: 98.237 $\pm$ 0.026 χ^2 /NDF: 12437194.6/29

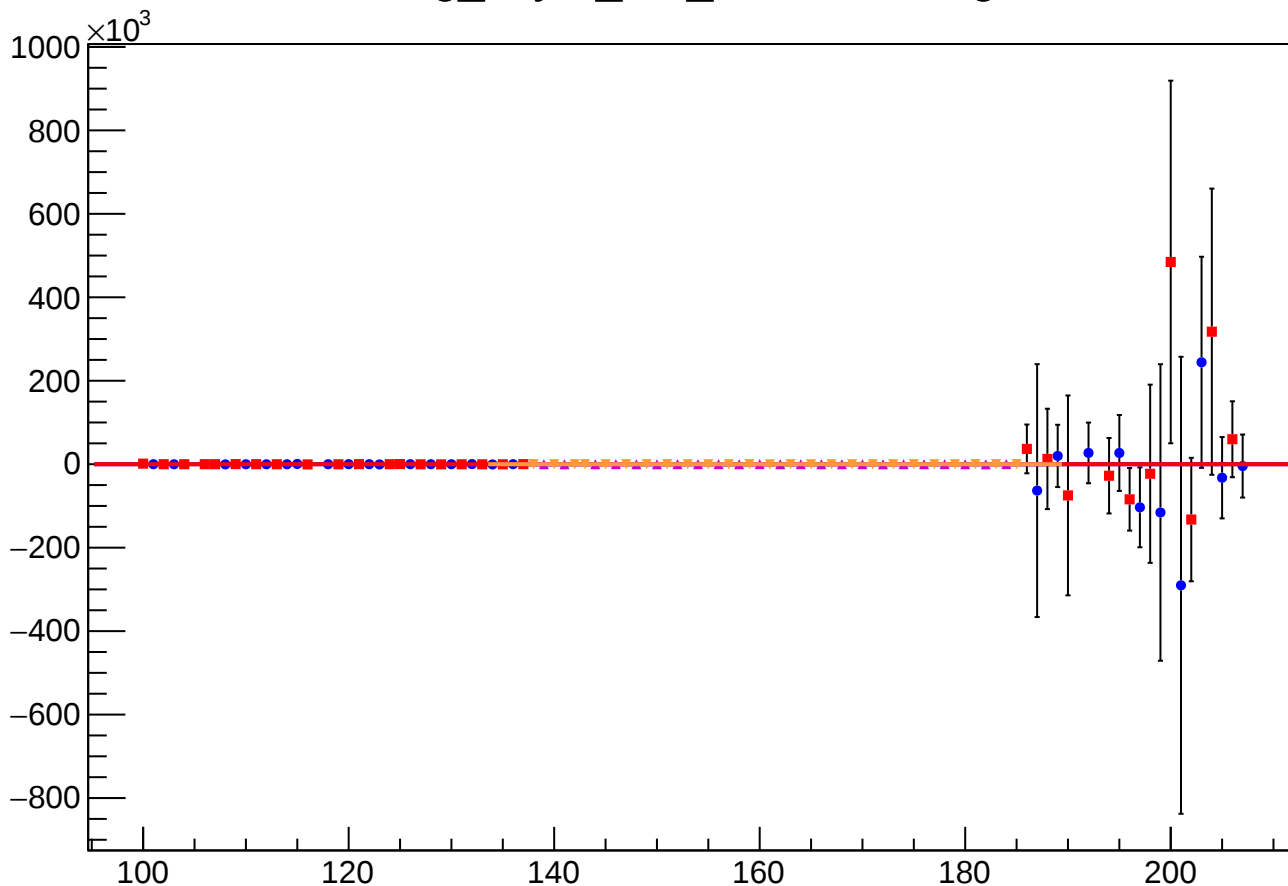
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 104.025 $\pm$ 0.015 χ^2 /NDF: 14370345.2/49

All: 104.257 $\pm$ 0.011 χ^2 /NDF: 28387966.3/10

- sign 104.490 $\pm$ 0.015 χ^2 /NDF: 14017150.3/52

reg_asym_dsr_mean vs Slug



Right In: -26.802 ± 46.841 χ^2/NDF : 17.4/26

Left Out: -12.829 ± 32.063 χ^2/NDF : 12.0/24

Right Out: -53.389 ± 47.775 χ^2/NDF : 20.6/28

Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

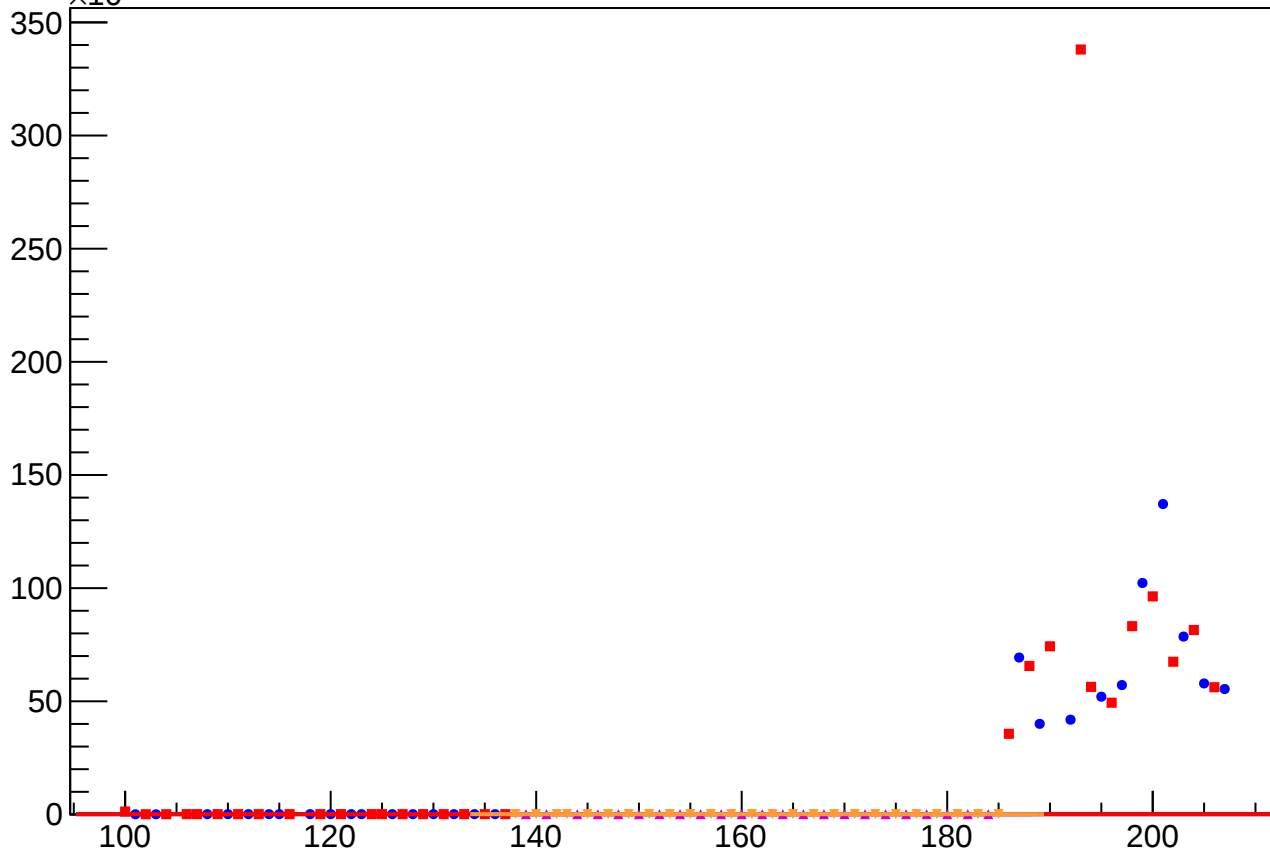
+ sign -17.287 ± 26.458 χ^2/NDF : 29.4/51

All: 4.345 ± 18.939 χ^2/NDF : 74.9/103

- sign 27.075 ± 27.121 χ^2/NDF : 44.1/51

reg_asym_dsr_rms vs Slug

$\times 10^3$



Right In: 117.877 $\pm$ 0.033 χ^2 /NDF: 6424205.5/26

Left Out: 137.856 $\pm$ 0.023 χ^2 /NDF: 443.5/24

Right Out: 124.836 $\pm$ 0.034 χ^2 /NDF: 6059831.0/29

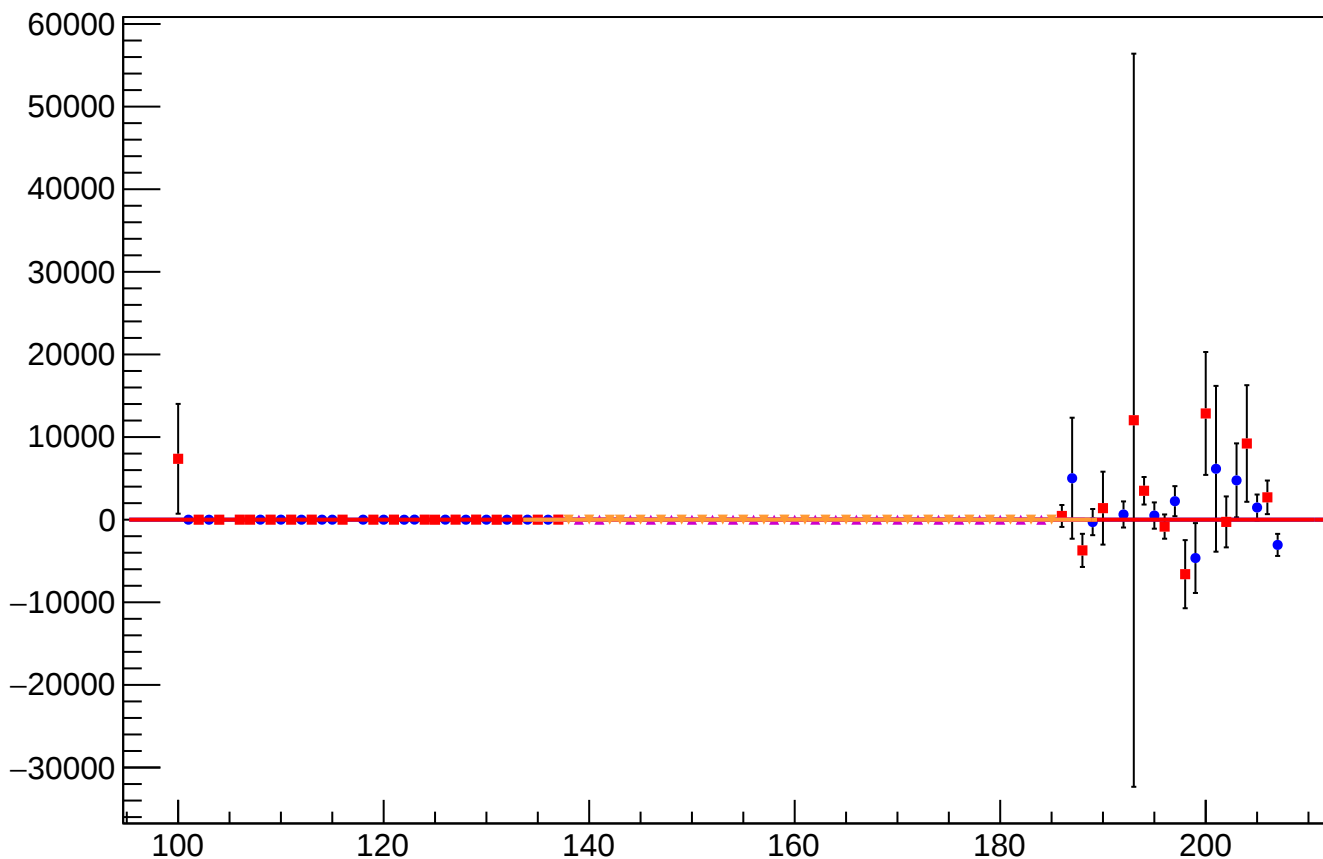
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.482 $\pm$ 0.019 χ^2 /NDF: 6672422.2/51

All: 132.527 $\pm$ 0.013 χ^2 /NDF: 12838988.0/10

- sign 133.625 $\pm$ 0.019 χ^2 /NDF: 6160166.7/52

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 23.3/26

Left Out: 0.490 ± 0.572 χ^2/NDF : 29.0/24

Right Out: 0.639 ± 0.852 χ^2/NDF : 32.2/29

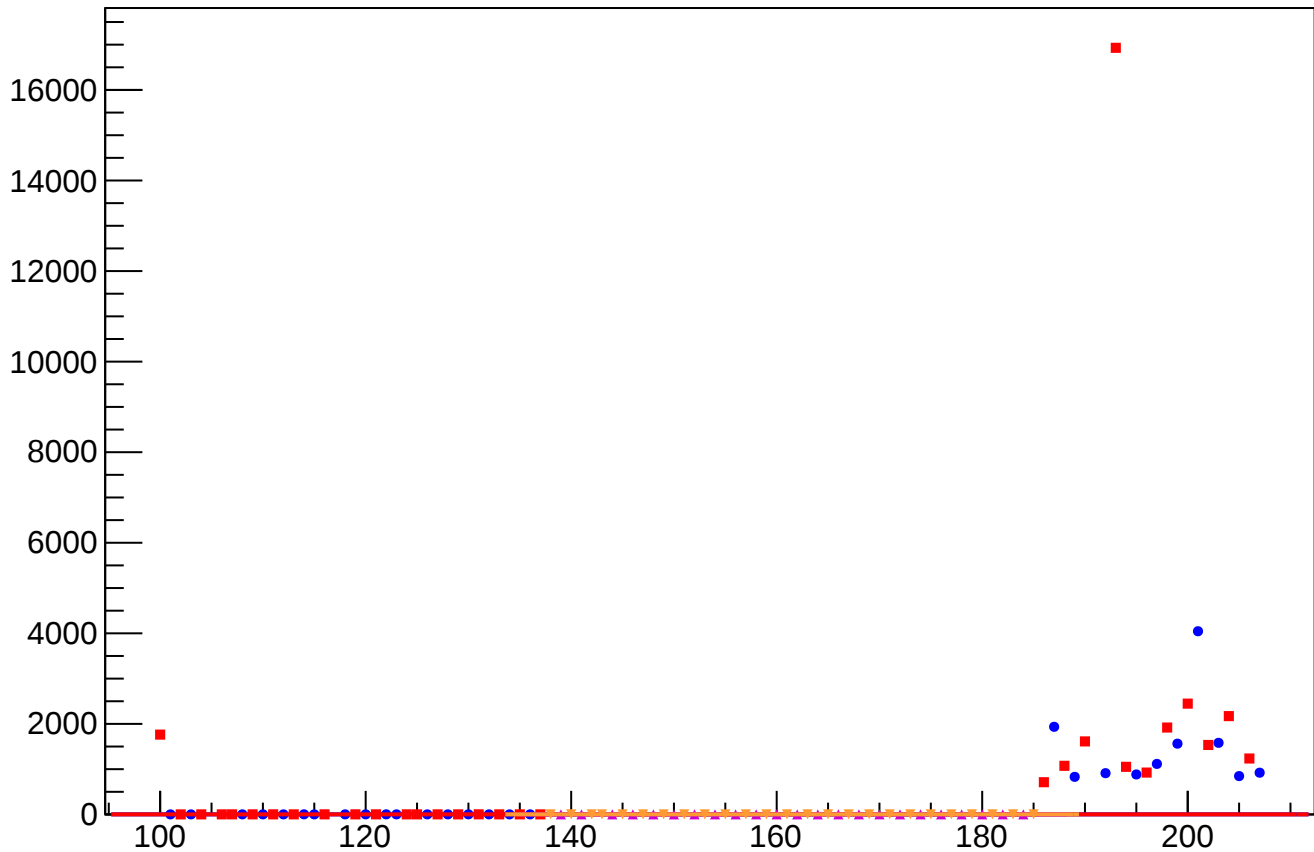
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 53.8/51

All: 0.046 ± 0.334 χ^2/NDF : 107.4/104

- sign 0.004 ± 0.479 χ^2/NDF : 53.7/52

asym_dsr_correction_rms vs Slug



Right In: 1.867 $\pm$ 0.001 χ^2 /NDF: 5578692.3/26

Left Out: 2.262 $\pm$ 0.000 χ^2 /NDF:374973.2/24

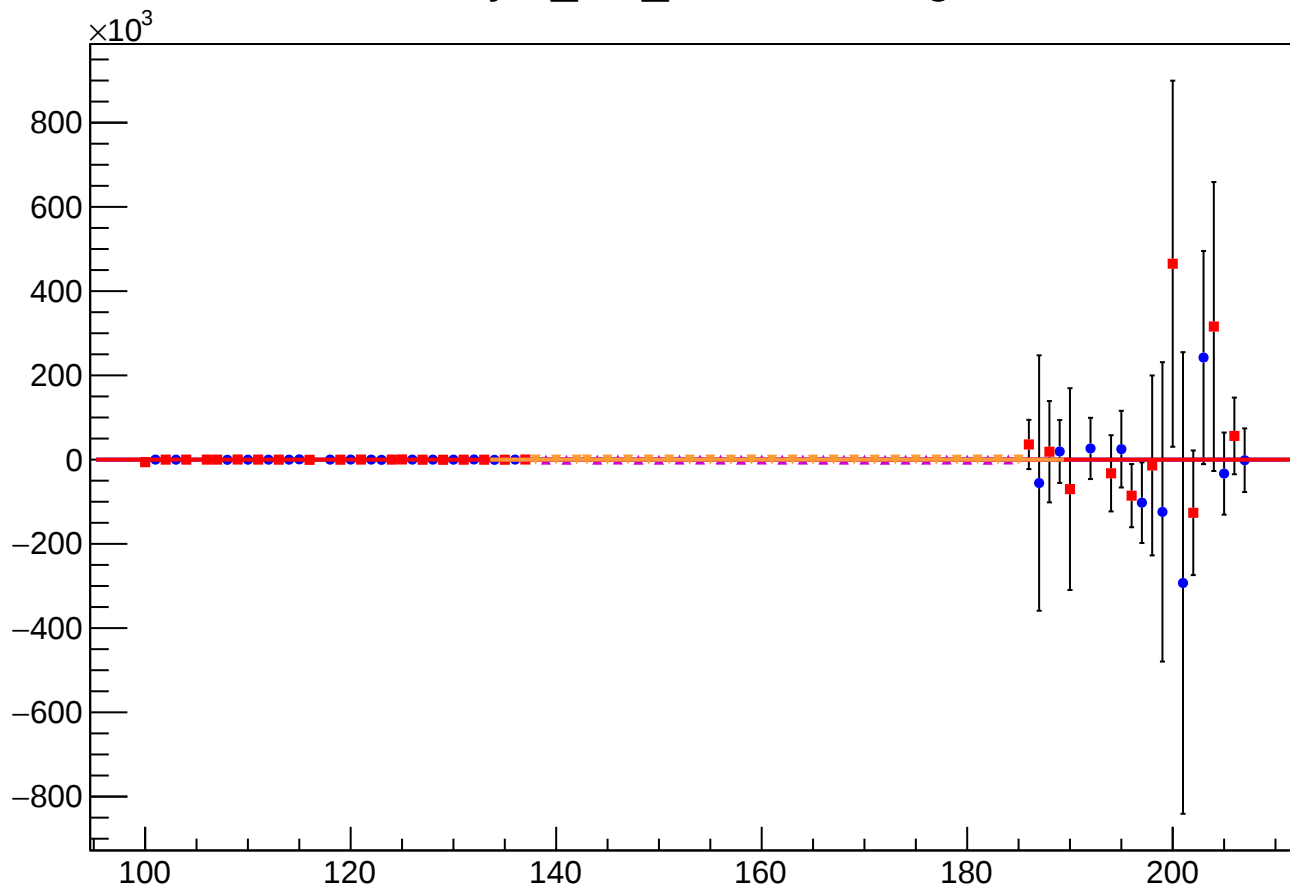
Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 5881033.5/29

Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 6270958.7/51

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 12695816.6/104

- sign 2.153 $\pm$ 0.000 χ^2 /NDF: 6422654.5/52



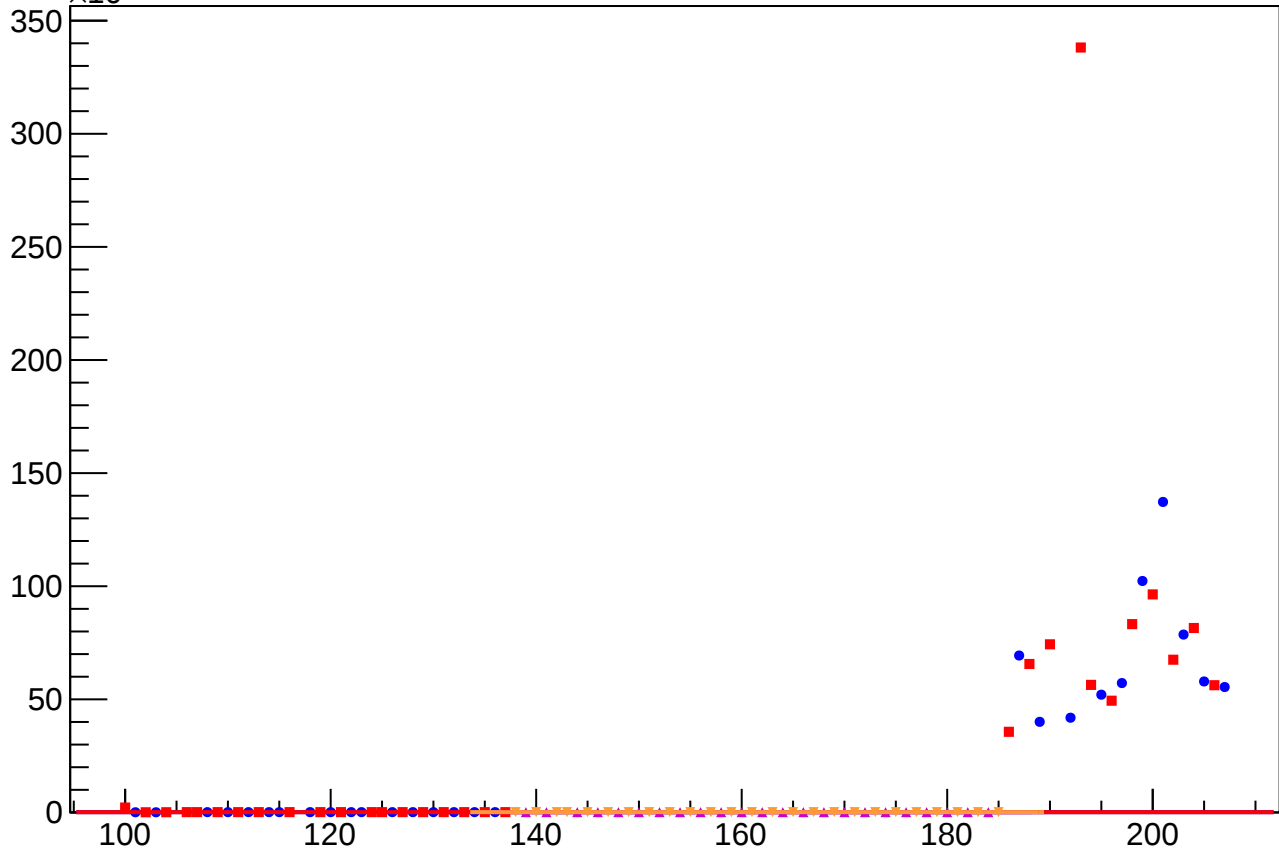
+ sign -17.110 ± 26.465 $\chi^2/\text{NDF}: 29.2/51$

All: 4.260 ± 18.944 $\chi^2/\text{NDF}: 75.2/103$

- sign 26.714 ± 27.129 $\chi^2/\text{NDF}: 44.7/51$

asym_dsr_rms vs Slug

$\times 10^3$



Right In: 117.909 $\pm$ 0.033 χ^2 /NDF: 6424327.8/26

Left Out: 137.895 $\pm$ 0.023 χ^2 /NDF: 440.9/24

Right Out: 124.825 $\pm$ 0.034 χ^2 /NDF: 6070507.8/29

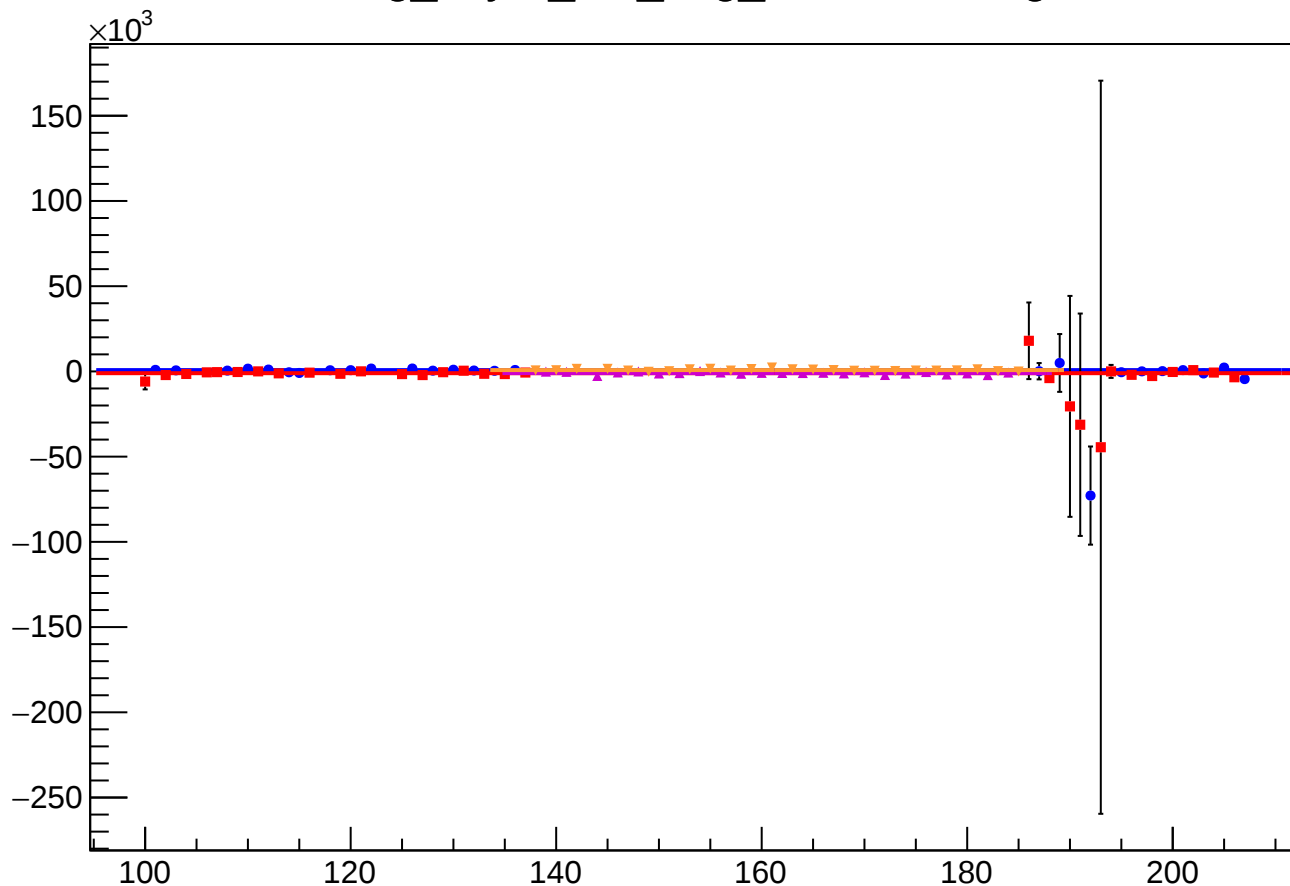
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF: 457.2/22

+ sign 131.518 $\pm$ 0.019 χ^2 /NDF: 6672575.8/51

All: 132.557 $\pm$ 0.013 χ^2 /NDF: 12850442.6/10

- sign 133.648 $\pm$ 0.019 χ^2 /NDF: 6171551.7/52

reg_asym_left_avg_mean vs Slug



Right In: 767.606 $\pm$ 209.879 χ^2 /NDF: 18.8/25

Left Out: 784.371 $\pm$ 134.054 χ^2 /NDF: 19.2/23

Right Out: -1037.077 $\pm$ 207.292 χ^2 /NDF: 18.7/29

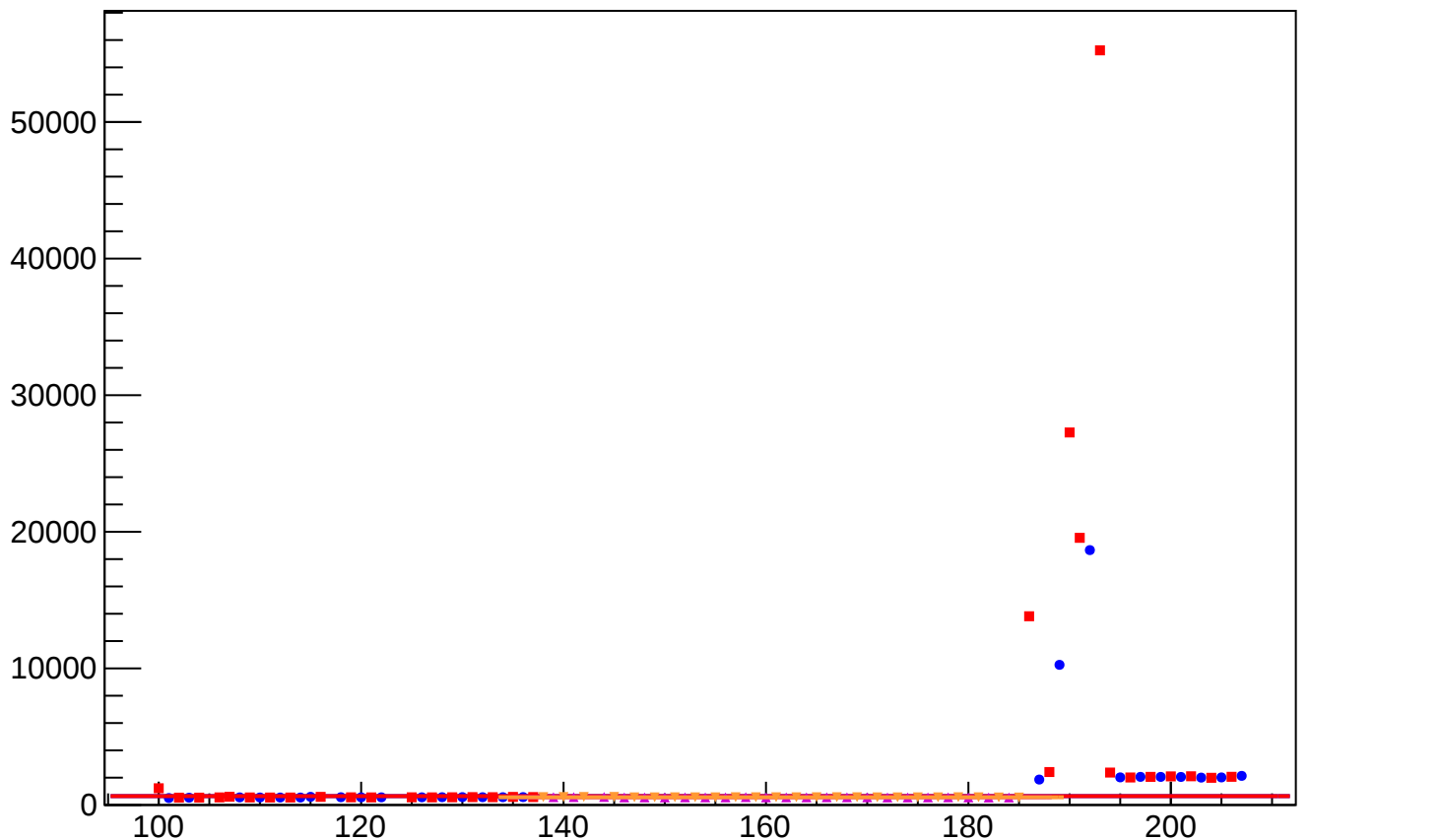
Left In: -974.402 $\pm$ 134.932 χ^2 /NDF: 27.4/22

+ sign 779.513 $\pm$ 112.975 χ^2 /NDF: 38.0/49

All: -105.911 $\pm$ 79.924 χ^2 /NDF: 207.2/102

- sign -993.054 $\pm$ 113.085 χ^2 /NDF: 46.2/52

reg_asym_left_avg_rms vs Slug



Right In: 650.626+/-0.148 χ^2/NDF : 7232953.0/25

Left Out: 564.143+/-0.095 χ^2/NDF : 9594.1/23

Right Out: 649.036+/-0.147 χ^2/NDF : 7187105.7/29

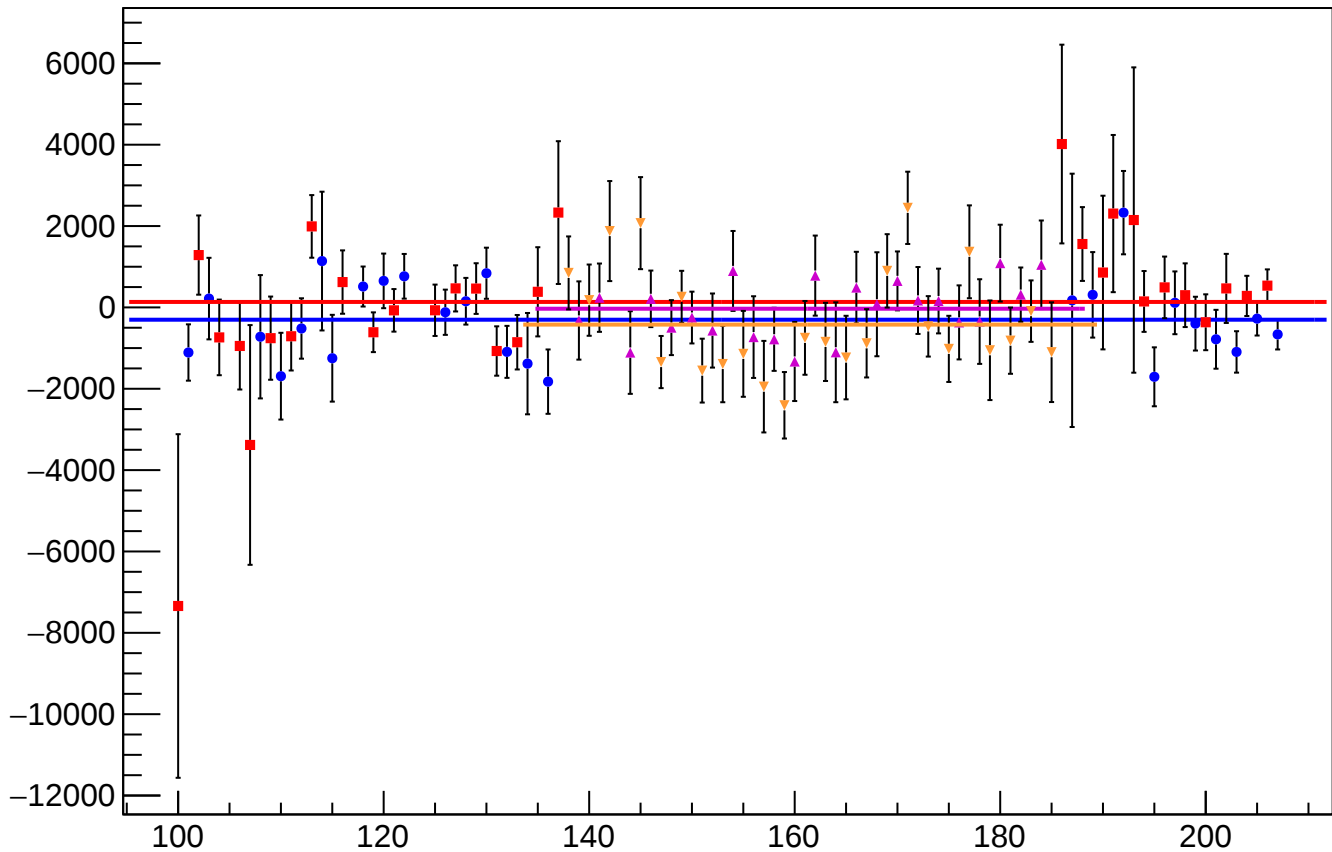
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 589.202+/-0.080 χ^2/NDF : 7483739.2/49

All: 589.389+/-0.057 χ^2/NDF : 14914341.1/10

- sign 589.576+/-0.080 χ^2/NDF : 7430590.9/52

asym_left_avg_correction_mean vs Slug



Right In: -302.492 ± 132.145 χ^2/NDF : 38.4/25

Left Out: -422.681 ± 180.610 χ^2/NDF : 43.2/23

Right Out: 134.390 ± 138.521 χ^2/NDF : 35.5/29

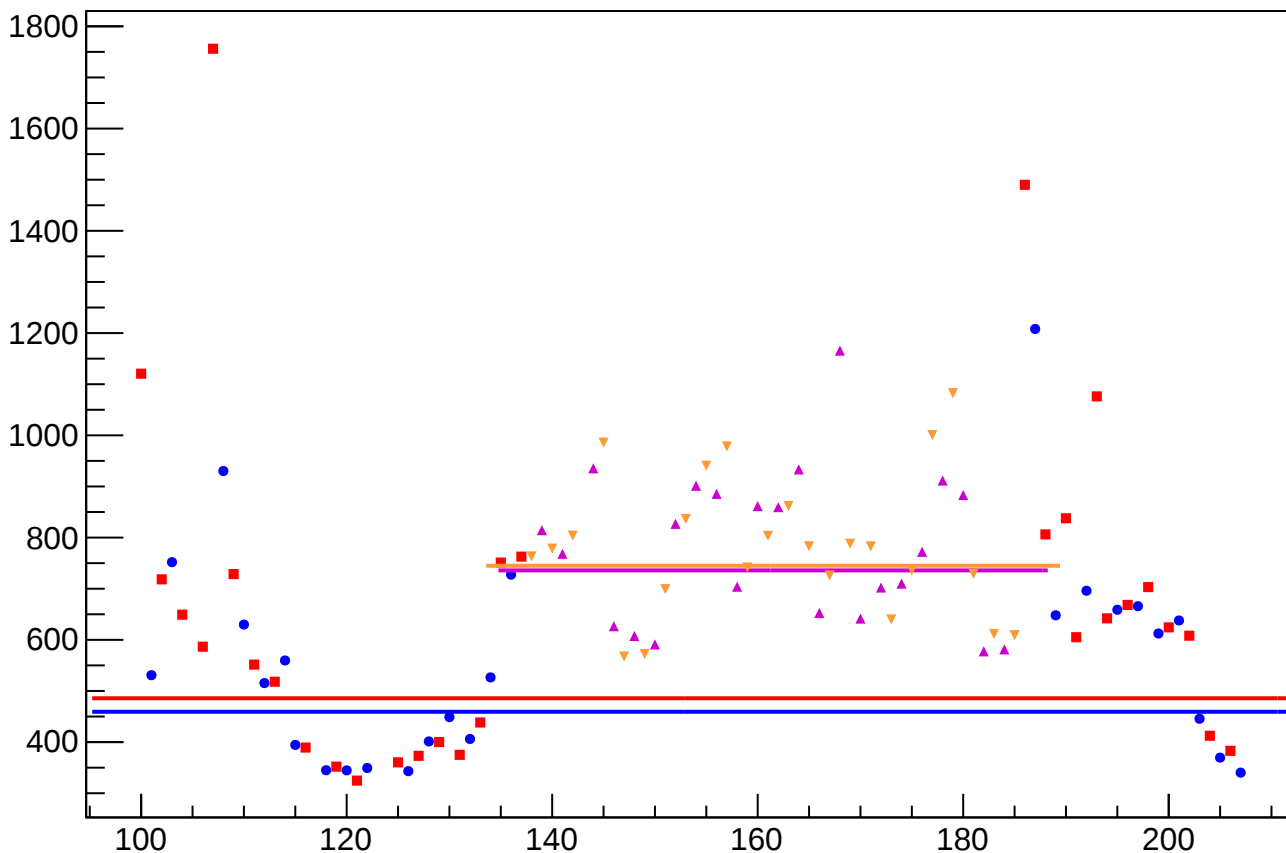
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -344.399 ± 106.647 χ^2/NDF : 81.9/49

All: -141.925 ± 76.450 χ^2/NDF : 137.5/102

- sign 72.102 ± 109.648 χ^2/NDF : 48.2/52

asym_left_avg_correction_rms vs Slug



Right In: 459.323+/-0.093 χ^2/NDF : 2177629.5/25

Left Out: 744.909+/-0.128 χ^2/NDF :1008847.7/23

Right Out: 485.731+/-0.098 χ^2/NDF : 2919402.7/29

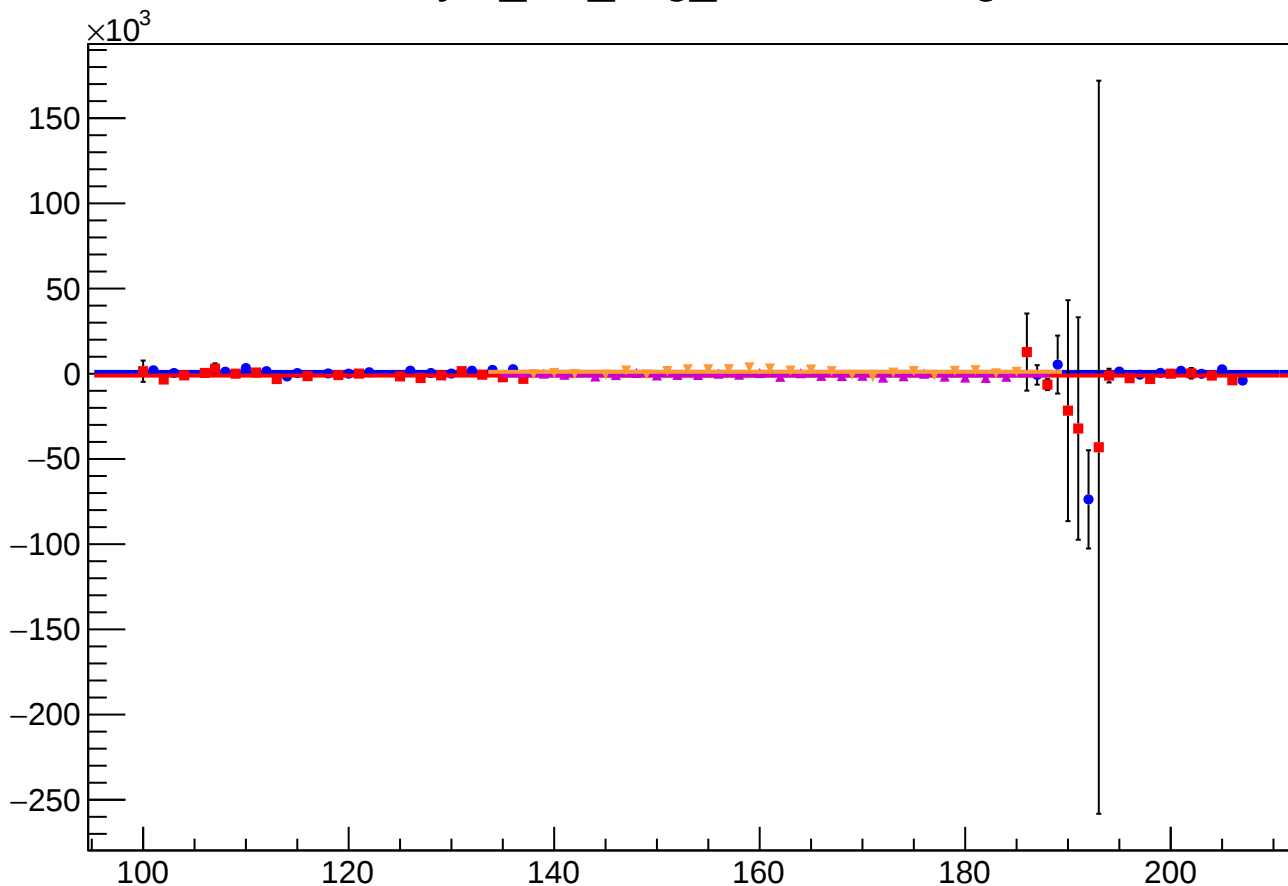
Left In: 735.850+/-0.127 χ^2/NDF :1105405.5/22

+ sign 558.900+/-0.075 χ^2/NDF : 6443488.4/49

All: 568.735+/-0.054 χ^2/NDF : 12938313.9/10

- sign 579.133+/-0.078 χ^2/NDF : 6459830.6/52

asym_left_avg_mean vs Slug



Right In: 1091.877 $\pm$ 280.651 χ^2 /NDF: 24.6/25

Left Out: 1137.936 $\pm$ 228.834 χ^2 /NDF: 38.9/23

Right Out: -1059.159 $\pm$ 280.415 χ^2 /NDF: 29.8/29

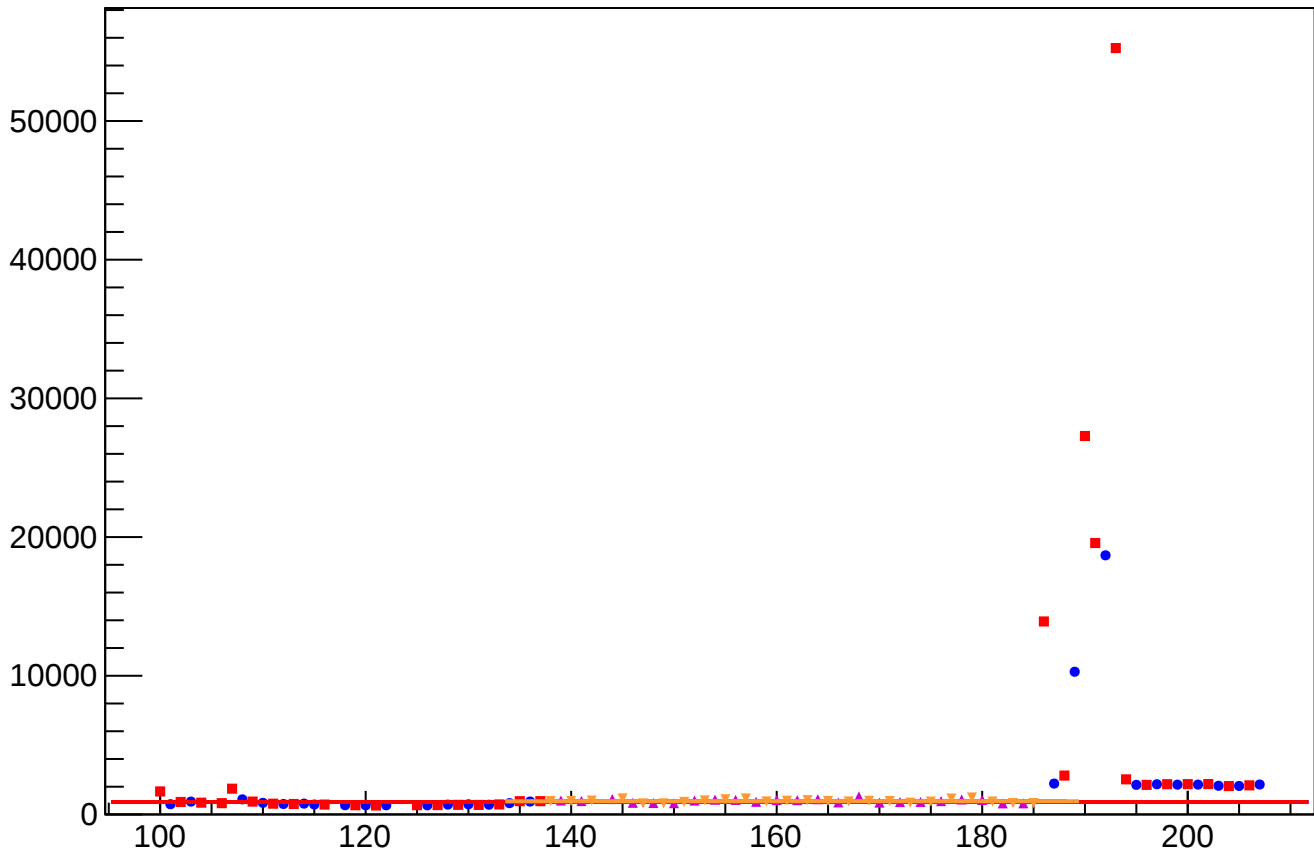
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1119.543 $\pm$ 177.352 χ^2 /NDF: 63.5/49

All: 63.739 $\pm$ 125.302 χ^2 /NDF: 178.9/102

- sign -988.529 $\pm$ 177.055 χ^2 /NDF: 44.7/52

asym_left_avg_rms vs Slug



Right In: 897.266+/-0.198 χ^2/NDF : 5995413.3/25

Left Out: 954.333+/-0.162 χ^2/NDF : 460147.5/23

Right Out: 897.768+/-0.198 χ^2/NDF : 6342586.0/29

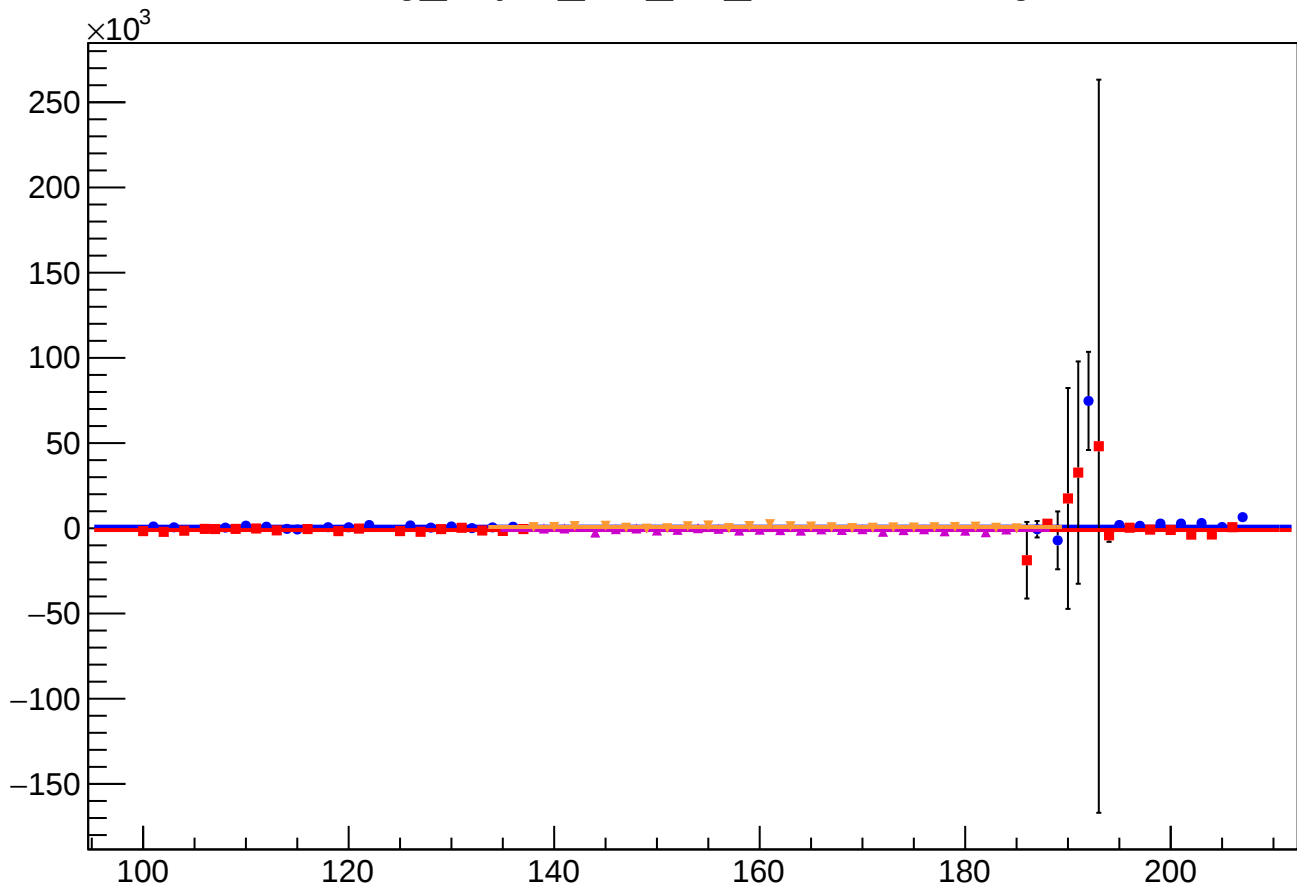
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 931.544+/-0.125 χ^2/NDF : 6505232.5/49

All: 929.326+/-0.089 χ^2/NDF : 13386239.8/10

- sign 927.116+/-0.125 χ^2/NDF : 6880382.7/52

reg_asym_left_dd_mean vs Slug



Right In: 958.620 ± 209.748 χ^2/NDF : 21.5/25

Left Out: 757.642 ± 133.942 χ^2/NDF : 21.0/23

Right Out: -1017.996 ± 202.677 χ^2/NDF : 18.8/29

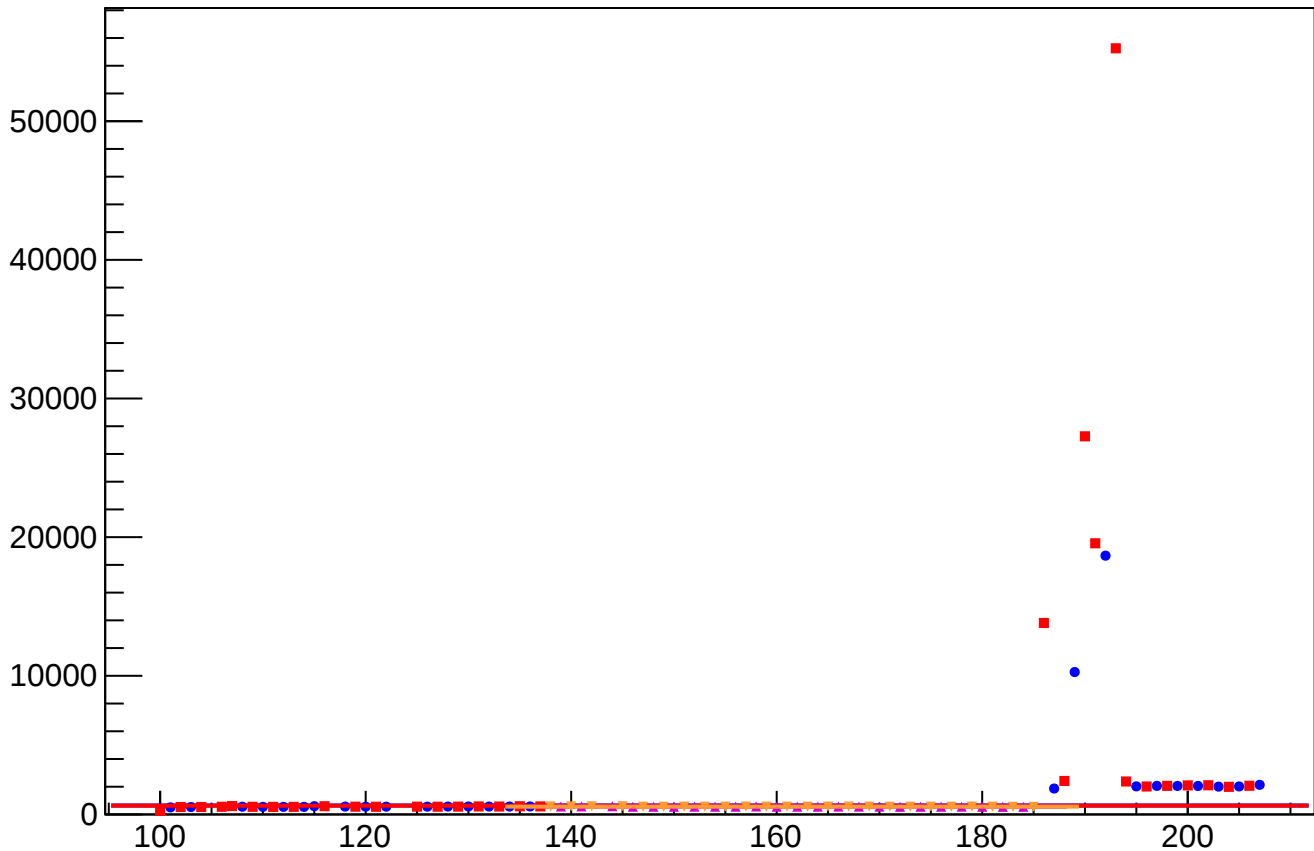
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 815.859 ± 112.888 χ^2/NDF : 43.1/49

All: -85.487 ± 79.599 χ^2/NDF : 215.6/102

- sign -976.763 ± 112.256 χ^2/NDF : 45.7/52

reg_asym_left_dd_rms vs Slug



Right In: 650.004+/-0.148 χ^2/NDF : 7246081.1/25

Left Out: 563.675+/-0.095 χ^2/NDF : 9542.9/23

Right Out: 629.708+/-0.143 χ^2/NDF : 7488527.4/29

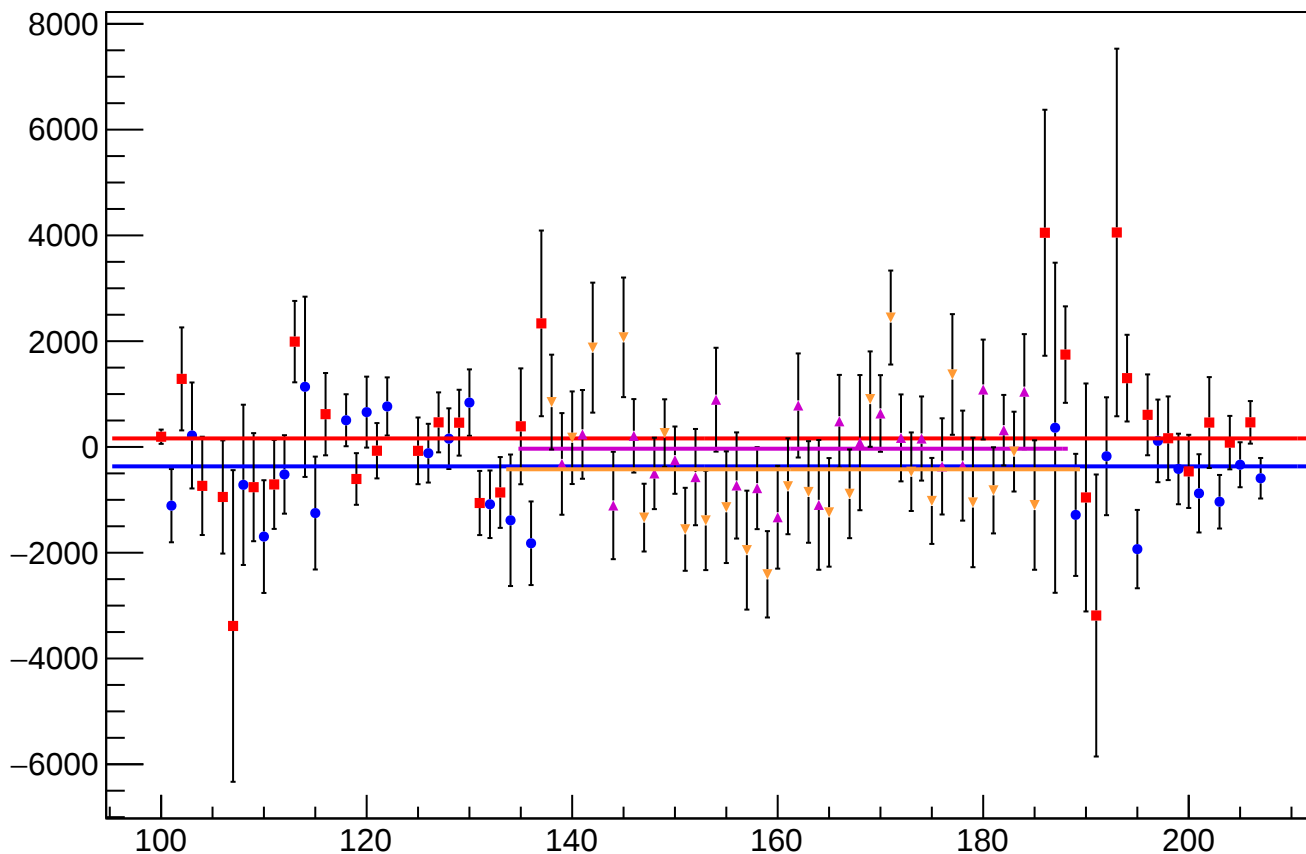
Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

+ sign 588.681+/-0.080 χ^2/NDF : 7496288.6/49

All: 586.383+/-0.056 χ^2/NDF : 15141686.8/100

- sign 584.111+/-0.079 χ^2/NDF : 7643750.0/52

asym_left_dd_correction_mean vs Slug



Right In: -367.102 ± 133.577 χ^2/NDF : 32.5/25

Left Out: -422.324 ± 180.531 χ^2/NDF : 43.3/23

Right Out: 161.221 ± 97.072 χ^2/NDF : 36.7/29

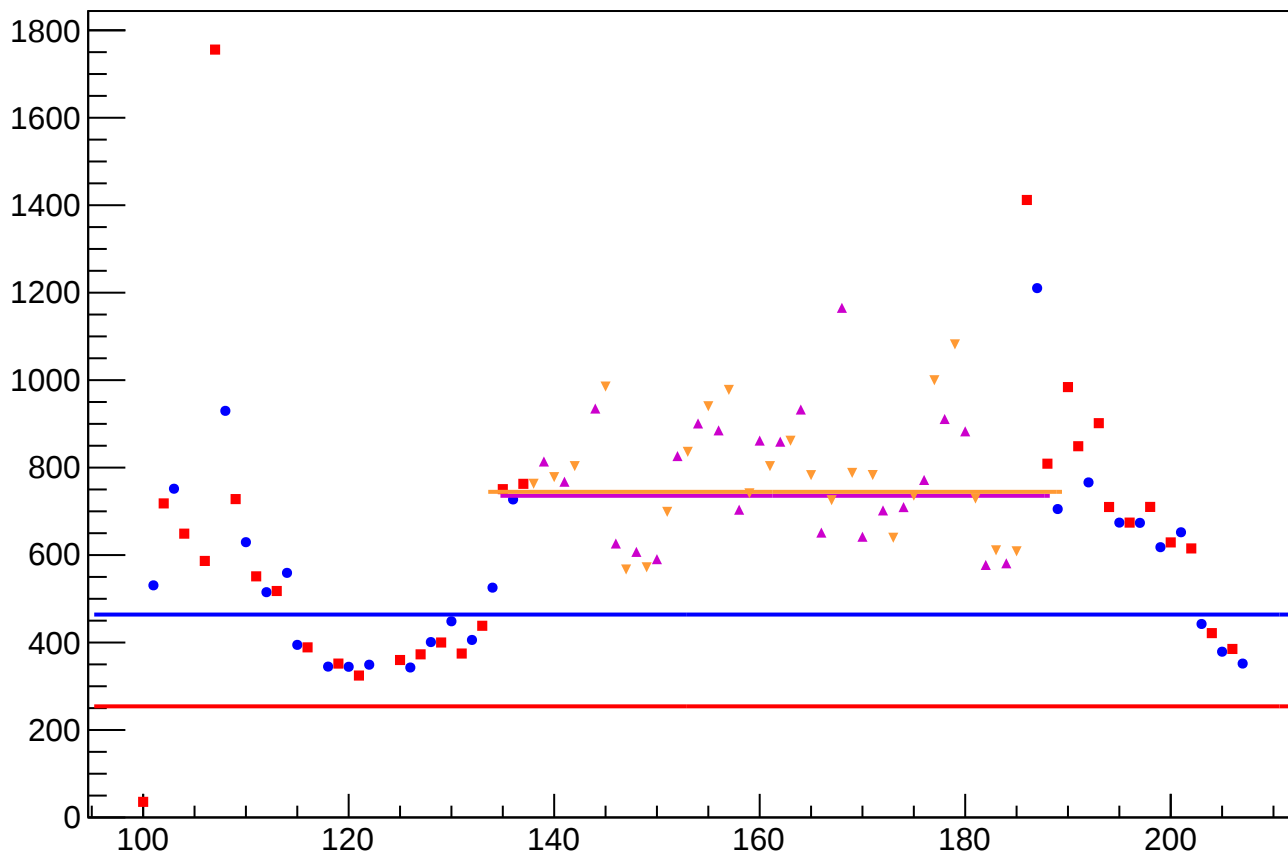
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -386.638 ± 107.379 χ^2/NDF : 75.8/49

All: -77.965 ± 66.825 χ^2/NDF : 139.1/102

- sign 117.144 ± 85.371 χ^2/NDF : 49.7/52

asym_left_dd_correction_rms vs Slug



Right In: 463.964 $\pm$ 0.094 χ^2 /NDF: 2220660.0/25

Left Out: 744.597 $\pm$ 0.128 χ^2 /NDF: 1009604.0/23

Right Out: 254.080 $\pm$ 0.069 χ^2 /NDF: 13814224.5/29

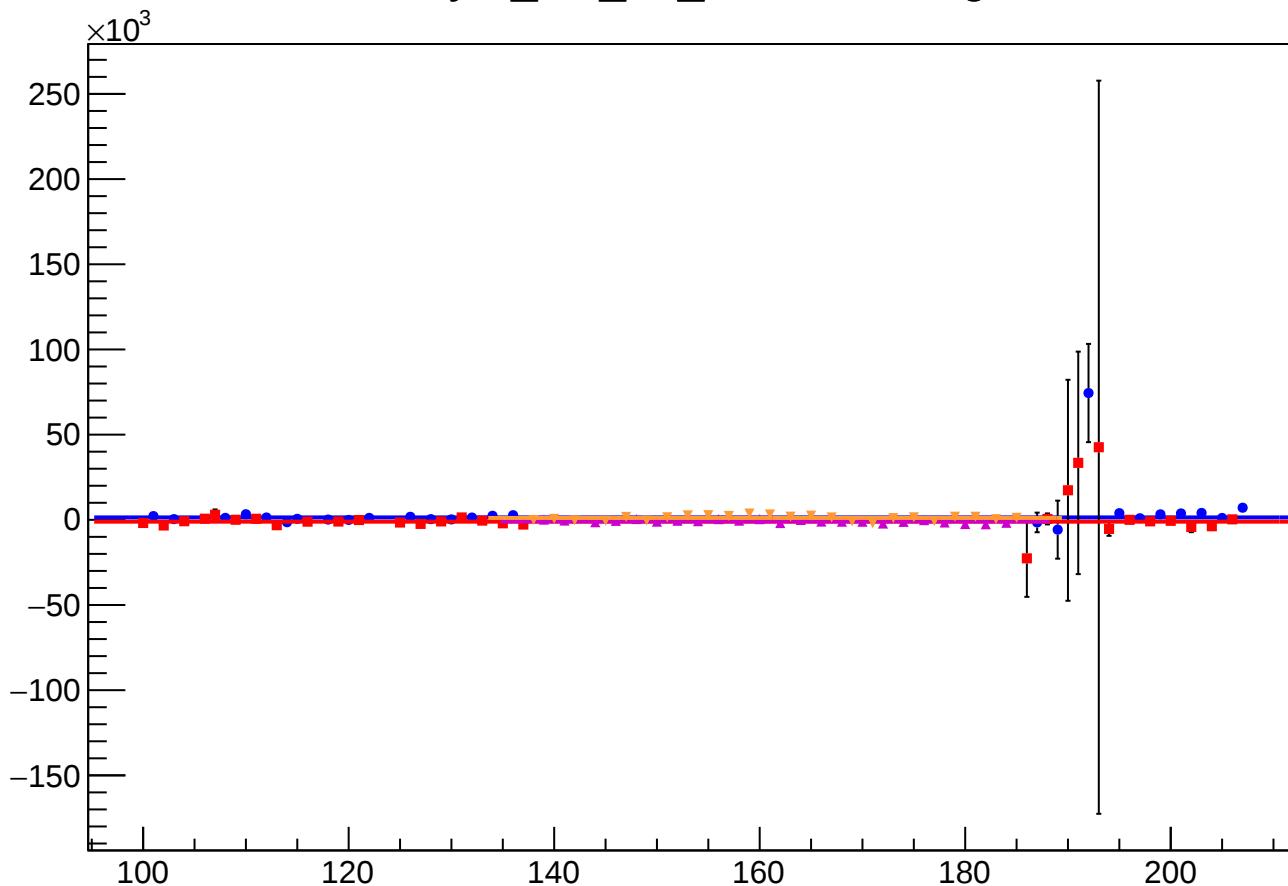
Left In: 735.543 $\pm$ 0.127 χ^2 /NDF: 1105222.3/22

+ sign 563.246 $\pm$ 0.076 χ^2 /NDF: 6353340.8/49

All: 440.652 $\pm$ 0.047 χ^2 /NDF: 36674393.0/10

- sign 363.162 $\pm$ 0.060 χ^2 /NDF: 26066298.1/52

asym_left_dd_mean vs Slug



Right In: 1409.308+/-280.555 χ^2/NDF : 28.9/25

Left Out: 1105.144+/-228.700 χ^2/NDF : 38.3/23

Right Out: -1075.557+/-269.513 χ^2/NDF : 28.0/29

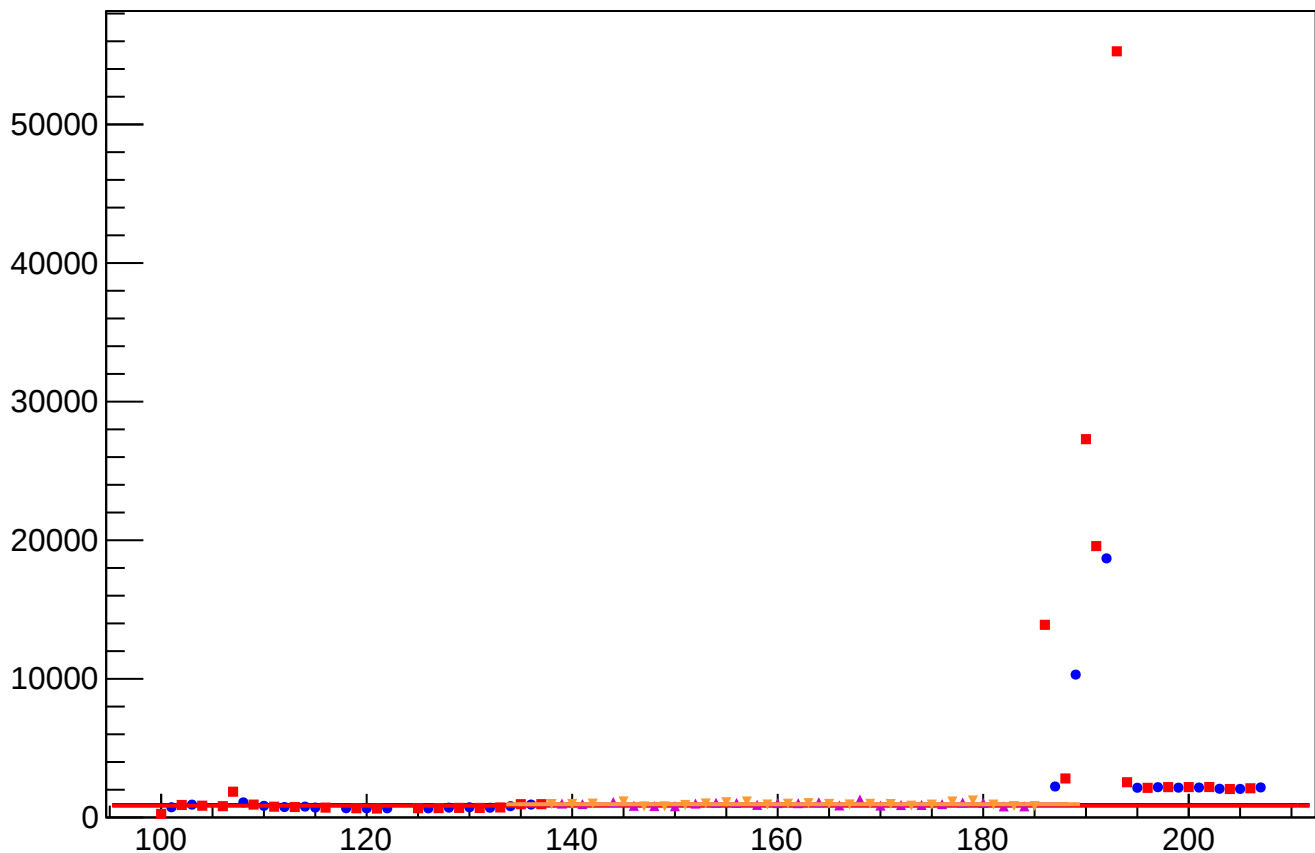
Left In: -926.281+/-228.196 χ^2/NDF : 15.1/22

+ sign 1226.573+/-177.265 χ^2/NDF : 67.9/49

All: 99.377+/-124.231 χ^2/NDF : 190.6/102

- sign -988.612+/-174.155 χ^2/NDF : 43.3/52

asym_left_dd_rms vs Slug



Right In: 896.529+/-0.198 χ^2/NDF : 6015058.0/25

Left Out: 953.781+/-0.162 χ^2/NDF : 460211.0/23

Right Out: 846.110+/-0.191 χ^2/NDF : 7132971.4/29

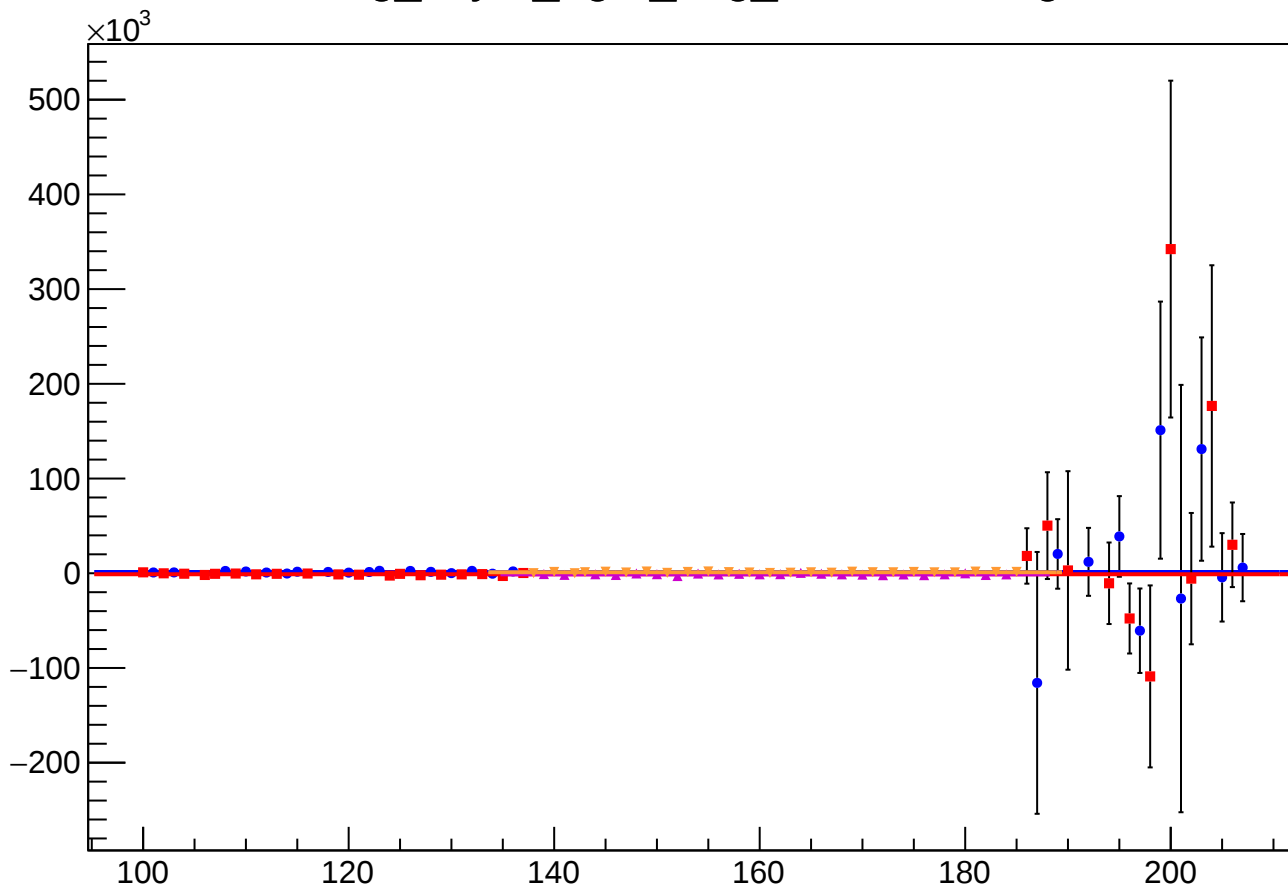
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 930.925+/-0.125 χ^2/NDF : 6525305.3/49

All: 917.384+/-0.088 χ^2/NDF : 14342804.0/10

- sign 904.314+/-0.123 χ^2/NDF : 7794564.1/52

reg_asym_right_avg_mean vs Slug



Right In: 1325.194 $\pm$ 218.579 χ^2 /NDF: 19.1/26

Left Out: 1073.626 $\pm$ 129.690 χ^2 /NDF: 15.1/24

Right Out: -1039.529 $\pm$ 212.062 χ^2 /NDF: 23.3/28

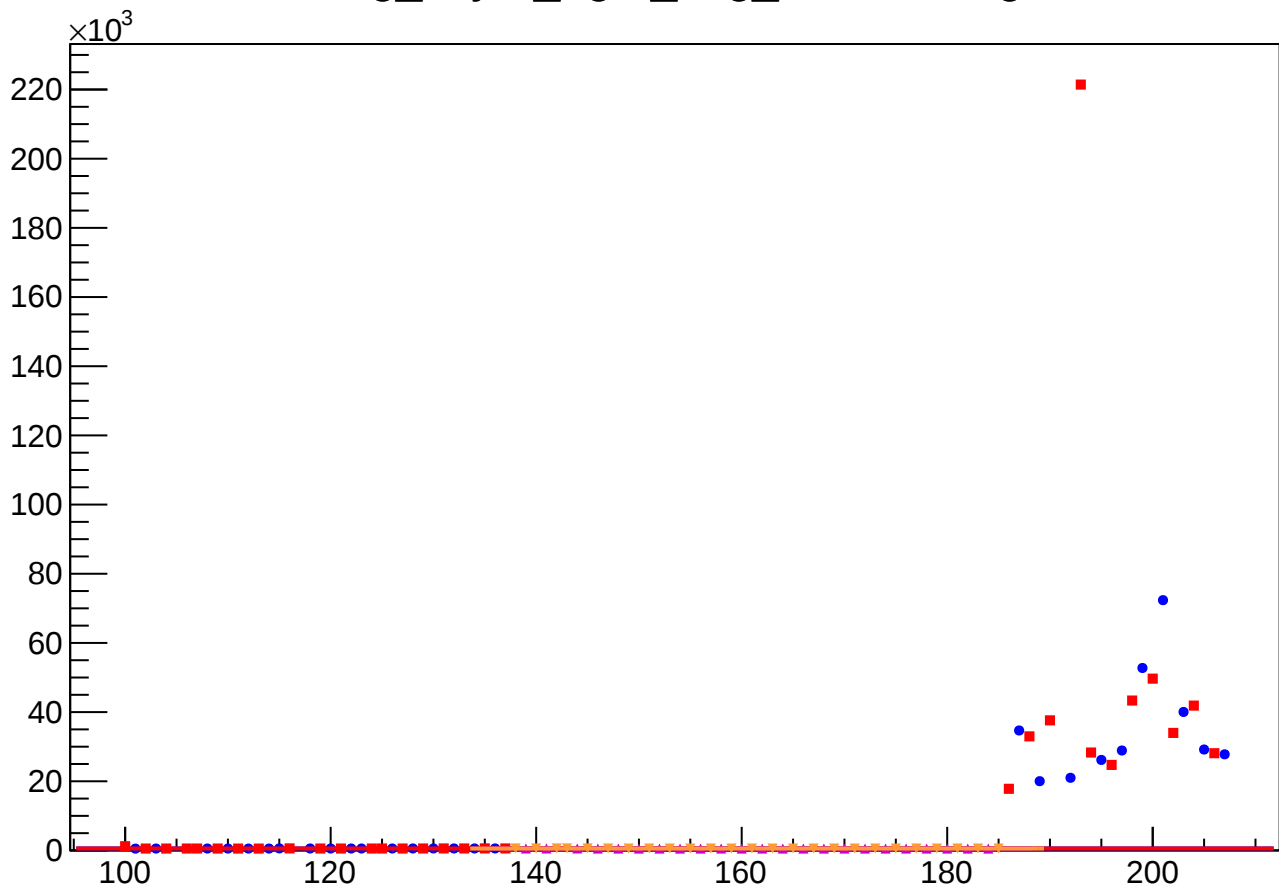
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF: 30.0/22

+ sign 1139.128 $\pm$ 111.535 χ^2 /NDF: 35.2/51

All: 31.916 $\pm$ 79.301 χ^2 /NDF: 287.9/103

- sign -1100.008 $\pm$ 112.773 χ^2 /NDF: 53.4/51

reg_asym_right_avg_rms vs Slug



Right In: 568.491 $\pm$ 0.155 χ^2 /NDF: 5666724.8/26

Left Out: 557.534 $\pm$ 0.092 χ^2 /NDF: 14752.8/24

Right Out: 569.683 $\pm$ 0.150 χ^2 /NDF: 5483307.9/29

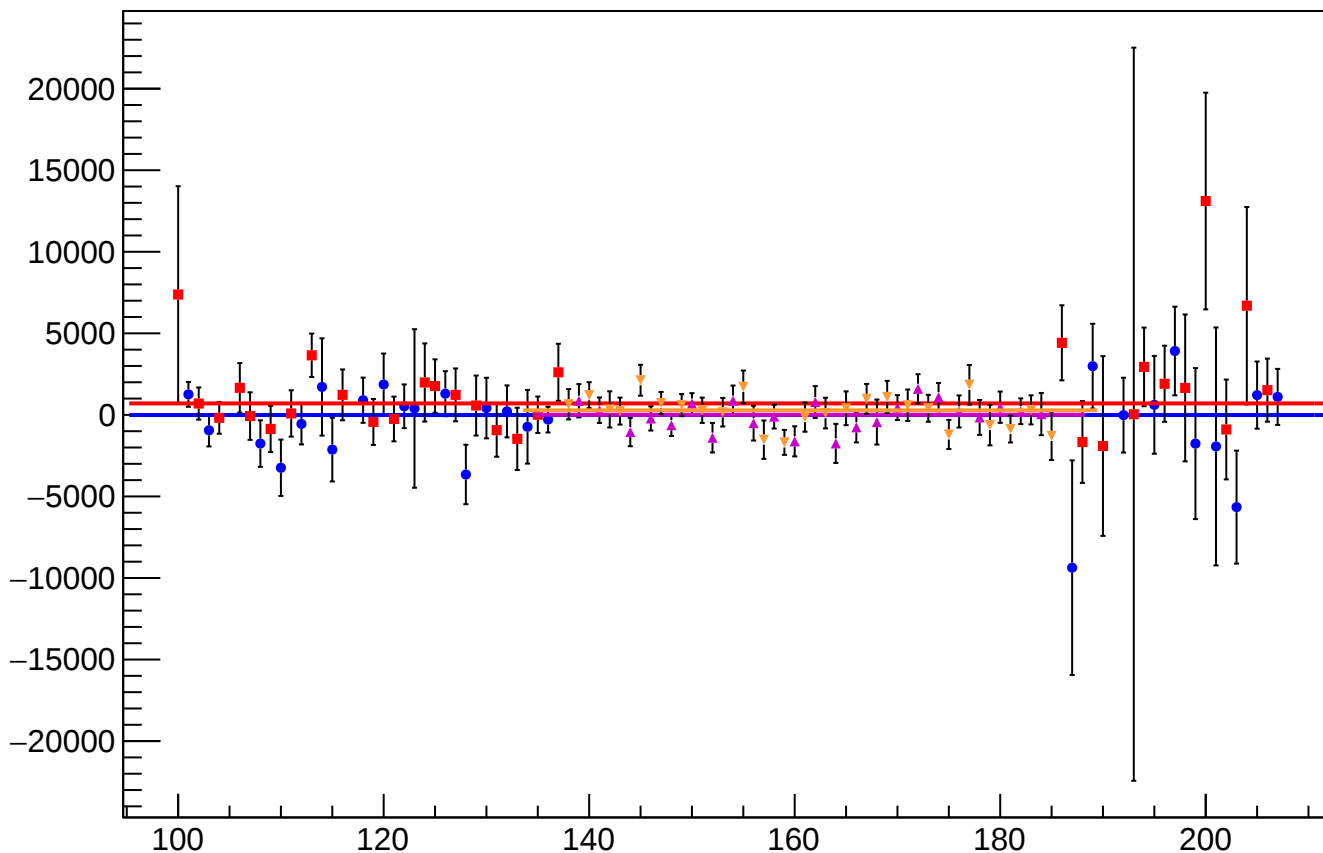
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 560.387 $\pm$ 0.079 χ^2 /NDF: 5685194.4/51

All: 560.475 $\pm$ 0.056 χ^2 /NDF: 11184870.4/10

- sign 560.565 $\pm$ 0.080 χ^2 /NDF: 5499673.5/52

asym_right_avg_correction_mean vs Slug



Right In: -7.575 ± 306.982 χ^2/NDF : 26.3/26

Left Out: 281.875 ± 180.423 χ^2/NDF : 26.7/24

Right Out: 703.028 ± 312.634 χ^2/NDF : 24.6/29

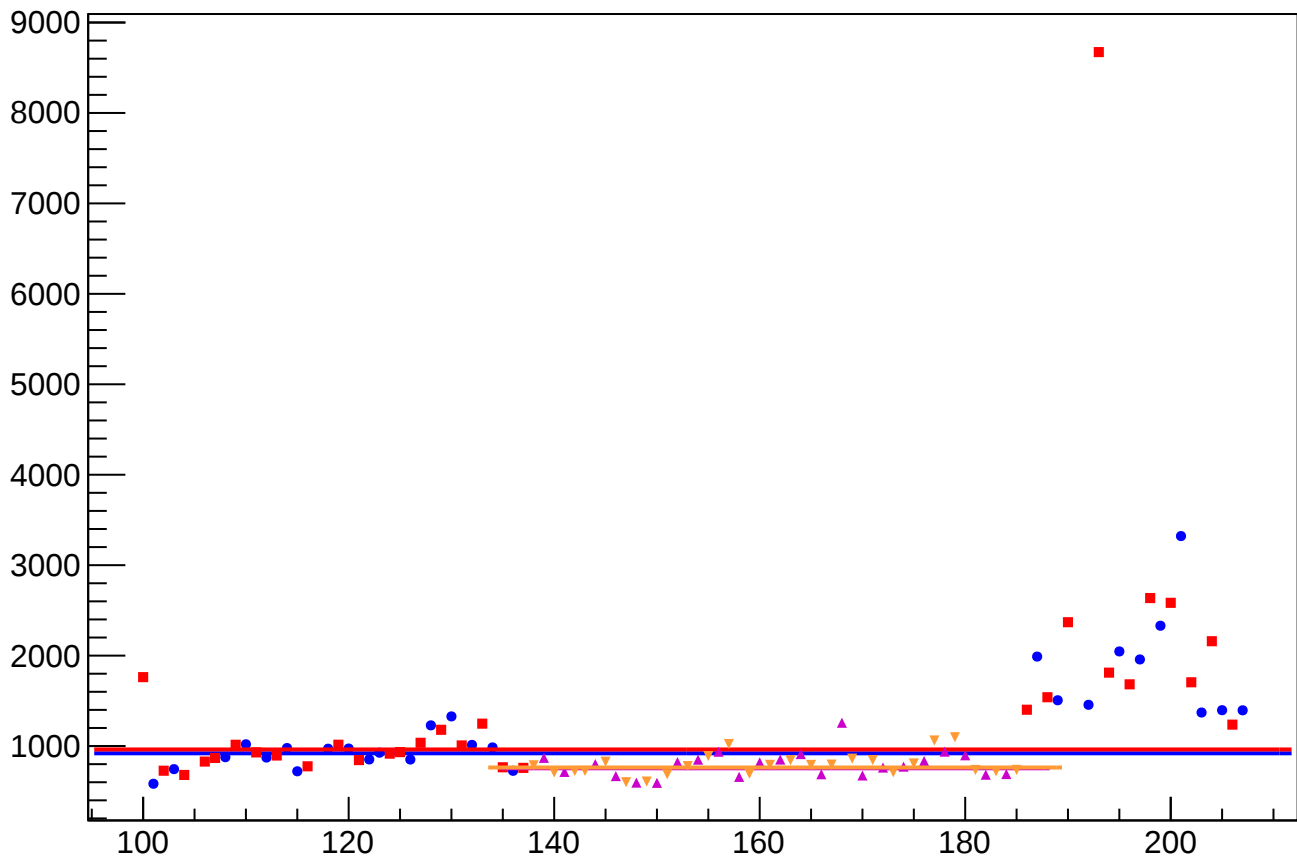
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 207.561 ± 155.547 χ^2/NDF : 53.6/51

All: 196.998 ± 110.907 χ^2/NDF : 102.1/104

- sign 186.076 ± 158.178 χ^2/NDF : 48.4/52

asym_right_avg_correction_rms vs Slug



Right In: 919.828+/-0.217 χ^2/NDF : 2317448.4/26

Left Out: 763.085+/-0.128 χ^2/NDF : 753700.1/24

Right Out: 962.502+/-0.221 χ^2/NDF : 2174787.8/29

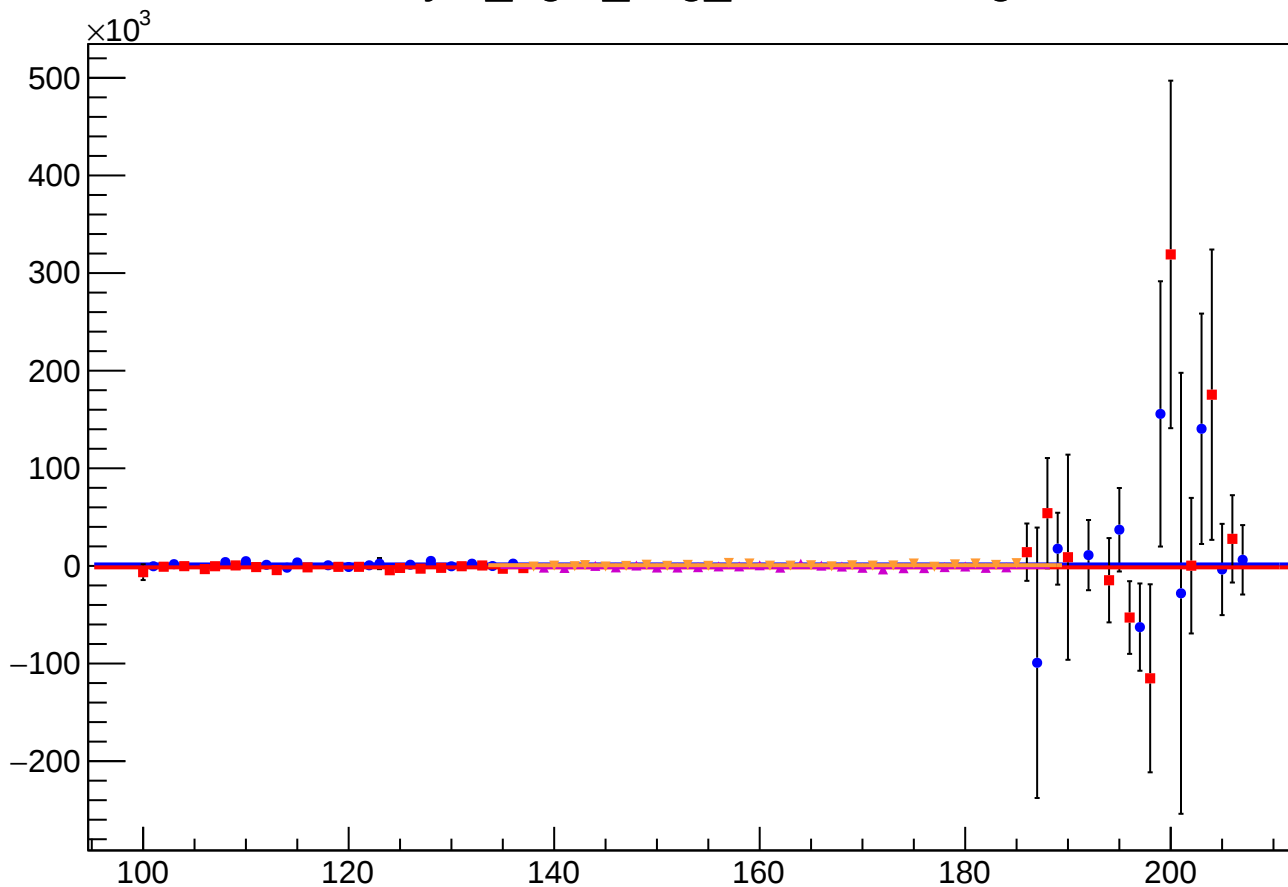
Left In: 754.099+/-0.130 χ^2/NDF : 931829.3/22

+ sign 803.328+/-0.110 χ^2/NDF : 3458696.3/51

All: 805.353+/-0.078 χ^2/NDF : 7227226.0/104

- sign 807.448+/-0.112 χ^2/NDF : 3767839.9/52

asym_right_avg_mean vs Slug



Right In: 1501.295 $\pm$ 402.536 χ^2 /NDF: 23.4/26

Left Out: 739.641 $\pm$ 225.535 χ^2 /NDF: 21.5/24

Right Out: -1485.657 $\pm$ 400.599 χ^2 /NDF: 21.8/28

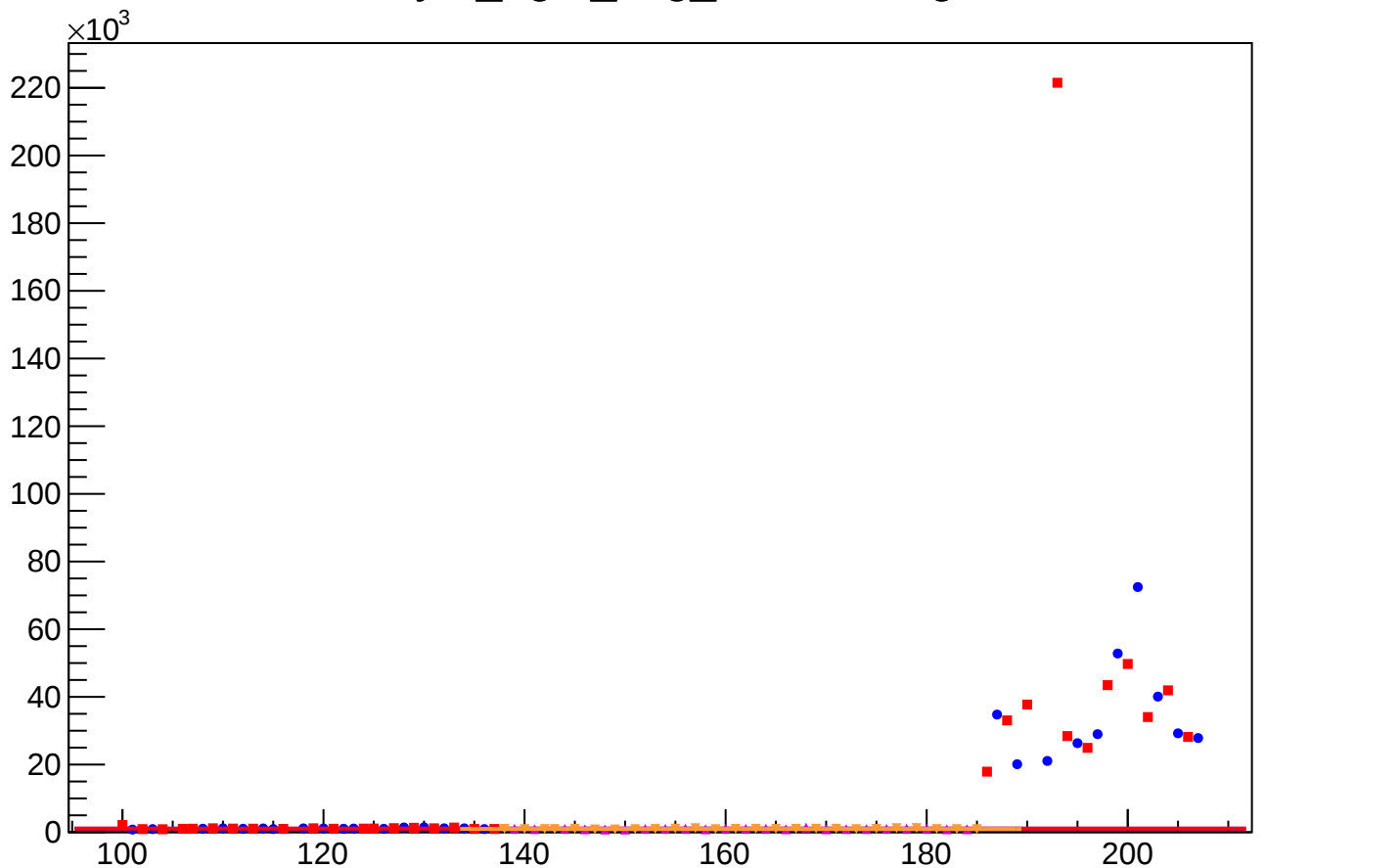
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 921.614 $\pm$ 196.757 χ^2 /NDF: 47.6/51

All: -131.452 $\pm$ 140.090 χ^2 /NDF: 153.5/103

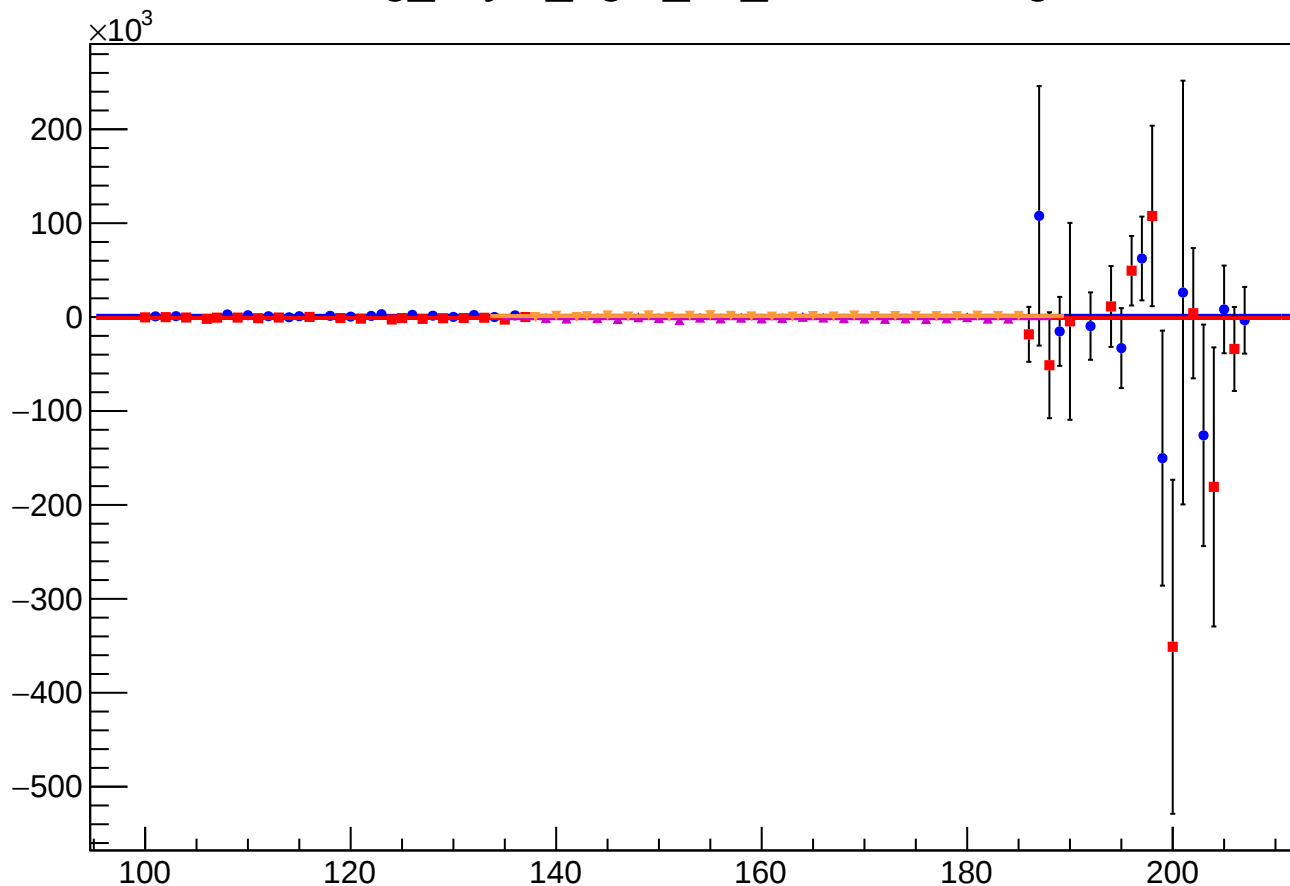
- sign -1214.140 $\pm$ 199.505 χ^2 /NDF: 47.7/51

asym_right_avg_rms vs Slug



Right In: 1038.525+/-0.285	χ^2/NDF : 5803547.2/26	+ sign 980.478+/-0.139	χ^2/NDF : 6221129.7/51
Left Out: 962.256+/-0.159	χ^2/NDF : 362937.6/24	All: 982.227+/-0.099	χ^2/NDF : 12278835.4/10
Right Out: 1073.106+/-0.283	χ^2/NDF : 5482472.3/29	- sign 984.025+/-0.141	χ^2/NDF : 6057385.2/52
Left In: 954.643+/-0.163	χ^2/NDF : 443395.0/22		

reg_asym_right_dd_mean vs Slug



Right In: 1344.399+/-218.834 χ^2/NDF : 17.9/26

Left Out: 1087.627+/-129.821 χ^2/NDF : 14.9/24

Right Out: -966.131+/-208.597 χ^2/NDF : 22.5/28

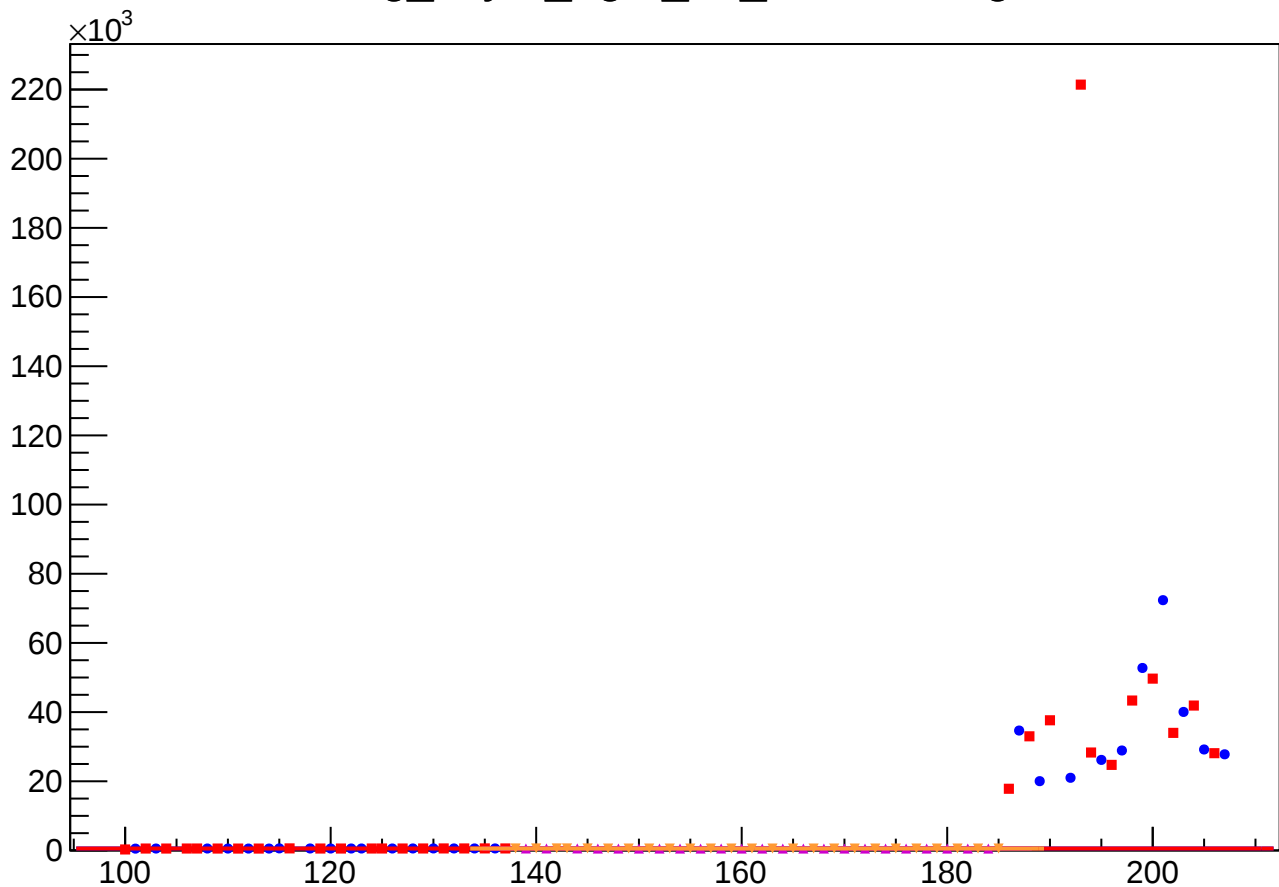
Left In: -1189.481+/-133.313 χ^2/NDF : 32.2/22

+ sign 1154.470+/-111.652 χ^2/NDF : 33.8/51

All: 21.797+/-79.189 χ^2/NDF : 296.4/103

- sign -1124.711+/-112.332 χ^2/NDF : 55.4/51

reg_asym_right_dd_rms vs Slug



Right In: 569.154+/-0.155 χ^2/NDF : 5666908.3/26

Left Out: 558.099+/-0.092 χ^2/NDF :14785.2/24

Right Out: 558.678+/-0.148 χ^2/NDF : 5570968.7/29

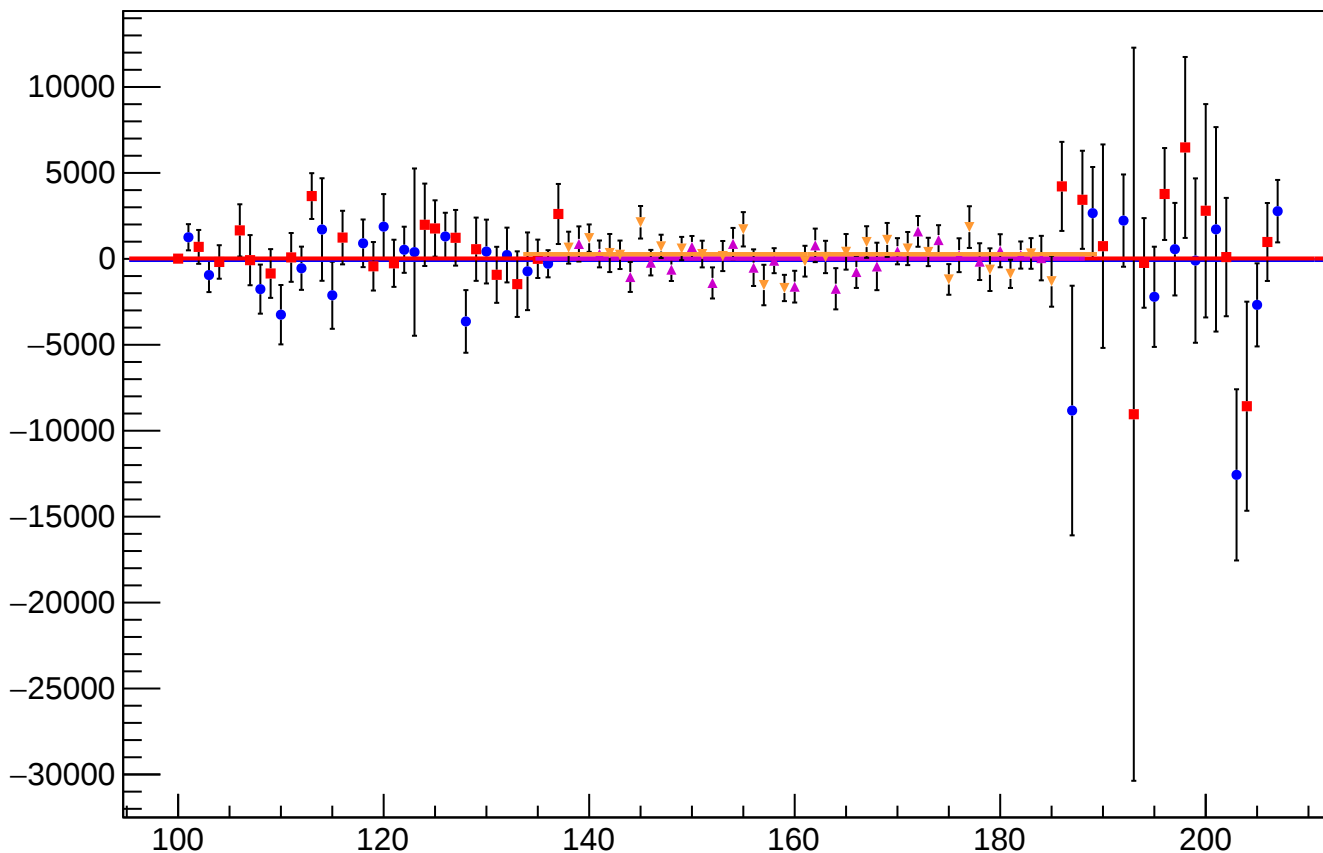
Left In: 557.597+/-0.094 χ^2/NDF :11276.8/22

+ sign 560.977+/-0.079 χ^2/NDF : 5685468.8/51

All: 559.453+/-0.056 χ^2/NDF : 11268502.3/10

- sign 557.910+/-0.079 χ^2/NDF : 5582283.6/52

asym_right_dd_correction_mean vs Slug



Right In: -67.477 ± 309.897 χ^2/NDF : 30.9/26

Left Out: 281.402 ± 180.478 χ^2/NDF : 26.8/24

Right Out: 22.806 ± 38.927 χ^2/NDF : 26.0/29

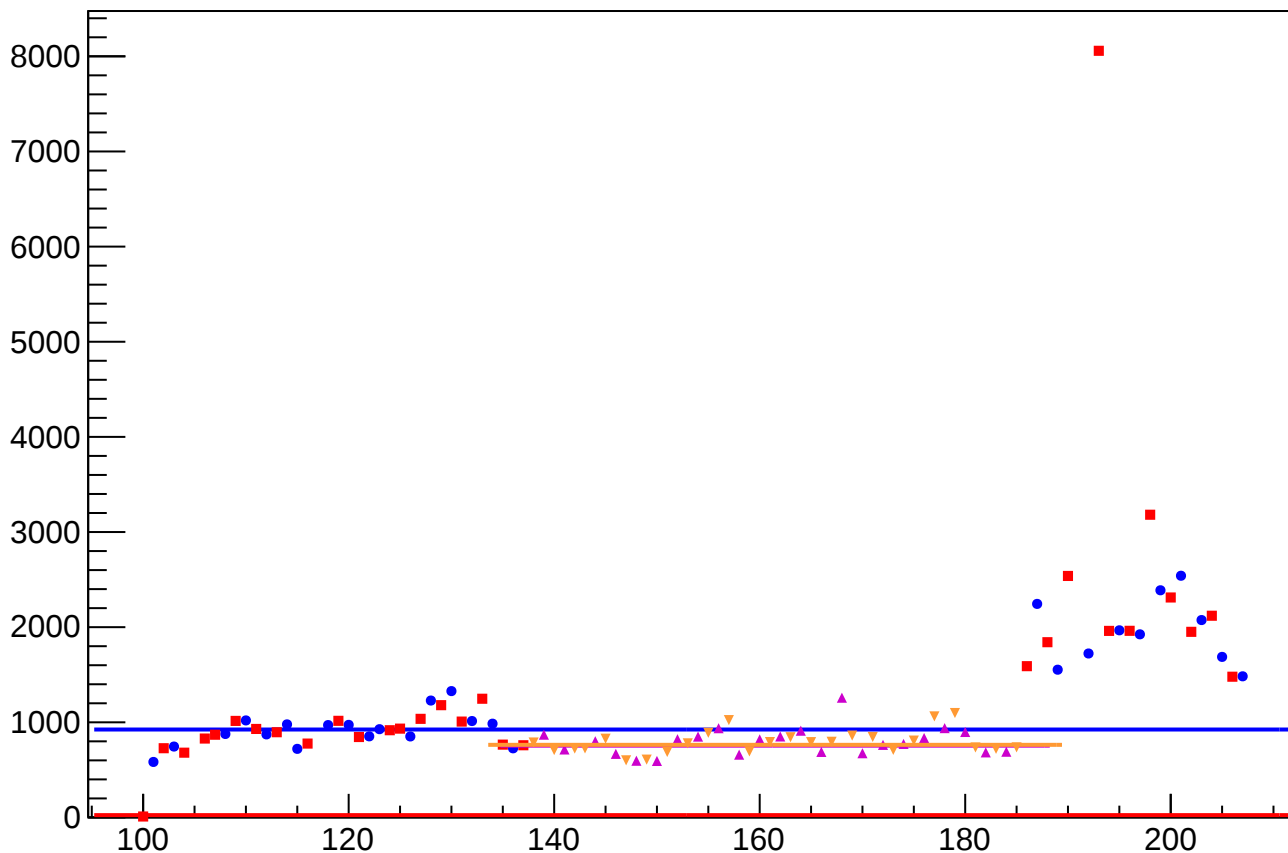
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 193.042 ± 155.958 χ^2/NDF : 58.6/51

All: 31.753 ± 36.992 χ^2/NDF : 105.9/104

- sign 22.138 ± 38.079 χ^2/NDF : 46.1/52

asym_right_dd_correction_rms vs Slug



Right In: 924.265+/-0.219 χ^2/NDF : 2512924.2/26

Left Out: 763.307+/-0.128 χ^2/NDF : 753728.9/24

Right Out: 24.468+/-0.028 χ^2/NDF : 20506278.2/29

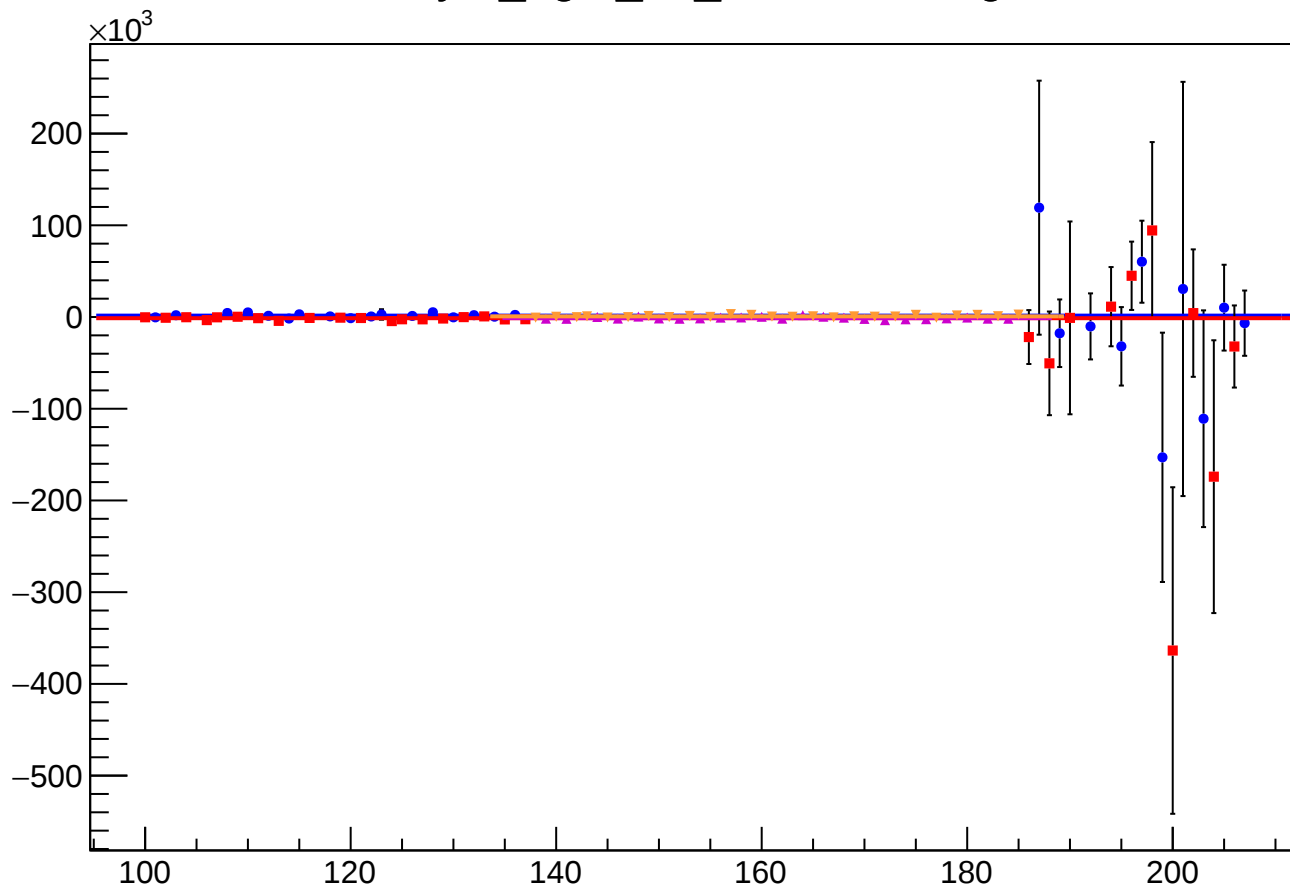
Left In: 754.483+/-0.130 χ^2/NDF : 931536.8/22

+ sign 804.072+/-0.110 χ^2/NDF : 3669546.6/51

All: 98.006+/-0.026 χ^2/NDF : 98842833.8/104

- sign 55.913+/-0.027 χ^2/NDF : 51736699.7/52

asym_right_dd_mean vs Slug



Right In: 1515.533 $\pm$ 402.760 χ^2 /NDF: 23.5/26

Left Out: 742.825 $\pm$ 225.658 χ^2 /NDF: 20.2/24

Right Out: -1290.696 $\pm$ 376.580 χ^2 /NDF: 22.2/28

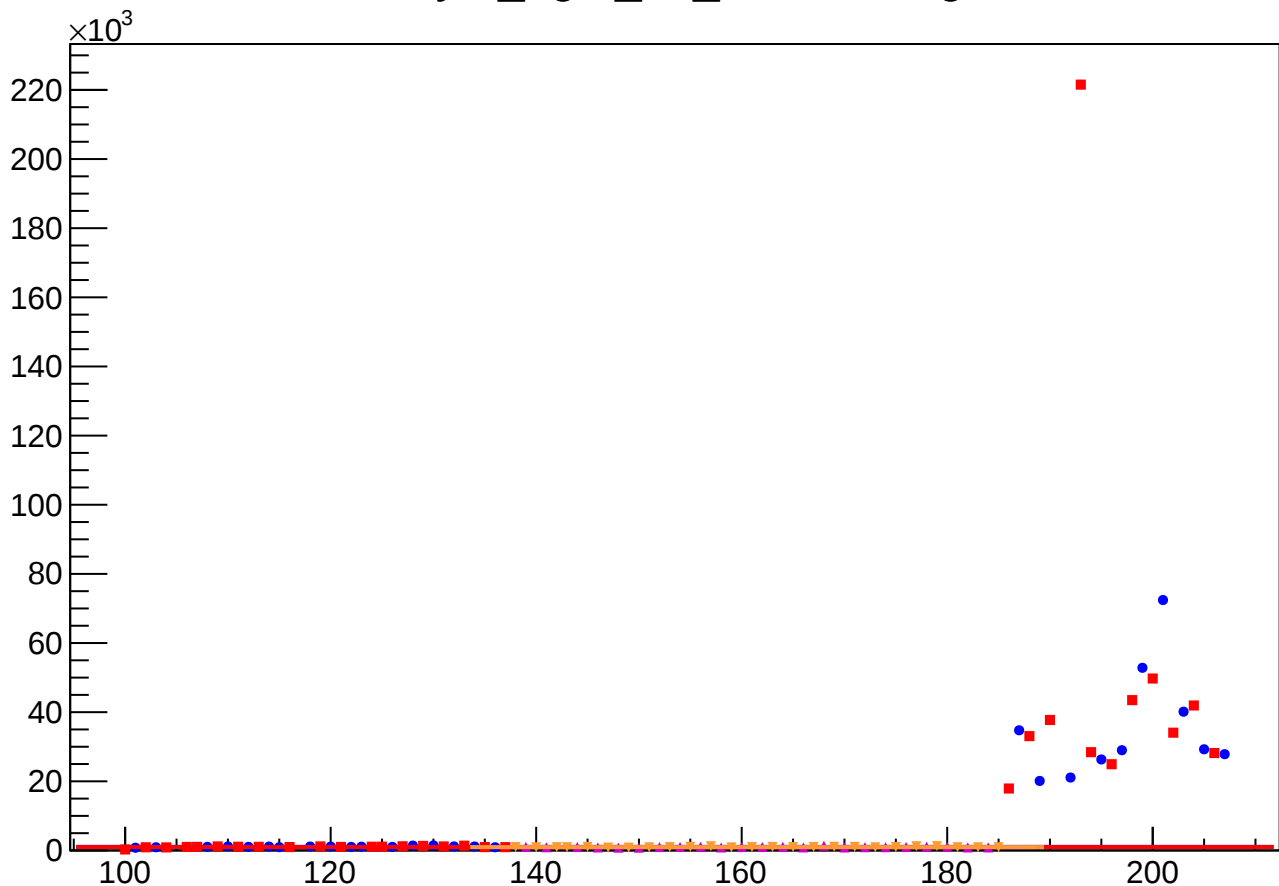
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

+ sign 927.436 $\pm$ 196.864 χ^2 /NDF: 46.6/51

All: -142.361 $\pm$ 139.049 χ^2 /NDF: 152.0/103

- sign -1207.416 $\pm$ 196.428 χ^2 /NDF: 46.5/51

asym_right_dd_rms vs Slug



Right In: 1039.107 $\pm$ 0.285 χ^2 /NDF: 5804269.7/26

Left Out: 962.776 $\pm$ 0.160 χ^2 /NDF:362837.8/24

Right Out: 977.630 $\pm$ 0.266 χ^2 /NDF: 6354710.1/29

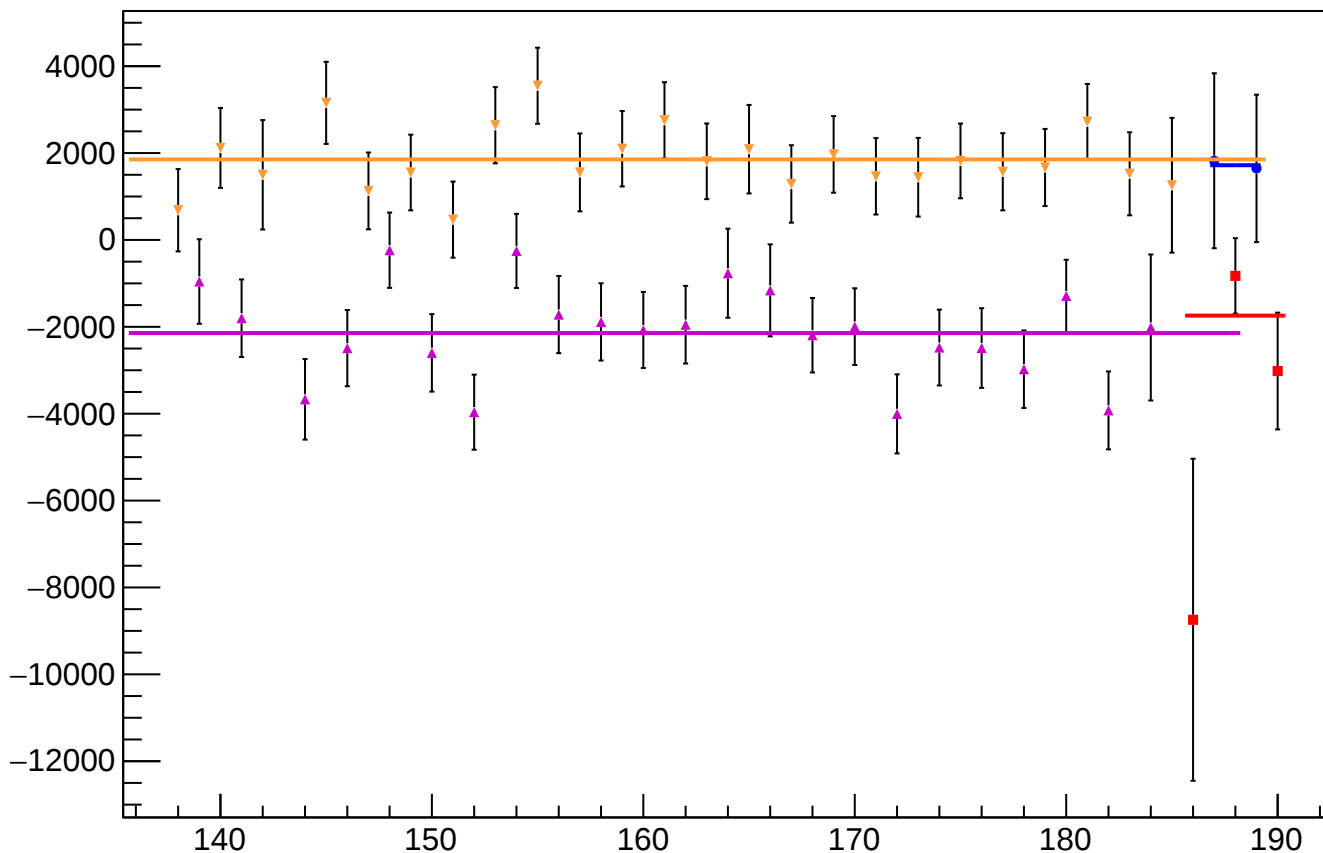
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF:443068.5/22

+ sign 981.013 $\pm$ 0.139 χ^2 /NDF: 6221780.4/51

All: 971.184 $\pm$ 0.098 χ^2 /NDF: 13034613.8/10

- sign 961.398 $\pm$ 0.139 χ^2 /NDF: 6802883.3/52

cor_asym_us_avg_mean vs Slug



Right In: 1720.097 $\pm$ 1297.686 χ^2 /NDF: 0.0/1

Left Out: 1852.926 $\pm$ 187.412 χ^2 /NDF:15.0/23

Right Out: -1742.386 $\pm$ 715.276 χ^2 /NDF: 5.6/2

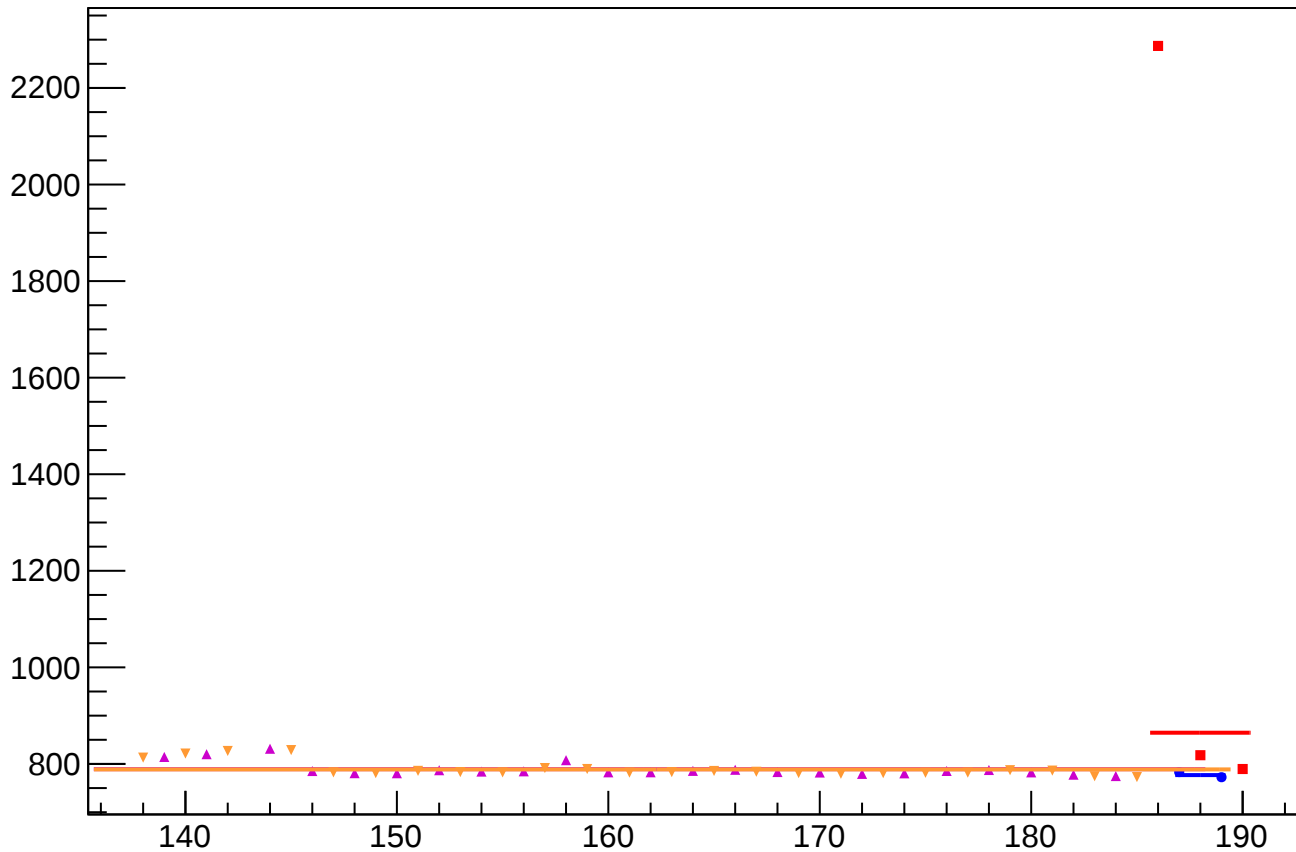
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ sign 1850.213 $\pm$ 185.488 χ^2 /NDF: 15.0/25

All: -151.835 $\pm$ 130.545 χ^2 /NDF: 284.1/51

- sign -2116.795 $\pm$ 183.762 χ^2 /NDF: 38.2/25

cor_asym_us_avg_rms vs Slug



Right In: 776.892 ± 0.918 χ^2/NDF : 32.5/1

Left Out: 788.658 ± 0.133 χ^2/NDF : 11499.7/23

Right Out: 864.658 ± 0.506 χ^2/NDF : 306489.7/2

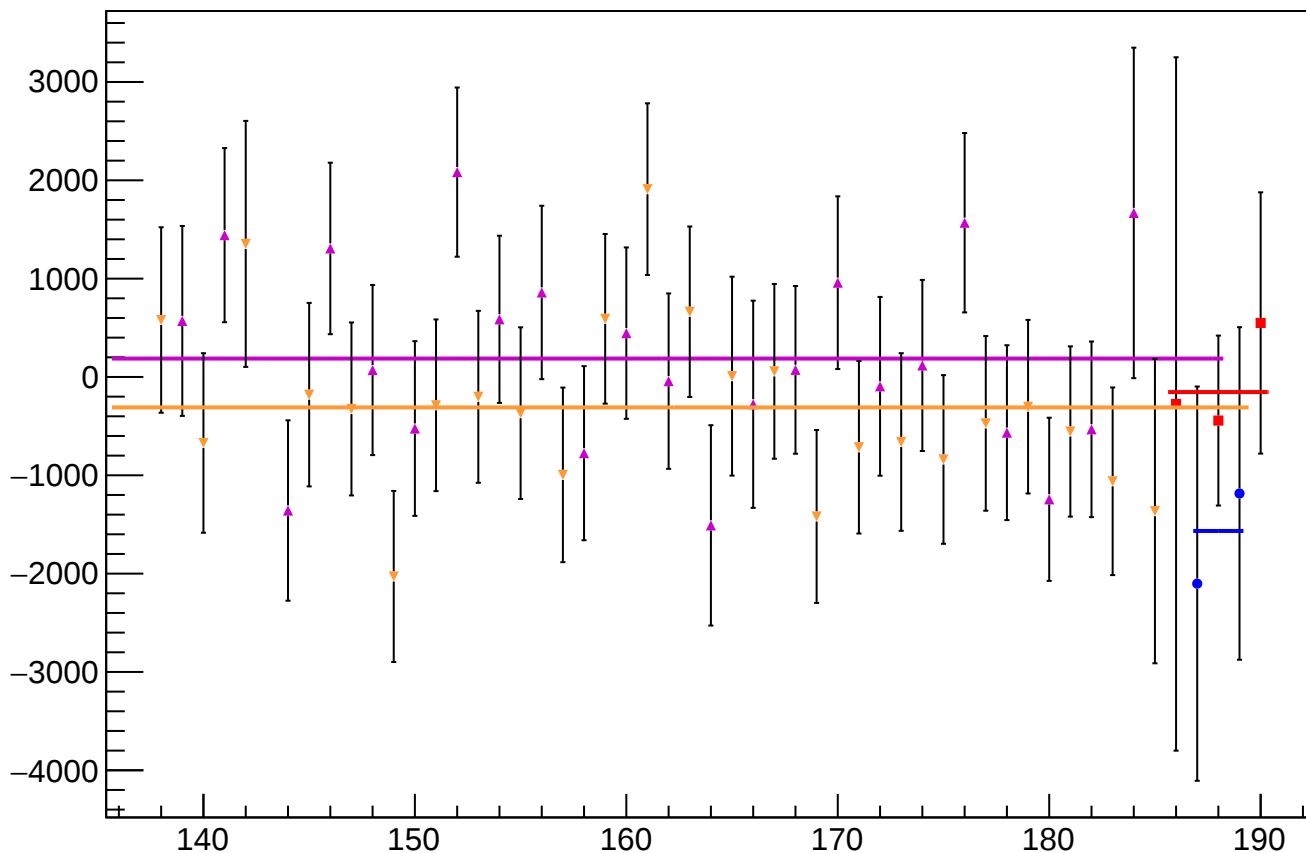
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

+ sign 788.418 ± 0.131 χ^2/NDF : 11693.3/25

All: 791.315 ± 0.092 χ^2/NDF : 350812.6/51

- sign 794.158 ± 0.130 χ^2/NDF : 338152.4/25

cor_asym_us_dd_mean vs Slug



Right In: -1566.105 ± 1292.689 χ^2/NDF : 0.1/1

Left Out: -309.656 ± 186.542 χ^2/NDF : 20.0/23

Right Out: -153.360 ± 709.634 χ^2/NDF : 0.4/2

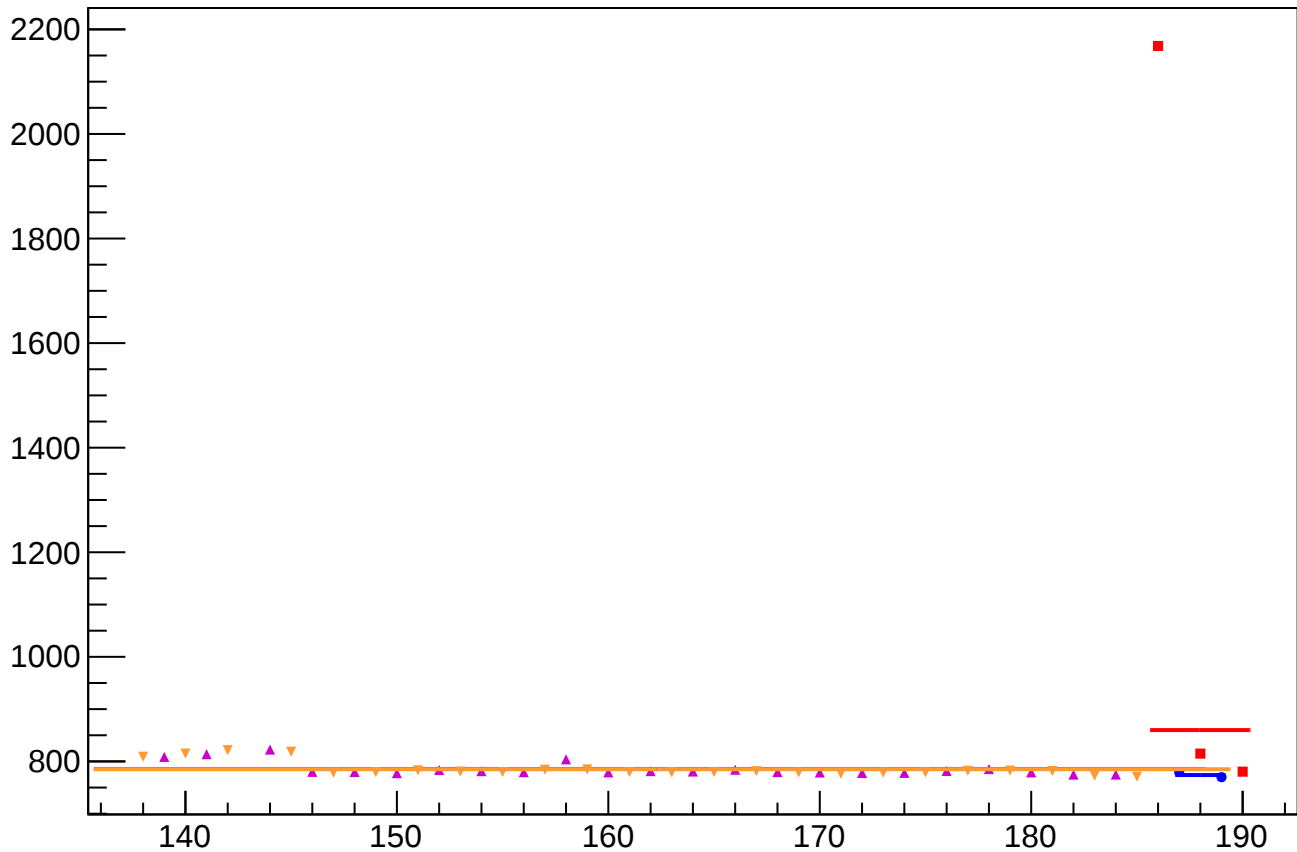
Left In: 187.105 ± 189.265 χ^2/NDF : 25.6/22

+ sign -335.286 ± 184.630 χ^2/NDF : 21.0/25

All: -83.007 ± 129.927 χ^2/NDF : 50.9/51

- sign 164.494 ± 182.873 χ^2/NDF : 26.2/25

cor_asym_us_dd_rms vs Slug



Right In: 773.922 ± 0.914 χ^2/NDF : 27.7/1

Left Out: 785.050 ± 0.132 χ^2/NDF : 9365.3/23

Right Out: 859.900 ± 0.502 χ^2/NDF : 287948.2/2

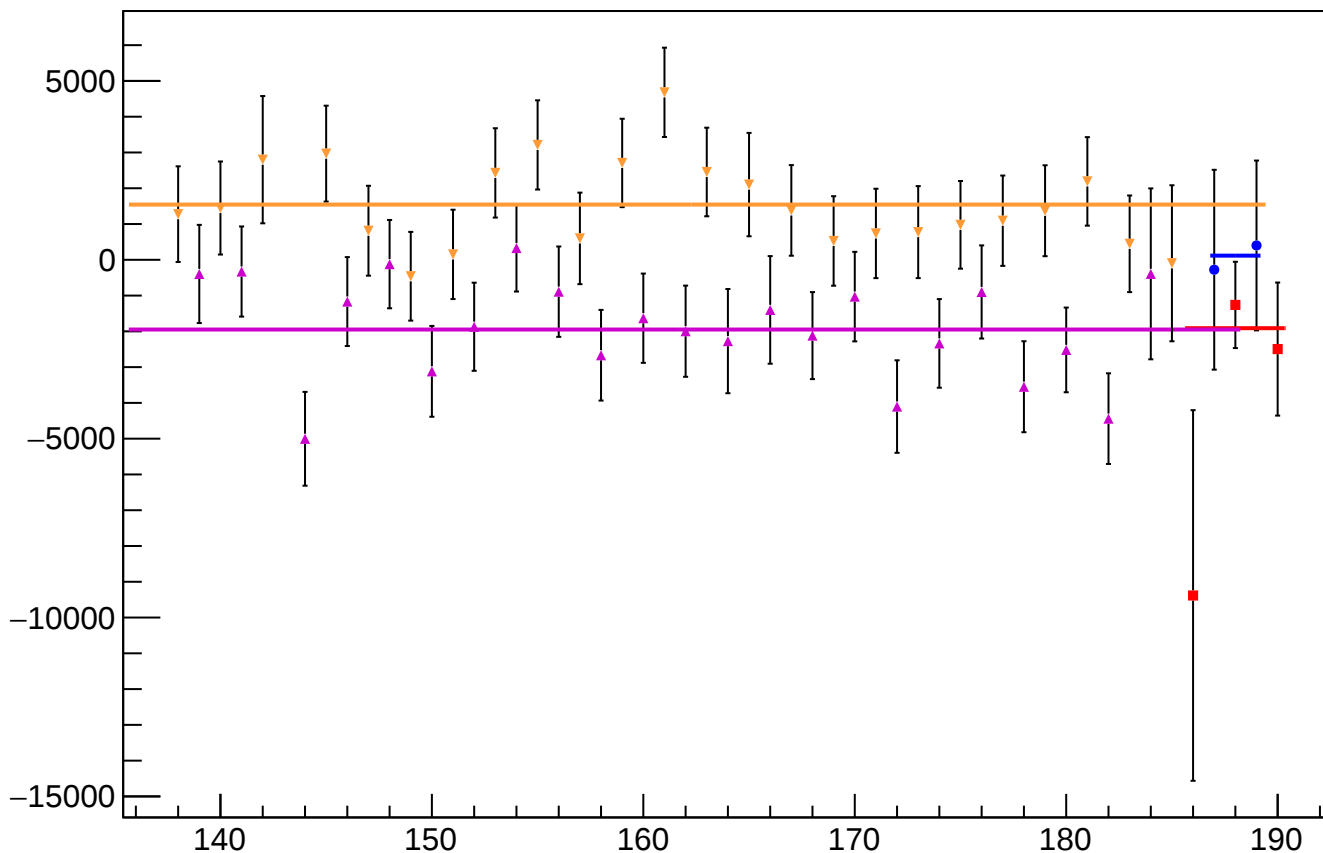
Left In: 785.562 ± 0.134 χ^2/NDF : 9033.0/22

+ sign 784.823 ± 0.131 χ^2/NDF : 9538.2/25

All: 787.688 ± 0.092 χ^2/NDF : 327963.5/51

- sign 790.499 ± 0.129 χ^2/NDF : 317471.3/25

cor_asym_usl_mean vs Slug



Right In: 116.401 ± 1808.672 χ^2/NDF : 0.0/1

Left Out: 1543.729 ± 266.278 χ^2/NDF : 19.9/23

Right Out: -1911.693 ± 993.236 χ^2/NDF : 2.5/2

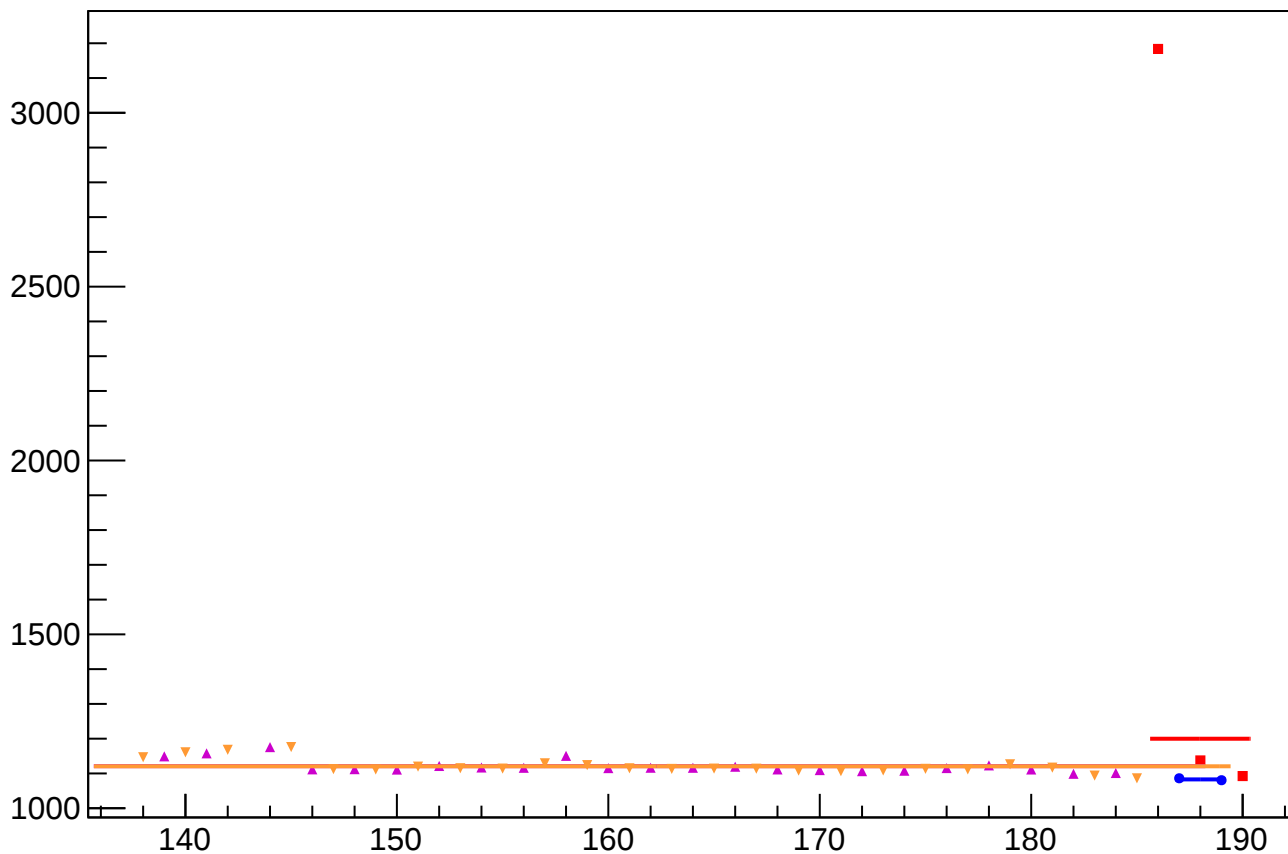
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ sign 1513.448 ± 263.439 χ^2/NDF : 20.6/25

All: -235.158 ± 185.274 χ^2/NDF : 137.0/51

- sign -1946.503 ± 260.617 χ^2/NDF : 29.2/25

cor_asym_usl_rms vs Slug



Right In: 1082.866 $\pm$ 1.279 χ^2 /NDF: 4.6/1

Left Out: 1120.578 $\pm$ 0.188 χ^2 /NDF: 10264.0/23

Right Out: 1199.844 $\pm$ 0.702 χ^2 /NDF: 305356.1/2

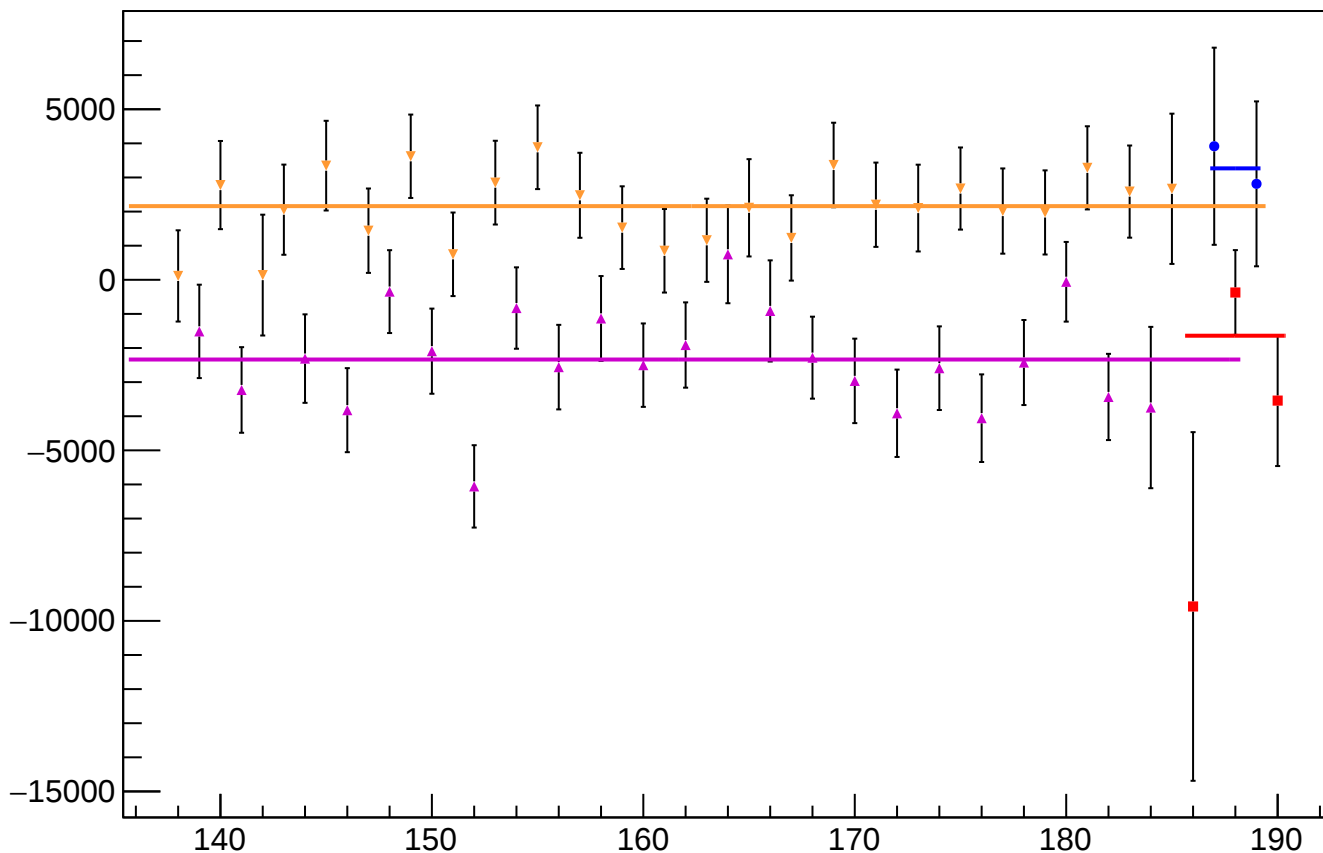
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

+ sign 1119.778 $\pm$ 0.186 χ^2 /NDF: 11119.7/25

All: 1123.129 $\pm$ 0.131 χ^2 /NDF: 338117.1/51

- sign 1126.407 $\pm$ 0.184 χ^2 /NDF: 326357.4/25

cor_asym_usr_mean vs Slug



Right In: 3266.922 $\pm$ 1854.338 χ^2 /NDF: 0.1/1

Left Out: 2159.879 $\pm$ 257.526 χ^2 /NDF:15.0/24

Right Out: -1639.449 $\pm$ 1022.123 χ^2 /NDF: 4.4/2

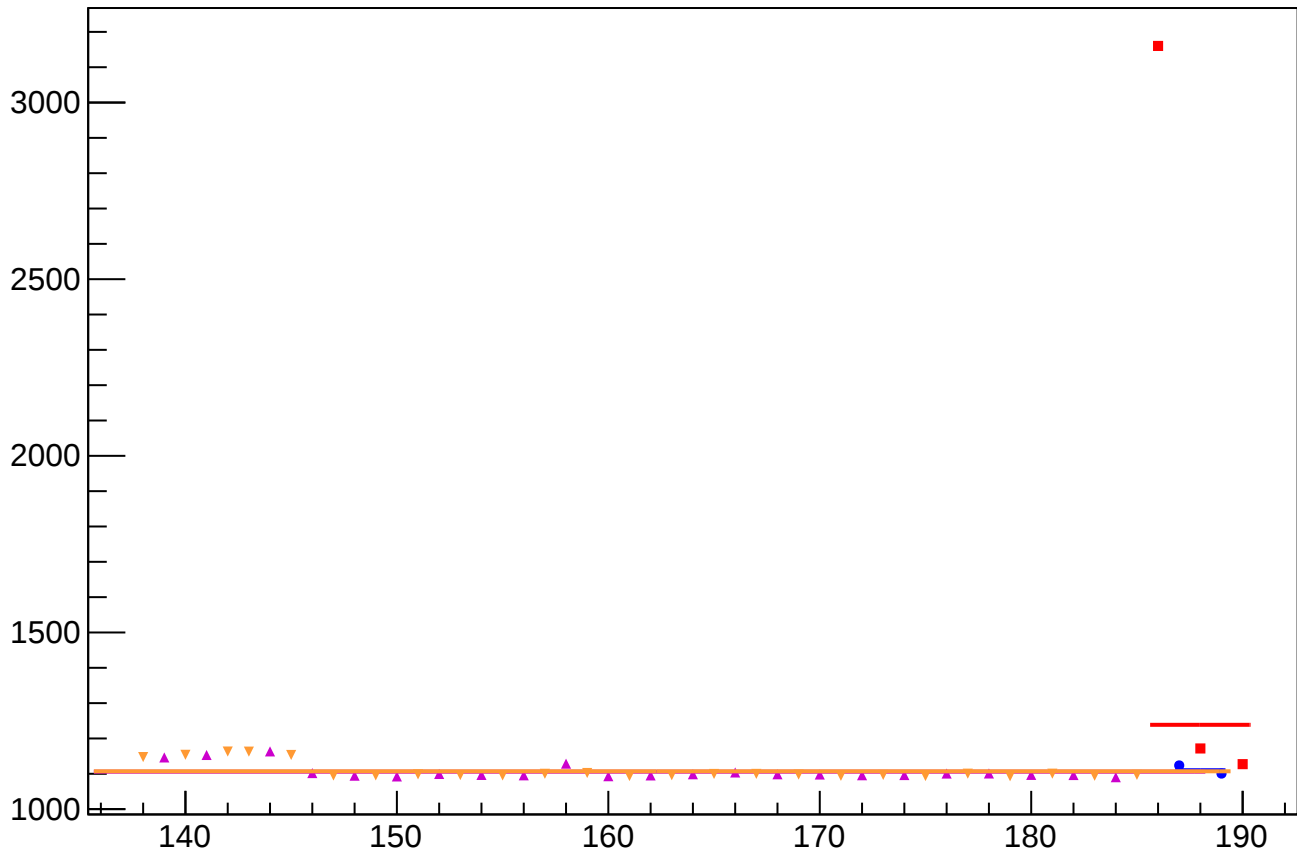
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

+ sign 2180.827 $\pm$ 255.078 χ^2 /NDF: 15.4/26

All: -31.822 $\pm$ 181.339 χ^2 /NDF: 203.7/52

- sign -2292.825 $\pm$ 257.850 χ^2 /NDF: 36.2/25

cor_asym_usr_rms vs Slug



Right In: 1110.109 $\pm$ 1.311 χ^2 /NDF: 75.3/1

Left Out: 1107.091 $\pm$ 0.182 χ^2 /NDF: 15185.2/24

Right Out: 1238.637 $\pm$ 0.723 χ^2 /NDF: 295245.1/2

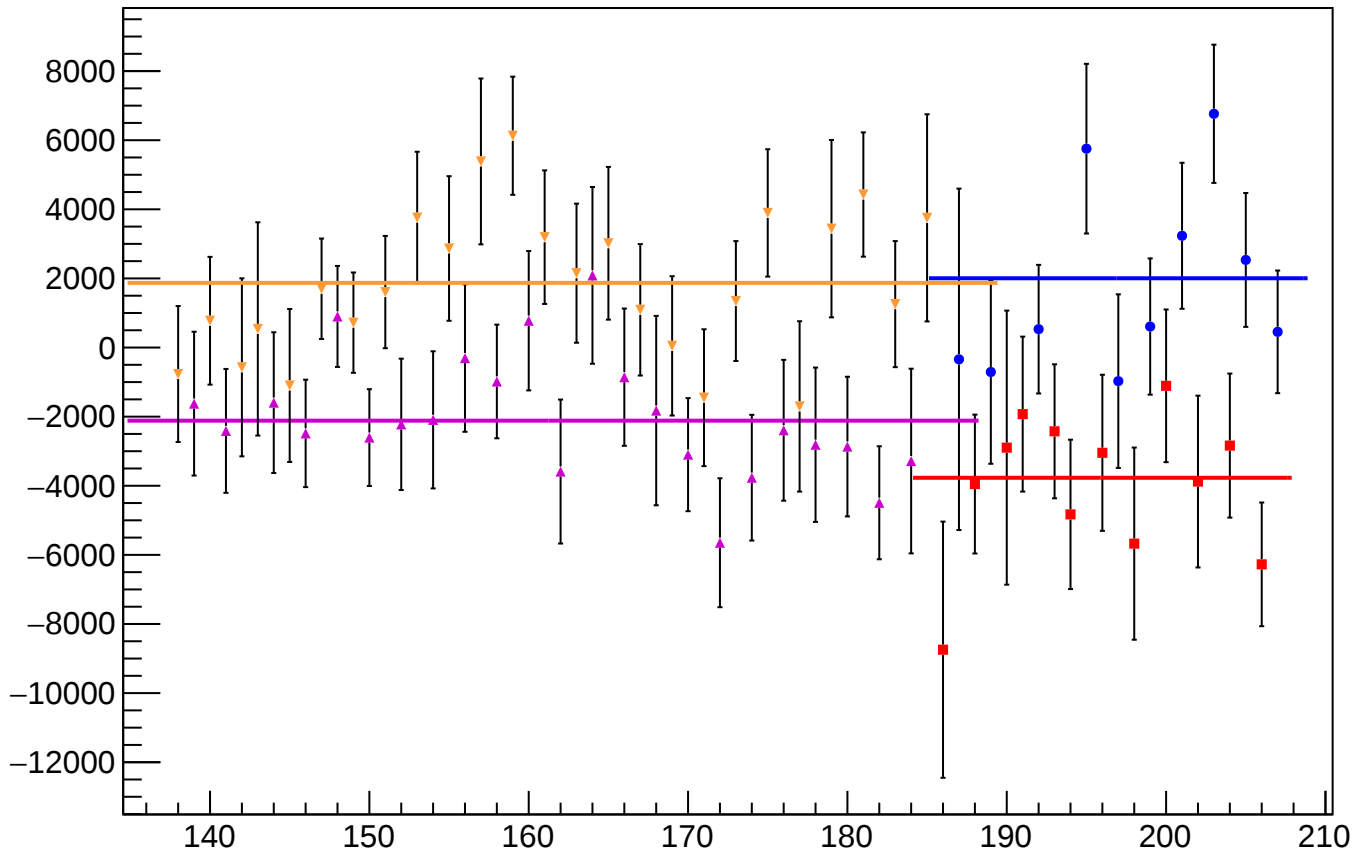
Left In: 1105.955 $\pm$ 0.188 χ^2 /NDF: 11111.3/22

+ sign 1107.148 $\pm$ 0.180 χ^2 /NDF: 15265.7/26

All: 1110.735 $\pm$ 0.128 χ^2 /NDF: 353978.0/52

- sign 1114.399 $\pm$ 0.182 χ^2 /NDF: 337913.0/25

asym_us_agg_avg_mean vs Slug



Right In: 2004.334 $\pm$ 688.242 χ^2 /NDF: 13.0/9

Left Out: 1871.638 $\pm$ 391.684 χ^2 /NDF:26.1/24

Right Out: -3768.708 $\pm$ 659.748 χ^2 /NDF: 7.4/11

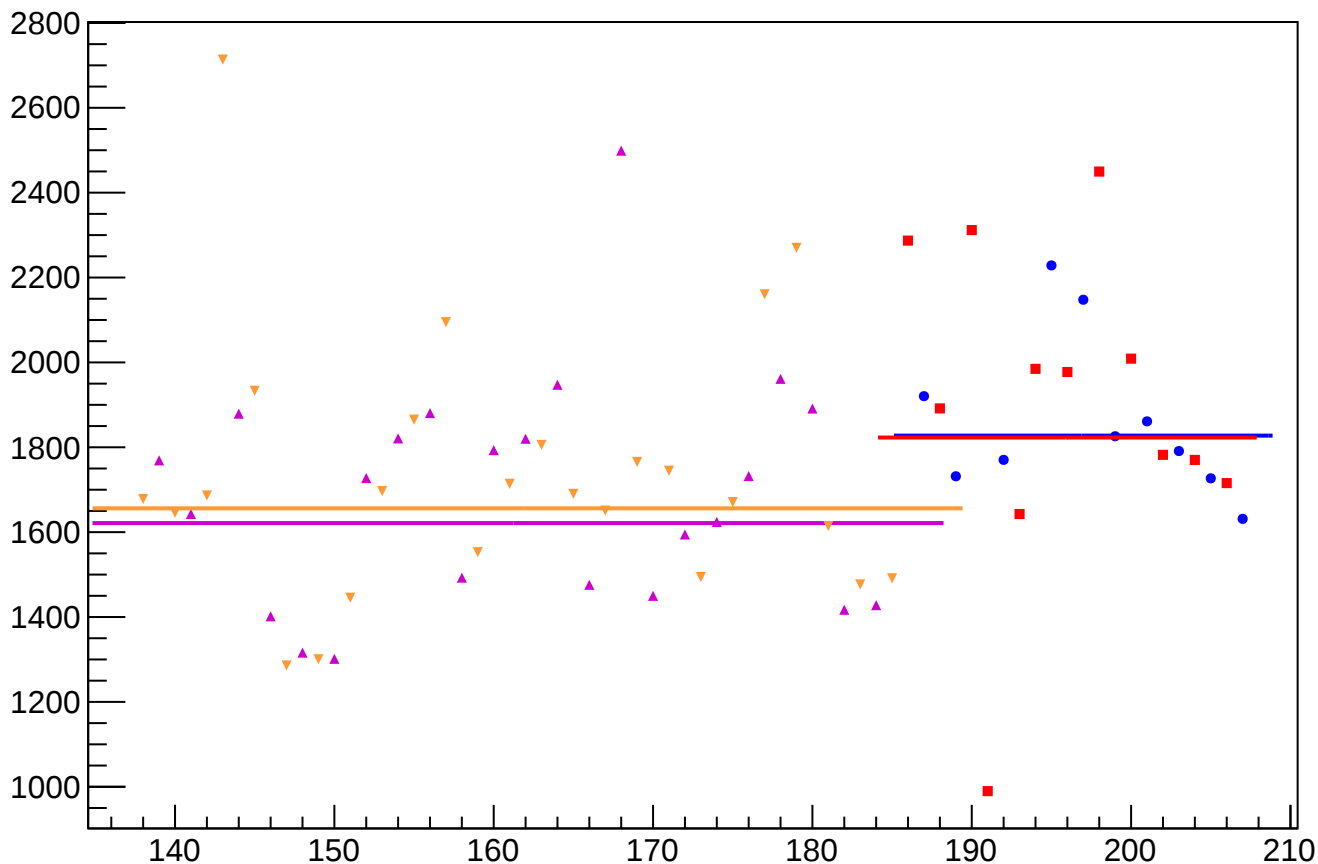
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1904.102 $\pm$ 340.416 χ^2 /NDF: 39.1/34

All: -340.687 $\pm$ 239.721 χ^2 /NDF: 156.2/69

- sign -2548.929 $\pm$ 337.634 χ^2 /NDF: 30.9/34

asym_us_agg_avg_rms vs Slug



Right In: 1827.473+/-0.487 χ^2/NDF : 122059.4/9

Left Out: 1656.119+/-0.277 χ^2/NDF : 910573.4/24

Right Out: 1822.986+/-0.467 χ^2/NDF : 502848.0/11

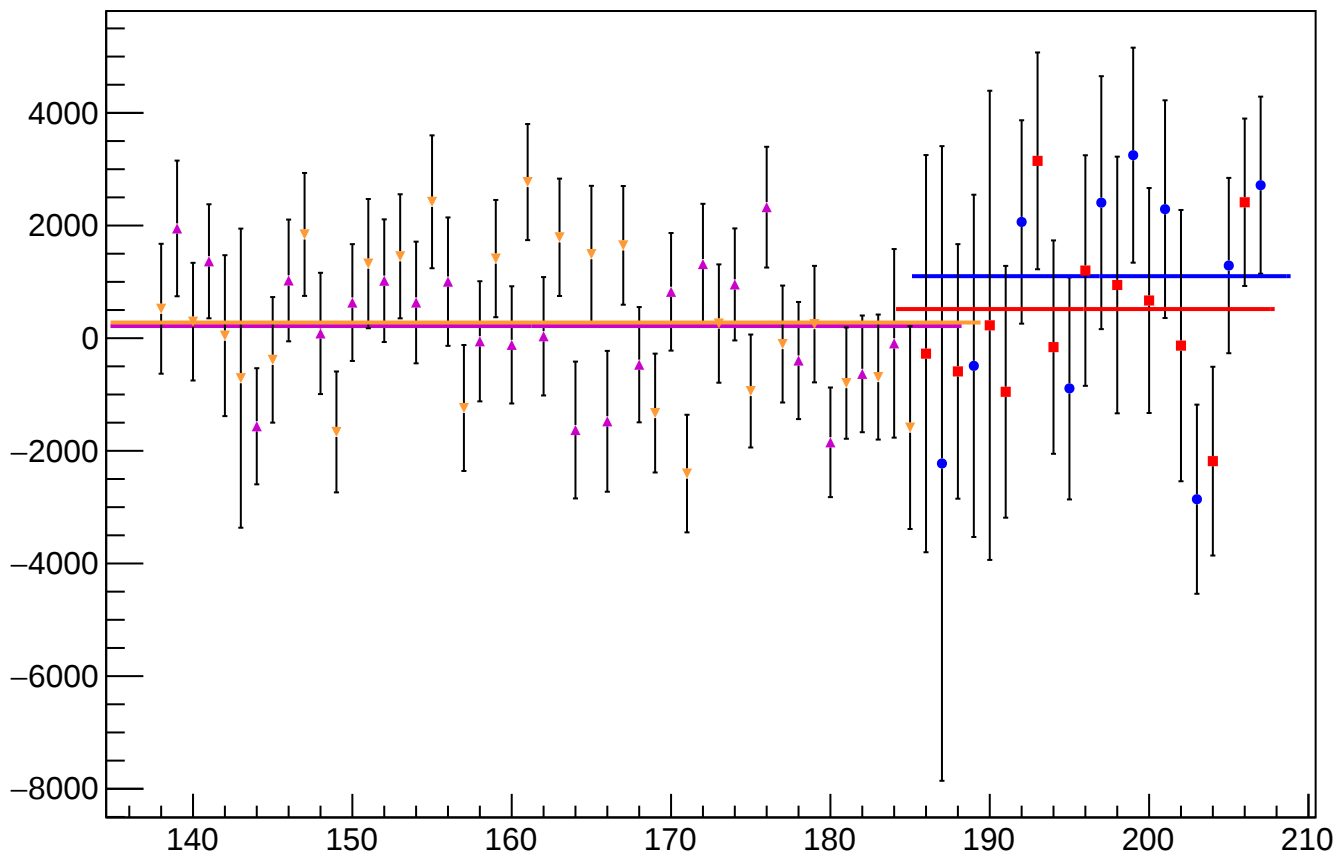
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1698.040+/-0.241 χ^2/NDF : 1126278.3/34

All: 1686.026+/-0.170 χ^2/NDF : 2547173.7/69

- sign 1674.208+/-0.239 χ^2/NDF : 1415953.7/34

asym_us_agg_dd_mean vs Slug



Right In: 1100.970 ± 618.239 χ^2/NDF : 10.5/9

Left Out: 278.090 ± 223.581 χ^2/NDF : 38.4/24

Right Out: 517.032 ± 603.459 χ^2/NDF : 7.2/11

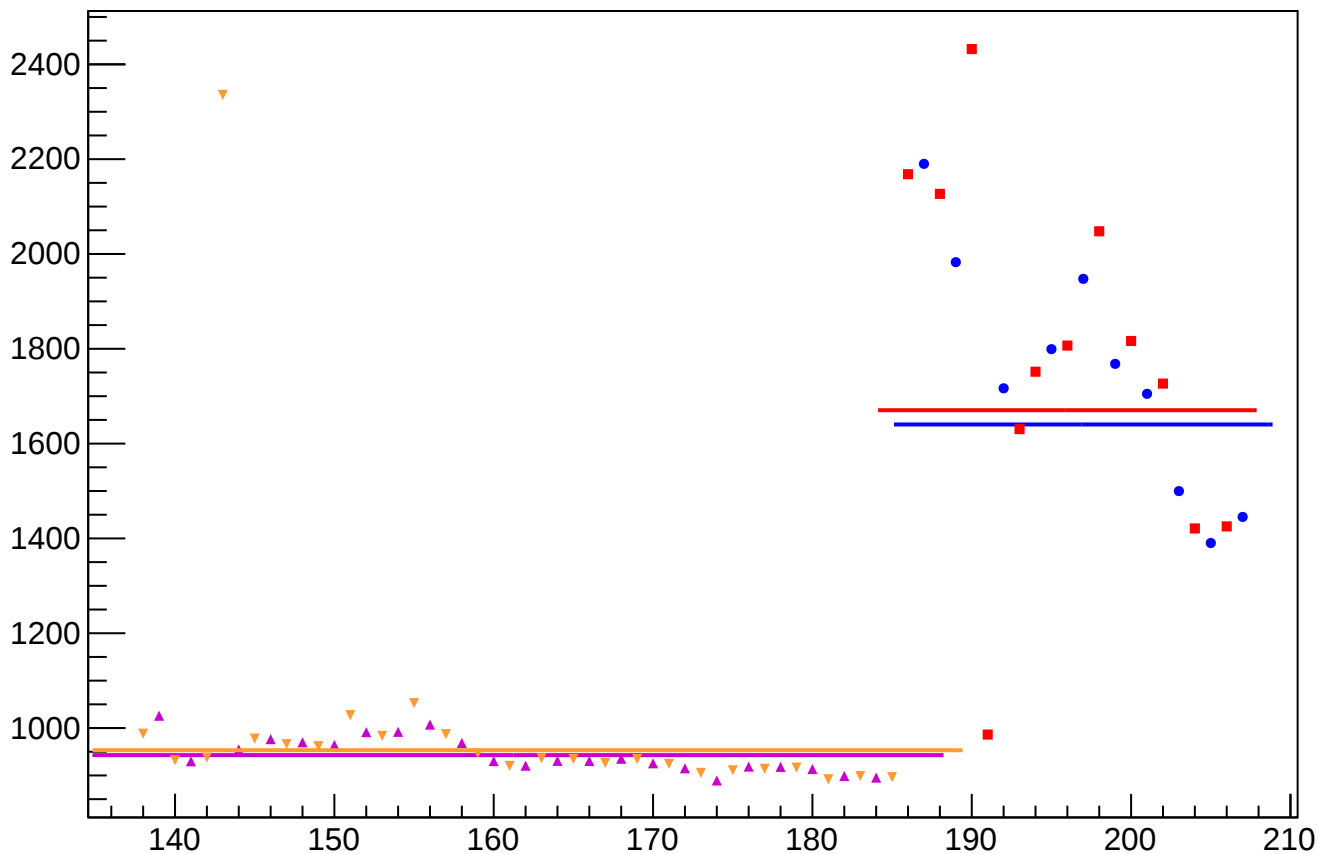
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 373.263 ± 210.254 χ^2/NDF : 50.5/34

All: 313.444 ± 149.046 χ^2/NDF : 82.5/69

- sign 253.019 ± 211.316 χ^2/NDF : 31.8/34

asym_us_agg_dd_rms vs Slug



Right In: 1640.373 $\pm$ 0.437 χ^2 /NDF: 206049.0/9

Left Out: 953.221 $\pm$ 0.158 χ^2 /NDF: 606273.1/24

Right Out: 1670.460 $\pm$ 0.427 χ^2 /NDF: 554495.3/11

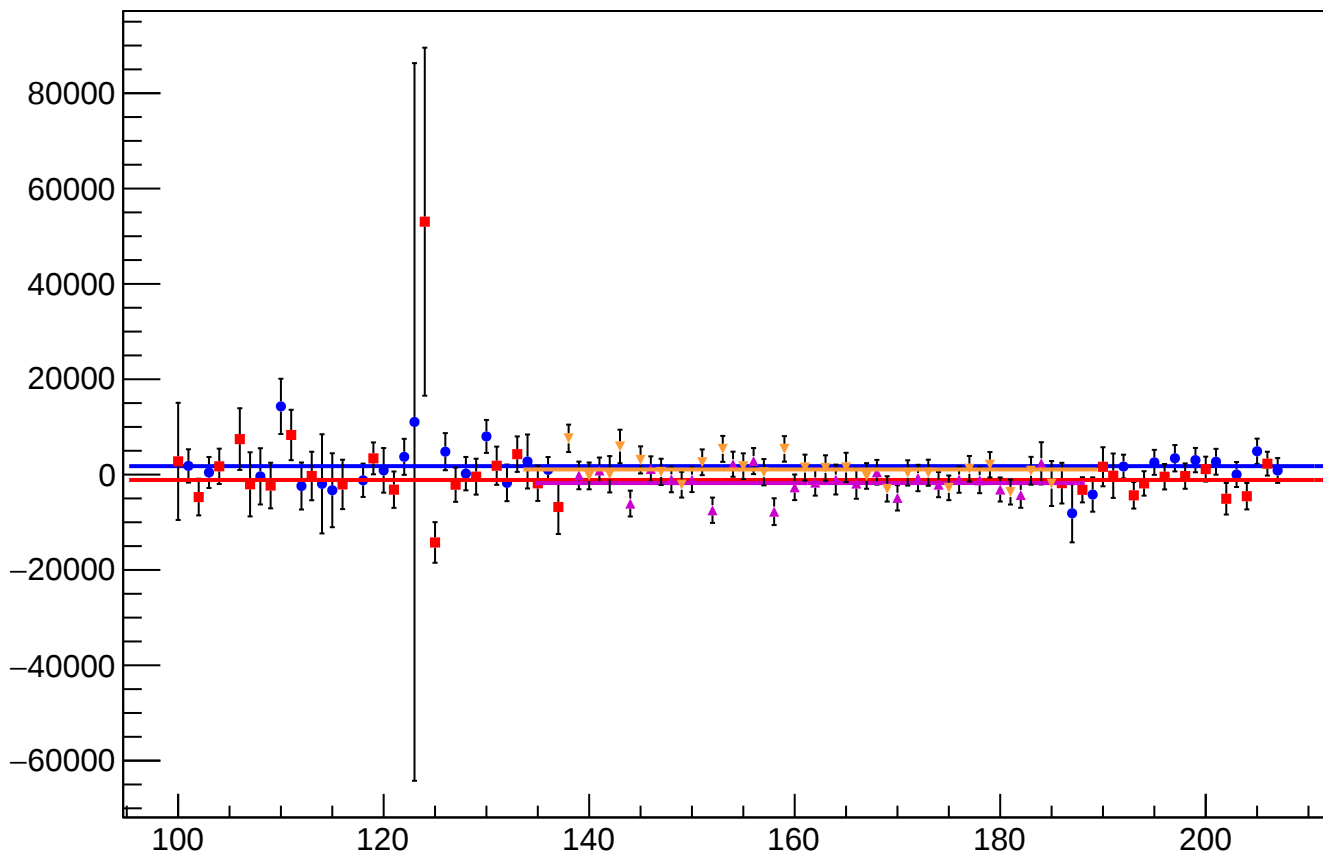
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 1032.696 $\pm$ 0.149 χ^2 /NDF: 2997279.1/34

All: 1032.419 $\pm$ 0.105 χ^2 /NDF: 6150699.2/69

- sign 1032.139 $\pm$ 0.149 χ^2 /NDF: 3153413.2/34

reg_asym_atl1_mean vs Slug



Right In: 1773.659 $\pm$ 668.841 χ^2/NDF : 20.4/26

Left Out: 1078.054 $\pm$ 564.005 χ^2/NDF : 23.6/24

Right Out: -1126.282 $\pm$ 653.147 χ^2/NDF : 32.5/30

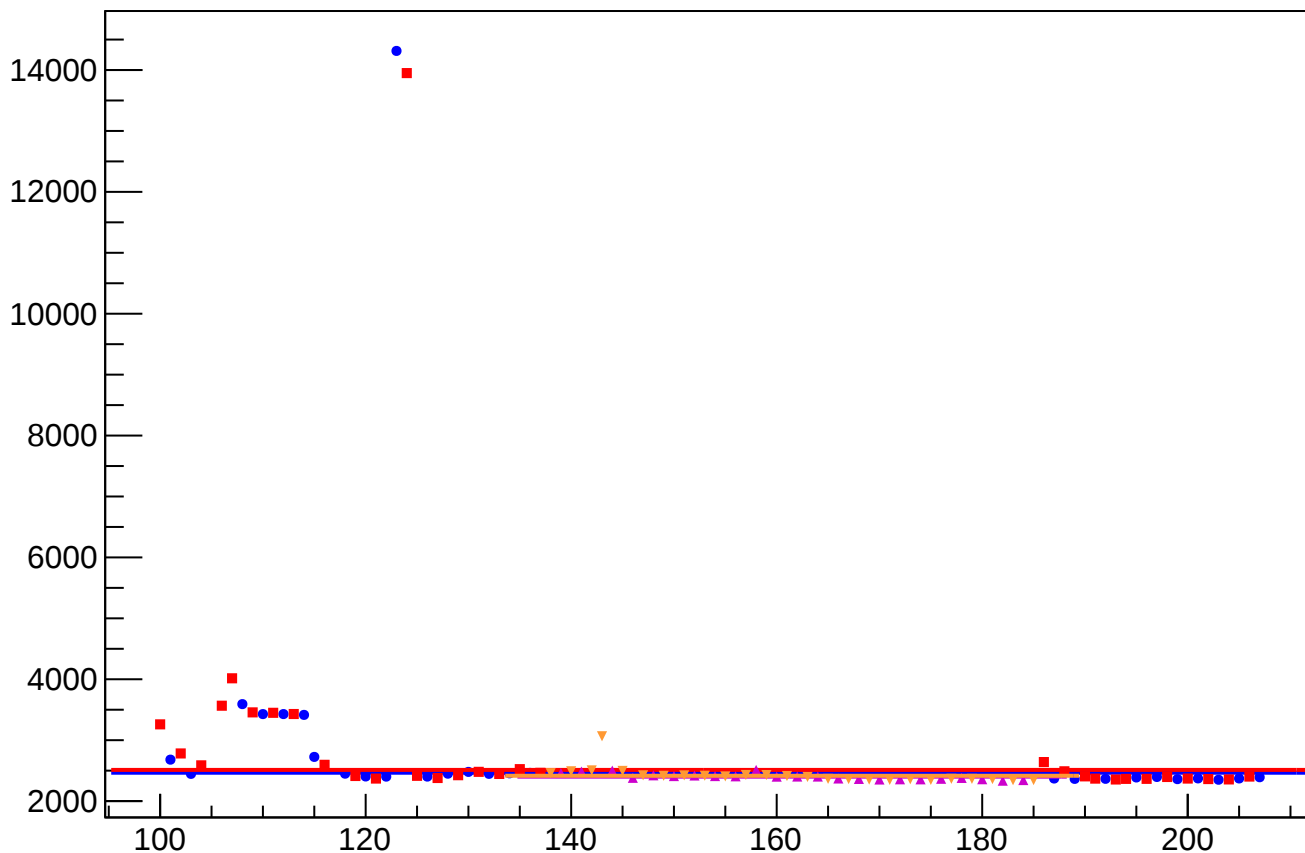
Left In: -1777.100 $\pm$ 575.895 χ^2/NDF : 24.1/22

+ sign 1367.130 $\pm$ 431.169 χ^2/NDF : 44.6/51

All: -60.024 $\pm$ 305.163 χ^2/NDF : 123.7/105

- sign -1492.437 $\pm$ 431.963 χ^2/NDF : 57.1/53

reg_asym_atl1_rms vs Slug



Right In: 2465.889+/-0.473 χ^2/NDF : 304058.2/26

Left Out: 2416.019+/-0.399 χ^2/NDF : 82636.1/24

Right Out: 2512.040+/-0.462 χ^2/NDF : 632089.8/30

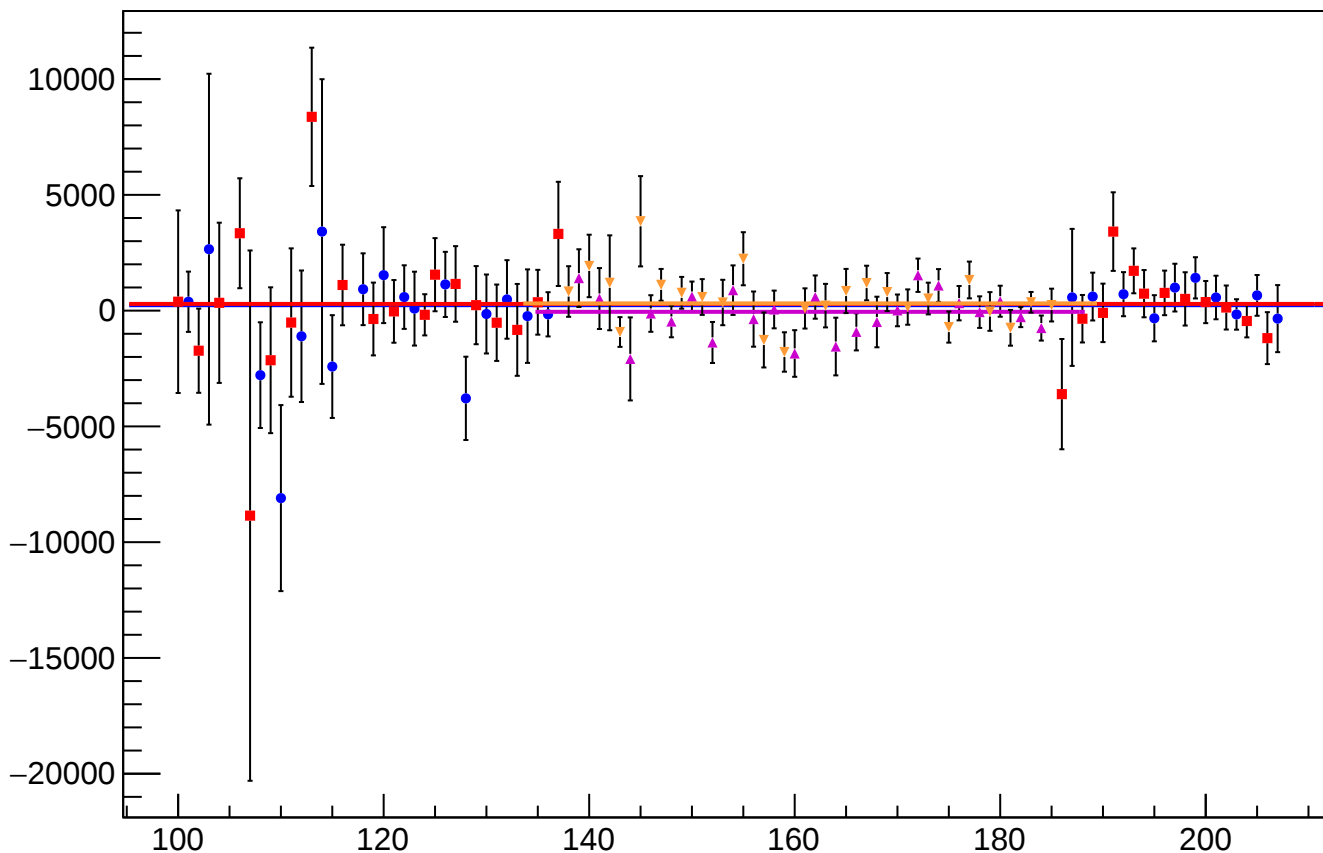
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2436.744+/-0.305 χ^2/NDF : 393192.3/51

All: 2443.263+/-0.216 χ^2/NDF : 1072221.1/10

- sign 2449.805+/-0.305 χ^2/NDF : 678112.8/53

asym_atl1_correction_mean vs Slug



Right In: 235.455 $\pm$ 248.415 χ^2 /NDF: 18.3/26

Left Out: 310.873 $\pm$ 160.650 χ^2 /NDF:29.7/24

Right Out: 289.882 $\pm$ 242.442 χ^2 /NDF: 27.6/30

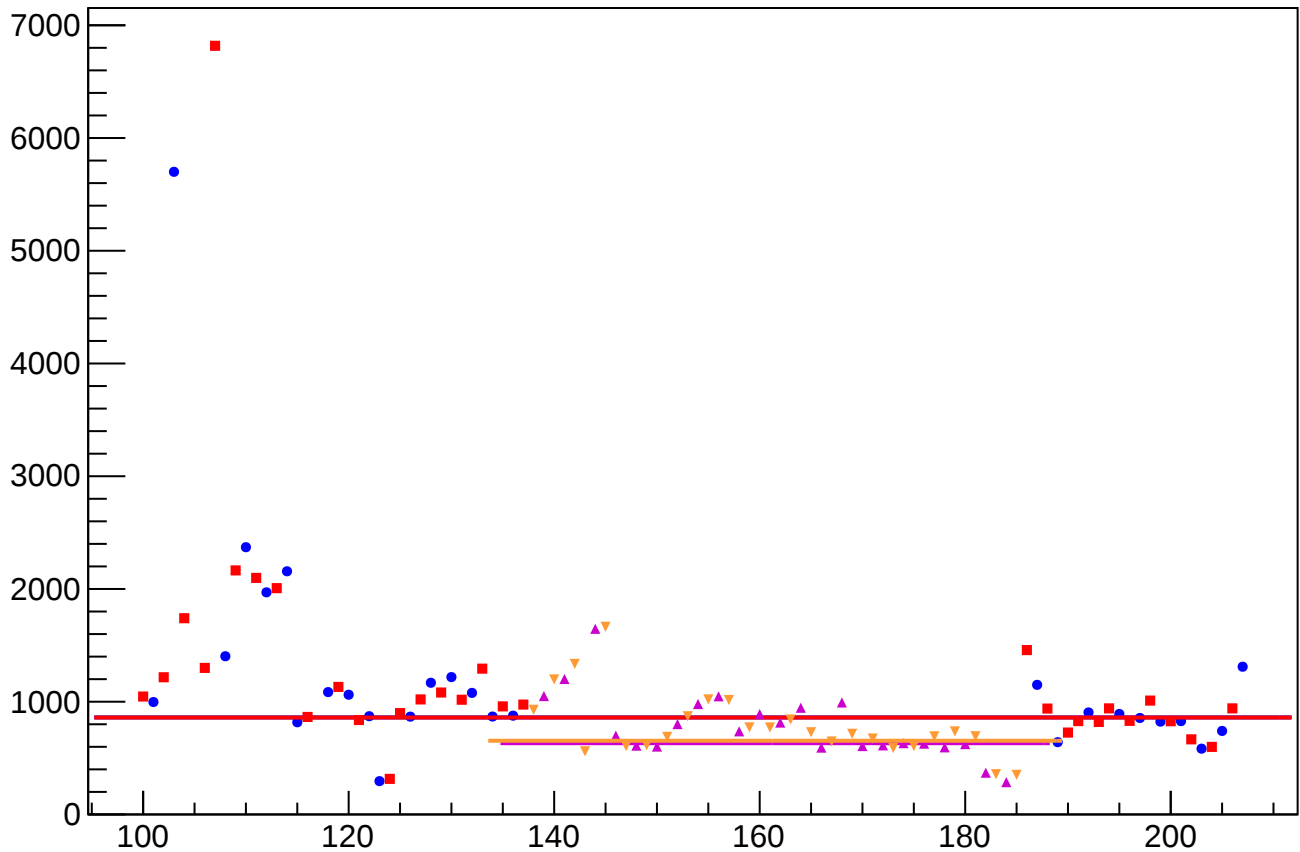
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF:23.8/22

+ sign 288.633 $\pm$ 134.899 χ^2 /NDF: 48.1/51

All: 170.850 $\pm$ 95.264 χ^2 /NDF: 102.4/105

- sign 53.678 $\pm$ 134.549 χ^2 /NDF: 52.8/53

asym_atl1_correction_rms vs Slug



Right In: 860.579 ± 0.176 χ^2/NDF : 2815440.9/26

Left Out: 653.803 ± 0.114 χ^2/NDF : 3254694.4/24

Right Out: 859.752 ± 0.171 χ^2/NDF : 3331877.4/30

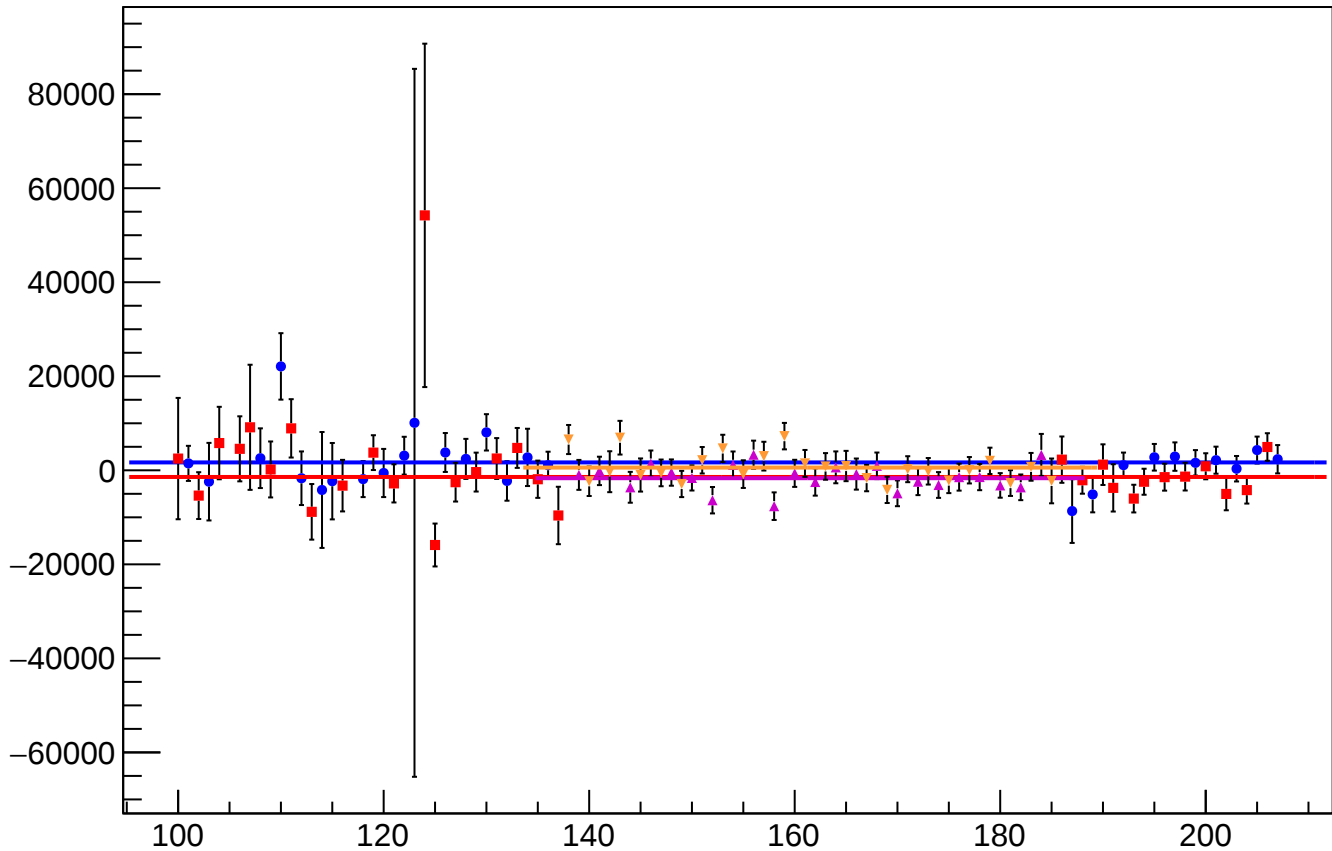
Left In: 632.053 ± 0.114 χ^2/NDF : 3942853.4/22

+ sign 714.779 ± 0.095 χ^2/NDF : 7047216.7/51

All: 708.465 ± 0.067 χ^2/NDF : 15551489.3/10

- sign 702.184 ± 0.095 χ^2/NDF : 8495532.5/53

asym_atl1_mean vs Slug



Right In: 1677.574 ± 739.418 χ^2/NDF : 21.6/26

Left Out: 580.879 ± 597.173 χ^2/NDF : 25.3/24

Right Out: -1417.065 ± 726.252 χ^2/NDF : 38.1/30

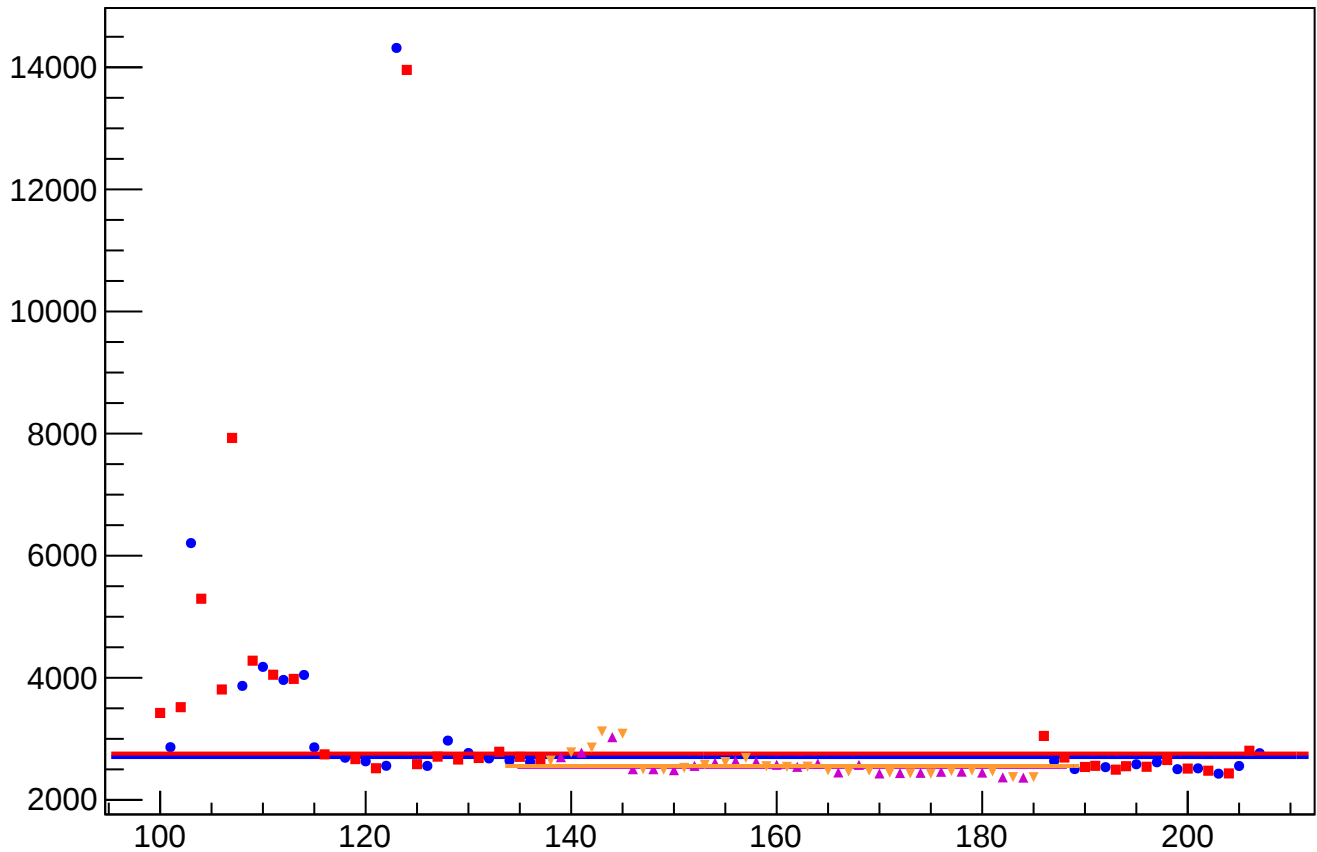
Left In: -1679.572 ± 610.111 χ^2/NDF : 18.2/22

+ sign 1013.819 ± 464.581 χ^2/NDF : 48.3/51

All: -271.455 ± 329.411 χ^2/NDF : 120.0/105

- sign -1570.962 ± 467.146 χ^2/NDF : 56.3/53

asym_atl1_rms vs Slug



Right In: 2701.867+/-0.523 χ^2/NDF : 769334.0/26

Left Out: 2555.279+/-0.422 χ^2/NDF : 154743.6/24

Right Out: 2758.933+/-0.514 χ^2/NDF : 1234221.4/30

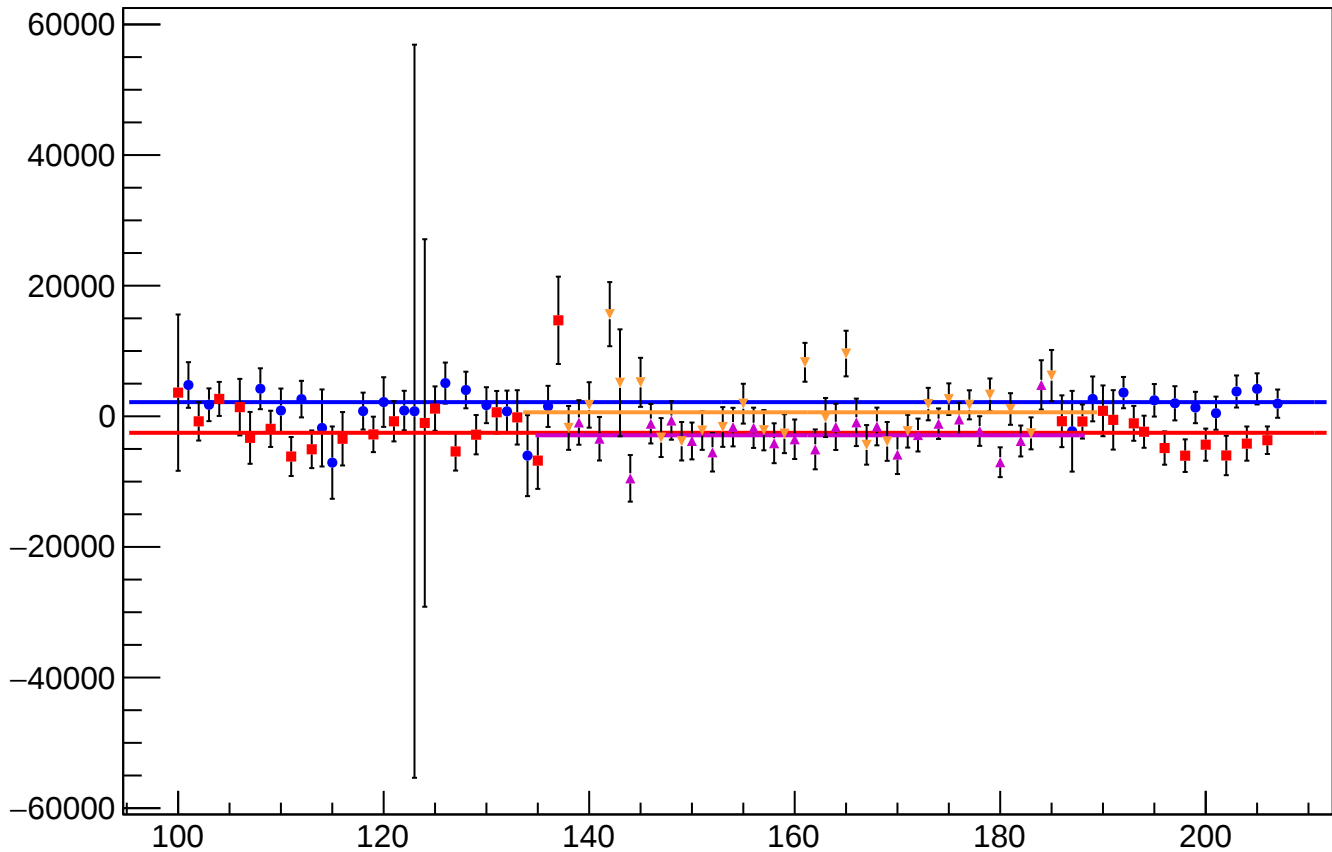
Left In: 2540.988+/-0.431 χ^2/NDF : 94756.7/22

+ sign 2613.147+/-0.329 χ^2/NDF : 971651.1/51

All: 2622.105+/-0.233 χ^2/NDF : 2407718.4/10

- sign 2631.161+/-0.330 χ^2/NDF : 1434572.1/53

reg_asym_atl2_mean vs Slug



Right In: 2169.487 $\pm$ 578.537 χ^2 /NDF: 10.8/26

Left Out: 614.867 $\pm$ 591.148 χ^2 /NDF:45.2/24

Right Out: -2526.411 $\pm$ 560.540 χ^2 /NDF: 26.4/30

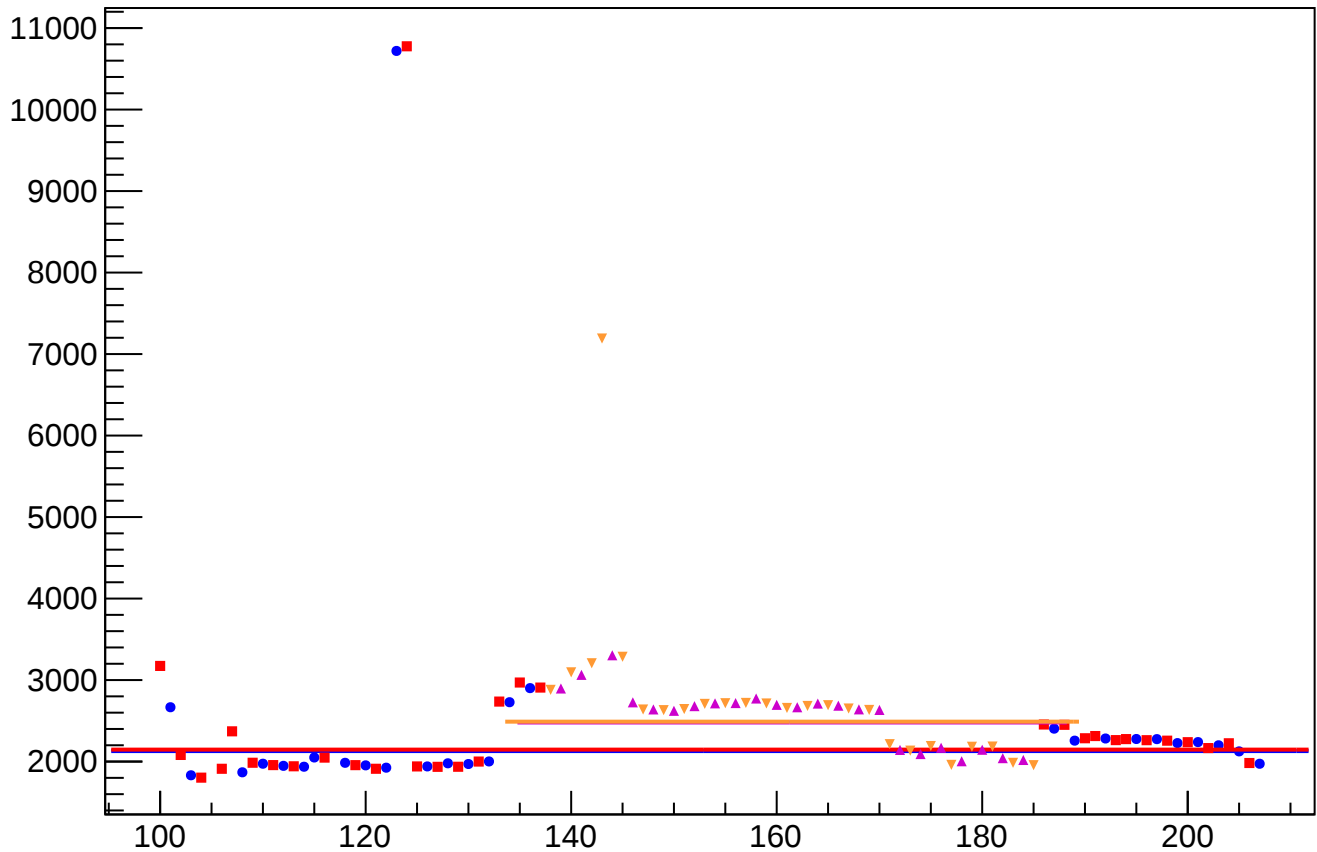
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF:17.4/22

+ sign 1408.935 $\pm$ 413.474 χ^2 /NDF: 59.6/51

All: -667.841 $\pm$ 290.954 χ^2 /NDF: 153.5/105

- sign -2704.866 $\pm$ 409.498 χ^2 /NDF: 44.0/53

reg_asym_atl2_rms vs Slug



Right In: 2128.531+/-0.409 χ^2/NDF : 379086.8/26

Left Out: 2489.577+/-0.418 χ^2/NDF :1364203.3/24

Right Out: 2146.520+/-0.396 χ^2/NDF : 547033.7/30

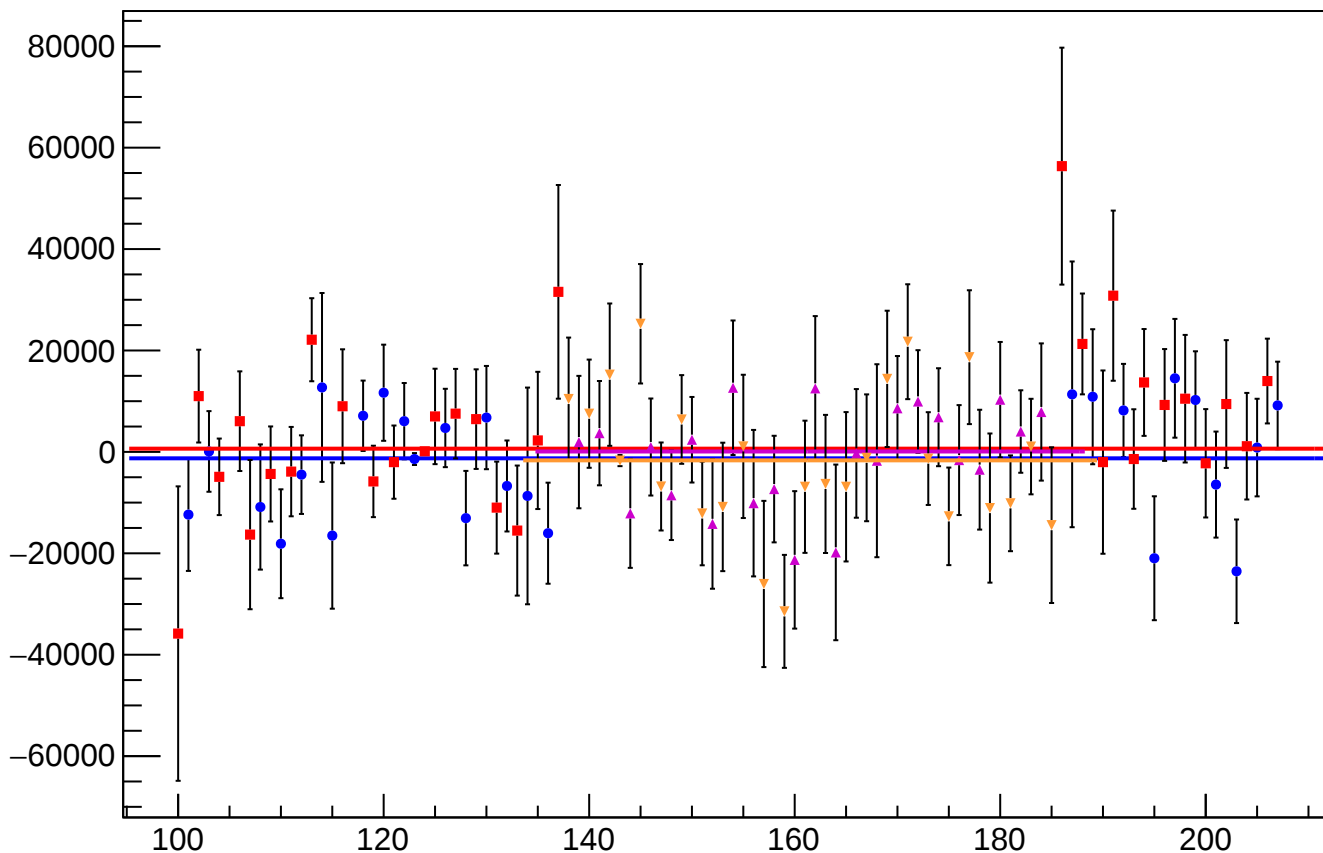
Left In: 2479.348+/-0.424 χ^2/NDF :668398.2/22

+ sign 2305.161+/-0.292 χ^2/NDF : 2124354.1/51

All: 2303.424+/-0.206 χ^2/NDF : 3668656.4/10

- sign 2301.720+/-0.290 χ^2/NDF : 1544232.4/53

asym_atl2_correction_mean vs Slug



Right In: -1267.673 ± 1007.183 χ^2/NDF : 30.2/26

Left Out: -1665.417 ± 993.060 χ^2/NDF : 32.4/24

Right Out: 638.159 ± 680.540 χ^2/NDF : 40.5/30

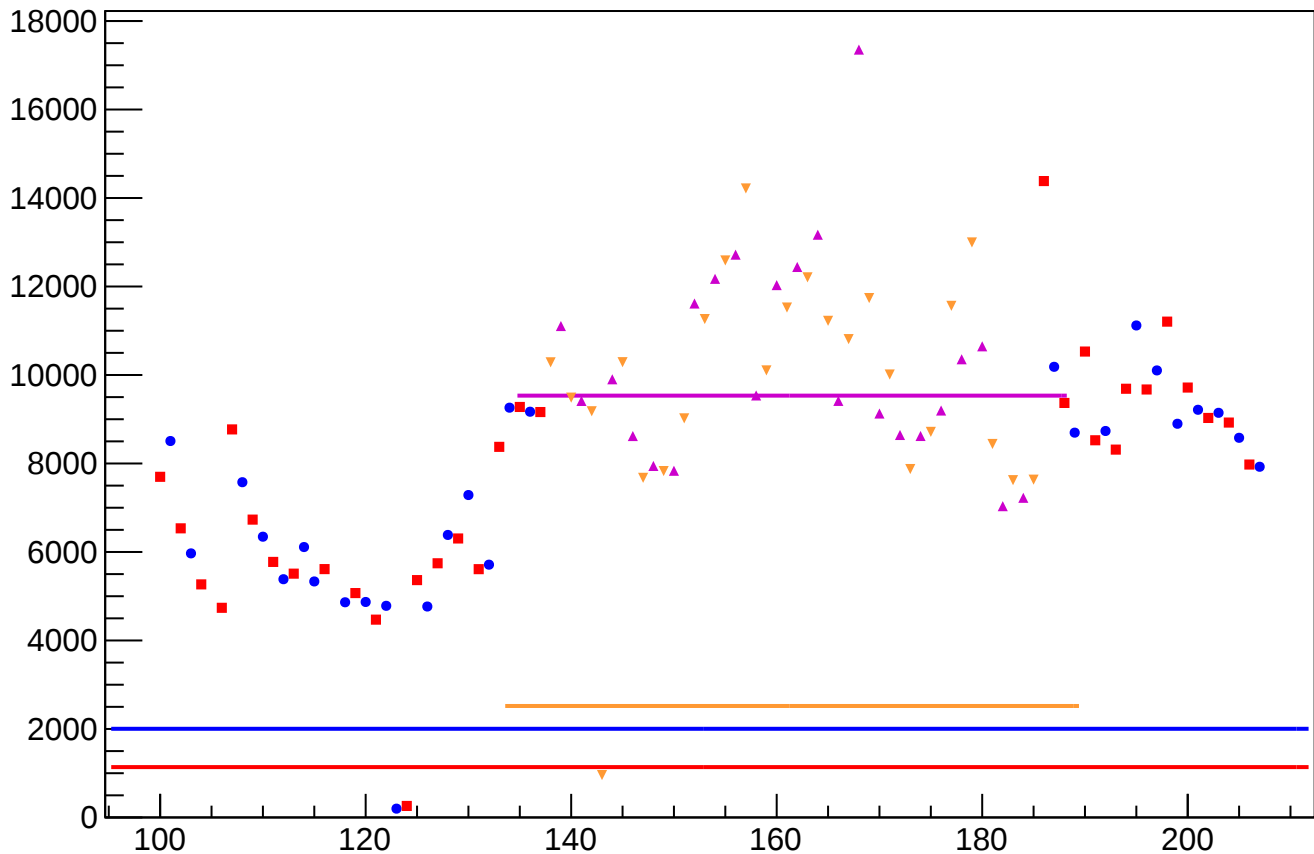
Left In: 80.274 ± 2331.531 χ^2/NDF : 13.8/22

+ sign -1469.353 ± 707.140 χ^2/NDF : 62.7/51

All: -355.921 ± 479.851 χ^2/NDF : 121.6/105

- sign 594.360 ± 653.280 χ^2/NDF : 54.3/53

asym_atl2_correction_rms vs Slug



Right In: 2003.857+/-0.712 χ^2/NDF : 19534330.6/26

Left Out: 2519.359+/-0.702 χ^2/NDF : 23642118.3/24

Right Out: 1138.105+/-0.481 χ^2/NDF : 24253815.1/30

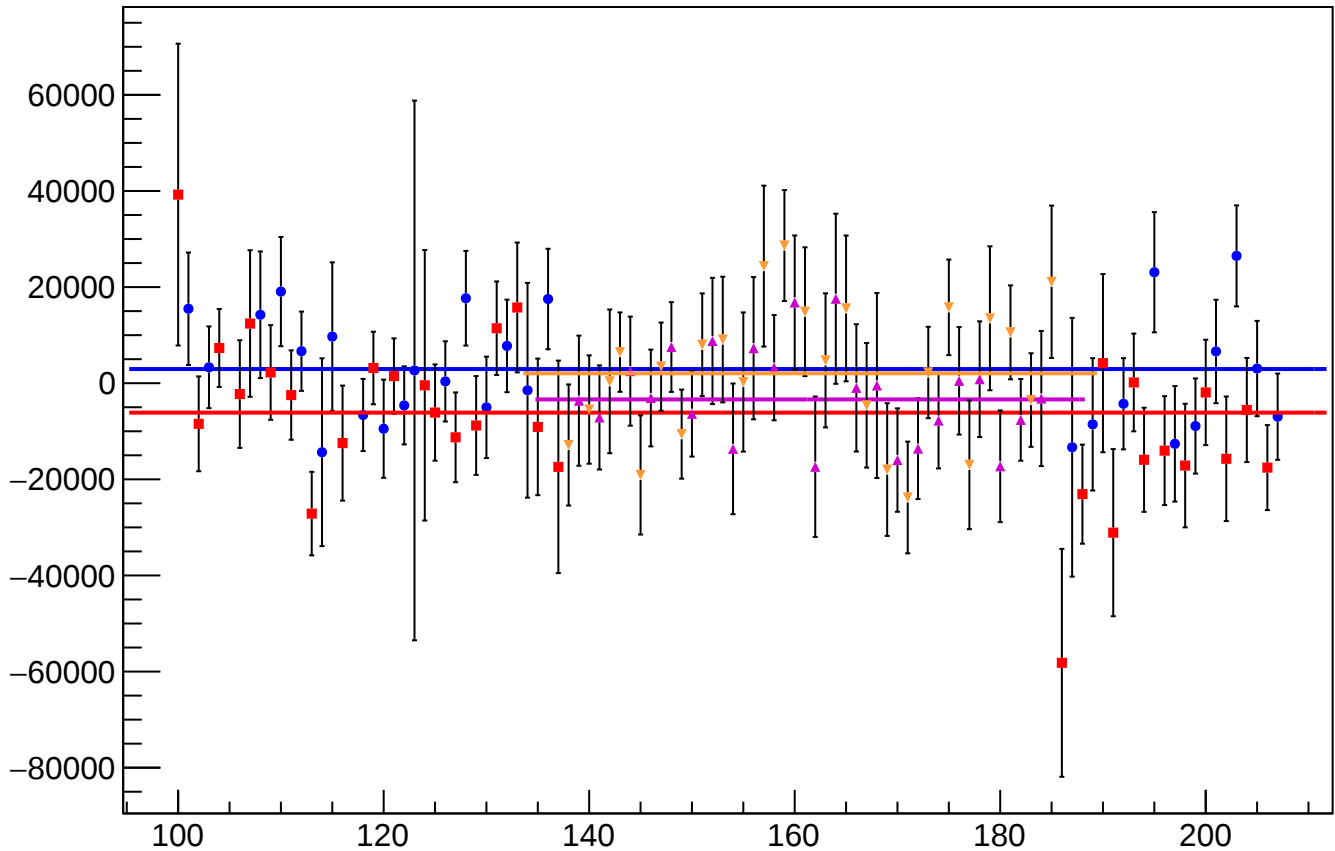
Left In: 9533.563+/-1.649 χ^2/NDF : 1316640.0/22

+ sign 2265.247+/-0.500 χ^2/NDF : 43442113.7/51

All: 2012.733+/-0.339 χ^2/NDF : 93381397.0/101

- sign 1797.220+/-0.462 χ^2/NDF : 49466593.5/53

asym_atl2_mean vs Slug



Right In: 2950.346 $\pm$ 2057.760 χ^2 /NDF: 27.9/26

Left Out: 2055.950 $\pm$ 2333.494 χ^2 /NDF:30.7/24

Right Out: -6123.633 $\pm$ 1981.145 χ^2 /NDF: 37.2/30

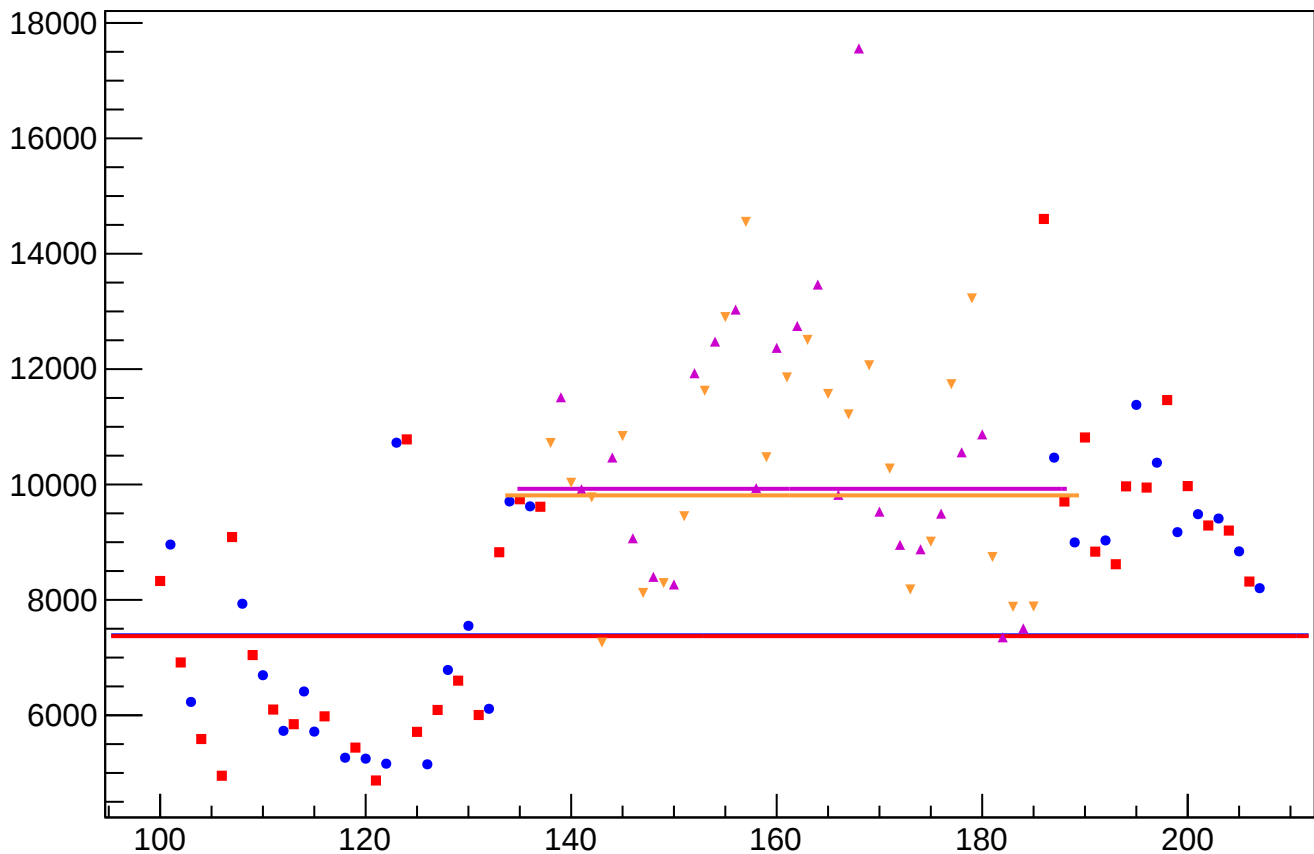
Left In: -3371.931 $\pm$ 2423.242 χ^2 /NDF:13.1/22

+ sign 2559.088 $\pm$ 1543.382 χ^2 /NDF: 58.7/51

All: -1254.703 $\pm$ 1087.929 χ^2 /NDF: 122.0/10

- sign -5021.233 $\pm$ 1533.789 χ^2 /NDF: 51.1/53

asym_atl2_rms vs Slug



Right In: 7385.723+/-1.455 χ^2/NDF : 1614065.2/26

Left Out: 9811.053+/-1.650 χ^2/NDF : 1213831.0/24

Right Out: 7371.324+/-1.401 χ^2/NDF : 2014545.7/30

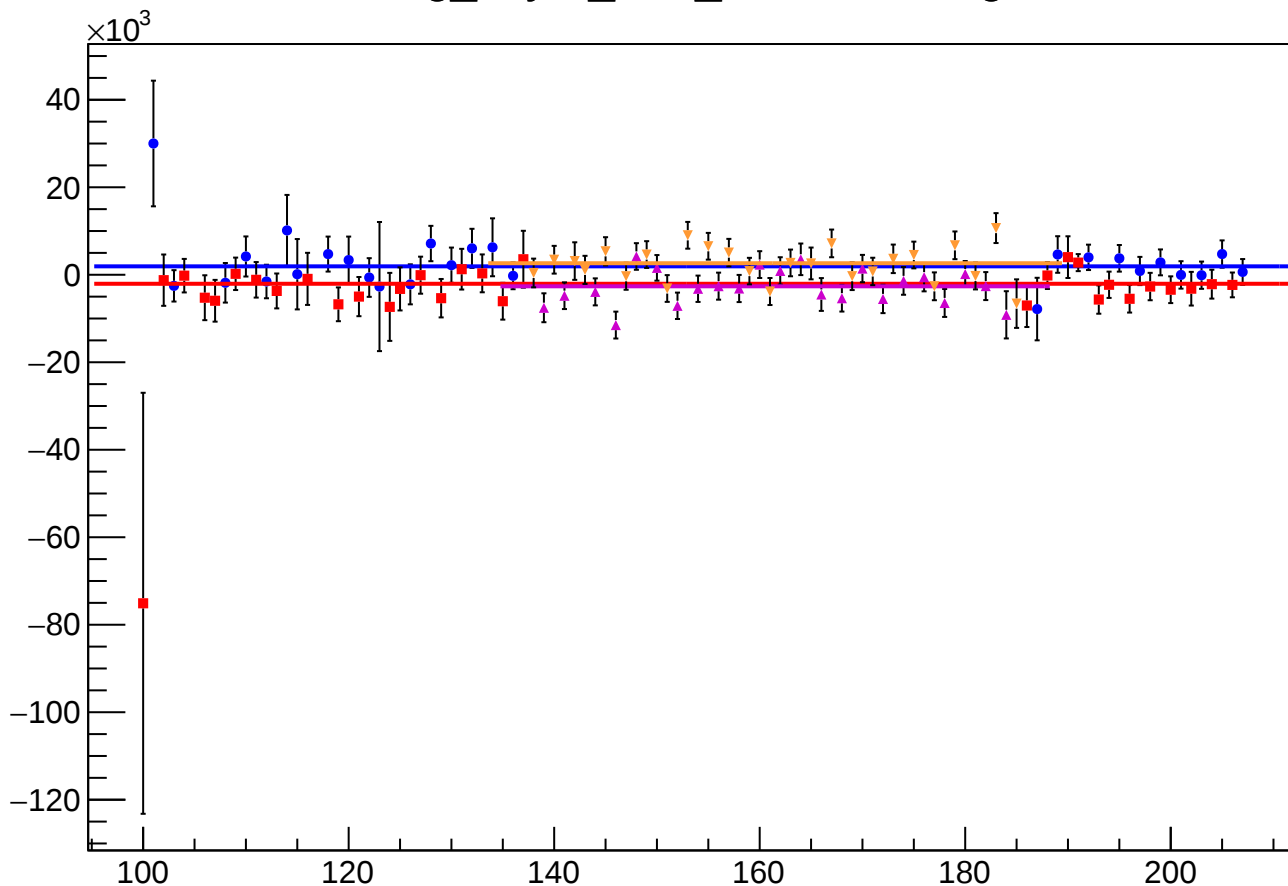
Left In: 9925.337+/-1.713 χ^2/NDF : 1211554.7/22

+ sign 8446.660+/-1.091 χ^2/NDF : 4043316.9/51

All: 8420.392+/-0.769 χ^2/NDF : 8602257.3/10

- sign 8394.450+/-1.085 χ^2/NDF : 4557788.9/53

reg_asym_atr1_mean vs Slug



Right In: 1925.181 $\pm$ 762.990 χ^2 /NDF: 18.6/26

Left Out: 2635.833 $\pm$ 646.121 χ^2 /NDF:35.1/24

Right Out: -2058.794 $\pm$ 686.730 χ^2 /NDF: 21.9/30

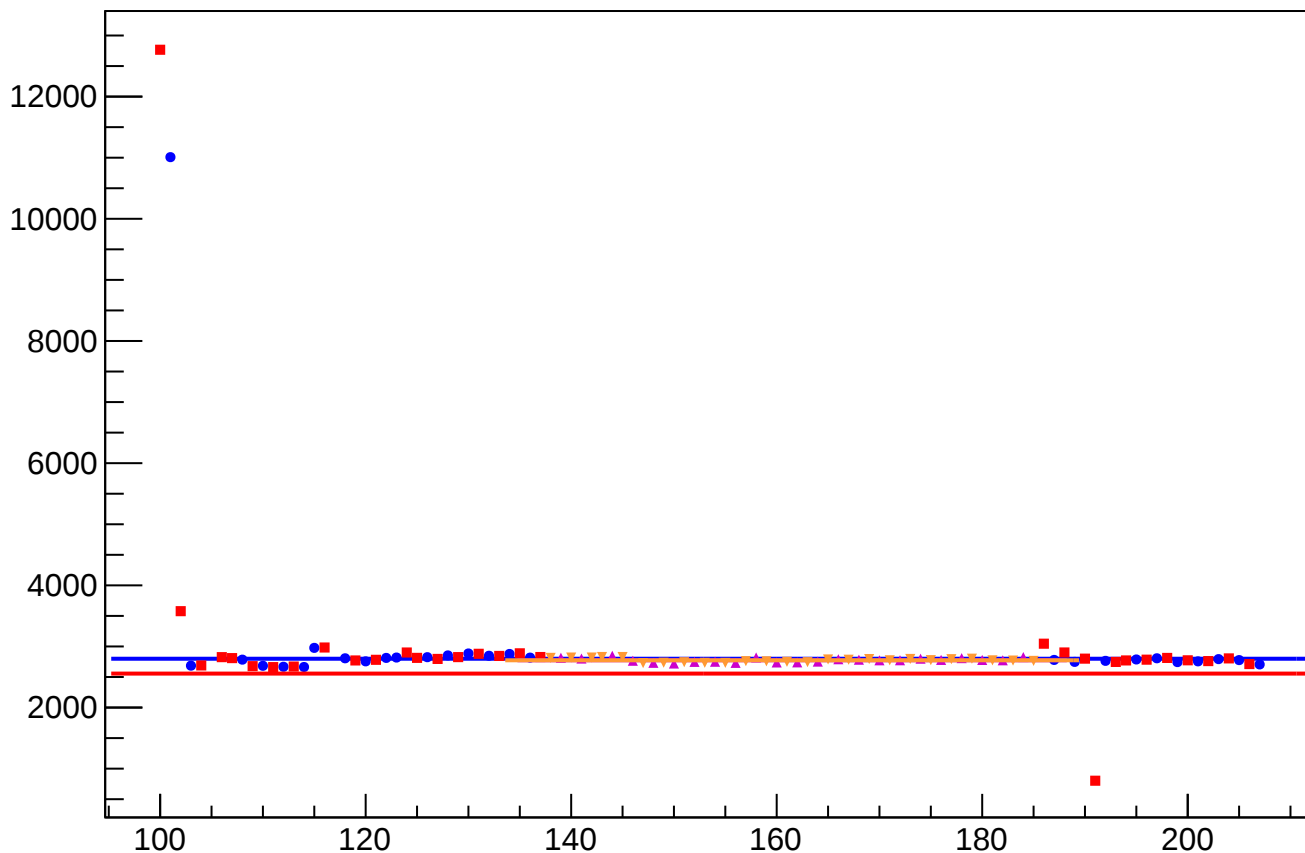
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF:35.2/22

+ sign 2339.045 $\pm$ 493.076 χ^2 /NDF: 54.2/51

All: -84.632 $\pm$ 343.041 χ^2 /NDF: 158.5/105

- sign -2358.207 $\pm$ 477.564 χ^2 /NDF: 57.4/53

reg_asym_atr1_rms vs Slug



Right In: 2799.016+/-0.540 χ^2/NDF : 666605.5/26

Left Out: 2773.713+/-0.457 χ^2/NDF : 4616.5/24

Right Out: 2555.902+/-0.486 χ^2/NDF : 1994008.4/30

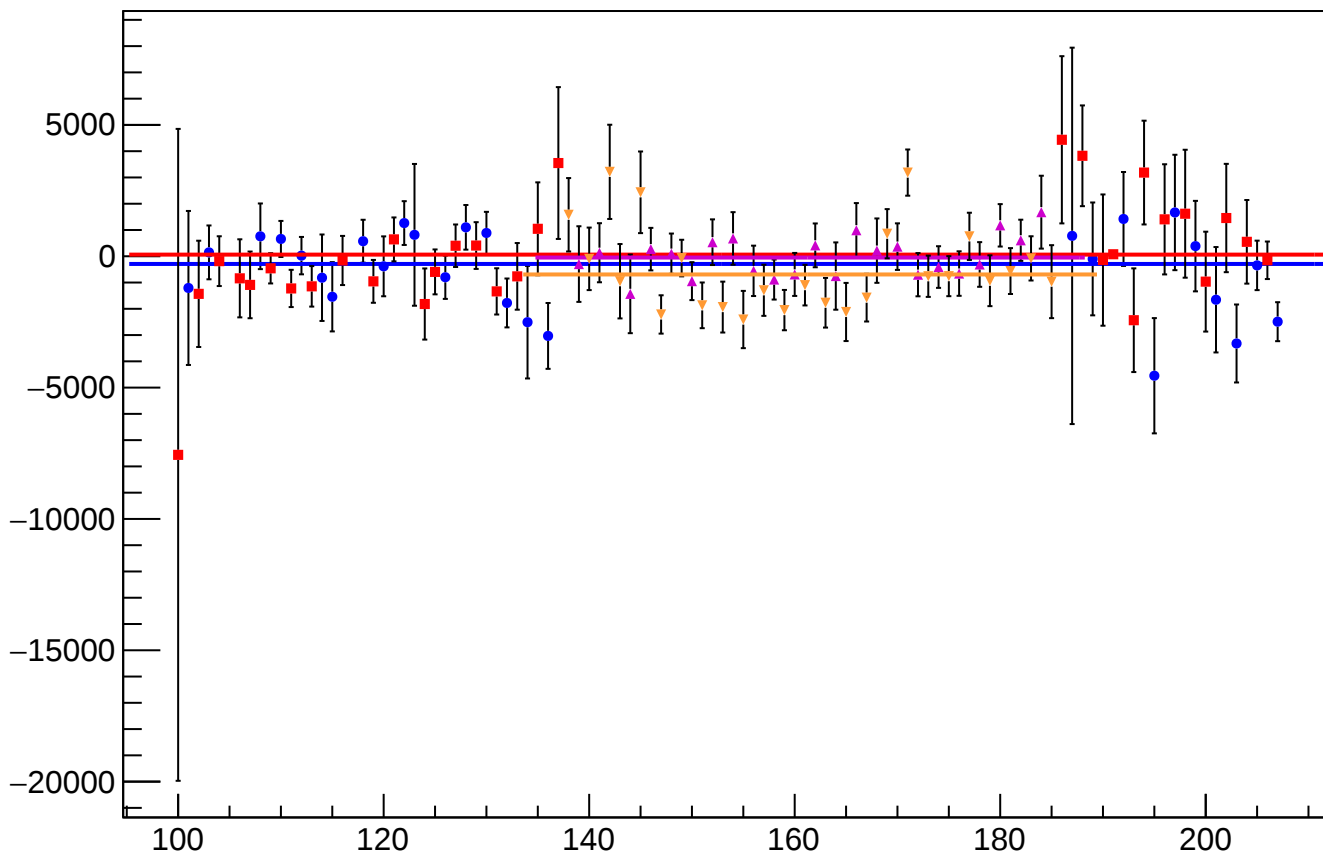
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2784.280+/-0.349 χ^2/NDF : 672502.9/51

All: 2724.564+/-0.243 χ^2/NDF : 2832555.4/10

- sign 2668.545+/-0.338 χ^2/NDF : 2103198.1/53

asym_atr1_correction_mean vs Slug



Right In: -292.717 ± 213.400 χ^2/NDF : 41.6/26

Left Out: -692.808 ± 187.297 χ^2/NDF : 56.0/24

Right Out: 62.628 ± 37.823 χ^2/NDF : 30.2/30

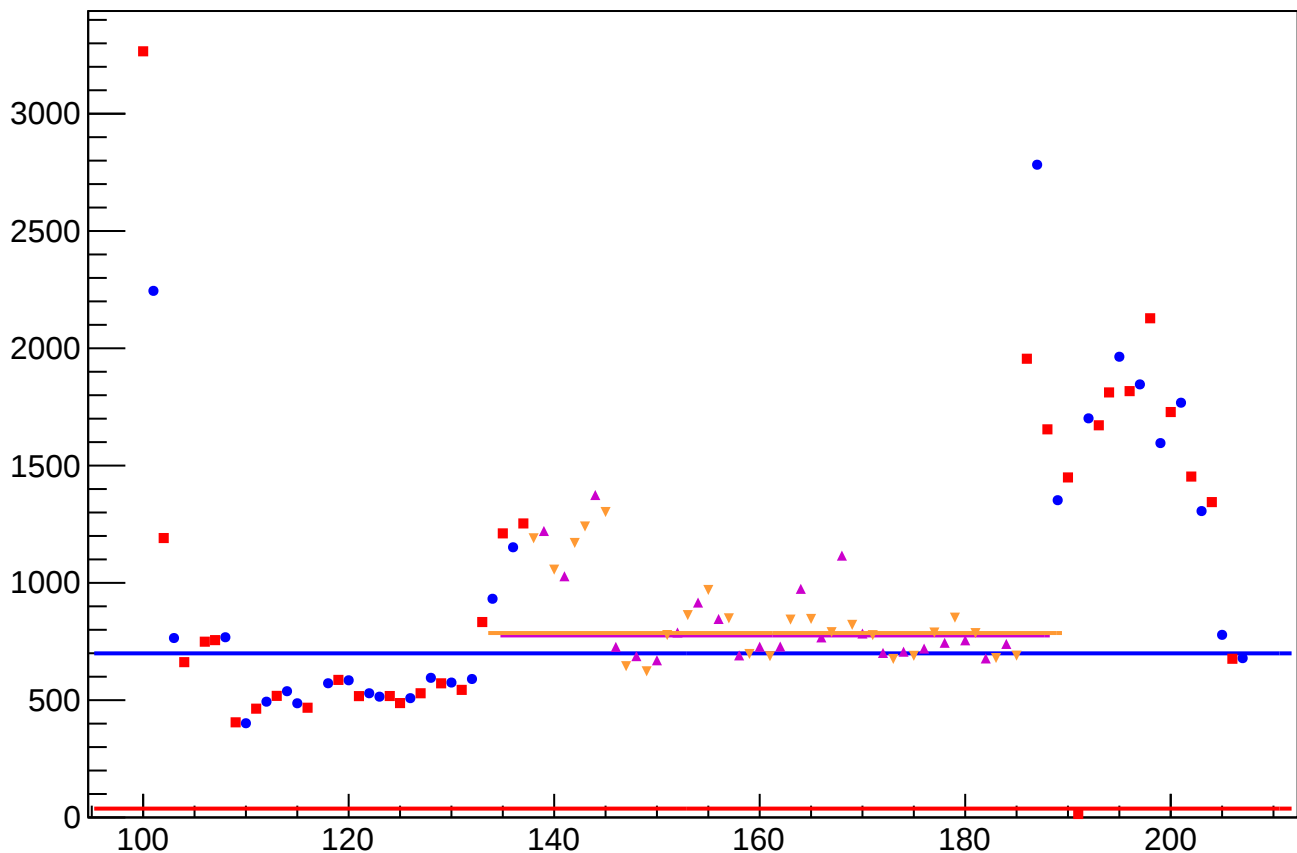
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -518.716 ± 140.768 χ^2/NDF : 99.5/51

All: 20.871 ± 35.865 χ^2/NDF : 159.4/105

- sign 58.328 ± 37.089 χ^2/NDF : 44.1/53

asym_atr1_correction_rms vs Slug



Right In: 699.531+/-0.151 χ^2/NDF : 5494254.9/26

Left Out: 786.173+/-0.132 χ^2/NDF :1249536.1/24

Right Out: 37.734+/-0.027 χ^2/NDF : 26872225.3/30

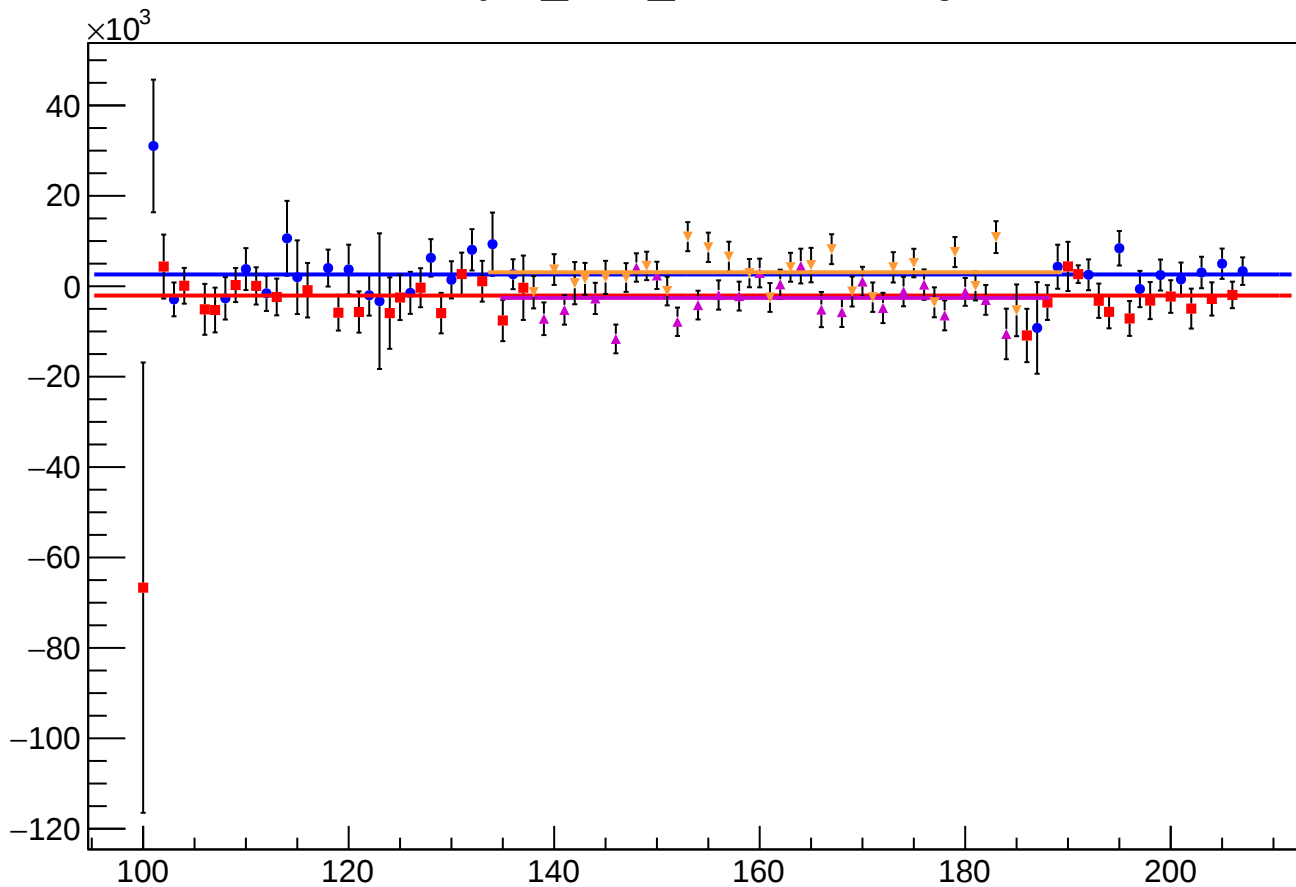
Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

+ sign 748.472+/-0.100 χ^2/NDF : 6930021.3/51

All: 110.399+/-0.025 χ^2/NDF : 108083179.3/3

- sign 66.104+/-0.026 χ^2/NDF : 57208131.8/53

asym_atr1_mean vs Slug



Right In: 2609.883 $\pm$ 833.688 χ^2 /NDF: 19.8/26

Left Out: 3094.826 $\pm$ 678.510 χ^2 /NDF:38.7/24

Right Out: -2057.571 $\pm$ 747.306 χ^2 /NDF: 23.0/30

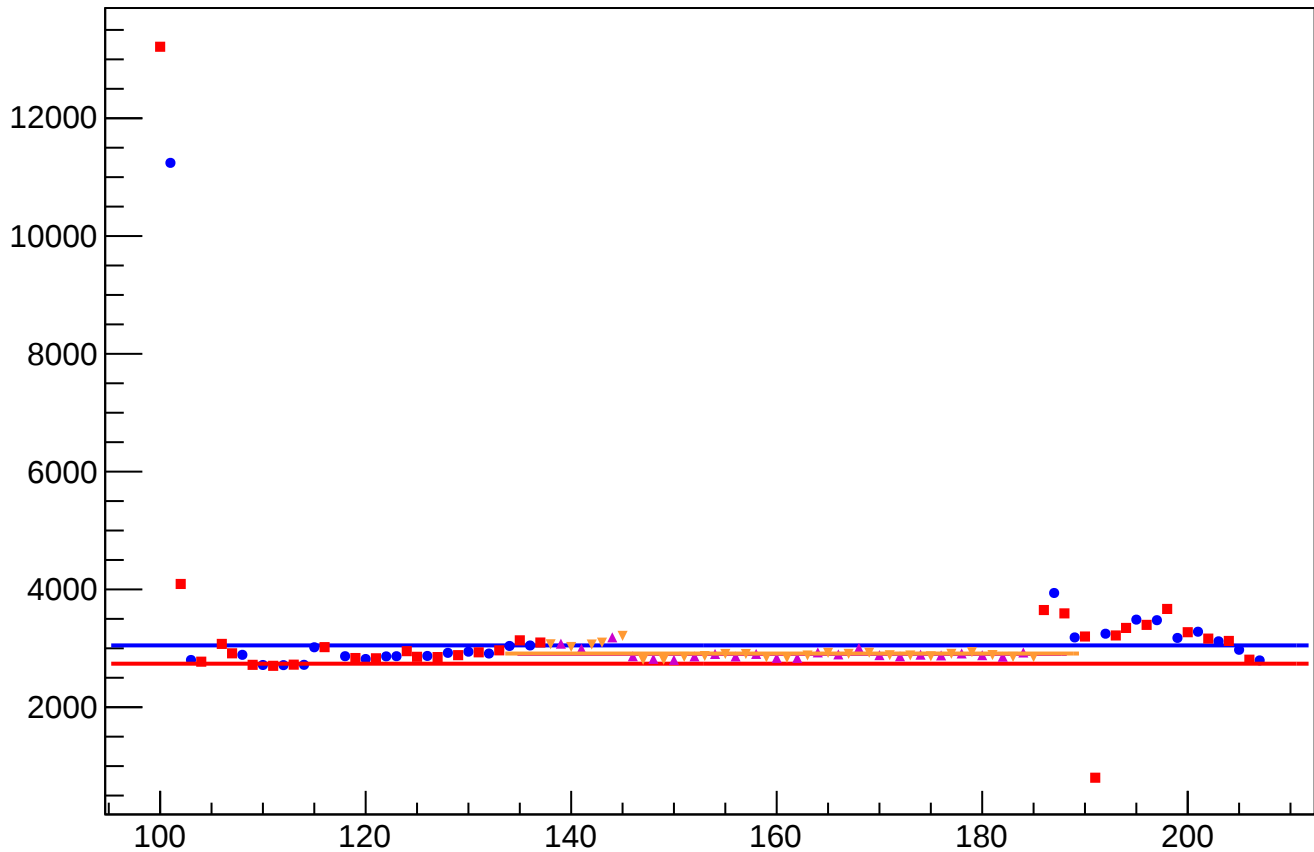
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2901.600 $\pm$ 526.249 χ^2 /NDF: 58.6/51

All: 197.938 $\pm$ 365.952 χ^2 /NDF: 168.7/105

- sign -2333.759 $\pm$ 509.239 χ^2 /NDF: 59.0/53

asym_atr1_rms vs Slug



Right In: 3049.367+/-0.590 χ^2/NDF : 781860.5/26

Left Out: 2911.226+/-0.480 χ^2/NDF :36644.3/24

Right Out: 2738.874+/-0.528 χ^2/NDF : 2682012.7/30

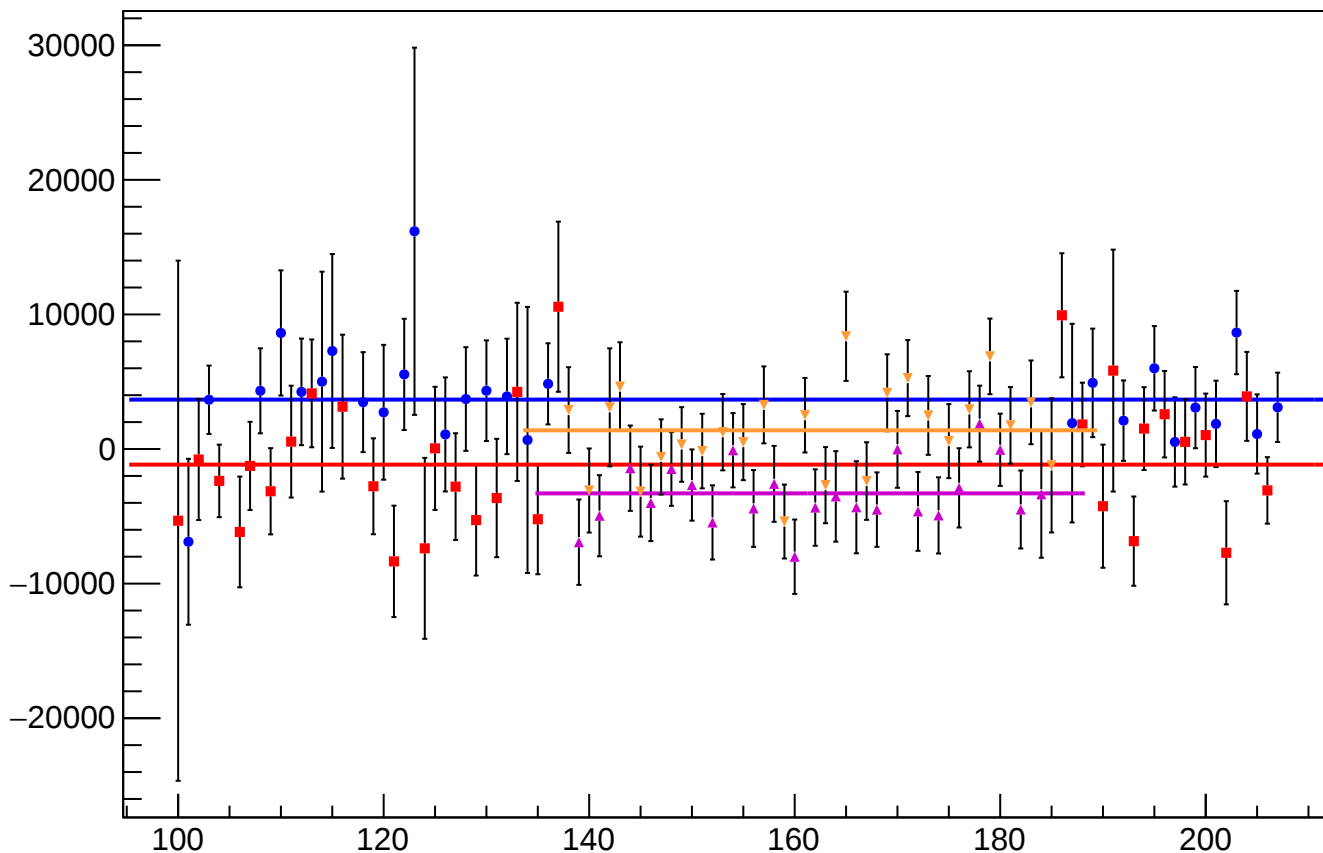
Left In: 2903.411+/-0.492 χ^2/NDF :28838.5/22

+ sign 2966.268+/-0.372 χ^2/NDF : 851537.0/51

All: 2894.351+/-0.259 χ^2/NDF : 3686649.6/10

- sign 2827.008+/-0.360 χ^2/NDF : 2762784.0/53

reg_asym_atr2_mean vs Slug



Right In: 3672.391+/-719.195 χ^2/NDF : 11.8/26

Left Out: 1390.275+/-596.516 χ^2/NDF : 29.2/24

Right Out: -1159.311+/-687.409 χ^2/NDF : 34.9/30

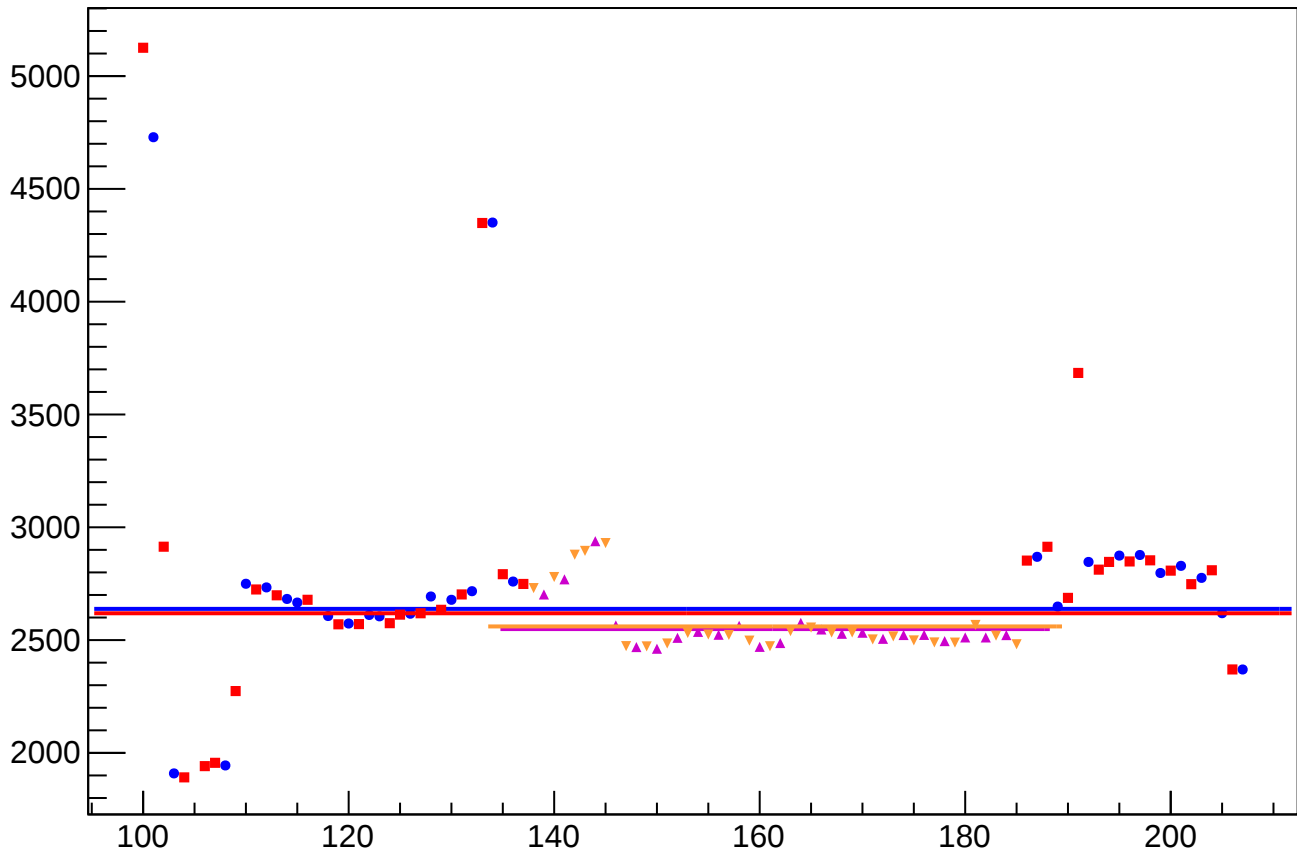
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2320.380+/-459.138 χ^2/NDF : 46.9/51

All: -31.706+/-323.636 χ^2/NDF : 154.2/105

- sign -2354.348+/-456.255 χ^2/NDF : 55.2/53

reg_asym_atr2_rms vs Slug



Right In: 2638.381 $\pm$ 0.509 χ^2 /NDF: 631193.1/26

Left Out: 2560.531 $\pm$ 0.422 χ^2 /NDF: 86771.4/24

Right Out: 2618.874 $\pm$ 0.486 χ^2 /NDF: 619514.2/30

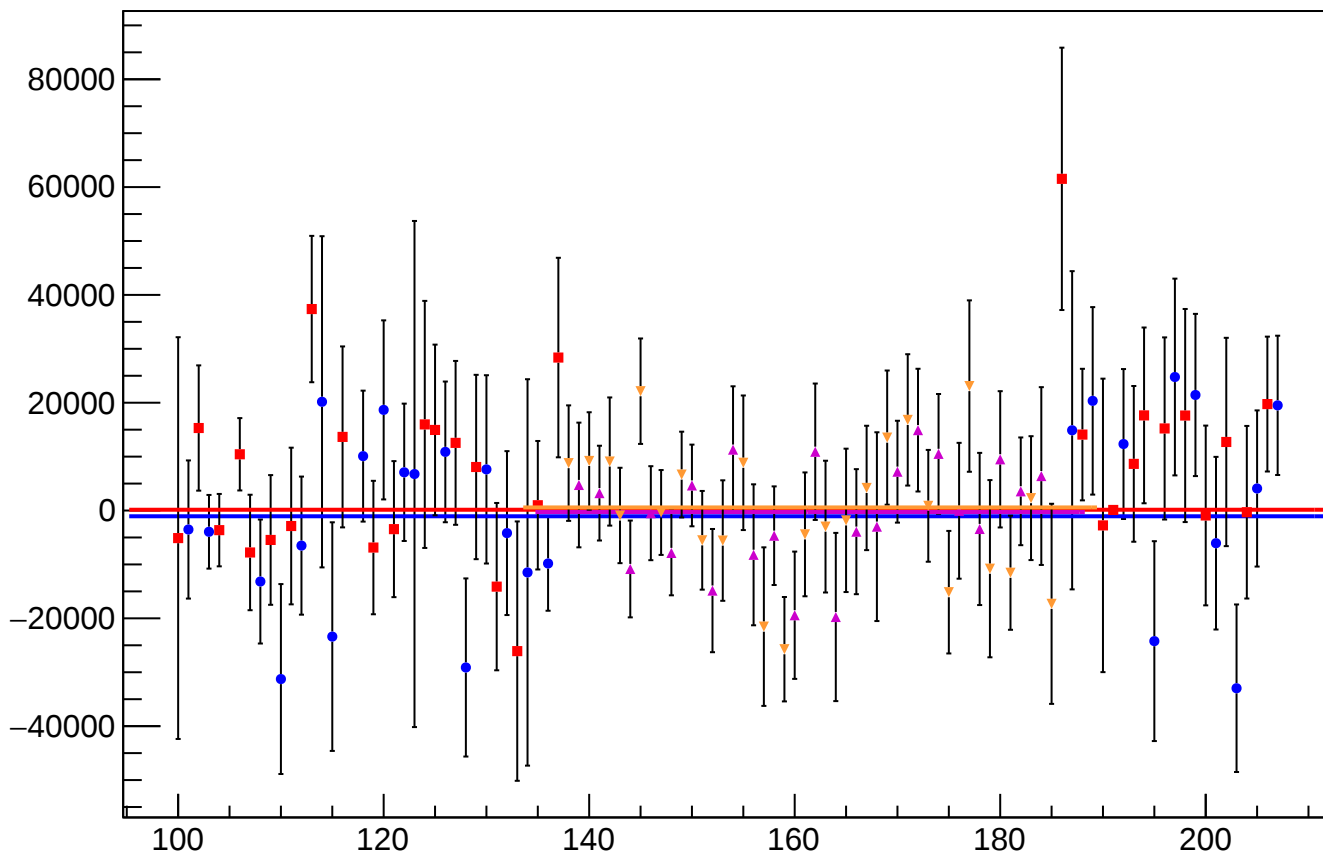
Left In: 2548.870 $\pm$ 0.431 χ^2 /NDF: 55266.2/22

+ sign 2592.260 $\pm$ 0.325 χ^2 /NDF: 731847.6/51

All: 2585.945 $\pm$ 0.229 χ^2 /NDF: 1418984.0/10

- sign 2579.709 $\pm$ 0.323 χ^2 /NDF: 686384.5/53

asym_atr2_correction_mean vs Slug



Right In: -1066.047 ± 2728.183 χ^2/NDF : 29.3/26

Left Out: 572.477 ± 2184.376 χ^2/NDF : 28.2/24

Right Out: 145.766 ± 194.943 χ^2/NDF : 34.0/30

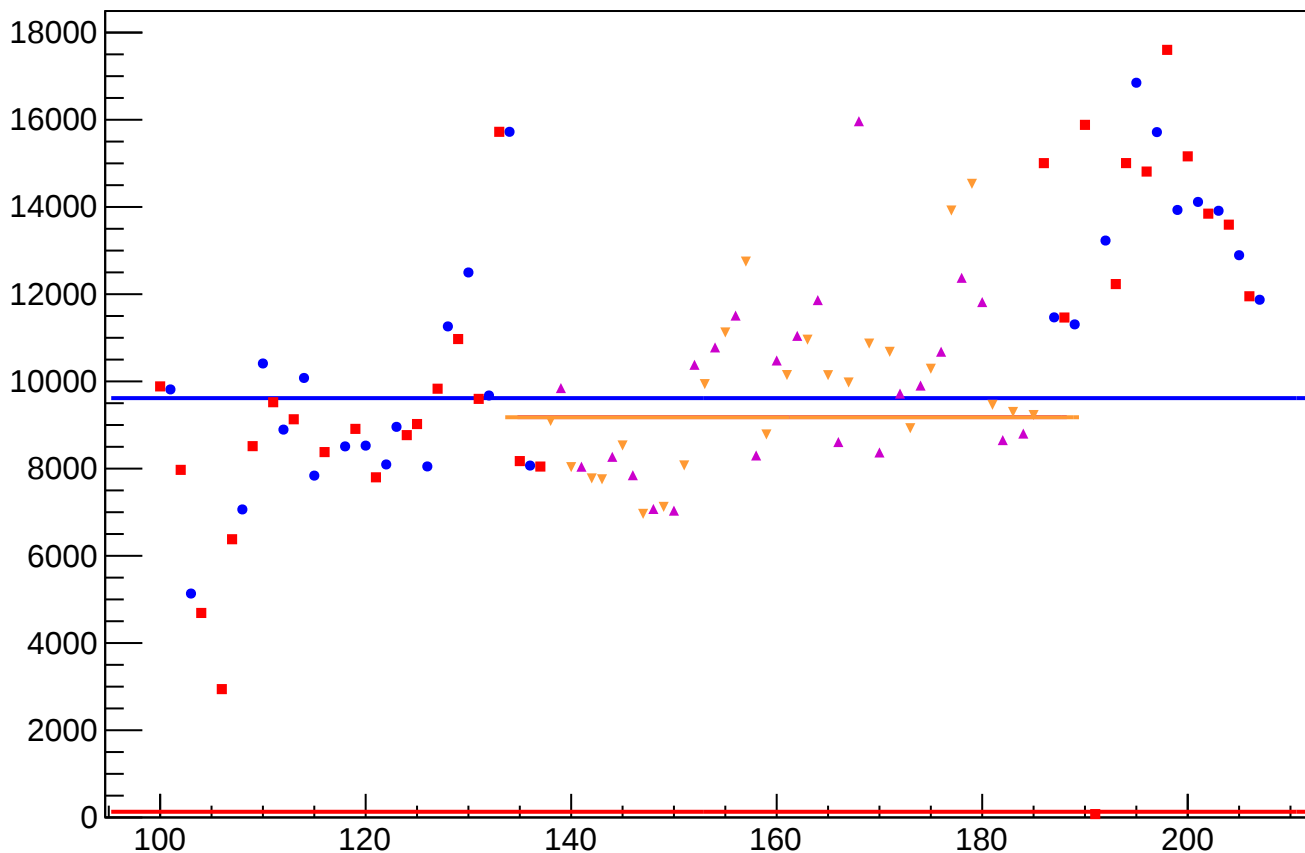
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign -67.600 ± 1705.153 χ^2/NDF : 57.8/51

All: 139.919 ± 192.963 χ^2/NDF : 107.6/105

- sign 142.611 ± 194.210 χ^2/NDF : 49.8/53

asym_atr2_correction_rms vs Slug



Right In: 9616.460 $\pm$ 1.929 χ^2 /NDF: 2590030.4/26

Left Out: 9177.688 $\pm$ 1.545 χ^2 /NDF:1176195.8/24

Right Out: 130.495 $\pm$ 0.138 χ^2 /NDF: 28579608.8/30

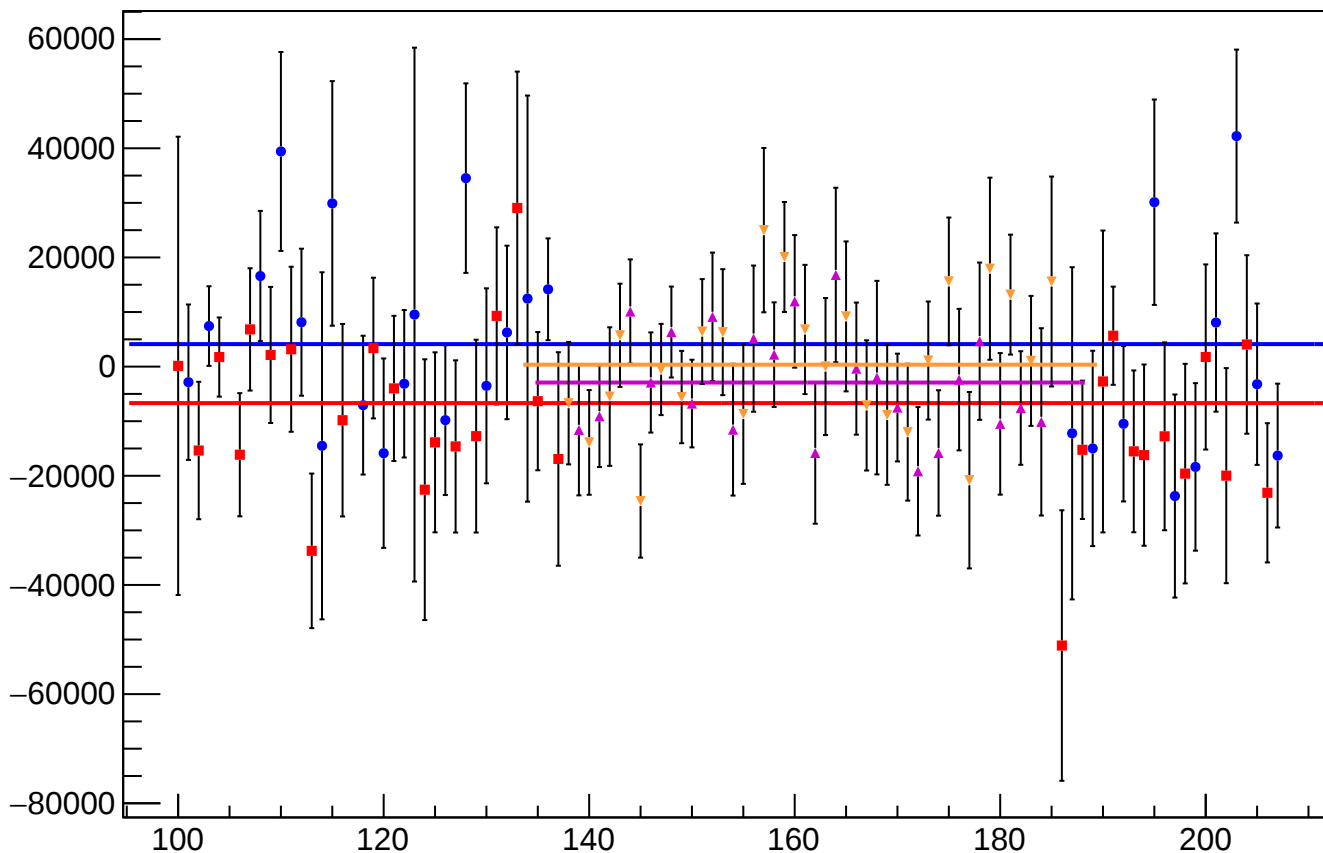
Left In: 9181.254 $\pm$ 1.586 χ^2 /NDF:1236469.7/22

+ sign 9349.091 $\pm$ 1.206 χ^2 /NDF: 3797749.6/51

All: 315.545 $\pm$ 0.136 χ^2 /NDF: 122800026.6/53

- sign 198.358 $\pm$ 0.137 χ^2 /NDF: 62140909.3/53

asym_atr2_mean vs Slug



Right In: 4123.020 $\pm$ 2853.900 χ^2 /NDF: 32.2/26

Left Out: 355.717 $\pm$ 2281.682 χ^2 /NDF: 26.2/24

Right Out: -6679.459 $\pm$ 2575.087 χ^2 /NDF: 23.2/30

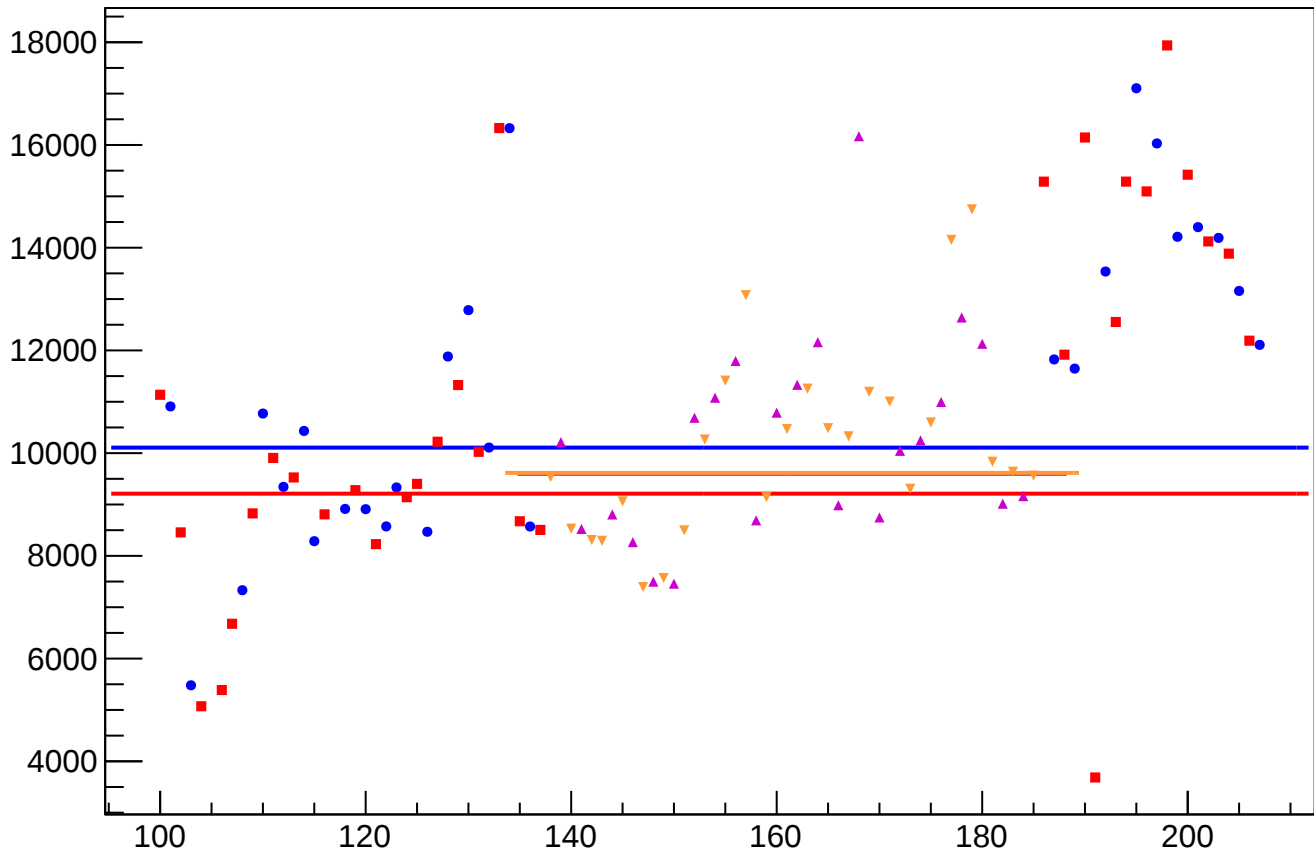
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1824.755 $\pm$ 1782.132 χ^2 /NDF: 59.5/51

All: -1490.168 $\pm$ 1241.747 χ^2 /NDF: 105.5/10

- sign -4618.200 $\pm$ 1731.166 χ^2 /NDF: 39.3/53

asym_atr2_rms vs Slug



Right In: 10107.359 $\pm$ 2.018 χ^2 /NDF: 2362297.5/26

Left Out: 9616.245 $\pm$ 1.613 χ^2 /NDF:1011665.6/24

Right Out: 9211.211 $\pm$ 1.821 χ^2 /NDF: 3962431.9/30

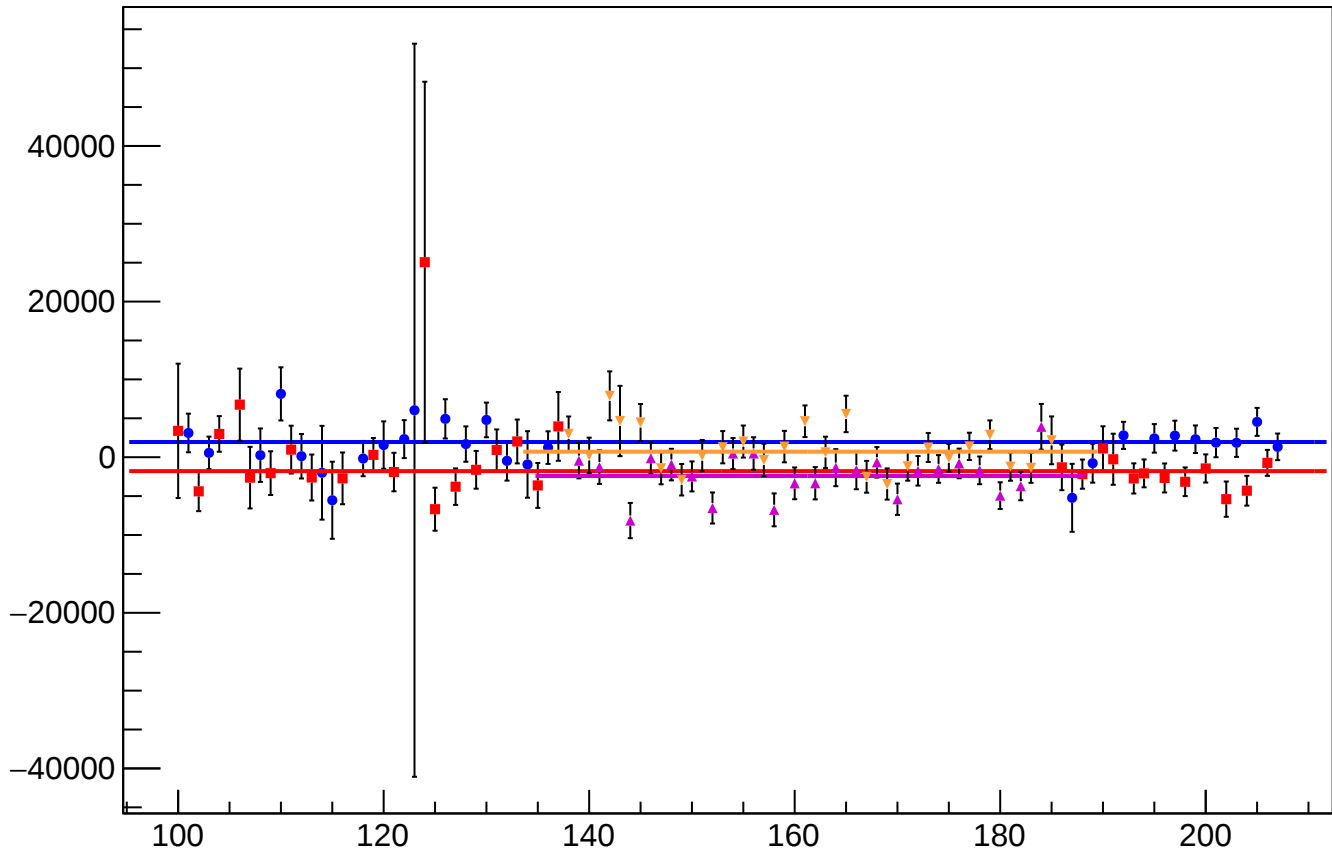
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF:1082171.6/22

+ sign 9807.752 $\pm$ 1.260 χ^2 /NDF: 3410094.7/51

All: 9610.037 $\pm$ 0.878 χ^2 /NDF: 8527341.2/10

- sign 9423.474 $\pm$ 1.224 χ^2 /NDF: 5069401.6/53

reg_asym_atl_avg_mean vs Slug



Right In: 1950.254 ± 452.654 χ^2/NDF : 19.4/26

Left Out: 709.722 ± 417.377 χ^2/NDF : 34.8/24

Right Out: -1789.381 ± 442.167 χ^2/NDF : 28.3/30

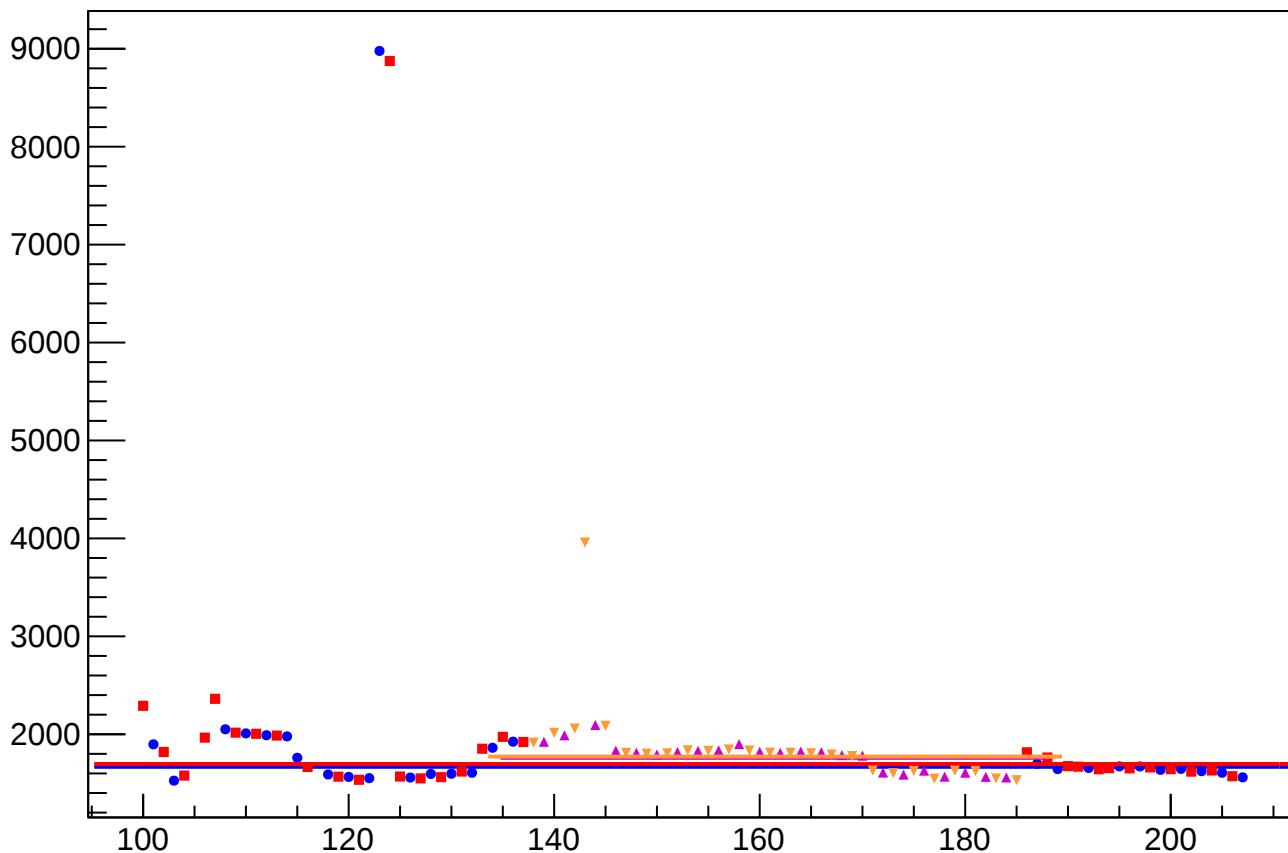
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 1279.771 ± 306.845 χ^2/NDF : 58.2/51

All: -423.492 ± 216.614 χ^2/NDF : 183.0/105

- sign -2115.565 ± 305.835 χ^2/NDF : 63.4/53

reg_asym_atl_avg_rms vs Slug



Right In: 1667.889+/-0.320 χ^2/NDF : 215682.1/26

Left Out: 1772.046+/-0.295 χ^2/NDF : 702472.4/24

Right Out: 1695.984+/-0.312 χ^2/NDF : 436450.2/30

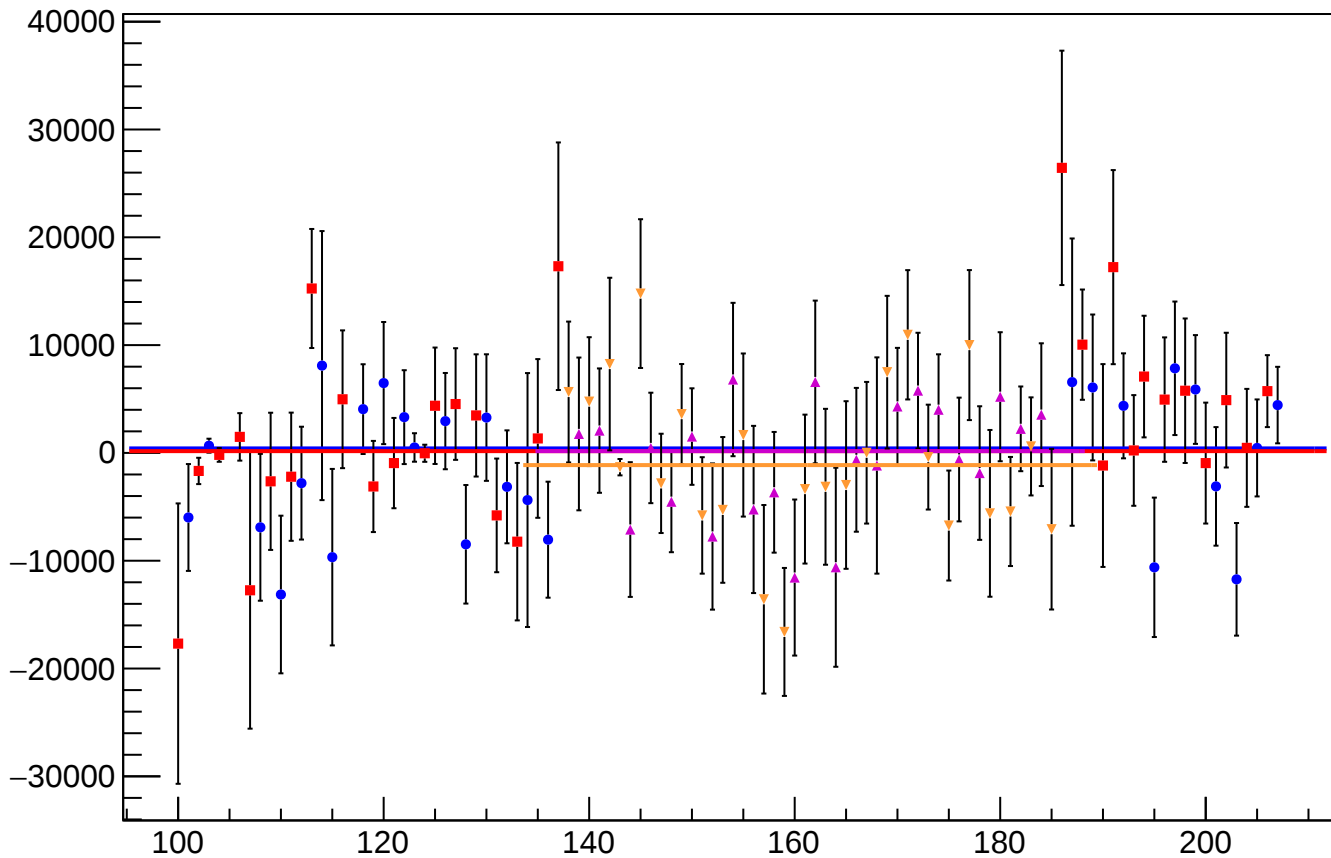
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1724.184+/-0.217 χ^2/NDF : 975388.2/51

All: 1726.654+/-0.153 χ^2/NDF : 1648624.4/10

- sign 1729.103+/-0.216 χ^2/NDF : 672978.1/53

asym_atl_avg_correction_mean vs Slug



Right In: 417.675 $\pm$ 514.453 χ^2/NDF : 31.5/26

Left Out: -1129.807 $\pm$ 647.600 χ^2/NDF : 31.5/24

Right Out: 165.293 $\pm$ 419.231 χ^2/NDF : 40.9/30

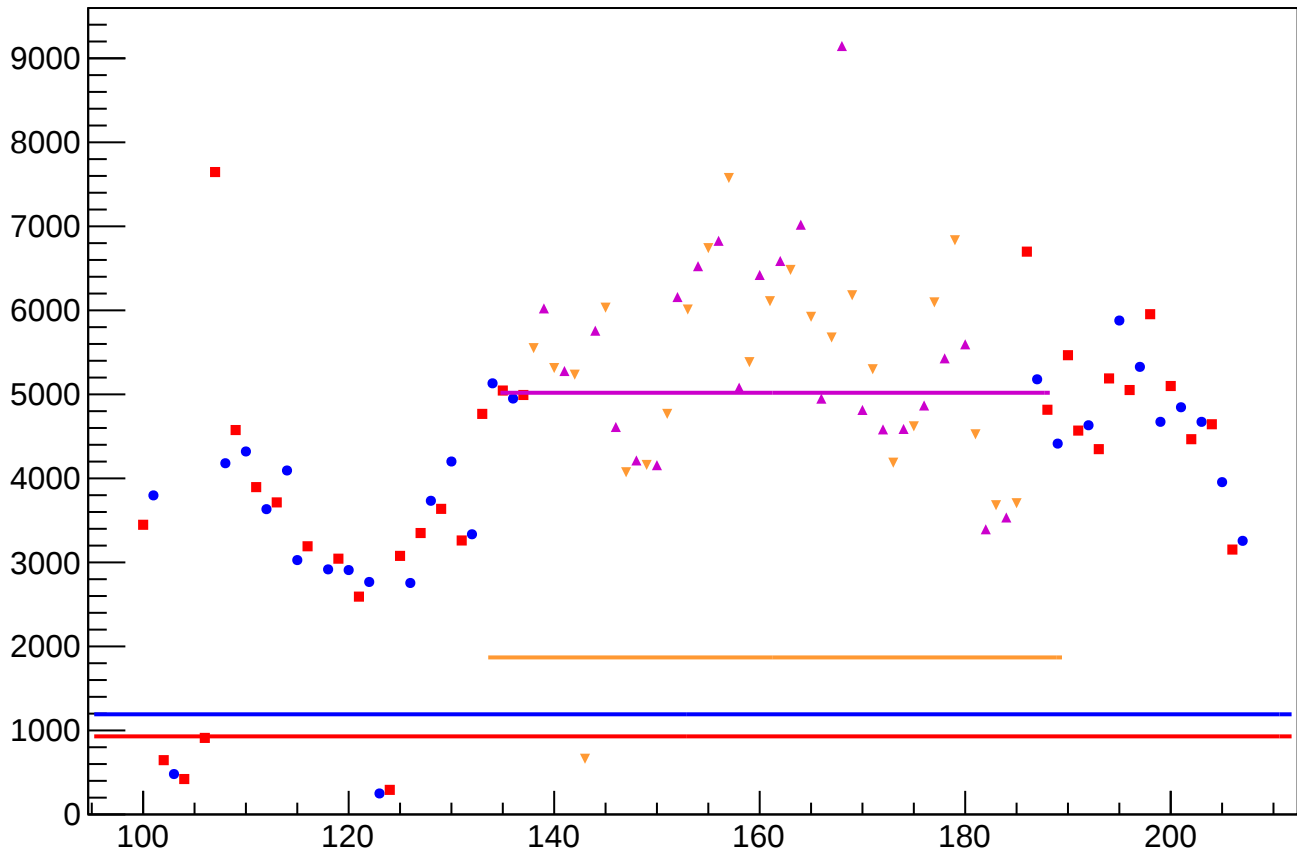
Left In: 168.182 $\pm$ 1232.411 χ^2/NDF : 14.2/22

+ sign -181.054 $\pm$ 402.818 χ^2/NDF : 66.5/51

All: -5.164 $\pm$ 282.718 χ^2/NDF : 122.0/105

- sign 165.593 $\pm$ 396.896 χ^2/NDF : 55.1/53

asym_atl_avg_correction_rms vs Slug



Right In: 1192.080+/-0.364 χ^2/NDF : 16620165.9/26

Left Out: 1868.983+/-0.458 χ^2/NDF : 19852416.6/24

Right Out: 929.374+/-0.296 χ^2/NDF : 19273837.1/30

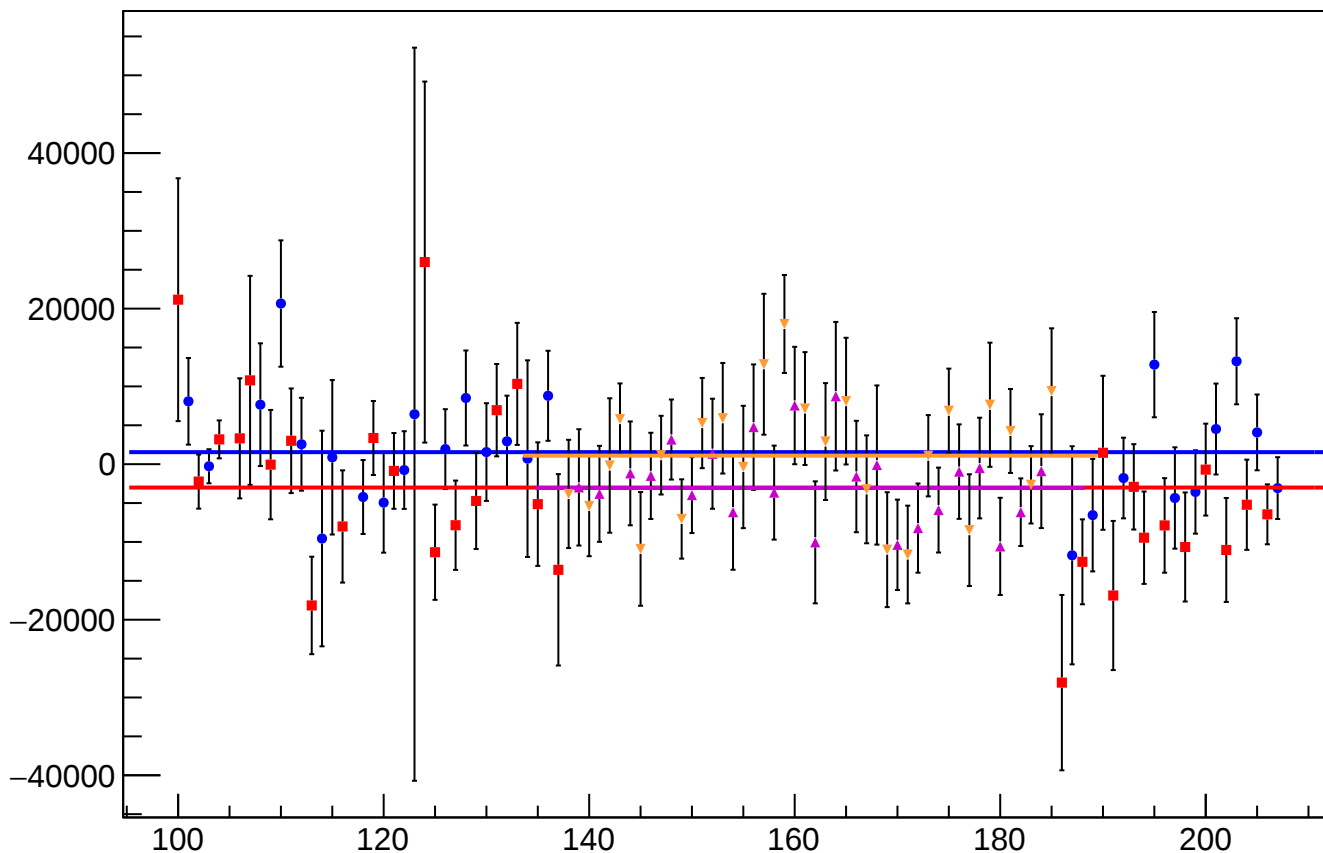
Left In: 5019.114+/-0.871 χ^2/NDF : 1569031.9/22

+ sign 1453.977+/-0.285 χ^2/NDF : 37812251.2/51

All: 1403.016+/-0.200 χ^2/NDF : 78458614.3/100

- sign 1353.542+/-0.281 χ^2/NDF : 40583276.2/53

asym_atl_avg_mean vs Slug



Right In: 1546.078+/-1060.694 χ^2/NDF : 27.9/26

Left Out: 1094.317+/-1273.113 χ^2/NDF : 32.0/24

Right Out: -3004.996+/-1041.476 χ^2/NDF : 46.5/30

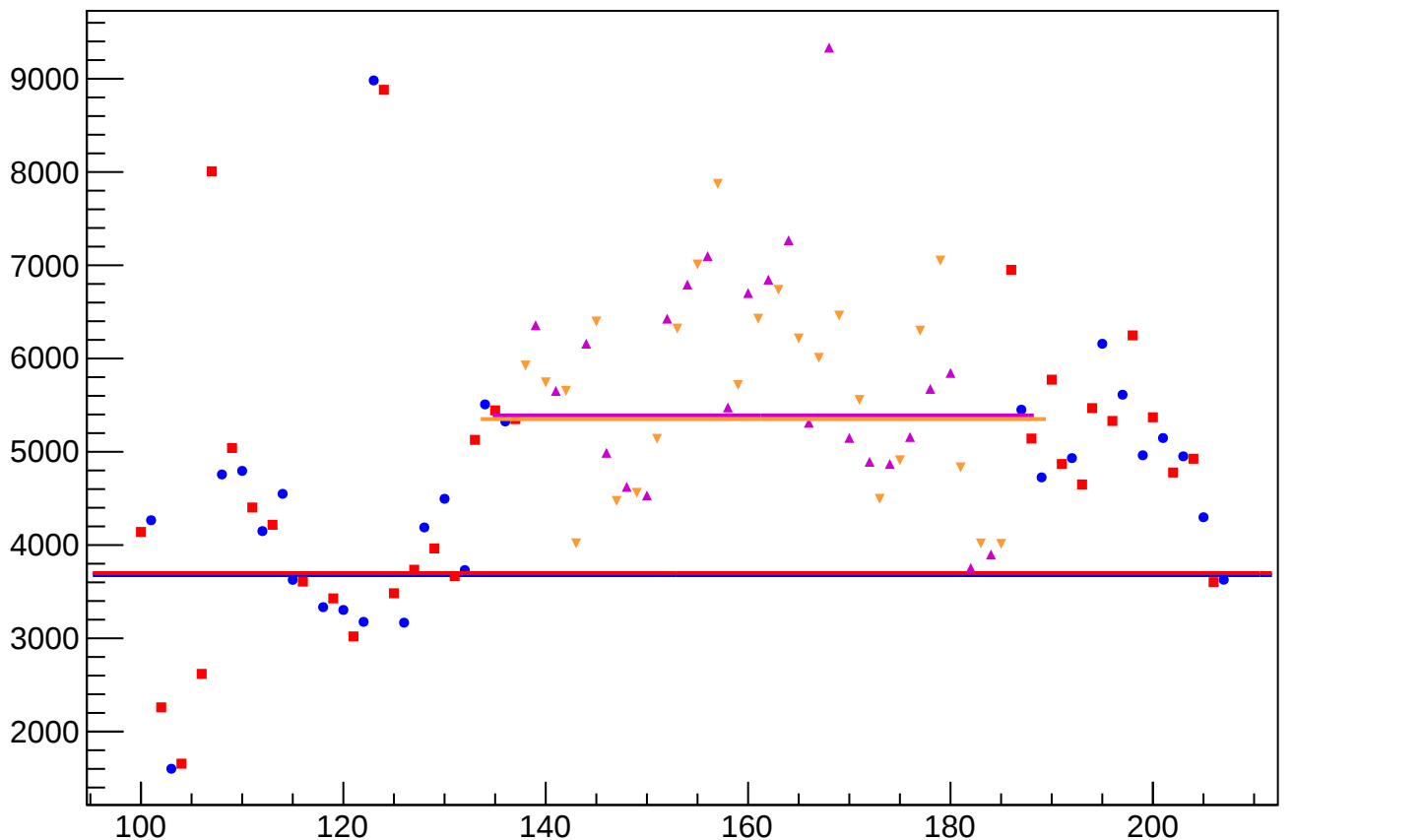
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1360.978+/-814.921 χ^2/NDF : 59.9/51

All: -827.391+/-577.037 χ^2/NDF : 133.5/105

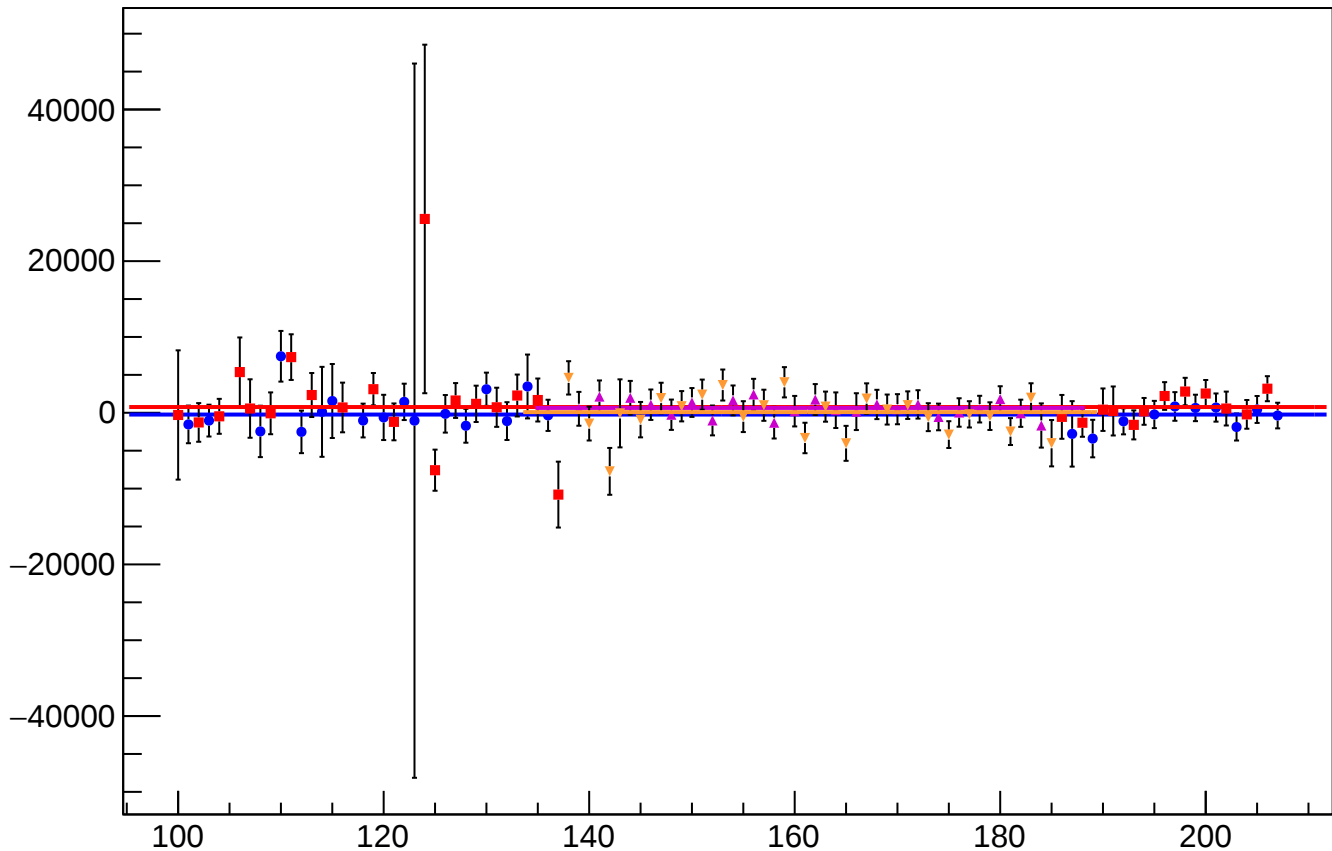
- sign -3027.971+/-817.191 χ^2/NDF : 59.1/53

asym_atl_avg_rms vs Slug



Right In: 3677.861+/-0.750	χ^2/NDF : 3269030.2/26	+ sign 4363.312+/-0.576	χ^2/NDF : 6549029.8/51
Left Out: 5350.804+/-0.900	χ^2/NDF : 1241497.9/24	All: 4352.178+/-0.407	χ^2/NDF : 13763675.4/1
Right Out: 3698.990+/-0.729	χ^2/NDF : 3863358.4/30	- sign 4341.113+/-0.574	χ^2/NDF : 7213901.1/53
Left In: 5389.724+/-0.932	χ^2/NDF : 1309863.0/22		

reg_asym_atl_dd_mean vs Slug



Right In: -235.133 ± 446.371 χ^2/NDF : 15.3/26

Left Out: 86.214 ± 411.530 χ^2/NDF : 36.0/24

Right Out: 756.951 ± 435.842 χ^2/NDF : 35.7/30

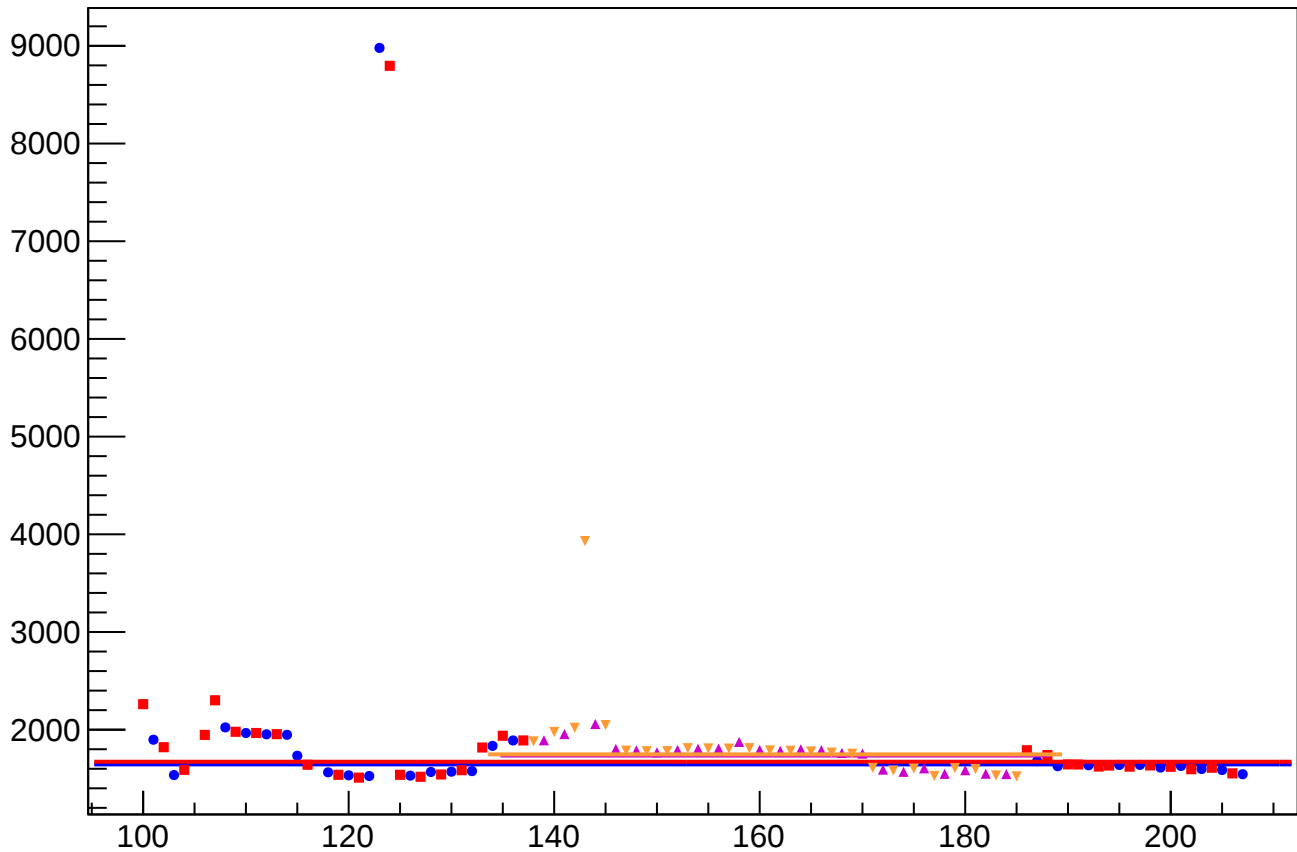
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -61.431 ± 302.564 χ^2/NDF : 51.6/51

All: 318.613 ± 213.585 χ^2/NDF : 96.6/105

- sign 696.106 ± 301.547 χ^2/NDF : 41.9/53

reg_asym_atl_dd_rms vs Slug



Right In: 1644.815+/-0.316 χ^2/NDF : 212929.9/26

Left Out: 1747.320+/-0.291 χ^2/NDF : 698192.3/24

Right Out: 1671.992+/-0.308 χ^2/NDF : 432082.3/30

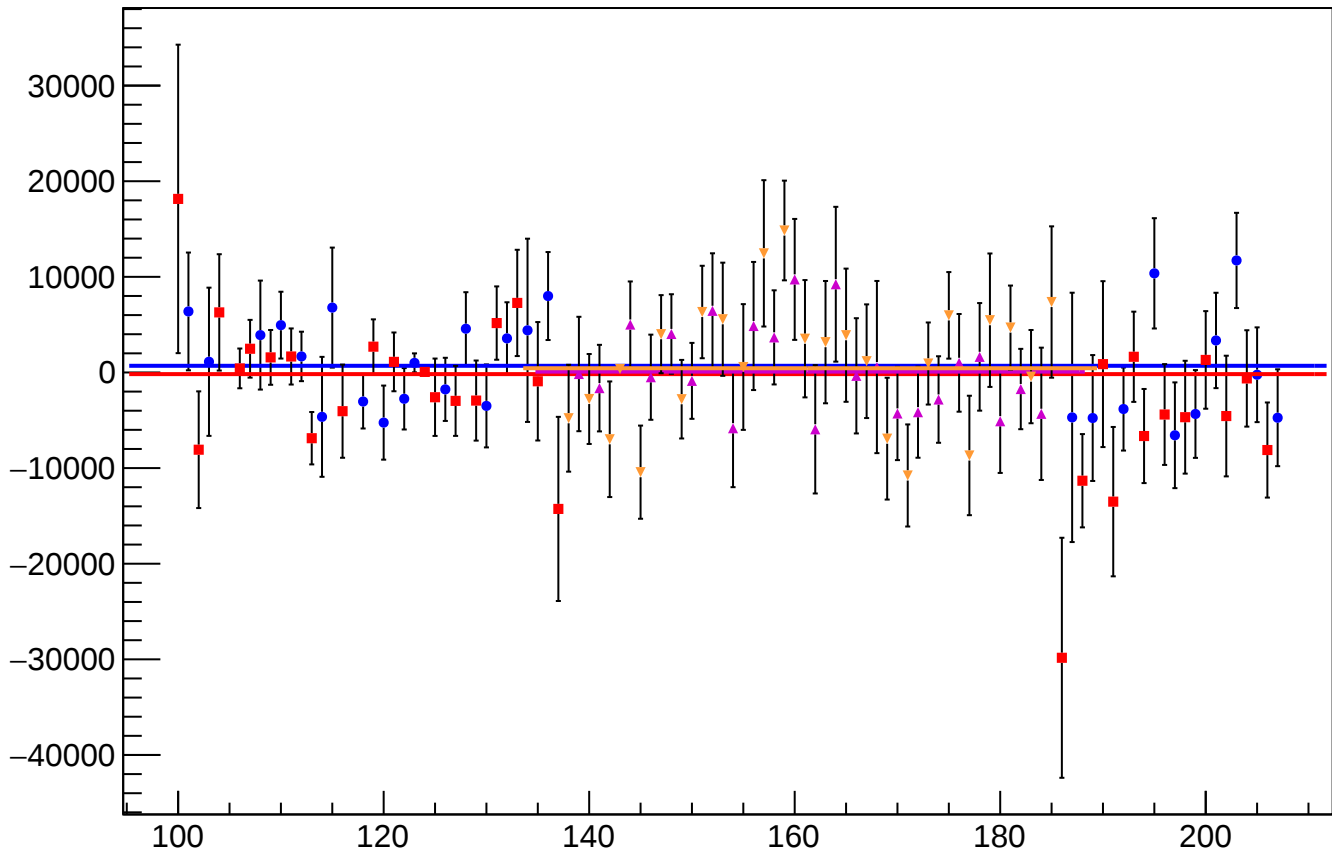
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1700.224+/-0.214 χ^2/NDF : 968133.9/51

All: 1702.652+/-0.151 χ^2/NDF : 1629448.9/10

- sign 1705.060+/-0.213 χ^2/NDF : 661058.4/53

asym_atl_dd_correction_mean vs Slug



Right In: 697.291 ± 651.782 χ^2/NDF : 29.6/26

Left Out: 442.187 ± 440.335 χ^2/NDF : 33.9/24

Right Out: -172.181 ± 349.107 χ^2/NDF : 41.1/30

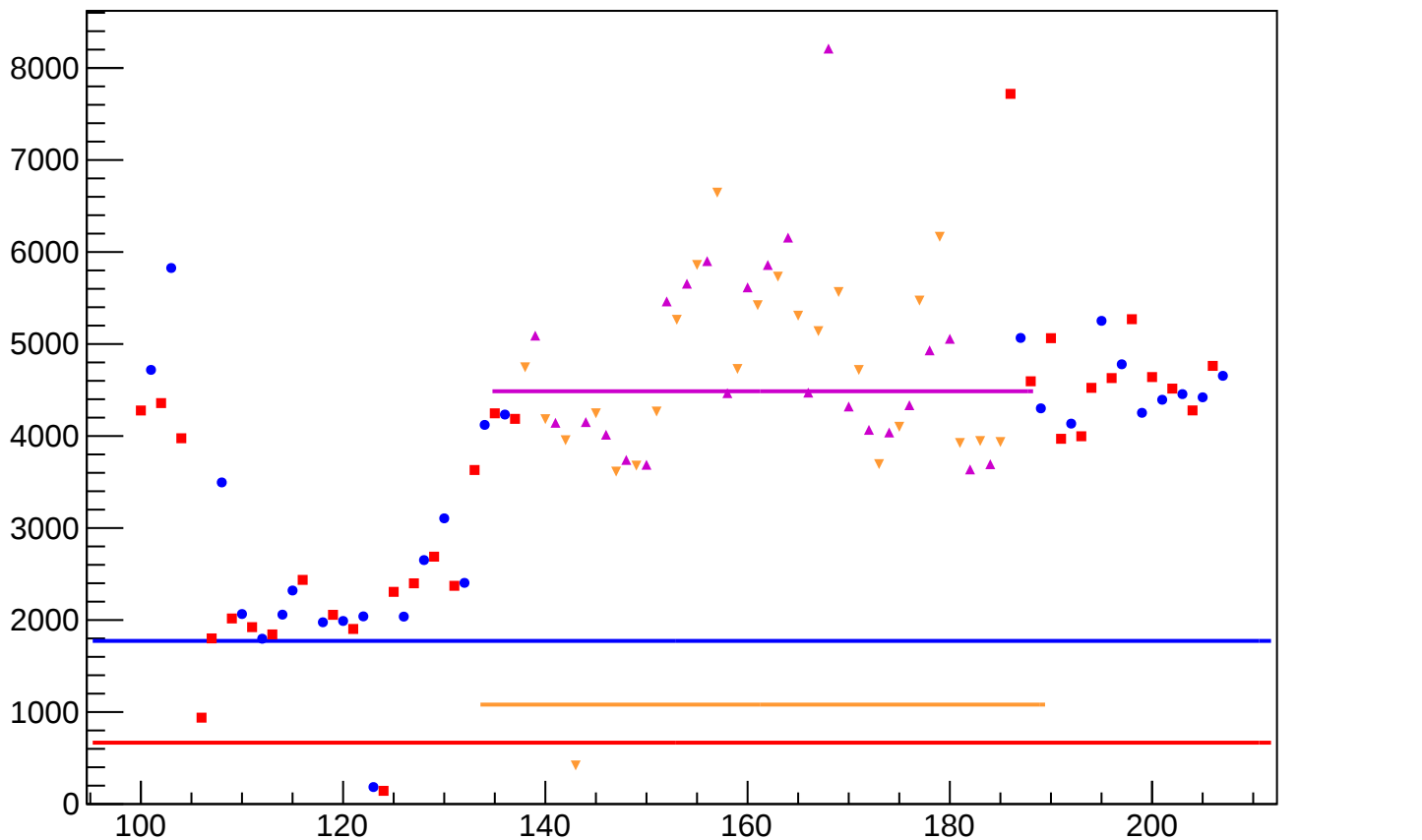
Left In: 88.508 ± 1094.838 χ^2/NDF : 13.4/22

+ sign 522.133 ± 364.872 χ^2/NDF : 63.6/51

All: 156.066 ± 245.805 χ^2/NDF : 120.1/105

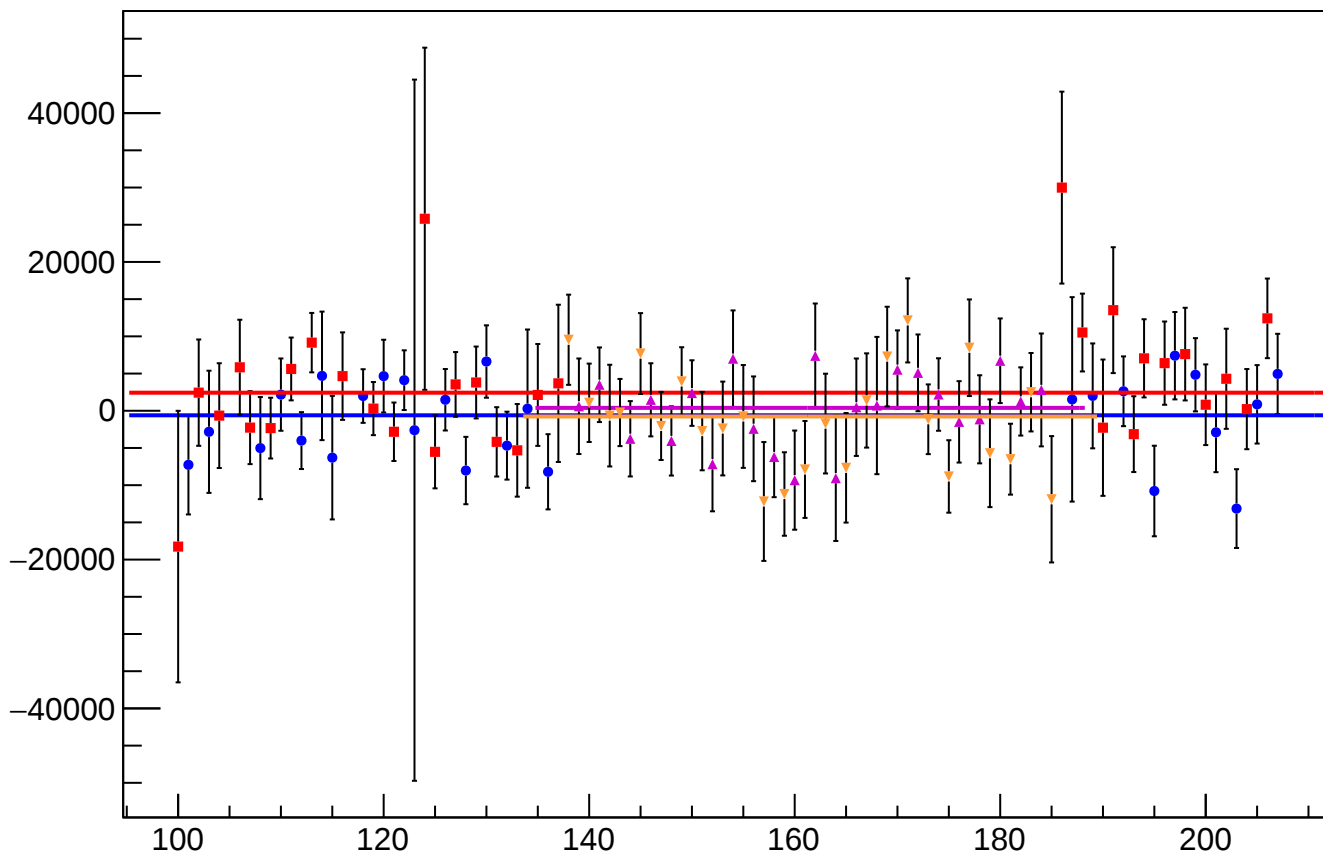
- sign -148.121 ± 332.607 χ^2/NDF : 54.6/53

asym_atl_dd_correction_rms vs Slug



Right In: 1773.236+/-0.461	χ^2/NDF : 12691180.2/26	+ sign 1297.937+/-0.258	χ^2/NDF : 38696394.3/51
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1145.970+/-0.174	χ^2/NDF : 84980923.1/1
Right Out: 667.194+/-0.247	χ^2/NDF : 22374360.9/30	- sign 1019.690+/-0.235	χ^2/NDF : 45649299.4/53
Left In: 4486.570+/-0.774	χ^2/NDF : 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -608.549 ± 1034.938 χ^2/NDF : 28.2/26

Left Out: -766.008 ± 1147.372 χ^2/NDF : 29.9/24

Right Out: 2429.858 ± 986.390 χ^2/NDF : 33.0/30

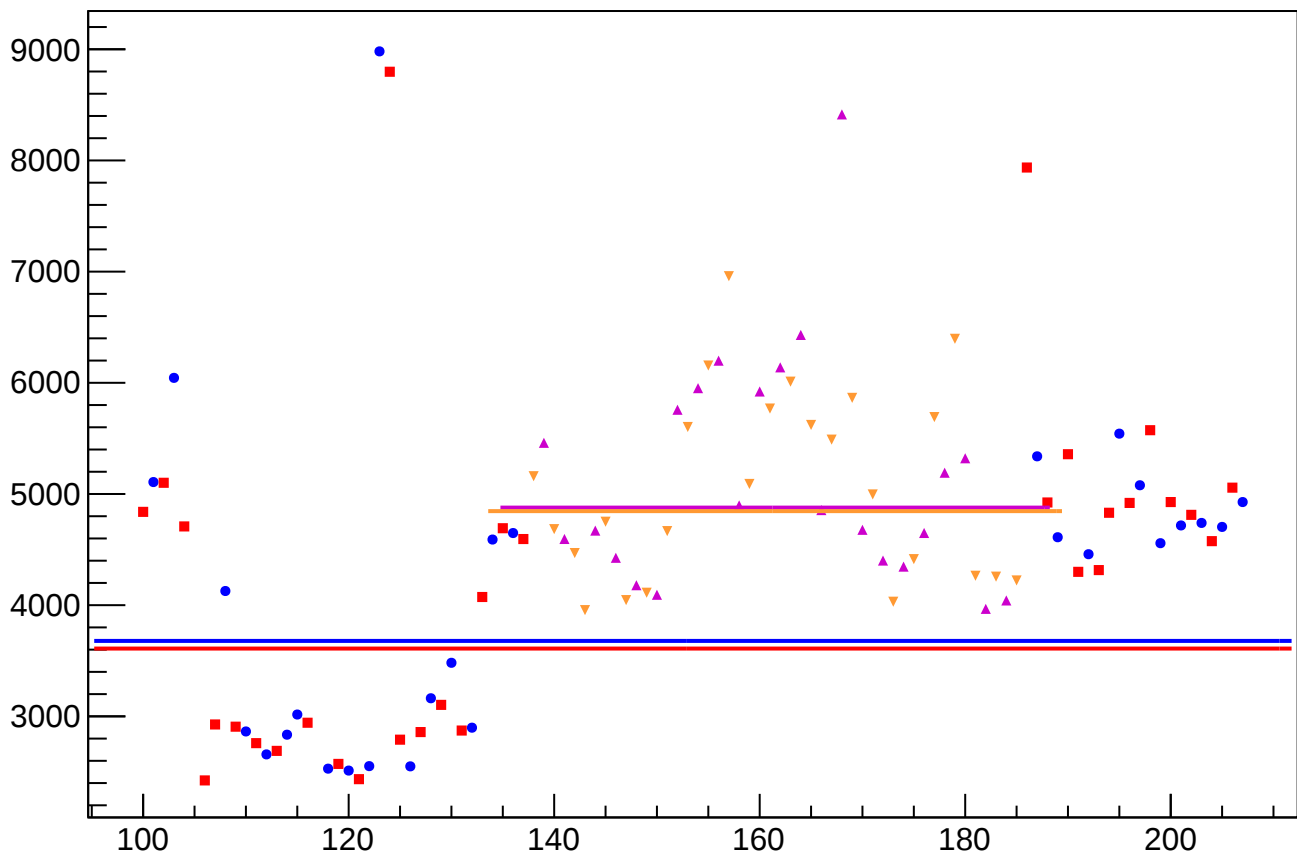
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -679.187 ± 768.496 χ^2/NDF : 58.1/51

All: 473.170 ± 539.824 χ^2/NDF : 111.5/105

- sign 1595.610 ± 758.455 χ^2/NDF : 49.0/53

asym_atl_dd_rms vs Slug



Right In: 3678.555+/-0.732 χ^2/NDF : 2146067.4/26

Left Out: 4845.779+/-0.811 χ^2/NDF : 909173.9/24

Right Out: 3609.733+/-0.691 χ^2/NDF : 2576640.0/30

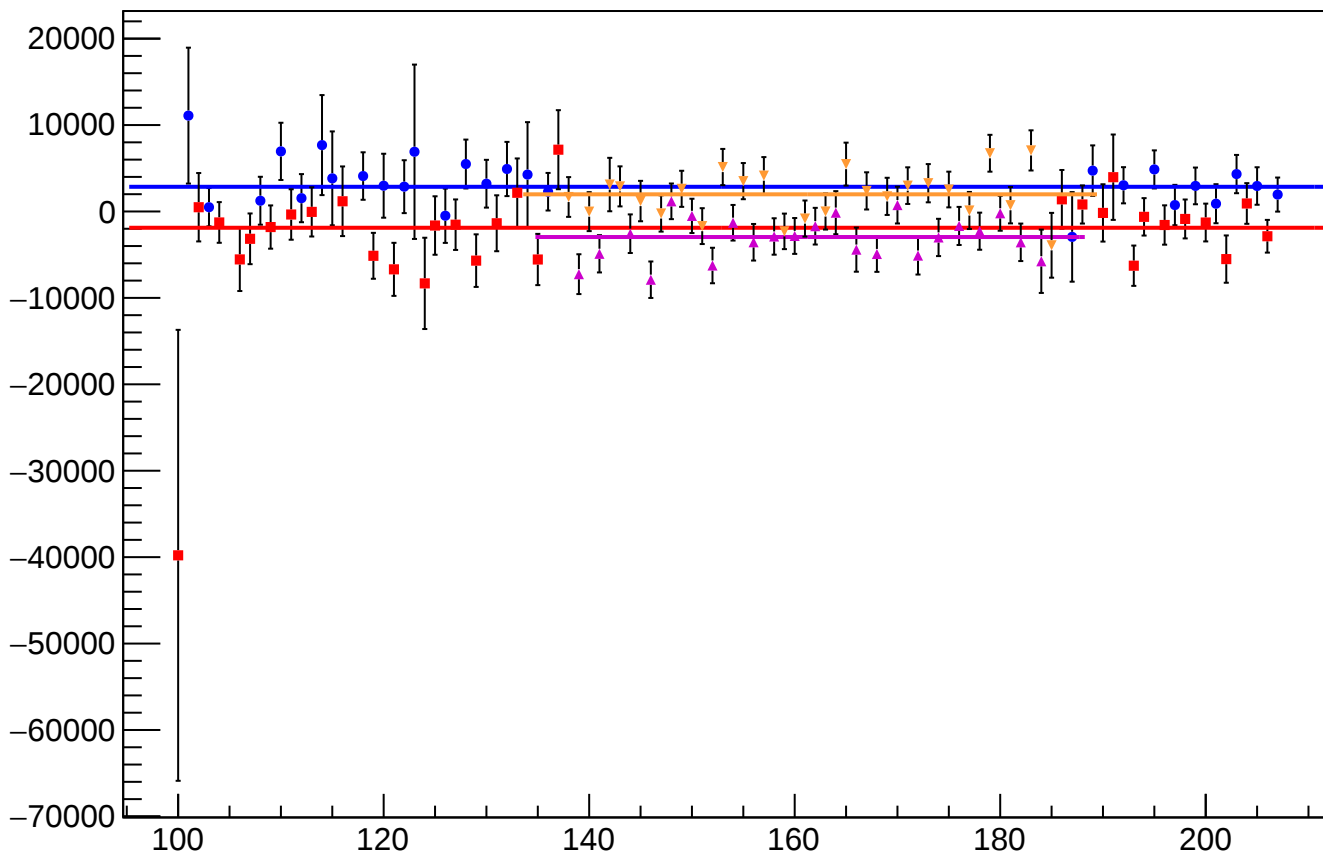
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4202.188+/-0.543 χ^2/NDF : 4196503.7/51

All: 4161.692+/-0.381 χ^2/NDF : 9102556.5/10

- sign 4122.649+/-0.534 χ^2/NDF : 4895144.8/53

reg_asym_atr_avg_mean vs Slug



Right In: 2855.734 ± 533.220 χ^2/NDF : 12.7/26

Left Out: 1985.469 ± 443.190 χ^2/NDF : 32.4/24

Right Out: -1884.561 ± 511.027 χ^2/NDF : 30.3/30

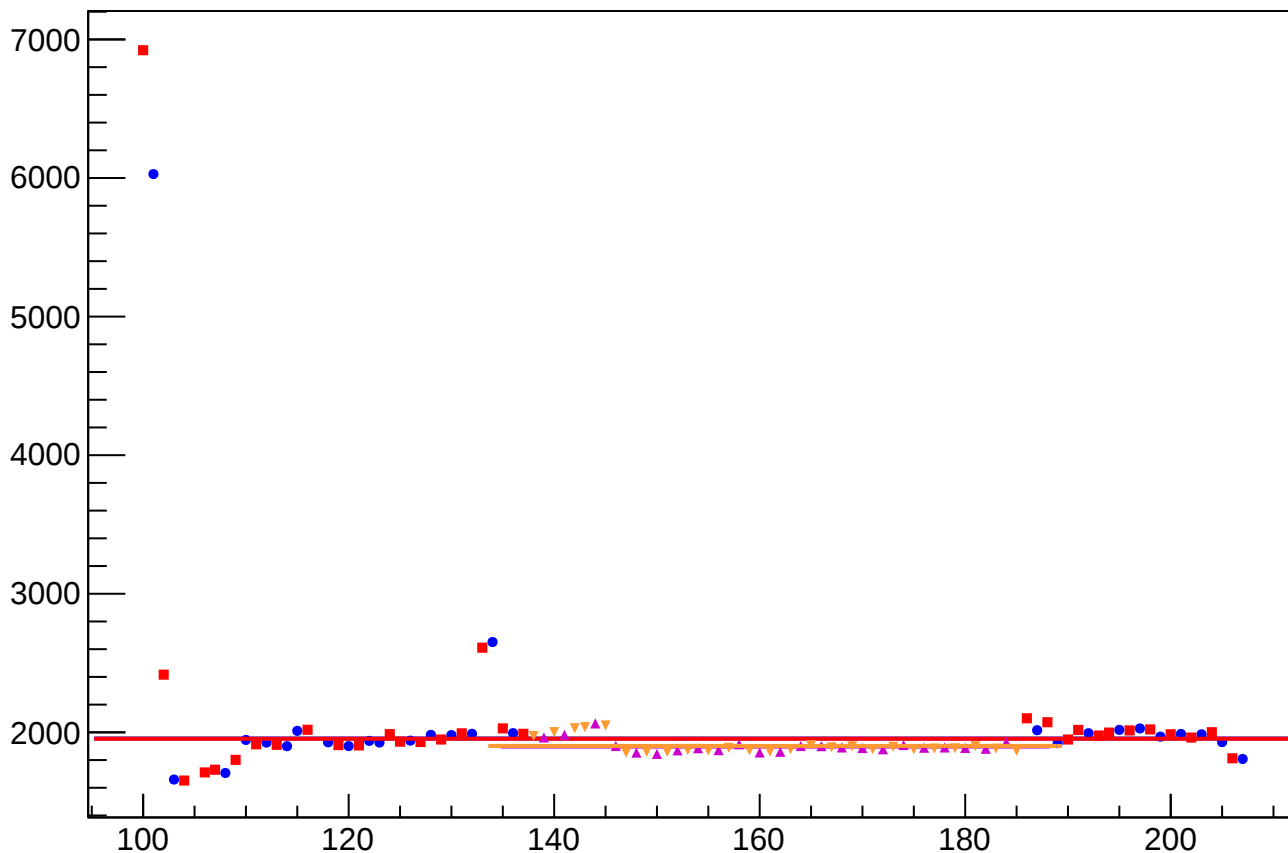
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2341.035 ± 340.832 χ^2/NDF : 46.7/51

All: -79.310 ± 240.580 χ^2/NDF : 208.4/105

- sign -2482.679 ± 339.635 χ^2/NDF : 61.1/53

reg_asym_atr_avg_rms vs Slug



Right In: 1955.382 $\pm$ 0.377 χ^2 /NDF: 634520.3/26

Left Out: 1901.884 $\pm$ 0.313 χ^2 /NDF:30446.9/24

Right Out: 1953.938 $\pm$ 0.361 χ^2 /NDF: 247232.1/30

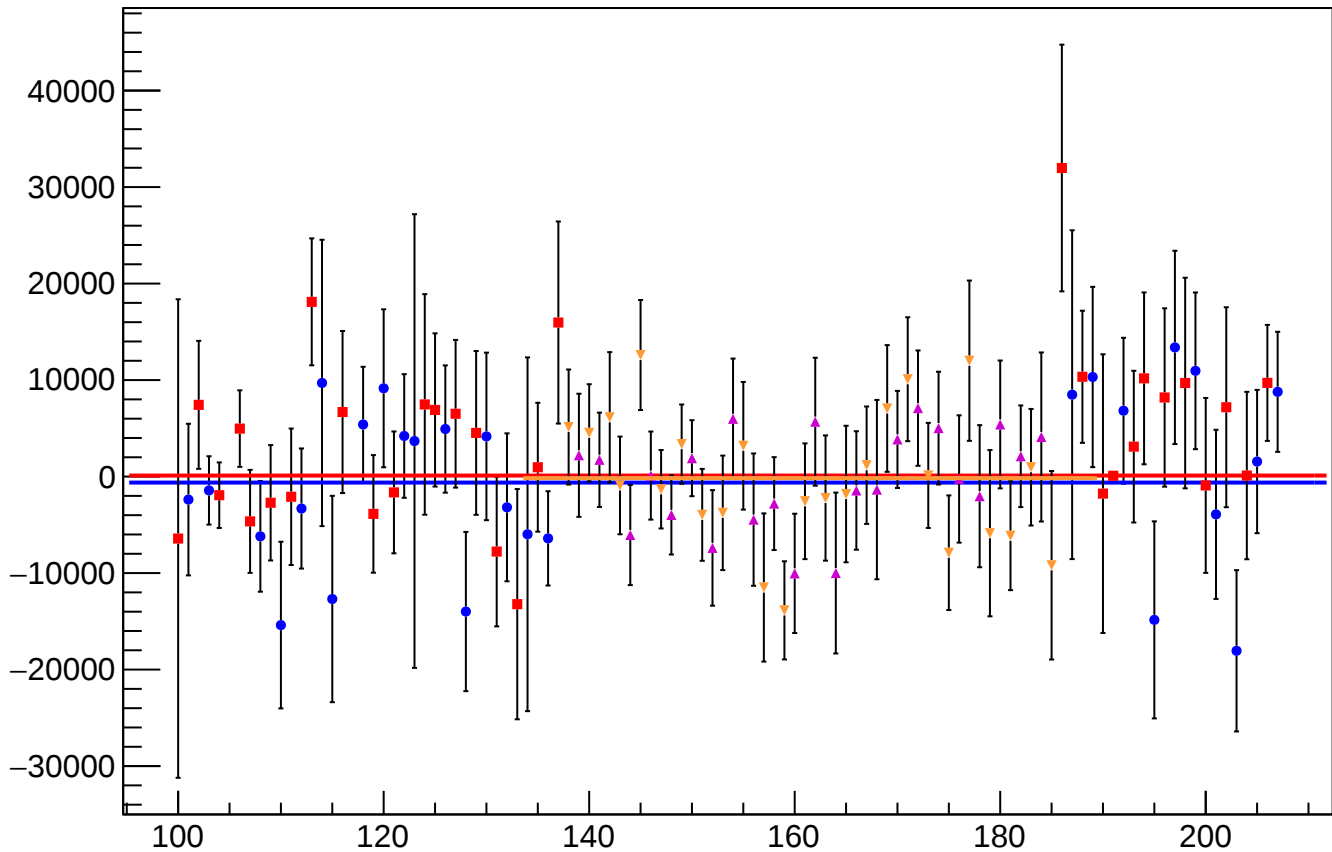
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF:21180.1/22

+ sign 1923.742 $\pm$ 0.241 χ^2 /NDF: 676874.0/51

All: 1923.086 $\pm$ 0.170 χ^2 /NDF: 958958.3/105

- sign 1922.436 $\pm$ 0.240 χ^2 /NDF: 282069.6/53

asym_atr_avg_correction_mean vs Slug



Right In: -621.228 ± 1415.380 χ^2/NDF : 29.6/26

Left Out: -157.539 ± 1165.844 χ^2/NDF : 29.5/24

Right Out: 106.075 ± 109.551 χ^2/NDF : 34.1/30

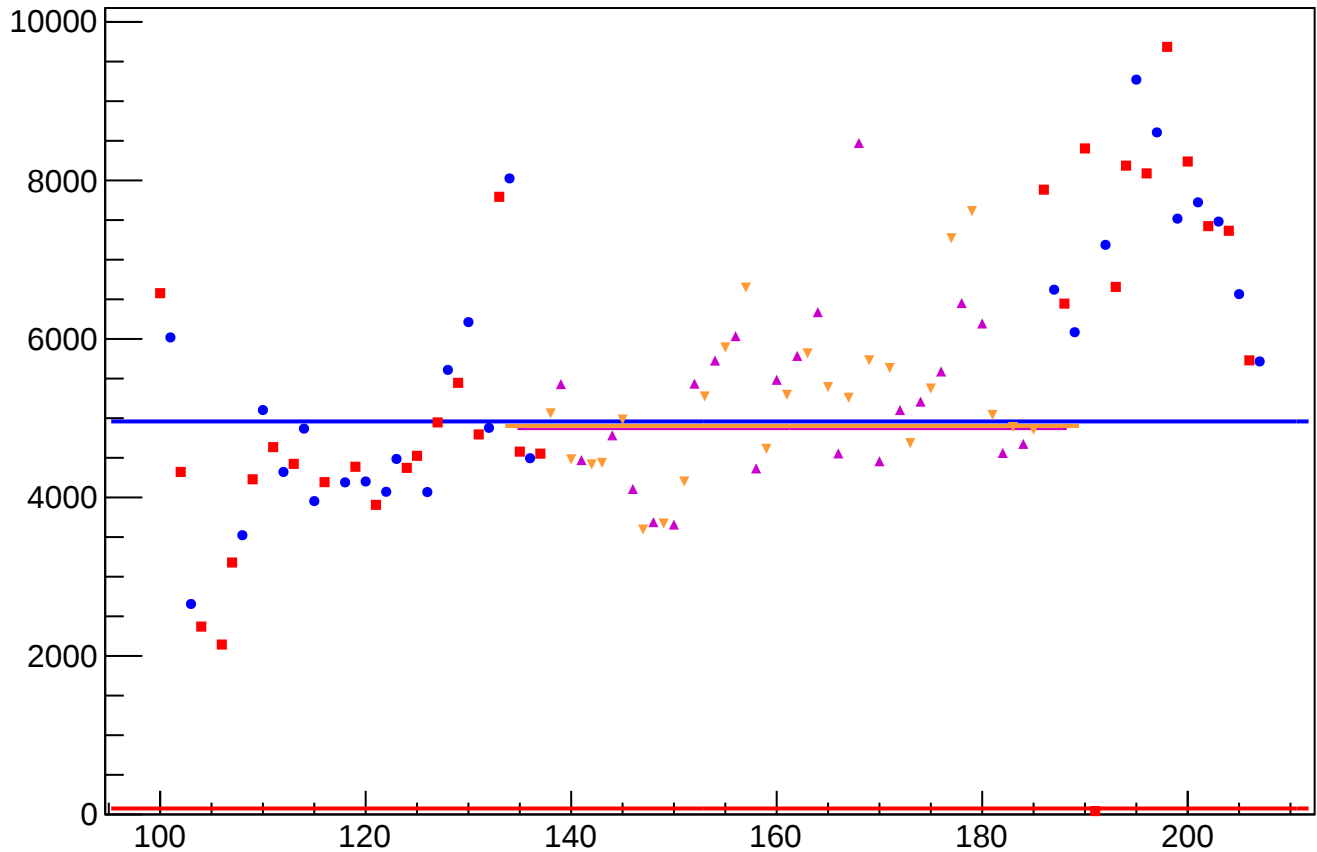
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -344.972 ± 899.877 χ^2/NDF : 59.2/51

All: 97.516 ± 108.298 χ^2/NDF : 108.3/105

- sign 104.019 ± 109.091 χ^2/NDF : 48.8/53

asym_atr_avg_correction_rms vs Slug



Right In: 4959.097+/-1.001 χ^2/NDF : 2847825.0/26

Left Out: 4901.357+/-0.824 χ^2/NDF :1136916.0/24

Right Out: 75.373+/-0.077 χ^2/NDF : 28604980.9/30

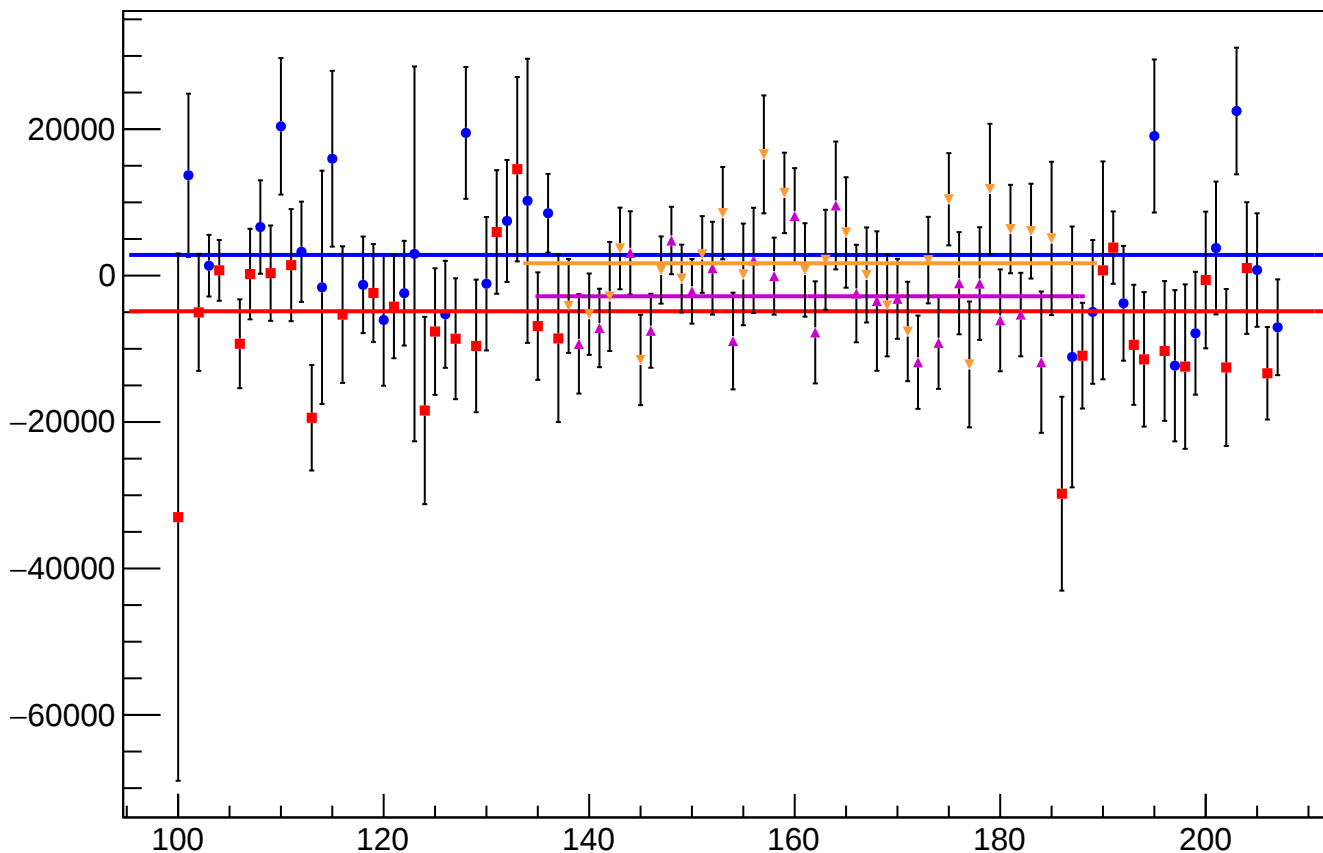
Left In: 4875.112+/-0.842 χ^2/NDF :1229198.0/22

+ sign 4924.696+/-0.636 χ^2/NDF : 3986724.0/51

All: 185.302+/-0.077 χ^2/NDF : 122328150.0/3

- sign 115.650+/-0.077 χ^2/NDF : 62049513.4/53

asym_atr_avg_mean vs Slug



Right In: 2820.502 ± 1557.707 χ^2/NDF : 30.2/26

Left Out: 1686.531 ± 1261.650 χ^2/NDF : 25.4/24

Right Out: -4868.030 ± 1402.533 χ^2/NDF : 27.1/30

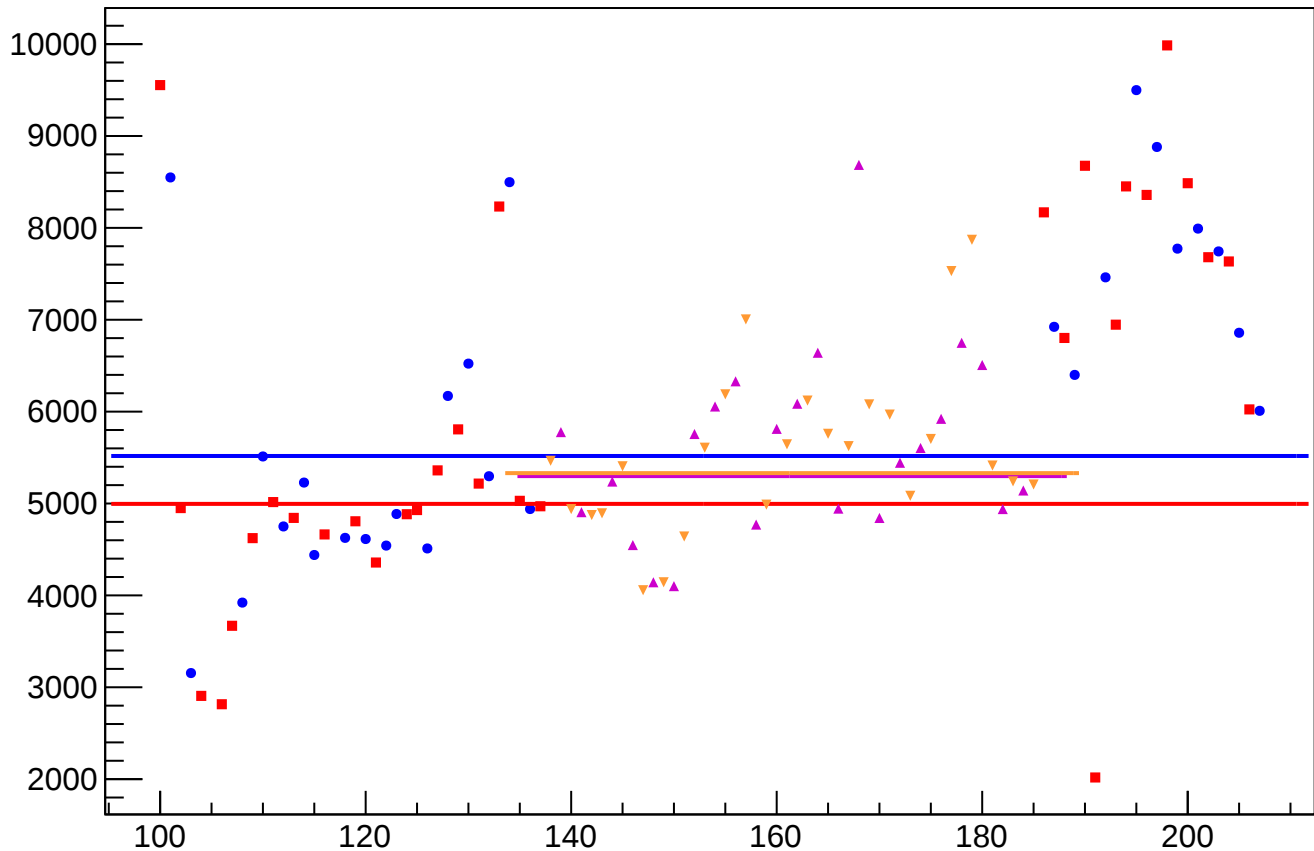
Left In: -2824.078 ± 1288.414 χ^2/NDF : 18.0/22

+ sign 2135.739 ± 980.411 χ^2/NDF : 56.0/51

All: -908.376 ± 681.816 χ^2/NDF : 120.9/105

- sign -3759.530 ± 948.830 χ^2/NDF : 46.3/53

asym_atr_avg_rms vs Slug



Right In: 5517.325+/-1.101 χ^2/NDF : 2335875.9/26

Left Out: 5330.725+/-0.892 χ^2/NDF : 868061.7/24

Right Out: 4995.952+/-0.988 χ^2/NDF : 3866814.4/30

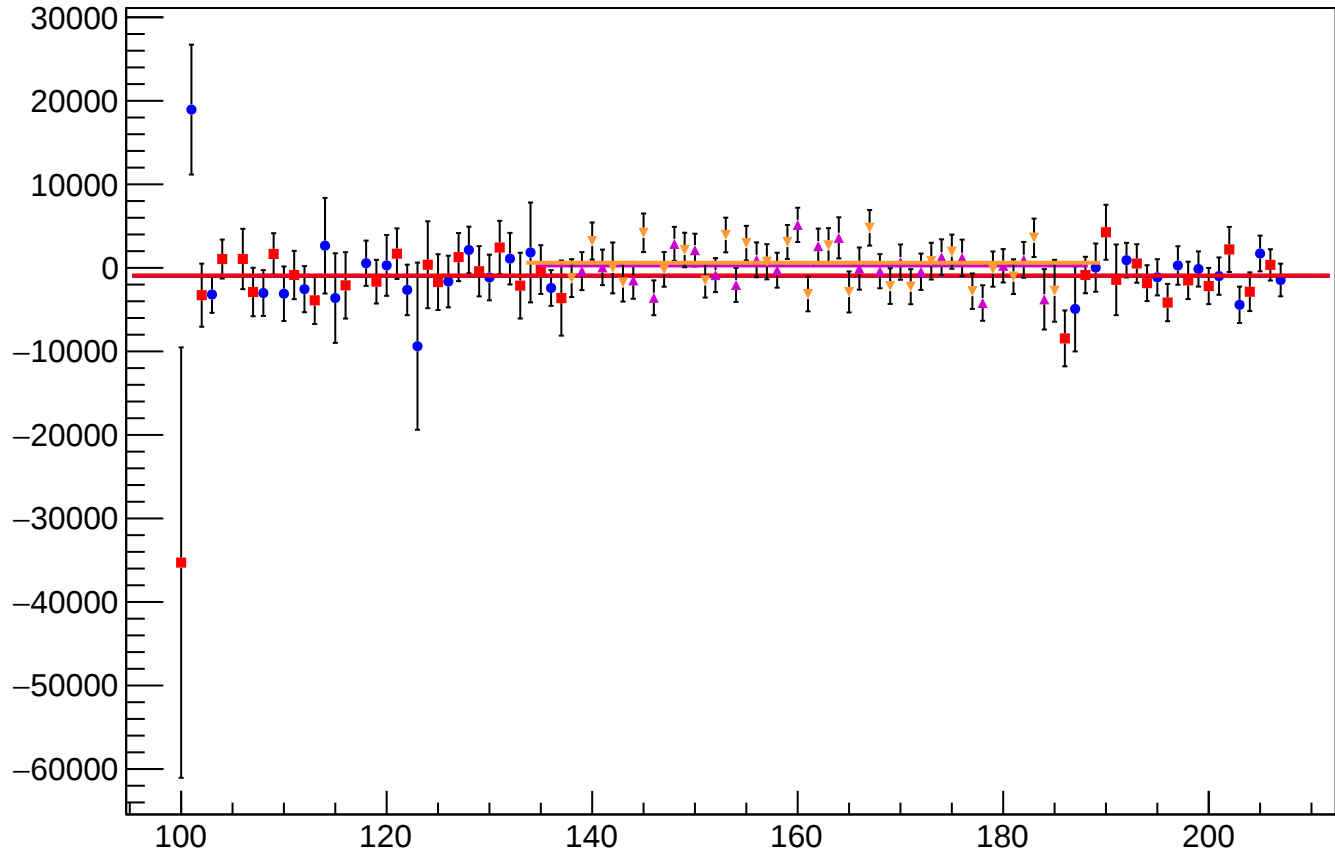
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5404.644+/-0.693 χ^2/NDF : 3221268.5/51

All: 5277.775+/-0.482 χ^2/NDF : 8159478.9/10

- sign 5159.365+/-0.670 χ^2/NDF : 4873461.9/53

reg_asym_atr_dd_mean vs Slug



Right In: -952.305 ± 526.480 χ^2/NDF : 19.6/26

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -921.259 ± 503.866 χ^2/NDF : 22.2/30

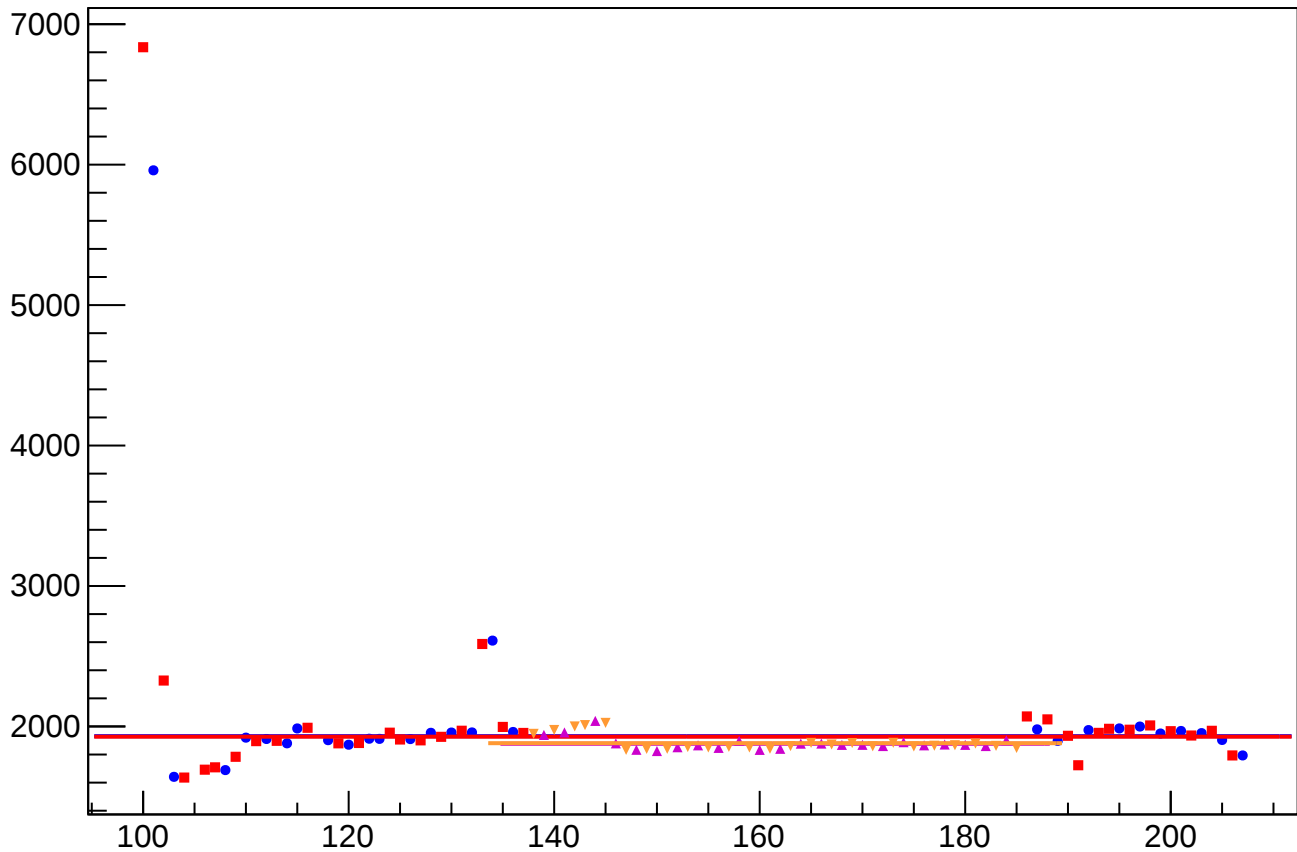
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign -28.113 ± 336.831 χ^2/NDF : 57.5/51

All: -137.104 ± 237.688 χ^2/NDF : 106.8/105

- sign -245.206 ± 335.456 χ^2/NDF : 49.1/53

reg_asym_atr_dd_rms vs Slug



Right In: 1930.815+/-0.372 χ^2/NDF : 631435.1/26

Left Out: 1880.808+/-0.310 χ^2/NDF : 28655.5/24

Right Out: 1927.101+/-0.356 χ^2/NDF : 245124.0/30

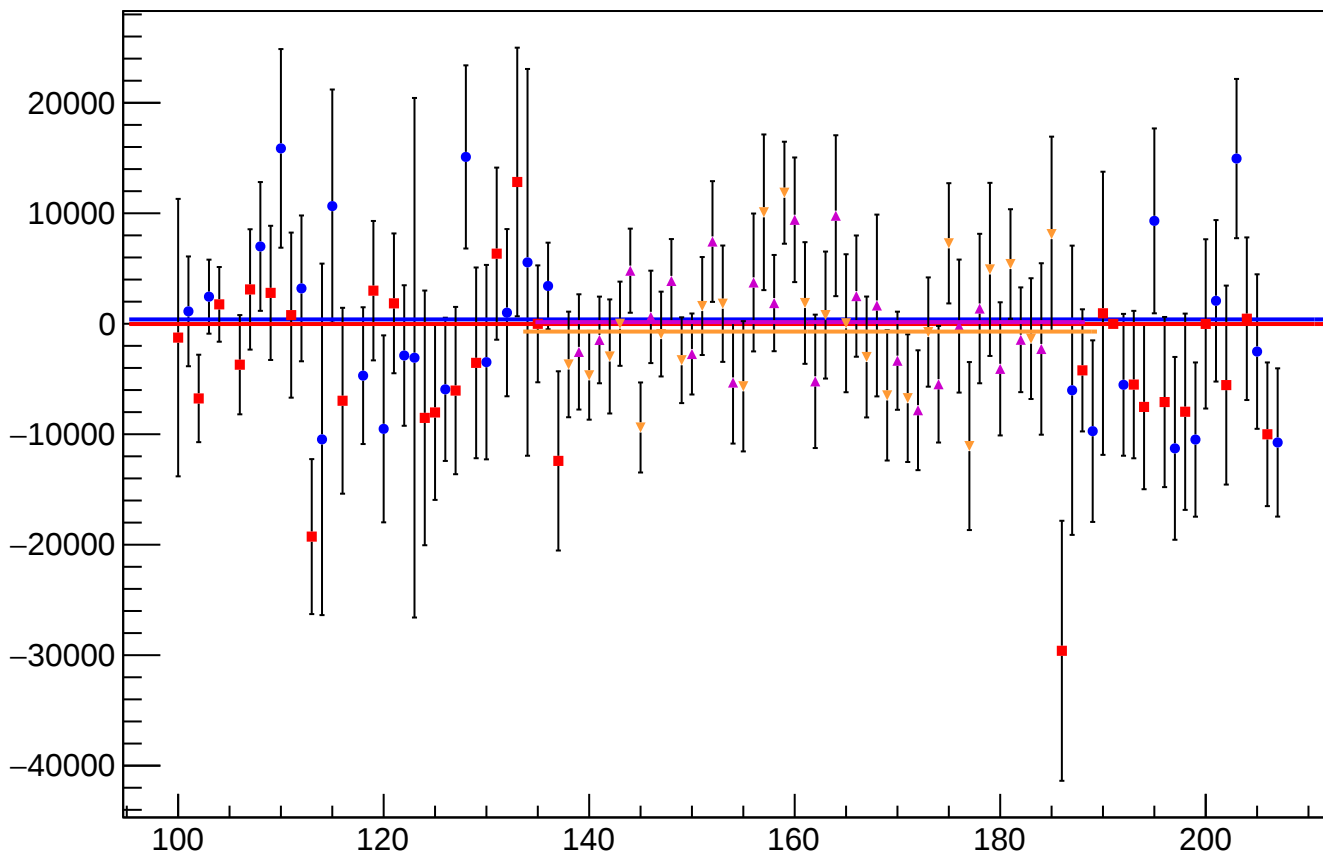
Left In: 1876.685+/-0.318 χ^2/NDF : 20499.7/22

+ sign 1901.277+/-0.238 χ^2/NDF : 670748.8/51

All: 1900.163+/-0.168 χ^2/NDF : 947577.6/105

- sign 1899.058+/-0.237 χ^2/NDF : 276785.3/53

asym_atr_dd_correction_mean vs Slug



Right In: 393.582 ± 1306.485 $\chi^2/\text{NDF}: 28.8/26$

Left Out: -707.785 ± 1017.719 $\chi^2/\text{NDF}: 27.1/24$

Right Out: -24.573 ± 85.796 $\chi^2/\text{NDF}: 32.4/30$

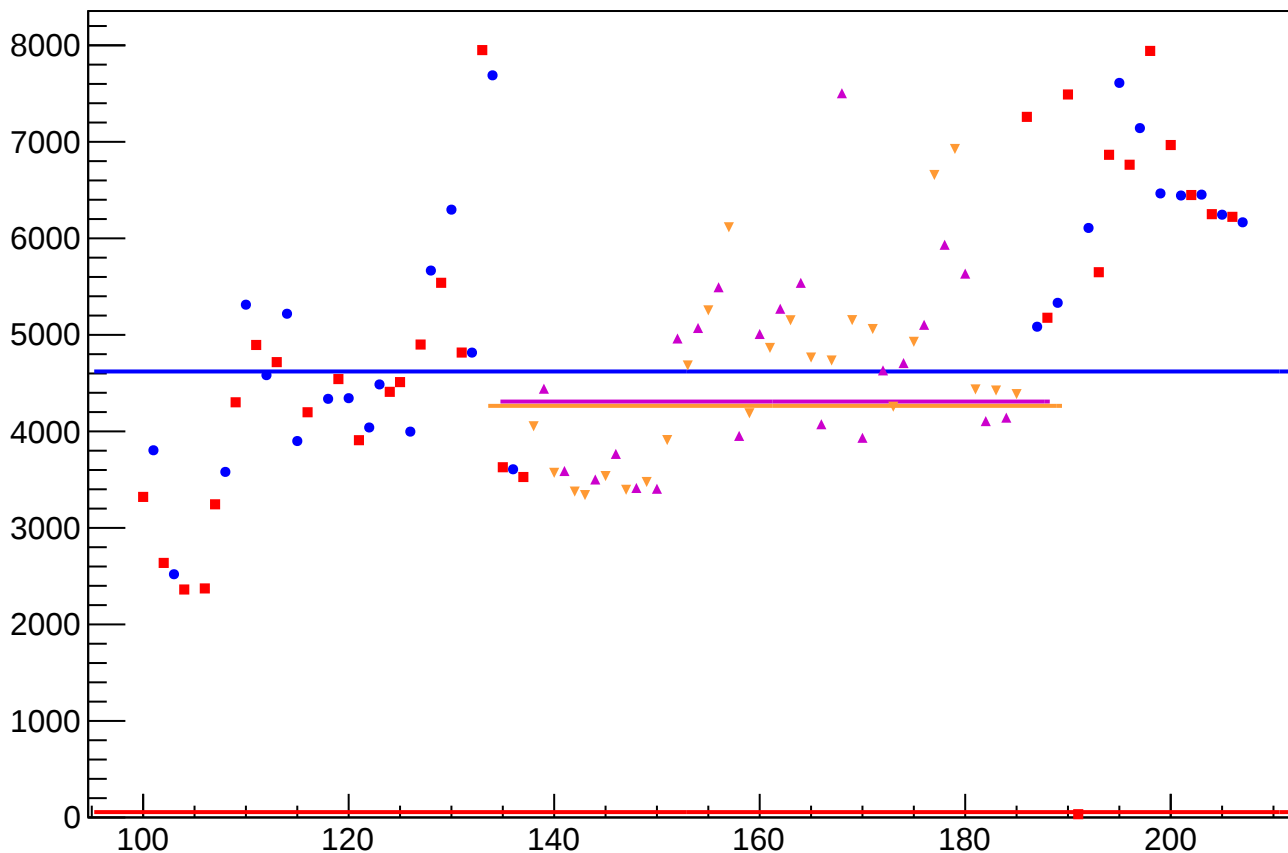
Left In: 150.495 ± 1053.655 $\chi^2/\text{NDF}: 16.9/22$

+ sign -291.859 ± 802.873 $\chi^2/\text{NDF}: 56.3/51$

All: -26.431 ± 85.032 $\chi^2/\text{NDF}: 105.8/105$

- sign -23.420 ± 85.513 $\chi^2/\text{NDF}: 49.3/53$

asym_atr_dd_correction_rms vs Slug



Right In: 4620.767 $\pm$ 0.924 χ^2 /NDF: 2443810.2/26

Left Out: 4264.433 $\pm$ 0.720 χ^2 /NDF:1354900.8/24

Right Out: 55.405 $\pm$ 0.061 χ^2 /NDF: 28776814.0/30

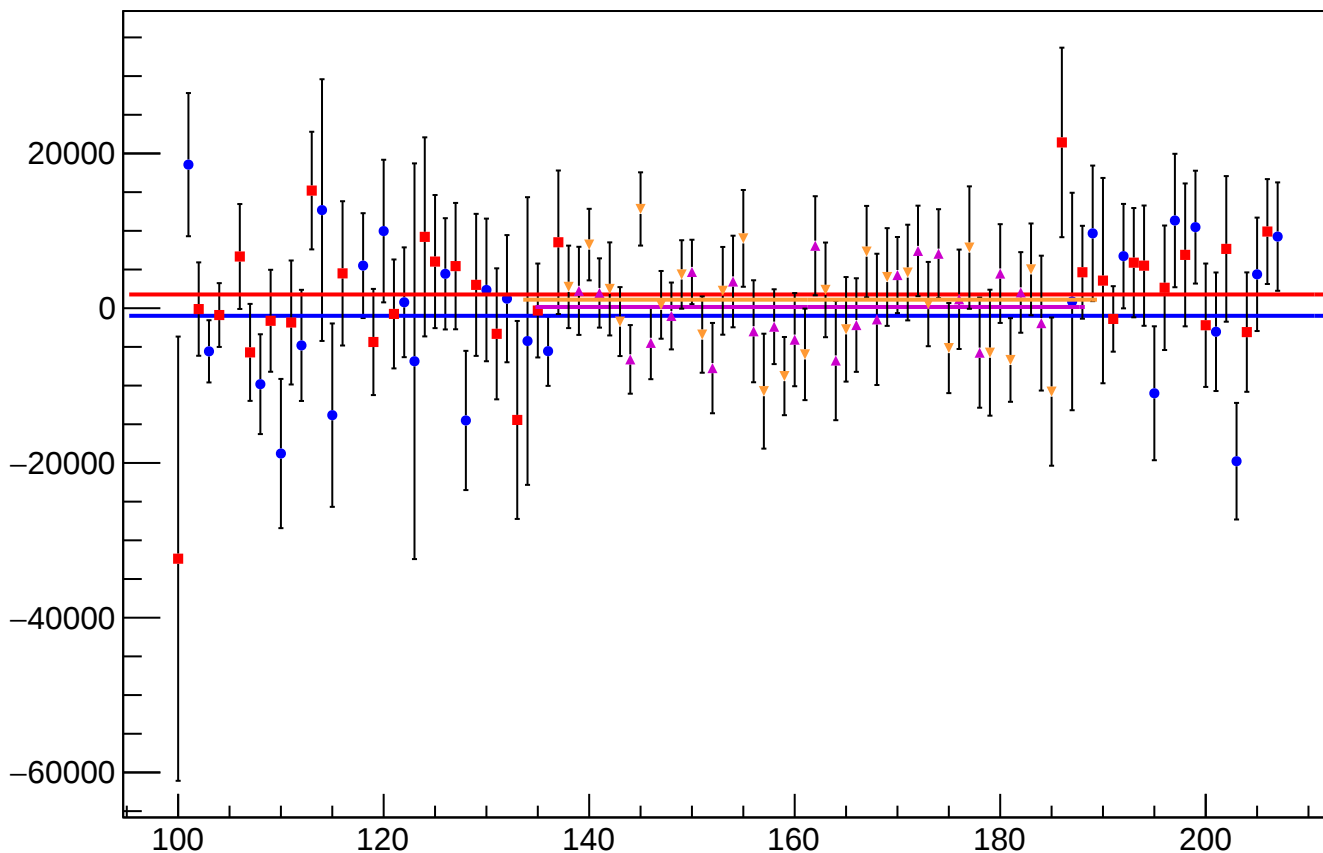
Left In: 4309.034 $\pm$ 0.745 χ^2 /NDF:1305133.3/22

+ sign 4399.001 $\pm$ 0.568 χ^2 /NDF: 3891303.3/51

All: 131.831 $\pm$ 0.060 χ^2 /NDF: 123490419.4/3

- sign 83.423 $\pm$ 0.060 χ^2 /NDF: 62462340.7/53

asym_atr_dd_mean vs Slug



Right In: -981.942 ± 1468.998 χ^2/NDF : 37.3/26

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1775.559 ± 1319.876 χ^2/NDF : 18.6/30

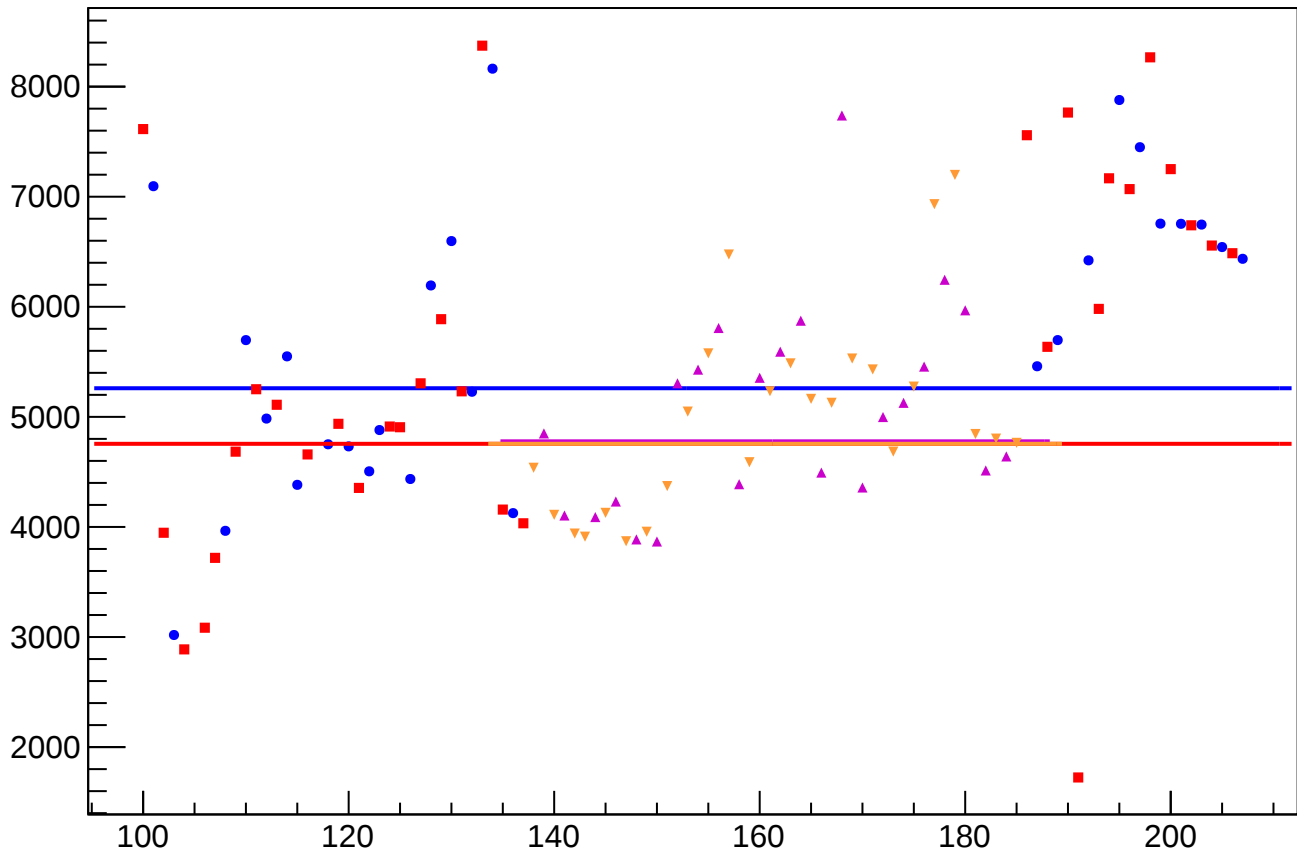
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 330.304 ± 894.000 χ^2/NDF : 67.1/51

All: 603.991 ± 624.213 χ^2/NDF : 102.3/105

- sign 864.346 ± 871.954 χ^2/NDF : 35.0/53

asym_atr_dd_rms vs Slug



Right In: 5260.095+/-1.039 χ^2/NDF : 1839539.5/26

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 4755.213+/-0.930 χ^2/NDF : 3429918.2/30

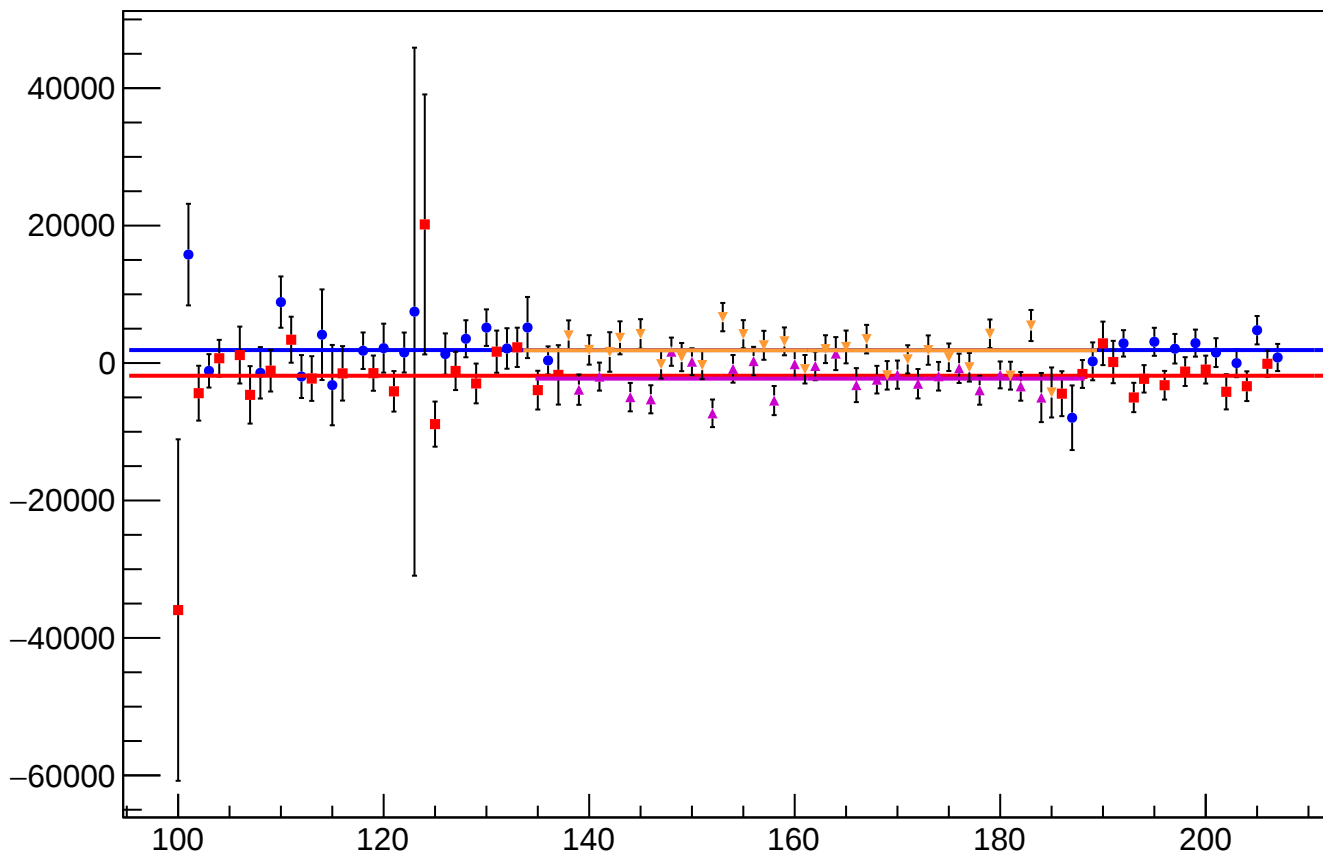
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4942.312+/-0.632 χ^2/NDF : 2941516.6/51

All: 4852.811+/-0.441 χ^2/NDF : 7361116.0/10

- sign 4767.922+/-0.616 χ^2/NDF : 4380541.7/53

reg_asym_at1_avg_mean vs Slug



Right In: 1888.129+/-517.199 χ^2/NDF : 23.6/26

Left Out: 1856.570+/-430.977 χ^2/NDF :30.0/24

Right Out: -1848.238+/-496.900 χ^2/NDF : 25.8/30

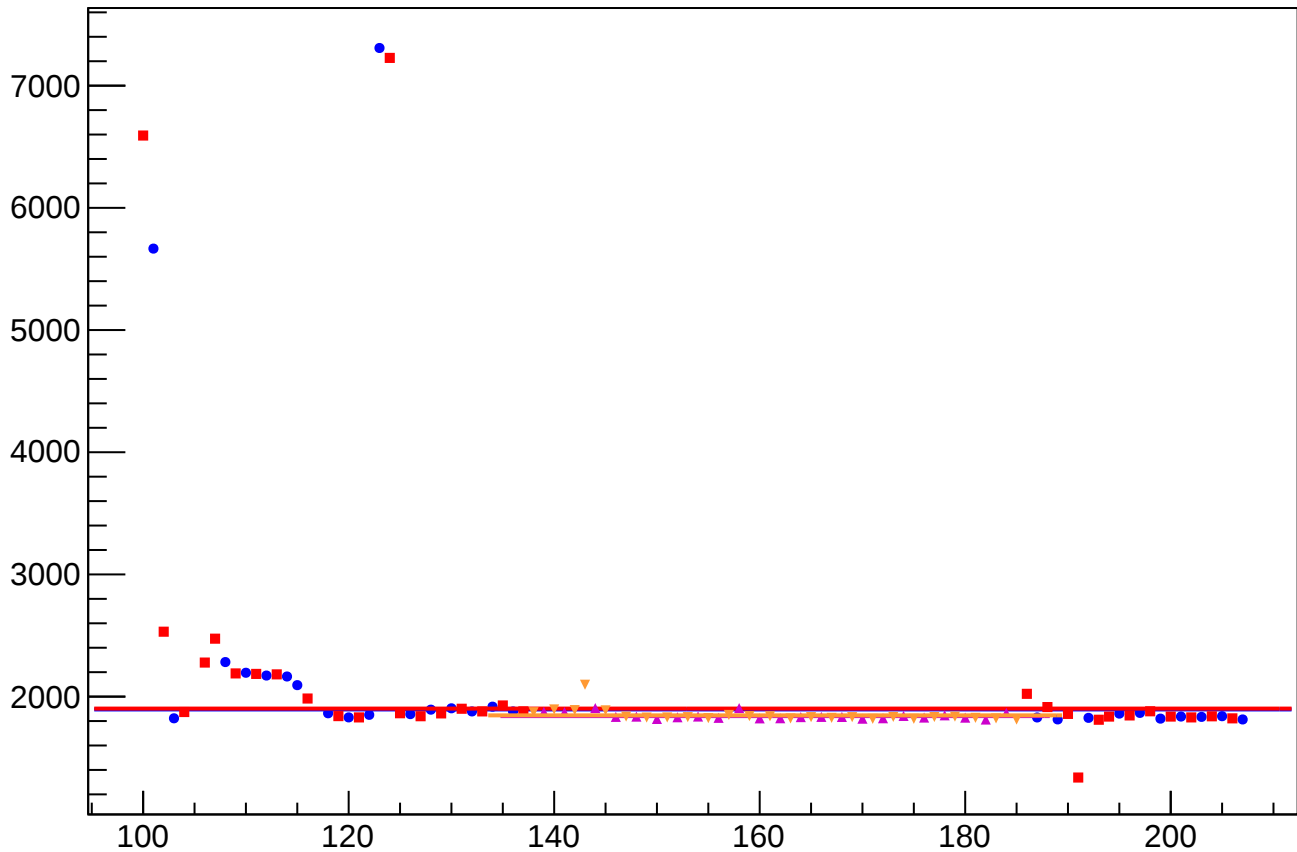
Left In: -2268.464+/-441.710 χ^2/NDF :26.9/22

+ sign 1869.503+/-331.092 χ^2/NDF : 53.6/51

All: -112.480+/-233.777 χ^2/NDF : 178.1/105

- sign -2082.975+/-330.131 χ^2/NDF : 53.1/53

reg_asym_at1_avg_rms vs Slug



Right In: 1894.978+/-0.366 χ^2/NDF : 636693.3/26

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1902.044+/-0.351 χ^2/NDF : 472725.0/30

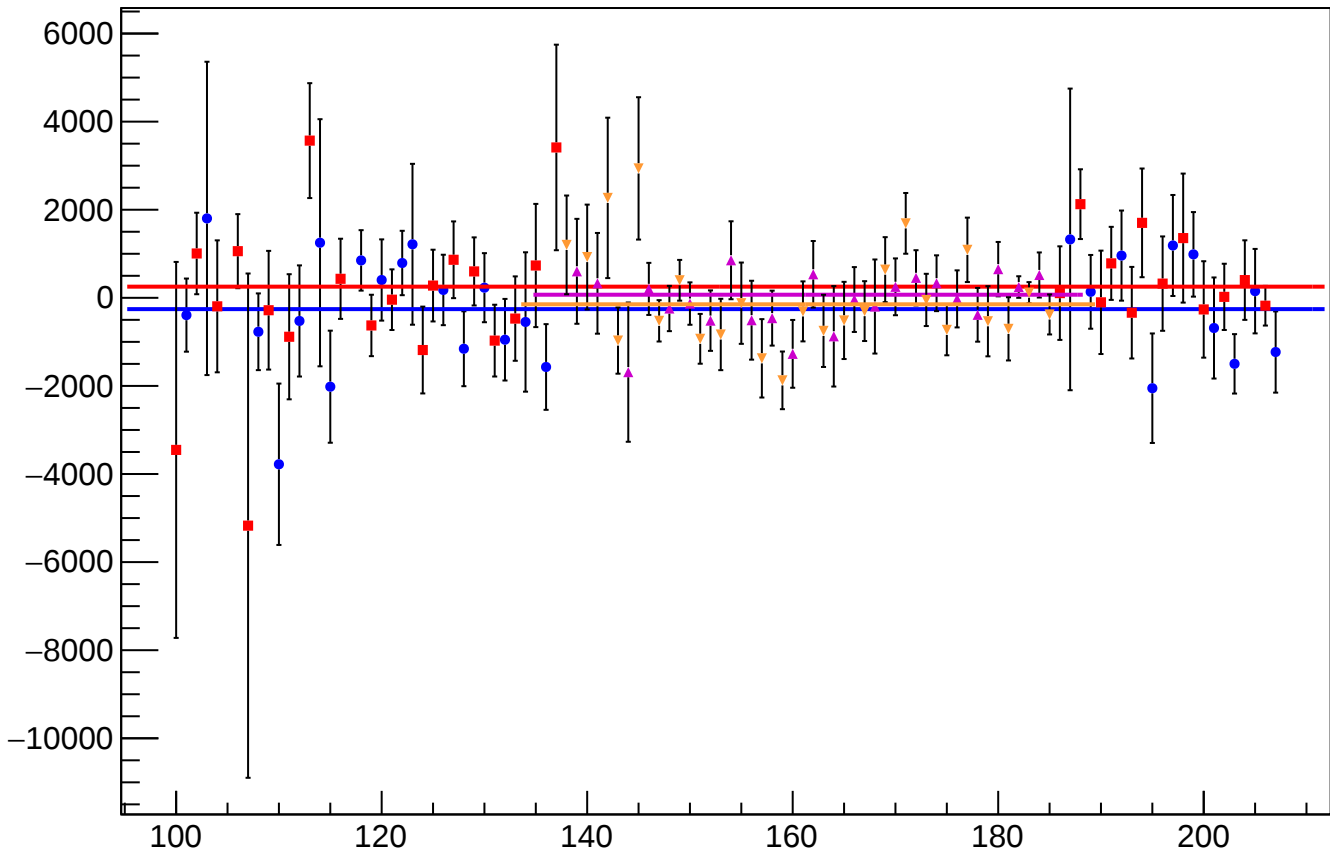
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1866.427+/-0.234 χ^2/NDF : 674323.1/51

All: 1867.060+/-0.165 χ^2/NDF : 1170917.5/10

- sign 1867.689+/-0.233 χ^2/NDF : 496579.9/53

asym_at1_avg_correction_mean vs Slug



Right In: -256.571 ± 191.144 χ^2/NDF : 28.7/26

Left Out: -146.999 ± 121.984 χ^2/NDF : 37.7/24

Right Out: 253.487 ± 168.342 χ^2/NDF : 29.7/30

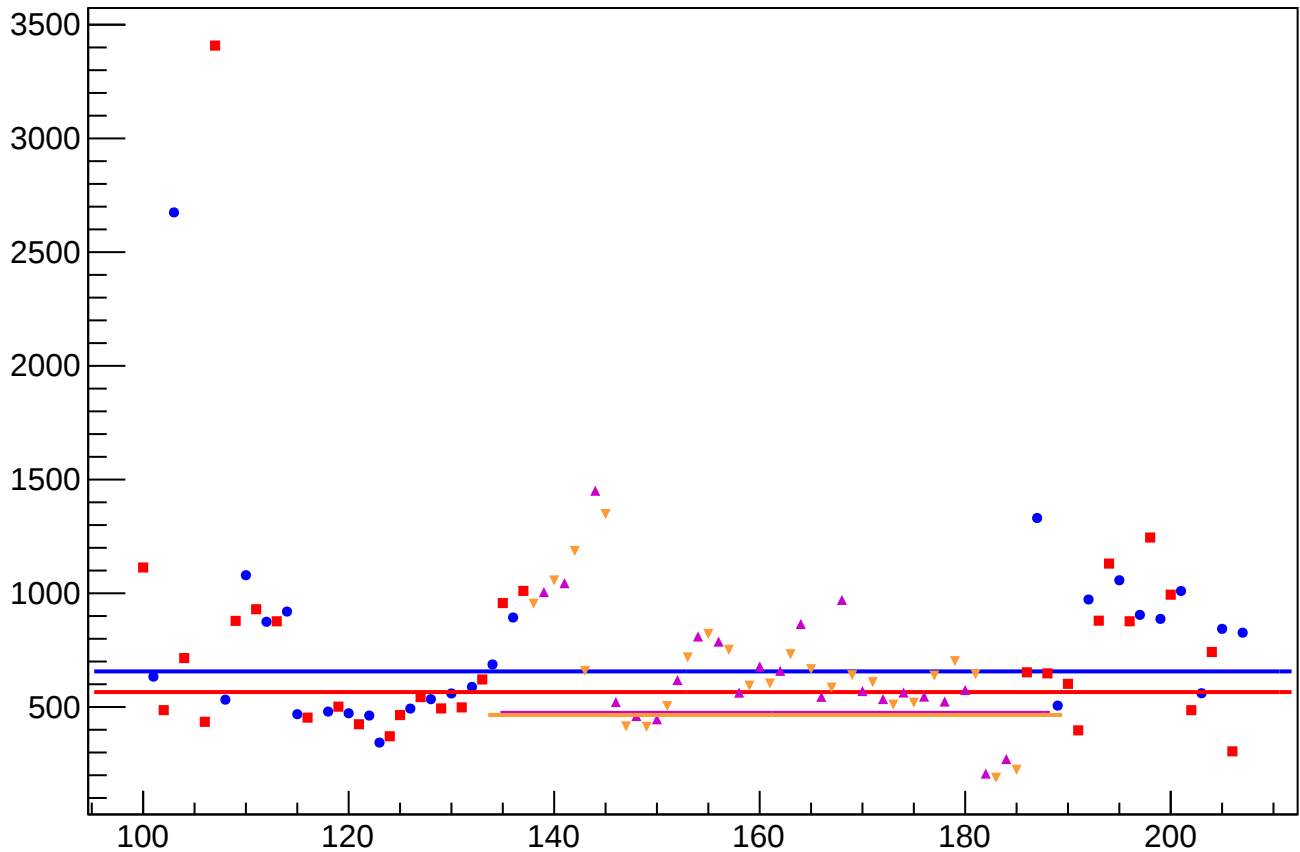
Left In: 70.340 ± 126.373 χ^2/NDF : 12.3/22

+ sign -178.709 ± 102.829 χ^2/NDF : 66.6/51

All: -18.454 ± 72.079 χ^2/NDF : 114.1/105

- sign 136.351 ± 101.065 χ^2/NDF : 42.7/53

asym_at1_avg_correction_rms vs Slug



Right In: 656.552 ± 0.135 $\chi^2/\text{NDF}: 2737785.3/26$

Left Out: 465.080 ± 0.086 $\chi^2/\text{NDF}: 7086137.6/24$

Right Out: 565.674 ± 0.119 $\chi^2/\text{NDF}: 3866401.1/30$

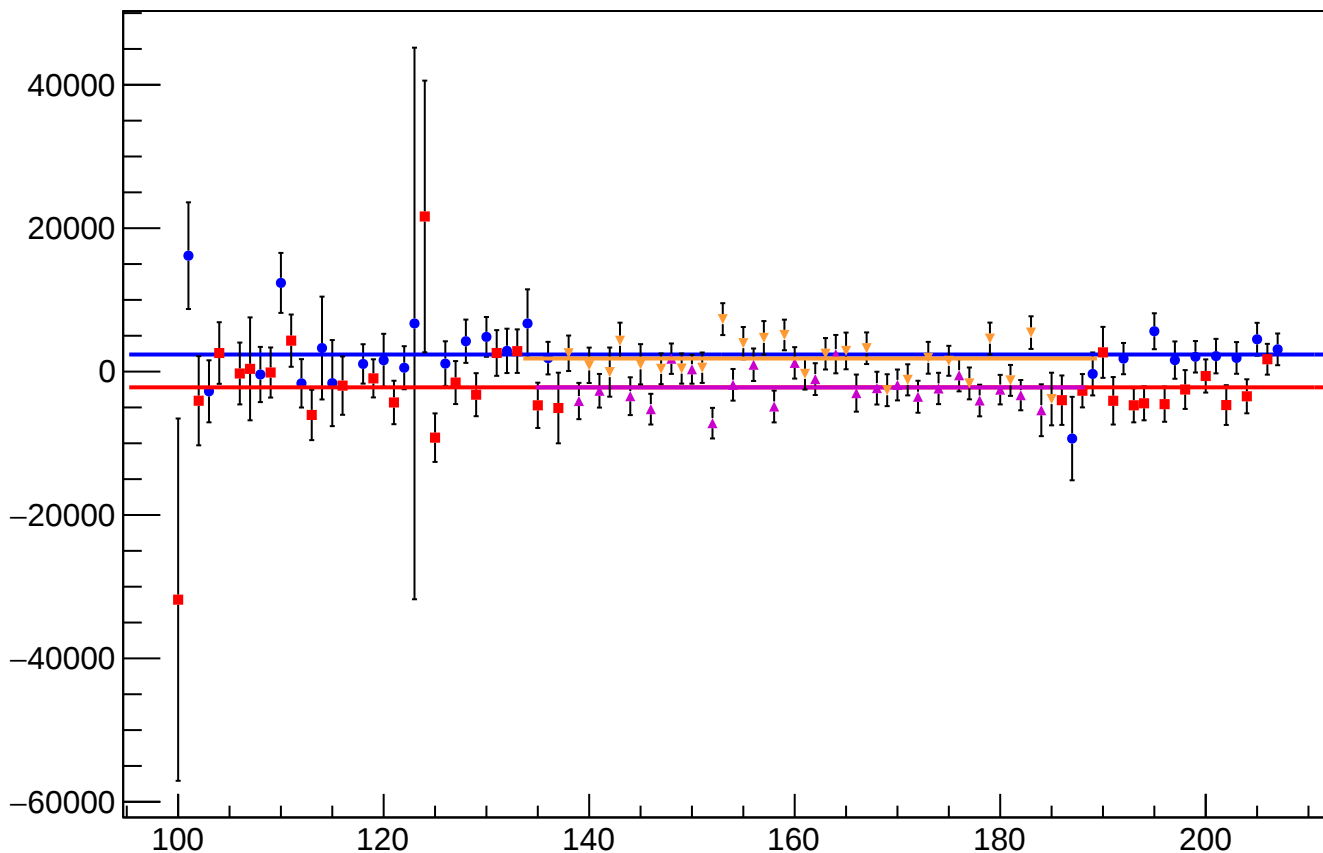
Left In: 474.263 ± 0.089 $\chi^2/\text{NDF}: 6173100.1/22$

+ sign 520.493 ± 0.073 $\chi^2/\text{NDF}: 11249985.6/51$

All: 513.737 ± 0.051 $\chi^2/\text{NDF}: 21683637.2/10$

- sign 507.210 ± 0.071 $\chi^2/\text{NDF}: 10416675.9/53$

asym_at1_avg_mean vs Slug



Right In: 2382.142 $\pm$ 580.128 χ^2 /NDF: 23.6/26

Left Out: 1824.066 $\pm$ 462.694 χ^2 /NDF:32.1/24

Right Out: -2195.393 $\pm$ 561.482 χ^2 /NDF: 30.8/30

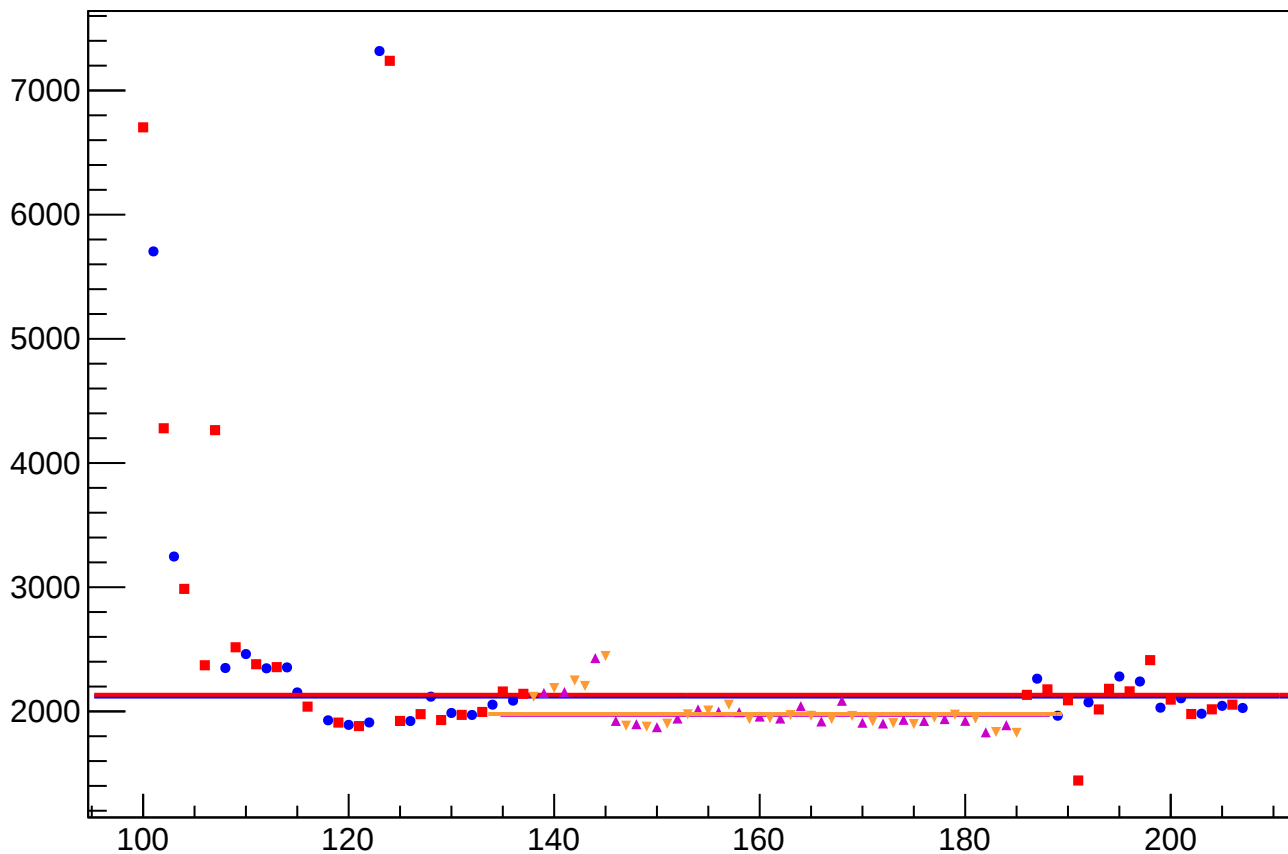
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 2041.045 $\pm$ 361.731 χ^2 /NDF: 56.2/51

All: -78.039 $\pm$ 255.954 χ^2 /NDF: 181.1/105

- sign -2202.820 $\pm$ 362.217 χ^2 /NDF: 56.2/53

asym_at1_avg_rms vs Slug



Right In: 2119.581 $\pm$ 0.410 χ^2 /NDF: 750364.5/26

Left Out: 1978.997 $\pm$ 0.327 χ^2 /NDF:139299.8/24

Right Out: 2133.968 $\pm$ 0.397 χ^2 /NDF: 941538.2/30

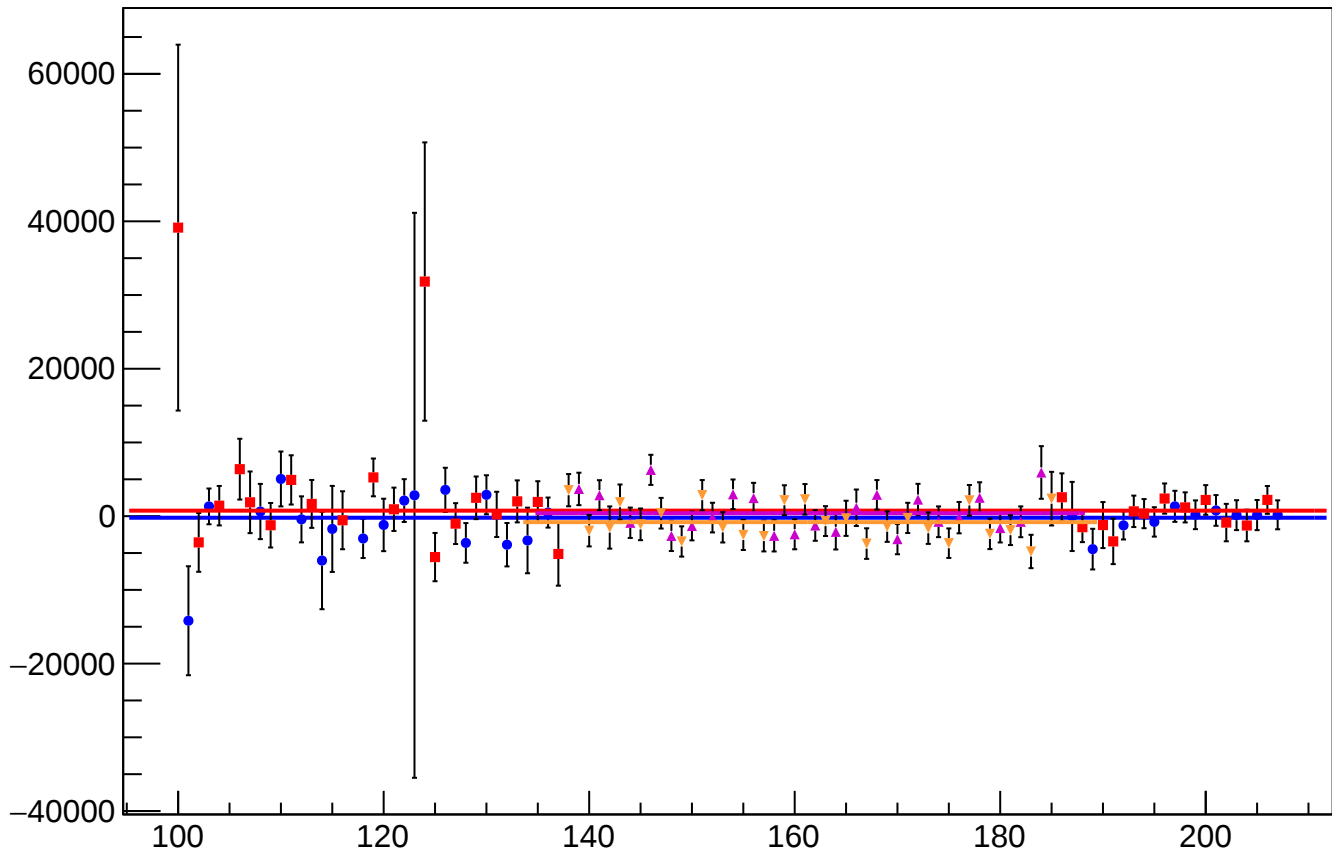
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2033.656 $\pm$ 0.256 χ^2 /NDF: 961450.0/51

All: 2036.575 $\pm$ 0.181 χ^2 /NDF: 2116666.7/10

- sign 2039.503 $\pm$ 0.256 χ^2 /NDF: 1154955.9/53

reg_asym_at1_dd_mean vs Slug



Right In: -210.918 ± 513.866 χ^2/NDF : 19.1/26

Left Out: -808.436 ± 430.304 χ^2/NDF : 27.9/24

Right Out: 749.550 ± 493.525 χ^2/NDF : 27.2/30

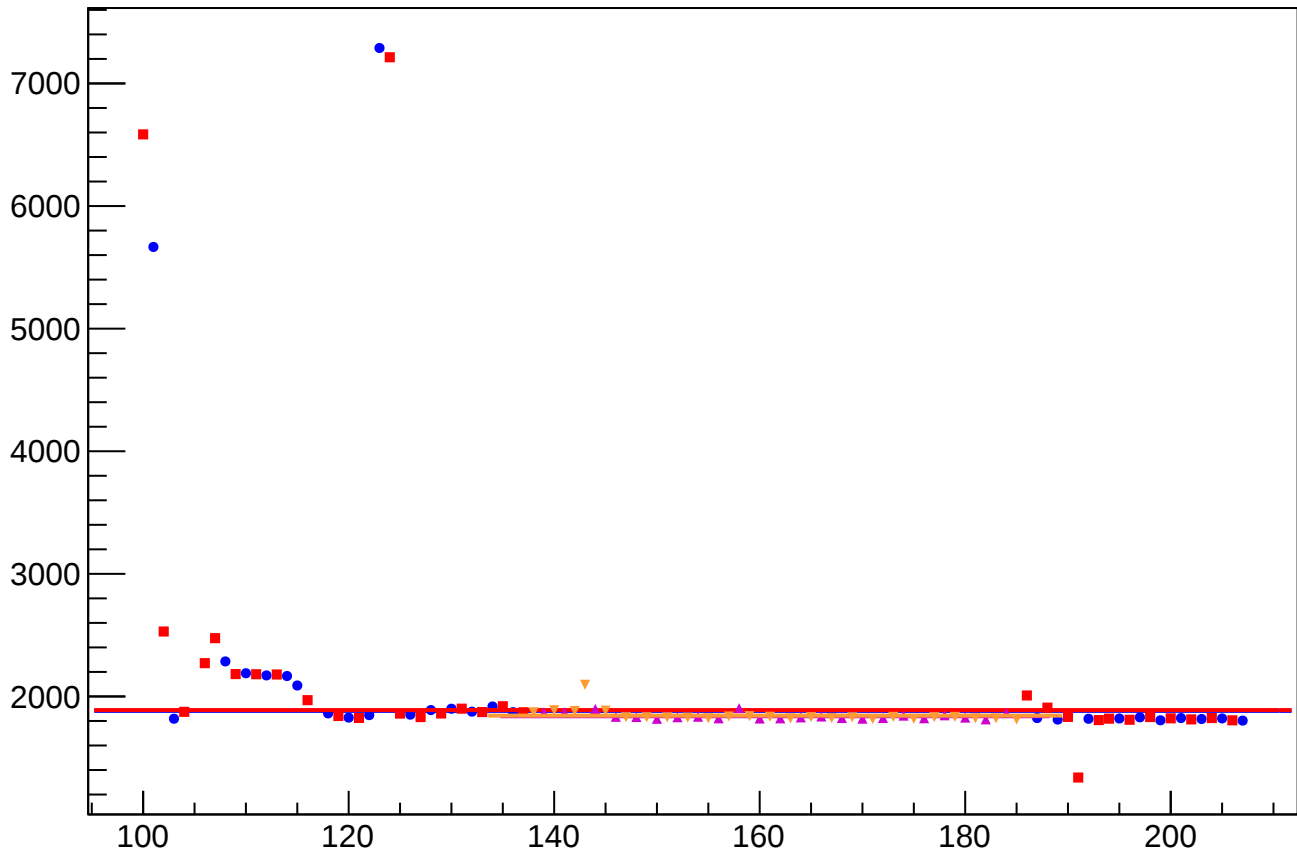
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -562.149 ± 329.910 χ^2/NDF : 47.8/51

All: -2.127 ± 232.939 χ^2/NDF : 115.4/105

- sign 554.618 ± 328.944 χ^2/NDF : 61.9/53

reg_asym_at1_dd_rms vs Slug



Right In: 1882.438+/-0.363 χ^2/NDF : 645906.4/26

Left Out: 1843.747+/-0.304 χ^2/NDF : 26867.4/24

Right Out: 1888.911+/-0.349 χ^2/NDF : 480101.5/30

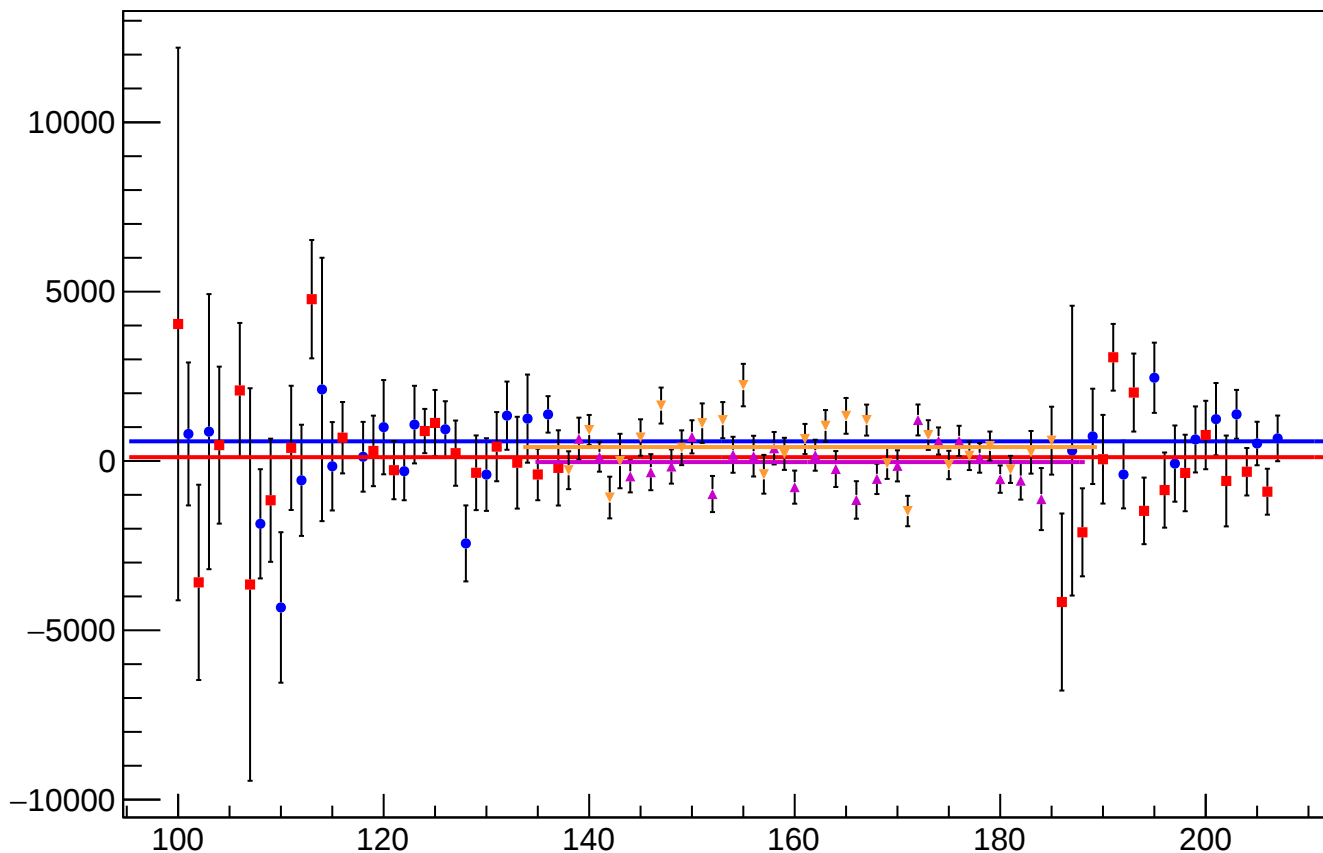
Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

+ sign 1859.695+/-0.233 χ^2/NDF : 679438.6/51

All: 1860.327+/-0.165 χ^2/NDF : 1177435.7/10

- sign 1860.957+/-0.233 χ^2/NDF : 497982.4/53

asym_at1_dd_correction_mean vs Slug



Right In: 580.441 $\pm$ 198.516 χ^2 /NDF: 27.1/26

Left Out: 411.072 $\pm$ 100.456 χ^2 /NDF: 61.2/24

Right Out: 112.515 $\pm$ 197.953 χ^2 /NDF: 38.9/30

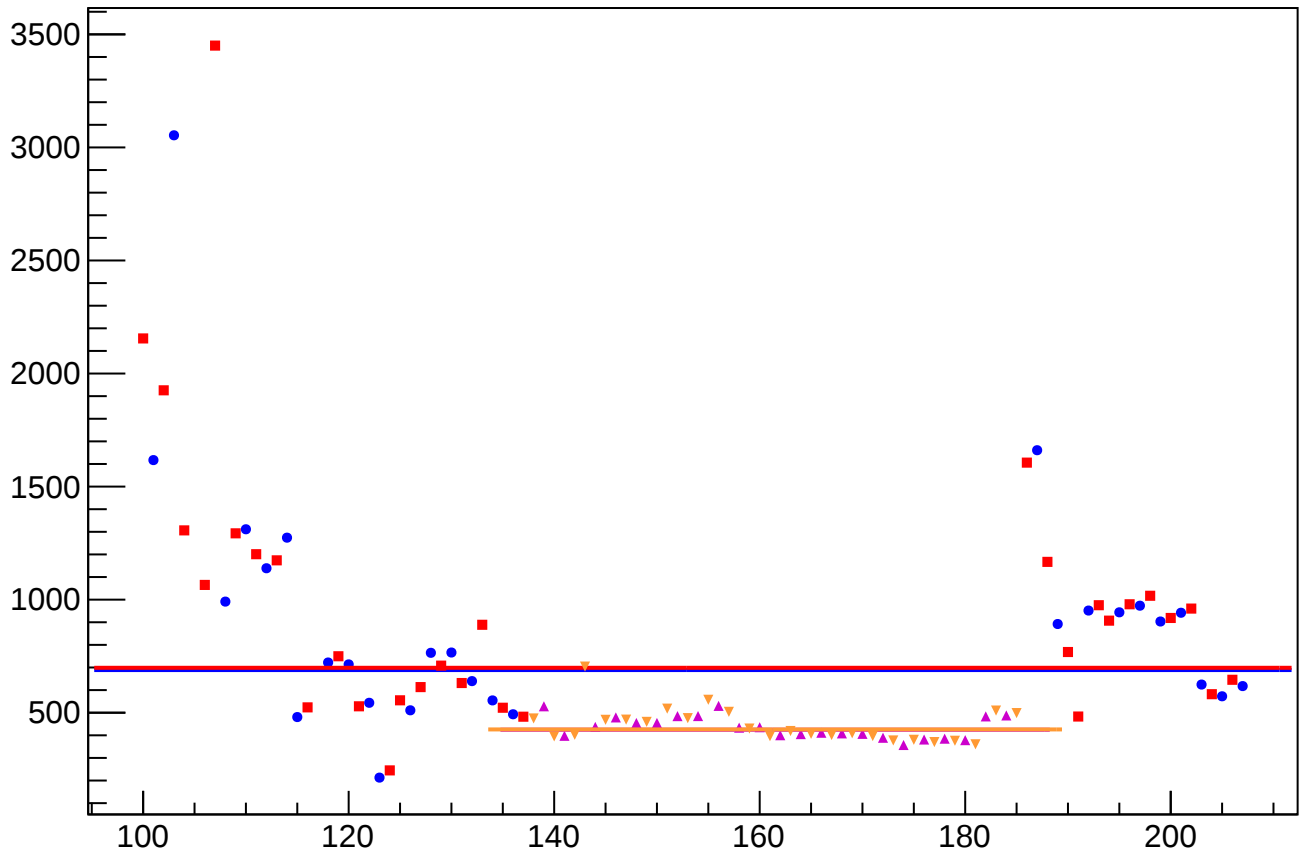
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 445.600 $\pm$ 89.633 χ^2 /NDF: 88.9/51

All: 225.147 $\pm$ 63.842 χ^2 /NDF: 173.3/105

- sign -1.851 $\pm$ 90.954 χ^2 /NDF: 72.1/53

asym_at1_dd_correction_rms vs Slug



Right In: 688.602 $\pm$ 0.140 χ^2 /NDF: 3191241.4/26

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 698.637 $\pm$ 0.140 χ^2 /NDF: 4320831.7/30

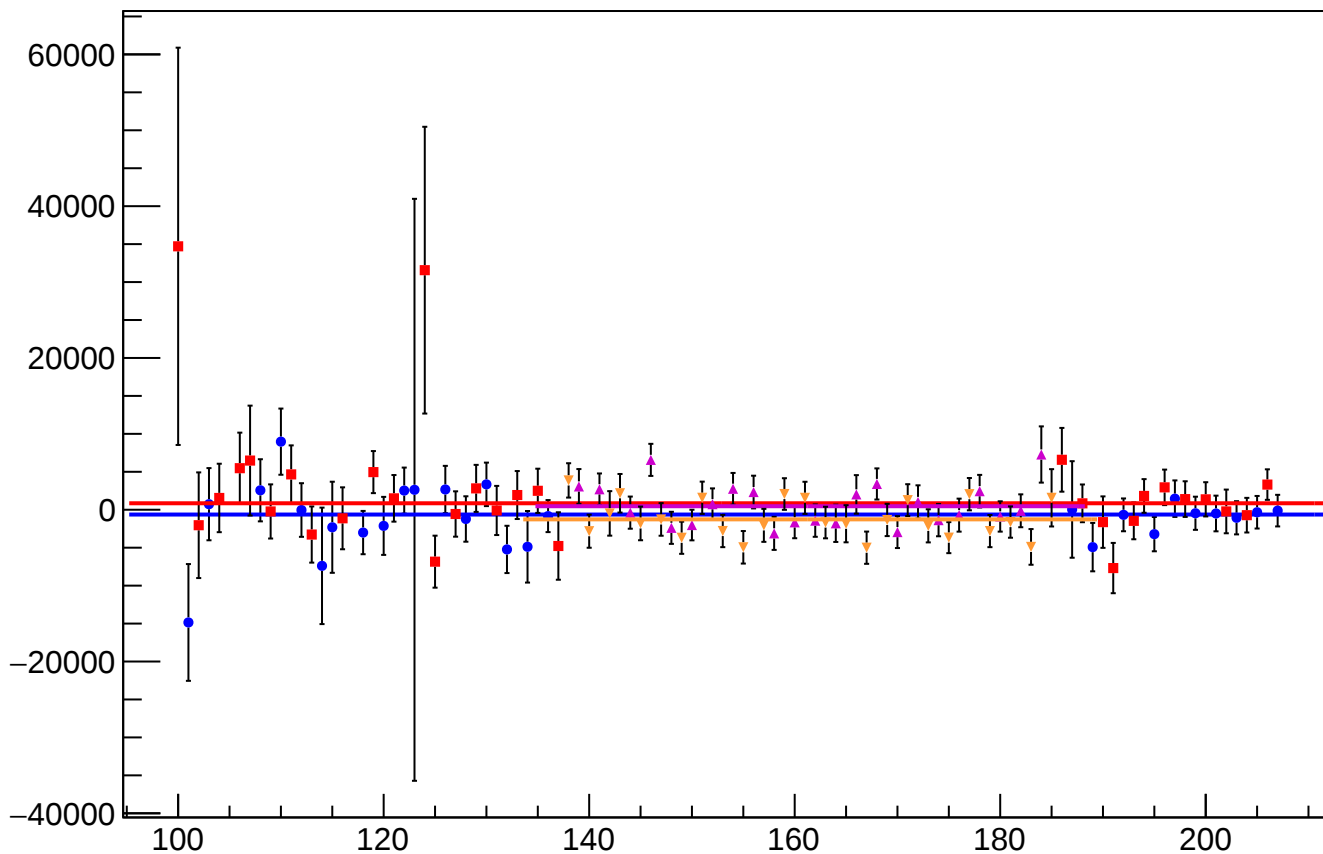
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 479.558 $\pm$ 0.063 χ^2 /NDF: 6709996.9/51

All: 480.999 $\pm$ 0.045 χ^2 /NDF: 14446343.6/10

- sign 482.484 $\pm$ 0.064 χ^2 /NDF: 7735296.7/53

asym_at1_dd_mean vs Slug



Right In: -632.343 ± 571.552 χ^2/NDF : 21.9/26

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 852.763 ± 558.051 χ^2/NDF : 31.8/30

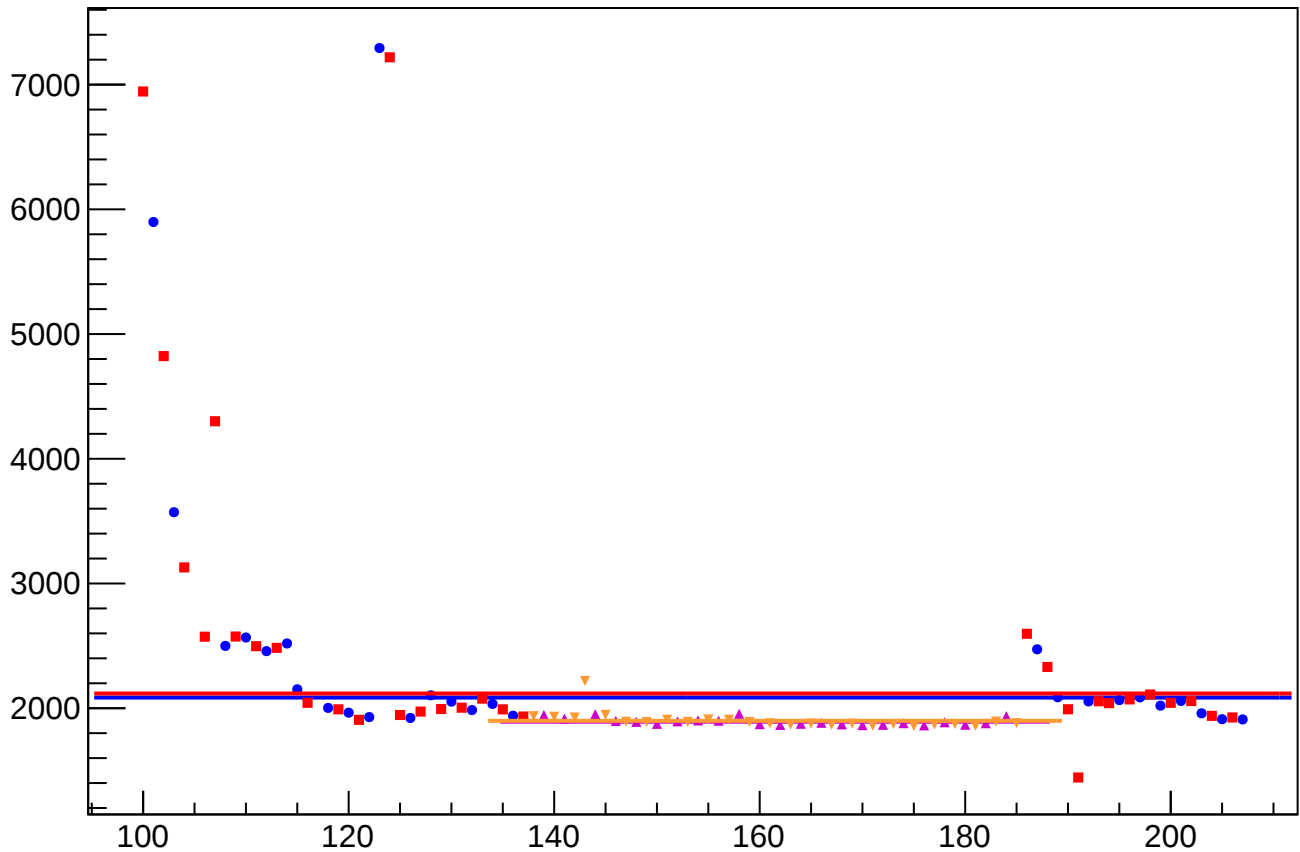
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -1029.222 ± 350.248 χ^2/NDF : 53.5/51

All: -210.091 ± 248.333 χ^2/NDF : 129.2/105

- sign 617.965 ± 352.151 χ^2/NDF : 64.7/53

asym_at1_dd_rms vs Slug



Right In: 2085.290 $\pm$ 0.404 χ^2 /NDF: 867888.6/26

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2118.080 $\pm$ 0.395 χ^2 /NDF: 1090972.8/30

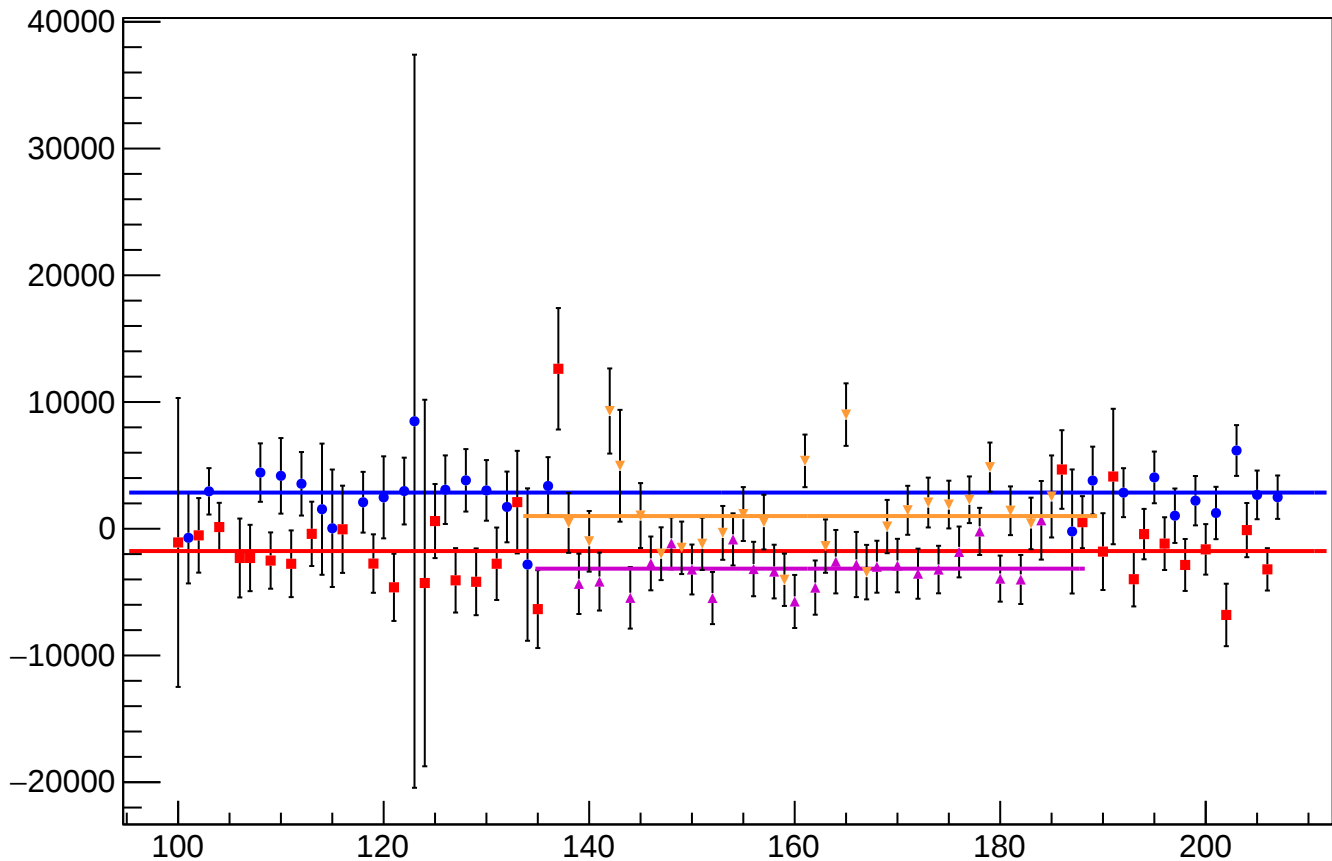
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1968.933 $\pm$ 0.248 χ^2 /NDF: 1039306.3/51

All: 1975.352 $\pm$ 0.176 χ^2 /NDF: 2337127.8/10

- sign 1981.842 $\pm$ 0.249 χ^2 /NDF: 1296470.5/53

reg_asym_at2_avg_mean vs Slug



Right In: 2854.532 ± 475.383 χ^2/NDF : 8.7/26

Left Out: 1001.263 ± 435.247 χ^2/NDF : 44.6/24

Right Out: -1760.528 ± 459.596 χ^2/NDF : 32.2/30

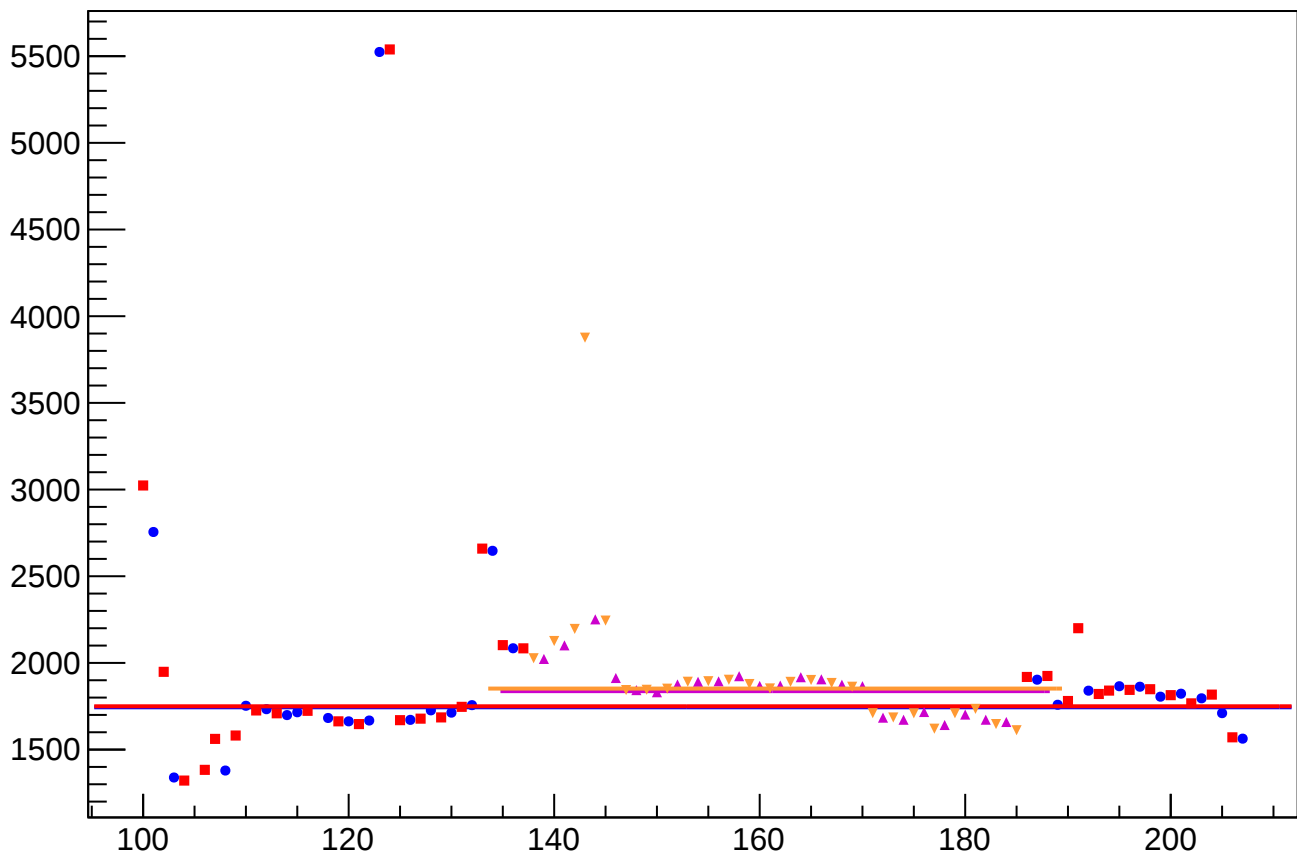
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1846.373 ± 321.019 χ^2/NDF : 61.6/51

All: -337.477 ± 226.013 χ^2/NDF : 202.1/105

- sign -2483.942 ± 318.260 χ^2/NDF : 48.8/53

reg_asym_at2_avg_rms vs Slug



Right In: 1744.040+/-0.336 χ^2/NDF : 485737.4/26

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1749.785+/-0.325 χ^2/NDF : 546654.9/30

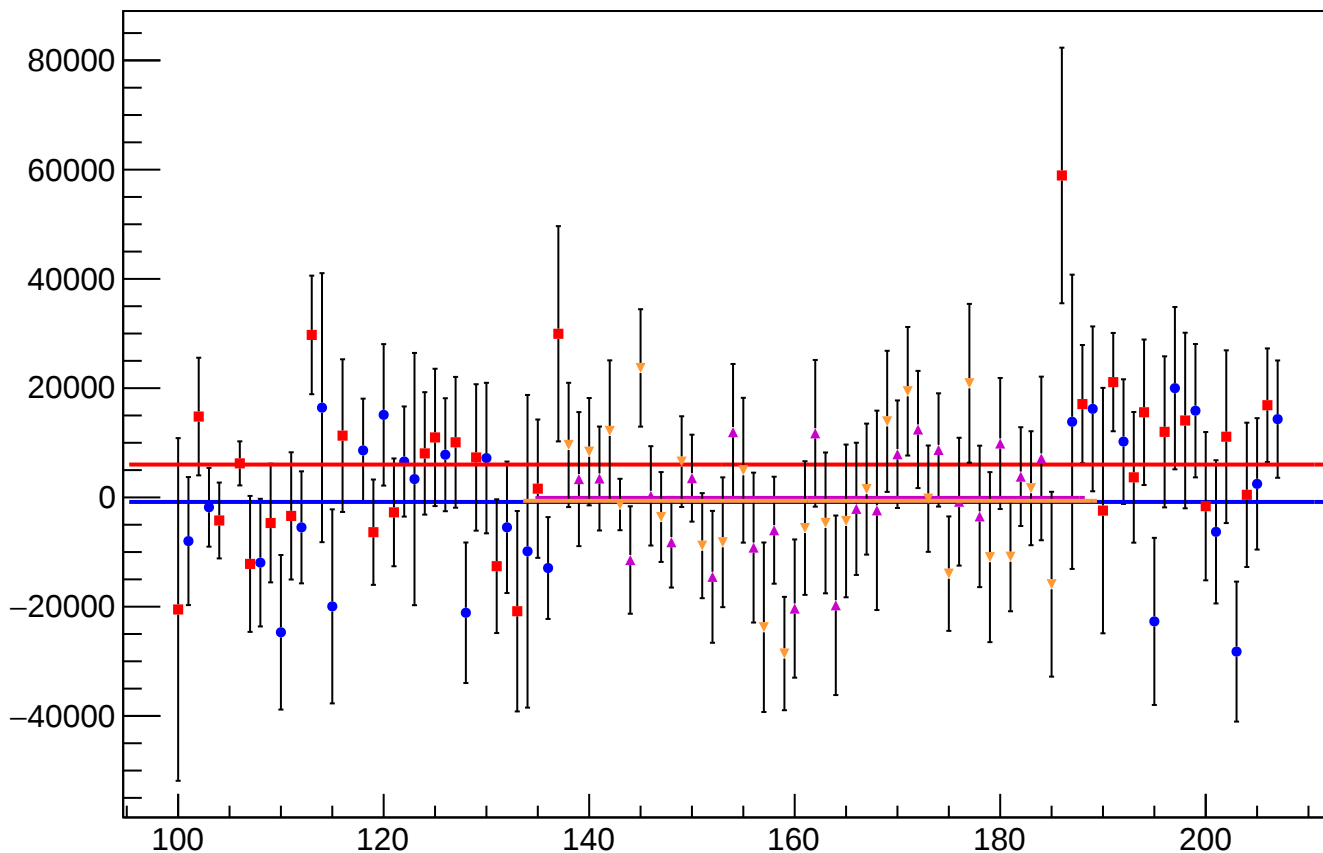
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1802.747+/-0.227 χ^2/NDF : 1190761.2/51

All: 1798.969+/-0.160 χ^2/NDF : 1976094.5/10

- sign 1795.256+/-0.225 χ^2/NDF : 784784.2/53

asym_at2_avg_correction_mean vs Slug



Right In: -827.963 ± 2365.322 χ^2/NDF : 29.7/26

Left Out: -619.372 ± 2069.686 χ^2/NDF : 30.1/24

Right Out: 6016.792 ± 1942.747 χ^2/NDF : 32.8/30

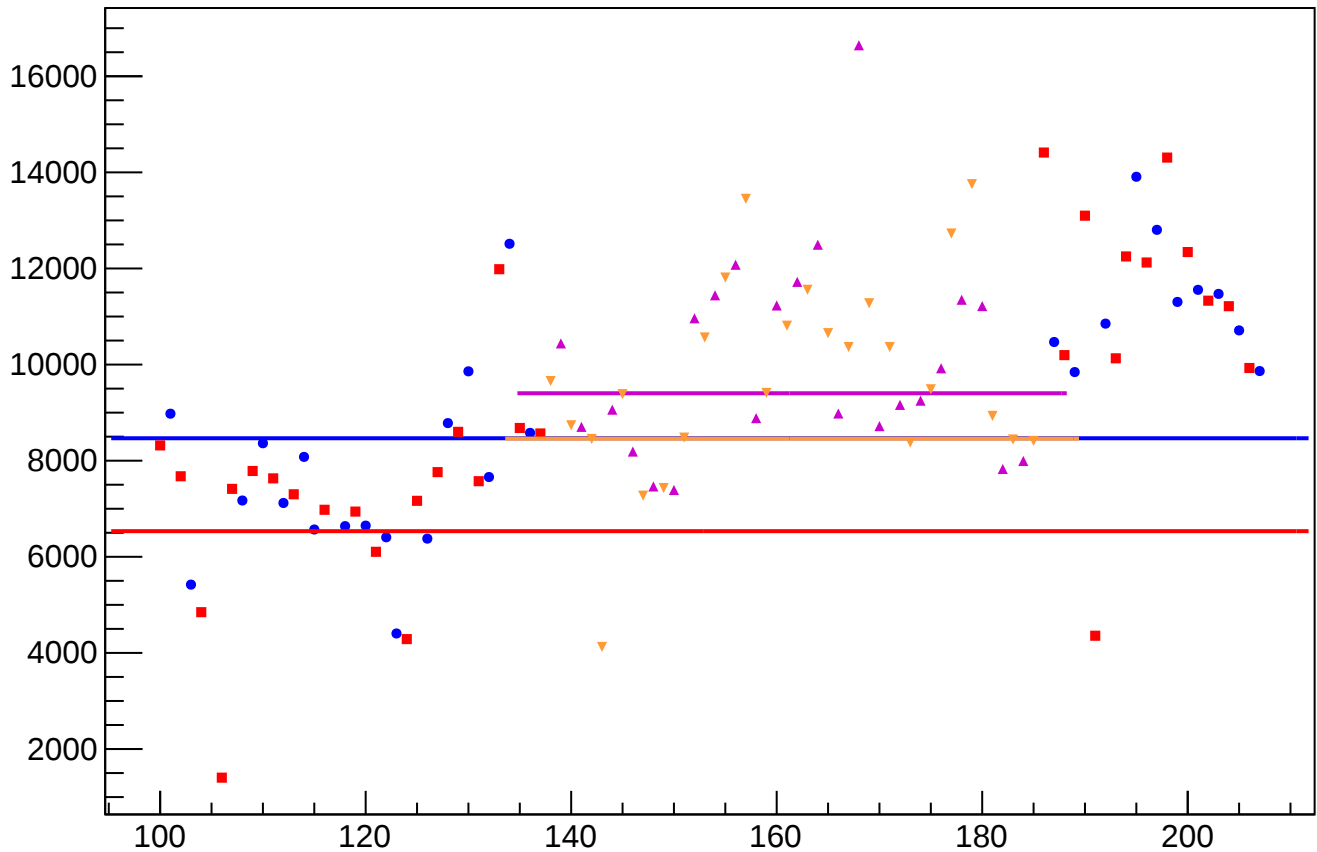
Left In: -93.334 ± 2293.826 χ^2/NDF : 14.6/22

+ sign -709.825 ± 1557.588 χ^2/NDF : 59.9/51

All: 1480.455 ± 1073.845 χ^2/NDF : 115.3/105

- sign 3464.613 ± 1482.487 χ^2/NDF : 51.6/53

asym_at2_avg_correction_rms vs Slug



Right In: 8466.963+/-1.673 χ^2 /NDF: 1825899.1/26

Left Out: 8459.960+/-1.463 χ^2 /NDF:3087200.5/24

Right Out: 6533.635+/-1.374 χ^2 /NDF: 6982637.3/30

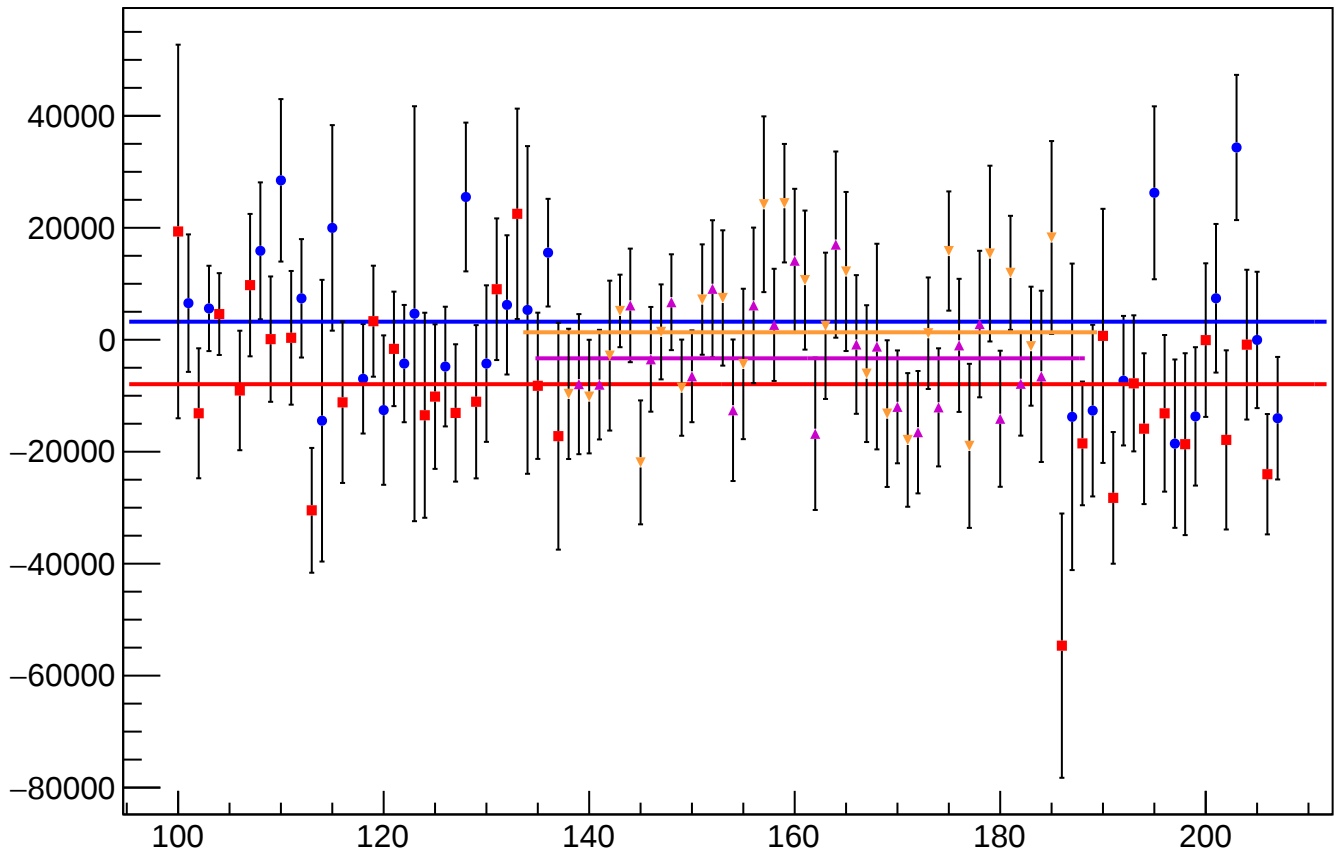
Left In: 9403.481+/-1.622 χ^2 /NDF:1142646.9/22

+ sign 8462.997+/-1.101 χ^2 /NDF: 4913109.5/51

All: 8079.640+/-0.759 χ^2 /NDF: 15092249.5/1

- sign 7732.360+/-1.048 χ^2 /NDF: 9948237.4/53

asym_at2_avg_mean vs Slug



Right In: 3228.618 $\pm$ 2442.956 χ^2 /NDF: 31.0/26

Left Out: 1332.828 $\pm$ 2213.733 χ^2 /NDF:28.0/24

Right Out: -7936.906 $\pm$ 2283.881 χ^2 /NDF: 29.6/30

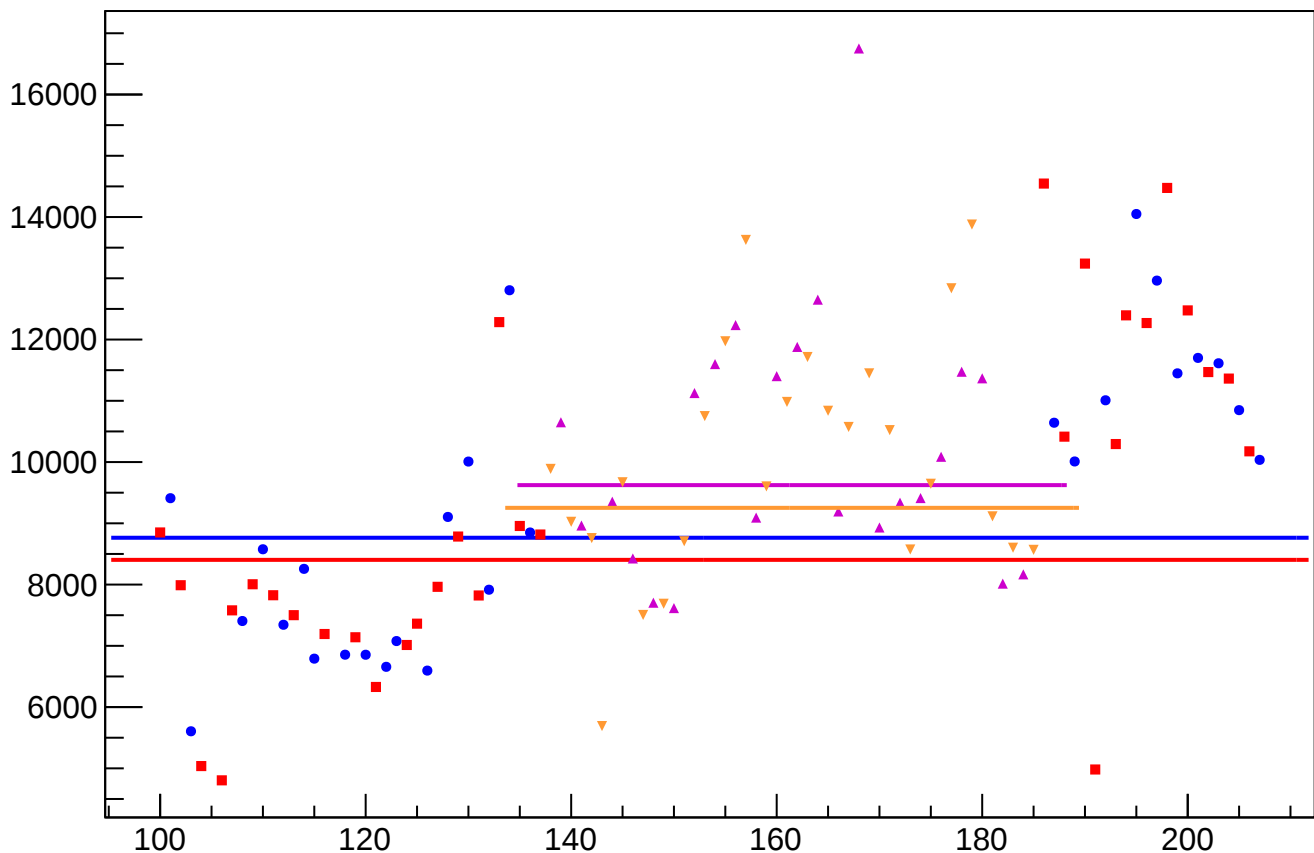
Left In: -3316.909 $\pm$ 2344.543 χ^2 /NDF:13.7/22

+ sign 2187.629 $\pm$ 1640.413 χ^2 /NDF: 59.4/51

All: -1760.581 $\pm$ 1158.374 χ^2 /NDF: 116.3/10

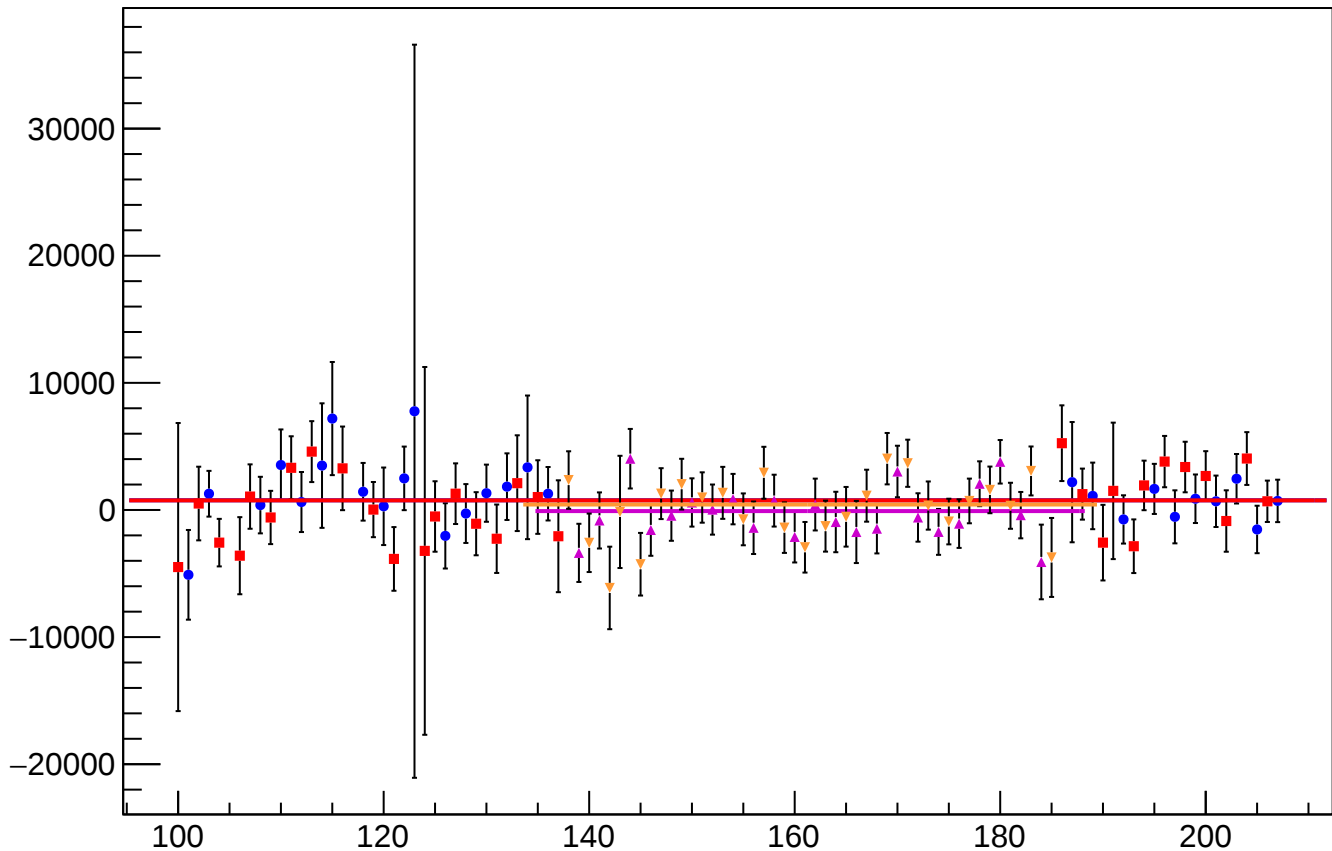
- sign -5687.449 $\pm$ 1635.973 χ^2 /NDF: 45.4/53

asym_at2_avg_rms vs Slug



Right In: 8764.495+/-1.727	χ^2/NDF : 1645411.3/26	+ sign 9032.573+/-1.160	χ^2/NDF : 3286942.3/51
Left Out: 9252.712+/-1.565	χ^2/NDF : 1597668.9/24	All: 9014.959+/-0.819	χ^2/NDF : 7090638.6/10
Right Out: 8403.499+/-1.615	χ^2/NDF : 2455421.7/30	- sign 8997.441+/-1.157	χ^2/NDF : 3803236.3/53
Left In: 9623.485+/-1.658	χ^2/NDF : 1069924.0/22		

reg_asym_at2_dd_mean vs Slug



Right In: 761.798 $\pm$ 457.600 χ^2 /NDF: 12.4/26

Left Out: 429.447 $\pm$ 416.378 χ^2 /NDF: 28.7/24

Right Out: 755.150 $\pm$ 442.961 χ^2 /NDF: 31.1/30

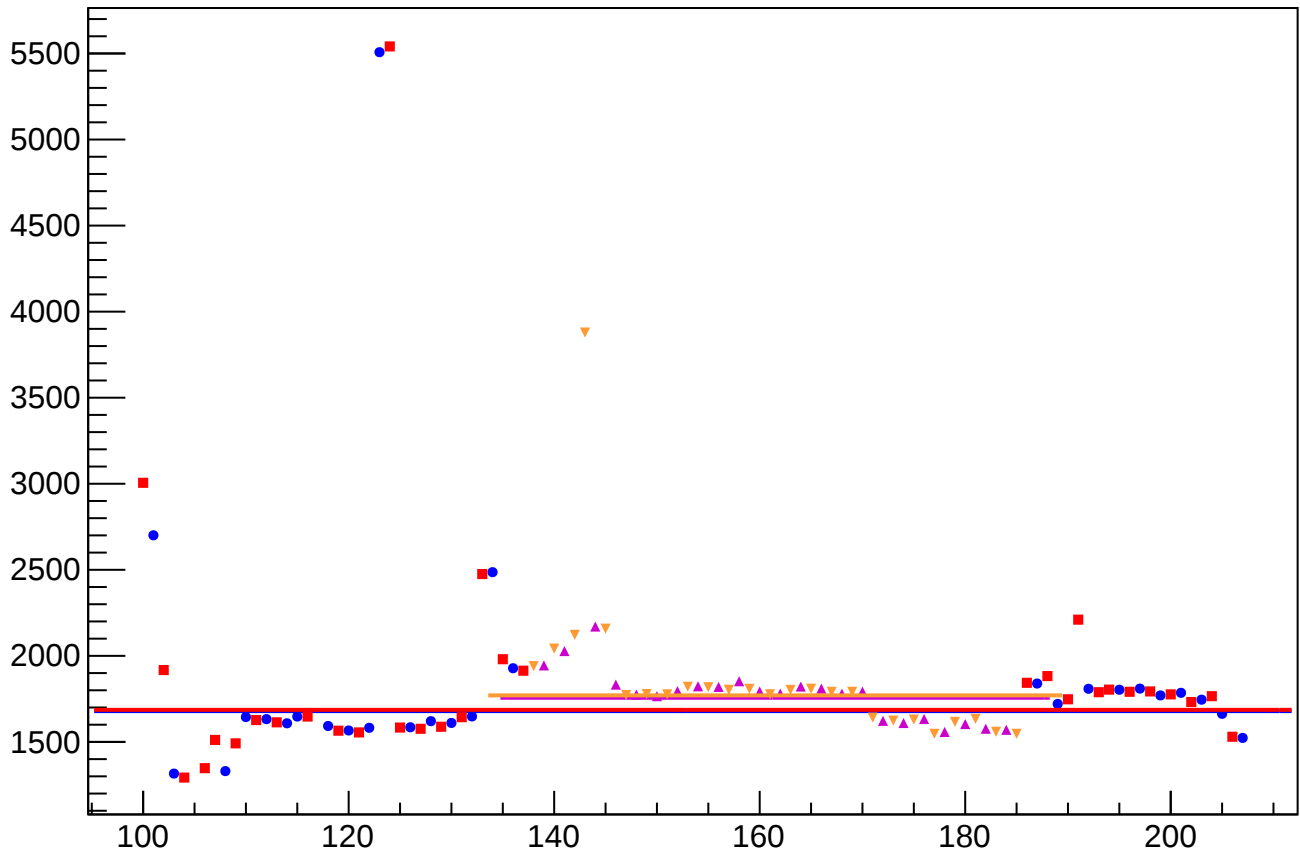
Left In: -88.373 $\pm$ 421.957 χ^2 /NDF: 21.0/22

+ sign 579.981 $\pm$ 307.968 χ^2 /NDF: 41.4/51

All: 445.385 $\pm$ 216.897 χ^2 /NDF: 95.7/105

- sign 312.917 $\pm$ 305.524 χ^2 /NDF: 54.0/53

reg_asym_at2_dd_rms vs Slug



Right In: 1679.016 $\pm$ 0.324 χ^2 /NDF: 476487.7/26

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1686.289 $\pm$ 0.313 χ^2 /NDF: 555668.3/30

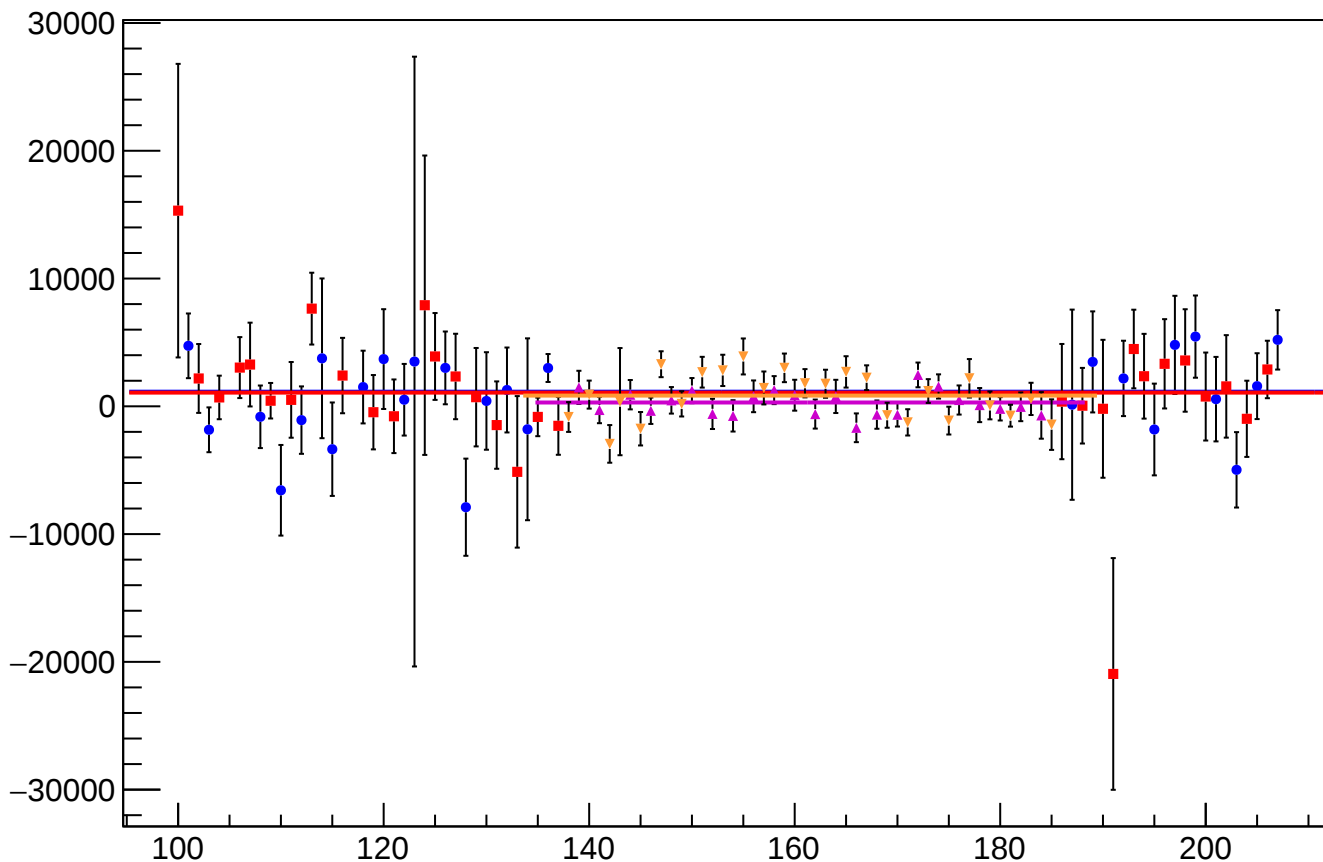
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1729.000 $\pm$ 0.218 χ^2 /NDF: 1219643.8/51

All: 1726.058 $\pm$ 0.153 χ^2 /NDF: 2025187.0/10

- sign 1723.163 $\pm$ 0.216 χ^2 /NDF: 805181.2/53

asym_at2_dd_correction_mean vs Slug



Right In: 1144.710 $\pm$ 536.193 χ^2 /NDF: 33.6/26

Left Out: 839.344 $\pm$ 230.465 χ^2 /NDF:54.4/24

Right Out: 1072.707 $\pm$ 507.978 χ^2 /NDF: 24.7/30

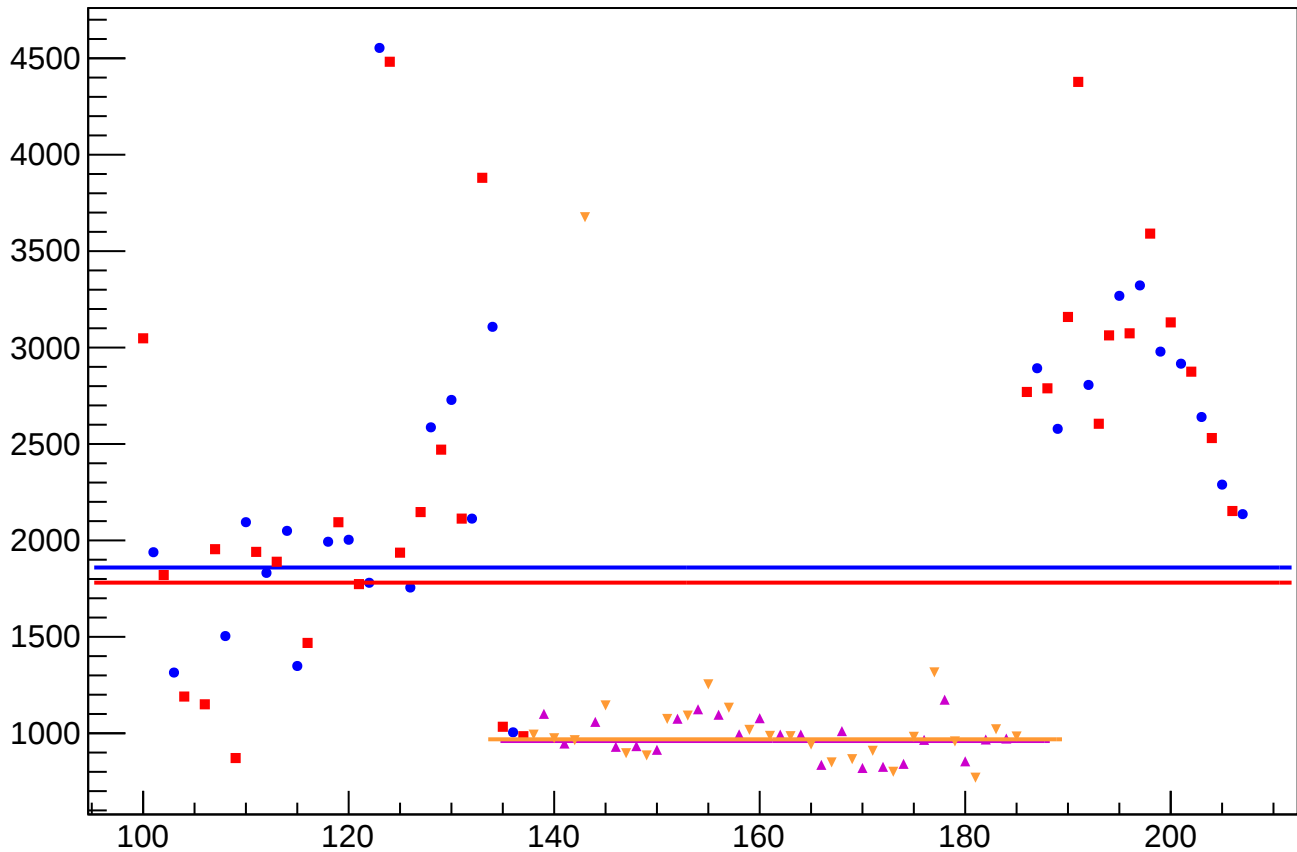
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF:18.3/22

+ sign 886.961 $\pm$ 211.735 χ^2 /NDF: 88.3/51

All: 658.133 $\pm$ 149.309 χ^2 /NDF: 135.5/105

- sign 431.796 $\pm$ 210.580 χ^2 /NDF: 44.9/53

asym_at2_dd_correction_rms vs Slug



Right In: 1859.530+/-0.379 χ^2/NDF : 3375007.6/26

Left Out: 968.712+/-0.163 χ^2/NDF : 1393696.6/24

+ sign 1107.622+/-0.150 χ^2/NDF : 9428228.0/51

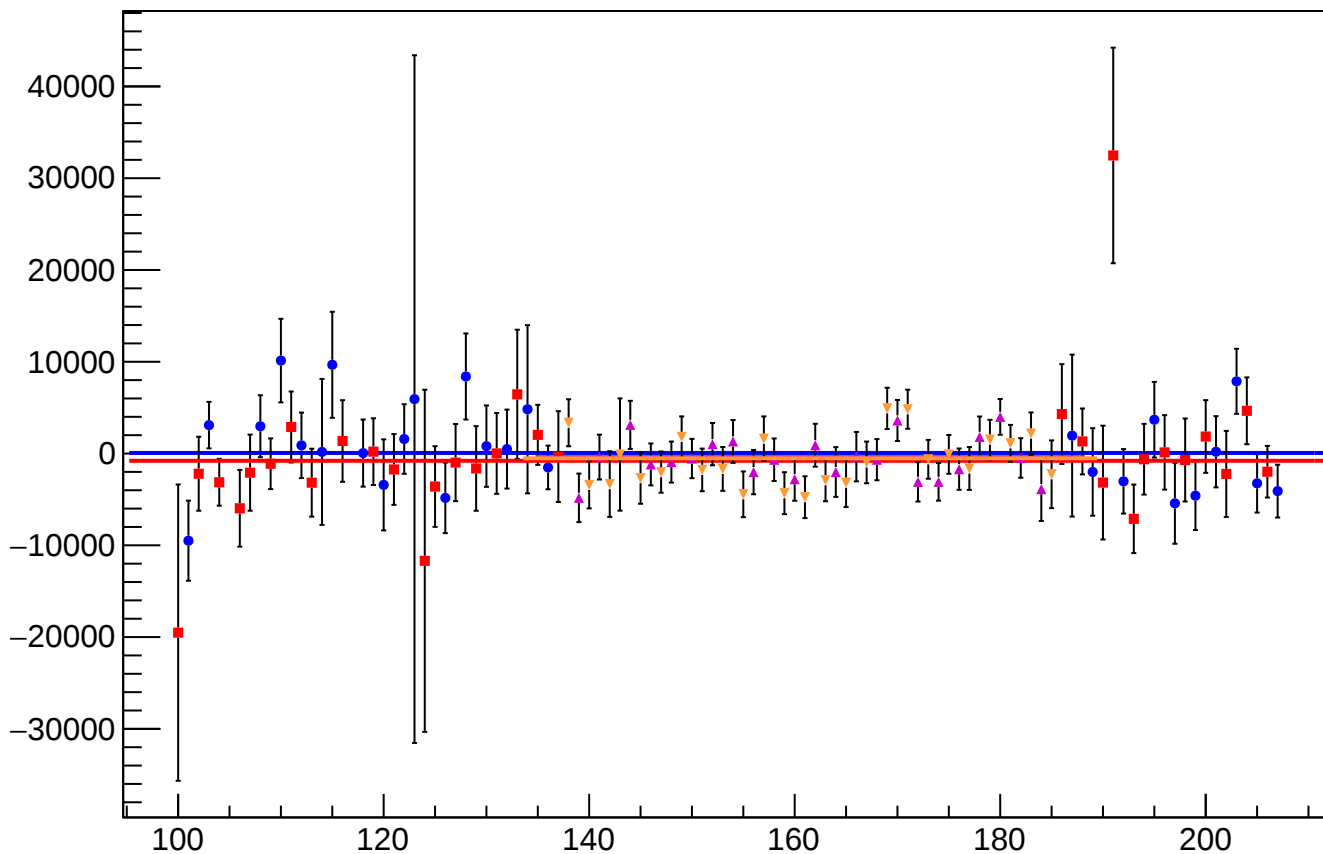
Right Out: 1781.078+/-0.359 χ^2/NDF : 4908949.7/30

All: 1104.262+/-0.106 χ^2/NDF : 19038777.9/100

Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

- sign 1100.939+/-0.149 χ^2/NDF : 9609548.5/53

asym_at2_dd_mean vs Slug



Right In: 63.830 ± 756.633 χ^2/NDF : 33.8/26

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -789.496 ± 731.756 χ^2/NDF : 23.5/30

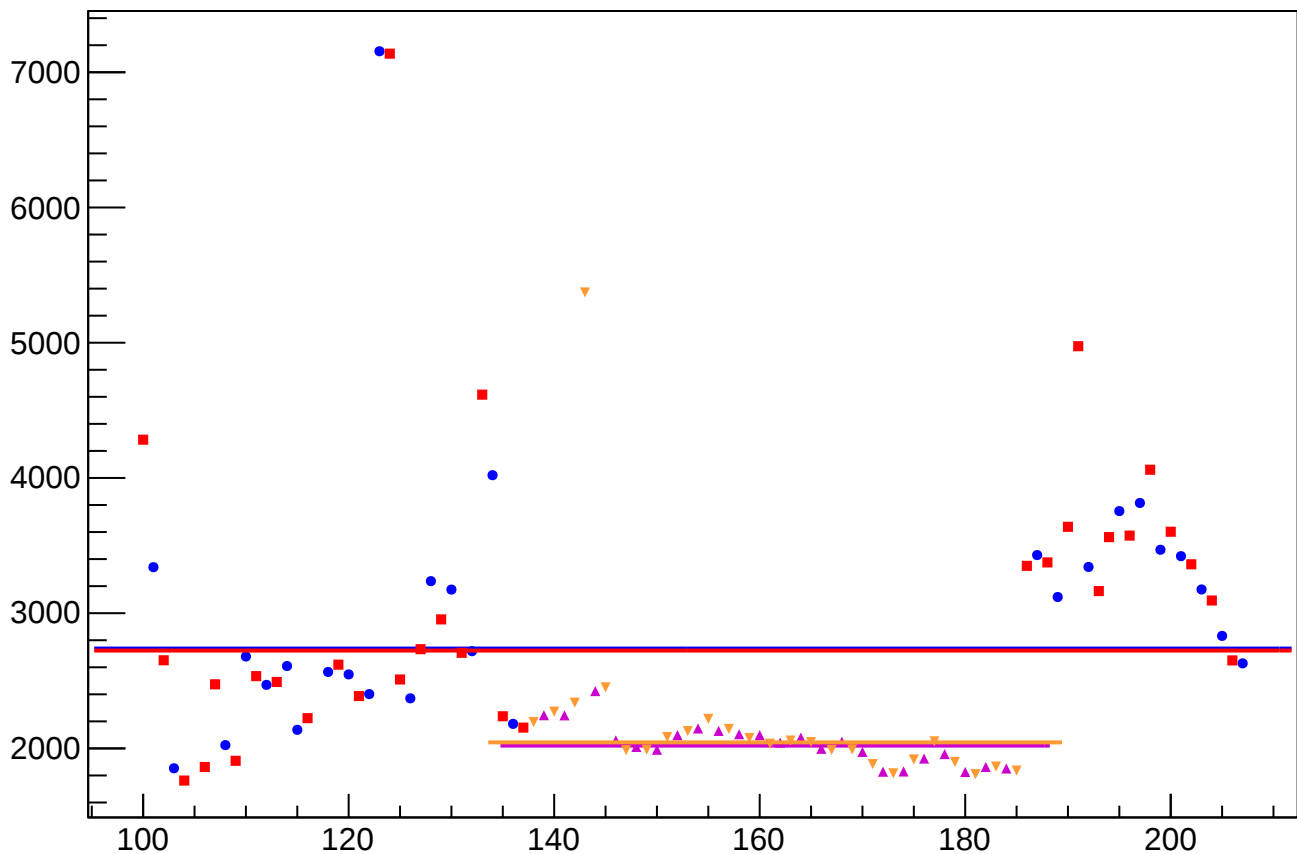
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -350.100 ± 406.213 χ^2/NDF : 68.3/51

All: -433.989 ± 286.555 χ^2/NDF : 113.9/105

- sign -517.088 ± 404.294 χ^2/NDF : 45.6/53

asym_at2_dd_rms vs Slug



Right In: 2738.386 $\pm$ 0.535 χ^2 /NDF: 1164654.8/26

Left Out: 2044.722 $\pm$ 0.340 χ^2 /NDF: 788703.5/24

Right Out: 2723.797 $\pm$ 0.517 χ^2 /NDF: 1713834.4/30

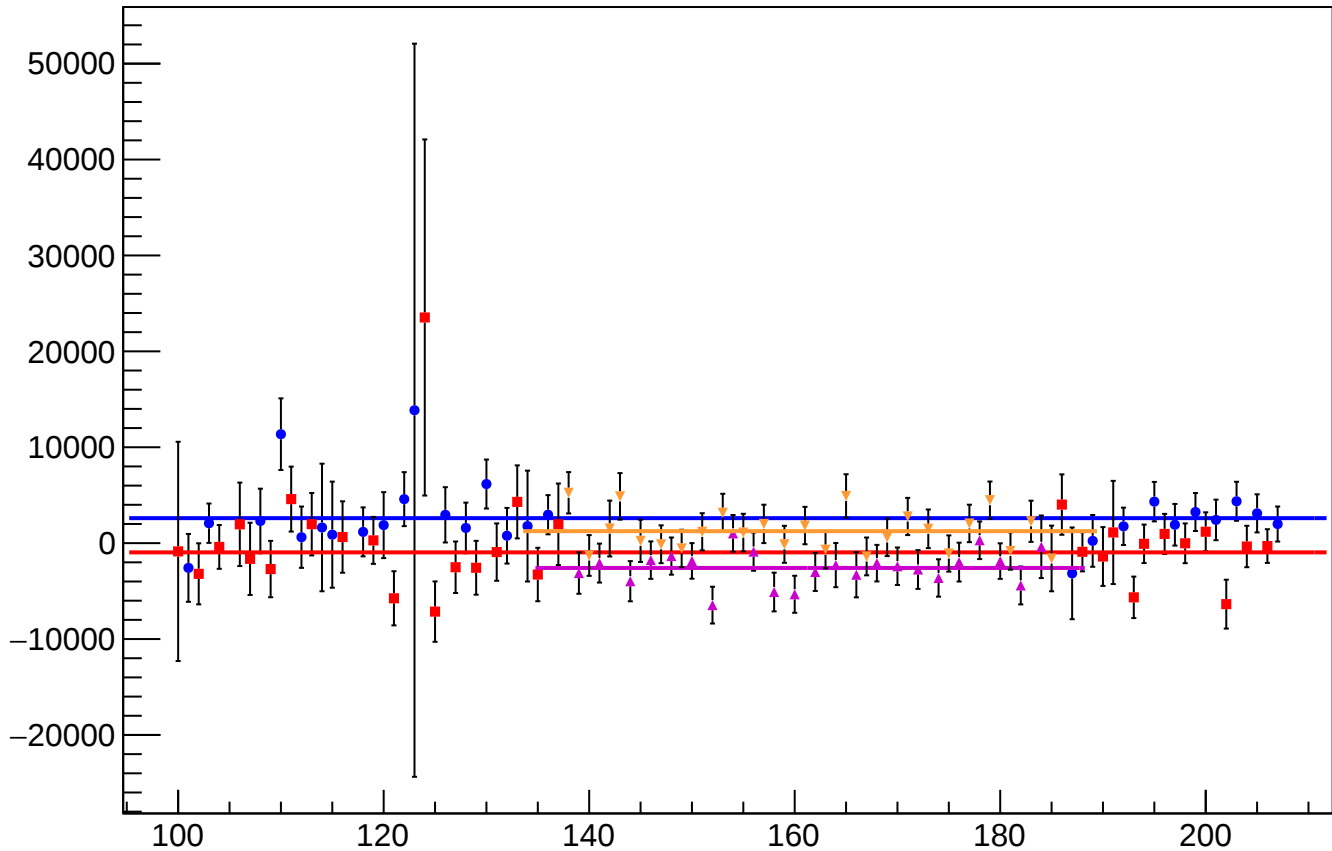
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2244.657 $\pm$ 0.287 χ^2 /NDF: 3149821.9/51

All: 2240.004 $\pm$ 0.203 χ^2 /NDF: 6320102.5/10

- sign 2235.396 $\pm$ 0.286 χ^2 /NDF: 3169758.4/53

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2606.684 $\pm$ 502.049 χ^2 /NDF: 16.0/26

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF: 23.0/24

Right Out: -961.612 $\pm$ 490.314 χ^2 /NDF: 32.0/30

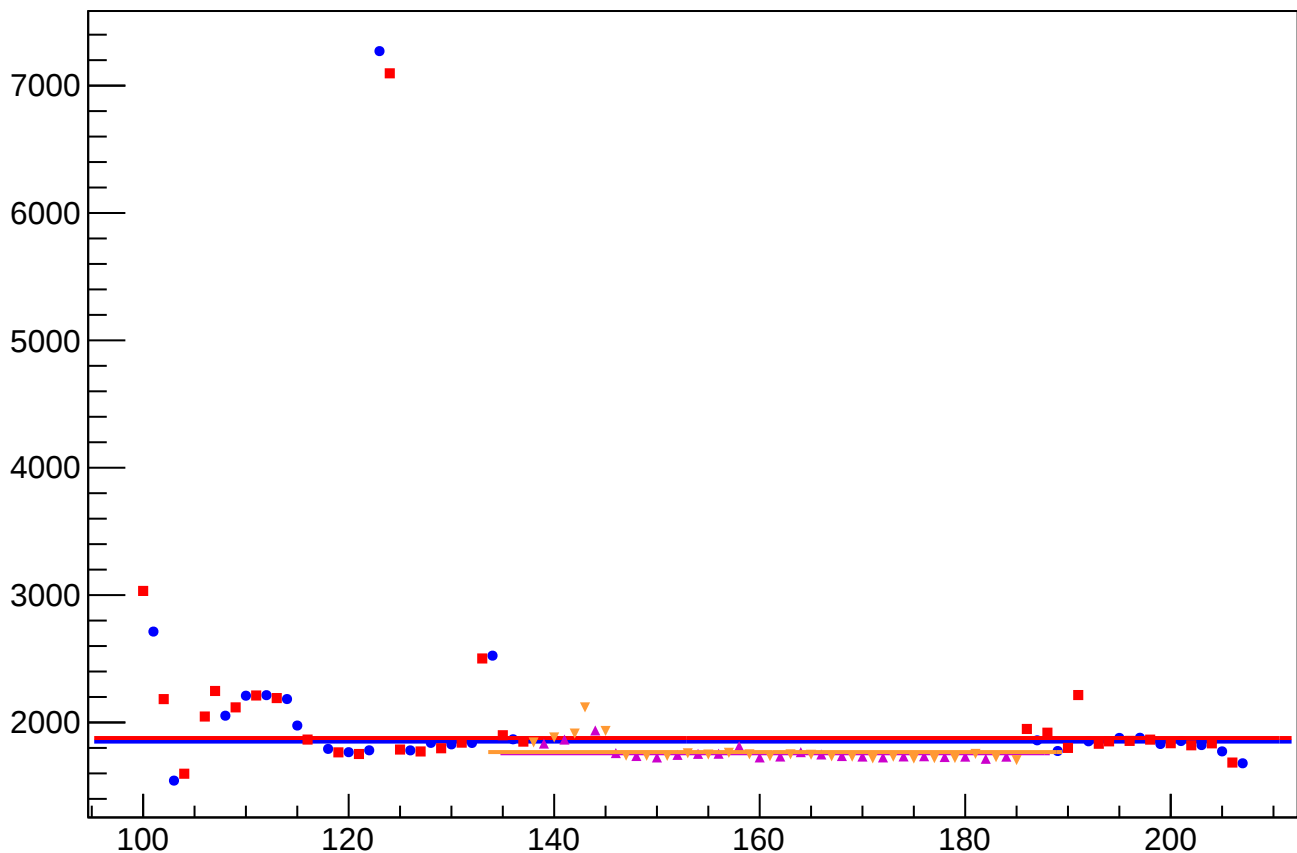
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF: 17.5/22

+ sign 1796.690 $\pm$ 318.711 χ^2 /NDF: 43.3/51

All: -44.425 $\pm$ 225.688 χ^2 /NDF: 166.1/105

- sign -1896.223 $\pm$ 319.634 χ^2 /NDF: 55.8/53

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1849.738+/-0.355 χ^2/NDF : 317496.5/26

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1877.825+/-0.346 χ^2/NDF : 409071.4/30

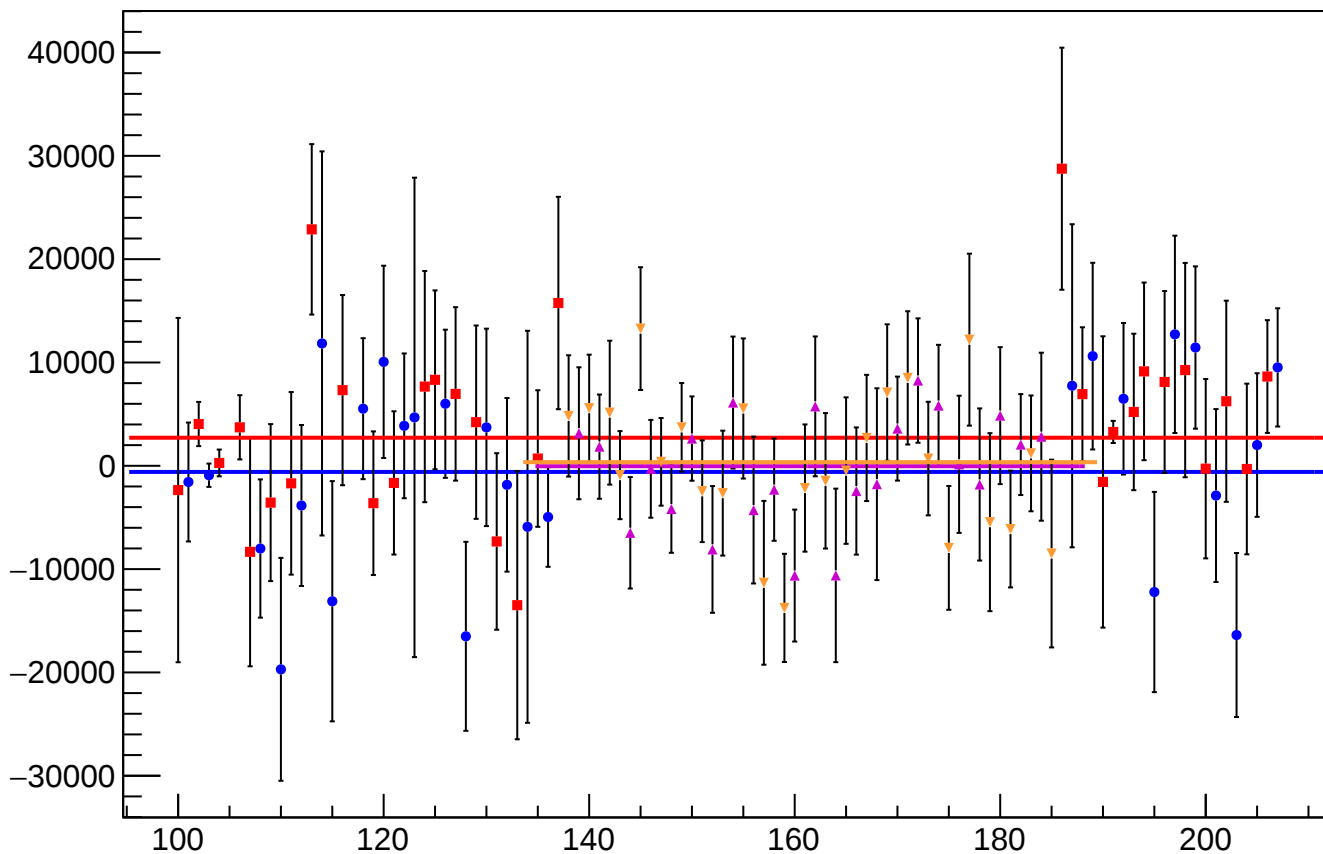
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1800.652+/-0.225 χ^2/NDF : 427195.7/51

All: 1804.818+/-0.160 χ^2/NDF : 935411.1/105

- sign 1809.006+/-0.226 χ^2/NDF : 507530.0/53

asym_atl1r2_avg_correction_mean vs Slug



Right In: -592.936+/-918.902 χ^2 /NDF: 29.6/26

Left Out: 351.227+/-1170.051 χ^2 /NDF: 27.8/24

Right Out: 2717.174+/-680.160 χ^2 /NDF: 27.8/30

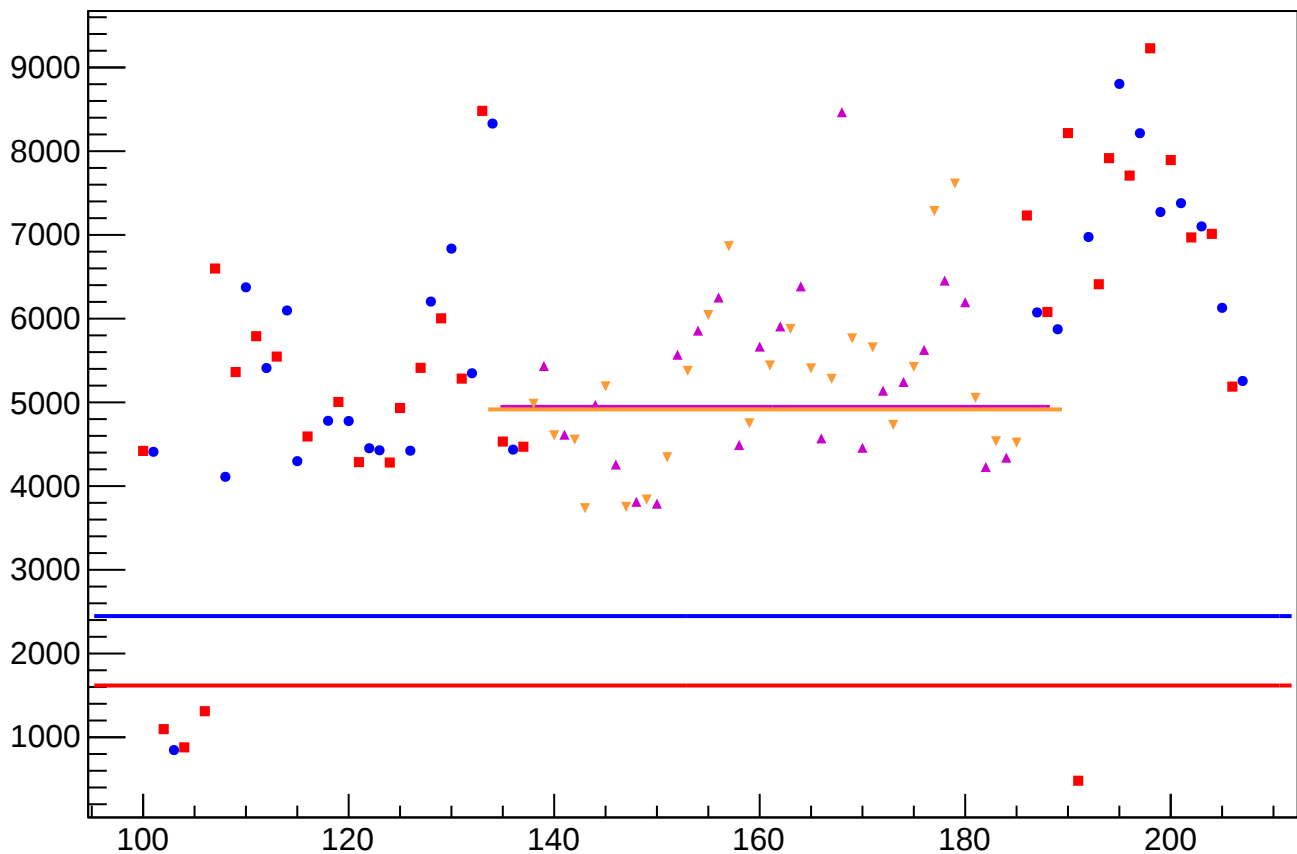
Left In: -40.618+/-1207.491 χ^2 /NDF: 16.0/22

+ sign -232.751+/-722.677 χ^2 /NDF: 57.8/51

All: 1133.918+/-458.243 χ^2 /NDF: 111.6/105

- sign 2052.919+/-592.612 χ^2 /NDF: 47.8/53

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2447.293 $\pm$ 0.650 χ^2 /NDF: 13202866.1/26

Left Out: 4915.865 $\pm$ 0.827 χ^2 /NDF:1186479.7/24

Right Out: 1618.065 $\pm$ 0.481 χ^2 /NDF: 17714161.7/30

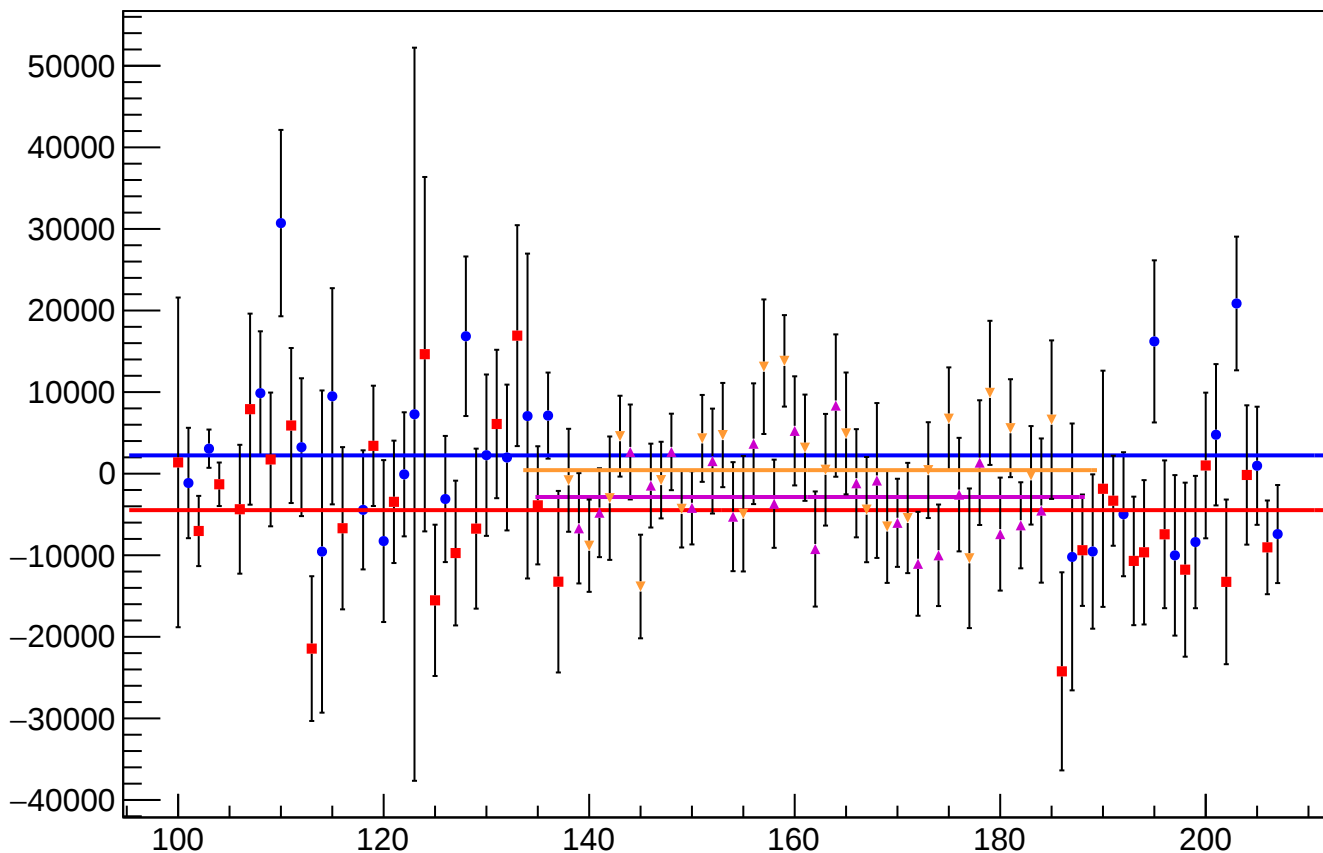
Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

+ sign 3389.018 $\pm$ 0.511 χ^2 /NDF: 19895666.3/51

All: 2809.377 $\pm$ 0.324 χ^2 /NDF: 52481383.5/1

- sign 2419.603 $\pm$ 0.419 χ^2 /NDF: 30433874.4/53

asym_atl1r2_avg_mean vs Slug



Right In: 2241.175+/-1374.923 χ^2/NDF : 30.1/26

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -4470.674+/-1325.918 χ^2/NDF : 23.5/30

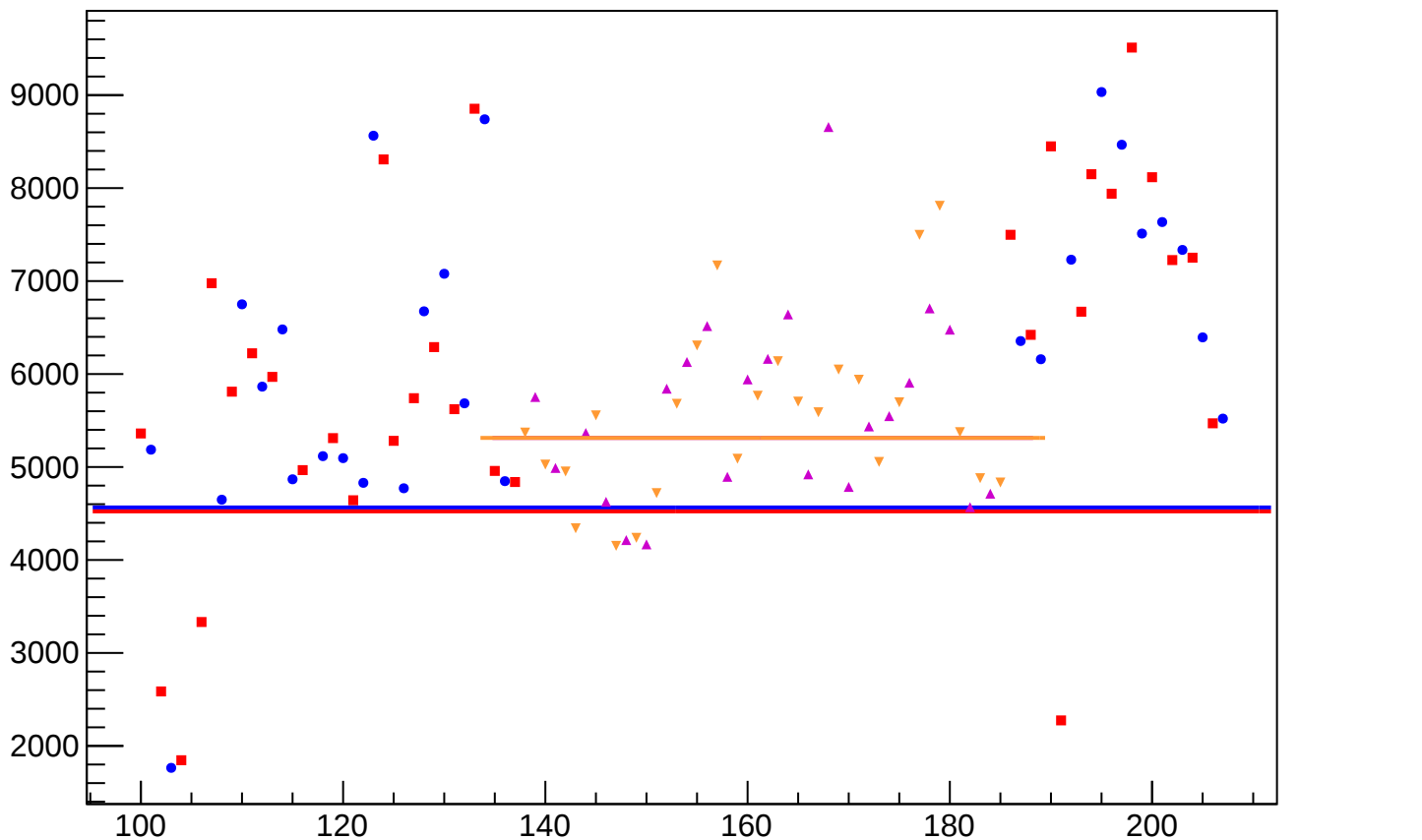
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 1255.978+/-928.238 χ^2/NDF : 58.2/51

All: -1201.755+/-655.379 χ^2/NDF : 109.2/105

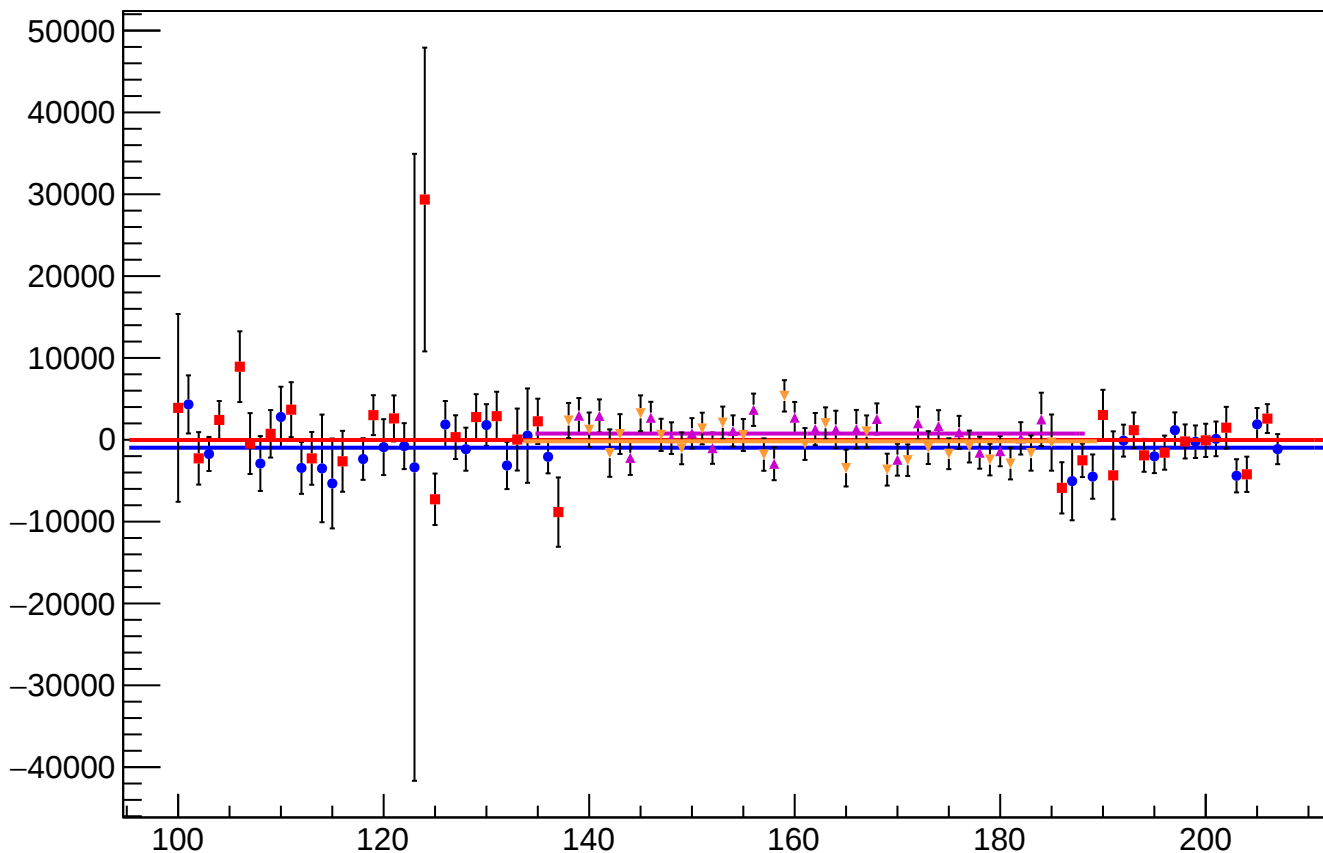
- sign -3644.806+/-925.461 χ^2/NDF : 37.1/53

asym_atl1r2_avg_rms vs Slug



Right In: 4564.899+/-0.972	χ^2/NDF : 5362235.6/26	+ sign 4972.030+/-0.656	χ^2/NDF : 6578839.9/51
Left Out: 5313.008+/-0.890	χ^2/NDF : 894369.8/24	All: 4948.970+/-0.463	χ^2/NDF : 13774312.6/1
Right Out: 4522.766+/-0.933	χ^2/NDF : 5869727.2/30	- sign 4926.151+/-0.653	χ^2/NDF : 7193017.0/53
Left In: 5312.861+/-0.914	χ^2/NDF : 957400.7/22		

reg_asym_atl1r2_dd_mean vs Slug



Right In: -968.554 ± 501.663 χ^2/NDF : 17.7/26

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -24.330 ± 490.001 χ^2/NDF : 40.2/30

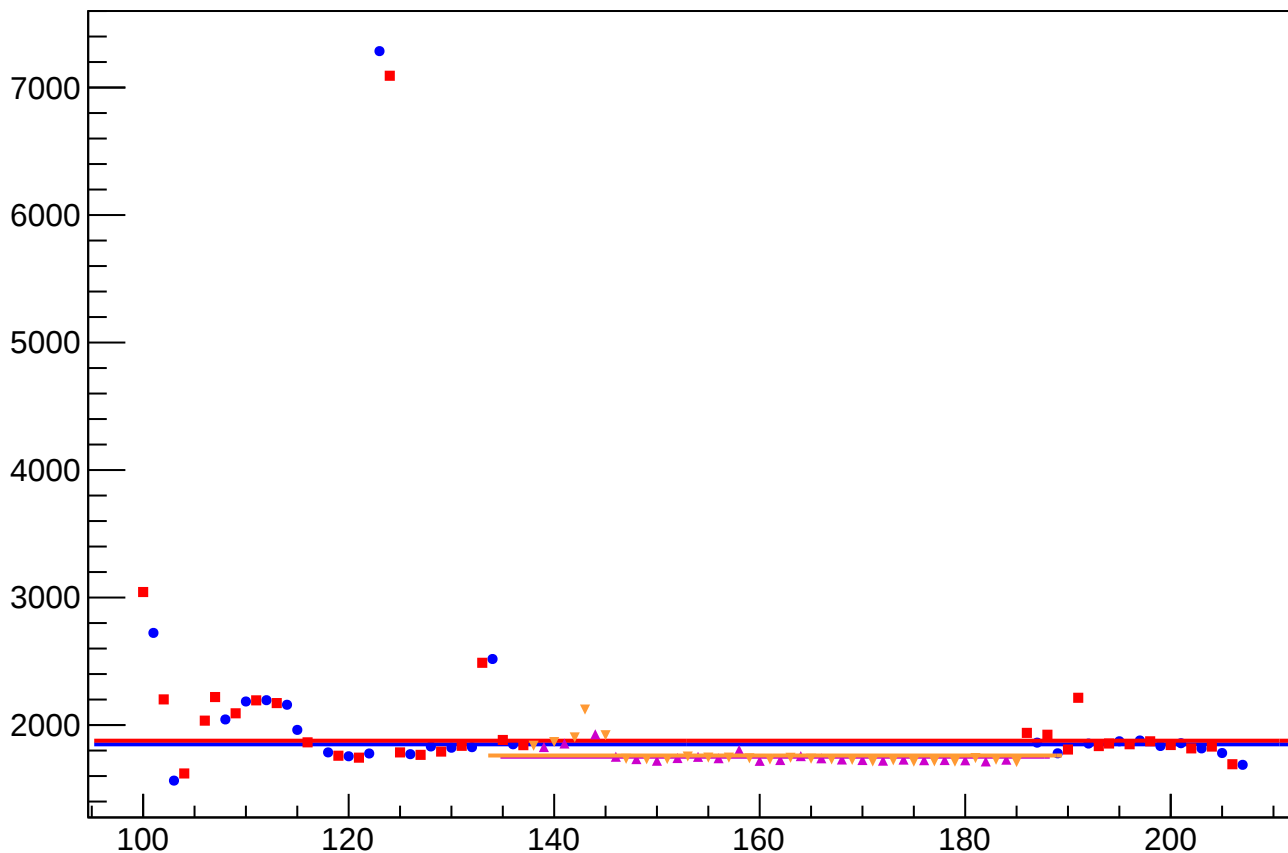
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -496.563 ± 317.915 χ^2/NDF : 48.5/51

All: -35.755 ± 225.128 χ^2/NDF : 114.6/105

- sign 427.758 ± 318.846 χ^2/NDF : 61.9/53

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1848.790+/-0.355 χ^2/NDF : 304799.7/26

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1877.315+/-0.346 χ^2/NDF : 394358.3/30

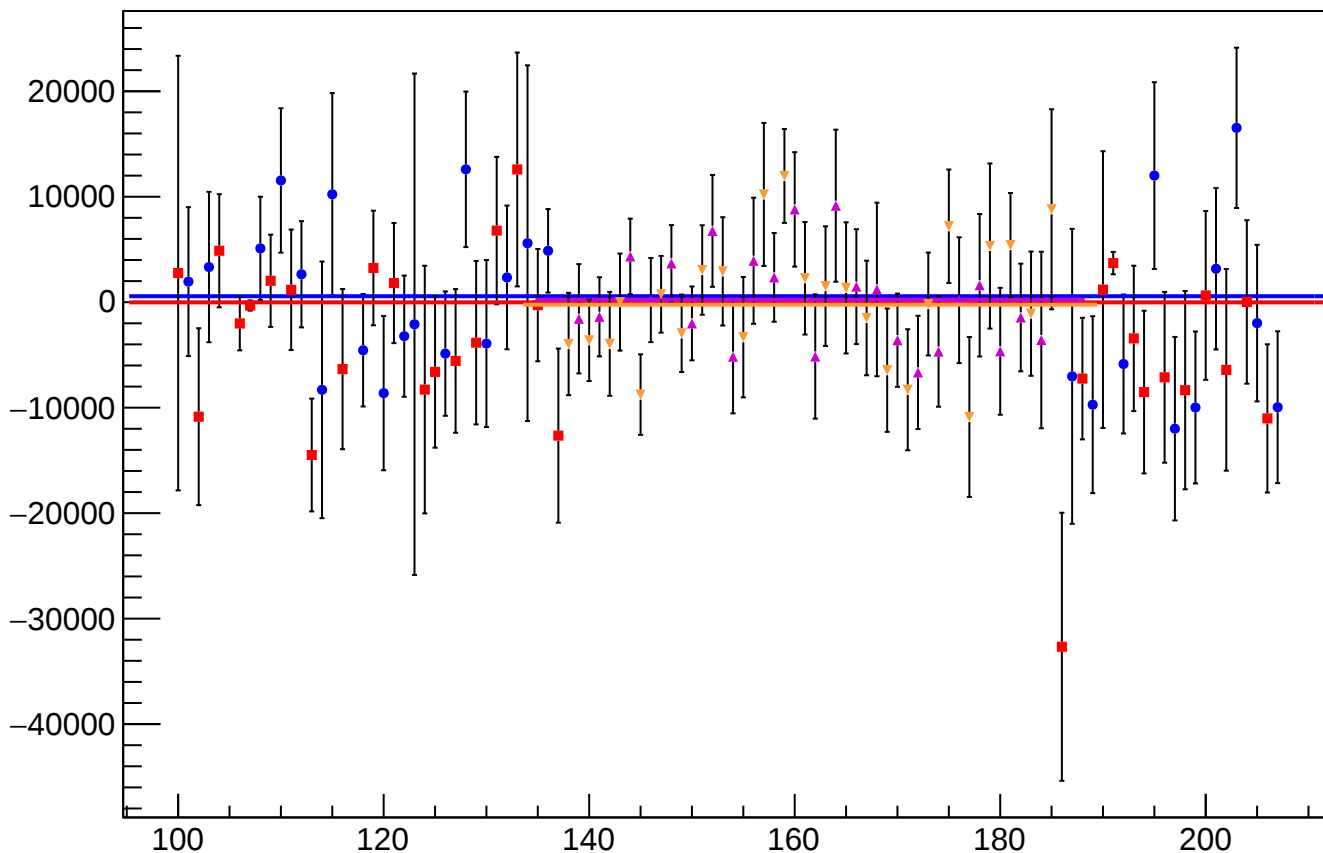
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1796.311+/-0.225 χ^2/NDF : 418843.1/51

All: 1800.528+/-0.159 χ^2/NDF : 918672.5/105

- sign 1804.768+/-0.225 χ^2/NDF : 499123.7/53

asym_atl1r2_dd_correction_mean vs Slug



Right In: 567.118 $\pm$ 1339.456 χ^2 /NDF: 28.9/26

Left Out: -235.806 $\pm$ 1005.144 χ^2 /NDF: 28.9/24

Right Out: -15.847 $\pm$ 411.099 χ^2 /NDF: 45.6/30

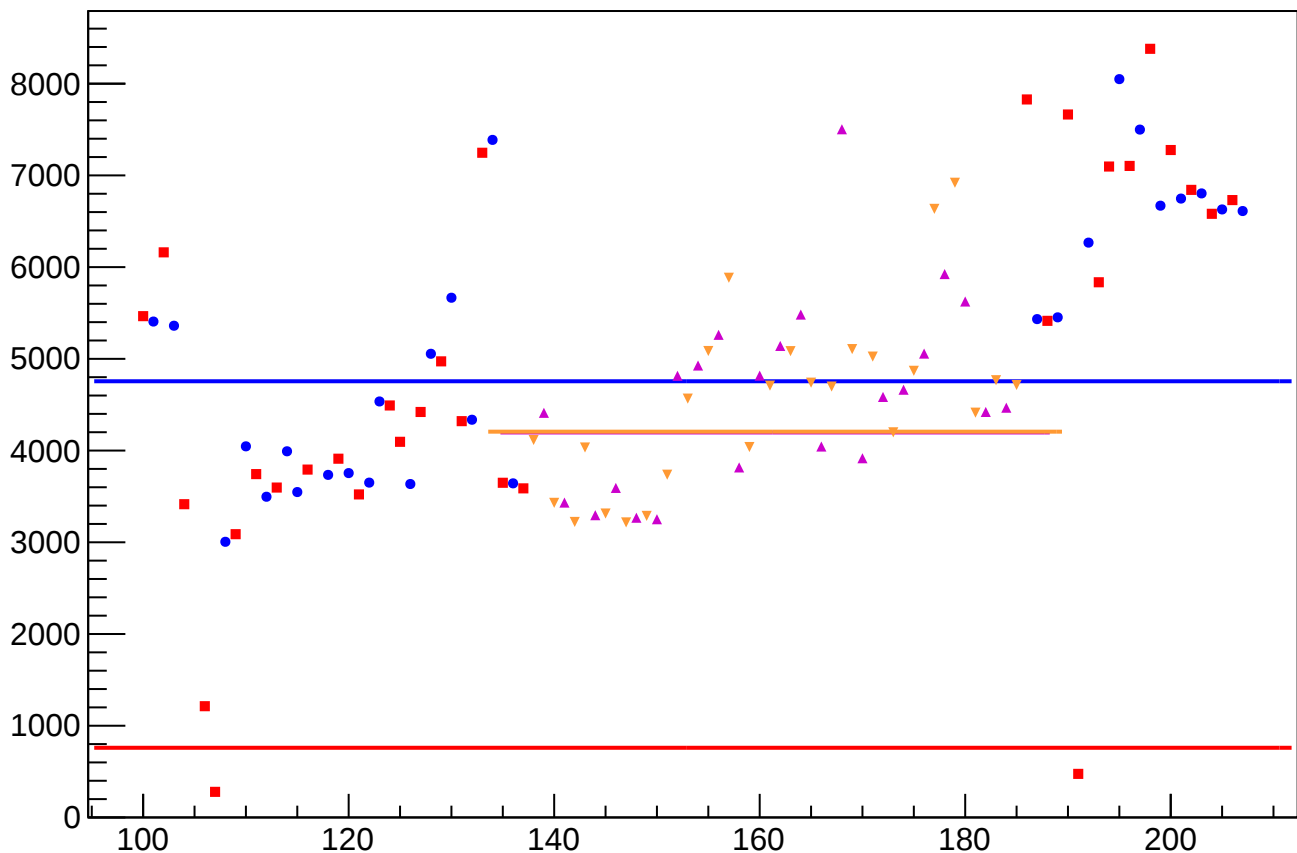
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF: 15.3/22

+ sign 53.450 $\pm$ 803.956 χ^2 /NDF: 58.0/51

All: 25.558 $\pm$ 344.850 χ^2 /NDF: 118.9/105

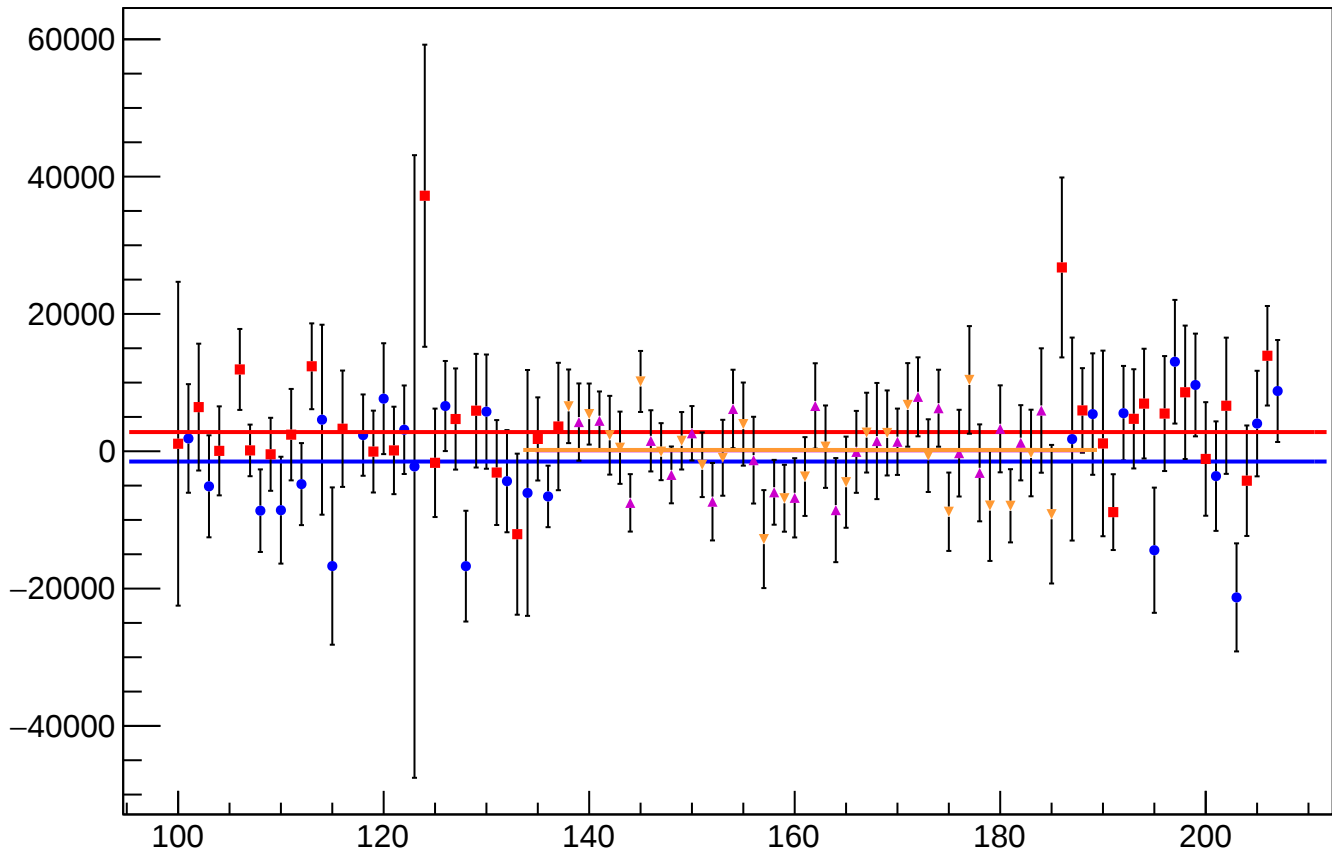
- sign 19.269 $\pm$ 381.754 χ^2 /NDF: 60.9/53

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4755.612 $\pm$ 0.947	χ^2 /NDF: 2256747.9/26	+ sign 4404.048 $\pm$ 0.568	χ^2 /NDF: 3914381.2/51
Left Out: 4206.076 $\pm$ 0.711	χ^2 /NDF: 1442269.3/24	All: 1816.404 $\pm$ 0.244	χ^2 /NDF: 72783239.8/1
Right Out: 759.705 $\pm$ 0.291	χ^2 /NDF: 22754966.9/30	- sign 1232.949 $\pm$ 0.270	χ^2 /NDF: 43477860.3/53
Left In: 4197.267 $\pm$ 0.728	χ^2 /NDF: 1471012.9/22		

asym_atl1r2_dd_mean vs Slug



Right In: -1496.187 ± 1475.647 χ^2/NDF : 31.9/26

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2795.679 ± 1300.763 χ^2/NDF : 24.0/30

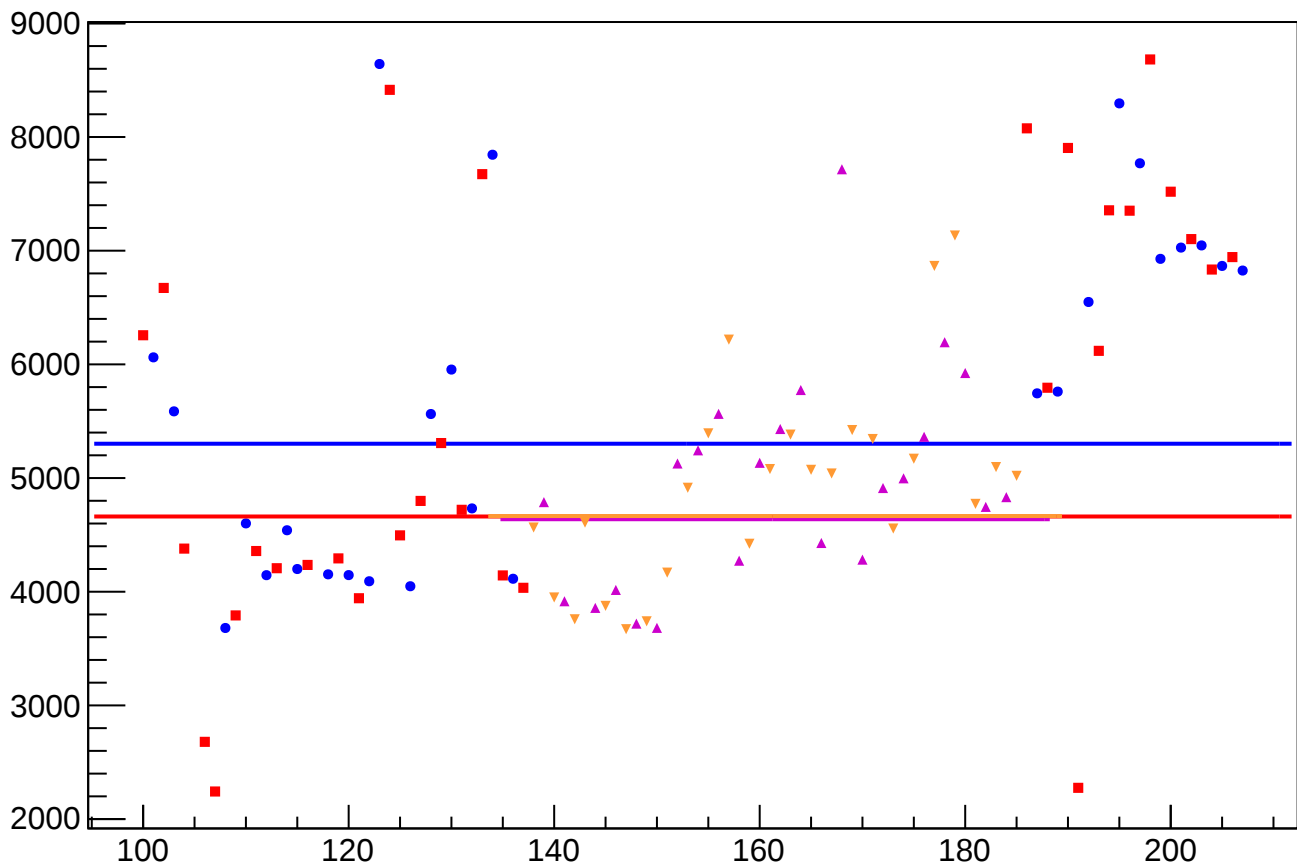
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -417.287 ± 885.448 χ^2/NDF : 57.7/51

All: 463.297 ± 614.280 χ^2/NDF : 104.5/105

- sign 1280.358 ± 852.913 χ^2/NDF : 44.9/53

asym_atl1r2_dd_rms vs Slug



Right In: 5301.896+/-1.043 χ^2/NDF : 1651832.8/26

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

Right Out: 4661.820+/-0.916 χ^2/NDF : 3791470.1/30

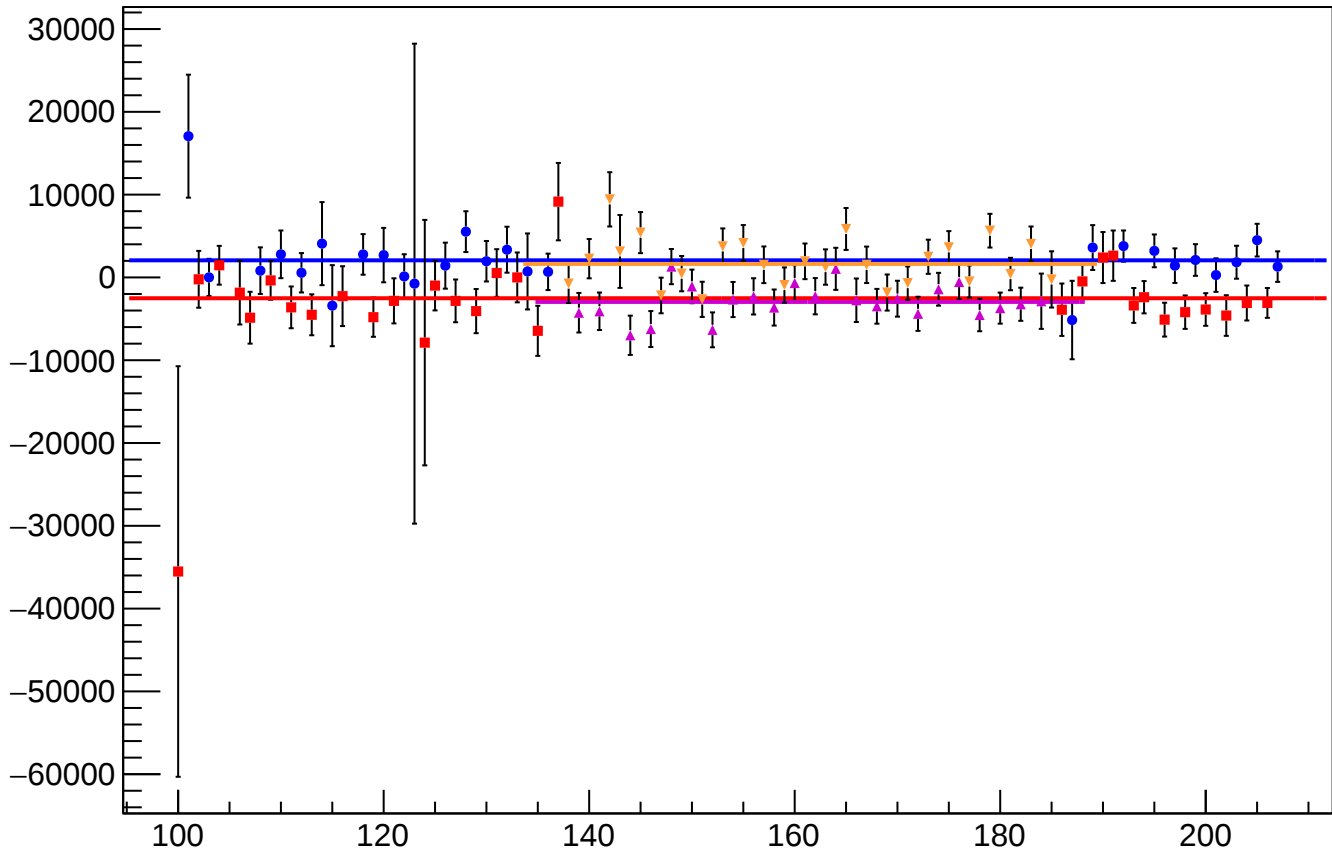
Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

+ sign 4894.710+/-0.626 χ^2/NDF : 2907027.2/51

All: 4766.593+/-0.434 χ^2/NDF : 7844681.7/10

- sign 4648.166+/-0.602 χ^2/NDF : 4857078.7/53

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2064.966 $\pm$ 486.086 χ^2 /NDF: 16.8/26

Left Out: 1630.035 $\pm$ 447.063 χ^2 /NDF: 35.4/24

Right Out: -2514.956 $\pm$ 465.669 χ^2 /NDF: 29.3/30

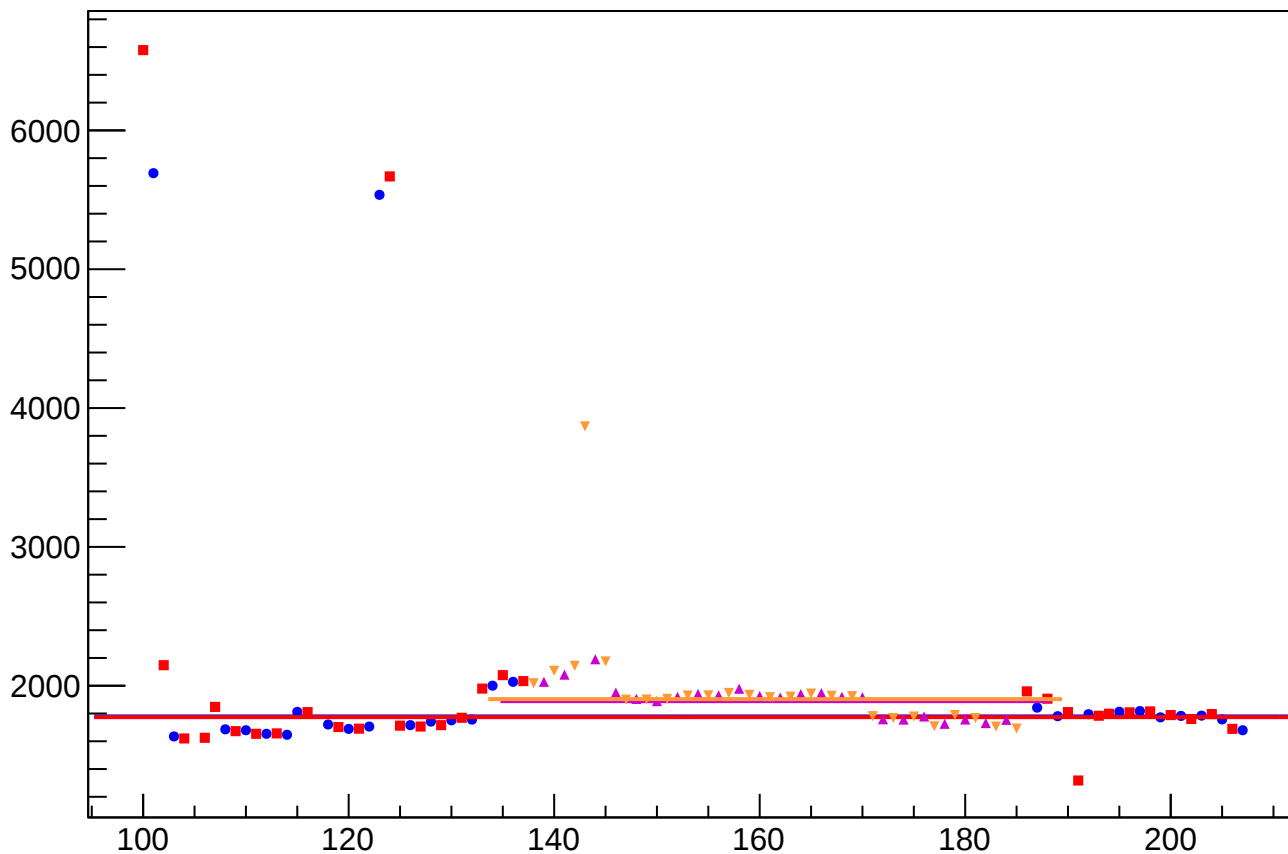
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1829.344 $\pm$ 329.054 χ^2 /NDF: 52.6/51

All: -485.235 $\pm$ 231.215 χ^2 /NDF: 200.5/105

- sign -2742.569 $\pm$ 324.959 χ^2 /NDF: 50.1/53

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1778.871 $\pm$ 0.344 χ^2 /NDF: 652580.1/26

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1773.712 $\pm$ 0.328 χ^2 /NDF: 373544.8/30

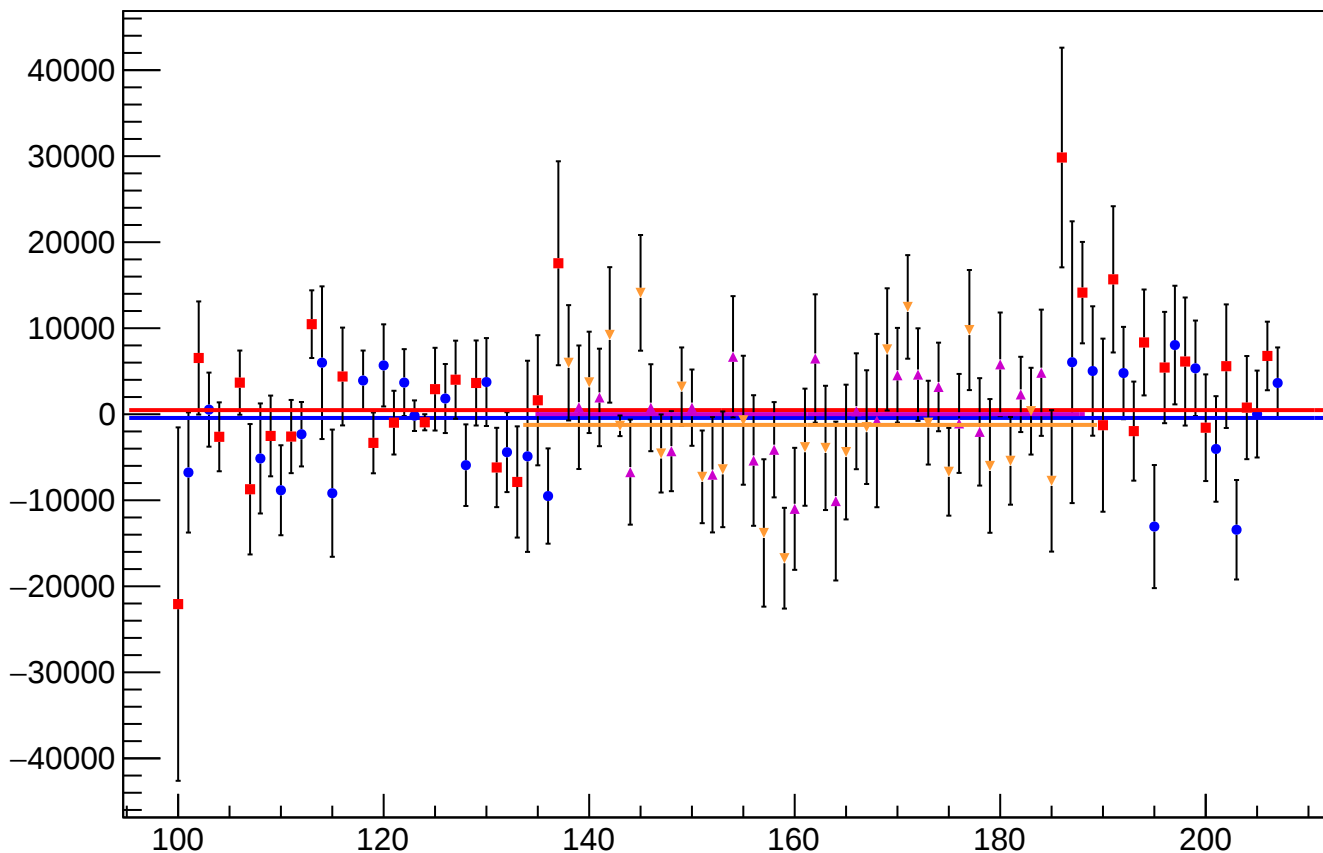
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1846.452 $\pm$ 0.233 χ^2 /NDF: 1265516.7/51

All: 1839.447 $\pm$ 0.163 χ^2 /NDF: 1830282.8/10

- sign 1832.637 $\pm$ 0.229 χ^2 /NDF: 562978.5/53

asym_atr1l2_avg_correction_mean vs Slug



Right In: -431.488+/-890.233 χ^2/NDF : 30.1/26

Left Out: -1239.833+/-865.201 χ^2/NDF : 33.9/24

Right Out: 479.603+/-675.554 χ^2/NDF : 43.4/30

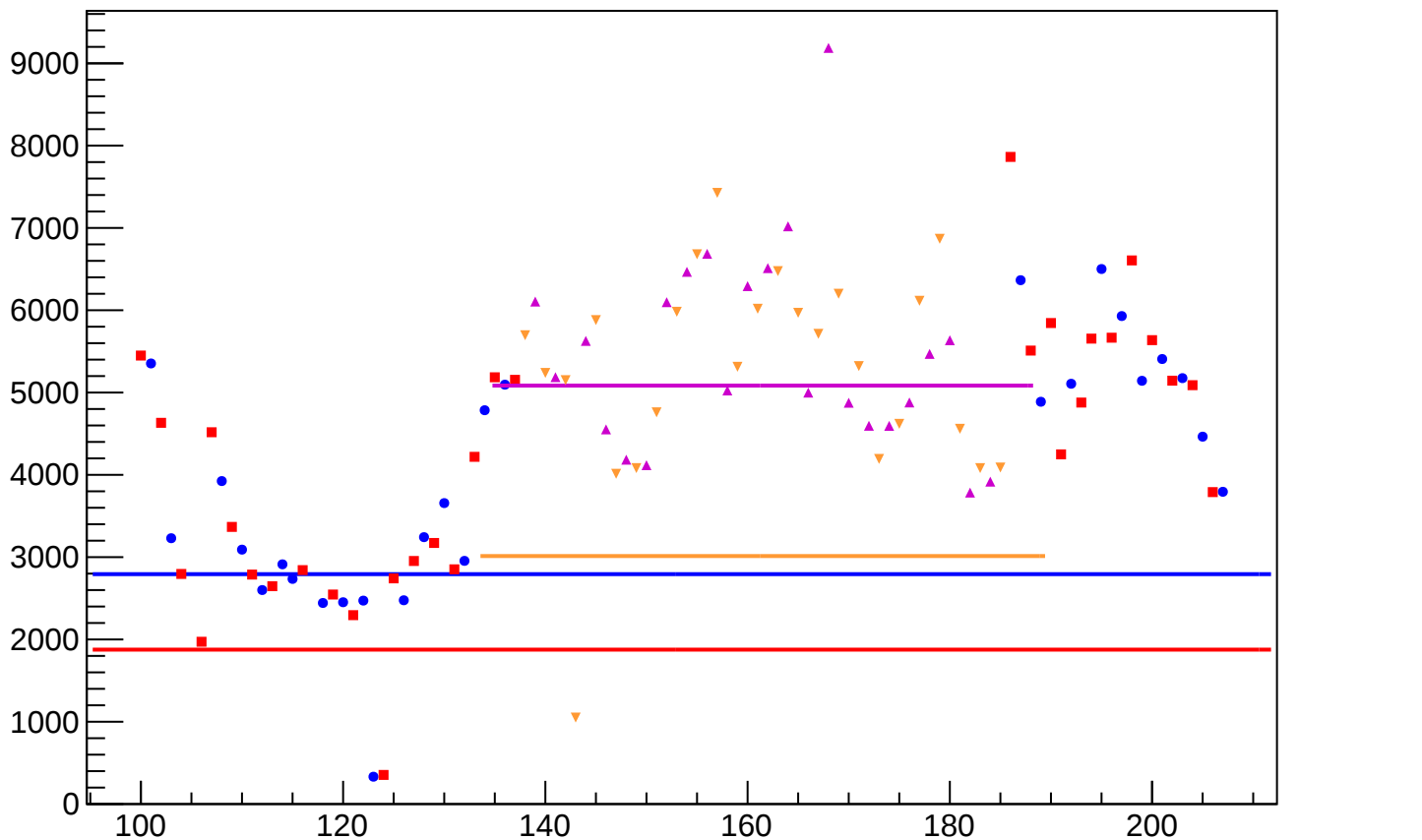
Left In: 15.863+/-1243.317 χ^2/NDF : 13.2/22

+ sign -847.185+/-620.451 χ^2/NDF : 64.5/51

All: -209.639+/-428.913 χ^2/NDF : 123.2/105

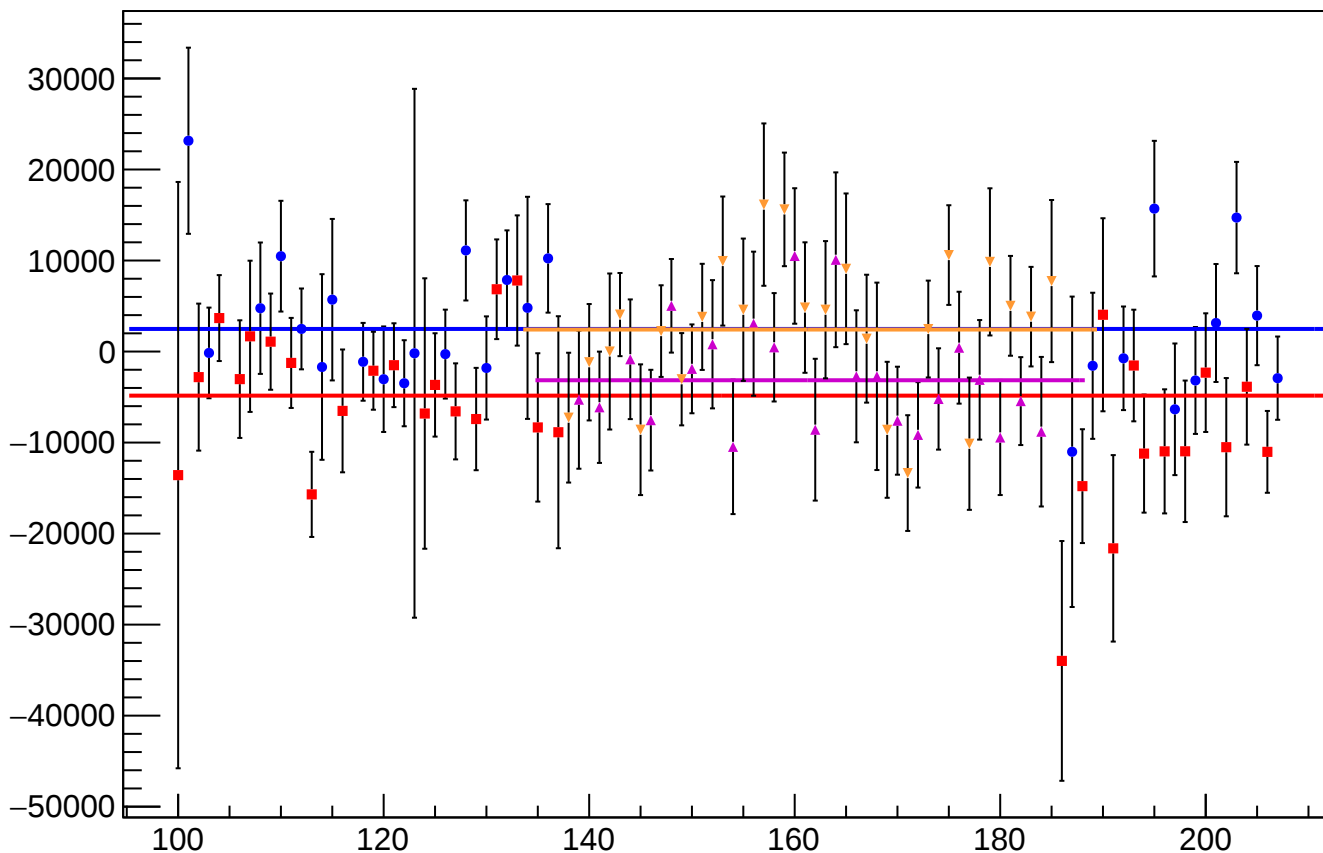
- sign 373.901+/-593.591 χ^2/NDF : 56.7/53

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2793.459+/-0.629	χ^2/NDF : 7708000.3/26	+ sign 2906.497+/-0.439	χ^2/NDF : 20041458.3/51
Left Out: 3013.268+/-0.612	χ^2/NDF : 12270753.9/24	All: 2750.400+/-0.303	χ^2/NDF : 46304263.4/1
Right Out: 1876.214+/-0.478	χ^2/NDF : 14434092.5/30	- sign 2607.526+/-0.420	χ^2/NDF : 26020344.8/53
Left In: 5084.645+/-0.879	χ^2/NDF : 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2483.039+/-1176.666 χ^2/NDF : 28.0/26

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -4844.158+/-1135.072 χ^2/NDF : 36.7/30

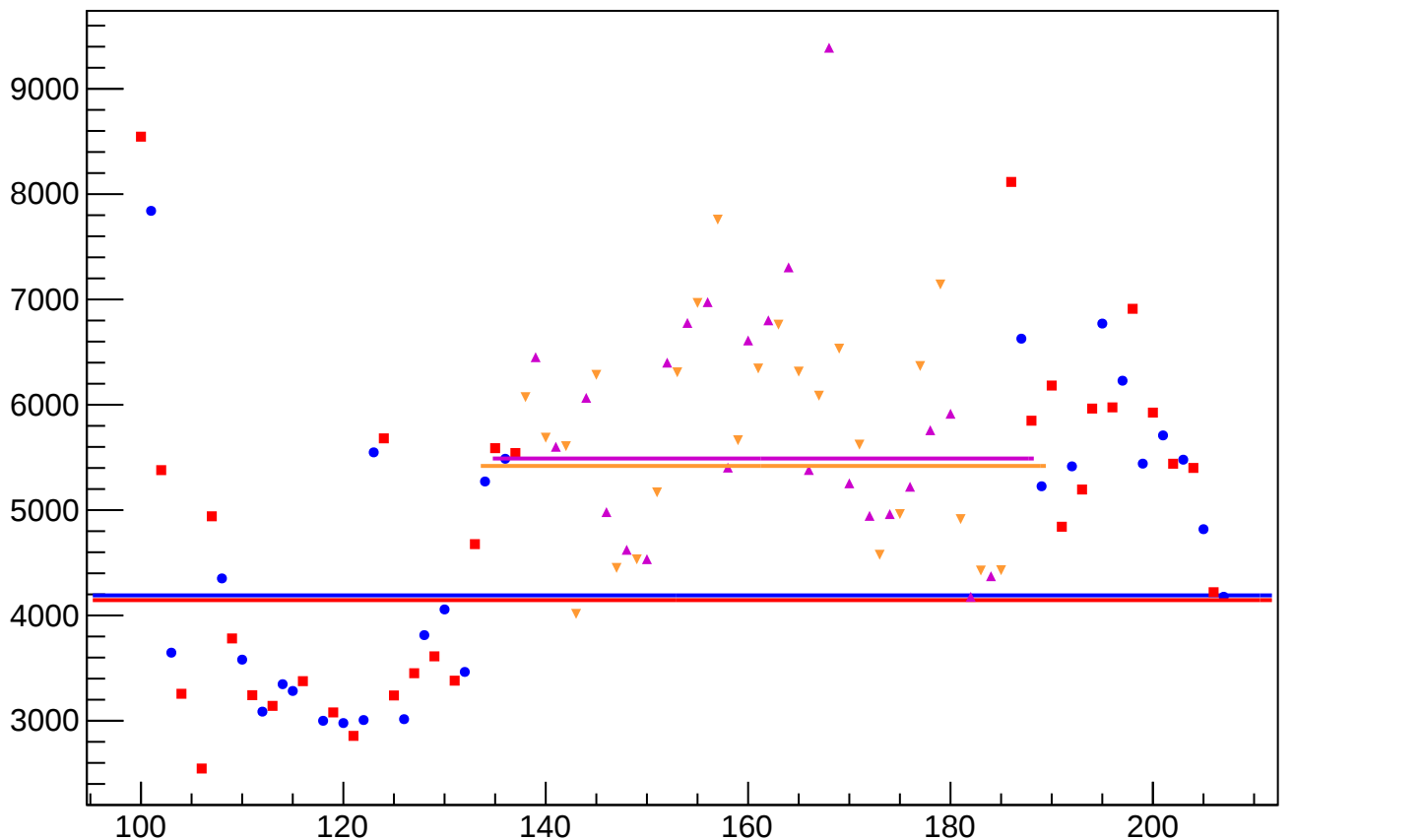
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2453.054+/-868.261 χ^2/NDF : 57.9/51

All: -852.465+/-612.939 χ^2/NDF : 139.9/105

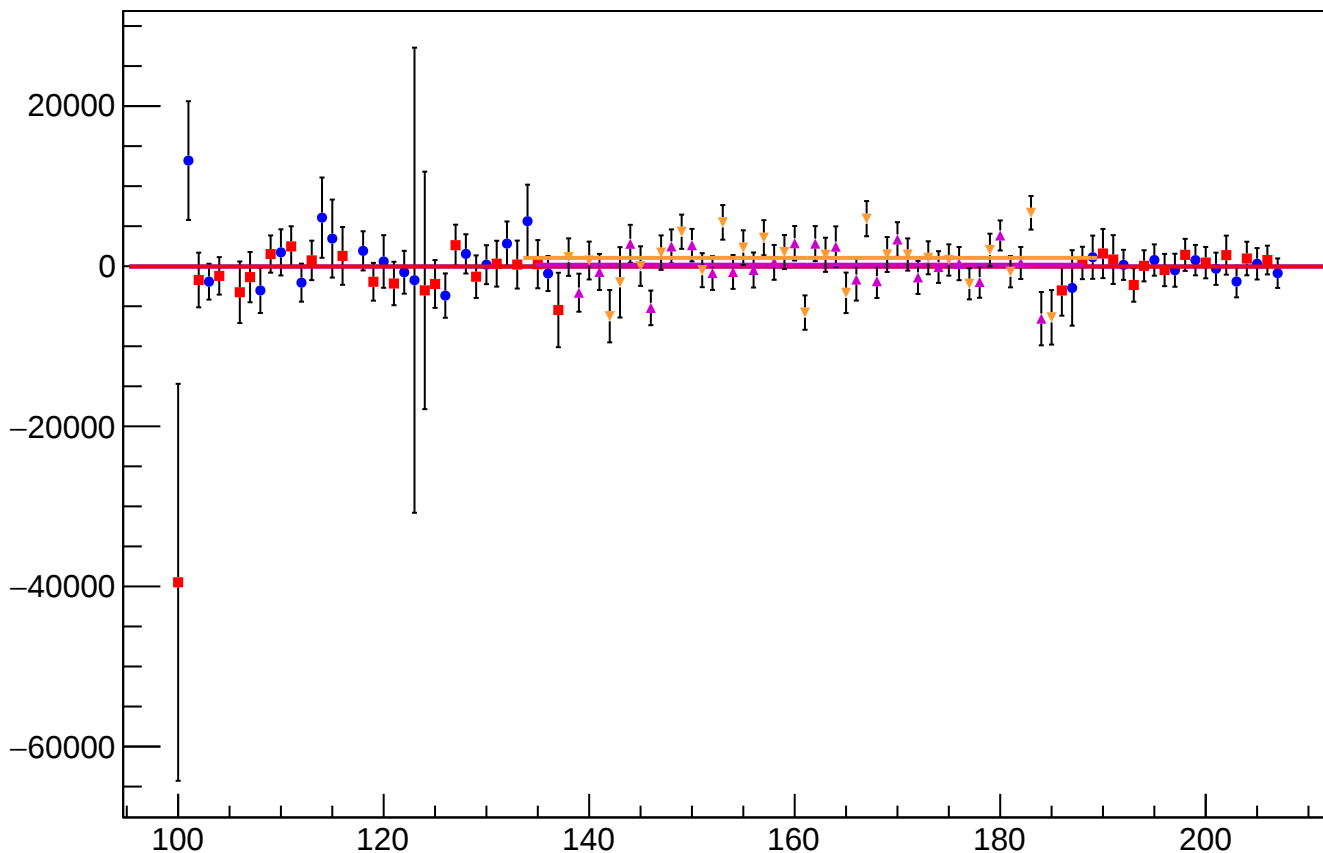
- sign -4136.224+/-865.399 χ^2/NDF : 53.1/53

asym_atr1l2_avg_rms vs Slug



Right In: 4190.434+/-0.832	χ^2/NDF : 1984611.3/26	+ sign 4750.189+/-0.614	χ^2/NDF : 4088226.4/51
Left Out: 5419.305+/-0.910	χ^2/NDF : 1109972.1/24		
Right Out: 4145.339+/-0.795	χ^2/NDF : 2421059.2/30	All: 4725.932+/-0.432	χ^2/NDF : 8761148.3/10
Left In: 5489.885+/-0.946	χ^2/NDF : 1064353.3/22	- sign 4702.102+/-0.609	χ^2/NDF : 4669827.5/53

reg_asym_atr1l2_dd_mean vs Slug



Right In: -33.610 ± 483.765 χ^2/NDF : 15.9/26

Left Out: 1041.262 ± 446.249 χ^2/NDF : 48.6/24

Right Out: -39.112 ± 463.623 χ^2/NDF : 14.0/30

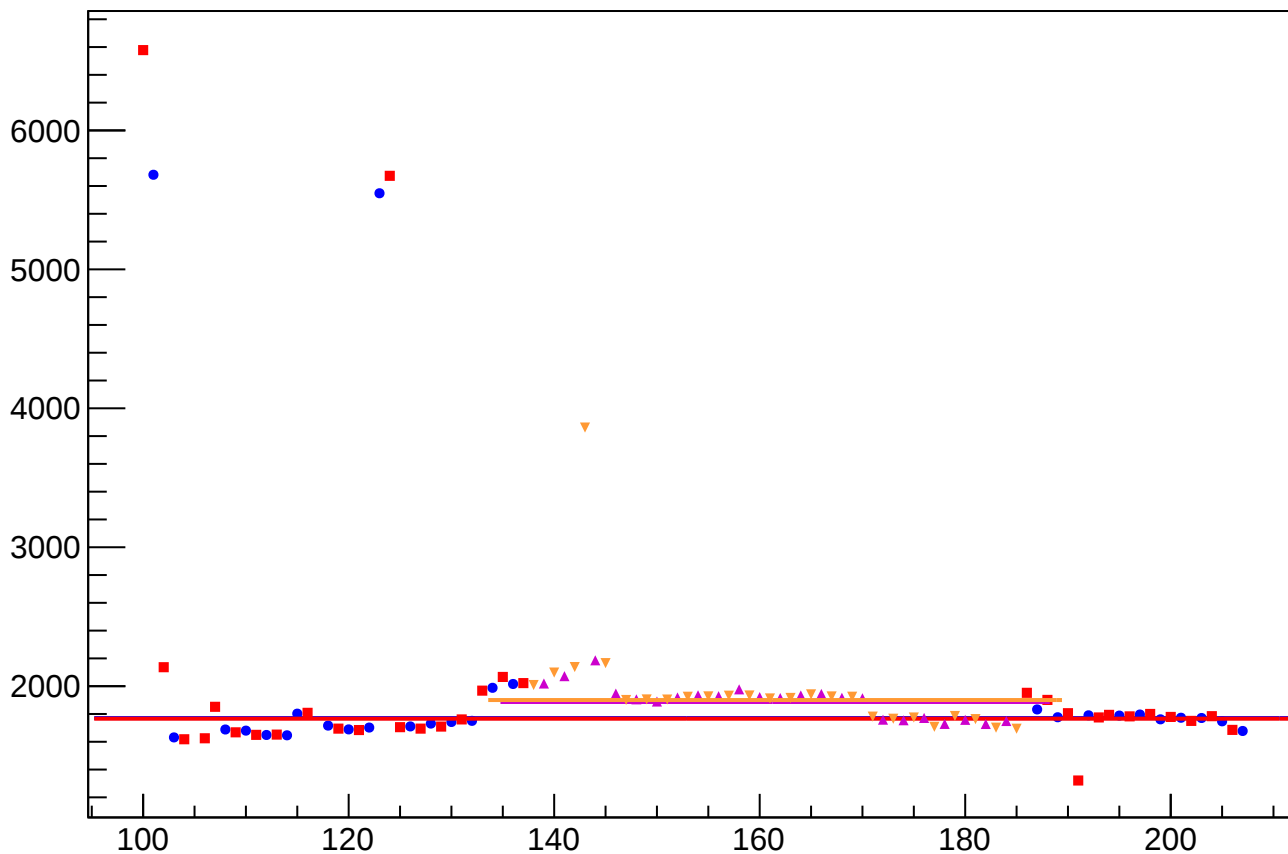
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 547.115 ± 328.008 χ^2/NDF : 67.1/51

All: 310.248 ± 230.517 χ^2/NDF : 112.3/105

- sign 79.091 ± 324.030 χ^2/NDF : 44.2/53

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1770.509+/-0.342 χ^2/NDF : 649676.0/26

Left Out: 1900.295+/-0.316 χ^2/NDF : 537892.5/24

Right Out: 1766.137+/-0.327 χ^2/NDF : 369798.9/30

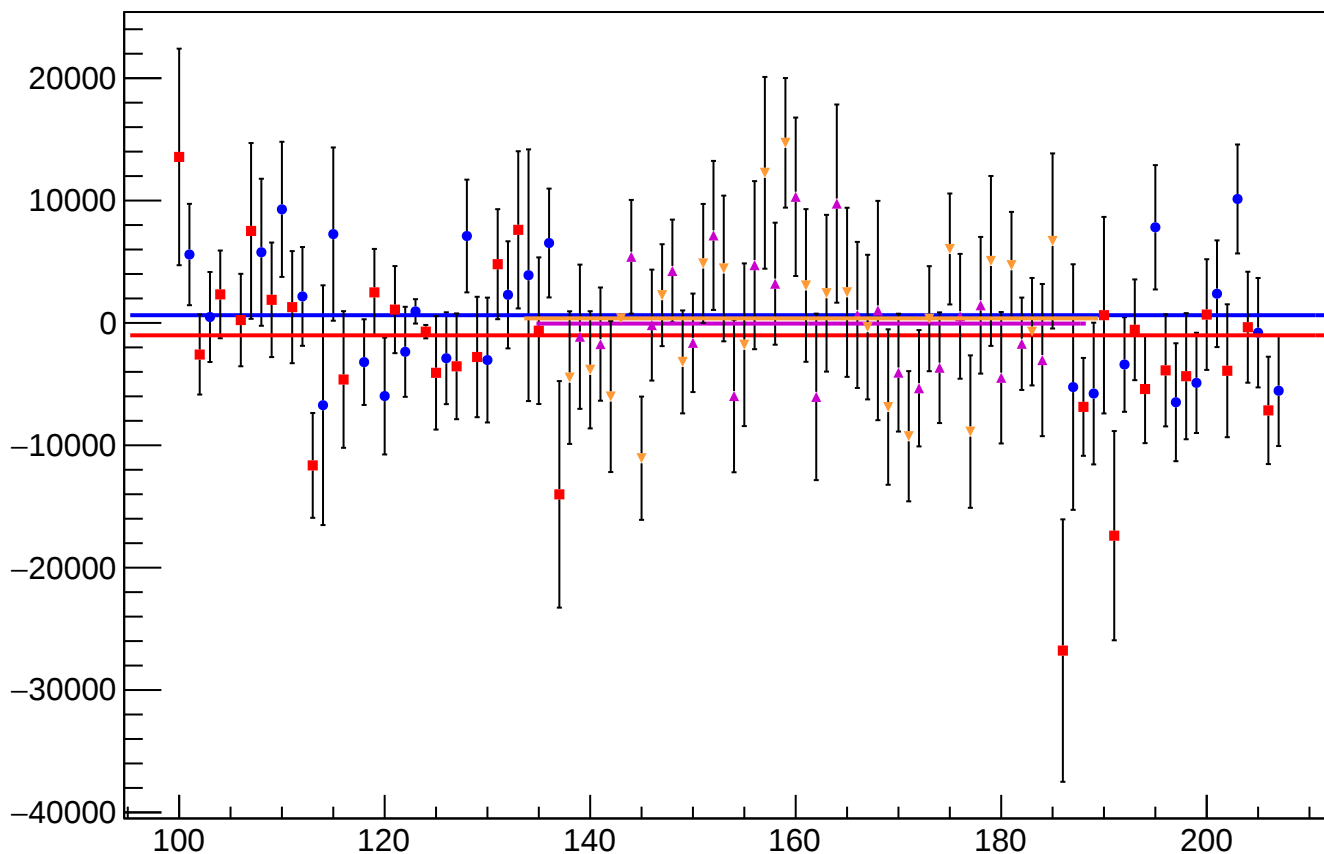
Left In: 1886.378+/-0.320 χ^2/NDF : 123520.6/22

+ sign 1840.629+/-0.232 χ^2/NDF : 1265341.6/51

All: 1833.950+/-0.163 χ^2/NDF : 1829333.1/10

- sign 1827.453+/-0.229 χ^2/NDF : 562355.7/53

asym_atr1l2_dd_correction_mean vs Slug



Right In: 630.799 ± 672.336 χ^2/NDF : 30.8/26

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -1013.236 ± 462.561 χ^2/NDF : 36.4/30

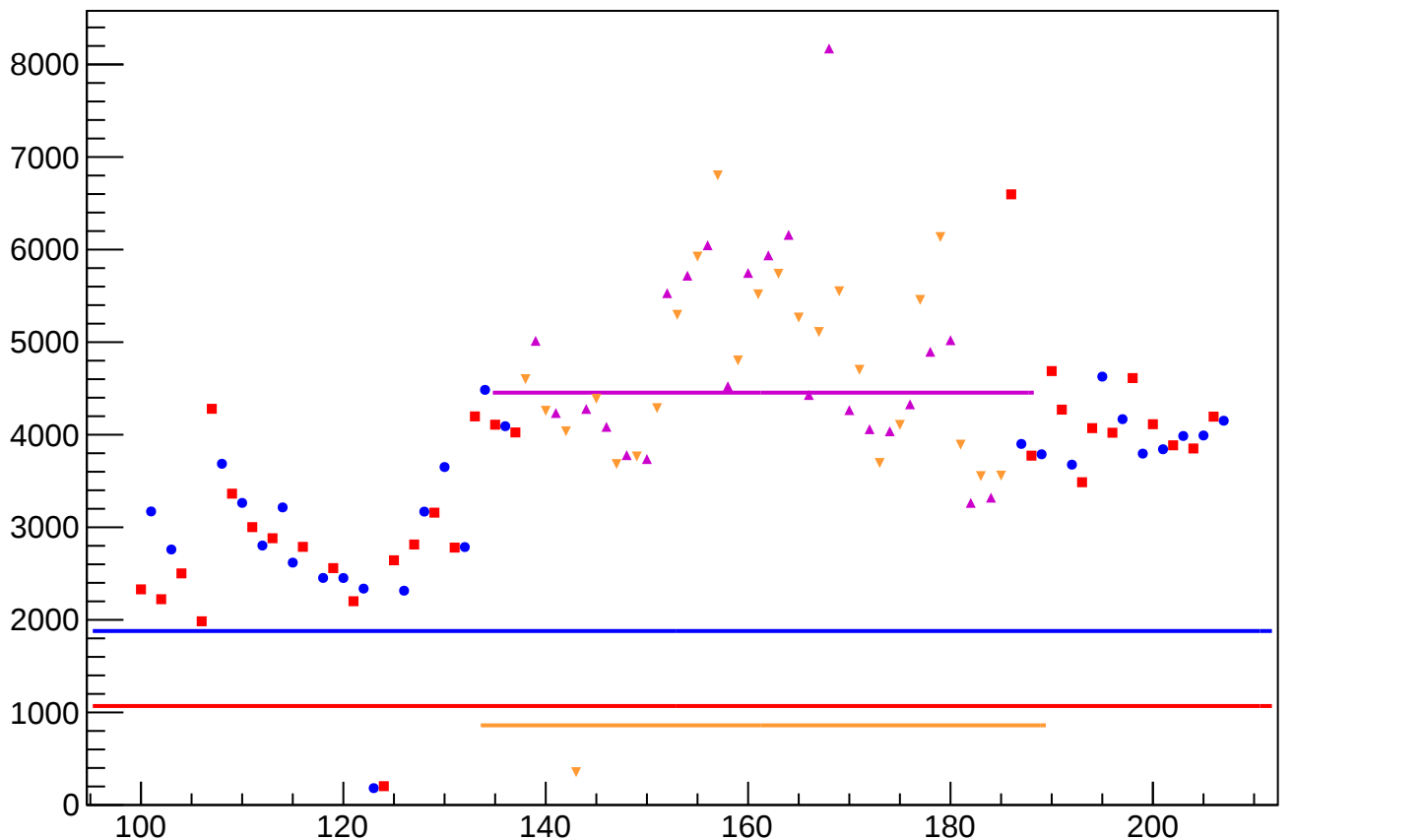
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 436.140 ± 332.181 χ^2/NDF : 61.7/51

All: -56.780 ± 261.908 χ^2/NDF : 119.1/105

- sign -866.689 ± 425.799 χ^2/NDF : 51.6/53

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1879.577+/-0.475 χ^2/NDF : 11854421.4/26

Left Out: 860.545+/-0.270 χ^2/NDF : 26340106.5/24

Right Out: 1069.252+/-0.327 χ^2/NDF : 19188645.4/30

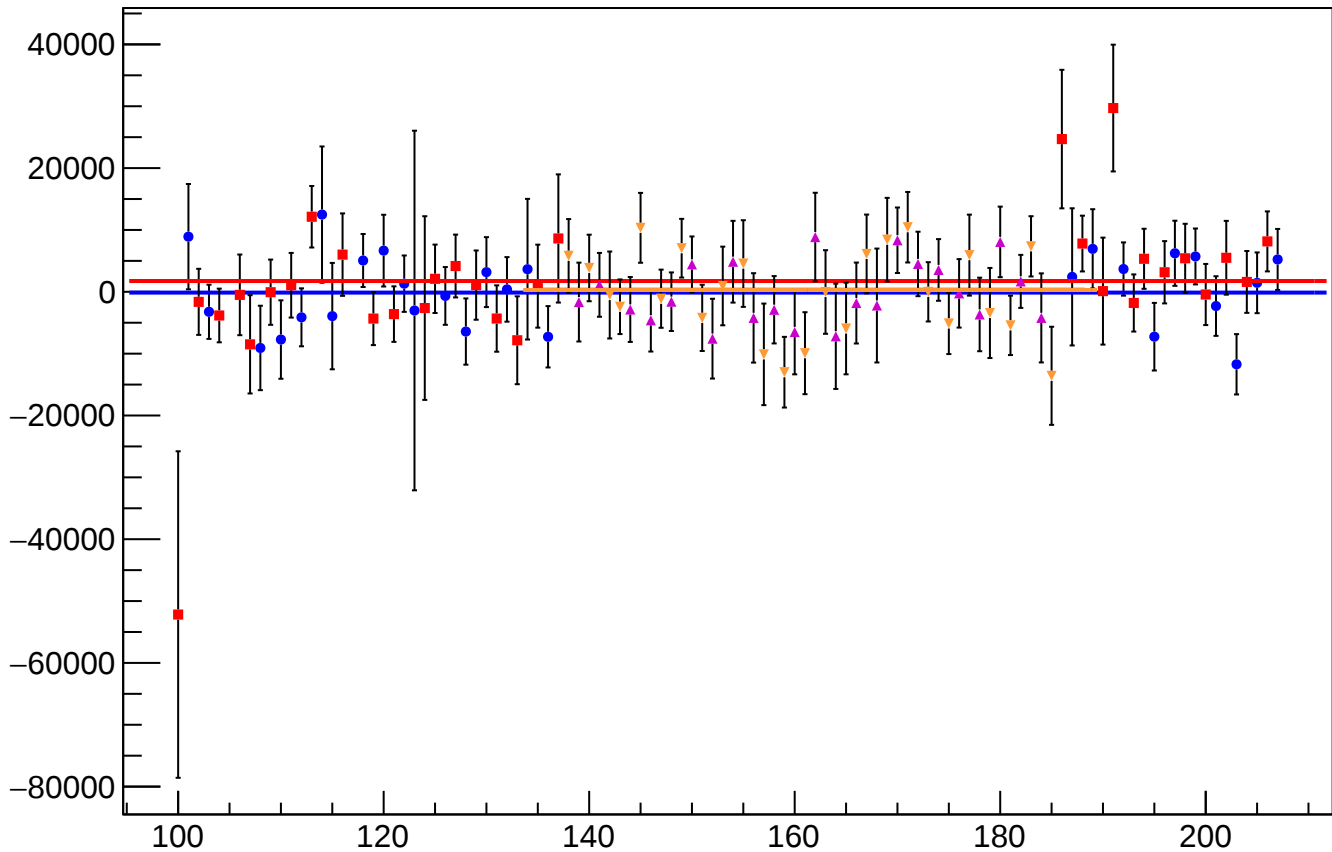
Left In: 4454.402+/-0.771 χ^2/NDF : 1349758.1/22

+ sign 1109.297+/-0.235 χ^2/NDF : 41667442.5/51

All: 1289.631+/-0.185 χ^2/NDF : 80112886.5/100

- sign 1585.934+/-0.301 χ^2/NDF : 36887519.8/53

asym_atr1l2_dd_mean vs Slug



Right In: -127.594 $\pm$ 1064.229 χ^2 /NDF: 27.9/26

Left Out: 288.508 $\pm$ 1155.419 χ^2 /NDF:32.4/24

Right Out: 1746.465 $\pm$ 1023.316 χ^2 /NDF: 37.7/30

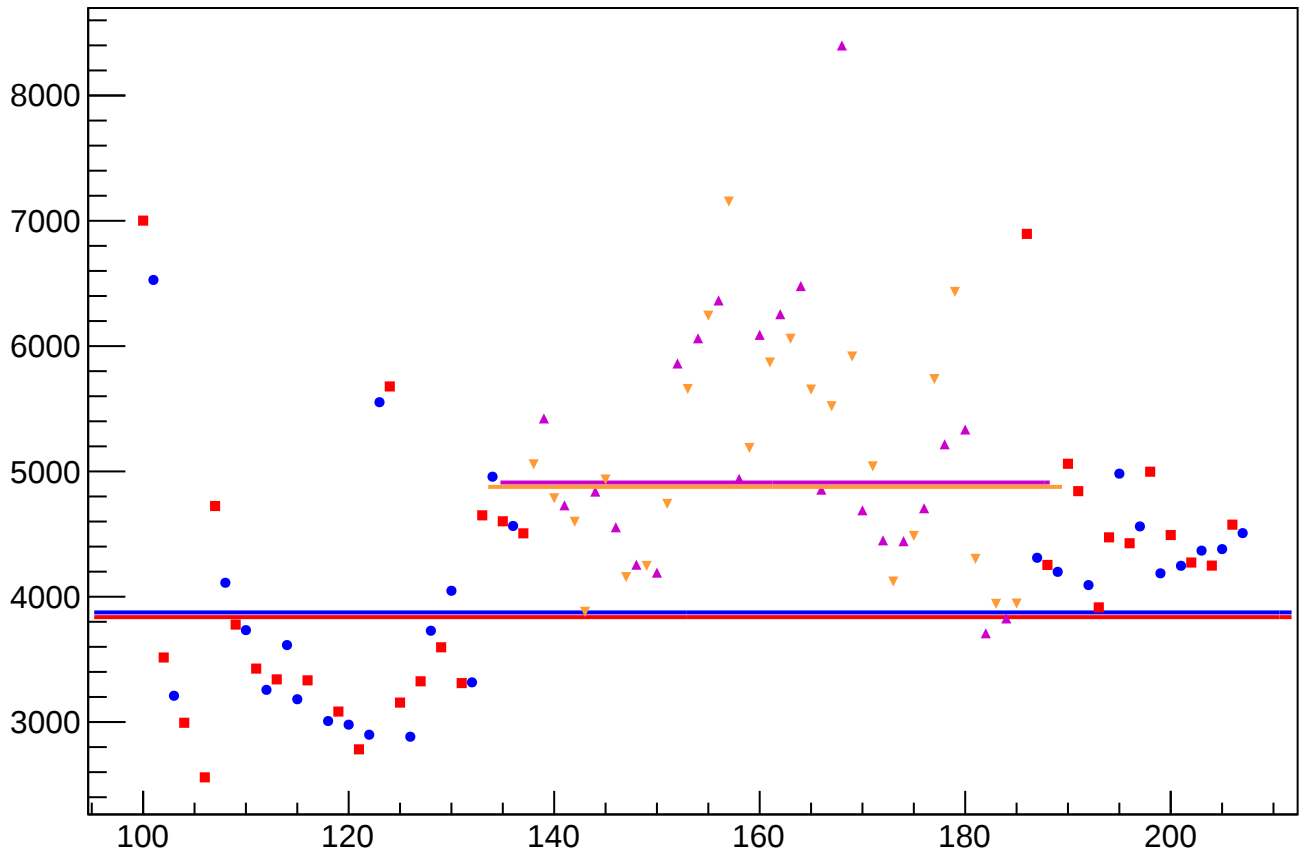
Left In: 332.488 $\pm$ 1196.011 χ^2 /NDF:14.7/22

+ sign 63.391 $\pm$ 782.779 χ^2 /NDF: 60.4/51

All: 609.755 $\pm$ 551.650 χ^2 /NDF: 114.5/105

- sign 1148.842 $\pm$ 777.549 χ^2 /NDF: 53.2/53

asym_atr1l2_dd_rms vs Slug



Right In: 3874.638 $\pm$ 0.753 χ^2 /NDF: 919261.4/26

Left Out: 4876.564 $\pm$ 0.817 χ^2 /NDF: 972528.1/24

Right Out: 3837.005 $\pm$ 0.718 χ^2 /NDF: 1123655.7/30

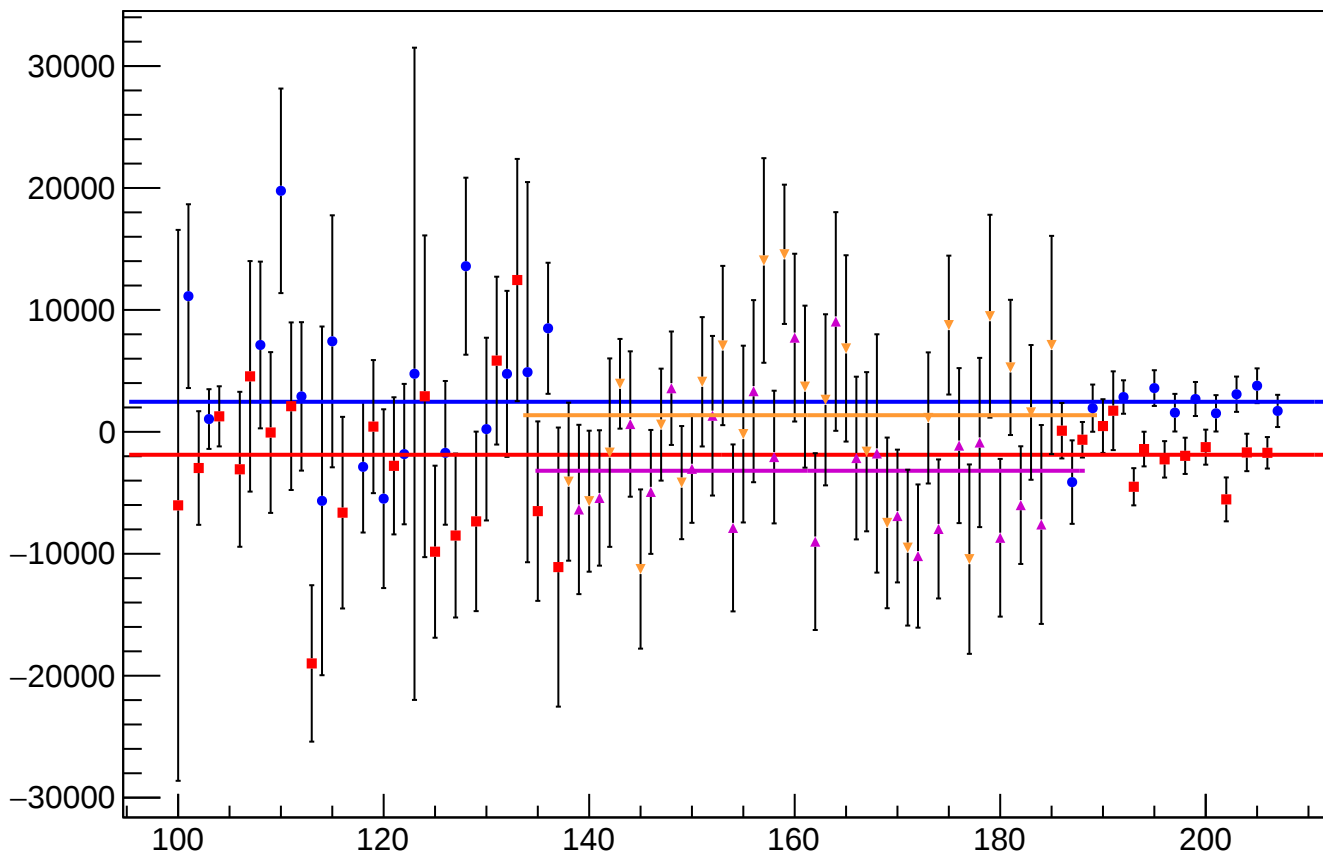
Left In: 4911.546 $\pm$ 0.846 χ^2 /NDF: 1043164.6/22

+ sign 4334.507 $\pm$ 0.554 χ^2 /NDF: 2705428.2/51

All: 4310.538 $\pm$ 0.389 χ^2 /NDF: 5814119.5/10

- sign 4287.100 $\pm$ 0.547 χ^2 /NDF: 3104982.5/53

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2465.500 $\pm$ 459.019 χ^2 /NDF: 20.6/26

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -1880.106 $\pm$ 441.423 χ^2 /NDF: 29.0/30

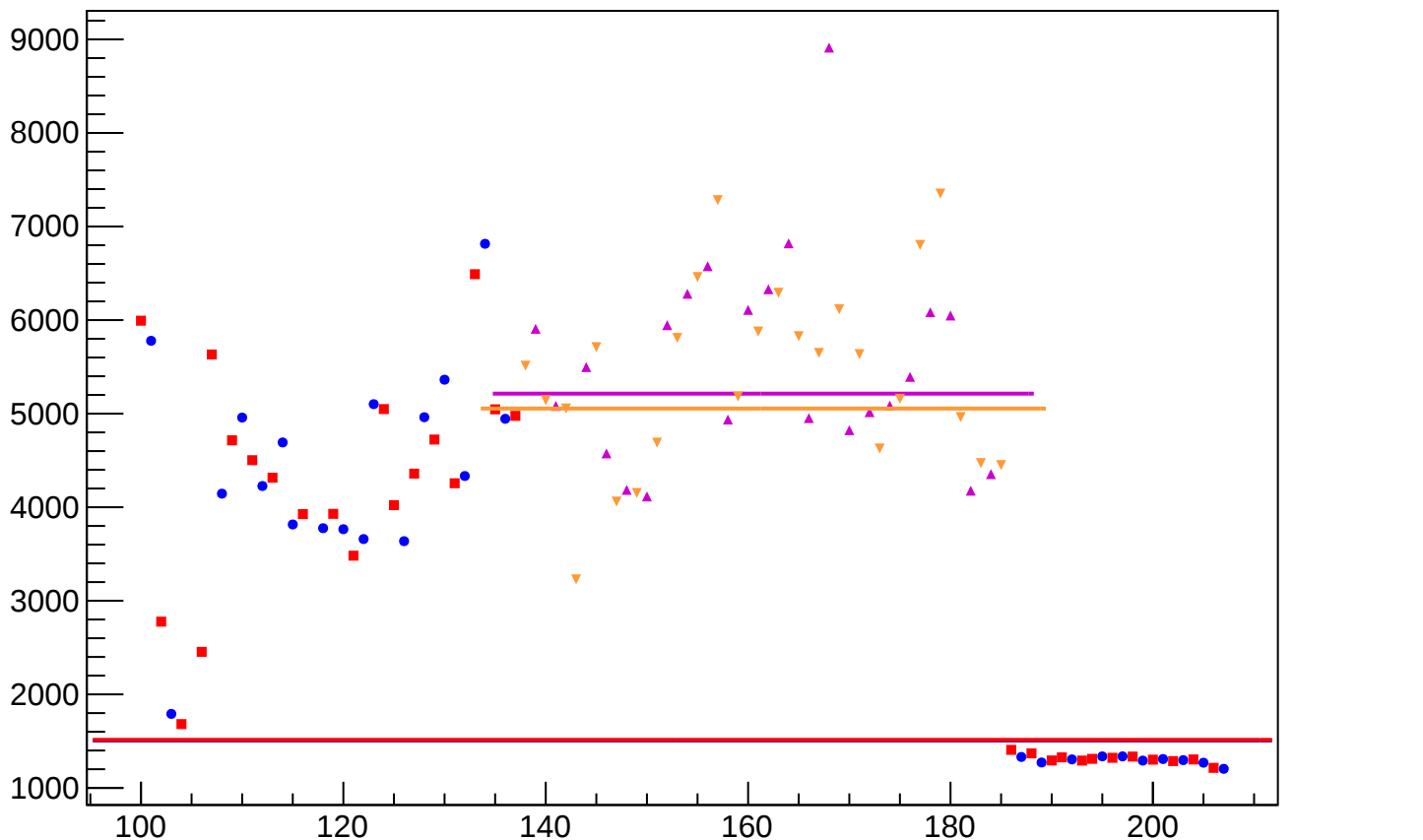
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 2326.312 $\pm$ 429.008 χ^2 /NDF: 49.2/51

All: 90.517 $\pm$ 299.002 χ^2 /NDF: 146.0/105

- sign -2021.418 $\pm$ 416.955 χ^2 /NDF: 43.9/53

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1507.369+/-0.325 χ^2/NDF : 5817984.9/26

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 1513.553+/-0.312 χ^2/NDF : 5746095.3/30

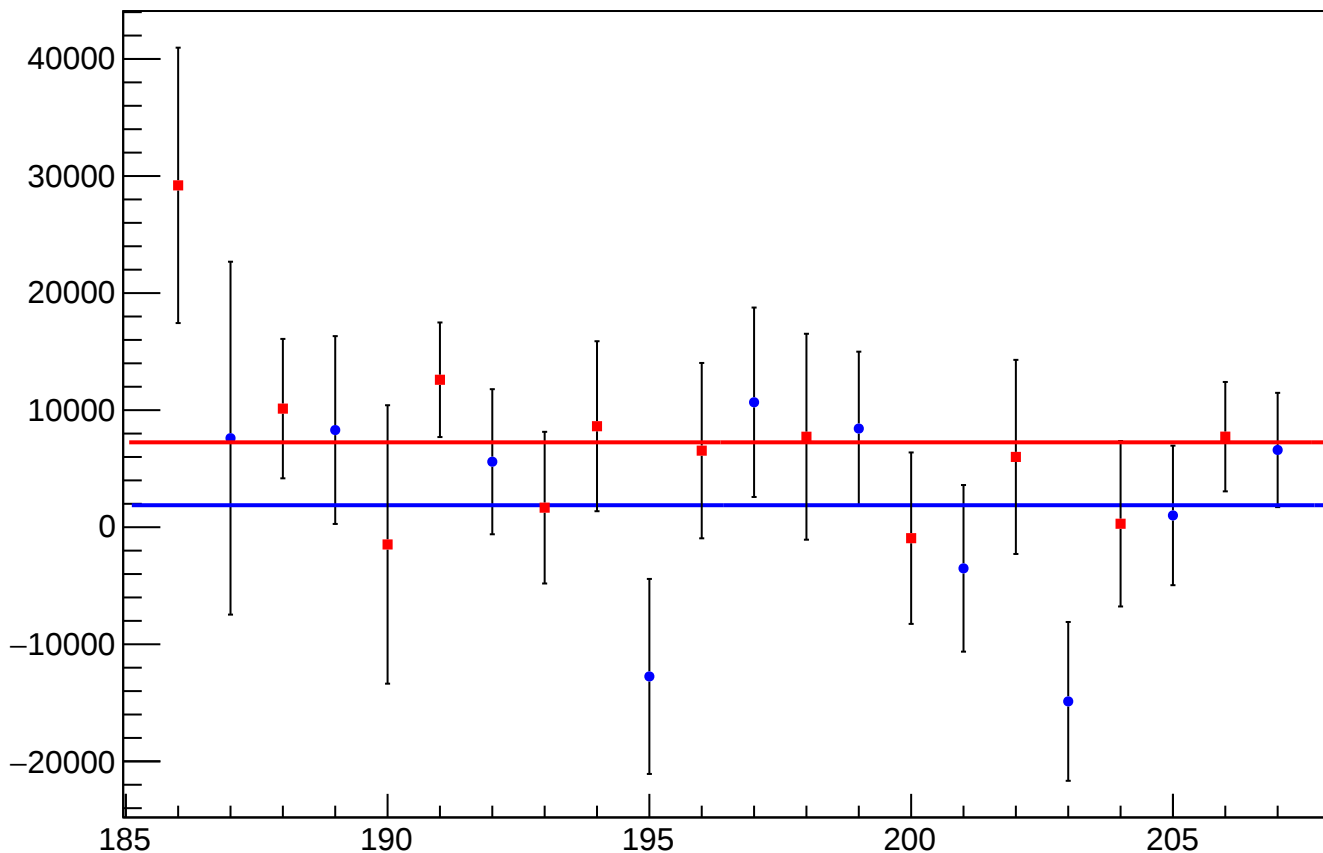
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 1956.057+/-0.303 χ^2/NDF : 22363623.8/51

All: 1933.251+/-0.211 χ^2/NDF : 44326349.1/1

- sign 1911.744+/-0.295 χ^2/NDF : 21951743.1/53

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 1879.225+/-2179.820 χ^2/NDF : 14.0/9

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

Right Out: 7251.852+/-1973.248 χ^2/NDF : 8.5/11

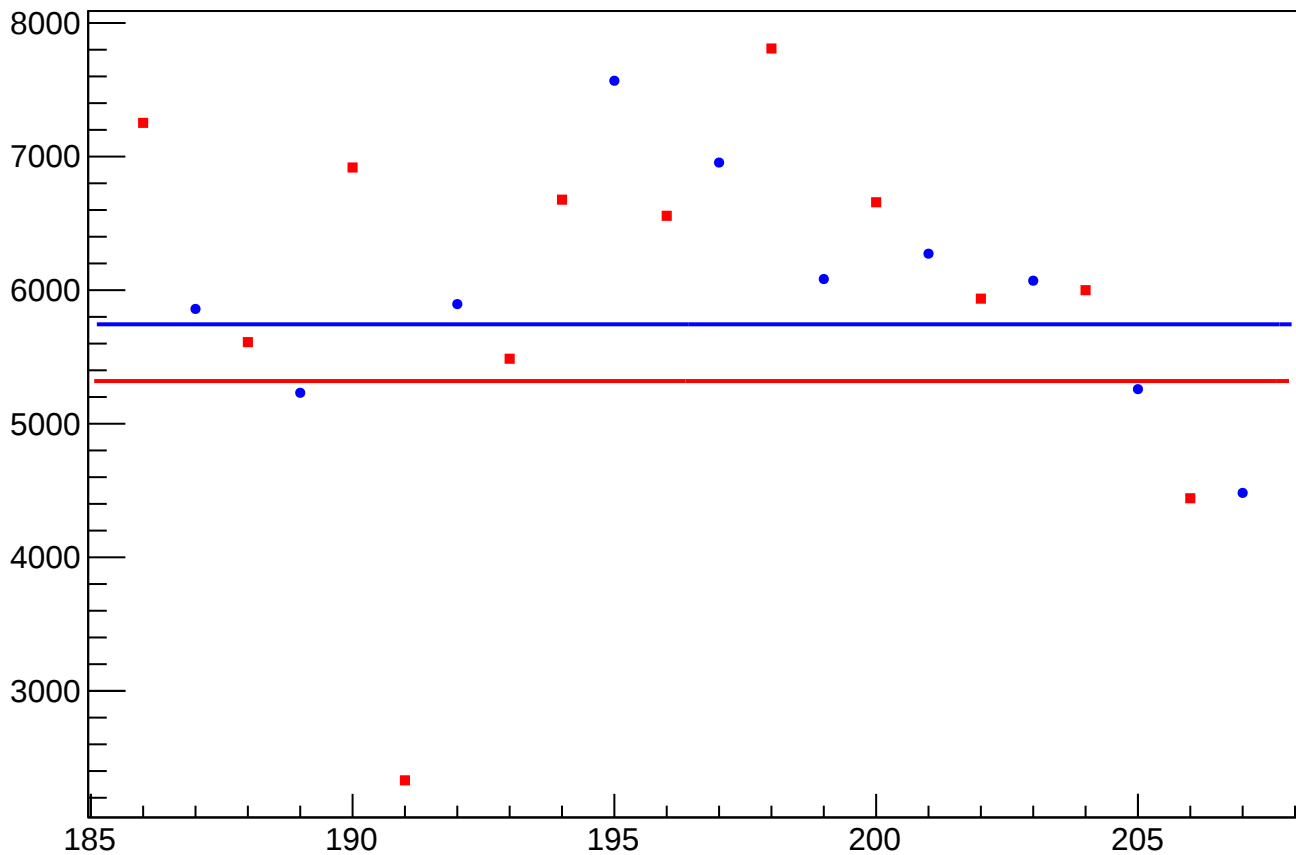
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4832.111+/-1462.890 χ^2/NDF : 25.9/21

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5744.316+/-1.541 χ^2/NDF : 318122.2/9

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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

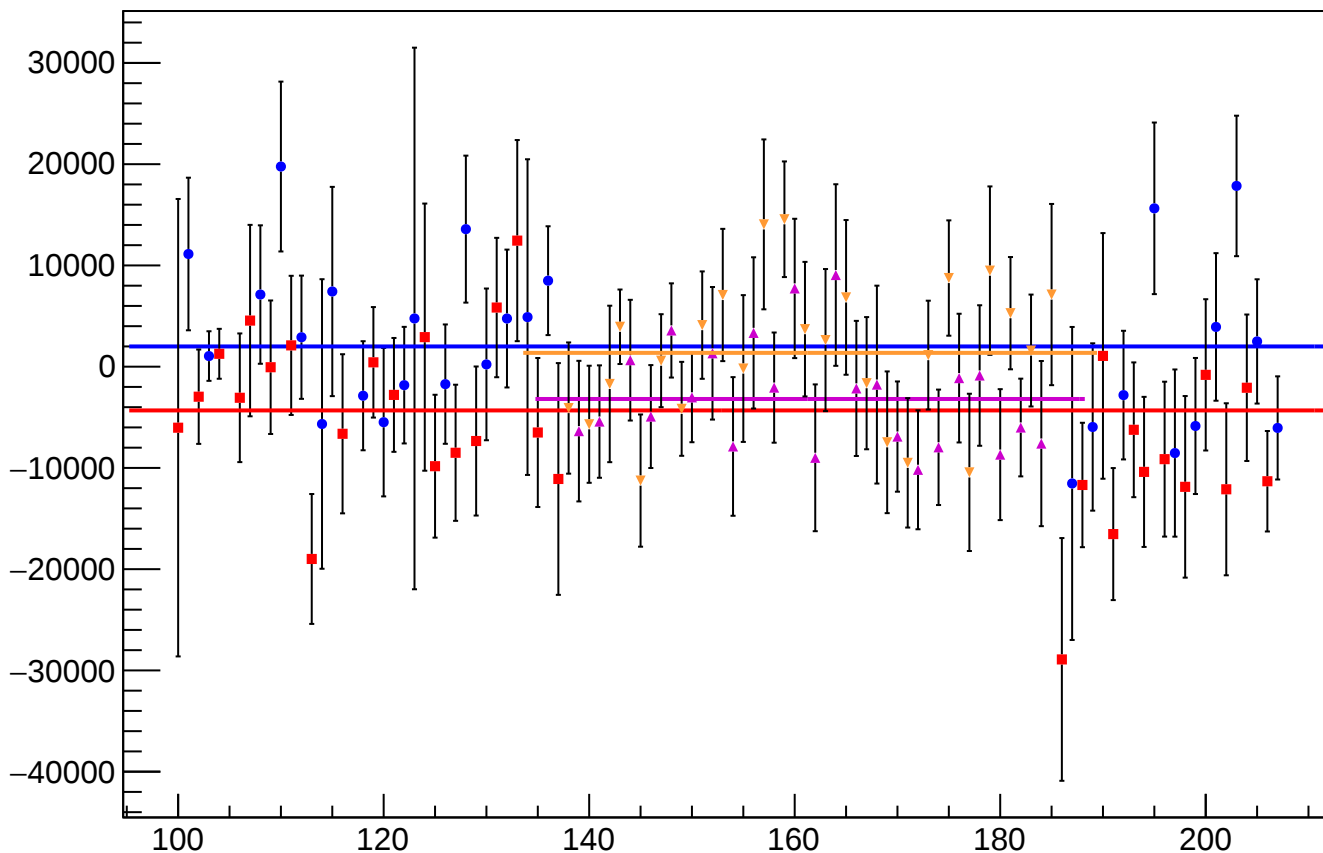
Right Out: 5319.633+/-1.395 χ^2/NDF : 1294076.0/11

All: 5510.903+/-1.034 χ^2/NDF : 1653921.4/21

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

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

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1997.828 $\pm$ 1220.992 χ^2 /NDF: 29.9/26

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -4321.137 $\pm$ 1156.490 χ^2 /NDF: 34.9/30

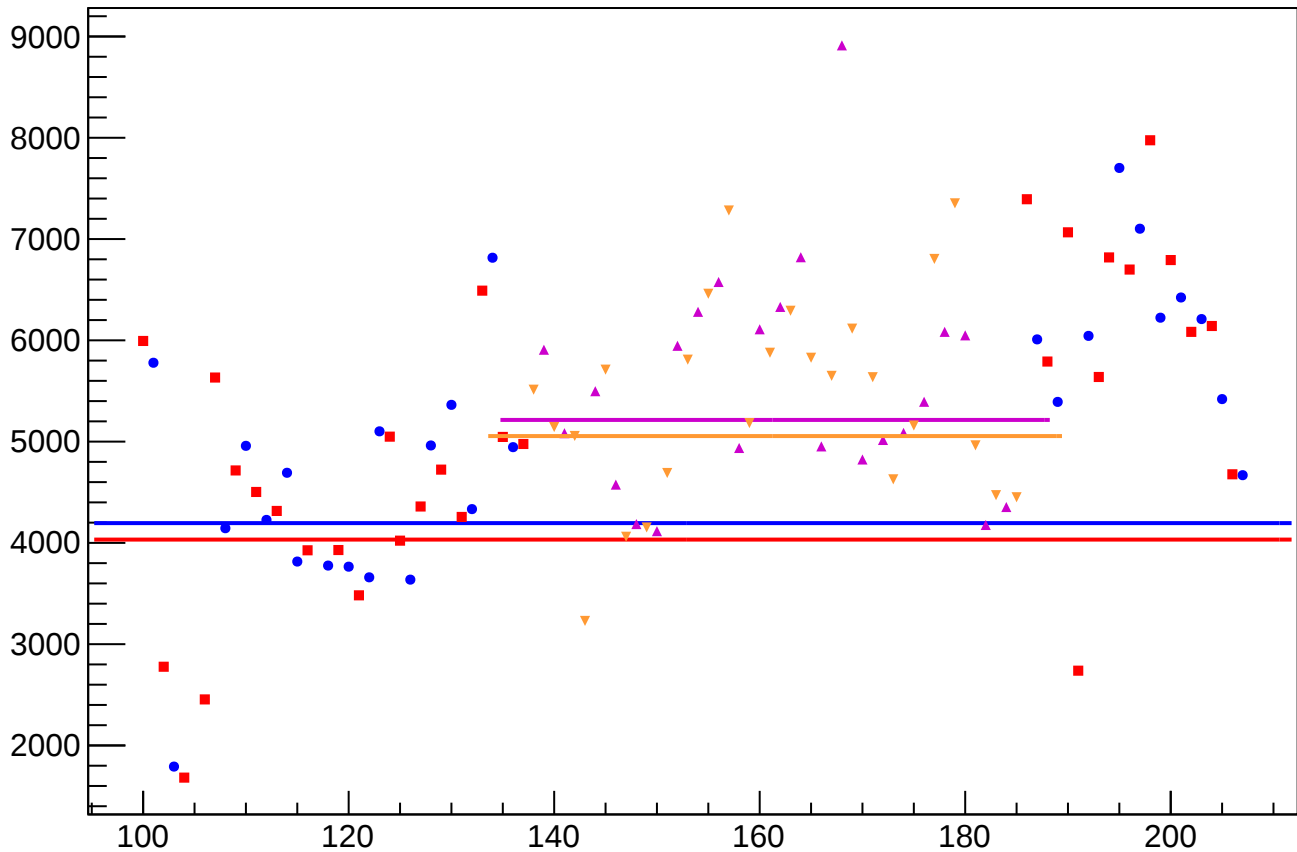
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1677.616 $\pm$ 858.119 χ^2 /NDF: 58.0/51

All: -1075.348 $\pm$ 605.707 χ^2 /NDF: 127.8/105

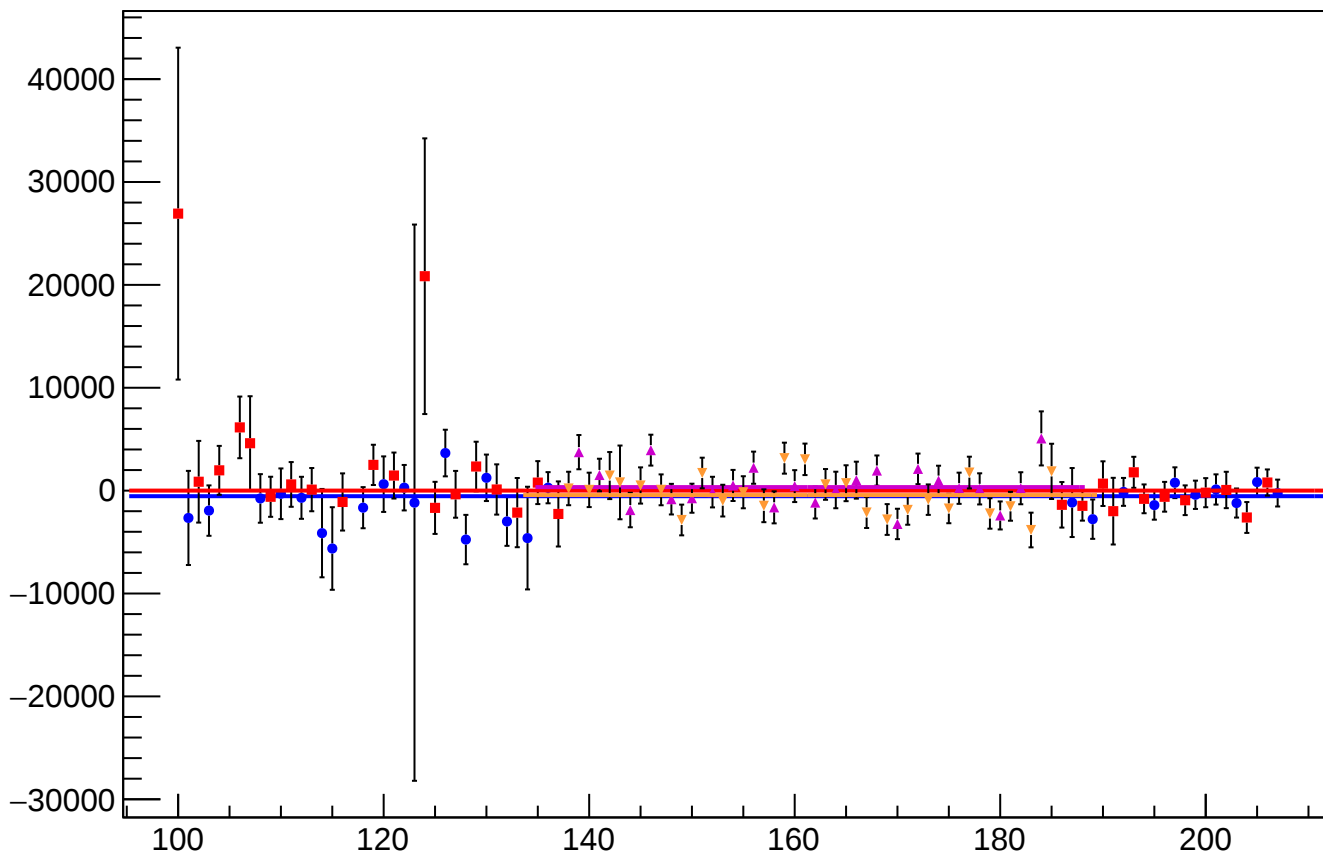
- sign -3808.902 $\pm$ 855.088 χ^2 /NDF: 49.3/53

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4195.311+/-0.863	χ^2/NDF : 3725312.9/26	+ sign 4630.217+/-0.607	χ^2/NDF : 5663967.4/51
Left Out: 5054.711+/-0.853	χ^2/NDF : 1437224.7/24		
Right Out: 4032.680+/-0.812	χ^2/NDF : 4618557.2/30	All: 4597.106+/-0.428	χ^2/NDF : 12292653.3/100
Left In: 5214.120+/-0.898	χ^2/NDF : 1052501.5/22	- sign 4564.459+/-0.602	χ^2/NDF : 6622772.1/53

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -541.072 $\pm$ 373.513 χ^2 /NDF: 16.8/26

Left Out: -431.715 $\pm$ 320.540 χ^2 /NDF:33.1/24

Right Out: 4.300 $\pm$ 362.925 χ^2 /NDF: 23.7/30

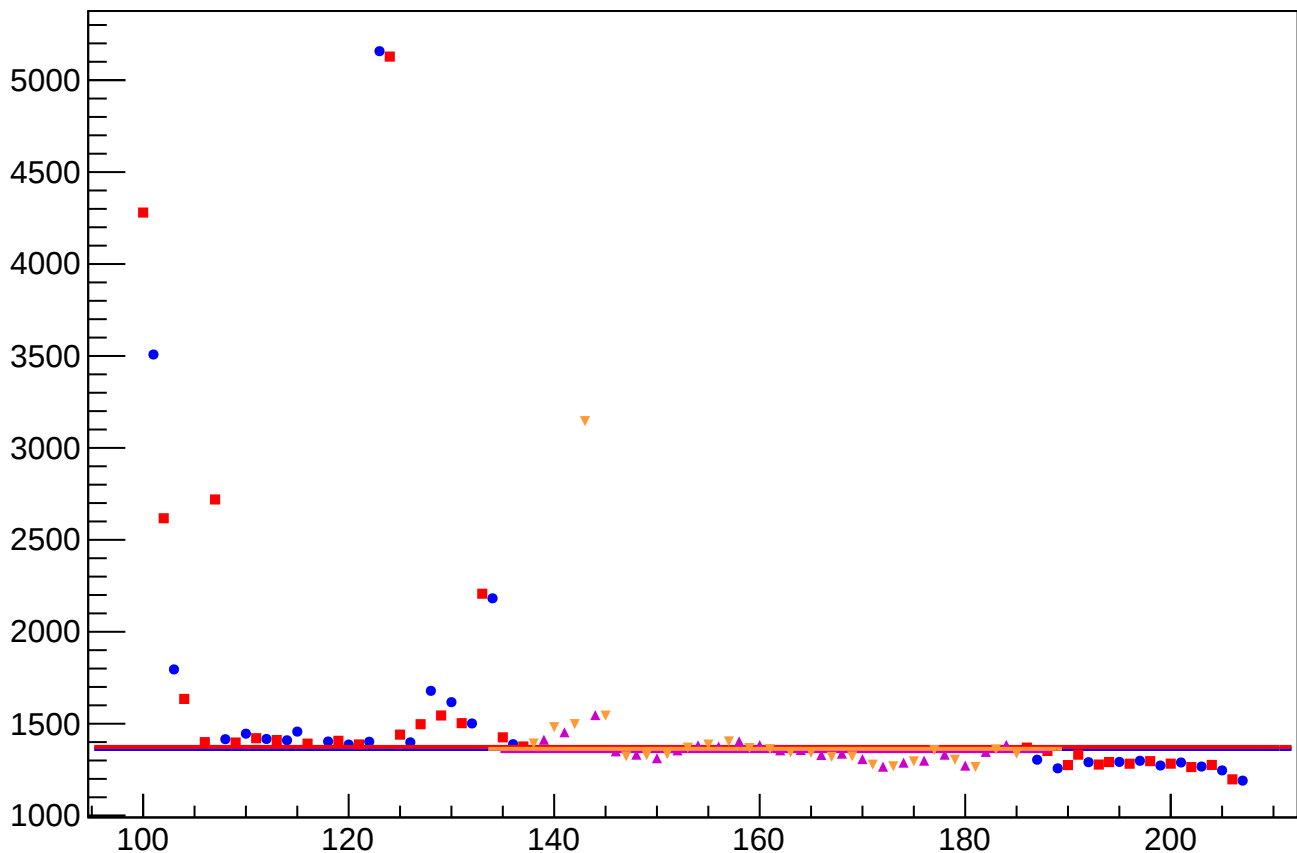
Left In: 343.737 $\pm$ 324.368 χ^2 /NDF:33.8/22

+ sign -478.095 $\pm$ 243.248 χ^2 /NDF: 49.9/51

All: -140.613 $\pm$ 171.506 χ^2 /NDF: 111.7/105

- sign 193.001 $\pm$ 241.850 χ^2 /NDF: 57.9/53

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1362.632 $\pm$ 0.264 χ^2 /NDF: 763581.7/26

Left Out: 1363.561 $\pm$ 0.227 χ^2 /NDF: 575226.6/24

Right Out: 1373.836 $\pm$ 0.257 χ^2 /NDF: 862013.7/30

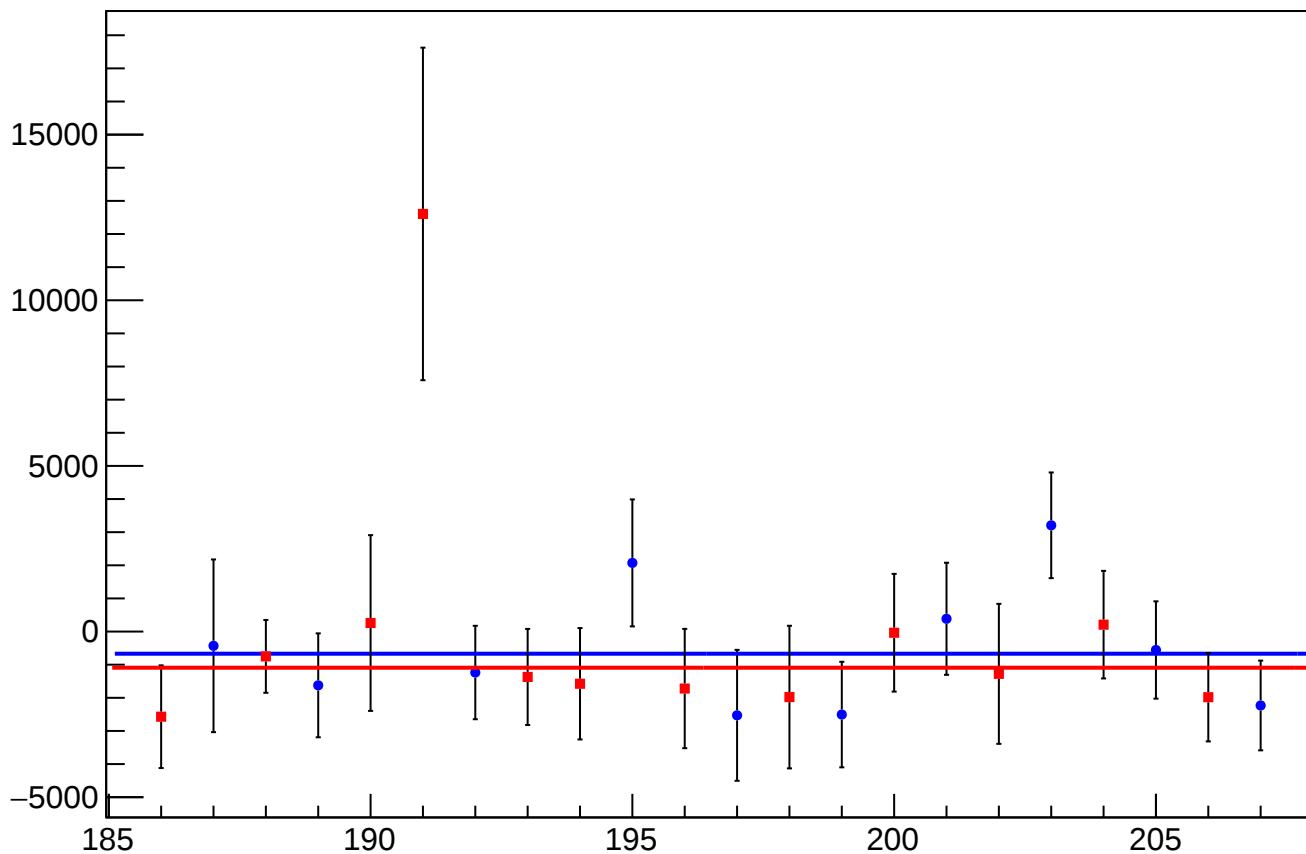
Left In: 1350.909 $\pm$ 0.229 χ^2 /NDF: 67144.5/22

+ sign 1363.167 $\pm$ 0.172 χ^2 /NDF: 1338815.5/51

All: 1362.123 $\pm$ 0.121 χ^2 /NDF: 2272484.1/10

- sign 1361.090 $\pm$ 0.171 χ^2 /NDF: 933595.2/53

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -668.686+/-517.778 χ^2/NDF : 12.4/9

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

Right Out: -1091.282+/-484.504 χ^2/NDF : 10.6/11

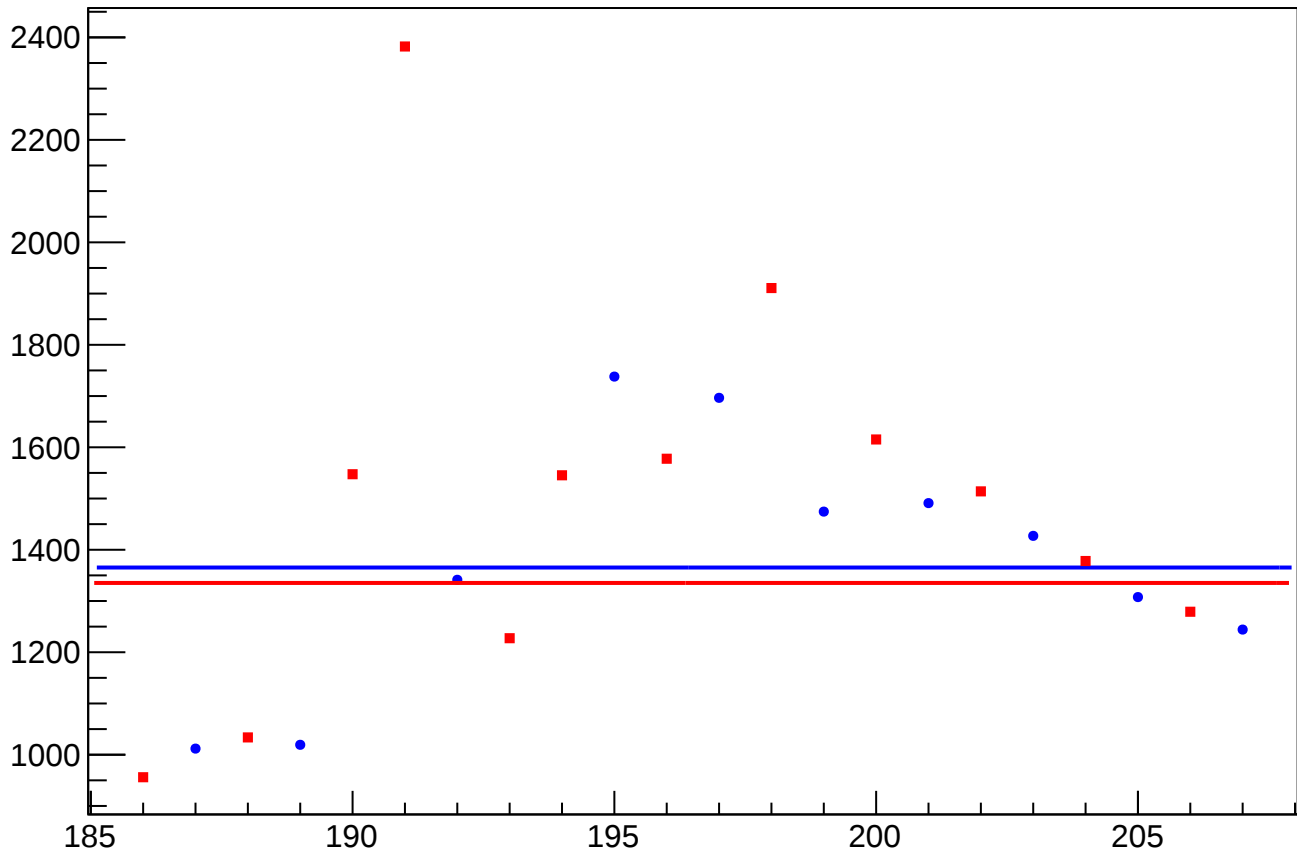
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -893.998+/-353.775 χ^2/NDF : 23.4/21

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1365.348 $\pm$ 0.366 χ^2 /NDF: 308945.0/9

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

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

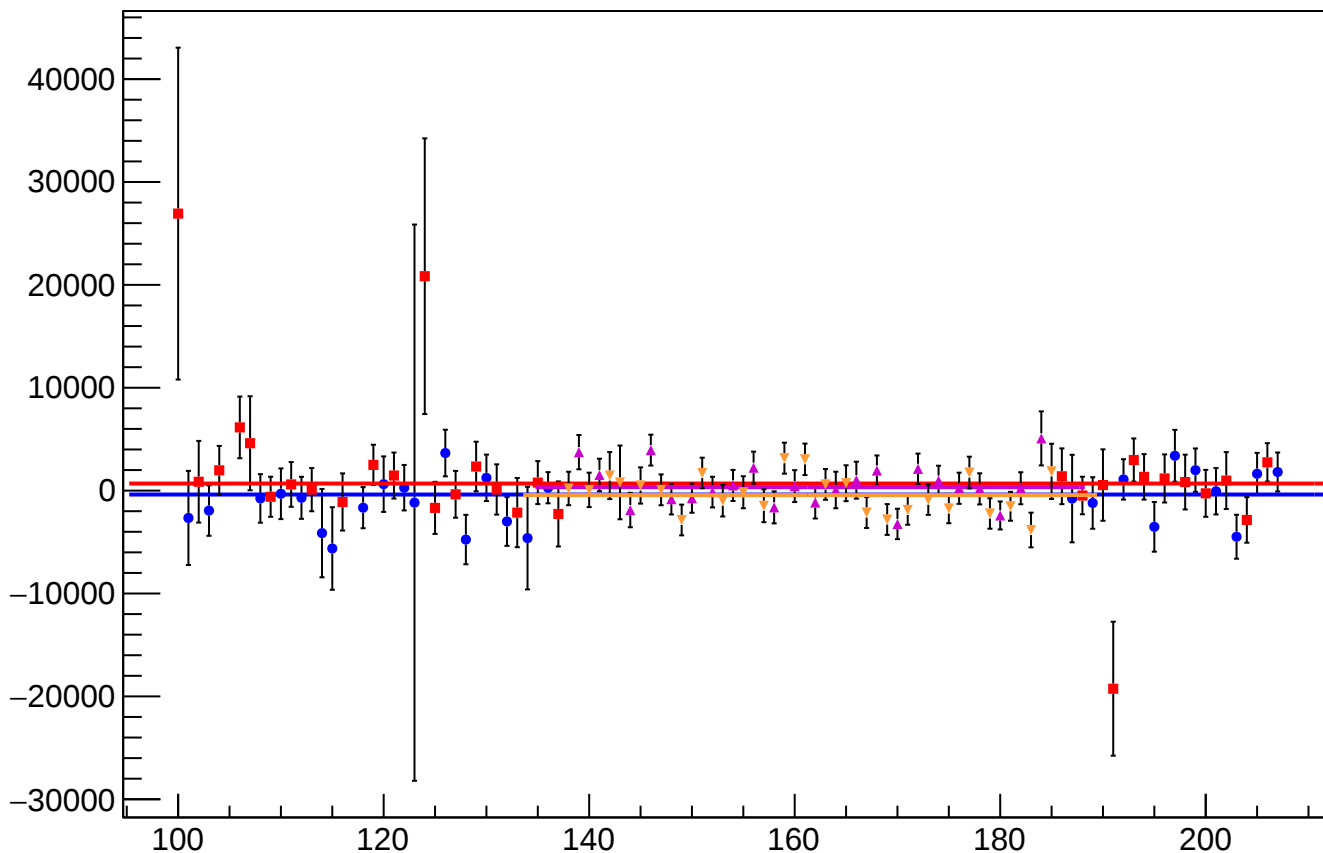
Right Out: 1335.239 $\pm$ 0.343 χ^2 /NDF: 660359.6/11

All: 1349.295 $\pm$ 0.250 χ^2 /NDF: 972910.5/21

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

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

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -379.170 ± 461.709 χ^2/NDF : 24.9/26

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 689.206 ± 450.735 χ^2/NDF : 29.5/30

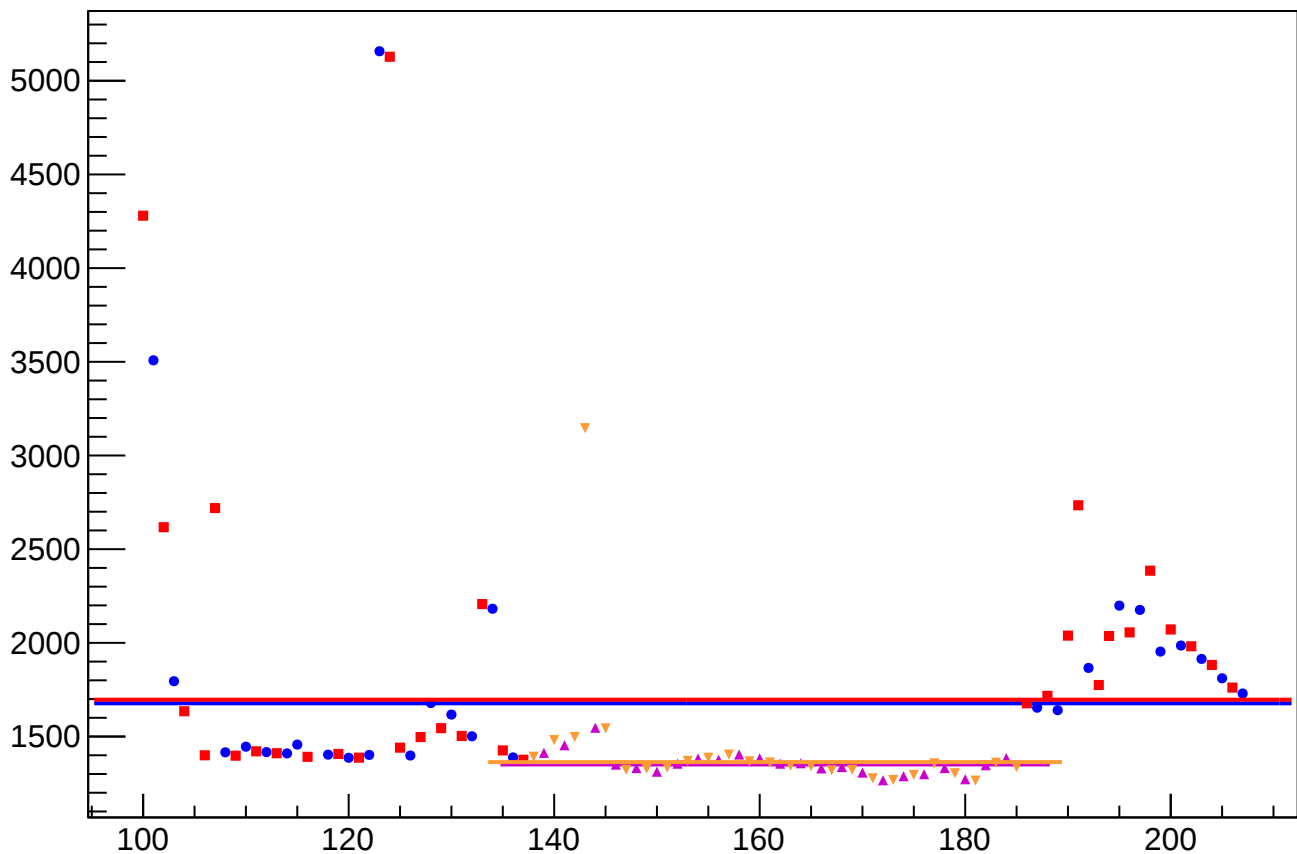
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -414.626 ± 263.306 χ^2/NDF : 57.9/51

All: 23.533 ± 186.177 χ^2/NDF : 127.1/105

- sign 461.607 ± 263.281 χ^2/NDF : 63.6/53

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1677.343+/-0.326 χ^2 /NDF: 971038.2/26

Left Out: 1363.561+/-0.227 χ^2 /NDF: 575226.6/24

Right Out: 1696.634+/-0.319 χ^2 /NDF: 1183462.6/30

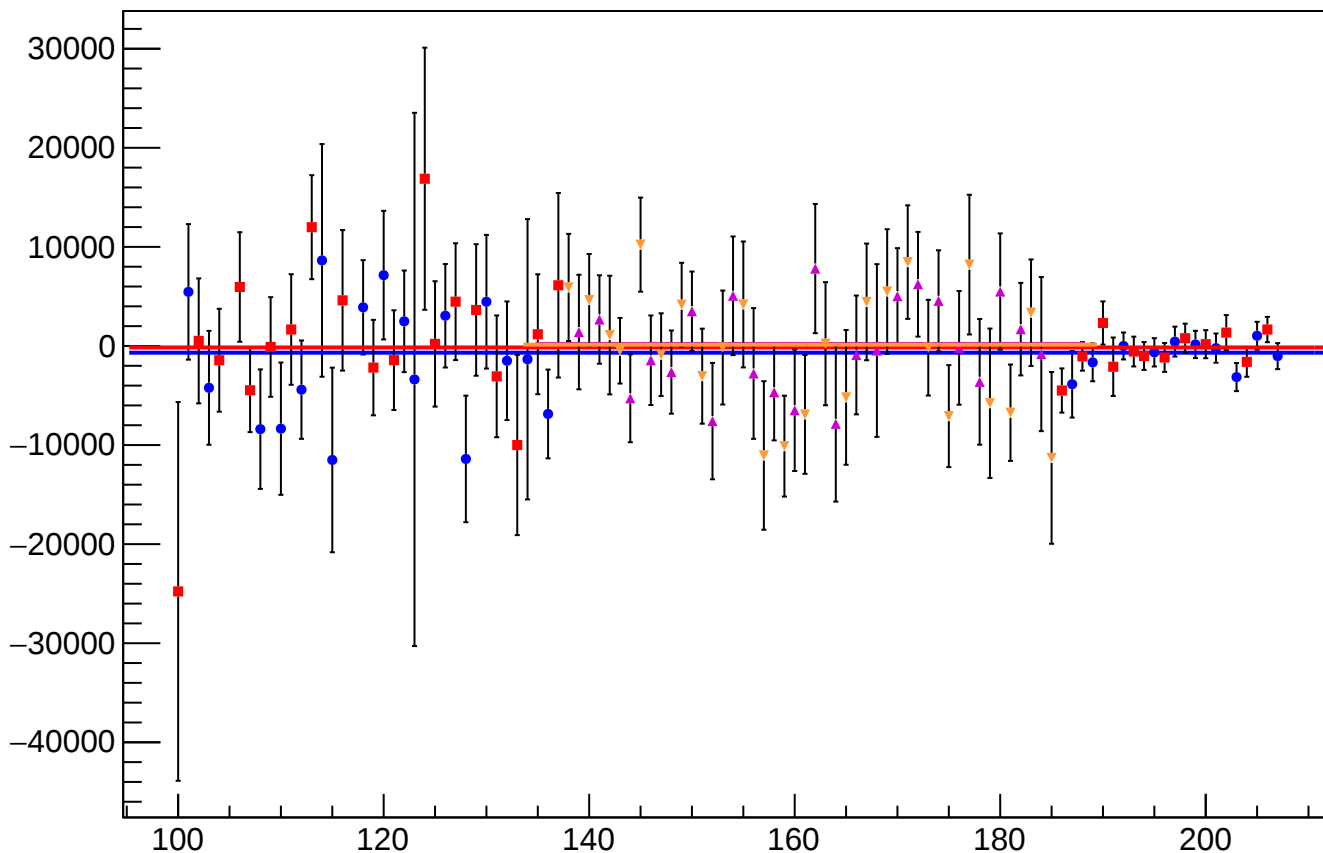
Left In: 1350.909+/-0.229 χ^2 /NDF: 67144.5/22

+ sign 1465.612+/-0.186 χ^2 /NDF: 2169580.4/51

All: 1467.240+/-0.132 χ^2 /NDF: 4195539.1/10

- sign 1468.867+/-0.186 χ^2 /NDF: 2025805.8/53

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -677.104 ± 454.644 χ^2/NDF : 22.3/26

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -151.179 ± 435.109 χ^2/NDF : 25.6/30

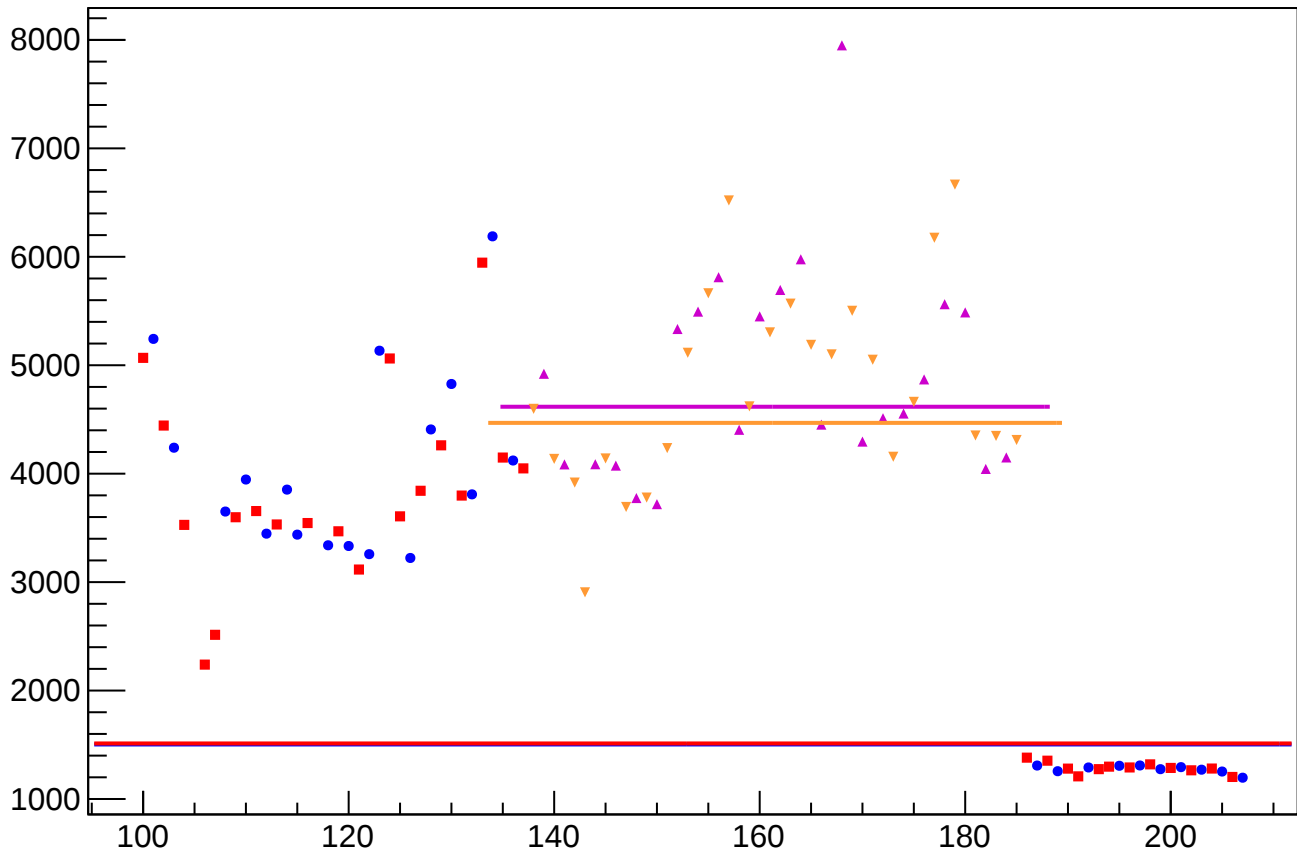
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -552.468 ± 418.170 χ^2/NDF : 50.9/51

All: -322.169 ± 291.198 χ^2/NDF : 91.9/105

- sign -105.354 ± 405.743 χ^2/NDF : 40.4/53

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1502.838 ± 0.321 $\chi^2/\text{NDF}: 5571495.5/26$

Left Out: 4468.520 ± 0.753 $\chi^2/\text{NDF}: 1380601.0/24$

Right Out: 1512.238 ± 0.307 $\chi^2/\text{NDF}: 5397317.8/30$

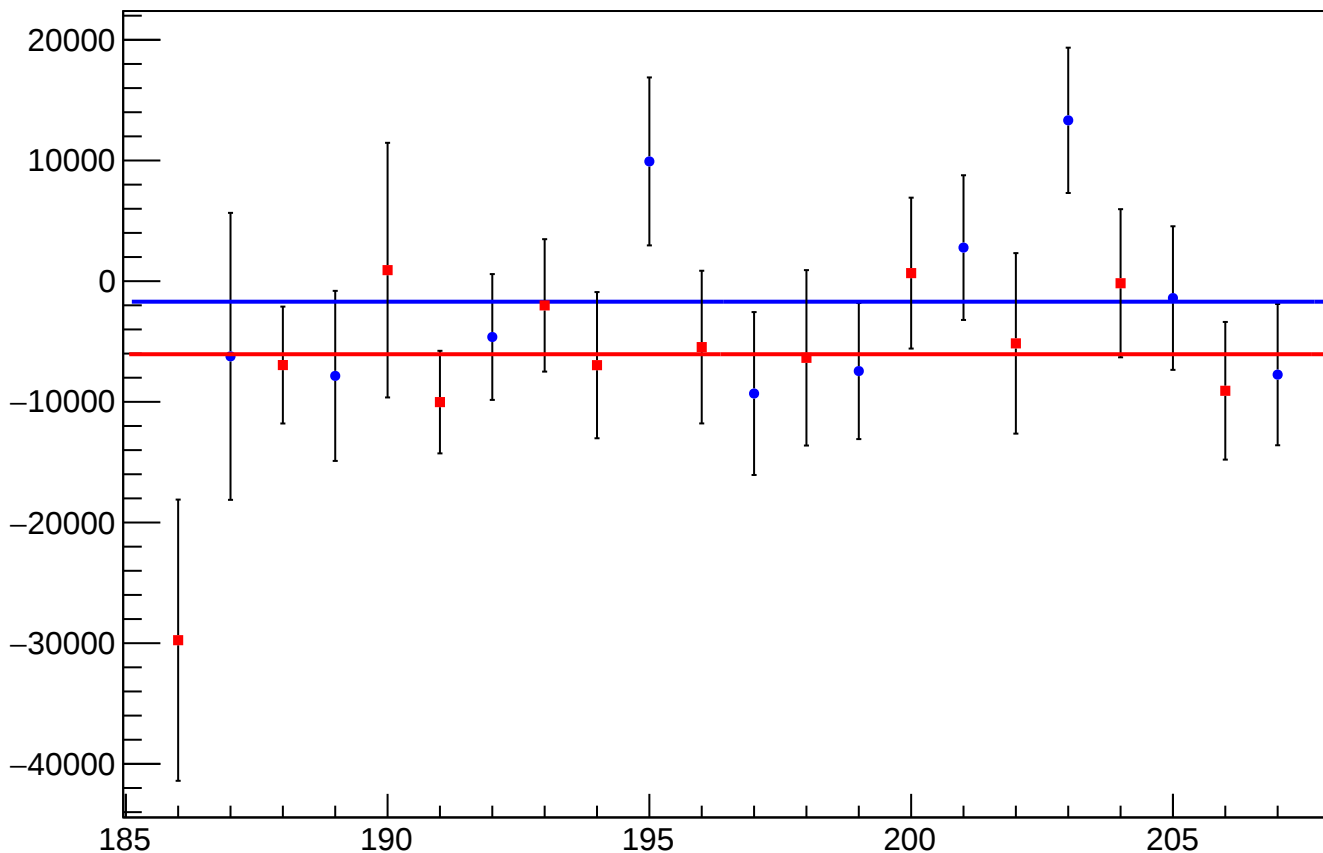
Left In: 4617.293 ± 0.794 $\chi^2/\text{NDF}: 999599.8/22$

+ sign 1959.596 ± 0.296 $\chi^2/\text{NDF}: 20059002.5/51$

All: 1937.414 ± 0.206 $\chi^2/\text{NDF}: 39754070.3/100$

- sign 1916.565 ± 0.287 $\chi^2/\text{NDF}: 19684150.6/53$

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -1700.683+/-1996.387 χ^2 /NDF: 14.2/9

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

Right Out: -6053.642+/-1769.234 χ^2 /NDF: 8.4/11

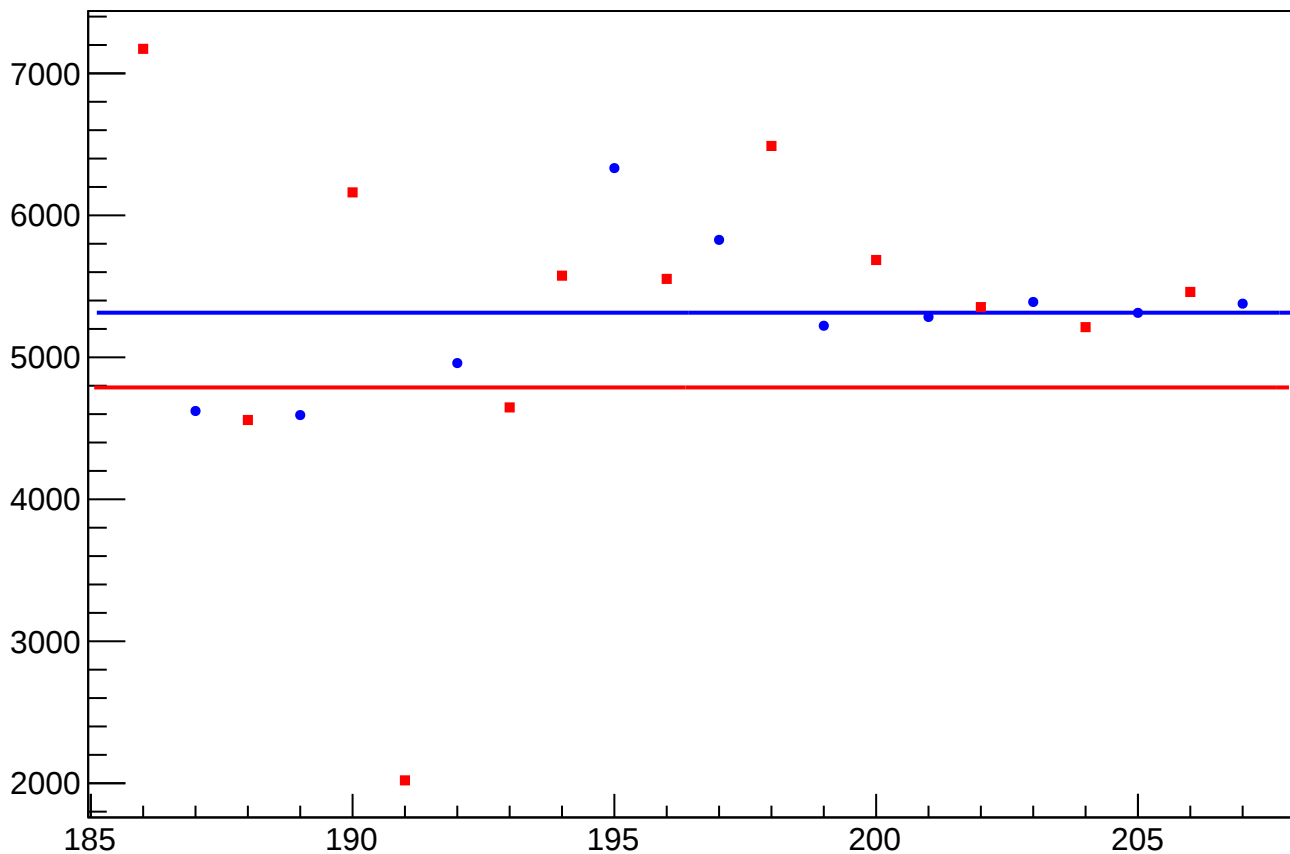
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -4138.793+/-1324.097 χ^2 /NDF: 25.3/21

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5314.421+/-1.412 χ^2/NDF : 92499.5/9

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

Right Out: 4787.976+/-1.251 χ^2/NDF : 1234325.6/11

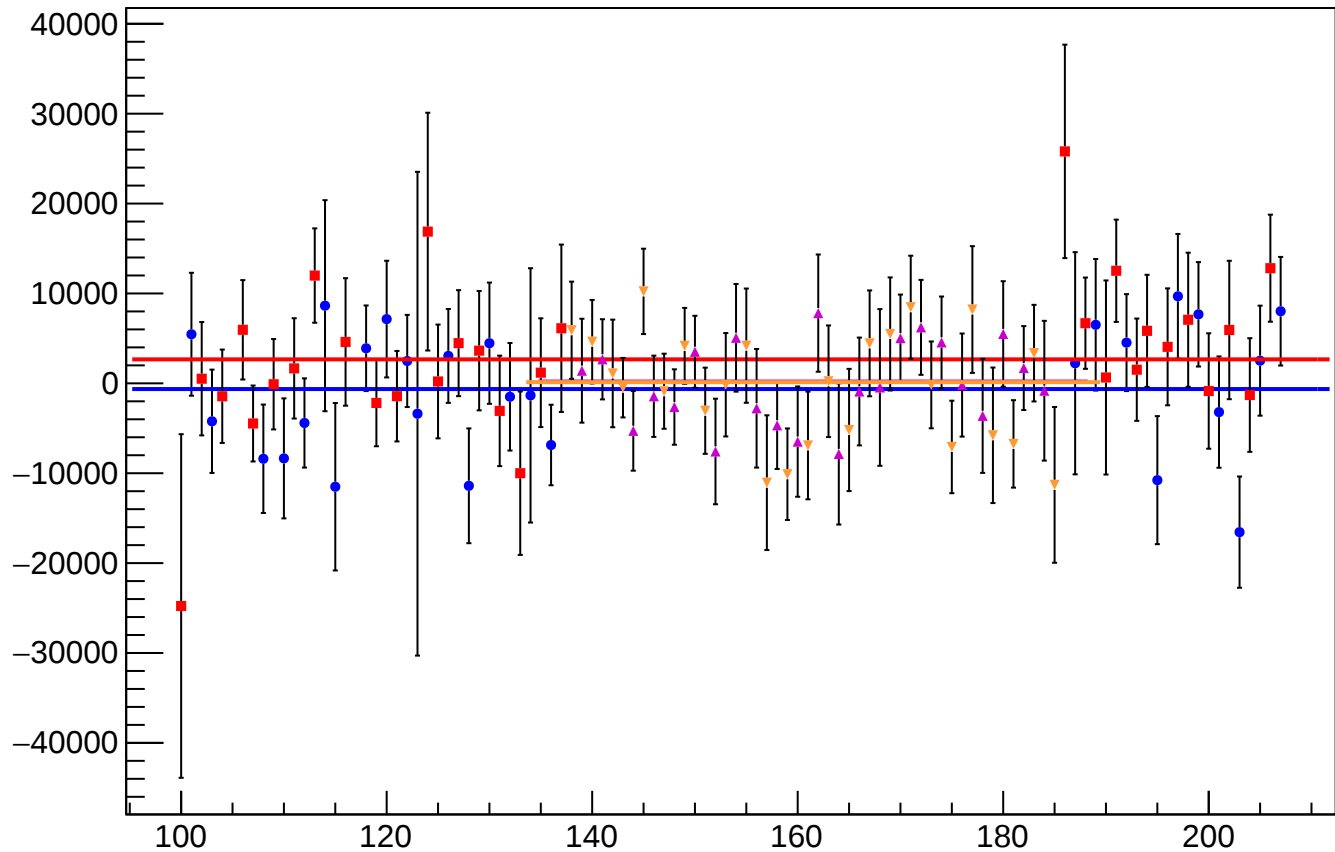
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 5019.557+/-0.936 χ^2/NDF : 1404721.1/21

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -635.964 ± 1221.504 χ^2/NDF : 32.7/26

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: 2668.379 ± 1116.899 χ^2/NDF : 27.6/30

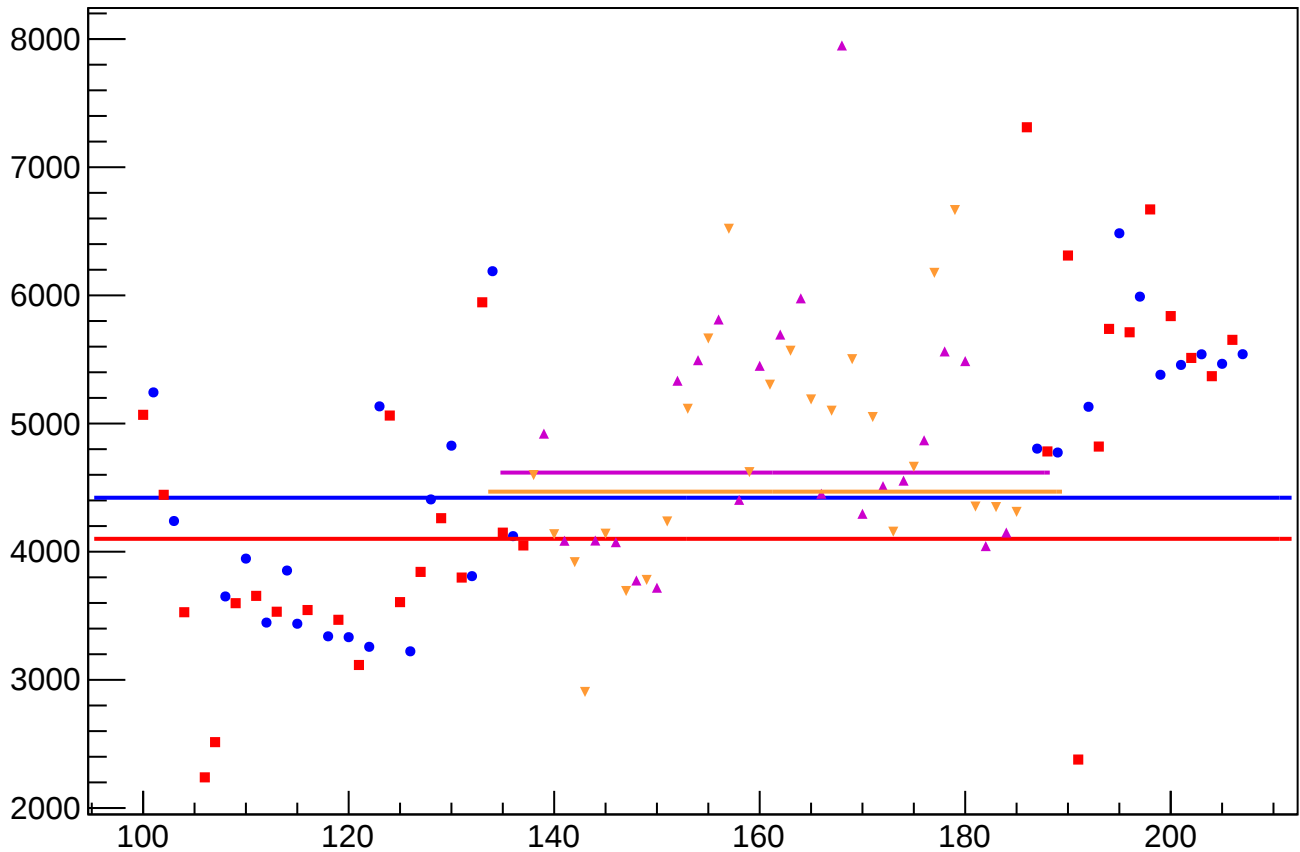
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -199.774 ± 802.968 χ^2/NDF : 61.0/51

All: 632.082 ± 563.899 χ^2/NDF : 107.9/105

- sign 1441.552 ± 792.090 χ^2/NDF : 44.8/53

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4421.160+/-0.864 χ^2/NDF : 1229479.3/26

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 4100.458+/-0.785 χ^2/NDF : 2315879.5/30

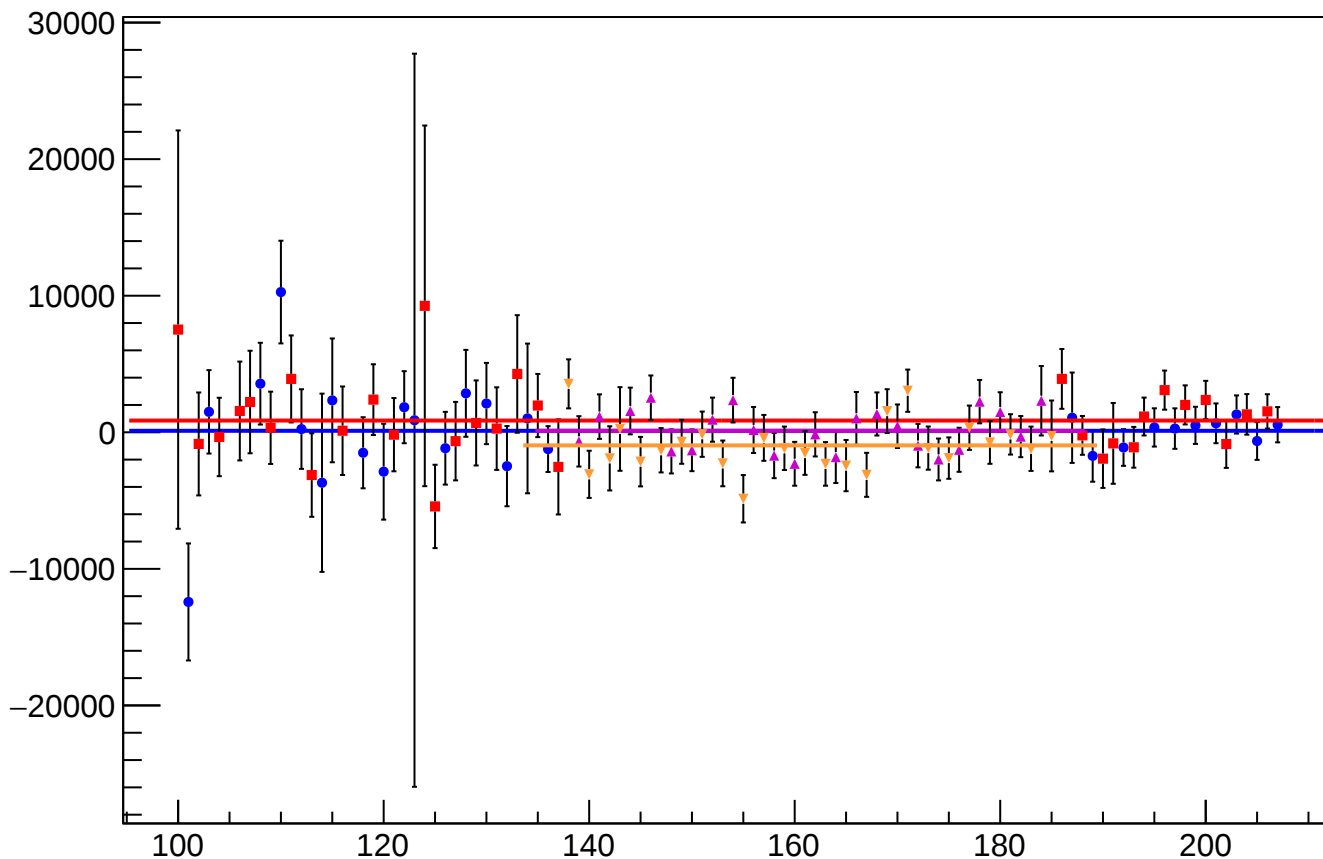
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 4448.054+/-0.568 χ^2/NDF : 2611787.7/51

All: 4401.156+/-0.398 χ^2/NDF : 6154831.1/10

- sign 4355.796+/-0.558 χ^2/NDF : 3529622.0/53

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 109.213 $\pm$ 398.325 χ^2 /NDF: 25.7/26

Left Out: -958.410 $\pm$ 339.496 χ^2 /NDF: 28.5/24

Right Out: 859.862 $\pm$ 384.909 χ^2 /NDF: 22.6/30

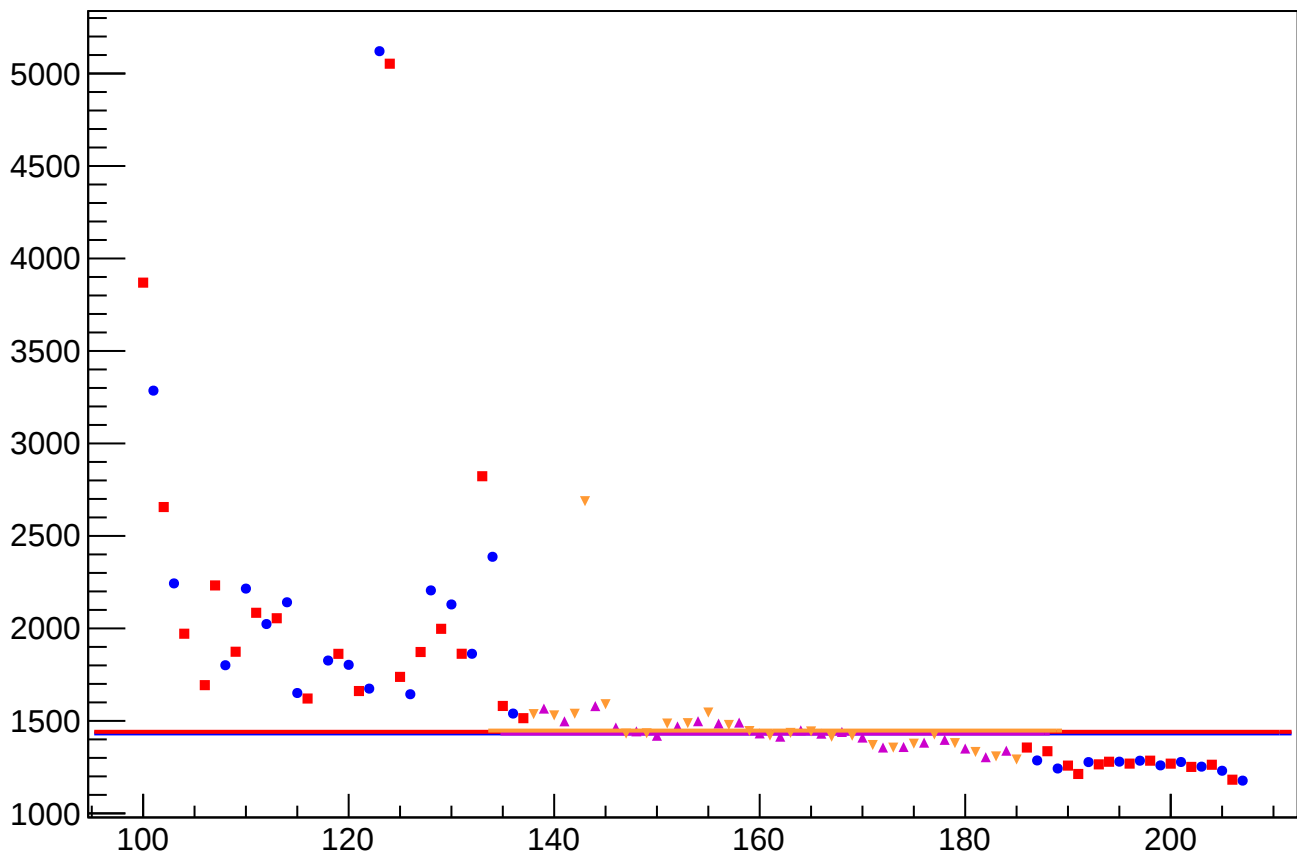
Left In: 107.512 $\pm$ 343.663 χ^2 /NDF: 19.5/22

+ sign -509.185 $\pm$ 258.381 χ^2 /NDF: 58.3/51

All: -30.233 $\pm$ 181.982 χ^2 /NDF: 109.3/105

- sign 441.230 $\pm$ 256.353 χ^2 /NDF: 44.2/53

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1432.278+/-0.282 χ^2/NDF : 1520935.5/26

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1441.066+/-0.272 χ^2/NDF : 1565215.5/30

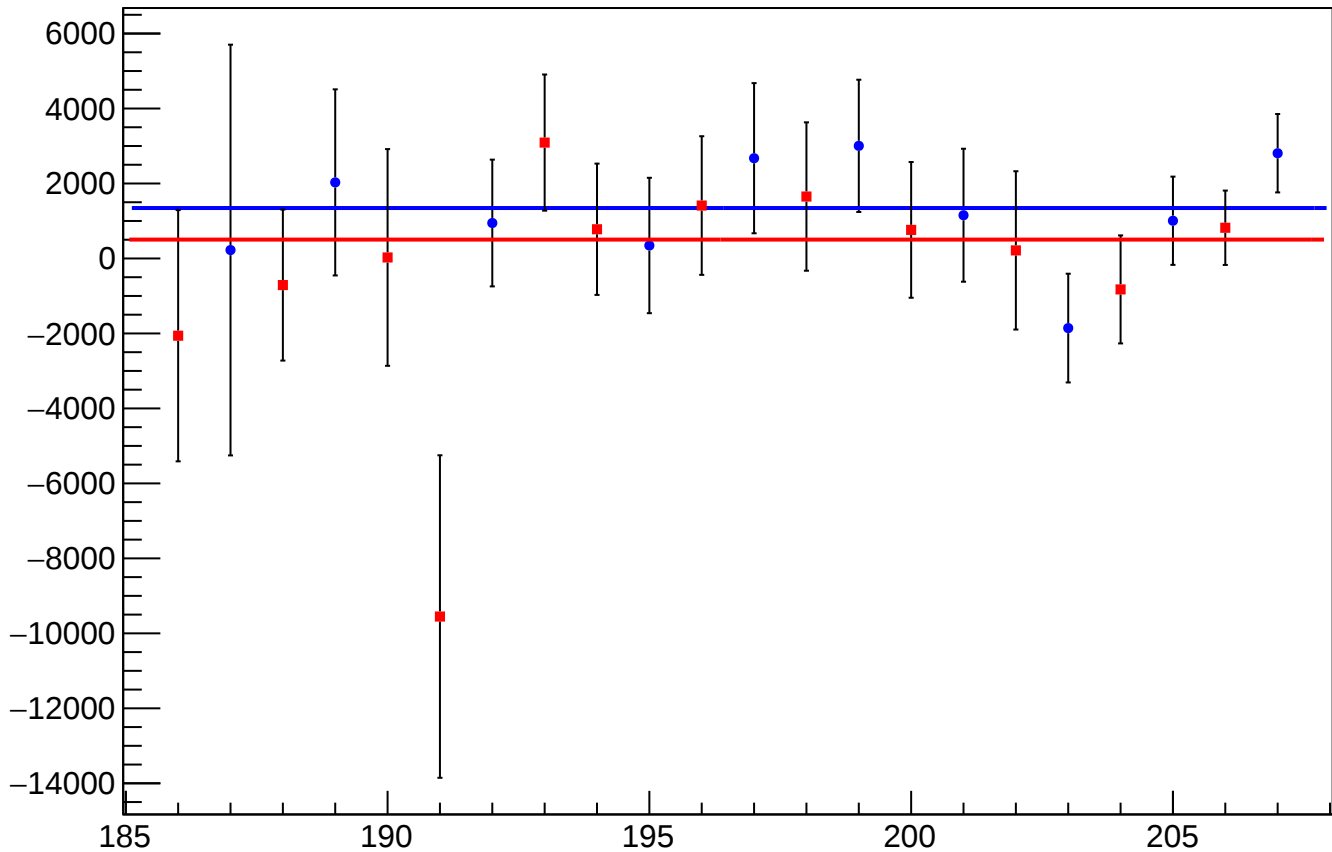
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1441.127+/-0.183 χ^2/NDF : 1941894.1/51

All: 1438.401+/-0.129 χ^2/NDF : 3583375.4/10

- sign 1435.719+/-0.181 χ^2/NDF : 1641039.7/53

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1345.655+/-509.473 χ^2/NDF : 8.7/9

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

Right Out: 503.770+/-518.877 χ^2/NDF : 10.1/11

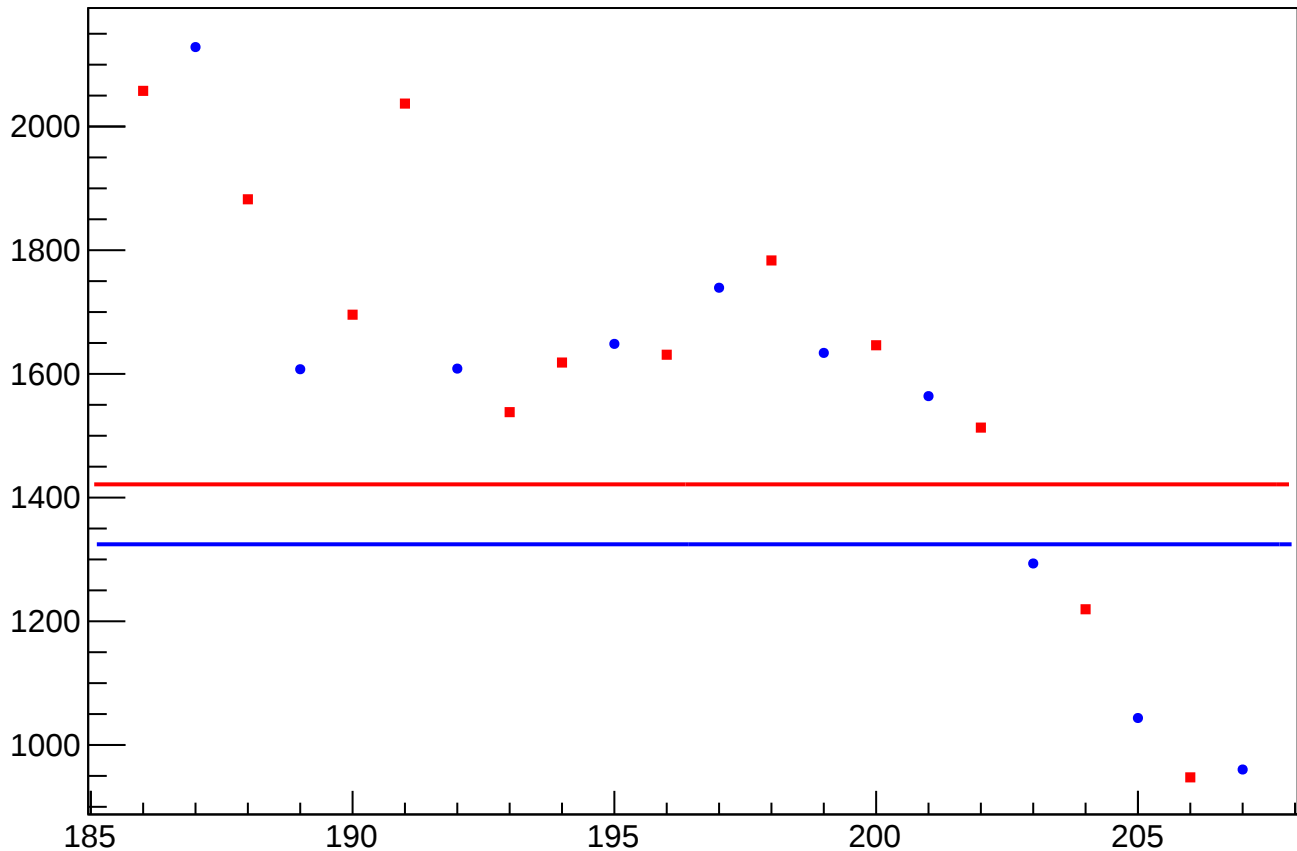
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 932.410+/-363.531 χ^2/NDF : 20.1/21

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1324.492+/-0.360 χ^2/NDF : 731200.5/9

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

Right Out: 1421.407+/-0.367 χ^2/NDF : 892334.8/11

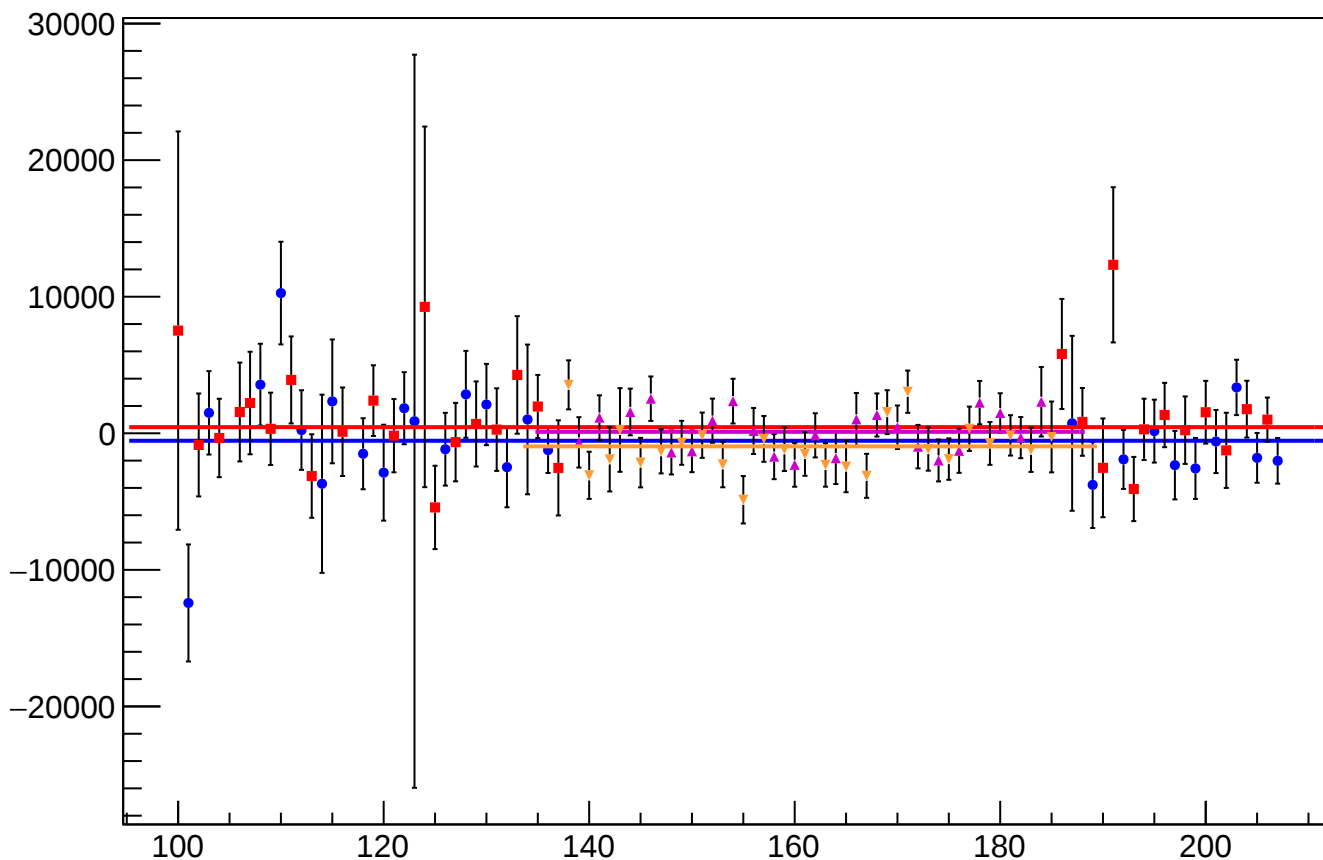
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1372.063+/-0.257 χ^2/NDF : 1659059.5/21

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -546.936+/-517.024 χ^2/NDF : 30.9/26

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 450.852+/-510.631 χ^2/NDF : 22.0/30

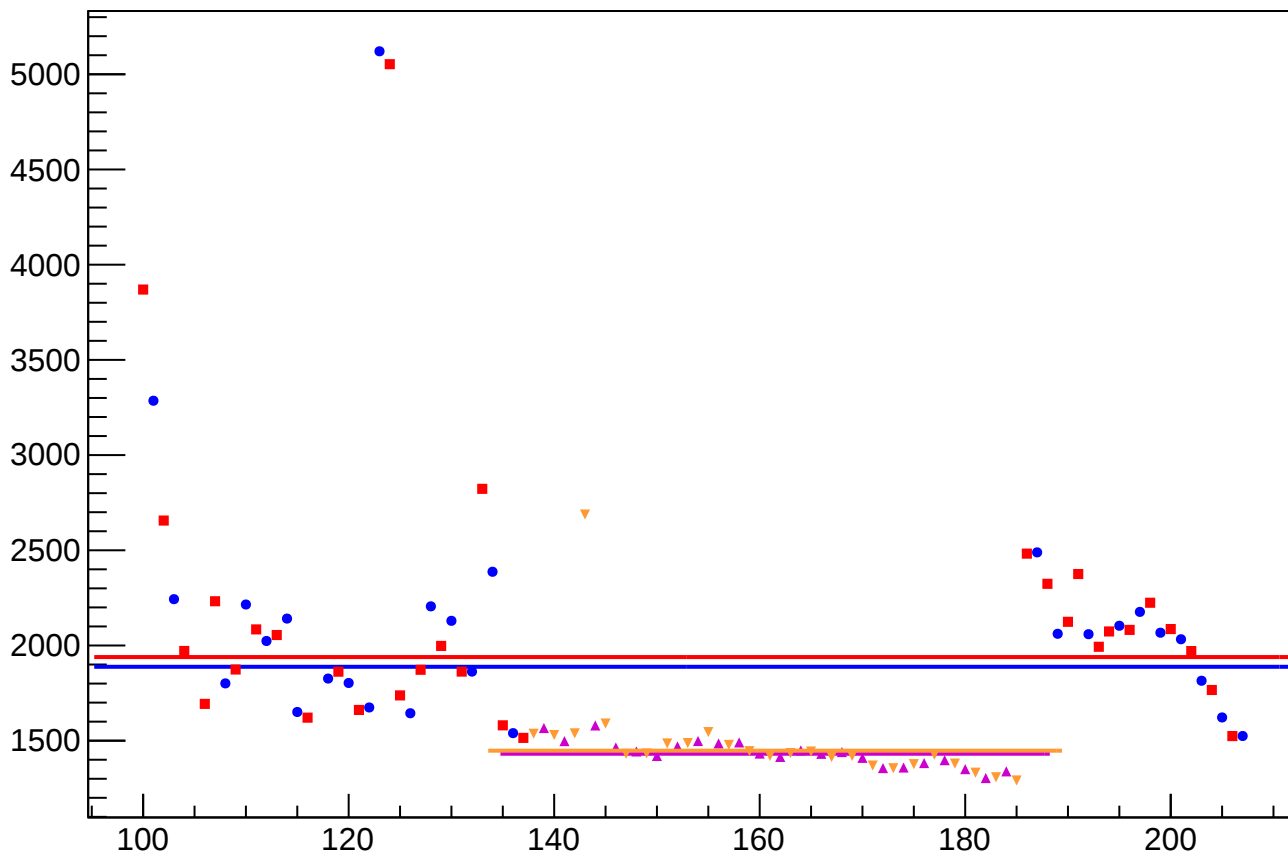
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -834.445+/-283.785 χ^2/NDF : 59.9/51

All: -312.386+/-201.132 χ^2/NDF : 108.5/105

- sign 214.547+/-285.106 χ^2/NDF : 41.8/53

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1888.144+/-0.366 χ^2/NDF : 707260.5/26

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1939.291+/-0.361 χ^2/NDF : 762465.5/30

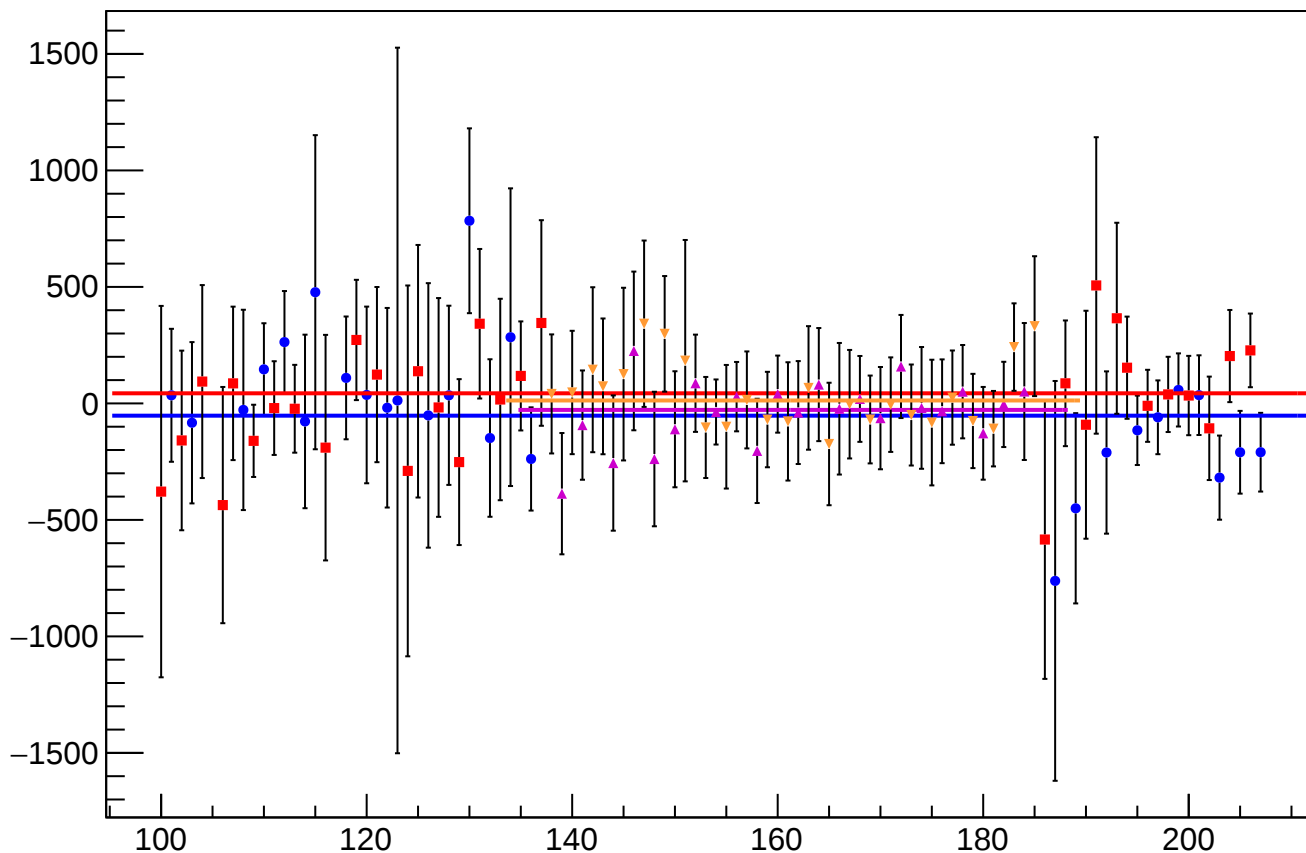
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1580.292+/-0.201 χ^2/NDF : 2141333.3/51

All: 1585.011+/-0.142 χ^2/NDF : 4341536.8/10

- sign 1589.773+/-0.202 χ^2/NDF : 2199092.5/53

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -52.658 $\pm$ 48.245 χ^2 /NDF: 16.4/26

Left Out: 12.618 $\pm$ 47.486 χ^2 /NDF: 7.7/24

Right Out: 43.358 $\pm$ 46.908 χ^2 /NDF: 12.0/30

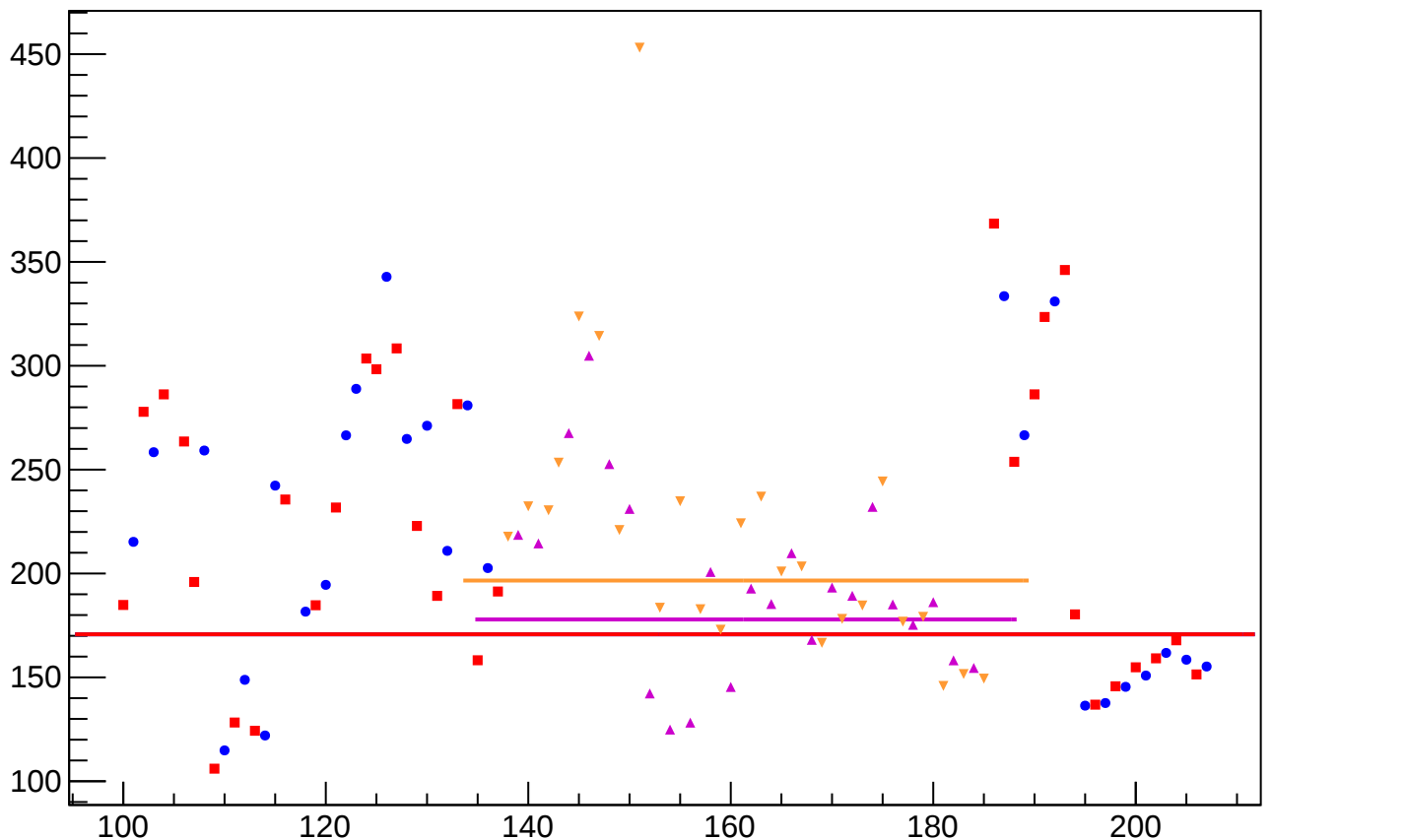
Left In: -27.921 $\pm$ 44.523 χ^2 /NDF: 6.5/22

+ sign -19.502 $\pm$ 33.843 χ^2 /NDF: 25.0/51

All: -6.227 $\pm$ 23.363 χ^2 /NDF: 45.1/105

- sign 5.860 $\pm$ 32.293 χ^2 /NDF: 19.8/53

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.723+/-0.034 χ^2/NDF : 2091458.5/26

Left Out: 196.620+/-0.034 χ^2/NDF : 1793507.9/24

Right Out: 170.734+/-0.033 χ^2/NDF : 2773915.4/30

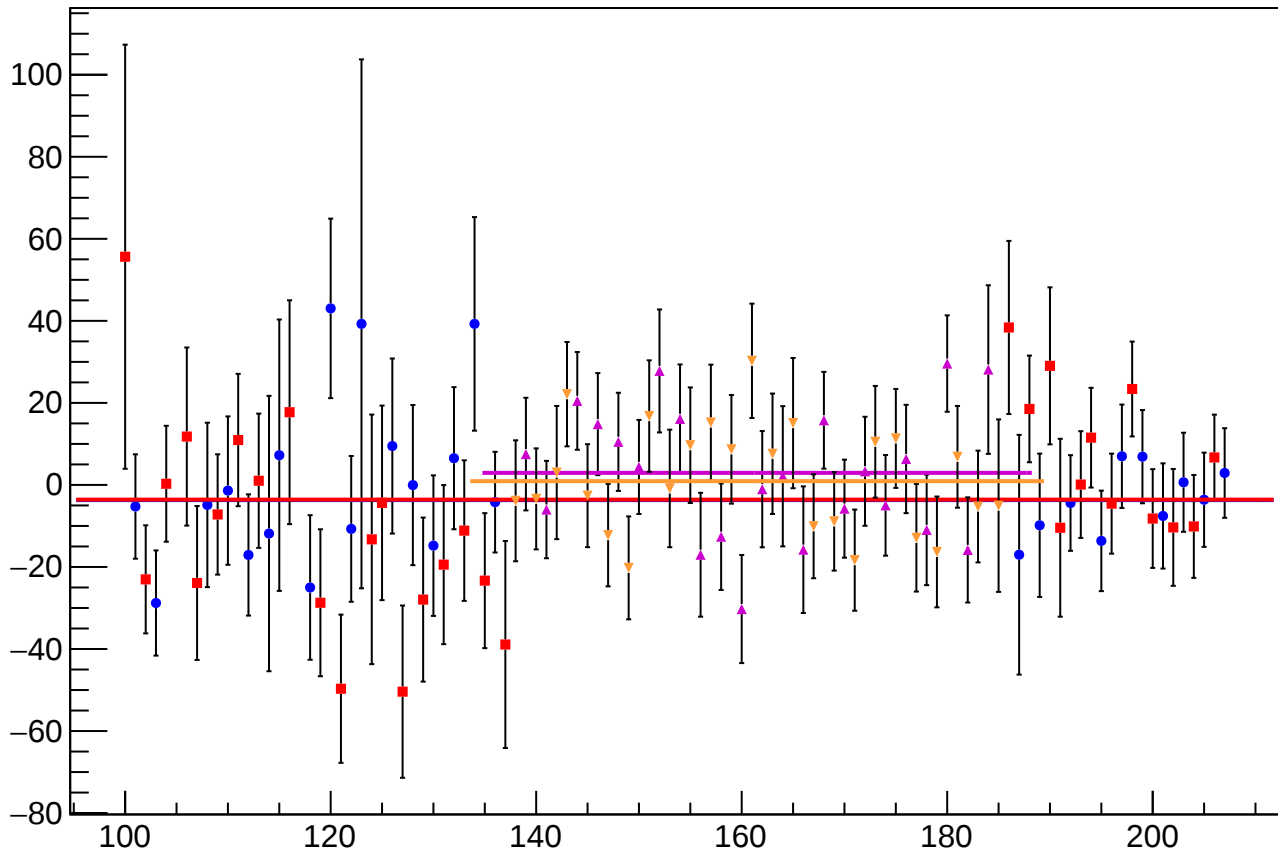
Left In: 177.878+/-0.031 χ^2/NDF : 1644086.7/22

+ sign 183.877+/-0.024 χ^2/NDF : 4177652.6/51

All: 178.965+/-0.017 χ^2/NDF : 8700550.1/105

- sign 174.492+/-0.023 χ^2/NDF : 4442400.9/53

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.699 ± 2.962 $\chi^2/\text{NDF}: 18.6/26$

Left Out: 0.920 ± 2.696 $\chi^2/\text{NDF}: 24.0/24$

Right Out: -3.579 ± 2.862 $\chi^2/\text{NDF}: 44.6/30$

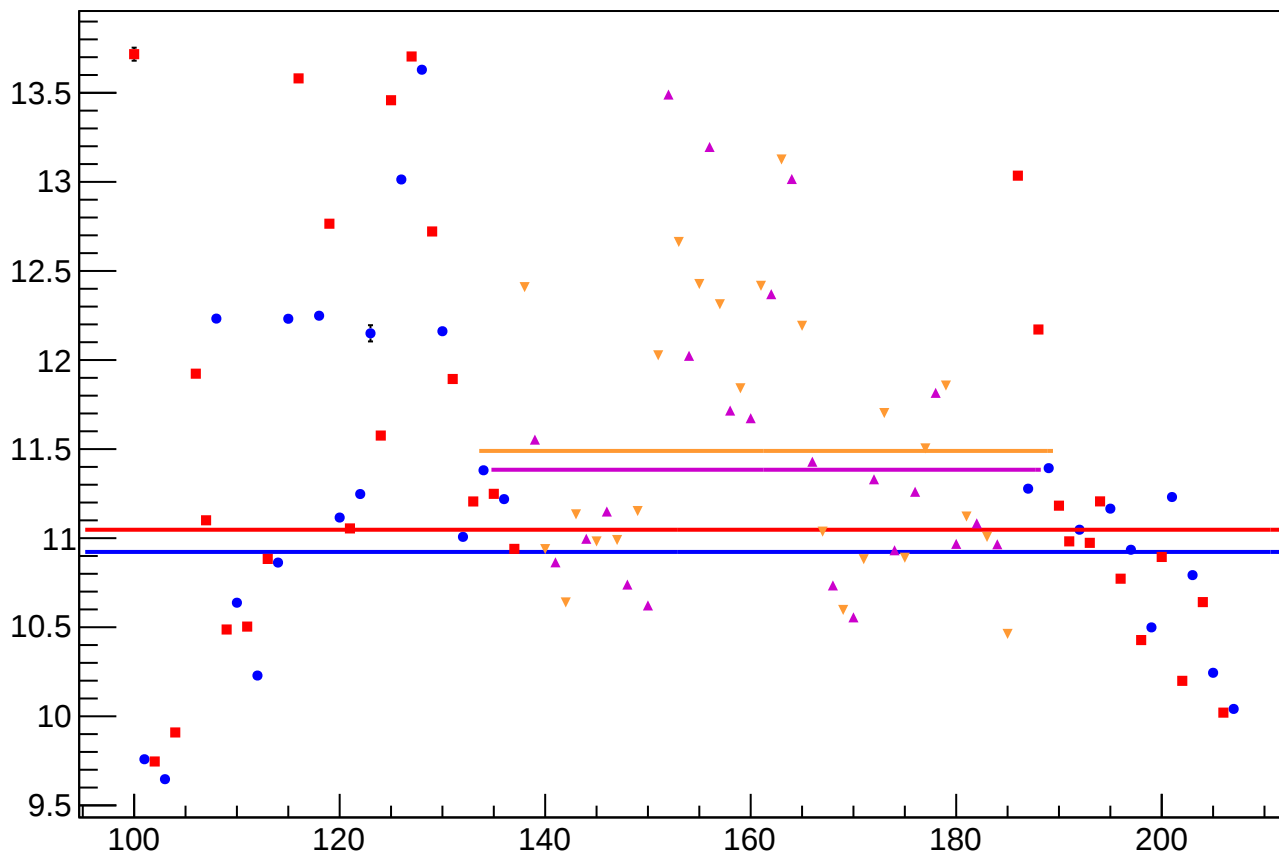
Left In: 2.941 ± 2.745 $\chi^2/\text{NDF}: 31.0/22$

+ sign -1.173 ± 1.994 $\chi^2/\text{NDF}: 43.9/51$

All: -0.674 ± 1.405 $\chi^2/\text{NDF}: 122.4/105$

- sign -0.182 ± 1.981 $\chi^2/\text{NDF}: 78.4/53$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.923+/-0.002 χ^2 /NDF: 162869.1/26

Left Out: 11.490+/-0.002 χ^2 /NDF:132399.1/24

Right Out: 11.047+/-0.002 χ^2 /NDF: 222500.8/30

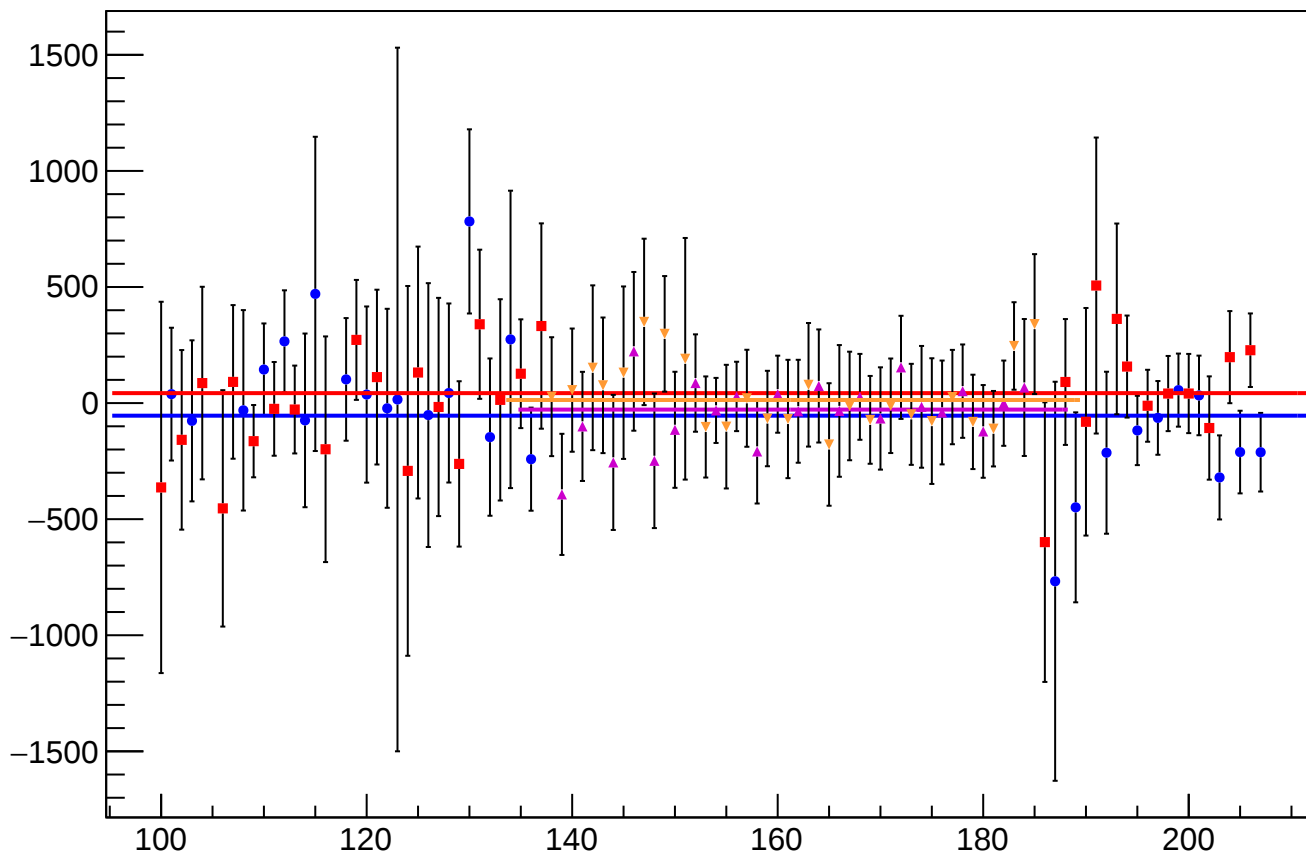
Left In: 11.384+/-0.002 χ^2 /NDF:149799.6/22

+ sign 11.233+/-0.001 χ^2 /NDF: 335354.9/51

All: 11.228+/-0.001 χ^2 /NDF: 722107.1/105

- sign 11.223+/-0.001 χ^2 /NDF: 386726.5/53

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -54.273 ± 48.369 χ^2/NDF : 16.4/26

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 42.881 ± 47.035 χ^2/NDF : 12.2/30

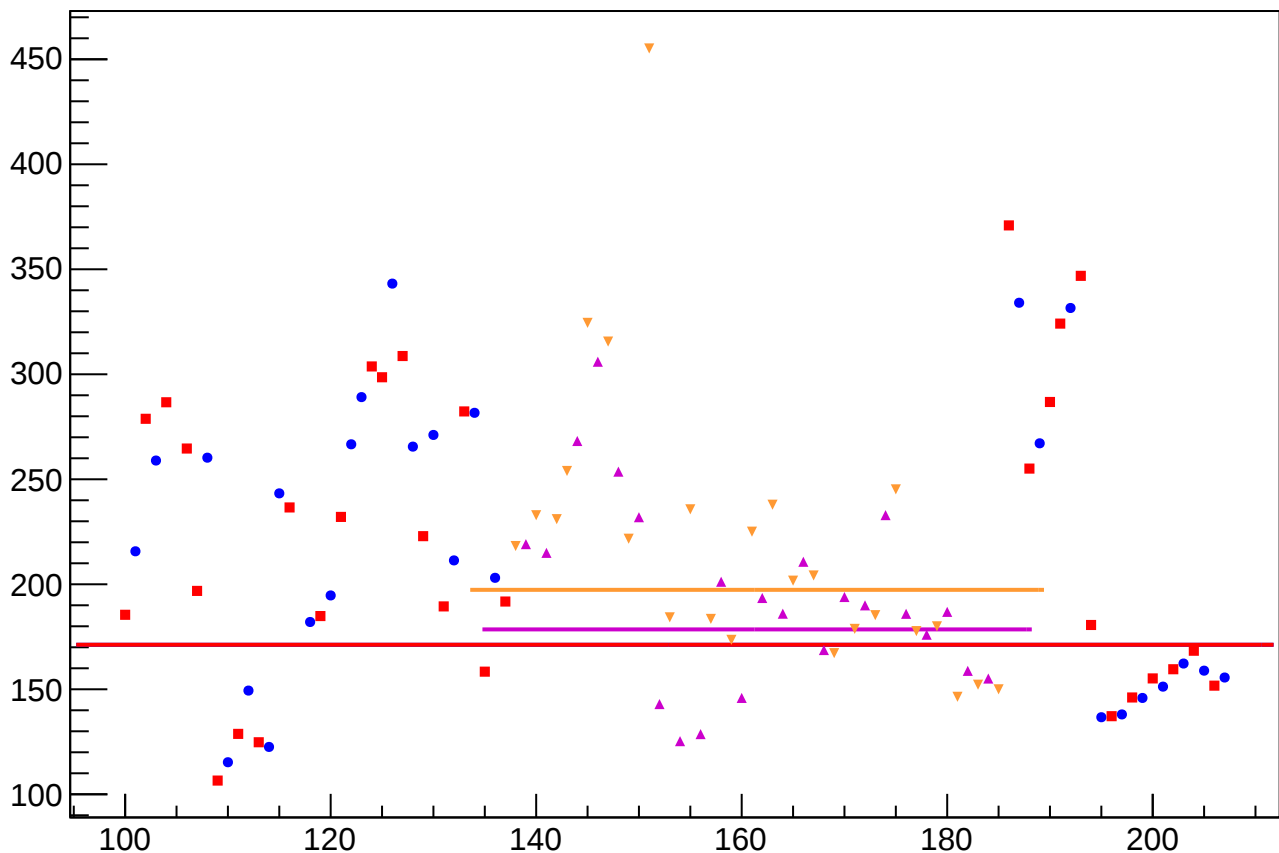
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign -19.977 ± 33.949 χ^2/NDF : 25.2/51

All: -6.591 ± 23.437 χ^2/NDF : 45.5/105

- sign 5.597 ± 32.395 χ^2/NDF : 20.0/53

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 171.180 $\pm$ 0.034 χ^2 /NDF: 2086289.9/26

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF:1790824.5/24

Right Out: 171.207 $\pm$ 0.033 χ^2 /NDF: 2770280.3/30

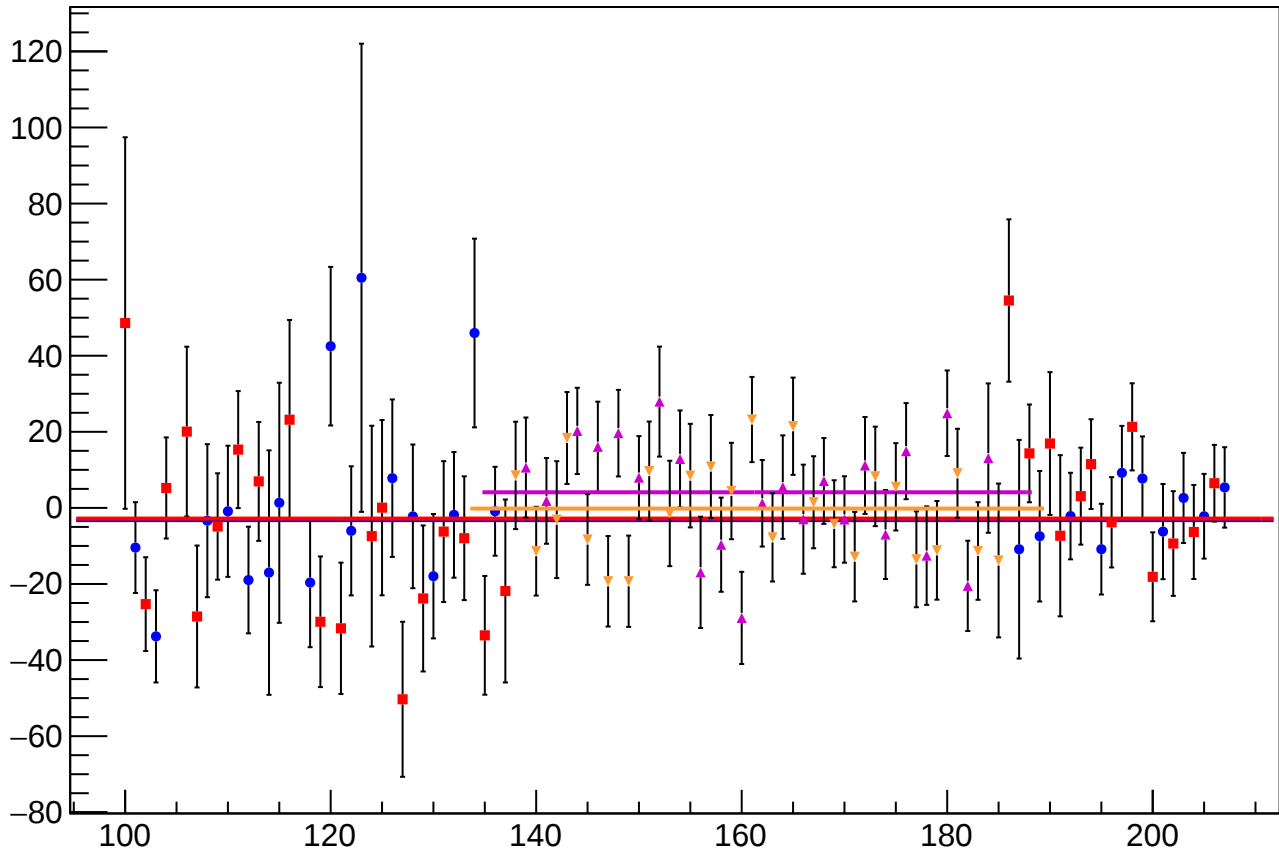
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

+ sign 184.460 $\pm$ 0.024 χ^2 /NDF: 4174283.3/51

All: 179.533 $\pm$ 0.017 χ^2 /NDF: 8692708.6/105

- sign 175.047 $\pm$ 0.023 χ^2 /NDF: 4437943.0/53

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -3.216 ± 2.859 χ^2/NDF : 23.6/26

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -2.809 ± 2.770 χ^2/NDF : 46.3/30

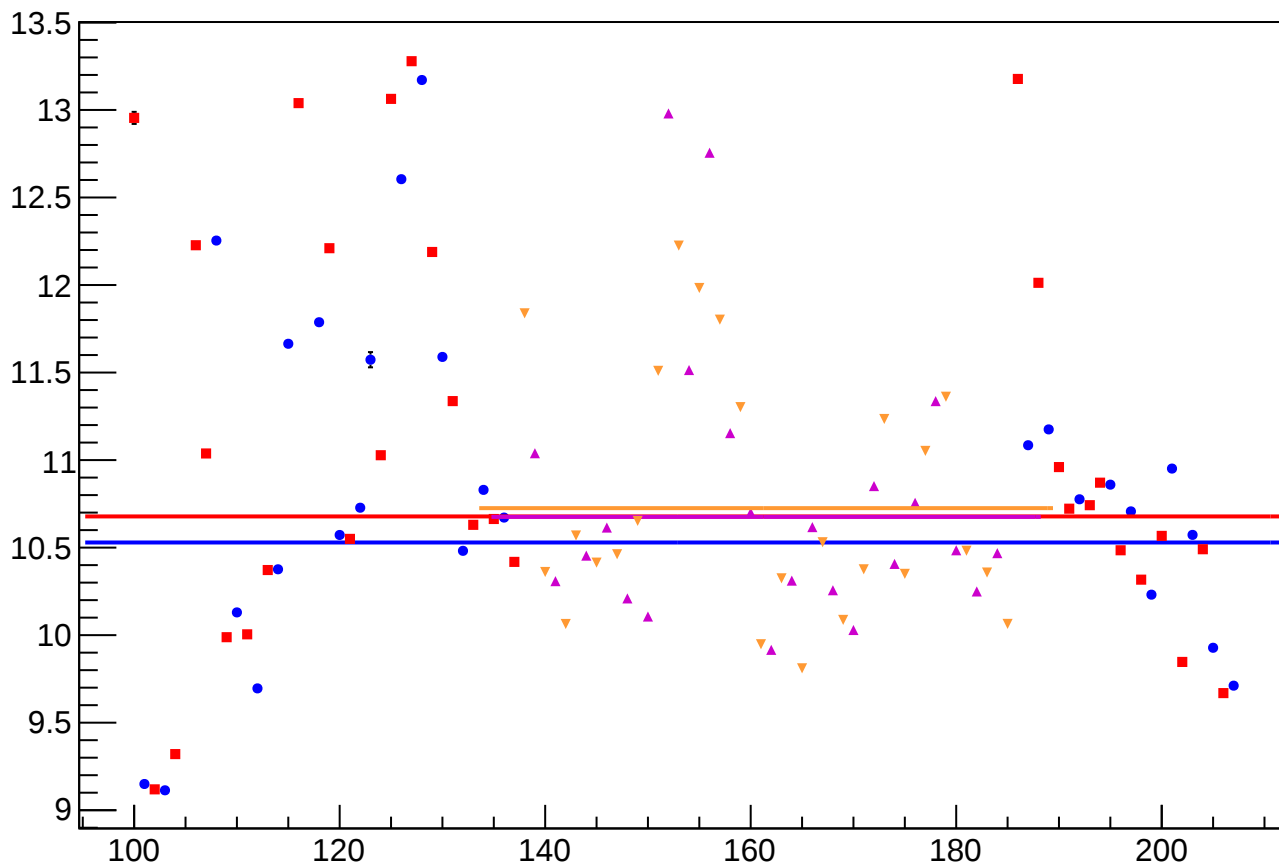
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -1.502 ± 1.891 χ^2/NDF : 48.6/51

All: -0.300 ± 1.336 χ^2/NDF : 130.6/105

- sign 0.899 ± 1.887 χ^2/NDF : 81.2/53

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.529 $\pm$ 0.002 χ^2 /NDF: 187647.1/26

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.678 $\pm$ 0.002 χ^2 /NDF: 259329.6/30

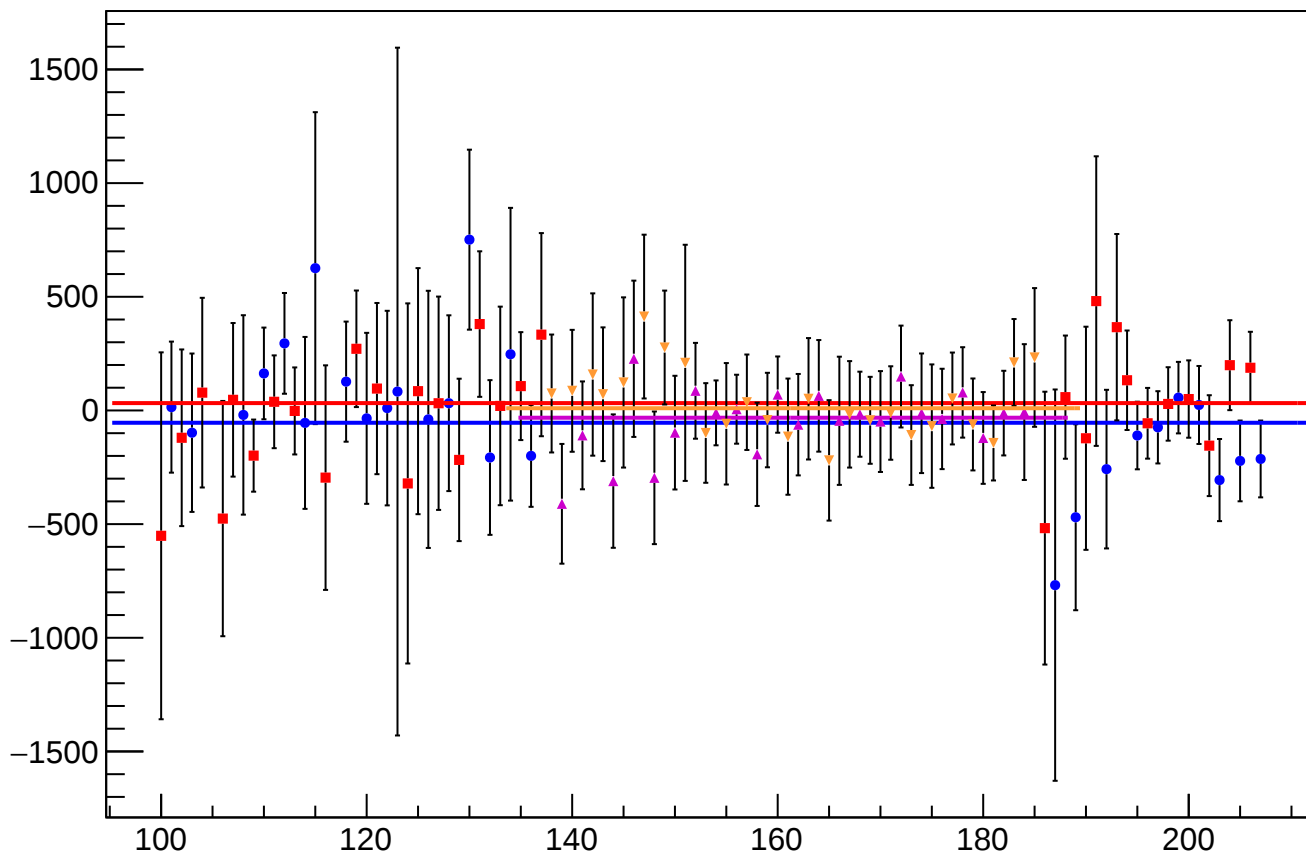
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.640 $\pm$ 0.001 χ^2 /NDF: 325117.2/51

All: 10.658 $\pm$ 0.001 χ^2 /NDF: 730770.0/105

- sign 10.677 $\pm$ 0.001 χ^2 /NDF: 405268.8/53

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -54.160 $\pm$ 48.443 χ^2 /NDF: 16.9/26

Left Out: 9.801 $\pm$ 47.979 χ^2 /NDF: 7.5/24

Right Out: 32.367 $\pm$ 47.204 χ^2 /NDF: 12.6/30

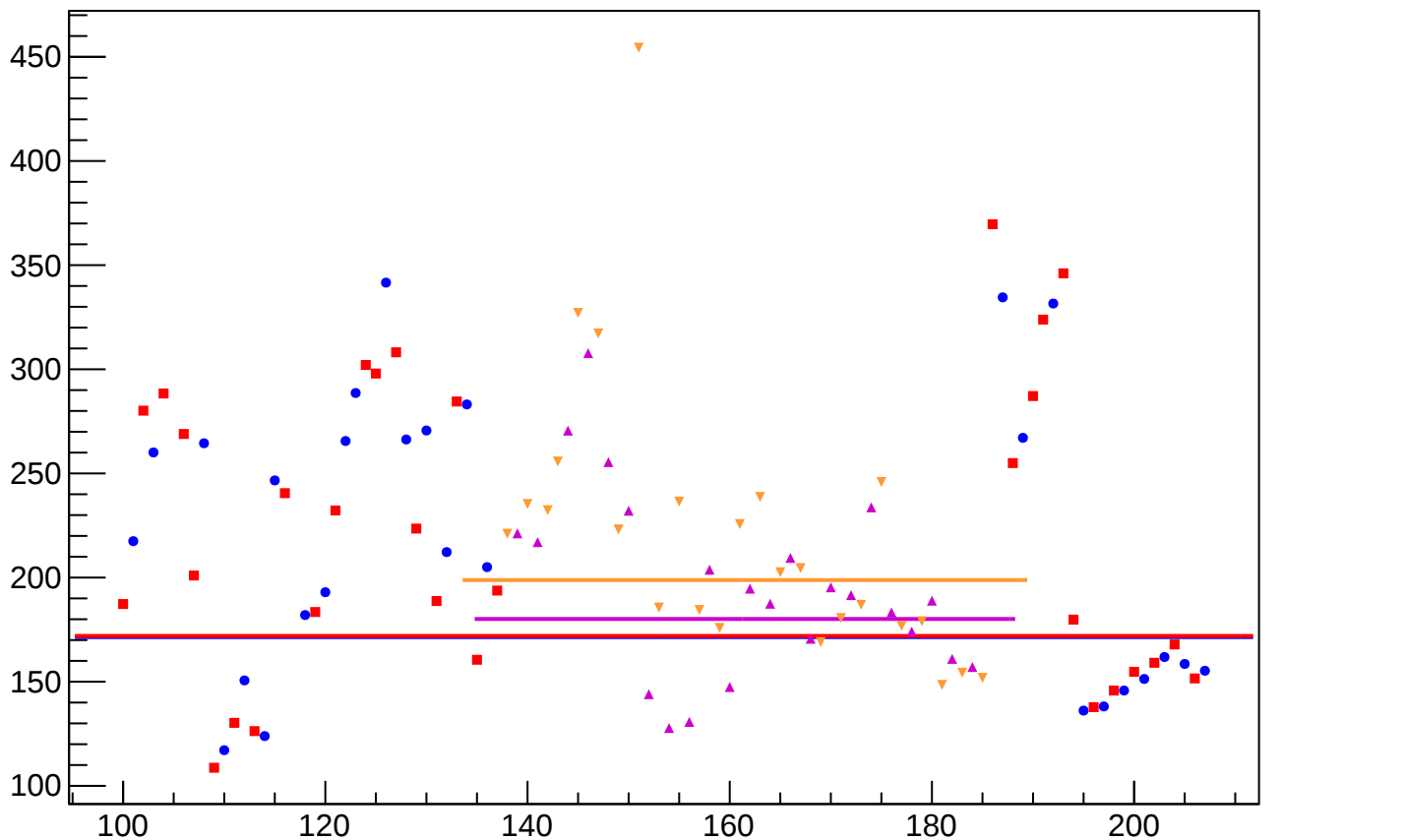
Left In: -31.989 $\pm$ 45.038 χ^2 /NDF: 7.2/22

+ sign -21.872 $\pm$ 34.089 χ^2 /NDF: 25.3/51

All: -11.133 $\pm$ 23.555 χ^2 /NDF: 46.3/105

- sign -1.321 $\pm$ 32.586 χ^2 /NDF: 20.8/53

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.435 $\pm$ 0.034 χ^2 /NDF: 2086490.6/26

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF:1763119.1/24

Right Out: 171.983 $\pm$ 0.033 χ^2 /NDF: 2728415.4/30

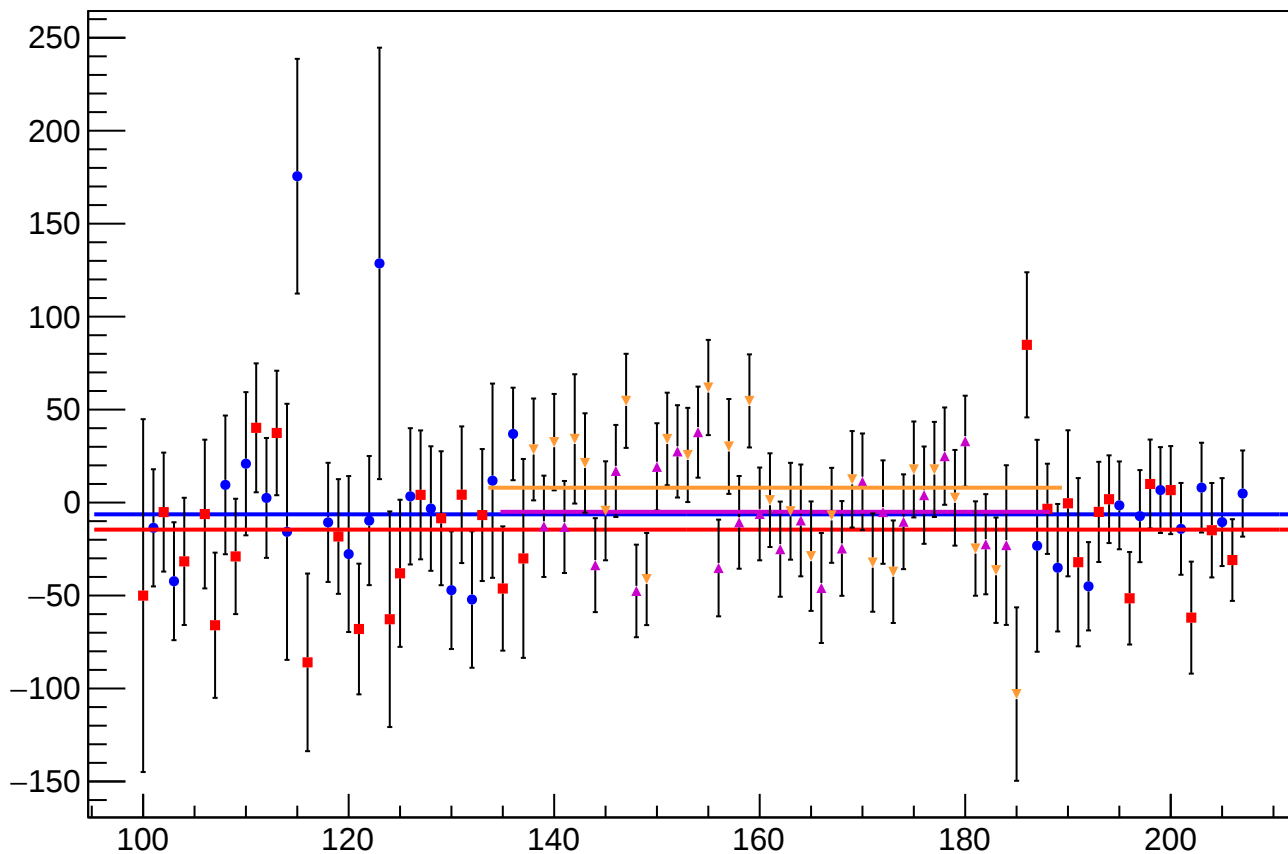
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

+ sign 185.249 $\pm$ 0.024 χ^2 /NDF: 4171784.7/51

All: 180.544 $\pm$ 0.017 χ^2 /NDF: 8598106.4/105

- sign 176.244 $\pm$ 0.023 χ^2 /NDF: 4353389.7/53

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.328 ± 5.991 χ^2/NDF : 23.0/26

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -14.554 ± 5.760 χ^2/NDF : 29.3/30

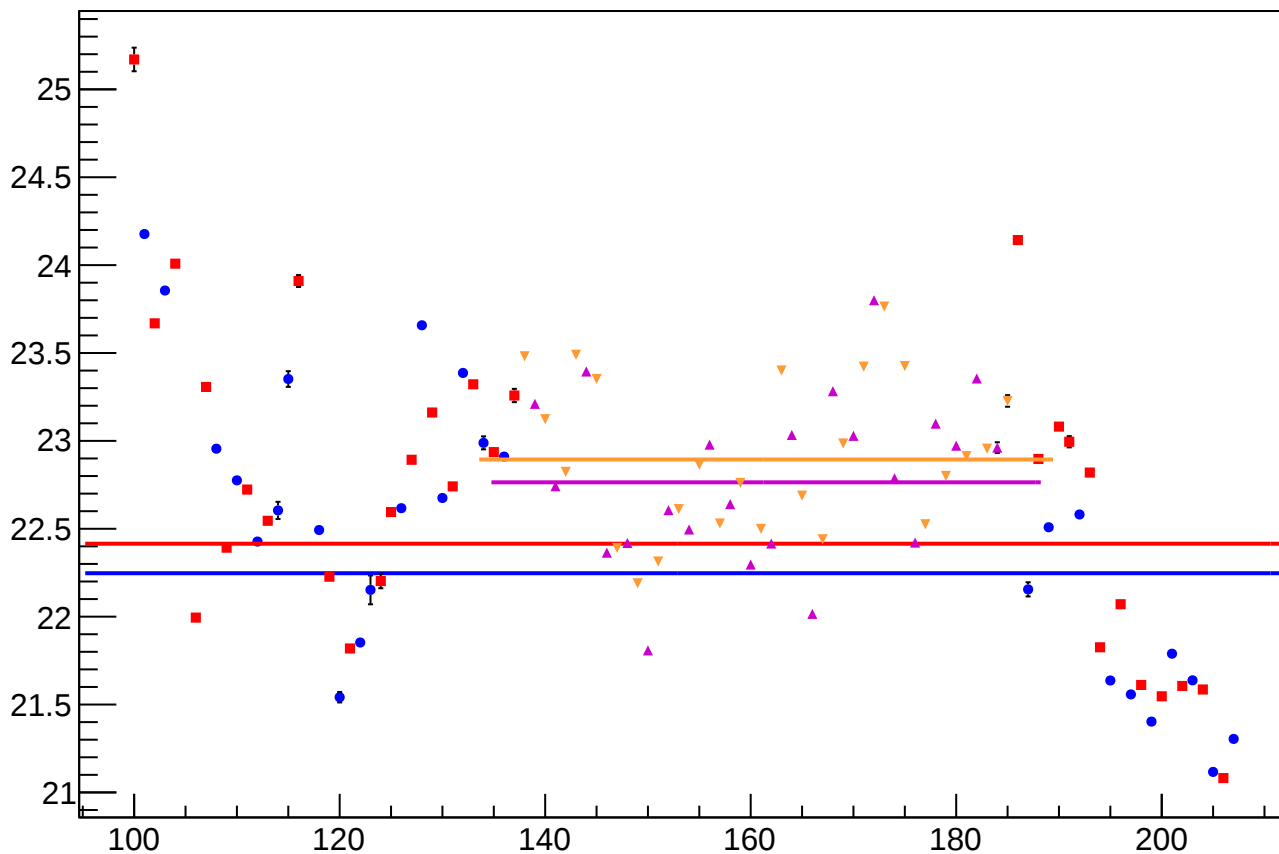
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 1.668 ± 3.981 χ^2/NDF : 63.6/51

All: -3.947 ± 2.806 χ^2/NDF : 118.8/105

- sign -9.494 ± 3.957 χ^2/NDF : 51.2/53

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.247+/-0.004 χ^2/NDF : 39216.1/26

Left Out: 22.894+/-0.004 χ^2/NDF : 13070.5/24

Right Out: 22.415+/-0.004 χ^2/NDF : 40497.1/30

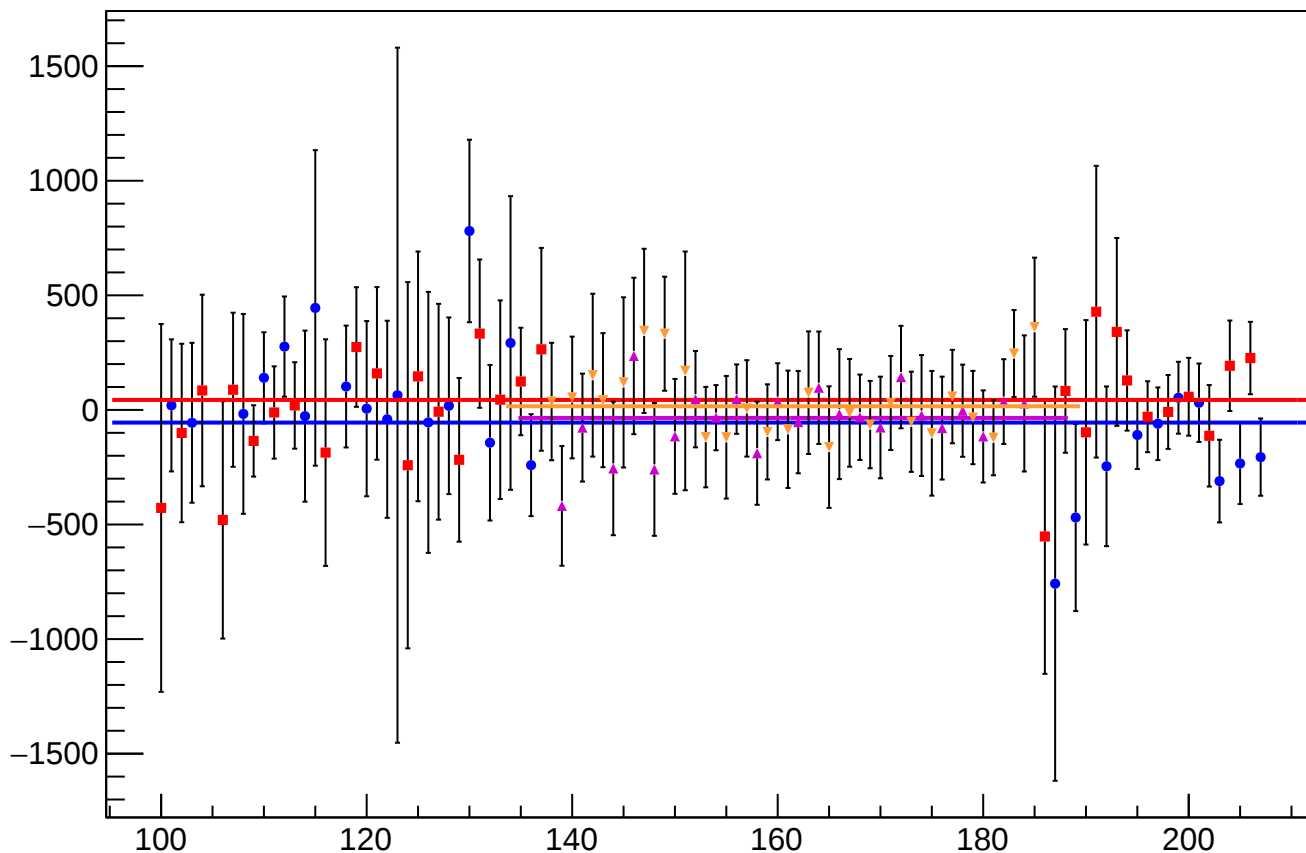
Left In: 22.764+/-0.004 χ^2/NDF : 14665.7/22

+ sign 22.608+/-0.003 χ^2/NDF : 65315.4/51

All: 22.604+/-0.002 χ^2/NDF : 124367.6/105

- sign 22.599+/-0.003 χ^2/NDF : 59047.1/53

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -55.278 ± 48.303 $\chi^2/\text{NDF}: 16.4/26$

Left Out: 15.904 ± 47.898 $\chi^2/\text{NDF}: 8.4/24$

Right Out: 43.557 ± 46.990 $\chi^2/\text{NDF}: 10.8/30$

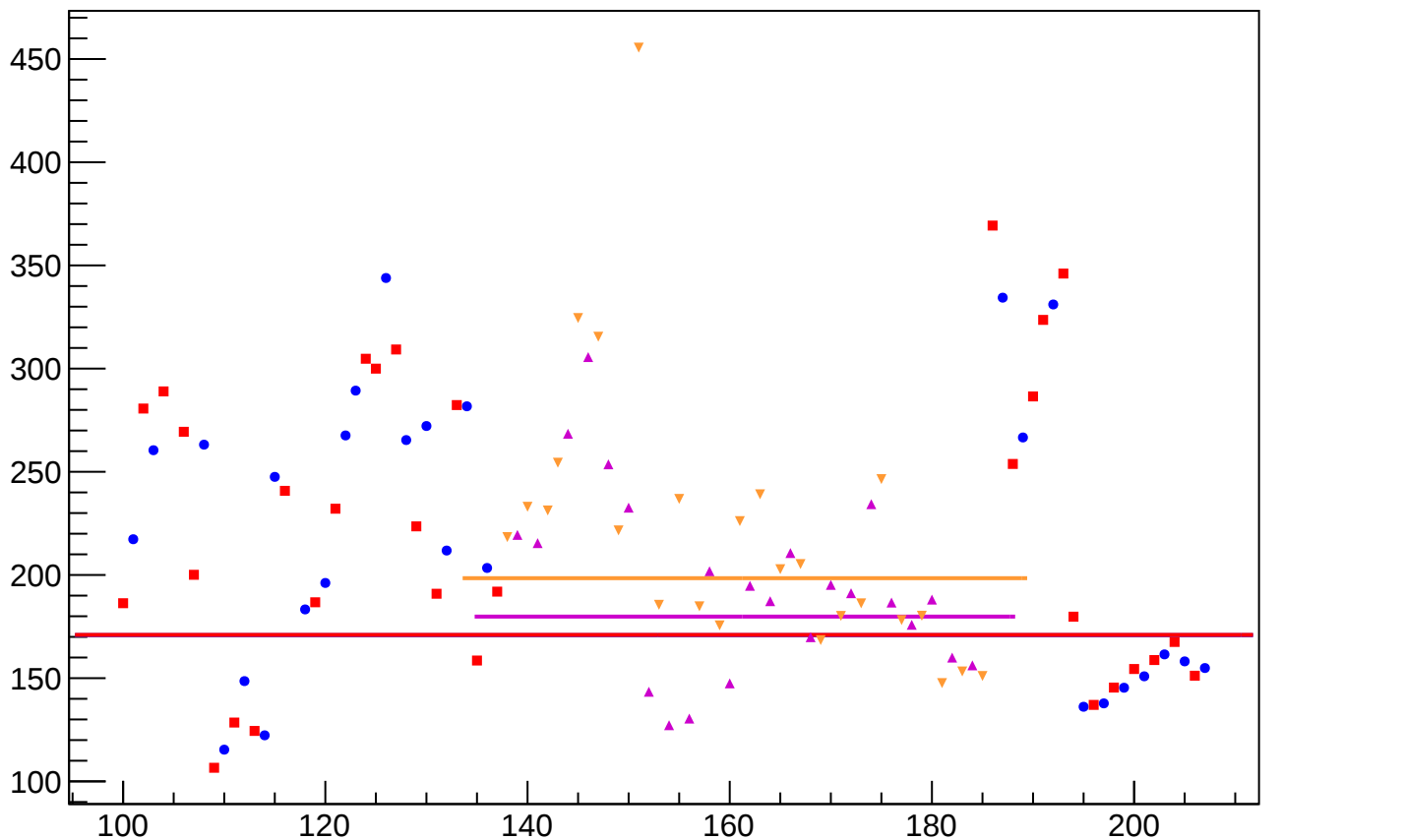
Left In: -34.919 ± 44.971 $\chi^2/\text{NDF}: 6.6/22$

+ sign -19.388 ± 34.011 $\chi^2/\text{NDF}: 26.0/51$

All: -7.892 ± 23.493 $\chi^2/\text{NDF}: 45.0/105$

- sign 2.597 ± 32.489 $\chi^2/\text{NDF}: 18.8/53$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.853+/-0.034 χ^2/NDF : 2116755.4/26

Left Out: 198.450+/-0.034 χ^2/NDF :1761433.9/24

Right Out: 170.974+/-0.033 χ^2/NDF : 2797861.8/30

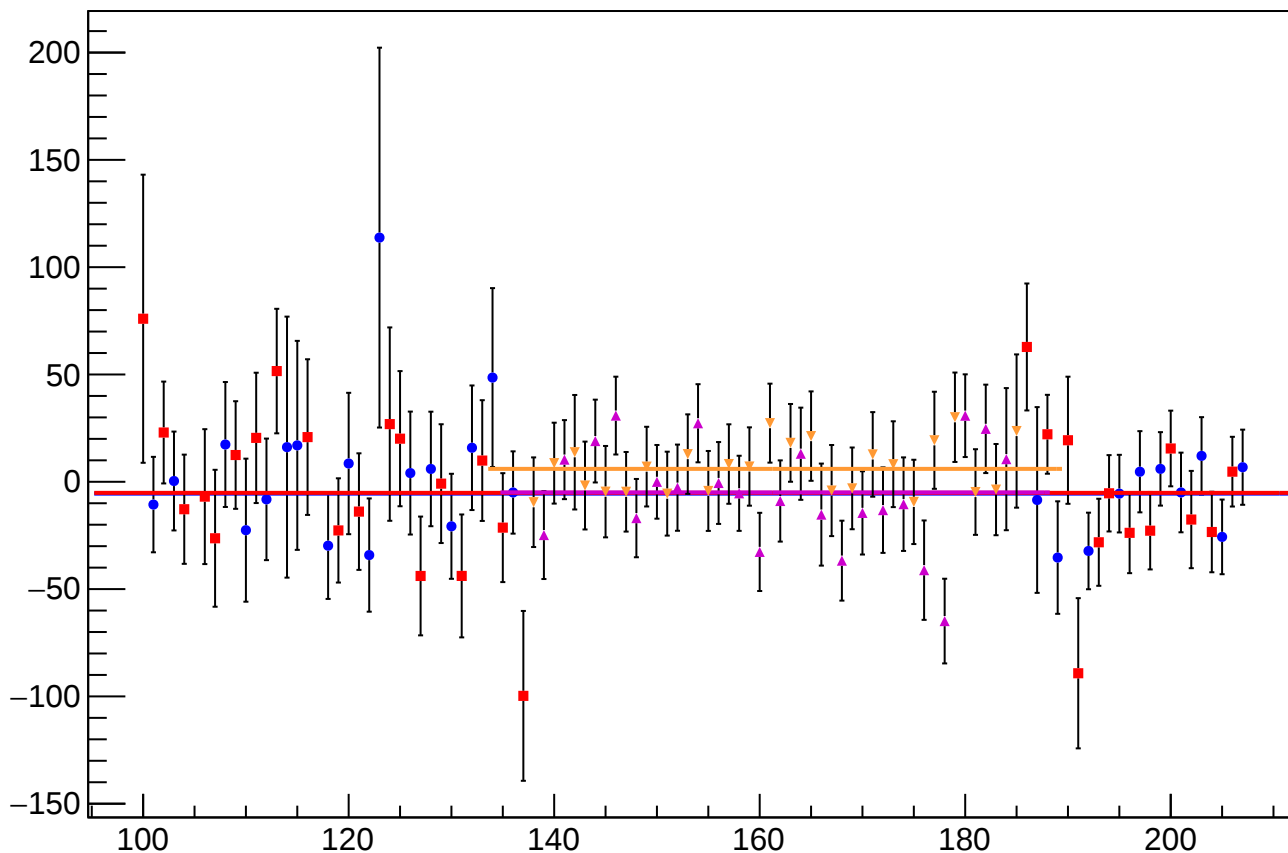
Left In: 179.839+/-0.032 χ^2/NDF :1588834.3/22

+ sign 184.768+/-0.024 χ^2/NDF : 4207342.5/51

All: 179.975+/-0.017 χ^2/NDF : 8707160.6/109

- sign 175.601+/-0.023 χ^2/NDF : 4423854.0/53

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.506 ± 4.576 χ^2/NDF : 15.5/26

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -5.160 ± 4.413 χ^2/NDF : 41.1/30

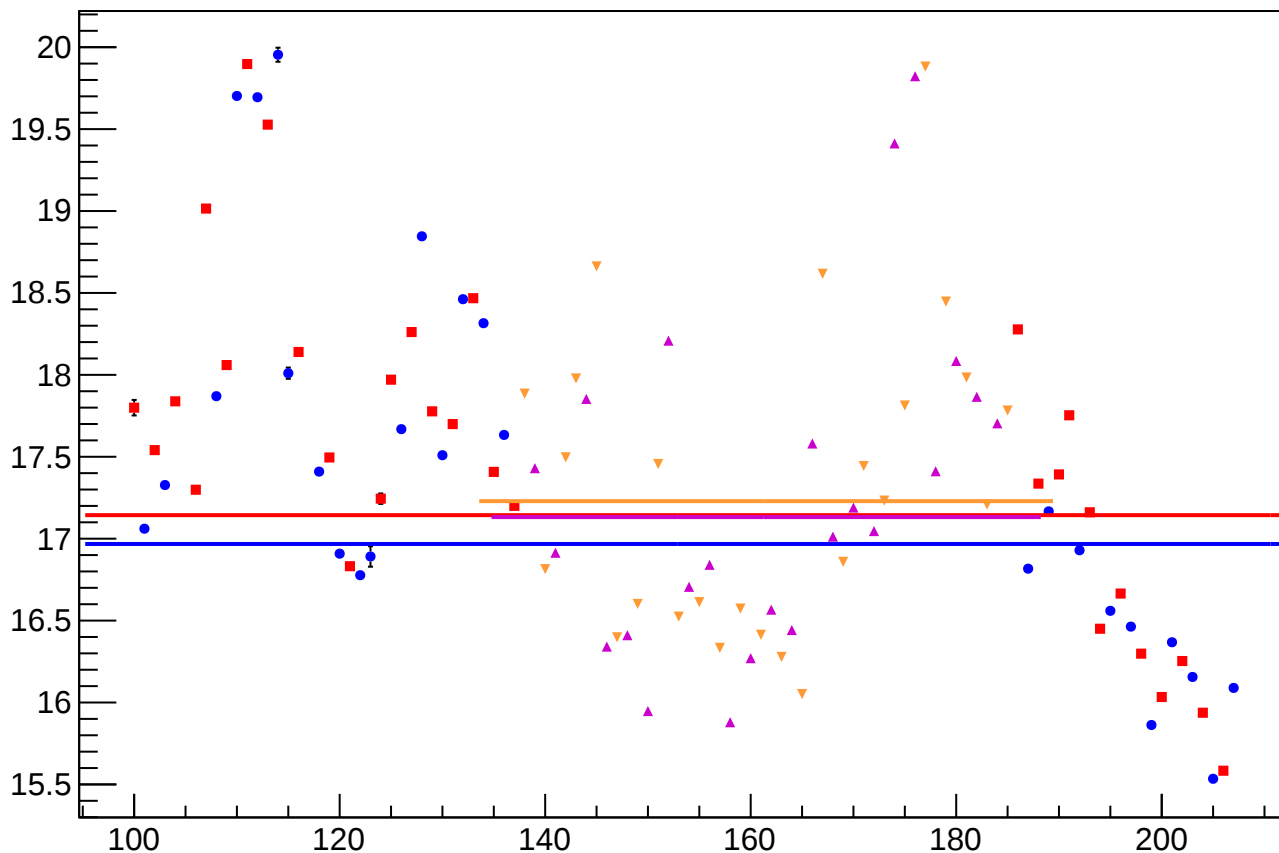
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.004 ± 3.019 χ^2/NDF : 27.2/51

All: -2.033 ± 2.130 χ^2/NDF : 105.1/105

- sign -5.044 ± 3.007 χ^2/NDF : 75.9/53

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.968 $\pm$ 0.003 χ^2 /NDF: 98506.5/26

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF:98624.7/24

Right Out: 17.144 $\pm$ 0.003 χ^2 /NDF: 105453.4/30

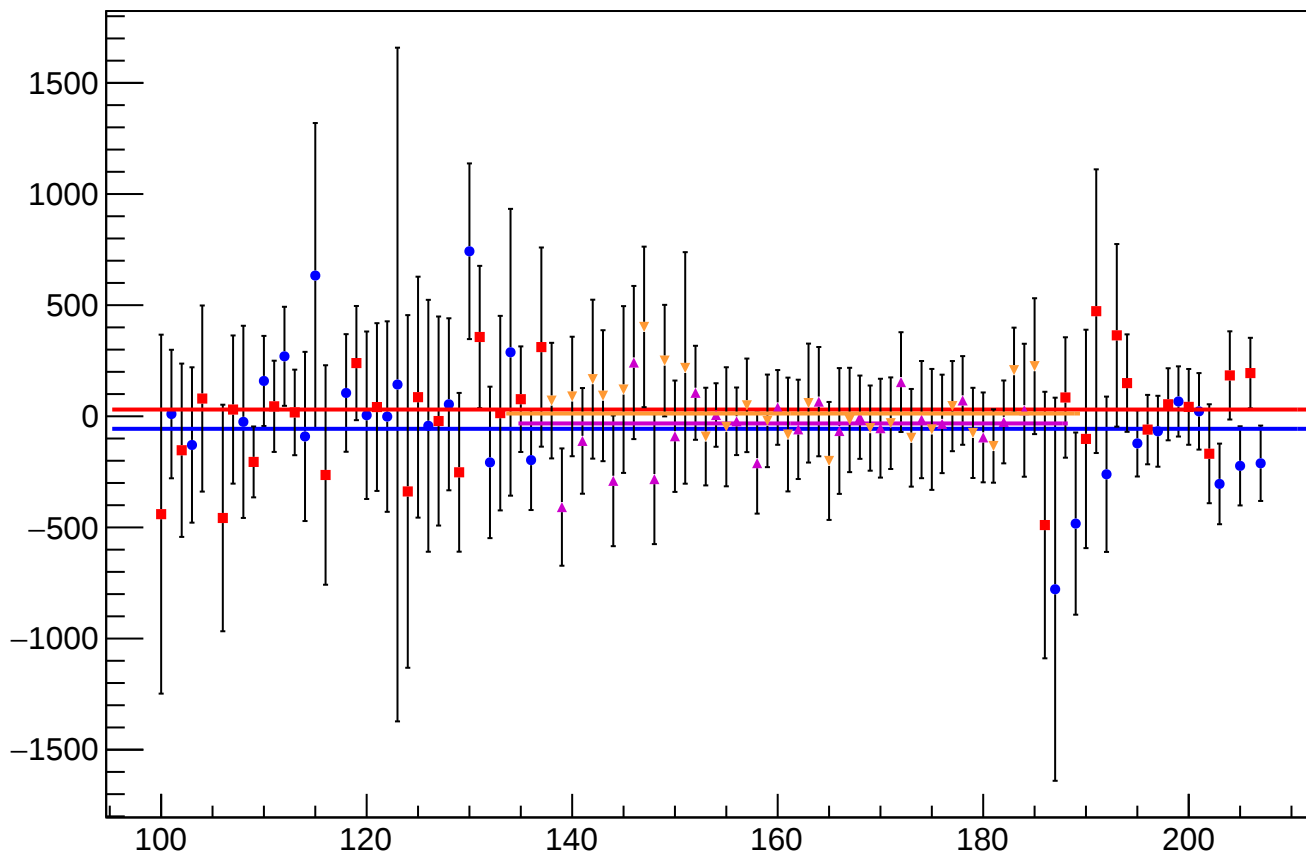
Left In: 17.132 $\pm$ 0.003 χ^2 /NDF:103997.3/22

+ sign 17.115 $\pm$ 0.002 χ^2 /NDF: 200818.4/51

All: 17.126 $\pm$ 0.002 χ^2 /NDF: 410330.1/105

- sign 17.137 $\pm$ 0.002 χ^2 /NDF: 209458.4/53

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -56.343 ± 48.589 χ^2/NDF : 16.6/26

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 30.431 ± 47.322 χ^2/NDF : 12.2/30

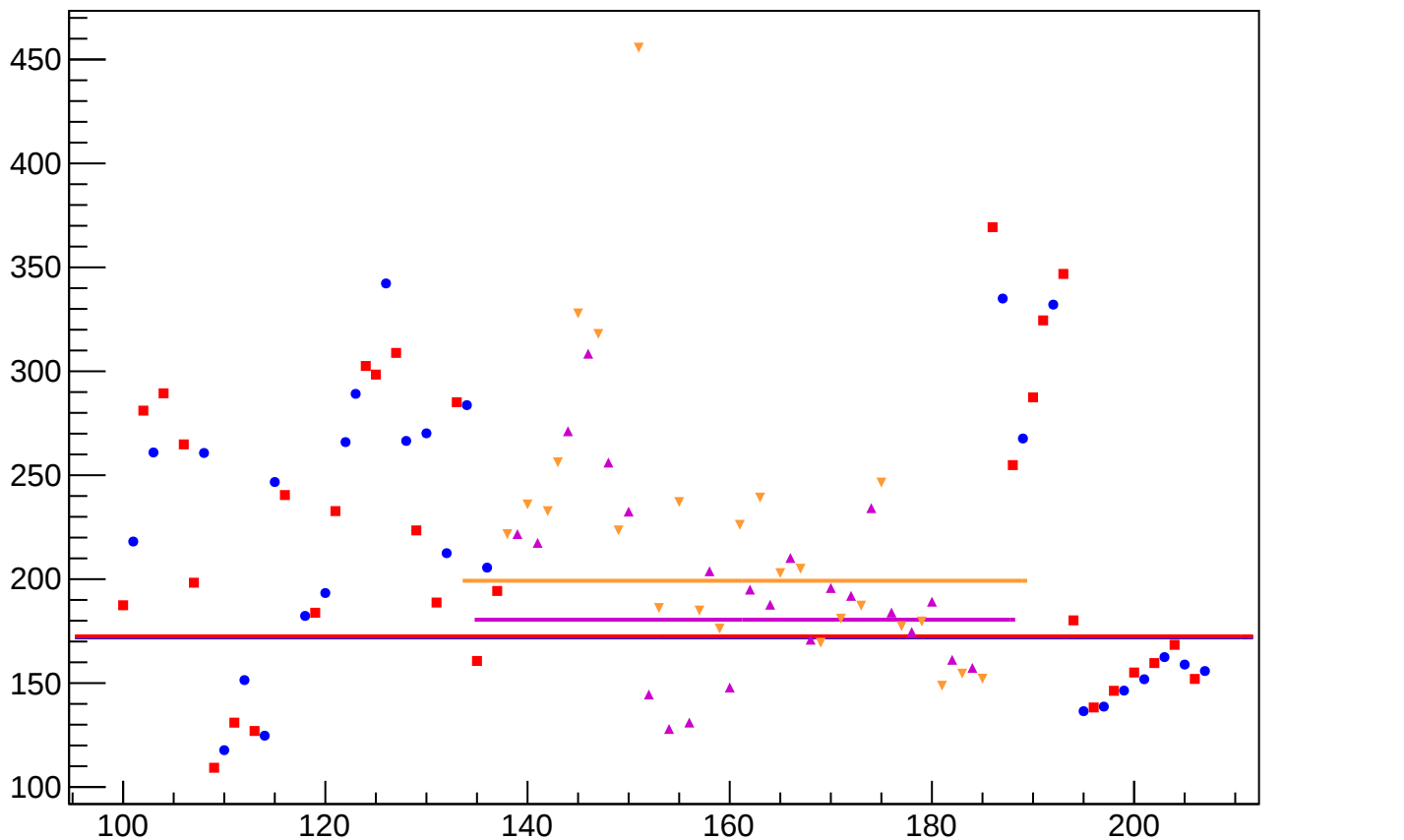
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign -21.577 ± 34.178 χ^2/NDF : 24.4/51

All: -11.525 ± 23.612 χ^2/NDF : 44.6/105

- sign -2.346 ± 32.659 χ^2/NDF : 20.0/53

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.014 $\pm$ 0.034 χ^2 /NDF: 2068363.0/26

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF:1764097.7/24

Right Out: 172.486 $\pm$ 0.033 χ^2 /NDF: 2704520.0/30

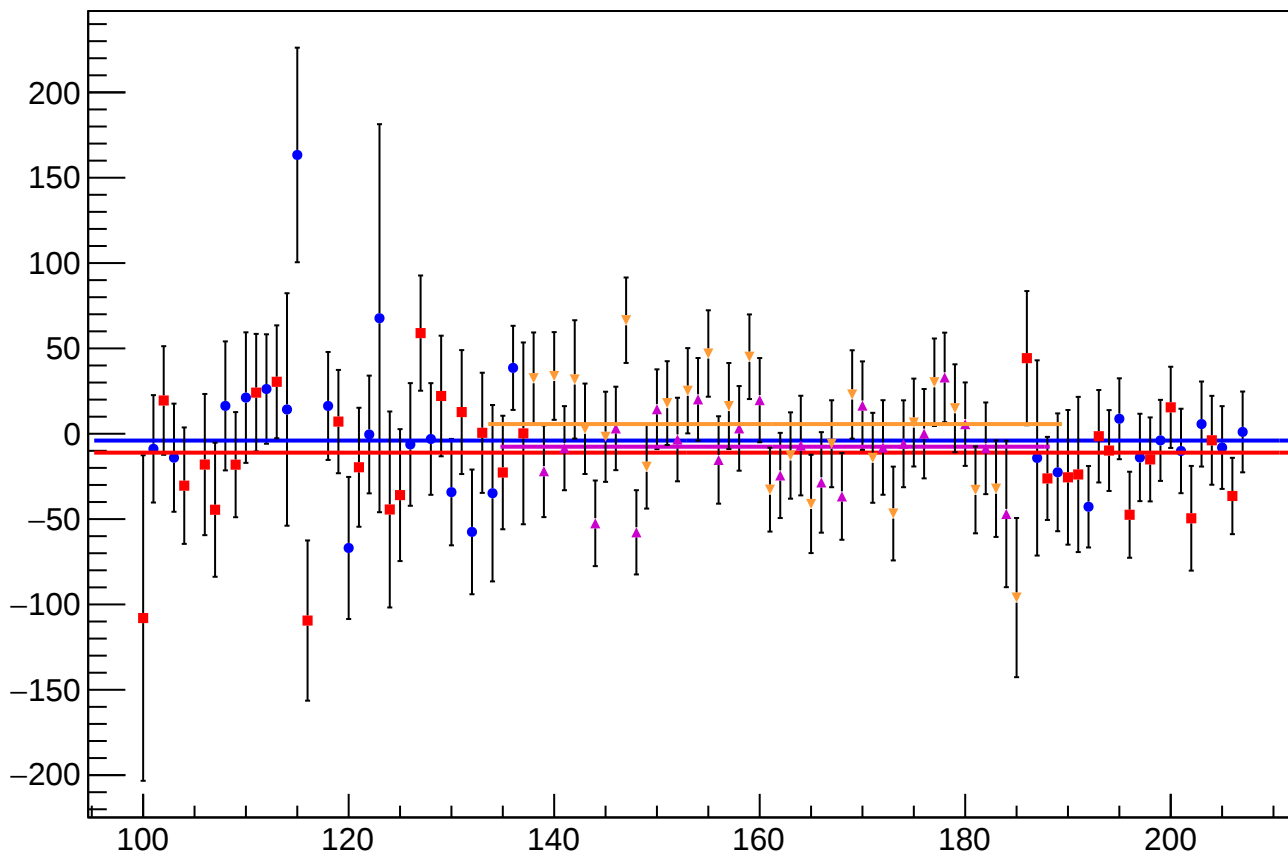
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 185.769 $\pm$ 0.024 χ^2 /NDF: 4149740.3/51

All: 181.018 $\pm$ 0.017 χ^2 /NDF: 8551970.8/105

- sign 176.680 $\pm$ 0.023 χ^2 /NDF: 4328293.8/53

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.990 ± 6.025 $\chi^2/\text{NDF}: 22.1/26$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -11.067 ± 5.775 $\chi^2/\text{NDF}: 26.2/30$

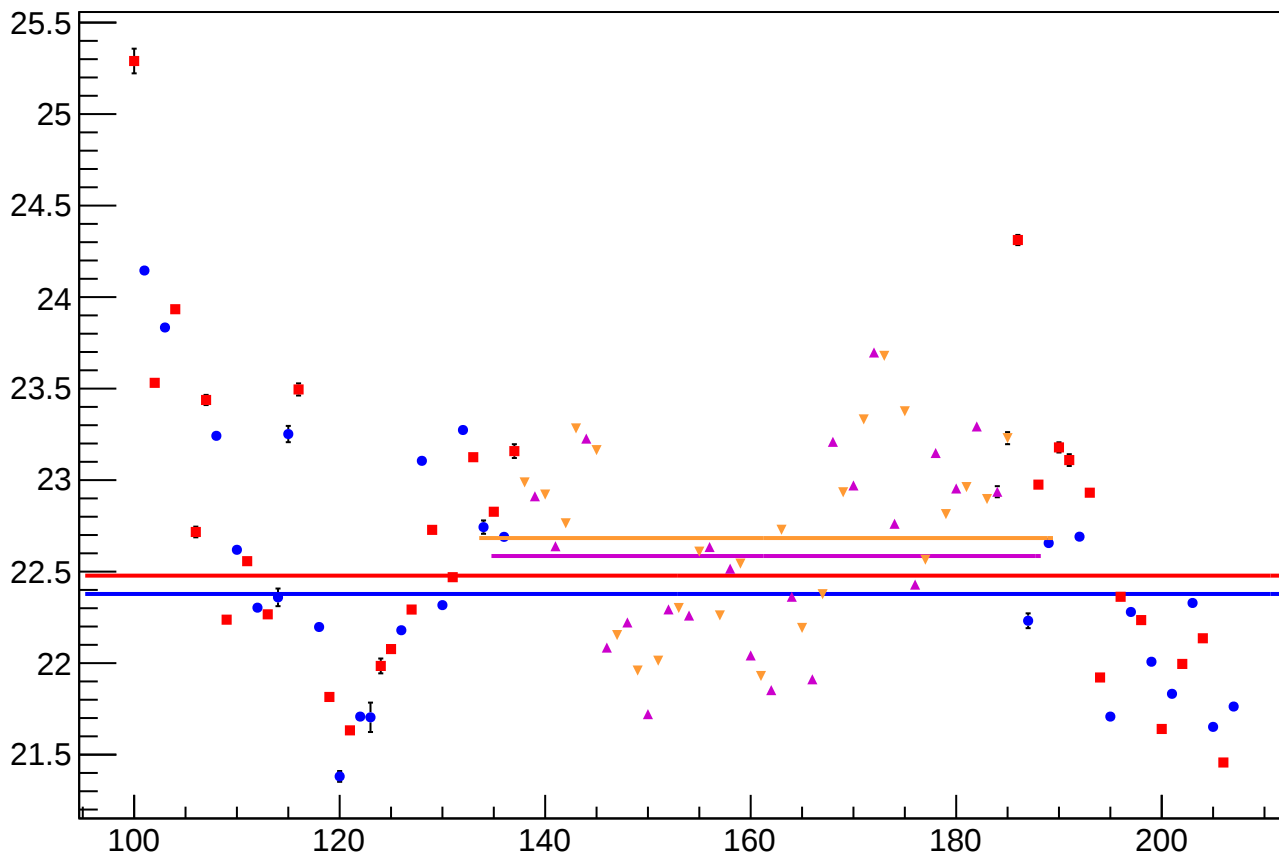
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 1.477 ± 3.970 $\chi^2/\text{NDF}: 60.0/51$

All: -3.903 ± 2.798 $\chi^2/\text{NDF}: 108.3/105$

- sign -9.214 ± 3.945 $\chi^2/\text{NDF}: 44.7/53$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.378 $\pm$ 0.004 χ^2 /NDF: 23505.6/26

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.478 $\pm$ 0.004 χ^2 /NDF: 29473.4/30

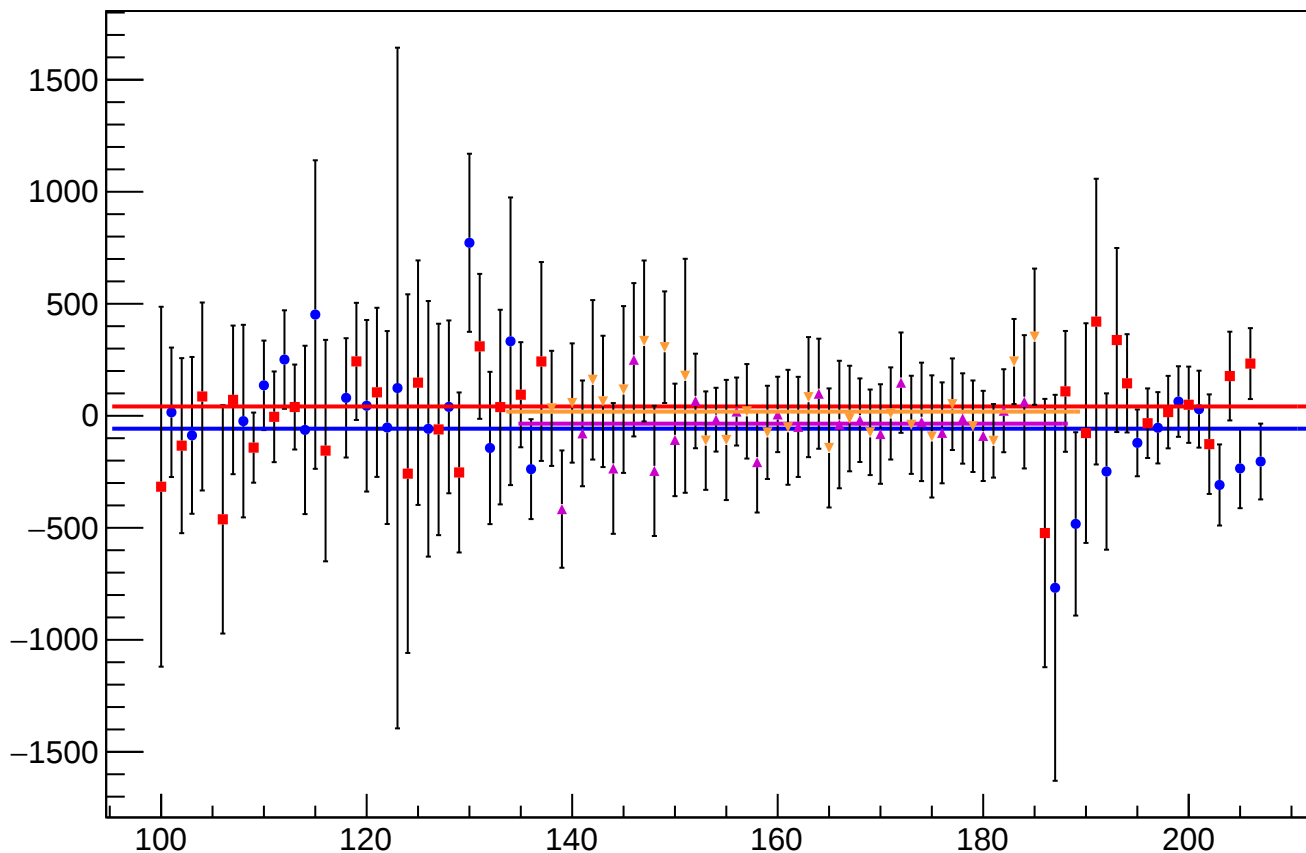
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.551 $\pm$ 0.003 χ^2 /NDF: 42733.9/51

All: 22.543 $\pm$ 0.002 χ^2 /NDF: 90677.7/105

- sign 22.535 $\pm$ 0.003 χ^2 /NDF: 47928.4/53

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -57.541 ± 48.451 χ^2/NDF : 16.2/26

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 41.675 ± 47.109 χ^2/NDF : 10.3/30

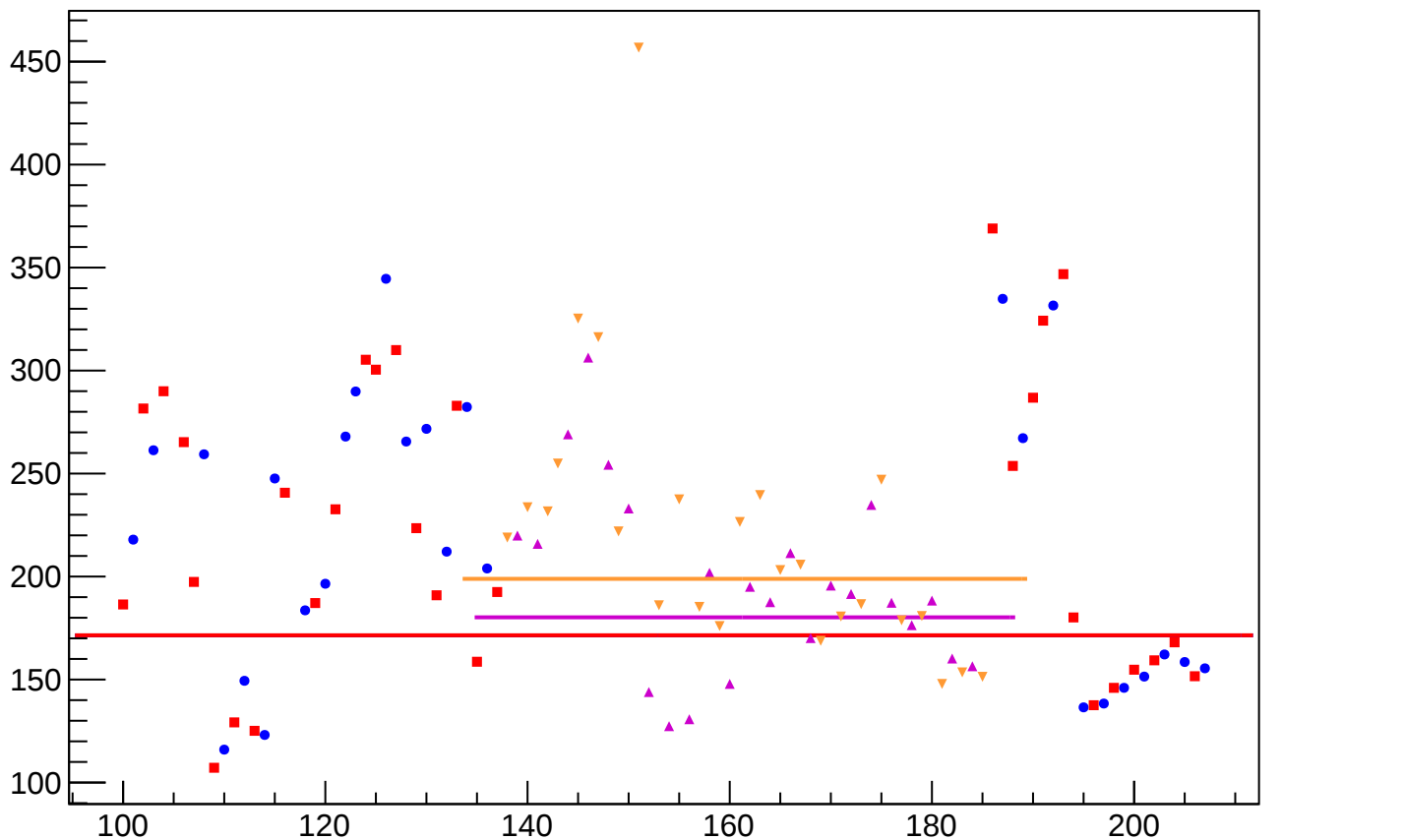
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign -19.103 ± 34.101 χ^2/NDF : 25.0/51

All: -8.268 ± 23.551 χ^2/NDF : 43.2/105

- sign 1.612 ± 32.564 χ^2/NDF : 18.0/53

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.437 $\pm$ 0.034 χ^2 /NDF: 2098035.0/26

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 171.485 $\pm$ 0.033 χ^2 /NDF: 2773025.5/30

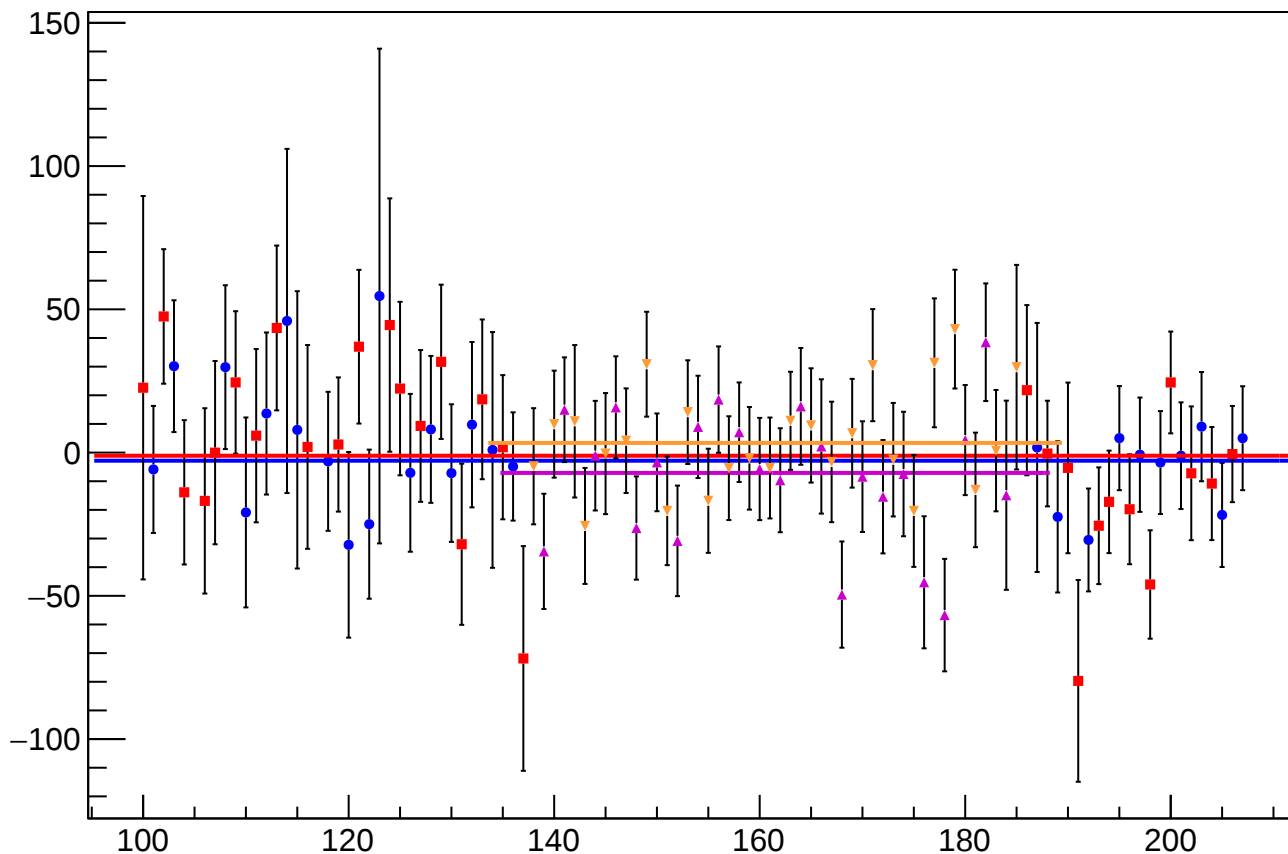
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 185.291 $\pm$ 0.024 χ^2 /NDF: 4184512.4/51

All: 180.452 $\pm$ 0.017 χ^2 /NDF: 8659335.7/105

- sign 176.039 $\pm$ 0.023 χ^2 /NDF: 4397835.0/53

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.833 ± 4.620 $\chi^2/\text{NDF}: 12.0/26$

Left Out: 3.372 ± 3.947 $\chi^2/\text{NDF}: 18.8/24$

Right Out: -1.096 ± 4.436 $\chi^2/\text{NDF}: 35.6/30$

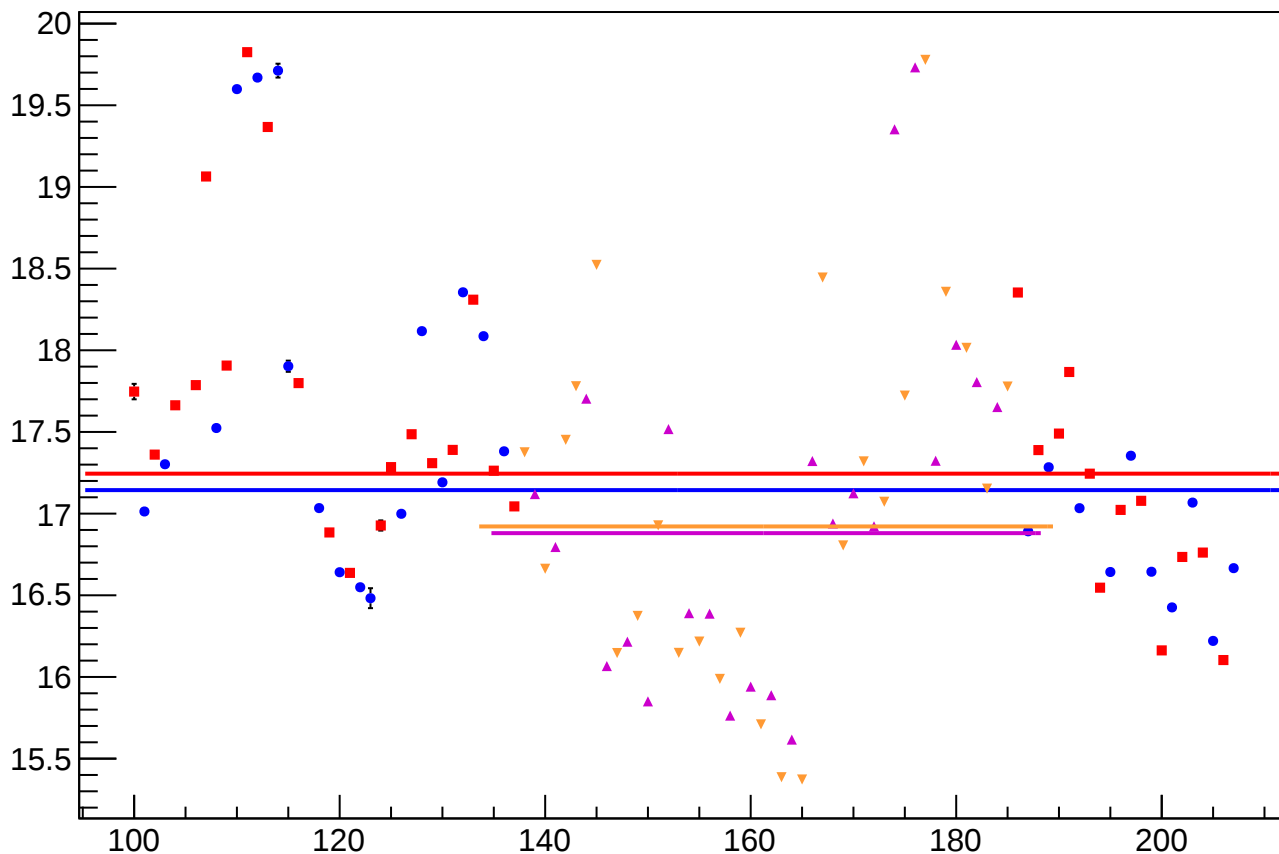
Left In: -7.099 ± 4.047 $\chi^2/\text{NDF}: 32.5/22$

+ sign 0.754 ± 3.001 $\chi^2/\text{NDF}: 31.8/51$

All: -1.818 ± 2.118 $\chi^2/\text{NDF}: 102.4/105$

- sign -4.372 ± 2.990 $\chi^2/\text{NDF}: 69.1/53$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.144 $\pm$ 0.003 χ^2 /NDF: 54148.9/26

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.245 $\pm$ 0.003 χ^2 /NDF: 65848.4/30

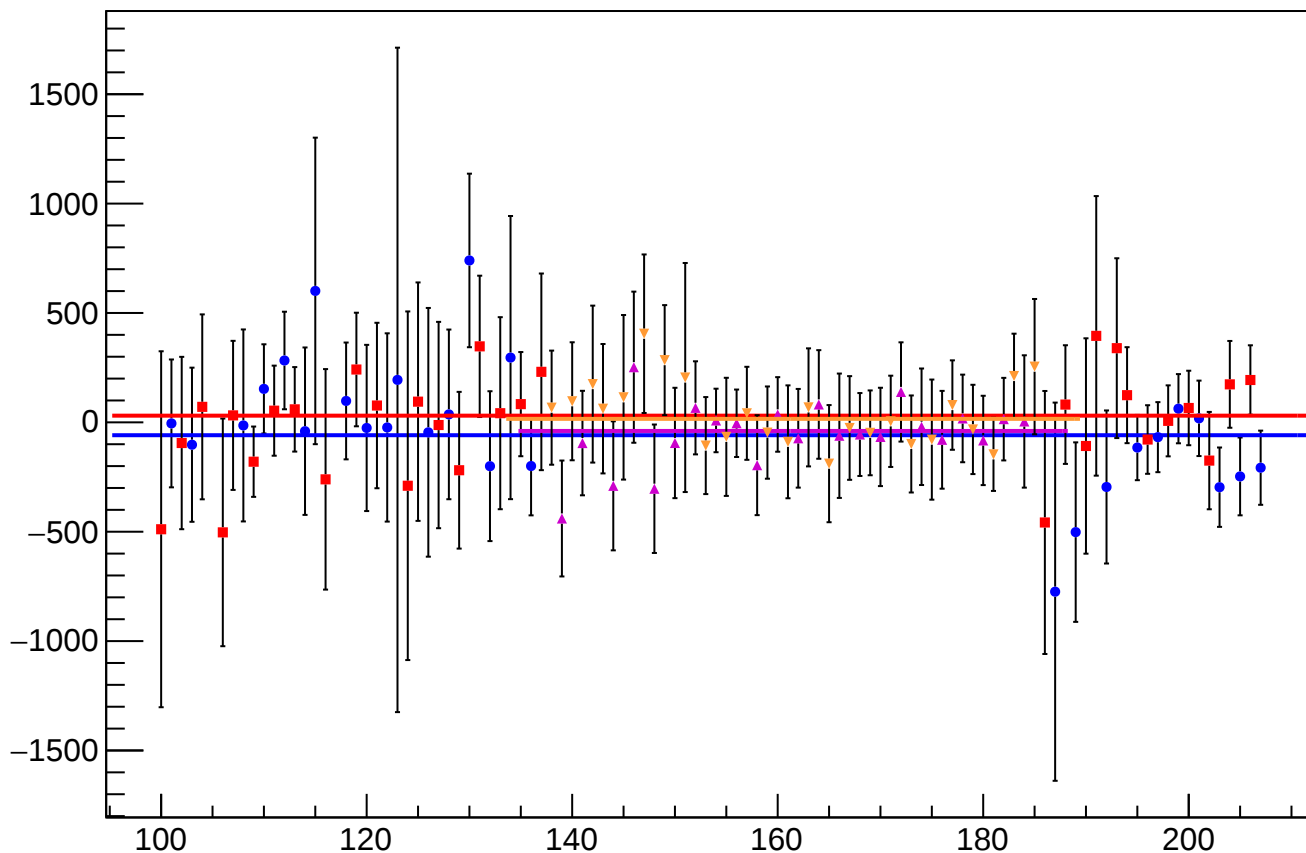
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 17.015 $\pm$ 0.002 χ^2 /NDF: 195819.5/51

All: 17.031 $\pm$ 0.001 χ^2 /NDF: 390866.3/105

- sign 17.046 $\pm$ 0.002 χ^2 /NDF: 194942.4/53

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -58.834 ± 48.724 χ^2/NDF : 16.6/26

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 30.564 ± 47.488 χ^2/NDF : 11.0/30

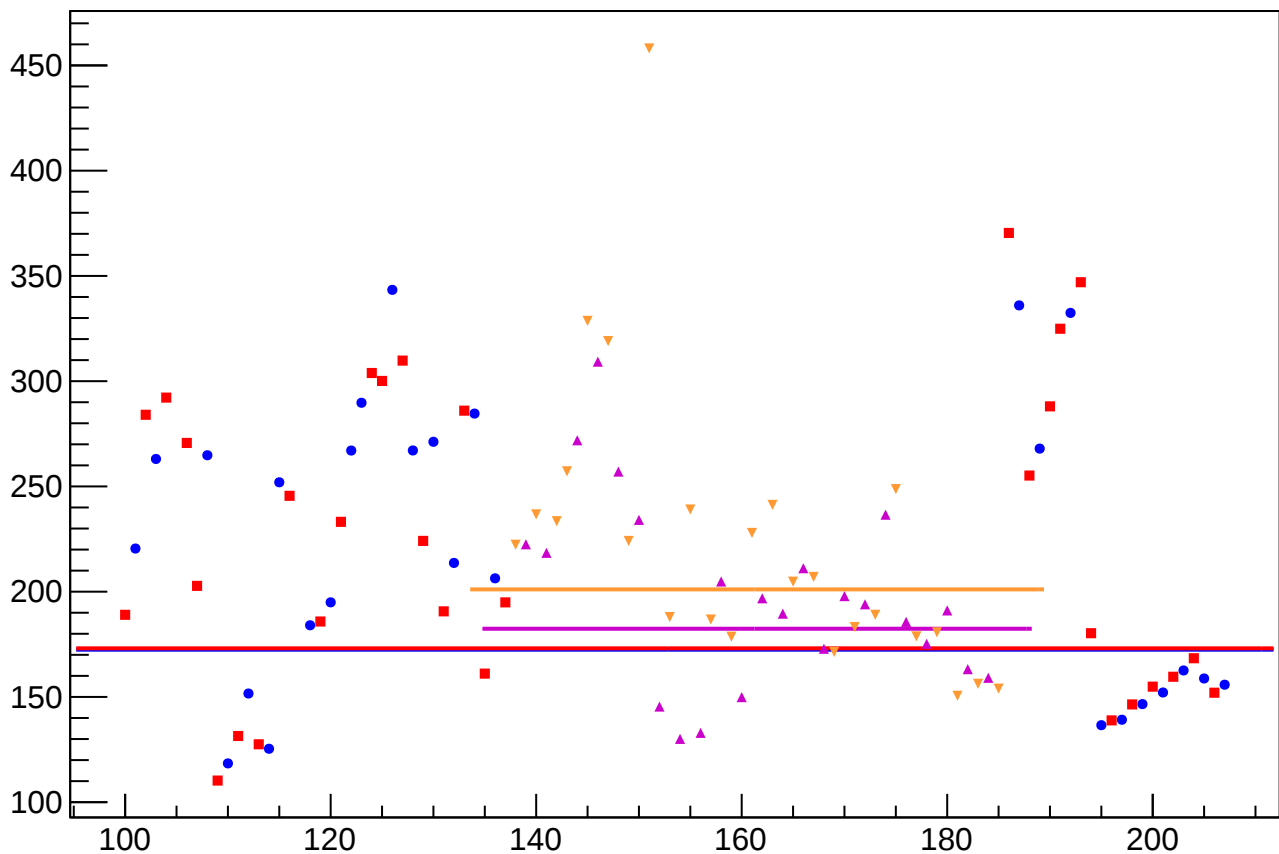
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -21.262 ± 34.375 χ^2/NDF : 25.1/51

All: -13.212 ± 23.761 χ^2/NDF : 44.3/105

- sign -5.847 ± 32.880 χ^2/NDF : 19.0/53

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 172.448 $\pm$ 0.034 χ^2 /NDF: 2084933.5/26

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 173.089 $\pm$ 0.034 χ^2 /NDF: 2715275.7/30

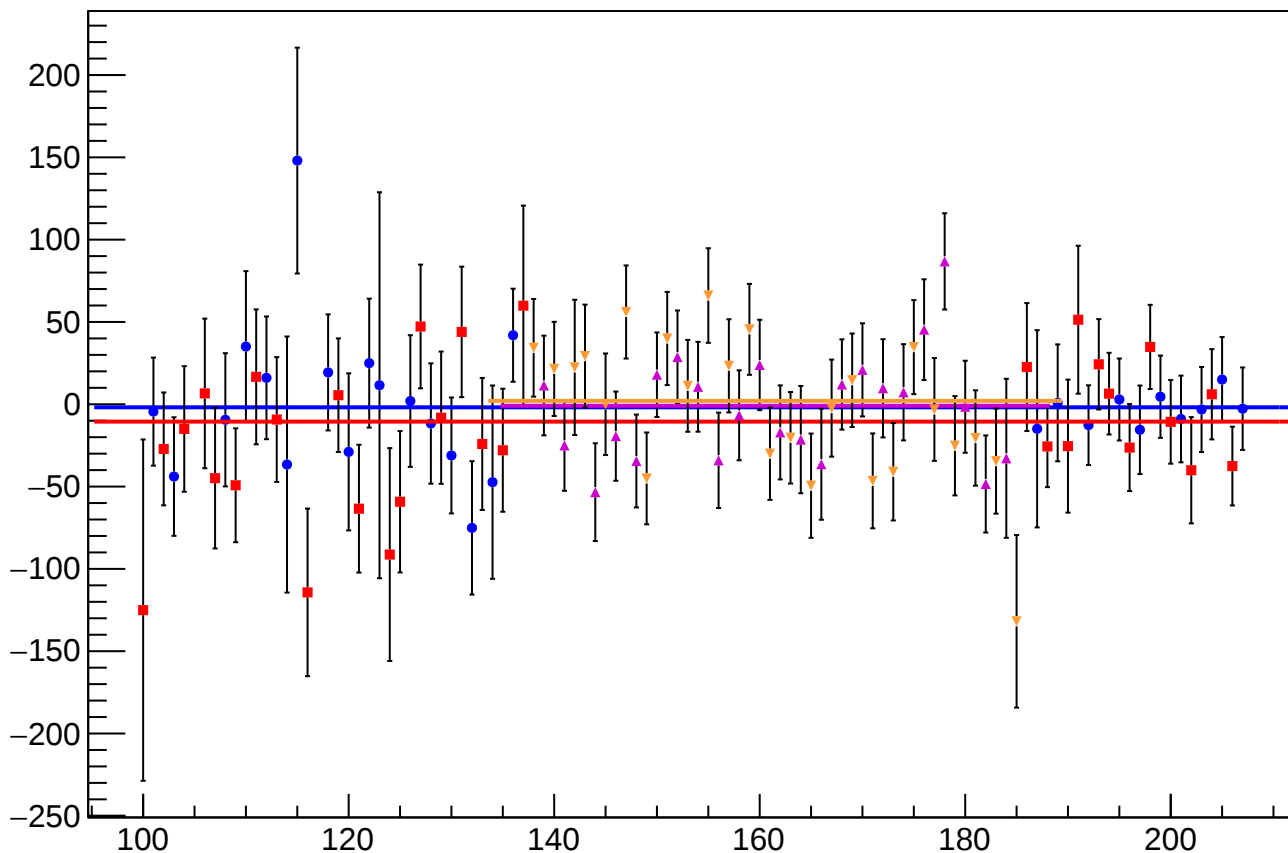
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 186.835 $\pm$ 0.024 χ^2 /NDF: 4163157.2/51

All: 182.187 $\pm$ 0.017 χ^2 /NDF: 8537354.8/105

- sign 177.934 $\pm$ 0.023 χ^2 /NDF: 4304177.6/53

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.848 ± 6.510 χ^2/NDF : 16.6/26

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -10.535 ± 6.209 χ^2/NDF : 30.1/30

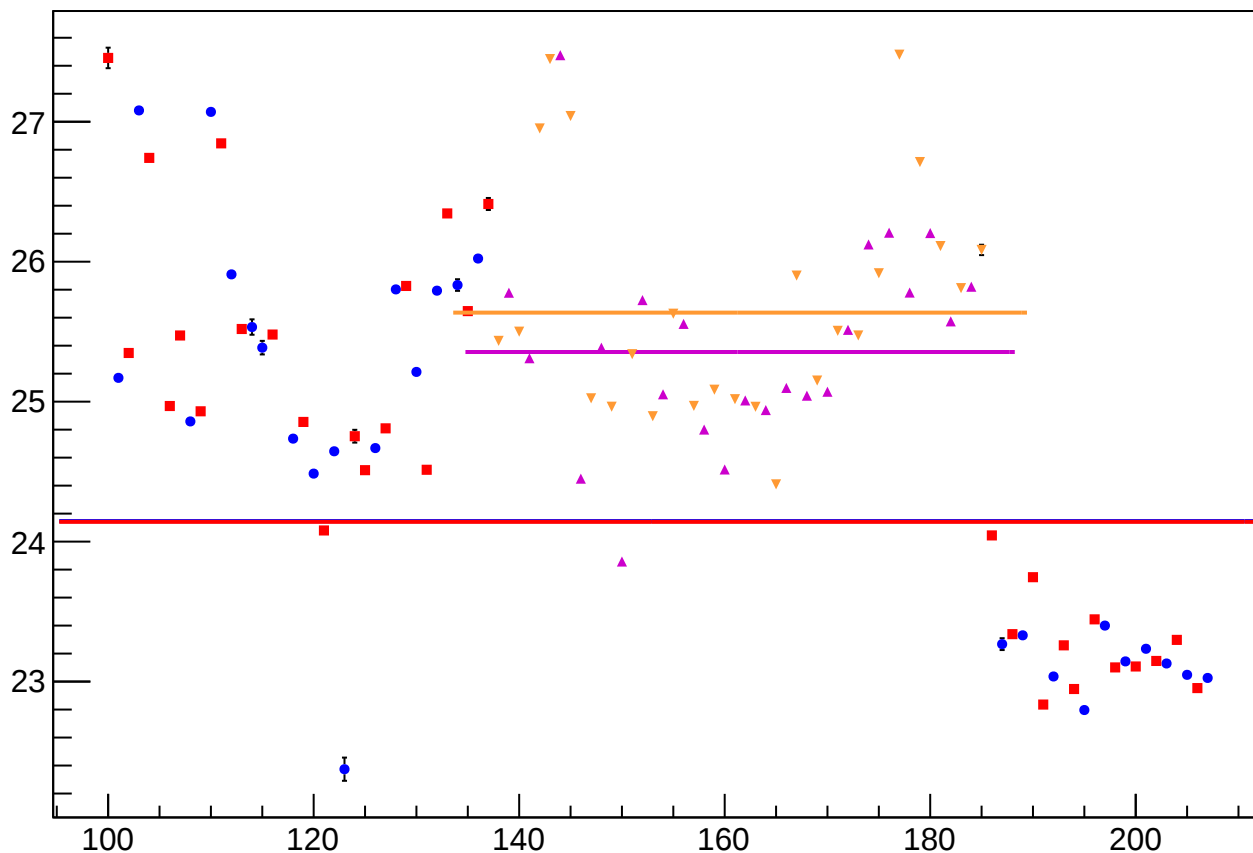
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 0.271 ± 4.400 χ^2/NDF : 56.2/51

All: -2.709 ± 3.090 χ^2/NDF : 115.6/105

- sign -5.608 ± 4.340 χ^2/NDF : 58.5/53

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.147 $\pm$ 0.005 χ^2 /NDF: 80692.4/26

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF: 35130.7/24

Right Out: 24.141 $\pm$ 0.004 χ^2 /NDF: 75216.4/30

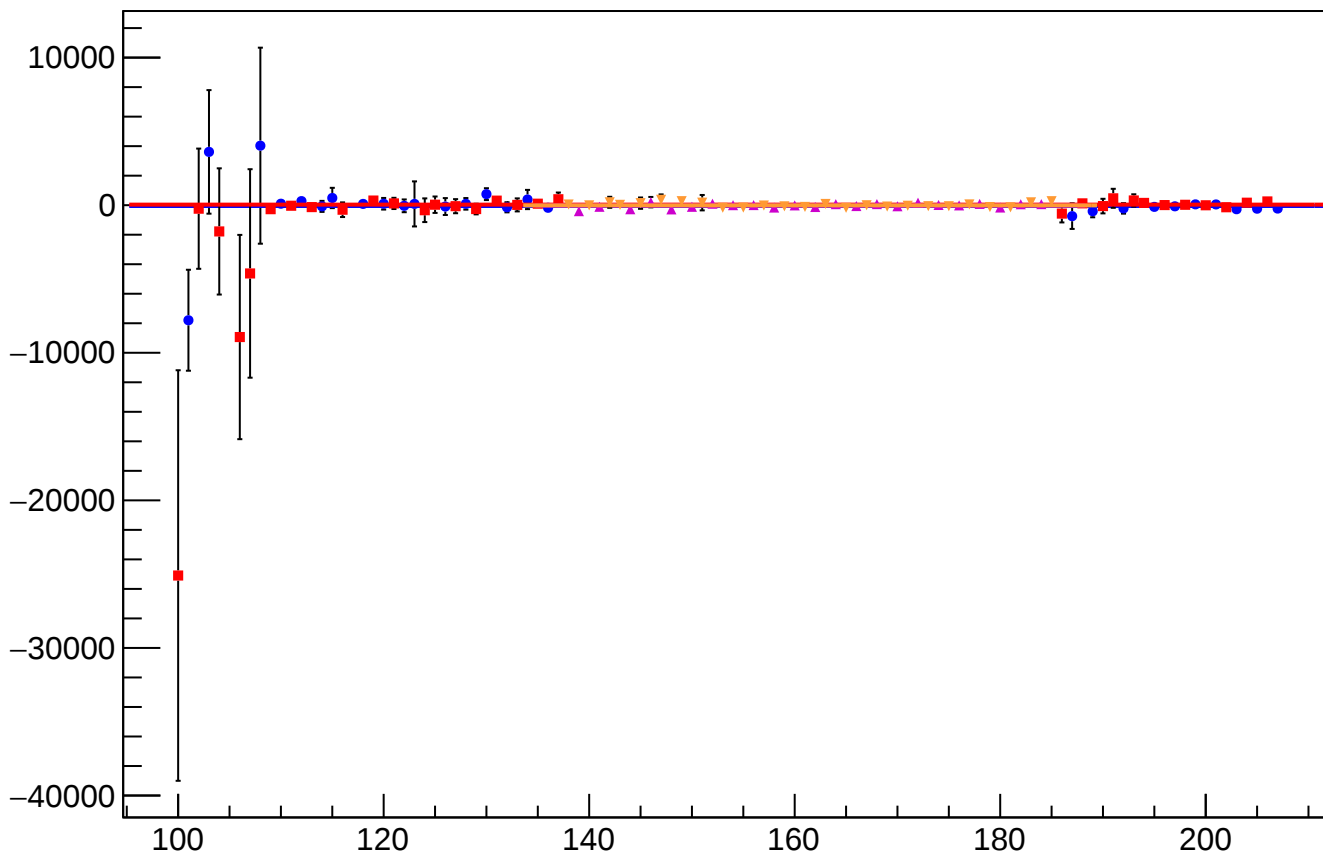
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 24.956 $\pm$ 0.003 χ^2 /NDF: 172690.1/51

All: 24.857 $\pm$ 0.002 χ^2 /NDF: 318706.7/105

- sign 24.762 $\pm$ 0.003 χ^2 /NDF: 144048.2/53

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -53.146 $\pm$ 51.203 χ^2 /NDF: 21.1/26

Left Out: -12.820 $\pm$ 48.216 χ^2 /NDF: 7.9/24

Right Out: 37.990 $\pm$ 50.793 χ^2 /NDF: 17.7/30

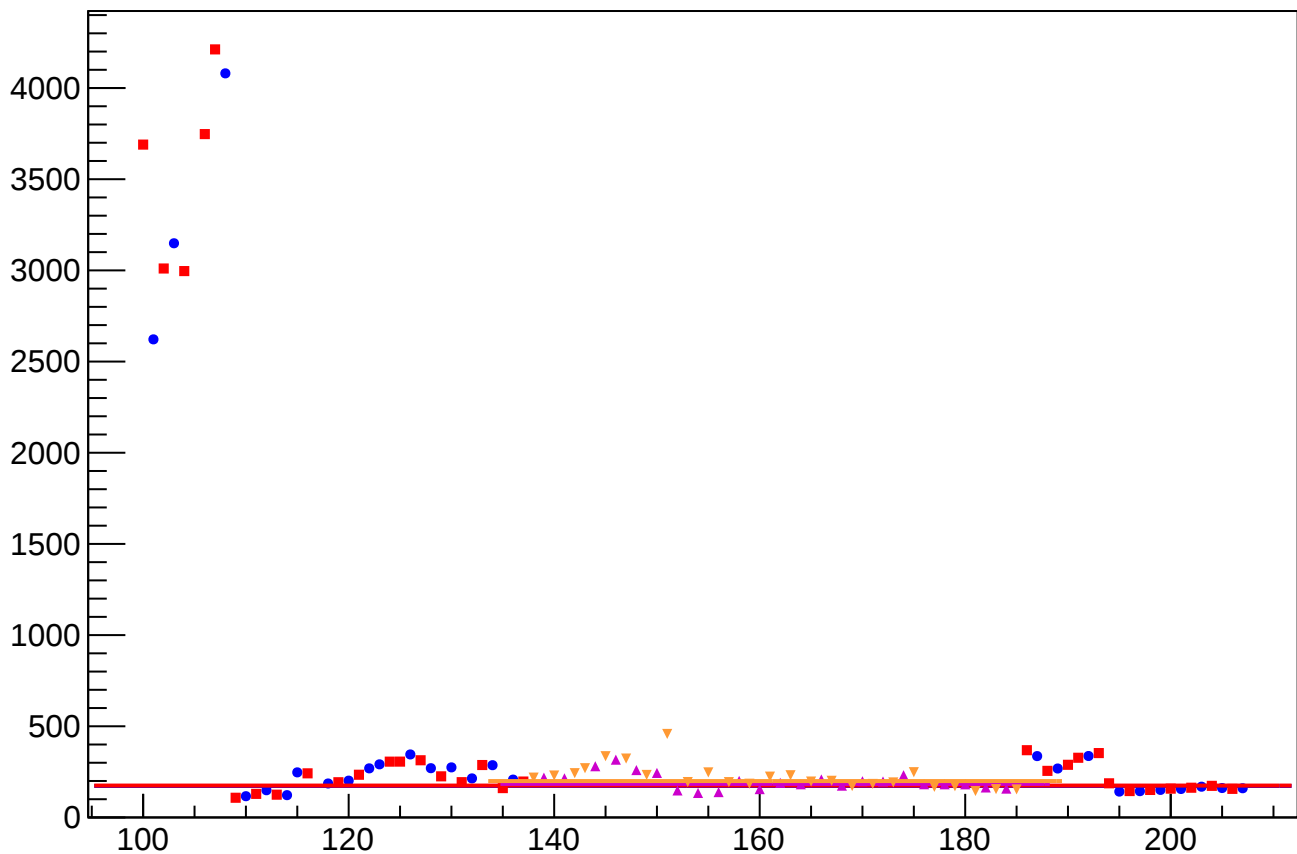
Left In: -26.836 $\pm$ 45.876 χ^2 /NDF: 7.5/22

+ sign -31.773 $\pm$ 35.102 χ^2 /NDF: 29.3/51

All: -14.222 $\pm$ 24.439 χ^2 /NDF: 55.9/105

- sign 2.288 $\pm$ 34.045 χ^2 /NDF: 26.1/53

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.644 $\pm$ 0.036 χ^2 /NDF: 4486695.3/26

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF: 1880548.8/24

Right Out: 174.794 $\pm$ 0.036 χ^2 /NDF: 5334942.9/30

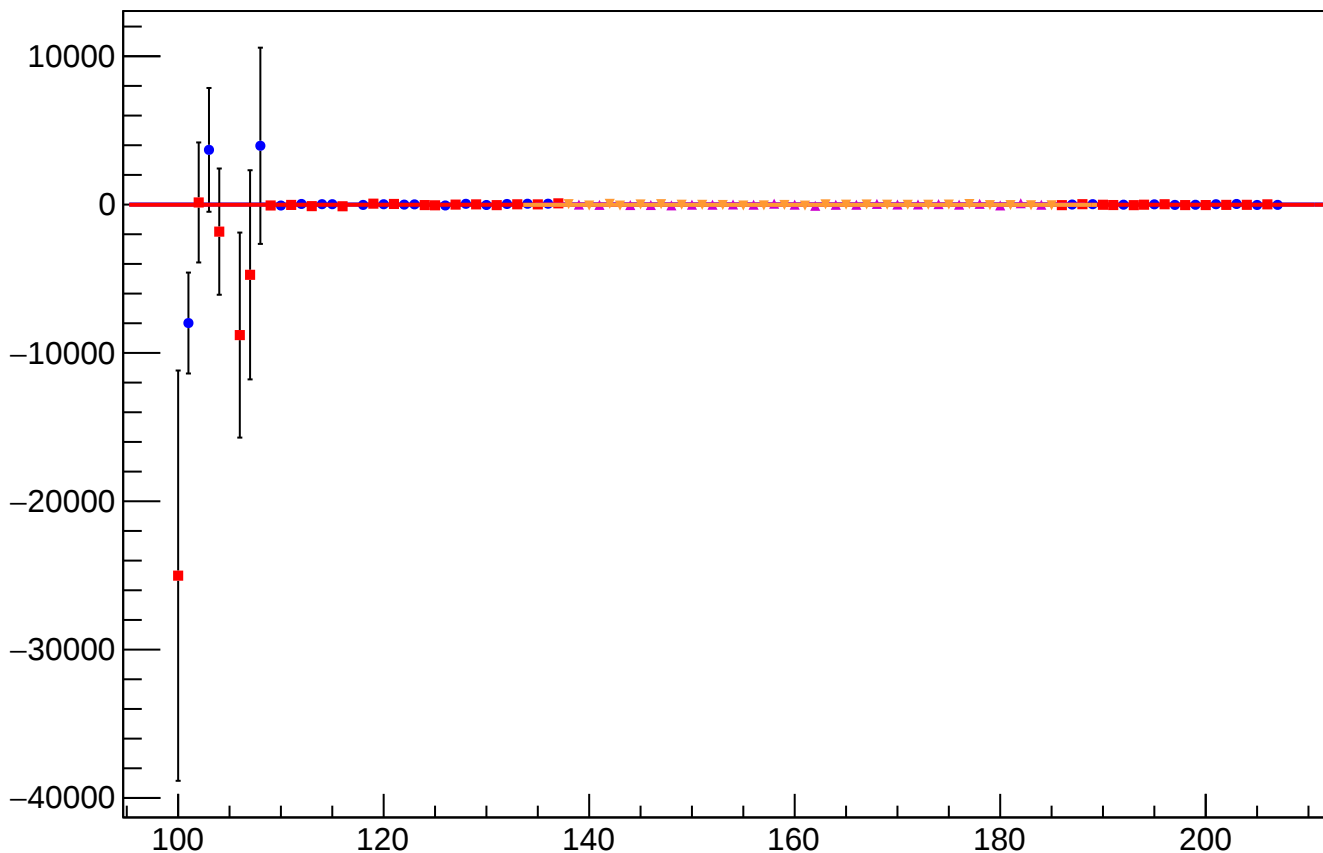
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF: 1423454.3/22

+ sign 186.897 $\pm$ 0.025 χ^2 /NDF: 6659640.6/51

All: 183.282 $\pm$ 0.017 χ^2 /NDF: 13495624.9/10

- sign 179.882 $\pm$ 0.024 χ^2 /NDF: 6794824.8/53

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 4.581 ± 7.852 χ^2/NDF : 24.3/26

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -11.162 ± 7.625 χ^2/NDF : 30.0/30

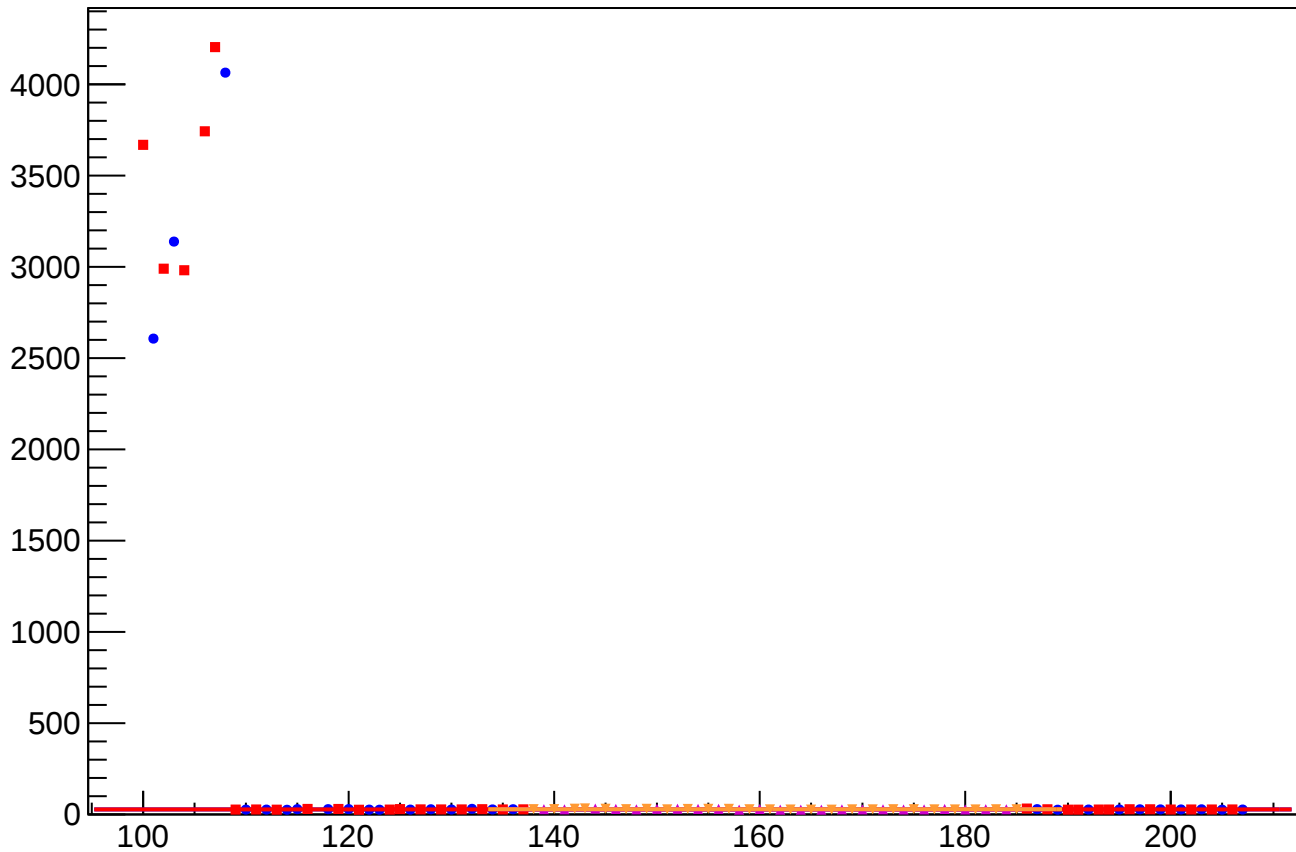
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -8.253 ± 5.094 χ^2/NDF : 51.3/51

All: -6.921 ± 3.607 χ^2/NDF : 114.8/105

- sign -5.582 ± 5.108 χ^2/NDF : 63.4/53

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.511 $\pm$ 0.006 χ^2 /NDF: 3040991.5/26

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.594 $\pm$ 0.005 χ^2 /NDF: 3503326.8/30

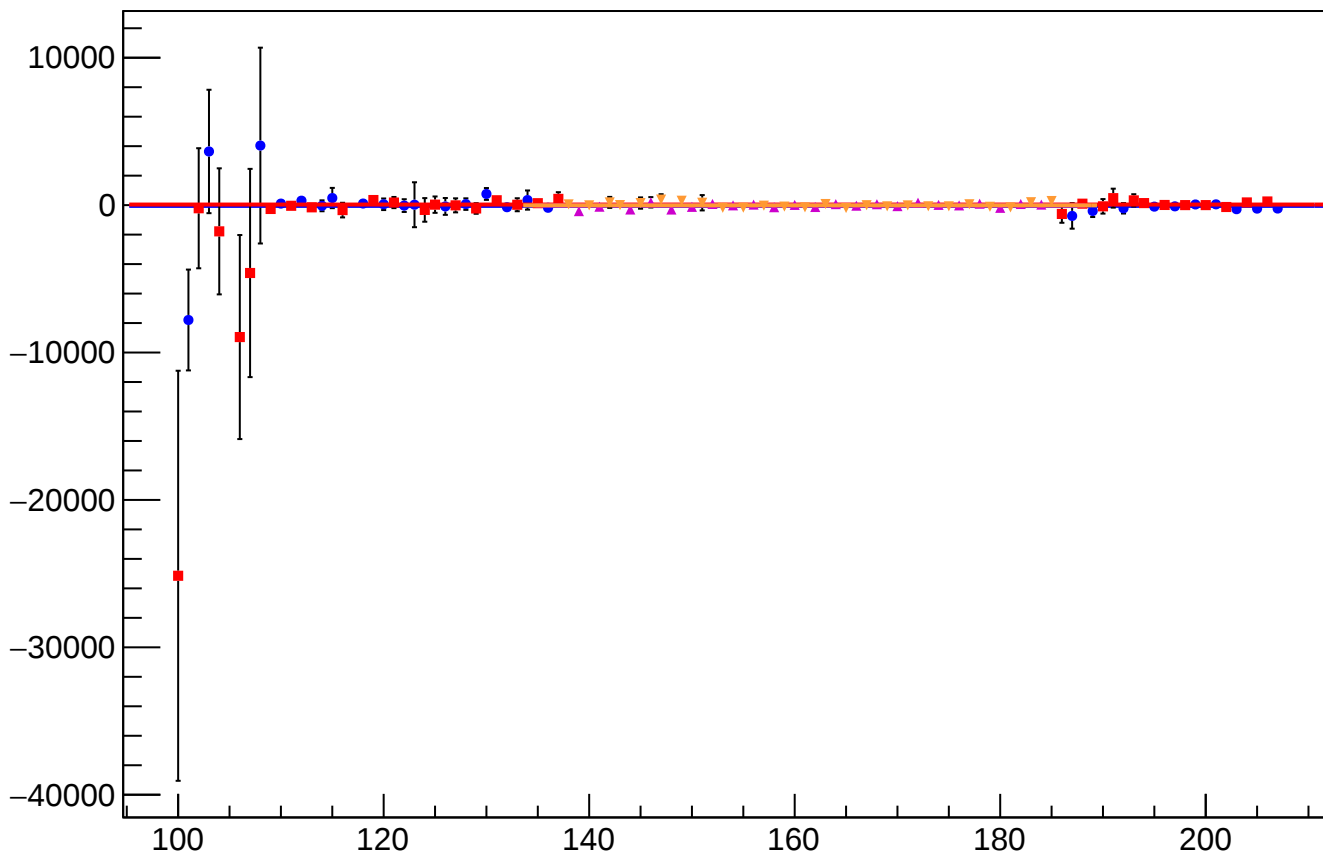
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.194 $\pm$ 0.004 χ^2 /NDF: 3177640.4/51

All: 28.191 $\pm$ 0.003 χ^2 /NDF: 6827788.9/105

- sign 28.189 $\pm$ 0.004 χ^2 /NDF: 3650147.4/53

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -51.369 ± 51.042 χ^2/NDF : 21.4/26

Left Out: -15.483 ± 48.109 χ^2/NDF : 8.7/24

Right Out: 39.404 ± 50.650 χ^2/NDF : 18.3/30

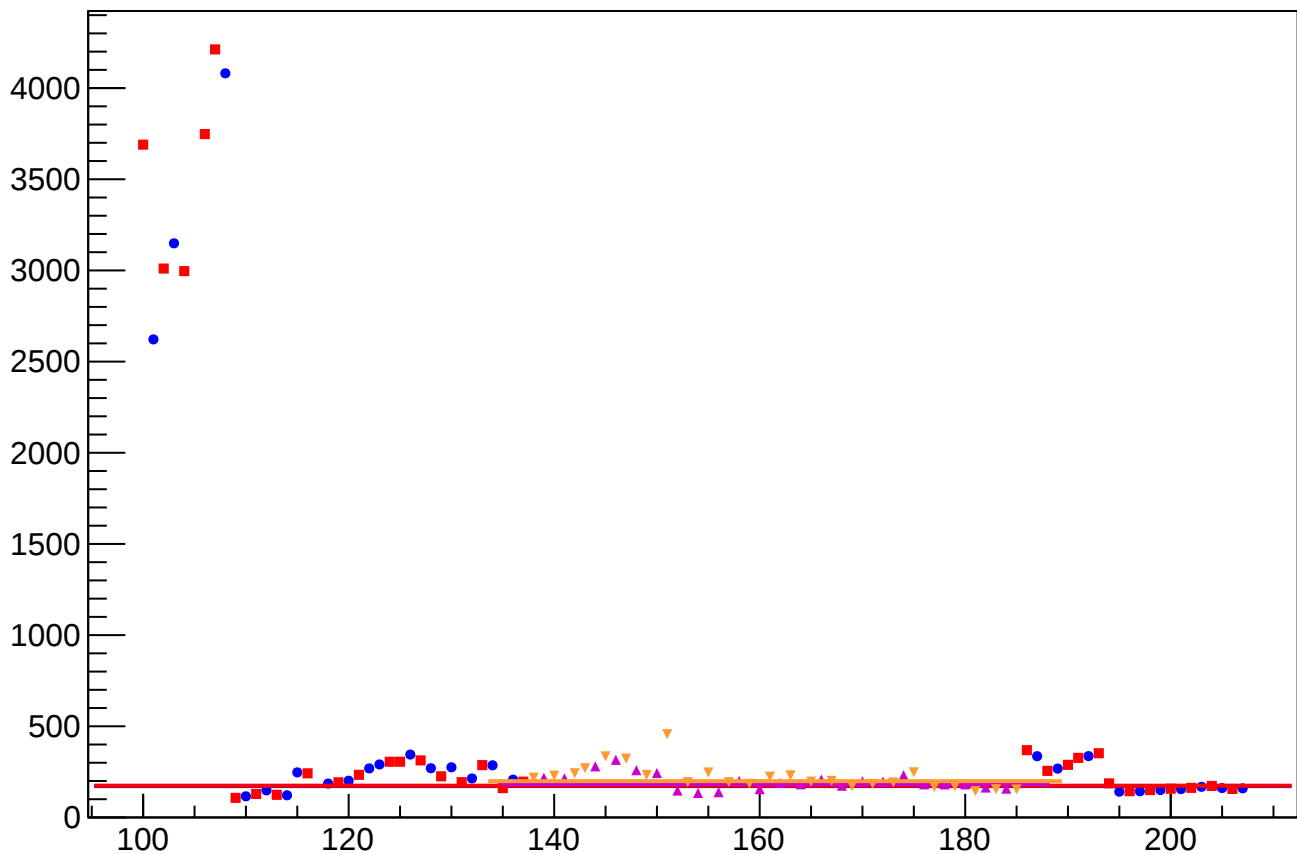
Left In: -27.009 ± 45.785 χ^2/NDF : 7.8/22

+ sign -32.365 ± 35.009 χ^2/NDF : 30.3/51

All: -14.222 ± 24.378 χ^2/NDF : 57.9/105

- sign 2.855 ± 33.965 χ^2/NDF : 27.1/53

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.054 $\pm$ 0.036 χ^2 /NDF: 4499885.5/26

Left Out: 199.094 $\pm$ 0.034 χ^2 /NDF: 1880343.4/24

Right Out: 174.243 $\pm$ 0.036 χ^2 /NDF: 5352125.5/30

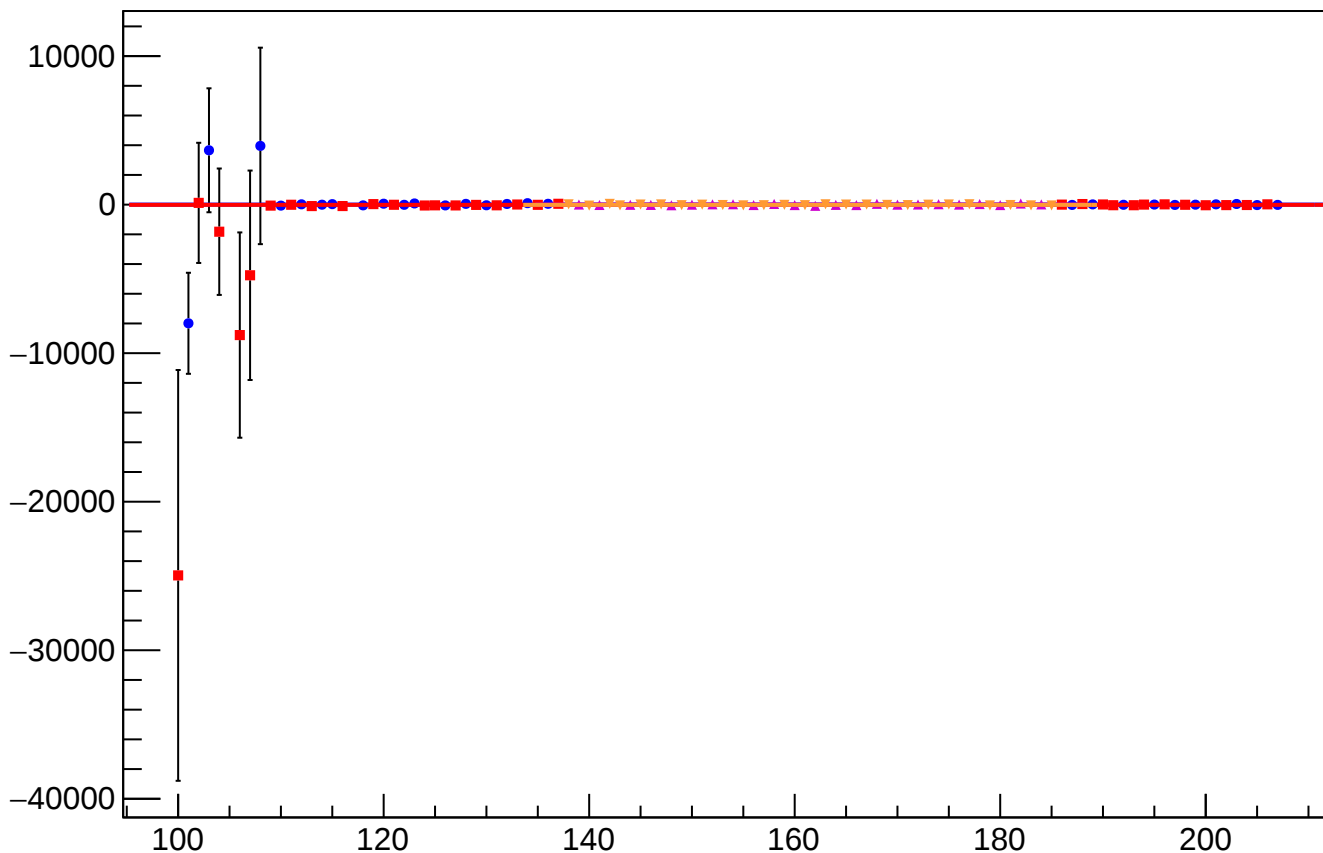
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF: 1422895.7/22

+ sign 186.373 $\pm$ 0.025 χ^2 /NDF: 6677470.0/51

All: 182.796 $\pm$ 0.017 χ^2 /NDF: 13531130.3/10

- sign 179.429 $\pm$ 0.024 χ^2 /NDF: 6813130.2/53

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 2.612 ± 7.829 χ^2/NDF : 27.7/26

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -14.280 ± 7.615 χ^2/NDF : 26.4/30

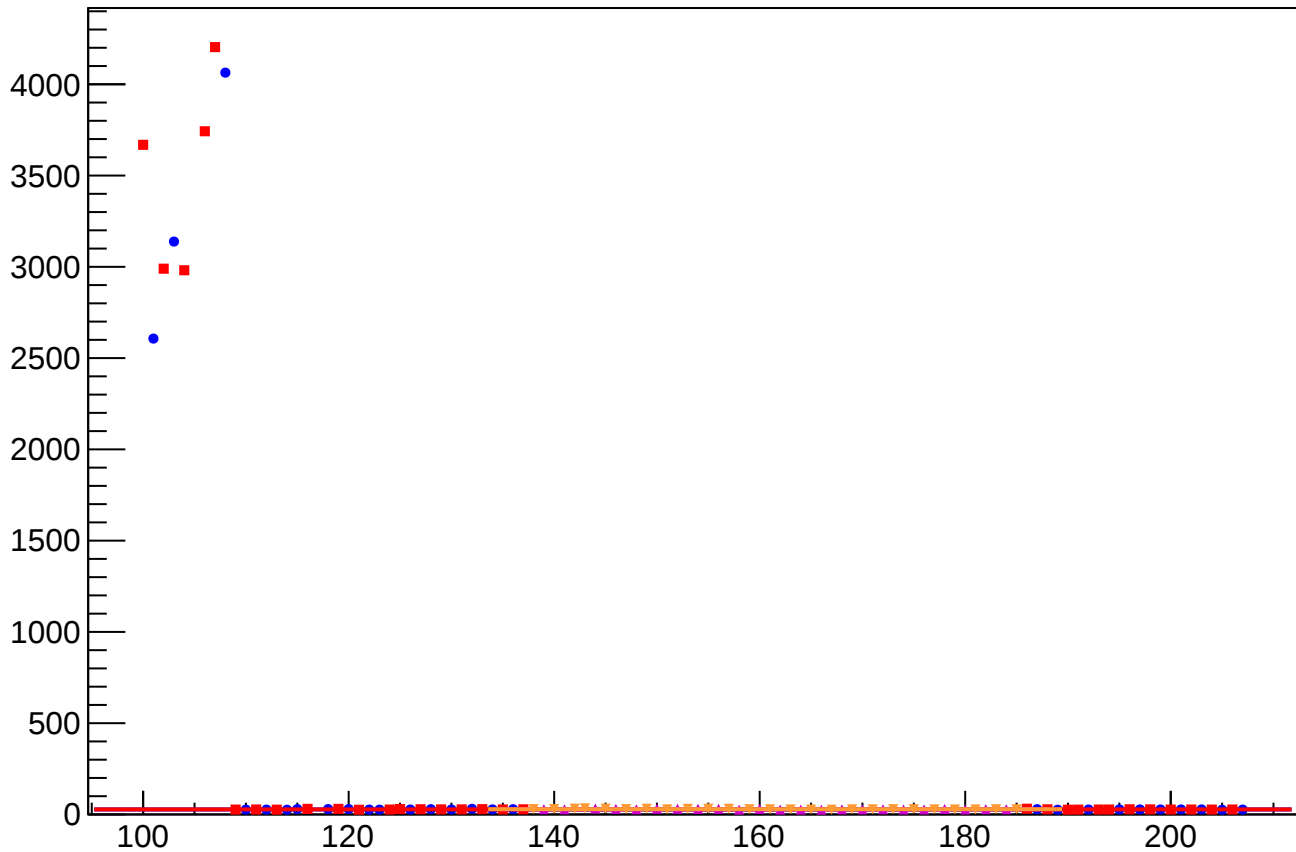
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -7.528 ± 5.101 χ^2/NDF : 48.1/51

All: -6.797 ± 3.612 χ^2/NDF : 103.0/105

- sign -6.062 ± 5.117 χ^2/NDF : 54.9/53

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.424 $\pm$ 0.006 χ^2 /NDF: 3047194.4/26

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.558 $\pm$ 0.005 χ^2 /NDF: 3503622.2/30

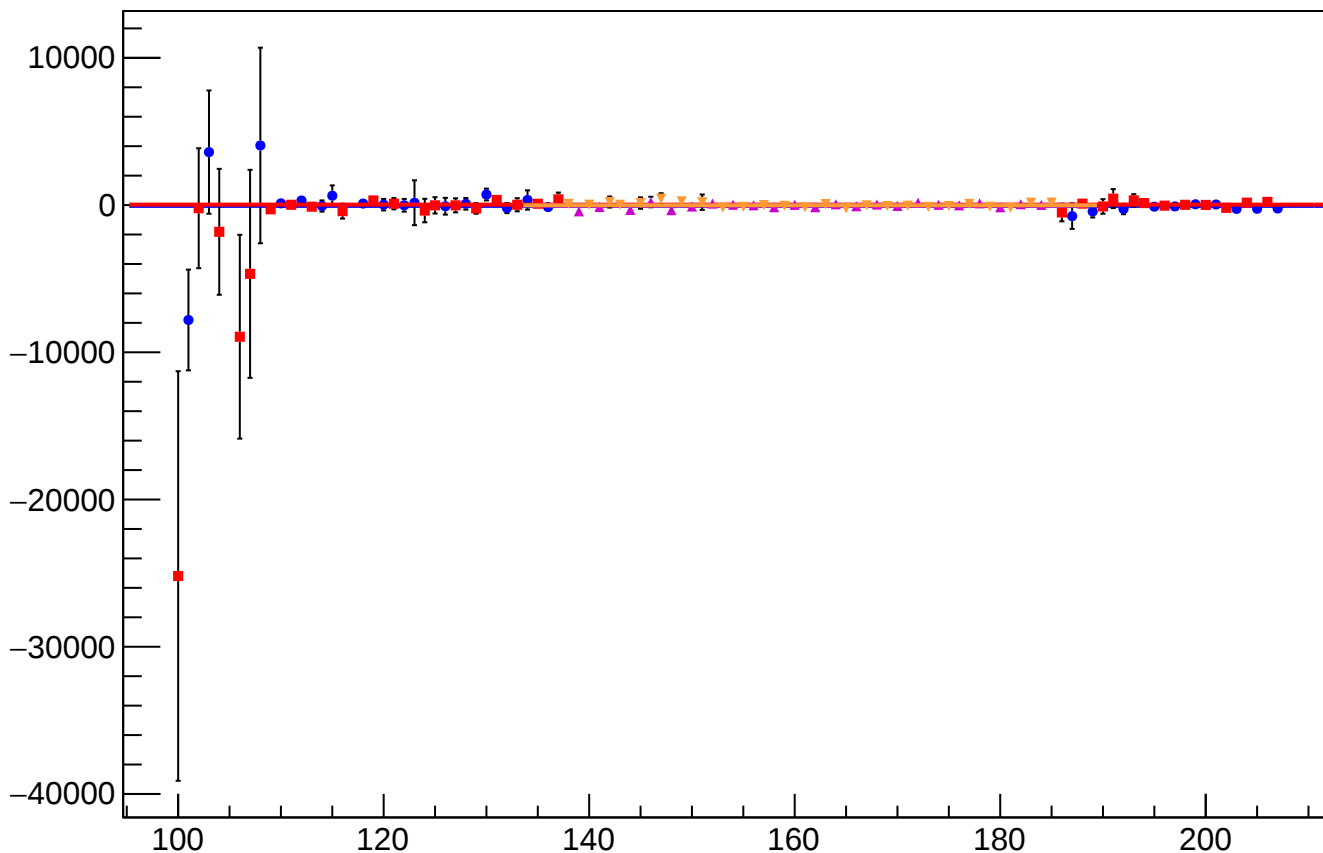
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.223 $\pm$ 0.004 χ^2 /NDF: 3205393.2/51

All: 28.229 $\pm$ 0.003 χ^2 /NDF: 6867245.5/105

- sign 28.235 $\pm$ 0.004 χ^2 /NDF: 3661846.9/53

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -53.362 ± 51.387 χ^2/NDF : 21.6/26

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: 30.333 ± 51.033 χ^2/NDF : 17.4/30

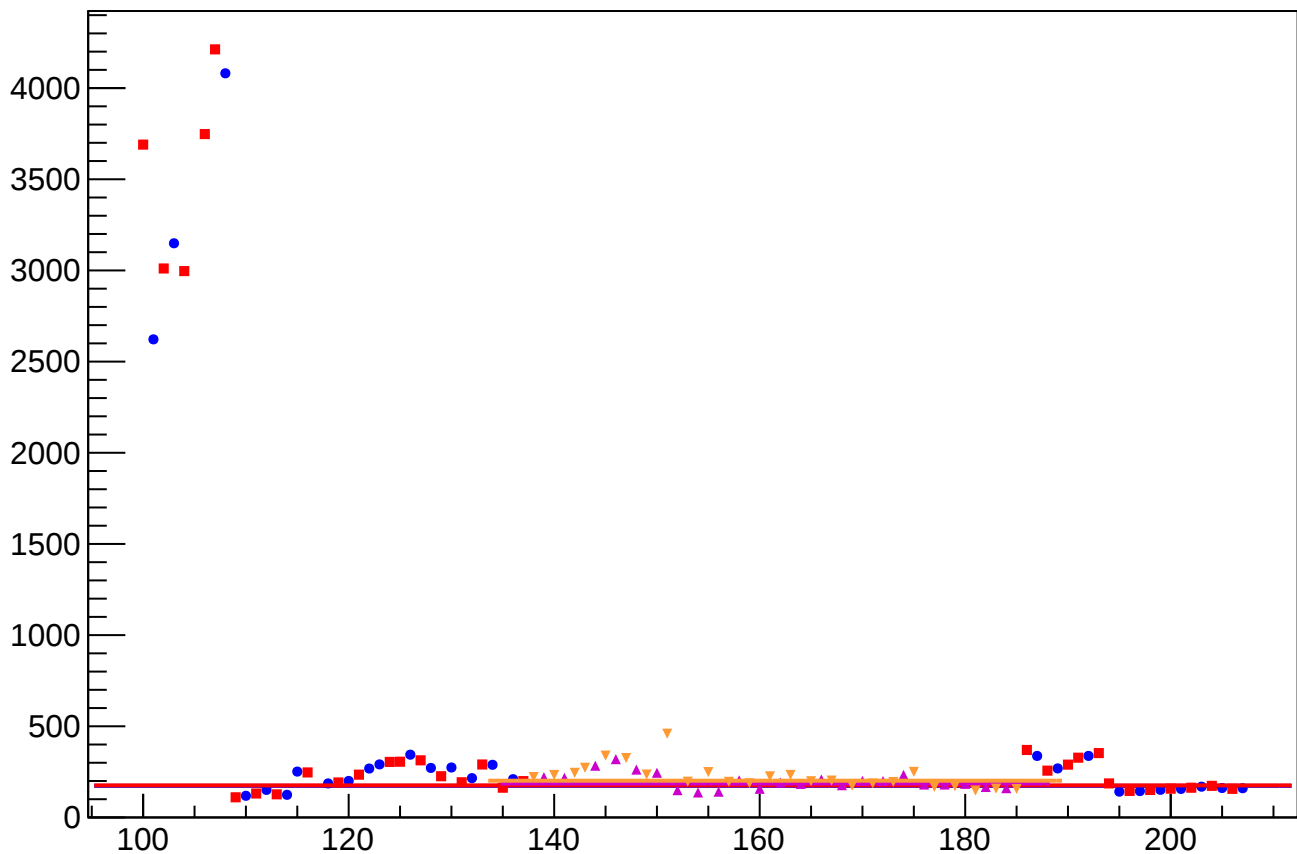
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -33.436 ± 35.343 χ^2/NDF : 29.9/51

All: -17.955 ± 24.620 χ^2/NDF : 56.6/105

- sign -3.363 ± 34.314 χ^2/NDF : 26.3/53

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 173.326+/-0.036 χ^2/NDF : 4469295.6/26

Left Out: 201.600+/-0.034 χ^2/NDF : 1857453.2/24

Right Out: 175.796+/-0.036 χ^2/NDF : 5292813.4/30

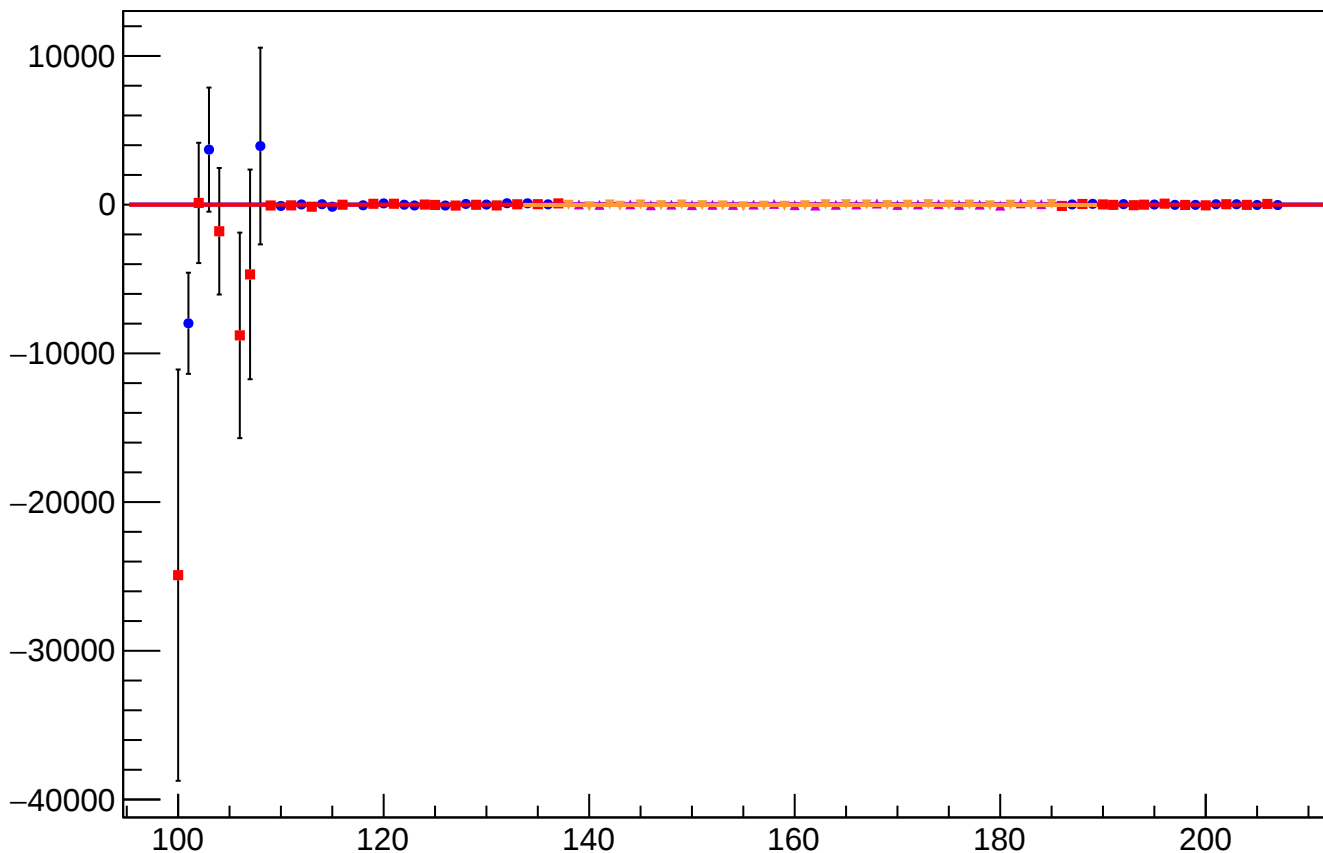
Left In: 186.107+/-0.033 χ^2/NDF : 1391327.2/22

+ sign 188.225+/-0.025 χ^2/NDF : 6645810.4/51

All: 184.735+/-0.017 χ^2/NDF : 13412564.8/10

- sign 181.445+/-0.024 χ^2/NDF : 6728870.4/53

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 7.470 ± 9.556 χ^2/NDF : 24.4/26

Left Out: -23.360 ± 8.064 χ^2/NDF : 25.8/24

Right Out: -0.596 ± 9.278 χ^2/NDF : 34.5/30

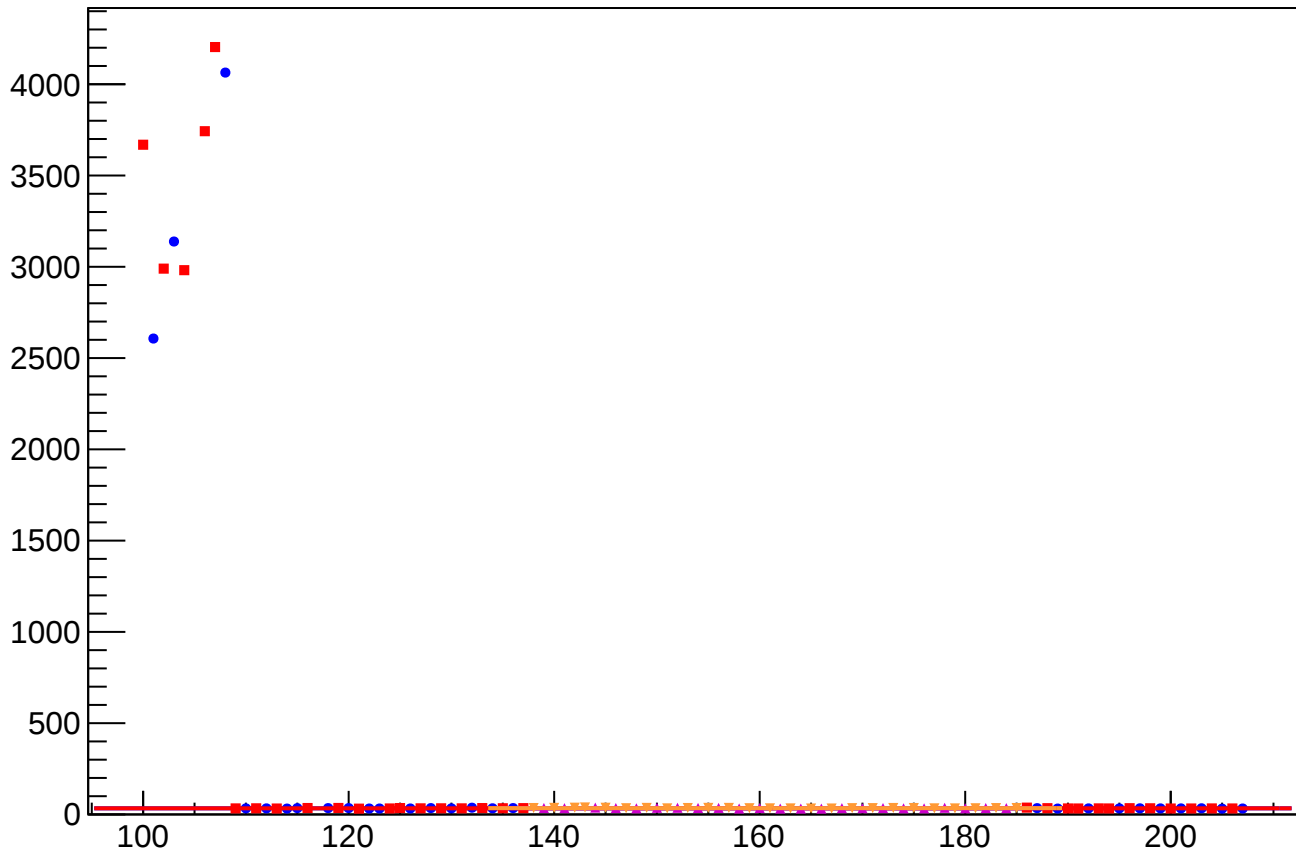
Left In: 6.001 ± 8.309 χ^2/NDF : 21.1/22

+ sign -10.536 ± 6.163 χ^2/NDF : 56.3/51

All: -3.765 ± 4.367 χ^2/NDF : 114.6/105

- sign 3.065 ± 6.190 χ^2/NDF : 55.9/53

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.497 $\pm$ 0.007 χ^2 /NDF: 3018942.3/26

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.623 $\pm$ 0.007 χ^2 /NDF: 3467551.3/30

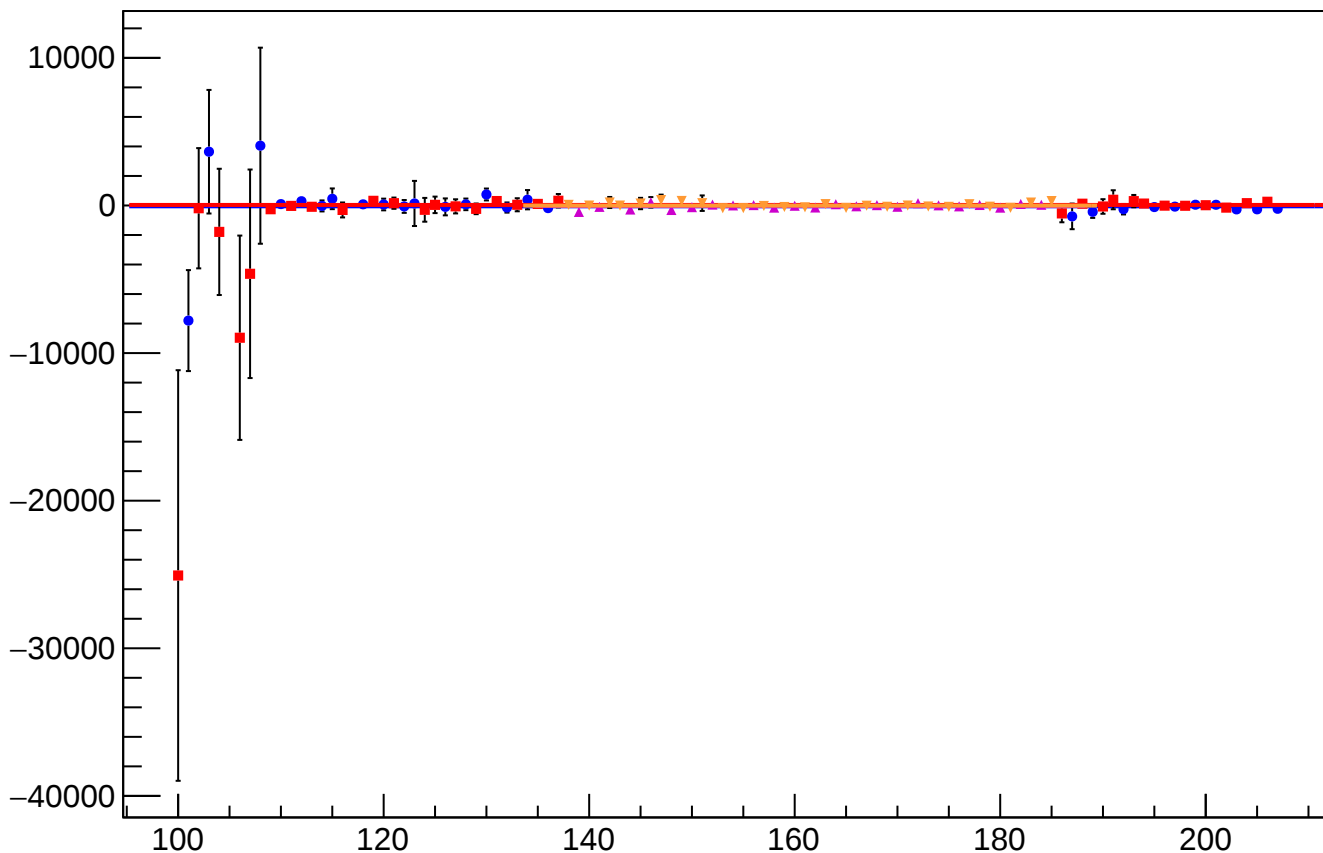
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.150 $\pm$ 0.004 χ^2 /NDF: 3092857.7/51

All: 34.181 $\pm$ 0.003 χ^2 /NDF: 6635378.7/105

- sign 34.212 $\pm$ 0.004 χ^2 /NDF: 3542418.2/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -56.096 $\pm$ 51.236 χ^2 /NDF: 21.2/26

Left Out: -8.916 $\pm$ 48.615 χ^2 /NDF: 8.6/24

Right Out: 36.562 $\pm$ 50.833 χ^2 /NDF: 16.3/30

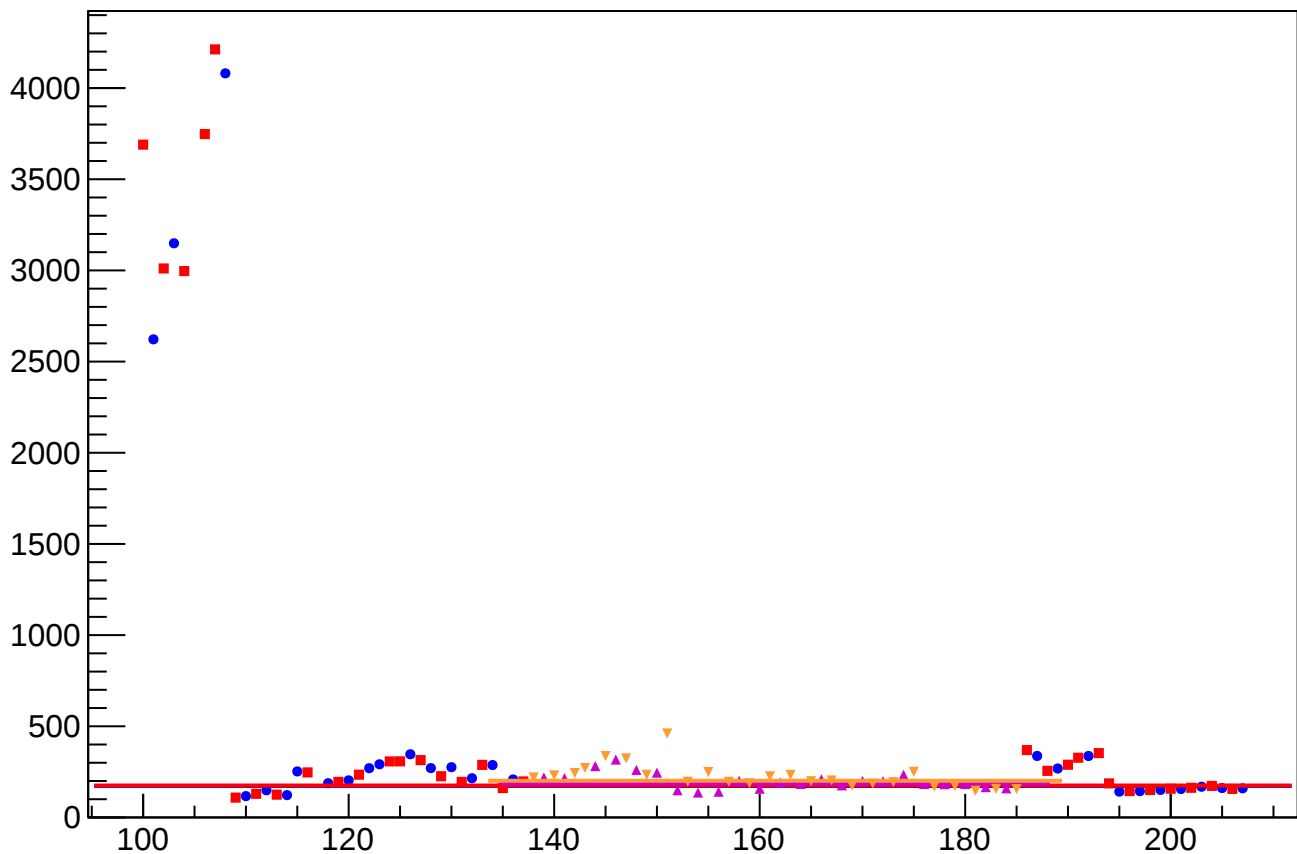
Left In: -34.127 $\pm$ 46.296 χ^2 /NDF: 7.4/22

+ sign -31.268 $\pm$ 35.266 χ^2 /NDF: 30.3/51

All: -16.237 $\pm$ 24.562 χ^2 /NDF: 55.4/105

- sign -2.077 $\pm$ 34.228 χ^2 /NDF: 24.7/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 172.720 $\pm$ 0.036 χ^2 /NDF: 4498181.2/26

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 174.923 $\pm$ 0.036 χ^2 /NDF: 5341665.9/30

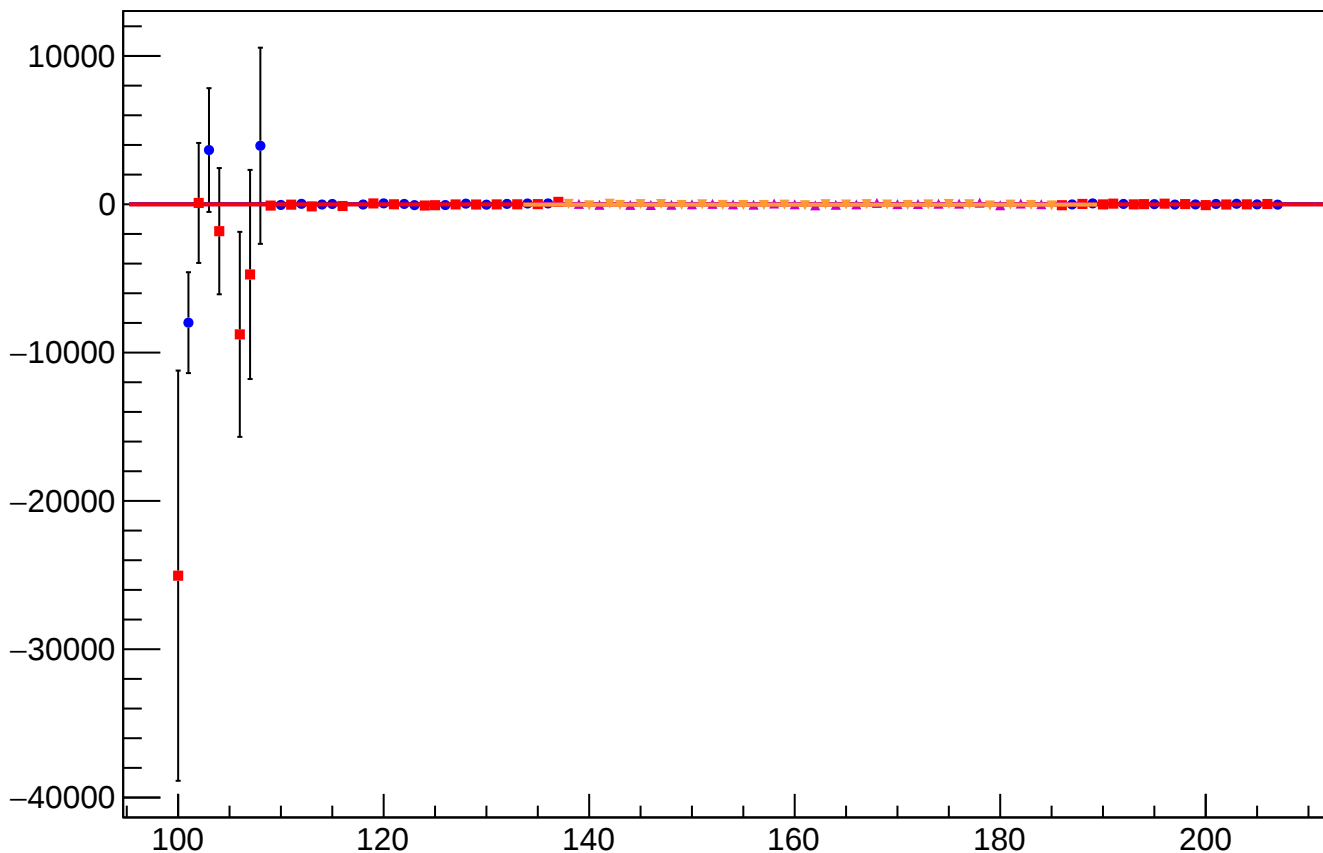
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 187.758 $\pm$ 0.025 χ^2 /NDF: 6676698.3/51

All: 184.225 $\pm$ 0.017 χ^2 /NDF: 13489656.6/10

- sign 180.898 $\pm$ 0.024 χ^2 /NDF: 6773988.3/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 8.745 $\pm$ 8.650 χ^2 /NDF: 19.3/26

Left Out: -22.879 $\pm$ 7.340 χ^2 /NDF:18.8/24

Right Out: -7.372 $\pm$ 8.404 χ^2 /NDF: 37.3/30

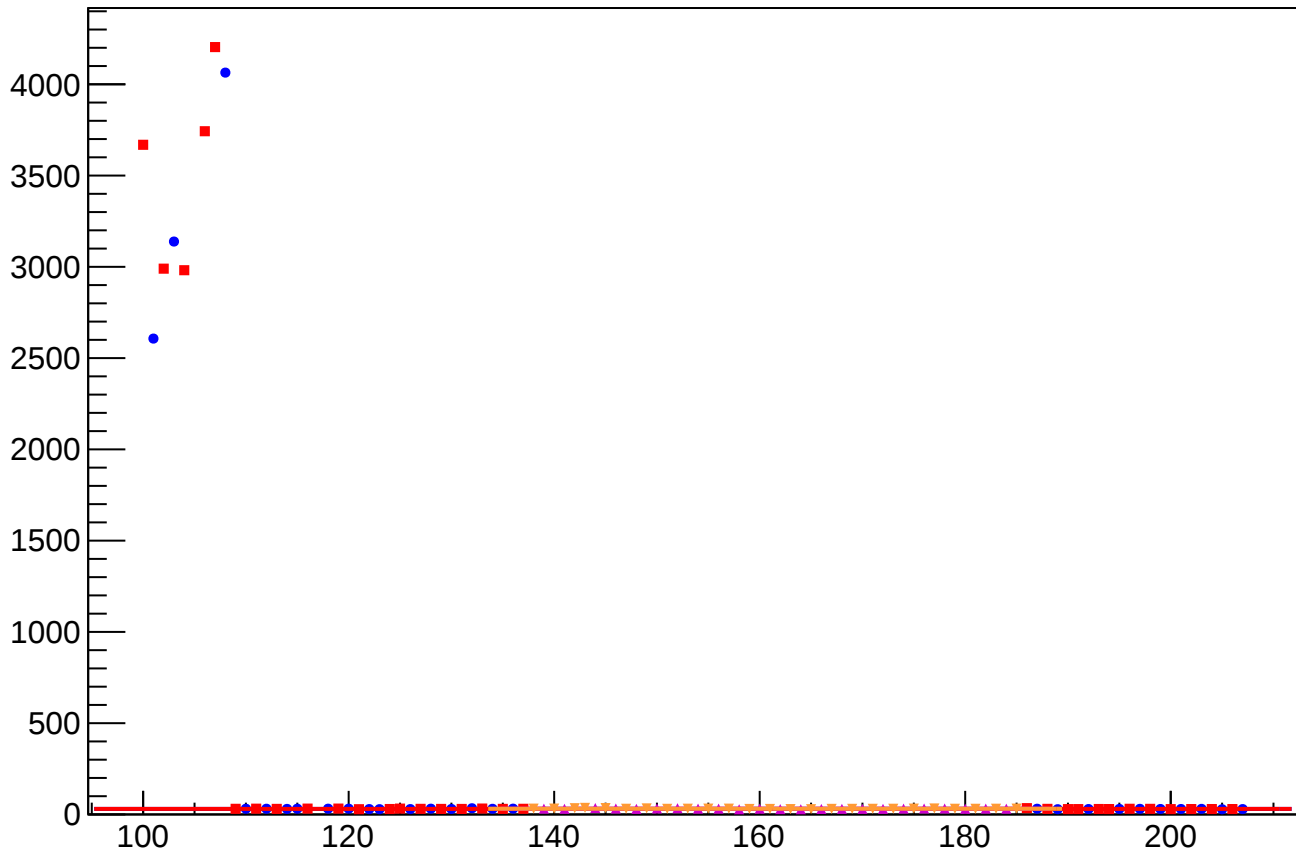
Left In: 5.943 $\pm$ 7.550 χ^2 /NDF:38.3/22

+ sign -9.641 $\pm$ 5.597 χ^2 /NDF: 45.8/51

All: -4.839 $\pm$ 3.964 χ^2 /NDF: 124.3/105

- sign -0.003 $\pm$ 5.616 χ^2 /NDF: 77.0/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.312 $\pm$ 0.006 χ^2 /NDF: 3036413.6/26

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.431 $\pm$ 0.006 χ^2 /NDF: 3483907.8/30

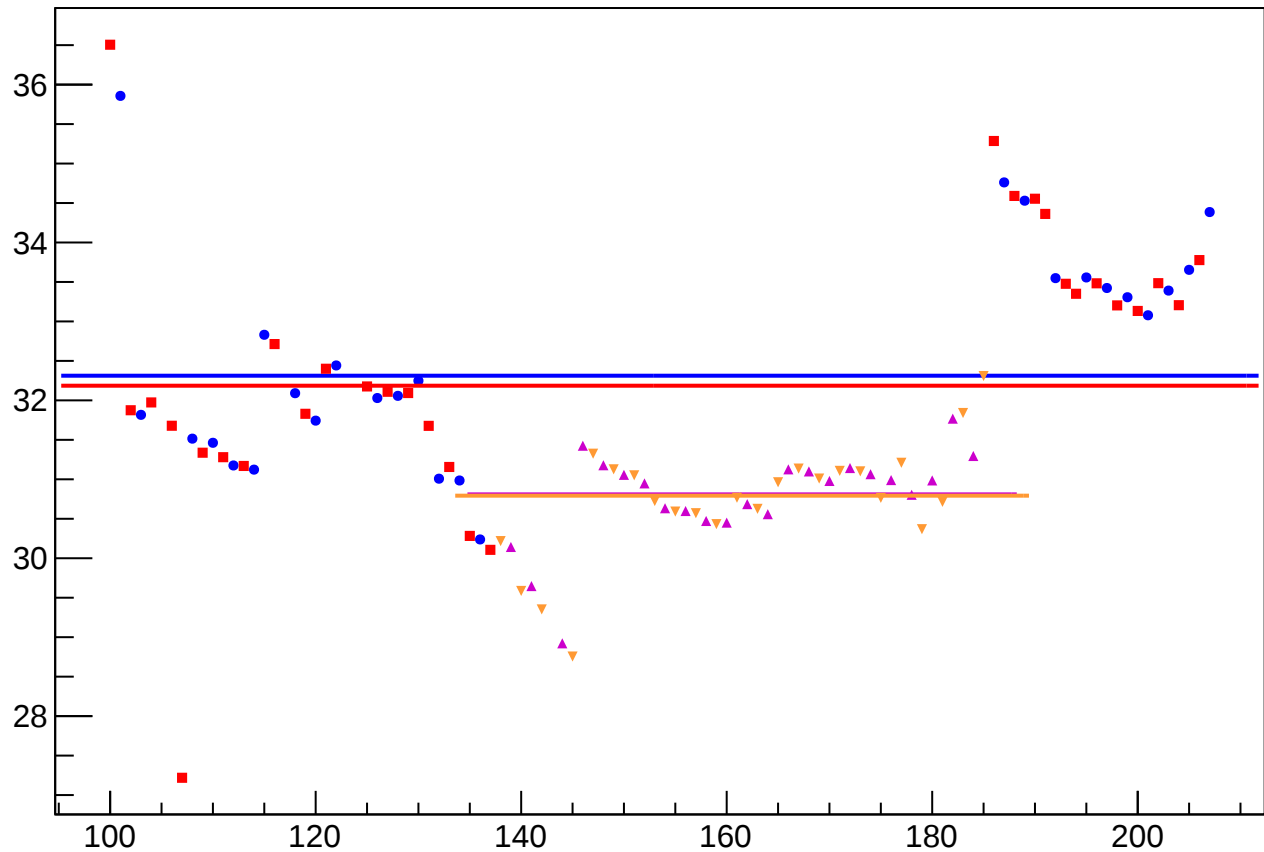
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 30.992 $\pm$ 0.004 χ^2 /NDF: 3140114.6/51

All: 31.003 $\pm$ 0.003 χ^2 /NDF: 6729423.2/105

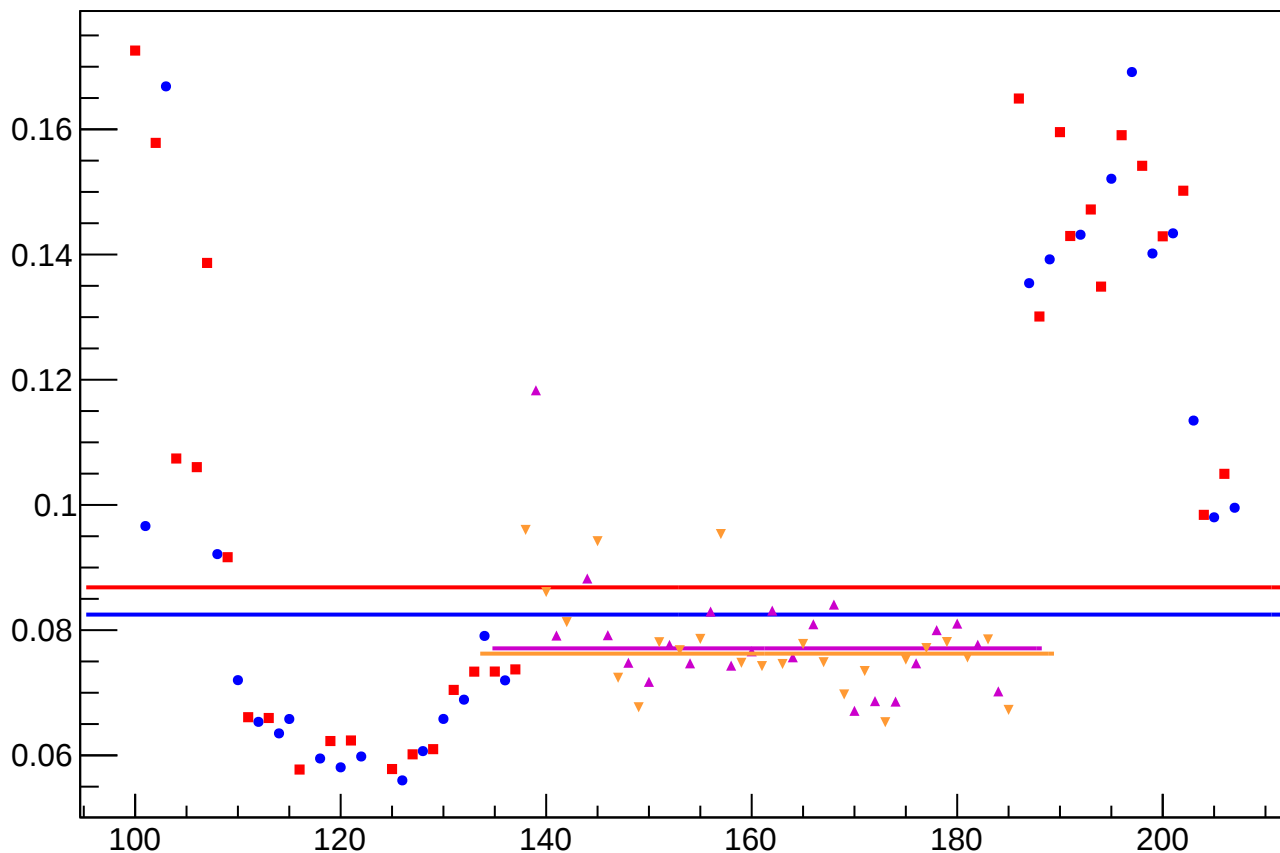
- sign 31.014 $\pm$ 0.004 χ^2 /NDF: 3589293.5/53

yield_usl_mean vs Slug



Right In: 32.312+/-0.000	χ^2/NDF : 2779525607.2/25	+ sign 31.367+/-0.000	χ^2/NDF : 6194172519.3/49
Left Out: 30.793+/-0.000	χ^2/NDF : 1007261340.7/23	All: 31.349+/-0.000	χ^2/NDF : 11266775755.6
Right Out: 32.186+/-0.000	χ^2/NDF : 2332287518.2/29	- sign 31.331+/-0.000	χ^2/NDF : 5069856761.2/52
Left In: 30.809+/-0.000	χ^2/NDF : 821961762.3/22		

yield_usl_rms vs Slug



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 3119967.0/25

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:277876.5/23

Right Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 3605774.3/29

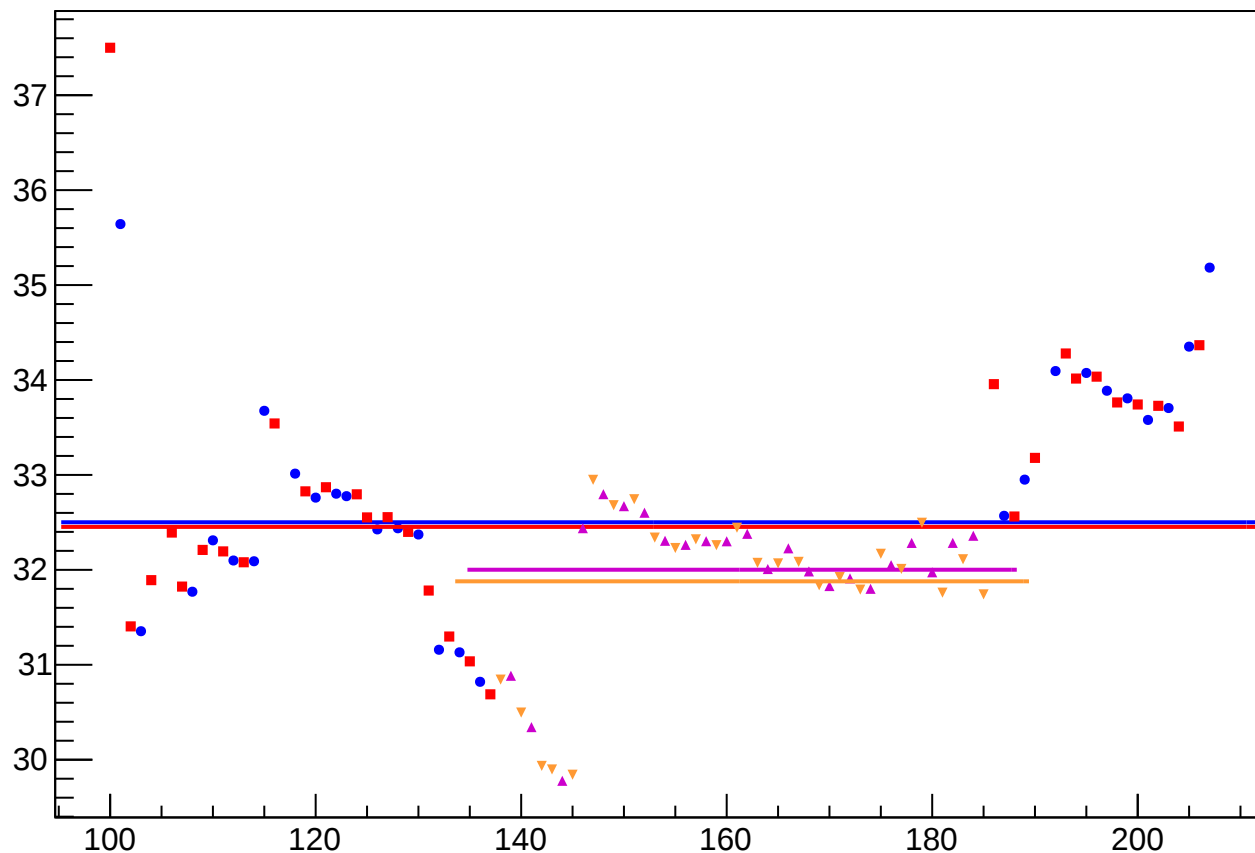
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 3478956.3/49

All: 0.080 $\pm$ 0.000 χ^2 /NDF: 7623364.9/102

- sign 0.081 $\pm$ 0.000 χ^2 /NDF: 4123640.9/52

yield_usr_mean vs Slug



Right In: 32.501 $\pm$ 0.000 χ^2 /NDF: 1500888545.9/26

Left Out: 31.879 $\pm$ 0.000 χ^2 /NDF:1976281391.1/24

Right Out: 32.452 $\pm$ 0.000 χ^2 /NDF: 862401173.5/29

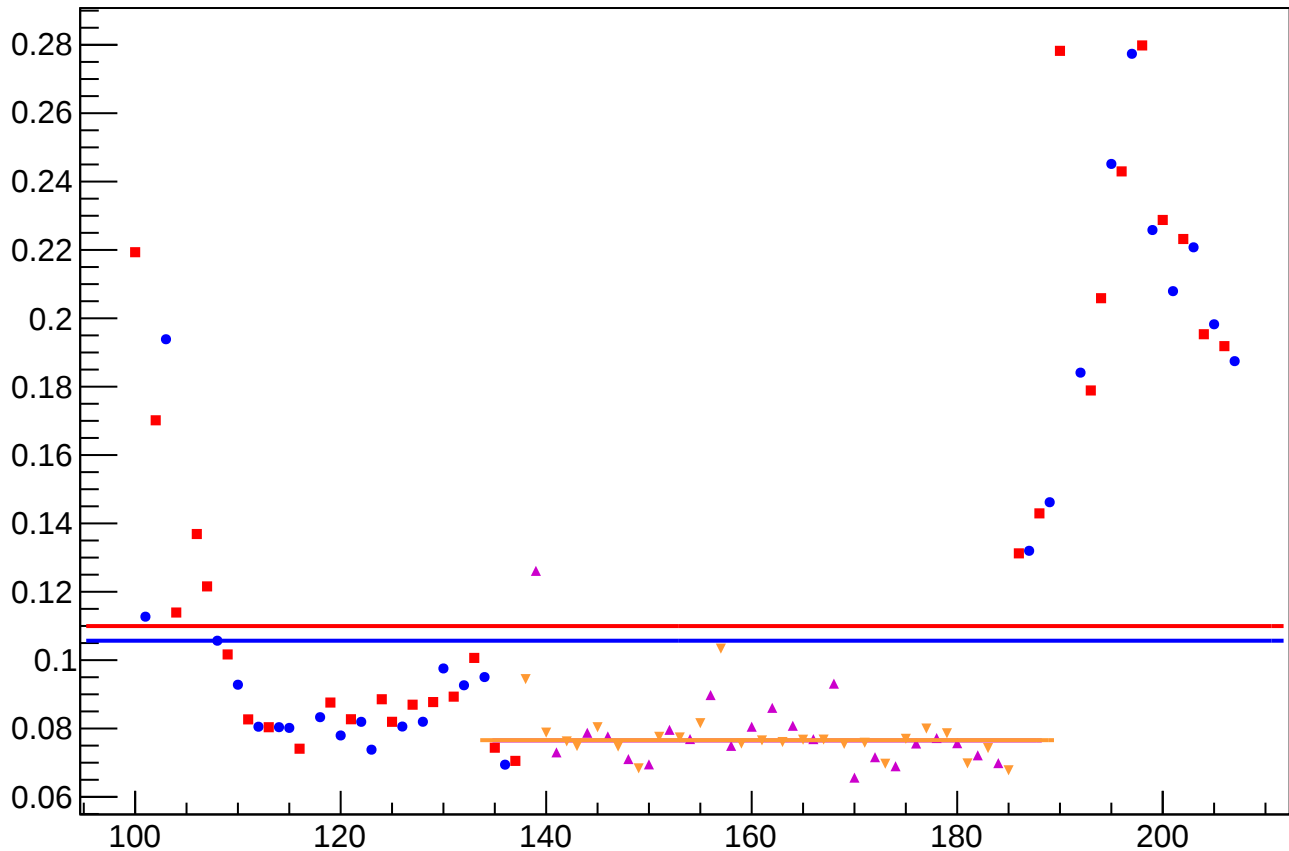
Left In: 32.001 $\pm$ 0.000 χ^2 /NDF:1411110671.9/22

+ sign 32.034 $\pm$ 0.000 χ^2 /NDF: 3753632031.3/51

All: 32.075 $\pm$ 0.000 χ^2 /NDF: 6185372748.1/100

- sign 32.118 $\pm$ 0.000 χ^2 /NDF: 2418287873.7/52

yield_usr_rms vs Slug



Right In: 0.106+/-0.000 χ^2/NDF : 4506392.9/26

Left Out: 0.077+/-0.000 χ^2/NDF : 209648.5/24

Right Out: 0.110+/-0.000 χ^2/NDF : 4376815.9/29

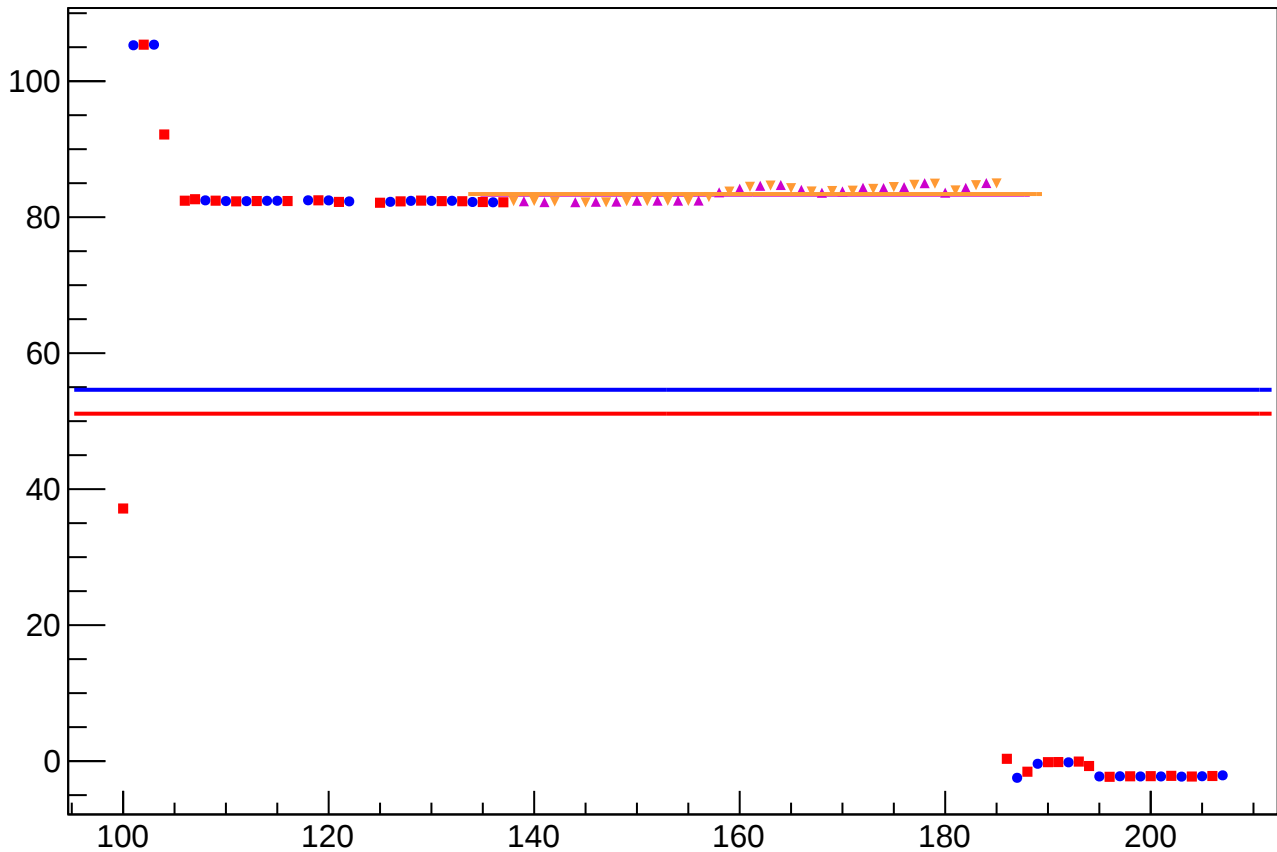
Left In: 0.076+/-0.000 χ^2/NDF : 432563.3/22

+ sign 0.084+/-0.000 χ^2/NDF : 5925311.5/51

All: 0.084+/-0.000 χ^2/NDF : 12335176.6/104

- sign 0.085+/-0.000 χ^2/NDF : 6403005.2/52

yield_dsl_mean vs Slug



Right In: 54.615+/-0.000 χ^2/NDF : 10853512434400.4/25

Left Out: 83.402+/-0.000 χ^2/NDF : 8756634444.3/23

Right Out: 51.099+/-0.000 χ^2/NDF : 11528413992773.5/29

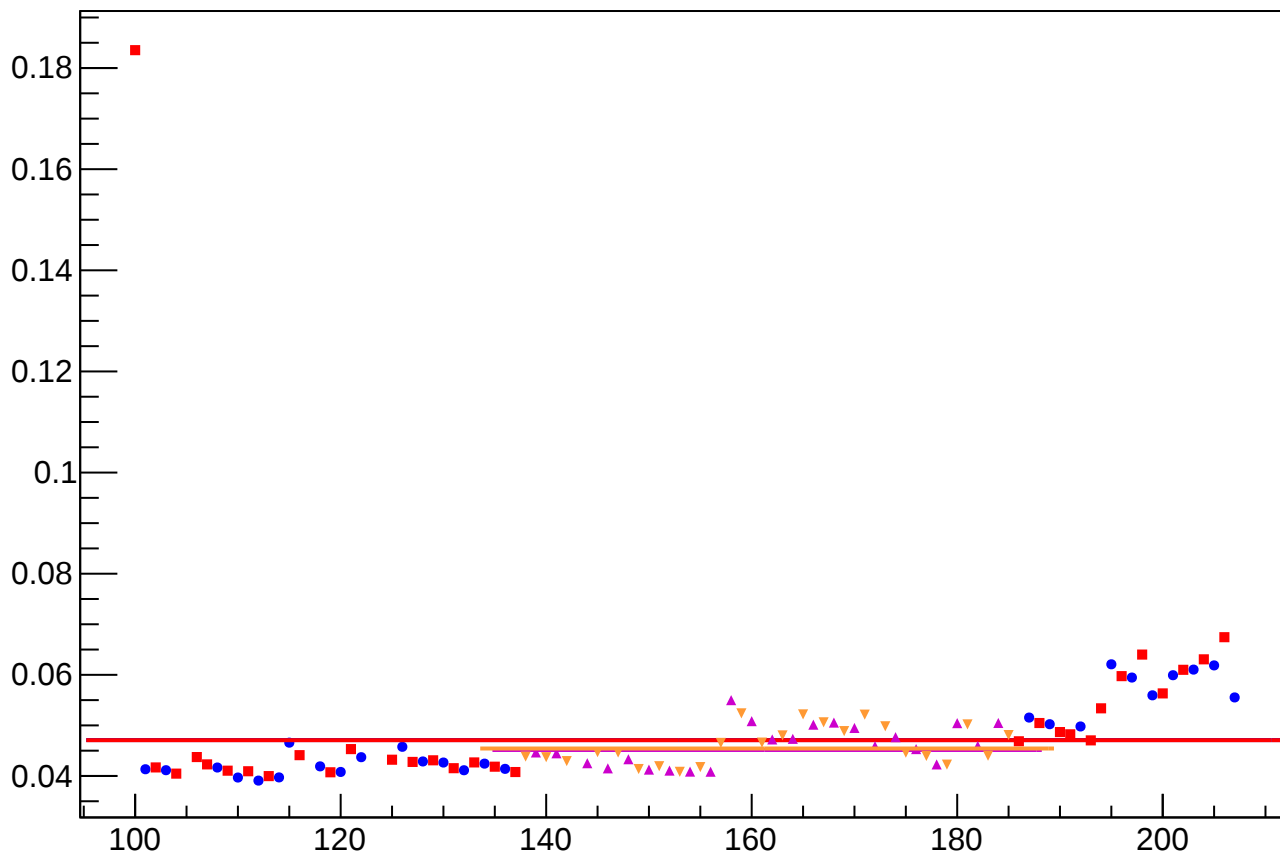
Left In: 83.309+/-0.000 χ^2/NDF : 8421247810.9/22

+ sign 71.450+/-0.000 χ^2/NDF : 13713567085048.5

All: 70.353+/-0.000 χ^2/NDF : 2903824167941

- sign 69.298+/-0.000 χ^2/NDF : 15291228844350.2

yield_dsl_rms vs Slug



Right In: 0.047+/-0.000 χ^2/NDF : 714264.2/25

Left Out: 0.045+/-0.000 χ^2/NDF : 206685.9/23

Right Out: 0.047+/-0.000 χ^2/NDF : 842763.5/29

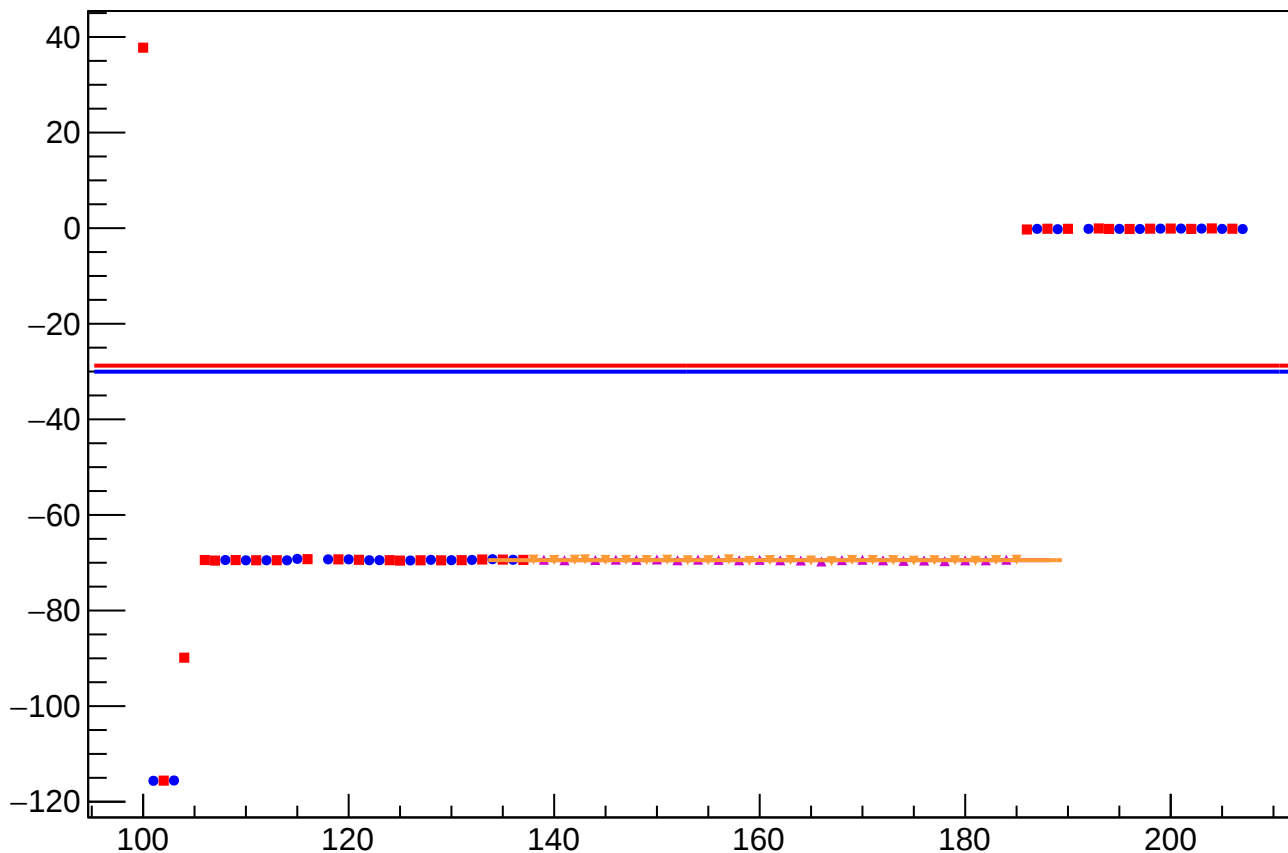
Left In: 0.045+/-0.000 χ^2/NDF : 242885.4/22

+ sign 0.046+/-0.000 χ^2/NDF : 940153.4/49

All: 0.046+/-0.000 χ^2/NDF : 2053137.7/102

- sign 0.046+/-0.000 χ^2/NDF : 1112700.1/52

yield_dsr_mean vs Slug



Right In: -30.026 ± 0.000 χ^2/NDF : 7479127488195.0/26

Left Out: -69.461 ± 0.000 χ^2/NDF : 49572401.9/24

Right Out: -28.760 ± 0.000 χ^2/NDF : 7325679650625.8/29

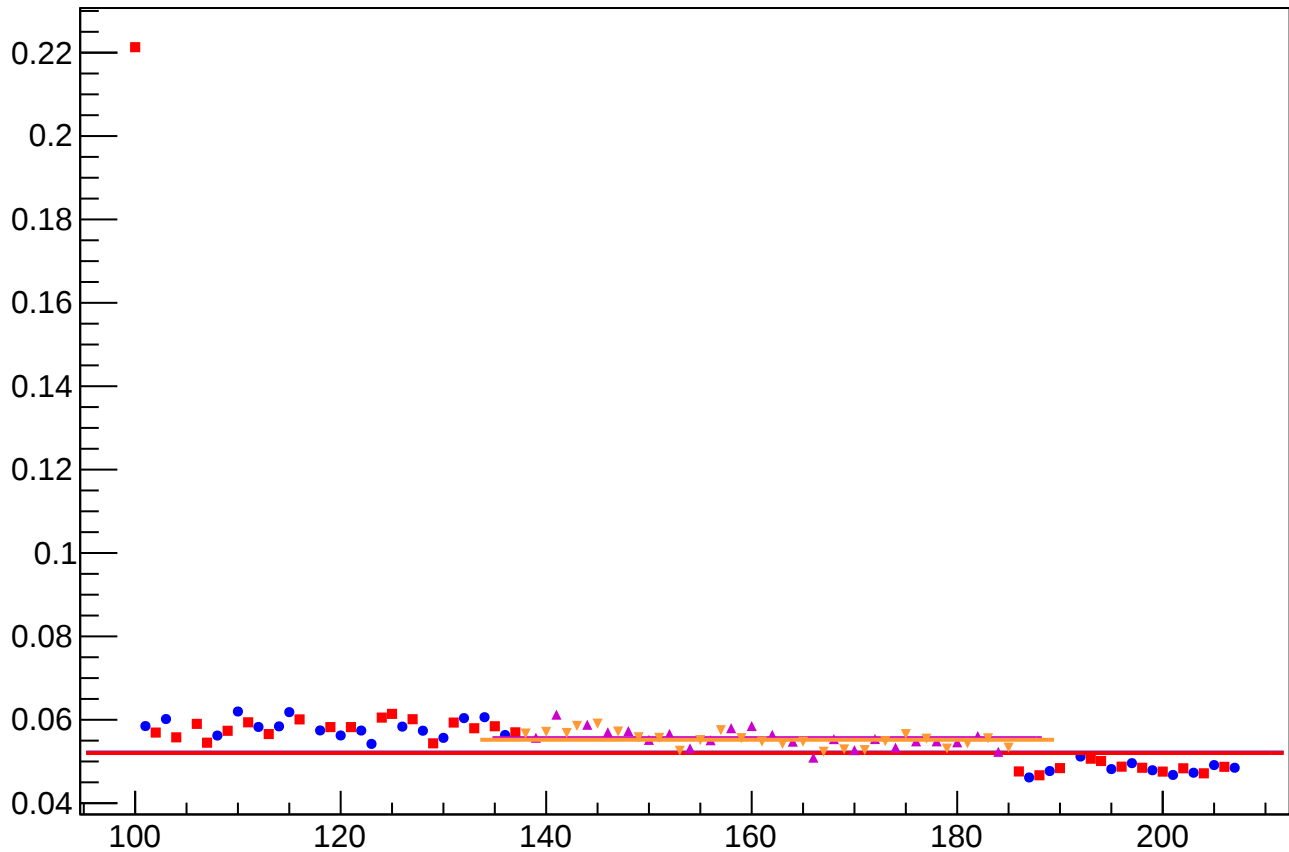
Left In: -69.458 ± 0.000 χ^2/NDF : 52798704.3/22

+ sign -51.425 ± 0.000 χ^2/NDF : 11625951034057.1

All: -50.406 ± 0.000 χ^2/NDF : 234256903540

- sign -49.388 ± 0.000 χ^2/NDF : 11777427792757.1

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 235450.6/26

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 322744.9/29

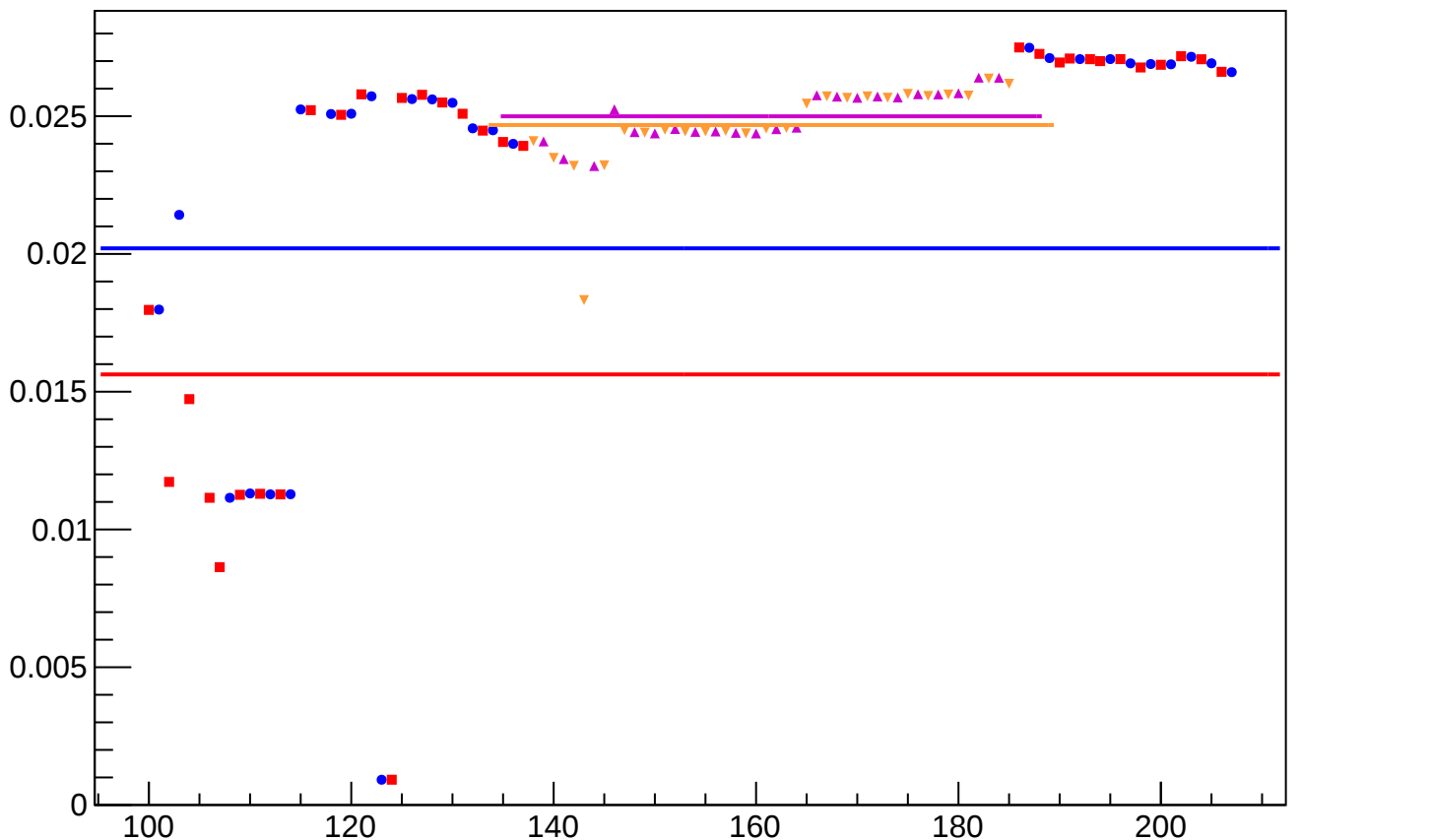
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 324652.1/51

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 767598.5/104

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 442931.7/52

yield_atl1_mean vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 181695459675.0/26

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 396330384962.0/30

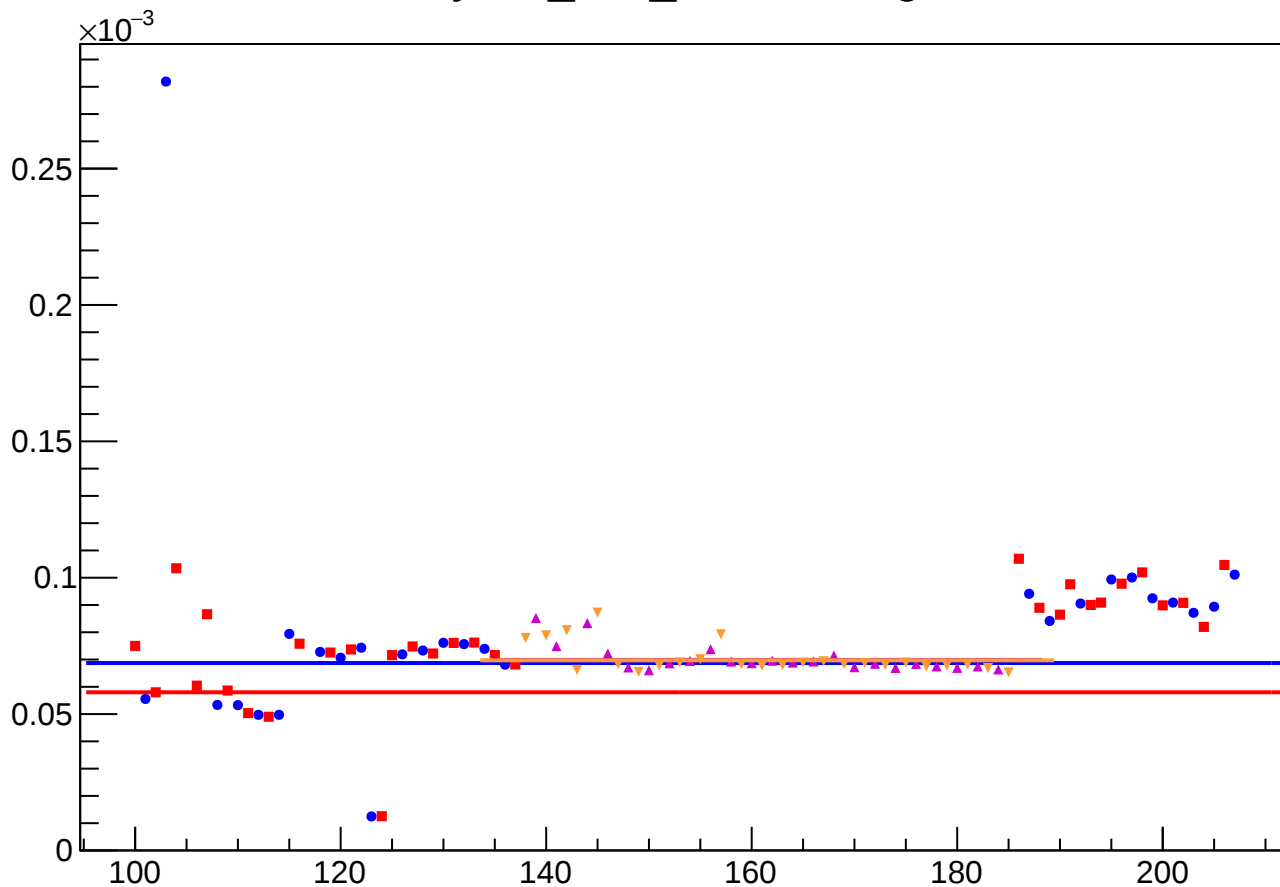
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 221223437778.5/51

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 788646496975.1

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 548357397886.6/53

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3434279.6/26

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6705716.0/30

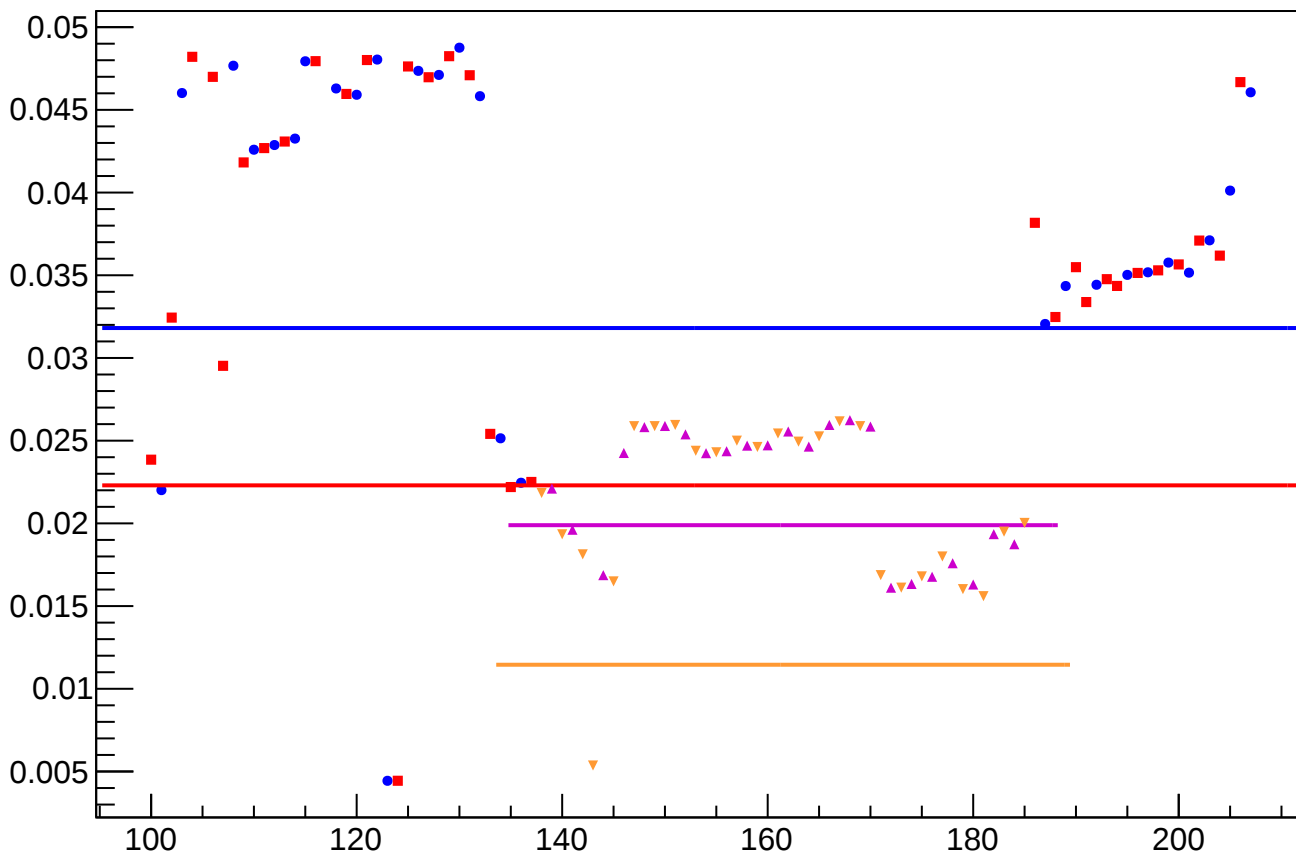
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 3595375.0/51

All: 0.000+/-0.000 χ^2/NDF : 11085795.6/105

- sign 0.000+/-0.000 χ^2/NDF : 7314649.7/53

yield_atl2_mean vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 21740109940.4/26

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 40294472965.0/24

Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 44280788675.8/30

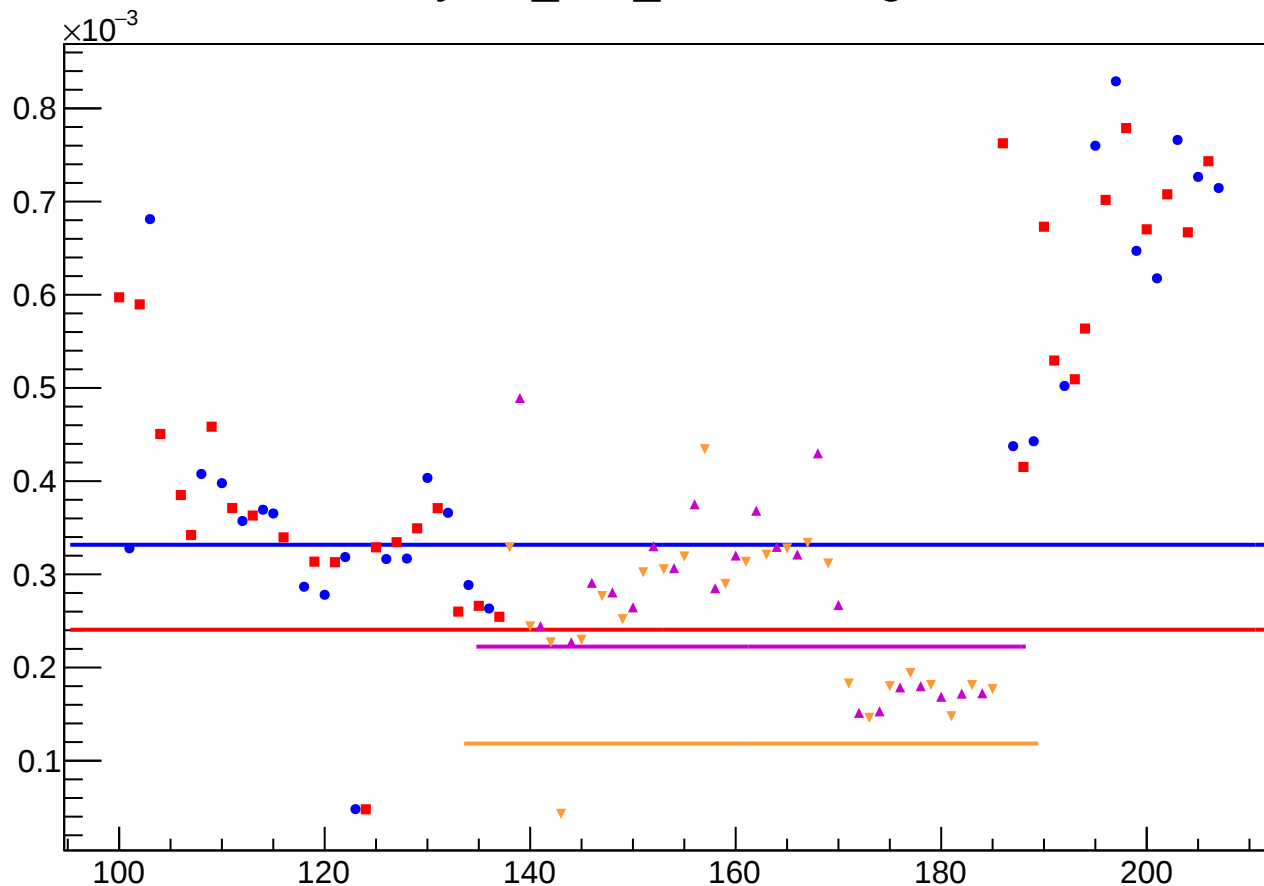
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 94327707531.0/51

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 157310184522.9

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 49282919276.8/53

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 6413771.5/26

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11972573.7/30

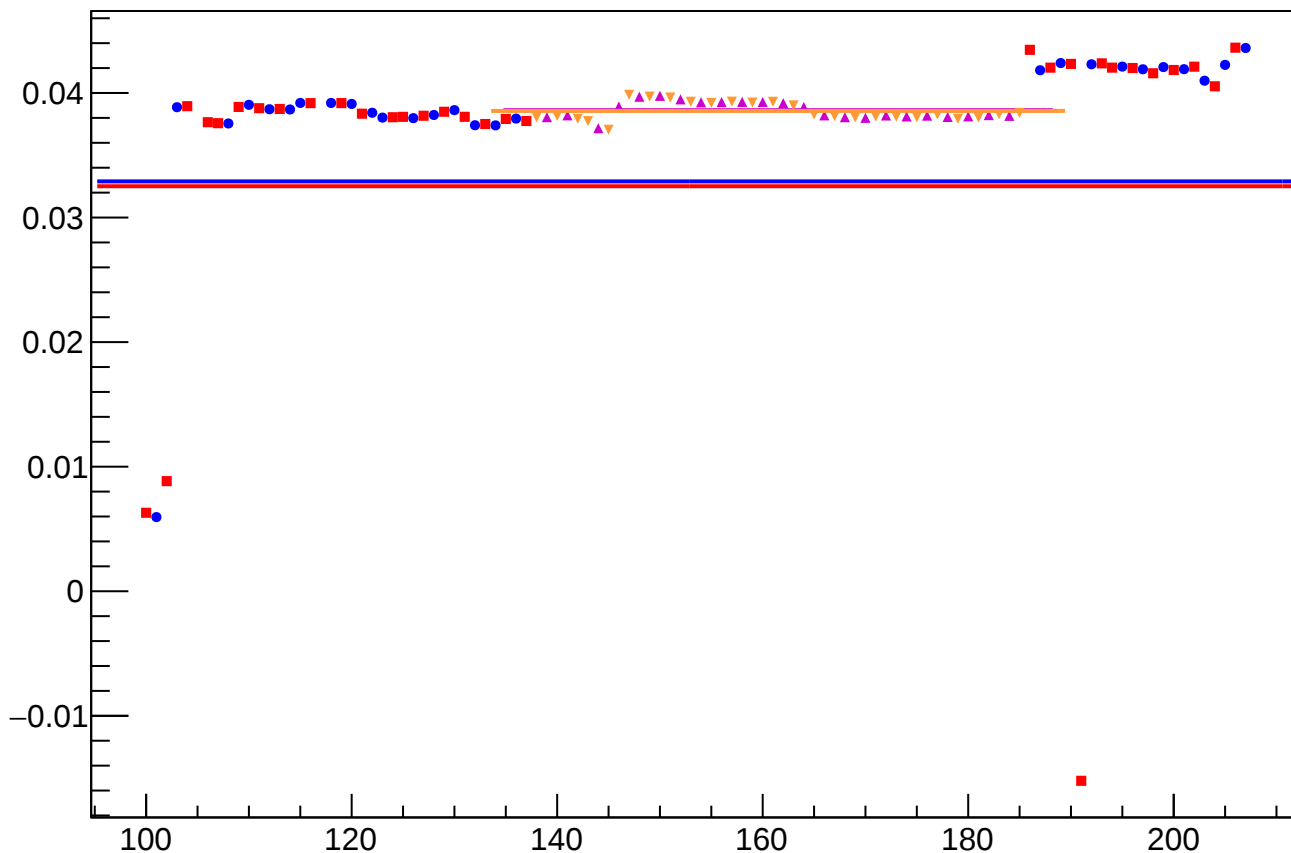
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 27069018.3/51

All: 0.000+/-0.000 χ^2/NDF : 46589200.3/105

- sign 0.000+/-0.000 χ^2/NDF : 15315469.8/53

yield_atr1_mean vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 115471947807.2/26

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 181029816564.9/30

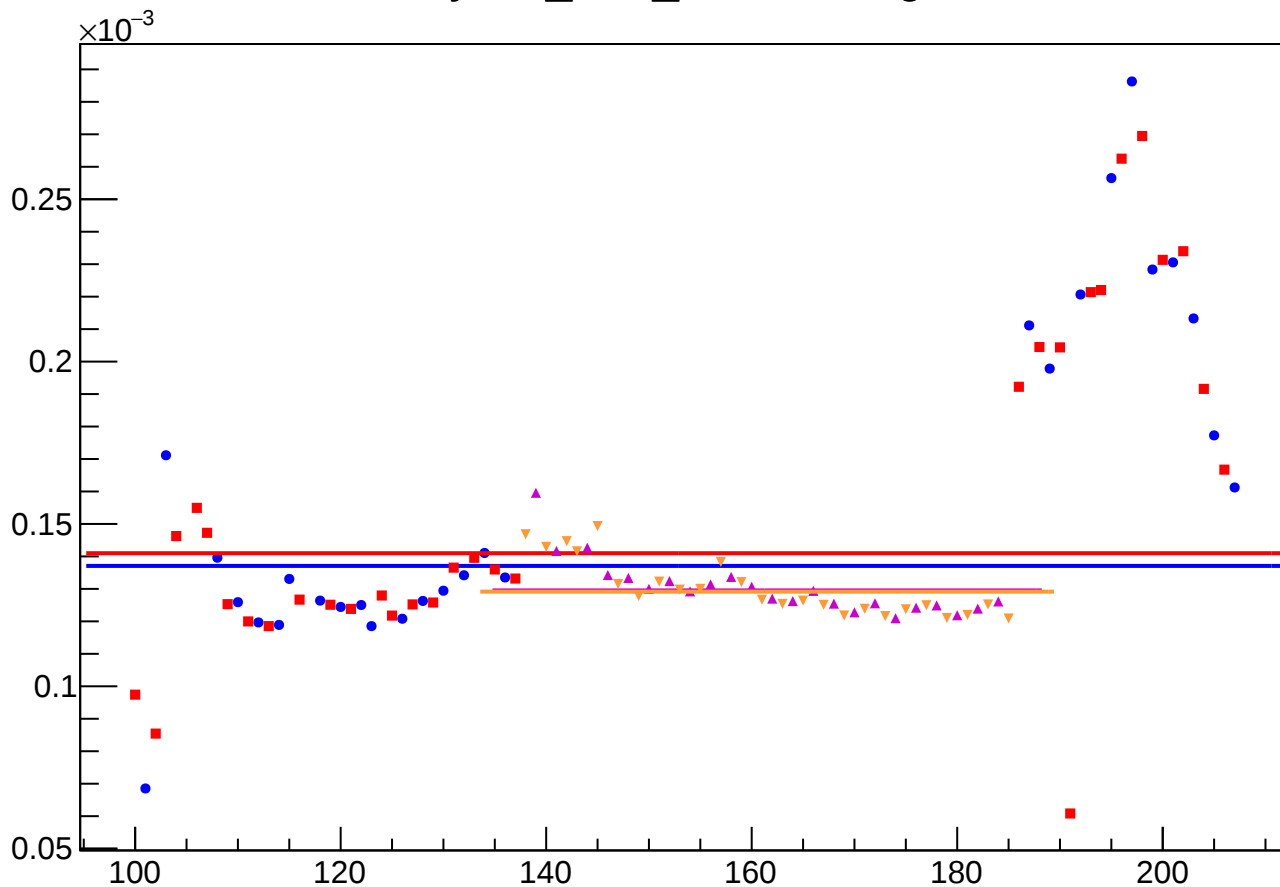
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 128718796343.9/51

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 325064120862.8

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 196295376843.9/53

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3215985.6/26

Left Out: 0.000+/-0.000 χ^2/NDF :130321.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3074281.1/30

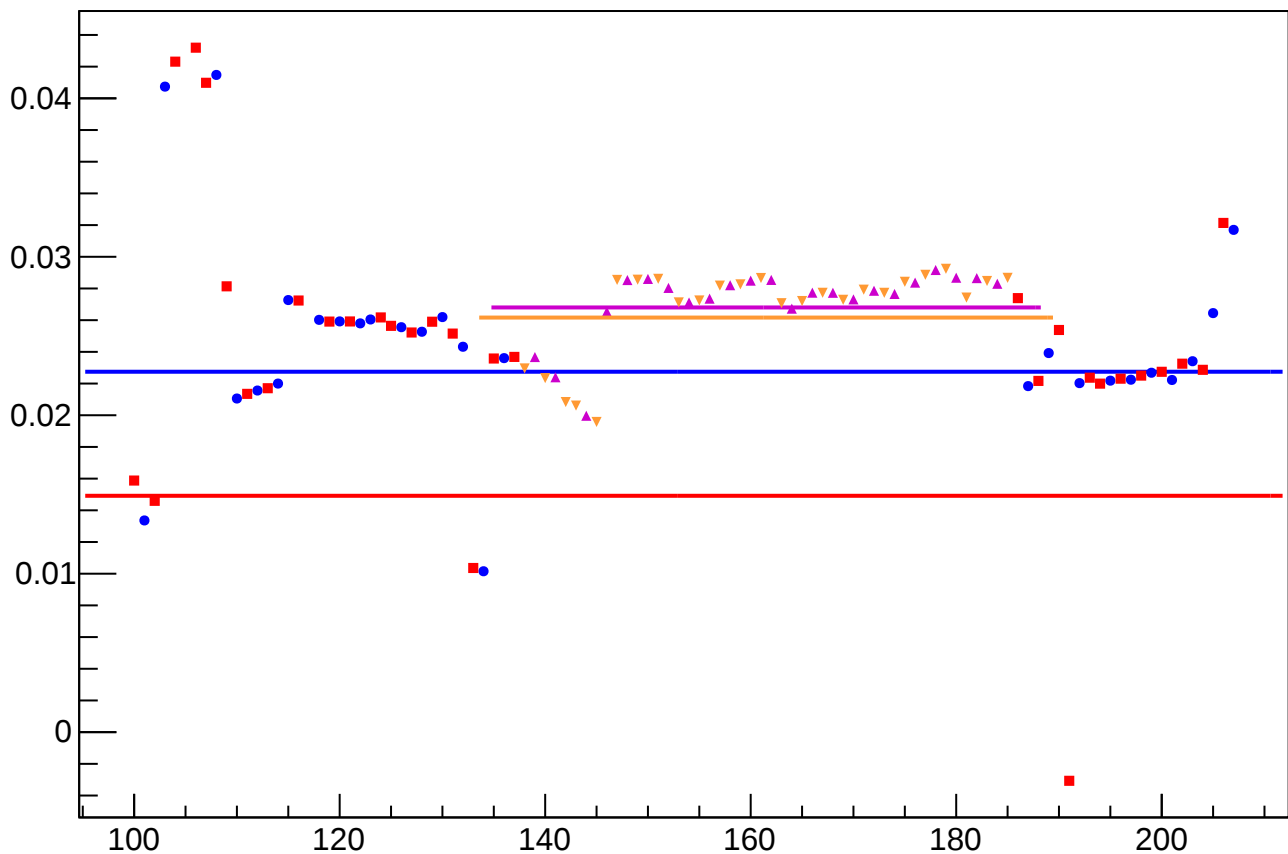
Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 3396171.5/51

All: 0.000+/-0.000 χ^2/NDF : 6695895.0/105

- sign 0.000+/-0.000 χ^2/NDF : 3293384.7/53

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4401543739.0/26

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 31542624087.9/30

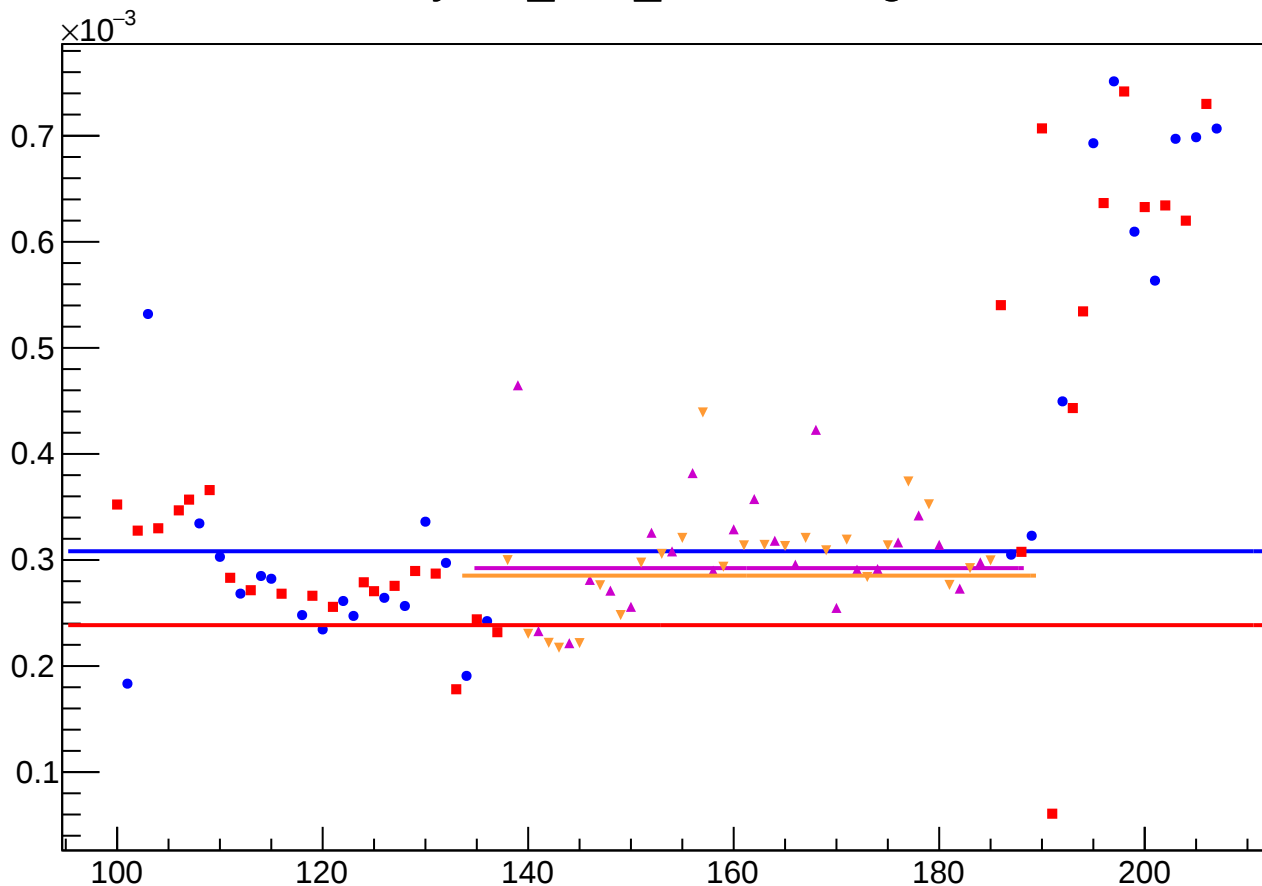
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7295721324.6/51

All: 0.023+/-0.000 χ^2/NDF : 54807317624.6/1

- sign 0.021+/-0.000 χ^2/NDF : 45186136980.1/53

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4474298.1/26

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8939526.7/30

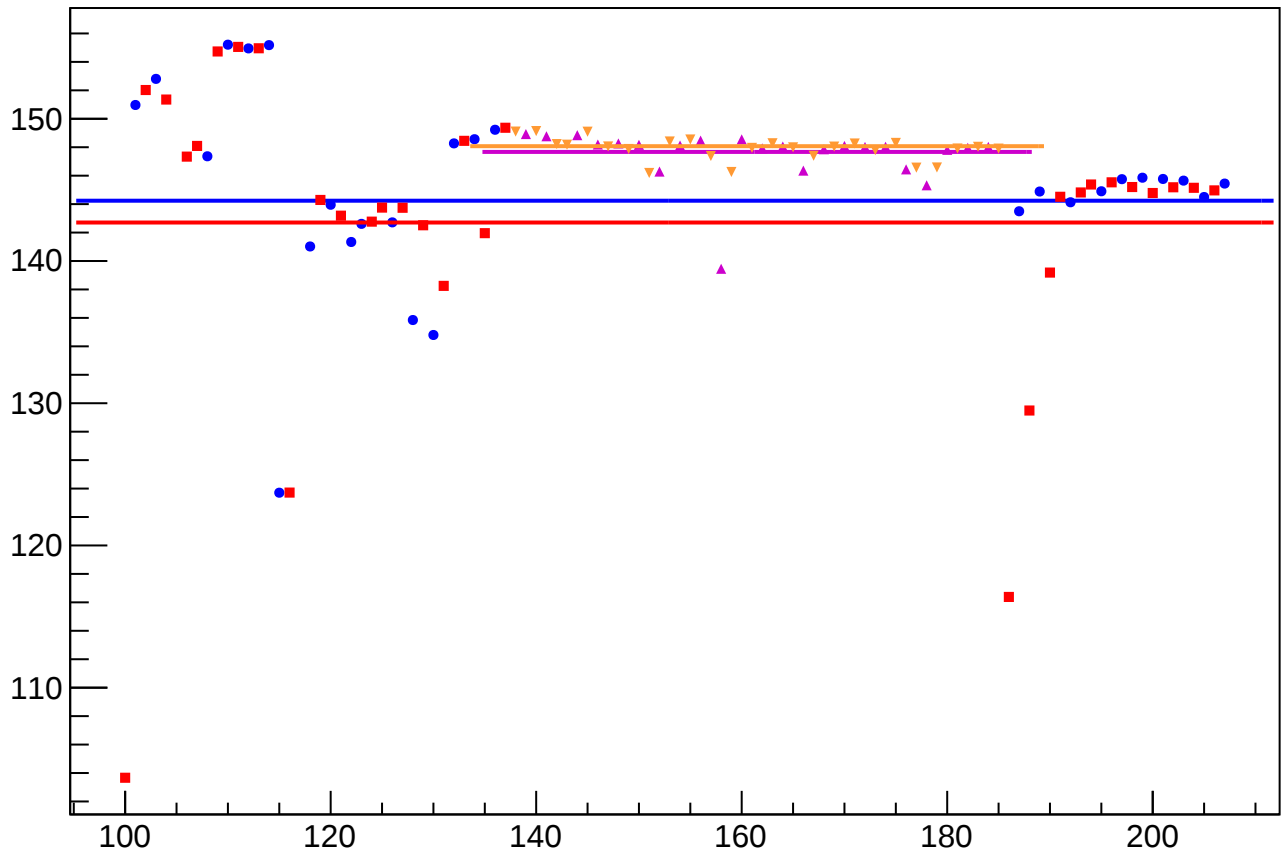
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5363438.2/51

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 15937213.0/105

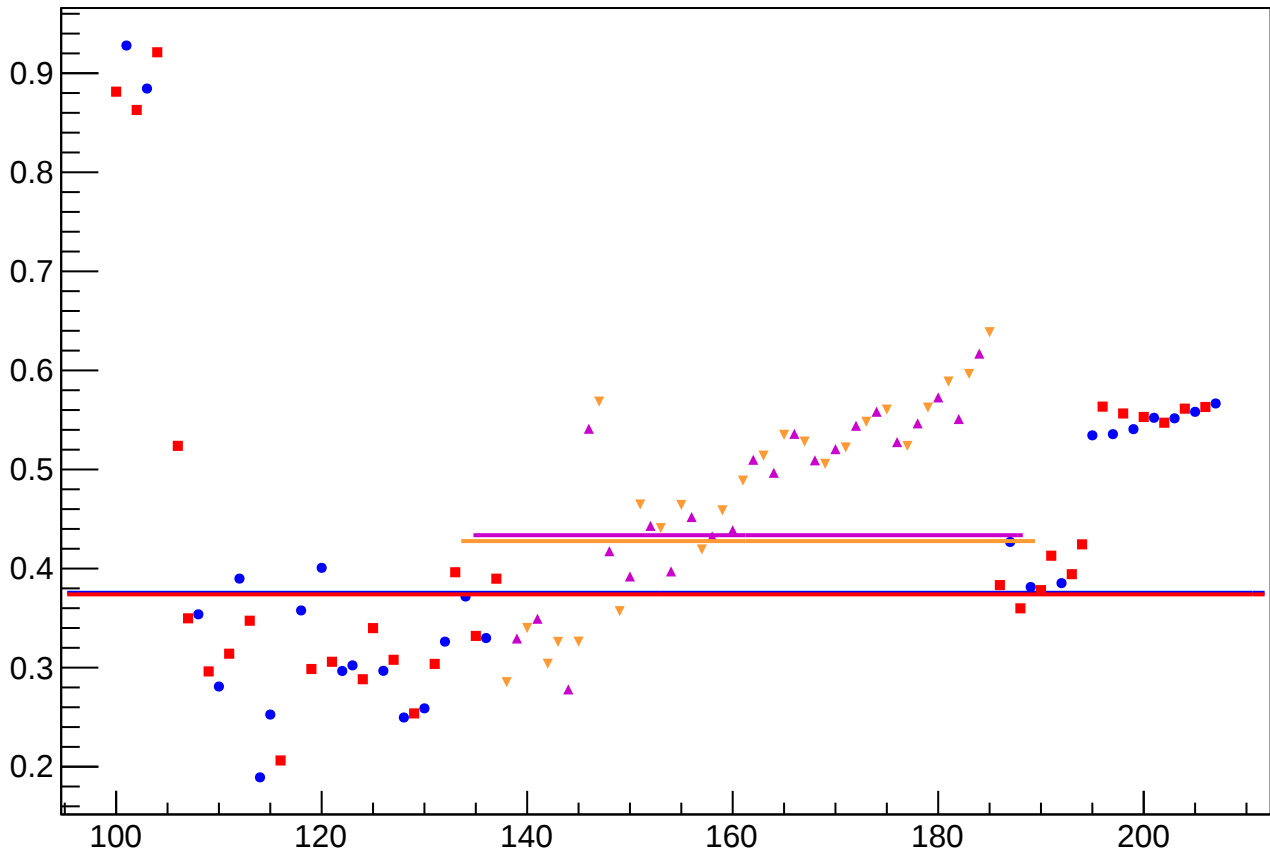
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10342392.3/53

yield_bcm_an_ds_mean vs Slug



Right In: 144.240 $\pm$ 0.000	χ^2 /NDF: 3489394489.5/26	+ sign 146.266 $\pm$ 0.000	χ^2 /NDF: 4197752956.5/51
Left Out: 148.073 $\pm$ 0.000	χ^2 /NDF: 65614067.4/24	All: 145.677 $\pm$ 0.000	χ^2 /NDF: 13173920888.
Right Out: 142.706 $\pm$ 0.000	χ^2 /NDF: 7407260585.5/30	- sign 145.100 $\pm$ 0.000	χ^2 /NDF: 8855611211.3/53
Left In: 147.670 $\pm$ 0.000	χ^2 /NDF: 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.376 $\pm$ 0.000 χ^2 /NDF: 2733637.8/26

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1896808.7/24

Right Out: 0.374 $\pm$ 0.000 χ^2 /NDF: 2536452.8/30

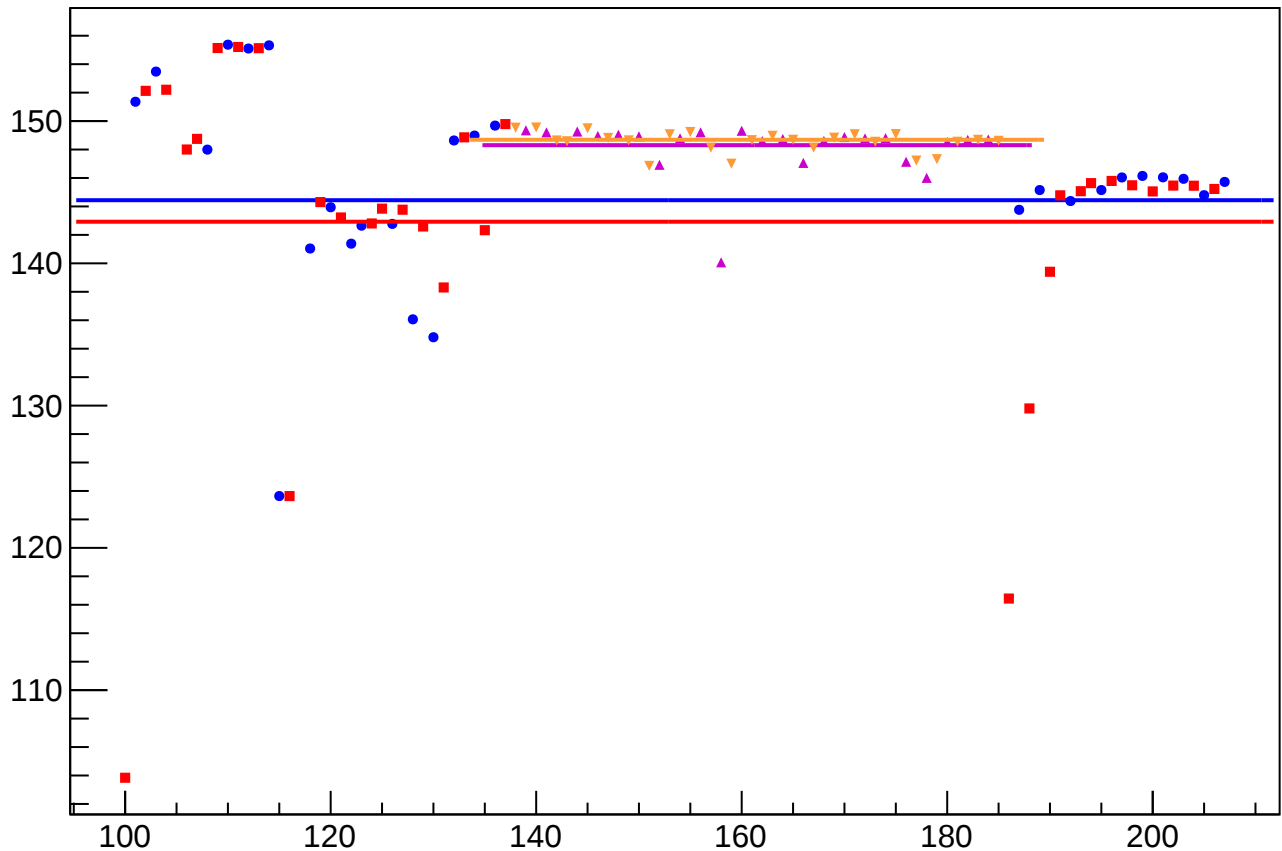
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.403 $\pm$ 0.000 χ^2 /NDF: 4868642.0/51

All: 0.403 $\pm$ 0.000 χ^2 /NDF: 9220980.6/105

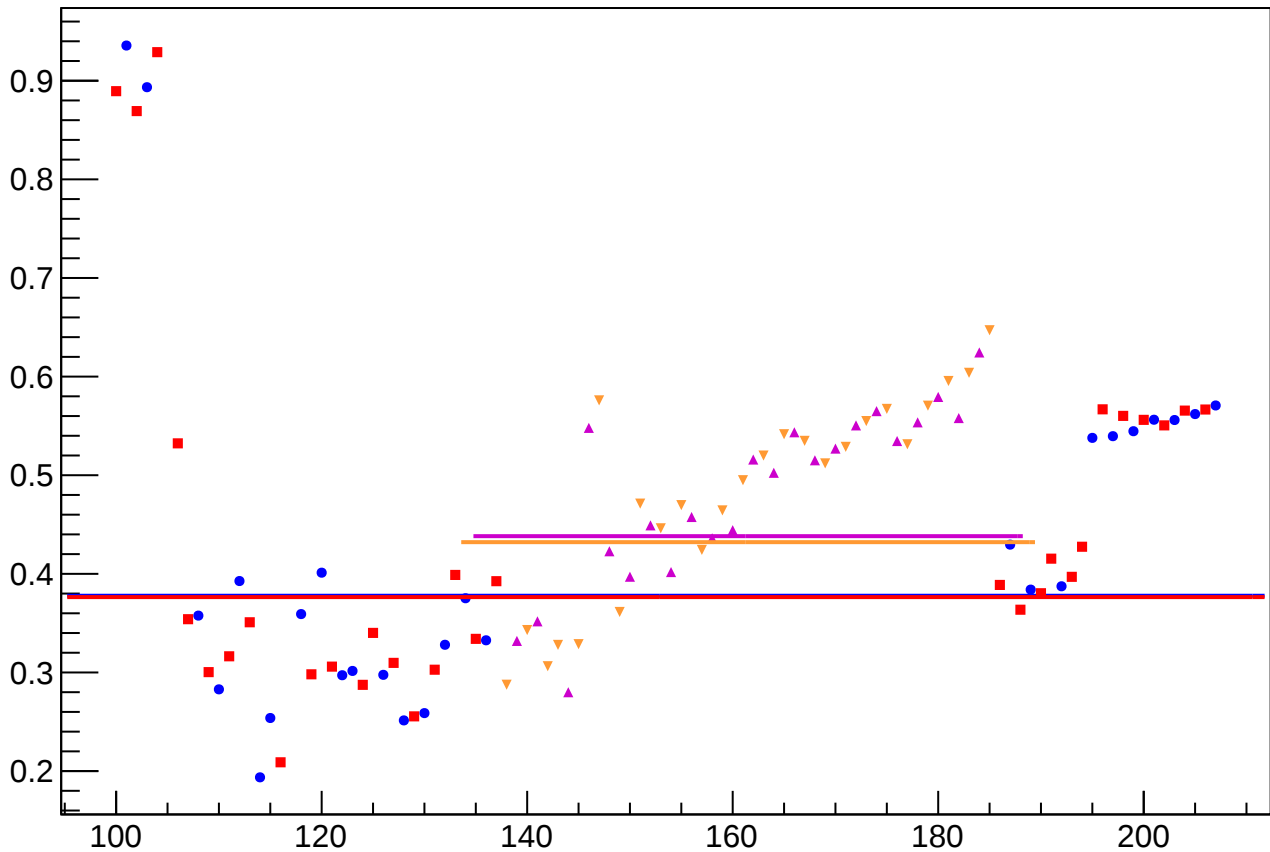
- sign 0.403 $\pm$ 0.000 χ^2 /NDF: 4352310.9/53

yield_bcm_an_ds3_mean vs Slug



Right In: 144.438 $\pm$ 0.000	χ^2 /NDF: 3538533130.5/26	+ sign 146.674 $\pm$ 0.000	χ^2 /NDF: 4367265405.0/51
Left Out: 148.686 $\pm$ 0.000	χ^2 /NDF: 52218185.1/24	All: 146.086 $\pm$ 0.000	χ^2 /NDF: 13448601820.
Right Out: 142.926 $\pm$ 0.000	χ^2 /NDF: 7355680999.8/30	- sign 145.510 $\pm$ 0.000	χ^2 /NDF: 8963181341.6/53
Left In: 148.307 $\pm$ 0.000	χ^2 /NDF: 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.378 $\pm$ 0.000 χ^2 /NDF: 2741989.1/26

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1929031.5/24

Right Out: 0.376 $\pm$ 0.000 χ^2 /NDF: 2540147.9/30

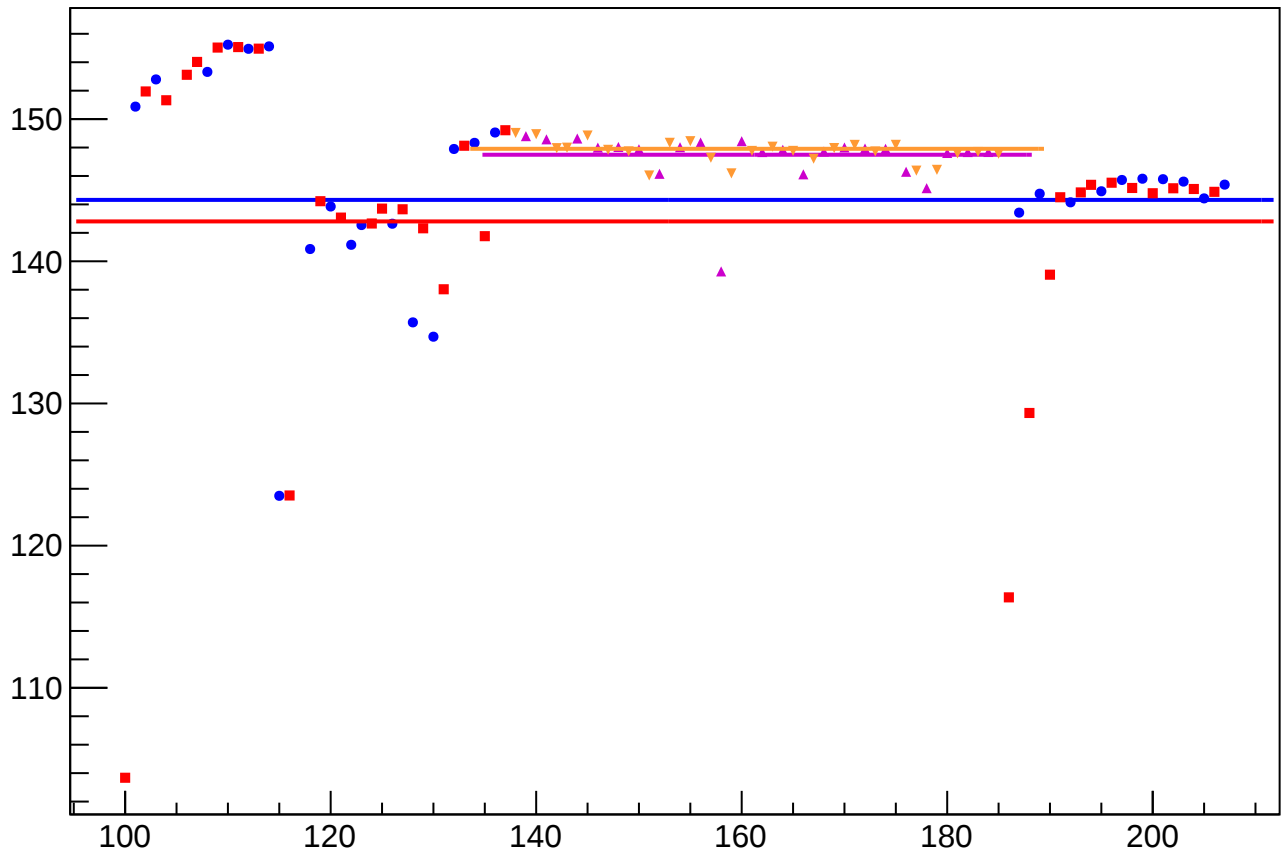
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.406 $\pm$ 0.000 χ^2 /NDF: 4925120.6/51

All: 0.406 $\pm$ 0.000 χ^2 /NDF: 9323032.2/105

- sign 0.406 $\pm$ 0.000 χ^2 /NDF: 4397896.2/53

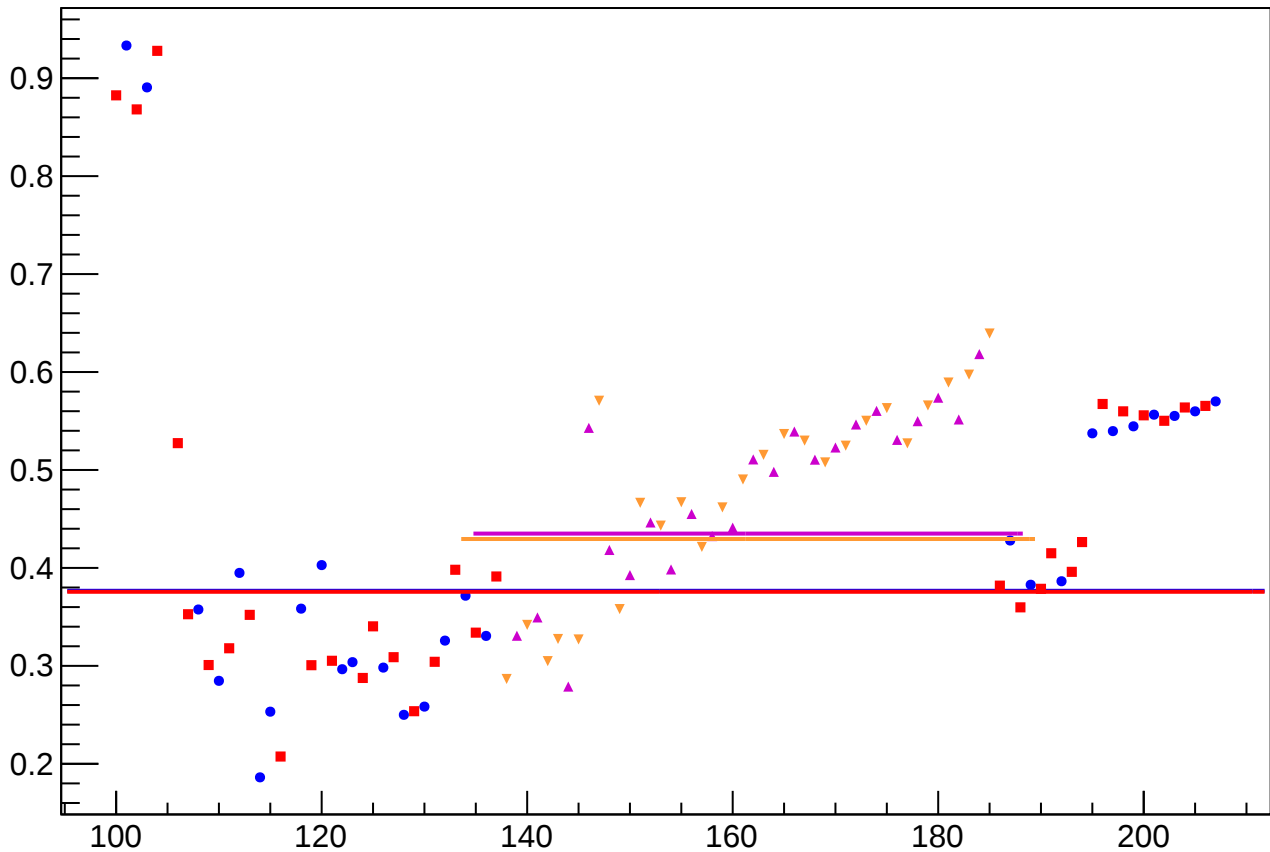
yield_bcm_an_us_mean vs Slug



Right In: 144.318 ± 0.000 χ^2/NDF : 3695659893.8/26
 Left Out: 147.911 ± 0.000 χ^2/NDF : 64412407.9/24
 Right Out: 142.804 ± 0.000 χ^2/NDF : 7784178641.4/30
 Left In: 147.493 ± 0.000 χ^2/NDF : 343978473.2/22

+ sign 146.216 ± 0.000 χ^2/NDF : 4320426489.0/51
 All: 145.636 ± 0.000 χ^2/NDF : 13541355020.
 - sign 145.068 ± 0.000 χ^2/NDF : 9104938390.8/53

yield_bcm_an_us_rms vs Slug



Right In: 0.377 $\pm$ 0.000 χ^2 /NDF: 2766418.2/26

Left Out: 0.430 $\pm$ 0.000 χ^2 /NDF:1895701.4/24

Right Out: 0.376 $\pm$ 0.000 χ^2 /NDF: 2540192.0/30

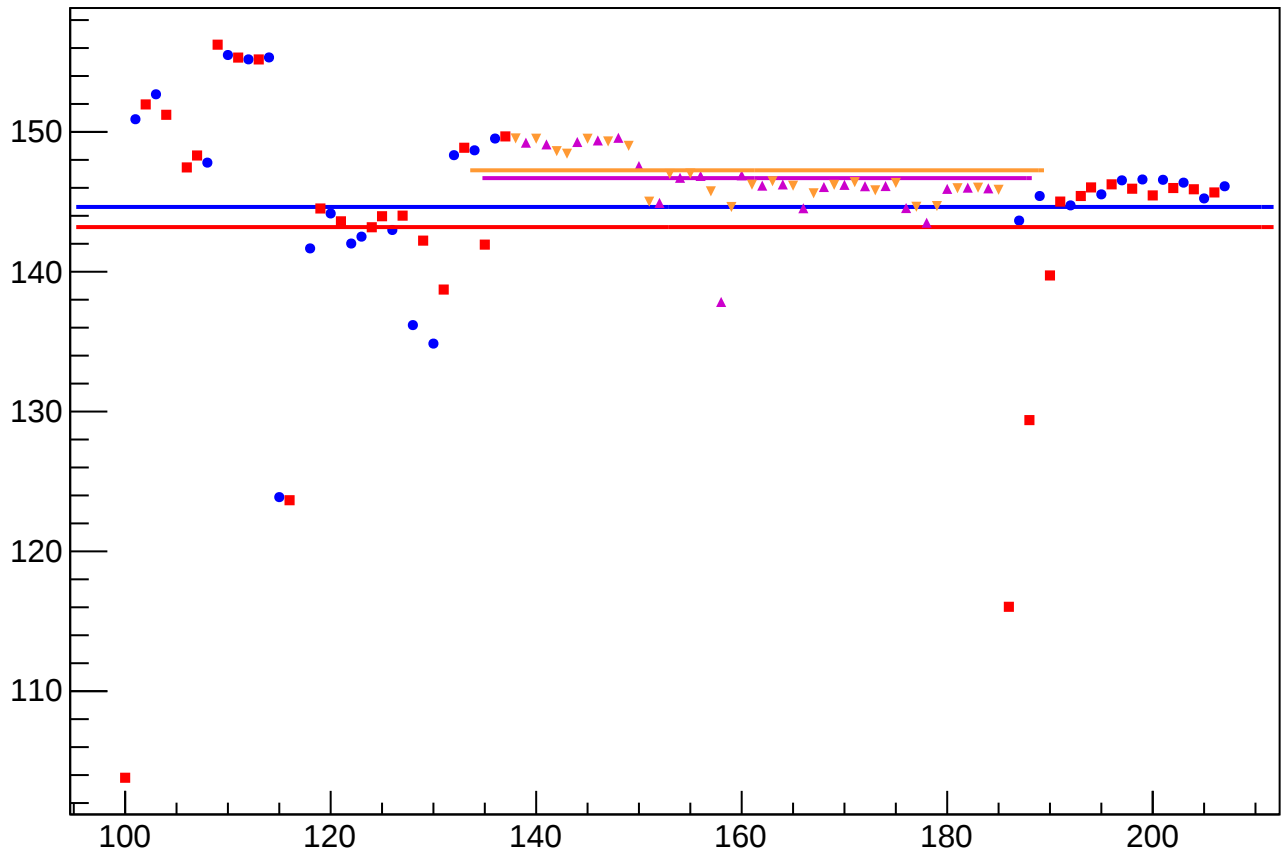
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1502712.5/22

+ sign 0.405 $\pm$ 0.000 χ^2 /NDF: 4904786.2/51

All: 0.404 $\pm$ 0.000 χ^2 /NDF: 9261200.7/105

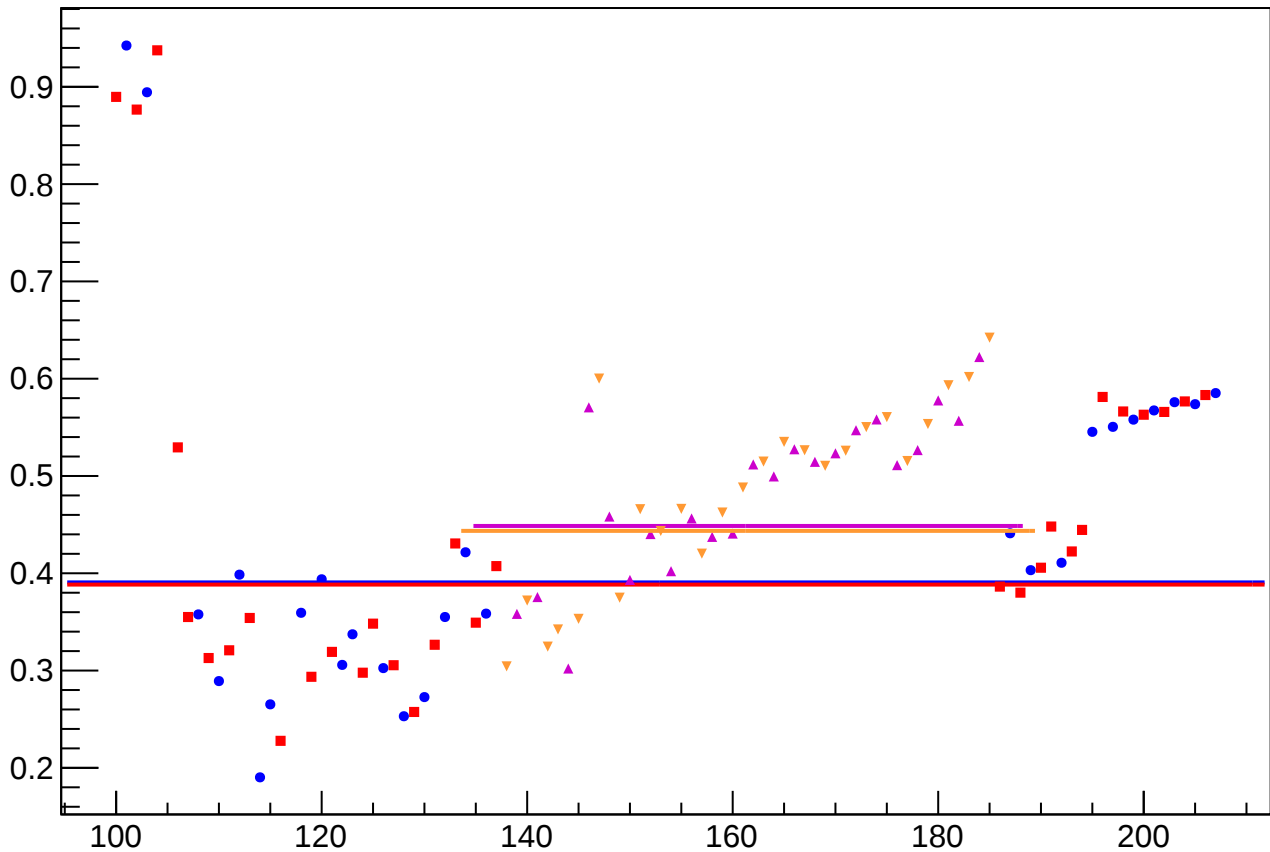
- sign 0.404 $\pm$ 0.000 χ^2 /NDF: 4356403.6/53

yield_bcm_dg_us_mean vs Slug



Right In: 144.634 $\pm$ 0.000	χ^2 /NDF: 3222032425.1/26	+ sign 146.031 $\pm$ 0.000	χ^2 /NDF: 3763615923.6/51
Left Out: 147.255 $\pm$ 0.000	χ^2 /NDF: 262138049.8/24	All: 145.458 $\pm$ 0.000	χ^2 /NDF: 12061931026.
Right Out: 143.194 $\pm$ 0.000	χ^2 /NDF: 7121492346.4/30	- sign 144.900 $\pm$ 0.000	χ^2 /NDF: 8192522802.5/53
Left In: 146.695 $\pm$ 0.000	χ^2 /NDF: 557896803.1/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.391 $\pm$ 0.000 χ^2 /NDF: 2696432.0/26

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.388 $\pm$ 0.000 χ^2 /NDF: 2480868.3/30

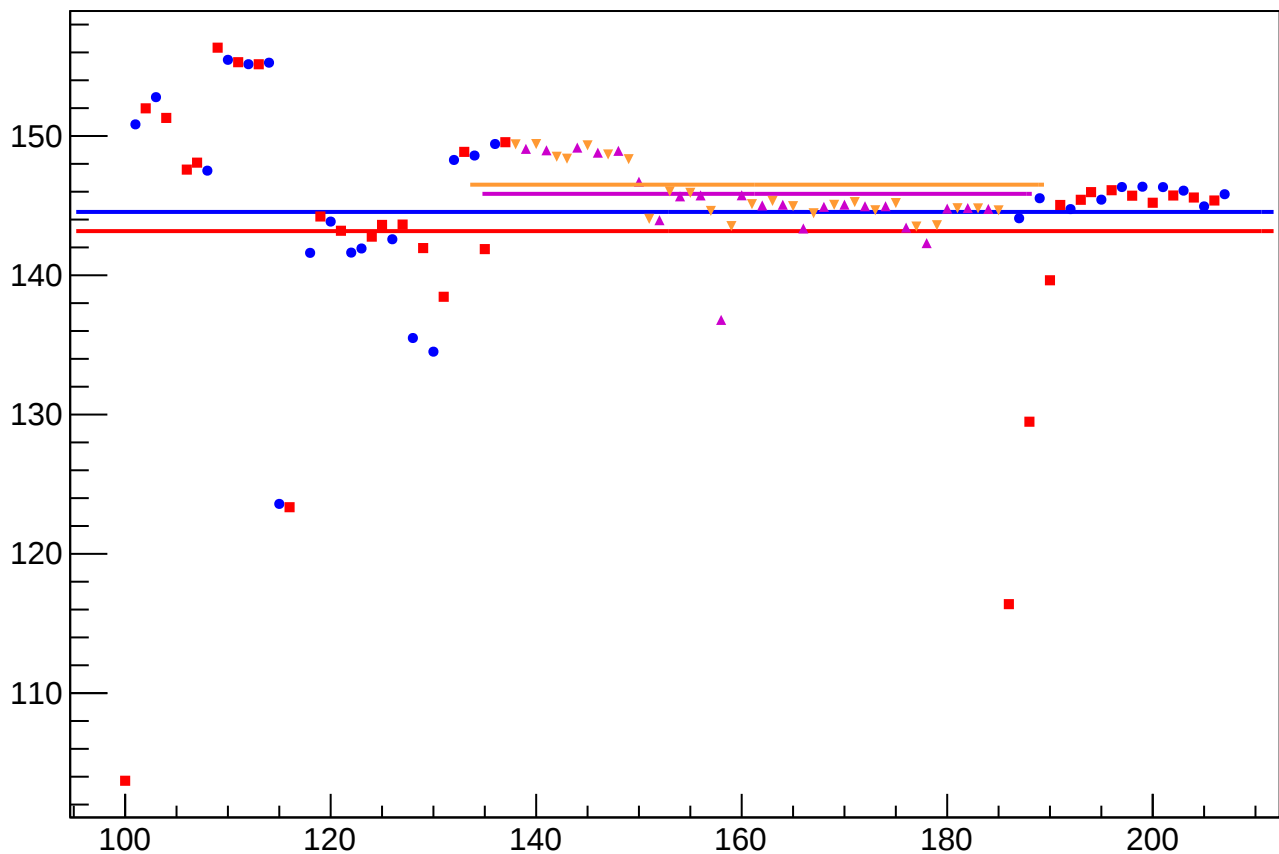
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.419 $\pm$ 0.000 χ^2 /NDF: 4408271.8/51

All: 0.418 $\pm$ 0.000 χ^2 /NDF: 8325841.3/105

- sign 0.418 $\pm$ 0.000 χ^2 /NDF: 3917369.9/53

yield_bcm_dg_ds_mean vs Slug



Right In: 144.548 $\pm$ 0.000 χ^2 /NDF: 3331893730.7/26

Left Out: 146.505 $\pm$ 0.000 χ^2 /NDF: 401688176.3/24

Right Out: 143.171 $\pm$ 0.000 χ^2 /NDF: 7075195614.5/30

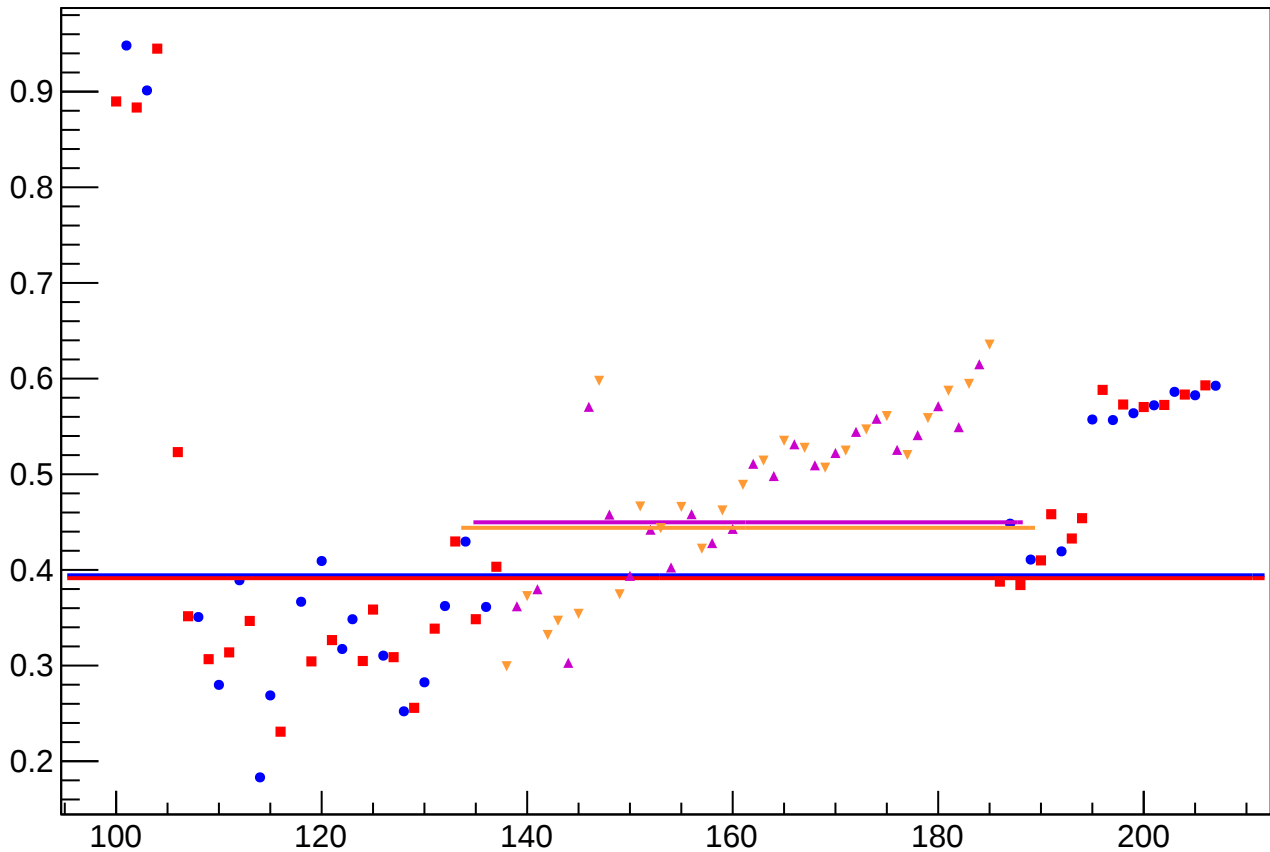
Left In: 145.847 $\pm$ 0.000 χ^2 /NDF: 694764545.6/22

+ sign 145.601 $\pm$ 0.000 χ^2 /NDF: 3887256747.1/51

All: 145.036 $\pm$ 0.000 χ^2 /NDF: 12055289925.

- sign 144.484 $\pm$ 0.000 χ^2 /NDF: 8065985025.0/53

yield_bcm_dg_ds_rms vs Slug



Right In: 0.394+/-0.000 χ^2/NDF : 2744215.3/26

Left Out: 0.444+/-0.000 χ^2/NDF :1463293.5/24

Right Out: 0.391+/-0.000 χ^2/NDF : 2511833.9/30

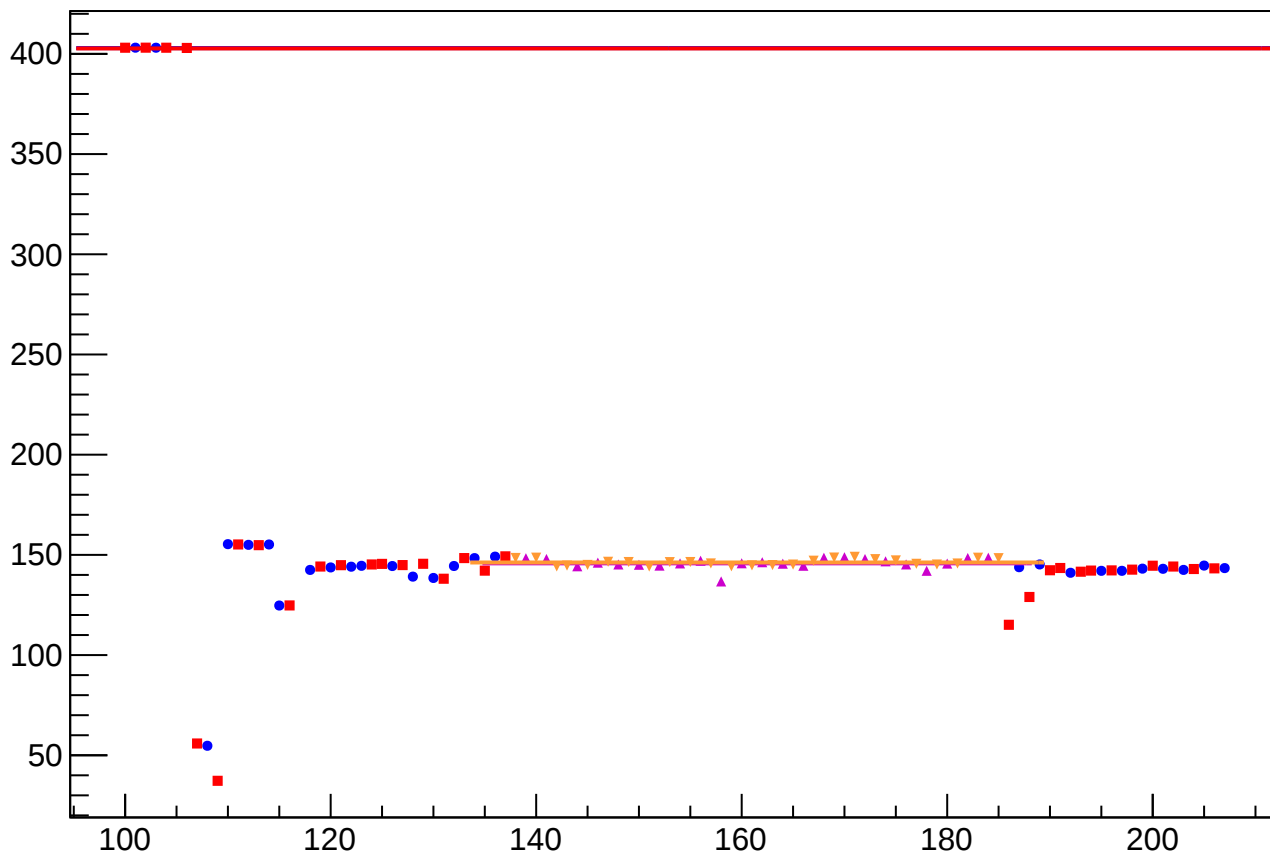
Left In: 0.450+/-0.000 χ^2/NDF :1105405.0/22

+ sign 0.421+/-0.000 χ^2/NDF : 4405367.3/51

All: 0.421+/-0.000 χ^2/NDF : 8305086.5/105

- sign 0.420+/-0.000 χ^2/NDF : 3899532.2/53

yield_cav4bQ_mean vs Slug



Right In: 402.884 $\pm$ 0.000 χ^2 /NDF: 1686204303549.6/26

Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24

Right Out: 402.718 $\pm$ 0.000 χ^2 /NDF: 3853461916413.9/30

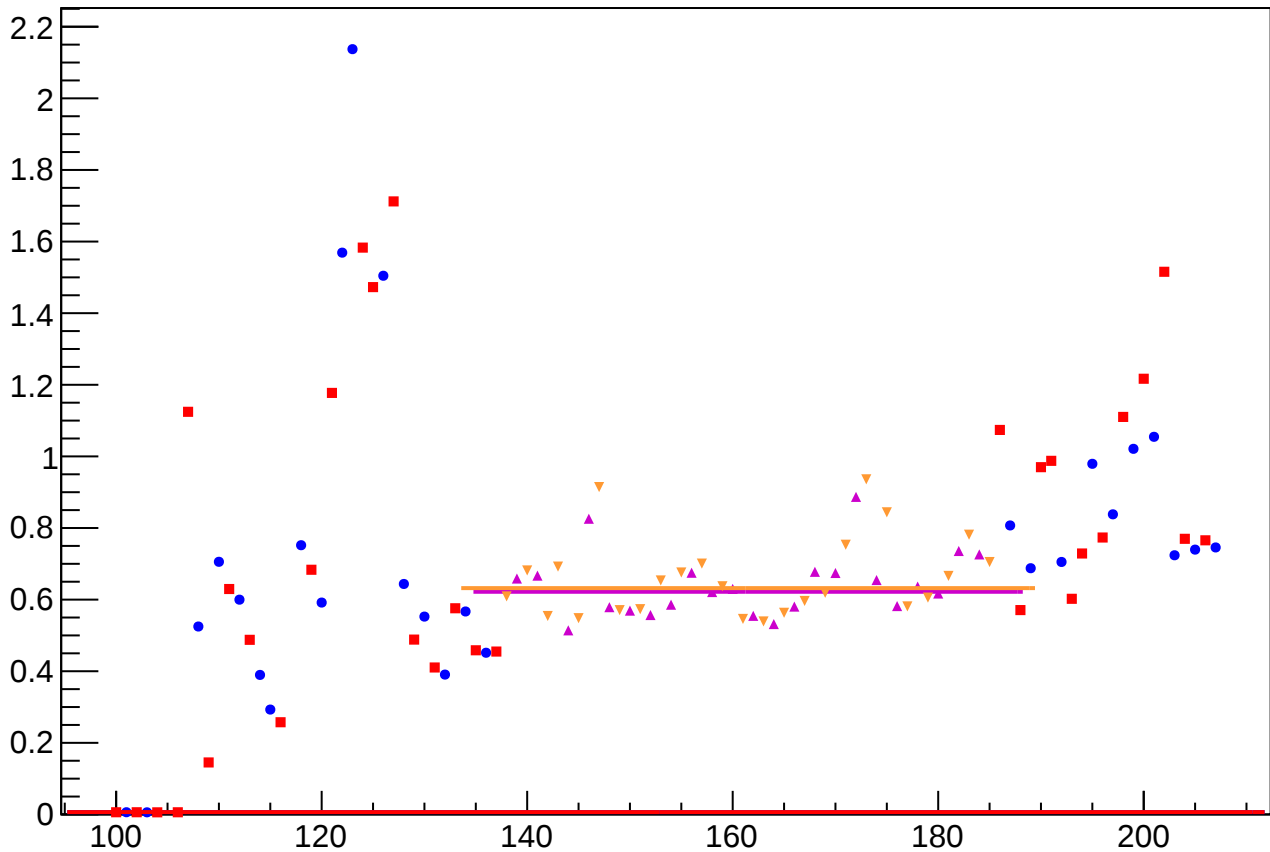
Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.588 $\pm$ 0.000 χ^2 /NDF: 4056850576062.6

All: 402.520 $\pm$ 0.000 χ^2 /NDF: 102565585407

- sign 402.459 $\pm$ 0.000 χ^2 /NDF: 6199432979142.5

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 20287503.3/26

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 22343439.7/30

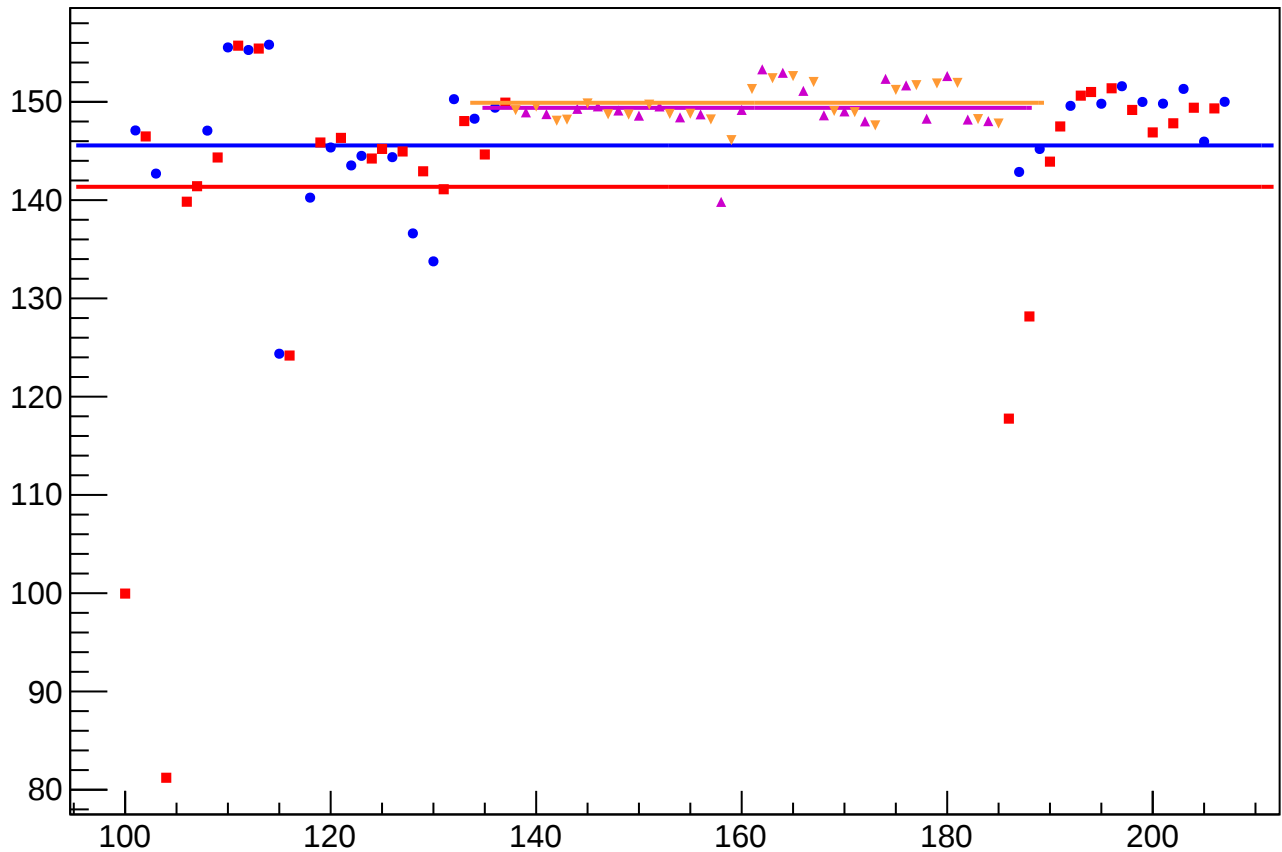
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 49061183.4/51

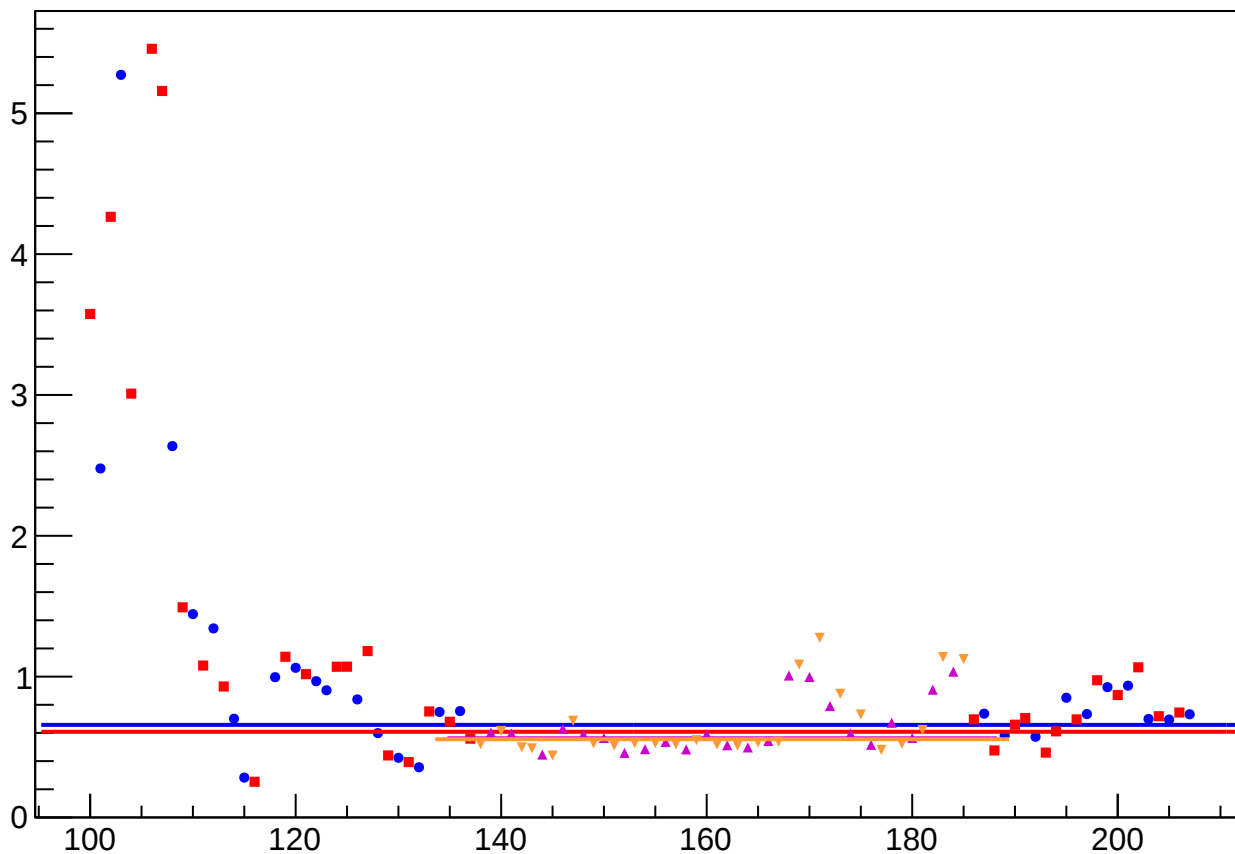
All: 0.007 $\pm$ 0.000 χ^2 /NDF: 98719945.0/105

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 49658400.0/53

yield_cav4cQ_mean vs Slug



yield_cav4cQ_rms vs Slug



Right In: 0.657 ± 0.000 χ^2/NDF : 3963176.3/26

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.608 ± 0.000 χ^2/NDF : 5545697.2/30

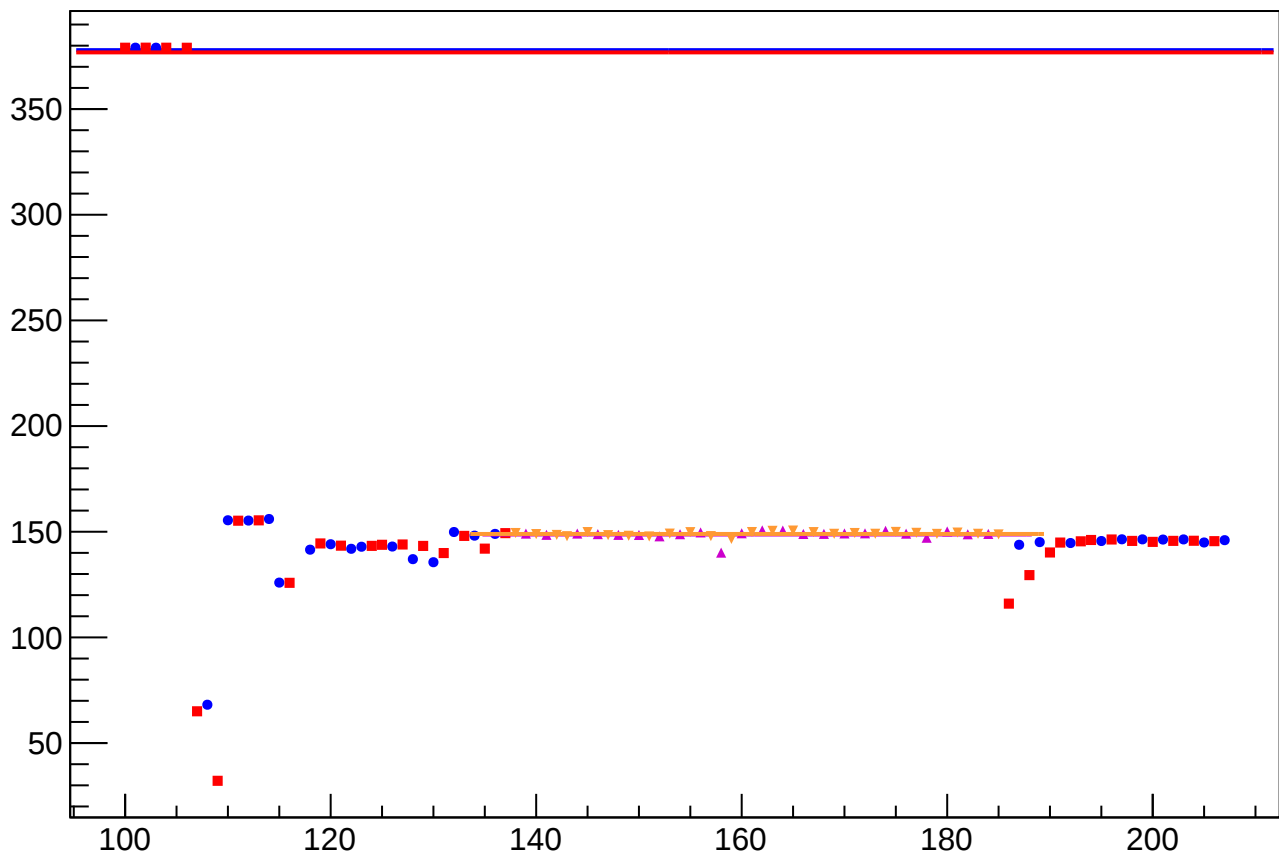
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.586 ± 0.000 χ^2/NDF : 6050128.8/51

All: 0.582 ± 0.000 χ^2/NDF : 12983505.2/105

- sign 0.579 ± 0.000 χ^2/NDF : 6929828.4/53

yield_cav4dQ_mean vs Slug



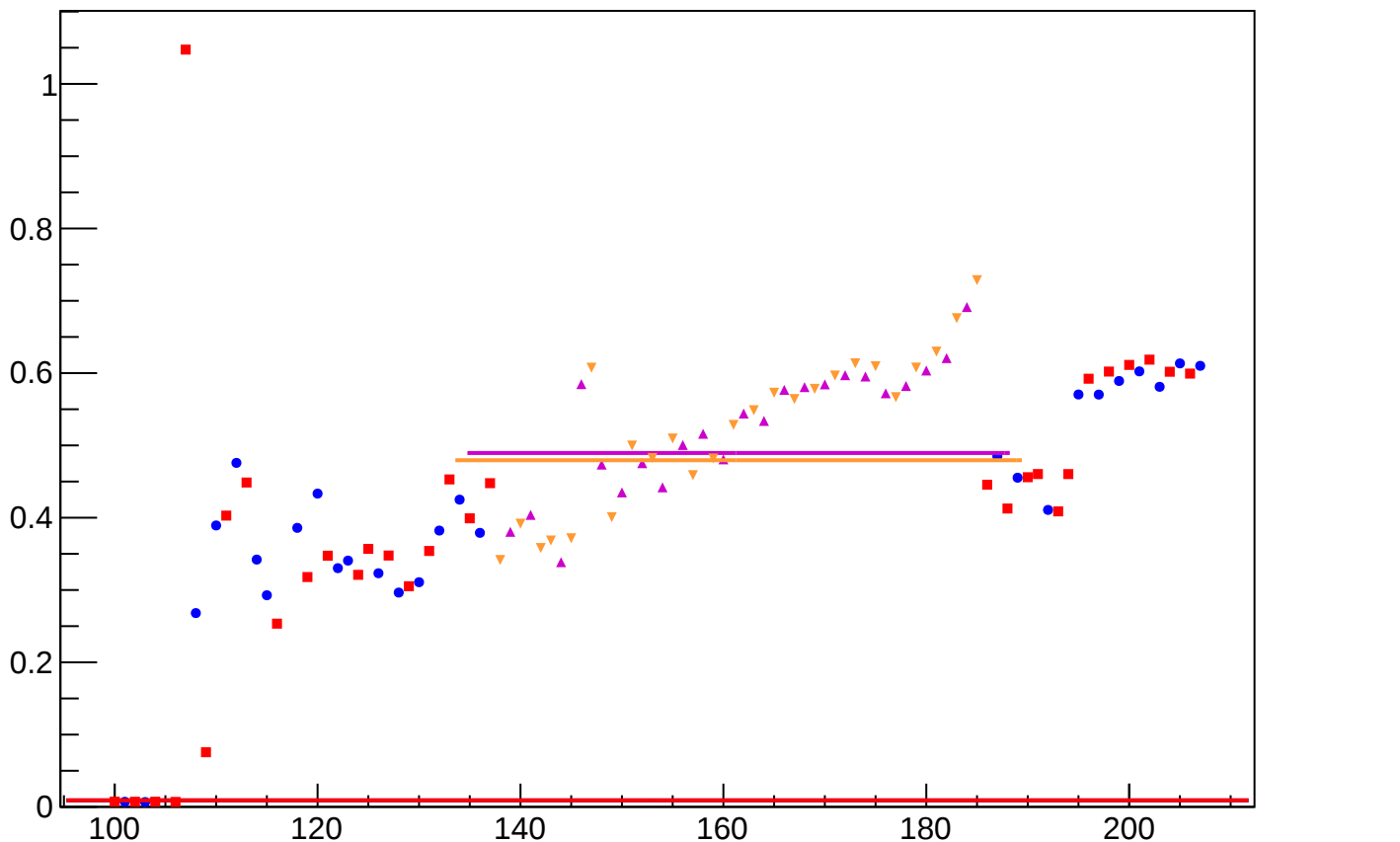
Right In: 377.883 $\pm$ 0.000 χ^2 /NDF: 3745617518512.0/26
 Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24
 Right Out: 376.823 $\pm$ 0.000 χ^2 /NDF: 9954917498976.6/30
 Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22

+ sign 376.605 $\pm$ 0.000 χ^2 /NDF: 7647355687033.8

All: 376.173 $\pm$ 0.000 χ^2 /NDF: 211776101295

- sign 375.794 $\pm$ 0.000 χ^2 /NDF: 13525553905957.7

yield_cav4dQ_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 23044579.9/26

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1518765.9/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 24518816.4/30

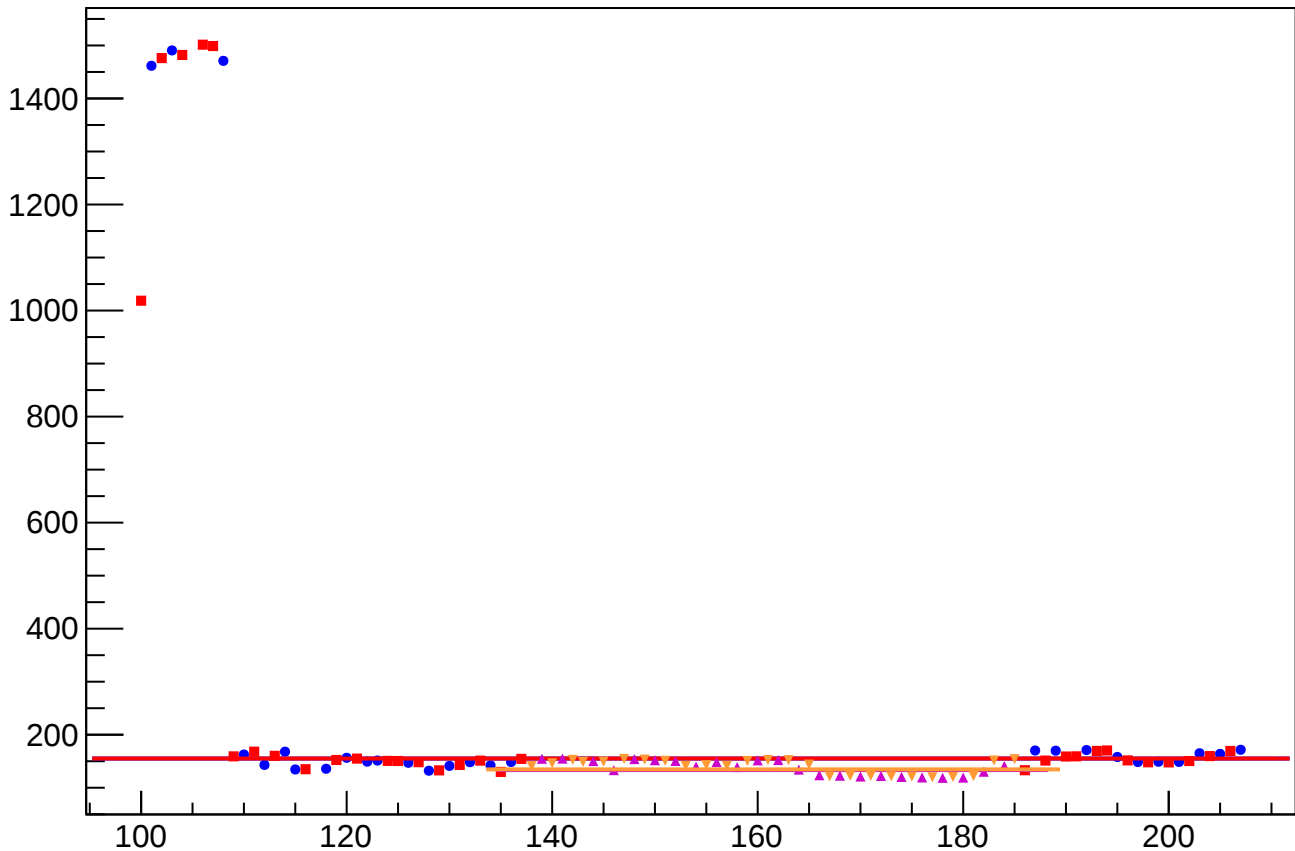
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 57515456.0/51

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 114789724.7/105

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 57272198.0/53

yield_bcm0l02_mean vs Slug



Right In: 155.040 $\pm$ 0.000 χ^2 /NDF: 25907861782.2/26

Left Out: 134.585 $\pm$ 0.000 χ^2 /NDF: 4387324151.1/24

Right Out: 155.111 $\pm$ 0.000 χ^2 /NDF: 34996471228.6/30

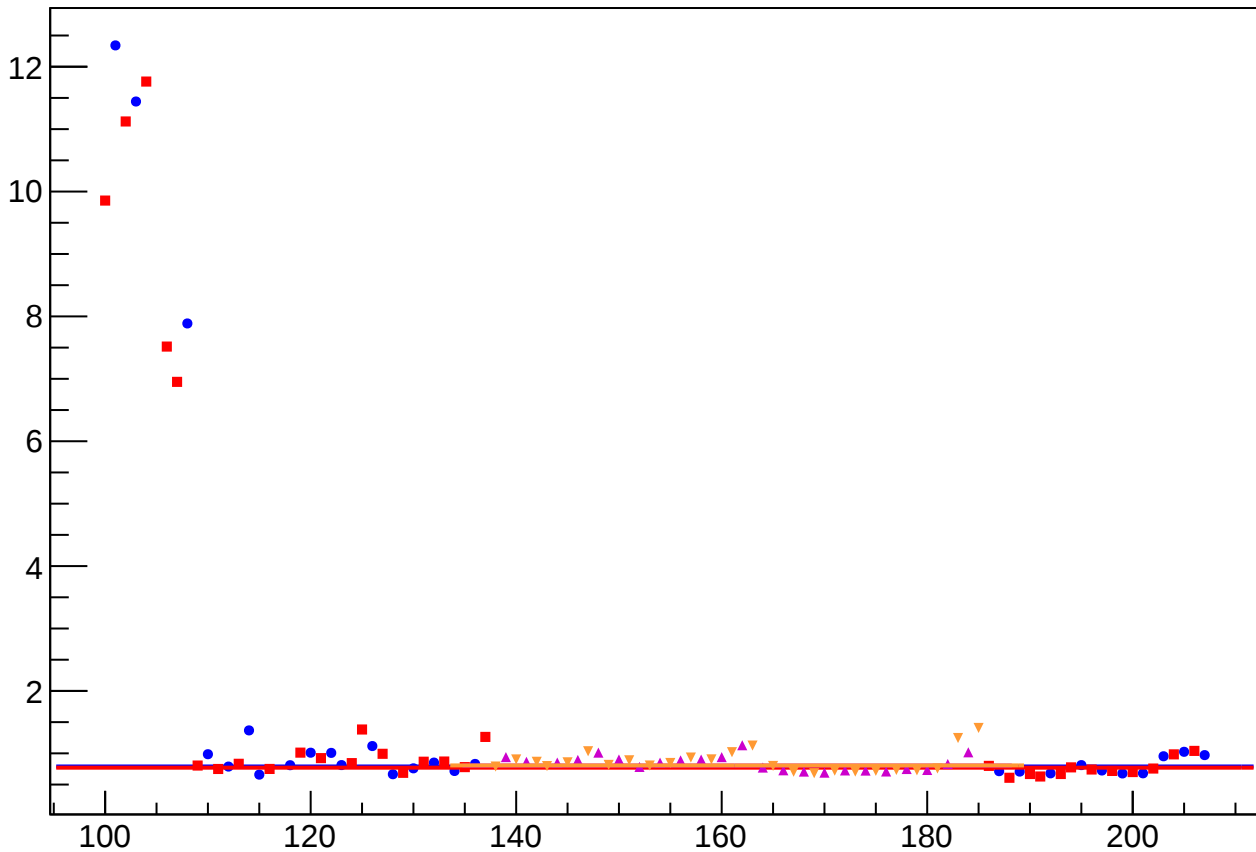
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 142.762 $\pm$ 0.000 χ^2 /NDF: 34266137367.5/51

All: 142.869 $\pm$ 0.000 χ^2 /NDF: 78451002384.

- sign 142.972 $\pm$ 0.000 χ^2 /NDF: 44183973528.3/53

yield_bcm0l02_rms vs Slug



Right In: 0.790+/-0.000 χ^2/NDF : 3011076.1/26

Left Out: 0.807+/-0.000 χ^2/NDF : 704181.3/24

Right Out: 0.771+/-0.000 χ^2/NDF : 3299804.1/30

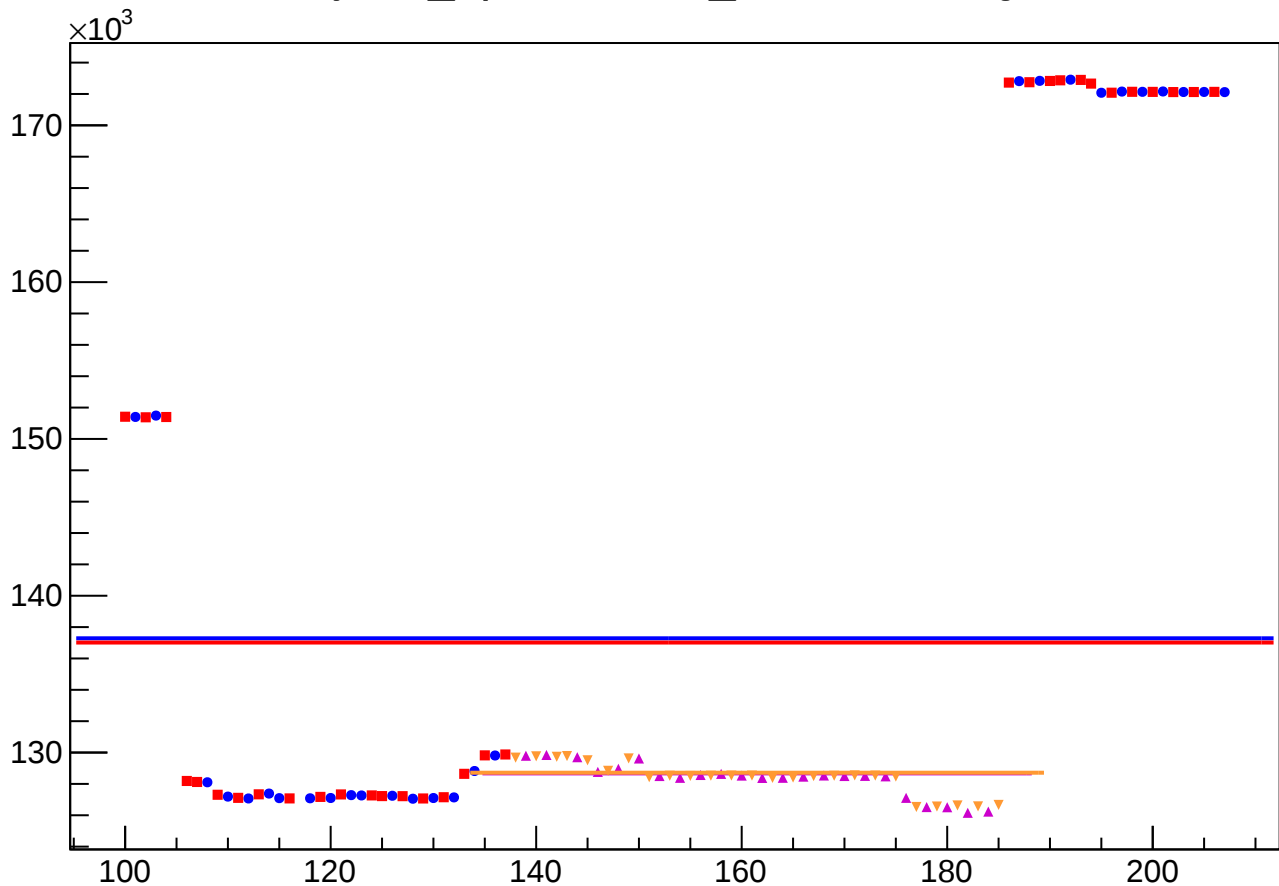
Left In: 0.805+/-0.000 χ^2/NDF : 479689.4/22

+ sign 0.800+/-0.000 χ^2/NDF : 3720744.2/51

All: 0.795+/-0.000 χ^2/NDF : 7528136.6/105

- sign 0.789+/-0.000 χ^2/NDF : 3803019.1/53

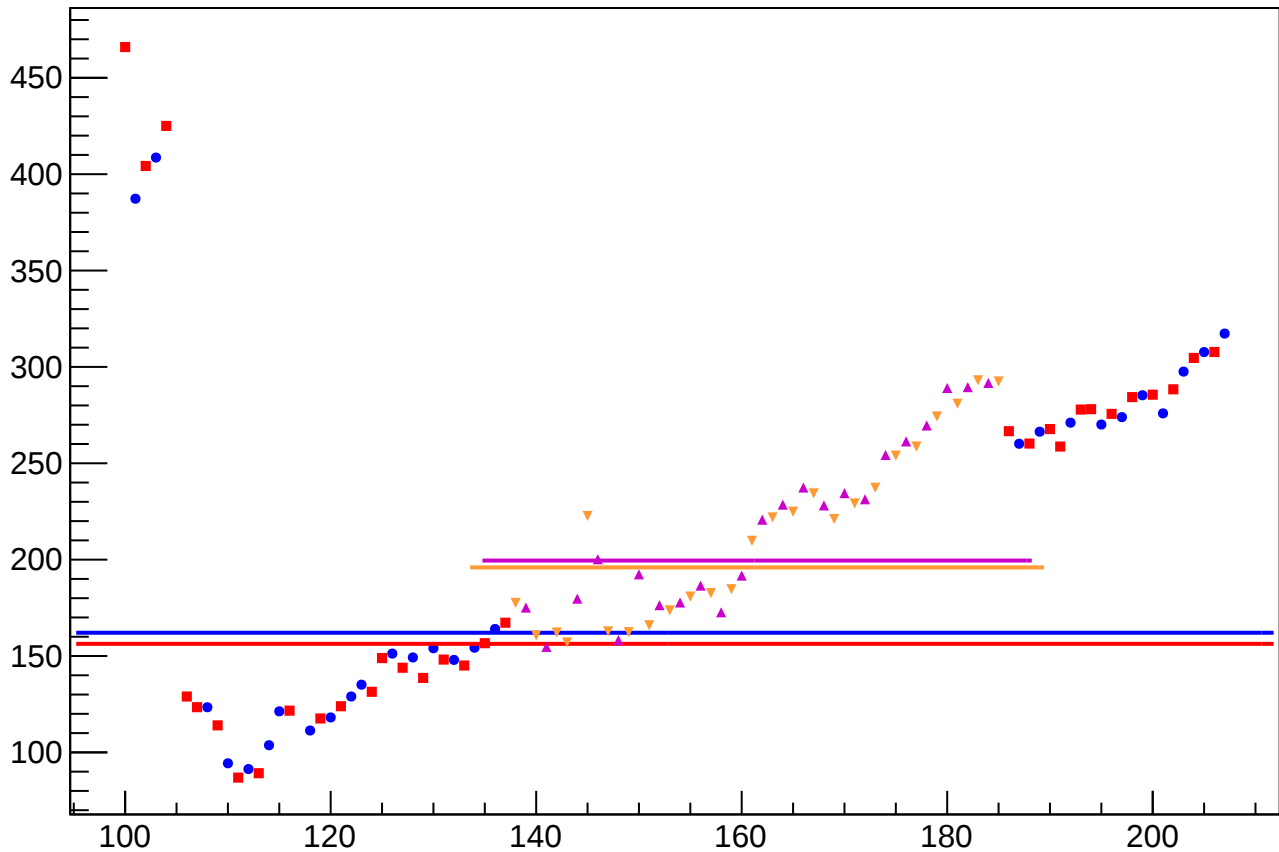
yield_bpm2i01WS_mean vs Slug



Right In: 137285.798 $\pm$ 0.049 χ^2 /NDF: 141685519421.8/26
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 137015.579 $\pm$ 0.045 χ^2 /NDF: 163078799239.1/30
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22

+ sign 132825.833 $\pm$ 0.034 χ^2 /NDF: 158229726800
 All: 133010.204 $\pm$ 0.024 χ^2 /NDF: 337514020
 - sign 133188.275 $\pm$ 0.033 χ^2 /NDF: 179225286520

yield_bpm2i01WS_rms vs Slug



Right In: 162.067 $\pm$ 0.034 χ^2 /NDF: 4837473.8/26

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 156.315 $\pm$ 0.032 χ^2 /NDF: 5494150.6/30

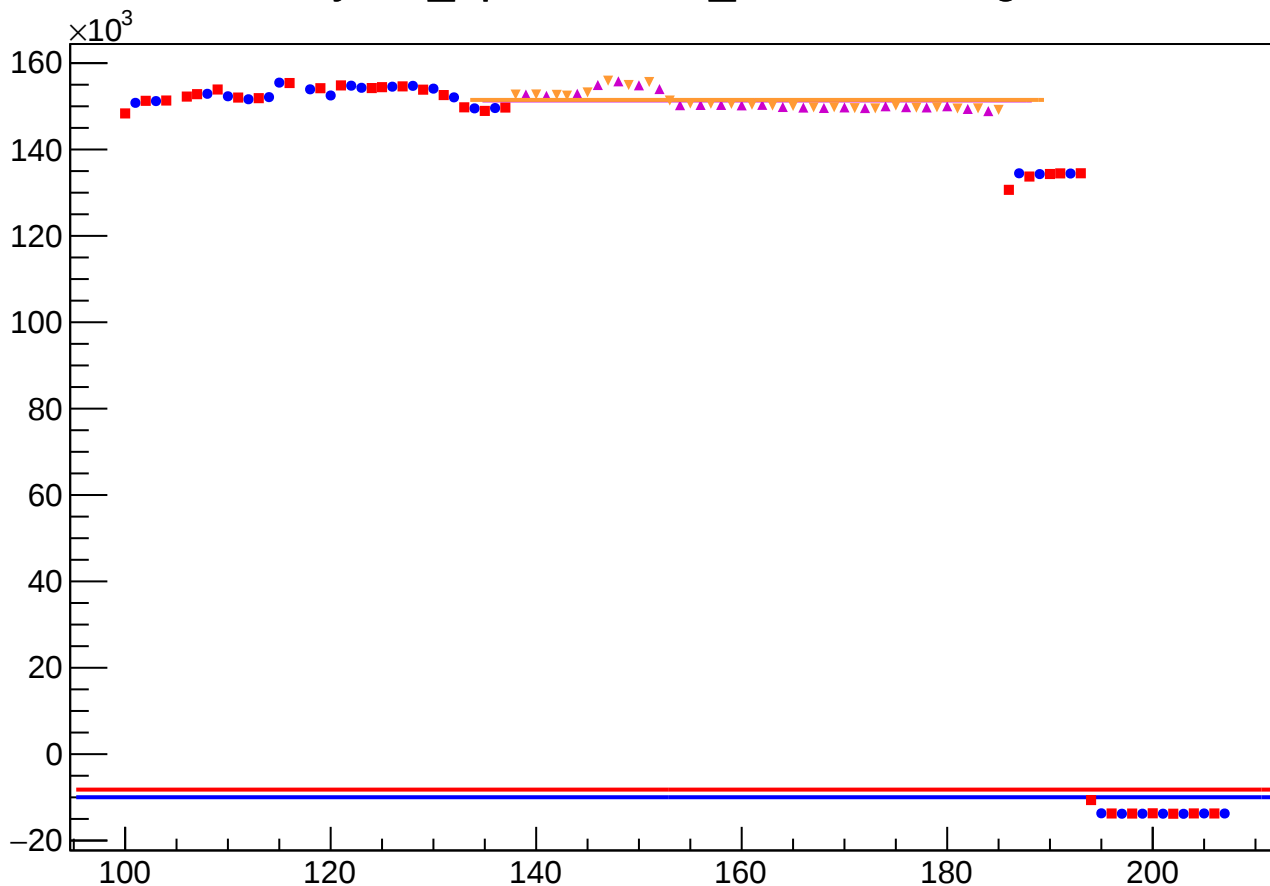
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 179.704 $\pm$ 0.024 χ^2 /NDF: 6660063.6/51

All: 177.888 $\pm$ 0.017 χ^2 /NDF: 14188993.1/10

- sign 176.134 $\pm$ 0.023 χ^2 /NDF: 7517483.8/53

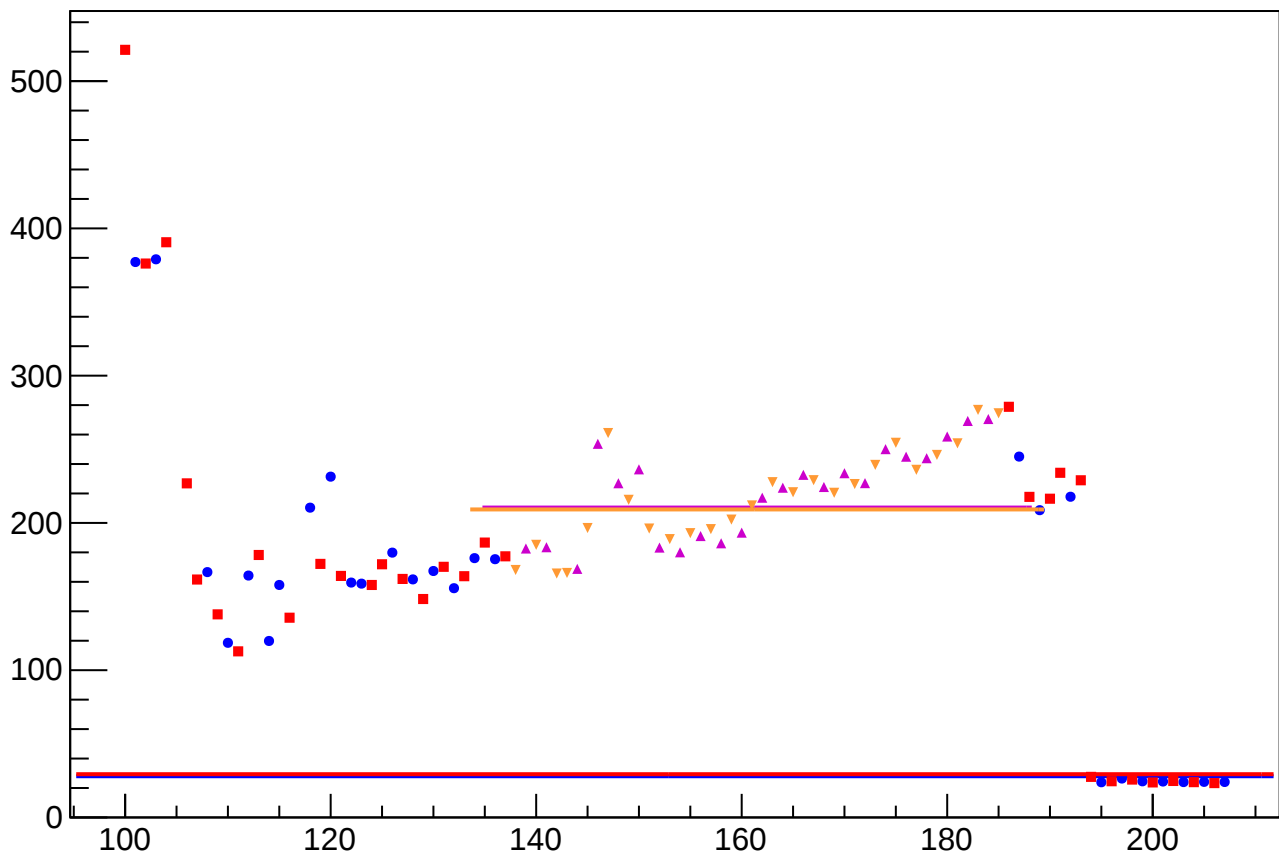
yield_bpm0i07WS_mean vs Slug



Right In: -9975.258 ± 0.010 χ^2/NDF : 5834593375920.9/26
 Left Out: 151480.339 ± 0.049 χ^2/NDF : 1483692735.3/24
 Right Out: -8209.051 ± 0.011 χ^2/NDF : 7136822968950.3/30
 Left In: 151362.440 ± 0.051 χ^2/NDF : 1426782789.9/22

+ sign -3395.564 ± 0.010 χ^2/NDF : 1605299203244
 All: -2430.419 ± 0.007 χ^2/NDF : 3249776439
 - sign -1336.990 ± 0.011 χ^2/NDF : 16424852367139

yield_bpm0i07WS_rms vs Slug



Right In: 27.999 $\pm$ 0.007 χ^2 /NDF: 11363270.9/26

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 29.373 $\pm$ 0.008 χ^2 /NDF: 13453965.8/30

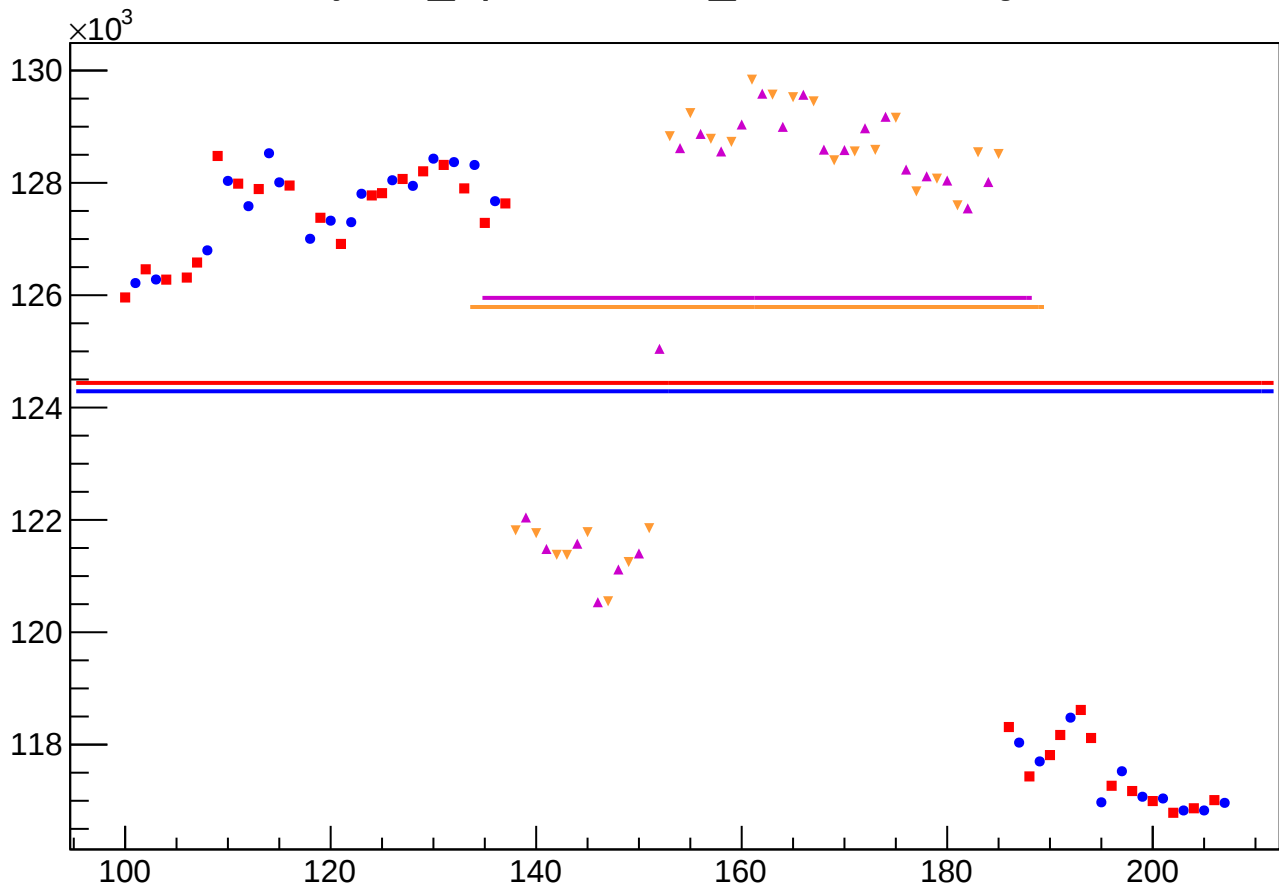
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 35.382 $\pm$ 0.007 χ^2 /NDF: 37798129.2/51

All: 36.220 $\pm$ 0.005 χ^2 /NDF: 75877854.8/105

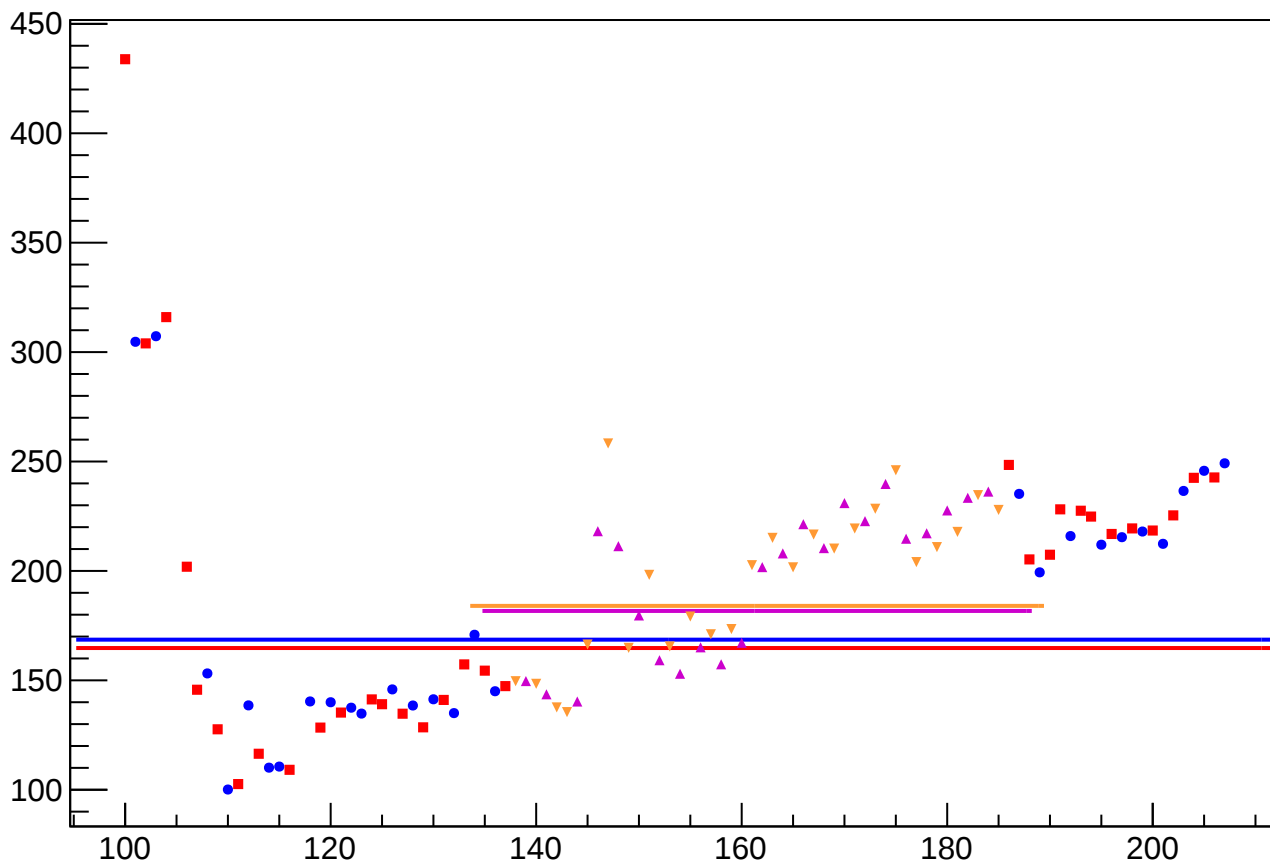
- sign 37.170 $\pm$ 0.008 χ^2 /NDF: 38049647.1/53

yield_bpm0l01WS_mean vs Slug



Right In: 124289.966 $\pm$ 0.048	χ^2 /NDF: 10593511845.1/26	+ sign 125103.379 $\pm$ 0.032	χ^2 /NDF: 17870907691.1
Left Out: 125790.126 $\pm$ 0.044	χ^2 /NDF: 6744310079.8/24	All: 125153.149 $\pm$ 0.023	χ^2 /NDF: 357820416.3
Right Out: 124438.843 $\pm$ 0.045	χ^2 /NDF: 11494396937.8/30	- sign 125200.847 $\pm$ 0.032	χ^2 /NDF: 17906504656.3
Left In: 125952.447 $\pm$ 0.045	χ^2 /NDF: 5841800367.5/22		

yield_bpm0l01WS_rms vs Slug



Right In: 168.593 $\pm$ 0.034 χ^2 /NDF: 2133021.8/26

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF:1126592.5/24

Right Out: 164.765 $\pm$ 0.032 χ^2 /NDF: 2625859.1/30

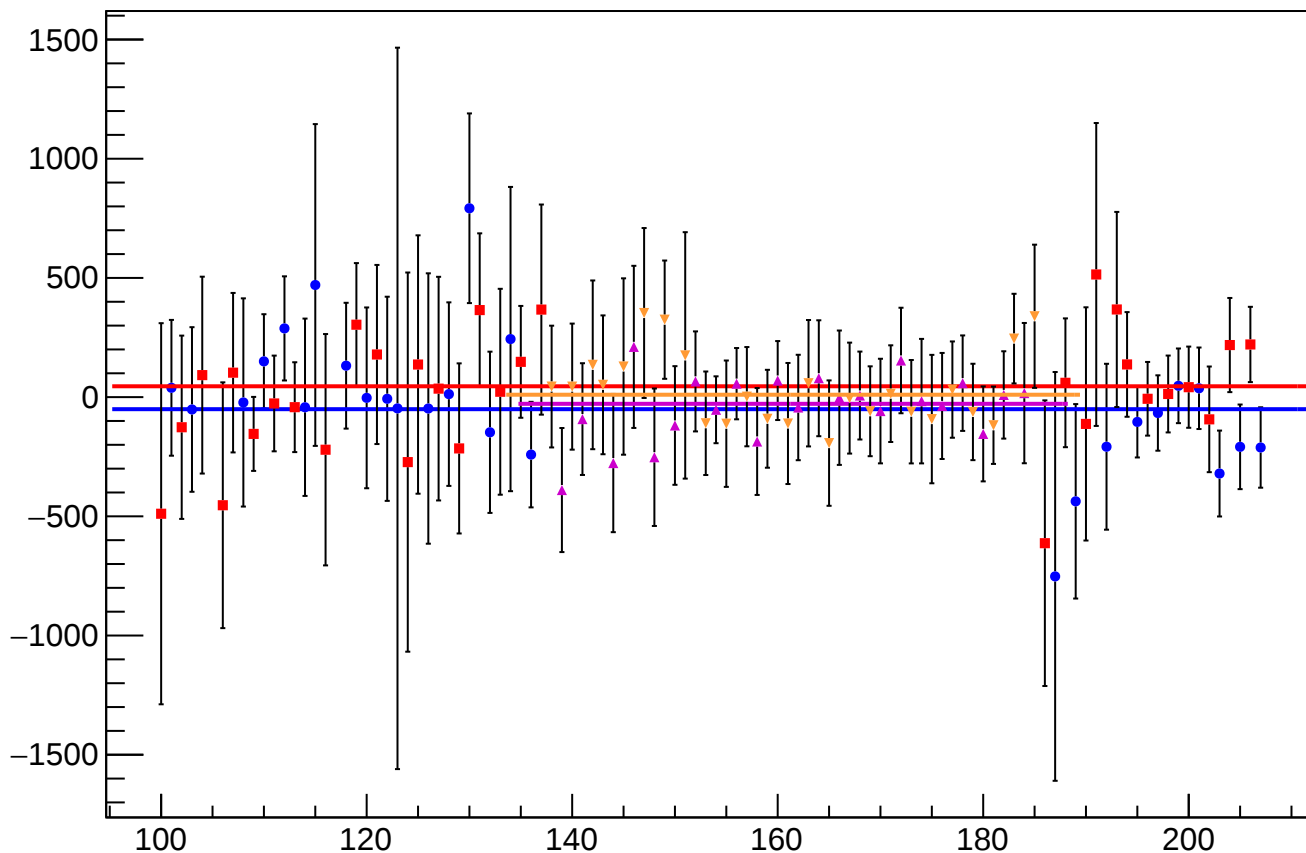
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF:1116142.0/22

+ sign 176.963 $\pm$ 0.023 χ^2 /NDF: 3372499.9/51

All: 175.091 $\pm$ 0.016 χ^2 /NDF: 7270608.2/105

- sign 173.298 $\pm$ 0.022 χ^2 /NDF: 3885017.6/53

asym_bcm_an_ds_mean vs Slug



Right In: -50.567 ± 48.210 χ^2/NDF : 16.7/26

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 45.491 ± 46.920 χ^2/NDF : 12.7/30

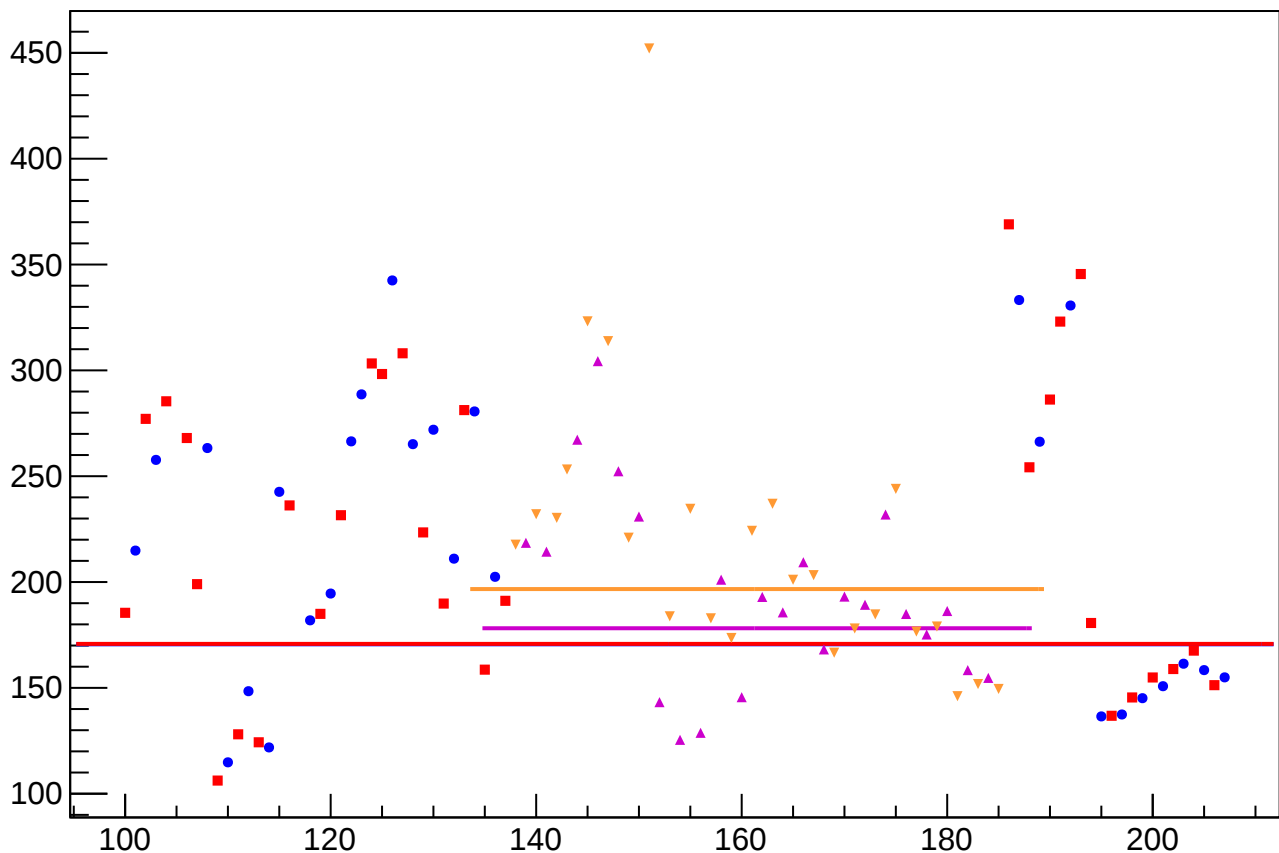
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -19.787 ± 33.832 χ^2/NDF : 26.0/51

All: -5.866 ± 23.368 χ^2/NDF : 47.2/105

- sign 6.835 ± 32.316 χ^2/NDF : 20.9/53

asym_bcm_an_ds_rms vs Slug



Right In: 170.580 $\pm$ 0.034 χ^2 /NDF: 2099798.7/26

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 170.779 $\pm$ 0.033 χ^2 /NDF: 2779929.7/30

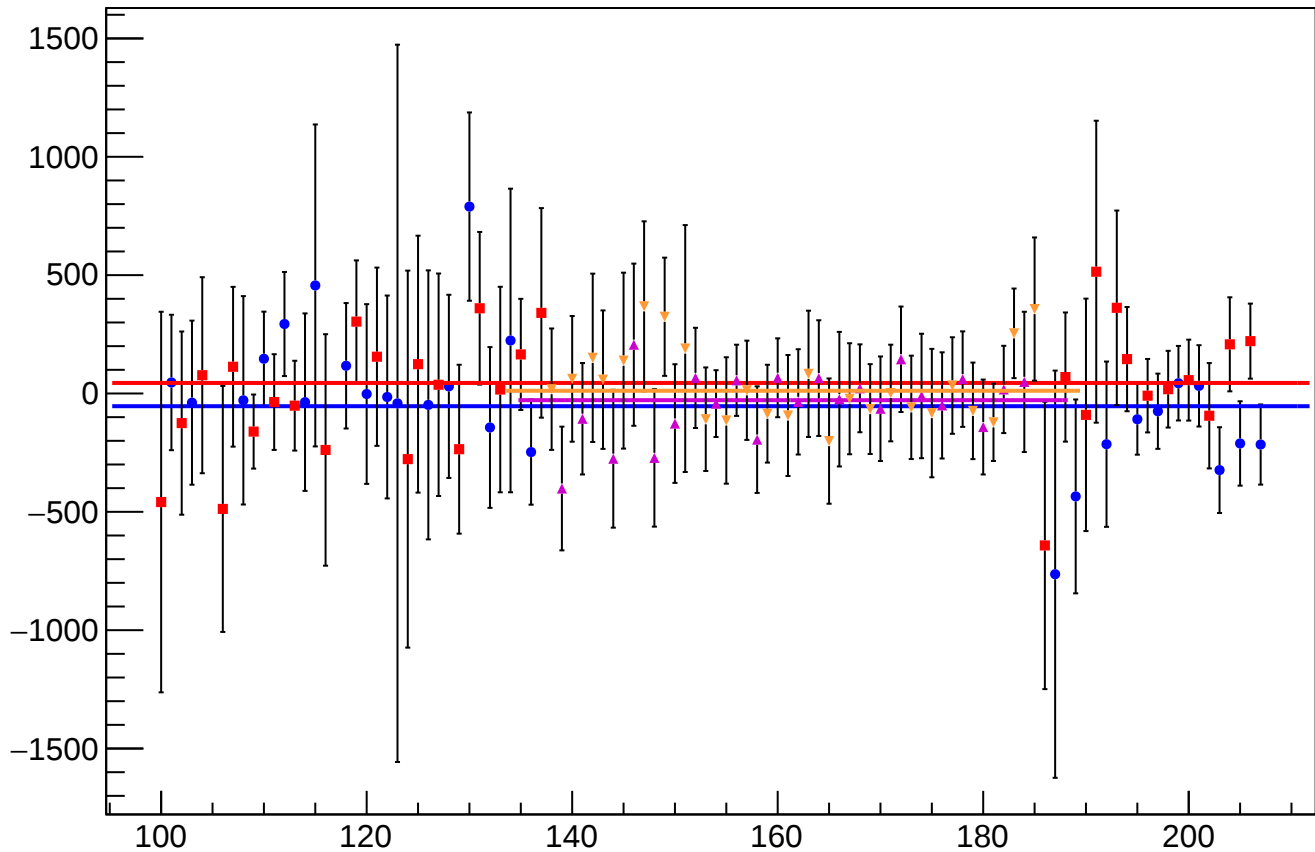
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 183.828 $\pm$ 0.024 χ^2 /NDF: 4180072.1/51

All: 179.035 $\pm$ 0.017 χ^2 /NDF: 8681782.4/105

- sign 174.662 $\pm$ 0.023 χ^2 /NDF: 4424950.0/53

asym_bcm_an_ds3_mean vs Slug



Right In: -53.759 ± 48.444 χ^2/NDF : 16.7/26

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 44.543 ± 47.156 χ^2/NDF : 12.9/30

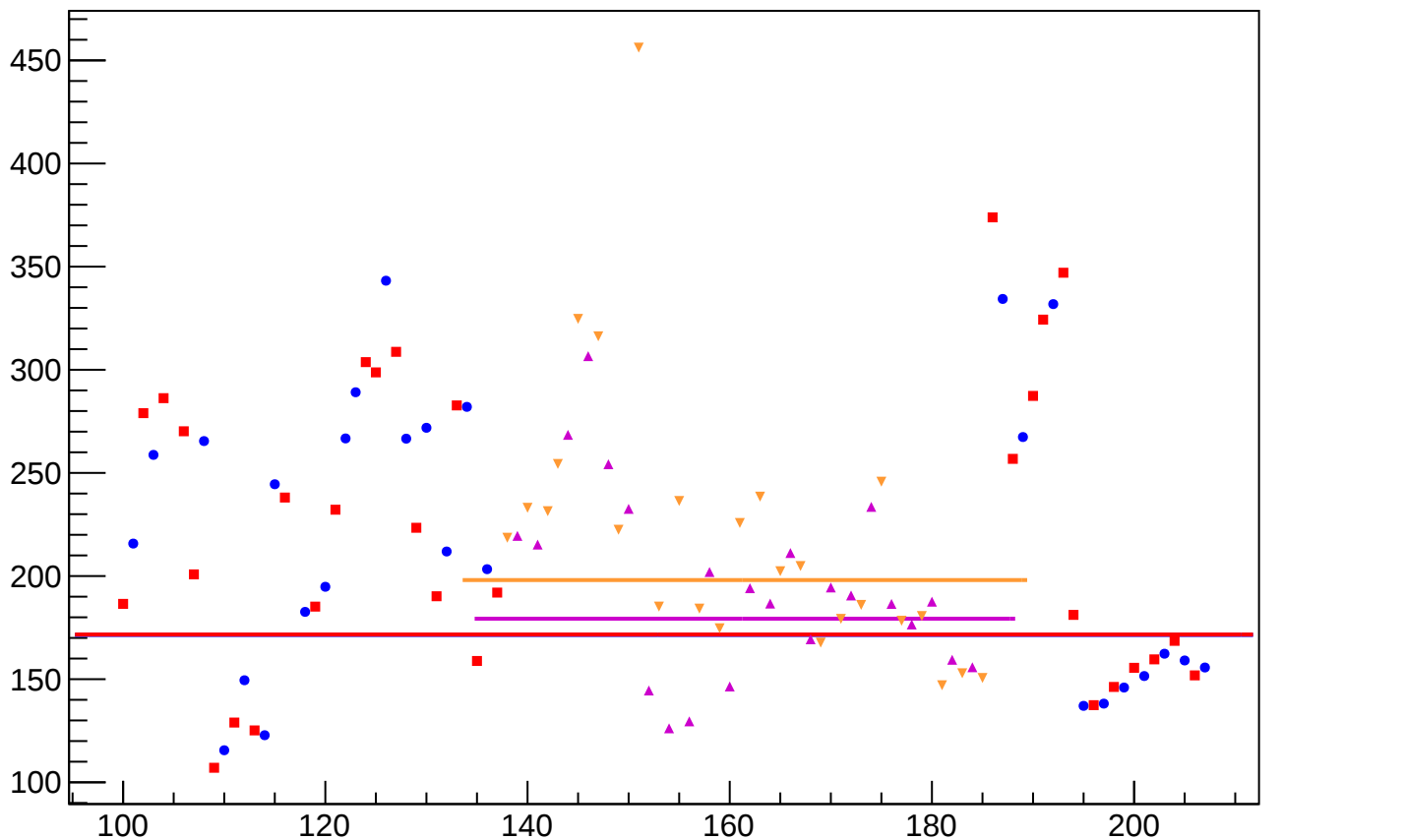
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign -20.717 ± 34.032 χ^2/NDF : 26.4/51

All: -6.578 ± 23.505 χ^2/NDF : 48.0/105

- sign 6.318 ± 32.503 χ^2/NDF : 21.2/53

asym_bcm_an_ds3_rms vs Slug



Right In: 171.436 $\pm$ 0.034 χ^2 /NDF: 2090642.0/26

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 171.650 $\pm$ 0.033 χ^2 /NDF: 2775338.1/30

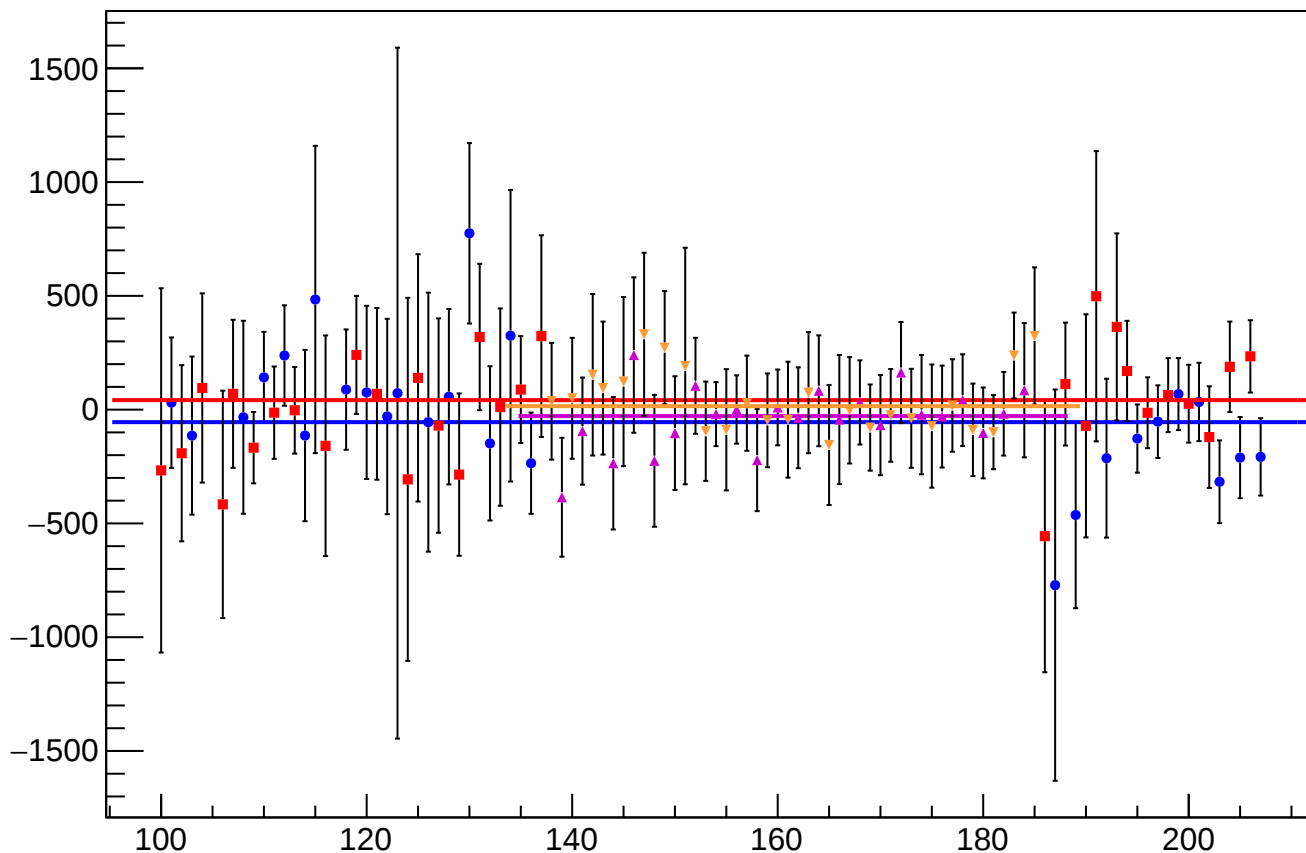
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 184.920 $\pm$ 0.024 χ^2 /NDF: 4175108.5/51

All: 180.087 $\pm$ 0.017 χ^2 /NDF: 8673653.9/109

- sign 175.678 $\pm$ 0.023 χ^2 /NDF: 4421405.9/53

asym_bcm_an_us_mean vs Slug



Right In: -54.968 ± 48.525 χ^2/NDF : 16.1/26

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 41.709 ± 47.164 χ^2/NDF : 11.6/30

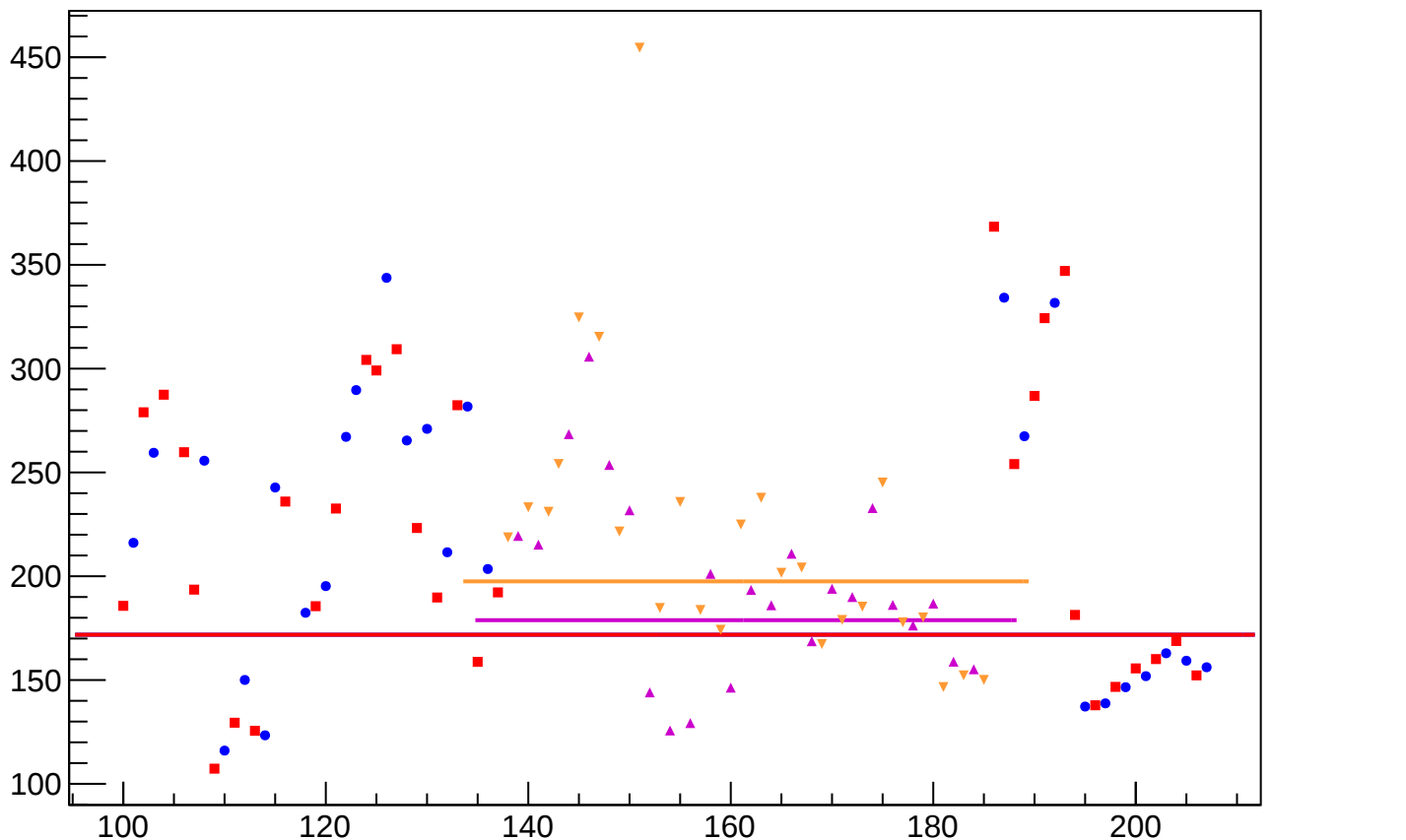
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign -19.158 ± 34.015 χ^2/NDF : 24.2/51

All: -6.580 ± 23.483 χ^2/NDF : 43.6/105

- sign 4.874 ± 32.460 χ^2/NDF : 19.1/53

asym_bcm_an_us_rms vs Slug



Right In: 171.827 $\pm$ 0.034 χ^2 /NDF: 2059295.1/26

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 171.820 $\pm$ 0.033 χ^2 /NDF: 2730187.6/30

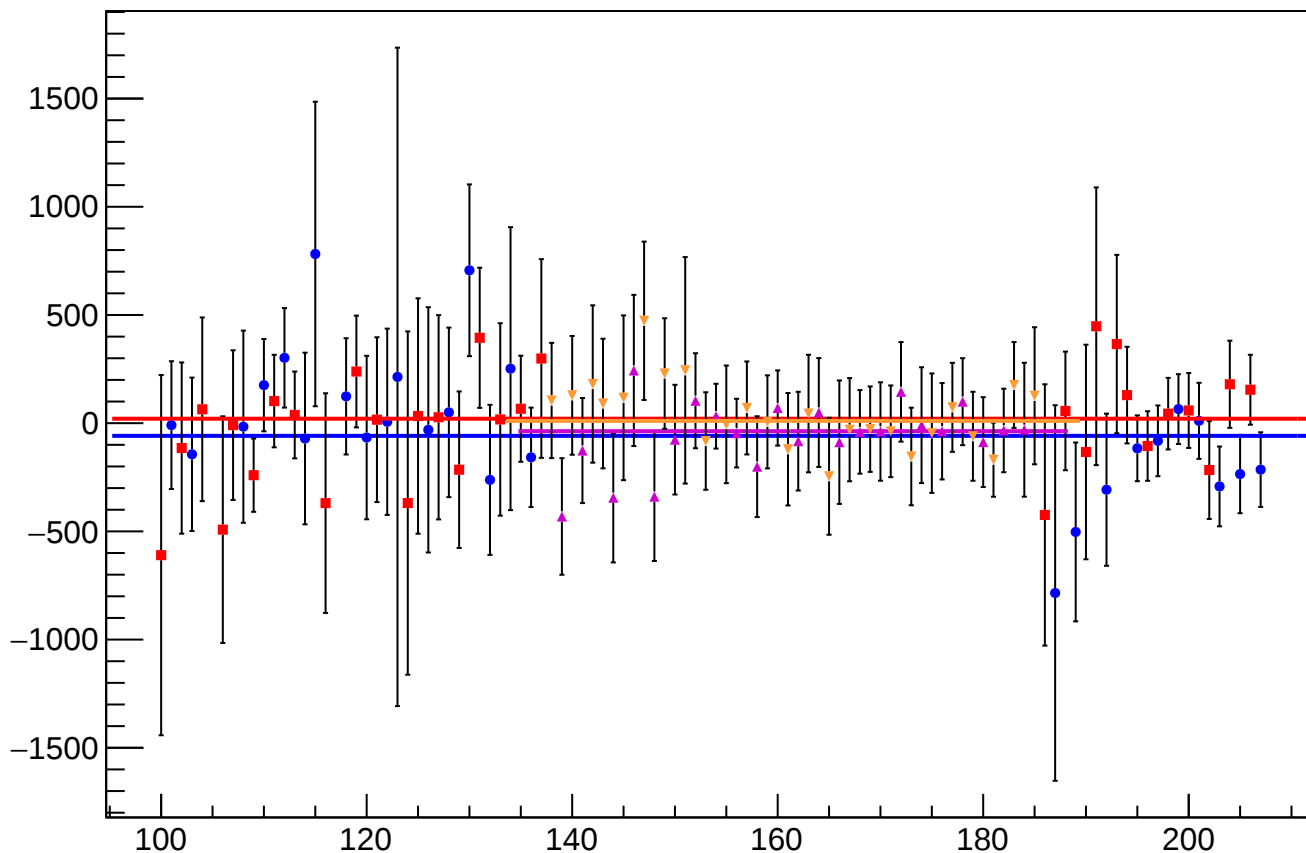
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 184.899 $\pm$ 0.024 χ^2 /NDF: 4128862.1/51

All: 179.986 $\pm$ 0.017 χ^2 /NDF: 8584325.6/105

- sign 175.512 $\pm$ 0.023 χ^2 /NDF: 4375749.2/53

asym_bcm_dg_us_mean vs Slug



Right In: -58.572 ± 49.603 χ^2/NDF : 16.9/26

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 20.690 ± 48.480 χ^2/NDF : 13.0/30

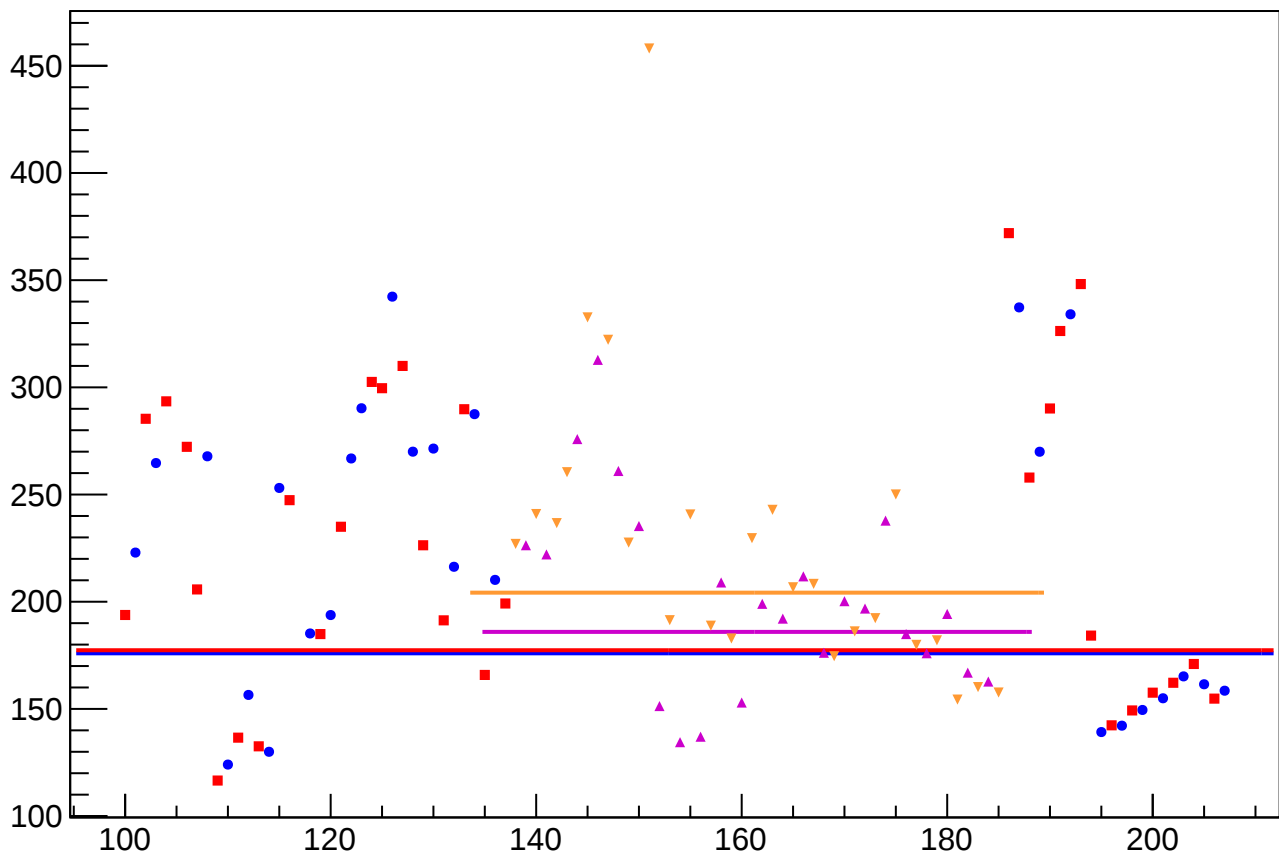
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -23.735 ± 34.930 χ^2/NDF : 25.3/51

All: -16.293 ± 24.180 χ^2/NDF : 47.1/105

- sign -9.445 ± 33.505 χ^2/NDF : 21.7/53

asym_bcm_dg_us_rms vs Slug



Right In: 175.933 $\pm$ 0.035 χ^2 /NDF: 1987619.7/26

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 177.371 $\pm$ 0.034 χ^2 /NDF: 2545893.8/30

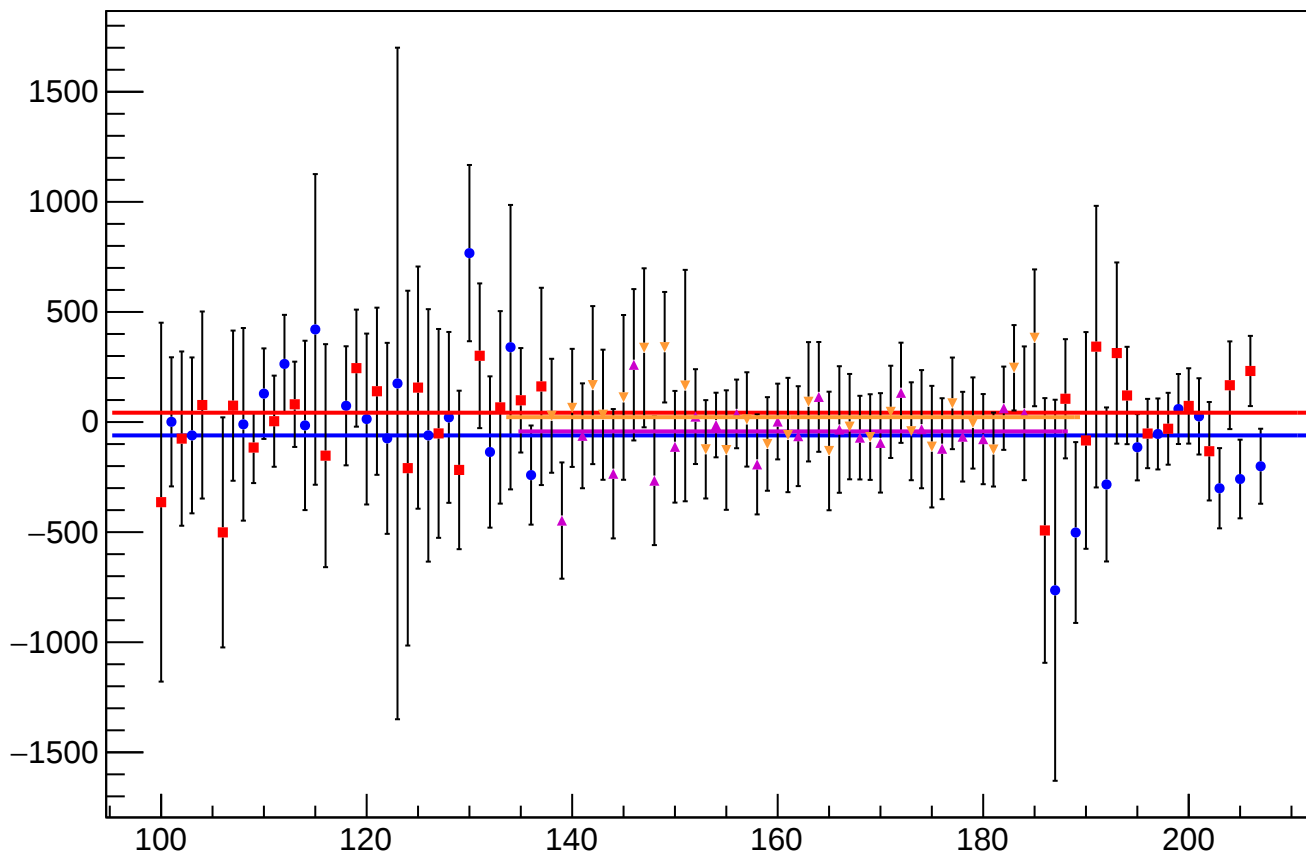
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 190.201 $\pm$ 0.025 χ^2 /NDF: 3991523.9/51

All: 185.848 $\pm$ 0.017 χ^2 /NDF: 8089703.4/105

- sign 181.843 $\pm$ 0.024 χ^2 /NDF: 4038535.3/53

asym_bcm_dg_ds_mean vs Slug



Right In: -60.709 ± 48.978 χ^2/NDF : 16.0/26

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 42.456 ± 47.708 χ^2/NDF : 9.4/30

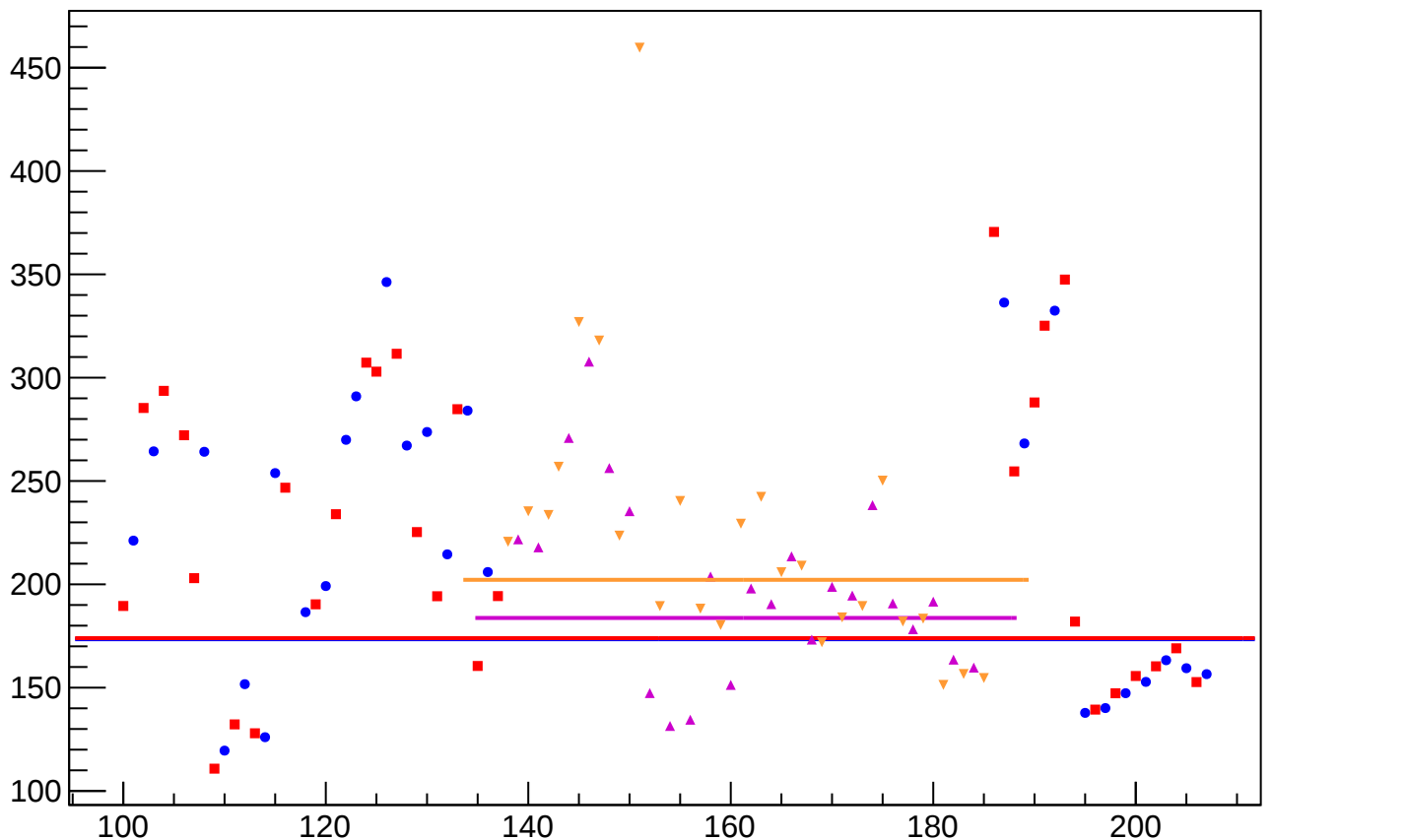
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -19.057 ± 34.548 χ^2/NDF : 25.8/51

All: -9.982 ± 23.886 χ^2/NDF : 43.8/105

- sign -1.670 ± 33.062 χ^2/NDF : 17.8/53

asym_bcm_dg_ds_rms vs Slug



Right In: 173.437 ± 0.035 χ^2/NDF : 2069503.9/26

Left Out: 202.186 ± 0.034 χ^2/NDF : 1696571.9/24

Right Out: 173.957 ± 0.034 χ^2/NDF : 2709043.8/30

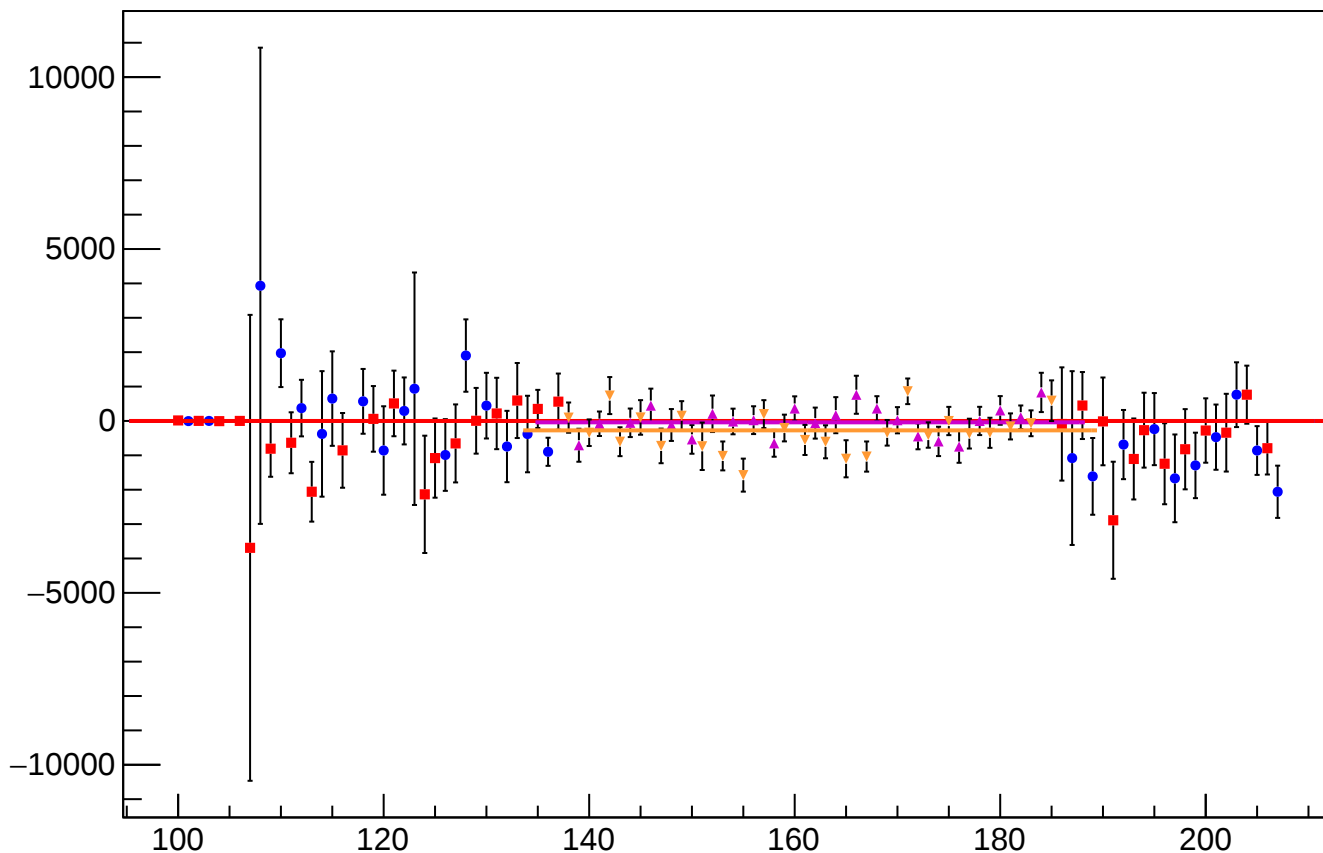
Left In: 183.732 ± 0.032 χ^2/NDF : 1495930.4/22

+ sign 187.882 ± 0.024 χ^2/NDF : 4112314.0/51

All: 183.265 ± 0.017 χ^2/NDF : 8429351.1/105

- sign 179.037 ± 0.023 χ^2/NDF : 4248615.8/53

asym_cav4bQ_mean vs Slug



Right In: -1.578 ± 2.251 χ^2/NDF : 32.9/26

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.748 ± 2.111 χ^2/NDF : 25.9/30

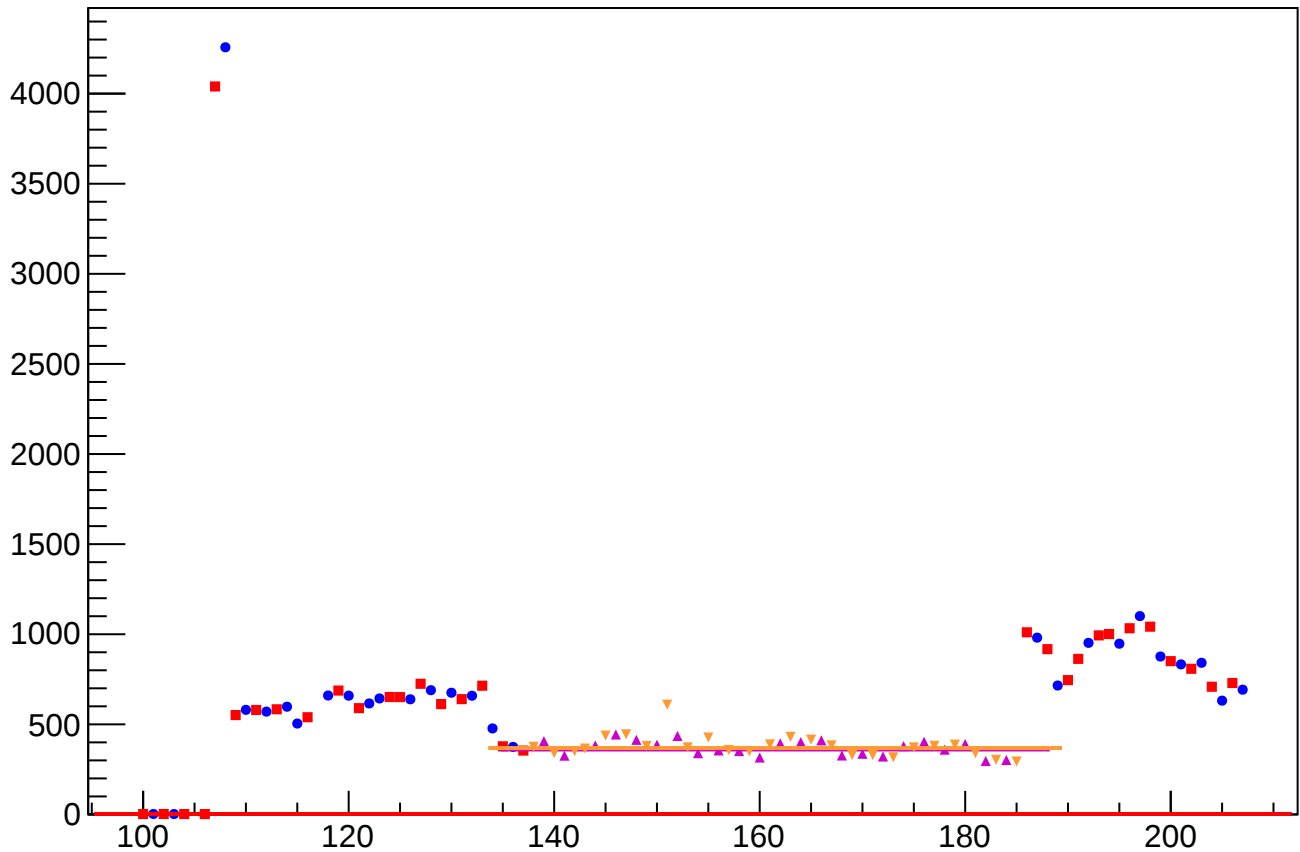
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.761 ± 2.251 χ^2/NDF : 81.1/51

All: -1.234 ± 1.539 χ^2/NDF : 127.5/105

- sign -0.772 ± 2.110 χ^2/NDF : 46.3/53

asym_cav4bQ_rms vs Slug



Right In: 2.499 ± 0.002 χ^2/NDF : 24699926.6/26

Left Out: 368.500 ± 0.061 χ^2/NDF : 623011.6/24

Right Out: 2.477 ± 0.001 χ^2/NDF : 26879535.6/30

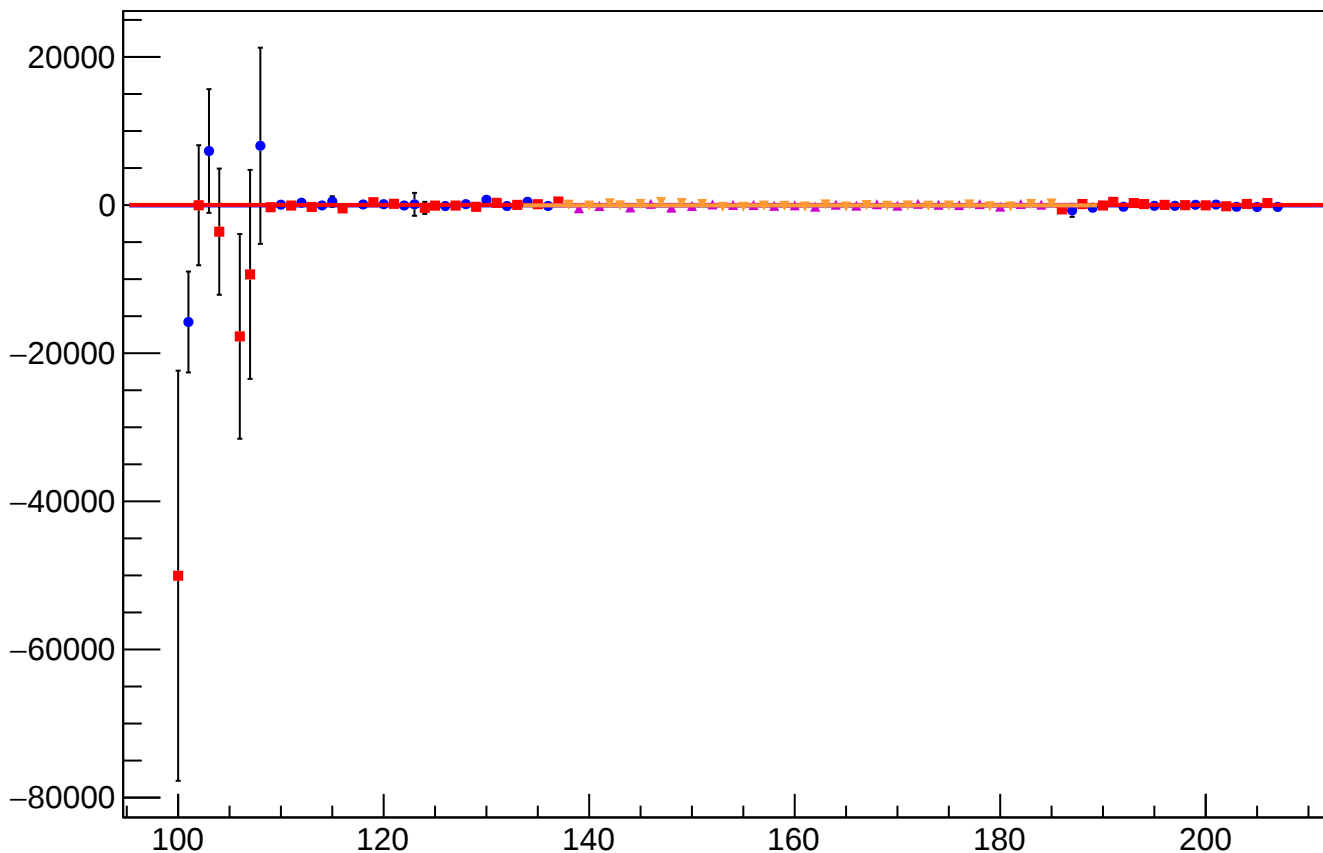
Left In: 360.571 ± 0.062 χ^2/NDF : 421995.5/22

+ sign 2.745 ± 0.002 χ^2/NDF : 60801900.5/51

All: 2.713 ± 0.001 χ^2/NDF : 121604994.8/105

- sign 2.685 ± 0.001 χ^2/NDF : 60802350.1/53

asym_cav4cQ_mean vs Slug



Right In: -48.960 ± 53.742 χ^2/NDF : 20.1/26

Left Out: -39.036 ± 49.576 χ^2/NDF : 9.1/24

Right Out: 24.662 ± 53.289 χ^2/NDF : 20.0/30

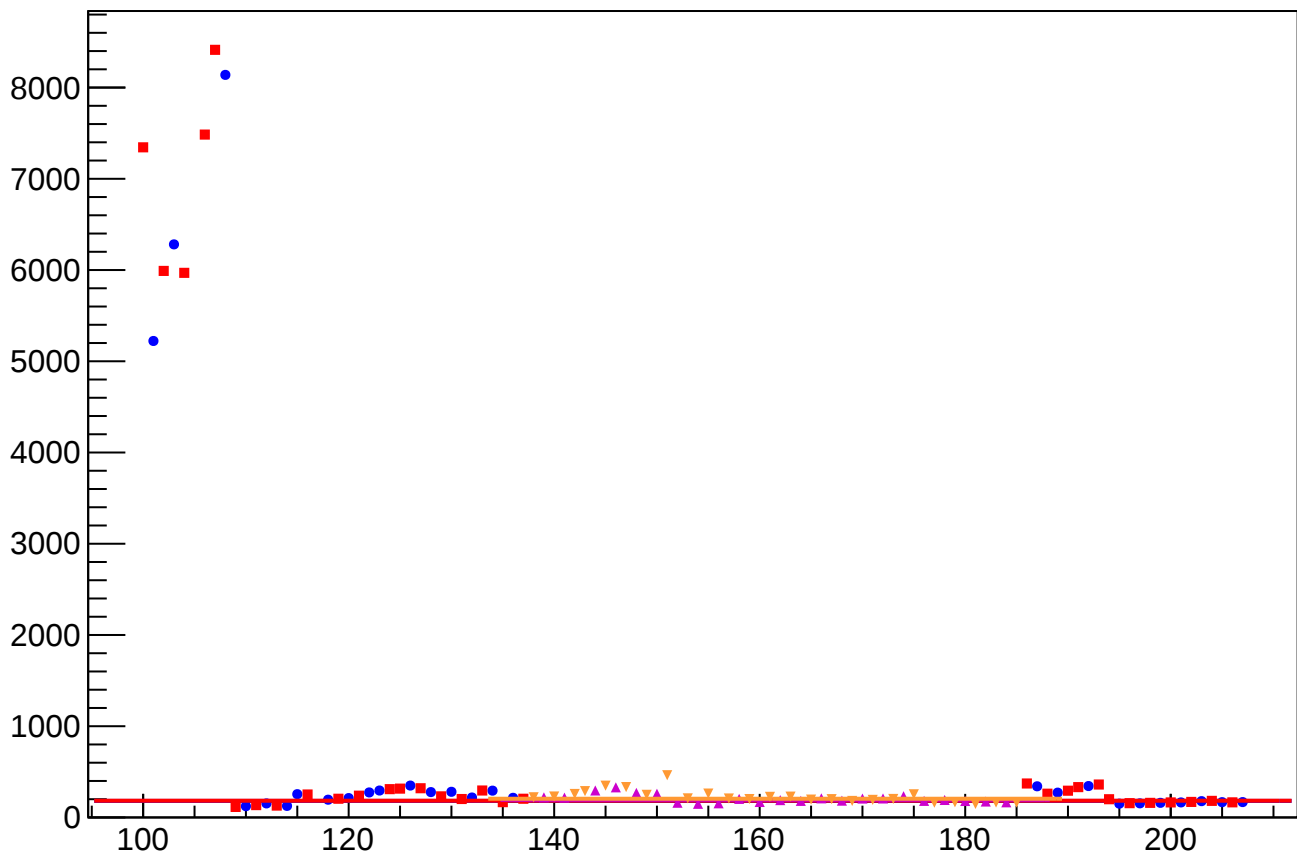
Left In: -28.062 ± 48.032 χ^2/NDF : 9.6/22

+ sign -43.598 ± 36.439 χ^2/NDF : 29.3/51

All: -23.600 ± 25.493 χ^2/NDF : 60.0/105

- sign -4.428 ± 35.678 χ^2/NDF : 30.1/53

asym_cav4cQ_rms vs Slug



Right In: 181.182 $\pm$ 0.038 χ^2 /NDF: 4505347.2/26

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF:1957484.4/24

Right Out: 183.464 $\pm$ 0.038 χ^2 /NDF: 5354367.0/30

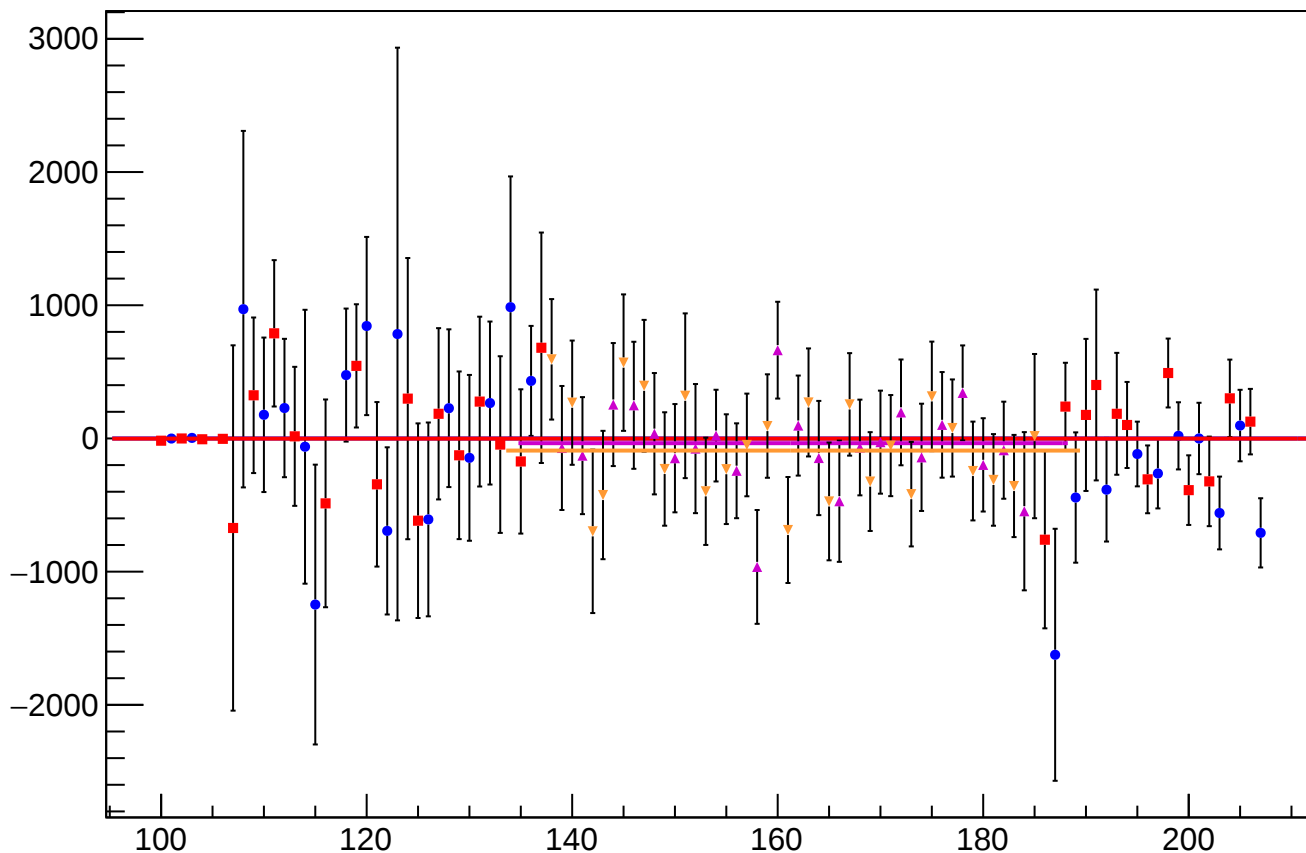
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 194.111 $\pm$ 0.026 χ^2 /NDF: 6677099.3/51

All: 191.535 $\pm$ 0.018 χ^2 /NDF: 13270567.4/10

- sign 189.065 $\pm$ 0.025 χ^2 /NDF: 6573888.6/53

asym_cav4dQ_mean vs Slug



Right In: -0.226 ± 1.736 χ^2/NDF : 27.9/26

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.313 ± 1.622 χ^2/NDF : 21.3/30

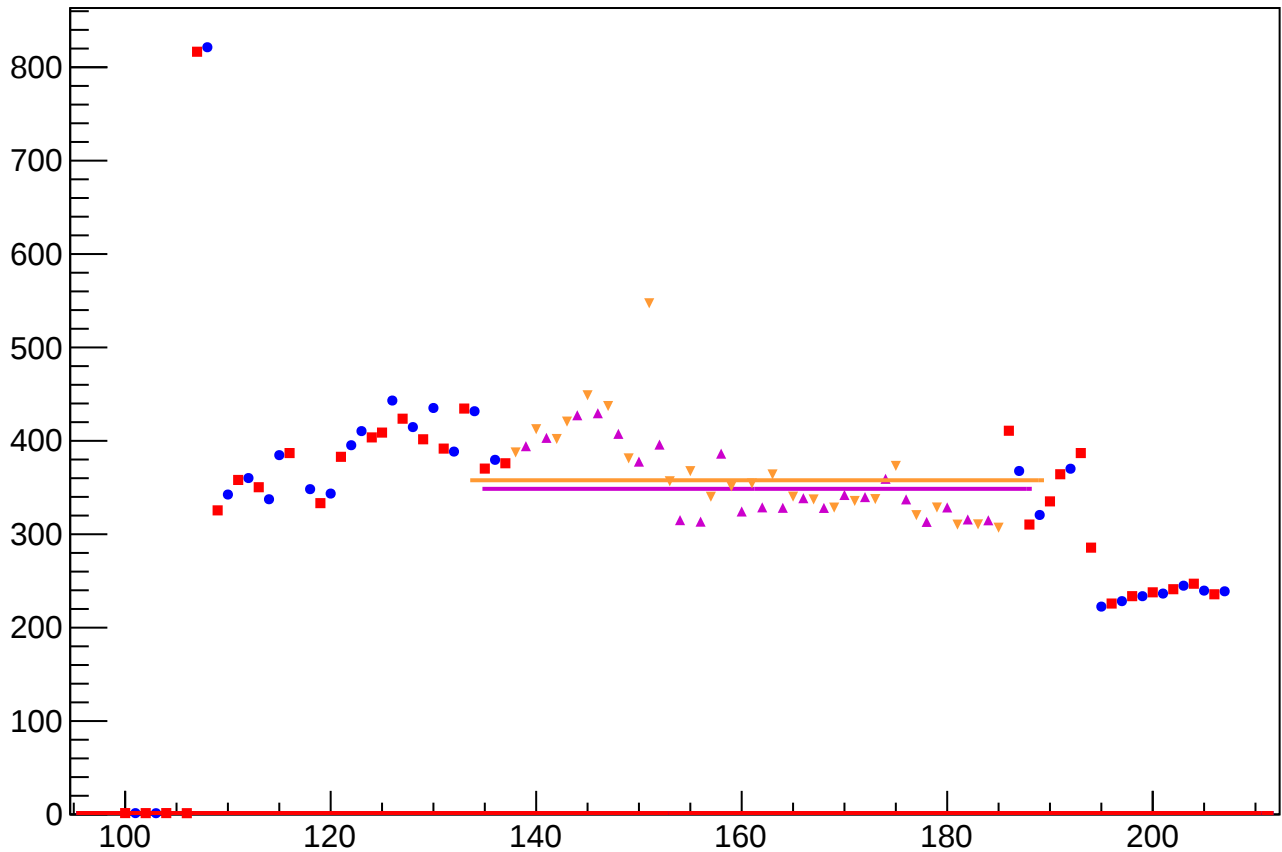
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.265 ± 1.736 χ^2/NDF : 45.5/51

All: -0.831 ± 1.185 χ^2/NDF : 80.6/105

- sign -1.326 ± 1.622 χ^2/NDF : 34.9/53

asym_cav4dQ_rms vs Slug



Right In: 1.537 ± 0.001 χ^2/NDF : 24936812.9/26

Left Out: 357.804 ± 0.059 χ^2/NDF : 547036.5/24

Right Out: 1.528 ± 0.001 χ^2/NDF : 26575471.3/30

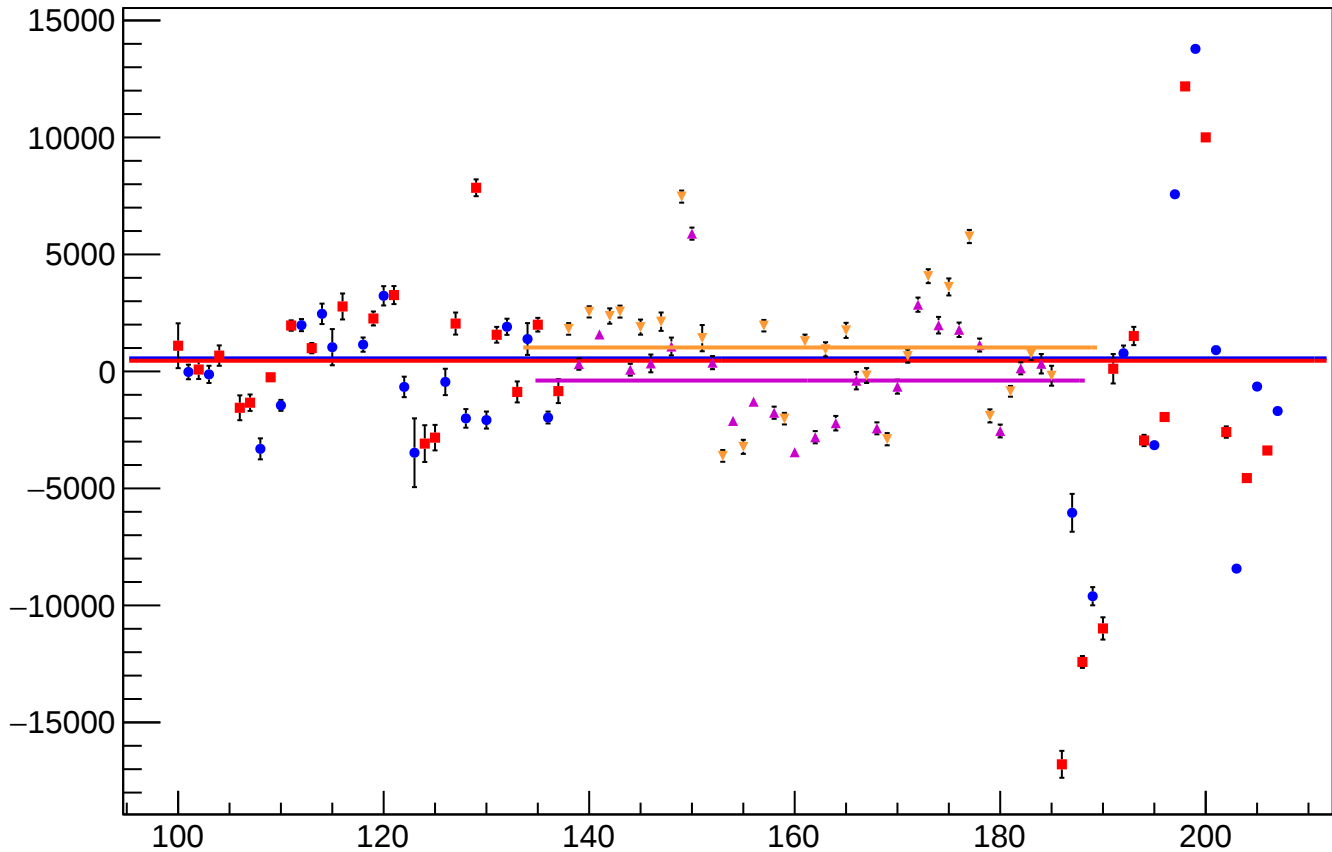
Left In: 348.611 ± 0.060 χ^2/NDF : 362511.2/22

+ sign 1.689 ± 0.001 χ^2/NDF : 61378161.0/51

All: 1.672 ± 0.001 χ^2/NDF : 122141100.2/105

- sign 1.656 ± 0.001 χ^2/NDF : 60762564.6/53

asym_bcm0l02_mean vs Slug



Right In: 557.786 $\pm$ 53.345 χ^2 /NDF: 11007.4/26

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF:2309.4/24

Right Out: 456.540 $\pm$ 51.559 χ^2 /NDF: 13208.9/30

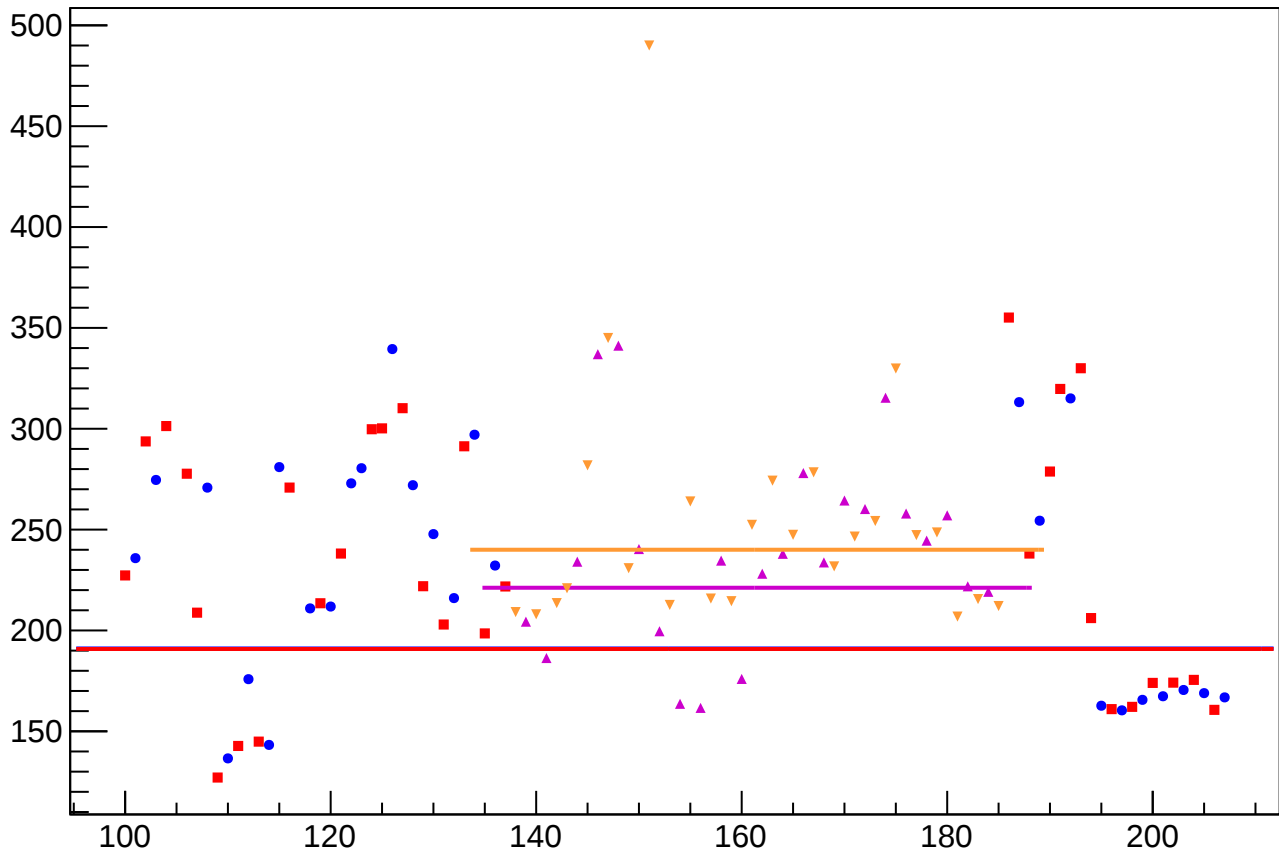
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF:1584.9/22

+ sign 773.837 $\pm$ 39.056 χ^2 /NDF: 13352.1/51

All: 403.269 $\pm$ 27.085 χ^2 /NDF: 28445.7/105

- sign 59.938 $\pm$ 37.593 χ^2 /NDF: 14920.2/53

asym_bcm0l02_rms vs Slug



Right In: 191.059+/-0.038 χ^2/NDF : 1489259.7/26

Left Out: 240.019+/-0.041 χ^2/NDF :1002427.9/24

Right Out: 190.818+/-0.036 χ^2/NDF : 2050485.7/30

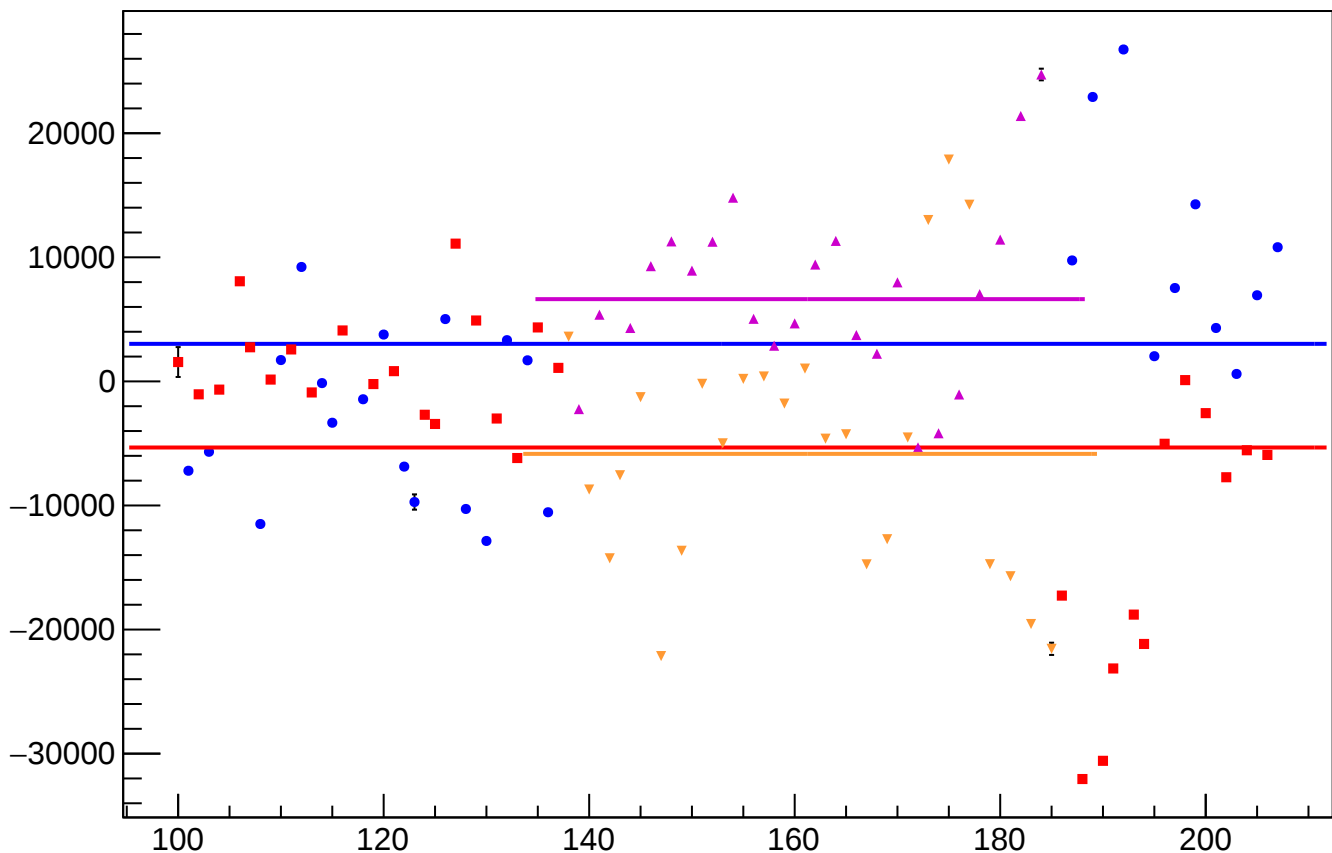
Left In: 221.173+/-0.039 χ^2/NDF :1342517.8/22

+ sign 213.775+/-0.028 χ^2/NDF : 3273351.8/51

All: 209.238+/-0.019 χ^2/NDF : 7043036.1/109

- sign 205.035+/-0.027 χ^2/NDF : 3717693.9/53

asym_bpm2i01WS_mean vs Slug



Right In: 3025.869+/-36.504 χ^2/NDF : 79989.1/26

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -5327.795+/-34.404 χ^2/NDF : 101442.6/30

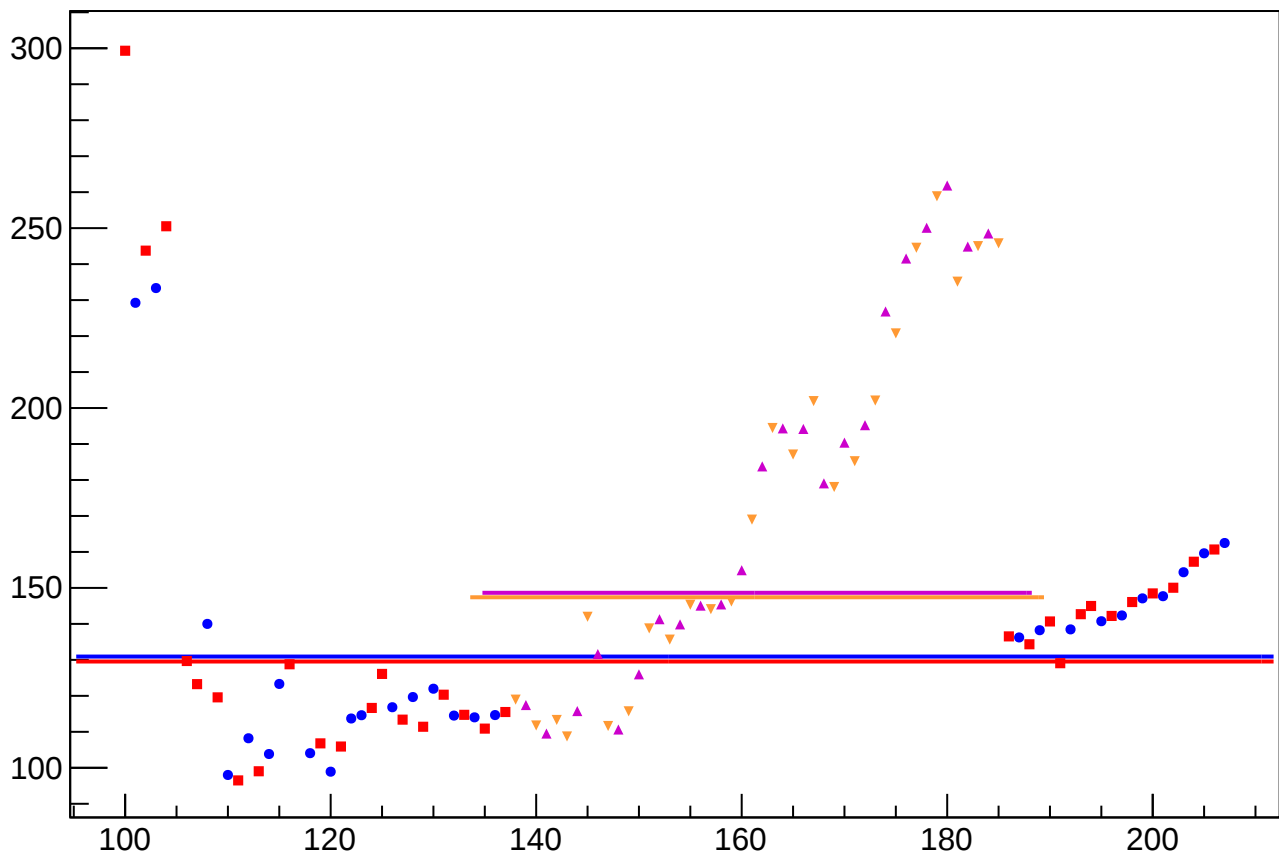
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -1488.328+/-25.577 χ^2/NDF : 173426.1/51

All: -637.988+/-17.967 χ^2/NDF : 354531.4/10

- sign 190.436+/-25.245 χ^2/NDF : 178923.1/53

asym_bpm2i01WS_rms vs Slug



Right In: 130.921+/-0.026 χ^2/NDF : 990715.3/26

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 129.545+/-0.024 χ^2/NDF : 1070549.9/30

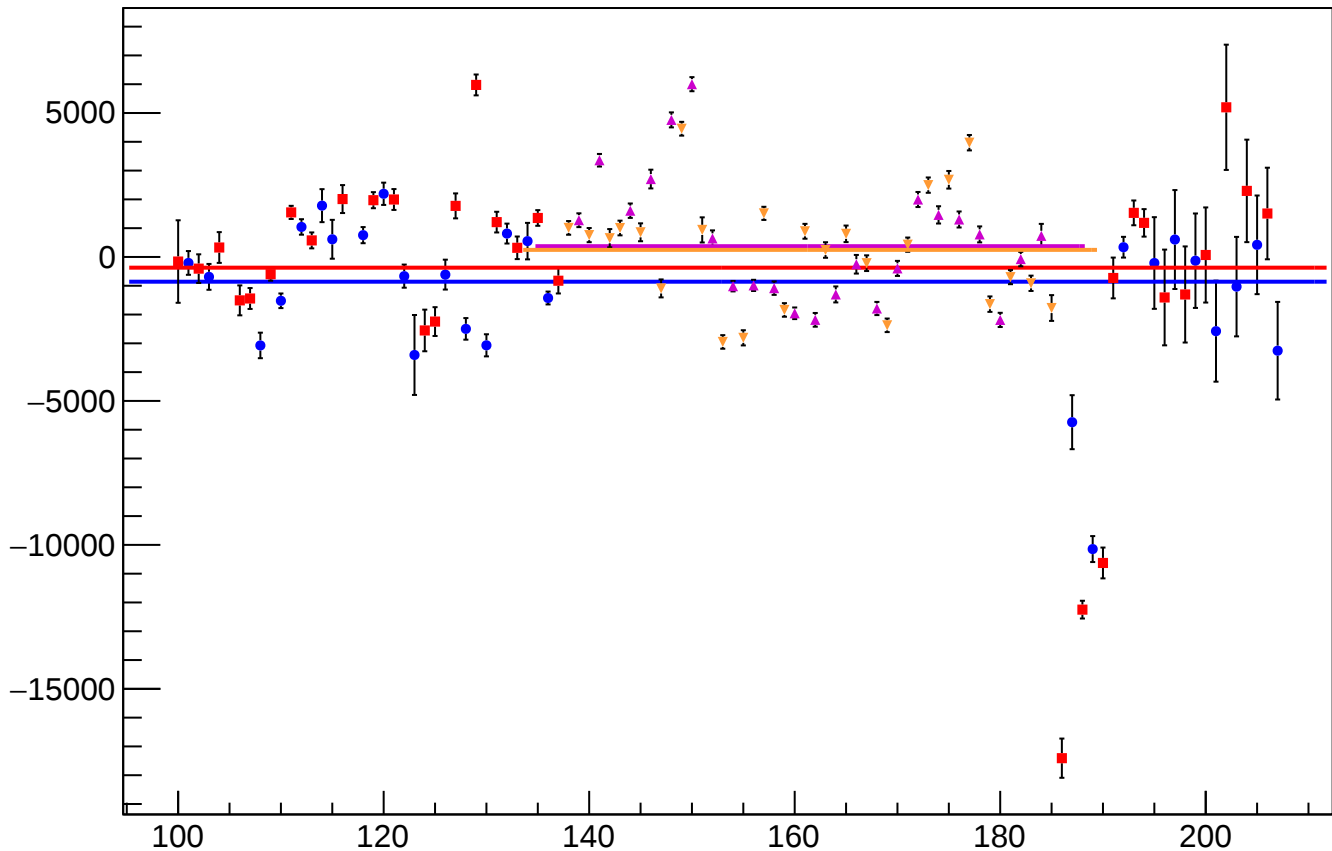
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 139.308+/-0.018 χ^2/NDF : 3715196.1/51

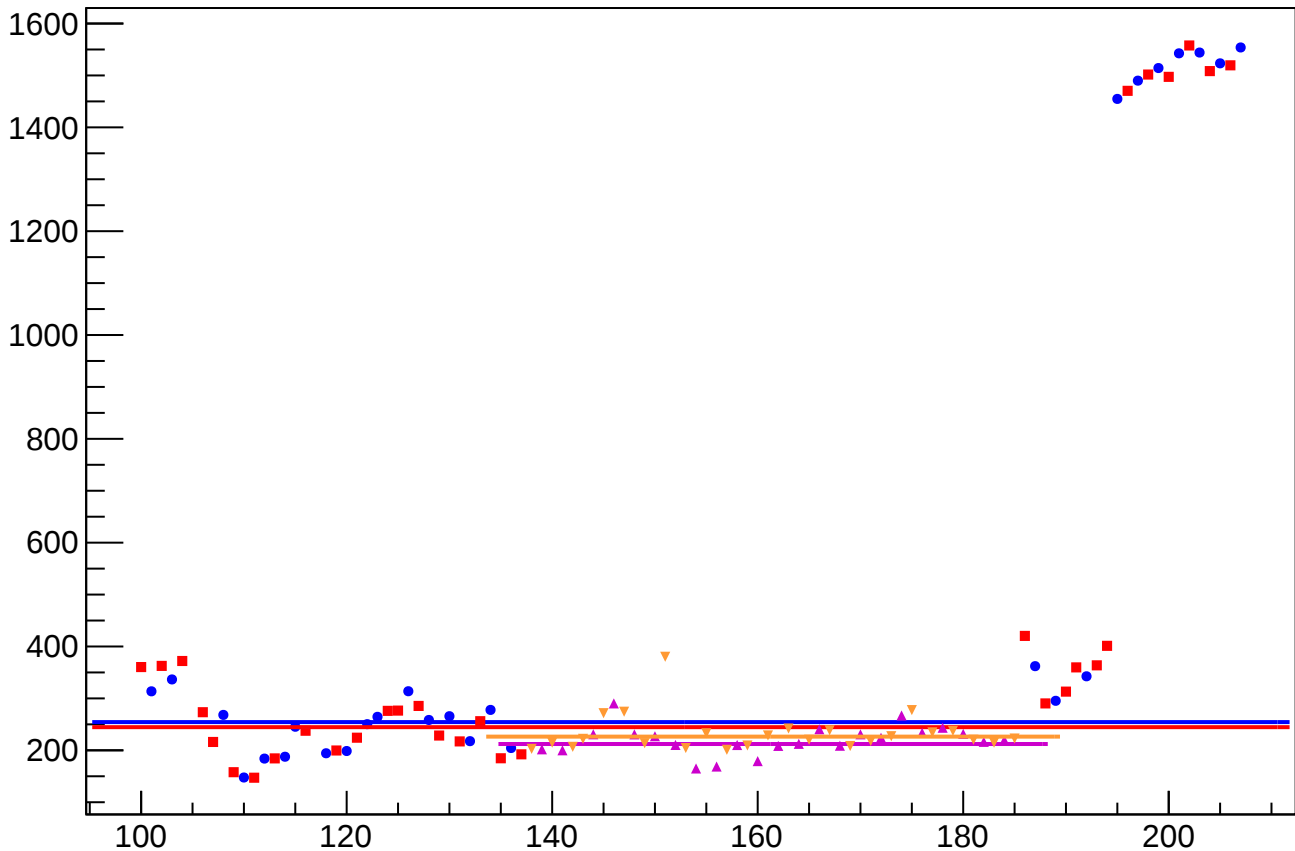
All: 138.827+/-0.013 χ^2/NDF : 7487095.4/105

- sign 138.359+/-0.018 χ^2/NDF : 3770504.4/53

asym_bpm0i07WS_mean vs Slug



asym_bpm0i07WS_rms vs Slug



Right In: 254.349 $\pm$ 0.059 χ^2 /NDF: 8894846.5/26

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 244.584 $\pm$ 0.053 χ^2 /NDF: 8269172.6/30

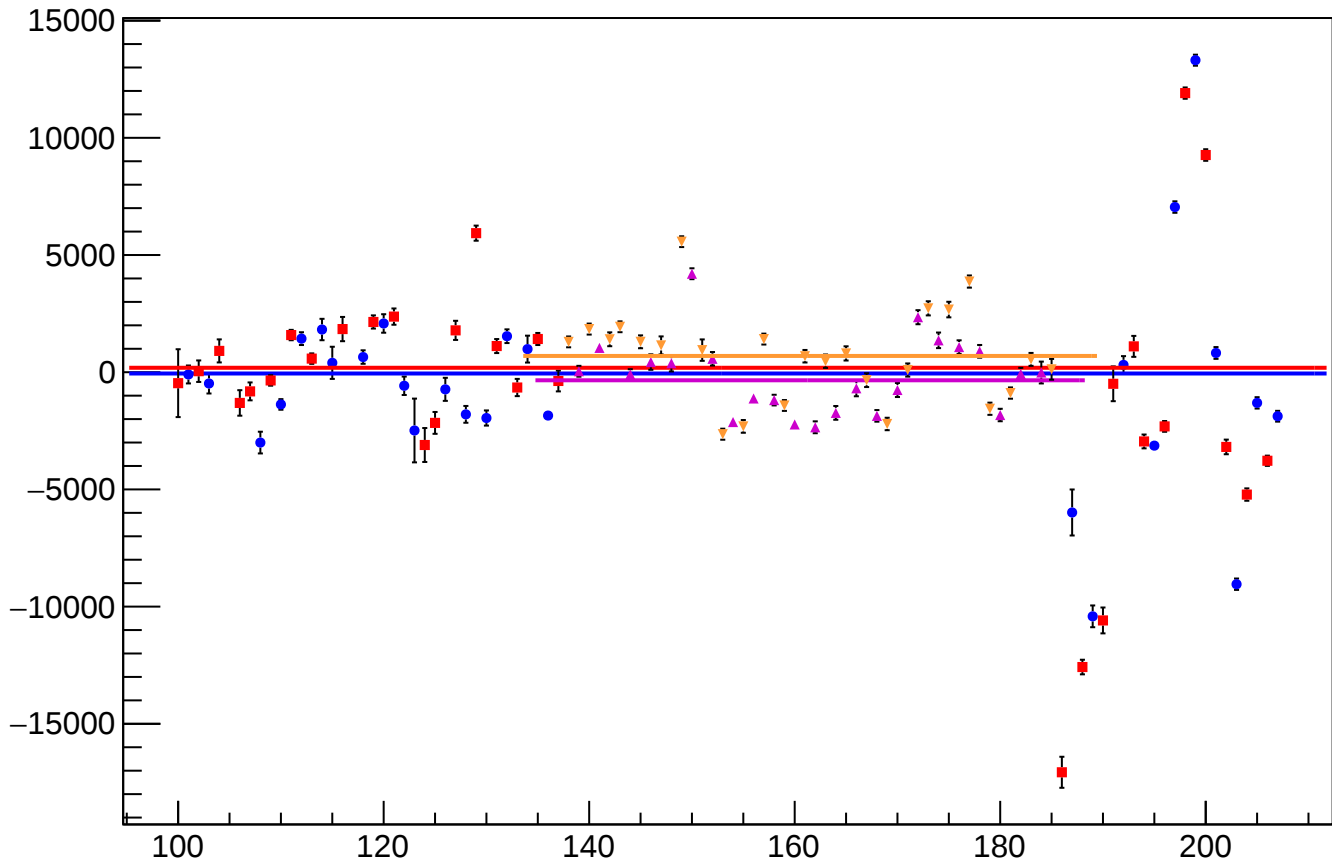
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 234.431 $\pm$ 0.032 χ^2 /NDF: 9574114.6/51

All: 228.207 $\pm$ 0.022 χ^2 /NDF: 18759952.0/10

- sign 222.644 $\pm$ 0.030 χ^2 /NDF: 9113837.1/53

asym_bpm0l01WS_mean vs Slug



Right In: -54.652 ± 59.947 χ^2/NDF : 6603.2/26

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: 189.776 ± 57.946 χ^2/NDF : 8128.4/30

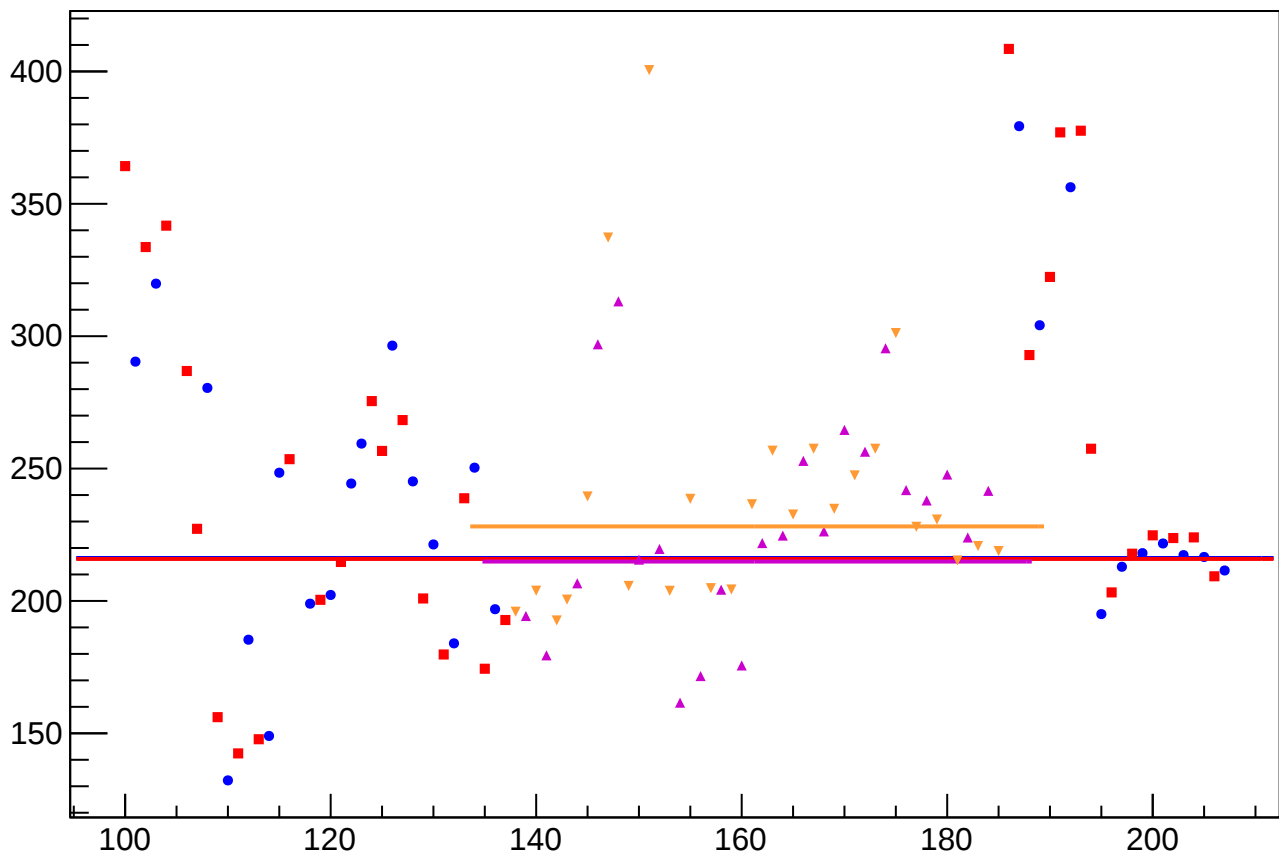
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 357.134 ± 40.223 χ^2/NDF : 8111.1/51

All: 121.317 ± 28.033 χ^2/NDF : 17337.7/105

- sign -101.403 ± 39.090 χ^2/NDF : 9159.7/53

asym_bpm0l01WS_rms vs Slug



Right In: 216.217 $\pm$ 0.042 χ^2 /NDF: 1144730.0/26

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF: 828399.3/24

Right Out: 215.868 $\pm$ 0.041 χ^2 /NDF: 1821519.6/30

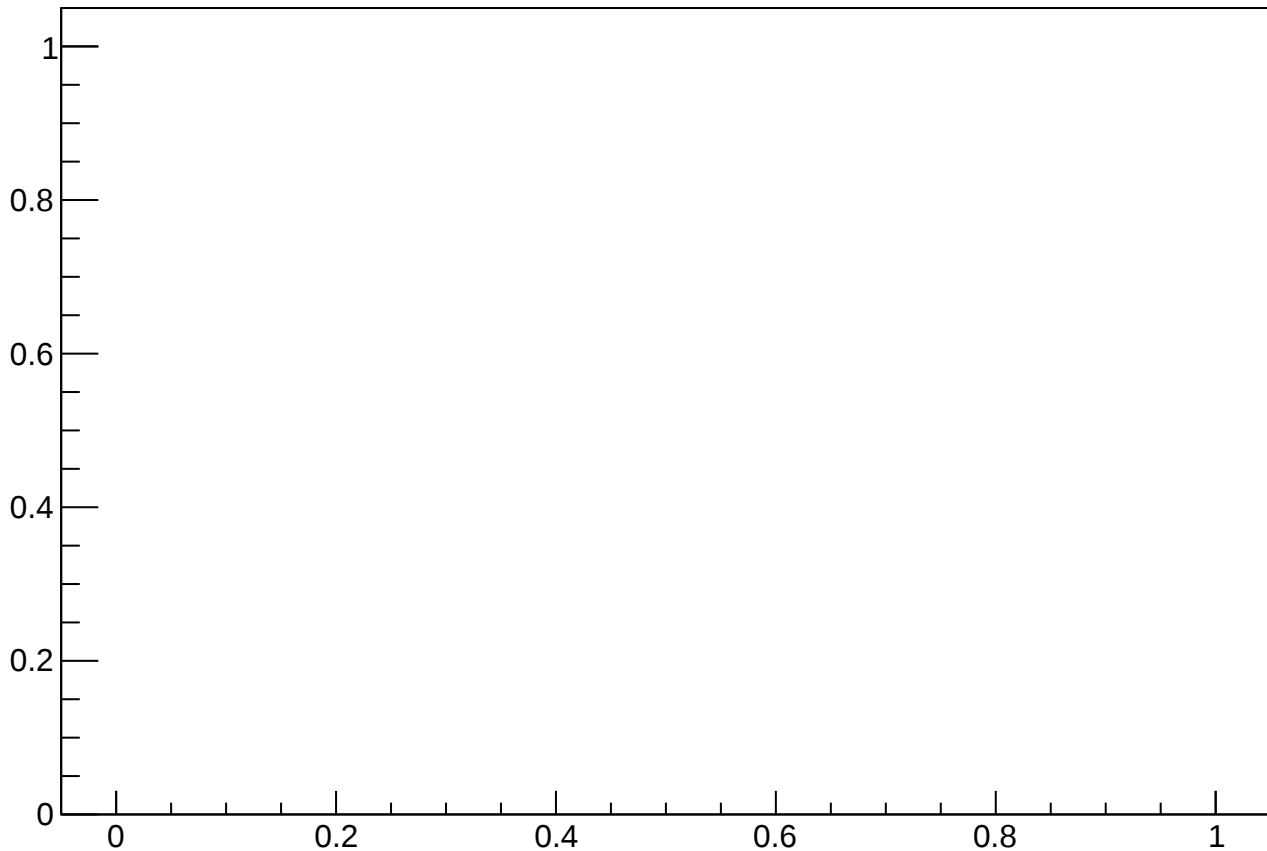
Left In: 214.878 $\pm$ 0.037 χ^2 /NDF: 1037509.6/22

+ sign 222.774 $\pm$ 0.028 χ^2 /NDF: 2016656.9/51

All: 218.945 $\pm$ 0.020 χ^2 /NDF: 4911245.4/105

- sign 215.329 $\pm$ 0.028 χ^2 /NDF: 2859347.5/53

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

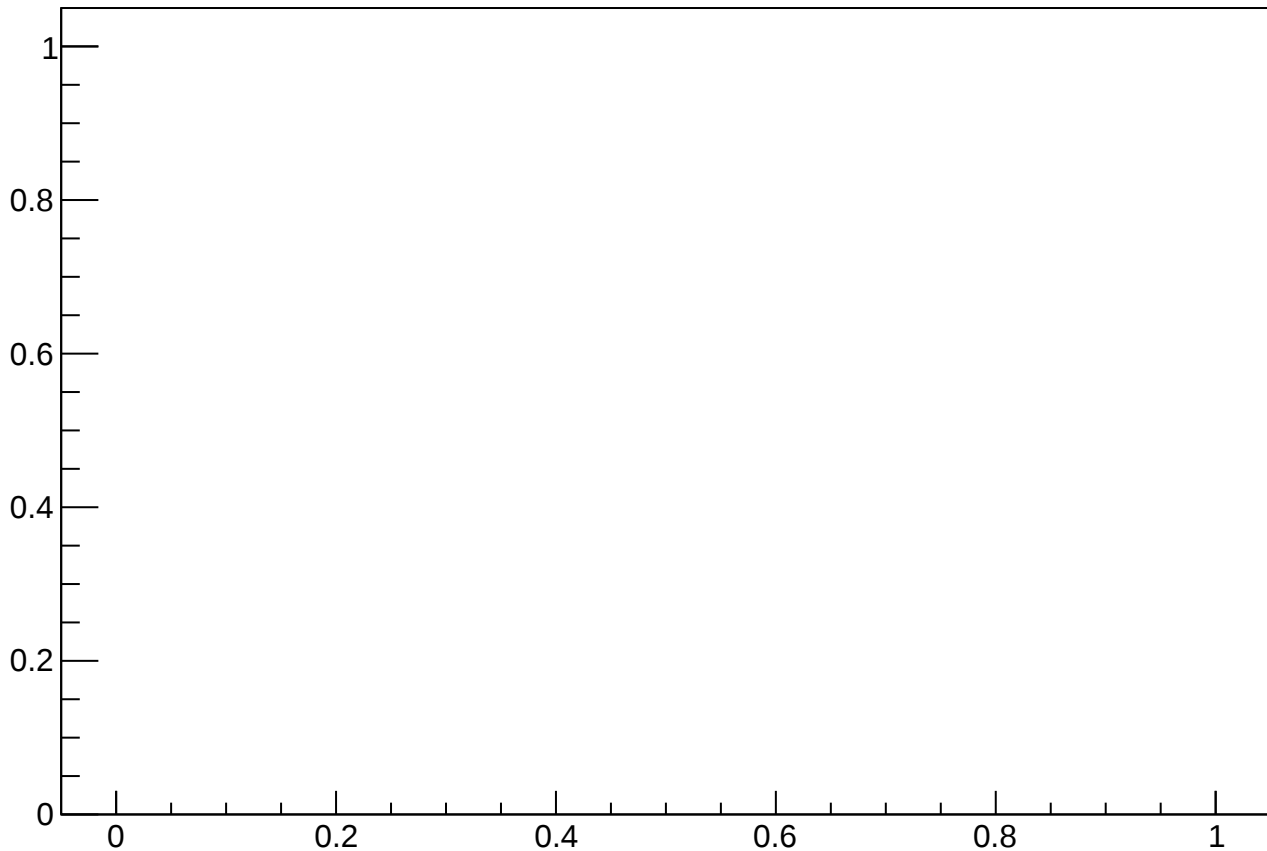
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

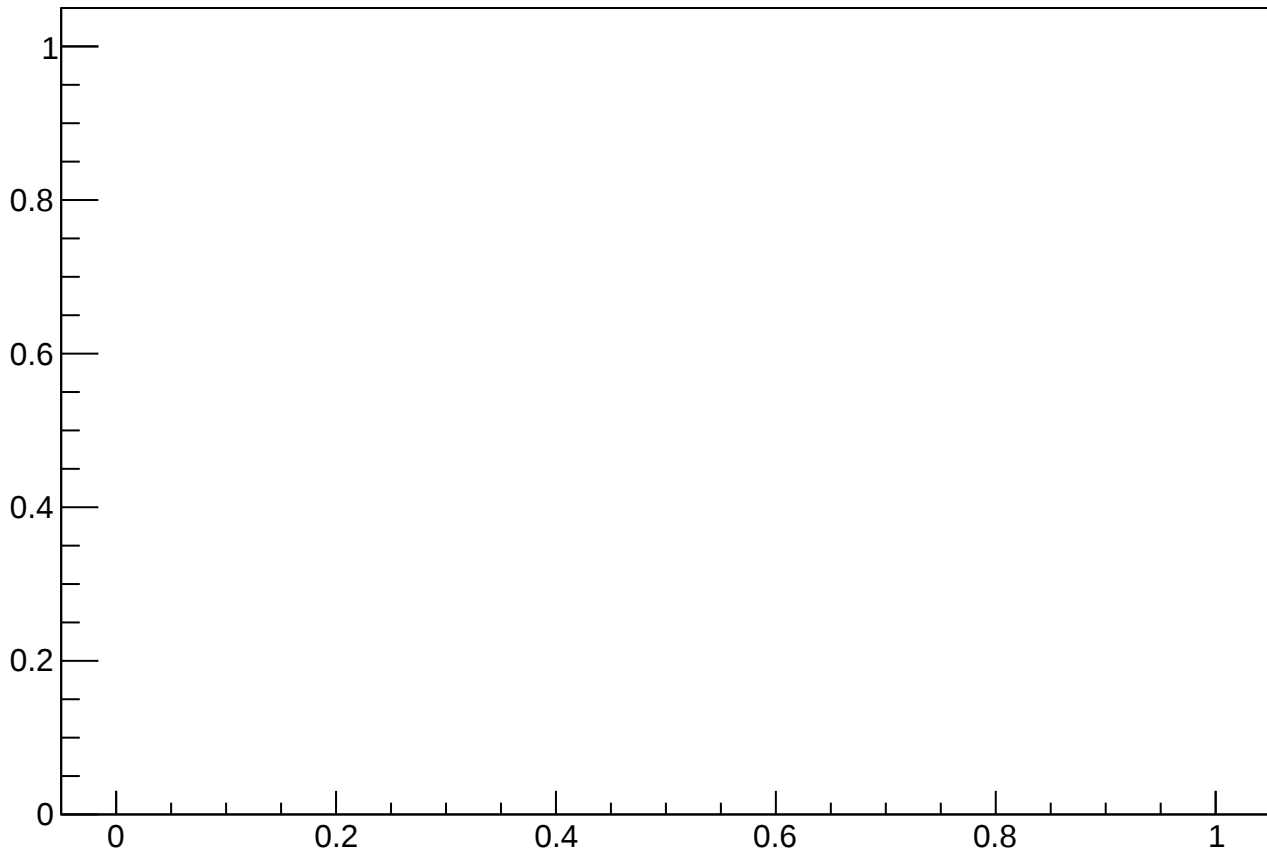
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

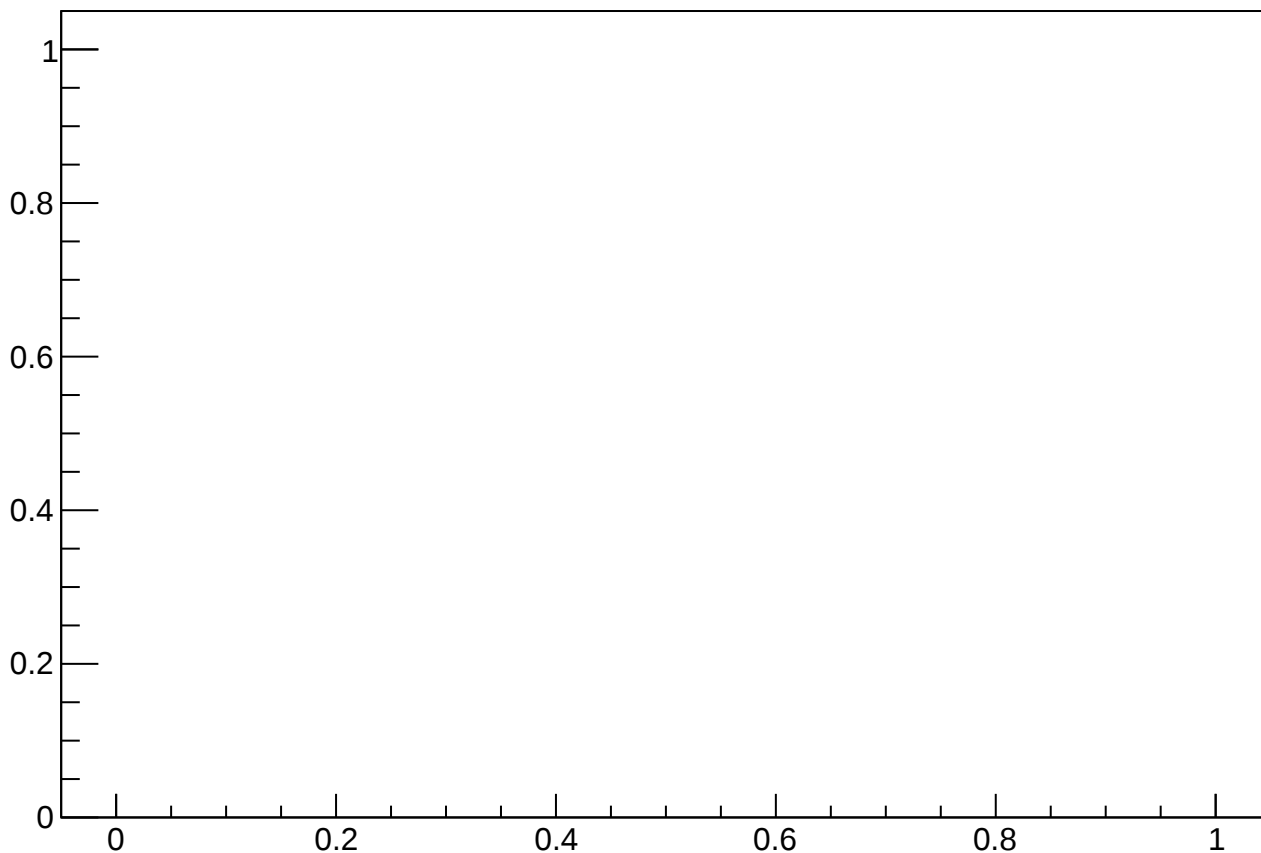
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

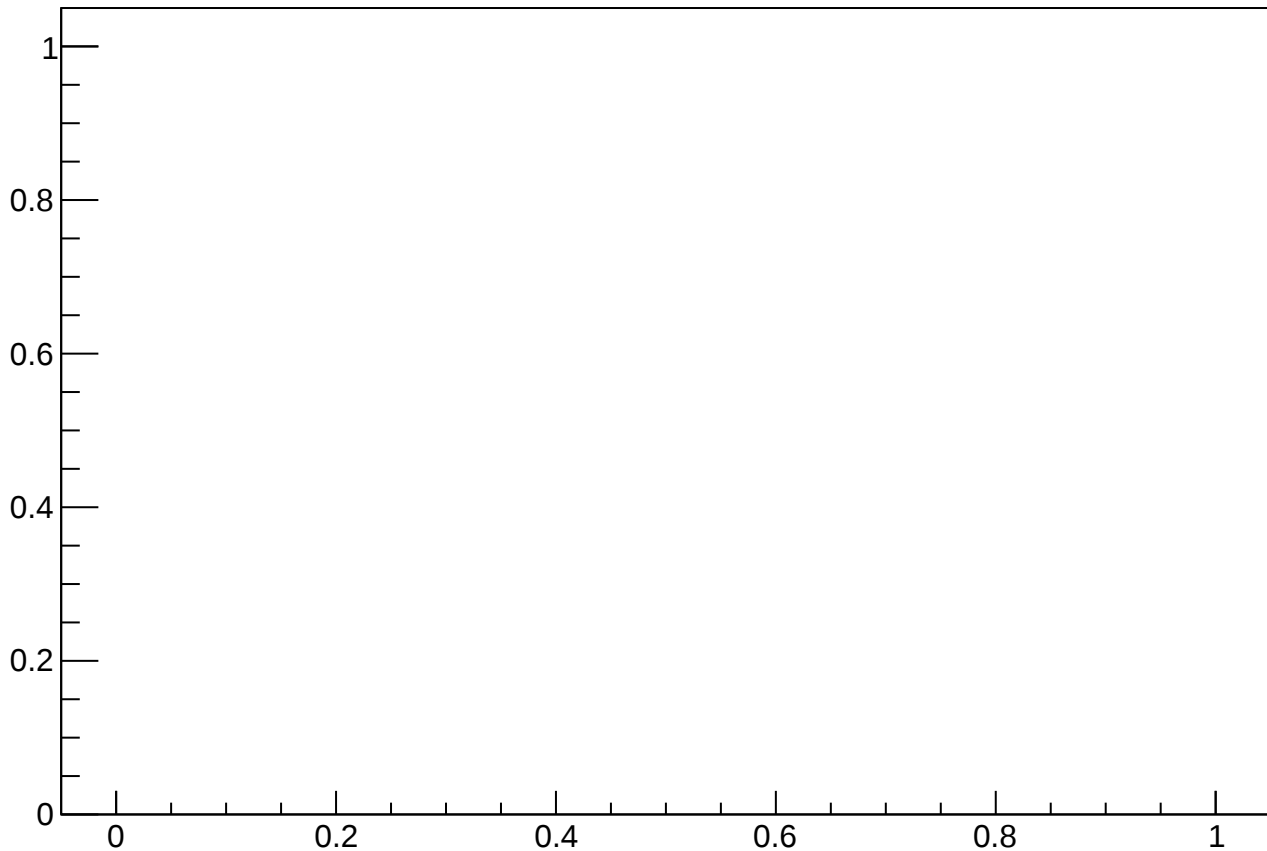
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

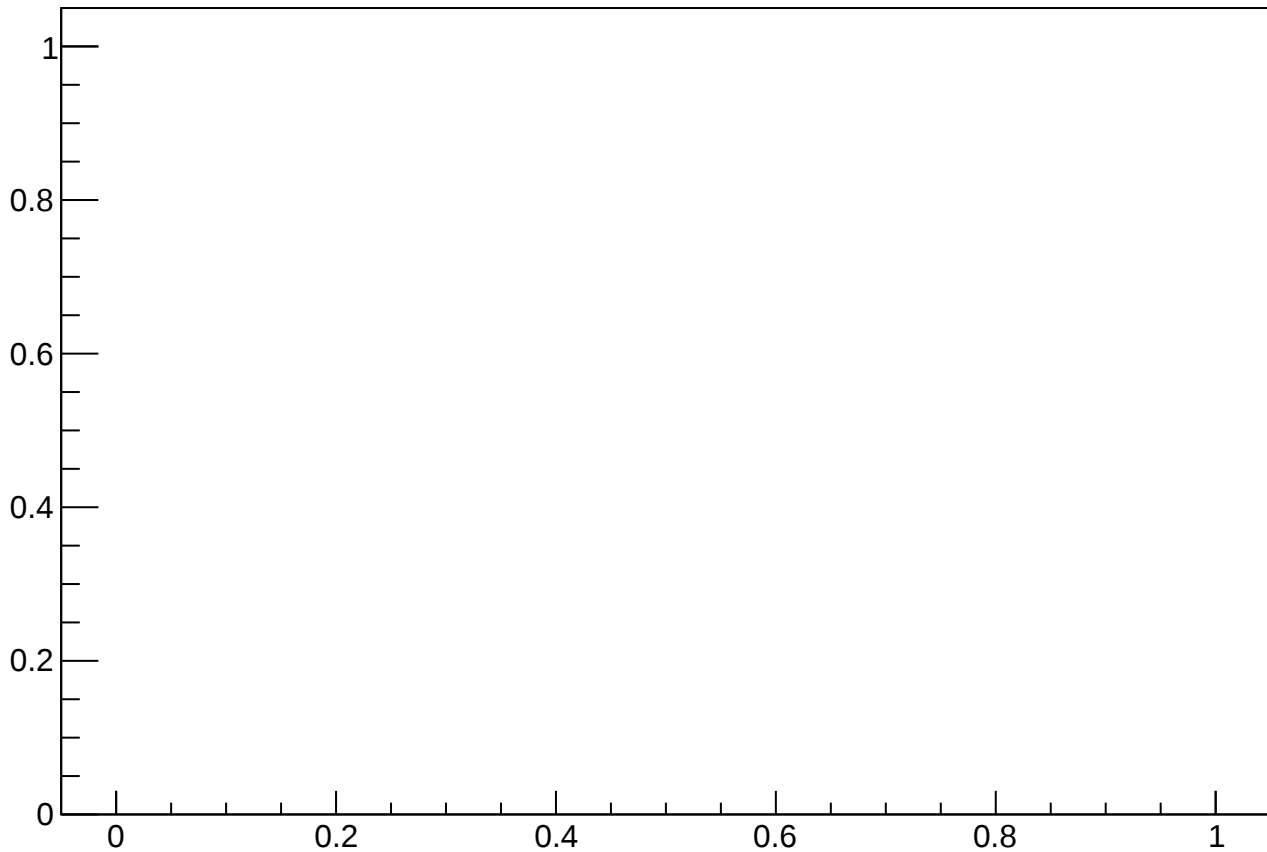
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

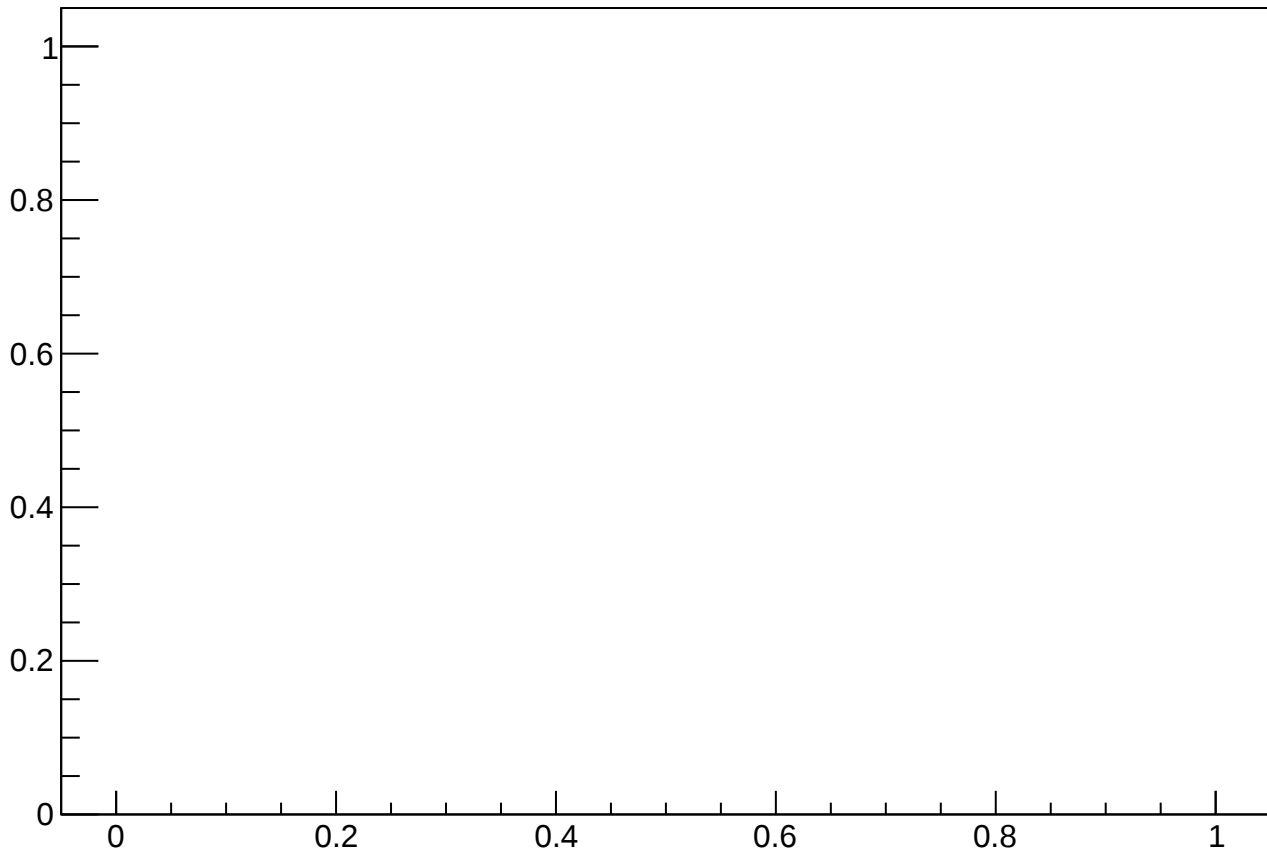
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

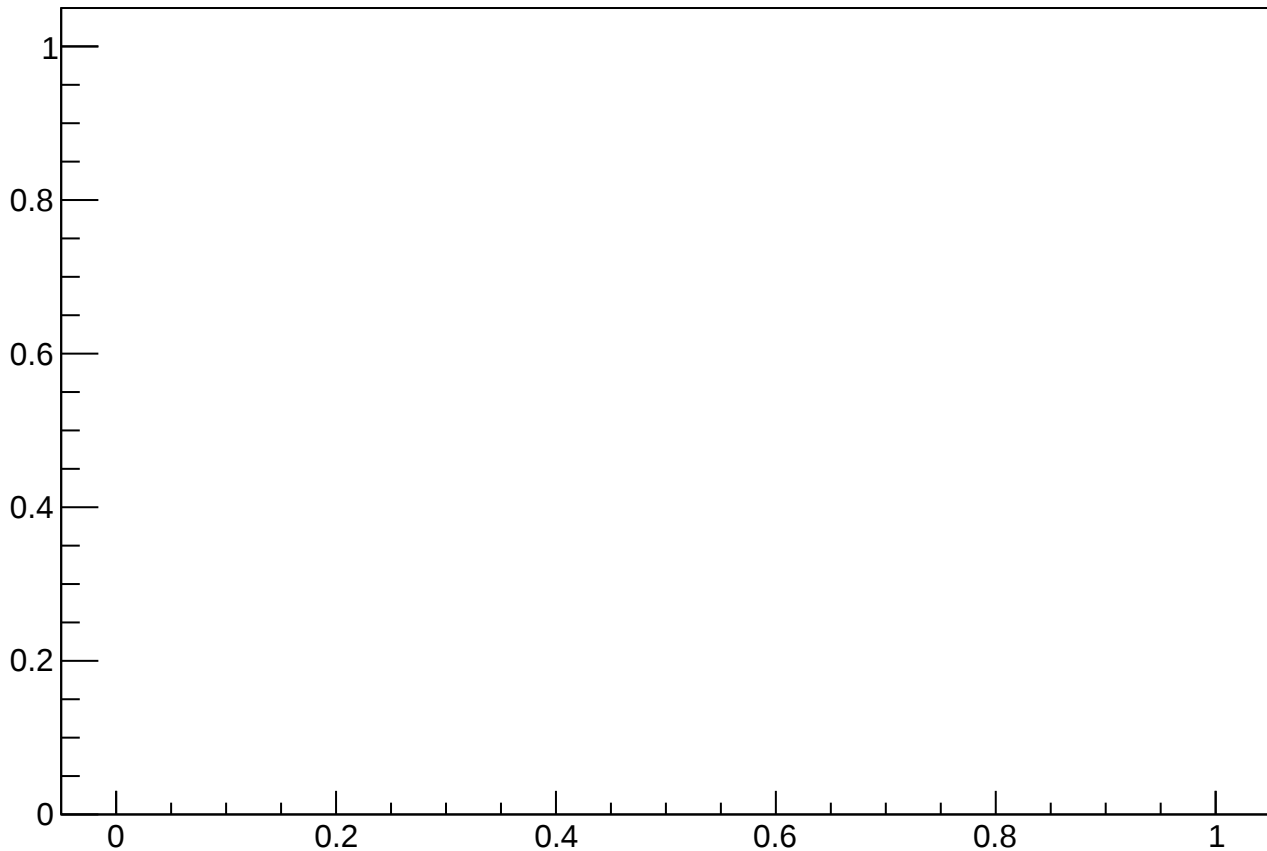
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

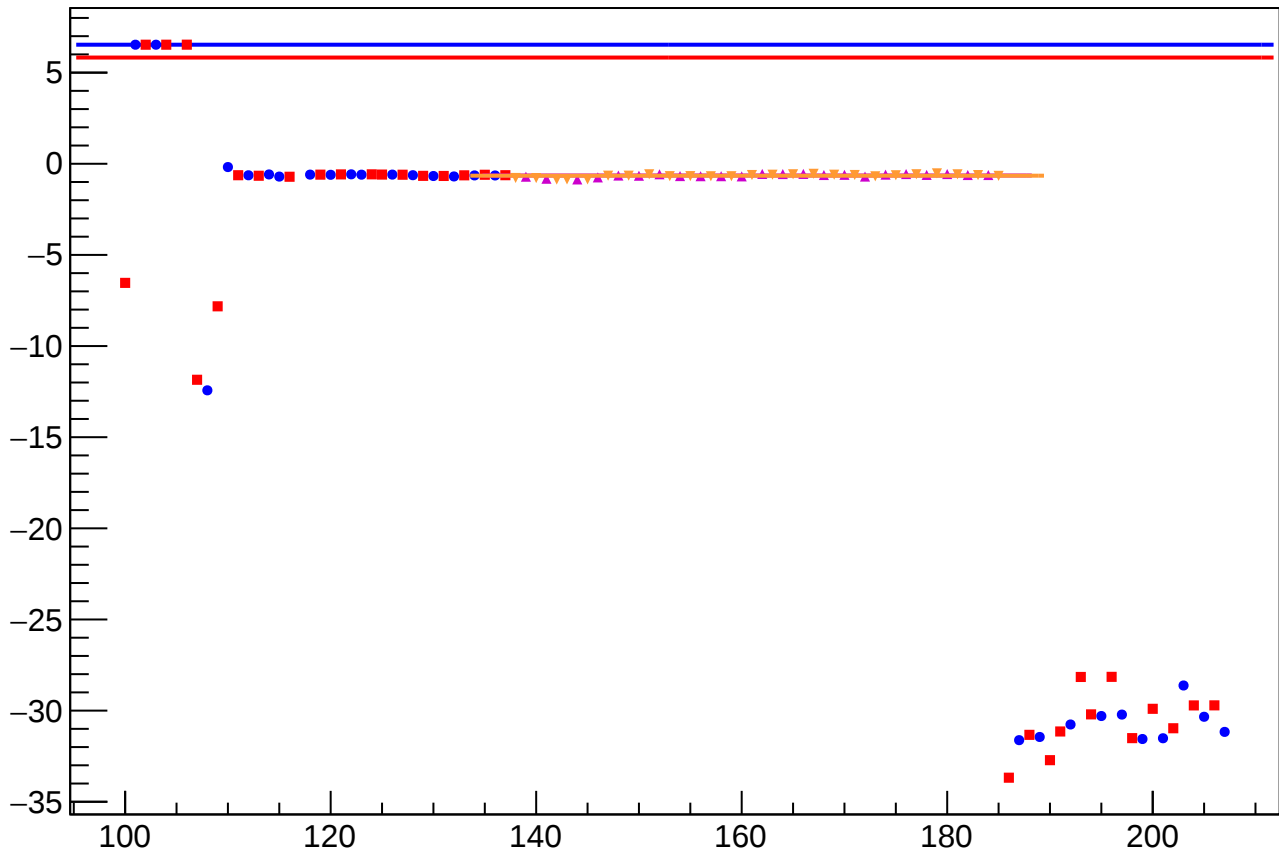
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 128122766194.0/26

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755962464842936.0/30

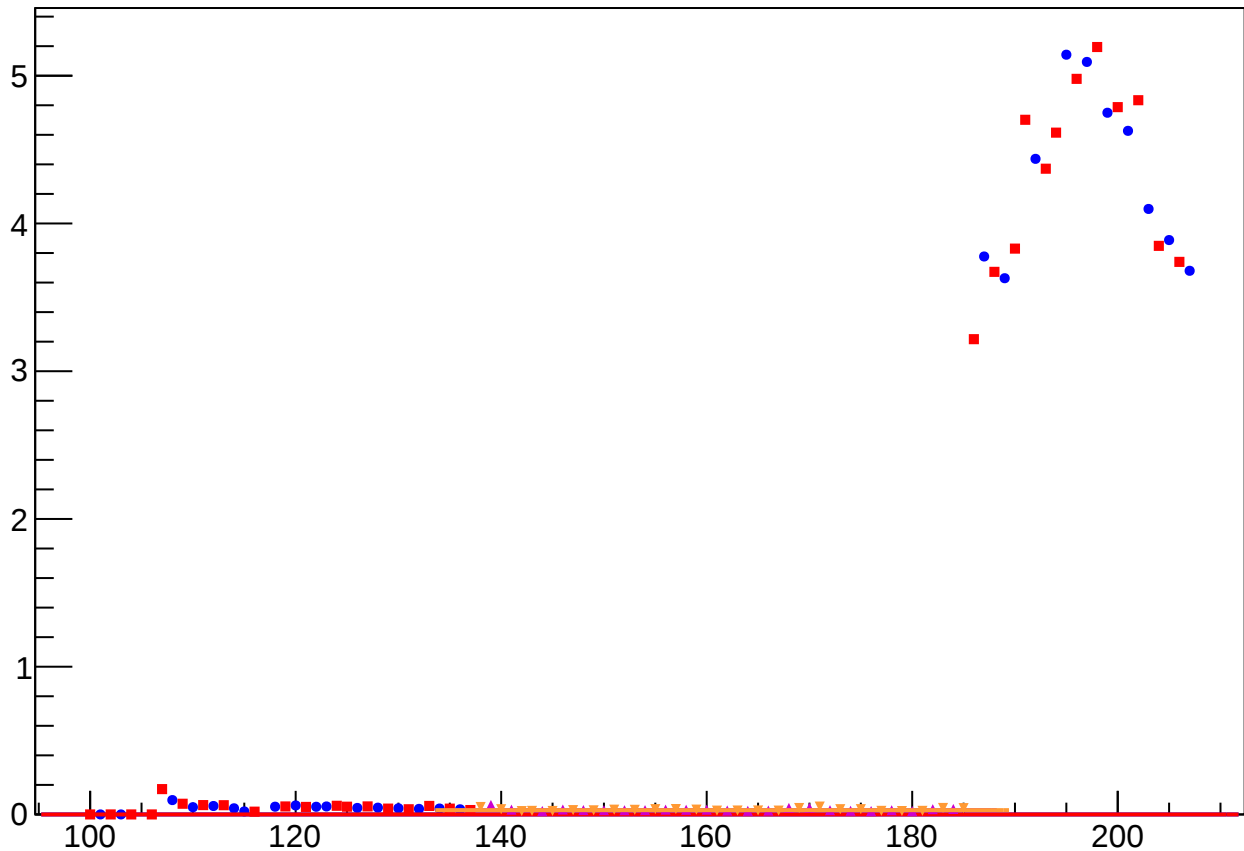
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001962245590.3/51

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77762798216086

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756640927966546.8/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 22780664.8/26

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24905472.9/30

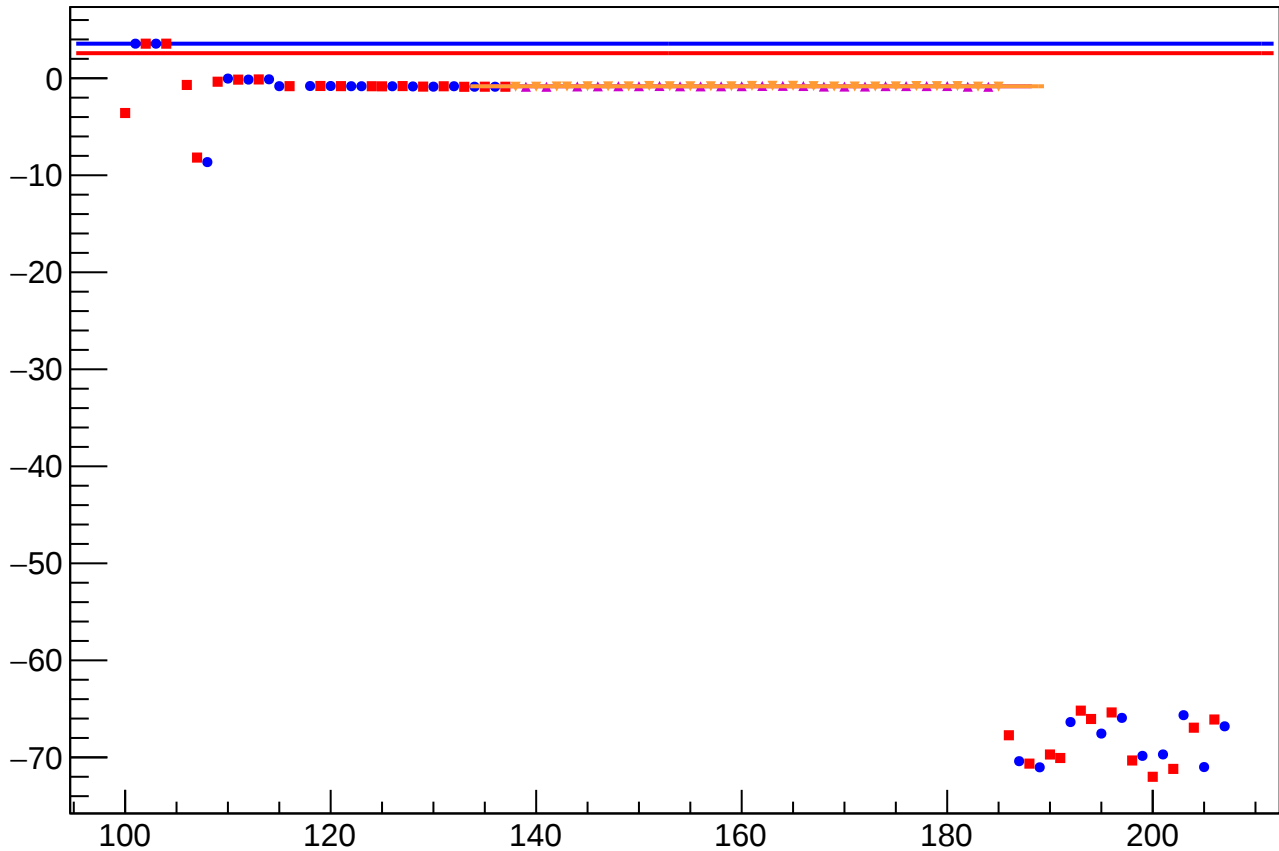
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 52744403.9/51

All: 0.000+/-0.000 χ^2/NDF : 105832374.2/105

- sign 0.000+/-0.000 χ^2/NDF : 53087301.0/53

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 506560596532.5/26

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253530529791773.5/30

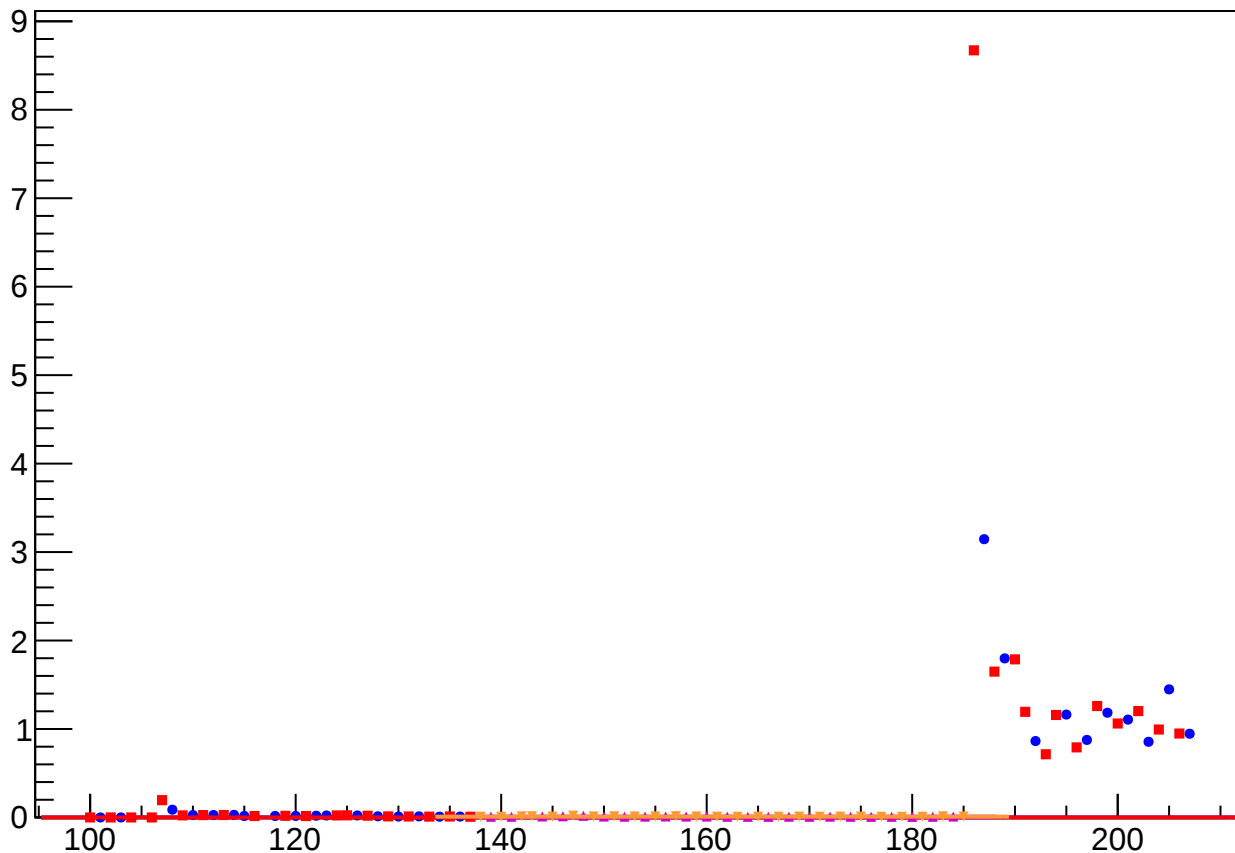
Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560+/-0.000 χ^2/NDF : 4203007265441.6/51

All: 3.038+/-0.000 χ^2/NDF : 13880327469284

- sign 2.581+/-0.000 χ^2/NDF : 1255751623192099.2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 21192629.9/26

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23048229.3/30

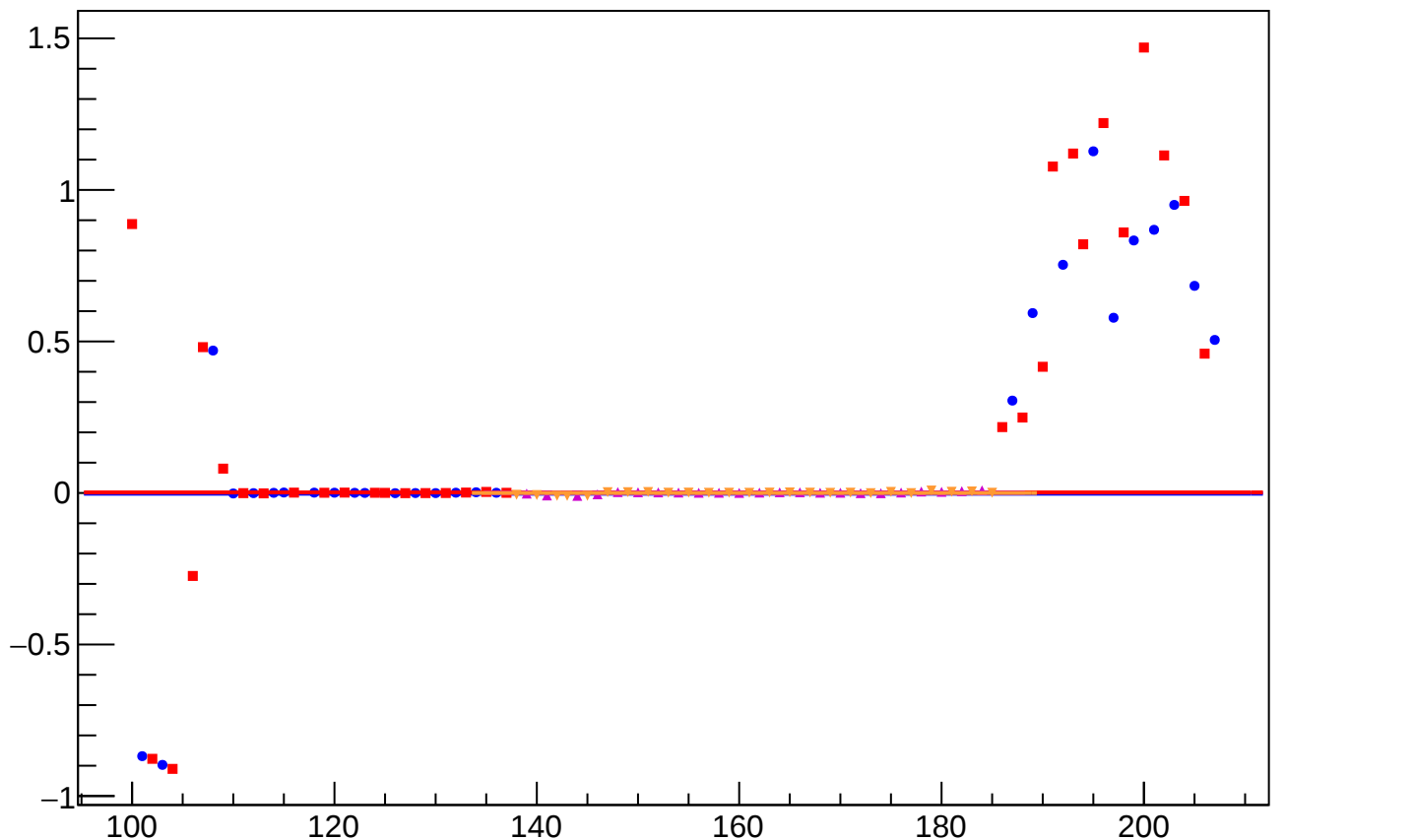
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 52700941.0/51

All: 0.000+/-0.000 χ^2/NDF : 105556840.9/105

- sign 0.000+/-0.000 χ^2/NDF : 52854820.1/53

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9796517813.4/26

Left Out: -0.000+/-0.000 χ^2/NDF :151559332.0/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3043668263.6/30

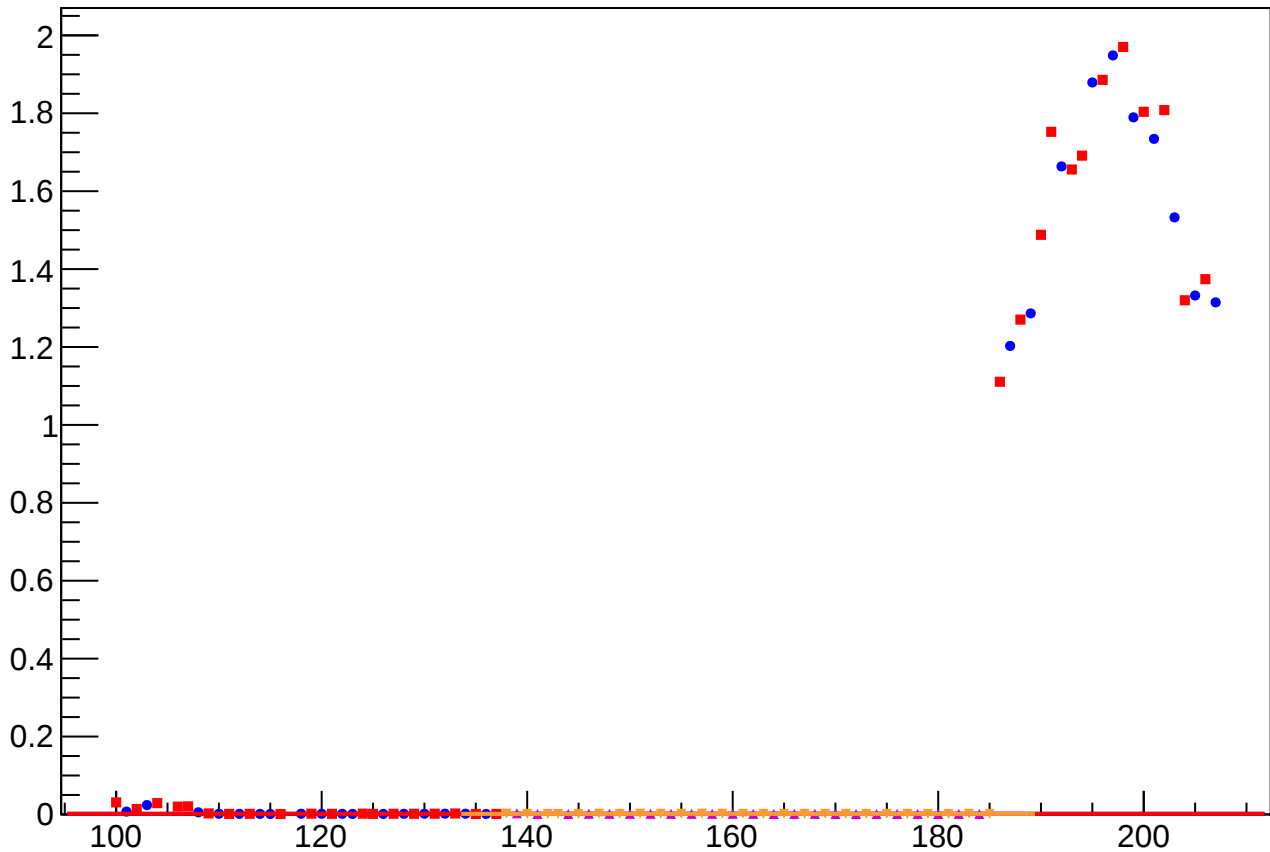
Left In: 0.001+/-0.000 χ^2/NDF :101468517.6/22

+ sign -0.001+/-0.000 χ^2/NDF : 9955035068.8/51

All: 0.000+/-0.000 χ^2/NDF : 13109702397.9/1

- sign 0.001+/-0.000 χ^2/NDF : 3147115820.9/53

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 15822171.0/26

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539040.4/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 18559890.6/30

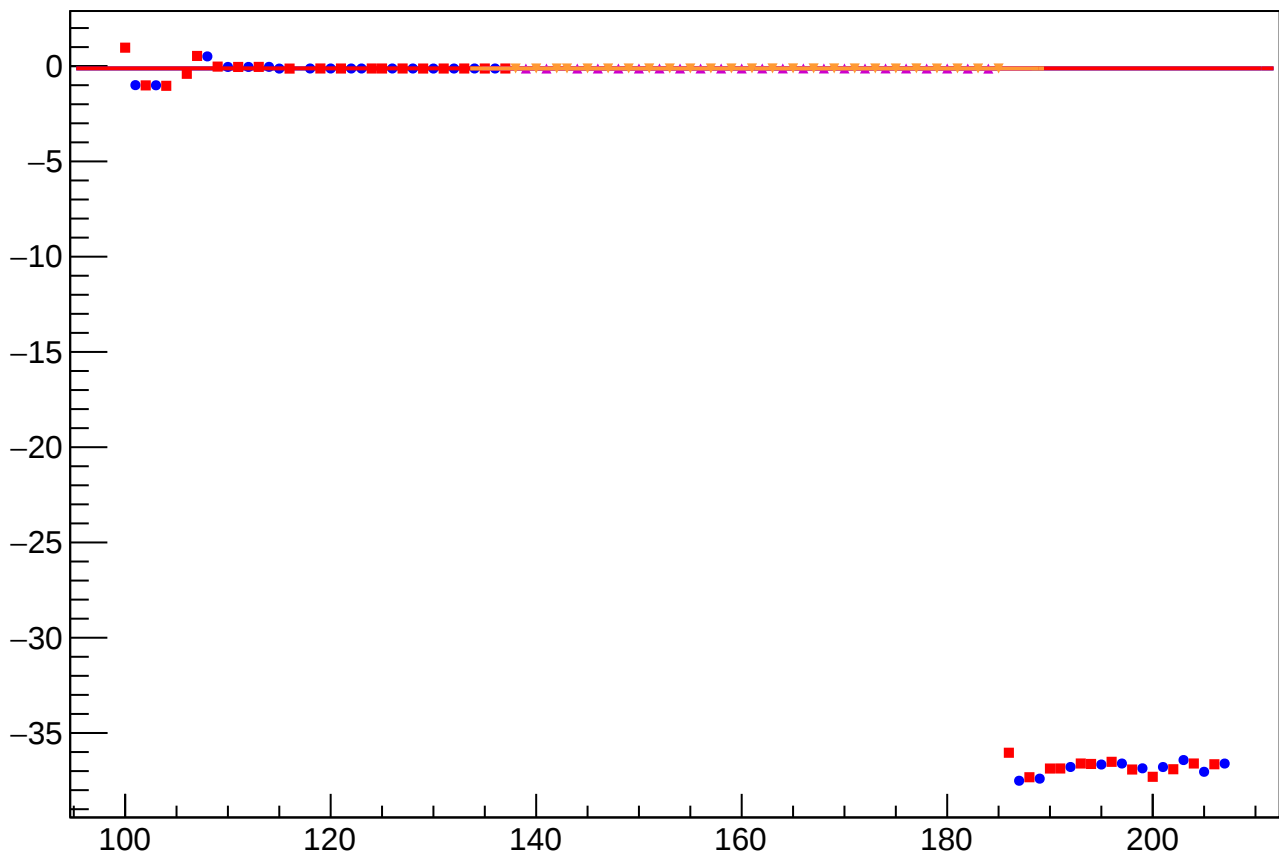
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:659543.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 16432856.1/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 35770911.9/105

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 19330158.2/53

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000 χ^2/NDF : 65453388458.9/26

Left Out: -0.121+/-0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.116+/-0.000 χ^2/NDF : 68419030463.0/30

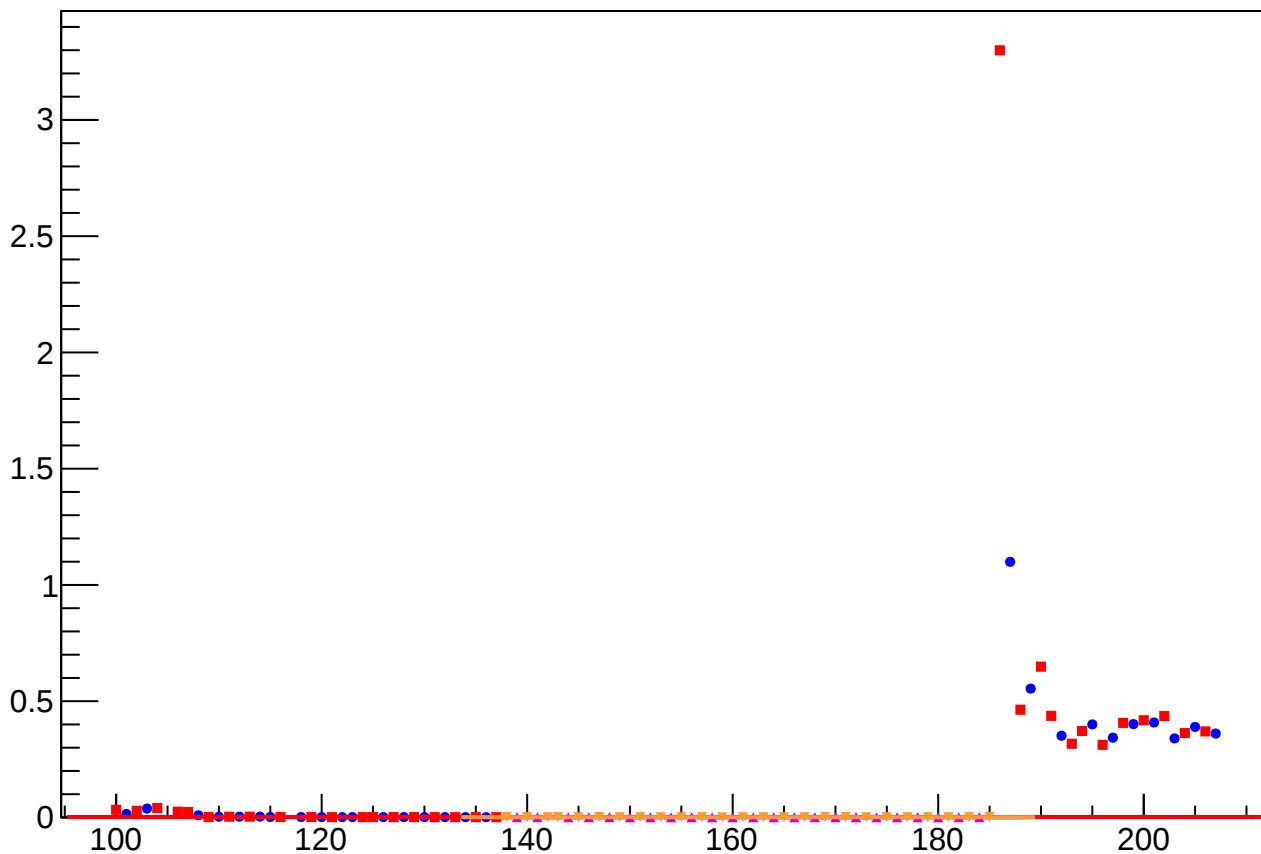
Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

+ sign -0.121+/-0.000 χ^2/NDF : 65511744006.2/51

All: -0.121+/-0.000 χ^2/NDF : 134023351662.4

- sign -0.120+/-0.000 χ^2/NDF : 68507651996.7/53

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 16164289.9/26

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 18510883.3/30

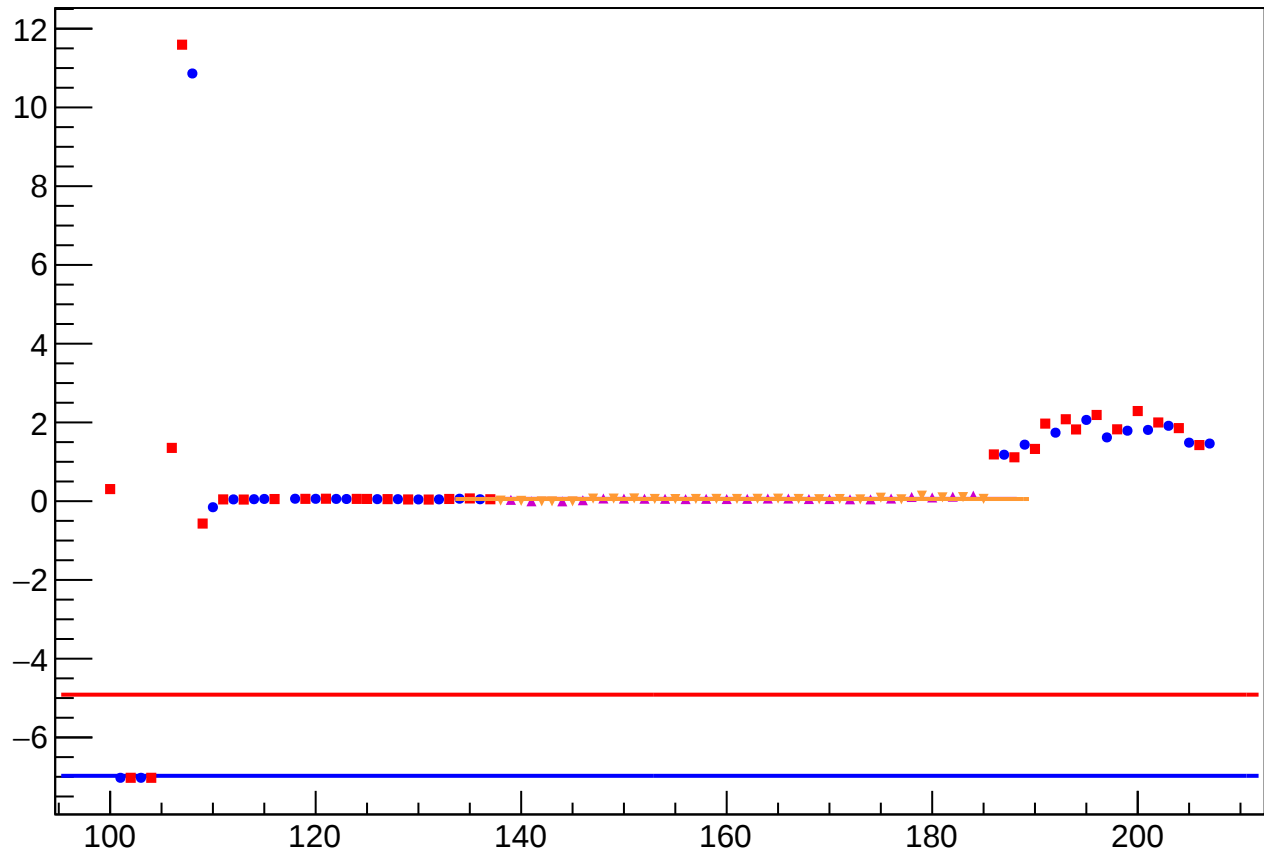
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 18719353.6/51

All: 0.001+/-0.000 χ^2/NDF : 39346682.4/105

- sign 0.001+/-0.000 χ^2/NDF : 20625295.3/53

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8762722615382.2/26

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348716267241.5/30

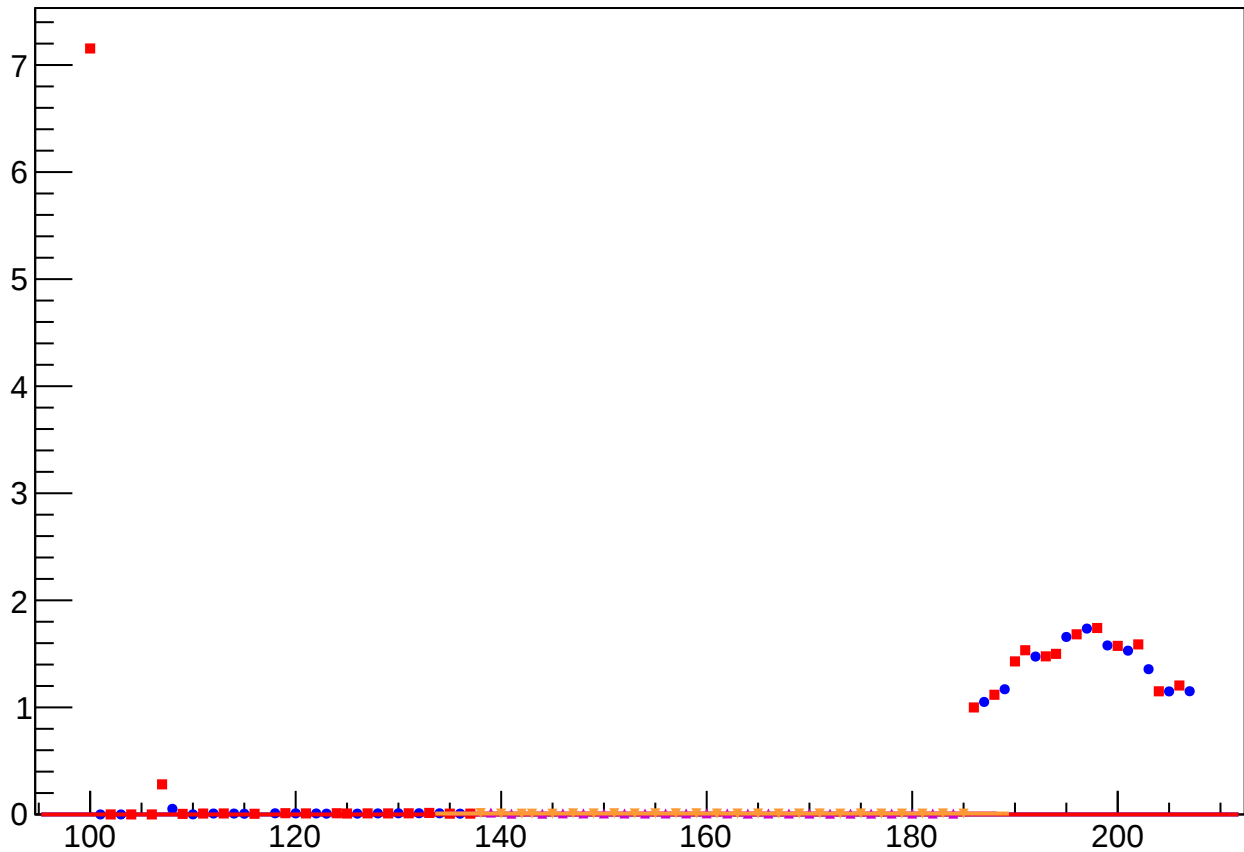
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417709943878.7/26

All: -5.858 ± 0.000 χ^2/NDF : 4435816040960.0/26

- sign -4.882 ± 0.000 χ^2/NDF : 369771006620547.4/26

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 22152641.8/26

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24322559.4/30

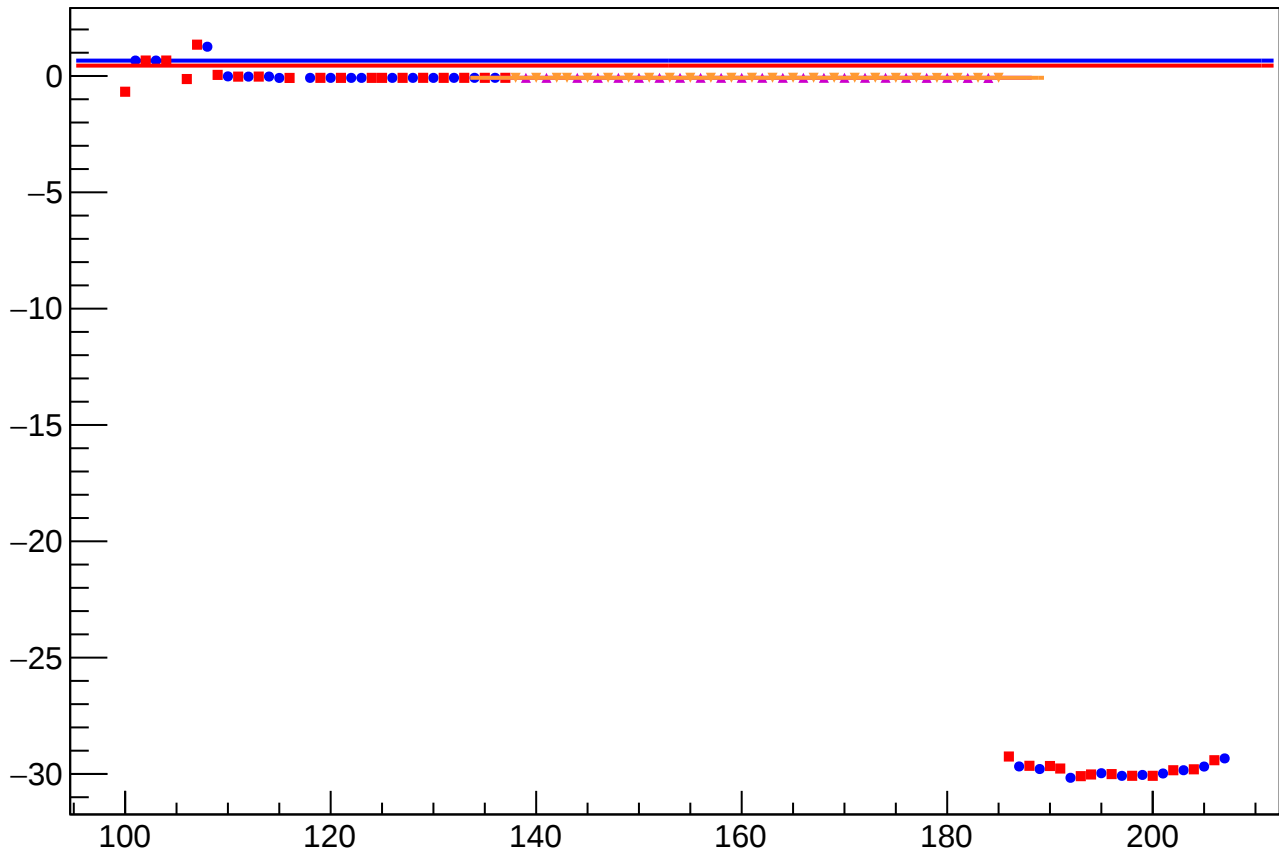
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 51139432.4/51

All: 0.000+/-0.000 χ^2/NDF : 103139854.6/105

- sign 0.000+/-0.000 χ^2/NDF : 51995955.5/53

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5645779089820.2/26

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156525648.0/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405478812104000.3/30

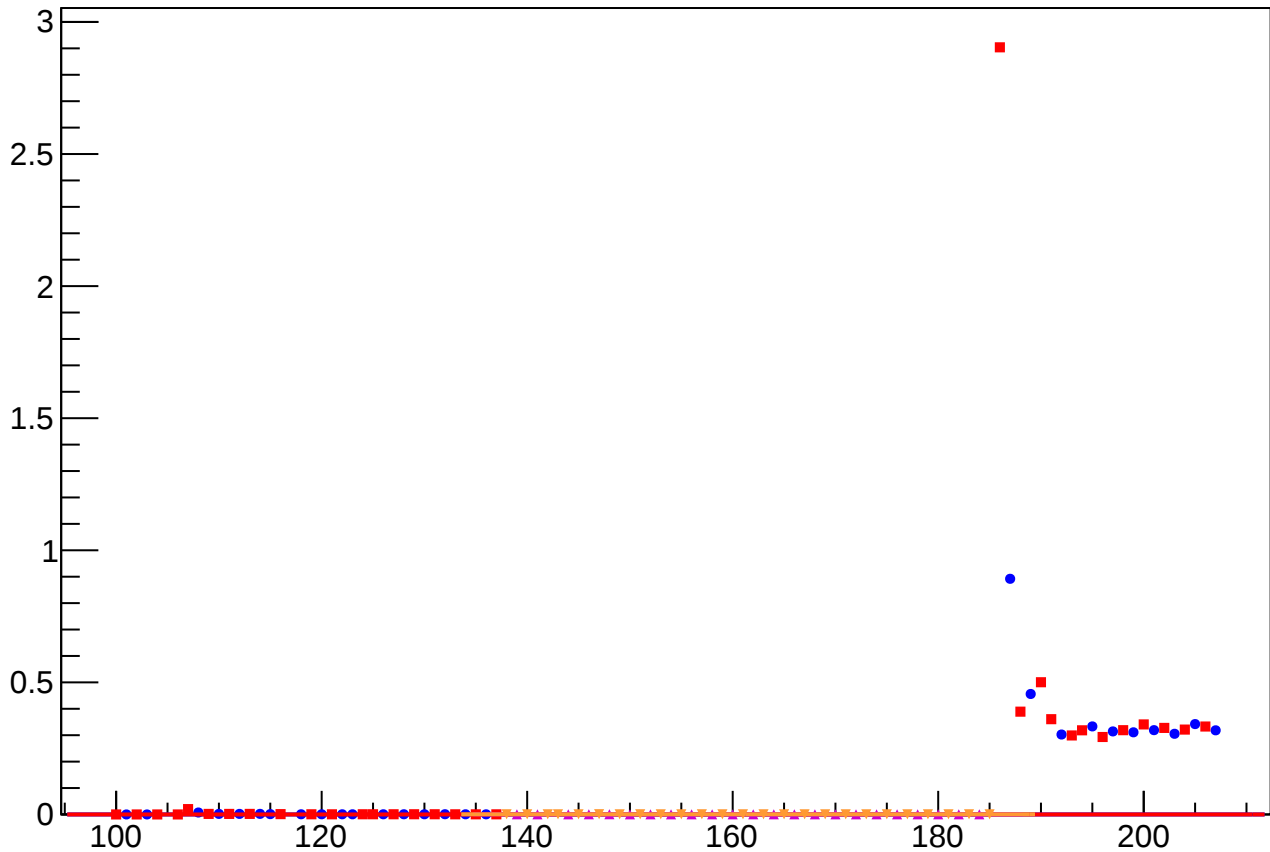
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 111221084.5/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35813231710093.1/5

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51610373827337

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419710326045669.3/5

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 23571465.3/26

Left Out: 0.001+/-0.000 χ^2/NDF :466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24866208.1/30

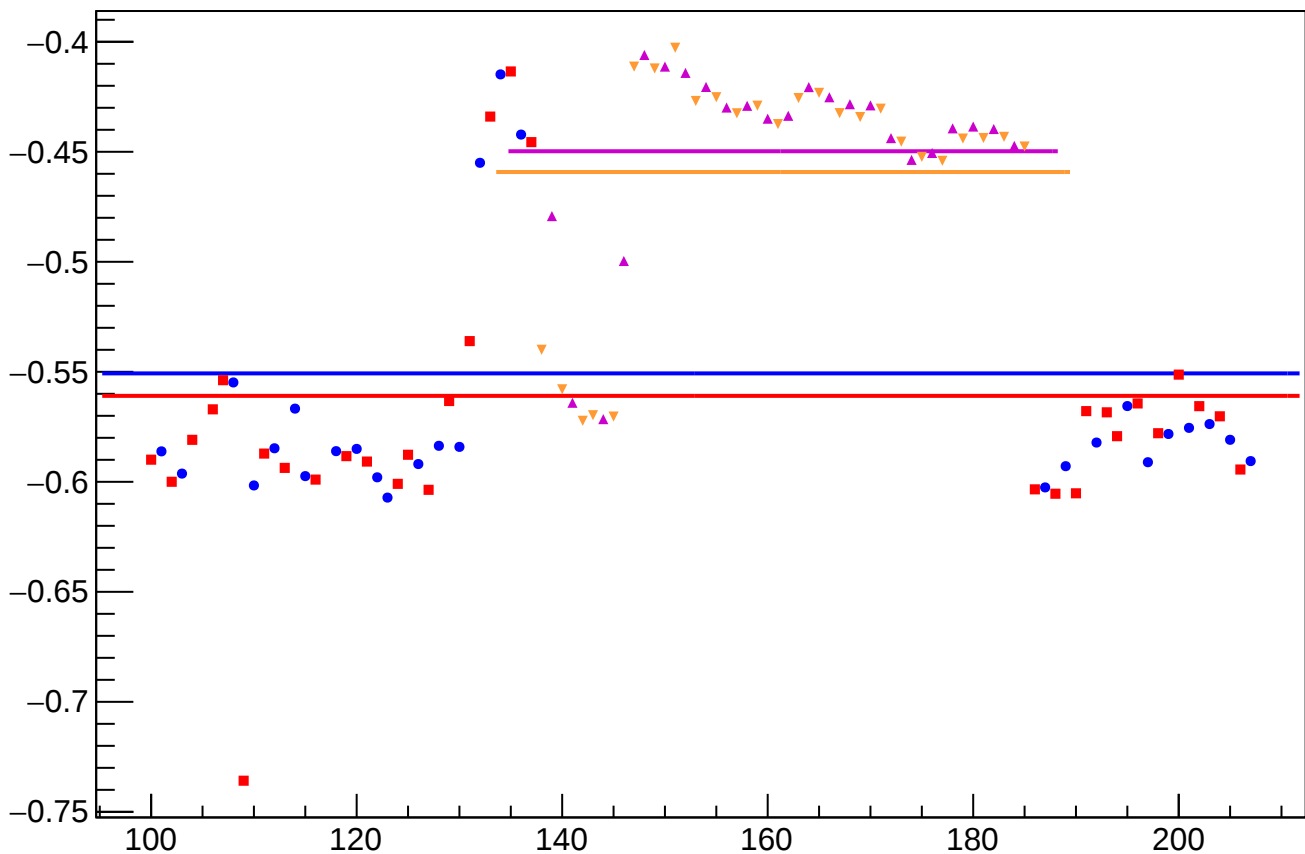
Left In: 0.001+/-0.000 χ^2/NDF :355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 56220173.6/51

All: 0.000+/-0.000 χ^2/NDF : 112129878.6/105

- sign 0.000+/-0.000 χ^2/NDF : 55902554.9/53

yield_bpm4aX_mean vs Slug



Right In: -0.551+/-0.000 χ^2/NDF : 48532398.4/26

Left Out: -0.459+/-0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.561+/-0.000 χ^2/NDF : 65637300.0/30

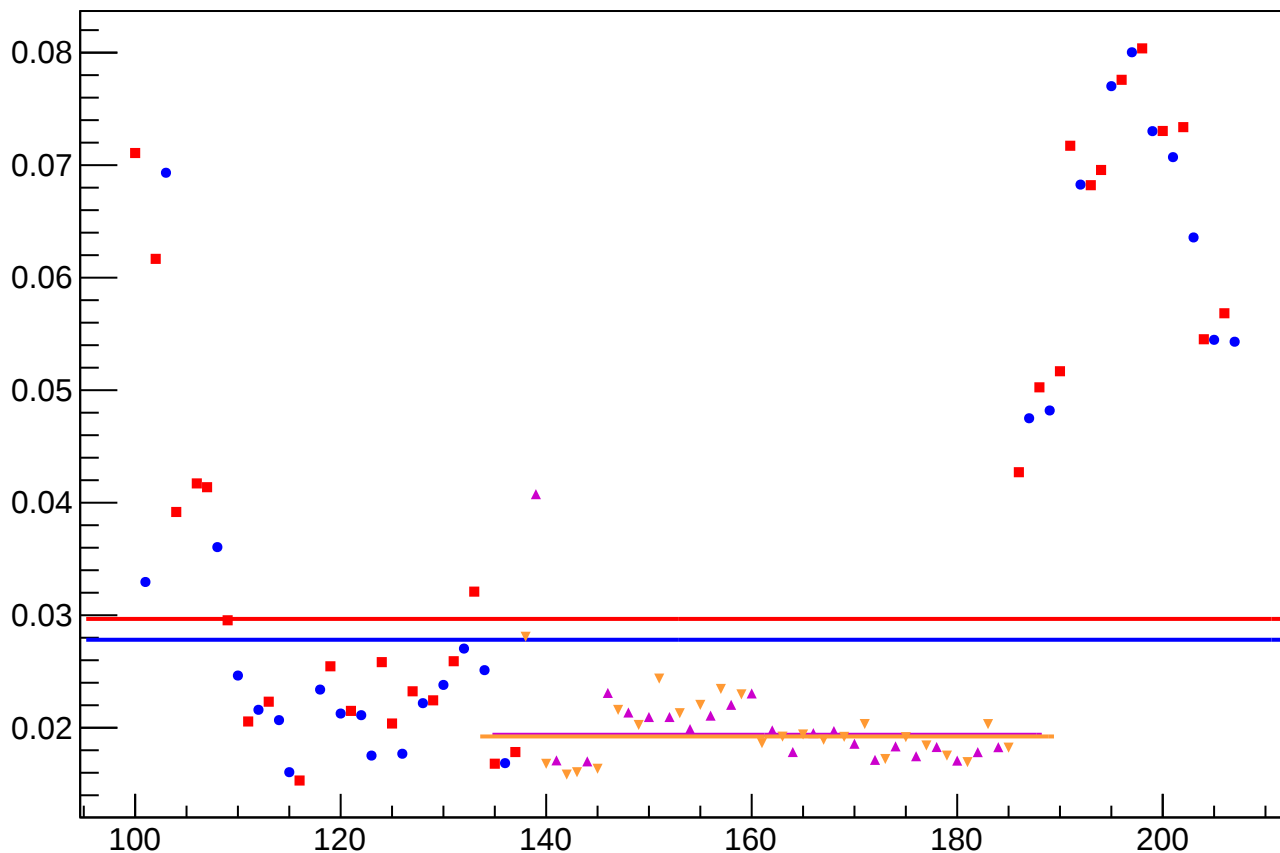
Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

+ sign -0.480+/-0.000 χ^2/NDF : 240288921.3/51

All: -0.478+/-0.000 χ^2/NDF : 493718188.7/10

- sign -0.477+/-0.000 χ^2/NDF : 253053358.7/53

yield_bpm4aX_rms vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6221965.6/26

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:501253.7/24

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 6452183.2/30

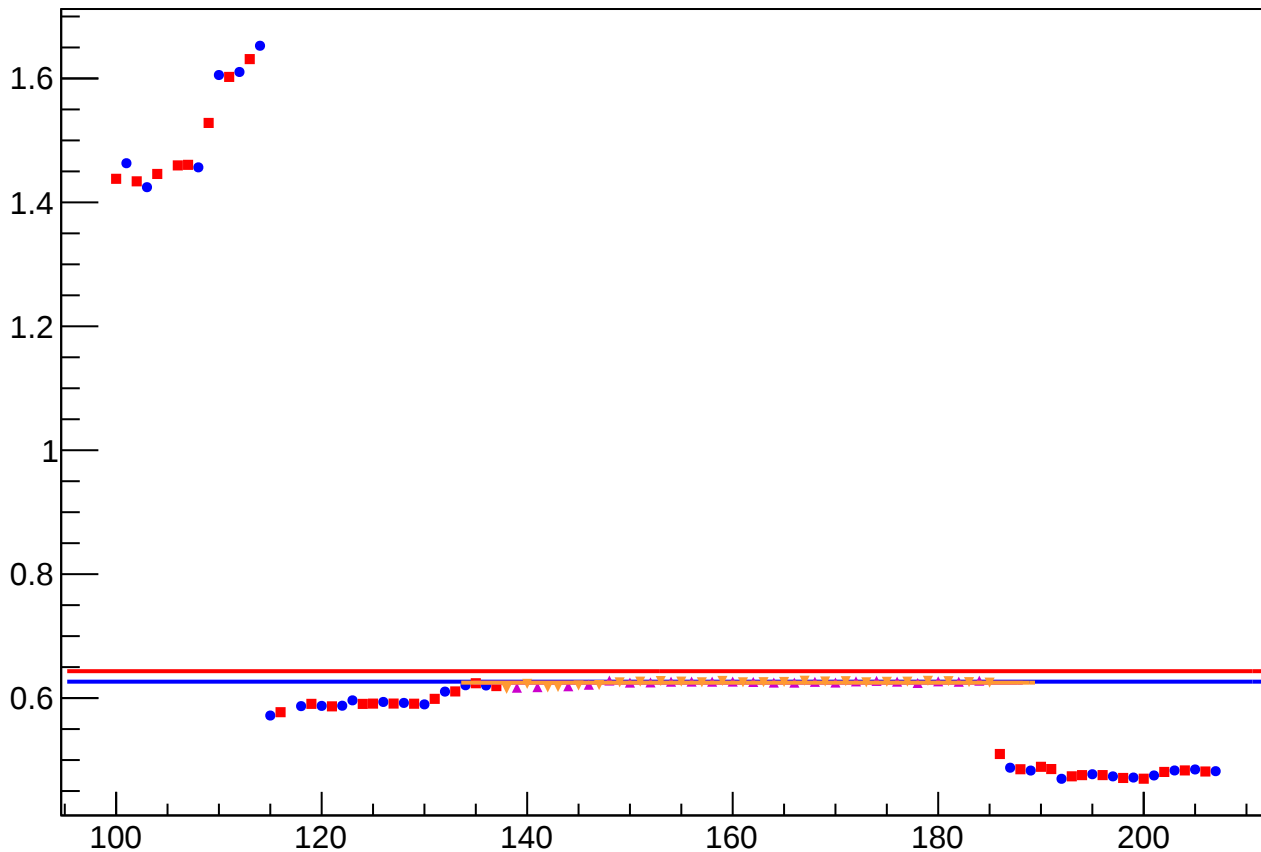
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:656155.9/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8097922.5/51

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 17135397.2/105

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 9016571.7/53

yield_bpm4aY_mean vs Slug



Right In: 0.626+/-0.000 χ^2/NDF : 5020574891.6/26

Left Out: 0.625+/-0.000 χ^2/NDF :1442225.6/24

Right Out: 0.643+/-0.000 χ^2/NDF : 6048627339.8/30

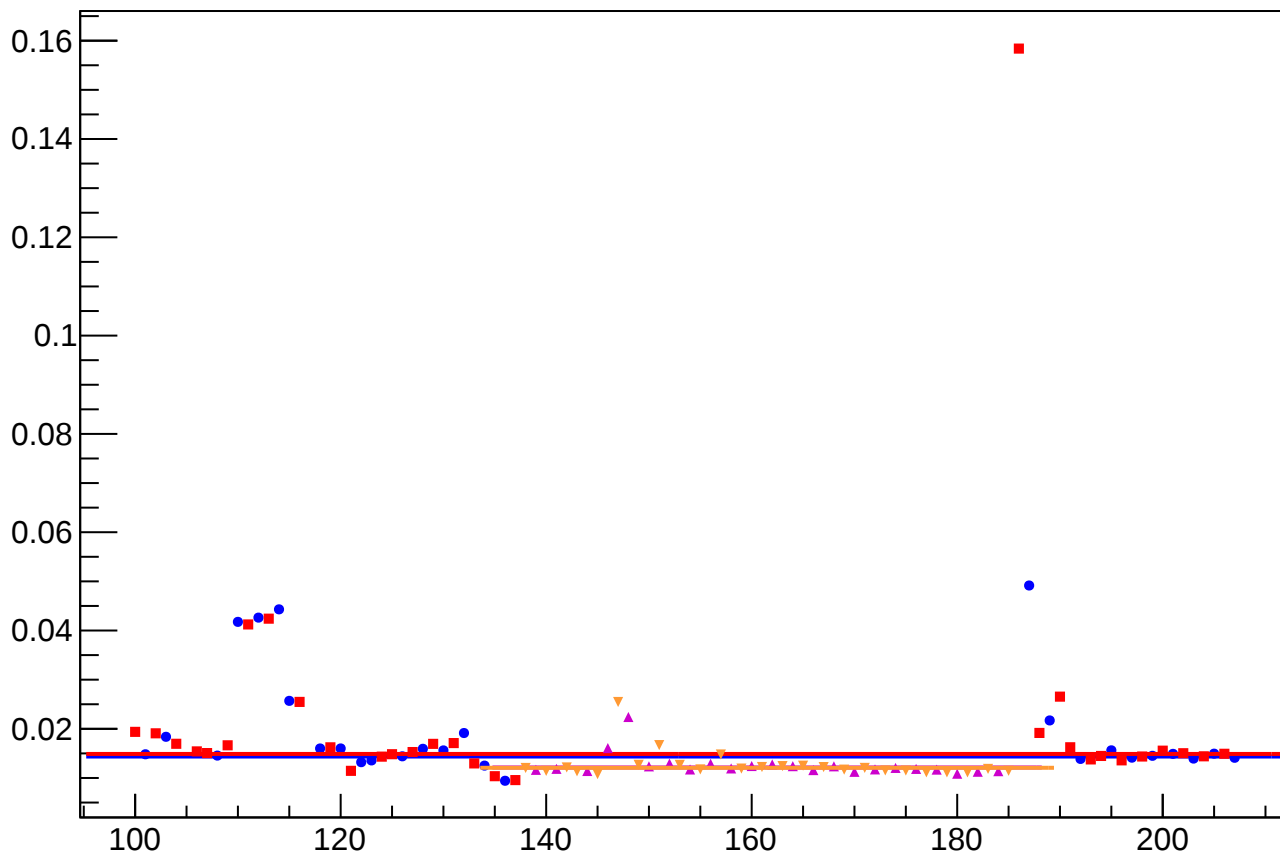
Left In: 0.625+/-0.000 χ^2/NDF :1135039.4/22

+ sign 0.625+/-0.000 χ^2/NDF : 5022119559.6/51

All: 0.628+/-0.000 χ^2/NDF : 11088418252.5/100

- sign 0.631+/-0.000 χ^2/NDF : 6063326524.0/53

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1646044.6/26

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2073759.0/30

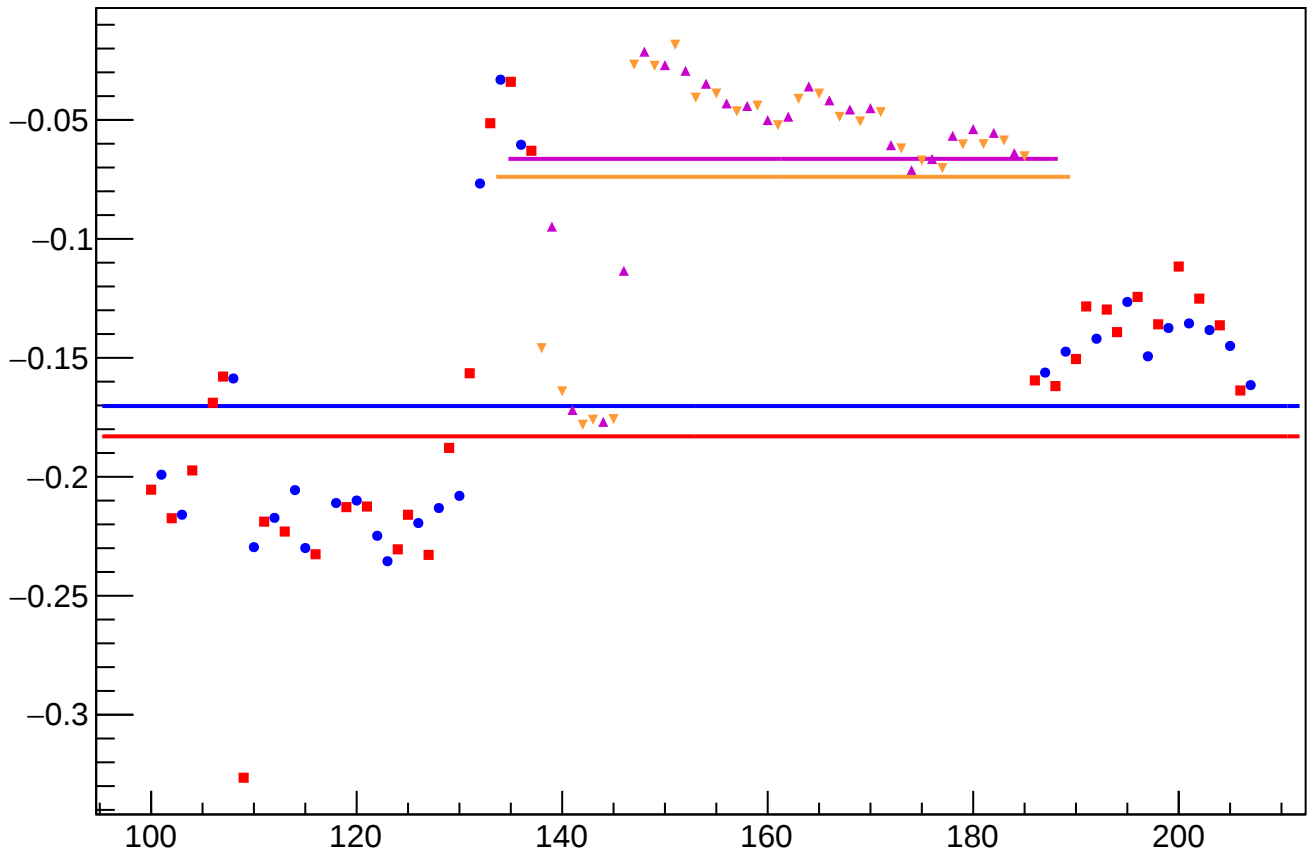
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2723431.5/51

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5891790.9/105

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3156972.7/53

yield_bpm4eX_mean vs Slug



Right In: -0.170+/-0.000 χ^2/NDF : 68395533.0/26

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.183+/-0.000 χ^2/NDF : 85890993.6/30

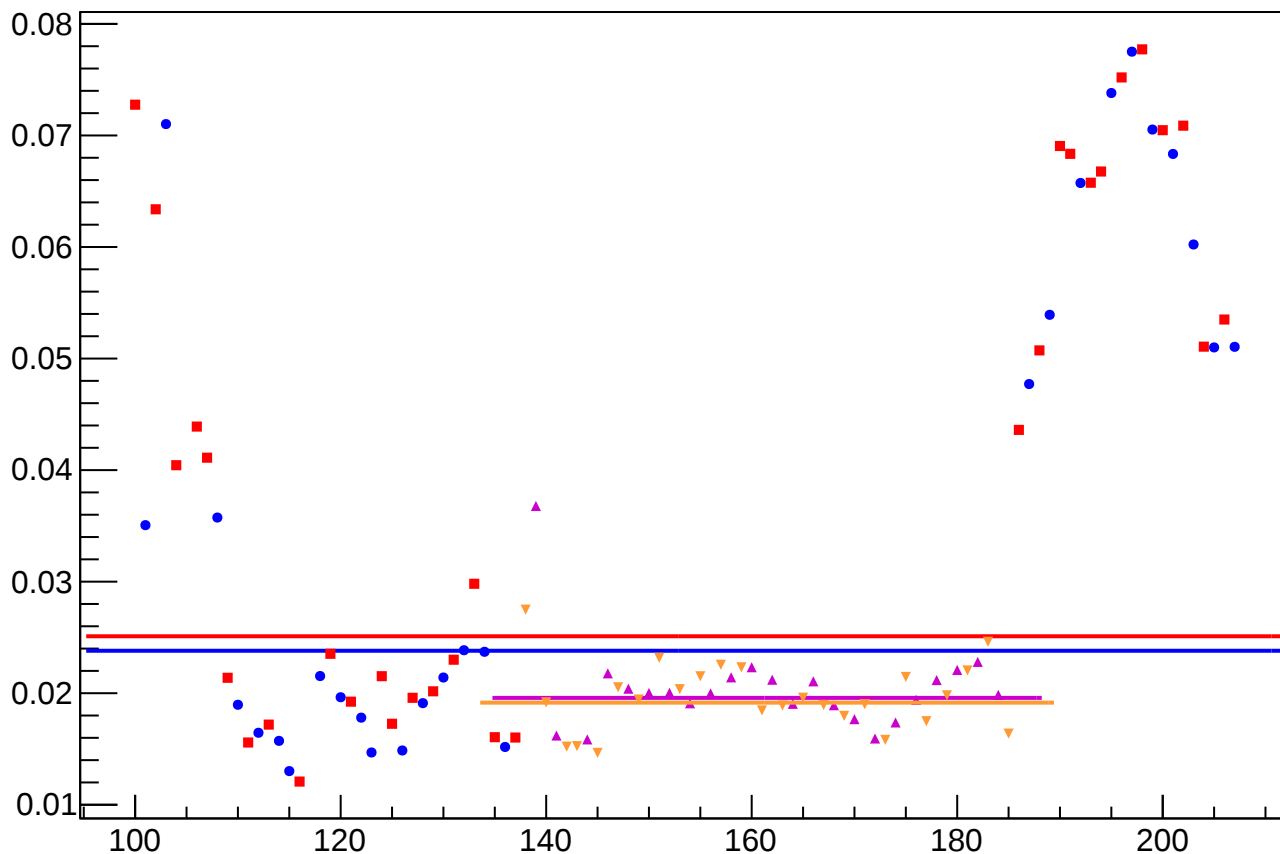
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.100+/-0.000 χ^2/NDF : 281664331.6/51

All: -0.100+/-0.000 χ^2/NDF : 592948987.9/10

- sign -0.100+/-0.000 χ^2/NDF : 311284627.8/53

yield_bpm4eX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 7243061.7/26

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641027.3/24

Right Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7840302.6/30

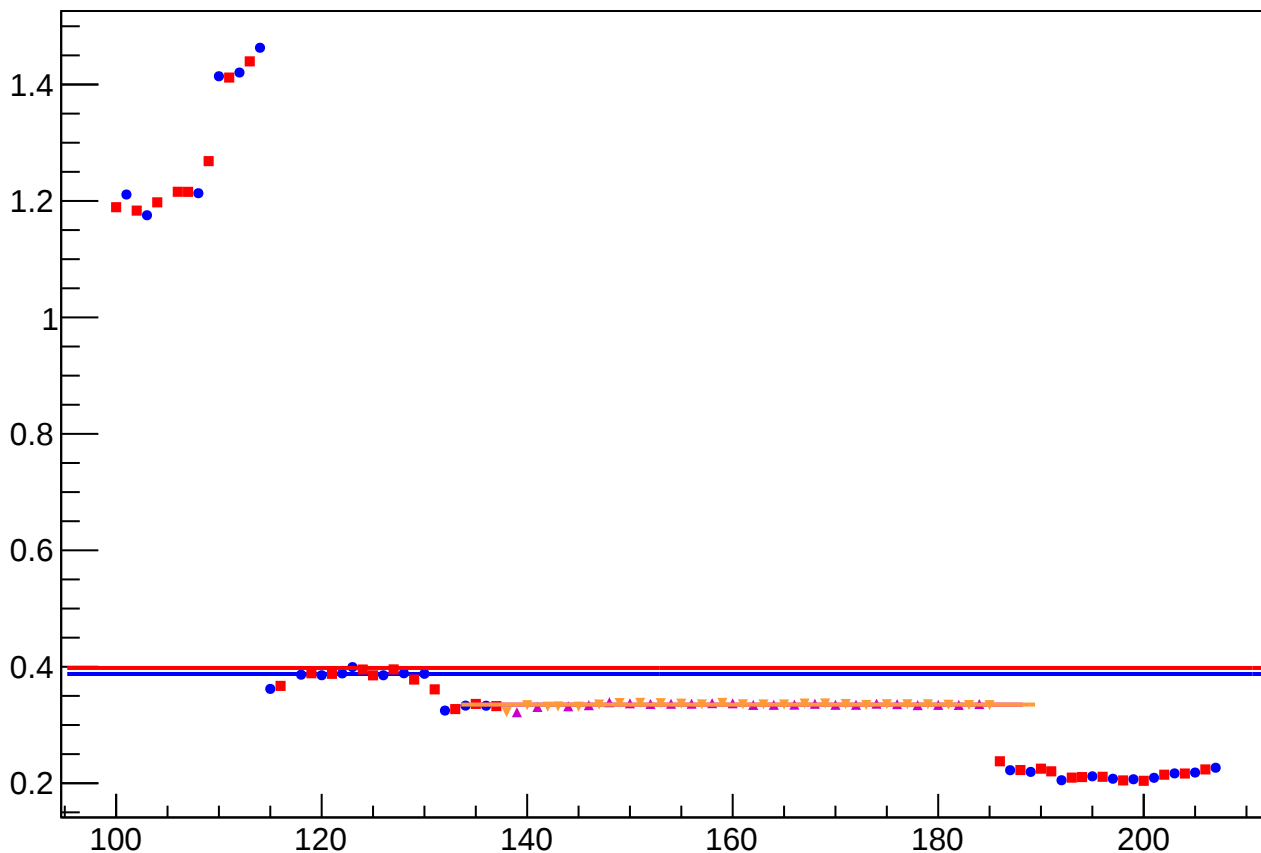
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 8375411.7/51

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 17567485.5/105

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9160381.5/53

yield_bpm4eY_mean vs Slug



Right In: 0.388+/-0.000 χ^2/NDF : 7417338567.9/26

Left Out: 0.335+/-0.000 χ^2/NDF : 1153956.7/24

Right Out: 0.398+/-0.000 χ^2/NDF : 8528404288.5/30

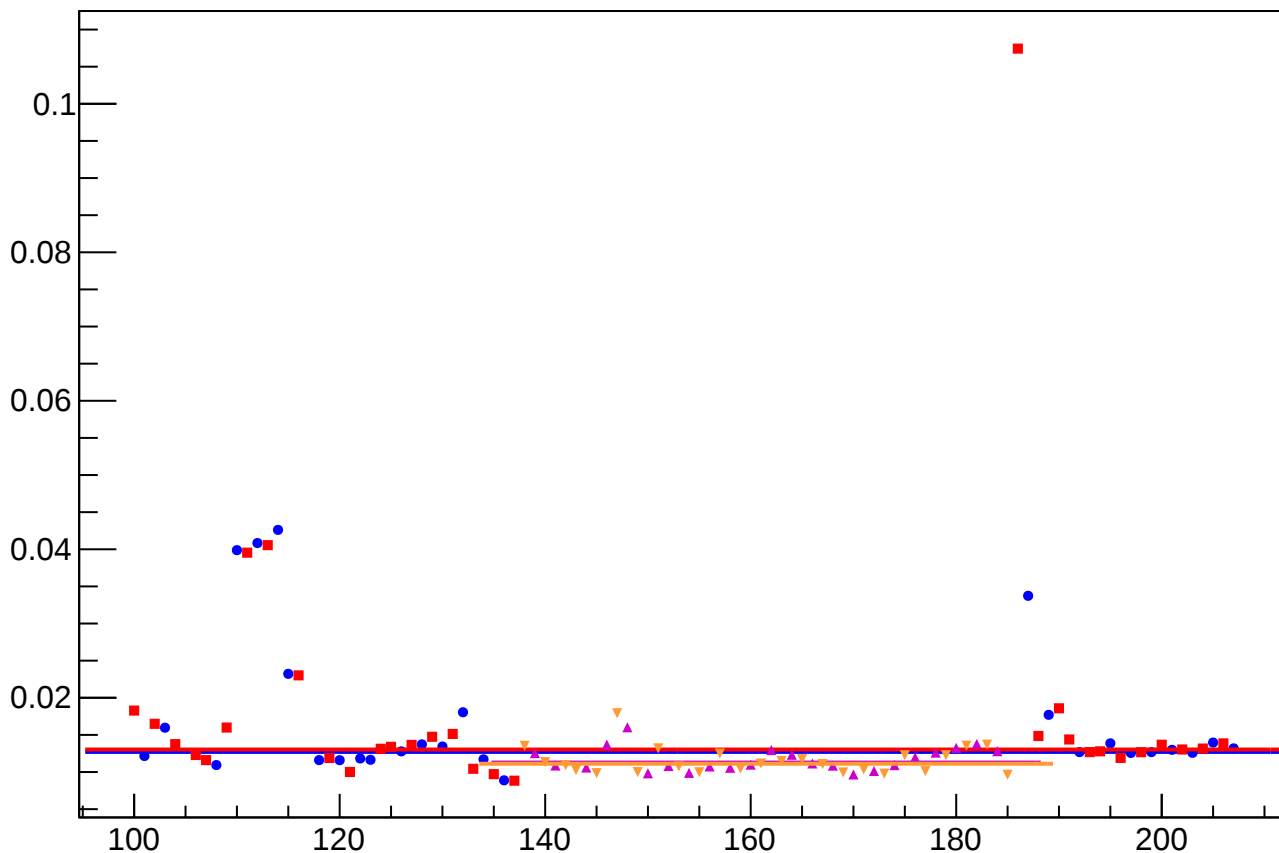
Left In: 0.335+/-0.000 χ^2/NDF : 1198302.8/22

+ sign 0.353+/-0.000 χ^2/NDF : 7555465184.5/51

All: 0.356+/-0.000 χ^2/NDF : 16281410361.5/100

- sign 0.359+/-0.000 χ^2/NDF : 8723253473.9/53

yield_bpm4eY_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1526487.4/26

Left Out: 0.011 ± 0.000 χ^2/NDF : 608235.7/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 1940293.0/30

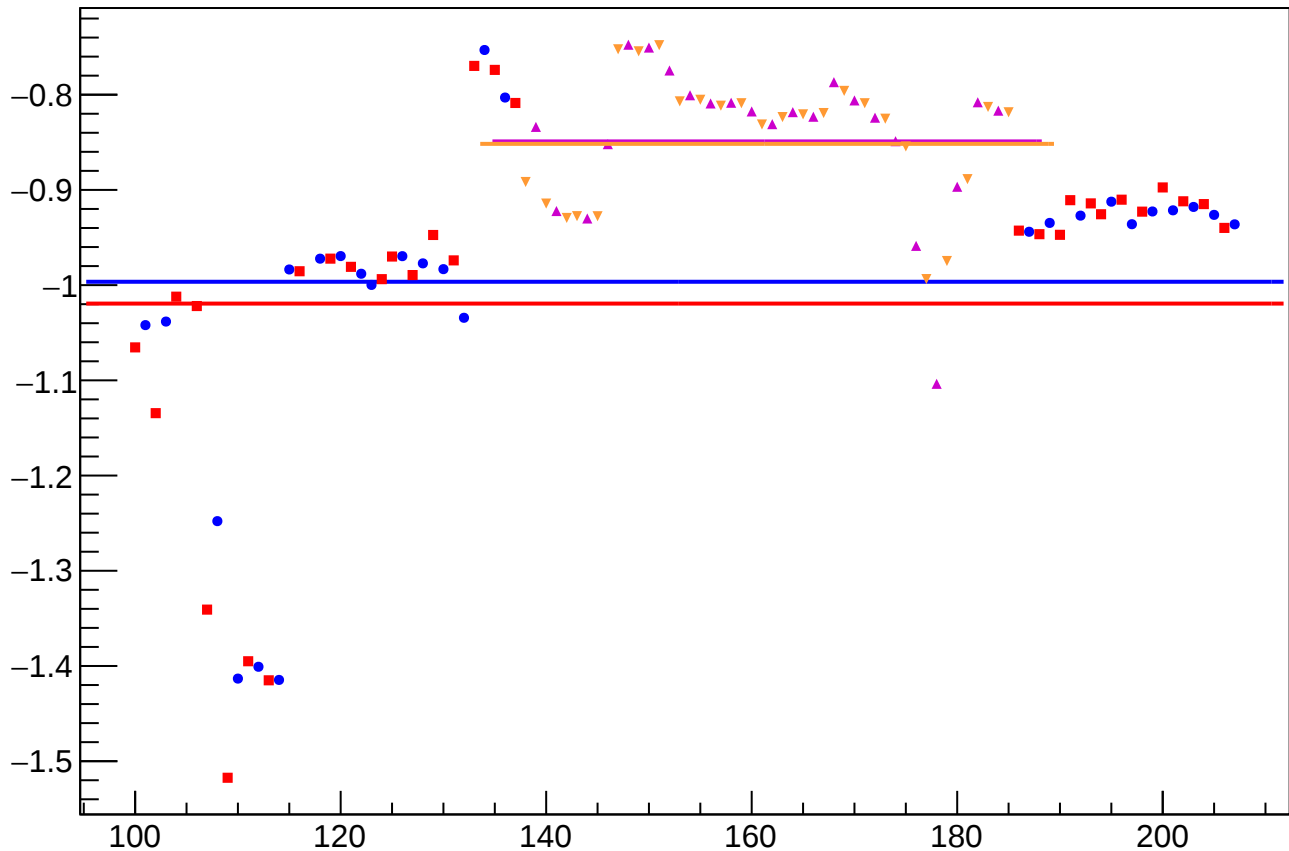
Left In: 0.011 ± 0.000 χ^2/NDF : 502226.7/22

+ sign 0.012 ± 0.000 χ^2/NDF : 2387644.4/51

All: 0.012 ± 0.000 χ^2/NDF : 5145291.1/105

- sign 0.012 ± 0.000 χ^2/NDF : 2743799.1/53

yield_bpm4acX_mean vs Slug



Right In: -0.996 ± 0.000 $\chi^2/\text{NDF}: 403363365.3/26$

Left Out: -0.852 ± 0.000 $\chi^2/\text{NDF}: 189276591.7/24$

Right Out: -1.019 ± 0.000 $\chi^2/\text{NDF}: 556834044.4/30$

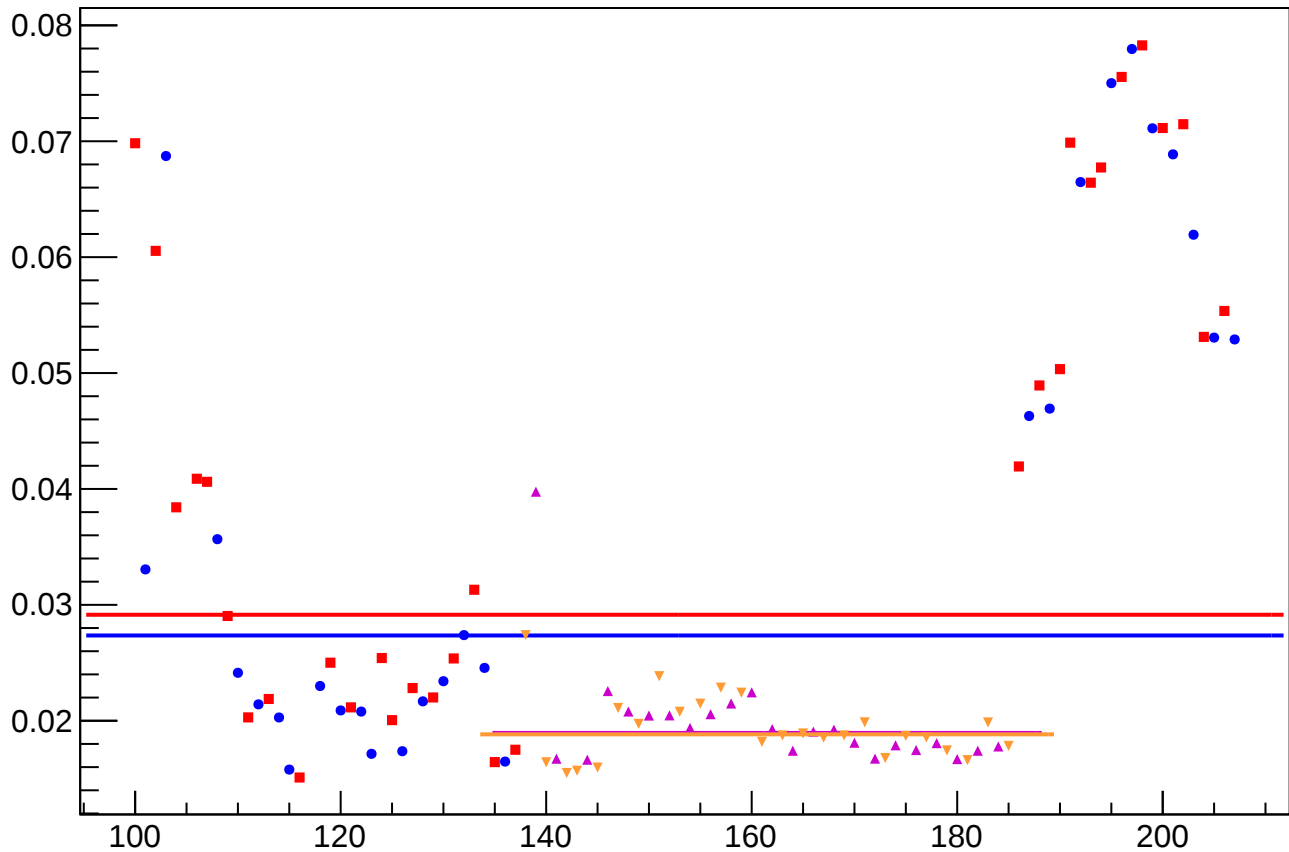
Left In: -0.849 ± 0.000 $\chi^2/\text{NDF}: 256438306.8/22$

+ sign -0.885 ± 0.000 $\chi^2/\text{NDF}: 795171829.7/51$

All: -0.887 ± 0.000 $\chi^2/\text{NDF}: 1880708233.2/1$

- sign -0.890 ± 0.000 $\chi^2/\text{NDF}: 1084921910.1/53$

yield_bpm4acX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 6185688.7/26

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490084.5/24

Right Out: 0.029 $\pm$ 0.000 χ^2 /NDF: 6388586.4/30

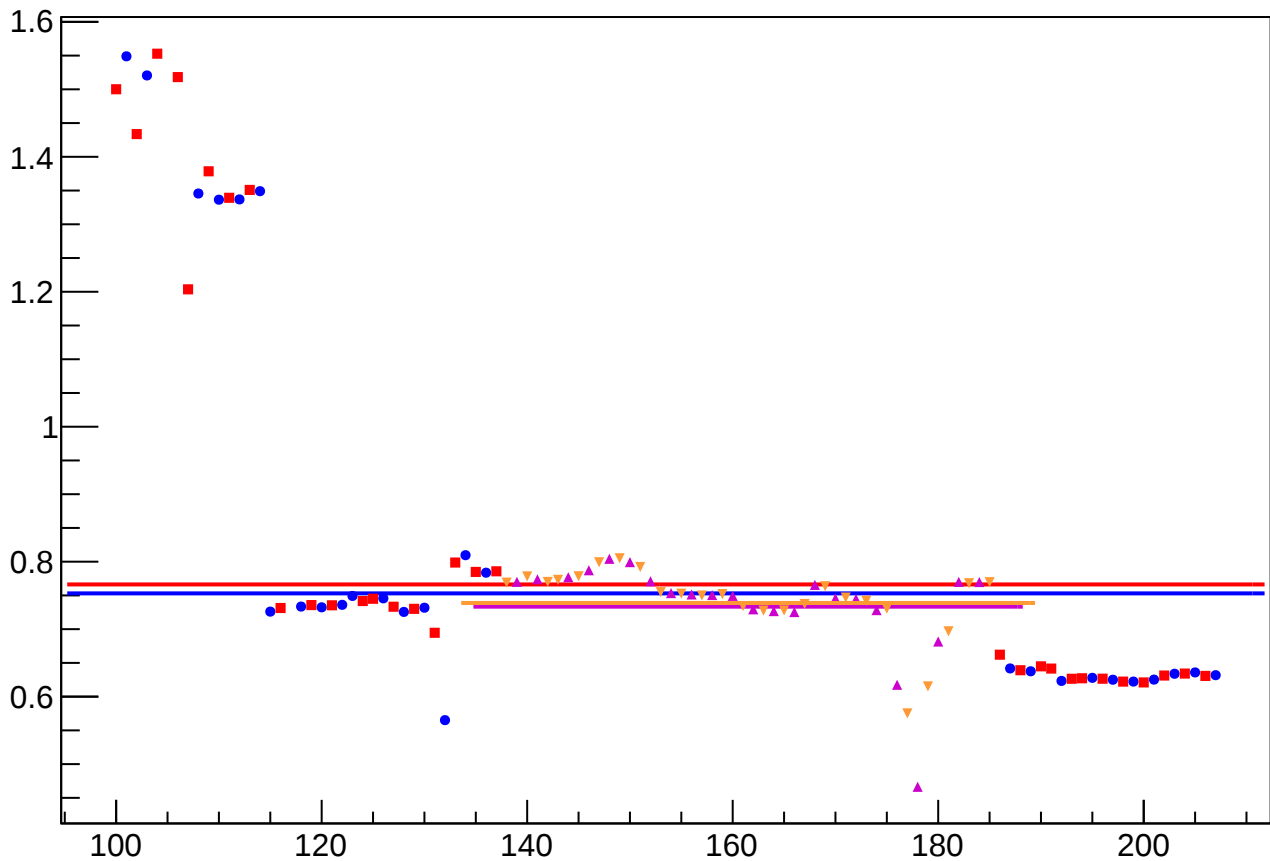
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 645048.1/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8080841.5/51

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 17080055.0/105

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8980345.8/53

yield_bpm4acY_mean vs Slug



Right In: 0.753 $\pm$ 0.000 χ^2 /NDF: 3440525632.5/26

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

Right Out: 0.766 $\pm$ 0.000 χ^2 /NDF: 3760823417.6/30

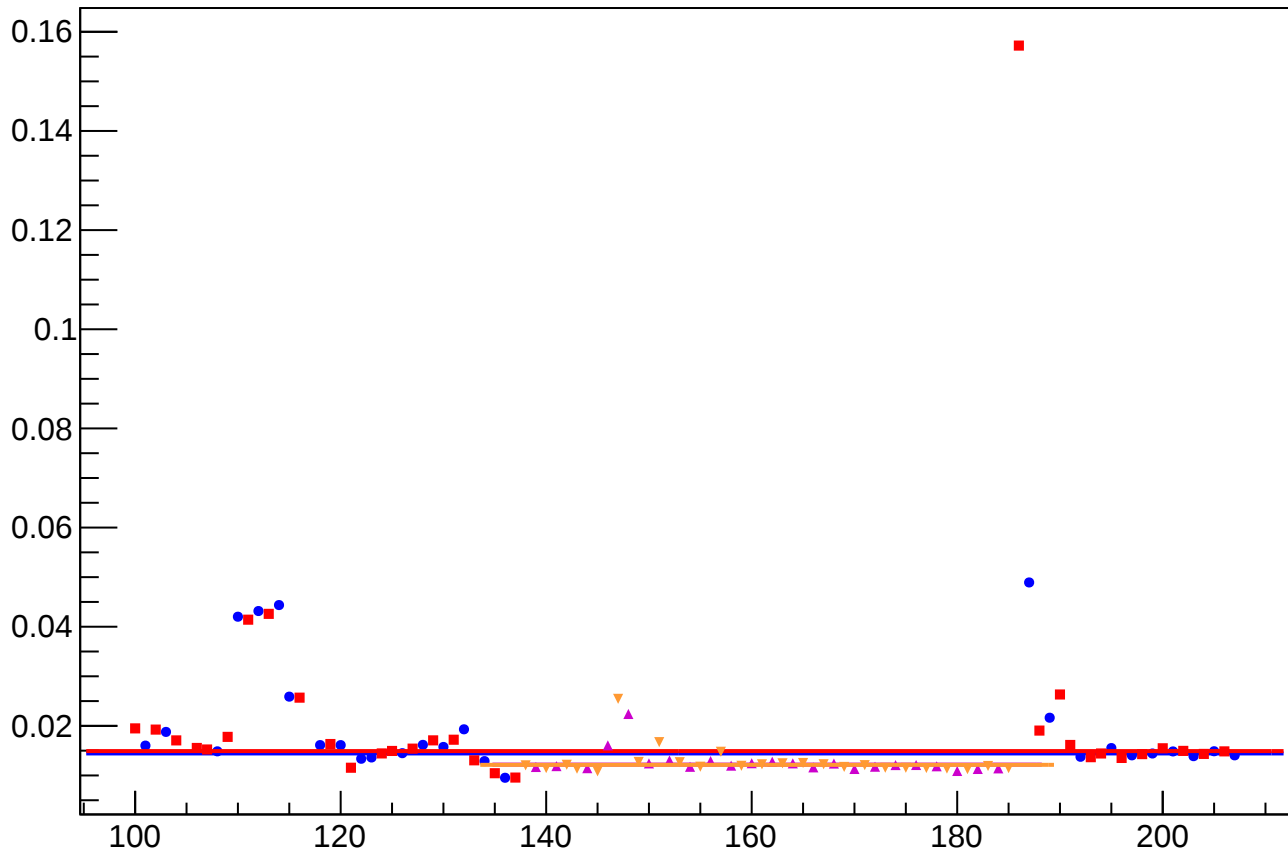
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

+ sign 0.743 $\pm$ 0.000 χ^2 /NDF: 3781573714.8/51

All: 0.744 $\pm$ 0.000 χ^2 /NDF: 8155116589.6/10

- sign 0.745 $\pm$ 0.000 χ^2 /NDF: 4373418572.4/53

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1647097.0/26

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2078143.0/30

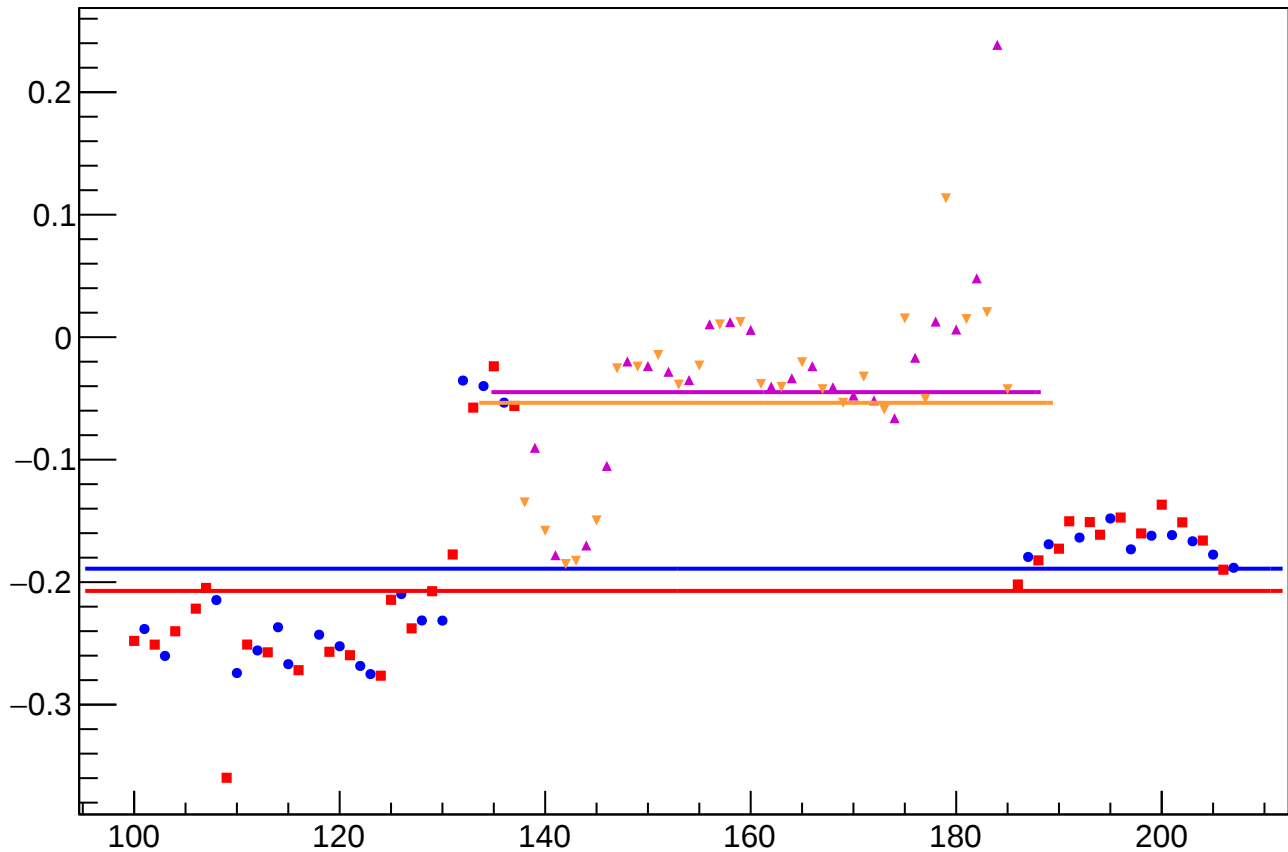
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2702639.5/51

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5850785.3/105

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3138842.1/53

yield_bpm4ecX_mean vs Slug



Right In: -0.189 ± 0.000 χ^2/NDF : 106882933.8/26

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.207 ± 0.000 χ^2/NDF : 113821170.2/30

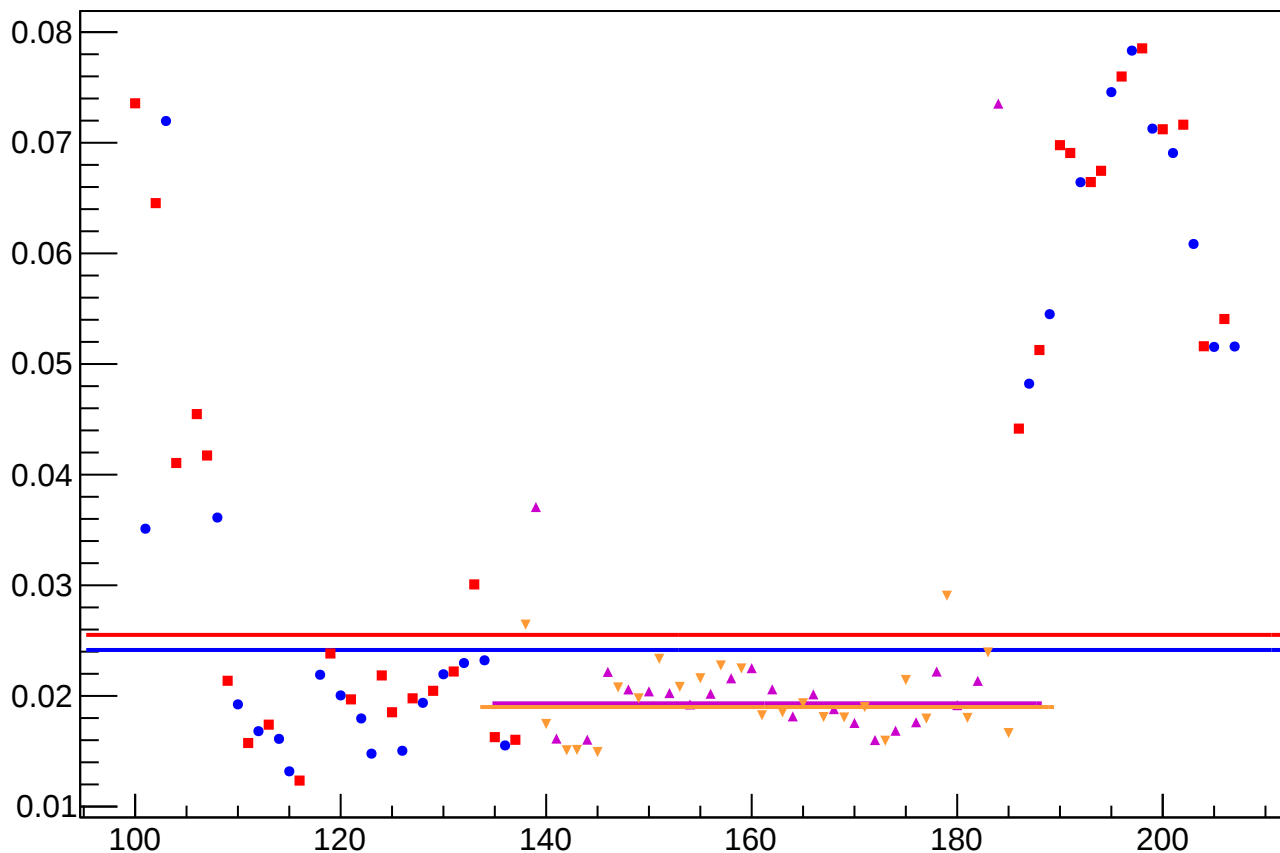
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.091 ± 0.000 χ^2/NDF : 478143027.2/51

All: -0.091 ± 0.000 χ^2/NDF : 1001187872.1/1

- sign -0.091 ± 0.000 χ^2/NDF : 523025951.4/53

yield_bpm4ecX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 7189453.9/26

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:699267.5/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 7792071.3/30

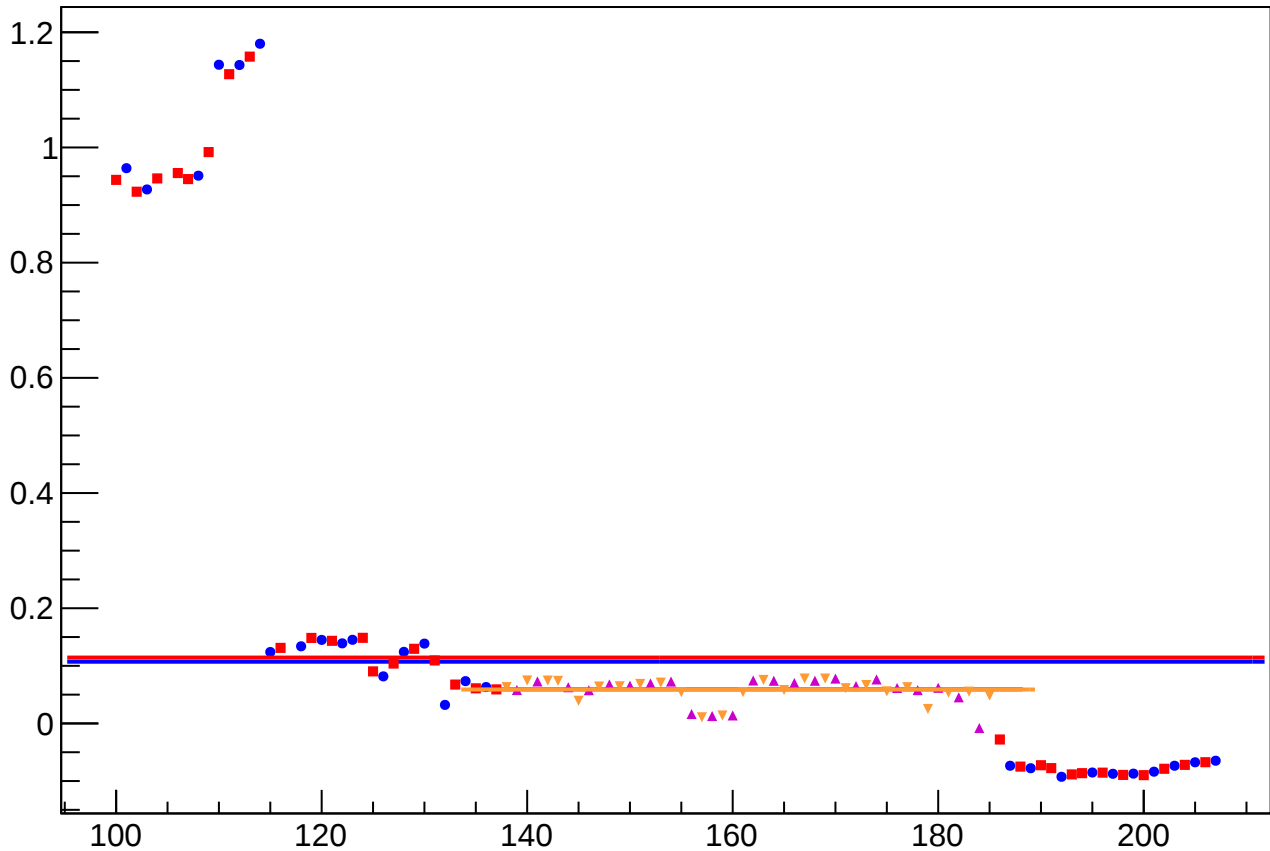
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:892810.7/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 8478511.9/51

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 18009459.9/105

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9504522.0/53

yield_bpm4ecY_mean vs Slug



Right In: 0.107 $\pm$ 0.000 χ^2 /NDF: 7998297349.6/26

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.114 $\pm$ 0.000 χ^2 /NDF: 8983692294.2/30

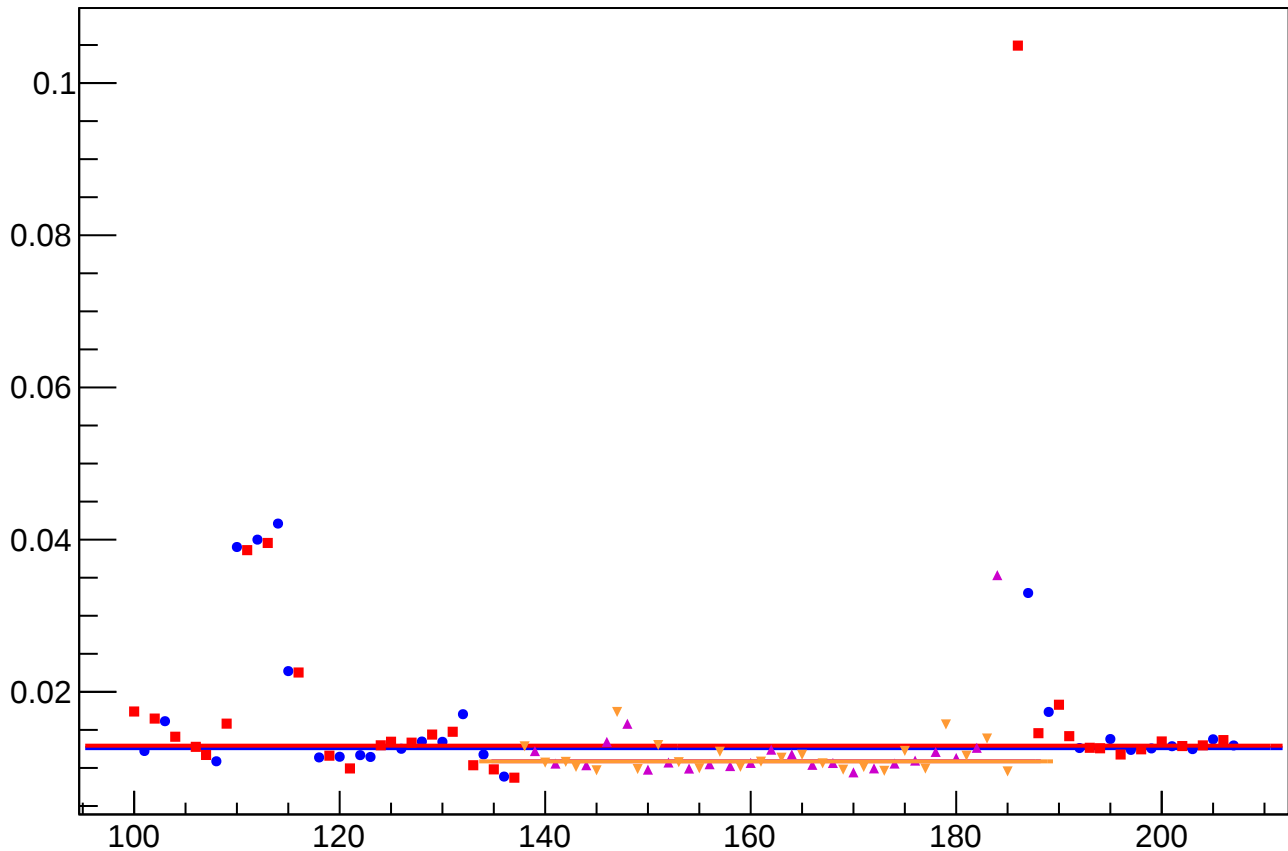
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.076 $\pm$ 0.000 χ^2 /NDF: 8163062012.3/51

All: 0.078 $\pm$ 0.000 χ^2 /NDF: 17359693959.0/100

- sign 0.079 $\pm$ 0.000 χ^2 /NDF: 9195212700.7/53

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1490645.8/26

Left Out: 0.011+/-0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1896598.3/30

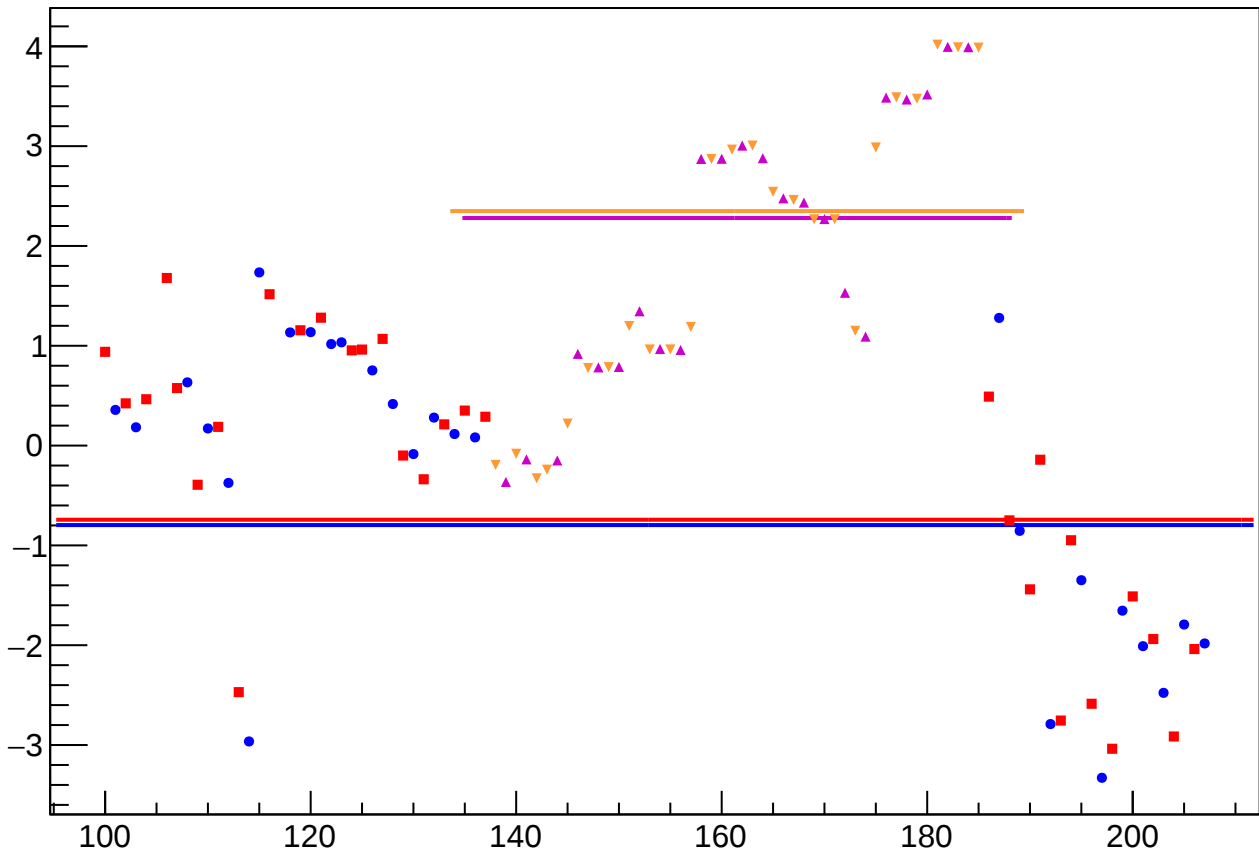
Left In: 0.011+/-0.000 χ^2/NDF : 529867.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 2401011.2/51

All: 0.012+/-0.000 χ^2/NDF : 5249095.7/105

- sign 0.012+/-0.000 χ^2/NDF : 2842137.9/53

yield_bpm1X_mean vs Slug



Right In: -0.796 ± 0.000 χ^2/NDF : 6397743872.5/26

Left Out: 2.349 ± 0.000 χ^2/NDF : 63600066268.3/24

Right Out: -0.743 ± 0.000 χ^2/NDF : 7585115836.5/30

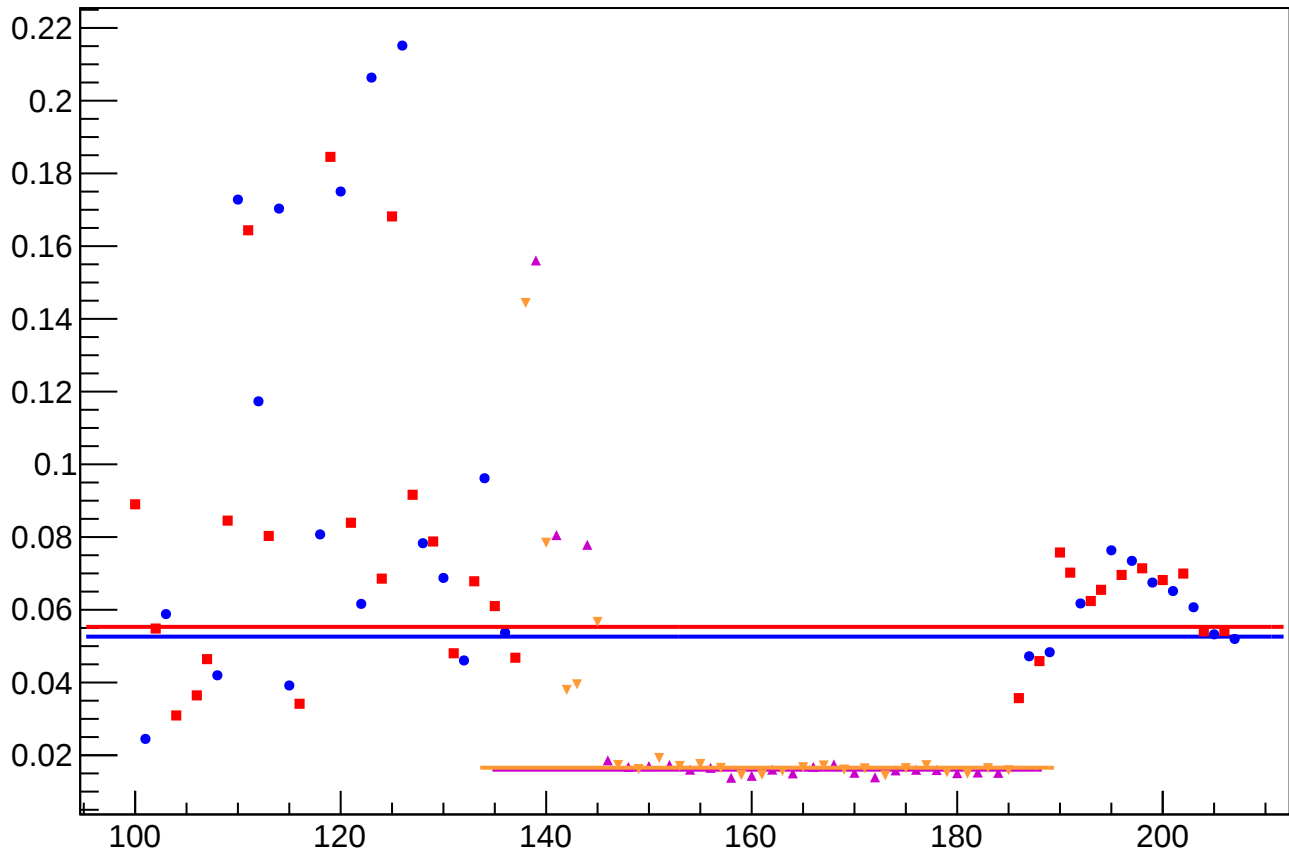
Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

+ sign 2.143 ± 0.000 χ^2/NDF : 103194201858.3/51

All: 2.111 ± 0.000 χ^2/NDF : 203965901116.5

- sign 2.080 ± 0.000 χ^2/NDF : 100660604616.5/53

yield_bpm1X_rms vs Slug



Right In: 0.053 $\pm$ 0.000 χ^2 /NDF: 3459358.7/26

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2838047.8/30

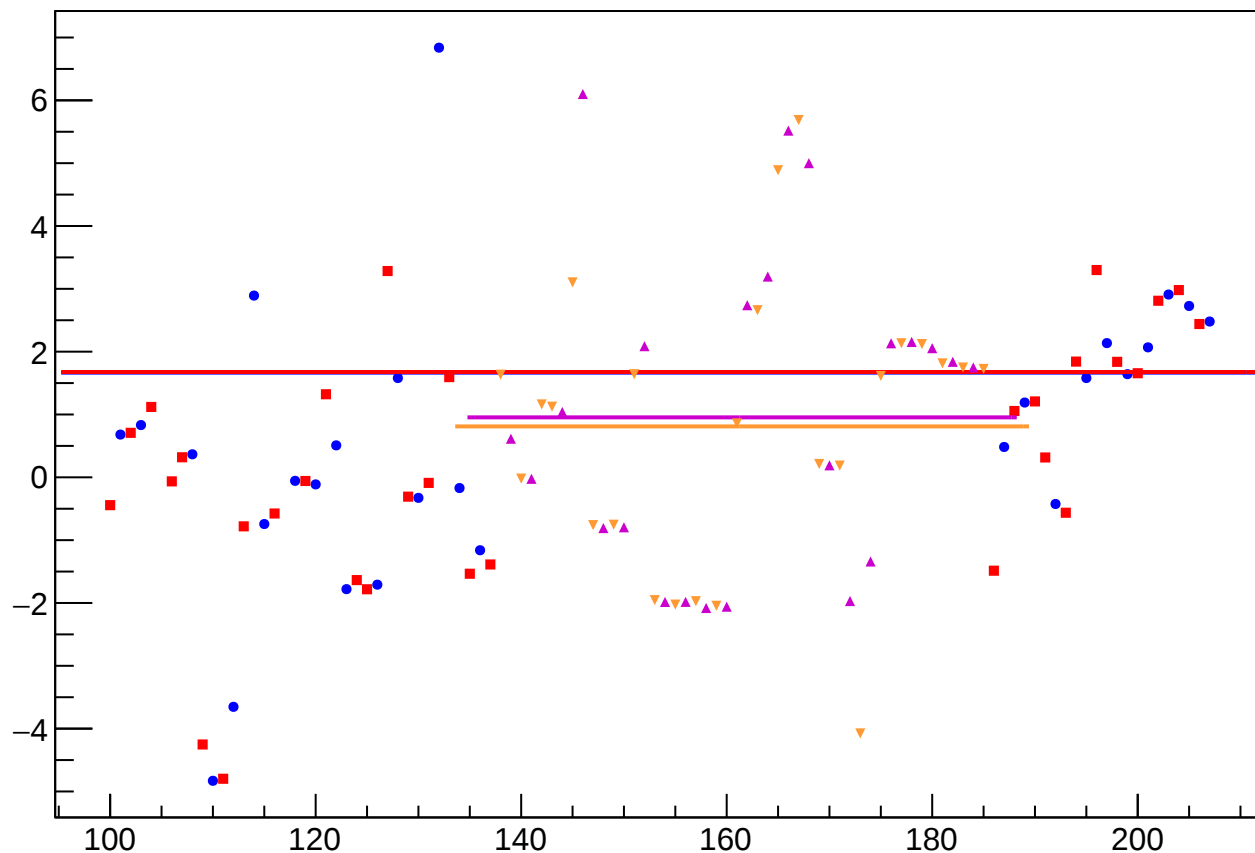
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 14796810.5/51

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 30781750.8/105

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 15979745.4/53

yield_bpm1Y_mean vs Slug



Right In: 1.667 $\pm$ 0.000 χ^2 /NDF: 32564628665.1/26

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 1.676 $\pm$ 0.000 χ^2 /NDF: 33279154545.4/30

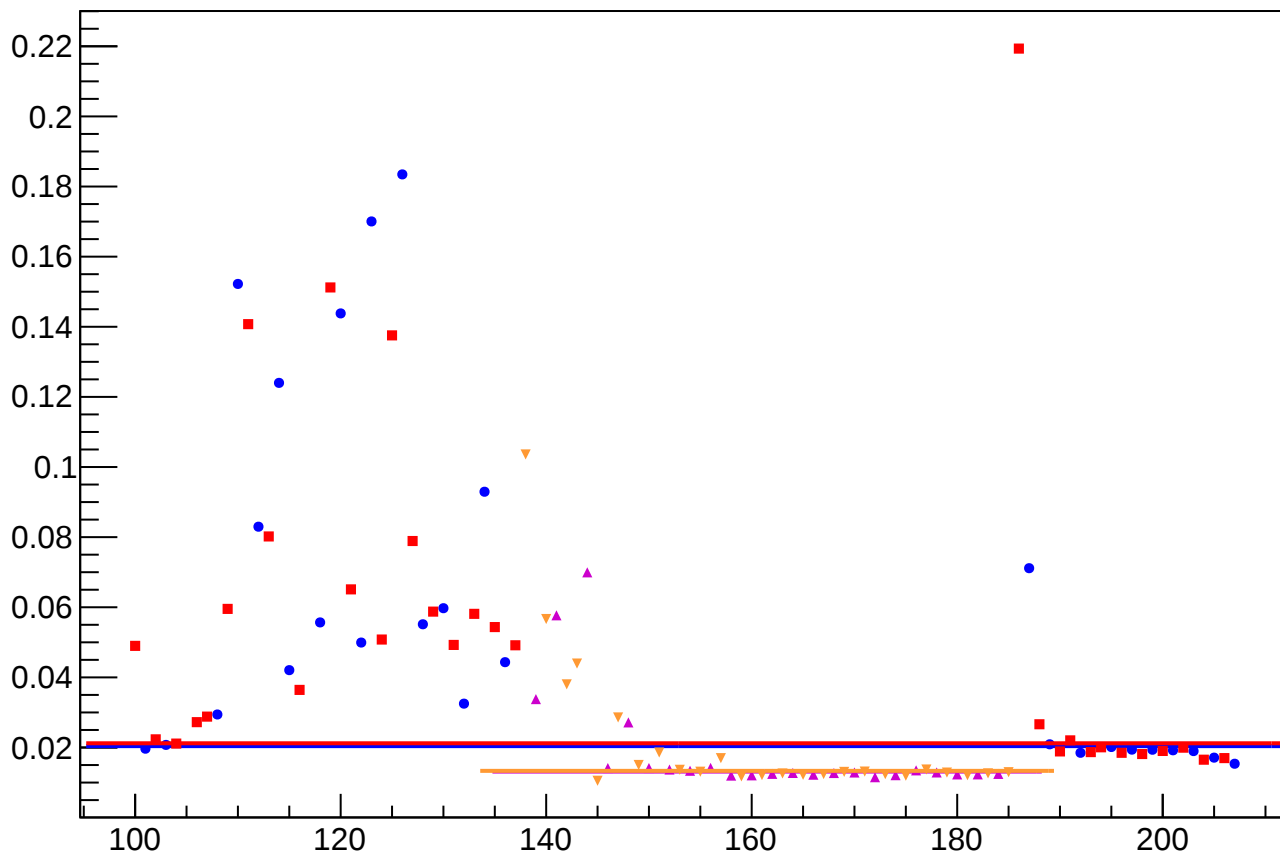
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 0.985 $\pm$ 0.000 χ^2 /NDF: 552843810902.2/51

All: 1.043 $\pm$ 0.000 χ^2 /NDF: 1170693326681.1

- sign 1.101 $\pm$ 0.000 χ^2 /NDF: 617126237529.6/53

yield_bpm1Y_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 3981675.7/26

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829070.5/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 5030573.7/30

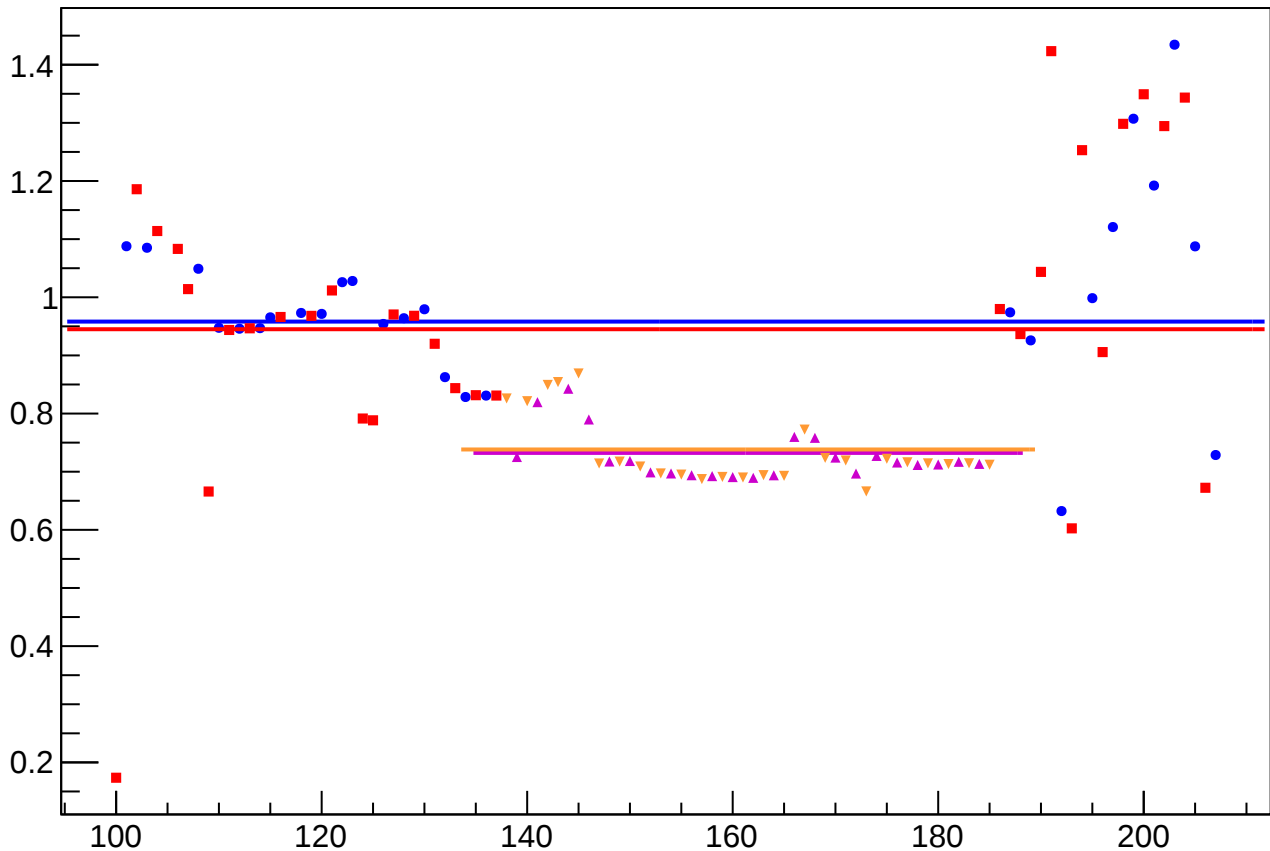
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1968206.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 8532710.4/51

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 17796653.0/105

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 9263942.0/53

yield_bpm11X_mean vs Slug



Right In: 0.958 $\pm$ 0.000 χ^2 /NDF: 622581104.6/26

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

Right Out: 0.945 $\pm$ 0.000 χ^2 /NDF: 1053030723.5/30

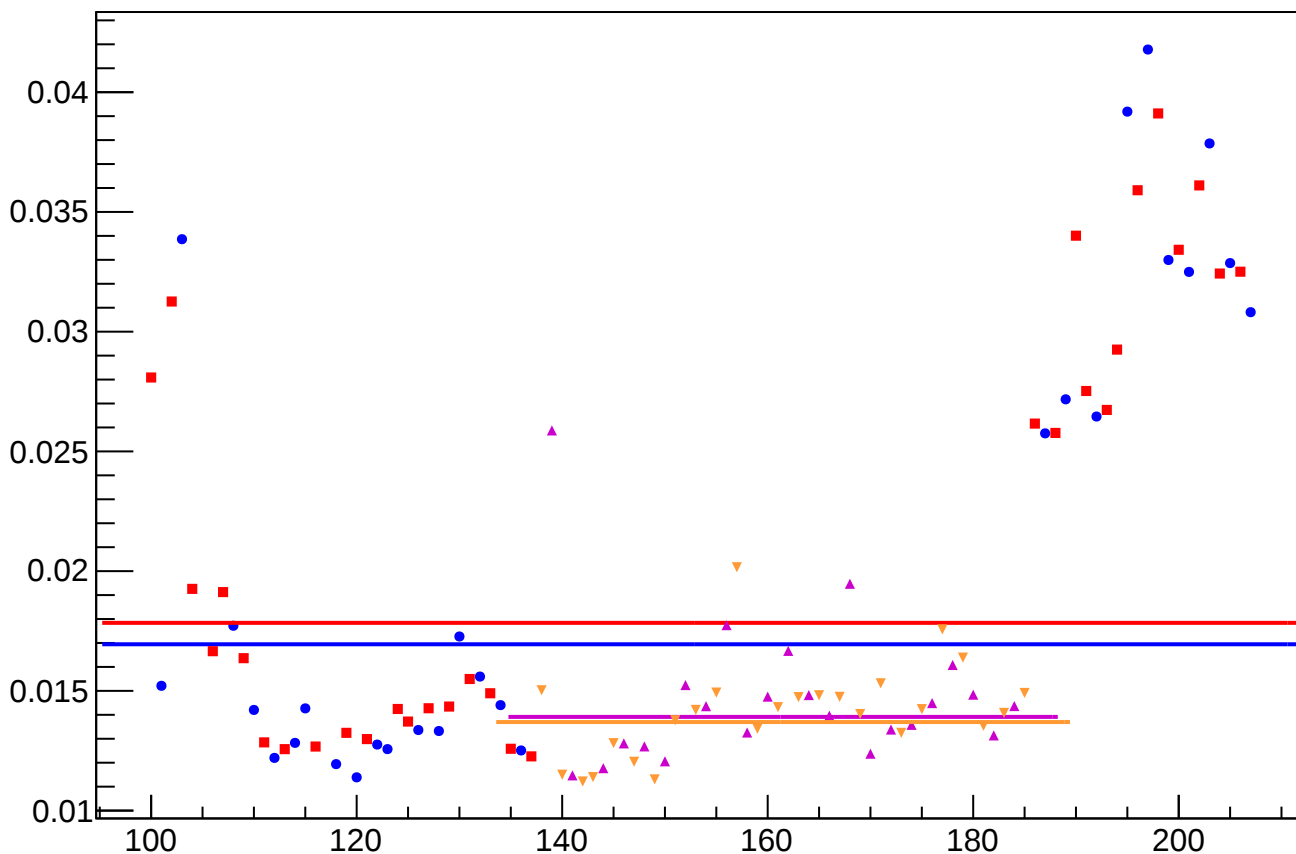
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

+ sign 0.804 $\pm$ 0.000 χ^2 /NDF: 2179779653.8/51

All: 0.802 $\pm$ 0.000 χ^2 /NDF: 4553729501.4/10

- sign 0.800 $\pm$ 0.000 χ^2 /NDF: 2372872158.6/53

yield_bpm11X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 4343030.0/26

Left Out: 0.014+/-0.000 χ^2/NDF : 530851.9/24

Right Out: 0.018+/-0.000 χ^2/NDF : 4044009.9/30

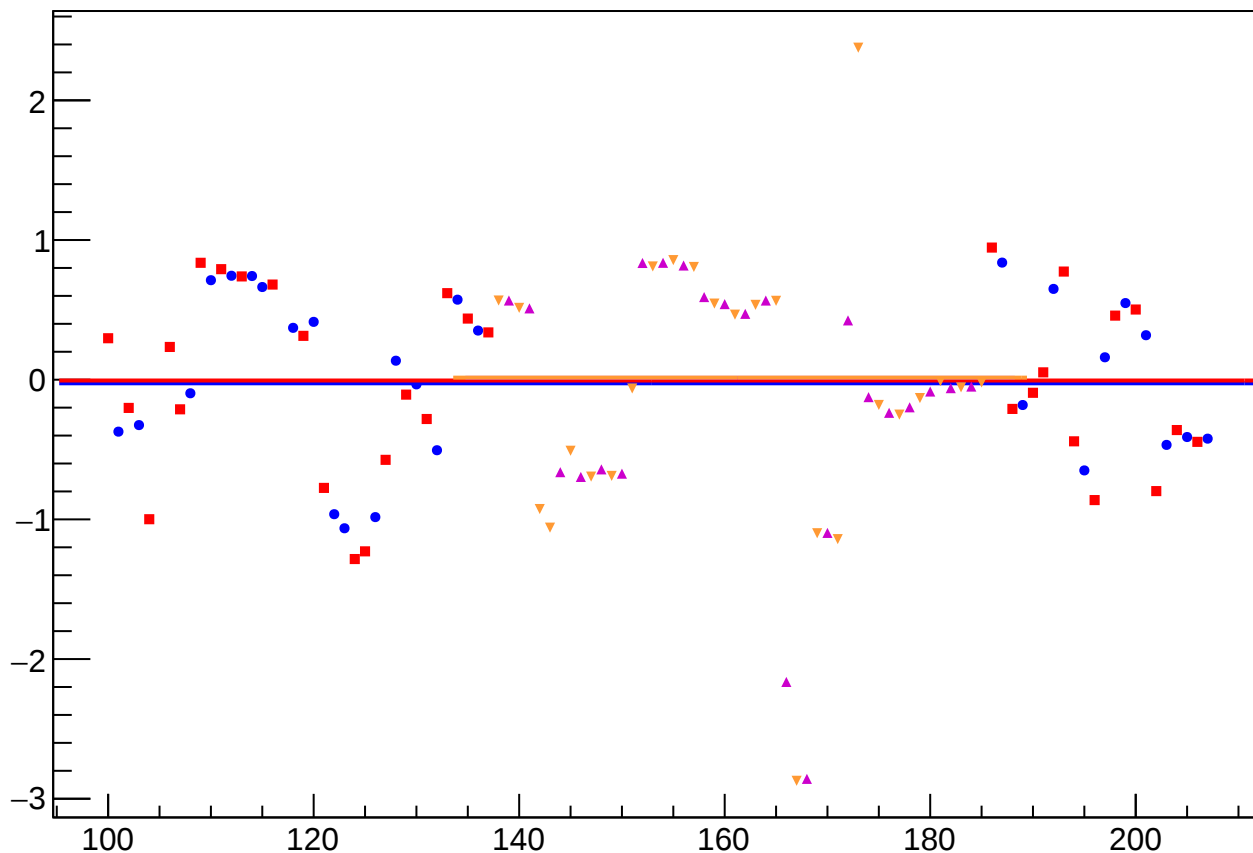
Left In: 0.014+/-0.000 χ^2/NDF : 794558.0/22

+ sign 0.015+/-0.000 χ^2/NDF : 5417453.7/51

All: 0.015+/-0.000 χ^2/NDF : 11068056.6/105

- sign 0.015+/-0.000 χ^2/NDF : 5621974.6/53

yield_bpm11Y_mean vs Slug



Right In: -0.026 ± 0.000 $\chi^2/\text{NDF}: 19289337339.9/26$

Left Out: 0.015 ± 0.000 $\chi^2/\text{NDF}: 96087835995.8/24$

Right Out: -0.006 ± 0.000 $\chi^2/\text{NDF}: 29550168559.7/30$

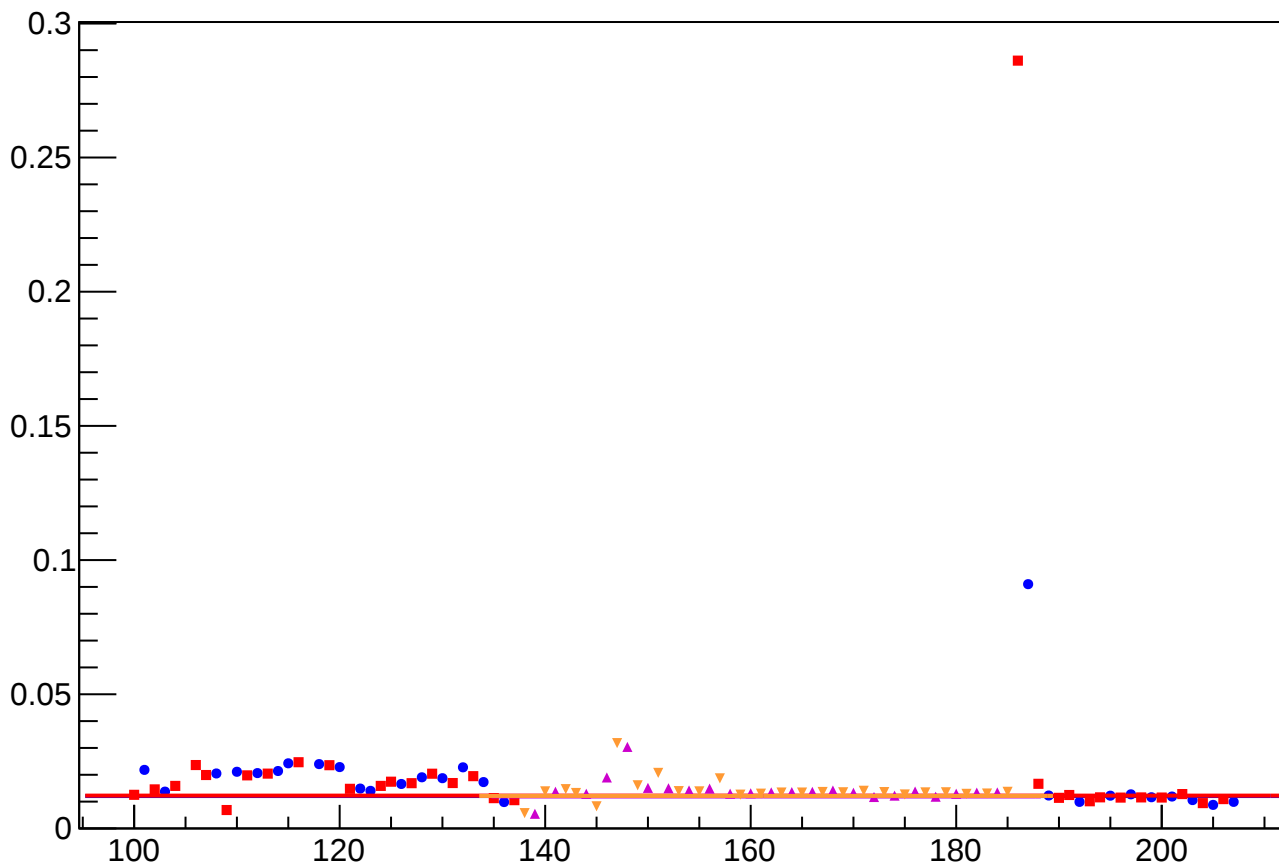
Left In: 0.013 ± 0.000 $\chi^2/\text{NDF}: 79445696658.6/22$

+ sign -0.002 ± 0.000 $\chi^2/\text{NDF}: 115452395660.4/51$

All: 0.001 ± 0.000 $\chi^2/\text{NDF}: 224469299821.4$

- sign 0.005 ± 0.000 $\chi^2/\text{NDF}: 109012160588.6/53$

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2283179.7/26

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2682442.7/30

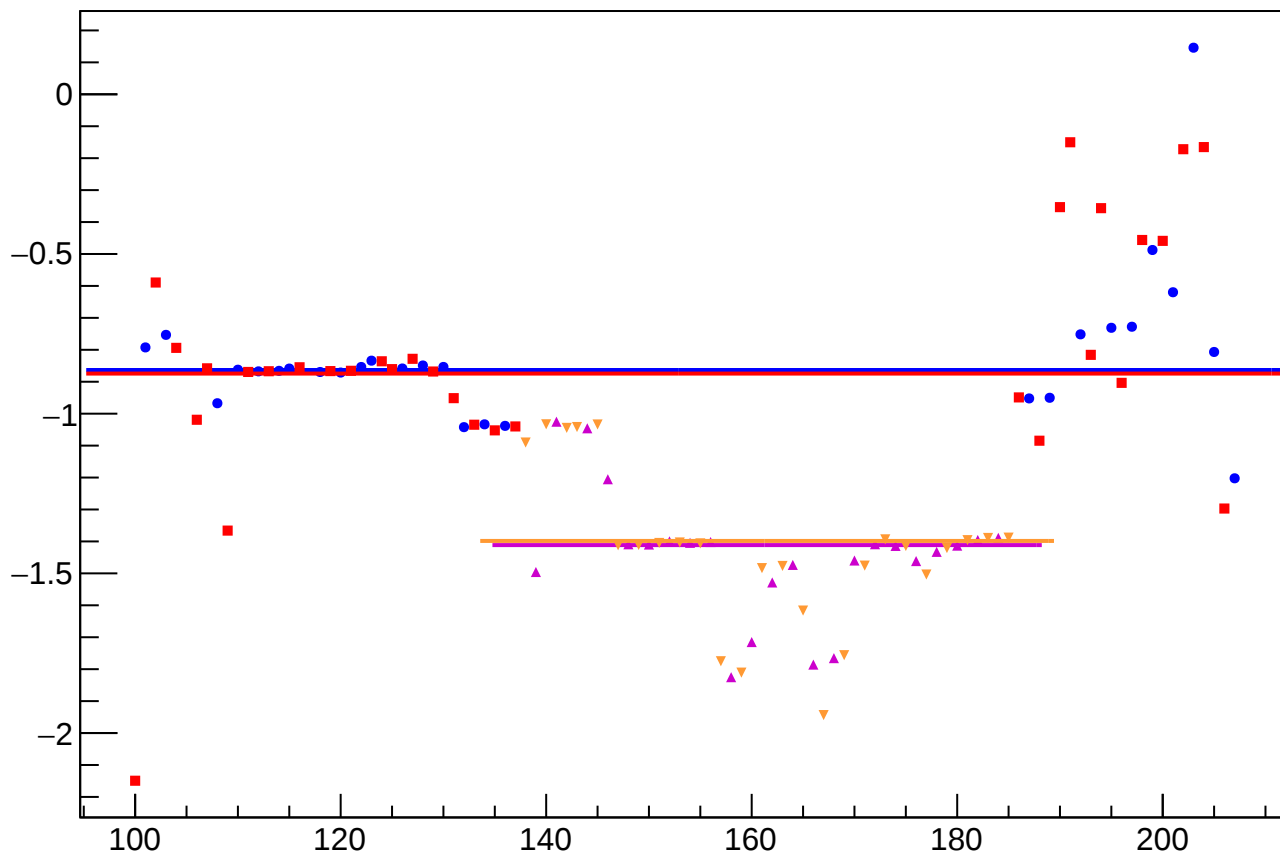
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5390965.5/51

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11188771.7/105

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5797578.2/53

yield_bpm12X_mean vs Slug



Right In: -0.863+/-0.000 χ^2/NDF : 185575901.1/26

Left Out: -1.398+/-0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.874+/-0.000 χ^2/NDF : 394002918.5/30

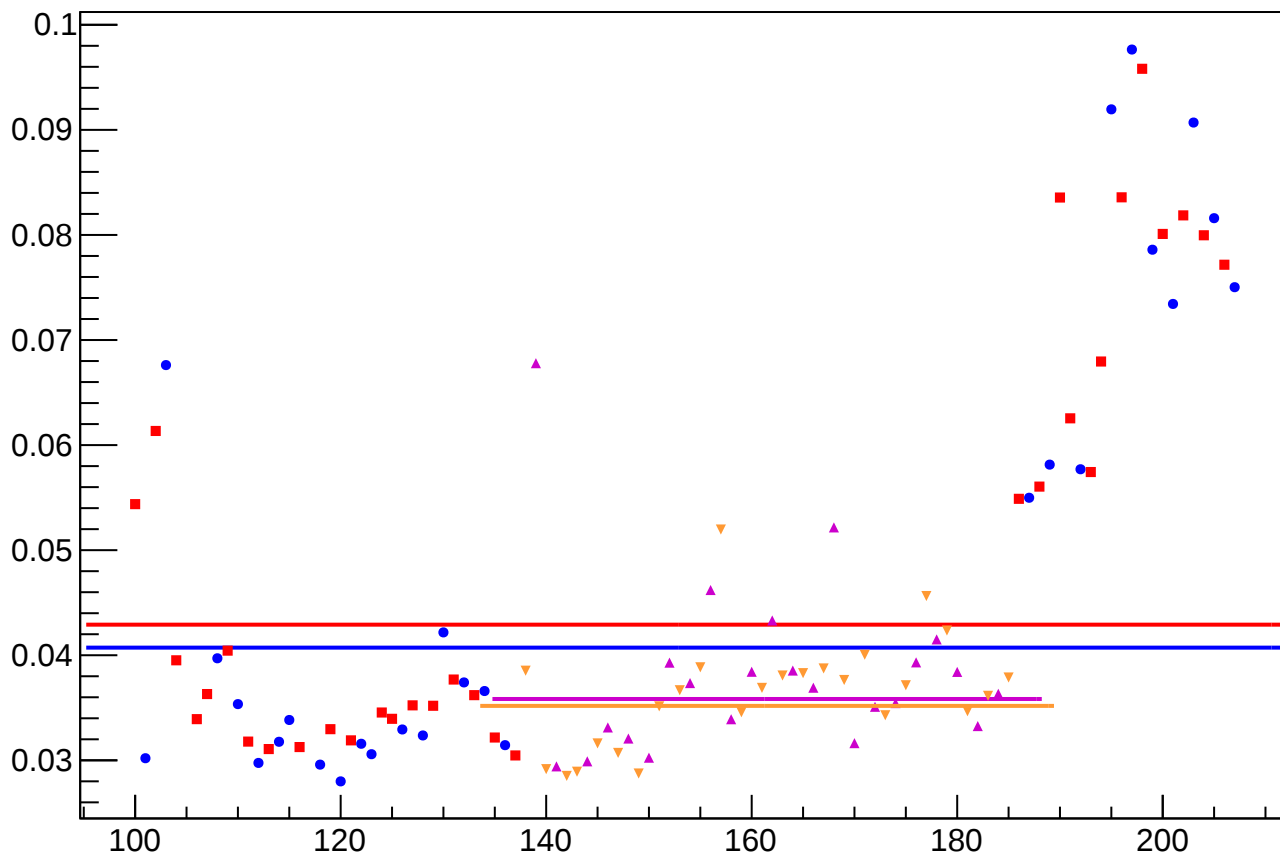
Left In: -1.412+/-0.000 χ^2/NDF : 512629872.4/22

+ sign -1.221+/-0.000 χ^2/NDF : 2156715767.7/51

All: -1.221+/-0.000 χ^2/NDF : 4284498654.3/1

- sign -1.222+/-0.000 χ^2/NDF : 2127770634.4/53

yield_bpm12X_rms vs Slug



Right In: 0.041+/-0.000 χ^2/NDF : 4017215.8/26

Left Out: 0.035+/-0.000 χ^2/NDF : 597886.0/24

Right Out: 0.043+/-0.000 χ^2/NDF : 3545849.6/30

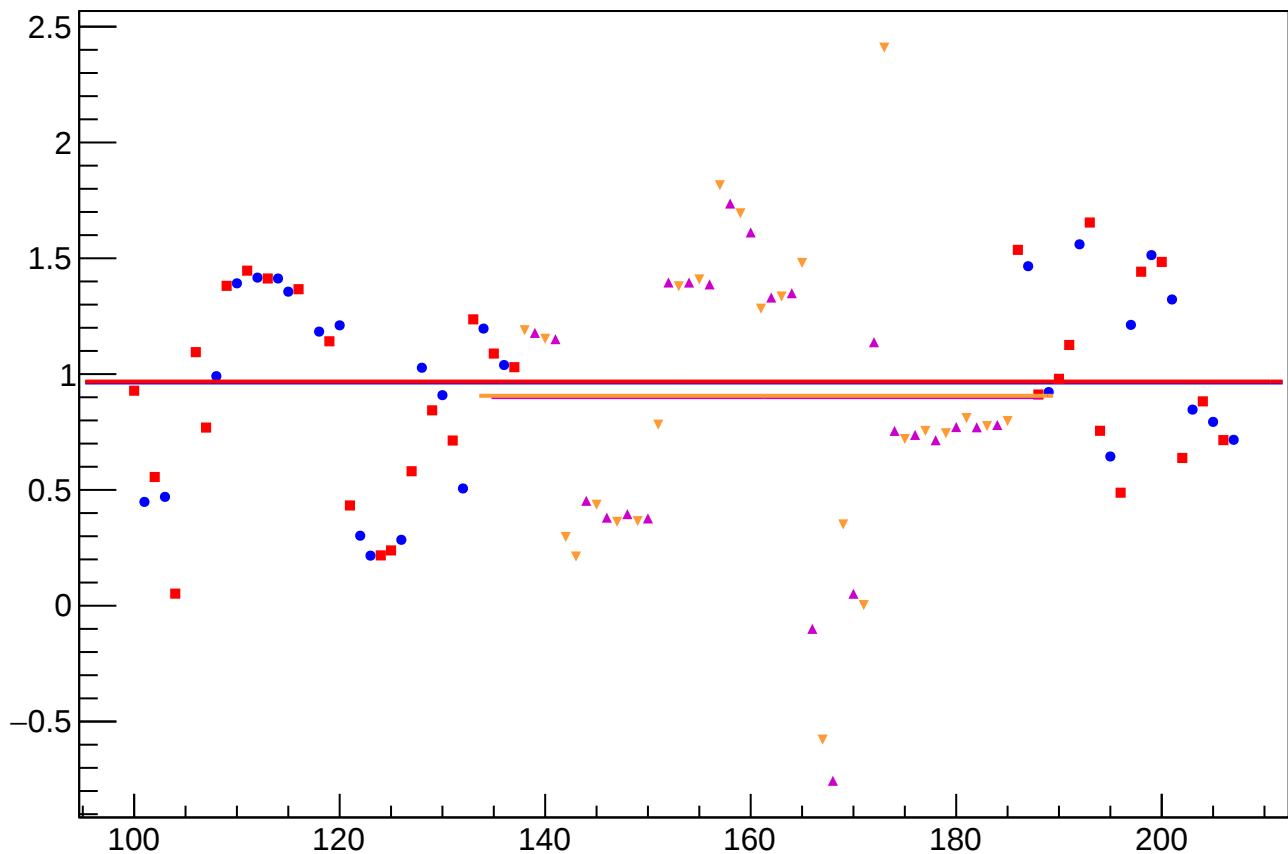
Left In: 0.036+/-0.000 χ^2/NDF : 890993.5/22

+ sign 0.037+/-0.000 χ^2/NDF : 4880546.6/51

All: 0.038+/-0.000 χ^2/NDF : 9773816.5/105

- sign 0.038+/-0.000 χ^2/NDF : 4860517.7/53

yield_bpm12Y_mean vs Slug



Right In: 0.964 $\pm$ 0.000 χ^2 /NDF: 22451600065.7/26

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 0.968 $\pm$ 0.000 χ^2 /NDF: 27195277579.3/30

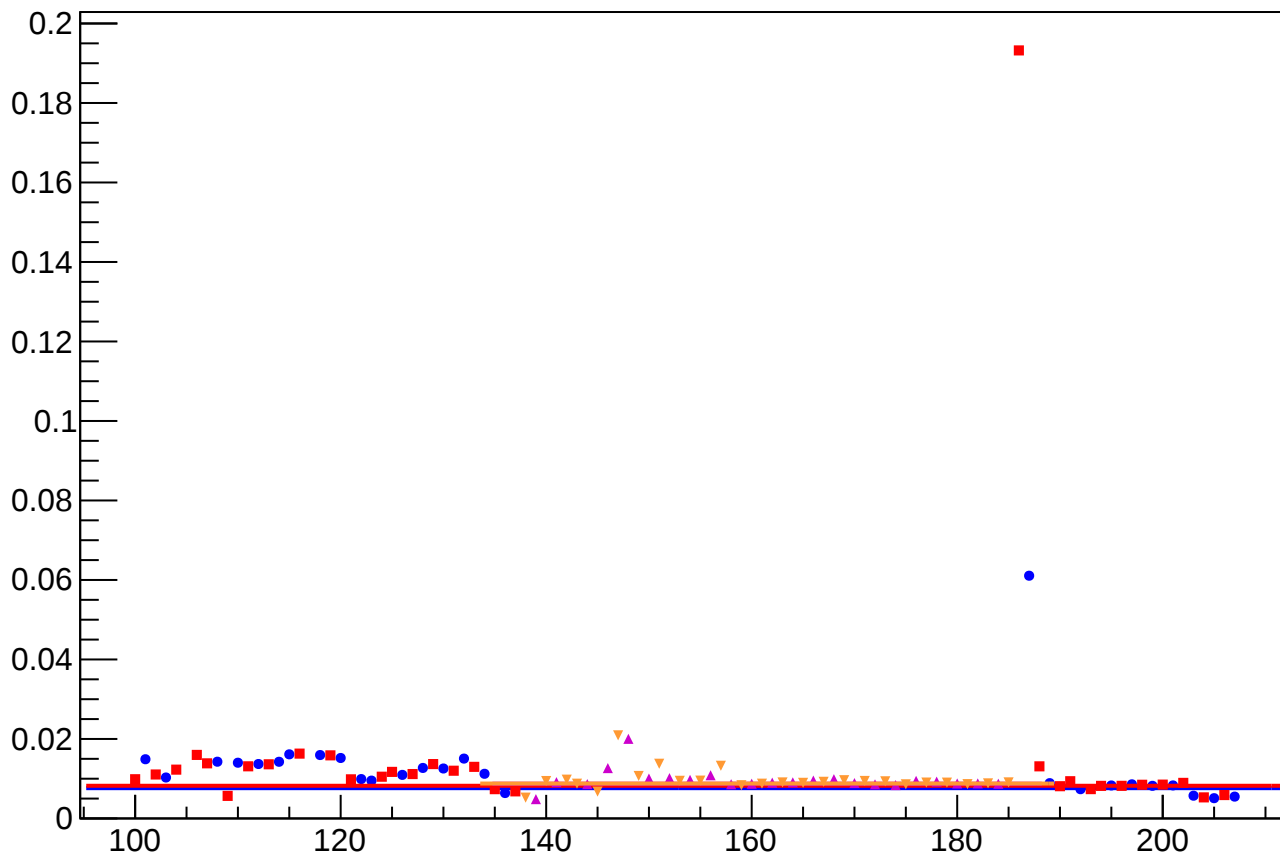
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 0.933 $\pm$ 0.000 χ^2 /NDF: 106901246731.0/51

All: 0.933 $\pm$ 0.000 χ^2 /NDF: 201468008522.0

- sign 0.932 $\pm$ 0.000 χ^2 /NDF: 94566306328.5/53

yield_bpm12Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 3002801.1/26

Left Out: 0.009+/-0.000 χ^2/NDF : 1698526.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3114642.1/30

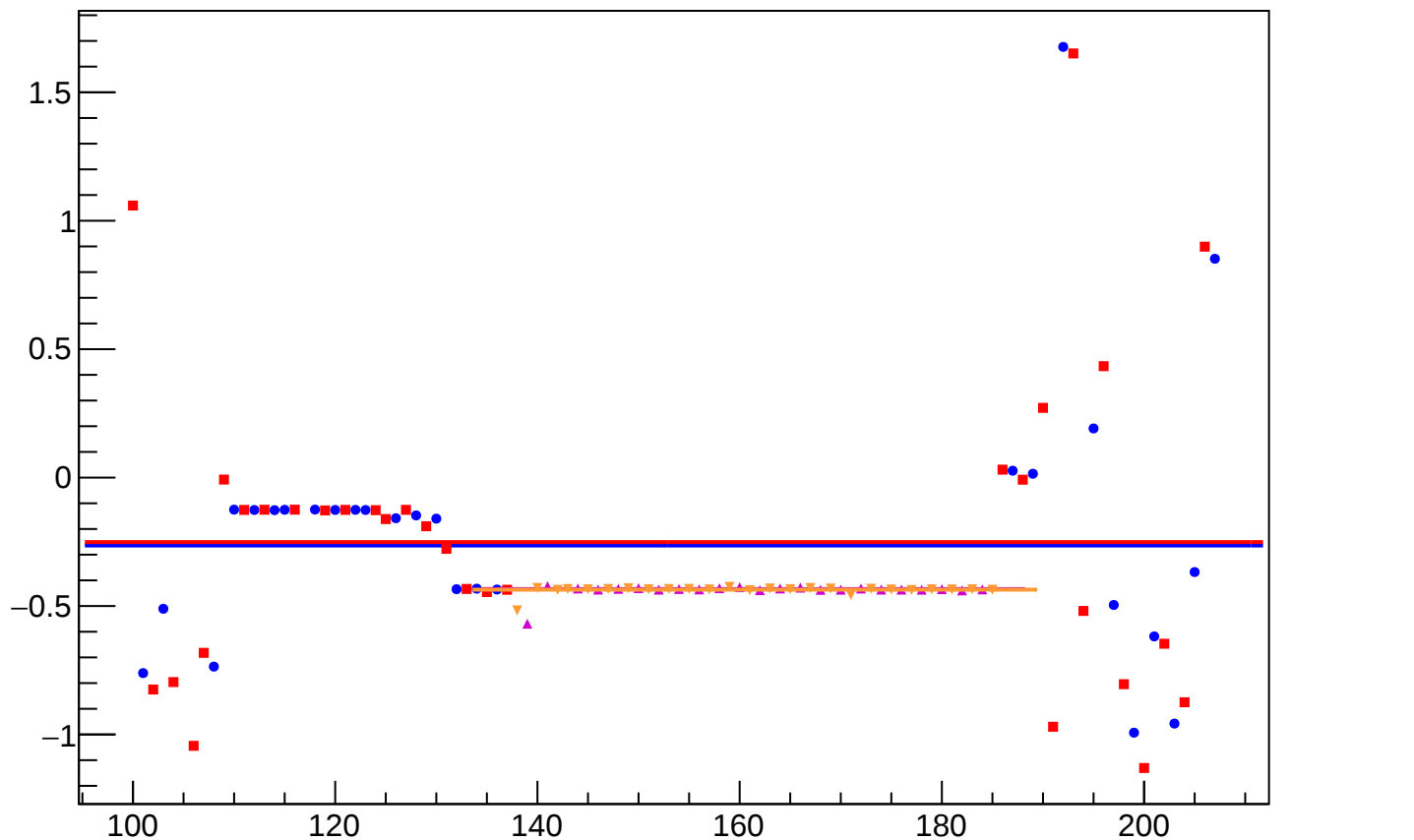
Left In: 0.009+/-0.000 χ^2/NDF : 1669983.7/22

+ sign 0.008+/-0.000 χ^2/NDF : 4982508.9/51

All: 0.008+/-0.000 χ^2/NDF : 9845769.7/105

- sign 0.008+/-0.000 χ^2/NDF : 4835572.1/53

yield_bpm16X_mean vs Slug



Right In: -0.264 ± 0.000 $\chi^2/\text{NDF}: 2625304501.9/26$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28776503.9/24$

Right Out: -0.251 ± 0.000 $\chi^2/\text{NDF}: 2658436201.6/30$

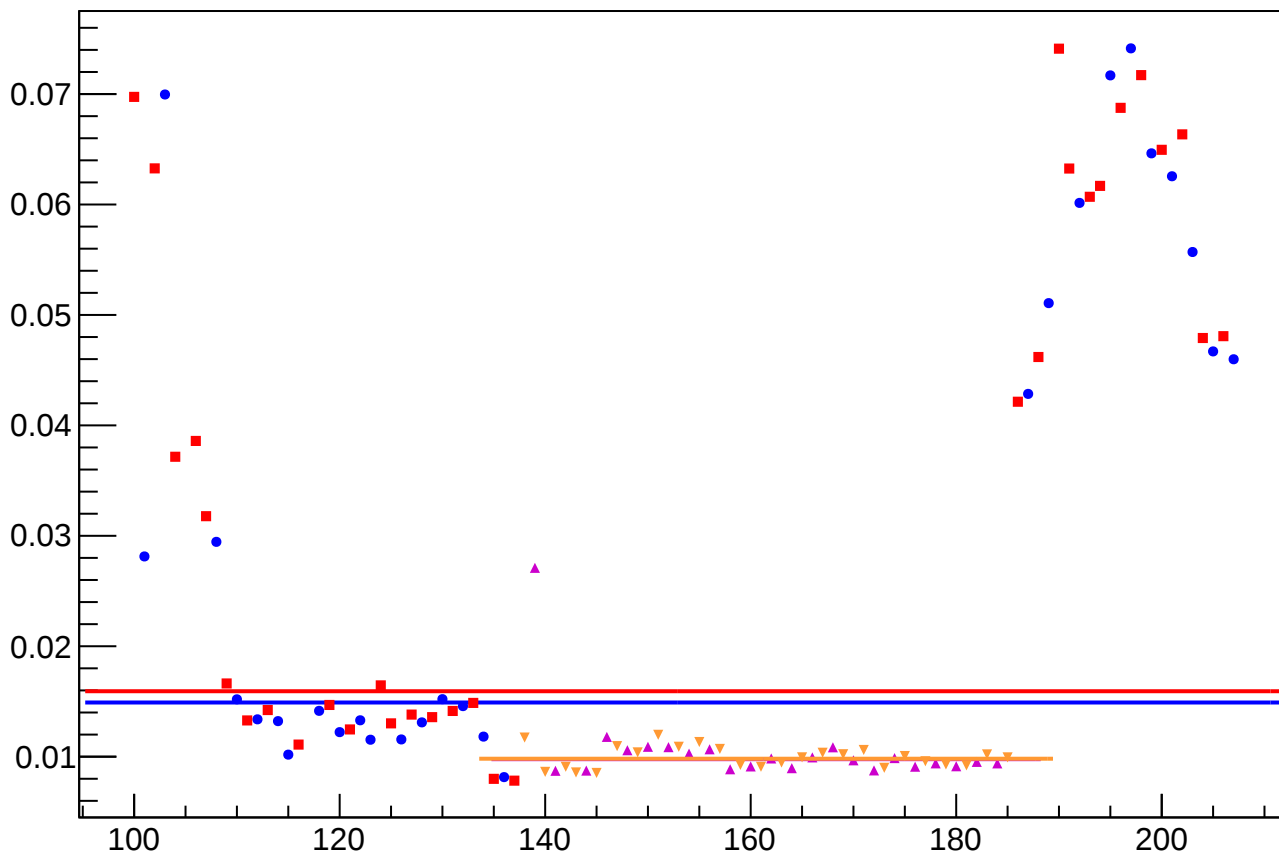
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 20164730.3/22$

+ sign -0.407 ± 0.000 $\chi^2/\text{NDF}: 3477342017.1/51$

All: -0.405 ± 0.000 $\chi^2/\text{NDF}: 7047279438.0/1$

- sign -0.402 ± 0.000 $\chi^2/\text{NDF}: 3568057352.6/53$

yield_bpm16X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 9733740.1/26

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 271172.3/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 10613999.7/30

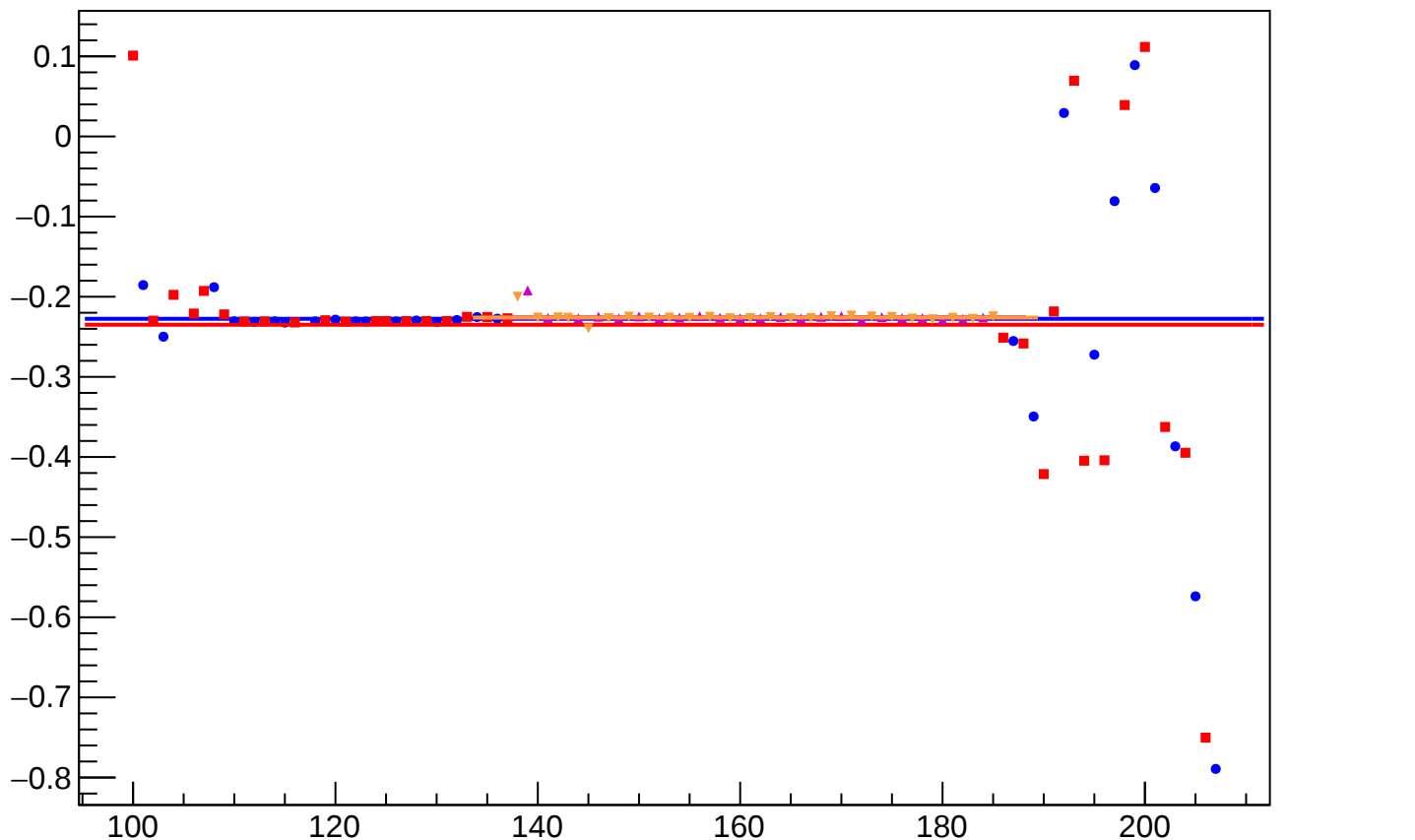
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 786577.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 11449241.6/51

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 24867377.5/105

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 13413763.6/53

yield_bpm16Y_mean vs Slug



Right In: -0.228 ± 0.000 $\chi^2/\text{NDF}: 14114803783.9/26$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21207366.3/24$

Right Out: -0.235 ± 0.000 $\chi^2/\text{NDF}: 13480422348.4/30$

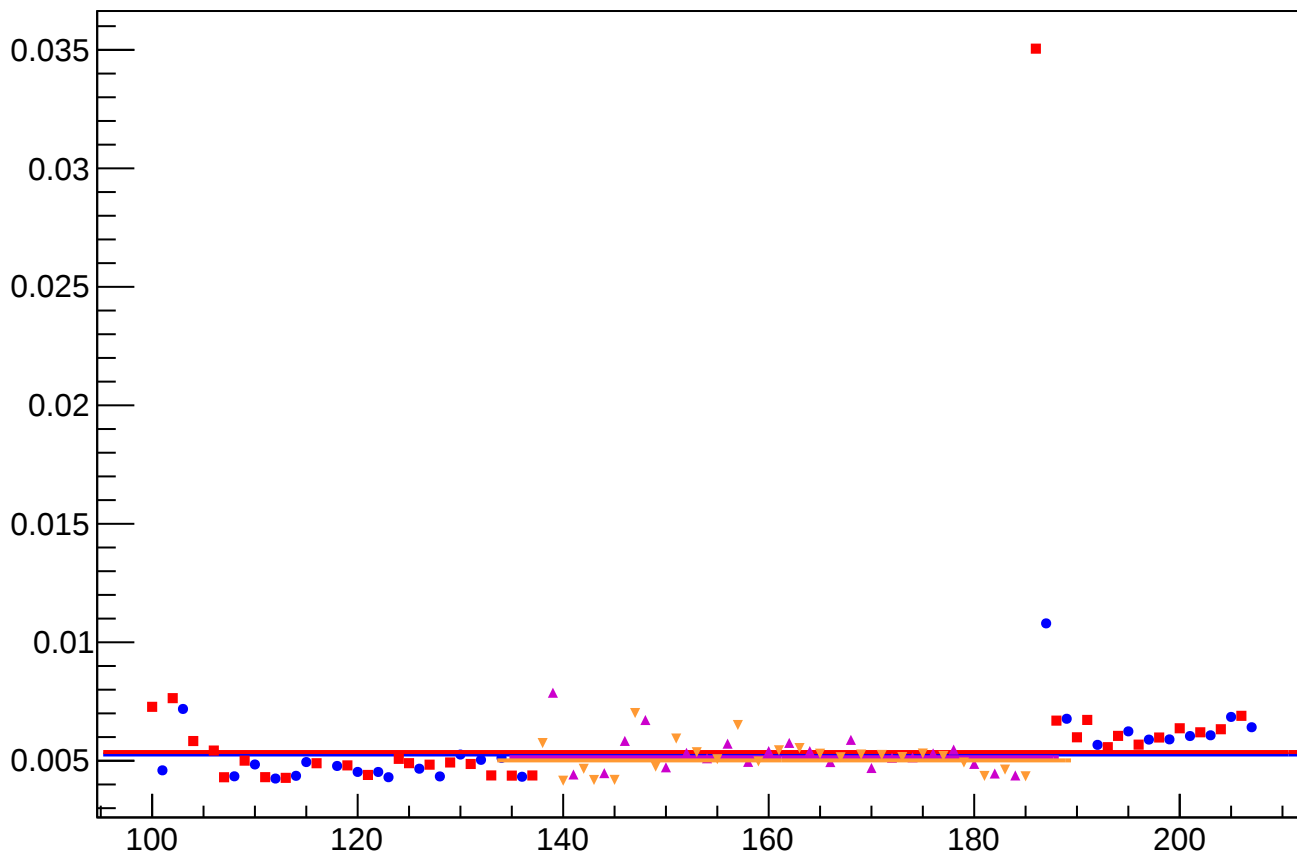
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 13717302.5/22$

+ sign -0.227 ± 0.000 $\chi^2/\text{NDF}: 14136637071.7/51$

All: -0.228 ± 0.000 $\chi^2/\text{NDF}: 27658619835.3/103$

- sign -0.230 ± 0.000 $\chi^2/\text{NDF}: 13516720076.1/53$

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 747351.7/26

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1256489.5/30

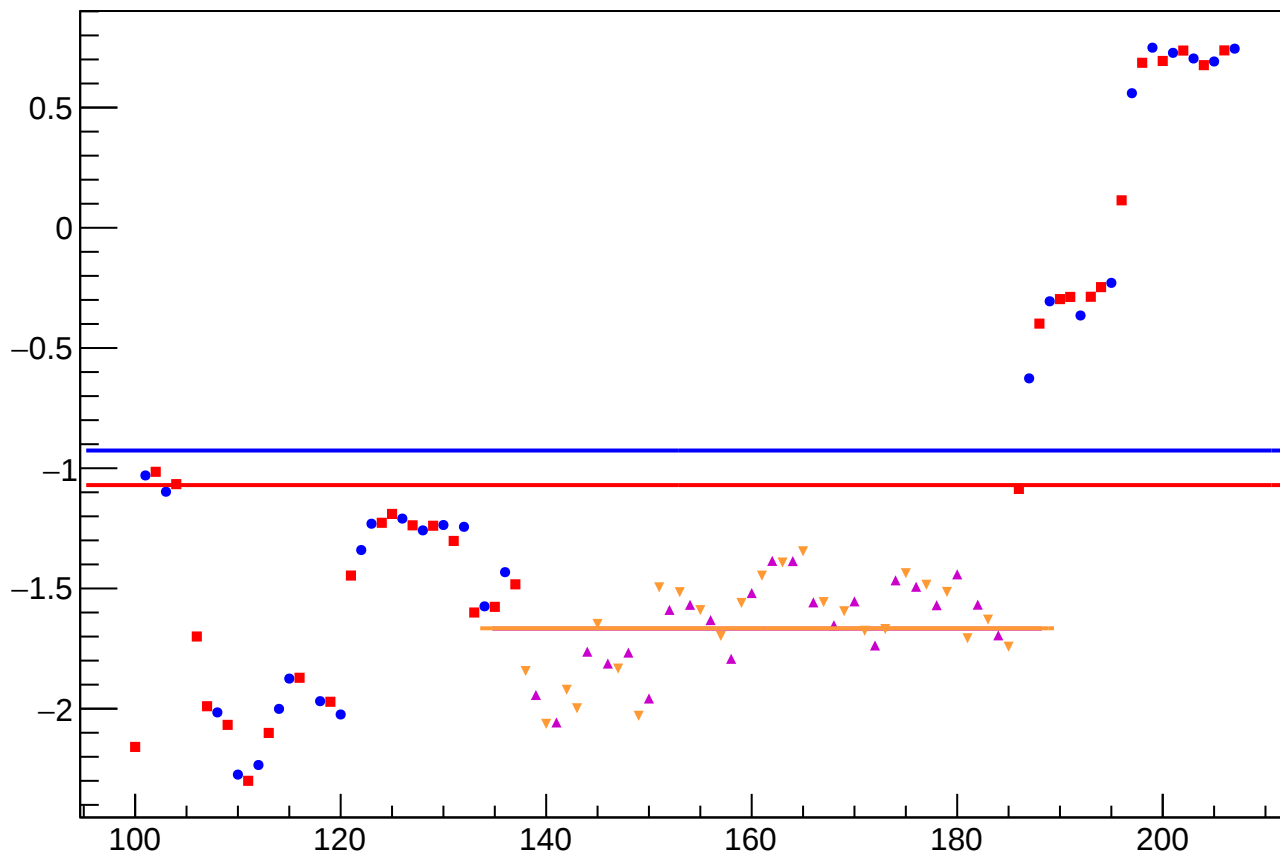
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1313597.7/51

All: 0.005+/-0.000 χ^2/NDF : 3118476.2/105

- sign 0.005+/-0.000 χ^2/NDF : 1786226.4/53

yield_bpm0l01X_mean vs Slug



Right In: -0.926 ± 0.000 $\chi^2/\text{NDF}: 181782787272.2/26$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18368038680.8/24$

Right Out: -1.070 ± 0.000 $\chi^2/\text{NDF}: 201641560046.2/30$

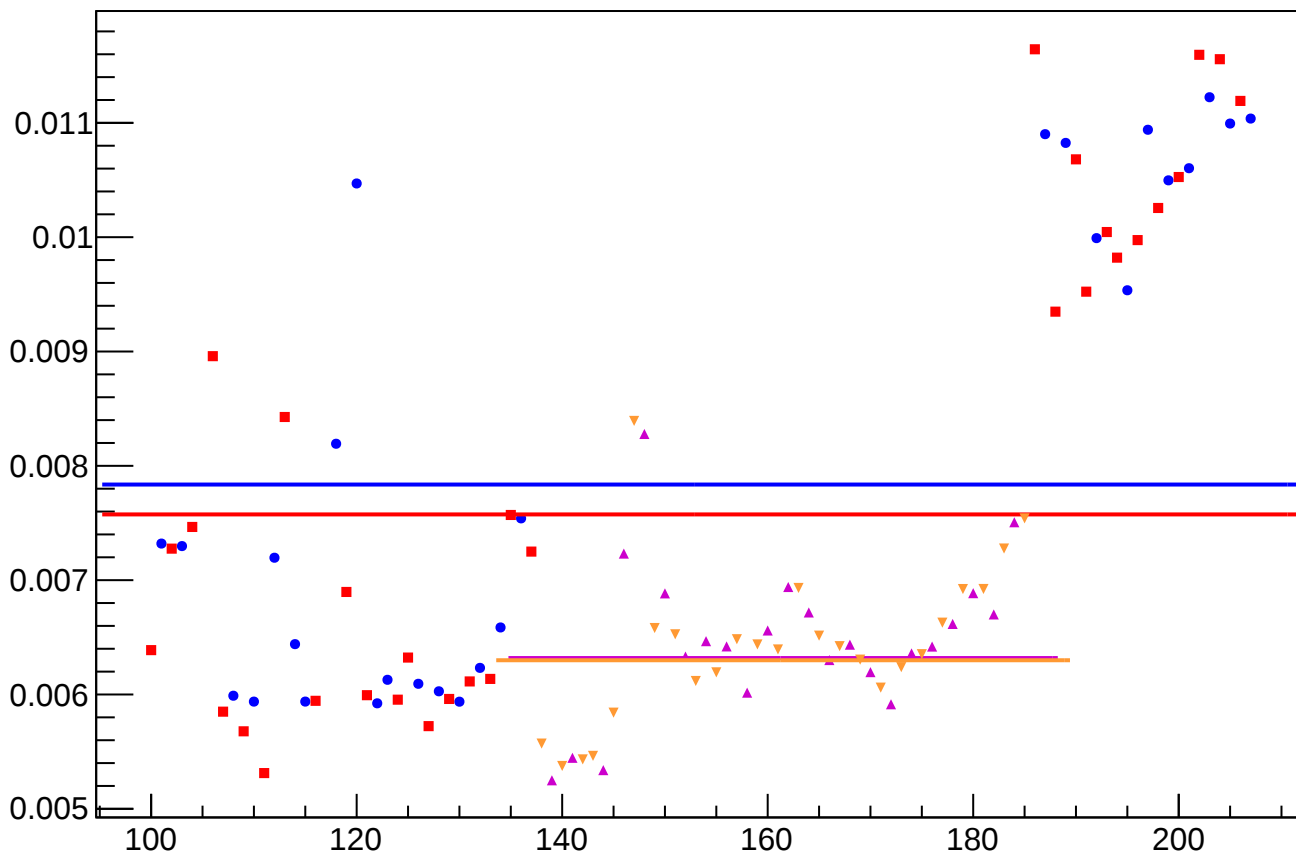
Left In: -1.667 ± 0.000 $\chi^2/\text{NDF}: 14615453869.3/22$

+ sign -1.435 ± 0.000 $\chi^2/\text{NDF}: 275550862304.0/51$

All: -1.443 ± 0.000 $\chi^2/\text{NDF}: 545376211882.7$

- sign -1.450 ± 0.000 $\chi^2/\text{NDF}: 269747465911.5/53$

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1570550.1/26

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1913384.5/30

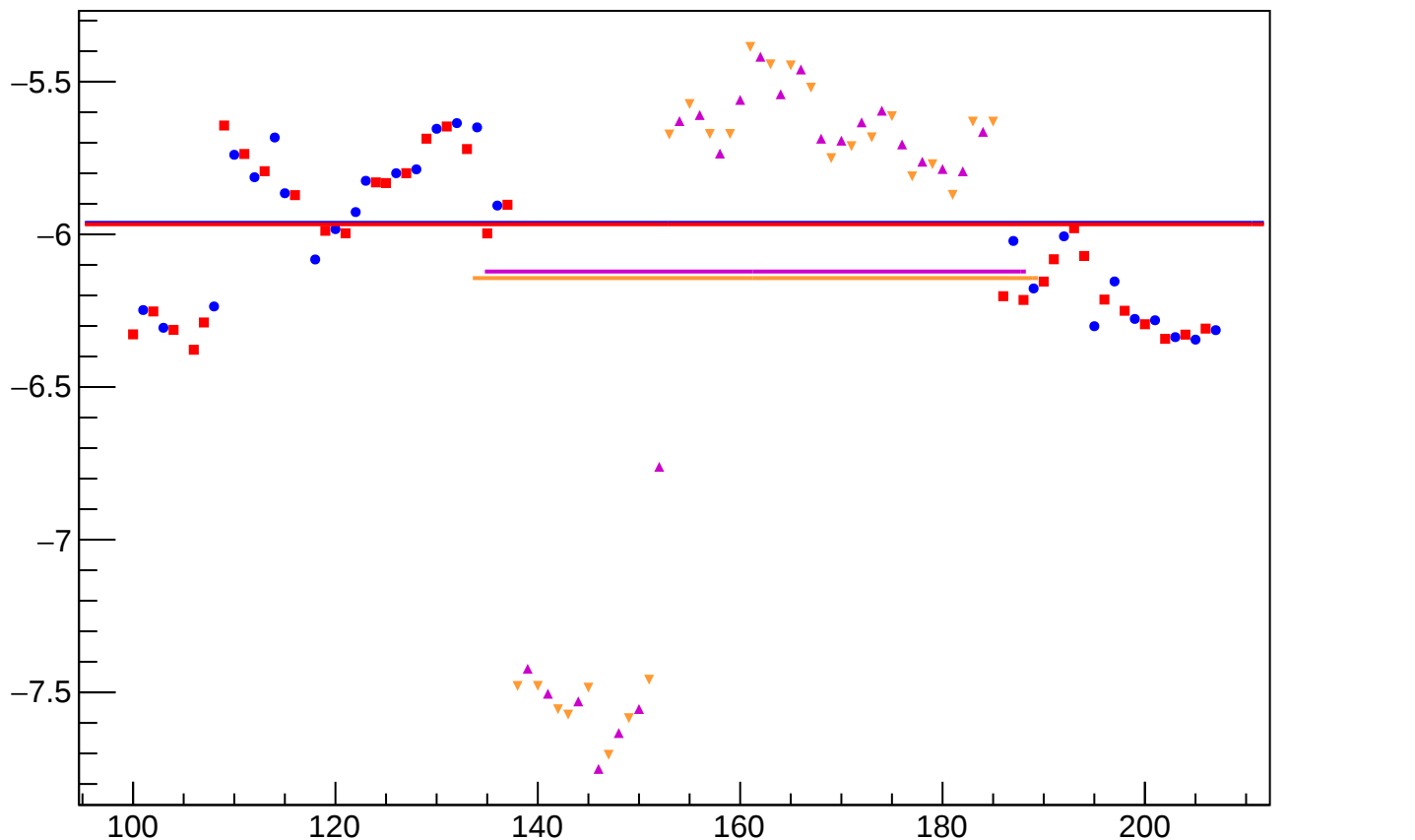
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 2534934.0/51

All: 0.007+/-0.000 χ^2/NDF : 5256619.3/105

- sign 0.007+/-0.000 χ^2/NDF : 2721671.0/53

yield_bpm0l01Y_mean vs Slug



Right In: -5.962+/-0.000 χ^2/NDF : 15032506171.4/26

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -5.967+/-0.000 χ^2/NDF : 16350328651.2/30

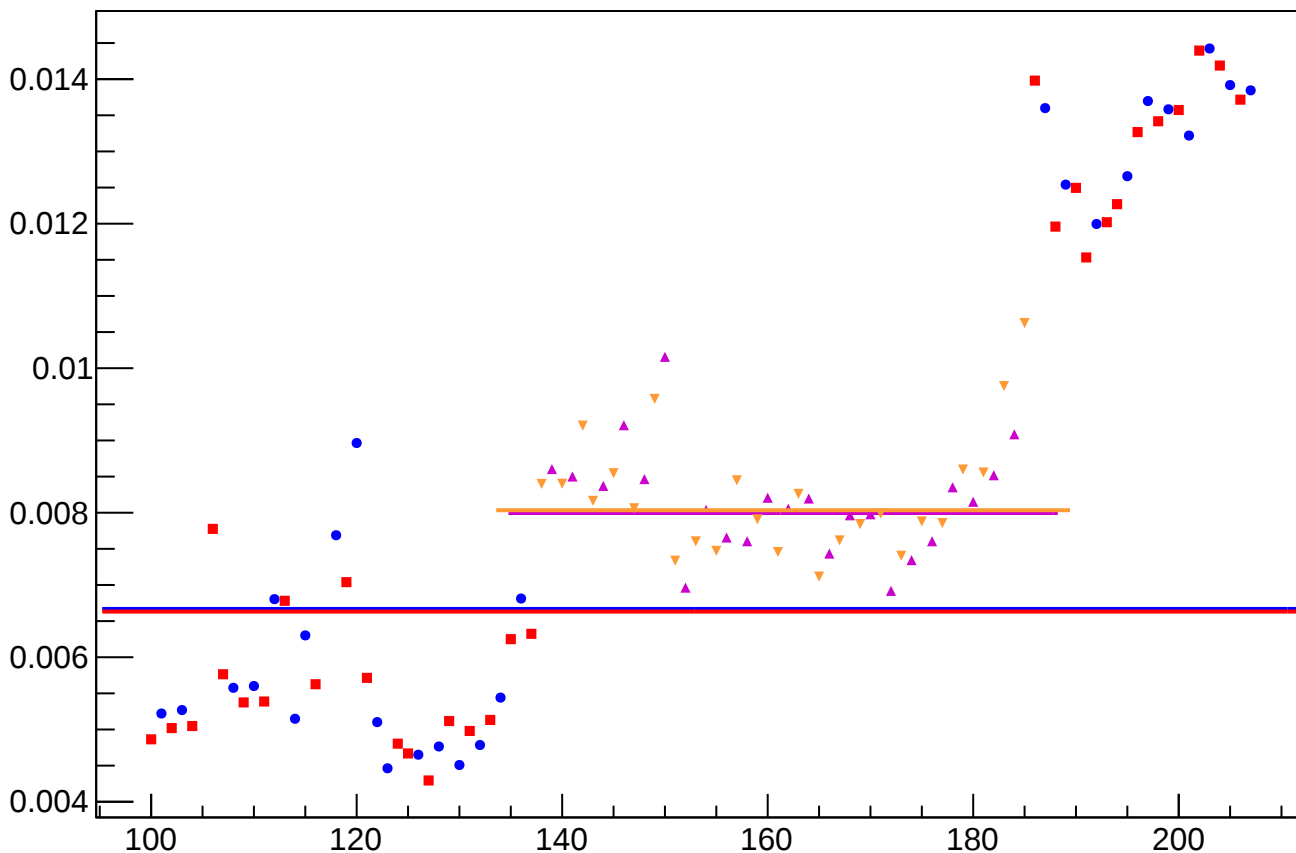
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.056+/-0.000 χ^2/NDF : 204827039902.7/51

All: -6.049+/-0.000 χ^2/NDF : 384231948220.7

- sign -6.041+/-0.000 χ^2/NDF : 179351958547.0/53

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 4455499.6/26

Left Out: 0.008+/-0.000 χ^2/NDF :205976.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4729155.4/30

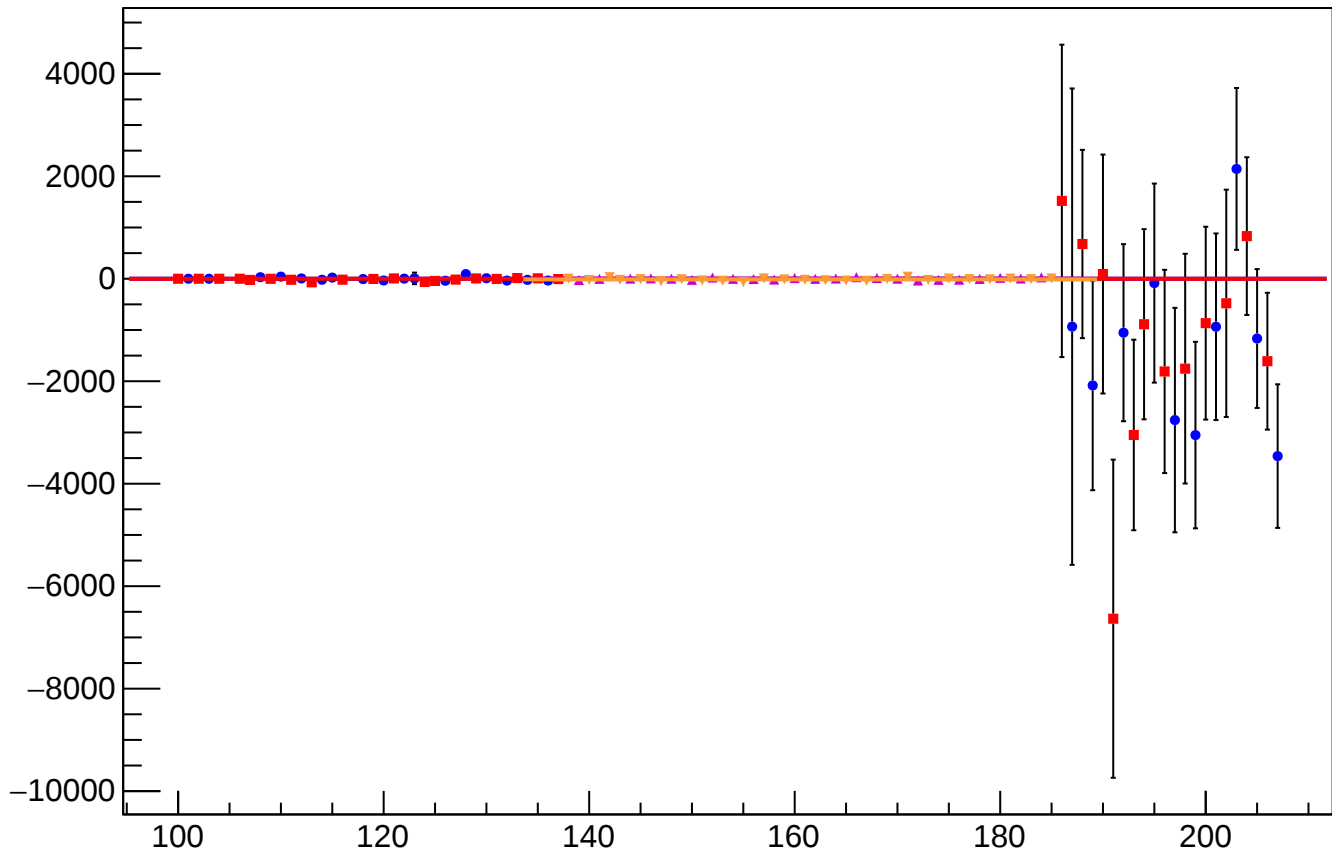
Left In: 0.008+/-0.000 χ^2/NDF :220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 5125948.1/51

All: 0.007+/-0.000 χ^2/NDF : 10559745.2/105

- sign 0.007+/-0.000 χ^2/NDF : 5429972.2/53

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 31.1/26

Left Out: -13.472+/-2.796 χ^2/NDF : 58.5/24

Right Out: 0.003+/-0.016 χ^2/NDF : 26.3/30

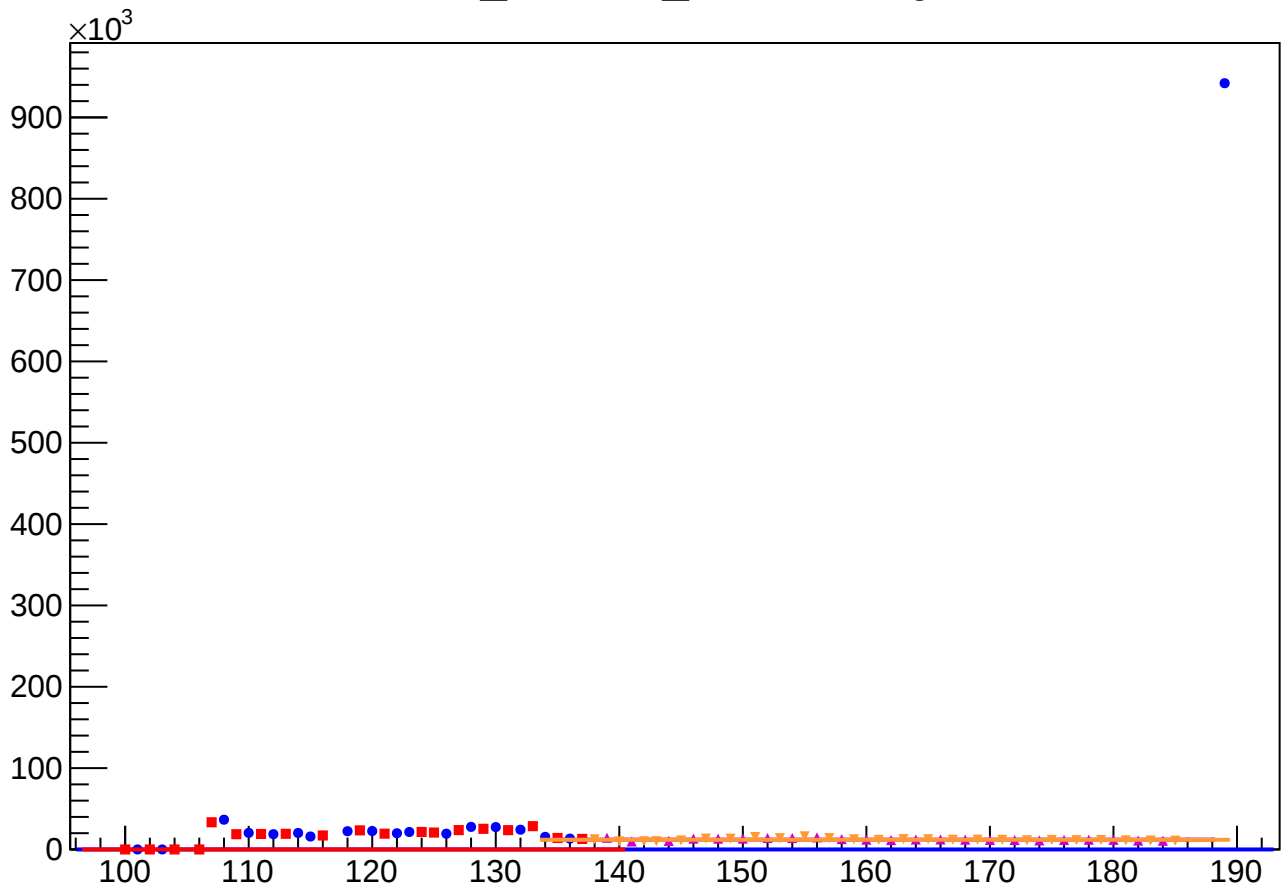
Left In: -0.489+/-2.905 χ^2/NDF : 28.7/22

+ sign 0.013+/-0.017 χ^2/NDF : 112.8/51

All: 0.008+/-0.012 χ^2/NDF : 167.9/105

- sign 0.003+/-0.016 χ^2/NDF : 55.0/53

diff_cav4bX_rms vs Slug



Right In: 18.640 $\pm$ 0.012 χ^2 /NDF: 10982766.4/17

Left Out: 11909.835 $\pm$ 1.977 χ^2 /NDF: 475310.2/24

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11056055.0/18

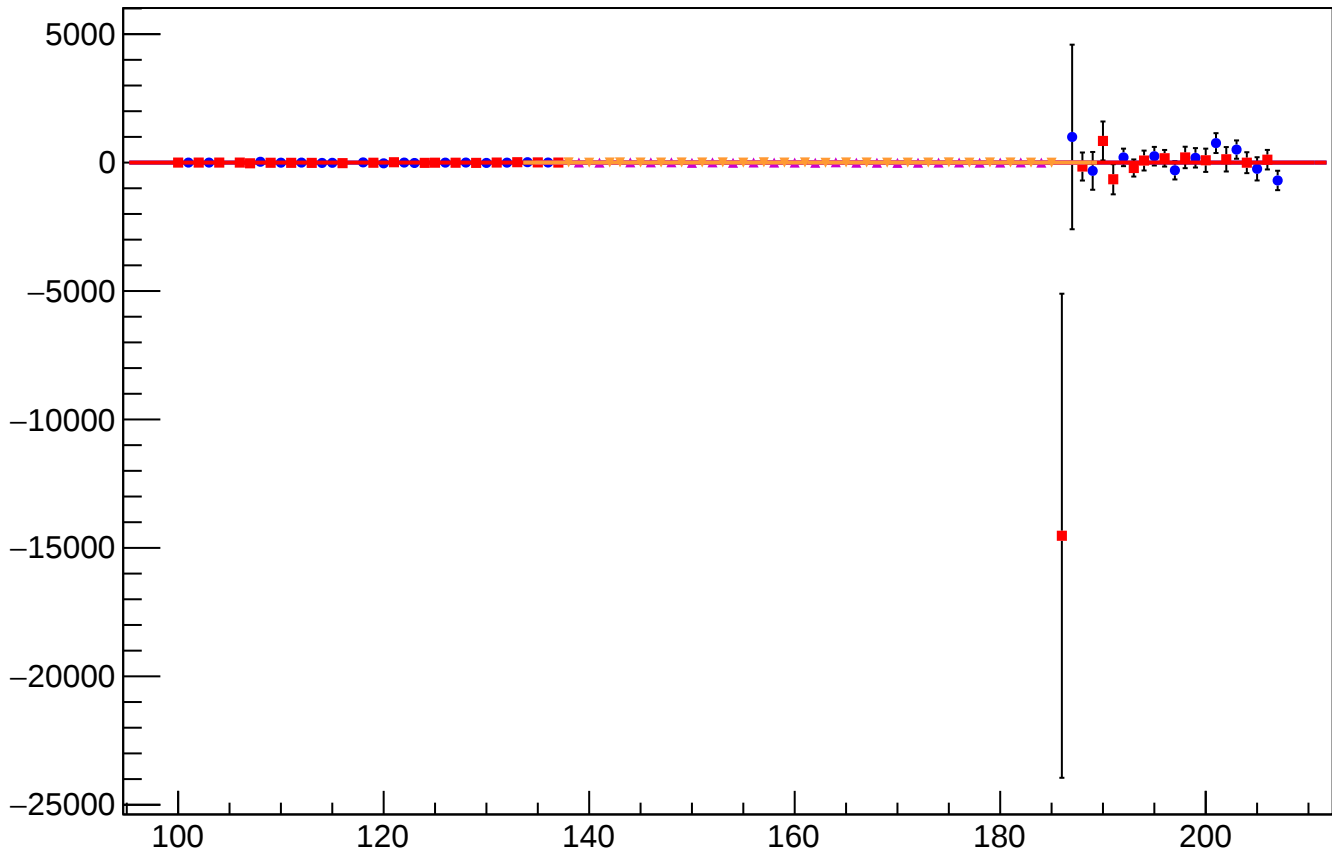
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.097 $\pm$ 0.012 χ^2 /NDF: 47623008.9/42

All: 18.873 $\pm$ 0.008 χ^2 /NDF: 93432232.0/84

- sign 18.680 $\pm$ 0.011 χ^2 /NDF: 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 26.2/26

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.7/30

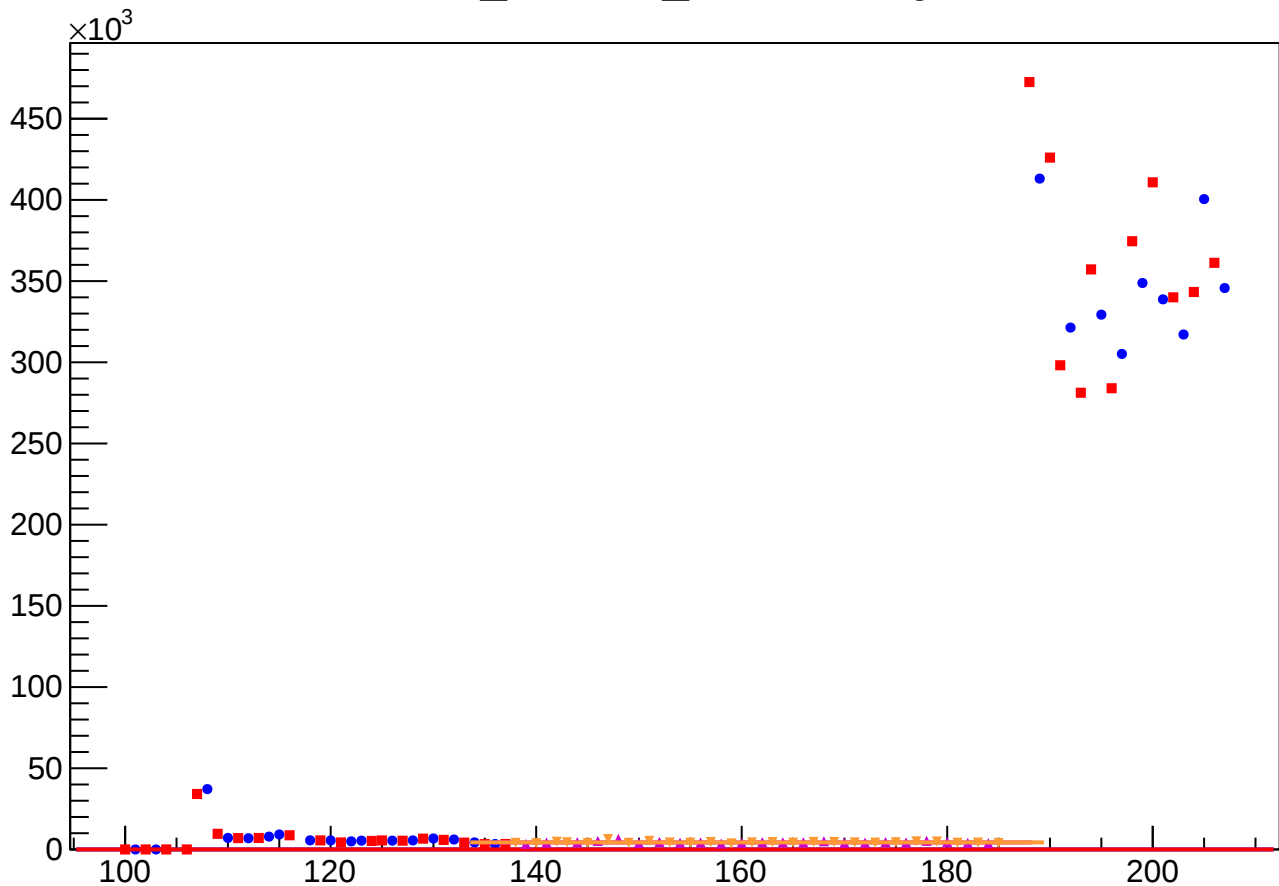
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 46.8/51

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 108.9/105

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 61.0/53

diff_cav4bY_rms vs Slug



Right In: 9.939 ± 0.007 χ^2/NDF : 24490196.5/25

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 25899222.3/29

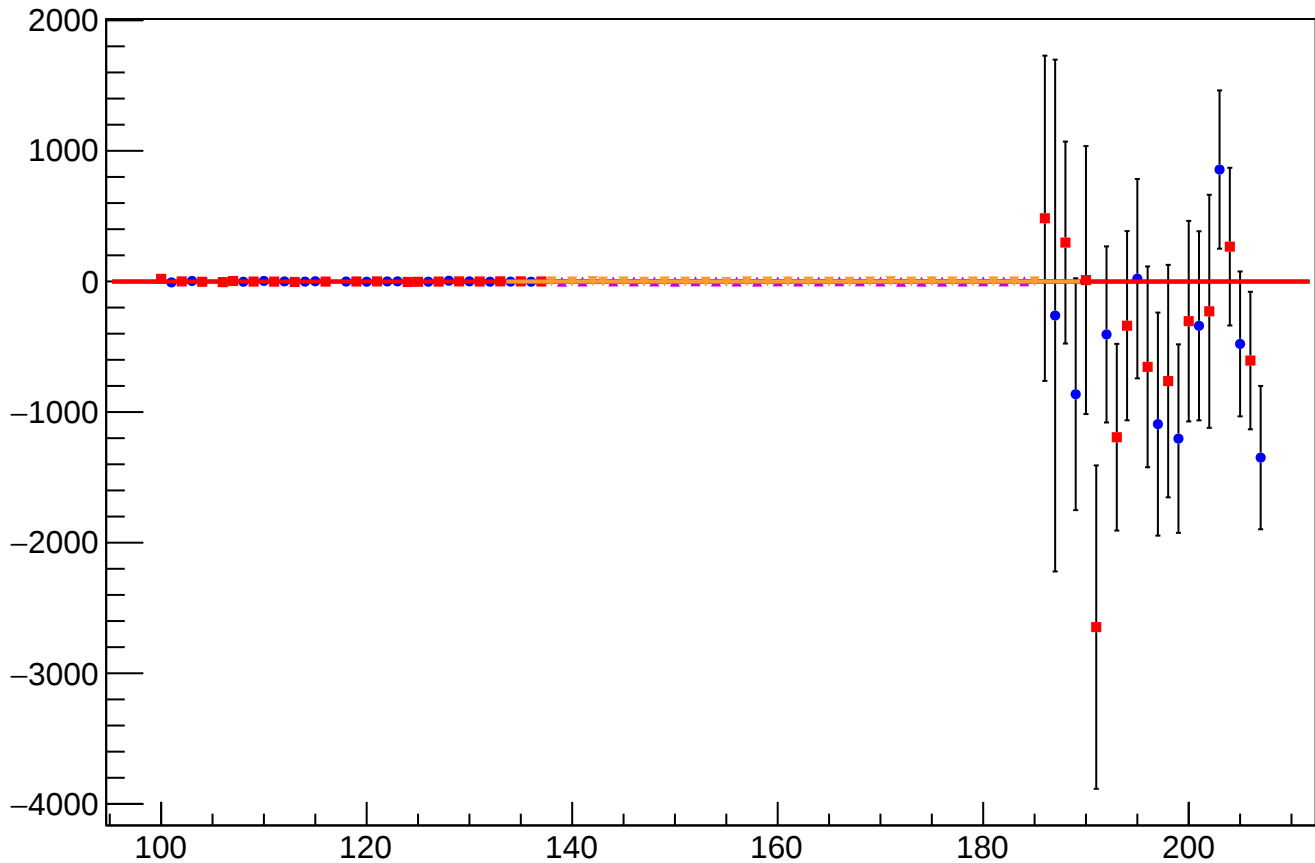
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.292 ± 0.007 χ^2/NDF : 61018165.6/50

All: 10.217 ± 0.004 χ^2/NDF : 121515275.9/100

- sign 10.152 ± 0.006 χ^2/NDF : 60496863.4/52

diff_cav4cX_mean vs Slug



Right In: -0.704 ± 0.485 χ^2/NDF : 37.2/26

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.762 ± 0.502 χ^2/NDF : 22.8/30

Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

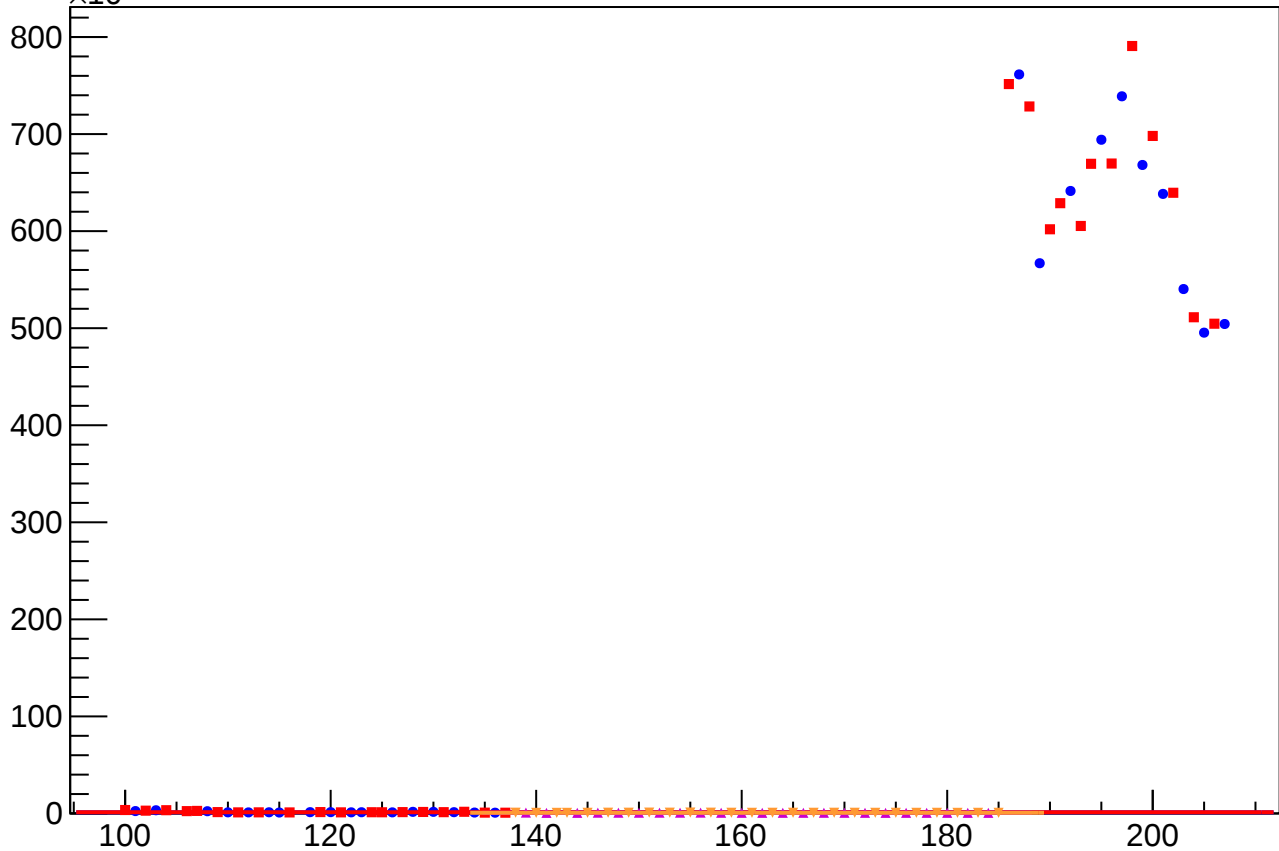
+ sign -0.767 ± 0.156 χ^2/NDF : 95.6/51

All: -0.444 ± 0.112 χ^2/NDF : 158.6/105

- sign -0.097 ± 0.161 χ^2/NDF : 54.0/53

diff_cav4cX_rms vs Slug

$\times 10^3$



Right In: 1166.979 $\pm$ 0.343 χ^2 /NDF: 15749855.8/26

Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF: 392521.4/24

Right Out: 1252.399 $\pm$ 0.355 χ^2 /NDF: 17394789.0/30

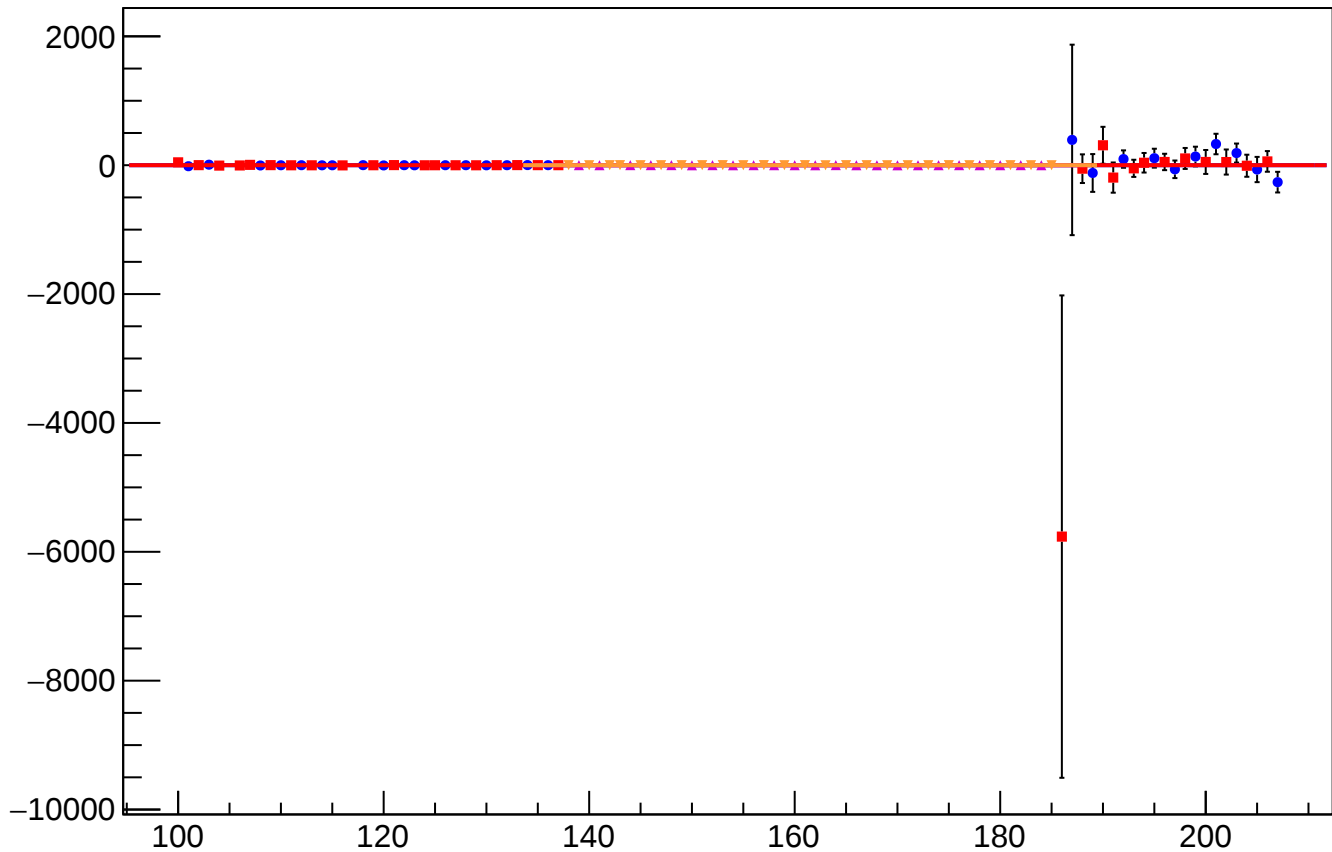
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF: 338177.1/22

+ sign 748.787 $\pm$ 0.110 χ^2 /NDF: 17799883.5/51

All: 755.705 $\pm$ 0.079 χ^2 /NDF: 37658293.4/10

- sign 763.121 $\pm$ 0.114 χ^2 /NDF: 19850220.8/53

diff_cav4cY_mean vs Slug



Right In: -0.058 ± 0.271 χ^2/NDF : 31.9/26

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.245 ± 0.265 χ^2/NDF : 26.0/30

Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

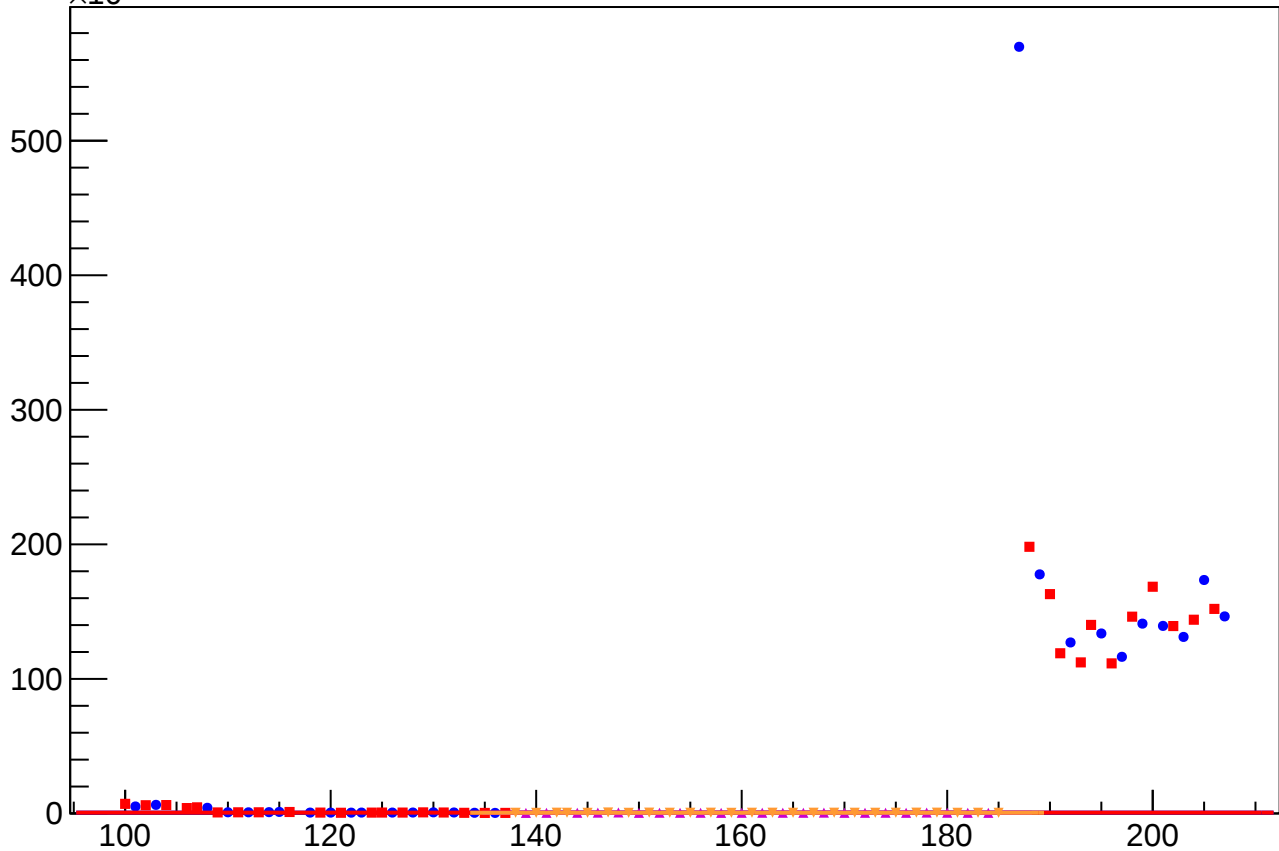
+ sign 0.186 ± 0.112 χ^2/NDF : 50.5/51

All: 0.163 ± 0.080 χ^2/NDF : 111.7/105

- sign 0.139 ± 0.113 χ^2/NDF : 61.2/53

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 612.201 $\pm$ 0.191 χ^2 /NDF: 16996942.5/26

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 603.374 $\pm$ 0.187 χ^2 /NDF: 18335977.4/29

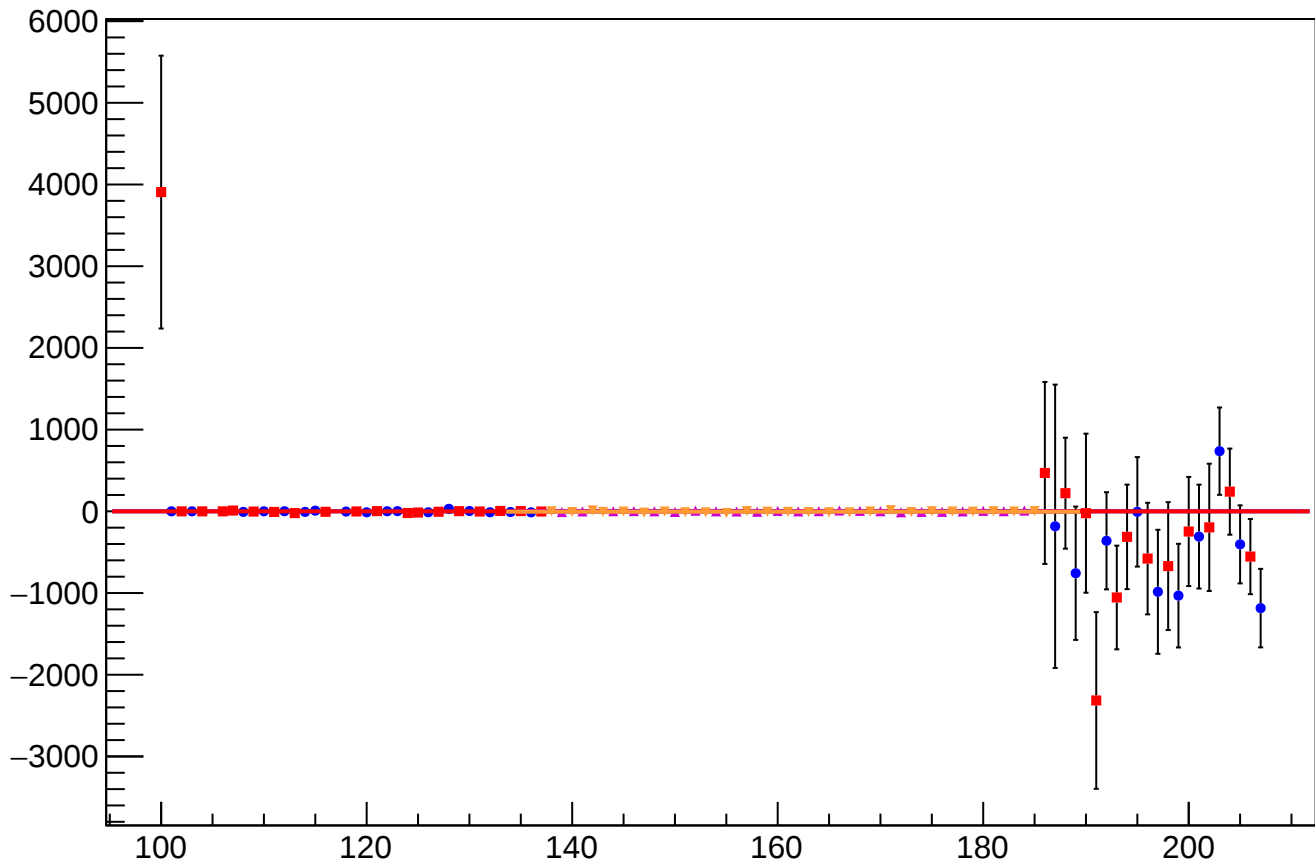
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 537.687 $\pm$ 0.079 χ^2 /NDF: 17511299.9/51

All: 536.470 $\pm$ 0.056 χ^2 /NDF: 36454720.0/10

- sign 535.213 $\pm$ 0.080 χ^2 /NDF: 18942936.6/52

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 30.1/26

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 28.0/30

Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

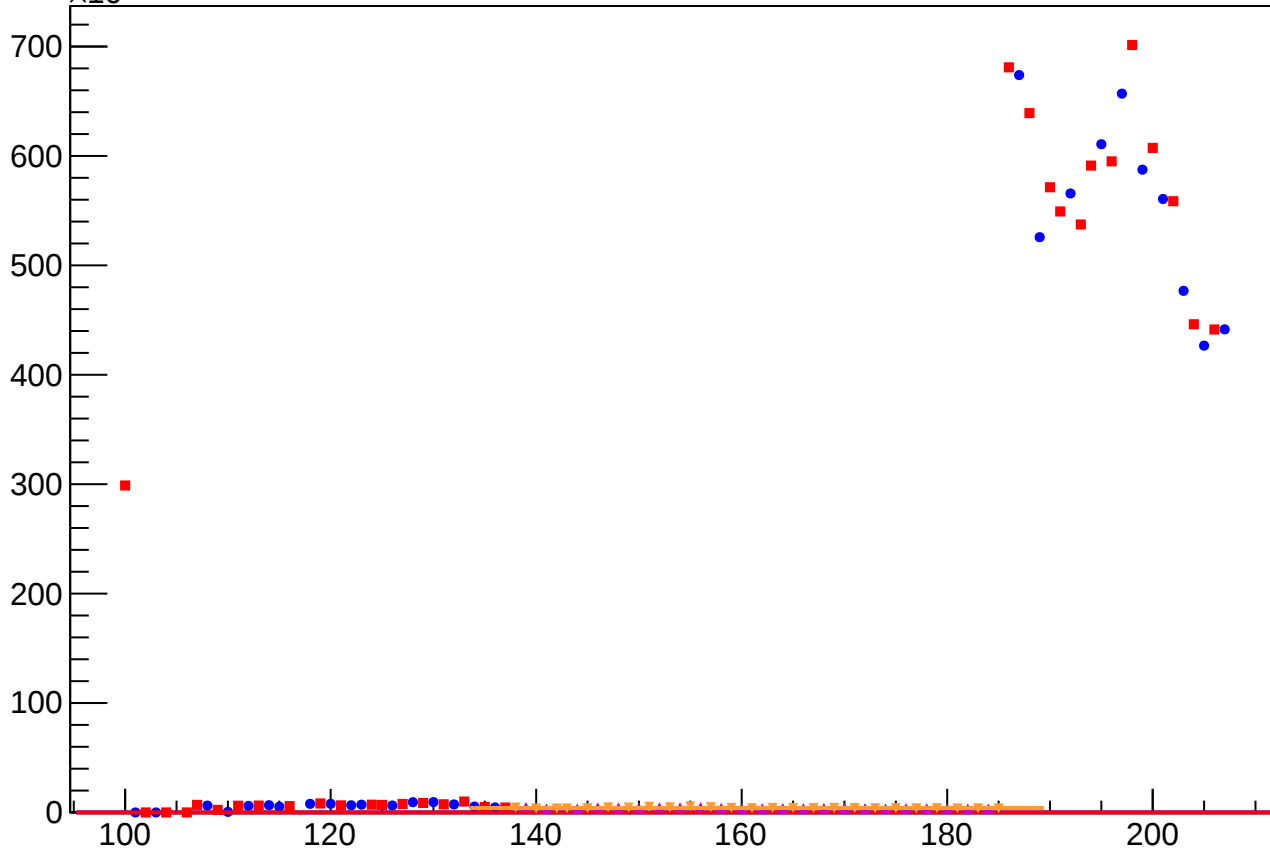
+ sign -0.024 ± 0.021 χ^2/NDF : 110.0/51

All: -0.025 ± 0.014 χ^2/NDF : 167.3/105

- sign -0.027 ± 0.020 χ^2/NDF : 57.3/53

diff_cav4dX_rms vs Slug

$\times 10^3$



Right In: 17.341 $\pm$ 0.015 χ^2 /NDF: 24563533.6/26

Left Out: 4074.257 $\pm$ 0.676 χ^2 /NDF: 416916.0/24

Right Out: 17.273 $\pm$ 0.014 χ^2 /NDF: 26683658.8/30

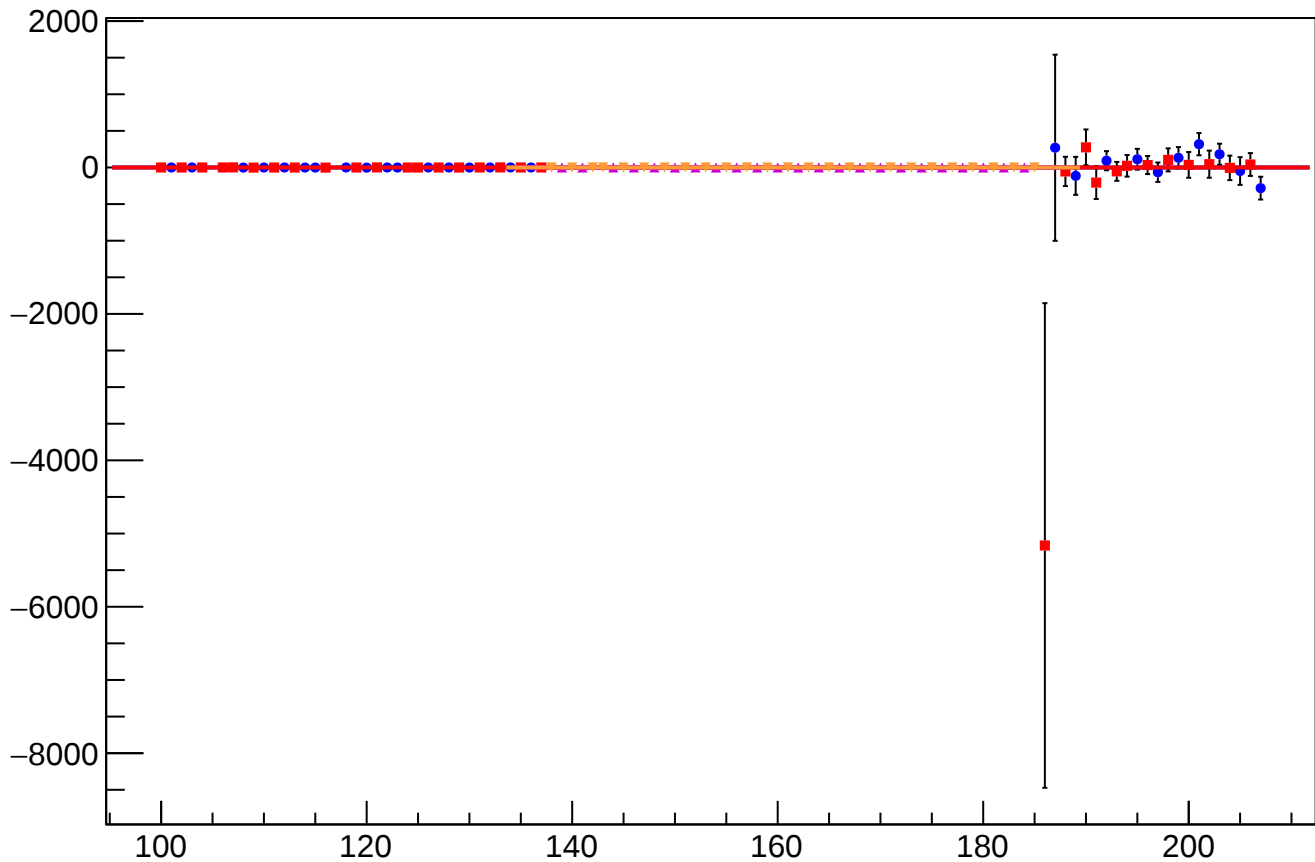
Left In: 4113.744 $\pm$ 0.700 χ^2 /NDF: 354965.8/22

+ sign 19.261 $\pm$ 0.015 χ^2 /NDF: 61013582.5/51

All: 19.075 $\pm$ 0.010 χ^2 /NDF: 122269287.0/10

- sign 18.906 $\pm$ 0.014 χ^2 /NDF: 61255397.4/53

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 27.1/26

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.6/30

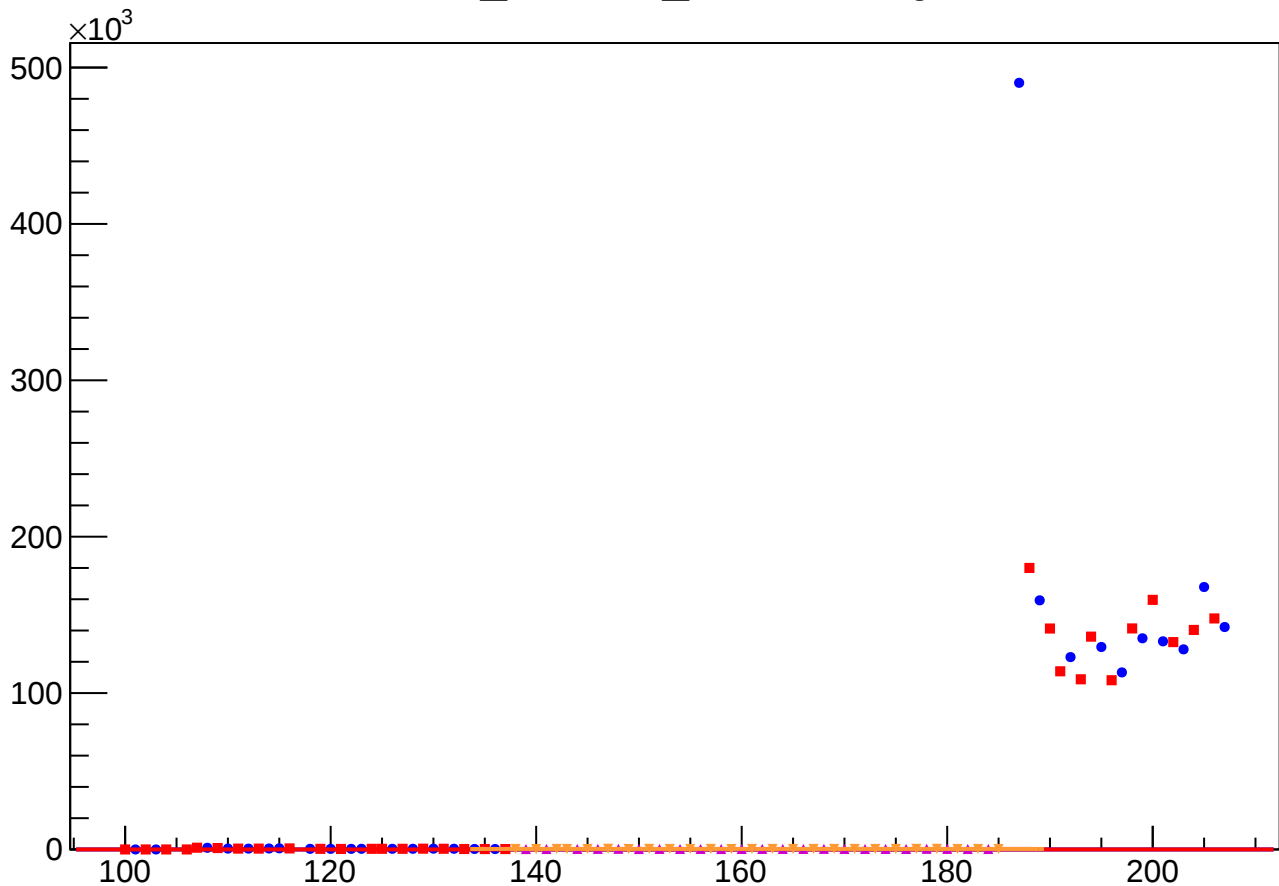
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 47.8/51

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 107.1/105

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.3/53

diff_cav4dY_rms vs Slug



Right In: 1.698 ± 0.001 χ^2/NDF : 24869296.6/26

Left Out: 325.469 ± 0.054 χ^2/NDF : 350046.8/24

Right Out: 1.728 ± 0.001 χ^2/NDF : 25662898.9/29

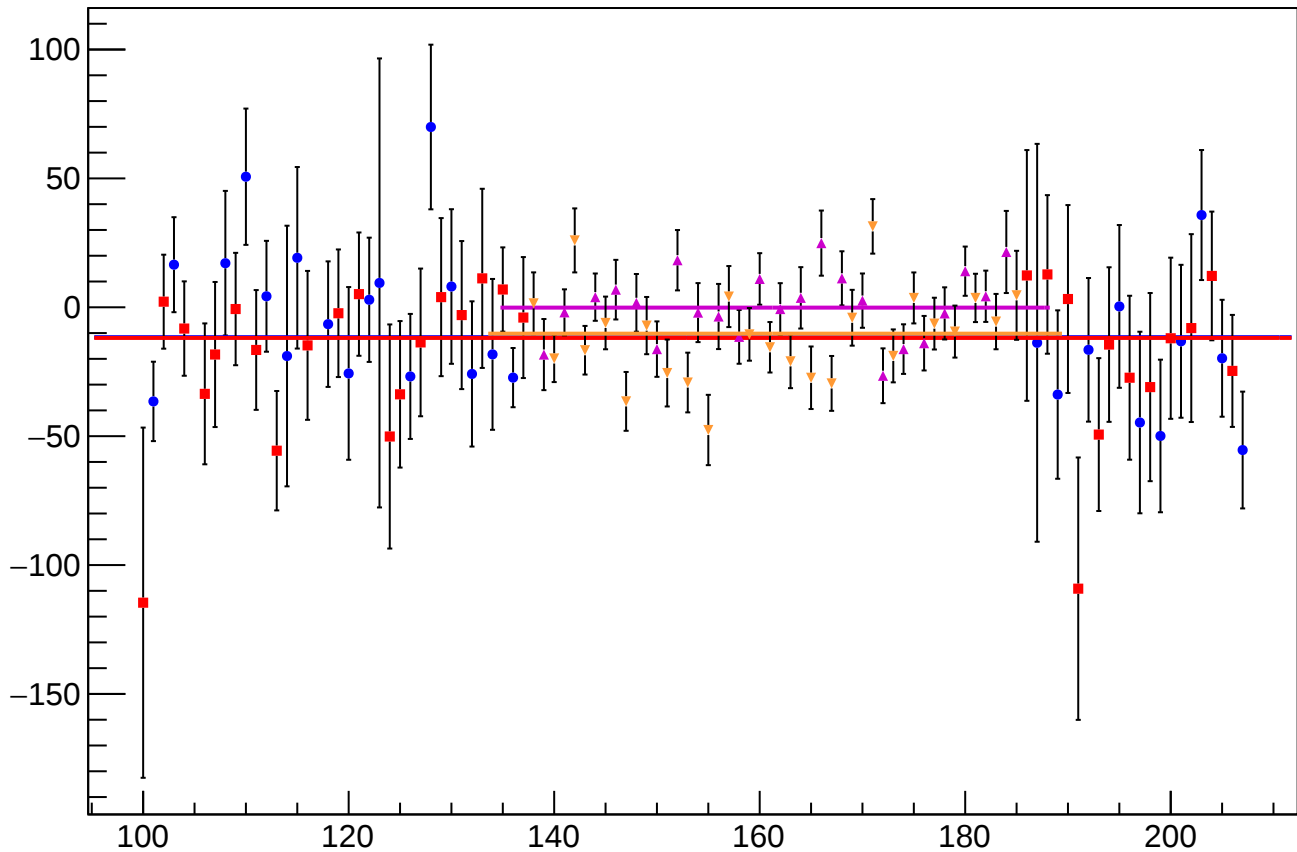
Left In: 325.201 ± 0.055 χ^2/NDF : 428069.7/22

+ sign 1.926 ± 0.001 χ^2/NDF : 61181627.1/51

All: 1.926 ± 0.001 χ^2/NDF : 121243562.7/104

- sign 1.926 ± 0.001 χ^2/NDF : 60061935.6/52

diff_bpm4aX_mean vs Slug



Right In: -11.593 ± 4.800 χ^2/NDF : 33.6/26

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -11.881 ± 4.824 χ^2/NDF : 19.9/30

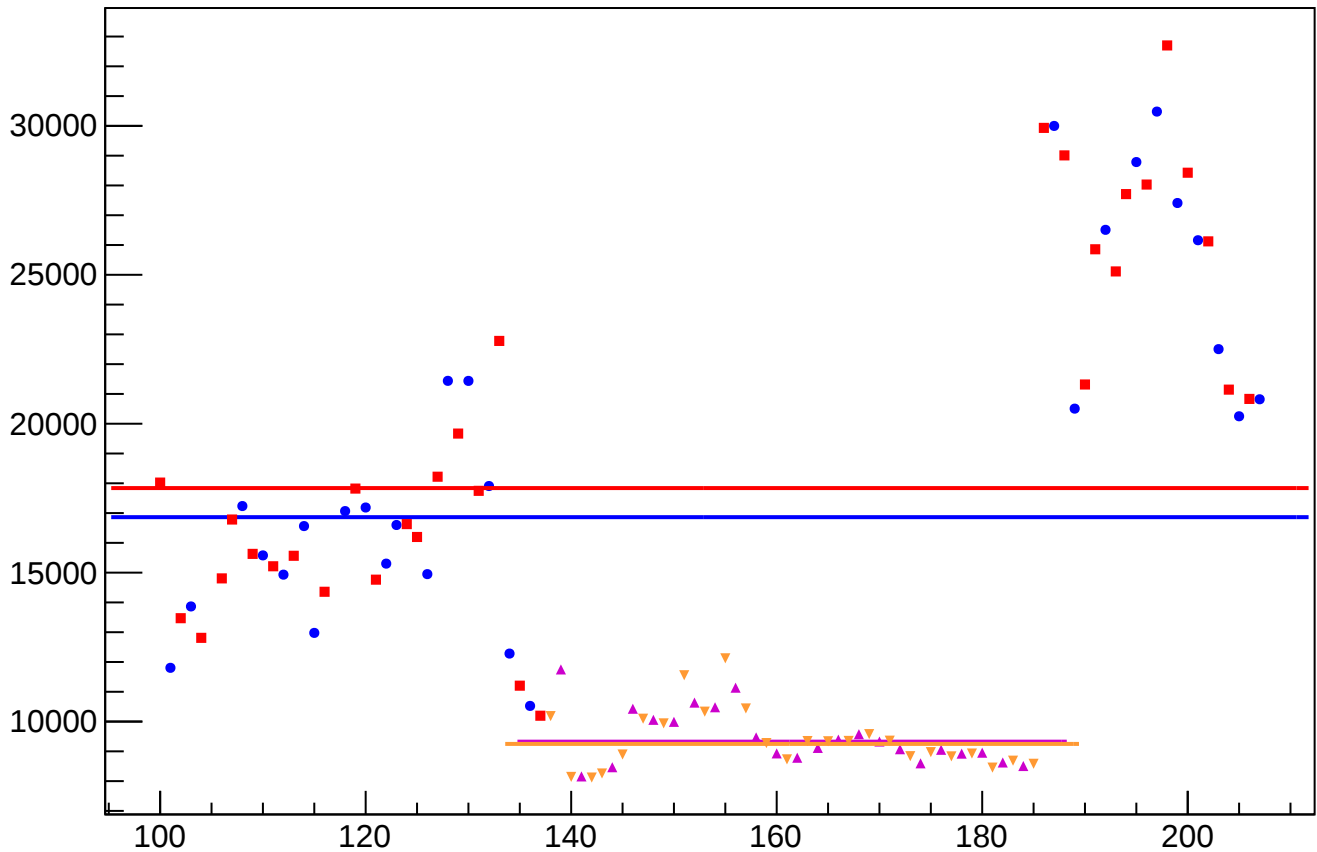
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.465 ± 1.975 χ^2/NDF : 91.7/51

All: -6.461 ± 1.417 χ^2/NDF : 154.7/105

- sign -2.217 ± 2.033 χ^2/NDF : 54.6/53

diff_bpm4aX_rms vs Slug



Right In: 16862.705 $\pm$ 3.394 χ^2 /NDF: 2646622.1/26

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

Right Out: 17839.216 $\pm$ 3.411 χ^2 /NDF: 2753747.7/30

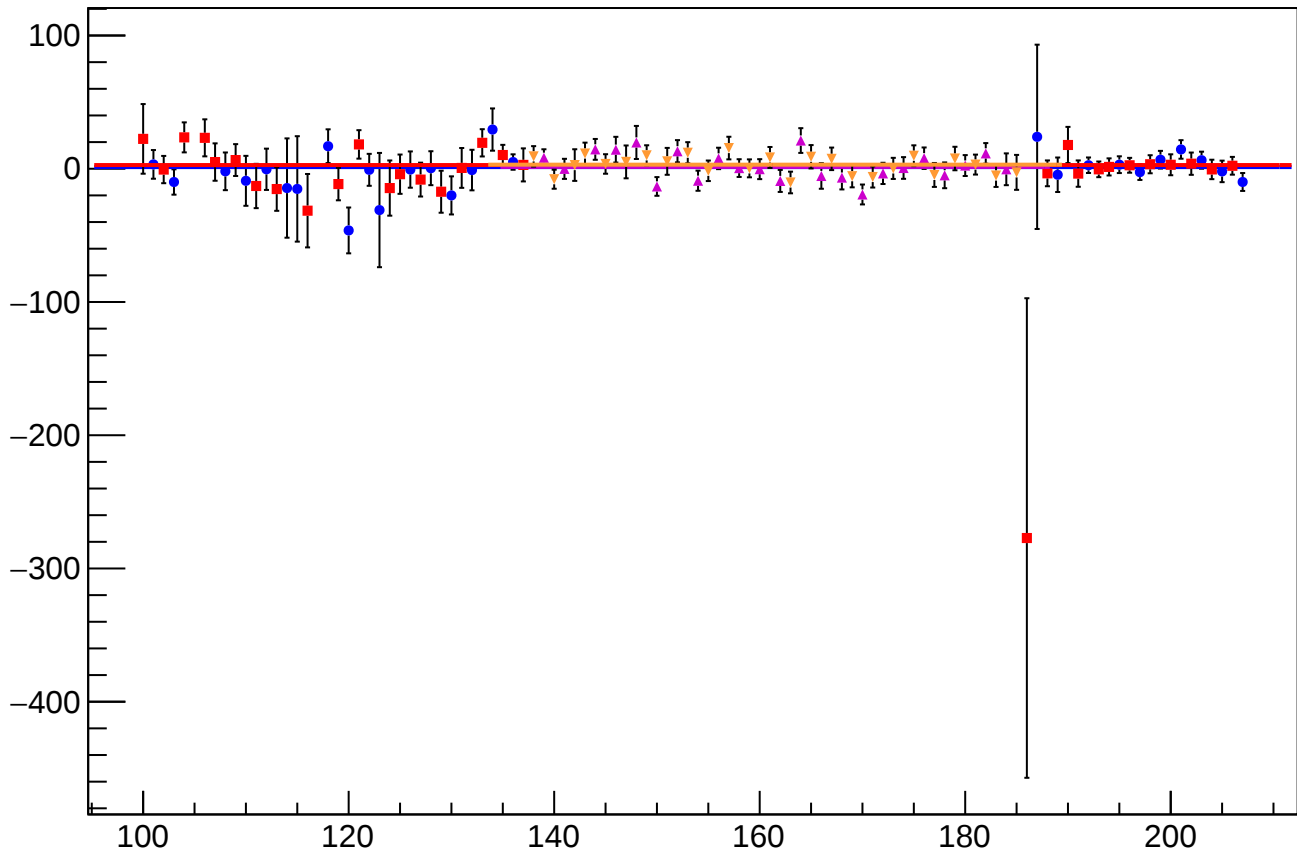
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 10537.857 $\pm$ 1.396 χ^2 /NDF: 7158034.2/51

All: 10683.360 $\pm$ 1.002 χ^2 /NDF: 15337944.1

- sign 10837.614 $\pm$ 1.438 χ^2 /NDF: 8157542.0/53

diff_bpm4aY_mean vs Slug



Right In: 1.241 ± 1.826 χ^2/NDF : 26.5/26

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 2.778 ± 1.767 χ^2/NDF : 25.5/30

Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

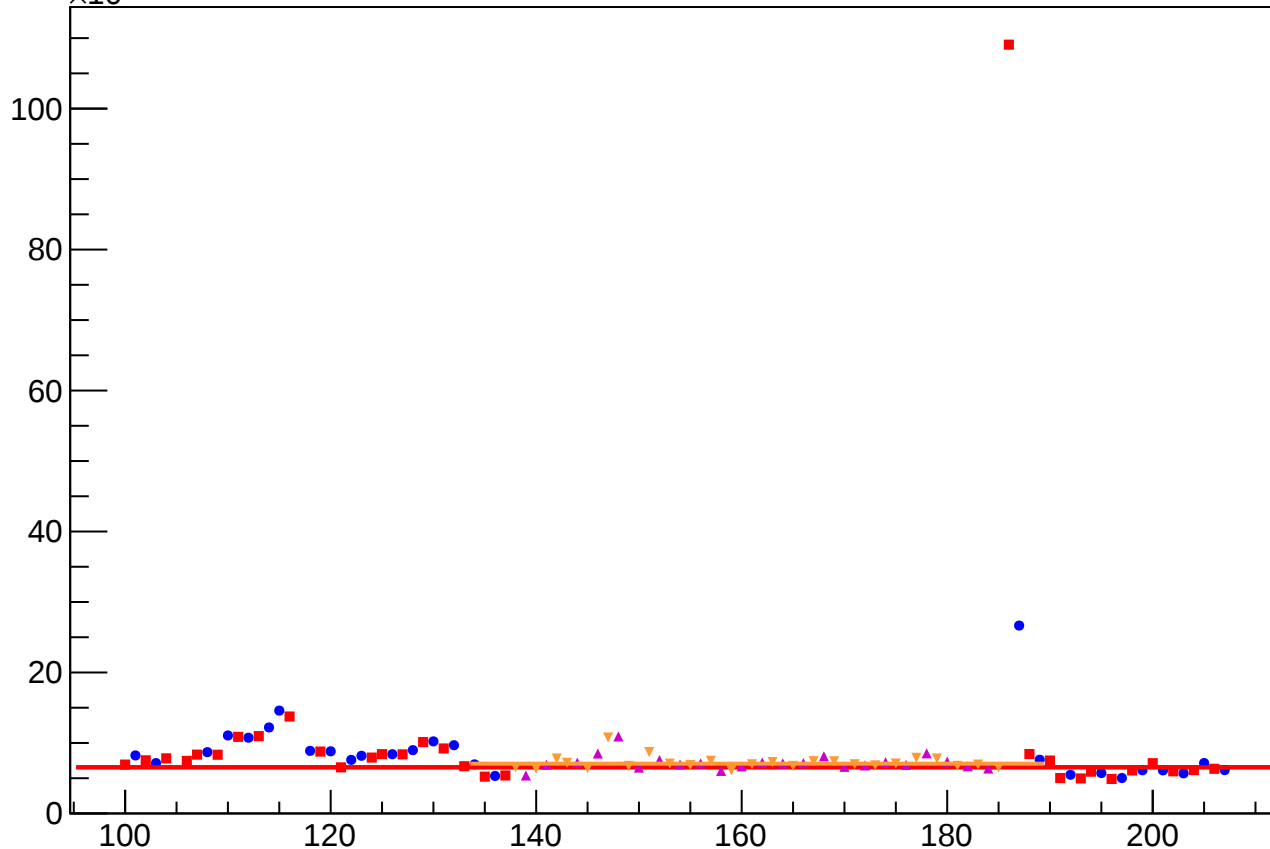
+ sign 2.238 ± 1.228 χ^2/NDF : 45.3/51

All: 2.147 ± 0.866 χ^2/NDF : 106.5/105

- sign 2.057 ± 1.222 χ^2/NDF : 61.2/53

diff_bpm4aY_rms vs Slug

$\times 10^3$



Right In: 6545.617 $\pm$ 1.291 χ^2 /NDF: 1519955.7/26

Left Out: 7066.826 $\pm$ 1.173 χ^2 /NDF: 387449.8/24

Right Out: 6554.334 $\pm$ 1.249 χ^2 /NDF: 2101636.0/30

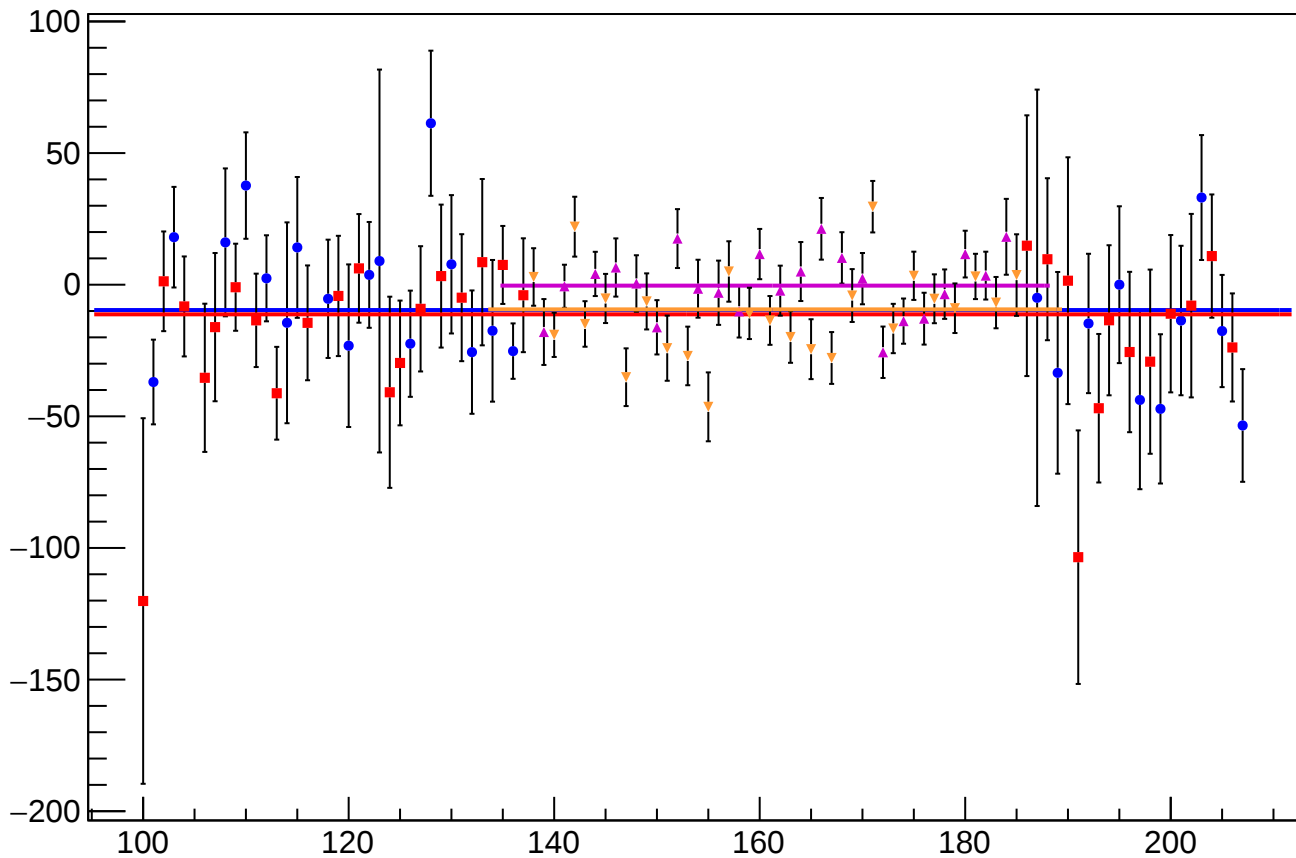
Left In: 7000.532 $\pm$ 1.197 χ^2 /NDF: 550029.3/22

+ sign 6831.150 $\pm$ 0.868 χ^2 /NDF: 1996684.6/51

All: 6808.931 $\pm$ 0.613 χ^2 /NDF: 4716151.1/10

- sign 6786.906 $\pm$ 0.864 χ^2 /NDF: 2718162.3/53

diff_bpm4eX_mean vs Slug



Right In: -9.627 ± 4.377 χ^2/NDF : 34.5/26

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -11.258 ± 4.357 χ^2/NDF : 19.4/30

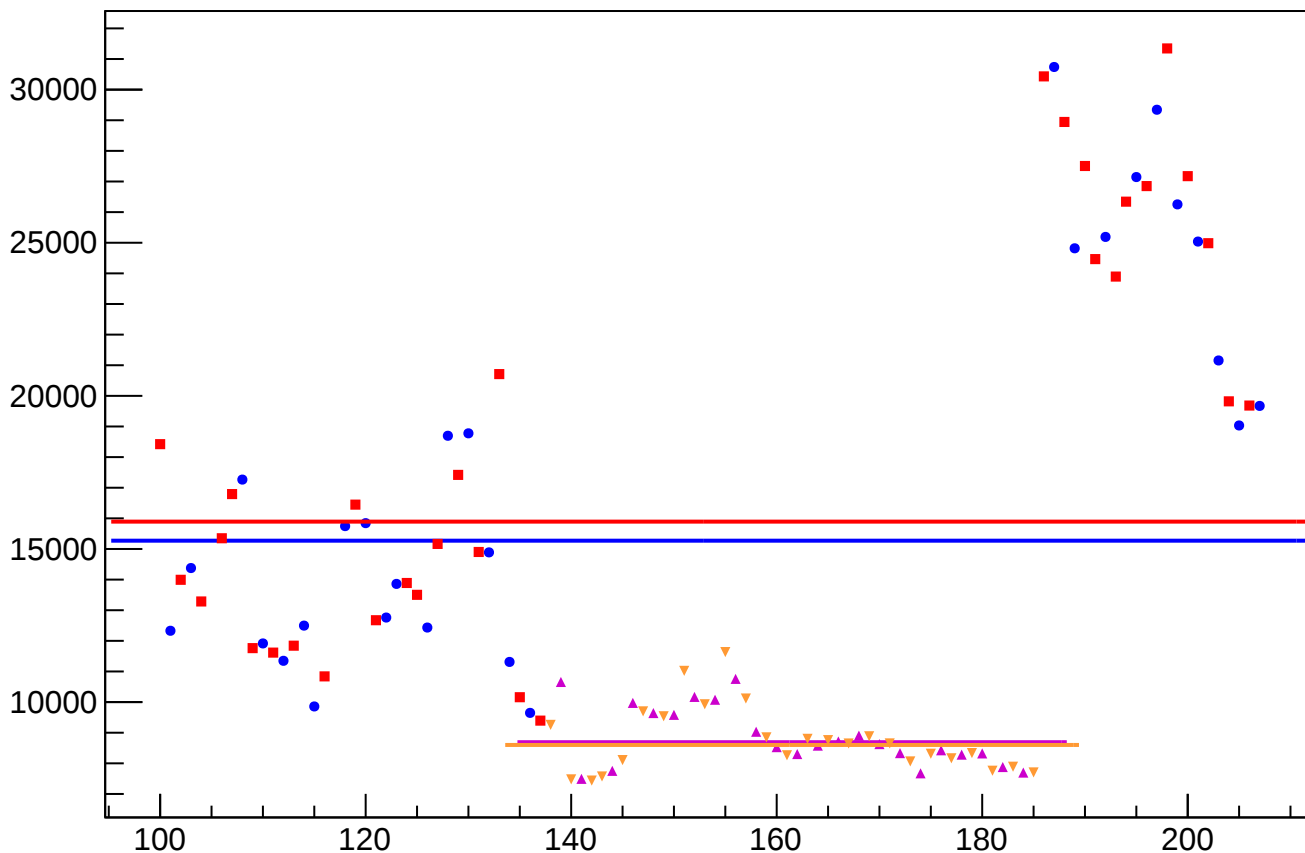
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.420 ± 1.832 χ^2/NDF : 92.9/51

All: -6.010 ± 1.314 χ^2/NDF : 154.2/105

- sign -2.396 ± 1.886 χ^2/NDF : 54.1/53

diff_bpm4eX_rms vs Slug



Right In: 15270.910 $\pm$ 3.095 χ^2 /NDF: 3048948.6/26

Left Out: 8600.457 $\pm$ 1.427 χ^2 /NDF:438229.4/24

Right Out: 15893.414 $\pm$ 3.081 χ^2 /NDF: 3474648.8/30

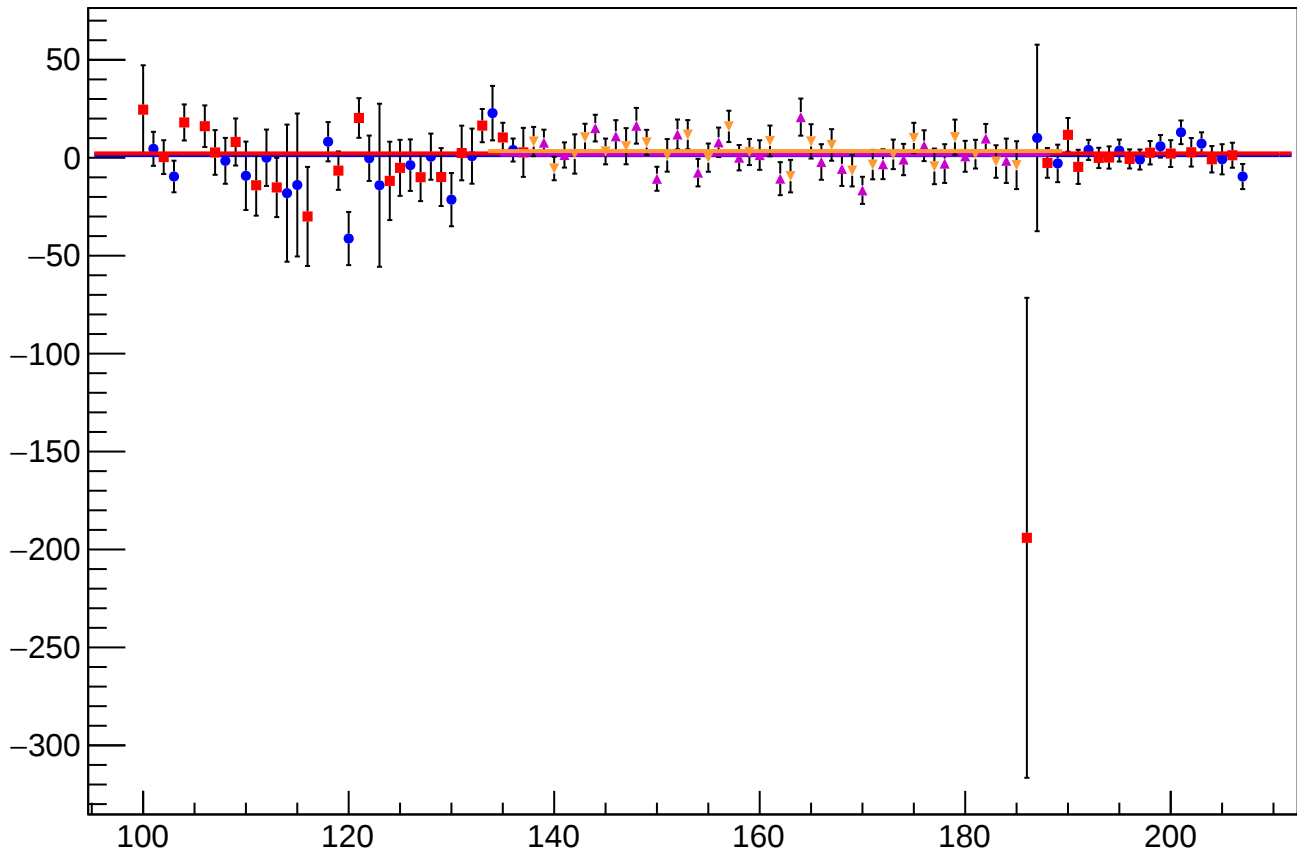
Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF:370834.1/22

+ sign 9769.560 $\pm$ 1.296 χ^2 /NDF: 7318093.9/51

All: 9900.740 $\pm$ 0.929 χ^2 /NDF: 15626045.8/100

- sign 10039.715 $\pm$ 1.334 χ^2 /NDF: 8286843.3/53

diff_bpm4eY_mean vs Slug



Right In: 1.343 ± 1.634 χ^2/NDF : 28.1/26

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 2.224 ± 1.559 χ^2/NDF : 26.0/30

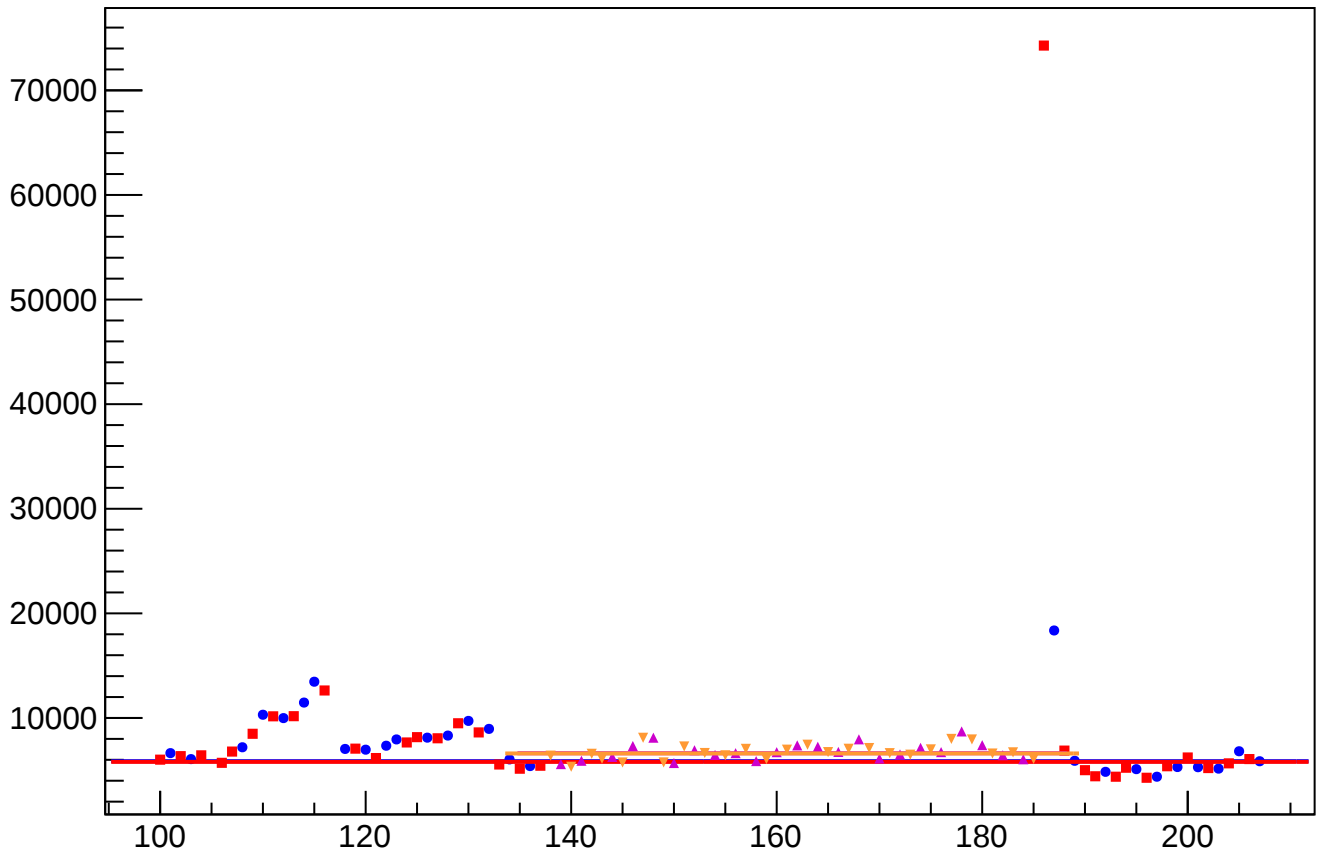
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.428 ± 1.125 χ^2/NDF : 45.8/51

All: 2.179 ± 0.792 χ^2/NDF : 105.4/105

- sign 1.933 ± 1.116 χ^2/NDF : 59.6/53

diff_bpm4eY_rms vs Slug



Right In: 5870.000+/-1.156 χ^2/NDF : 1486053.6/26

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 5803.686+/-1.102 χ^2/NDF : 2132974.5/30

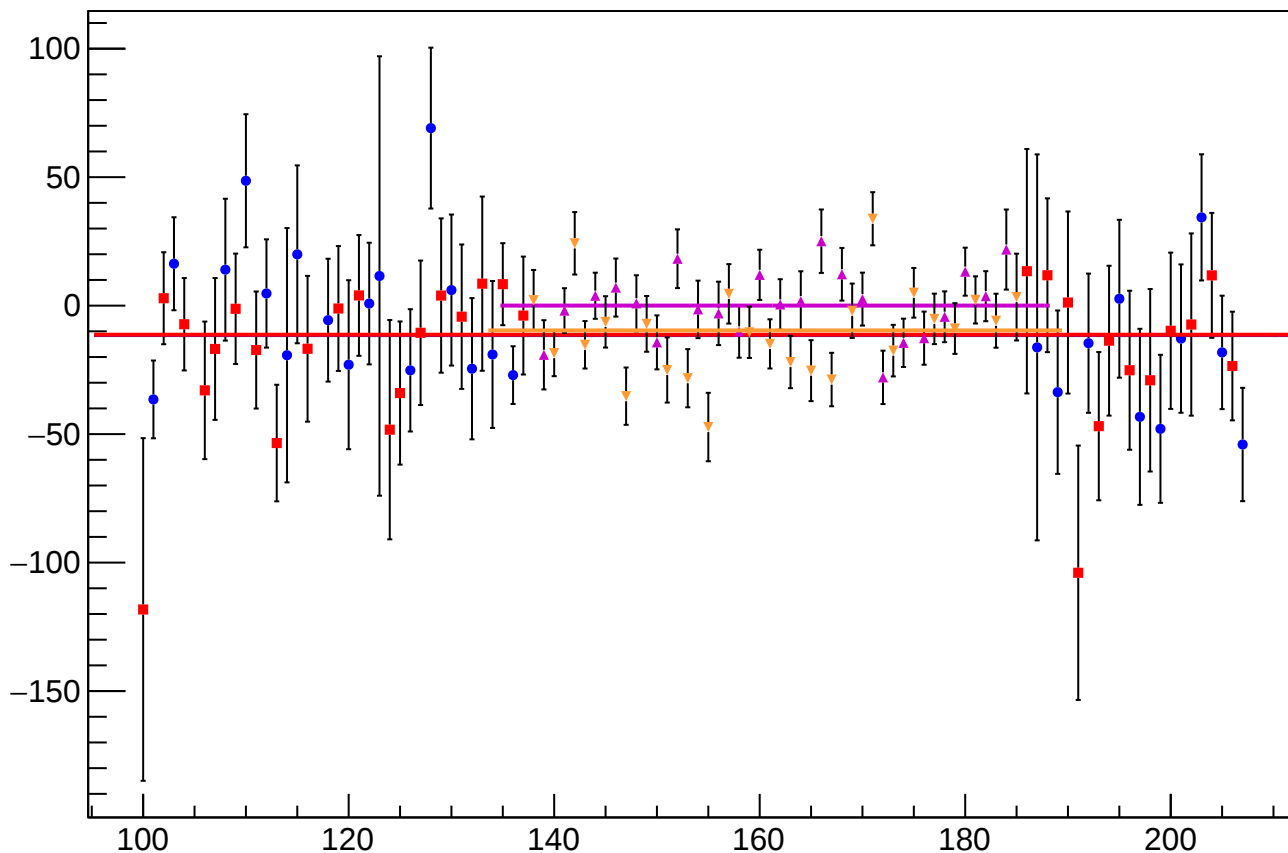
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6257.917+/-0.795 χ^2/NDF : 2098609.6/51

All: 6231.582+/-0.560 χ^2/NDF : 4936978.2/10

- sign 6205.645+/-0.789 χ^2/NDF : 2836192.4/53

diff_bpm4acX_mean vs Slug



Right In: -11.454 ± 4.696 χ^2/NDF : 33.3/26

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -11.331 ± 4.720 χ^2/NDF : 19.8/30

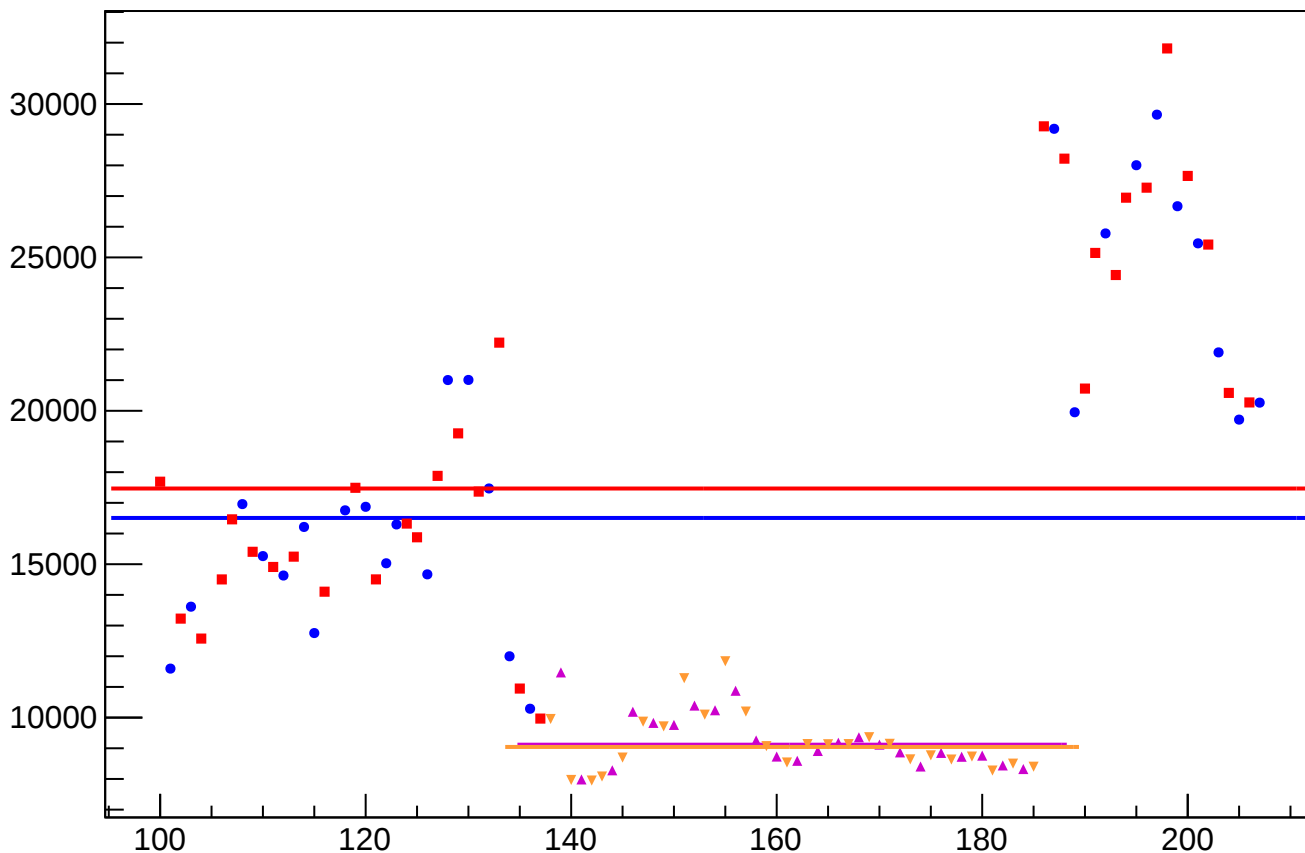
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -9.954 ± 1.931 χ^2/NDF : 93.2/51

All: -6.090 ± 1.385 χ^2/NDF : 156.6/105

- sign -1.995 ± 1.988 χ^2/NDF : 55.1/53

diff_bpm4acX_rms vs Slug



Right In: 16507.565 $\pm$ 3.320 χ^2 /NDF: 2608013.7/26

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF:328192.2/24

Right Out: 17467.163 $\pm$ 3.337 χ^2 /NDF: 2707269.6/30

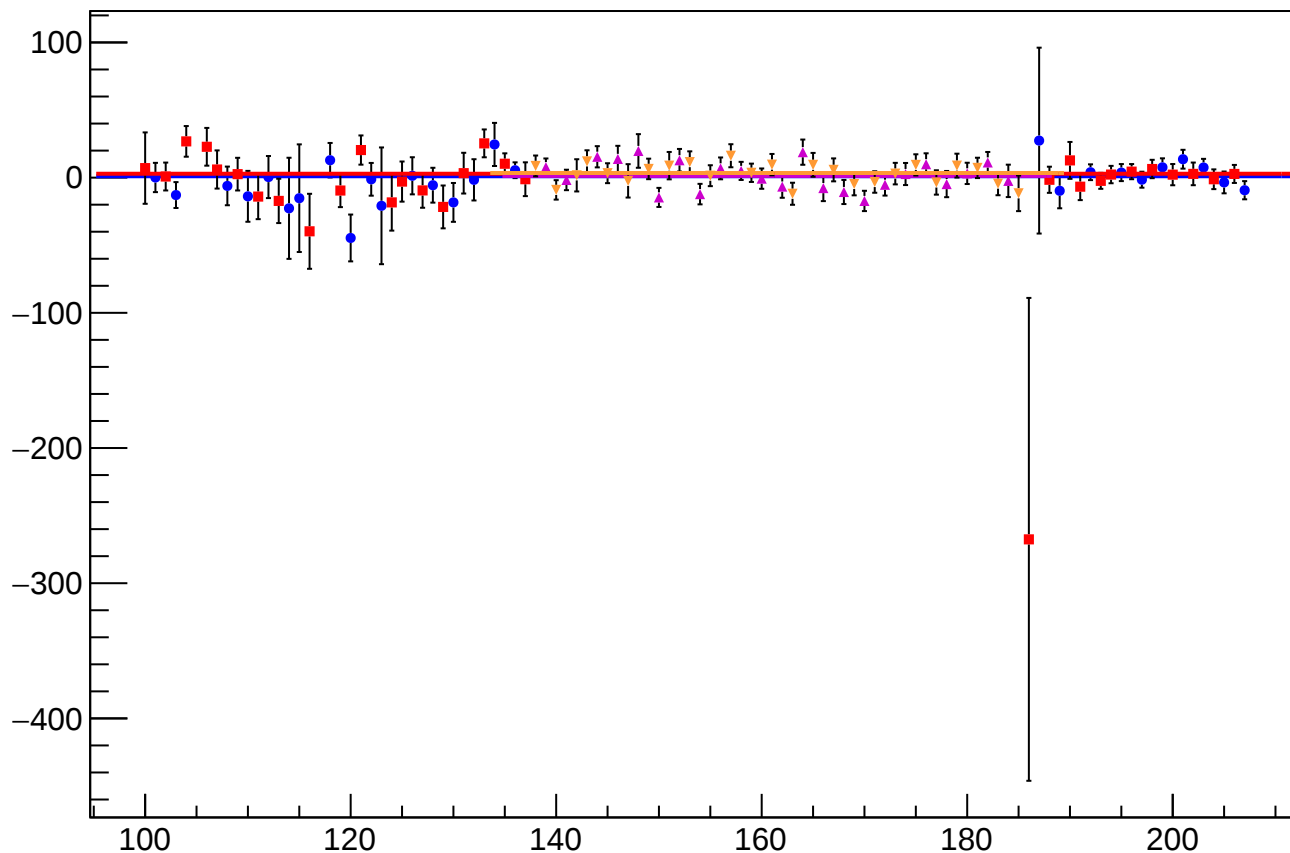
Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

+ sign 10305.612 $\pm$ 1.365 χ^2 /NDF: 7135373.6/51

All: 10447.811 $\pm$ 0.979 χ^2 /NDF: 15292401.3

- sign 10598.558 $\pm$ 1.406 χ^2 /NDF: 8134680.8/53

diff_bpm4acY_mean vs Slug



Right In: 1.029 ± 1.832 χ^2/NDF : 26.0/26

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 2.880 ± 1.774 χ^2/NDF : 30.9/30

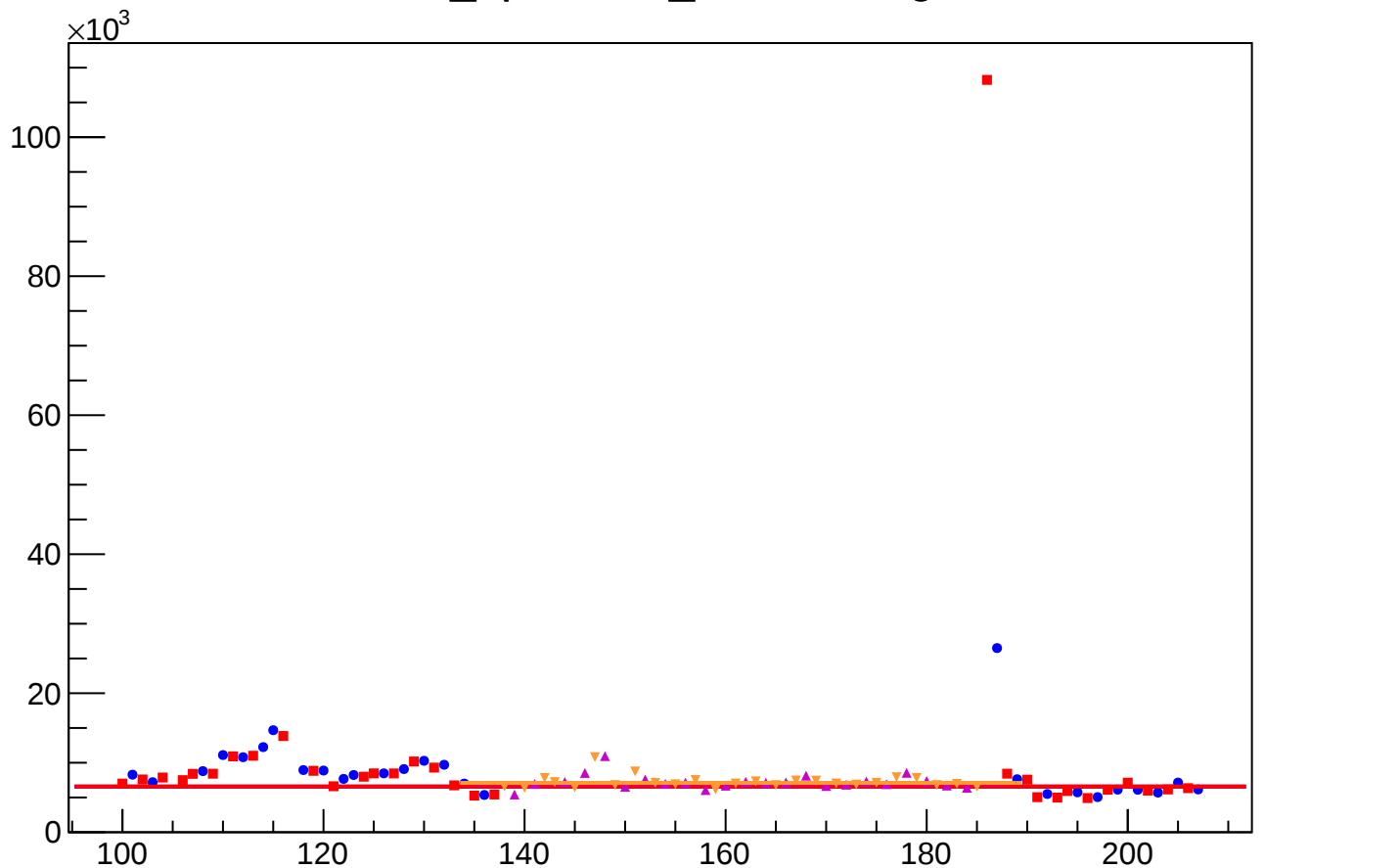
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.349 ± 1.233 χ^2/NDF : 45.8/51

All: 2.200 ± 0.870 χ^2/NDF : 113.7/105

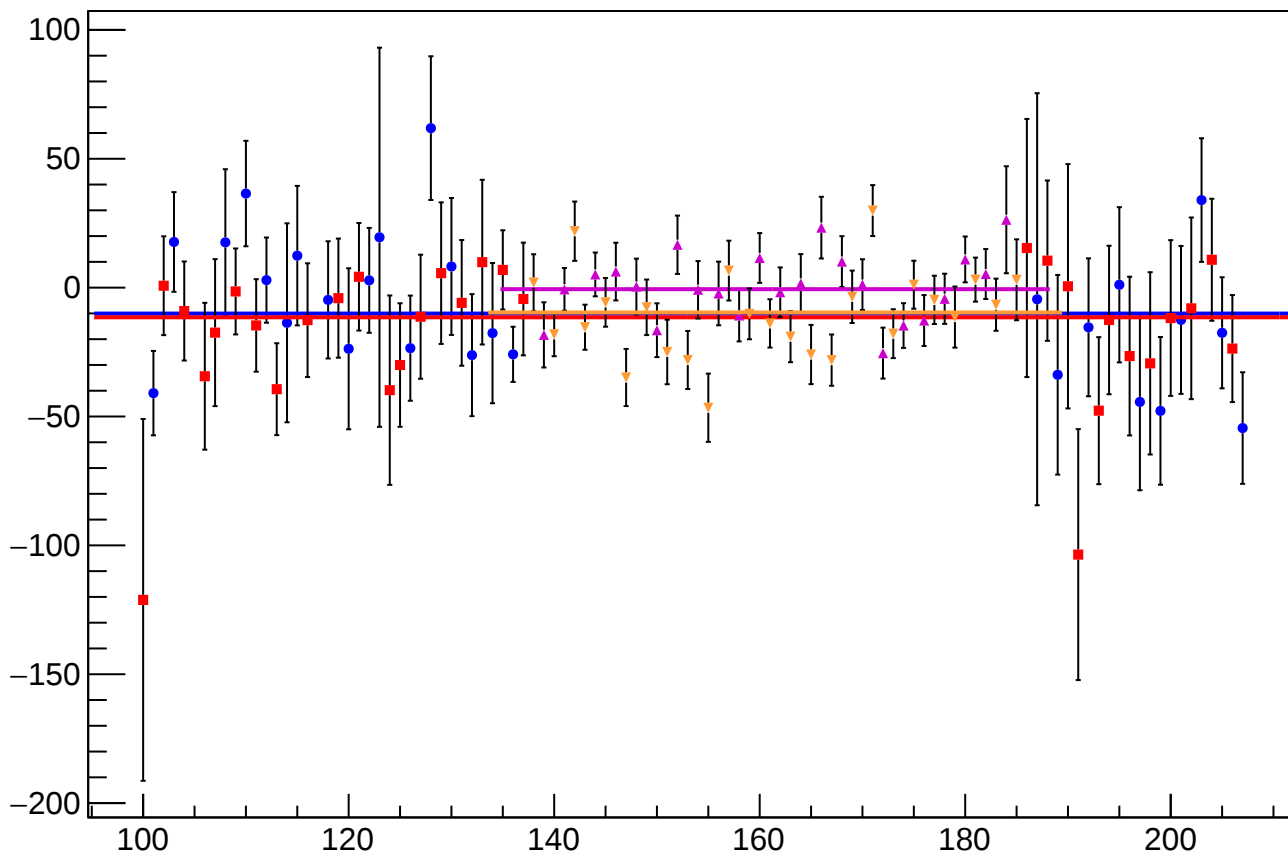
- sign 2.052 ± 1.228 χ^2/NDF : 67.8/53

diff_bpm4acY_rms vs Slug



Right In: 6568.479 ± 1.296 $\chi^2/\text{NDF}: 1529104.4/26$ + sign 6858.742 ± 0.872 $\chi^2/\text{NDF}: 2003339.3/51$
 Left Out: 7098.726 ± 1.178 $\chi^2/\text{NDF}: 382550.4/24$ All: 6837.795 ± 0.615 $\chi^2/\text{NDF}: 4720394.4/10$
 Right Out: 6581.364 ± 1.254 $\chi^2/\text{NDF}: 2107109.8/30$ - sign 6817.018 ± 0.868 $\chi^2/\text{NDF}: 2715904.7/53$
 Left In: 7033.702 ± 1.203 $\chi^2/\text{NDF}: 541035.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -10.060 ± 4.433 χ^2/NDF : 35.2/26

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -11.517 ± 4.416 χ^2/NDF : 18.5/30

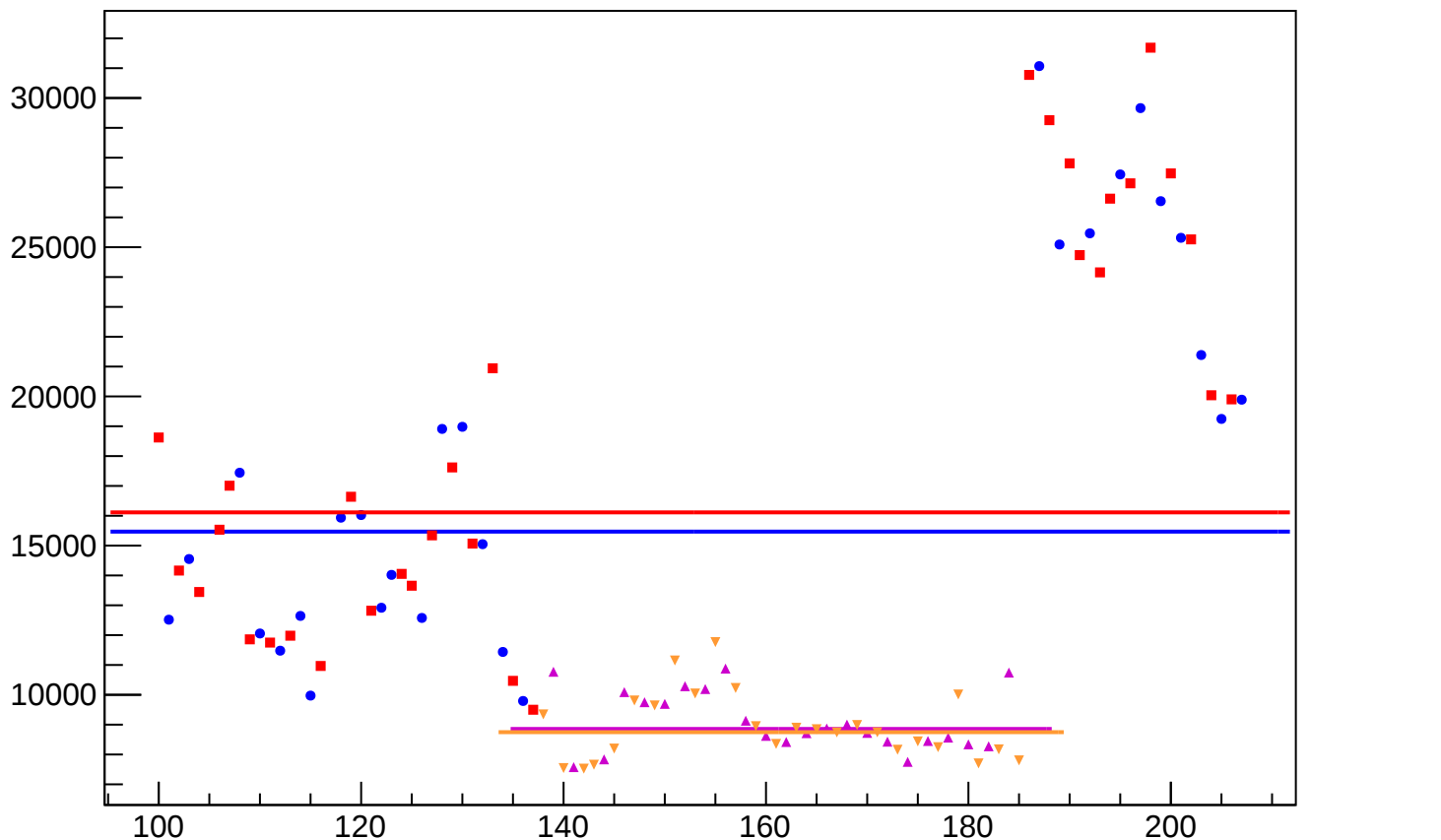
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.715 ± 1.866 χ^2/NDF : 92.8/51

All: -6.295 ± 1.339 χ^2/NDF : 152.8/105

- sign -2.668 ± 1.922 χ^2/NDF : 53.1/53

diff_bpm4ecX_rms vs Slug



Right In: 15469.116+/-3.135 χ^2/NDF : 3028695.2/26

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 16113.605+/-3.123 χ^2/NDF : 3439563.5/30

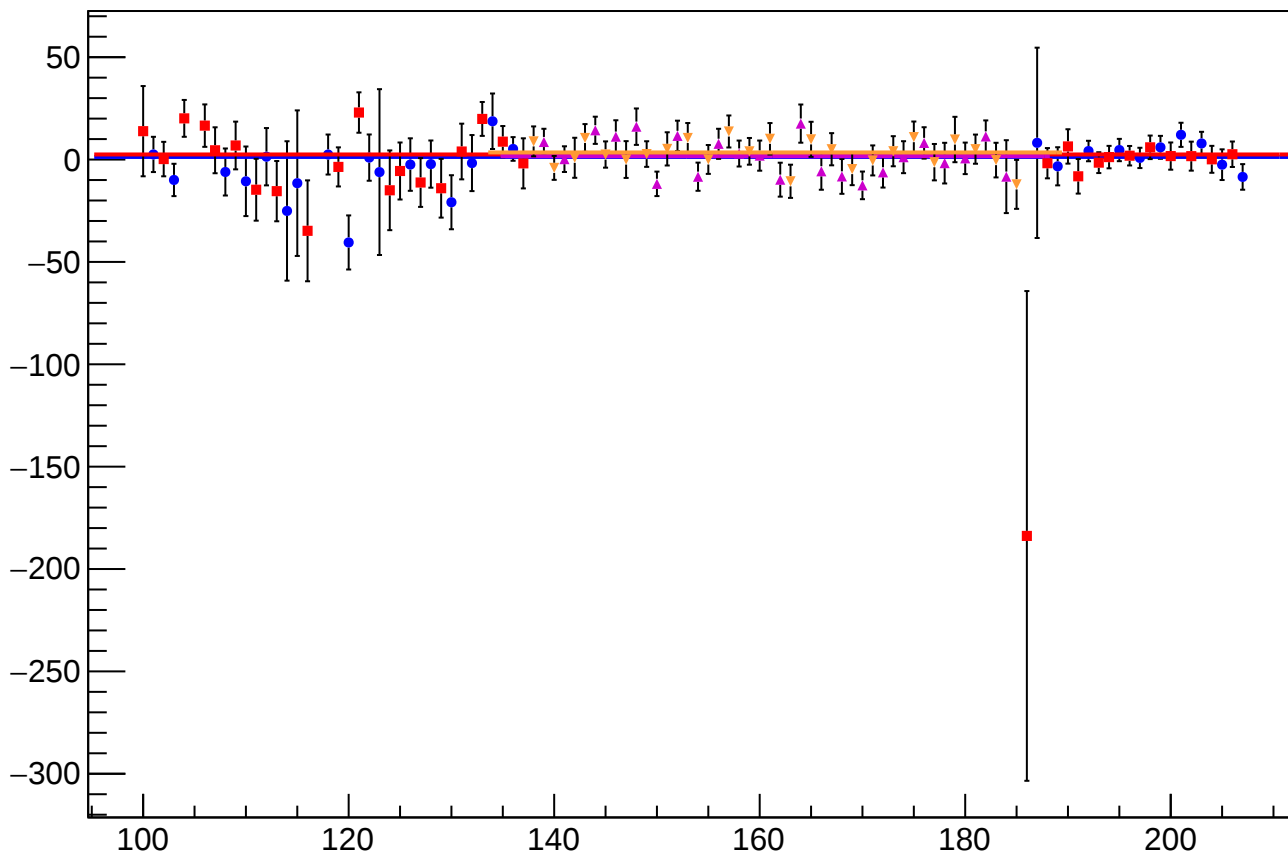
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 9939.285+/-1.320 χ^2/NDF : 7274189.2/51

All: 10080.685+/-0.947 χ^2/NDF : 15483994.7

- sign 10230.707+/-1.359 χ^2/NDF : 8186139.5/53

diff_bpm4ecY_mean vs Slug



Right In: 1.281 ± 1.594 χ^2/NDF : 28.0/26

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 2.483 ± 1.520 χ^2/NDF : 30.8/30

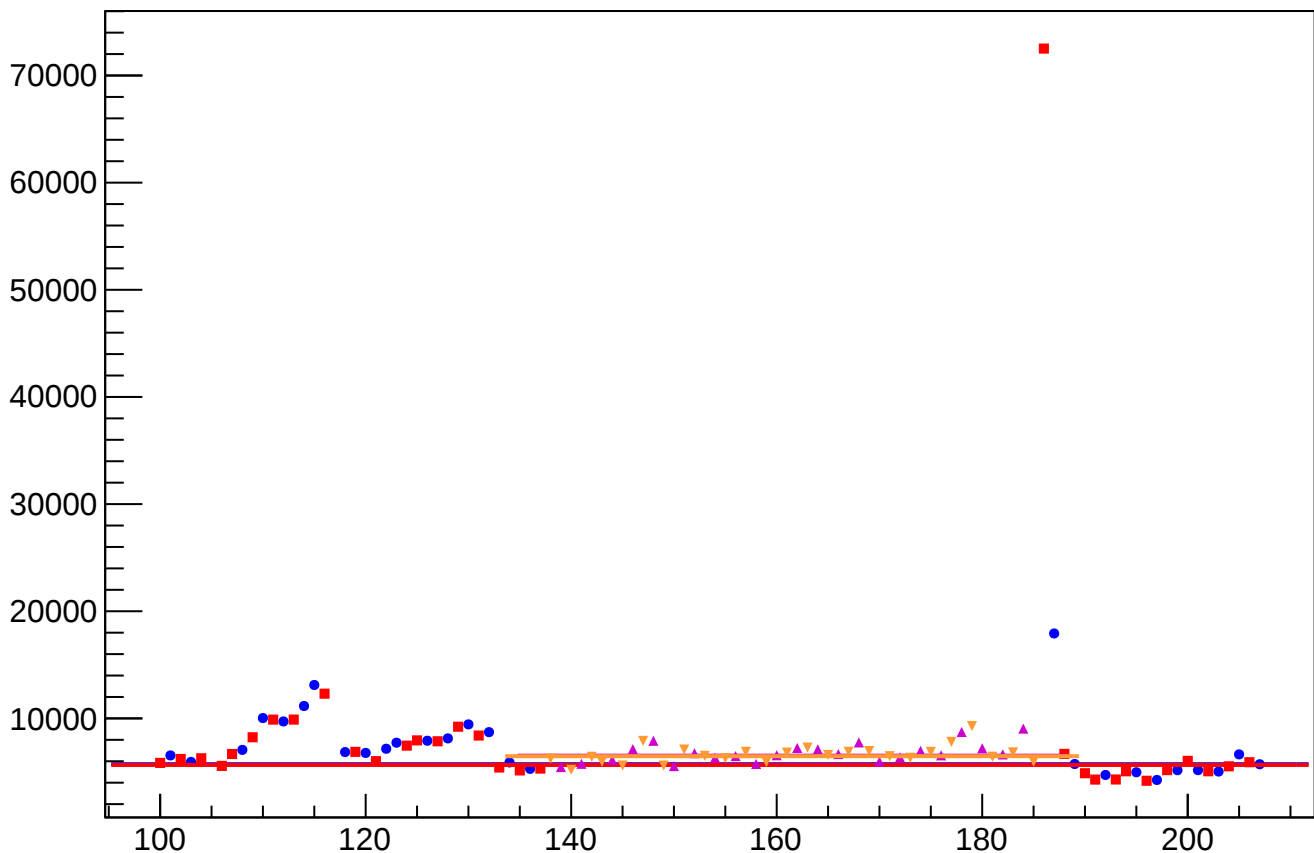
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.426 ± 1.102 χ^2/NDF : 44.7/51

All: 2.250 ± 0.776 χ^2/NDF : 109.4/105

- sign 2.076 ± 1.095 χ^2/NDF : 64.6/53

diff_bpm4ecY_rms vs Slug



Right In: 5722.970+/-1.127 χ^2/NDF : 1492945.7/26

Left Out: 6471.976+/-1.078 χ^2/NDF : 490282.9/24

Right Out: 5655.997+/-1.075 χ^2/NDF : 2123625.2/30

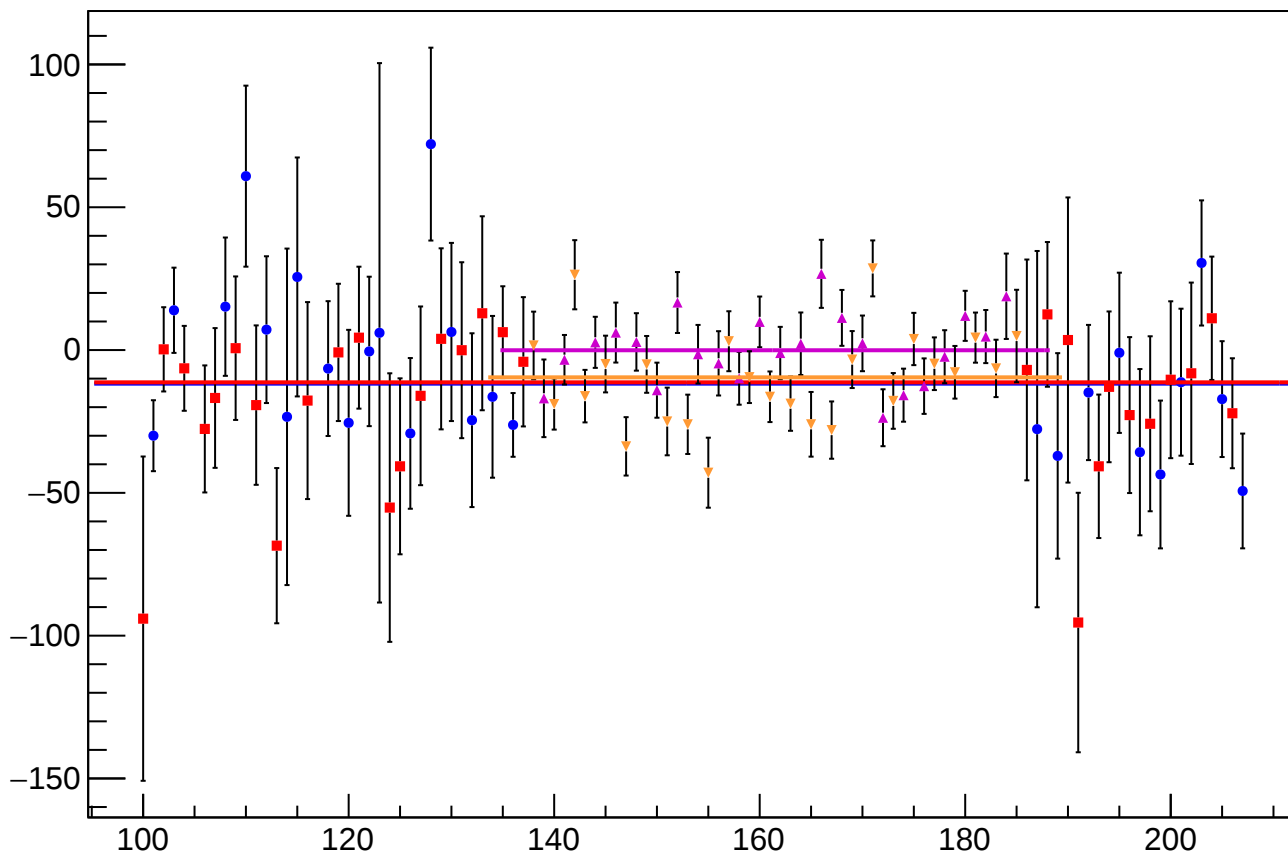
Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22

+ sign 6114.231+/-0.779 χ^2/NDF : 2213875.7/51

All: 6093.354+/-0.549 χ^2/NDF : 5131469.6/10

- sign 6072.744+/-0.774 χ^2/NDF : 2916166.6/53

diff_bpm1X_mean vs Slug



Right In: -11.763 ± 4.503 χ^2/NDF : 32.5/26

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -11.305 ± 4.540 χ^2/NDF : 20.4/30

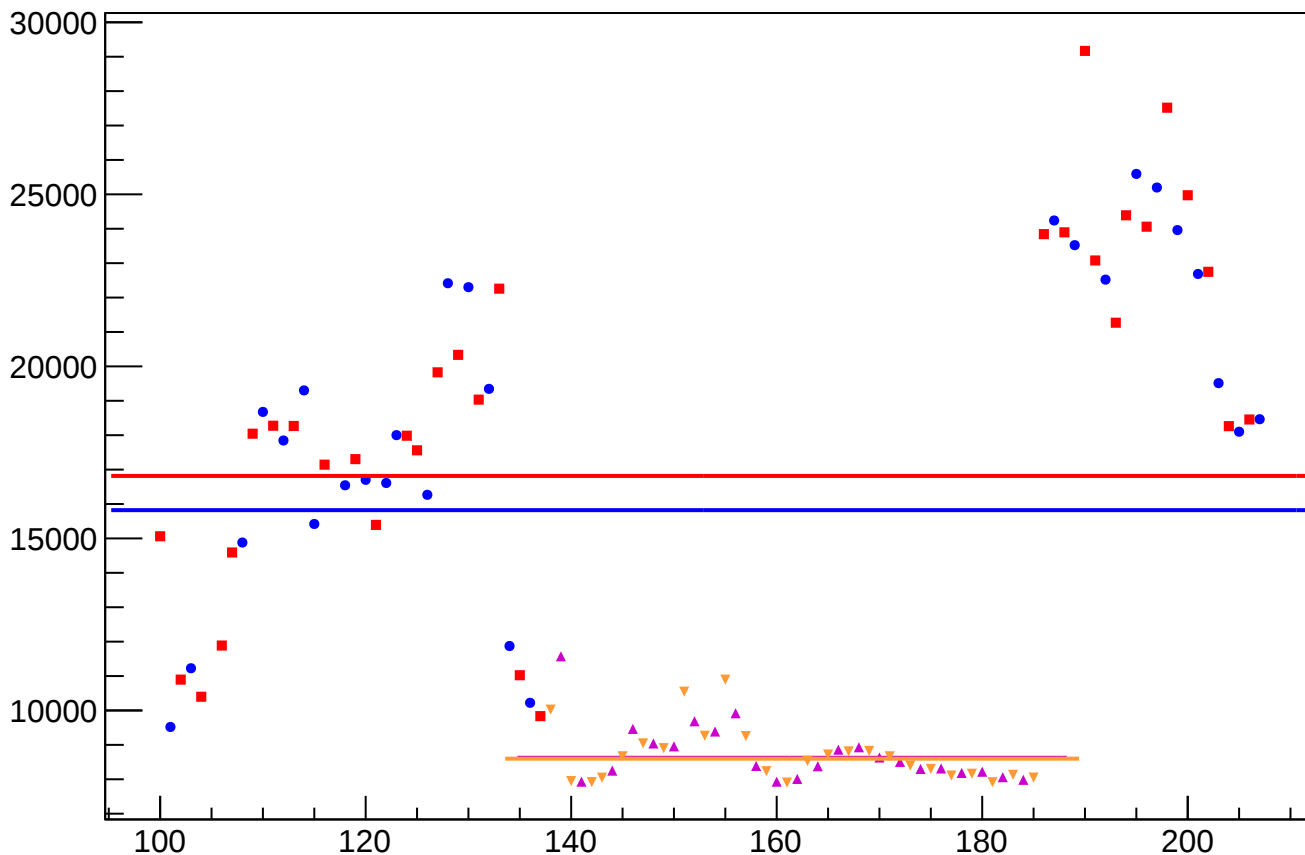
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.922 ± 1.837 χ^2/NDF : 92.2/51

All: -6.069 ± 1.316 χ^2/NDF : 156.5/105

- sign -2.009 ± 1.886 χ^2/NDF : 55.2/53

diff_bpm1X_rms vs Slug



Right In: 15821.517 $\pm$ 3.184 χ^2 /NDF: 2677294.5/26

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 16816.625 $\pm$ 3.211 χ^2 /NDF: 2657495.3/30

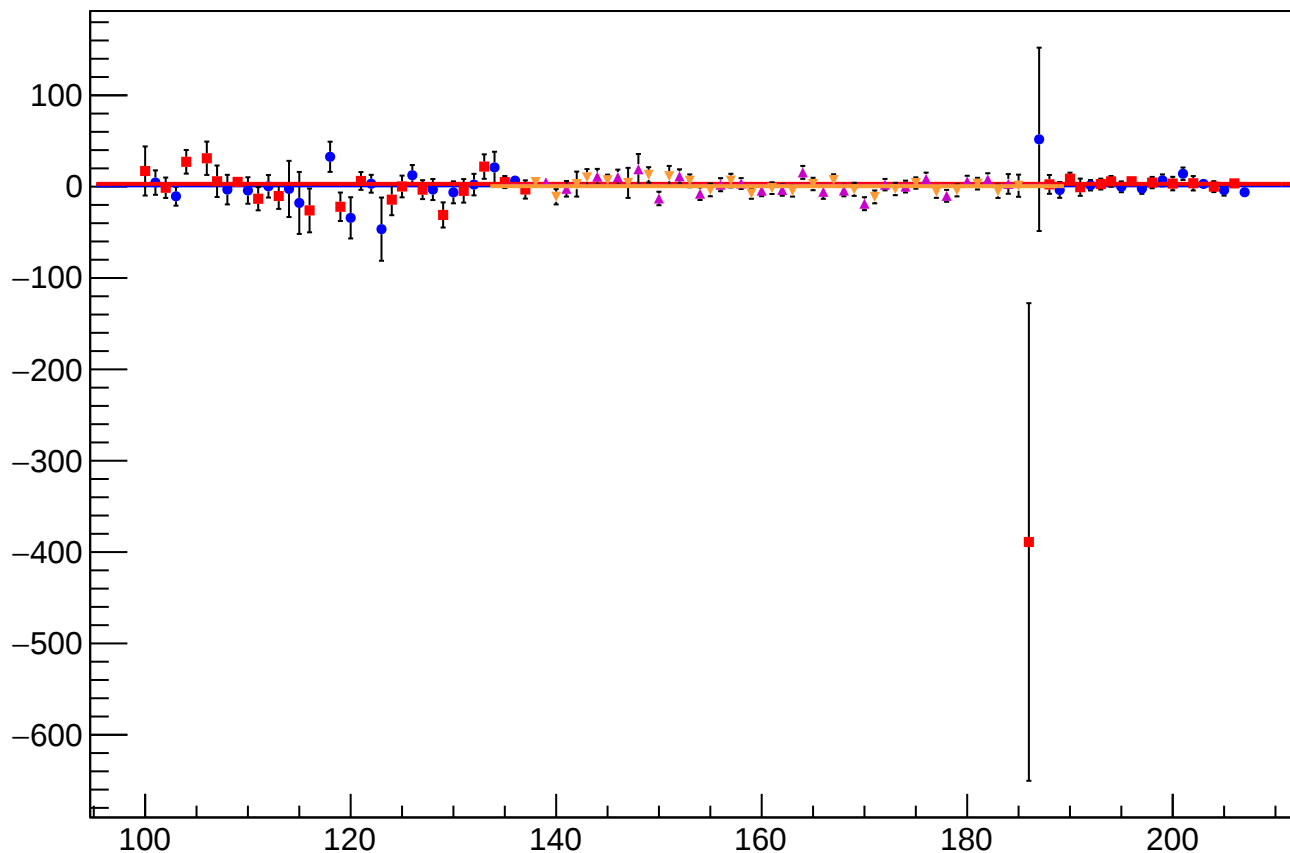
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 9800.737 $\pm$ 1.299 χ^2 /NDF: 7215628.5/51

All: 9916.232 $\pm$ 0.930 χ^2 /NDF: 15513754.6/1

- sign 10037.940 $\pm$ 1.333 χ^2 /NDF: 8281885.7/53

diff_bpm1Y_mean vs Slug



Right In: 1.412 $\pm$ 1.629 χ^2 /NDF: 22.3/26

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.057 $\pm$ 1.524 χ^2 /NDF: 27.6/30

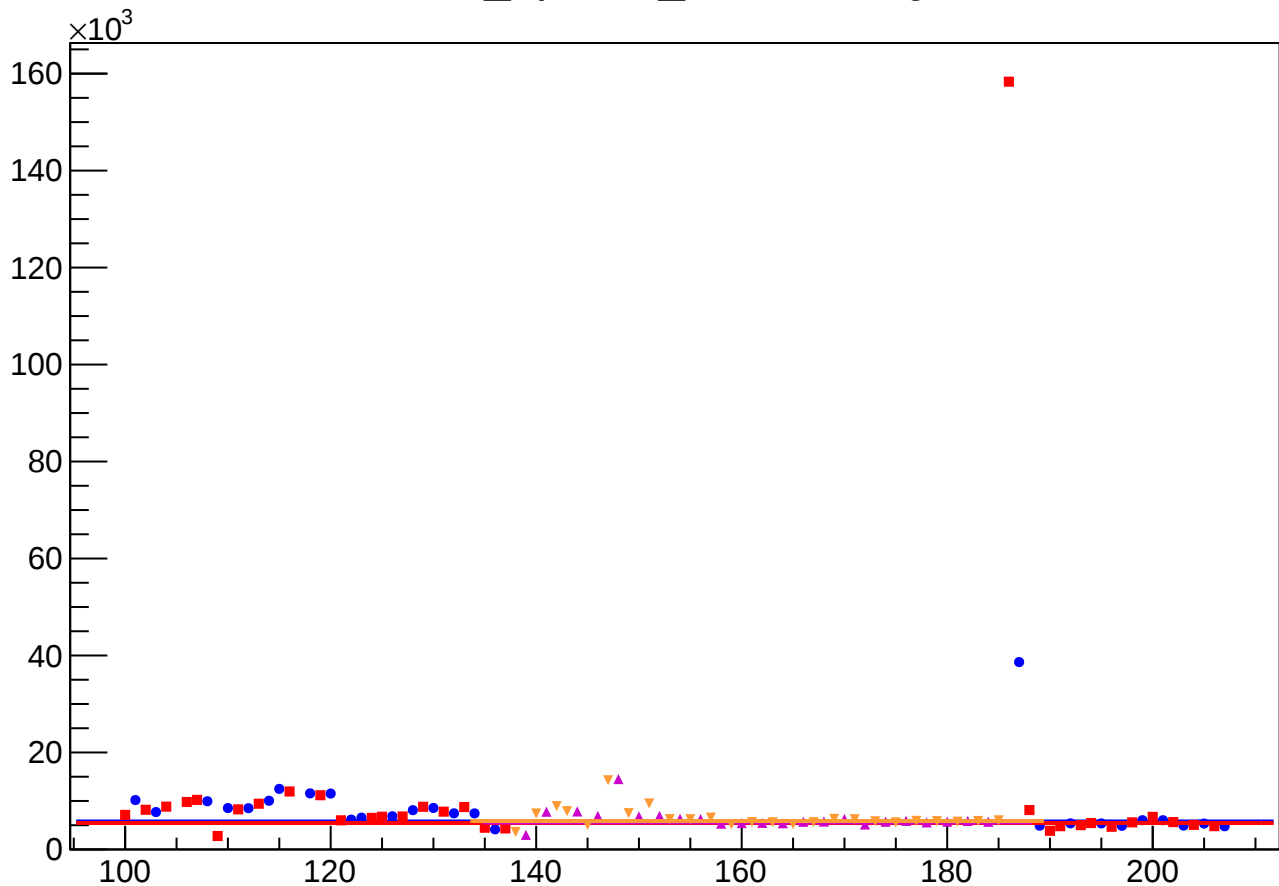
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.909 $\pm$ 1.069 χ^2 /NDF: 42.0/51

All: 1.457 $\pm$ 0.742 χ^2 /NDF: 103.5/105

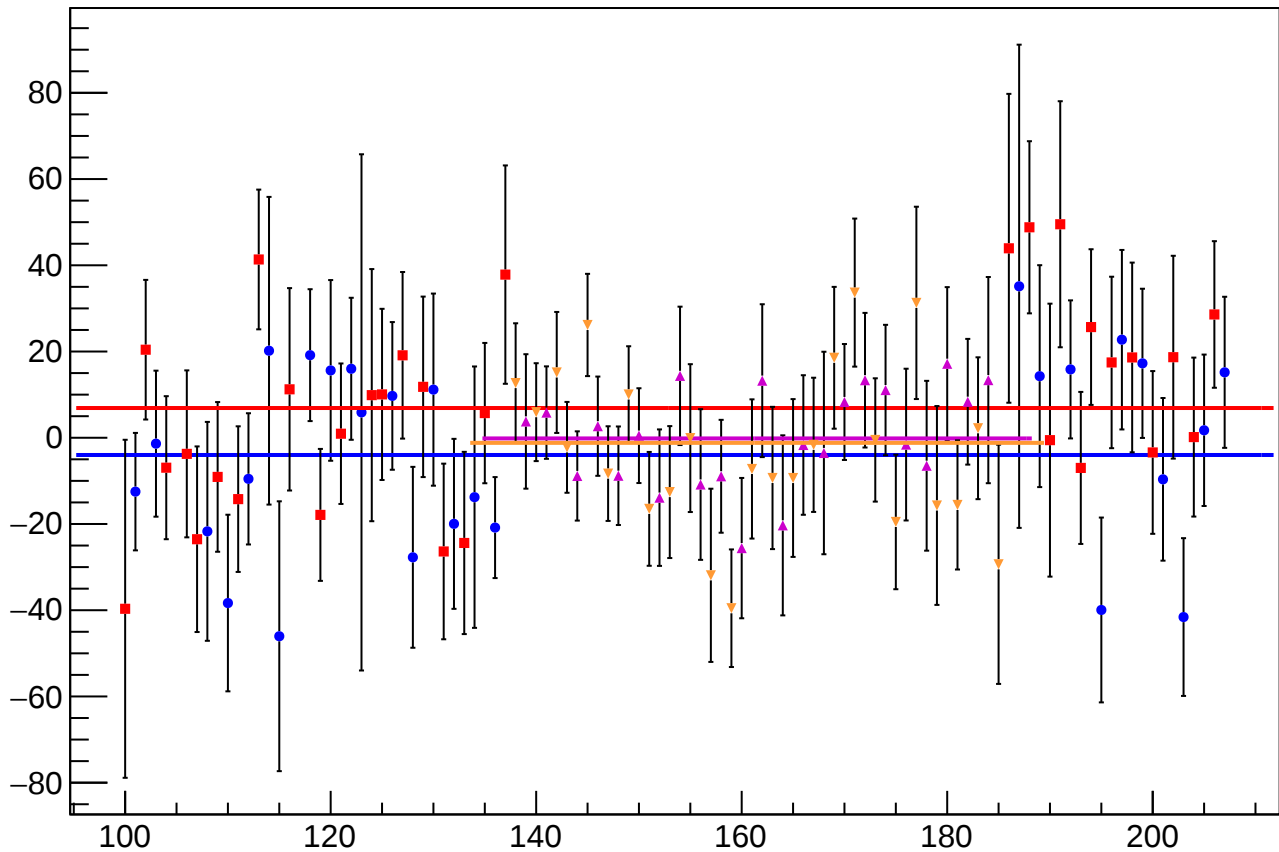
- sign 1.965 $\pm$ 1.029 χ^2 /NDF: 61.0/53

diff_bpm1Y_rms vs Slug



Right In: 5767.165 $\pm$ 1.152	χ^2/NDF : 2054089.7/26	+ sign 5820.342 $\pm$ 0.756	χ^2/NDF : 3747883.0/51
Left Out: 5860.605 $\pm$ 1.002	χ^2/NDF : 1690049.2/24	All: 5664.590 $\pm$ 0.524	χ^2/NDF : 9433973.8/10
Right Out: 5459.476 $\pm$ 1.078	χ^2/NDF : 3435727.3/30	- sign 5520.320 $\pm$ 0.728	χ^2/NDF : 5604374.9/53
Left In: 5571.330 $\pm$ 0.987	χ^2/NDF : 2162788.3/22		

diff_bpm11X_mean vs Slug



Right In: -3.996 ± 3.677 χ^2/NDF : 30.1/26

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 6.897 ± 3.547 χ^2/NDF : 34.0/30

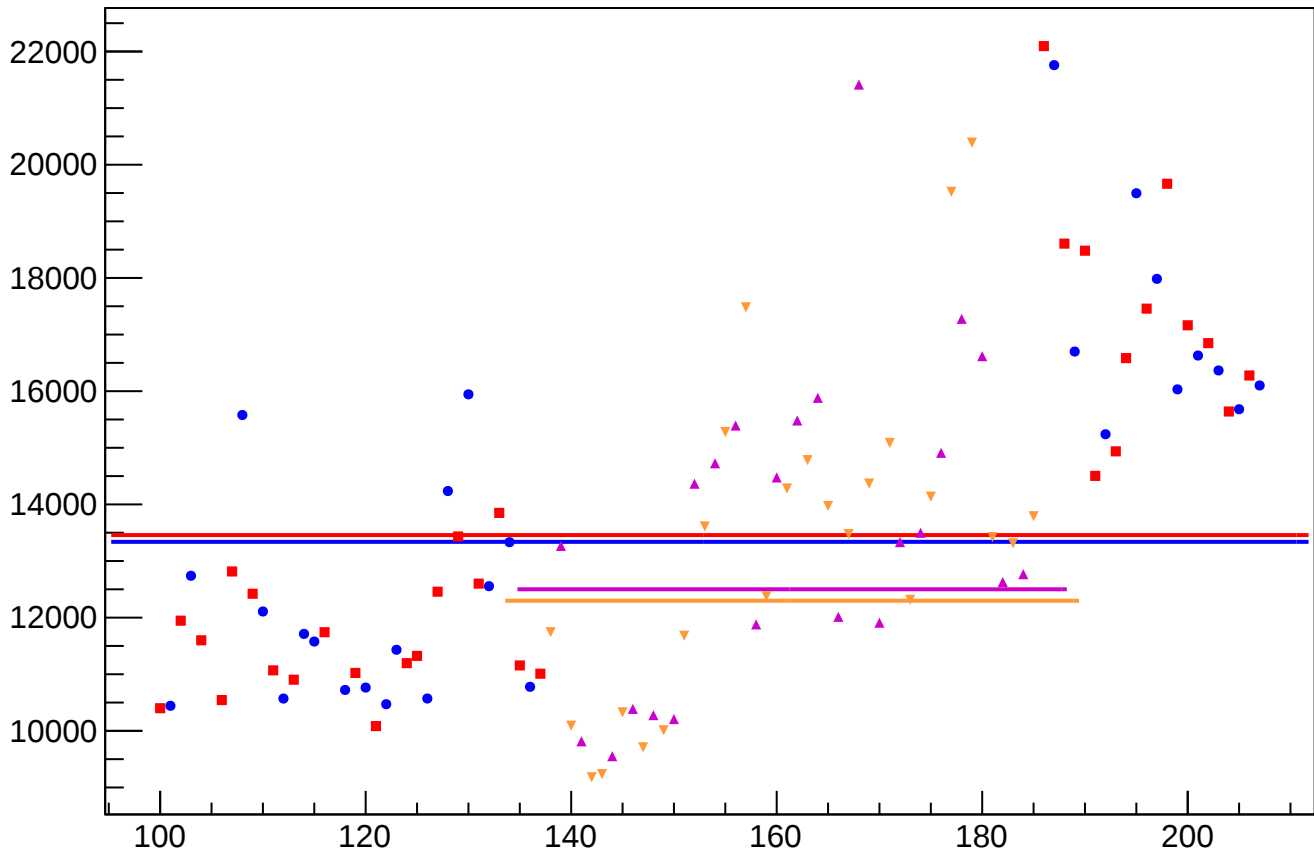
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.279 ± 2.296 χ^2/NDF : 64.2/51

All: 0.263 ± 1.630 χ^2/NDF : 114.4/105

- sign 2.851 ± 2.316 χ^2/NDF : 47.8/53

diff_bpm11X_rms vs Slug



Right In: 13338.913 $\pm$ 2.600 χ^2 /NDF: 1147249.0/26

Left Out: 12298.676 $\pm$ 2.078 χ^2 /NDF:1506026.8/24

Right Out: 13458.297 $\pm$ 2.508 χ^2 /NDF: 1267388.9/30

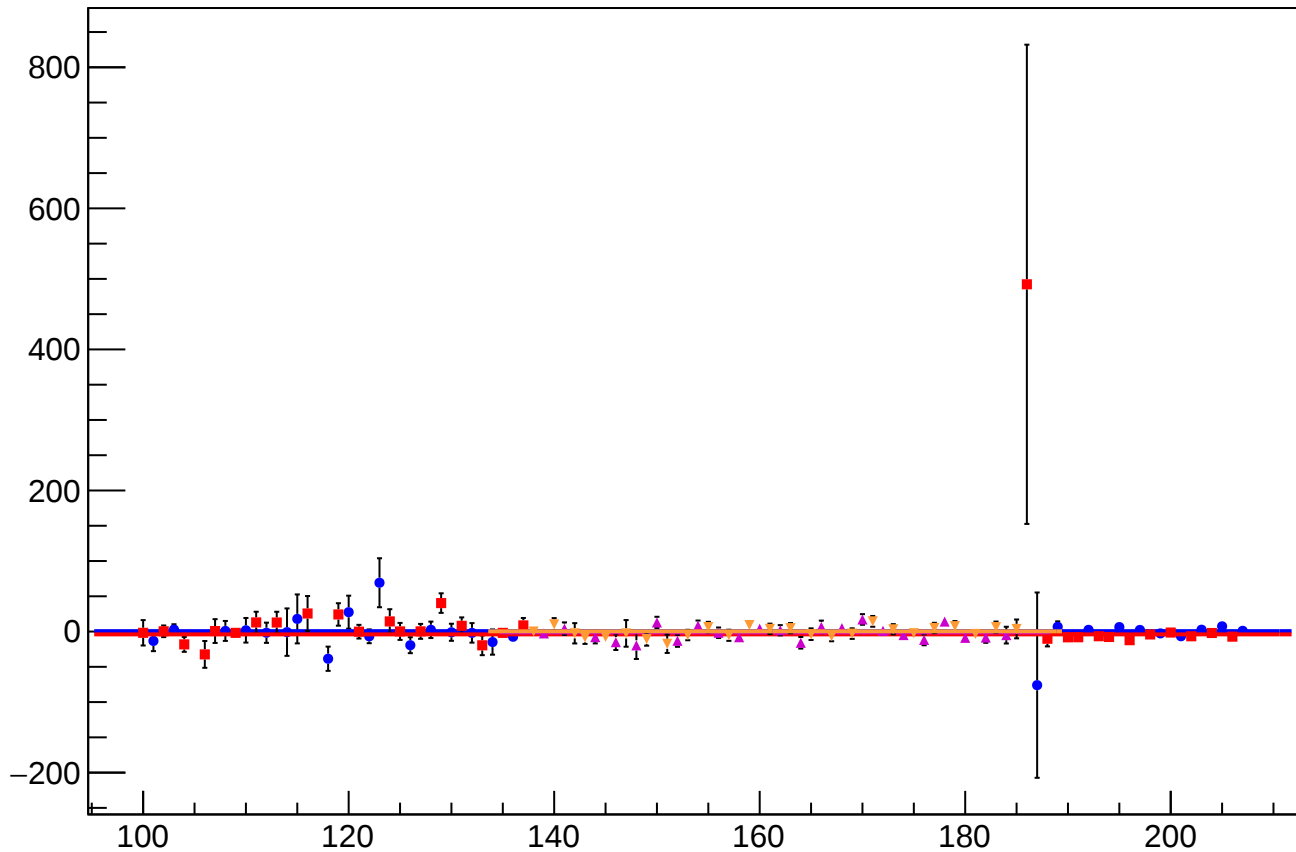
Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF:1357889.1/22

+ sign 12704.149 $\pm$ 1.623 χ^2 /NDF: 2750947.8/51

All: 12805.692 $\pm$ 1.153 χ^2 /NDF: 5467722.8/100

- sign 12909.046 $\pm$ 1.638 χ^2 /NDF: 2708879.4/53

diff_bpm11Y_mean vs Slug



Right In: 0.565 ± 1.403 χ^2/NDF : 26.8/26

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -3.992 ± 1.346 χ^2/NDF : 35.1/30

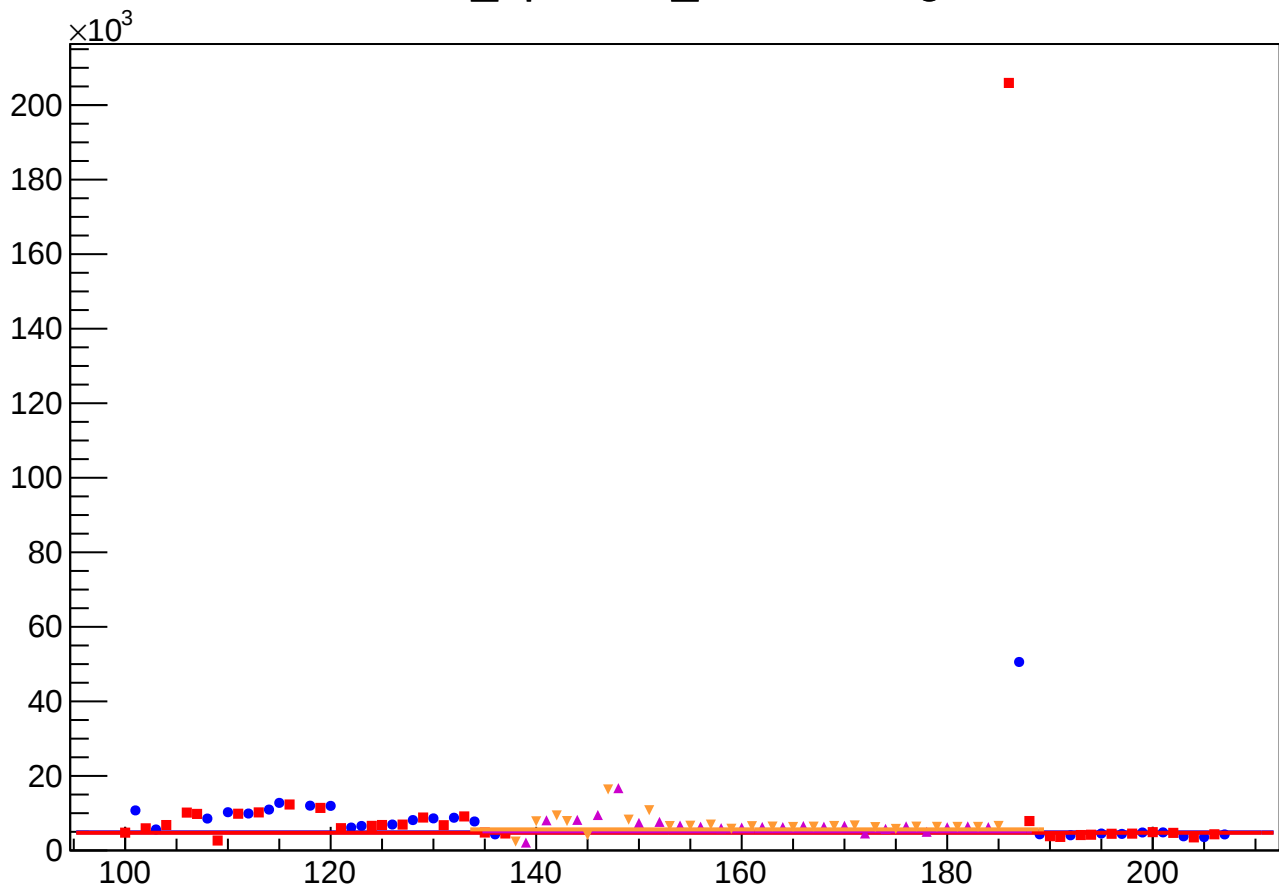
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.462 ± 1.003 χ^2/NDF : 45.9/51

All: -1.137 ± 0.694 χ^2/NDF : 121.6/105

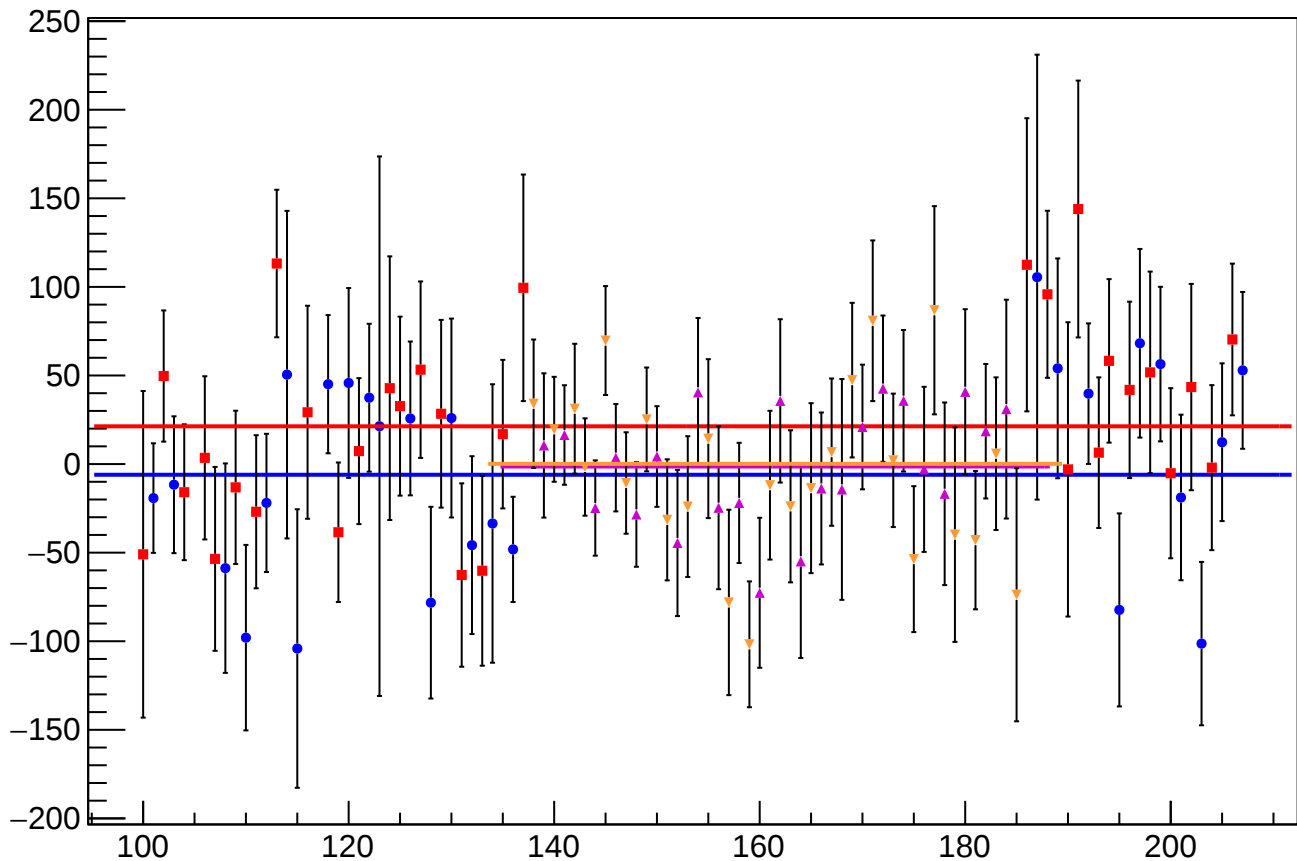
- sign -2.605 ± 0.961 χ^2/NDF : 70.9/53

diff_bpm11Y_rms vs Slug



Right In: 4855.275+/-0.992	χ^2/NDF : 3021191.6/26	+ sign 5248.709+/-0.709	χ^2/NDF : 7471289.2/51
Left Out: 5659.441+/-1.014	χ^2/NDF : 4128583.6/24	All: 5086.172+/-0.491	χ^2/NDF : 16877481.4/1
Right Out: 4743.337+/-0.952	χ^2/NDF : 3725508.4/30	- sign 4936.924+/-0.679	χ^2/NDF : 9305365.1/53
Left In: 5137.772+/-0.970	χ^2/NDF : 5495609.7/22		

diff_bpm12X_mean vs Slug



Right In: -6.030 ± 9.157 χ^2/NDF : 30.7/26

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 21.312 ± 8.840 χ^2/NDF : 30.5/30

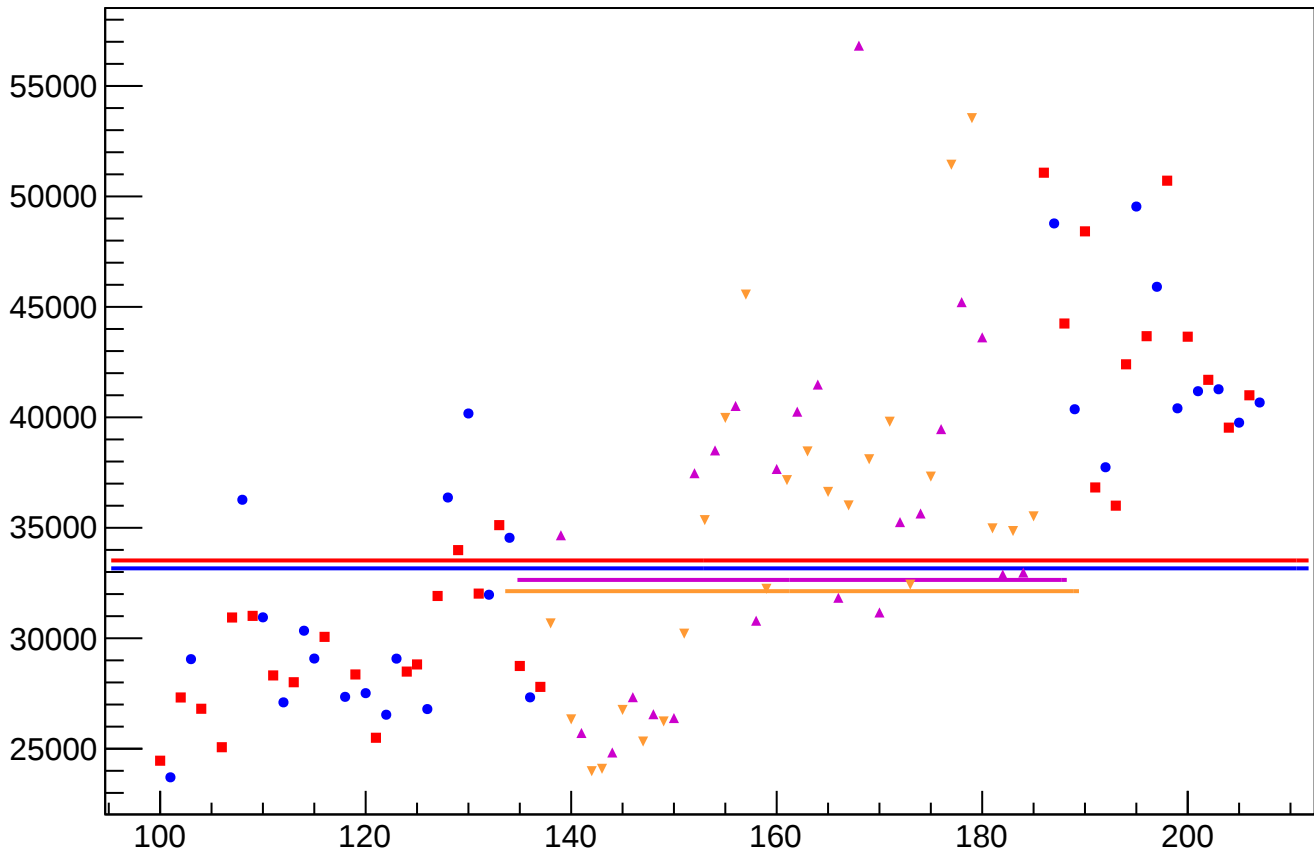
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -2.407 ± 5.886 χ^2/NDF : 62.2/51

All: 3.170 ± 4.177 χ^2/NDF : 111.4/105

- sign 8.827 ± 5.928 χ^2/NDF : 47.4/53

diff_bpm12X_rms vs Slug



Right In: 33164.602 $\pm$ 6.475 χ^2 /NDF: 1210467.4/26

Left Out: 32132.314 $\pm$ 5.433 χ^2 /NDF:1540079.4/24

Right Out: 33522.191 $\pm$ 6.250 χ^2 /NDF: 1302473.2/30

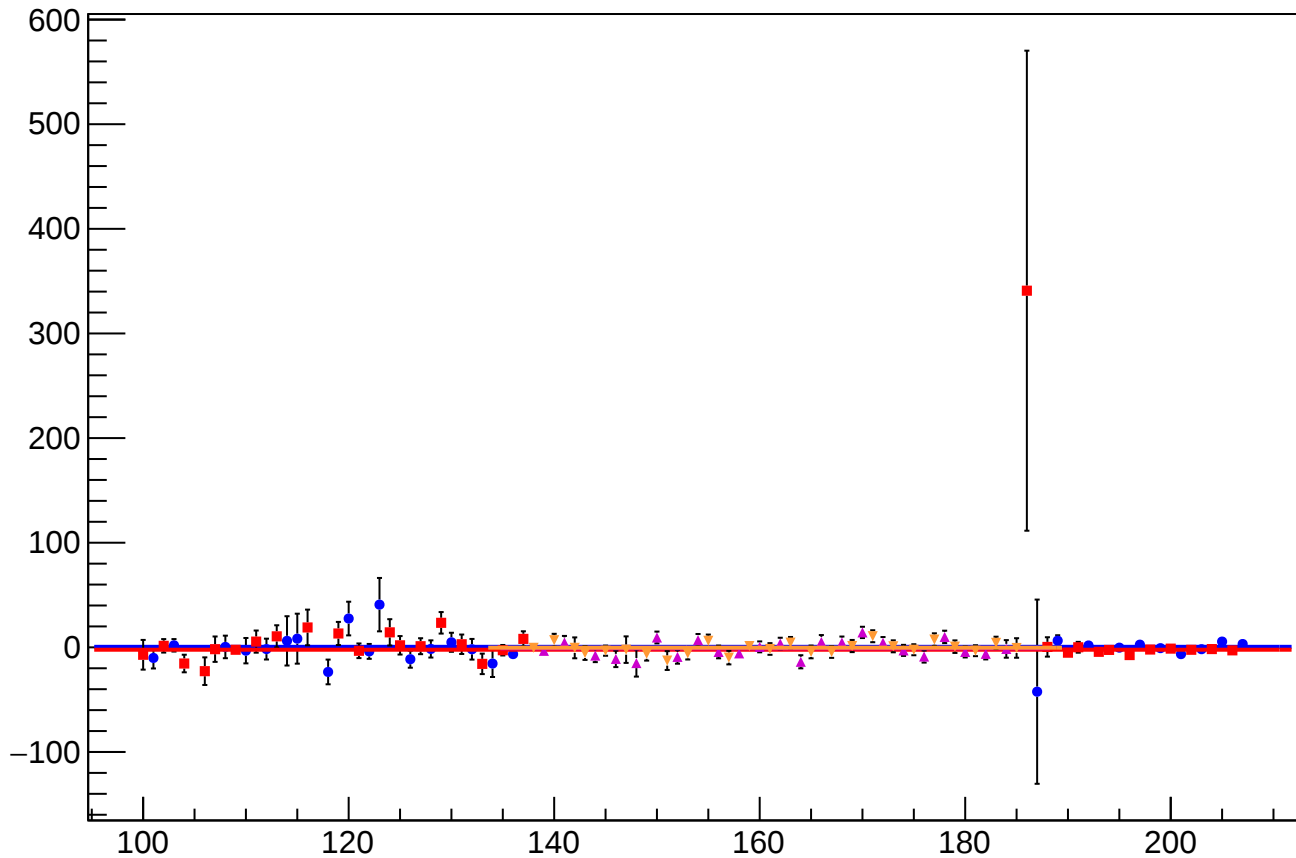
Left In: 32641.162 $\pm$ 5.650 χ^2 /NDF:1402162.4/22

+ sign 32558.792 $\pm$ 4.162 χ^2 /NDF: 2765462.2/51

All: 32796.375 $\pm$ 2.953 χ^2 /NDF: 5487595.3/100

- sign 33037.332 $\pm$ 4.191 χ^2 /NDF: 2715569.6/53

diff_bpm12Y_mean vs Slug



Right In: 0.505 ± 0.872 χ^2/NDF : 33.3/26

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -2.276 ± 0.887 χ^2/NDF : 29.7/30

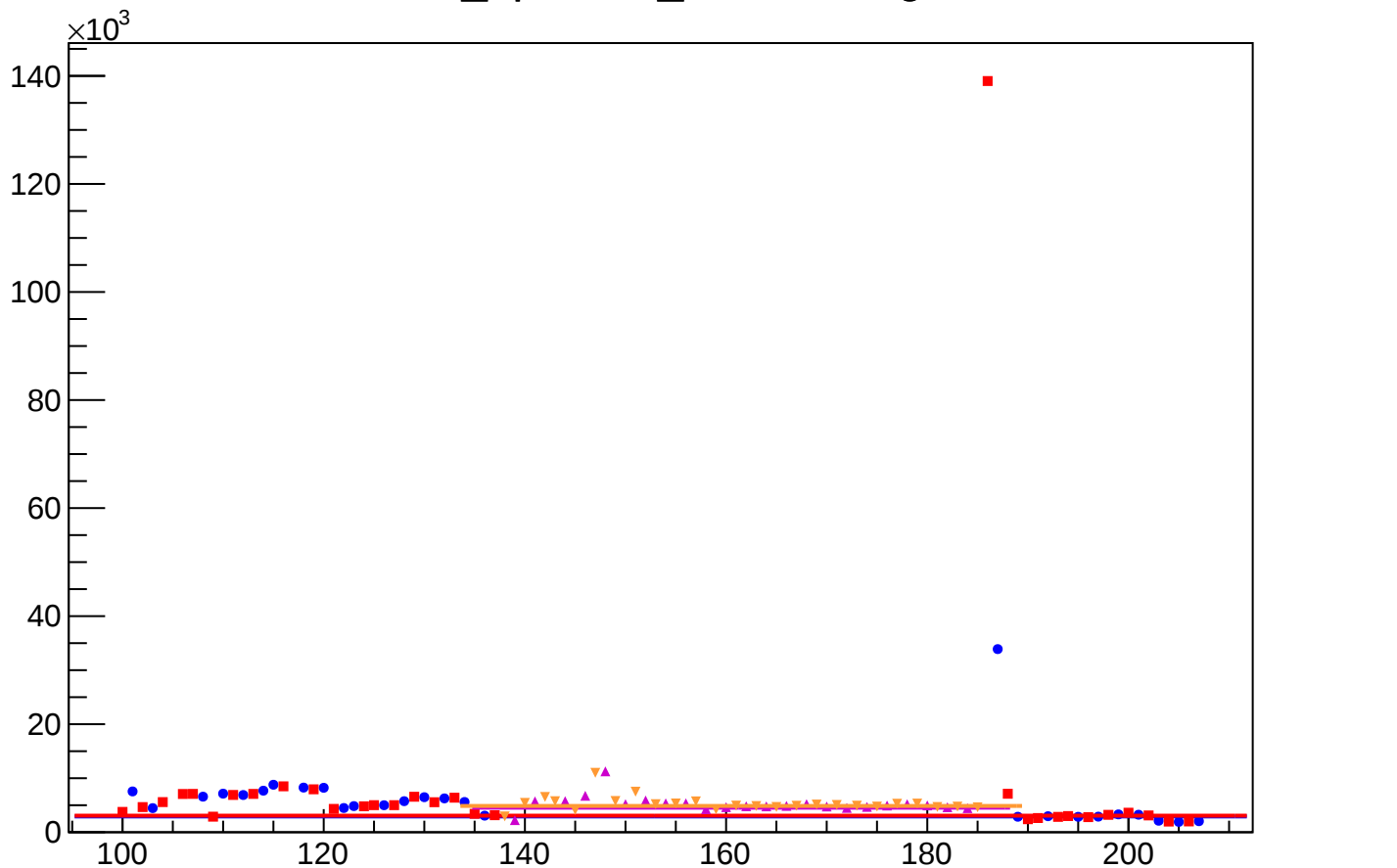
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign 0.213 ± 0.699 χ^2/NDF : 51.2/51

All: -0.773 ± 0.495 χ^2/NDF : 122.0/105

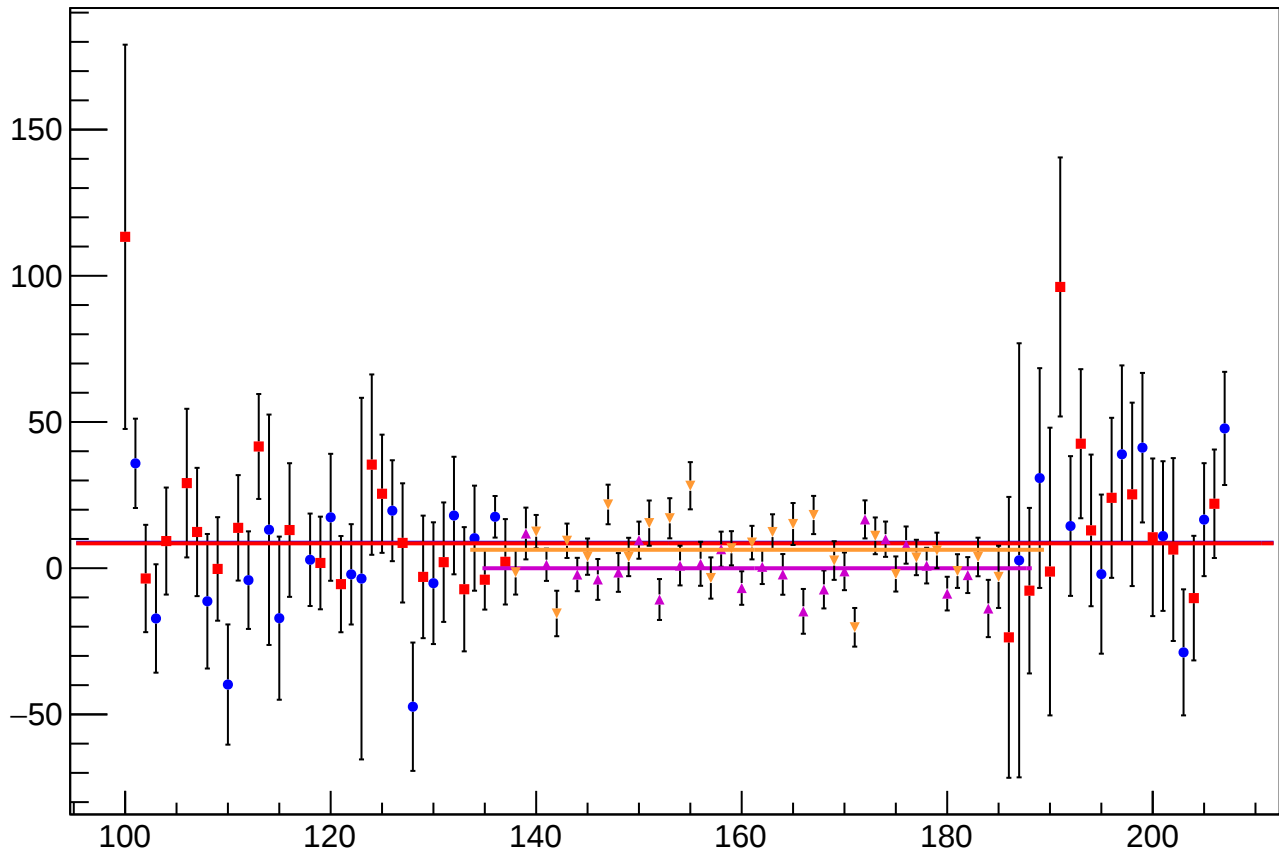
- sign -1.761 ± 0.700 χ^2/NDF : 66.8/53

diff_bpm12Y_rms vs Slug



Right In: 2922.144 ± 0.617 $\chi^2/\text{NDF}: 4534022.4/26$ + sign 3615.836 ± 0.495 $\chi^2/\text{NDF}: 9597456.6/51$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 3620.043 ± 0.350 $\chi^2/\text{NDF}: 19288089.2/100$
 Right Out: 3069.816 ± 0.627 $\chi^2/\text{NDF}: 4976328.6/30$ - sign 3624.261 ± 0.495 $\chi^2/\text{NDF}: 9690487.7/53$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 8.704 ± 3.640 χ^2/NDF : 33.2/26

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 8.498 ± 3.745 χ^2/NDF : 20.9/30

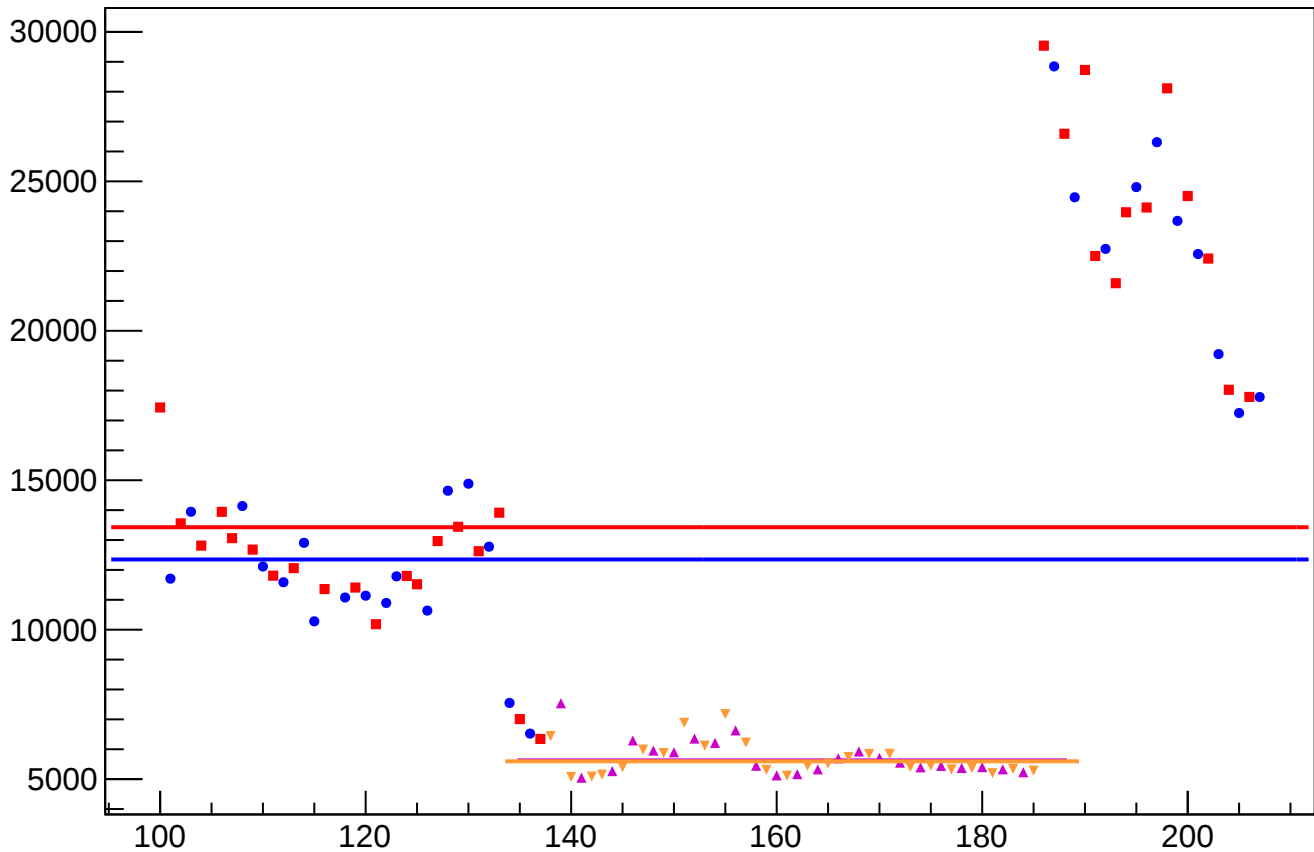
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 6.572 ± 1.233 χ^2/NDF : 90.1/51

All: 3.857 ± 0.885 χ^2/NDF : 155.5/105

- sign 0.964 ± 1.273 χ^2/NDF : 55.4/53

diff_bpm16X_rms vs Slug



Right In: 12349.134+/-2.574 χ^2/NDF : 4363361.6/26

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 13428.564+/-2.648 χ^2/NDF : 4377736.7/30

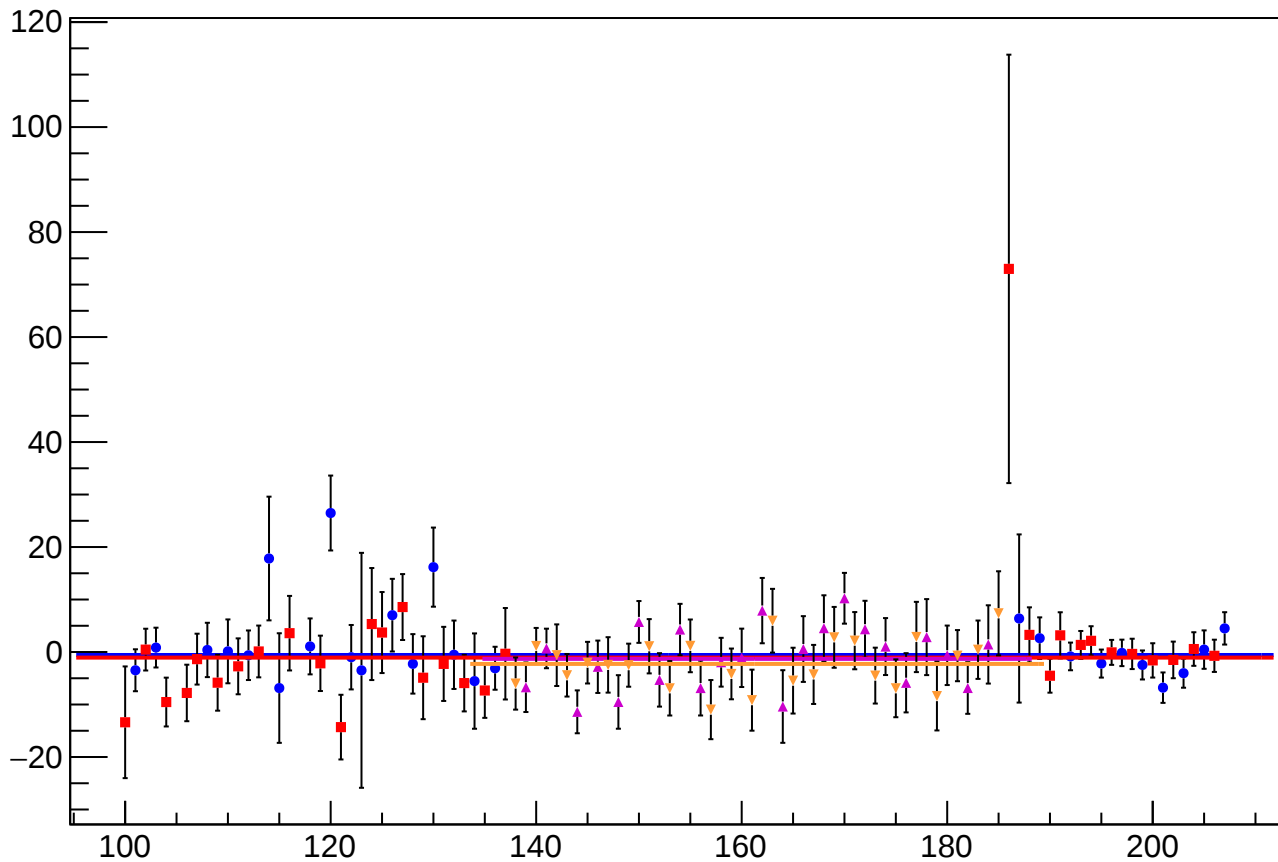
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6370.736+/-0.872 χ^2/NDF : 10739835.4/51

All: 6446.992+/-0.626 χ^2/NDF : 23090832.1/100

- sign 6528.249+/-0.900 χ^2/NDF : 12335189.5/53

diff_bpm16Y_mean vs Slug



Right In: -0.567 ± 0.797 χ^2/NDF : 35.6/26

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.064 ± 0.769 χ^2/NDF : 26.8/30

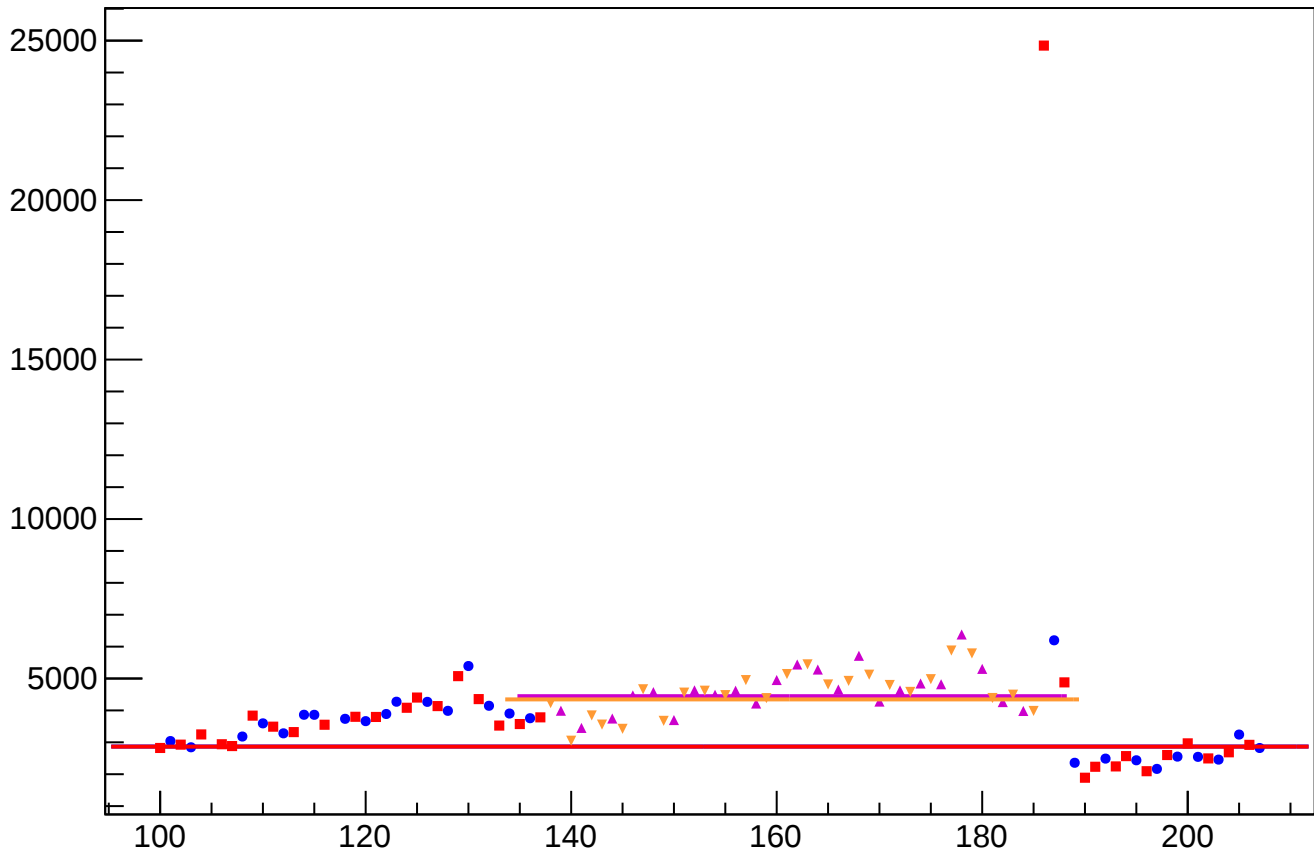
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.204 ± 0.630 χ^2/NDF : 52.7/51

All: -1.175 ± 0.444 χ^2/NDF : 110.3/105

- sign -1.146 ± 0.626 χ^2/NDF : 57.6/53

diff_bpm16Y_rms vs Slug



Right In: 2868.232 $\pm$ 0.563 χ^2 /NDF: 1294060.9/26

Left Out: 4345.381 $\pm$ 0.728 χ^2 /NDF: 1000636.1/24

Right Out: 2864.487 $\pm$ 0.544 χ^2 /NDF: 2264459.1/30

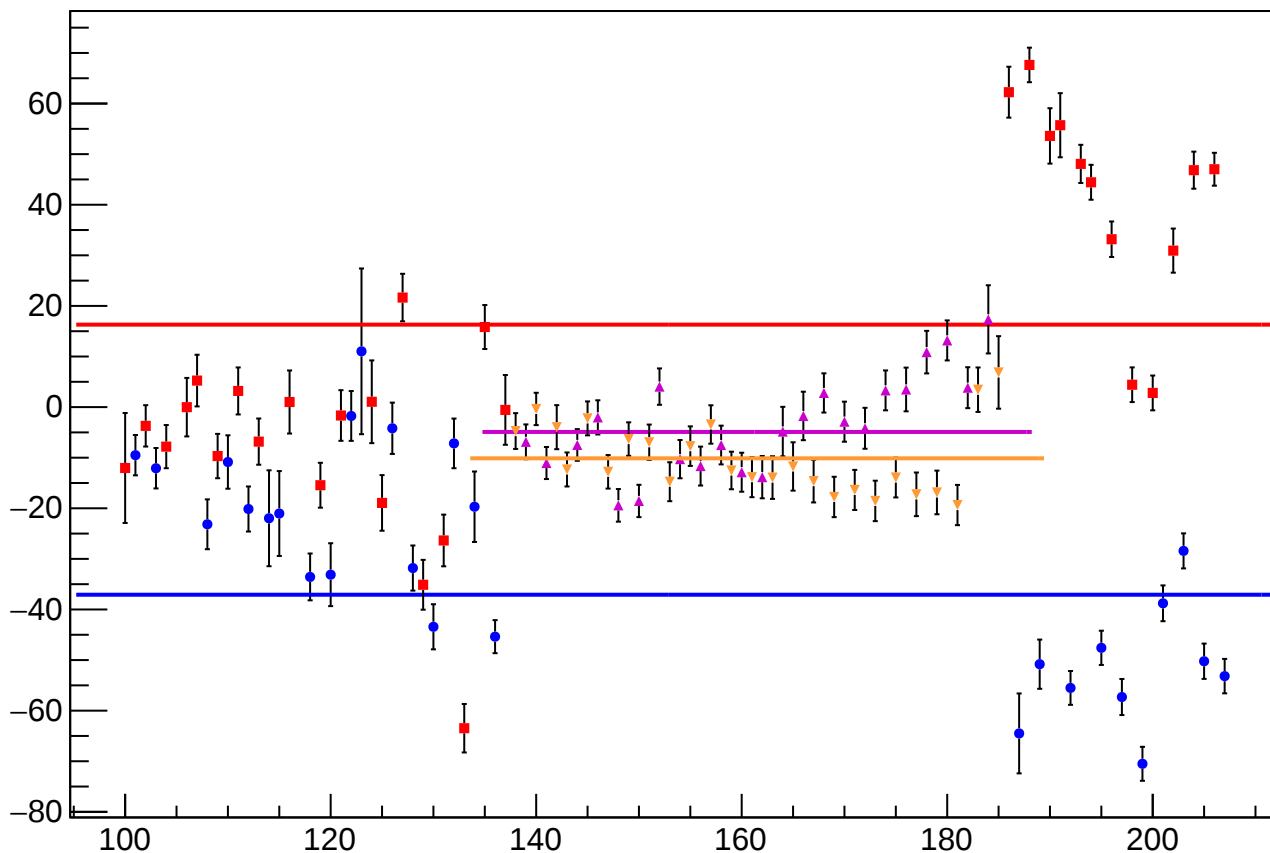
Left In: 4446.181 $\pm$ 0.762 χ^2 /NDF: 702797.6/22

+ sign 3421.440 $\pm$ 0.445 χ^2 /NDF: 4870418.1/51

All: 3409.742 $\pm$ 0.314 χ^2 /NDF: 10696830.2/101

- sign 3398.204 $\pm$ 0.442 χ^2 /NDF: 5825042.2/53

diff_bpm0l01X_mean vs Slug



Right In: -37.084 ± 0.838 χ^2/NDF : 531.2/26

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 16.298 ± 0.802 χ^2/NDF : 1474.9/30

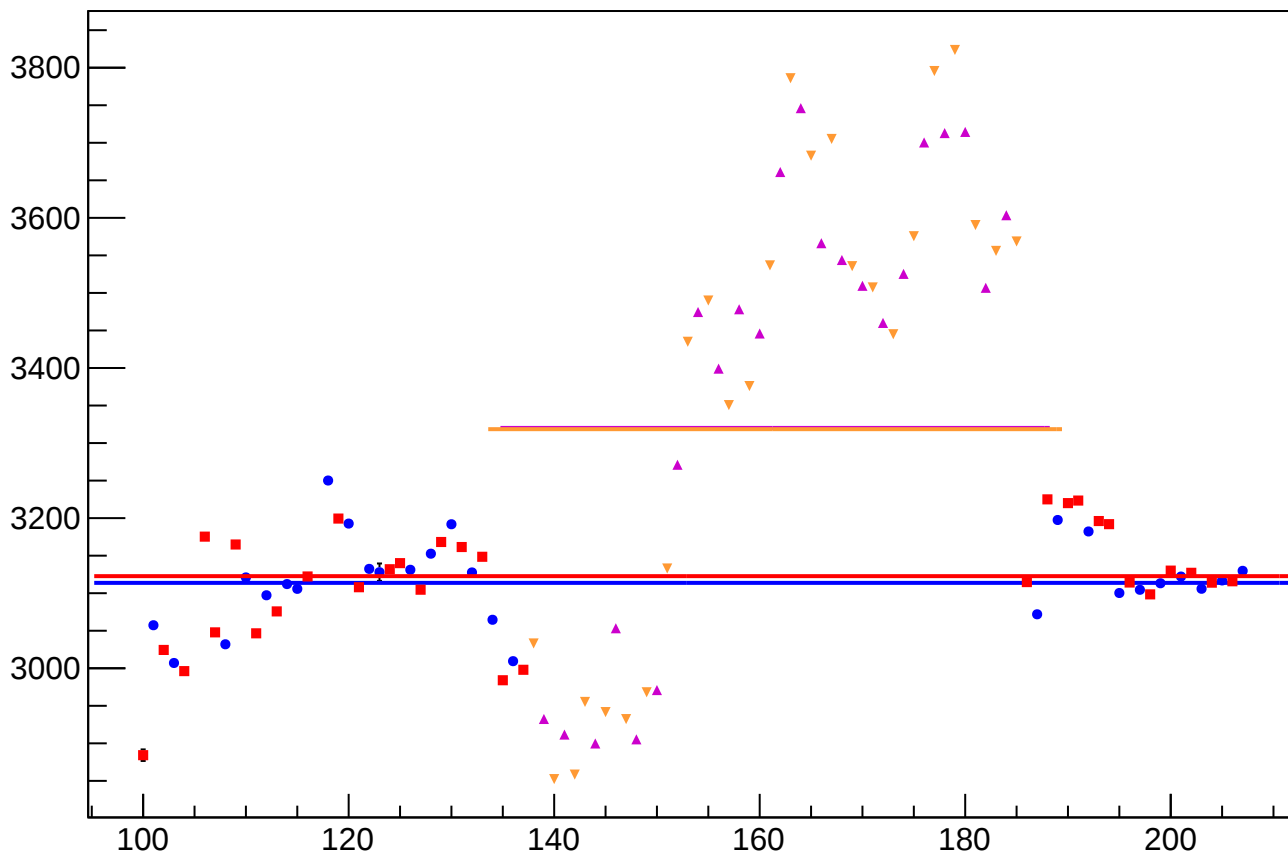
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -22.569 ± 0.569 χ^2/NDF : 1157.0/51

All: -8.377 ± 0.401 χ^2/NDF : 4347.9/105

- sign 5.631 ± 0.565 χ^2/NDF : 1954.7/53

diff_bpm0l01X_rms vs Slug



Right In: 3113.768 $\pm$ 0.592 χ^2 /NDF: 9047.3/26

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3122.711 $\pm$ 0.567 χ^2 /NDF: 13750.9/30

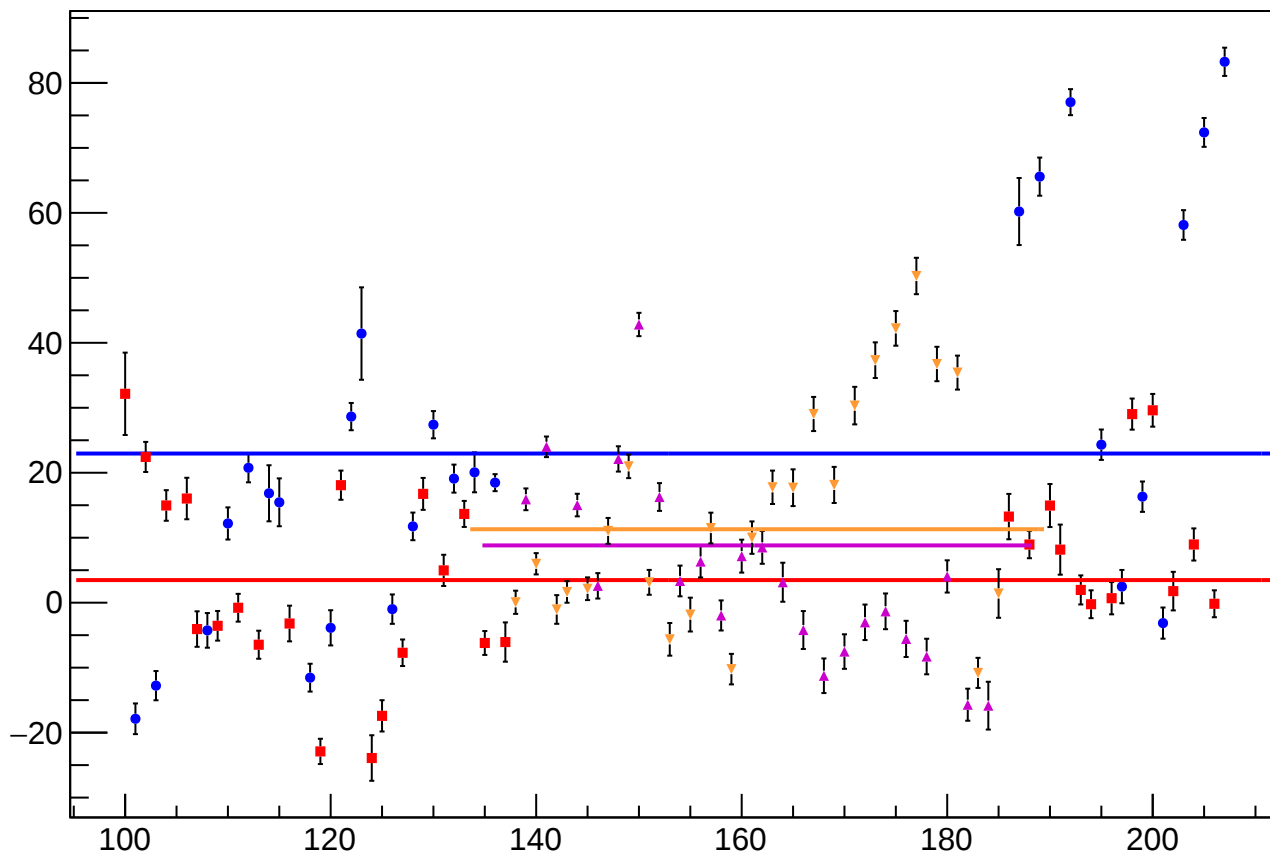
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3224.001 $\pm$ 0.402 χ^2 /NDF: 411093.8/51

All: 3223.003 $\pm$ 0.284 χ^2 /NDF: 773495.0/105

- sign 3222.018 $\pm$ 0.400 χ^2 /NDF: 362389.0/53

diff_bpm0l01Y_mean vs Slug



Right In: 22.957 $\pm$ 0.454 χ^2 /NDF: 3895.6/26

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 3.478 $\pm$ 0.438 χ^2 /NDF: 923.1/30

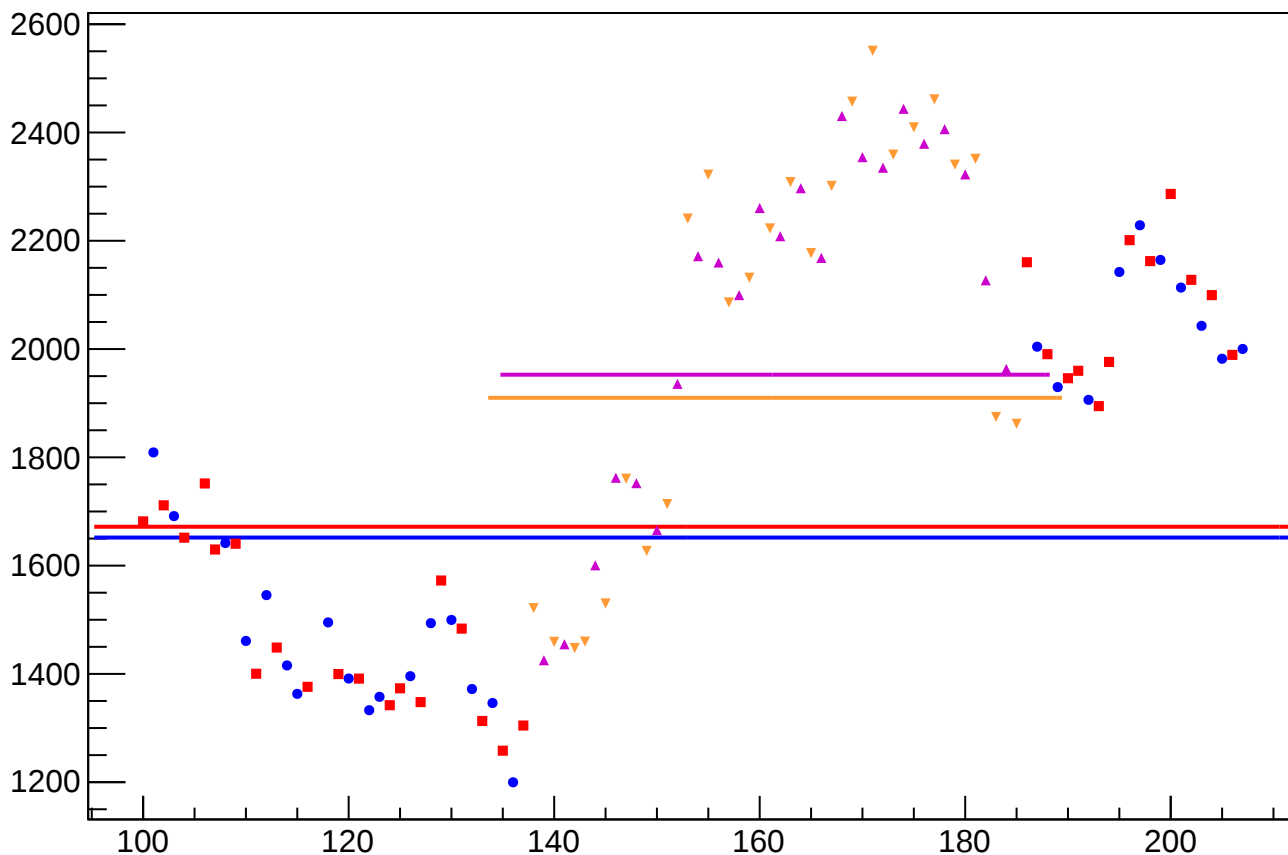
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 17.134 $\pm$ 0.321 χ^2 /NDF: 5369.7/51

All: 11.551 $\pm$ 0.227 χ^2 /NDF: 7910.9/105

- sign 5.927 $\pm$ 0.322 χ^2 /NDF: 1933.5/53

diff_bpm0l01Y_rms vs Slug



Right In: 1651.849 $\pm$ 0.321 χ^2 /NDF: 1036011.5/26

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1671.816 $\pm$ 0.310 χ^2 /NDF: 1076584.3/30

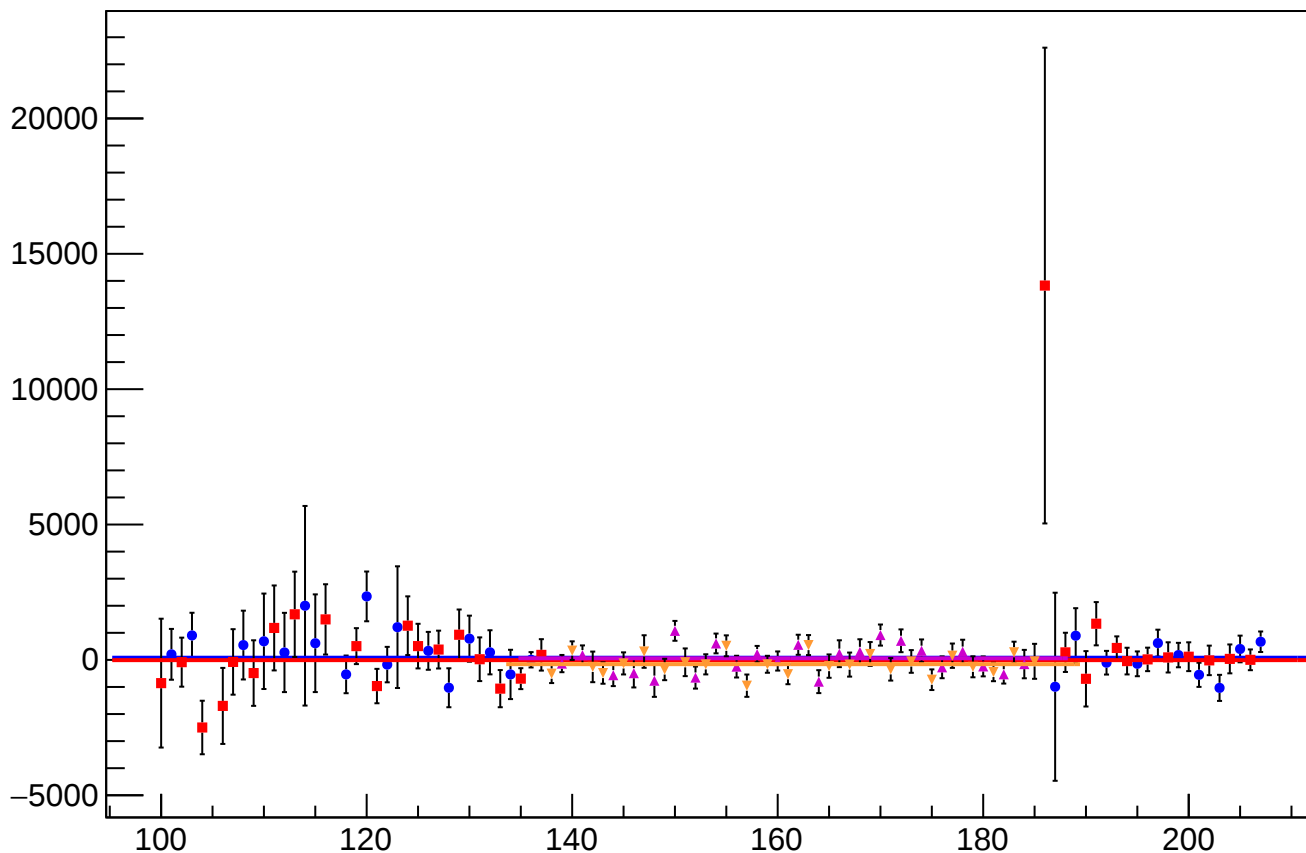
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1780.847 $\pm$ 0.227 χ^2 /NDF: 2759071.6/51

All: 1790.733 $\pm$ 0.161 χ^2 /NDF: 5282447.6/10

- sign 1800.693 $\pm$ 0.228 χ^2 /NDF: 2519564.0/53

asym_sam1_mean vs Slug



Right In: 80.303+/-118.606 χ^2/NDF : 25.3/26

Left Out: -157.242+/-80.796 χ^2/NDF : 22.0/24

Right Out: -8.792+/-120.346 χ^2/NDF : 29.9/30

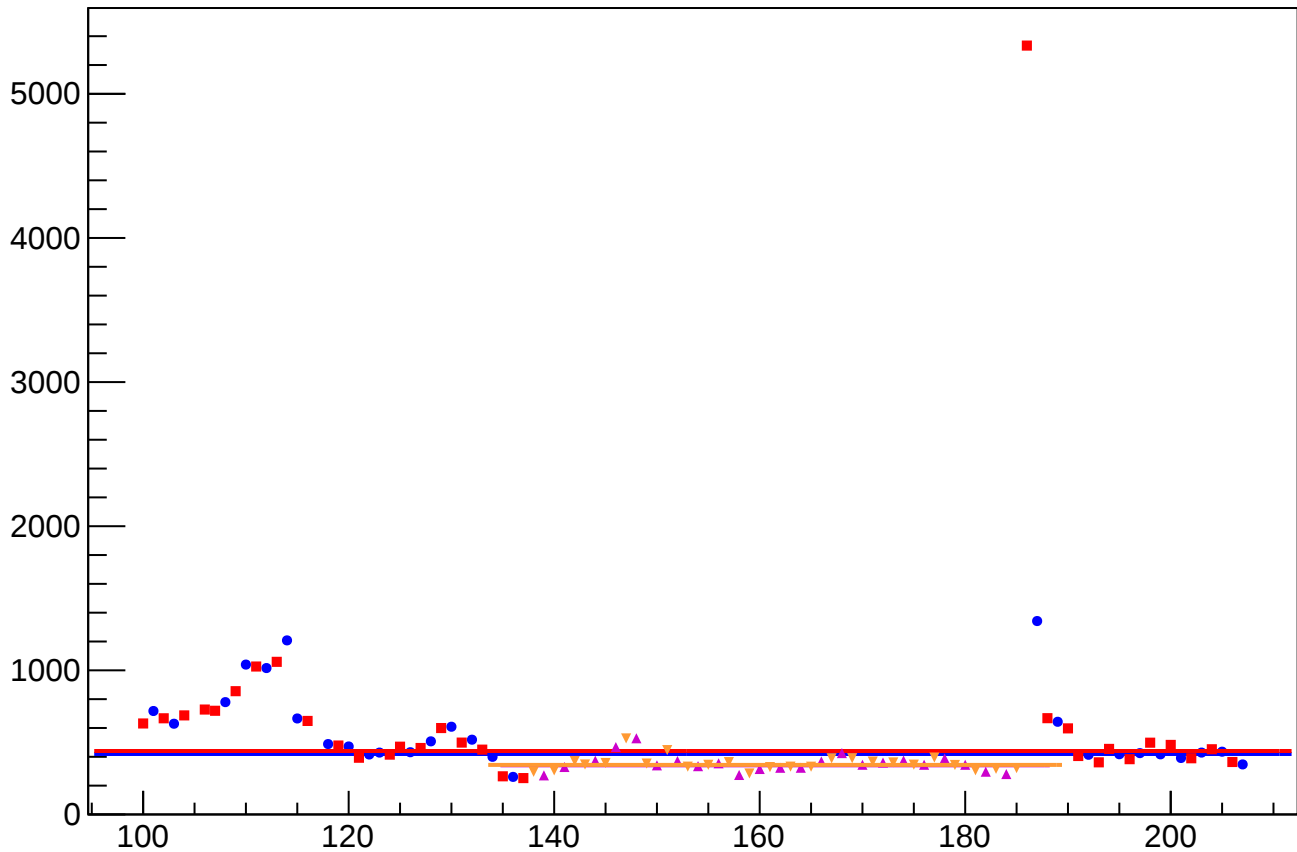
Left In: 58.934+/-82.584 χ^2/NDF : 38.5/22

+ sign -81.949+/-66.774 χ^2/NDF : 50.0/51

All: -23.514+/-47.676 χ^2/NDF : 120.2/105

- sign 37.252+/-68.094 χ^2/NDF : 68.6/53

asym_sam1_rms vs Slug



Right In: 419.625 $\pm$ 0.084 χ^2 /NDF: 2333518.5/26

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 440.282 $\pm$ 0.085 χ^2 /NDF: 3146716.2/30

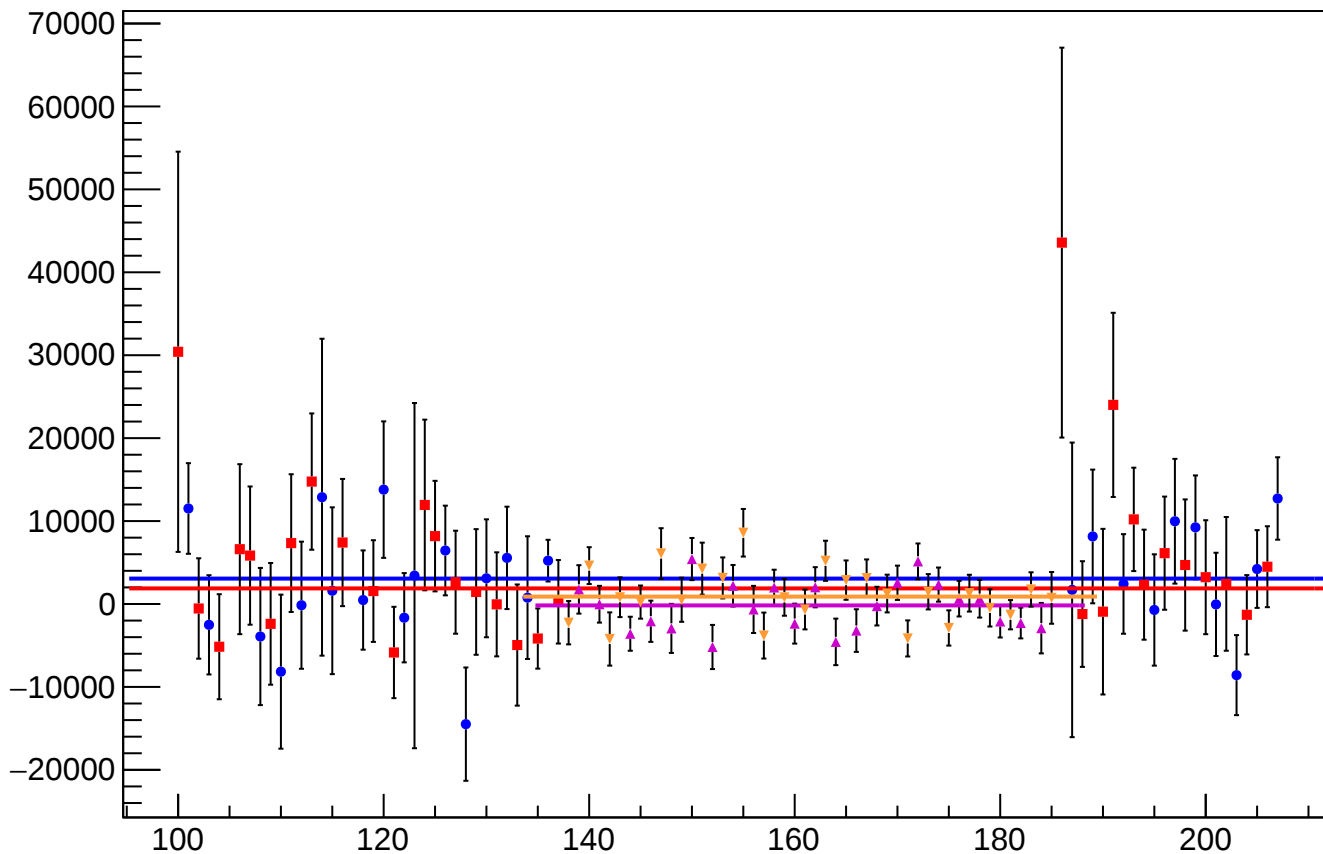
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 367.838 $\pm$ 0.047 χ^2 /NDF: 3431182.4/51

All: 370.222 $\pm$ 0.034 χ^2 /NDF: 8235469.1/105

- sign 372.701 $\pm$ 0.048 χ^2 /NDF: 4799088.4/53

asym_sam2_mean vs Slug



Right In: 3063.362 $\pm$ 1161.328 χ^2 /NDF: 29.0/26

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF:38.0/24

Right Out: 1879.719 $\pm$ 1204.040 χ^2 /NDF: 25.2/30

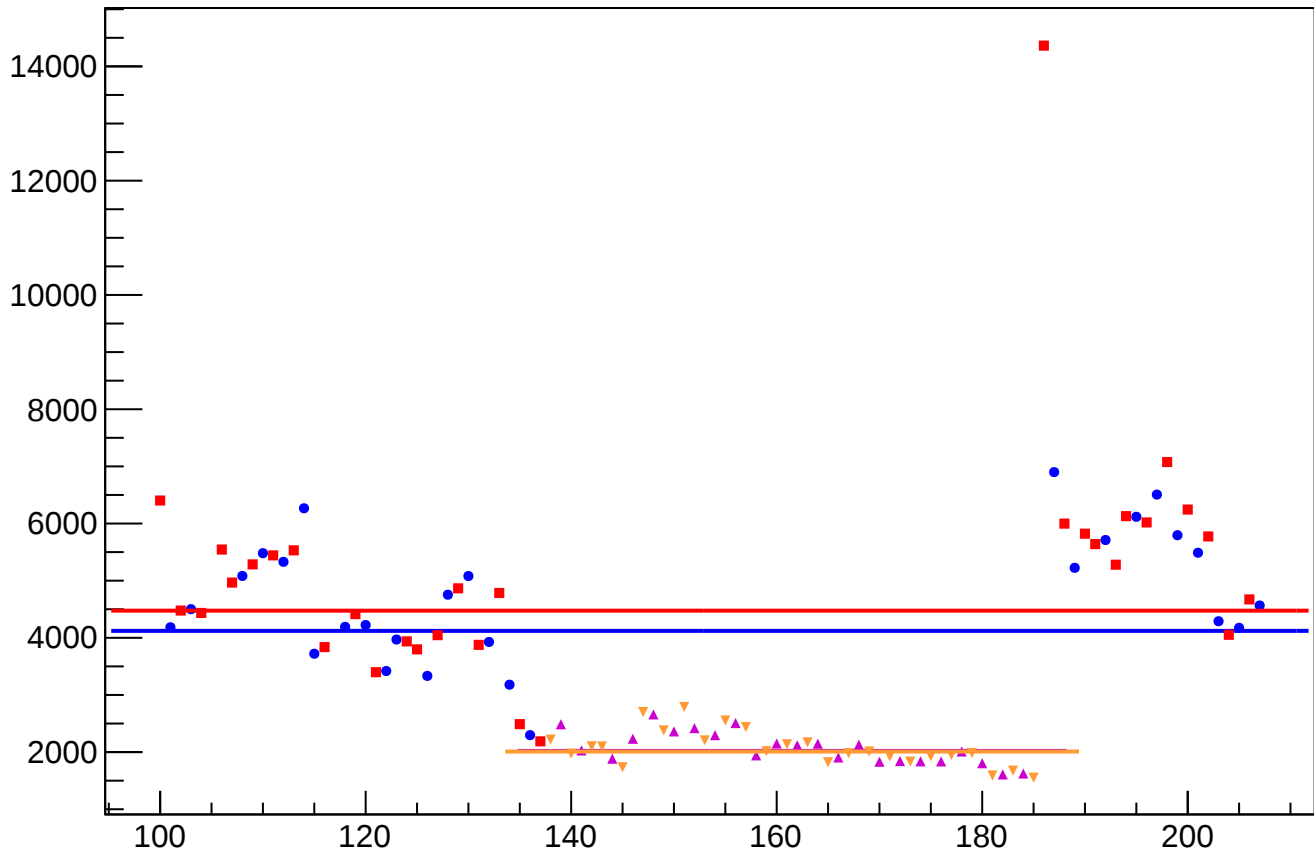
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF:33.2/22

+ sign 1199.867 $\pm$ 438.267 χ^2 /NDF: 70.0/51

All: 675.619 $\pm$ 314.752 χ^2 /NDF: 133.8/105

- sign 117.215 $\pm$ 452.319 χ^2 /NDF: 60.9/53

asym_sam2_rms vs Slug



Right In: 4121.518 $\pm$ 0.821 χ^2 /NDF: 2239376.6/26

Left Out: 2009.631 $\pm$ 0.335 χ^2 /NDF: 709977.6/24

Right Out: 4475.348 $\pm$ 0.851 χ^2 /NDF: 2496333.9/30

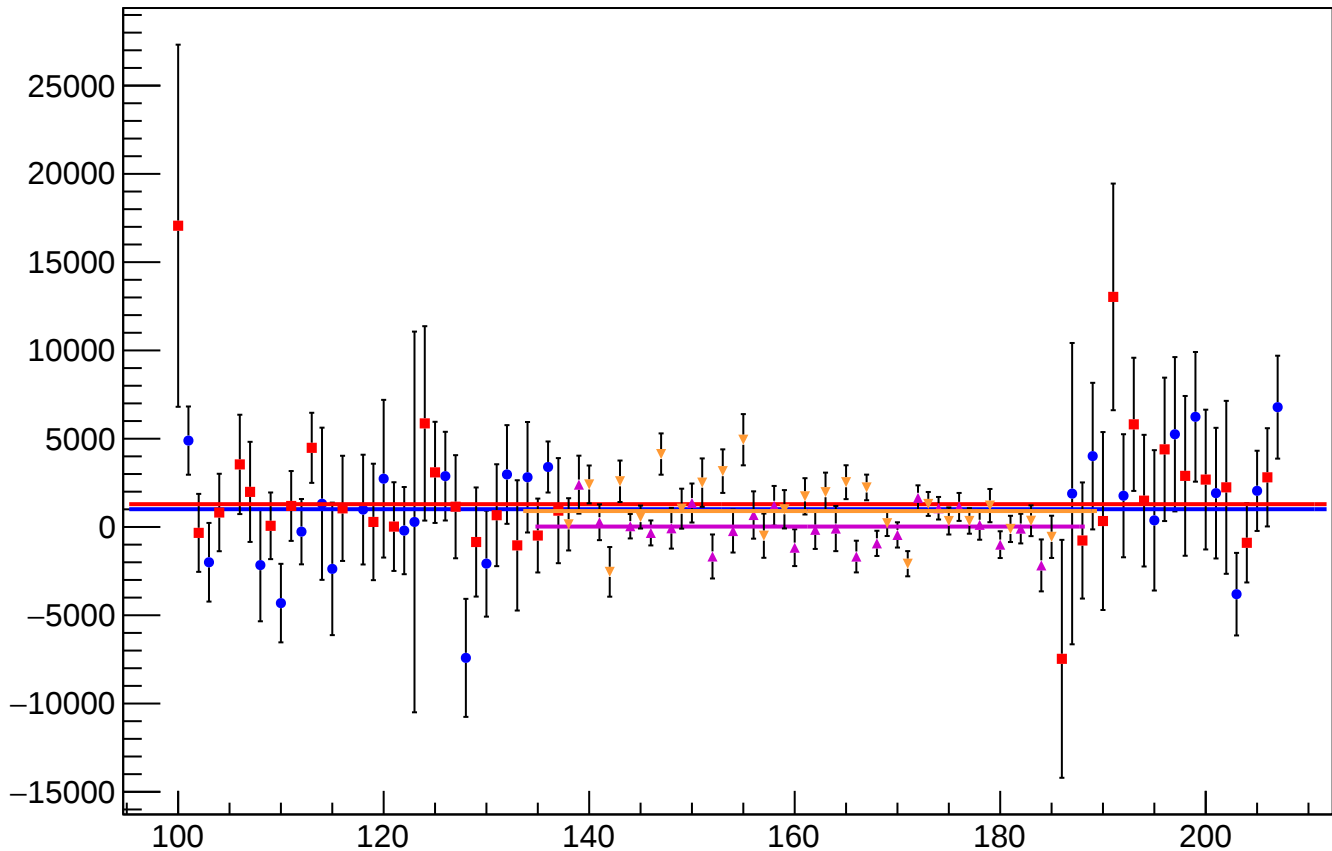
Left In: 2020.365 $\pm$ 0.345 χ^2 /NDF: 573483.0/22

+ sign 2310.405 $\pm$ 0.310 χ^2 /NDF: 8621362.1/51

All: 2337.726 $\pm$ 0.223 χ^2 /NDF: 18848485.5/100

- sign 2366.827 $\pm$ 0.320 χ^2 /NDF: 10211072.2/53

asym_sam3_mean vs Slug



Right In: 1007.280 ± 535.153 χ^2/NDF : 37.8/26

Left Out: 902.091 ± 185.850 χ^2/NDF : 63.5/24

Right Out: 1291.836 ± 526.996 χ^2/NDF : 18.8/30

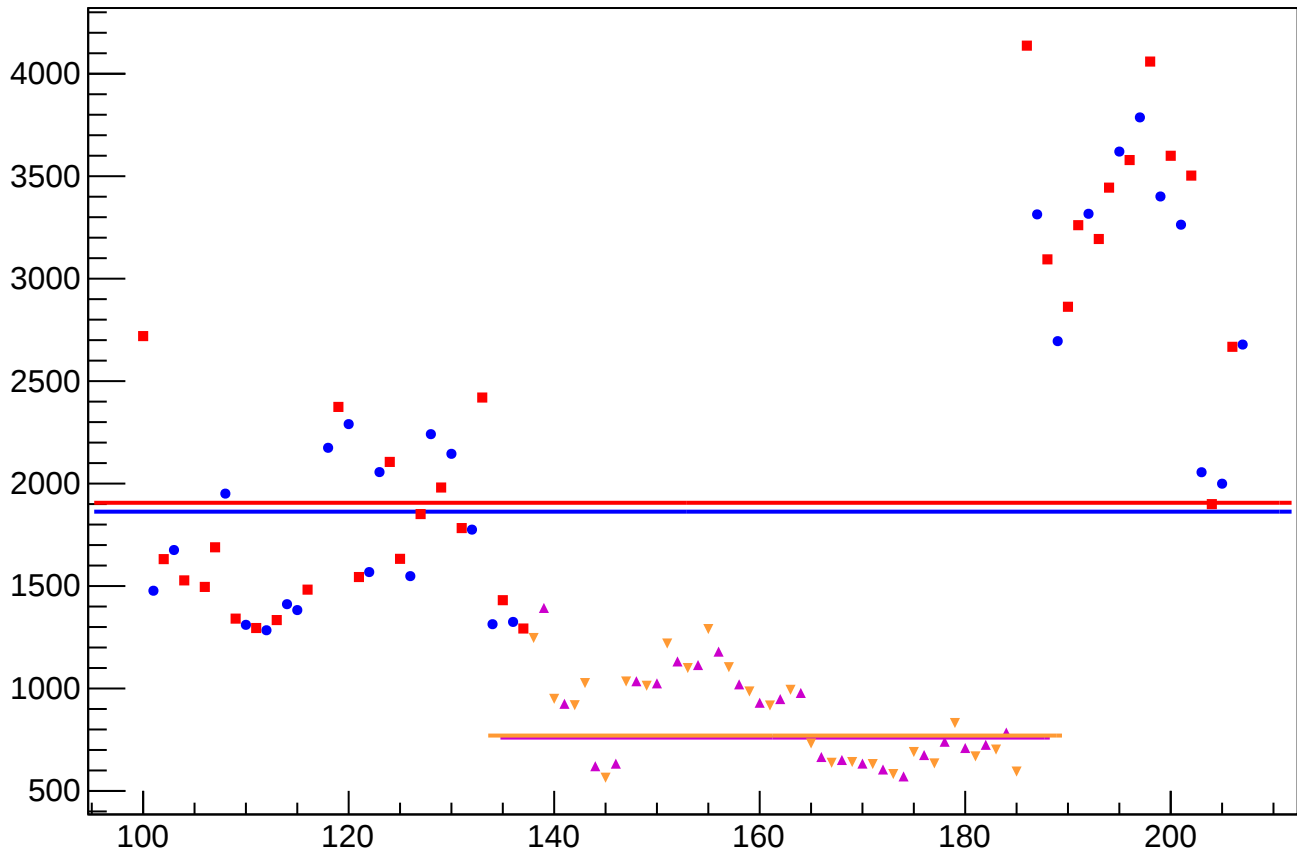
Left In: 23.529 ± 188.137 χ^2/NDF : 28.2/22

+ sign 913.412 ± 175.564 χ^2/NDF : 101.4/51

All: 543.584 ± 124.712 χ^2/NDF : 162.5/105

- sign 166.900 ± 177.184 χ^2/NDF : 52.2/53

asym_sam3_rms vs Slug



Right In: 1862.955 $\pm$ 0.378 χ^2 /NDF: 3030946.7/26

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF:2287655.1/24

Right Out: 1906.302 $\pm$ 0.373 χ^2 /NDF: 3804637.5/30

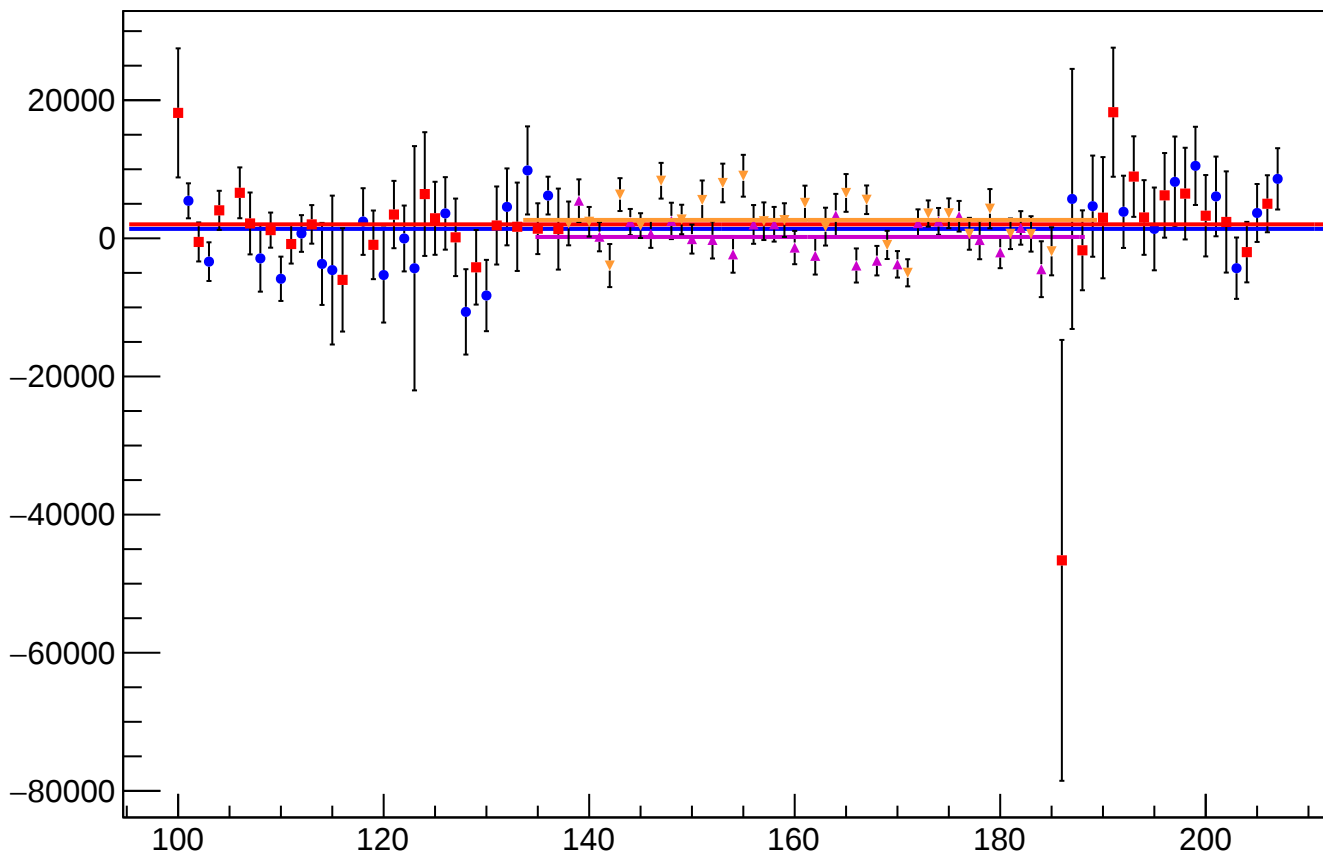
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF:1986749.8/22

+ sign 887.916 $\pm$ 0.124 χ^2 /NDF: 12758561.5/51

All: 888.894 $\pm$ 0.088 χ^2 /NDF: 26937906.1/10

- sign 889.891 $\pm$ 0.125 χ^2 /NDF: 14179219.1/53

asym_sam4_mean vs Slug



Right In: 1366.039 $\pm$ 866.310 χ^2 /NDF: 35.6/26

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF:49.2/24

Right Out: 2026.135 $\pm$ 818.315 χ^2 /NDF: 19.9/30

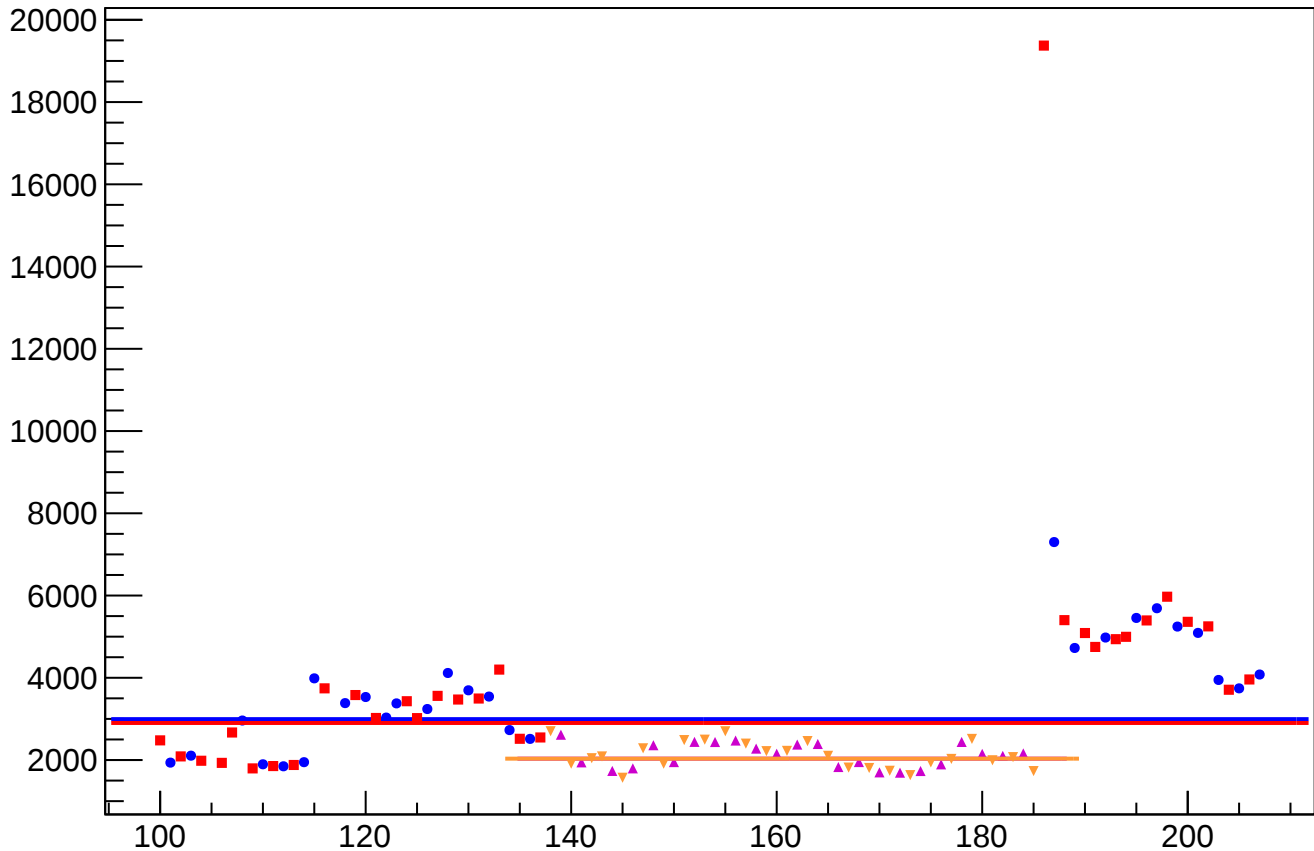
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF:25.8/22

+ sign 2360.560 $\pm$ 419.707 χ^2 /NDF: 86.6/51

All: 1526.520 $\pm$ 297.483 χ^2 /NDF: 143.8/105

- sign 684.509 $\pm$ 421.708 χ^2 /NDF: 49.3/53

asym_sam4_rms vs Slug



Right In: 2994.342 $\pm$ 0.613 χ^2 /NDF: 3488403.5/26

Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF:824062.2/24

+ sign 2258.902 $\pm$ 0.297 χ^2 /NDF: 6195924.0/51

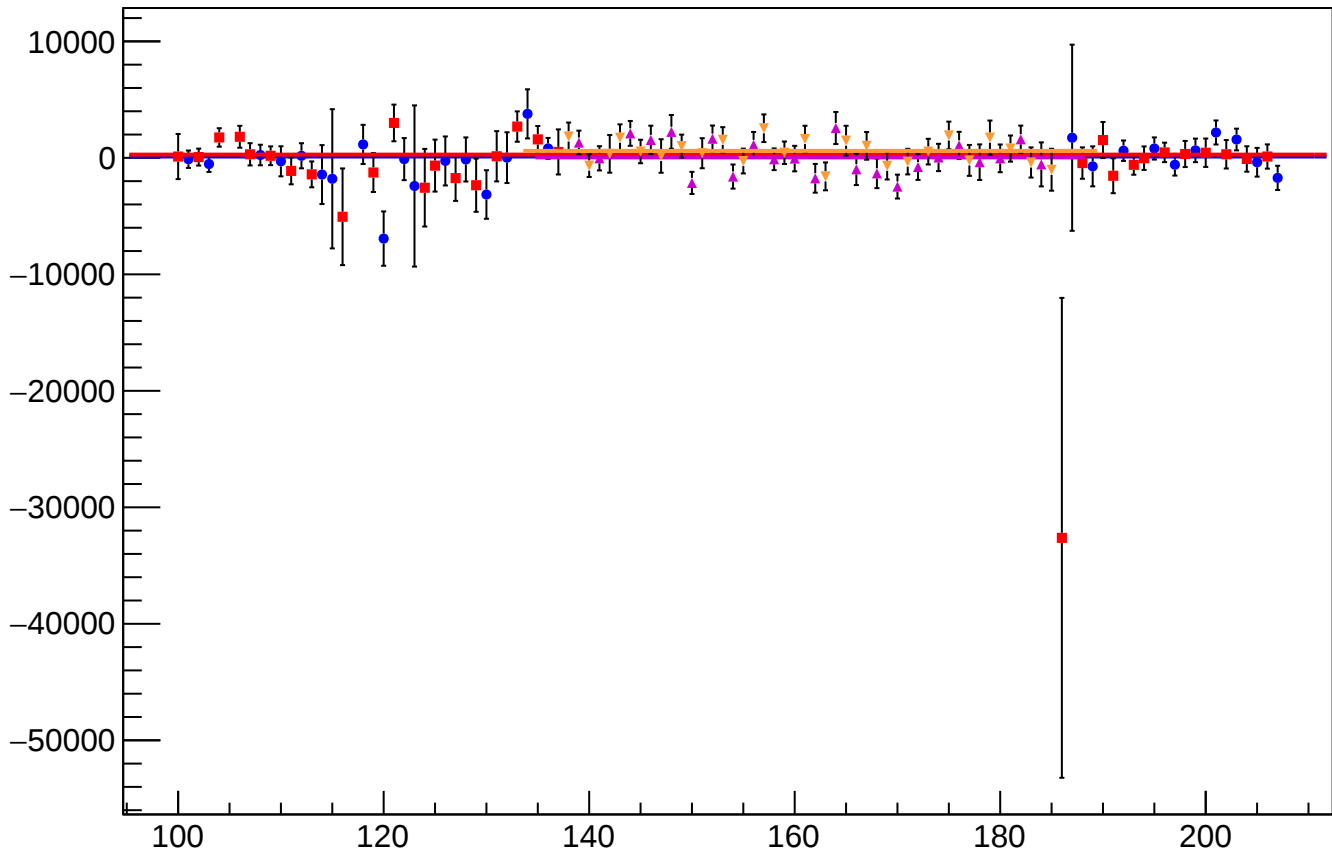
Right Out: 2901.253 $\pm$ 0.579 χ^2 /NDF: 4866409.6/30

All: 2261.106 $\pm$ 0.210 χ^2 /NDF: 13370123.6/133

- sign 2263.330 $\pm$ 0.298 χ^2 /NDF: 7174088.7/53

Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF:652763.7/22

asym_sam5_mean vs Slug



Right In: 115.919 $\pm$ 231.075 χ^2 /NDF: 29.1/26

Left Out: 600.005 $\pm$ 234.968 χ^2 /NDF: 18.5/24

Right Out: 277.901 $\pm$ 215.253 χ^2 /NDF: 29.8/30

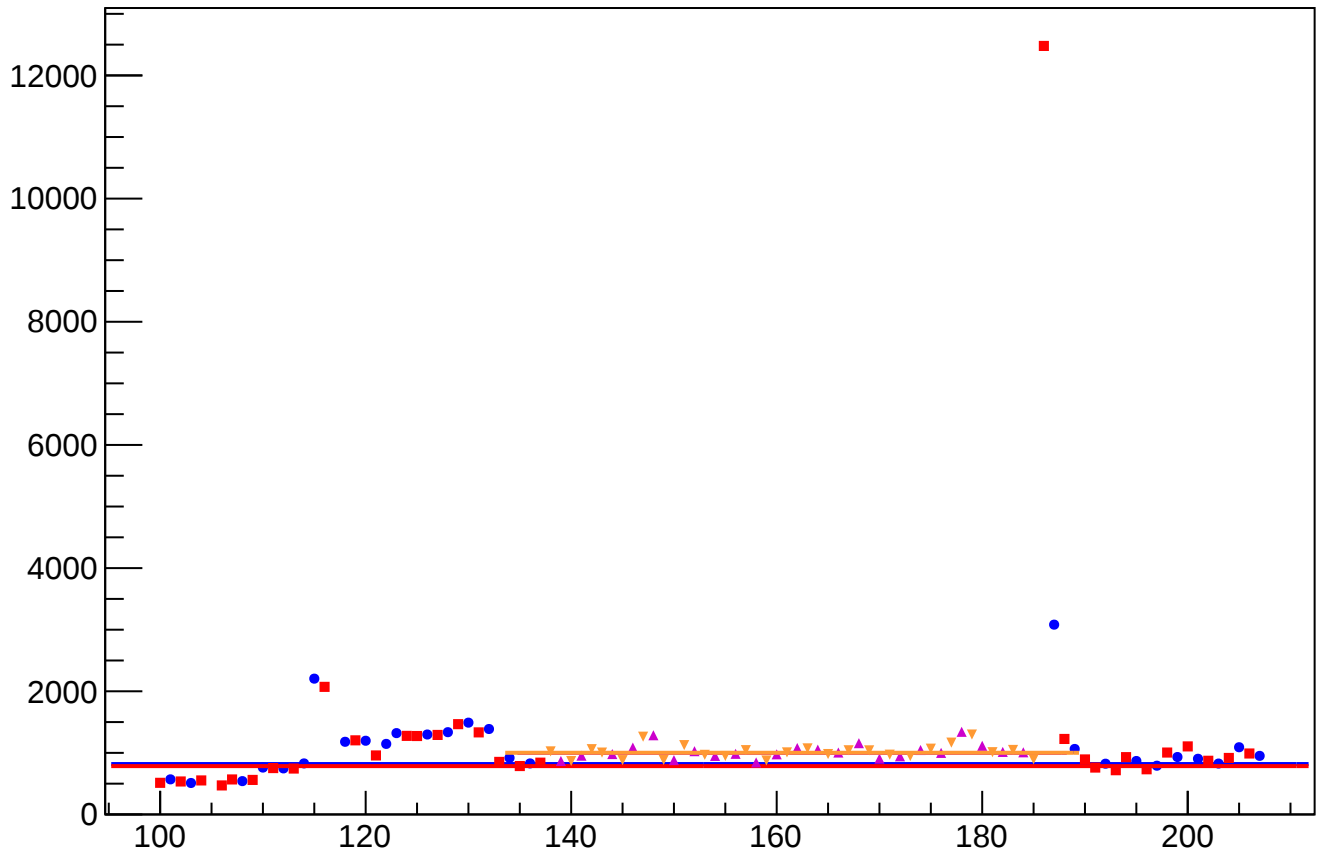
Left In: 41.559 $\pm$ 240.807 χ^2 /NDF: 36.4/22

+ sign 353.918 $\pm$ 164.754 χ^2 /NDF: 49.7/51

All: 261.049 $\pm$ 114.959 χ^2 /NDF: 117.1/105

- sign 172.932 $\pm$ 160.484 χ^2 /NDF: 66.7/53

asym_sam5_rms vs Slug



Right In: 818.504 $\pm$ 0.163 χ^2 /NDF: 2151558.0/26

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 784.840 $\pm$ 0.152 χ^2 /NDF: 3122946.7/30

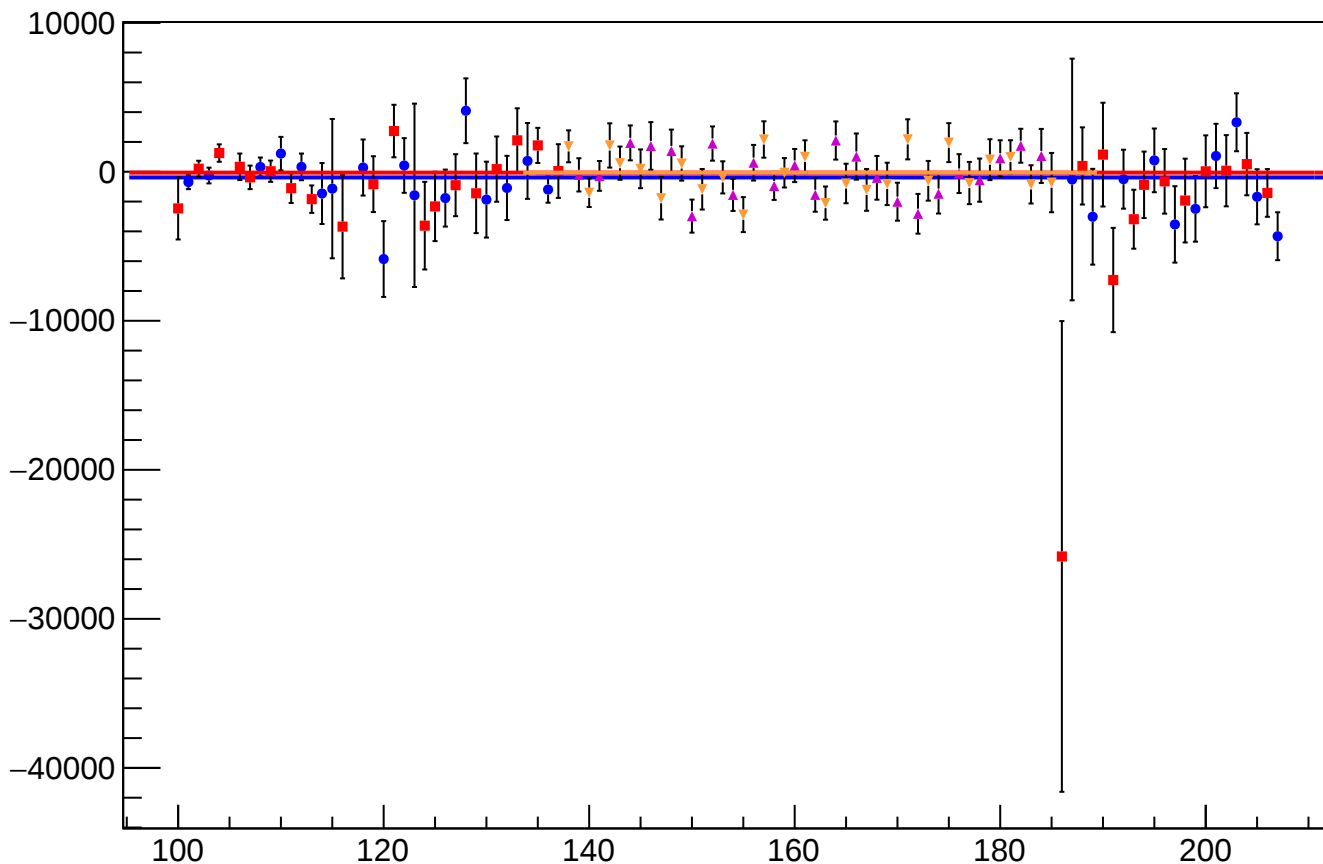
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 908.459 $\pm$ 0.116 χ^2 /NDF: 3138350.7/51

All: 893.618 $\pm$ 0.081 χ^2 /NDF: 7569085.4/105

- sign 879.536 $\pm$ 0.113 χ^2 /NDF: 4399105.4/53

asym_sam6_mean vs Slug



Right In: -381.671 ± 235.590 χ^2/NDF : 29.9/26

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -56.879 ± 232.022 χ^2/NDF : 32.9/30

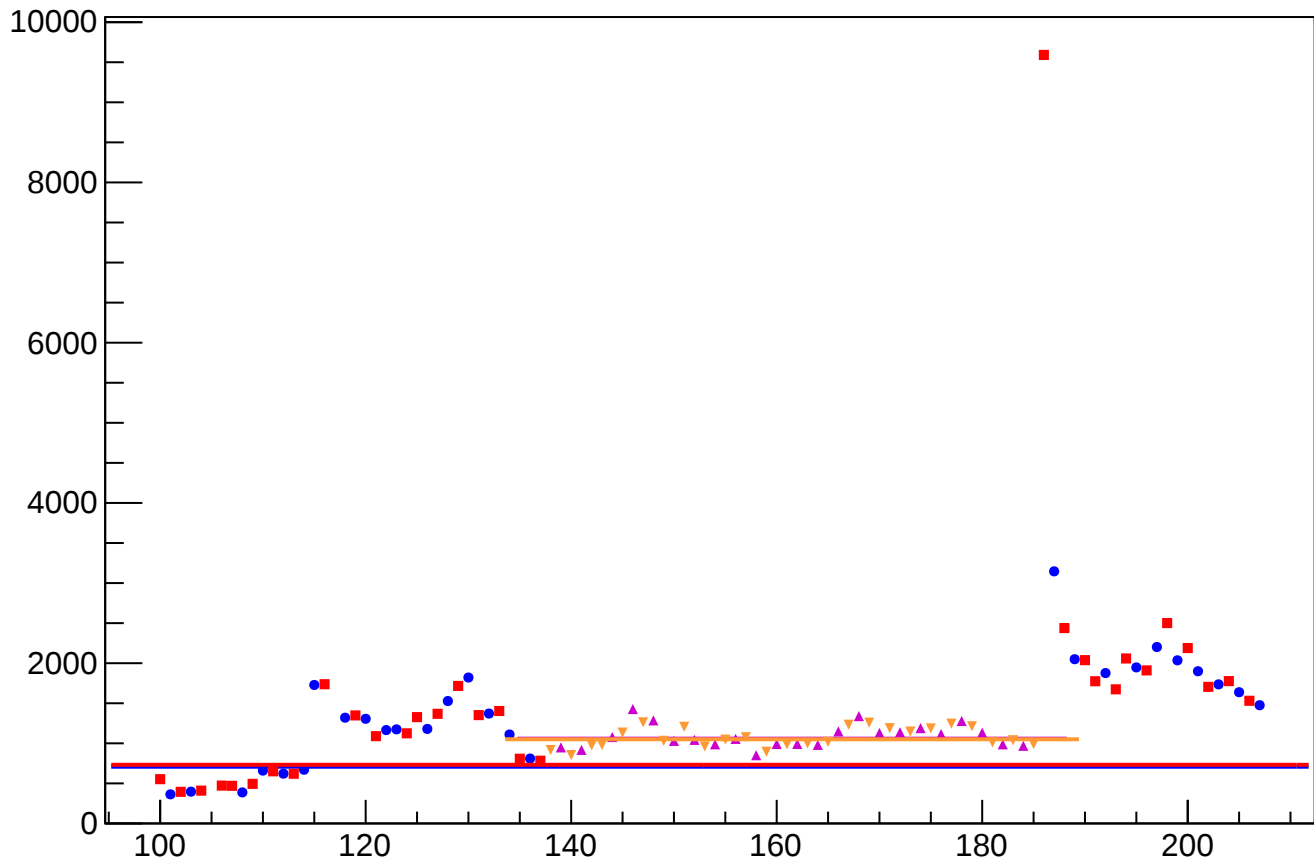
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -228.031 ± 170.315 χ^2/NDF : 61.8/51

All: -155.614 ± 120.931 χ^2/NDF : 129.9/105

- sign -81.981 ± 171.739 χ^2/NDF : 67.8/53

asym_sam6_rms vs Slug



Right In: 708.093 $\pm$ 0.167 χ^2 /NDF: 9335603.6/26

Left Out: 1050.649 $\pm$ 0.174 χ^2 /NDF: 483144.2/24

Right Out: 732.052 $\pm$ 0.164 χ^2 /NDF: 10093820.8/30

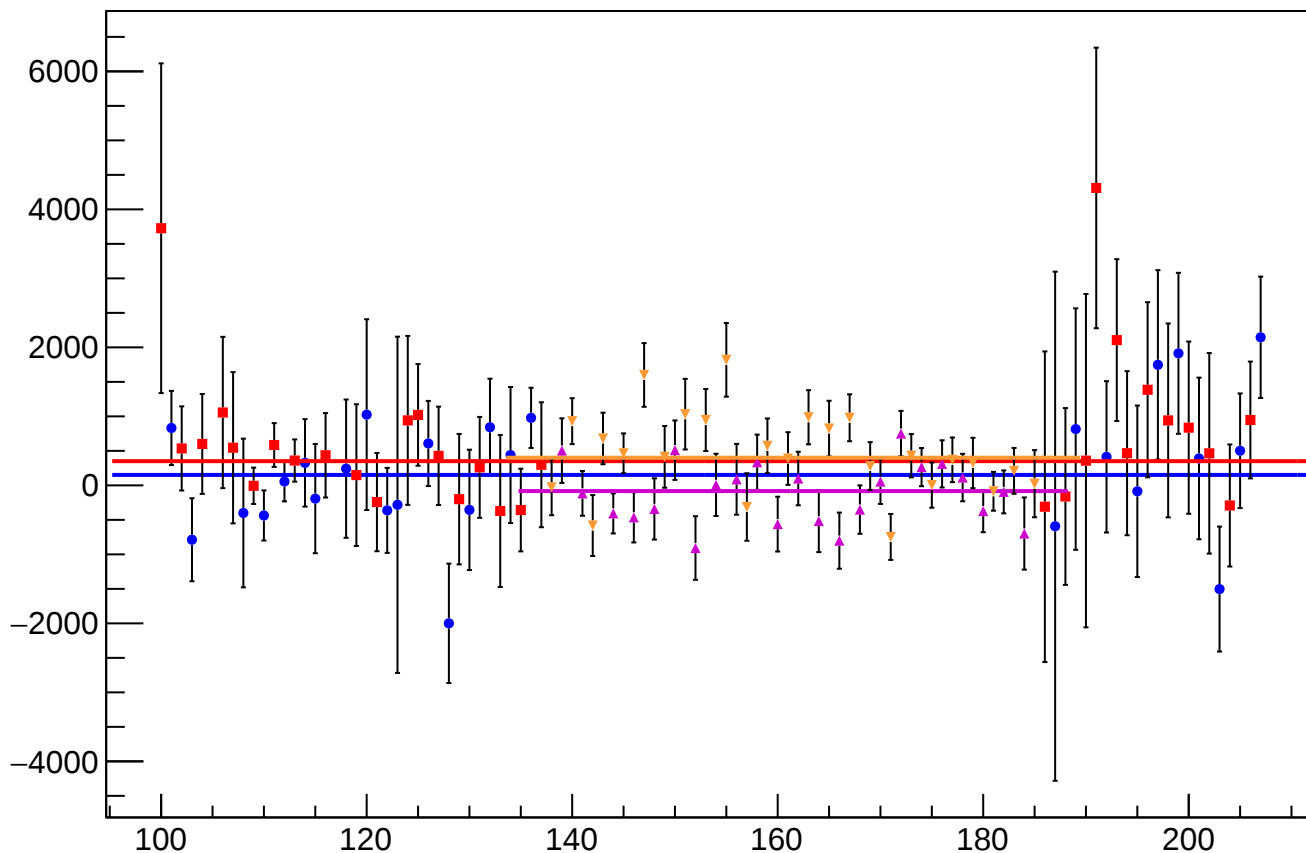
Left In: 1058.097 $\pm$ 0.181 χ^2 /NDF: 528574.7/22

+ sign 871.621 $\pm$ 0.120 χ^2 /NDF: 11837295.1/51

All: 875.511 $\pm$ 0.086 χ^2 /NDF: 24247411.4/10

- sign 879.467 $\pm$ 0.121 χ^2 /NDF: 12408011.5/53

asym_sam7_mean vs Slug



Right In: 151.511 ± 132.976 χ^2/NDF : 32.7/26

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 350.980 ± 122.250 χ^2/NDF : 17.4/30

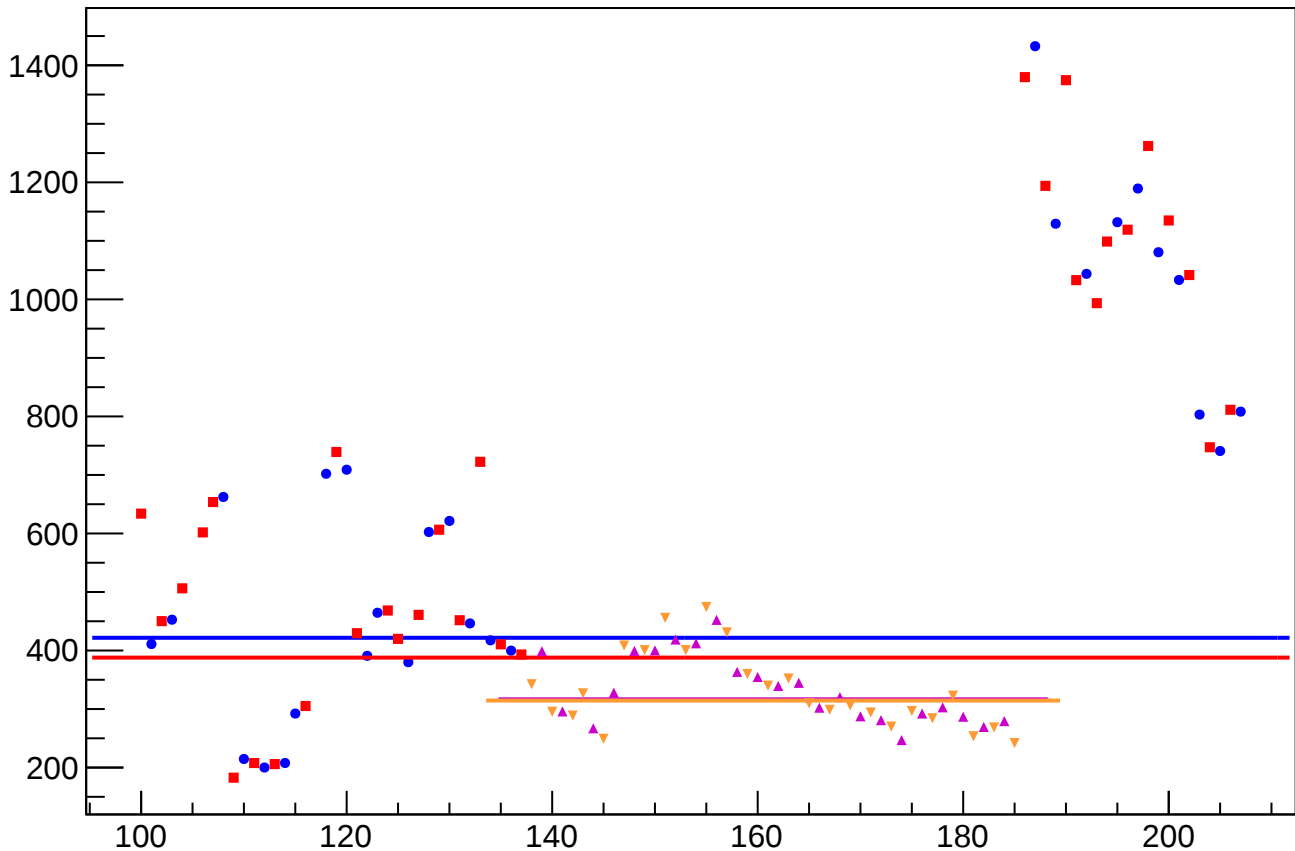
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 341.332 ± 65.025 χ^2/NDF : 87.5/51

All: 190.890 ± 46.005 χ^2/NDF : 153.6/105

- sign 40.125 ± 65.095 χ^2/NDF : 55.4/53

asym_sam7_rms vs Slug



Right In: 421.764 $\pm$ 0.094 χ^2 /NDF: 7297389.1/26

Left Out: 314.538 $\pm$ 0.053 χ^2 /NDF:1112445.6/24

Right Out: 387.888 $\pm$ 0.086 χ^2 /NDF: 9827545.8/30

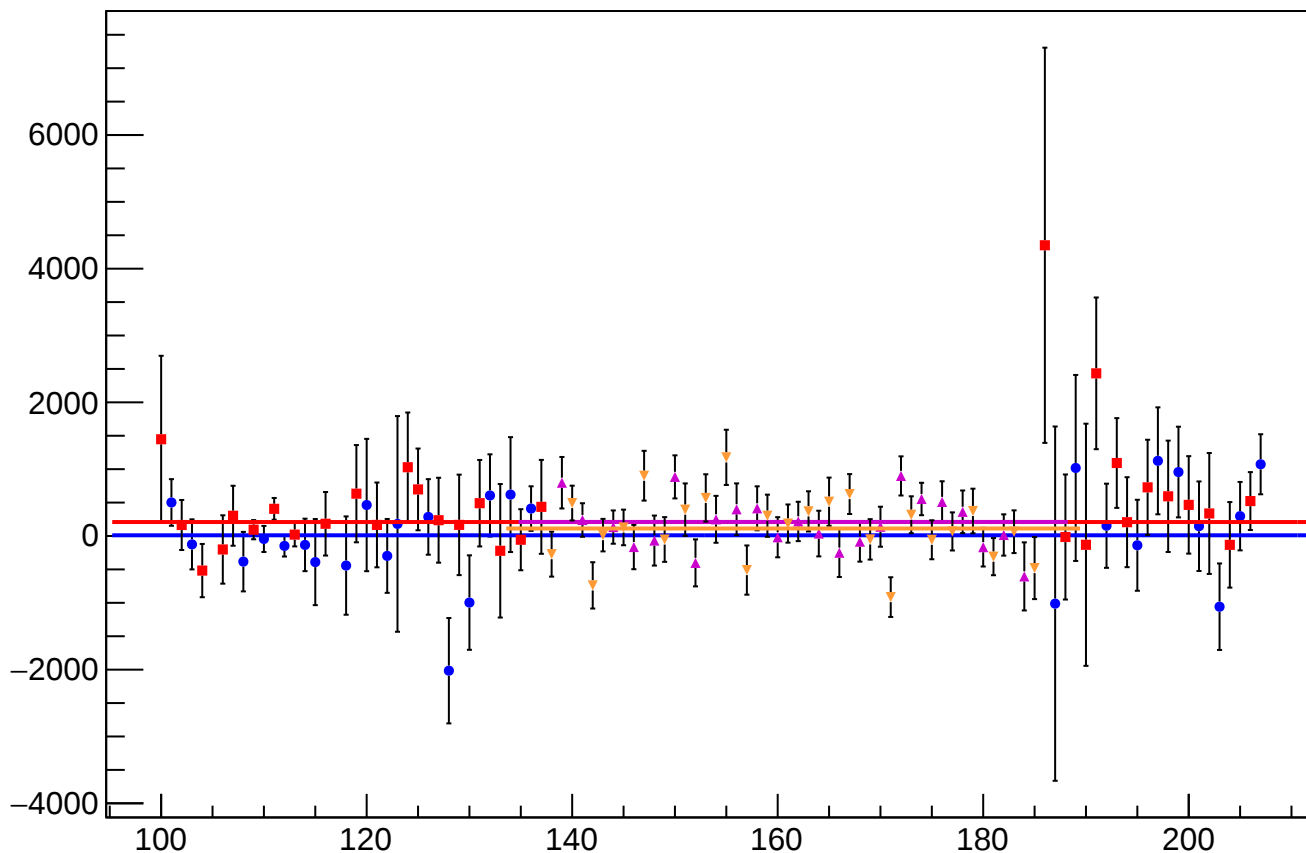
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF:920874.0/22

+ sign 340.178 $\pm$ 0.046 χ^2 /NDF: 9399289.4/51

All: 338.514 $\pm$ 0.033 χ^2 /NDF: 20636953.9/10

- sign 336.846 $\pm$ 0.046 χ^2 /NDF: 11235040.6/53

asym_sam8_mean vs Slug



Right In: 10.565 ± 83.324 χ^2/NDF : 30.5/26

Left Out: 112.242 ± 62.643 χ^2/NDF : 49.1/24

Right Out: 208.905 ± 72.576 χ^2/NDF : 20.4/30

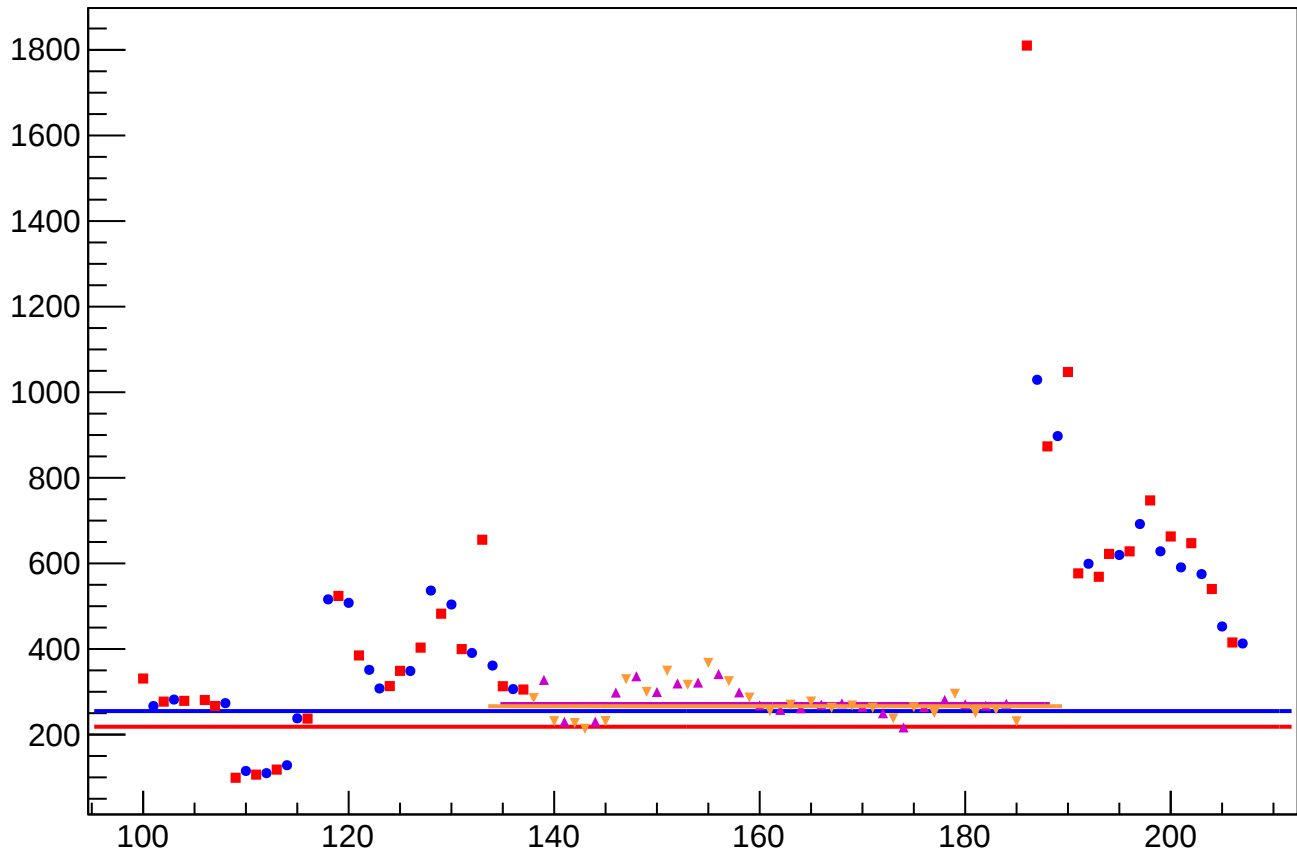
Left In: 210.453 ± 65.510 χ^2/NDF : 29.2/22

+ sign 75.526 ± 50.071 χ^2/NDF : 80.6/51

All: 144.602 ± 34.885 χ^2/NDF : 133.8/105

- sign 209.758 ± 48.630 χ^2/NDF : 49.5/53

asym_sam8_rms vs Slug



Right In: 254.902 $\pm$ 0.059 χ^2 /NDF: 8615910.5/26

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 218.315 $\pm$ 0.051 χ^2 /NDF: 11845263.1/30

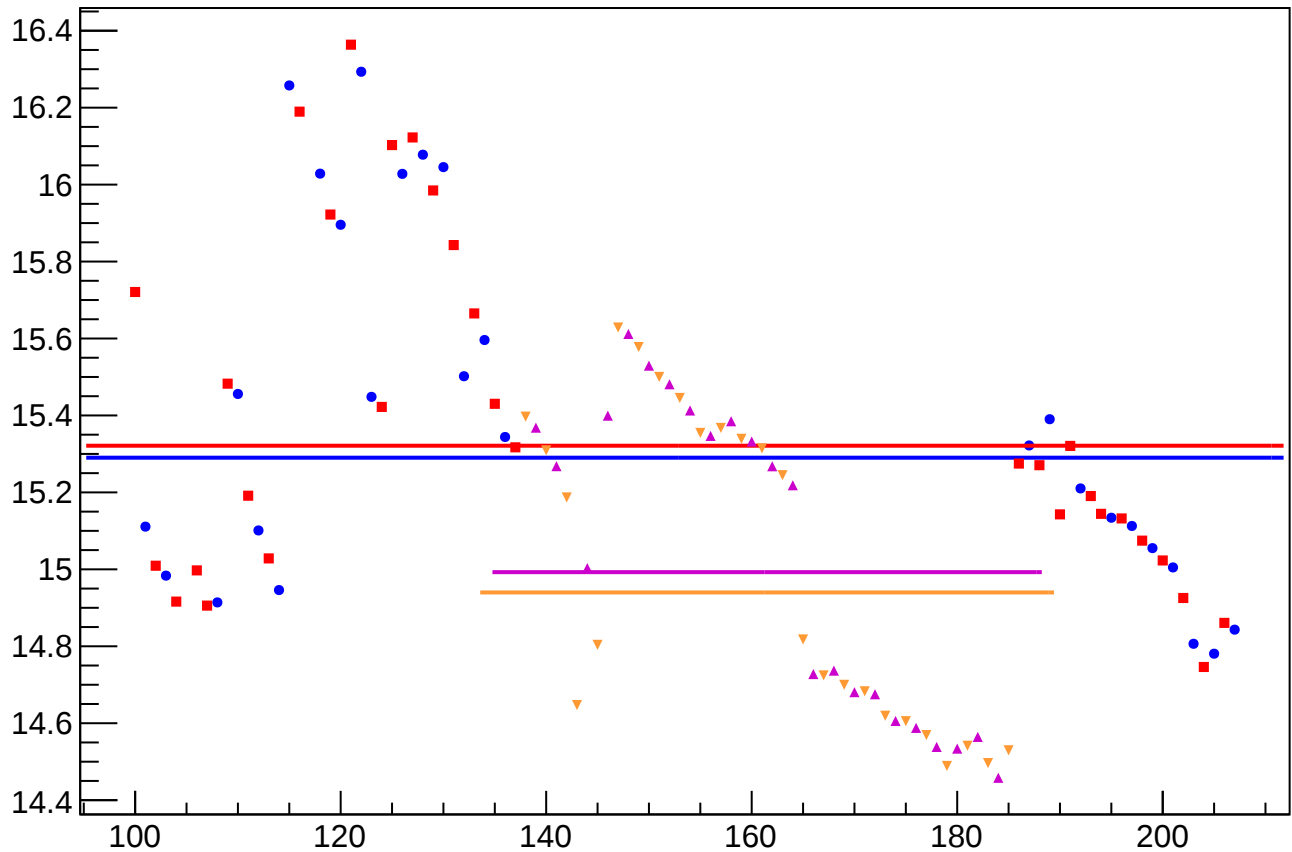
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 262.125 $\pm$ 0.035 χ^2 /NDF: 9289063.1/51

All: 254.637 $\pm$ 0.025 χ^2 /NDF: 22333054.0/10

- sign 247.575 $\pm$ 0.034 χ^2 /NDF: 12957087.2/53

yield_sam1_mean vs Slug



Right In: 15.290+/-0.000 χ^2/NDF : 14199342965.9/26

Left Out: 14.940+/-0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.321+/-0.000 χ^2/NDF : 13397977916.2/30

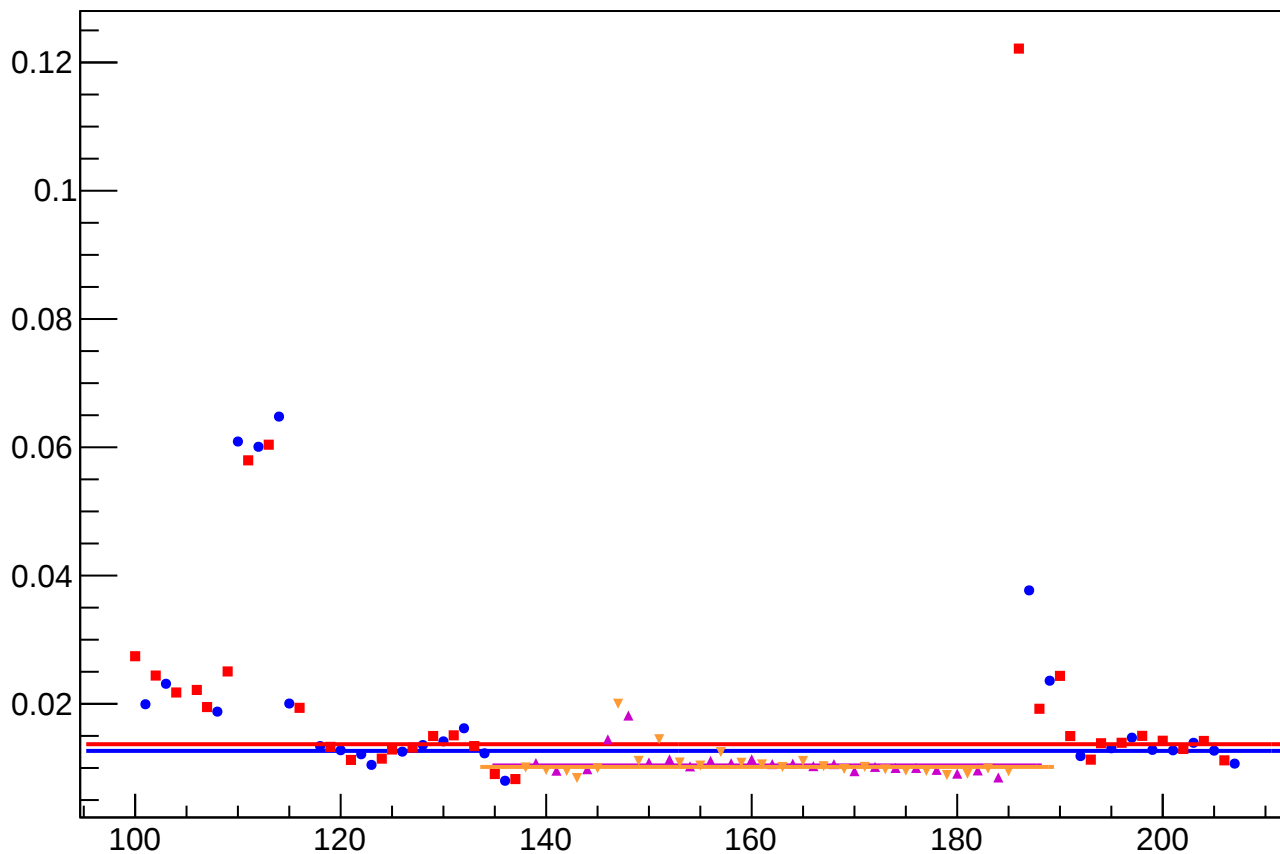
Left In: 14.993+/-0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.047+/-0.000 χ^2/NDF : 44697928579.1/51

All: 15.070+/-0.000 χ^2/NDF : 85429865204.9

- sign 15.094+/-0.000 χ^2/NDF : 40483089084.5/53

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 2555560.7/26

Left Out: 0.010+/-0.000 χ^2/NDF : 717351.4/24

Right Out: 0.014+/-0.000 χ^2/NDF : 3087238.7/30

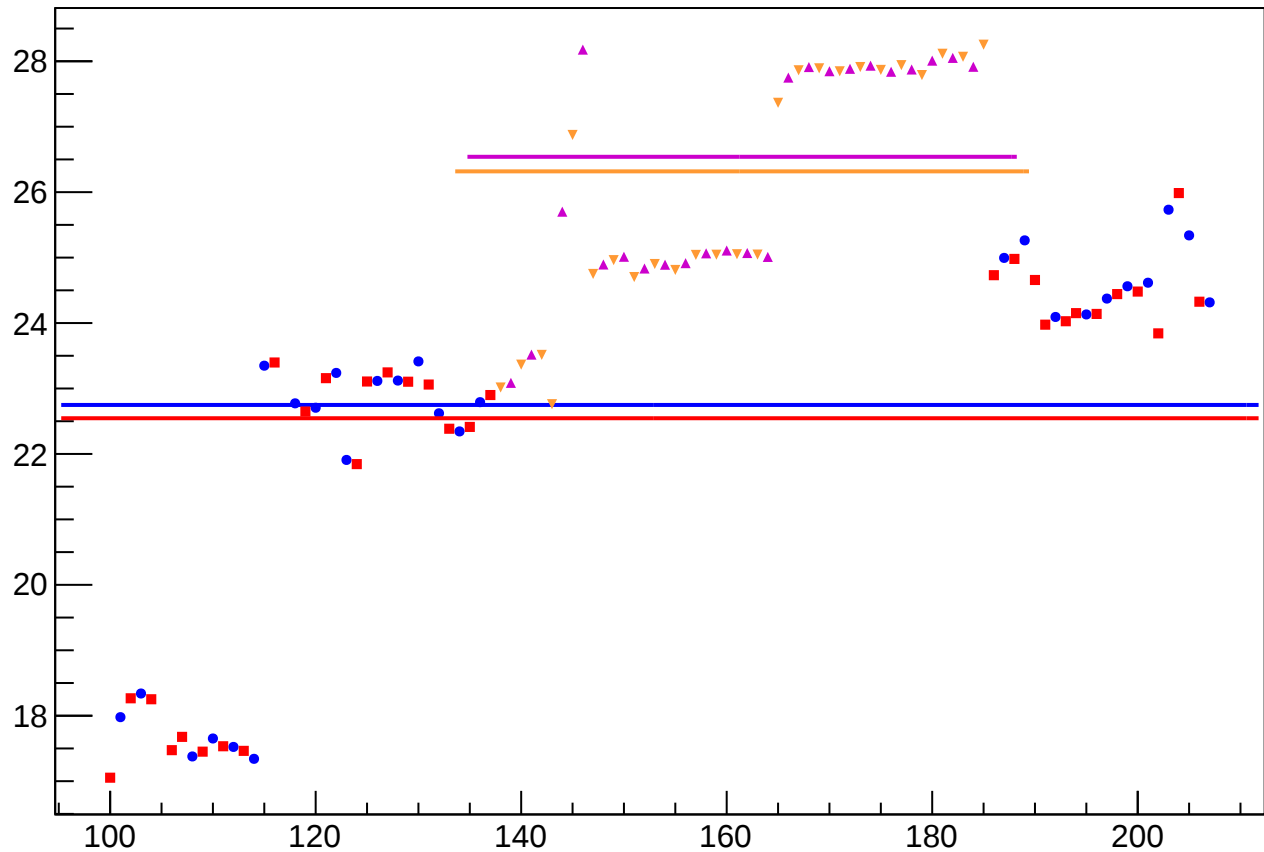
Left In: 0.010+/-0.000 χ^2/NDF : 544268.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 3914689.5/51

All: 0.011+/-0.000 χ^2/NDF : 8627045.3/105

- sign 0.011+/-0.000 χ^2/NDF : 4658009.7/53

yield_sam2_mean vs Slug



Right In: 22.749+/-0.000 χ^2 /NDF: 1310927132.1/26

Left Out: 26.318+/-0.000 χ^2 /NDF: 4715403741.0/24

Right Out: 22.546+/-0.000 χ^2 /NDF: 1498495290.8/30

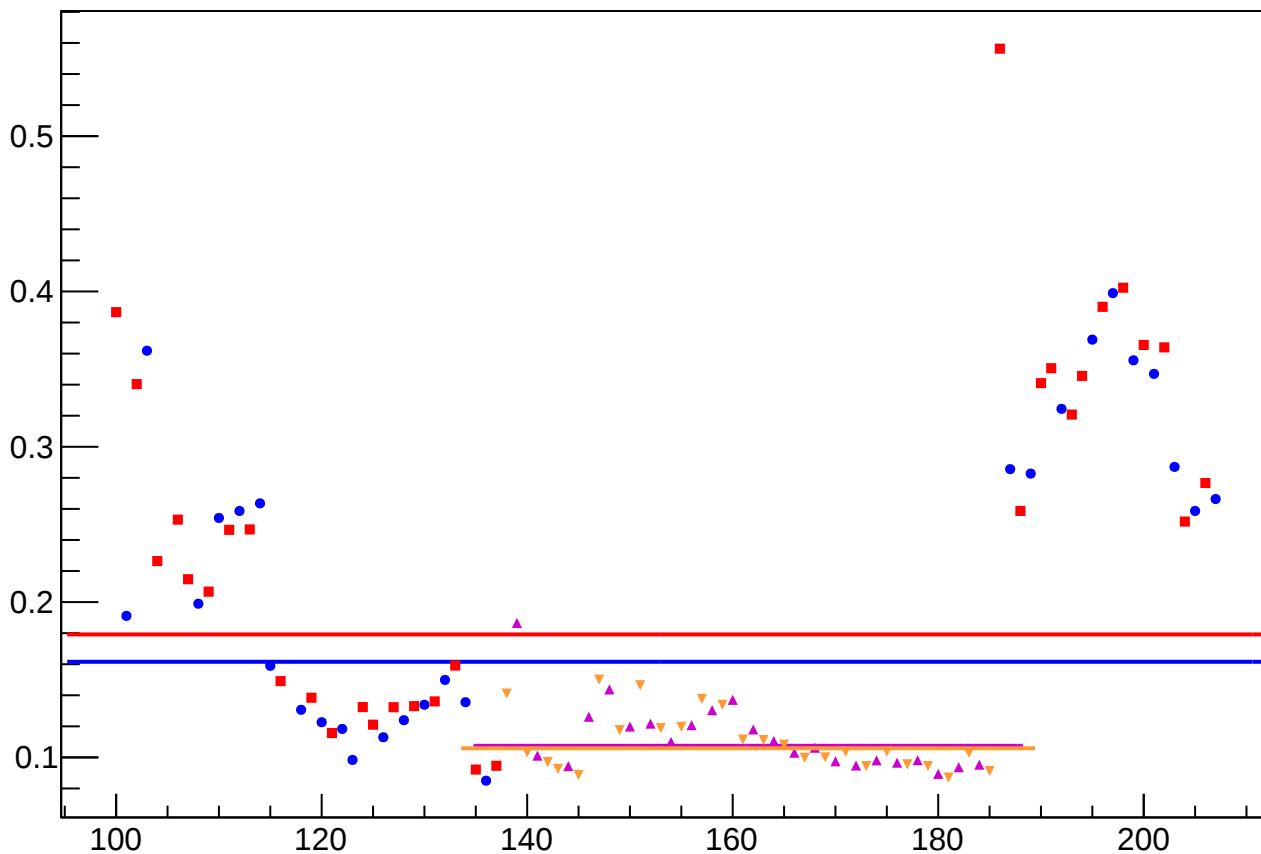
Left In: 26.540+/-0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.557+/-0.000 χ^2 /NDF: 9855918745.9/51

All: 25.621+/-0.000 χ^2 /NDF: 19075146344.4

- sign 25.691+/-0.000 χ^2 /NDF: 9203817221.5/53

yield_sam2_rms vs Slug



Right In: 0.162 $\pm$ 0.000 χ^2 /NDF: 5611722.9/26

Left Out: 0.106 $\pm$ 0.000 χ^2 /NDF:732883.8/24

Right Out: 0.179 $\pm$ 0.000 χ^2 /NDF: 5632150.9/30

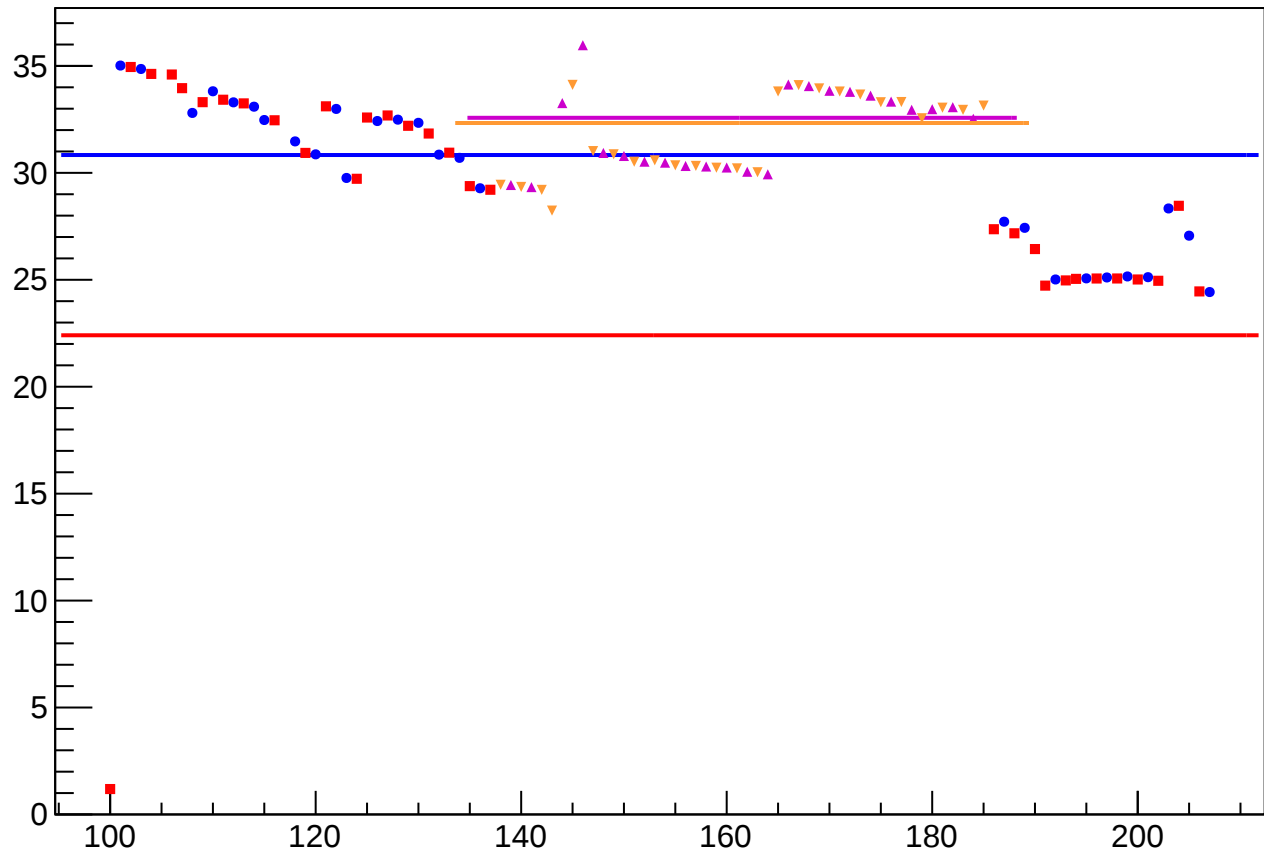
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF:771132.0/22

+ sign 0.118 $\pm$ 0.000 χ^2 /NDF: 8209306.5/51

All: 0.120 $\pm$ 0.000 χ^2 /NDF: 17488178.6/105

- sign 0.123 $\pm$ 0.000 χ^2 /NDF: 9236587.8/53

yield_sam3_mean vs Slug



Right In: 30.834+/-0.000 χ^2 /NDF: 6460112094.5/26

Left Out: 32.331+/-0.000 χ^2 /NDF:12850475096.2/24

Right Out: 22.406+/-0.000 χ^2 /NDF: 232100712057.5/30

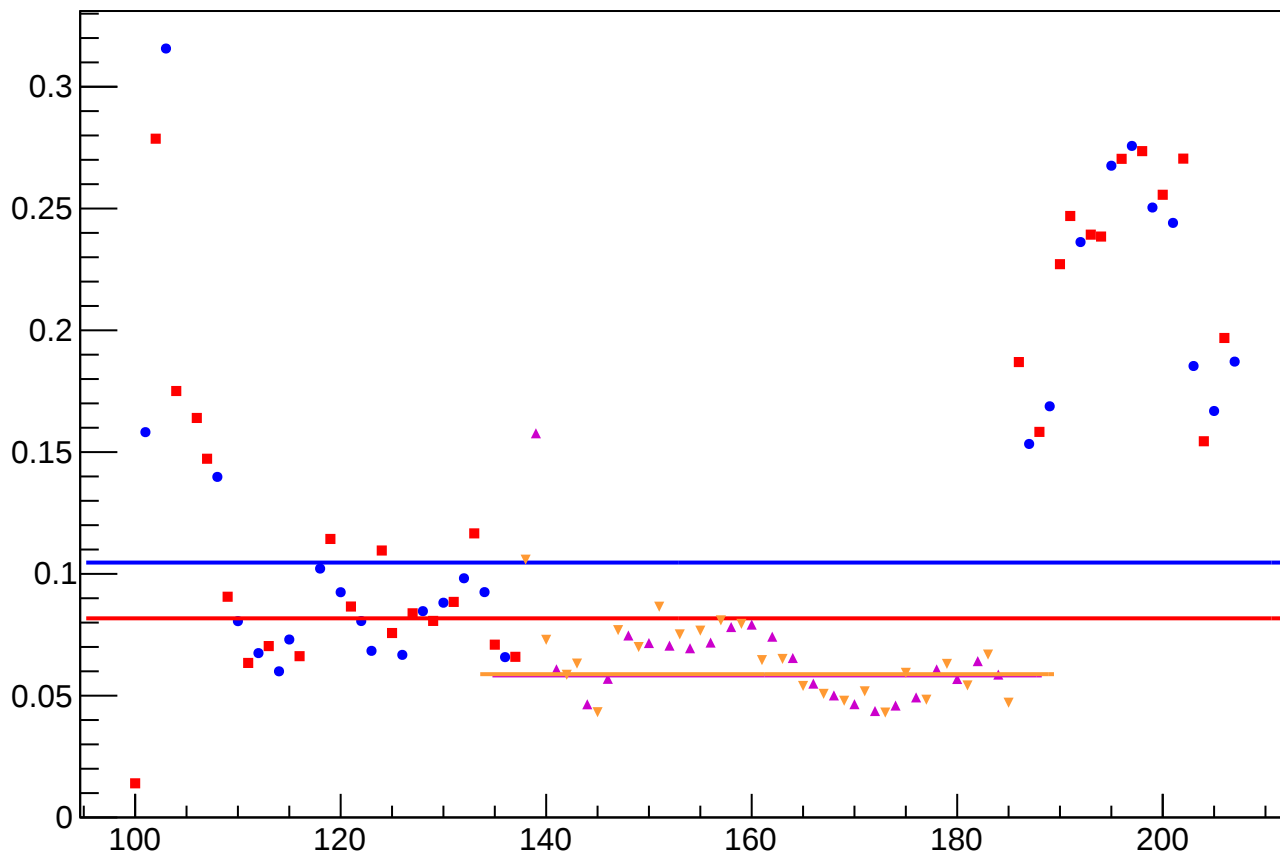
Left In: 32.574+/-0.000 χ^2 /NDF:11797772603.7/22

+ sign 32.068+/-0.000 χ^2 /NDF: 20924816513.0/51

All: 31.086+/-0.000 χ^2 /NDF: 371261179419.

- sign 30.140+/-0.000 χ^2 /NDF: 340928190711.4/53

yield_sam3_rms vs Slug



Right In: 0.105+/-0.000 χ^2/NDF : 5631515.2/26

Left Out: 0.059+/-0.000 χ^2/NDF :1402605.2/24

Right Out: 0.082+/-0.000 χ^2/NDF : 10623091.7/30

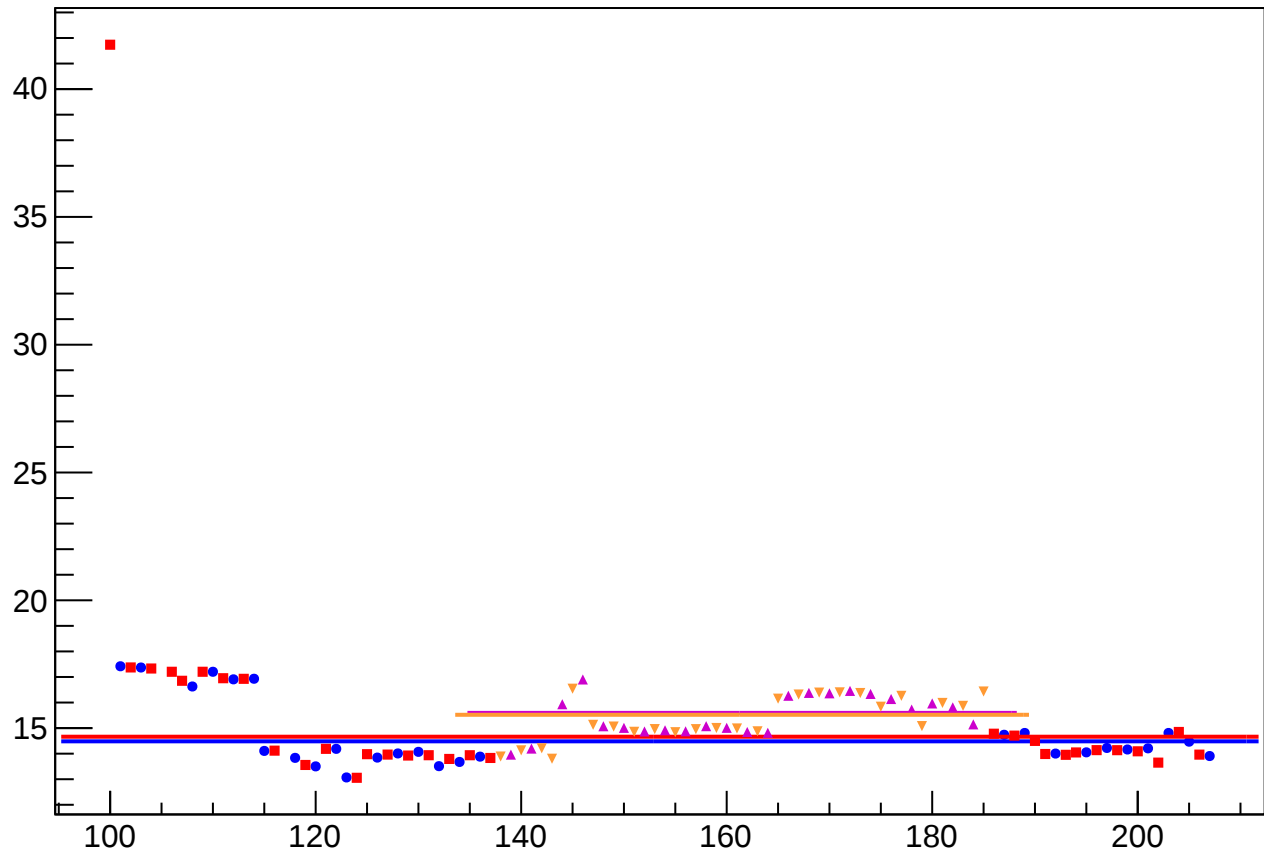
Left In: 0.058+/-0.000 χ^2/NDF :1525476.4/22

+ sign 0.067+/-0.000 χ^2/NDF : 10058438.9/51

All: 0.065+/-0.000 χ^2/NDF : 23282415.9/105

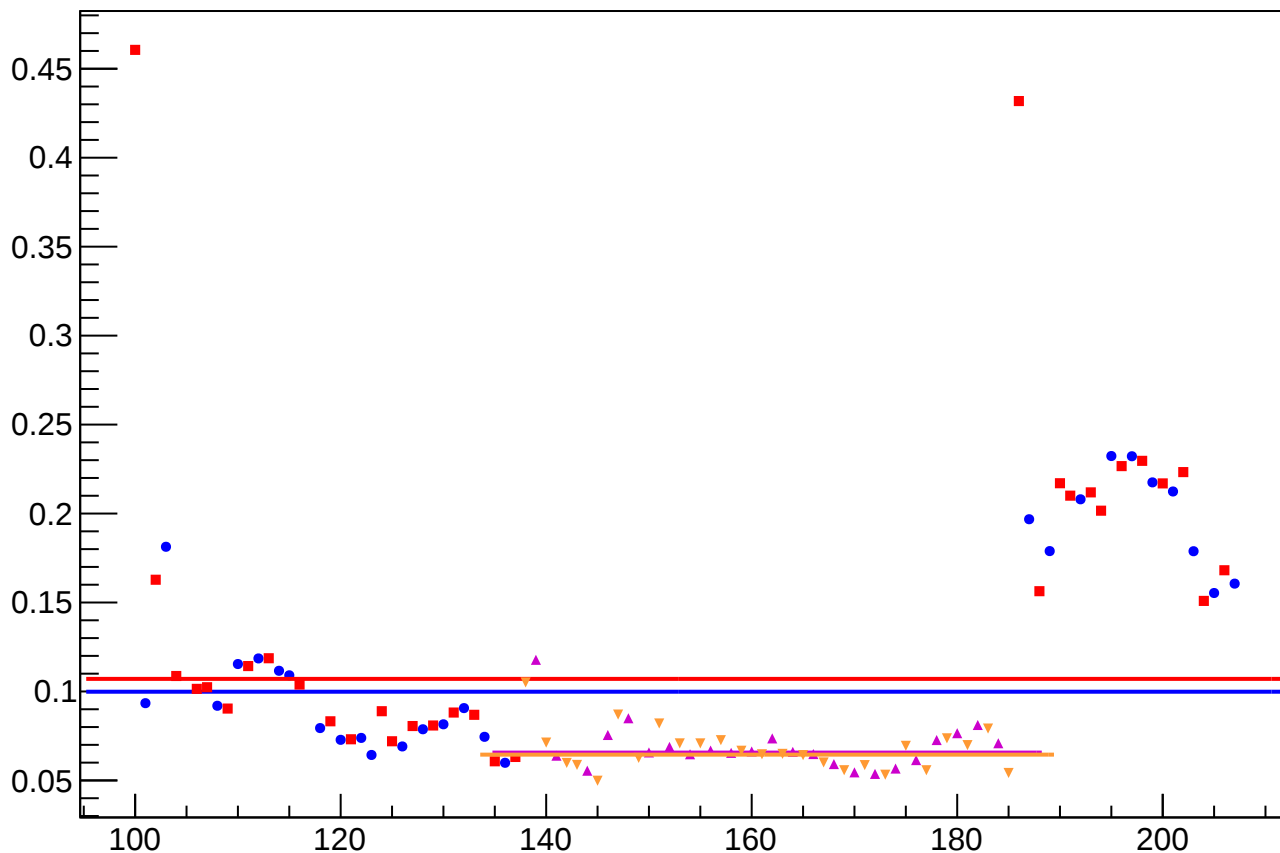
- sign 0.064+/-0.000 χ^2/NDF : 13179661.1/53

yield_sam4_mean vs Slug



Right In: 14.482+/-0.000	χ^2/NDF : 1513248042.4/26	+ sign 15.294+/-0.000	χ^2/NDF : 4987227198.8/51
Left Out: 15.521+/-0.000	χ^2/NDF : 2591377740.5/24	All: 15.338+/-0.000	χ^2/NDF : 9560327835.1/100
Right Out: 14.663+/-0.000	χ^2/NDF : 1969872407.1/30	- sign 15.384+/-0.000	χ^2/NDF : 4554415803.8/53
Left In: 15.595+/-0.000	χ^2/NDF : 1908733580.5/22		

yield_sam4_rms vs Slug



Right In: 0.100 ± 0.000 χ^2/NDF : 4801543.9/26

Left Out: 0.064 ± 0.000 χ^2/NDF : 761552.3/24

Right Out: 0.107 ± 0.000 χ^2/NDF : 4978081.2/30

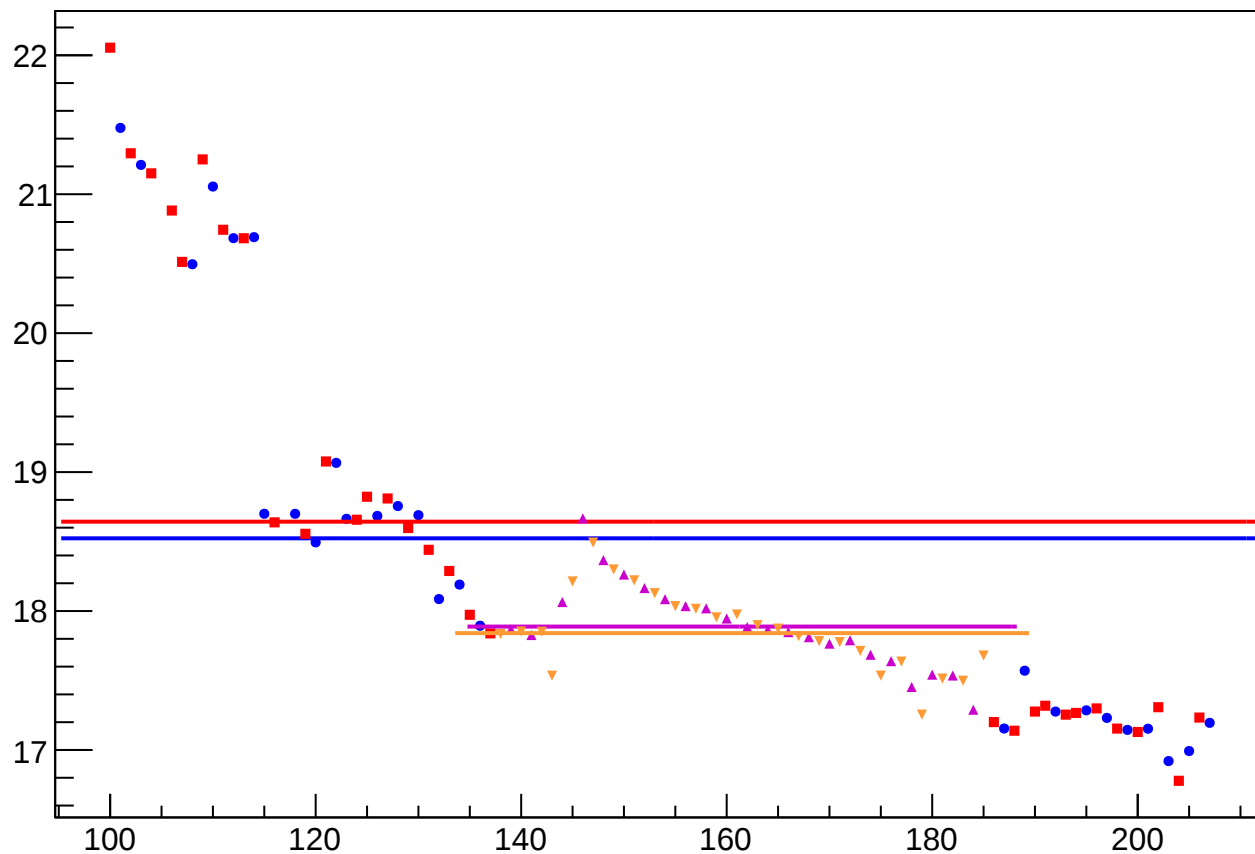
Left In: 0.066 ± 0.000 χ^2/NDF : 714703.1/22

+ sign 0.072 ± 0.000 χ^2/NDF : 7609468.3/51

All: 0.074 ± 0.000 χ^2/NDF : 16008156.8/105

- sign 0.075 ± 0.000 χ^2/NDF : 8362345.7/53

yield_sam5_mean vs Slug



Right In: 18.523+/-0.000 χ^2/NDF : 30148095659.4/26

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 18.643+/-0.000 χ^2/NDF : 32273974031.9/30

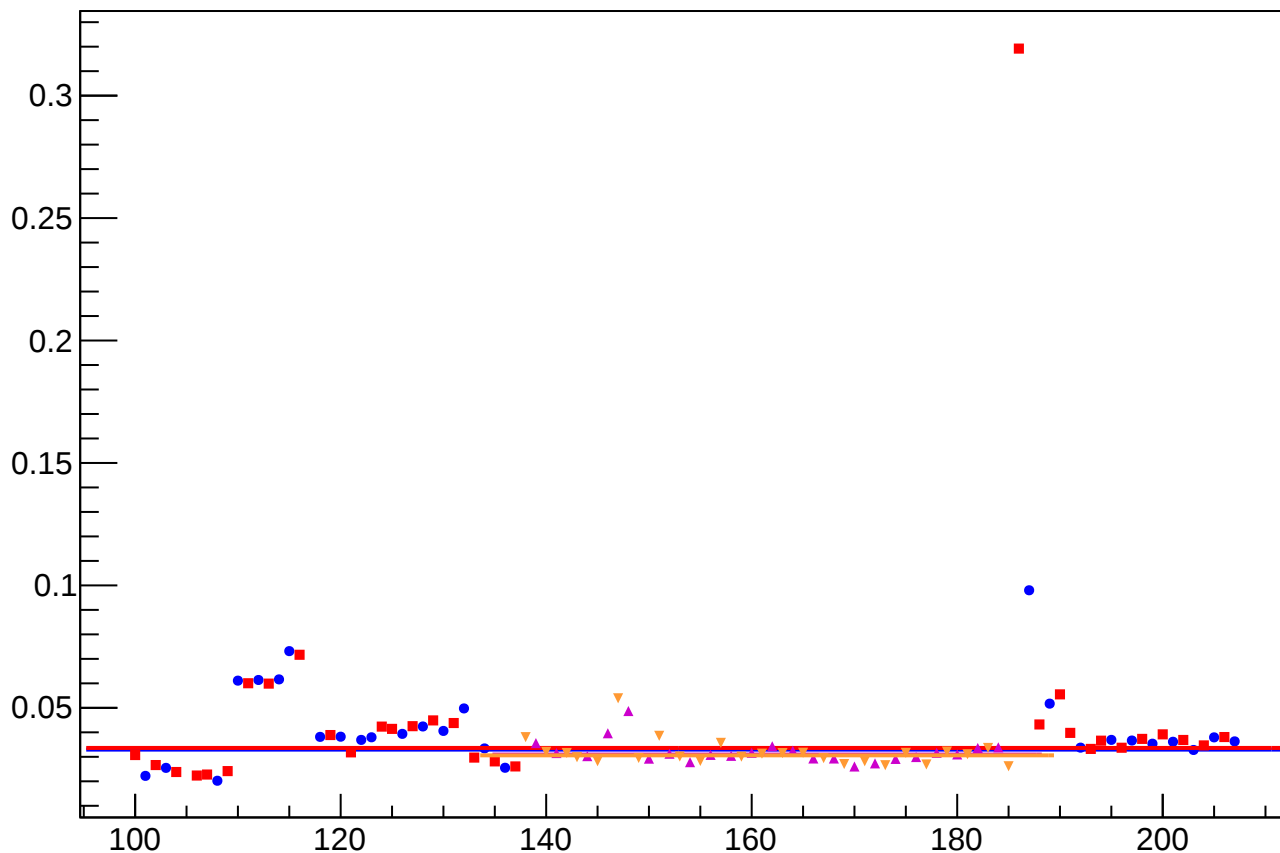
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.098+/-0.000 χ^2/NDF : 34702429676.9/51

All: 18.144+/-0.000 χ^2/NDF : 72265593478.7

- sign 18.190+/-0.000 χ^2/NDF : 37437911457.9/53

yield_sam5_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 1735502.1/26

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 2158724.6/30

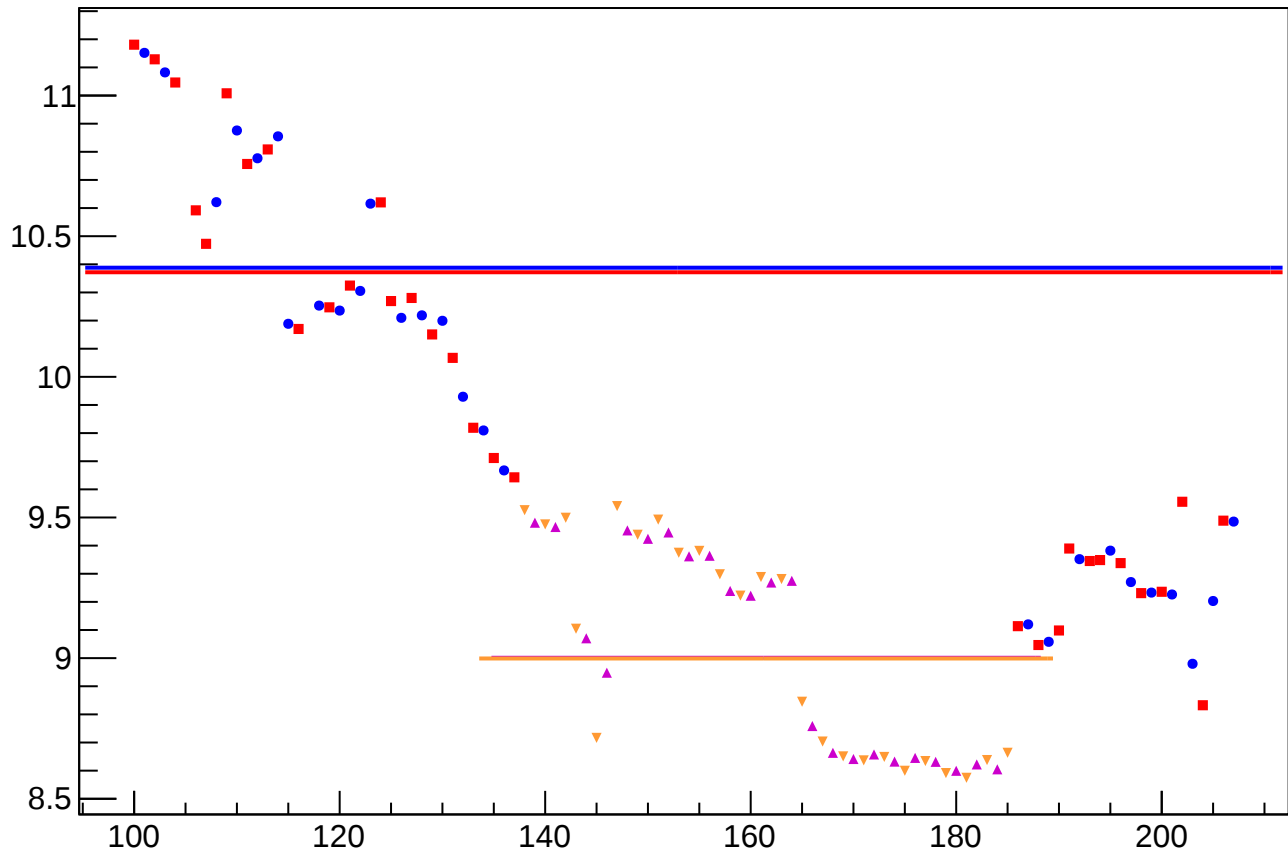
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 2403046.7/51

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 5125980.1/105

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2715511.0/53

yield_sam6_mean vs Slug



Right In: 10.388 $\pm$ 0.000 χ^2 /NDF: 14238597324.4/26

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.372 $\pm$ 0.000 χ^2 /NDF: 12838773266.1/30

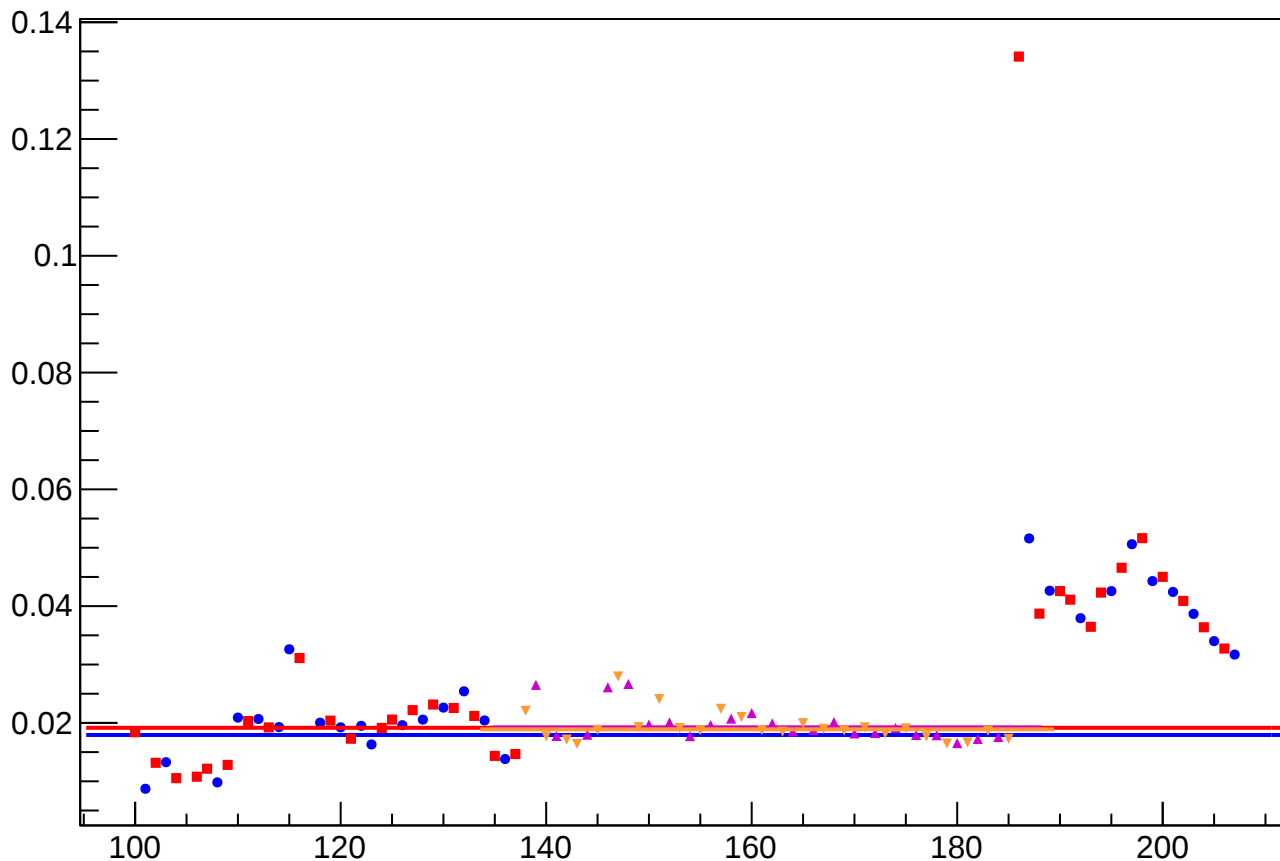
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.546 $\pm$ 0.000 χ^2 /NDF: 56349915207.6/51

All: 9.555 $\pm$ 0.000 χ^2 /NDF: 107577621806.2

- sign 9.565 $\pm$ 0.000 χ^2 /NDF: 51214506758.6/53

yield_sam6_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 6363716.9/26

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:428169.5/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 6506060.7/30

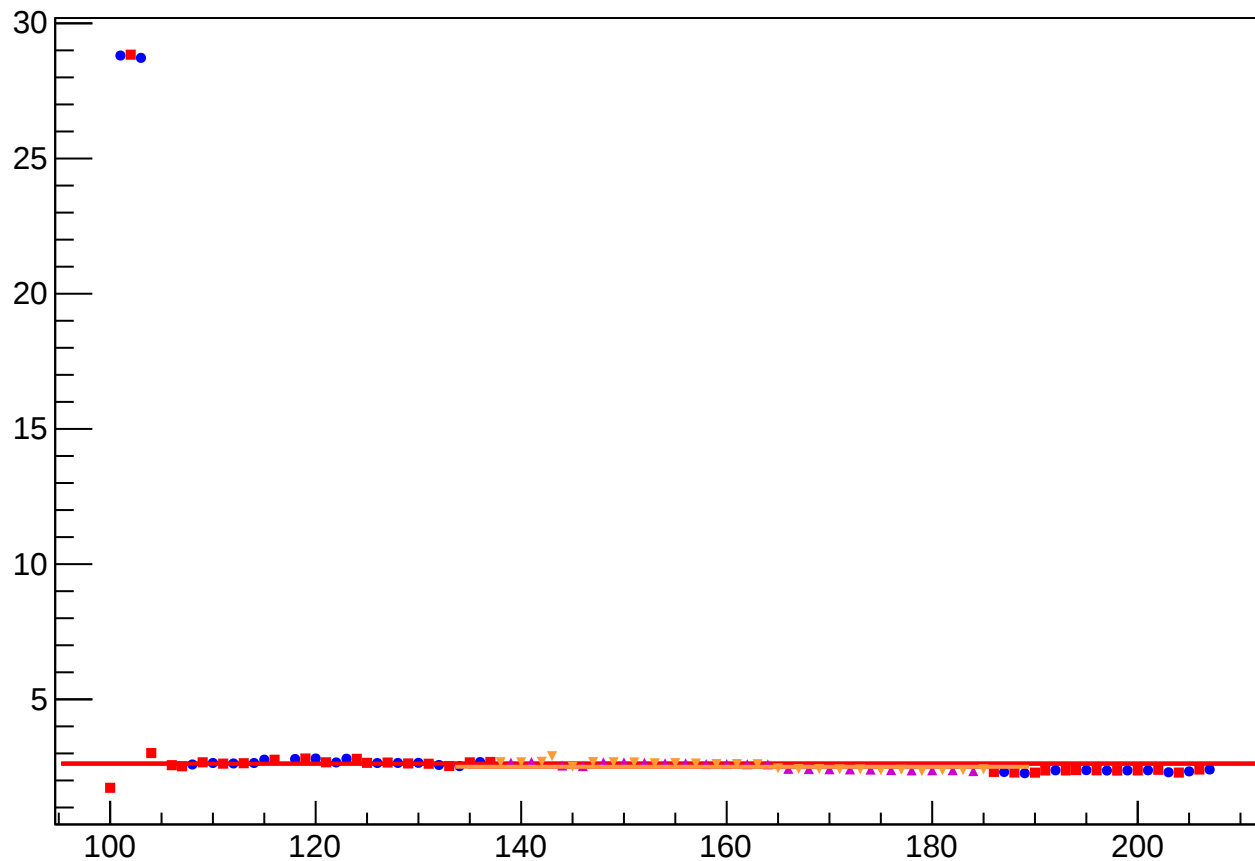
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:481824.0/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 6826076.4/51

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 13848949.4/105

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 6988009.3/53

yield_sam7_mean vs Slug



Right In: 2.626 $\pm$ 0.000 χ^2 /NDF: 179350950768.2/26

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.620 $\pm$ 0.000 χ^2 /NDF: 88733184501.7/30

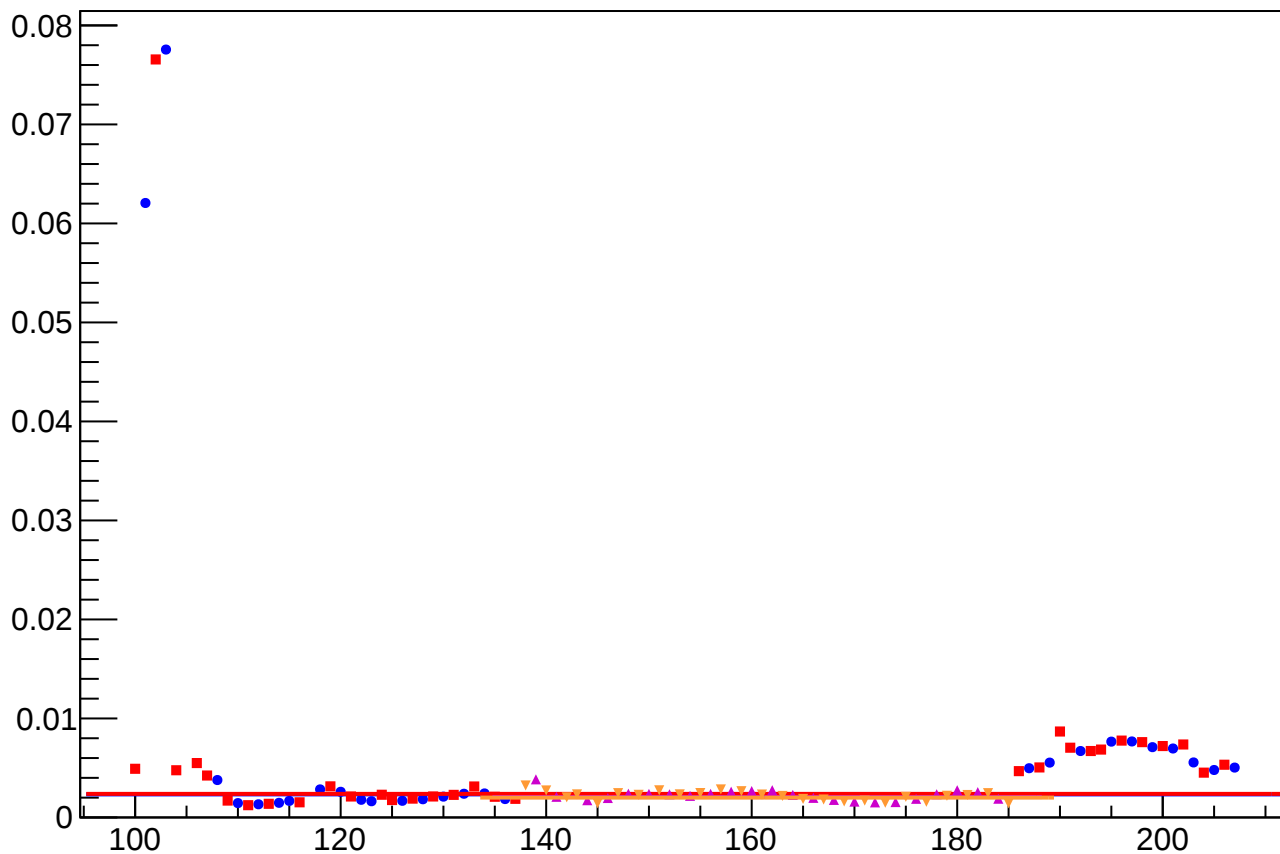
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.542 $\pm$ 0.000 χ^2 /NDF: 258972504953.4/51

All: 2.543 $\pm$ 0.000 χ^2 /NDF: 404987525562.2

- sign 2.543 $\pm$ 0.000 χ^2 /NDF: 146010817043.7/53

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 8801394.3/26

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 9170240.7/30

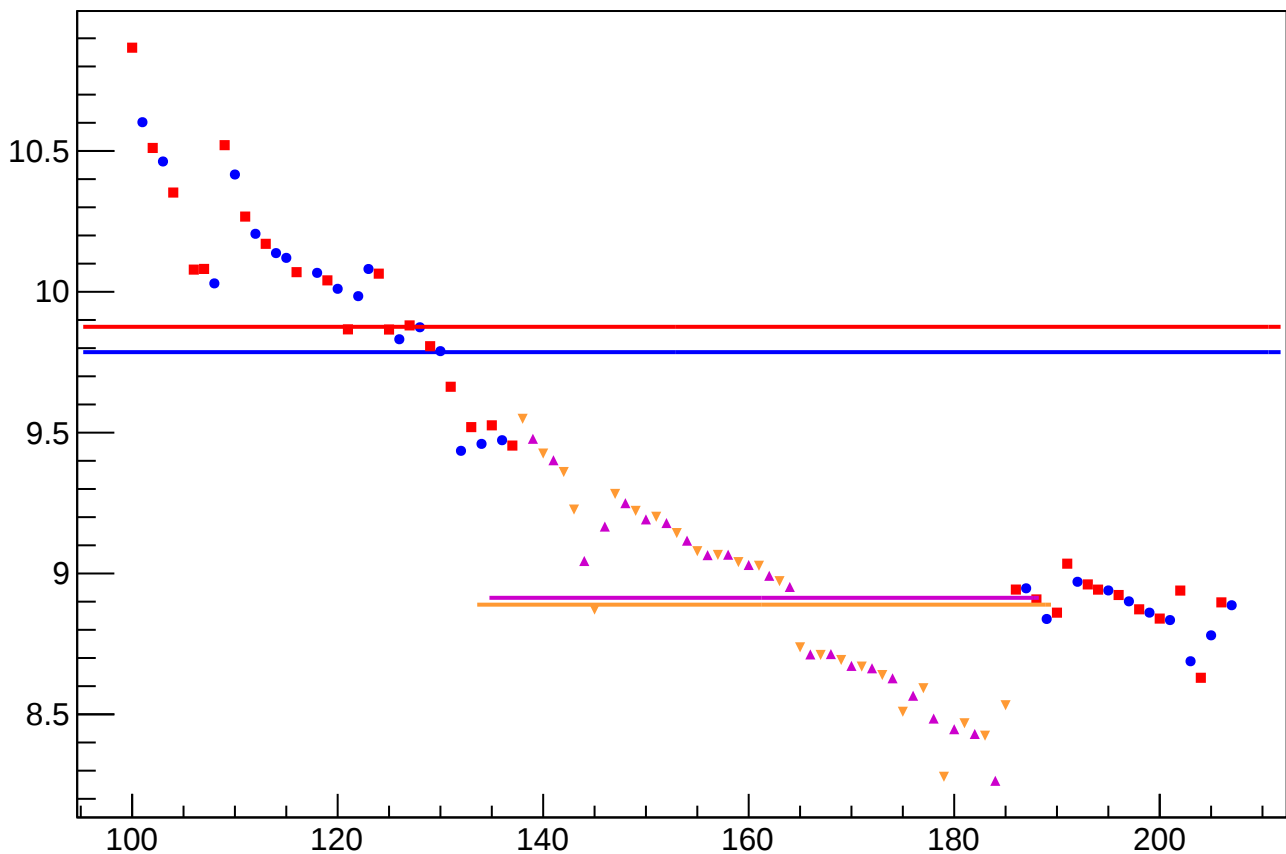
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 10493194.4/51

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 21211407.9/105

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 10698009.5/53

yield_sam8_mean vs Slug



Right In: 9.786 ± 0.000 χ^2/NDF : 60779007682.0/26

Left Out: 8.889 ± 0.000 χ^2/NDF : 34704694045.9/24

Right Out: 9.876 ± 0.000 χ^2/NDF : 62281741855.9/30

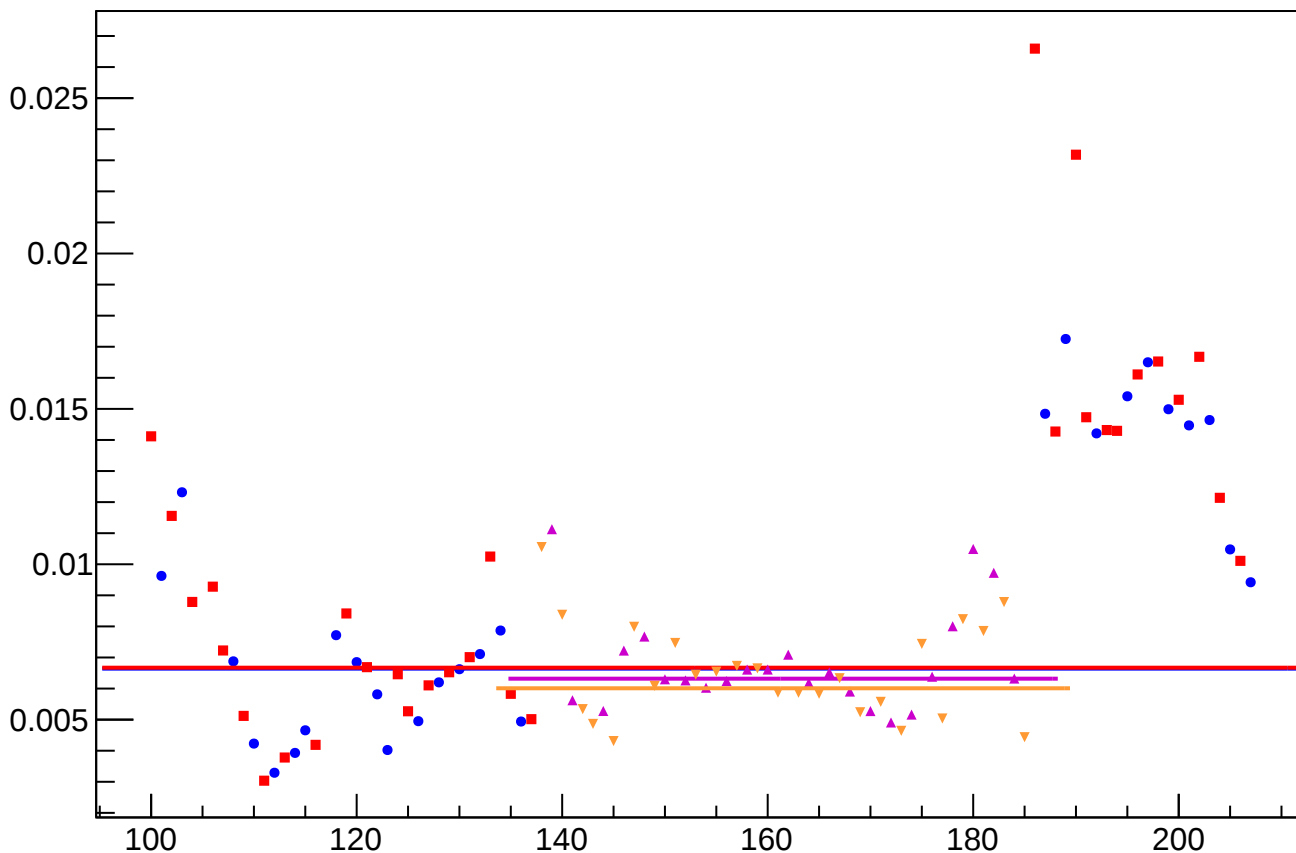
Left In: 8.914 ± 0.000 χ^2/NDF : 28497227562.7/22

+ sign 9.207 ± 0.000 χ^2/NDF : 210055353762.4/51

All: 9.250 ± 0.000 χ^2/NDF : 431459589732.0

- sign 9.296 ± 0.000 χ^2/NDF : 218992801809.3/53

yield_sam8_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5649841.6/26

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7193667.6/30

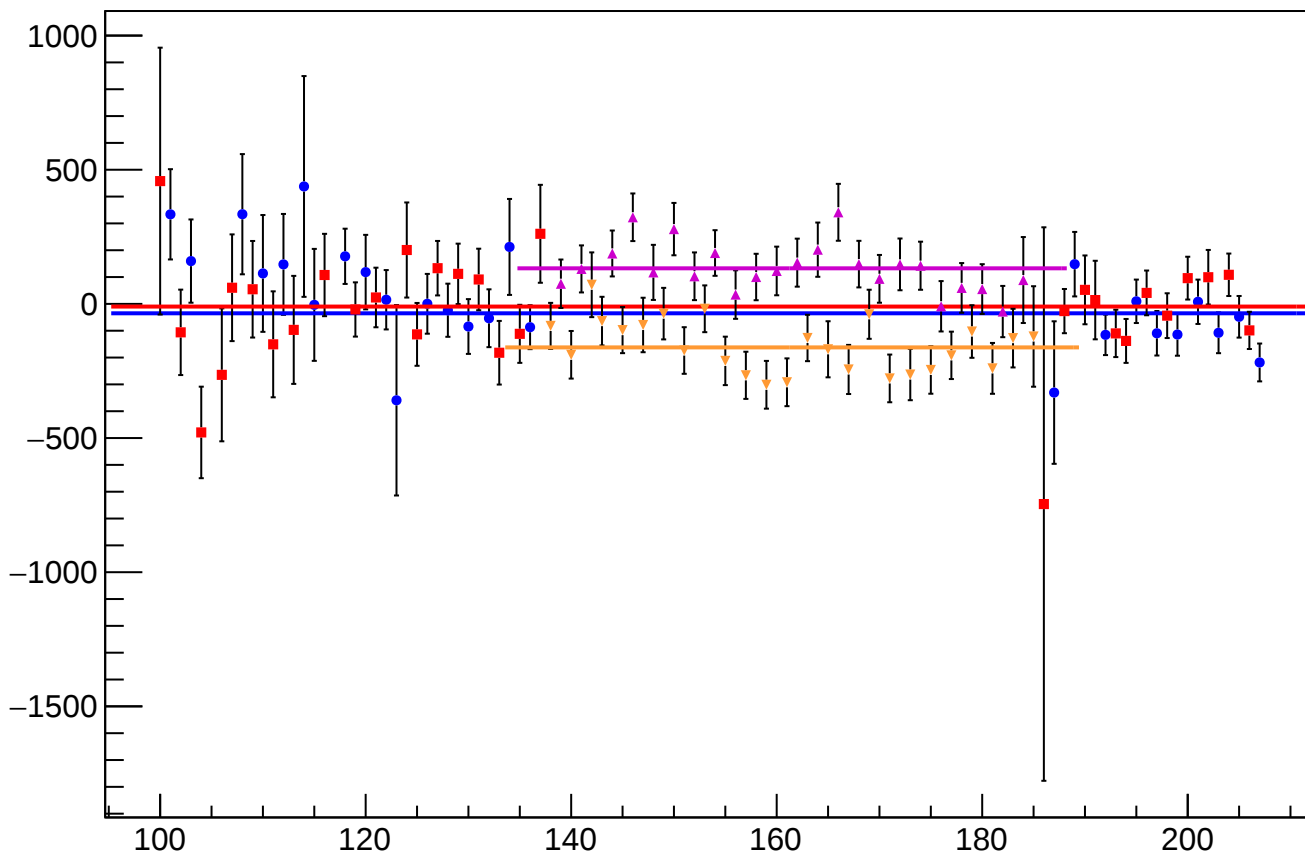
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7076541.2/51

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 15422392.3/105

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 8315338.0/53

reg_asym_sam1_mean vs Slug



Right In: -35.072 ± 20.584 χ^2/NDF : 35.8/26

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -9.978 ± 20.381 χ^2/NDF : 34.7/30

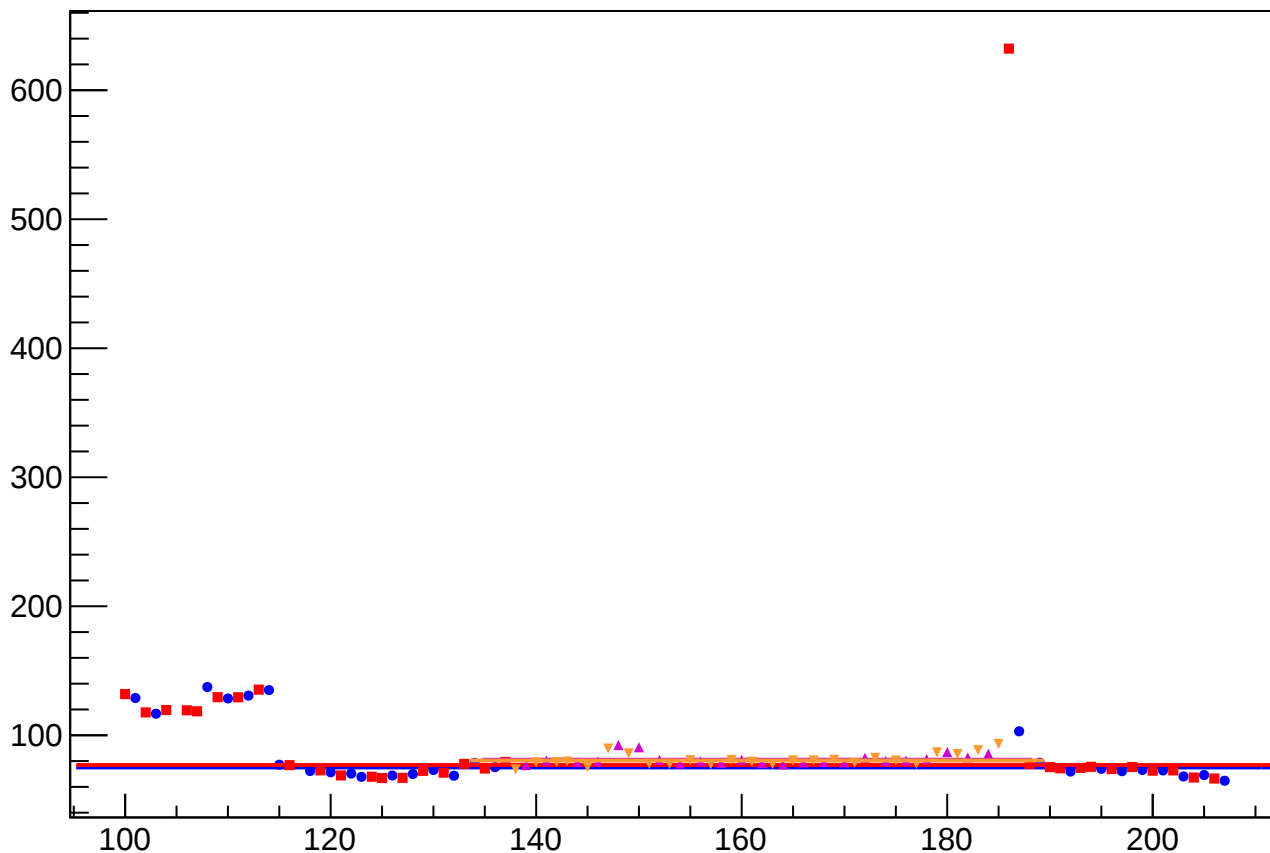
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -104.547 ± 13.859 χ^2/NDF : 82.3/51

All: -21.055 ± 9.868 χ^2/NDF : 237.1/105

- sign 64.788 ± 14.053 χ^2/NDF : 81.1/53

reg_asym_sam1_rms vs Slug



Right In: 75.098 $\pm$ 0.015 χ^2 /NDF: 974390.8/26

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 76.926 $\pm$ 0.014 χ^2 /NDF: 1642014.1/30

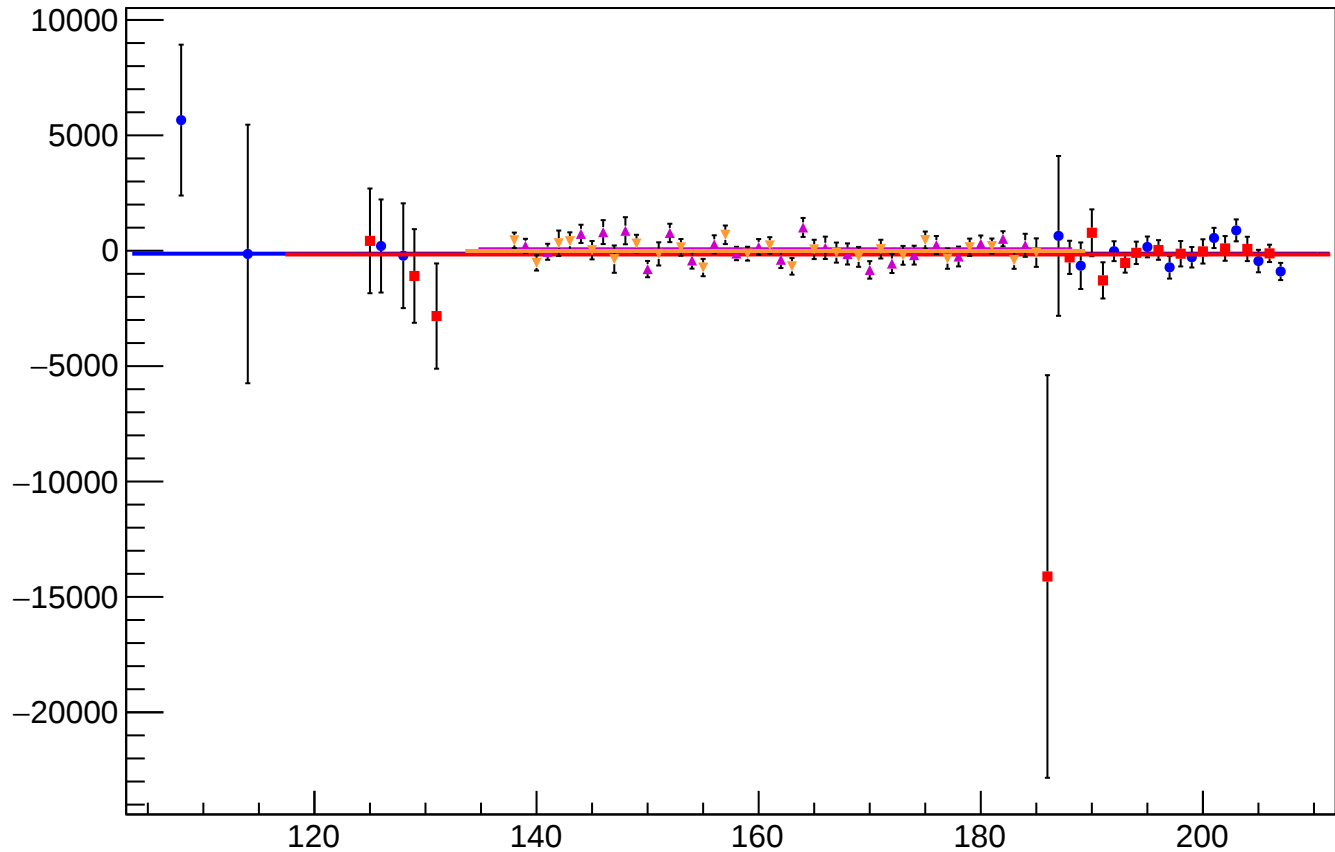
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 78.028 $\pm$ 0.010 χ^2 /NDF: 1138495.1/51

All: 78.542 $\pm$ 0.007 χ^2 /NDF: 2900542.9/105

- sign 79.070 $\pm$ 0.010 χ^2 /NDF: 1756476.2/53

asym_sam1_correction_mean vs Slug



Right In: -126.859+/-153.746 χ^2/NDF : 17.2/13

Left Out: -10.486+/-78.391 χ^2/NDF : 22.5/24

Right Out: -161.463+/-154.855 χ^2/NDF : 8.7/14

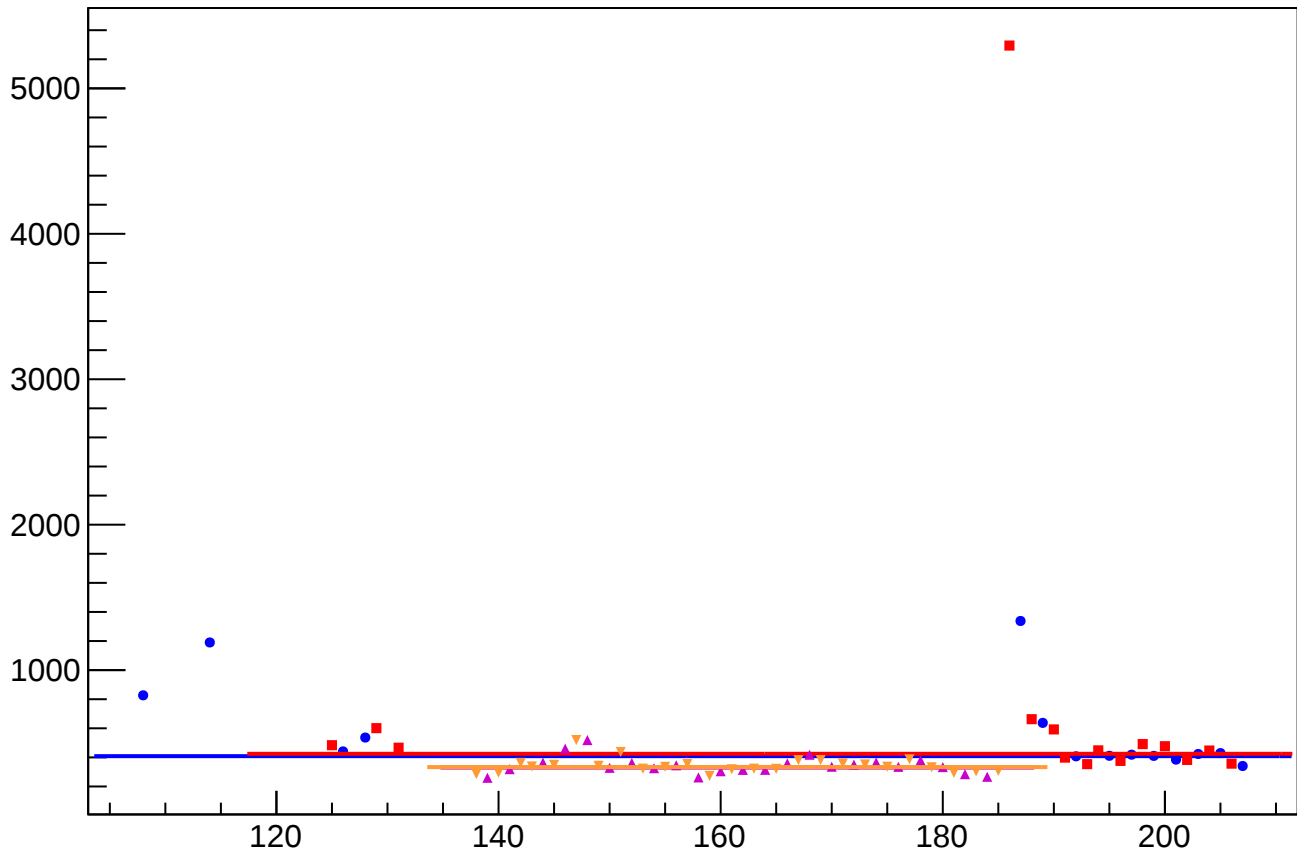
Left In: 64.591+/-80.047 χ^2/NDF : 37.4/22

+ sign -34.498+/-69.837 χ^2/NDF : 40.2/38

All: -9.250+/-49.826 χ^2/NDF : 88.3/76

- sign 16.926+/-71.108 χ^2/NDF : 47.8/37

asym_sam1_correction_rms vs Slug



Right In: 408.480 $\pm$ 0.109 χ^2 /NDF: 404198.1/13

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 424.630 $\pm$ 0.109 χ^2 /NDF: 1134947.4/14

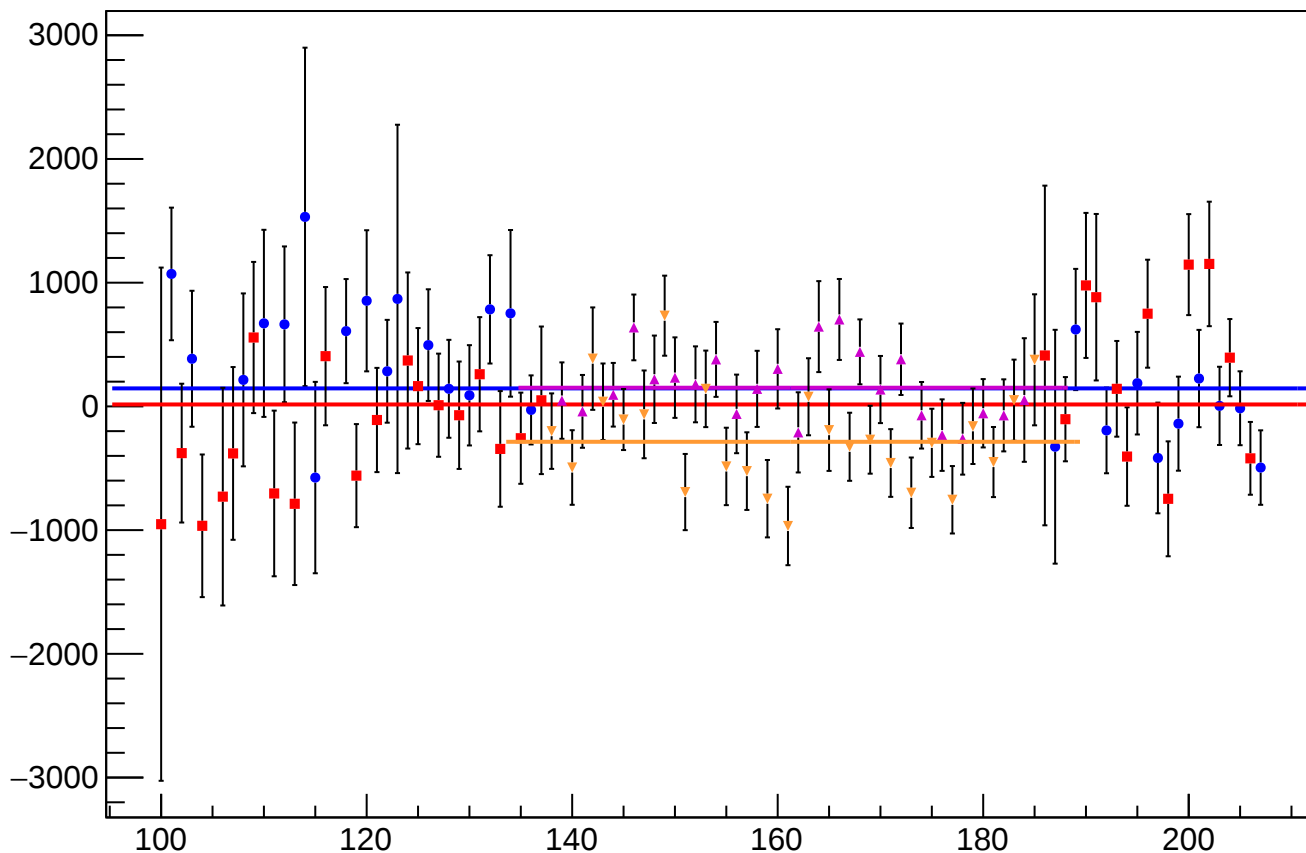
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 348.759 $\pm$ 0.049 χ^2 /NDF: 1376539.3/38

All: 349.340 $\pm$ 0.035 χ^2 /NDF: 3897292.5/76

- sign 349.942 $\pm$ 0.050 χ^2 /NDF: 2520471.3/37

reg_asym_sam2_mean vs Slug



Right In: 145.518 ± 85.112 χ^2/NDF : 22.7/26

Left Out: -286.030 ± 61.095 χ^2/NDF : 36.6/24

Right Out: 15.679 ± 85.271 χ^2/NDF : 40.1/30

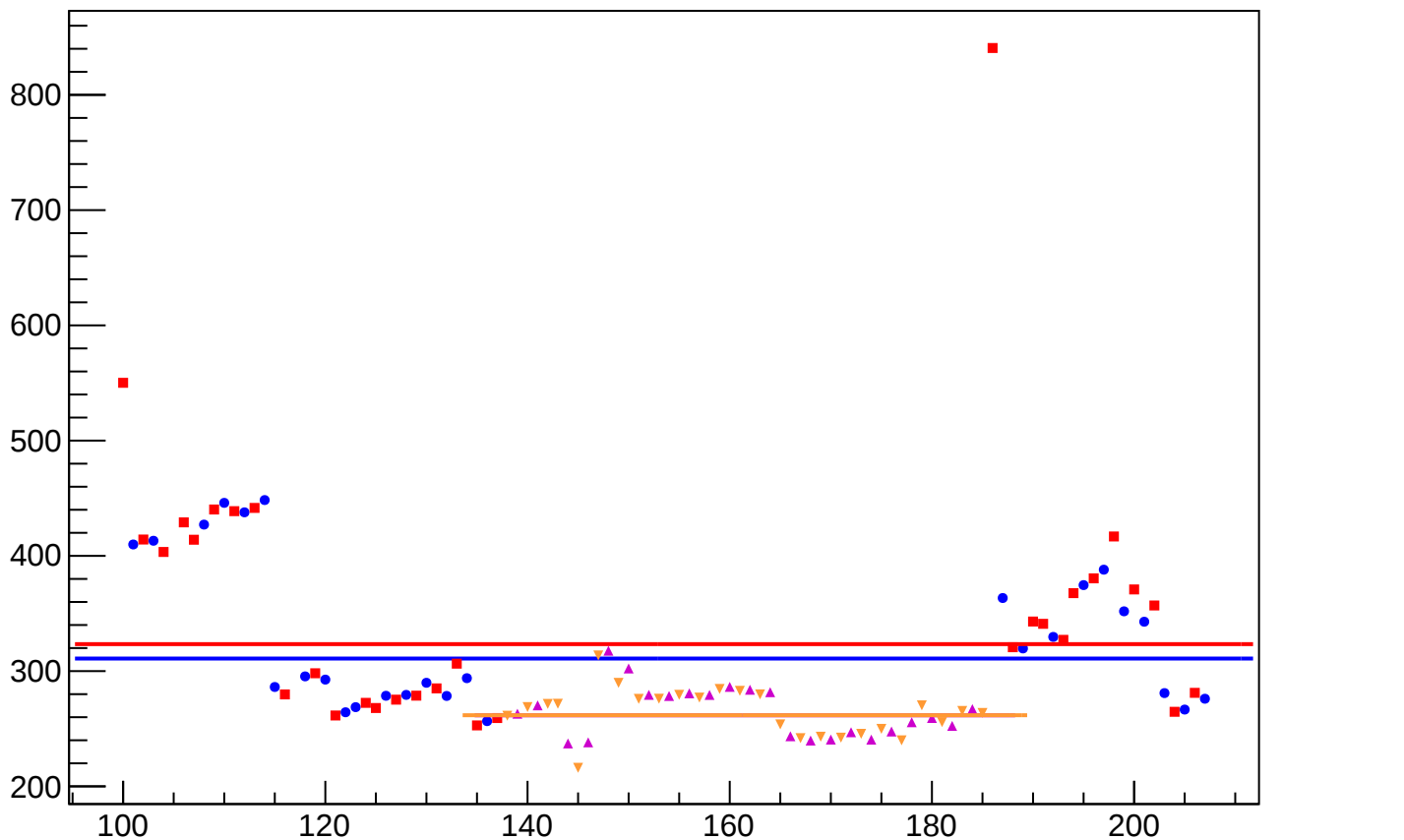
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -139.285 ± 49.632 χ^2/NDF : 76.2/51

All: -20.255 ± 35.424 χ^2/NDF : 148.4/105

- sign 103.344 ± 50.576 χ^2/NDF : 60.4/53

reg_asym_sam2_rms vs Slug



Right In: 310.905 $\pm$ 0.060 χ^2 /NDF: 752639.6/26

Left Out: 261.722 $\pm$ 0.043 χ^2 /NDF: 233222.6/24

Right Out: 323.423 $\pm$ 0.060 χ^2 /NDF: 1211814.9/30

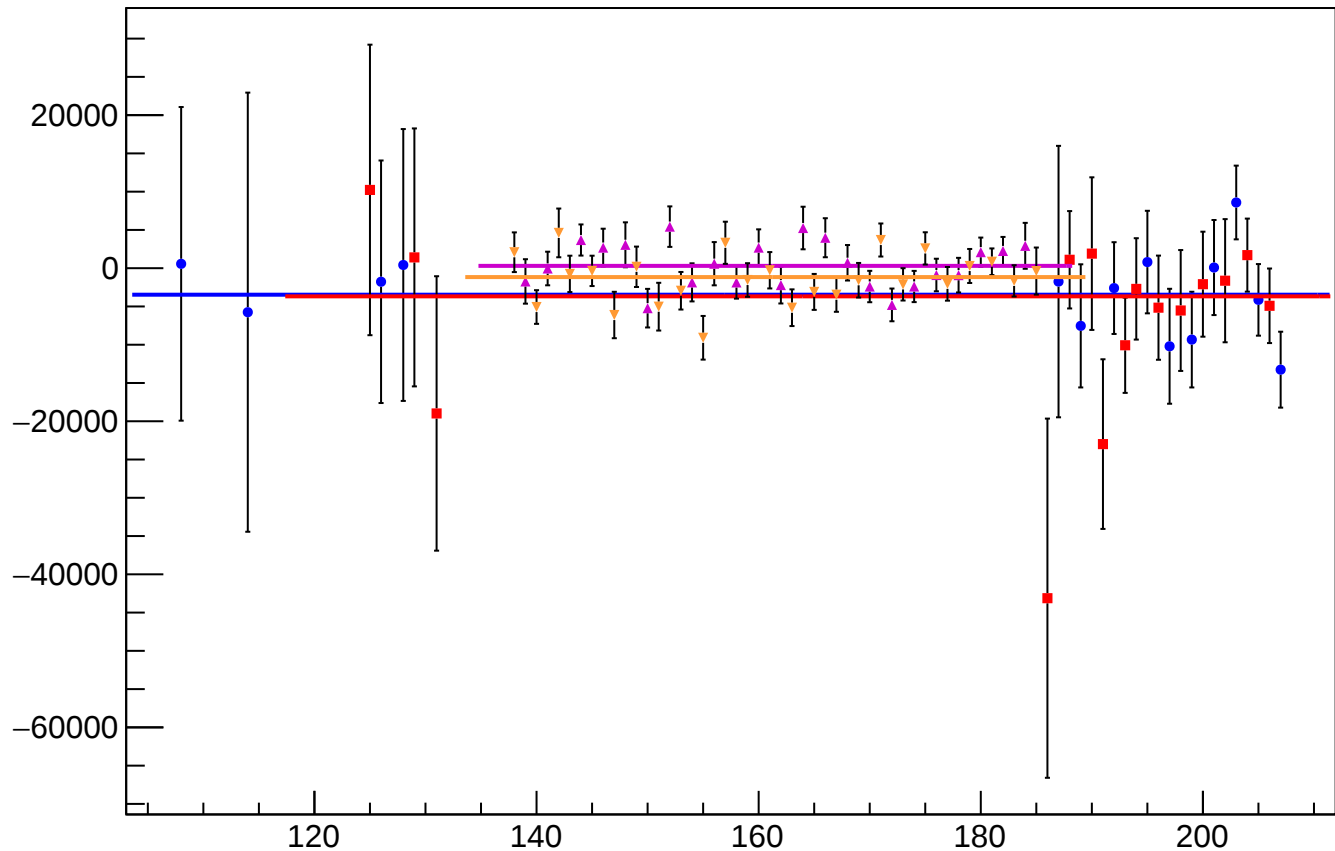
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 278.446 $\pm$ 0.035 χ^2 /NDF: 1426614.3/51

All: 280.863 $\pm$ 0.025 χ^2 /NDF: 3557000.1/105

- sign 283.372 $\pm$ 0.036 χ^2 /NDF: 2120720.0/53

asym_sam2_correction_mean vs Slug



Right In: -3463.453 $\pm$ 1895.993 χ^2 /NDF: 13.0/13

Left Out: -1161.443 $\pm$ 469.036 χ^2 /NDF: 38.8/24

Right Out: -3680.224 $\pm$ 1949.484 χ^2 /NDF: 10.7/14

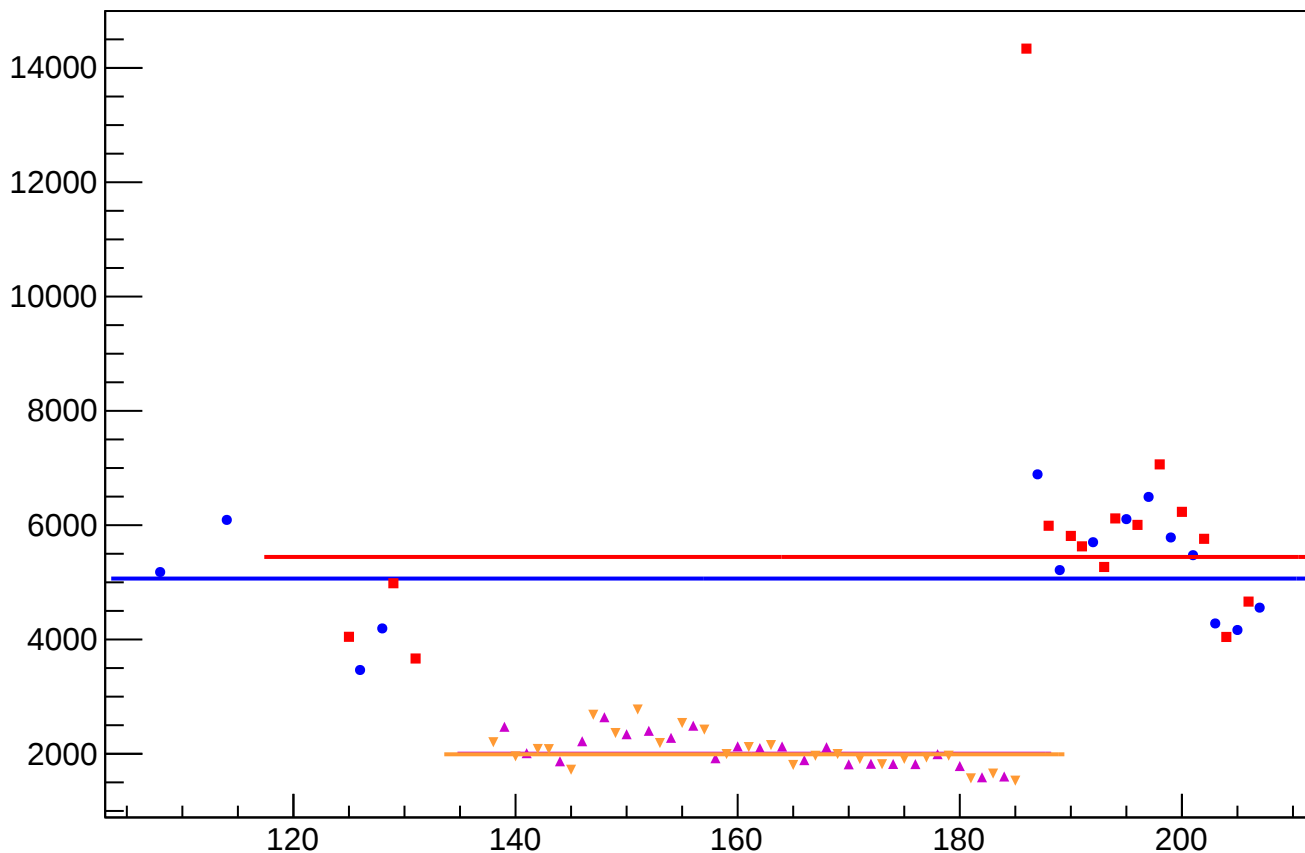
Left In: 304.366 $\pm$ 483.778 χ^2 /NDF: 35.4/22

+ sign -1294.197 $\pm$ 455.311 χ^2 /NDF: 53.1/38

All: -631.516 $\pm$ 326.867 χ^2 /NDF: 107.5/76

- sign 73.221 $\pm$ 469.537 χ^2 /NDF: 50.0/37

asym_sam2_correction_rms vs Slug



Right In: 5066.096+/-1.341 χ^2/NDF : 376092.7/13

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5444.216+/-1.378 χ^2/NDF : 710213.7/14

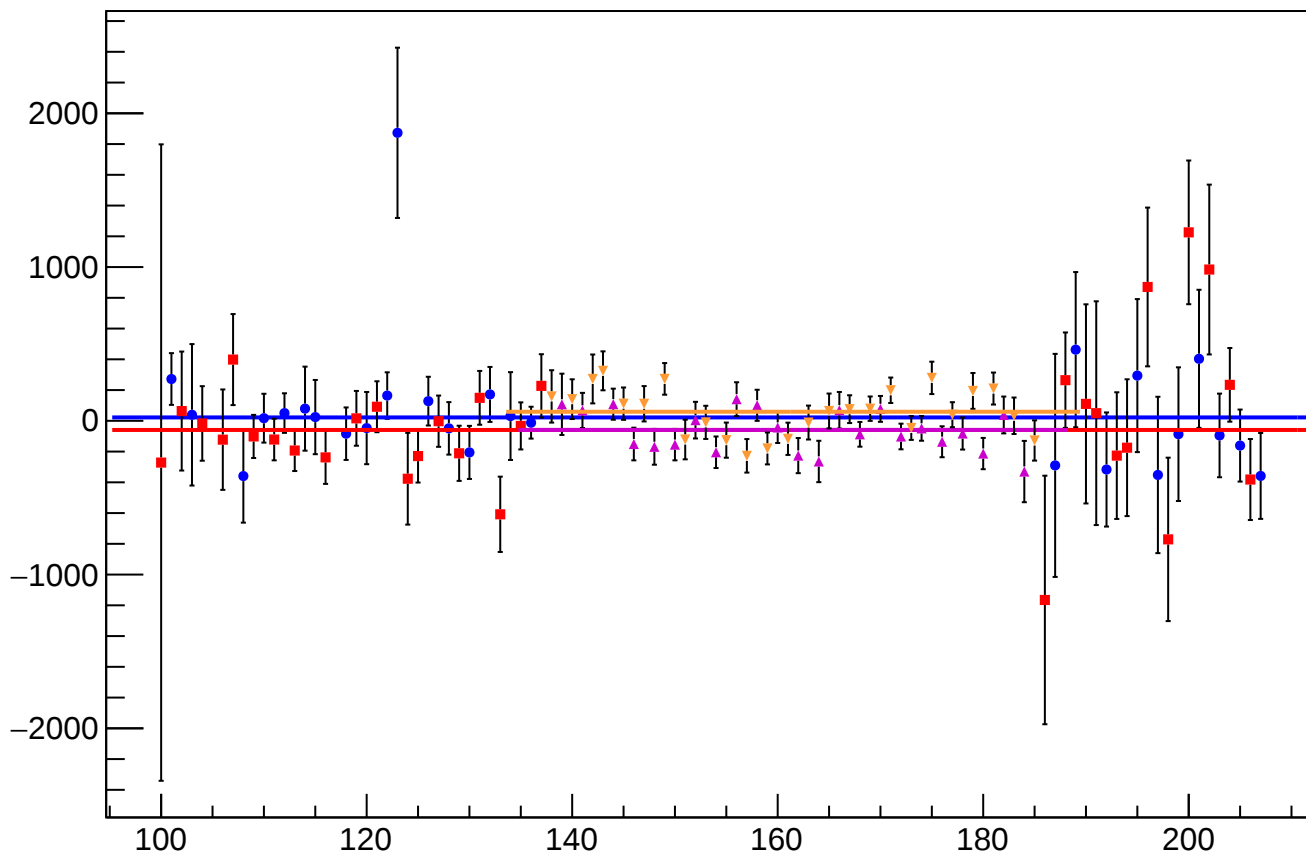
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2168.436+/-0.322 χ^2/NDF : 6059732.4/38

All: 2184.618+/-0.231 χ^2/NDF : 13234306.0/7

- sign 2201.827+/-0.332 χ^2/NDF : 7169361.1/37

reg_asym_sam3_mean vs Slug



Right In: 22.108 ± 40.788 $\chi^2/\text{NDF}: 25.6/26$

Left Out: 58.983 ± 21.137 $\chi^2/\text{NDF}: 46.9/24$

Right Out: -59.416 ± 40.500 $\chi^2/\text{NDF}: 39.8/30$

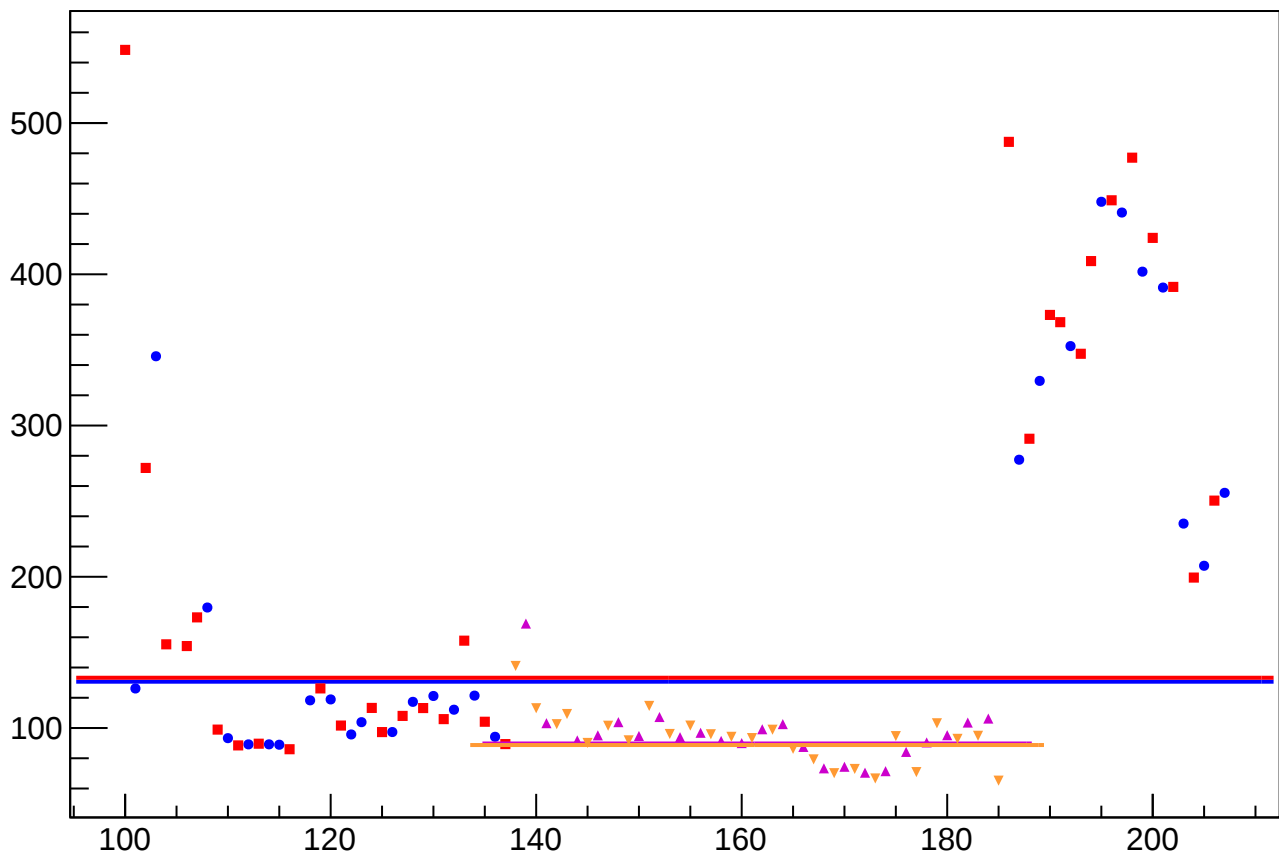
Left In: -59.235 ± 21.921 $\chi^2/\text{NDF}: 29.4/22$

+ sign 51.176 ± 18.767 $\chi^2/\text{NDF}: 73.2/51$

All: -2.566 ± 13.447 $\chi^2/\text{NDF}: 159.2/105$

- sign -59.276 ± 19.278 $\chi^2/\text{NDF}: 69.1/53$

reg_asym_sam3_rms vs Slug



Right In: 130.629 $\pm$ 0.029 χ^2 /NDF: 6444857.2/26

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 133.239 $\pm$ 0.029 χ^2 /NDF: 7616186.2/30

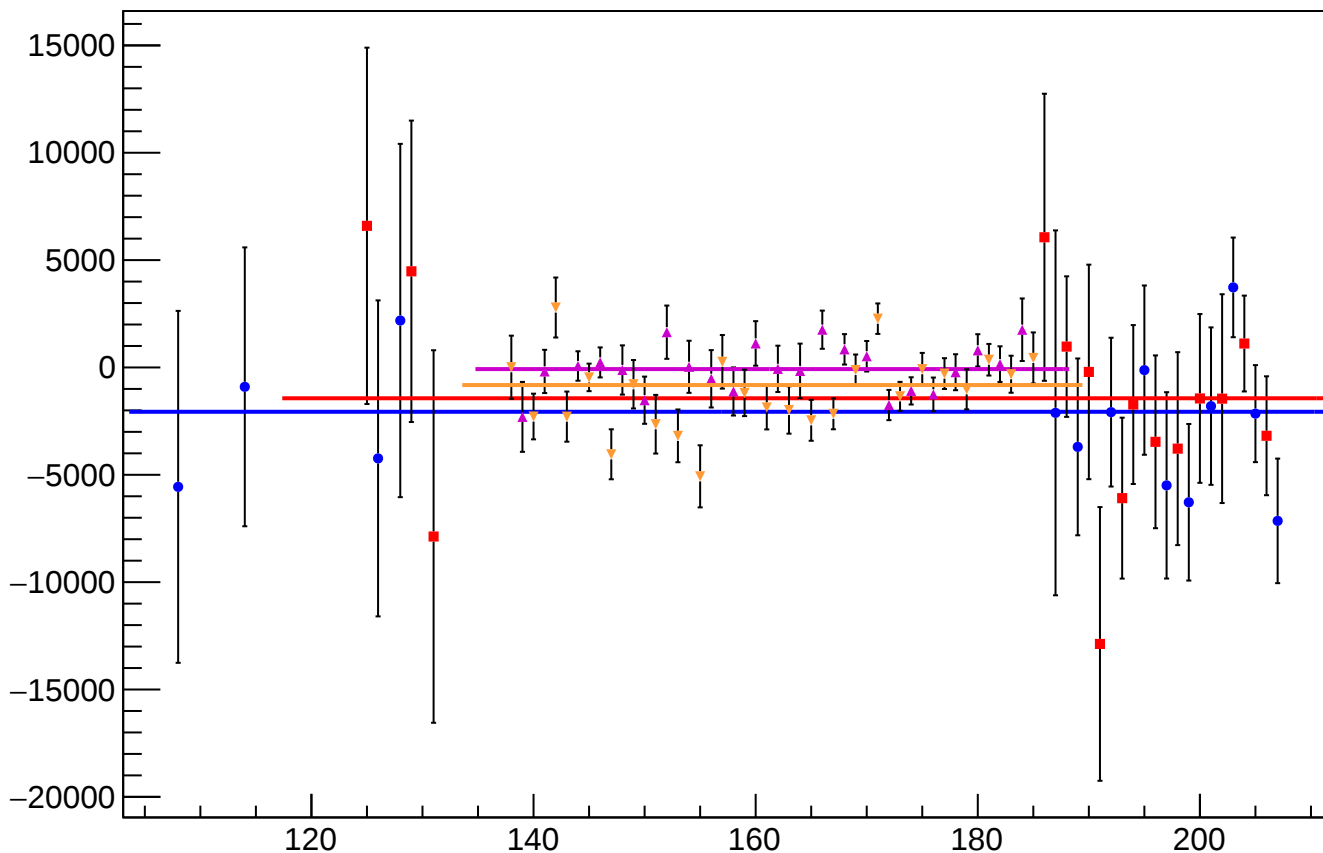
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 97.614 $\pm$ 0.013 χ^2 /NDF: 9186382.2/51

All: 98.588 $\pm$ 0.010 χ^2 /NDF: 19481738.9/105

- sign 99.616 $\pm$ 0.014 χ^2 /NDF: 10284286.0/53

asym_sam3_correction_mean vs Slug



Right In: -2064.459 ± 1002.342 χ^2/NDF : 12.2/13

Left Out: -818.877 ± 184.464 χ^2/NDF : 68.2/24

Right Out: -1435.441 ± 1041.344 χ^2/NDF : 11.1/14

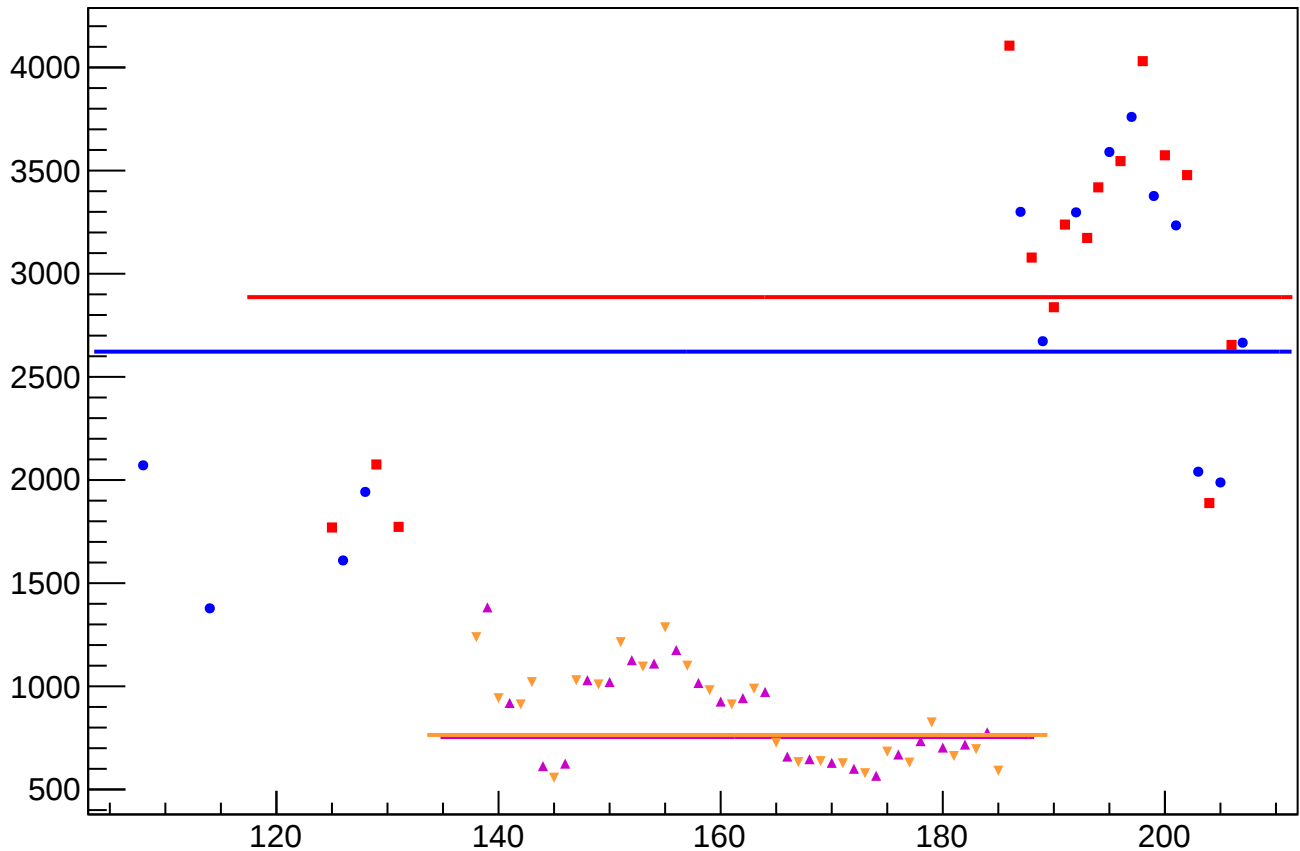
Left In: -76.204 ± 186.651 χ^2/NDF : 28.3/22

+ sign -859.680 ± 181.417 χ^2/NDF : 81.9/38

All: -493.776 ± 129.089 χ^2/NDF : 131.2/76

- sign -118.513 ± 183.723 χ^2/NDF : 41.0/37

asym_sam3_correction_rms vs Slug



Right In: 2622.346 $\pm$ 0.709 χ^2 /NDF: 906071.3/13

Left Out: 764.280 $\pm$ 0.130 χ^2 /NDF:2315985.8/24

Right Out: 2886.633 $\pm$ 0.736 χ^2 /NDF: 916678.4/14

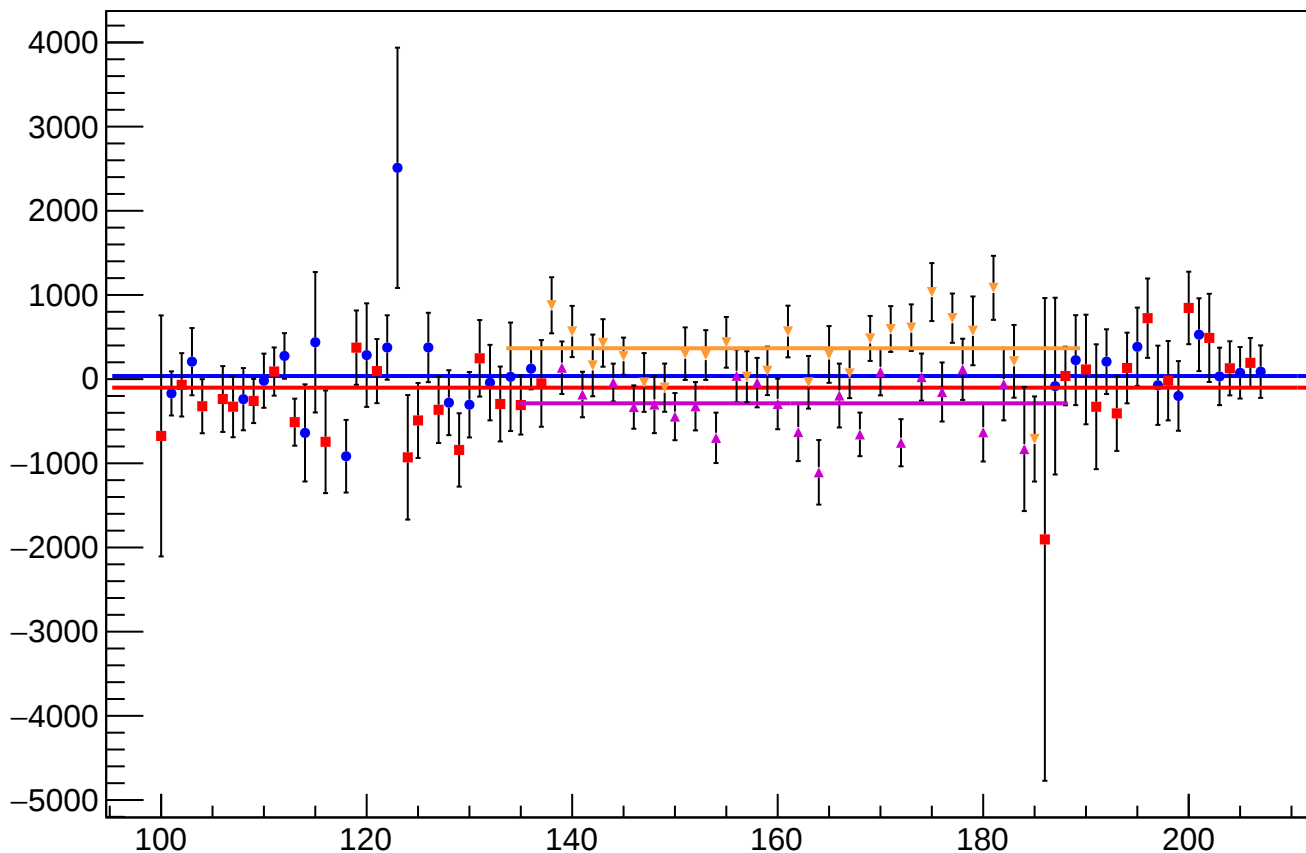
Left In: 754.027 $\pm$ 0.132 χ^2 /NDF:2013386.7/22

+ sign 825.147 $\pm$ 0.128 χ^2 /NDF: 9869510.3/38

All: 822.808 $\pm$ 0.091 χ^2 /NDF: 20927235.3/76

- sign 820.408 $\pm$ 0.130 χ^2 /NDF: 11057051.2/37

reg_asym_sam4_mean vs Slug



Right In: 36.924 ± 75.478 $\chi^2/\text{NDF}: 17.5/26$

Left Out: 367.028 ± 61.943 $\chi^2/\text{NDF}: 28.2/24$

Right Out: -101.230 ± 72.856 $\chi^2/\text{NDF}: 25.4/30$

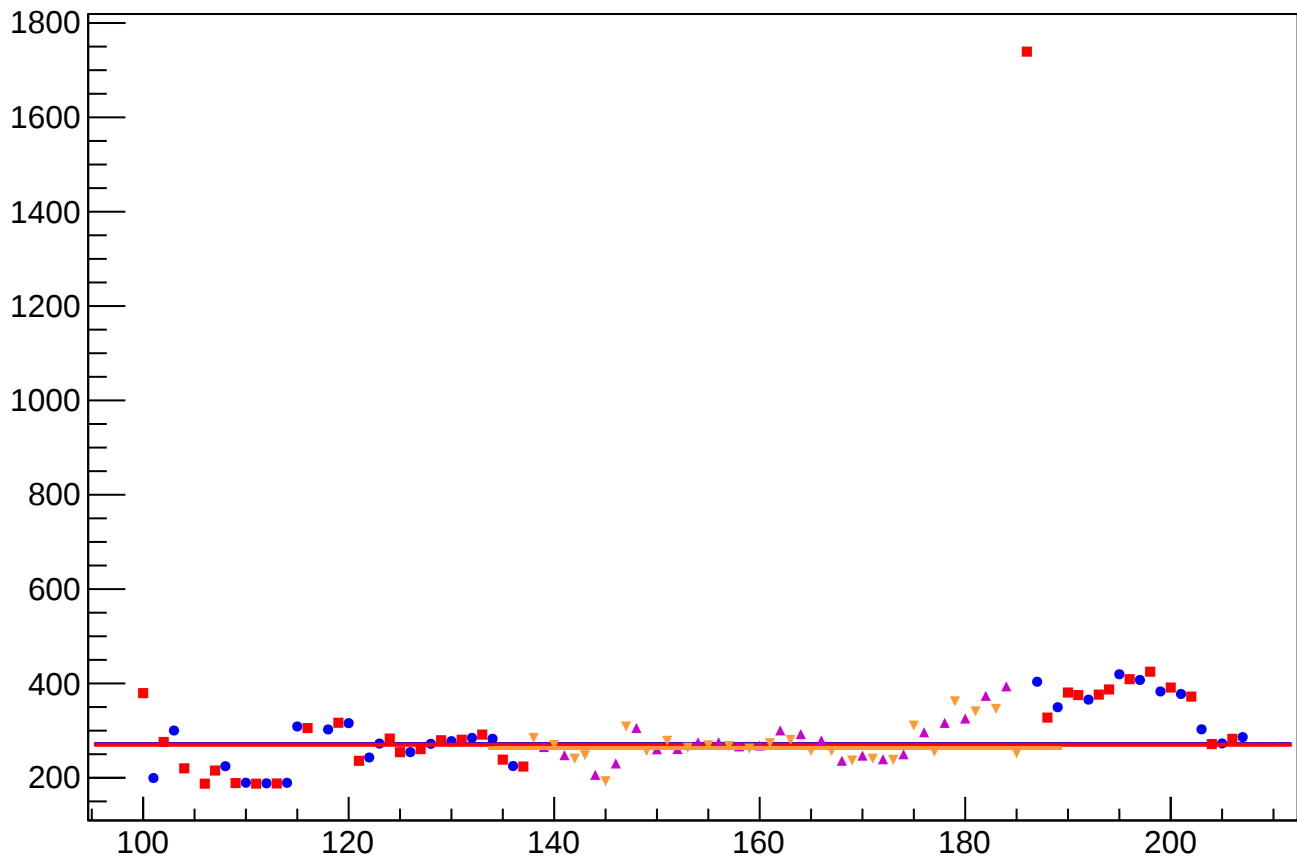
Left In: -287.246 ± 64.141 $\chi^2/\text{NDF}: 23.9/22$

+ sign 234.175 ± 47.883 $\chi^2/\text{NDF}: 57.2/51$

All: 15.265 ± 33.950 $\chi^2/\text{NDF}: 152.1/105$

- sign -206.024 ± 48.142 $\chi^2/\text{NDF}: 52.9/53$

reg_asym_sam4_rms vs Slug



Right In: 271.524+/-0.053 χ^2/NDF : 1517268.3/26

Left Out: 263.103+/-0.044 χ^2/NDF : 642226.0/24

Right Out: 270.072+/-0.052 χ^2/NDF : 2388440.7/30

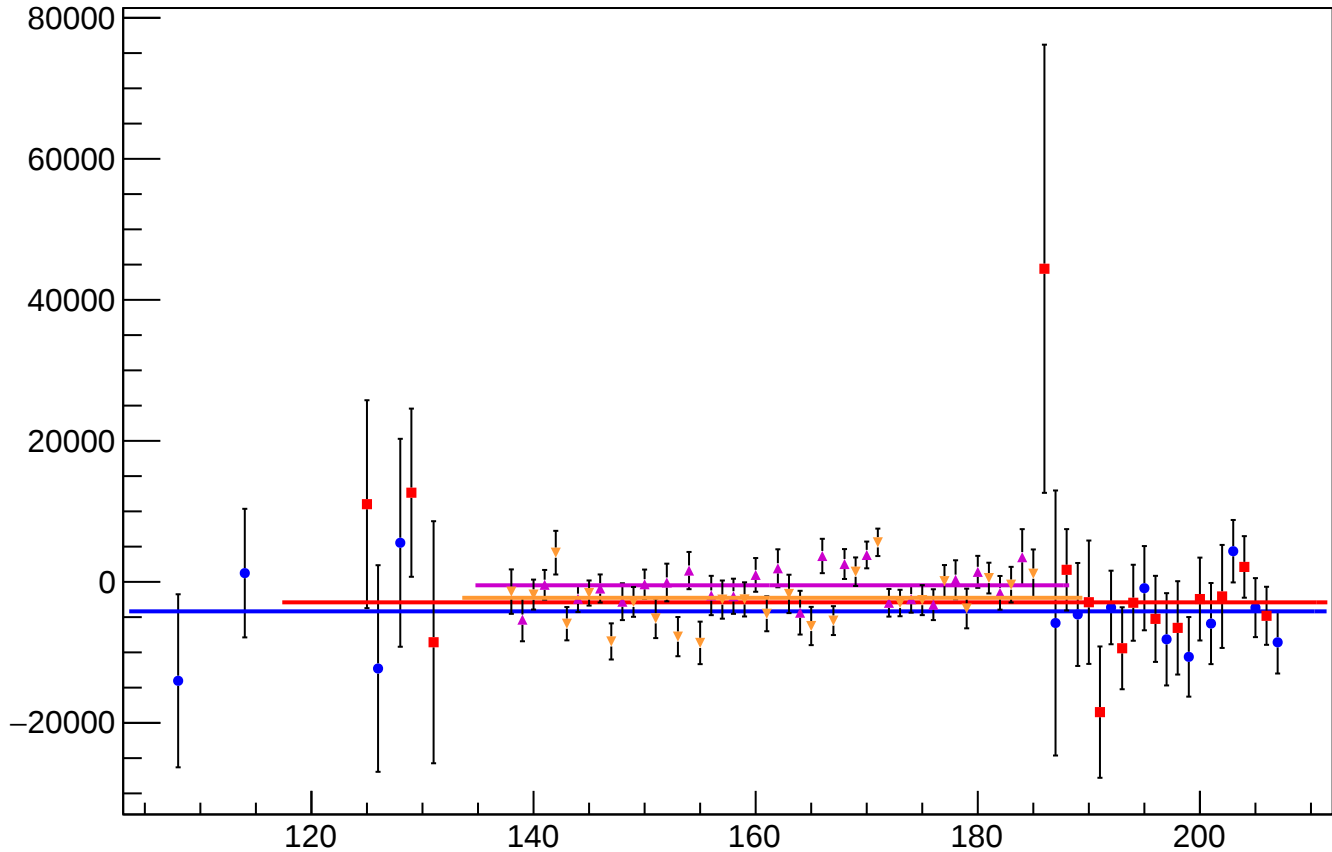
Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

+ sign 266.492+/-0.034 χ^2/NDF : 2174370.3/51

All: 266.830+/-0.024 χ^2/NDF : 5177662.6/109

- sign 267.171+/-0.034 χ^2/NDF : 3003092.2/53

asym_sam4_correction_mean vs Slug



Right In: -4180.579 ± 1670.530 χ^2/NDF : 8.5/13

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -2902.867 ± 1706.389 χ^2/NDF : 11.6/14

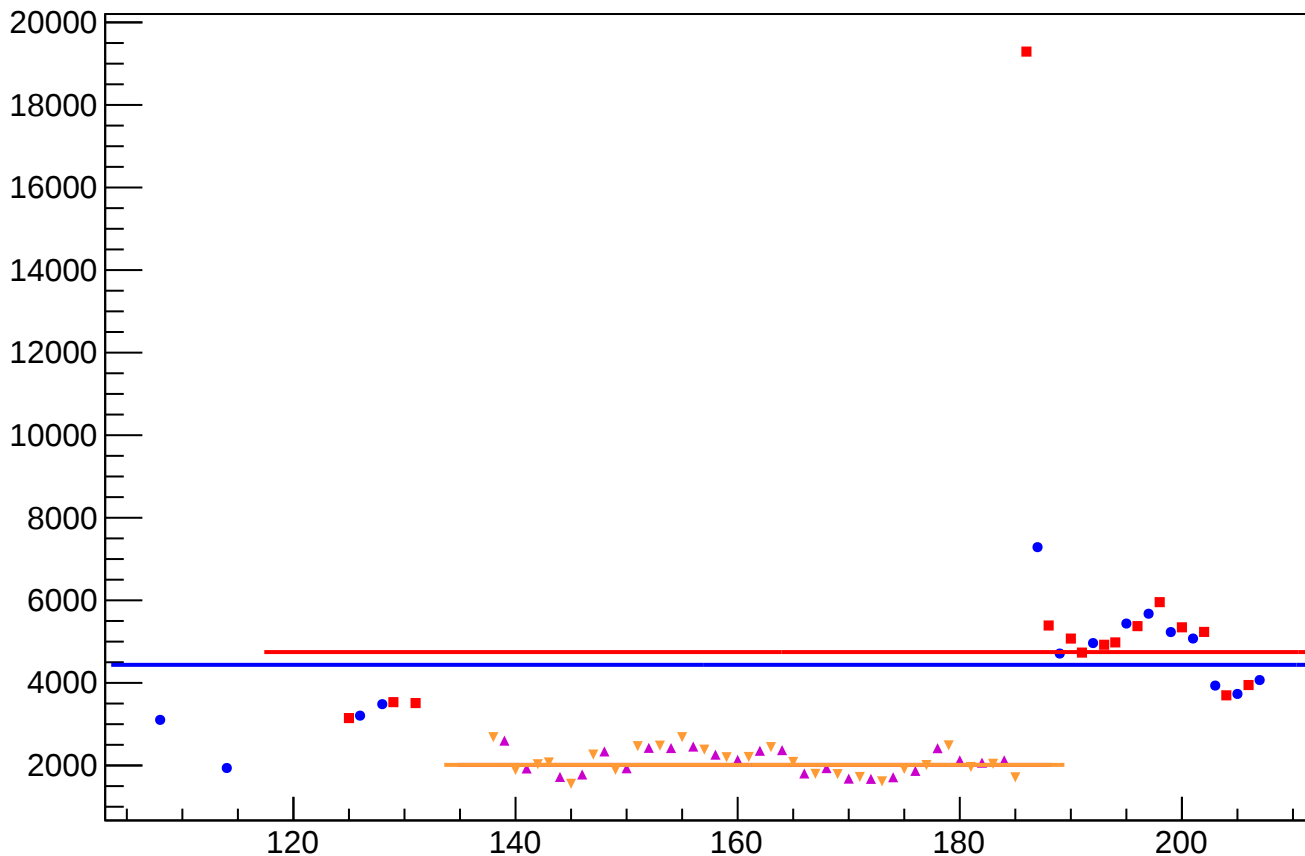
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2404.033 ± 457.188 χ^2/NDF : 62.1/38

All: -1557.614 ± 327.280 χ^2/NDF : 107.3/76

- sign -667.974 ± 468.715 χ^2/NDF : 38.2/37

asym_sam4_correction_rms vs Slug



Right In: 4437.487+/-1.181 χ^2/NDF : 553529.6/13

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4746.666+/-1.207 χ^2/NDF : 814805.0/14

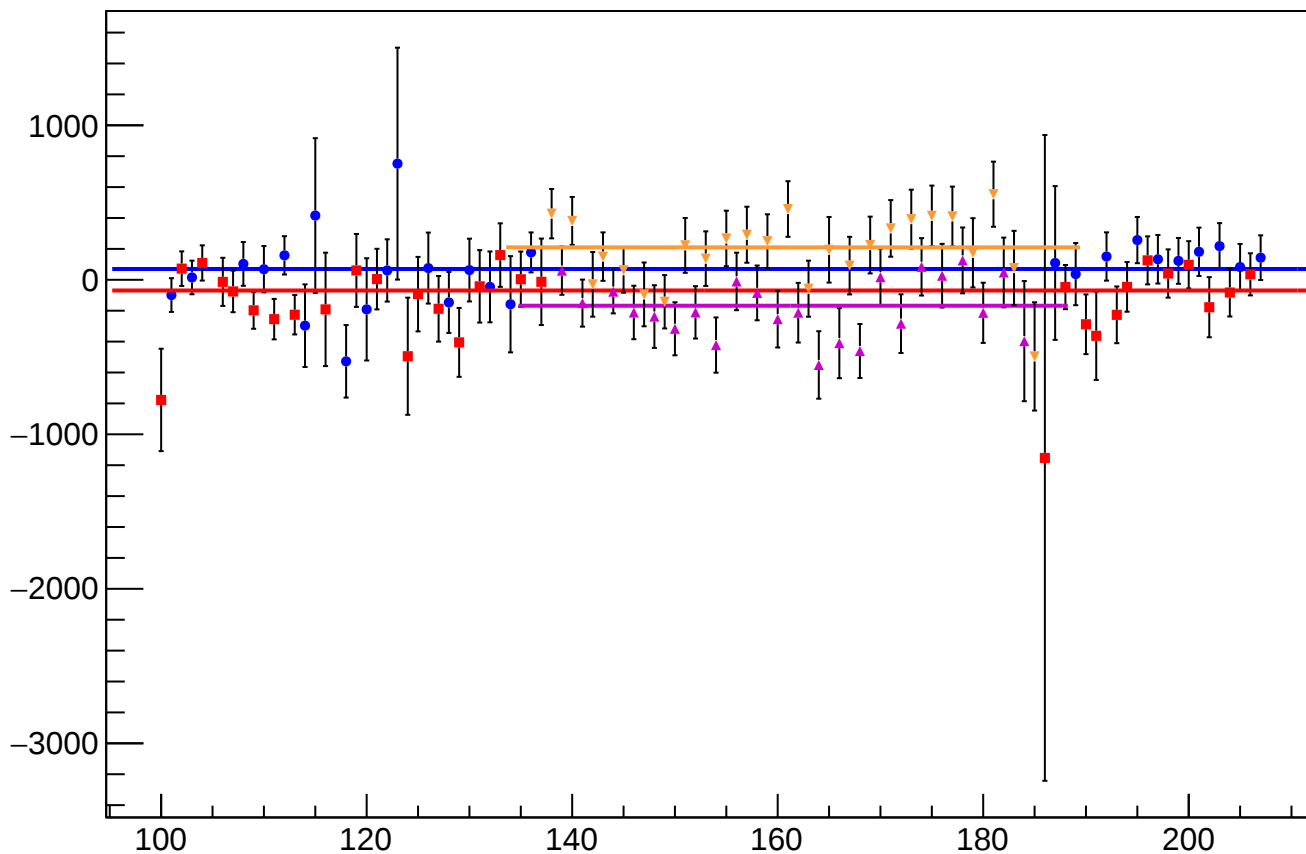
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2195.617+/-0.323 χ^2/NDF : 5282810.5/38

All: 2207.253+/-0.231 χ^2/NDF : 11507138.3/7

- sign 2219.483+/-0.331 χ^2/NDF : 6221670.6/37

reg_asym_sam5_mean vs Slug



Right In: 69.971 ± 32.682 χ^2/NDF : 20.1/26

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -69.157 ± 30.719 χ^2/NDF : 26.8/30

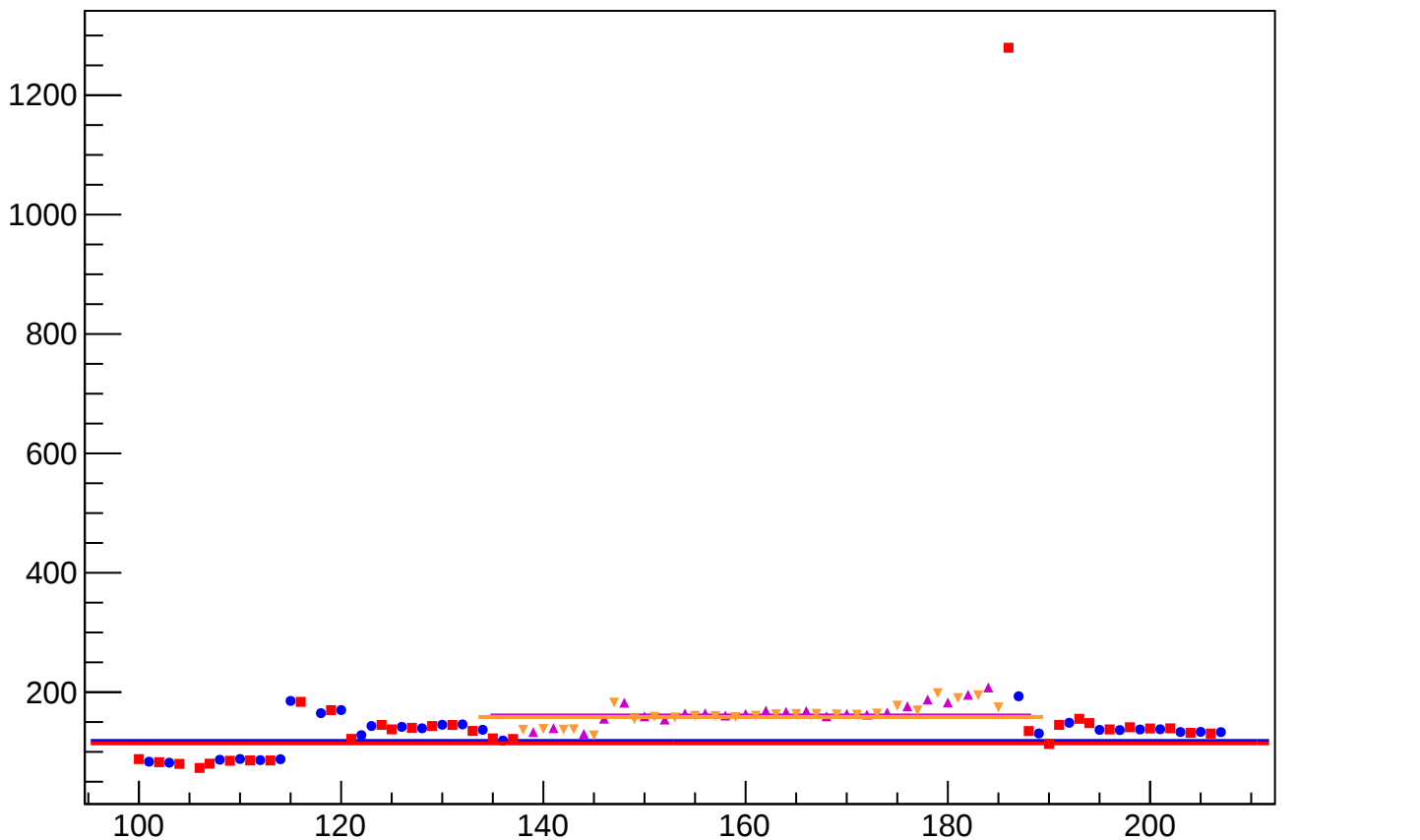
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 131.205 ± 24.522 χ^2/NDF : 55.7/51

All: 9.722 ± 17.176 χ^2/NDF : 155.8/105

- sign -107.272 ± 24.064 χ^2/NDF : 51.9/53

reg_asym_sam5_rms vs Slug



Right In: 118.308 $\pm$ 0.023 χ^2 /NDF: 1366516.5/26

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 114.284 $\pm$ 0.022 χ^2 /NDF: 2402220.7/30

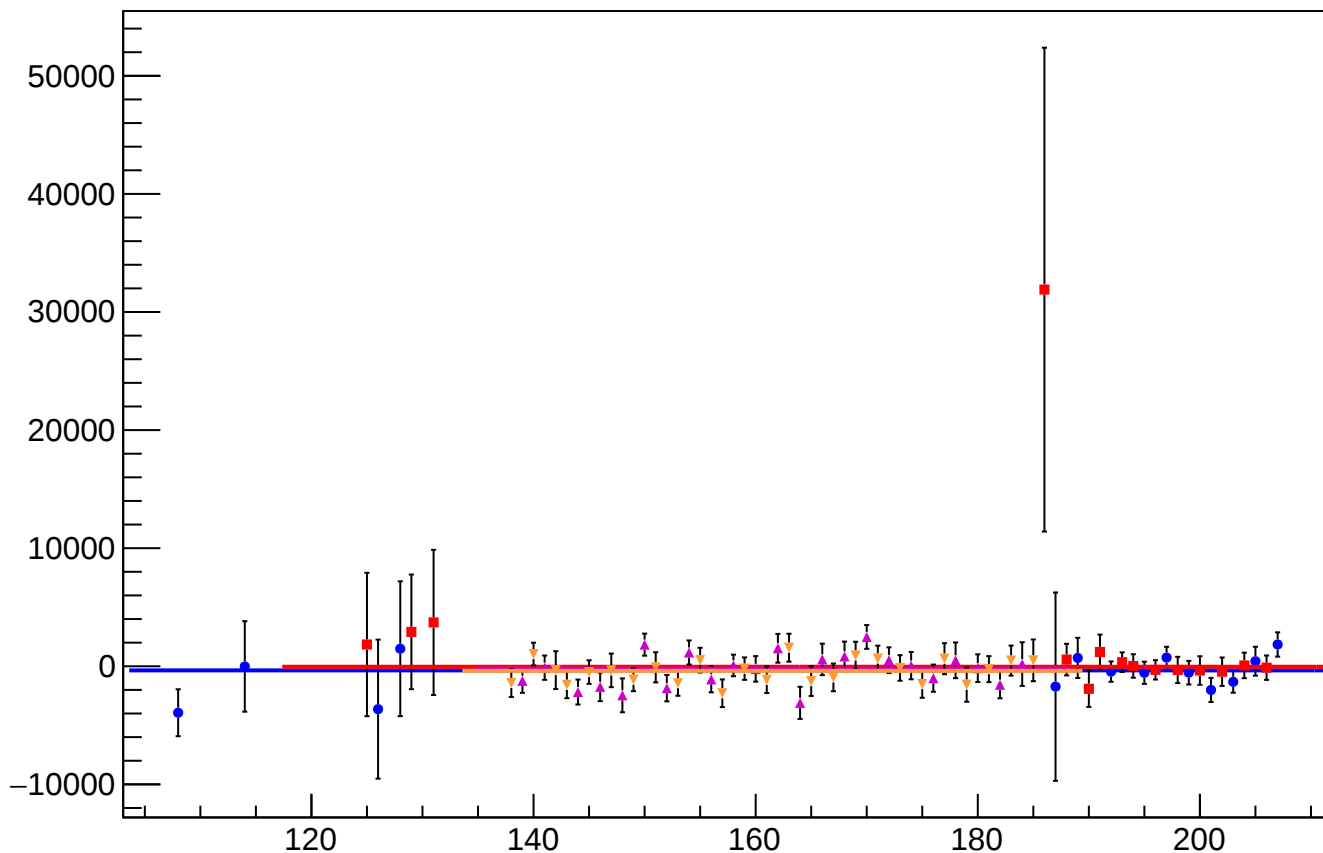
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.847 $\pm$ 0.017 χ^2 /NDF: 3118816.4/51

All: 134.045 $\pm$ 0.012 χ^2 /NDF: 7704788.4/105

- sign 132.310 $\pm$ 0.017 χ^2 /NDF: 4564780.8/53

asym_sam5_correction_mean vs Slug



Right In: -347.854+/-330.053 χ^2/NDF : 14.3/13

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: -40.192+/-324.866 χ^2/NDF : 6.3/14

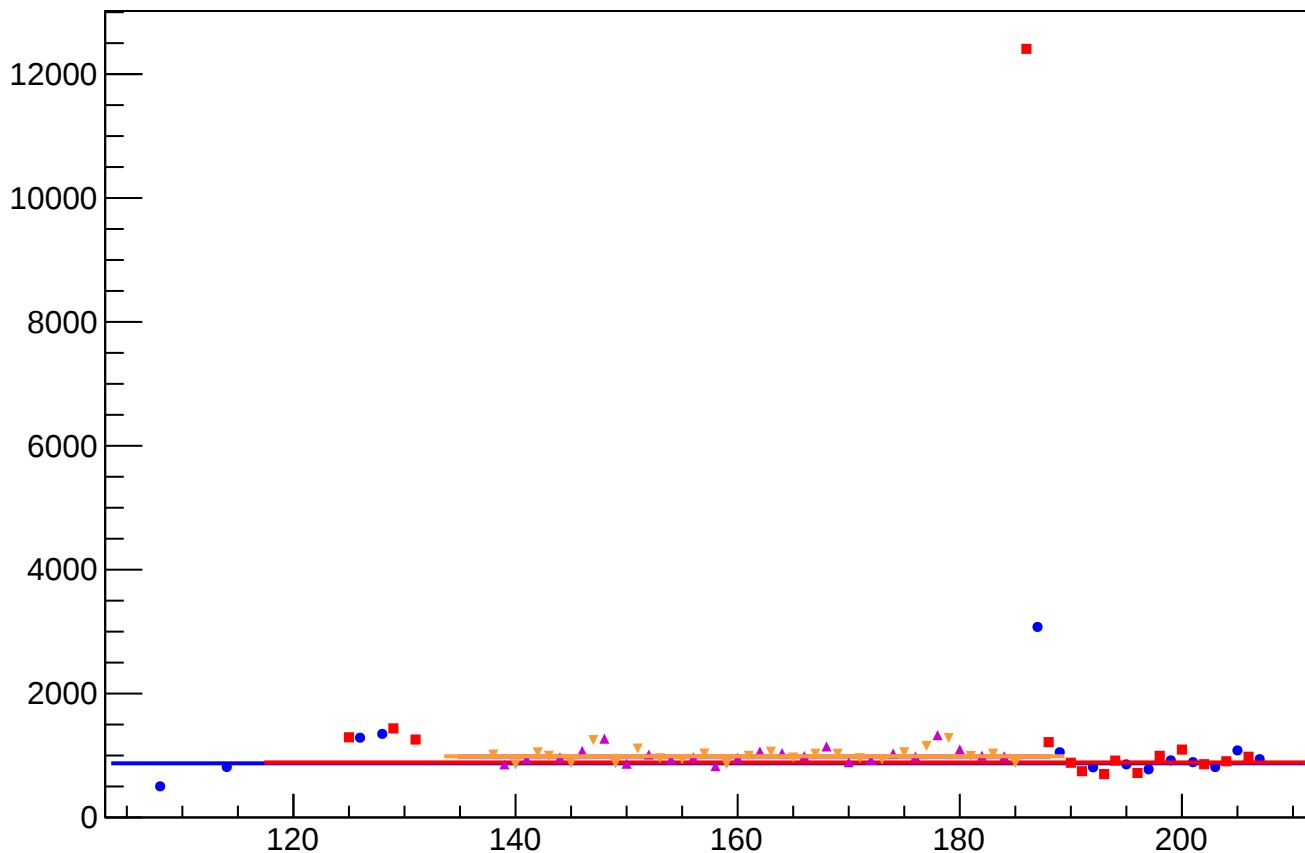
Left In: -202.234+/-237.460 χ^2/NDF : 35.5/22

+ sign -372.740+/-189.710 χ^2/NDF : 32.4/38

All: -260.461+/-134.846 χ^2/NDF : 75.0/76

- sign -145.806+/-191.707 χ^2/NDF : 41.9/37

asym_sam5_correction_rms vs Slug



Right In: 874.057 $\pm$ 0.233 χ^2 /NDF: 383771.1/13

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 888.637 $\pm$ 0.230 χ^2 /NDF: 1097508.9/14

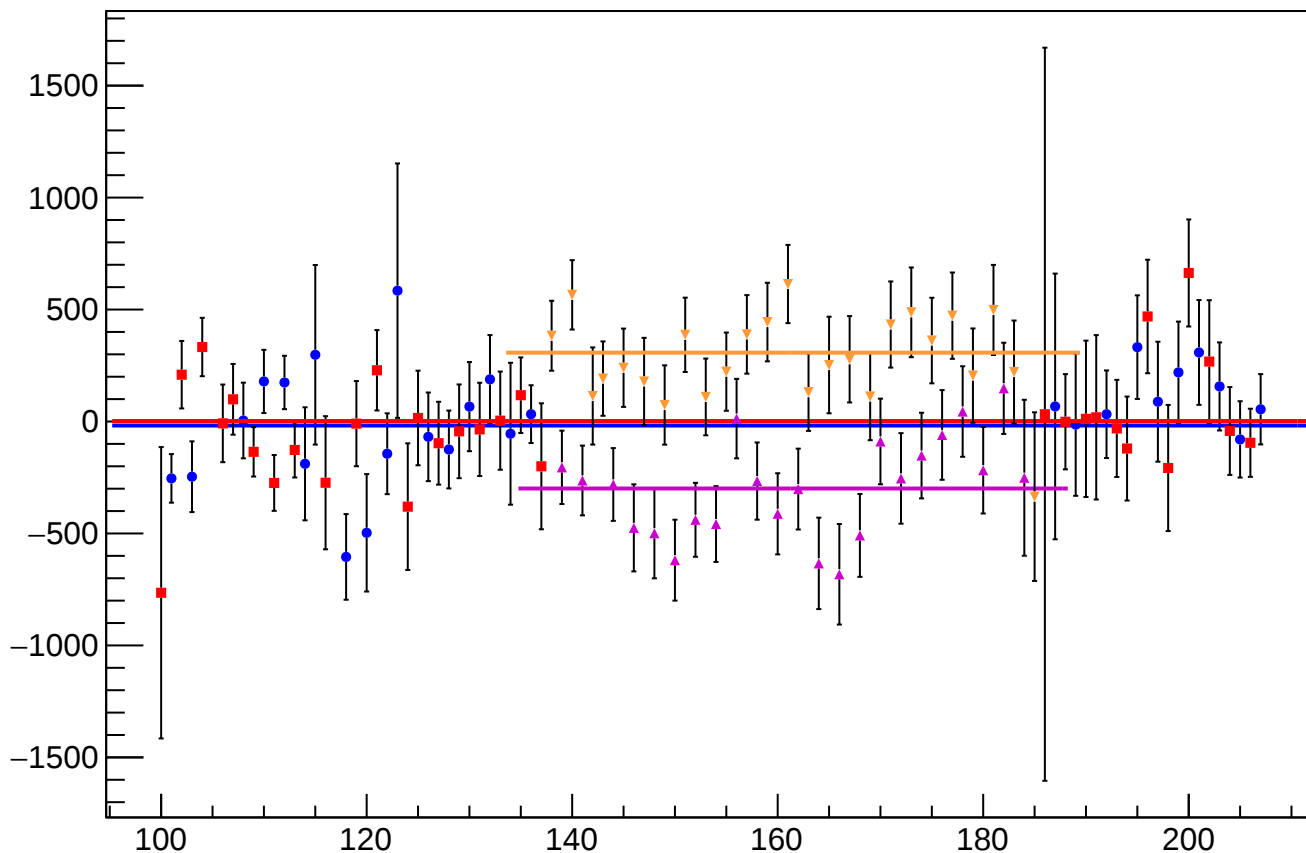
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 950.268 $\pm$ 0.134 χ^2 /NDF: 919975.5/38

All: 950.492 $\pm$ 0.095 χ^2 /NDF: 2545829.6/76

- sign 950.722 $\pm$ 0.136 χ^2 /NDF: 1625848.4/37

reg_asym_sam6_mean vs Slug



Right In: -17.909 ± 36.085 χ^2/NDF : 35.4/26

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: 2.157 ± 34.380 χ^2/NDF : 36.6/30

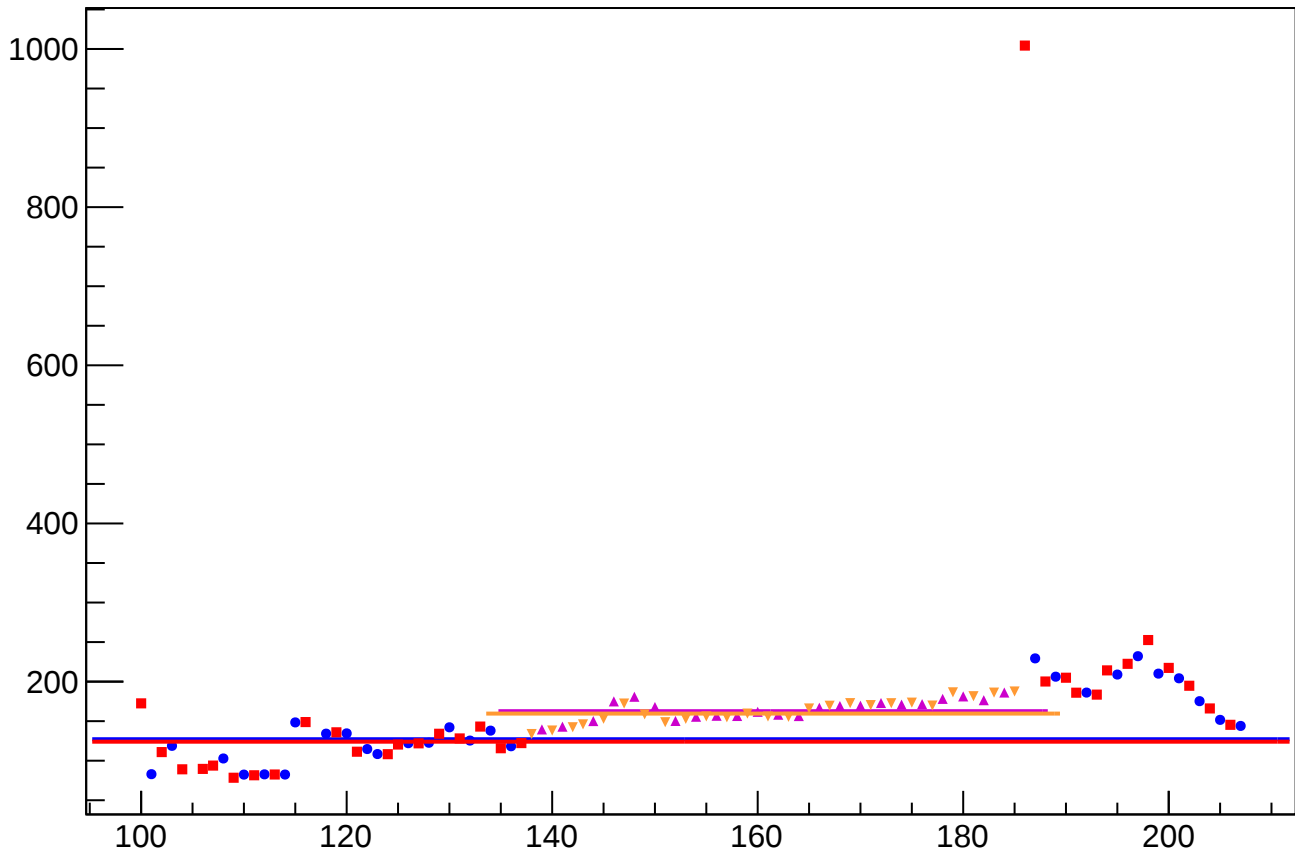
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 139.501 ± 25.927 χ^2/NDF : 95.5/51

All: 4.256 ± 18.286 χ^2/NDF : 248.3/105

- sign -129.586 ± 25.793 χ^2/NDF : 98.7/53

reg_asym_sam6_rms vs Slug



Right In: 127.156 $\pm$ 0.026 χ^2 /NDF: 2558924.0/26

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 124.043 $\pm$ 0.024 χ^2 /NDF: 3926413.7/30

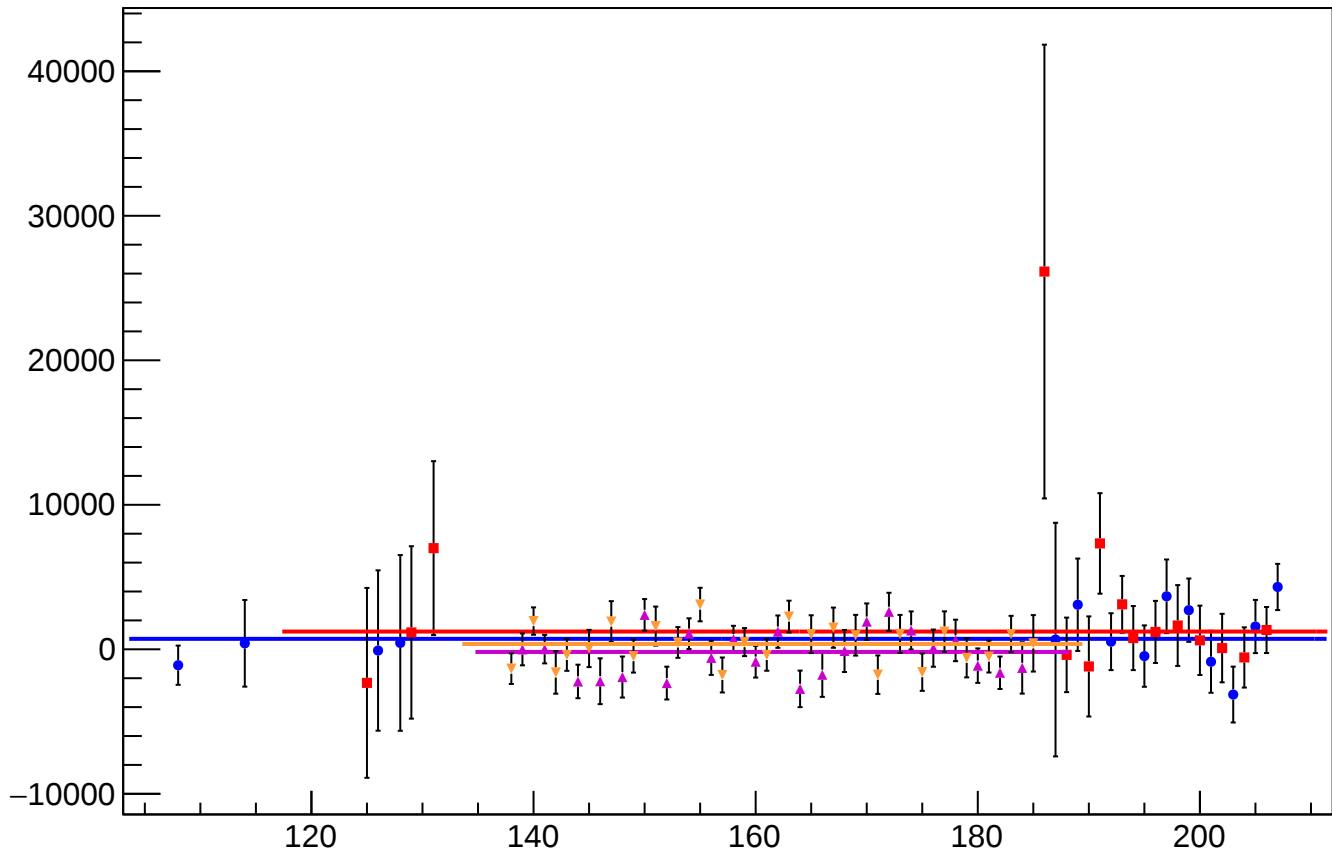
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 142.835 $\pm$ 0.018 χ^2 /NDF: 3627248.6/51

All: 141.864 $\pm$ 0.013 χ^2 /NDF: 8858874.4/105

- sign 140.902 $\pm$ 0.018 χ^2 /NDF: 5226035.8/53

asym_sam6_correction_mean vs Slug



Right In: 723.883+/-593.269 χ^2/NDF : 14.6/13

Left Out: 370.001+/-243.521 χ^2/NDF : 30.5/24

Right Out: 1228.863+/-677.069 χ^2/NDF : 9.7/14

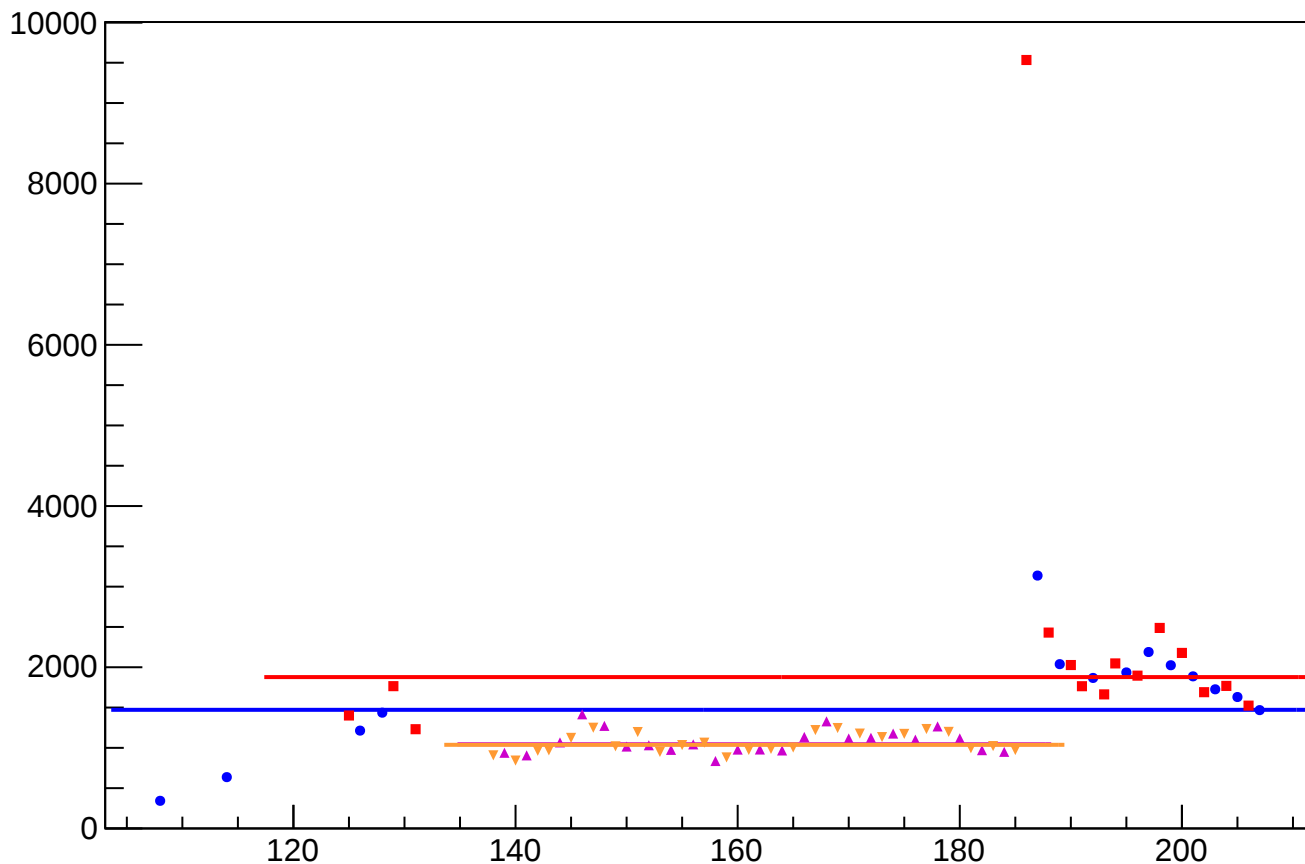
Left In: -183.107+/-252.258 χ^2/NDF : 36.5/22

+ sign 421.028+/-225.281 χ^2/NDF : 45.4/38

All: 215.399+/-163.082 χ^2/NDF : 97.2/76

- sign -11.000+/-236.385 χ^2/NDF : 50.0/37

asym_sam6_correction_rms vs Slug



Right In: 1471.819+/-0.420 χ^2/NDF : 2278825.6/13

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1877.911+/-0.479 χ^2/NDF : 886006.3/14

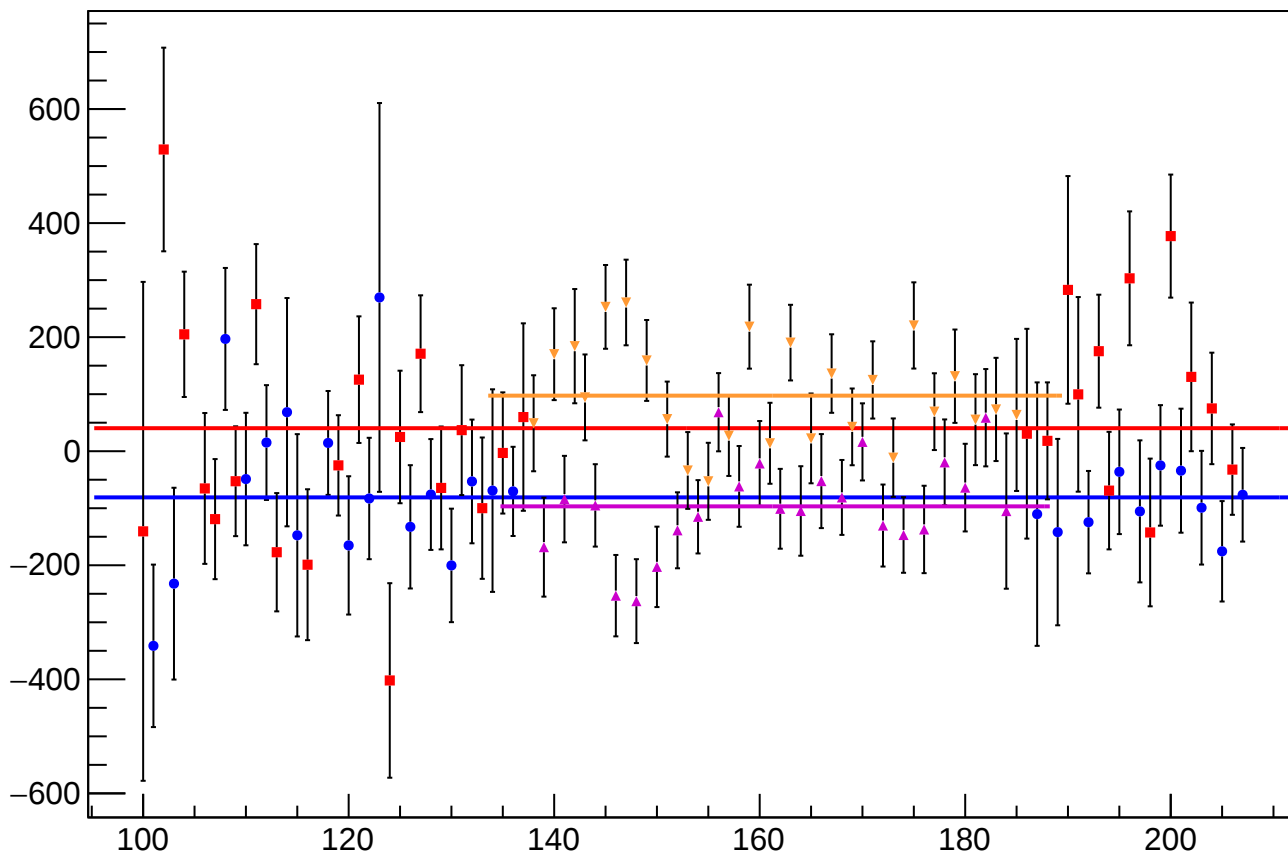
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1100.288+/-0.159 χ^2/NDF : 3690327.0/38

All: 1122.188+/-0.115 χ^2/NDF : 7818706.3/70

- sign 1146.301+/-0.167 χ^2/NDF : 4088666.6/37

reg_asym_sam7_mean vs Slug



Right In: -80.961 ± 21.732 $\chi^2/\text{NDF}: 17.5/26$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 40.358 ± 20.834 $\chi^2/\text{NDF}: 60.4/30$

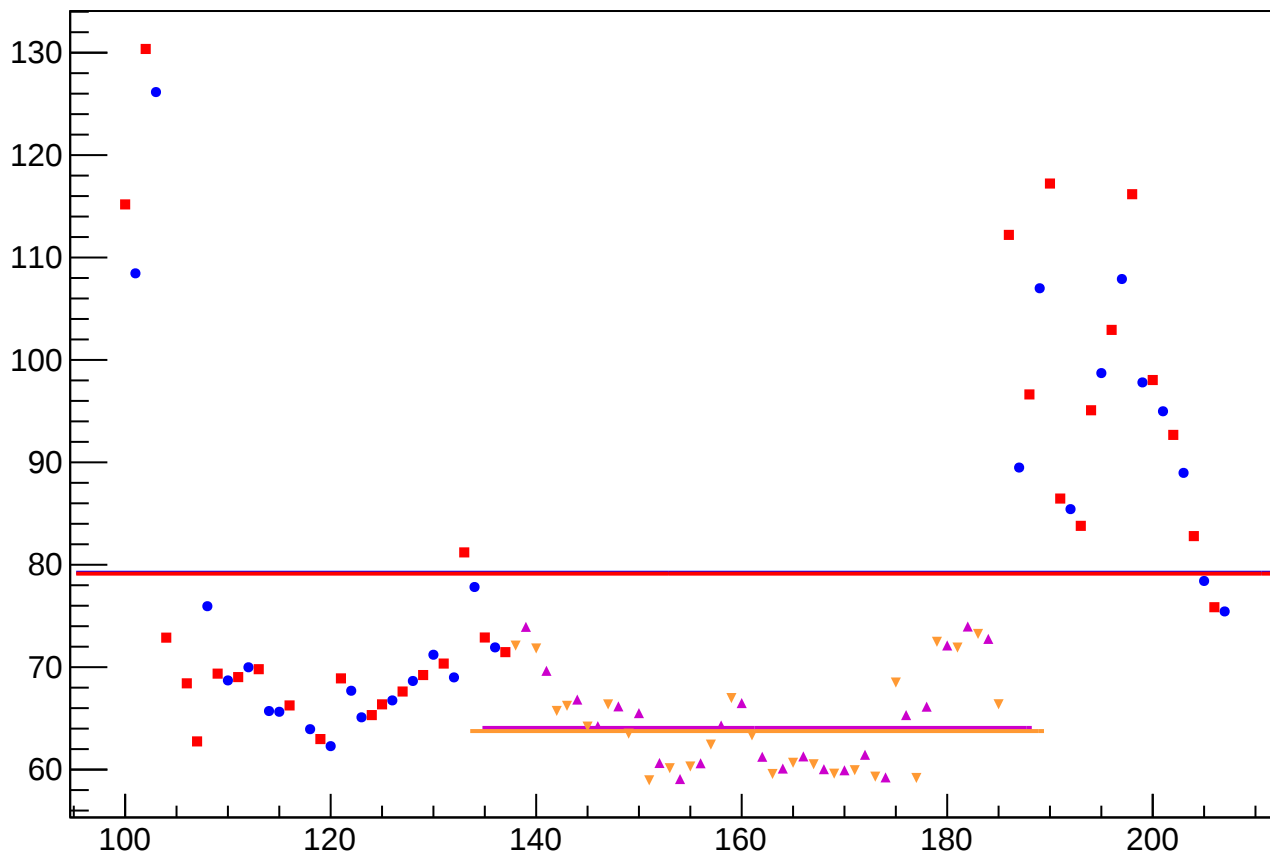
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 40.501 ± 12.278 $\chi^2/\text{NDF}: 99.4/51$

All: -3.623 ± 8.713 $\chi^2/\text{NDF}: 243.1/105$

- sign -48.400 ± 12.368 $\chi^2/\text{NDF}: 117.7/53$

reg_asym_sam7_rms vs Slug



Right In: 79.222 $\pm$ 0.015 χ^2 /NDF: 884542.7/26

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF: 192803.8/24

Right Out: 79.134 $\pm$ 0.015 χ^2 /NDF: 1094746.3/30

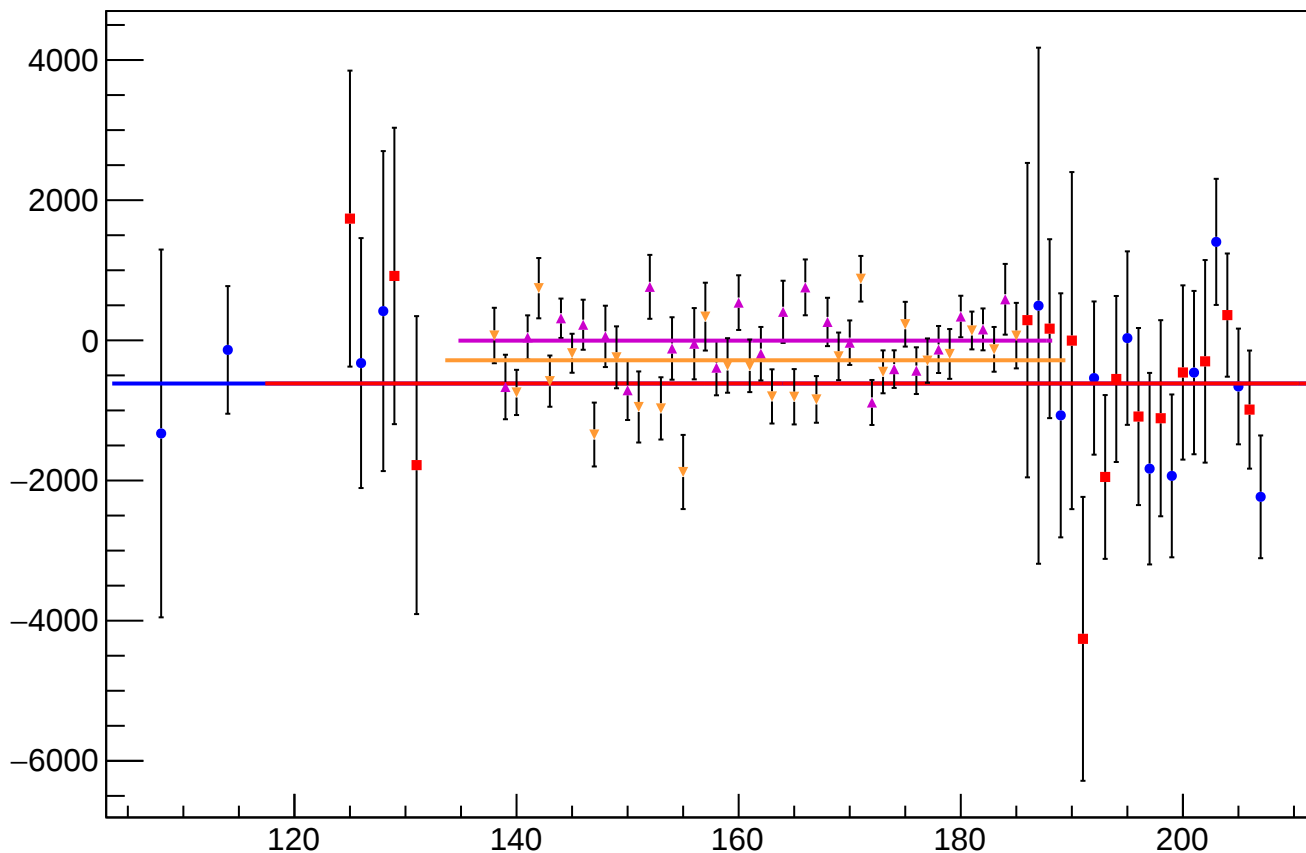
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 68.696 $\pm$ 0.009 χ^2 /NDF: 1766518.9/51

All: 69.034 $\pm$ 0.006 χ^2 /NDF: 3706254.9/105

- sign 69.378 $\pm$ 0.009 χ^2 /NDF: 1936671.5/53

asym_sam7_correction_mean vs Slug



Right In: -616.041 ± 319.928 χ^2/NDF : 11.6/13

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -615.284 ± 346.916 χ^2/NDF : 9.0/14

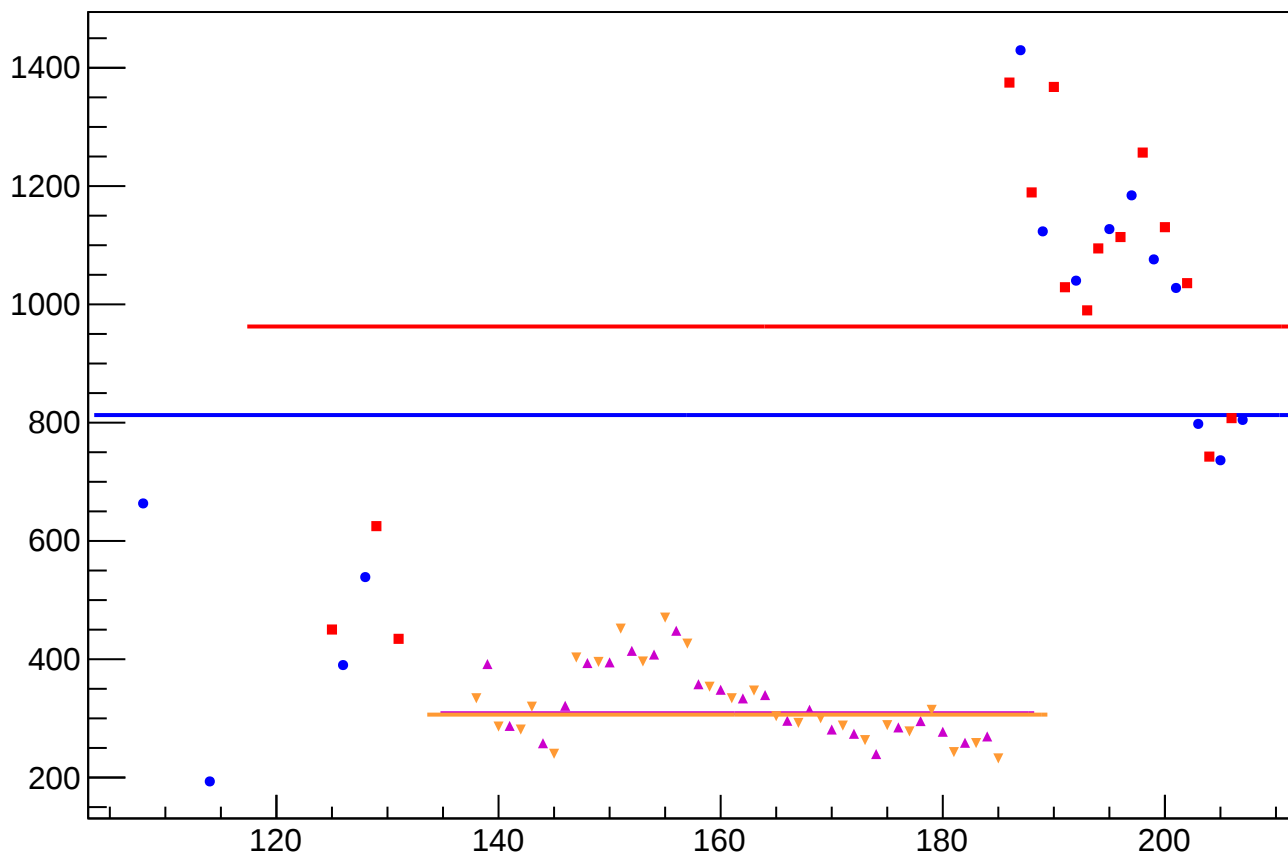
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -300.606 ± 70.923 χ^2/NDF : 67.6/38

All: -170.590 ± 50.998 χ^2/NDF : 118.9/76

- sign -31.389 ± 73.385 χ^2/NDF : 44.3/37

asym_sam7_correction_rms vs Slug



Right In: 812.847 $\pm$ 0.226 χ^2 /NDF: 1744935.7/13

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF:1215669.9/24

Right Out: 962.584 $\pm$ 0.245 χ^2 /NDF: 859156.5/14

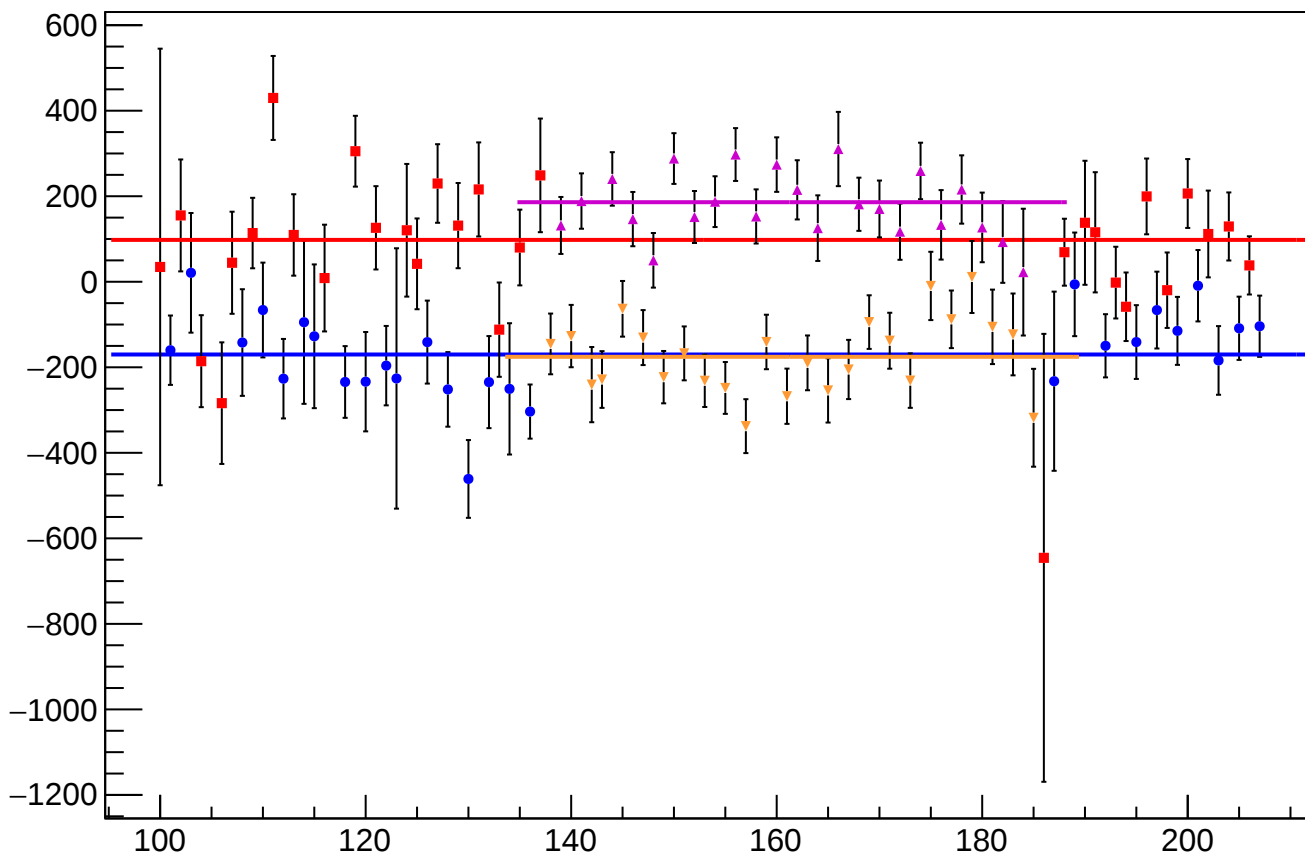
Left In: 308.727 $\pm$ 0.053 χ^2 /NDF:1002947.4/22

+ sign 331.253 $\pm$ 0.050 χ^2 /NDF: 7726805.9/38

All: 334.504 $\pm$ 0.036 χ^2 /NDF: 16384434.0/76

- sign 337.985 $\pm$ 0.052 χ^2 /NDF: 8648926.2/37

reg_asym_sam8_mean vs Slug



Right In: -170.077 $\pm$ 18.334 χ^2 /NDF: 29.9/26

Left Out: -175.471 $\pm$ 13.846 χ^2 /NDF: 34.6/24

Right Out: 97.902 $\pm$ 17.996 χ^2 /NDF: 54.8/30

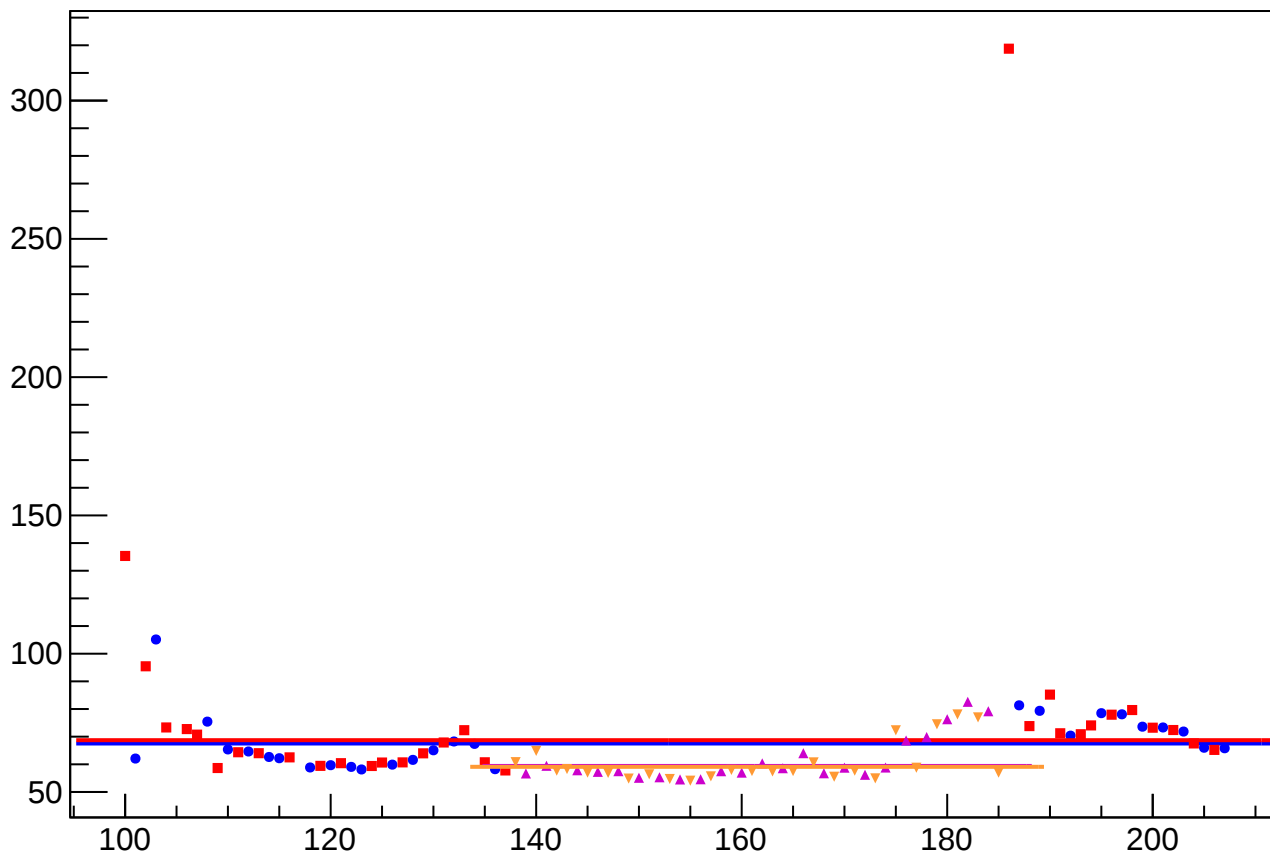
Left In: 186.047 $\pm$ 14.315 χ^2 /NDF: 23.6/22

+ sign -173.512 $\pm$ 11.049 χ^2 /NDF: 64.6/51

All: -13.065 $\pm$ 7.867 χ^2 /NDF: 585.3/105

- sign 151.886 $\pm$ 11.203 χ^2 /NDF: 93.1/53

reg_asym_sam8_rms vs Slug



Right In: 67.530 $\pm$ 0.013 χ^2 /NDF: 402595.0/26

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 68.727 $\pm$ 0.013 χ^2 /NDF: 845260.4/30

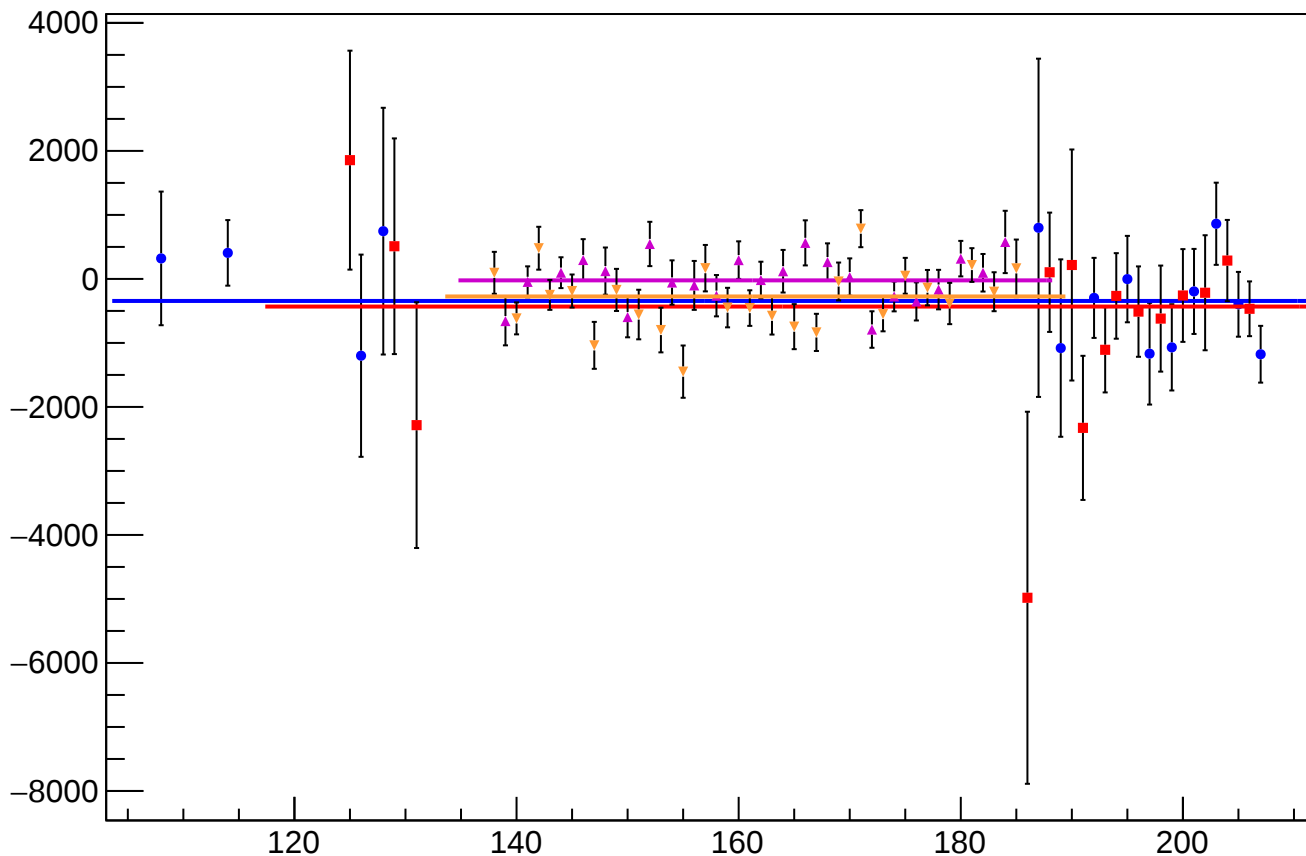
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 62.161 $\pm$ 0.008 χ^2 /NDF: 1041657.1/51

All: 62.585 $\pm$ 0.006 χ^2 /NDF: 2594235.5/105

- sign 63.021 $\pm$ 0.008 χ^2 /NDF: 1546604.1/53

asym_sam8_correction_mean vs Slug



Right In: -344.193 ± 188.052 χ^2/NDF : 13.2/13

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -431.885 ± 211.410 χ^2/NDF : 11.3/14

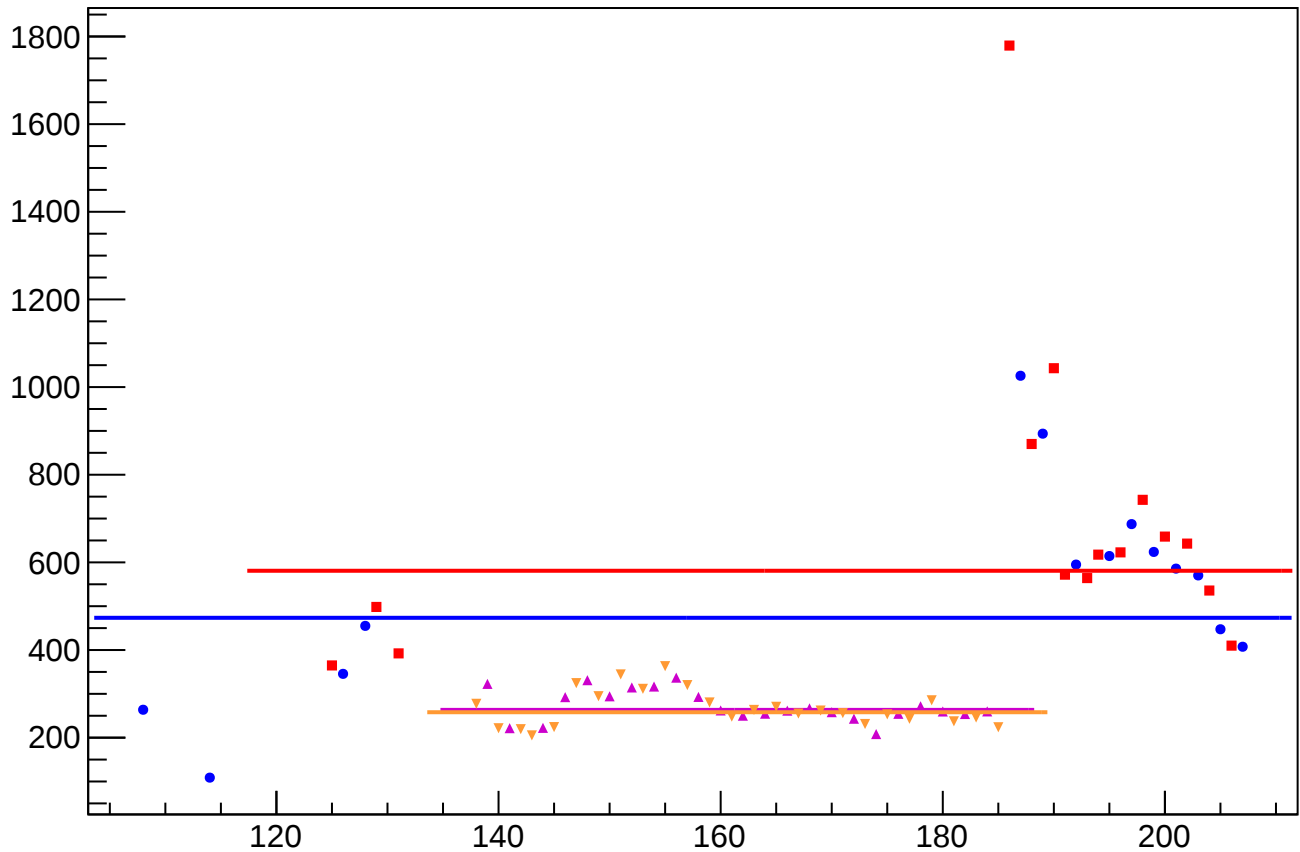
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -280.725 ± 57.851 χ^2/NDF : 67.3/38

All: -174.508 ± 41.957 χ^2/NDF : 118.1/76

- sign -56.638 ± 60.942 χ^2/NDF : 43.7/37

asym_sam8_correction_rms vs Slug



Right In: 473.526+/-0.133 χ^2/NDF : 1937944.4/13

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 580.859+/-0.149 χ^2/NDF : 1172552.0/14

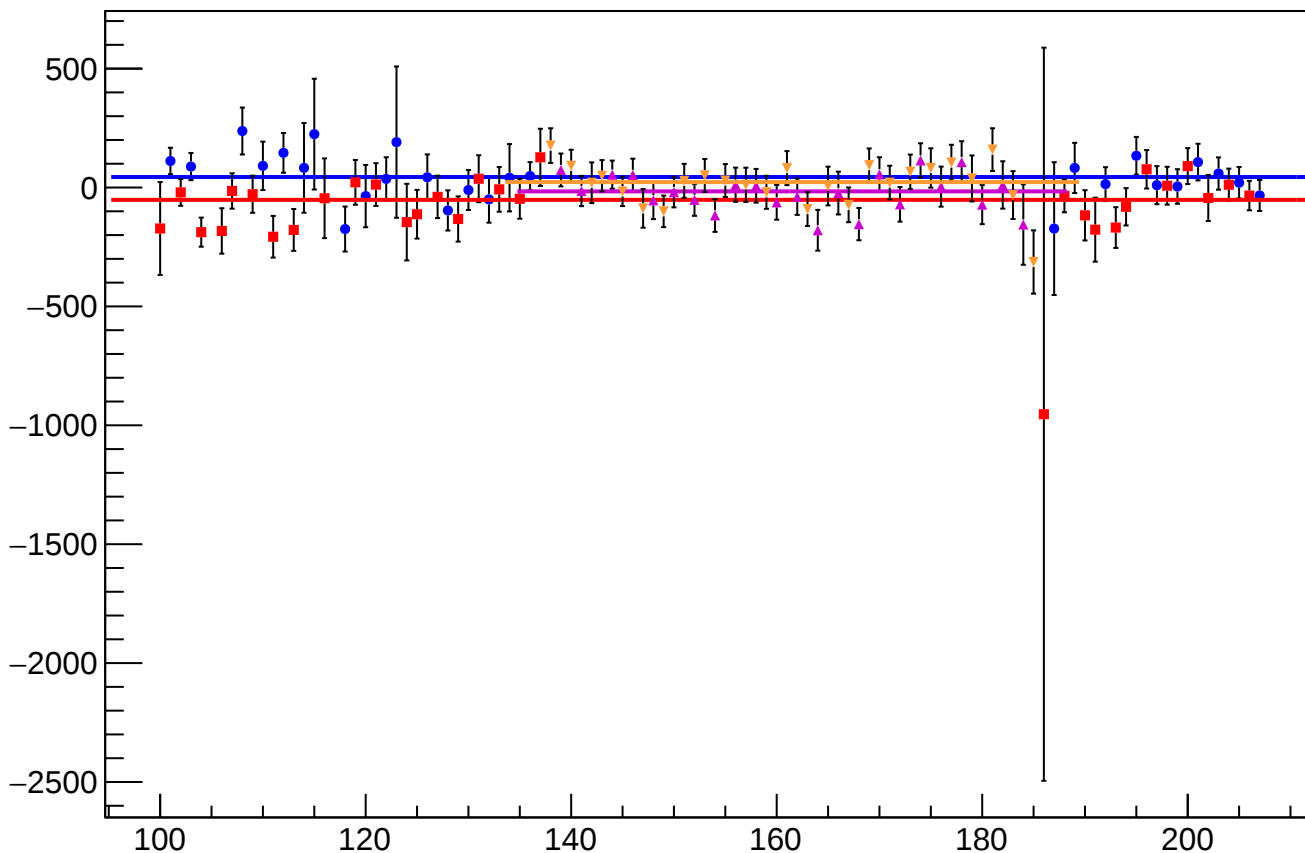
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 278.433+/-0.041 χ^2/NDF : 5040344.6/38

All: 283.810+/-0.030 χ^2/NDF : 10970072.6/76

- sign 289.776+/-0.043 χ^2/NDF : 5893282.0/37

reg_asym_sam_15_avg_mean vs Slug



Right In: 44.077 ± 16.210 χ^2/NDF : 23.2/26

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -51.775 ± 15.589 χ^2/NDF : 30.1/30

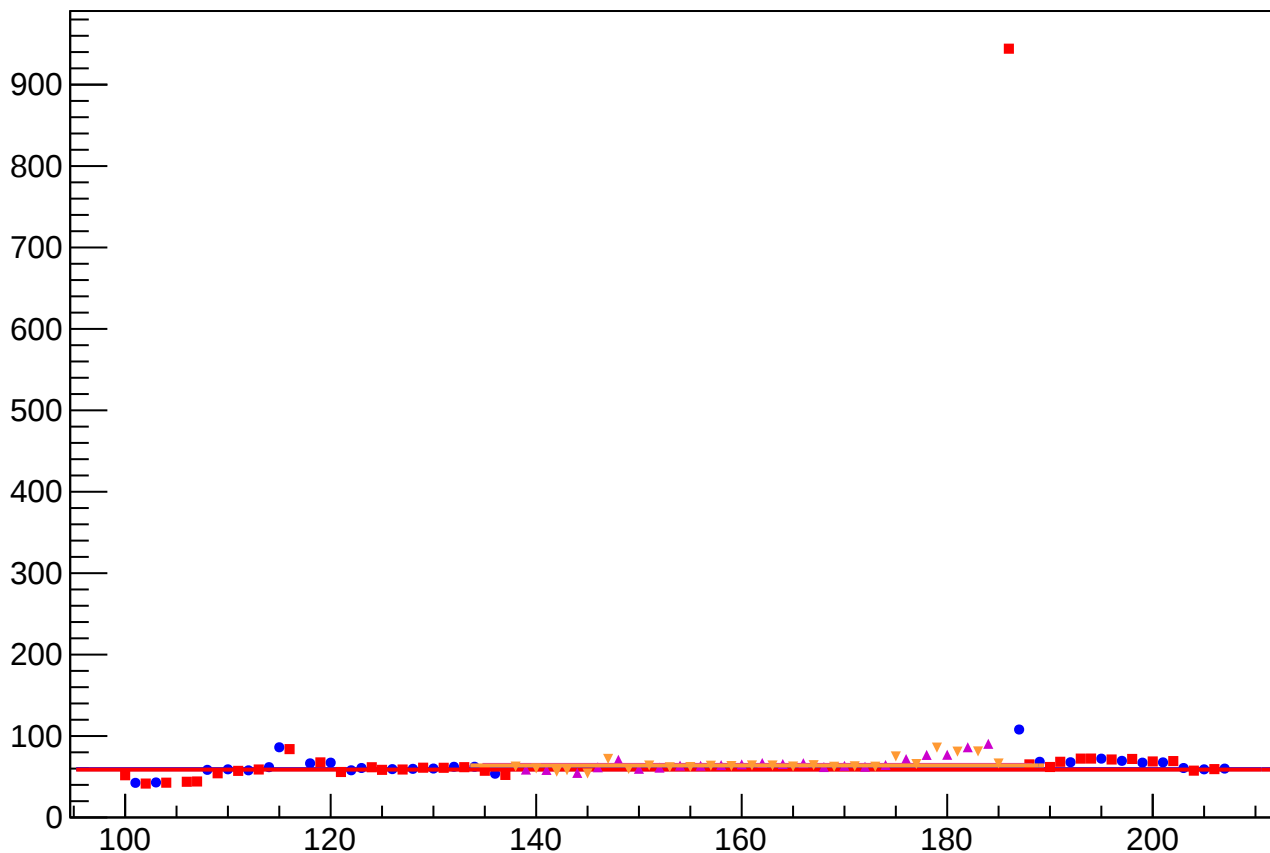
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 32.630 ± 10.997 χ^2/NDF : 53.1/51

All: -0.628 ± 7.778 χ^2/NDF : 127.4/105

- sign -33.921 ± 11.002 χ^2/NDF : 56.0/53

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.319+/-0.011 χ^2/NDF : 651111.9/26

Left Out: 63.920+/-0.011 χ^2/NDF : 395410.4/24

Right Out: 58.769+/-0.011 χ^2/NDF : 1494017.5/30

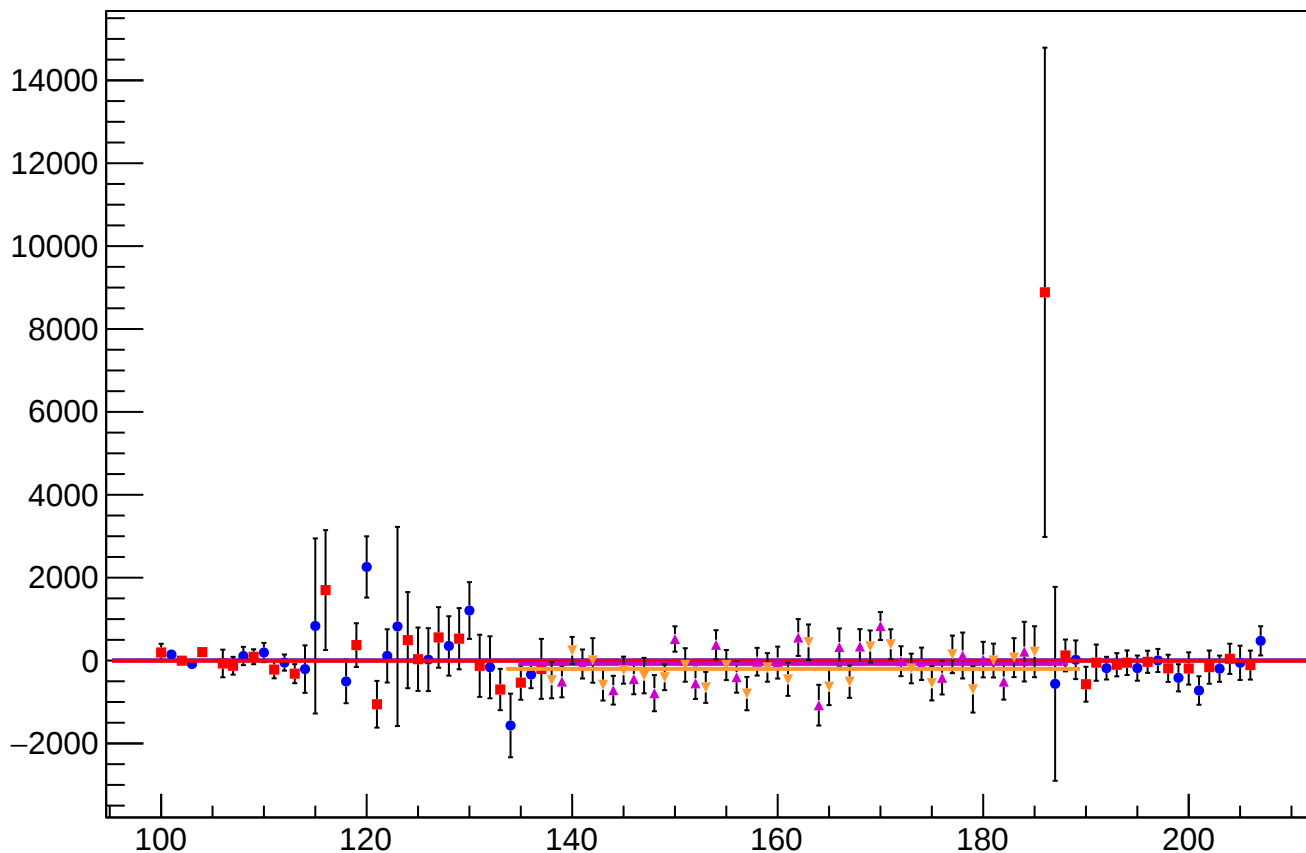
Left In: 64.511+/-0.011 χ^2/NDF : 370515.2/22

+ sign 61.802+/-0.008 χ^2/NDF : 1133501.7/51

All: 61.726+/-0.005 χ^2/NDF : 3134416.4/105

- sign 61.650+/-0.008 χ^2/NDF : 2000724.0/53

asym_sam_15_avg_correction_mean vs Slug



Right In: 3.951 ± 46.641 χ^2/NDF : 33.5/26

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -3.802 ± 47.363 χ^2/NDF : 24.2/30

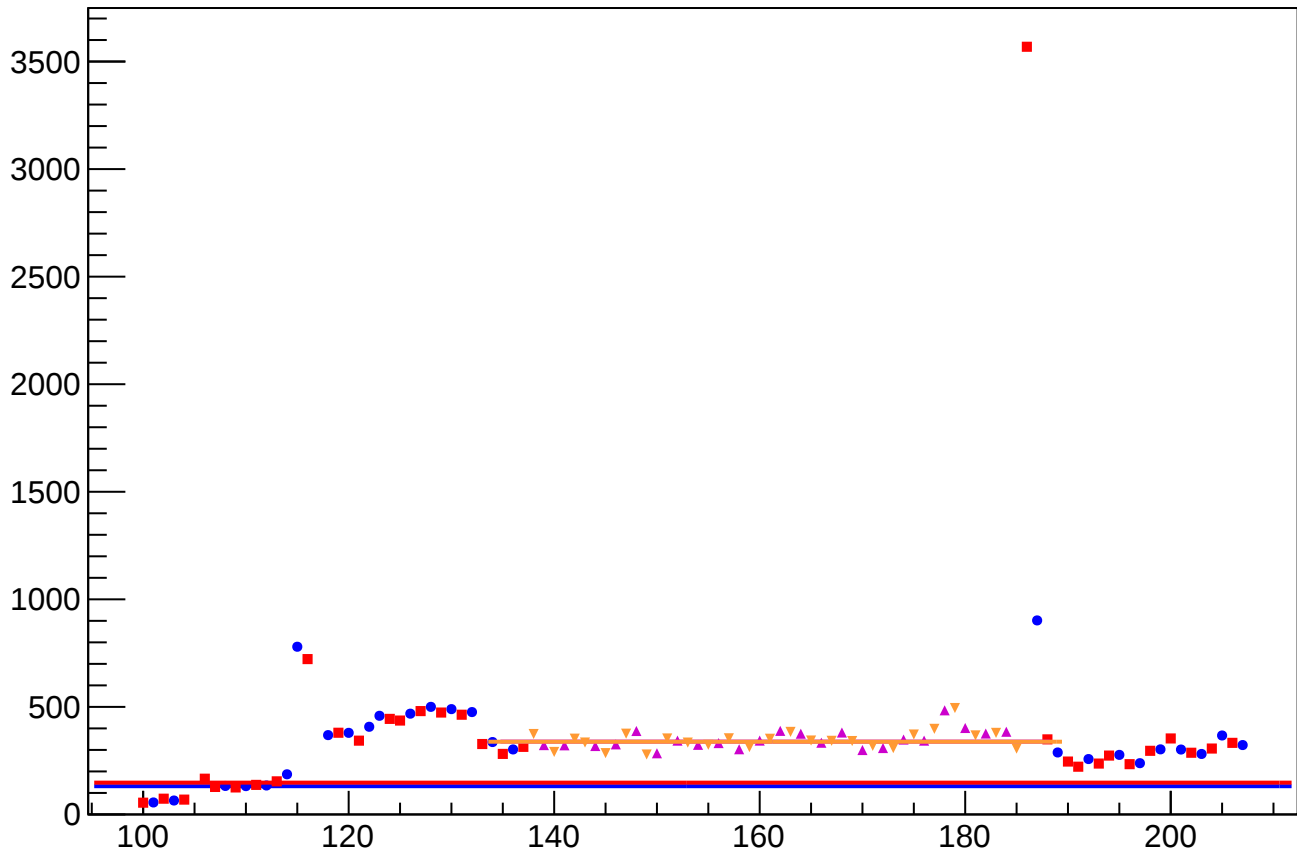
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -48.502 ± 40.235 χ^2/NDF : 58.1/51

All: -35.956 ± 28.712 χ^2/NDF : 116.5/105

- sign -22.937 ± 40.986 χ^2/NDF : 58.2/53

asym_sam_15_avg_correction_rms vs Slug



Right In: 131.347 $\pm$ 0.033 χ^2 /NDF: 11040800.3/26

Left Out: 338.130 $\pm$ 0.056 χ^2 /NDF: 498601.7/24

Right Out: 147.914 $\pm$ 0.033 χ^2 /NDF: 10192130.1/30

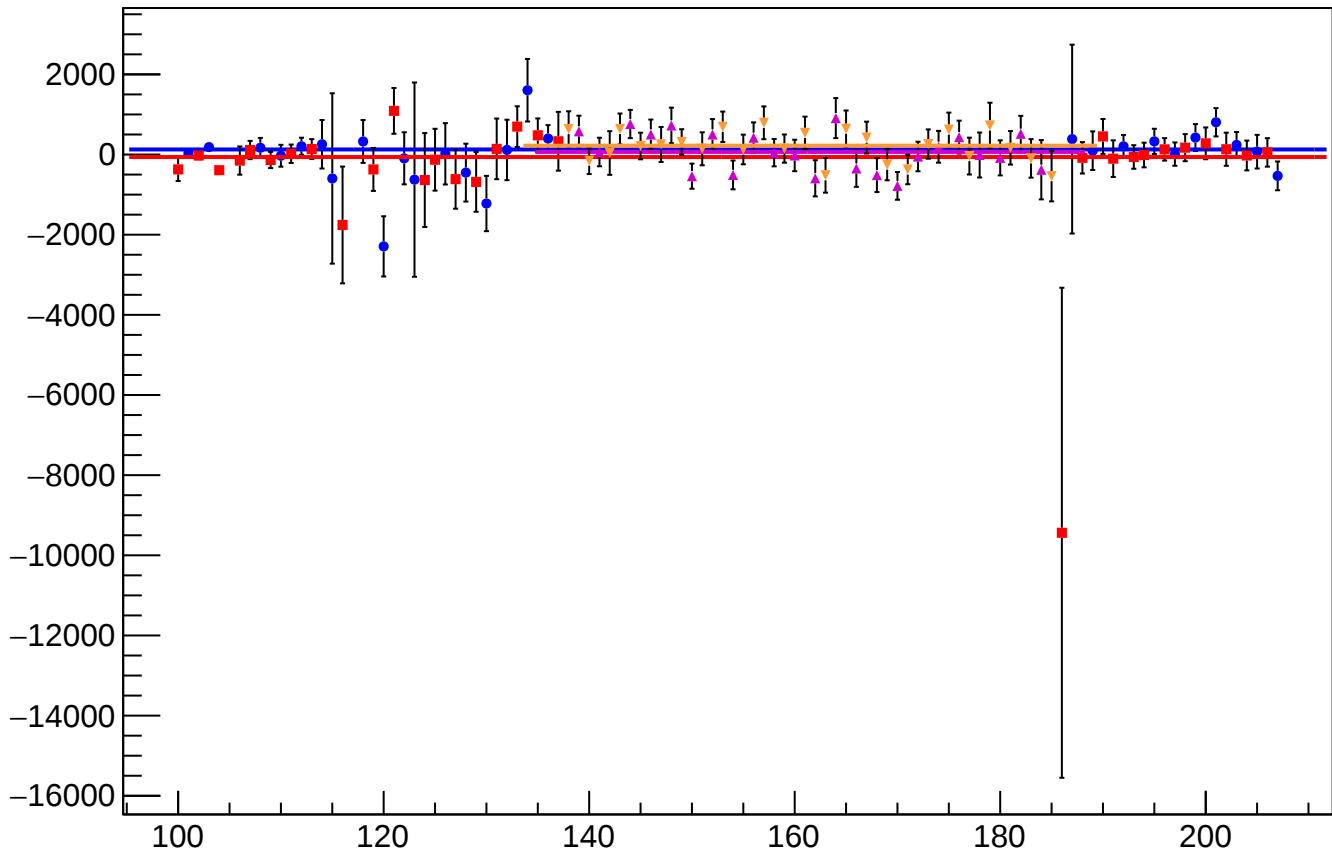
Left In: 338.564 $\pm$ 0.058 χ^2 /NDF: 437243.0/22

+ sign 184.247 $\pm$ 0.028 χ^2 /NDF: 21596364.3/51

All: 189.916 $\pm$ 0.020 χ^2 /NDF: 40445884.6/10

- sign 195.799 $\pm$ 0.029 χ^2 /NDF: 18768620.7/53

asym_sam_15_avg_mean vs Slug



Right In: 126.784 $\pm$ 55.116 χ^2 /NDF: 29.8/26

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -62.373 $\pm$ 52.891 χ^2 /NDF: 27.5/30

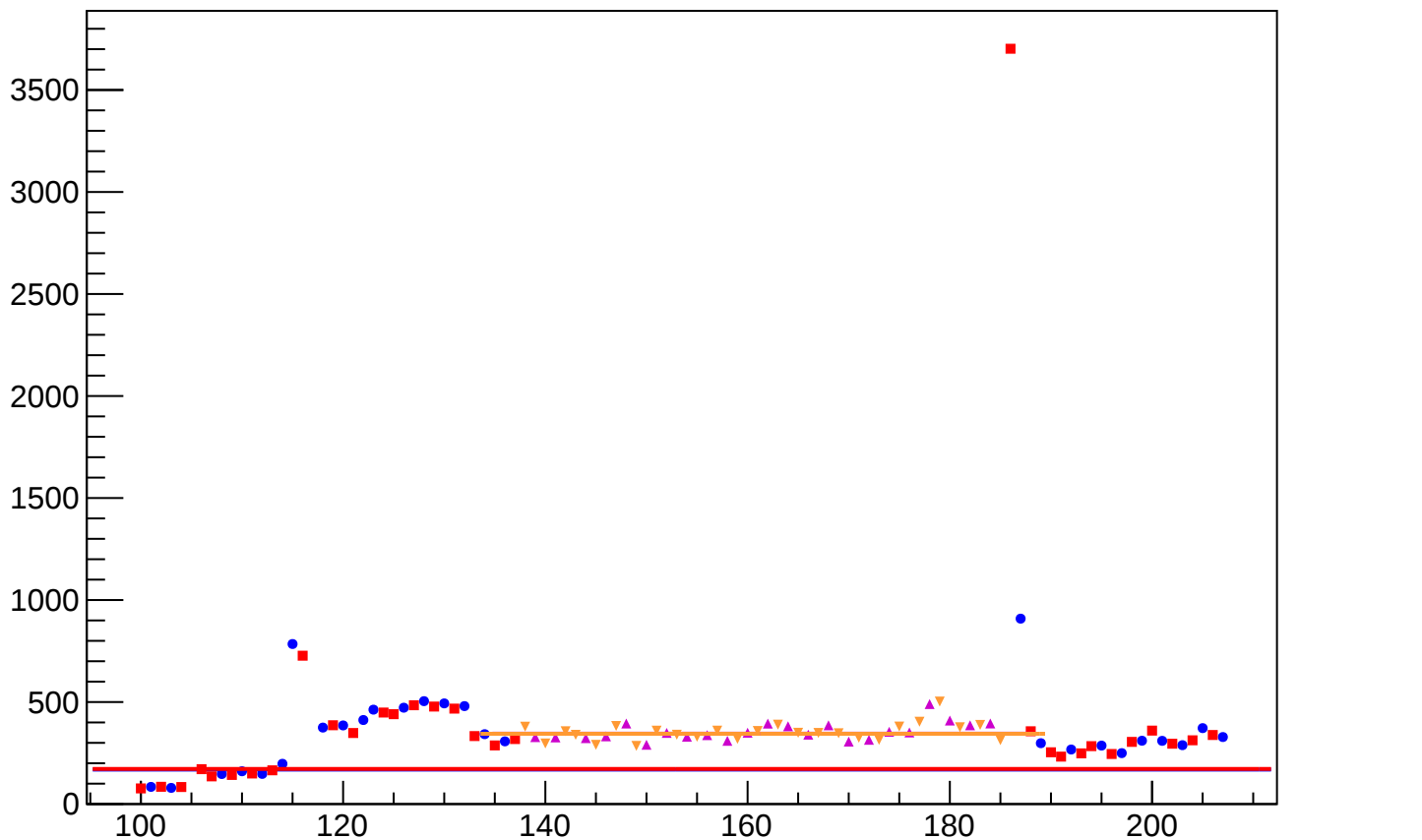
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 156.617 $\pm$ 45.570 χ^2 /NDF: 50.4/51

All: 63.636 $\pm$ 31.894 χ^2 /NDF: 121.8/105

- sign -25.642 $\pm$ 44.654 χ^2 /NDF: 63.2/53

asym_sam_15_avg_rms vs Slug



Right In: 169.138+/-0.039 χ^2/NDF : 8368597.1/26

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 172.101+/-0.037 χ^2/NDF : 8569613.0/30

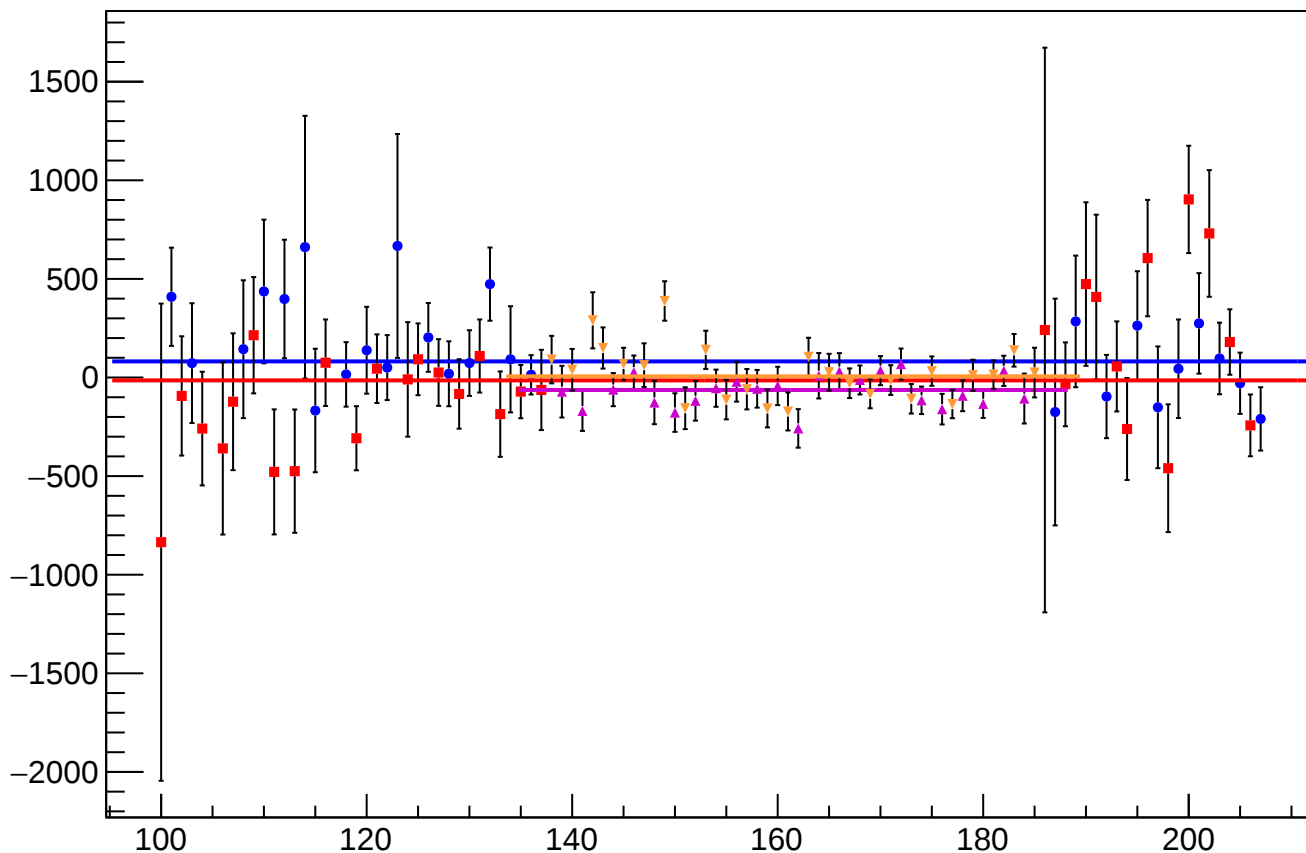
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 224.619+/-0.032 χ^2/NDF : 15262862.4/51

All: 223.168+/-0.023 χ^2/NDF : 30405332.3/10

- sign 221.774+/-0.032 χ^2/NDF : 15138491.7/53

reg_asym_sam_26_avg_mean vs Slug



Right In: 81.669 ± 40.386 $\chi^2/\text{NDF}: 18.8/26$

Left Out: 6.020 ± 17.910 $\chi^2/\text{NDF}: 46.0/24$

Right Out: -14.676 ± 41.209 $\chi^2/\text{NDF}: 42.3/30$

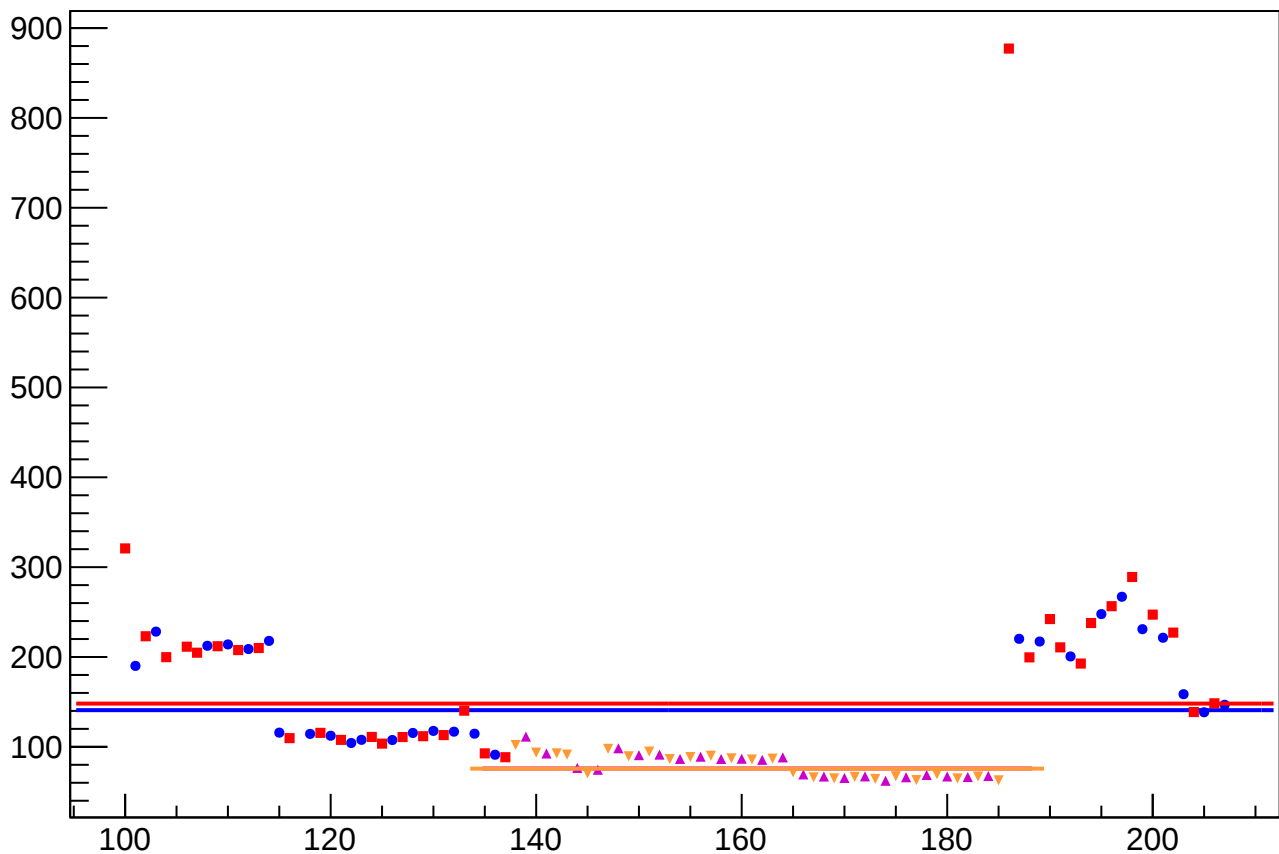
Left In: -63.279 ± 18.447 $\chi^2/\text{NDF}: 19.8/22$

+ sign 18.452 ± 16.372 $\chi^2/\text{NDF}: 67.7/51$

All: -17.327 ± 11.738 $\chi^2/\text{NDF}: 140.8/105$

- sign -55.166 ± 16.837 $\chi^2/\text{NDF}: 63.3/53$

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.814 $\pm$ 0.029 χ^2 /NDF: 2867328.9/26

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 148.123 $\pm$ 0.029 χ^2 /NDF: 3874063.3/30

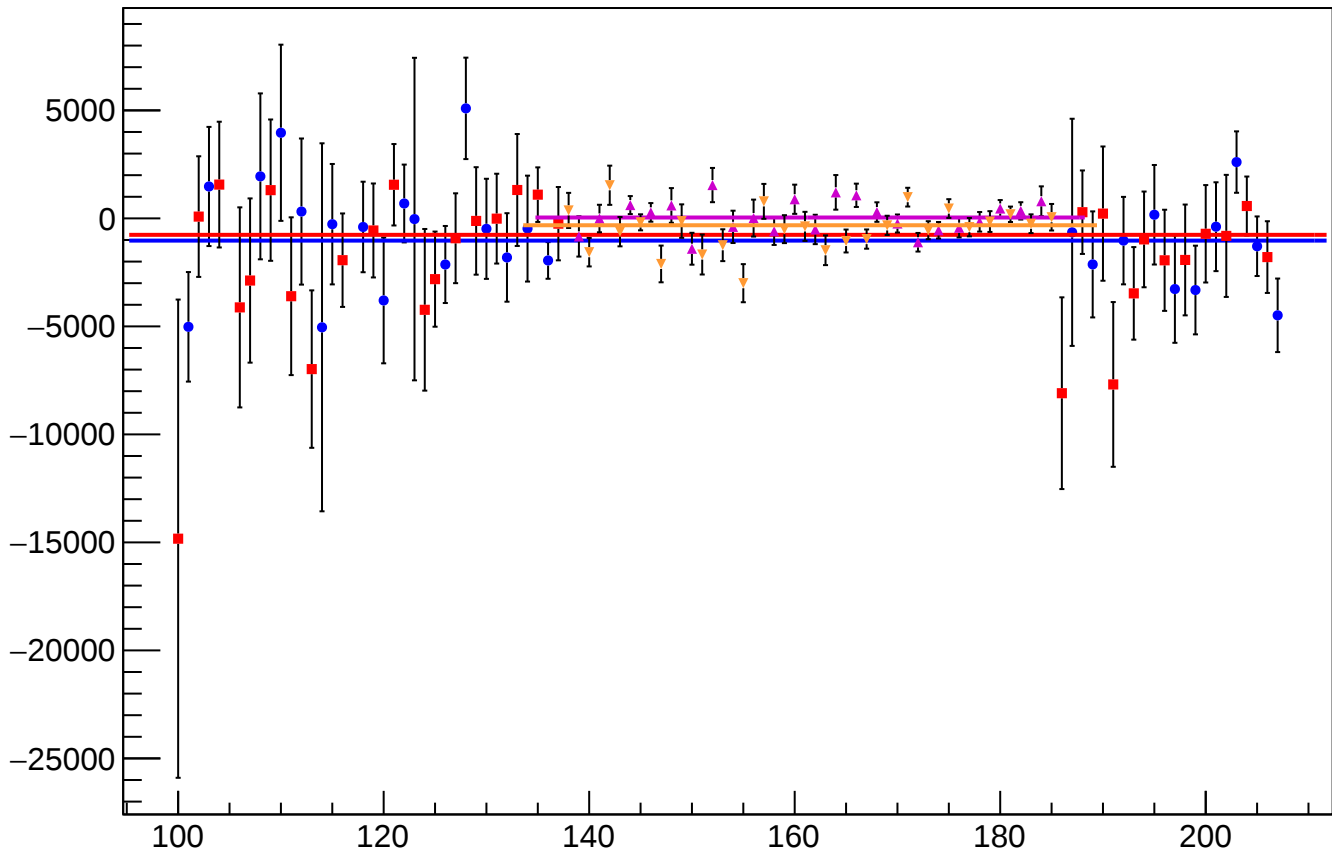
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 86.437 $\pm$ 0.012 χ^2 /NDF: 8144079.9/51

All: 87.179 $\pm$ 0.008 χ^2 /NDF: 17974271.6/105

- sign 87.964 $\pm$ 0.012 χ^2 /NDF: 9821738.7/53

asym_sam_26_avg_correction_mean vs Slug



Right In: -1028.765 $\pm$ 394.393 χ^2/NDF : 29.7/26

Left Out: -318.064 $\pm$ 108.014 χ^2/NDF : 50.0/24

Right Out: -761.697 $\pm$ 414.760 χ^2/NDF : 23.6/30

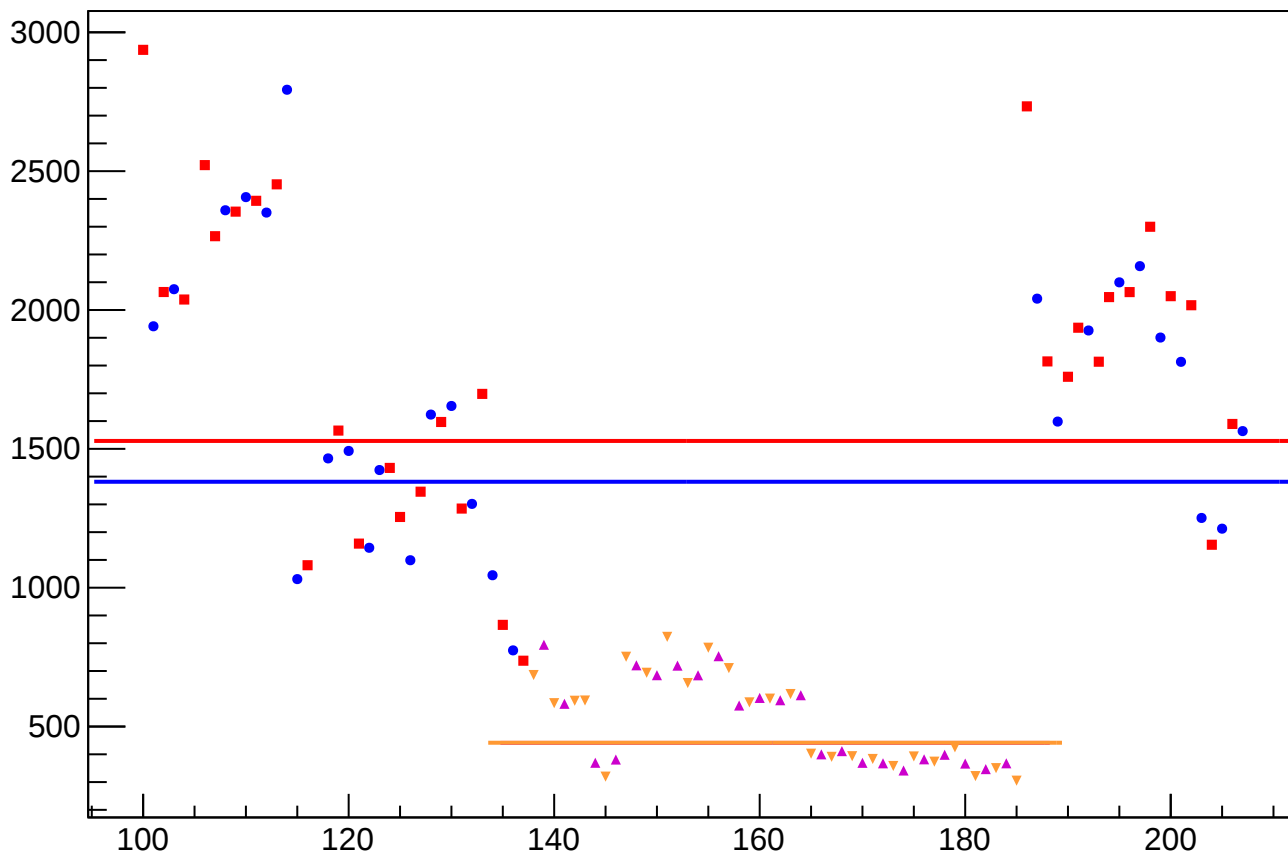
Left In: 40.473 $\pm$ 110.252 χ^2/NDF : 34.7/22

+ sign -367.652 $\pm$ 104.177 χ^2/NDF : 82.8/51

All: -194.063 $\pm$ 74.490 χ^2/NDF : 150.2/105

- sign -12.469 $\pm$ 106.552 χ^2/NDF : 61.8/53

asym_sam_26_avg_correction_rms vs Slug



Right In: 1381.479+/-0.279 χ^2/NDF : 2803559.4/26

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

Right Out: 1528.473+/-0.293 χ^2/NDF : 2910757.9/30

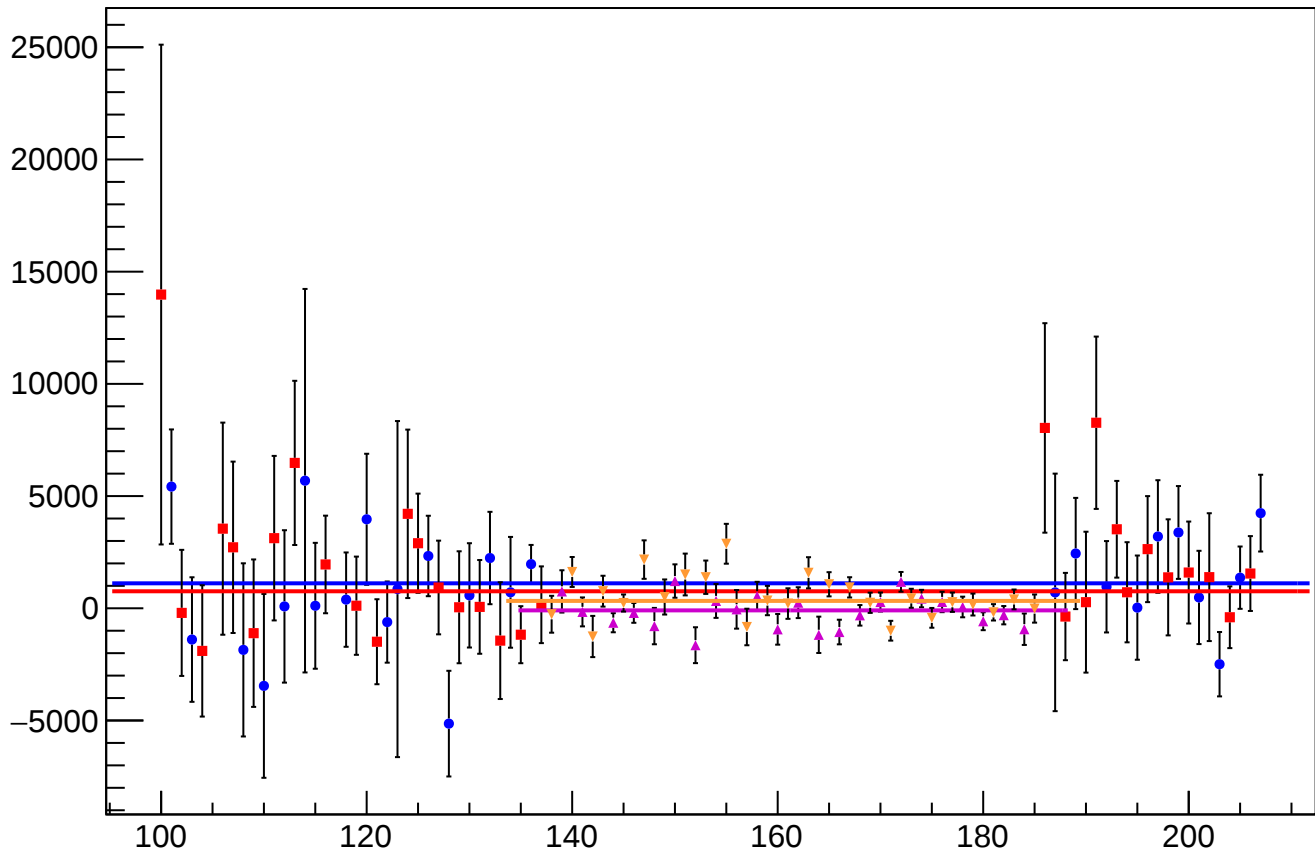
Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

+ sign 507.257+/-0.074 χ^2/NDF : 16536662.6/51

All: 509.956+/-0.053 χ^2/NDF : 34888657.5/10

- sign 512.779+/-0.075 χ^2/NDF : 18349248.4/53

asym_sam_26_avg_mean vs Slug



Right In: 1112.597 ± 396.935 $\chi^2/\text{NDF}: 29.1/26$

Left Out: 328.599 ± 109.668 $\chi^2/\text{NDF}: 47.7/24$

Right Out: 757.529 ± 417.405 $\chi^2/\text{NDF}: 23.2/30$

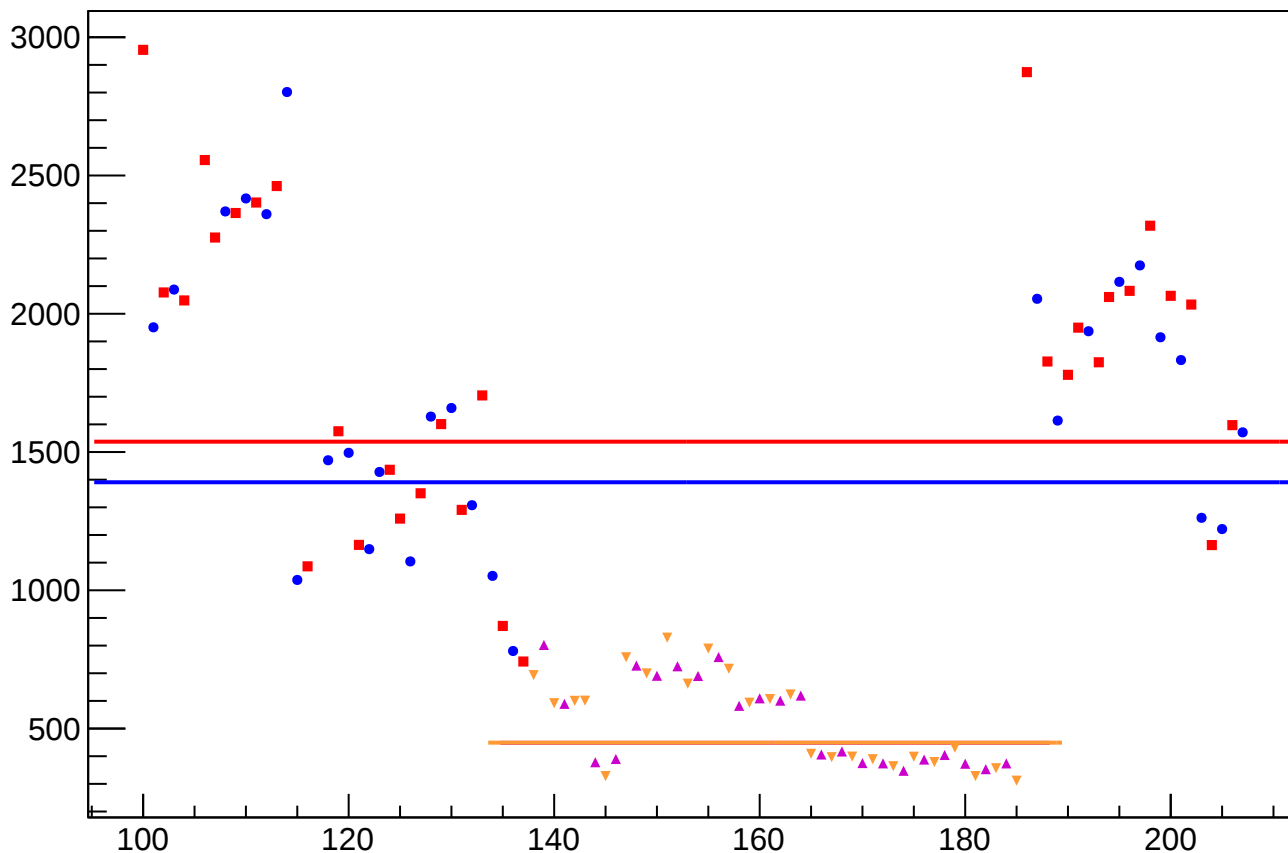
Left In: -93.310 ± 111.960 $\chi^2/\text{NDF}: 33.3/22$

+ sign 384.201 ± 105.708 $\chi^2/\text{NDF}: 80.4/51$

All: 178.774 ± 75.591 $\chi^2/\text{NDF}: 148.5/105$

- sign -36.204 ± 108.137 $\chi^2/\text{NDF}: 60.4/53$

asym_sam_26_avg_rms vs Slug



Right In: 1390.677 $\pm$ 0.281 χ^2 /NDF: 2794652.8/26

Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF: 3090476.2/24

Right Out: 1537.452 $\pm$ 0.295 χ^2 /NDF: 2930493.4/30

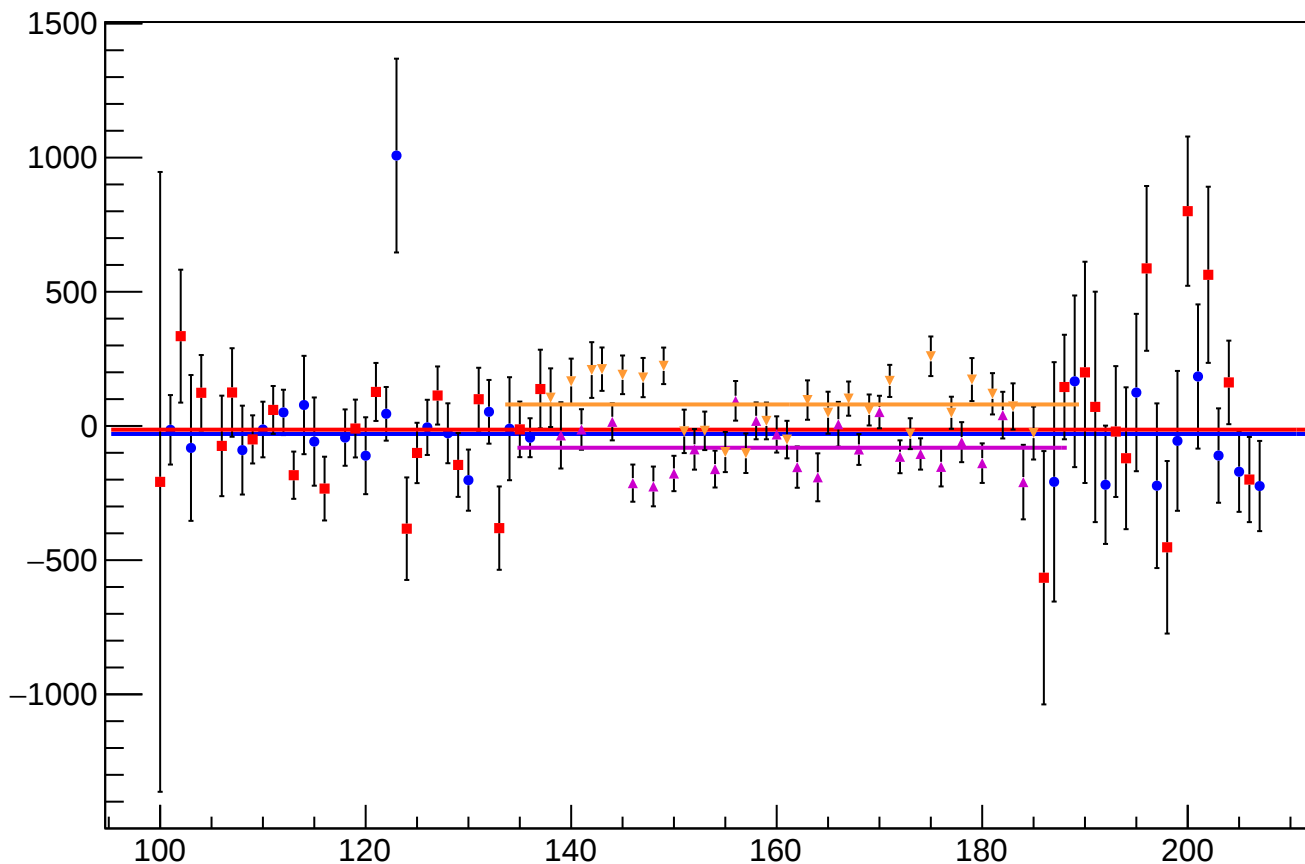
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF: 2537376.0/22

+ sign 515.800 $\pm$ 0.075 χ^2 /NDF: 16342733.2/51

All: 518.540 $\pm$ 0.053 χ^2 /NDF: 34516553.6/10

- sign 521.408 $\pm$ 0.076 χ^2 /NDF: 18171070.2/53

reg_asym_sam_37_avg_mean vs Slug



Right In: -29.832 ± 26.769 $\chi^2/\text{NDF}: 18.5/26$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -13.788 ± 26.102 $\chi^2/\text{NDF}: 50.5/30$

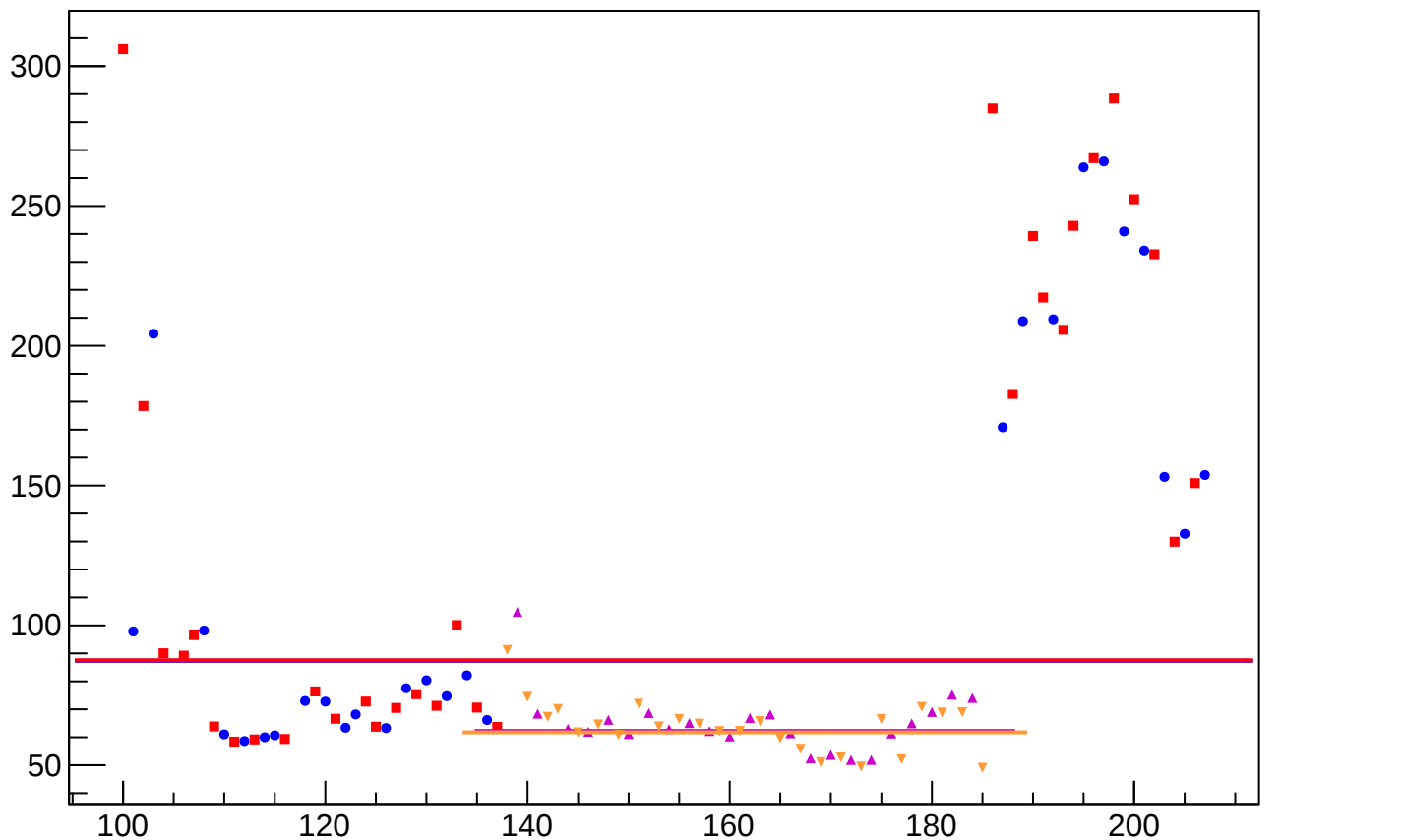
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 54.971 ± 12.812 $\chi^2/\text{NDF}: 80.1/51$

All: -3.436 ± 9.151 $\chi^2/\text{NDF}: 213.3/105$

- sign -64.255 ± 13.074 $\chi^2/\text{NDF}: 90.7/53$

reg_asym_sam_37_avg_rms vs Slug



Right In: 87.339 $\pm$ 0.019 χ^2 /NDF: 5796328.5/26

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 87.536 $\pm$ 0.018 χ^2 /NDF: 6914230.5/30

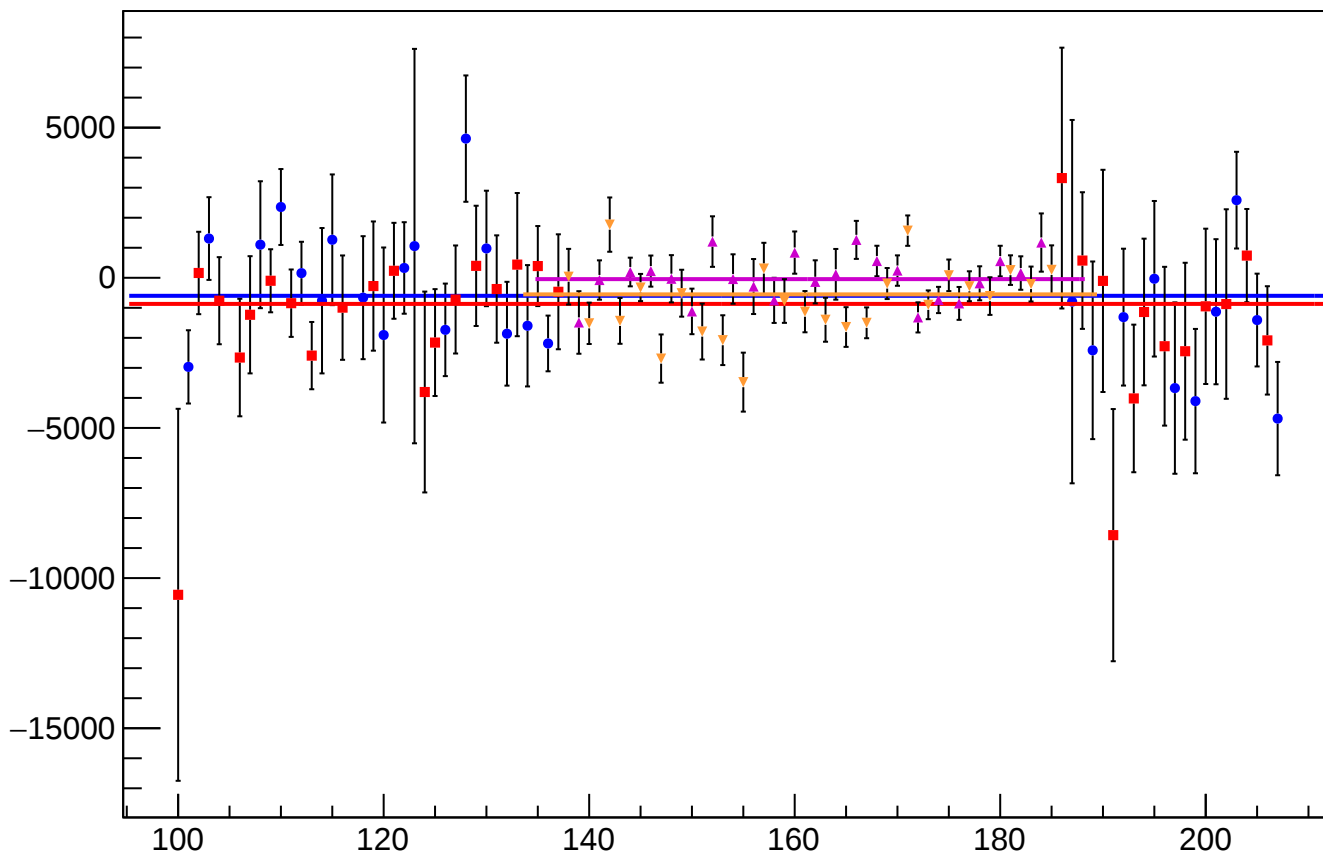
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 67.620 $\pm$ 0.009 χ^2 /NDF: 7849530.0/51

All: 68.097 $\pm$ 0.006 χ^2 /NDF: 16766570.0/105

- sign 68.594 $\pm$ 0.009 χ^2 /NDF: 8911383.6/53

asym_sam_37_avg_correction_mean vs Slug



Right In: -600.145 ± 336.068 $\chi^2/\text{NDF}: 37.5/26$

Left Out: -552.511 ± 126.981 $\chi^2/\text{NDF}: 65.3/24$

Right Out: -869.822 ± 329.278 $\chi^2/\text{NDF}: 18.9/30$

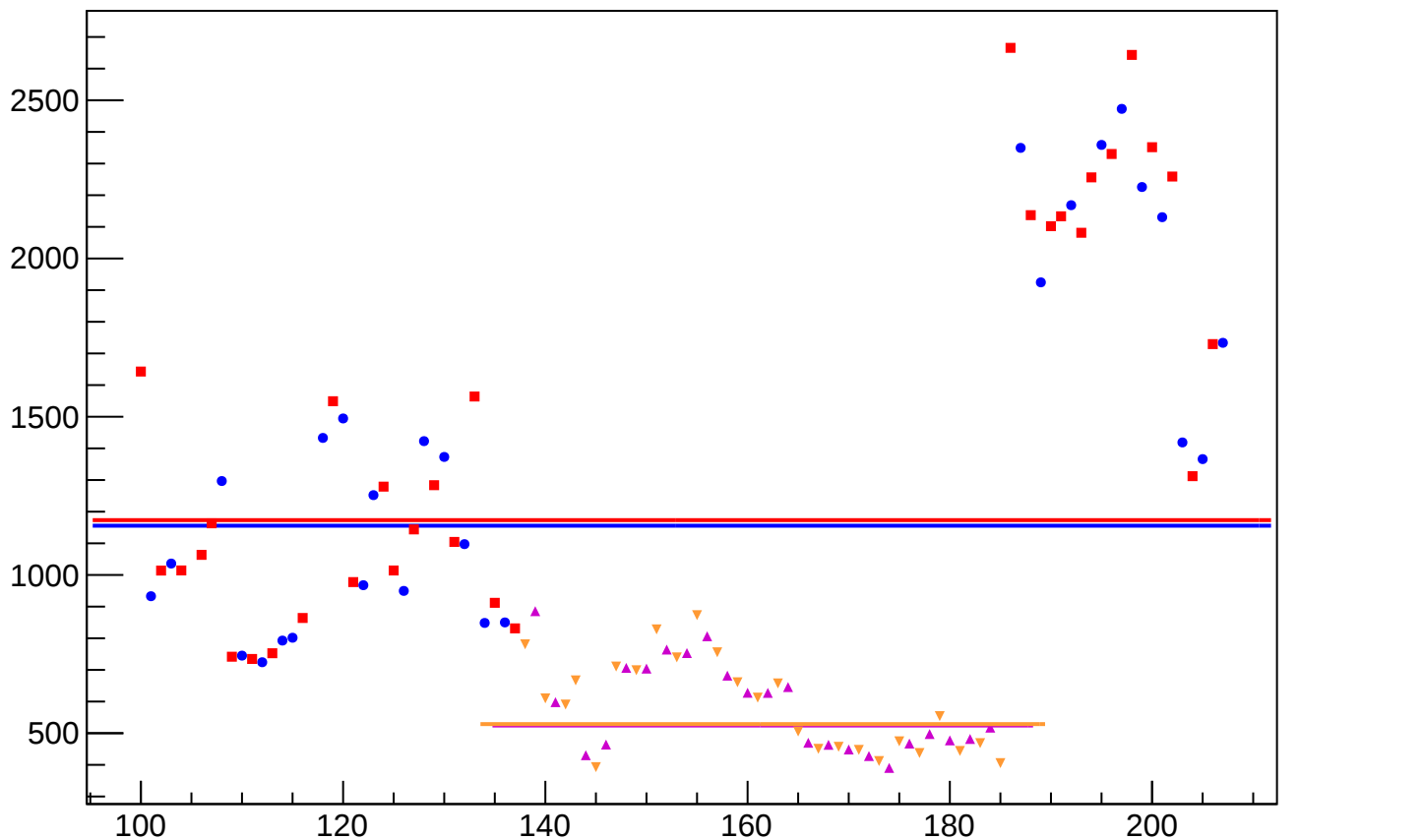
Left In: -44.578 ± 129.095 $\chi^2/\text{NDF}: 29.6/22$

+ sign -558.462 ± 118.785 $\chi^2/\text{NDF}: 102.9/51$

All: -358.864 ± 84.485 $\chi^2/\text{NDF}: 162.4/105$

- sign -154.524 ± 120.188 $\chi^2/\text{NDF}: 53.8/53$

asym_sam_37_avg_correction_rms vs Slug



Right In: 1155.678 $\pm$ 0.238 χ^2 /NDF: 3661579.8/26

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

Right Out: 1173.294 $\pm$ 0.233 χ^2 /NDF: 4602221.2/30

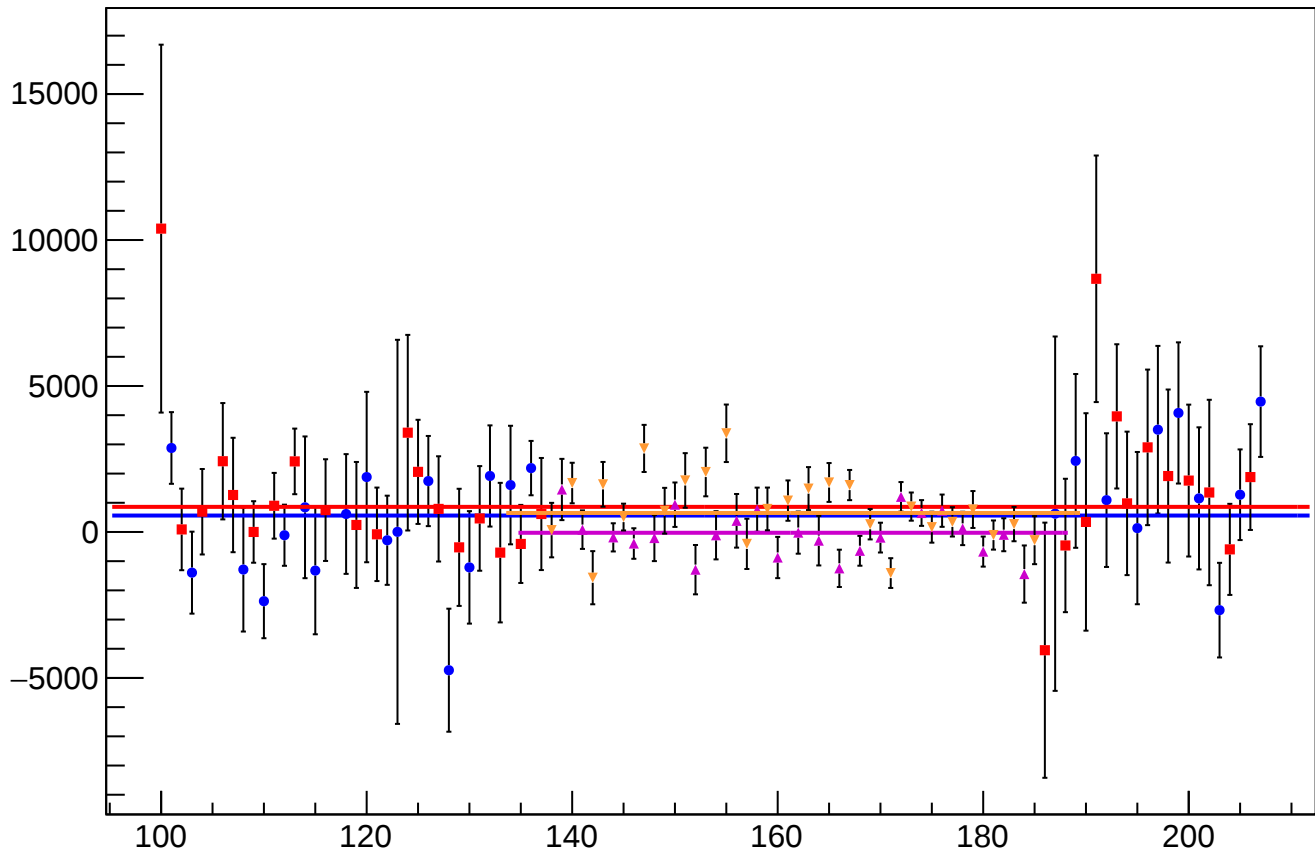
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 607.060 $\pm$ 0.084 χ^2 /NDF: 11736073.0/51

All: 608.876 $\pm$ 0.060 χ^2 /NDF: 24790417.8/10

- sign 610.736 $\pm$ 0.085 χ^2 /NDF: 13053398.0/53

asym_sam_37_avg_mean vs Slug



Right In: 562.821 $\pm$ 337.677 χ^2 /NDF: 37.1/26

Left Out: 651.560 $\pm$ 127.961 χ^2 /NDF: 61.1/24

Right Out: 860.229 $\pm$ 330.970 χ^2 /NDF: 17.8/30

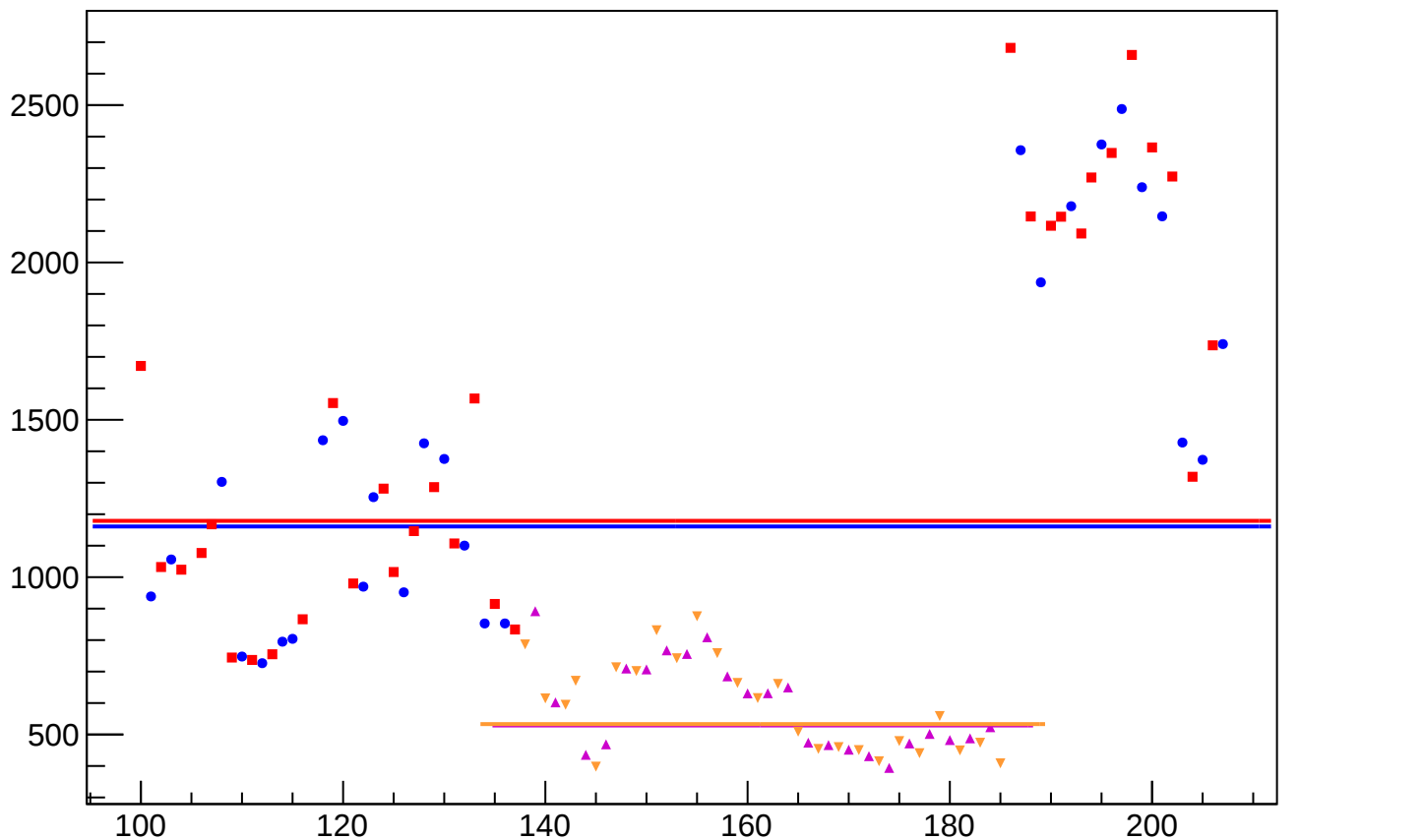
Left In: -27.483 $\pm$ 130.127 χ^2 /NDF: 28.5/22

+ sign 640.417 $\pm$ 119.658 χ^2 /NDF: 98.3/51

All: 369.188 $\pm$ 85.117 χ^2 /NDF: 161.2/105

- sign 91.368 $\pm$ 121.103 χ^2 /NDF: 52.5/53

asym_sam_37_avg_rms vs Slug



Right In: 1161.033 $\pm$ 0.239 χ^2 /NDF: 3669344.4/26

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 1178.926 $\pm$ 0.234 χ^2 /NDF: 4612009.2/30

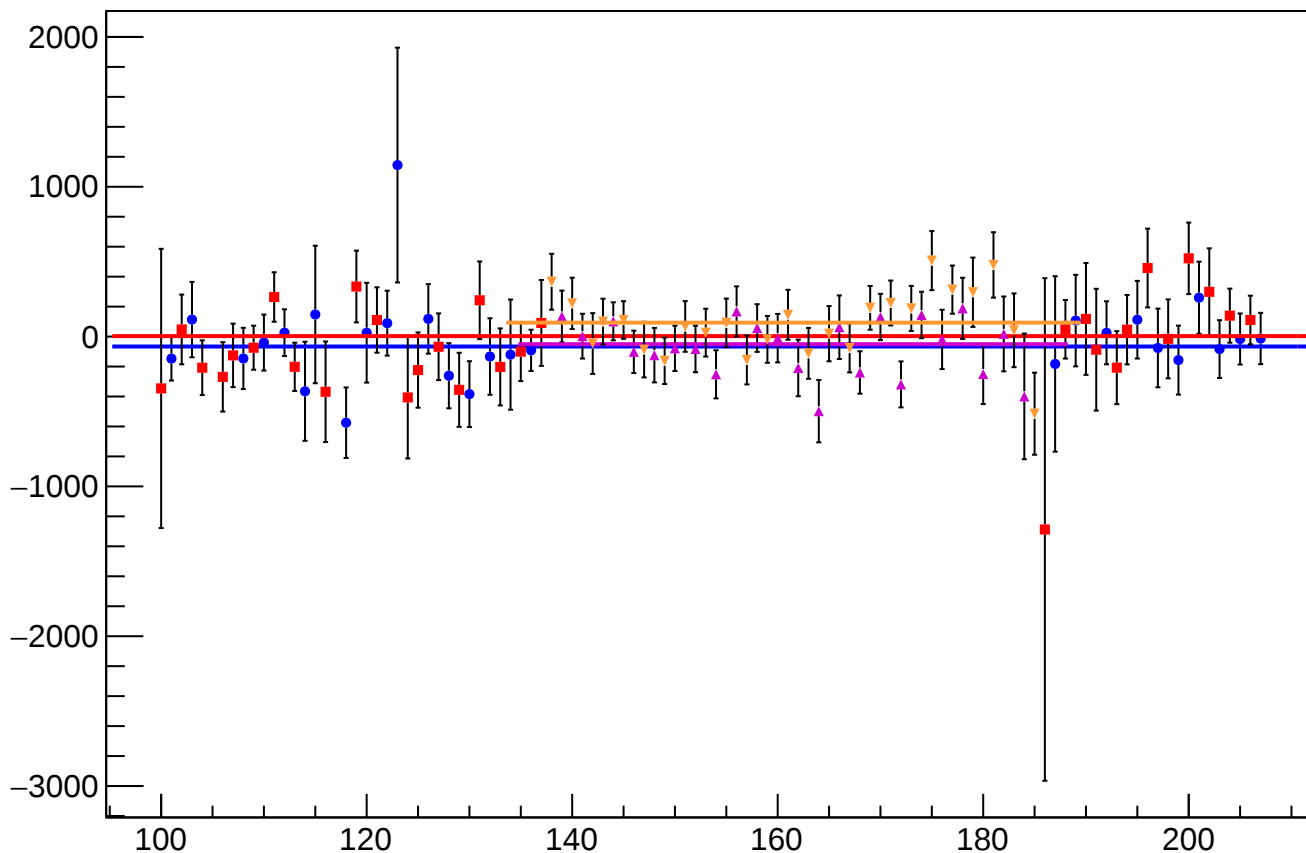
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 611.914 $\pm$ 0.085 χ^2 /NDF: 11669223.3/51

All: 613.809 $\pm$ 0.060 χ^2 /NDF: 24656714.9/10

- sign 615.750 $\pm$ 0.086 χ^2 /NDF: 12986476.0/53

reg_asym_sam_48_avg_mean vs Slug



Right In: -66.311 ± 42.527 χ^2/NDF : 16.9/26

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: 3.005 ± 41.242 χ^2/NDF : 28.3/30

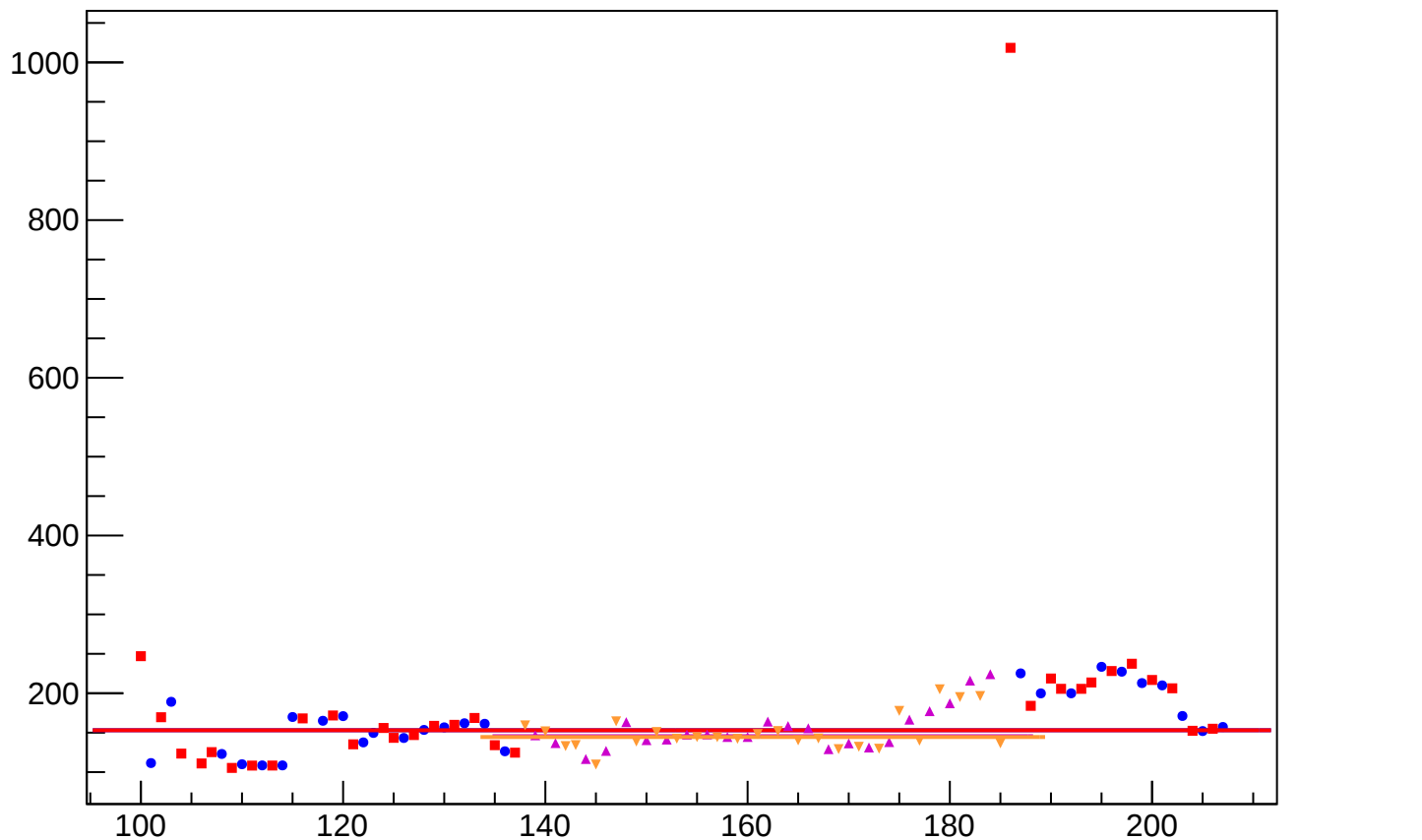
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 30.756 ± 26.582 χ^2/NDF : 54.9/51

All: 1.569 ± 18.876 χ^2/NDF : 110.0/105

- sign -28.120 ± 26.809 χ^2/NDF : 52.7/53

reg_asym_sam_48_avg_rms vs Slug



Right In: 153.095+/-0.030 χ^2/NDF : 1453163.1/26

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 153.056+/-0.029 χ^2/NDF : 2263971.0/30

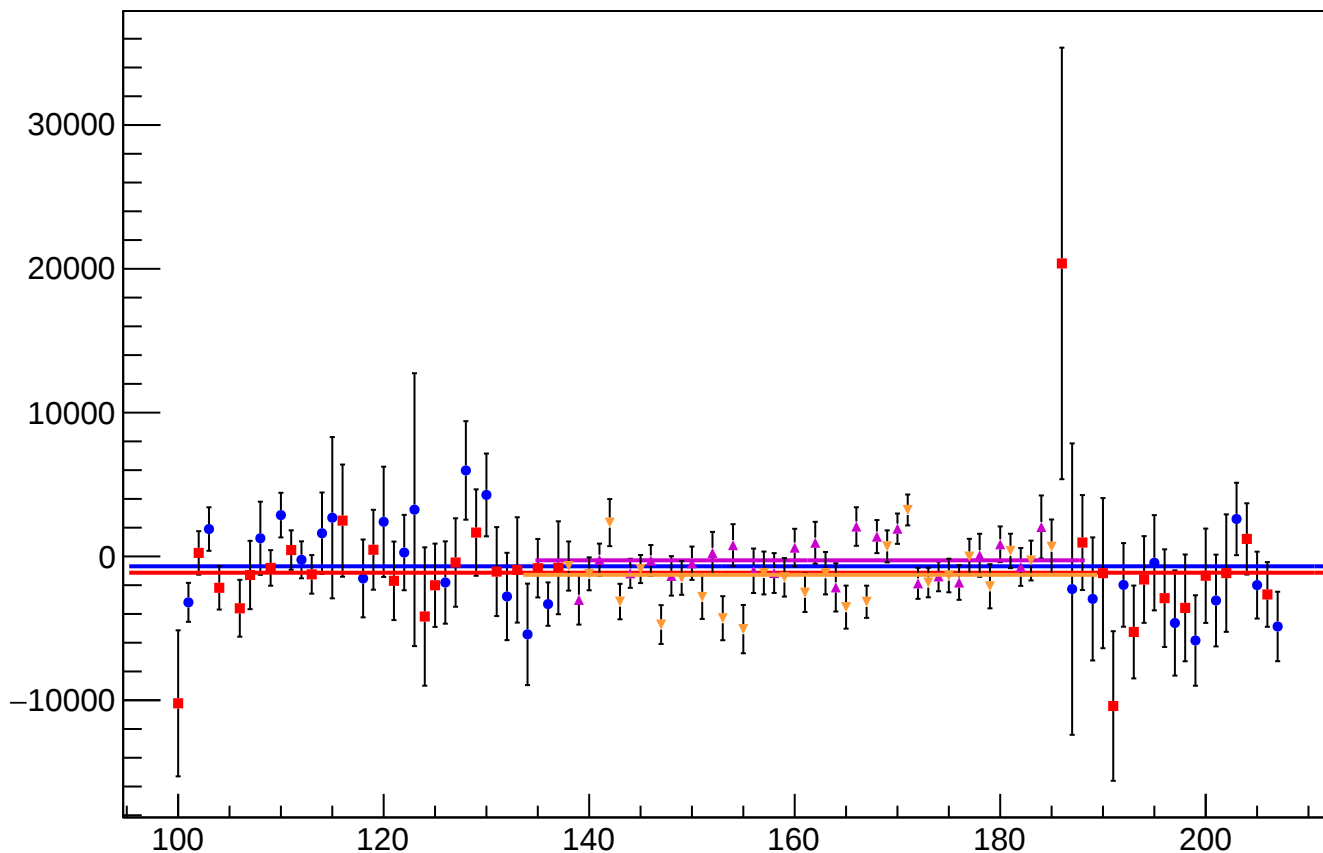
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 147.843+/-0.019 χ^2/NDF : 2173720.3/51

All: 148.274+/-0.013 χ^2/NDF : 5120692.2/105

- sign 148.713+/-0.019 χ^2/NDF : 2945910.3/53

asym_sam_48_avg_correction_mean vs Slug



Right In: -686.711 ± 461.687 χ^2/NDF : 36.6/26

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1132.512 ± 431.919 χ^2/NDF : 19.5/30

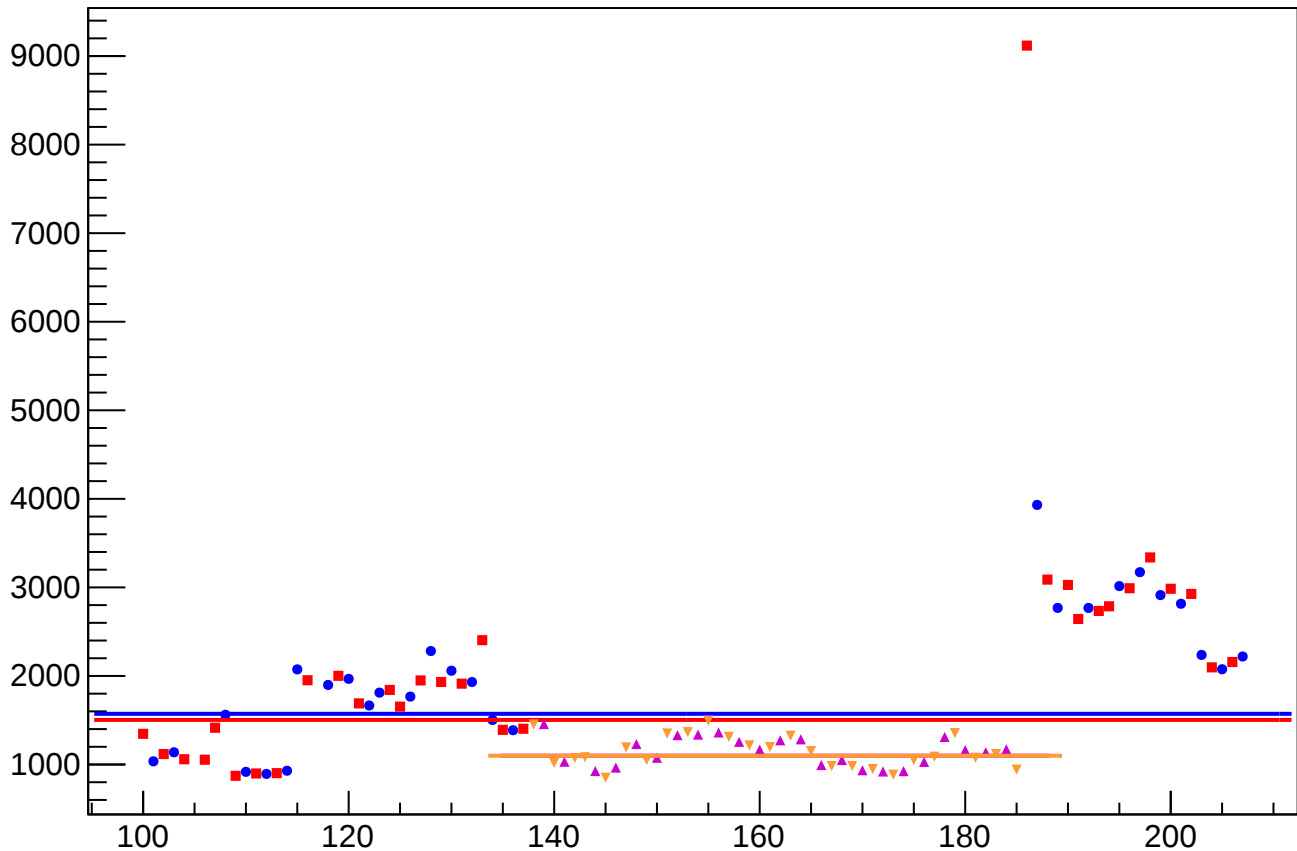
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1137.222 ± 226.082 χ^2/NDF : 93.8/51

All: -823.123 ± 160.063 χ^2/NDF : 144.3/105

- sign -507.459 ± 226.645 χ^2/NDF : 46.7/53

asym_sam_48_avg_correction_rms vs Slug



Right In: 1572.422+/-0.326 χ^2/NDF : 4184545.7/26

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1503.487+/-0.305 χ^2/NDF : 5784783.2/30

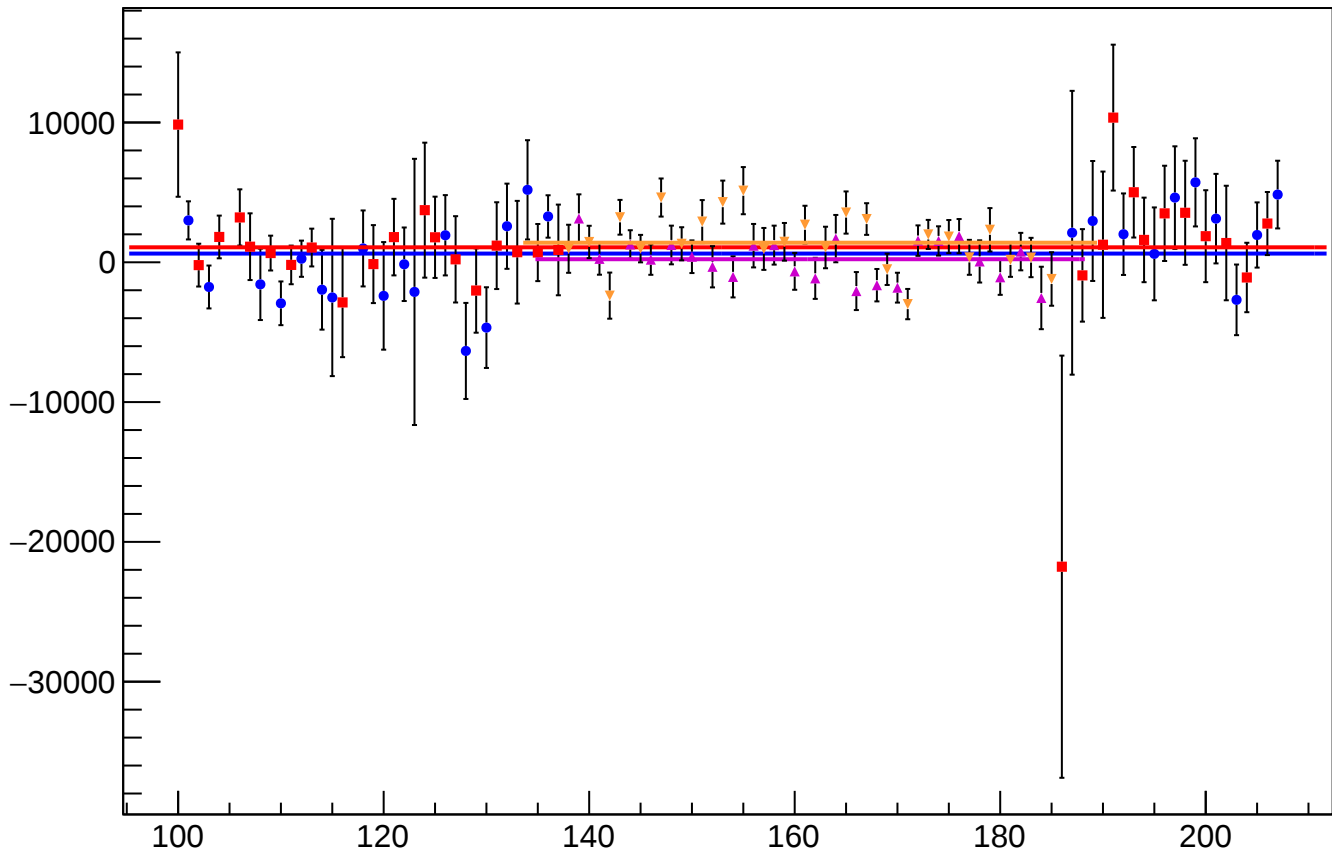
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1212.454+/-0.160 χ^2/NDF : 6608175.8/51

All: 1211.629+/-0.113 χ^2/NDF : 14340285.4/100

- sign 1210.800+/-0.160 χ^2/NDF : 7732056.2/53

asym_sam_48_avg_mean vs Slug



Right In: 623.071 $\pm$ 464.306 χ^2 /NDF: 36.2/26

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF: 52.2/24

Right Out: 1071.236 $\pm$ 434.814 χ^2 /NDF: 18.4/30

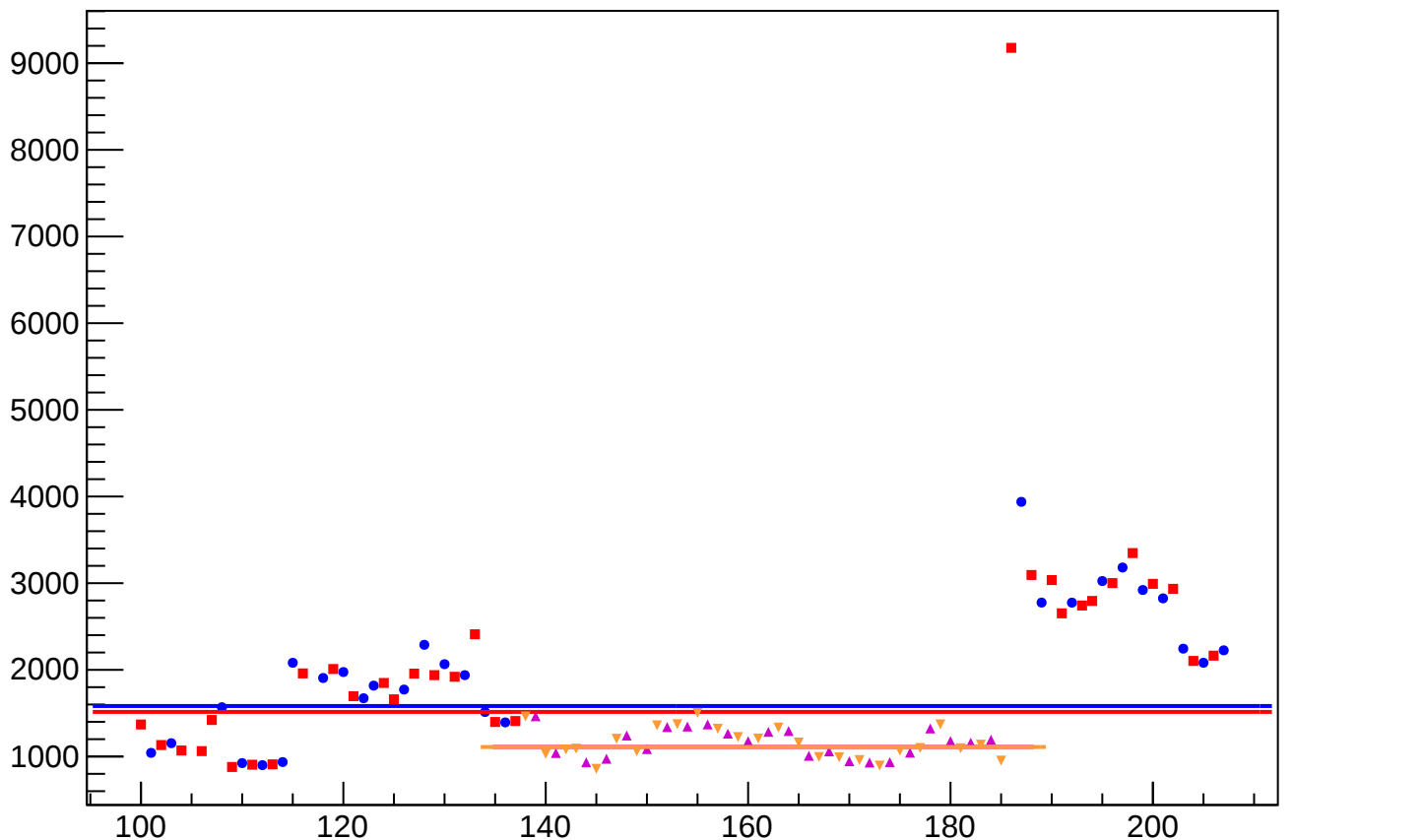
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1212.922 $\pm$ 228.049 χ^2 /NDF: 90.6/51

All: 834.988 $\pm$ 161.474 χ^2 /NDF: 142.3/105

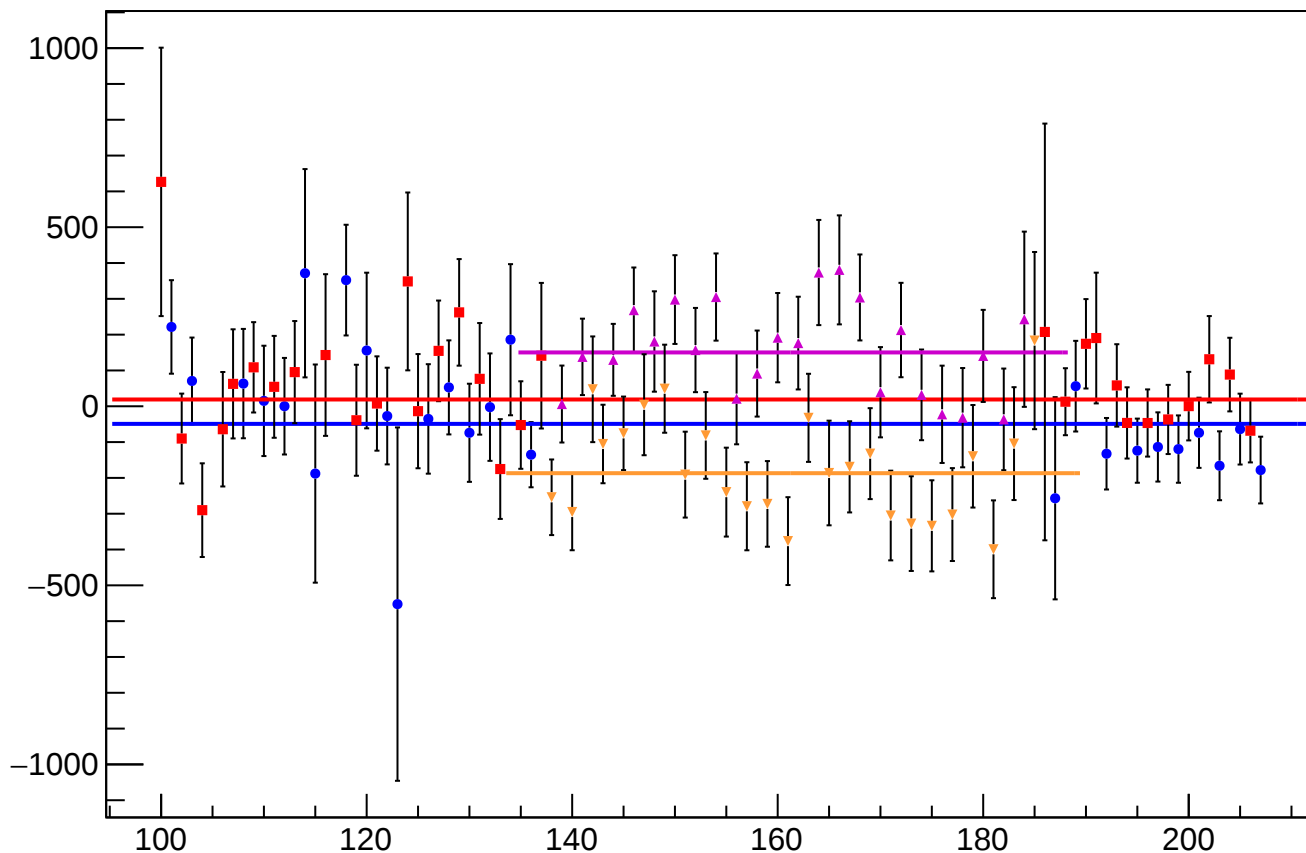
- sign 454.992 $\pm$ 228.670 χ^2 /NDF: 46.1/53

asym_sam_48_avg_rms vs Slug



Right In: 1582.747+/-0.328	χ^2/NDF : 4144632.1/26	+ sign 1223.864+/-0.161	χ^2/NDF : 6531596.1/51
Left Out: 1109.761+/-0.185	χ^2/NDF : 812174.9/24	All: 1223.121+/-0.114	χ^2/NDF : 14185775.6/101
Right Out: 1514.885+/-0.307	χ^2/NDF : 5733034.9/30	- sign 1222.373+/-0.162	χ^2/NDF : 7654136.9/53
Left In: 1110.542+/-0.190	χ^2/NDF : 669928.9/22		

reg_asym_sam_15_dd_mean vs Slug



Right In: -49.153 ± 24.232 χ^2/NDF : 27.1/26

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: 18.950 ± 23.338 χ^2/NDF : 25.1/30

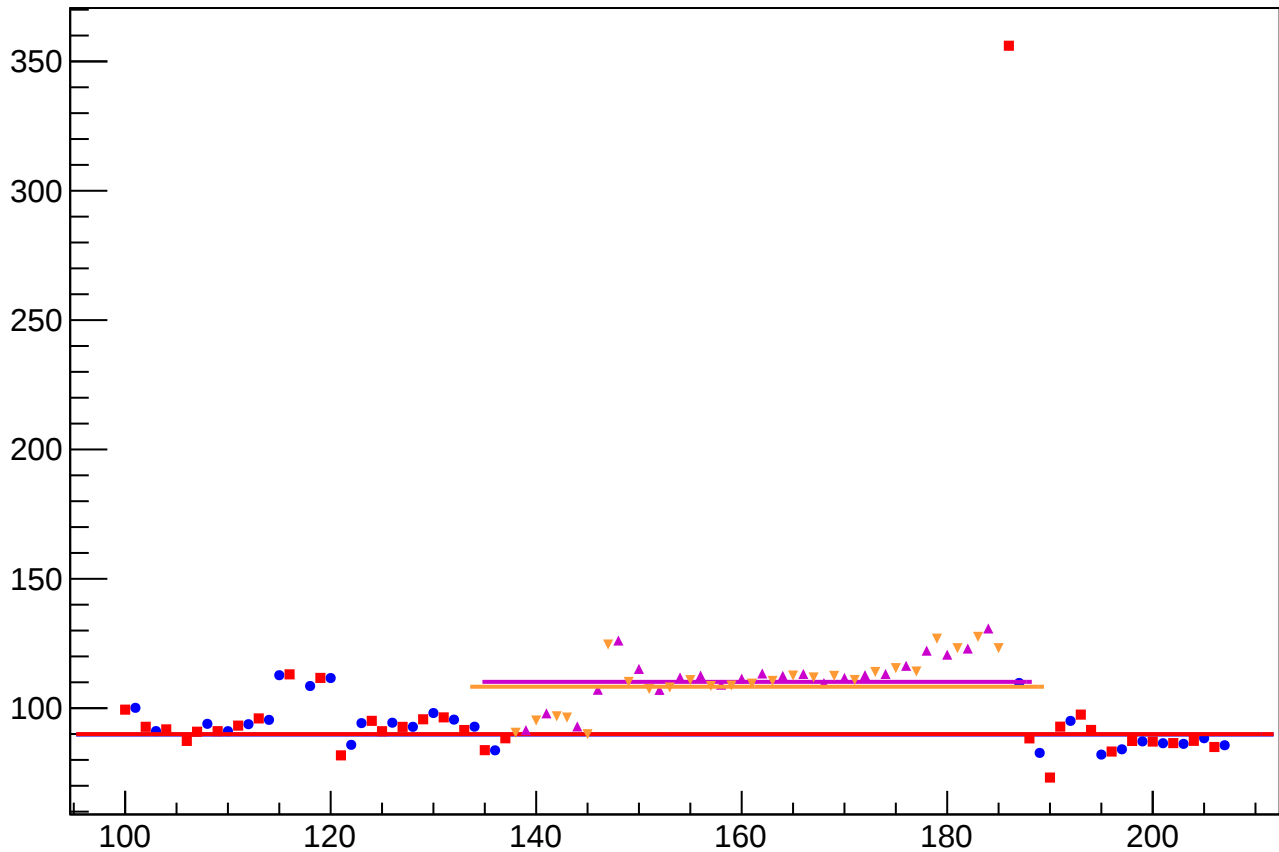
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -115.006 ± 17.503 χ^2/NDF : 69.2/51

All: -19.247 ± 12.375 χ^2/NDF : 188.6/105

- sign 76.467 ± 17.499 χ^2/NDF : 59.6/53

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.812 $\pm$ 0.017 χ^2 /NDF: 157257.2/26

Left Out: 108.287 $\pm$ 0.018 χ^2 /NDF: 330693.5/24

Right Out: 89.962 $\pm$ 0.017 χ^2 /NDF: 577458.9/30

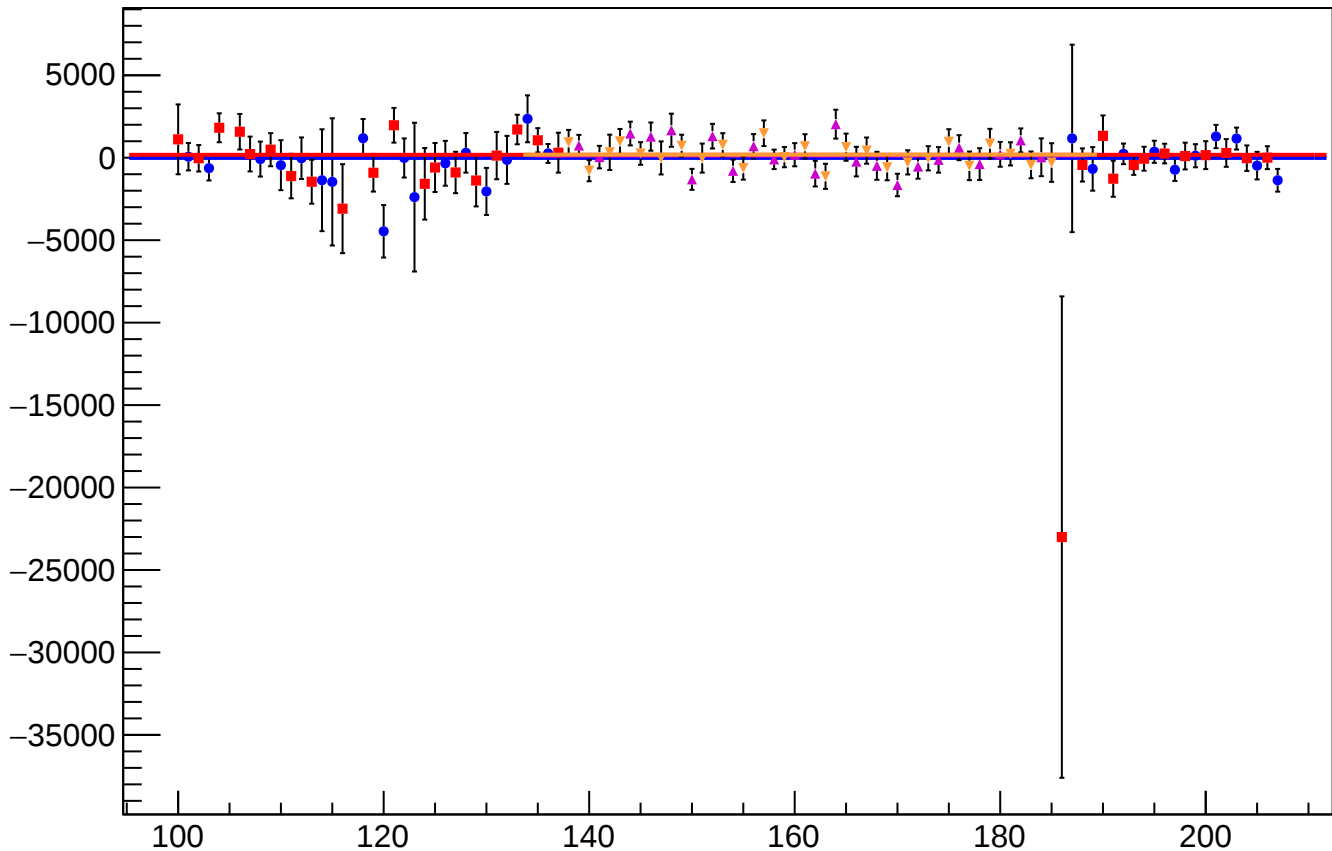
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 98.649 $\pm$ 0.012 χ^2 /NDF: 1044032.1/51

All: 98.730 $\pm$ 0.009 χ^2 /NDF: 2525244.5/105

- sign 98.812 $\pm$ 0.012 χ^2 /NDF: 1481125.6/53

asym_sam_15_dd_correction_mean vs Slug



Right In: -10.001 ± 181.270 χ^2/NDF : 28.0/26

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 176.691 ± 174.563 χ^2/NDF : 27.1/30

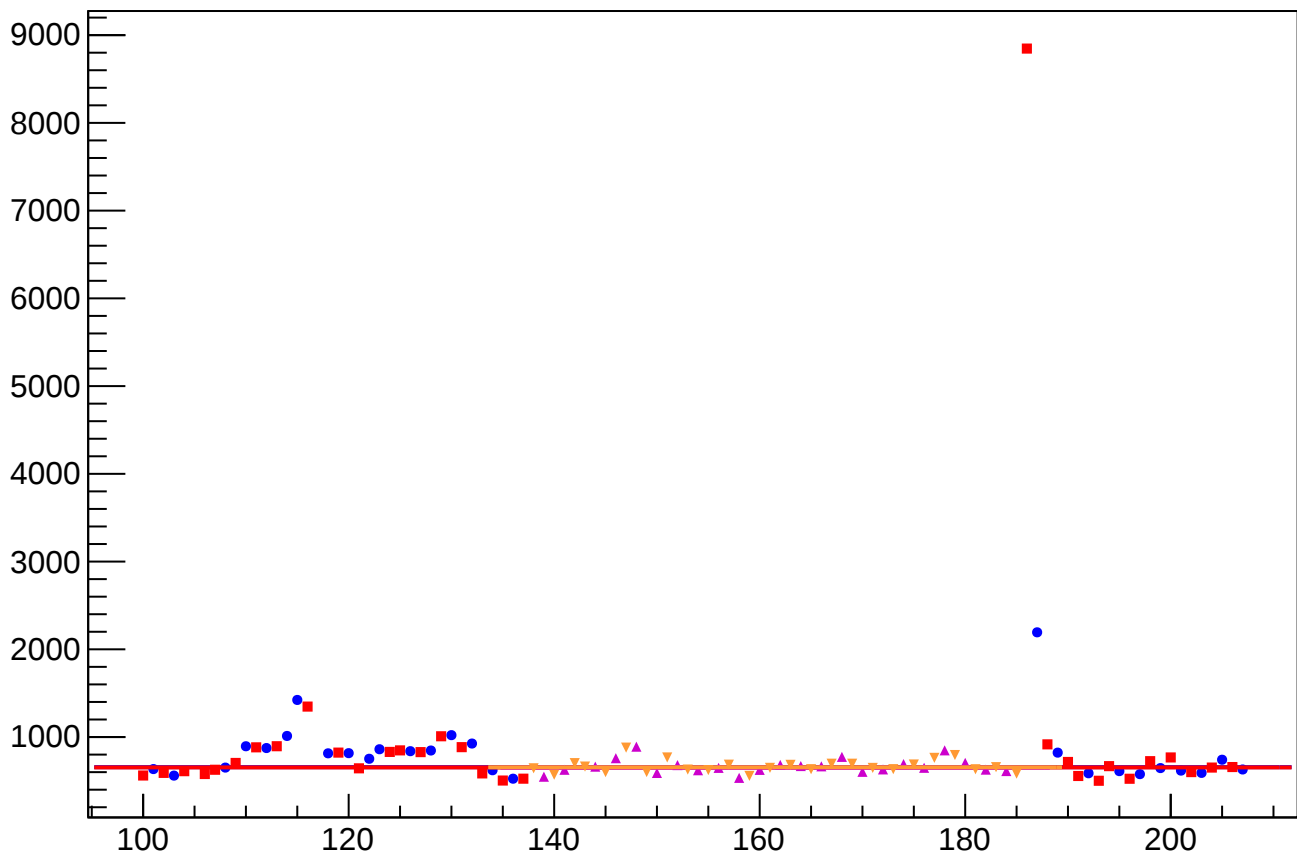
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 103.680 ± 117.224 χ^2/NDF : 47.1/51

All: 127.040 ± 82.738 χ^2/NDF : 110.5/105

- sign 150.229 ± 116.796 χ^2/NDF : 63.4/53

asym_sam_15_dd_correction_rms vs Slug



Right In: 656.901 $\pm$ 0.128 χ^2 /NDF: 1003762.9/26

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 653.894 $\pm$ 0.123 χ^2 /NDF: 1765691.0/30

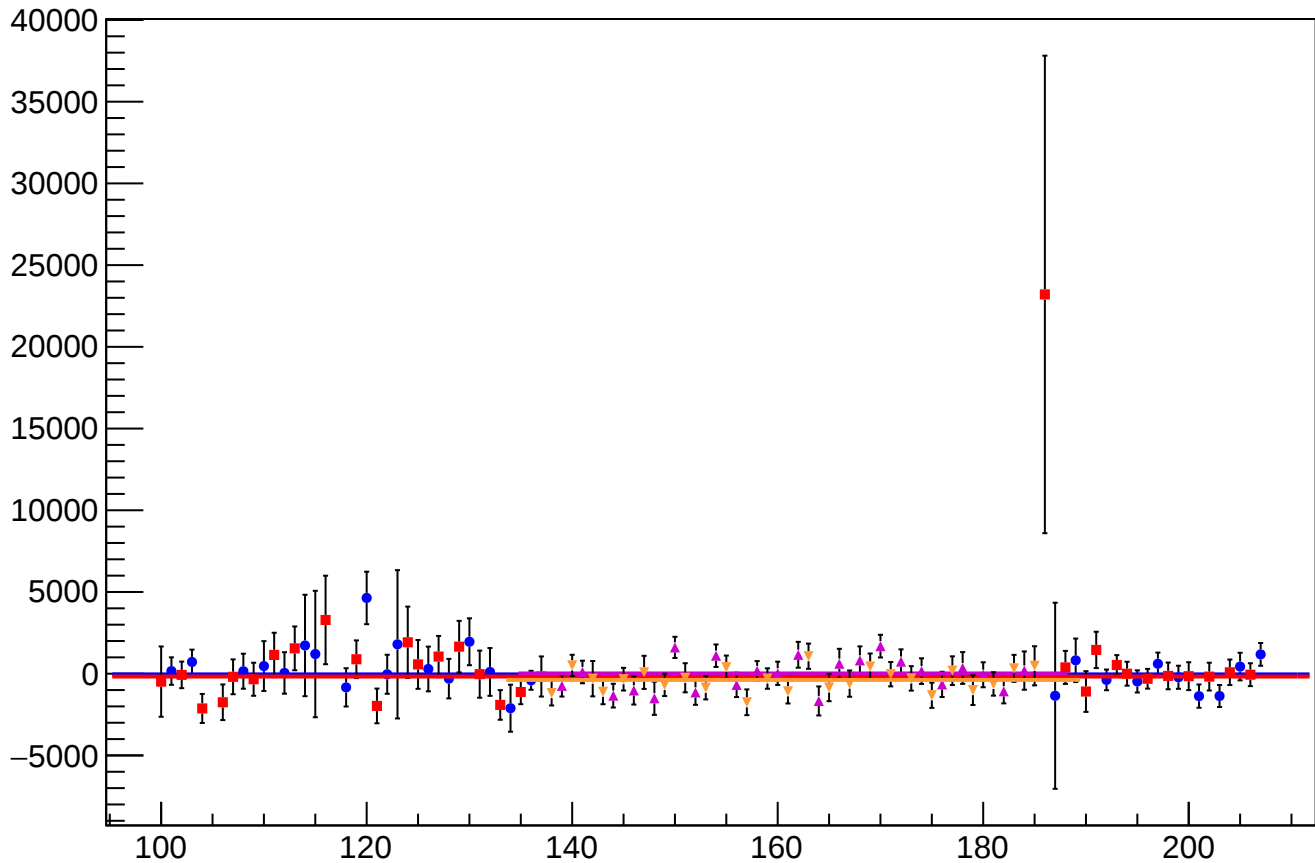
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 655.885 $\pm$ 0.083 χ^2 /NDF: 1371220.6/51

All: 654.051 $\pm$ 0.059 χ^2 /NDF: 3604332.4/105

- sign 652.231 $\pm$ 0.083 χ^2 /NDF: 2232136.4/53

asym_sam_15_dd_mean vs Slug



Right In: -42.767 ± 183.115 χ^2/NDF : 28.1/26

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -173.469 ± 176.443 χ^2/NDF : 30.8/30

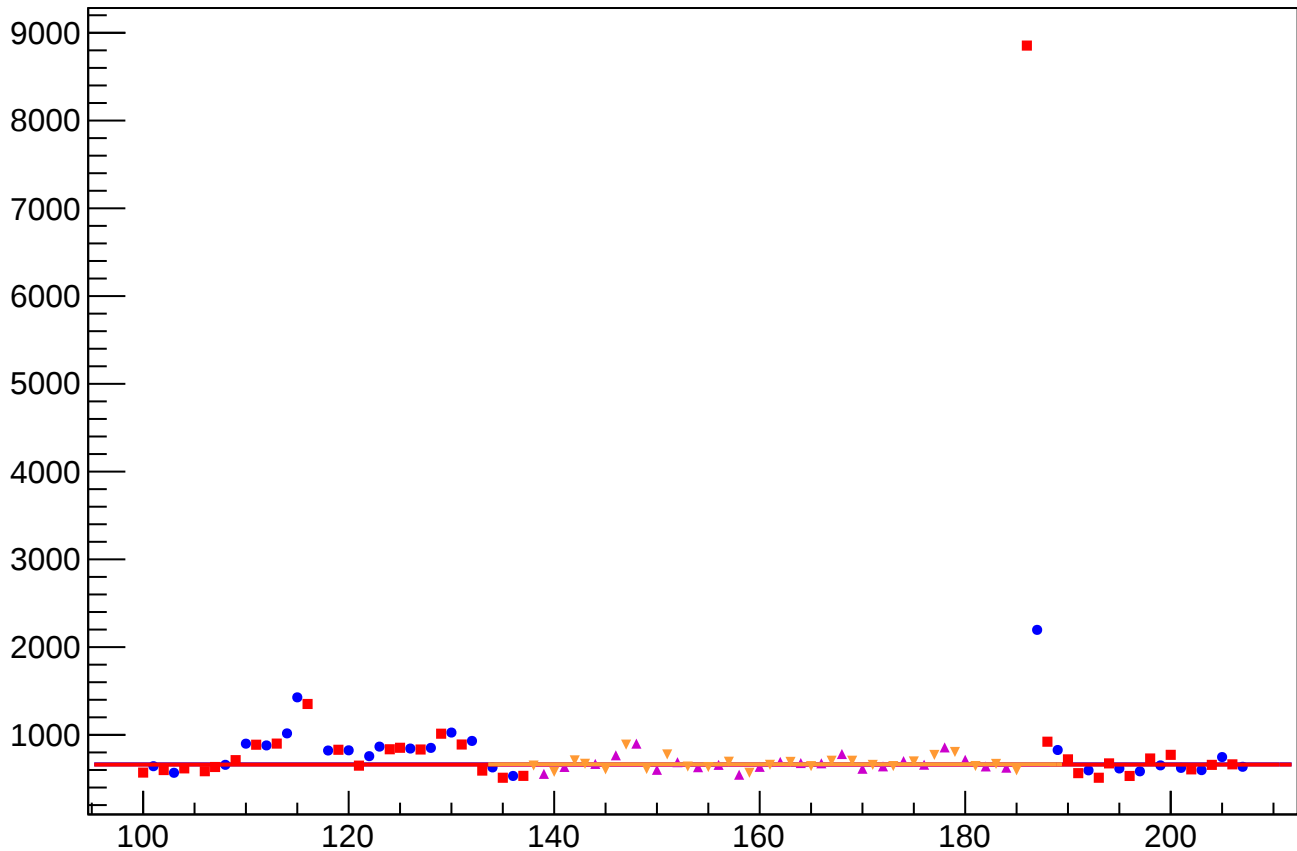
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -237.983 ± 118.702 χ^2/NDF : 48.9/51

All: -153.670 ± 83.802 χ^2/NDF : 118.6/105

- sign -69.889 ± 118.327 χ^2/NDF : 68.6/53

asym_sam_15_dd_rms vs Slug



Right In: 664.004 $\pm$ 0.129 χ^2/NDF : 981546.1/26

Left Out: 664.773 $\pm$ 0.110 χ^2/NDF : 357053.8/24

Right Out: 661.527 $\pm$ 0.125 χ^2/NDF : 1729280.3/30

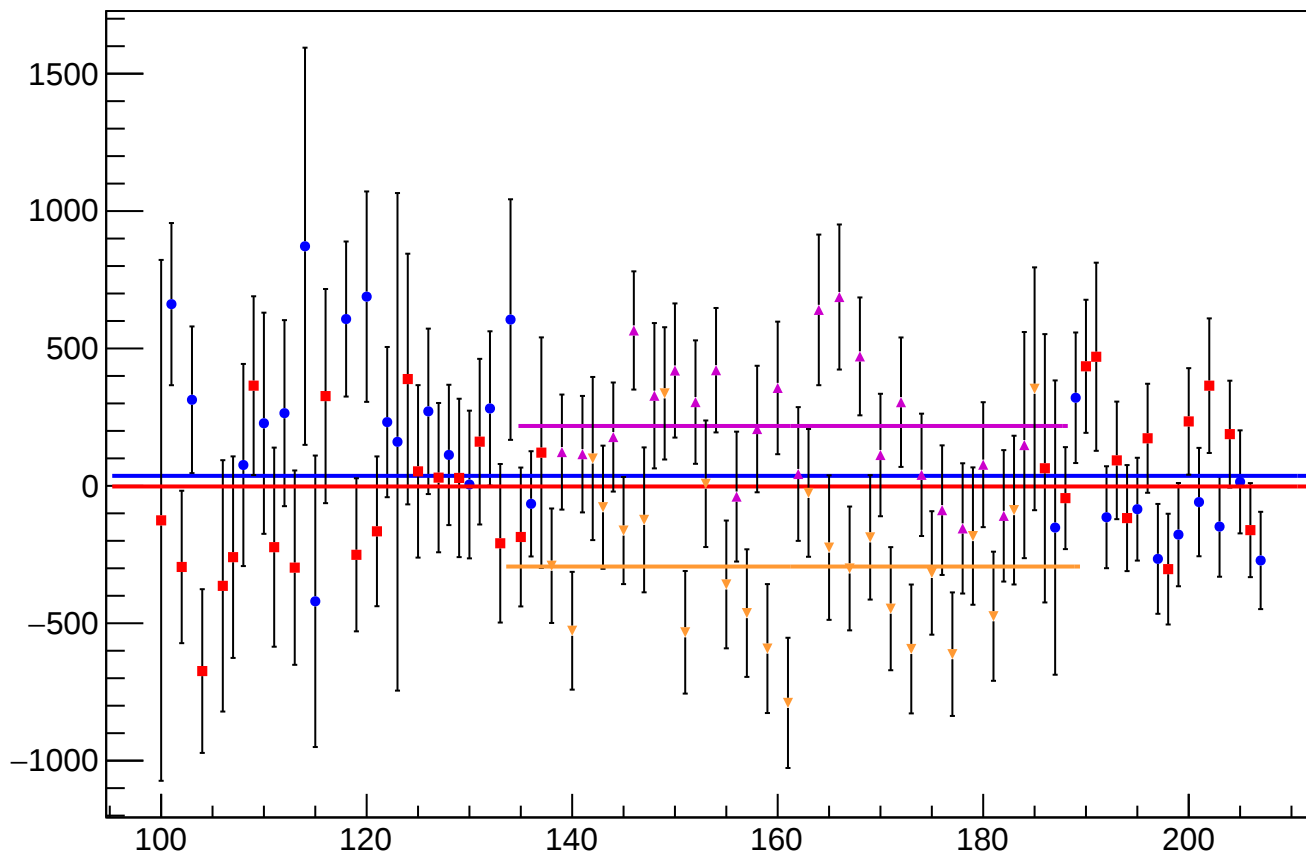
Left In: 660.890 $\pm$ 0.113 χ^2/NDF : 449180.0/22

+ sign 664.450 $\pm$ 0.084 χ^2/NDF : 1338620.3/51

All: 662.808 $\pm$ 0.059 χ^2/NDF : 3517857.6/105

- sign 661.177 $\pm$ 0.084 χ^2/NDF : 2178474.7/53

reg_asym_sam_26_dd_mean vs Slug



Right In: 36.416 ± 48.741 χ^2/NDF : 29.8/26

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -2.188 ± 47.565 χ^2/NDF : 28.1/30

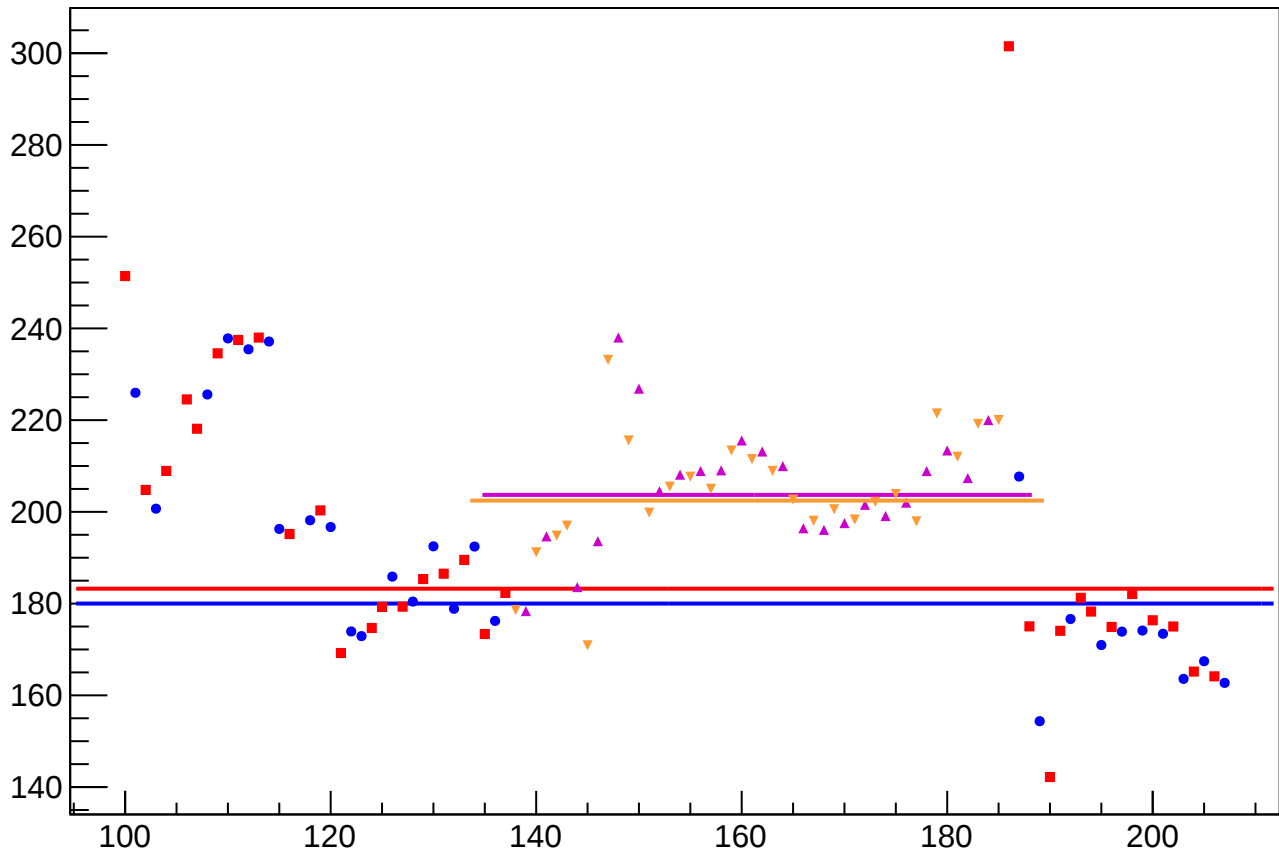
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -133.877 ± 33.908 χ^2/NDF : 83.8/51

All: -14.989 ± 24.033 χ^2/NDF : 168.3/105

- sign 105.024 ± 34.068 χ^2/NDF : 59.8/53

reg_asym_sam_26_dd_rms vs Slug



Right In: 180.010 $\pm$ 0.034 χ^2 /NDF: 305555.0/26

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 183.249 $\pm$ 0.034 χ^2 /NDF: 466951.4/30

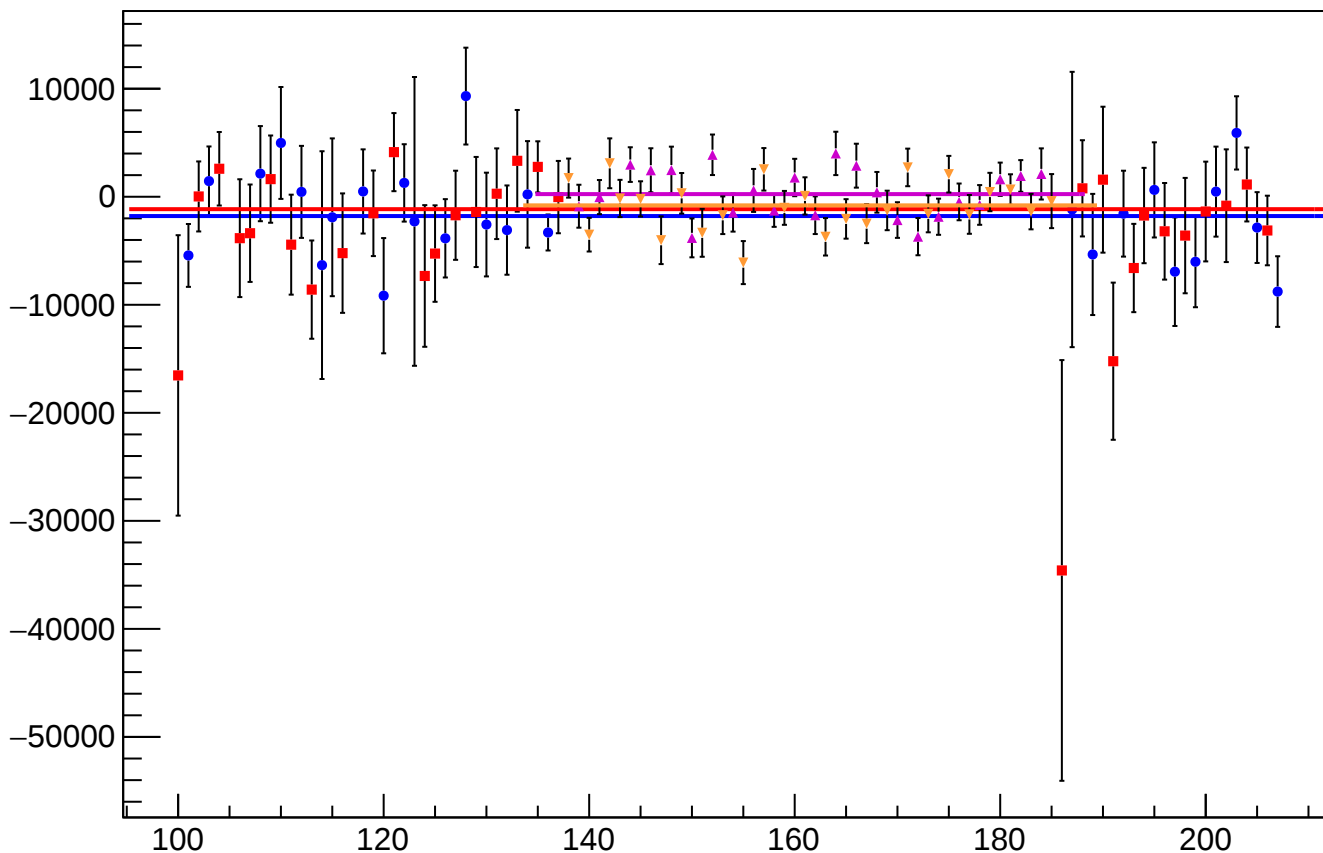
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 191.594 $\pm$ 0.024 χ^2 /NDF: 683053.8/51

All: 192.397 $\pm$ 0.017 χ^2 /NDF: 1468482.2/105

- sign 193.208 $\pm$ 0.024 χ^2 /NDF: 783174.4/53

asym_sam_26_dd_correction_mean vs Slug



Right In: -1786.420 ± 749.330 χ^2/NDF : 29.0/26

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1148.827 ± 767.923 χ^2/NDF : 25.3/30

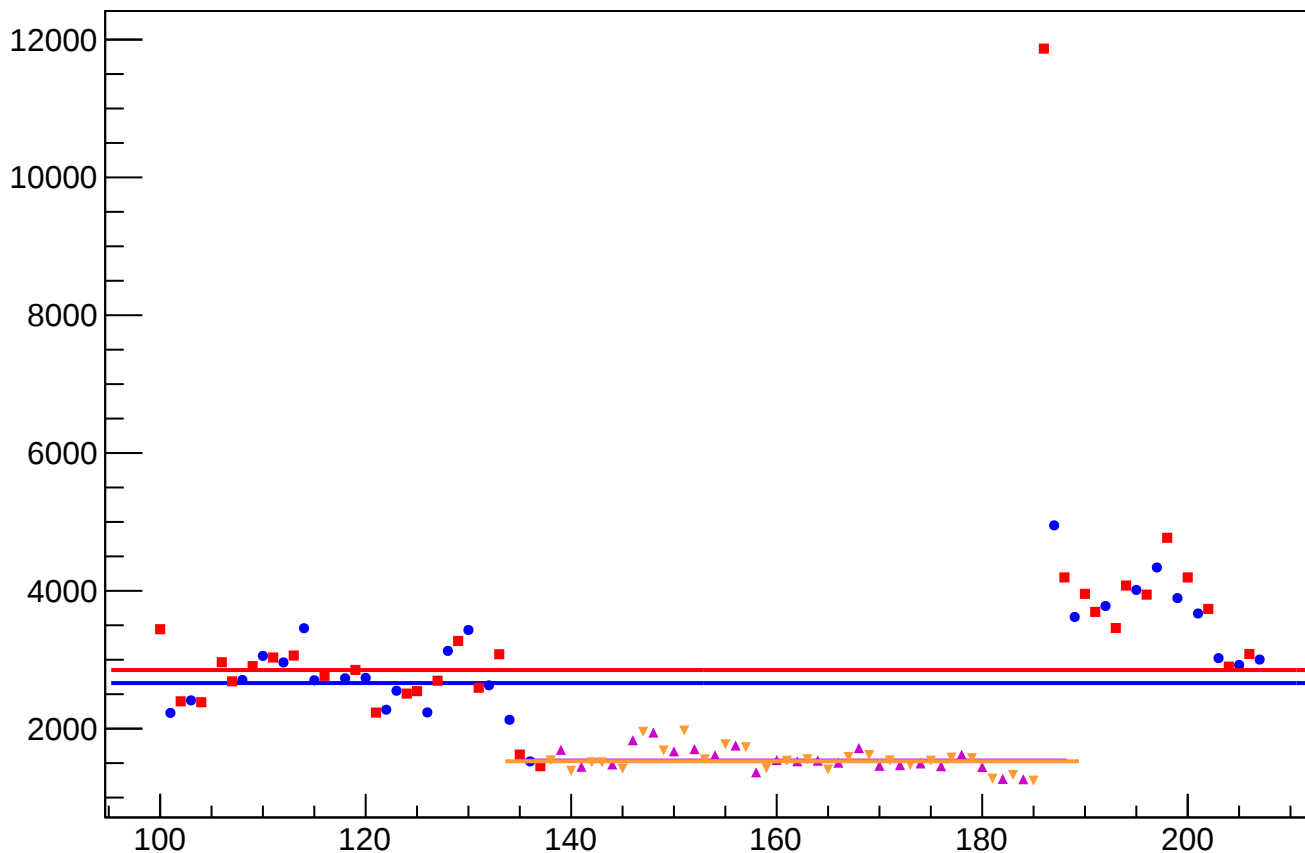
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -980.362 ± 322.918 χ^2/NDF : 66.2/51

All: -513.965 ± 231.892 χ^2/NDF : 134.1/105

- sign -17.351 ± 333.214 χ^2/NDF : 63.7/53

asym_sam_26_dd_correction_rms vs Slug



Right In: 2661.882 ± 0.530 χ^2/NDF : 2209061.6/26

Left Out: 1526.712 ± 0.253 χ^2/NDF : 394892.7/24

Right Out: 2850.468 ± 0.543 χ^2/NDF : 2587175.3/30

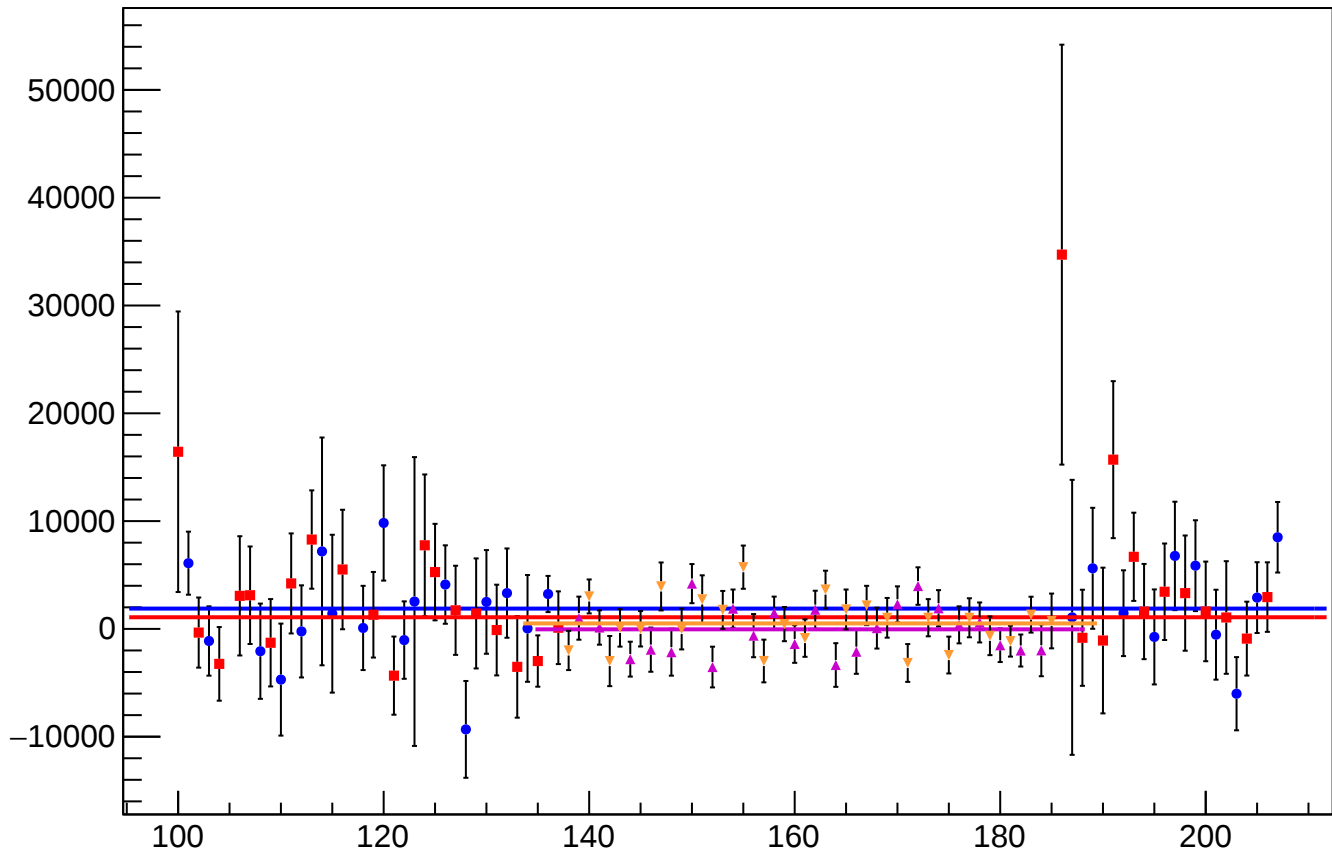
Left In: 1536.538 ± 0.262 χ^2/NDF : 350373.3/22

+ sign 1737.525 ± 0.228 χ^2/NDF : 6341484.3/51

All: 1759.999 ± 0.164 χ^2/NDF : 14051771.8/100

- sign 1783.929 ± 0.236 χ^2/NDF : 7690285.3/53

asym_sam_26_dd_mean vs Slug



Right In: 1884.156 ± 751.870 χ^2/NDF : 29.1/26

Left Out: 507.982 ± 361.172 χ^2/NDF : 35.4/24

Right Out: 1079.845 ± 770.329 χ^2/NDF : 26.0/30

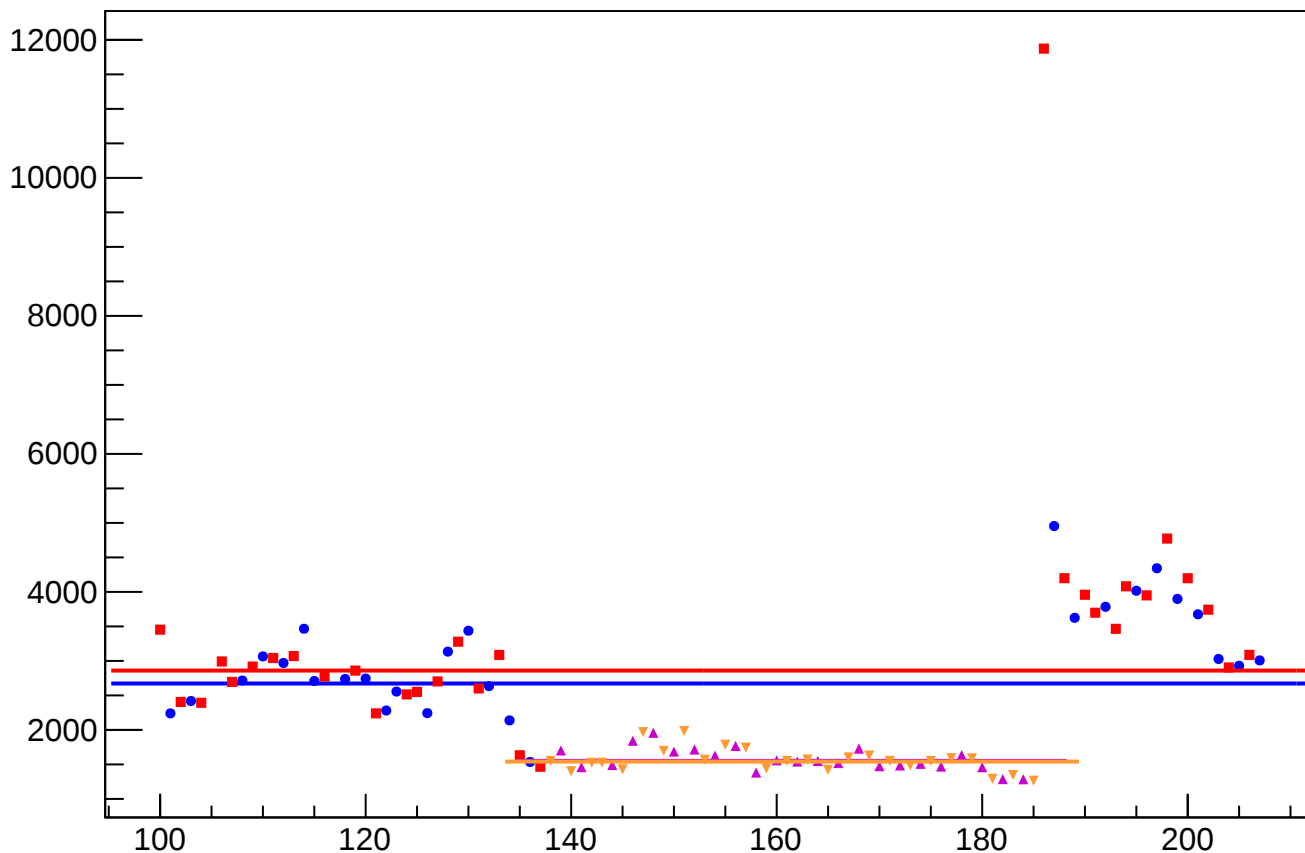
Left In: -40.080 ± 373.261 χ^2/NDF : 33.6/22

+ sign 765.998 ± 325.559 χ^2/NDF : 67.1/51

All: 478.708 ± 233.777 χ^2/NDF : 130.0/105

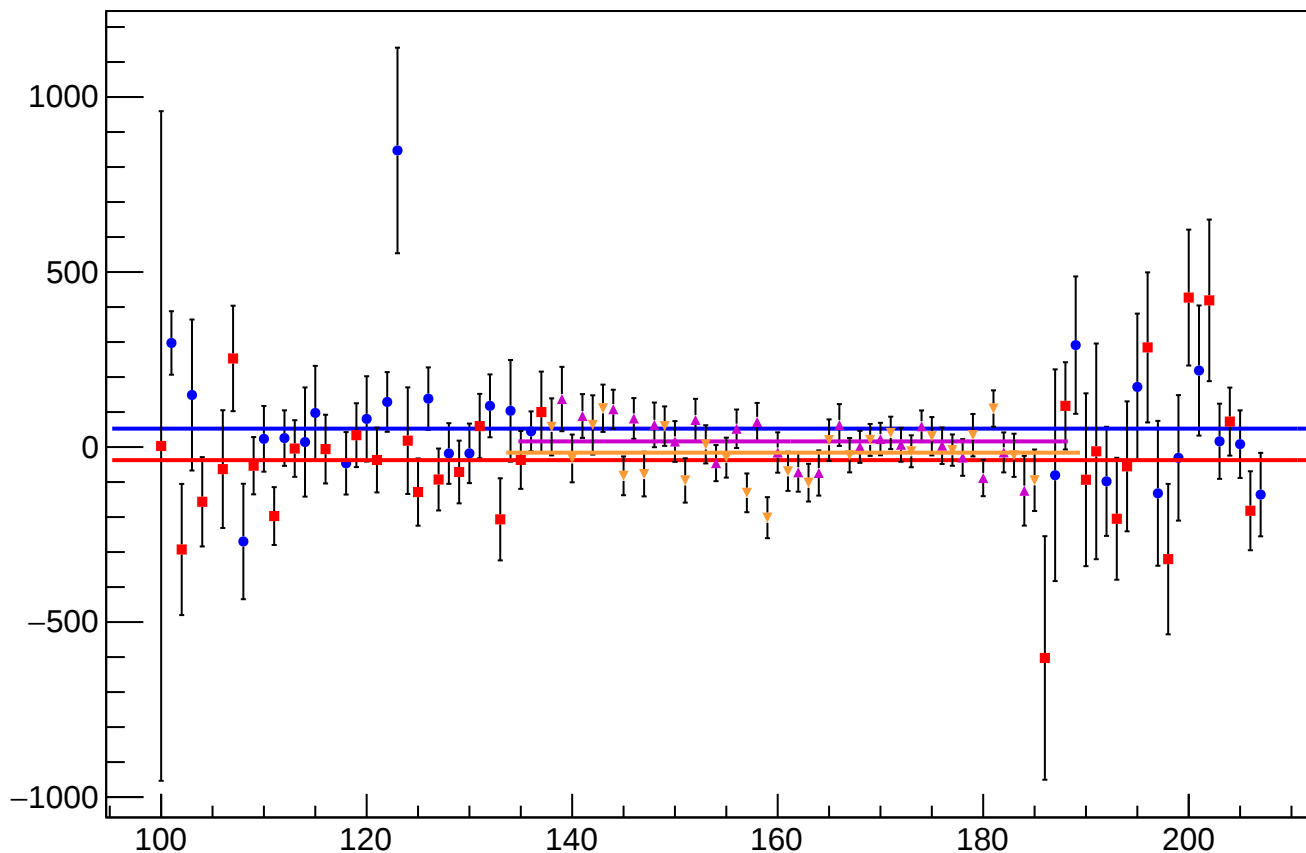
- sign 172.867 ± 335.905 χ^2/NDF : 61.3/53

asym_sam_26_dd_rms vs Slug



Right In: 2672.587+/-0.532	χ^2/NDF : 2178817.6/26	+ sign 1753.369+/-0.230	χ^2/NDF : 6240052.6/51
Left Out: 1541.258+/-0.255	χ^2/NDF : 382045.4/24	All: 1775.973+/-0.165	χ^2/NDF : 13840742.4/1
Right Out: 2860.461+/-0.545	χ^2/NDF : 2562073.5/30	- sign 1800.036+/-0.238	χ^2/NDF : 7580784.5/53
Left In: 1551.063+/-0.264	χ^2/NDF : 338898.9/22		

reg_asym_sam_37_dd_mean vs Slug



Right In: 52.630 ± 21.248 χ^2/NDF : 31.6/26

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -37.374 ± 21.270 χ^2/NDF : 39.0/30

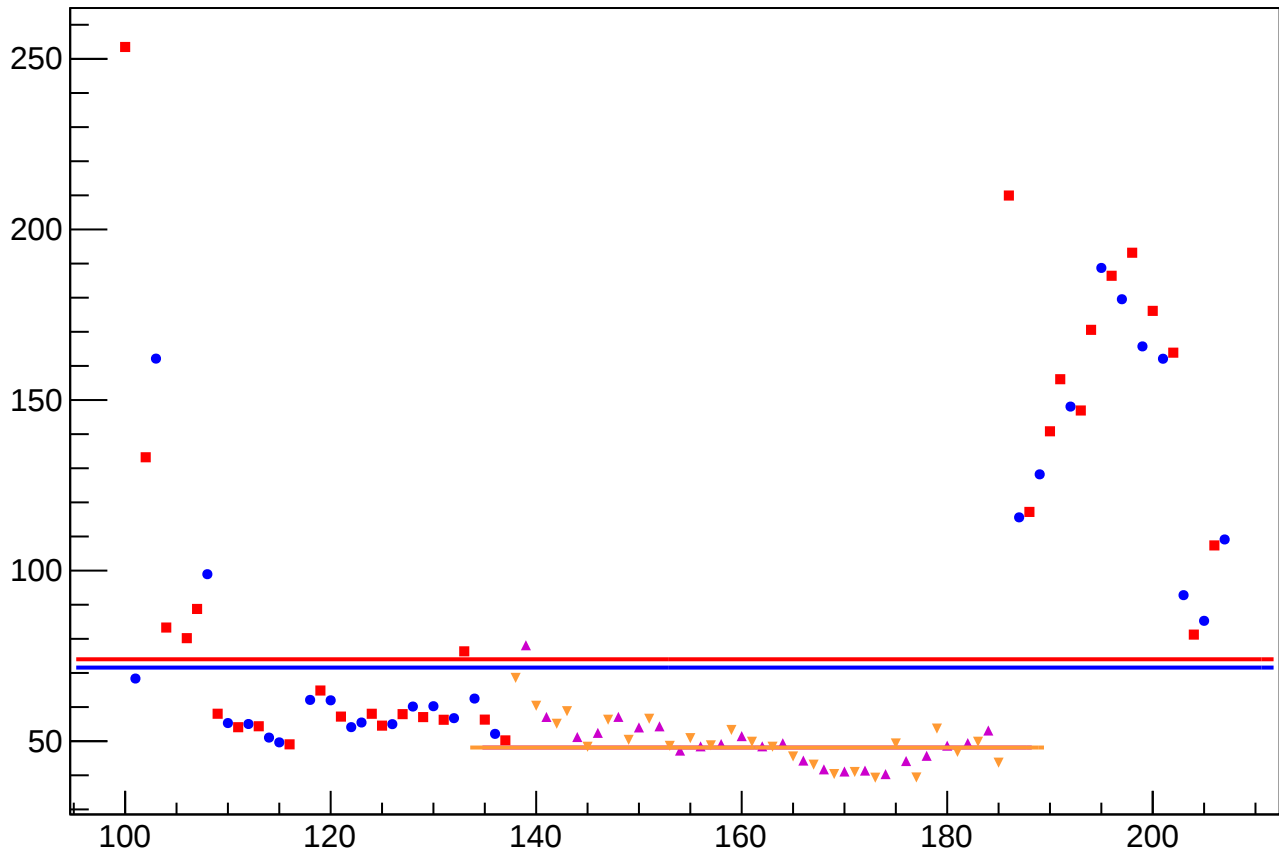
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -0.824 ± 10.004 χ^2/NDF : 79.4/51

All: 1.443 ± 7.148 χ^2/NDF : 148.7/105

- sign 3.808 ± 10.217 χ^2/NDF : 69.2/53

reg_asym_sam_37_dd_rms vs Slug



Right In: 71.575+/-0.015 χ^2/NDF : 4407207.2/26

Left Out: 48.141+/-0.008 χ^2/NDF : 655250.3/24

Right Out: 74.009+/-0.015 χ^2/NDF : 5255142.8/30

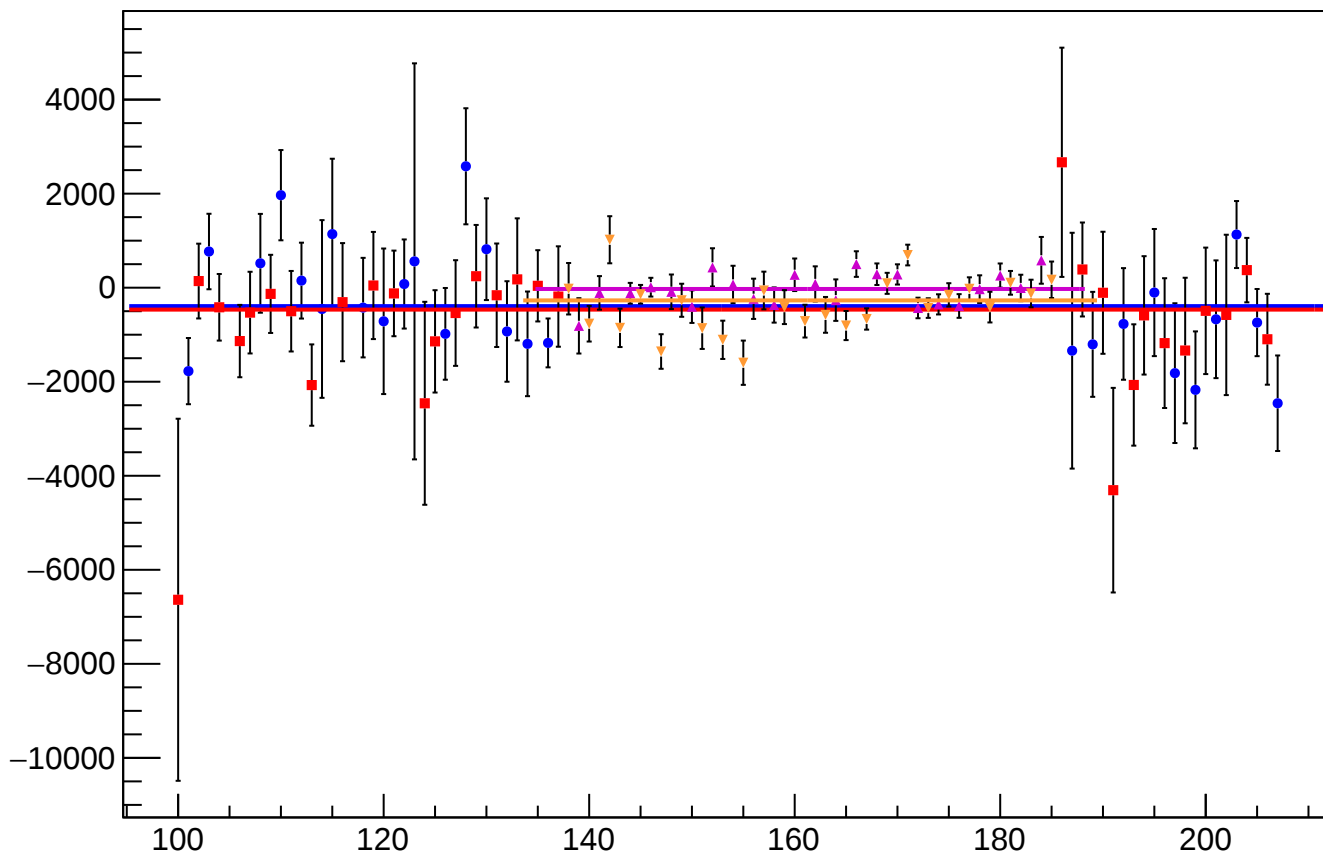
Left In: 48.139+/-0.008 χ^2/NDF : 575025.5/22

+ sign 53.336+/-0.007 χ^2/NDF : 6955934.0/51

All: 53.714+/-0.005 χ^2/NDF : 15067966.3/105

- sign 54.109+/-0.007 χ^2/NDF : 8106185.9/53

asym_sam_37_dd_correction_mean vs Slug



Right In: -392.053 ± 192.292 χ^2/NDF : 37.7/26

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -466.334 ± 187.675 χ^2/NDF : 20.0/30

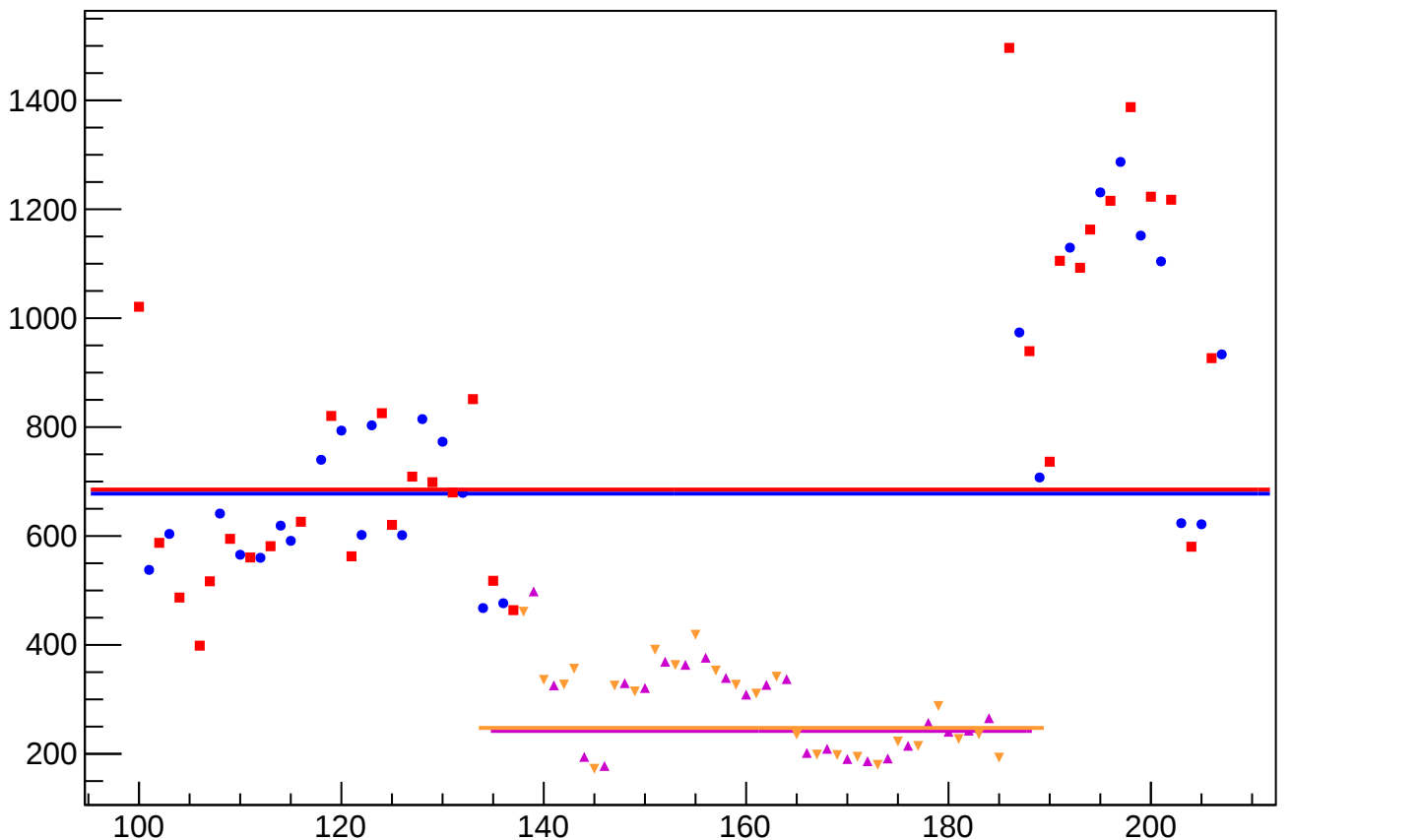
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -281.082 ± 57.431 χ^2/NDF : 108.2/51

All: -174.968 ± 40.642 χ^2/NDF : 165.0/105

- sign -68.517 ± 57.522 χ^2/NDF : 50.0/53

asym_sam_37_dd_correction_rms vs Slug



Right In: 677.804 $\pm$ 0.136 χ^2 /NDF: 2294960.7/26

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 685.295 $\pm$ 0.133 χ^2 /NDF: 3260563.1/30

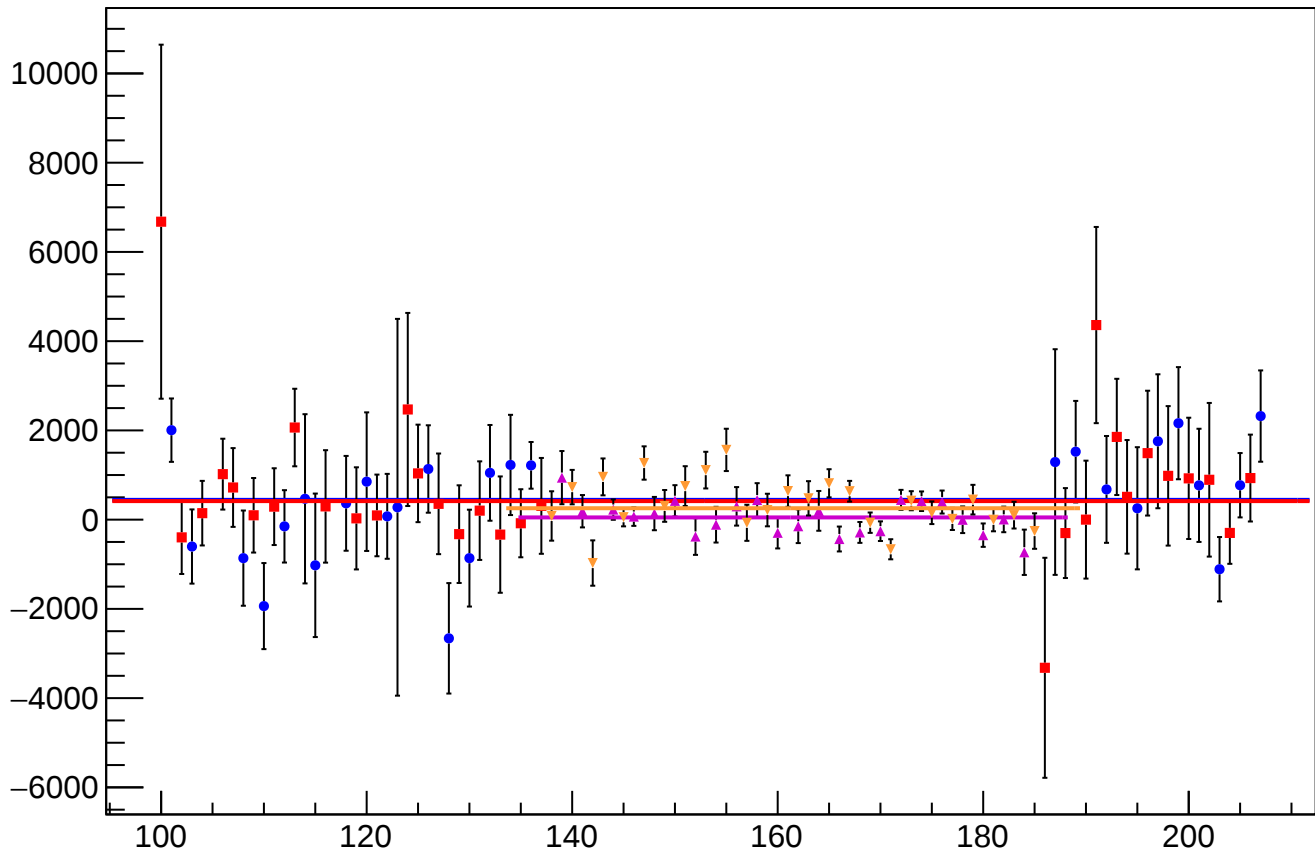
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 285.948 $\pm$ 0.041 χ^2 /NDF: 14194737.2/51

All: 284.850 $\pm$ 0.029 χ^2 /NDF: 30027783.9/10

- sign 283.749 $\pm$ 0.041 χ^2 /NDF: 15831584.0/53

asym_sam_37_dd_mean vs Slug



Right In: 443.267 $\pm$ 194.089 χ^2 /NDF: 38.8/26

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF: 63.6/24

Right Out: 415.615 $\pm$ 189.773 χ^2 /NDF: 20.4/30

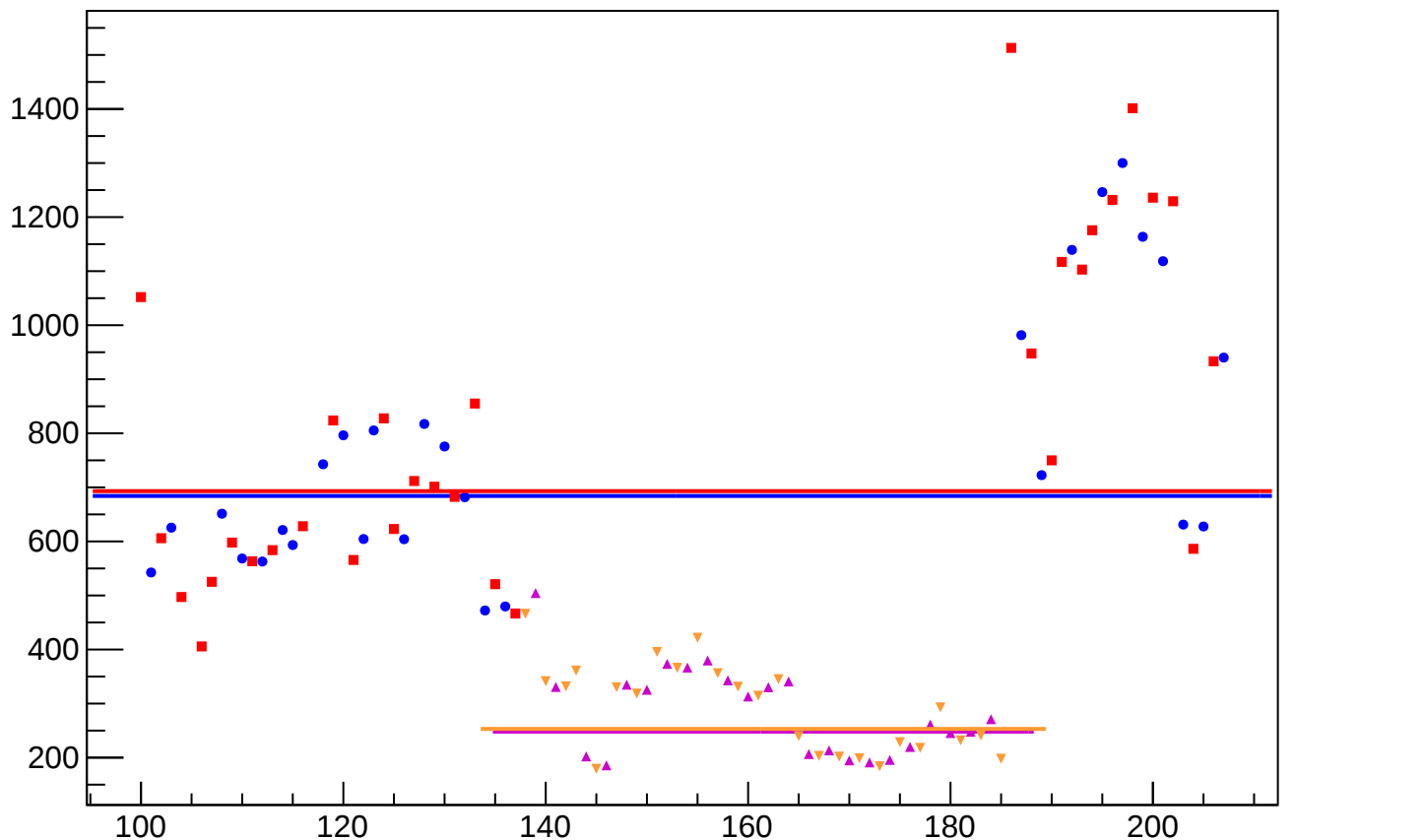
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF: 27.5/22

+ sign 273.041 $\pm$ 58.557 χ^2 /NDF: 103.3/51

All: 179.267 $\pm$ 41.473 χ^2 /NDF: 159.7/105

- sign 84.884 $\pm$ 58.746 χ^2 /NDF: 51.3/53

asym_sam_37_dd_rms vs Slug



Right In: 684.133+/-0.137 χ^2/NDF : 2300220.9/26

Left Out: 253.137+/-0.043 χ^2/NDF : 2665975.8/24

Right Out: 693.084+/-0.134 χ^2/NDF : 3233580.9/30

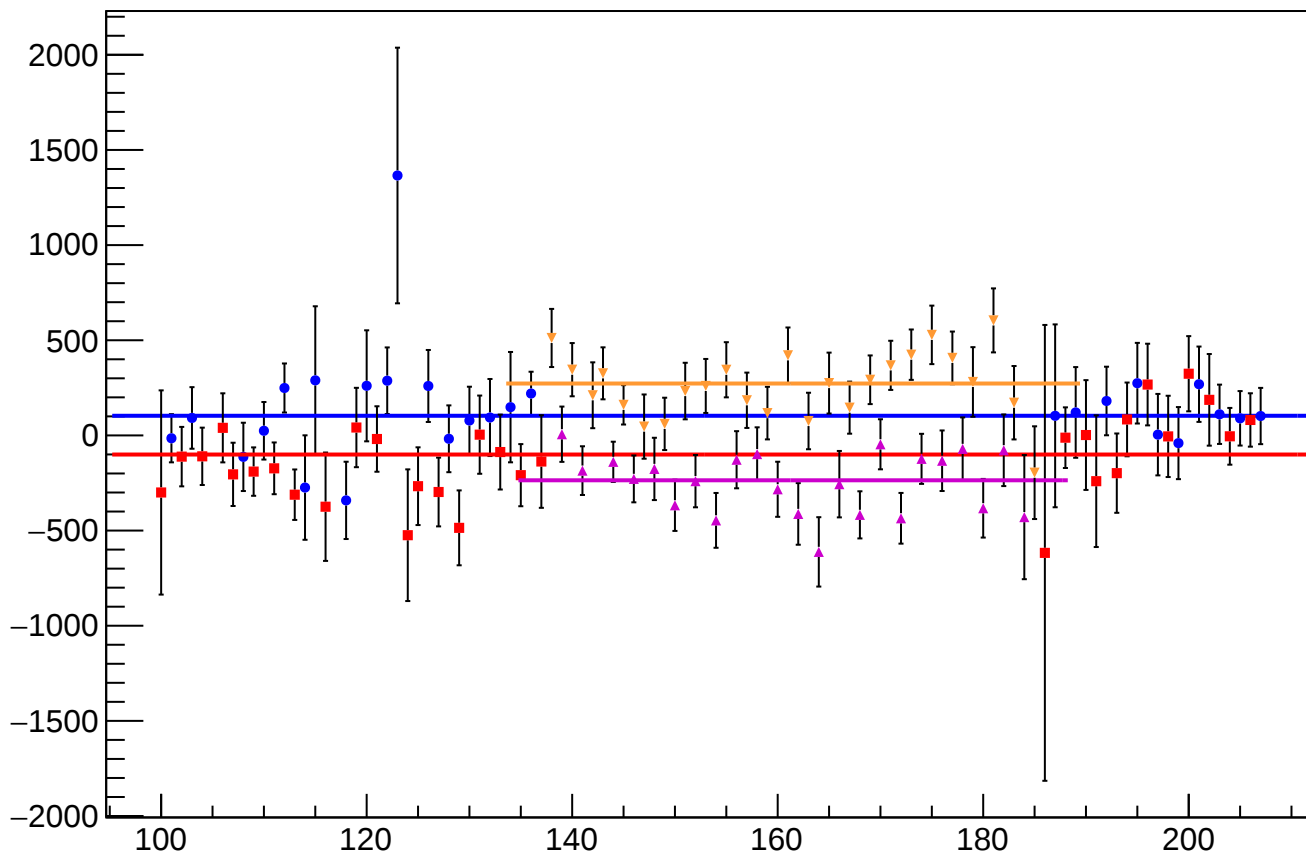
Left In: 248.069+/-0.044 χ^2/NDF : 2343295.0/22

+ sign 292.367+/-0.041 χ^2/NDF : 13930713.1/51

All: 291.543+/-0.029 χ^2/NDF : 29452364.1/10

- sign 290.713+/-0.042 χ^2/NDF : 15520856.0/53

reg_asym_sam_48_dd_mean vs Slug



Right In: 103.202 ± 34.985 χ^2/NDF : 20.3/26

Left Out: 272.684 ± 29.221 χ^2/NDF : 27.4/24

Right Out: -100.441 ± 33.670 χ^2/NDF : 27.2/30

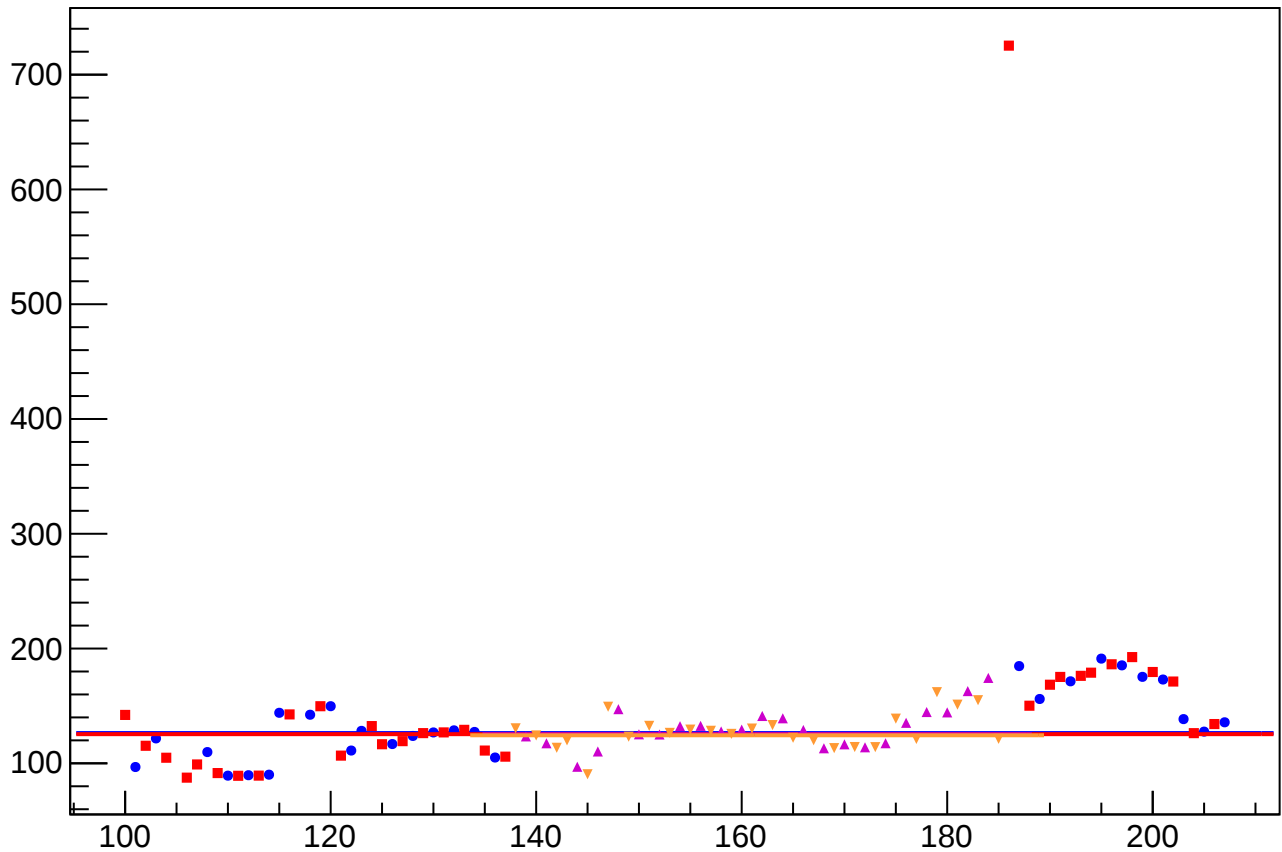
Left In: -235.801 ± 30.232 χ^2/NDF : 24.6/22

+ sign 203.035 ± 22.427 χ^2/NDF : 61.6/51

All: 14.395 ± 15.882 χ^2/NDF : 264.2/105

- sign -175.383 ± 22.495 χ^2/NDF : 60.7/53

reg_asym_sam_48_dd_rms vs Slug



Right In: 126.350+/-0.025 χ^2/NDF : 1355674.5/26

Left Out: 124.429+/-0.021 χ^2/NDF : 539731.8/24

Right Out: 125.402+/-0.024 χ^2/NDF : 2209737.3/30

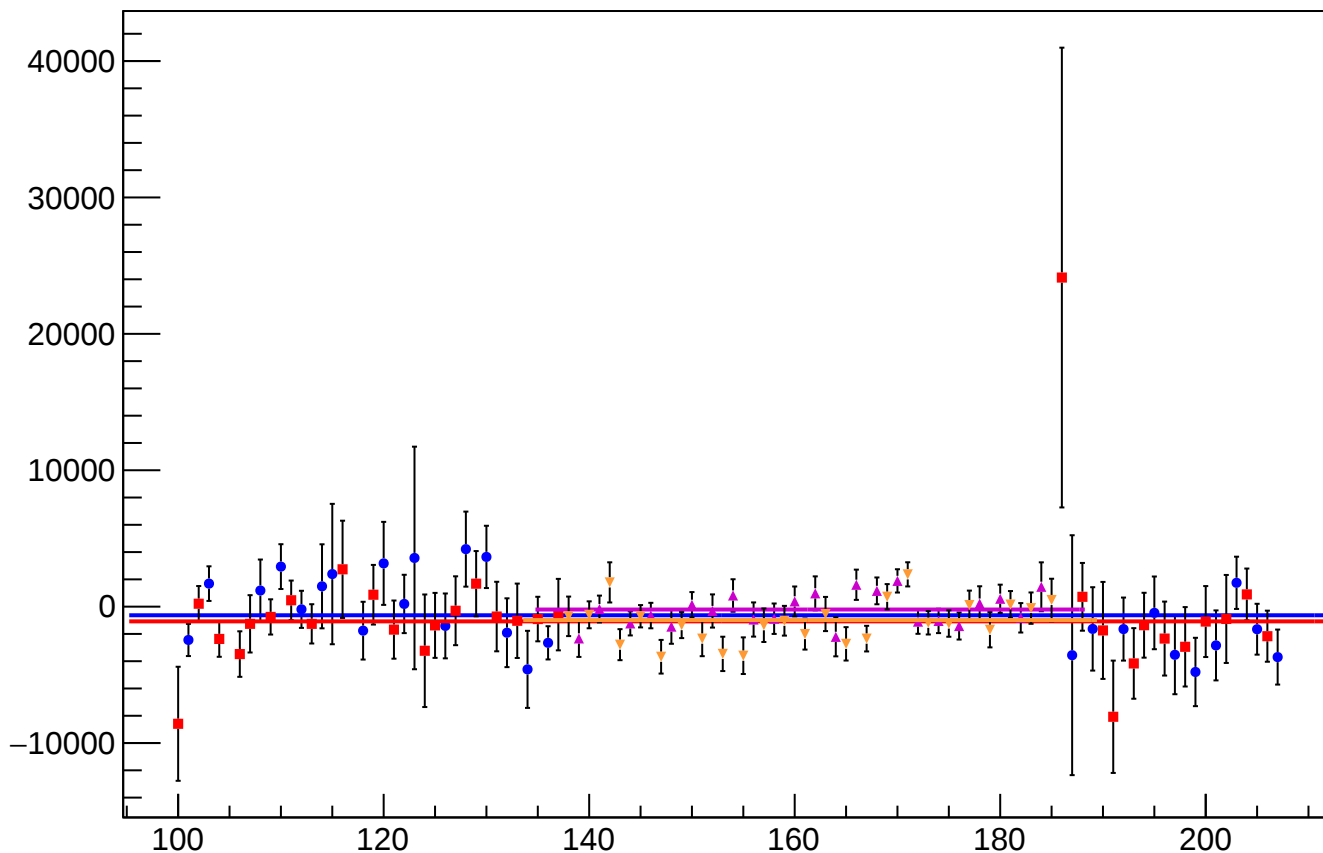
Left In: 125.205+/-0.021 χ^2/NDF : 501388.2/22

+ sign 125.218+/-0.016 χ^2/NDF : 1898957.9/51

All: 125.255+/-0.011 χ^2/NDF : 4610132.2/105

- sign 125.293+/-0.016 χ^2/NDF : 2711163.3/53

asym_sam_48_dd_correction_mean vs Slug



Right In: -632.390 ± 398.558 χ^2/NDF : 35.0/26

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1078.961 ± 379.154 χ^2/NDF : 21.5/30

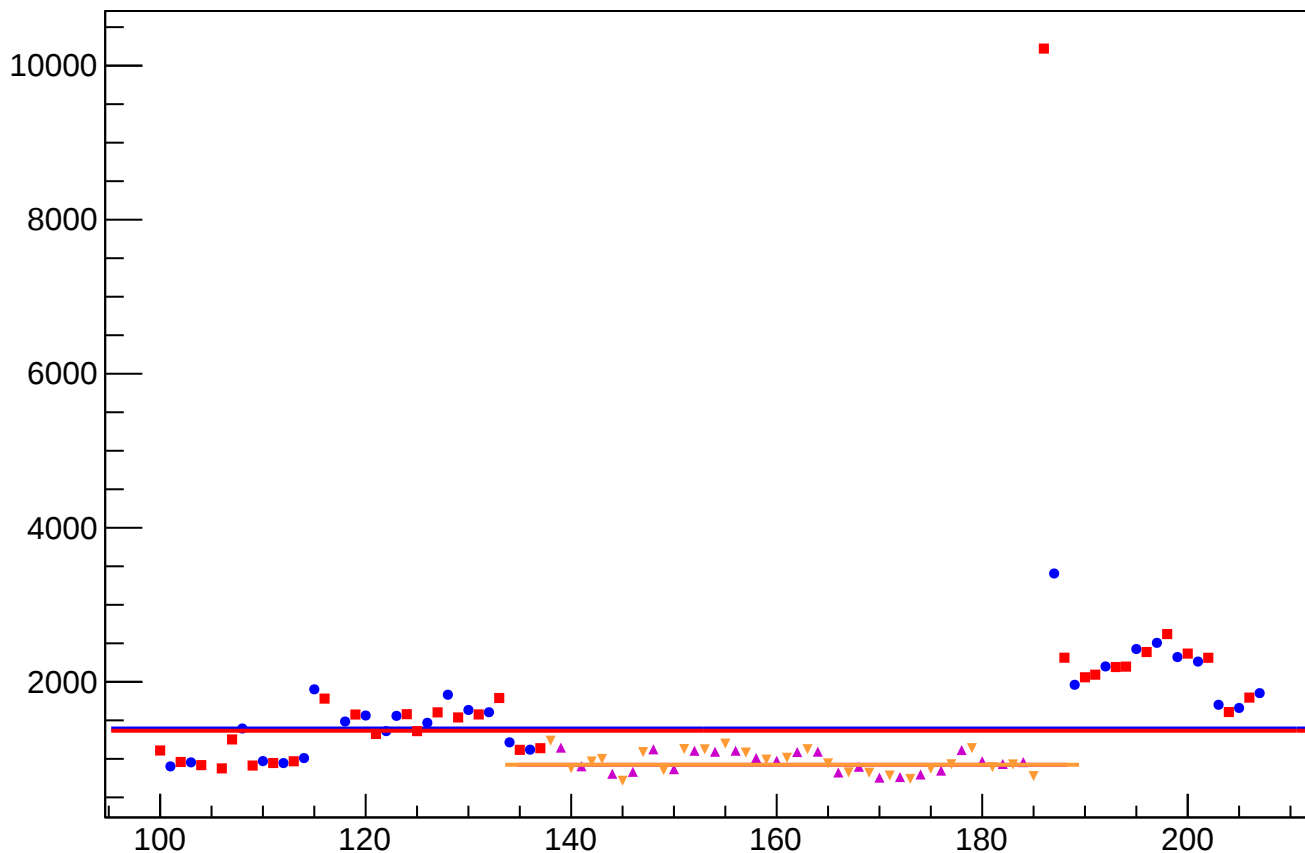
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -902.124 ± 191.273 χ^2/NDF : 82.8/51

All: -669.860 ± 135.650 χ^2/NDF : 136.8/105

- sign -434.831 ± 192.408 χ^2/NDF : 51.0/53

asym_sam_48_dd_correction_rms vs Slug



Right In: 1393.873+/-0.282 χ^2/NDF : 2911772.5/26

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

Right Out: 1365.124+/-0.268 χ^2/NDF : 4076631.4/30

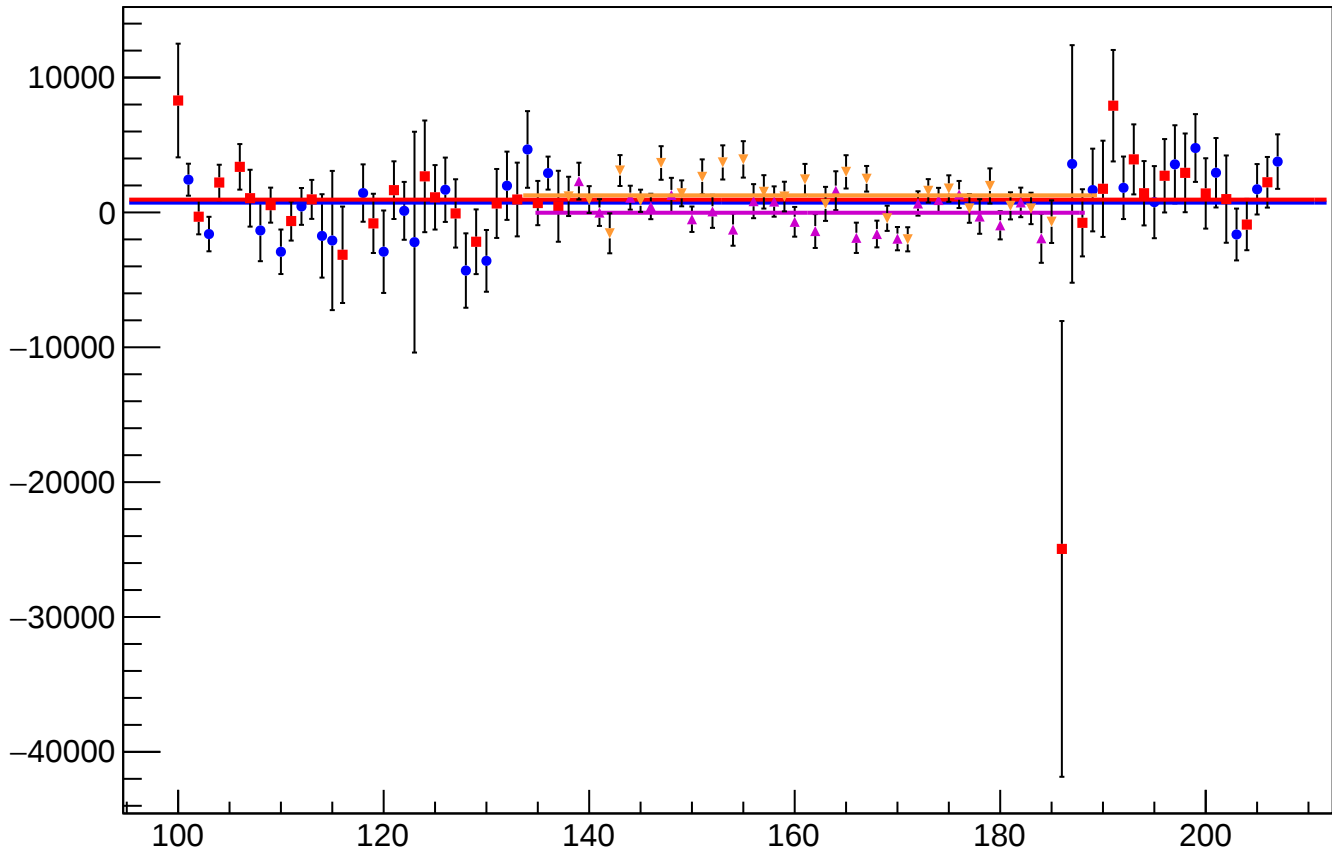
Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

+ sign 1031.901+/-0.135 χ^2/NDF : 5897842.5/51

All: 1034.086+/-0.096 χ^2/NDF : 12635766.0/101

- sign 1036.296+/-0.136 χ^2/NDF : 6737398.7/53

asym_sam_48_dd_mean vs Slug



Right In: 726.426 $\pm$ 400.321 χ^2 /NDF: 35.0/26

Left Out: 1267.344 $\pm$ 220.133 χ^2 /NDF:44.9/24

Right Out: 949.353 $\pm$ 381.006 χ^2 /NDF: 21.8/30

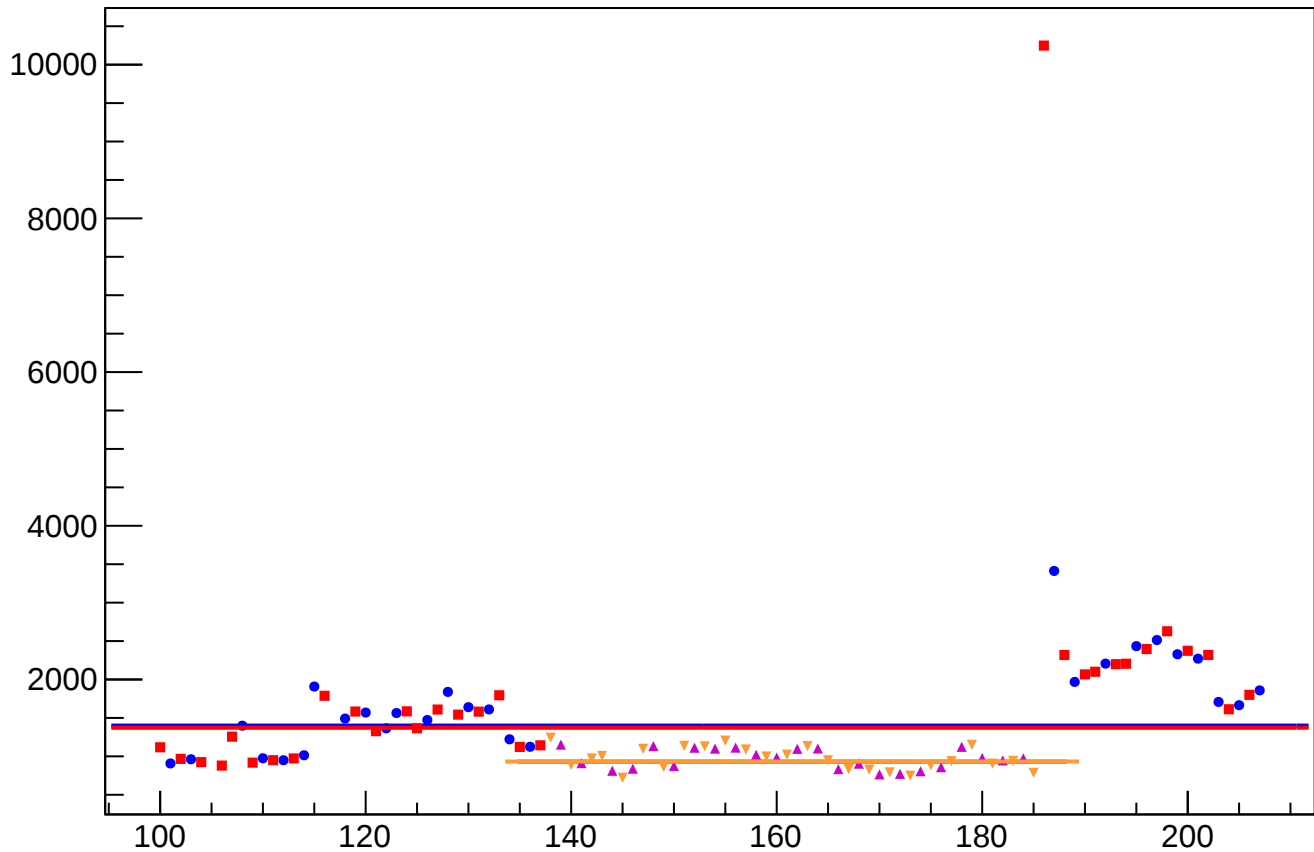
Left In: -23.478 $\pm$ 225.490 χ^2 /NDF:27.2/22

+ sign 1141.756 $\pm$ 192.893 χ^2 /NDF: 81.3/51

All: 688.052 $\pm$ 136.804 χ^2 /NDF: 146.3/105

- sign 228.877 $\pm$ 194.052 χ^2 /NDF: 53.8/53

asym_sam_48_dd_rms vs Slug



Right In: 1400.583+/-0.283 χ^2/NDF : 2894109.6/26

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1372.184+/-0.269 χ^2/NDF : 4054383.4/30

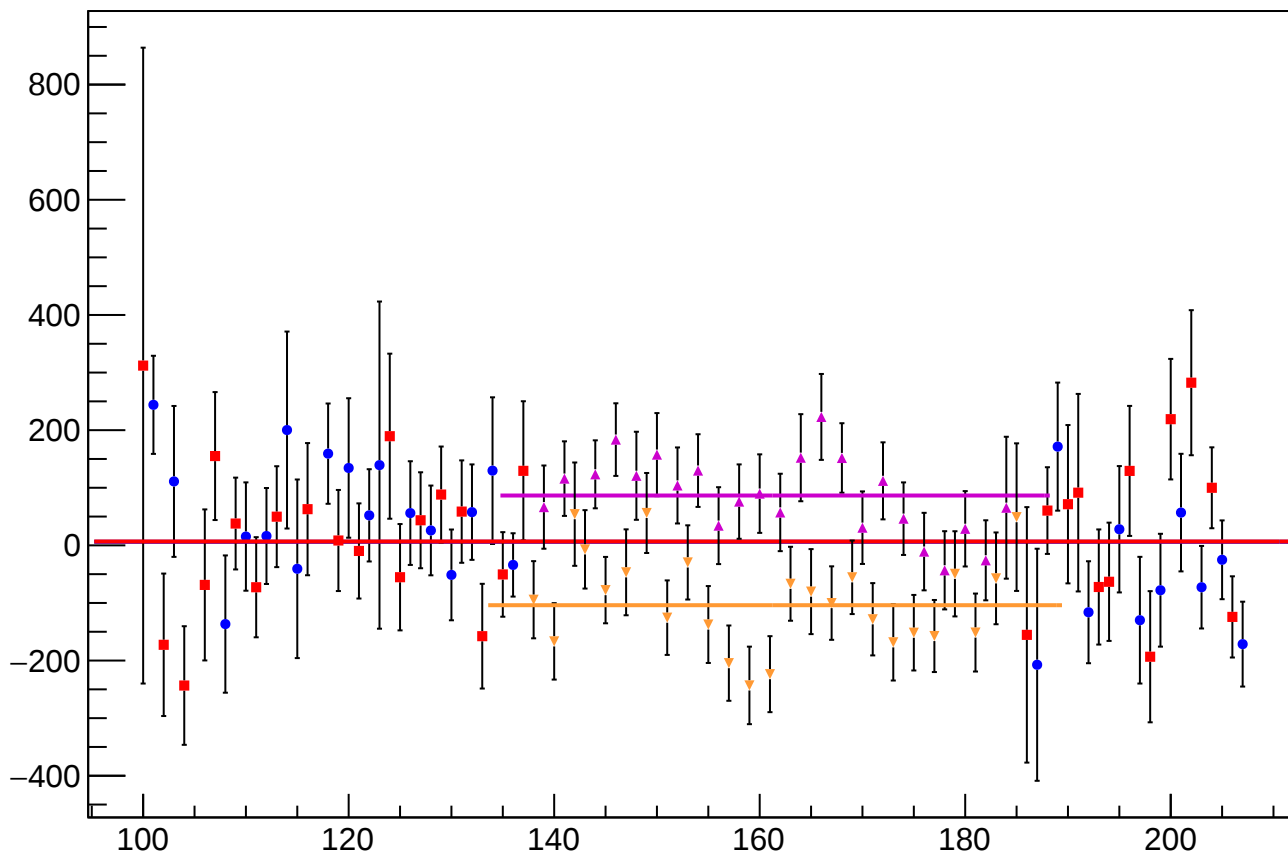
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1041.380+/-0.136 χ^2/NDF : 5821071.1/51

All: 1043.581+/-0.097 χ^2/NDF : 12482019.2/100

- sign 1045.809+/-0.137 χ^2/NDF : 6660424.1/53

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 6.231 ± 17.825 χ^2/NDF : 33.8/26

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: 6.719 ± 17.614 χ^2/NDF : 41.4/30

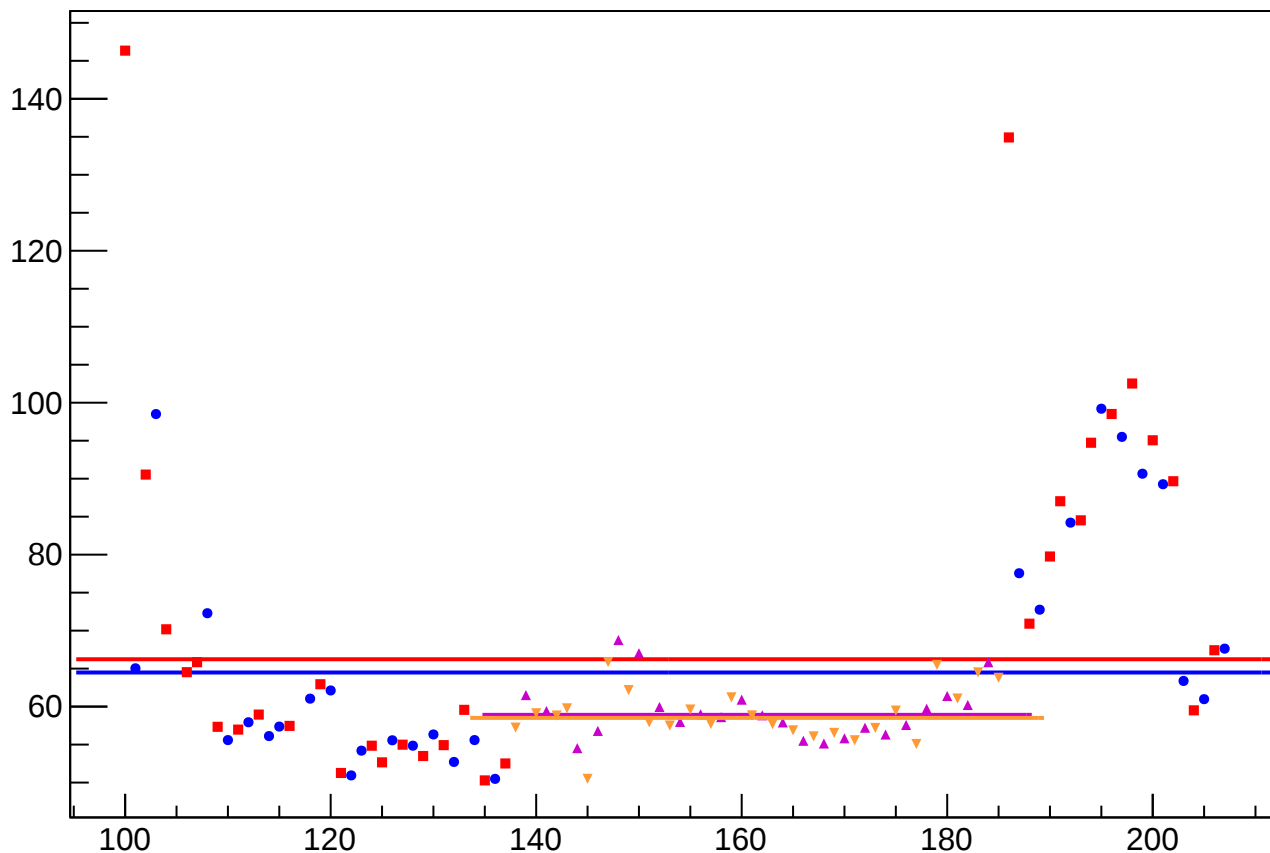
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -63.220 ± 10.834 χ^2/NDF : 87.9/51

All: -4.949 ± 7.725 χ^2/NDF : 222.0/105

- sign 55.315 ± 11.017 χ^2/NDF : 75.3/53

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.489 ± 0.013 χ^2/NDF : 1246115.9/26

Left Out: 58.513 ± 0.010 χ^2/NDF : 123221.6/24

Right Out: 66.232 ± 0.012 χ^2/NDF : 1642518.6/30

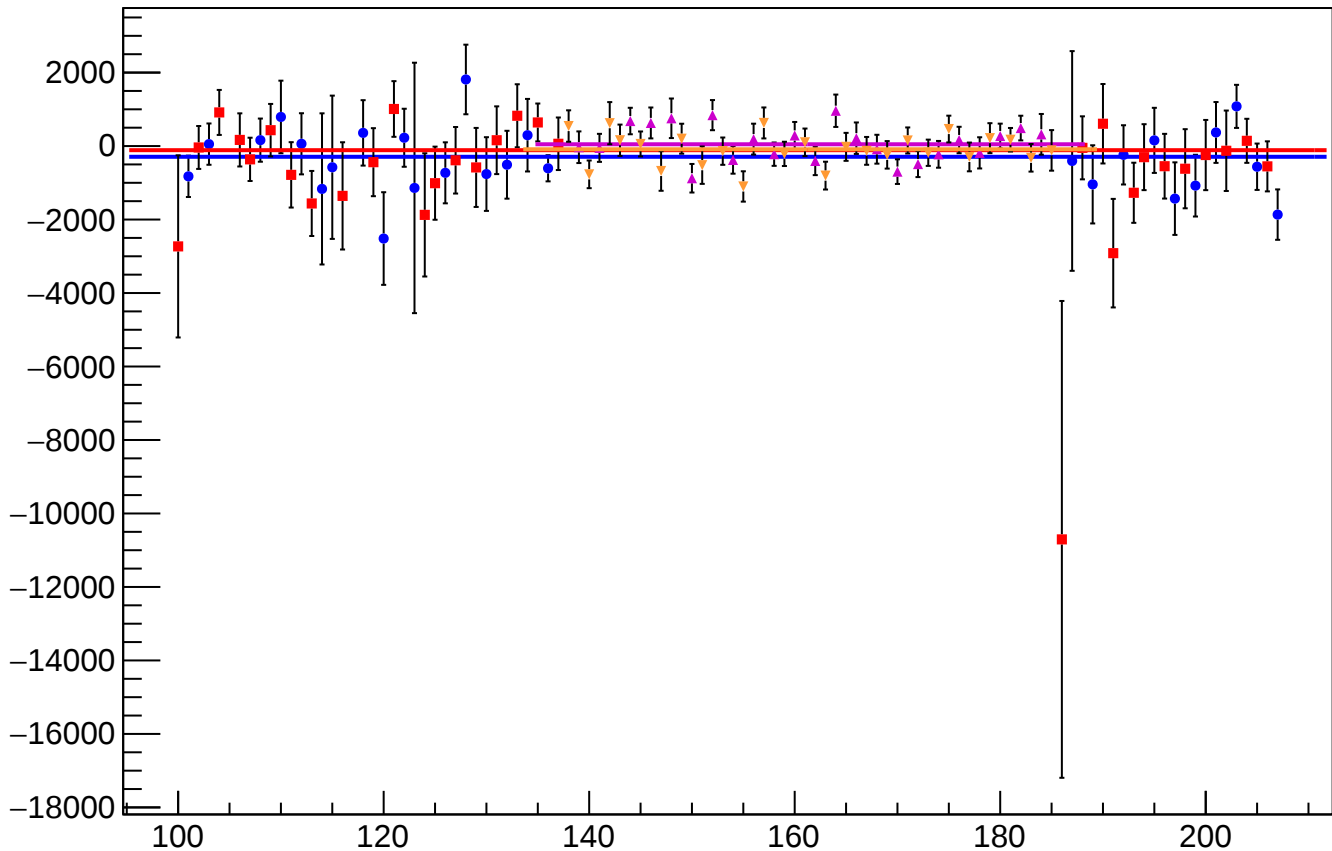
Left In: 58.913 ± 0.010 χ^2/NDF : 109968.0/22

+ sign 60.720 ± 0.008 χ^2/NDF : 1511082.7/51

All: 61.239 ± 0.005 χ^2/NDF : 3483101.1/105

- sign 61.776 ± 0.008 χ^2/NDF : 1962672.8/53

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -291.937 ± 149.636 χ^2/NDF : 28.7/26

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -112.166 ± 149.751 χ^2/NDF : 26.7/30

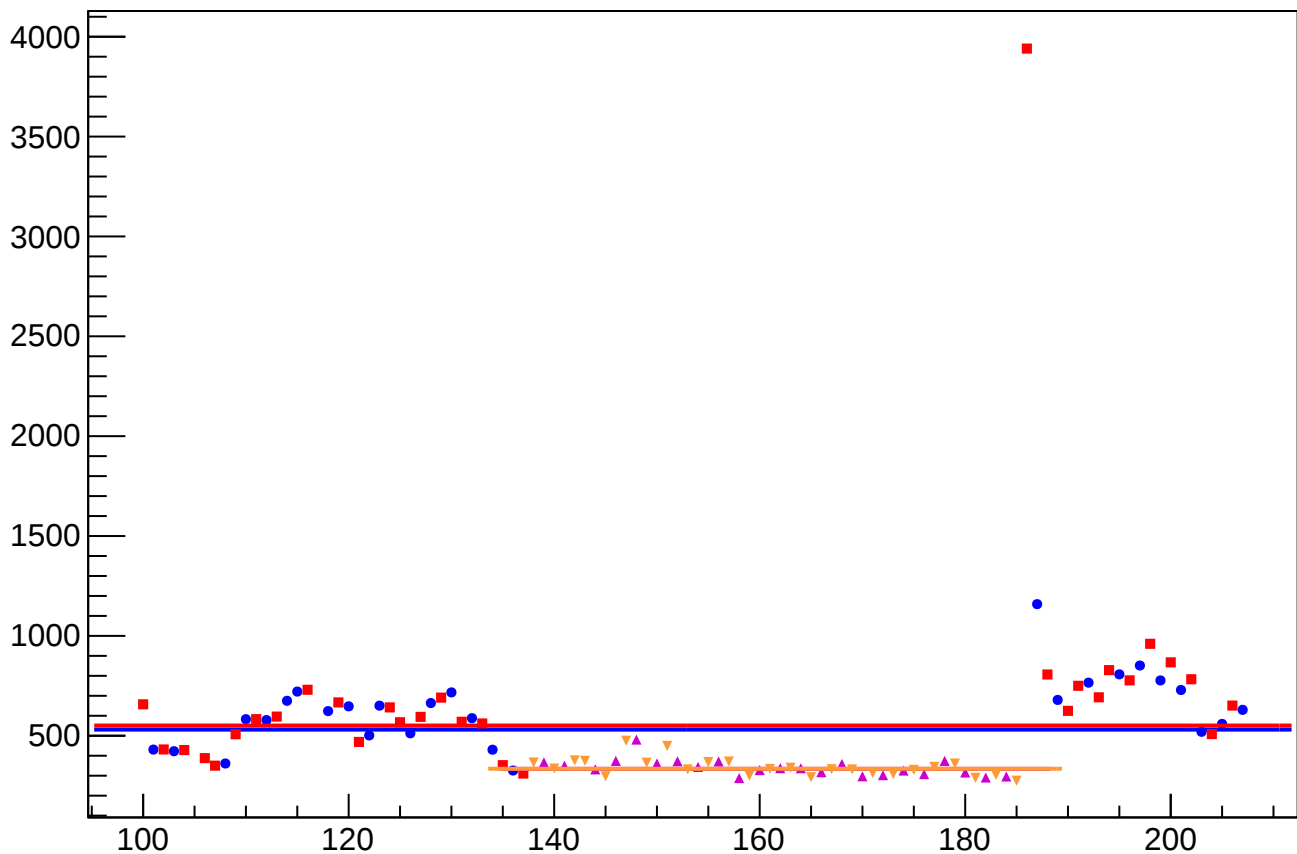
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -131.638 ± 69.554 χ^2/NDF : 57.9/51

All: -60.922 ± 49.664 χ^2/NDF : 123.0/105

- sign 12.635 ± 70.937 χ^2/NDF : 62.9/53

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 530.770+/-0.106 χ^2/NDF : 2225410.3/26

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

Right Out: 551.055+/-0.106 χ^2/NDF : 2974166.0/30

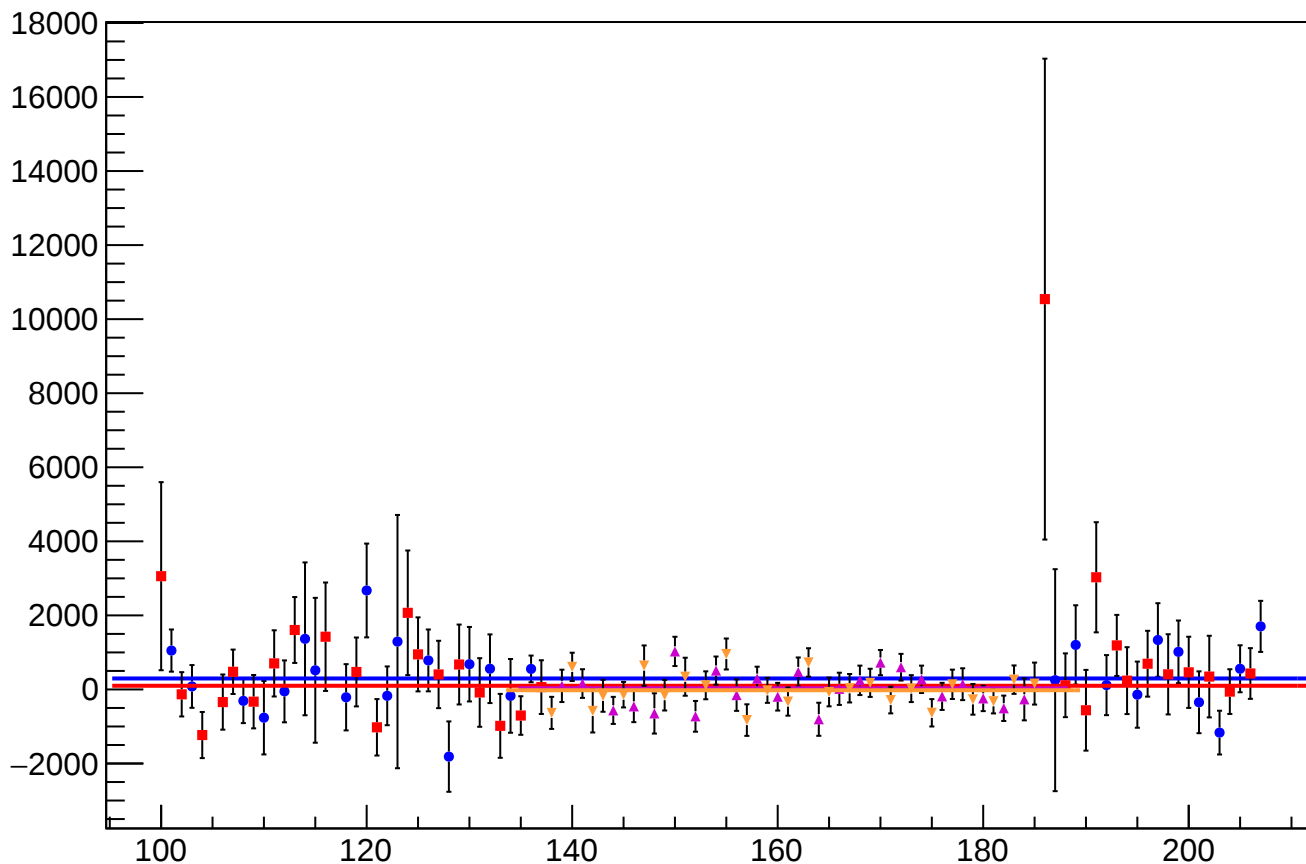
Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

+ sign 377.101+/-0.049 χ^2/NDF : 5407374.9/51

All: 379.904+/-0.035 χ^2/NDF : 12039887.7/10

- sign 382.819+/-0.050 χ^2/NDF : 6625887.0/53

asym_sam_13_57_dd_mean vs Slug



Right In: 296.570 $\pm$ 151.149 χ^2 /NDF: 28.9/26

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 99.369 $\pm$ 151.323 χ^2 /NDF: 29.7/30

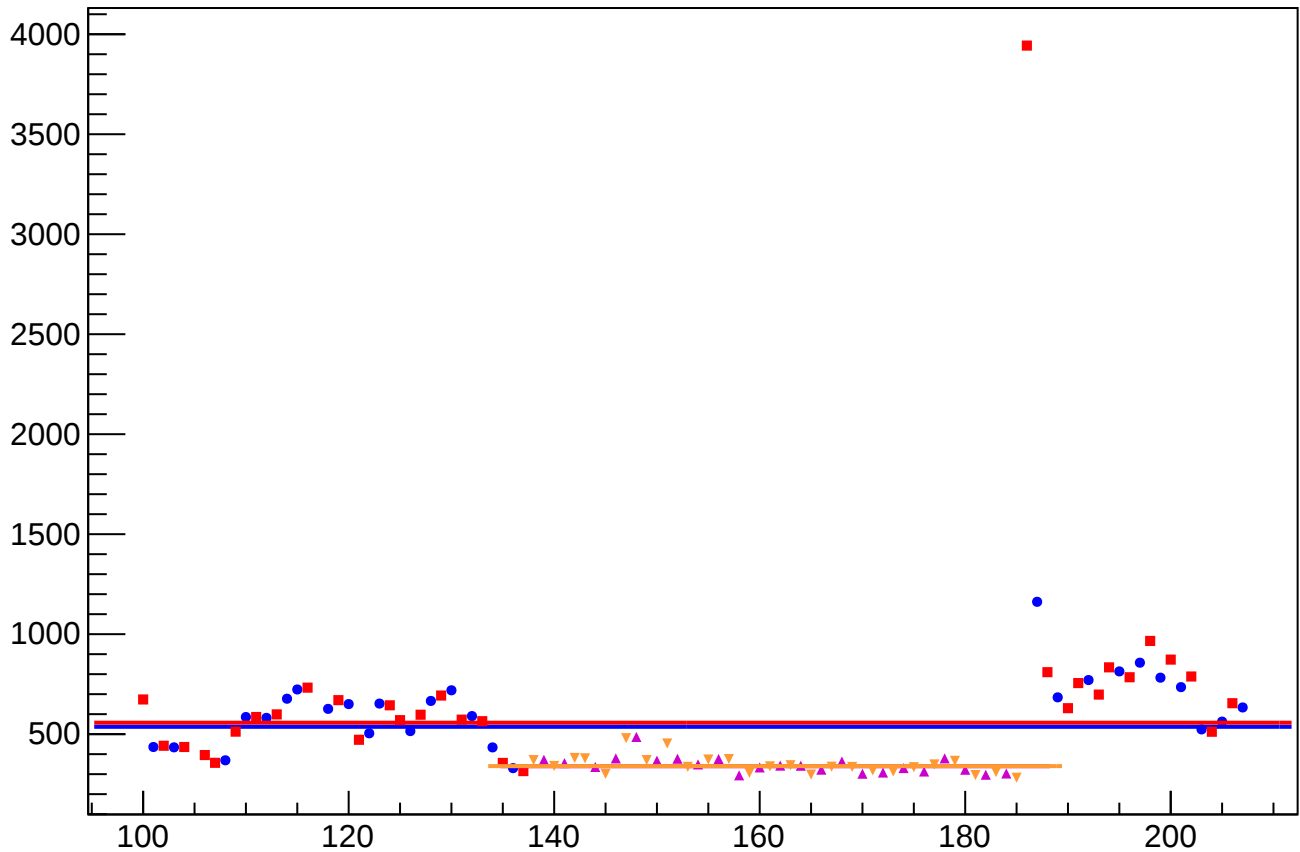
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 48.322 $\pm$ 70.577 χ^2 /NDF: 59.5/51

All: 47.718 $\pm$ 50.396 χ^2 /NDF: 123.5/105

- sign 47.091 $\pm$ 71.986 χ^2 /NDF: 63.9/53

asym_sam_13_57_dd_rms vs Slug



Right In: 536.796 $\pm$ 0.107 χ^2 /NDF: 2167004.8/26

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 557.425 $\pm$ 0.107 χ^2 /NDF: 2909916.4/30

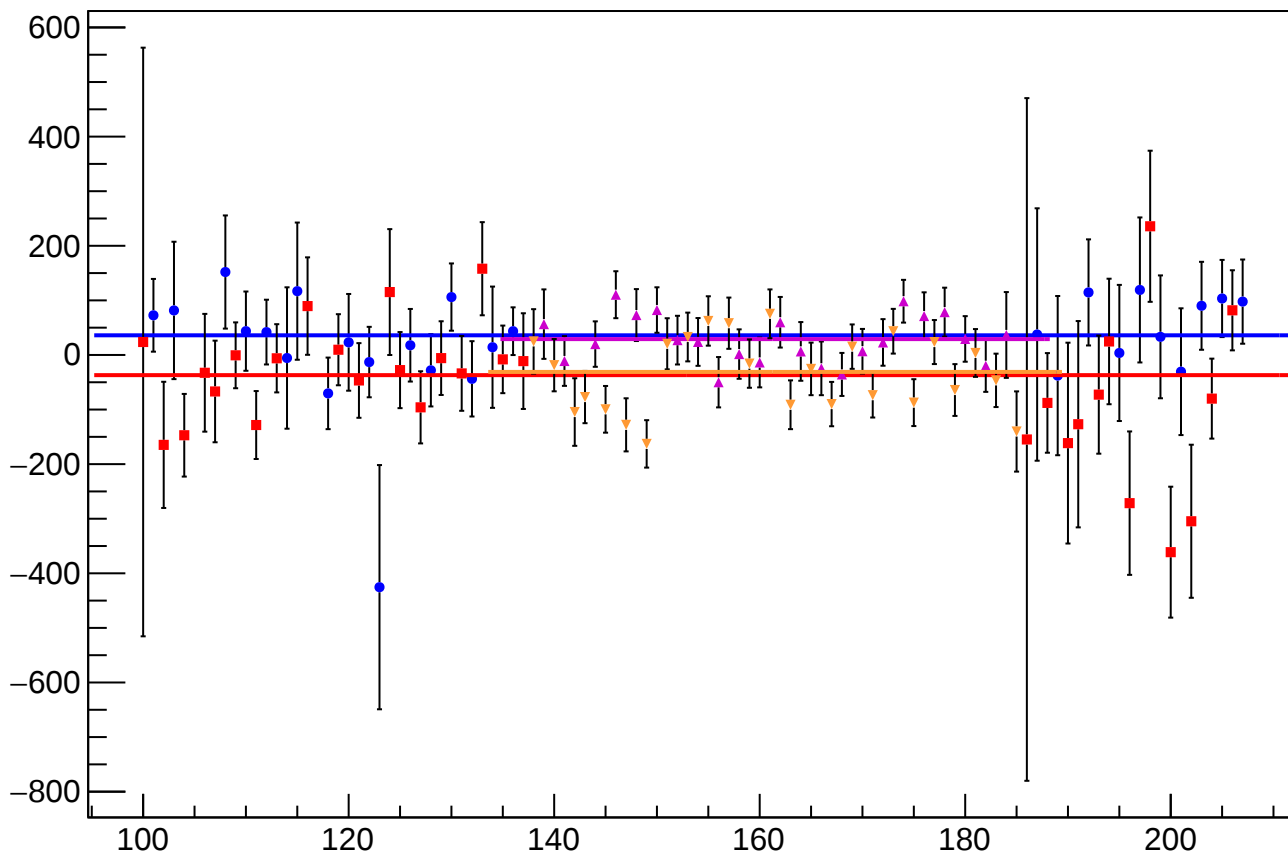
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 383.093 $\pm$ 0.050 χ^2 /NDF: 5280683.4/51

All: 385.944 $\pm$ 0.036 χ^2 /NDF: 11782753.3/10

- sign 388.910 $\pm$ 0.051 χ^2 /NDF: 6495411.3/53

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 36.007 ± 15.619 $\chi^2/\text{NDF}: 17.1/26$

Left Out: -31.063 ± 9.170 $\chi^2/\text{NDF}: 52.6/24$

Right Out: -36.966 ± 15.370 $\chi^2/\text{NDF}: 39.5/30$

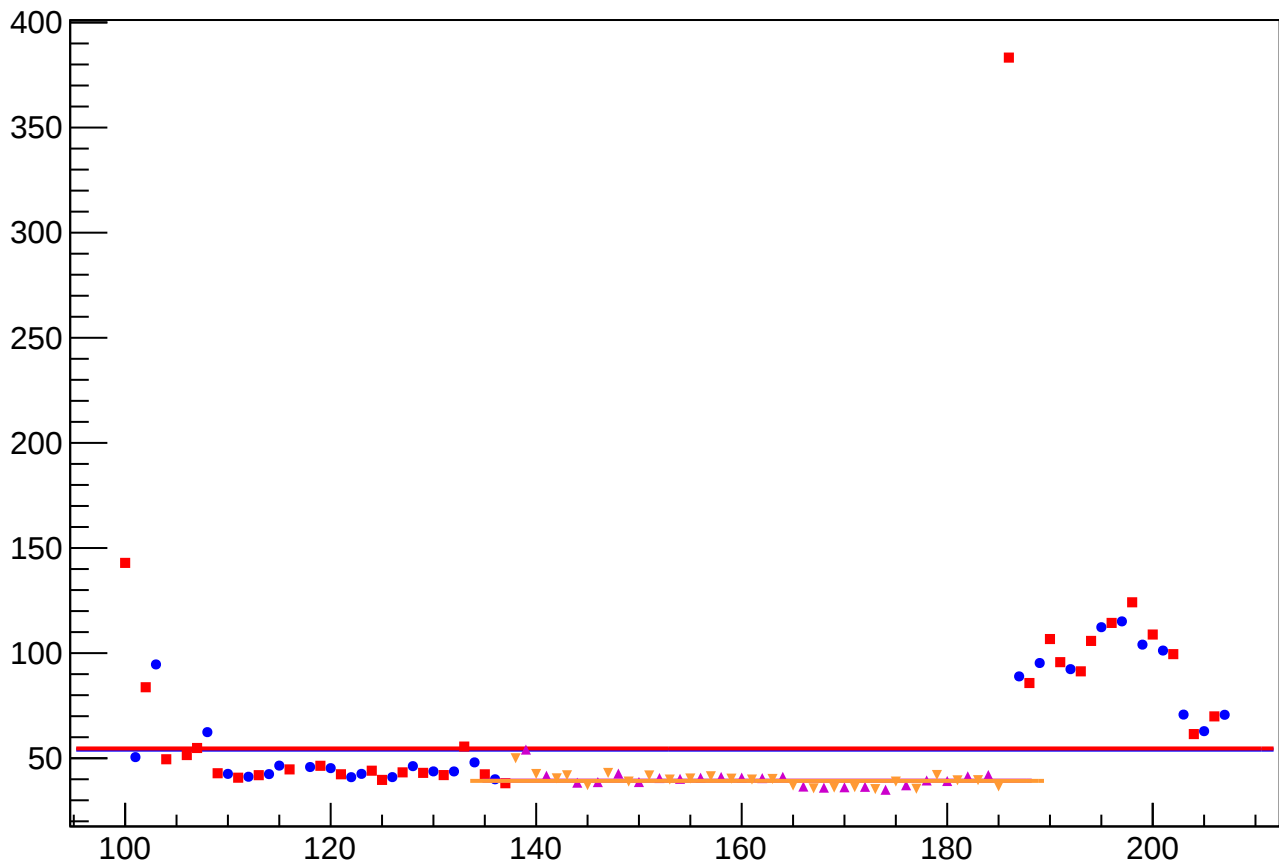
Left In: 29.055 ± 9.449 $\chi^2/\text{NDF}: 22.4/22$

+ sign -13.872 ± 7.908 $\chi^2/\text{NDF}: 83.4/51$

All: -1.684 ± 5.641 $\chi^2/\text{NDF}: 163.6/105$

- sign 10.945 ± 8.050 $\chi^2/\text{NDF}: 75.3/53$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 54.084 $\pm$ 0.011 χ^2 /NDF: 3261329.3/26

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 54.653 $\pm$ 0.011 χ^2 /NDF: 4318430.5/30

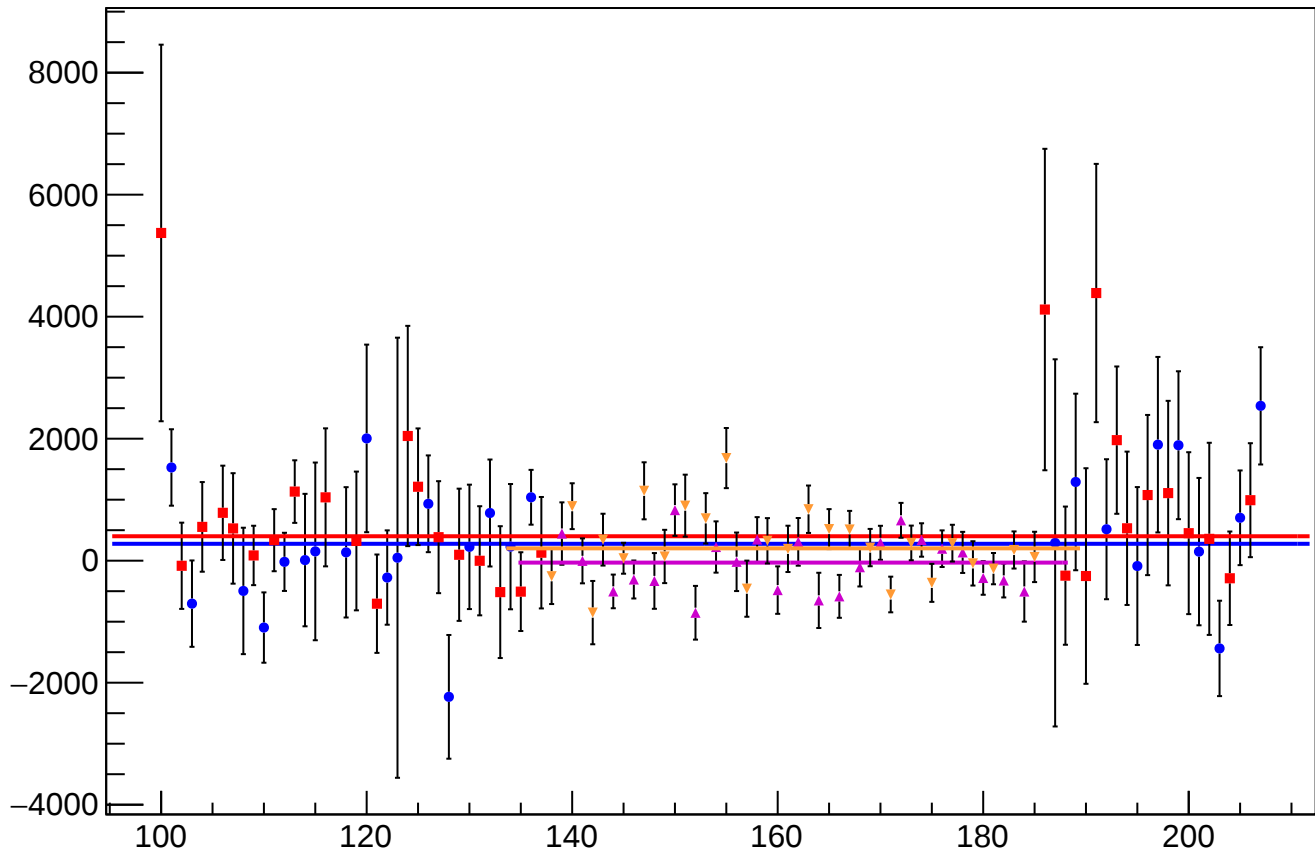
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 43.041 $\pm$ 0.006 χ^2 /NDF: 4807561.4/51

All: 43.286 $\pm$ 0.004 χ^2 /NDF: 10786585.2/109

- sign 43.539 $\pm$ 0.006 χ^2 /NDF: 5975124.9/53

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 276.905 $\pm$ 166.311 χ^2 /NDF: 38.7/26

Left Out: 202.369 $\pm$ 70.426 χ^2 /NDF: 44.8/24

Right Out: 400.628 $\pm$ 160.969 χ^2 /NDF: 22.1/30

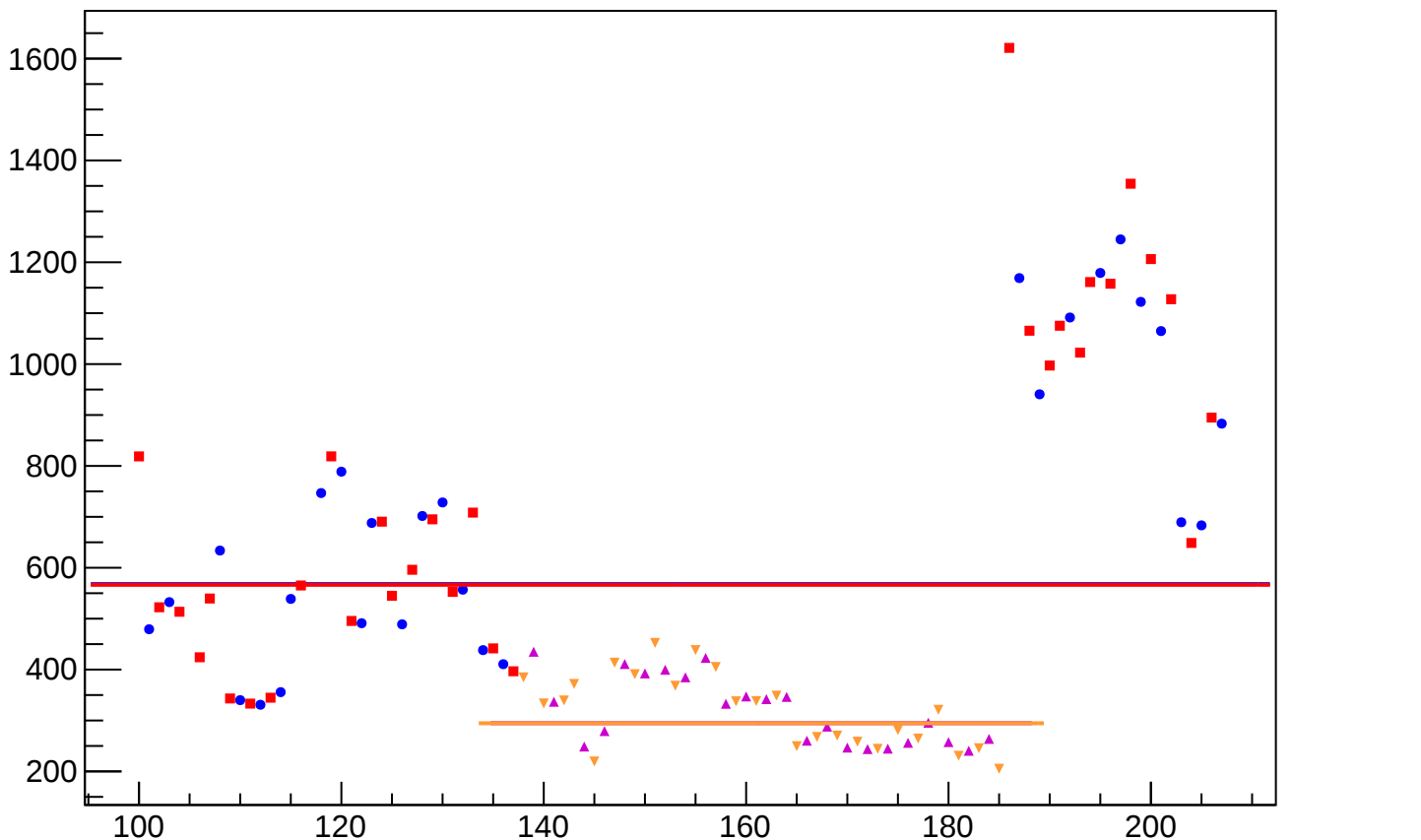
Left In: -31.548 $\pm$ 72.100 χ^2 /NDF: 33.4/22

+ sign 213.703 $\pm$ 64.851 χ^2 /NDF: 83.7/51

All: 128.443 $\pm$ 46.189 χ^2 /NDF: 148.7/105

- sign 40.669 $\pm$ 65.801 χ^2 /NDF: 61.4/53

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 567.856 $\pm$ 0.118 χ^2 /NDF: 4020401.1/26

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF:1680474.5/24

Right Out: 566.577 $\pm$ 0.114 χ^2 /NDF: 5262791.8/30

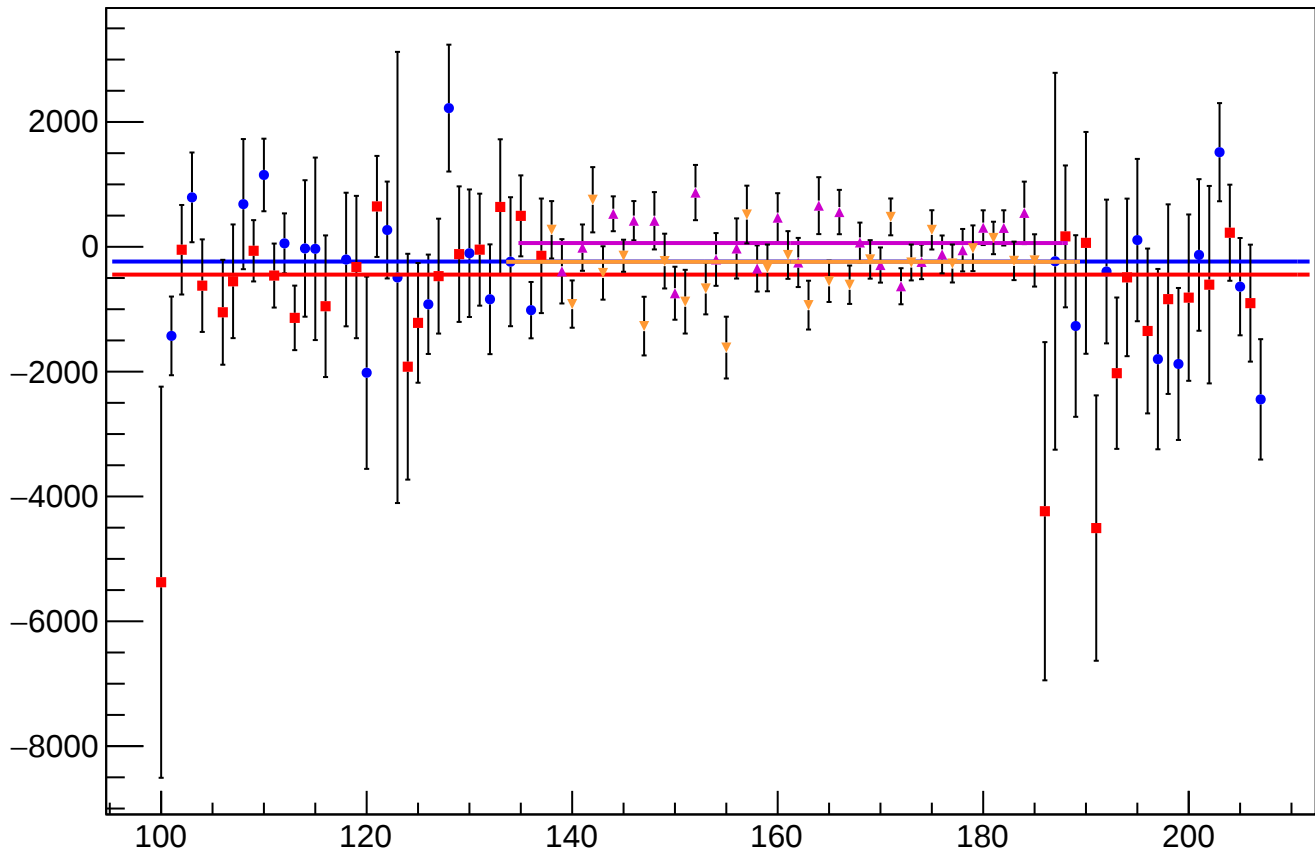
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF:1297310.3/22

+ sign 336.142 $\pm$ 0.046 χ^2 /NDF: 10279365.2/51

All: 338.116 $\pm$ 0.033 χ^2 /NDF: 21594531.0/10

- sign 340.149 $\pm$ 0.047 χ^2 /NDF: 11311403.1/53

asym_sam_15_37_dd_mean vs Slug



Right In: -236.049 ± 167.283 χ^2/NDF : 38.4/26

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -445.333 ± 162.474 χ^2/NDF : 21.9/30

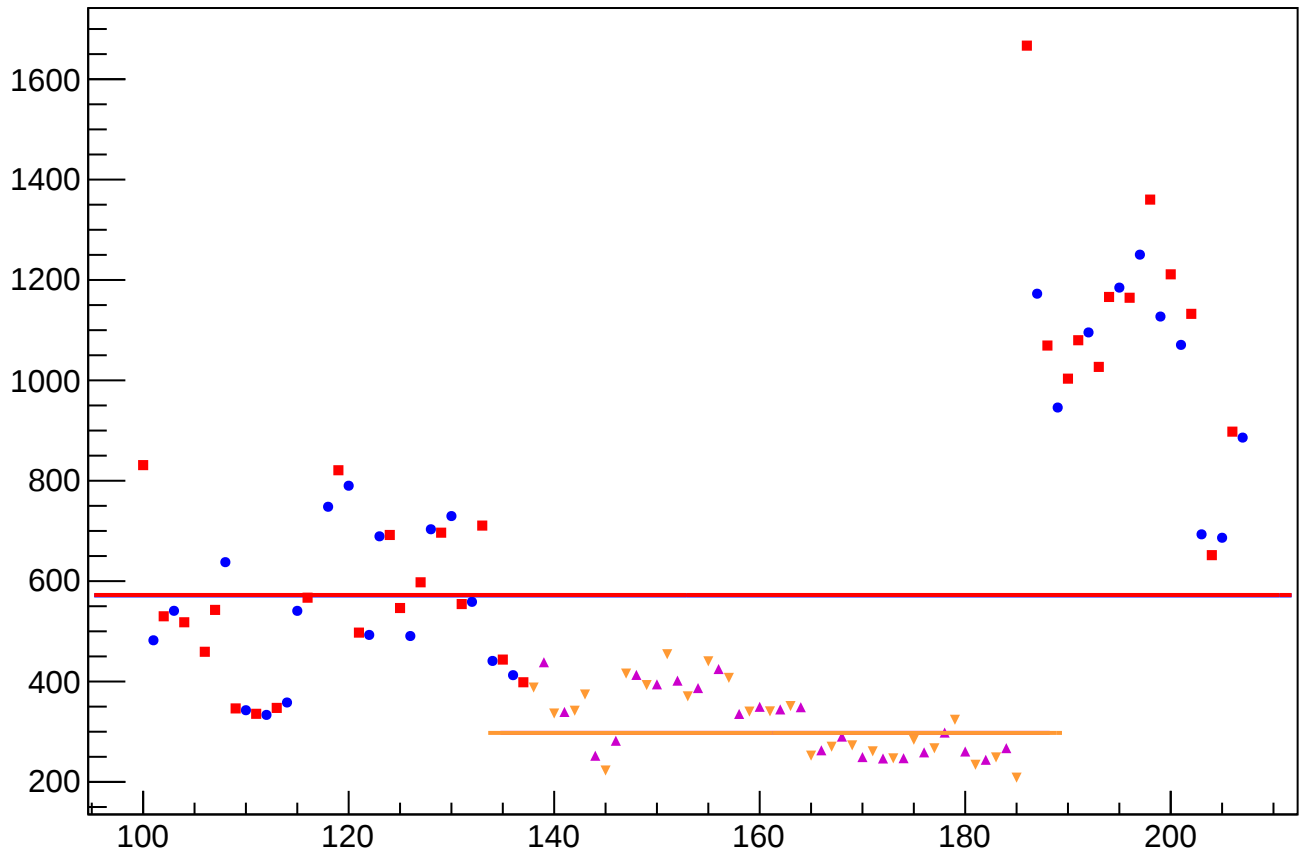
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -239.698 ± 65.435 χ^2/NDF : 81.3/51

All: -133.567 ± 46.616 χ^2/NDF : 147.6/105

- sign -24.194 ± 66.427 χ^2/NDF : 60.9/53

asym_sam_15_37_dd_rms vs Slug



Right In: 571.451+/-0.118 χ^2/NDF : 3999296.7/26

Left Out: 297.613+/-0.050 χ^2/NDF : 1637757.8/24

Right Out: 572.448+/-0.115 χ^2/NDF : 5209067.7/30

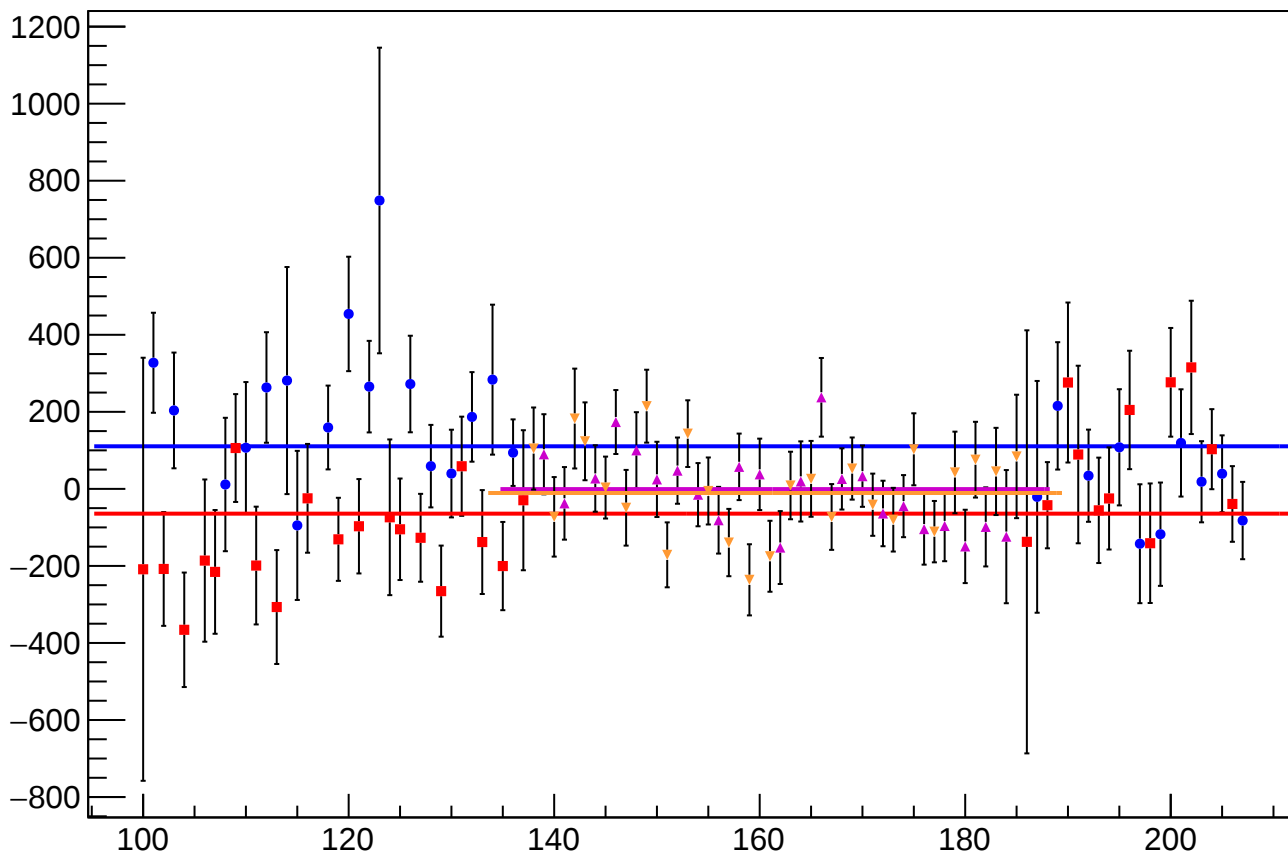
Left In: 297.699+/-0.051 χ^2/NDF : 1266306.2/22

+ sign 339.513+/-0.046 χ^2/NDF : 10176408.8/51

All: 341.538+/-0.033 χ^2/NDF : 21418867.0/10

- sign 343.625+/-0.047 χ^2/NDF : 11238569.1/53

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 110.541 ± 25.580 χ^2/NDF : 31.0/26

Left Out: -10.667 ± 18.610 χ^2/NDF : 36.3/24

Right Out: -64.317 ± 25.403 χ^2/NDF : 37.7/30

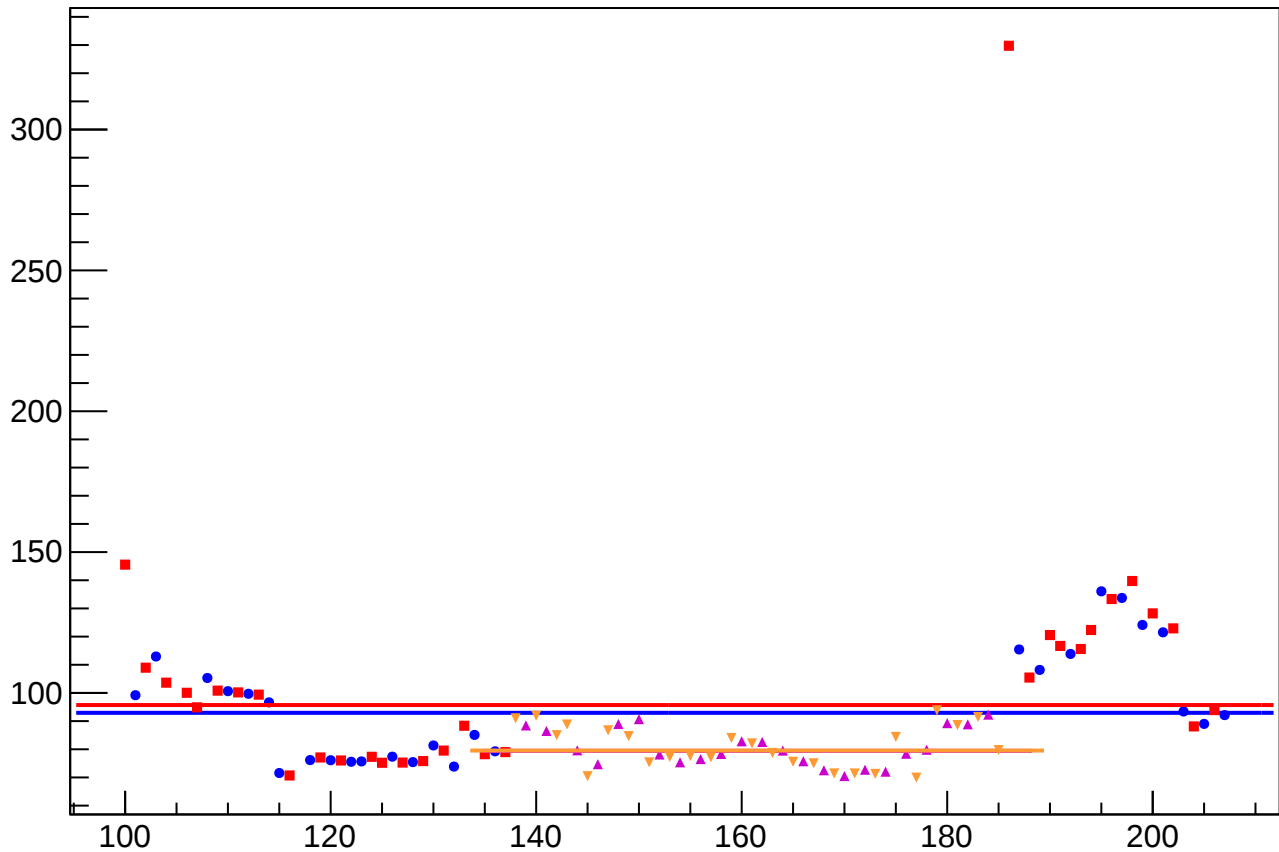
Left In: -0.575 ± 19.091 χ^2/NDF : 23.8/22

+ sign 31.281 ± 15.049 χ^2/NDF : 82.1/51

All: 4.235 ± 10.716 χ^2/NDF : 154.1/105

- sign -23.583 ± 15.262 χ^2/NDF : 65.5/53

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 92.945+/-0.018 χ^2/NDF : 1003610.7/26

Left Out: 79.551+/-0.013 χ^2/NDF : 309075.2/24

Right Out: 95.702+/-0.018 χ^2/NDF : 1499951.8/30

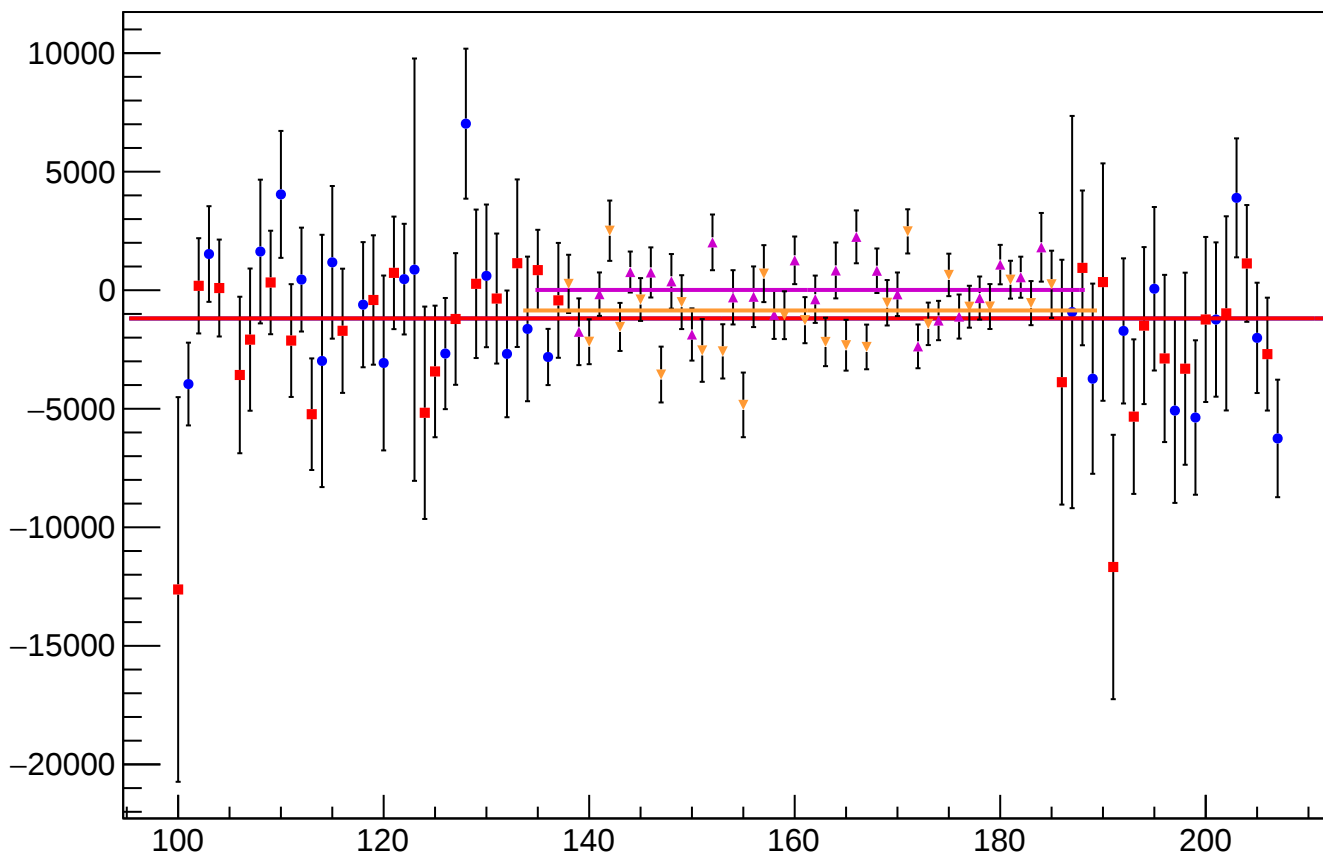
Left In: 79.436+/-0.013 χ^2/NDF : 212440.1/22

+ sign 84.187+/-0.011 χ^2/NDF : 1671243.7/51

All: 84.739+/-0.008 χ^2/NDF : 3913148.3/105

- sign 85.308+/-0.011 χ^2/NDF : 2236432.0/53

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1193.435 ± 502.790 χ^2/NDF : 32.4/26

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1188.281 ± 507.378 χ^2/NDF : 19.3/30

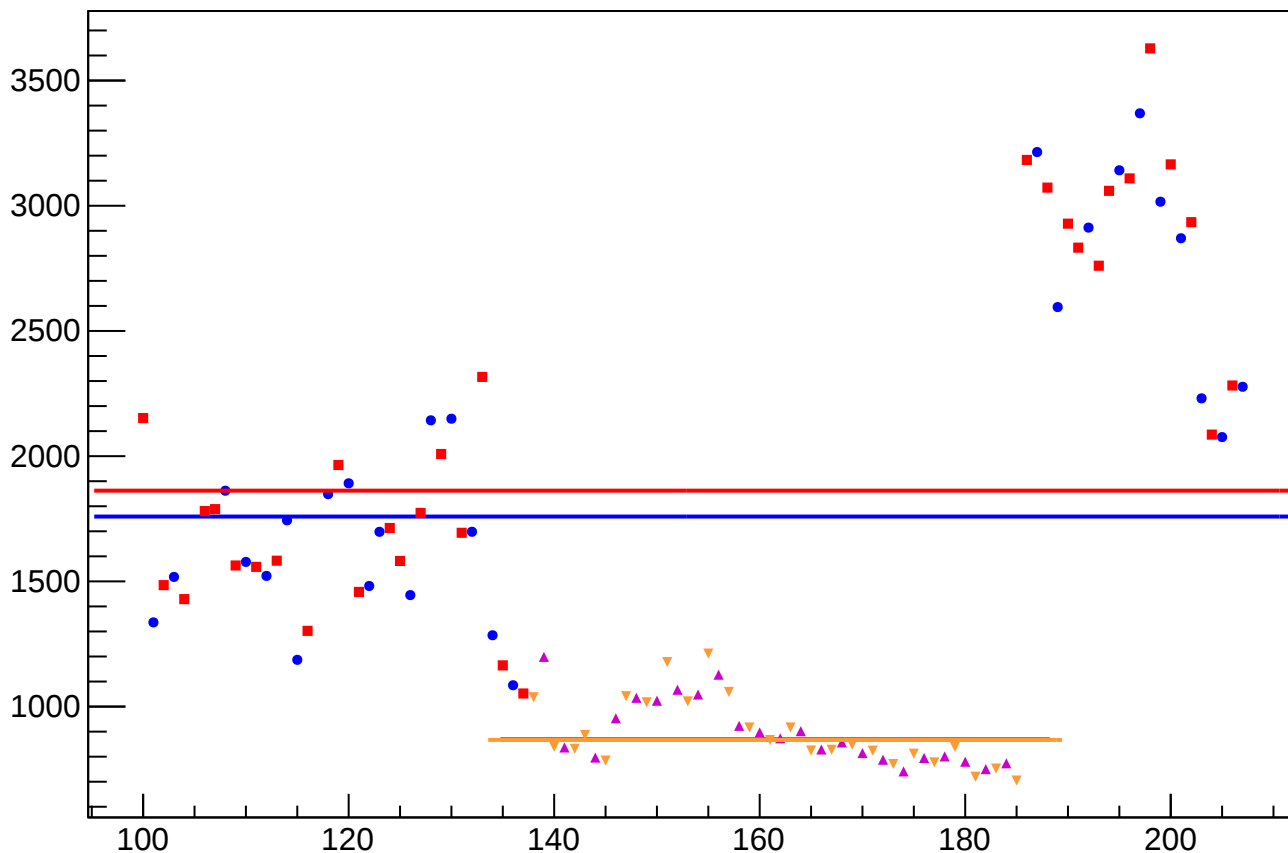
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -902.128 ± 189.105 χ^2/NDF : 88.8/51

All: -542.632 ± 135.447 χ^2/NDF : 151.5/105

- sign -163.916 ± 194.094 χ^2/NDF : 55.3/53

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1758.859 $\pm$ 0.356 χ^2/NDF : 2894600.4/26

Left Out: 866.893 $\pm$ 0.144 χ^2/NDF : 661712.5/24

Right Out: 1862.318 $\pm$ 0.359 χ^2/NDF : 3142826.5/30

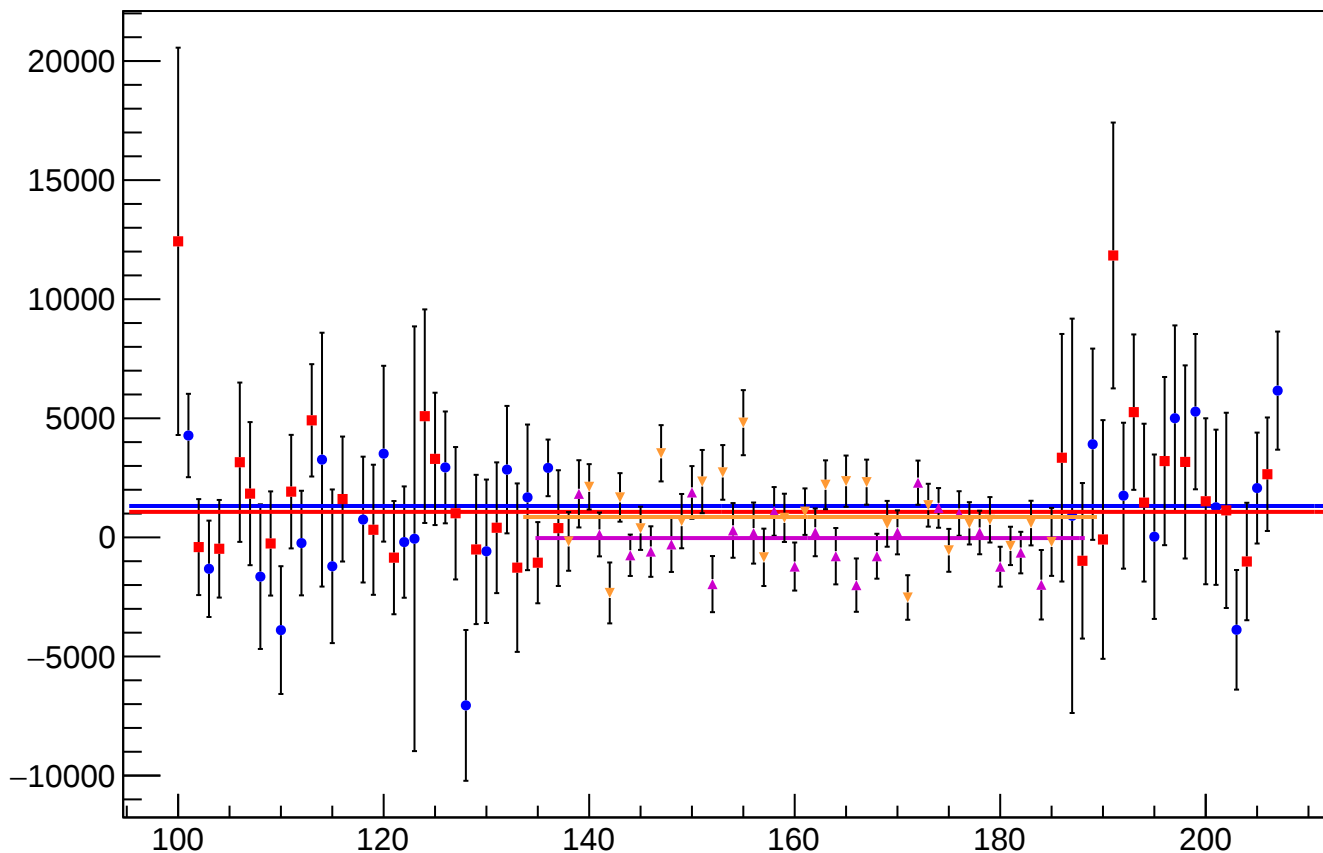
Left In: 869.569 $\pm$ 0.149 χ^2/NDF : 582301.2/22

+ sign 993.070 $\pm$ 0.134 χ^2/NDF : 8960300.1/51

All: 1003.675 $\pm$ 0.096 χ^2/NDF : 19234626.7/100

- sign 1014.848 $\pm$ 0.137 χ^2/NDF : 10261409.9/53

asym_sam_24_68_dd_mean vs Slug



Right In: 1318.599 $\pm$ 503.680 χ^2 /NDF: 32.6/26

Left Out: 855.664 $\pm$ 205.047 χ^2 /NDF: 54.1/24

Right Out: 1071.136 $\pm$ 508.362 χ^2 /NDF: 19.1/30

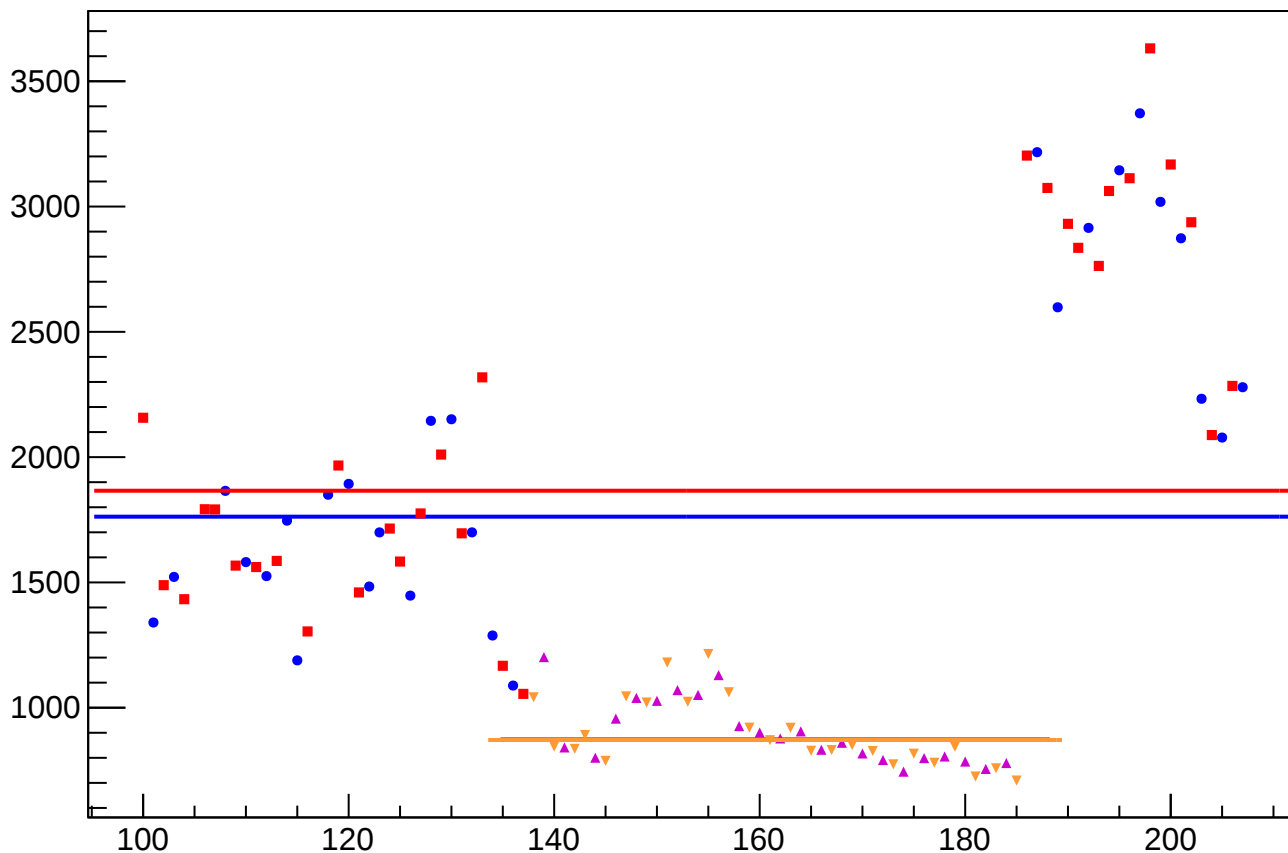
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 921.479 $\pm$ 189.913 χ^2 /NDF: 87.3/51

All: 537.518 $\pm$ 136.020 χ^2 /NDF: 148.6/105

- sign 133.098 $\pm$ 194.907 χ^2 /NDF: 52.8/53

asym_sam_24_68_dd_rms vs Slug



Right In: 1762.402 $\pm$ 0.356 χ^2 /NDF: 2883310.9/26

Left Out: 871.109 $\pm$ 0.145 χ^2 /NDF: 651751.1/24

Right Out: 1865.943 $\pm$ 0.359 χ^2 /NDF: 3134777.8/30

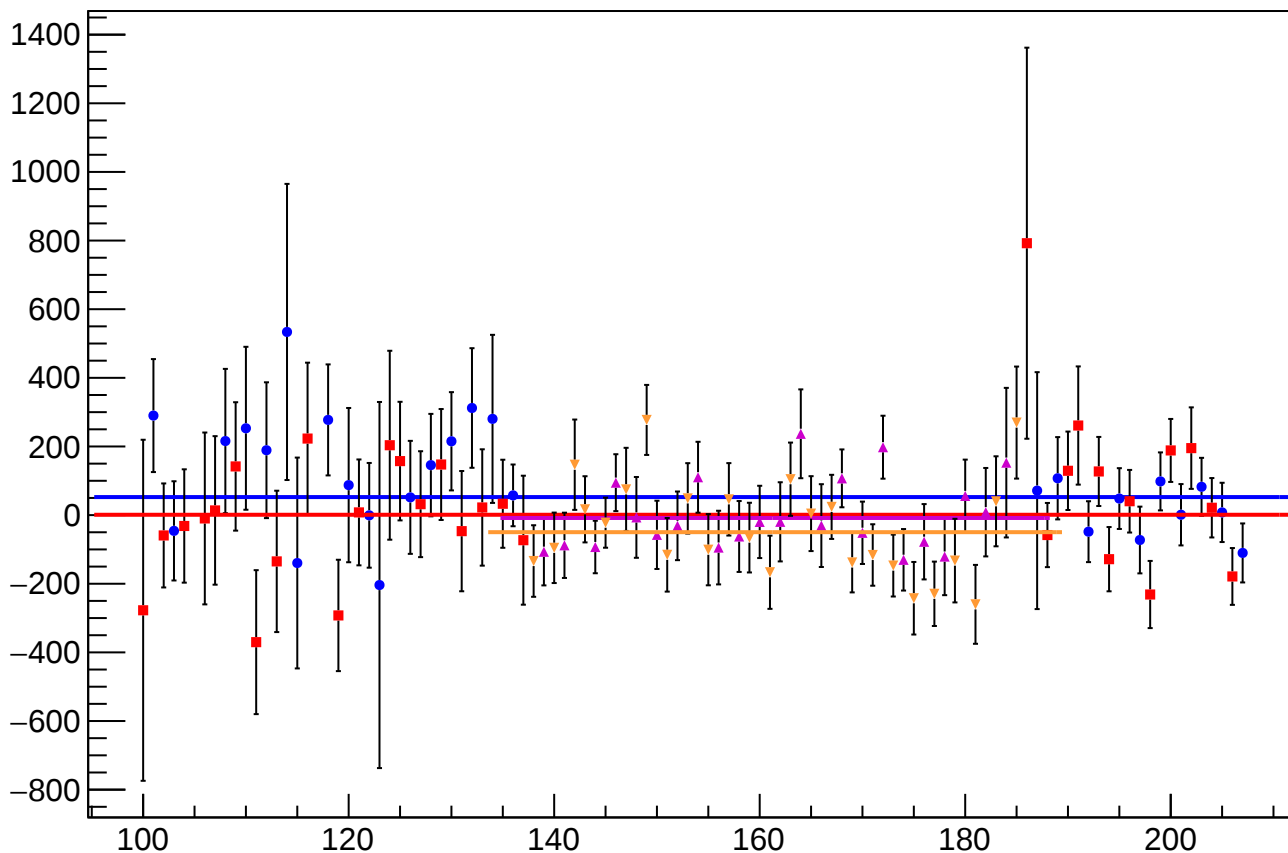
Left In: 873.675 $\pm$ 0.149 χ^2 /NDF: 573822.5/22

+ sign 997.822 $\pm$ 0.134 χ^2 /NDF: 8907416.2/51

All: 1008.397 $\pm$ 0.096 χ^2 /NDF: 19128449.6/1

- sign 1019.536 $\pm$ 0.138 χ^2 /NDF: 10208299.8/53

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 52.547 ± 24.337 χ^2/NDF : 20.8/26

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: 1.006 ± 24.151 χ^2/NDF : 38.2/30

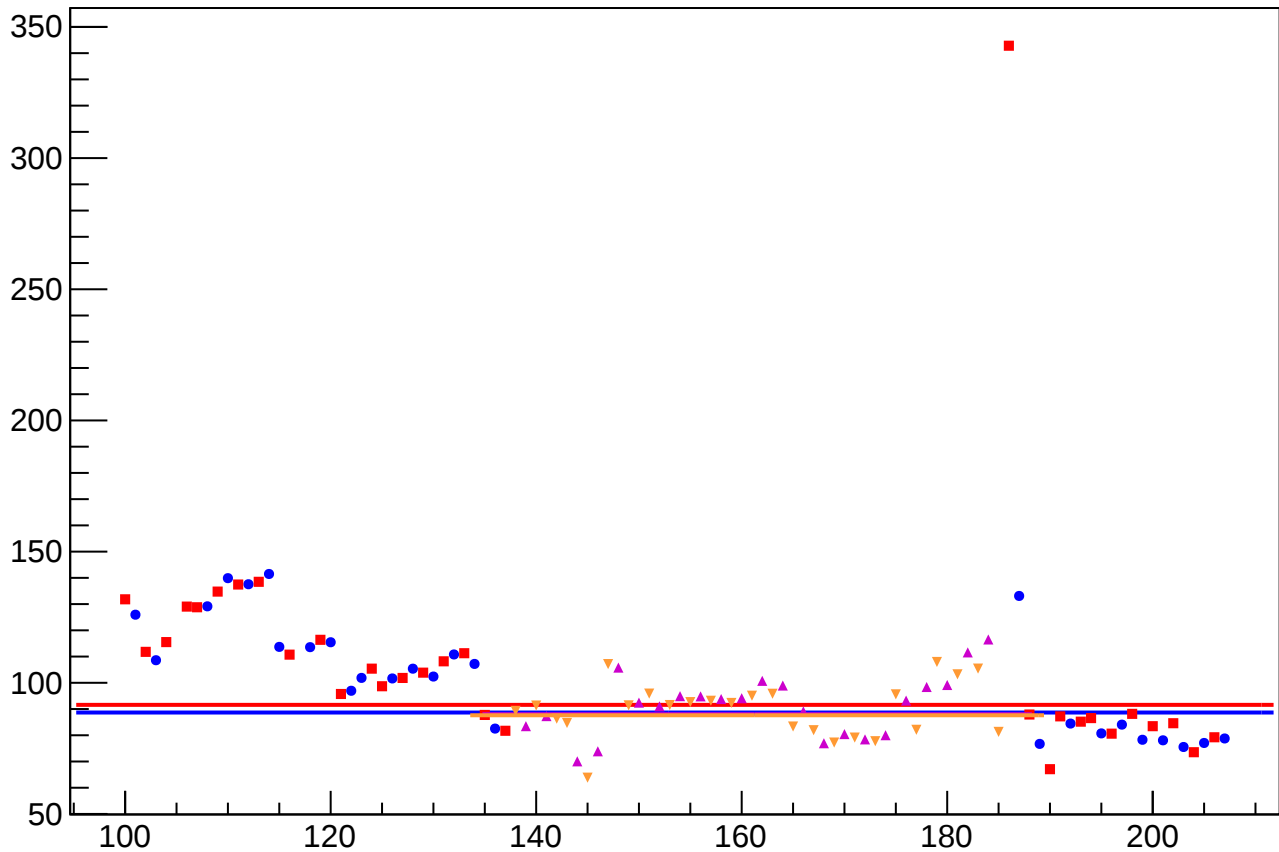
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign -7.079 ± 15.715 χ^2/NDF : 70.5/51

All: -5.691 ± 11.199 χ^2/NDF : 130.9/105

- sign -4.259 ± 15.962 χ^2/NDF : 60.3/53

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 88.671 $\pm$ 0.017 χ^2 /NDF: 912720.1/26

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 91.592 $\pm$ 0.017 χ^2 /NDF: 1329468.6/30

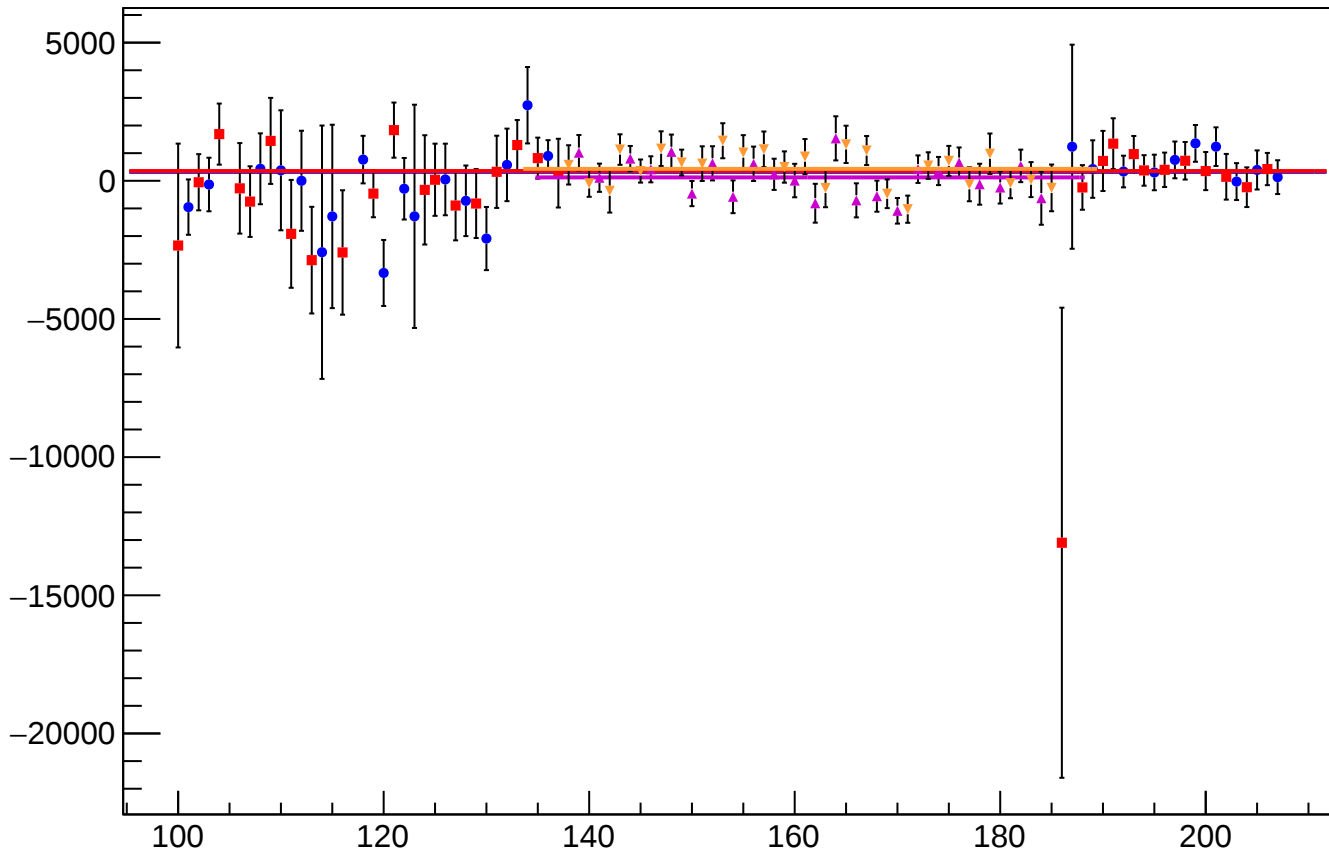
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 88.061 $\pm$ 0.011 χ^2 /NDF: 1469563.5/51

All: 88.812 $\pm$ 0.008 χ^2 /NDF: 3356485.8/105

- sign 89.587 $\pm$ 0.011 χ^2 /NDF: 1877644.1/53

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 324.669 ± 175.961 χ^2/NDF : 26.9/26

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 352.428 ± 168.801 χ^2/NDF : 22.3/30

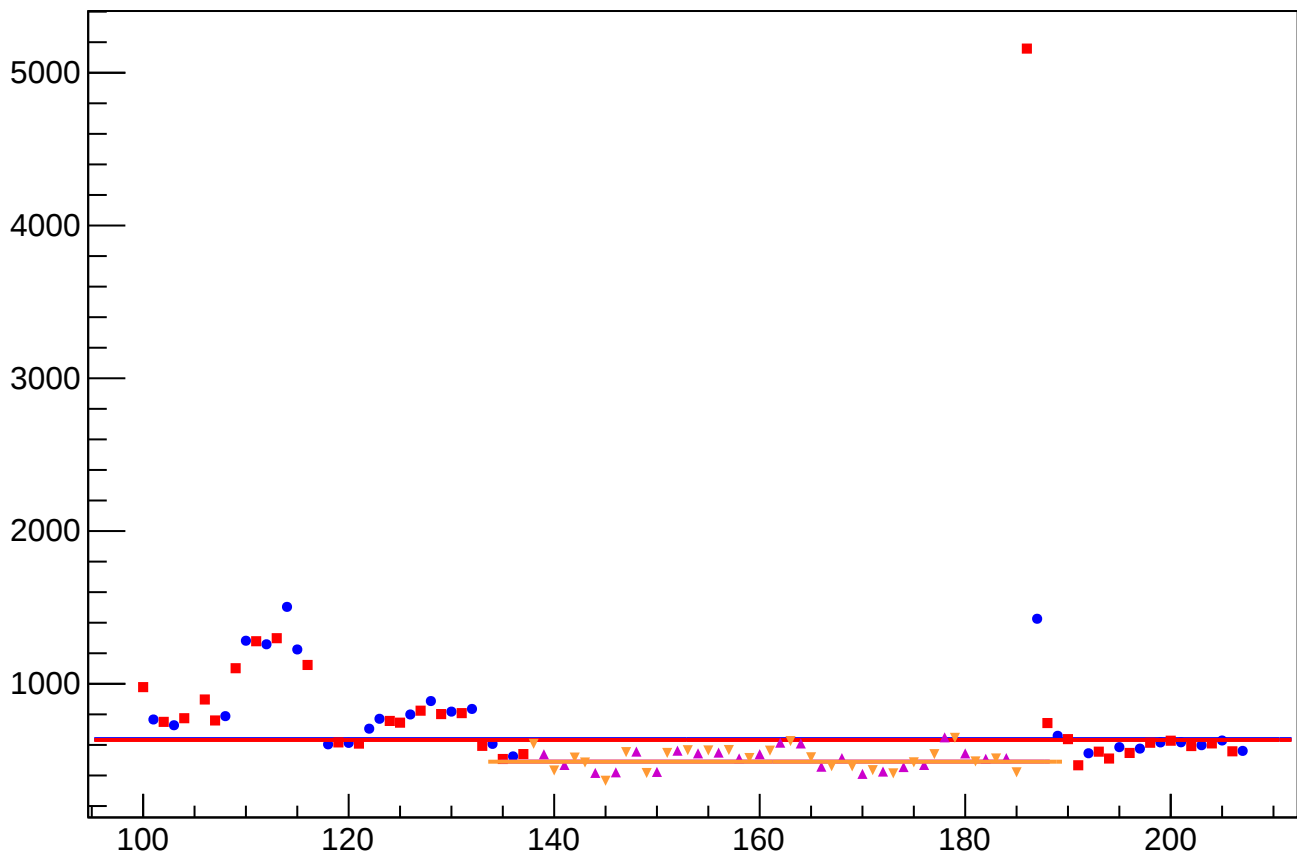
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 399.361 ± 96.677 χ^2/NDF : 57.6/51

All: 299.724 ± 68.538 χ^2/NDF : 112.5/105

- sign 199.050 ± 97.178 χ^2/NDF : 52.8/53

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 638.057 ± 0.124 $\chi^2/\text{NDF}: 1135345.3/26$

Left Out: 490.267 ± 0.082 $\chi^2/\text{NDF}: 750277.0/24$

Right Out: 632.479 ± 0.119 $\chi^2/\text{NDF}: 1970811.1/30$

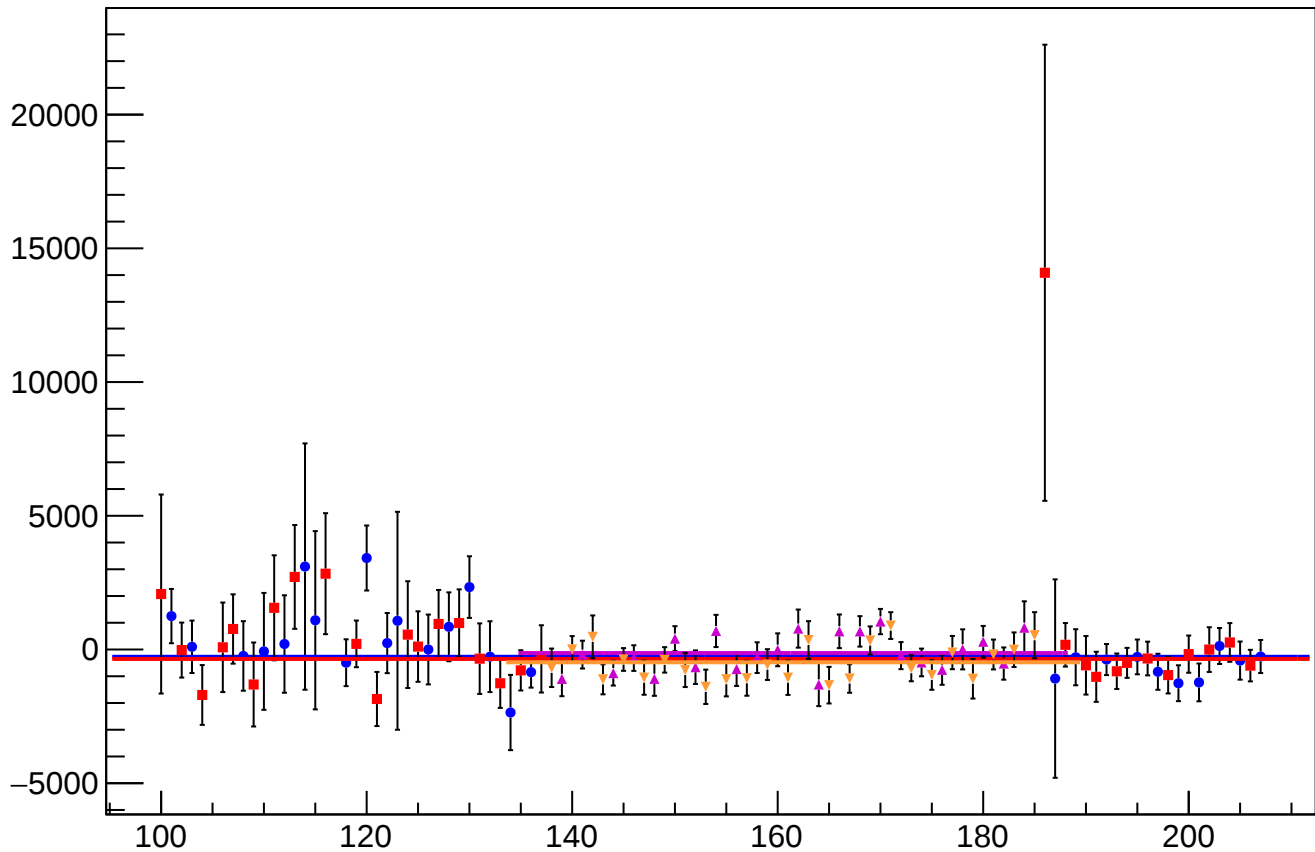
Left In: 490.910 ± 0.084 $\chi^2/\text{NDF}: 589235.5/22$

+ sign 534.880 ± 0.068 $\chi^2/\text{NDF}: 2870608.1/51$

All: 536.347 ± 0.048 $\chi^2/\text{NDF}: 6372099.5/105$

- sign 537.830 ± 0.069 $\chi^2/\text{NDF}: 3500565.2/53$

asym_sam_26_48_dd_mean vs Slug



Right In: -272.959 ± 177.839 χ^2/NDF : 27.1/26

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -352.700 ± 170.775 χ^2/NDF : 21.3/30

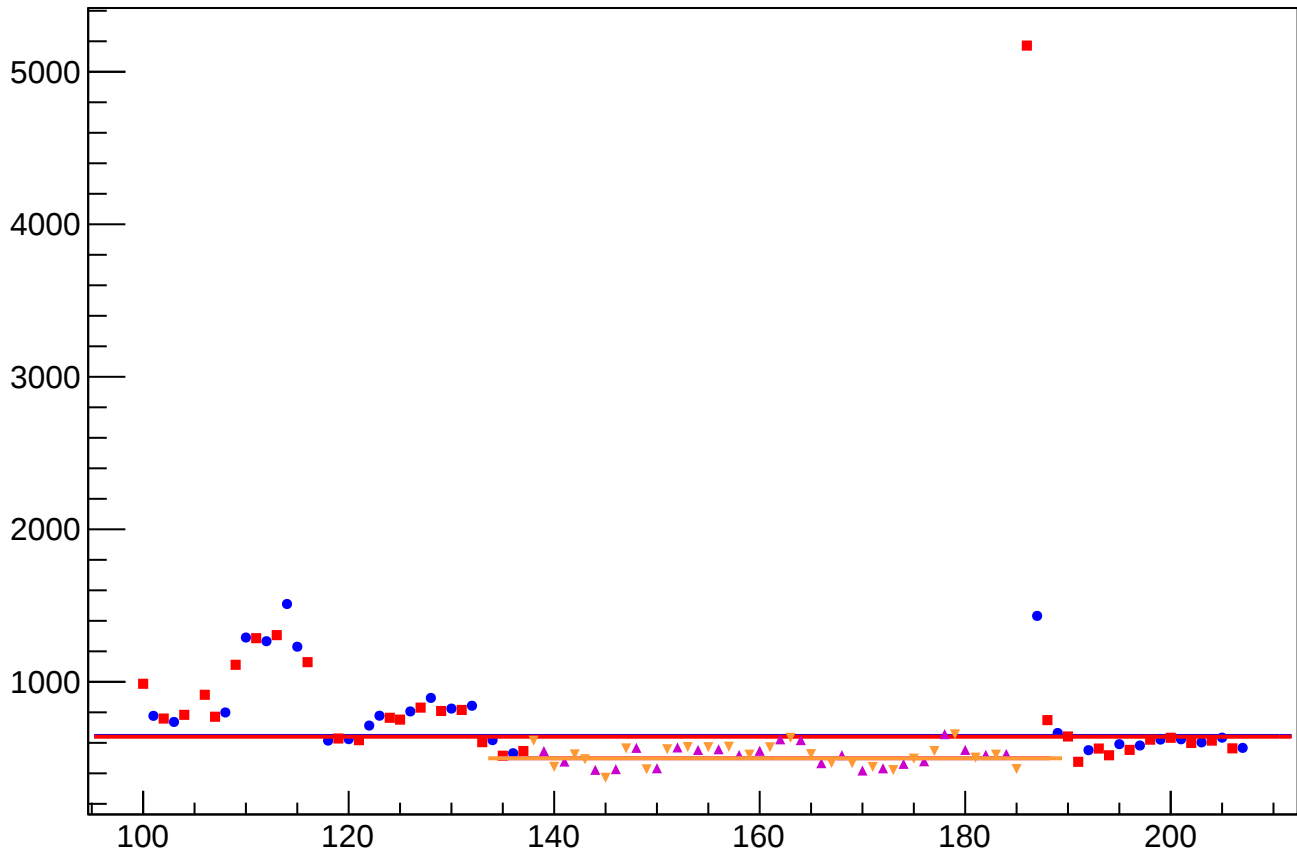
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -415.711 ± 98.127 χ^2/NDF : 55.8/51

All: -311.429 ± 69.573 χ^2/NDF : 110.1/105

- sign -206.018 ± 98.657 χ^2/NDF : 52.0/53

asym_sam_26_48_dd_rms vs Slug



Right In: 645.049 $\pm$ 0.126 χ^2 /NDF: 1124642.1/26

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 640.141 $\pm$ 0.121 χ^2 /NDF: 1950577.3/30

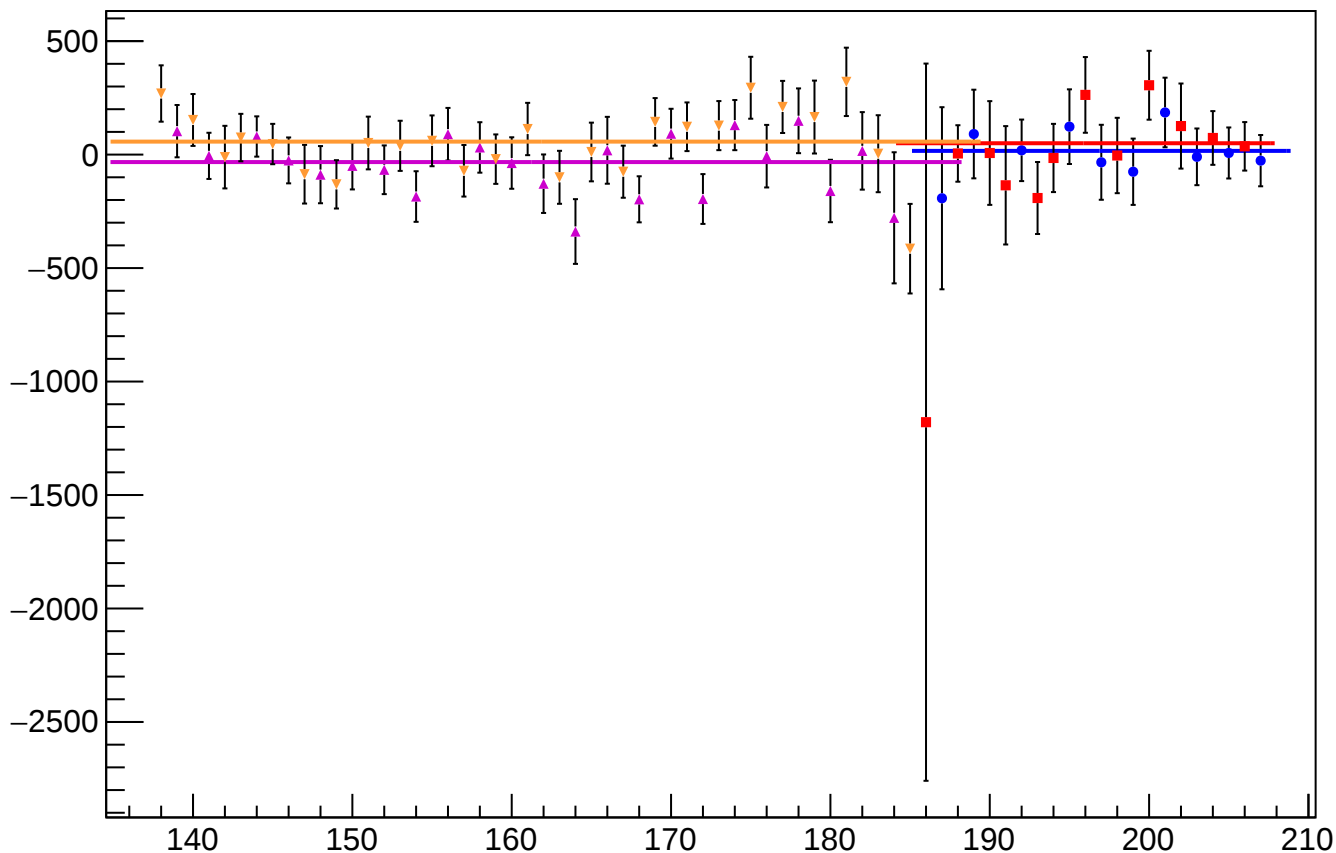
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 543.294 $\pm$ 0.069 χ^2 /NDF: 2800312.9/51

All: 544.822 $\pm$ 0.049 χ^2 /NDF: 6233535.2/105

- sign 546.366 $\pm$ 0.070 χ^2 /NDF: 3432247.9/53

reg_asym_sam_1548_avg_mean vs Slug



Right In: 16.350 $\pm$ 46.056 χ^2 /NDF: 2.7/9

Left Out: 57.211 $\pm$ 23.714 χ^2 /NDF: 29.2/24

Right Out: 50.025 $\pm$ 45.366 χ^2 /NDF: 8.6/11

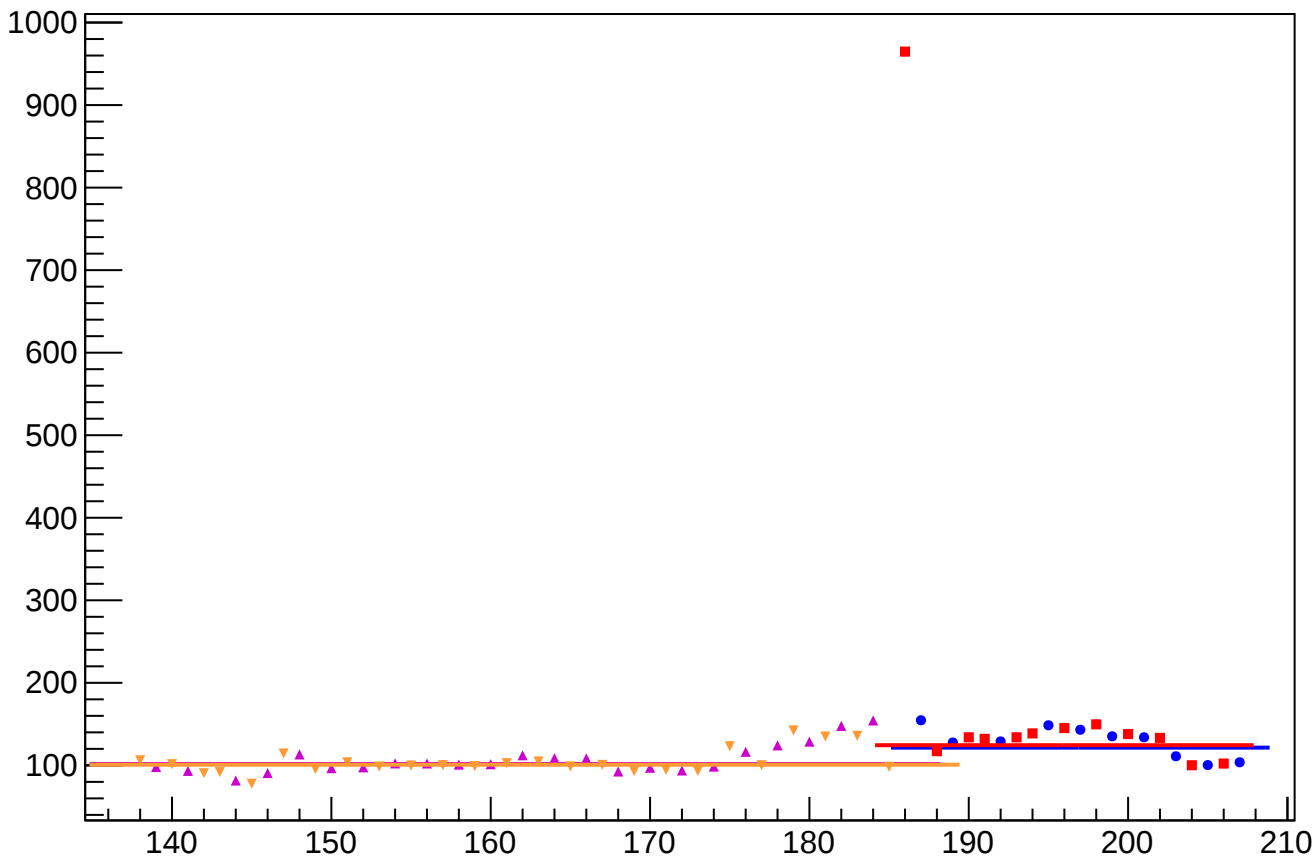
Left In: -32.948 $\pm$ 24.587 χ^2 /NDF: 23.6/22

+ sign 48.648 $\pm$ 21.083 χ^2 /NDF: 32.5/34

All: 18.053 $\pm$ 15.093 χ^2 /NDF: 71.6/69

- sign -14.110 $\pm$ 21.617 χ^2 /NDF: 34.8/34

reg_asym_sam_1548_avg_rms vs Slug



Right In: 121.509 $\pm$ 0.033 χ^2 /NDF: 275738.4/9

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 124.421 $\pm$ 0.032 χ^2 /NDF: 870975.6/11

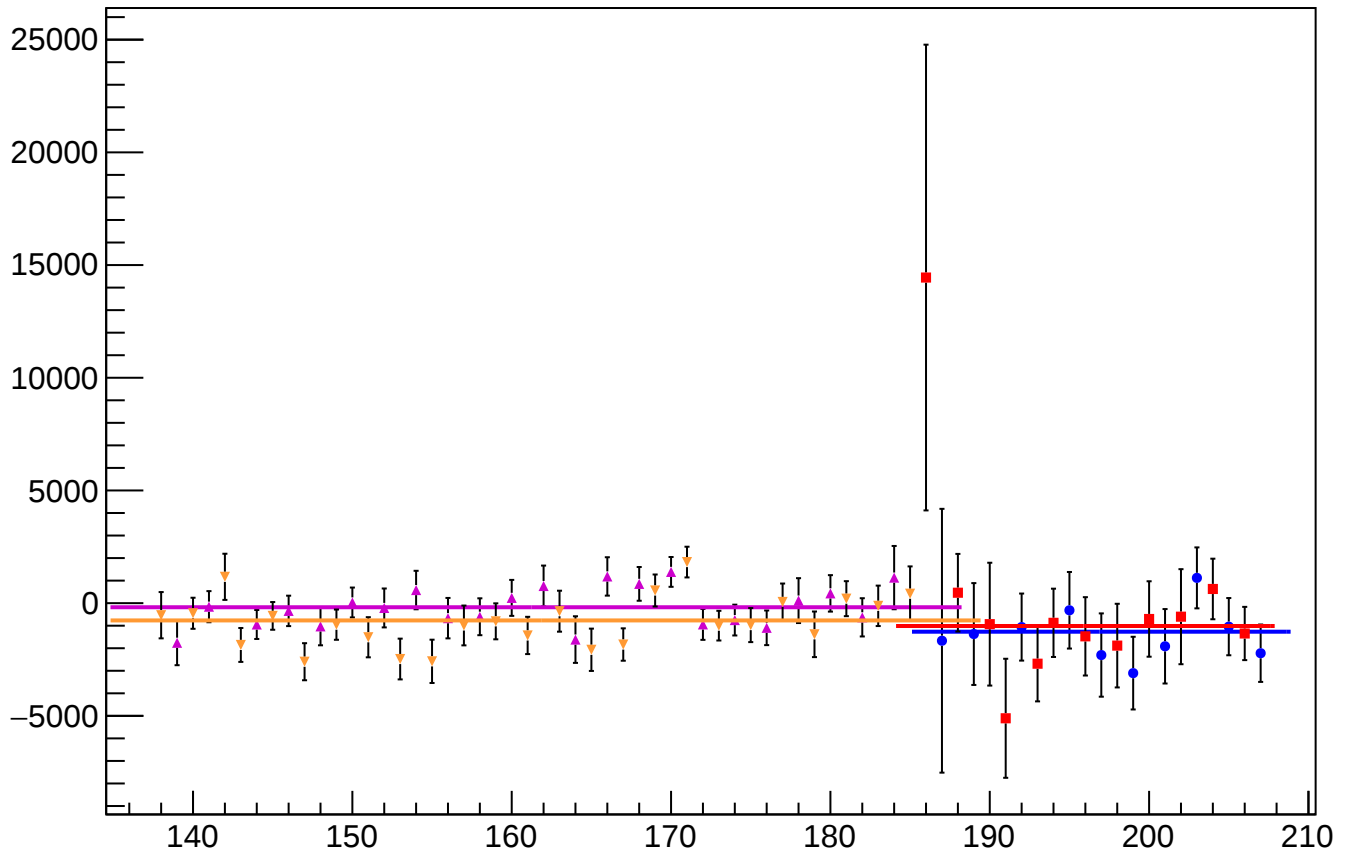
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 105.140 $\pm$ 0.015 χ^2 /NDF: 1195865.8/34

All: 105.949 $\pm$ 0.011 χ^2 /NDF: 3045666.3/69

- sign 106.798 $\pm$ 0.015 χ^2 /NDF: 1843769.6/34

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1266.639 ± 509.497 χ^2/NDF : 5.8/9

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1013.539 ± 506.901 χ^2/NDF : 8.3/11

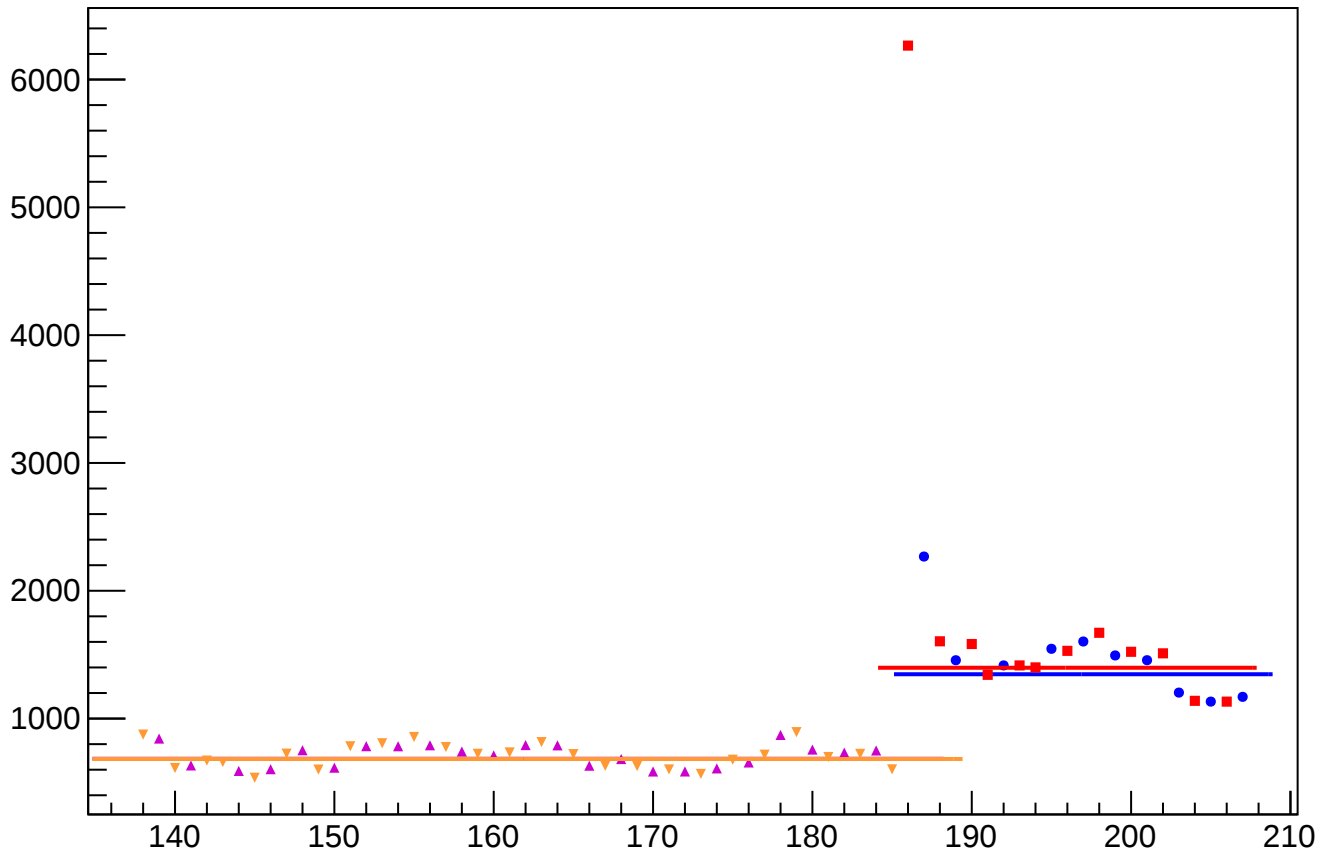
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -811.812 ± 153.575 χ^2/NDF : 53.2/34

All: -543.735 ± 109.946 χ^2/NDF : 95.2/69

- sign -261.875 ± 157.474 χ^2/NDF : 35.8/34

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1346.919 $\pm$ 0.360 χ^2 /NDF: 268001.4/9

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1397.721 $\pm$ 0.358 χ^2 /NDF: 730039.5/11

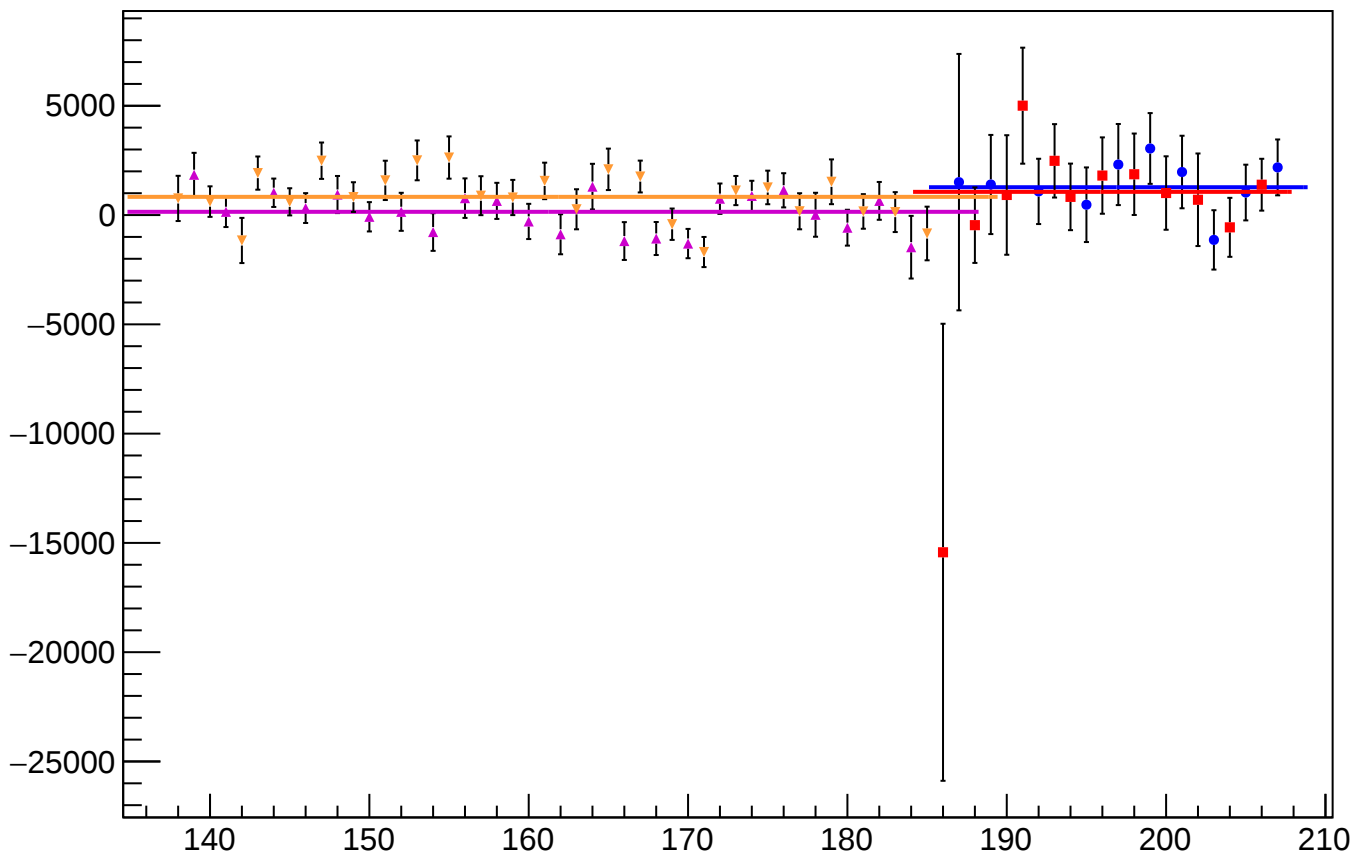
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 744.126 $\pm$ 0.109 χ^2 /NDF: 4014456.1/34

All: 749.095 $\pm$ 0.078 χ^2 /NDF: 8844493.4/69

- sign 754.320 $\pm$ 0.111 χ^2 /NDF: 4825741.7/34

asym_sam_1548_avg_mean vs Slug



Right In: 1273.829 $\pm$ 511.669 χ^2 /NDF: 5.6/9

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF: 43.2/24

Right Out: 1062.016 $\pm$ 509.084 χ^2 /NDF: 8.1/11

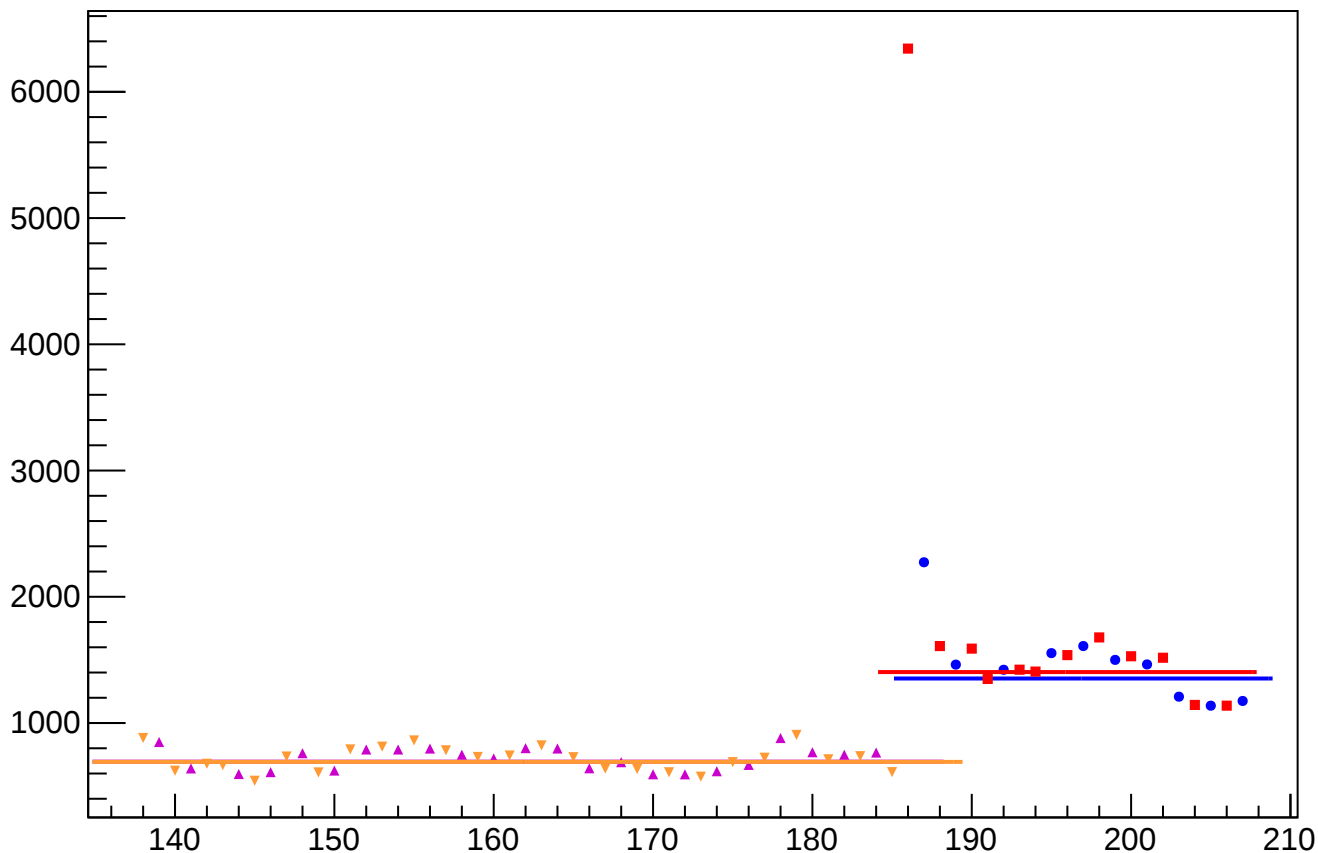
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF: 26.0/22

+ sign 873.958 $\pm$ 155.279 χ^2 /NDF: 49.5/34

All: 564.047 $\pm$ 111.170 χ^2 /NDF: 94.7/69

- sign 238.155 $\pm$ 159.233 χ^2 /NDF: 37.1/34

asym_sam_1548_avg_rms vs Slug



Right In: 1352.664+/-0.362 χ^2/NDF : 268349.7/9

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1403.687+/-0.360 χ^2/NDF : 732269.6/11

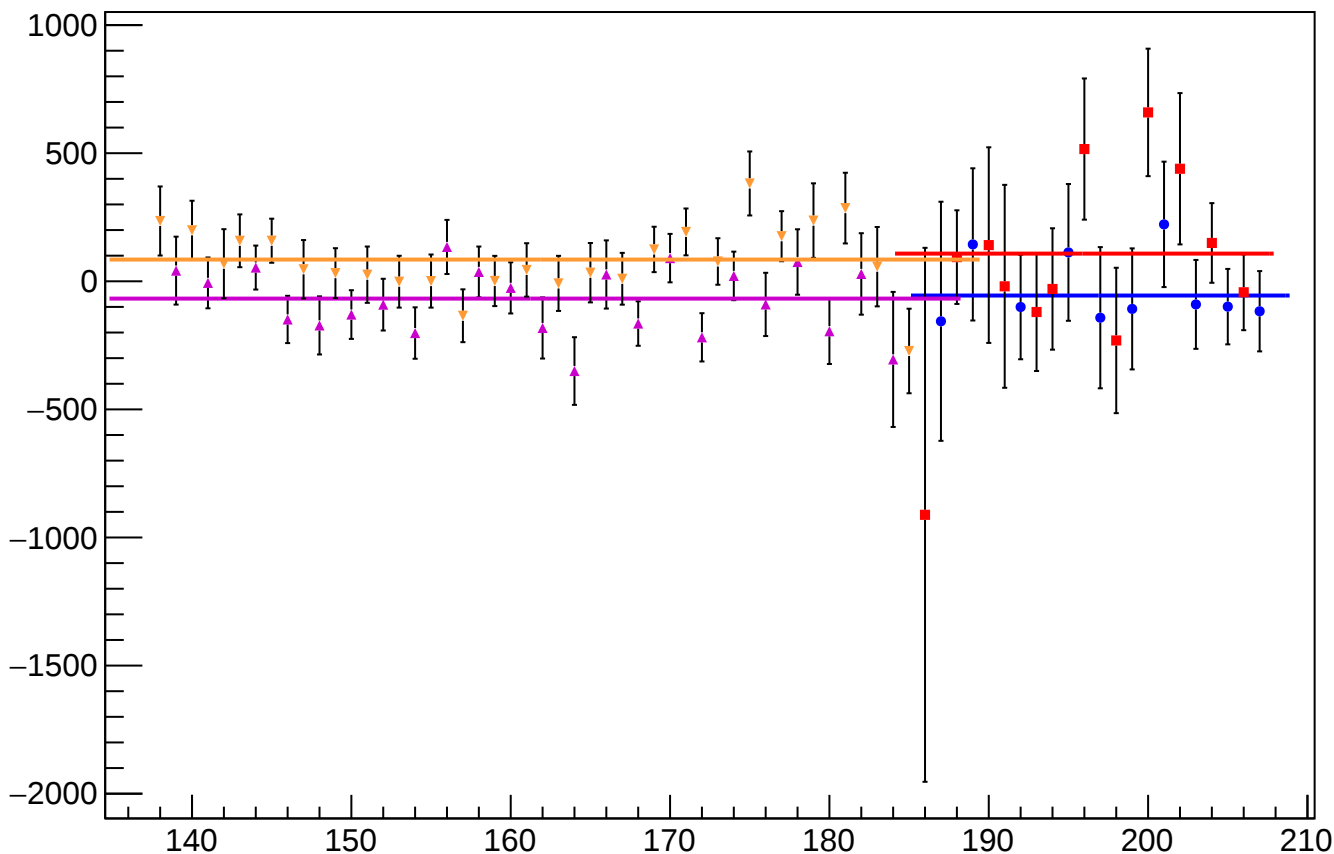
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 752.934+/-0.110 χ^2/NDF : 3952000.7/34

All: 757.992+/-0.079 χ^2/NDF : 8718482.8/69

- sign 763.311+/-0.113 χ^2/NDF : 4762128.2/34

reg_asym_sam_3748_avg_mean vs Slug



Right In: -55.565 ± 67.139 $\chi^2/\text{NDF}: 2.7/9$

Left Out: 84.860 ± 21.643 $\chi^2/\text{NDF}: 28.5/24$

Right Out: 108.080 ± 67.266 $\chi^2/\text{NDF}: 13.3/11$

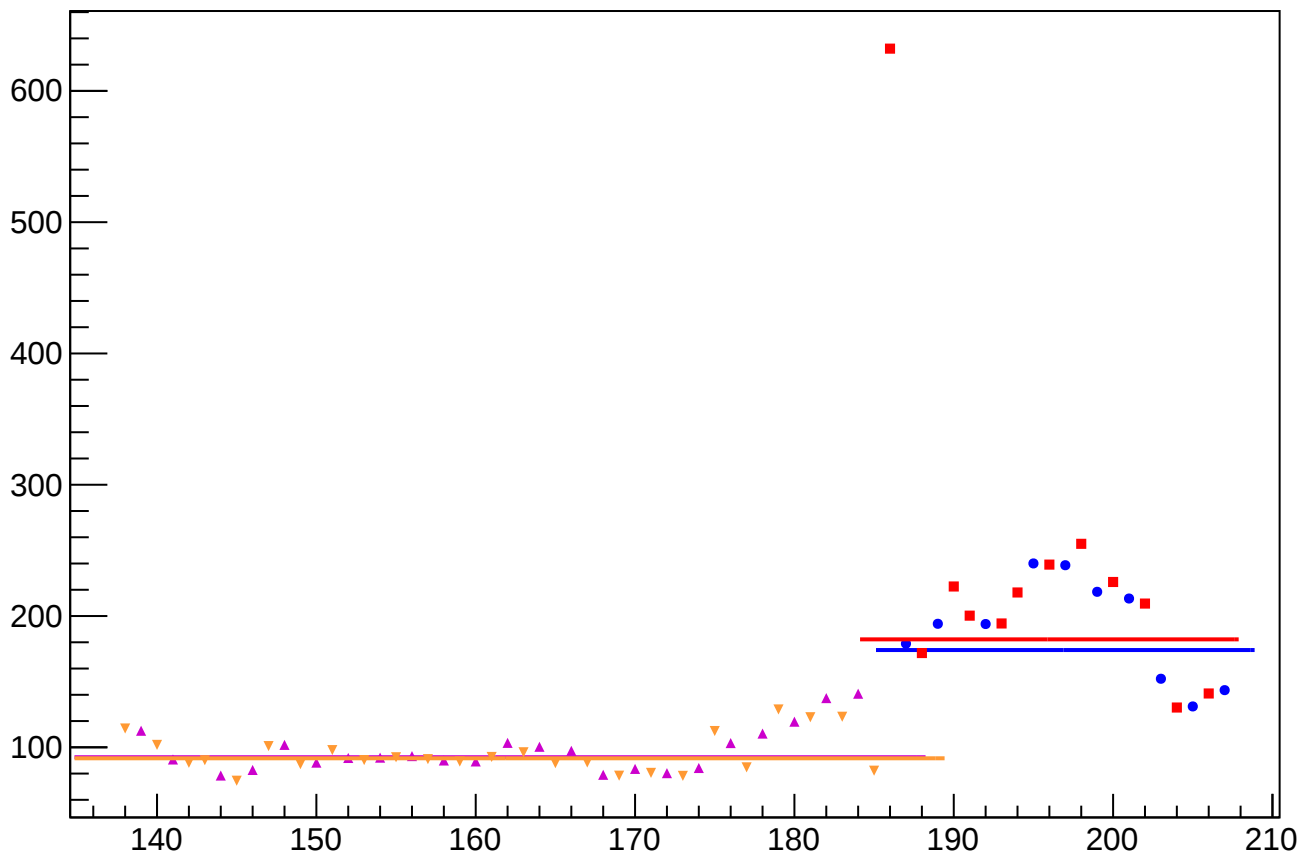
Left In: -67.552 ± 22.449 $\chi^2/\text{NDF}: 28.9/22$

+ sign 71.641 ± 20.599 $\chi^2/\text{NDF}: 35.1/34$

All: 12.864 ± 14.806 $\chi^2/\text{NDF}: 100.2/69$

- sign -49.950 ± 21.295 $\chi^2/\text{NDF}: 48.3/34$

reg_asym_sam_3748_avg_rms vs Slug



Right In: 174.094 $\pm$ 0.047 χ^2/NDF : 660224.5/9

Left Out: 91.633 $\pm$ 0.015 χ^2/NDF : 693122.0/24

Right Out: 182.229 $\pm$ 0.048 χ^2/NDF : 1130803.9/11

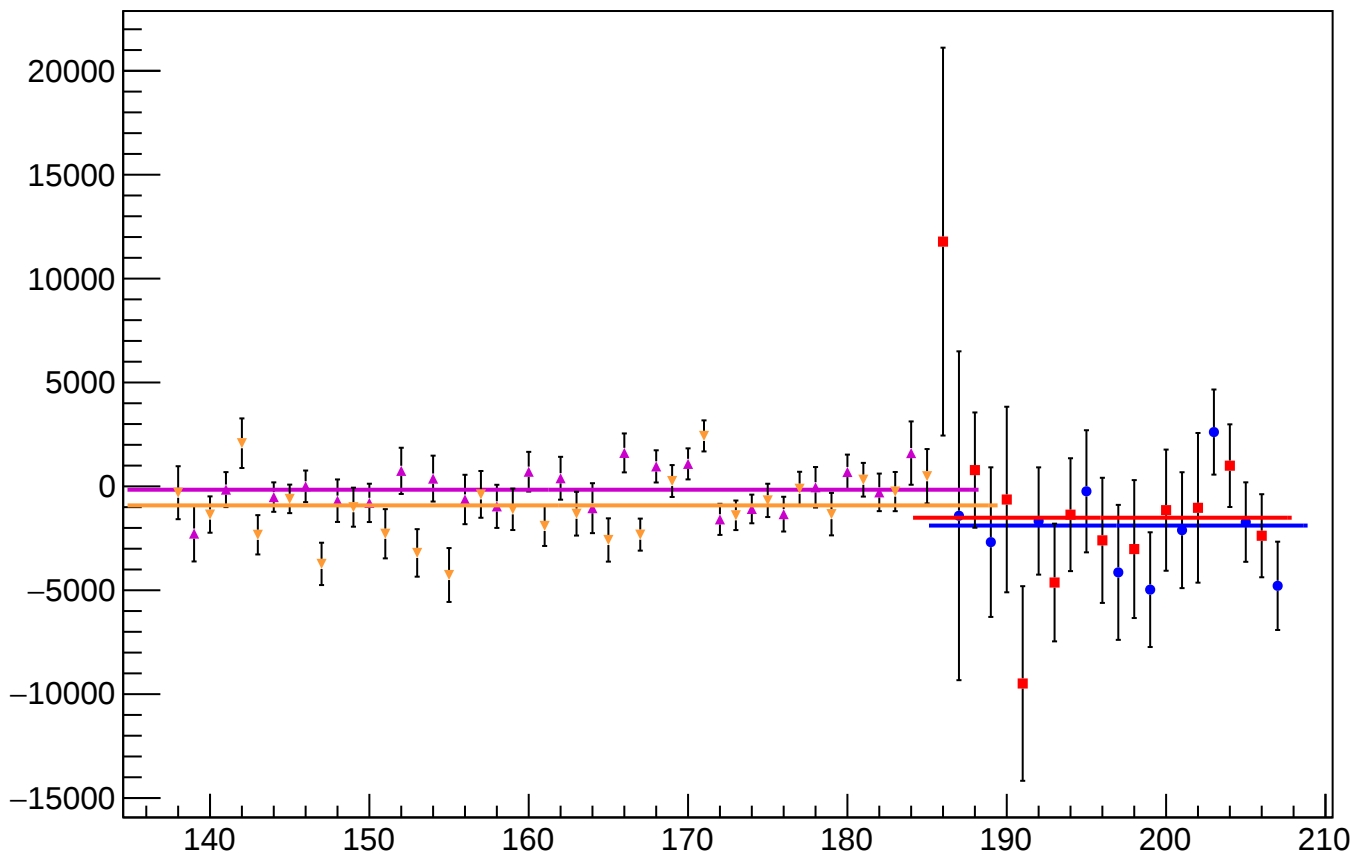
Left In: 92.466 $\pm$ 0.016 χ^2/NDF : 655700.4/22

+ sign 99.395 $\pm$ 0.015 χ^2/NDF : 4086407.4/34

All: 100.394 $\pm$ 0.010 χ^2/NDF : 9087208.9/69

- sign 101.462 $\pm$ 0.015 χ^2/NDF : 4991069.6/34

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1886.267 $\pm$ 831.415 χ^2 /NDF: 8.8/9

Left Out: -914.719 $\pm$ 185.341 χ^2 /NDF: 64.2/24

Right Out: -1508.618 $\pm$ 846.333 χ^2 /NDF: 9.0/11

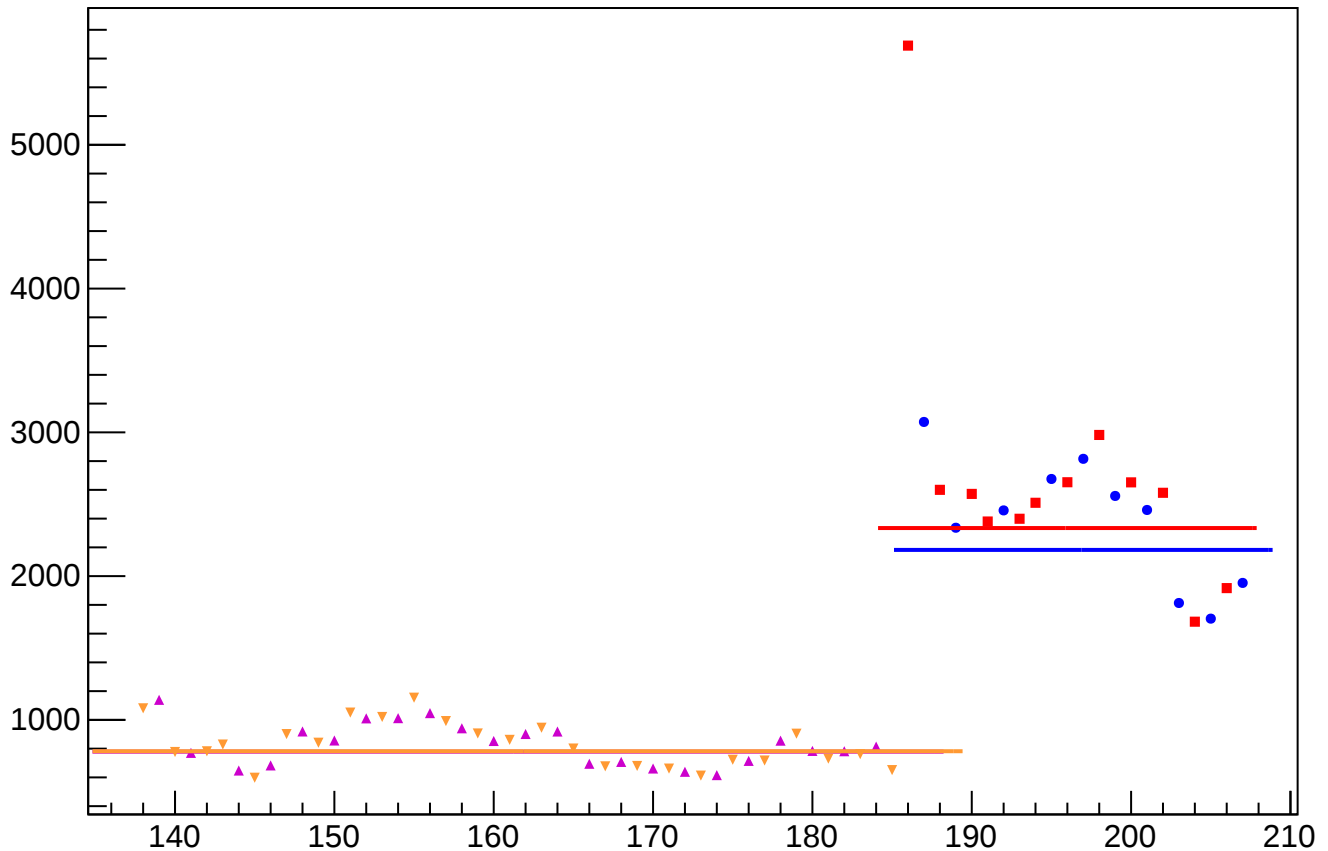
Left In: -161.076 $\pm$ 189.491 χ^2 /NDF: 25.1/22

+ sign -960.714 $\pm$ 180.900 χ^2 /NDF: 74.3/34

All: -601.122 $\pm$ 129.311 χ^2 /NDF: 118.9/69

- sign -225.403 $\pm$ 184.913 χ^2 /NDF: 36.5/34

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2182.333 $\pm$ 0.588 χ^2 /NDF: 454222.7/9

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2334.389 $\pm$ 0.598 χ^2 /NDF: 725414.9/11

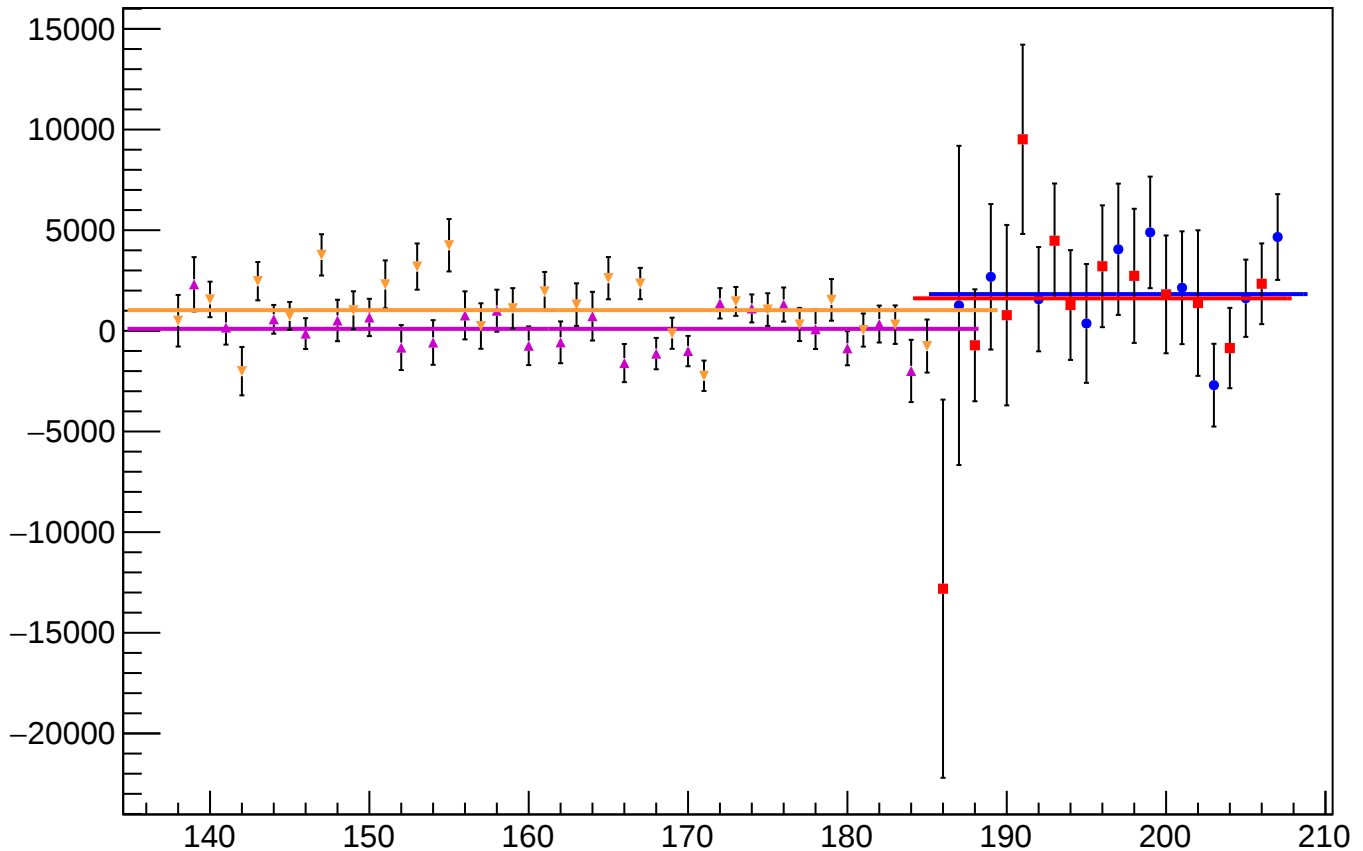
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 848.334 $\pm$ 0.128 χ^2 /NDF: 6989868.6/34

All: 850.735 $\pm$ 0.091 χ^2 /NDF: 15128837.4/69

- sign 853.244 $\pm$ 0.131 χ^2 /NDF: 8138248.4/34

asym_sam_3748_avg_mean vs Slug



Right In: 1824.881+/-834.346 χ^2/NDF : 8.6/9

Left Out: 1028.864+/-186.810 χ^2/NDF : 60.2/24

Right Out: 1615.058+/-849.285 χ^2/NDF : 9.0/11

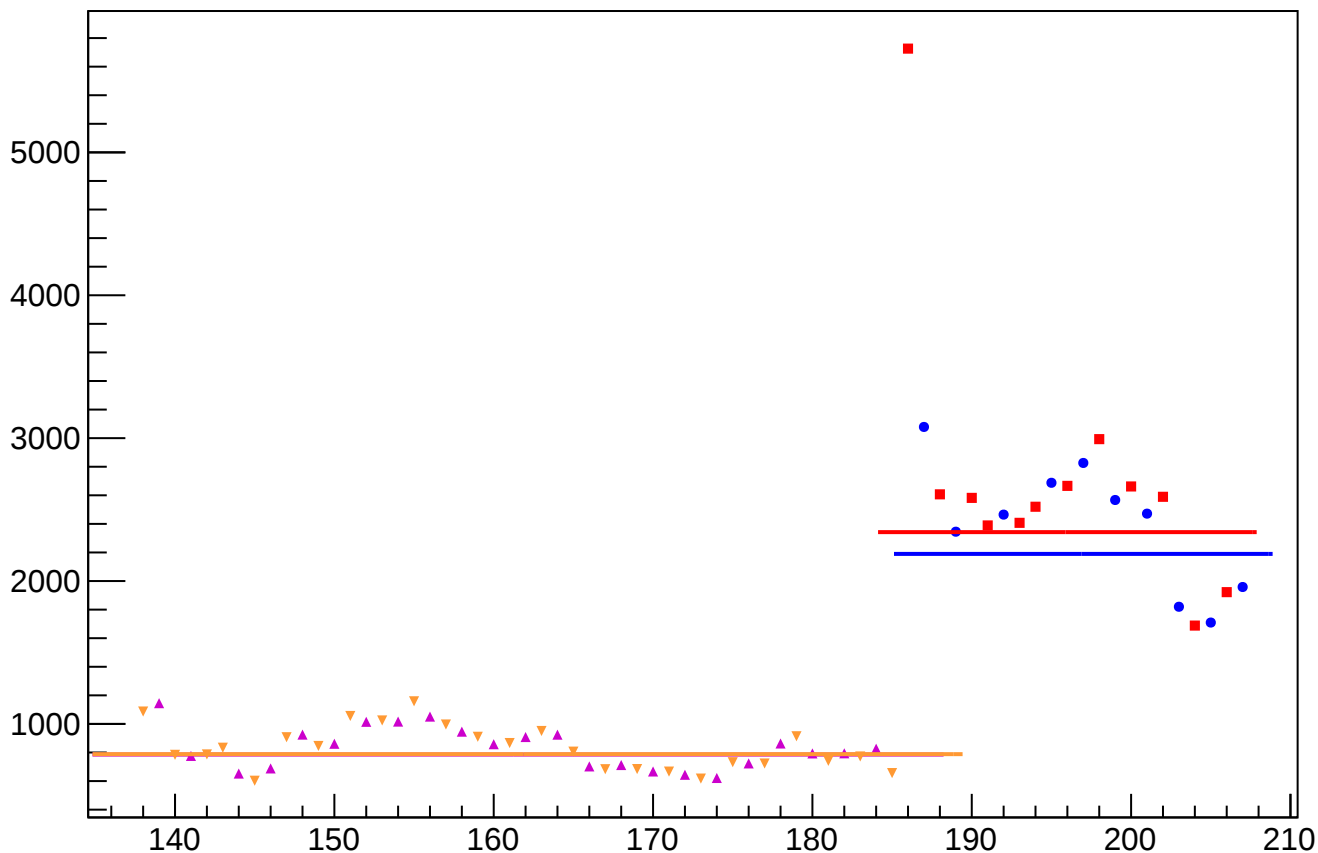
Left In: 98.691+/-191.027 χ^2/NDF : 25.4/22

+ sign 1066.864+/-182.297 χ^2/NDF : 69.7/34

All: 629.179+/-130.320 χ^2/NDF : 118.9/69

- sign 171.713+/-186.371 χ^2/NDF : 37.4/34

asym_sam_3748_avg_rms vs Slug



Right In: 2189.928+/-0.590 χ^2/NDF : 455571.2/9

Left Out: 788.442+/-0.132 χ^2/NDF :1113741.6/24

Right Out: 2342.342+/-0.601 χ^2/NDF : 728107.4/11

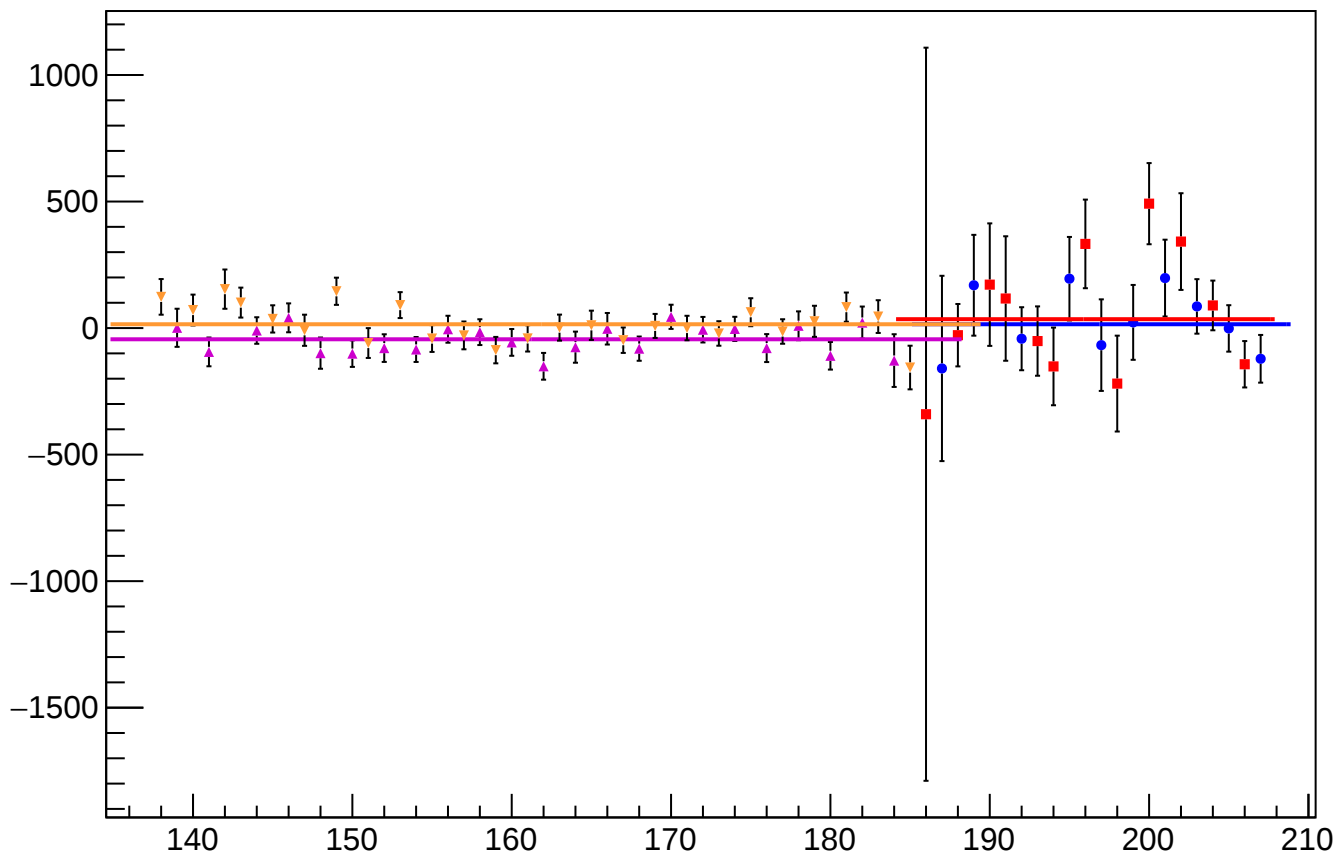
Left In: 785.490+/-0.135 χ^2/NDF :965338.9/22

+ sign 855.346+/-0.129 χ^2/NDF : 6942995.8/34

All: 857.847+/-0.092 χ^2/NDF : 15034312.7/69

- sign 860.462+/-0.132 χ^2/NDF : 8090546.9/34

reg_asym_sam_1526_avg_mean vs Slug



Right In: 15.125 $\pm$ 41.842 χ^2 /NDF: 6.4/9

Left Out: 15.099 $\pm$ 11.154 χ^2 /NDF:34.2/24

Right Out: 35.126 $\pm$ 42.828 χ^2 /NDF: 22.1/11

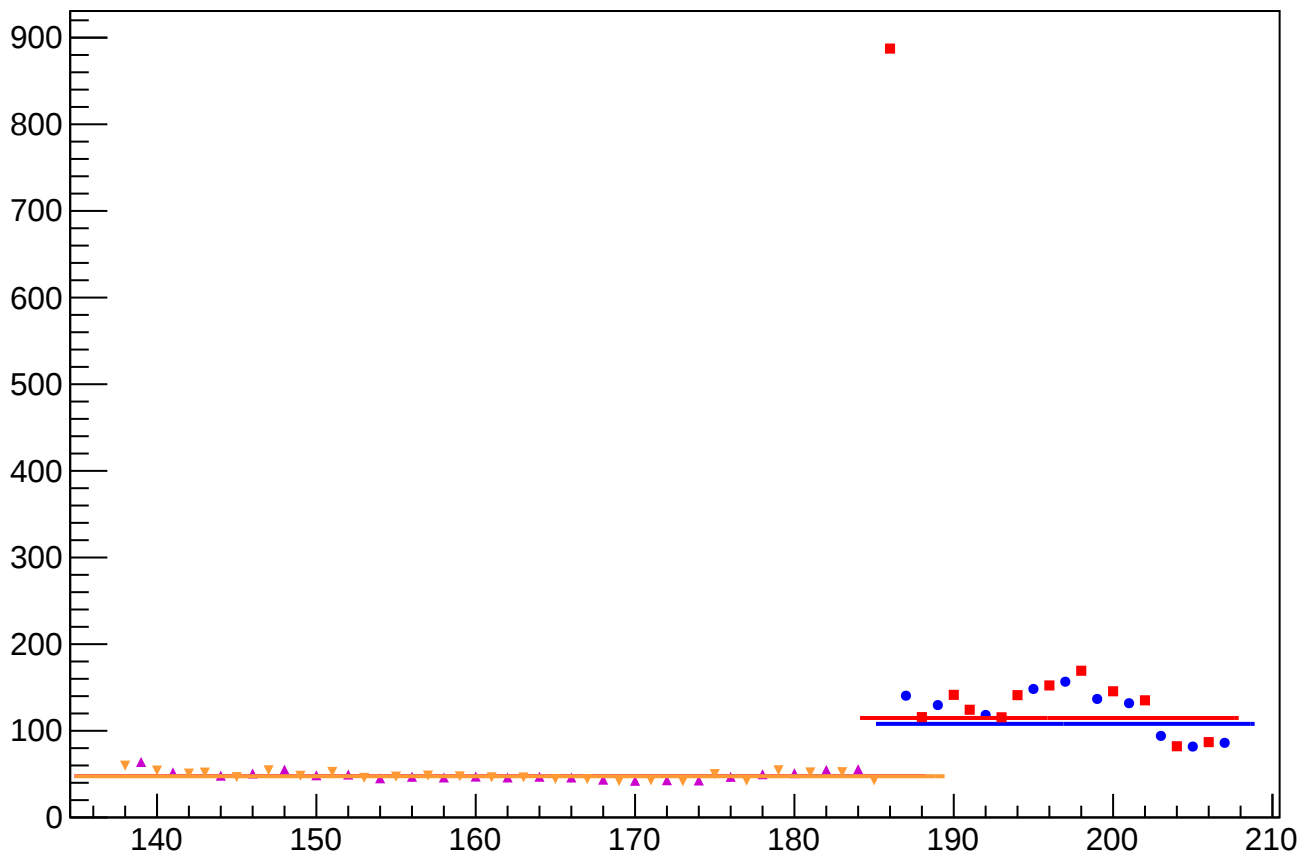
Left In: -44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

+ sign 15.101 $\pm$ 10.778 χ^2 /NDF: 40.6/34

All: -11.038 $\pm$ 7.744 χ^2 /NDF: 100.4/69

- sign -38.930 $\pm$ 11.133 χ^2 /NDF: 47.6/34

reg_asym_sam_1526_avg_rms vs Slug



Right In: 108.016 $\pm$ 0.030 χ^2 /NDF: 746218.2/9

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF:312874.8/24

Right Out: 114.815 $\pm$ 0.030 χ^2 /NDF: 1415580.7/11

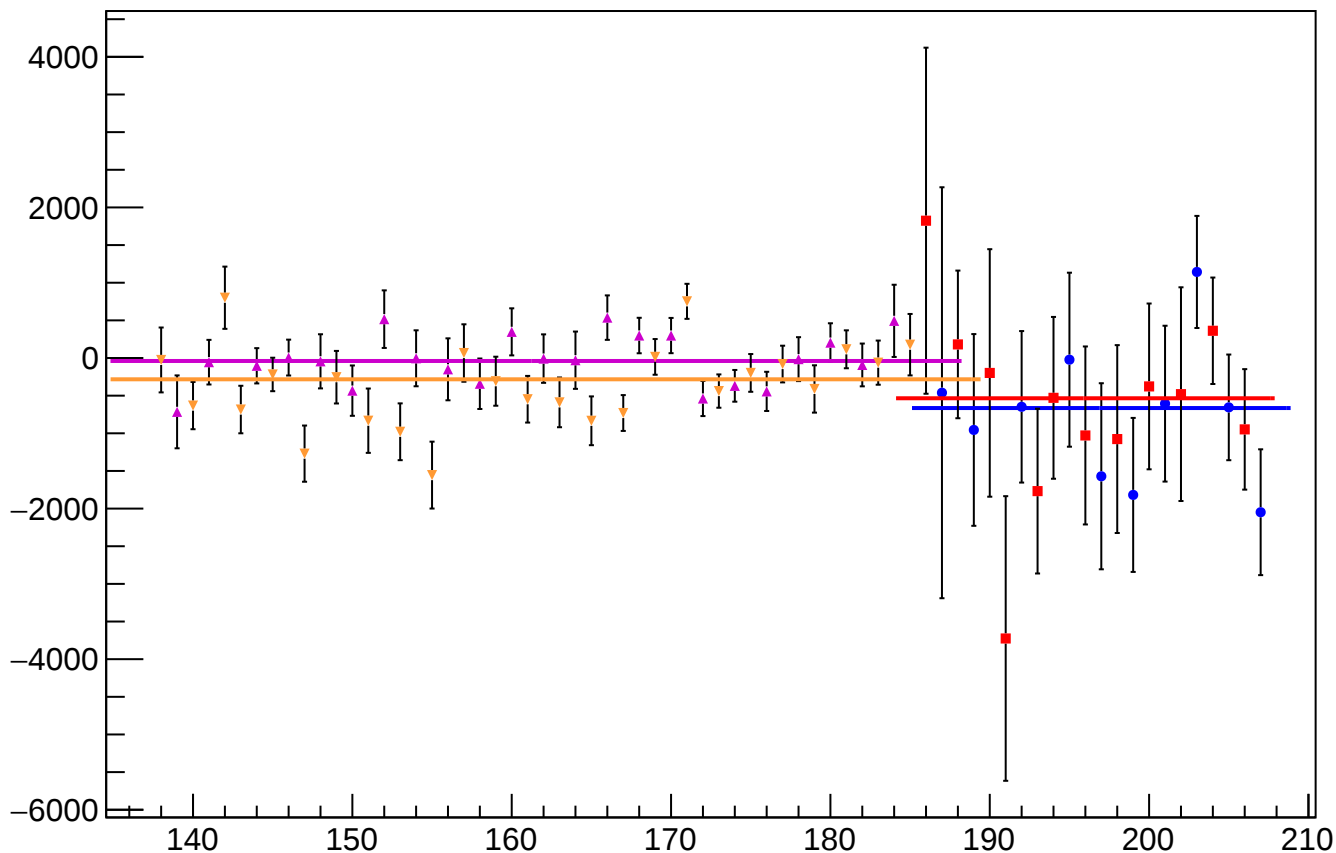
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF:281790.1/22

+ sign 51.596 $\pm$ 0.008 χ^2 /NDF: 4953982.0/34

All: 51.971 $\pm$ 0.005 χ^2 /NDF: 11216110.9/69

- sign 52.372 $\pm$ 0.008 χ^2 /NDF: 6257115.6/34

asym_sam_1526_avg_correction_mean vs Slug



Right In: -664.547 ± 311.594 χ^2/NDF : 10.8/9

Left Out: -282.798 ± 59.690 χ^2/NDF : 66.5/24

Right Out: -534.663 ± 319.073 χ^2/NDF : 8.0/11

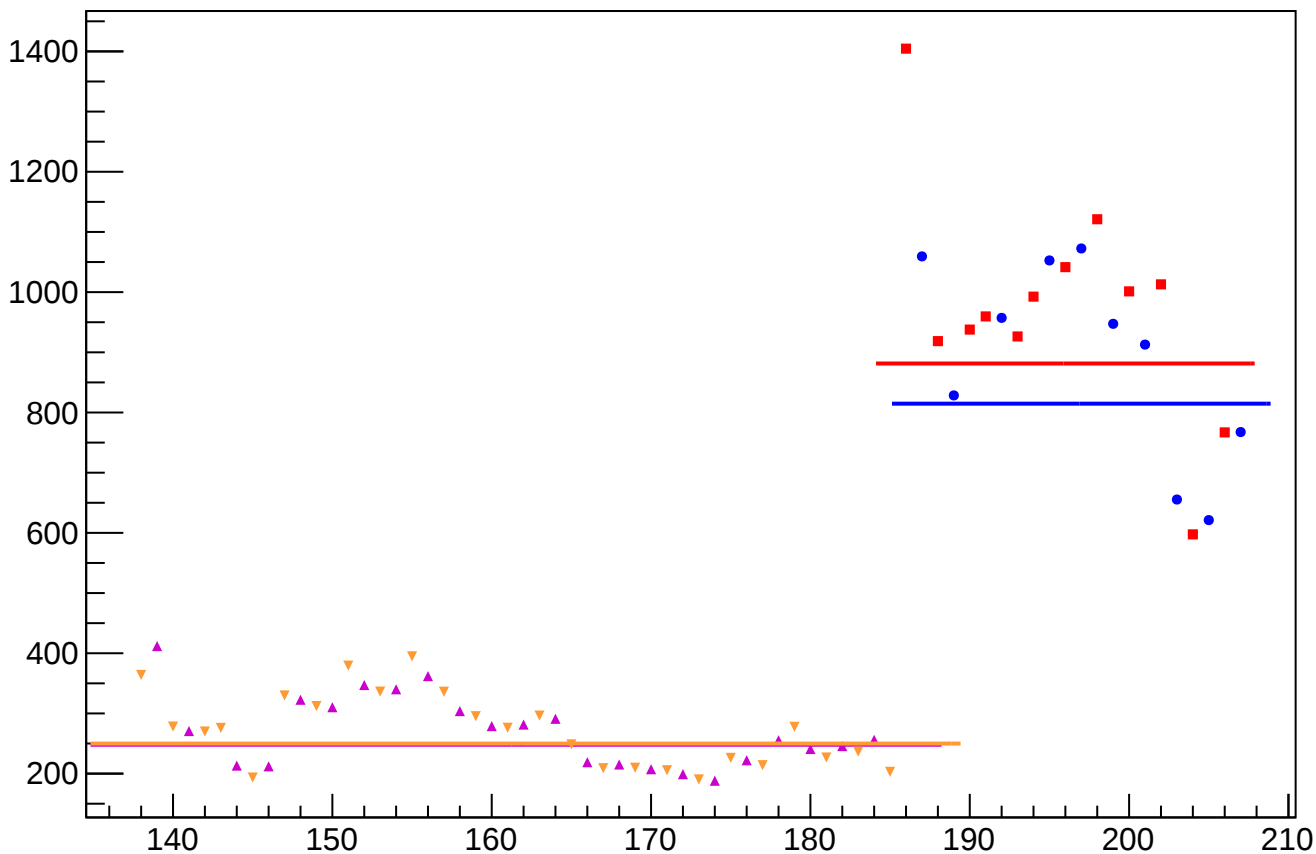
Left In: -39.432 ± 60.759 χ^2/NDF : 27.5/22

+ sign -296.311 ± 58.624 χ^2/NDF : 78.8/34

All: -178.687 ± 41.824 χ^2/NDF : 124.9/69

- sign -56.761 ± 59.686 χ^2/NDF : 37.9/34

asym_sam_1526_avg_correction_rms vs Slug



Right In: 814.677 $\pm$ 0.220 χ^2 /NDF: 529930.2/9

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF: 1614205.9/24

Right Out: 881.435 $\pm$ 0.226 χ^2 /NDF: 651840.5/11

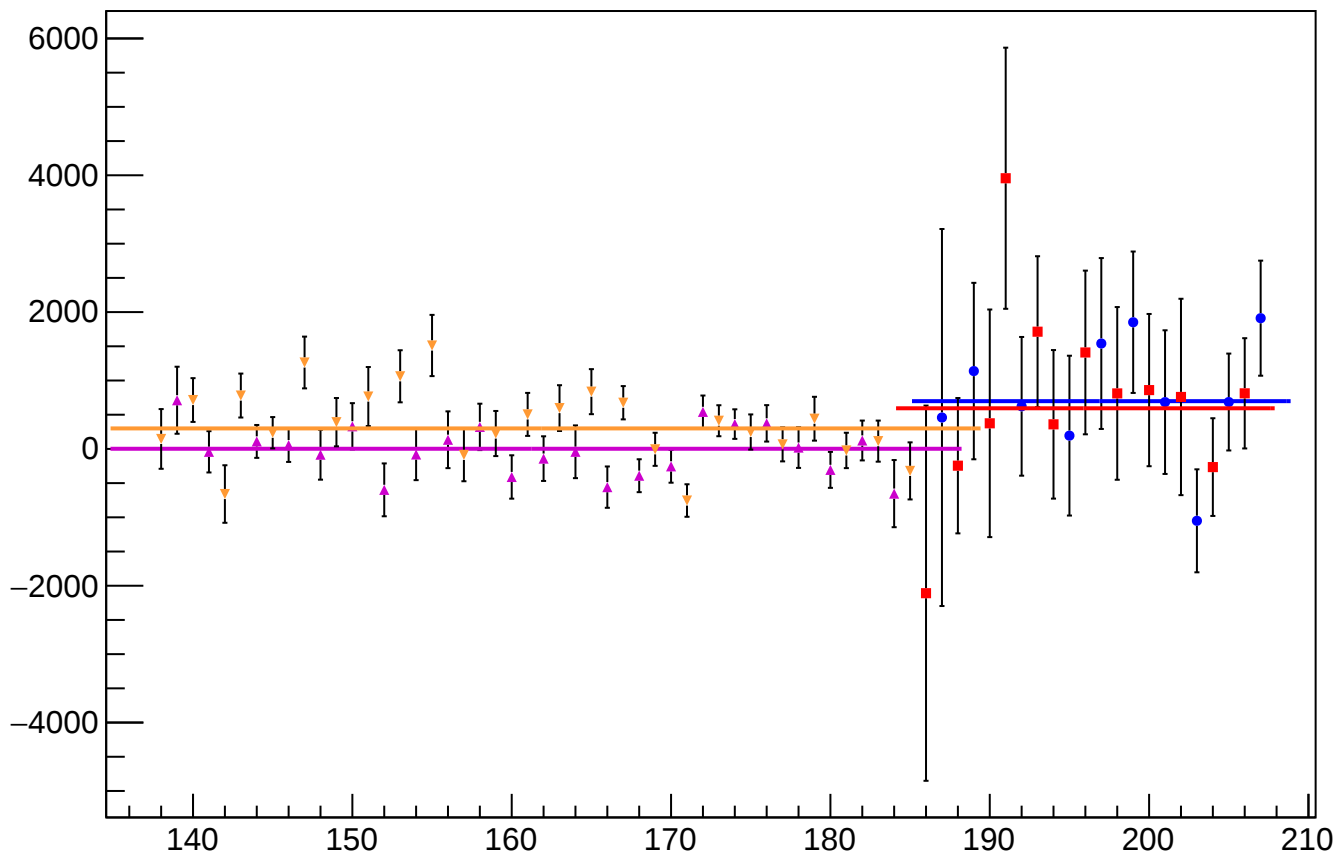
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF: 1410847.5/22

+ sign 269.946 $\pm$ 0.041 χ^2 /NDF: 8480900.8/34

All: 270.014 $\pm$ 0.030 χ^2 /NDF: 18152106.2/69

- sign 270.085 $\pm$ 0.042 χ^2 /NDF: 9671199.9/34

asym_sam_1526_avg_mean vs Slug



Right In: 698.101 ± 314.727 χ^2/NDF : 9.5/9

Left Out: 299.562 ± 60.860 χ^2/NDF : 62.5/24

Right Out: 593.974 ± 323.073 χ^2/NDF : 8.0/11

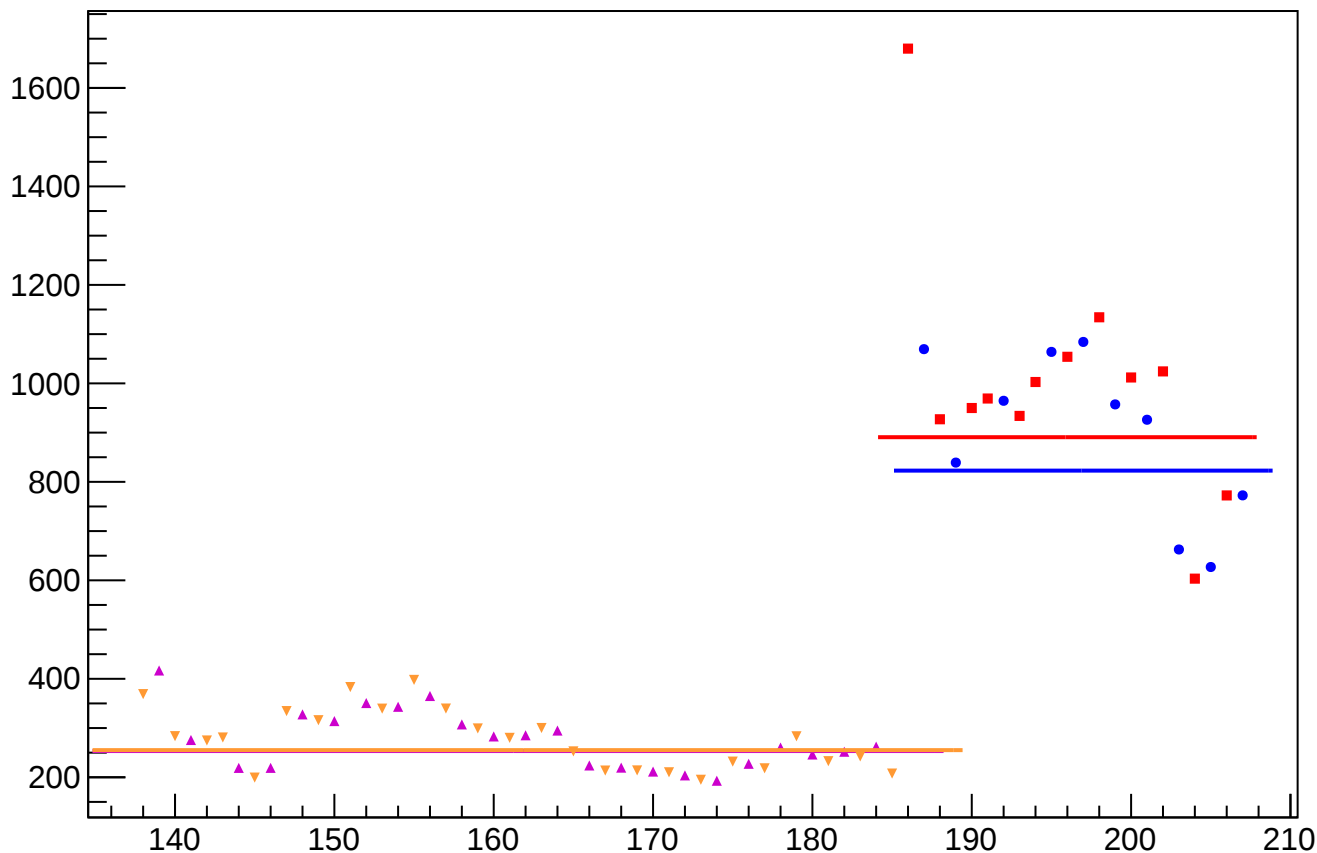
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 313.928 ± 59.753 χ^2/NDF : 73.5/34

All: 171.317 ± 42.649 χ^2/NDF : 125.5/69

- sign 23.209 ± 60.893 χ^2/NDF : 40.4/34

asym_sam_1526_avg_rms vs Slug



Right In: 822.816 $\pm$ 0.223 χ^2 /NDF: 531994.9/9

Left Out: 255.135 $\pm$ 0.043 χ^2 /NDF: 1542039.5/24

Right Out: 890.685 $\pm$ 0.228 χ^2 /NDF: 718175.9/11

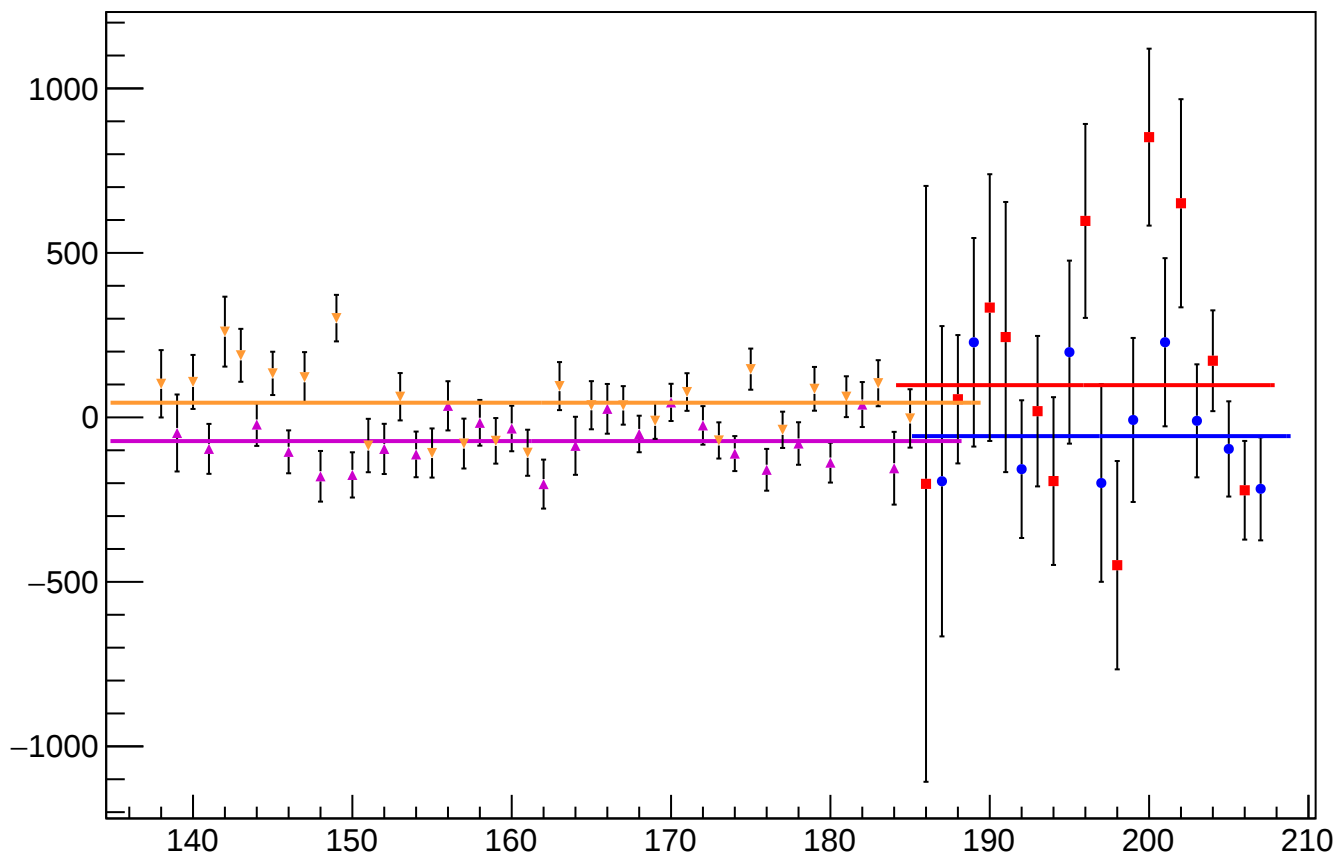
Left In: 253.287 $\pm$ 0.044 χ^2 /NDF: 1341662.3/22

+ sign 275.598 $\pm$ 0.042 χ^2 /NDF: 8346349.9/34

All: 275.761 $\pm$ 0.030 χ^2 /NDF: 17914487.3/69

- sign 275.931 $\pm$ 0.043 χ^2 /NDF: 9568106.9/34

reg_asym_sam_3726_avg_mean vs Slug



Right In: -56.949 $\pm$ 68.194 χ^2 /NDF: 4.7/9

Left Out: 44.602 $\pm$ 13.824 χ^2 /NDF: 53.9/24

Right Out: 97.996 $\pm$ 69.611 χ^2 /NDF: 23.6/11

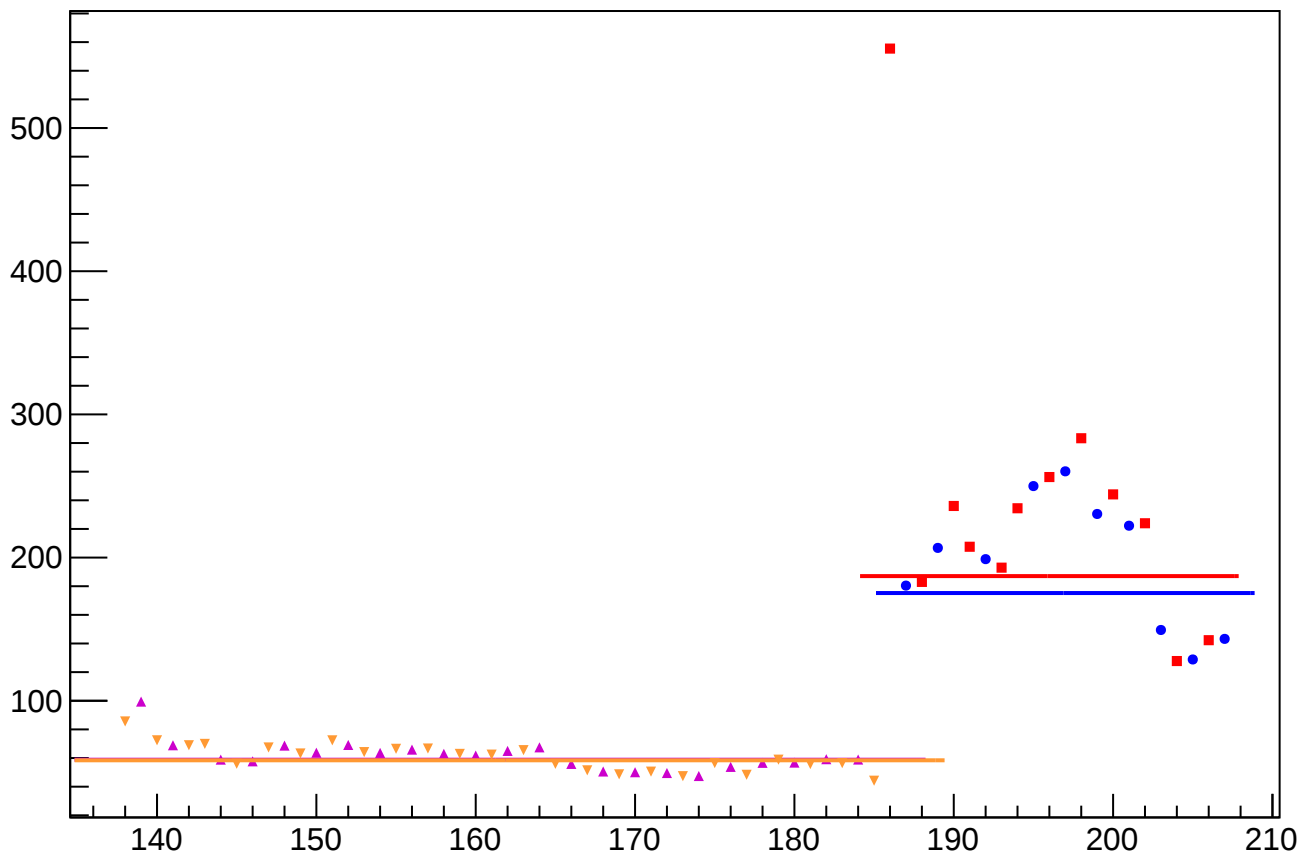
Left In: -72.037 $\pm$ 14.296 χ^2 /NDF: 25.3/22

+ sign 40.593 $\pm$ 13.549 χ^2 /NDF: 60.7/34

All: -10.534 $\pm$ 9.737 χ^2 /NDF: 144.8/69

- sign -65.155 $\pm$ 14.004 χ^2 /NDF: 54.6/34

reg_asym_sam_3726_avg_rms vs Slug



Right In: 175.238+/-0.048 χ^2/NDF : 849833.2/9

Left Out: 58.423+/-0.010 χ^2/NDF : 790091.3/24

Right Out: 187.067+/-0.049 χ^2/NDF : 1326658.9/11

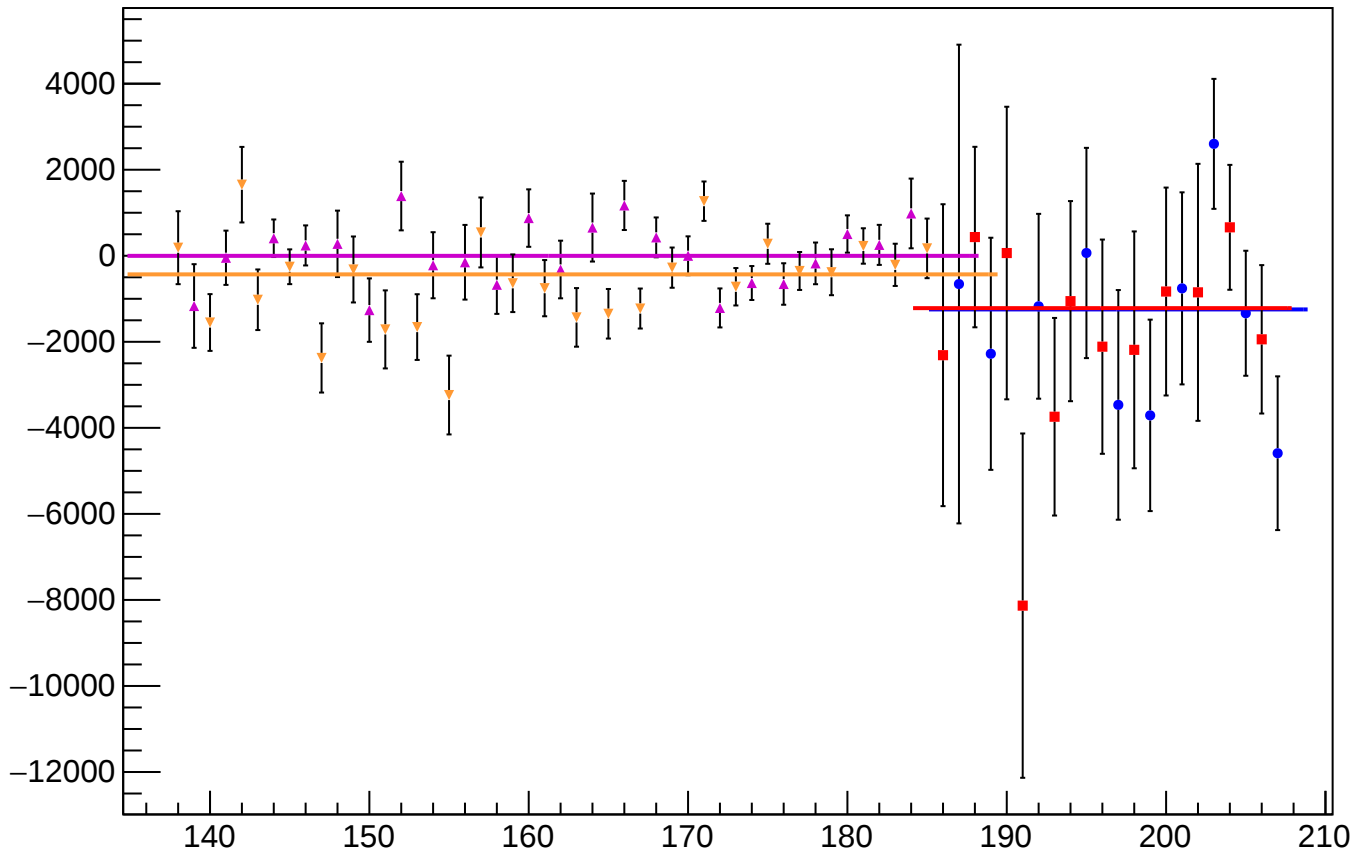
Left In: 58.840+/-0.010 χ^2/NDF : 679925.7/22

+ sign 63.034+/-0.010 χ^2/NDF : 7276865.7/34

All: 63.515+/-0.007 χ^2/NDF : 15800280.9/69

- sign 64.029+/-0.010 χ^2/NDF : 8518195.5/34

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1247.383 $\pm$ 656.262 χ^2/NDF : 12.4/9

Left Out: -432.330 $\pm$ 114.408 χ^2/NDF : 59.4/24

Right Out: -1217.496 $\pm$ 671.309 χ^2/NDF : 7.2/11

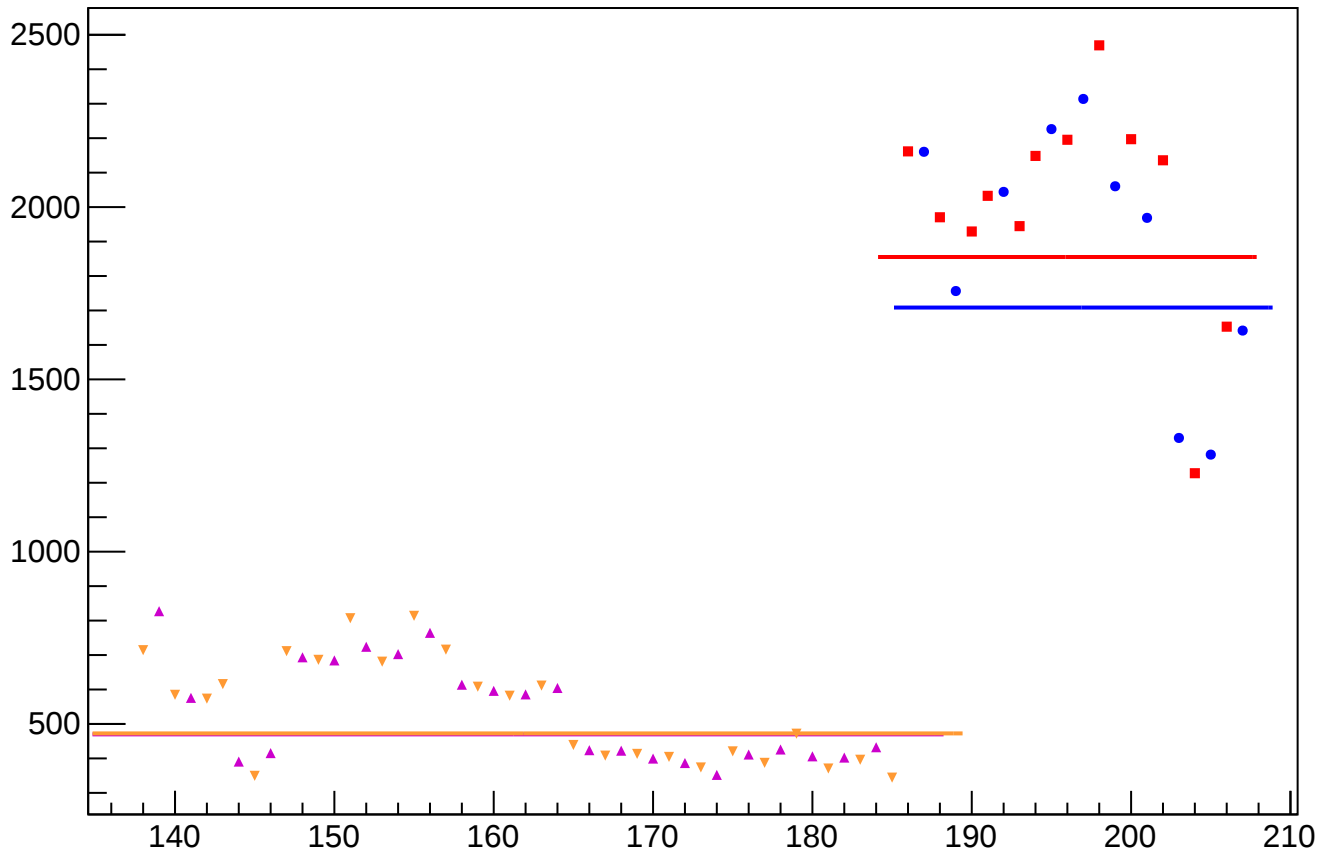
Left In: -1.825 $\pm$ 116.459 χ^2/NDF : 32.3/22

+ sign -456.371 $\pm$ 112.708 χ^2/NDF : 73.3/34

All: -250.608 $\pm$ 80.407 χ^2/NDF : 122.8/69

- sign -37.342 $\pm$ 114.745 χ^2/NDF : 42.7/34

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1708.470+/-0.464 χ^2/NDF : 633472.8/9

Left Out: 472.569+/-0.081 χ^2/NDF :2508168.9/24

Right Out: 1855.166+/-0.475 χ^2/NDF : 656791.0/11

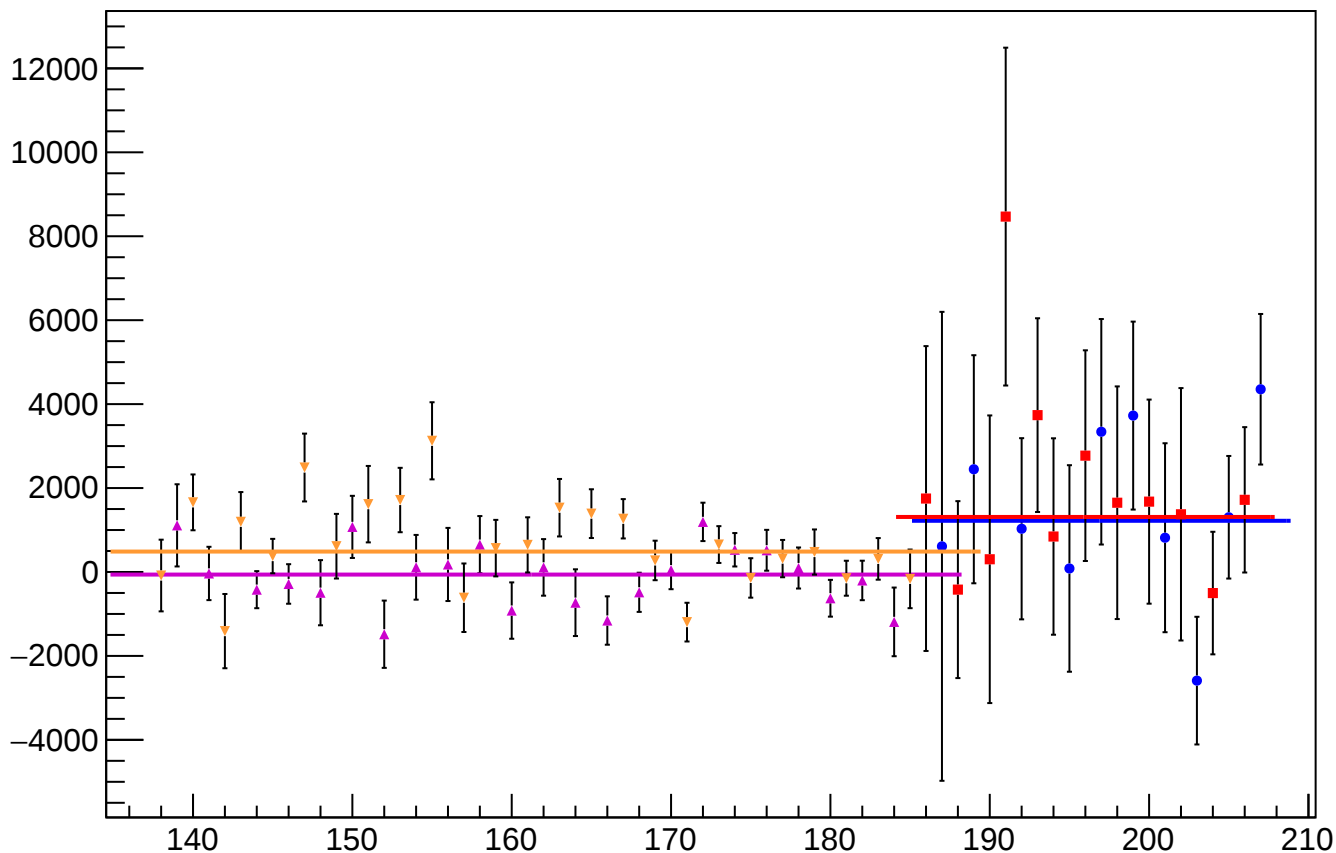
Left In: 469.761+/-0.082 χ^2/NDF :2116885.7/22

+ sign 509.022+/-0.080 χ^2/NDF : 10025643.4/34

All: 509.619+/-0.057 χ^2/NDF : 21068589.6/69

- sign 510.237+/-0.081 χ^2/NDF : 11042832.1/34

asym_sam_3726_avg_mean vs Slug



Right In: 1219.779 $\pm$ 660.233 χ^2 /NDF: 11.7/9

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 1311.219 $\pm$ 675.913 χ^2 /NDF: 7.1/11

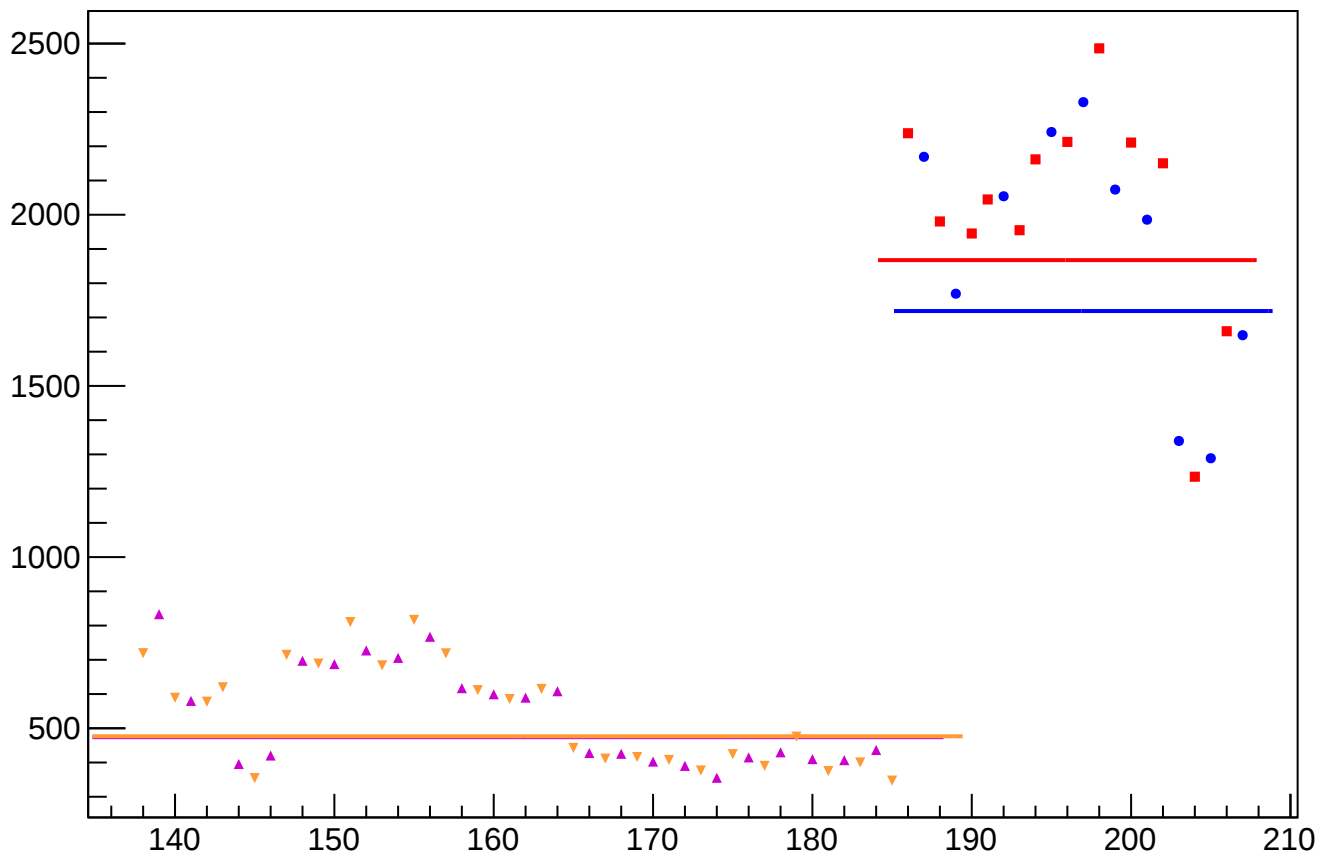
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 508.359 $\pm$ 113.625 χ^2 /NDF: 68.9/34

All: 248.240 $\pm$ 81.074 χ^2 /NDF: 121.8/69

- sign -21.534 $\pm$ 115.715 χ^2 /NDF: 42.2/34

asym_sam_3726_avg_rms vs Slug



Right In: 1718.755 $\pm$ 0.467 χ^2/NDF : 634577.0/9

Left Out: 476.690 $\pm$ 0.082 χ^2/NDF : 2472737.6/24

Right Out: 1867.432 $\pm$ 0.478 χ^2/NDF : 665197.8/11

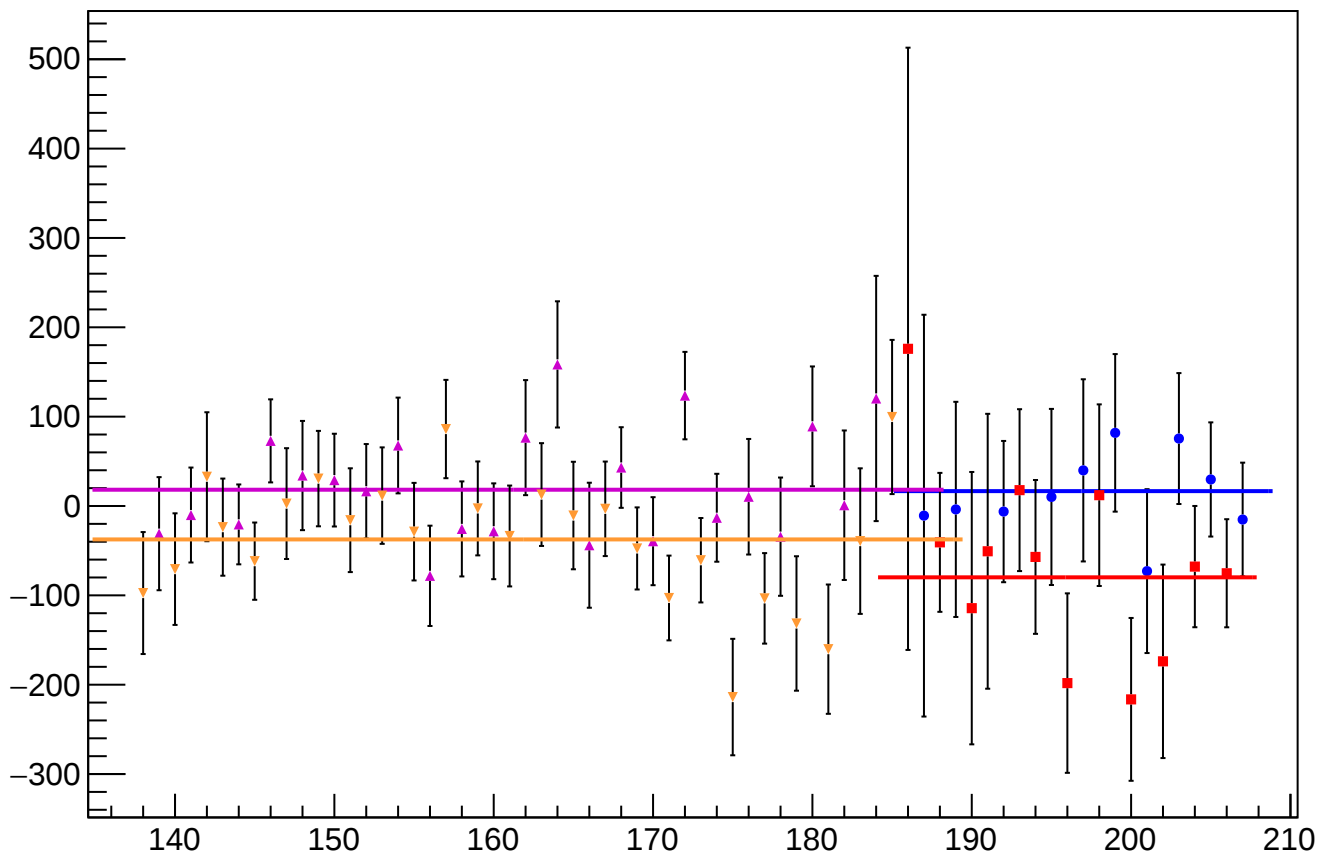
Left In: 473.983 $\pm$ 0.083 χ^2/NDF : 2087113.7/22

+ sign 513.477 $\pm$ 0.080 χ^2/NDF : 9975884.9/34

All: 514.138 $\pm$ 0.057 χ^2/NDF : 20979432.0/69

- sign 514.824 $\pm$ 0.082 χ^2/NDF : 11003409.3/34

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 16.646 $\pm$ 26.984 χ^2 /NDF: 2.6/9

Left Out: -37.413 $\pm$ 11.390 χ^2 /NDF:30.5/24

Right Out: -79.838 $\pm$ 26.646 χ^2 /NDF: 7.4/11

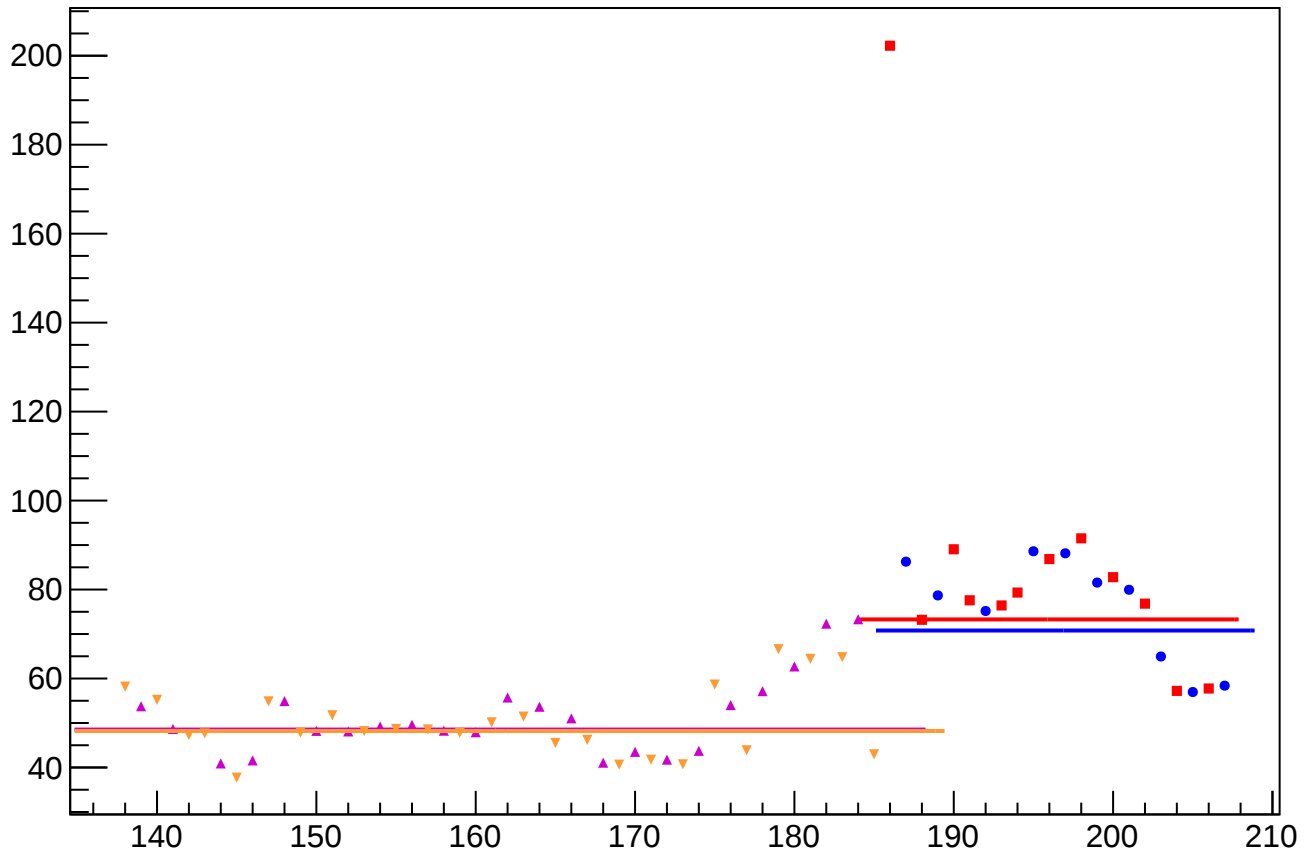
Left In: 18.210 $\pm$ 11.788 χ^2 /NDF:23.0/22

+ sign -29.238 $\pm$ 10.493 χ^2 /NDF: 36.5/34

All: -13.961 $\pm$ 7.519 χ^2 /NDF: 82.6/69

- sign 2.163 $\pm$ 10.780 χ^2 /NDF: 41.7/34

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 70.791 ± 0.019 χ^2/NDF : 379543.9/9

Left Out: 48.200 ± 0.008 χ^2/NDF : 750196.2/24

Right Out: 73.287 ± 0.019 χ^2/NDF : 696676.9/11

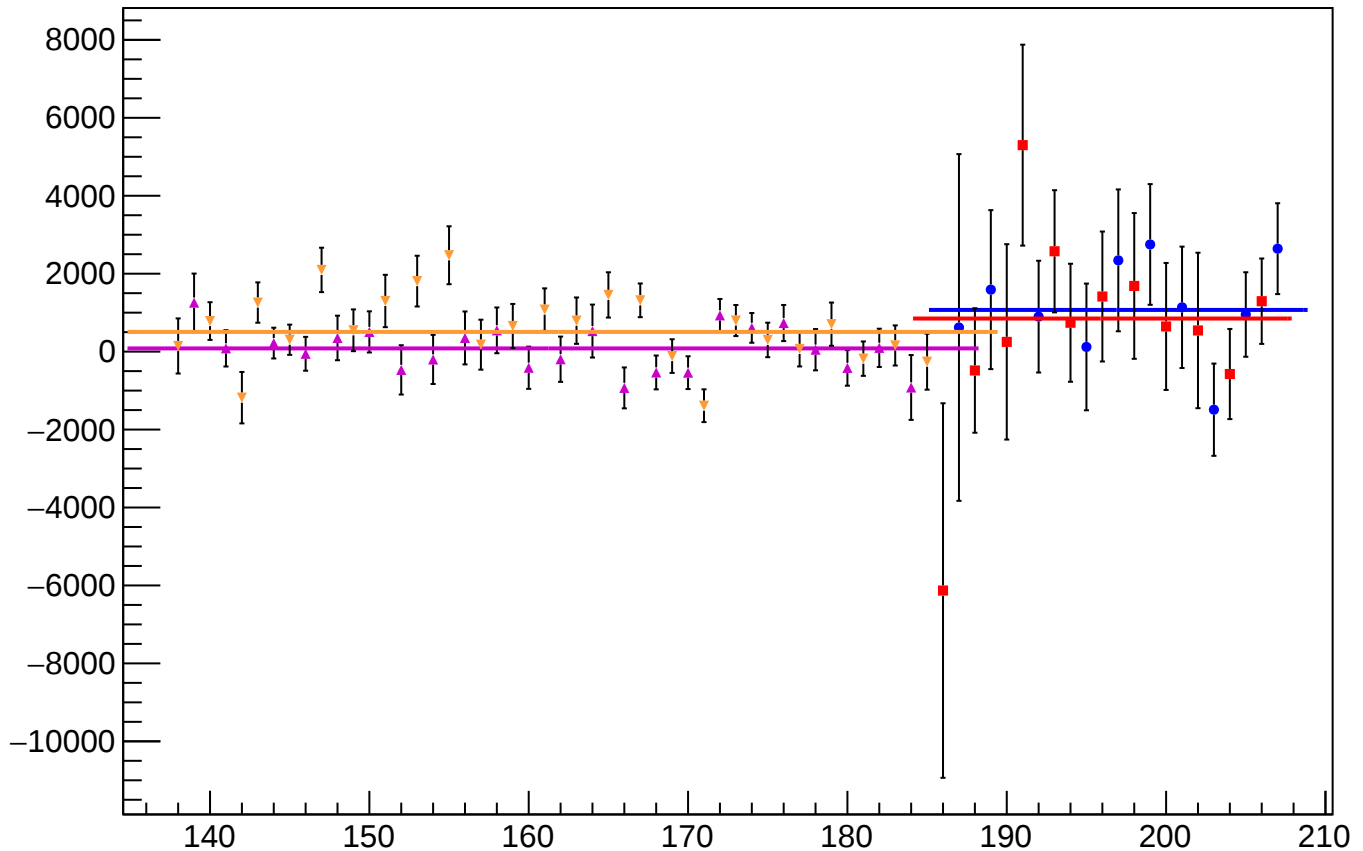
Left In: 48.527 ± 0.008 χ^2/NDF : 675340.8/22

+ sign 51.616 ± 0.007 χ^2/NDF : 2319571.5/34

All: 52.085 ± 0.005 χ^2/NDF : 5144091.0/69

- sign 52.579 ± 0.008 χ^2/NDF : 2816316.6/34

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1070.249 $\pm$ 466.958 χ^2/NDF : 8.6/9

Left Out: 506.205 $\pm$ 103.468 χ^2/NDF : 65.7/24

Right Out: 849.395 $\pm$ 474.481 χ^2/NDF : 9.1/11

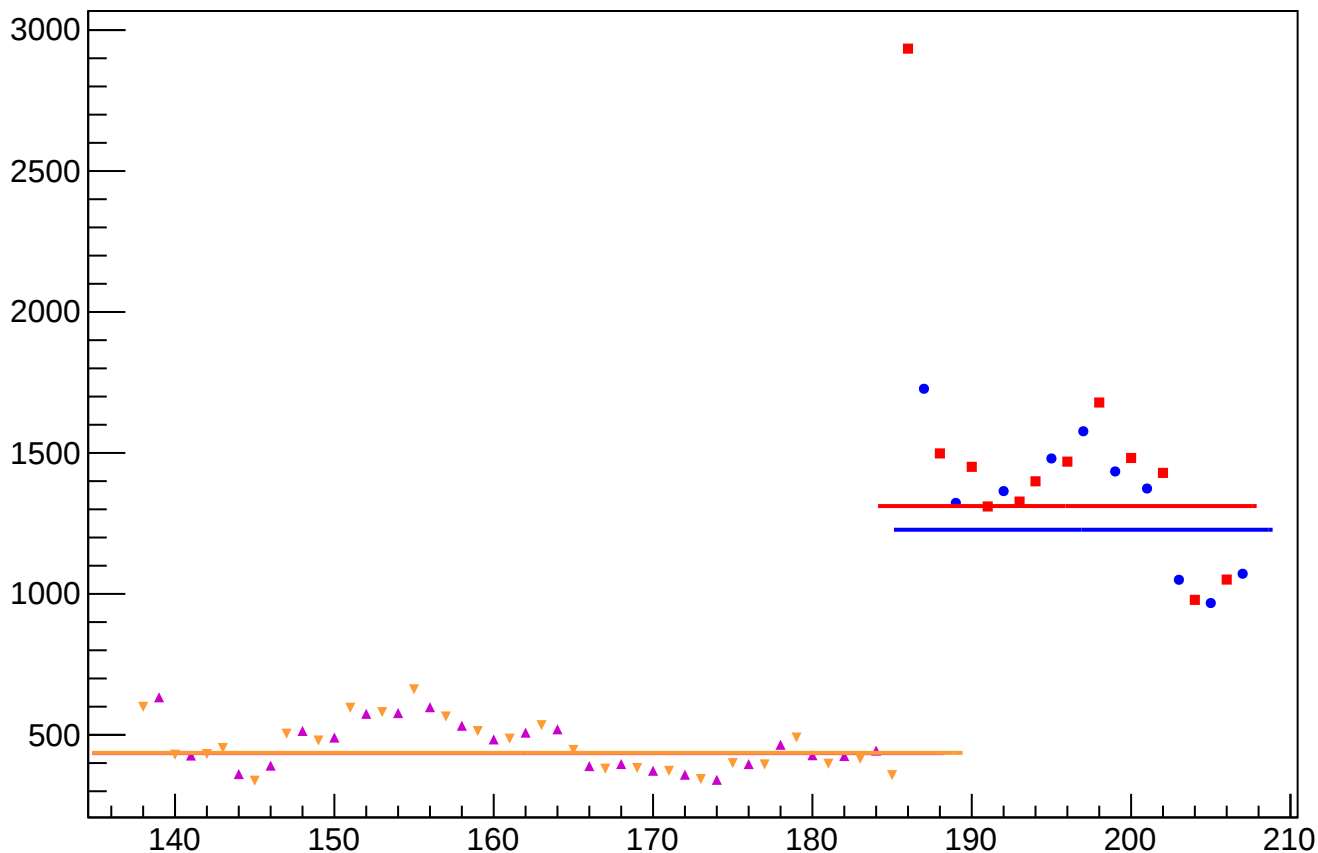
Left In: 82.421 $\pm$ 105.935 χ^2/NDF : 25.3/22

+ sign 532.602 $\pm$ 101.018 χ^2/NDF : 75.7/34

All: 330.521 $\pm$ 72.254 χ^2/NDF : 120.8/69

- sign 118.837 $\pm$ 103.390 χ^2/NDF : 36.9/34

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1227.592 $\pm$ 0.330 χ^2 /NDF: 418982.9/9

Left Out: 436.301 $\pm$ 0.073 χ^2 /NDF: 1179348.4/24

Right Out: 1311.586 $\pm$ 0.336 χ^2 /NDF: 671016.2/11

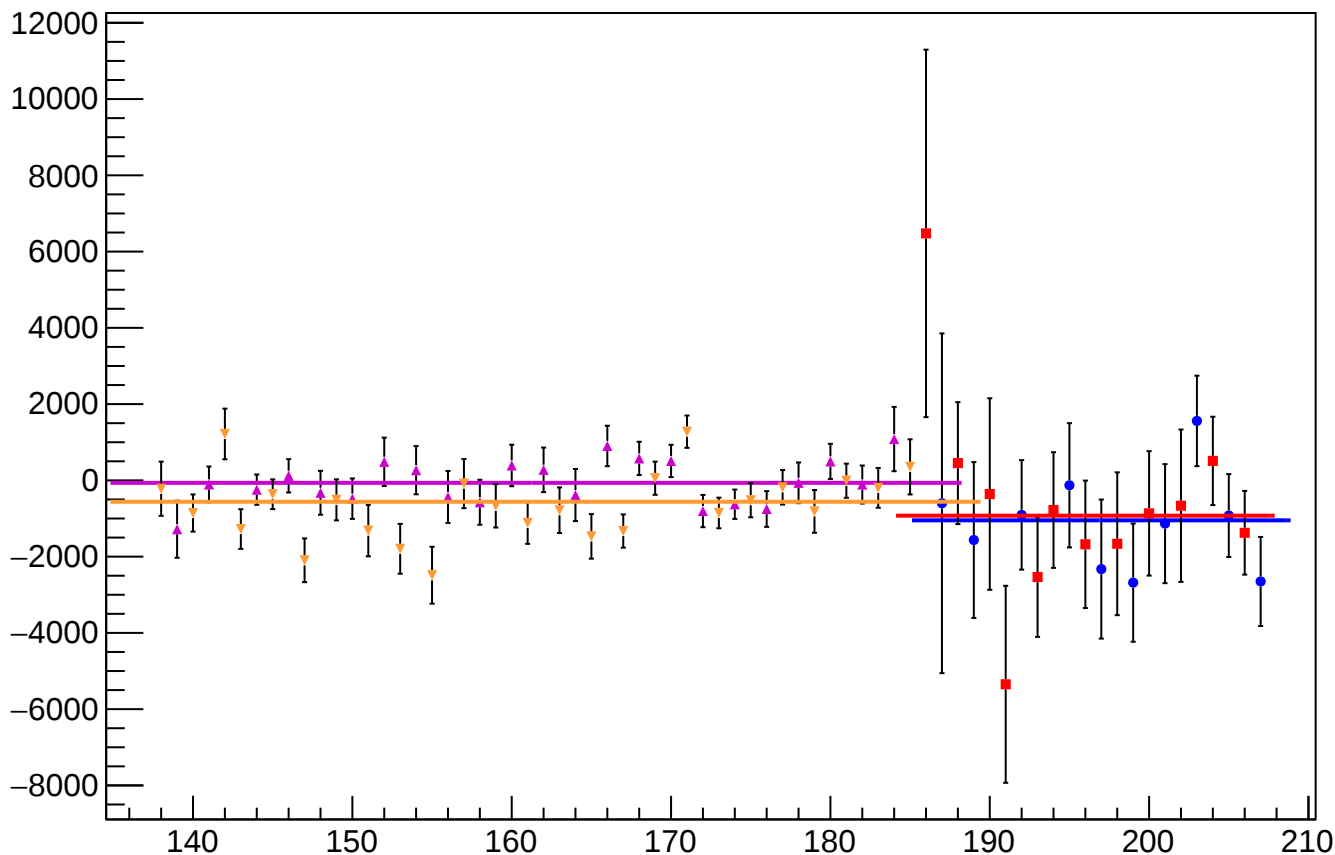
Left In: 435.275 $\pm$ 0.075 χ^2 /NDF: 1027713.1/22

+ sign 473.333 $\pm$ 0.071 χ^2 /NDF: 7072645.0/34

All: 475.067 $\pm$ 0.051 χ^2 /NDF: 15270617.6/69

- sign 476.883 $\pm$ 0.073 χ^2 /NDF: 8196766.5/34

asym_sam_15_48_dd_mean vs Slug



Right In: -1048.034 ± 467.794 χ^2/NDF : 8.7/9

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -925.280 ± 475.296 χ^2/NDF : 9.2/11

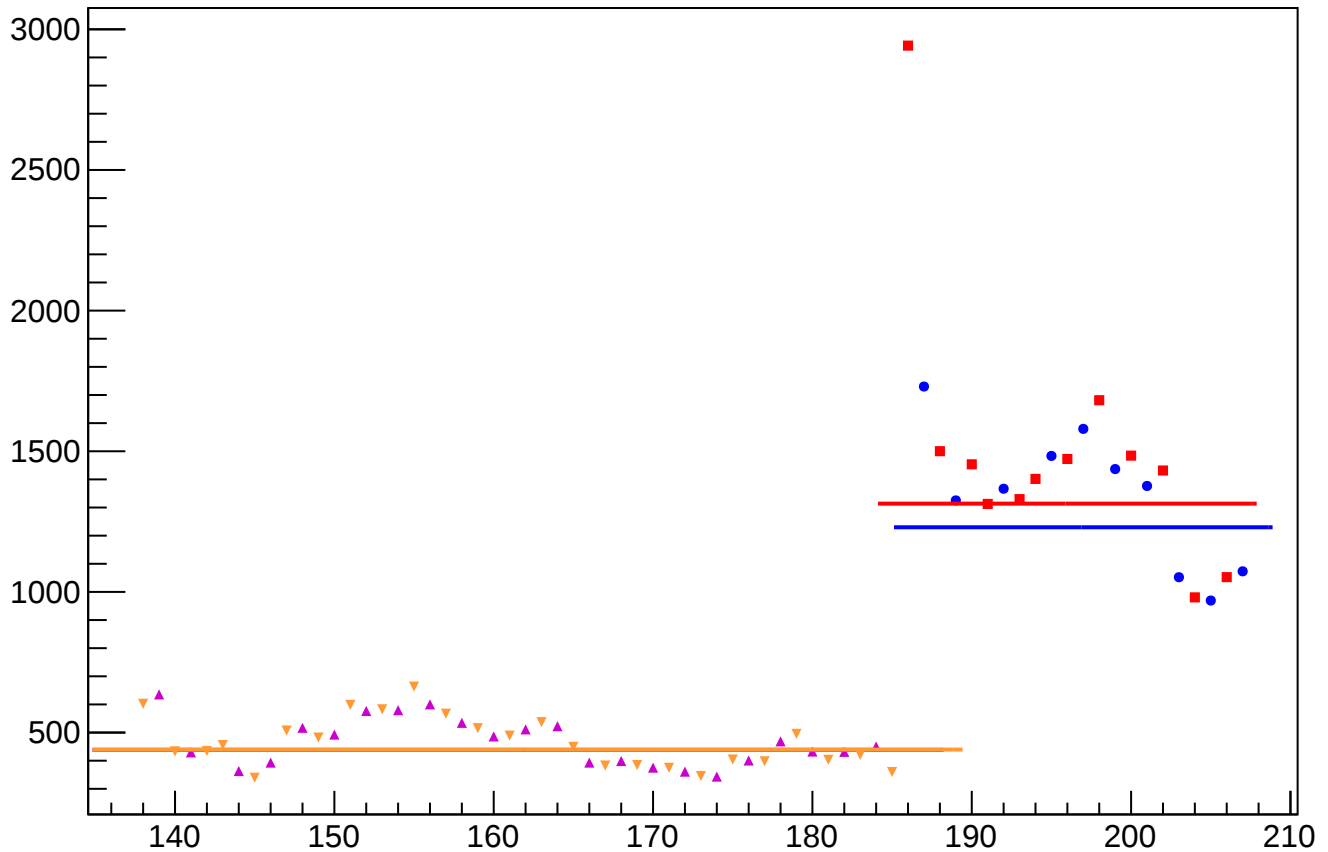
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -583.725 ± 101.714 χ^2/NDF : 71.5/34

All: -350.385 ± 72.757 χ^2/NDF : 119.8/69

- sign -105.894 ± 104.116 χ^2/NDF : 37.5/34

asym_sam_15_48_dd_rms vs Slug



Right In: 1229.798 $\pm$ 0.331 χ^2 /NDF: 418935.0/9

Left Out: 439.527 $\pm$ 0.074 χ^2 /NDF: 1163352.8/24

Right Out: 1313.830 $\pm$ 0.336 χ^2 /NDF: 671301.0/11

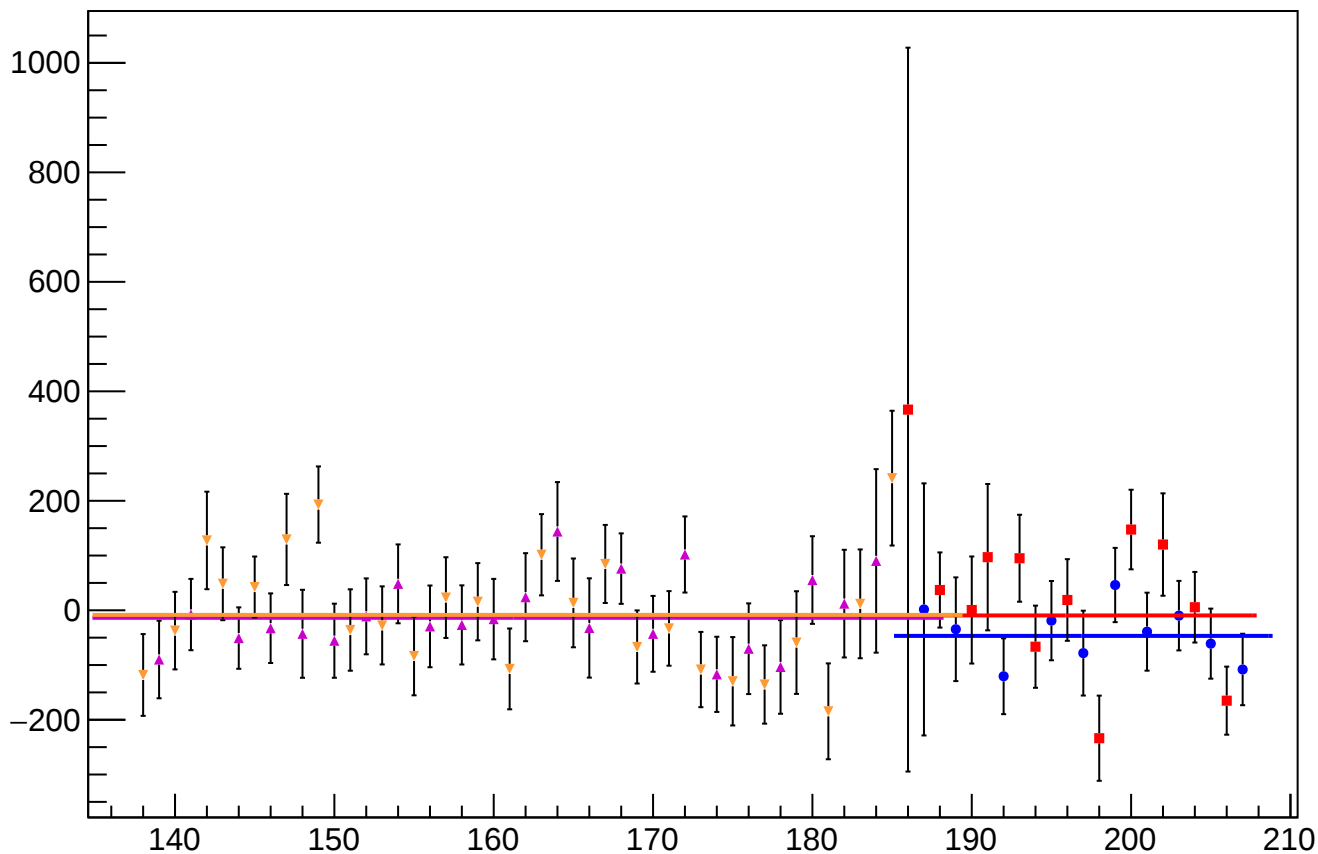
Left In: 438.548 $\pm$ 0.075 χ^2 /NDF: 1013071.4/22

+ sign 476.889 $\pm$ 0.072 χ^2 /NDF: 7020289.3/34

All: 478.676 $\pm$ 0.051 χ^2 /NDF: 15163087.5/69

- sign 480.548 $\pm$ 0.074 χ^2 /NDF: 8141534.1/34

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -46.771 ± 23.331 χ^2/NDF : 4.7/9

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: -9.428 ± 23.195 χ^2/NDF : 25.1/11

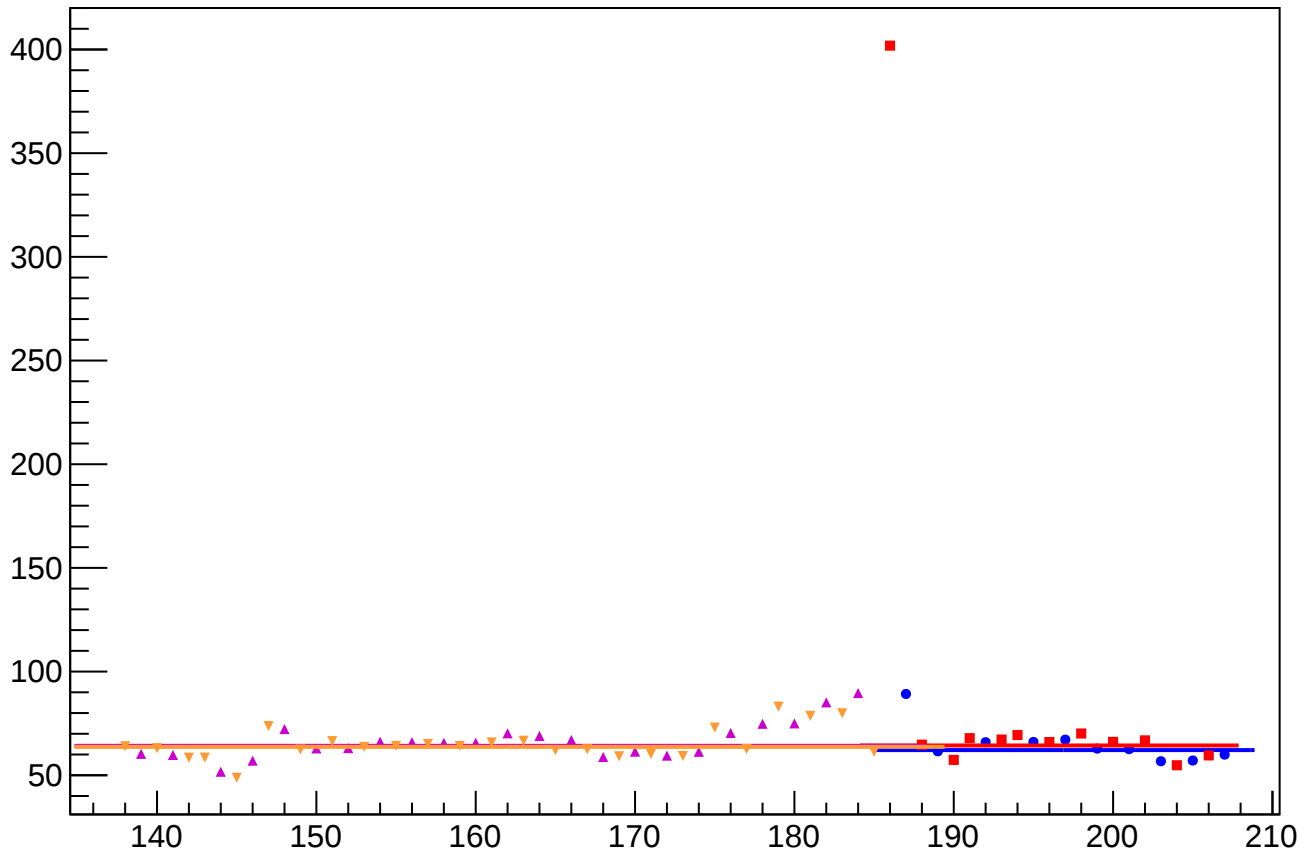
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -19.564 ± 12.578 χ^2/NDF : 48.2/34

All: -16.065 ± 8.997 χ^2/NDF : 89.7/69

- sign -12.400 ± 12.875 χ^2/NDF : 41.4/34

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.131+/-0.016 χ^2/NDF : 77382.3/9

Left Out: 63.696+/-0.011 χ^2/NDF : 448439.3/24

Right Out: 64.361+/-0.016 χ^2/NDF : 614276.9/11

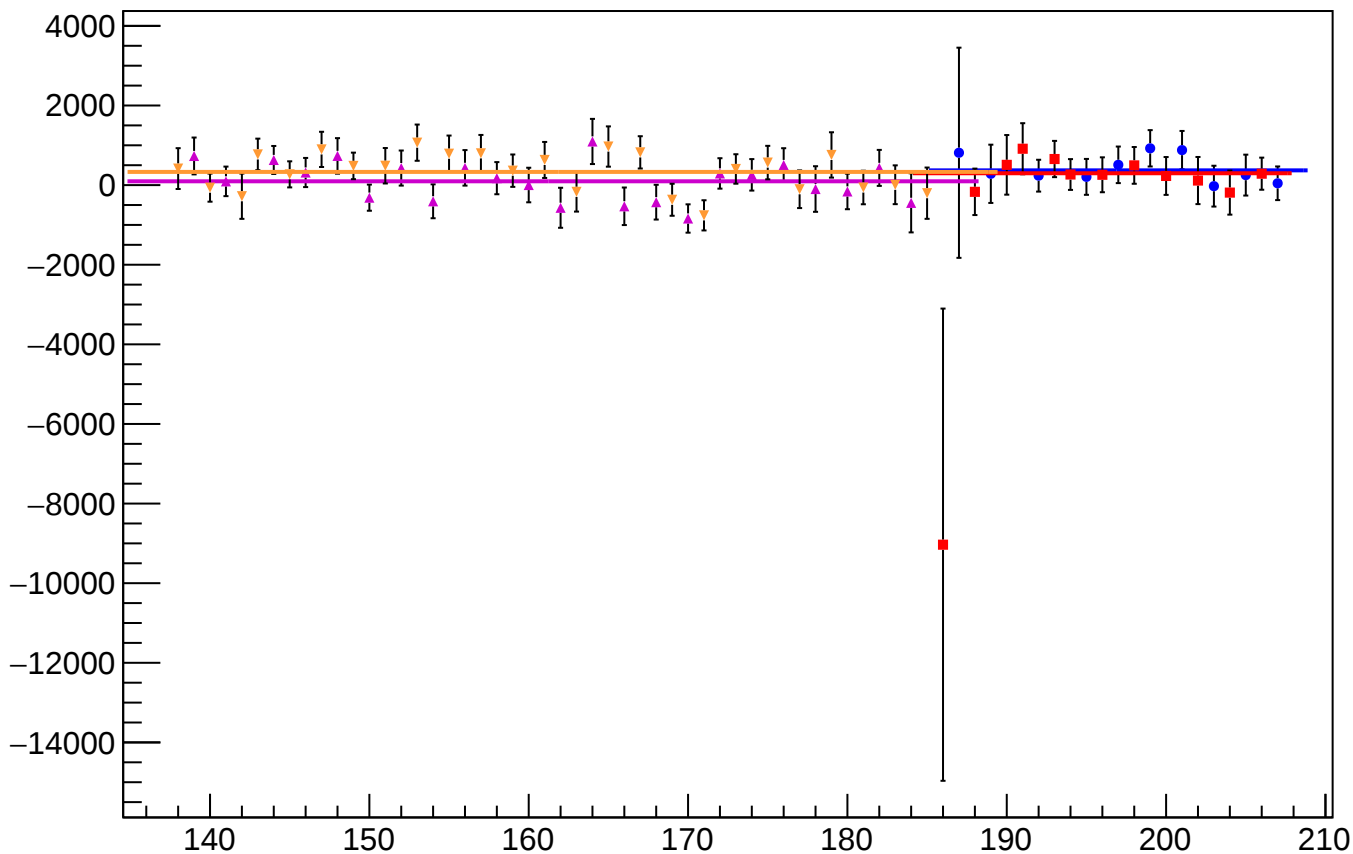
Left In: 64.189+/-0.011 χ^2/NDF : 429670.3/22

+ sign 63.241+/-0.009 χ^2/NDF : 532201.0/34

All: 63.730+/-0.006 χ^2/NDF : 1582408.1/69

- sign 64.242+/-0.009 χ^2/NDF : 1044023.2/34

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 370.629 $\pm$ 157.659 χ^2 /NDF: 4.2/9

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF: 29.9/24

Right Out: 297.953 $\pm$ 148.612 χ^2 /NDF: 5.8/11

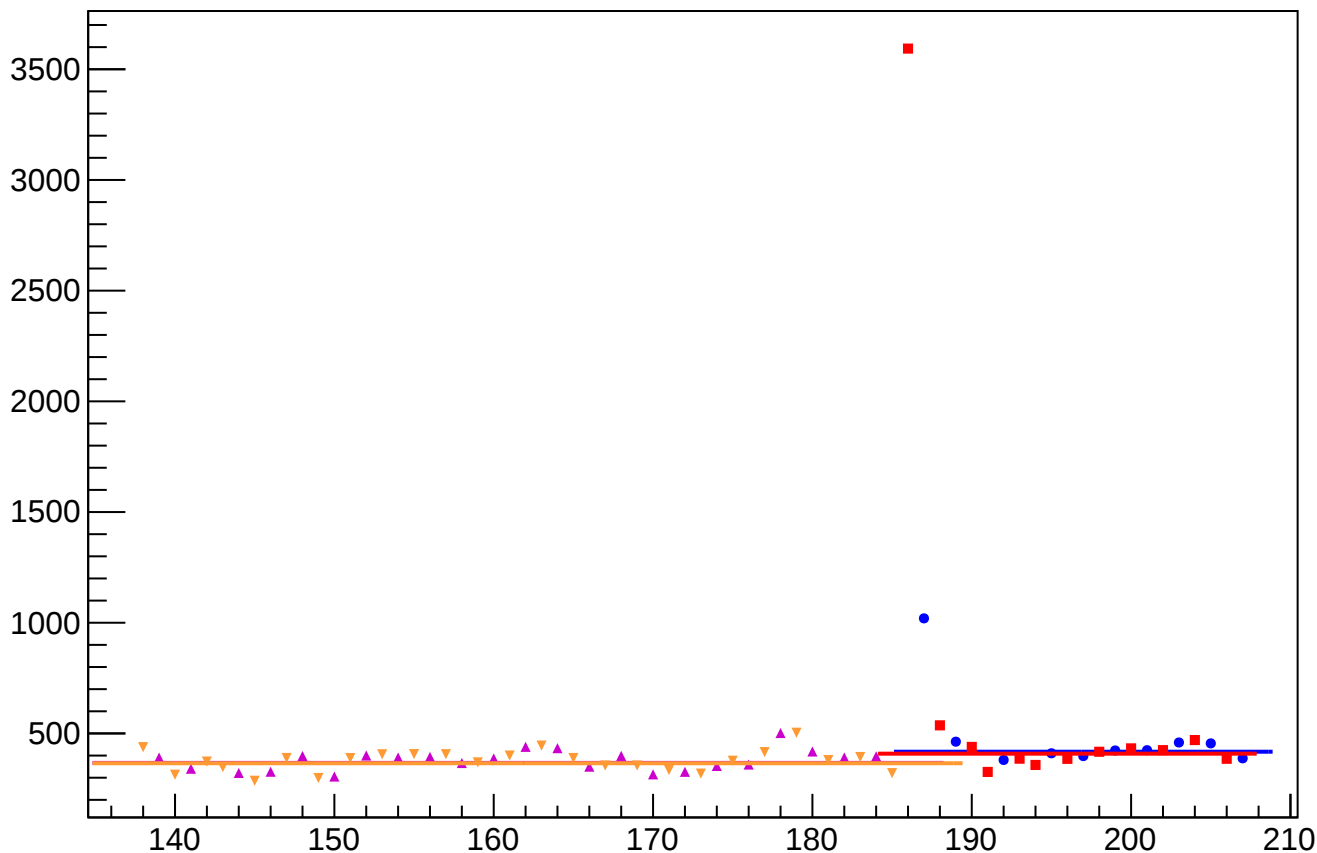
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF: 28.7/22

+ sign 340.668 $\pm$ 75.546 χ^2 /NDF: 34.1/34

All: 245.551 $\pm$ 53.627 χ^2 /NDF: 73.2/69

- sign 148.941 $\pm$ 76.137 χ^2 /NDF: 35.9/34

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 417.461 ± 0.111 χ^2/NDF : 167778.5/9

Left Out: 365.355 ± 0.061 χ^2/NDF : 618453.7/24

Right Out: 408.579 ± 0.105 χ^2/NDF : 793121.8/11

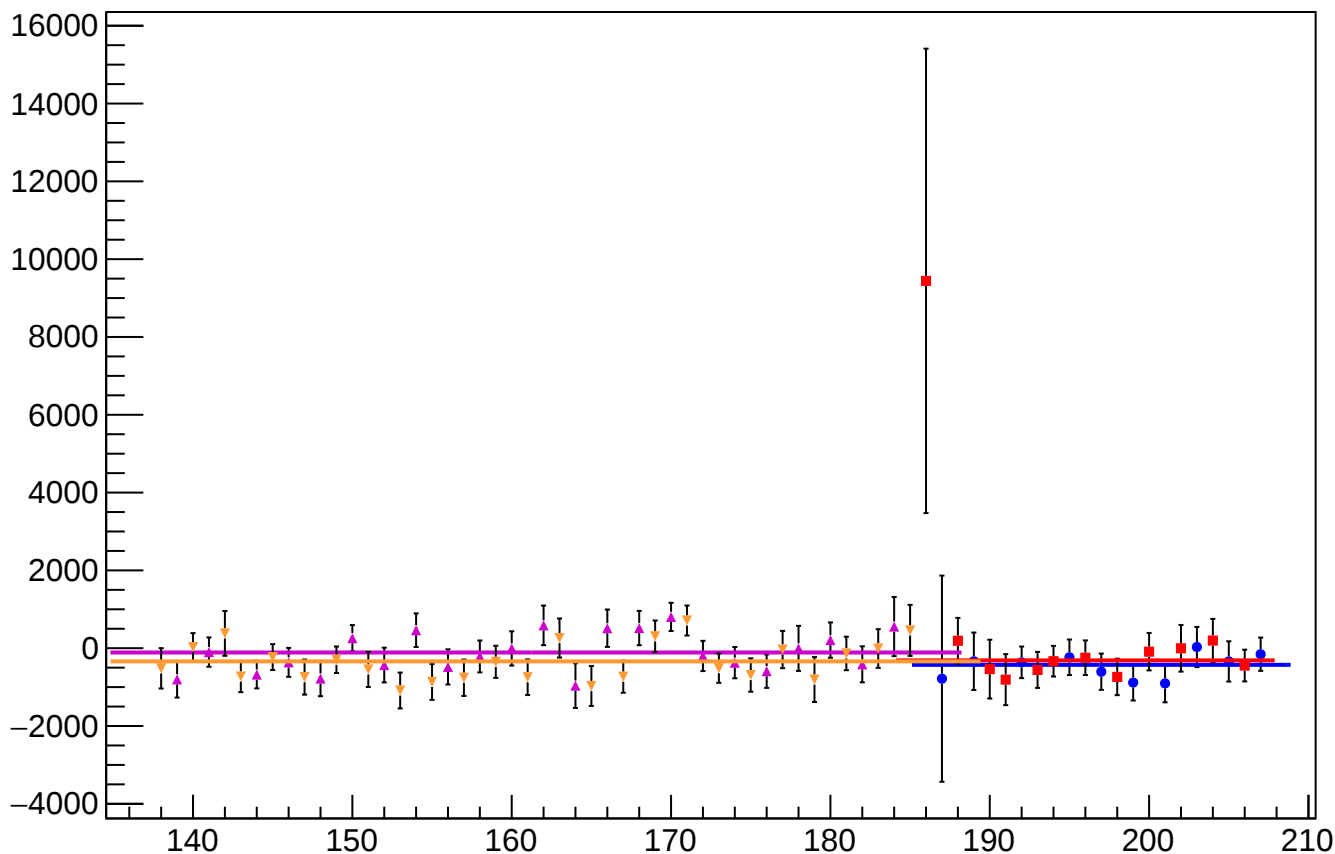
Left In: 366.925 ± 0.063 χ^2/NDF : 478082.1/22

+ sign 377.319 ± 0.053 χ^2/NDF : 954525.3/34

All: 377.586 ± 0.038 χ^2/NDF : 2341660.9/69

- sign 377.858 ± 0.054 χ^2/NDF : 1387085.2/34

asym_sam_37_48_dd_mean vs Slug



Right In: -427.647 ± 159.544 χ^2/NDF : 3.5/9

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -313.288 ± 150.653 χ^2/NDF : 6.6/11

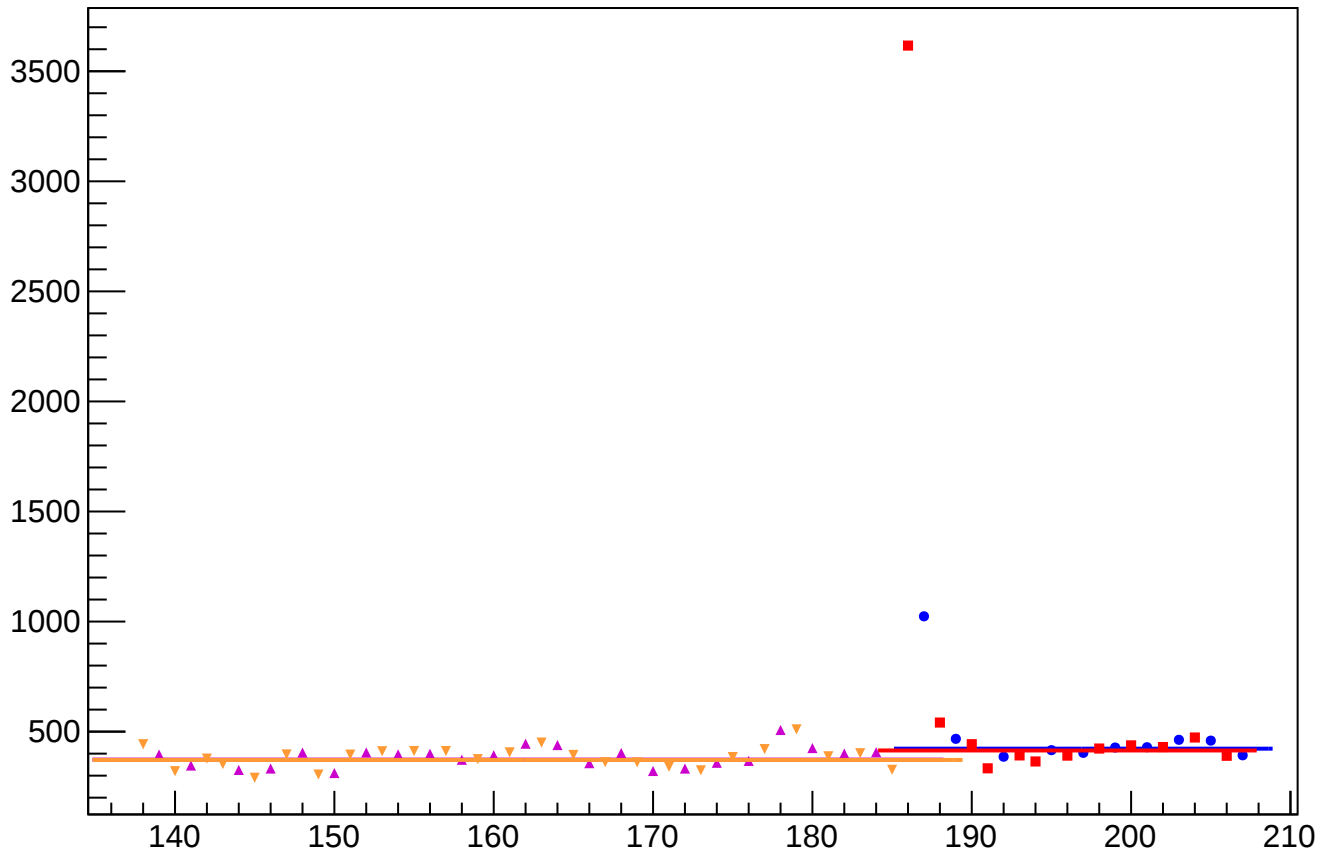
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -359.117 ± 76.686 χ^2/NDF : 32.0/34

All: -262.254 ± 54.446 χ^2/NDF : 72.4/69

- sign -163.793 ± 77.316 χ^2/NDF : 37.2/34

asym_sam_37_48_dd_rms vs Slug



Right In: 422.577 ± 0.113 χ^2/NDF : 162779.4/9

Left Out: 371.356 ± 0.062 χ^2/NDF : 604070.6/24

Right Out: 414.414 ± 0.107 χ^2/NDF : 780593.4/11

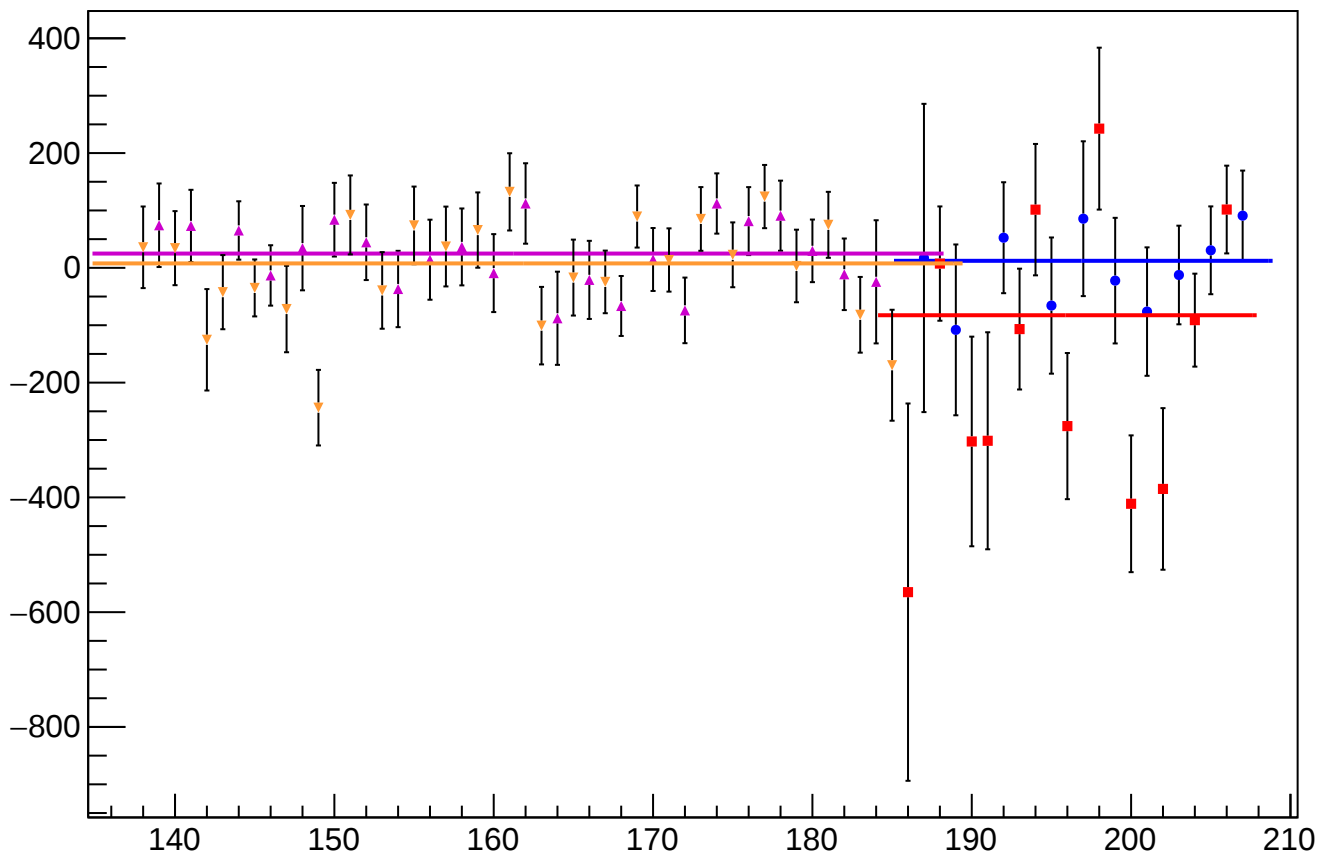
Left In: 372.938 ± 0.064 χ^2/NDF : 467340.9/22

+ sign 383.190 ± 0.054 χ^2/NDF : 925369.6/34

All: 383.523 ± 0.038 χ^2/NDF : 2285047.1/69

- sign 383.862 ± 0.055 χ^2/NDF : 1359601.4/34

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 12.256 ± 32.908 χ^2/NDF : 3.4/9

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -82.585 ± 33.505 χ^2/NDF : 34.0/11

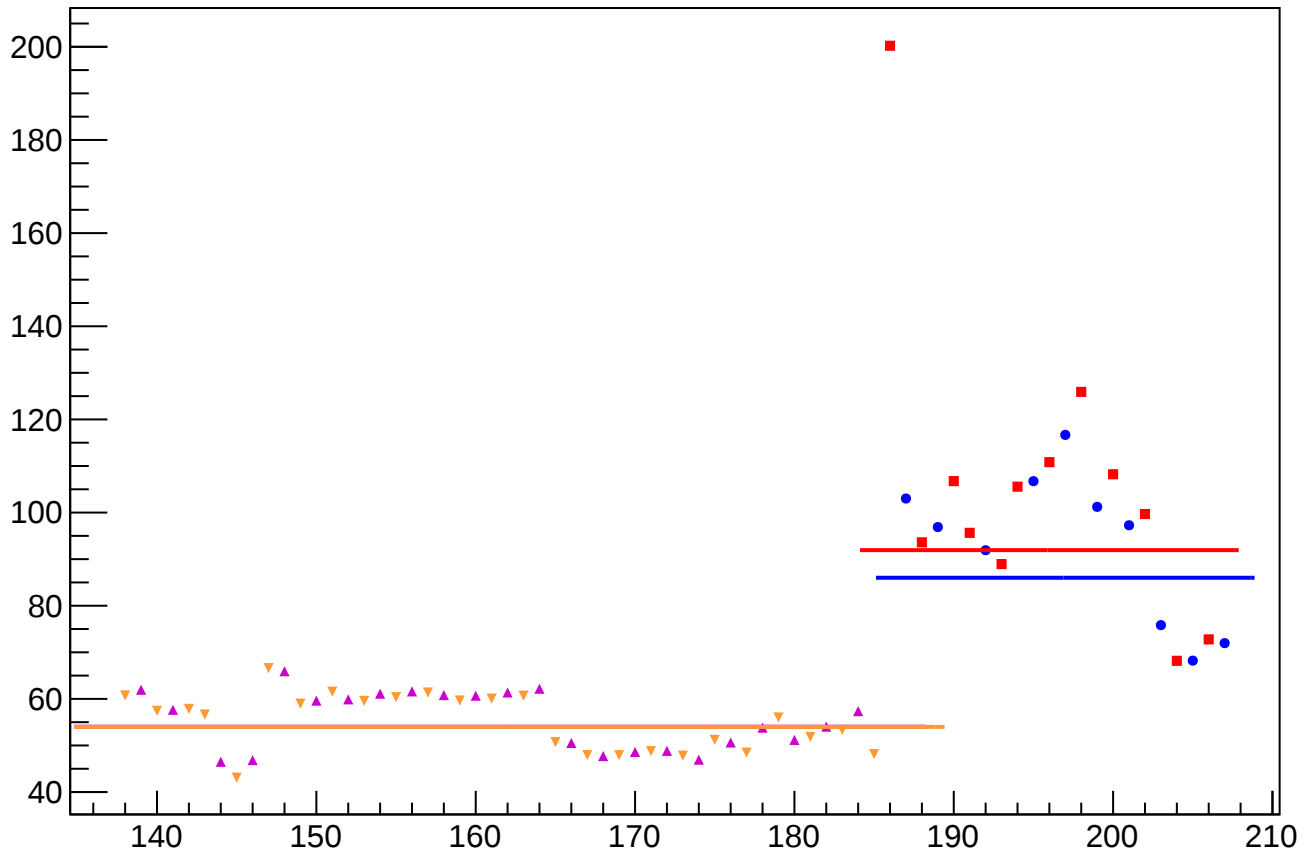
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 8.307 ± 11.812 χ^2/NDF : 48.9/34

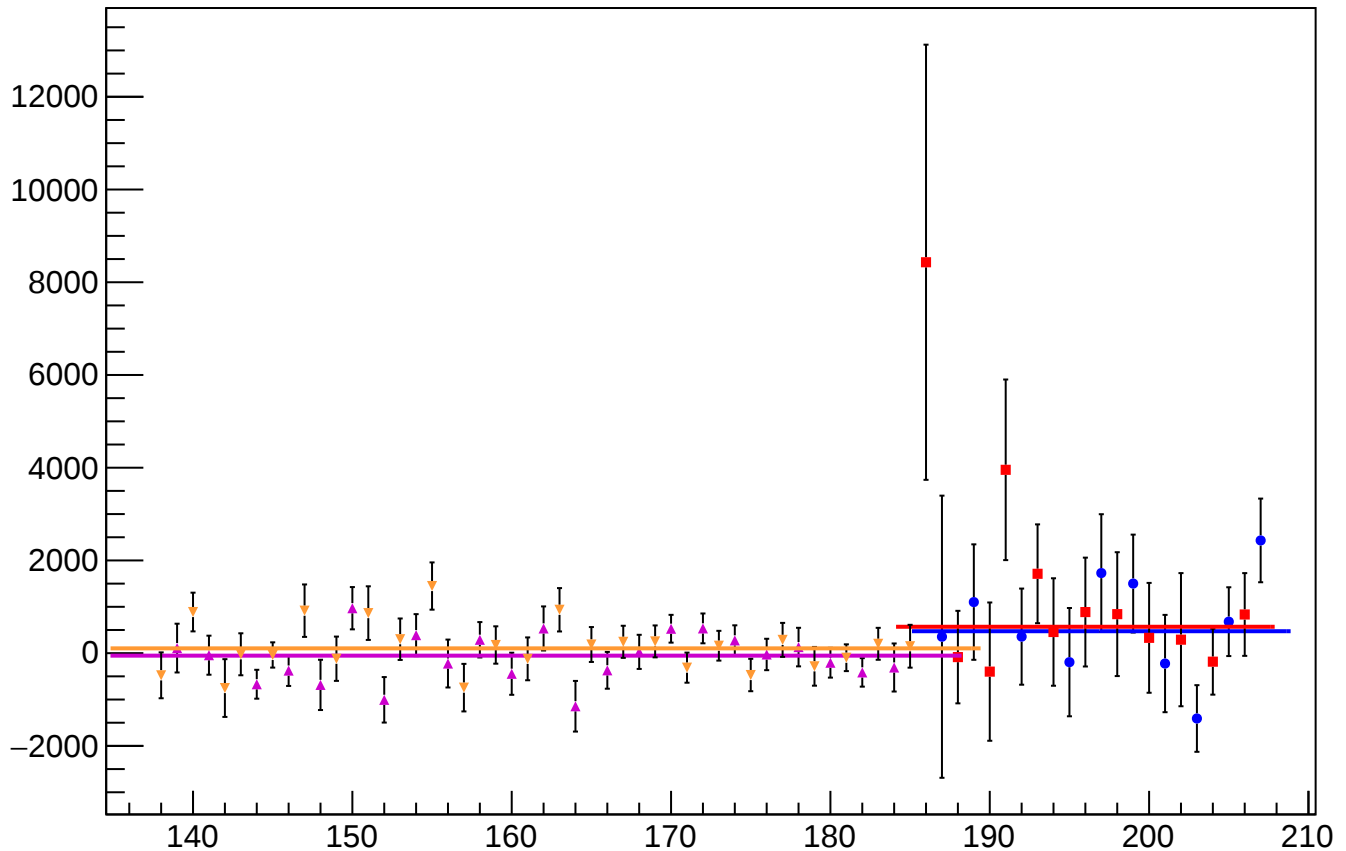
All: 9.505 ± 8.467 χ^2/NDF : 111.6/69

- sign 10.771 ± 12.143 χ^2/NDF : 62.7/34

reg_asym_sam_15_26_dd_rms vs Slug



asym_sam_15_26_dd_correction_mean vs Slug



Right In: 473.383 ± 319.049 χ^2/NDF : 14.6/9

Left Out: 103.768 ± 79.344 χ^2/NDF : 31.0/24

Right Out: 569.550 ± 331.403 χ^2/NDF : 9.2/11

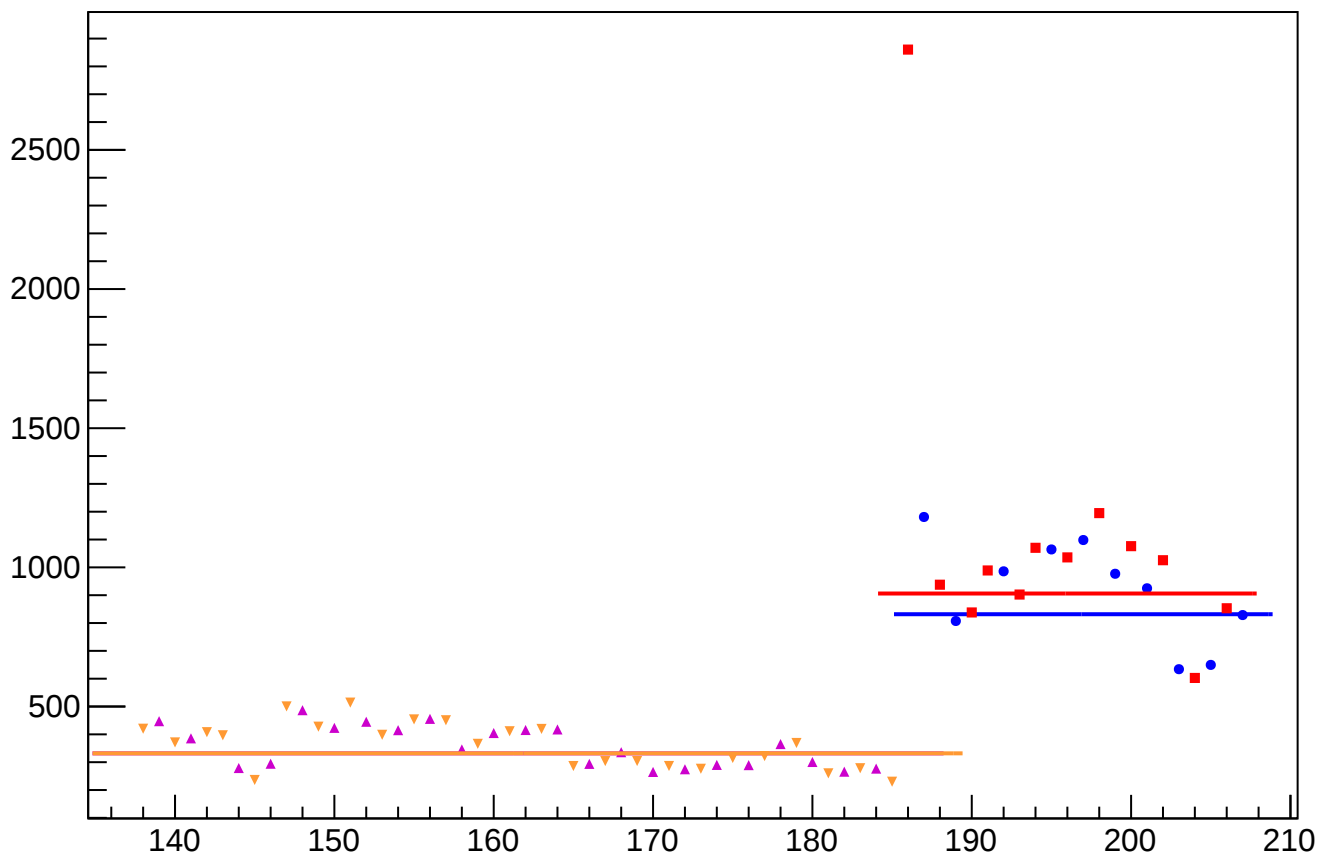
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 125.296 ± 76.999 χ^2/NDF : 46.8/34

All: 55.265 ± 55.095 χ^2/NDF : 95.2/69

- sign -18.206 ± 78.868 χ^2/NDF : 46.7/34

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 831.643 $\pm$ 0.226 χ^2 /NDF: 564292.7/9

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 906.044 $\pm$ 0.234 χ^2 /NDF: 940941.9/11

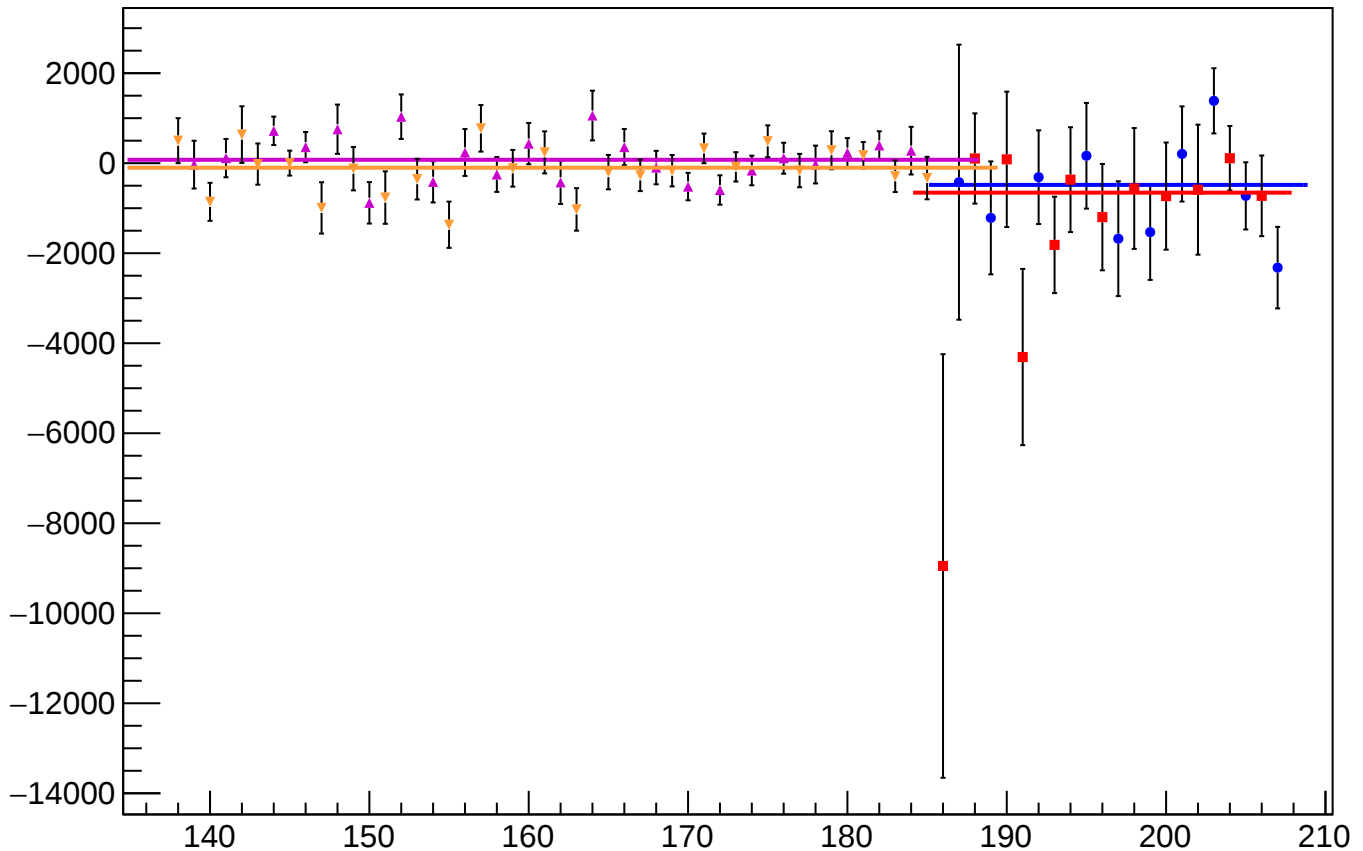
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 360.885 $\pm$ 0.054 χ^2 /NDF: 6899542.2/34

All: 362.501 $\pm$ 0.039 χ^2 /NDF: 14812999.1/69

- sign 364.196 $\pm$ 0.056 χ^2 /NDF: 7911652.2/34

asym_sam_15_26_dd_mean vs Slug



Right In: -482.108±/320.977 χ^2 /NDF: 13.8/9

Left Out: -99.785±/80.428 χ^2 /NDF:30.7/24

Right Out: -654.513±/333.295 χ^2 /NDF: 10.0/11

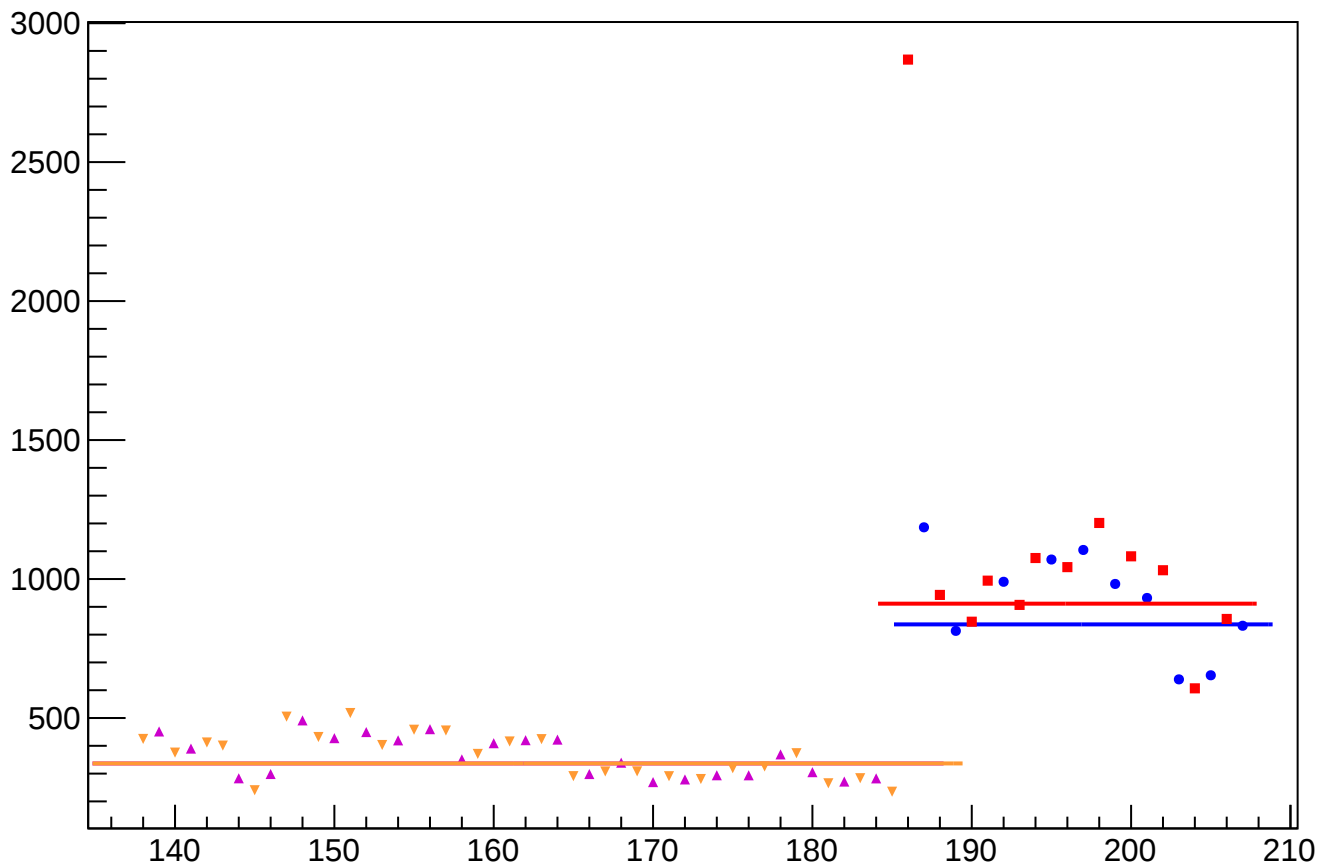
Left In: 75.579±/82.319 χ^2 /NDF:32.1/22

+ sign -122.372±/78.016 χ^2 /NDF: 45.8/34

All: -46.262±/55.826 χ^2 /NDF: 94.4/69

- sign 33.603±/79.917 χ^2 /NDF: 46.6/34

asym_sam_15_26_dd_rms vs Slug



Right In: 836.827 $\pm$ 0.227 χ^2/NDF : 560519.1/9

Left Out: 336.557 $\pm$ 0.057 χ^2/NDF : 1665919.4/24

Right Out: 911.372 $\pm$ 0.236 χ^2/NDF : 937507.5/11

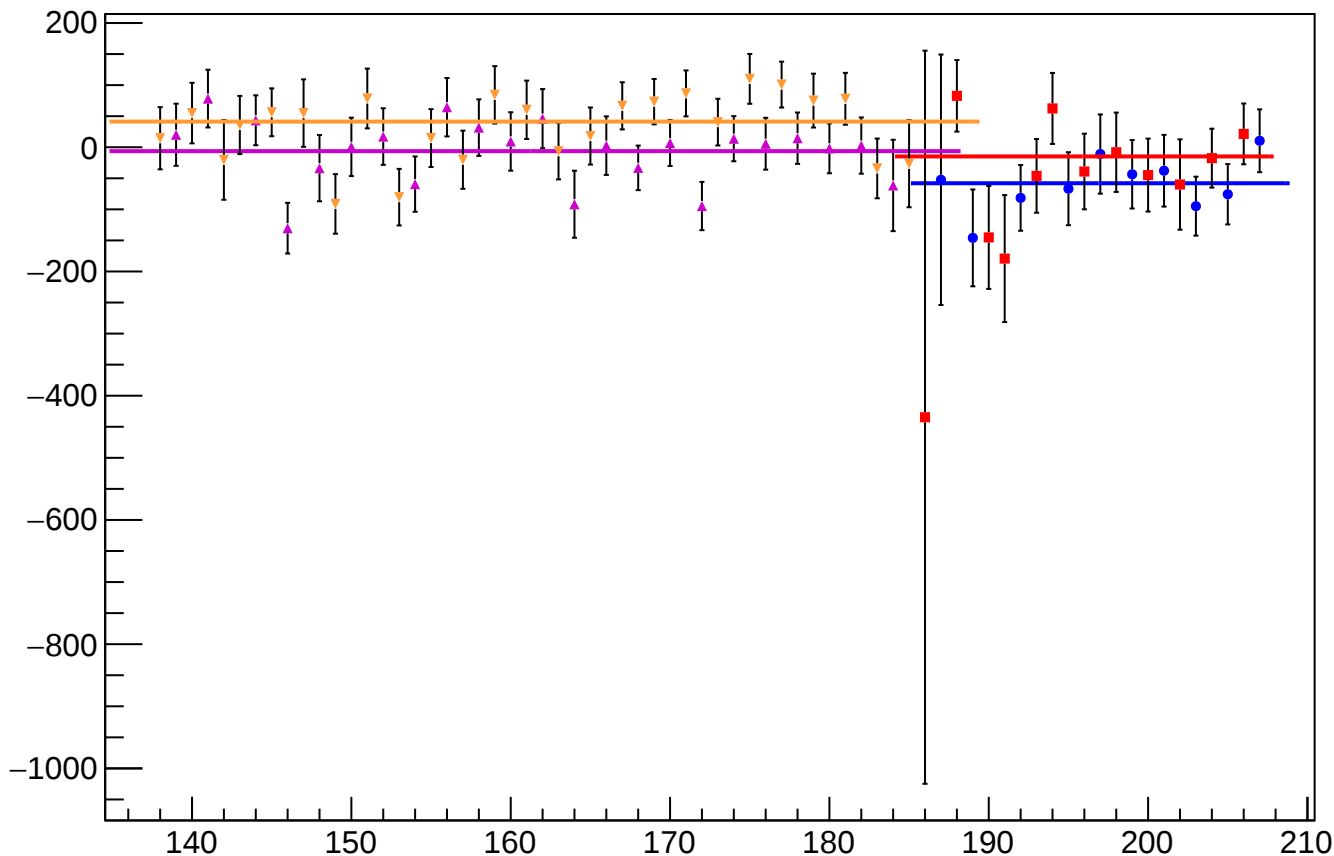
Left In: 336.439 $\pm$ 0.058 χ^2/NDF : 1269066.3/22

+ sign 366.112 $\pm$ 0.055 χ^2/NDF : 6797800.5/34

All: 367.763 $\pm$ 0.039 χ^2/NDF : 14615277.2/69

- sign 369.495 $\pm$ 0.057 χ^2/NDF : 7815642.1/34

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -57.963 ± 18.350 χ^2/NDF : 4.8/9

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -14.802 ± 18.280 χ^2/NDF : 11.9/11

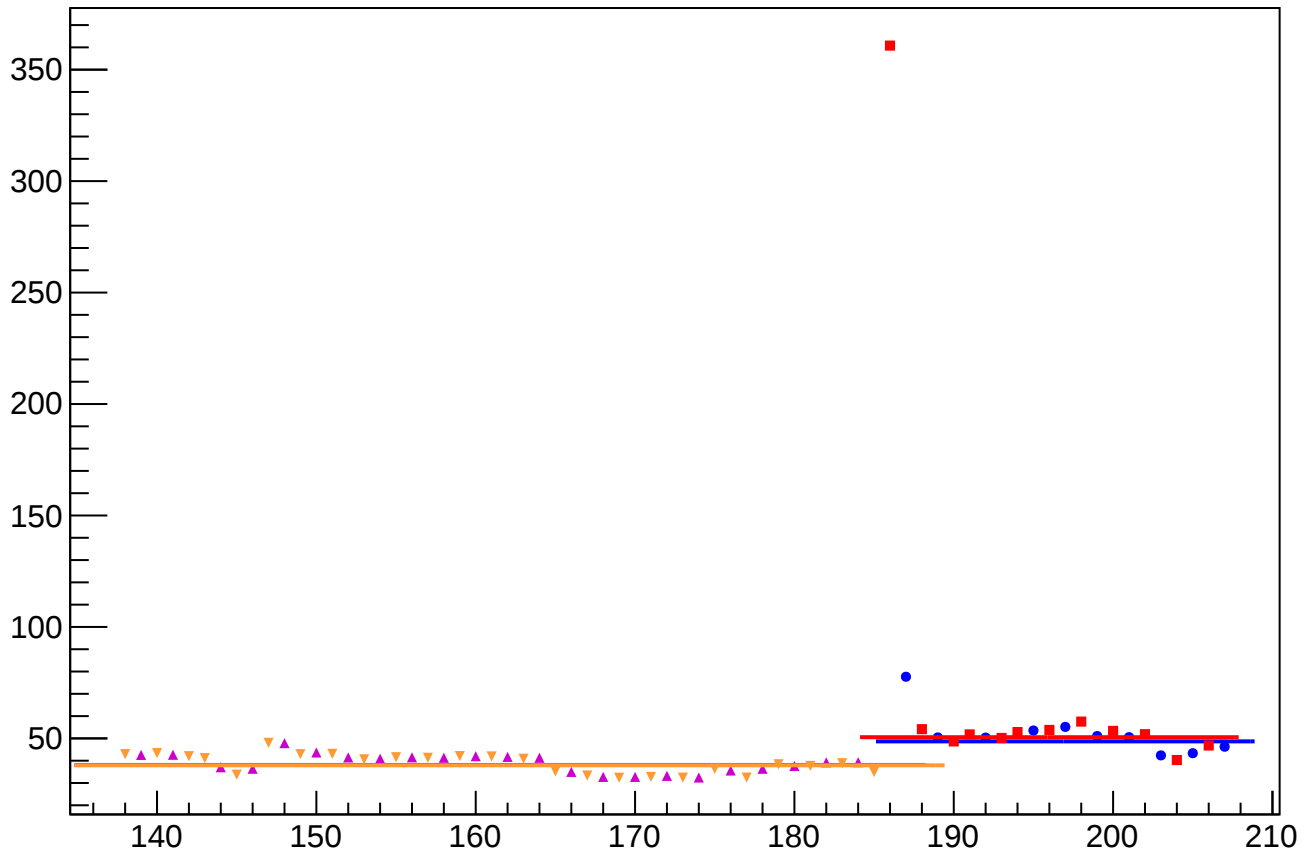
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 22.420 ± 8.000 χ^2/NDF : 62.9/34

All: 7.598 ± 5.726 χ^2/NDF : 112.3/69

- sign -7.974 ± 8.200 χ^2/NDF : 42.4/34

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 48.665 $\pm$ 0.013 χ^2 /NDF: 148348.3/9

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 50.538 $\pm$ 0.013 χ^2 /NDF: 705222.0/11

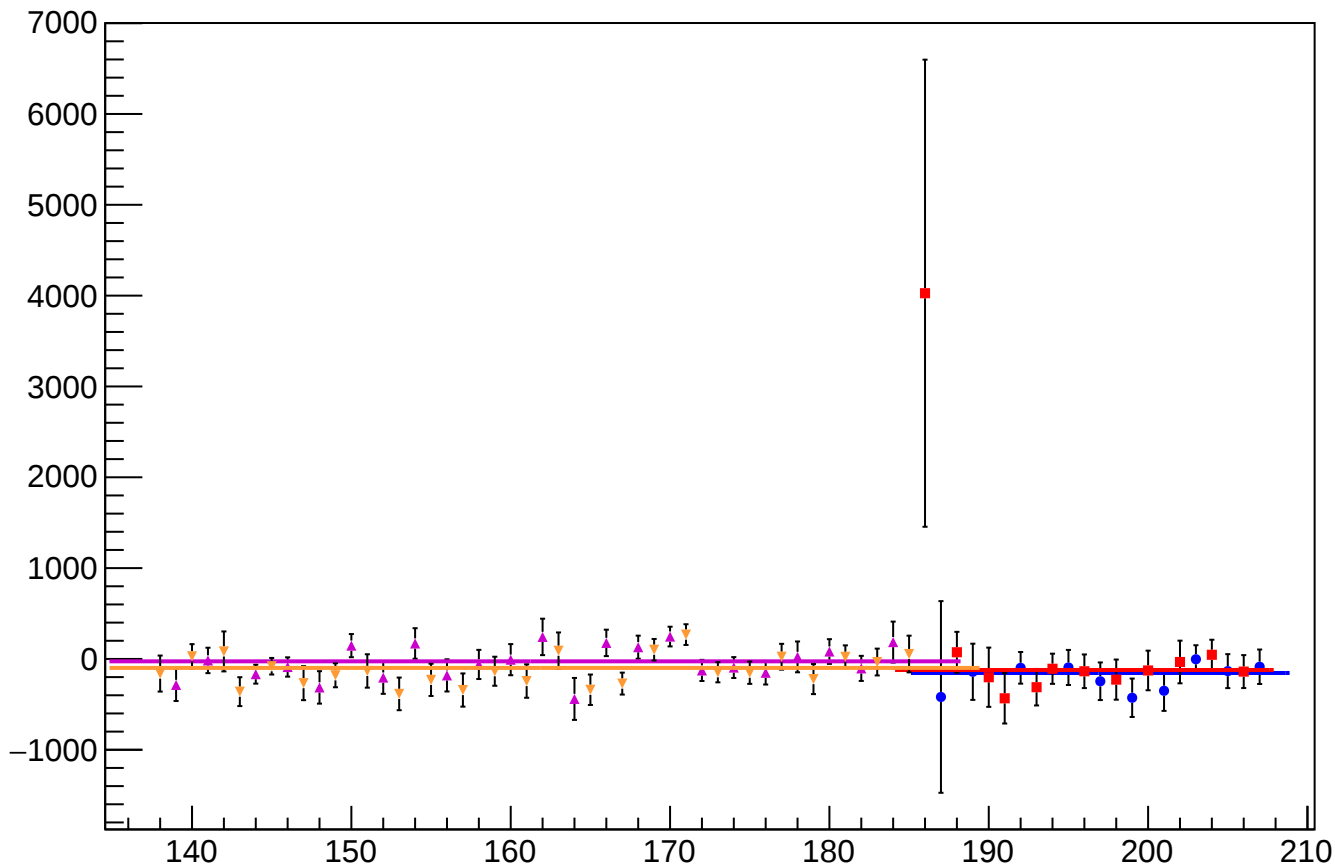
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 39.966 $\pm$ 0.006 χ^2 /NDF: 1190378.3/34

All: 40.272 $\pm$ 0.004 χ^2 /NDF: 3039004.7/69

- sign 40.592 $\pm$ 0.006 χ^2 /NDF: 1842654.8/34

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -154.530 ± 65.147 χ^2/NDF : 4.0/9

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -121.640 ± 62.136 χ^2/NDF : 7.0/11

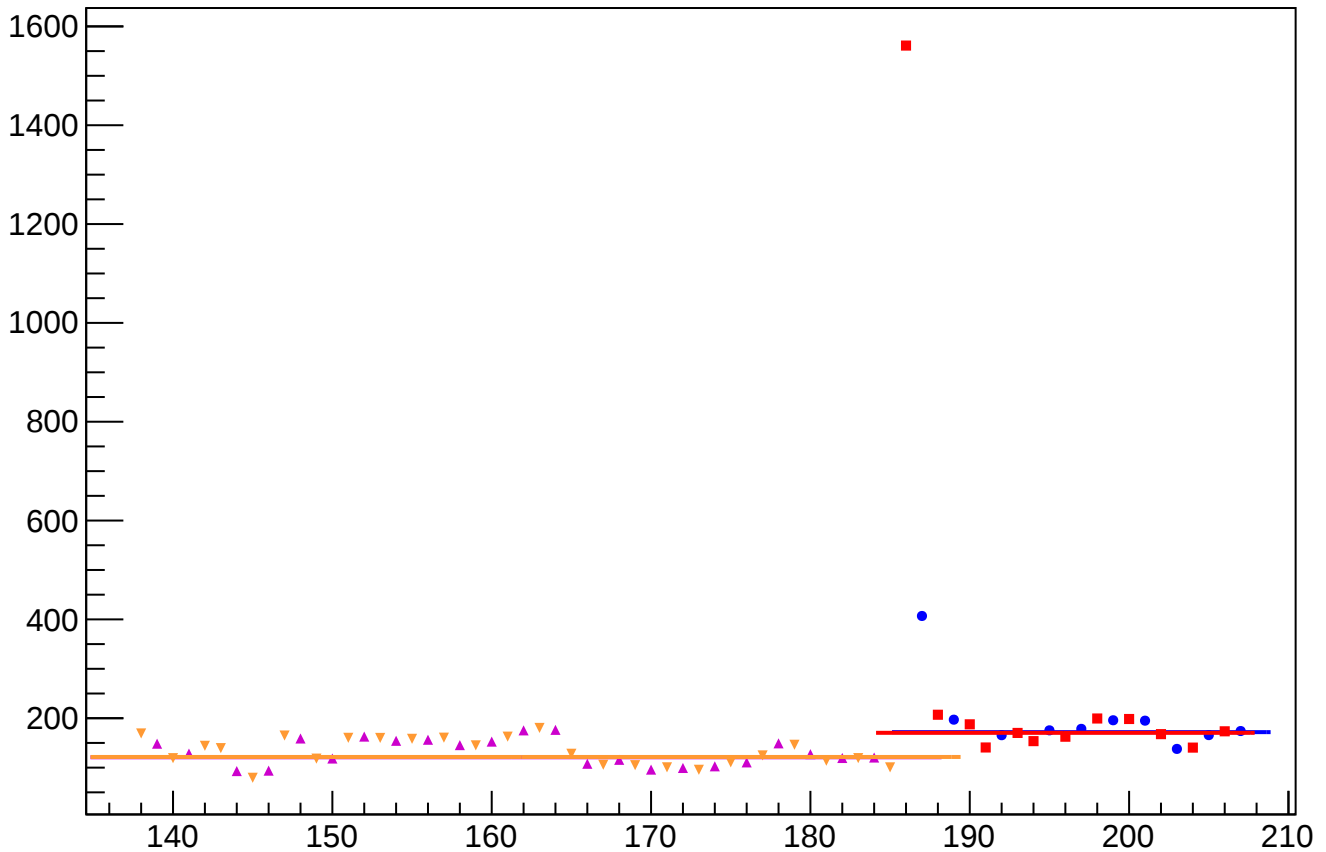
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -108.018 ± 26.566 χ^2/NDF : 37.4/34

All: -76.236 ± 18.860 χ^2/NDF : 79.8/69

- sign -43.944 ± 26.778 χ^2/NDF : 39.6/34

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 171.830 $\pm$ 0.046 χ^2/NDF : 264891.2/9

Left Out: 121.592 $\pm$ 0.021 χ^2/NDF : 1711423.9/24

Right Out: 170.461 $\pm$ 0.044 χ^2/NDF : 824206.0/11

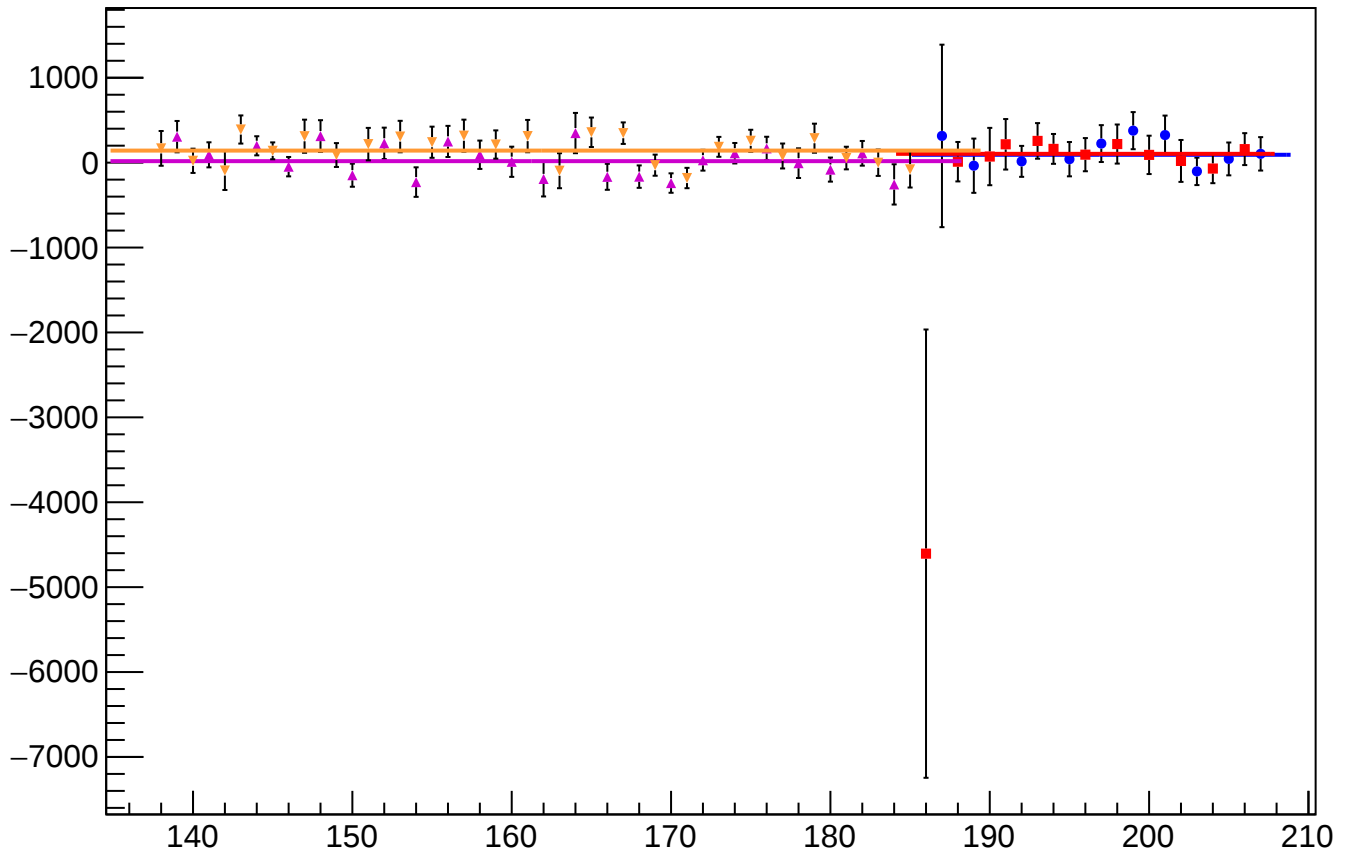
Left In: 120.927 $\pm$ 0.021 χ^2/NDF : 1382861.4/22

+ sign 129.946 $\pm$ 0.019 χ^2/NDF : 2967869.2/34

All: 130.036 $\pm$ 0.013 χ^2/NDF : 6209918.4/69

- sign 130.127 $\pm$ 0.019 χ^2/NDF : 3242003.3/34

asym_sam_37_26_dd_mean vs Slug



Right In: 92.638 $\pm$ 67.843 χ^2 /NDF: 5.1/9

Left Out: 142.014 $\pm$ 30.574 χ^2 /NDF: 26.9/24

Right Out: 103.790 $\pm$ 64.983 χ^2 /NDF: 5.6/11

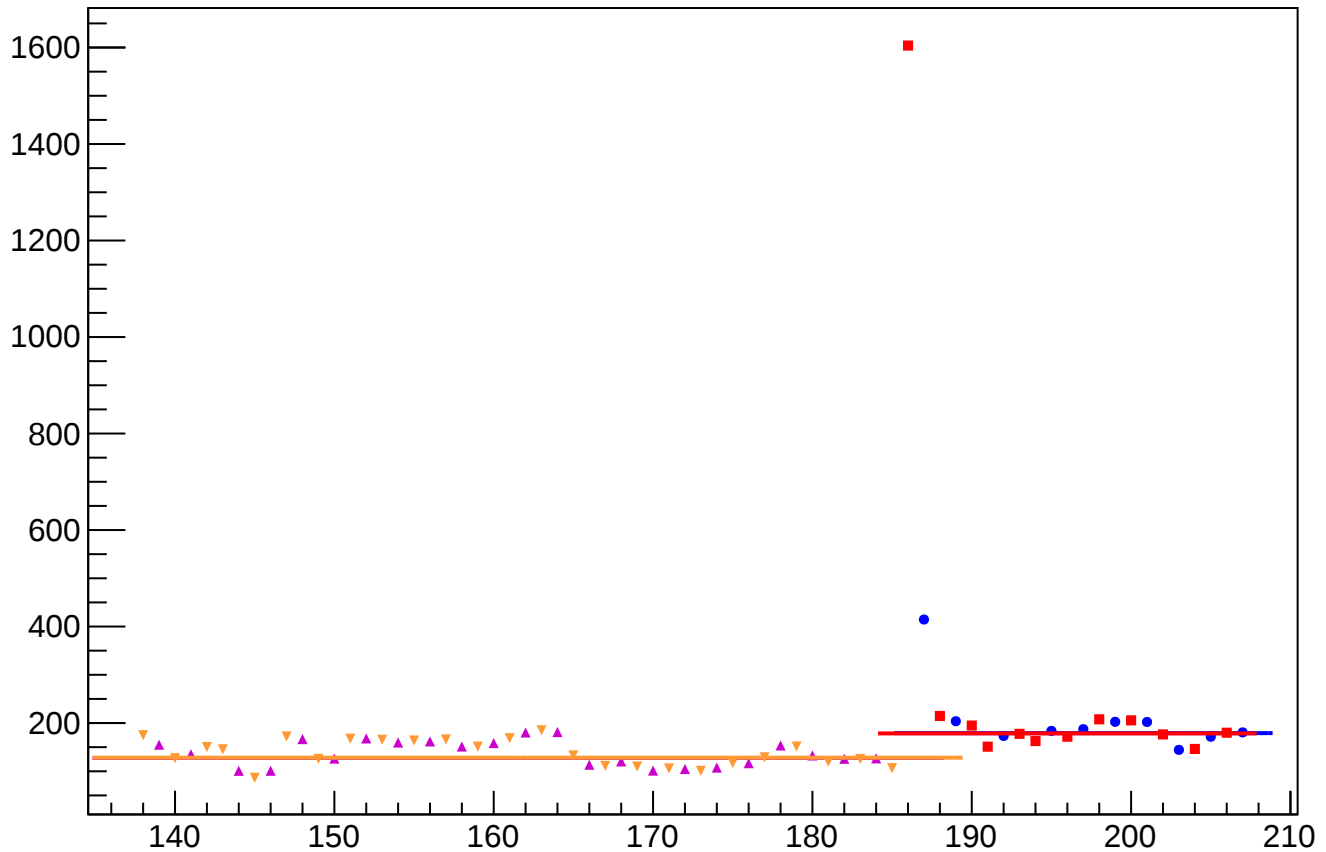
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 133.679 $\pm$ 27.874 χ^2 /NDF: 32.4/34

All: 84.209 $\pm$ 19.801 χ^2 /NDF: 75.9/69

- sign 33.818 $\pm$ 28.132 χ^2 /NDF: 37.2/34

asym_sam_37_26_dd_rms vs Slug



Right In: 179.082 $\pm$ 0.048 χ^2 /NDF: 252461.6/9

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF:1532922.0/24

Right Out: 178.509 $\pm$ 0.046 χ^2 /NDF: 802665.8/11

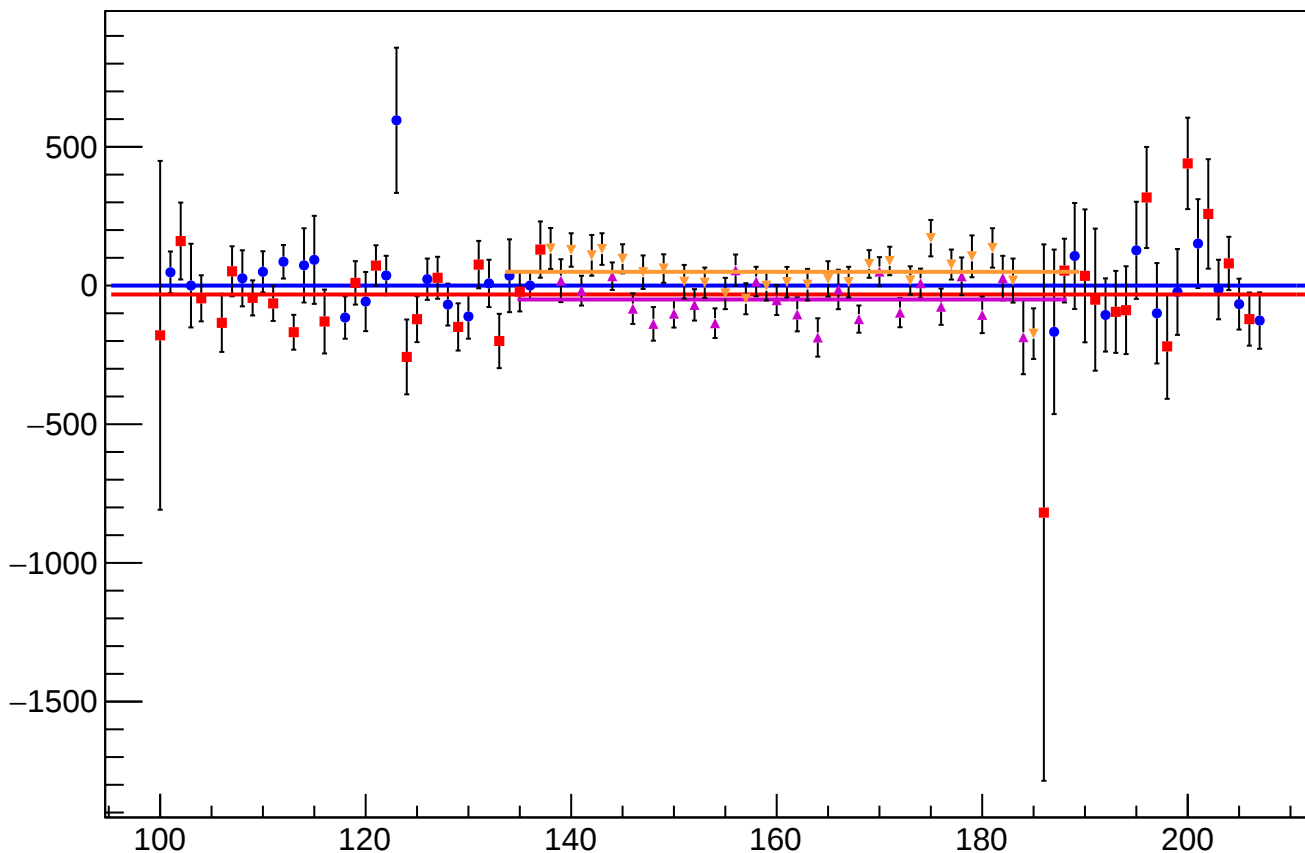
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 136.769 $\pm$ 0.020 χ^2 /NDF: 2721372.5/34

All: 136.931 $\pm$ 0.014 χ^2 /NDF: 5759519.5/69

- sign 137.096 $\pm$ 0.020 χ^2 /NDF: 3038010.8/34

reg_asym_sam_1357_avg_mean vs Slug



Right In: -0.135 +/- 18.268 χ^2/NDF : 19.6/26

Left Out: 49.402 +/- 11.806 χ^2/NDF : 28.1/24

Right Out: -32.245 +/- 17.750 χ^2/NDF : 44.3/30

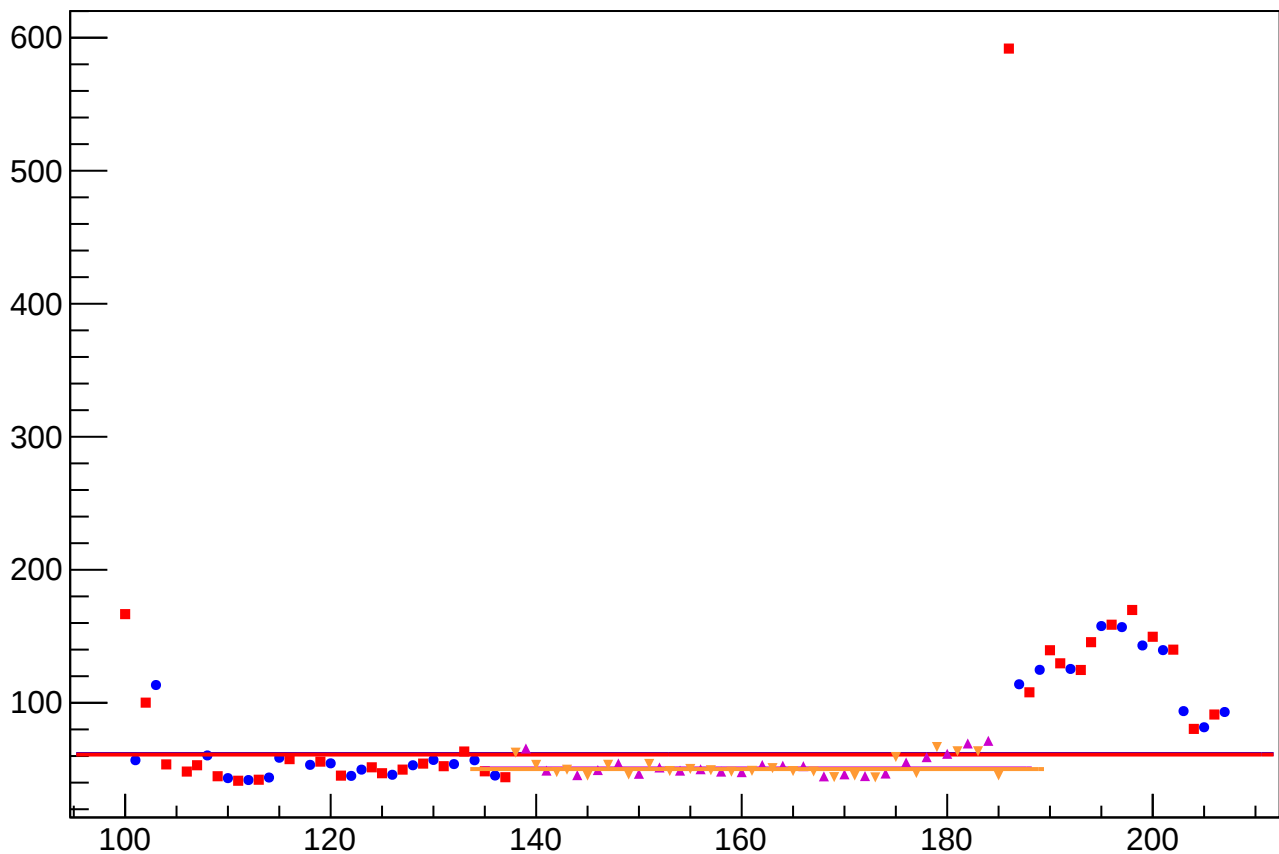
Left In: -50.331 +/- 12.253 χ^2/NDF : 32.2/22

+ sign 34.809 +/- 9.915 χ^2/NDF : 52.9/51

All: -4.174 +/- 7.070 χ^2/NDF : 161.5/105

- sign -44.494 +/- 10.084 χ^2/NDF : 77.2/53

reg_asym_sam_1357_avg_rms vs Slug



Right In: 61.529 $\pm$ 0.013 χ^2 /NDF: 4512393.8/26

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 61.120 $\pm$ 0.013 χ^2 /NDF: 5795355.3/30

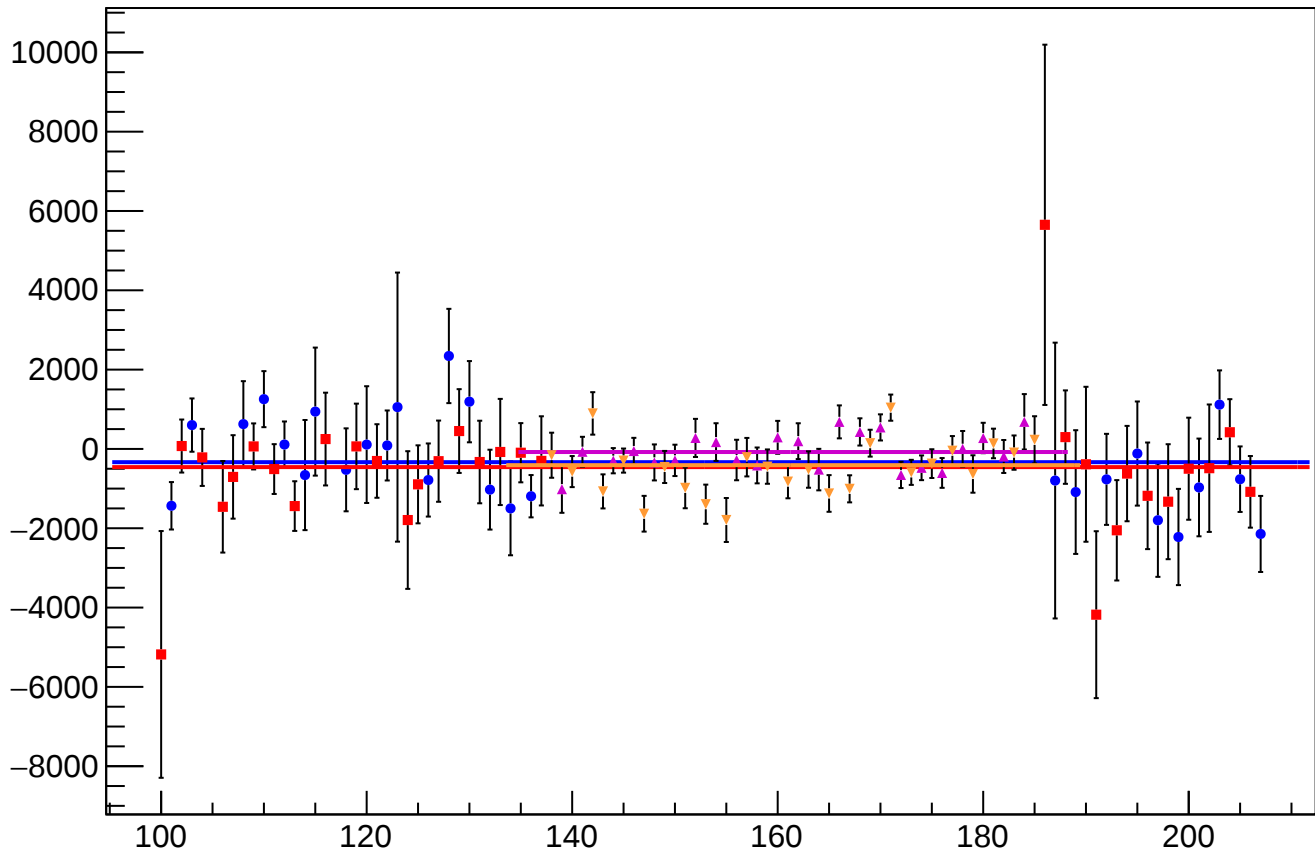
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 53.530 $\pm$ 0.007 χ^2 /NDF: 5523643.5/51

All: 53.786 $\pm$ 0.005 χ^2 /NDF: 12259349.6/105

- sign 54.052 $\pm$ 0.007 χ^2 /NDF: 6732983.0/53

asym_sam_1357_avg_correction_mean vs Slug



Right In: -334.131 $\pm$ 182.318 χ^2 /NDF: 35.3/26

Left Out: -409.164 $\pm$ 82.348 χ^2 /NDF: 61.7/24

Right Out: -458.458 $\pm$ 178.803 χ^2 /NDF: 18.9/30

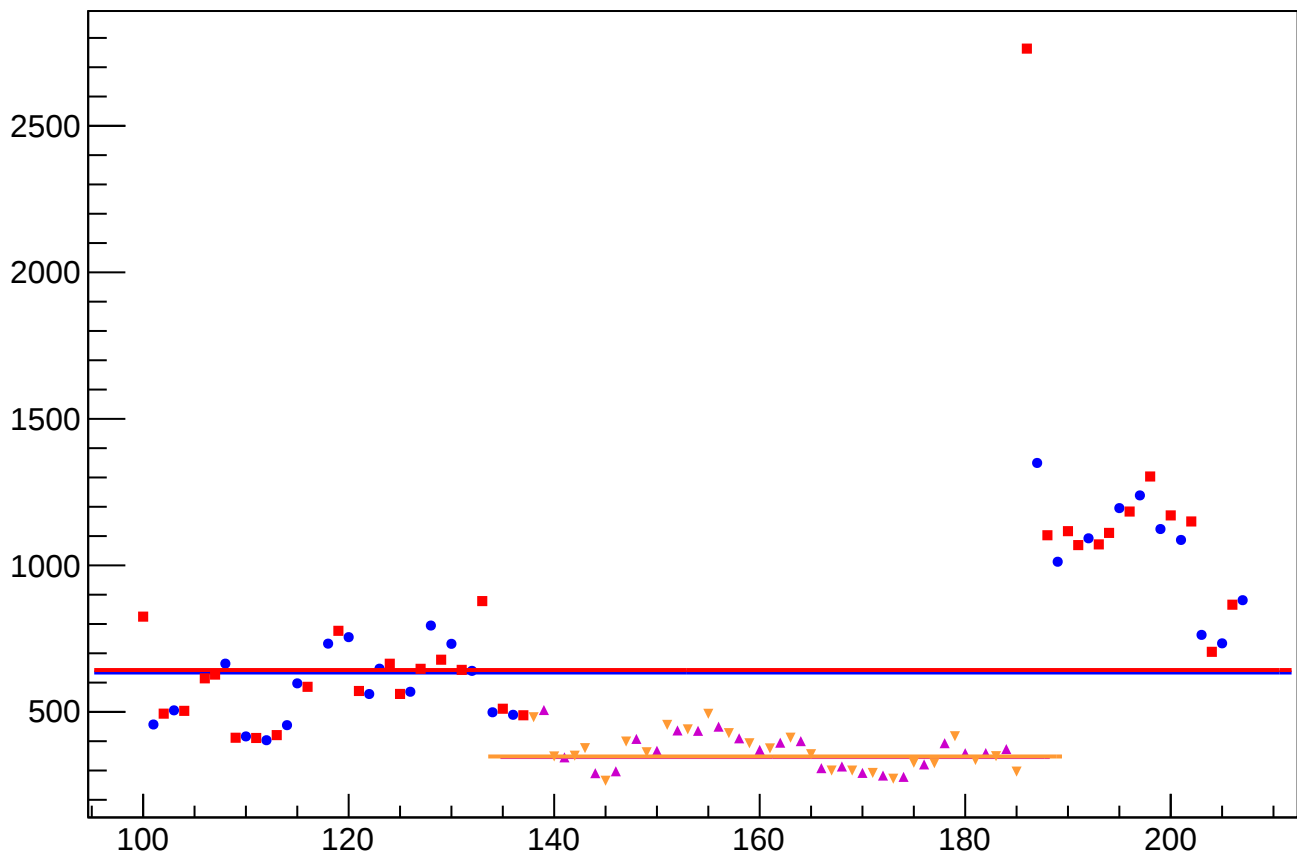
Left In: -77.872 $\pm$ 84.072 χ^2 /NDF: 24.8/22

+ sign -396.450 $\pm$ 75.048 χ^2 /NDF: 97.1/51

All: -273.322 $\pm$ 53.429 χ^2 /NDF: 150.0/105

- sign -146.779 $\pm$ 76.082 χ^2 /NDF: 47.4/53

asym_sam_1357_avg_correction_rms vs Slug



Right In: 634.425 ± 0.129 $\chi^2/\text{NDF}: 3120119.6/26$

Left Out: 347.875 ± 0.058 $\chi^2/\text{NDF}: 1044096.7/24$

Right Out: 642.873 ± 0.126 $\chi^2/\text{NDF}: 4130612.7/30$

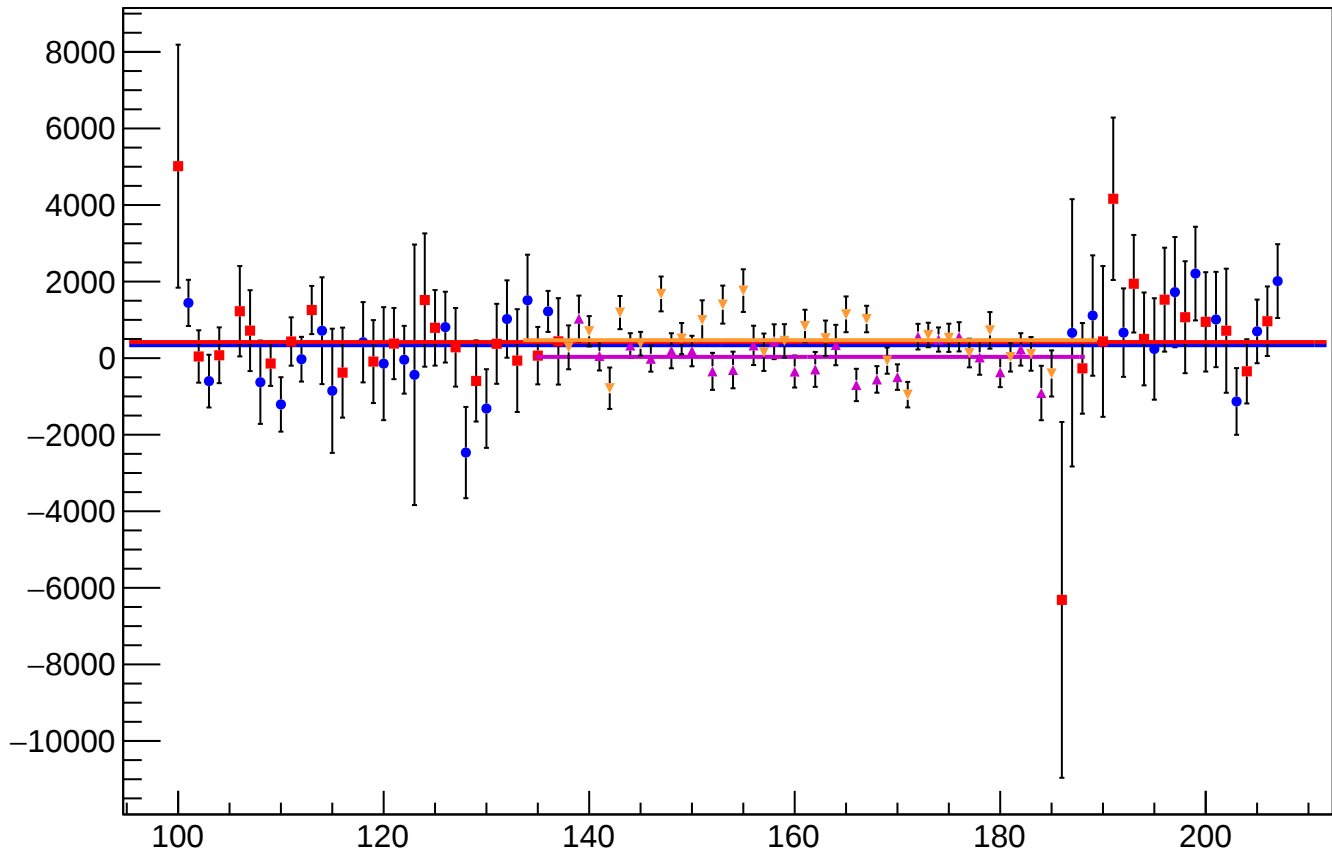
Left In: 345.954 ± 0.059 $\chi^2/\text{NDF}: 900847.0/22$

+ sign 396.429 ± 0.053 $\chi^2/\text{NDF}: 8267595.1/51$

All: 398.048 ± 0.038 $\chi^2/\text{NDF}: 17817554.2/10$

- sign 399.713 ± 0.054 $\chi^2/\text{NDF}: 9548070.2/53$

asym_sam_1357_avg_mean vs Slug



Right In: 338.064 ± 183.625 χ^2/NDF : 34.6/26

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 420.650 ± 180.178 χ^2/NDF : 17.6/30

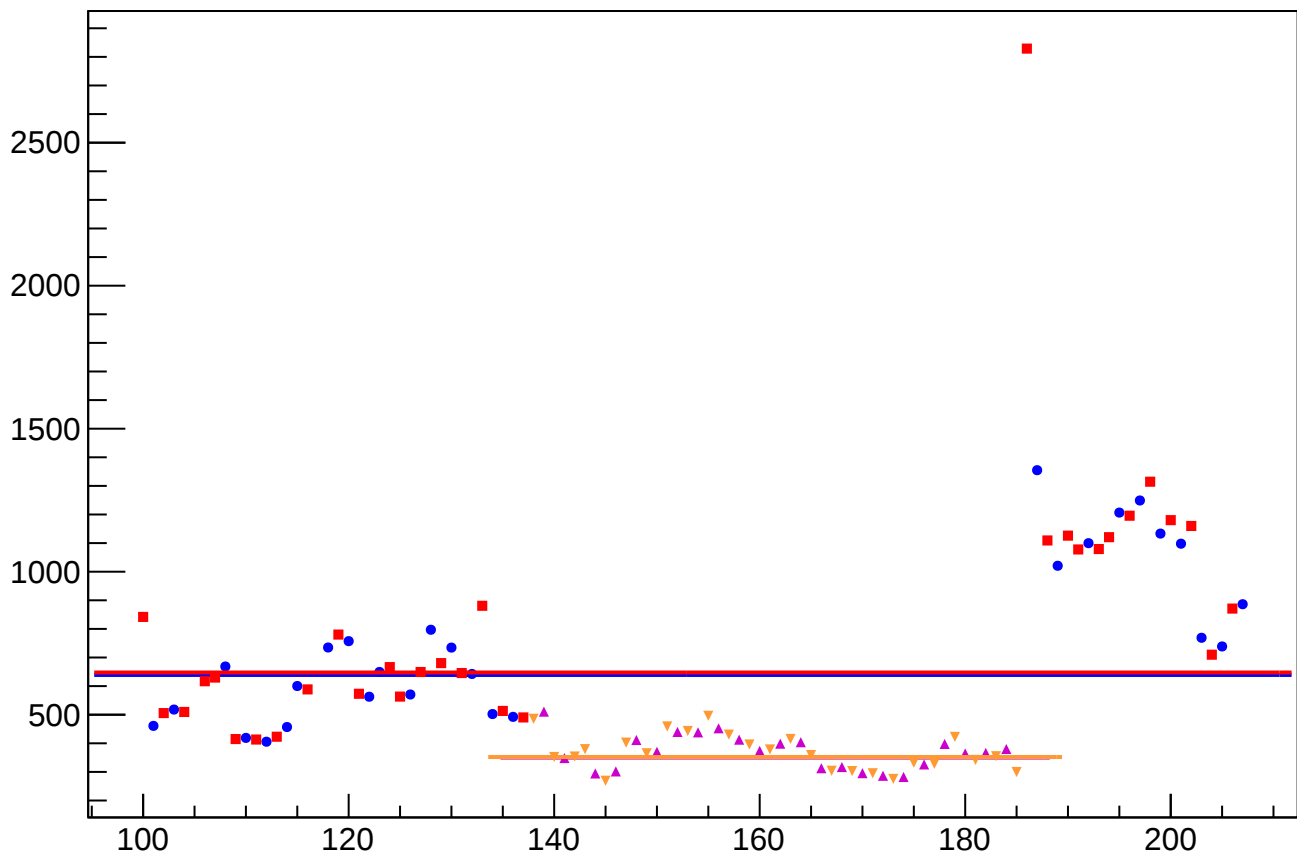
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 446.542 ± 75.856 χ^2/NDF : 92.5/51

All: 277.410 ± 54.011 χ^2/NDF : 149.6/105

- sign 103.491 ± 76.922 χ^2/NDF : 47.1/53

asym_sam_1357_avg_rms vs Slug



Right In: 639.038+/-0.130 χ^2/NDF : 3116124.7/26

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 647.559+/-0.127 χ^2/NDF : 4131875.9/30

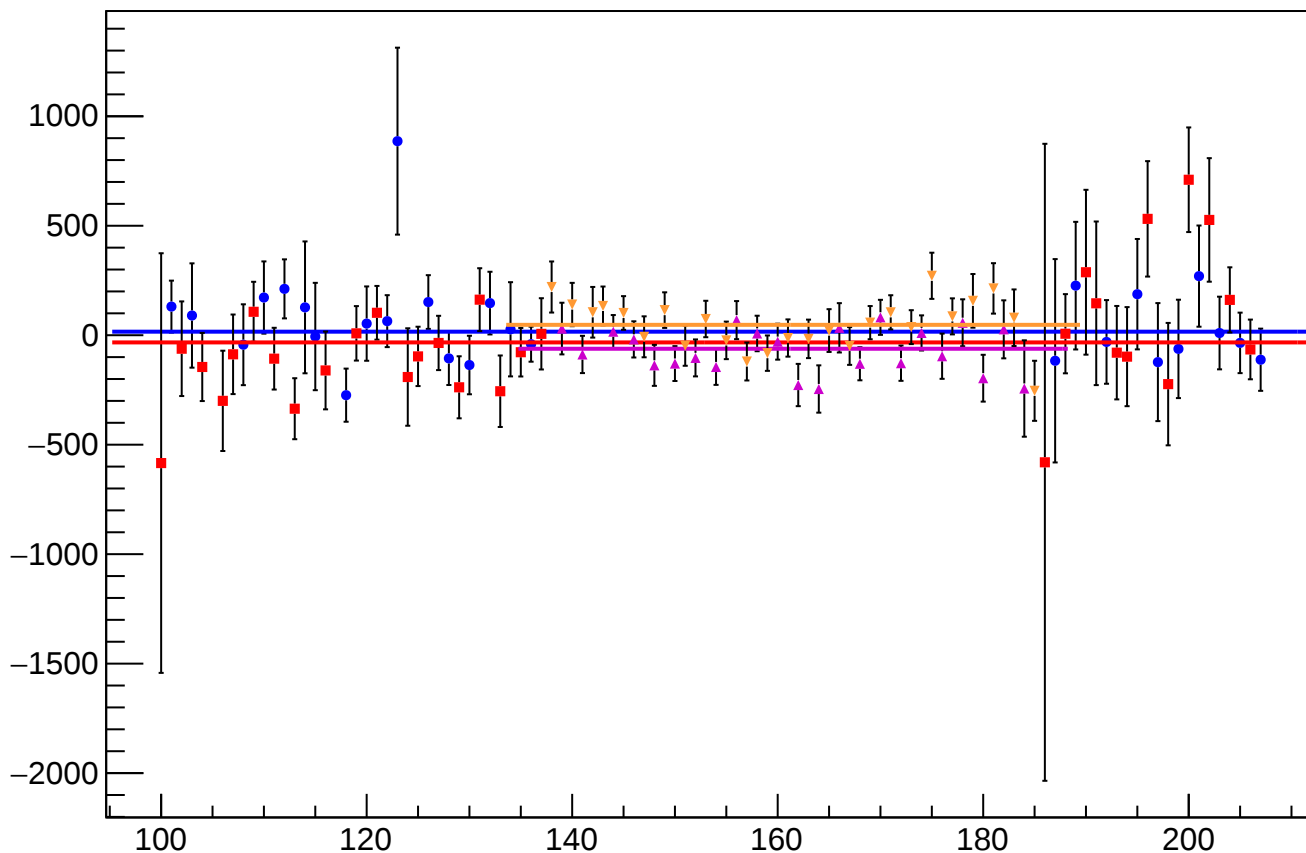
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 400.996+/-0.054 χ^2/NDF : 8185952.3/51

All: 402.657+/-0.038 χ^2/NDF : 17653897.4/10

- sign 404.365+/-0.054 χ^2/NDF : 9466000.2/53

reg_asym_sam_2468_avg_mean vs Slug



Right In: 16.184 ± 30.378 $\chi^2/\text{NDF}: 22.9/26$

Left Out: 47.426 ± 18.253 $\chi^2/\text{NDF}: 29.4/24$

Right Out: -32.866 ± 30.590 $\chi^2/\text{NDF}: 38.6/30$

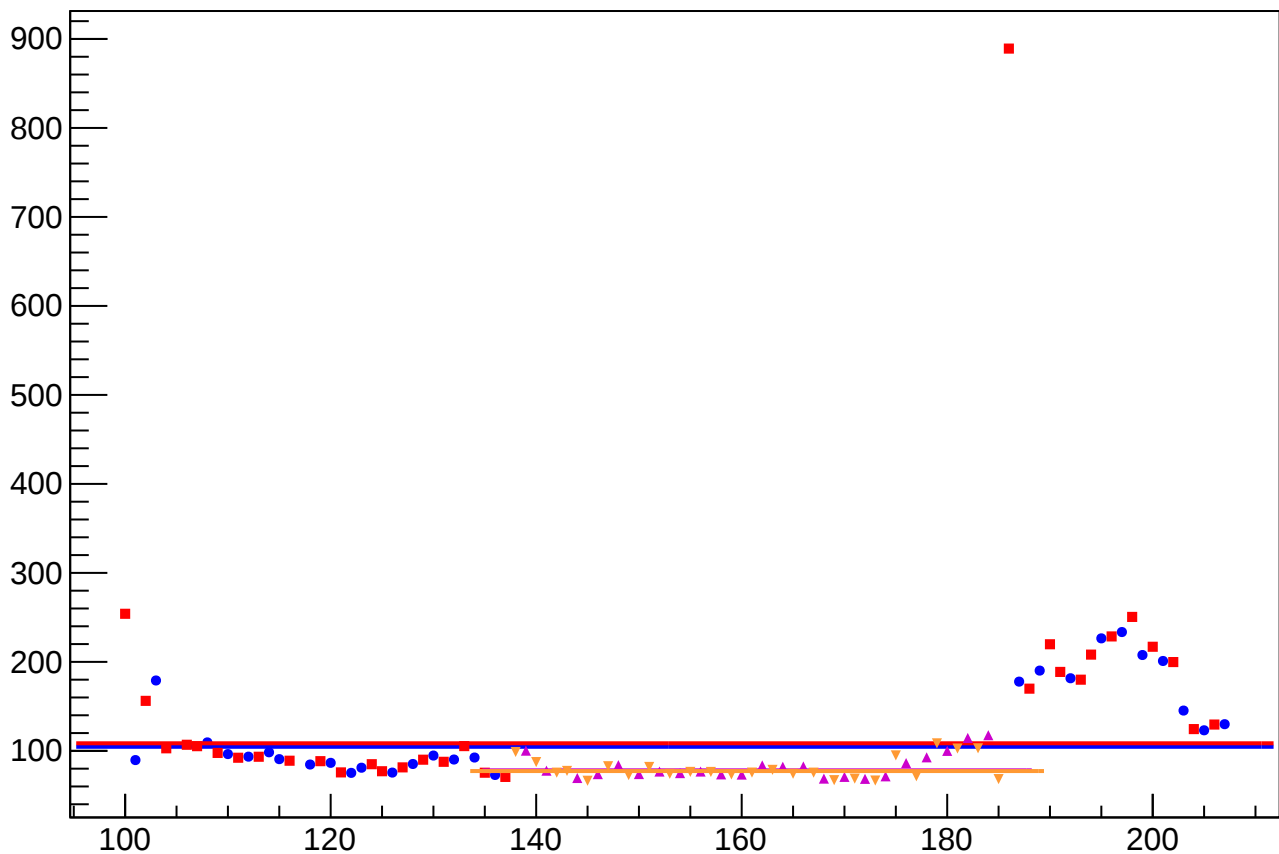
Left In: -61.830 ± 18.958 $\chi^2/\text{NDF}: 24.0/22$

+ sign 39.139 ± 15.646 $\chi^2/\text{NDF}: 53.1/51$

All: -5.957 ± 11.225 $\chi^2/\text{NDF}: 133.4/105$

- sign -53.792 ± 16.114 $\chi^2/\text{NDF}: 63.3/53$

reg_asym_sam_2468_avg_rms vs Slug



Right In: 104.592 $\pm$ 0.021 χ^2 /NDF: 3434441.3/26

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF: 635622.3/24

Right Out: 108.524 $\pm$ 0.022 χ^2 /NDF: 4324658.8/30

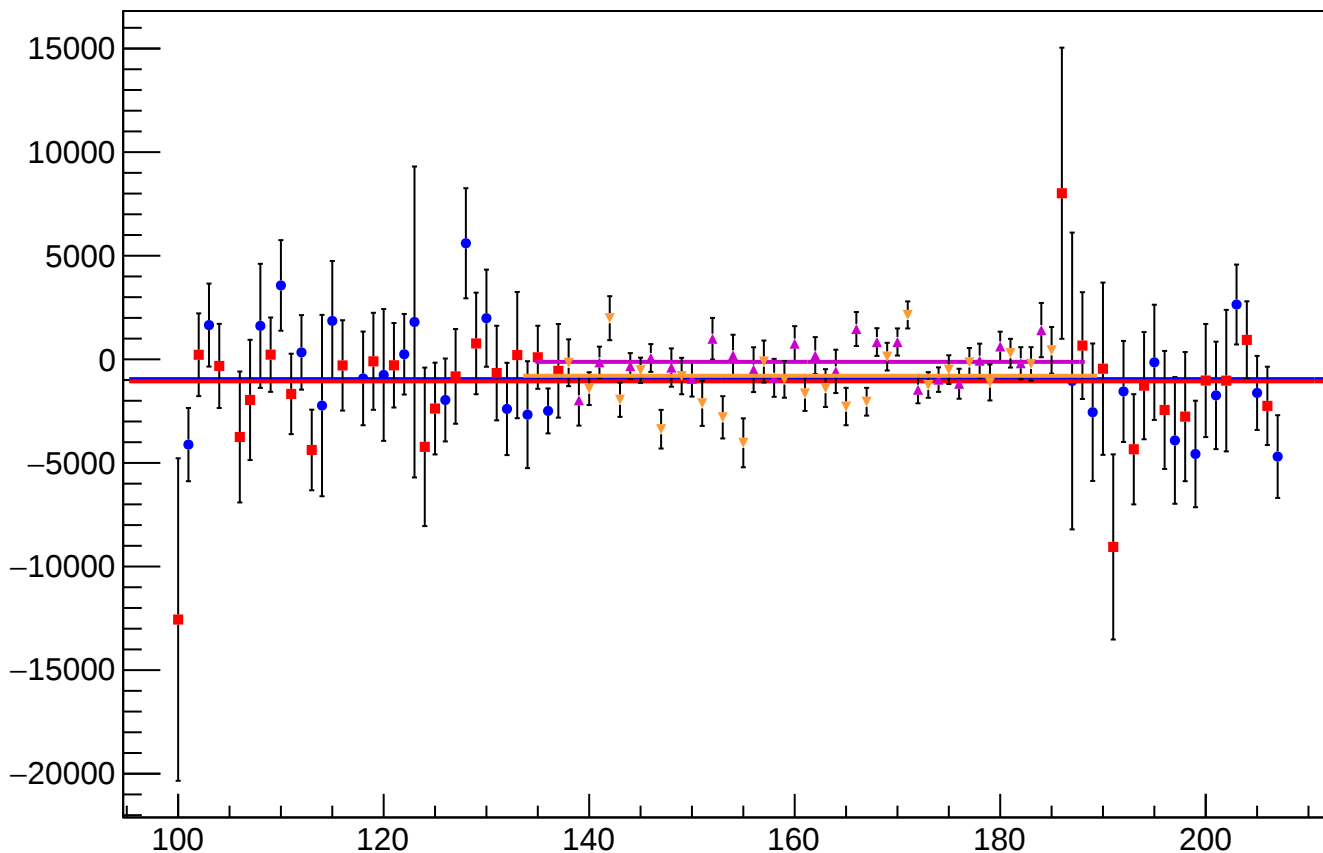
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

+ sign 84.551 $\pm$ 0.011 χ^2 /NDF: 5254720.4/51

All: 85.531 $\pm$ 0.008 χ^2 /NDF: 11603424.9/105

- sign 86.571 $\pm$ 0.011 χ^2 /NDF: 6332538.1/53

asym_sam_2468_avg_correction_mean vs Slug



Right In: -956.279 ± 431.476 χ^2/NDF : 33.3/26

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1062.708 ± 432.642 χ^2/NDF : 18.9/30

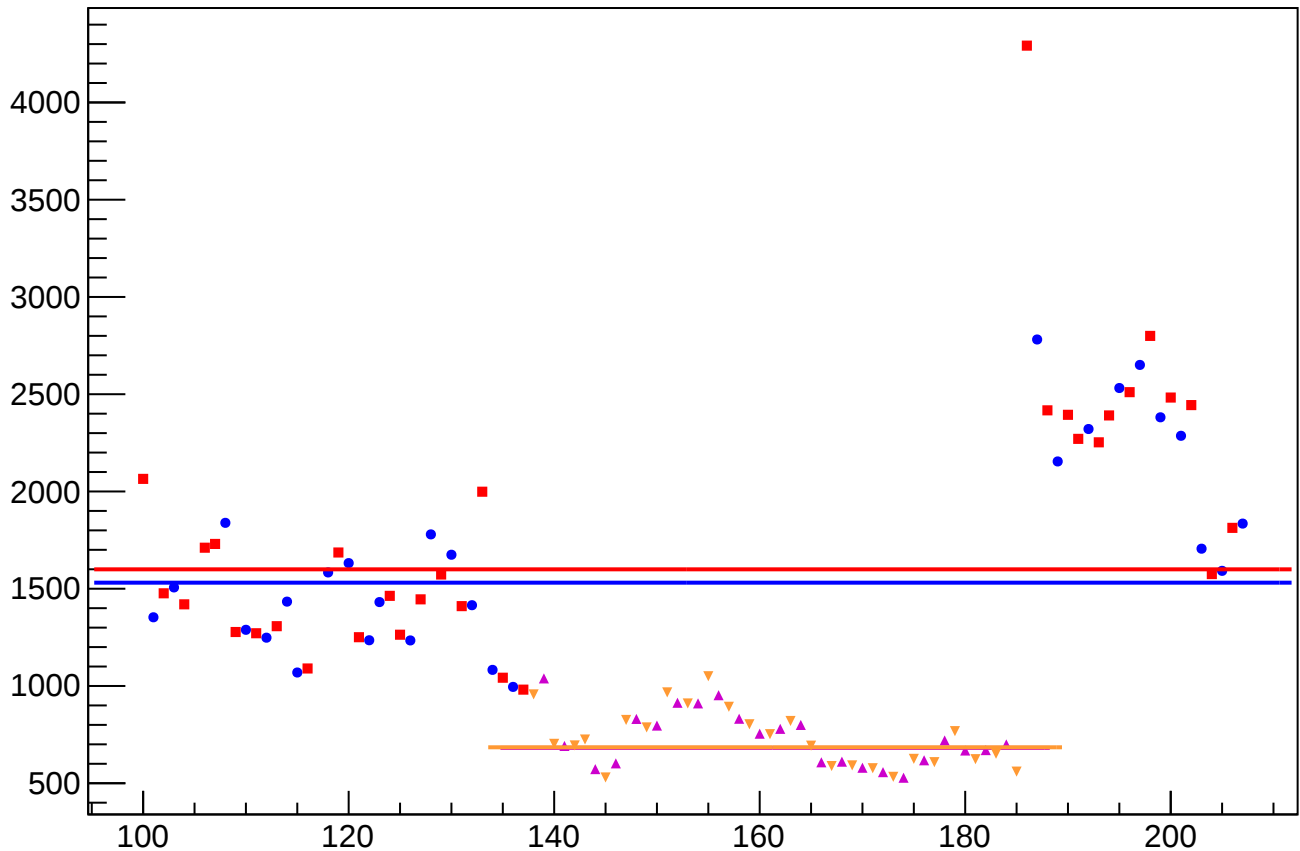
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -813.121 ± 152.203 χ^2/NDF : 100.0/51

All: -533.576 ± 108.647 χ^2/NDF : 155.8/105

- sign -243.134 ± 155.141 χ^2/NDF : 48.9/53

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1531.111 $\pm$ 0.305 χ^2 /NDF: 2163158.8/26

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF:1280146.2/24

+ sign 790.095 $\pm$ 0.108 χ^2 /NDF: 10180548.5/51

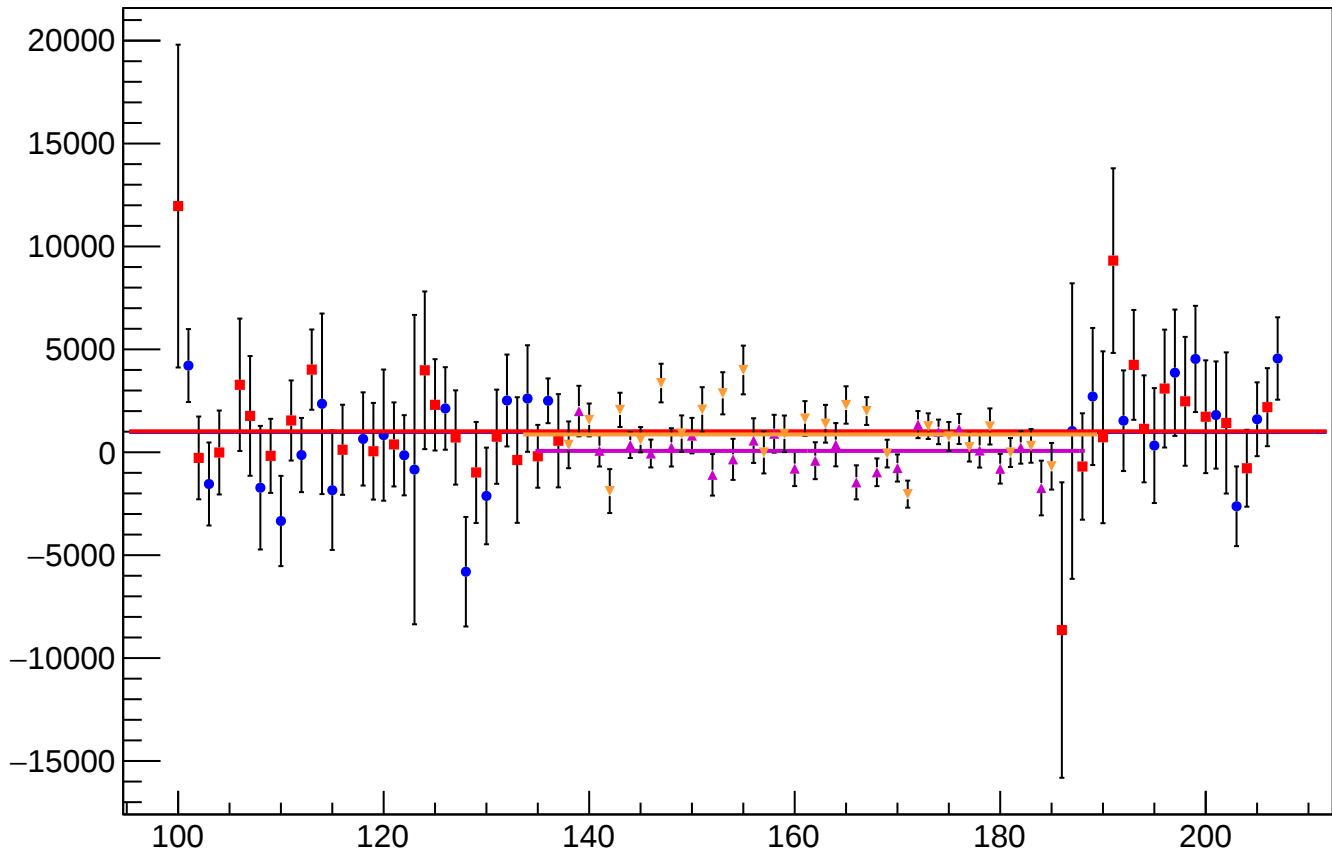
Right Out: 1599.705 $\pm$ 0.306 χ^2 /NDF: 2677077.9/30

All: 794.832 $\pm$ 0.077 χ^2 /NDF: 21827717.4/10

Left In: 681.712 $\pm$ 0.118 χ^2 /NDF:1119637.0/22

- sign 799.754 $\pm$ 0.110 χ^2 /NDF: 11643218.9/53

asym_sam_2468_avg_mean vs Slug



Right In: 989.785 ± 432.809 χ^2/NDF : 32.9/26

Left Out: 865.597 ± 163.885 χ^2/NDF : 62.8/24

Right Out: 1016.421 ± 434.141 χ^2/NDF : 18.3/30

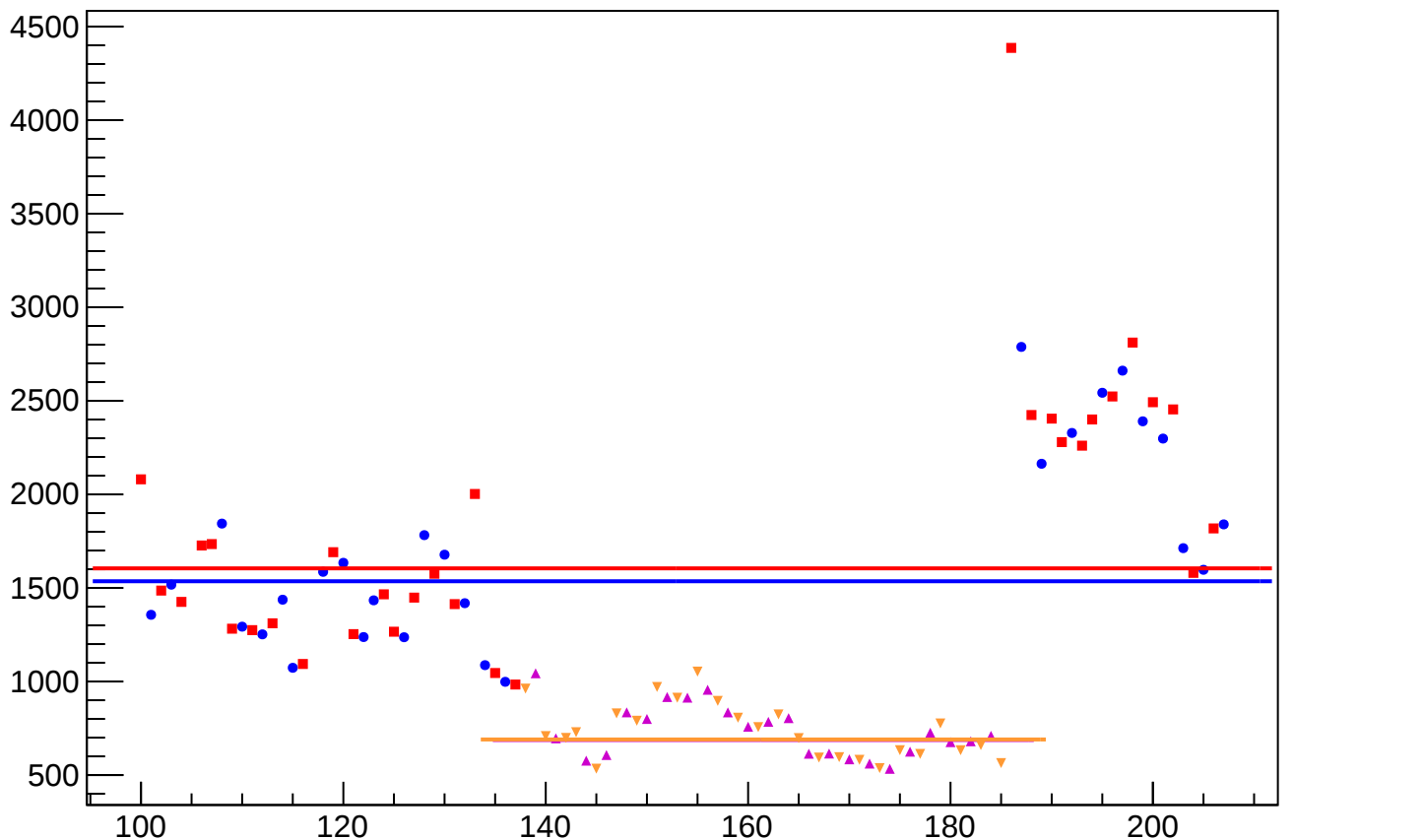
Left In: 65.924 ± 167.485 χ^2/NDF : 26.4/22

+ sign 881.170 ± 153.266 χ^2/NDF : 95.8/51

All: 541.809 ± 109.418 χ^2/NDF : 154.6/105

- sign 189.060 ± 156.260 χ^2/NDF : 48.9/53

asym_sam_2468_avg_rms vs Slug



Right In: 1535.726 $\pm$ 0.306 χ^2 /NDF: 2167400.7/26

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF:1258158.2/24

Right Out: 1604.596 $\pm$ 0.307 χ^2 /NDF: 2689664.2/30

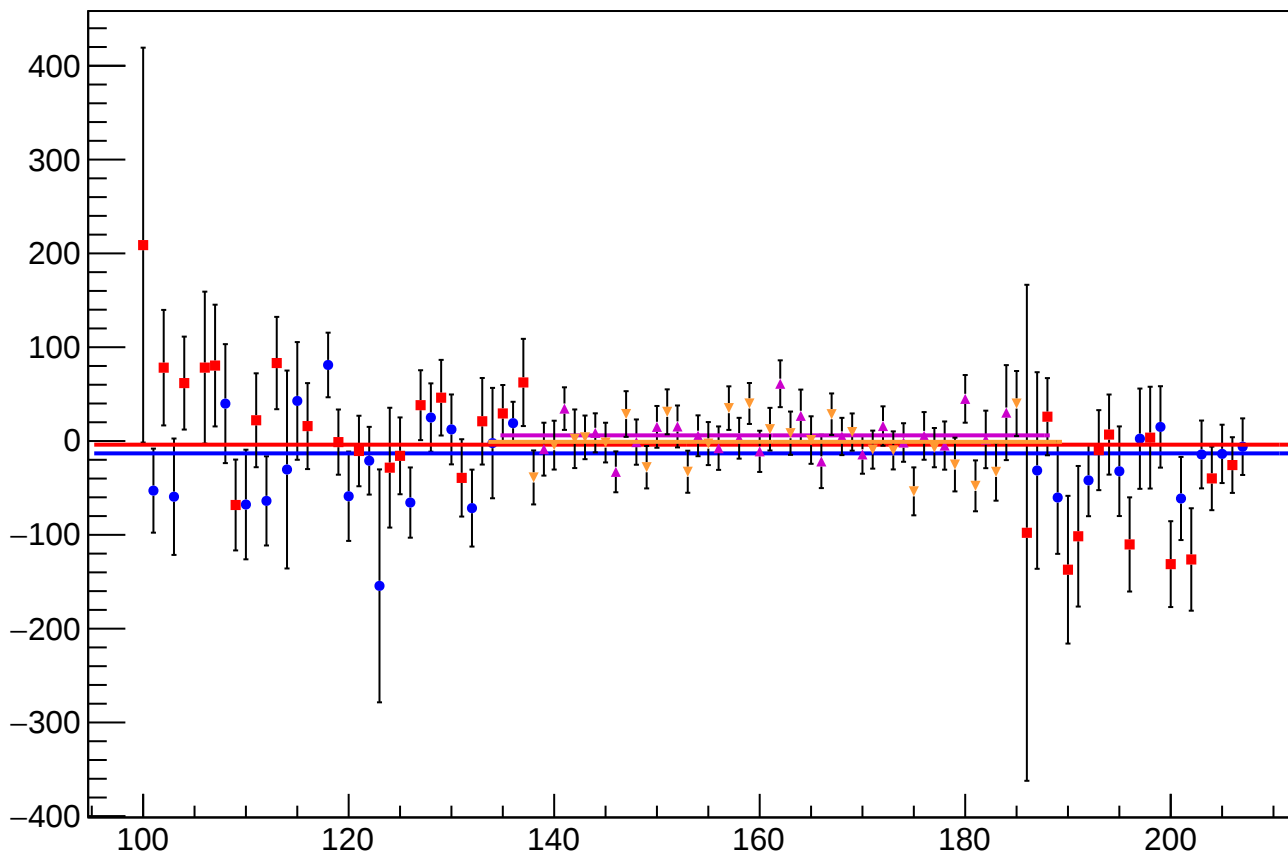
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF:1099706.1/22

+ sign 796.199 $\pm$ 0.108 χ^2 /NDF: 10101841.1/51

All: 801.035 $\pm$ 0.077 χ^2 /NDF: 21668693.5/10

- sign 806.062 $\pm$ 0.110 χ^2 /NDF: 11562791.7/53

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -13.166 ± 8.169 χ^2/NDF : 25.3/26

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -3.886 ± 8.242 χ^2/NDF : 44.2/30

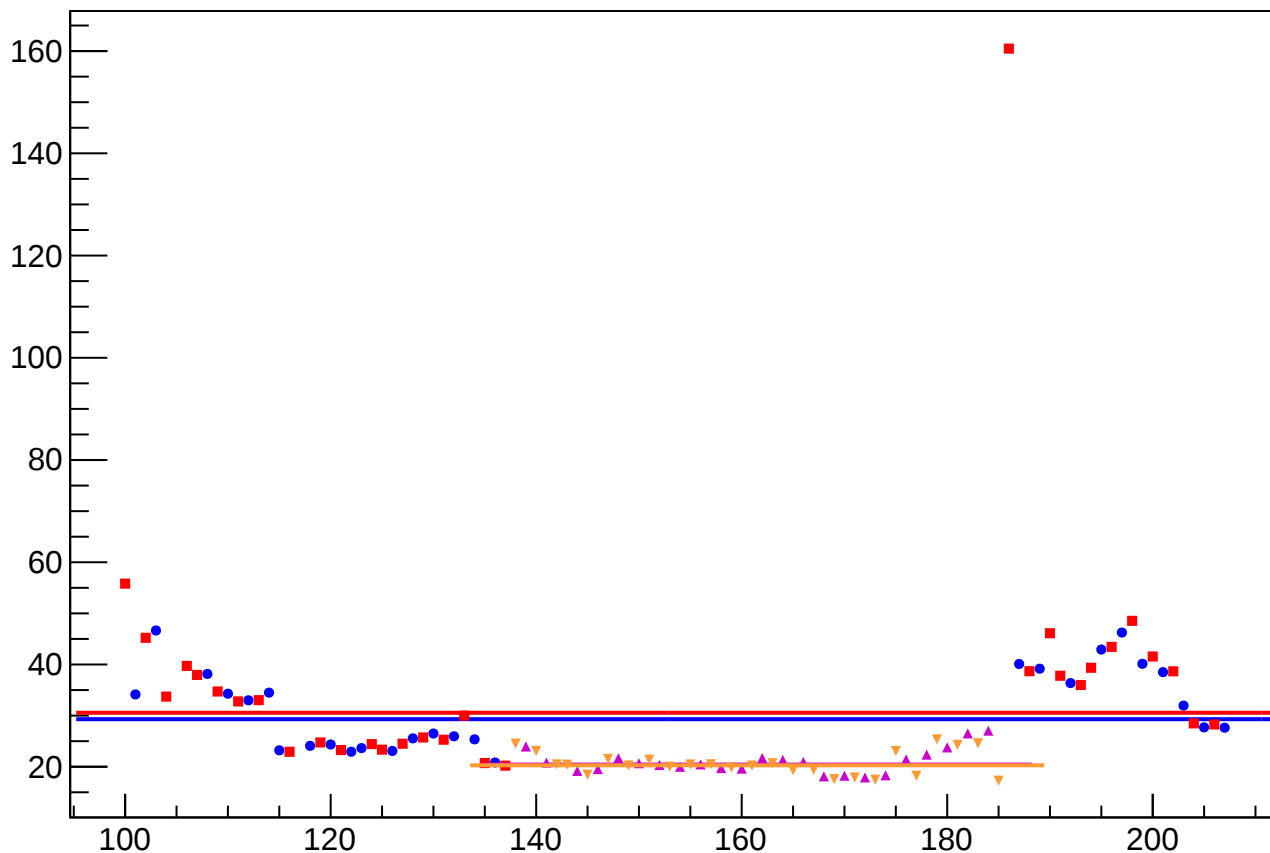
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.980 ± 4.113 χ^2/NDF : 54.9/51

All: -0.378 ± 2.948 χ^2/NDF : 118.7/105

- sign 3.429 ± 4.228 χ^2/NDF : 62.2/53

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.300+/-0.006 χ^2/NDF : 1530648.6/26

Left Out: 20.279+/-0.003 χ^2/NDF : 407056.4/24

Right Out: 30.559+/-0.006 χ^2/NDF : 2223531.7/30

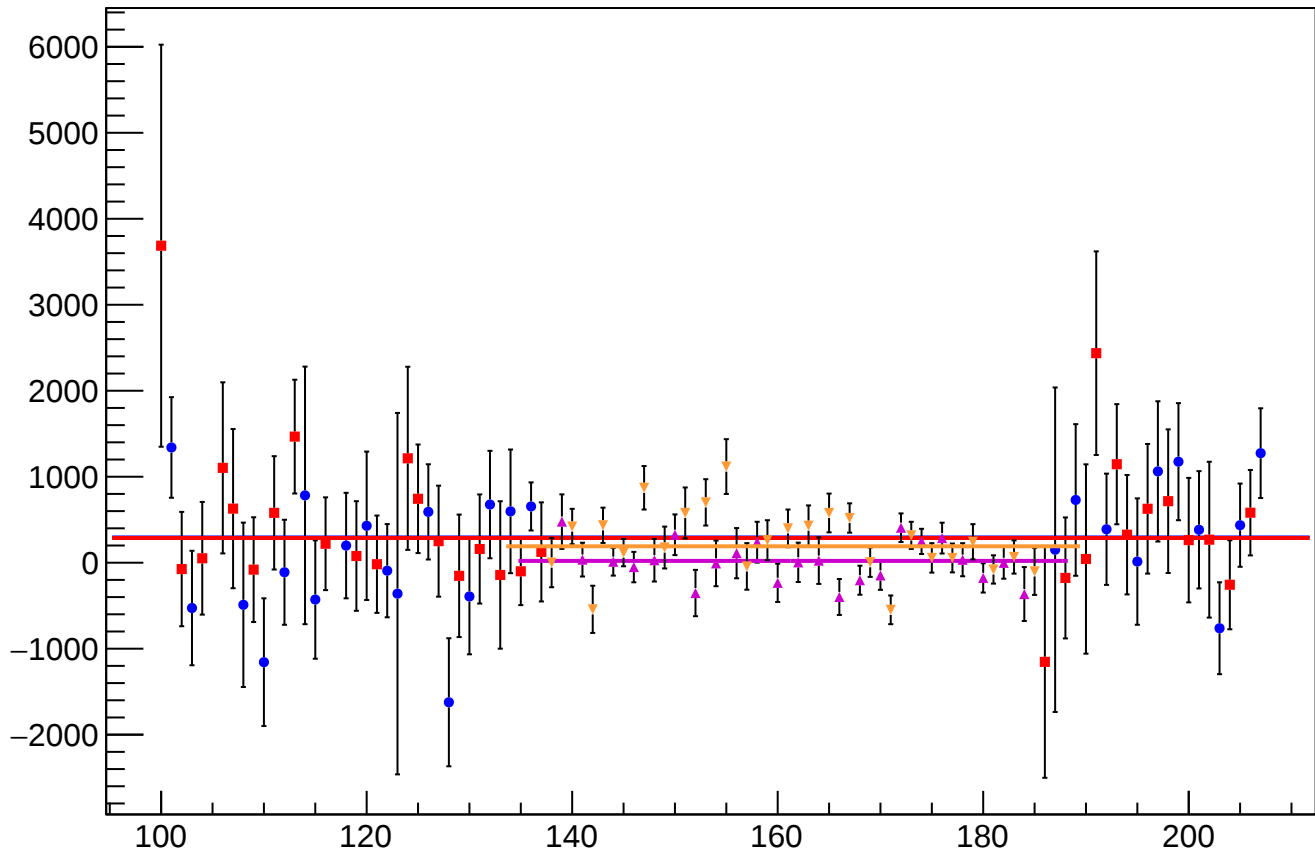
Left In: 20.424+/-0.003 χ^2/NDF : 323427.4/22

+ sign 22.566+/-0.003 χ^2/NDF : 3758251.4/51

All: 22.821+/-0.002 χ^2/NDF : 8549837.4/105

- sign 23.091+/-0.003 χ^2/NDF : 4775738.3/53

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 293.378 $\pm$ 120.742 χ^2 /NDF: 32.2/26

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: 287.571 $\pm$ 122.479 χ^2 /NDF: 18.9/30

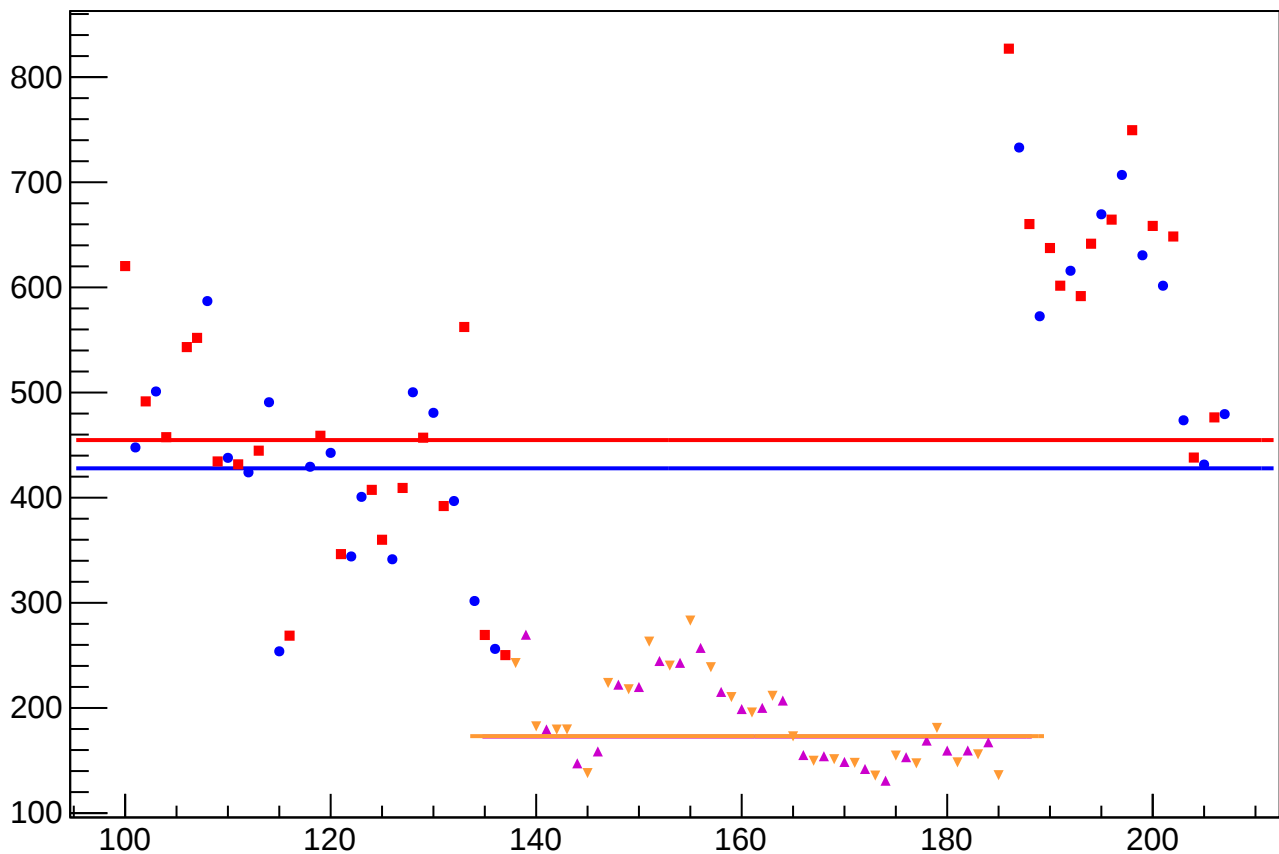
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

+ sign 201.611 $\pm$ 39.089 χ^2 /NDF: 100.7/51

All: 127.208 $\pm$ 27.948 χ^2 /NDF: 158.9/105

- sign 49.395 $\pm$ 39.975 χ^2 /NDF: 50.8/53

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 427.929+/-0.085 χ^2/NDF : 2230440.9/26

Left Out: 173.210+/-0.029 χ^2/NDF : 1561250.6/24

Right Out: 454.795+/-0.087 χ^2/NDF : 2466125.9/30

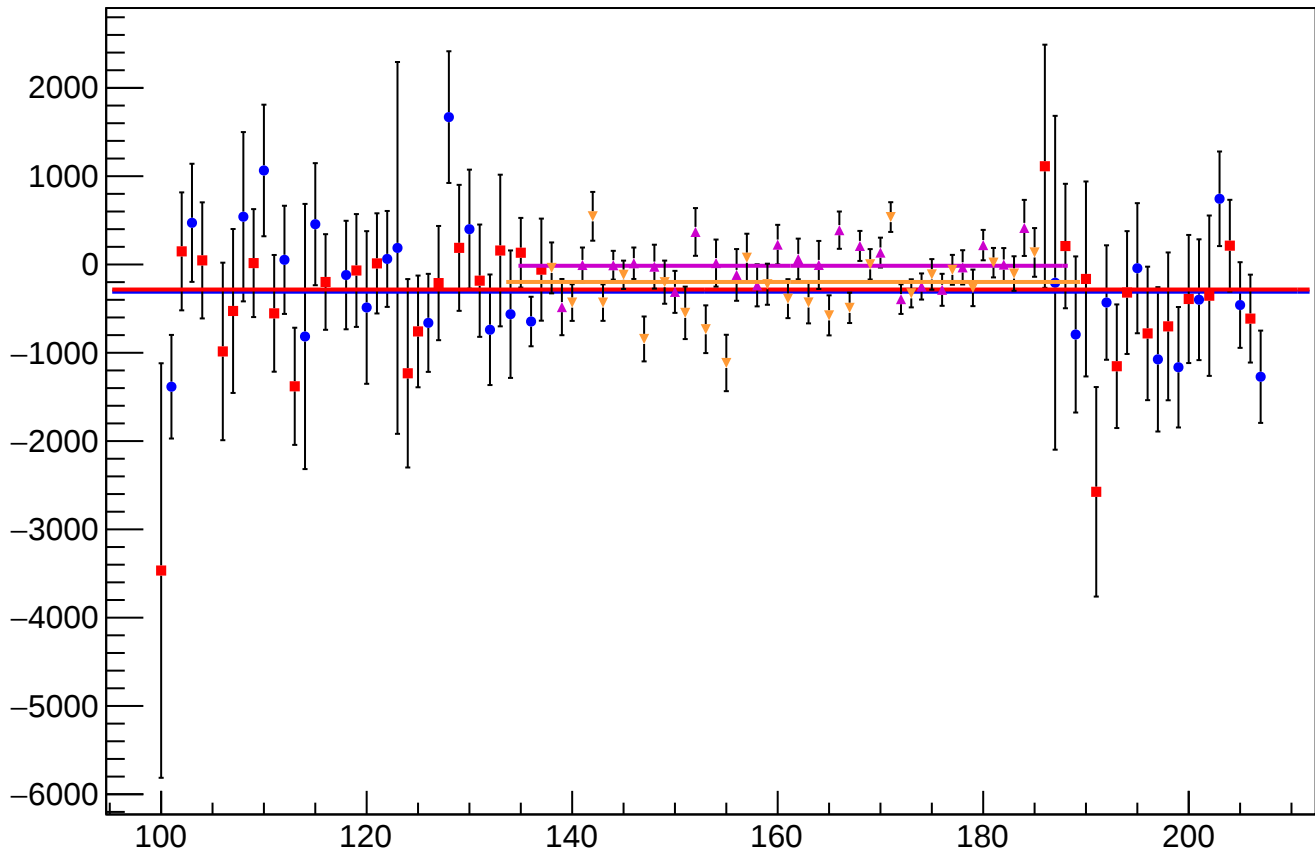
Left In: 172.828+/-0.030 χ^2/NDF : 1372131.7/22

+ sign 199.906+/-0.028 χ^2/NDF : 11759703.3/51

All: 201.352+/-0.020 χ^2/NDF : 25074337.9/10

- sign 202.864+/-0.028 χ^2/NDF : 13309036.5/53

asym_sam_1357_2468_dd_mean vs Slug



Right In: -308.355 ± 121.065 χ^2/NDF : 32.1/26

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -283.434 ± 122.829 χ^2/NDF : 18.8/30

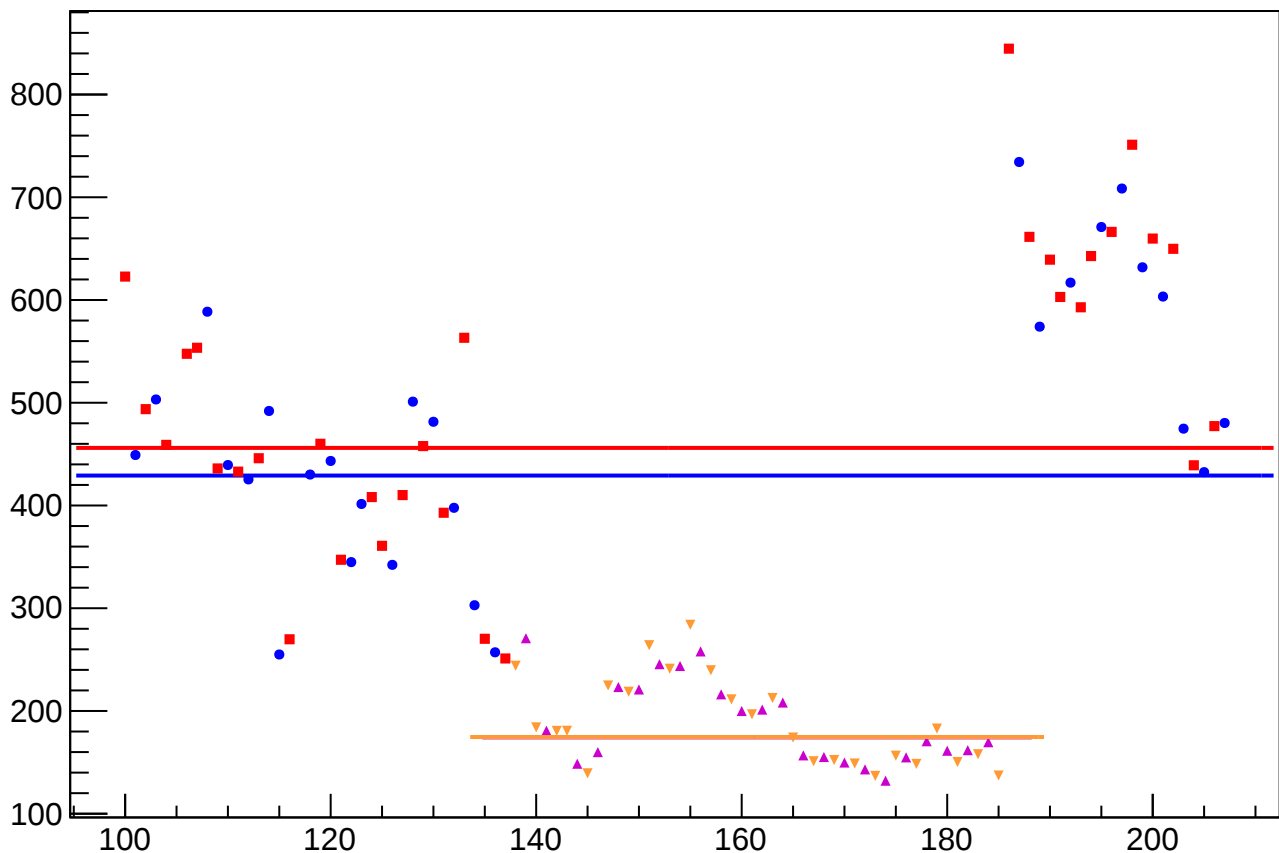
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -209.599 ± 39.374 χ^2/NDF : 97.1/51

All: -128.430 ± 28.154 χ^2/NDF : 156.6/105

- sign -43.514 ± 40.273 χ^2/NDF : 50.8/53

asym_sam_1357_2468_dd_rms vs Slug



Right In: 429.134 $\pm$ 0.086 χ^2/NDF : 2223940.7/26

Left Out: 174.648 $\pm$ 0.029 χ^2/NDF : 1531999.5/24

Right Out: 456.054 $\pm$ 0.087 χ^2/NDF : 2469138.3/30

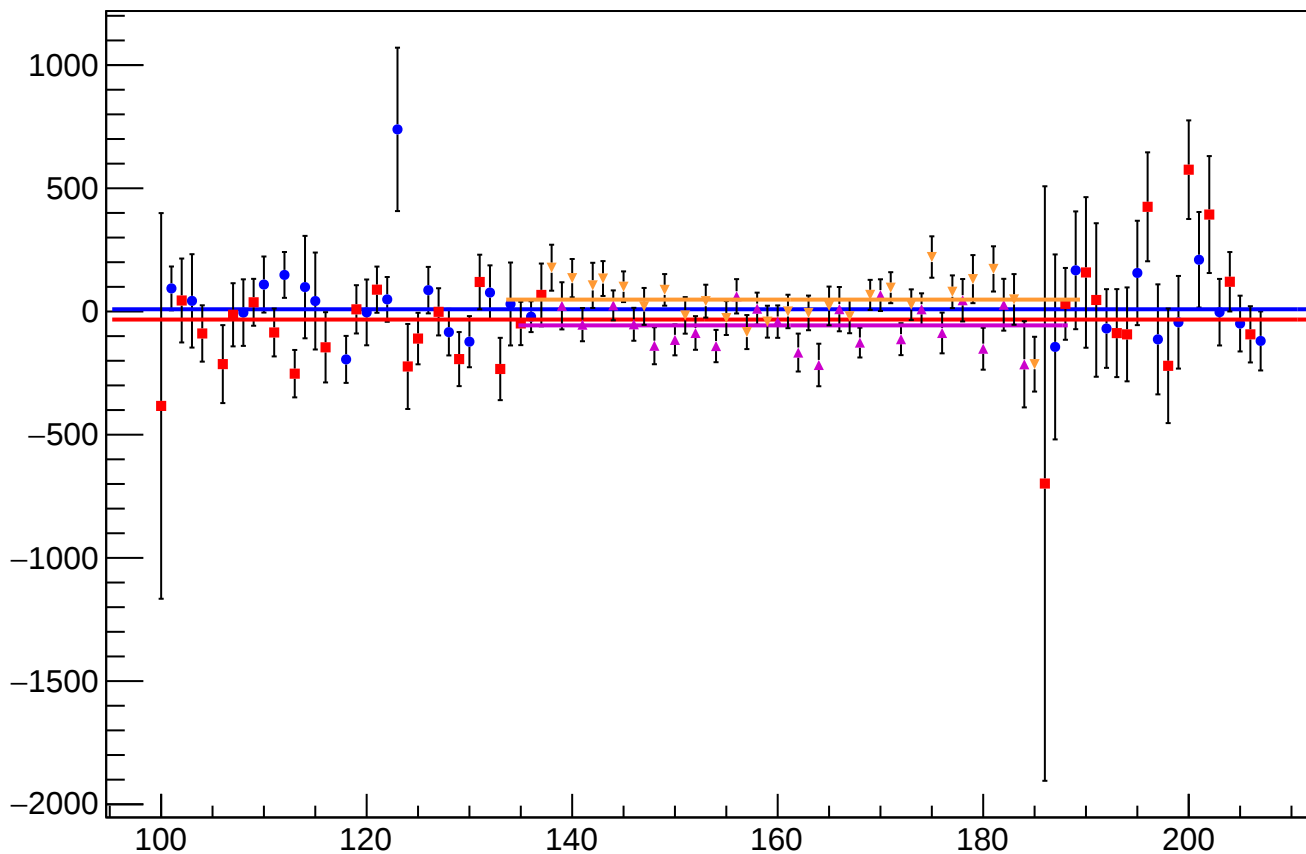
Left In: 174.288 $\pm$ 0.030 χ^2/NDF : 1344779.5/22

+ sign 201.567 $\pm$ 0.028 χ^2/NDF : 11658480.6/51

All: 203.039 $\pm$ 0.020 χ^2/NDF : 24871241.8/10

- sign 204.579 $\pm$ 0.028 χ^2/NDF : 13207040.5/53

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 9.030 ± 23.564 χ^2/NDF : 21.9/26

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: -32.720 ± 23.490 χ^2/NDF : 40.0/30

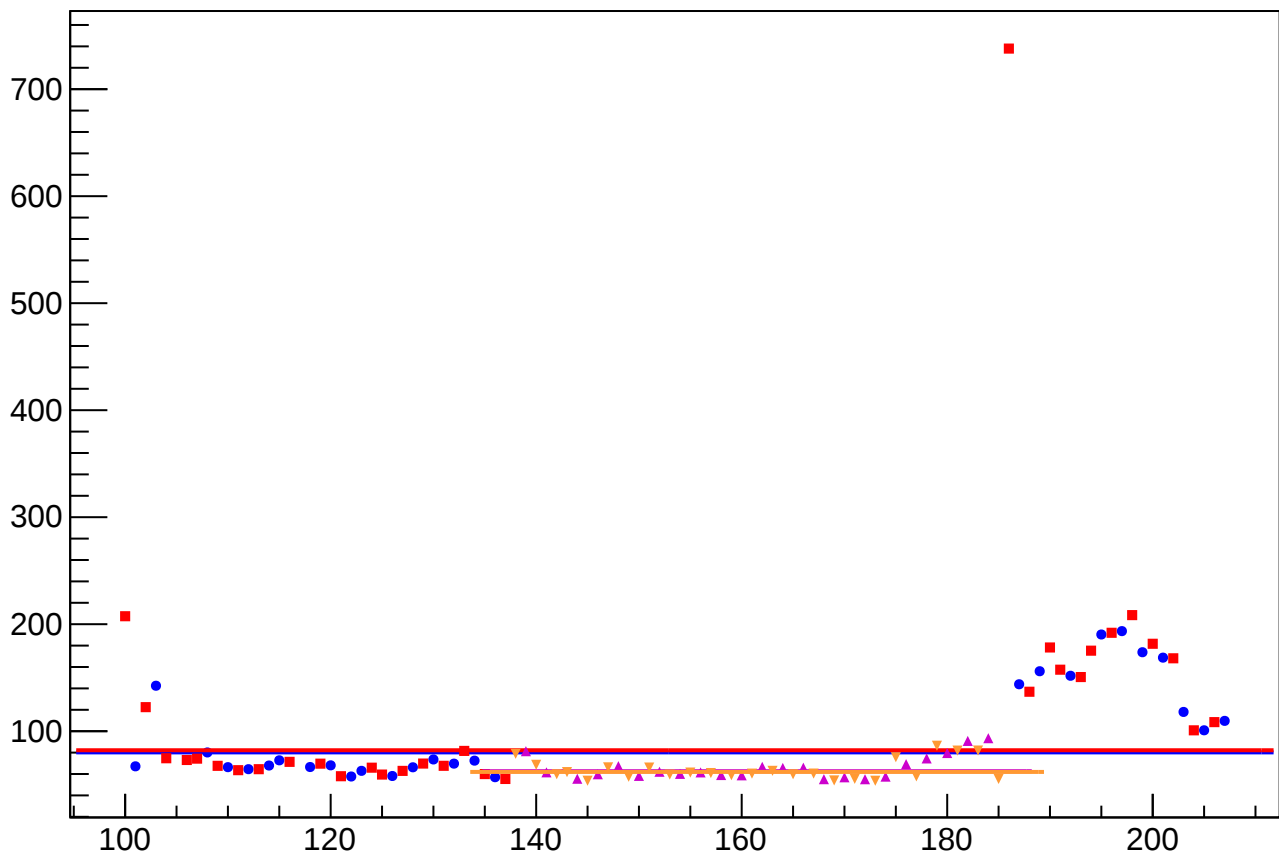
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 37.341 ± 12.420 χ^2/NDF : 53.1/51

All: -4.904 ± 8.897 χ^2/NDF : 145.1/105

- sign -49.425 ± 12.751 χ^2/NDF : 68.2/53

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 80.207 $\pm$ 0.017 χ^2 /NDF: 3973891.8/26

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 82.200 $\pm$ 0.017 χ^2 /NDF: 4974287.8/30

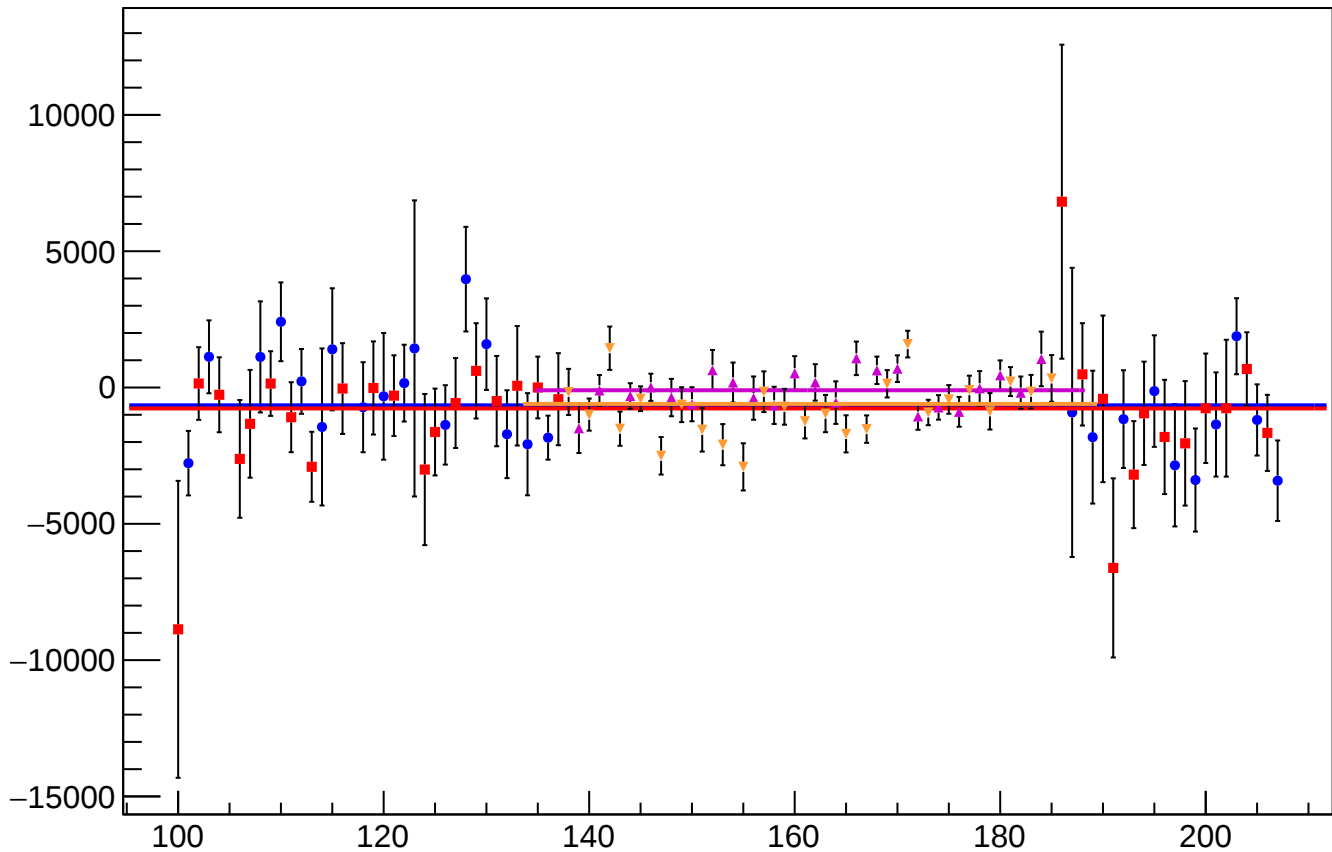
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 67.020 $\pm$ 0.009 χ^2 /NDF: 5446212.2/51

All: 67.682 $\pm$ 0.006 χ^2 /NDF: 11989160.8/105

- sign 68.380 $\pm$ 0.009 χ^2 /NDF: 6531268.0/53

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -653.850 ± 308.939 χ^2/NDF : 33.8/26

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -768.033 ± 307.945 χ^2/NDF : 18.8/30

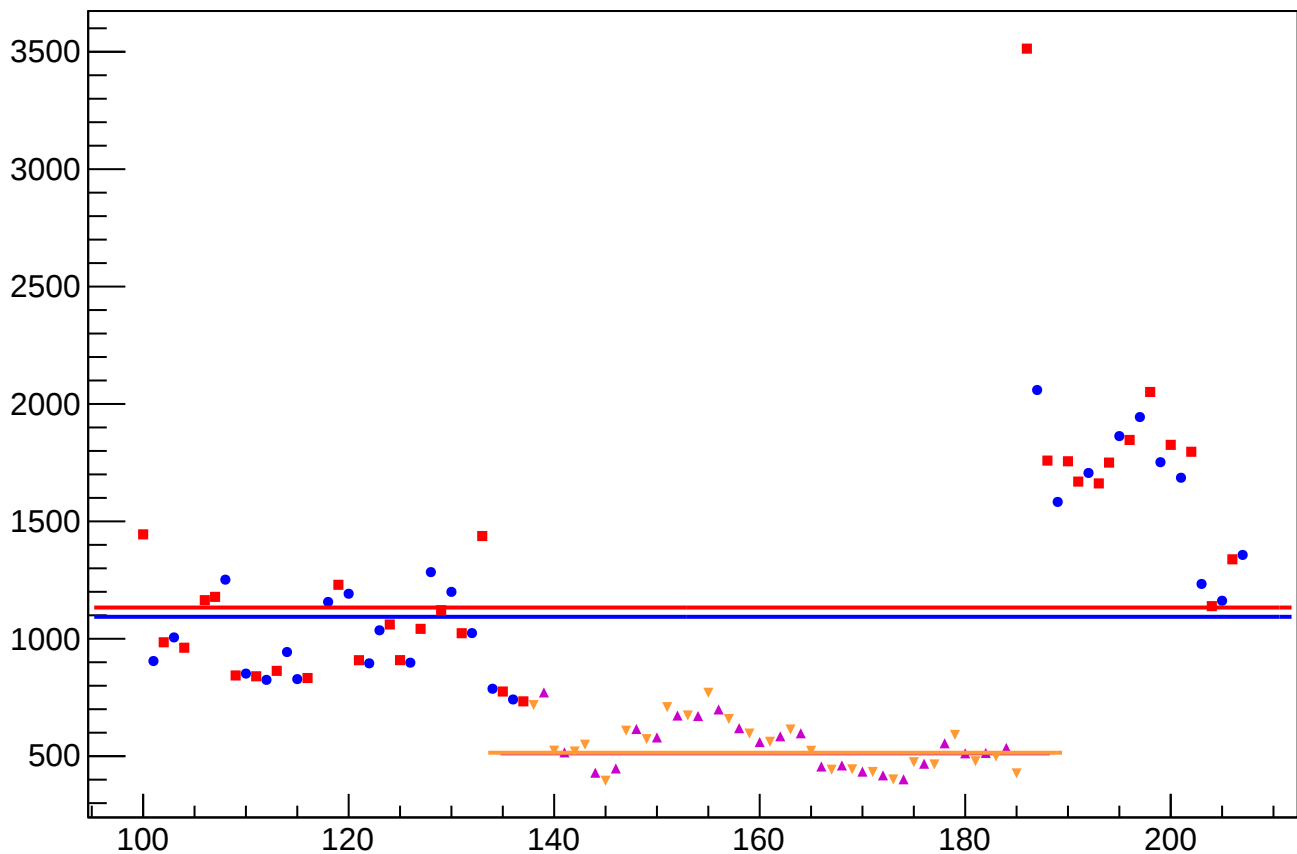
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -608.562 ± 113.568 χ^2/NDF : 99.2/51

All: -405.263 ± 81.014 χ^2/NDF : 154.0/105

- sign -194.614 ± 115.603 χ^2/NDF : 48.3/53

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1093.559 $\pm$ 0.218 χ^2 /NDF: 2285710.6/26

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF:1194945.9/24

Right Out: 1133.090 $\pm$ 0.218 χ^2 /NDF: 2932656.3/30

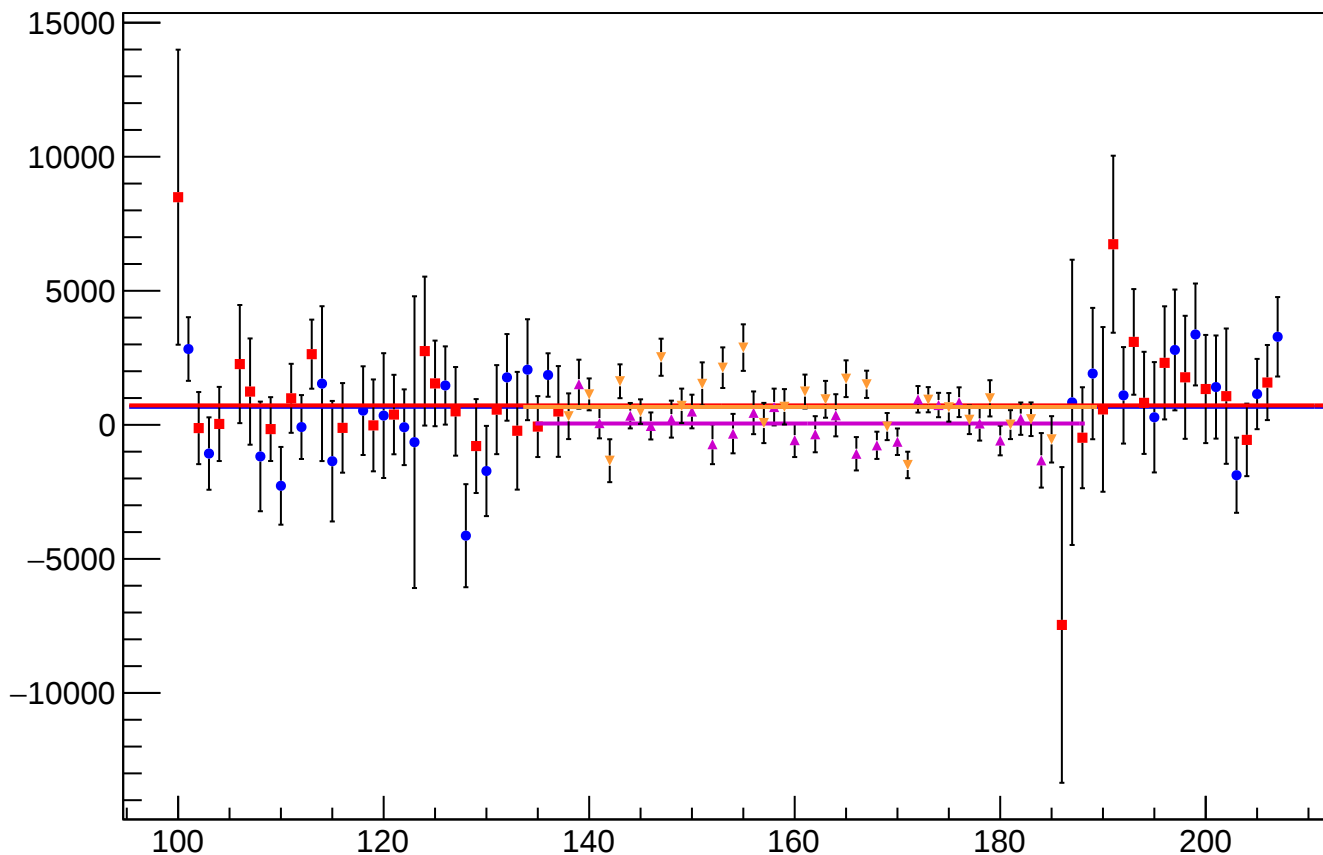
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF:1041302.8/22

+ sign 592.974 $\pm$ 0.080 χ^2 /NDF: 9552098.8/51

All: 596.276 $\pm$ 0.057 χ^2 /NDF: 20514166.7/10

- sign 599.699 $\pm$ 0.082 χ^2 /NDF: 10958623.7/53

asym_sam_12345678_avg_mean vs Slug



Right In: 672.184+/-310.103 χ^2/NDF : 33.3/26

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: 726.016+/-309.238 χ^2/NDF : 18.0/30

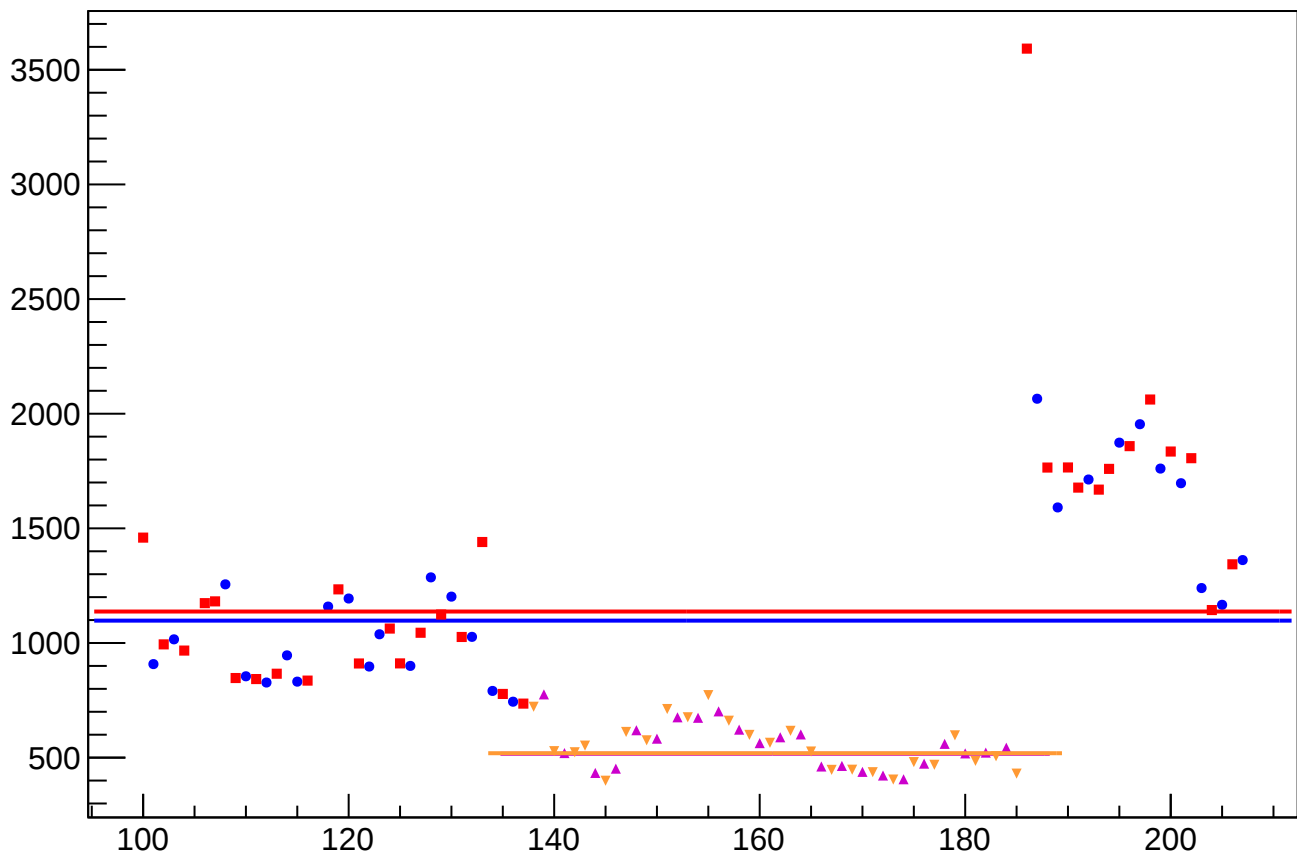
Left In: 50.079+/-125.805 χ^2/NDF : 26.1/22

+ sign 668.246+/-114.451 χ^2/NDF : 94.8/51

All: 411.855+/-81.655 χ^2/NDF : 153.2/105

- sign 146.063+/-116.531 χ^2/NDF : 48.2/53

asym_sam_12345678_avg_rms vs Slug



Right In: 1097.535 $\pm$ 0.219 χ^2 /NDF: 2292729.9/26

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF:1172411.1/24

+ sign 598.025 $\pm$ 0.081 χ^2 /NDF: 9472738.7/51

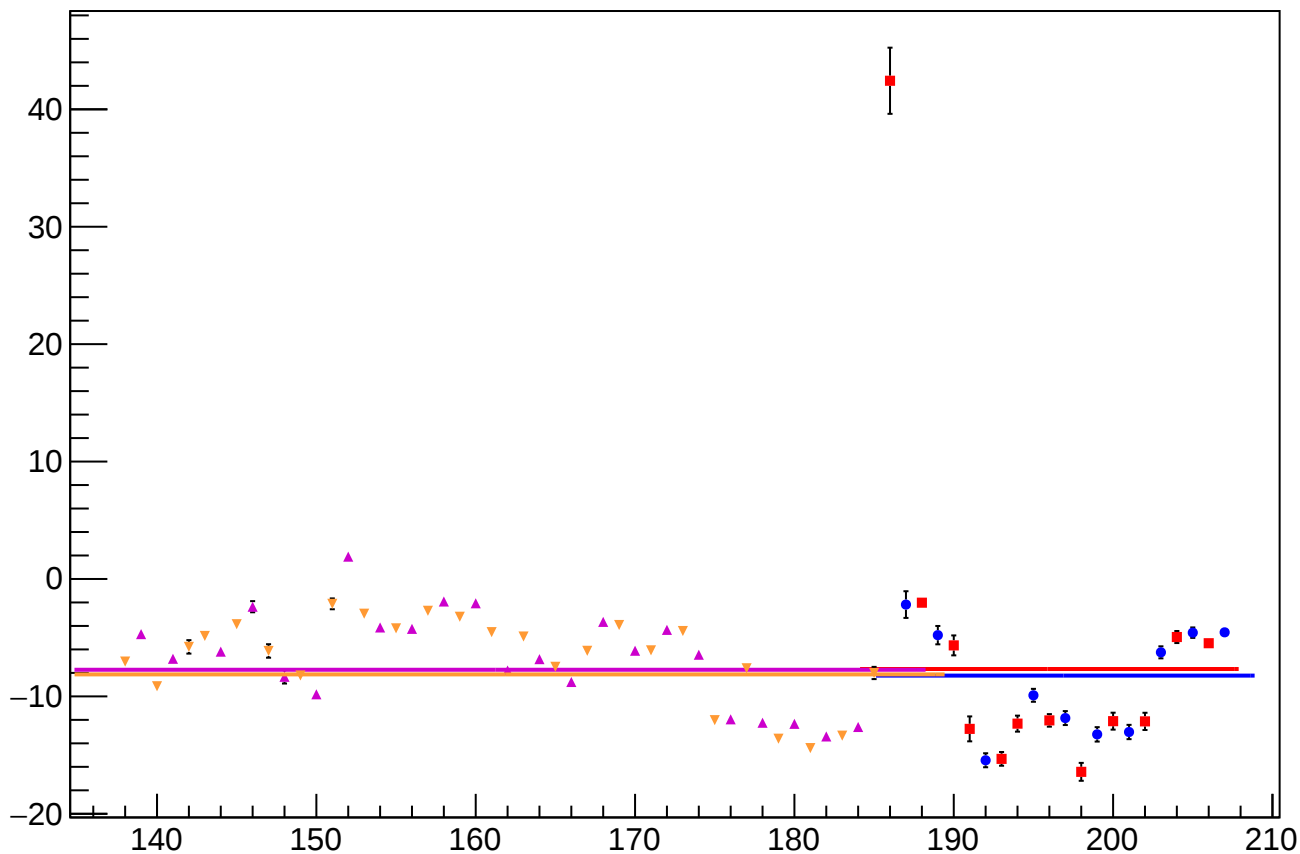
Right Out: 1137.270 $\pm$ 0.219 χ^2 /NDF: 2947248.4/30

All: 601.401 $\pm$ 0.058 χ^2 /NDF: 20353399.5/10

Left In: 516.792 $\pm$ 0.089 χ^2 /NDF:1021374.1/22

- sign 604.901 $\pm$ 0.082 χ^2 /NDF: 10877116.6/53

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -8.230 ± 0.175 χ^2/NDF : 546.9/9

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -7.668 ± 0.167 χ^2/NDF : 1180.3/11

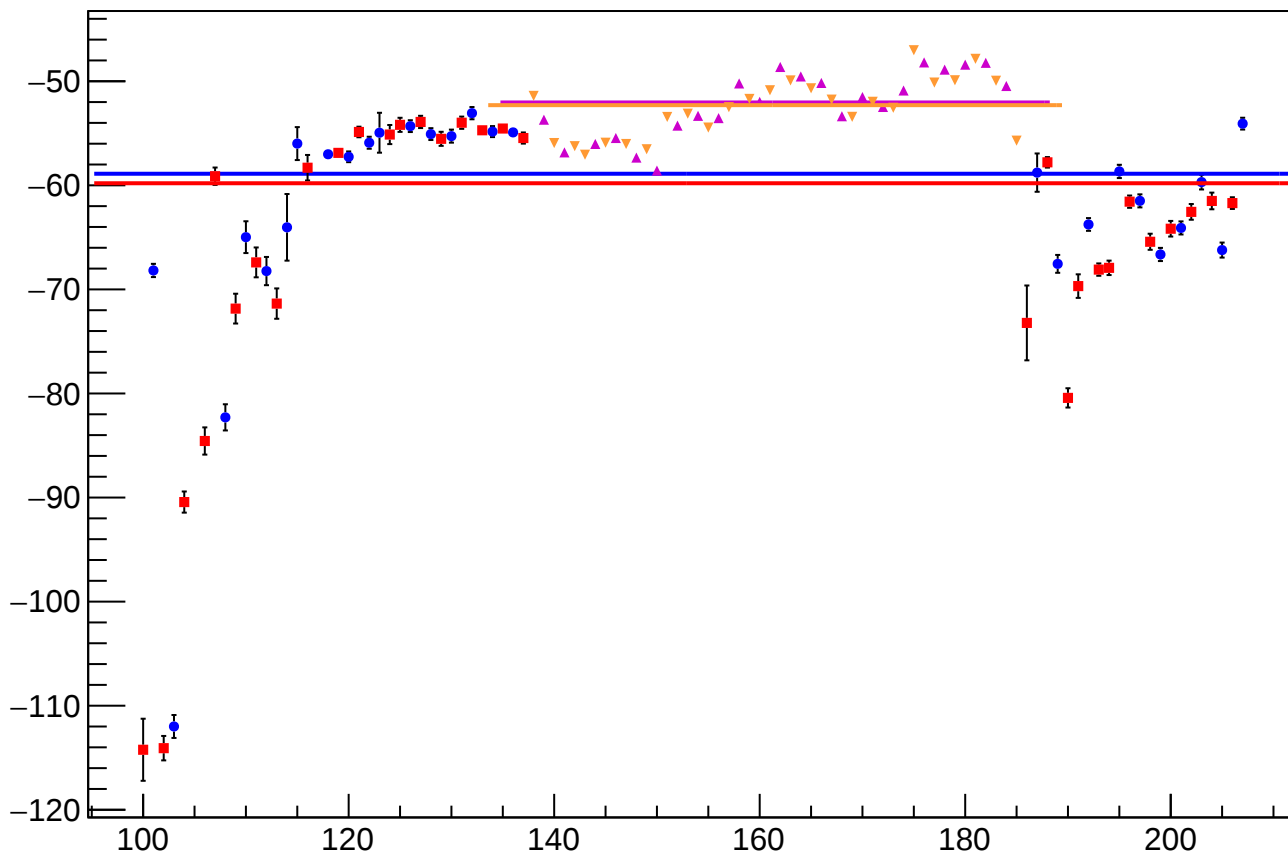
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -8.141 ± 0.063 χ^2/NDF : 4182.7/34

All: -7.934 ± 0.045 χ^2/NDF : 9103.9/69

- sign -7.723 ± 0.064 χ^2/NDF : 4899.4/34

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.887 ± 0.119 χ^2/NDF : 4119.7/26

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -59.800 ± 0.117 χ^2/NDF : 5969.5/30

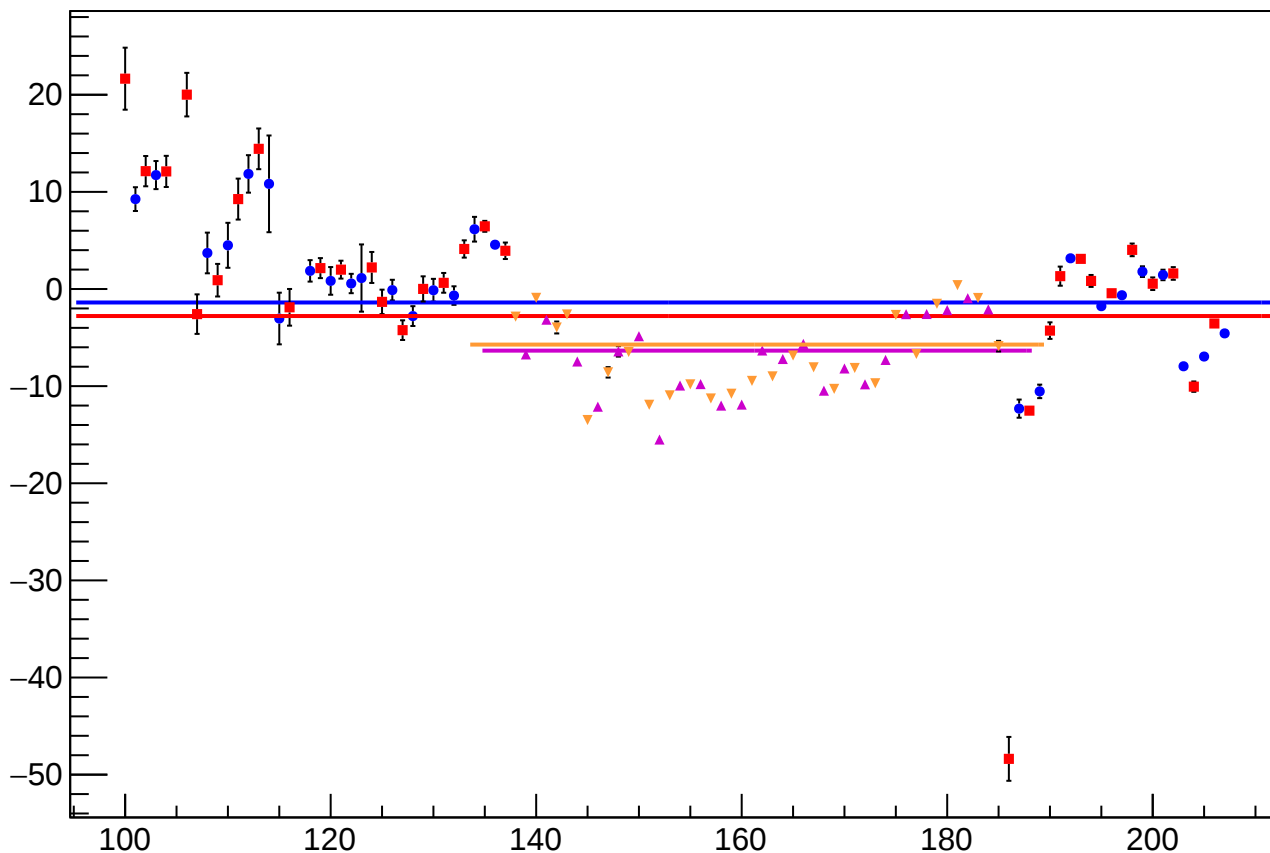
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.452 ± 0.050 χ^2/NDF : 9288.9/51

All: -53.487 ± 0.036 χ^2/NDF : 21970.3/105

- sign -53.524 ± 0.051 χ^2/NDF : 12680.4/53

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -1.387 ± 0.137 χ^2/NDF : 1334.4/26

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -2.782 ± 0.130 χ^2/NDF : 3188.3/30

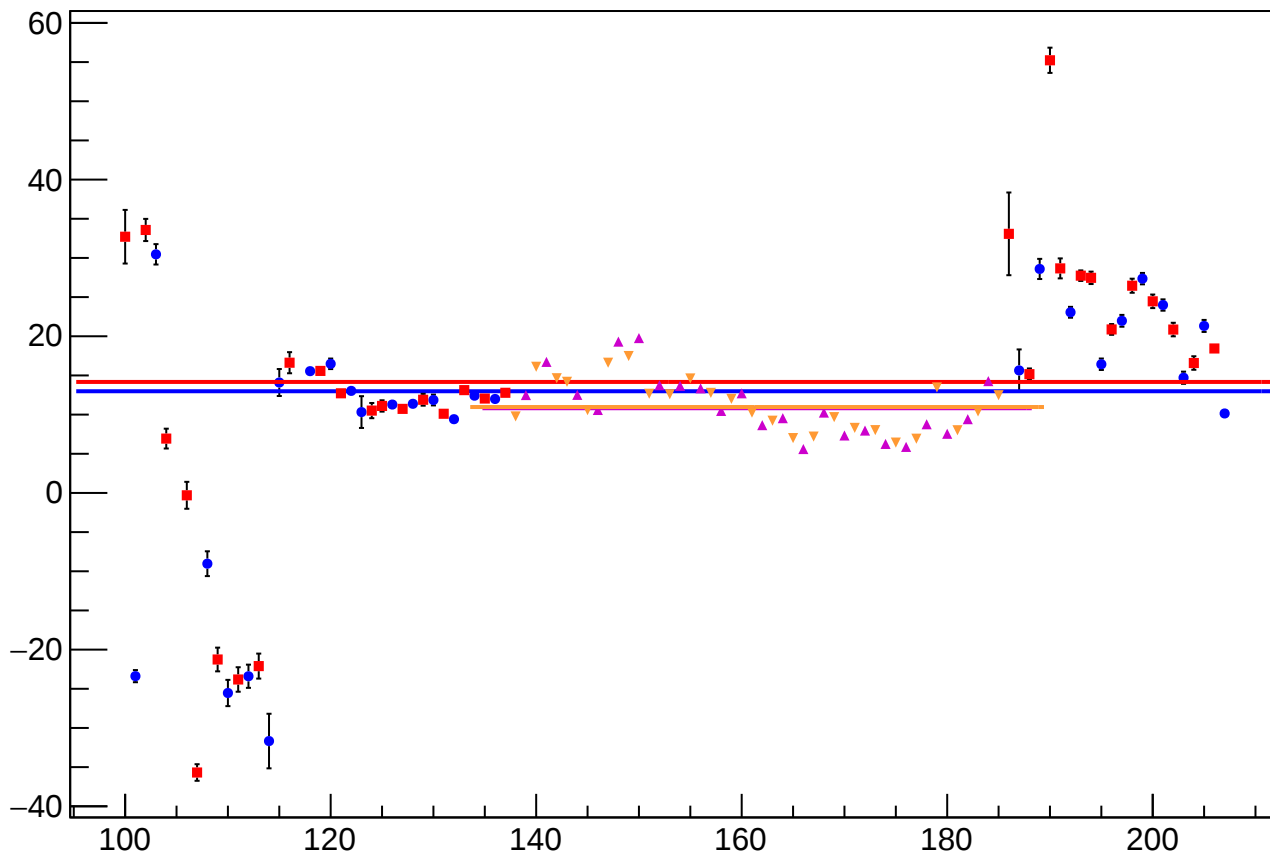
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.874 ± 0.061 χ^2/NDF : 6121.8/51

All: -5.219 ± 0.043 χ^2/NDF : 13348.2/105

- sign -5.565 ± 0.061 χ^2/NDF : 7161.6/53

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.982 ± 0.133 χ^2/NDF : 5276.6/26

Left Out: 10.967 ± 0.061 χ^2/NDF : 2637.7/24

Right Out: 14.170 ± 0.134 χ^2/NDF : 6399.3/30

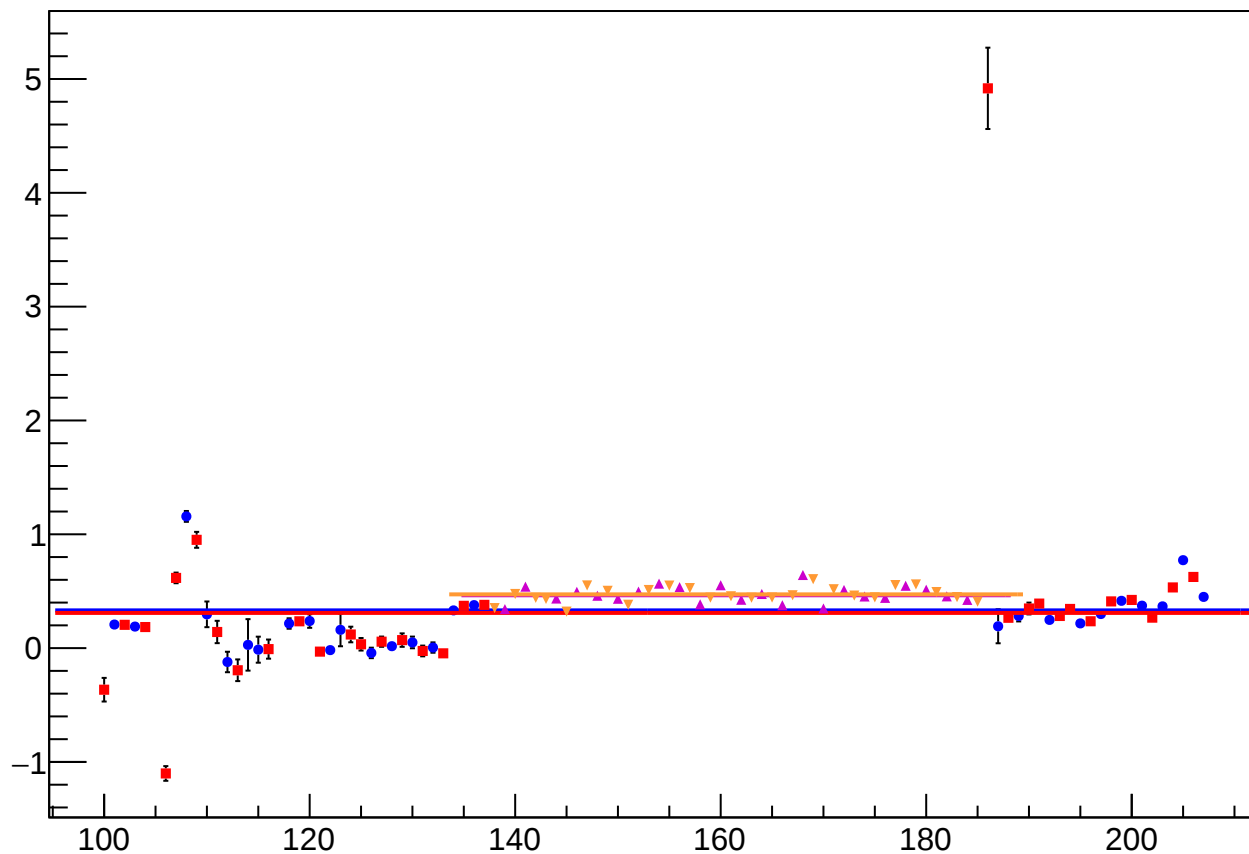
Left In: 10.813 ± 0.063 χ^2/NDF : 3546.8/22

+ sign 11.319 ± 0.056 χ^2/NDF : 8102.6/51

All: 11.371 ± 0.040 χ^2/NDF : 18565.0/105

- sign 11.424 ± 0.057 χ^2/NDF : 10460.7/53

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.332 ± 0.006 χ^2/NDF : 912.1/26

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.309 ± 0.006 χ^2/NDF : 1503.2/30

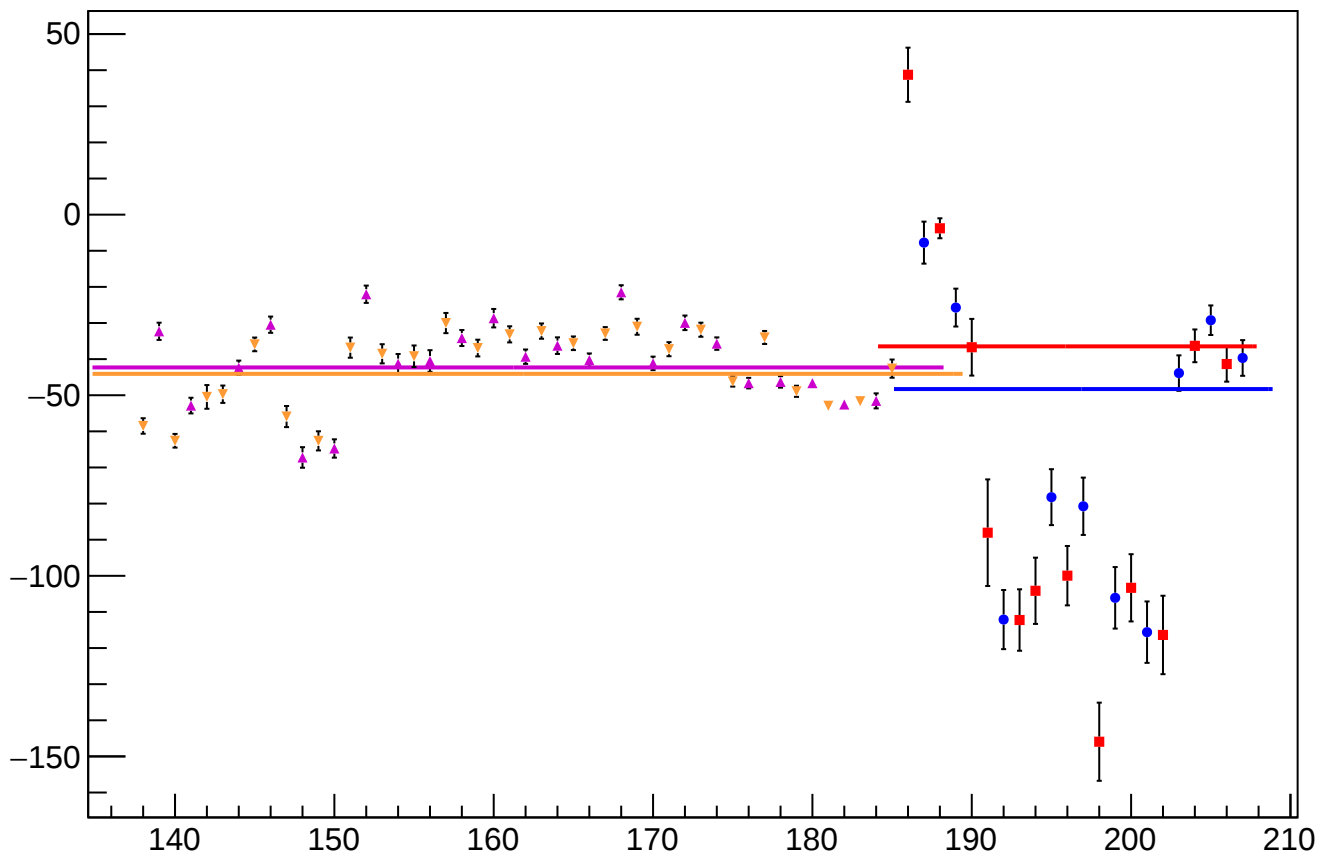
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.446 ± 0.002 χ^2/NDF : 1913.4/51

All: 0.441 ± 0.002 χ^2/NDF : 4736.1/105

- sign 0.435 ± 0.003 χ^2/NDF : 2813.6/53

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -48.290 ± 1.879 χ^2/NDF : 293.8/9

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -36.469 ± 1.744 χ^2/NDF : 655.0/11

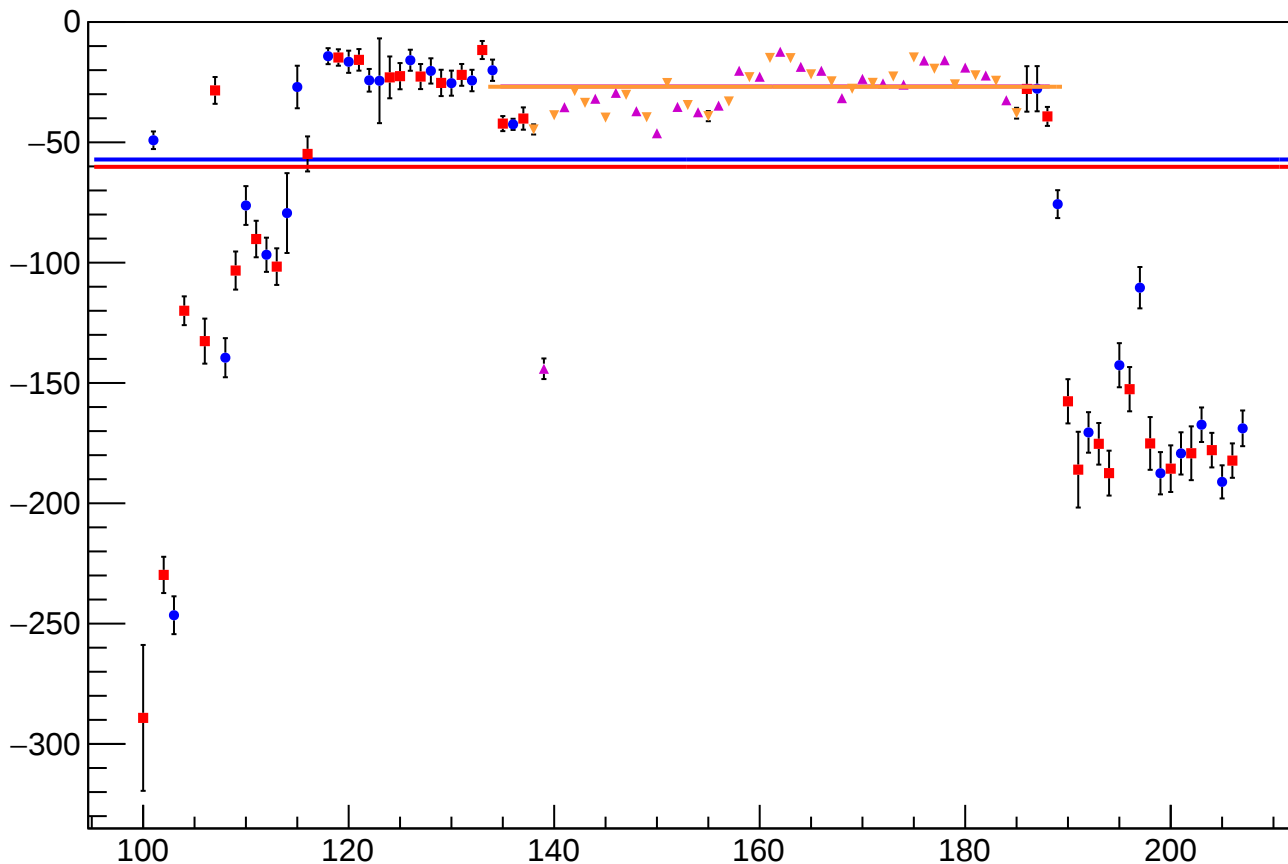
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -44.250 ± 0.381 χ^2/NDF : 931.1/34

All: -43.157 ± 0.272 χ^2/NDF : 2254.3/69

- sign -42.013 ± 0.389 χ^2/NDF : 1306.3/34

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -57.128 ± 1.042 χ^2/NDF : 2956.8/26

Left Out: -26.902 ± 0.316 χ^2/NDF : 631.0/24

Right Out: -60.183 ± 1.069 χ^2/NDF : 3187.4/30

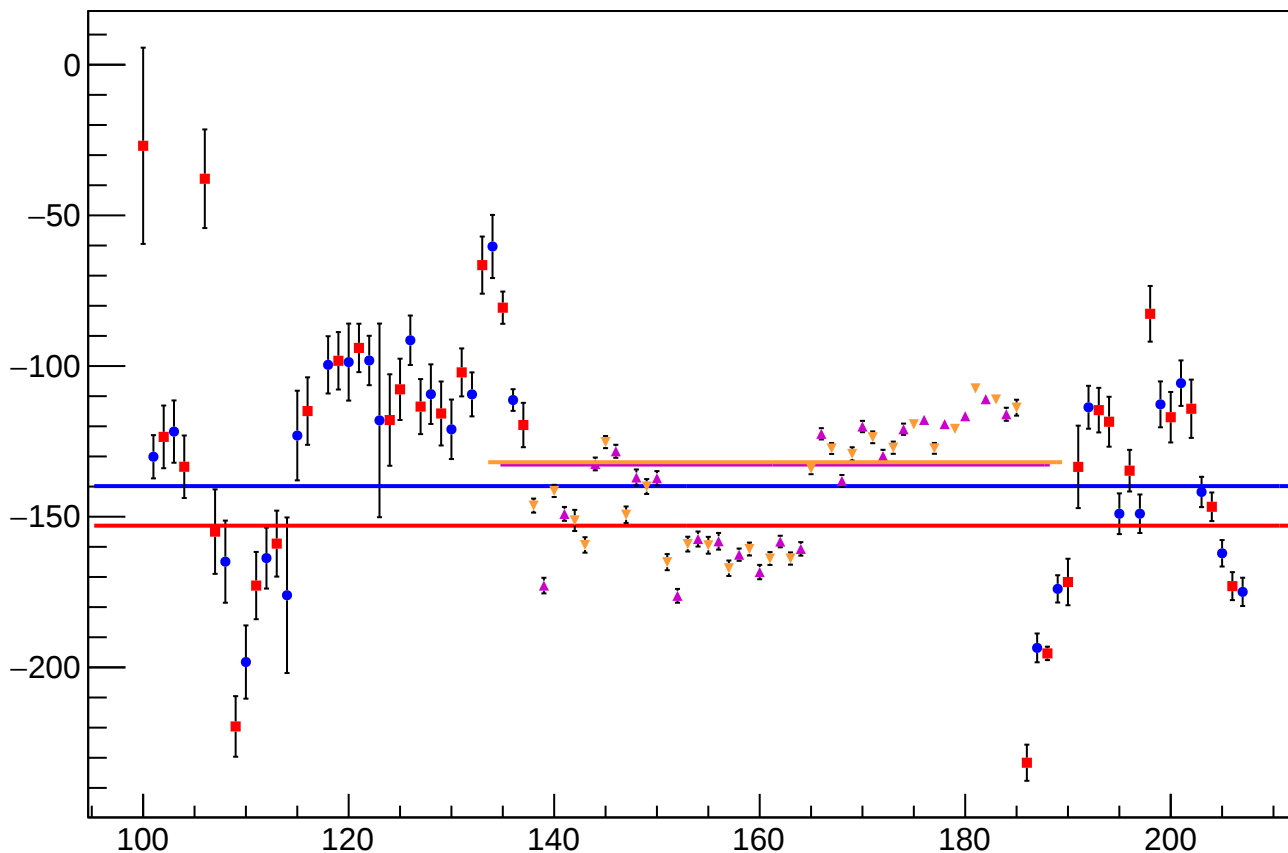
Left In: -26.774 ± 0.326 χ^2/NDF : 1394.5/22

+ sign -29.454 ± 0.303 χ^2/NDF : 4358.9/51

All: -29.535 ± 0.217 χ^2/NDF : 9834.3/105

- sign -29.621 ± 0.312 χ^2/NDF : 5475.3/53

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -139.844 ± 1.336 χ^2/NDF : 596.2/26

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -152.972 ± 1.253 χ^2/NDF : 1311.1/30

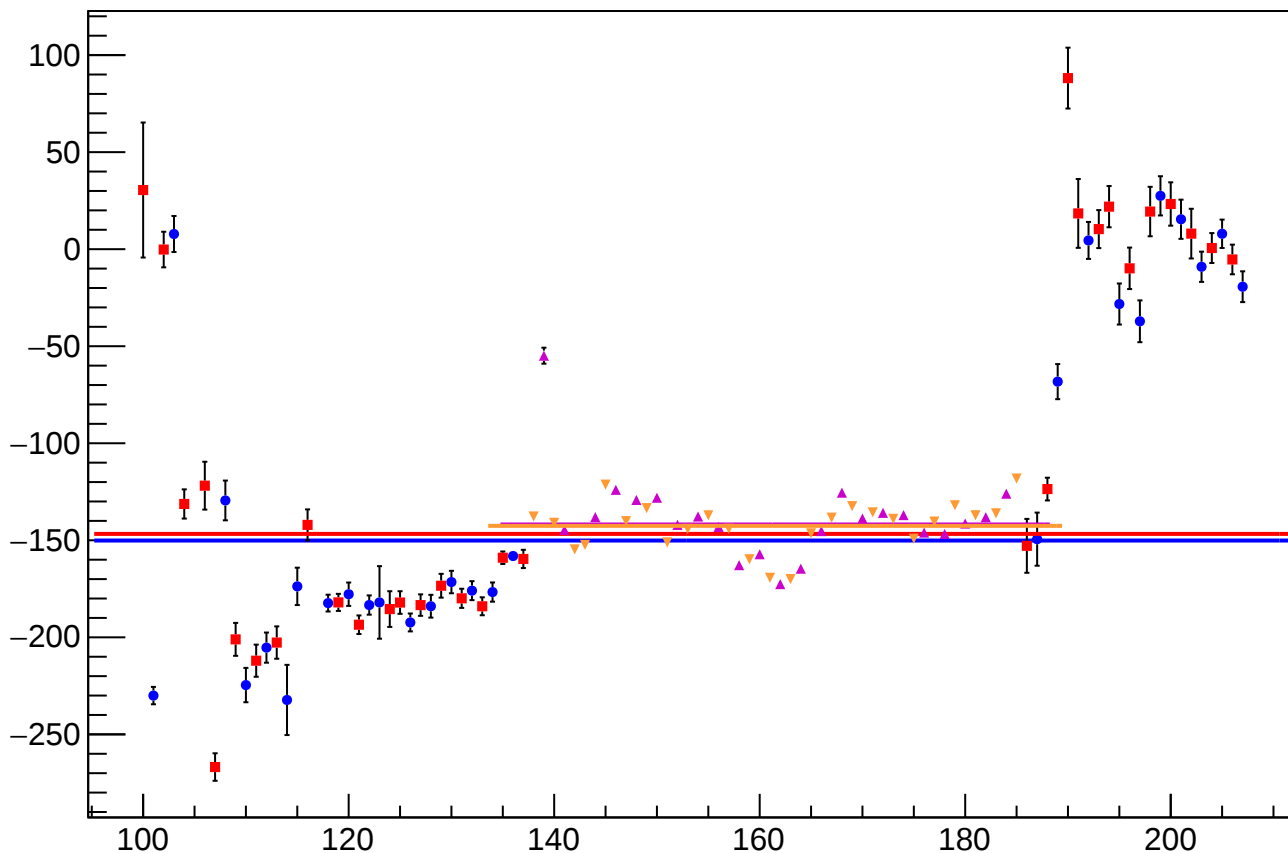
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -132.540 ± 0.376 χ^2/NDF : 3068.0/51

All: -133.537 ± 0.267 χ^2/NDF : 7111.4/105

- sign -134.560 ± 0.381 χ^2/NDF : 4029.1/53

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -150.126 $\pm$ 1.172 χ^2/NDF : 3318.4/26

Left Out: -142.564 $\pm$ 0.354 χ^2/NDF :1147.7/24

Right Out: -146.706 $\pm$ 1.226 χ^2/NDF : 3390.3/30

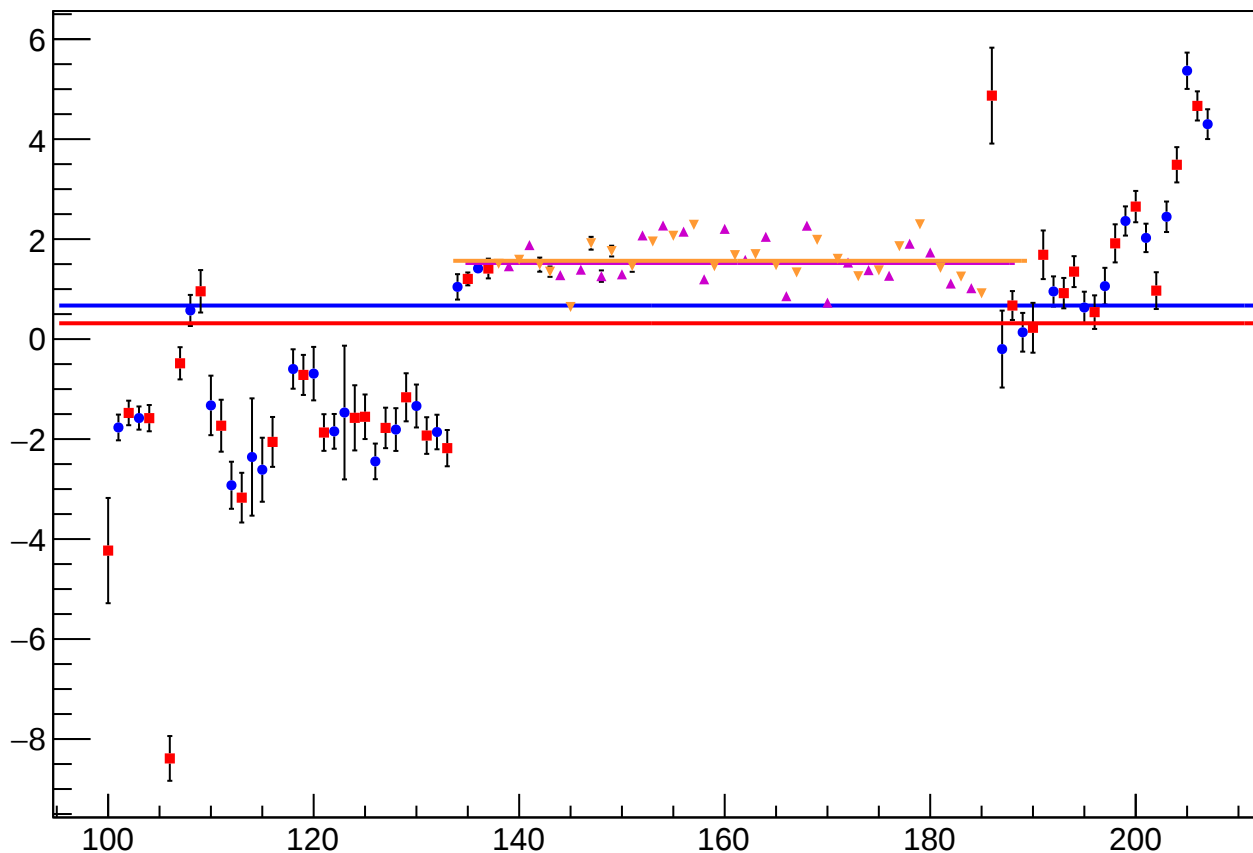
Left In: -141.856 $\pm$ 0.364 χ^2/NDF :1544.3/22

+ sign -143.196 $\pm$ 0.339 χ^2/NDF : 4504.3/51

All: -142.736 $\pm$ 0.243 χ^2/NDF : 9457.0/105

- sign -142.249 $\pm$ 0.349 χ^2/NDF : 4948.9/53

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.671 ± 0.057 χ^2/NDF : 1015.1/26

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.317 ± 0.059 χ^2/NDF : 1292.5/30

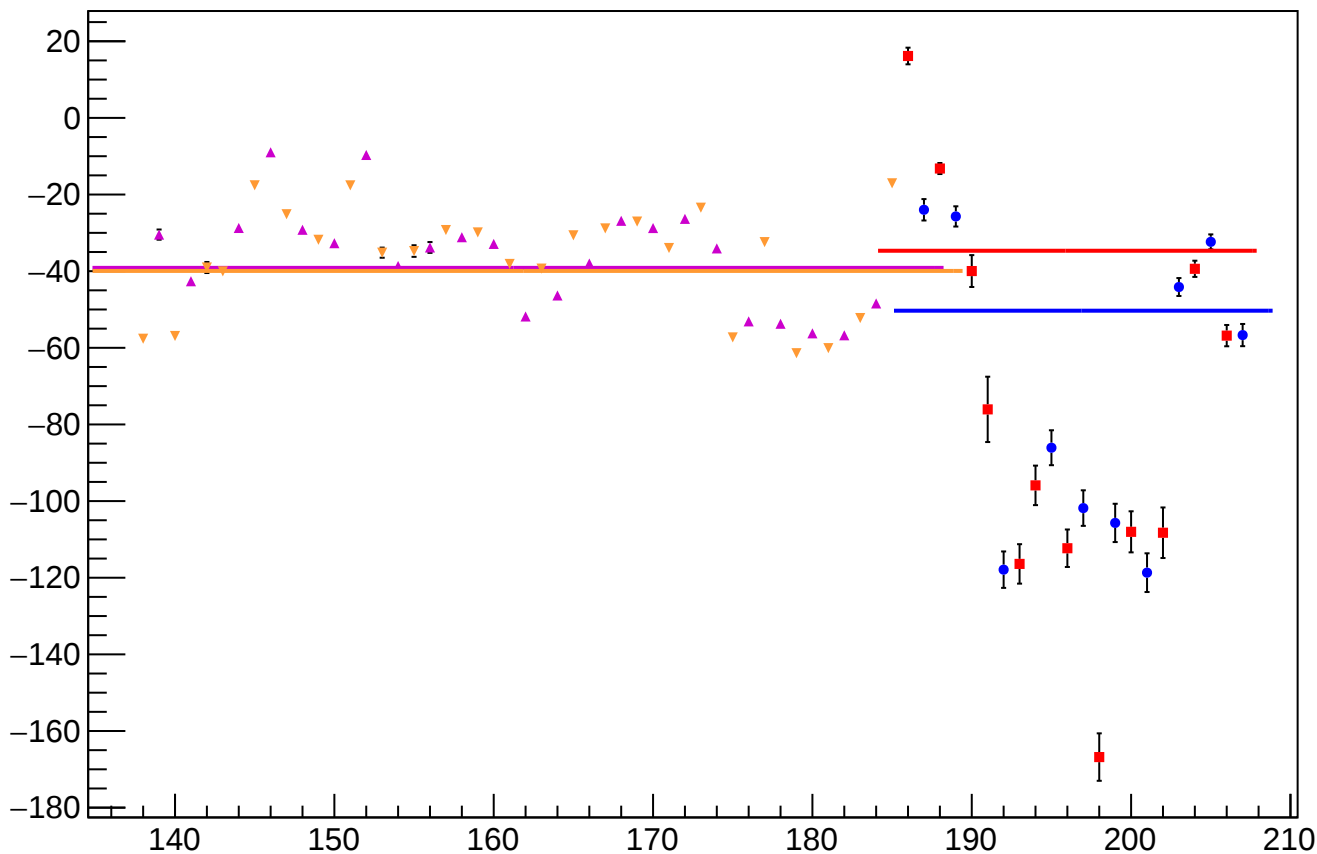
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.499 ± 0.016 χ^2/NDF : 1788.8/51

All: 1.467 ± 0.011 χ^2/NDF : 4221.7/105

- sign 1.434 ± 0.016 χ^2/NDF : 2424.5/53

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -50.314 ± 0.974 $\chi^2/\text{NDF}: 965.2/9$

Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$

Right Out: -34.669 ± 0.870 $\chi^2/\text{NDF}: 2275.6/11$

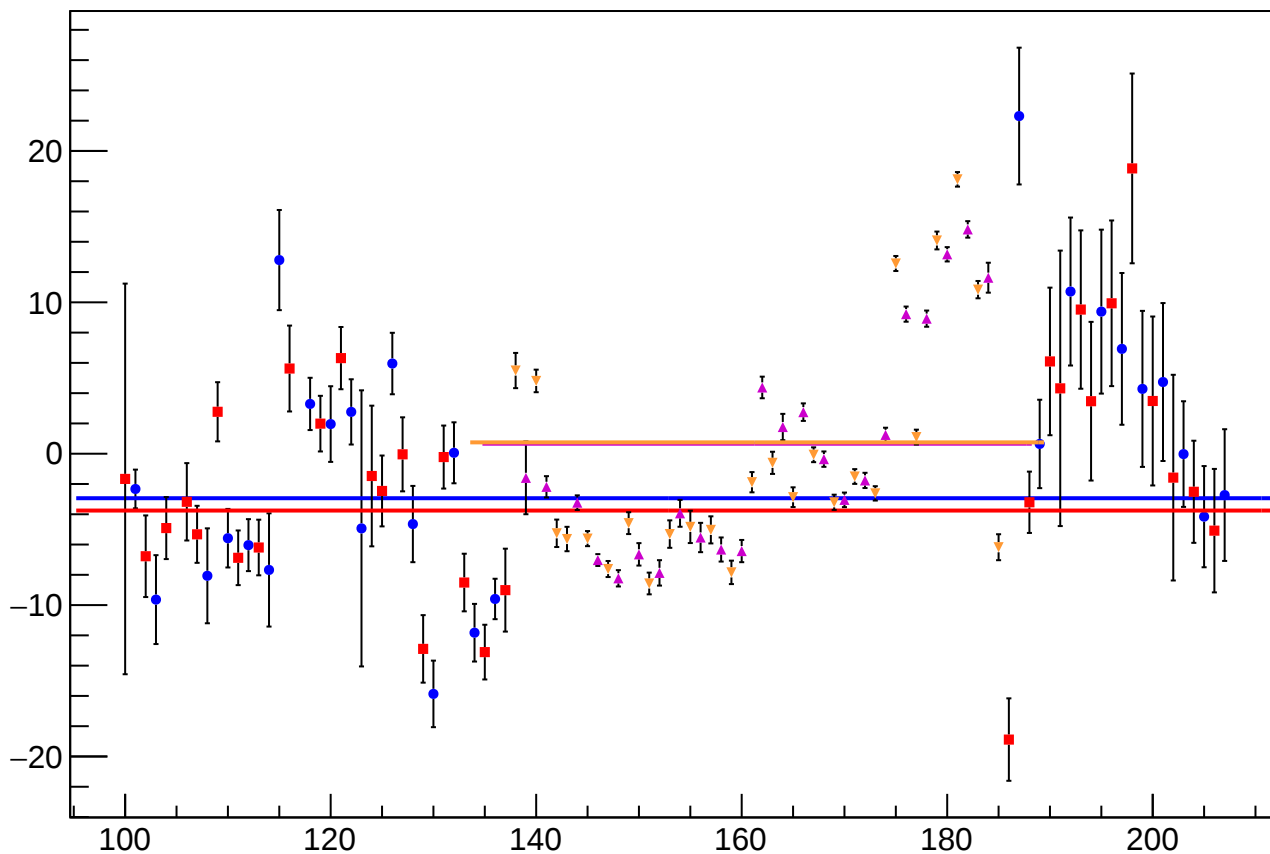
Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

+ sign -40.186 ± 0.151 $\chi^2/\text{NDF}: 10882.6/34$

All: -39.597 ± 0.107 $\chi^2/\text{NDF}: 21748.7/69$

- sign -39.000 ± 0.152 $\chi^2/\text{NDF}: 10835.6/34$

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -2.940 ± 0.467 $\chi^2/\text{NDF}: 219.0/26$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.754 ± 0.464 $\chi^2/\text{NDF}: 187.6/30$

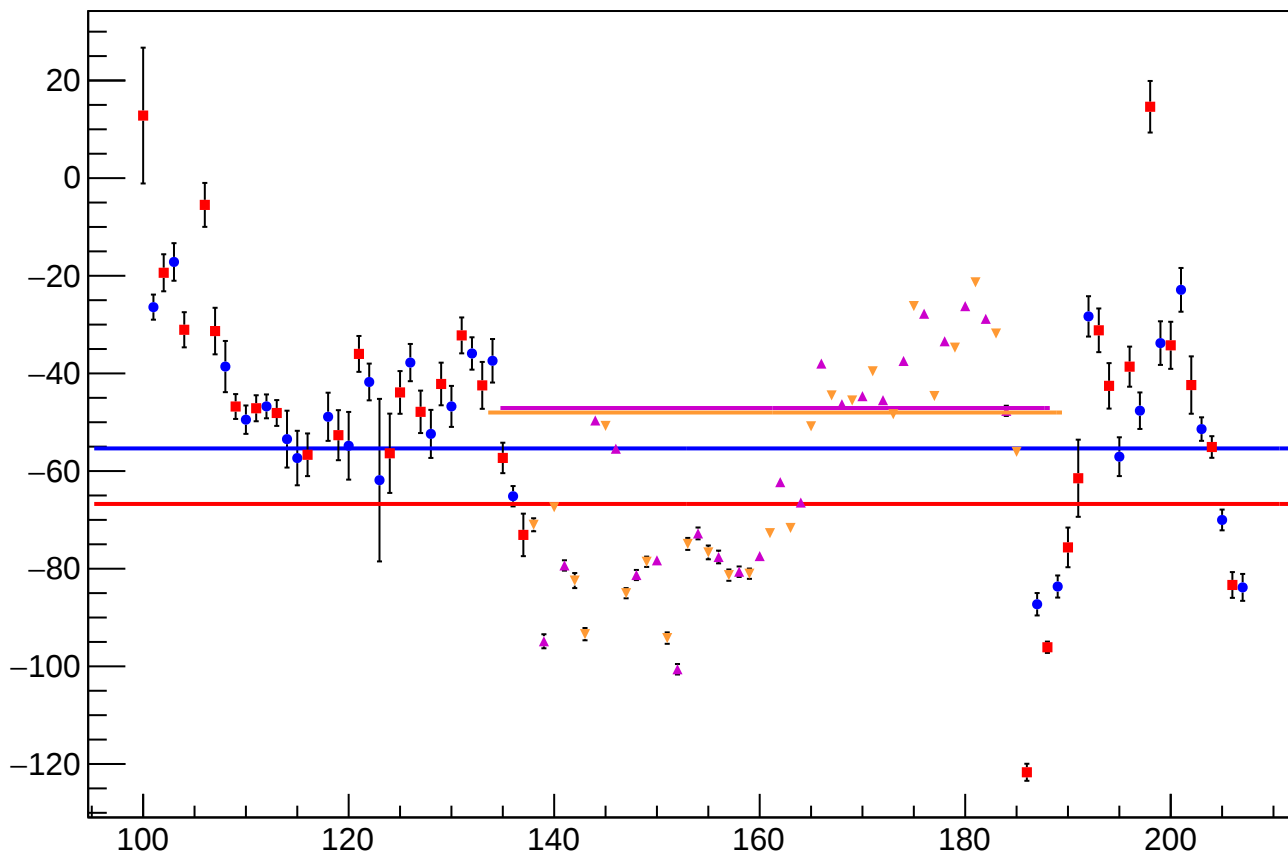
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.505 ± 0.120 $\chi^2/\text{NDF}: 4248.2/51$

All: 0.435 ± 0.085 $\chi^2/\text{NDF}: 7858.8/105$

- sign 0.364 ± 0.120 $\chi^2/\text{NDF}: 3609.9/53$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -55.362 ± 0.635 χ^2/NDF : 995.0/26

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -66.736 ± 0.572 χ^2/NDF : 3122.0/30

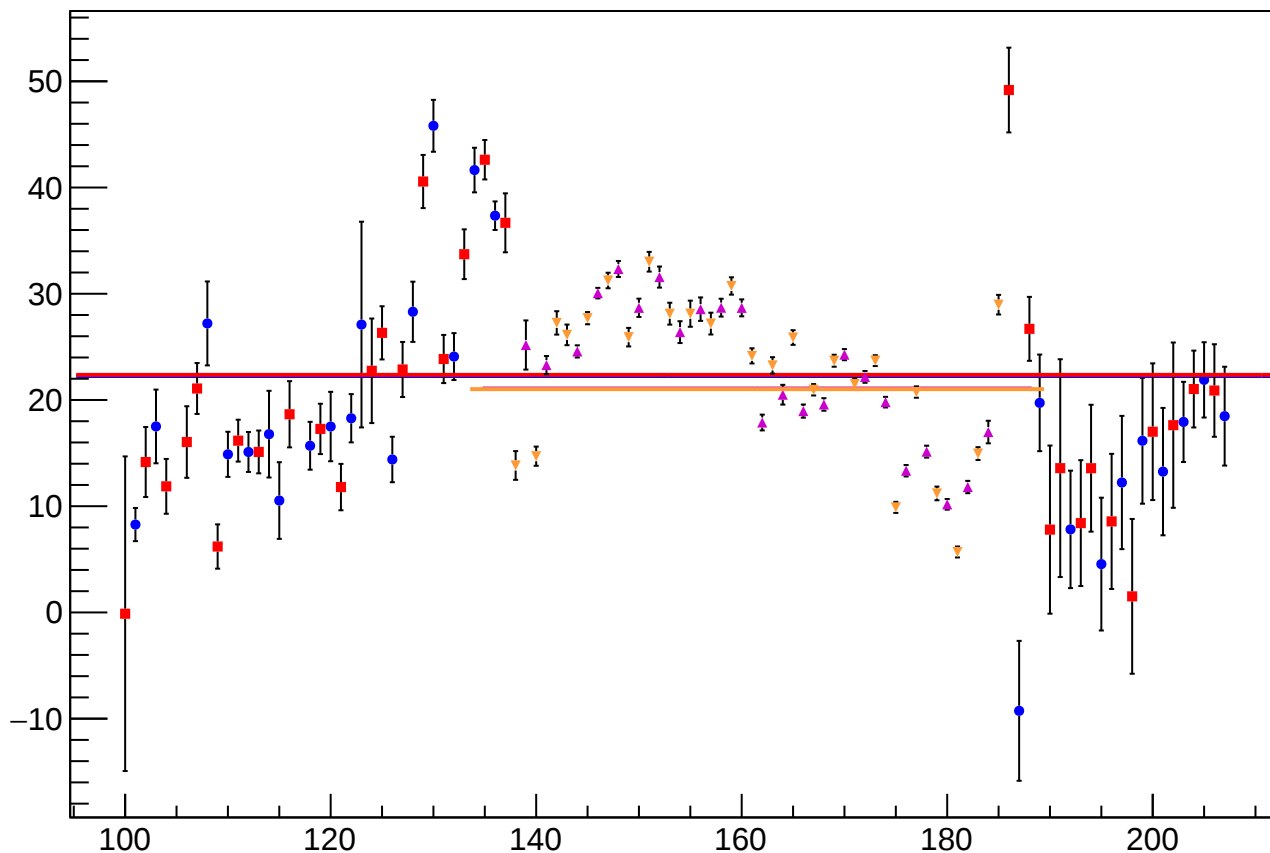
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -48.420 ± 0.150 χ^2/NDF : 18071.6/51

All: -48.426 ± 0.106 χ^2/NDF : 37806.7/105

- sign -48.433 ± 0.150 χ^2/NDF : 19735.1/53

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.257 ± 0.527 $\chi^2/\text{NDF}: 505.6/26$

Left Out: 21.020 ± 0.139 $\chi^2/\text{NDF}: 2799.3/24$

Right Out: 22.364 ± 0.534 $\chi^2/\text{NDF}: 439.6/30$

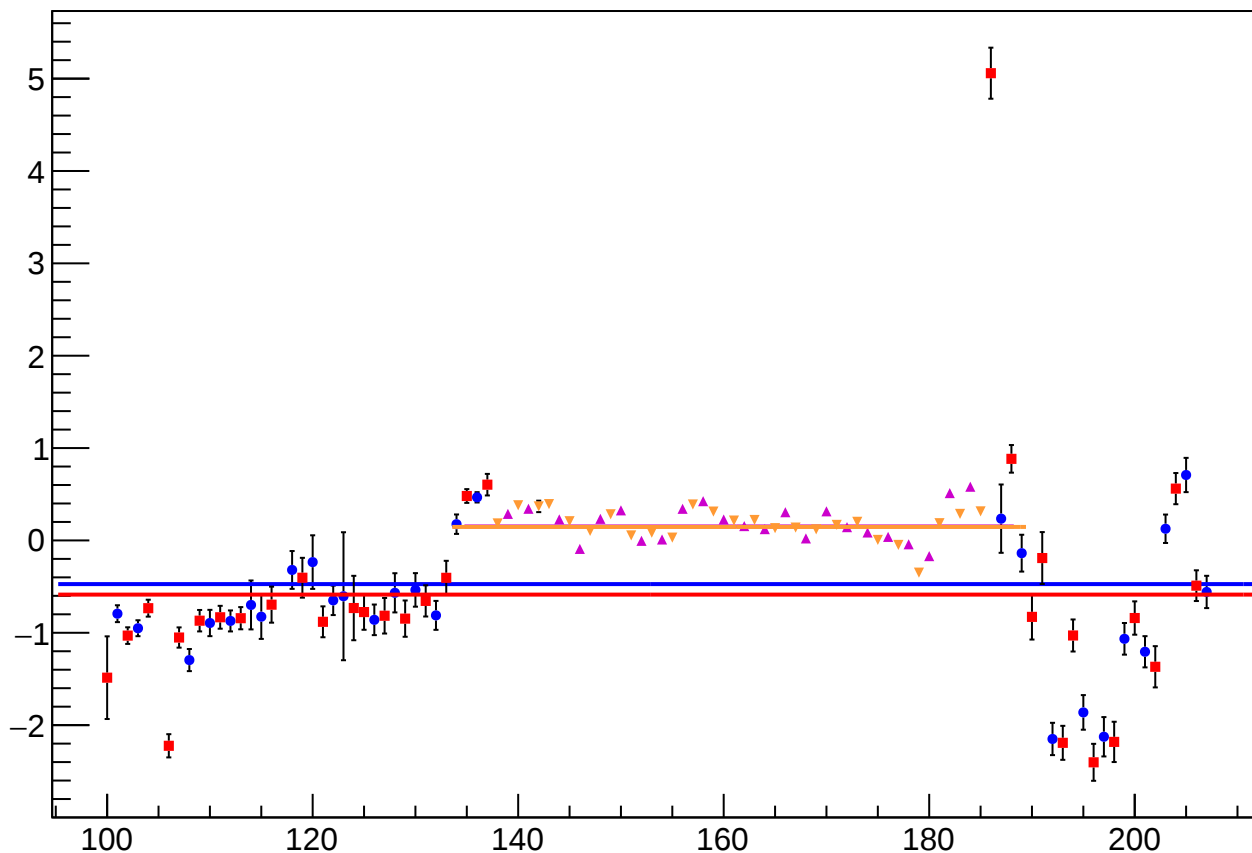
Left In: 21.079 ± 0.140 $\chi^2/\text{NDF}: 2173.2/22$

+ sign 21.100 ± 0.134 $\chi^2/\text{NDF}: 3310.0/51$

All: 21.130 ± 0.095 $\chi^2/\text{NDF}: 5928.4/105$

- sign 21.161 ± 0.135 $\chi^2/\text{NDF}: 2618.3/53$

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.473 ± 0.027 $\chi^2/\text{NDF}: 748.2/26$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.587 ± 0.027 $\chi^2/\text{NDF}: 1347.4/30$

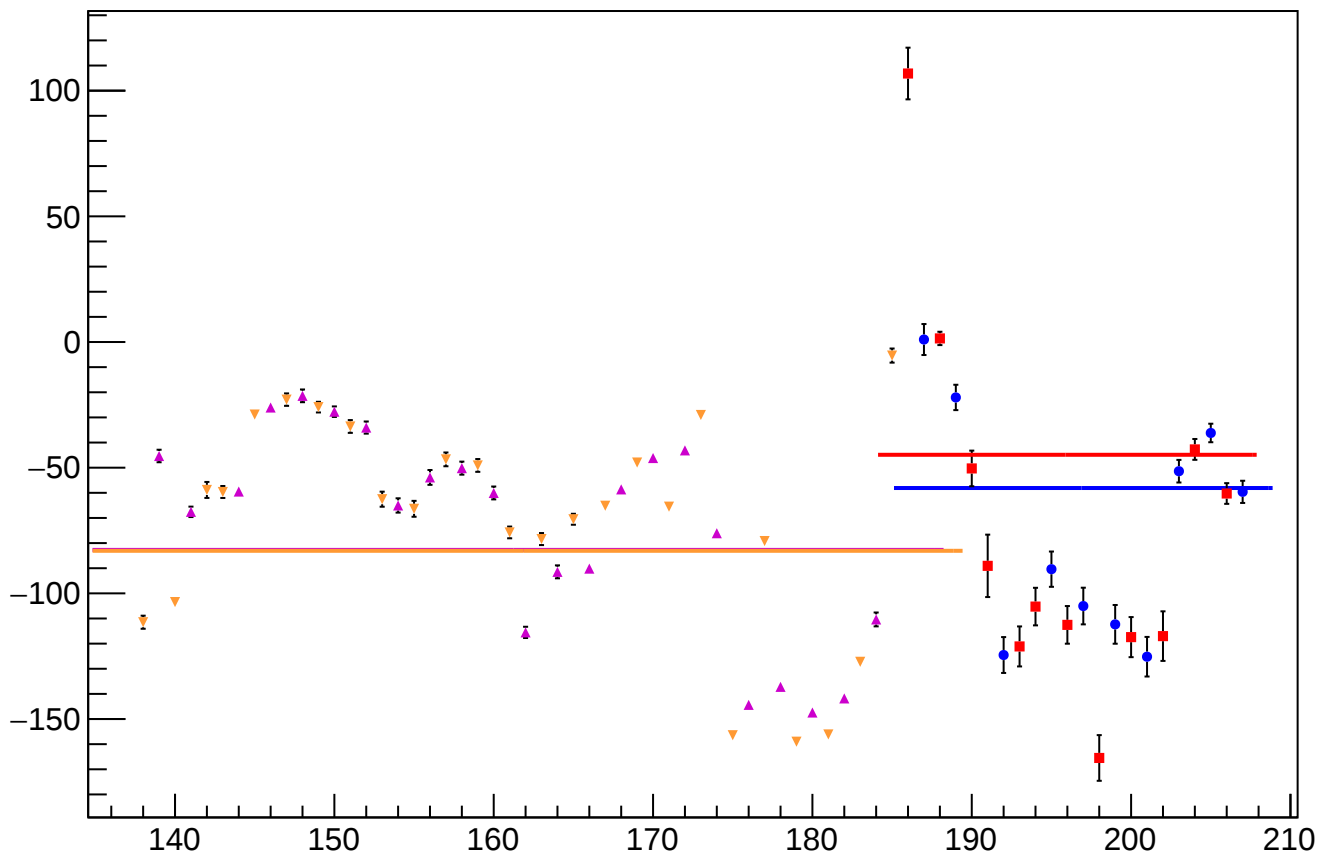
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.114 ± 0.006 $\chi^2/\text{NDF}: 1862.5/51$

All: 0.112 ± 0.004 $\chi^2/\text{NDF}: 4805.5/105$

- sign 0.111 ± 0.006 $\chi^2/\text{NDF}: 2942.9/53$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -58.089 ± 1.736 $\chi^2/\text{NDF}: 452.1/9$

Left Out: -83.068 ± 0.406 $\chi^2/\text{NDF}: 13817.3/24$

Right Out: -44.868 ± 1.612 $\chi^2/\text{NDF}: 1100.9/11$

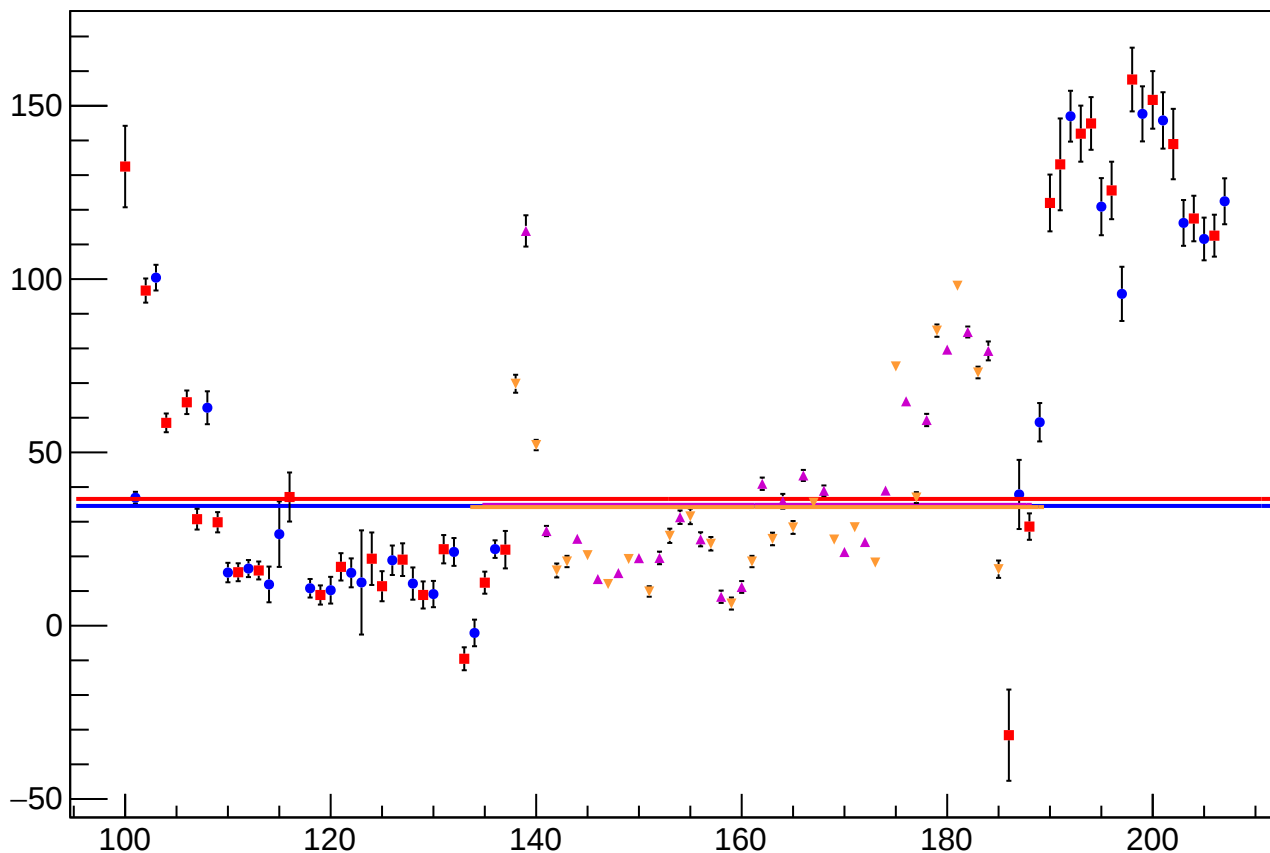
Left In: -82.711 ± 0.415 $\chi^2/\text{NDF}: 10841.4/22$

+ sign -81.771 ± 0.396 $\chi^2/\text{NDF}: 14465.8/34$

All: -81.076 ± 0.282 $\chi^2/\text{NDF}: 26930.9/69$

- sign -80.358 ± 0.402 $\chi^2/\text{NDF}: 12458.9/34$

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 34.555 ± 0.761 $\chi^2/\text{NDF}: 2124.3/26$

Left Out: 34.219 ± 0.320 $\chi^2/\text{NDF}: 6192.6/24$

Right Out: 36.576 ± 0.756 $\chi^2/\text{NDF}: 2594.4/30$

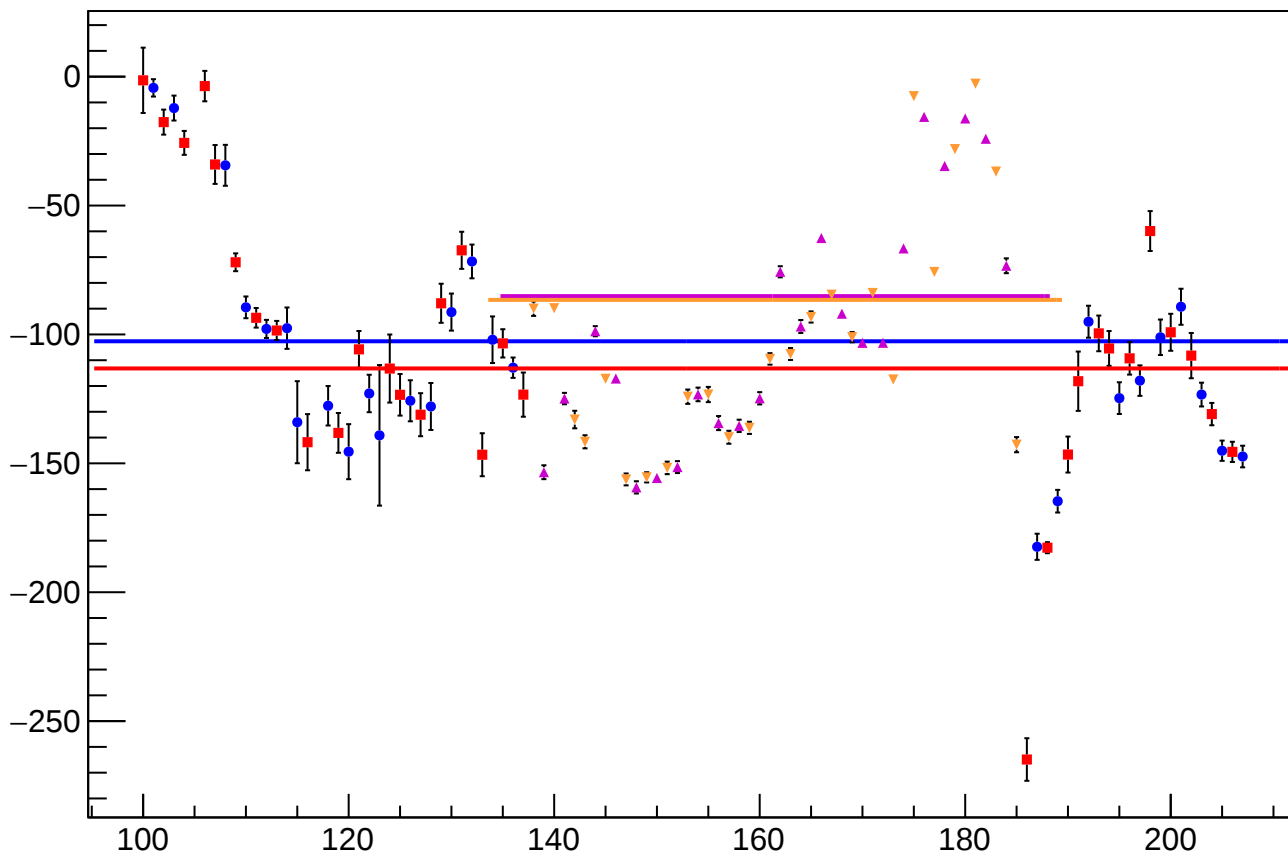
Left In: 34.870 ± 0.329 $\chi^2/\text{NDF}: 4716.1/22$

+ sign 34.270 ± 0.295 $\chi^2/\text{NDF}: 8317.0/51$

All: 34.696 ± 0.211 $\chi^2/\text{NDF}: 15636.2/105$

- sign 35.142 ± 0.302 $\chi^2/\text{NDF}: 7314.9/53$

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -102.652+/-1.067 χ^2/NDF : 2097.3/26

Left Out: -86.595+/-0.408 χ^2/NDF : 14515.7/24

Right Out: -113.190+/-0.980 χ^2/NDF : 3113.1/30

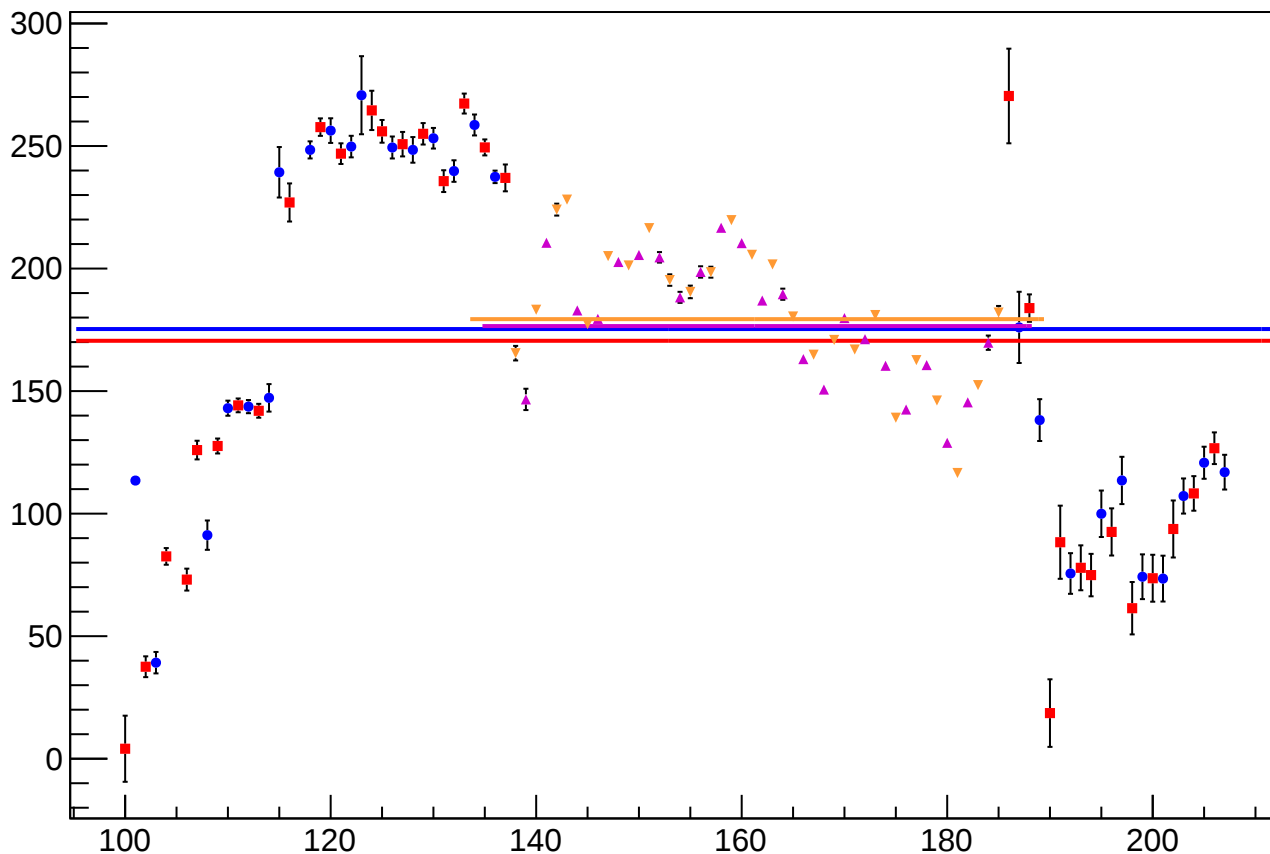
Left In: -85.134+/-0.415 χ^2/NDF : 12841.3/22

+ sign -88.648+/-0.381 χ^2/NDF : 16810.5/51

All: -89.023+/-0.270 χ^2/NDF : 33461.7/105

- sign -89.400+/-0.382 χ^2/NDF : 16649.2/53

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 175.320 ± 0.870 χ^2/NDF : 6132.8/26

Left Out: 179.359 ± 0.362 χ^2/NDF : 5982.2/24

Right Out: 170.529 ± 0.870 χ^2/NDF : 7247.7/30

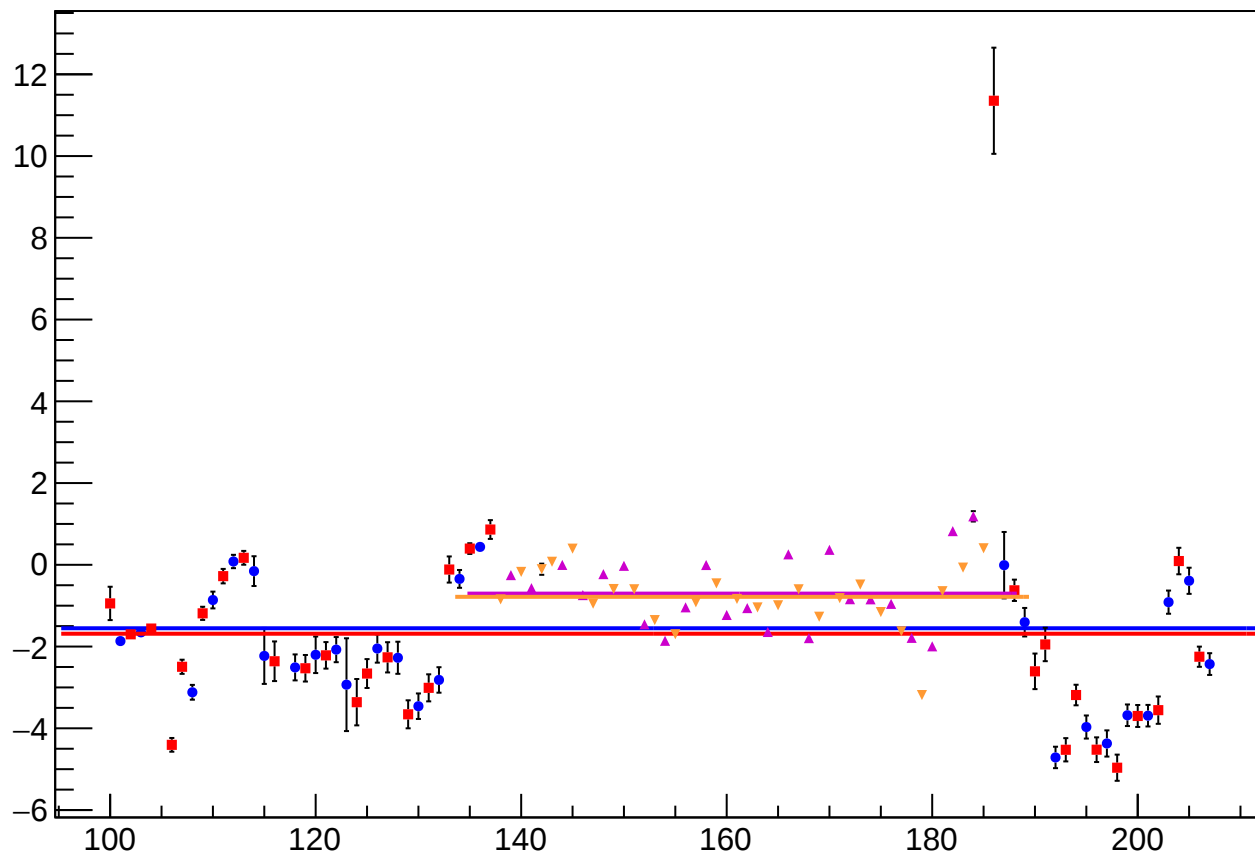
Left In: 176.531 ± 0.371 χ^2/NDF : 4426.0/22

+ sign 178.763 ± 0.334 χ^2/NDF : 12133.4/51

All: 177.219 ± 0.239 χ^2/NDF : 23890.9/105

- sign 175.609 ± 0.341 χ^2/NDF : 11713.9/53

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.552 ± 0.043 χ^2/NDF : 1135.0/26

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.686 ± 0.041 χ^2/NDF : 1534.9/30

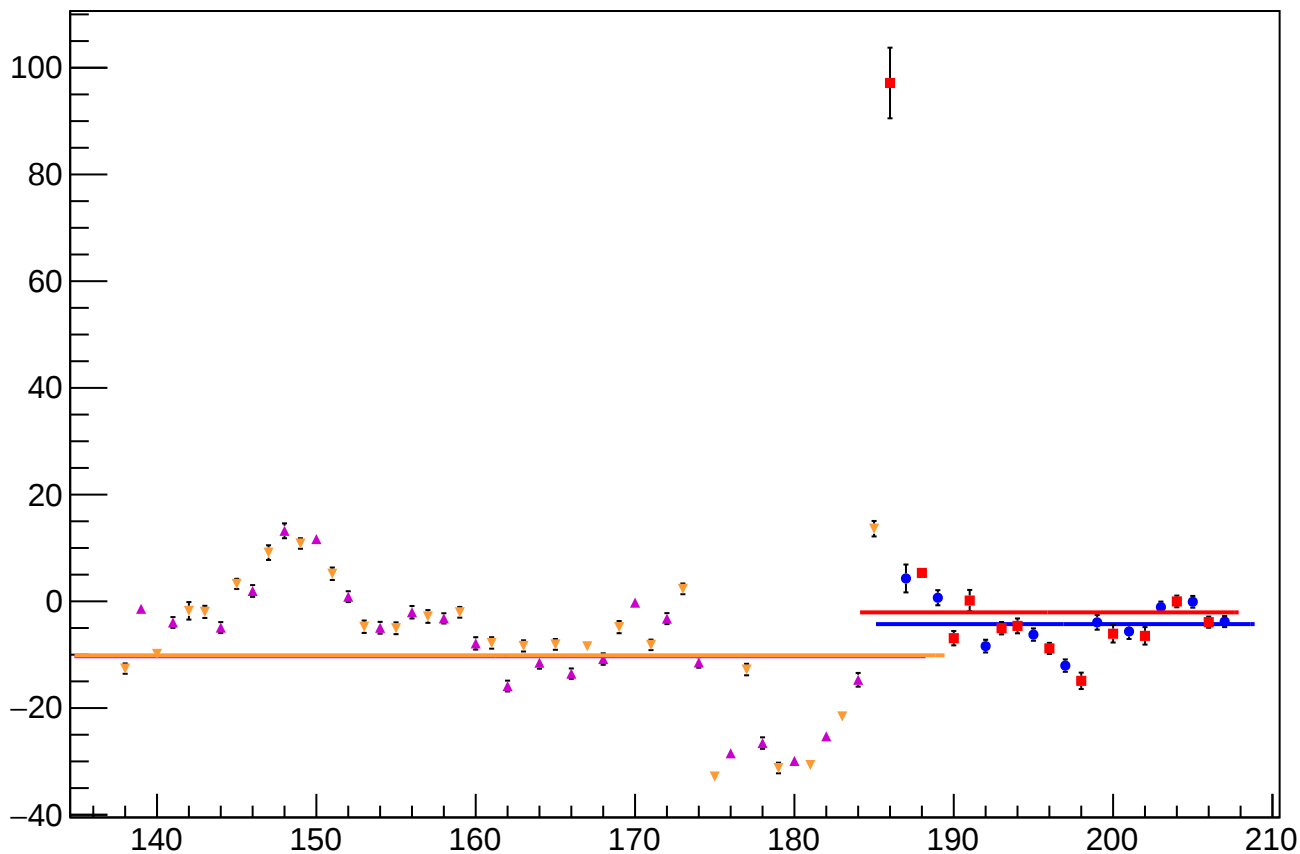
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.883 ± 0.015 χ^2/NDF : 3185.3/51

All: -0.866 ± 0.011 χ^2/NDF : 7623.2/105

- sign -0.849 ± 0.016 χ^2/NDF : 4435.4/53

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -4.268 ± 0.390 χ^2/NDF : 107.9/9

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -2.069 ± 0.346 χ^2/NDF : 513.6/11

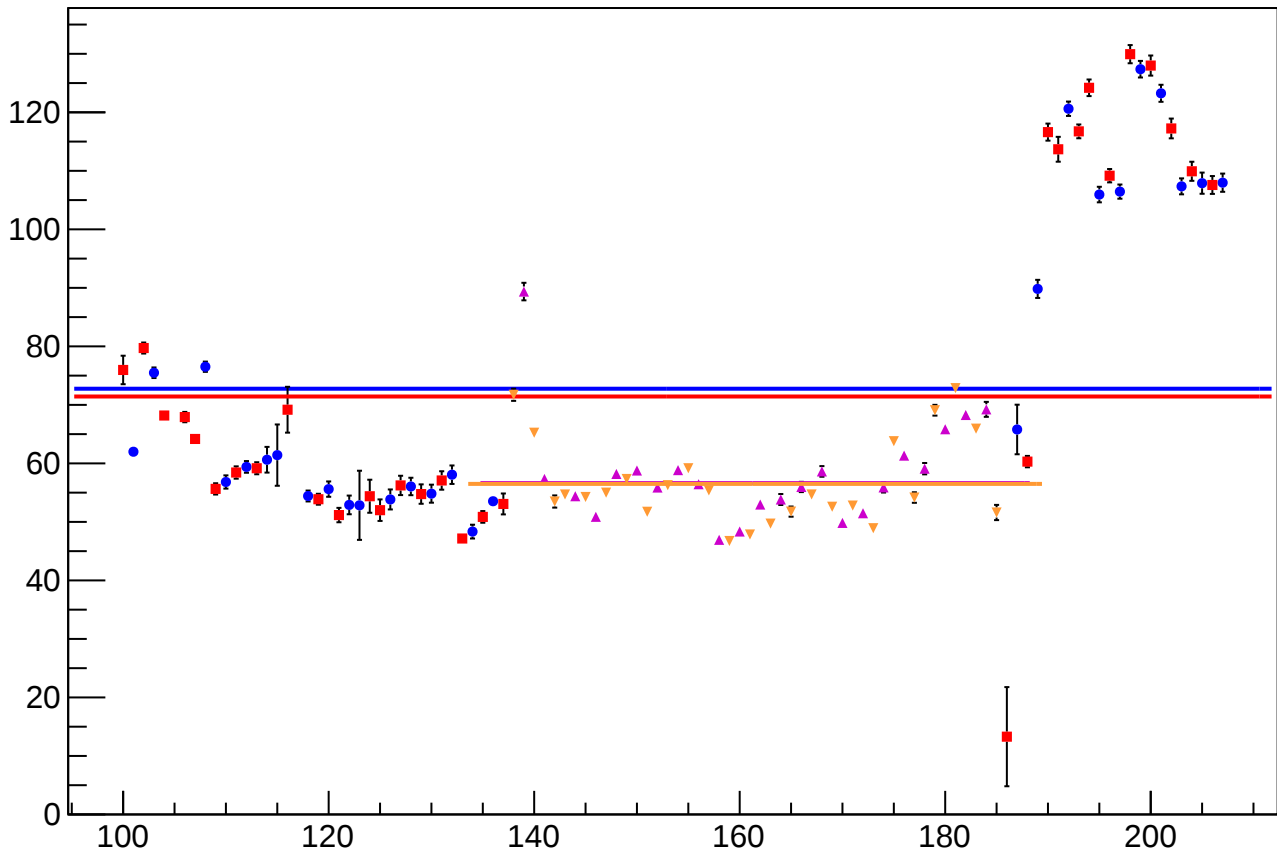
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -8.886 ± 0.179 χ^2/NDF : 4423.5/34

All: -8.512 ± 0.126 χ^2/NDF : 8814.1/69

- sign -8.148 ± 0.177 χ^2/NDF : 4381.9/34

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 72.762 ± 0.229 $\chi^2/\text{NDF}: 10307.6/26$

Left Out: 56.496 ± 0.159 $\chi^2/\text{NDF}: 1968.0/24$

Right Out: 71.432 ± 0.214 $\chi^2/\text{NDF}: 13503.4/30$

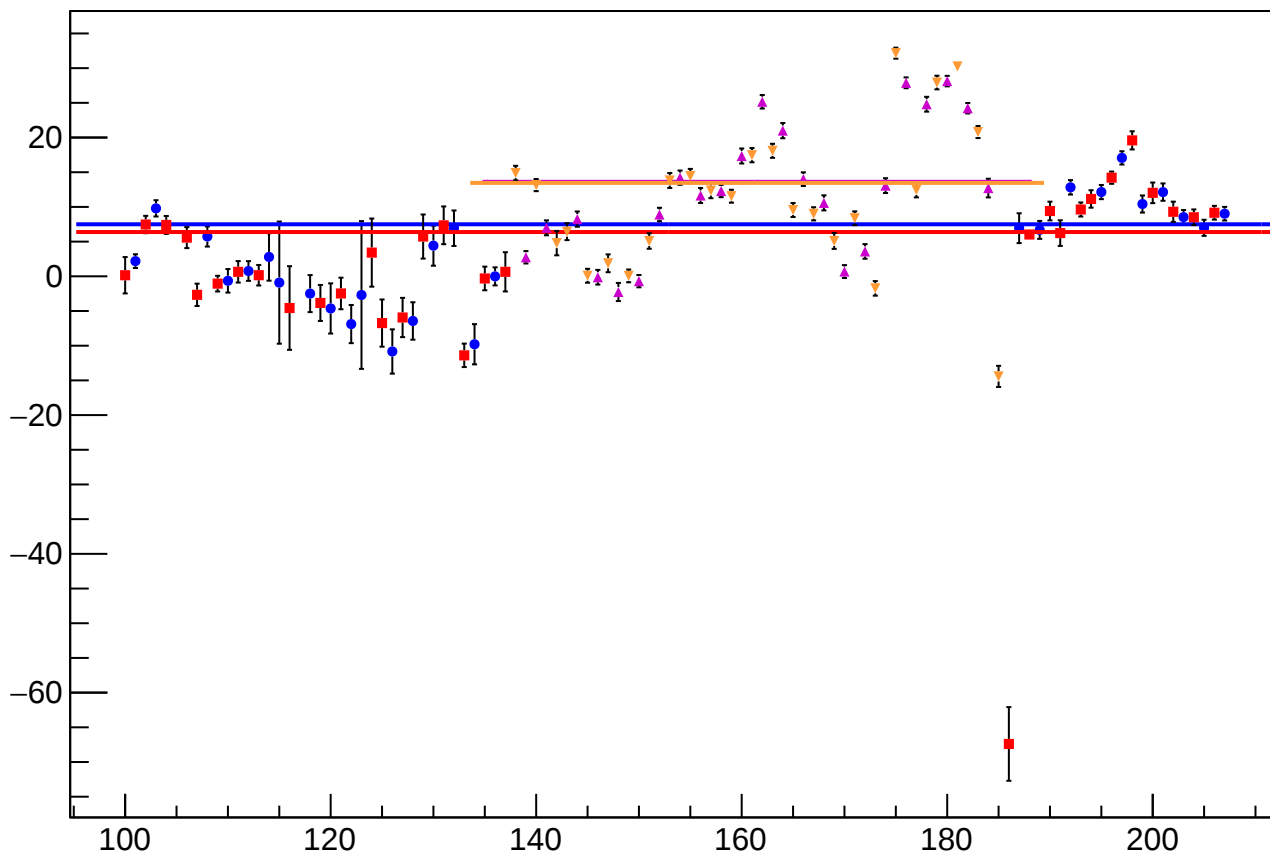
Left In: 56.635 ± 0.165 $\chi^2/\text{NDF}: 1607.9/22$

+ sign 61.774 ± 0.131 $\chi^2/\text{NDF}: 15677.1/51$

All: 61.972 ± 0.092 $\chi^2/\text{NDF}: 33796.3/105$

- sign 62.170 ± 0.131 $\chi^2/\text{NDF}: 18114.6/53$

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.499 ± 0.282 χ^2/NDF : 436.1/26

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.381 ± 0.248 χ^2/NDF : 745.8/30

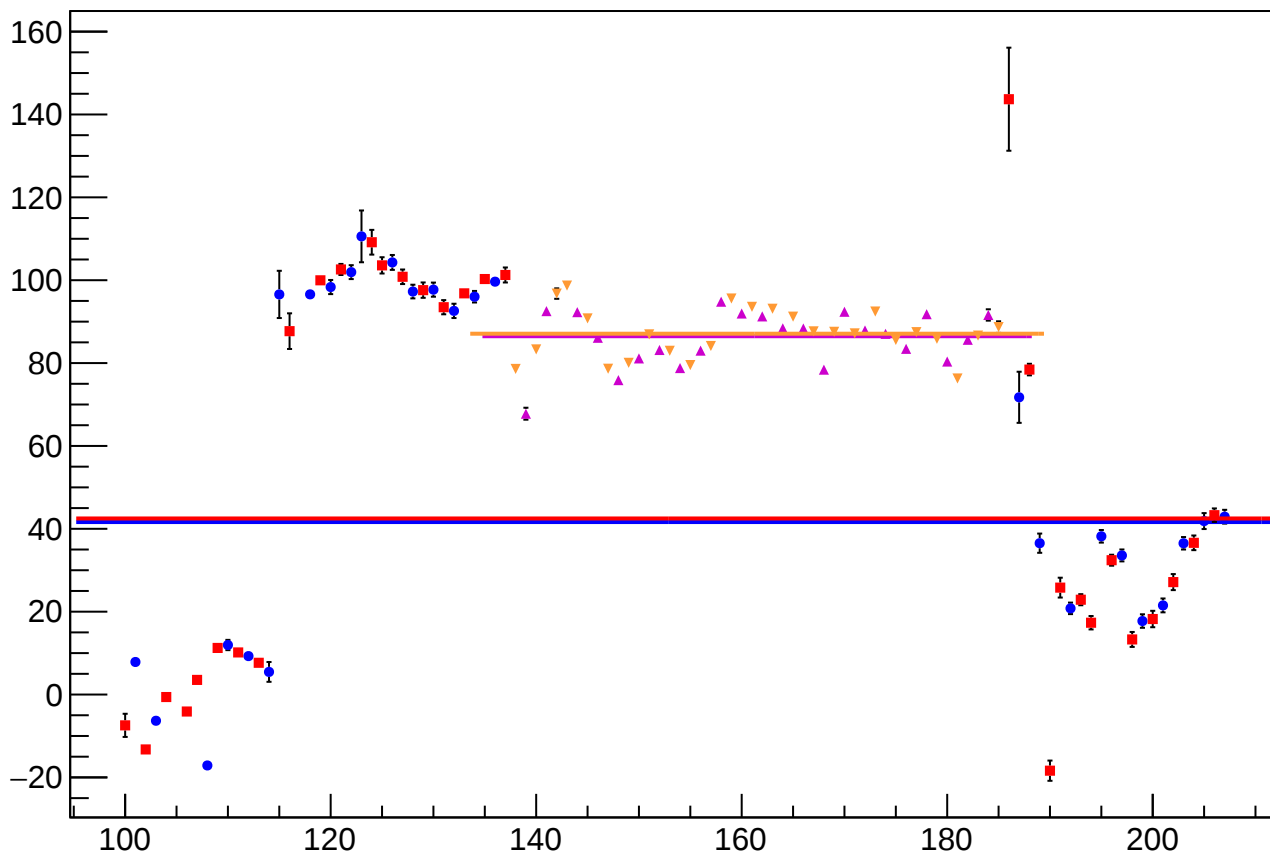
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.449 ± 0.164 χ^2/NDF : 3468.2/51

All: 11.051 ± 0.114 χ^2/NDF : 7049.1/105

- sign 10.684 ± 0.158 χ^2/NDF : 3569.6/53

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 41.631 ± 0.265 χ^2/NDF : 25471.1/26

Left Out: 87.087 ± 0.179 χ^2/NDF : 1085.8/24

Right Out: 42.495 ± 0.251 χ^2/NDF : 30757.1/30

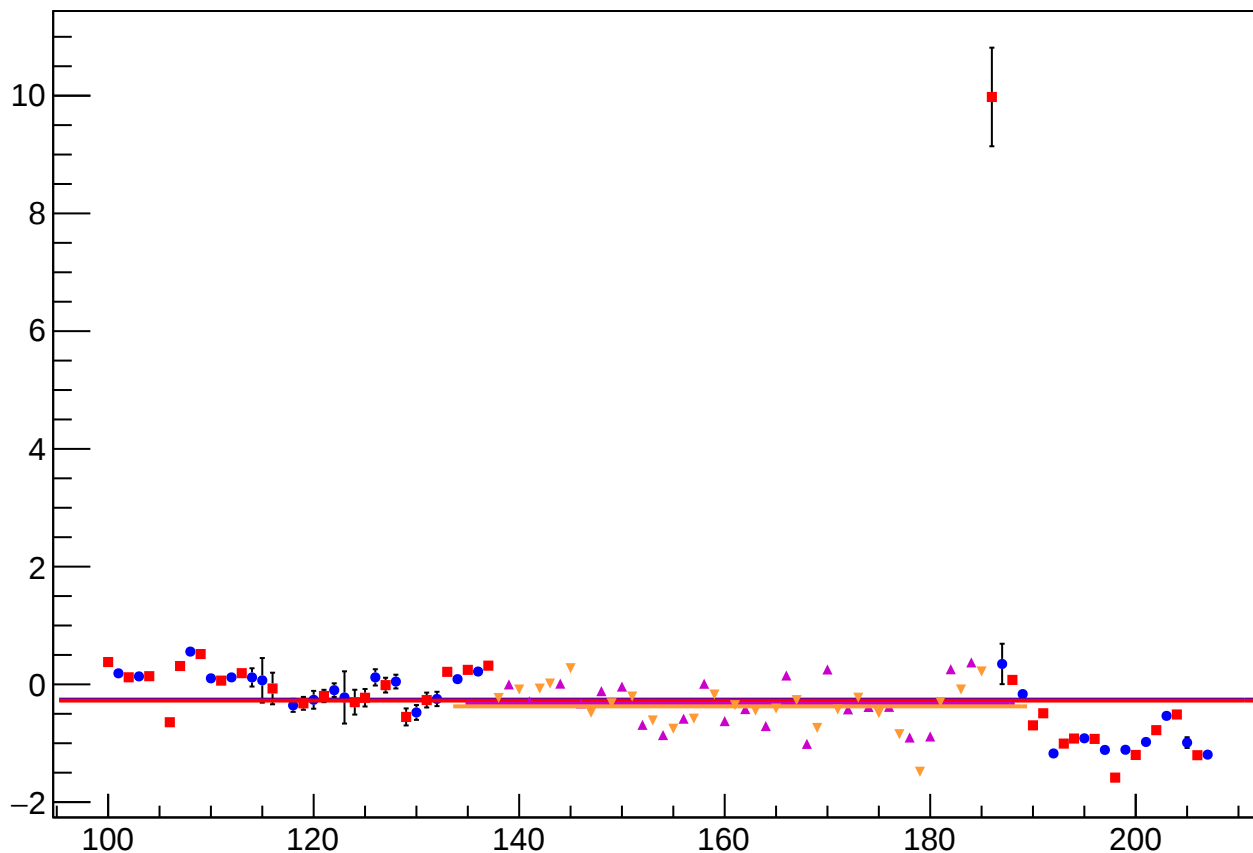
Left In: 86.482 ± 0.185 χ^2/NDF : 1003.2/22

+ sign 72.863 ± 0.148 χ^2/NDF : 46718.2/51

All: 71.973 ± 0.105 χ^2/NDF : 98431.4/105

- sign 71.078 ± 0.149 χ^2/NDF : 51641.0/53

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.260 ± 0.011 χ^2/NDF : 3178.1/26

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.275 ± 0.010 χ^2/NDF : 3557.2/30

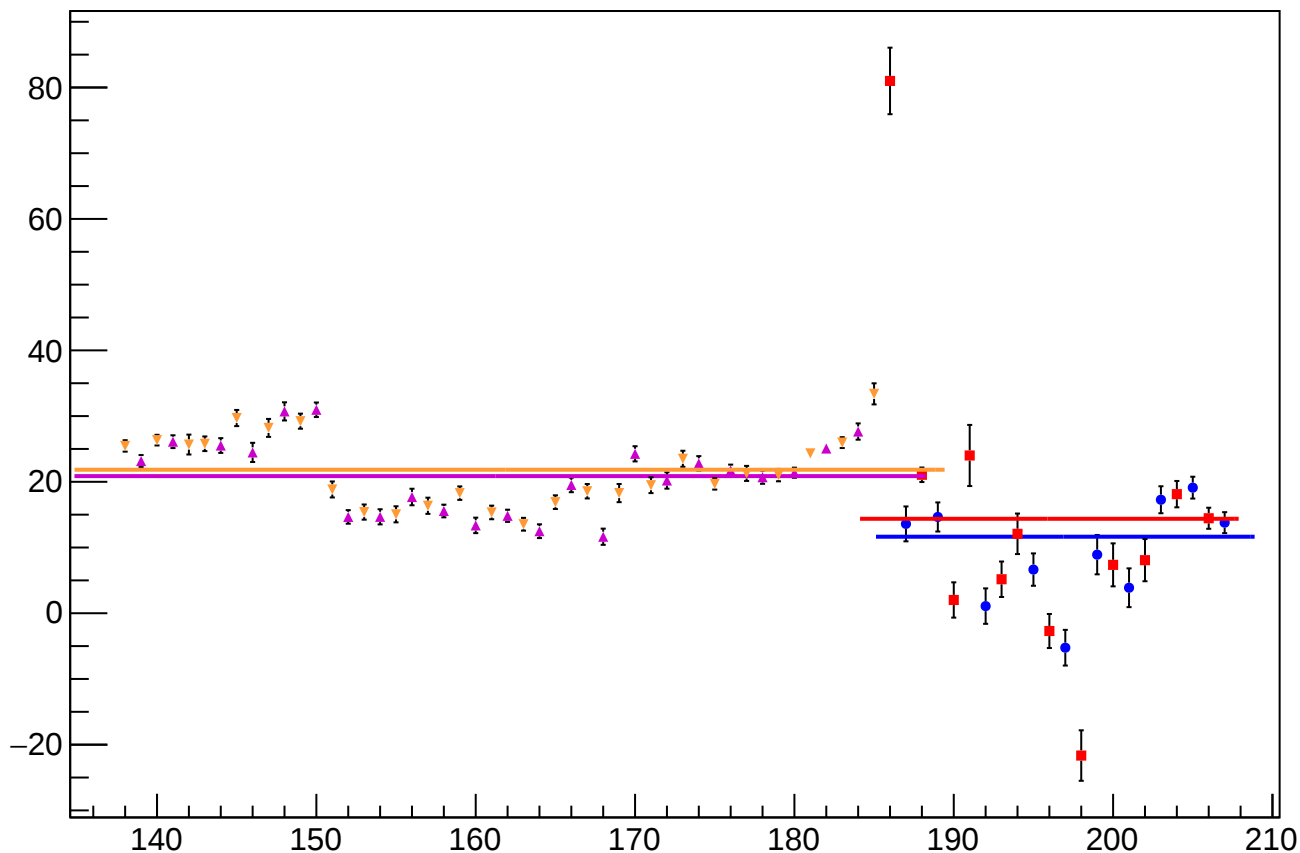
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.333 ± 0.007 χ^2/NDF : 4916.4/51

All: -0.319 ± 0.005 χ^2/NDF : 10781.6/105

- sign -0.305 ± 0.006 χ^2/NDF : 5856.1/53

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 11.645 $\pm$ 0.707 χ^2 /NDF: 97.7/9

Left Out: 21.836 $\pm$ 0.210 χ^2 /NDF: 524.3/24

Right Out: 14.373 $\pm$ 0.655 χ^2 /NDF: 390.9/11

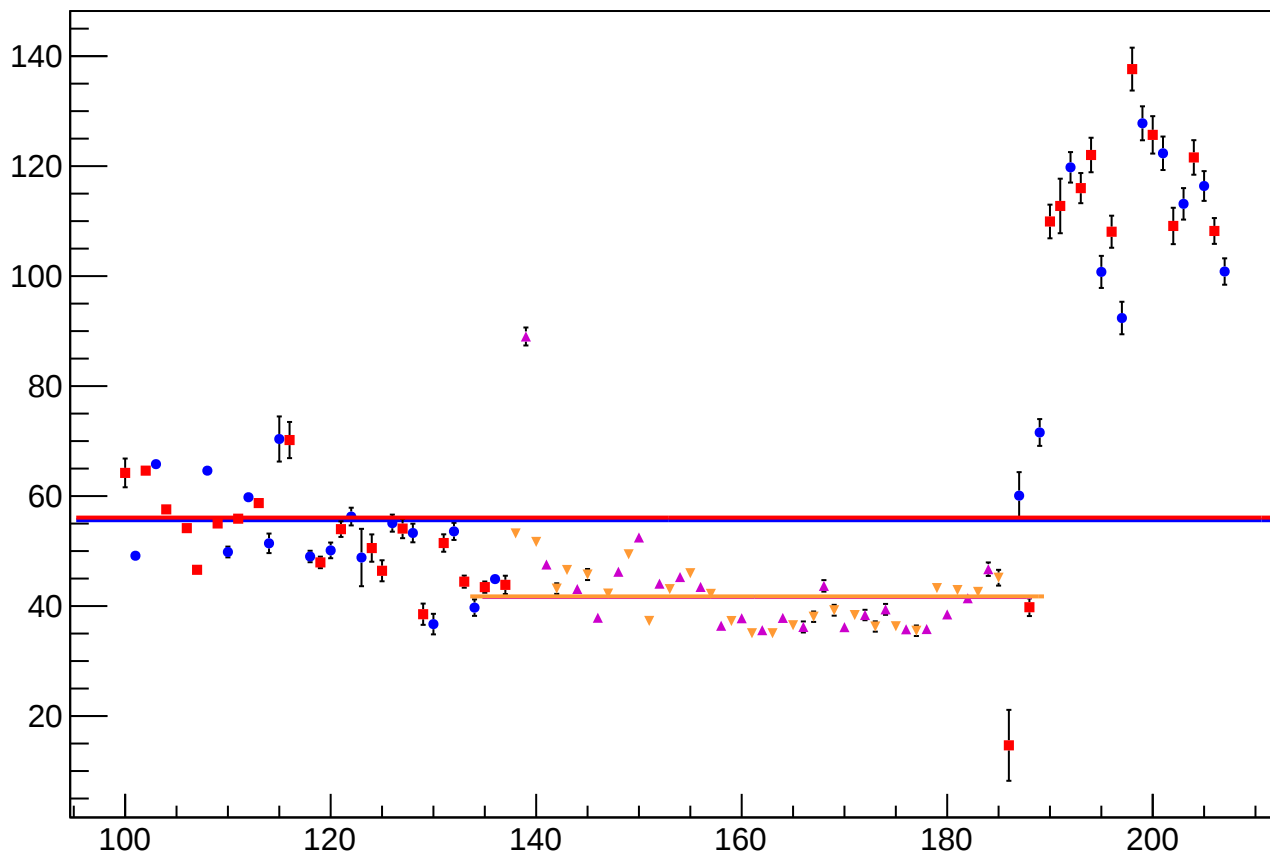
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 21.011 $\pm$ 0.201 χ^2 /NDF: 813.1/34

All: 20.628 $\pm$ 0.144 χ^2 /NDF: 1876.7/69

- sign 20.226 $\pm$ 0.206 χ^2 /NDF: 1056.2/34

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 55.611 $\pm$ 0.205 χ^2 /NDF: 4616.5/26

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 56.087 $\pm$ 0.219 χ^2 /NDF: 4889.4/30

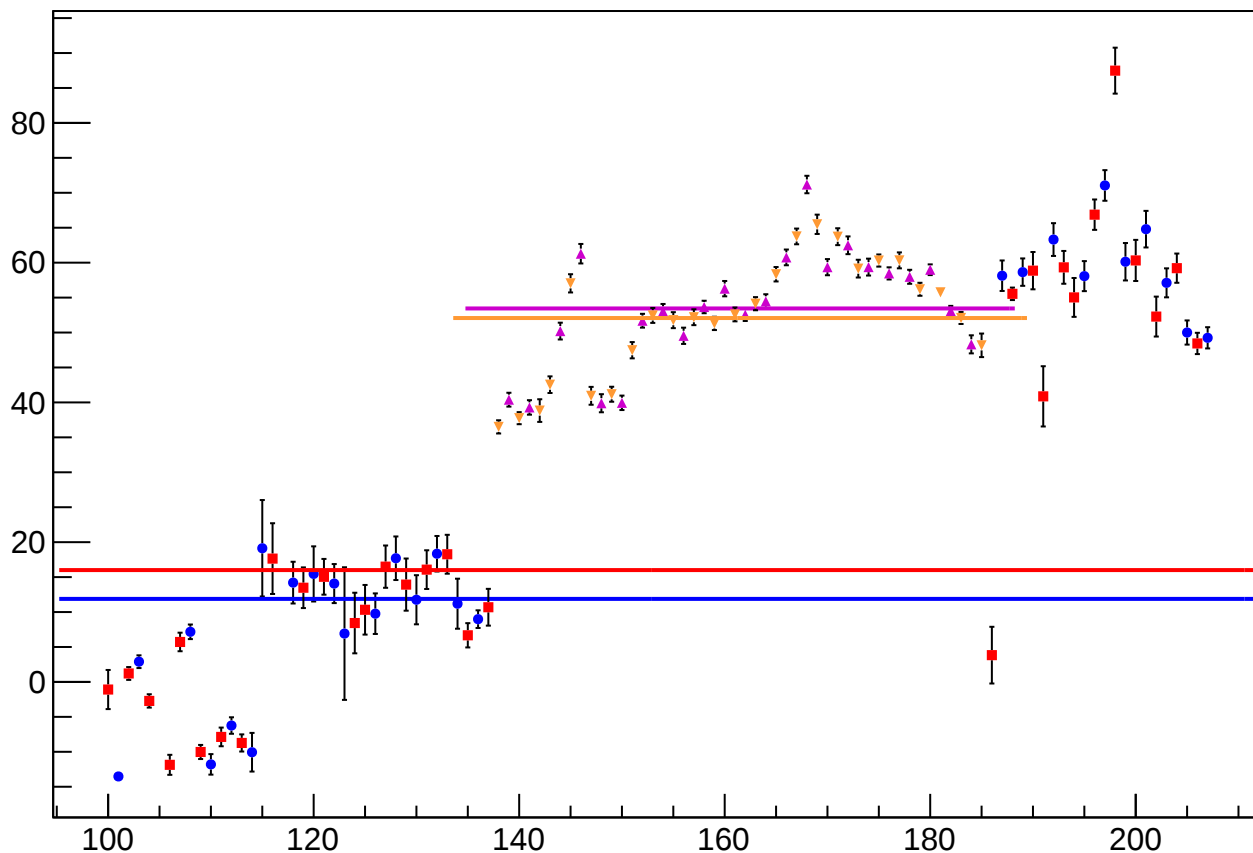
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 47.202 $\pm$ 0.129 χ^2 /NDF: 8390.9/51

All: 47.214 $\pm$ 0.094 χ^2 /NDF: 17562.7/105

- sign 47.228 $\pm$ 0.136 χ^2 /NDF: 9171.8/53

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 11.883 $\pm$ 0.318 χ^2 /NDF: 7357.4/26

Left Out: 52.076 $\pm$ 0.210 χ^2 /NDF:1450.9/24

Right Out: 16.006 $\pm$ 0.315 χ^2 /NDF: 7637.2/30

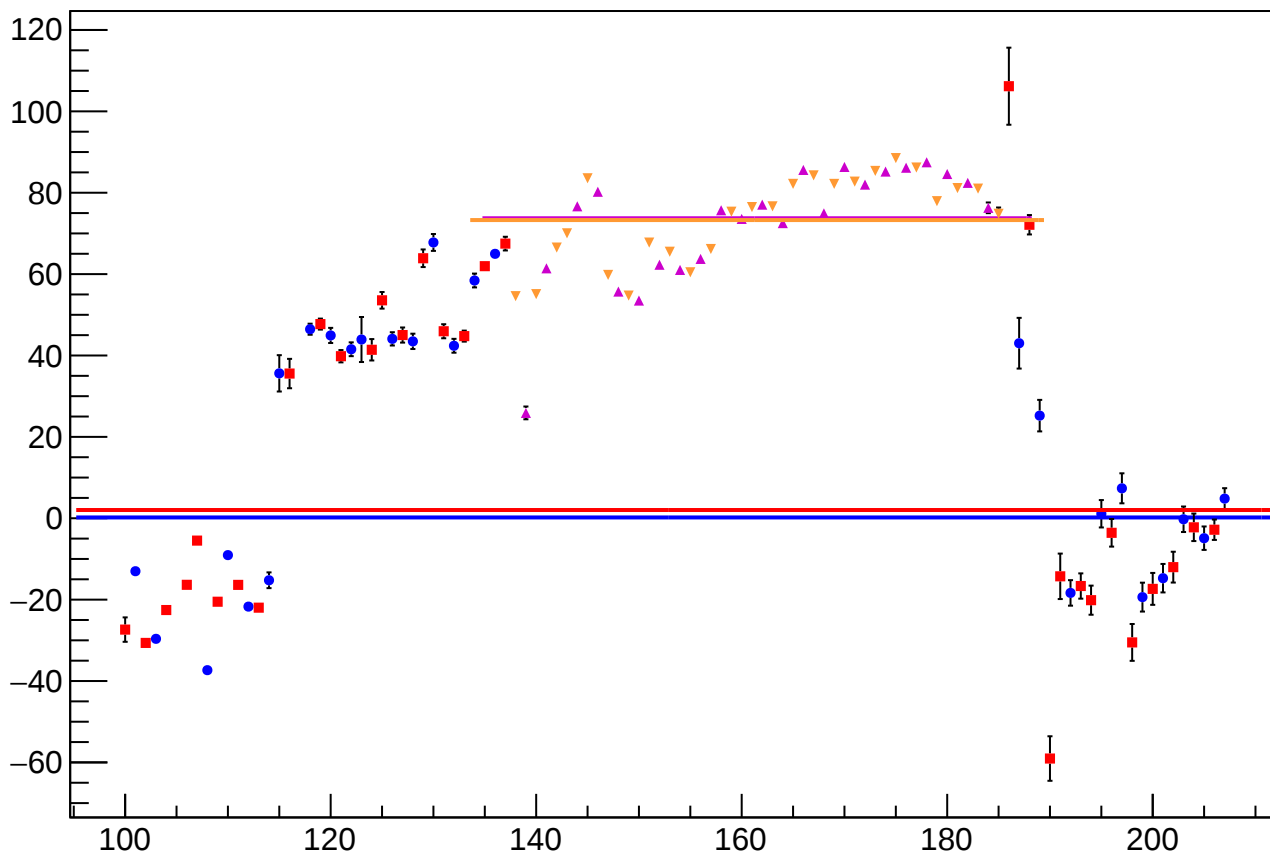
Left In: 53.447 $\pm$ 0.215 χ^2 /NDF:1169.0/22

+ sign 39.875 $\pm$ 0.175 χ^2 /NDF: 19928.1/51

All: 40.697 $\pm$ 0.125 χ^2 /NDF: 38388.1/105

- sign 41.545 $\pm$ 0.178 χ^2 /NDF: 18415.3/53

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.199 ± 0.241 $\chi^2/\text{NDF}: 18402.9/26$

Left Out: 73.284 ± 0.187 $\chi^2/\text{NDF}: 3144.2/24$

Right Out: 2.027 ± 0.258 $\chi^2/\text{NDF}: 16705.3/30$

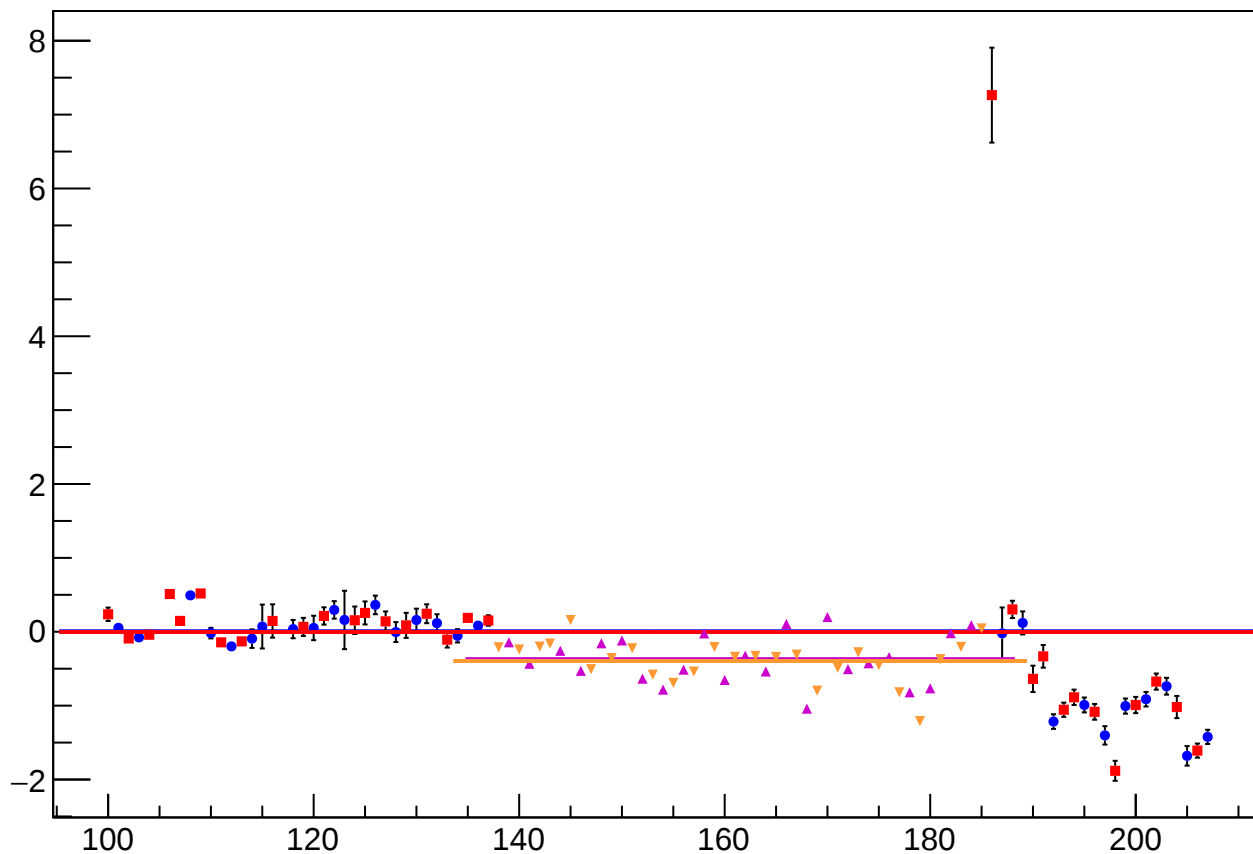
Left In: 73.730 ± 0.194 $\chi^2/\text{NDF}: 3775.8/22$

+ sign 45.866 ± 0.148 $\chi^2/\text{NDF}: 78944.6/51$

All: 46.783 ± 0.107 $\chi^2/\text{NDF}: 148742.9/105$

- sign 47.797 ± 0.155 $\chi^2/\text{NDF}: 69717.1/53$

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.006 ± 0.011 $\chi^2/\text{NDF}: 1467.2/26$

Left Out: -0.396 ± 0.009 $\chi^2/\text{NDF}: 950.0/24$

Right Out: -0.003 ± 0.011 $\chi^2/\text{NDF}: 1544.2/30$

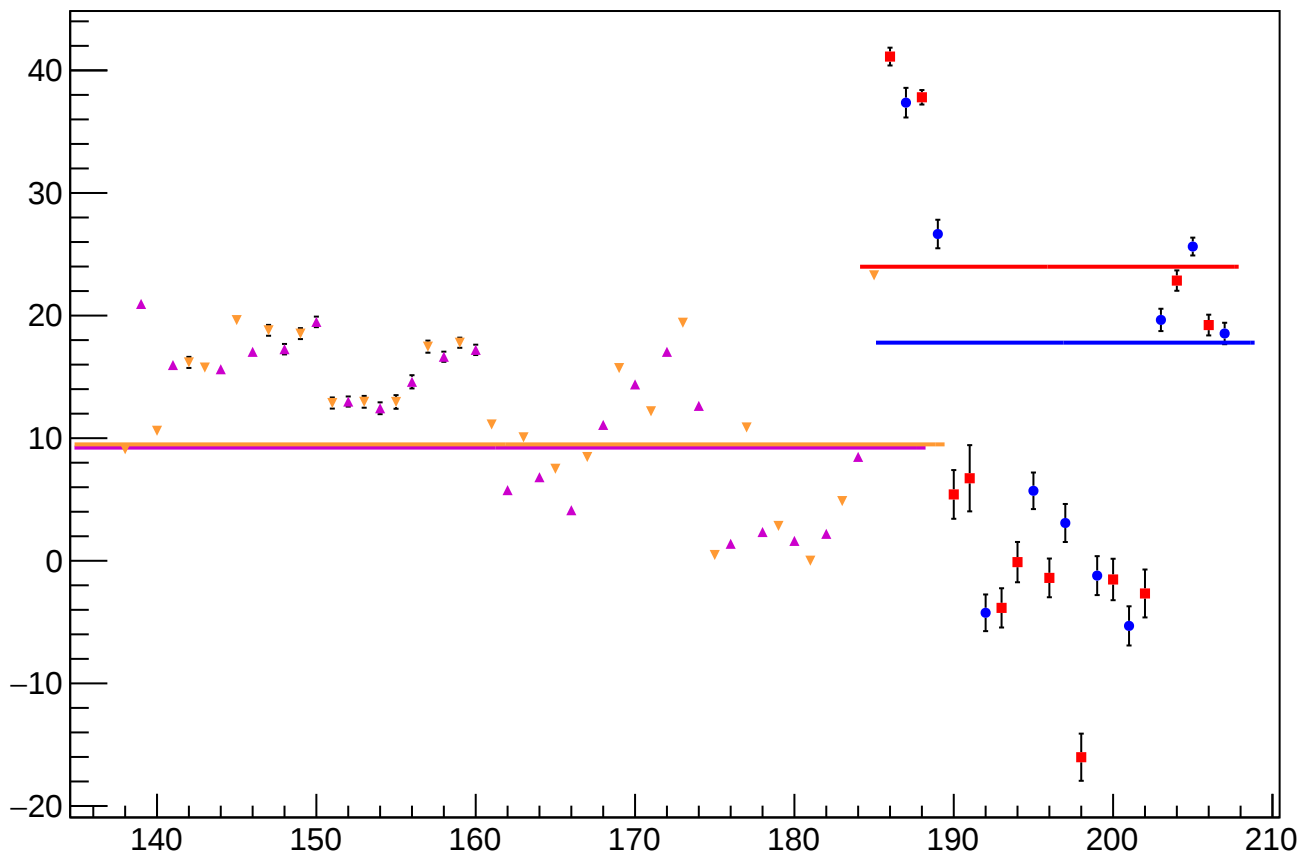
Left In: -0.371 ± 0.009 $\chi^2/\text{NDF}: 1313.7/22$

+ sign -0.237 ± 0.007 $\chi^2/\text{NDF}: 3292.1/51$

All: -0.229 ± 0.005 $\chi^2/\text{NDF}: 6879.2/105$

- sign -0.221 ± 0.007 $\chi^2/\text{NDF}: 3584.3/53$

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 17.792 ± 0.355 $\chi^2/\text{NDF}: 1166.2/9$

Left Out: 9.495 ± 0.061 $\chi^2/\text{NDF}: 12609.1/24$

Right Out: 23.986 ± 0.316 $\chi^2/\text{NDF}: 2886.6/11$

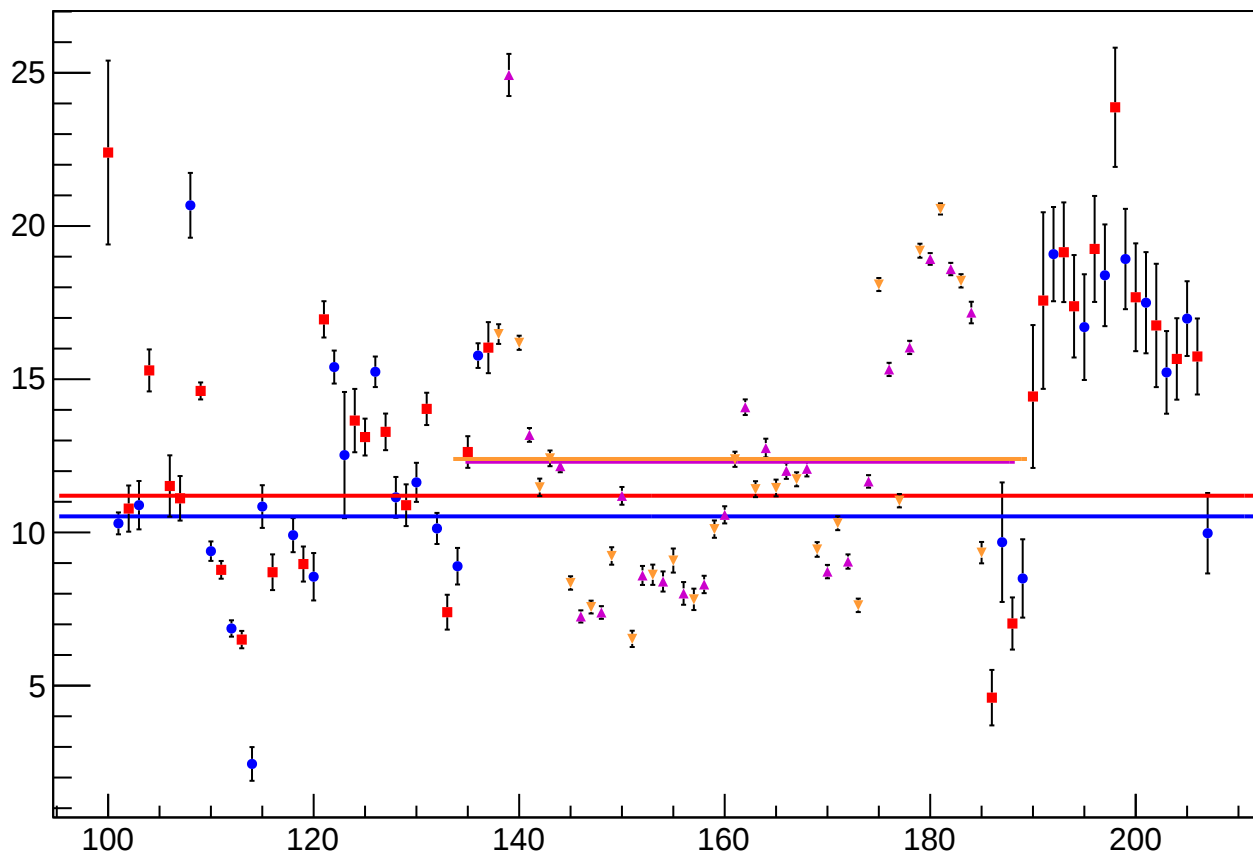
Left In: 9.231 ± 0.063 $\chi^2/\text{NDF}: 10736.2/22$

+ sign 9.734 ± 0.060 $\chi^2/\text{NDF}: 14305.3/34$

All: 9.765 ± 0.043 $\chi^2/\text{NDF}: 30029.6/69$

- sign 9.797 ± 0.062 $\chi^2/\text{NDF}: 15723.8/34$

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.524 $\pm$ 0.116 χ^2 /NDF: 1024.9/26

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 11.198 $\pm$ 0.112 χ^2 /NDF: 1048.8/30

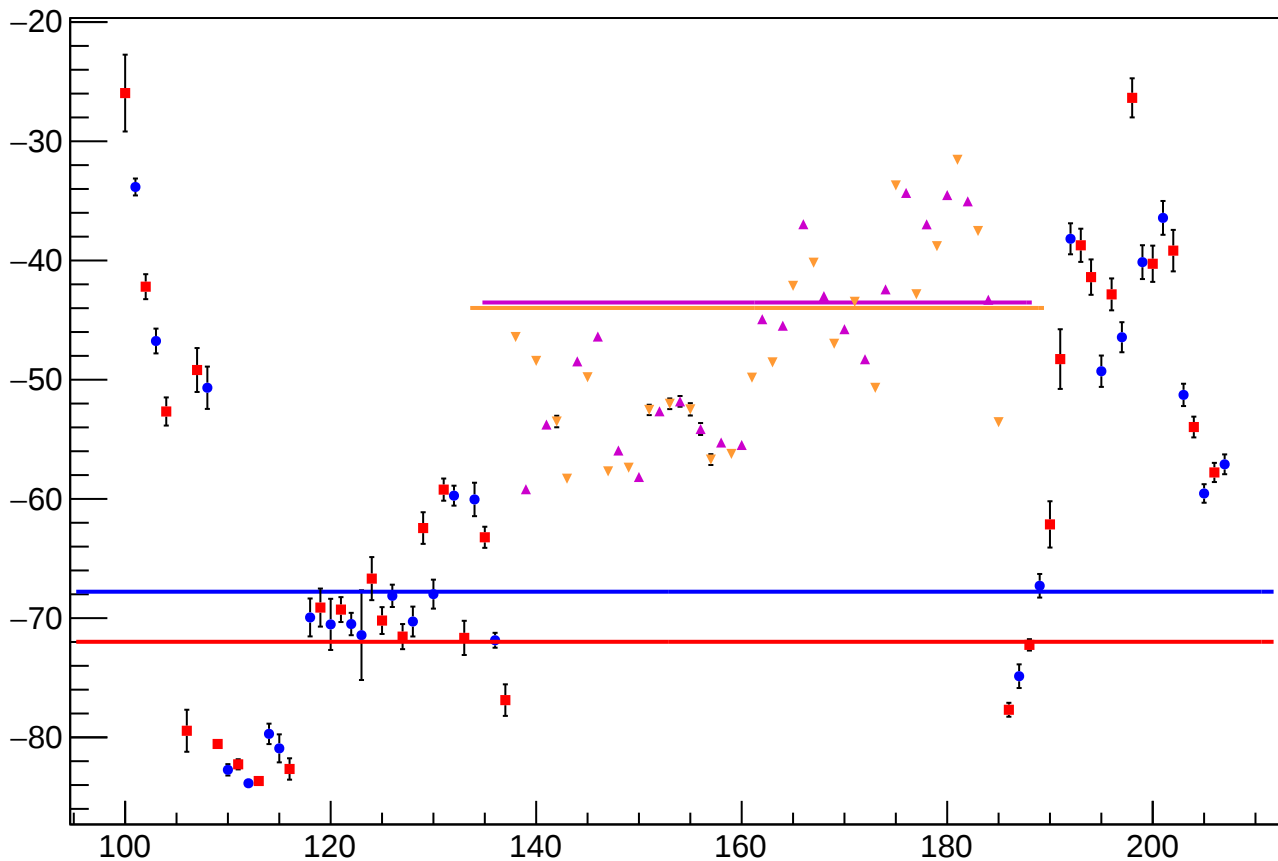
Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

+ sign 12.106 $\pm$ 0.046 χ^2 /NDF: 8788.3/51

All: 12.111 $\pm$ 0.033 χ^2 /NDF: 15520.0/105

- sign 12.115 $\pm$ 0.047 χ^2 /NDF: 6731.7/53

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -67.782 ± 0.170 χ^2/NDF : 8569.0/26

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -71.985 ± 0.151 χ^2/NDF : 7942.3/30

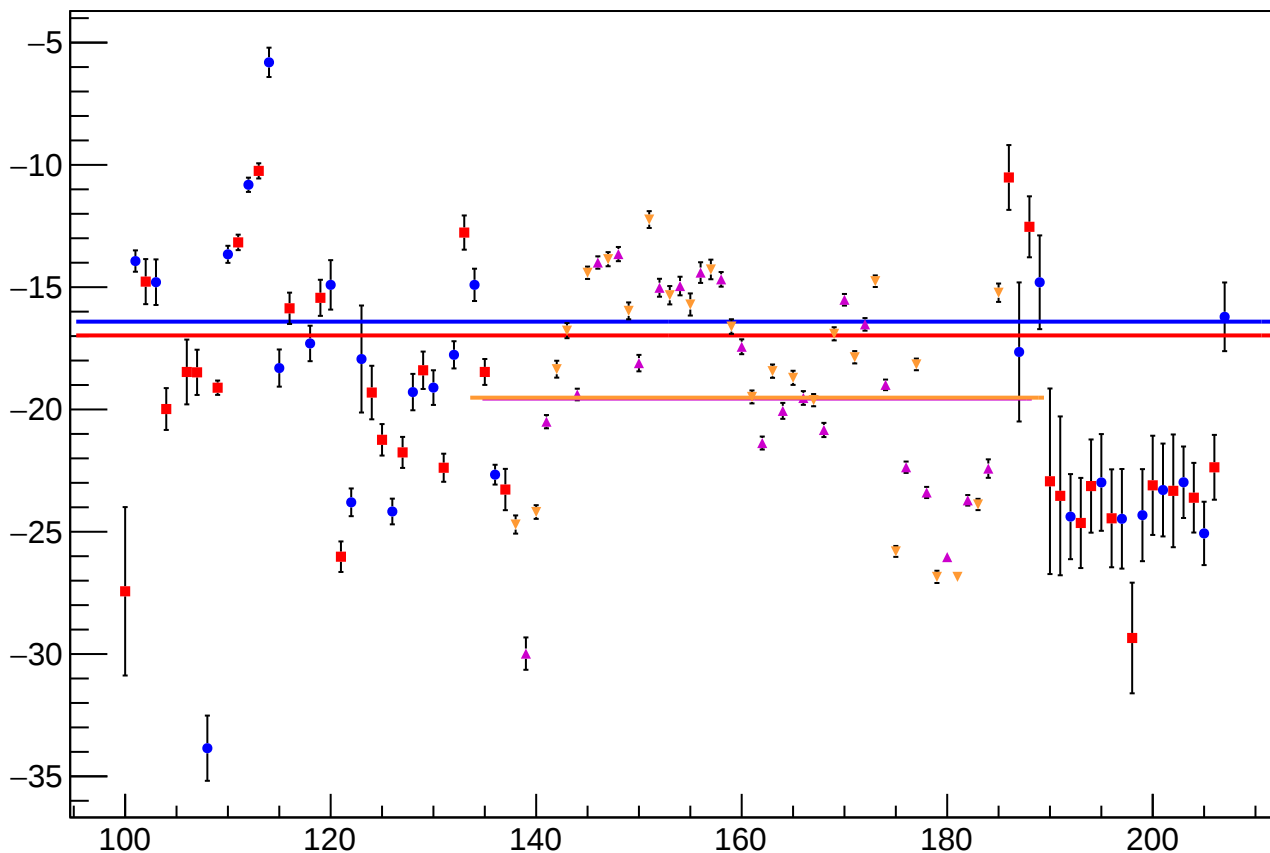
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -46.761 ± 0.058 χ^2/NDF : 43549.3/51

All: -47.264 ± 0.041 χ^2/NDF : 97051.9/105

- sign -47.770 ± 0.058 χ^2/NDF : 53352.9/53

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.409 ± 0.129 $\chi^2/\text{NDF}: 1770.9/26$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -16.973 ± 0.124 $\chi^2/\text{NDF}: 1383.1/30$

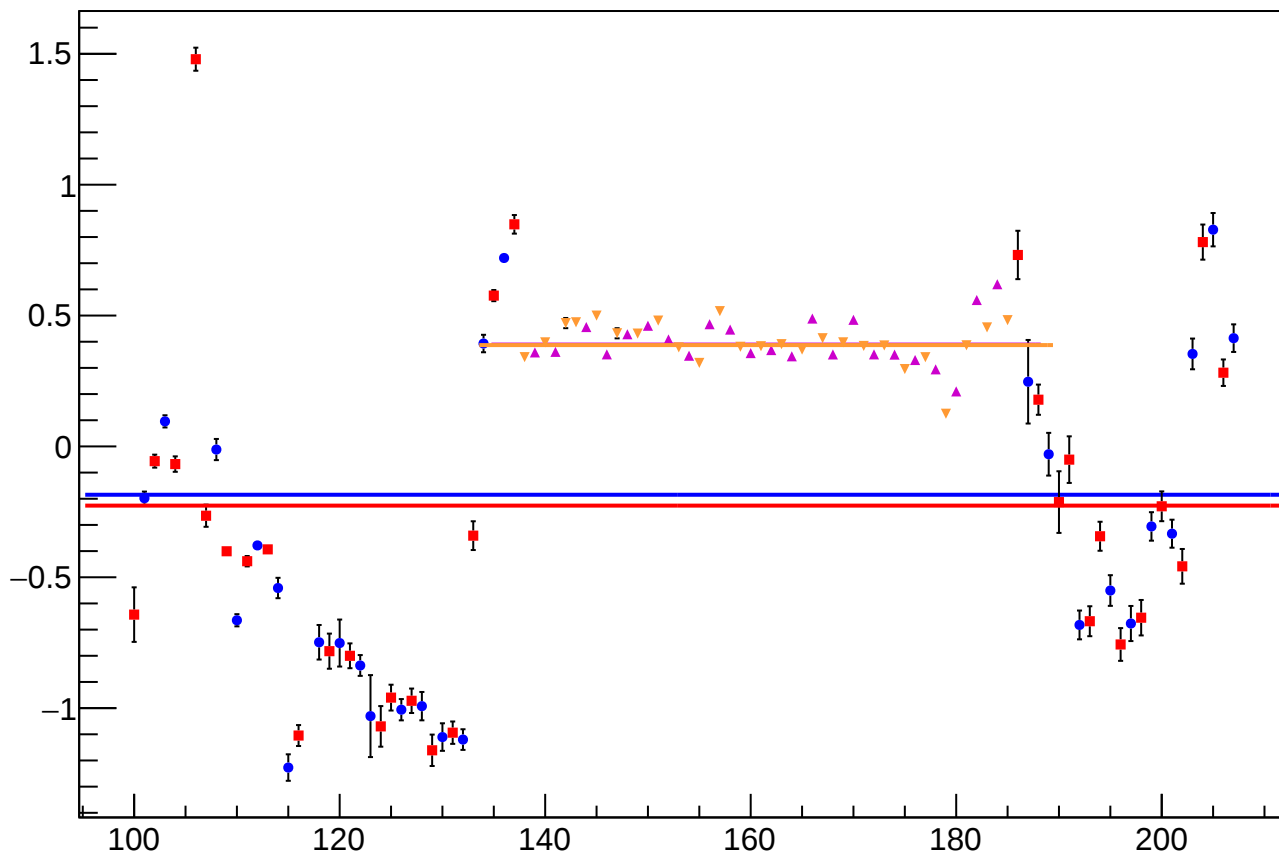
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.028 ± 0.051 $\chi^2/\text{NDF}: 8777.9/51$

All: -19.065 ± 0.037 $\chi^2/\text{NDF}: 14828.4/105$

- sign -19.103 ± 0.052 $\chi^2/\text{NDF}: 6049.4/53$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.185 ± 0.007 χ^2/NDF : 6982.0/26

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.226 ± 0.007 χ^2/NDF : 6853.9/30

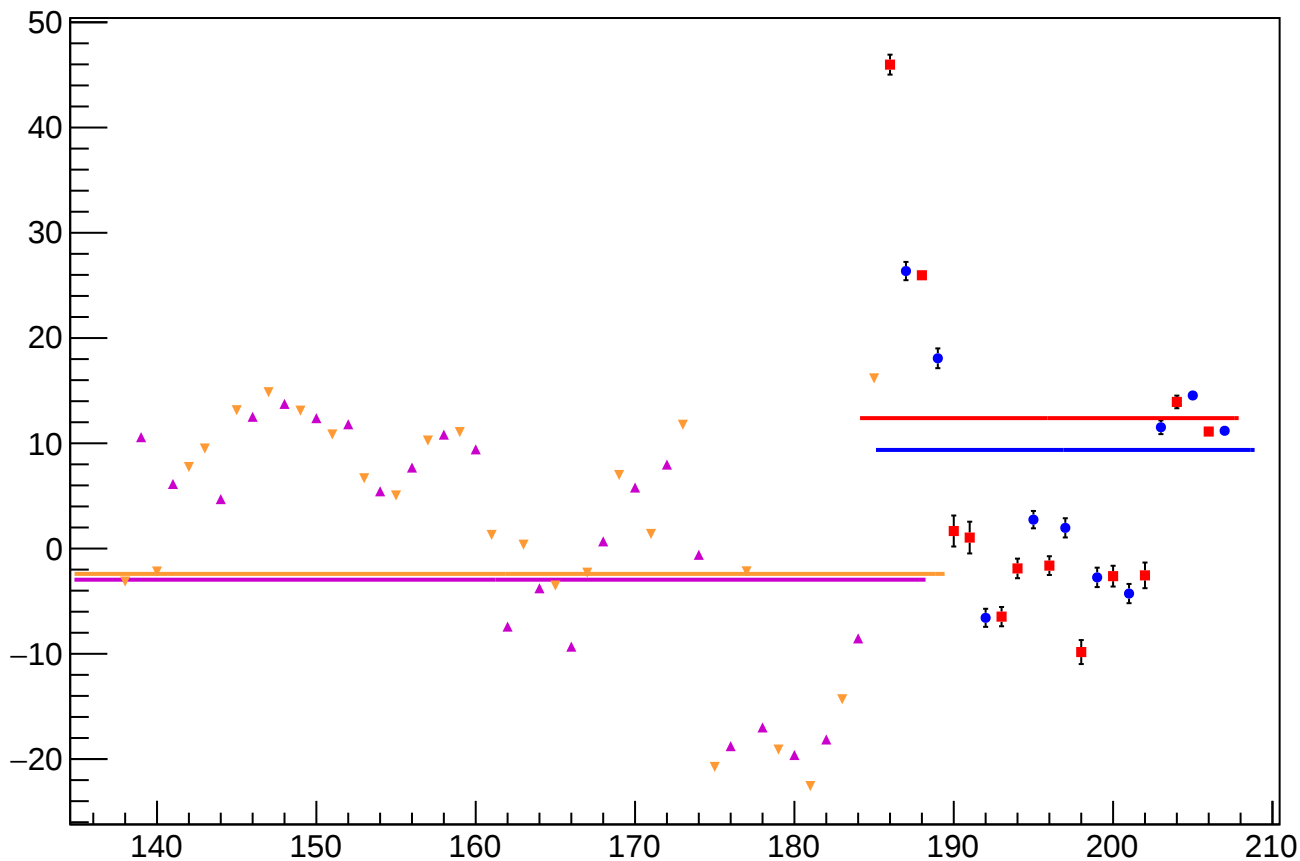
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.321 ± 0.002 χ^2/NDF : 13791.7/51

All: 0.314 ± 0.002 χ^2/NDF : 29223.7/105

- sign 0.308 ± 0.002 χ^2/NDF : 15417.9/53

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 9.370 ± 0.219 χ^2/NDF : 1491.6/9

Left Out: -2.407 ± 0.053 χ^2/NDF : 56368.5/24

Right Out: 12.392 ± 0.215 χ^2/NDF : 4056.1/11

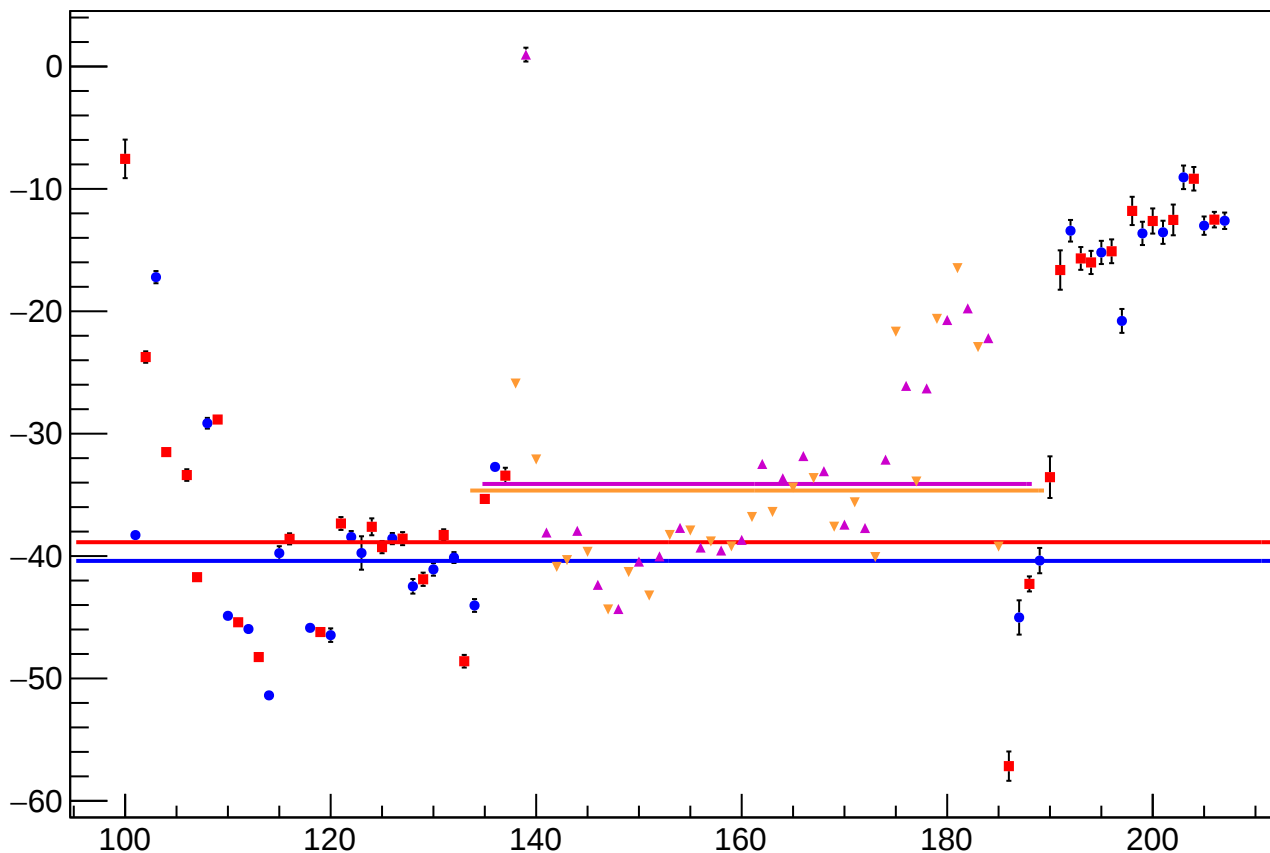
Left In: -2.959 ± 0.055 χ^2/NDF : 45922.6/22

+ sign -1.760 ± 0.051 χ^2/NDF : 60597.3/34

All: -1.885 ± 0.037 χ^2/NDF : 115382.7/69

- sign -2.019 ± 0.053 χ^2/NDF : 54773.0/34

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.395 ± 0.075 χ^2/NDF : 14815.2/26

Left Out: -34.646 ± 0.042 χ^2/NDF : 34674.7/24

Right Out: -38.867 ± 0.070 χ^2/NDF : 18171.4/30

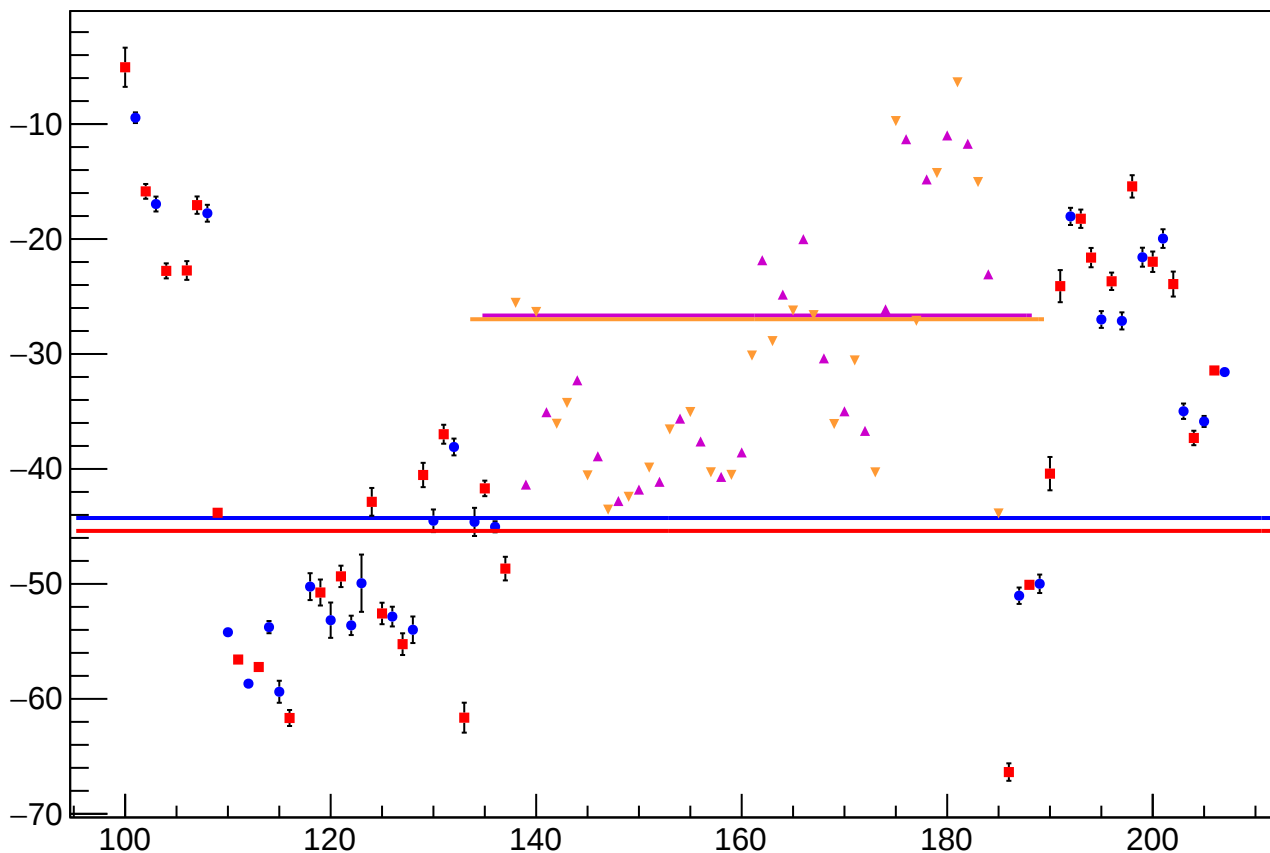
Left In: -34.108 ± 0.044 χ^2/NDF : 29052.8/22

+ sign -35.996 ± 0.037 χ^2/NDF : 53937.4/51

All: -35.725 ± 0.026 χ^2/NDF : 104562.6/105

- sign -35.444 ± 0.037 χ^2/NDF : 50513.4/53

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -44.267 ± 0.106 χ^2/NDF : 21450.7/26

Left Out: -26.978 ± 0.053 χ^2/NDF : 49361.1/24

Right Out: -45.390 ± 0.094 χ^2/NDF : 19693.5/30

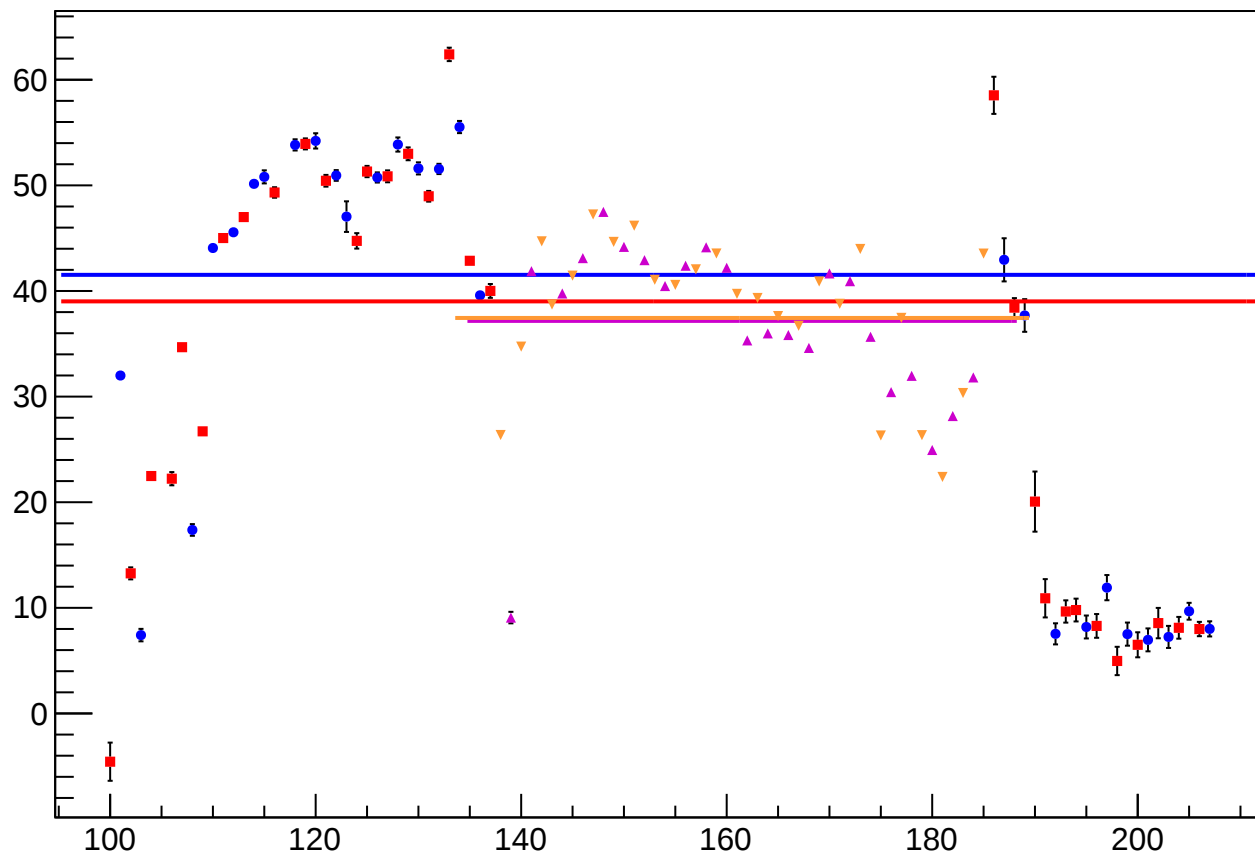
Left In: -26.654 ± 0.055 χ^2/NDF : 42106.8/22

+ sign -30.434 ± 0.048 χ^2/NDF : 91932.5/51

All: -30.949 ± 0.034 χ^2/NDF : 183804.1/105

- sign -31.460 ± 0.047 χ^2/NDF : 91637.9/53

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 41.528 $\pm$ 0.084 χ^2 /NDF: 20758.9/26

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 39.016 $\pm$ 0.078 χ^2 /NDF: 25431.7/30

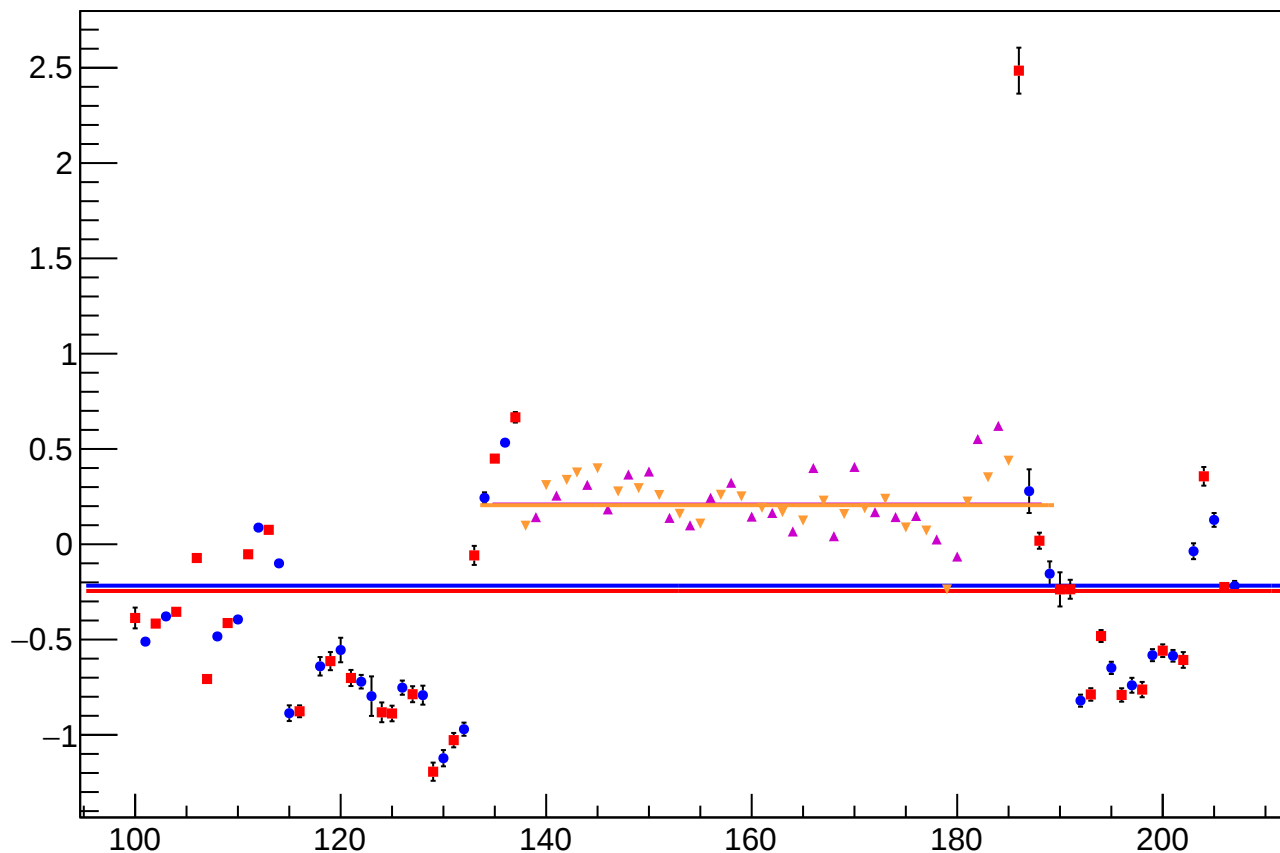
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.423 $\pm$ 0.041 χ^2 /NDF: 44121.0/51

All: 38.064 $\pm$ 0.029 χ^2 /NDF: 87344.9/105

- sign 37.696 $\pm$ 0.042 χ^2 /NDF: 43069.9/53

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.217 ± 0.004 χ^2/NDF : 8552.9/26

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.245 ± 0.004 χ^2/NDF : 9061.0/30

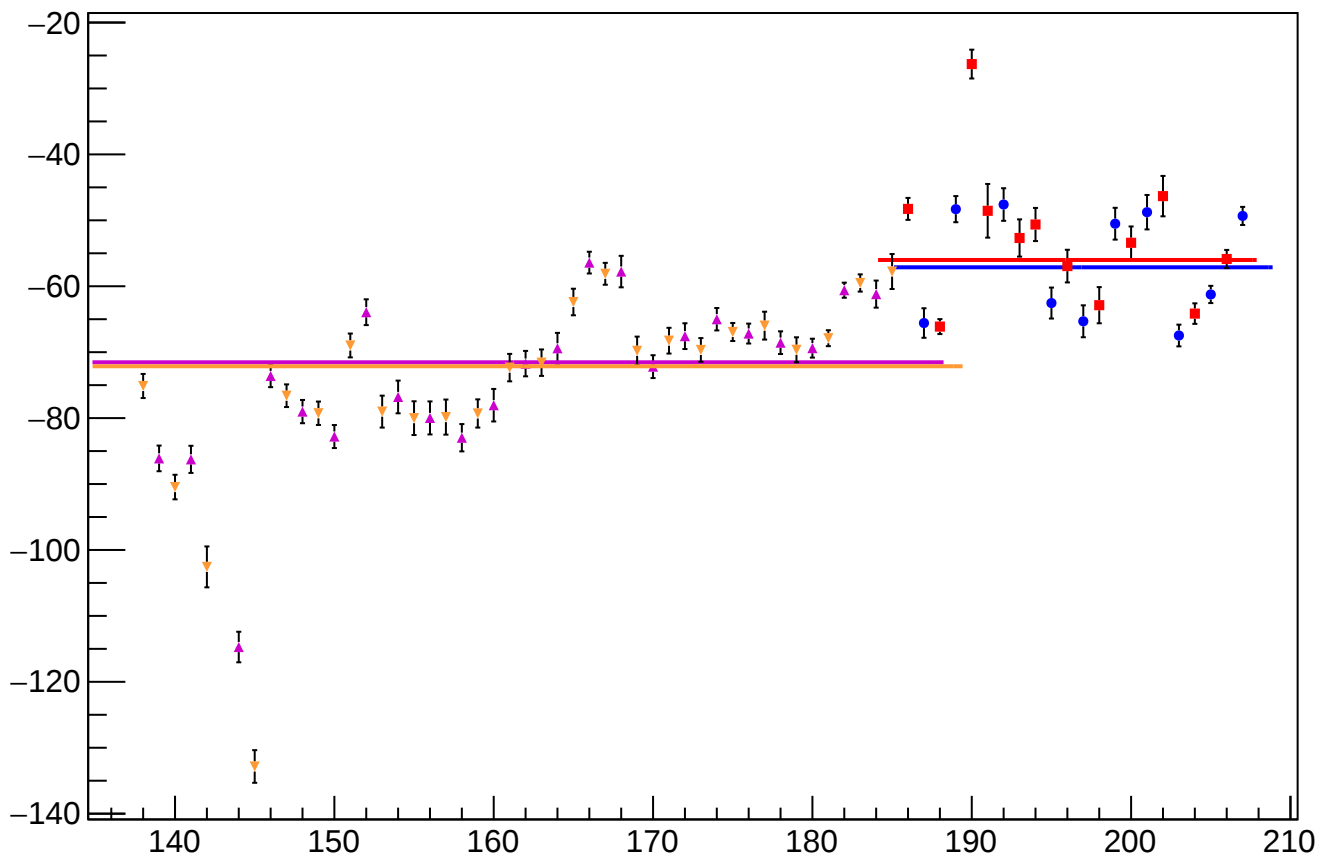
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.124 ± 0.002 χ^2/NDF : 19621.7/51

All: 0.112 ± 0.001 χ^2/NDF : 43552.2/105

- sign 0.101 ± 0.002 χ^2/NDF : 23858.8/53

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -57.126 ± 0.600 χ^2/NDF : 165.0/9

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -56.014 ± 0.559 χ^2/NDF : 339.8/11

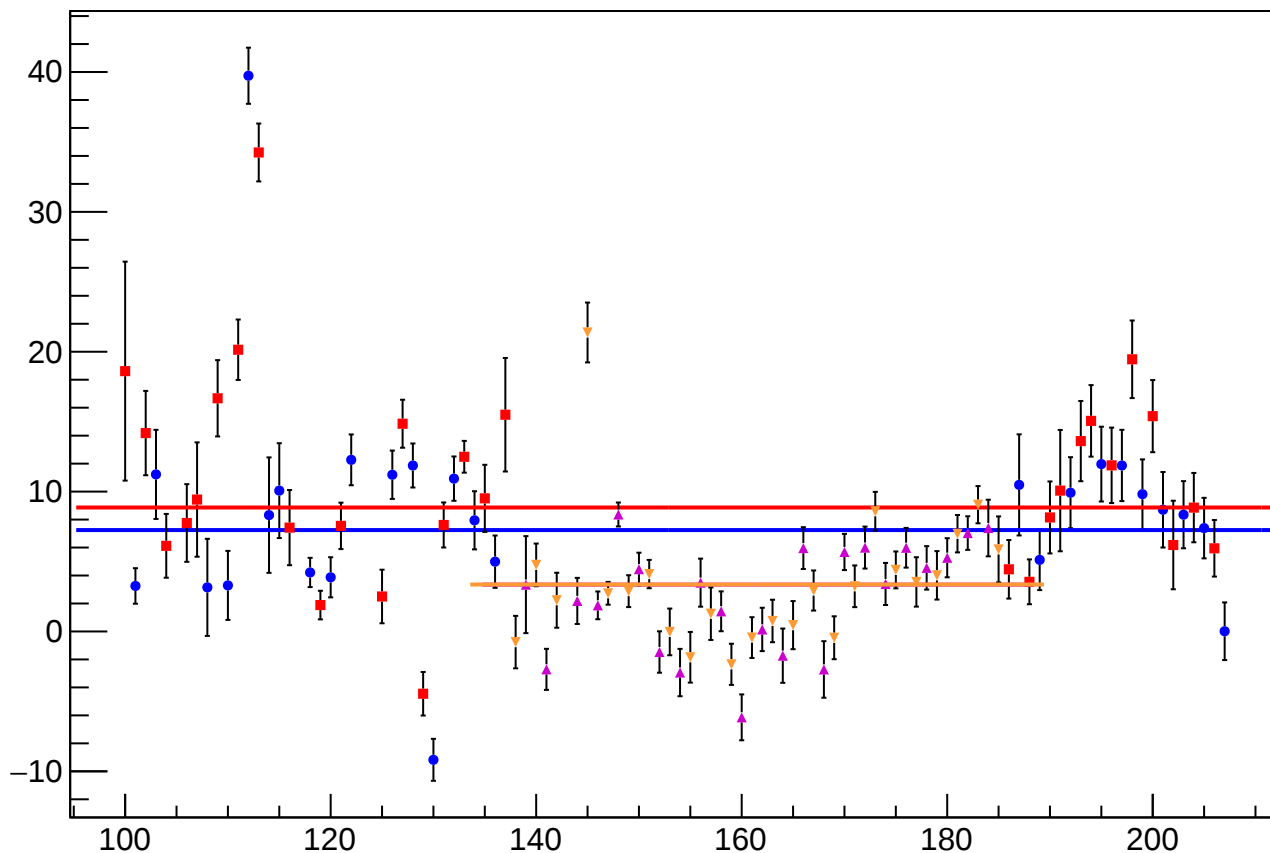
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -67.799 ± 0.323 χ^2/NDF : 1730.8/33

All: -67.187 ± 0.226 χ^2/NDF : 3454.3/68

- sign -66.603 ± 0.315 χ^2/NDF : 1716.5/34

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.249 ± 0.383 χ^2/NDF : 463.7/25

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 8.864 ± 0.378 χ^2/NDF : 398.9/29

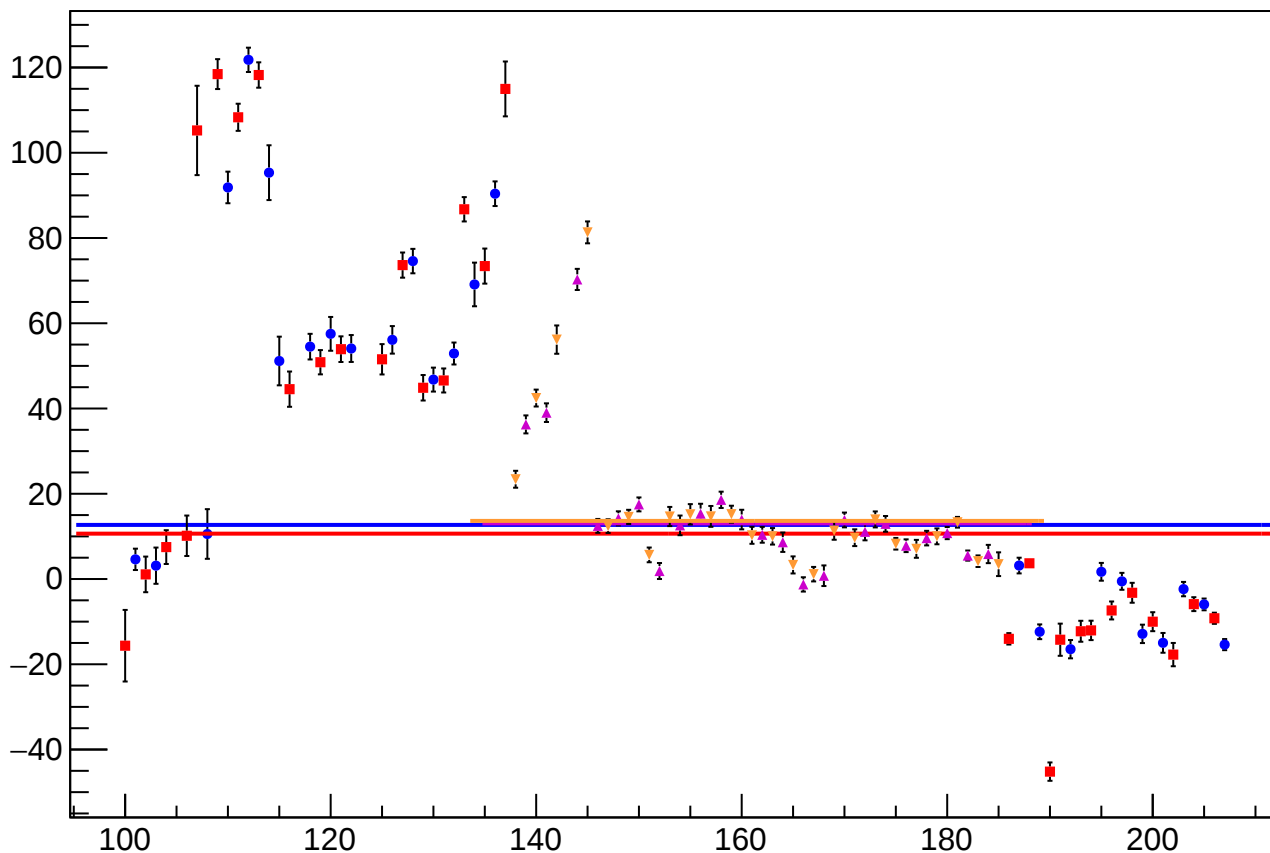
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.806 ± 0.234 χ^2/NDF : 696.3/49

All: 5.133 ± 0.165 χ^2/NDF : 1393.8/102

- sign 5.463 ± 0.234 χ^2/NDF : 693.5/52

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 12.692 $\pm$ 0.465 χ^2 /NDF: 6019.2/25

Left Out: 13.632 $\pm$ 0.382 χ^2 /NDF:1300.0/23

Right Out: 10.641 $\pm$ 0.426 χ^2 /NDF: 7787.9/29

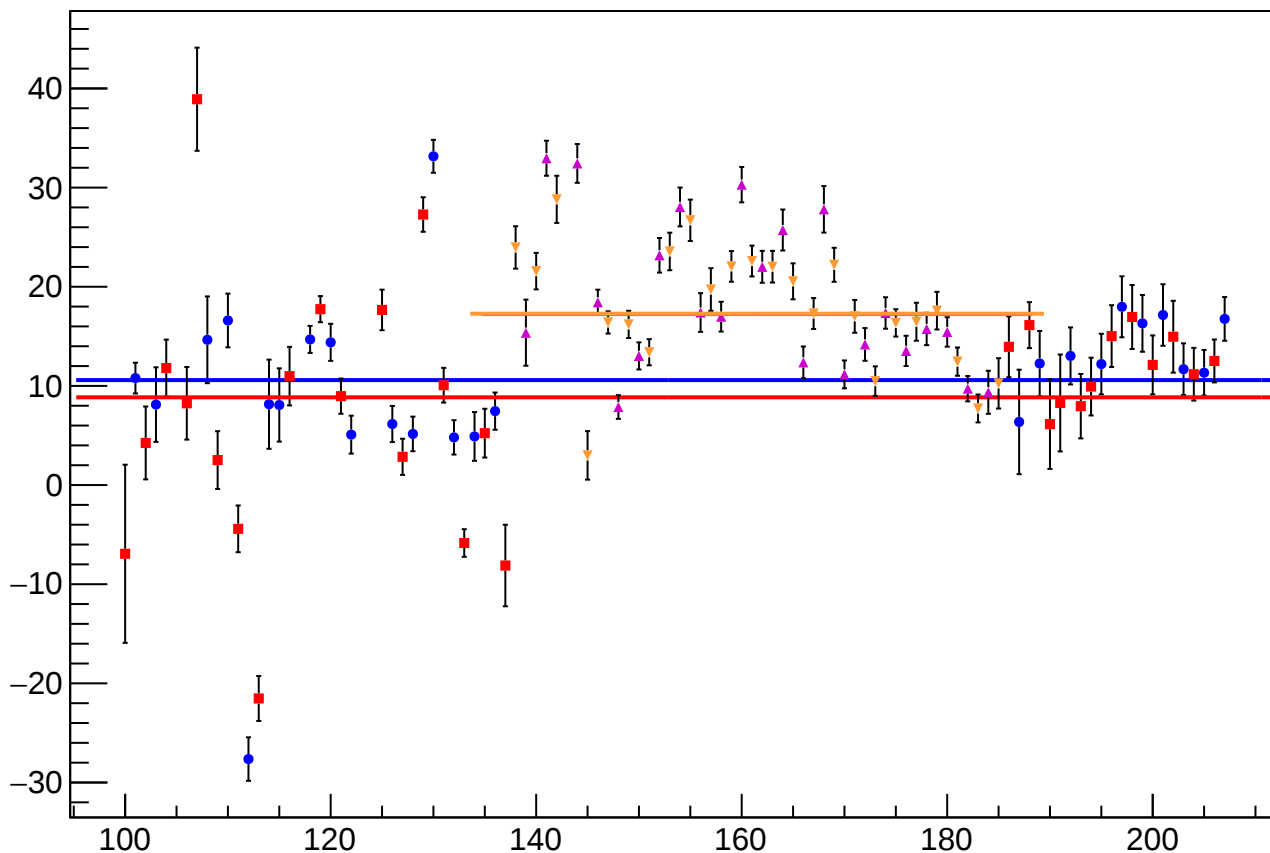
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 13.254 $\pm$ 0.295 χ^2 /NDF: 7321.7/49

All: 12.596 $\pm$ 0.204 χ^2 /NDF: 16161.8/102

- sign 11.989 $\pm$ 0.284 χ^2 /NDF: 8830.5/52

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.585 $\pm$ 0.442 χ^2/NDF : 576.1/25

Left Out: 17.280 $\pm$ 0.337 χ^2/NDF :243.9/23

Right Out: 8.847 $\pm$ 0.443 χ^2/NDF : 605.1/29

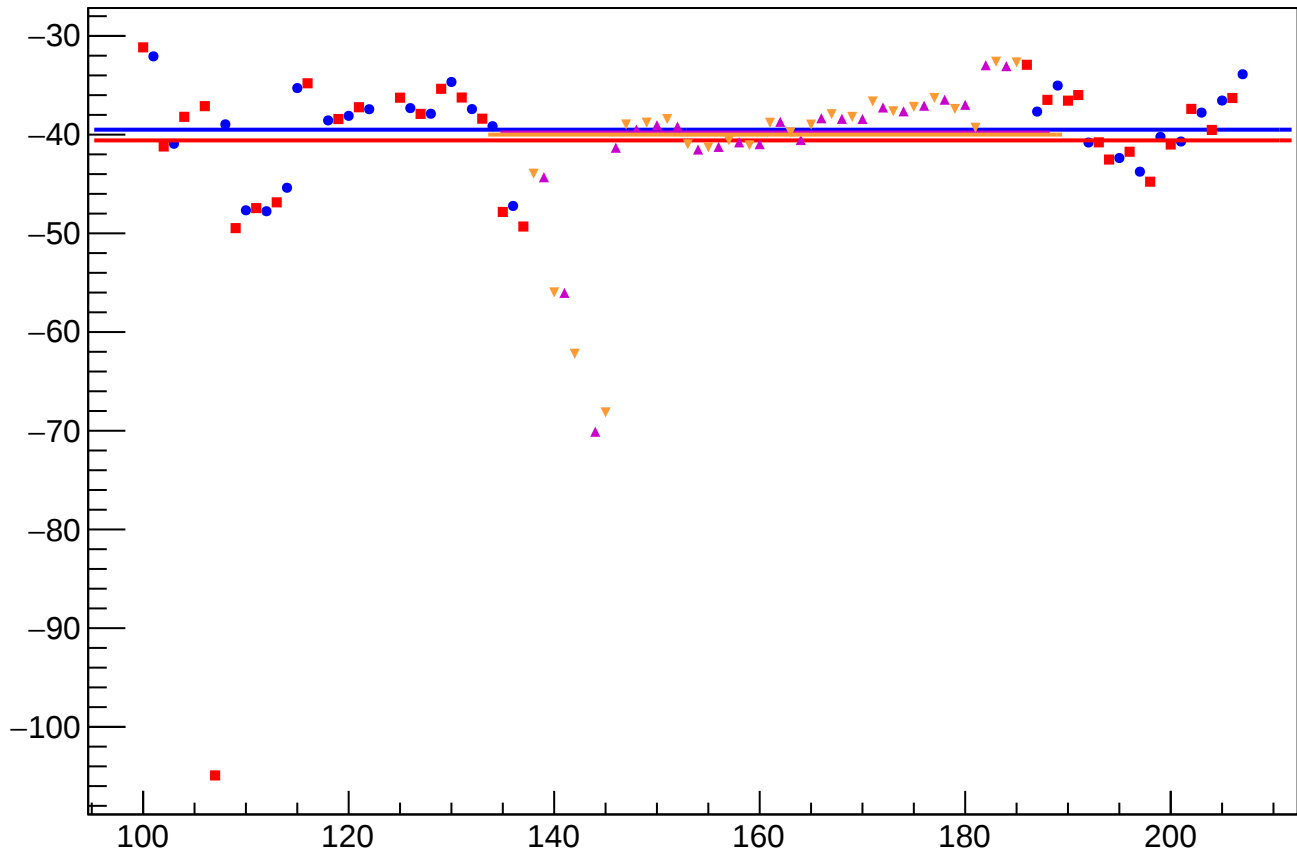
Left In: 17.245 $\pm$ 0.339 χ^2/NDF :440.8/22

+ sign 14.820 $\pm$ 0.268 χ^2/NDF : 964.9/49

All: 14.481 $\pm$ 0.190 χ^2/NDF : 2240.4/102

- sign 14.138 $\pm$ 0.269 χ^2/NDF : 1272.3/52

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.498 ± 0.022 χ^2/NDF : 36322.7/25

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -40.584 ± 0.022 χ^2/NDF : 106703.2/29

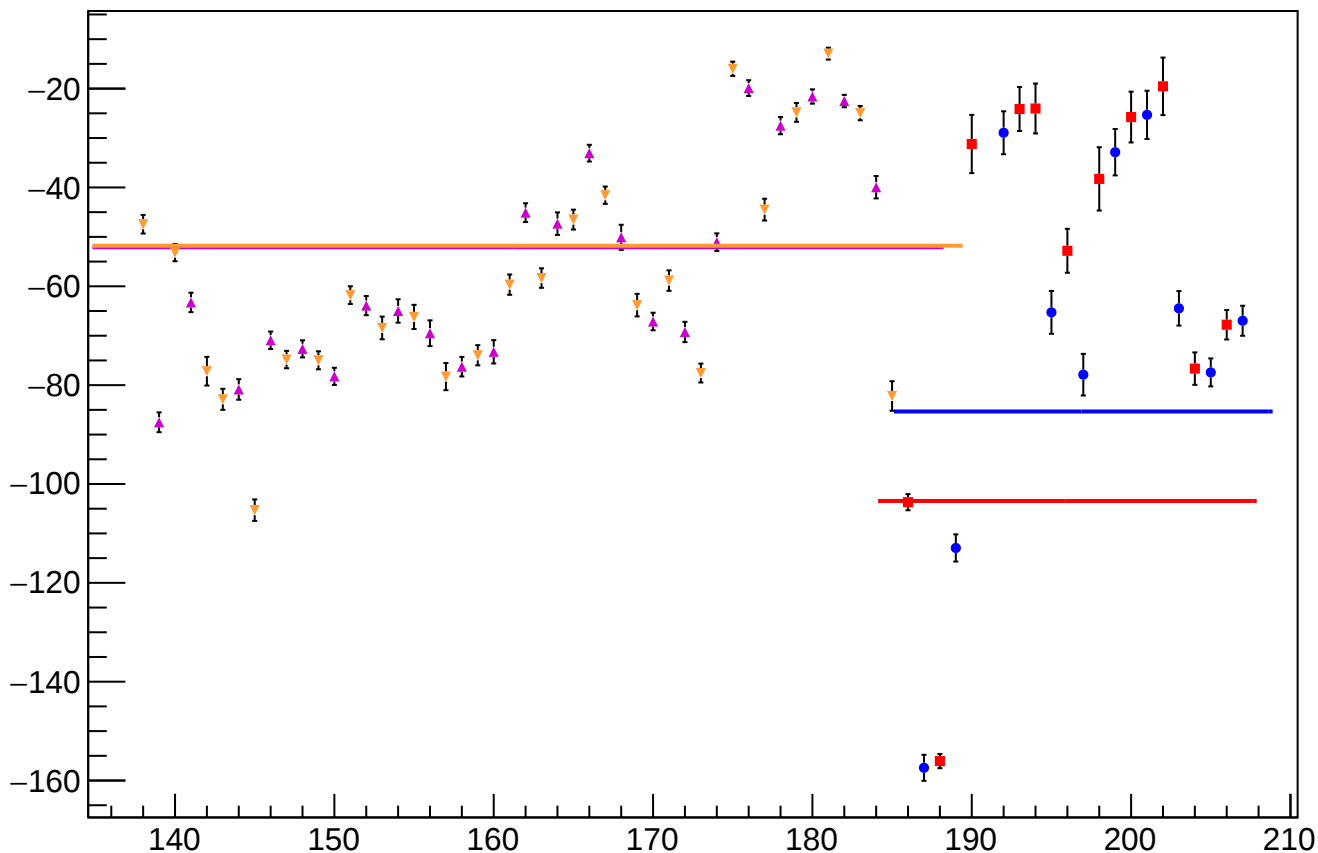
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -39.831 ± 0.013 χ^2/NDF : 208926.8/49

All: -39.947 ± 0.009 χ^2/NDF : 461183.4/102

- sign -40.060 ± 0.013 χ^2/NDF : 252095.6/52

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -85.330 ± 1.090 $\chi^2/\text{NDF}: 1400.5/9$

Left Out: -51.787 ± 0.383 $\chi^2/\text{NDF}: 4164.8/24$

Right Out: -103.437 ± 0.870 $\chi^2/\text{NDF}: 2920.3/10$

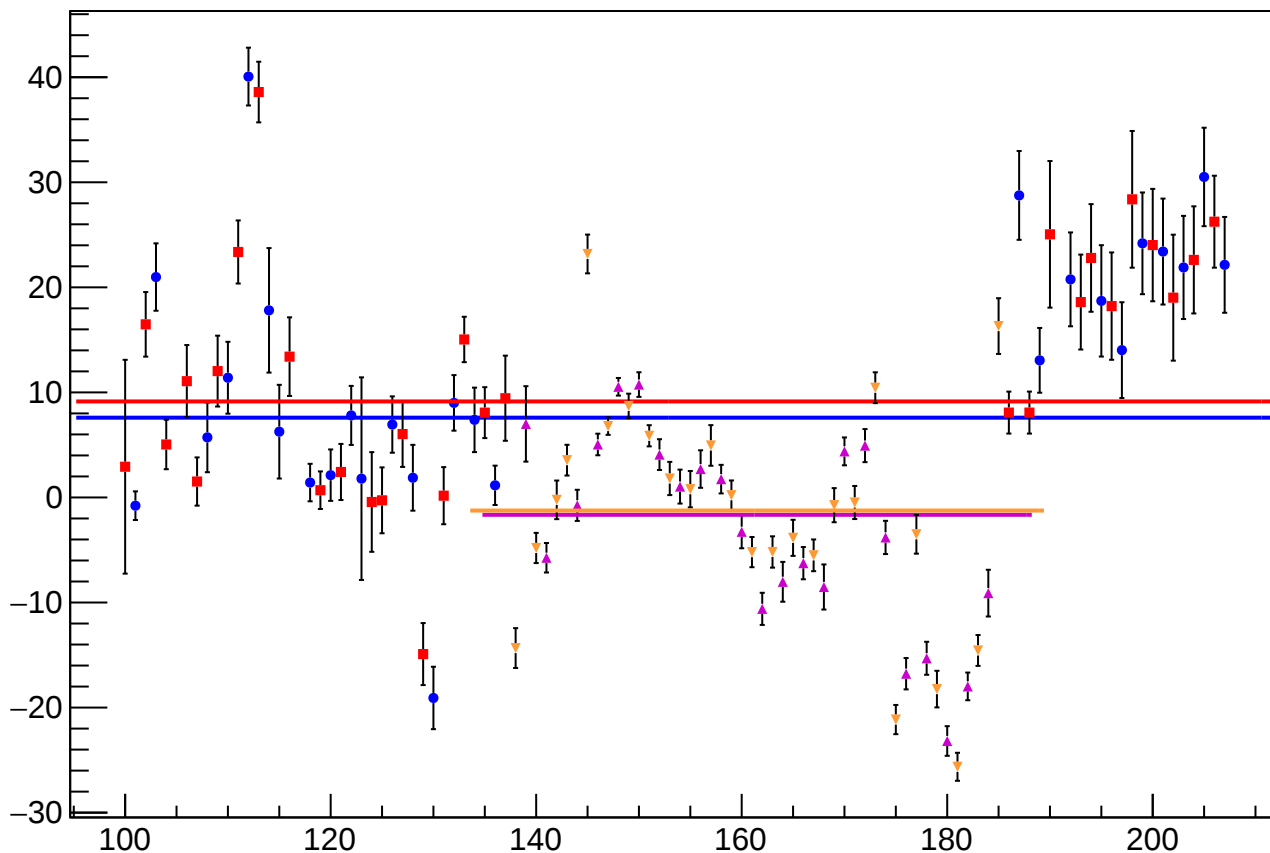
Left In: -52.104 ± 0.389 $\chi^2/\text{NDF}: 3280.2/22$

+ sign -55.466 ± 0.361 $\chi^2/\text{NDF}: 6408.2/34$

All: -58.097 ± 0.253 $\chi^2/\text{NDF}: 15613.7/68$

- sign -60.639 ± 0.355 $\chi^2/\text{NDF}: 9101.0/33$

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 7.595 ± 0.573 χ^2/NDF : 419.9/26

Left Out: -1.245 ± 0.292 χ^2/NDF : 1322.6/24

Right Out: 9.139 ± 0.561 χ^2/NDF : 338.5/29

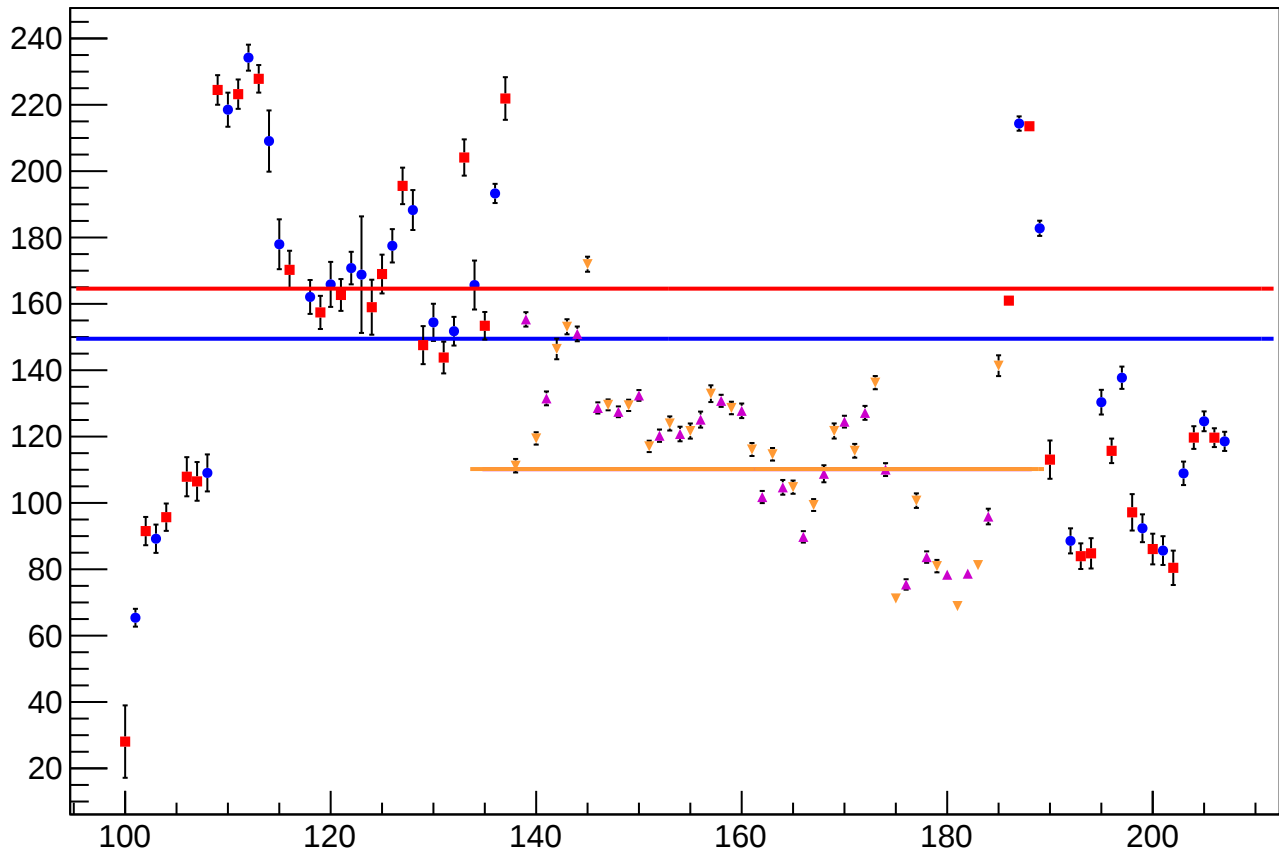
Left In: -1.650 ± 0.300 χ^2/NDF : 1092.2/22

+ sign 0.573 ± 0.260 χ^2/NDF : 1931.4/51

All: 0.661 ± 0.185 χ^2/NDF : 3650.2/104

- sign 0.753 ± 0.265 χ^2/NDF : 1718.5/52

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 149.486 $\pm$ 0.743 χ^2 /NDF: 4405.0/26

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 164.589 $\pm$ 0.621 χ^2 /NDF: 5618.8/29

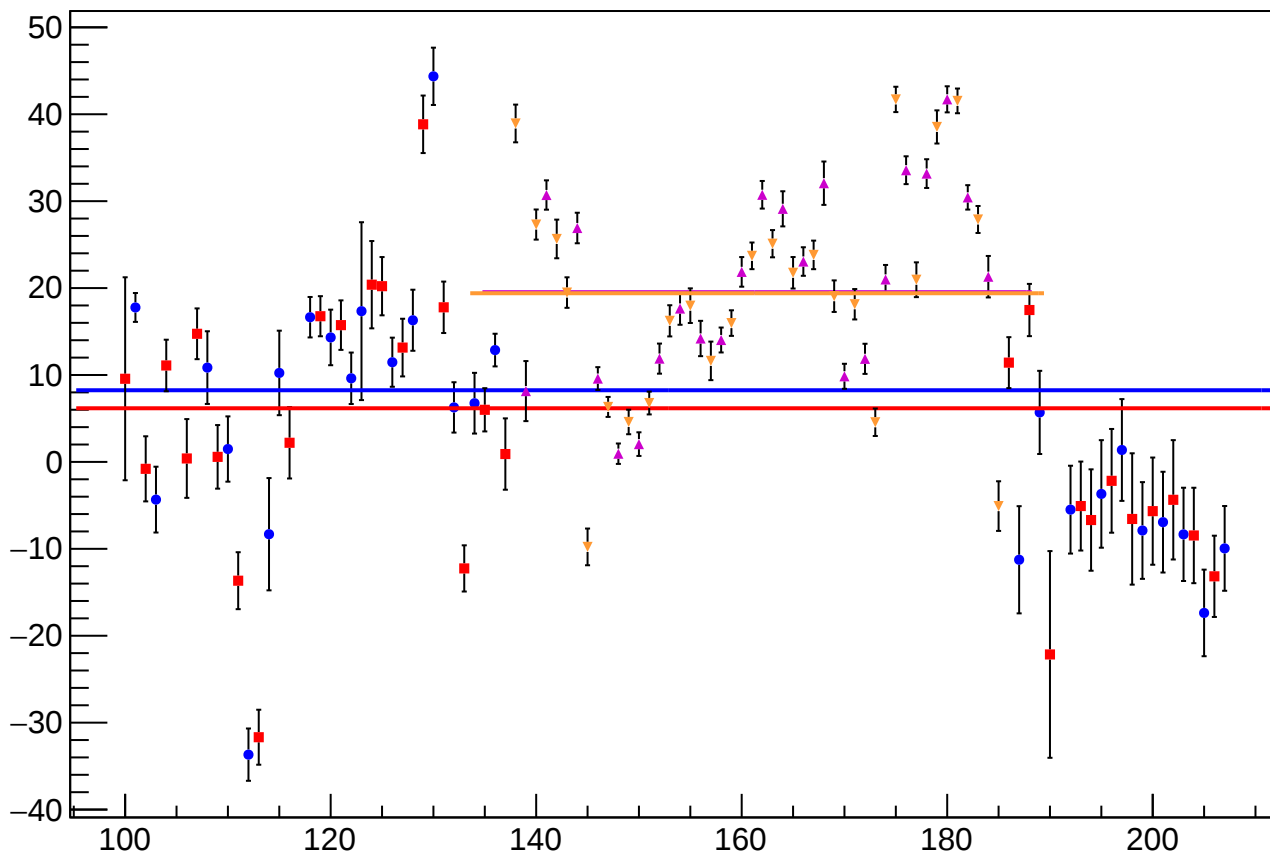
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 118.421 $\pm$ 0.340 χ^2 /NDF: 11207.4/51

All: 122.007 $\pm$ 0.236 χ^2 /NDF: 26286.0/104

- sign 125.344 $\pm$ 0.328 χ^2 /NDF: 14863.5/52

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 8.245 $\pm$ 0.664 χ^2/NDF : 487.4/26

Left Out: 19.405 $\pm$ 0.335 χ^2/NDF :1453.4/24

Right Out: 6.172 $\pm$ 0.665 χ^2/NDF : 492.4/29

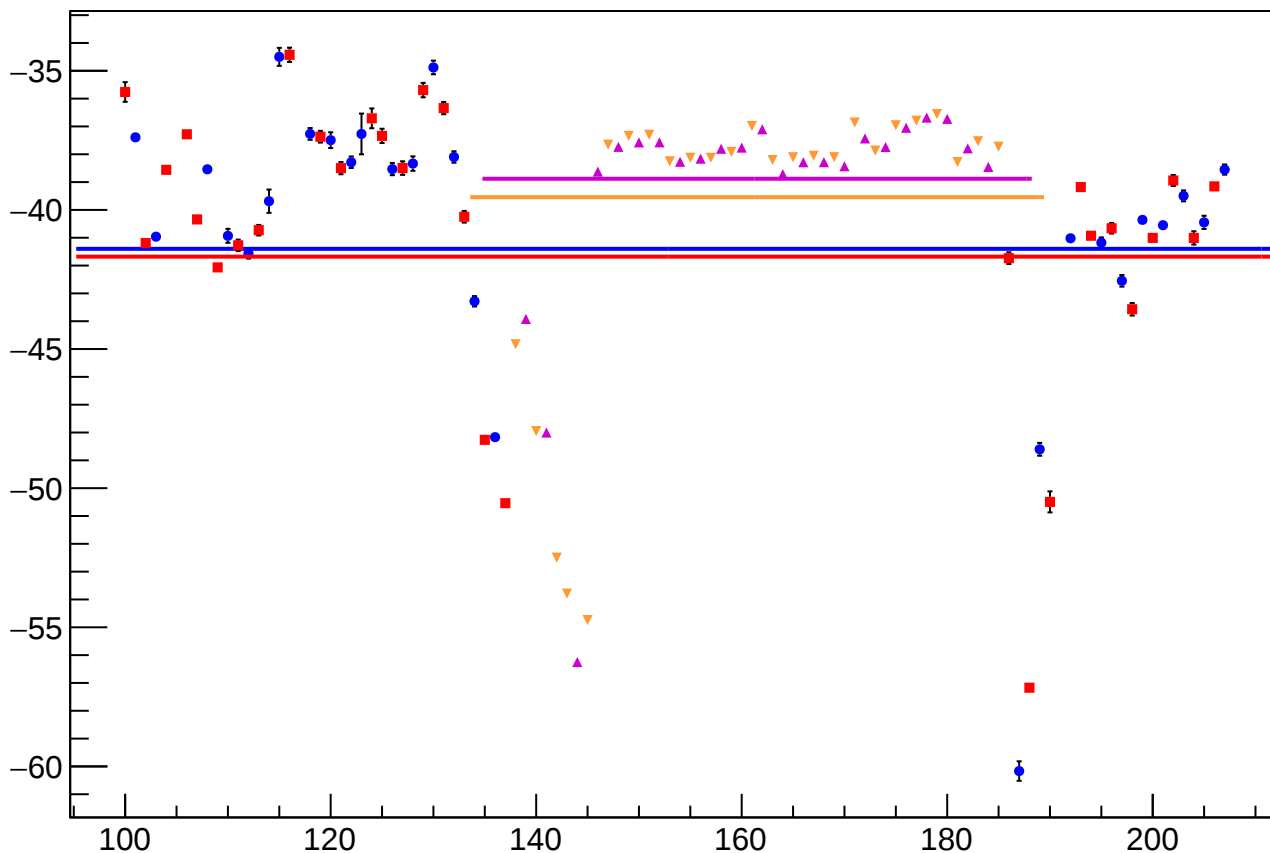
Left In: 19.530 $\pm$ 0.342 χ^2/NDF :1181.3/22

+ sign 17.143 $\pm$ 0.299 χ^2/NDF : 2166.1/51

All: 16.942 $\pm$ 0.213 χ^2/NDF : 4159.3/104

- sign 16.733 $\pm$ 0.305 χ^2/NDF : 1992.3/52

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.398 ± 0.033 χ^2/NDF : 16817.8/26

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -41.679 ± 0.032 χ^2/NDF : 23069.1/29

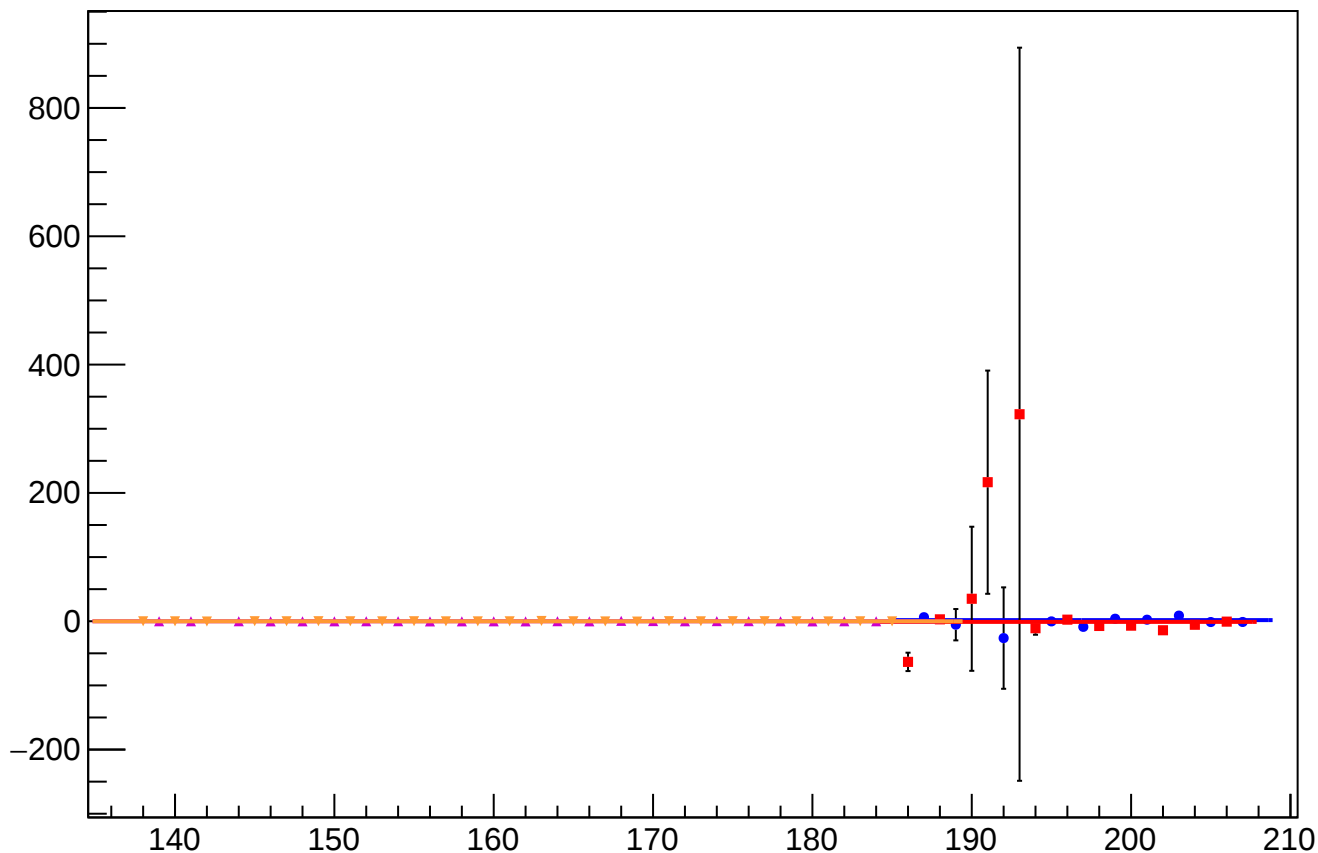
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.891 ± 0.014 χ^2/NDF : 111462.5/51

All: -39.660 ± 0.010 χ^2/NDF : 194565.2/104

- sign -39.427 ± 0.014 χ^2/NDF : 82569.5/52

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.762 ± 1.537 χ^2/NDF : 11.2/9

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.995 ± 1.422 χ^2/NDF : 32.5/11

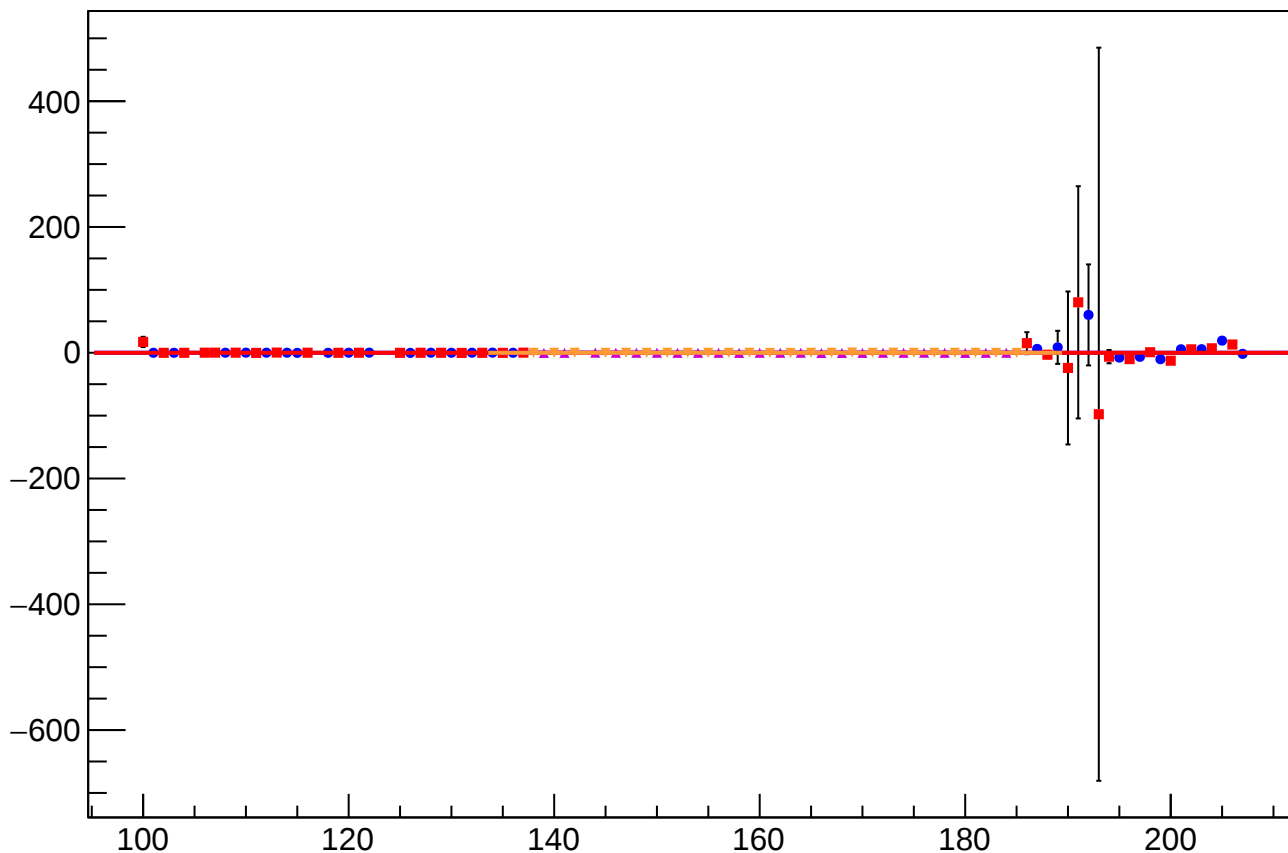
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 52.4/33

All: -0.057 ± 0.016 χ^2/NDF : 122.6/68

- sign -0.026 ± 0.022 χ^2/NDF : 66.3/34

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 31.9/25

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 41.1/29

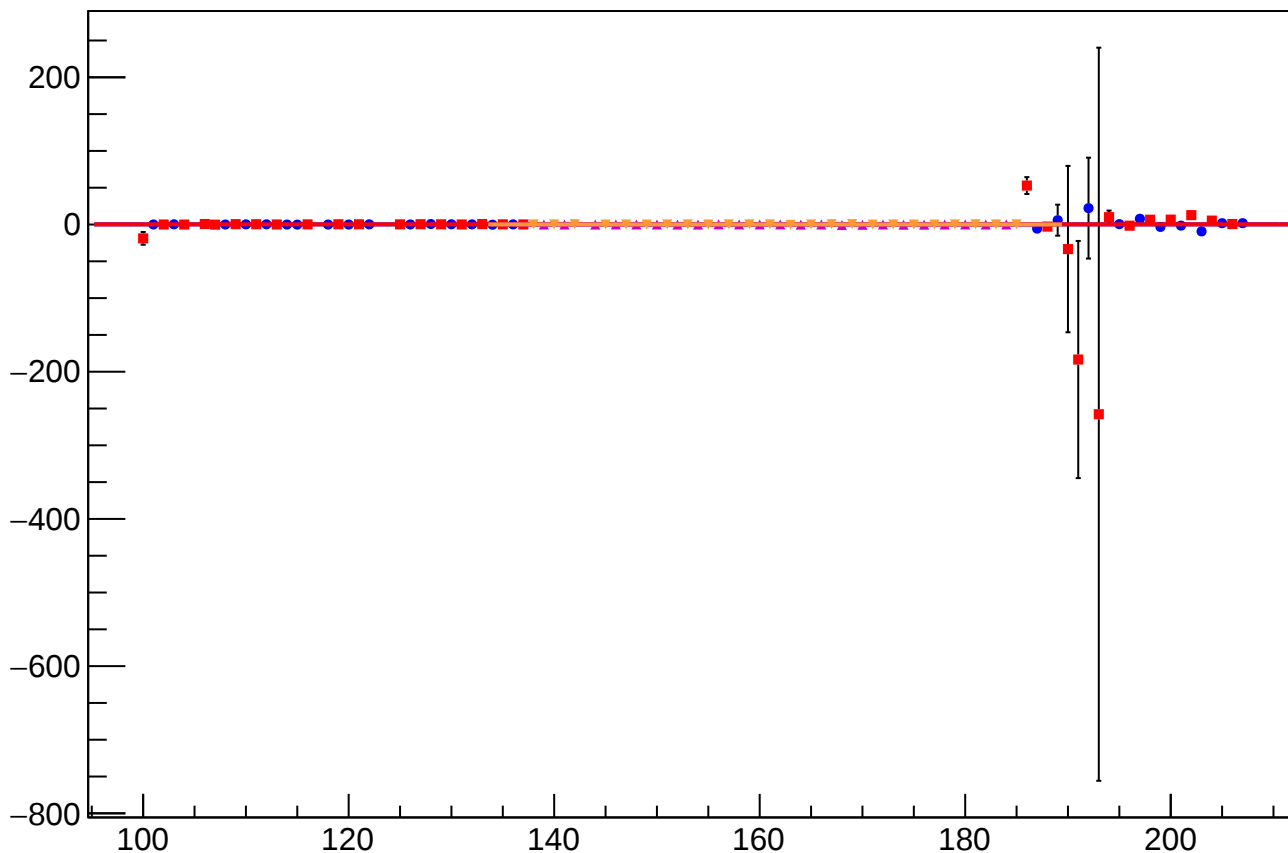
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 63.4/49

All: -0.056 ± 0.011 χ^2/NDF : 136.3/102

- sign -0.052 ± 0.015 χ^2/NDF : 72.8/52

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 χ^2/NDF : 27.2/25

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.236 ± 0.054 χ^2/NDF : 57.0/29

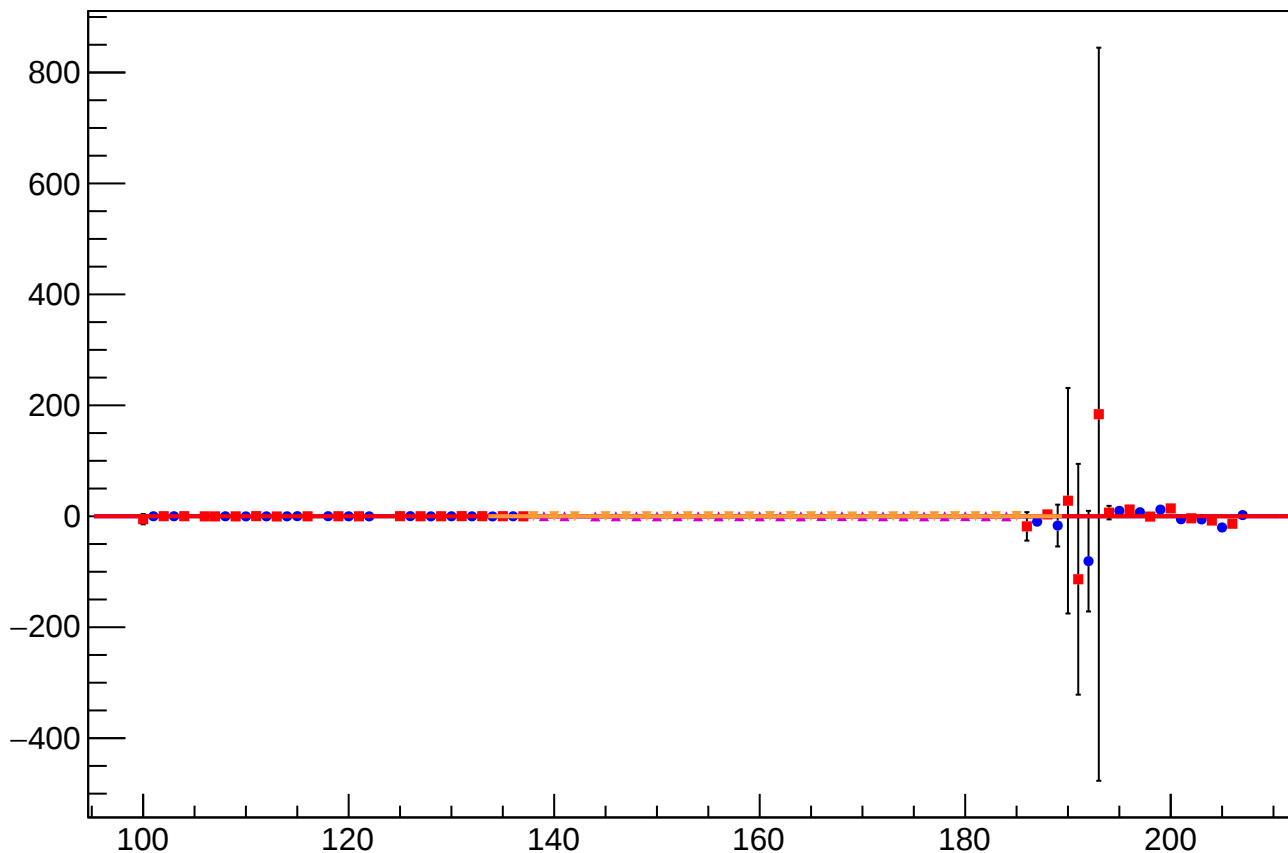
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 68.1/49

All: 0.073 ± 0.014 χ^2/NDF : 176.6/102

- sign 0.051 ± 0.021 χ^2/NDF : 106.2/52

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 33.5/25

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.057 ± 0.034 χ^2/NDF : 34.6/29

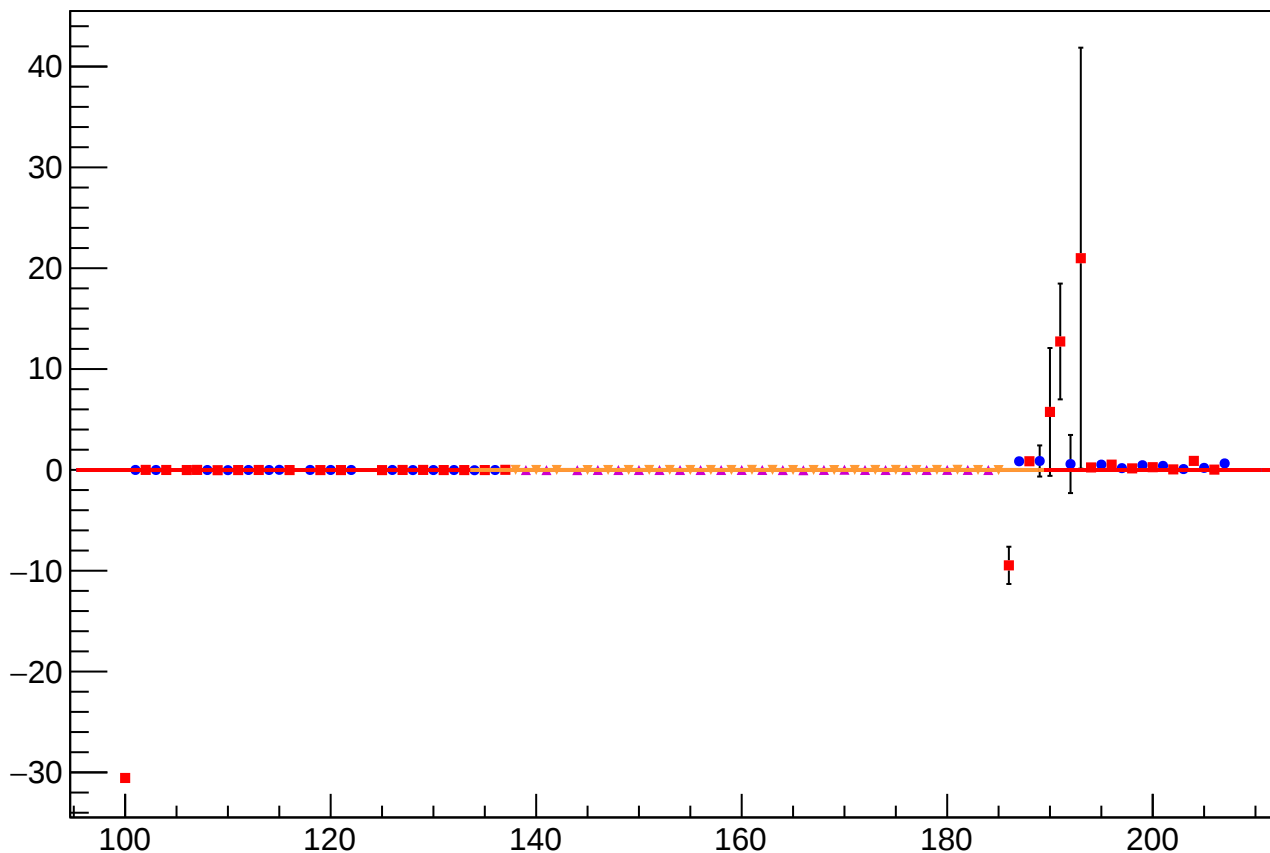
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 71.5/49

All: 0.071 ± 0.012 χ^2/NDF : 137.7/102

- sign 0.066 ± 0.017 χ^2/NDF : 66.0/52

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 41.6/25

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11954.3/29

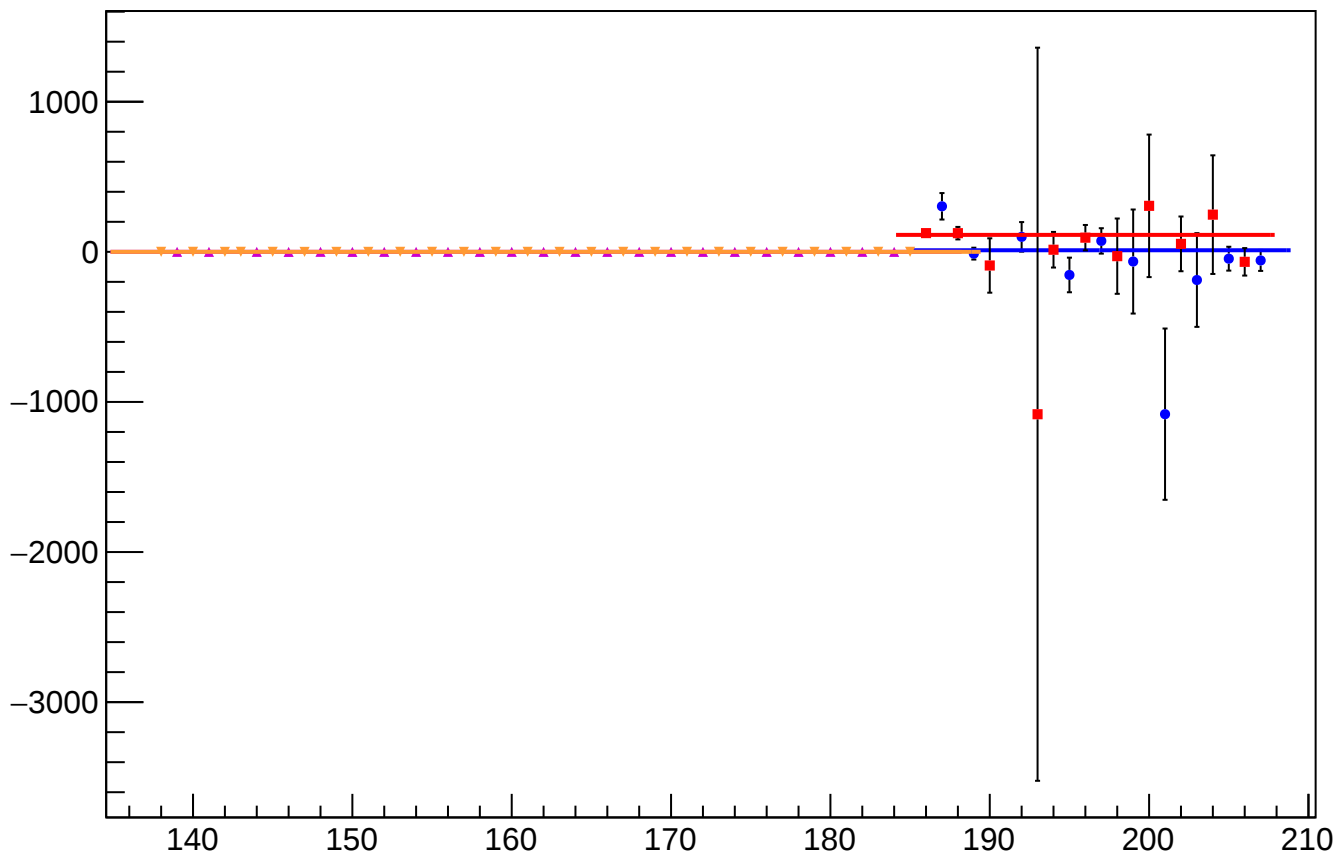
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 75.2/49

All: -0.009 ± 0.001 χ^2/NDF : 12073.0/102

- sign -0.009 ± 0.001 χ^2/NDF : 11997.6/52

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 10.540 $\pm$ 26.056 χ^2/NDF : 20.3/9

Left Out: 0.017 $\pm$ 0.027 χ^2/NDF : 30.9/24

Right Out: -112.948 $\pm$ 16.185 χ^2/NDF : 7.3/10

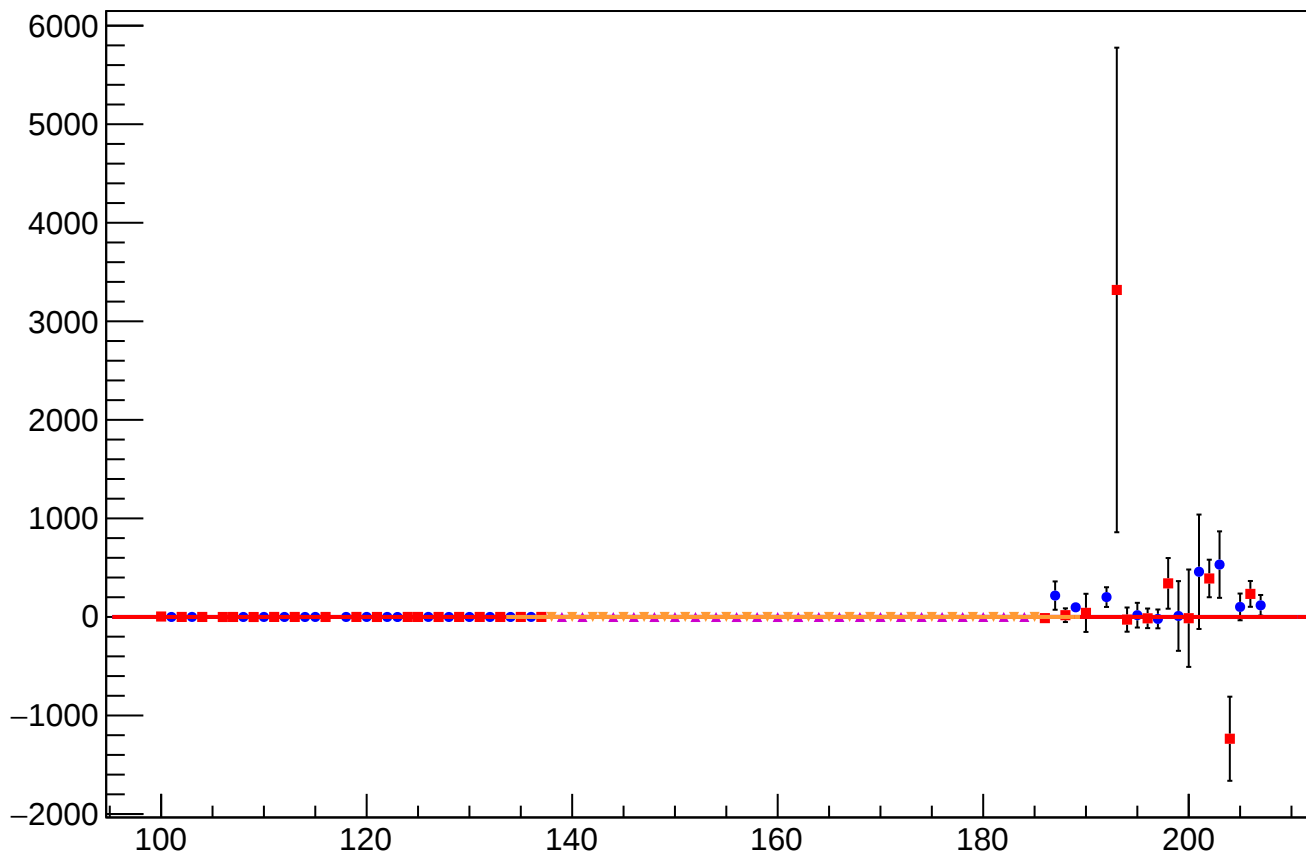
Left In: 0.002 $\pm$ 0.028 χ^2/NDF : 29.0/22

+ sign 0.017 $\pm$ 0.027 χ^2/NDF : 51.4/34

All: 0.010 $\pm$ 0.019 χ^2/NDF : 136.5/68

- sign 0.003 $\pm$ 0.028 χ^2/NDF : 85.0/33

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 39.0/26

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 38.3/29

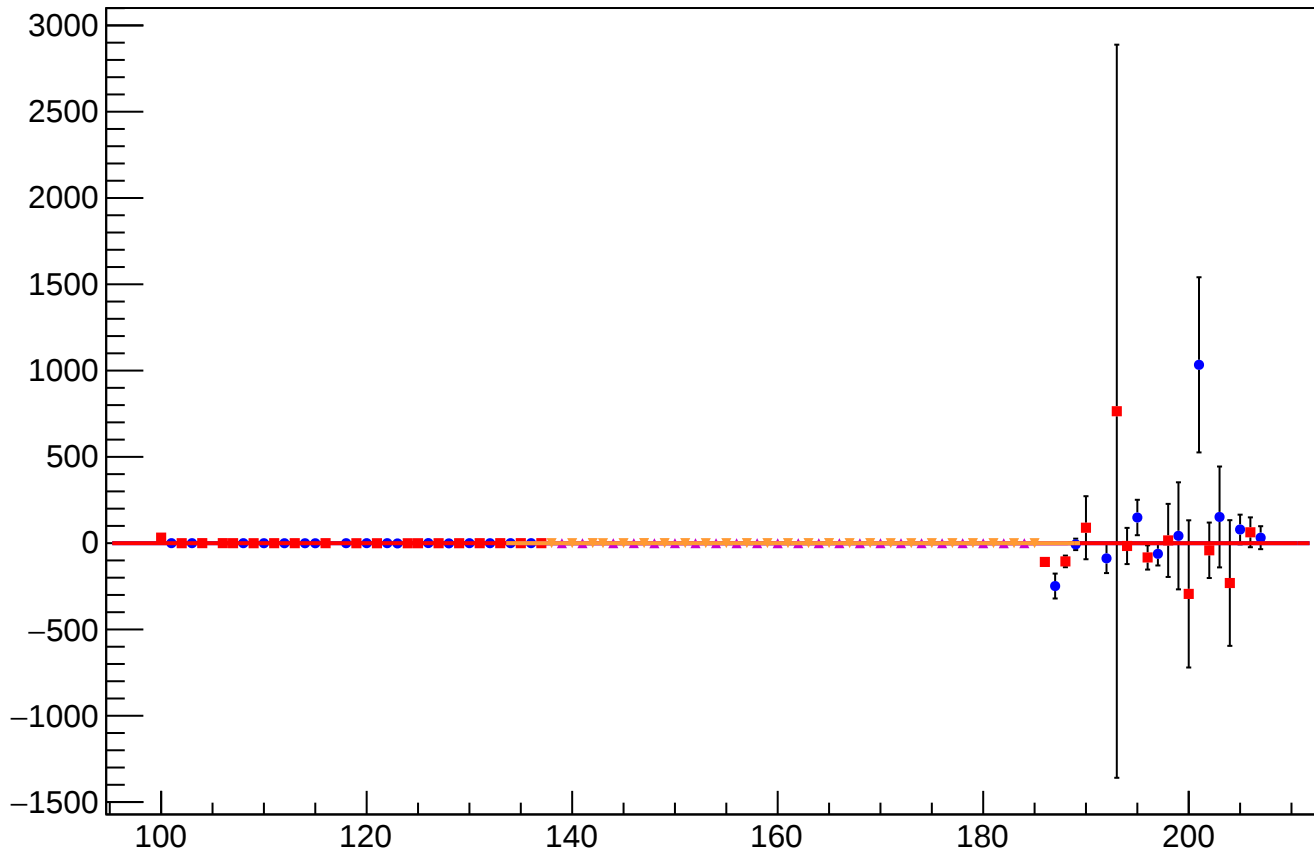
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 64.5/51

All: -0.066 ± 0.013 χ^2/NDF : 154.4/104

- sign -0.083 ± 0.019 χ^2/NDF : 88.4/52

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 46.1/26

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 79.1/29

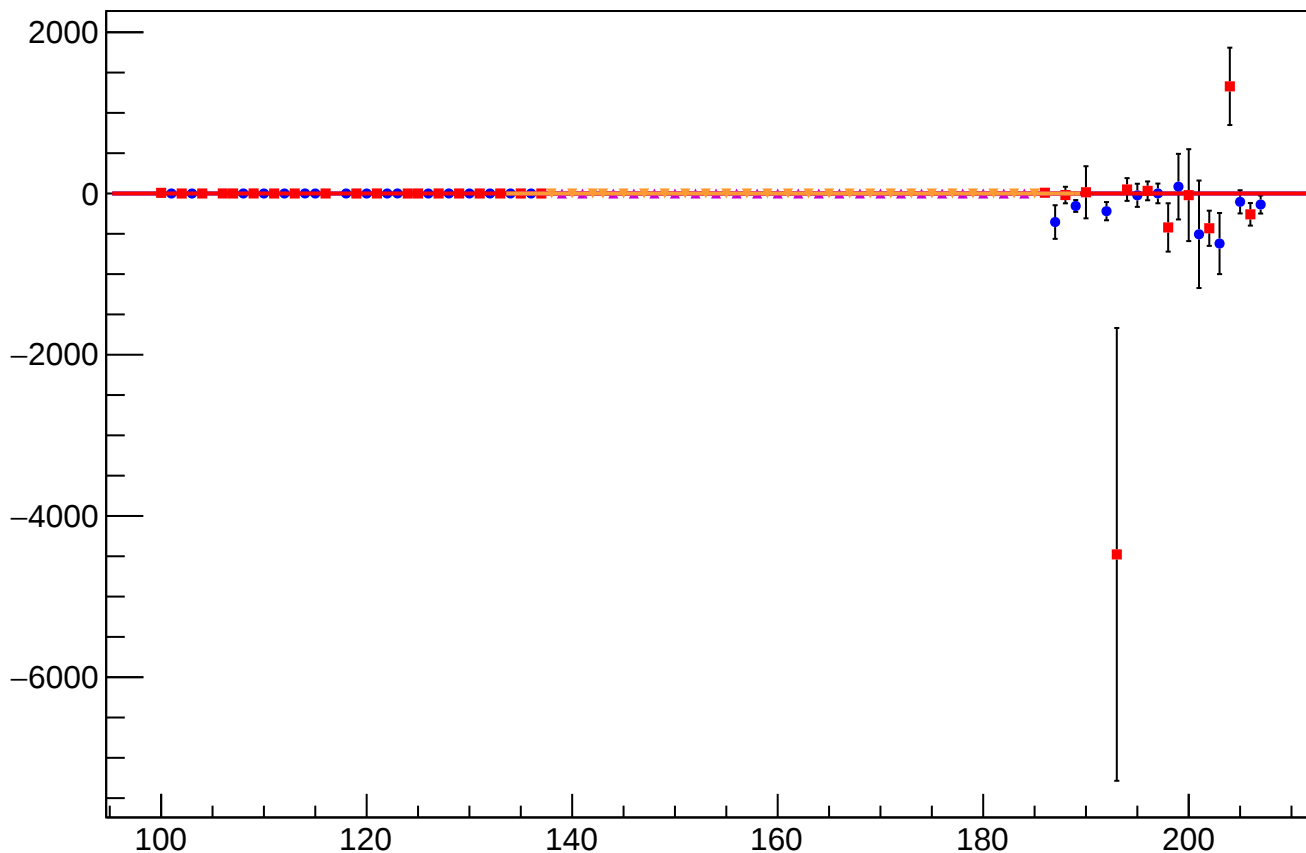
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 77.8/51

All: -0.042 ± 0.018 χ^2/NDF : 188.6/104

- sign -0.050 ± 0.026 χ^2/NDF : 110.7/52

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 $\pm$ 0.043 χ^2 /NDF: 38.1/26

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF: 24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 36.6/29

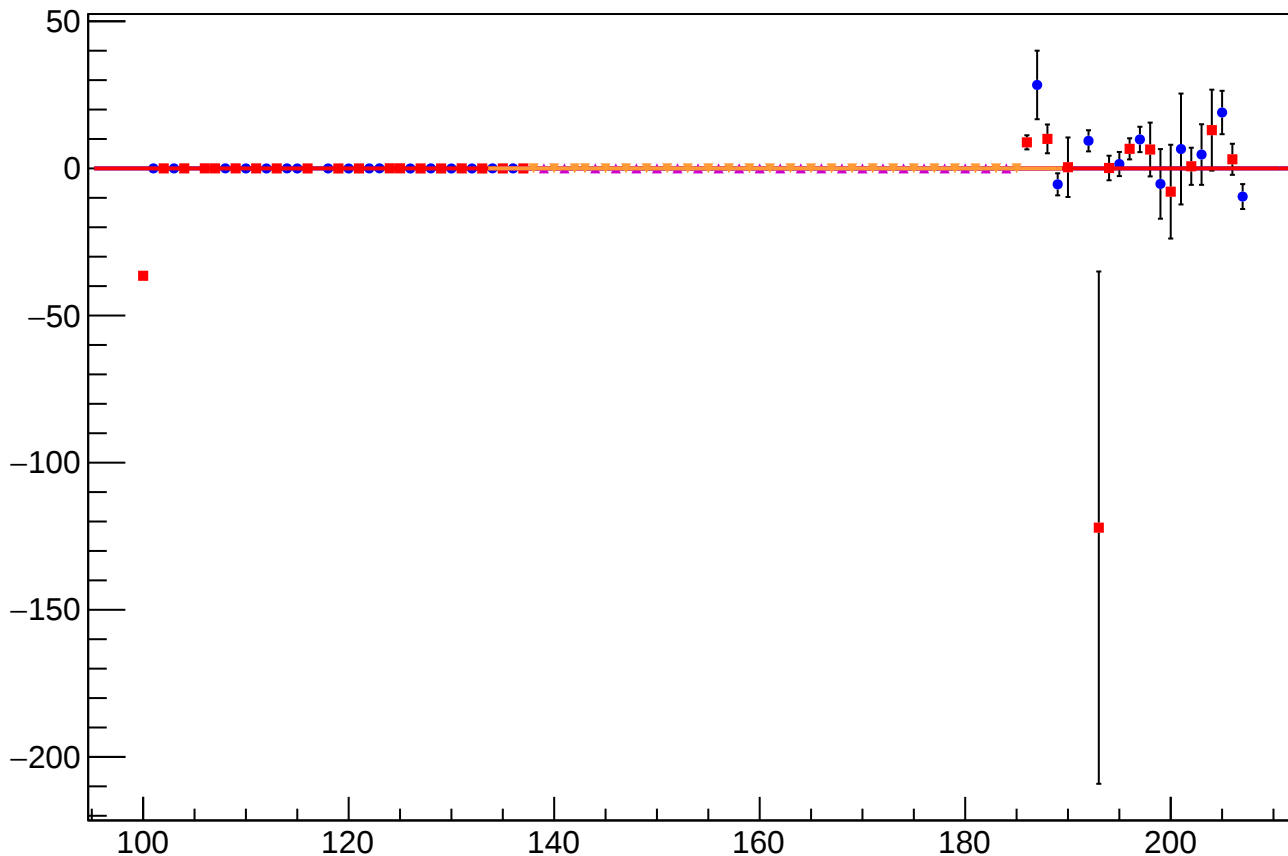
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF: 51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 63.5/51

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 155.4/104

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 90.6/52

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 62.9/26

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10474.3/29

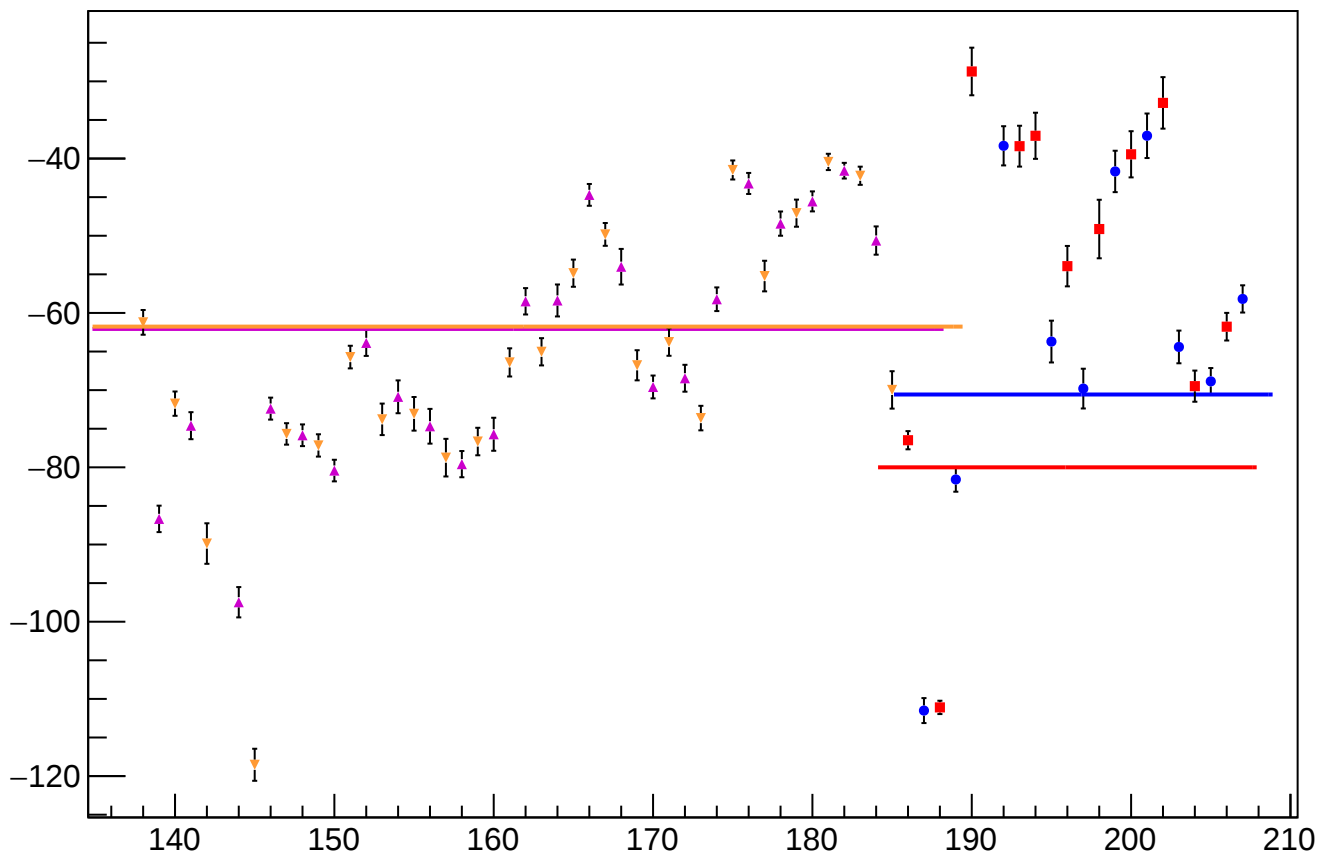
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 97.3/51

All: 0.007 ± 0.001 χ^2/NDF : 10597.1/104

- sign 0.007 ± 0.001 χ^2/NDF : 10499.7/52

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -70.566 ± 0.651 $\chi^2/\text{NDF}: 1166.2/9$

Left Out: -61.771 ± 0.334 $\chi^2/\text{NDF}: 2504.9/23$

Right Out: -80.000 ± 0.543 $\chi^2/\text{NDF}: 2714.9/10$

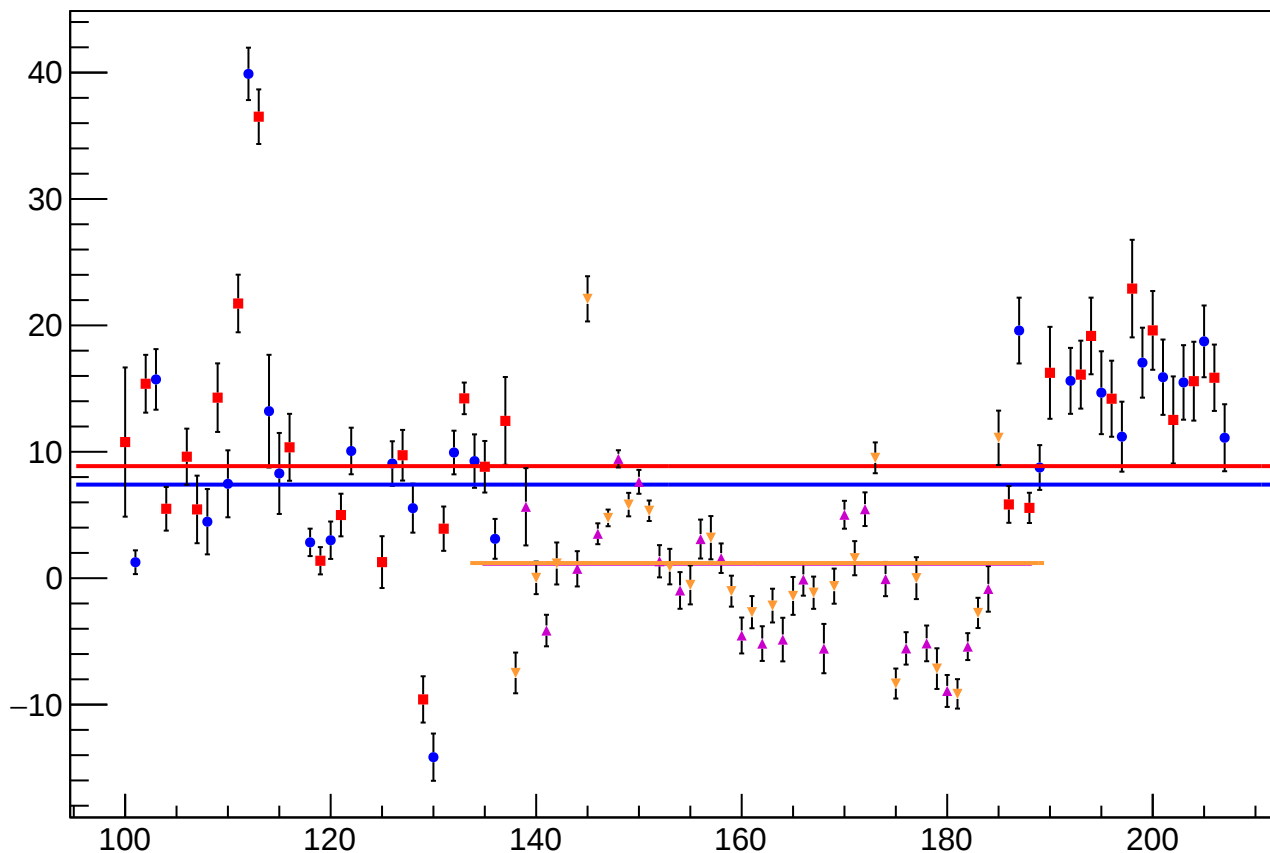
Left In: -62.073 ± 0.332 $\chi^2/\text{NDF}: 2192.0/22$

+ sign -63.604 ± 0.297 $\chi^2/\text{NDF}: 3815.7/33$

All: -65.361 ± 0.205 $\chi^2/\text{NDF}: 9582.8/67$

- sign -66.961 ± 0.283 $\chi^2/\text{NDF}: 5700.2/33$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 7.404 ± 0.381 $\chi^2/\text{NDF}: 562.2/25$

Left Out: 1.198 ± 0.253 $\chi^2/\text{NDF}: 526.3/23$

Right Out: 8.866 ± 0.379 $\chi^2/\text{NDF}: 486.3/28$

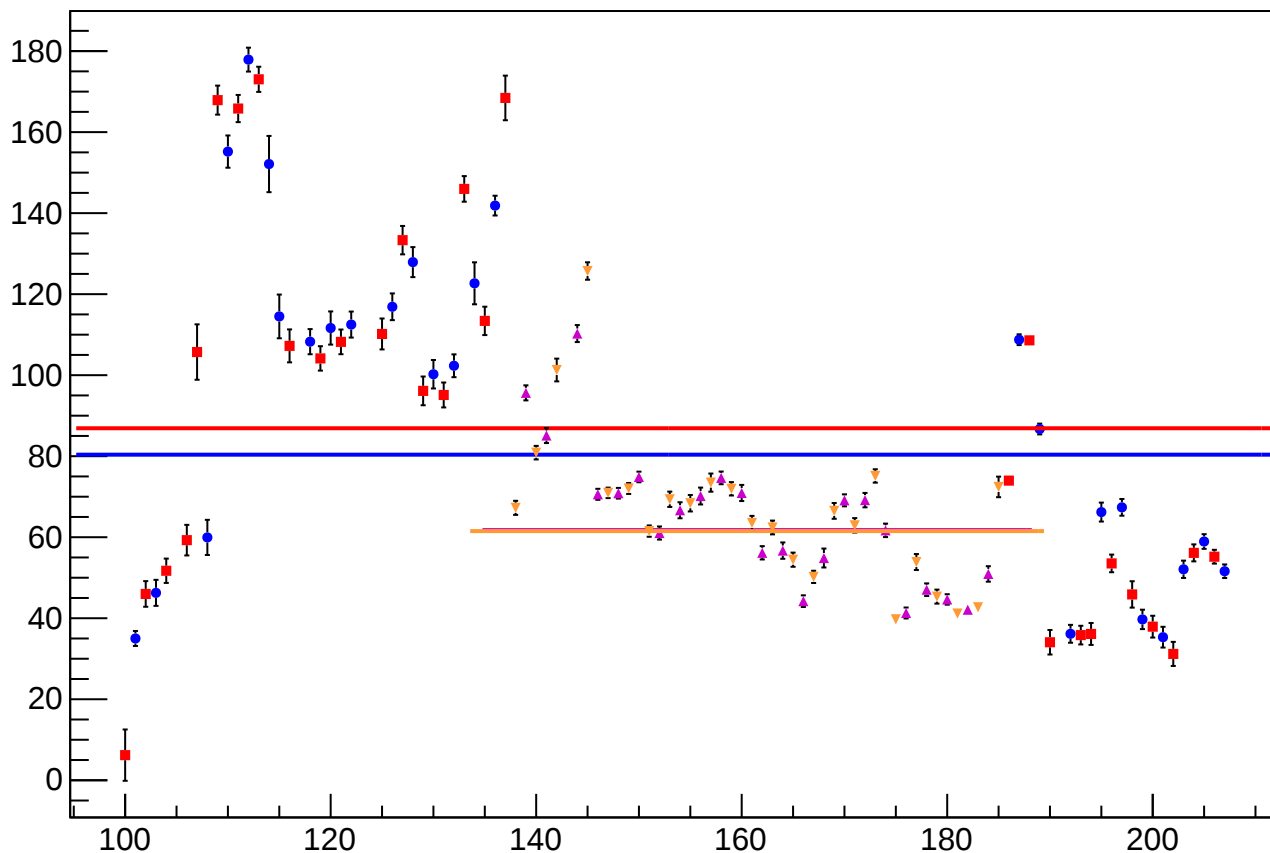
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 3.090 ± 0.211 $\chi^2/\text{NDF}: 1272.6/49$

All: 3.324 ± 0.149 $\chi^2/\text{NDF}: 2510.2/101$

- sign 3.560 ± 0.212 $\chi^2/\text{NDF}: 1235.1/51$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 80.376 $\pm$ 0.473 χ^2 /NDF: 5810.9/25

Left Out: 61.512 $\pm$ 0.332 χ^2 /NDF: 2606.0/23

Right Out: 86.898 $\pm$ 0.402 χ^2 /NDF: 7271.0/28

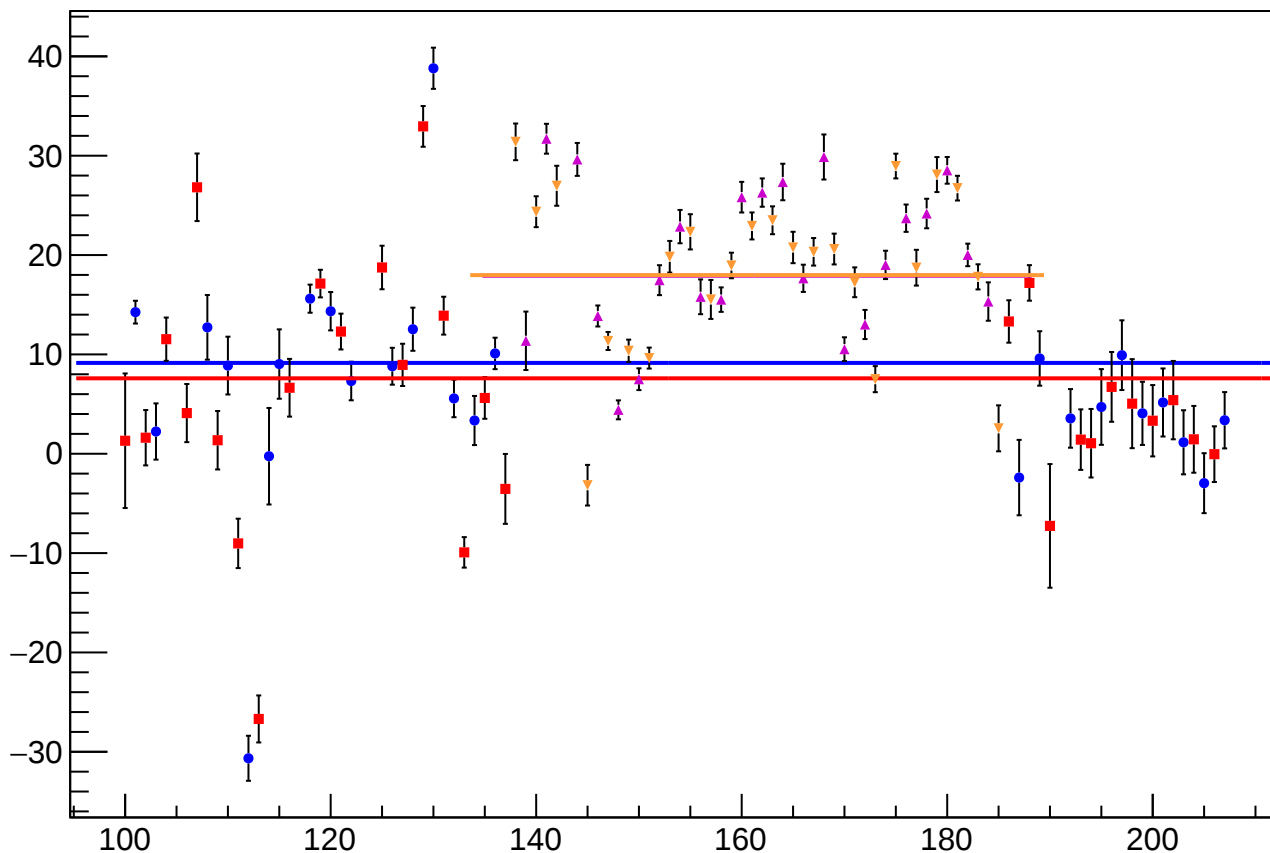
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 67.745 $\pm$ 0.272 χ^2 /NDF: 9481.5/49

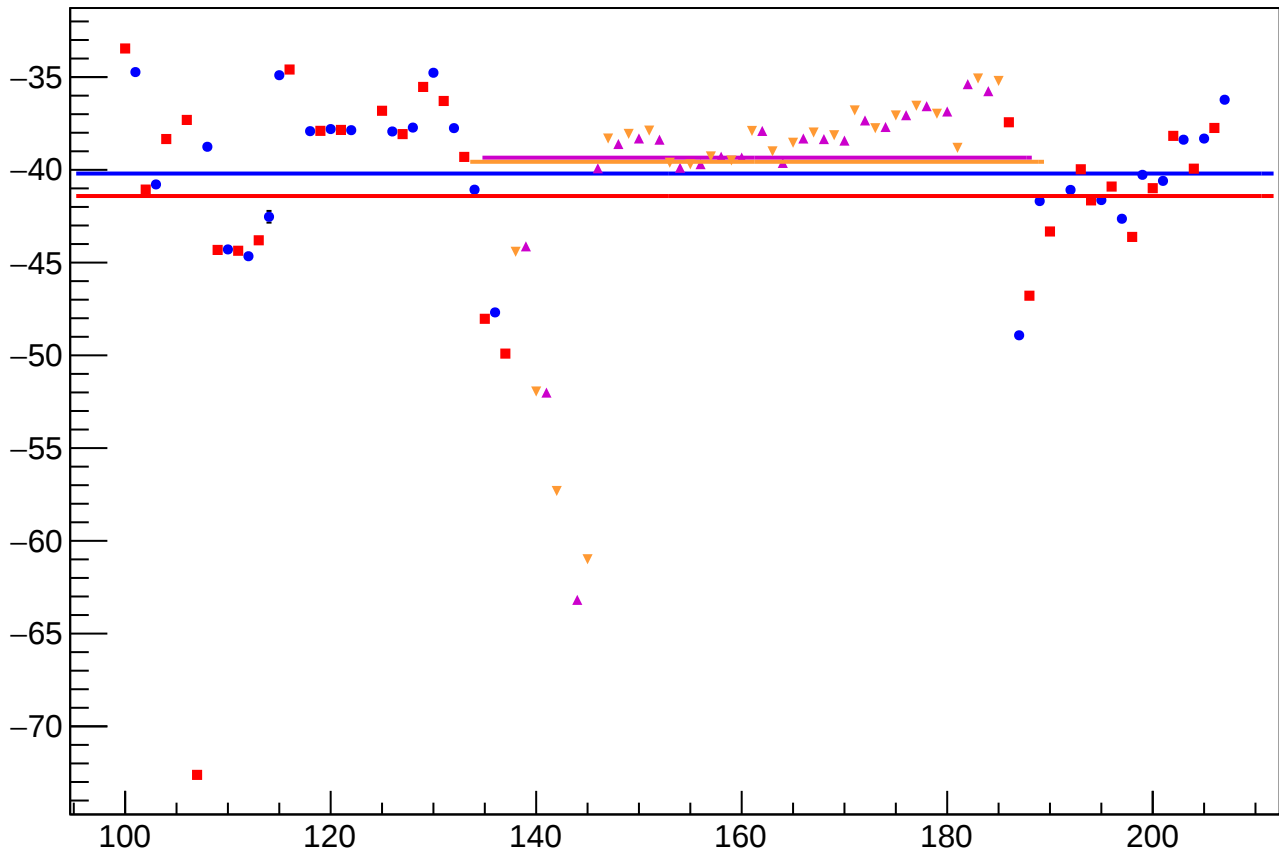
All: 69.947 $\pm$ 0.186 χ^2 /NDF: 21630.9/101

- sign 71.884 $\pm$ 0.255 χ^2 /NDF: 12026.1/51

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.200 ± 0.022 χ^2/NDF : 29336.6/25

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.411 ± 0.022 χ^2/NDF : 68553.3/28

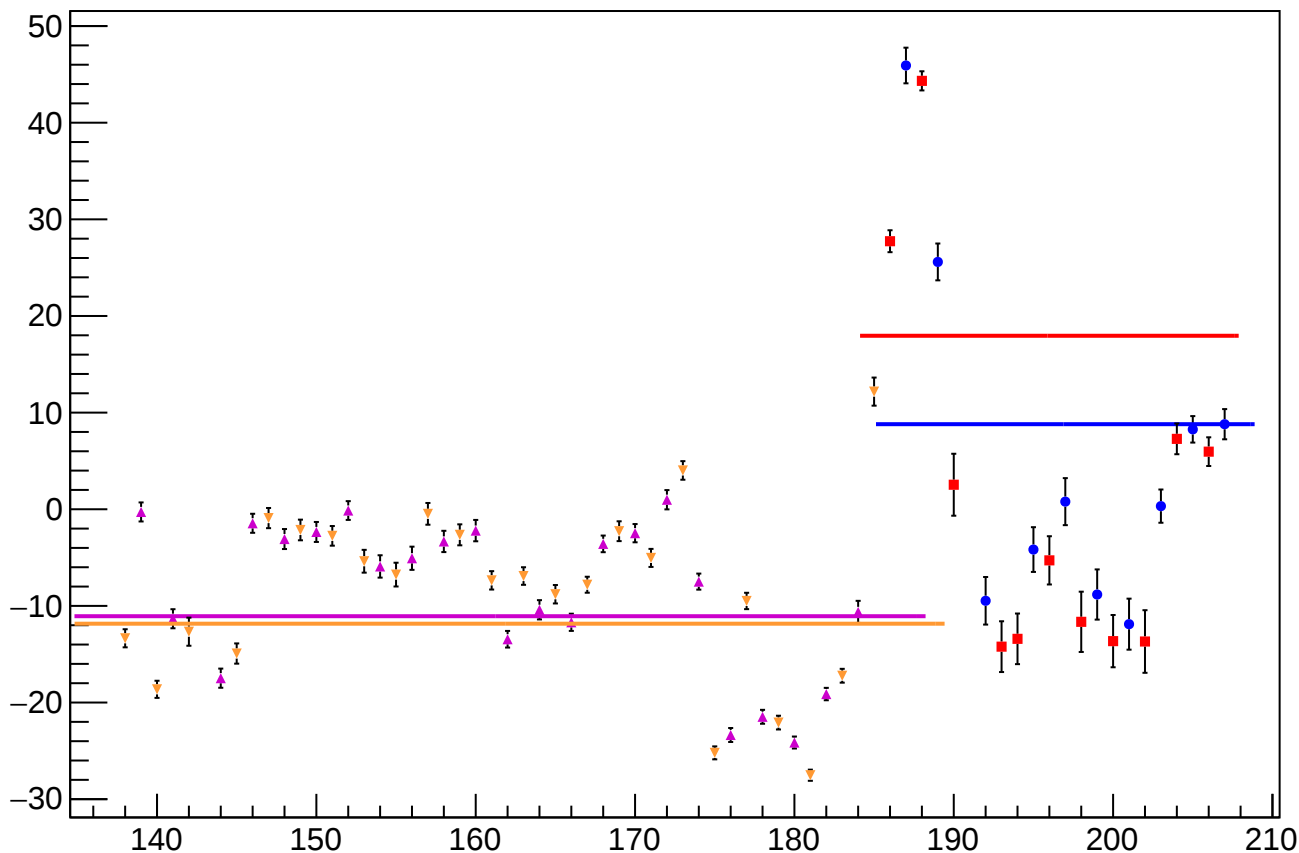
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.741 ± 0.012 χ^2/NDF : 171123.0/49

All: -39.829 ± 0.008 χ^2/NDF : 362798.1/101

- sign -39.916 ± 0.012 χ^2/NDF : 191562.4/51

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.803 ± 0.613 χ^2/NDF : 711.7/9

Left Out: -11.842 ± 0.187 χ^2/NDF : 2739.8/23

Right Out: 17.953 ± 0.532 χ^2/NDF : 1619.6/10

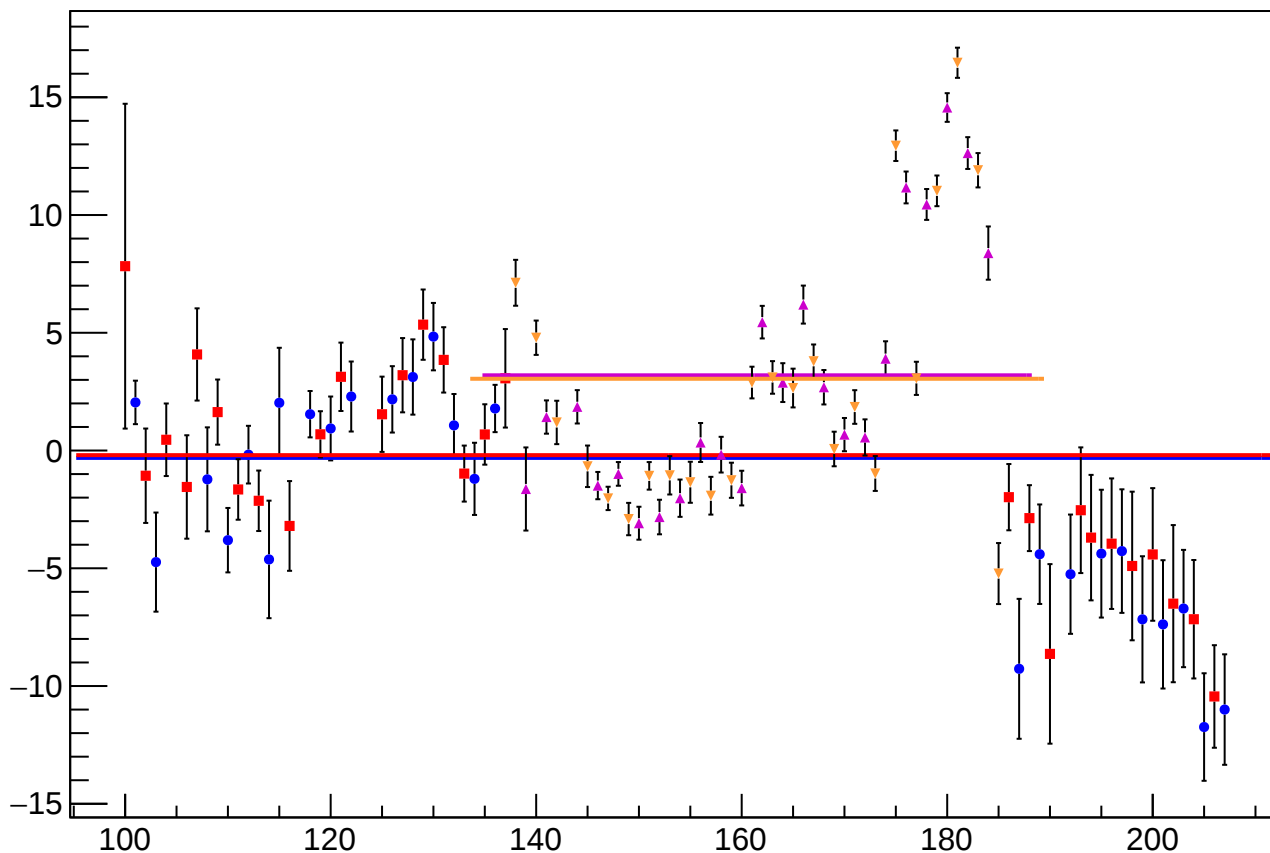
Left In: -11.067 ± 0.188 χ^2/NDF : 2104.8/22

+ sign -10.087 ± 0.179 χ^2/NDF : 4489.8/33

All: -8.959 ± 0.126 χ^2/NDF : 10936.3/67

- sign -7.849 ± 0.177 χ^2/NDF : 6367.4/33

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.313 ± 0.314 χ^2/NDF : 142.4/25

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: -0.197 ± 0.314 χ^2/NDF : 104.5/28

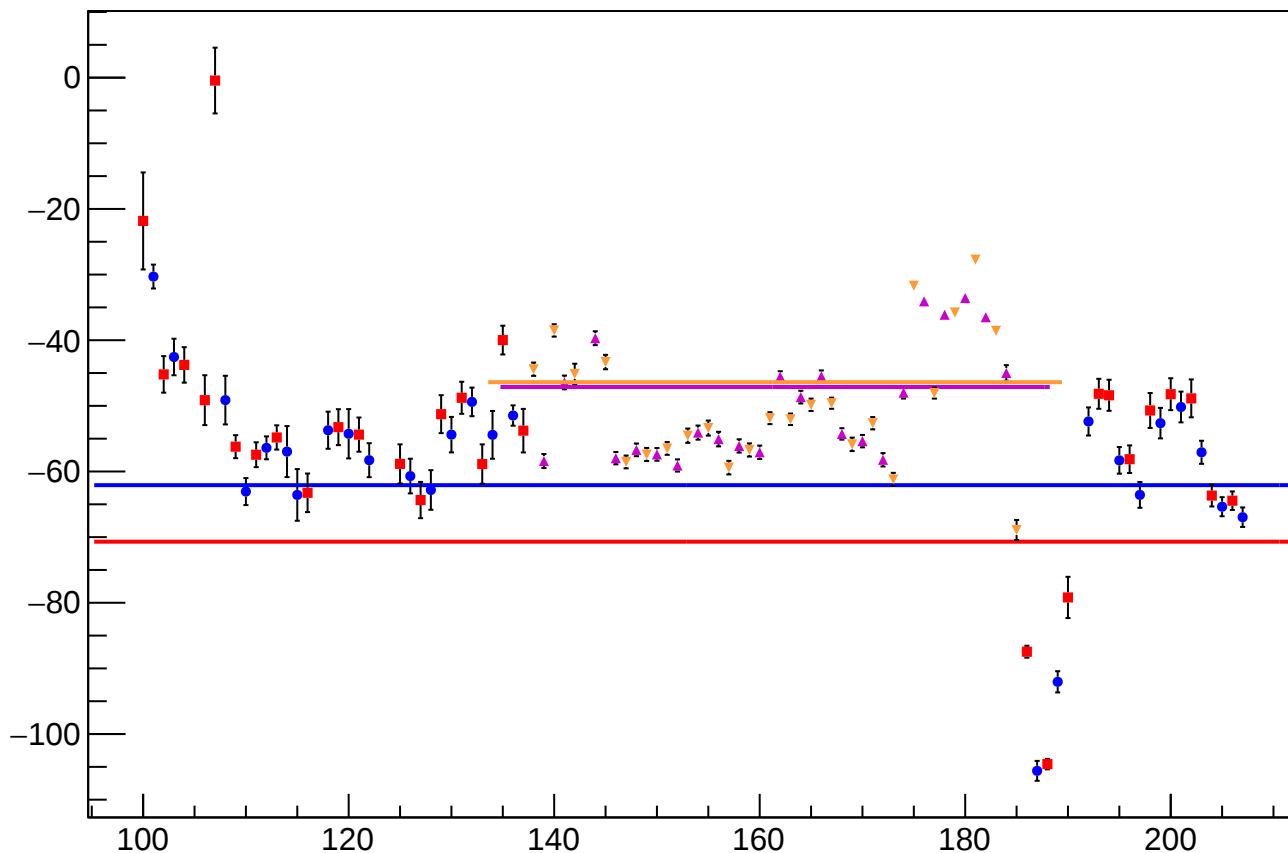
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.438 ± 0.134 χ^2/NDF : 1693.2/49

All: 2.500 ± 0.095 χ^2/NDF : 3188.3/101

- sign 2.563 ± 0.135 χ^2/NDF : 1494.7/51

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -62.083 ± 0.415 χ^2/NDF : 1747.4/25

Left Out: -46.392 ± 0.187 χ^2/NDF : 3286.7/23

Right Out: -70.696 ± 0.368 χ^2/NDF : 3725.9/28

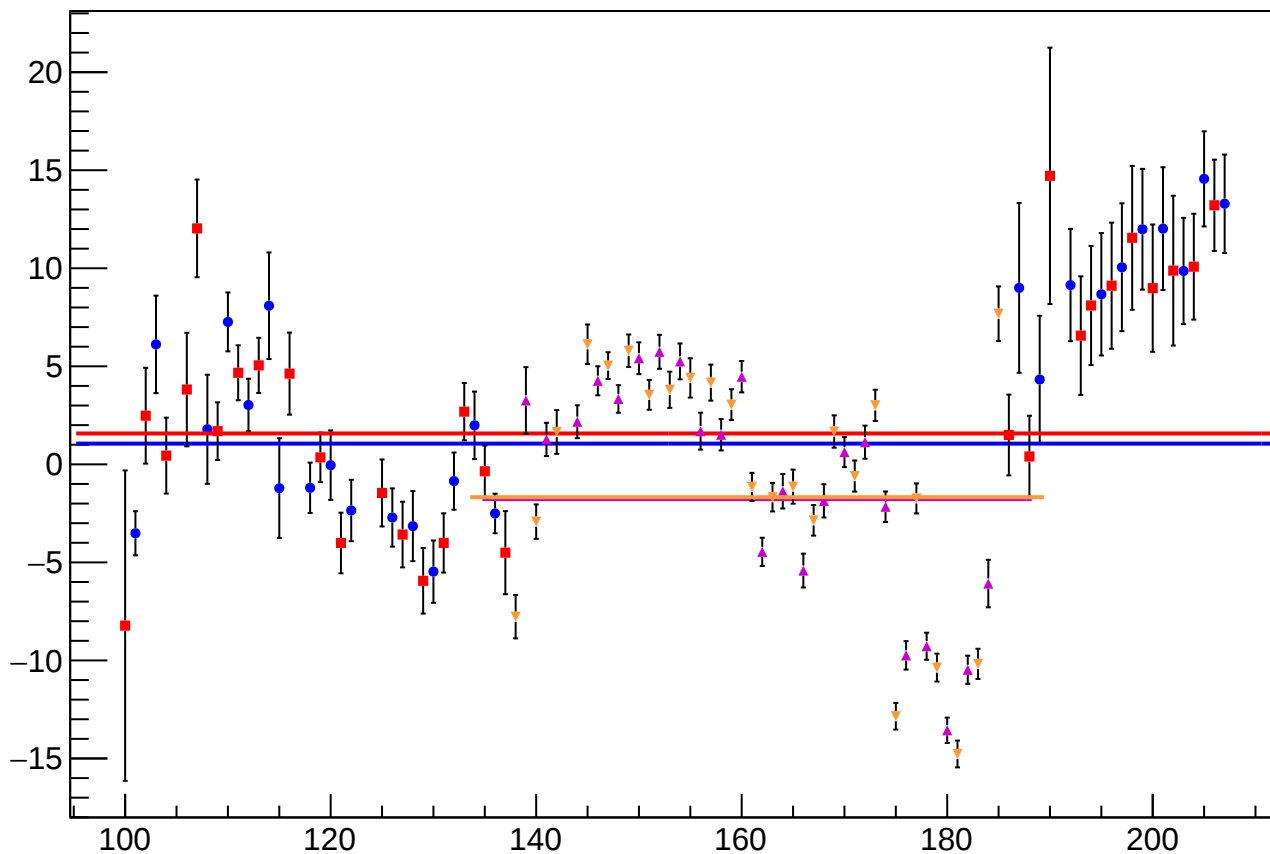
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -49.025 ± 0.170 χ^2/NDF : 6221.1/49

All: -50.531 ± 0.119 χ^2/NDF : 15879.3/101

- sign -51.978 ± 0.167 χ^2/NDF : 9504.7/51

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.057 ± 0.358 χ^2/NDF : 215.1/25

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 1.575 ± 0.362 χ^2/NDF : 174.3/28

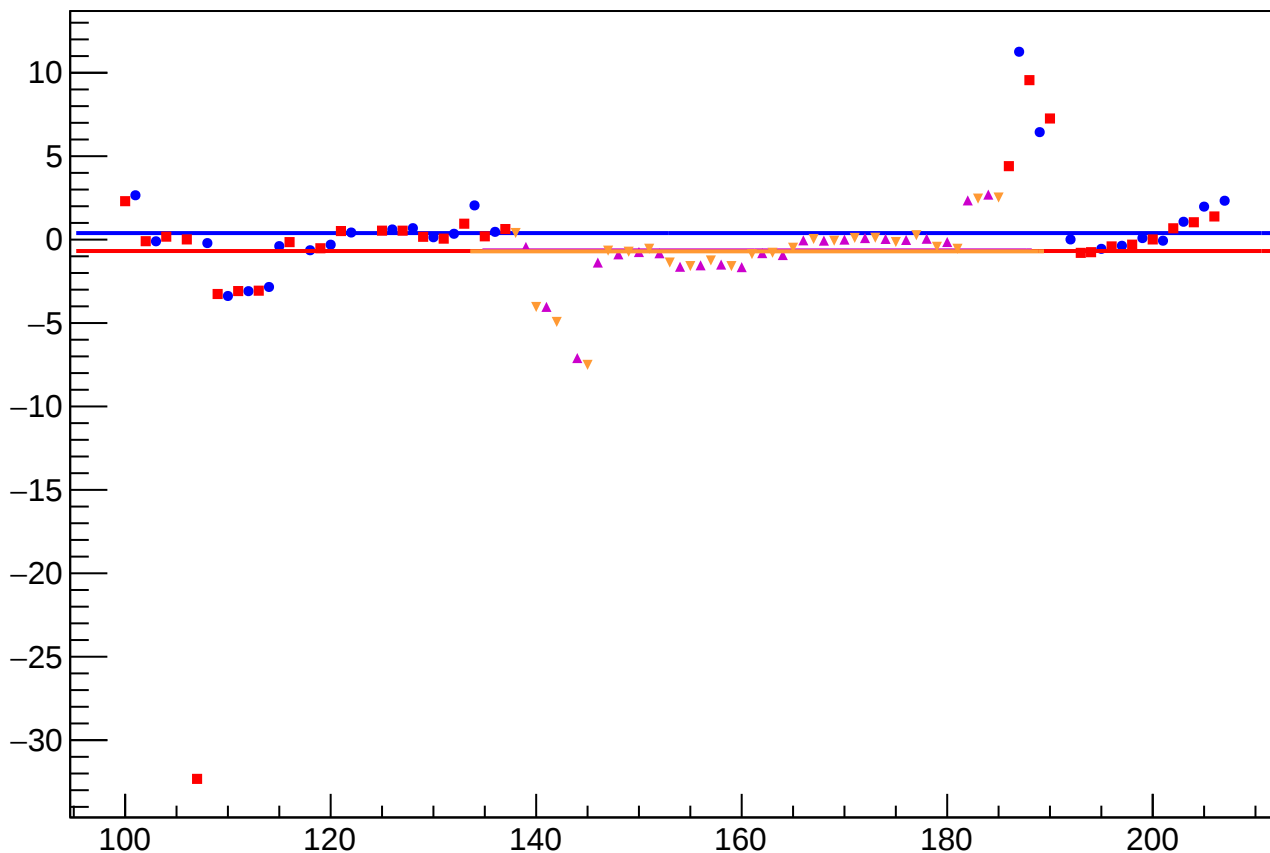
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.187 ± 0.151 χ^2/NDF : 1746.7/49

All: -1.181 ± 0.108 χ^2/NDF : 3242.3/101

- sign -1.174 ± 0.153 χ^2/NDF : 1495.5/51

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.391 ± 0.018 $\chi^2/\text{NDF}: 9948.7/25$

Left Out: -0.702 ± 0.008 $\chi^2/\text{NDF}: 53834.9/23$

Right Out: -0.684 ± 0.018 $\chi^2/\text{NDF}: 93365.0/28$

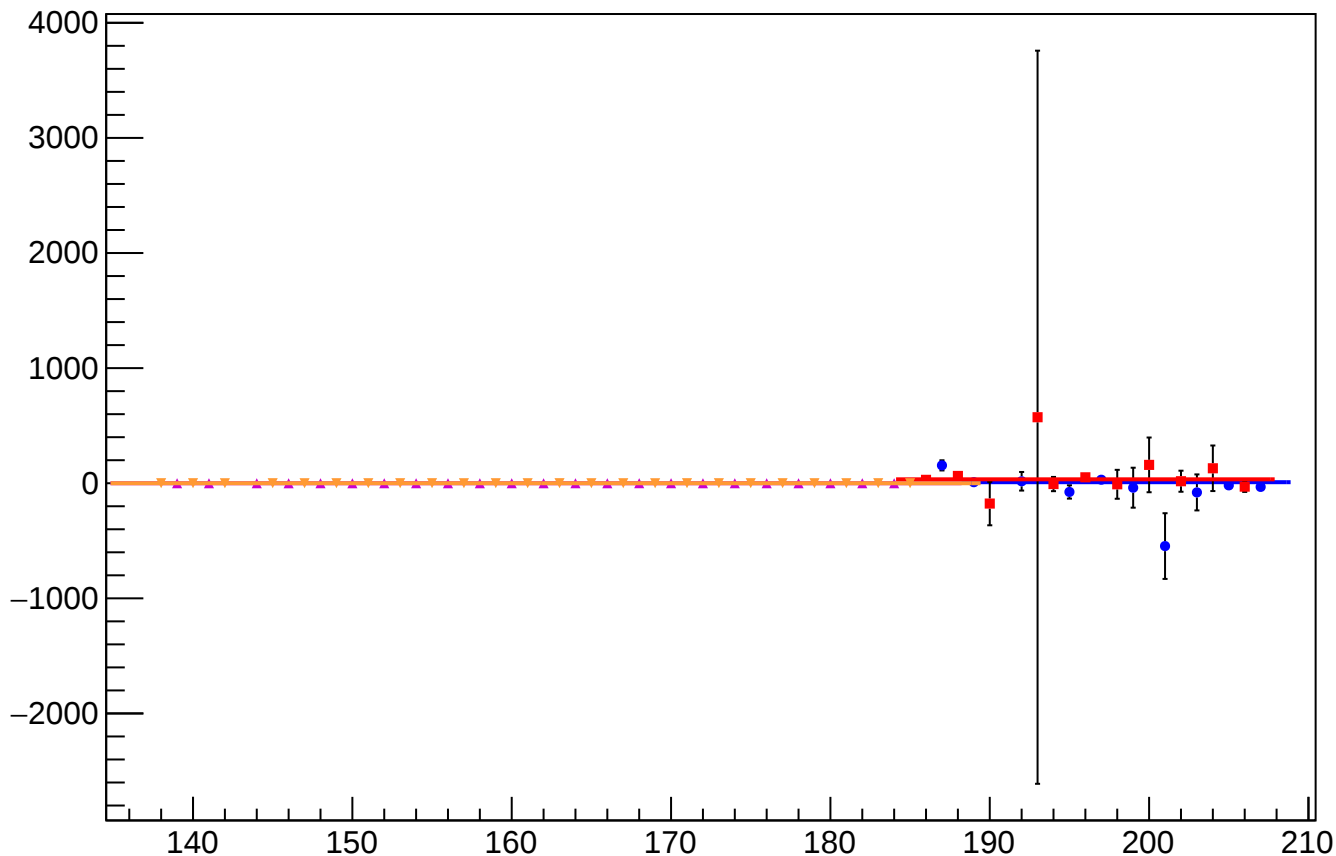
Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

+ sign -0.536 ± 0.007 $\chi^2/\text{NDF}: 66887.4/49$

All: -0.593 ± 0.005 $\chi^2/\text{NDF}: 204556.9/101$

- sign -0.650 ± 0.007 $\chi^2/\text{NDF}: 137538.3/51$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 8.996 ± 15.217 χ^2/NDF : 19.4/9

Left Out: -0.037 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 33.992 ± 9.677 χ^2/NDF : 6.6/10

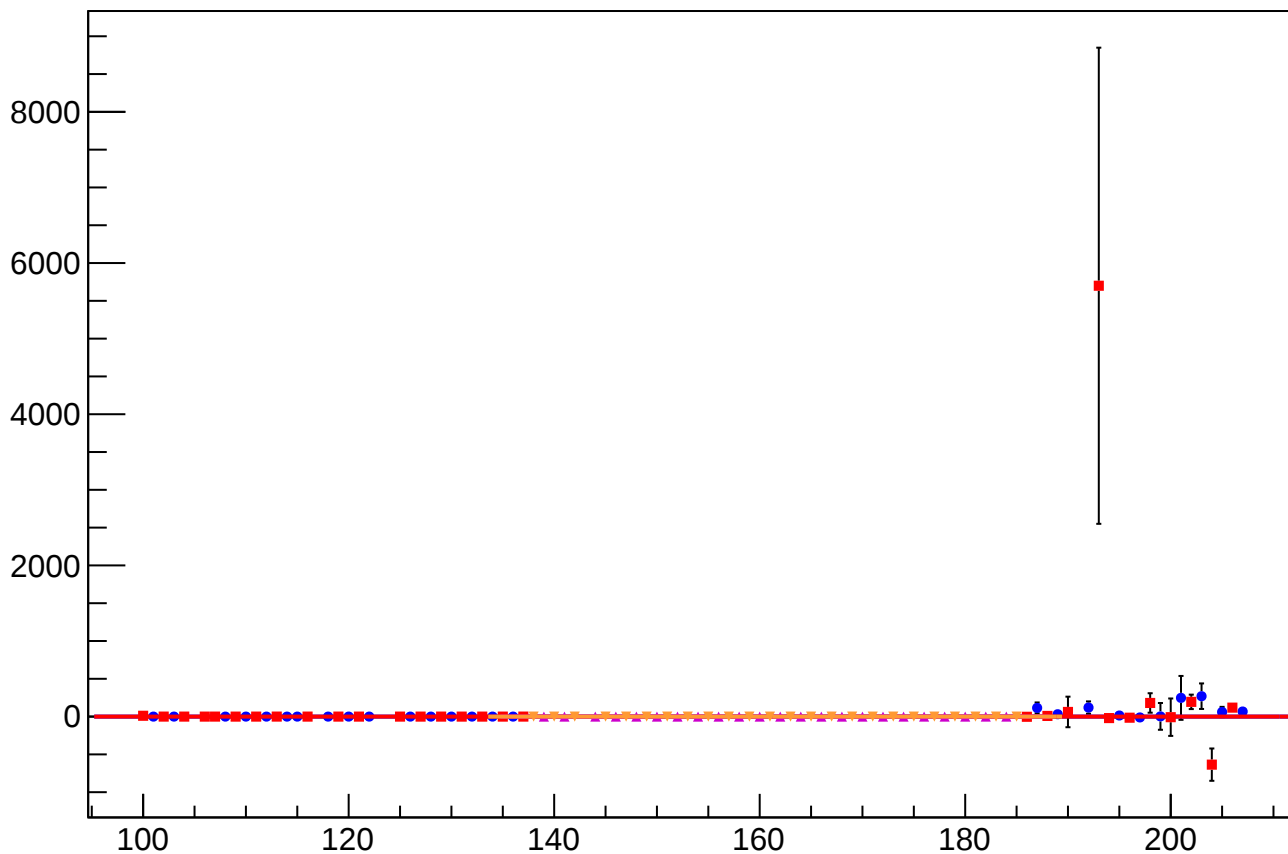
Left In: -0.010 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.037 ± 0.018 χ^2/NDF : 55.2/33

All: -0.024 ± 0.013 χ^2/NDF : 110.3/67

- sign -0.010 ± 0.018 χ^2/NDF : 54.1/33

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 23.5/25

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 34.8/28

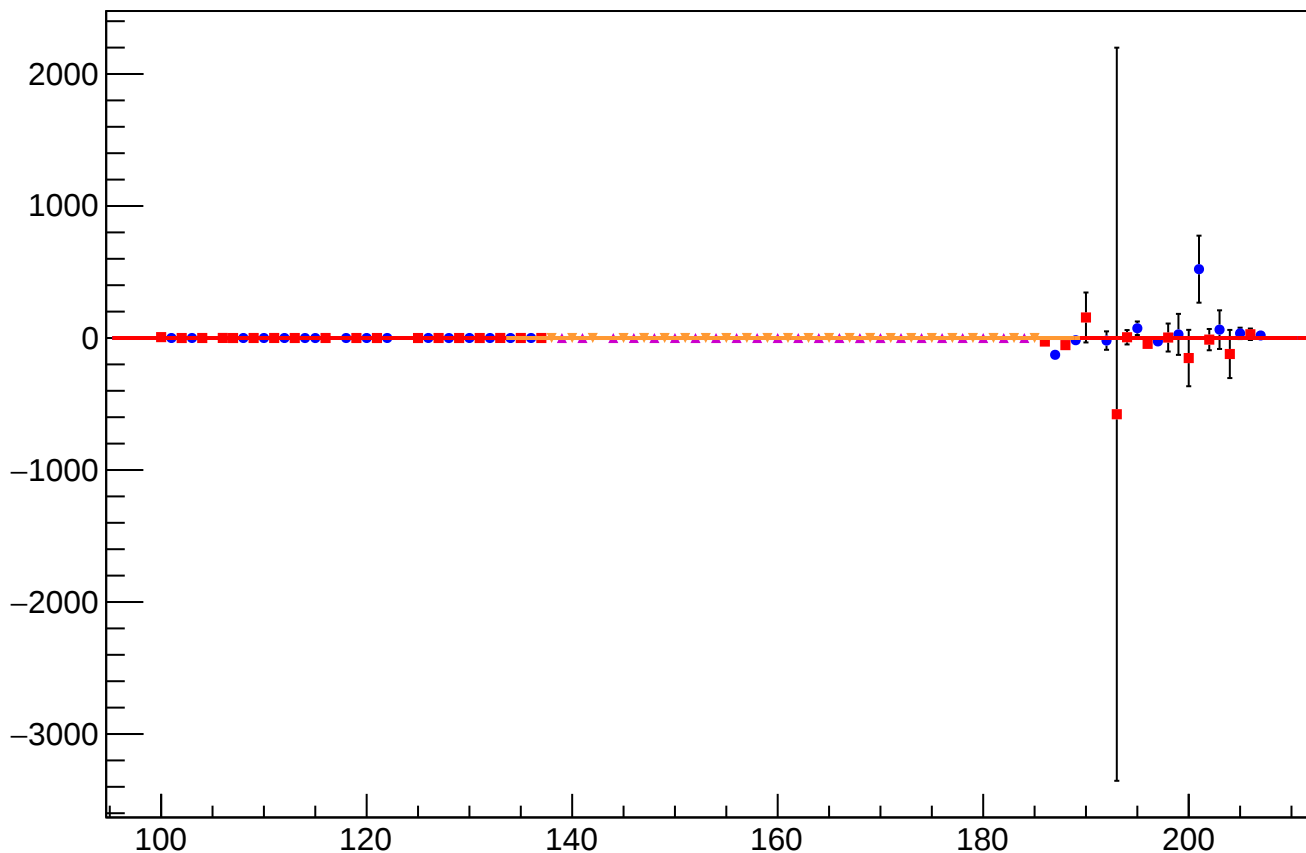
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 56.0/49

All: -0.063 ± 0.009 χ^2/NDF : 133.1/101

- sign -0.070 ± 0.012 χ^2/NDF : 76.6/51

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 30.1/25

Left Out: 0.035 $\pm$ 0.018 χ^2 /NDF:32.2/23

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 30.7/28

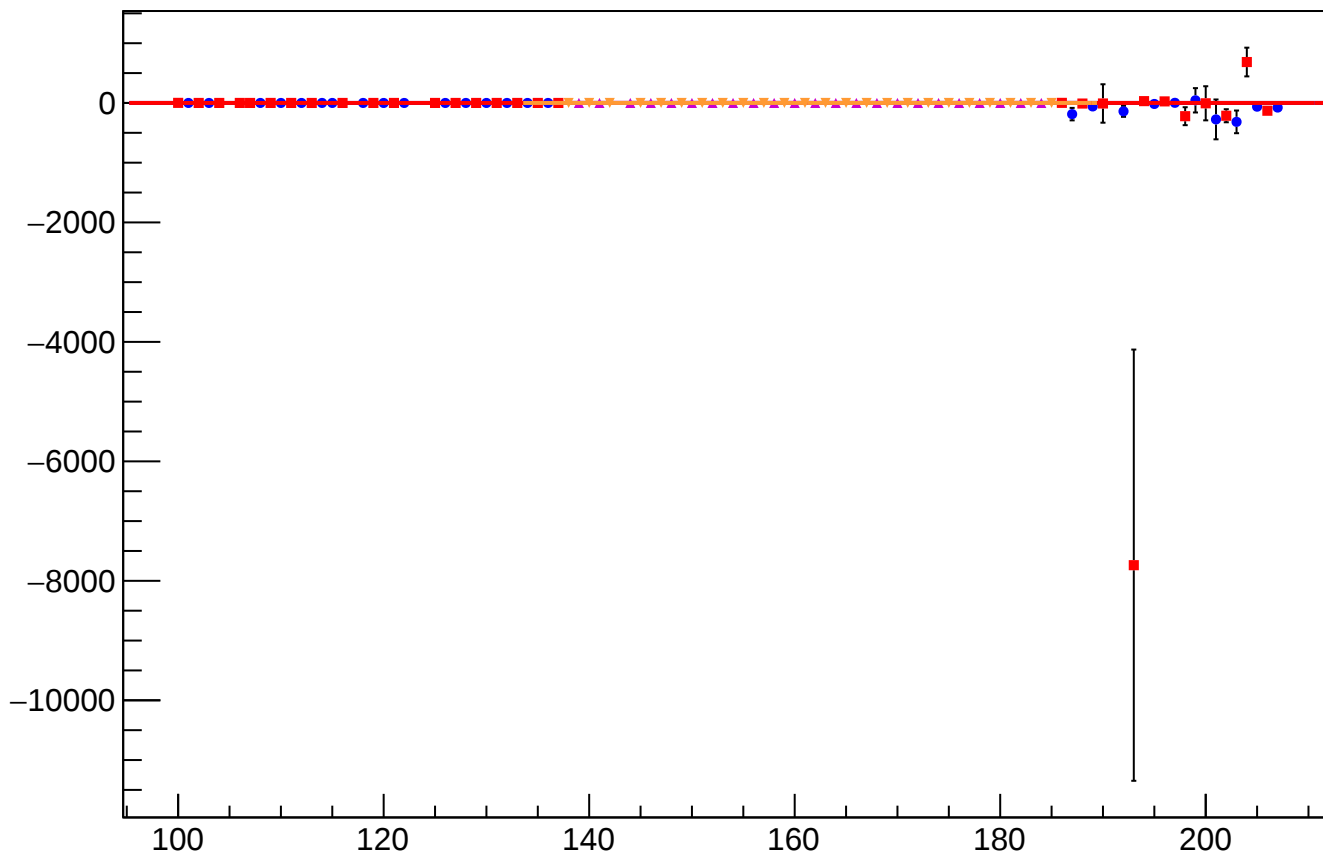
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 62.5/49

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 133.0/101

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 68.2/51

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2/NDF : 24.7/25

Left Out: 0.086 $\pm$ 0.016 χ^2/NDF : 27.7/23

Right Out: 0.105 $\pm$ 0.029 χ^2/NDF : 30.7/28

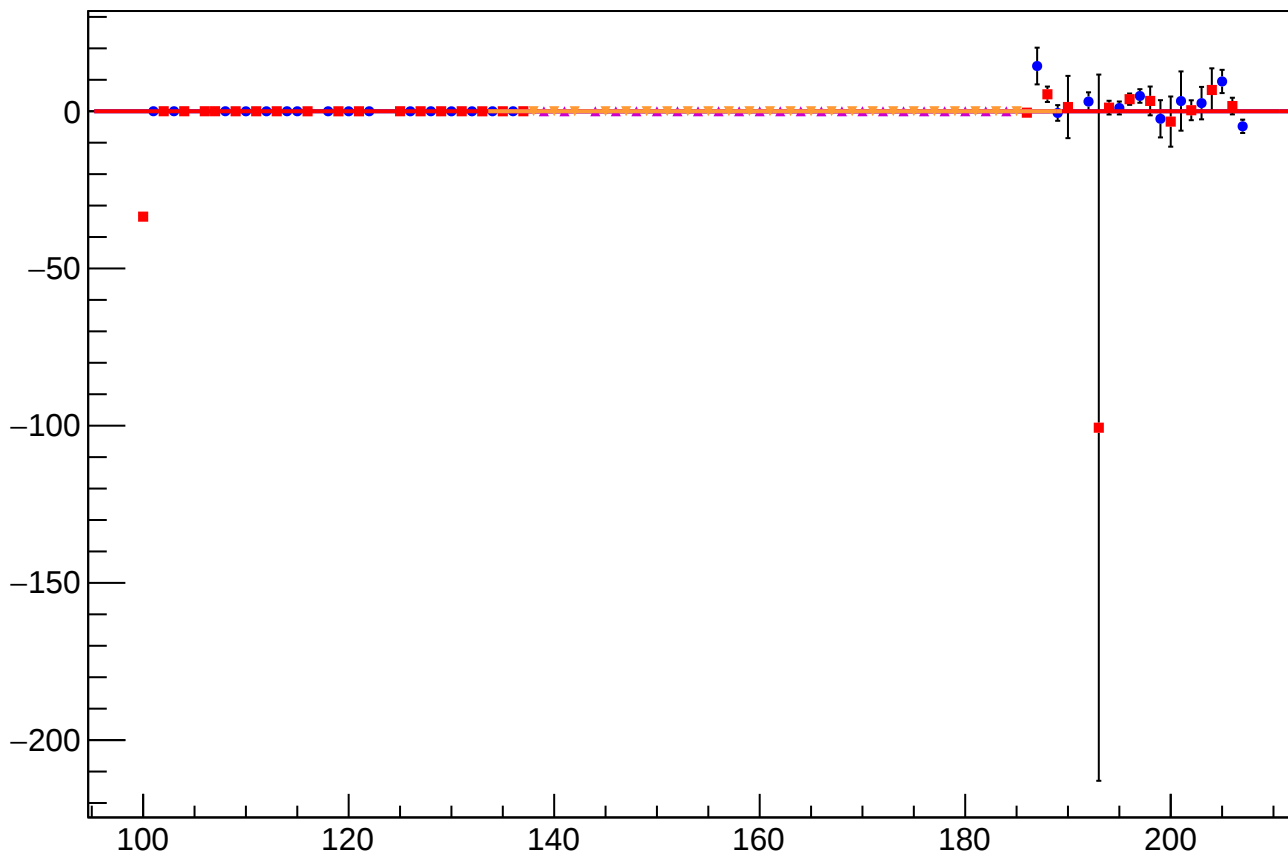
Left In: 0.070 $\pm$ 0.016 χ^2/NDF : 44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2/NDF : 58.5/49

All: 0.072 $\pm$ 0.010 χ^2/NDF : 135.6/101

- sign 0.078 $\pm$ 0.014 χ^2/NDF : 76.7/51

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 46.3/25

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26521.6/28

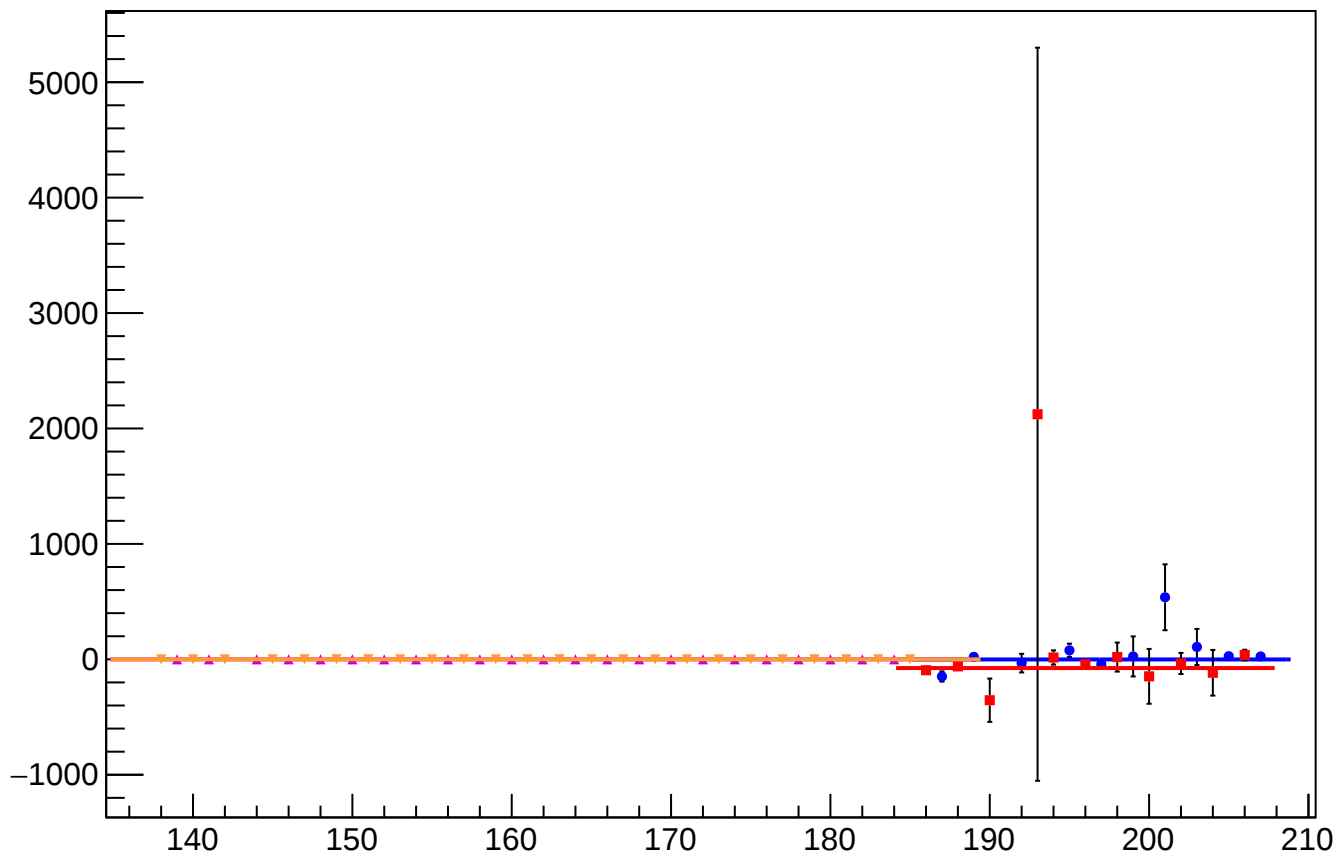
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 82.7/49

All: -0.001 ± 0.000 χ^2/NDF : 26640.6/101

- sign -0.001 ± 0.001 χ^2/NDF : 26557.8/51

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -1.090 ± 15.212 χ^2/NDF : 19.8/9

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -75.556 ± 9.679 χ^2/NDF : 15.3/10

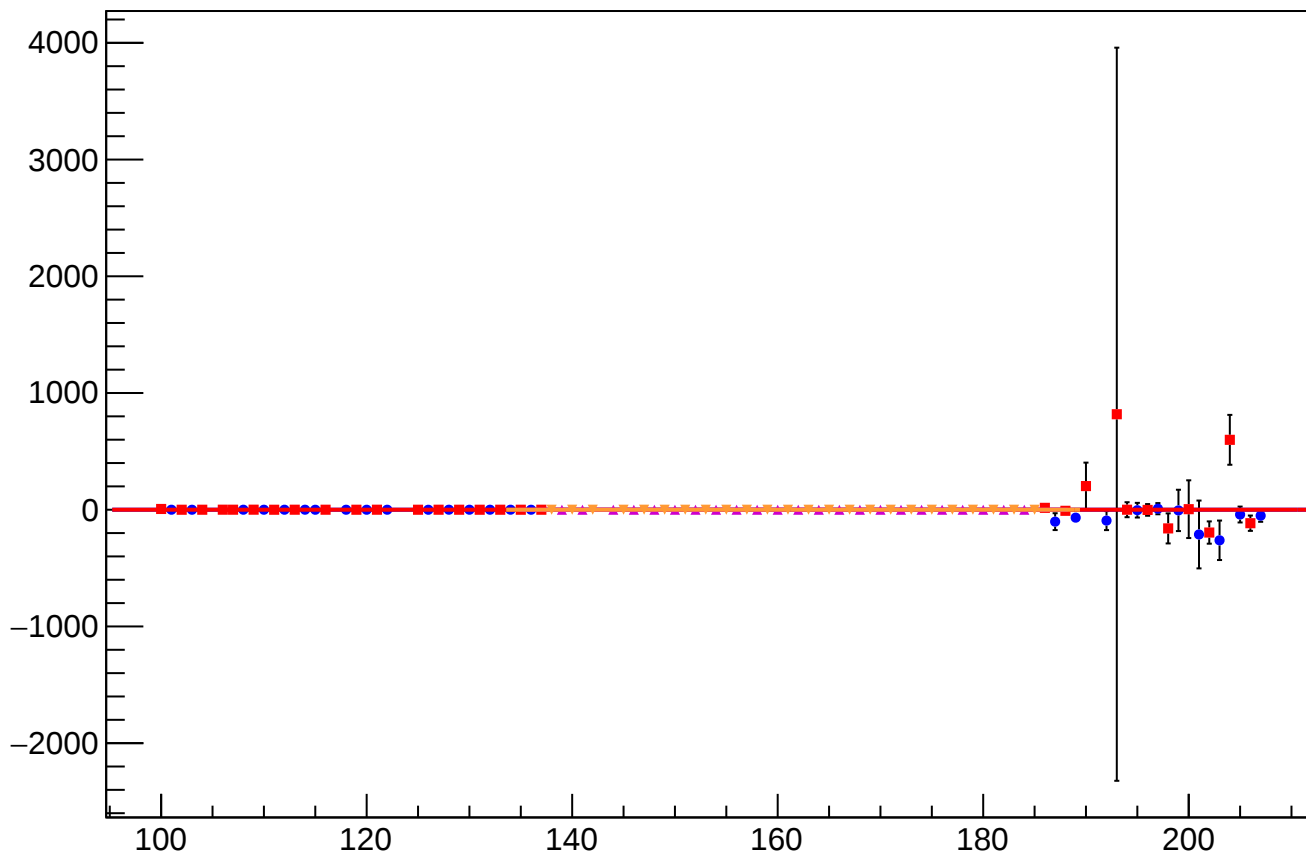
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 57.2/33

All: -0.031 ± 0.013 χ^2/NDF : 171.4/67

- sign -0.009 ± 0.018 χ^2/NDF : 111.3/33

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.007 ± 0.023 χ^2/NDF : 37.3/25

Left Out: -0.011 ± 0.014 χ^2/NDF : 29.6/23

Right Out: 0.037 ± 0.025 χ^2/NDF : 47.7/28

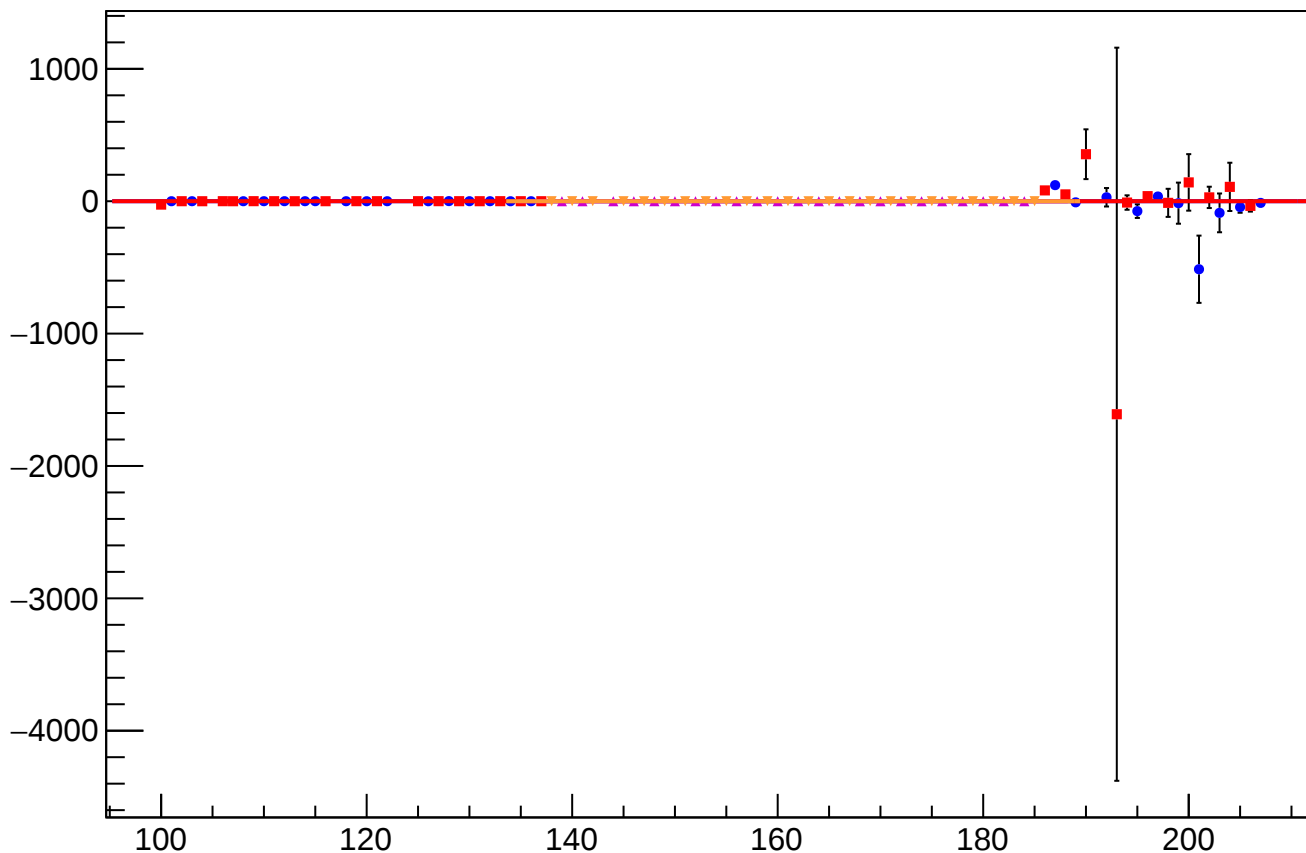
Left In: 0.005 ± 0.014 χ^2/NDF : 49.6/22

+ sign -0.006 ± 0.012 χ^2/NDF : 67.3/49

All: 0.003 ± 0.009 χ^2/NDF : 167.0/101

- sign 0.013 ± 0.012 χ^2/NDF : 98.5/51

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2/NDF : 50.2/25

Left Out: 0.048 $\pm$ 0.018 χ^2/NDF : 35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2/NDF : 108.6/28

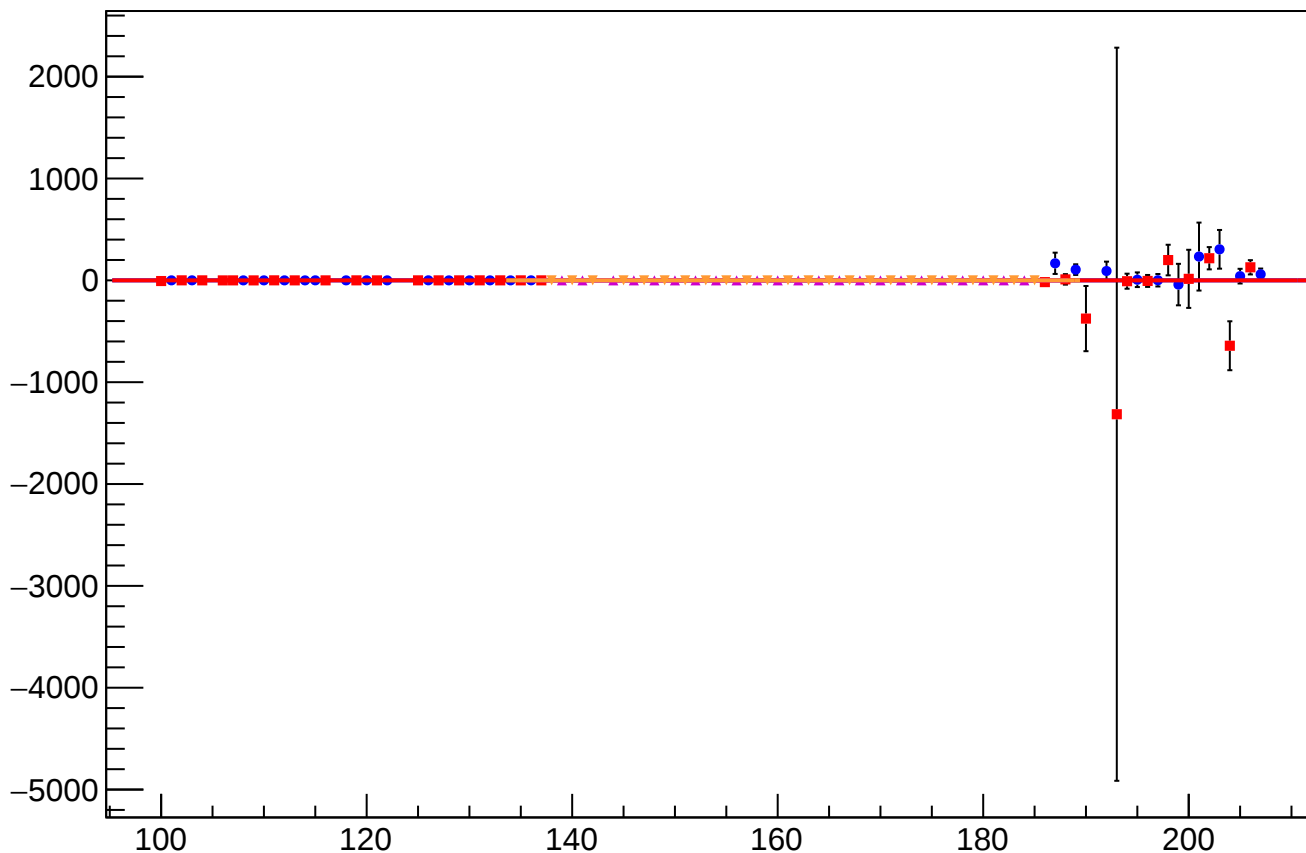
Left In: 0.020 $\pm$ 0.018 χ^2/NDF : 35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2/NDF : 91.0/49

All: 0.054 $\pm$ 0.012 χ^2/NDF : 249.5/101

- sign 0.044 $\pm$ 0.017 χ^2/NDF : 157.8/51

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 36.8/25

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 44.6/28

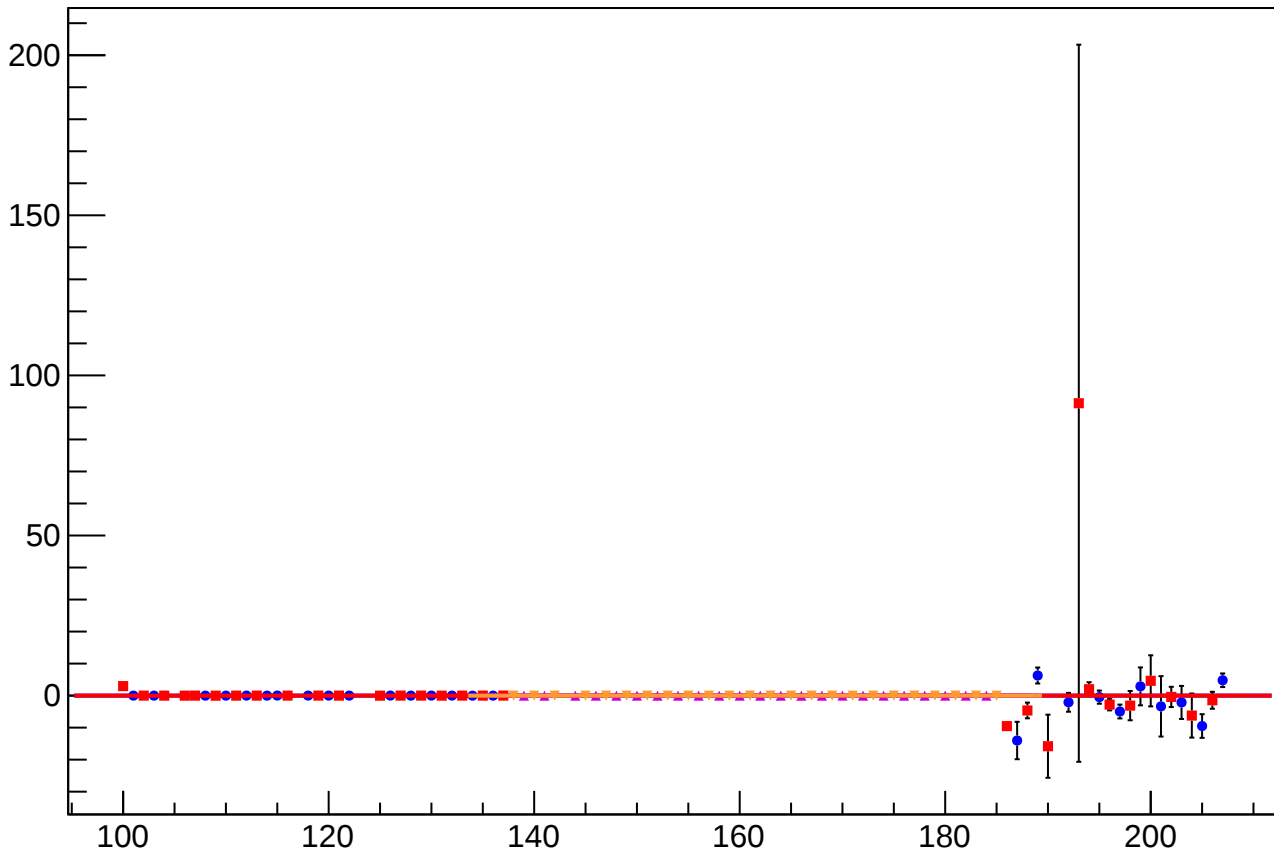
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 71.1/49

All: 0.004 ± 0.010 χ^2/NDF : 169.5/101

- sign -0.007 ± 0.014 χ^2/NDF : 97.3/51

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 57.6/25

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 214.9/28

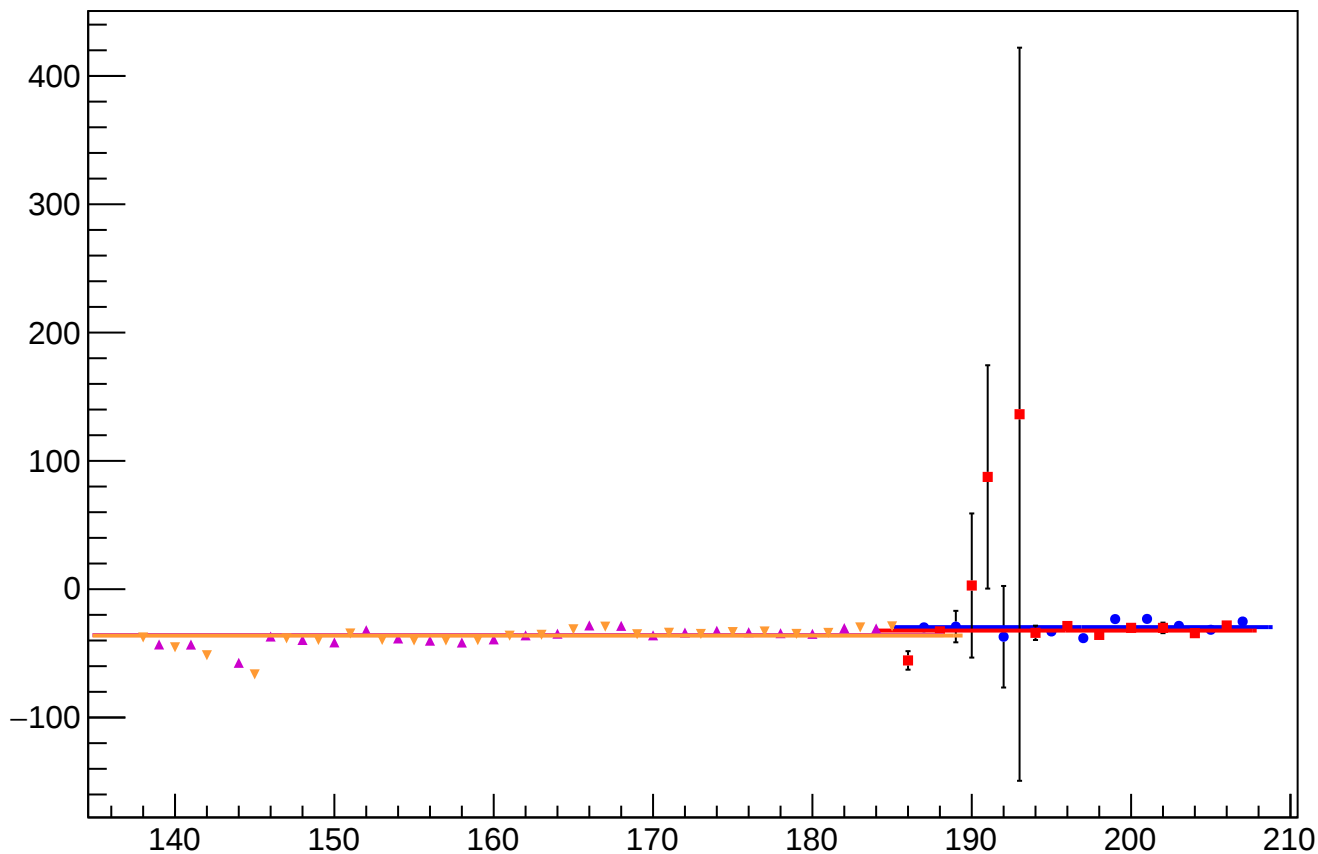
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 91.3/49

All: -0.008 ± 0.000 χ^2/NDF : 346.5/101

- sign -0.008 ± 0.001 χ^2/NDF : 255.1/51

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.576 ± 0.859 χ^2/NDF : 24.1/9

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.254 ± 0.808 χ^2/NDF : 20.7/11

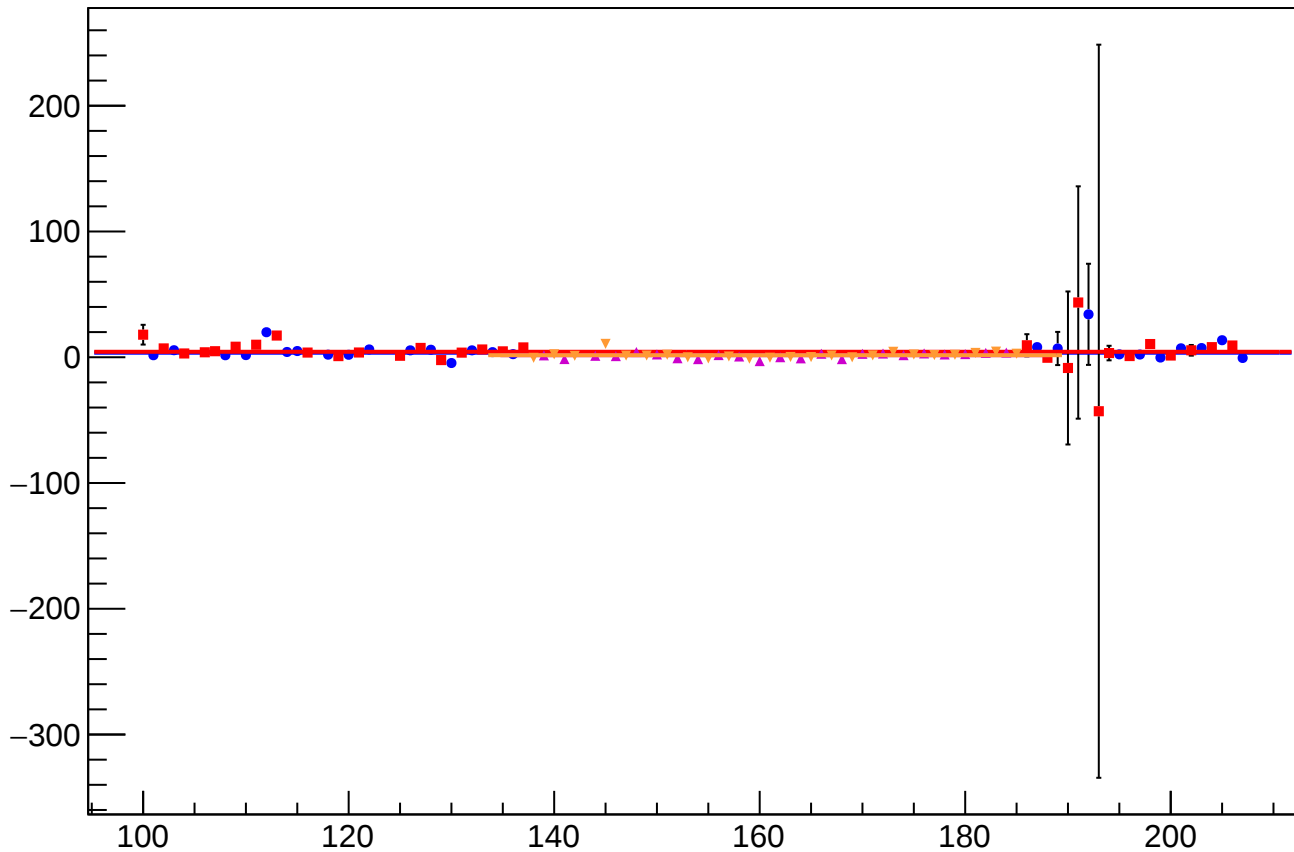
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.809 ± 0.187 χ^2/NDF : 1194.3/33

All: -35.700 ± 0.132 χ^2/NDF : 2087.8/68

- sign -35.592 ± 0.186 χ^2/NDF : 892.9/34

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.601 $\pm$ 0.217 χ^2 /NDF: 456.9/25

Left Out: 1.634 $\pm$ 0.148 χ^2 /NDF: 166.5/23

Right Out: 4.349 $\pm$ 0.221 χ^2 /NDF: 369.0/29

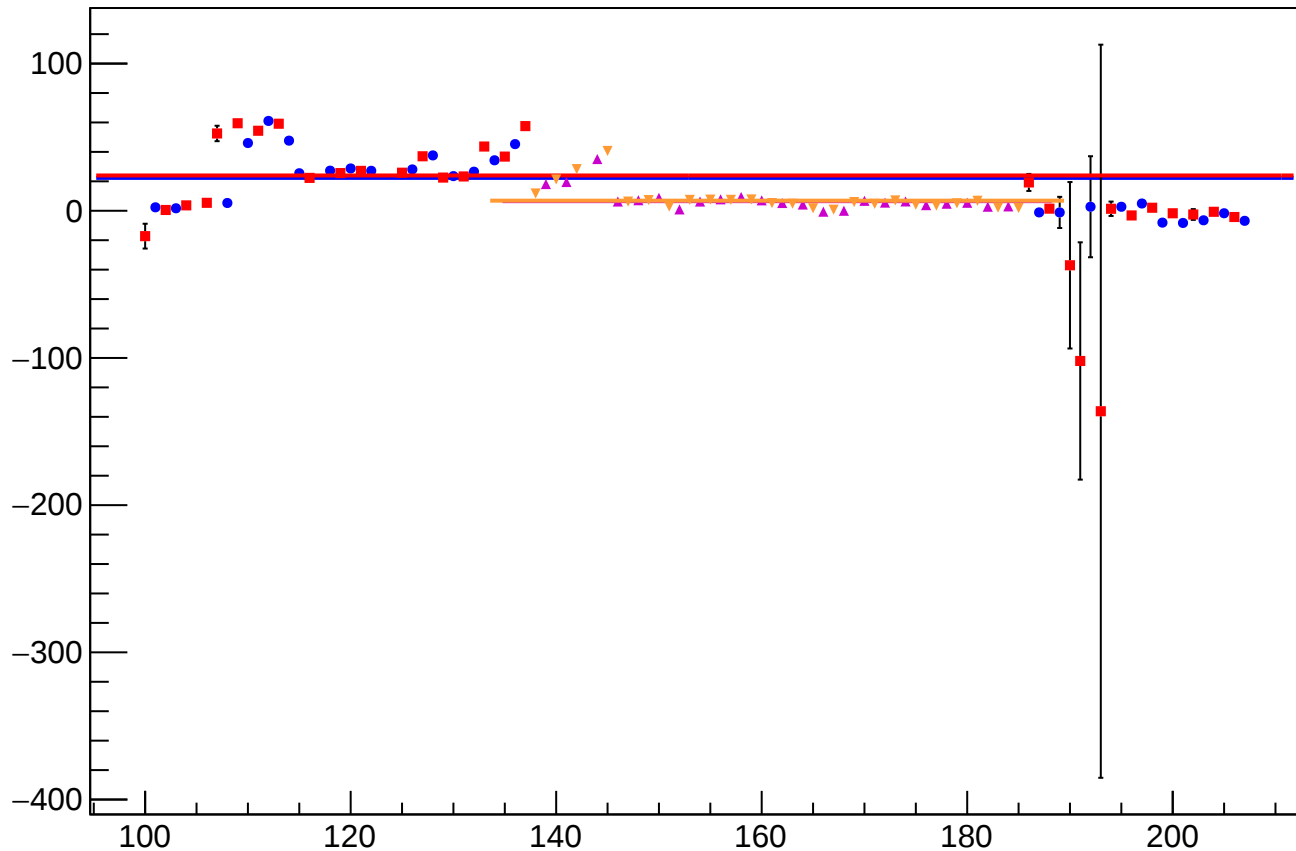
Left In: 1.641 $\pm$ 0.150 χ^2 /NDF: 163.2/22

+ sign 2.259 $\pm$ 0.122 χ^2 /NDF: 679.6/49

All: 2.374 $\pm$ 0.087 χ^2 /NDF: 1316.9/102

- sign 2.493 $\pm$ 0.124 χ^2 /NDF: 635.4/52

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 22.348 $\pm$ 0.370 χ^2 /NDF: 2806.1/25

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF: 1295.7/23

Right Out: 23.981 $\pm$ 0.362 χ^2 /NDF: 3283.7/29

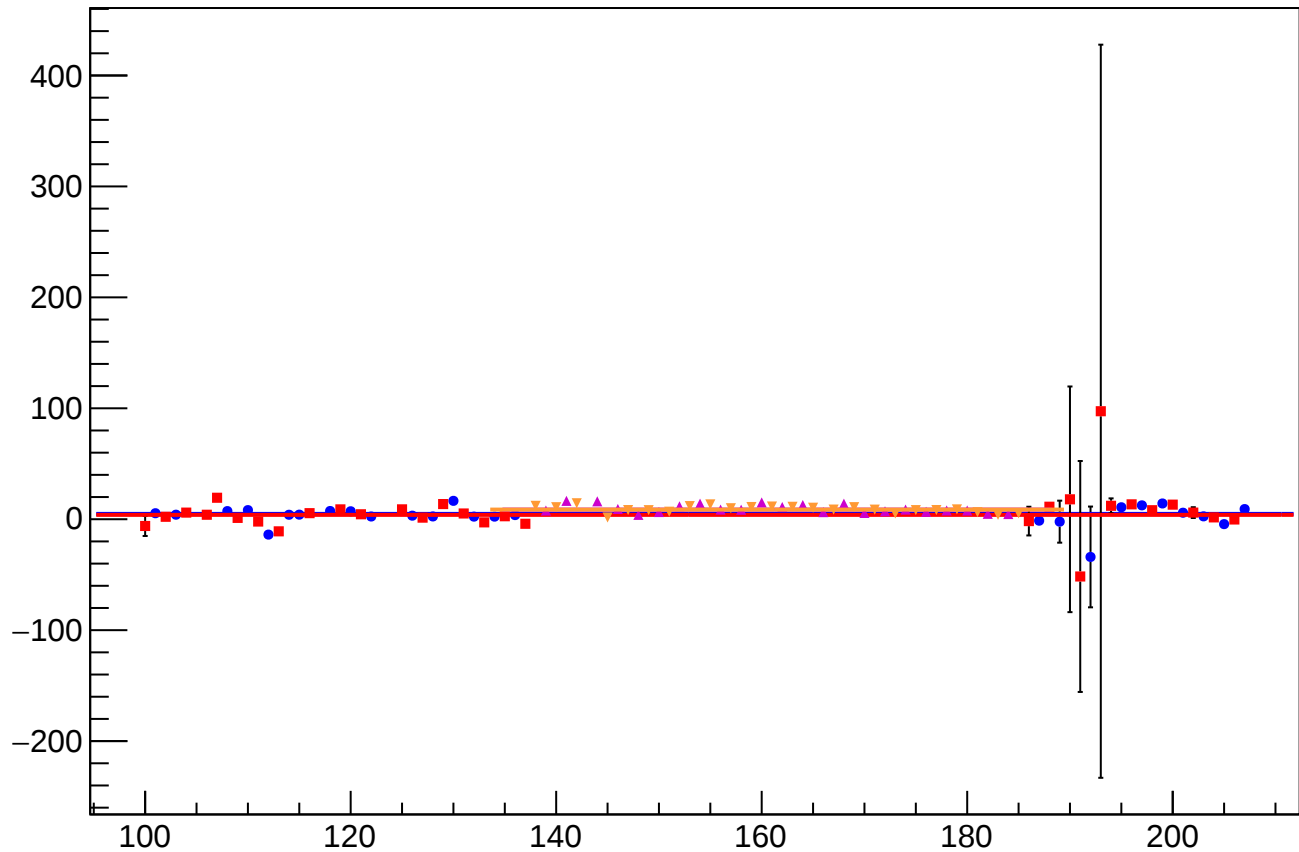
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.133 $\pm$ 0.170 χ^2 /NDF: 5482.6/49

All: 10.227 $\pm$ 0.120 χ^2 /NDF: 11612.3/102

- sign 10.319 $\pm$ 0.168 χ^2 /NDF: 6129.1/52

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.805 ± 0.250 $\chi^2/\text{NDF}: 571.2/25$

Left Out: 8.695 ± 0.169 $\chi^2/\text{NDF}: 241.0/23$

Right Out: 3.937 ± 0.254 $\chi^2/\text{NDF}: 589.1/29$

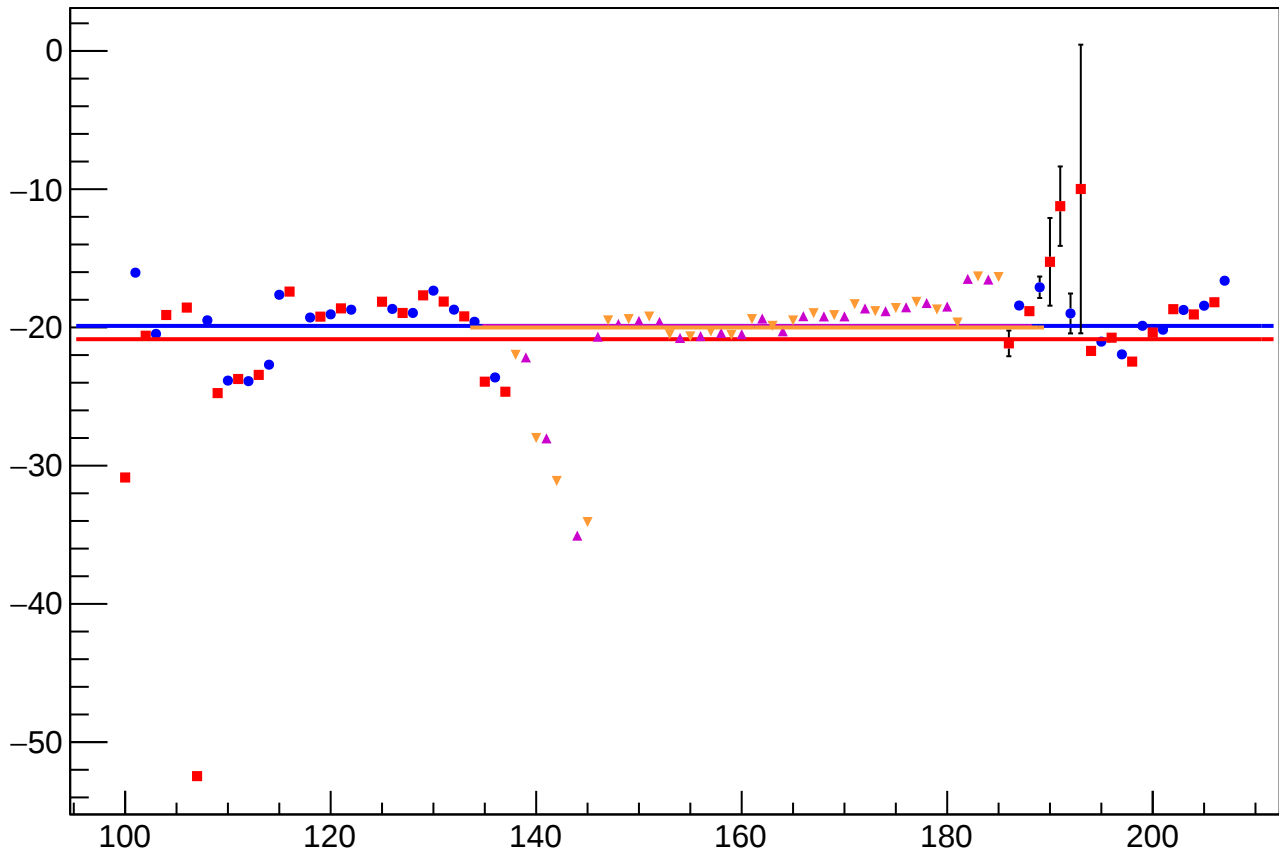
Left In: 8.668 ± 0.170 $\chi^2/\text{NDF}: 436.7/22$

+ sign 7.475 ± 0.140 $\chi^2/\text{NDF}: 978.3/49$

All: 7.341 ± 0.099 $\chi^2/\text{NDF}: 2244.9/102$

- sign 7.205 ± 0.141 $\chi^2/\text{NDF}: 1264.8/52$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.015 χ^2/NDF : 27141.0/25

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.852 ± 0.015 χ^2/NDF : 95238.2/29

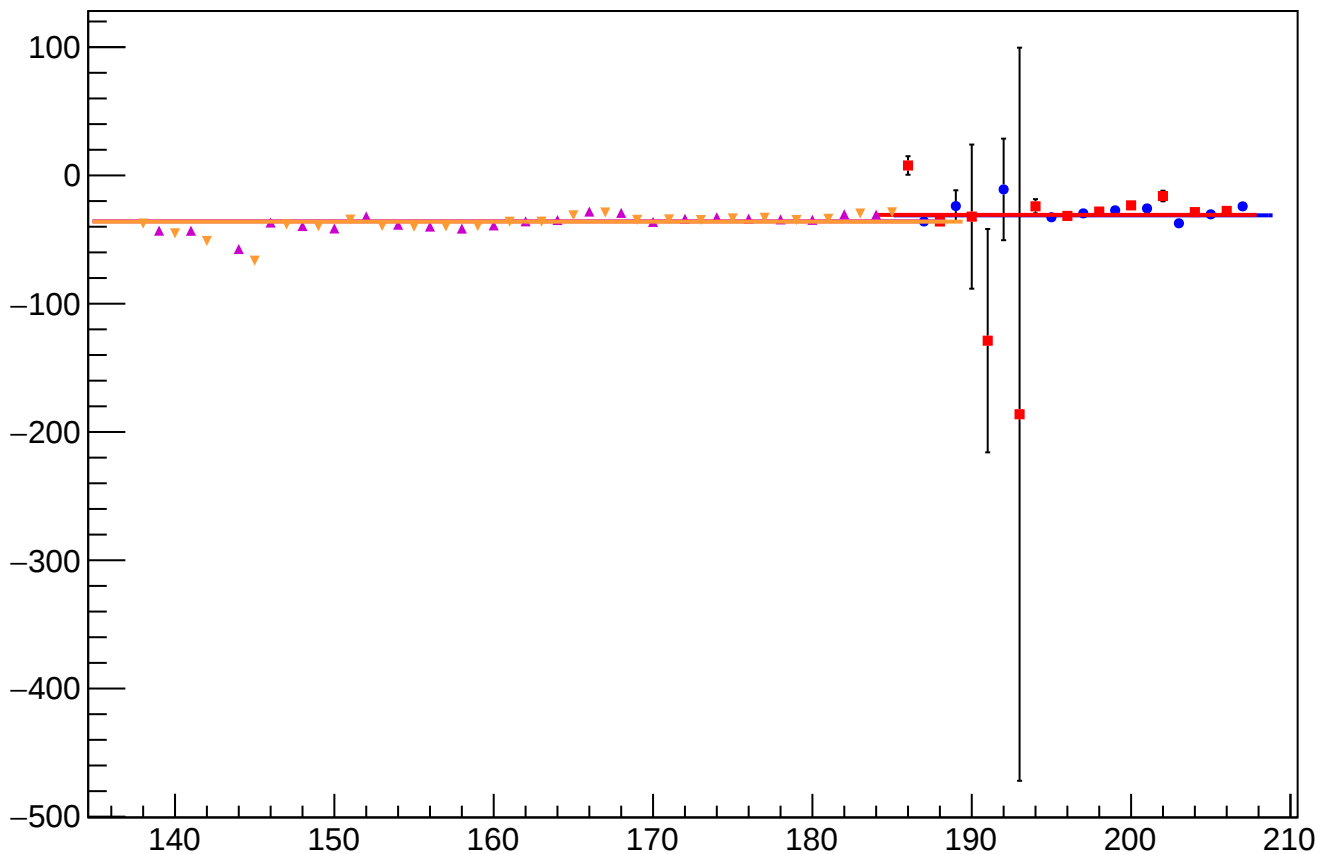
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.980 ± 0.007 χ^2/NDF : 198952.5/49

All: -20.042 ± 0.005 χ^2/NDF : 441739.2/102

- sign -20.104 ± 0.007 χ^2/NDF : 242627.5/52

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.120 ± 0.862 χ^2/NDF : 27.5/9

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -30.756 ± 0.811 χ^2/NDF : 71.9/11

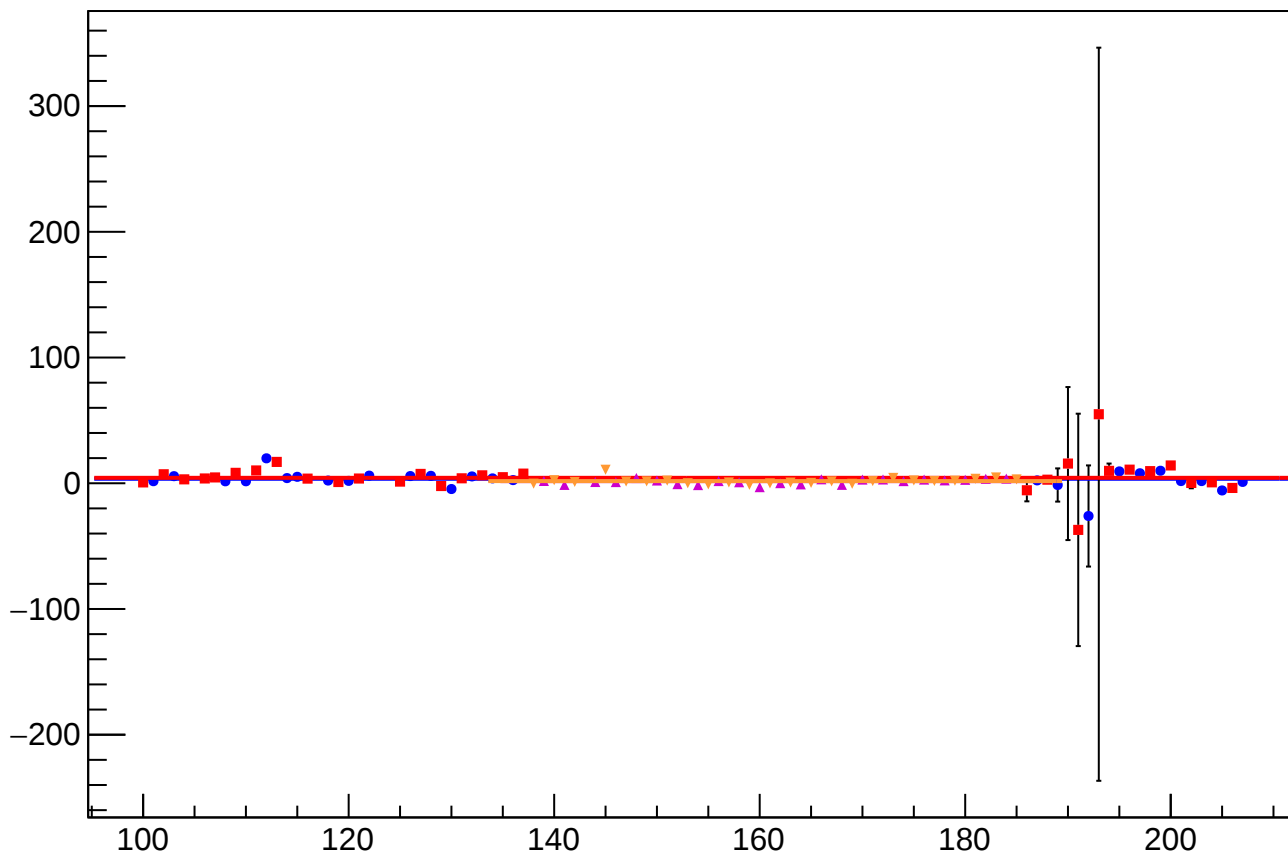
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.799 ± 0.187 χ^2/NDF : 1179.7/33

All: -35.650 ± 0.132 χ^2/NDF : 2131.7/68

- sign -35.502 ± 0.186 χ^2/NDF : 950.7/34

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.568 ± 0.217 χ^2/NDF : 456.0/25

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.321 ± 0.217 χ^2/NDF : 378.2/29

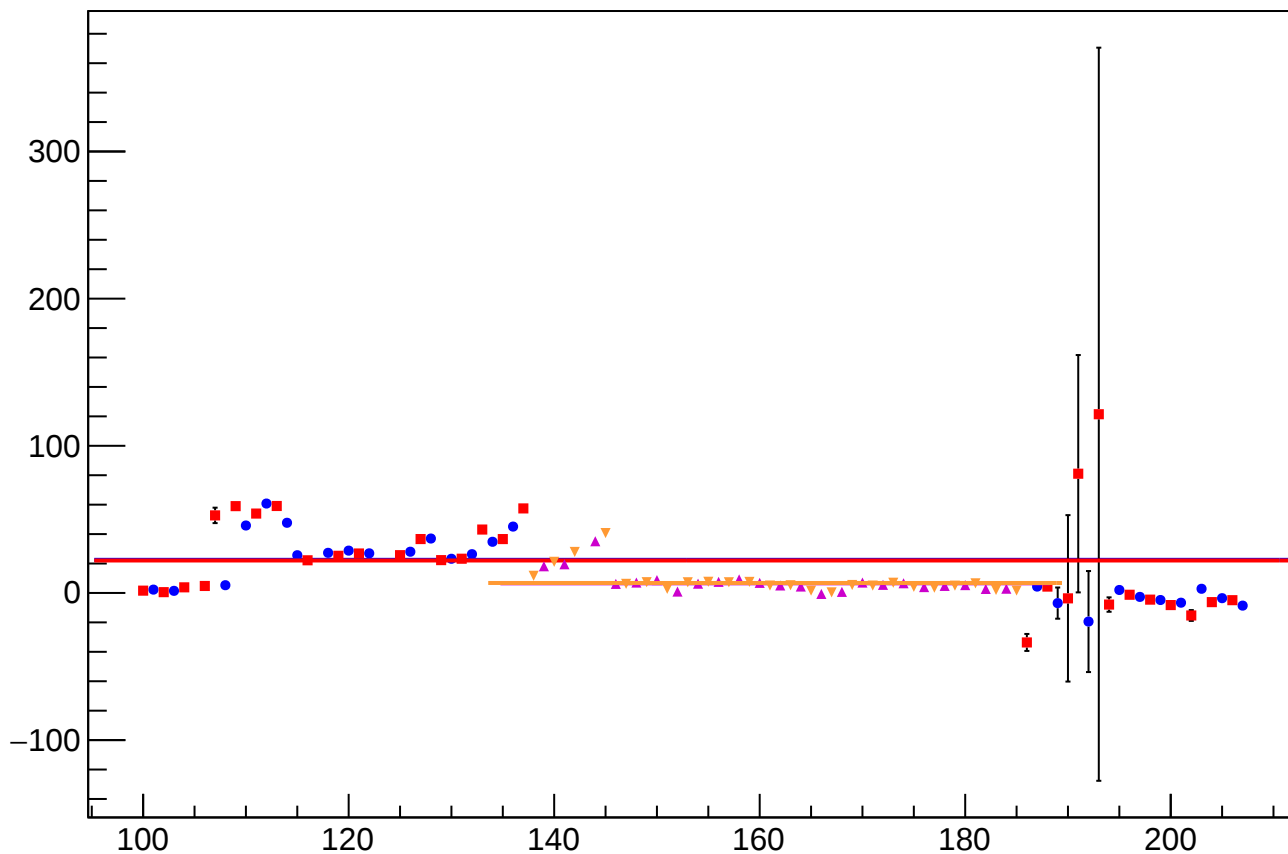
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.309 ± 0.122 χ^2/NDF : 673.7/49

All: 2.427 ± 0.087 χ^2/NDF : 1315.3/102

- sign 2.546 ± 0.123 χ^2/NDF : 639.8/52

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.511 $\pm$ 0.370 χ^2 /NDF: 2694.3/25

Left Out: 6.779 $\pm$ 0.191 χ^2 /NDF: 1297.7/23

Right Out: 22.063 $\pm$ 0.349 χ^2 /NDF: 3659.2/29

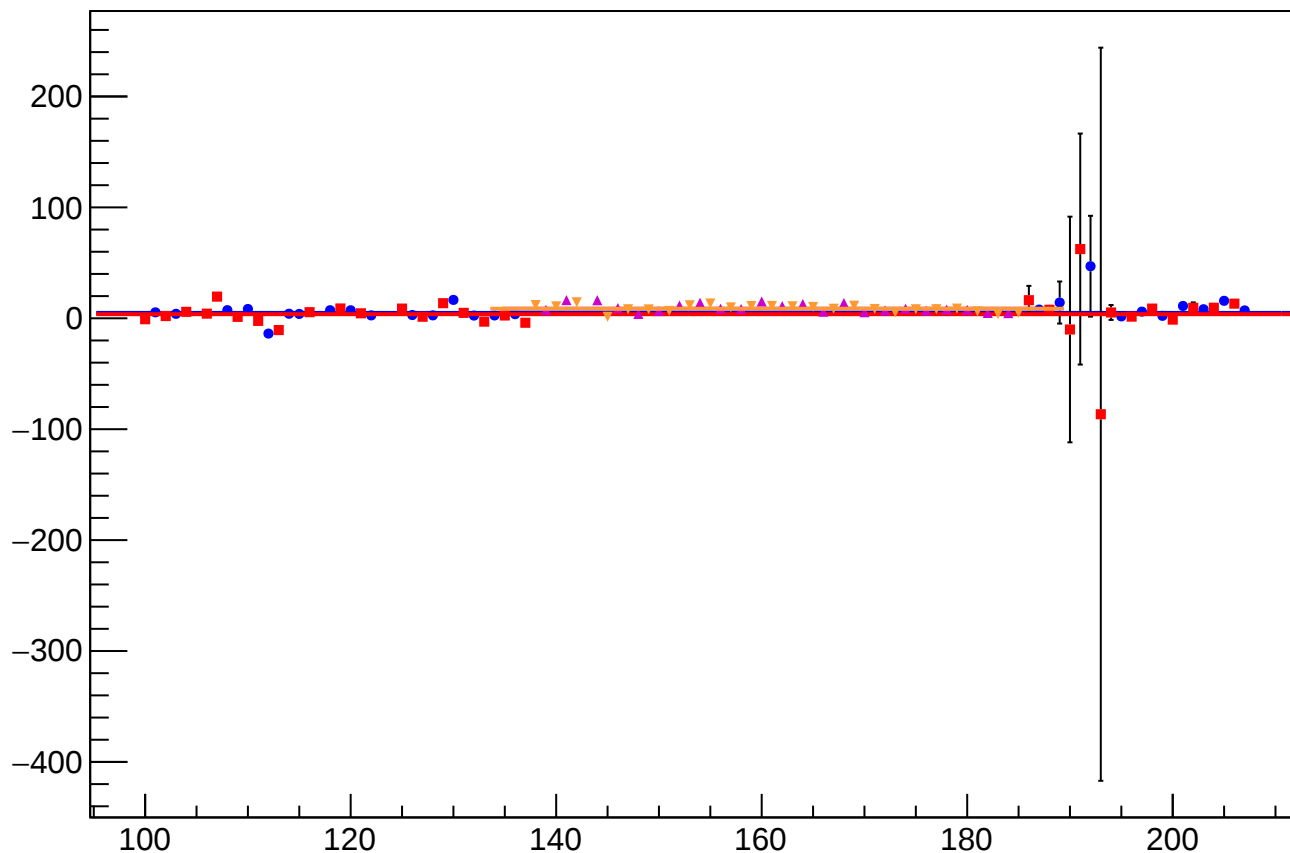
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.095 $\pm$ 0.170 χ^2 /NDF: 5417.7/49

All: 10.092 $\pm$ 0.119 χ^2 /NDF: 11621.2/102

- sign 10.090 $\pm$ 0.167 χ^2 /NDF: 6203.4/52

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.847 ± 0.250 χ^2/NDF : 558.9/25

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.697 ± 0.250 χ^2/NDF : 588.9/29

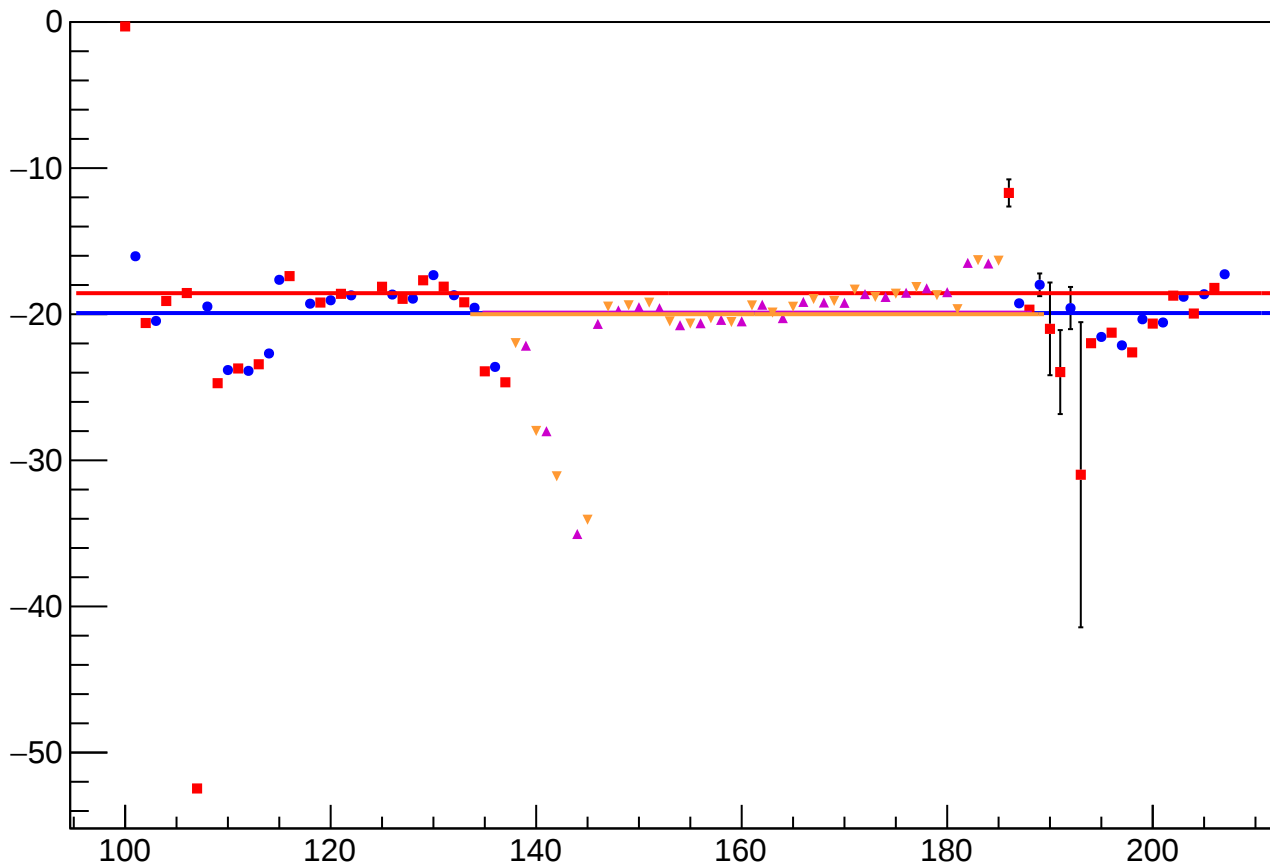
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.413 ± 0.140 χ^2/NDF : 958.0/49

All: 7.228 ± 0.099 χ^2/NDF : 2253.4/102

- sign 7.040 ± 0.141 χ^2/NDF : 1291.8/52

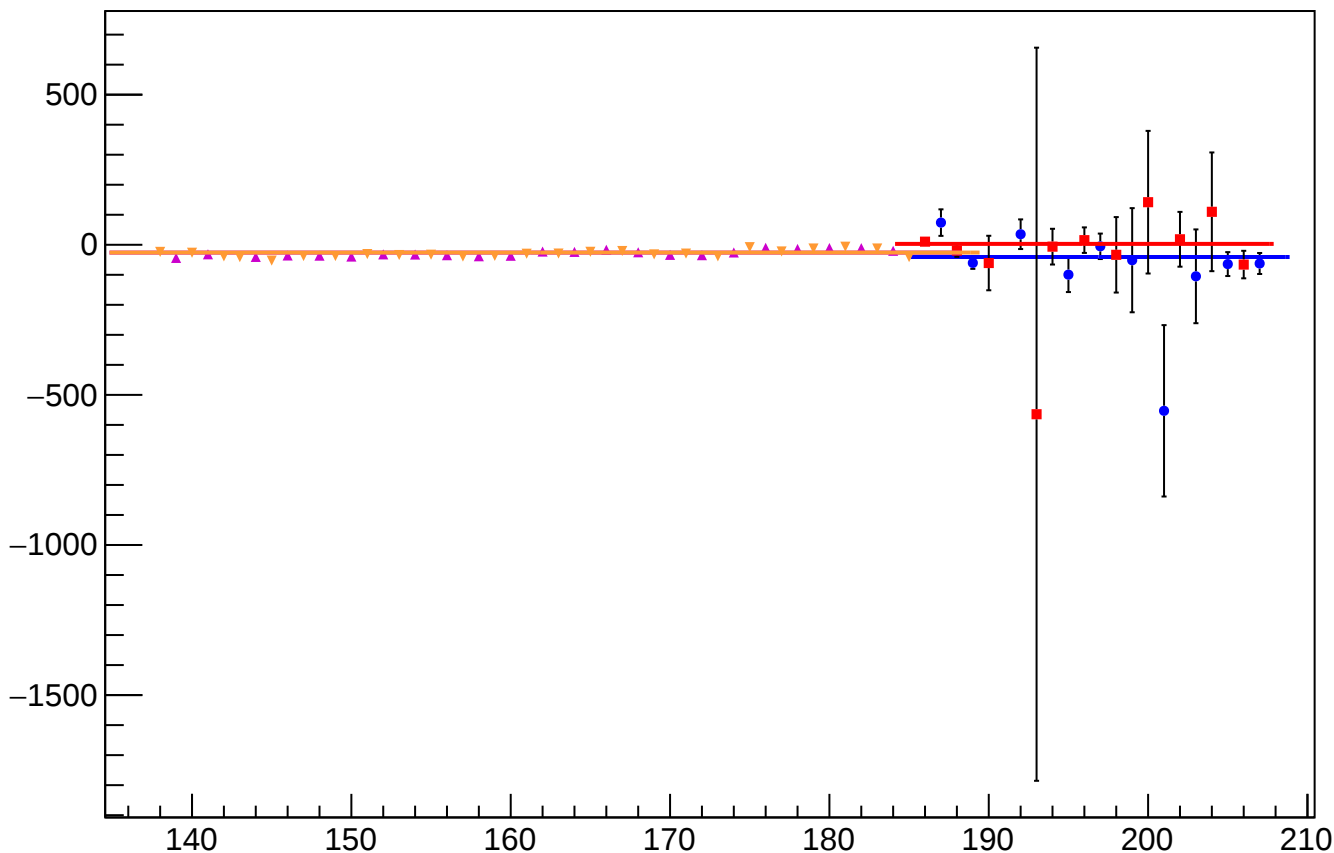
reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.920 ± 0.015 $\chi^2/\text{NDF}: 27088.2/25$
 Left Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 171944.6/23$
 Right Out: -18.559 ± 0.014 $\chi^2/\text{NDF}: 303724.1/29$
 Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.981 ± 0.007 $\chi^2/\text{NDF}: 199054.7/49$
 All: -19.775 ± 0.005 $\chi^2/\text{NDF}: 655362.1/102$
 - sign -19.576 ± 0.007 $\chi^2/\text{NDF}: 454591.6/52$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.706 ± 13.059 χ^2/NDF : 15.9/9

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 2.960 ± 8.120 χ^2/NDF : 5.6/10

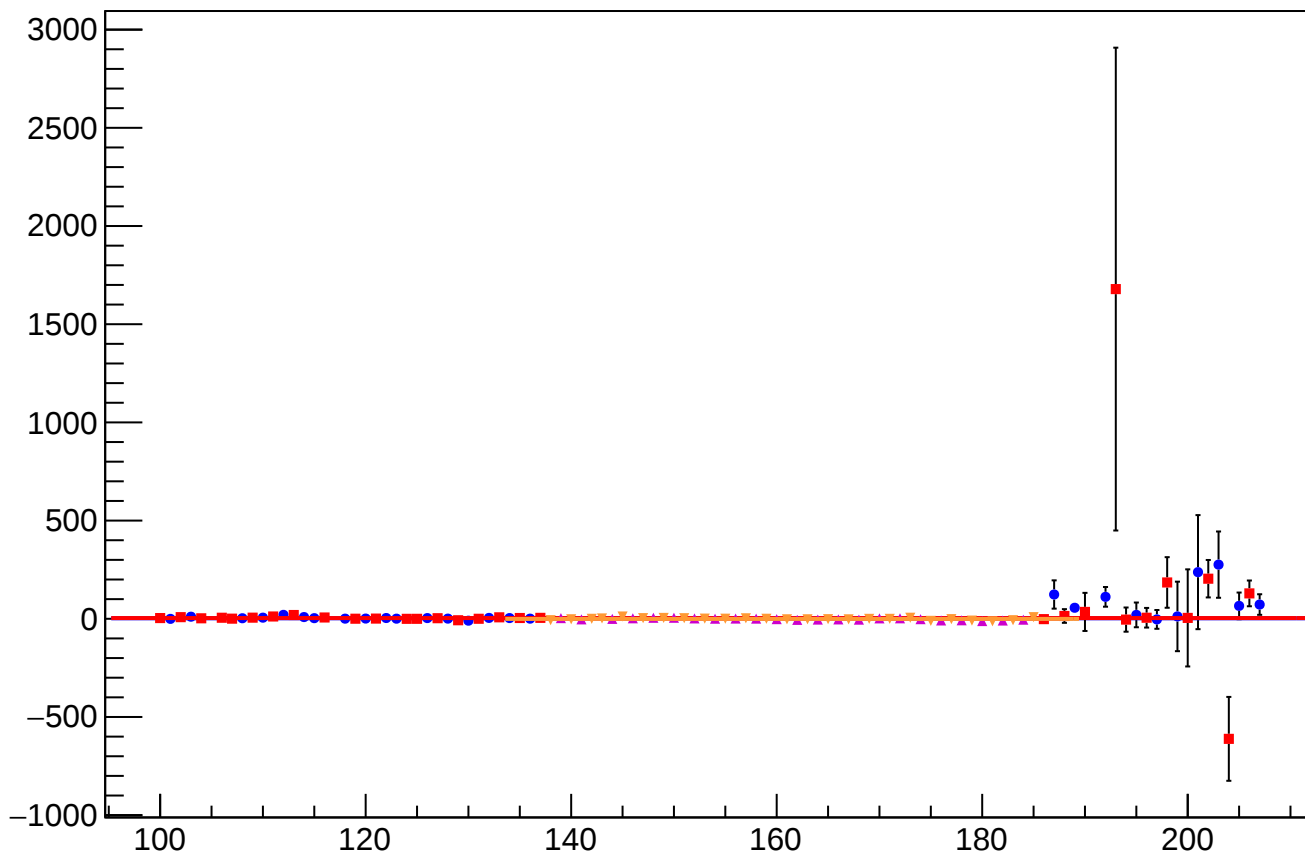
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.888 ± 0.192 χ^2/NDF : 4175.2/34

All: -25.960 ± 0.137 χ^2/NDF : 7473.3/68

- sign -26.035 ± 0.195 χ^2/NDF : 3297.9/33

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.477 $\pm$ 0.315 χ^2 /NDF: 313.6/26

Left Out: -0.654 $\pm$ 0.146 χ^2 /NDF:1320.8/24

Right Out: 3.716 $\pm$ 0.327 χ^2 /NDF: 289.7/29

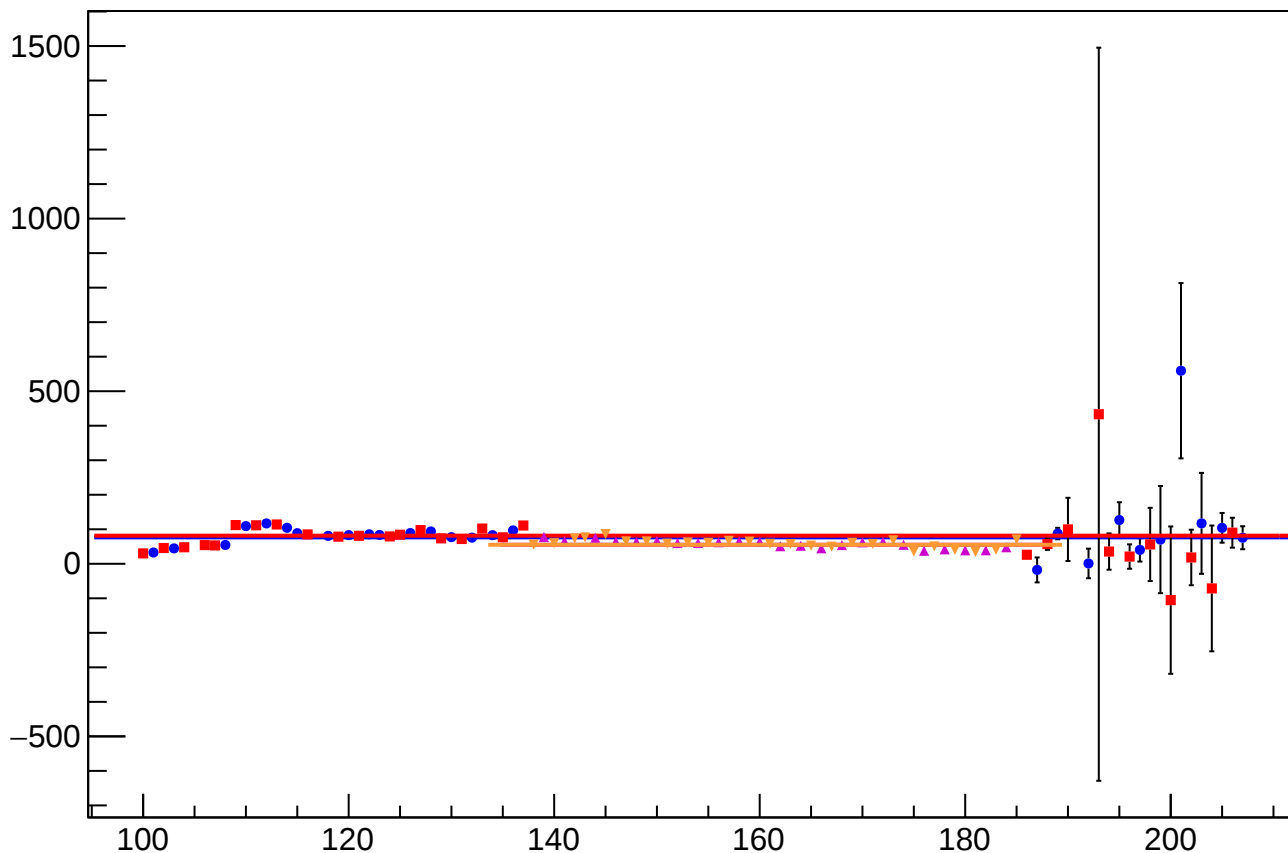
Left In: -0.863 $\pm$ 0.150 χ^2 /NDF:1066.5/22

+ sign -0.099 $\pm$ 0.133 χ^2 /NDF: 1715.8/51

All: -0.081 $\pm$ 0.095 χ^2 /NDF: 3234.3/104

- sign -0.062 $\pm$ 0.137 χ^2 /NDF: 1518.4/52

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.534 $\pm$ 0.576 χ^2 /NDF: 2269.3/26

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.490 $\pm$ 0.590 χ^2 /NDF: 1632.6/29

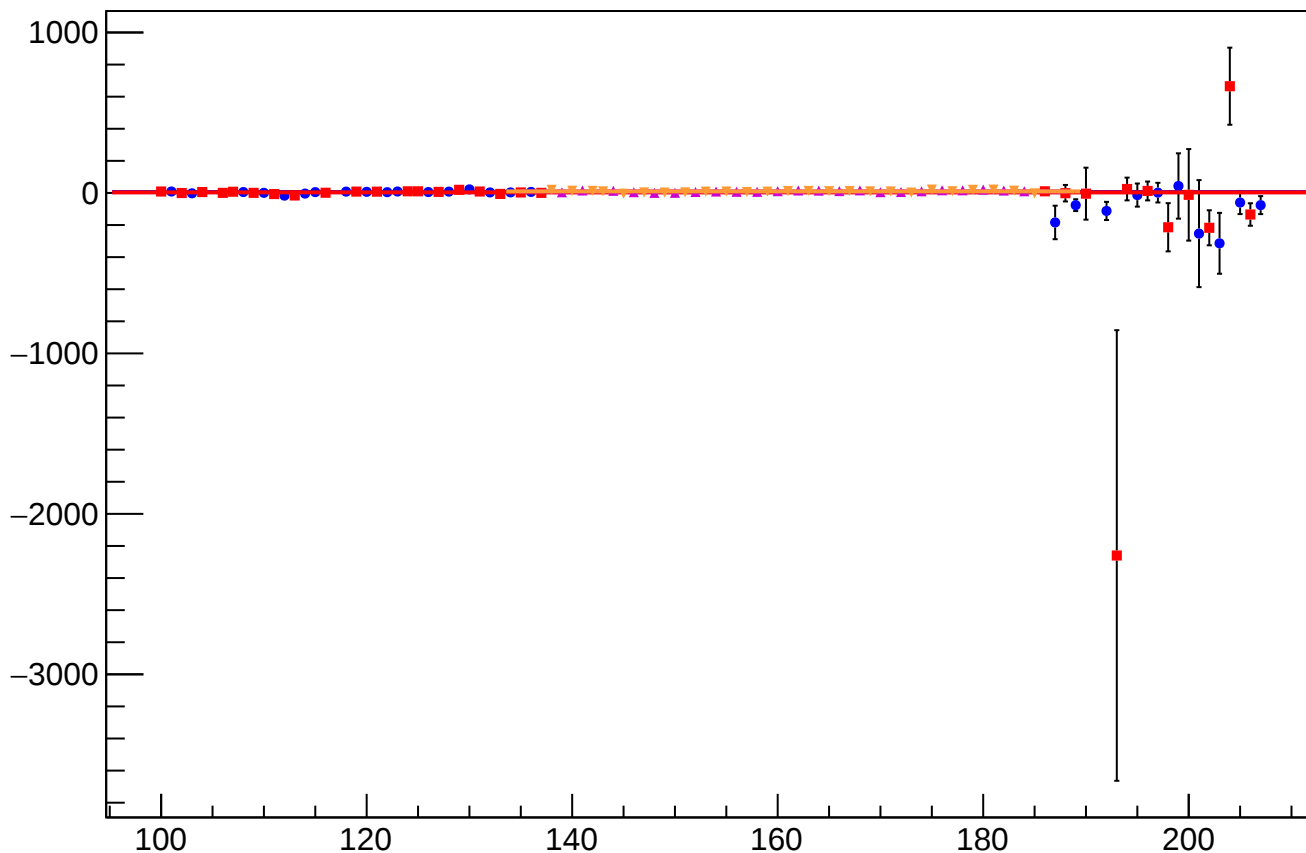
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8095.1/51

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15240.7/104

- sign 57.631 $\pm$ 0.184 χ^2 /NDF: 7143.2/52

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.406 $\pm$ 0.361 χ^2 /NDF: 404.7/26

Left Out: 9.737 $\pm$ 0.168 χ^2 /NDF:1450.2/24

Right Out: 3.579 $\pm$ 0.375 χ^2 /NDF: 442.1/29

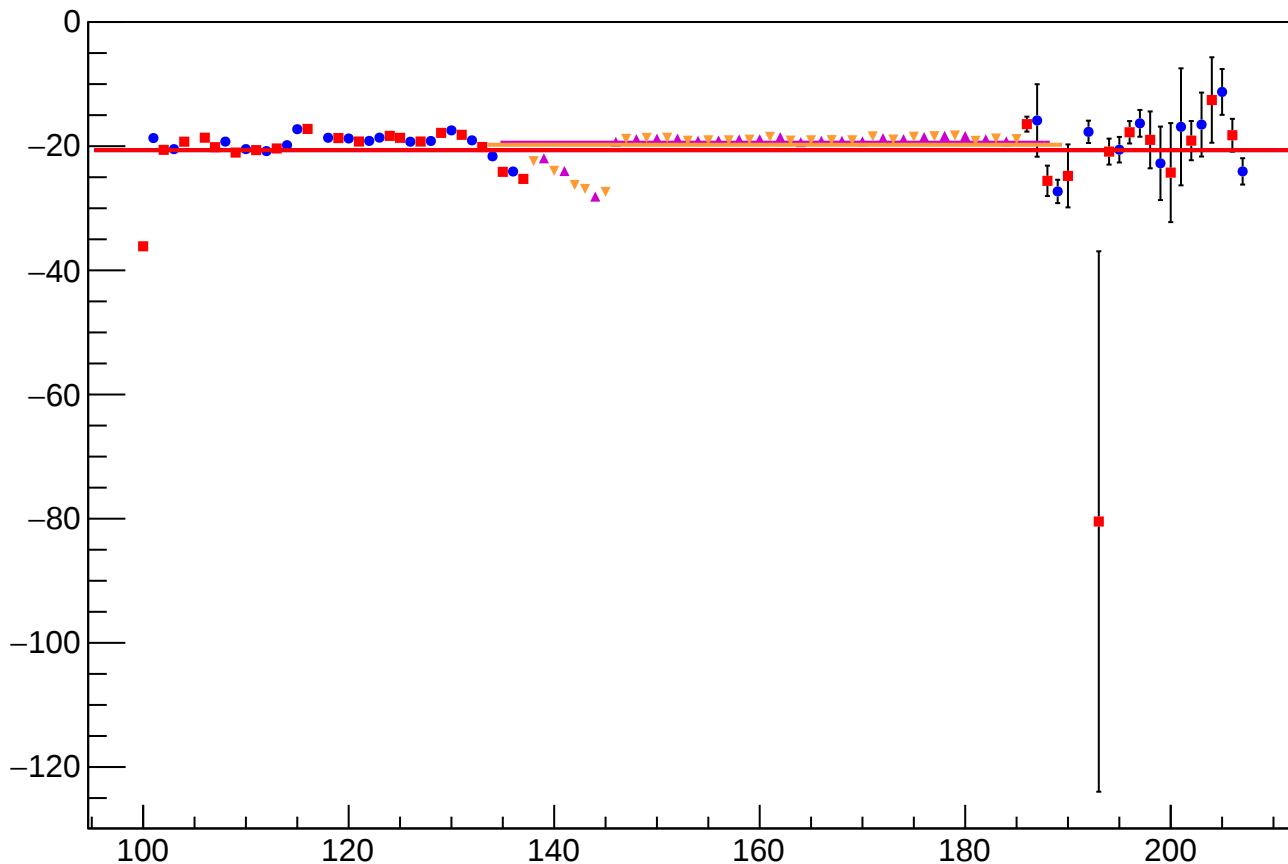
Left In: 9.803 $\pm$ 0.172 χ^2 /NDF:1158.7/22

+ sign 8.967 $\pm$ 0.152 χ^2 /NDF: 1973.3/51

All: 8.850 $\pm$ 0.109 χ^2 /NDF: 3802.7/104

- sign 8.727 $\pm$ 0.156 χ^2 /NDF: 1828.2/52

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 χ^2/NDF : 12454.0/26

Left Out: -19.767 ± 0.008 χ^2/NDF : 91617.3/24

Right Out: -20.638 ± 0.019 χ^2/NDF : 13809.9/29

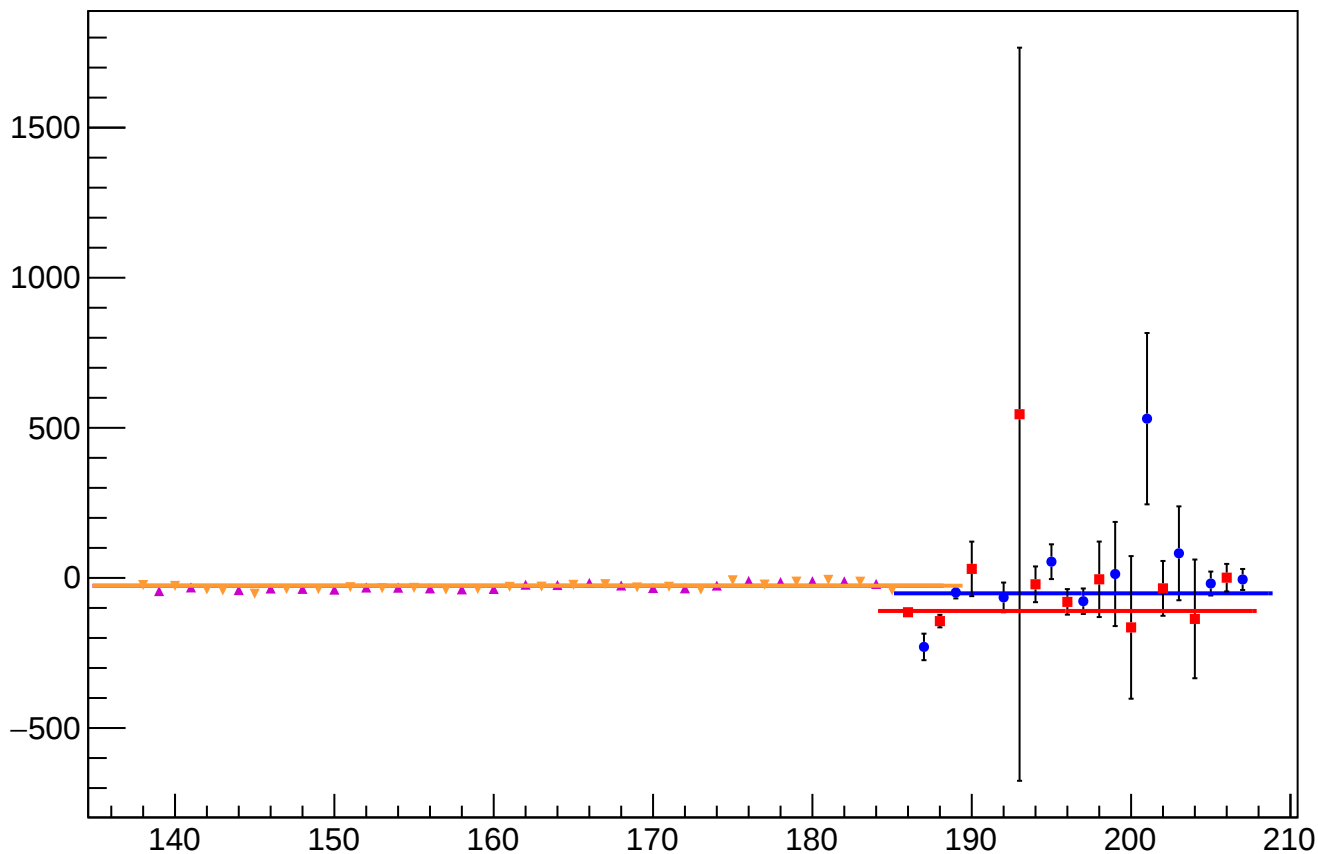
Left In: -19.435 ± 0.008 χ^2/NDF : 53170.9/22

+ sign -19.892 ± 0.007 χ^2/NDF : 105832.9/51

All: -19.751 ± 0.005 χ^2/NDF : 176840.7/104

- sign -19.607 ± 0.007 χ^2/NDF : 70255.3/52

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -51.338 ± 13.069 χ^2/NDF : 27.6/9

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -110.029 ± 8.126 χ^2/NDF : 15.5/10

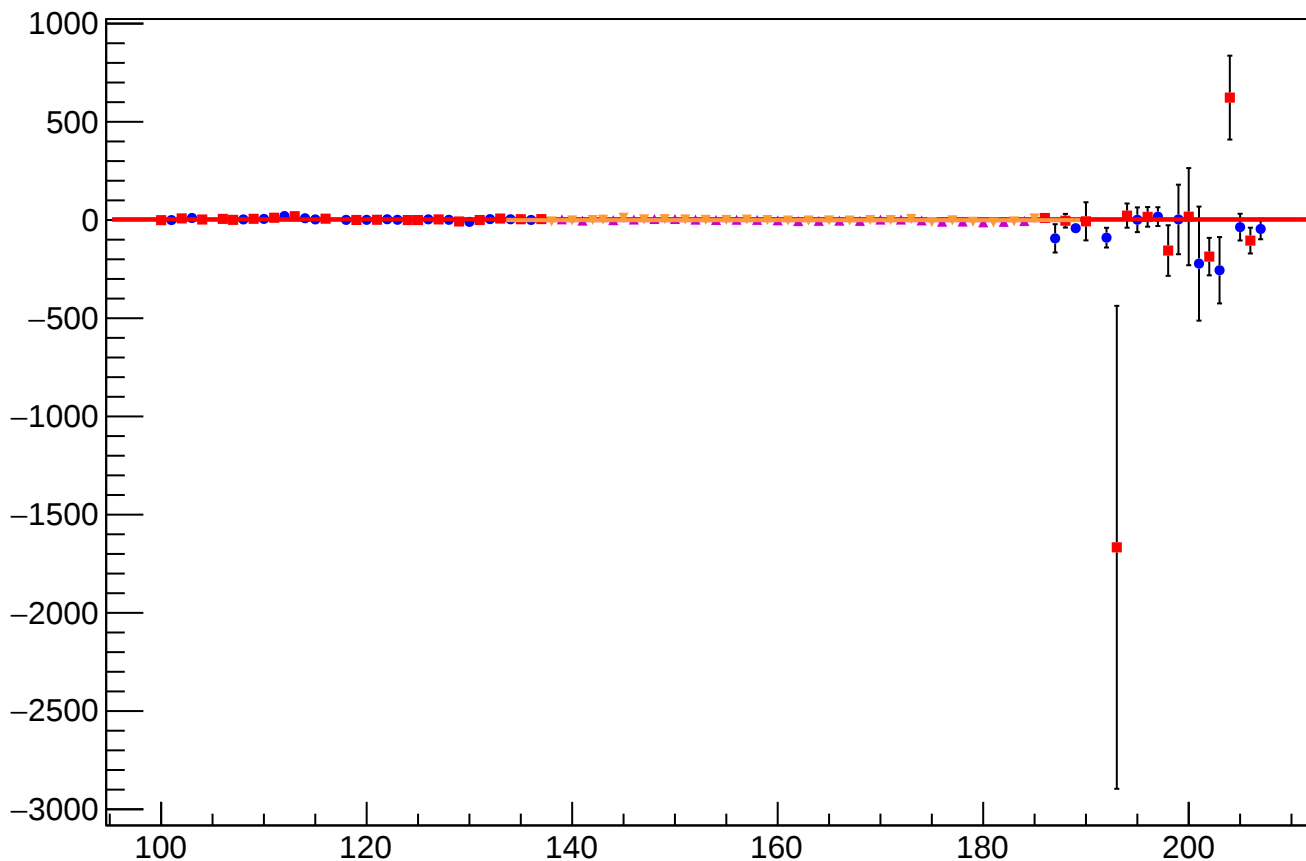
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.904 ± 0.192 χ^2/NDF : 4158.9/34

All: -25.998 ± 0.137 χ^2/NDF : 7528.4/68

- sign -26.094 ± 0.195 χ^2/NDF : 3369.0/33

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.438 $\pm$ 0.315 χ^2 /NDF: 305.5/26

Left Out: -0.596 $\pm$ 0.146 χ^2 /NDF: 1310.7/24

Right Out: 3.593 $\pm$ 0.318 χ^2 /NDF: 299.1/29

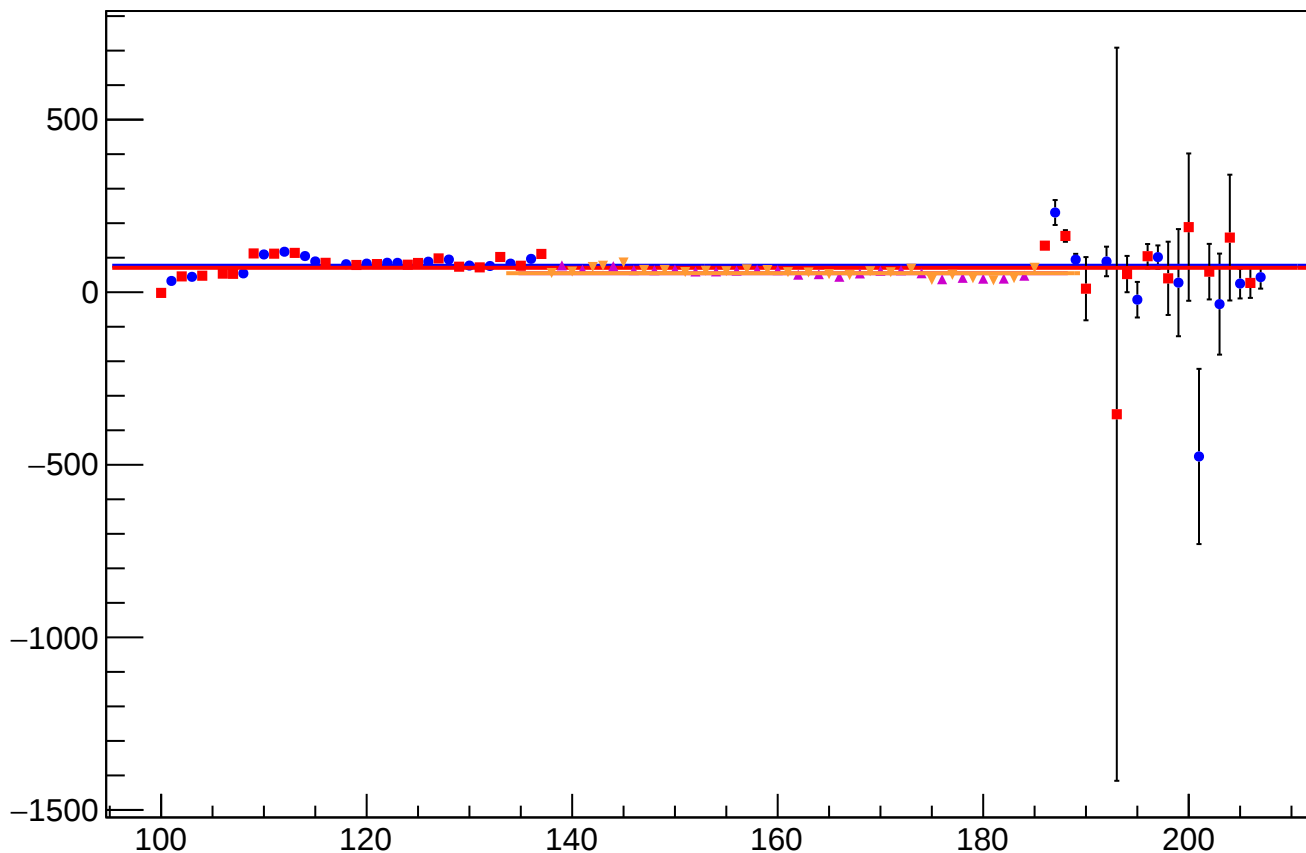
Left In: -0.795 $\pm$ 0.151 χ^2 /NDF: 1106.3/22

+ sign -0.057 $\pm$ 0.133 χ^2 /NDF: 1692.5/51

All: -0.025 $\pm$ 0.095 χ^2 /NDF: 3253.5/104

- sign 0.009 $\pm$ 0.136 χ^2 /NDF: 1560.9/52

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.708 $\pm$ 0.576 χ^2 /NDF: 2296.3/26

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.749 $\pm$ 0.549 χ^2 /NDF: 4492.4/29

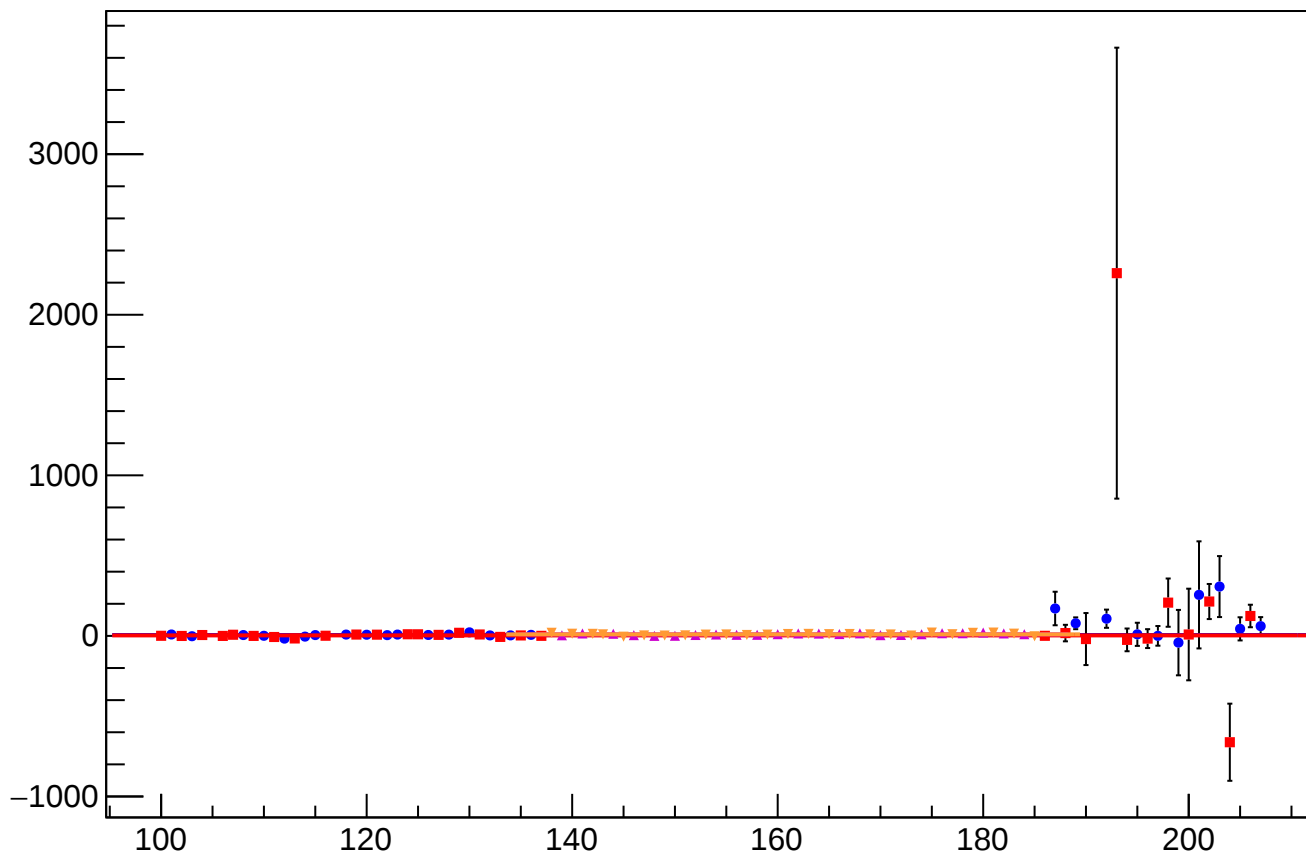
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.259 $\pm$ 0.182 χ^2 /NDF: 8120.4/51

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 17004.3/104

- sign 56.828 $\pm$ 0.183 χ^2 /NDF: 8881.1/52

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.446 ± 0.361 χ^2/NDF : 398.3/26

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.283 ± 0.365 χ^2/NDF : 444.2/29

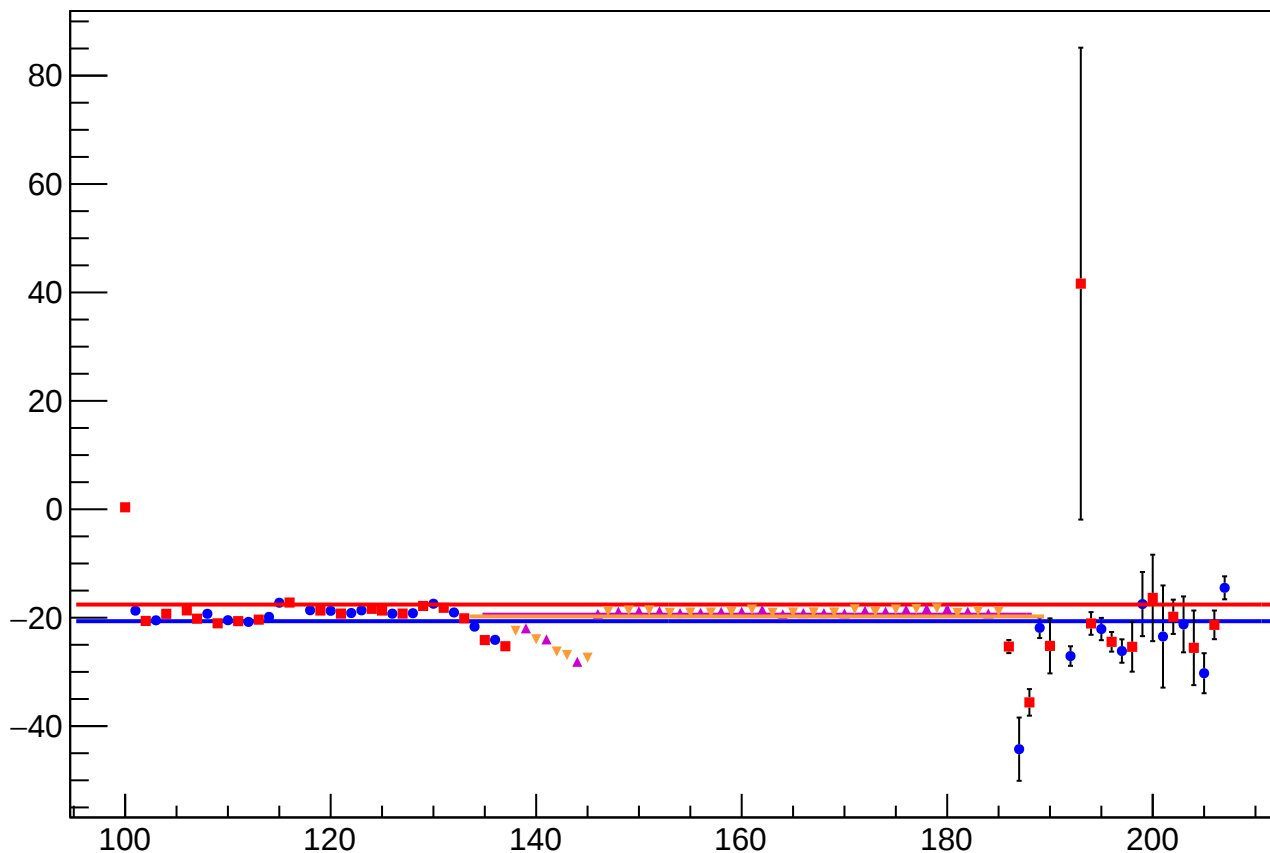
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.924 ± 0.152 χ^2/NDF : 1952.5/51

All: 8.751 ± 0.109 χ^2/NDF : 3845.9/104

- sign 8.570 ± 0.155 χ^2/NDF : 1890.8/52

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.646 ± 0.019 χ^2/NDF : 12514.8/26

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.575 ± 0.018 χ^2/NDF : 178441.6/29

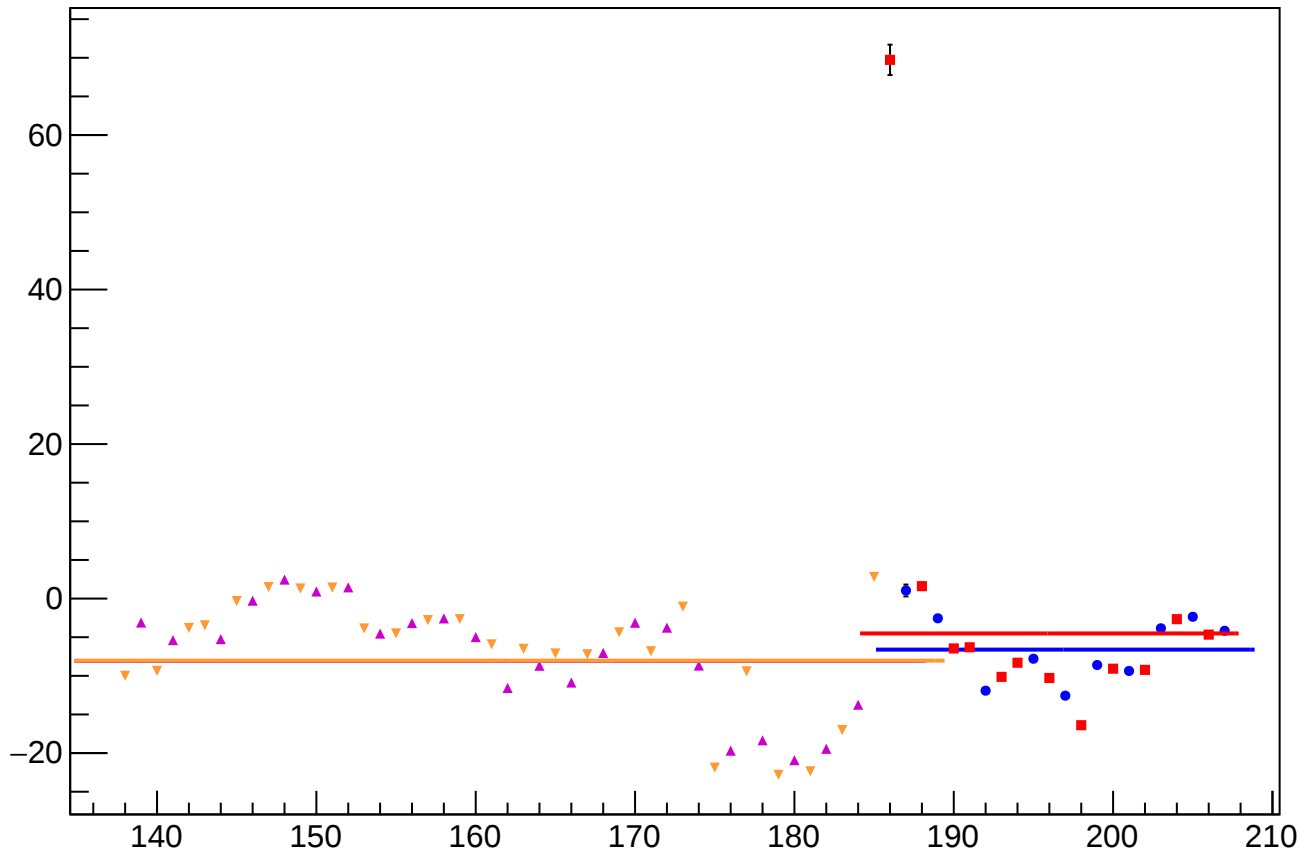
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105763.6/51

All: -19.518 ± 0.005 χ^2/NDF : 351728.6/104

- sign -19.140 ± 0.007 χ^2/NDF : 240553.8/52

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -6.607 ± 0.128 χ^2/NDF : 957.2/9

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -4.511 ± 0.108 χ^2/NDF : 3924.1/11

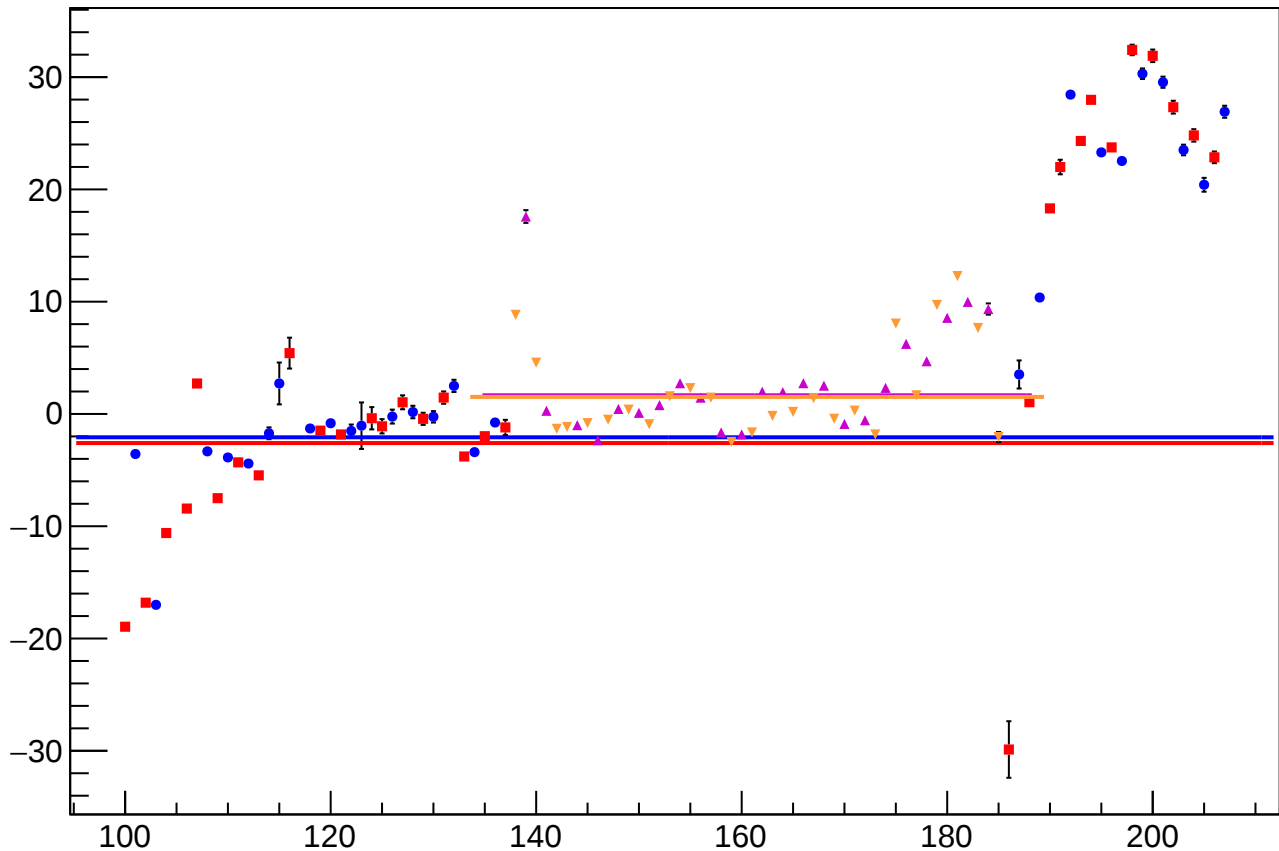
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -7.702 ± 0.062 χ^2/NDF : 13621.1/34

All: -7.330 ± 0.043 χ^2/NDF : 28915.3/69

- sign -6.979 ± 0.060 χ^2/NDF : 15223.4/34

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -2.079 ± 0.052 $\chi^2/\text{NDF}: 43209.5/26$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -2.591 ± 0.054 $\chi^2/\text{NDF}: 53658.6/30$

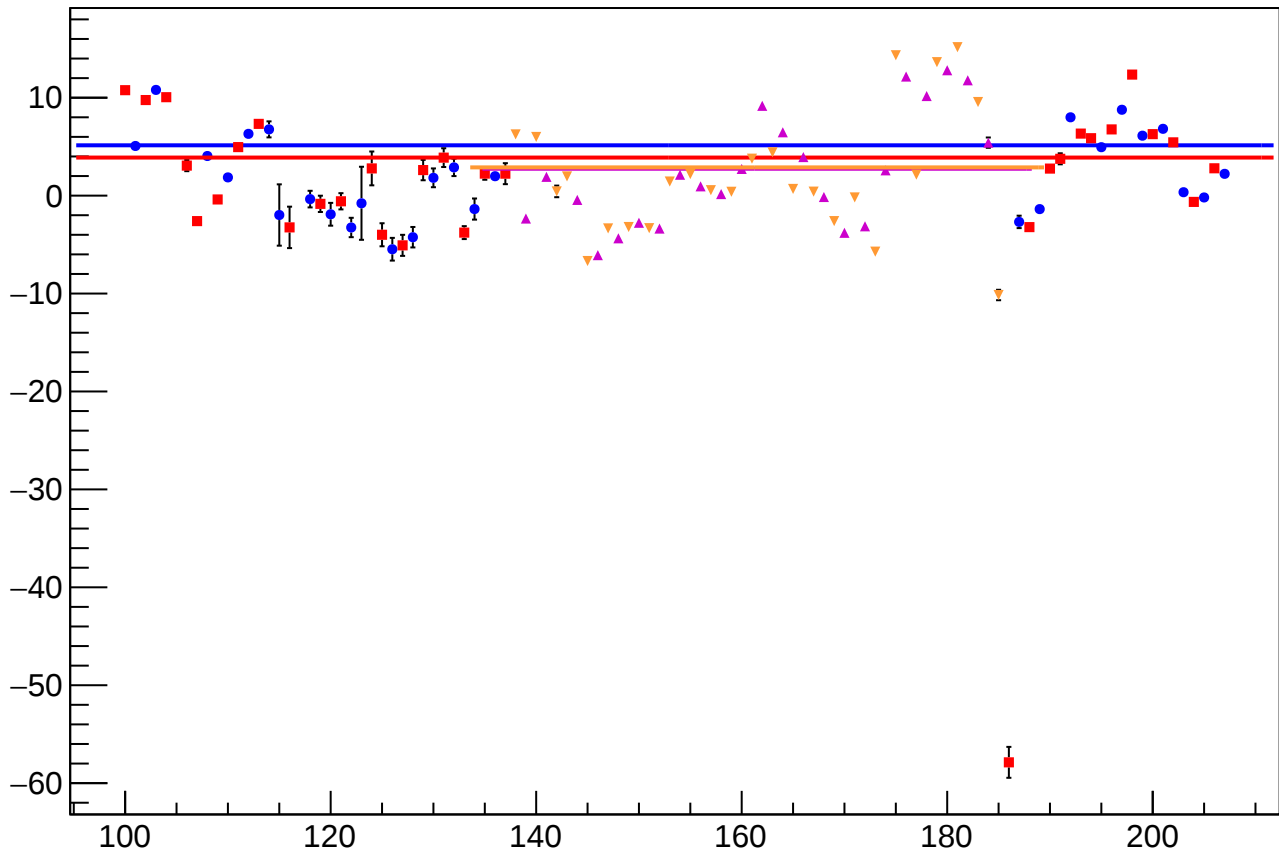
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign -0.374 ± 0.037 $\chi^2/\text{NDF}: 50360.0/51$

All: -0.467 ± 0.027 $\chi^2/\text{NDF}: 111029.6/105$

- sign -0.568 ± 0.039 $\chi^2/\text{NDF}: 60656.7/53$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.139 ± 0.071 $\chi^2/\text{NDF}: 2649.0/26$

Left Out: 2.884 ± 0.070 $\chi^2/\text{NDF}: 8893.2/24$

Right Out: 3.888 ± 0.066 $\chi^2/\text{NDF}: 7787.9/30$

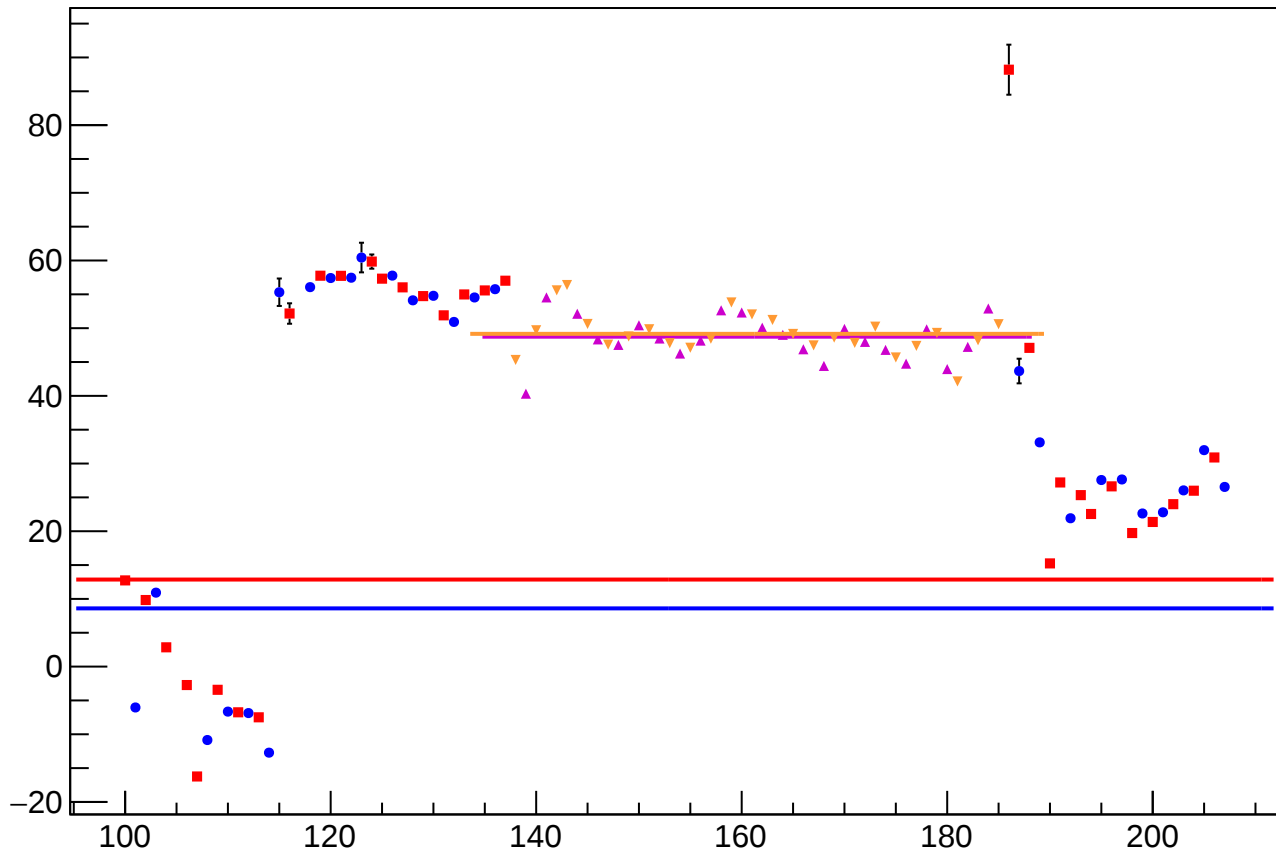
Left In: 2.745 ± 0.071 $\chi^2/\text{NDF}: 7183.1/22$

+ sign 3.998 ± 0.050 $\chi^2/\text{NDF}: 12051.1/51$

All: 3.670 ± 0.035 $\chi^2/\text{NDF}: 27243.5/105$

- sign 3.358 ± 0.049 $\chi^2/\text{NDF}: 15108.3/53$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 8.600 ± 0.061 $\chi^2/\text{NDF}: 132459.1/26$

Left Out: 49.163 ± 0.062 $\chi^2/\text{NDF}: 2259.9/24$

Right Out: 12.861 ± 0.064 $\chi^2/\text{NDF}: 135566.9/30$

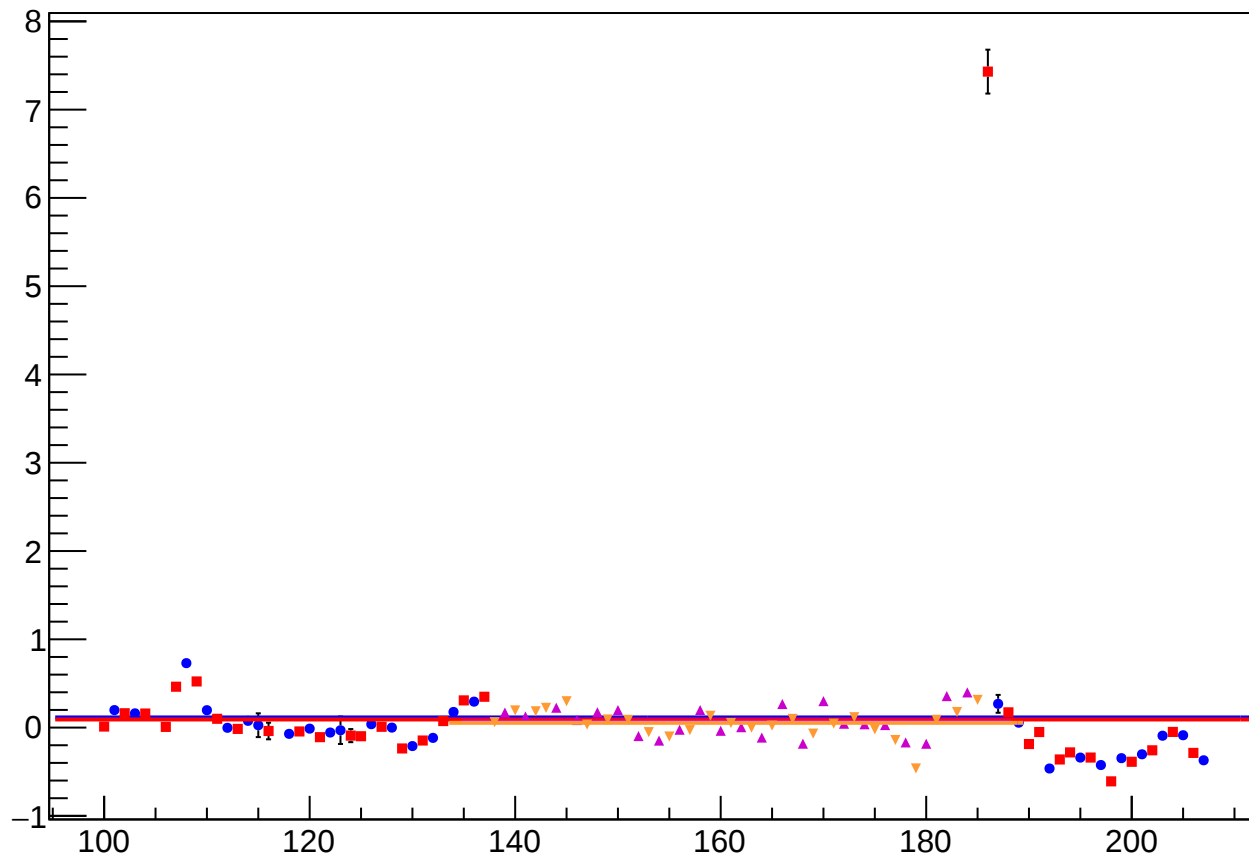
Left In: 48.744 ± 0.064 $\chi^2/\text{NDF}: 2097.7/22$

+ sign 28.602 ± 0.043 $\chi^2/\text{NDF}: 353515.2/51$

All: 29.696 ± 0.031 $\chi^2/\text{NDF}: 650112.9/105$

- sign 30.885 ± 0.045 $\chi^2/\text{NDF}: 295269.1/53$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.115+/-0.002 χ^2/NDF : 11506.8/26

Left Out: 0.054+/-0.003 χ^2/NDF : 2379.8/24

Right Out: 0.092+/-0.002 χ^2/NDF : 10932.8/30

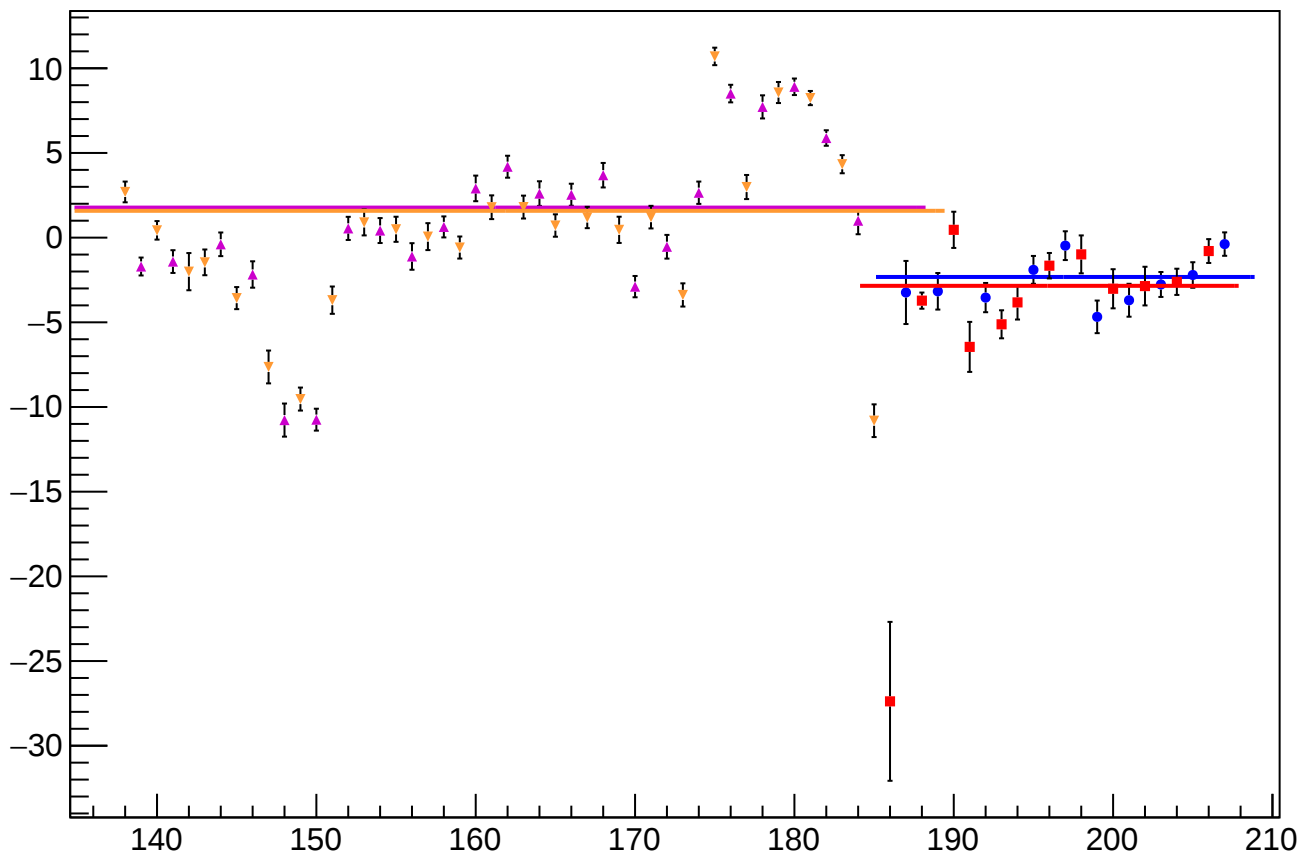
Left In: 0.070+/-0.003 χ^2/NDF : 3233.8/22

+ sign 0.088+/-0.002 χ^2/NDF : 14147.1/51

All: 0.086+/-0.001 χ^2/NDF : 28351.4/105

- sign 0.083+/-0.002 χ^2/NDF : 14200.6/53

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.322 ± 0.275 χ^2/NDF : 24.1/9

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -2.846 ± 0.250 χ^2/NDF : 68.6/11

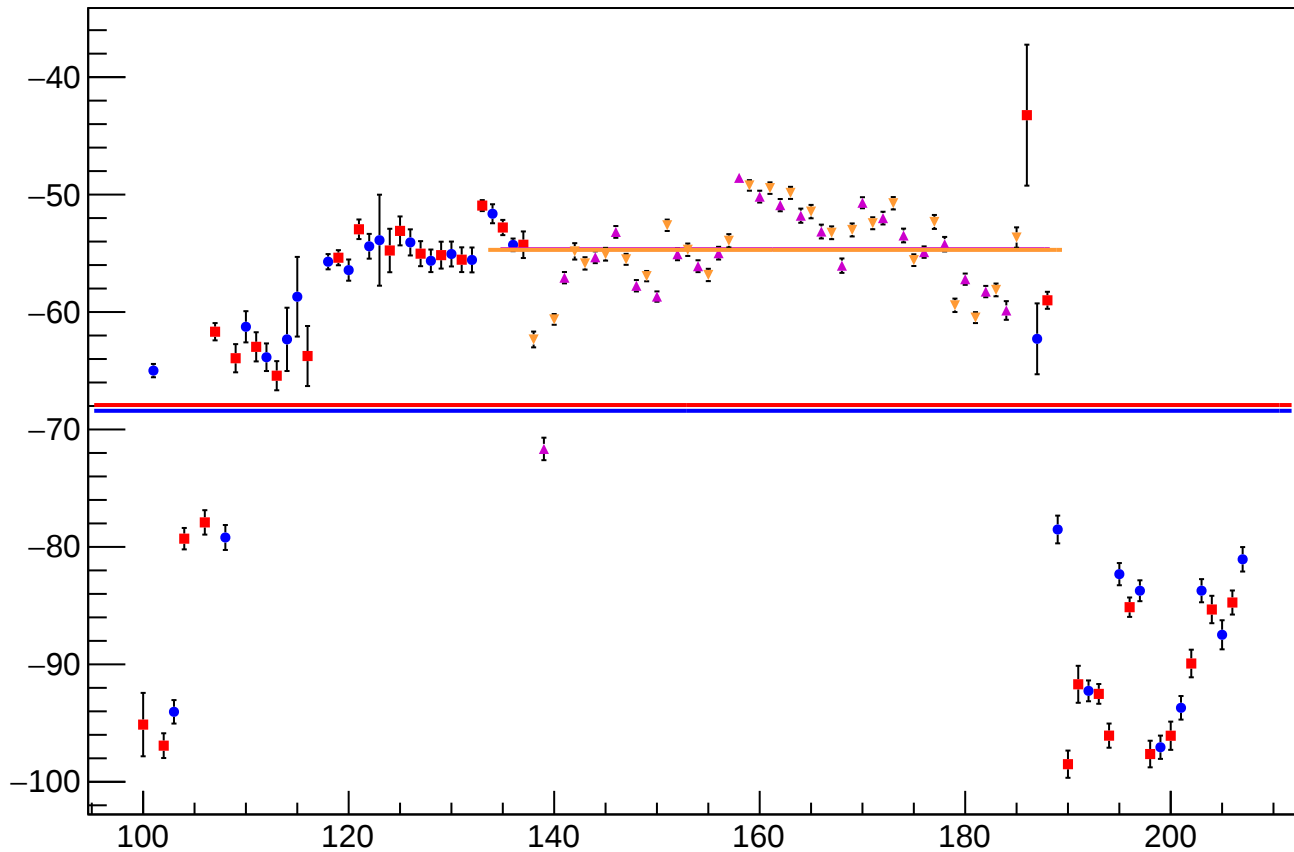
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.848 ± 0.120 χ^2/NDF : 1646.2/34

All: 0.788 ± 0.084 χ^2/NDF : 3276.6/69

- sign 0.729 ± 0.119 χ^2/NDF : 1629.9/34

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -68.410 ± 0.186 χ^2/NDF : 6780.5/26

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -67.919 ± 0.174 χ^2/NDF : 9729.6/30

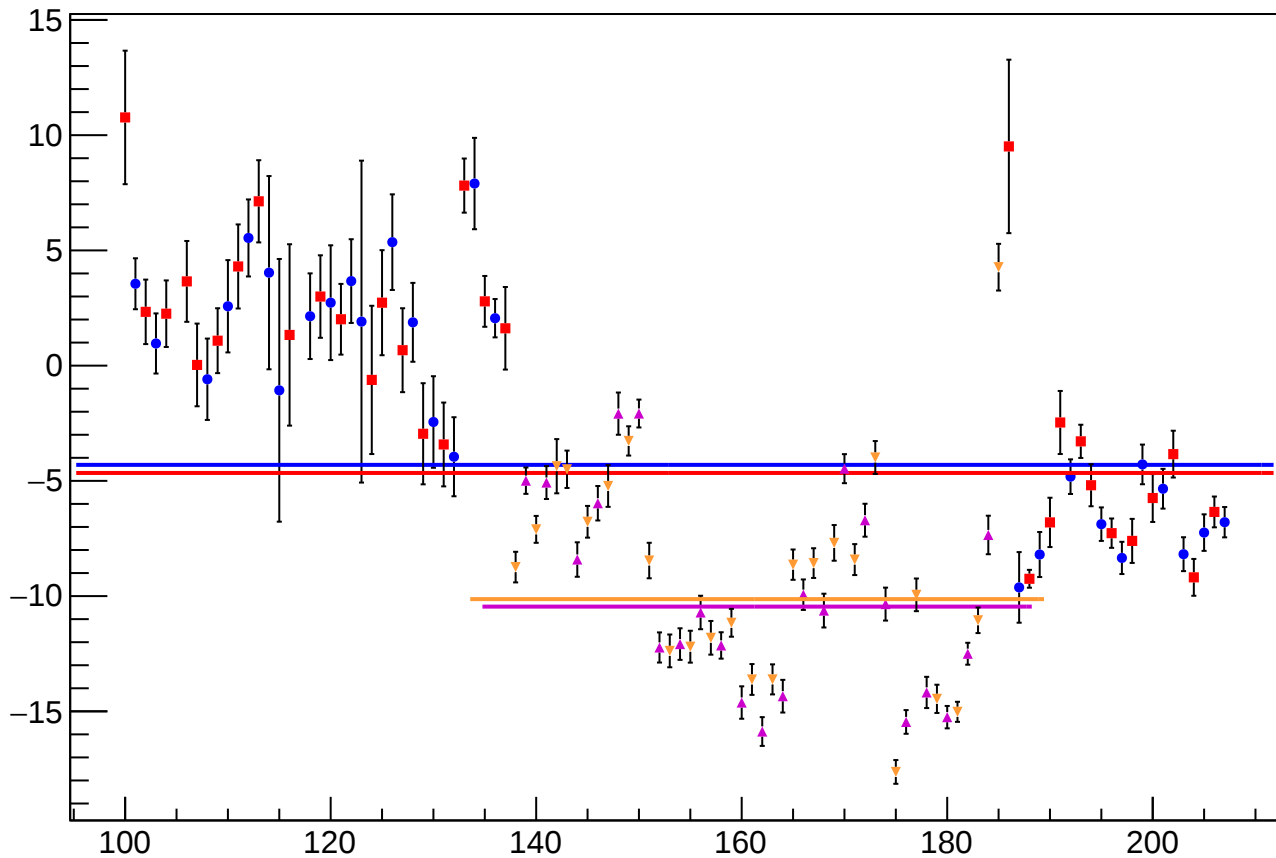
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -58.044 ± 0.092 χ^2/NDF : 11999.6/51

All: -58.233 ± 0.065 χ^2/NDF : 26972.1/105

- sign -58.426 ± 0.093 χ^2/NDF : 14964.0/53

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -4.305 ± 0.215 $\chi^2/\text{NDF}: 425.8/26$

Left Out: -10.131 ± 0.133 $\chi^2/\text{NDF}: 1055.4/24$

Right Out: -4.657 ± 0.192 $\chi^2/\text{NDF}: 653.6/30$

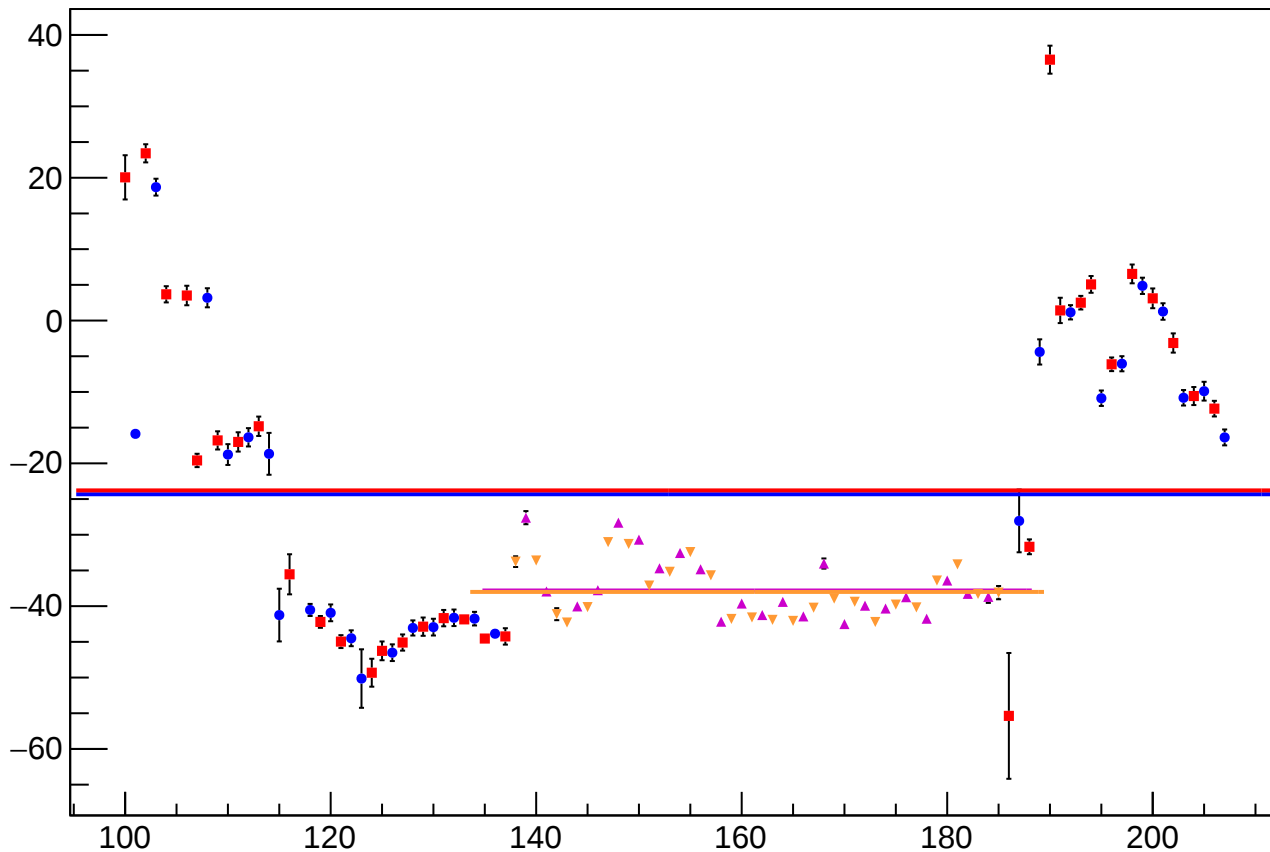
Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

+ sign -8.519 ± 0.113 $\chi^2/\text{NDF}: 2013.7/51$

All: -8.531 ± 0.079 $\chi^2/\text{NDF}: 4282.1/105$

- sign -8.543 ± 0.110 $\chi^2/\text{NDF}: 2268.4/53$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -24.328 ± 0.213 χ^2/NDF : 8404.8/26

Left Out: -38.006 ± 0.119 χ^2/NDF : 946.0/24

Right Out: -23.788 ± 0.203 χ^2/NDF : 11601.5/30

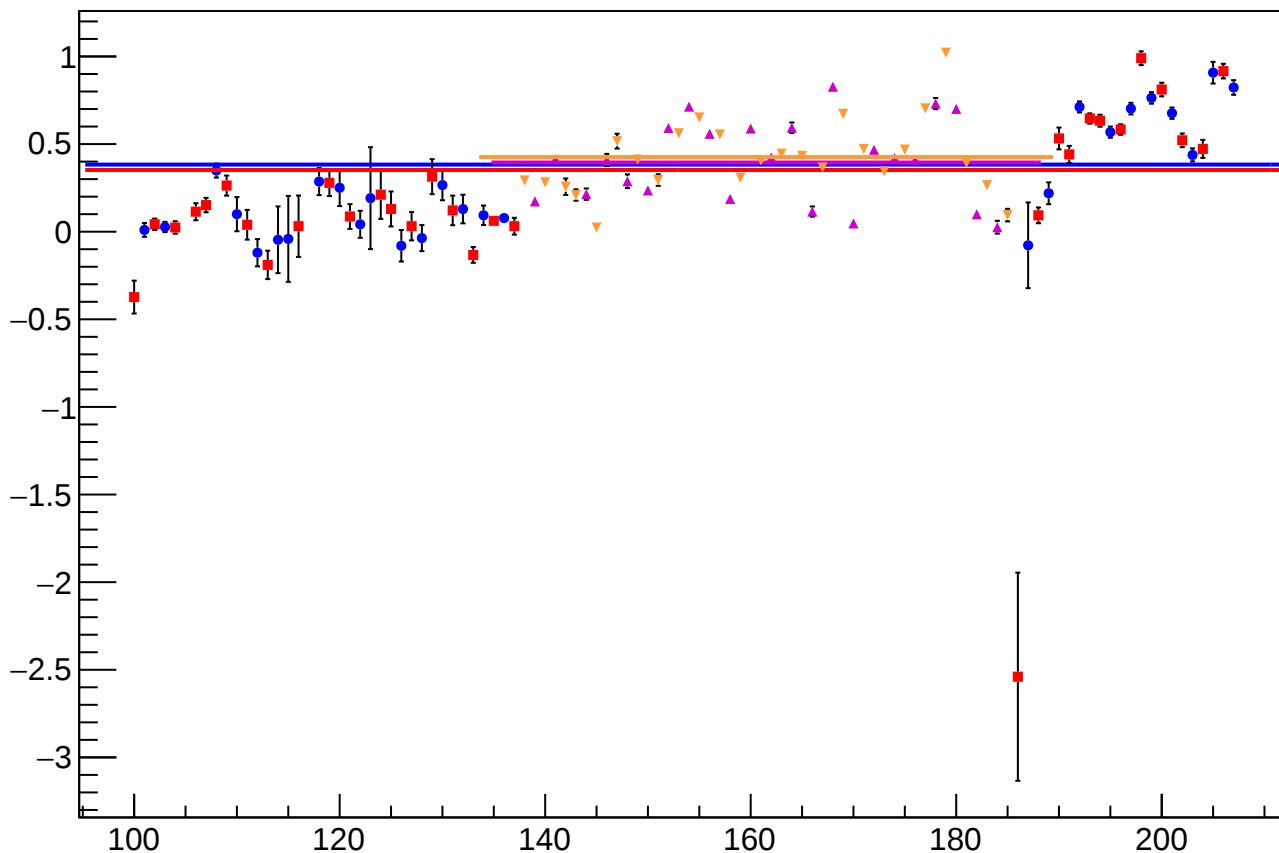
Left In: -37.809 ± 0.122 χ^2/NDF : 1039.9/22

+ sign -34.755 ± 0.104 χ^2/NDF : 12505.4/51

All: -34.417 ± 0.074 χ^2/NDF : 28671.6/105

- sign -34.072 ± 0.105 χ^2/NDF : 16144.7/53

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.383 $\pm$ 0.009 χ^2 /NDF: 1250.7/26

Left Out: 0.426 $\pm$ 0.005 χ^2 /NDF:1303.7/24

Right Out: 0.352 $\pm$ 0.008 χ^2 /NDF: 1574.8/30

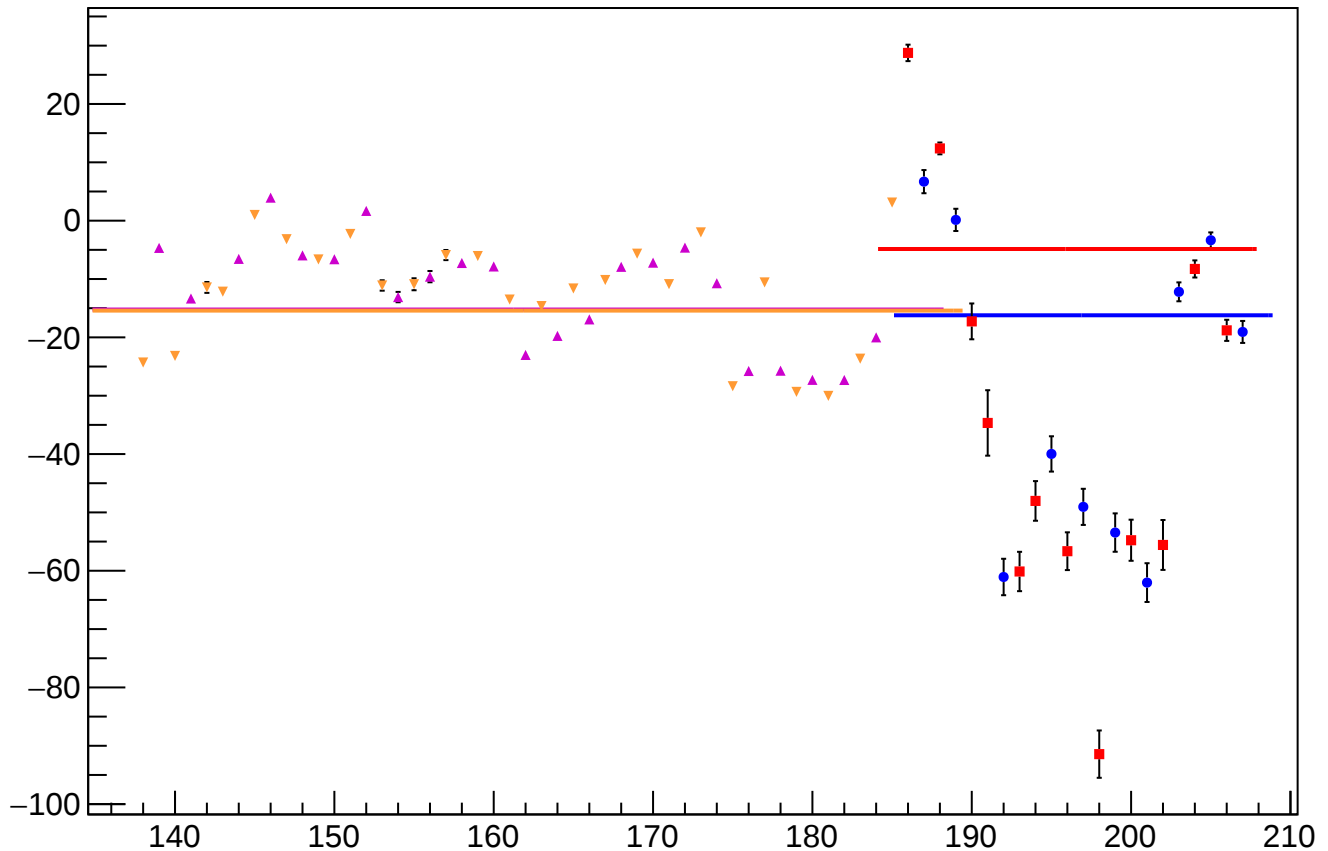
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.414 $\pm$ 0.005 χ^2 /NDF: 2571.4/51

All: 0.398 $\pm$ 0.003 χ^2 /NDF: 5986.4/105

- sign 0.383 $\pm$ 0.005 χ^2 /NDF: 3391.0/53

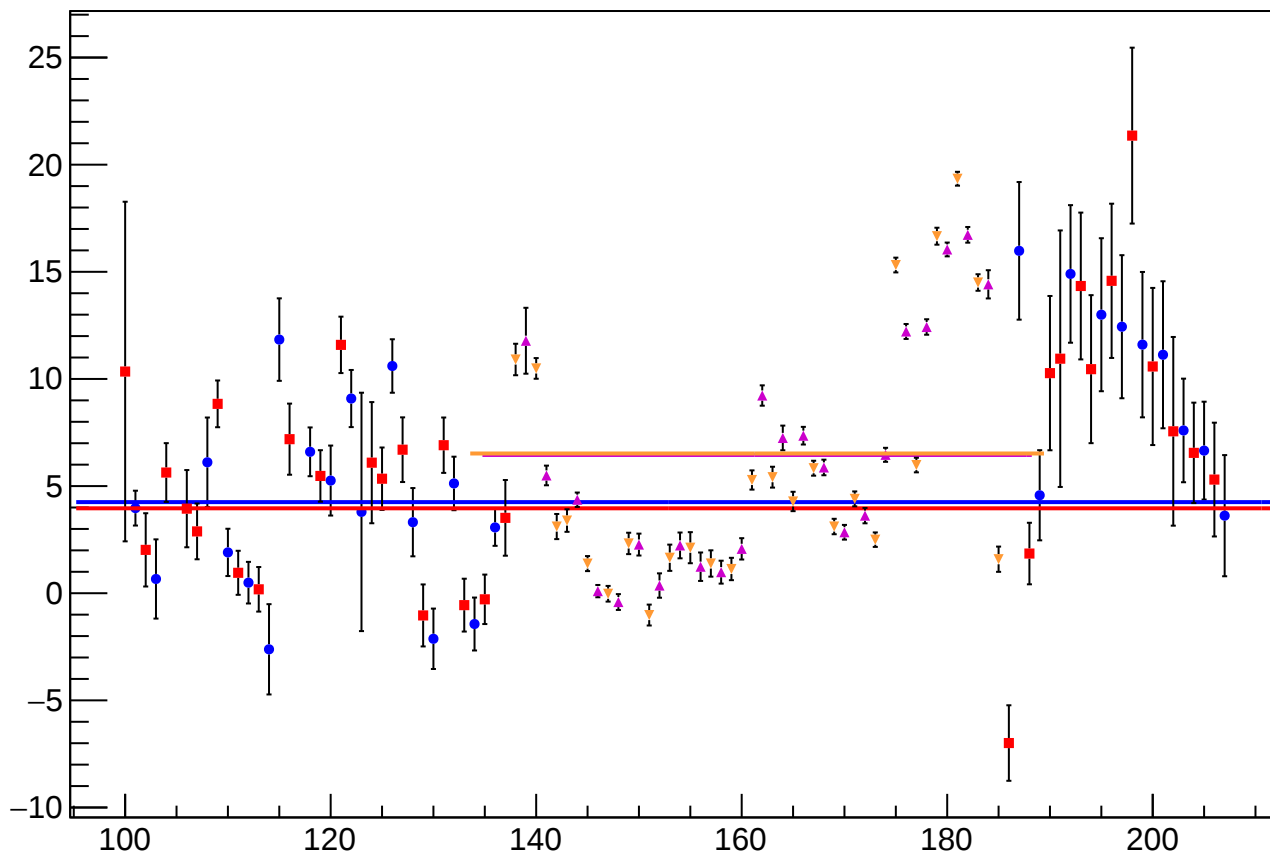
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -16.216 ± 0.667 $\chi^2/\text{NDF}: 1006.2/9$
 Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$
 Right Out: -4.855 ± 0.592 $\chi^2/\text{NDF}: 2451.6/11$
 Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.432 ± 0.104 $\chi^2/\text{NDF}: 11516.7/34$
 All: -15.170 ± 0.074 $\chi^2/\text{NDF}: 22935.7/69$
 - sign -14.903 ± 0.105 $\chi^2/\text{NDF}: 11406.2/34$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.252 ± 0.294 χ^2/NDF : 186.6/26

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.962 ± 0.293 χ^2/NDF : 223.7/30

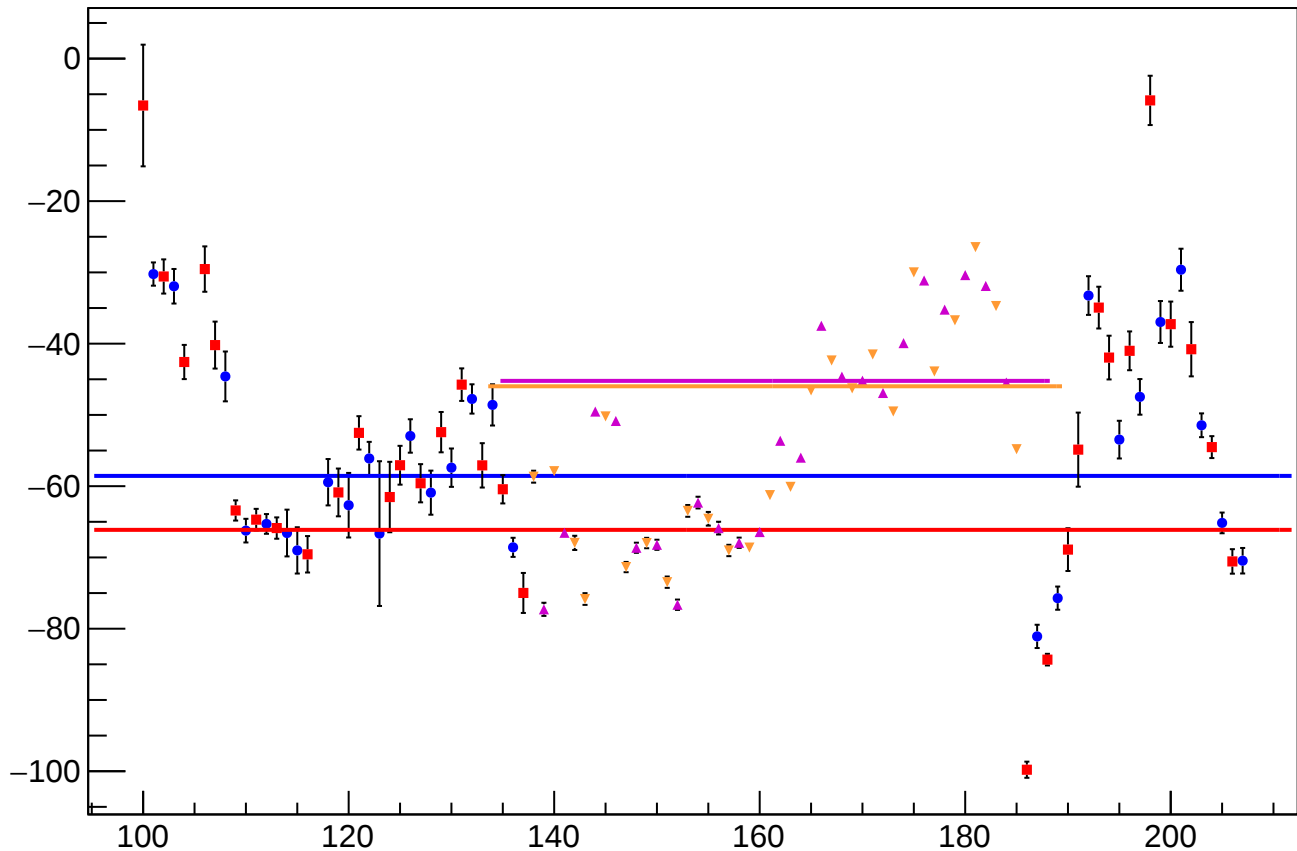
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.344 ± 0.082 χ^2/NDF : 5226.8/51

All: 6.299 ± 0.058 χ^2/NDF : 9465.6/105

- sign 6.254 ± 0.083 χ^2/NDF : 4238.2/53

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -58.558 ± 0.410 χ^2/NDF : 1248.6/26

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -66.129 ± 0.371 χ^2/NDF : 2890.0/30

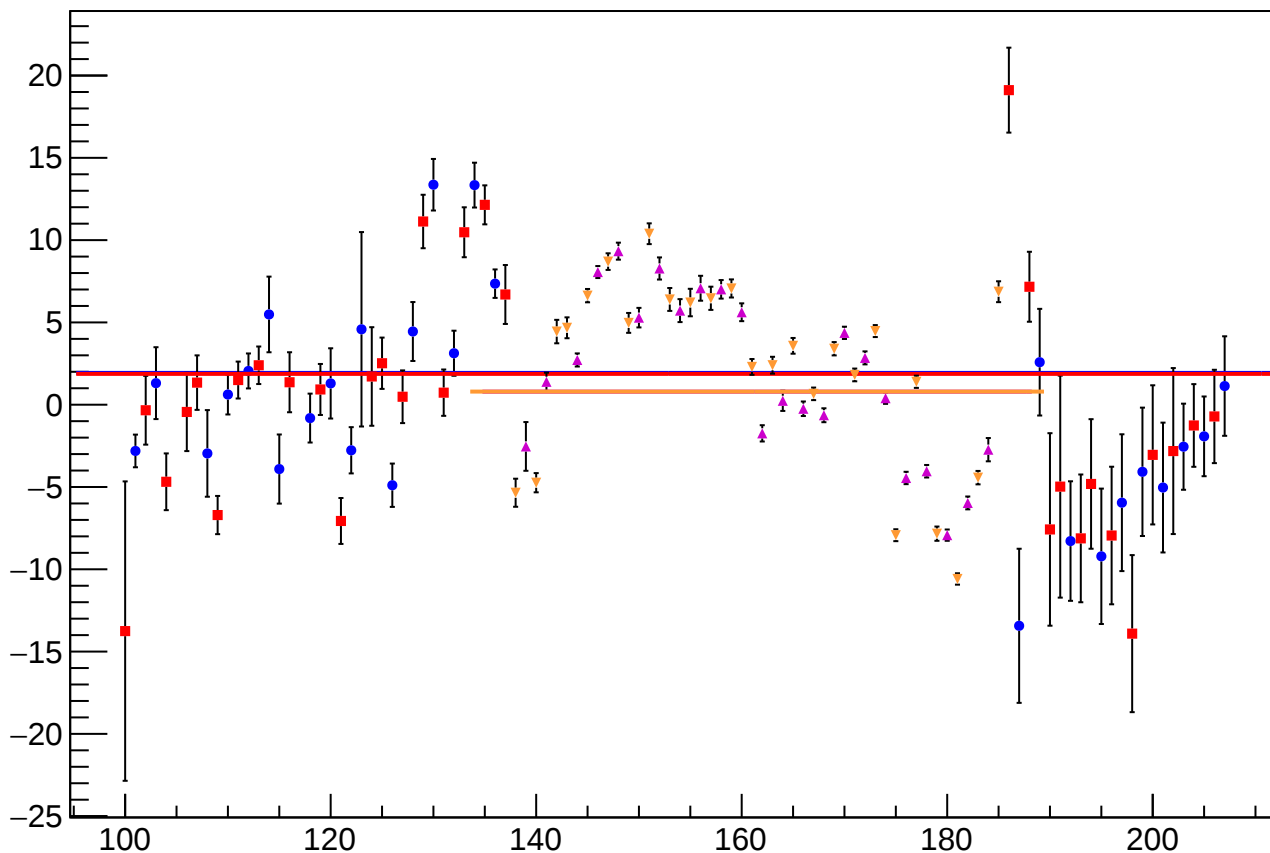
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.773 ± 0.103 χ^2/NDF : 19489.4/51

All: -46.803 ± 0.073 χ^2/NDF : 40911.4/105

- sign -46.833 ± 0.103 χ^2/NDF : 21421.9/53

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 1.932 ± 0.330 χ^2/NDF : 285.7/26

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 1.873 ± 0.334 χ^2/NDF : 349.7/30

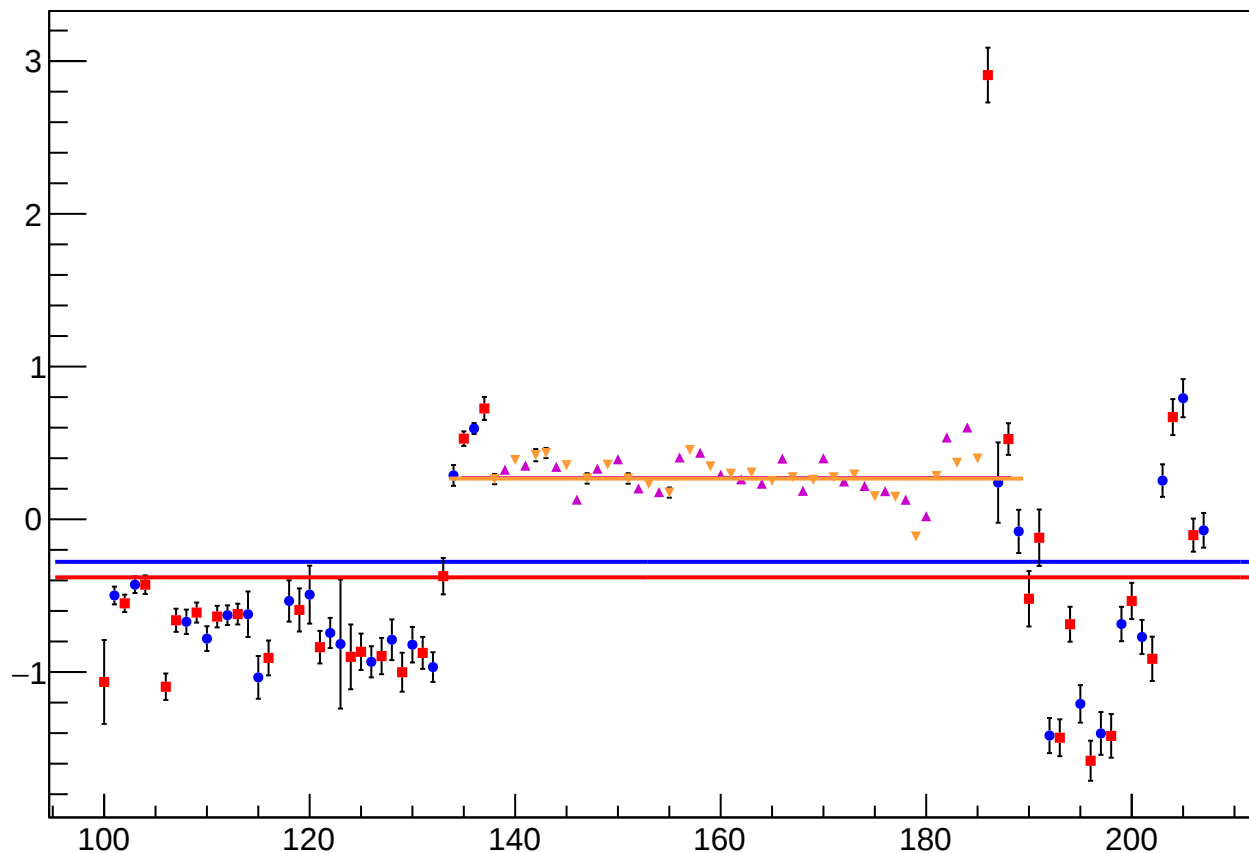
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.885 ± 0.092 χ^2/NDF : 4056.5/51

All: 0.880 ± 0.065 χ^2/NDF : 7108.3/105

- sign 0.875 ± 0.093 χ^2/NDF : 3051.8/53

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.278 ± 0.017 χ^2/NDF : 1322.9/26

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.380 ± 0.017 χ^2/NDF : 1581.0/30

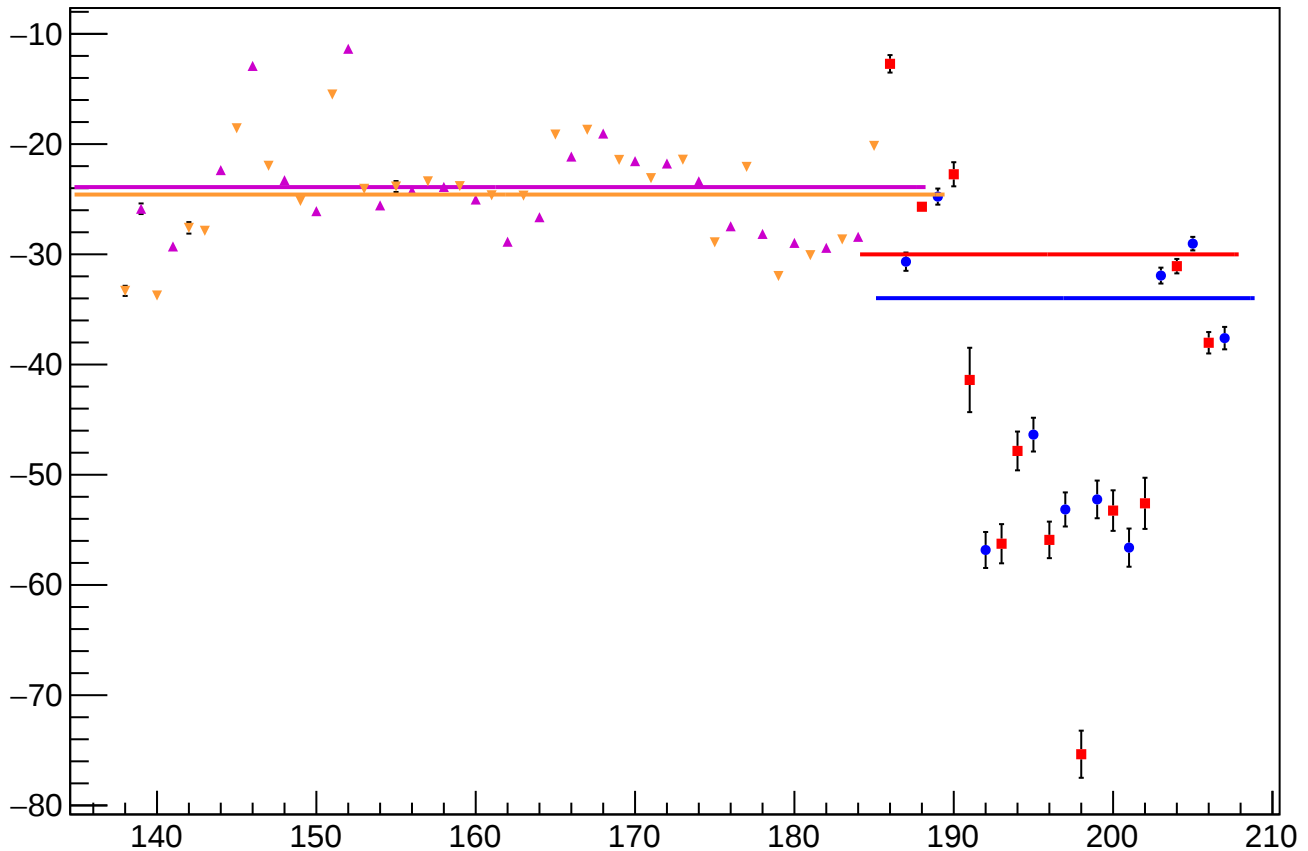
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.233 ± 0.004 χ^2/NDF : 2981.5/51

All: 0.231 ± 0.003 χ^2/NDF : 6911.5/105

- sign 0.229 ± 0.004 χ^2/NDF : 3929.4/53

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.978 ± 0.305 χ^2/NDF : 960.3/9

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -30.005 ± 0.277 χ^2/NDF : 1974.5/11

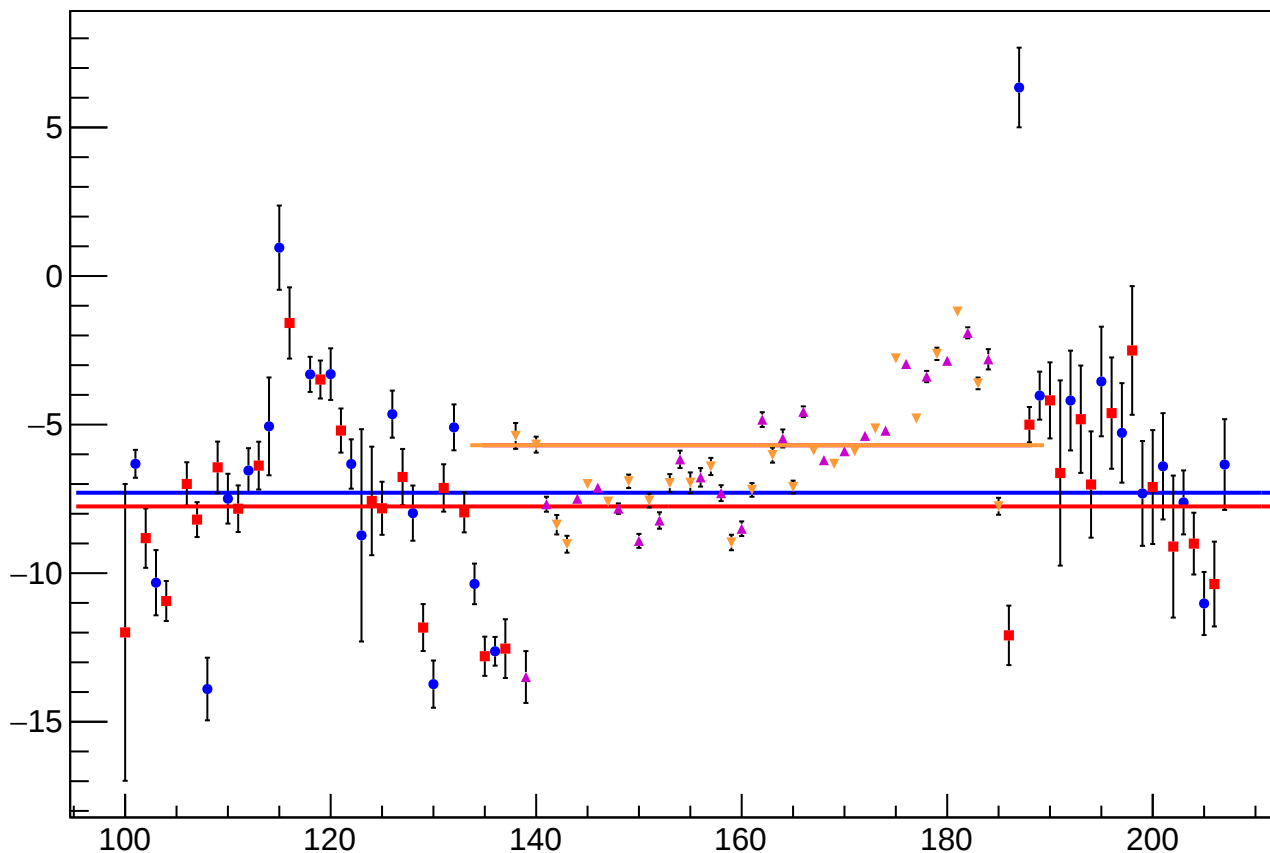
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.833 ± 0.050 χ^2/NDF : 10476.4/34

All: -24.467 ± 0.036 χ^2/NDF : 22181.1/69

- sign -24.102 ± 0.050 χ^2/NDF : 11598.8/34

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.293 ± 0.171 χ^2/NDF : 525.6/26

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.754 ± 0.166 χ^2/NDF : 289.4/30

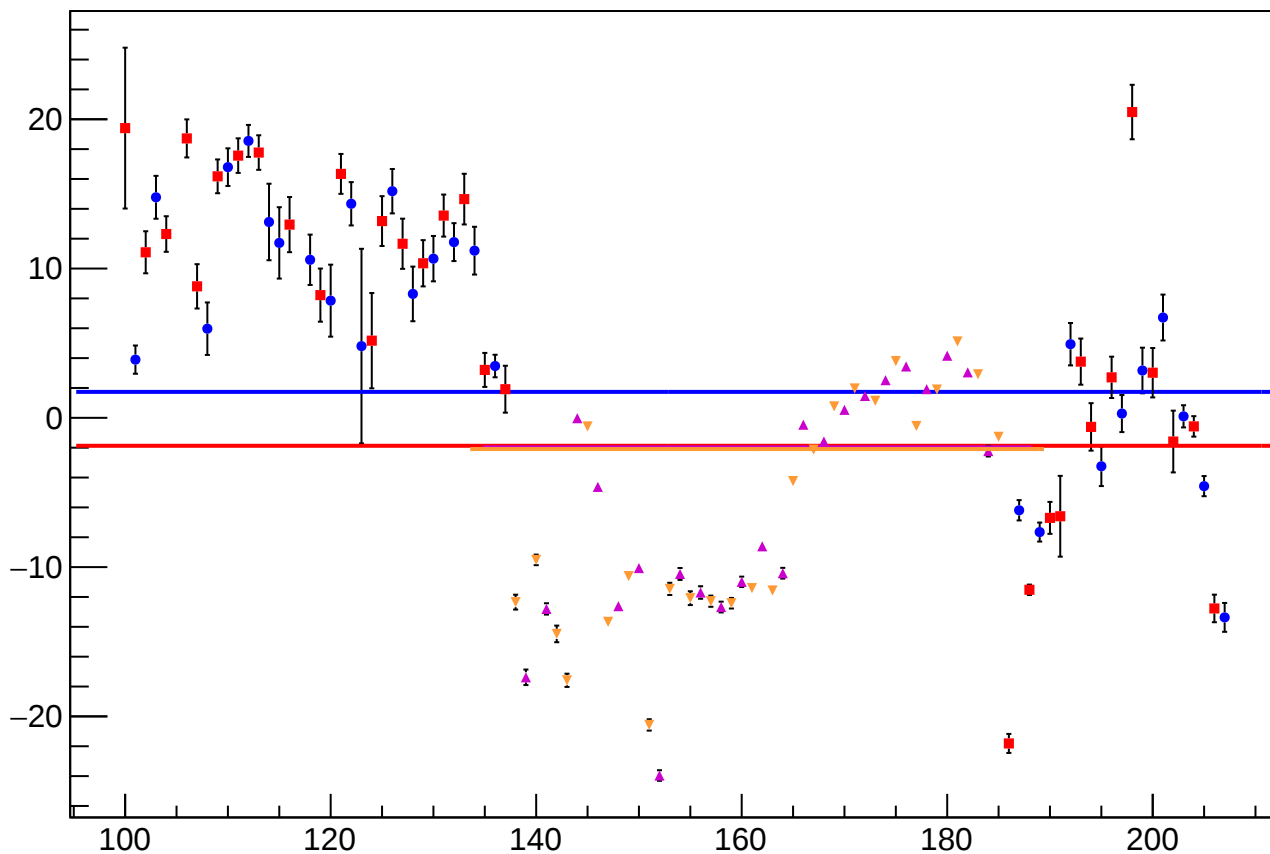
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.782 ± 0.040 χ^2/NDF : 2867.0/51

All: -5.798 ± 0.028 χ^2/NDF : 5611.8/105

- sign -5.814 ± 0.040 χ^2/NDF : 2744.5/53

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 1.738 ± 0.218 χ^2/NDF : 1582.3/26

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -1.873 ± 0.195 χ^2/NDF : 4220.1/30

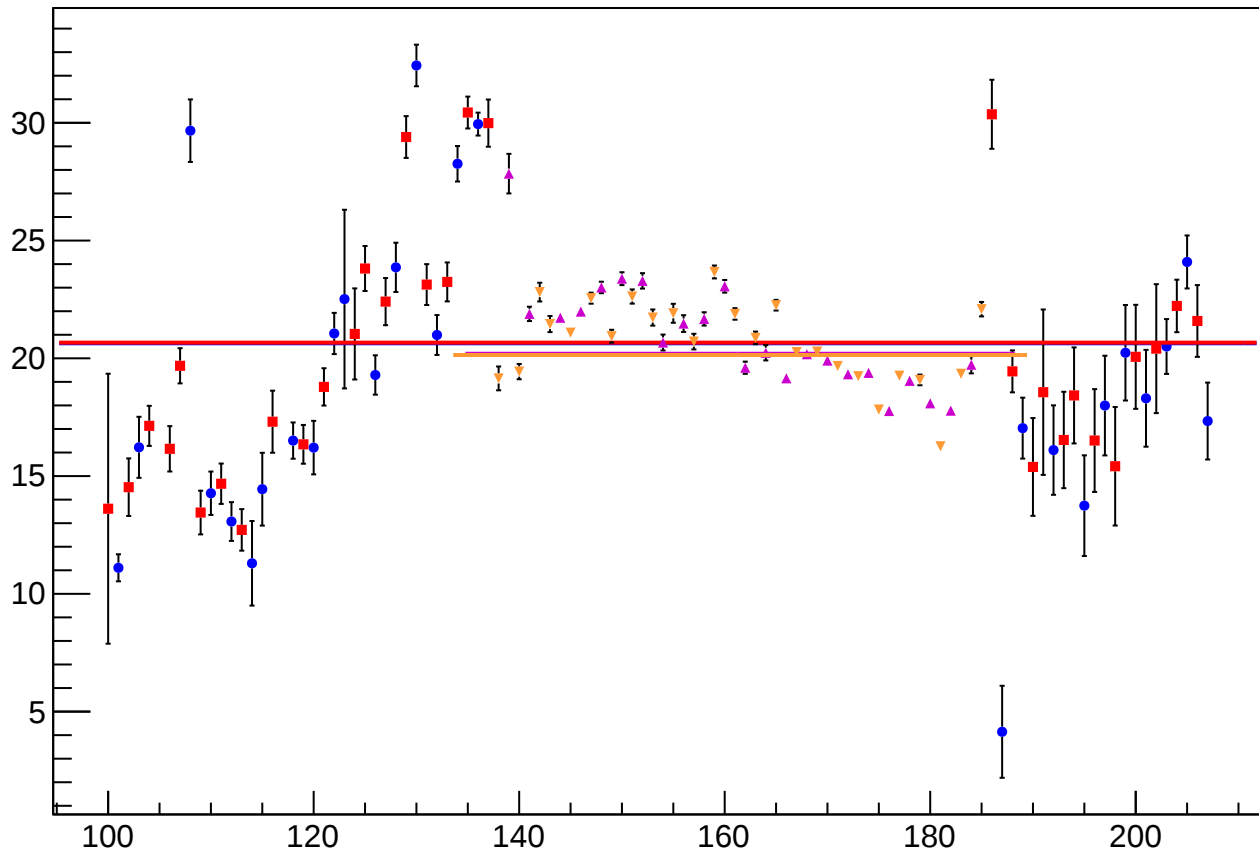
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -1.891 ± 0.050 χ^2/NDF : 18179.5/51

All: -1.932 ± 0.035 χ^2/NDF : 37783.5/105

- sign -1.973 ± 0.050 χ^2/NDF : 19602.7/53

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.639 $\pm$ 0.195 χ^2 /NDF: 1324.6/26

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.666 $\pm$ 0.194 χ^2 /NDF: 789.8/30

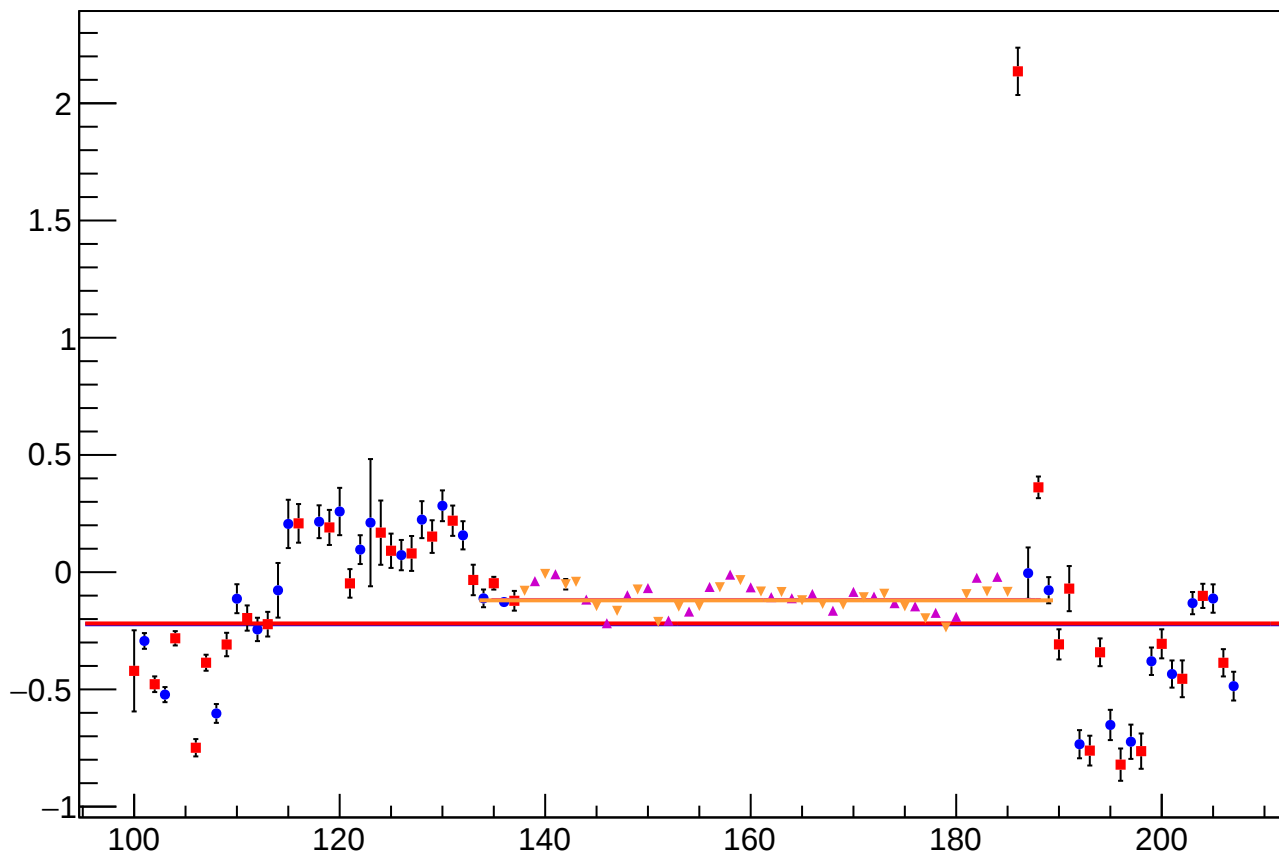
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.167 $\pm$ 0.045 χ^2 /NDF: 2750.0/51

All: 20.193 $\pm$ 0.032 χ^2 /NDF: 4993.4/105

- sign 20.219 $\pm$ 0.045 χ^2 /NDF: 2242.8/53

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.222 ± 0.010 χ^2/NDF : 697.4/26

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.219 ± 0.009 χ^2/NDF : 1470.2/30

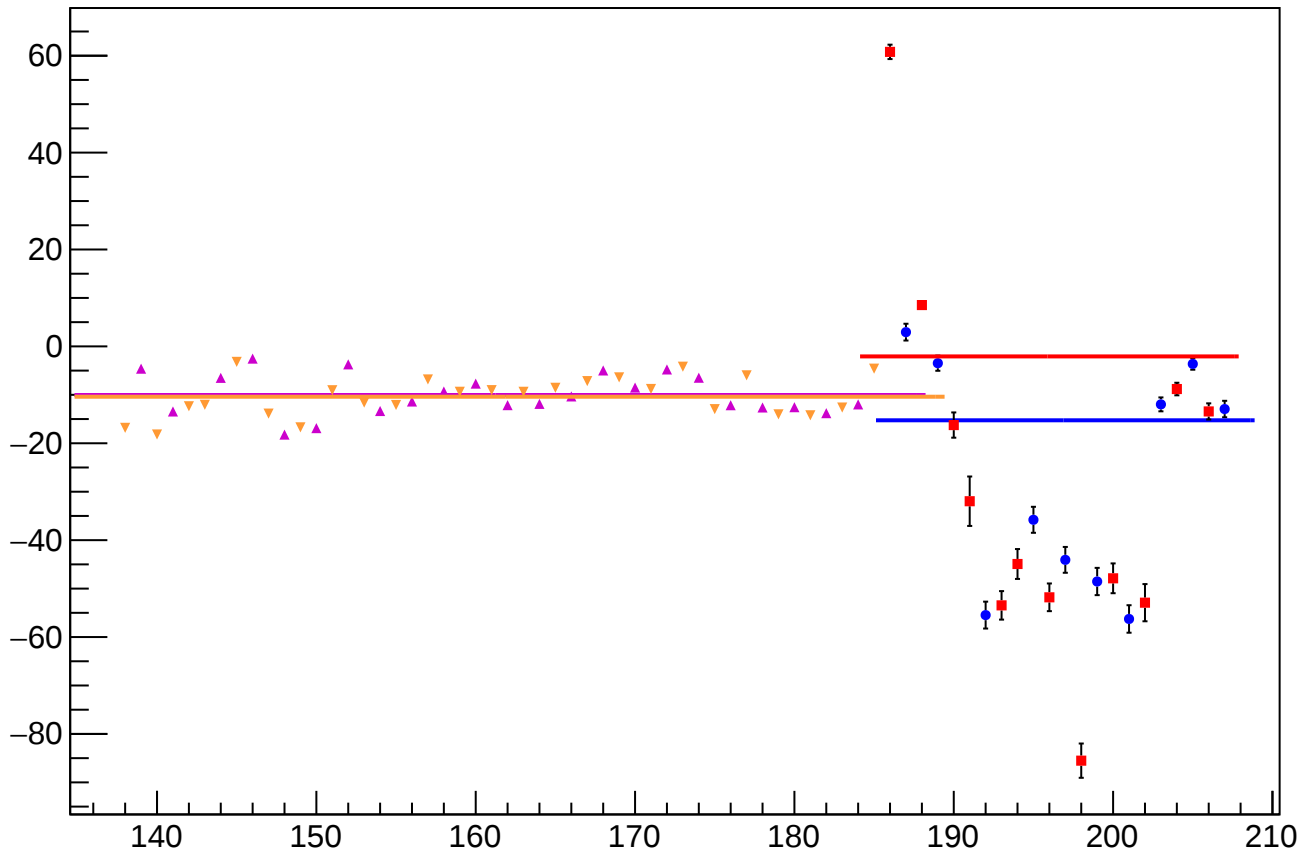
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.125 ± 0.002 χ^2/NDF : 1333.5/51

All: -0.124 ± 0.001 χ^2/NDF : 3633.0/105

- sign -0.123 ± 0.002 χ^2/NDF : 2299.3/53

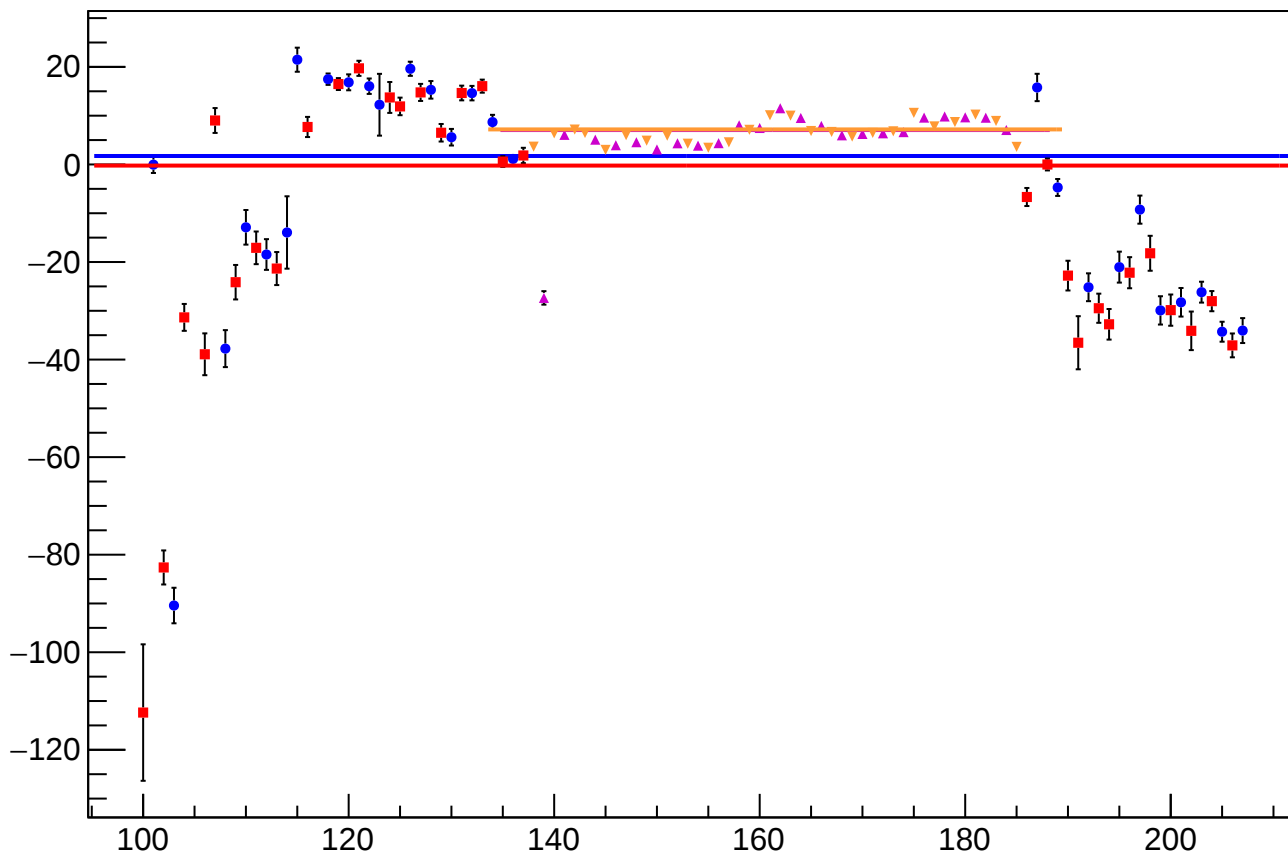
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -15.258 ± 0.584 χ^2/NDF : 1002.6/9
 Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24
 Right Out: -2.071 ± 0.531 χ^2/NDF : 3832.2/11
 Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.498 ± 0.087 χ^2/NDF : 3182.1/34
 All: -10.163 ± 0.062 χ^2/NDF : 9022.0/69
 - sign -9.816 ± 0.088 χ^2/NDF : 5809.5/34

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 1.735 ± 0.361 χ^2/NDF : 2635.5/26

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: -0.232 ± 0.369 χ^2/NDF : 2676.0/30

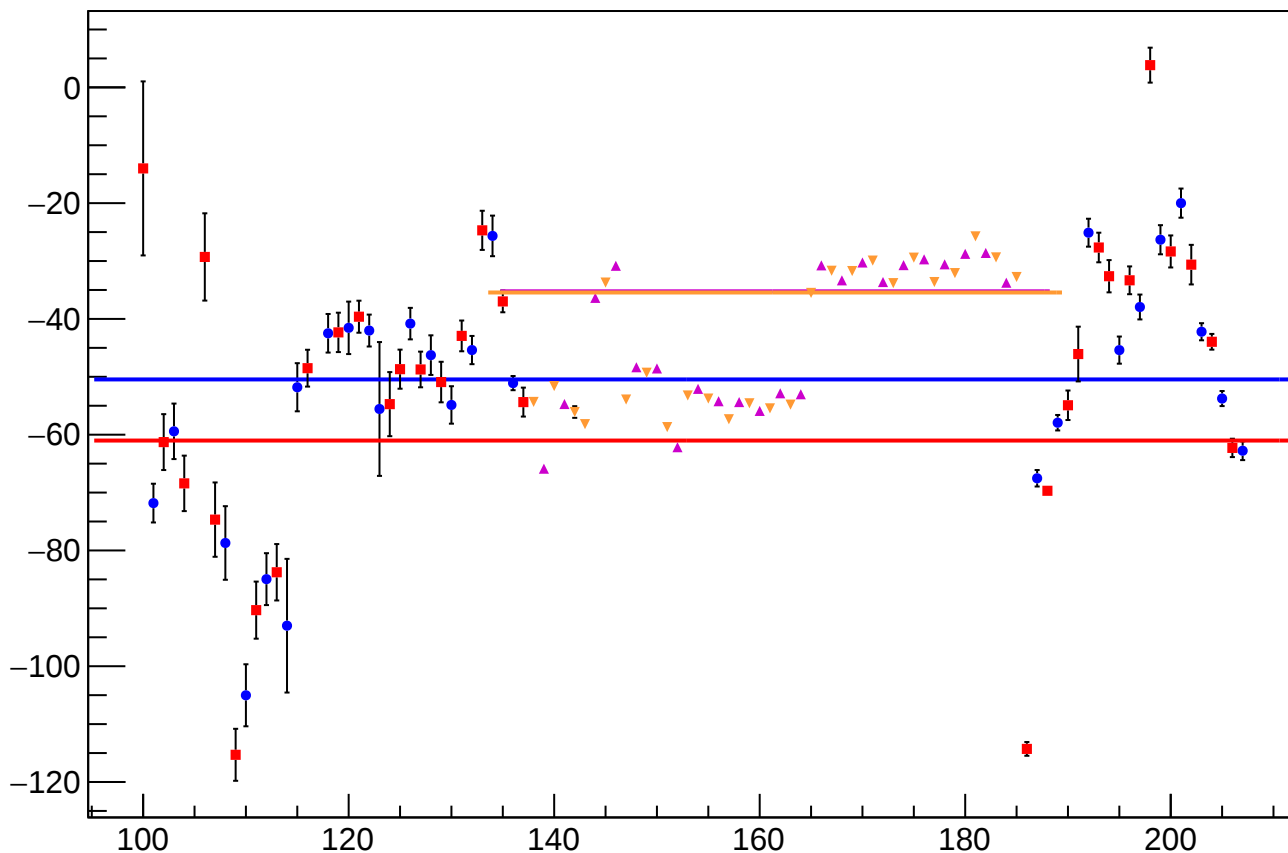
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 6.967 ± 0.072 χ^2/NDF : 3771.8/51

All: 6.869 ± 0.051 χ^2/NDF : 8362.2/105

- sign 6.769 ± 0.073 χ^2/NDF : 4586.7/53

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -50.455 ± 0.439 χ^2/NDF : 988.1/26

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -61.013 ± 0.399 χ^2/NDF : 4143.5/30

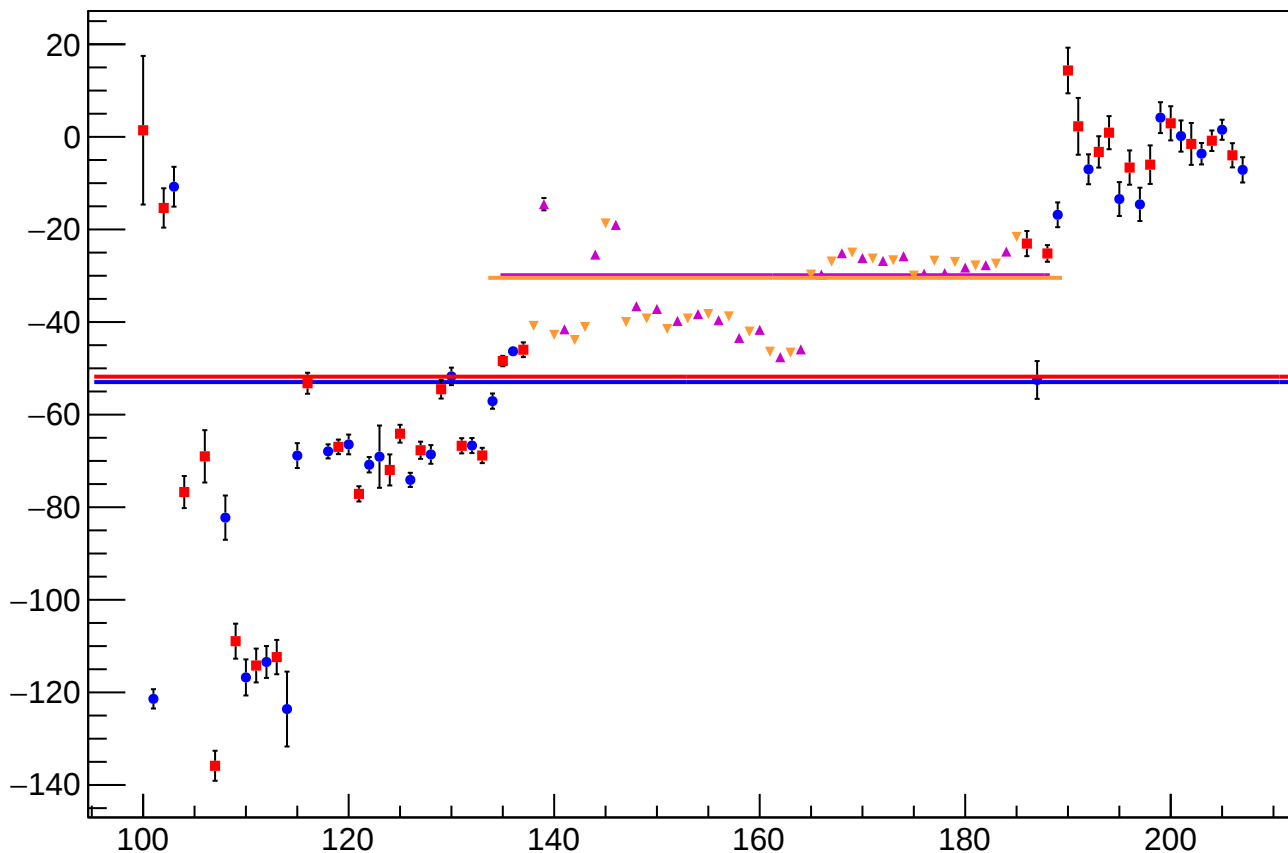
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -36.027 ± 0.087 χ^2/NDF : 14895.0/51

All: -36.251 ± 0.062 χ^2/NDF : 34625.0/105

- sign -36.479 ± 0.088 χ^2/NDF : 19716.7/53

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -52.972 ± 0.404 χ^2/NDF : 5082.1/26

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -51.797 ± 0.424 χ^2/NDF : 4785.1/30

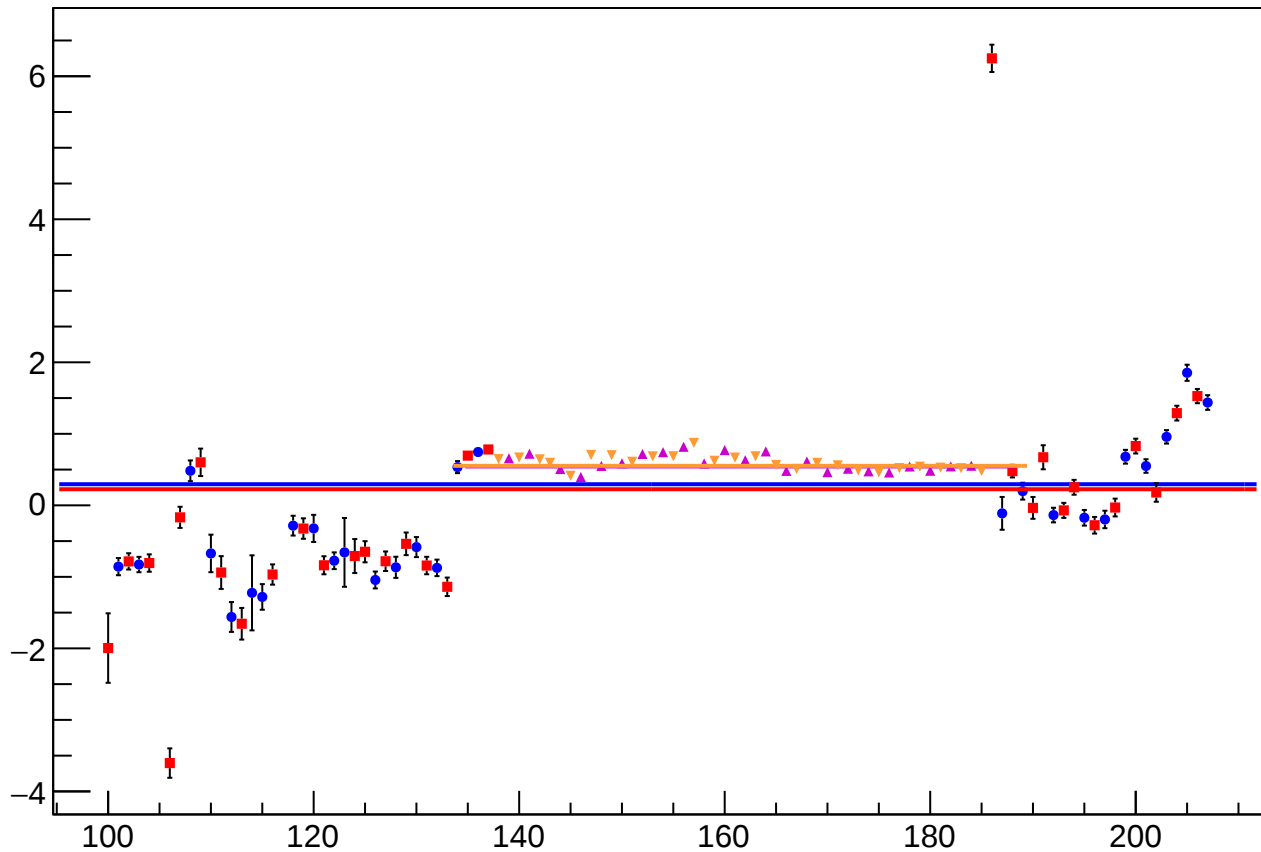
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.328 ± 0.080 χ^2/NDF : 16230.6/51

All: -31.014 ± 0.057 χ^2/NDF : 30728.5/105

- sign -30.691 ± 0.081 χ^2/NDF : 14466.7/53

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.295 $\pm$ 0.020 χ^2 /NDF: 1466.3/26

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF: 542.1/24

Right Out: 0.225 $\pm$ 0.021 χ^2 /NDF: 2629.2/30

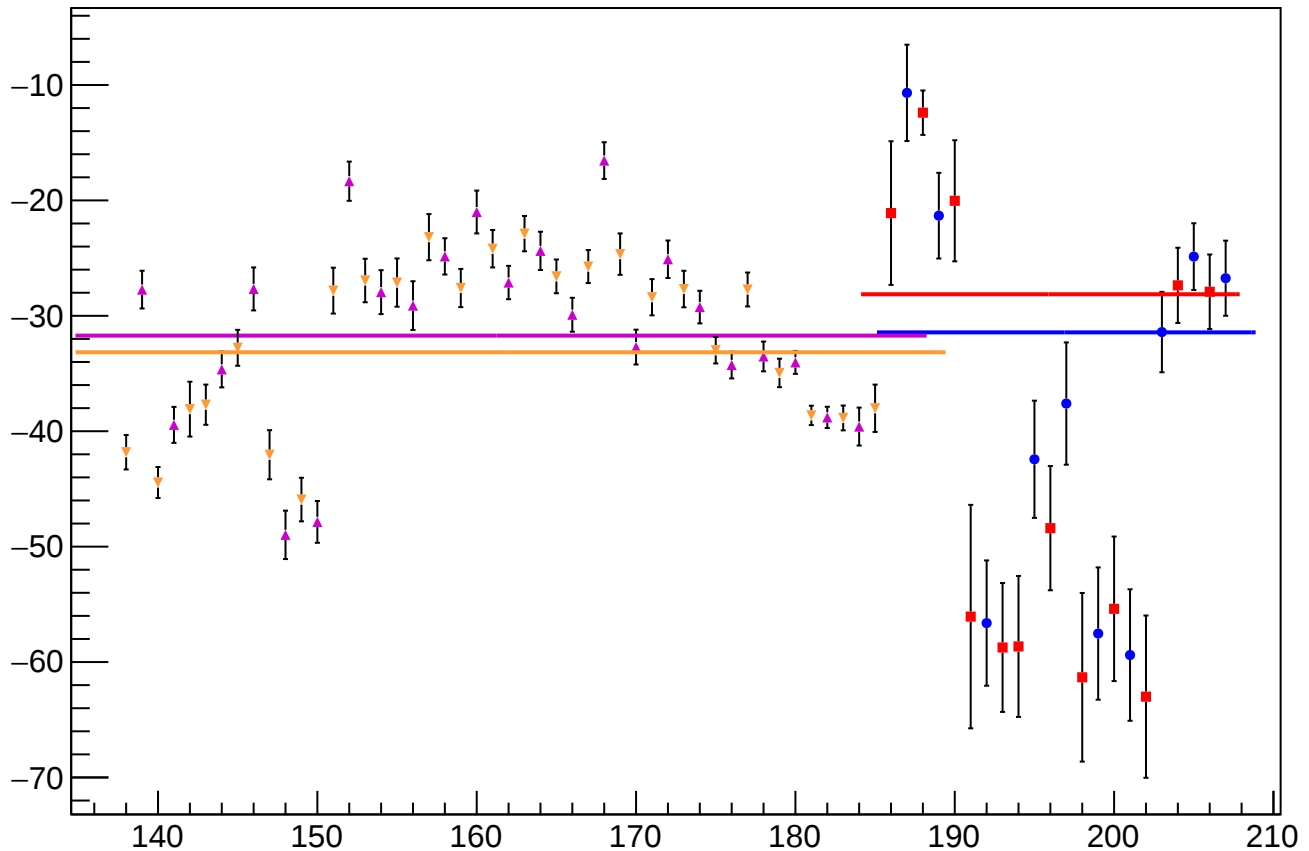
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF: 655.9/22

+ sign 0.544 $\pm$ 0.004 χ^2 /NDF: 2173.0/51

All: 0.539 $\pm$ 0.003 χ^2 /NDF: 5692.4/105

- sign 0.533 $\pm$ 0.004 χ^2 /NDF: 3515.2/53

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -31.435 ± 1.295 $\chi^2/\text{NDF}: 111.8/9$

Left Out: -33.157 ± 0.300 $\chi^2/\text{NDF}: 500.1/24$

Right Out: -28.131 ± 1.203 $\chi^2/\text{NDF}: 212.2/11$

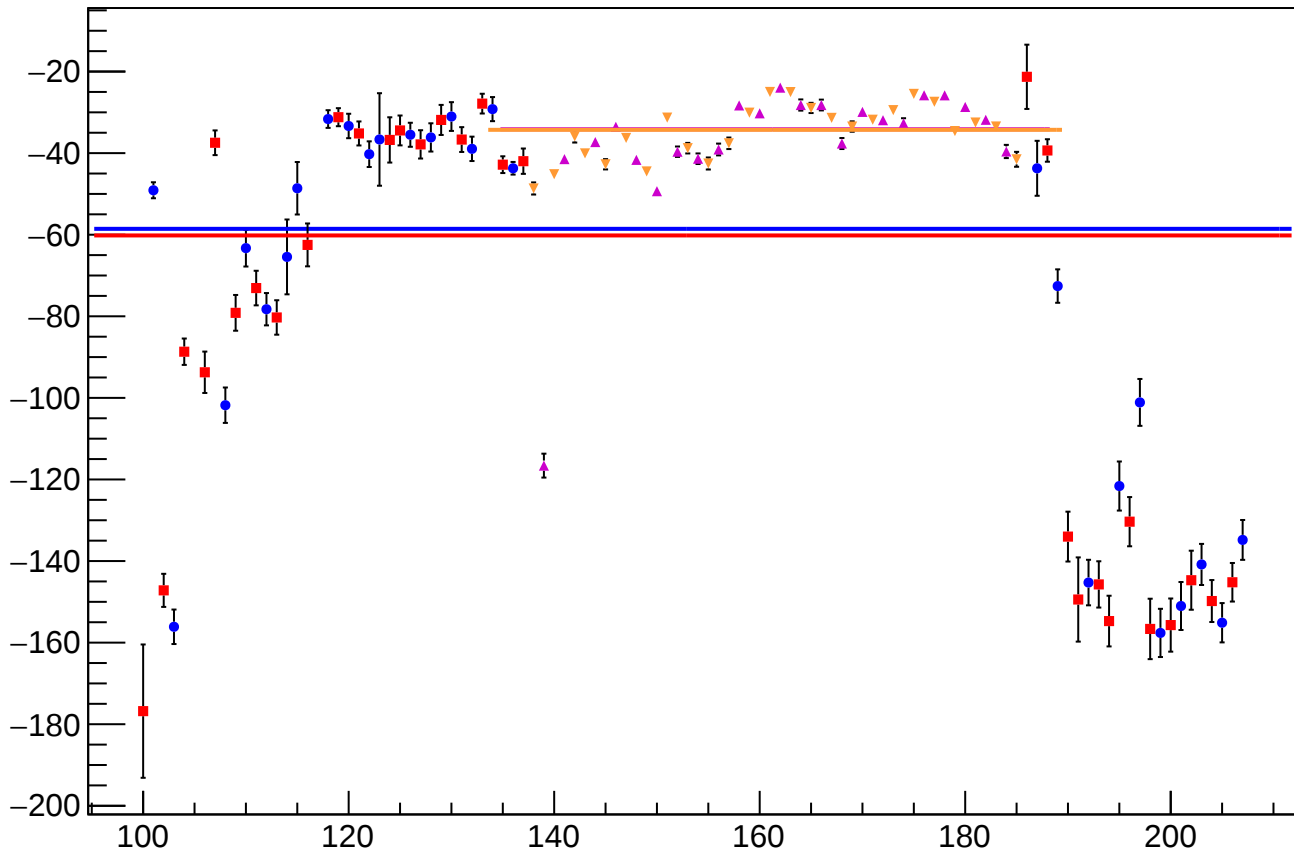
Left In: -31.714 ± 0.309 $\chi^2/\text{NDF}: 542.3/22$

+ sign -33.069 ± 0.292 $\chi^2/\text{NDF}: 613.5/34$

All: -32.299 ± 0.209 $\chi^2/\text{NDF}: 1390.5/69$

- sign -31.493 ± 0.299 $\chi^2/\text{NDF}: 762.8/34$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -58.557 ± 0.670 $\chi^2/\text{NDF}: 3207.6/26$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -60.178 ± 0.686 $\chi^2/\text{NDF}: 3539.5/30$

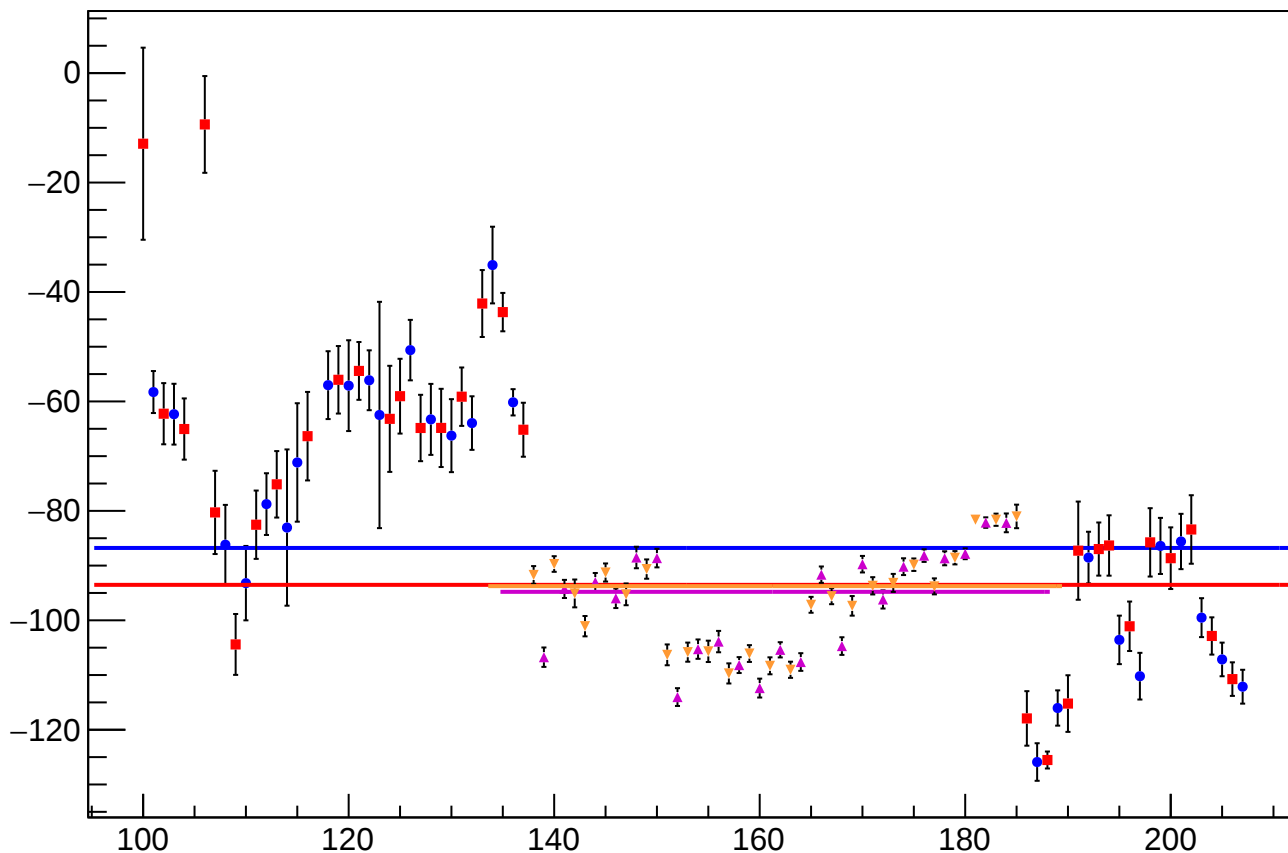
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -37.077 ± 0.227 $\chi^2/\text{NDF}: 5064.1/51$

All: -37.142 ± 0.164 $\chi^2/\text{NDF}: 11325.8/105$

- sign -37.212 ± 0.236 $\chi^2/\text{NDF}: 6261.5/53$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -86.775 ± 0.886 χ^2/NDF : 793.5/26

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -93.519 ± 0.837 χ^2/NDF : 1230.1/30

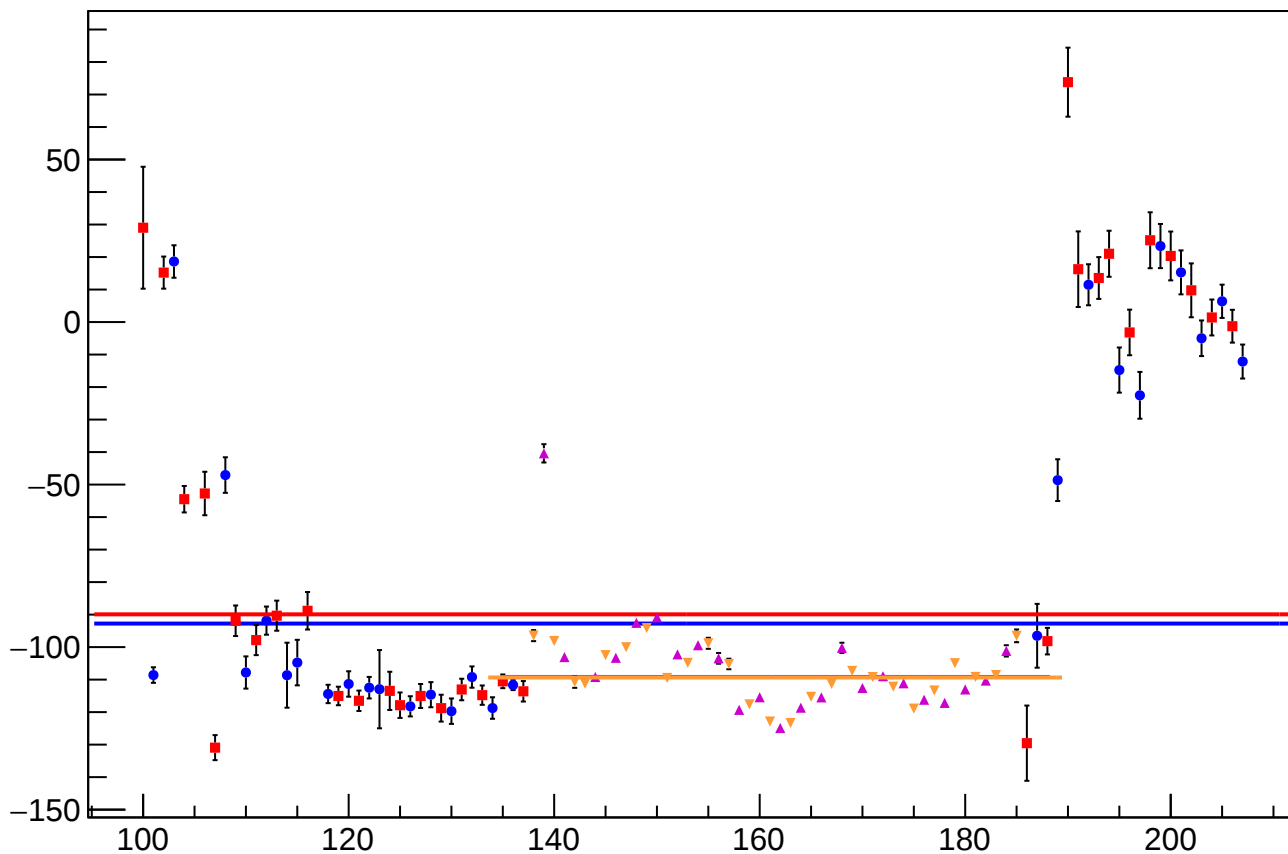
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -93.028 ± 0.286 χ^2/NDF : 1732.2/51

All: -93.825 ± 0.203 χ^2/NDF : 3954.8/105

- sign -94.643 ± 0.289 χ^2/NDF : 2206.9/53

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -92.758 ± 0.757 χ^2/NDF : 3085.5/26

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -89.921 ± 0.788 χ^2/NDF : 3414.0/30

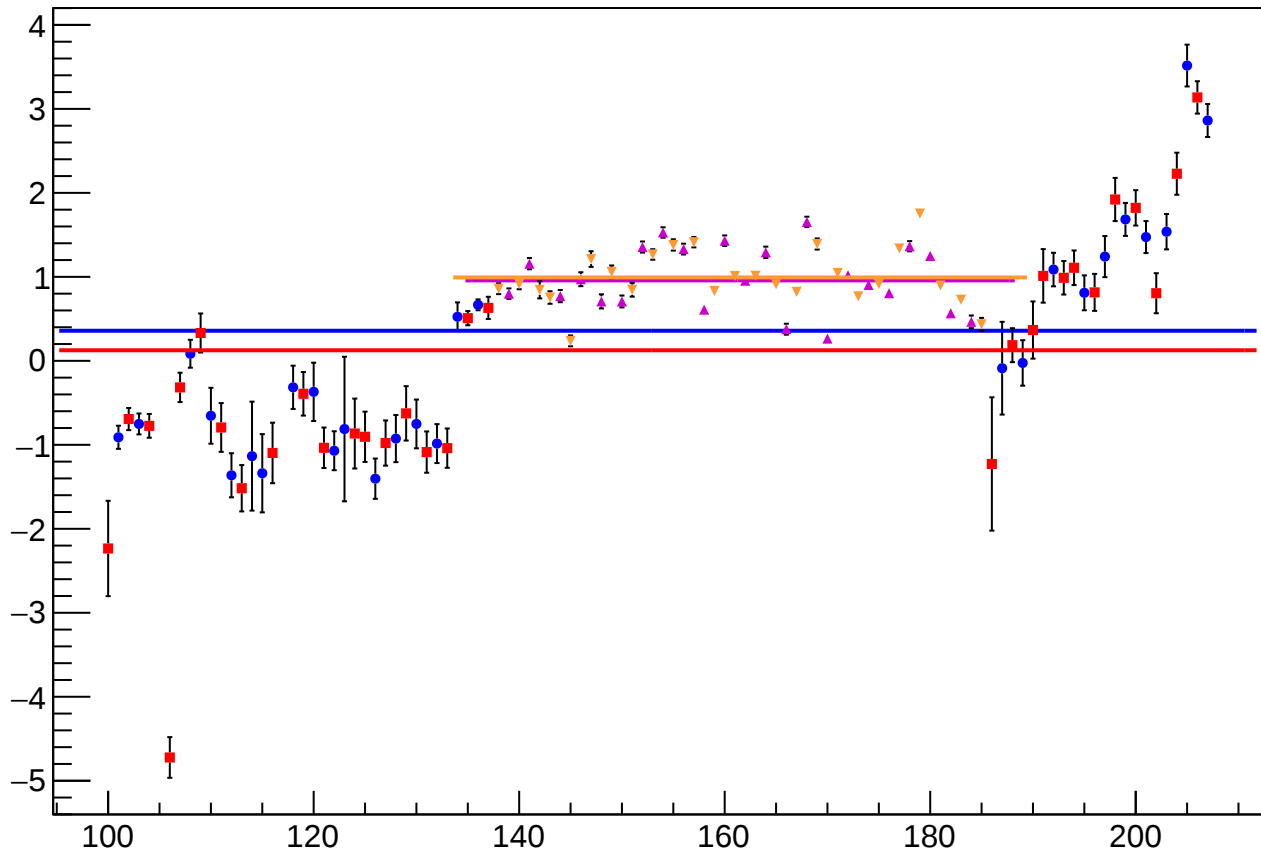
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -107.463 ± 0.255 χ^2/NDF : 4338.1/51

All: -107.252 ± 0.183 χ^2/NDF : 9785.0/105

- sign -107.027 ± 0.264 χ^2/NDF : 5445.5/53

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.358 ± 0.036 $\chi^2/\text{NDF}: 904.0/26$

Left Out: 0.993 ± 0.012 $\chi^2/\text{NDF}: 638.6/24$

Right Out: 0.126 ± 0.037 $\chi^2/\text{NDF}: 1210.5/30$

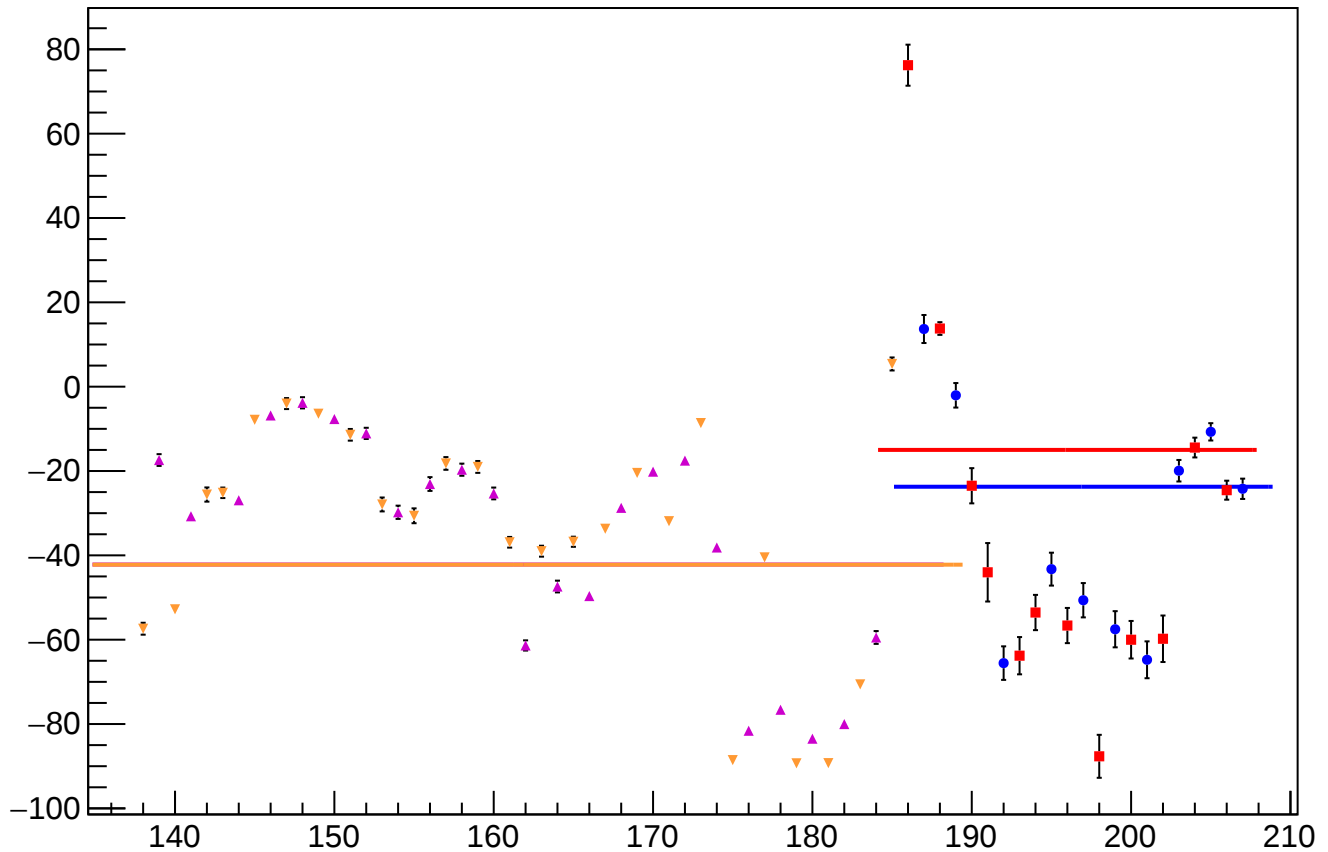
Left In: 0.958 ± 0.013 $\chi^2/\text{NDF}: 894.5/22$

+ sign 0.927 ± 0.012 $\chi^2/\text{NDF}: 1816.3/51$

All: 0.899 ± 0.008 $\chi^2/\text{NDF}: 4383.1/105$

- sign 0.871 ± 0.012 $\chi^2/\text{NDF}: 2555.9/53$

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -23.728 ± 0.968 $\chi^2/\text{NDF}: 554.4/9$

Left Out: -42.213 ± 0.222 $\chi^2/\text{NDF}: 18309.1/24$

Right Out: -14.995 ± 0.903 $\chi^2/\text{NDF}: 1433.8/11$

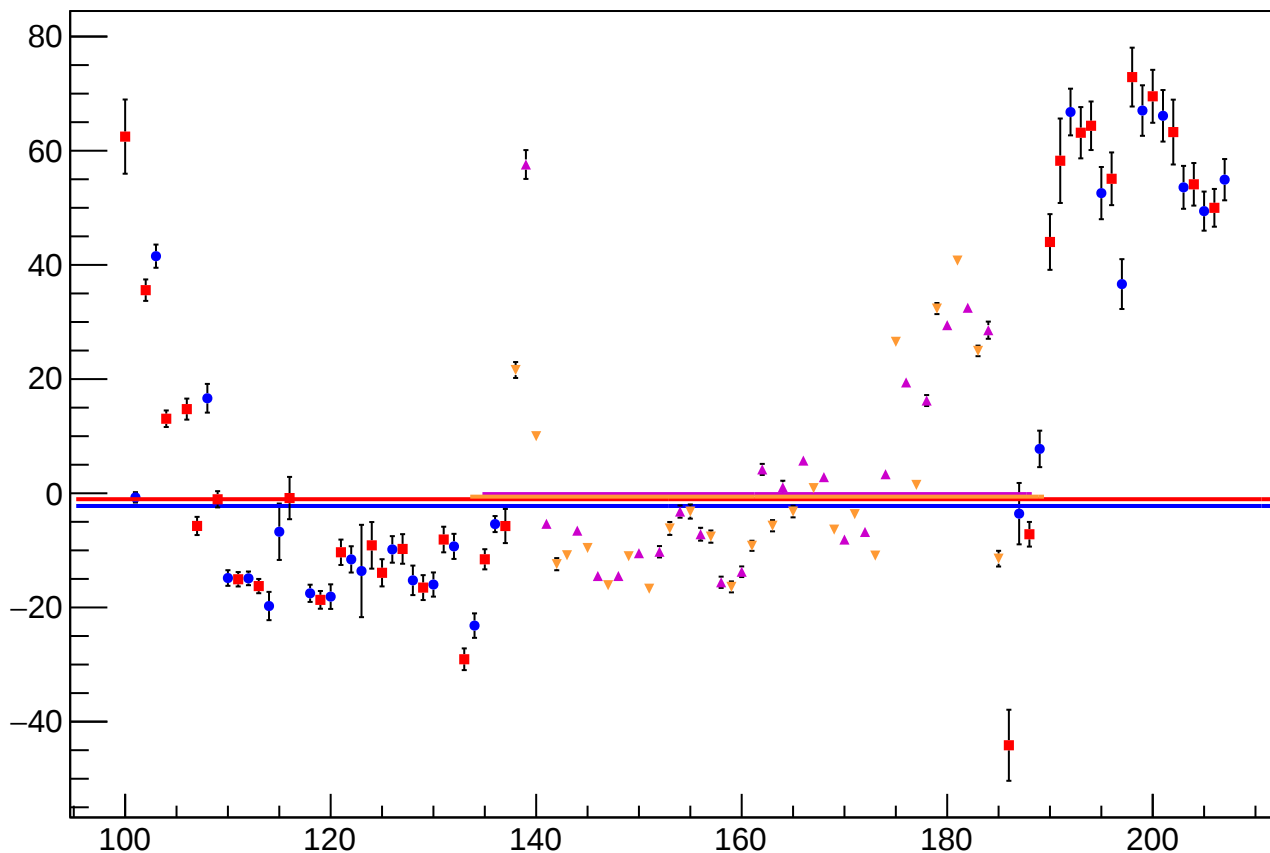
Left In: -42.176 ± 0.227 $\chi^2/\text{NDF}: 14575.9/22$

+ sign -41.288 ± 0.216 $\chi^2/\text{NDF}: 19210.2/34$

All: -40.930 ± 0.154 $\chi^2/\text{NDF}: 36078.0/69$

- sign -40.559 ± 0.220 $\chi^2/\text{NDF}: 16862.3/34$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -2.225 ± 0.408 χ^2/NDF : 2825.3/26

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: -1.037 ± 0.403 χ^2/NDF : 3246.7/30

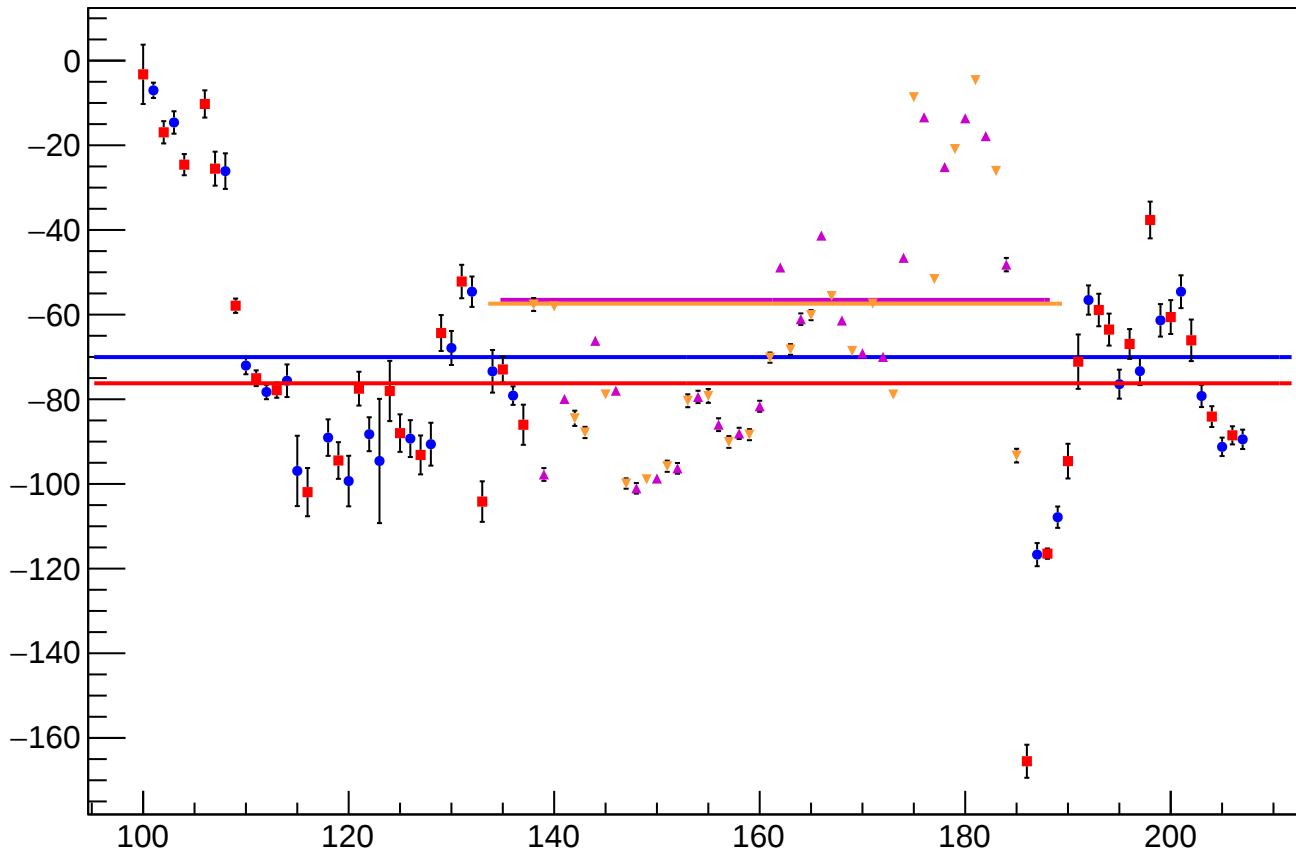
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -0.842 ± 0.160 χ^2/NDF : 11589.9/51

All: -0.572 ± 0.115 χ^2/NDF : 21708.9/105

- sign -0.289 ± 0.164 χ^2/NDF : 10113.3/53

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -70.035 ± 0.575 χ^2/NDF : 2663.2/26

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -76.222 ± 0.527 χ^2/NDF : 3696.9/30

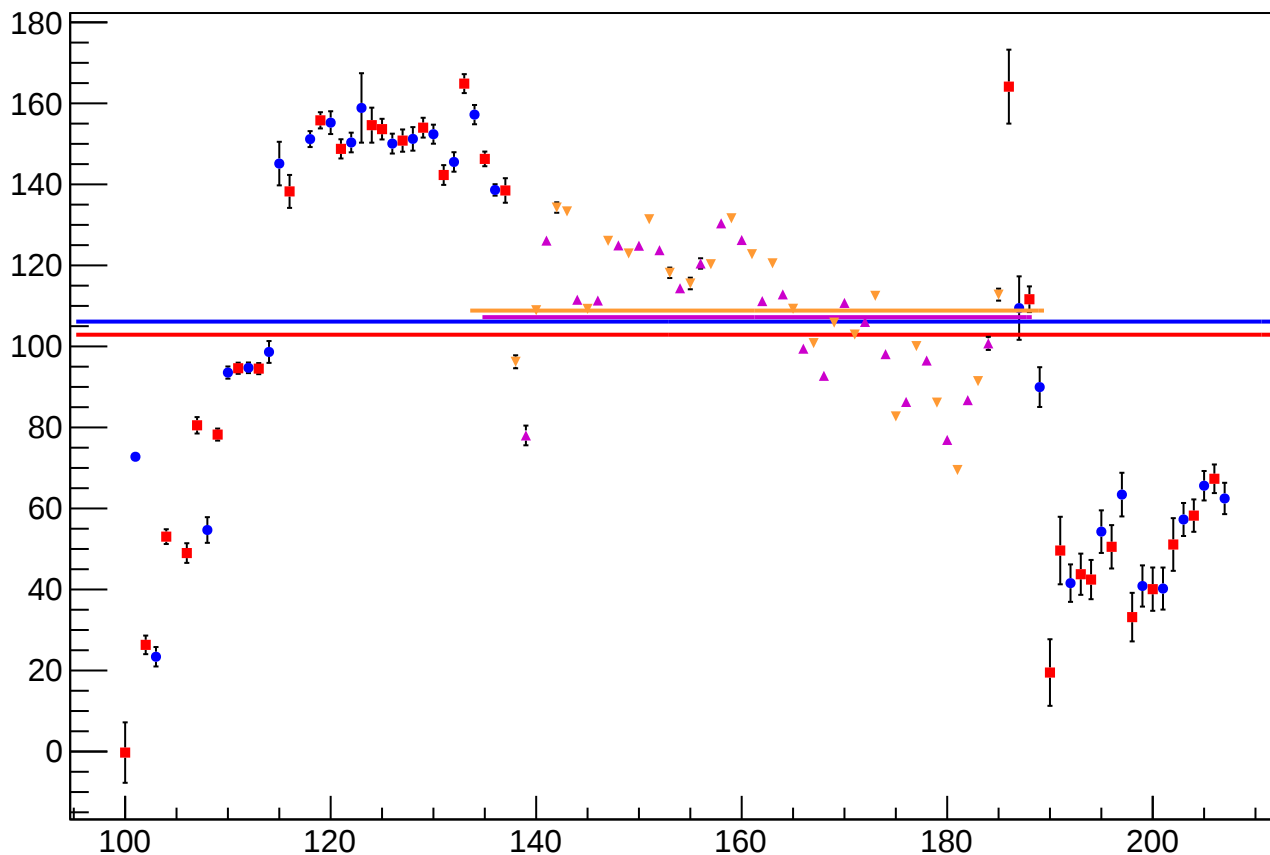
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -59.066 ± 0.208 χ^2/NDF : 21686.0/51

All: -59.332 ± 0.147 χ^2/NDF : 42916.1/105

- sign -59.599 ± 0.209 χ^2/NDF : 21226.8/53

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 106.129 $\pm$ 0.465 χ^2 /NDF: 7055.4/26

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 102.890 $\pm$ 0.462 χ^2 /NDF: 8266.5/30

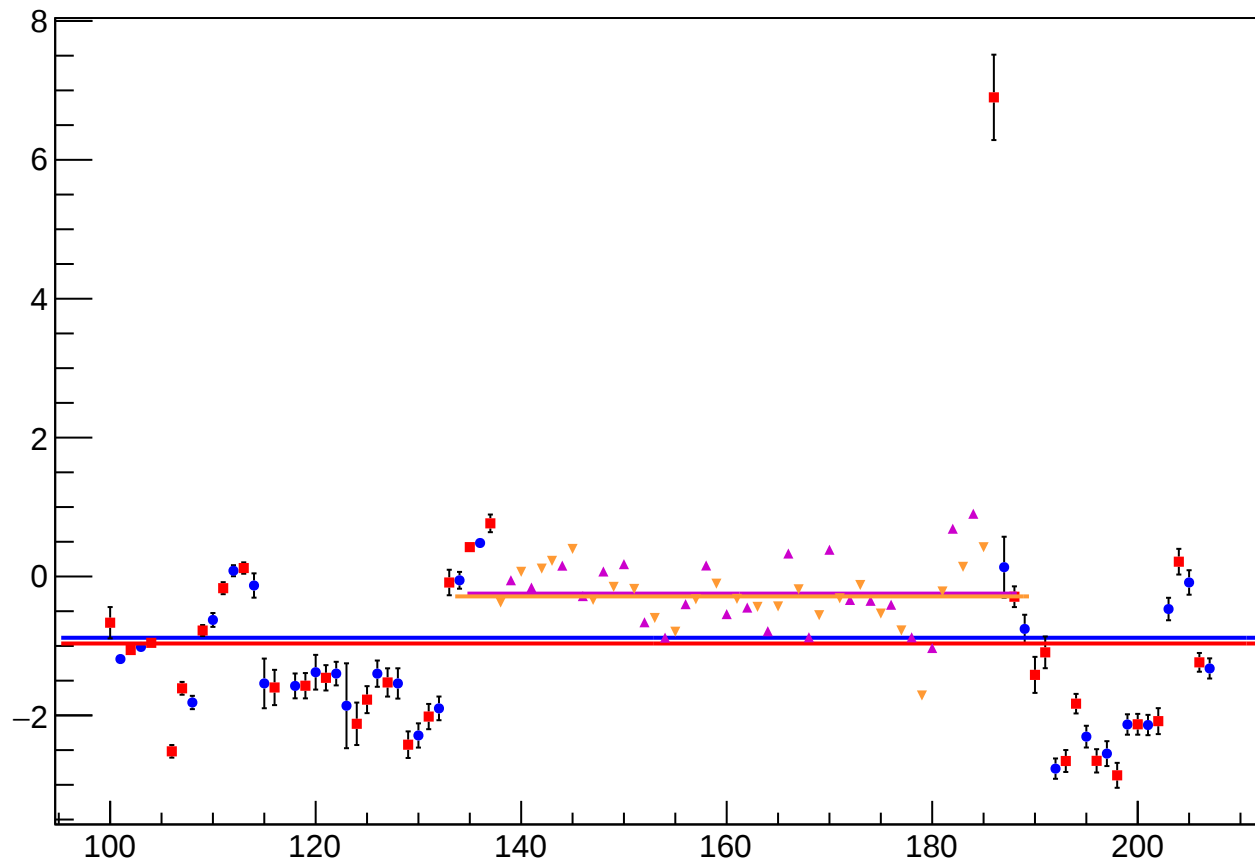
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.432 $\pm$ 0.182 χ^2 /NDF: 14484.5/51

All: 107.499 $\pm$ 0.130 χ^2 /NDF: 28443.9/105

- sign 106.527 $\pm$ 0.185 χ^2 /NDF: 13905.5/53

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.882 ± 0.023 χ^2/NDF : 1566.6/26

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.965 ± 0.022 χ^2/NDF : 2034.0/30

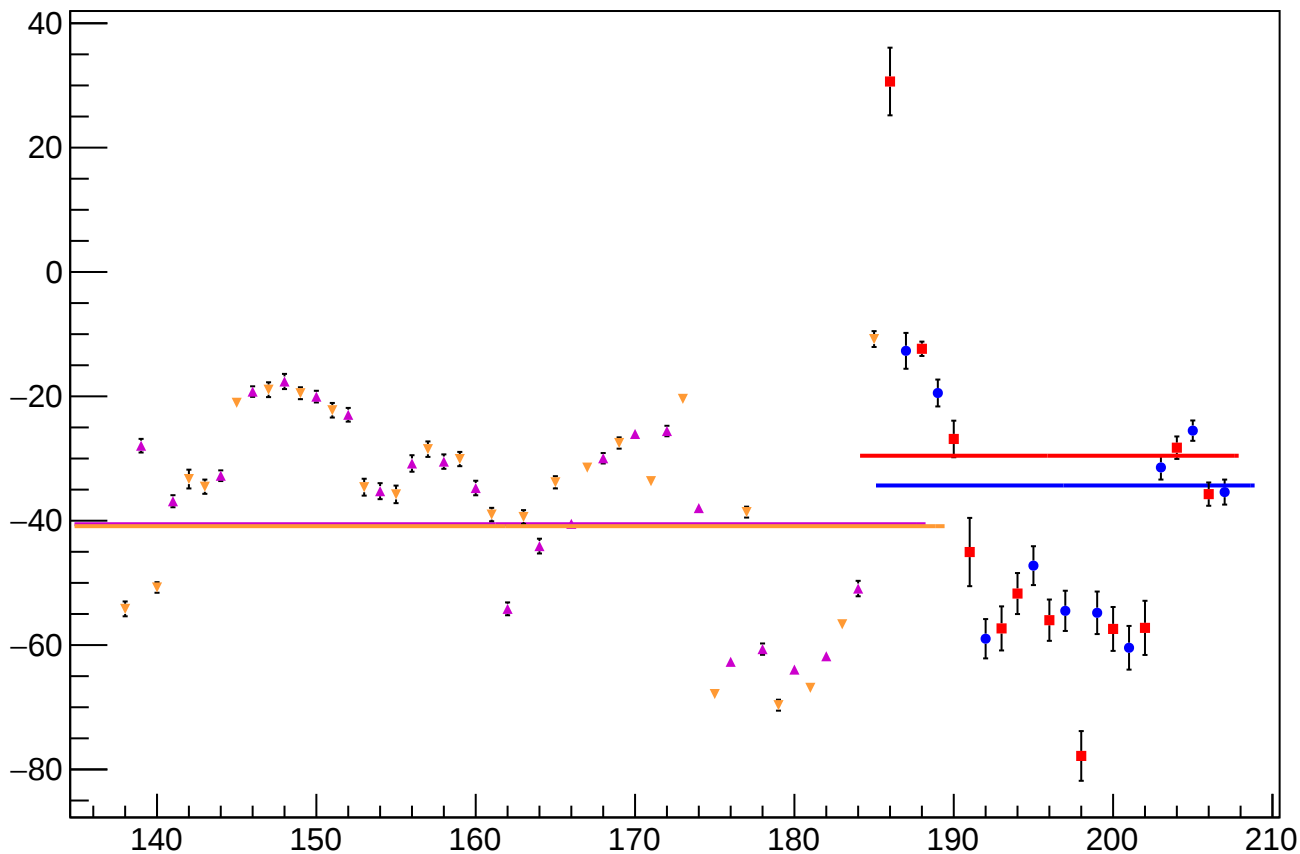
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.366 ± 0.008 χ^2/NDF : 4190.1/51

All: -0.361 ± 0.006 χ^2/NDF : 9928.1/105

- sign -0.355 ± 0.009 χ^2/NDF : 5737.2/53

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -34.334 ± 0.771 χ^2/NDF : 342.9/9

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -29.550 ± 0.710 χ^2/NDF : 782.7/11

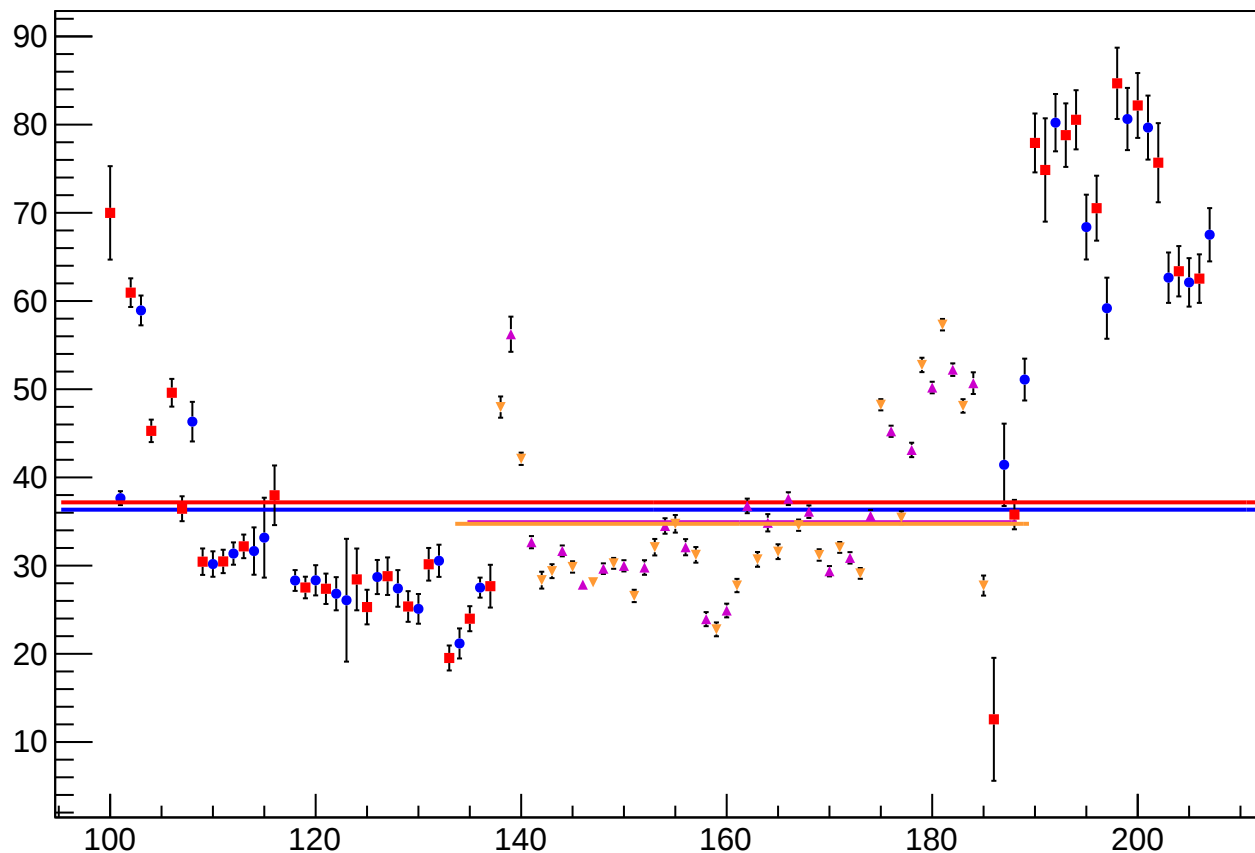
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.519 ± 0.181 χ^2/NDF : 9534.2/34

All: -40.181 ± 0.129 χ^2/NDF : 17503.2/69

- sign -39.832 ± 0.183 χ^2/NDF : 7961.9/34

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 36.342 ± 0.352 $\chi^2/\text{NDF}: 1484.1/26$

Left Out: 34.741 ± 0.147 $\chi^2/\text{NDF}: 3693.2/24$

Right Out: 37.173 ± 0.351 $\chi^2/\text{NDF}: 2003.2/30$

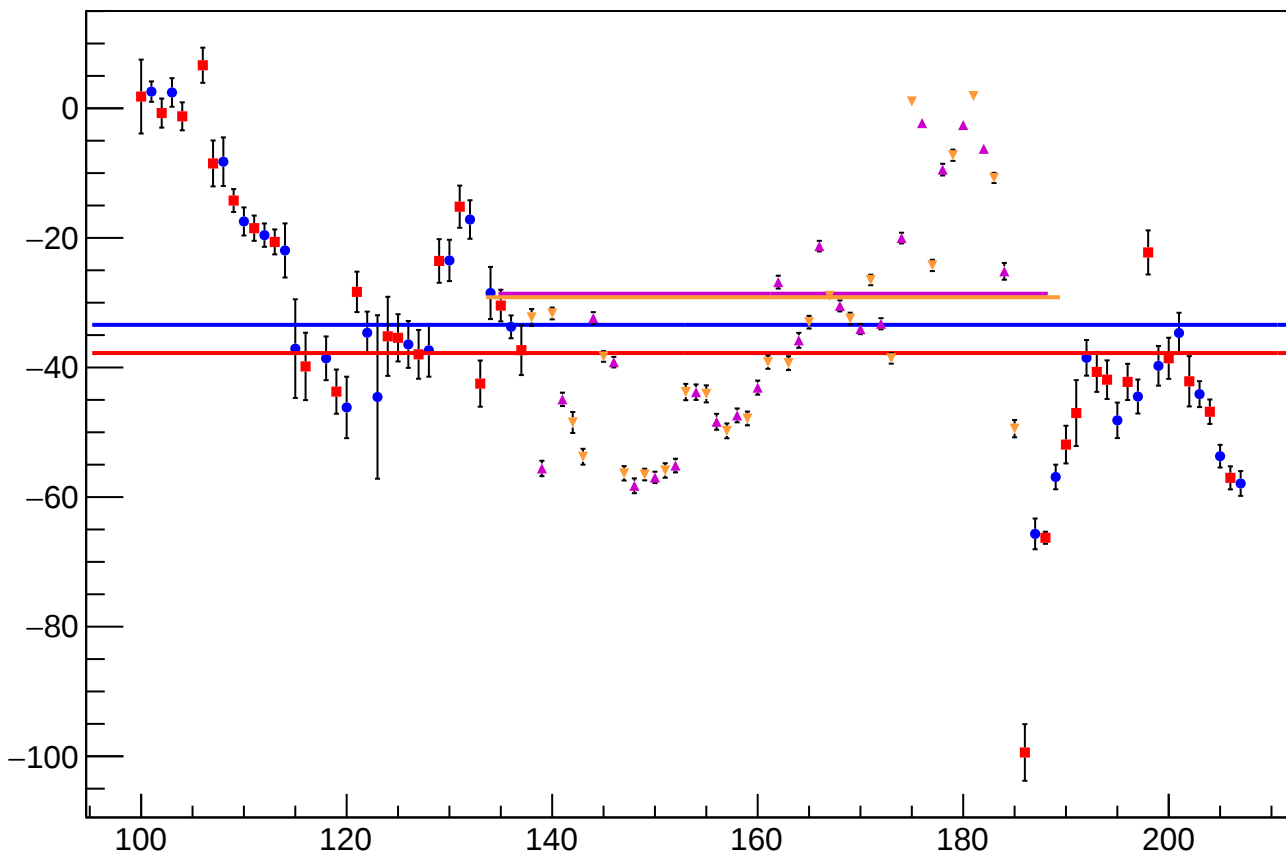
Left In: 34.922 ± 0.152 $\chi^2/\text{NDF}: 2672.9/22$

+ sign 34.980 ± 0.136 $\chi^2/\text{NDF}: 5194.9/51$

All: 35.125 ± 0.097 $\chi^2/\text{NDF}: 9908.0/105$

- sign 35.277 ± 0.139 $\chi^2/\text{NDF}: 4710.8/53$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -33.418 ± 0.490 $\chi^2/\text{NDF}: 1724.3/26$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -37.773 ± 0.449 $\chi^2/\text{NDF}: 2712.2/30$

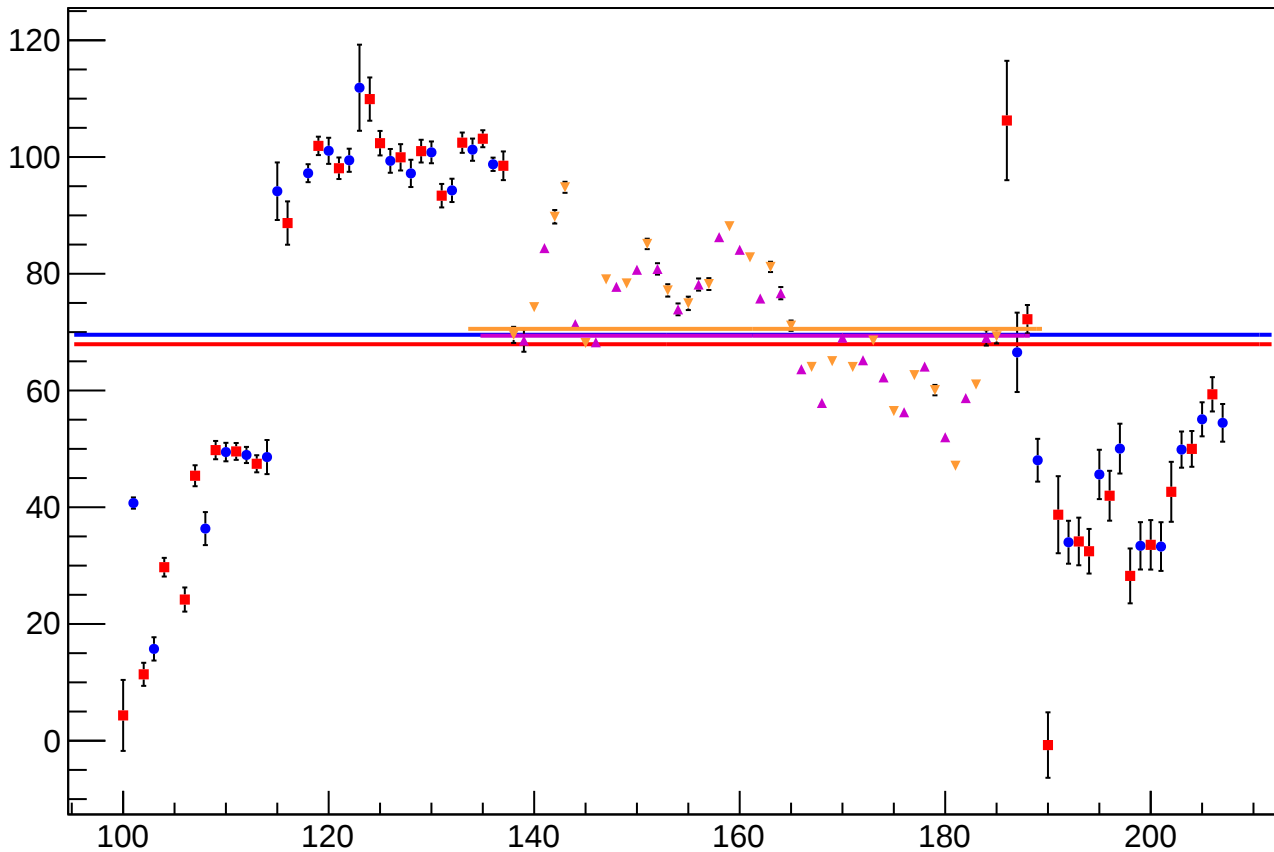
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -29.704 ± 0.175 $\chi^2/\text{NDF}: 11916.1/51$

All: -29.854 ± 0.124 $\chi^2/\text{NDF}: 24023.3/105$

- sign -30.004 ± 0.175 $\chi^2/\text{NDF}: 12105.7/53$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 69.549 $\pm$ 0.403 χ^2 /NDF: 5143.3/26

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF: 4589.1/24

Right Out: 67.927 $\pm$ 0.405 χ^2 /NDF: 6120.3/30

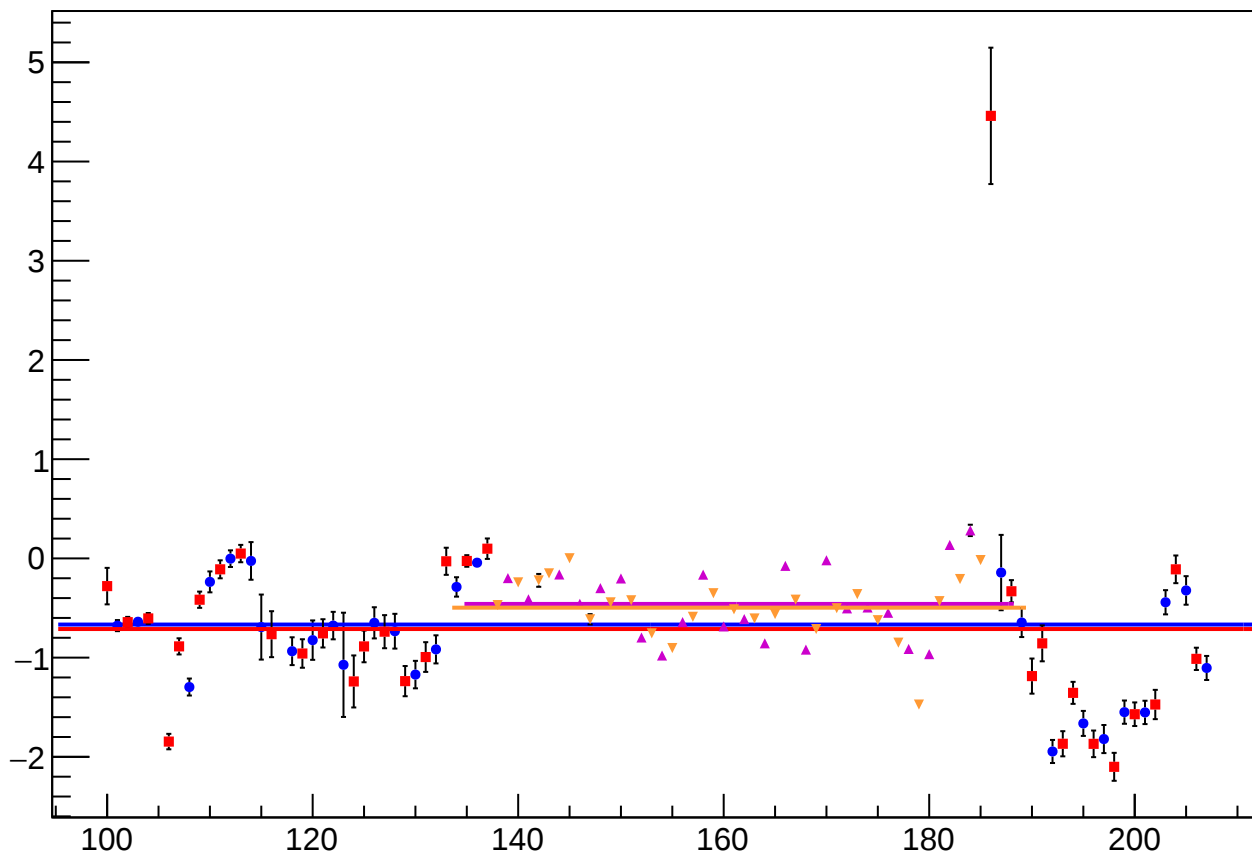
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF: 3321.8/22

+ sign 70.416 $\pm$ 0.154 χ^2 /NDF: 9737.9/51

All: 69.805 $\pm$ 0.110 χ^2 /NDF: 19223.3/105

- sign 69.168 $\pm$ 0.157 χ^2 /NDF: 9453.2/53

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.667 ± 0.020 χ^2/NDF : 746.1/26

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.712 ± 0.019 χ^2/NDF : 1077.7/30

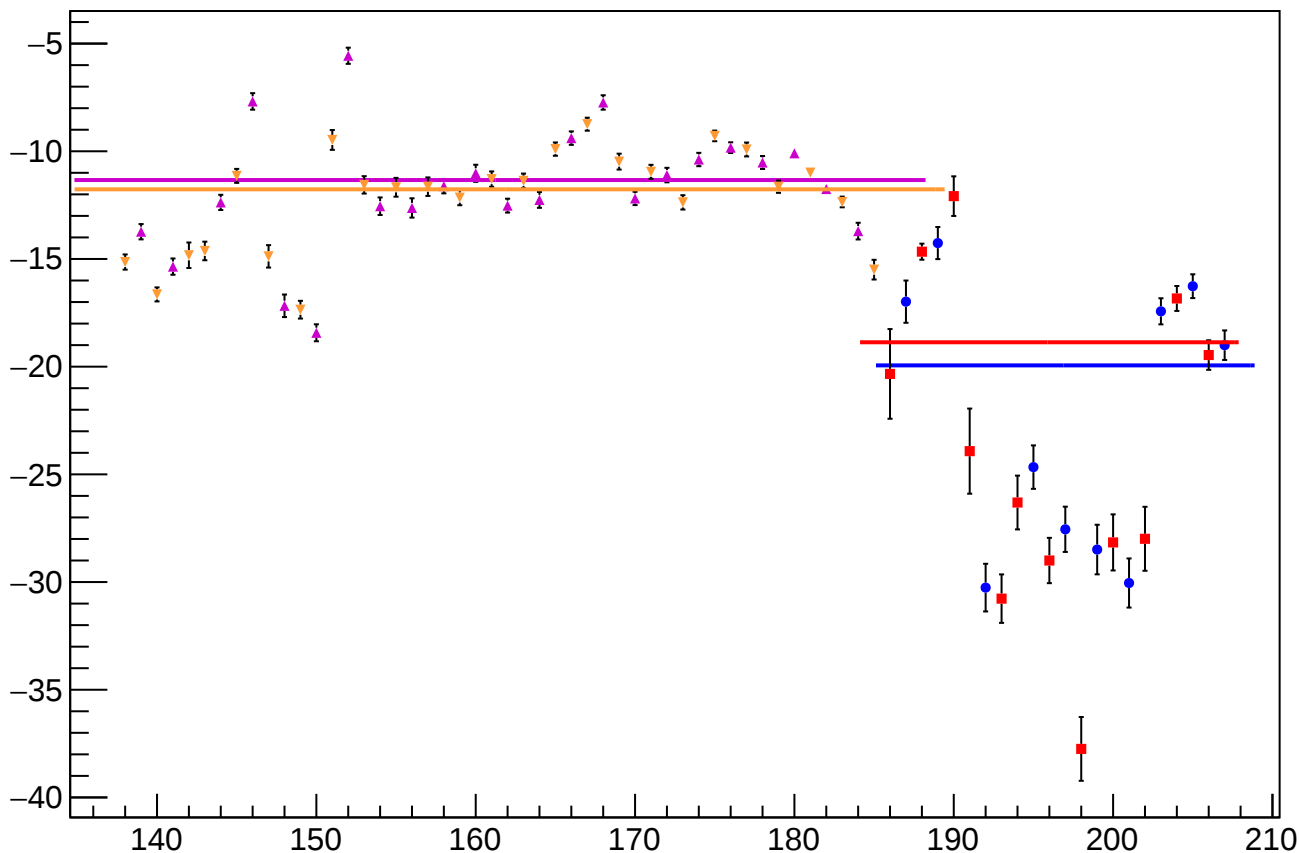
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.519 ± 0.007 χ^2/NDF : 2260.1/51

All: -0.507 ± 0.005 χ^2/NDF : 5456.0/105

- sign -0.495 ± 0.007 χ^2/NDF : 3190.5/53

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -19.941 ± 0.257 $\chi^2/\text{NDF}: 425.5/9$

Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$

Right Out: -18.868 ± 0.237 $\chi^2/\text{NDF}: 693.7/11$

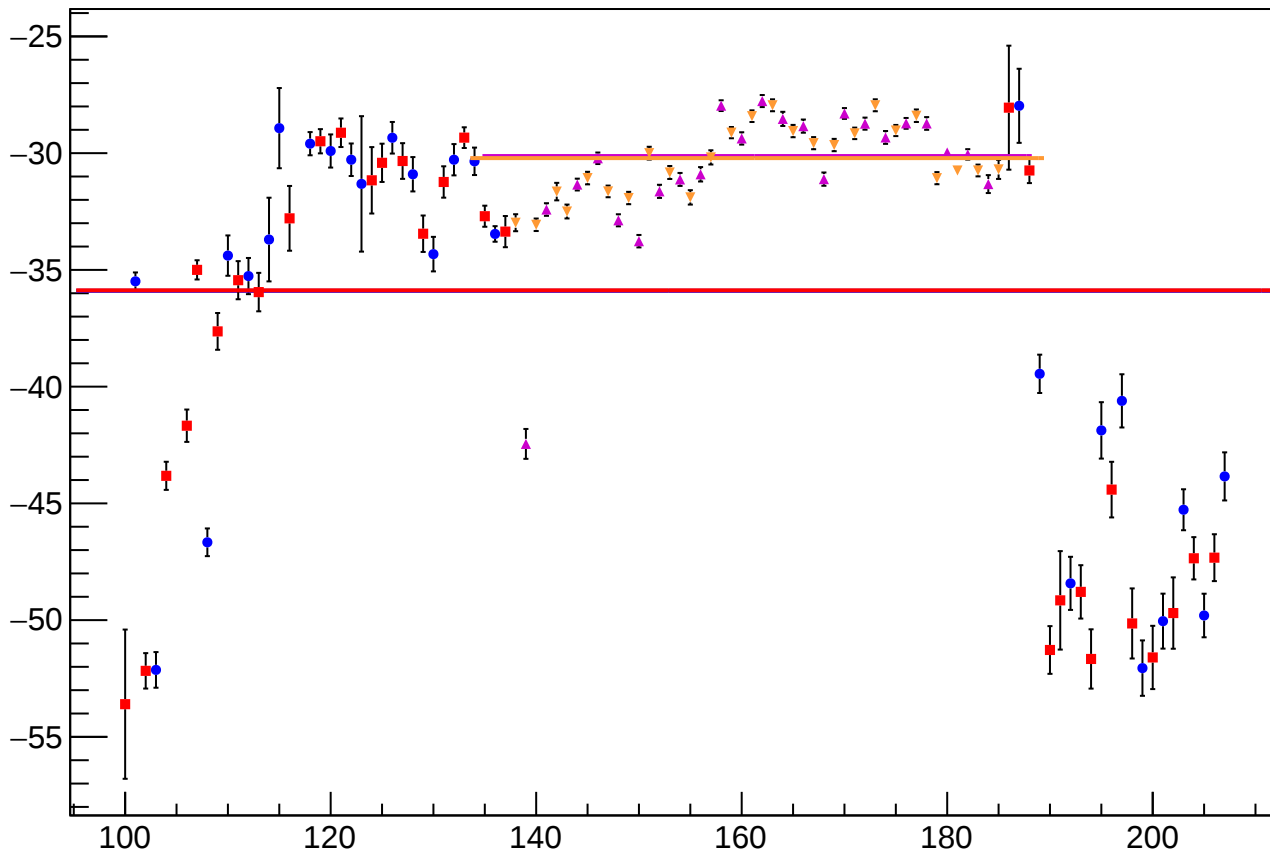
Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -12.284 ± 0.065 $\chi^2/\text{NDF}: 2397.4/34$

All: -12.100 ± 0.046 $\chi^2/\text{NDF}: 5311.3/69$

- sign -11.910 ± 0.065 $\chi^2/\text{NDF}: 2897.3/34$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -35.895 ± 0.138 χ^2/NDF : 2393.3/26

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -35.875 ± 0.136 χ^2/NDF : 2767.5/30

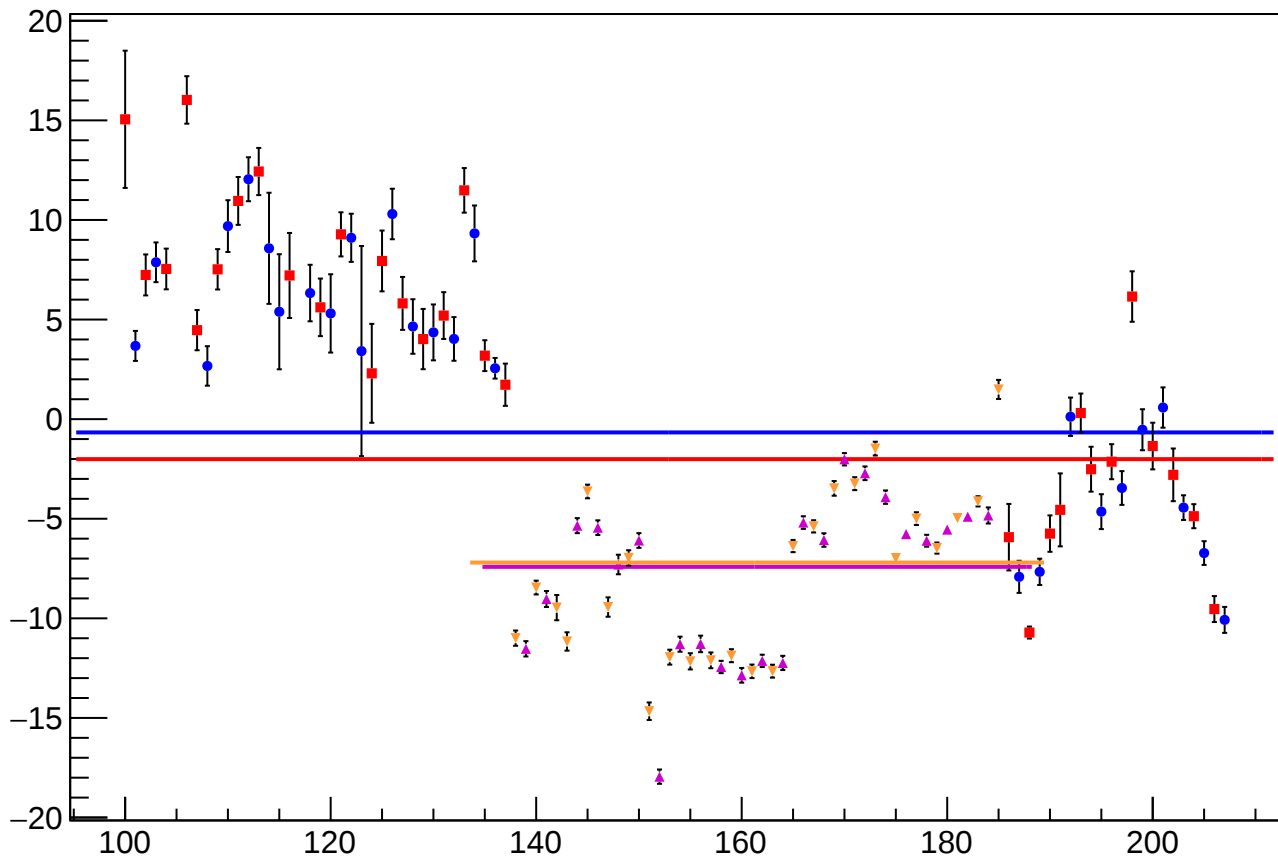
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.960 ± 0.050 χ^2/NDF : 4592.4/51

All: -30.954 ± 0.036 χ^2/NDF : 10125.3/105

- sign -30.948 ± 0.051 χ^2/NDF : 5532.9/53

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -0.667 ± 0.180 χ^2/NDF : 1215.3/26

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -2.008 ± 0.166 χ^2/NDF : 2371.6/30

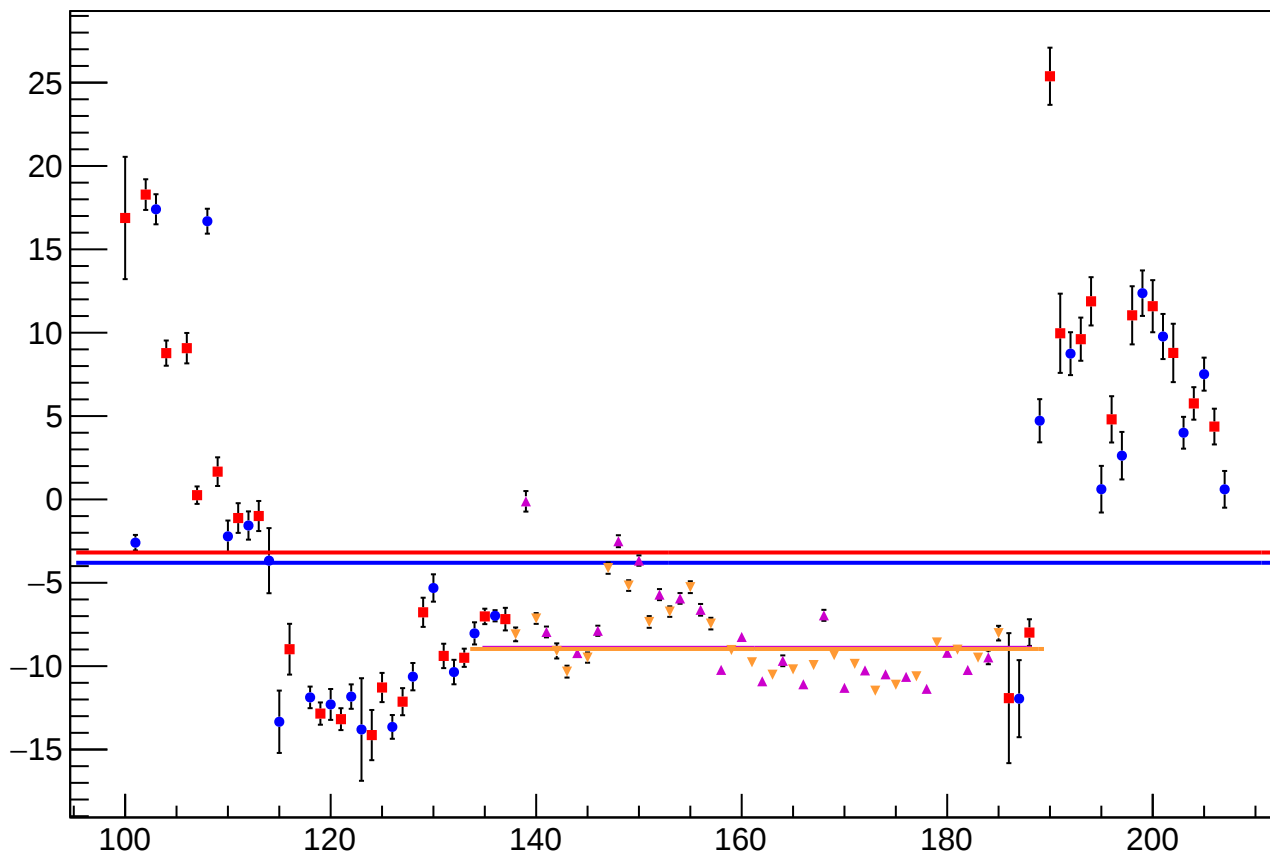
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.405 ± 0.063 χ^2/NDF : 5412.9/51

All: -6.522 ± 0.044 χ^2/NDF : 11824.8/105

- sign -6.640 ± 0.063 χ^2/NDF : 6404.9/53

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.800 ± 0.157 $\chi^2/\text{NDF}: 2825.6/26$

Left Out: -8.970 ± 0.060 $\chi^2/\text{NDF}: 878.8/24$

Right Out: -3.183 ± 0.158 $\chi^2/\text{NDF}: 3058.2/30$

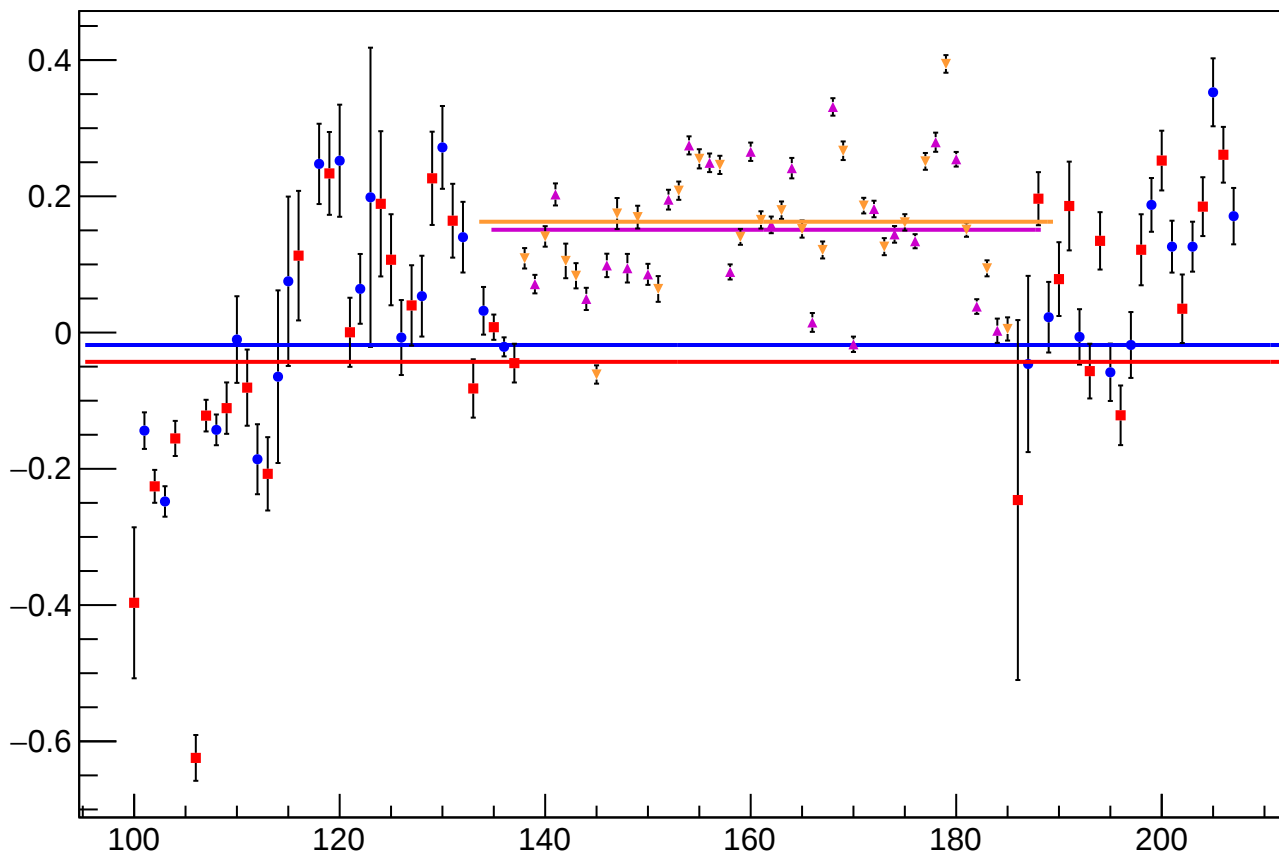
Left In: -8.900 ± 0.062 $\chi^2/\text{NDF}: 1533.9/22$

+ sign -8.308 ± 0.056 $\chi^2/\text{NDF}: 4650.3/51$

All: -8.228 ± 0.040 $\chi^2/\text{NDF}: 10383.2/105$

- sign -8.145 ± 0.057 $\chi^2/\text{NDF}: 5728.8/53$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.018 ± 0.007 χ^2/NDF : 374.5/26

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.043 ± 0.007 χ^2/NDF : 702.2/30

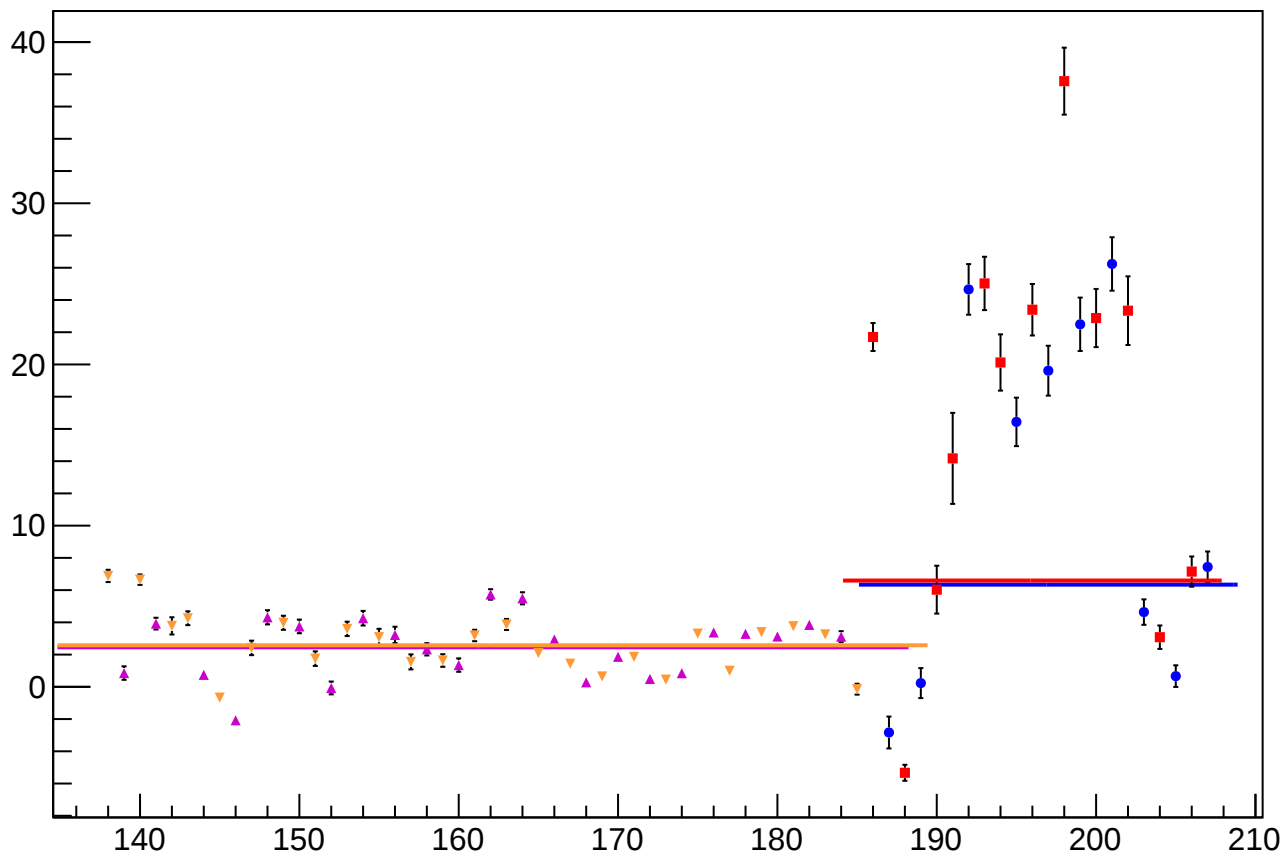
Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

+ sign 0.140 ± 0.003 χ^2/NDF : 1943.5/51

All: 0.133 ± 0.002 χ^2/NDF : 4582.5/105

- sign 0.126 ± 0.003 χ^2/NDF : 2623.7/53

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 6.340 ± 0.332 $\chi^2/\text{NDF}: 700.5/9$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 6.594 ± 0.304 $\chi^2/\text{NDF}: 1572.9/11$

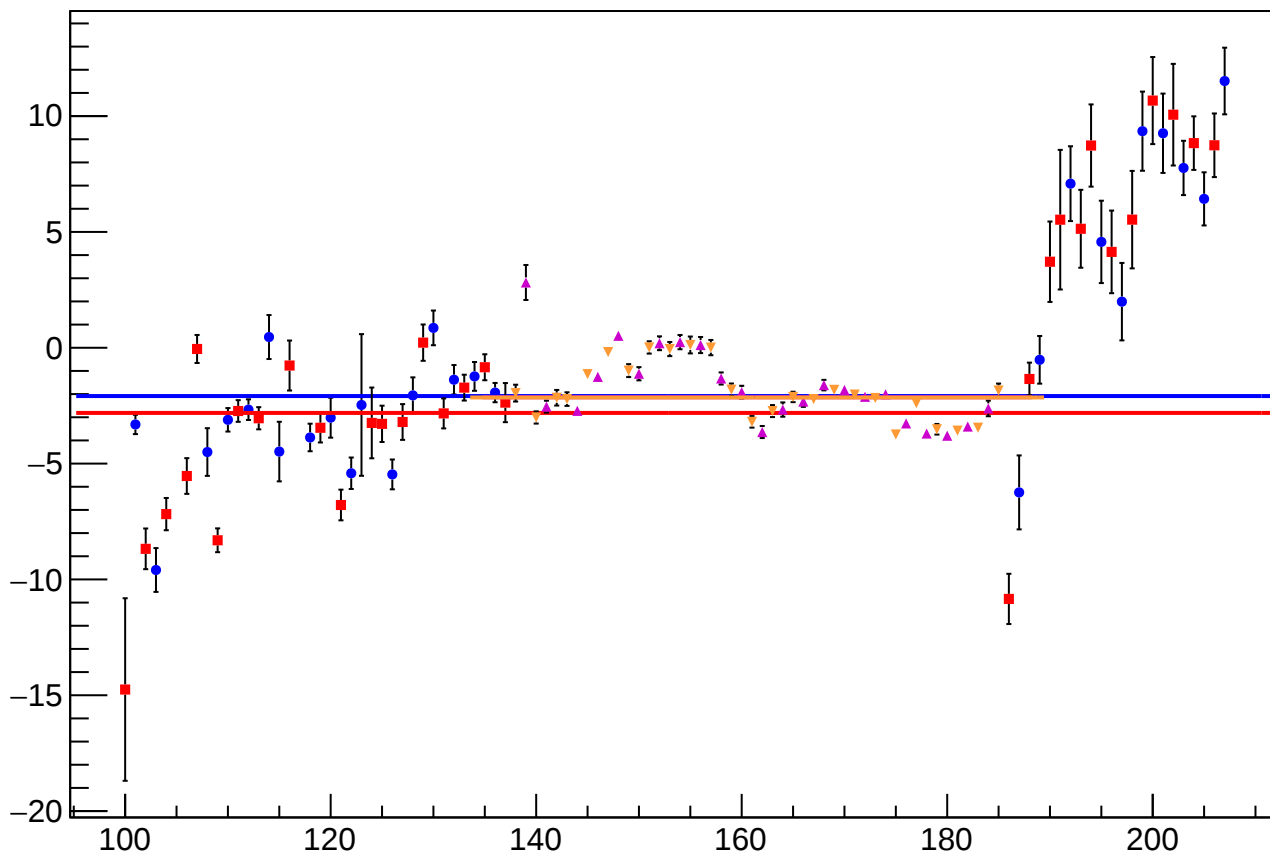
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.689 ± 0.057 $\chi^2/\text{NDF}: 1692.7/34$

All: 2.648 ± 0.041 $\chi^2/\text{NDF}: 4317.0/69$

- sign 2.605 ± 0.058 $\chi^2/\text{NDF}: 2623.3/34$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.085 ± 0.146 χ^2/NDF : 539.1/26

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -2.813 ± 0.144 χ^2/NDF : 748.7/30

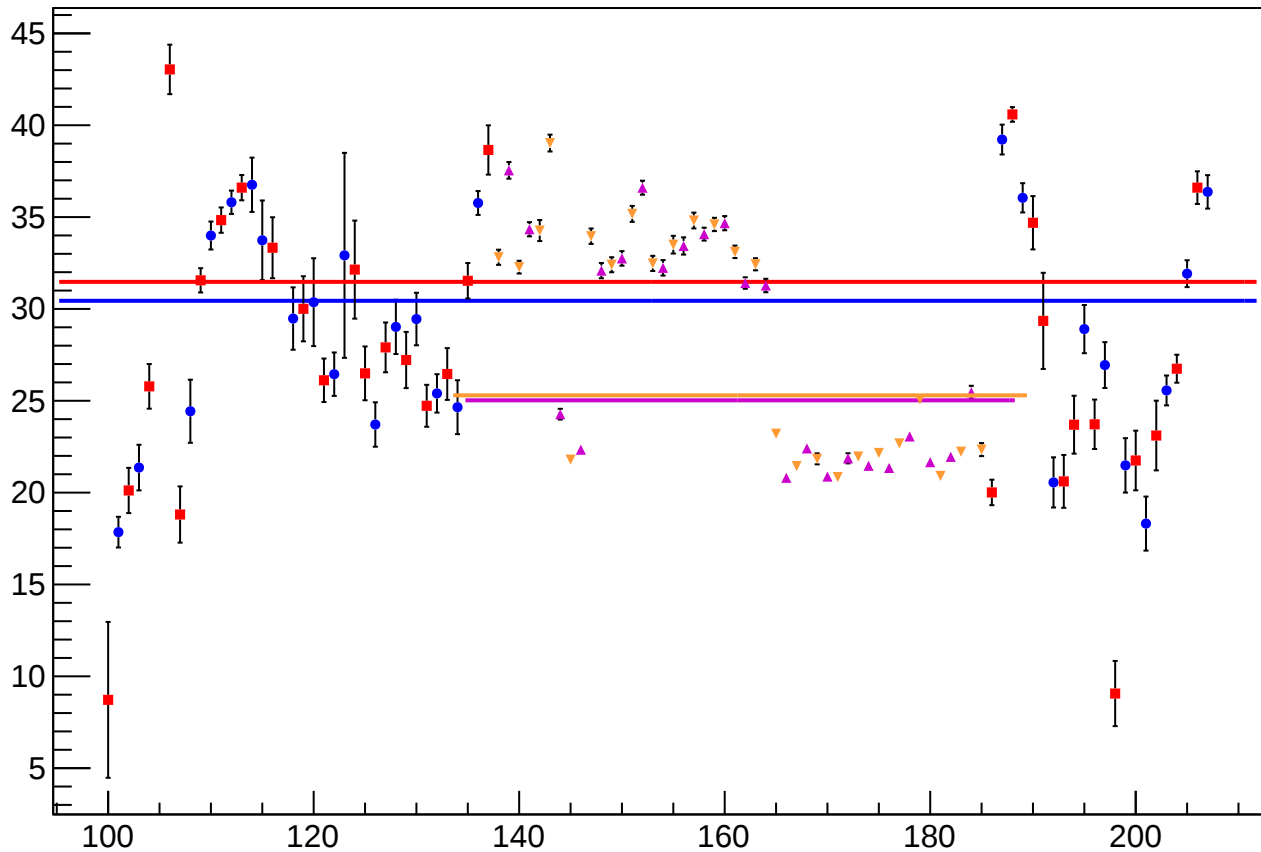
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.140 ± 0.045 χ^2/NDF : 1112.7/51

All: -2.172 ± 0.032 χ^2/NDF : 2573.3/105

- sign -2.205 ± 0.046 χ^2/NDF : 1459.7/53

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 30.443 $\pm$ 0.203 χ^2 /NDF: 972.1/26

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 31.474 $\pm$ 0.185 χ^2 /NDF: 1681.3/30

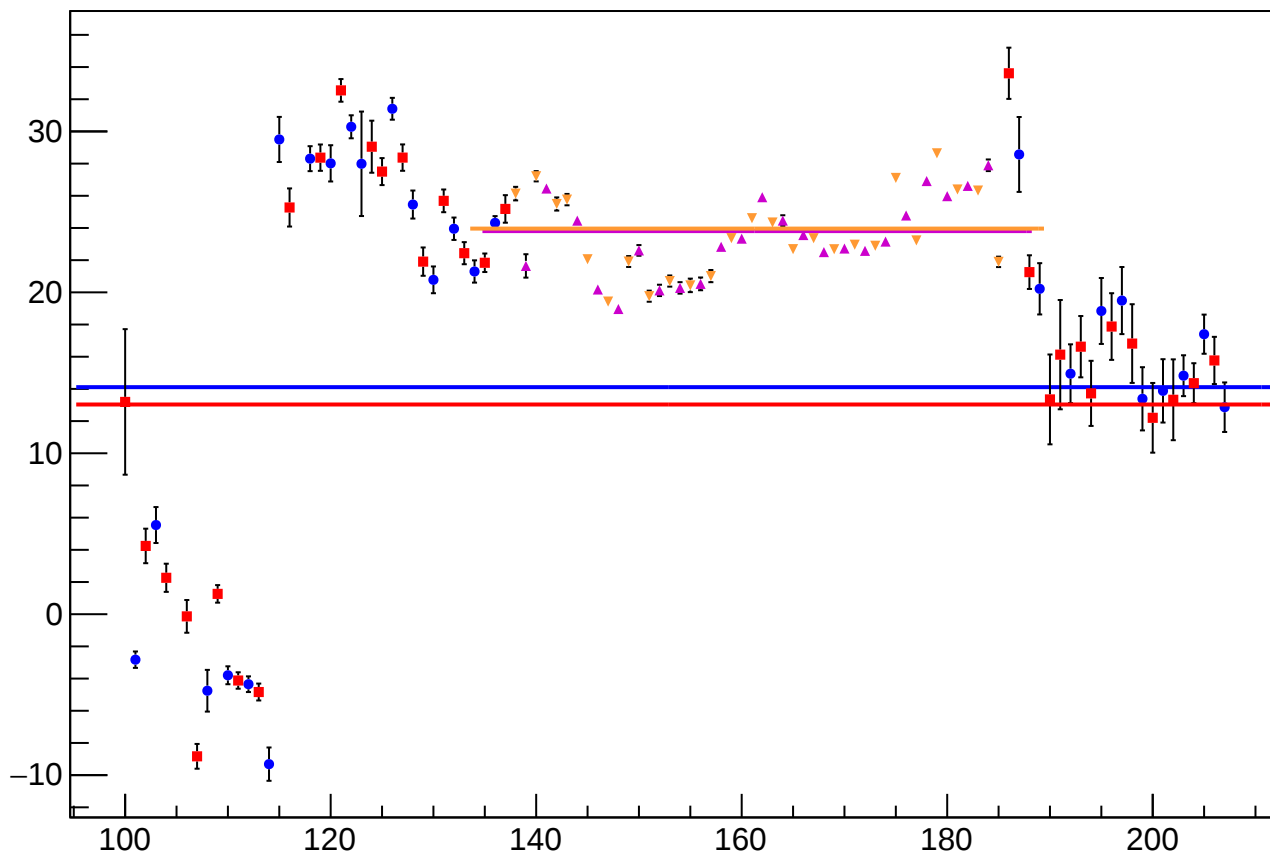
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.695 $\pm$ 0.057 χ^2 /NDF: 9838.2/51

All: 25.662 $\pm$ 0.040 χ^2 /NDF: 20227.4/105

- sign 25.629 $\pm$ 0.057 χ^2 /NDF: 10388.5/53

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.109 $\pm$ 0.164 χ^2 /NDF: 7351.4/26

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 13.031 $\pm$ 0.164 χ^2 /NDF: 7212.2/30

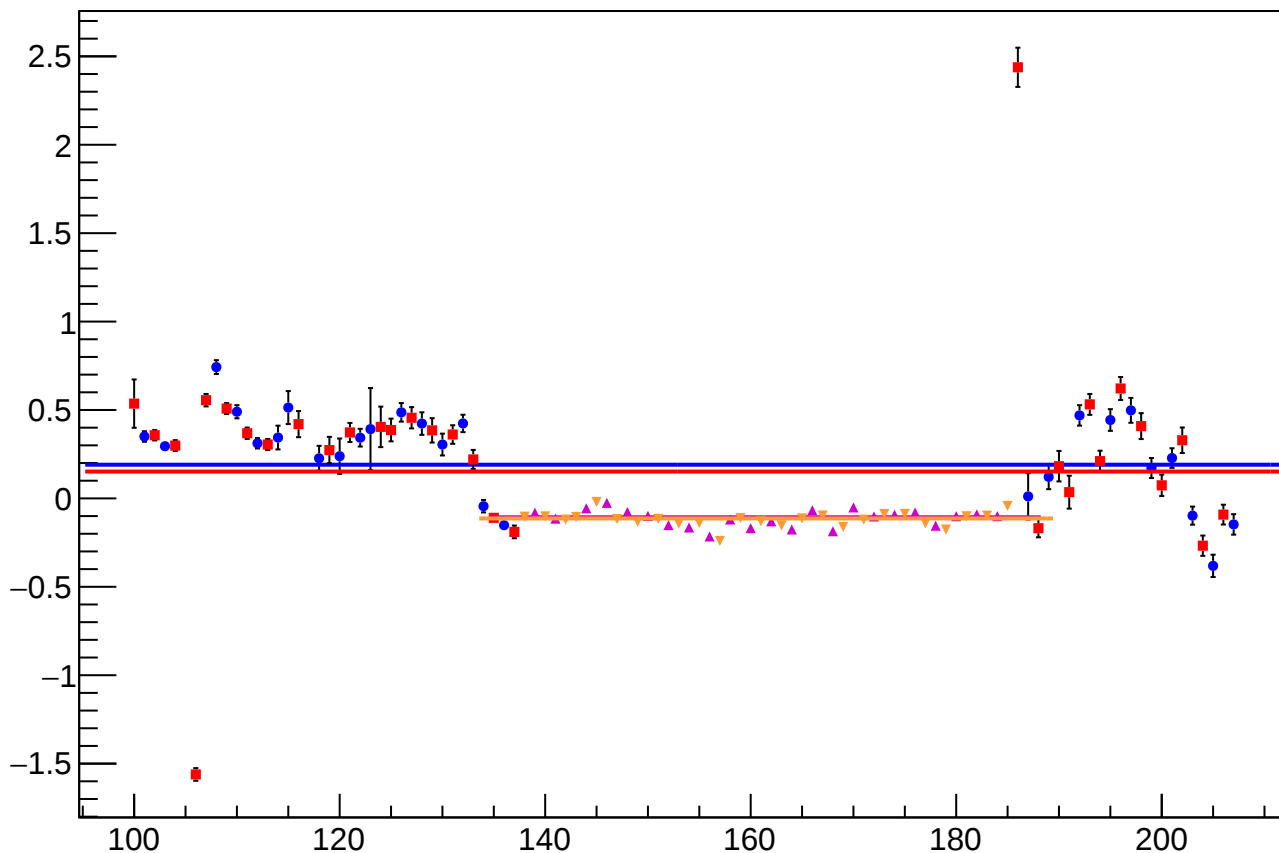
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.030 $\pm$ 0.051 χ^2 /NDF: 12524.9/51

All: 22.895 $\pm$ 0.036 χ^2 /NDF: 25385.5/105

- sign 22.755 $\pm$ 0.051 χ^2 /NDF: 12846.2/53

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.191 ± 0.008 χ^2/NDF : 1059.5/26

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.152 ± 0.008 χ^2/NDF : 3667.1/30

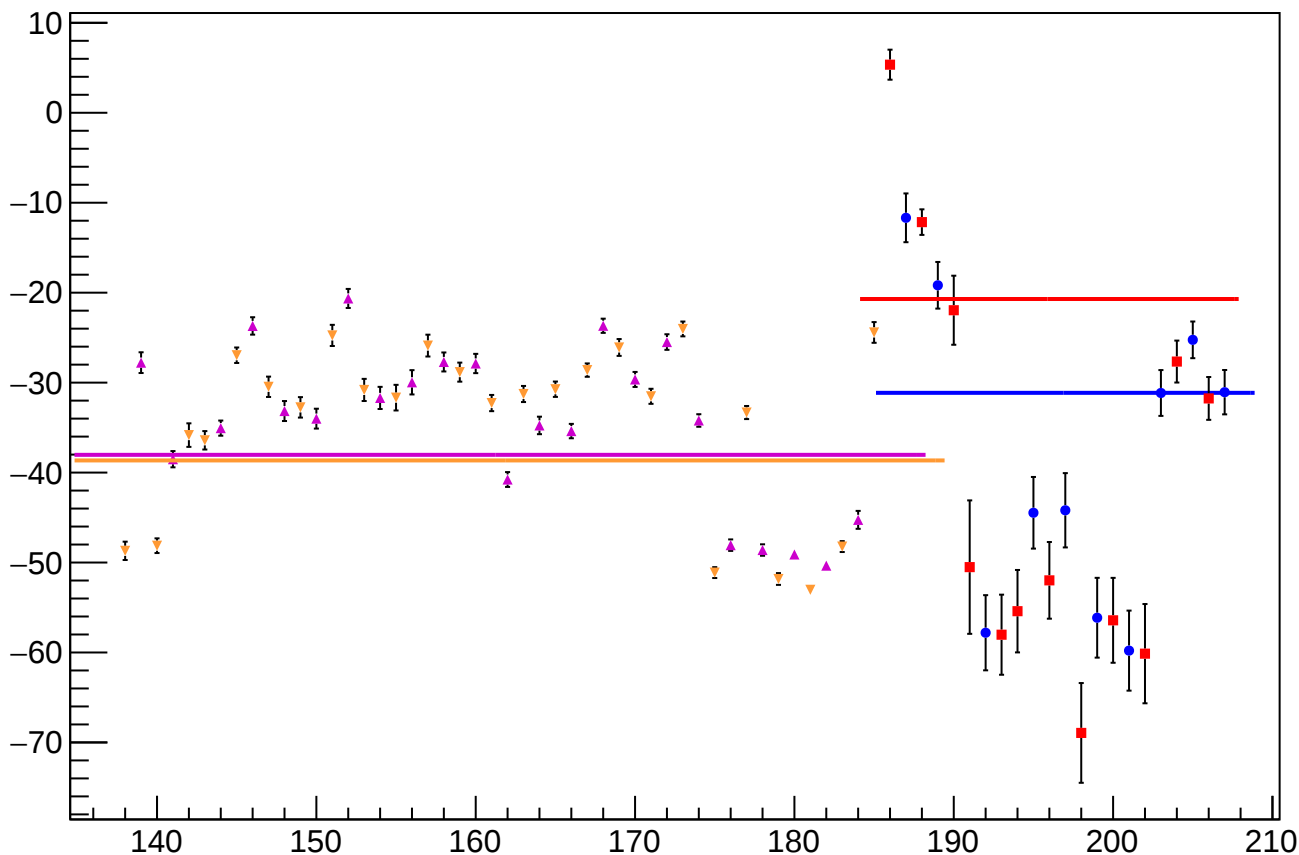
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.090 ± 0.002 χ^2/NDF : 2542.2/51

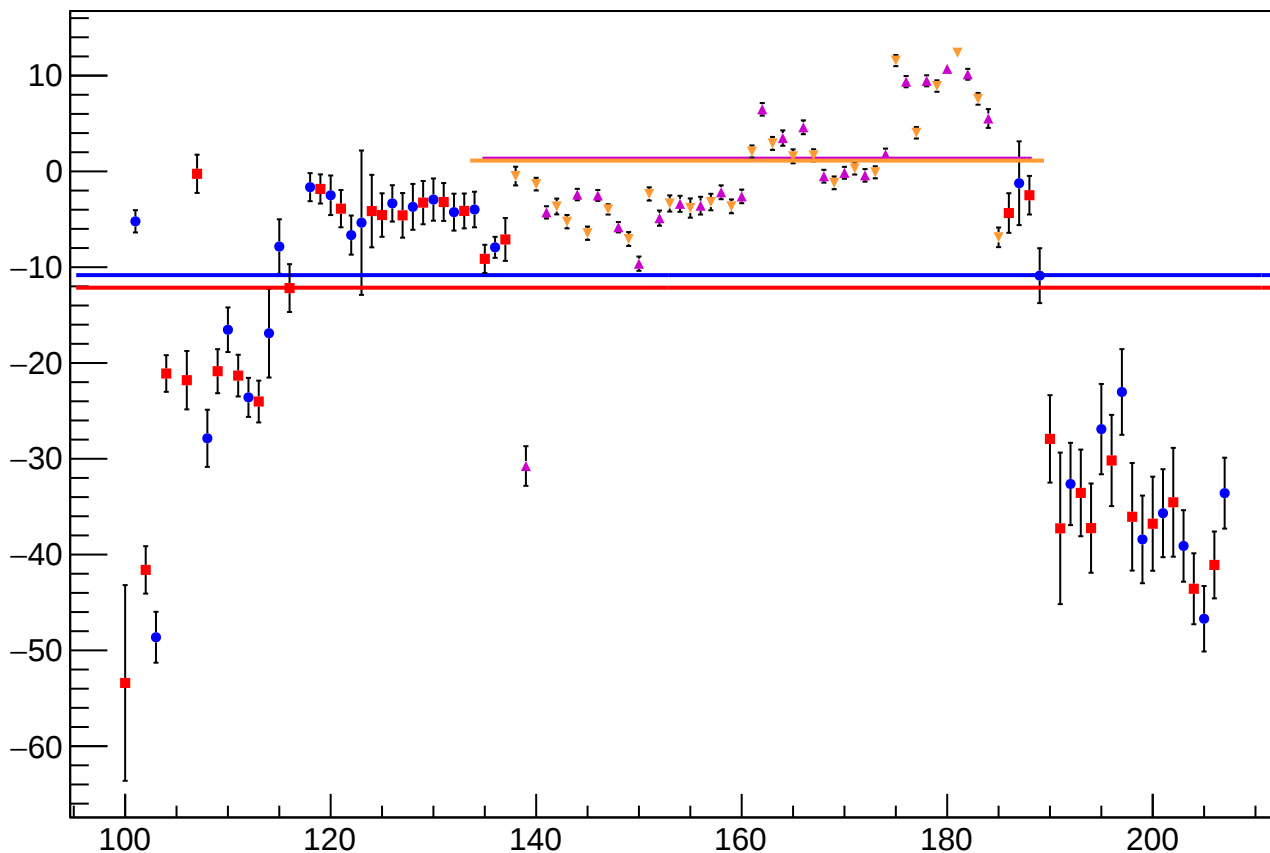
All: -0.088 ± 0.002 χ^2/NDF : 7428.5/105

- sign -0.086 ± 0.002 χ^2/NDF : 4884.1/53

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -10.828 ± 0.437 χ^2/NDF : 756.8/26

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -12.139 ± 0.444 χ^2/NDF : 766.6/30

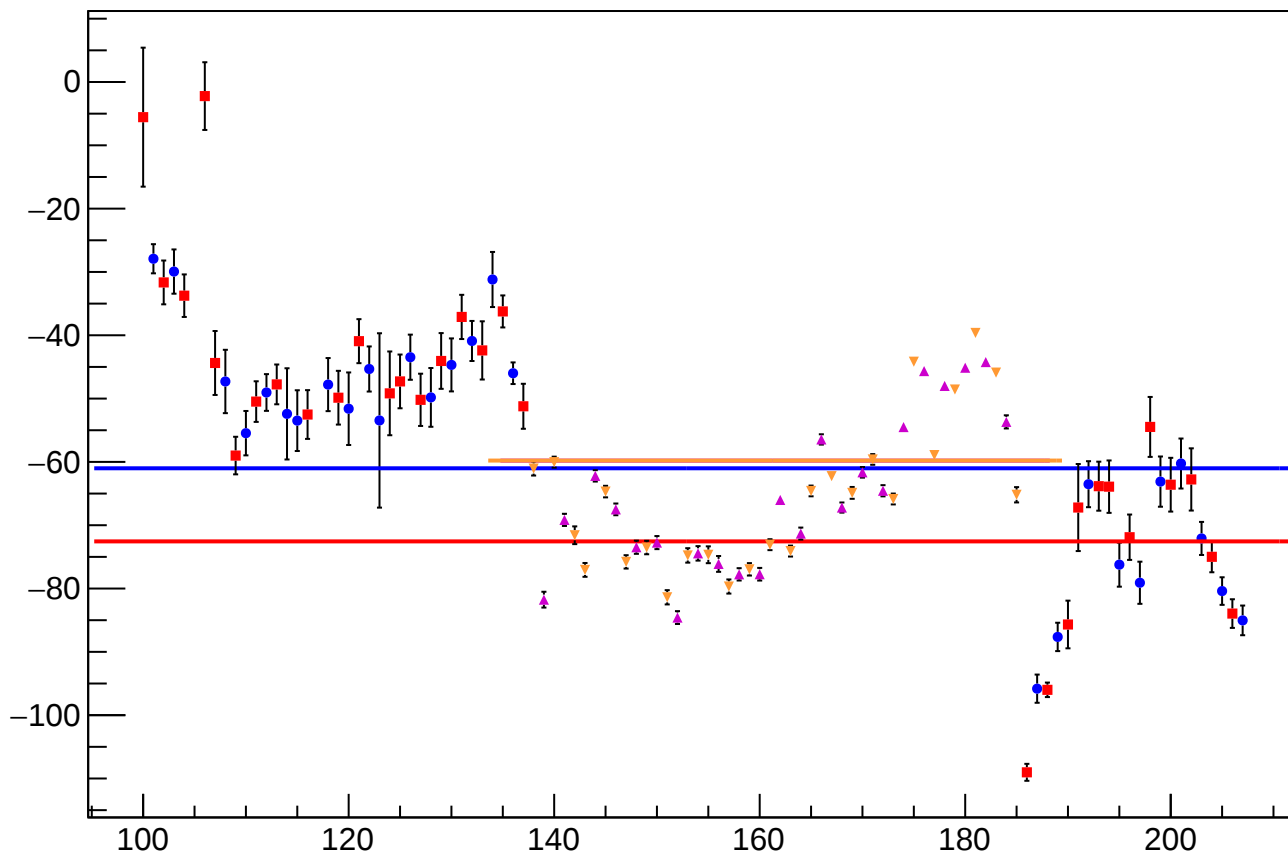
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.073 ± 0.130 χ^2/NDF : 3239.5/51

All: 0.092 ± 0.093 χ^2/NDF : 6892.3/105

- sign 0.112 ± 0.133 χ^2/NDF : 3652.7/53

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -61.008 ± 0.604 χ^2/NDF : 1196.2/26

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -72.554 ± 0.539 χ^2/NDF : 2524.2/30

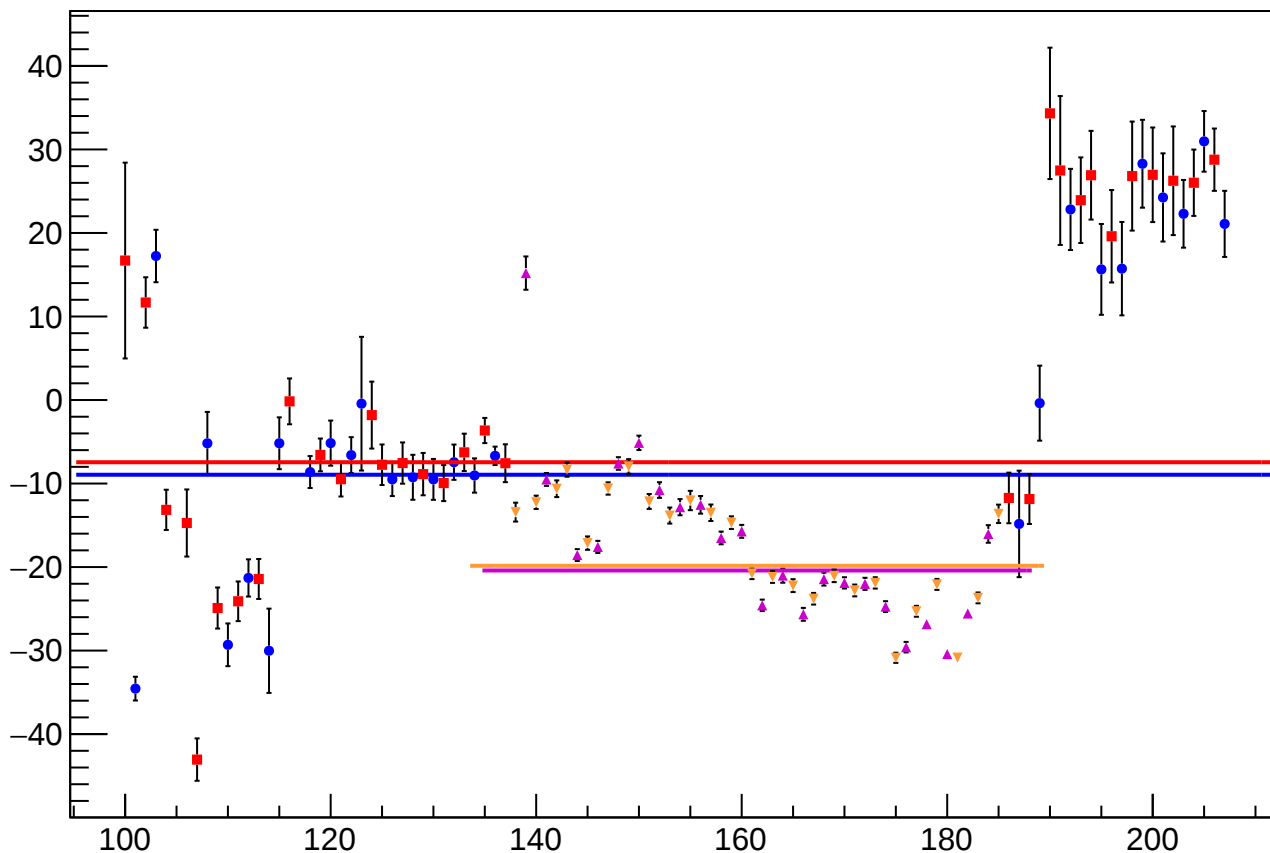
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -59.878 ± 0.164 χ^2/NDF : 7037.7/51

All: -60.434 ± 0.116 χ^2/NDF : 15310.5/105

- sign -60.998 ± 0.165 χ^2/NDF : 8249.6/53

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -8.946 ± 0.494 χ^2/NDF : 932.1/26

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -7.448 ± 0.512 χ^2/NDF : 809.7/30

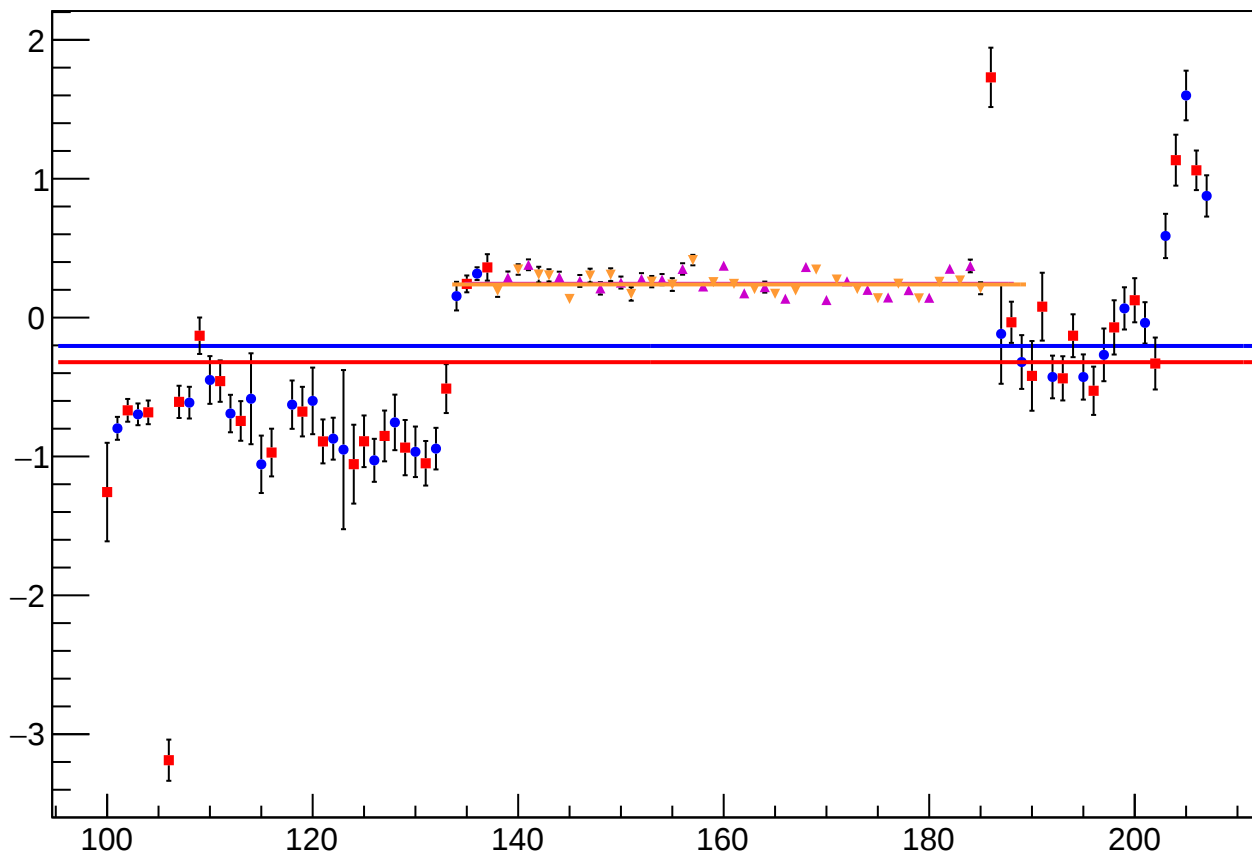
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -18.896 ± 0.146 χ^2/NDF : 3308.0/51

All: -19.092 ± 0.105 χ^2/NDF : 7010.2/105

- sign -19.299 ± 0.150 χ^2/NDF : 3698.4/53

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.204 ± 0.025 χ^2/NDF : 573.5/26

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.321 ± 0.025 χ^2/NDF : 927.4/30

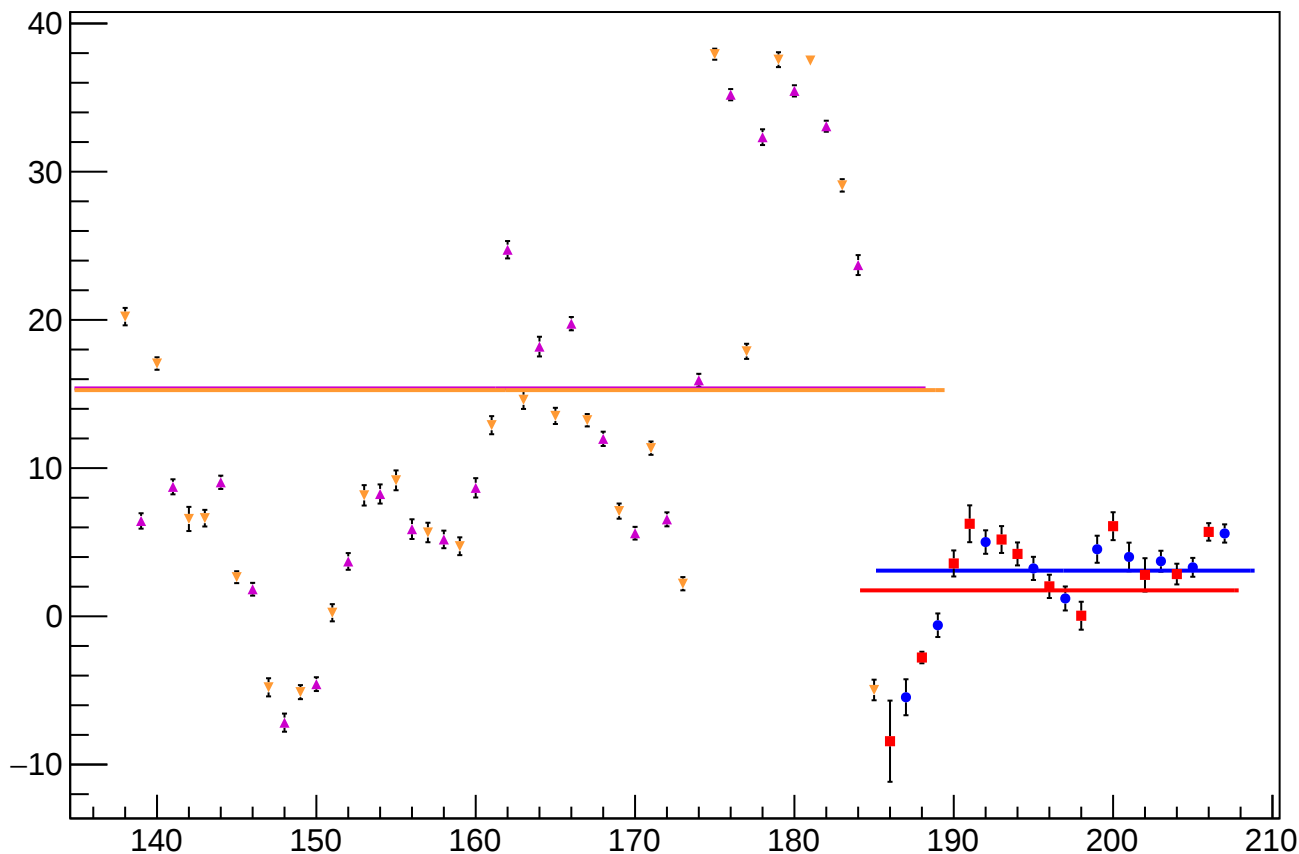
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.205 ± 0.007 χ^2/NDF : 967.8/51

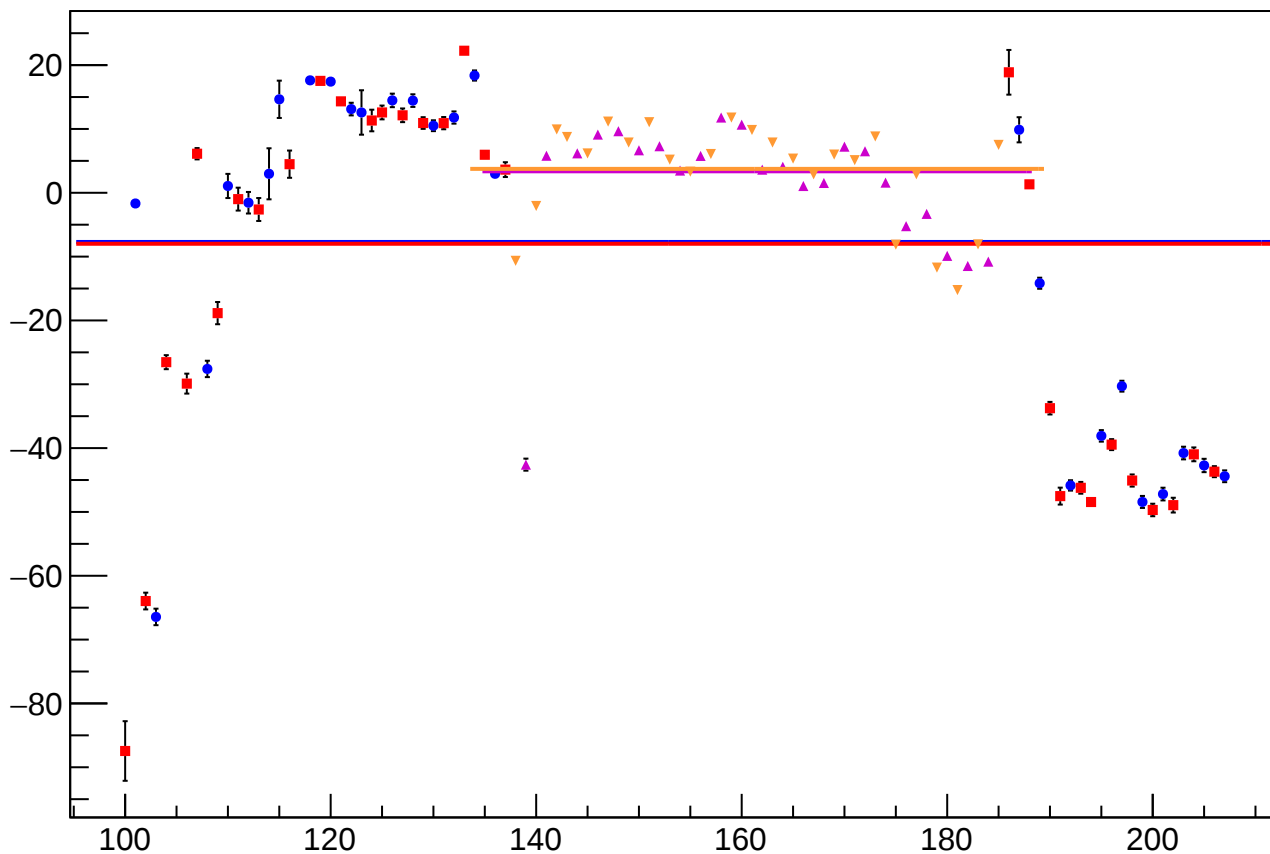
All: 0.203 ± 0.005 χ^2/NDF : 2506.9/105

- sign 0.200 ± 0.007 χ^2/NDF : 1538.8/53

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -7.706 ± 0.177 χ^2/NDF : 21714.5/26

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -7.986 ± 0.167 χ^2/NDF : 27506.4/30

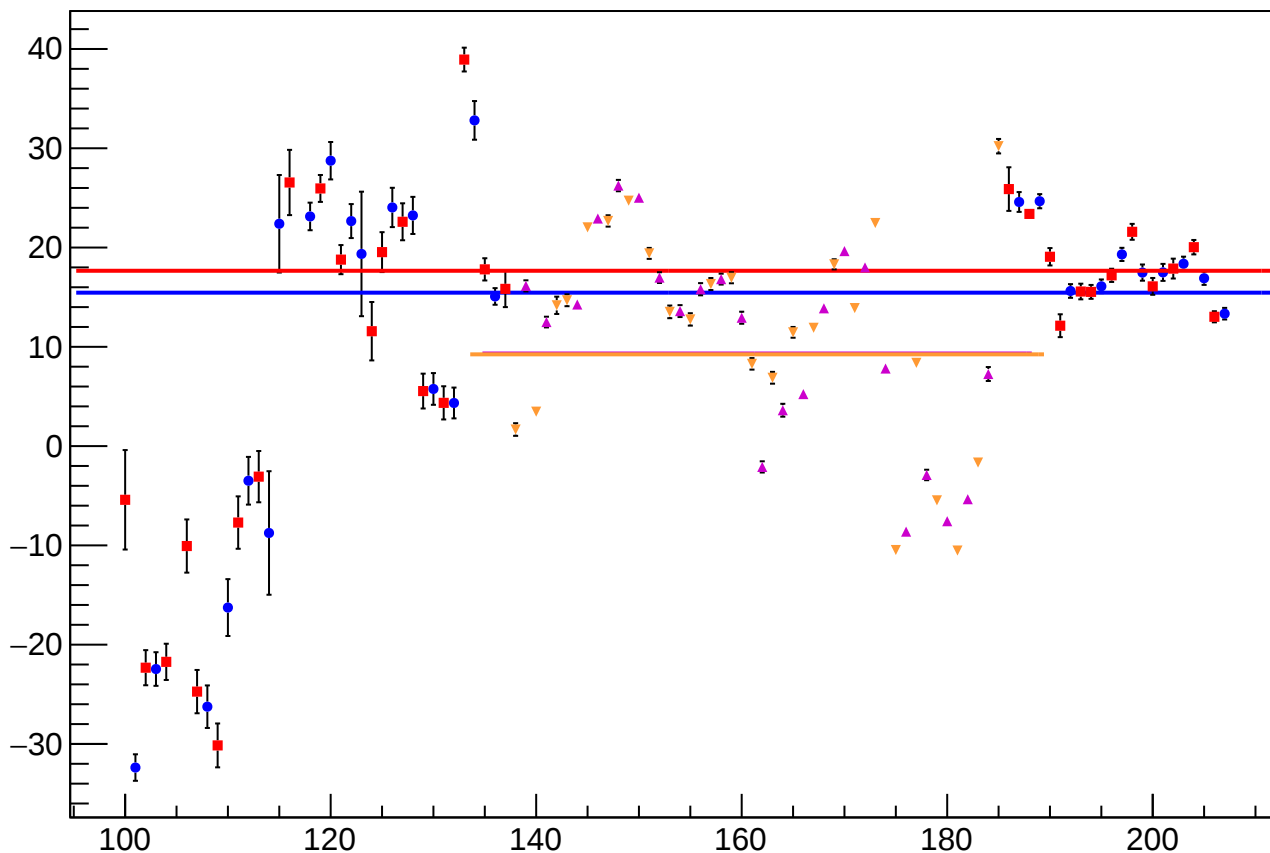
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 1.854 ± 0.072 χ^2/NDF : 34455.5/51

All: 1.527 ± 0.051 χ^2/NDF : 74270.6/105

- sign 1.191 ± 0.073 χ^2/NDF : 39773.2/53

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 15.455 $\pm$ 0.200 χ^2 /NDF: 2999.9/26

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 17.661 $\pm$ 0.174 χ^2 /NDF: 3084.7/30

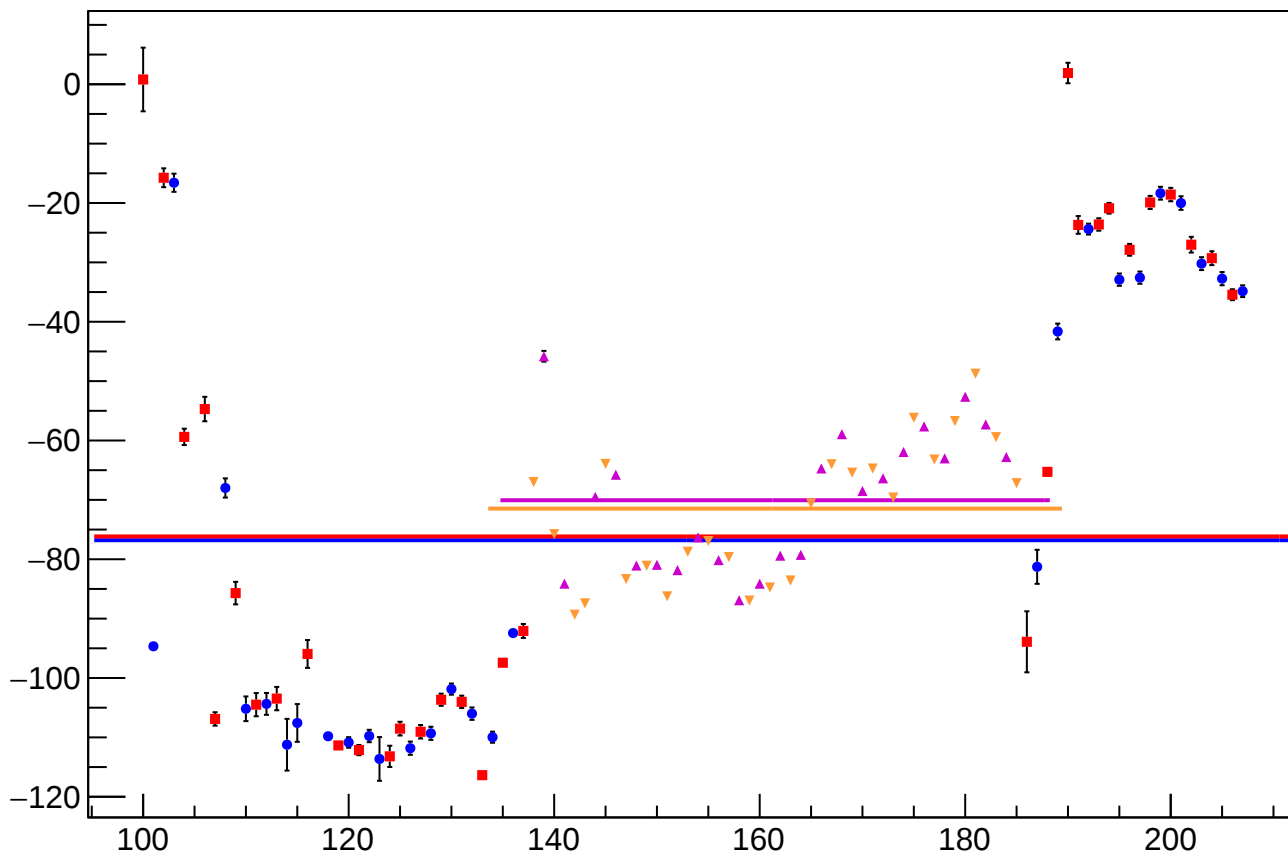
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.508 $\pm$ 0.090 χ^2 /NDF: 17405.3/51

All: 11.000 $\pm$ 0.063 χ^2 /NDF: 34217.5/105

- sign 11.474 $\pm$ 0.088 χ^2 /NDF: 16753.6/53

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -76.794 ± 0.205 χ^2/NDF : 31506.3/26

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -76.157 ± 0.196 χ^2/NDF : 39697.0/30

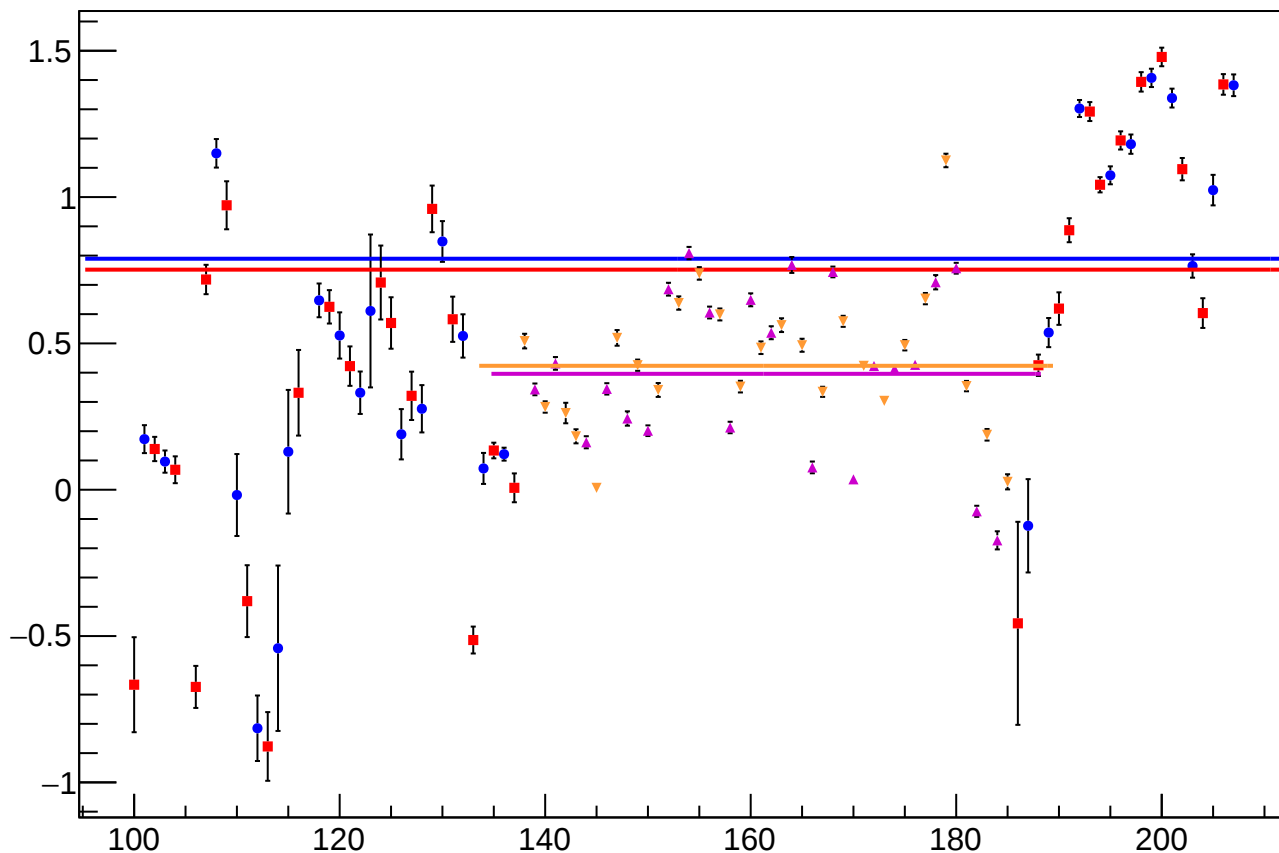
Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

+ sign -72.318 ± 0.082 χ^2/NDF : 48486.2/51

All: -71.745 ± 0.058 χ^2/NDF : 102133.4/105

- sign -71.154 ± 0.083 χ^2/NDF : 53547.5/53

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.789 $\pm$ 0.009 χ^2 /NDF: 3634.0/26

Left Out: 0.424 $\pm$ 0.004 χ^2 /NDF: 2885.0/24

Right Out: 0.752 $\pm$ 0.008 χ^2 /NDF: 4820.9/30

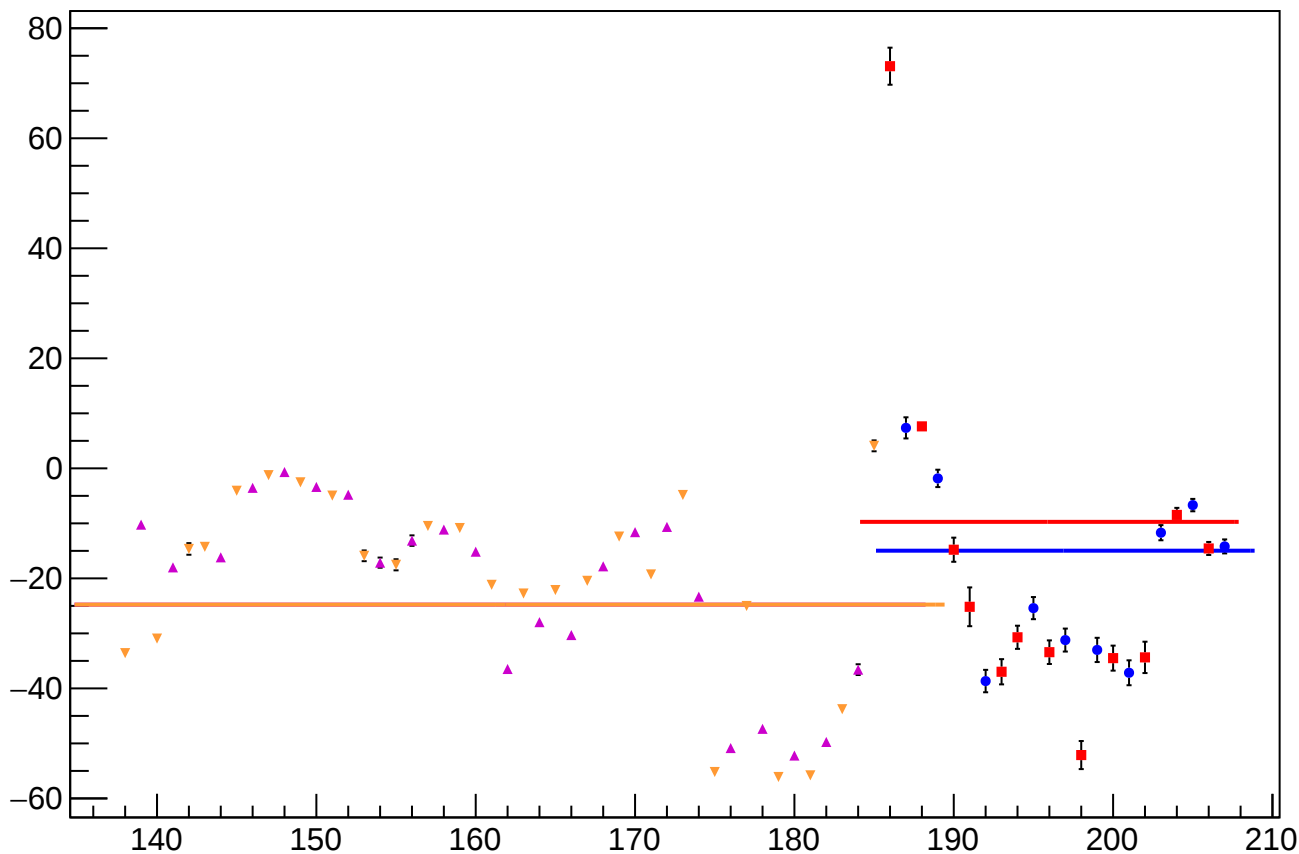
Left In: 0.396 $\pm$ 0.004 χ^2 /NDF: 4051.5/22

+ sign 0.488 $\pm$ 0.004 χ^2 /NDF: 7927.4/51

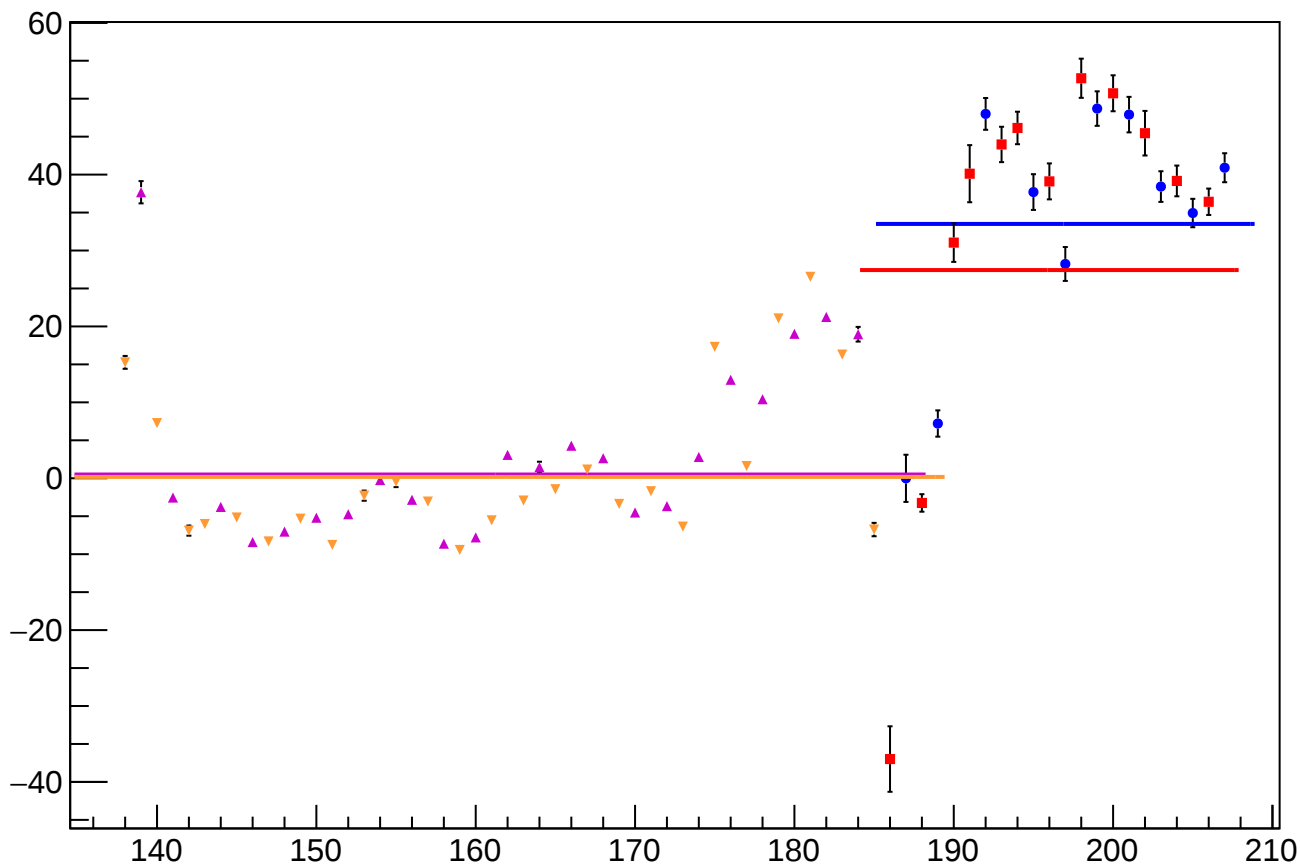
All: 0.478 $\pm$ 0.003 χ^2 /NDF: 18276.2/105

- sign 0.467 $\pm$ 0.004 χ^2 /NDF: 10333.3/53

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 33.503 $\pm$ 0.670 χ^2 /NDF: 507.2/9

Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF: 8295.6/24

Right Out: 27.425 $\pm$ 0.616 χ^2 /NDF: 1386.6/11

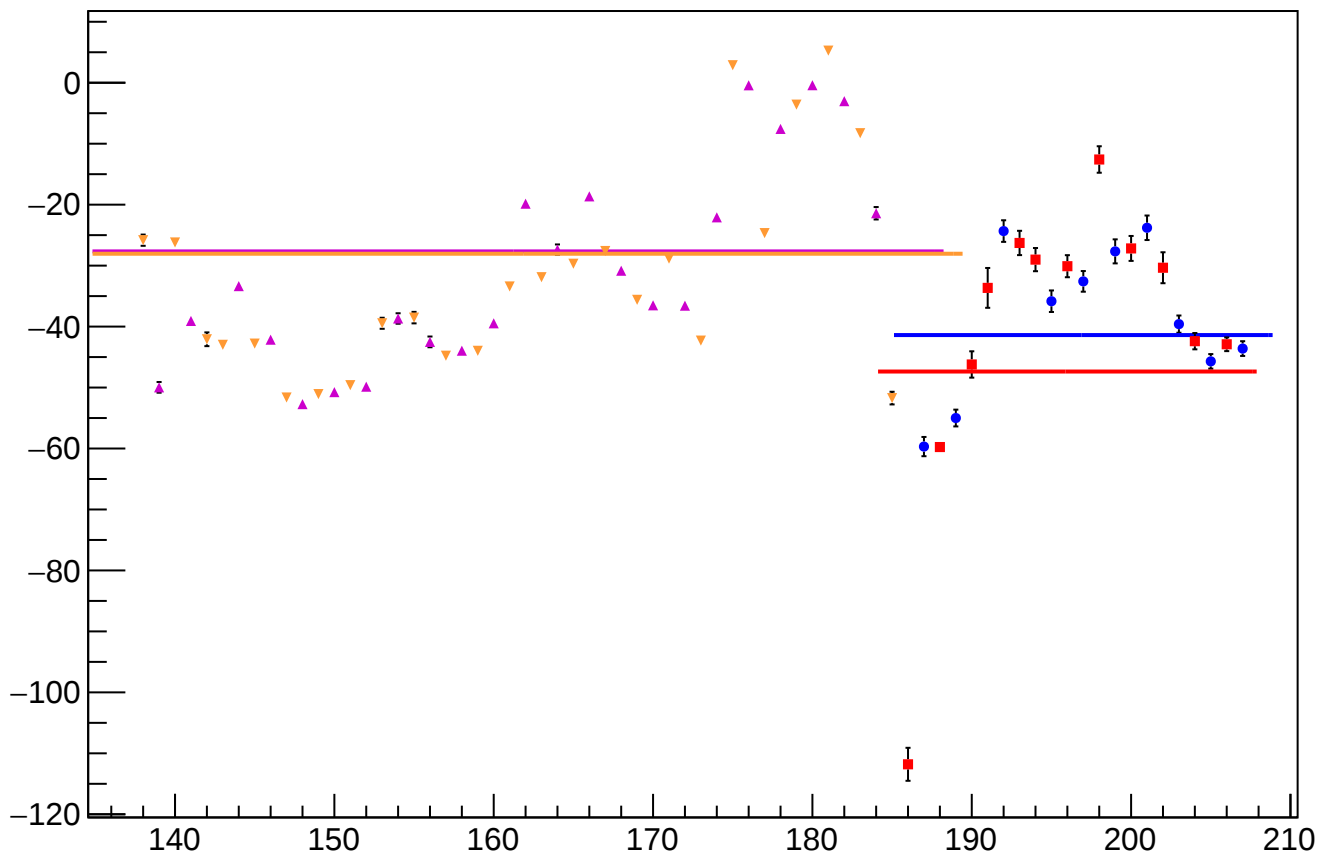
Left In: 0.493 $\pm$ 0.112 χ^2 /NDF: 6555.4/22

+ sign 1.029 $\pm$ 0.107 χ^2 /NDF: 11213.6/34

All: 1.188 $\pm$ 0.077 χ^2 /NDF: 21008.2/69

- sign 1.356 $\pm$ 0.110 χ^2 /NDF: 9790.1/34

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -41.391 ± 0.482 $\chi^2/\text{NDF}: 504.9/9$

Left Out: -28.050 ± 0.140 $\chi^2/\text{NDF}: 17144.5/24$

Right Out: -47.372 ± 0.422 $\chi^2/\text{NDF}: 1675.8/11$

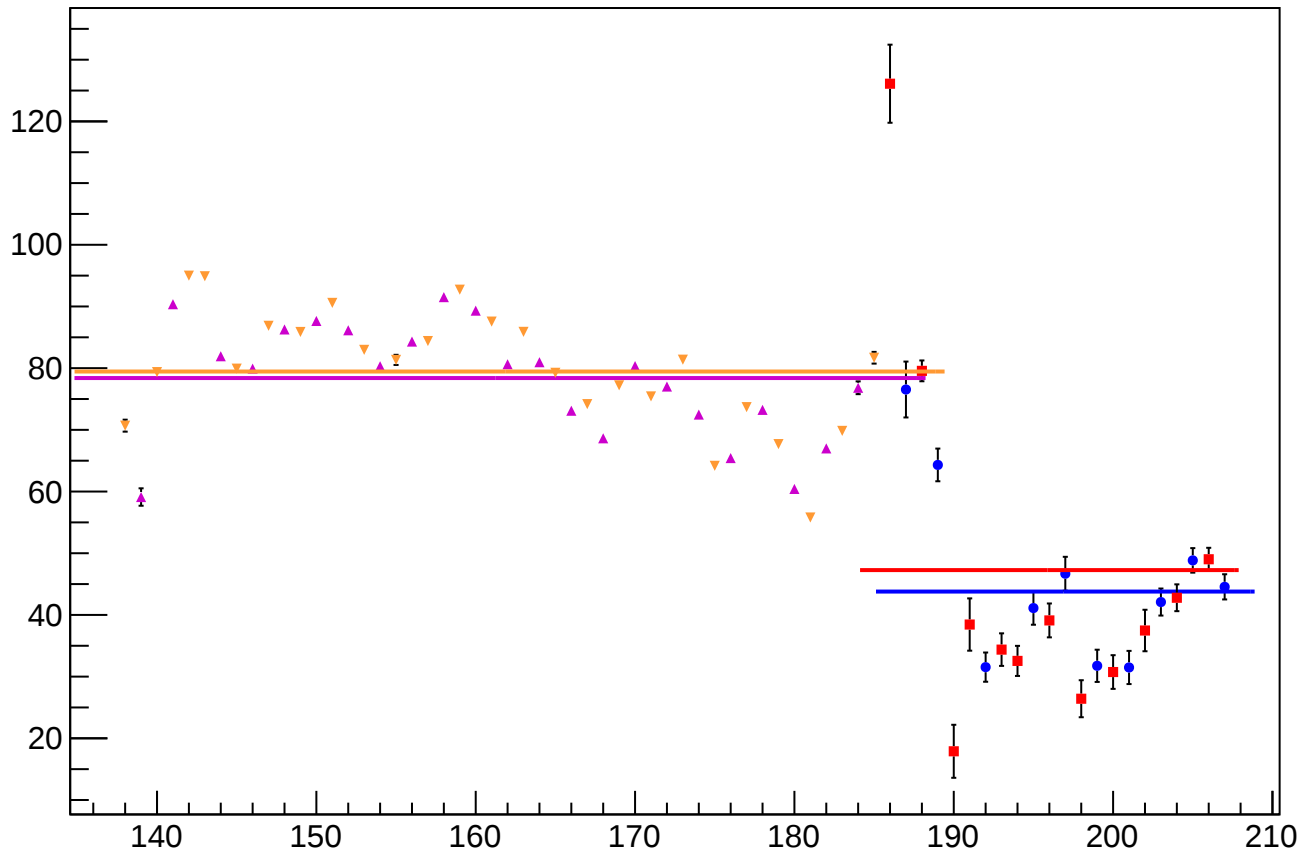
Left In: -27.666 ± 0.142 $\chi^2/\text{NDF}: 15003.2/22$

+ sign -29.087 ± 0.134 $\chi^2/\text{NDF}: 18356.8/34$

All: -29.384 ± 0.095 $\chi^2/\text{NDF}: 37004.1/69$

- sign -29.683 ± 0.135 $\chi^2/\text{NDF}: 18637.5/34$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 43.788 ± 0.784 χ^2/NDF : 190.5/9

Left Out: 79.456 ± 0.123 χ^2/NDF : 6077.1/24

Right Out: 47.266 ± 0.752 χ^2/NDF : 740.7/11

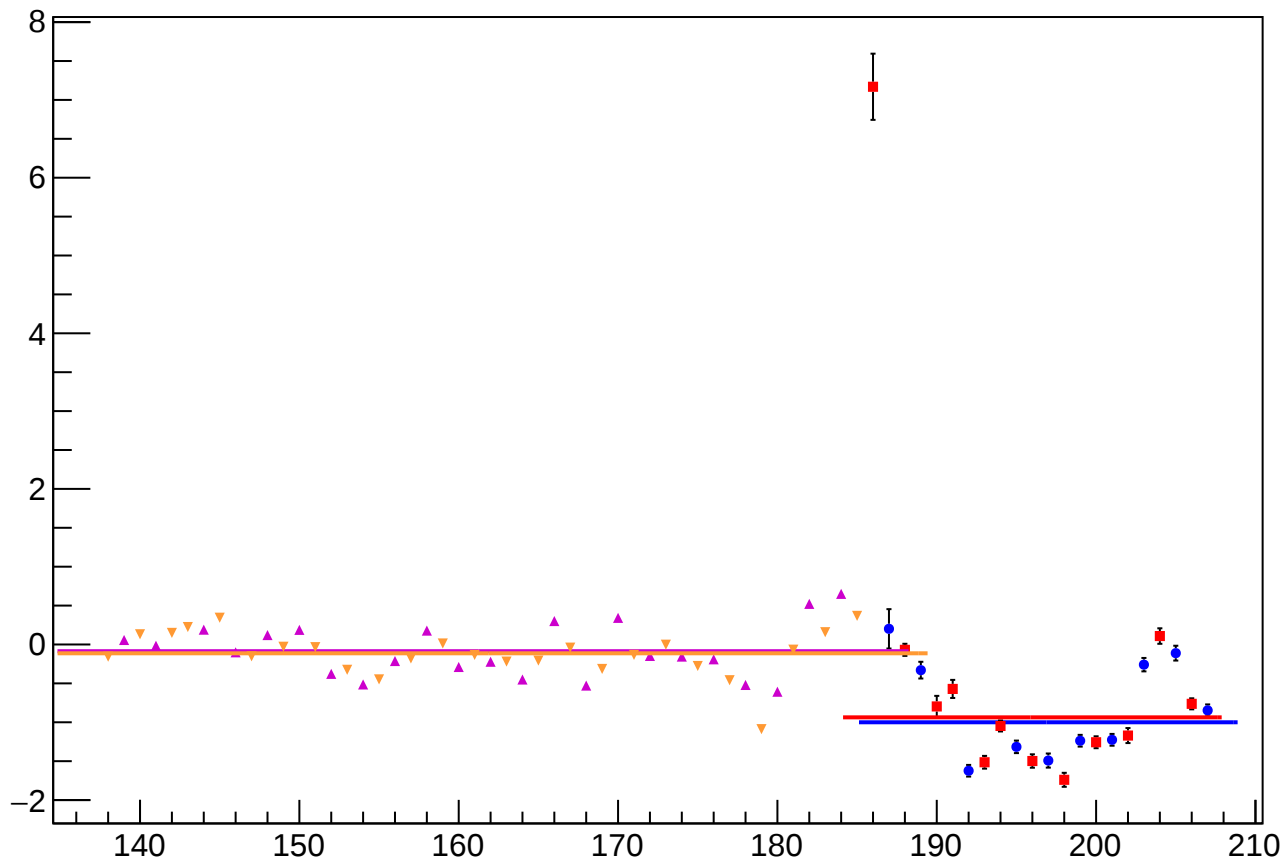
Left In: 78.396 ± 0.127 χ^2/NDF : 4707.3/22

+ sign 78.597 ± 0.122 χ^2/NDF : 8285.4/34

All: 78.082 ± 0.087 χ^2/NDF : 15434.7/69

- sign 77.537 ± 0.125 χ^2/NDF : 7112.3/34

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -1.000+/-0.028 χ^2/NDF : 358.7/9

Left Out: -0.113+/-0.006 χ^2/NDF : 2303.1/24

Right Out: -0.937+/-0.026 χ^2/NDF : 811.9/11

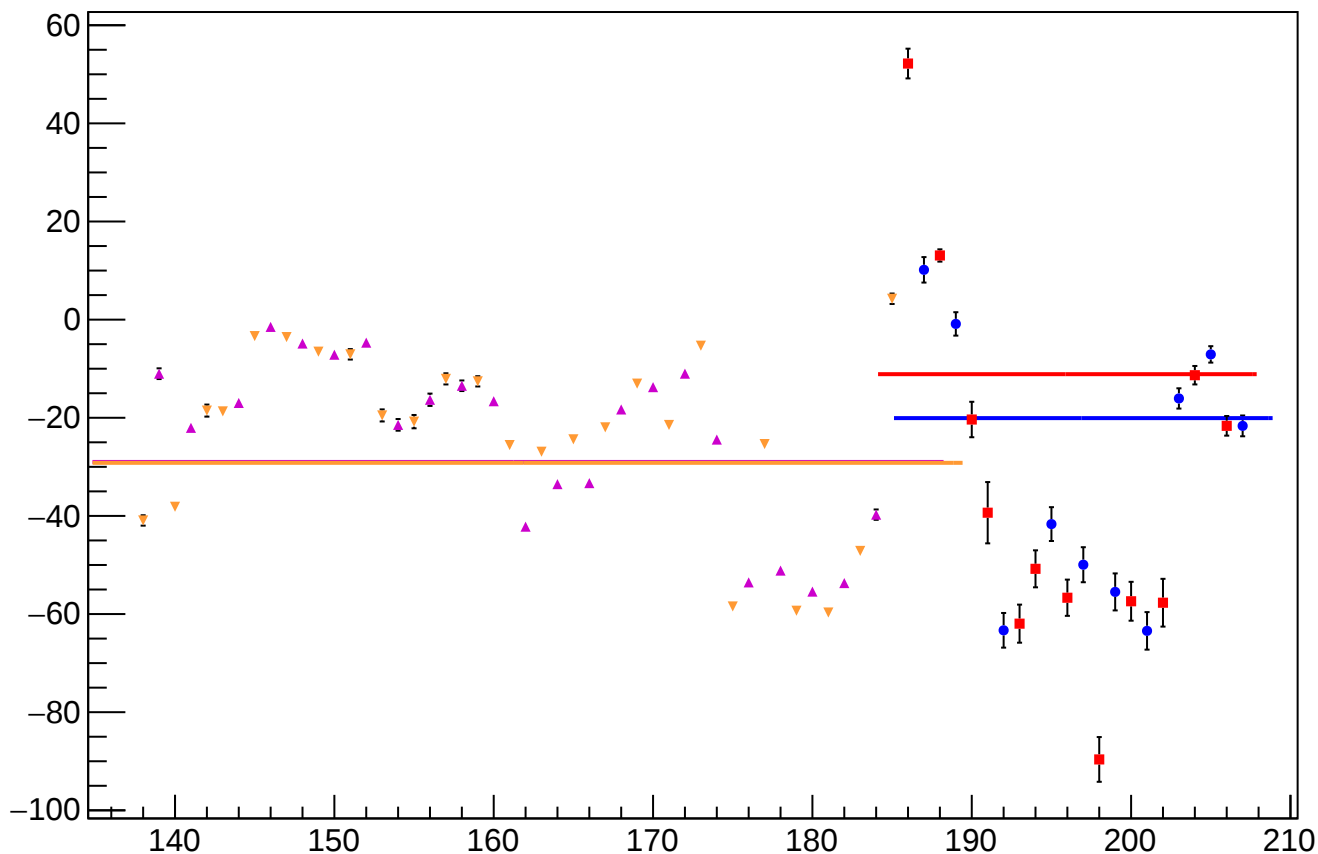
Left In: -0.086+/-0.006 χ^2/NDF : 3132.1/22

+ sign -0.150+/-0.006 χ^2/NDF : 3657.6/34

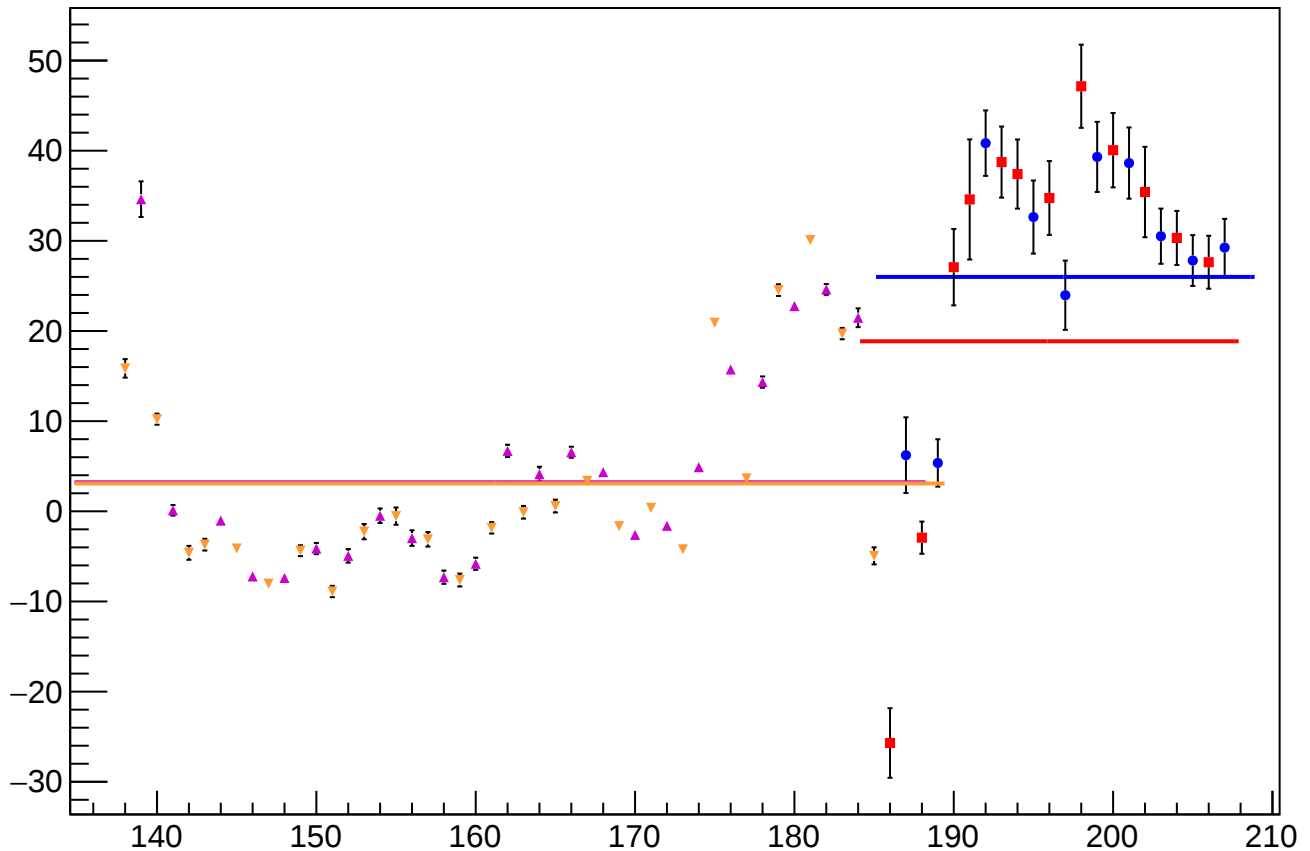
All: -0.138+/-0.004 χ^2/NDF : 8631.3/69

- sign -0.126+/-0.006 χ^2/NDF : 4965.3/34

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 25.999 $\pm$ 1.074 χ^2 /NDF: 129.1/9

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF: 8084.1/24

Right Out: 18.861 $\pm$ 0.988 χ^2 /NDF: 453.8/11

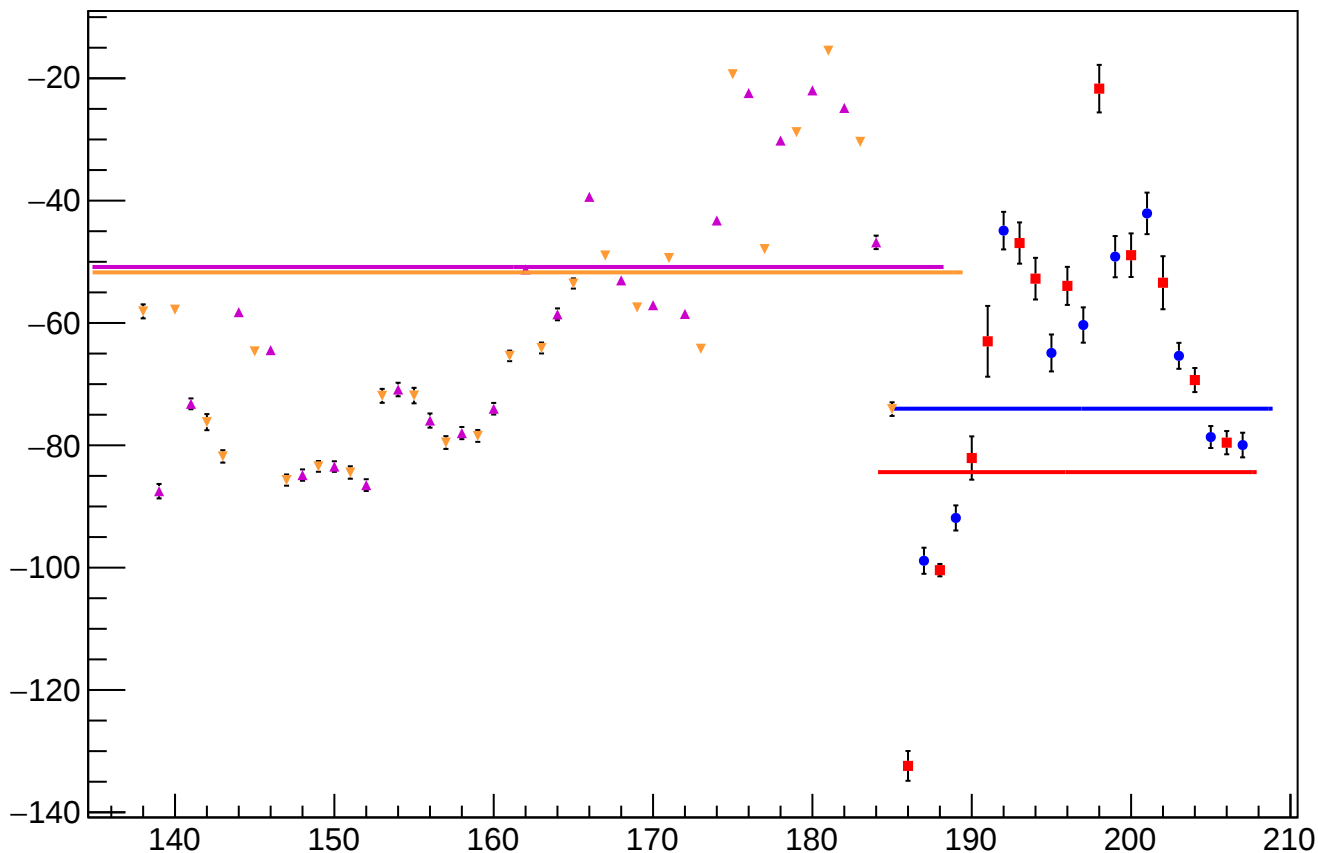
Left In: 3.221 $\pm$ 0.127 χ^2 /NDF: 6237.6/22

+ sign 3.394 $\pm$ 0.124 χ^2 /NDF: 8662.5/34

All: 3.434 $\pm$ 0.088 χ^2 /NDF: 15600.5/69

- sign 3.475 $\pm$ 0.126 χ^2 /NDF: 6937.8/34

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -74.014 ± 0.757 χ^2/NDF : 507.5/9

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -84.384 ± 0.664 χ^2/NDF : 1434.9/11

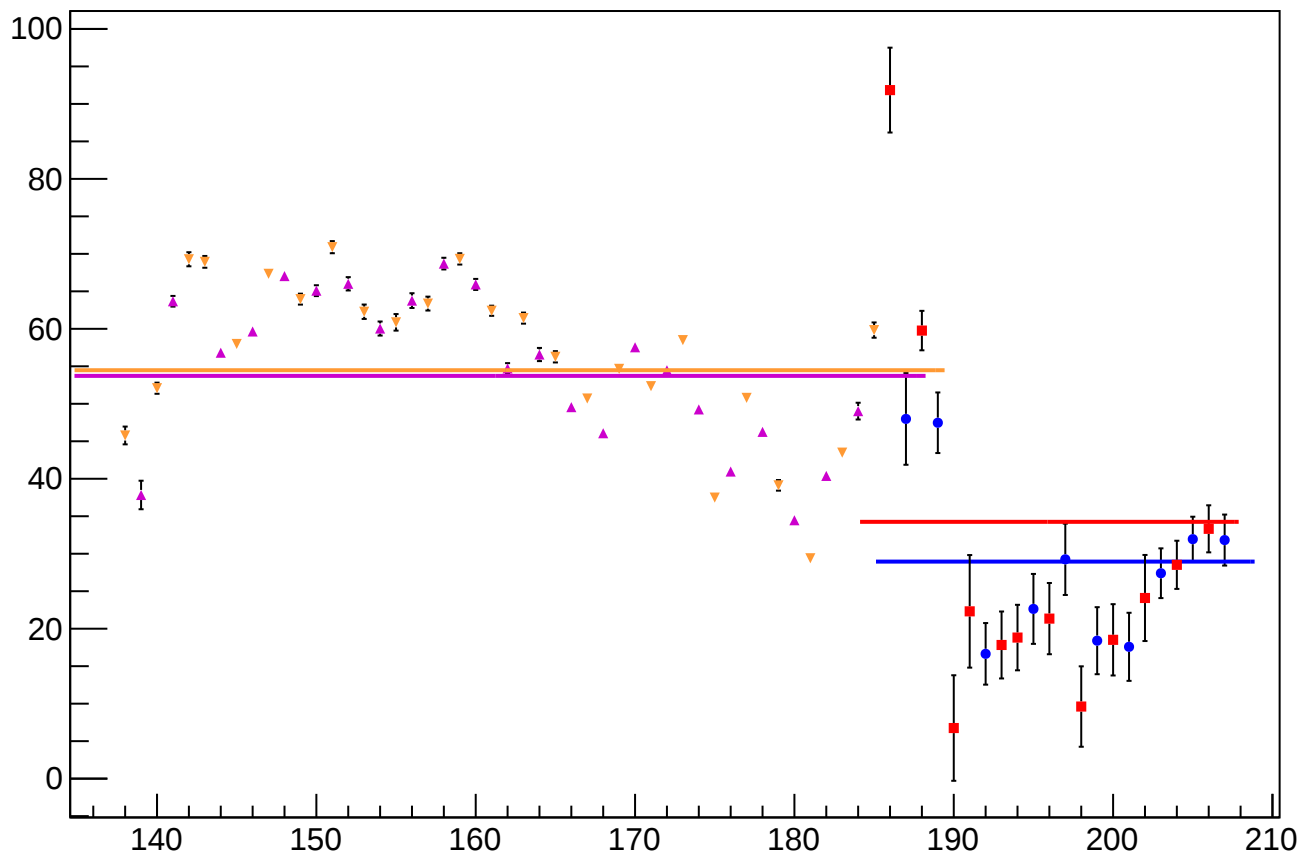
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -52.658 ± 0.155 χ^2/NDF : 20876.2/34

All: -52.672 ± 0.110 χ^2/NDF : 41993.2/69

- sign -52.686 ± 0.156 χ^2/NDF : 21117.0/34

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 28.951 ± 1.265 $\chi^2/\text{NDF}: 55.3/9$

Left Out: 54.476 ± 0.140 $\chi^2/\text{NDF}: 6266.9/24$

Right Out: 34.255 ± 1.223 $\chi^2/\text{NDF}: 287.2/11$

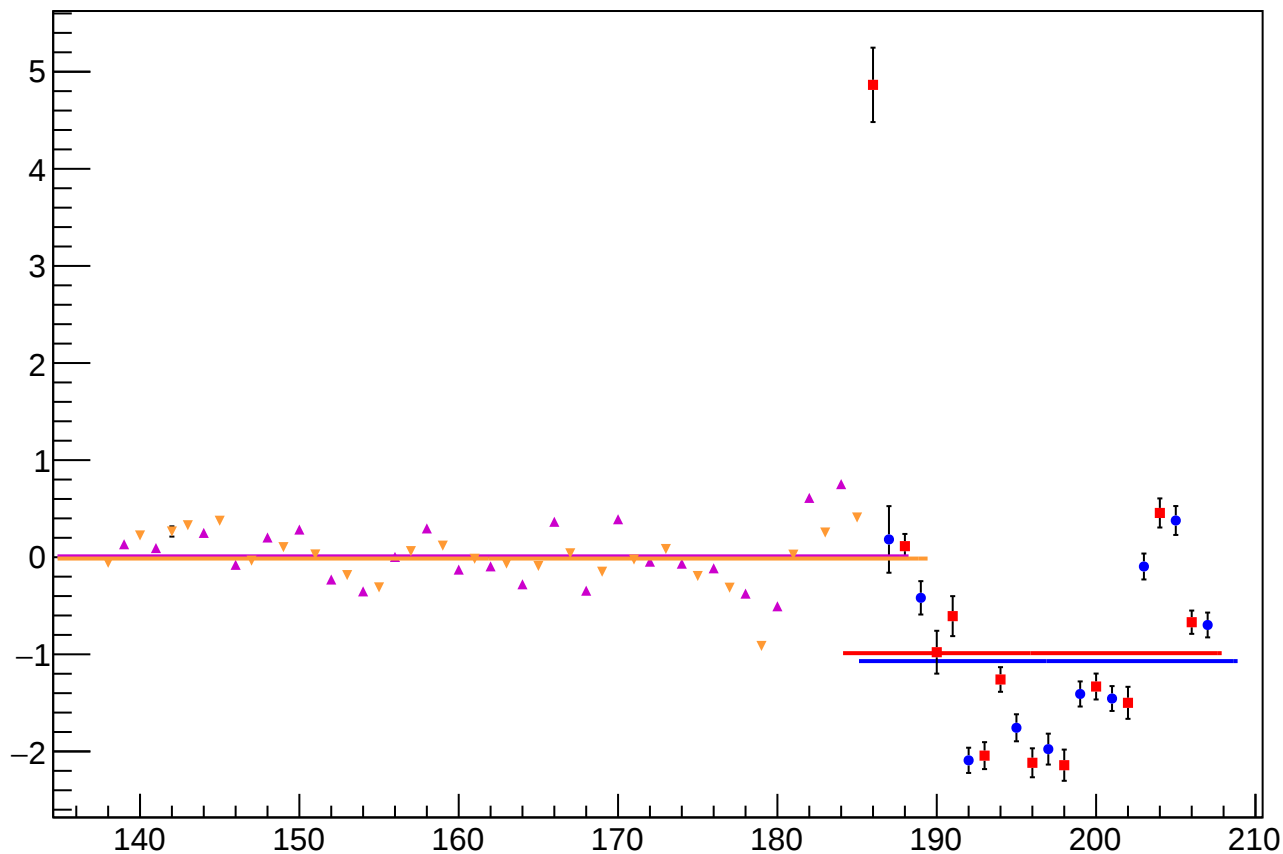
Left In: 53.724 ± 0.143 $\chi^2/\text{NDF}: 4585.7/22$

+ sign 54.166 ± 0.139 $\chi^2/\text{NDF}: 6724.4/34$

All: 53.820 ± 0.100 $\chi^2/\text{NDF}: 11859.6/69$

- sign 53.461 ± 0.142 $\chi^2/\text{NDF}: 5122.7/34$

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -1.070 ± 0.046 χ^2/NDF : 318.7/9

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.988 ± 0.044 χ^2/NDF : 601.2/11

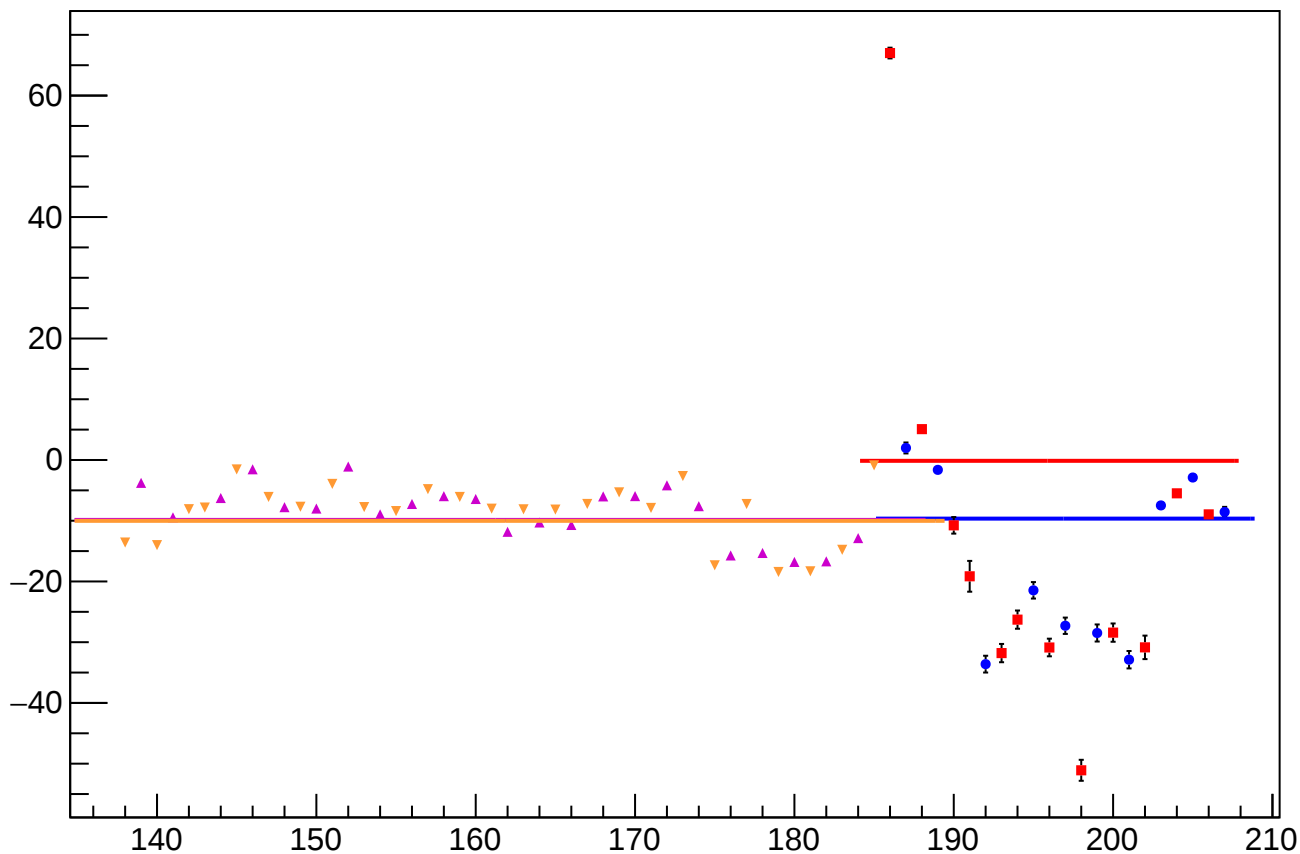
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.034 ± 0.006 χ^2/NDF : 2494.2/34

All: -0.024 ± 0.005 χ^2/NDF : 5826.1/69

- sign -0.013 ± 0.006 χ^2/NDF : 3326.4/34

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -9.653 ± 0.299 χ^2/NDF : 1382.8/9

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: -0.137 ± 0.276 χ^2/NDF : 8862.5/11

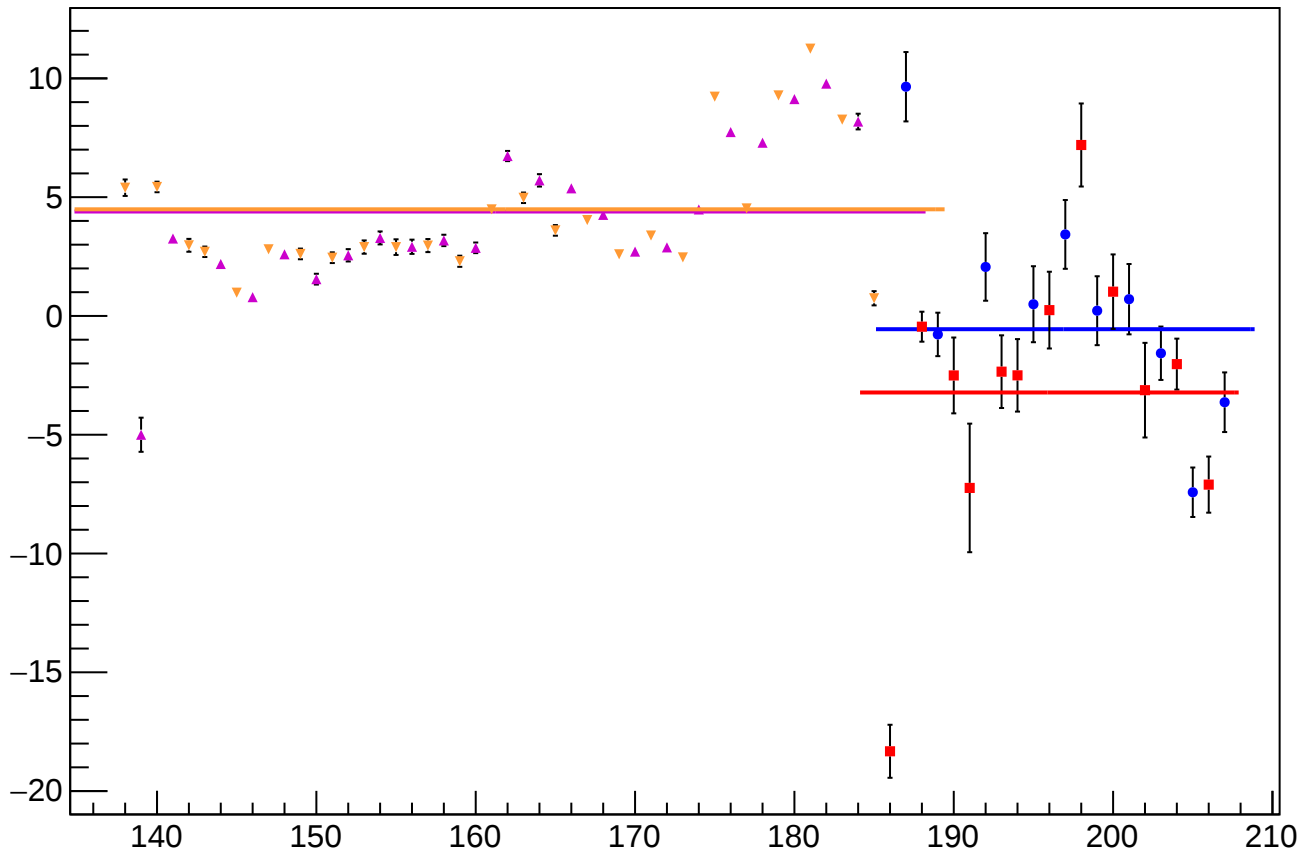
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -10.007 ± 0.050 χ^2/NDF : 13937.0/34

All: -9.775 ± 0.036 χ^2/NDF : 33392.9/69

- sign -9.538 ± 0.051 χ^2/NDF : 19412.4/34

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -0.558 ± 0.398 χ^2/NDF : 111.6/9

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -3.222 ± 0.361 χ^2/NDF : 264.8/11

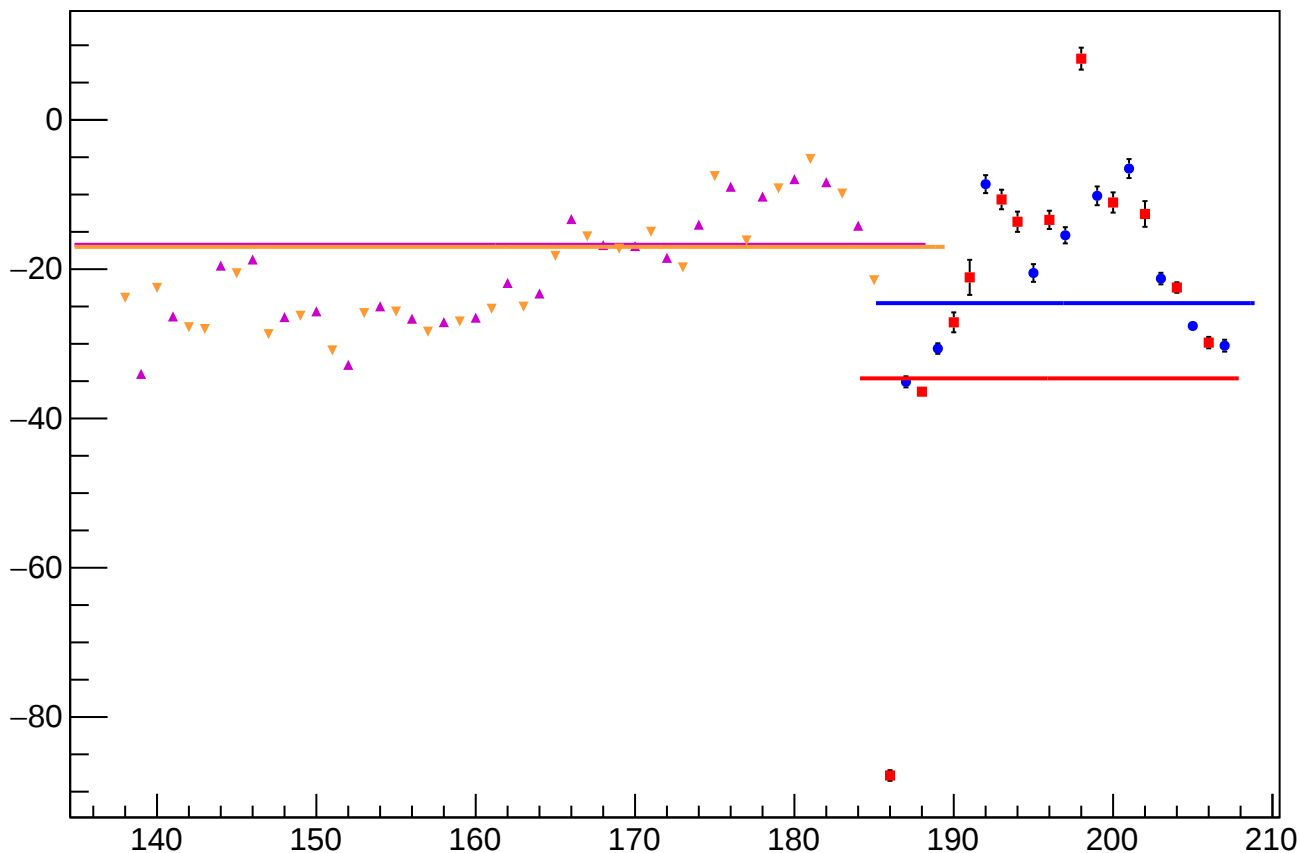
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.437 ± 0.040 χ^2/NDF : 5102.9/34

All: 4.368 ± 0.029 χ^2/NDF : 10042.5/69

- sign 4.298 ± 0.041 χ^2/NDF : 4933.8/34

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -24.550 ± 0.279 $\chi^2/\text{NDF}: 956.5/9$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -34.628 ± 0.240 $\chi^2/\text{NDF}: 8217.1/11$

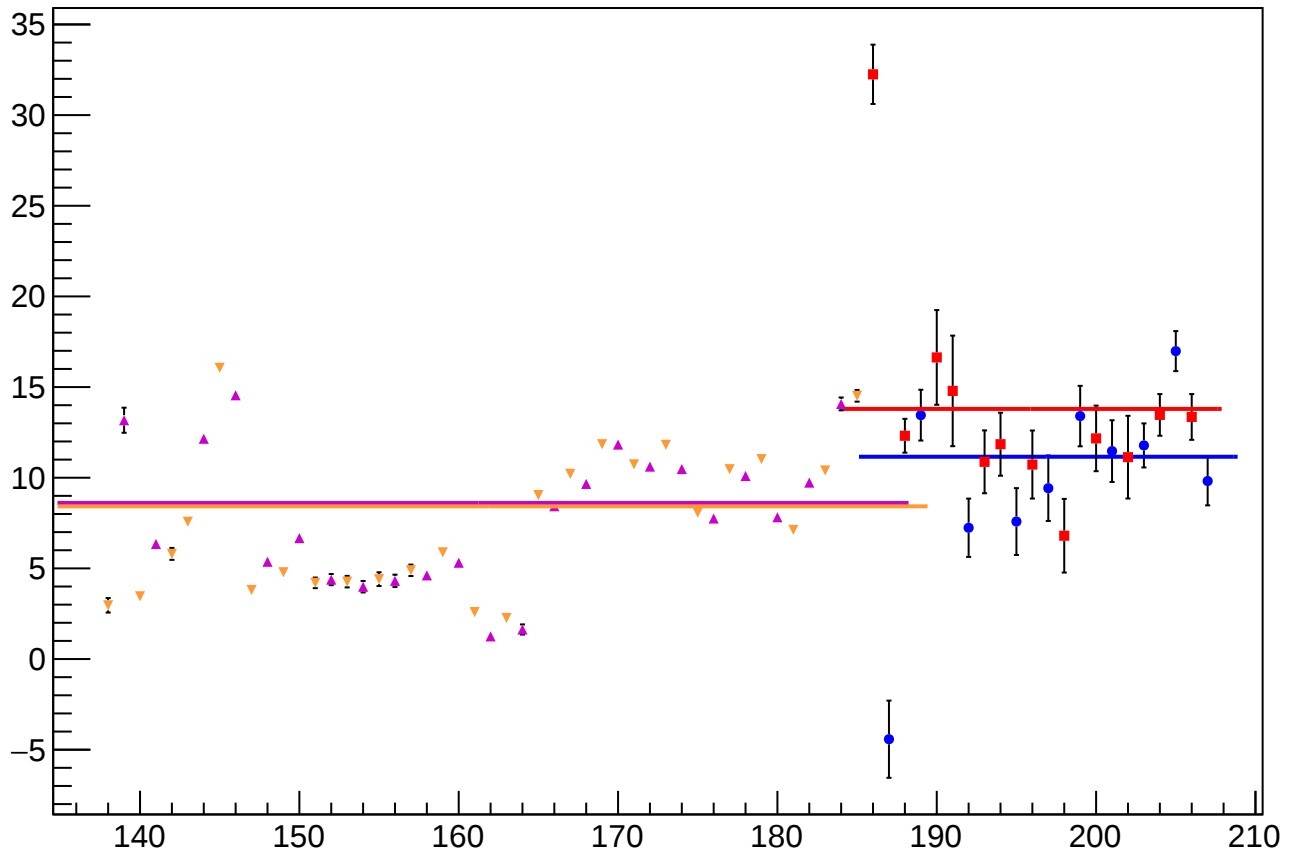
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.253 ± 0.050 $\chi^2/\text{NDF}: 23758.6/34$

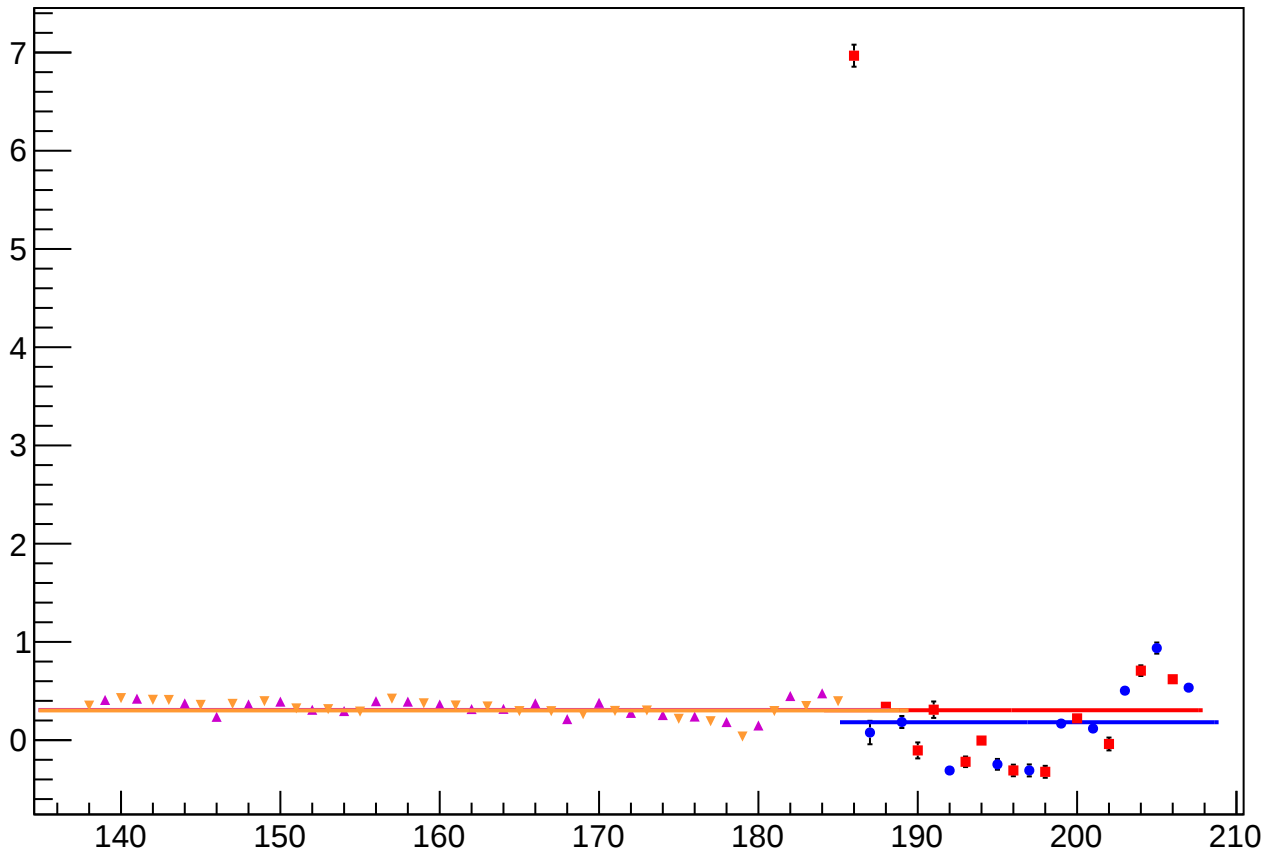
All: -17.386 ± 0.036 $\chi^2/\text{NDF}: 56072.1/69$

- sign -17.519 ± 0.050 $\chi^2/\text{NDF}: 32299.5/34$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.182 ± 0.017 $\chi^2/\text{NDF}: 488.9/9$

Left Out: 0.302 ± 0.002 $\chi^2/\text{NDF}: 1590.9/24$

Right Out: 0.304 ± 0.017 $\chi^2/\text{NDF}: 4028.4/11$

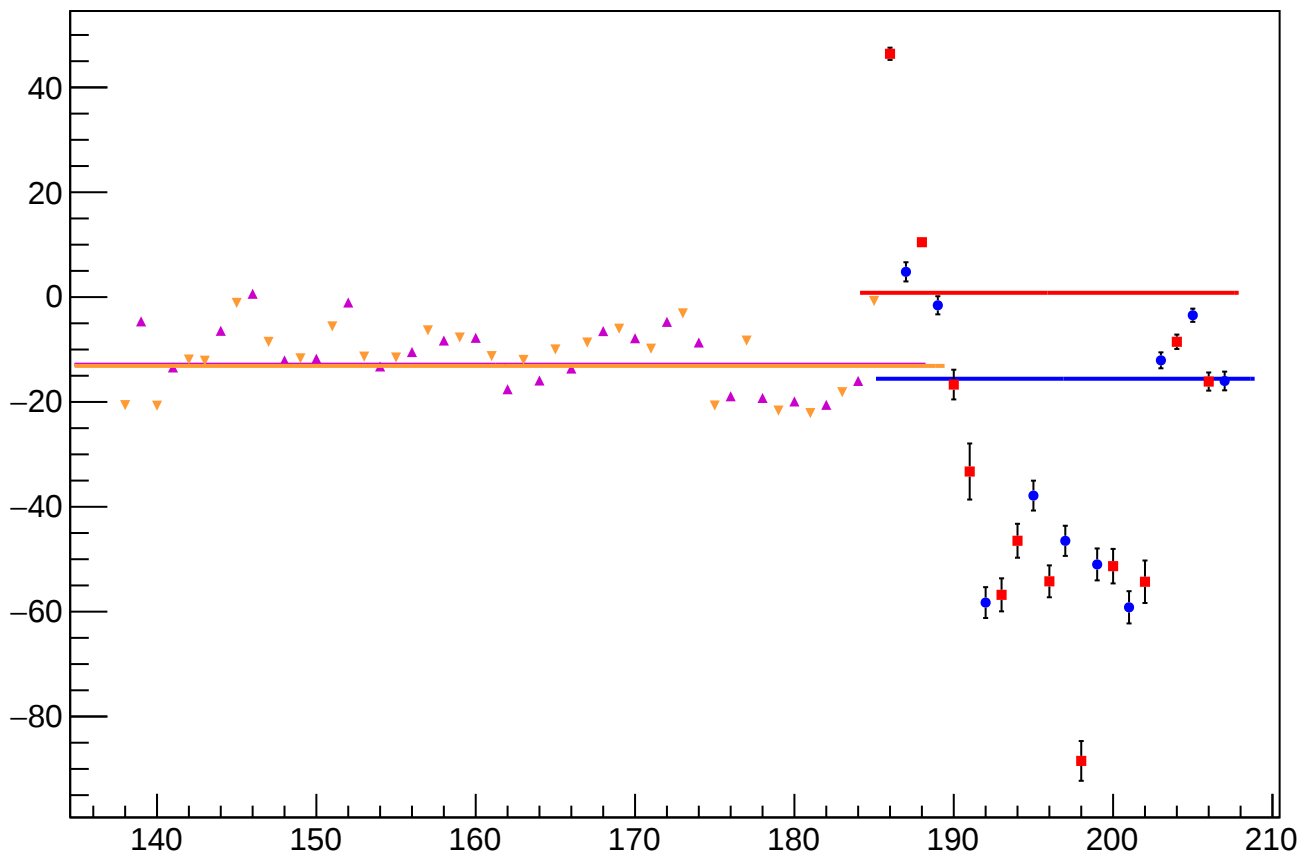
Left In: 0.307 ± 0.002 $\chi^2/\text{NDF}: 1699.5/22$

+ sign 0.301 ± 0.002 $\chi^2/\text{NDF}: 2126.8/34$

All: 0.304 ± 0.001 $\chi^2/\text{NDF}: 7859.5/69$

- sign 0.307 ± 0.002 $\chi^2/\text{NDF}: 5727.9/34$

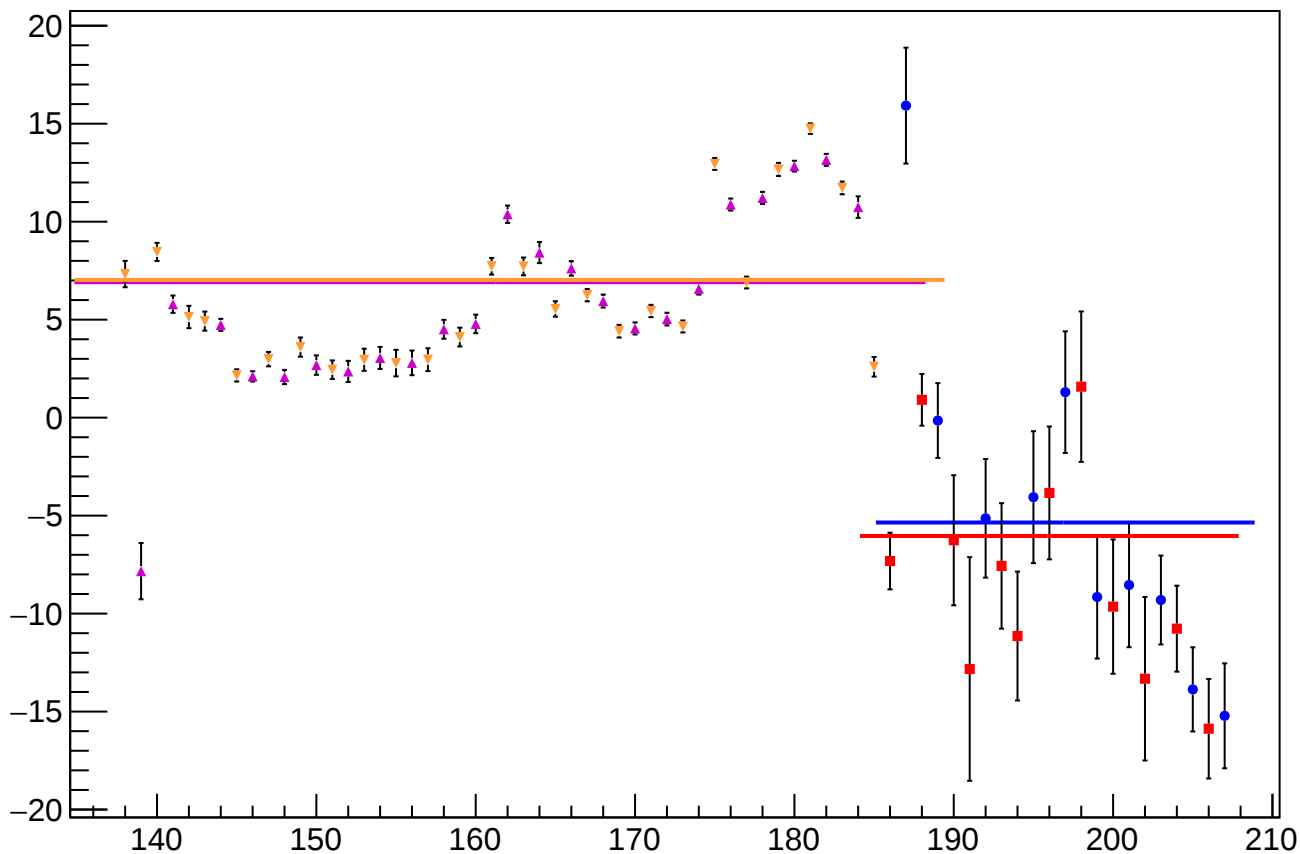
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -15.573 ± 0.622 $\chi^2/\text{NDF}: 1011.6/9$
 Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$
 Right Out: 0.820 ± 0.540 $\chi^2/\text{NDF}: 3720.9/11$
 Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.179 ± 0.093 $\chi^2/\text{NDF}: 7004.4/34$
 All: -12.830 ± 0.066 $\chi^2/\text{NDF}: 16156.1/69$
 - sign -12.472 ± 0.094 $\chi^2/\text{NDF}: 9122.9/34$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -5.352 ± 0.833 $\chi^2/\text{NDF}: 98.7/9$

Left Out: 7.028 ± 0.077 $\chi^2/\text{NDF}: 2665.3/24$

Right Out: -6.038 ± 0.703 $\chi^2/\text{NDF}: 60.7/11$

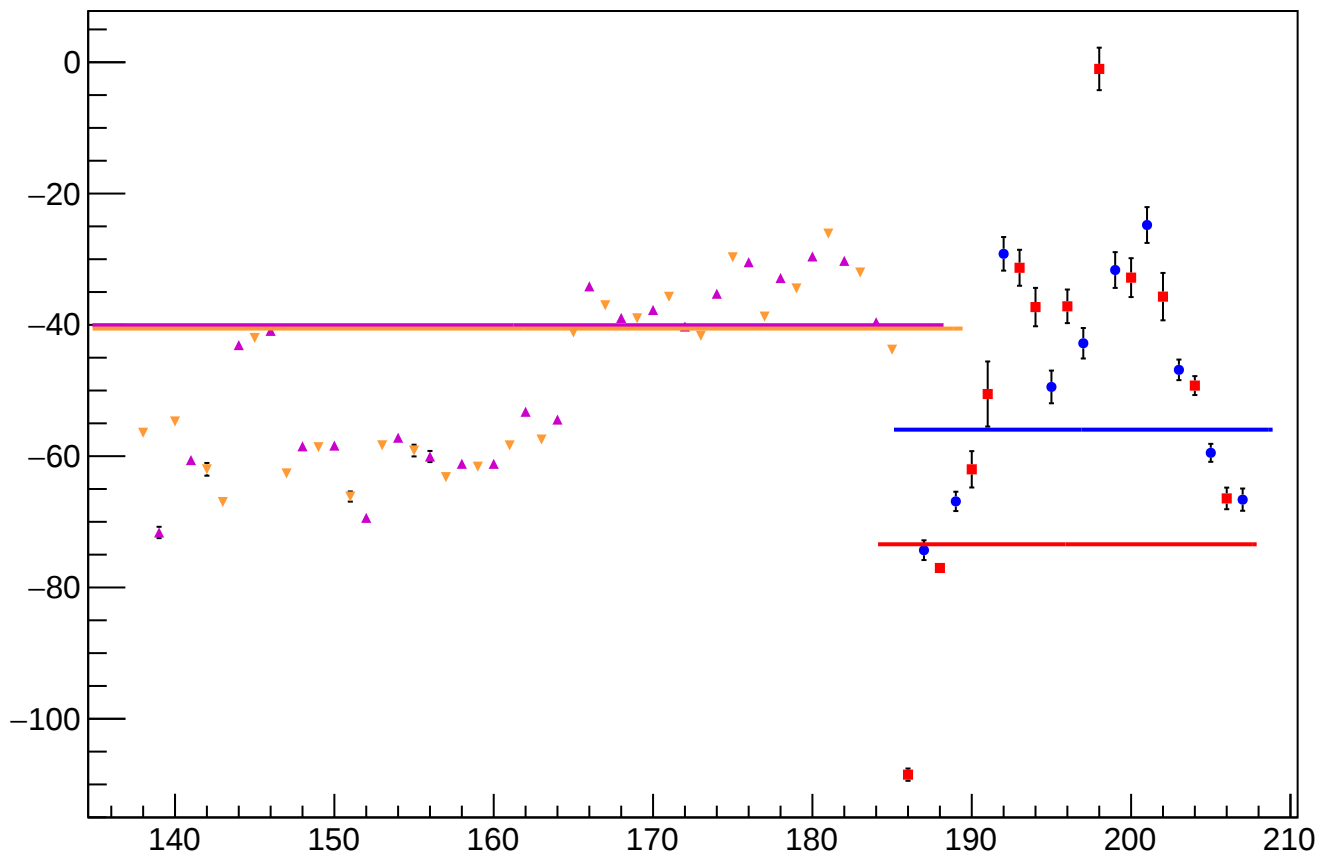
Left In: 6.914 ± 0.078 $\chi^2/\text{NDF}: 2428.2/22$

+ sign 6.922 ± 0.077 $\chi^2/\text{NDF}: 2983.0/34$

All: 6.840 ± 0.054 $\chi^2/\text{NDF}: 5809.8/69$

- sign 6.757 ± 0.077 $\chi^2/\text{NDF}: 2824.5/34$

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -55.962 ± 0.581 χ^2/NDF : 643.0/9

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -73.421 ± 0.465 χ^2/NDF : 3155.6/11

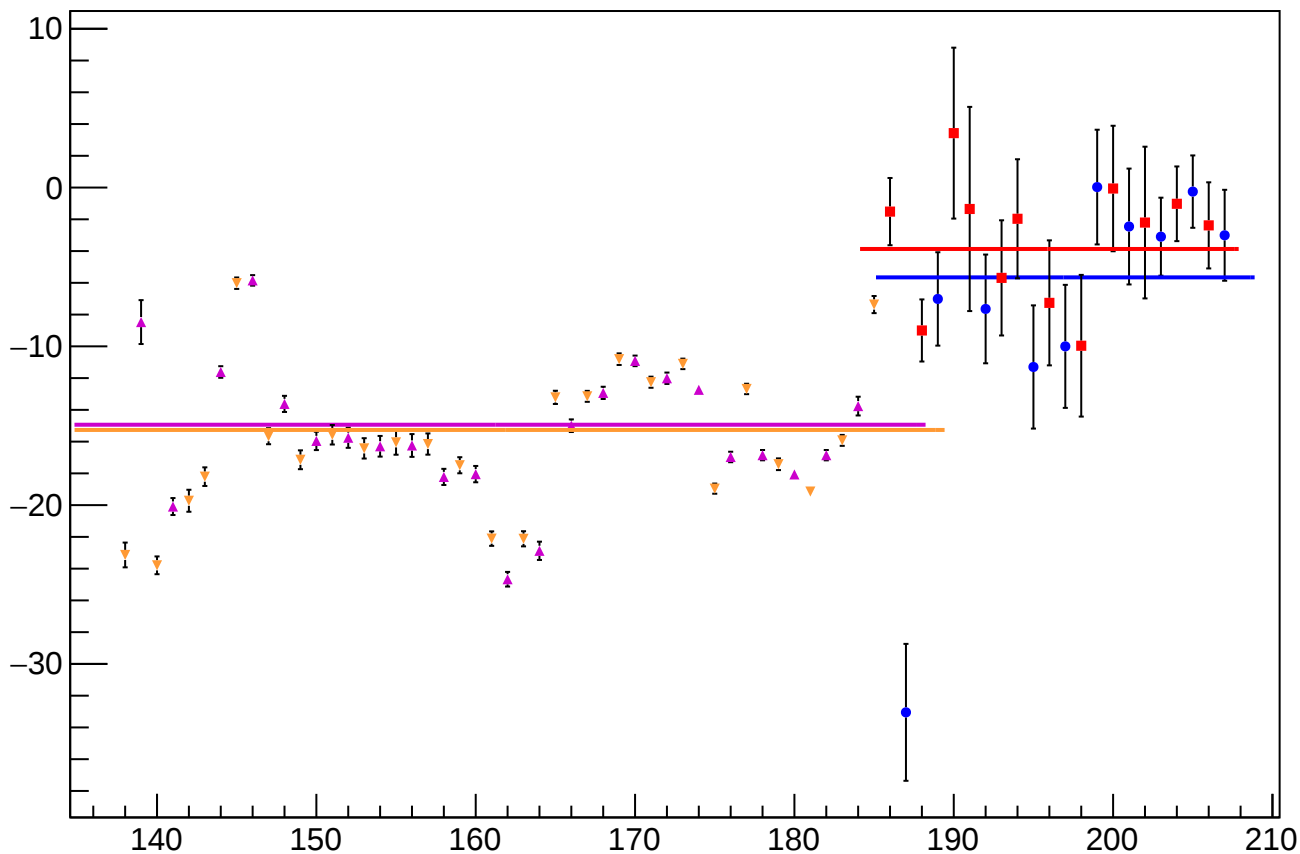
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -40.961 ± 0.093 χ^2/NDF : 16964.9/34

All: -41.184 ± 0.066 χ^2/NDF : 38999.5/69

- sign -41.408 ± 0.094 χ^2/NDF : 22023.2/34

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -5.656 ± 0.990 $\chi^2/\text{NDF}: 55.1/9$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -3.868 ± 0.902 $\chi^2/\text{NDF}: 16.0/11$

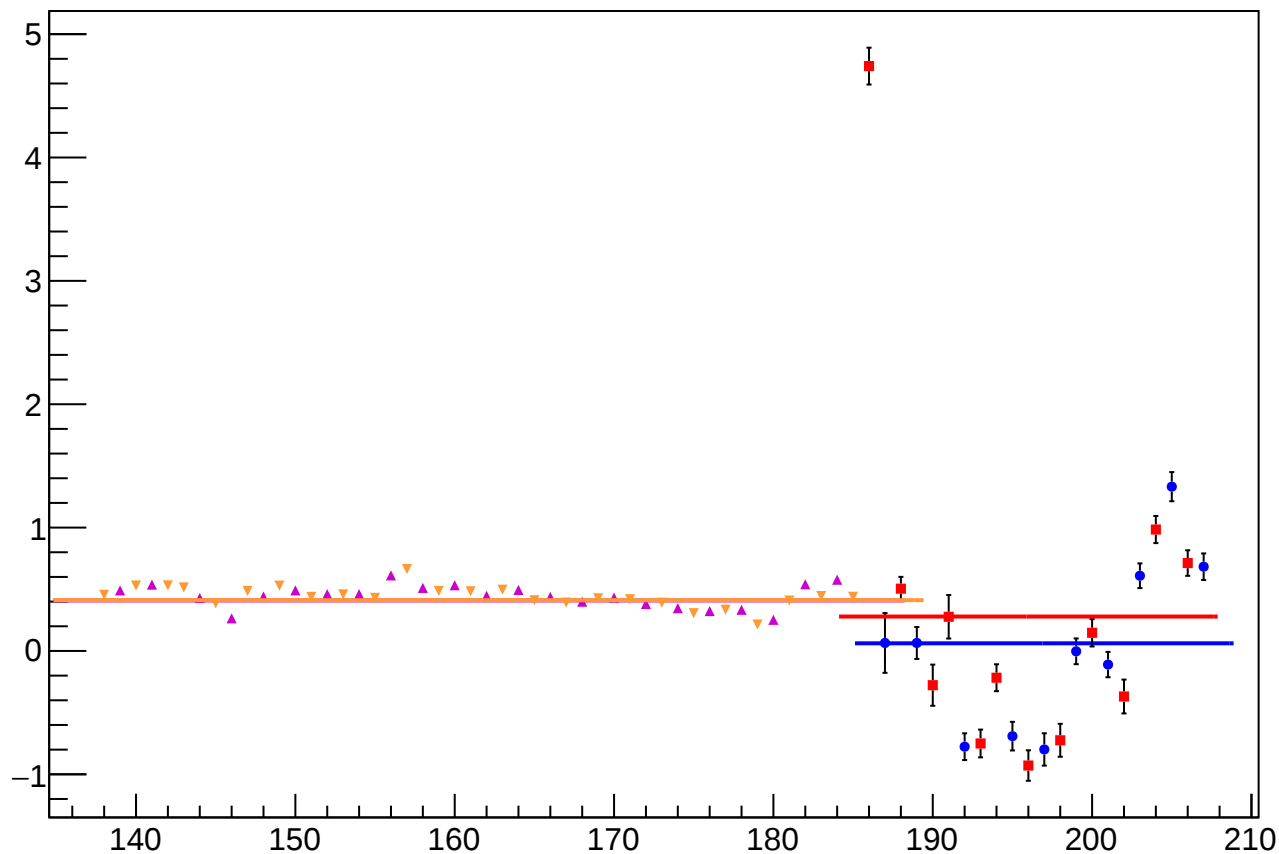
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.194 ± 0.086 $\chi^2/\text{NDF}: 2744.0/34$

All: -15.016 ± 0.061 $\chi^2/\text{NDF}: 5117.8/69$

- sign -14.835 ± 0.086 $\chi^2/\text{NDF}: 2365.1/34$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.062 $\pm$ 0.037 χ^2 /NDF: 327.1/9

Left Out: 0.411 $\pm$ 0.004 χ^2 /NDF: 428.7/24

Right Out: 0.279 $\pm$ 0.035 χ^2 /NDF: 1247.3/11

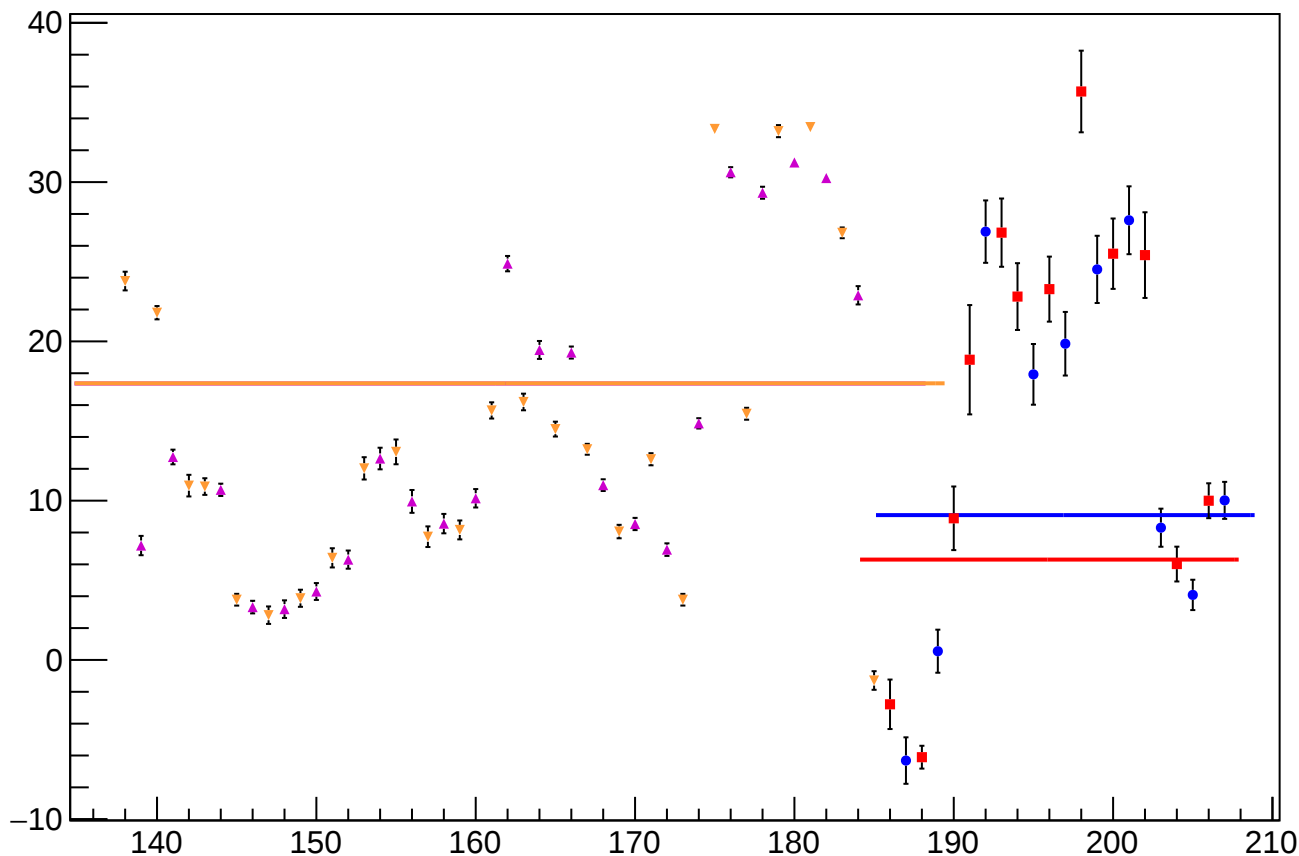
Left In: 0.409 $\pm$ 0.004 χ^2 /NDF: 557.8/22

+ sign 0.408 $\pm$ 0.004 χ^2 /NDF: 845.1/34

All: 0.408 $\pm$ 0.003 χ^2 /NDF: 2664.0/69

- sign 0.408 $\pm$ 0.004 χ^2 /NDF: 1818.9/34

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 9.093 ± 0.457 $\chi^2/\text{NDF}: 442.3/9$

Left Out: 17.367 ± 0.087 $\chi^2/\text{NDF}: 16337.6/24$

Right Out: 6.301 ± 0.425 $\chi^2/\text{NDF}: 840.8/11$

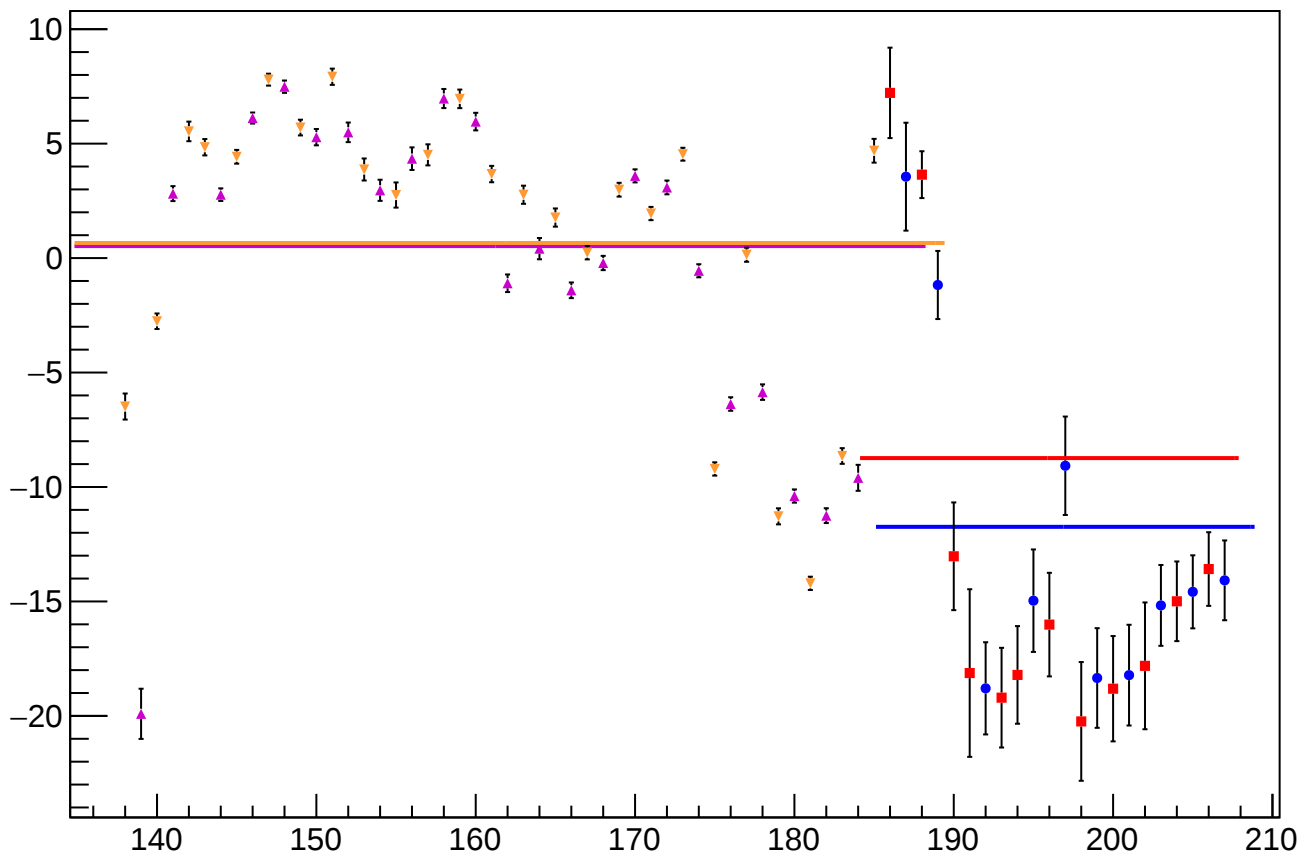
Left In: 17.355 ± 0.089 $\chi^2/\text{NDF}: 12745.1/22$

+ sign 17.077 ± 0.086 $\chi^2/\text{NDF}: 17096.5/34$

All: 16.985 ± 0.061 $\chi^2/\text{NDF}: 31334.2/69$

- sign 16.891 ± 0.087 $\chi^2/\text{NDF}: 14235.4/34$

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -11.740 ± 0.603 $\chi^2/\text{NDF}: 135.0/9$

Left Out: 0.661 ± 0.069 $\chi^2/\text{NDF}: 8553.9/24$

Right Out: -8.737 ± 0.552 $\chi^2/\text{NDF}: 346.4/11$

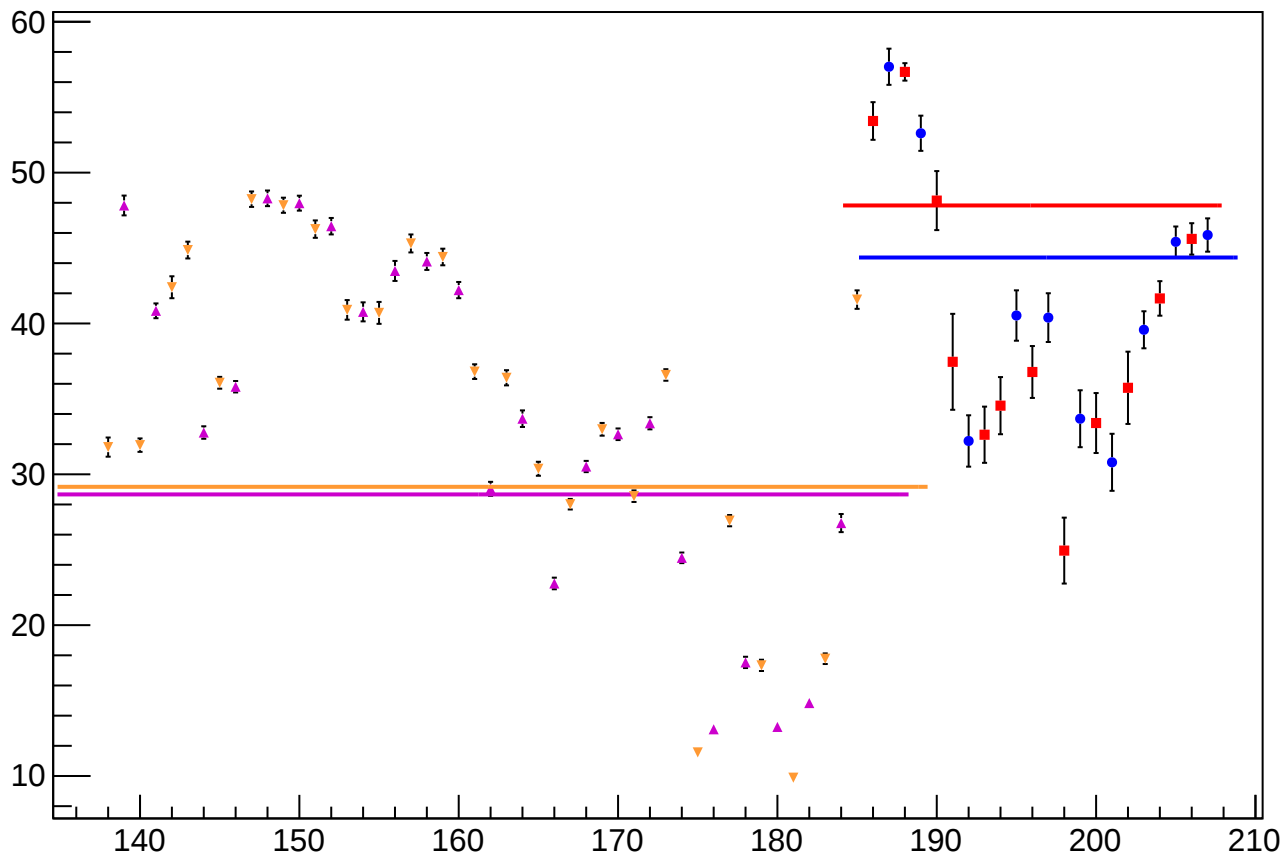
Left In: 0.524 ± 0.071 $\chi^2/\text{NDF}: 6729.7/22$

+ sign 0.498 ± 0.069 $\chi^2/\text{NDF}: 9107.0/34$

All: 0.437 ± 0.049 $\chi^2/\text{NDF}: 16461.3/69$

- sign 0.374 ± 0.070 $\chi^2/\text{NDF}: 7352.7/34$

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 44.373+/-0.425 χ^2/NDF : 325.2/9

Left Out: 29.171+/-0.088 χ^2/NDF : 18974.7/24

Right Out: 47.823+/-0.372 χ^2/NDF : 643.1/11

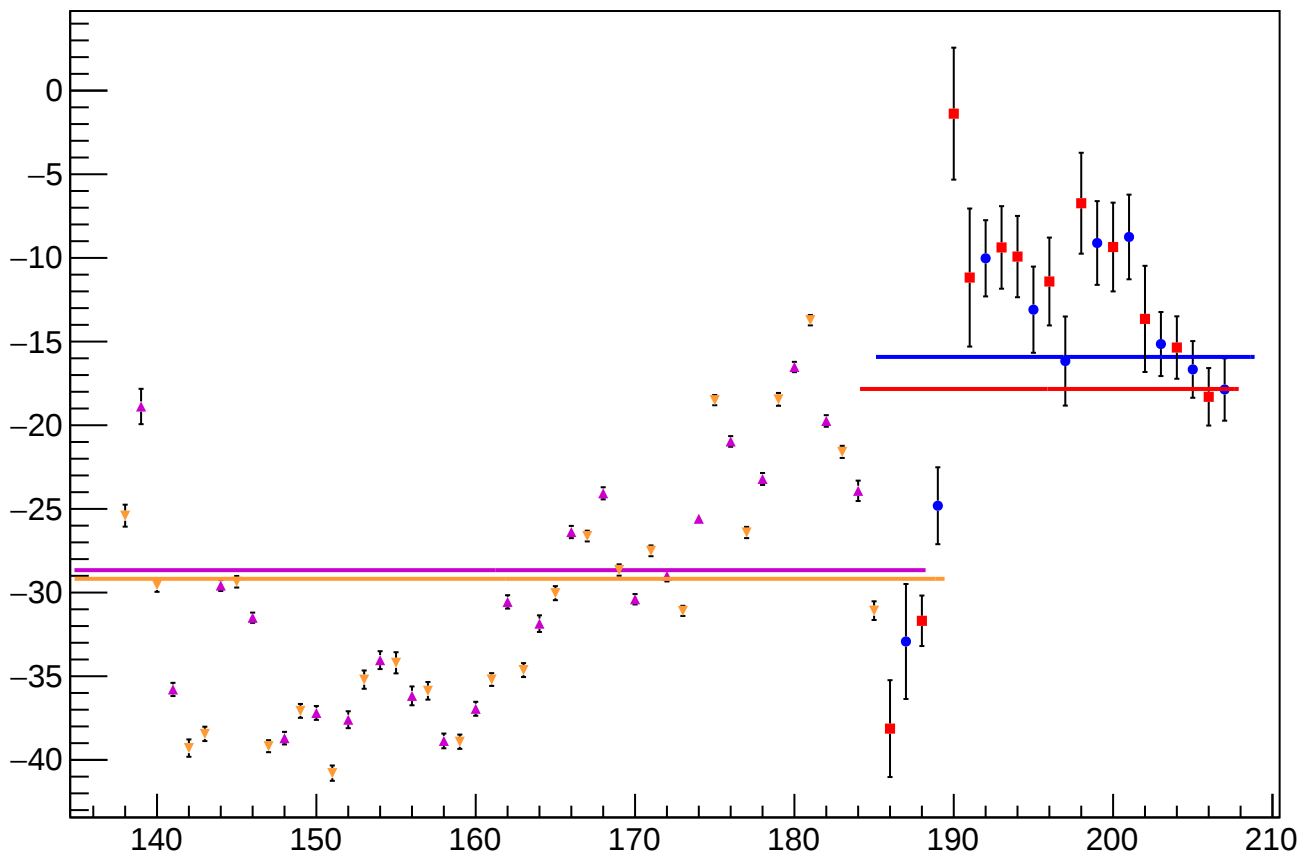
Left In: 28.667+/-0.089 χ^2/NDF : 16847.2/22

+ sign 29.792+/-0.086 χ^2/NDF : 20525.3/34

All: 29.749+/-0.061 χ^2/NDF : 40521.0/69

- sign 29.706+/-0.087 χ^2/NDF : 19995.2/34

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -15.917 ± 0.710 $\chi^2/\text{NDF}: 64.3/9$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -17.832 ± 0.684 $\chi^2/\text{NDF}: 209.2/11$

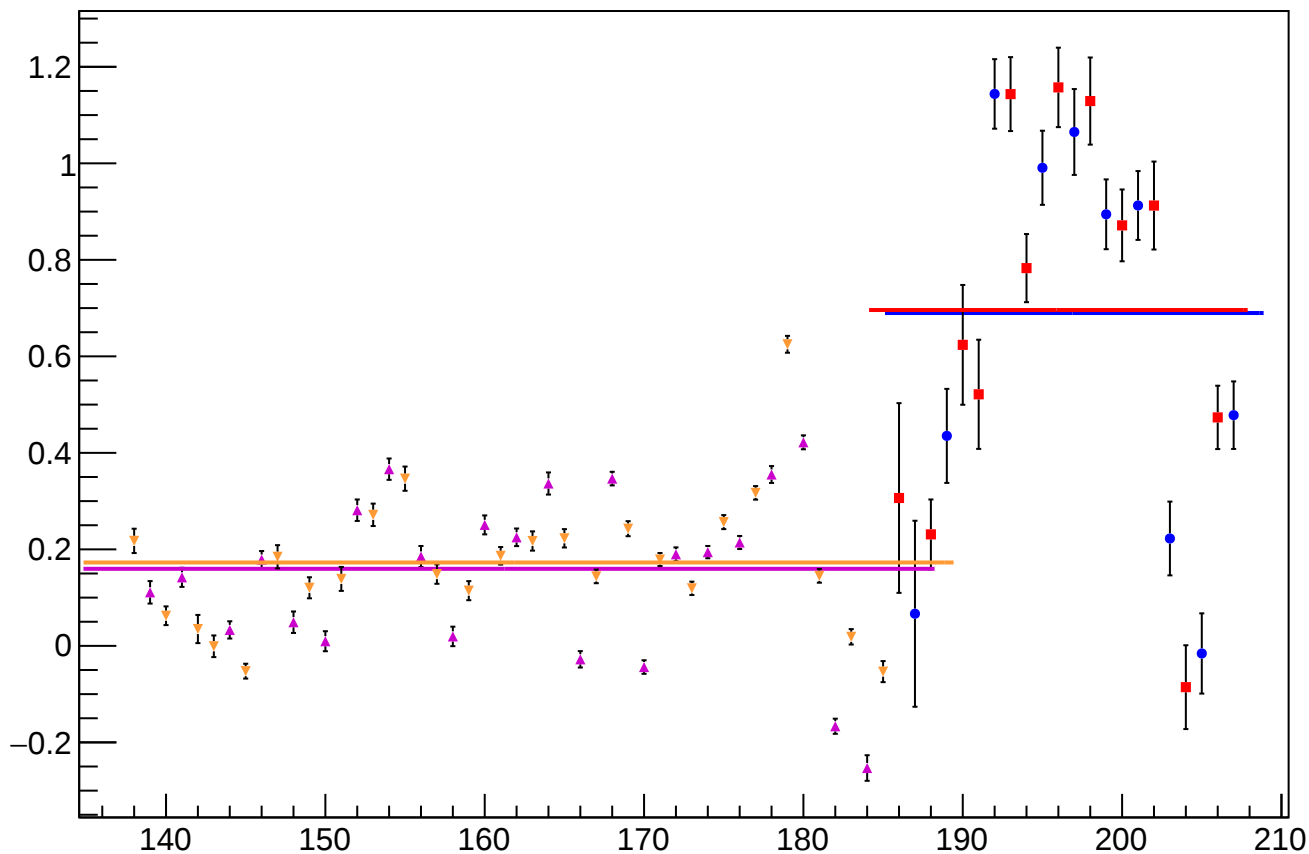
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -29.019 ± 0.078 $\chi^2/\text{NDF}: 9490.4/34$

All: -28.772 ± 0.055 $\chi^2/\text{NDF}: 16637.6/69$

- sign -28.515 ± 0.079 $\chi^2/\text{NDF}: 7126.6/34$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.690 ± 0.026 $\chi^2/\text{NDF}: 226.4/9$

Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1478.5/24$

Right Out: 0.696 ± 0.024 $\chi^2/\text{NDF}: 241.7/11$

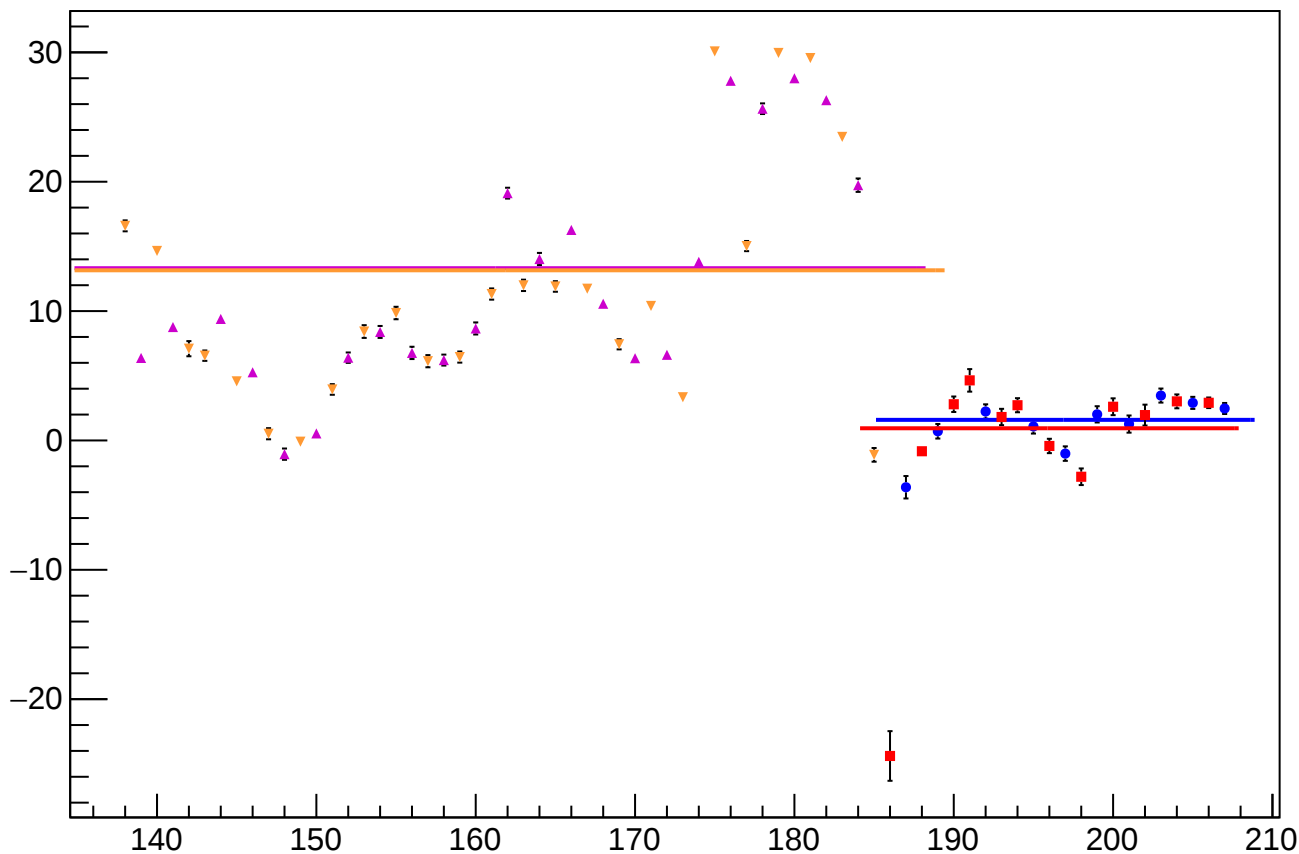
Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2057.9/22$

+ sign 0.183 ± 0.004 $\chi^2/\text{NDF}: 2105.4/34$

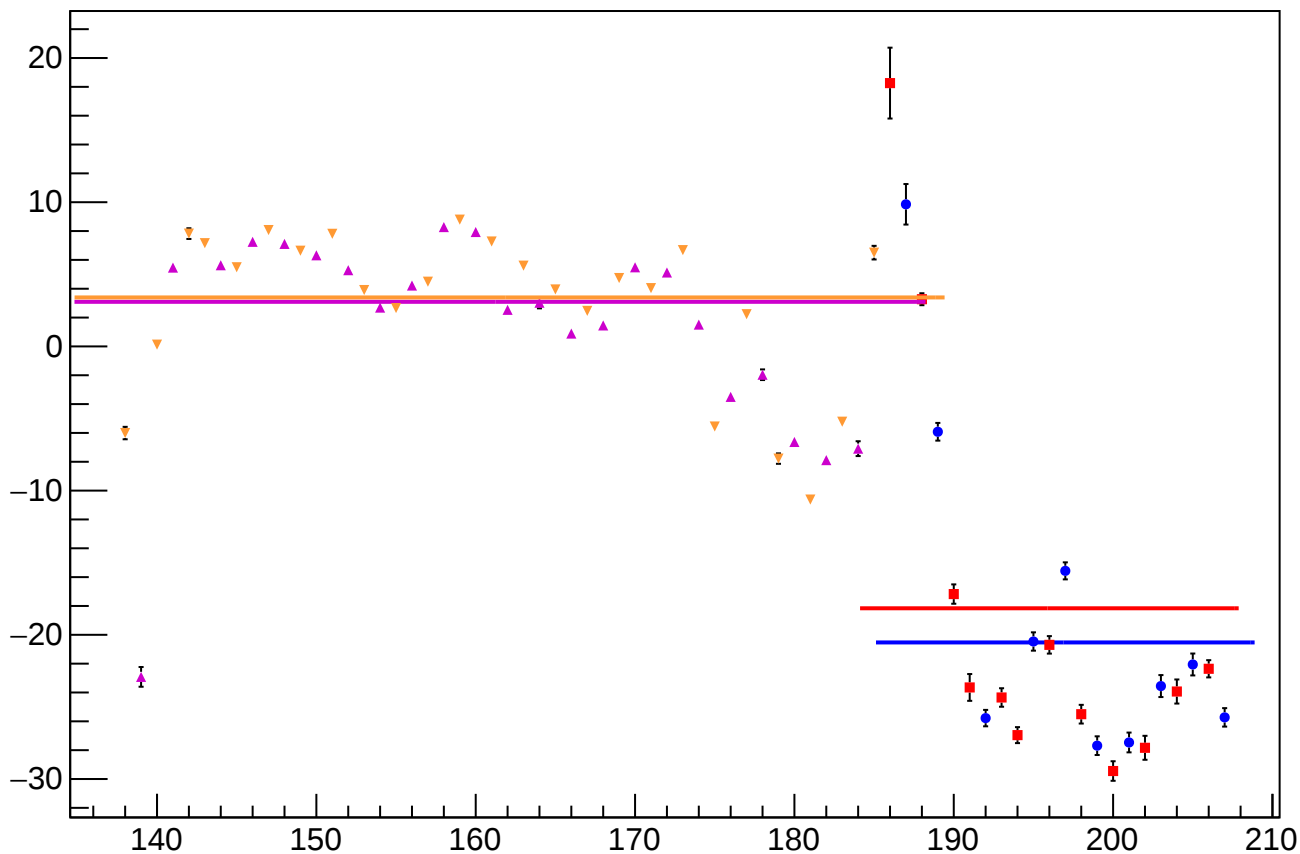
All: 0.177 ± 0.003 $\chi^2/\text{NDF}: 4879.0/69$

- sign 0.171 ± 0.004 $\chi^2/\text{NDF}: 2768.5/34$

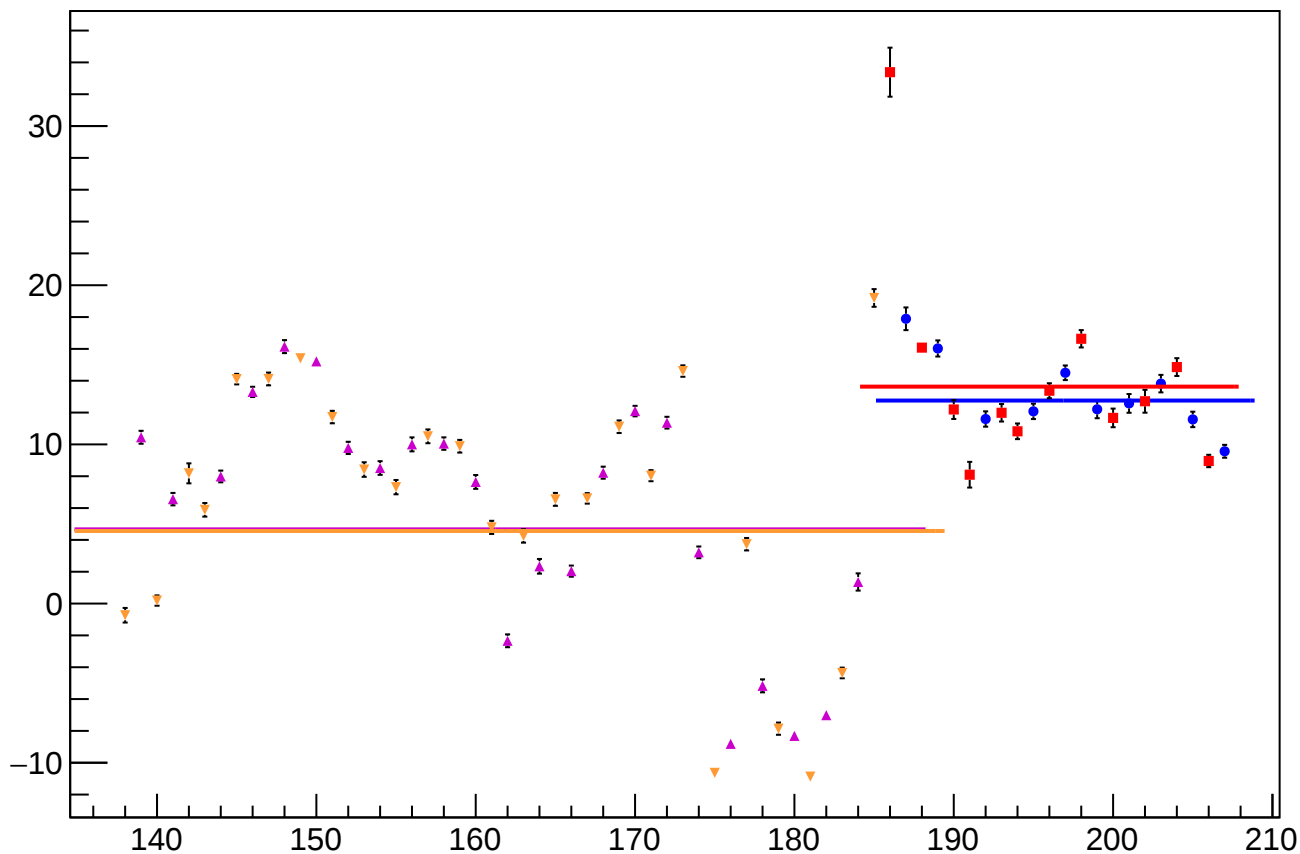
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.755+/-0.160 χ^2/NDF : 188.3/9

Left Out: 4.561+/-0.075 χ^2/NDF : 13592.1/24

Right Out: 13.630+/-0.136 χ^2/NDF : 566.7/11

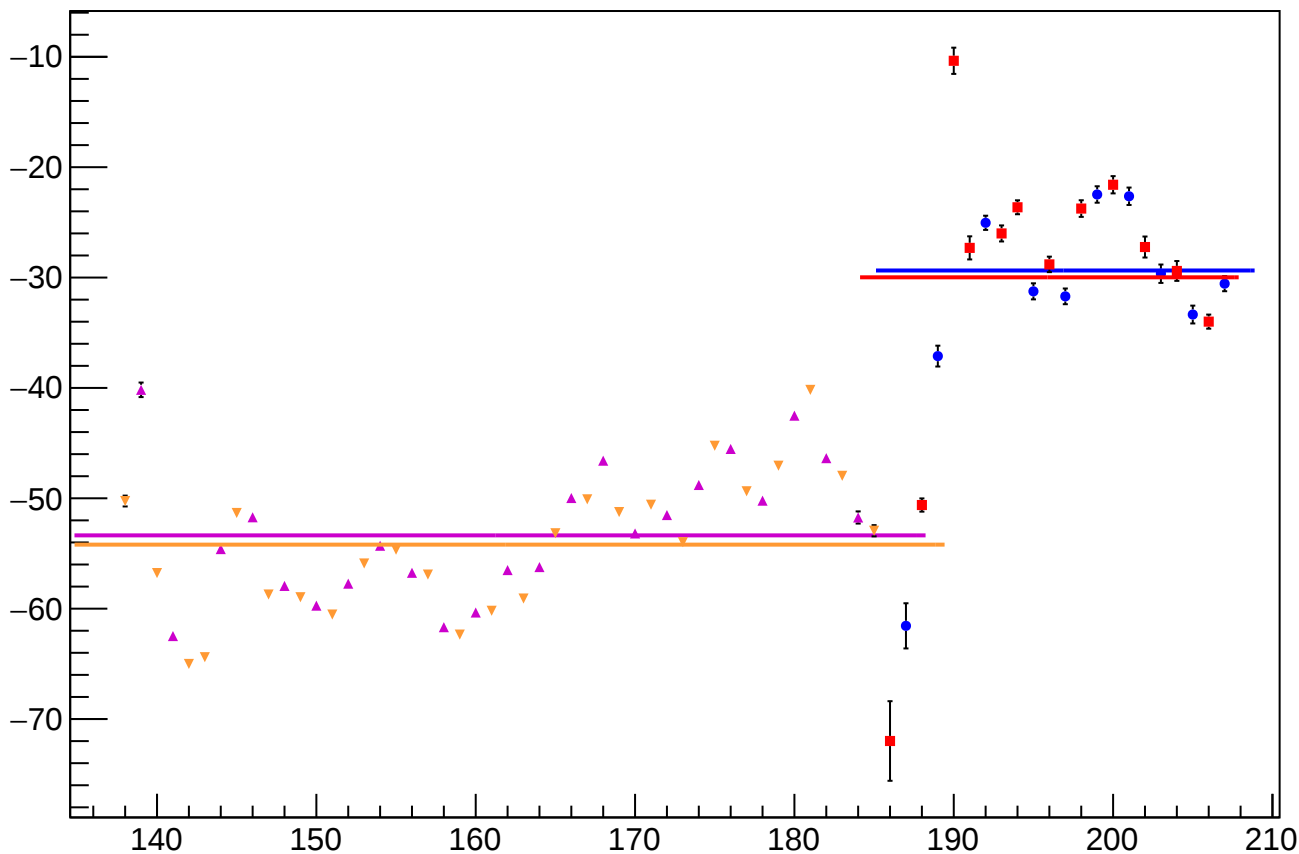
Left In: 4.662+/-0.077 χ^2/NDF : 11281.5/22

+ sign 6.042+/-0.068 χ^2/NDF : 15916.2/34

All: 6.442+/-0.048 χ^2/NDF : 31121.0/69

- sign 6.826+/-0.067 χ^2/NDF : 15137.5/34

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -29.360 ± 0.249 $\chi^2/\text{NDF}: 563.3/9$

Left Out: -54.199 ± 0.066 $\chi^2/\text{NDF}: 8454.7/24$

Right Out: -29.978 ± 0.229 $\chi^2/\text{NDF}: 1966.7/11$

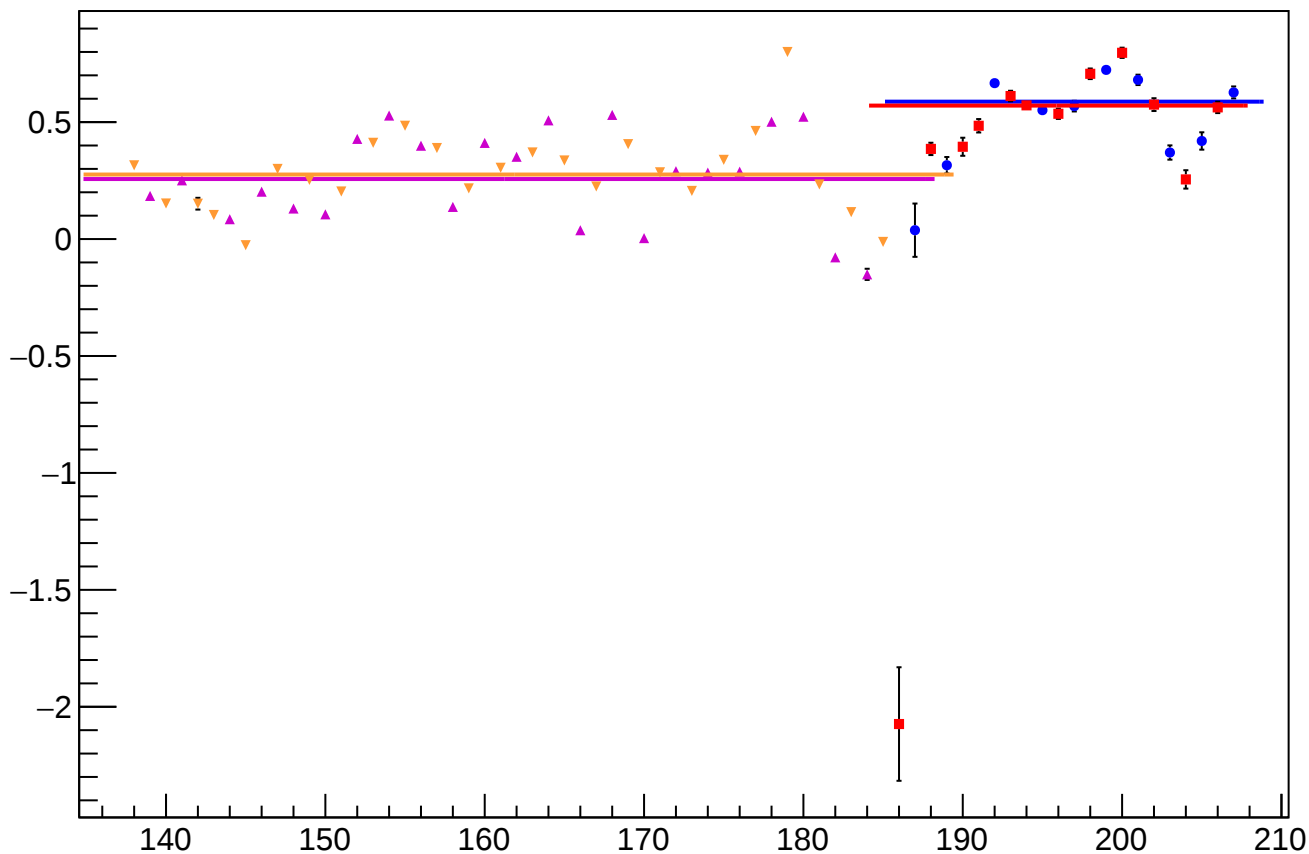
Left In: -53.359 ± 0.068 $\chi^2/\text{NDF}: 6882.0/22$

+ sign -52.548 ± 0.064 $\chi^2/\text{NDF}: 18321.8/34$

All: -52.004 ± 0.046 $\chi^2/\text{NDF}: 36903.8/69$

- sign -51.436 ± 0.066 $\chi^2/\text{NDF}: 18435.1/34$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.587 ± 0.008 χ^2/NDF : 232.8/9

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.571 ± 0.007 χ^2/NDF : 410.5/11

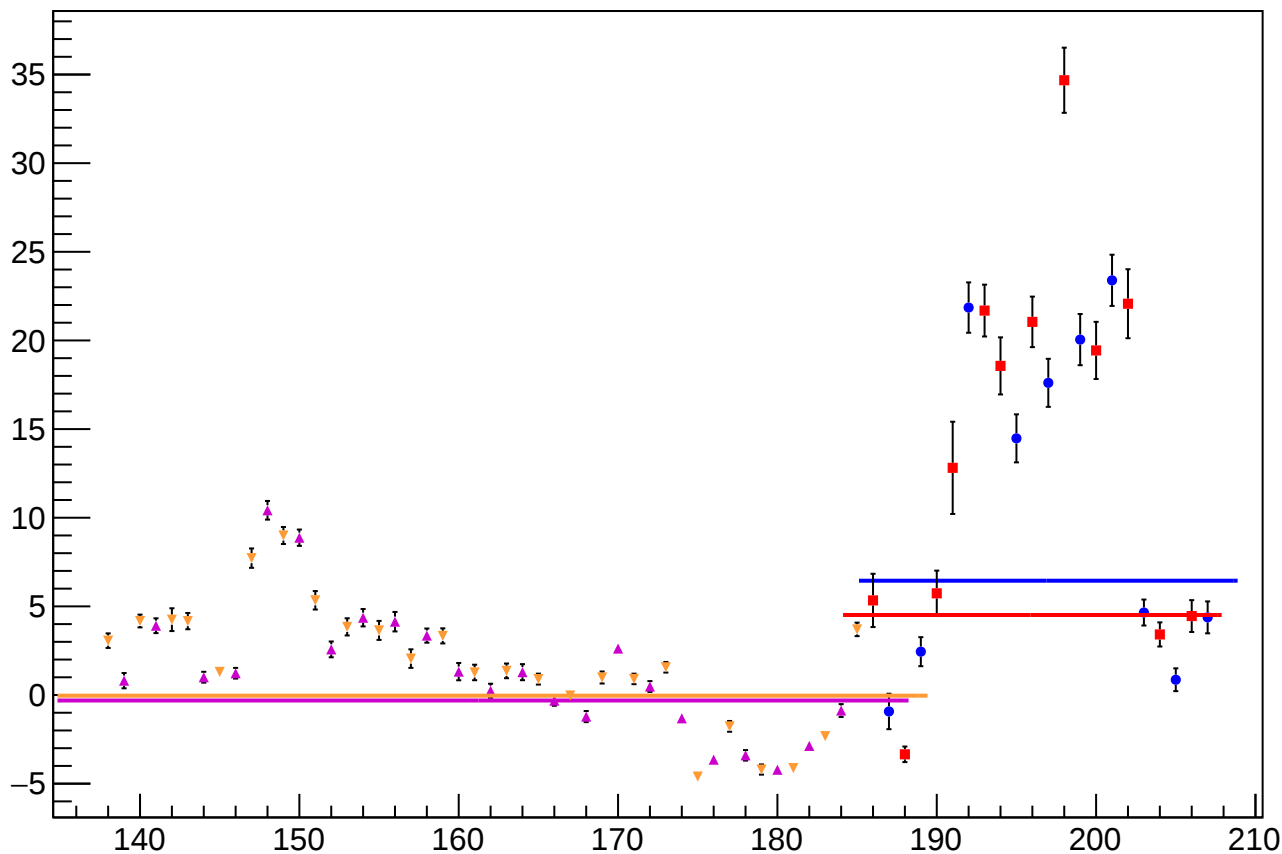
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.314 ± 0.003 χ^2/NDF : 4124.8/34

All: 0.309 ± 0.002 χ^2/NDF : 9682.2/69

- sign 0.303 ± 0.003 χ^2/NDF : 5550.6/34

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 6.447 ± 0.308 χ^2/NDF : 611.9/9

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: 4.514 ± 0.288 χ^2/NDF : 1119.8/11

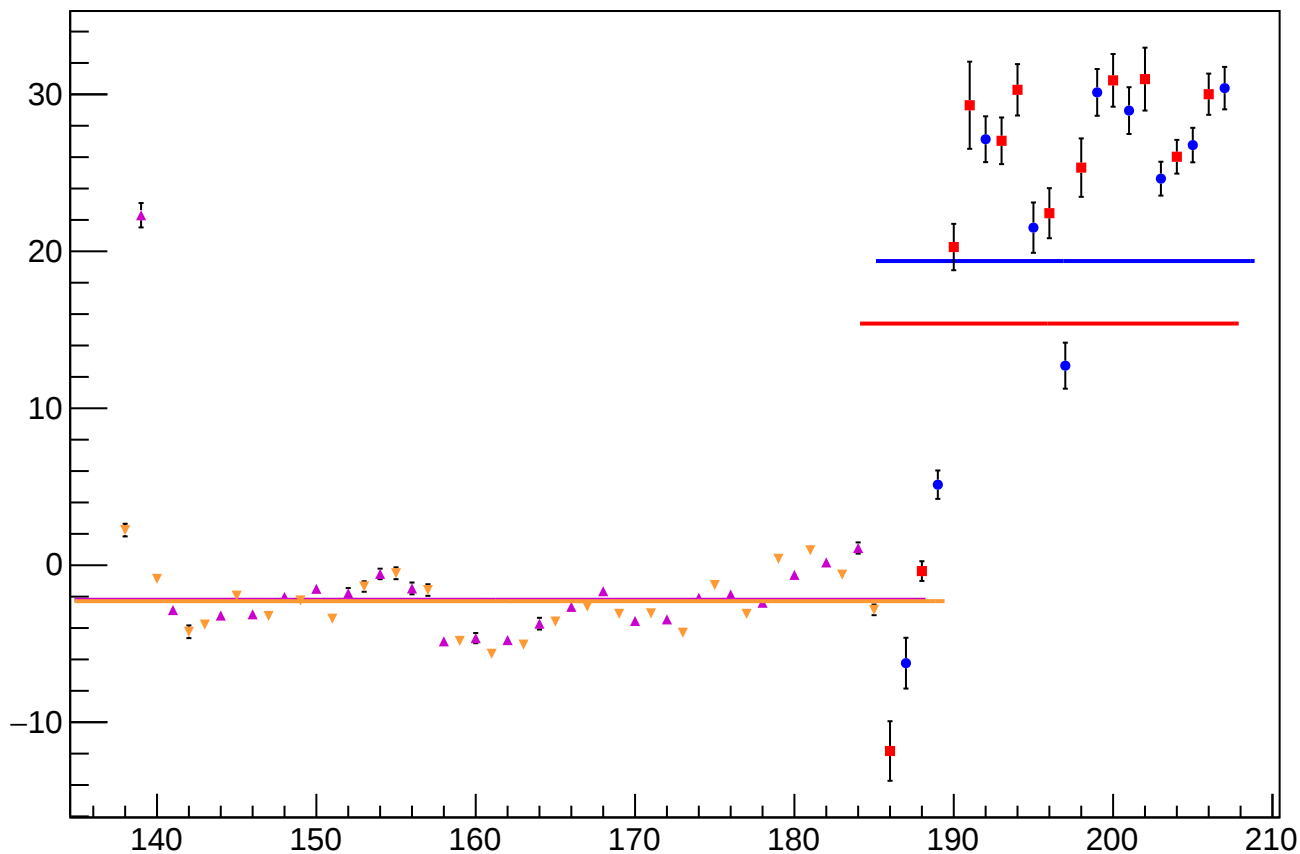
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign 0.248 ± 0.065 χ^2/NDF : 3673.7/34

All: 0.096 ± 0.046 χ^2/NDF : 7321.6/69

- sign -0.060 ± 0.066 χ^2/NDF : 3636.8/34

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 19.381 ± 0.406 $\chi^2/\text{NDF}: 777.8/9$

Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$

Right Out: 15.397 ± 0.379 $\chi^2/\text{NDF}: 1432.1/11$

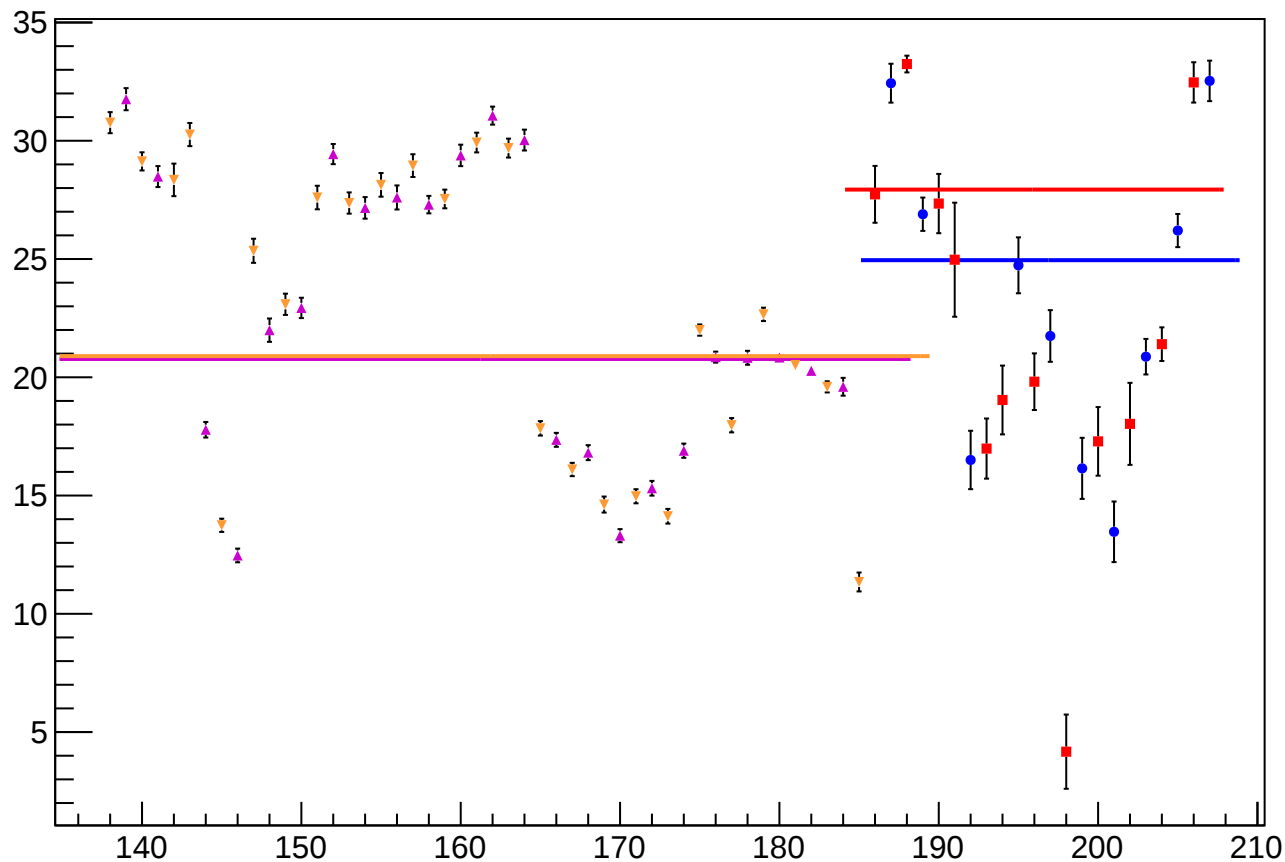
Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -1.910 ± 0.054 $\chi^2/\text{NDF}: 4711.6/34$

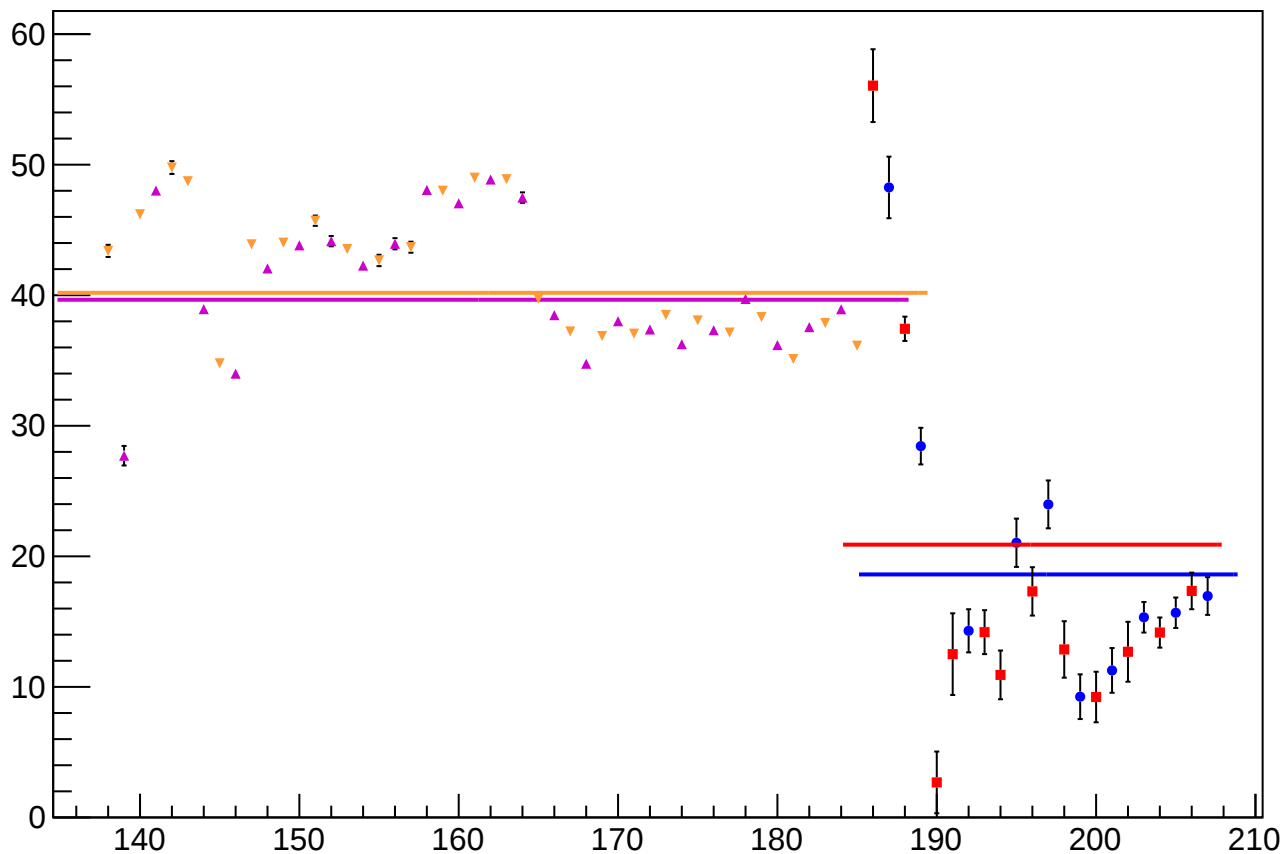
All: -1.872 ± 0.038 $\chi^2/\text{NDF}: 9929.0/69$

- sign -1.834 ± 0.055 $\chi^2/\text{NDF}: 5216.4/34$

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 18.615+/-0.484 χ^2 /NDF: 288.1/9

Left Out: 40.186+/-0.060 χ^2 /NDF: 5932.7/24

Right Out: 20.895+/-0.475 χ^2 /NDF: 693.0/11

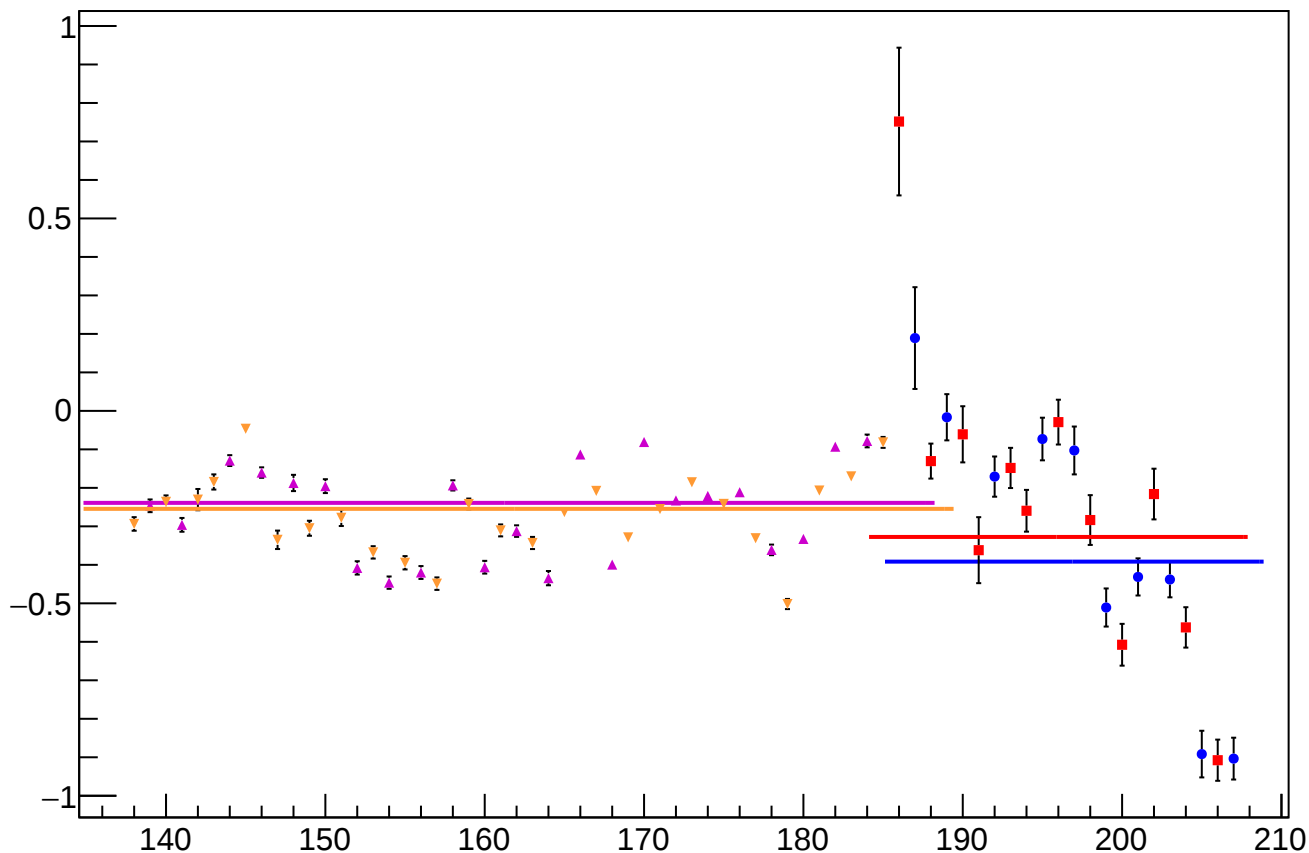
Left In: 39.655+/-0.061 χ^2 /NDF: 5298.6/22

+ sign 39.855+/-0.060 χ^2 /NDF: 8178.3/34

All: 39.605+/-0.043 χ^2 /NDF: 15737.5/69

- sign 39.347+/-0.061 χ^2 /NDF: 7523.9/34

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.392 ± 0.018 χ^2/NDF : 295.2/9

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.328 ± 0.017 χ^2/NDF : 271.1/11

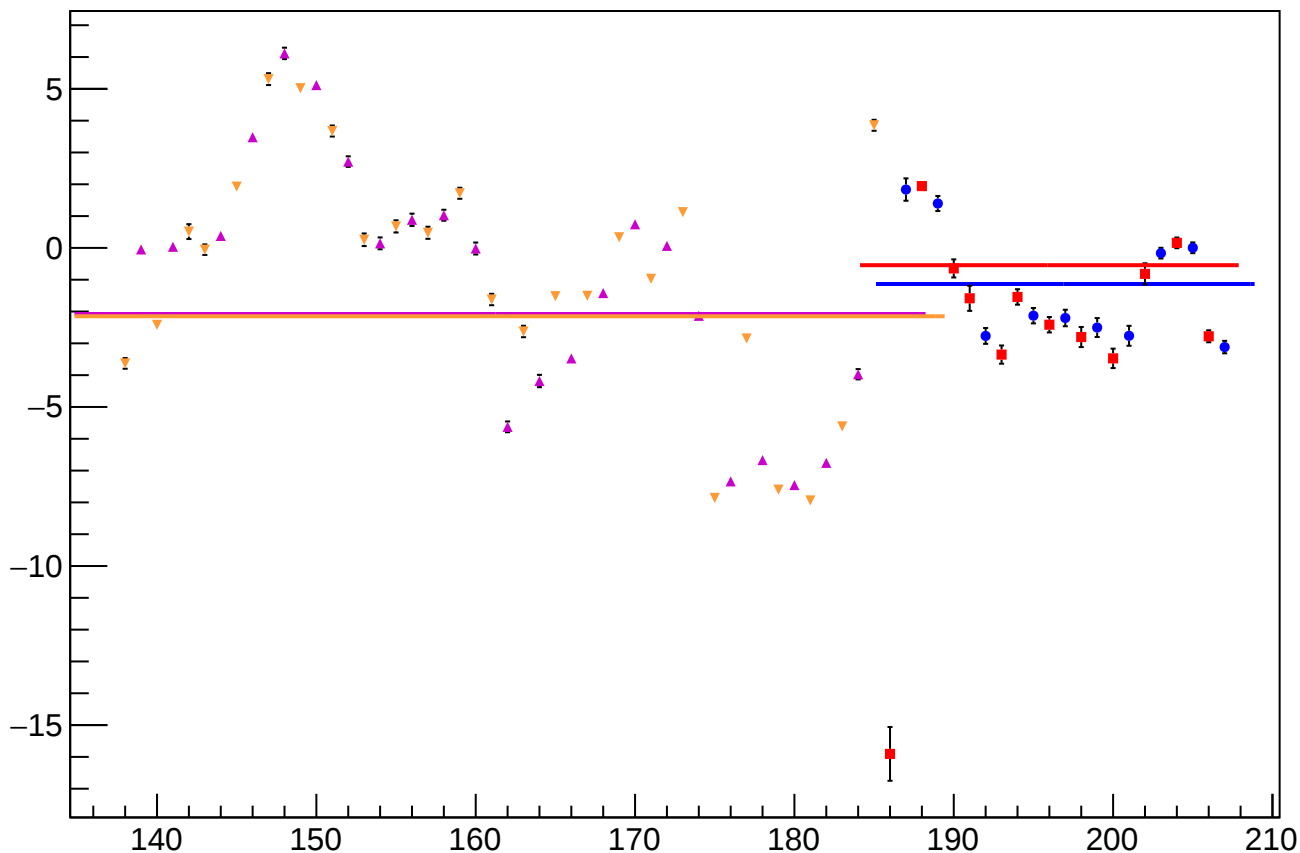
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.258 ± 0.003 χ^2/NDF : 1774.4/34

All: -0.250 ± 0.002 χ^2/NDF : 3840.0/69

- sign -0.241 ± 0.003 χ^2/NDF : 2047.3/34

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.135 ± 0.072 χ^2/NDF : 491.1/9

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.543 ± 0.064 χ^2/NDF : 1326.0/11

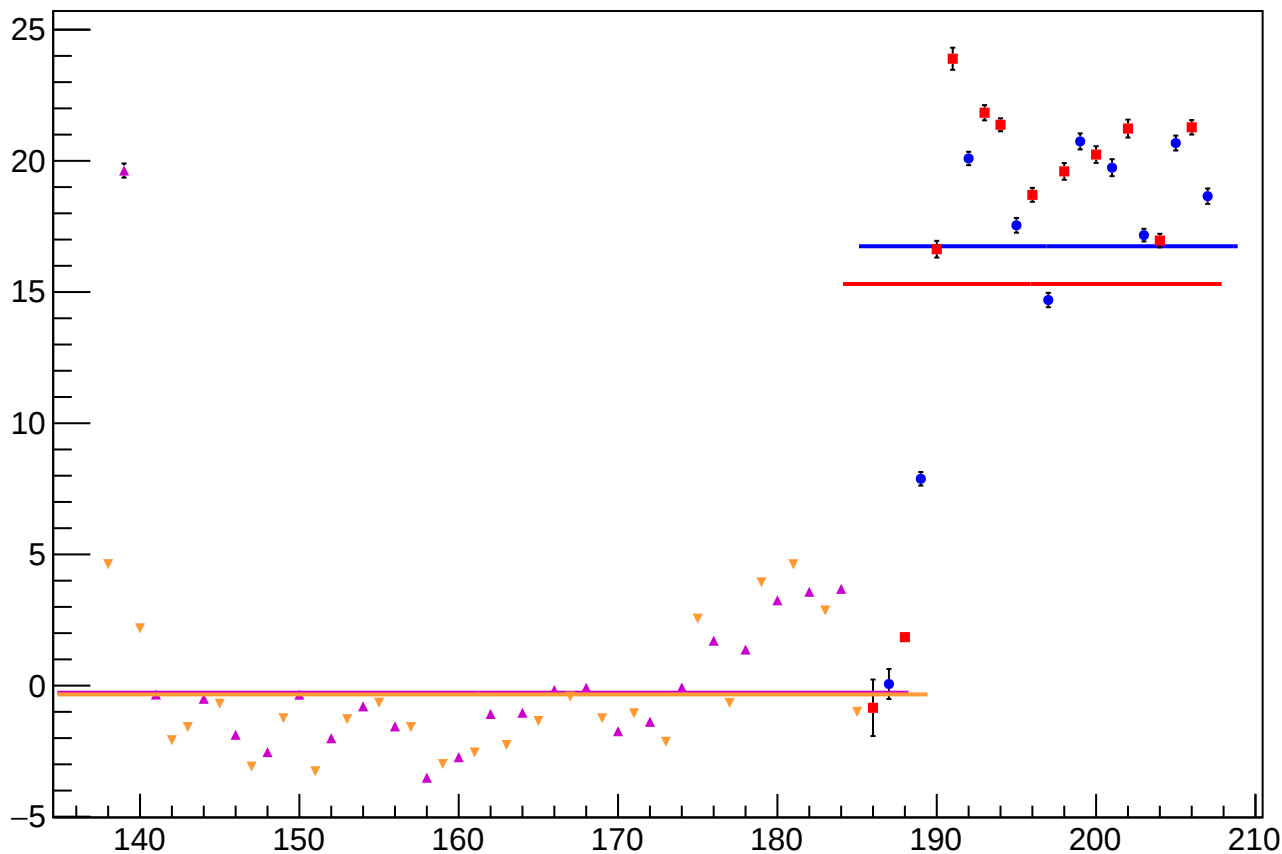
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -2.035 ± 0.024 χ^2/NDF : 25202.3/34

All: -1.948 ± 0.017 χ^2/NDF : 50291.6/69

- sign -1.860 ± 0.024 χ^2/NDF : 25063.1/34

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 16.745 ± 0.091 $\chi^2/\text{NDF}: 2751.3/9$

Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$

Right Out: 15.308 ± 0.081 $\chi^2/\text{NDF}: 10111.8/11$

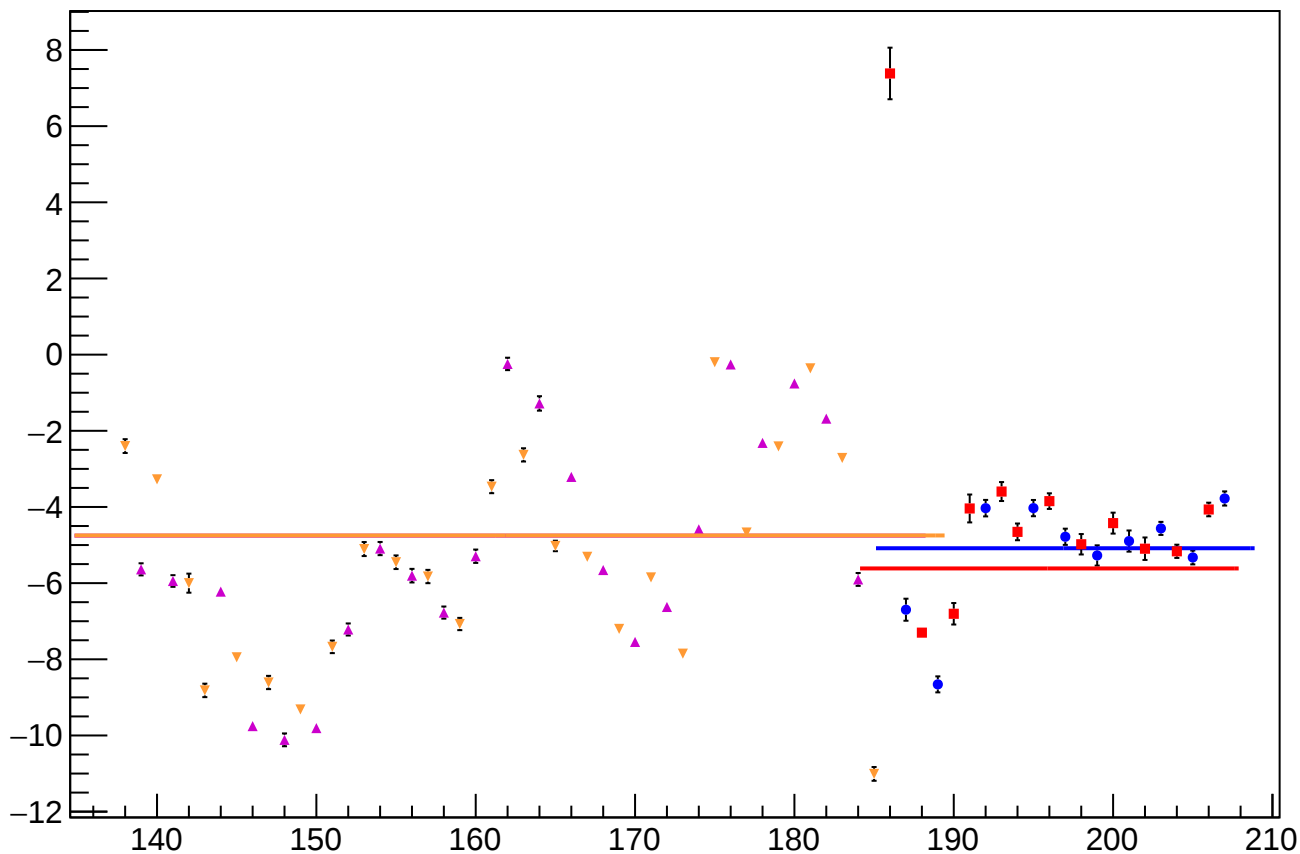
Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign 0.497 ± 0.020 $\chi^2/\text{NDF}: 48890.6/34$

All: 0.604 ± 0.014 $\chi^2/\text{NDF}: 107271.0/69$

- sign 0.713 ± 0.020 $\chi^2/\text{NDF}: 58323.0/34$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.084 ± 0.067 χ^2/NDF : 431.4/9

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -5.614 ± 0.057 χ^2/NDF : 1032.1/11

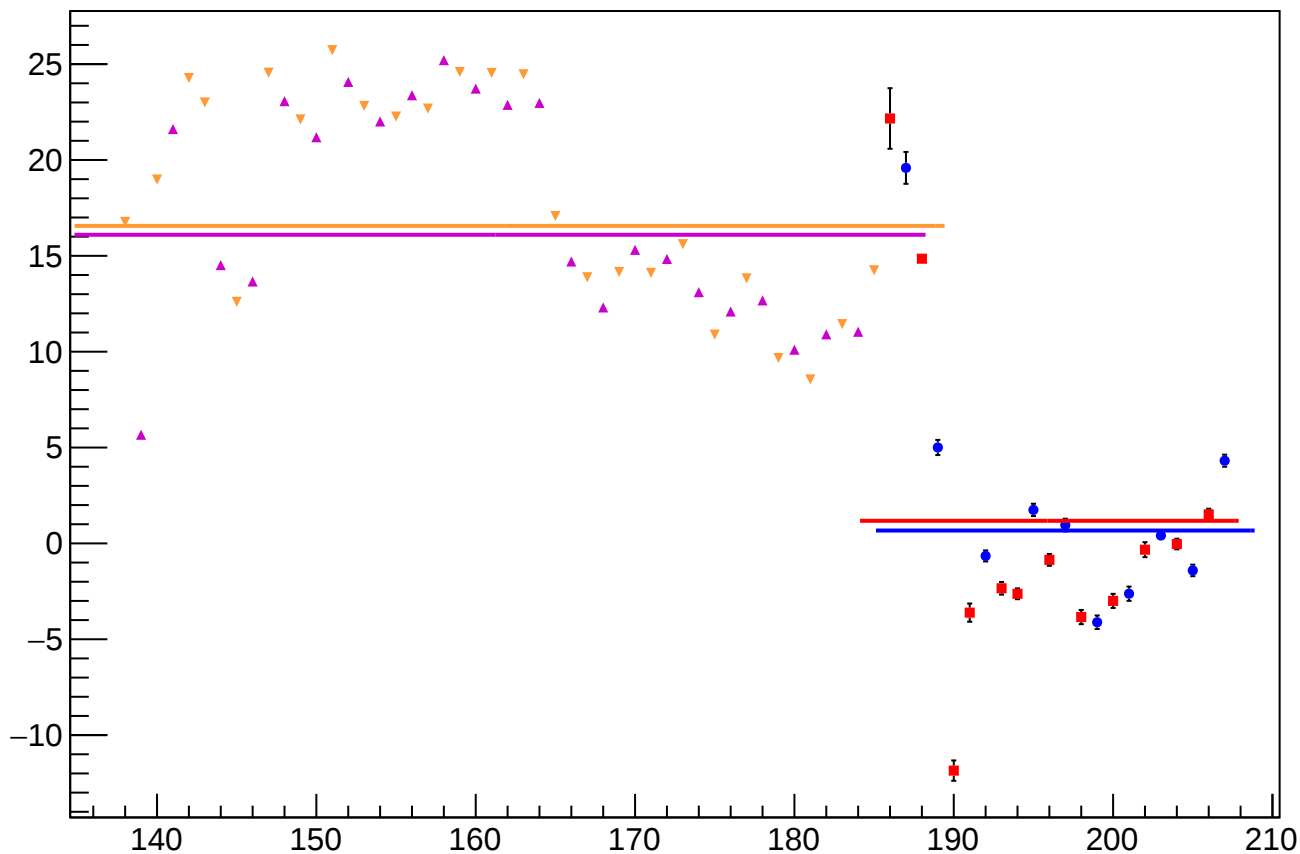
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.791 ± 0.024 χ^2/NDF : 13742.8/34

All: -4.849 ± 0.017 χ^2/NDF : 29096.1/69

- sign -4.905 ± 0.024 χ^2/NDF : 15342.0/34

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.671 ± 0.106 χ^2/NDF : 1115.6/9

Left Out: 16.563 ± 0.023 χ^2/NDF : 53858.5/24

Right Out: 1.179 ± 0.098 χ^2/NDF : 4983.0/11

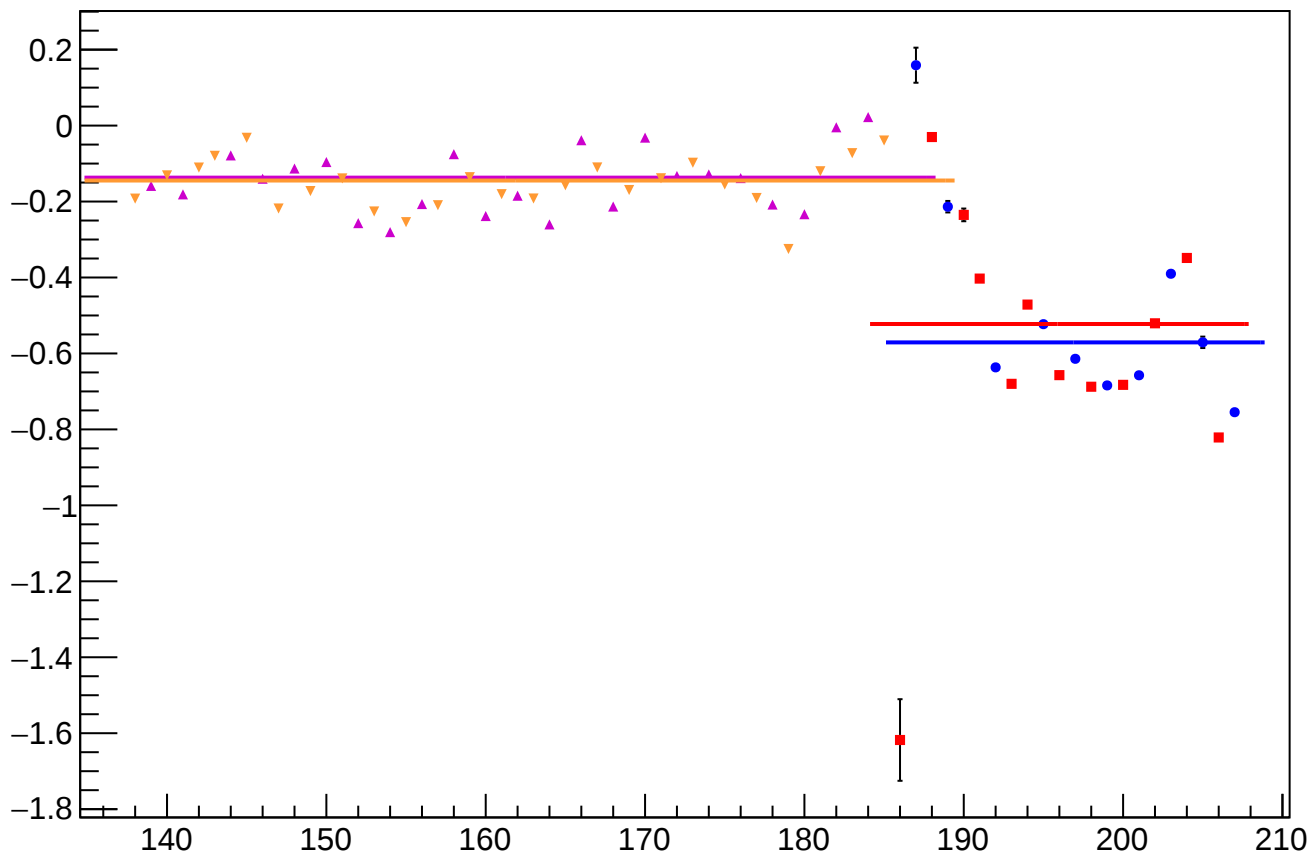
Left In: 16.098 ± 0.024 χ^2/NDF : 42345.7/22

+ sign 15.834 ± 0.023 χ^2/NDF : 76583.0/34

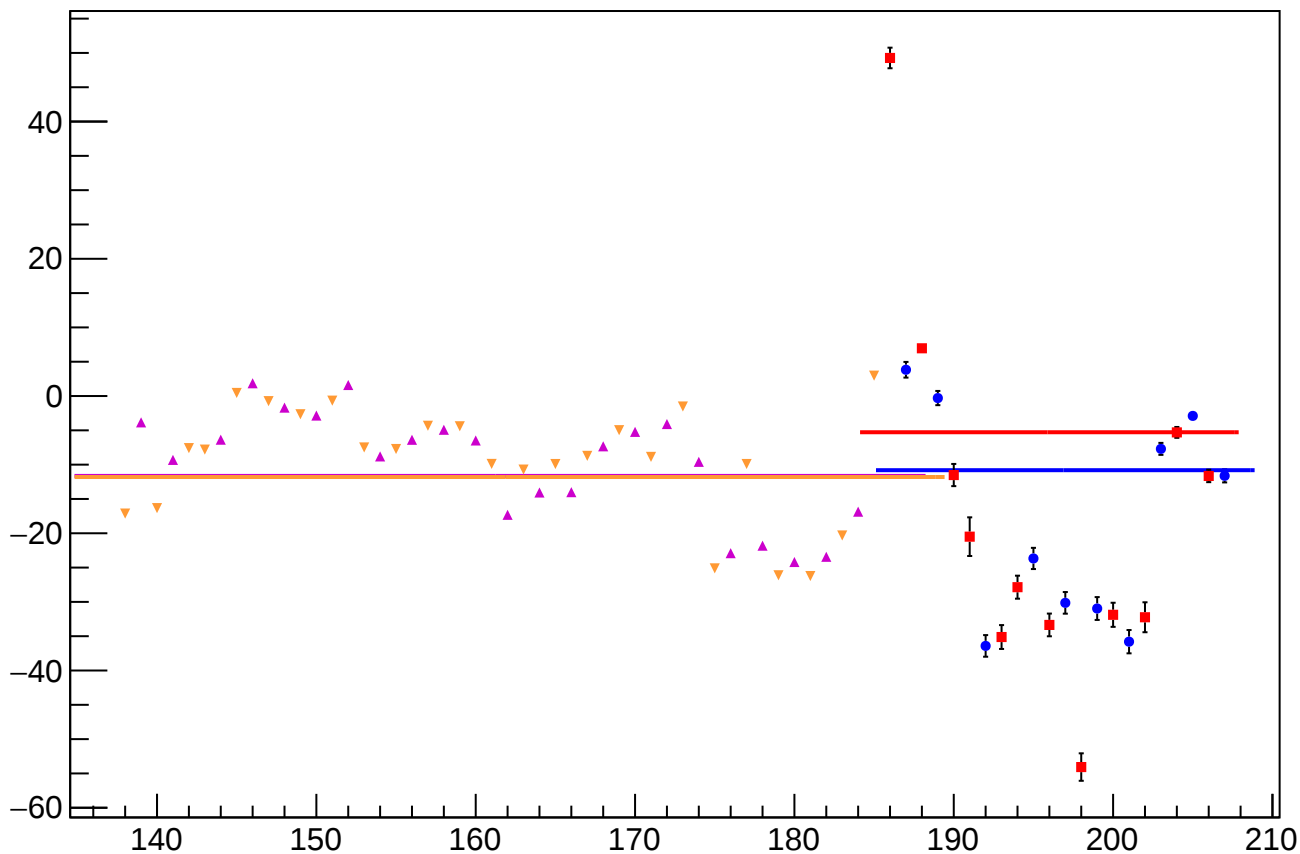
All: 15.560 ± 0.016 χ^2/NDF : 146225.0/69

- sign 15.279 ± 0.023 χ^2/NDF : 69344.6/34

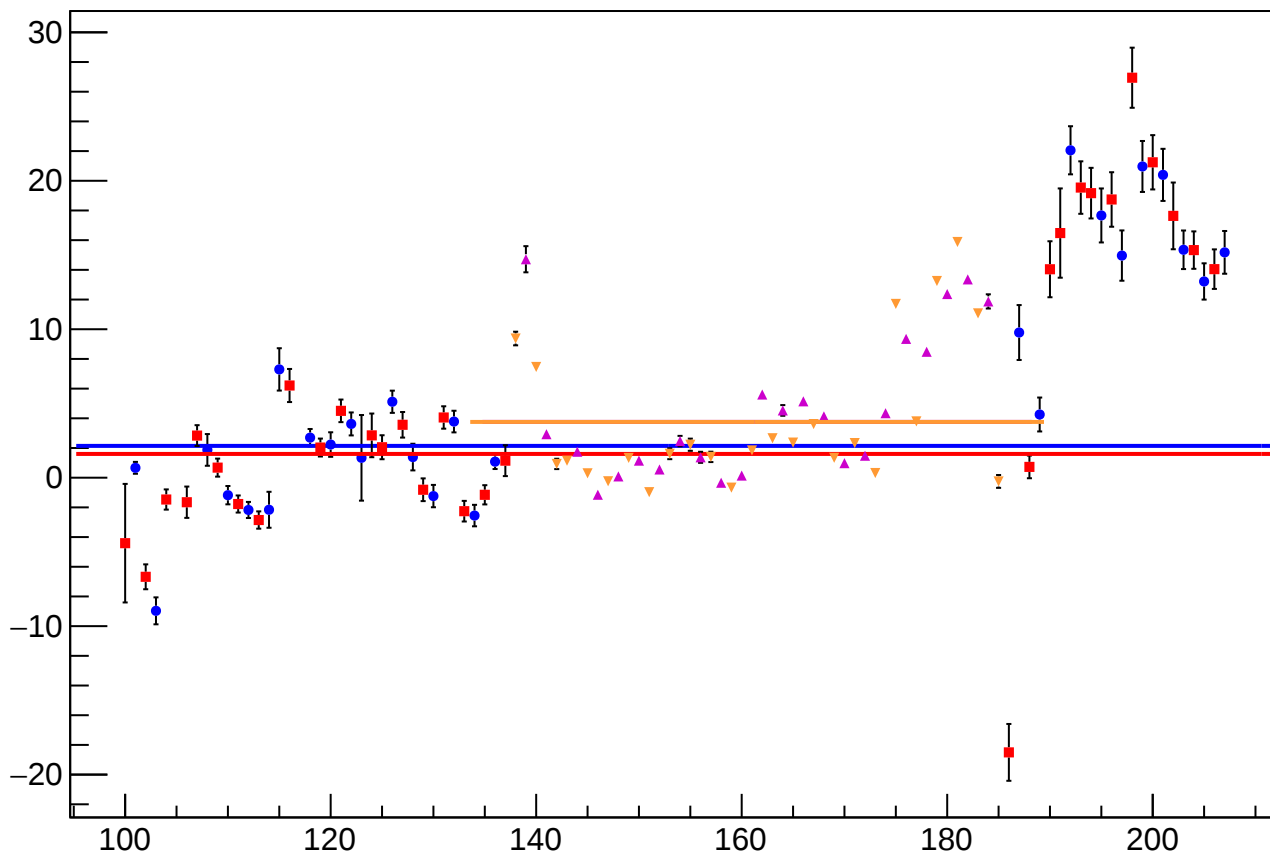
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.143 $\pm$ 0.160 χ^2 /NDF: 1172.4/26

Left Out: 3.757 $\pm$ 0.056 χ^2 /NDF: 7450.7/24

Right Out: 1.600 $\pm$ 0.162 χ^2 /NDF: 1340.7/30

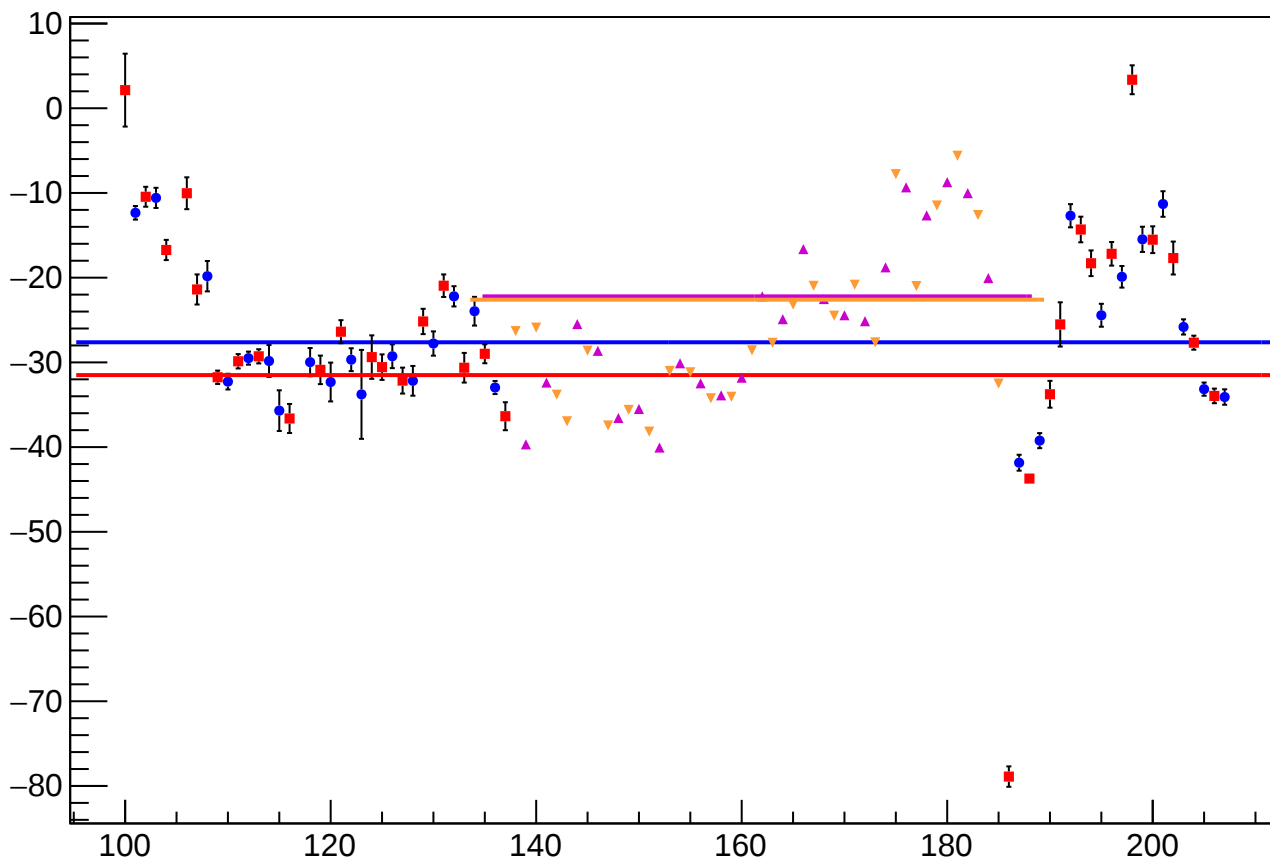
Left In: 3.757 $\pm$ 0.057 χ^2 /NDF: 5629.4/22

+ sign 3.584 $\pm$ 0.052 χ^2 /NDF: 8713.6/51

All: 3.554 $\pm$ 0.037 χ^2 /NDF: 15841.7/105

- sign 3.523 $\pm$ 0.053 χ^2 /NDF: 7127.5/53

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -27.627 ± 0.223 χ^2/NDF : 1570.6/26

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -31.500 ± 0.208 χ^2/NDF : 4086.3/30

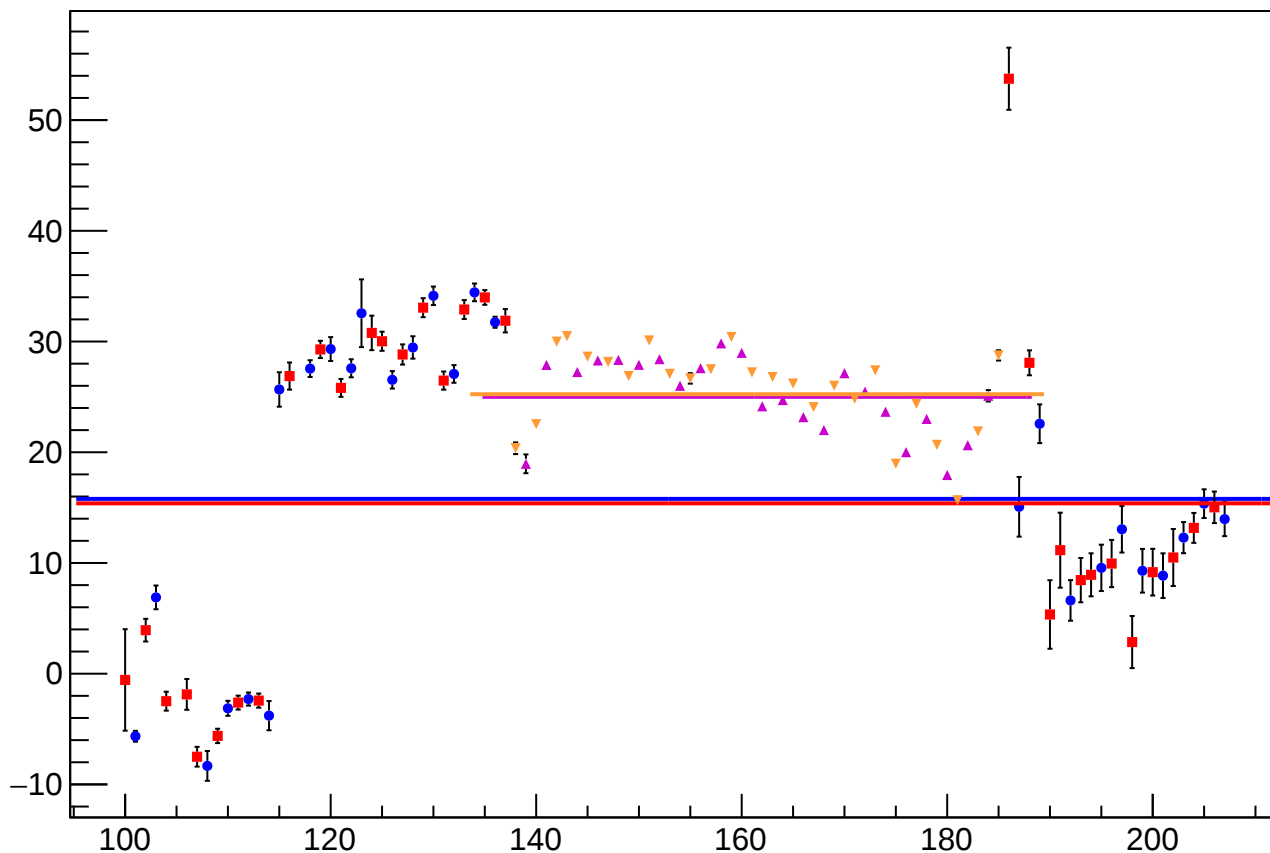
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -23.057 ± 0.067 χ^2/NDF : 21966.5/51

All: -23.123 ± 0.048 χ^2/NDF : 45459.2/105

- sign -23.189 ± 0.068 χ^2/NDF : 23490.8/53

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.788+/-0.182 χ^2 /NDF: 7626.0/26

Left Out: 25.242+/-0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.387+/-0.185 χ^2 /NDF: 7660.8/30

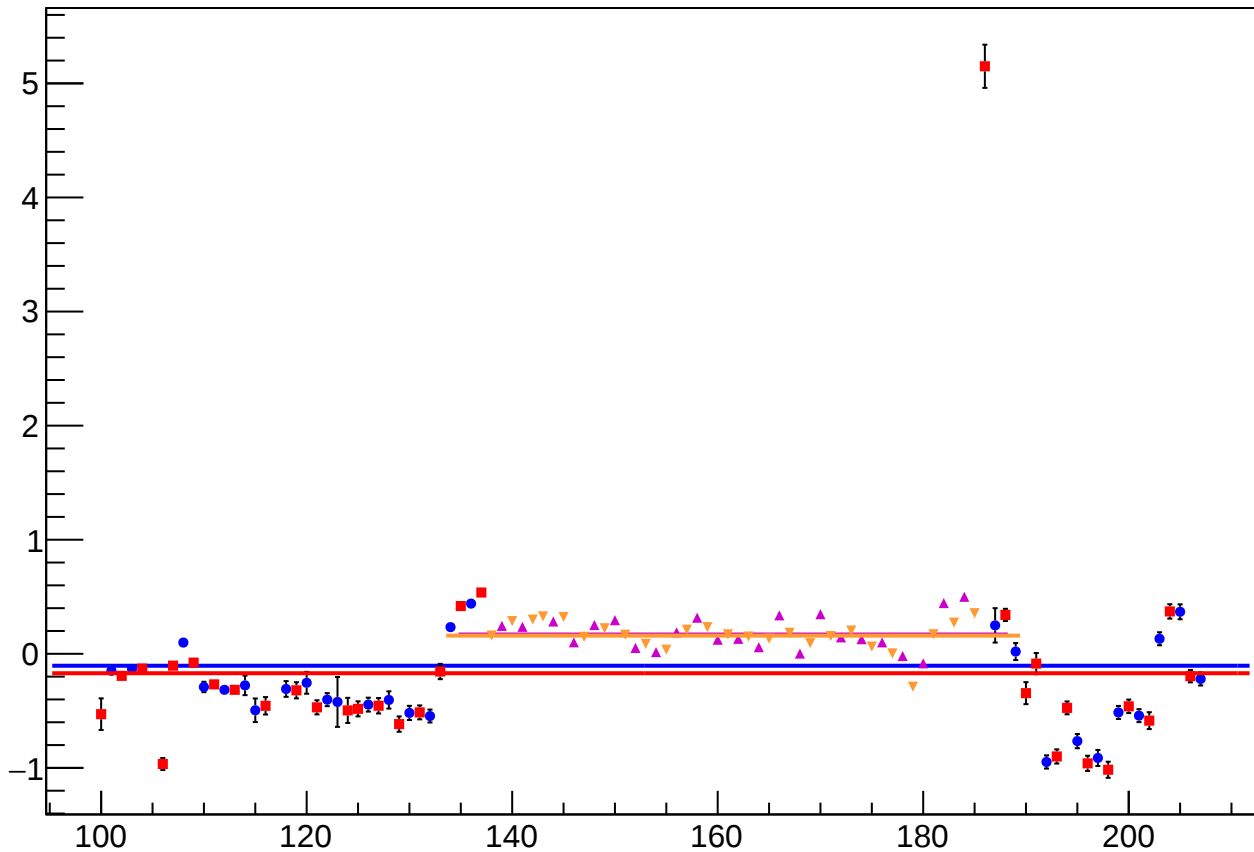
Left In: 25.009+/-0.064 χ^2 /NDF: 2722.0/22

+ sign 24.239+/-0.059 χ^2 /NDF: 13829.5/51

All: 24.116+/-0.042 χ^2 /NDF: 26630.7/105

- sign 23.988+/-0.060 χ^2 /NDF: 12792.4/53

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.105 ± 0.009 $\chi^2/\text{NDF}: 1705.3/26$

Left Out: 0.159 ± 0.003 $\chi^2/\text{NDF}: 1864.2/24$

Right Out: -0.170 ± 0.009 $\chi^2/\text{NDF}: 2636.6/30$

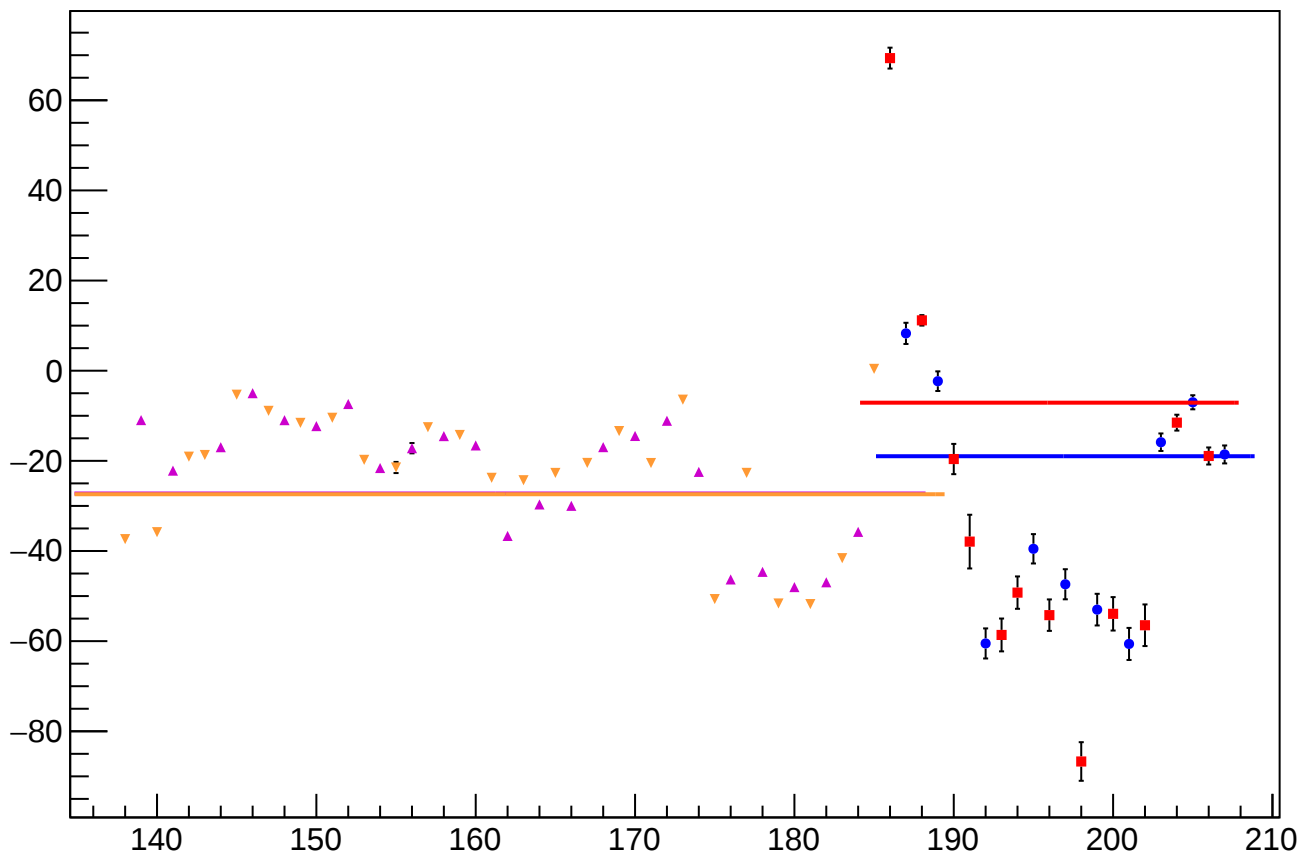
Left In: 0.169 ± 0.003 $\chi^2/\text{NDF}: 2418.8/22$

+ sign 0.136 ± 0.003 $\chi^2/\text{NDF}: 4318.6/51$

All: 0.137 ± 0.002 $\chi^2/\text{NDF}: 10620.3/105$

- sign 0.138 ± 0.003 $\chi^2/\text{NDF}: 6301.5/53$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -18.974 ± 0.755 χ^2/NDF : 752.4/9

Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24

Right Out: -7.094 ± 0.697 χ^2/NDF : 2561.2/11

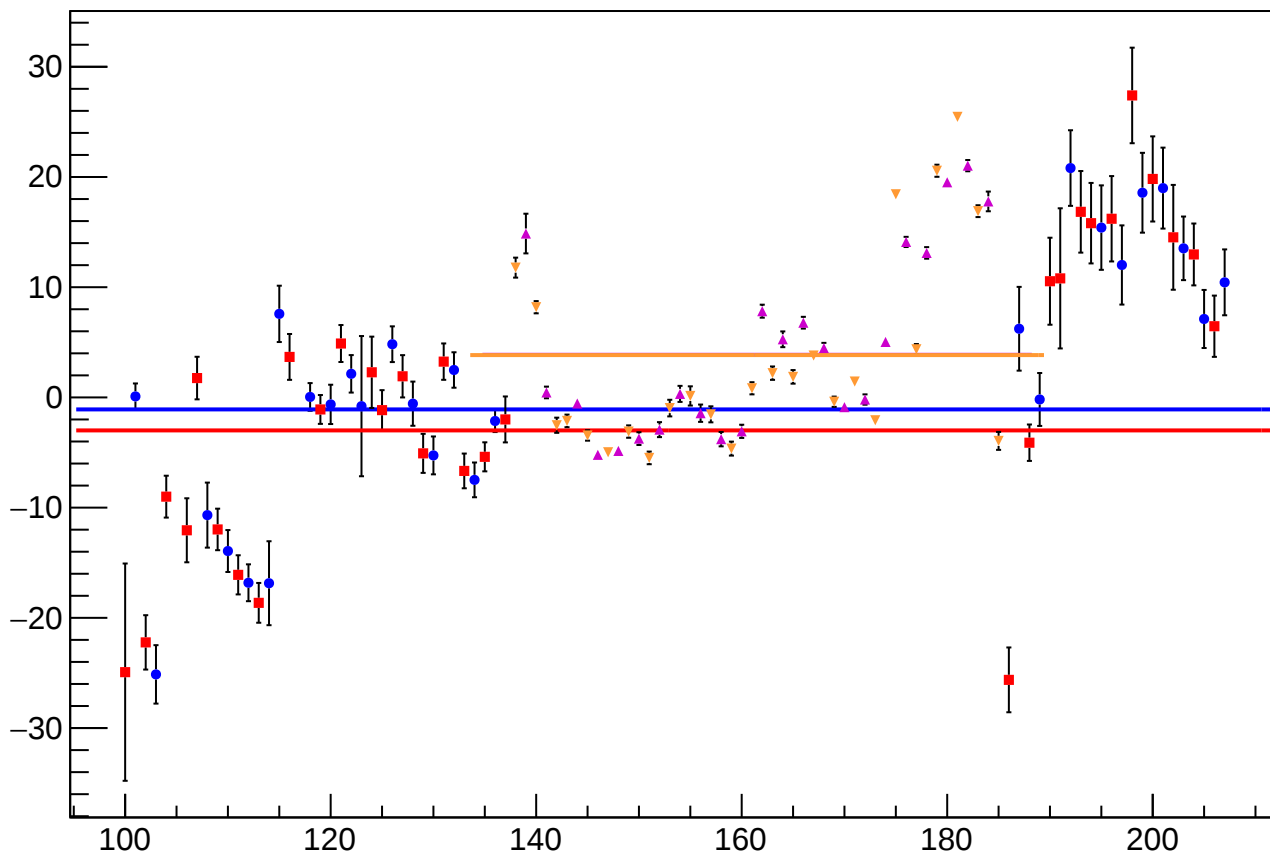
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -27.140 ± 0.135 χ^2/NDF : 15723.6/34

All: -26.810 ± 0.096 χ^2/NDF : 30404.8/69

- sign -26.469 ± 0.137 χ^2/NDF : 14669.0/34

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -1.088 ± 0.381 $\chi^2/\text{NDF}: 488.8/26$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -2.993 ± 0.387 $\chi^2/\text{NDF}: 610.8/30$

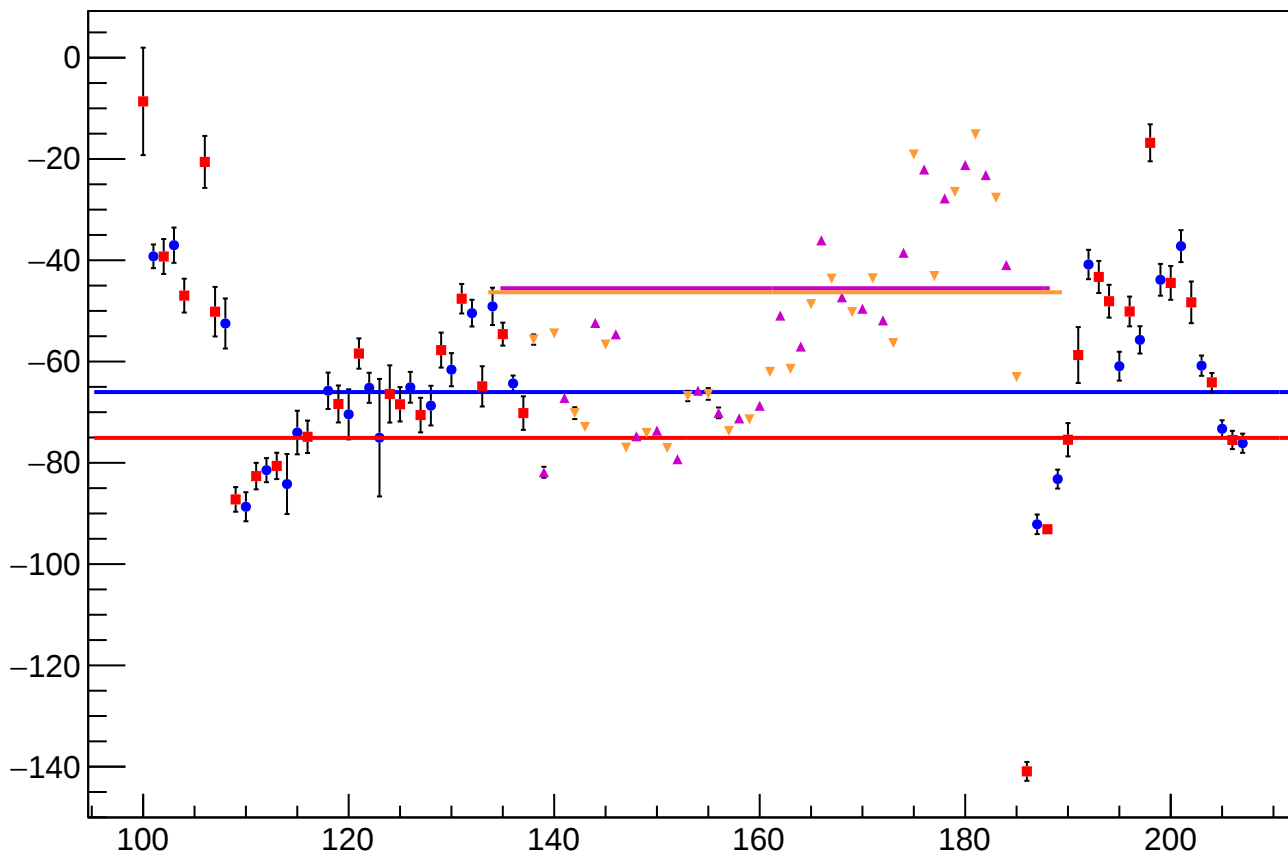
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.466 ± 0.105 $\chi^2/\text{NDF}: 7583.0/51$

All: 3.405 ± 0.075 $\chi^2/\text{NDF}: 13909.1/105$

- sign 3.342 ± 0.107 $\chi^2/\text{NDF}: 6325.4/53$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -66.028 ± 0.511 $\chi^2/\text{NDF}: 933.7/26$

Left Out: -46.318 ± 0.138 $\chi^2/\text{NDF}: 20134.6/24$

Right Out: -75.073 ± 0.474 $\chi^2/\text{NDF}: 2928.4/30$

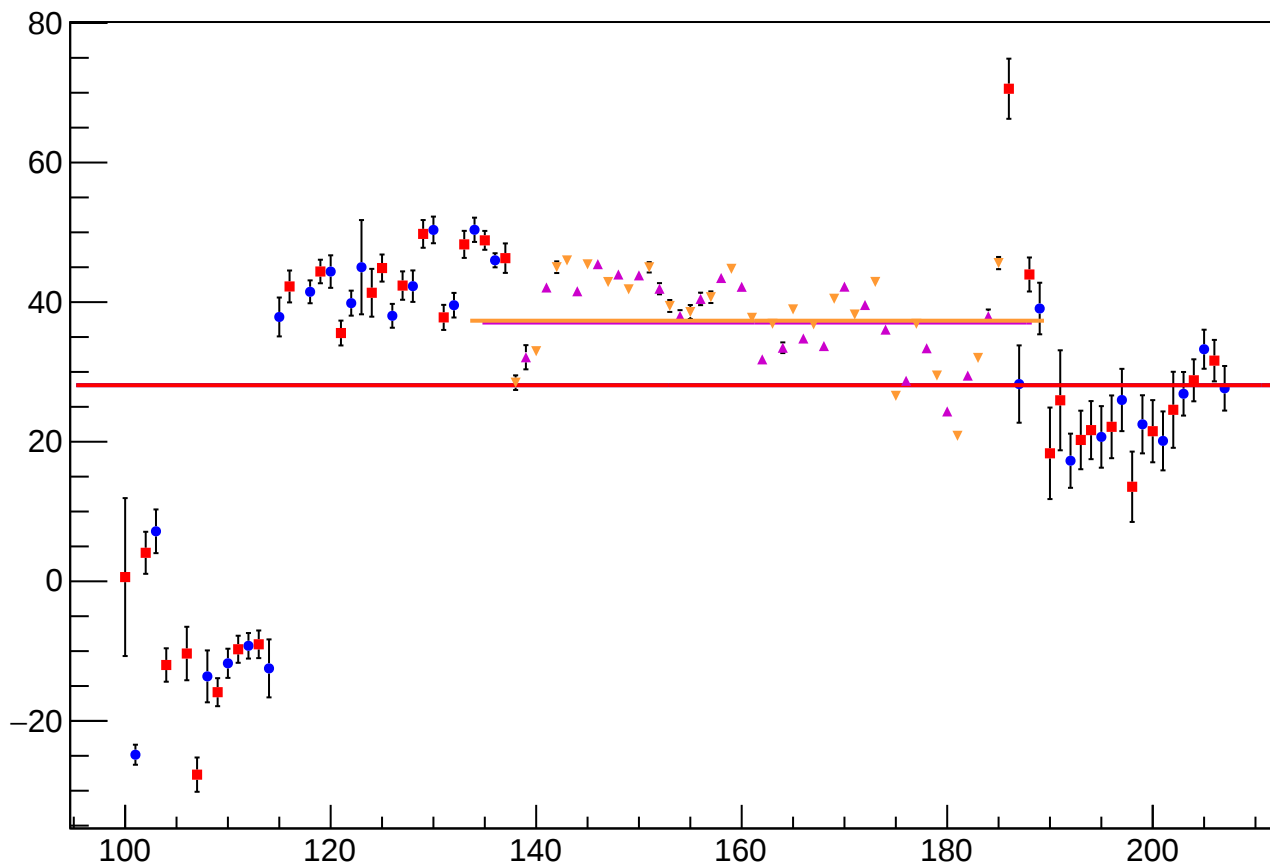
Left In: -45.522 ± 0.140 $\chi^2/\text{NDF}: 17525.4/22$

+ sign -47.659 ± 0.133 $\chi^2/\text{NDF}: 22457.5/51$

All: -47.772 ± 0.094 $\chi^2/\text{NDF}: 46490.9/105$

- sign -47.886 ± 0.134 $\chi^2/\text{NDF}: 24031.9/53$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.103+/-0.429 χ^2/NDF : 3339.6/26

Left Out: 37.340+/-0.123 χ^2/NDF :3149.1/24

Right Out: 28.097+/-0.442 χ^2/NDF : 3195.5/30

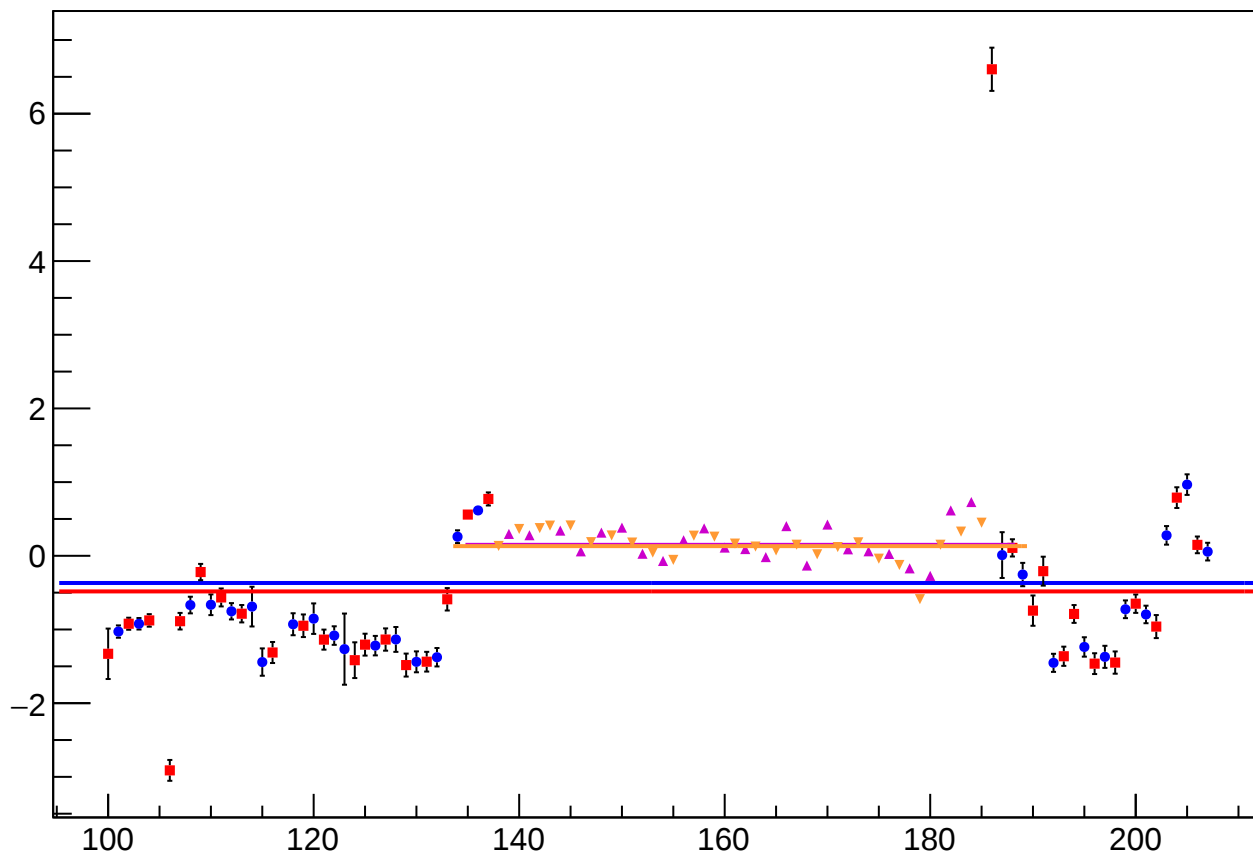
Left In: 37.074+/-0.125 χ^2/NDF :2397.3/22

+ sign 36.641+/-0.118 χ^2/NDF : 6916.5/51

All: 36.526+/-0.084 χ^2/NDF : 12893.5/105

- sign 36.407+/-0.120 χ^2/NDF : 5975.1/53

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.369 ± 0.022 χ^2/NDF : 1333.6/26

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.483 ± 0.022 χ^2/NDF : 2039.0/30

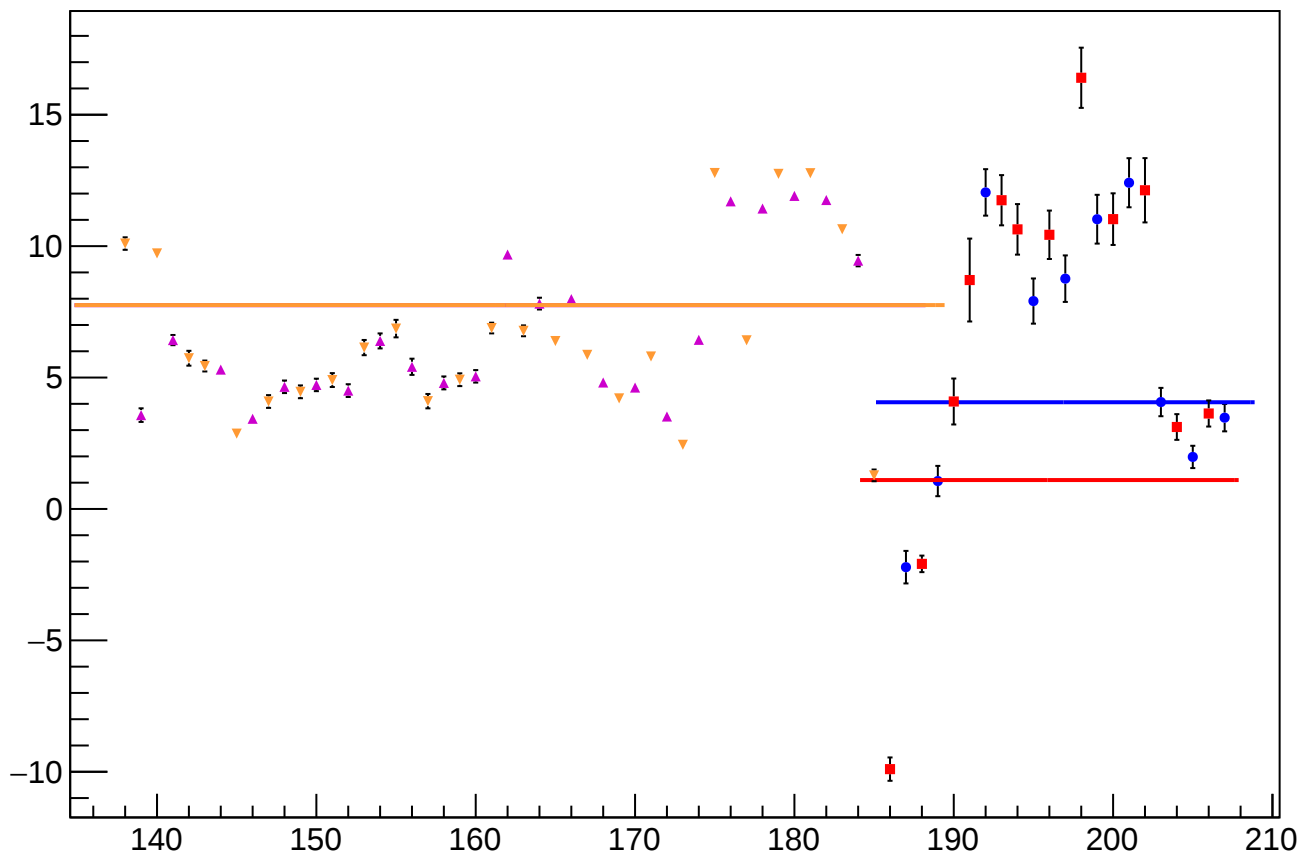
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.099 ± 0.005 χ^2/NDF : 3262.2/51

All: 0.104 ± 0.004 χ^2/NDF : 7888.5/105

- sign 0.108 ± 0.006 χ^2/NDF : 4625.0/53

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 4.060 ± 0.202 $\chi^2/\text{NDF}: 421.2/9$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: 1.100 ± 0.180 $\chi^2/\text{NDF}: 1480.9/11$

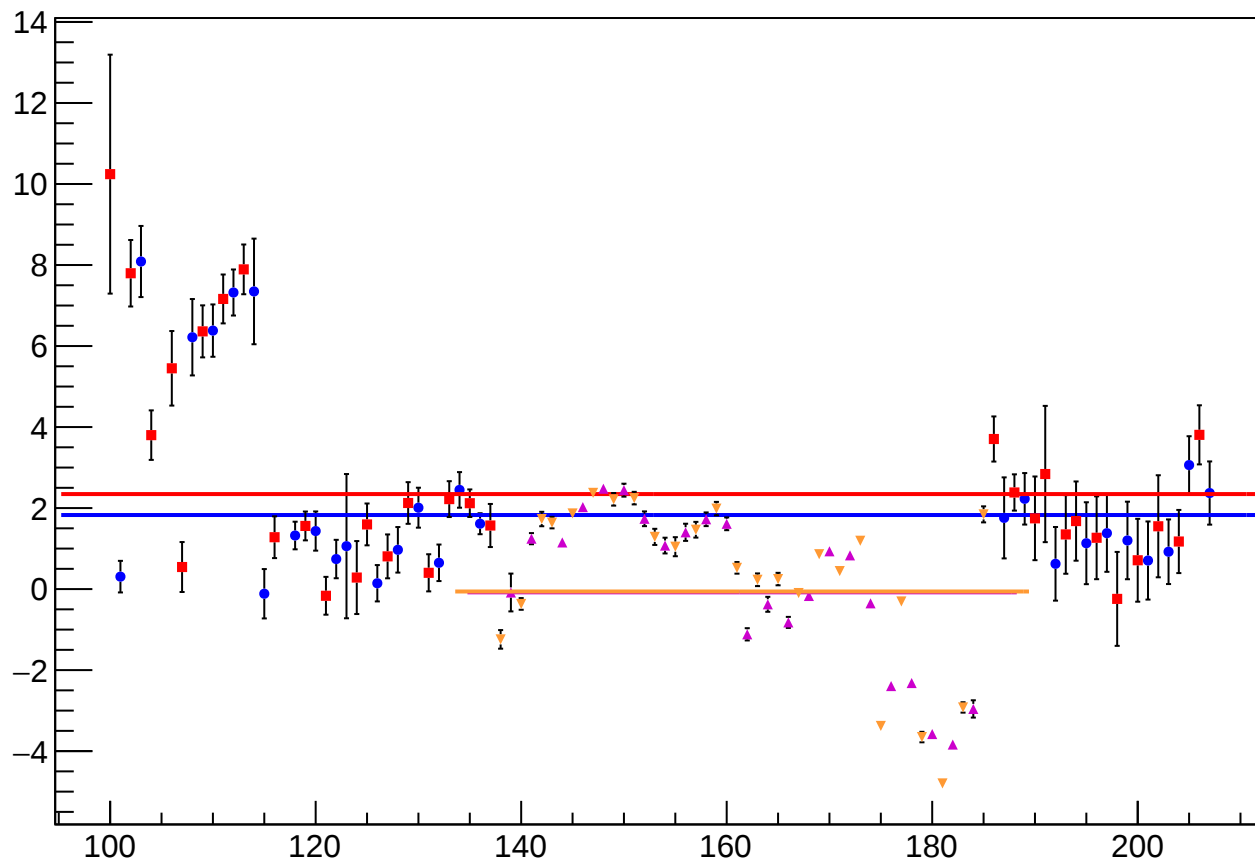
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.653 ± 0.034 $\chi^2/\text{NDF}: 12475.6/34$

All: 7.582 ± 0.024 $\chi^2/\text{NDF}: 23629.3/69$

- sign 7.509 ± 0.034 $\chi^2/\text{NDF}: 11144.8/34$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.829 ± 0.107 $\chi^2/\text{NDF}: 302.7/26$

Left Out: -0.059 ± 0.028 $\chi^2/\text{NDF}: 6068.8/24$

Right Out: 2.346 ± 0.109 $\chi^2/\text{NDF}: 358.8/30$

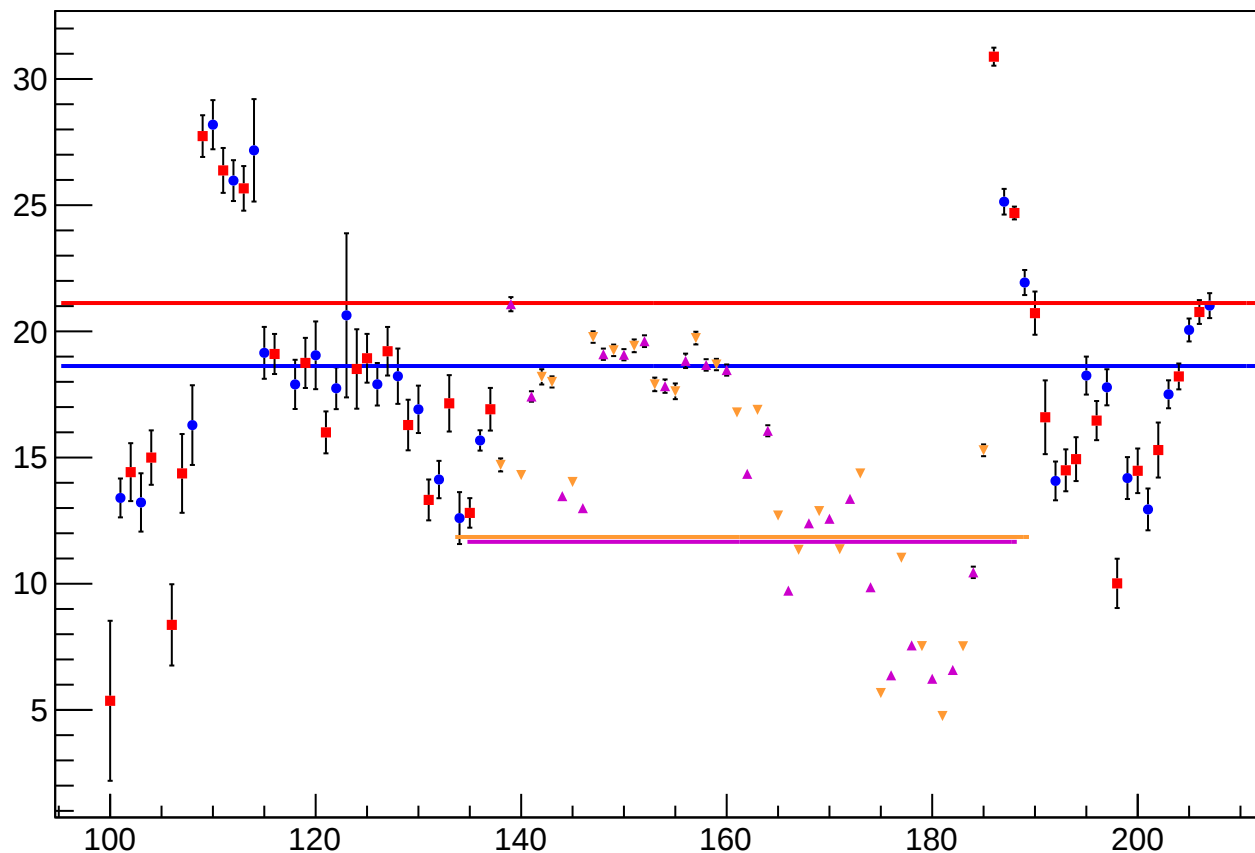
Left In: -0.080 ± 0.028 $\chi^2/\text{NDF}: 4979.5/22$

+ sign 0.059 ± 0.027 $\chi^2/\text{NDF}: 6661.4/51$

All: 0.066 ± 0.019 $\chi^2/\text{NDF}: 12467.3/105$

- sign 0.073 ± 0.027 $\chi^2/\text{NDF}: 5805.7/53$

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.627 $\pm$ 0.141 χ^2 /NDF: 756.1/26

Left Out: 11.853 $\pm$ 0.035 χ^2 /NDF:19149.4/24

Right Out: 21.123 $\pm$ 0.127 χ^2 /NDF: 2067.9/30

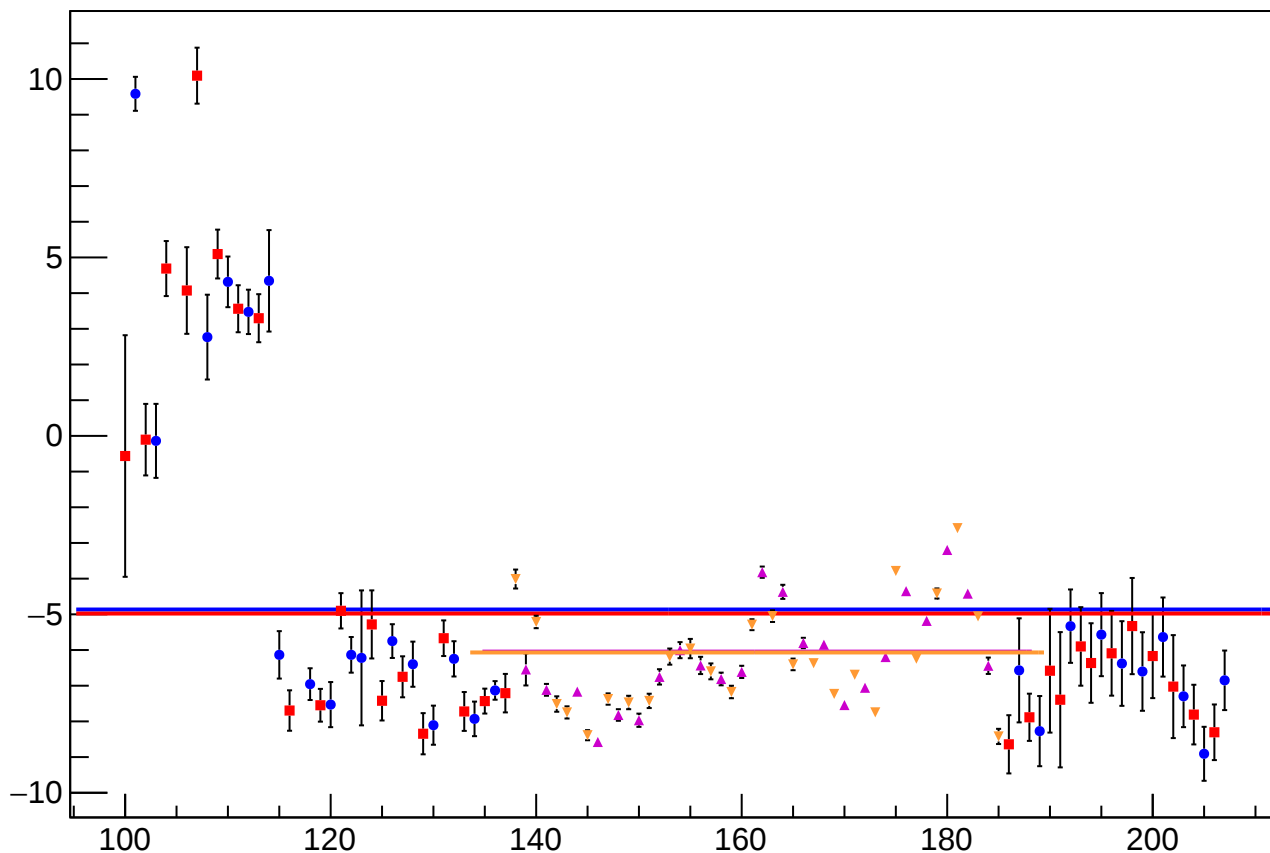
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.241 $\pm$ 0.034 χ^2 /NDF: 22091.1/51

All: 12.287 $\pm$ 0.024 χ^2 /NDF: 46017.8/105

- sign 12.333 $\pm$ 0.034 χ^2 /NDF: 23922.9/53

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -4.865 ± 0.121 χ^2/NDF : 1651.5/26

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.978 ± 0.124 χ^2/NDF : 1432.7/30

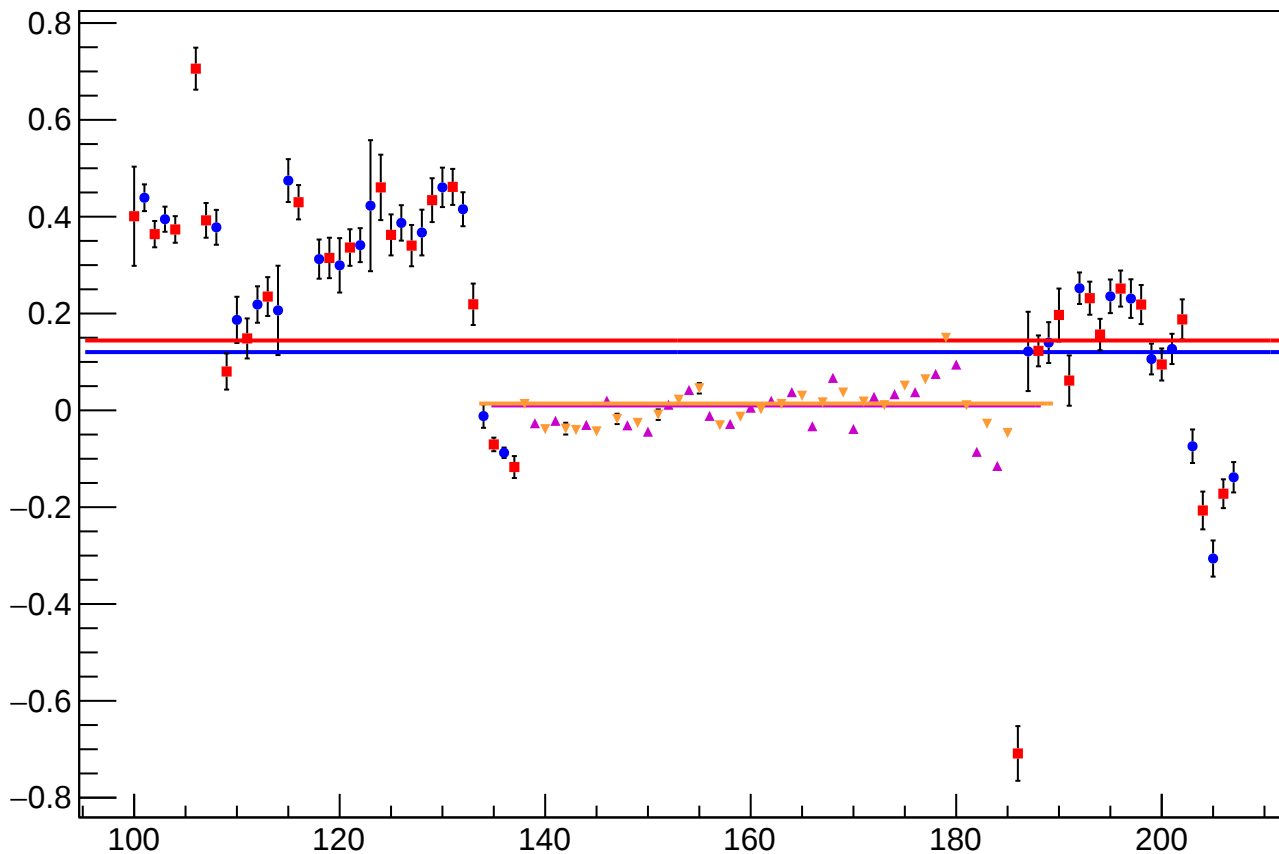
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.993 ± 0.030 χ^2/NDF : 4416.5/51

All: -5.987 ± 0.022 χ^2/NDF : 8212.2/105

- sign -5.980 ± 0.031 χ^2/NDF : 3795.6/53

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.120 $\pm$ 0.006 χ^2 /NDF: 1333.0/26

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF: 956.2/24

Right Out: 0.144 $\pm$ 0.006 χ^2 /NDF: 1473.8/30

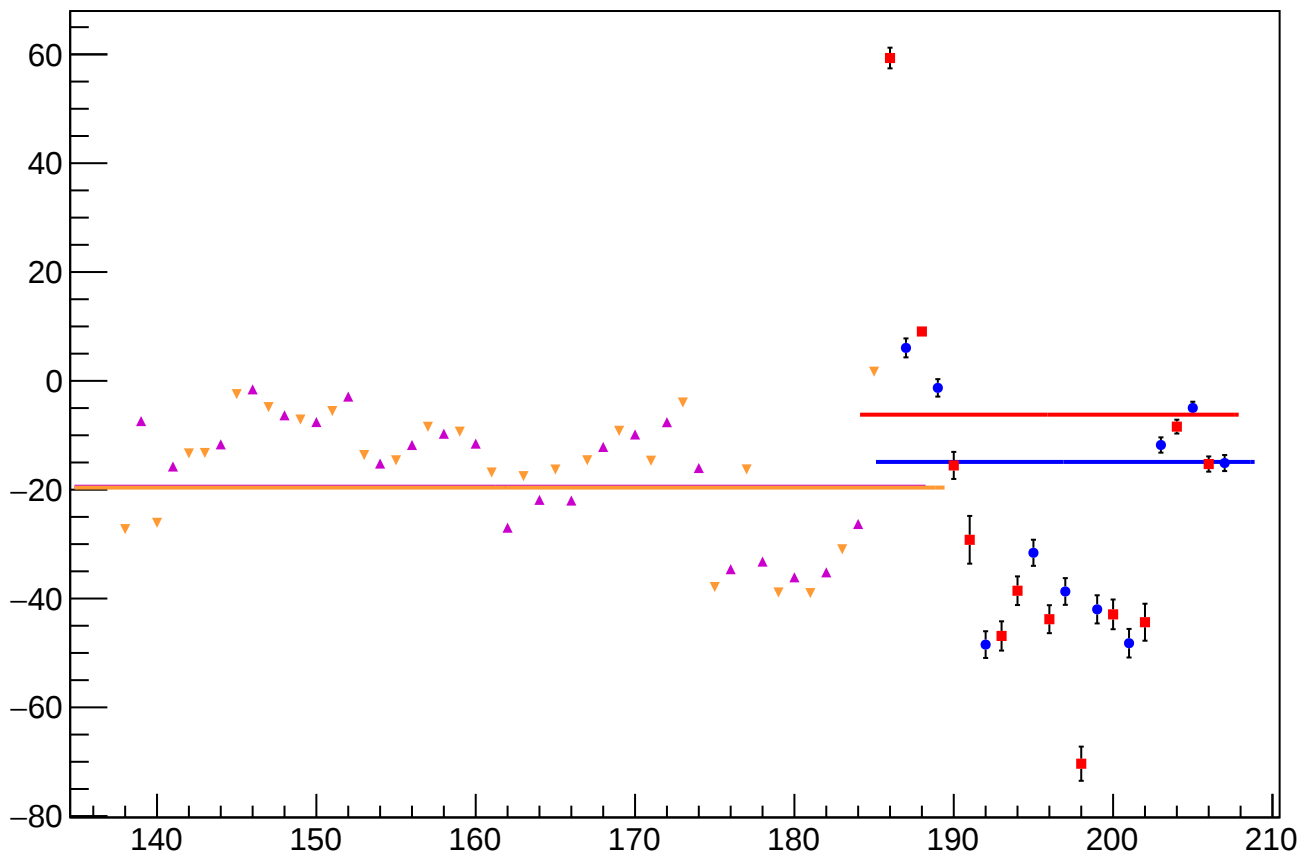
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.020 $\pm$ 0.001 χ^2 /NDF: 2585.1/51

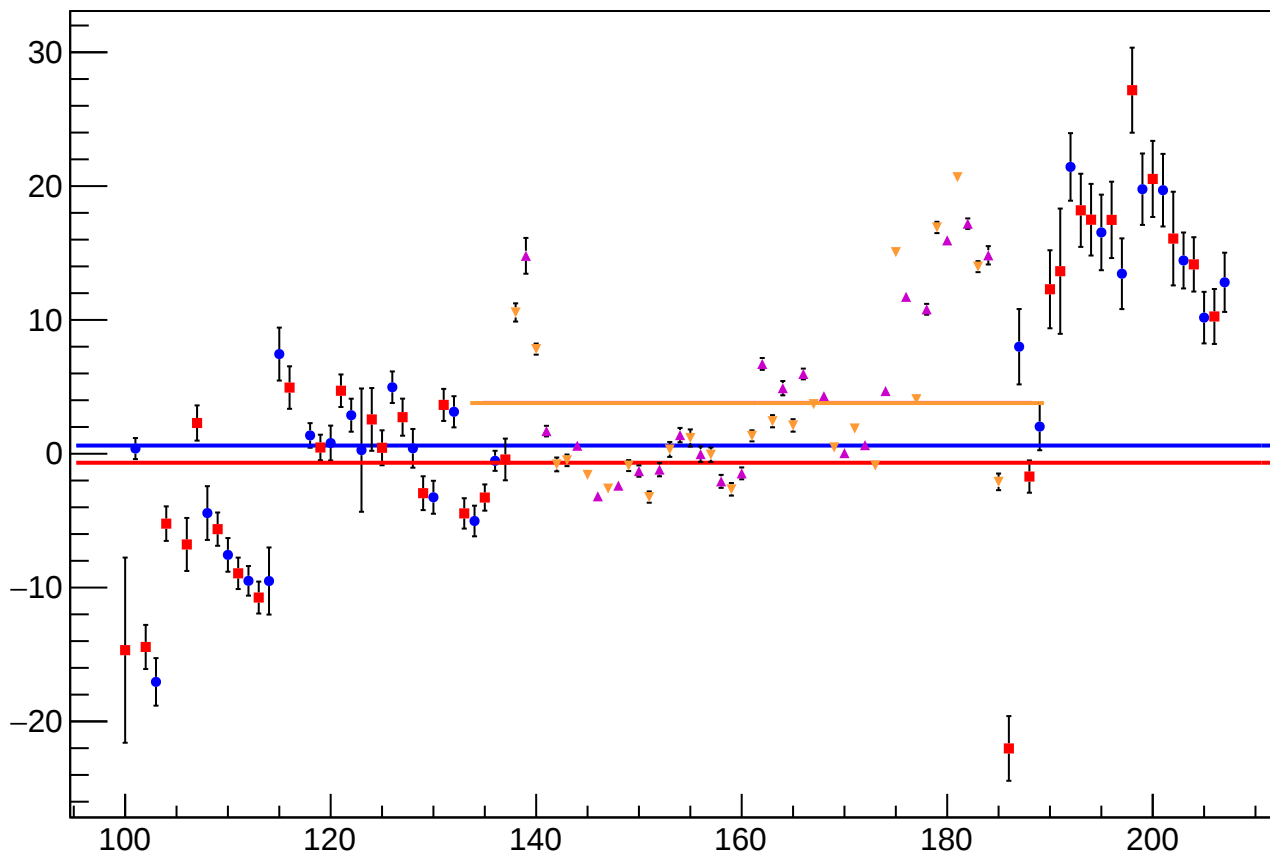
All: 0.019 $\pm$ 0.001 χ^2 /NDF: 5730.3/105

- sign 0.017 $\pm$ 0.001 χ^2 /NDF: 3143.7/53

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.613 ± 0.272 χ^2/NDF : 649.0/26

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -0.672 ± 0.276 χ^2/NDF : 793.1/30

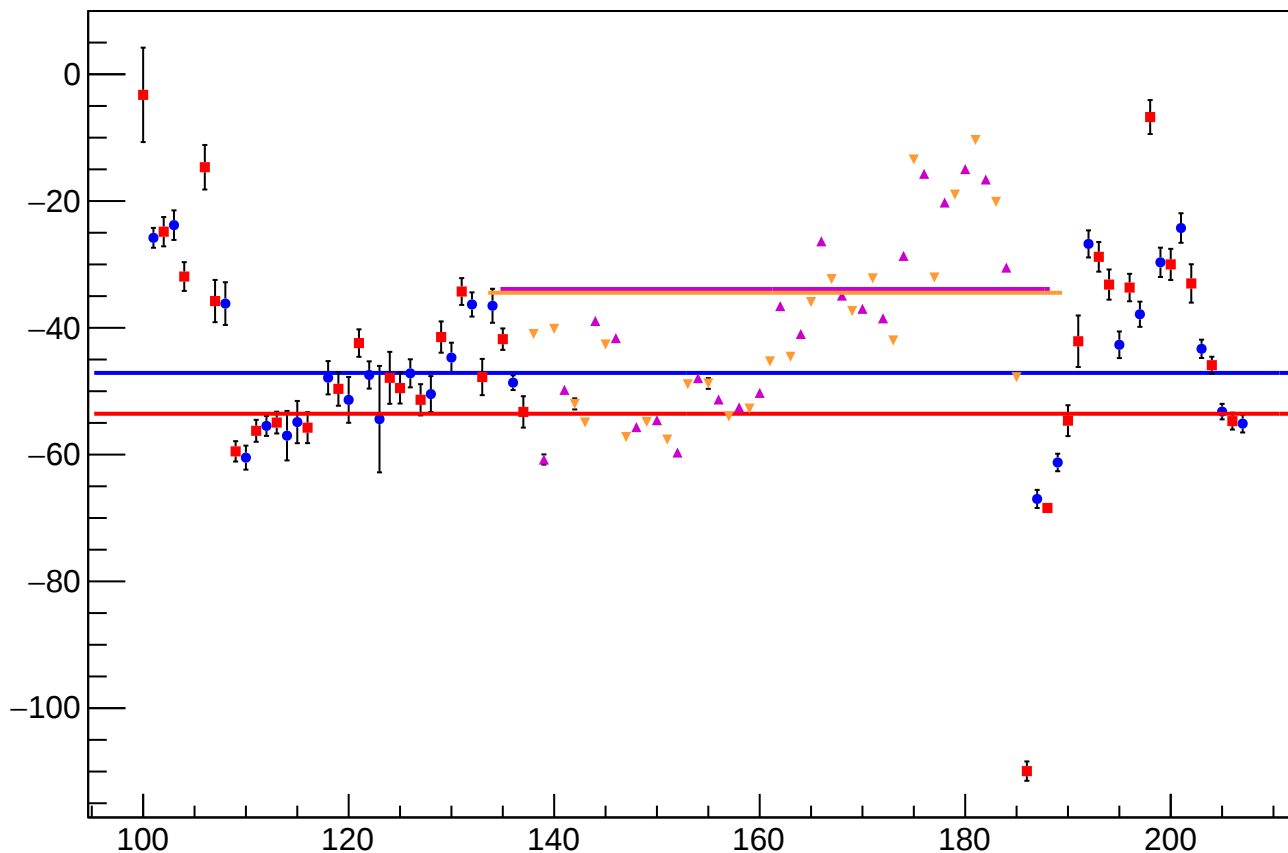
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.523 ± 0.079 χ^2/NDF : 7924.3/51

All: 3.474 ± 0.056 χ^2/NDF : 14475.2/105

- sign 3.424 ± 0.080 χ^2/NDF : 6550.1/53

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -47.113 ± 0.369 χ^2/NDF : 1071.2/26

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -53.554 ± 0.343 χ^2/NDF : 3242.9/30

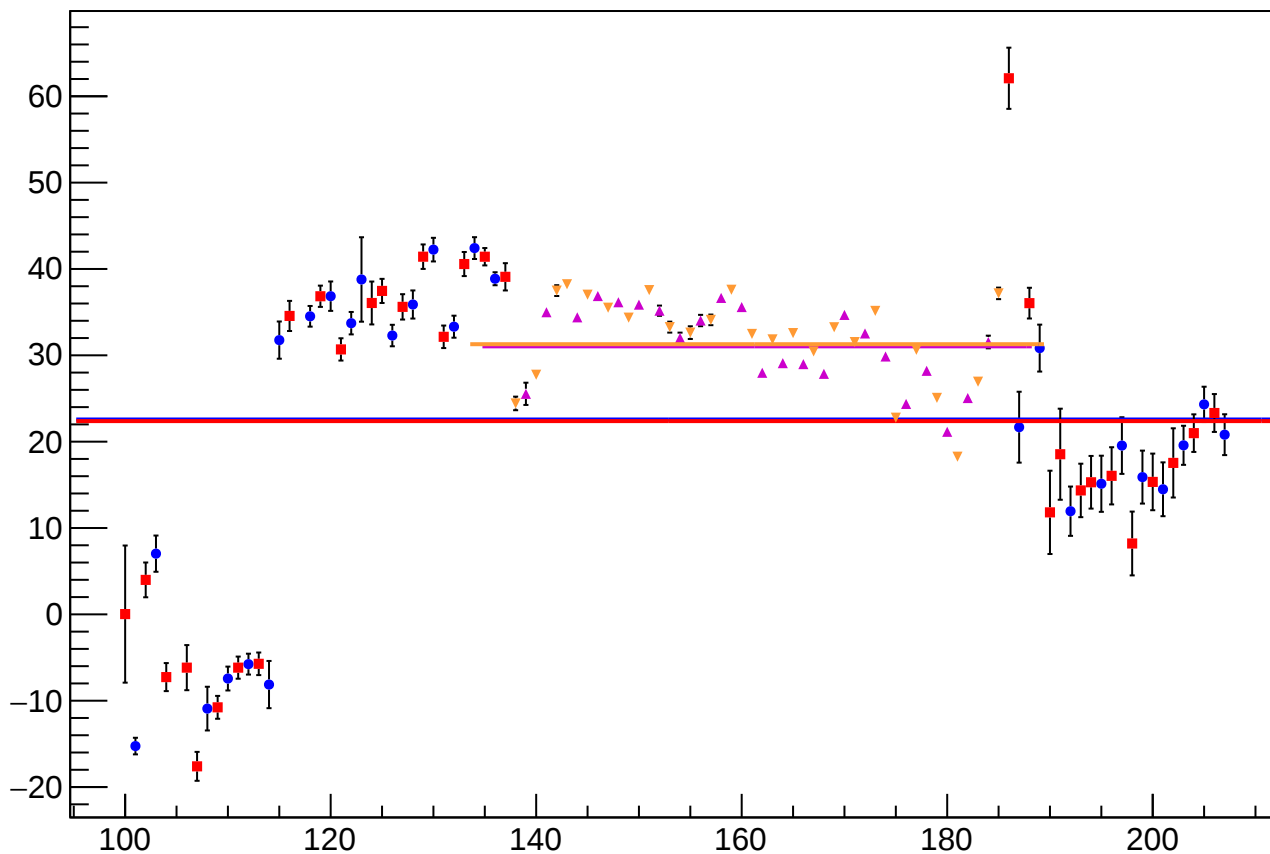
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.403 ± 0.100 χ^2/NDF : 22357.5/51

All: -35.483 ± 0.071 χ^2/NDF : 46240.8/105

- sign -35.565 ± 0.101 χ^2/NDF : 23882.0/53

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.567 $\pm$ 0.307 χ^2 /NDF: 4362.0/26

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF: 3345.7/24

Right Out: 22.381 $\pm$ 0.315 χ^2 /NDF: 4257.7/30

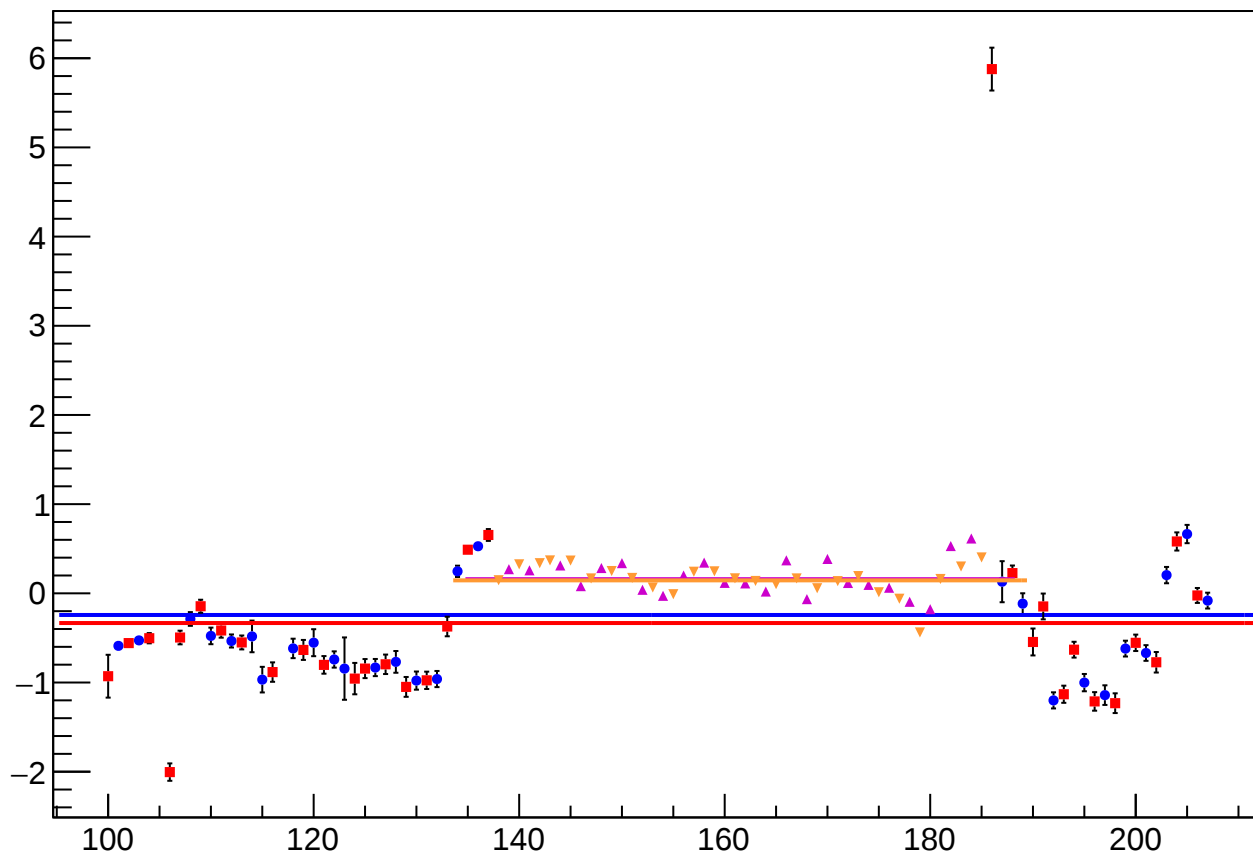
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF: 2480.0/22

+ sign 30.564 $\pm$ 0.088 χ^2 /NDF: 8445.9/51

All: 30.449 $\pm$ 0.063 χ^2 /NDF: 15878.5/105

- sign 30.331 $\pm$ 0.090 χ^2 /NDF: 7429.2/53

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.243 ± 0.015 χ^2/NDF : 1398.9/26

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.333 ± 0.016 χ^2/NDF : 2221.8/30

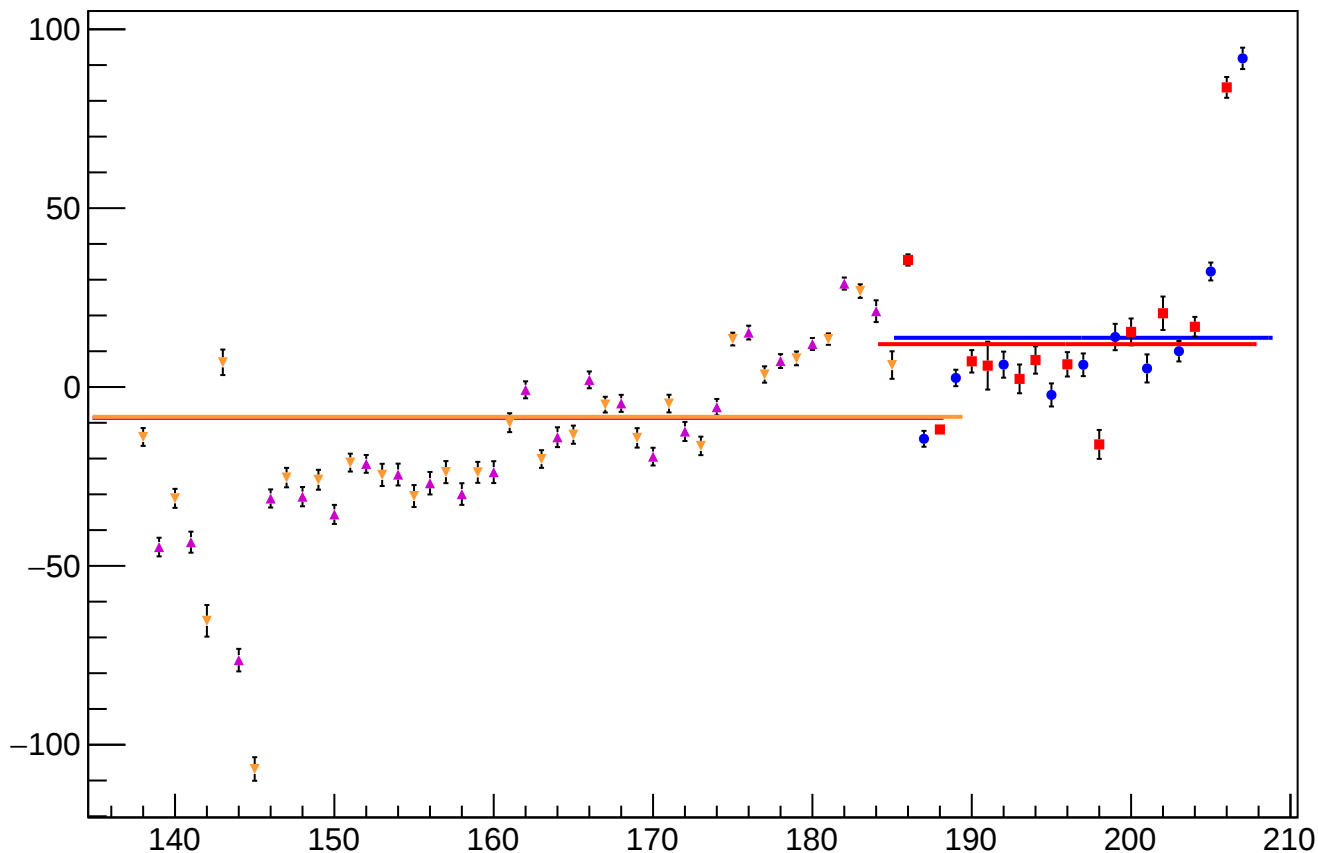
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.118 ± 0.004 χ^2/NDF : 3562.2/51

All: 0.121 ± 0.003 χ^2/NDF : 8717.1/105

- sign 0.124 ± 0.004 χ^2/NDF : 5154.0/53

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 13.760 ± 0.915 χ^2/NDF : 964.5/9

Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24

Right Out: 11.980 ± 0.740 χ^2/NDF : 1271.1/11

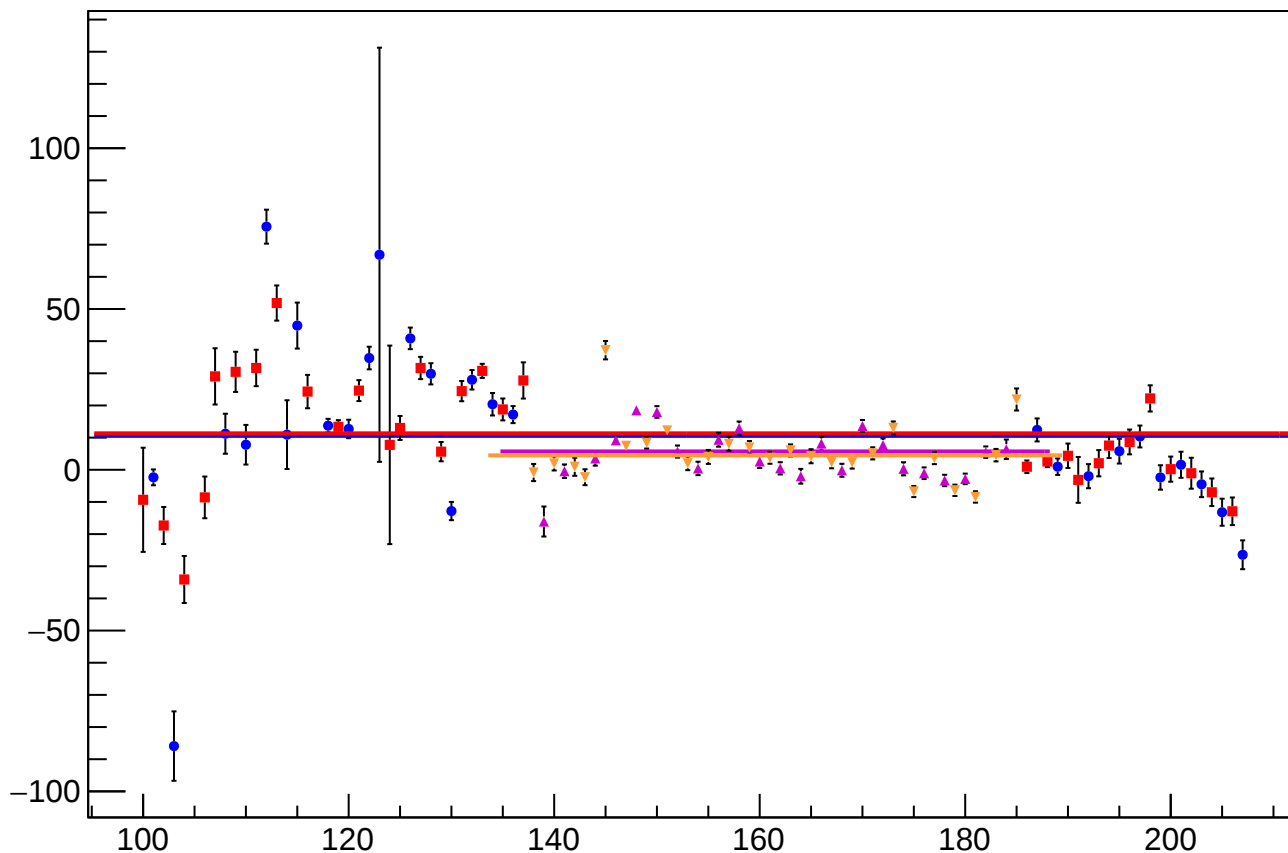
Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

+ sign -3.255 ± 0.438 χ^2/NDF : 3640.1/34

All: -2.631 ± 0.303 χ^2/NDF : 7667.4/69

- sign -2.062 ± 0.418 χ^2/NDF : 4023.4/34

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 10.555 ± 0.689 χ^2/NDF : 721.4/26

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 11.331 ± 0.646 χ^2/NDF : 467.3/30

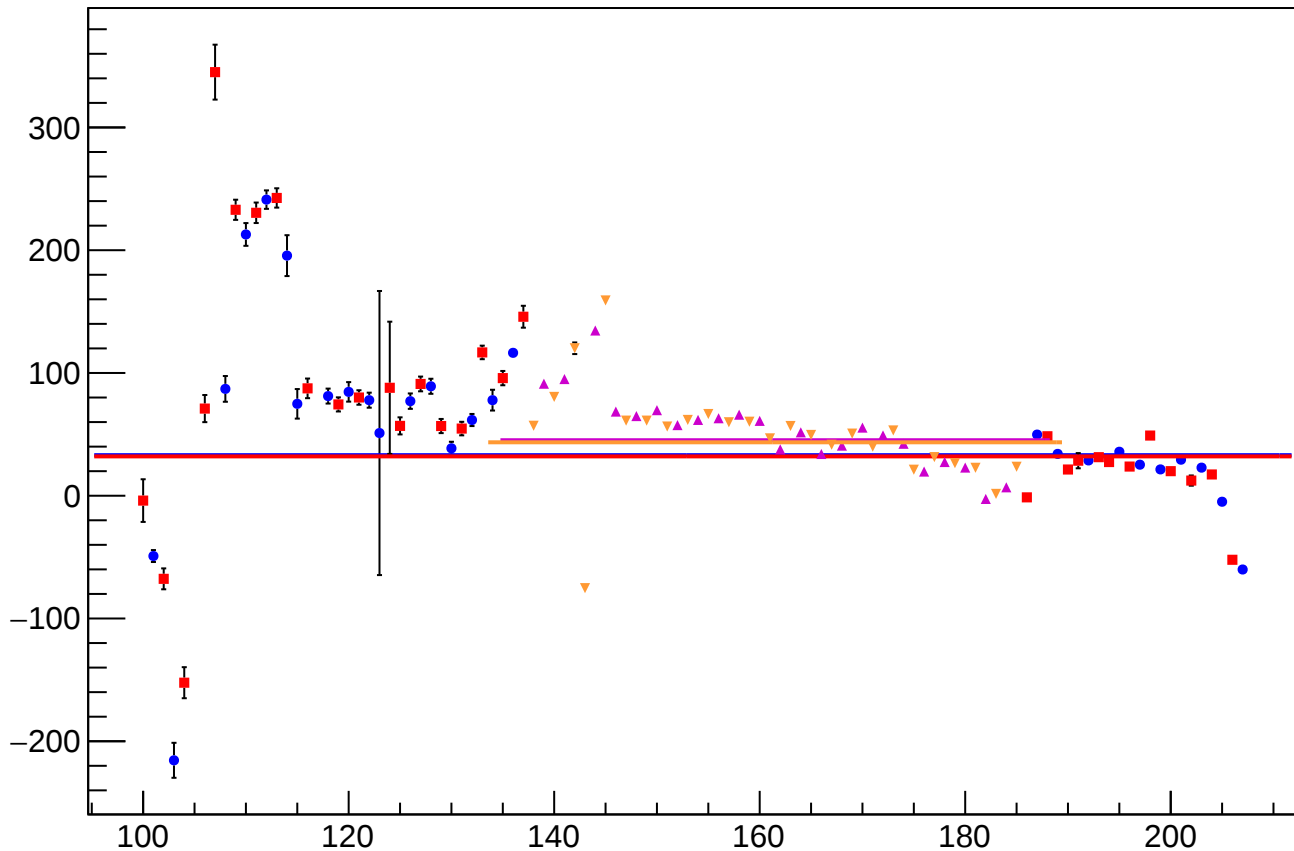
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 5.970 ± 0.341 χ^2/NDF : 1151.9/51

All: 6.626 ± 0.242 χ^2/NDF : 2005.3/105

- sign 7.289 ± 0.343 χ^2/NDF : 846.0/53

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 33.046+/-0.731 χ^2/NDF : 4032.6/26

Left Out: 43.524+/-0.498 χ^2/NDF : 3830.7/24

Right Out: 32.045+/-0.589 χ^2/NDF : 5280.3/30

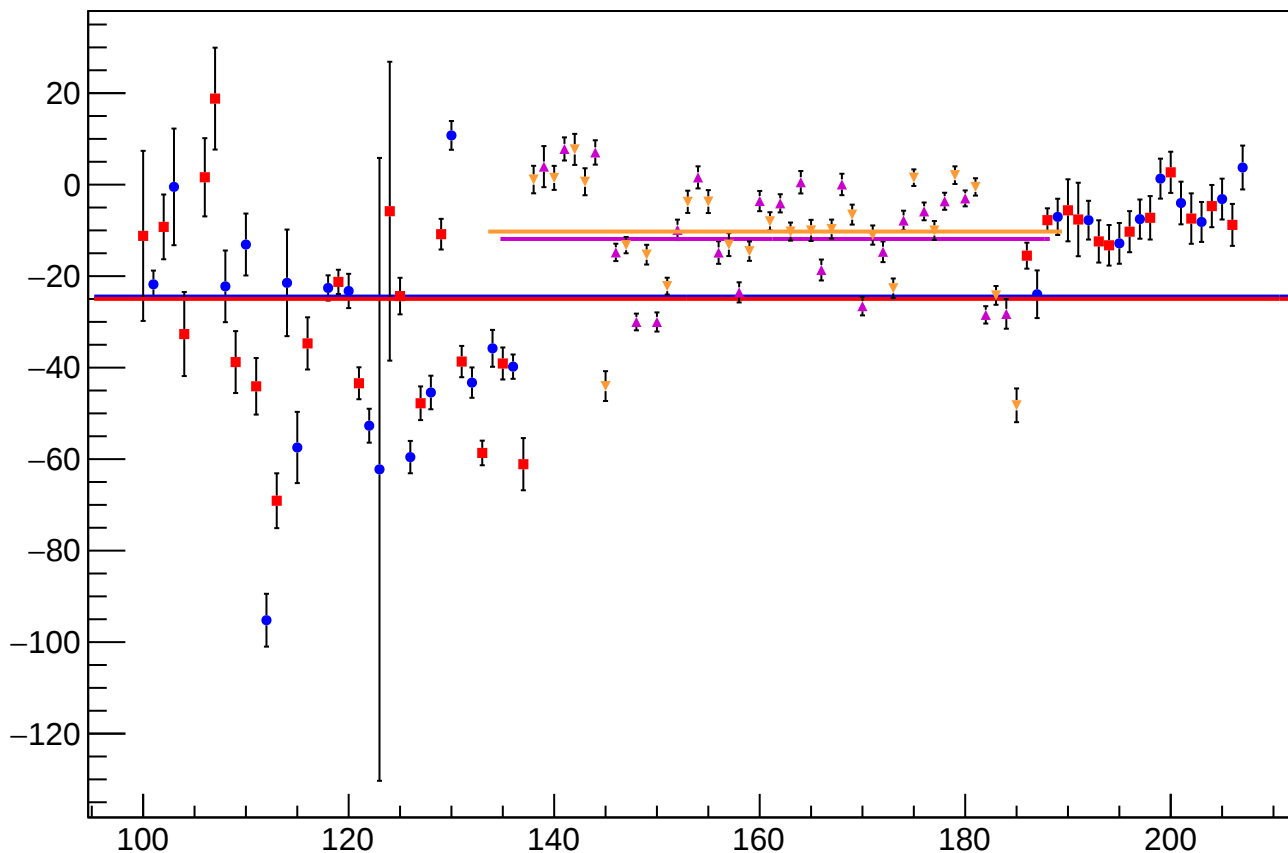
Left In: 45.211+/-0.504 χ^2/NDF : 3048.5/22

+ sign 40.197+/-0.412 χ^2/NDF : 8003.7/51

All: 39.900+/-0.280 χ^2/NDF : 16621.8/105

- sign 39.643+/-0.383 χ^2/NDF : 8617.1/53

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -24.466 ± 0.806 χ^2/NDF : 746.6/26

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -24.971 ± 0.784 χ^2/NDF : 604.7/30

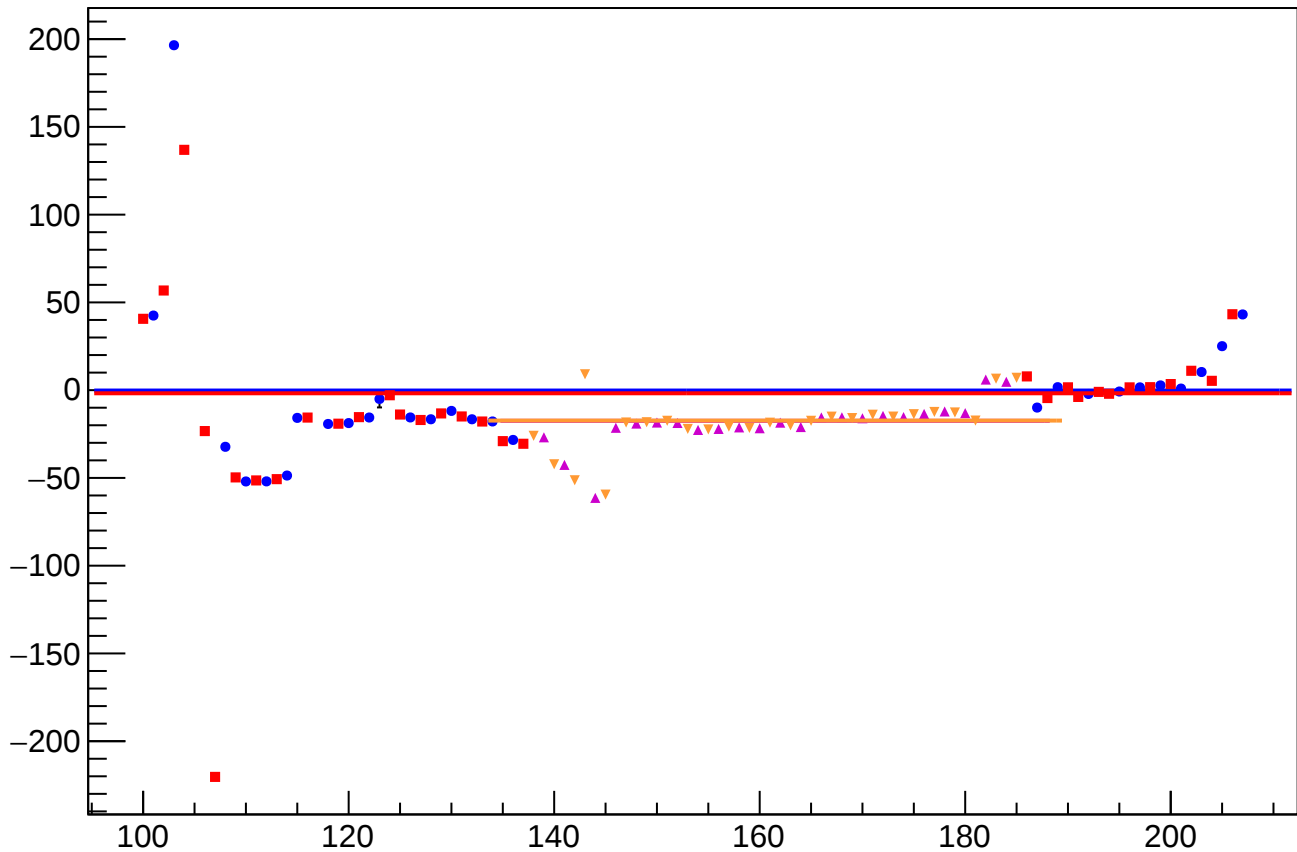
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.567 ± 0.389 χ^2/NDF : 1537.4/51

All: -14.368 ± 0.277 χ^2/NDF : 3025.5/105

- sign -15.190 ± 0.394 χ^2/NDF : 1479.5/53

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.217 ± 0.038 χ^2/NDF : 673280.8/26

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -1.781 ± 0.036 χ^2/NDF : 670996.2/30

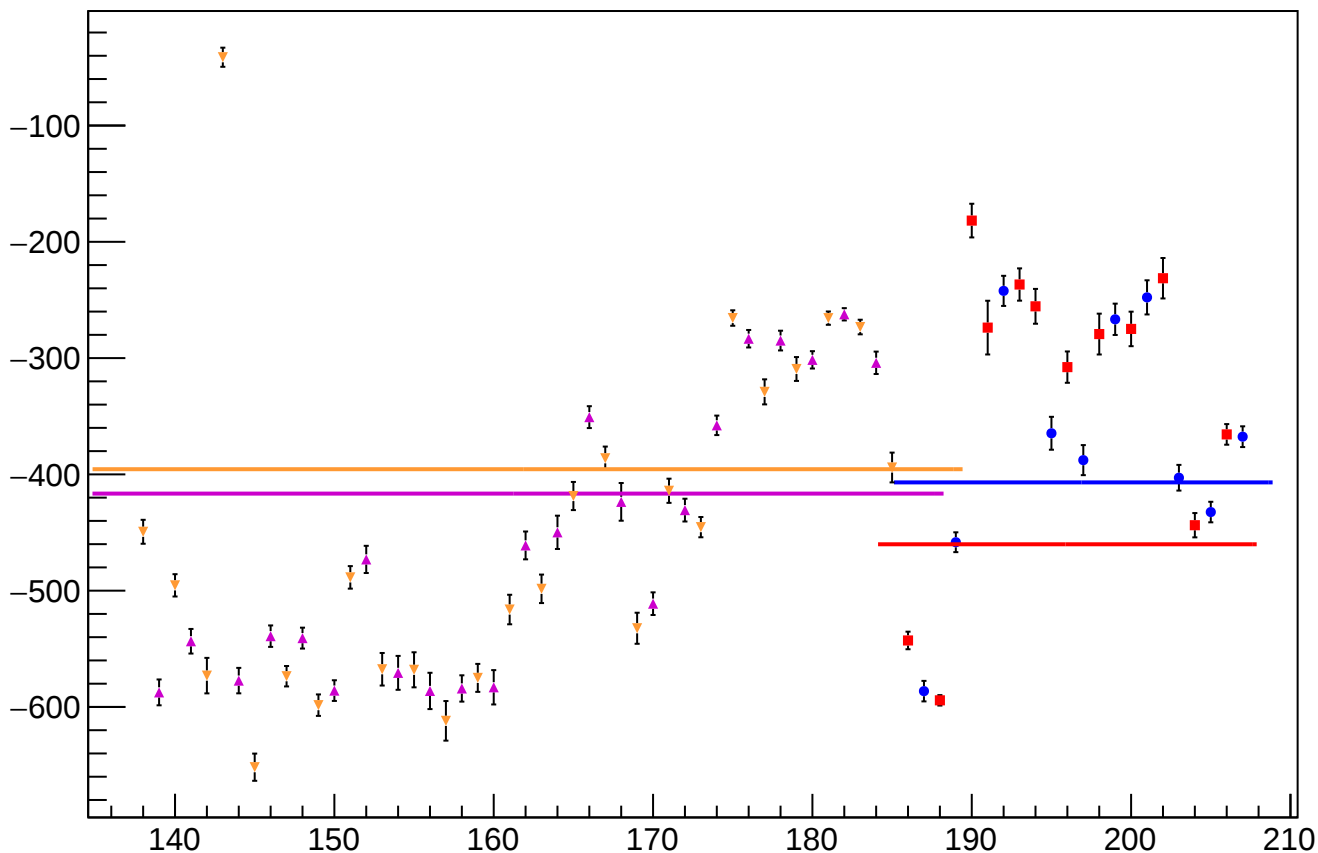
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -13.488 ± 0.018 χ^2/NDF : 1156597.7/51

All: -13.575 ± 0.013 χ^2/NDF : 2227535.9/105

- sign -13.663 ± 0.018 χ^2/NDF : 1070890.7/53

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -406.891 ± 3.385 χ^2/NDF : 877.5/9

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -460.104 ± 2.863 χ^2/NDF : 2574.1/11

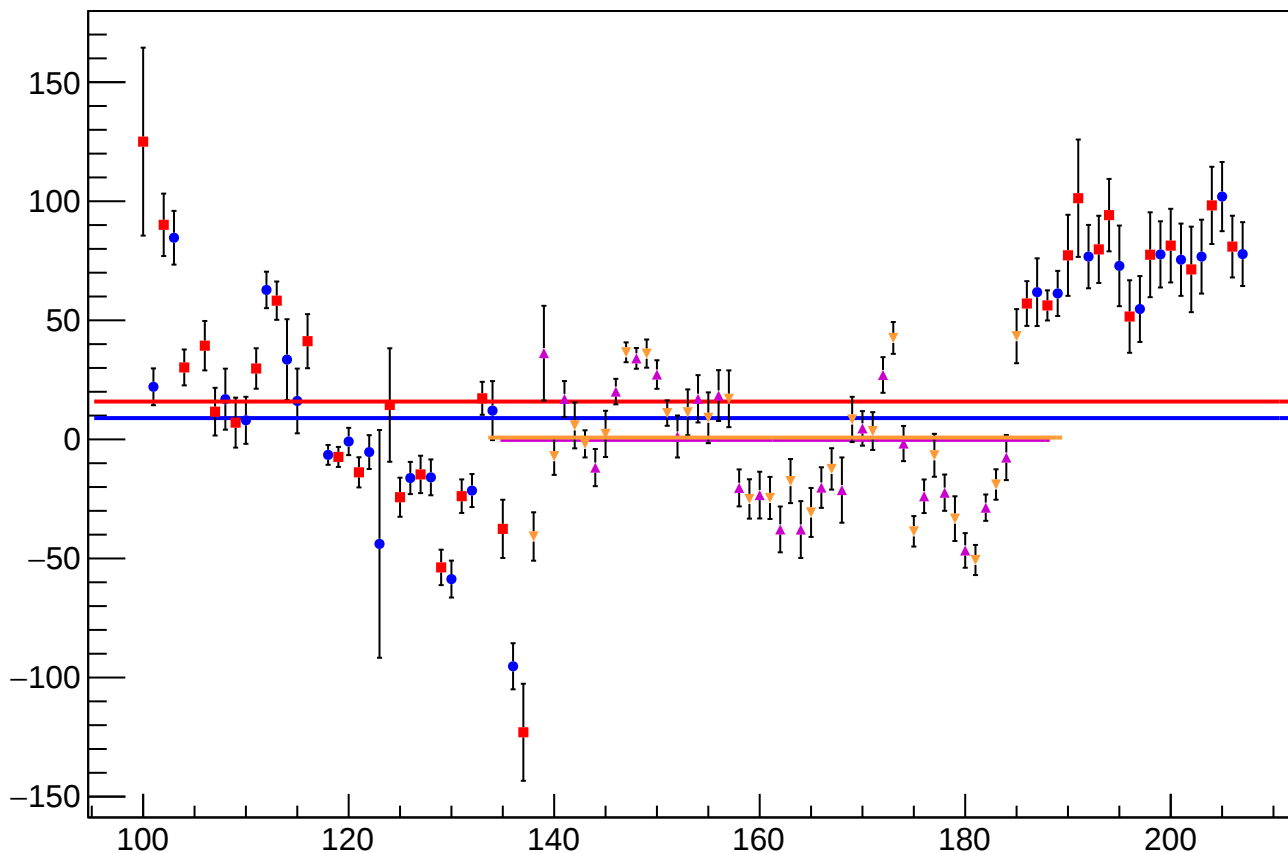
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -398.381 ± 1.692 χ^2/NDF : 6832.4/34

All: -415.105 ± 1.178 χ^2/NDF : 13668.8/69

- sign -430.860 ± 1.642 χ^2/NDF : 6646.6/34

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 8.949 ± 1.757 χ^2/NDF : 584.0/26

Left Out: 0.767 ± 1.503 χ^2/NDF : 350.1/24

Right Out: 15.891 ± 1.697 χ^2/NDF : 589.6/30

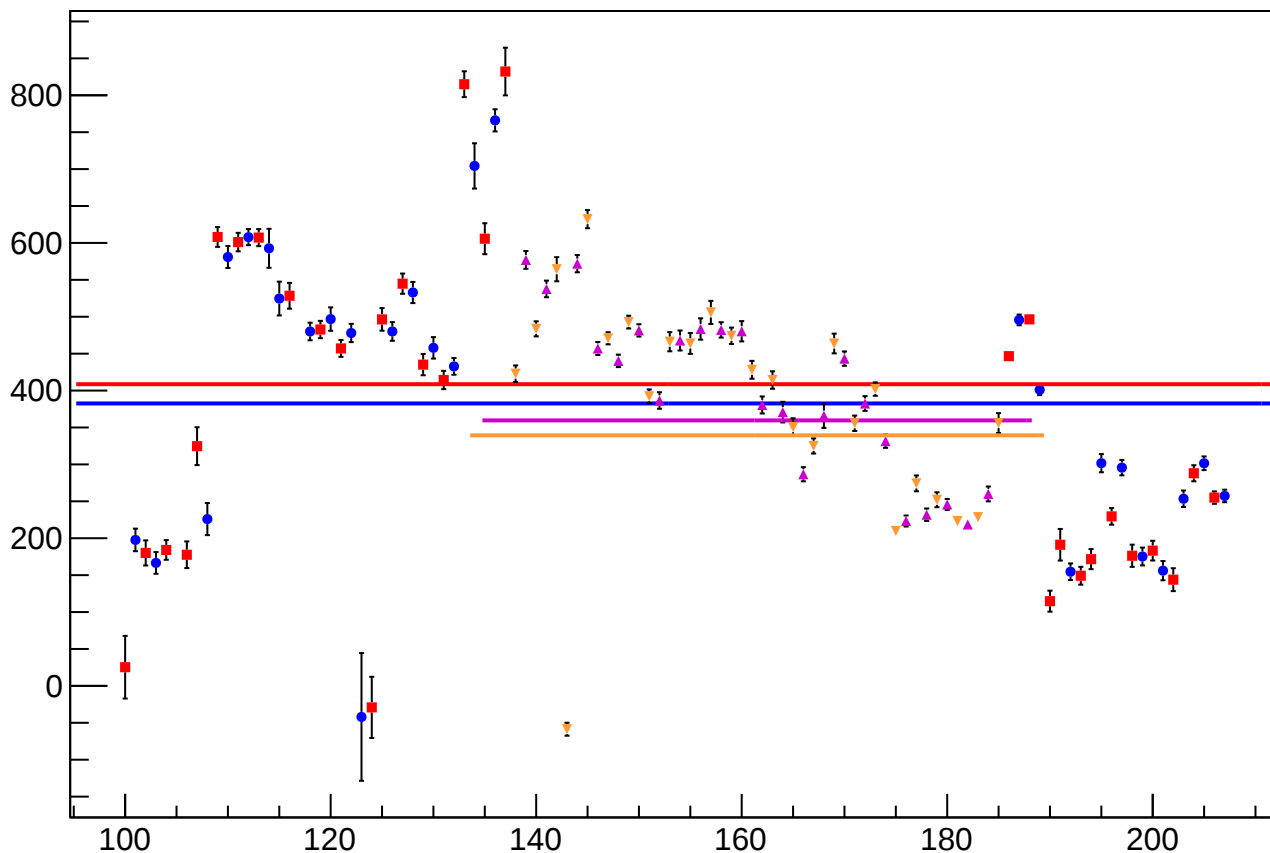
Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

+ sign 4.223 ± 1.142 χ^2/NDF : 946.6/51

All: 5.719 ± 0.812 χ^2/NDF : 1848.8/105

- sign 7.248 ± 1.154 χ^2/NDF : 898.7/53

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 382.558 $\pm$ 2.341 χ^2 /NDF: 4103.6/26

Left Out: 339.355 $\pm$ 1.963 χ^2 /NDF: 5502.5/24

Right Out: 408.633 $\pm$ 2.008 χ^2 /NDF: 6077.4/30

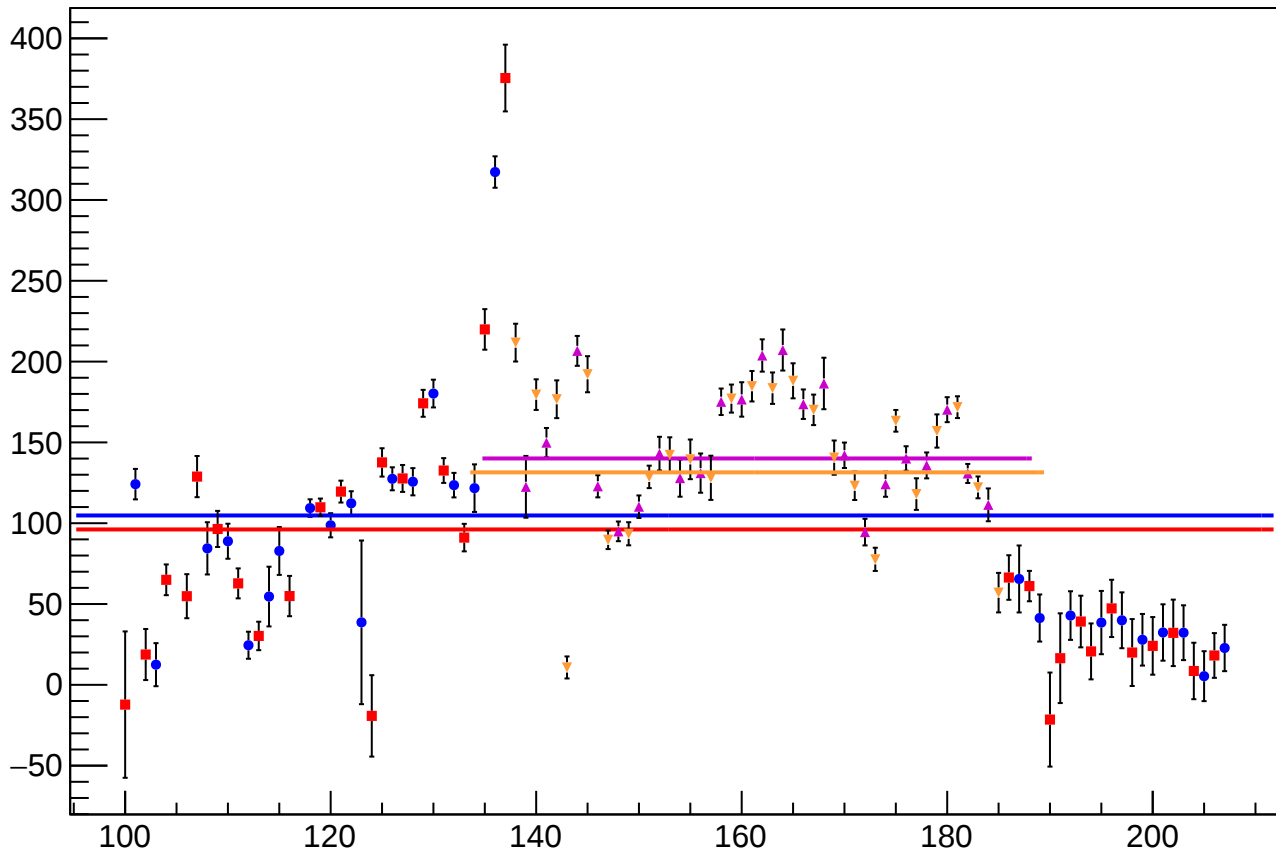
Left In: 359.609 $\pm$ 2.003 χ^2 /NDF: 3398.5/22

+ sign 357.191 $\pm$ 1.504 χ^2 /NDF: 9806.1/51

All: 371.413 $\pm$ 1.032 χ^2 /NDF: 19749.7/105

- sign 384.056 $\pm$ 1.418 χ^2 /NDF: 9774.7/53

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 104.796 ± 2.049 $\chi^2/\text{NDF}: 938.2/26$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 96.148 ± 1.997 $\chi^2/\text{NDF}: 782.0/30$

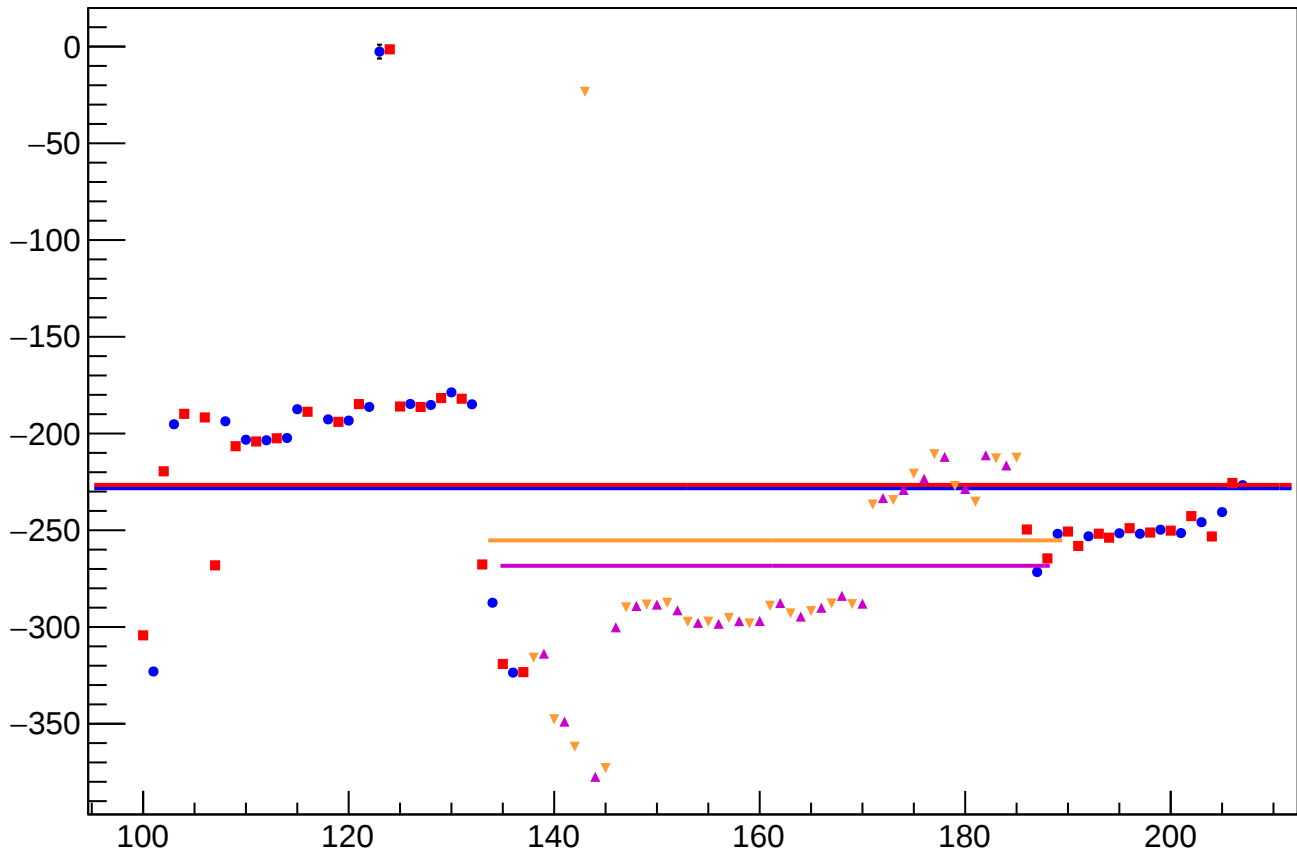
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 120.384 ± 1.321 $\chi^2/\text{NDF}: 1846.5/51$

All: 120.413 ± 0.939 $\chi^2/\text{NDF}: 3212.6/105$

- sign 120.442 ± 1.335 $\chi^2/\text{NDF}: 1366.1/53$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -228.277 $\pm$ 0.109 χ^2/NDF : 167045.6/26

Left Out: -255.232 $\pm$ 0.082 χ^2/NDF : 728016.7/24

Right Out: -226.543 $\pm$ 0.103 χ^2/NDF : 149156.8/30

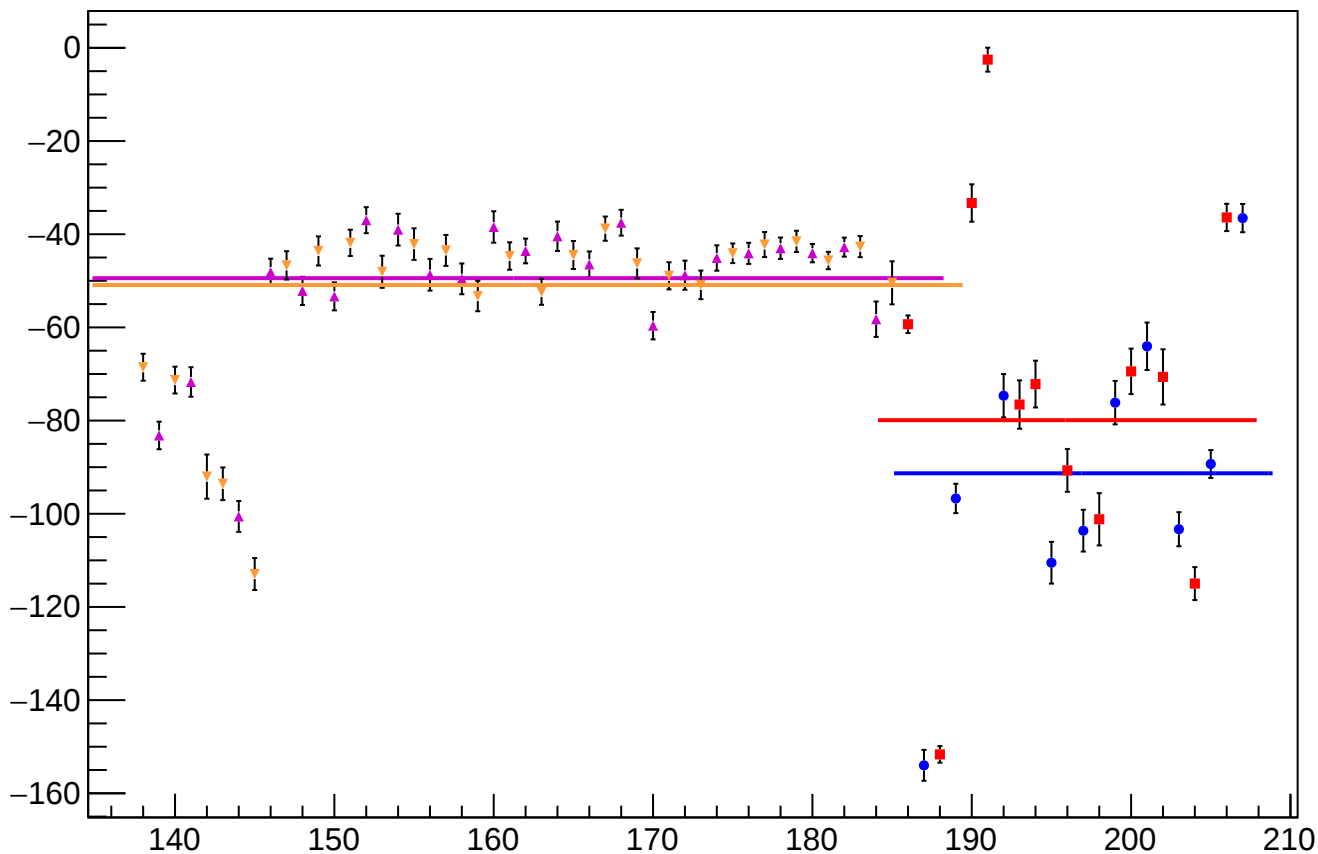
Left In: -268.353 $\pm$ 0.084 χ^2/NDF : 262479.3/22

+ sign -245.545 $\pm$ 0.066 χ^2/NDF : 933931.0/51

All: -248.717 $\pm$ 0.046 χ^2/NDF : 1448968.3/10

- sign -251.834 $\pm$ 0.065 χ^2/NDF : 510402.7/53

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -91.314 ± 1.181 χ^2/NDF : 775.7/9

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -79.914 ± 0.900 χ^2/NDF : 3135.0/11

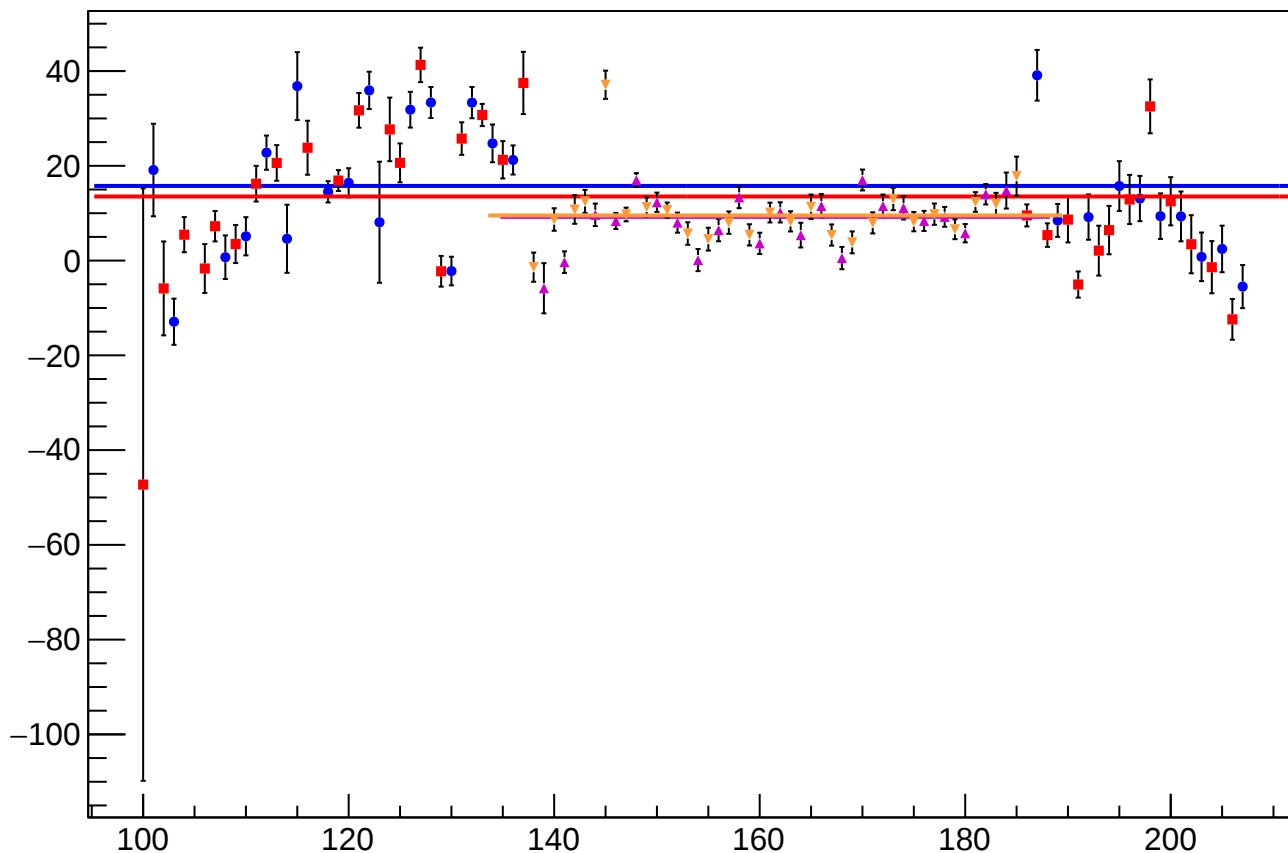
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -58.598 ± 0.515 χ^2/NDF : 2485.6/34

All: -58.524 ± 0.355 χ^2/NDF : 6970.8/69

- sign -58.457 ± 0.490 χ^2/NDF : 4485.2/34

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.755 $\pm$ 0.782 χ^2 /NDF: 280.0/26

Left Out: 9.530 $\pm$ 0.446 χ^2 /NDF:134.4/24

Right Out: 13.528 $\pm$ 0.681 χ^2 /NDF: 360.2/30

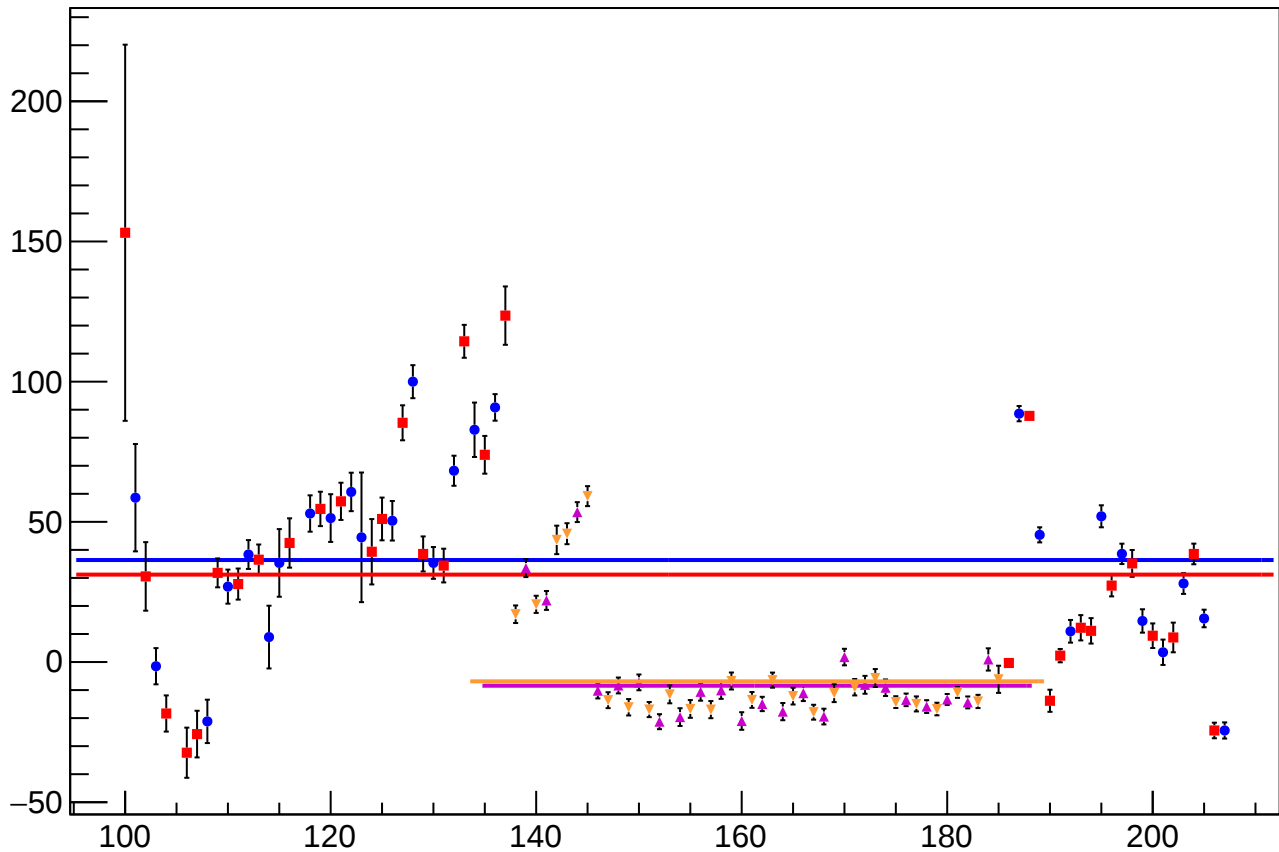
Left In: 9.231 $\pm$ 0.462 χ^2 /NDF:124.0/22

+ sign 11.056 $\pm$ 0.387 χ^2 /NDF: 462.1/51

All: 10.817 $\pm$ 0.272 χ^2 /NDF: 974.3/105

- sign 10.584 $\pm$ 0.382 χ^2 /NDF: 511.4/53

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 36.384 ± 0.902 $\chi^2/\text{NDF}: 1441.2/26$

Left Out: -6.888 ± 0.571 $\chi^2/\text{NDF}: 914.2/24$

Right Out: 31.182 ± 0.698 $\chi^2/\text{NDF}: 3349.2/30$

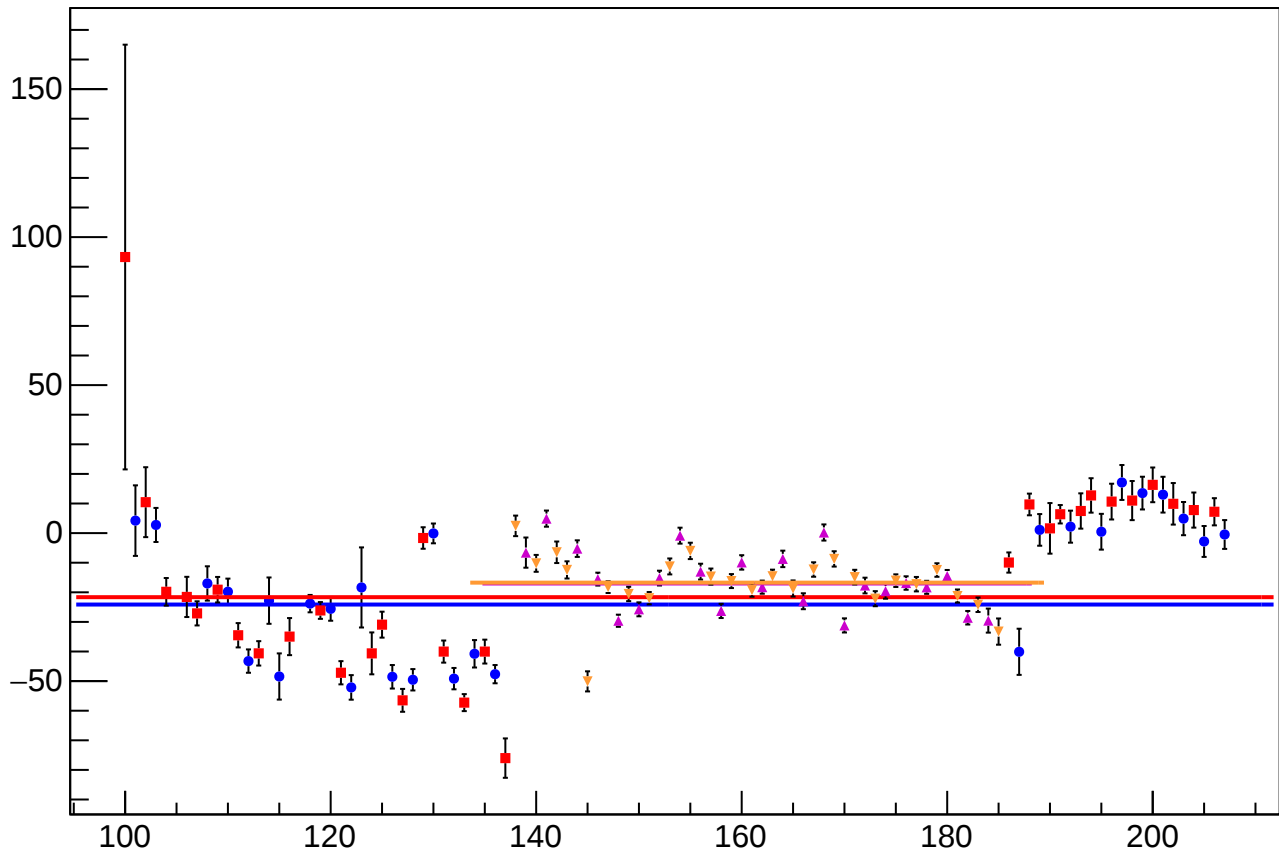
Left In: -8.451 ± 0.580 $\chi^2/\text{NDF}: 688.9/22$

+ sign 5.497 ± 0.482 $\chi^2/\text{NDF}: 3999.3/51$

All: 6.700 ± 0.327 $\chi^2/\text{NDF}: 9956.4/105$

- sign 7.729 ± 0.446 $\chi^2/\text{NDF}: 5945.5/53$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -24.134 ± 0.903 χ^2/NDF : 634.0/26

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -21.645 ± 0.810 χ^2/NDF : 893.1/30

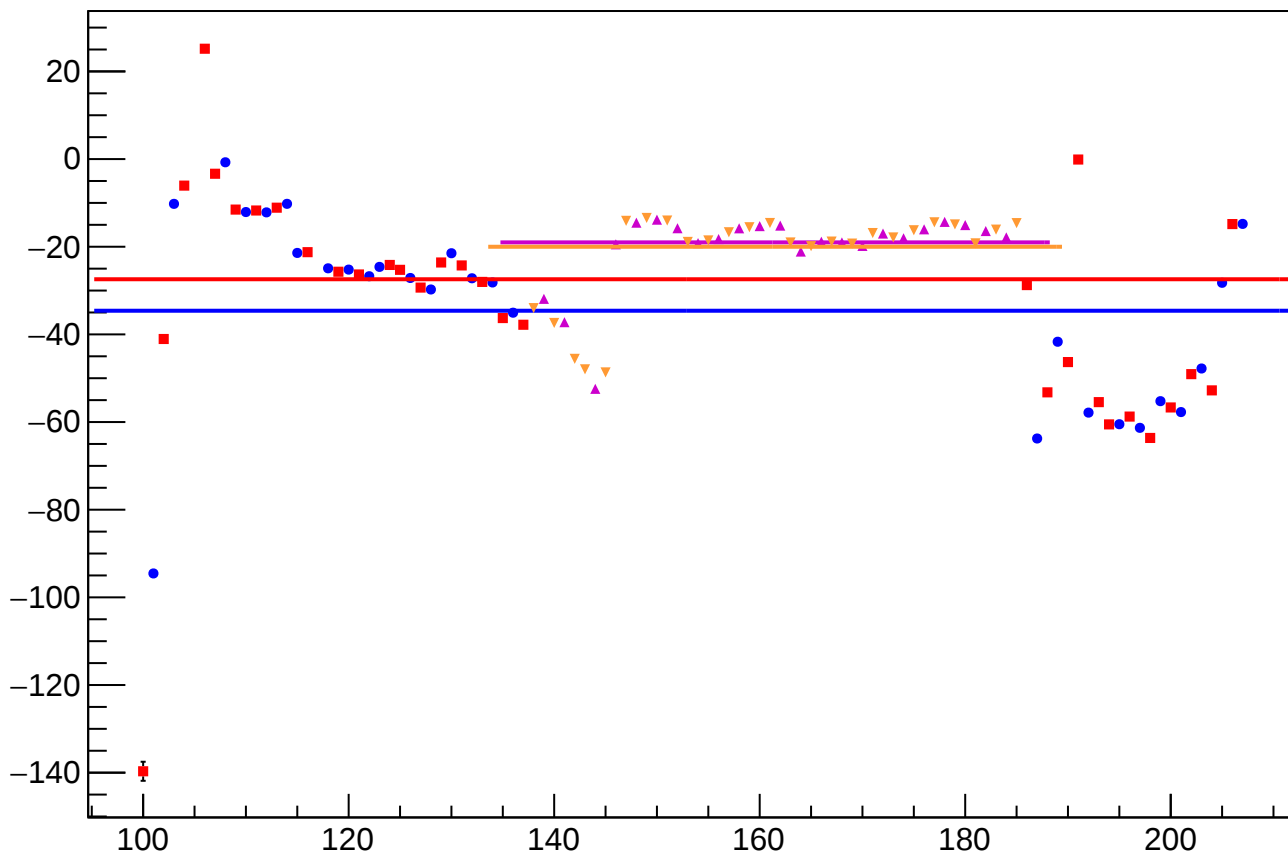
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -18.507 ± 0.442 χ^2/NDF : 908.4/51

All: -18.442 ± 0.311 χ^2/NDF : 2152.2/105

- sign -18.379 ± 0.439 χ^2/NDF : 1243.7/53

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -34.603 ± 0.043 χ^2/NDF : 213386.1/26

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -27.419 ± 0.037 χ^2/NDF : 414211.5/30

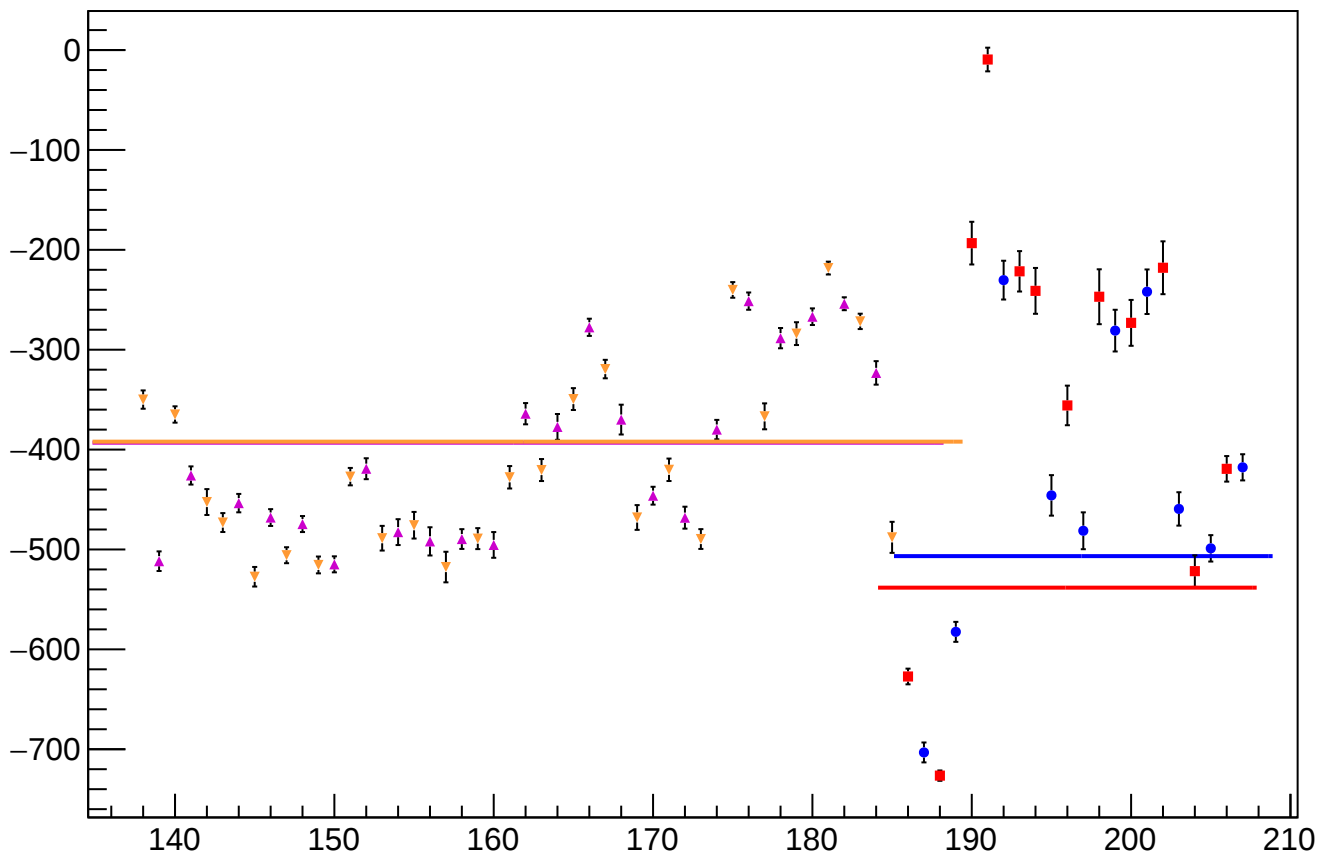
Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

+ sign -23.344 ± 0.020 χ^2/NDF : 448799.1/51

All: -22.373 ± 0.014 χ^2/NDF : 994935.9/105

- sign -21.449 ± 0.020 χ^2/NDF : 541738.1/53

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -506.663+/-4.587 χ^2/NDF : 972.2/9

Left Out: -392.054+/-1.967 χ^2/NDF : 2717.2/24

Right Out: -538.229+/-3.442 χ^2/NDF : 4675.0/11

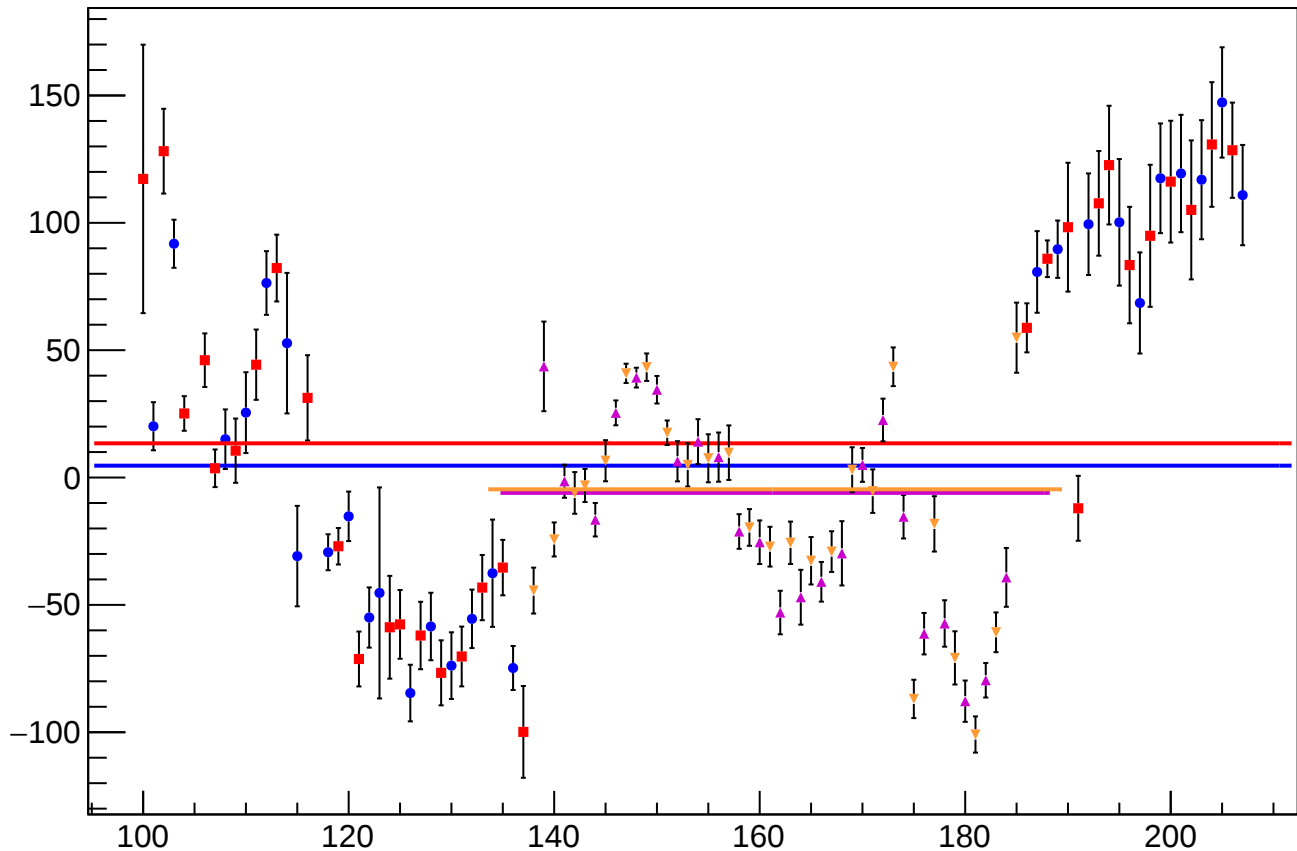
Left In: -393.113+/-2.006 χ^2/NDF : 2253.3/22

+ sign -409.846+/-1.807 χ^2/NDF : 4216.7/34

All: -420.295+/-1.251 χ^2/NDF : 12536.2/69

- sign -429.897+/-1.733 χ^2/NDF : 8255.5/34

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 4.661 ± 2.546 $\chi^2/\text{NDF}: 698.2/26$

Left Out: -4.624 ± 1.462 $\chi^2/\text{NDF}: 772.9/24$

Right Out: 13.433 ± 2.239 $\chi^2/\text{NDF}: 736.1/30$

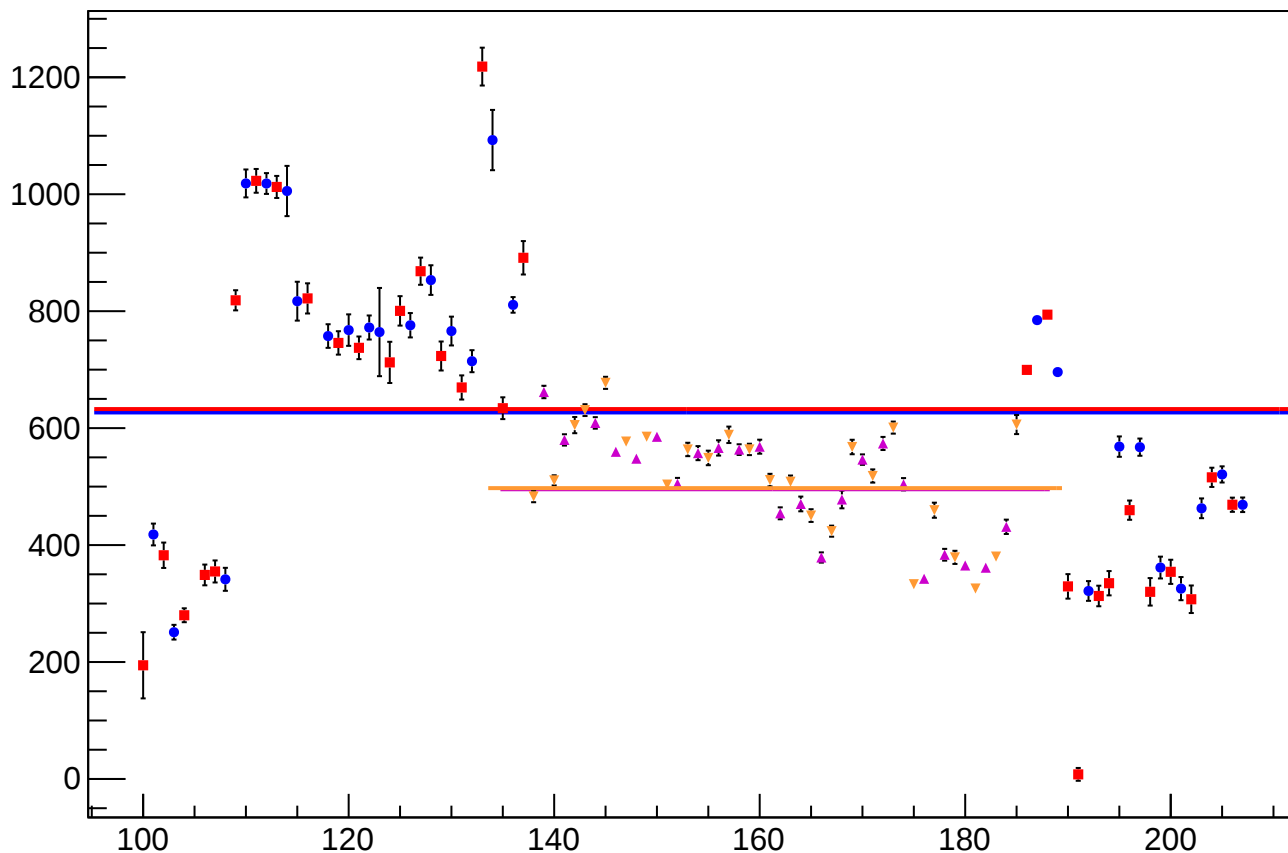
Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

+ sign -2.321 ± 1.268 $\chi^2/\text{NDF}: 1481.1/51$

All: -1.100 ± 0.892 $\chi^2/\text{NDF}: 2924.9/105$

- sign 0.096 ± 1.255 $\chi^2/\text{NDF}: 1441.9/53$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 626.798 ± 3.158 $\chi^2/\text{NDF}: 4211.9/26$

Left Out: 497.381 ± 1.966 $\chi^2/\text{NDF}: 2614.6/24$

Right Out: 632.592 ± 2.473 $\chi^2/\text{NDF}: 9621.8/30$

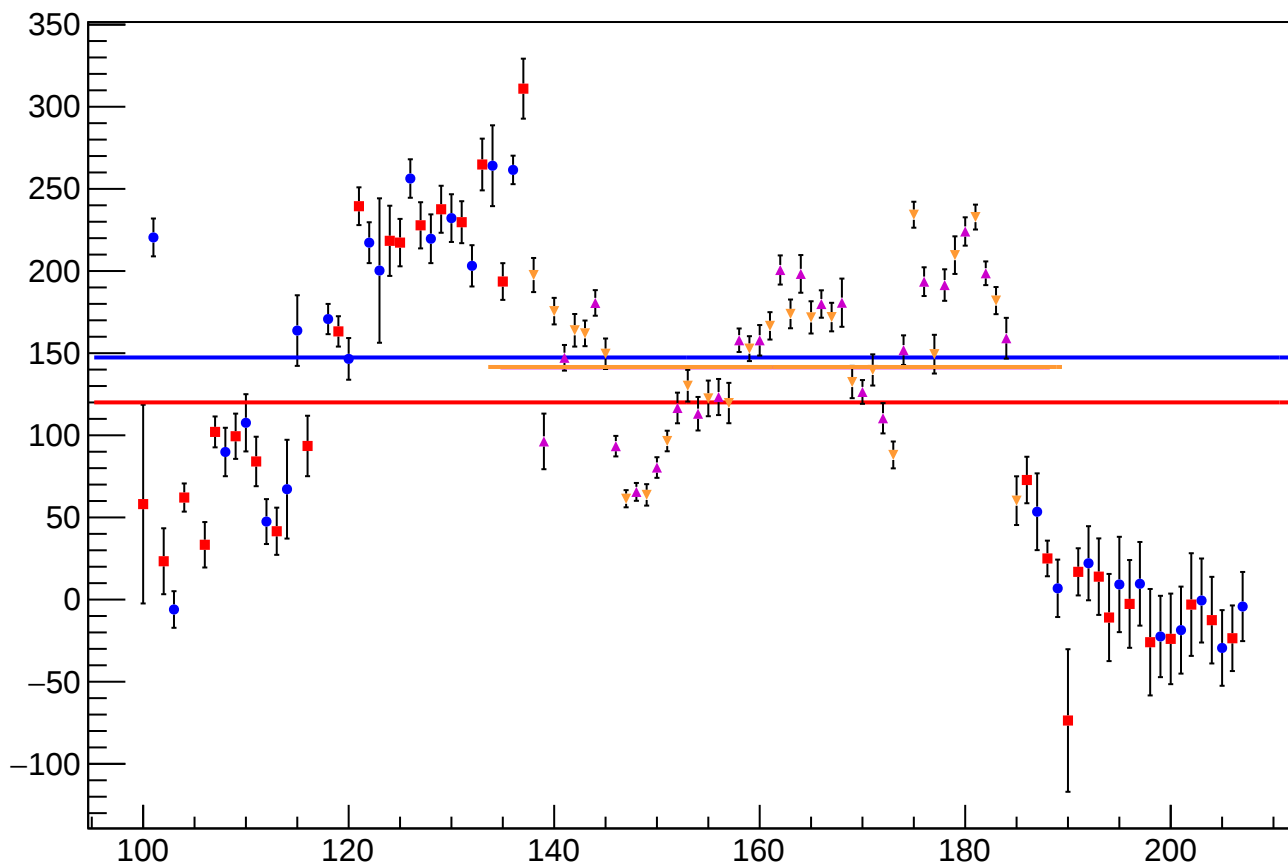
Left In: 495.454 ± 1.992 $\chi^2/\text{NDF}: 2253.8/22$

+ sign 533.525 ± 1.669 $\chi^2/\text{NDF}: 8036.8/51$

All: 542.061 ± 1.136 $\chi^2/\text{NDF}: 21826.5/105$

- sign 549.436 ± 1.551 $\chi^2/\text{NDF}: 13740.9/53$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 147.378 $\pm$ 2.969 χ^2 /NDF: 1104.8/26

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 120.026 $\pm$ 2.686 χ^2 /NDF: 1152.2/30

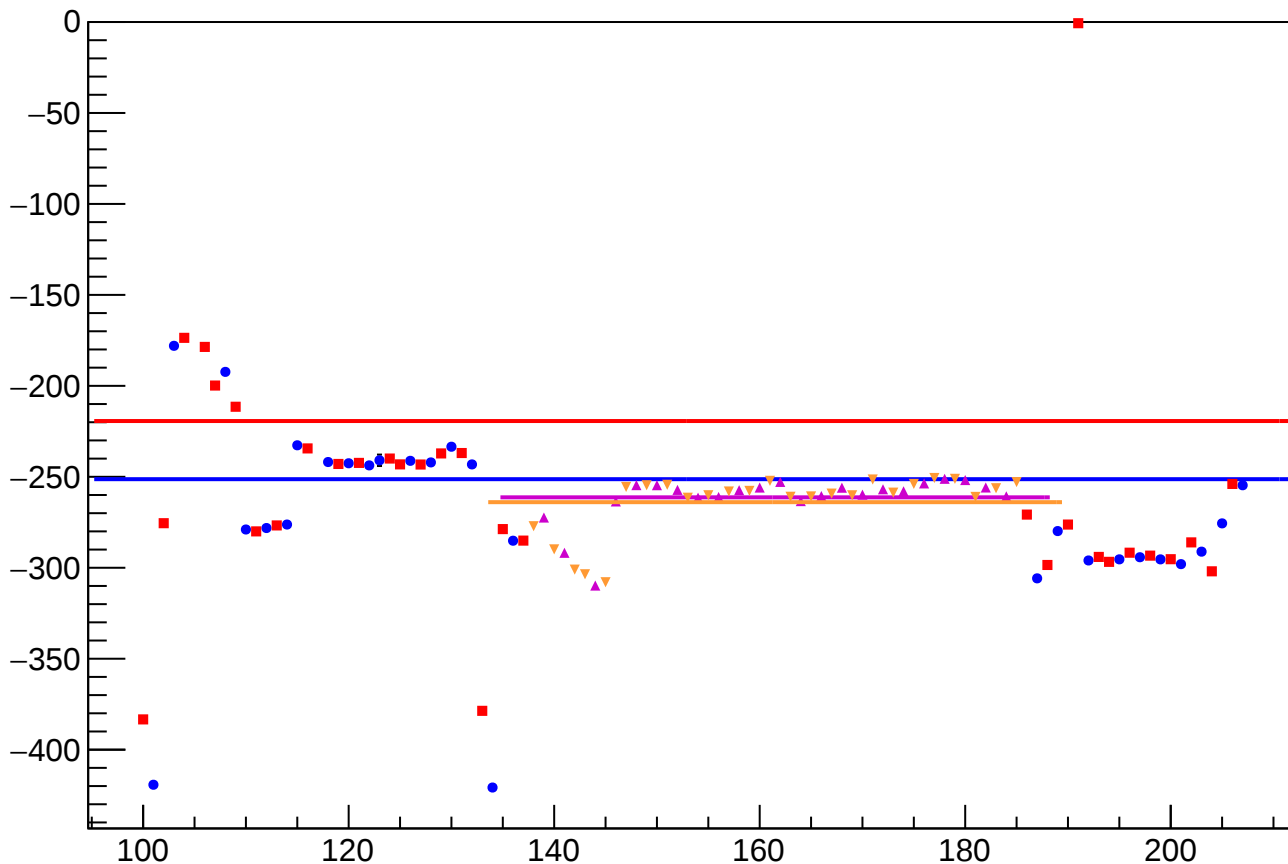
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 143.016 $\pm$ 1.474 χ^2 /NDF: 2067.3/51

All: 138.991 $\pm$ 1.039 χ^2 /NDF: 4019.8/105

- sign 135.015 $\pm$ 1.465 χ^2 /NDF: 1937.8/53

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -251.305 ± 0.138 $\chi^2/\text{NDF}: 195277.5/26$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -219.340 ± 0.123 $\chi^2/\text{NDF}: 492994.2/30$

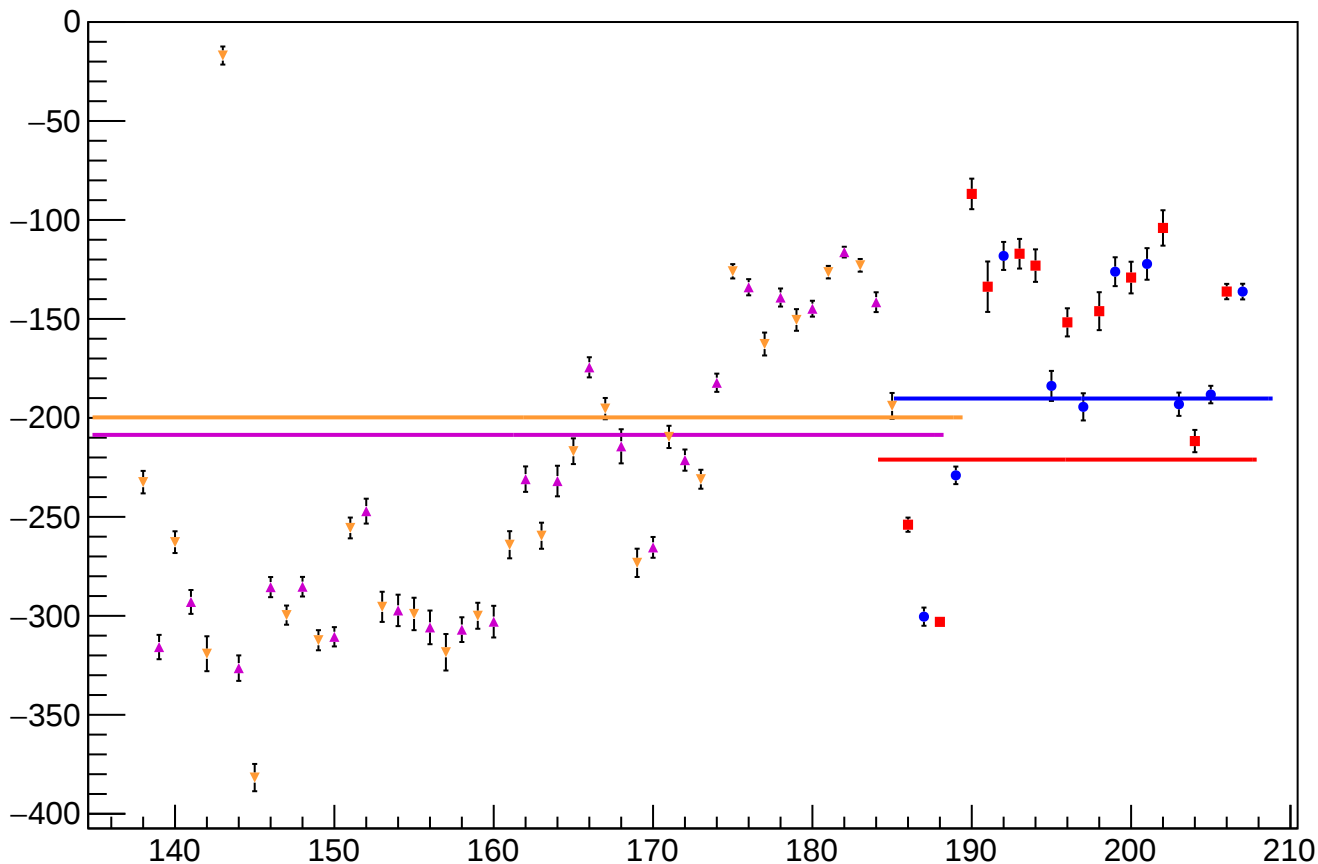
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -260.690 ± 0.070 $\chi^2/\text{NDF}: 240592.1/51$

All: -254.384 ± 0.049 $\chi^2/\text{NDF}: 853216.1/105$

- sign -248.396 ± 0.068 $\chi^2/\text{NDF}: 596808.4/53$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -190.212 ± 1.726 $\chi^2/\text{NDF}: 1094.2/9$

Left Out: -199.741 ± 1.061 $\chi^2/\text{NDF}: 6361.5/24$

Right Out: -221.069 ± 1.461 $\chi^2/\text{NDF}: 2907.5/11$

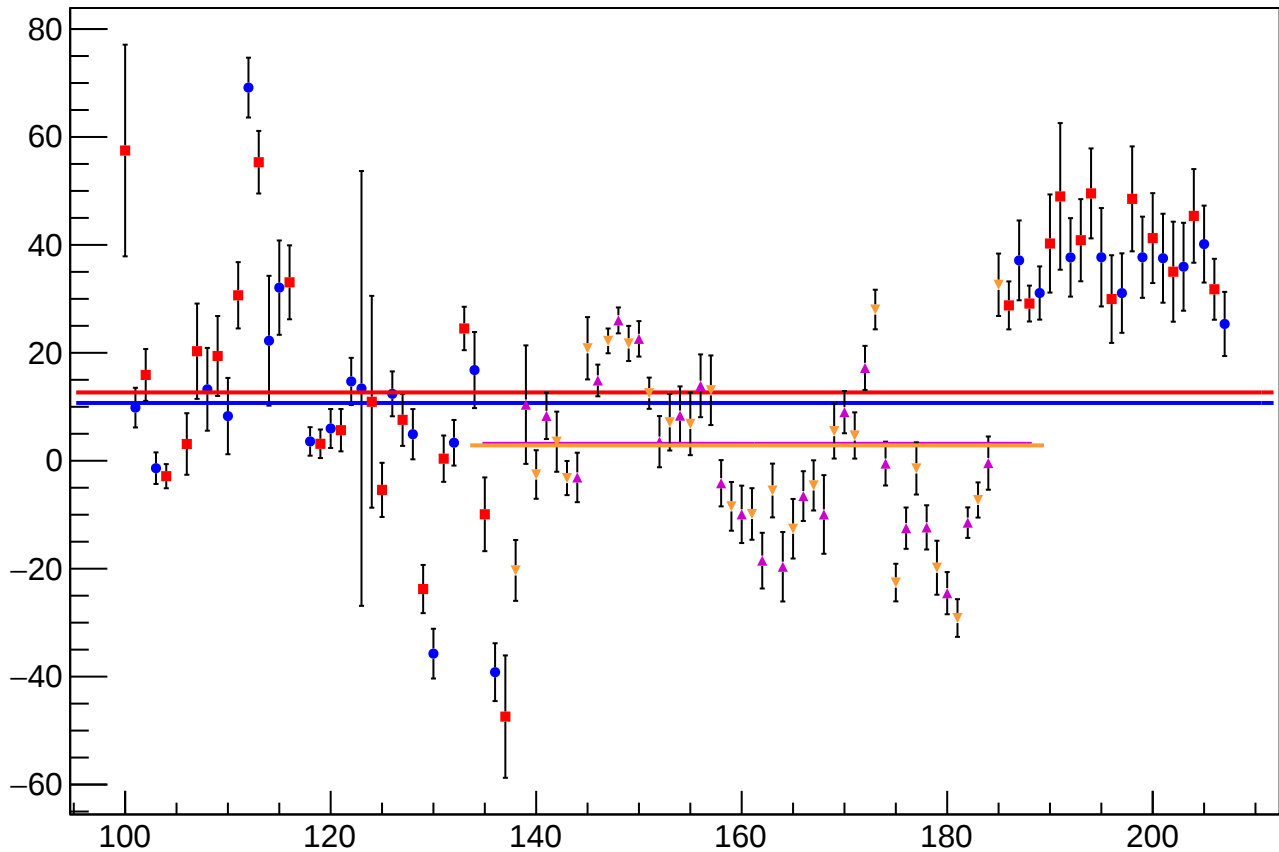
Left In: -208.579 ± 1.082 $\chi^2/\text{NDF}: 4805.1/22$

+ sign -197.128 ± 0.904 $\chi^2/\text{NDF}: 7477.8/34$

All: -205.372 ± 0.627 $\chi^2/\text{NDF}: 15397.7/69$

- sign -213.003 ± 0.870 $\chi^2/\text{NDF}: 7759.8/34$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 10.712 ± 0.990 $\chi^2/\text{NDF}: 455.1/26$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 12.664 ± 0.928 $\chi^2/\text{NDF}: 431.2/30$

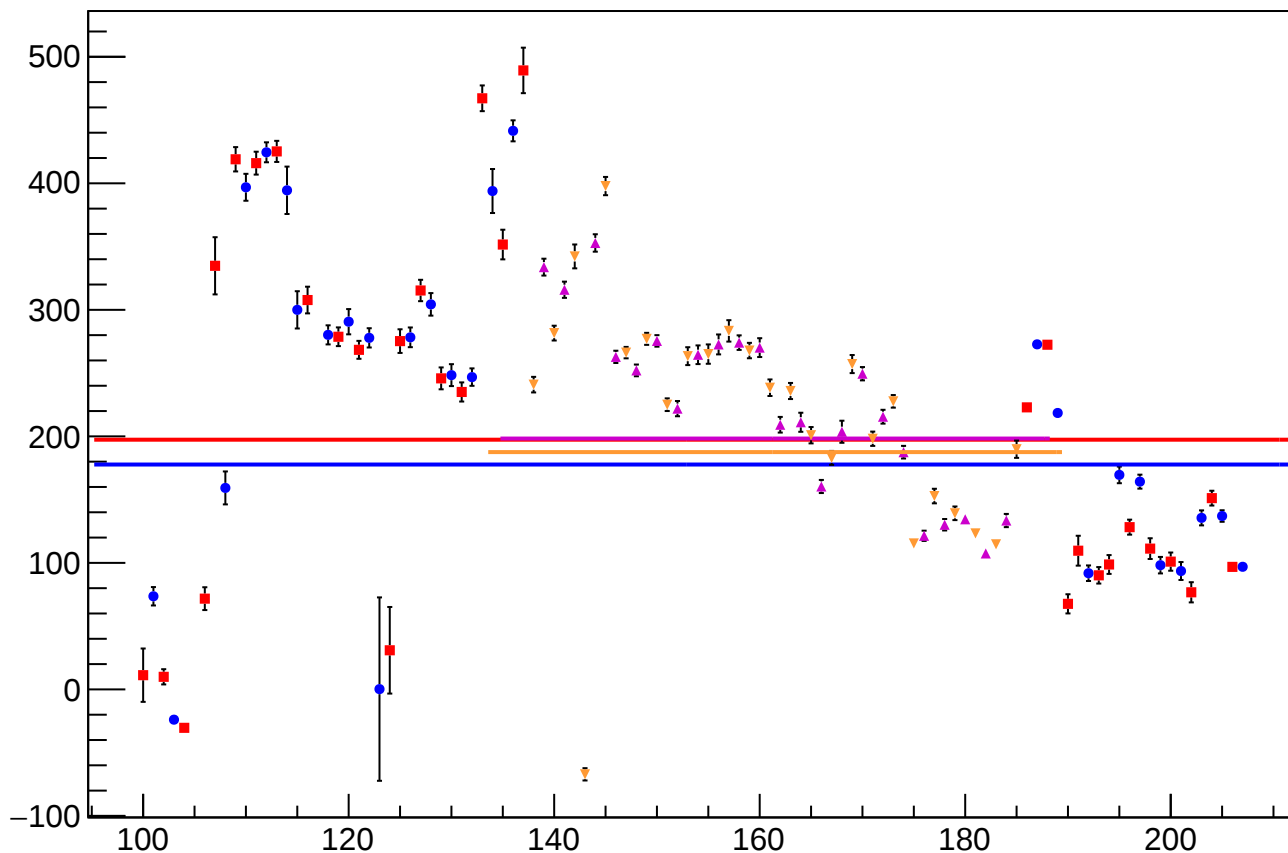
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 6.050 ± 0.632 $\chi^2/\text{NDF}: 912.3/51$

All: 6.786 ± 0.446 $\chi^2/\text{NDF}: 1722.9/105$

- sign 7.517 ± 0.630 $\chi^2/\text{NDF}: 807.9/53$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 177.734 $\pm$ 1.223 χ^2/NDF : 8684.3/26

Left Out: 187.565 $\pm$ 1.066 χ^2/NDF : 7082.0/24

Right Out: 197.362 $\pm$ 1.046 χ^2/NDF : 12130.9/30

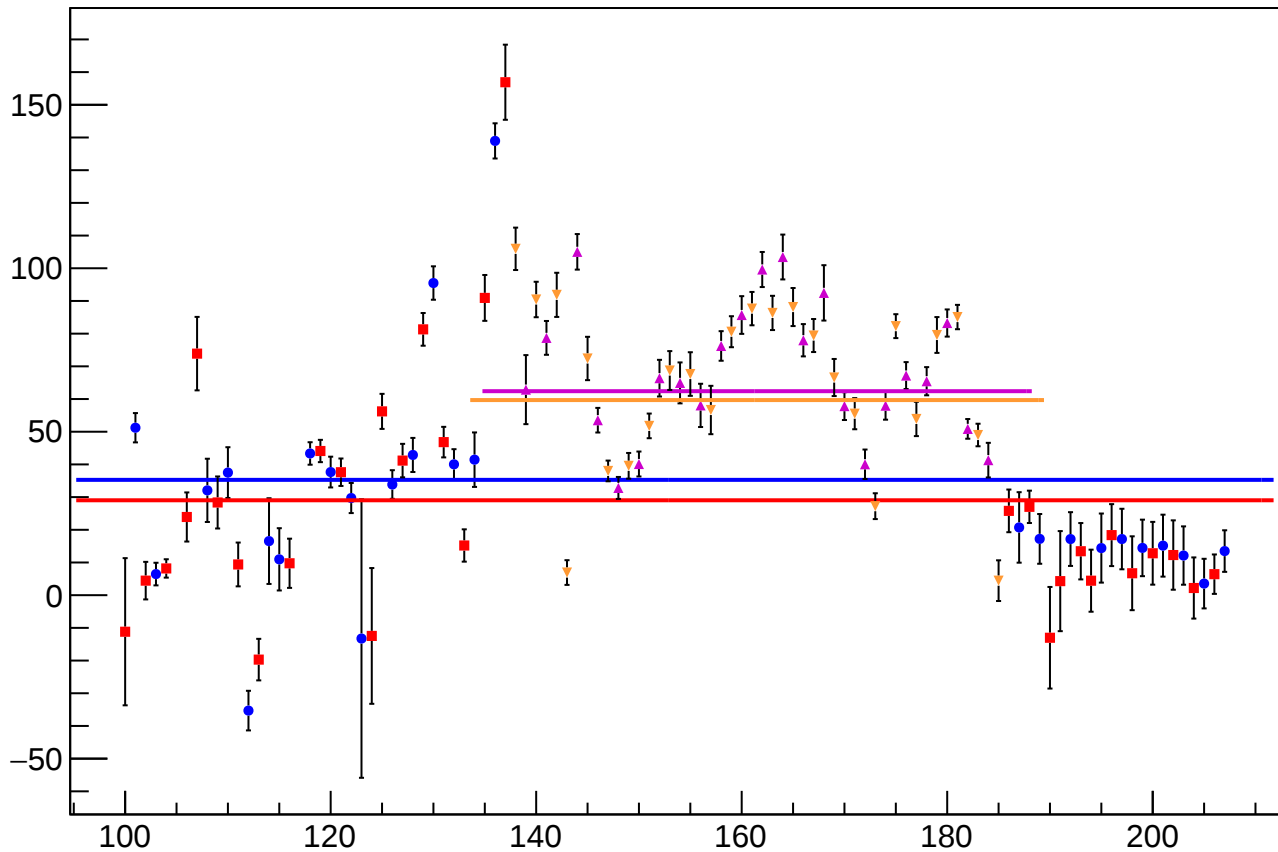
Left In: 198.269 $\pm$ 1.082 χ^2/NDF : 4515.8/22

+ sign 183.323 $\pm$ 0.804 χ^2/NDF : 15803.1/51

All: 191.041 $\pm$ 0.549 χ^2/NDF : 32623.2/105

- sign 197.800 $\pm$ 0.752 χ^2/NDF : 16647.0/53

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 35.277 ± 1.158 $\chi^2/\text{NDF}: 815.0/26$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 29.028 ± 1.109 $\chi^2/\text{NDF}: 612.5/30$

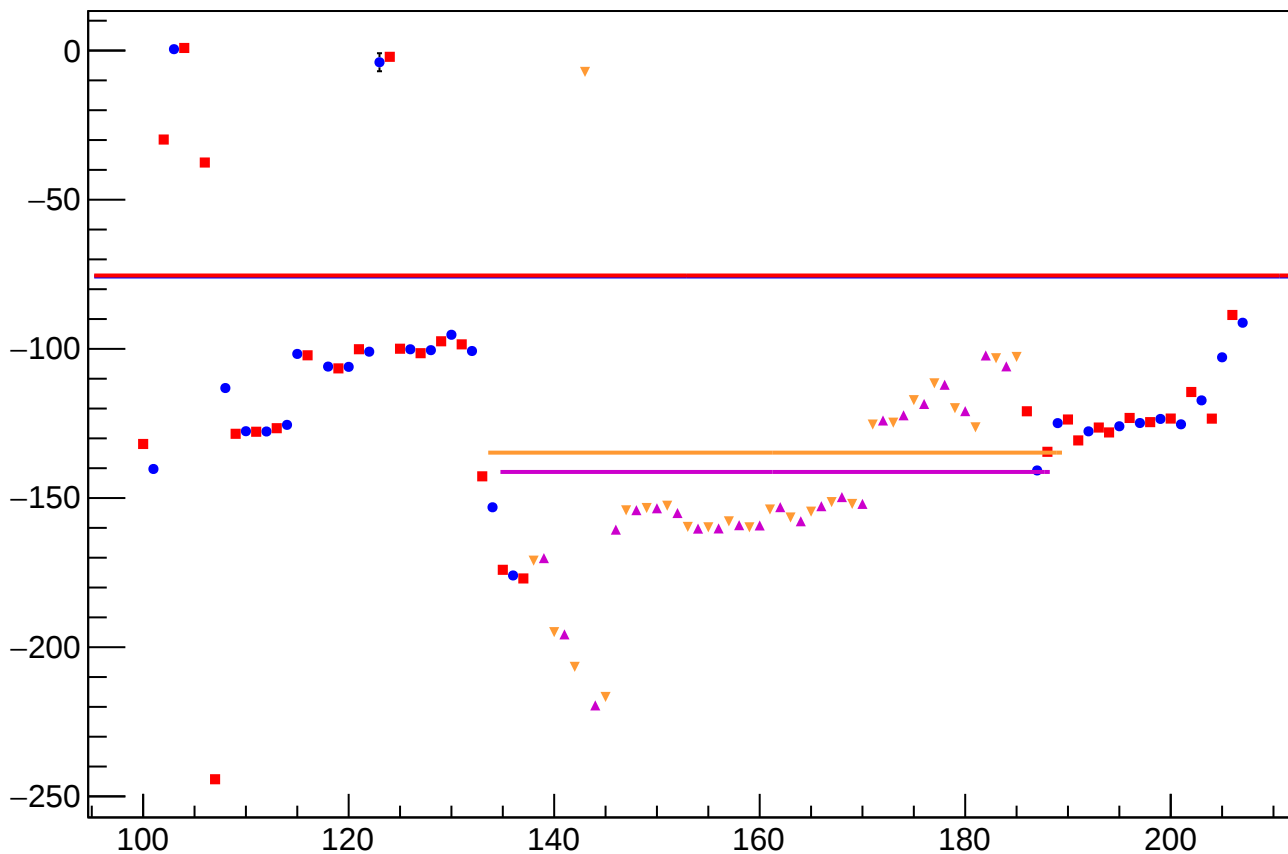
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 49.981 ± 0.730 $\chi^2/\text{NDF}: 1840.1/51$

All: 48.929 ± 0.517 $\chi^2/\text{NDF}: 3373.9/105$

- sign 47.872 ± 0.732 $\chi^2/\text{NDF}: 1529.6/53$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -75.742 ± 0.052 $\chi^2/\text{NDF}: 1403549.4/26$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -75.405 ± 0.050 $\chi^2/\text{NDF}: 1395320.3/30$

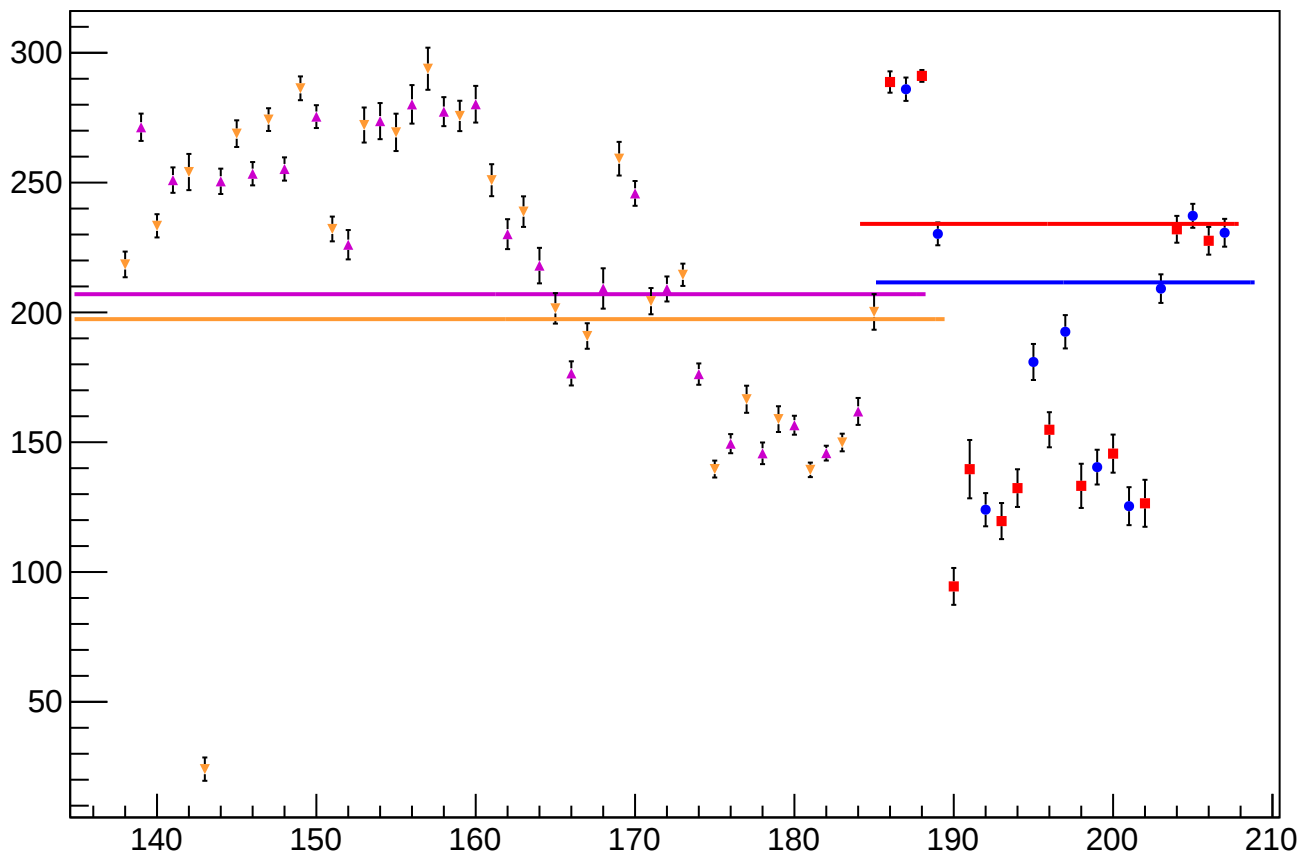
Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

+ sign -109.692 ± 0.034 $\chi^2/\text{NDF}: 2956149.9/51$

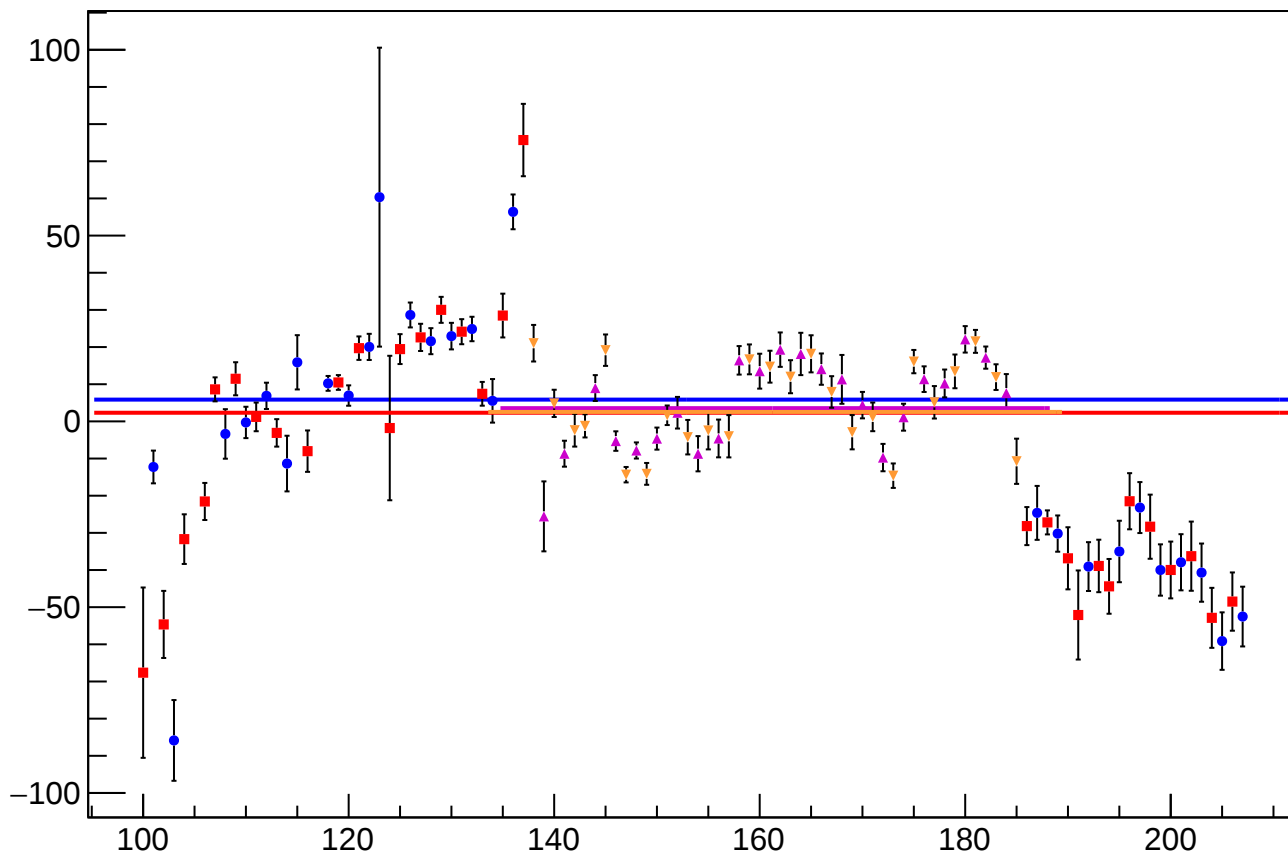
All: -110.585 ± 0.024 $\chi^2/\text{NDF}: 5656437.5/10$

- sign -111.465 ± 0.034 $\chi^2/\text{NDF}: 2698898.7/53$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 5.859 ± 0.863 χ^2/NDF : 759.5/26

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 2.322 ± 0.822 χ^2/NDF : 786.1/30

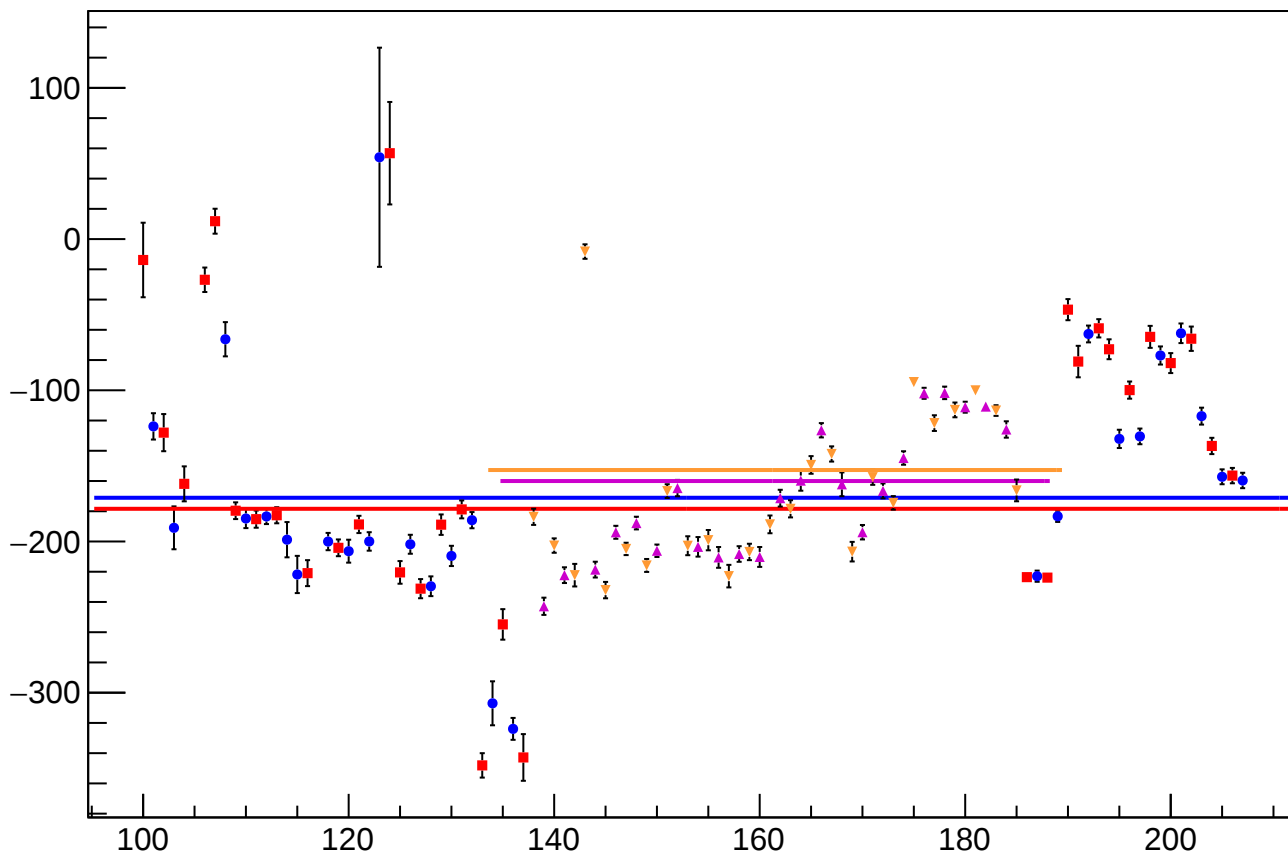
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 3.953 ± 0.562 χ^2/NDF : 1043.4/51

All: 3.467 ± 0.398 χ^2/NDF : 2024.2/105

- sign 2.978 ± 0.564 χ^2/NDF : 979.3/53

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -171.081 ± 1.183 χ^2/NDF : 2230.9/26

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -178.379 ± 1.012 χ^2/NDF : 4578.3/30

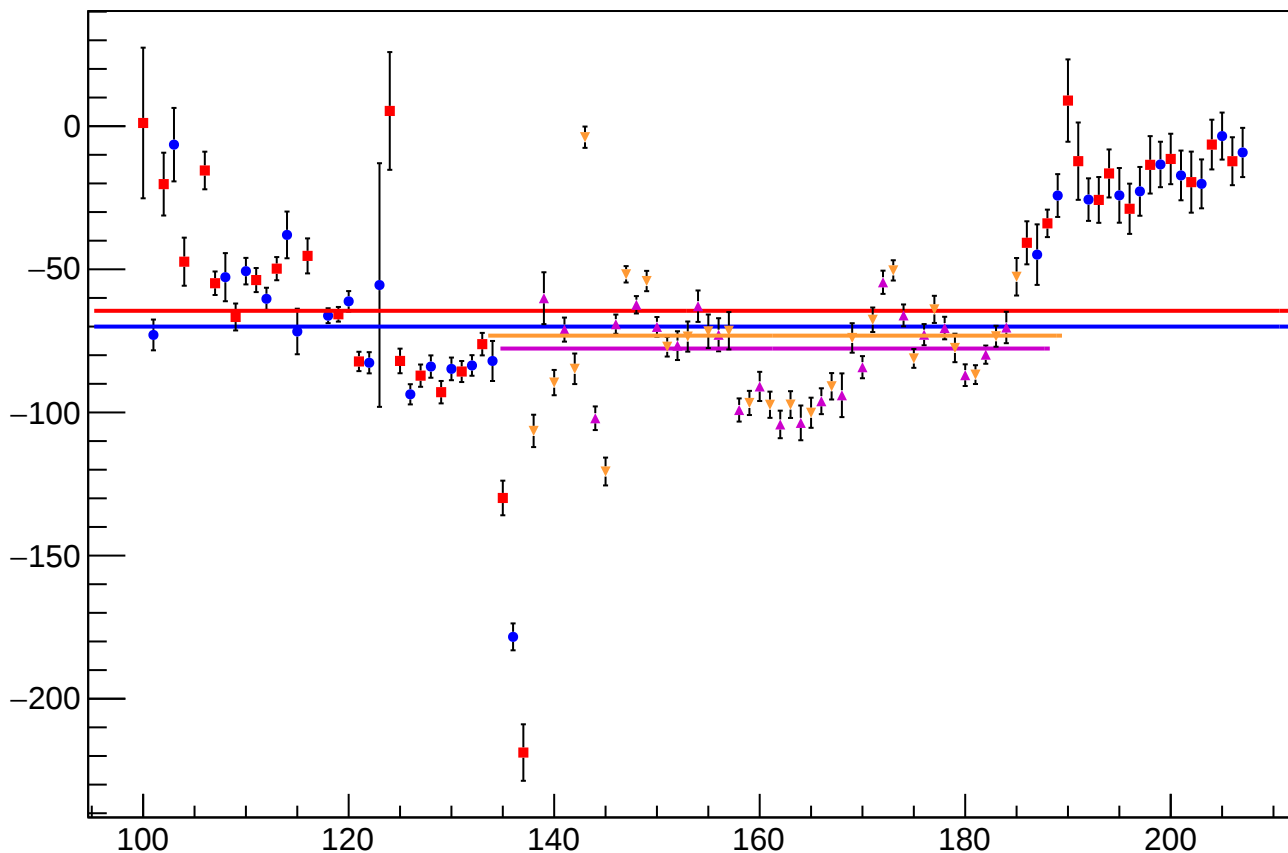
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -160.085 ± 0.749 χ^2/NDF : 5452.8/51

All: -164.786 ± 0.514 χ^2/NDF : 12298.4/105

- sign -168.983 ± 0.707 χ^2/NDF : 6771.0/53

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -70.006 $\pm$ 1.004 χ^2/NDF : 1078.9/26

Left Out: -73.165 $\pm$ 0.851 χ^2/NDF : 788.6/24

Right Out: -64.494 $\pm$ 0.965 χ^2/NDF : 991.4/30

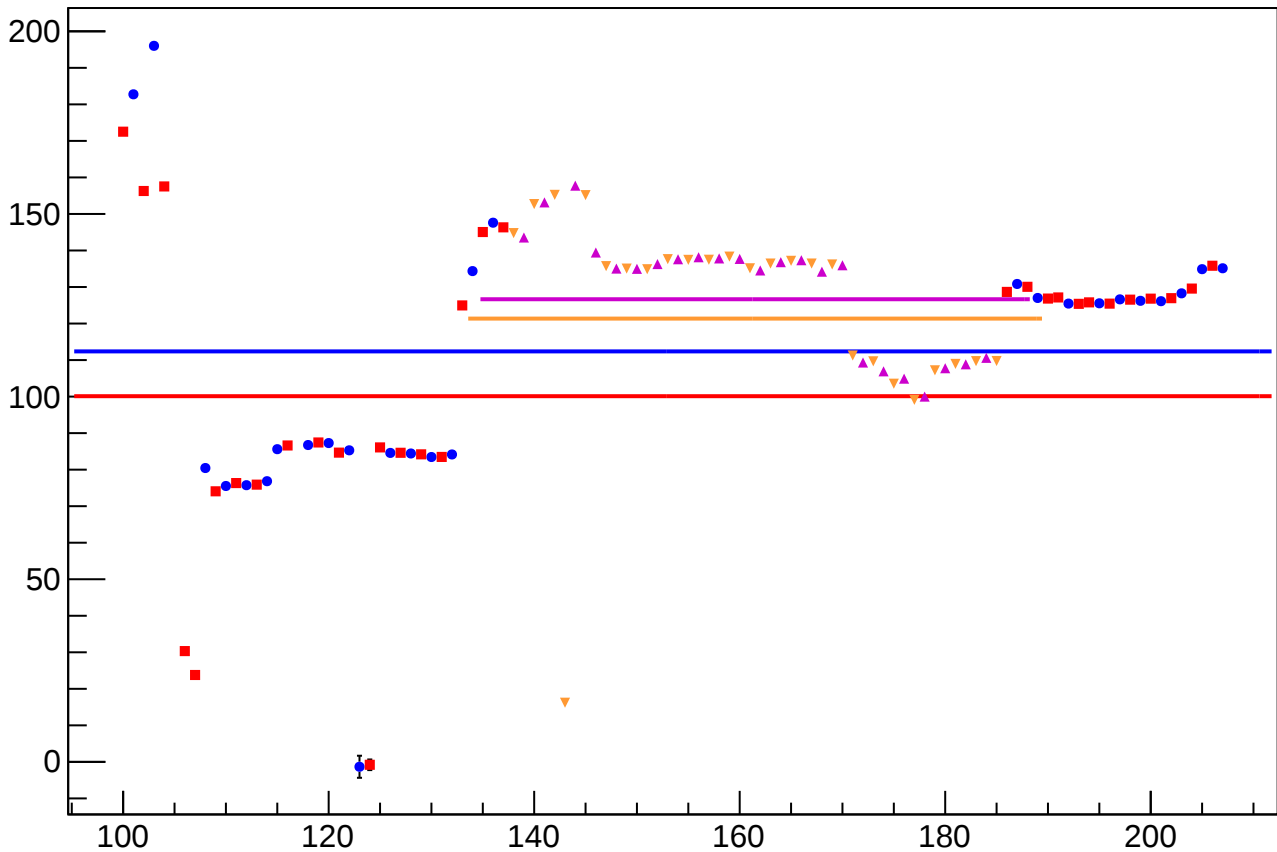
Left In: -77.678 $\pm$ 0.883 χ^2/NDF : 248.3/22

+ sign -71.844 $\pm$ 0.649 χ^2/NDF : 1873.3/51

All: -71.757 $\pm$ 0.460 χ^2/NDF : 3214.5/105

- sign -71.670 $\pm$ 0.651 χ^2/NDF : 1341.2/53

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 112.376 $\pm$ 0.056 χ^2/NDF : 315991.5/26

Left Out: 121.356 $\pm$ 0.040 χ^2/NDF : 481977.3/24

Right Out: 100.111 $\pm$ 0.051 χ^2/NDF : 581070.5/30

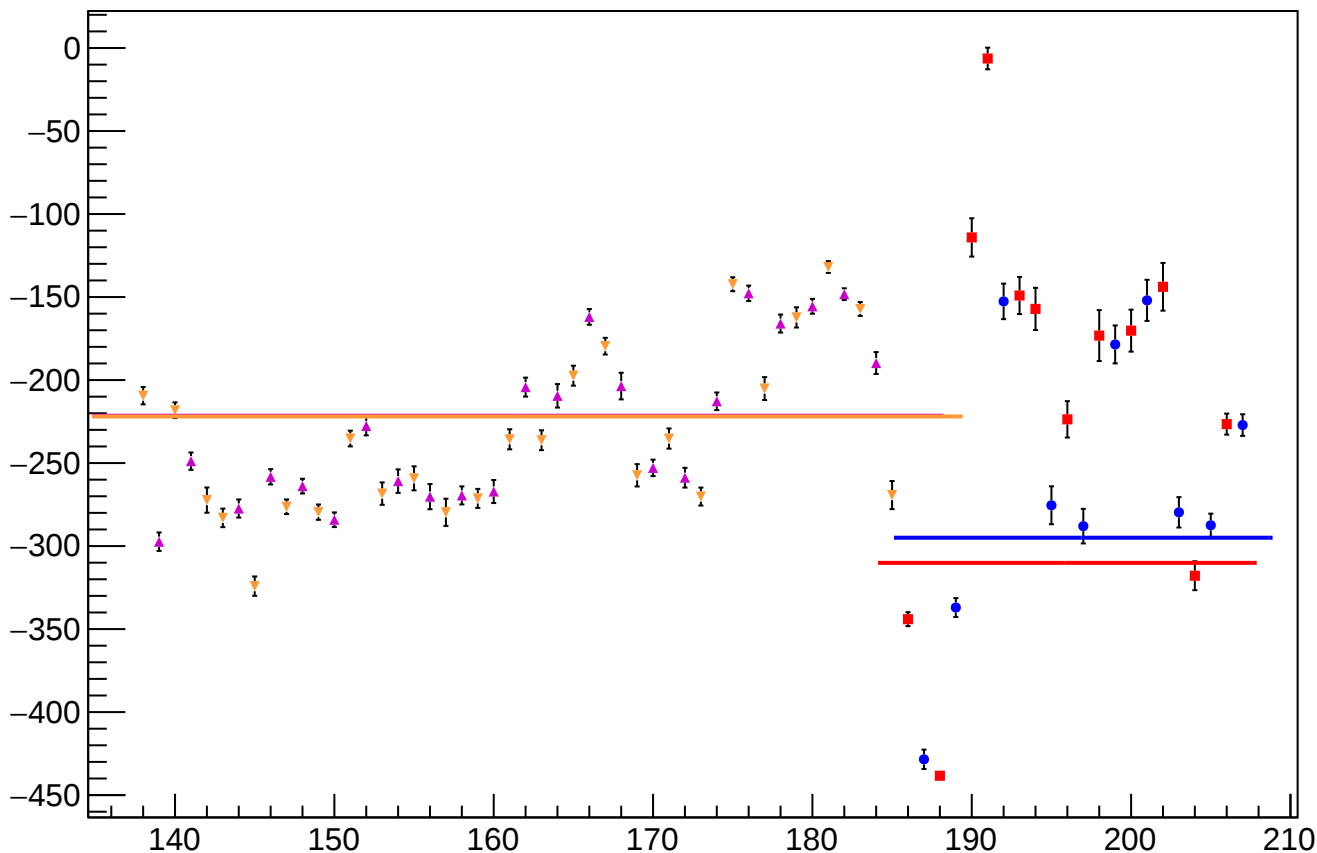
Left In: 126.653 $\pm$ 0.041 χ^2/NDF : 163046.1/22

+ sign 118.324 $\pm$ 0.033 χ^2/NDF : 814729.7/51

All: 117.283 $\pm$ 0.023 χ^2/NDF : 1723856.4/105

- sign 116.288 $\pm$ 0.032 χ^2/NDF : 907158.0/53

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -294.964 $\pm$ 2.532 χ^2/NDF : 1108.7/9

Left Out: -221.934 $\pm$ 1.084 χ^2/NDF : 2578.4/24

Right Out: -310.107 $\pm$ 1.917 χ^2/NDF : 5234.4/11

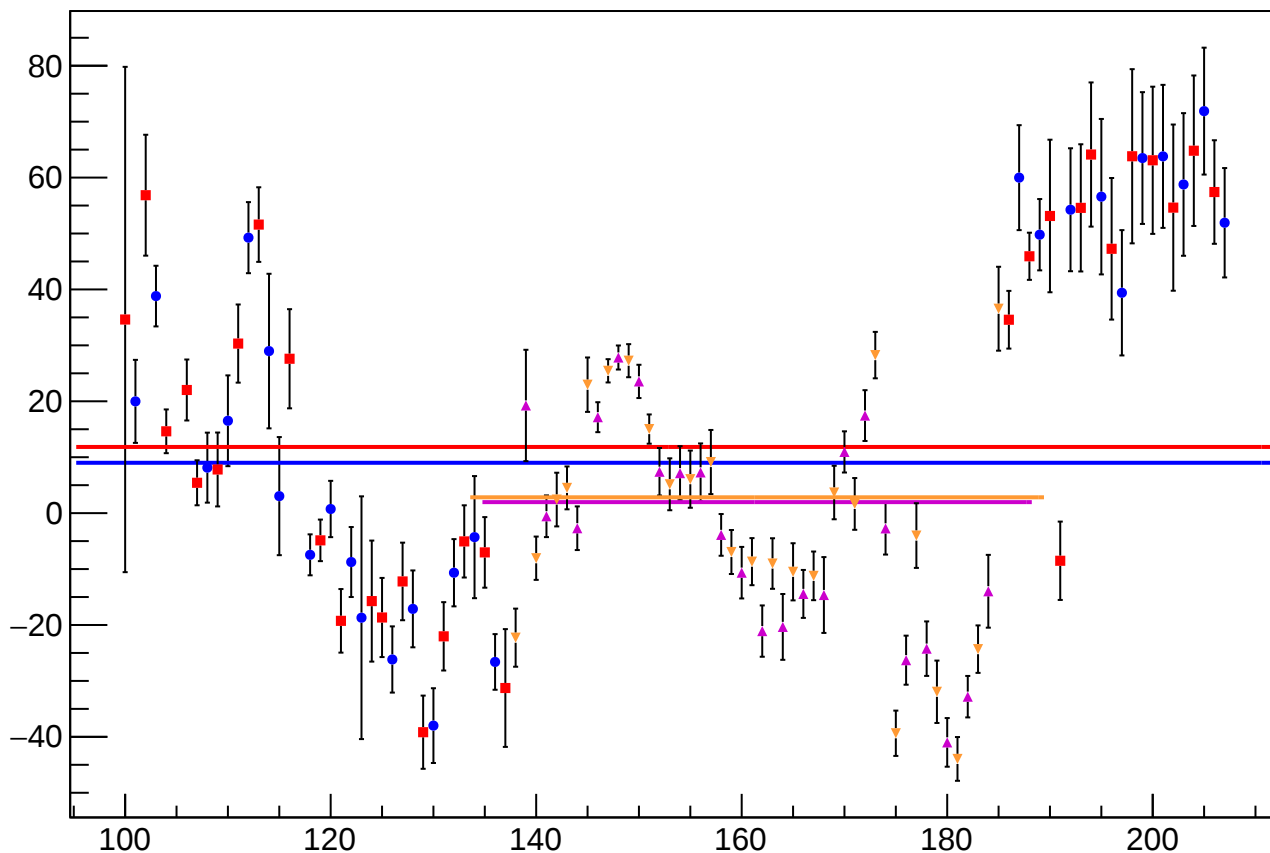
Left In: -221.483 $\pm$ 1.102 χ^2/NDF : 2149.8/22

+ sign -233.256 $\pm$ 0.997 χ^2/NDF : 4390.1/34

All: -238.592 $\pm$ 0.690 χ^2/NDF : 13435.0/69

- sign -243.495 $\pm$ 0.956 χ^2/NDF : 8989.9/34

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 9.004 ± 1.391 $\chi^2/\text{NDF}: 482.4/26$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 11.835 ± 1.212 $\chi^2/\text{NDF}: 496.6/30$

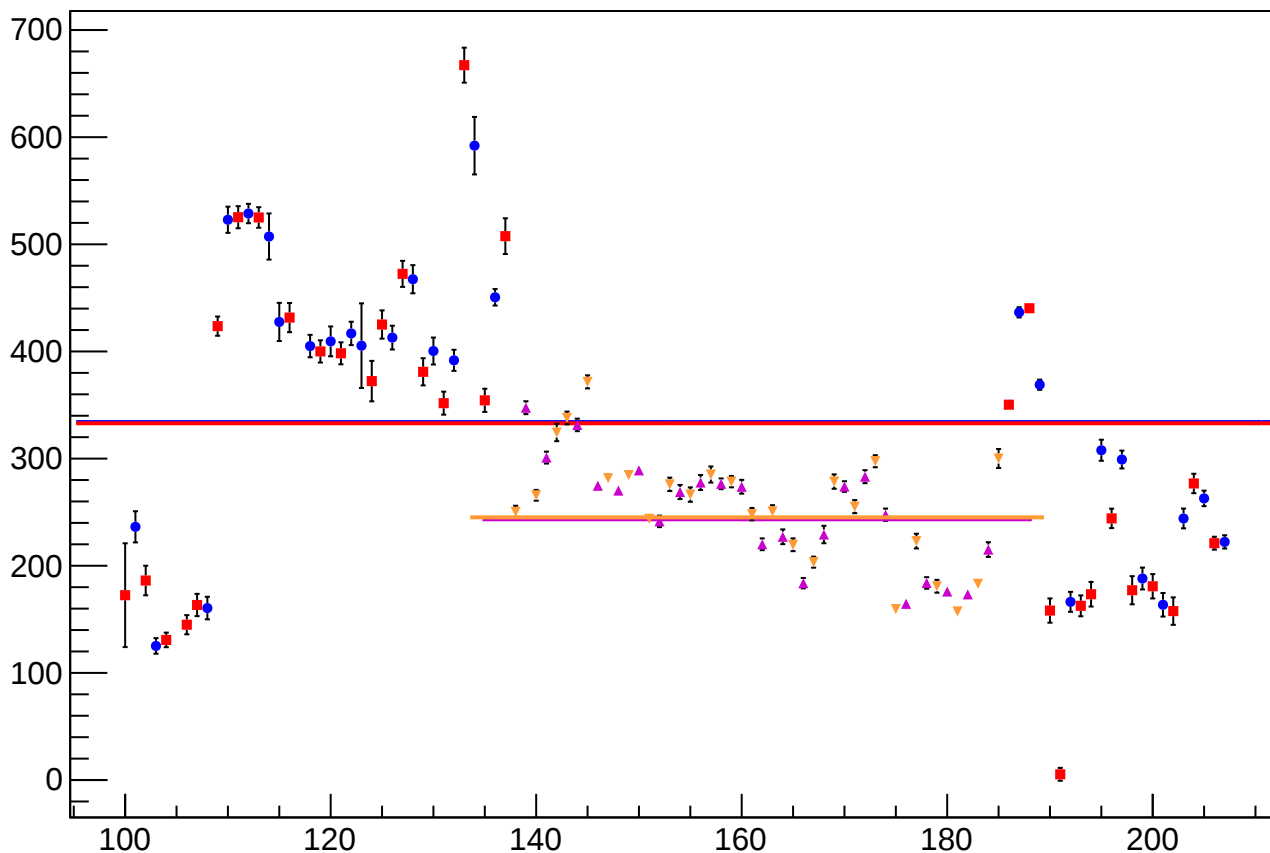
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 4.387 ± 0.698 $\chi^2/\text{NDF}: 1184.0/51$

All: 4.771 ± 0.490 $\chi^2/\text{NDF}: 2315.2/105$

- sign 5.143 ± 0.688 $\chi^2/\text{NDF}: 1130.6/53$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 334.113 $\pm$ 1.746 χ^2 /NDF: 4436.2/26

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF: 2597.4/24

Right Out: 332.970 $\pm$ 1.369 χ^2 /NDF: 10067.3/30

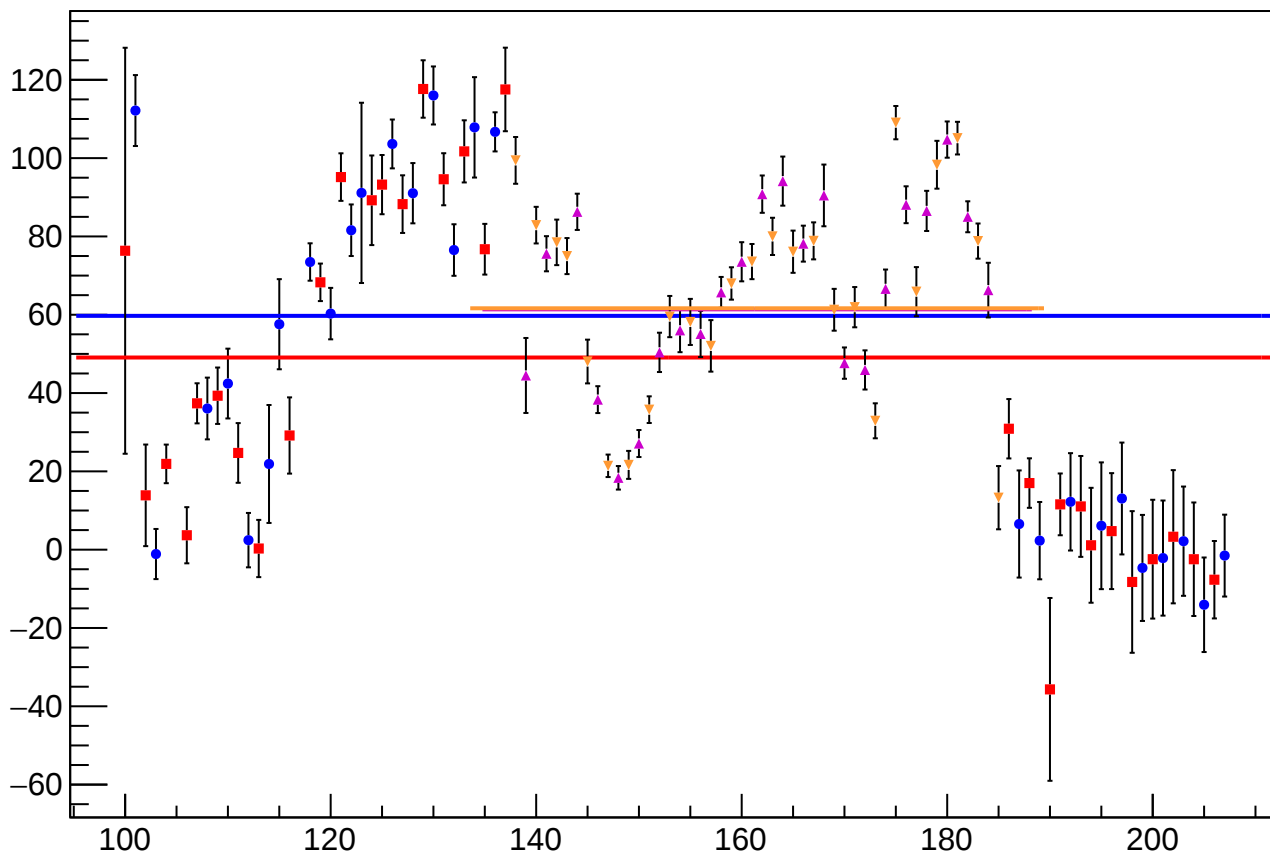
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF: 2236.7/22

+ sign 269.850 $\pm$ 0.920 χ^2 /NDF: 8907.7/51

All: 274.375 $\pm$ 0.626 χ^2 /NDF: 23872.4/105

- sign 278.280 $\pm$ 0.854 χ^2 /NDF: 14919.6/53

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 59.717+/-1.618 χ^2/NDF : 679.0/26

Left Out: 61.647+/-0.936 χ^2/NDF : 871.5/24

Right Out: 49.077+/-1.449 χ^2/NDF : 700.2/30

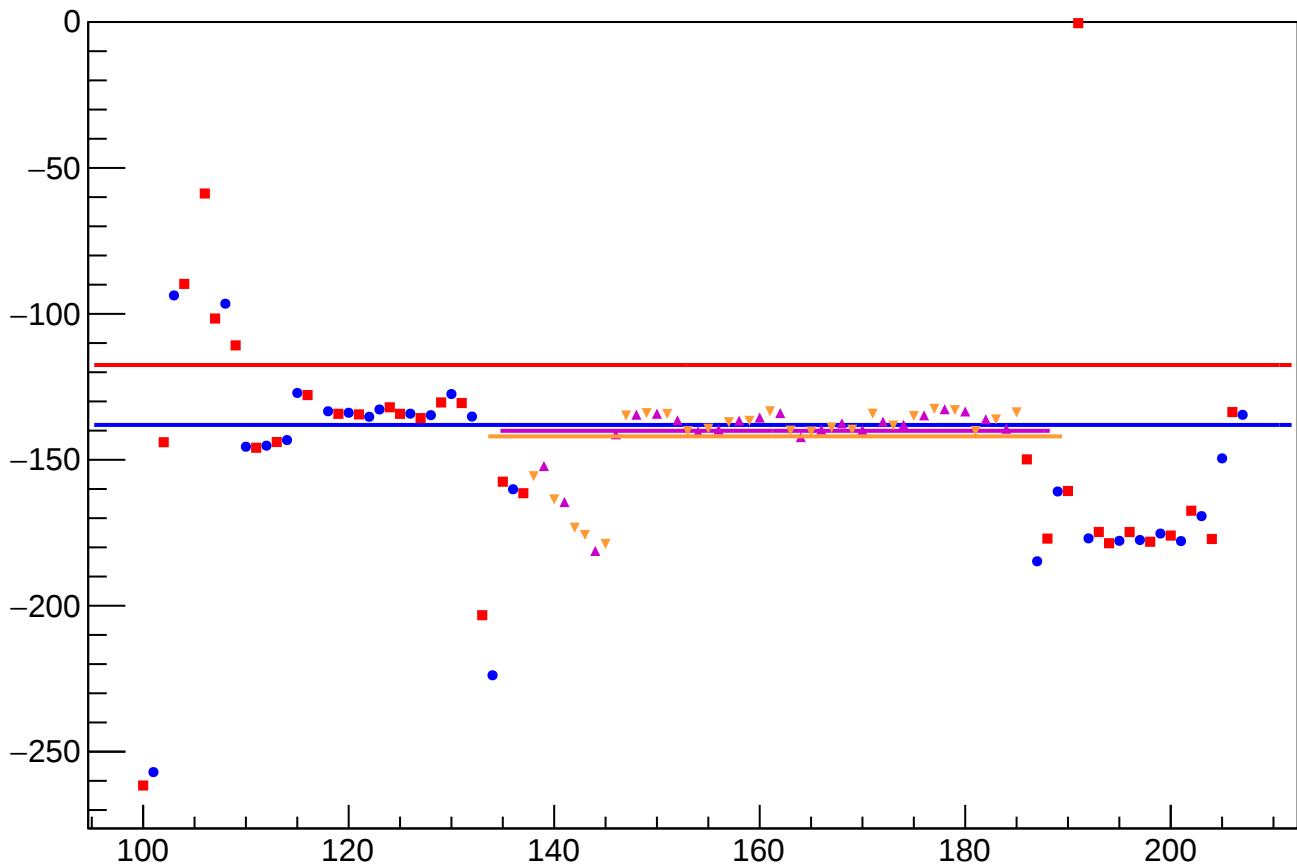
Left In: 61.375+/-0.961 χ^2/NDF : 699.7/22

+ sign 61.163+/-0.810 χ^2/NDF : 1551.6/51

All: 59.370+/-0.570 χ^2/NDF : 3011.2/105

- sign 57.618+/-0.801 χ^2/NDF : 1449.9/53

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -138.055 ± 0.077 χ^2/NDF : 233102.8/26

Left Out: -141.969 ± 0.045 χ^2/NDF : 80252.6/24

Right Out: -117.522 ± 0.067 χ^2/NDF : 608697.7/30

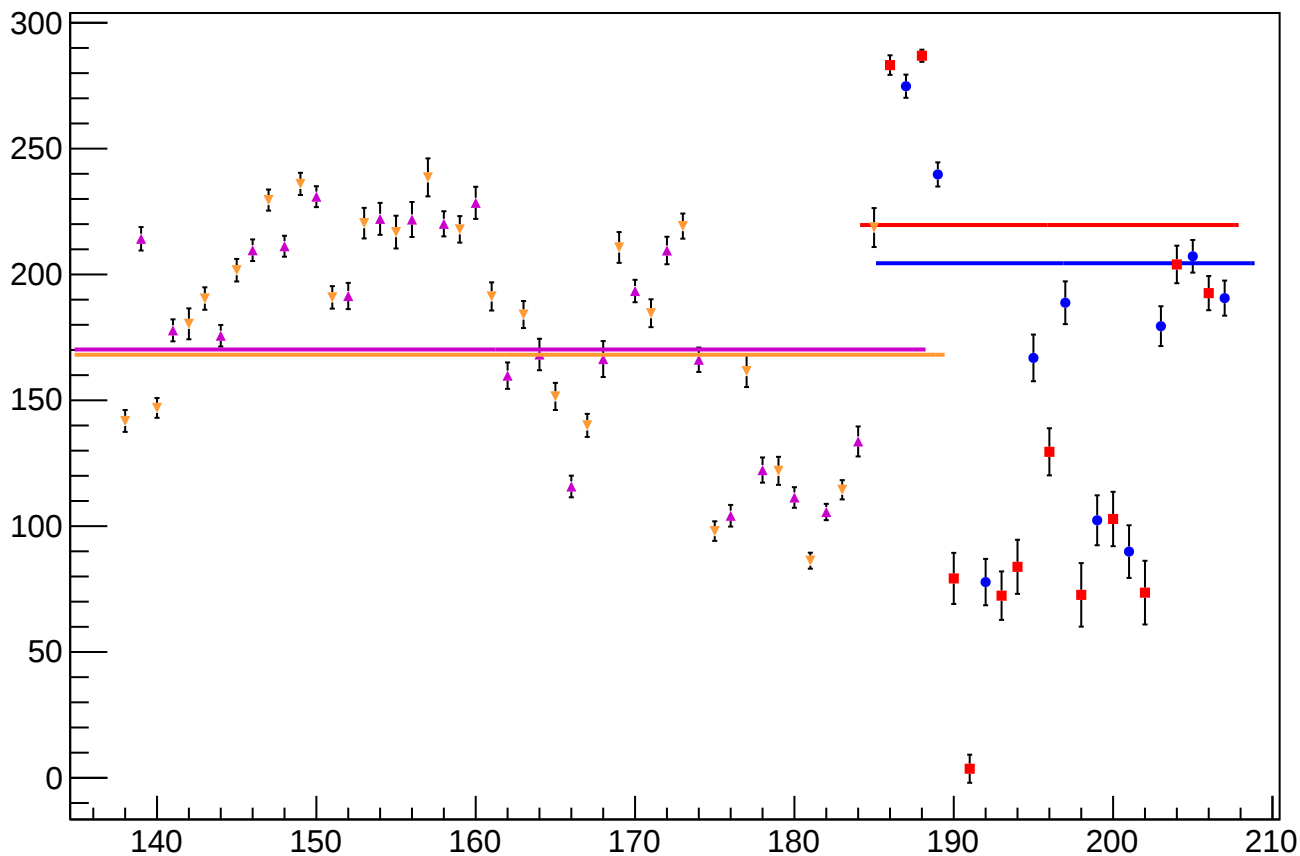
Left In: -140.068 ± 0.045 χ^2/NDF : 48030.7/22

+ sign -140.974 ± 0.039 χ^2/NDF : 315304.6/51

All: -136.929 ± 0.027 χ^2/NDF : 1070647.4/10

- sign -133.124 ± 0.037 χ^2/NDF : 734033.5/53

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 204.466 $\pm$ 2.195 χ^2 /NDF: 736.9/9

Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF:2468.8/24

Right Out: 219.647 $\pm$ 1.640 χ^2 /NDF: 3626.0/11

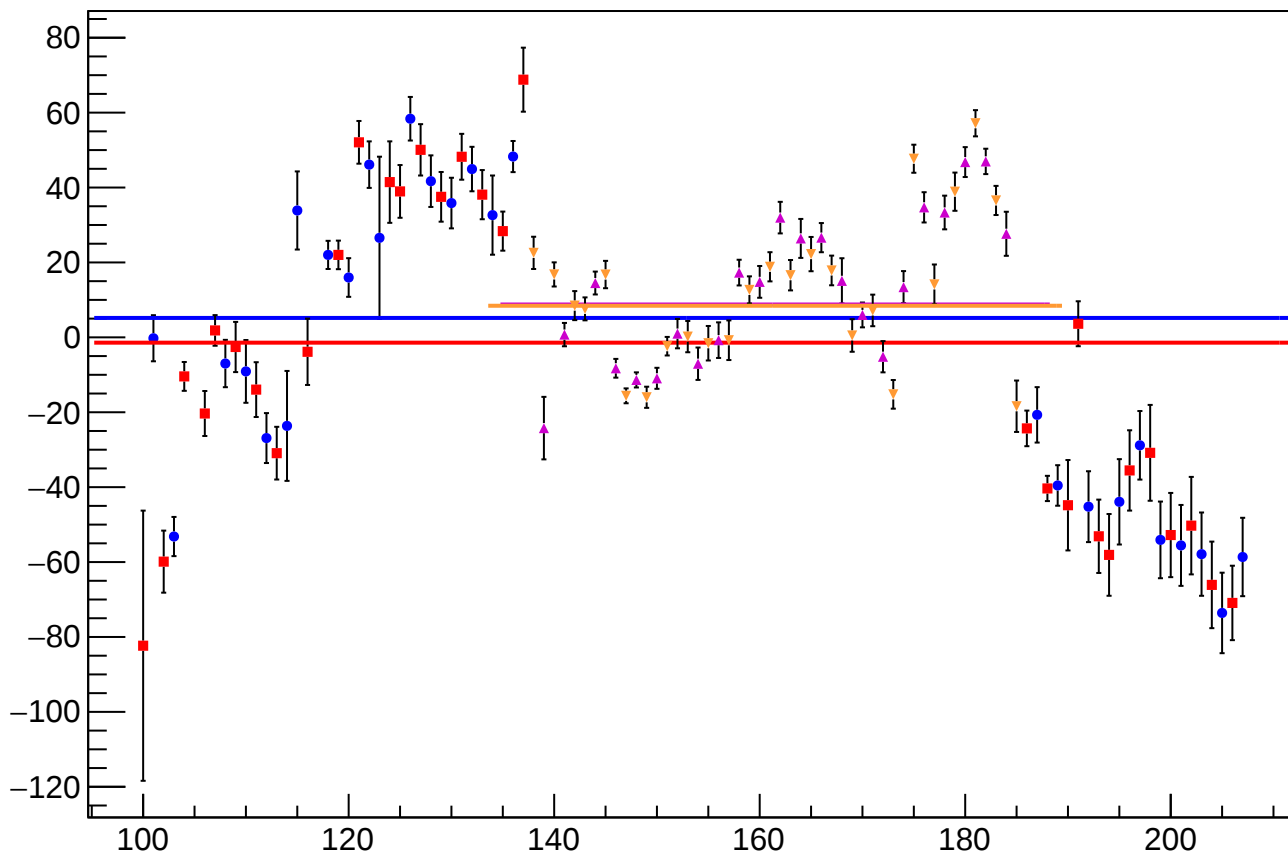
Left In: 170.198 $\pm$ 0.995 χ^2 /NDF:2024.5/22

+ sign 174.049 $\pm$ 0.887 χ^2 /NDF: 3435.2/34

All: 178.977 $\pm$ 0.614 χ^2 /NDF: 9809.2/69

- sign 183.508 $\pm$ 0.851 χ^2 /NDF: 6314.8/34

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 5.184 ± 1.325 χ^2/NDF : 856.1/26

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: -1.420 ± 1.156 χ^2/NDF : 914.1/30

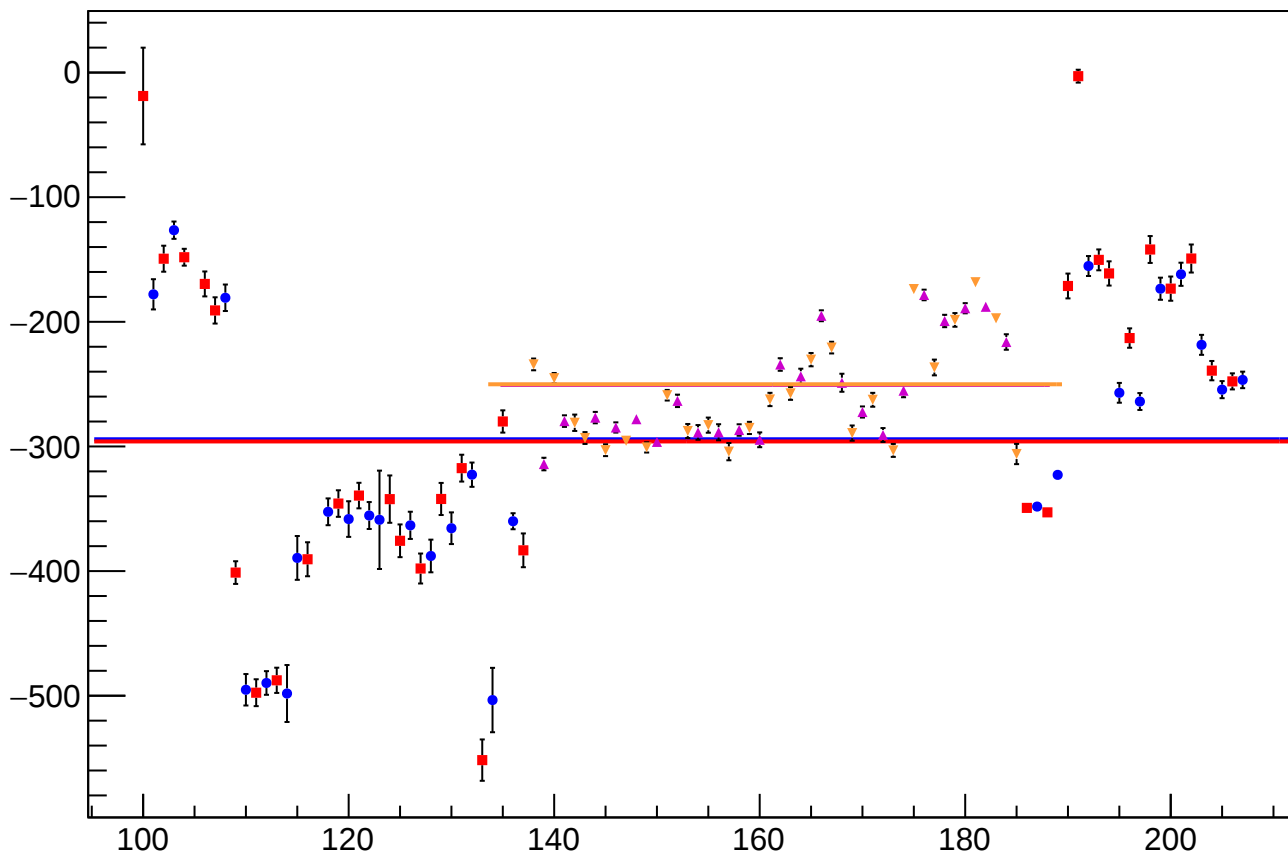
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 7.682 ± 0.638 χ^2/NDF : 1612.7/51

All: 6.686 ± 0.450 χ^2/NDF : 3212.9/105

- sign 5.703 ± 0.634 χ^2/NDF : 1595.3/53

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -294.230 ± 1.564 χ^2/NDF : 3125.7/26

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -295.982 ± 1.209 χ^2/NDF : 8109.9/30

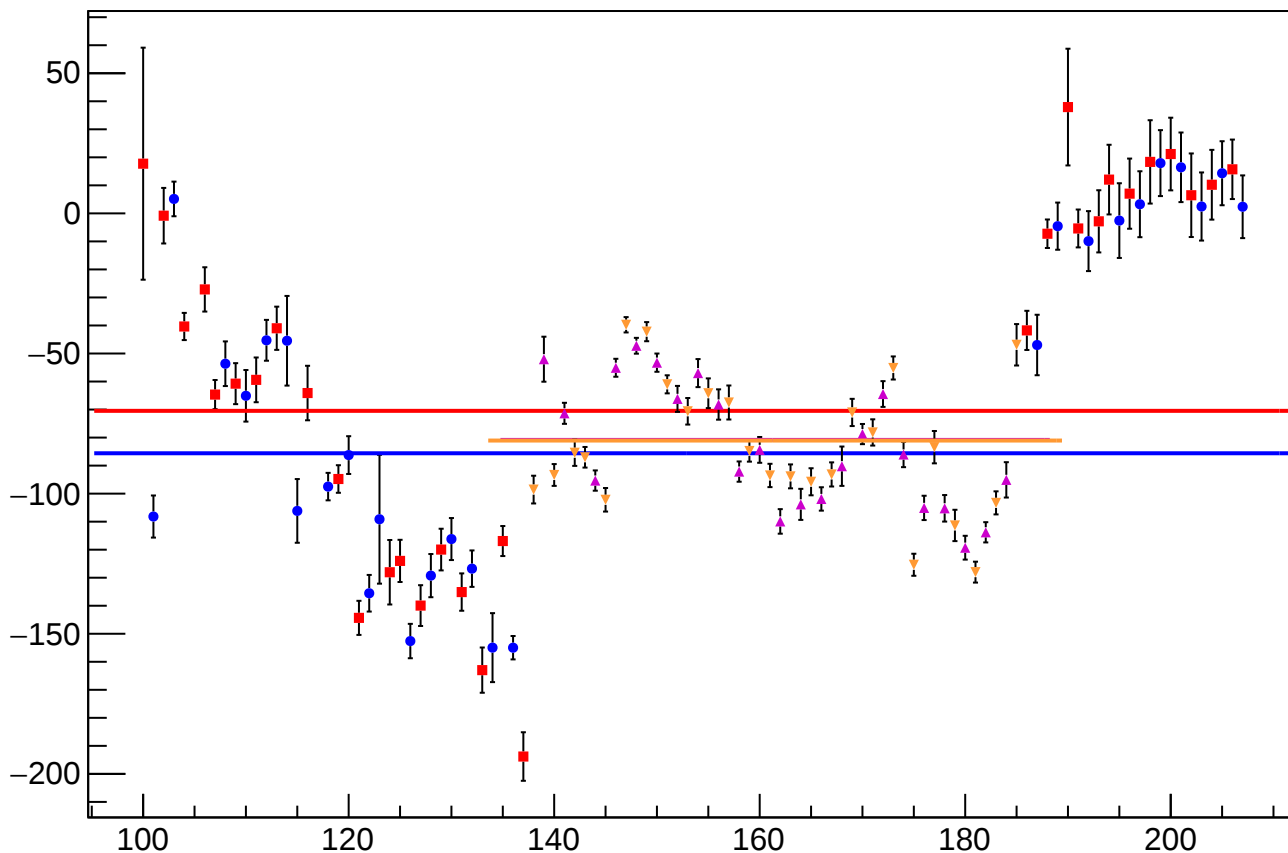
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -262.418 ± 0.826 χ^2/NDF : 5946.5/51

All: -265.873 ± 0.562 χ^2/NDF : 16868.5/105

- sign -268.847 ± 0.766 χ^2/NDF : 10889.5/53

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -85.595 ± 1.543 $\chi^2/\text{NDF}: 1454.9/26$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -70.459 ± 1.388 $\chi^2/\text{NDF}: 1660.0/30$

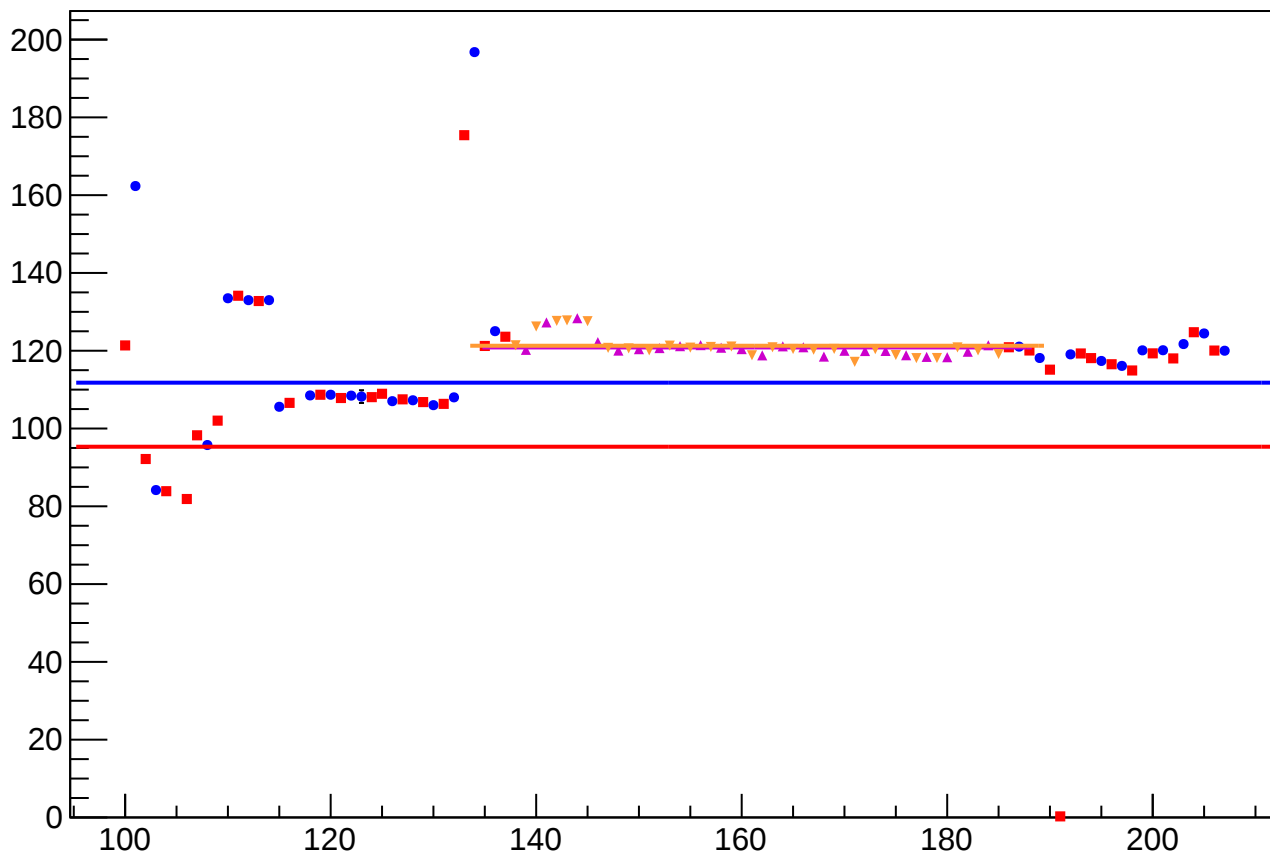
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -82.101 ± 0.740 $\chi^2/\text{NDF}: 2374.6/51$

All: -79.995 ± 0.523 $\chi^2/\text{NDF}: 4784.0/105$

- sign -77.898 ± 0.738 $\chi^2/\text{NDF}: 2393.2/53$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 111.786 $\pm$ 0.071 χ^2 /NDF: 78594.3/26

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 95.320 $\pm$ 0.062 χ^2 /NDF: 363471.7/30

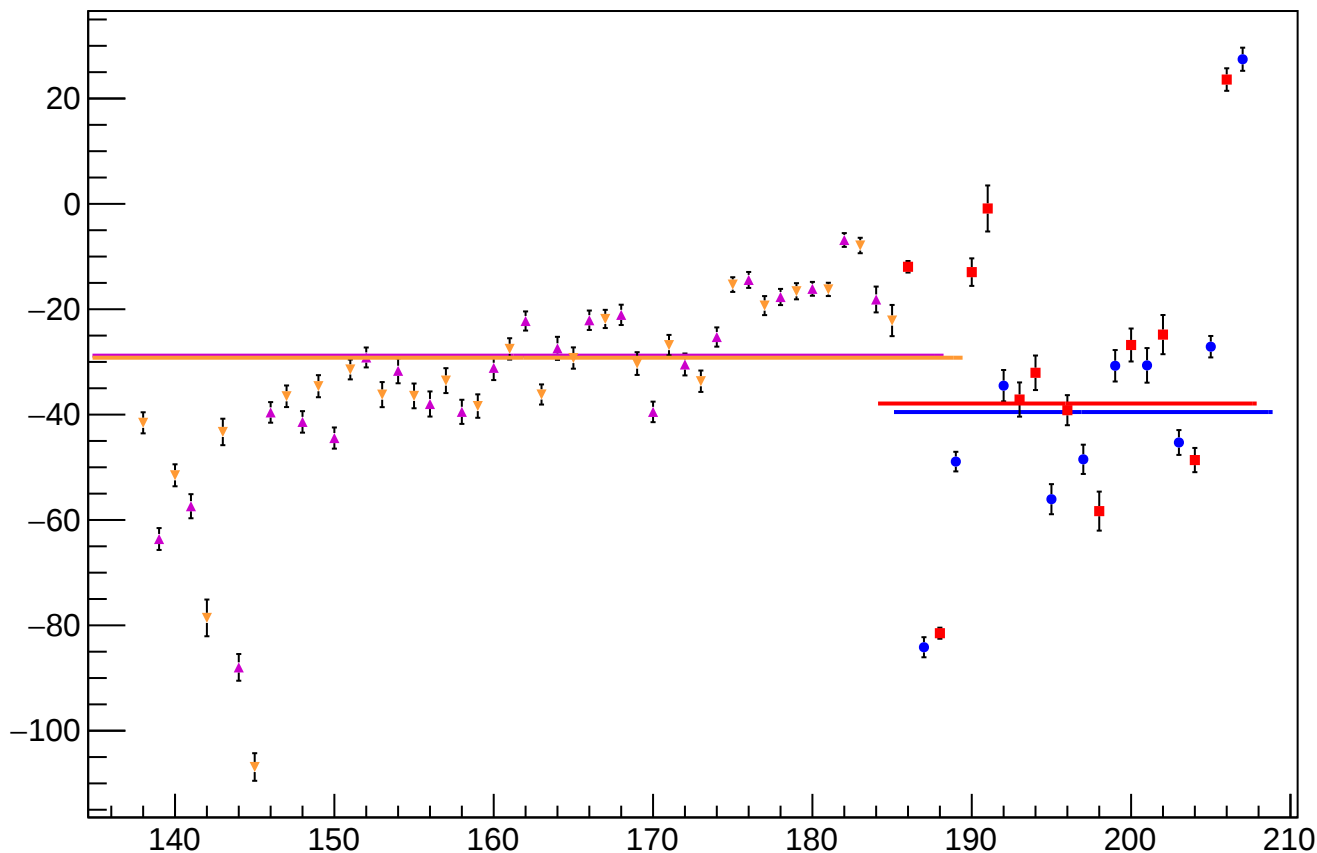
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 118.992 $\pm$ 0.035 χ^2 /NDF: 97062.7/51

All: 116.046 $\pm$ 0.024 χ^2 /NDF: 595000.9/105

- sign 113.239 $\pm$ 0.034 χ^2 /NDF: 484046.5/53

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -39.513 ± 0.753 $\chi^2/\text{NDF}: 1609.4/9$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -37.895 ± 0.587 $\chi^2/\text{NDF}: 3356.1/11$

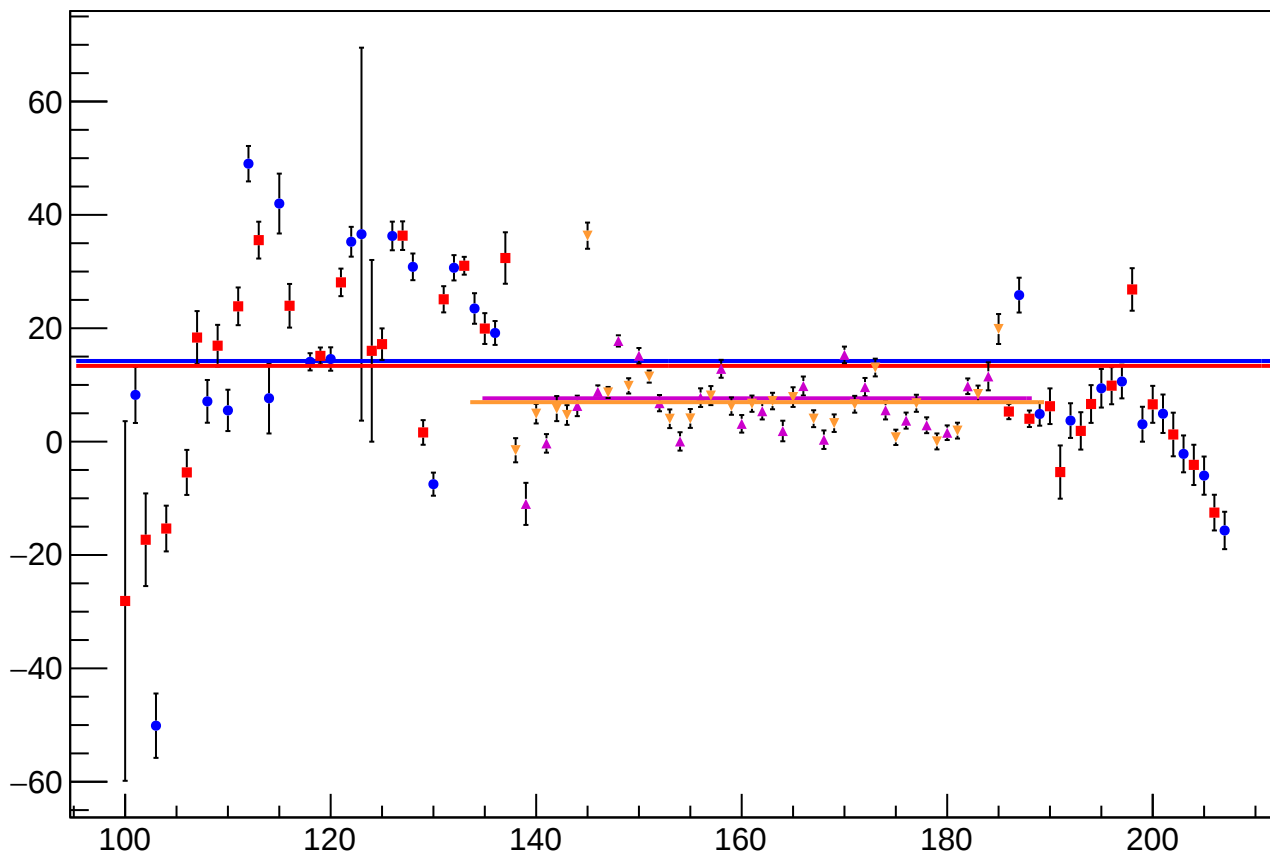
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -31.367 ± 0.345 $\chi^2/\text{NDF}: 3639.0/34$

All: -31.513 ± 0.238 $\chi^2/\text{NDF}: 8924.0/69$

- sign -31.645 ± 0.328 $\chi^2/\text{NDF}: 5284.7/34$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.226 ± 0.538 $\chi^2/\text{NDF}: 882.3/26$

Left Out: 6.960 ± 0.303 $\chi^2/\text{NDF}: 321.3/24$

Right Out: 13.363 ± 0.484 $\chi^2/\text{NDF}: 716.9/30$

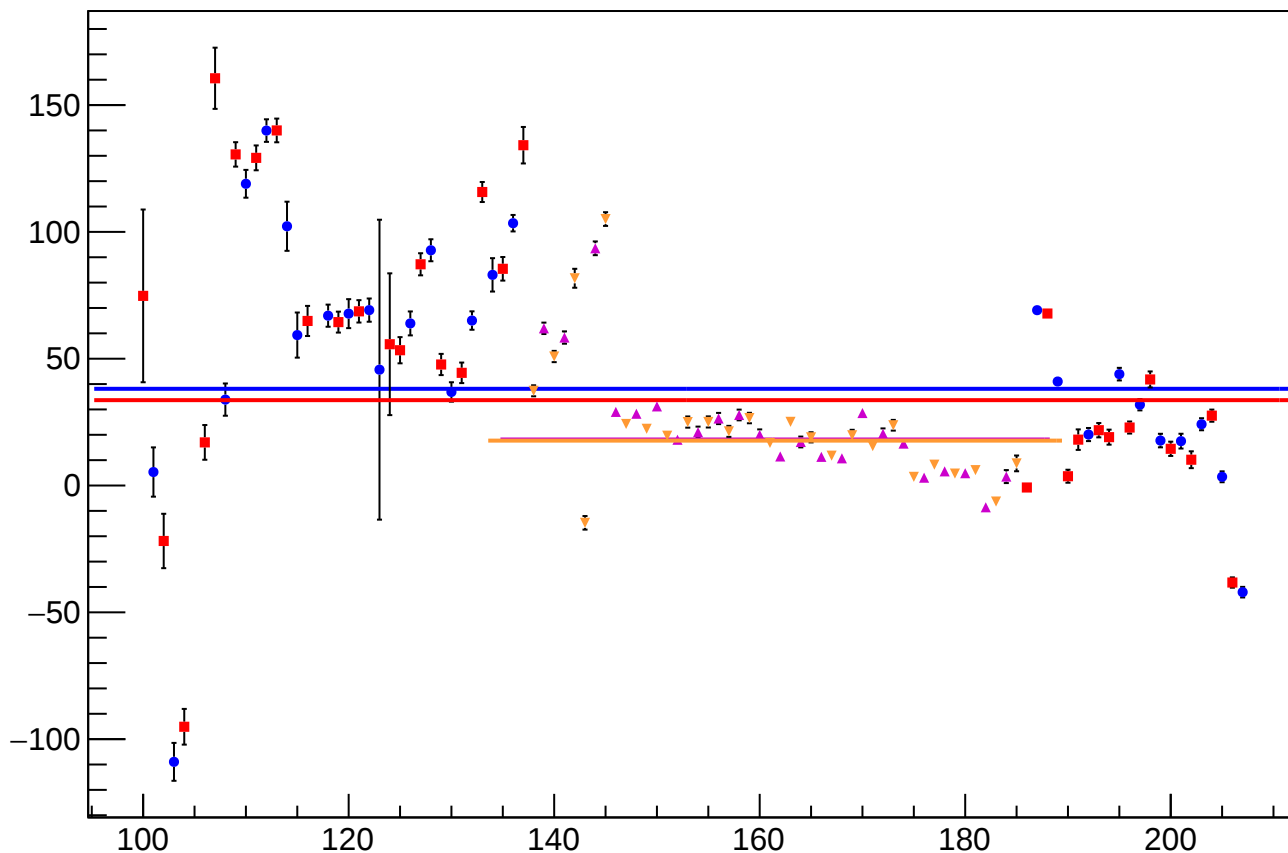
Left In: 7.638 ± 0.313 $\chi^2/\text{NDF}: 337.7/22$

+ sign 8.708 ± 0.264 $\chi^2/\text{NDF}: 1342.0/51$

All: 9.021 ± 0.186 $\chi^2/\text{NDF}: 2498.0/105$

- sign 9.332 ± 0.263 $\chi^2/\text{NDF}: 1153.3/53$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 38.132 ± 0.592 $\chi^2/\text{NDF}: 4334.3/26$

Left Out: 17.705 ± 0.387 $\chi^2/\text{NDF}: 2432.2/24$

Right Out: 33.658 ± 0.460 $\chi^2/\text{NDF}: 7610.6/30$

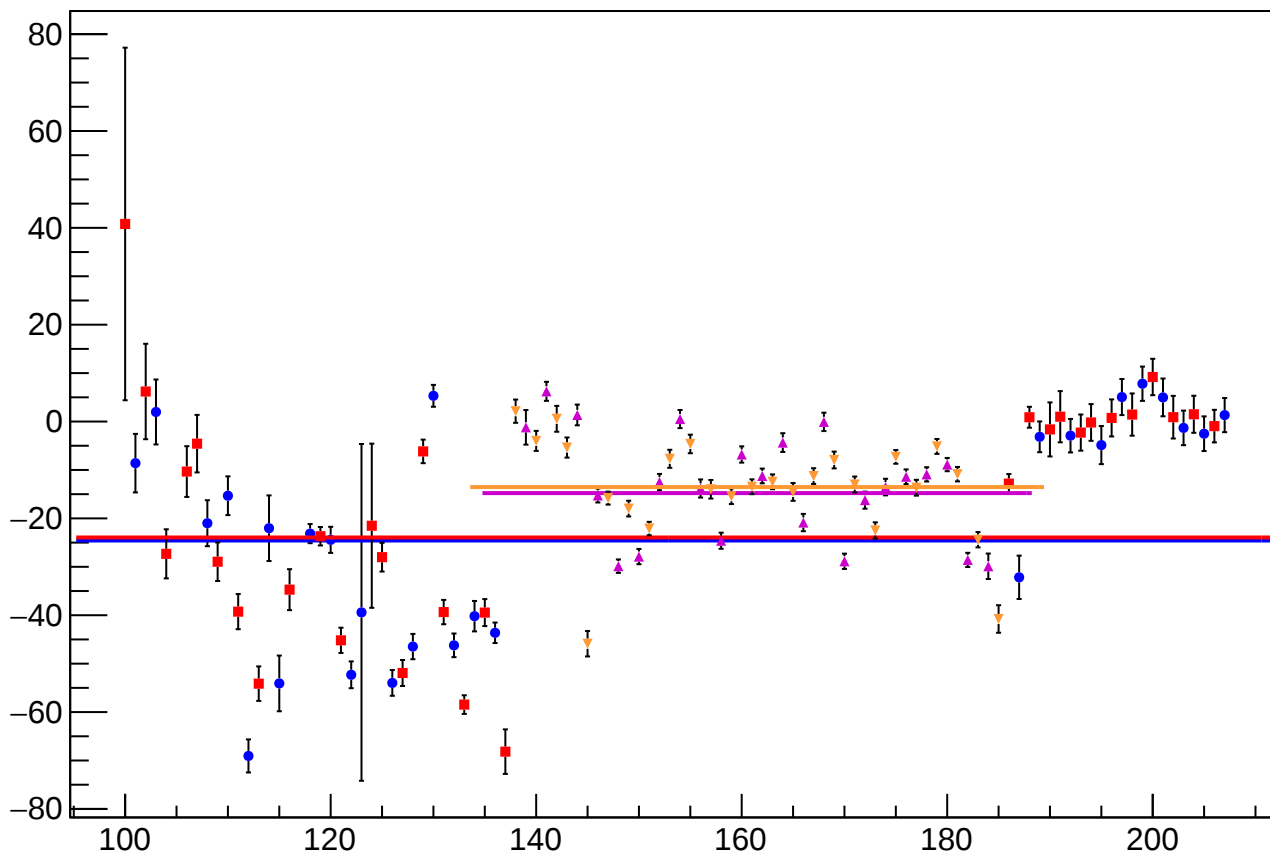
Left In: 18.150 ± 0.393 $\chi^2/\text{NDF}: 2339.4/22$

+ sign 23.828 ± 0.324 $\chi^2/\text{NDF}: 7600.7/51$

All: 24.292 ± 0.220 $\chi^2/\text{NDF}: 18212.2/105$

- sign 24.686 ± 0.299 $\chi^2/\text{NDF}: 10607.7/53$

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -24.564 ± 0.627 $\chi^2/\text{NDF}: 1329.3/26$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -23.945 ± 0.585 $\chi^2/\text{NDF}: 1392.1/30$

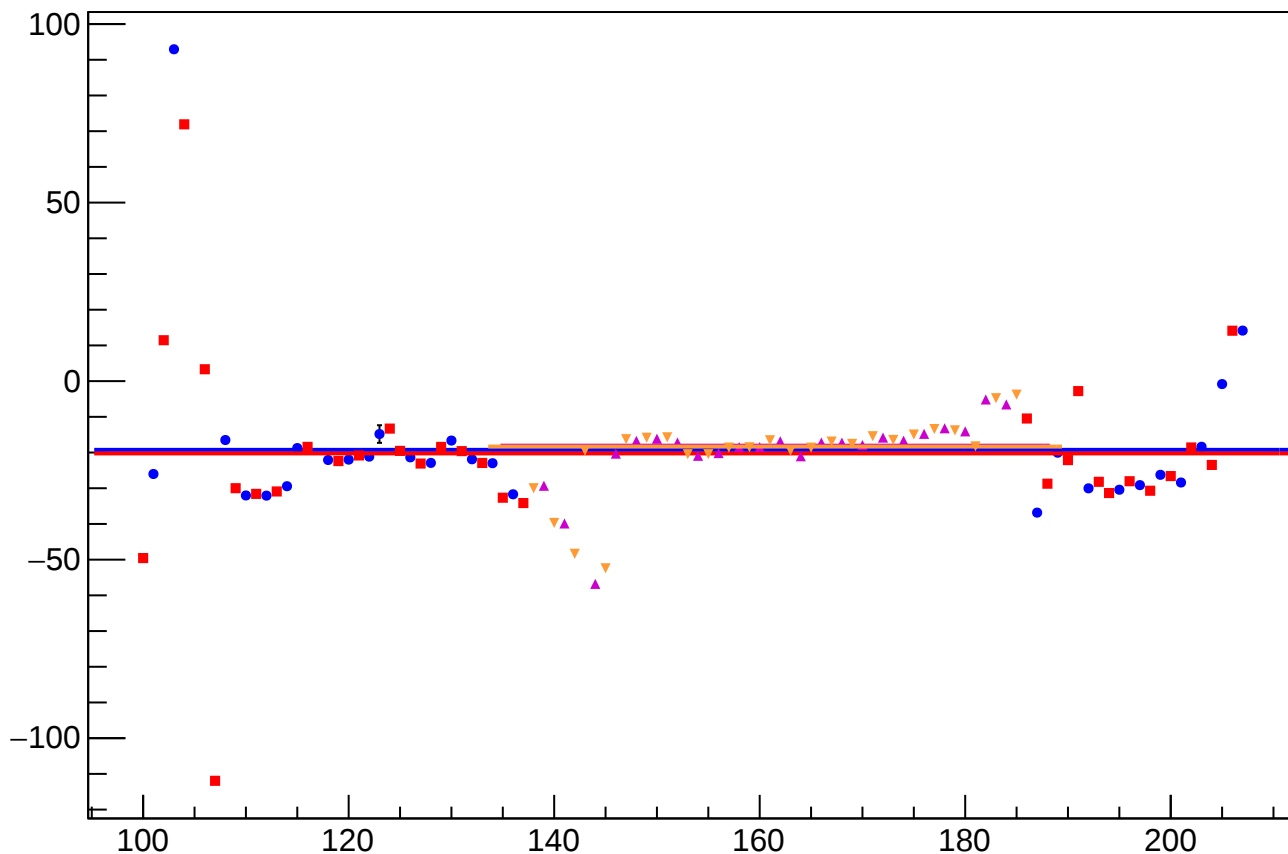
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -16.087 ± 0.302 $\chi^2/\text{NDF}: 2140.4/51$

All: -16.658 ± 0.214 $\chi^2/\text{NDF}: 4557.3/105$

- sign -17.234 ± 0.303 $\chi^2/\text{NDF}: 2409.7/53$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -19.248 ± 0.030 $\chi^2/\text{NDF}: 594763.7/26$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -20.244 ± 0.028 $\chi^2/\text{NDF}: 561374.7/30$

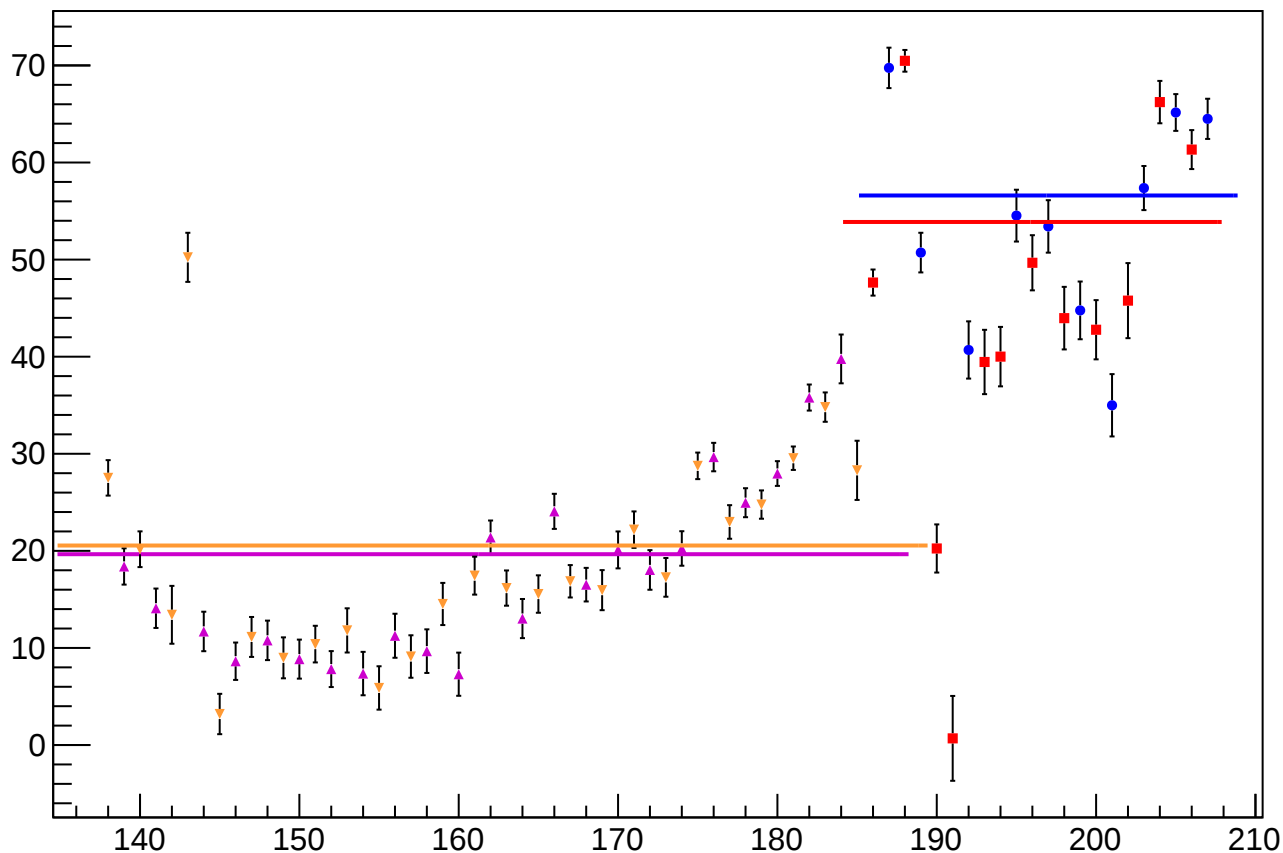
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.534 ± 0.014 $\chi^2/\text{NDF}: 879643.3/51$

All: -18.571 ± 0.010 $\chi^2/\text{NDF}: 1687358.7/105$

- sign -18.608 ± 0.014 $\chi^2/\text{NDF}: 807701.5/53$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 56.604 ± 0.750 $\chi^2/\text{NDF}: 175.5/9$

Left Out: 20.550 ± 0.373 $\chi^2/\text{NDF}: 626.4/24$

Right Out: 53.876 ± 0.618 $\chi^2/\text{NDF}: 688.5/11$

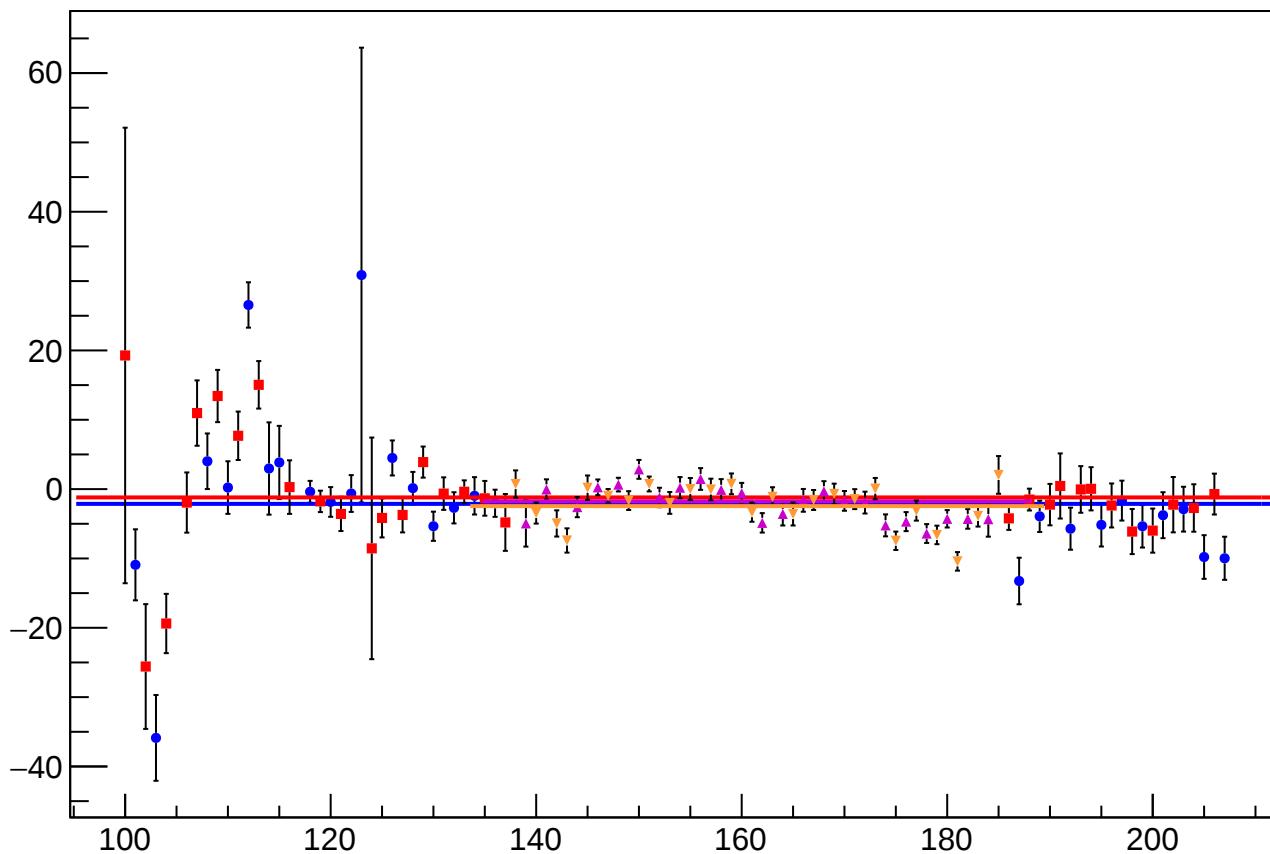
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 27.706 ± 0.334 $\chi^2/\text{NDF}: 2655.6/34$

All: 28.405 ± 0.233 $\chi^2/\text{NDF}: 6148.7/69$

- sign 29.062 ± 0.324 $\chi^2/\text{NDF}: 3484.7/34$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.129 ± 0.543 χ^2/NDF : 154.8/26

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.198 ± 0.501 χ^2/NDF : 95.2/30

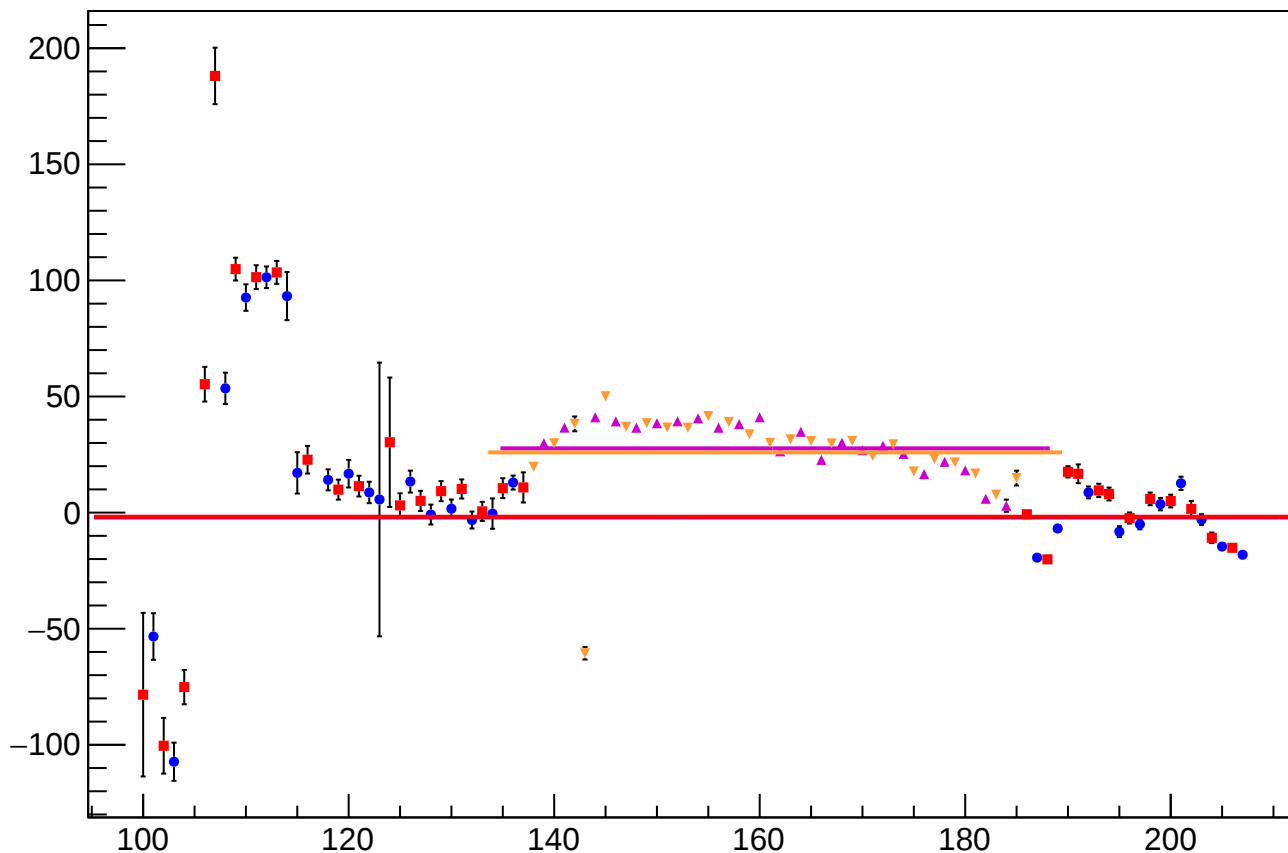
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.381 ± 0.257 χ^2/NDF : 261.0/51

All: -1.997 ± 0.182 χ^2/NDF : 429.1/105

- sign -1.609 ± 0.259 χ^2/NDF : 163.5/53

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -2.075 ± 0.596 χ^2/NDF : 1452.6/26

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -1.780 ± 0.487 χ^2/NDF : 2476.3/30

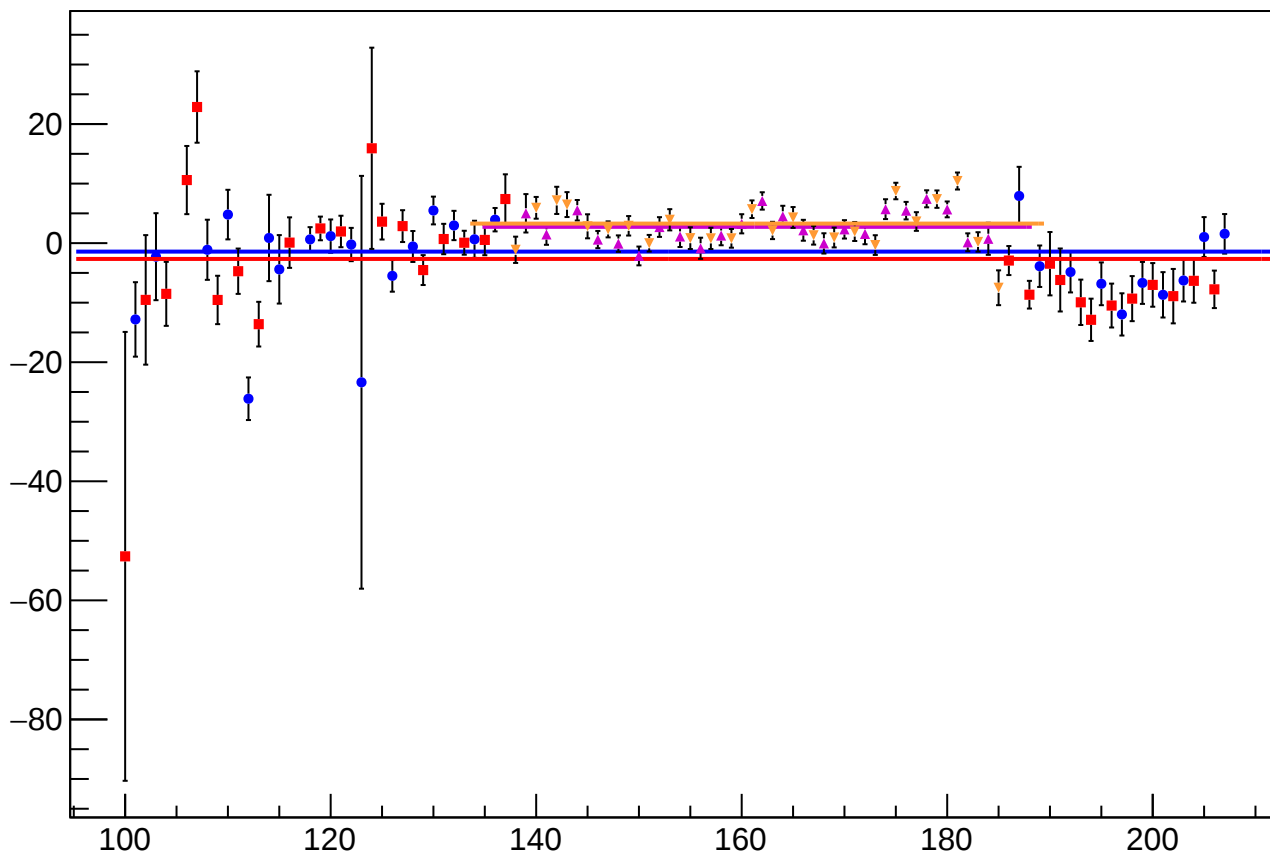
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 18.078 ± 0.316 χ^2/NDF : 4752.4/51

All: 17.298 ± 0.217 χ^2/NDF : 10325.0/105

- sign 16.601 ± 0.299 χ^2/NDF : 5561.0/53

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.423 ± 0.628 χ^2/NDF : 103.7/26

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.653 ± 0.599 χ^2/NDF : 103.6/30

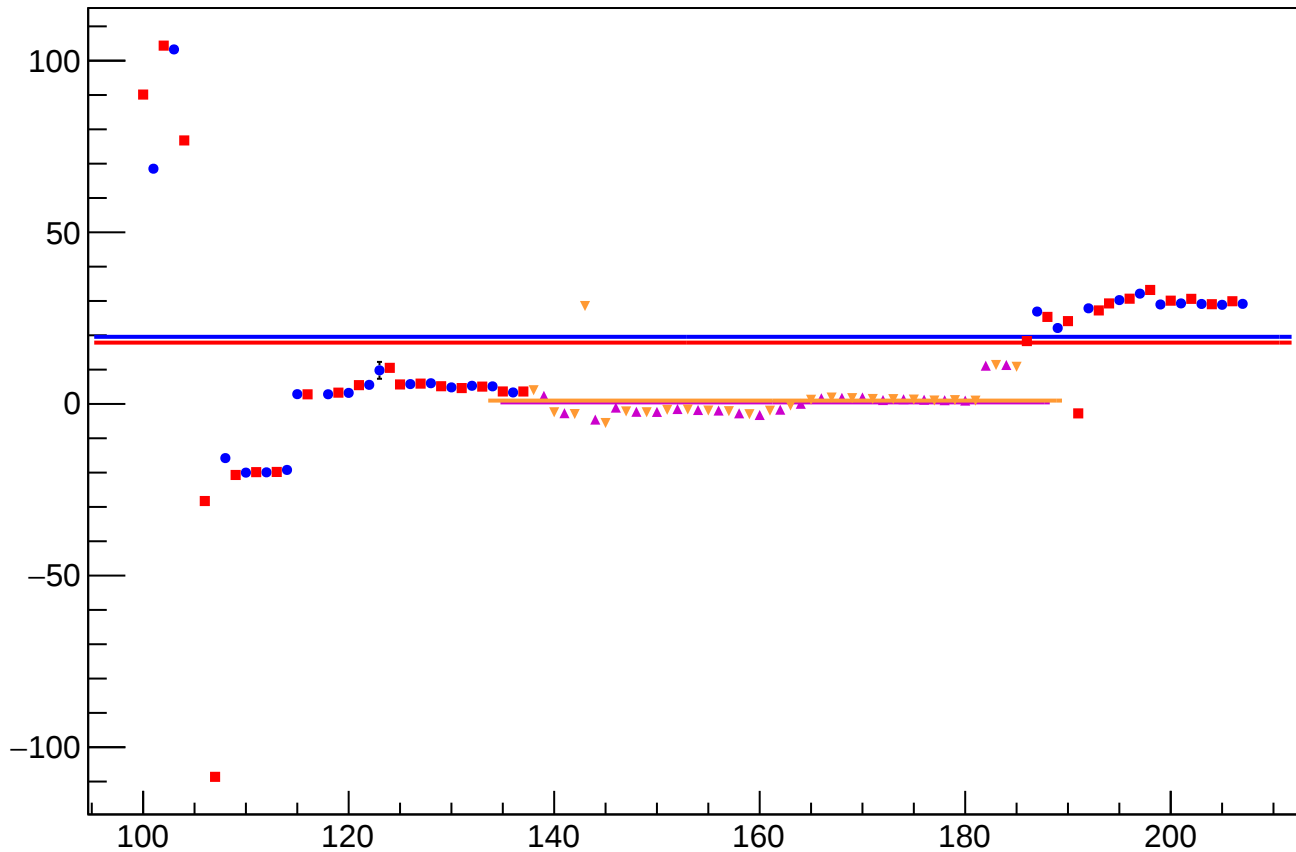
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.257 ± 0.293 χ^2/NDF : 250.0/51

All: 1.841 ± 0.208 χ^2/NDF : 483.3/105

- sign 1.416 ± 0.296 χ^2/NDF : 229.3/53

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 19.557 $\pm$ 0.030 χ^2 /NDF: 488134.6/26

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 17.867 $\pm$ 0.028 χ^2 /NDF: 722911.5/30

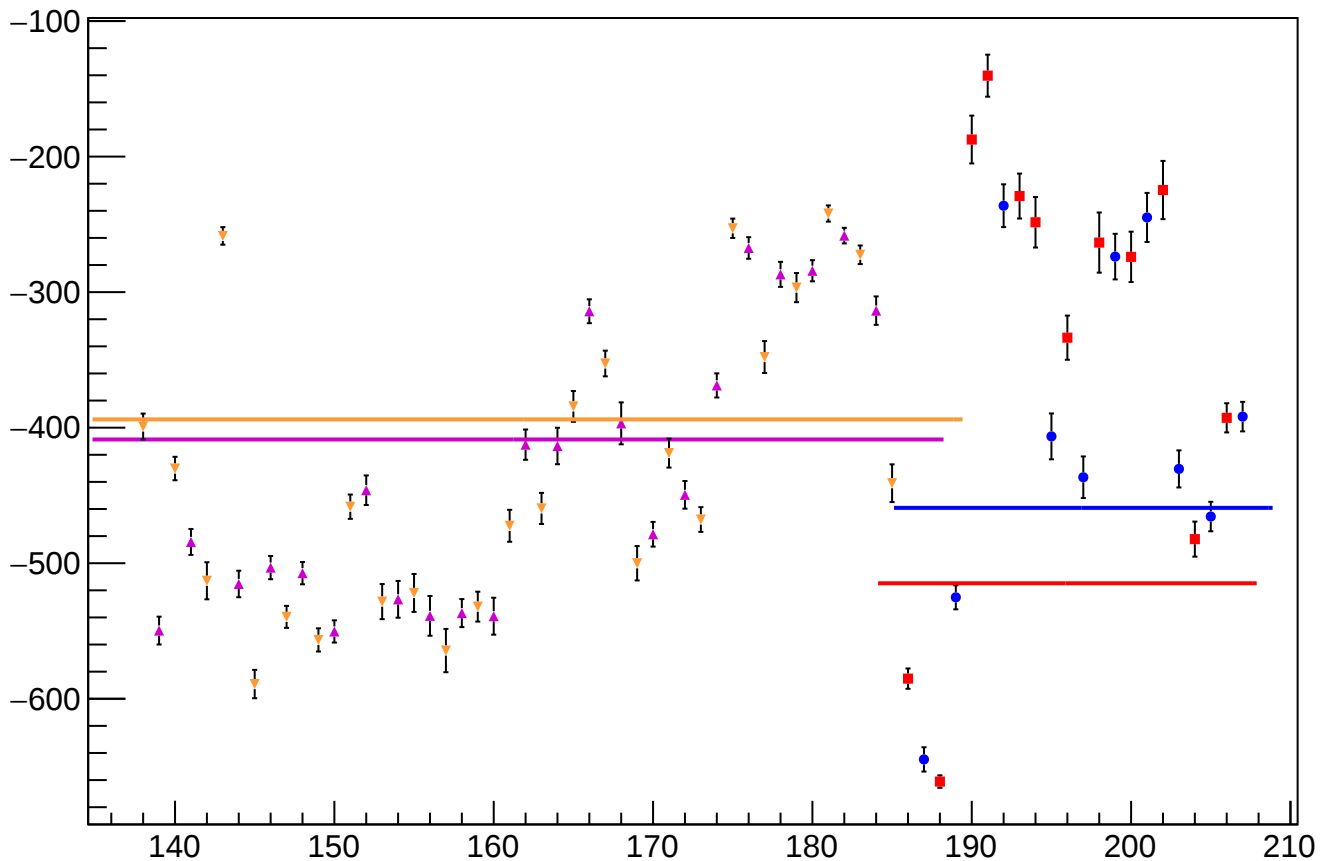
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 4.863 $\pm$ 0.014 χ^2 /NDF: 918174.8/51

All: 4.655 $\pm$ 0.010 χ^2 /NDF: 1984503.8/105

- sign 4.447 $\pm$ 0.014 χ^2 /NDF: 1065857.1/53

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -459.159 ± 3.900 χ^2/NDF : 999.6/9

Left Out: -393.871 ± 1.897 χ^2/NDF : 3772.8/24

Right Out: -514.796 ± 3.093 χ^2/NDF : 3268.8/11

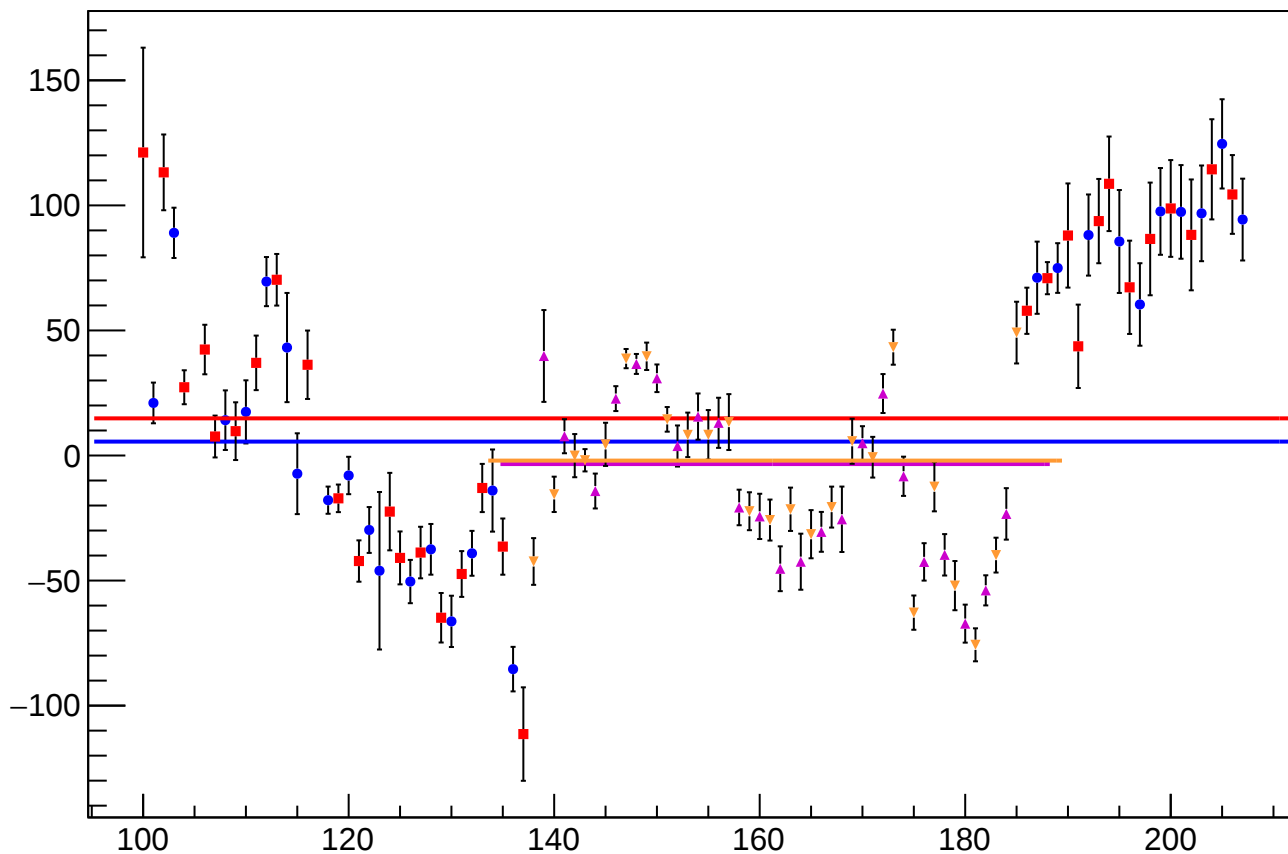
Left In: -408.696 ± 1.979 χ^2/NDF : 3062.9/22

+ sign -406.362 ± 1.706 χ^2/NDF : 4999.0/34

All: -423.321 ± 1.192 χ^2/NDF : 12358.8/69

- sign -439.514 ± 1.667 χ^2/NDF : 7166.6/34

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 5.562 ± 2.126 $\chi^2/\text{NDF}: 669.4/26$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 14.850 ± 1.962 $\chi^2/\text{NDF}: 688.5/30$

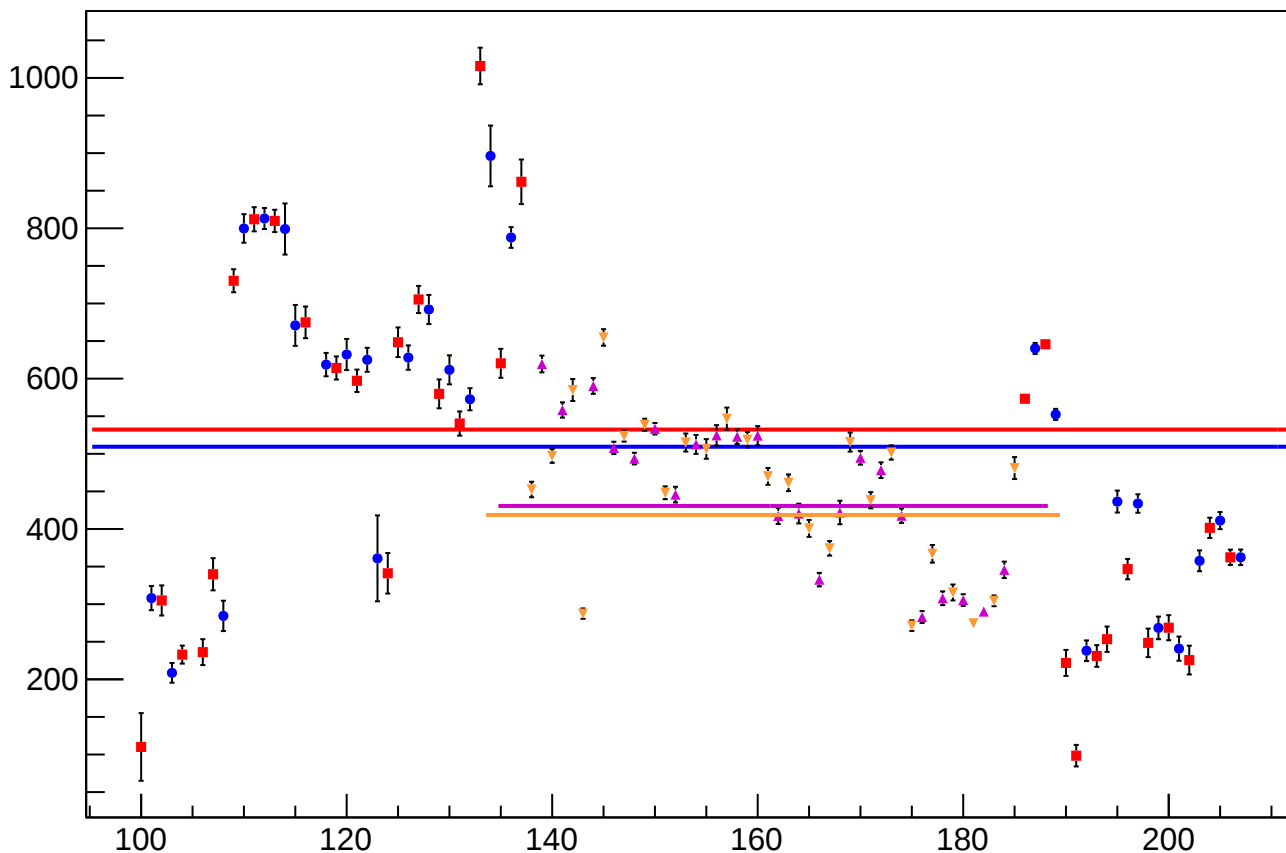
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign 0.316 ± 1.183 $\chi^2/\text{NDF}: 1242.0/51$

All: 1.851 ± 0.843 $\chi^2/\text{NDF}: 2439.0/105$

- sign 3.433 ± 1.202 $\chi^2/\text{NDF}: 1193.6/53$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 509.416 ± 2.707 χ^2/NDF : 4183.4/26

Left Out: 418.680 ± 1.905 χ^2/NDF : 3296.5/24

Right Out: 532.262 ± 2.205 χ^2/NDF : 7076.9/30

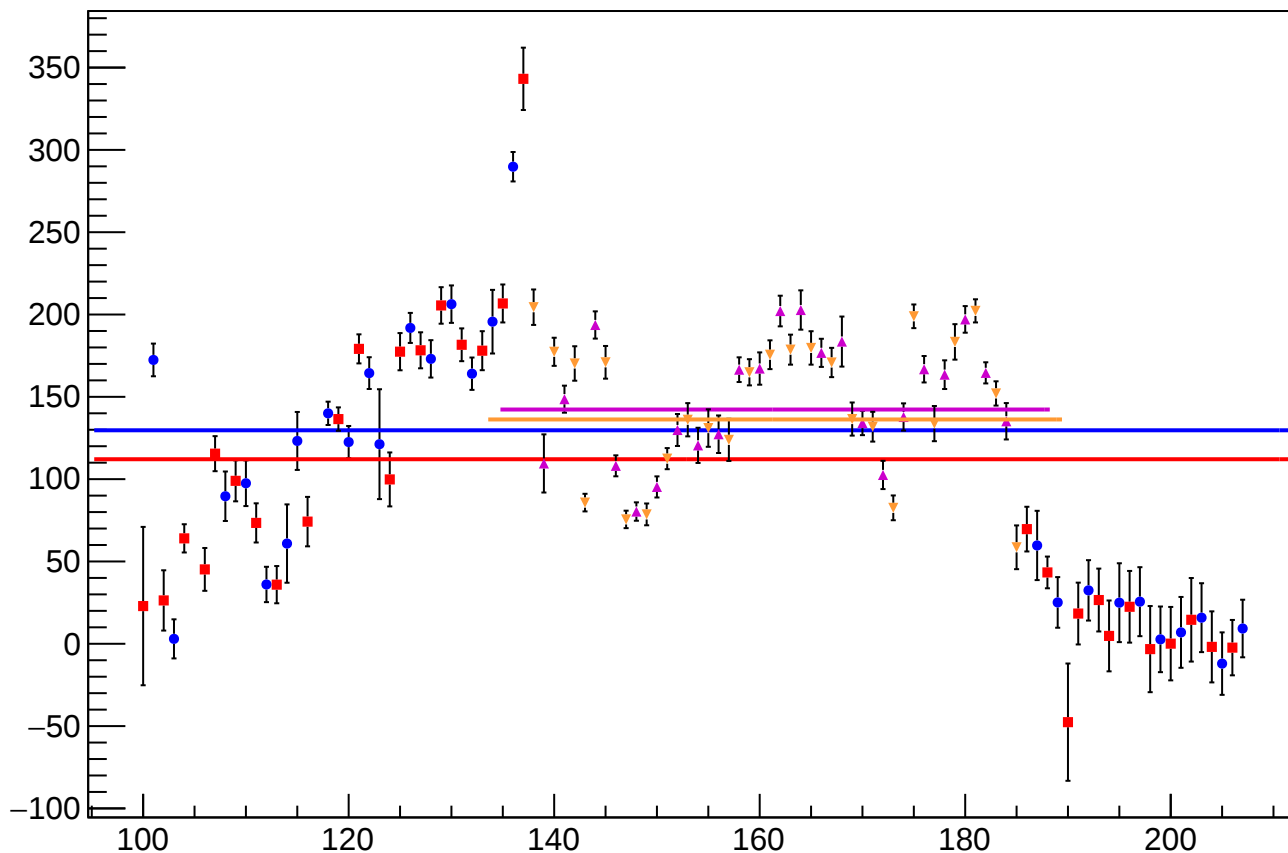
Left In: 430.640 ± 1.971 χ^2/NDF : 2850.6/22

+ sign 448.731 ± 1.558 χ^2/NDF : 8231.3/51

All: 463.043 ± 1.069 χ^2/NDF : 19499.3/105

- sign 475.775 ± 1.469 χ^2/NDF : 11108.4/53

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 129.681 $\pm$ 2.483 χ^2/NDF : 1031.0/26

Left Out: 136.258 $\pm$ 1.651 χ^2/NDF : 758.3/24

Right Out: 112.097 $\pm$ 2.336 χ^2/NDF : 955.0/30

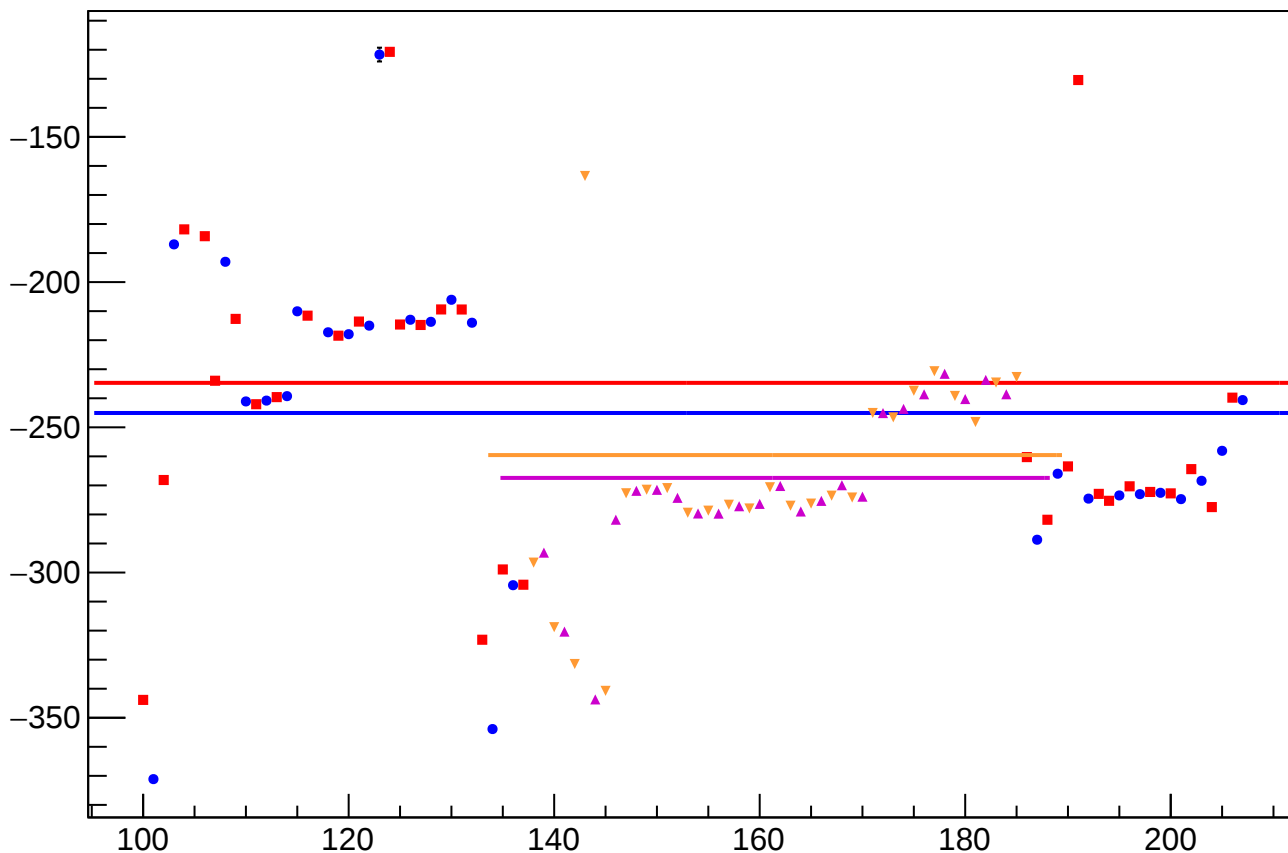
Left In: 142.296 $\pm$ 1.745 χ^2/NDF : 459.8/22

+ sign 134.243 $\pm$ 1.375 χ^2/NDF : 1794.2/51

All: 132.886 $\pm$ 0.980 χ^2/NDF : 3318.2/105

- sign 131.483 $\pm$ 1.398 χ^2/NDF : 1522.1/53

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -245.062 ± 0.124 $\chi^2/\text{NDF}: 163591.1/26$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -234.691 ± 0.114 $\chi^2/\text{NDF}: 174147.1/30$

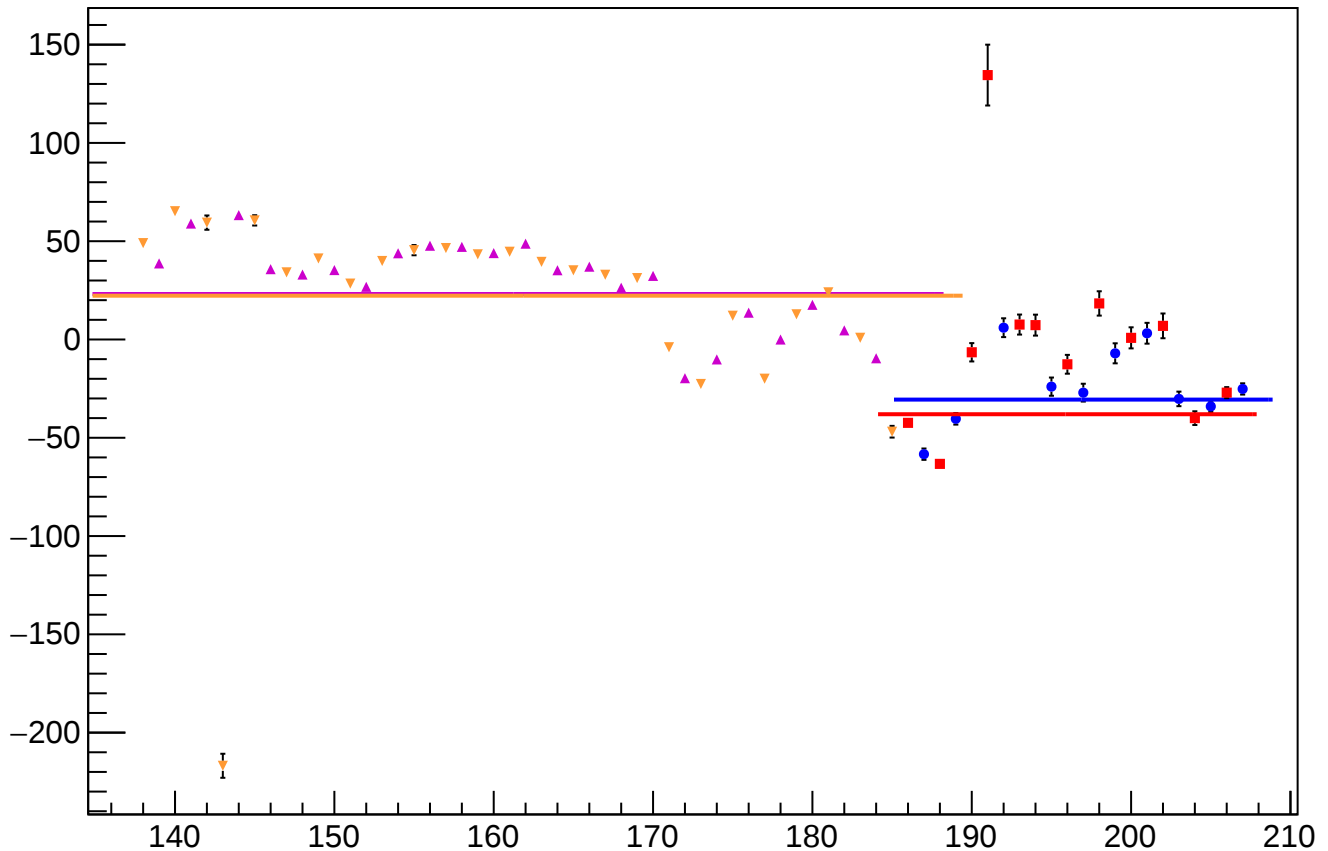
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -255.356 ± 0.067 $\chi^2/\text{NDF}: 411561.0/51$

All: -255.854 ± 0.047 $\chi^2/\text{NDF}: 738153.1/105$

- sign -256.350 ± 0.066 $\chi^2/\text{NDF}: 326480.4/53$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -30.580 ± 1.143 χ^2/NDF : 231.4/9

Left Out: 22.279 ± 0.399 χ^2/NDF : 5171.0/24

Right Out: -38.024 ± 0.913 χ^2/NDF : 821.0/11

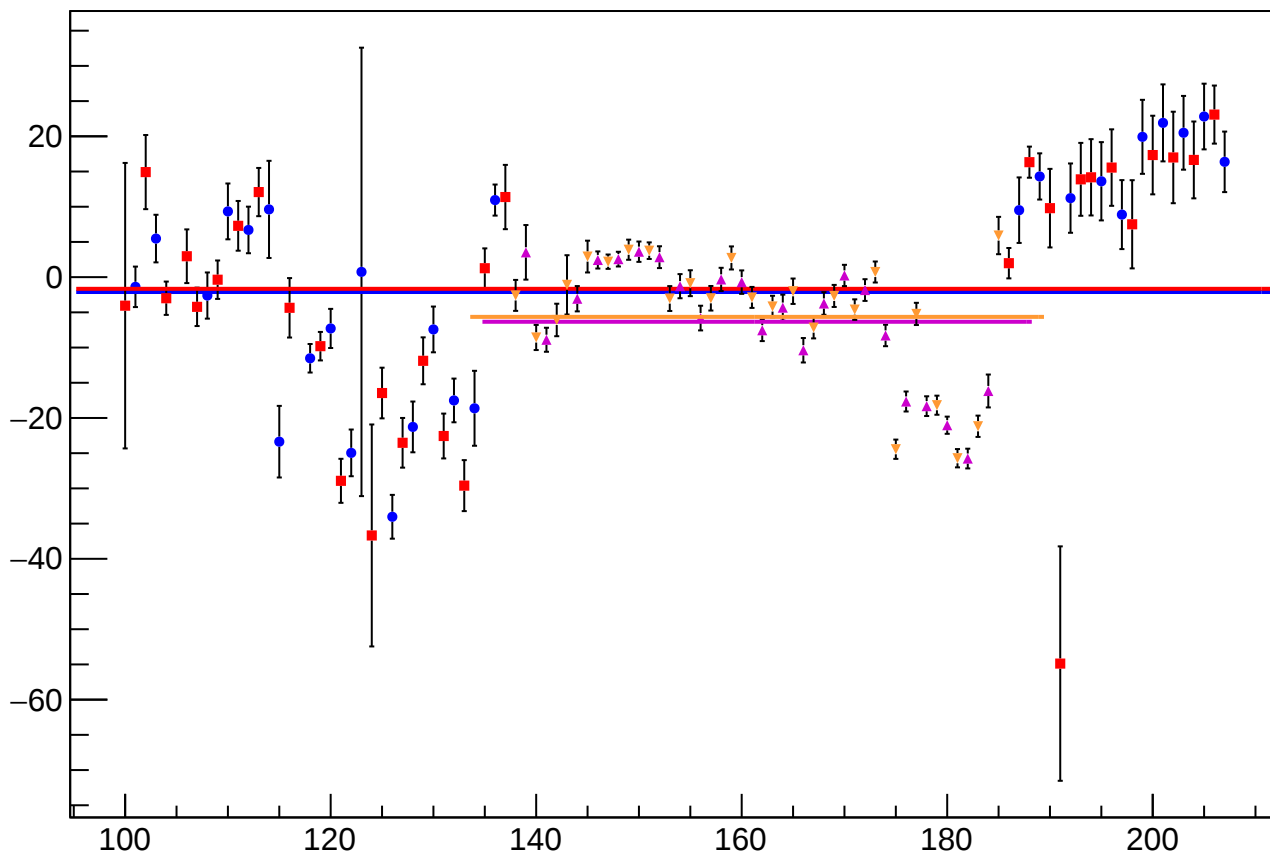
Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 16.546 ± 0.377 χ^2/NDF : 7308.2/34

All: 14.843 ± 0.263 χ^2/NDF : 14676.7/69

- sign -13.220 ± 0.367 χ^2/NDF : 7328.6/34

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.111 ± 0.696 $\chi^2/\text{NDF}: 473.2/26$

Left Out: -5.642 ± 0.316 $\chi^2/\text{NDF}: 893.7/24$

Right Out: -1.658 ± 0.638 $\chi^2/\text{NDF}: 490.1/30$

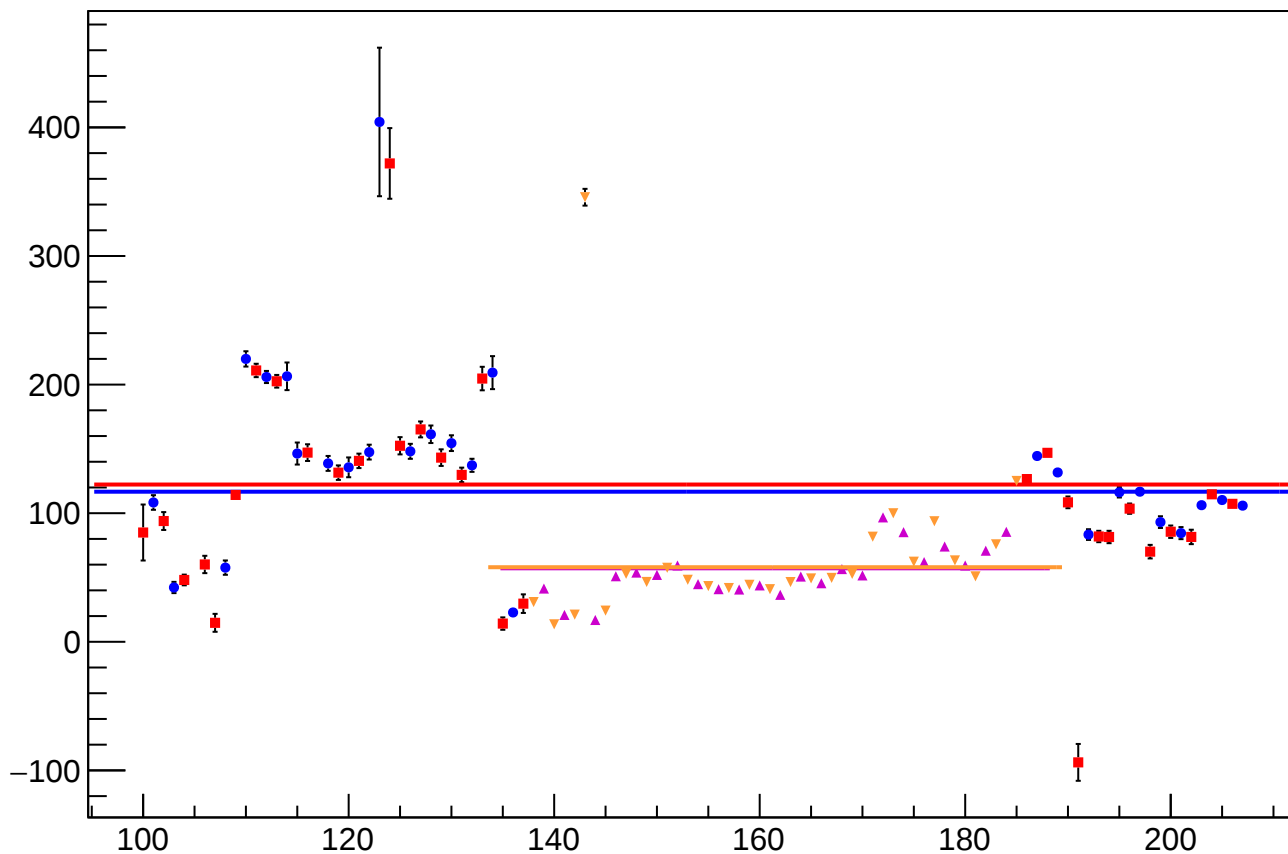
Left In: -6.337 ± 0.321 $\chi^2/\text{NDF}: 783.0/22$

+ sign -5.041 ± 0.287 $\chi^2/\text{NDF}: 1388.2/51$

All: -5.216 ± 0.203 $\chi^2/\text{NDF}: 2705.0/105$

- sign -5.391 ± 0.287 $\chi^2/\text{NDF}: 1316.0/53$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 116.711 $\pm$ 0.833 χ^2 /NDF: 2498.1/26

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 122.291 $\pm$ 0.672 χ^2 /NDF: 3211.9/30

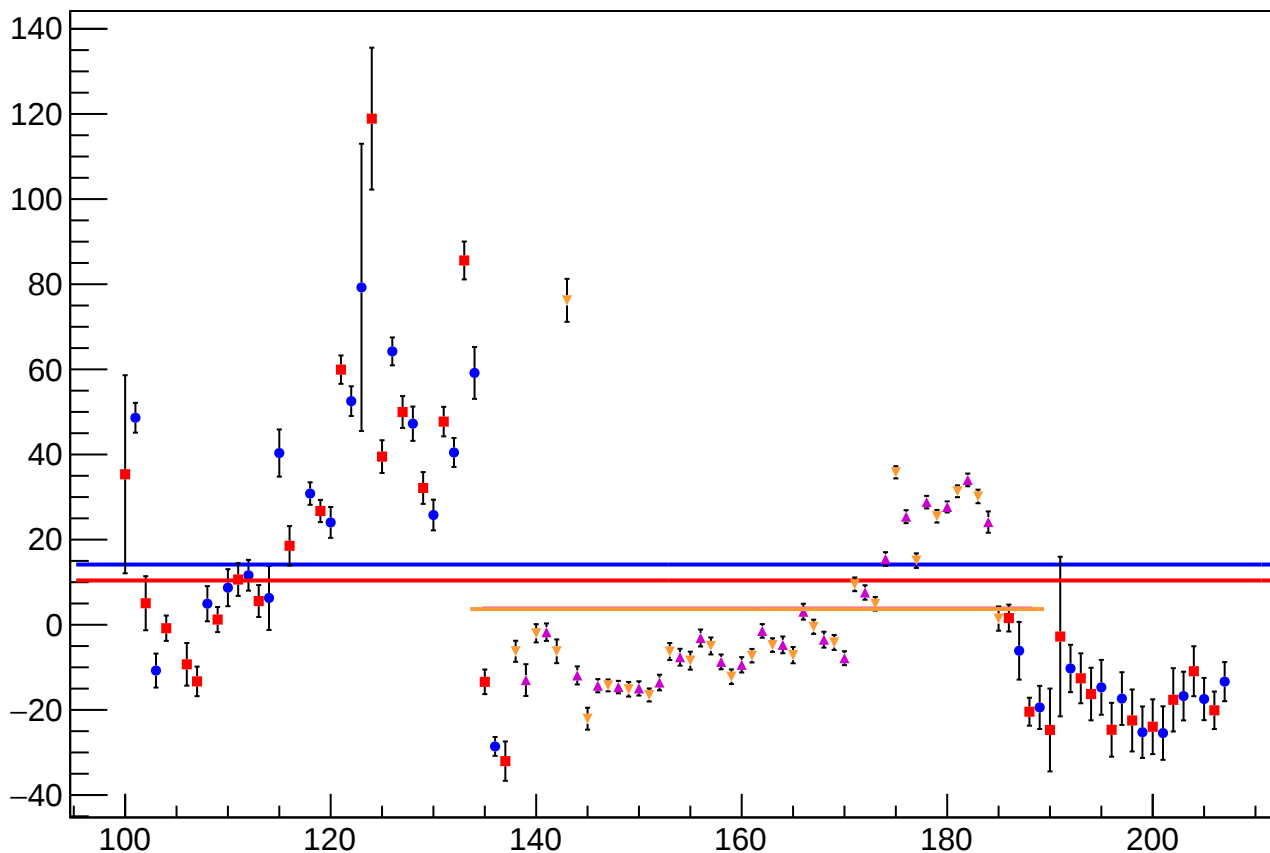
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 68.898 $\pm$ 0.359 χ^2 /NDF: 11178.7/51

All: 71.649 $\pm$ 0.248 χ^2 /NDF: 23255.0/105

- sign 74.165 $\pm$ 0.343 χ^2 /NDF: 11963.9/53

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 14.148 $\pm$ 0.804 χ^2 /NDF: 1442.6/26

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF:2541.7/24

Right Out: 10.403 $\pm$ 0.758 χ^2 /NDF: 1449.2/30

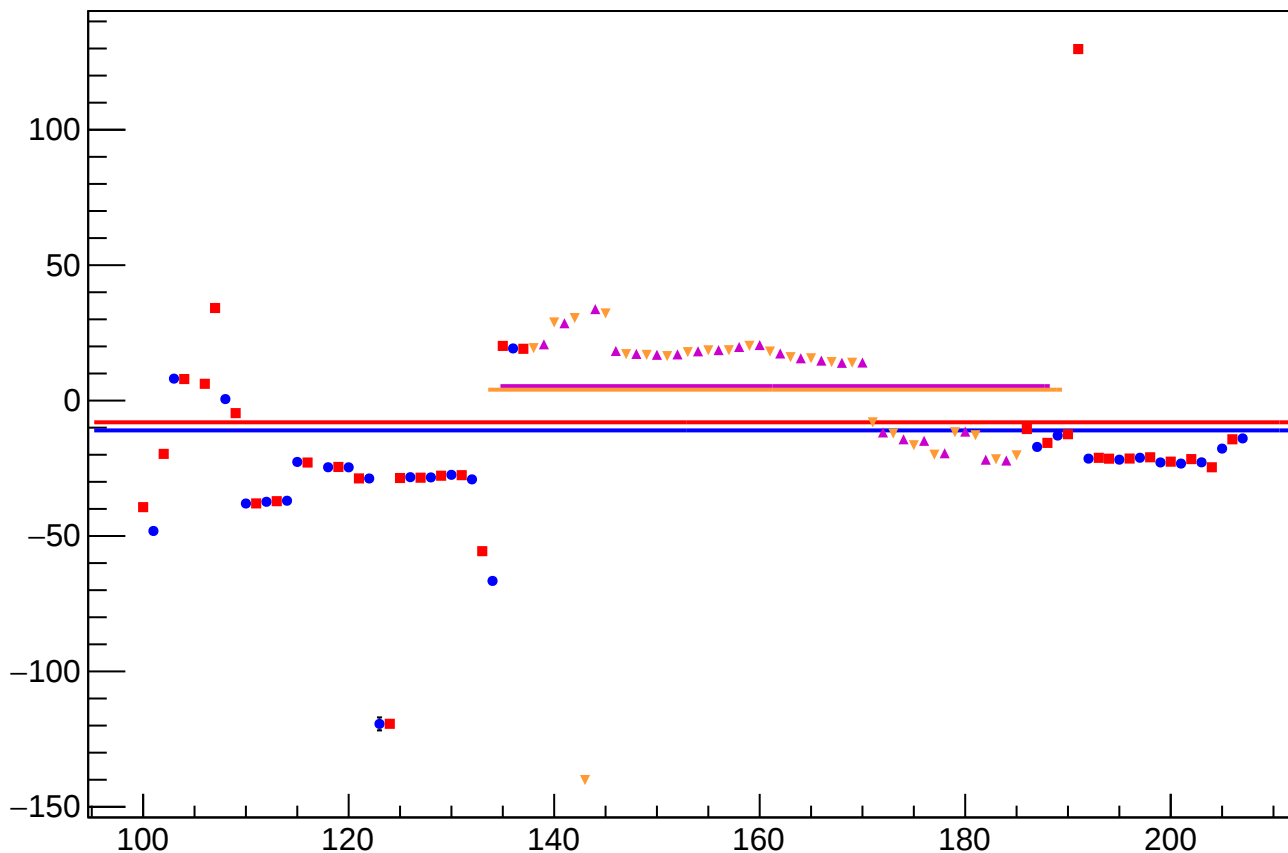
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF:2198.8/22

+ sign 5.407 $\pm$ 0.326 χ^2 /NDF: 4125.9/51

All: 5.211 $\pm$ 0.231 χ^2 /NDF: 7836.8/105

- sign 5.014 $\pm$ 0.326 χ^2 /NDF: 3710.1/53

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -11.009 ± 0.037 χ^2/NDF : 297156.0/26

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -8.017 ± 0.036 χ^2/NDF : 387185.3/30

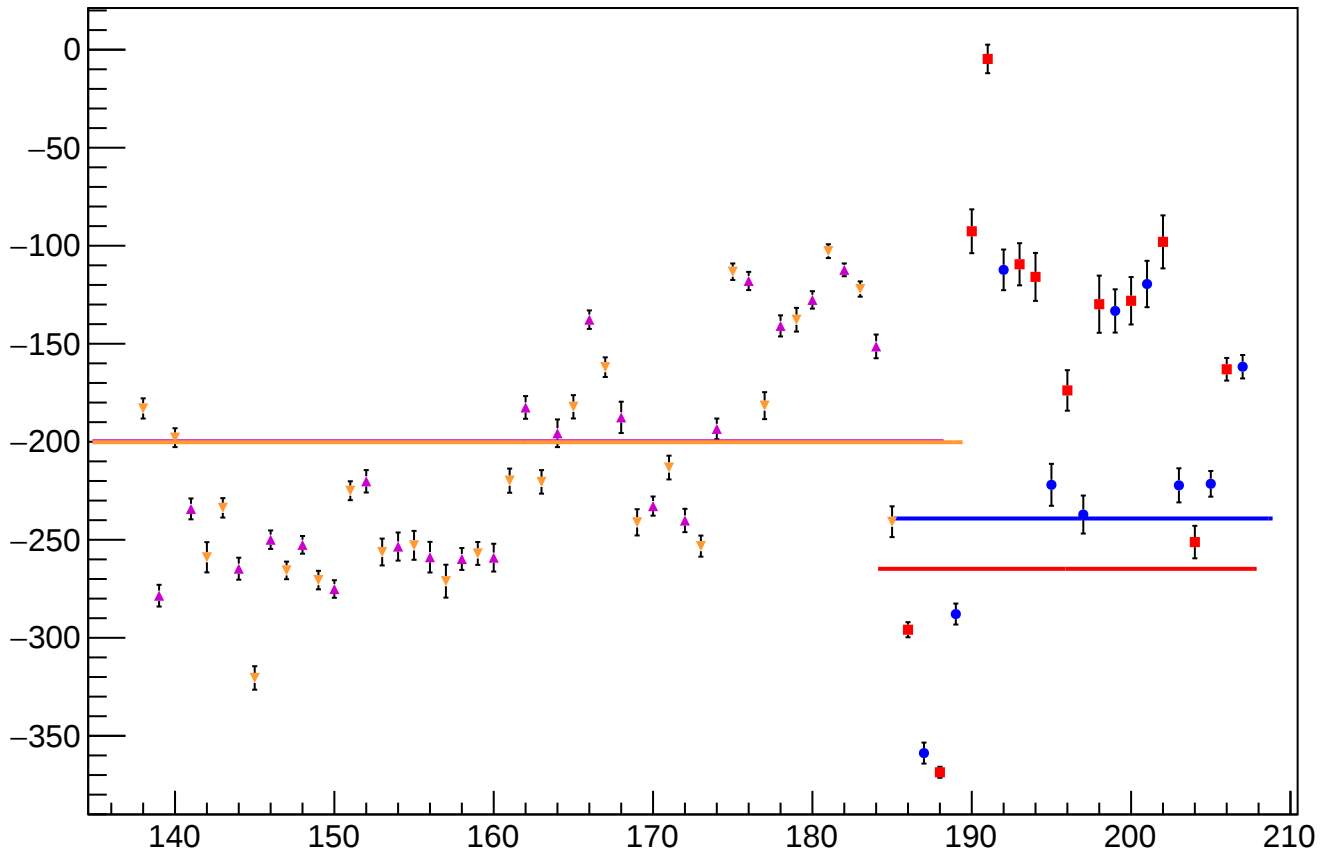
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.621 ± 0.015 χ^2/NDF : 1815332.7/51

All: 2.345 ± 0.011 χ^2/NDF : 3397303.0/105

- sign 3.066 ± 0.015 χ^2/NDF : 1577314.0/53

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -239.135 ± 2.368 $\chi^2/\text{NDF}: 1107.4/9$

Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$

Right Out: -264.809 ± 1.805 $\chi^2/\text{NDF}: 4054.9/11$

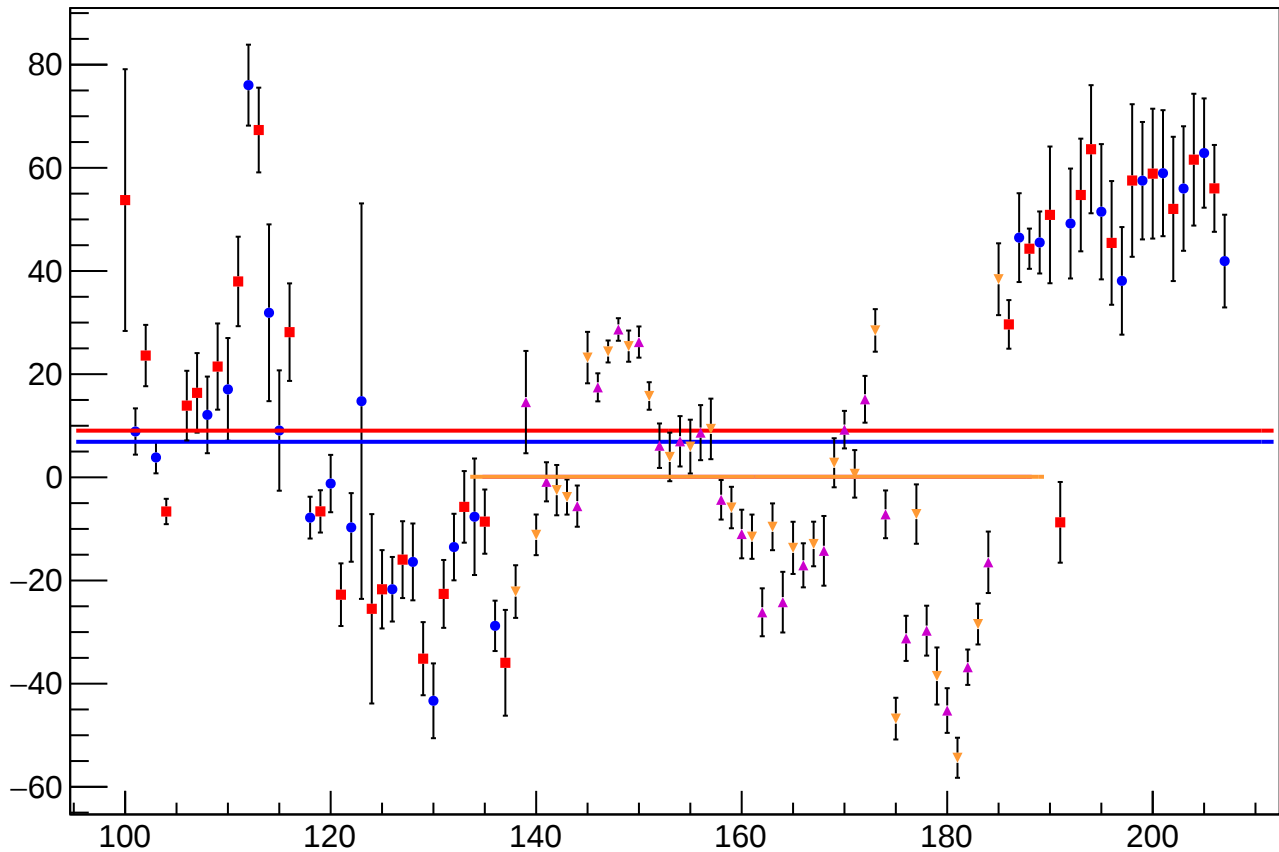
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -206.904 ± 0.981 $\chi^2/\text{NDF}: 4556.0/34$

All: -212.336 ± 0.678 $\chi^2/\text{NDF}: 12586.3/69$

- sign -217.299 ± 0.938 $\chi^2/\text{NDF}: 7971.7/34$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.890 ± 1.324 $\chi^2/\text{NDF}: 444.1/26$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 9.051 ± 1.193 $\chi^2/\text{NDF}: 532.0/30$

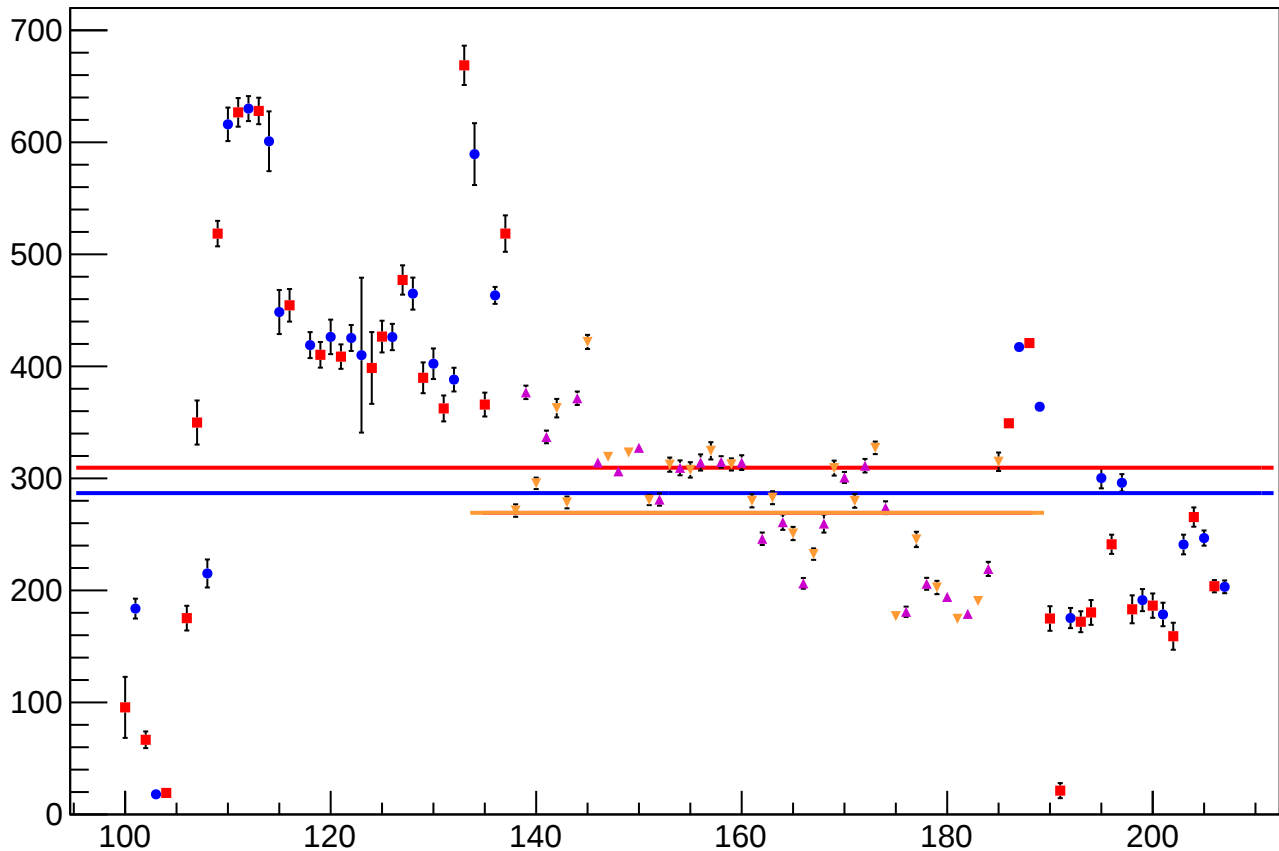
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 1.947 ± 0.689 $\chi^2/\text{NDF}: 1294.5/51$

All: 2.504 ± 0.486 $\chi^2/\text{NDF}: 2580.9/105$

- sign 3.055 ± 0.686 $\chi^2/\text{NDF}: 1285.2/53$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 286.853 ± 1.603 $\chi^2/\text{NDF}: 9506.0/26$

Left Out: 269.278 ± 1.078 $\chi^2/\text{NDF}: 3146.7/24$

Right Out: 309.531 ± 1.292 $\chi^2/\text{NDF}: 14360.1/30$

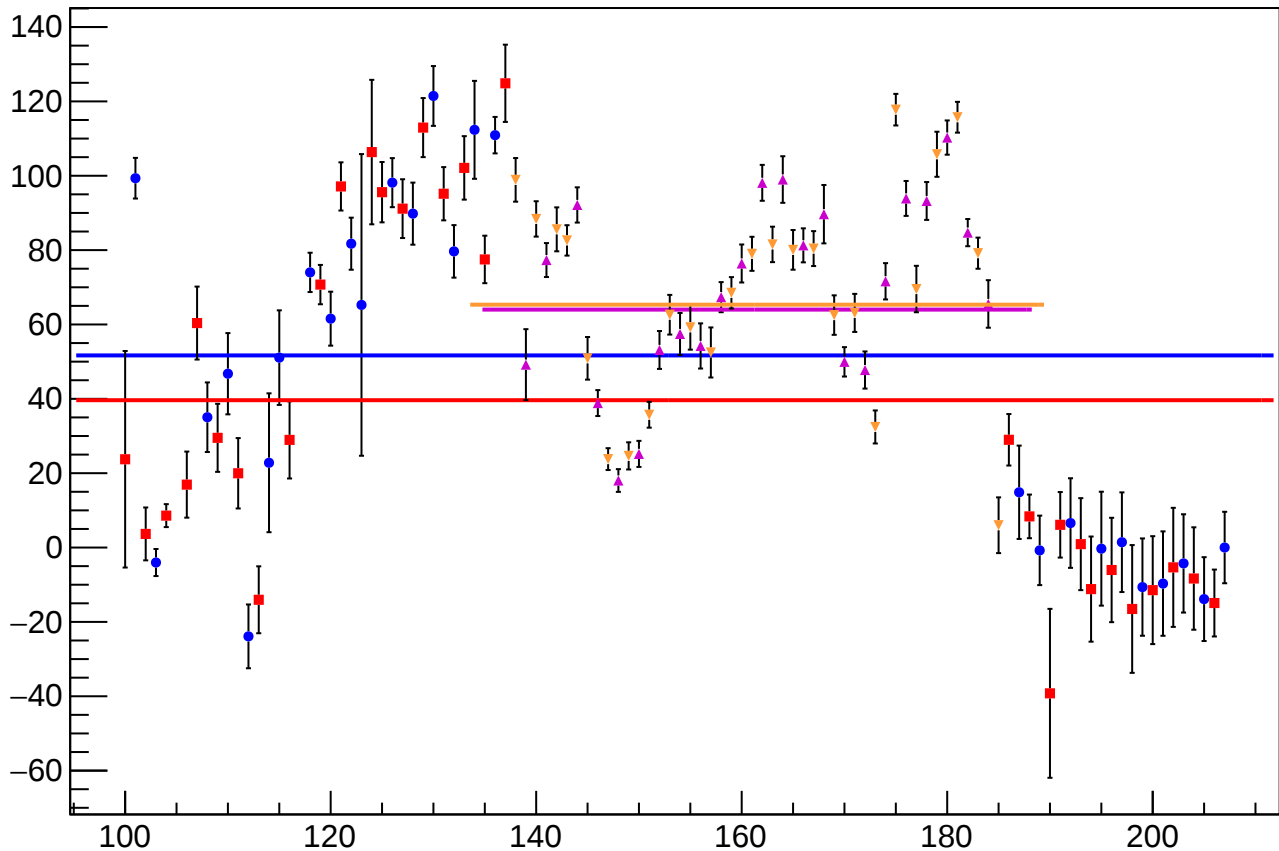
Left In: 269.191 ± 1.091 $\chi^2/\text{NDF}: 3170.2/22$

+ sign 274.749 ± 0.894 $\chi^2/\text{NDF}: 12735.4/51$

All: 280.760 ± 0.610 $\chi^2/\text{NDF}: 30919.6/105$

- sign 285.979 ± 0.833 $\chi^2/\text{NDF}: 18099.7/53$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 51.676 $\pm$ 1.548 χ^2 /NDF: 962.7/26

Left Out: 65.323 $\pm$ 0.935 χ^2 /NDF:1007.1/24

Right Out: 39.633 $\pm$ 1.442 χ^2 /NDF: 867.2/30

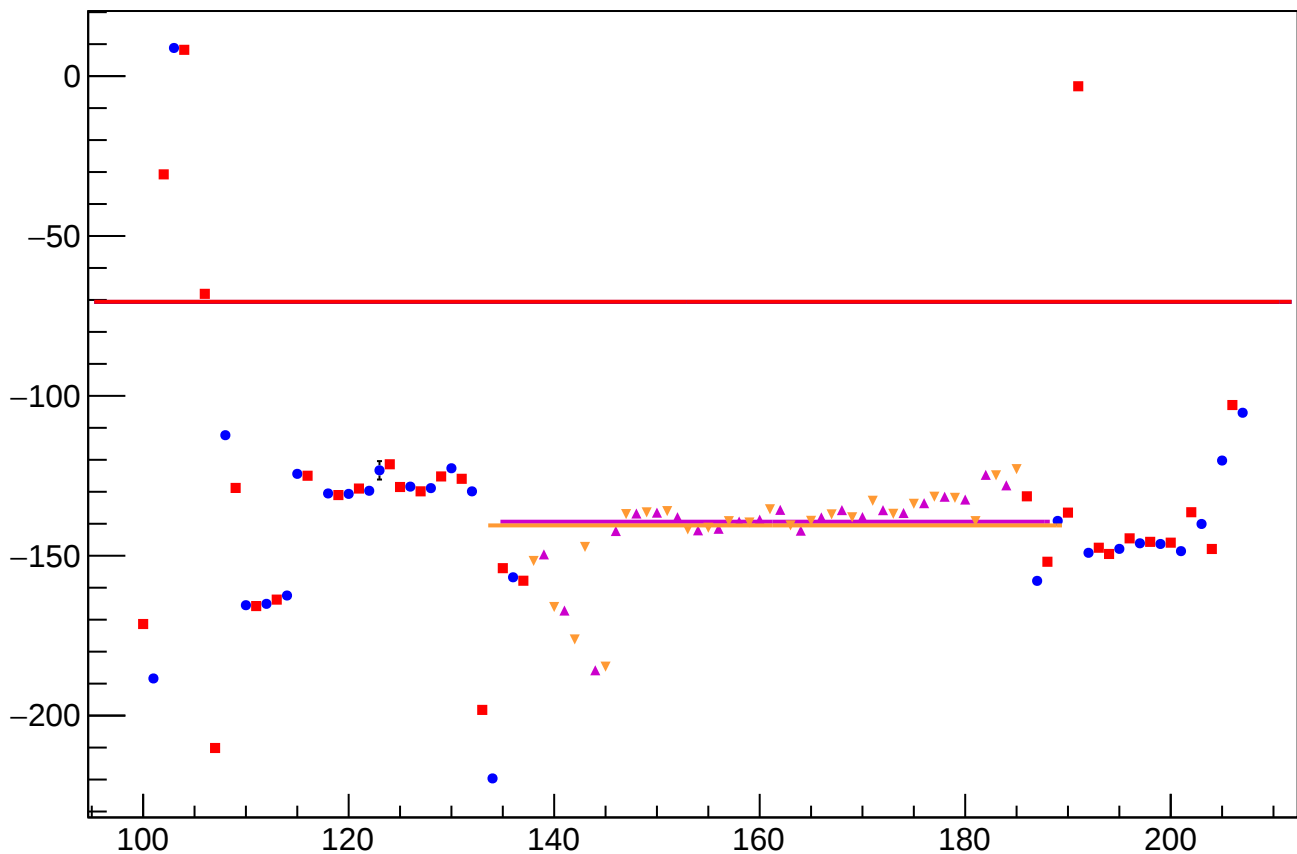
Left In: 63.999 $\pm$ 0.963 χ^2 /NDF:799.5/22

+ sign 61.678 $\pm$ 0.800 χ^2 /NDF: 2026.7/51

All: 59.083 $\pm$ 0.566 χ^2 /NDF: 3911.9/105

- sign 56.485 $\pm$ 0.801 χ^2 /NDF: 1864.2/53

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -70.624 ± 0.063 $\chi^2/\text{NDF}: 1536312.5/26$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -70.573 ± 0.061 $\chi^2/\text{NDF}: 1385751.8/30$

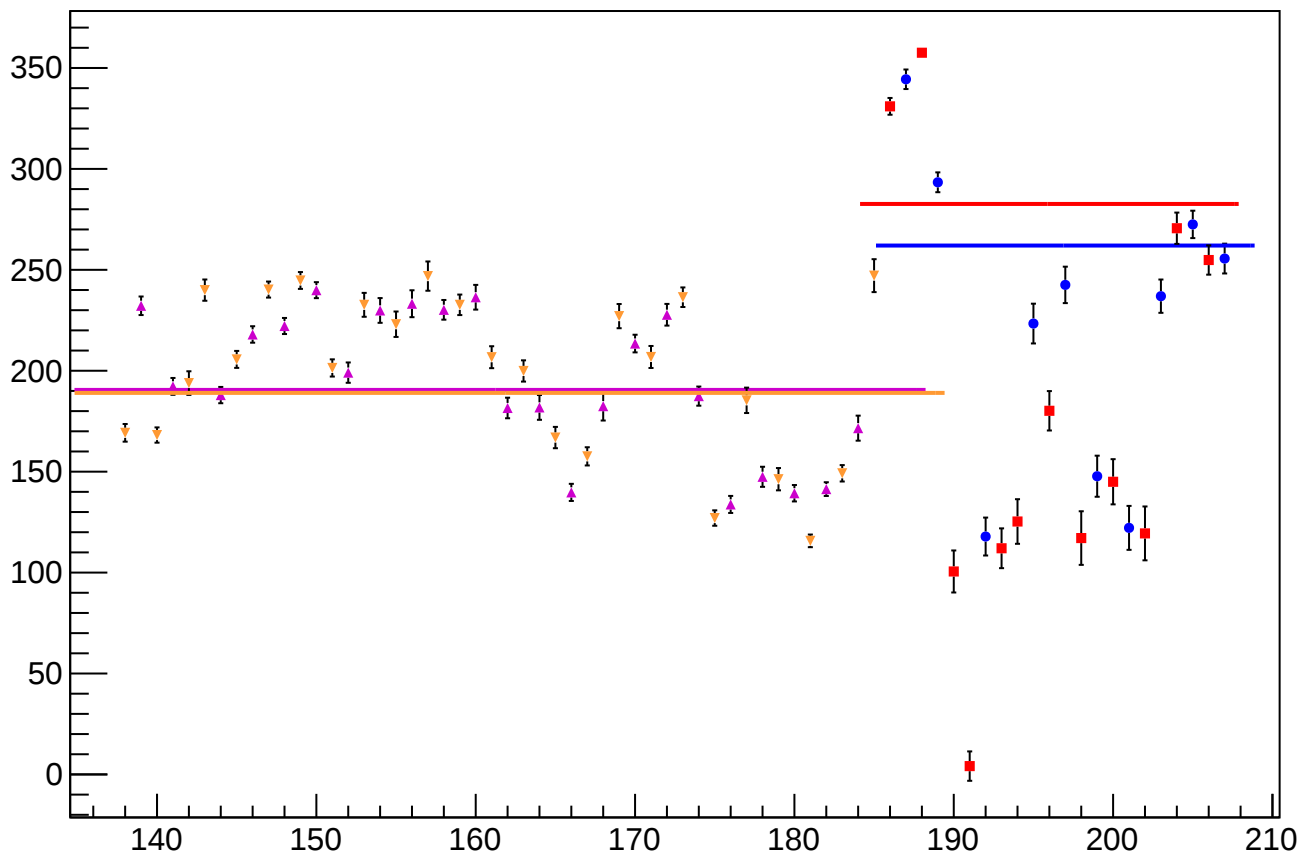
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -117.126 ± 0.036 $\chi^2/\text{NDF}: 2437498.7/51$

All: -116.081 ± 0.026 $\chi^2/\text{NDF}: 4712934.2/10$

- sign -115.045 ± 0.036 $\chi^2/\text{NDF}: 2273789.4/53$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 262.029 ± 2.289 $\chi^2/\text{NDF}: 889.5/9$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 282.637 ± 1.743 $\chi^2/\text{NDF}: 3885.5/11$

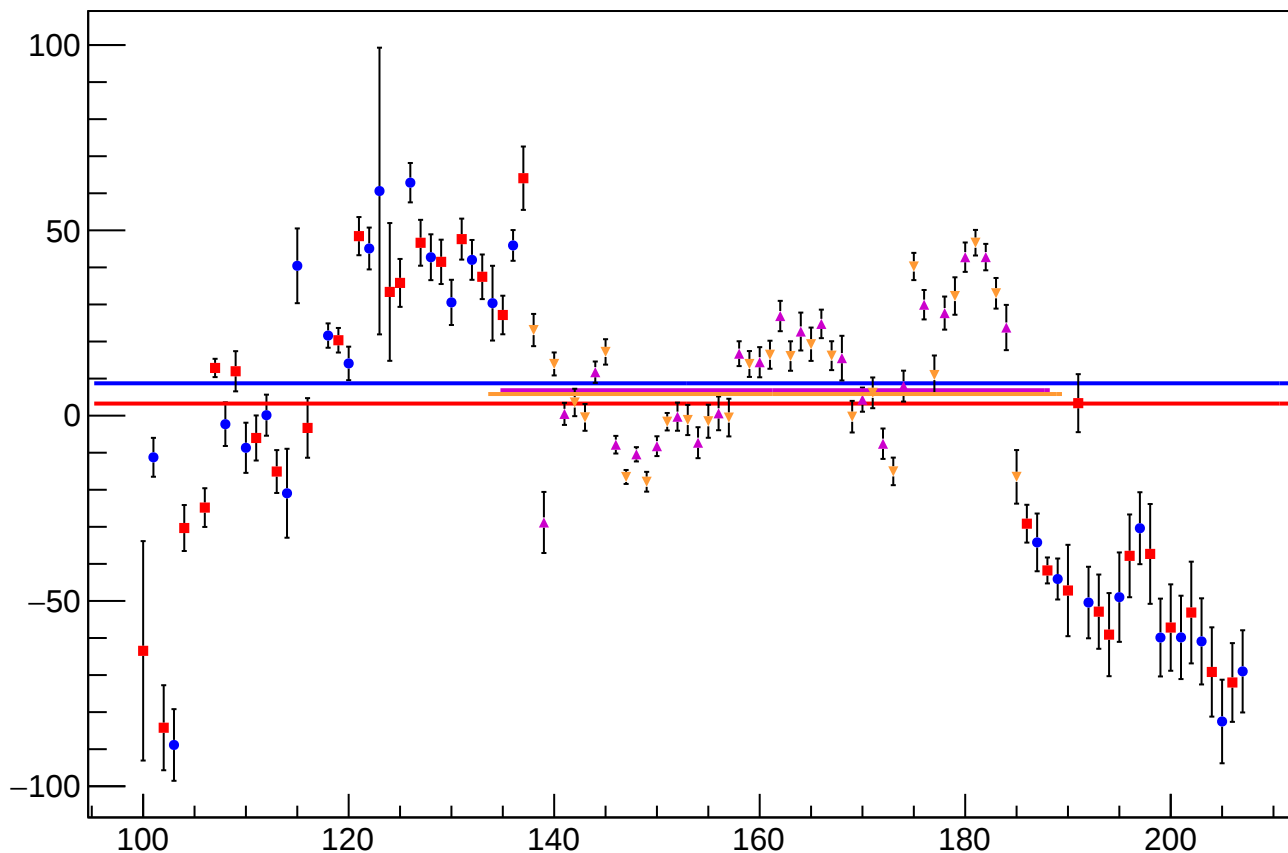
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 199.869 ± 0.882 $\chi^2/\text{NDF}: 3736.4/34$

All: 206.396 ± 0.612 $\chi^2/\text{NDF}: 11268.6/69$

- sign 212.470 ± 0.851 $\chi^2/\text{NDF}: 7426.5/34$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 8.727 ± 1.260 χ^2/NDF : 903.9/26

Left Out: 5.834 ± 0.712 χ^2/NDF : 652.2/24

Right Out: 3.258 ± 1.075 χ^2/NDF : 979.6/30

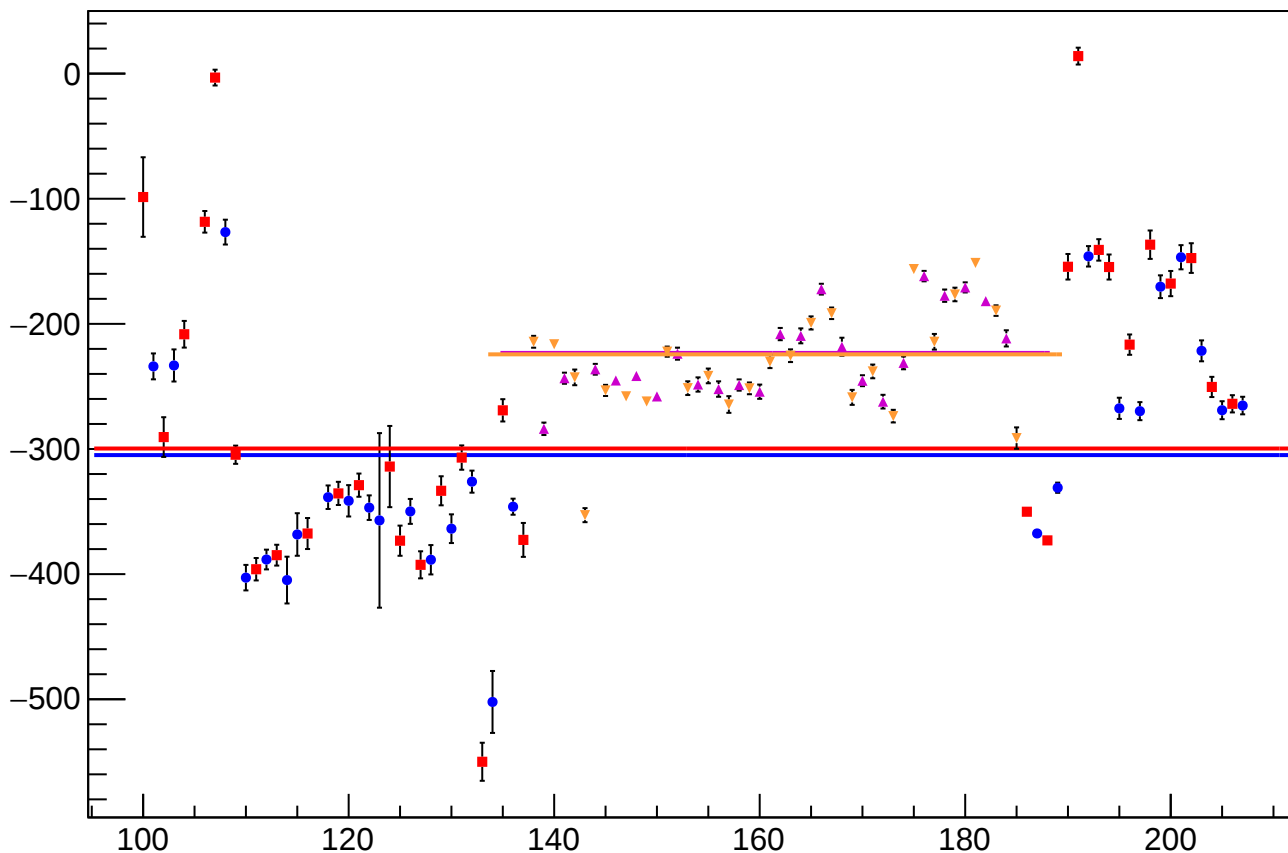
Left In: 6.862 ± 0.736 χ^2/NDF : 522.7/22

+ sign 6.535 ± 0.620 χ^2/NDF : 1560.1/51

All: 6.114 ± 0.434 χ^2/NDF : 3071.0/105

- sign 5.711 ± 0.607 χ^2/NDF : 1510.0/53

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -304.872 ± 1.585 $\chi^2/\text{NDF}: 2248.3/26$

Left Out: -224.364 ± 0.956 $\chi^2/\text{NDF}: 2103.2/24$

Right Out: -299.618 ± 1.236 $\chi^2/\text{NDF}: 8658.8/30$

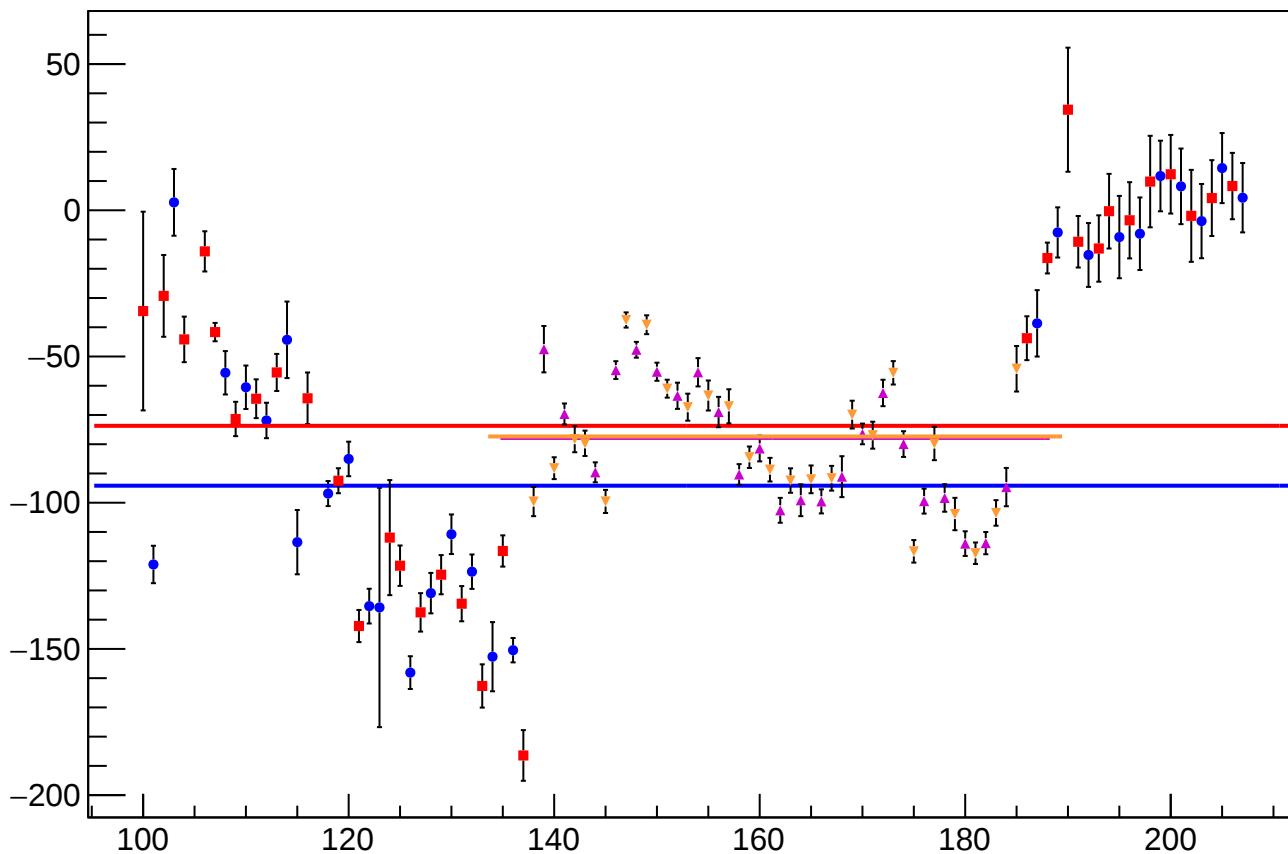
Left In: -223.223 ± 0.969 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -245.841 ± 0.819 $\chi^2/\text{NDF}: 6243.4/51$

All: -249.299 ± 0.558 $\chi^2/\text{NDF}: 18569.9/105$

- sign -252.301 ± 0.763 $\chi^2/\text{NDF}: 12293.1/53$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -94.184 ± 1.467 $\chi^2/\text{NDF}: 1221.4/26$

Left Out: -77.343 ± 0.827 $\chi^2/\text{NDF}: 846.2/24$

Right Out: -73.709 ± 1.289 $\chi^2/\text{NDF}: 1555.9/30$

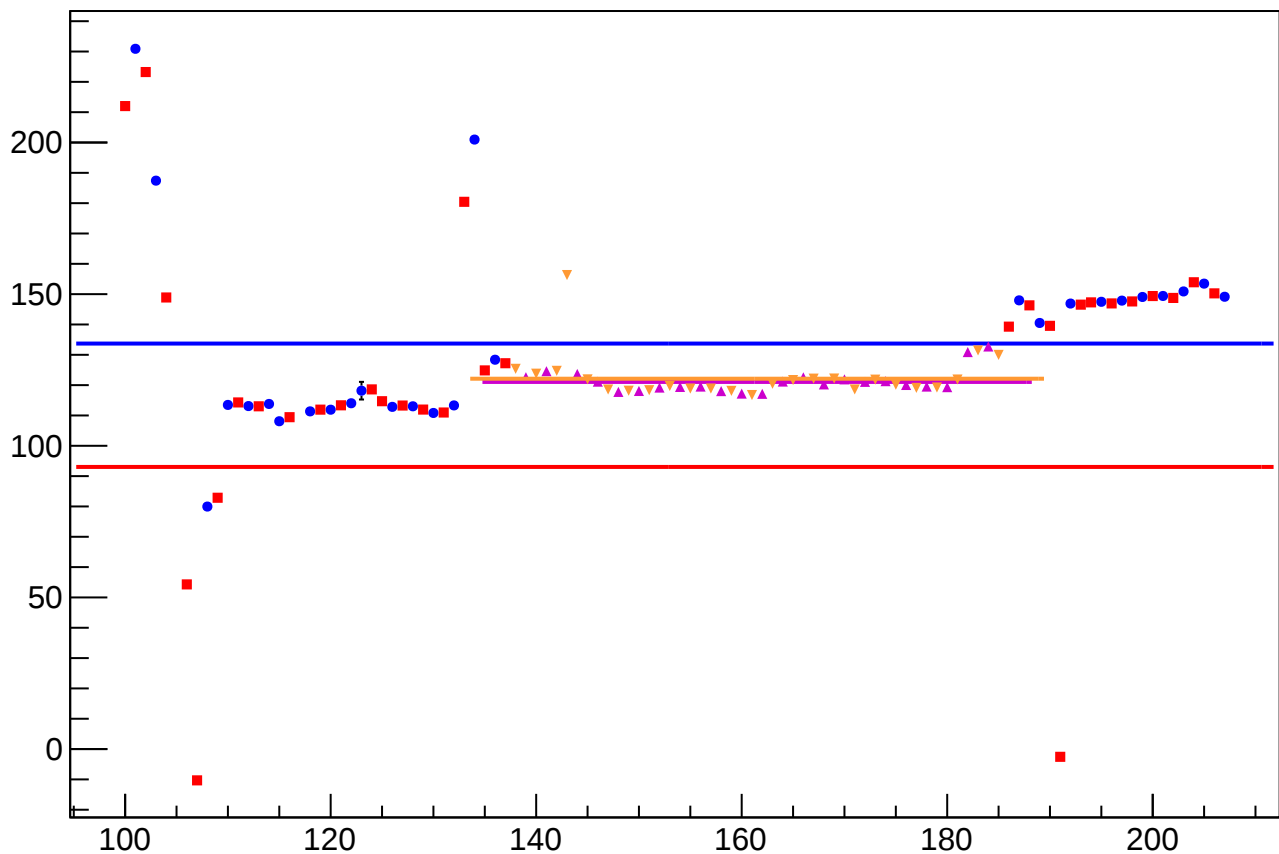
Left In: -77.838 ± 0.849 $\chi^2/\text{NDF}: 622.8/22$

+ sign -81.402 ± 0.720 $\chi^2/\text{NDF}: 2167.6/51$

All: -78.958 ± 0.505 $\chi^2/\text{NDF}: 4376.2/105$

- sign -76.590 ± 0.709 $\chi^2/\text{NDF}: 2185.8/53$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 133.708 $\pm$ 0.075 χ^2 /NDF: 204572.9/26

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF: 30480.7/24

Right Out: 93.030 $\pm$ 0.062 χ^2 /NDF: 1129929.8/30

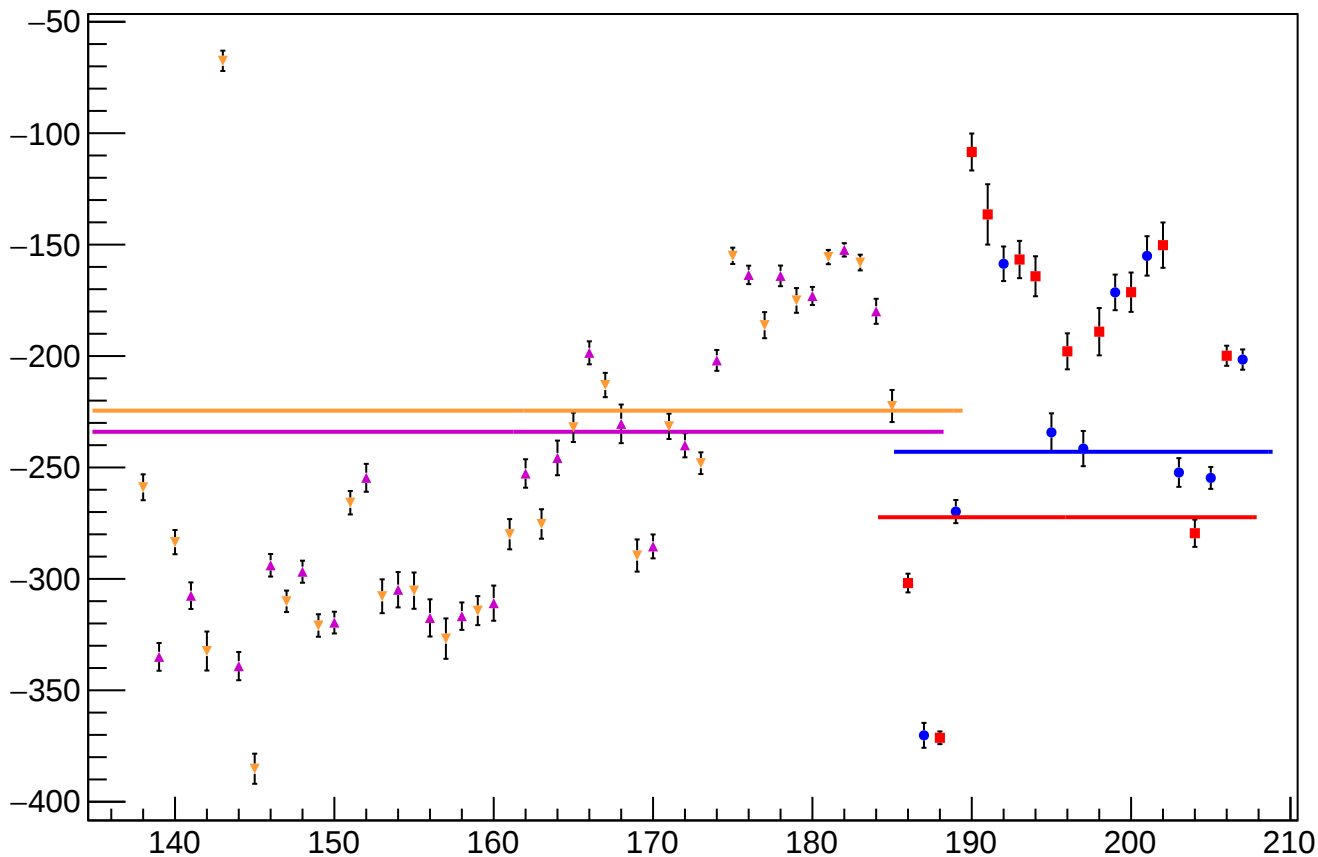
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF: 7931.6/22

+ sign 124.651 $\pm$ 0.035 χ^2 /NDF: 253947.3/51

All: 118.579 $\pm$ 0.024 χ^2 /NDF: 1593931.2/105

- sign 112.962 $\pm$ 0.034 χ^2 /NDF: 1281509.7/53

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -242.962 ± 1.970 χ^2/NDF : 934.4/9

Left Out: -224.501 ± 1.079 χ^2/NDF : 4870.6/24

Right Out: -272.322 ± 1.694 χ^2/NDF : 2761.4/11

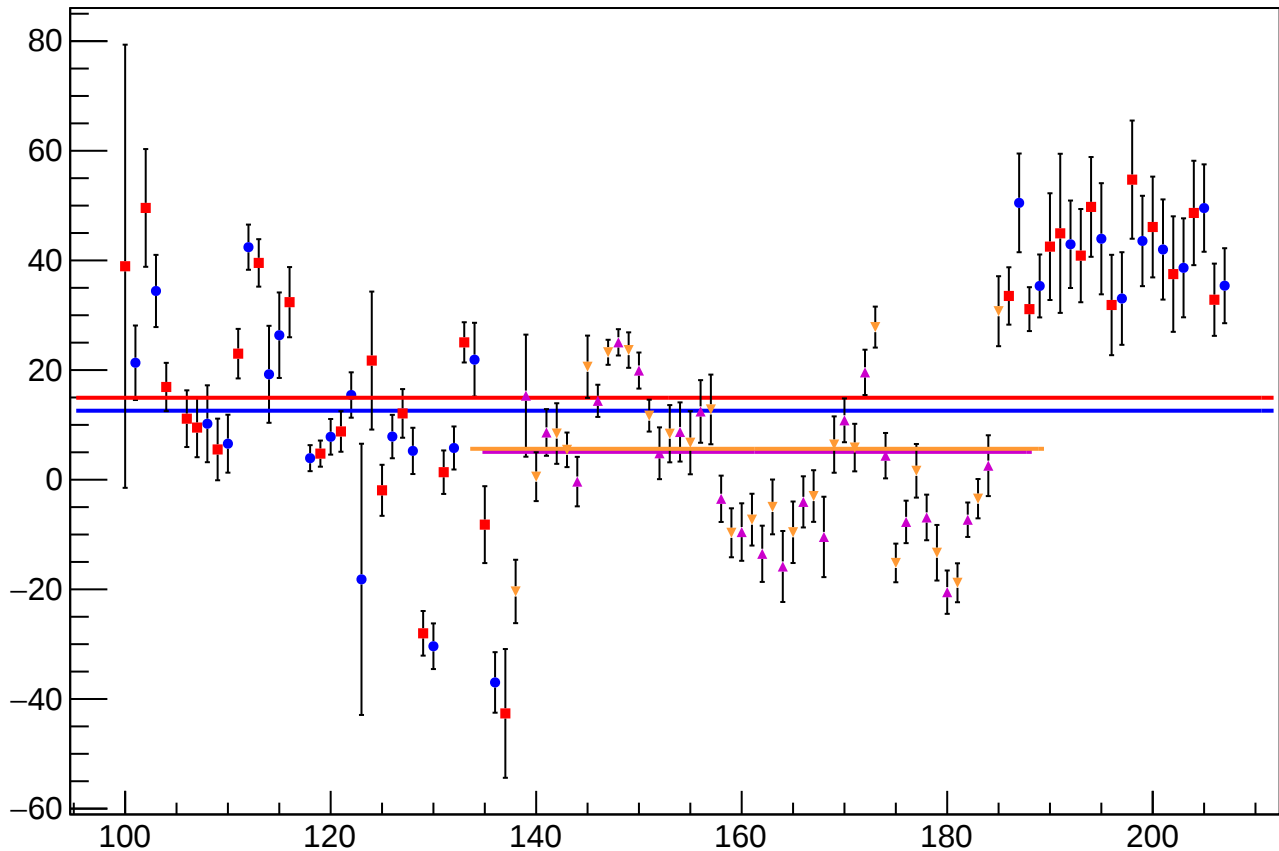
Left In: -233.988 ± 1.109 χ^2/NDF : 3538.4/22

+ sign -228.760 ± 0.946 χ^2/NDF : 5872.5/34

All: -237.291 ± 0.662 χ^2/NDF : 12690.3/69

- sign -245.484 ± 0.928 χ^2/NDF : 6658.5/34

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 12.585 ± 1.012 $\chi^2/\text{NDF}: 412.8/26$

Left Out: 5.638 ± 0.828 $\chi^2/\text{NDF}: 313.6/24$

Right Out: 14.950 ± 0.960 $\chi^2/\text{NDF}: 376.9/30$

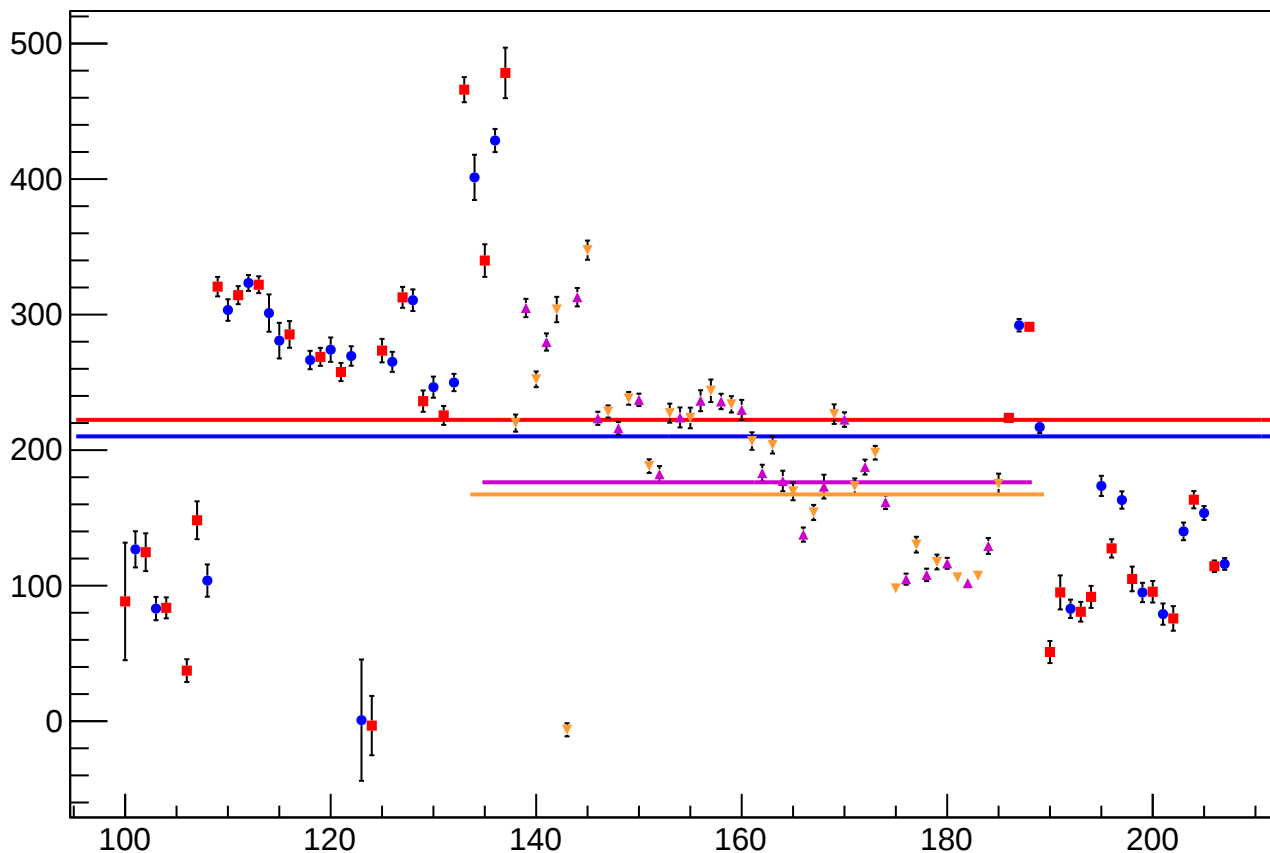
Left In: 5.077 ± 0.869 $\chi^2/\text{NDF}: 239.7/22$

+ sign 8.424 ± 0.641 $\chi^2/\text{NDF}: 754.7/51$

All: 8.970 ± 0.454 $\chi^2/\text{NDF}: 1430.9/105$

- sign 9.522 ± 0.644 $\chi^2/\text{NDF}: 674.7/53$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 210.139 $\pm$ 1.358 χ^2 /NDF: 4190.6/26

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF:4454.5/24

Right Out: 222.339 $\pm$ 1.171 χ^2 /NDF: 6570.9/30

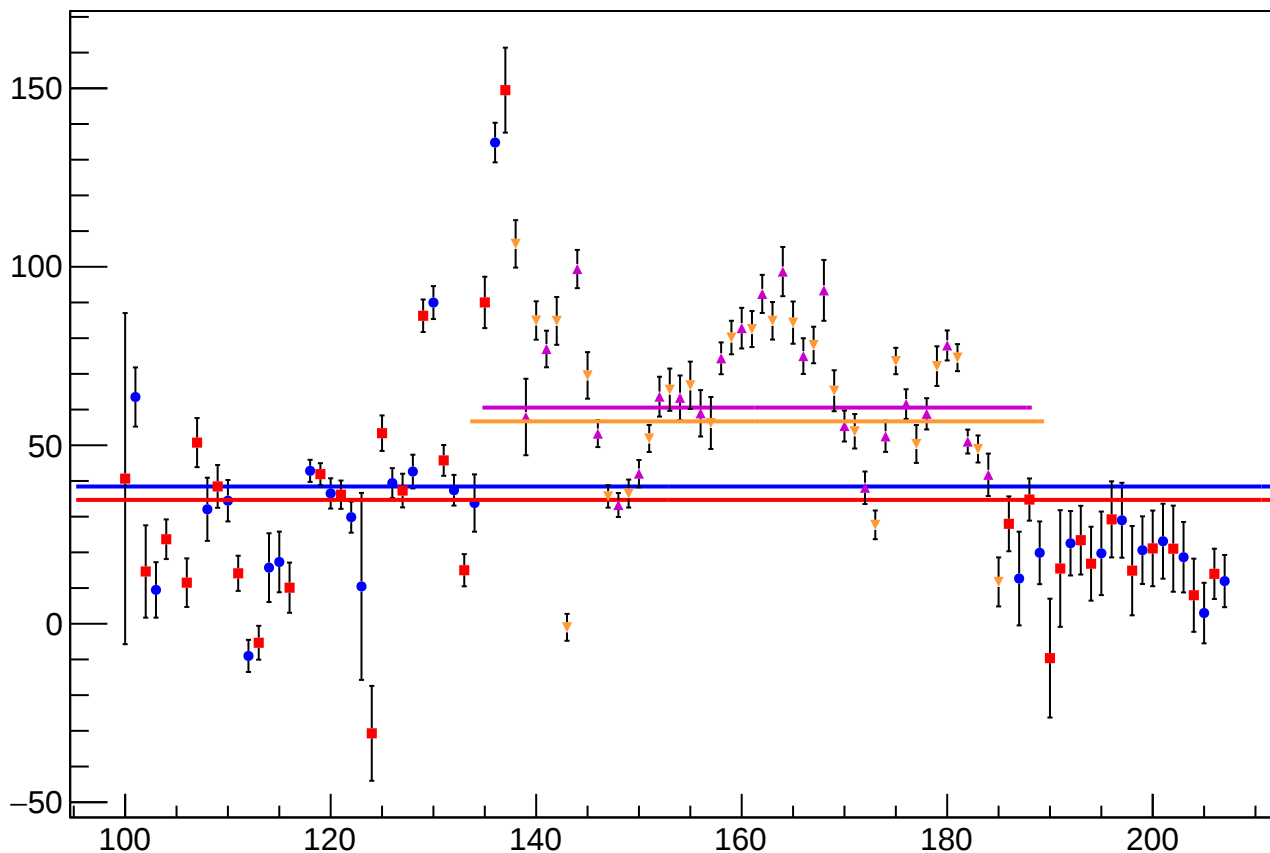
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 183.959 $\pm$ 0.847 χ^2 /NDF: 9252.7/51

All: 191.328 $\pm$ 0.583 χ^2 /NDF: 19955.1/105

- sign 197.977 $\pm$ 0.804 χ^2 /NDF: 10558.3/53

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 38.447 $\pm$ 1.175 χ^2/NDF : 637.1/26

Left Out: 56.695 $\pm$ 0.952 χ^2/NDF :690.4/24

Right Out: 34.698 $\pm$ 1.127 χ^2/NDF : 509.7/30

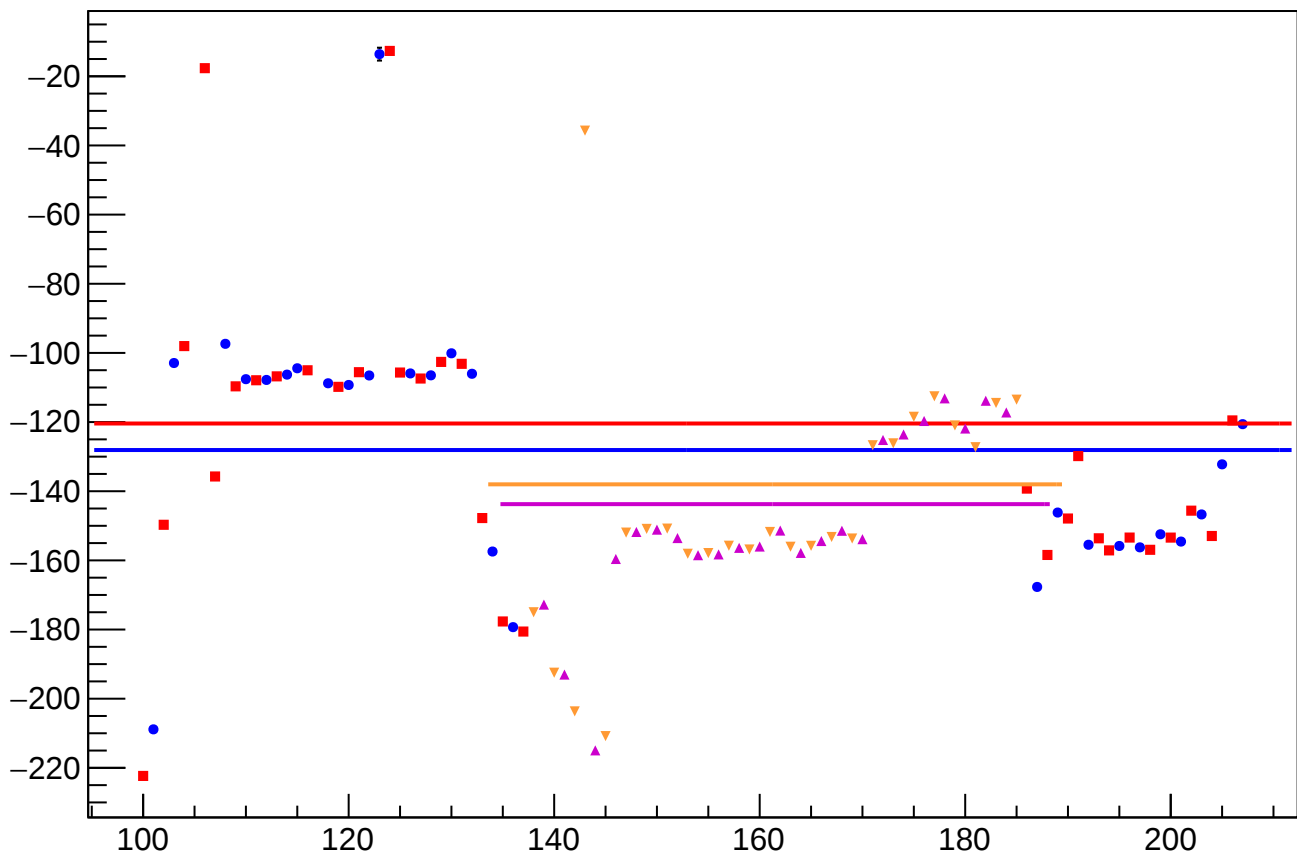
Left In: 60.555 $\pm$ 0.990 χ^2/NDF :335.6/22

+ sign 49.467 $\pm$ 0.740 χ^2/NDF : 1473.1/51

All: 49.379 $\pm$ 0.524 χ^2/NDF : 2615.5/105

- sign 49.291 $\pm$ 0.744 χ^2/NDF : 1142.4/53

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -128.087+/-0.063 χ^2/NDF : 205880.7/26

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -120.414+/-0.059 χ^2/NDF : 455065.4/30

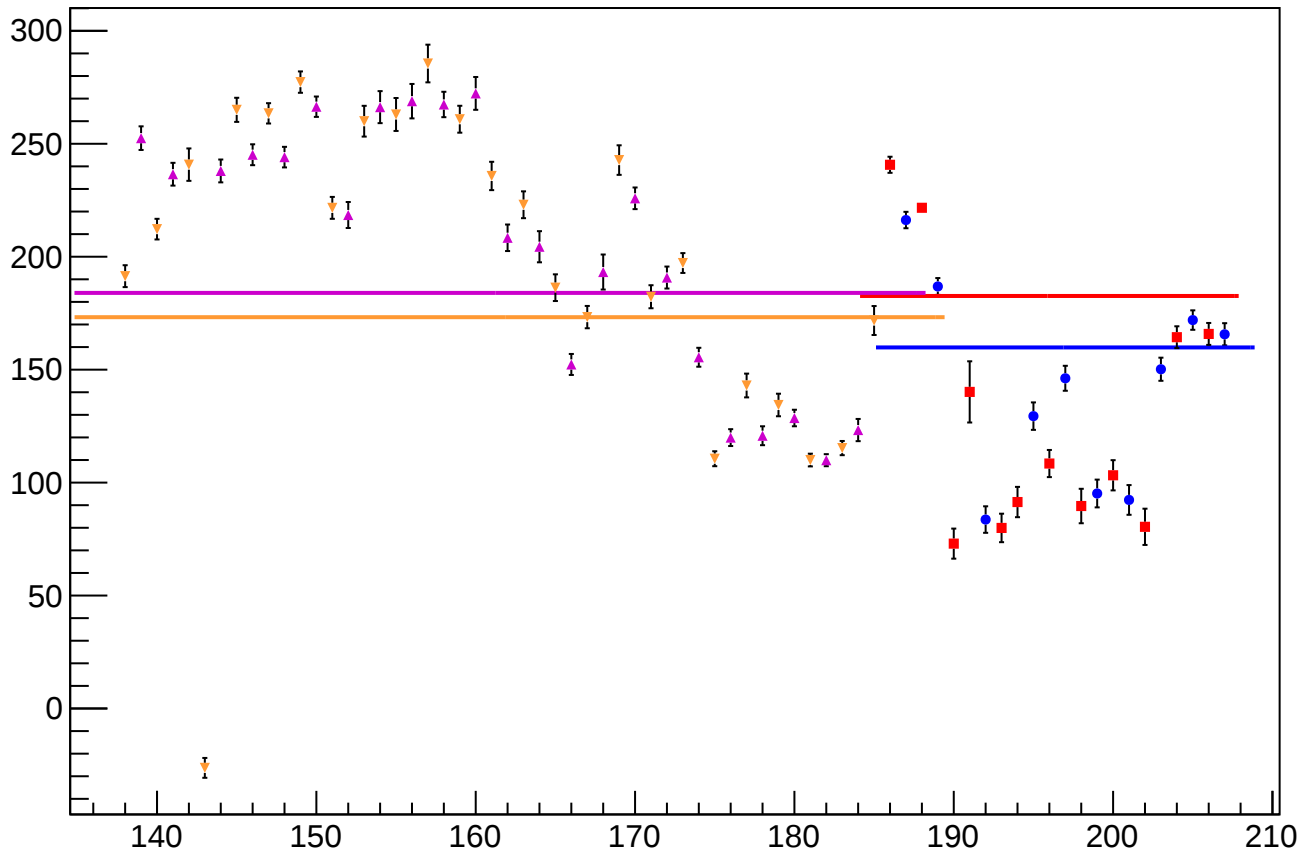
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -134.649+/-0.037 χ^2/NDF : 788011.7/51

All: -134.753+/-0.026 χ^2/NDF : 1598969.5/10

- sign -134.853+/-0.036 χ^2/NDF : 810942.2/53

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 159.842 ± 1.543 $\chi^2/\text{NDF}: 722.5/9$

Left Out: 173.229 ± 0.966 $\chi^2/\text{NDF}: 5846.0/24$

Right Out: 182.625 ± 1.280 $\chi^2/\text{NDF}: 2066.6/11$

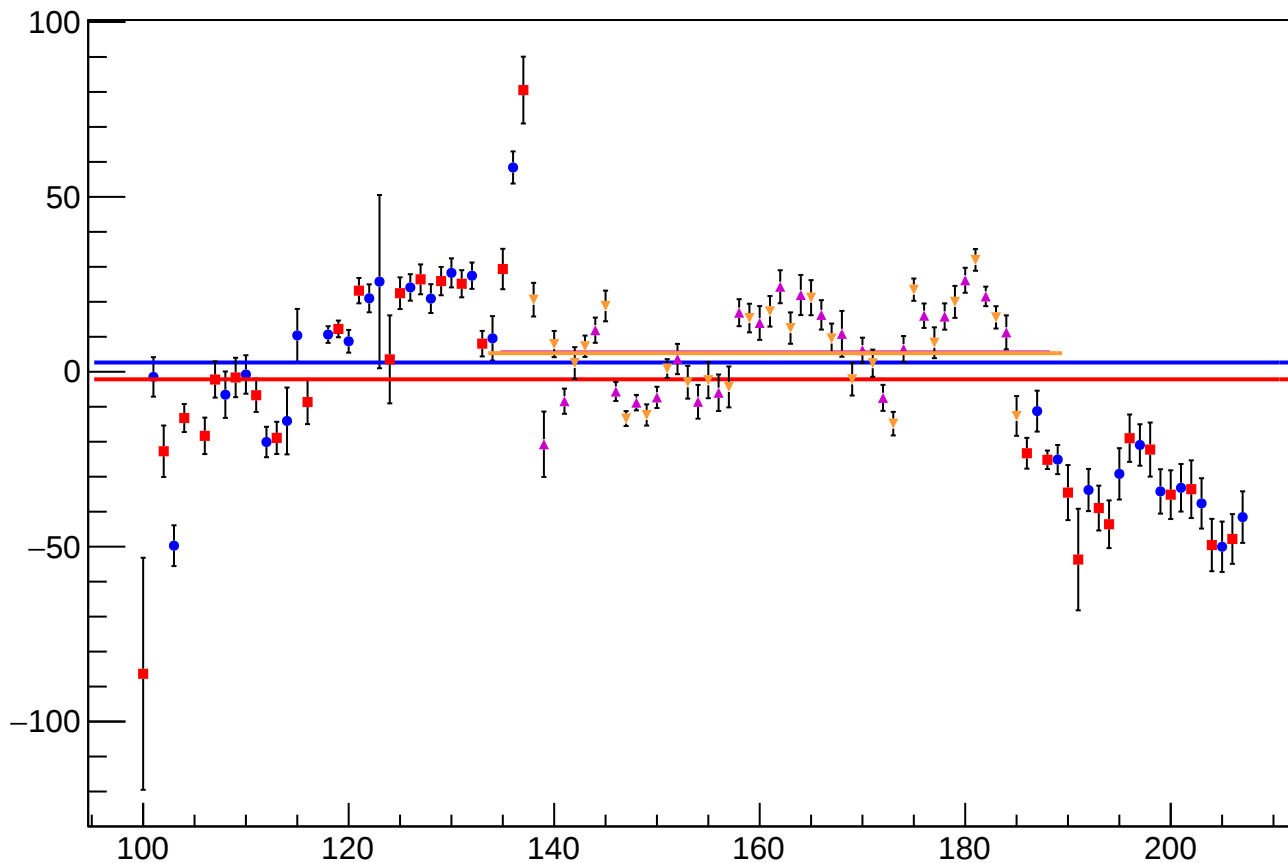
Left In: 183.984 ± 0.991 $\chi^2/\text{NDF}: 3613.7/22$

+ sign 169.462 ± 0.818 $\chi^2/\text{NDF}: 6622.6/34$

All: 176.773 ± 0.566 $\chi^2/\text{NDF}: 12456.5/69$

- sign 183.475 ± 0.784 $\chi^2/\text{NDF}: 5681.0/34$

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 2.650 ± 0.941 χ^2/NDF : 737.4/26

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -2.155 ± 0.883 χ^2/NDF : 746.6/30

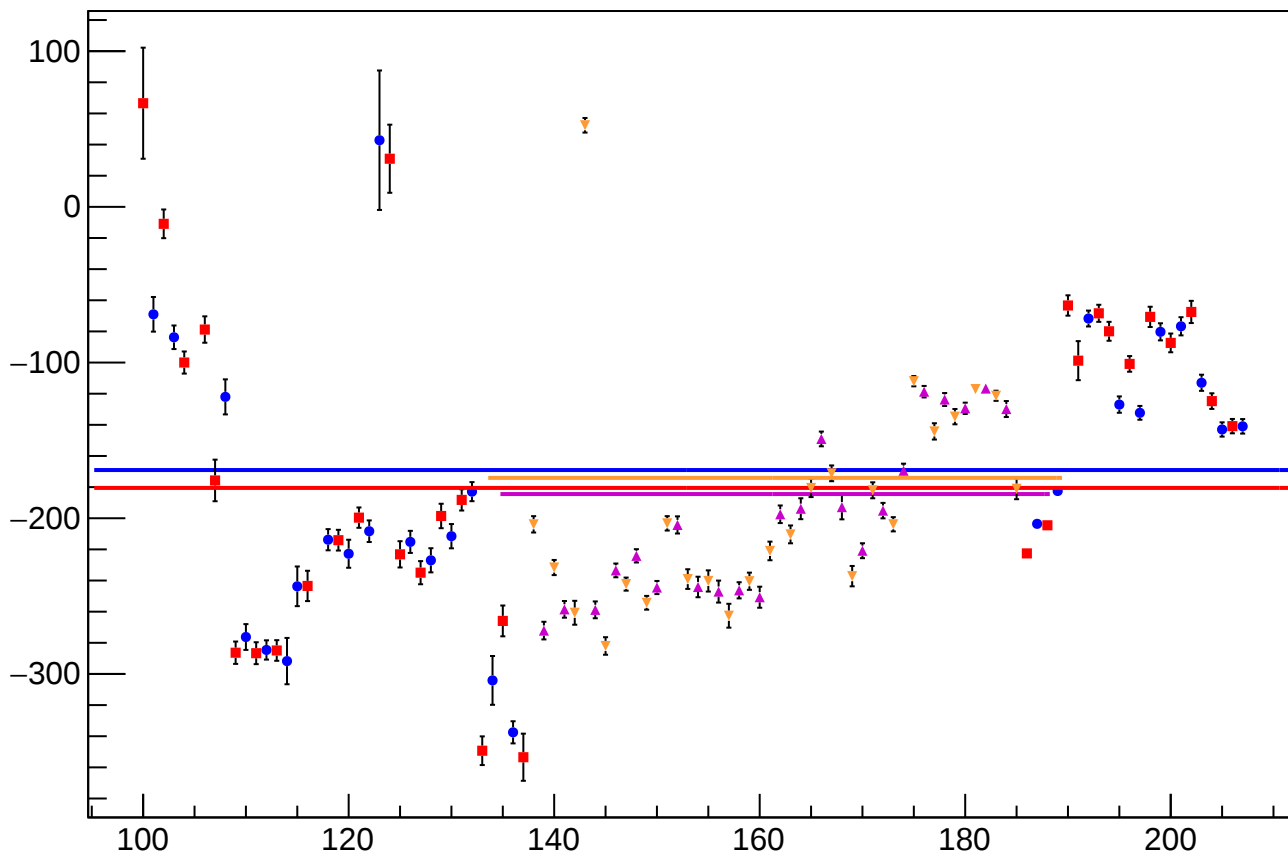
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 4.289 ± 0.585 χ^2/NDF : 1087.8/51

All: 3.222 ± 0.414 χ^2/NDF : 2139.9/105

- sign -2.156 ± 0.585 χ^2/NDF : 1045.4/53

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -169.036 ± 1.134 χ^2/NDF : 3091.2/26

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -180.513 ± 0.943 χ^2/NDF : 4904.2/30

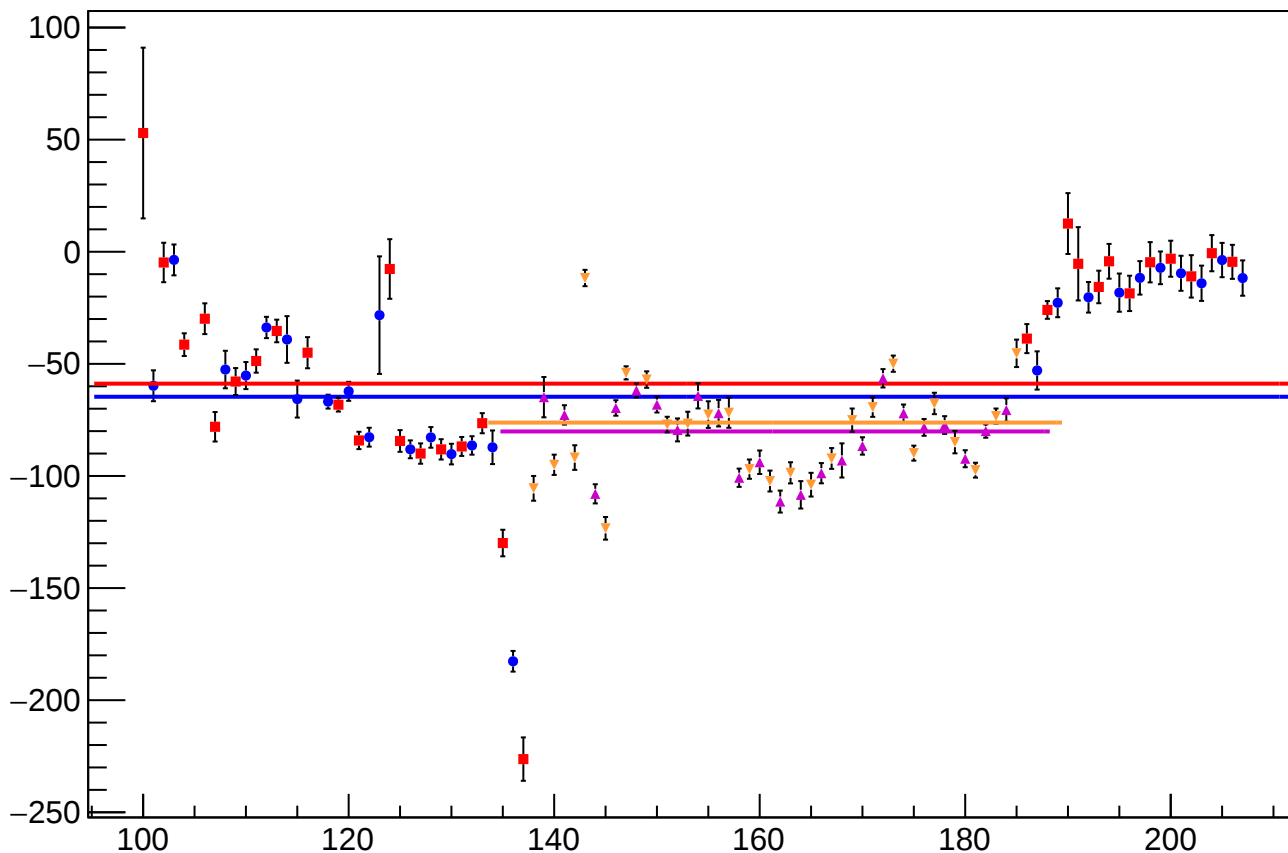
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -171.935 ± 0.737 χ^2/NDF : 8545.8/51

All: -177.562 ± 0.501 χ^2/NDF : 16618.0/105

- sign -182.387 ± 0.683 χ^2/NDF : 7964.1/53

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -64.671 ± 1.100 χ^2/NDF : 1353.8/26

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -58.827 ± 1.051 χ^2/NDF : 1242.0/30

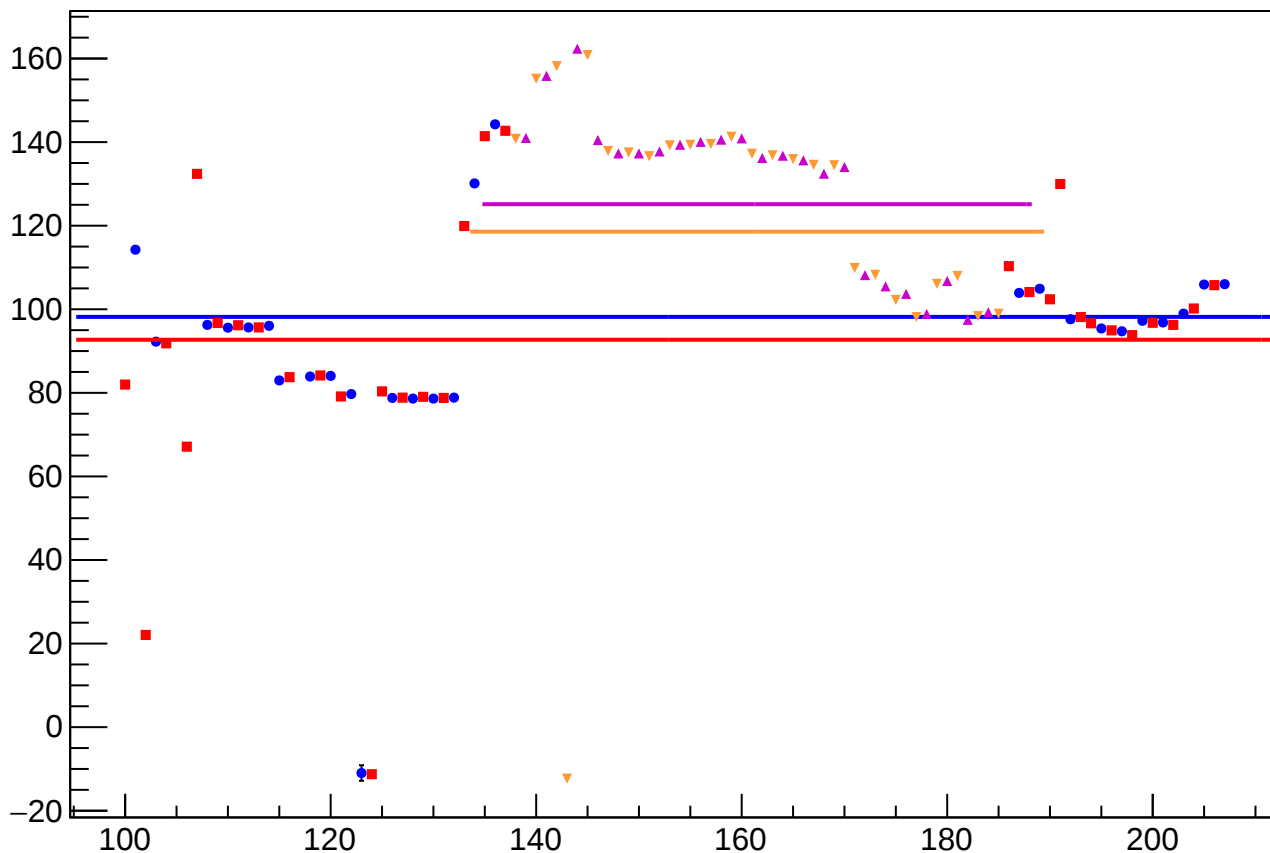
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -71.831 ± 0.676 χ^2/NDF : 2223.0/51

All: -71.545 ± 0.479 χ^2/NDF : 3988.5/105

- sign -71.257 ± 0.679 χ^2/NDF : 1765.1/53

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.177 ± 0.056 $\chi^2/\text{NDF}: 96078.3/26$

Left Out: 118.569 ± 0.040 $\chi^2/\text{NDF}: 728689.7/24$

Right Out: 92.708 ± 0.052 $\chi^2/\text{NDF}: 243165.7/30$

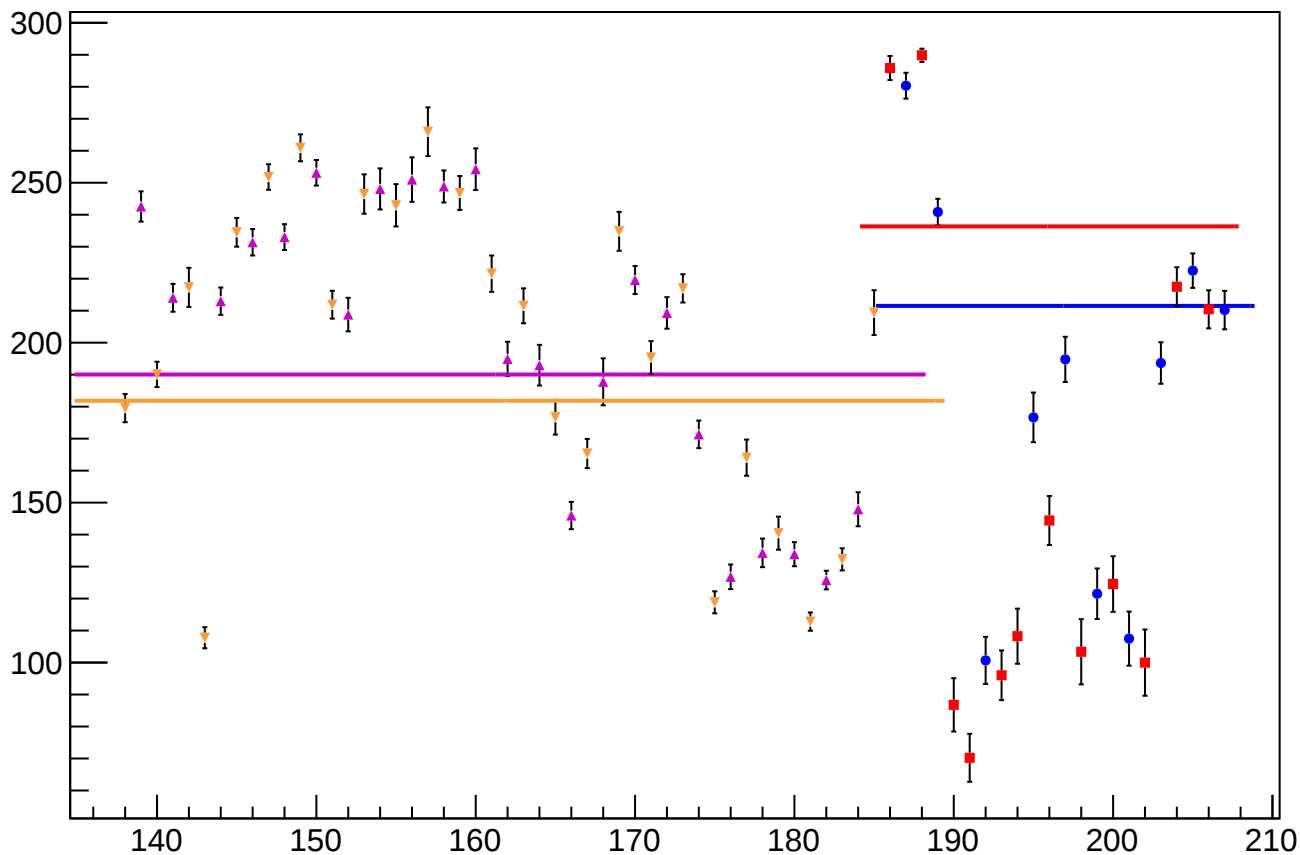
Left In: 125.139 ± 0.041 $\chi^2/\text{NDF}: 220927.1/22$

+ sign 111.495 ± 0.033 $\chi^2/\text{NDF}: 912743.9/51$

All: 111.998 ± 0.023 $\chi^2/\text{NDF}: 1618080.7/105$

- sign 112.486 ± 0.032 $\chi^2/\text{NDF}: 704871.2/53$

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 211.497 ± 1.853 $\chi^2/\text{NDF}: 885.8/9$

Left Out: 181.850 ± 0.913 $\chi^2/\text{NDF}: 3303.4/24$

Right Out: 236.352 ± 1.457 $\chi^2/\text{NDF}: 2883.9/11$

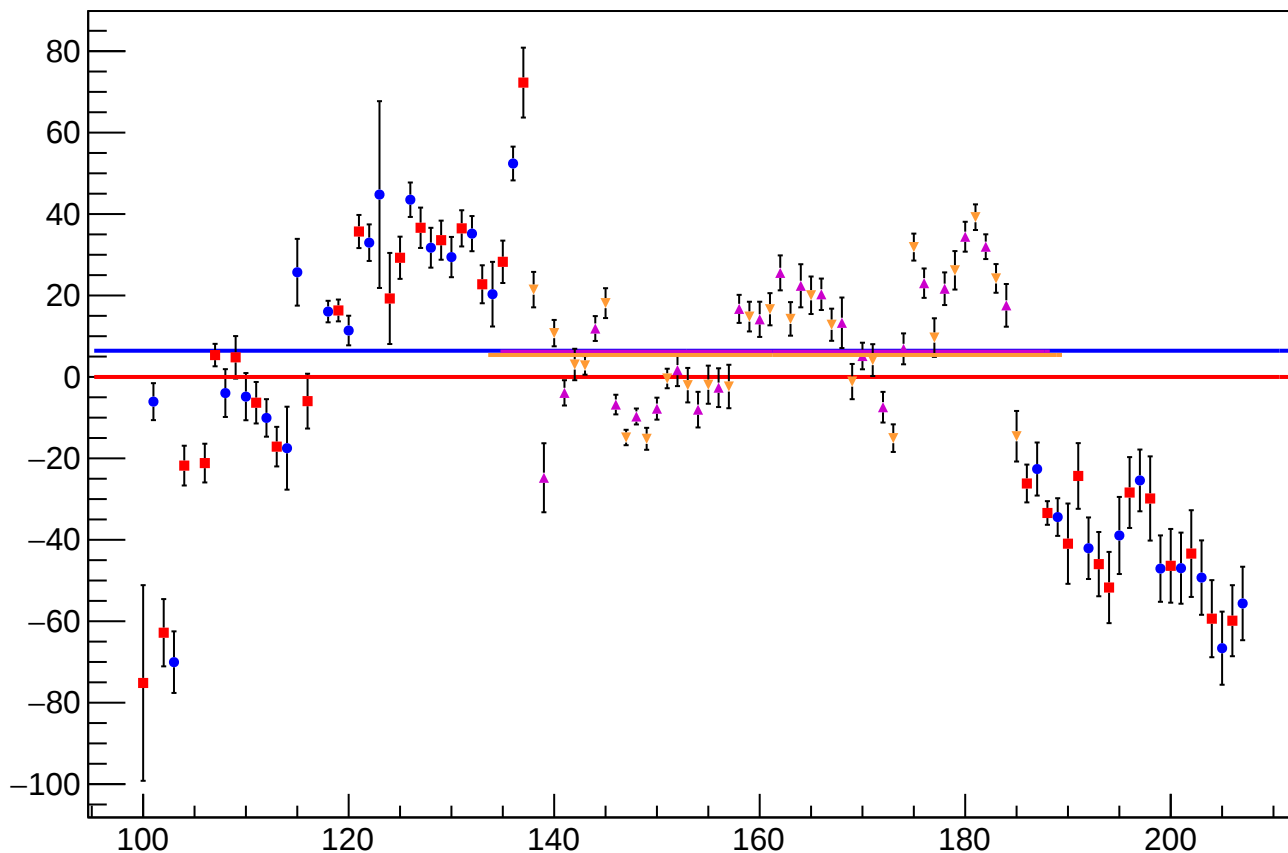
Left In: 190.048 ± 0.953 $\chi^2/\text{NDF}: 2438.4/22$

+ sign 187.645 ± 0.819 $\chi^2/\text{NDF}: 4395.2/34$

All: 195.999 ± 0.571 $\chi^2/\text{NDF}: 10627.2/69$

- sign 203.915 ± 0.798 $\chi^2/\text{NDF}: 6029.5/34$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 6.432 ± 1.046 χ^2/NDF : 899.9/26

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: -0.010 ± 0.938 χ^2/NDF : 978.6/30

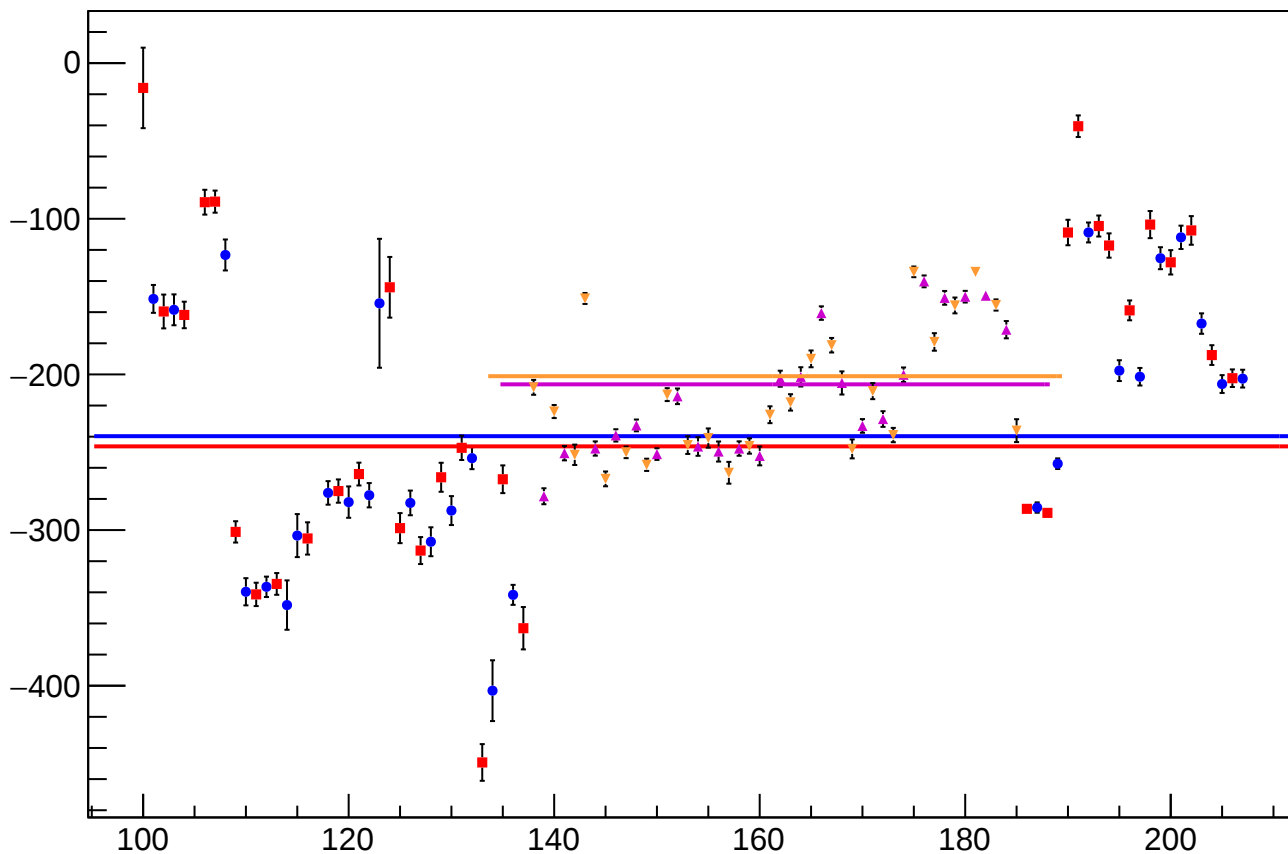
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 5.707 ± 0.575 χ^2/NDF : 1427.1/51

All: 4.784 ± 0.407 χ^2/NDF : 2845.6/105

- sign 3.854 ± 0.577 χ^2/NDF : 1413.4/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -239.685+/-1.307 χ^2 /NDF: 2691.7/26

Left Out: -201.144+/-0.918 χ^2 /NDF: 2488.8/24

Right Out: -246.228+/-1.046 χ^2 /NDF: 5821.8/30

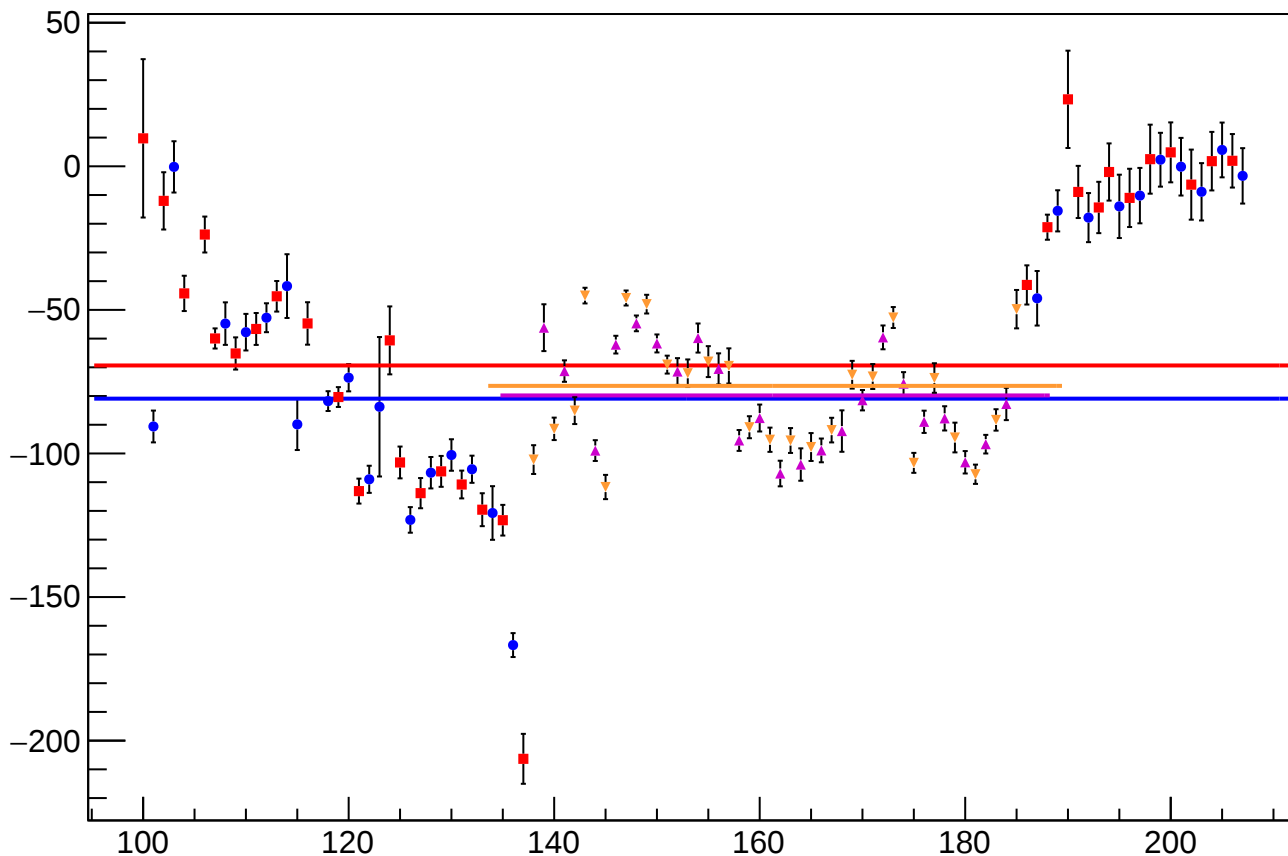
Left In: -206.379+/-0.950 χ^2 /NDF: 2111.6/22

+ sign -213.869+/-0.751 χ^2 /NDF: 5762.7/51

All: -219.469+/-0.513 χ^2 /NDF: 14595.7/105

- sign -224.377+/-0.703 χ^2 /NDF: 8728.7/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -80.910 ± 1.221 χ^2/NDF : 1371.9/26

Left Out: -76.460 ± 0.797 χ^2/NDF : 781.3/24

Right Out: -69.355 ± 1.120 χ^2/NDF : 1465.8/30

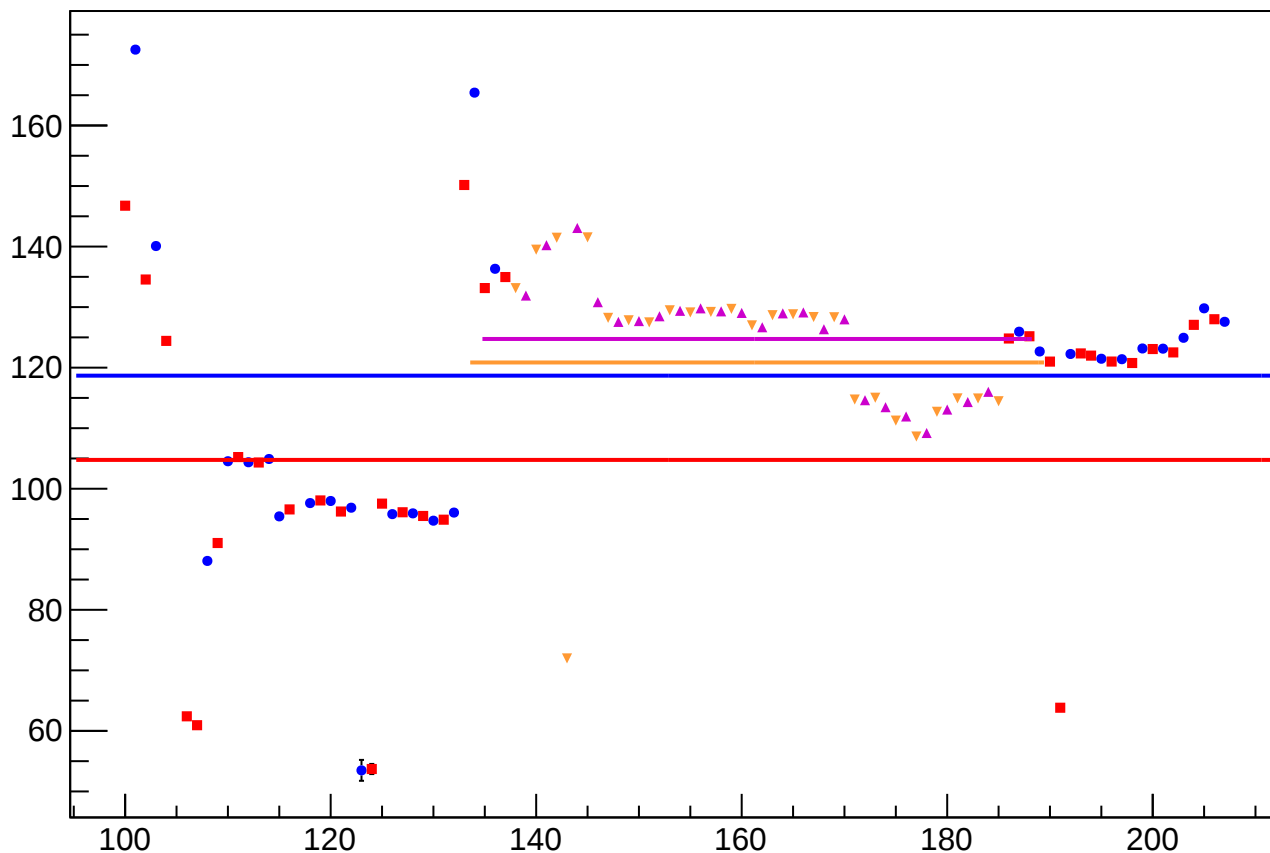
Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

+ sign -77.788 ± 0.667 χ^2/NDF : 2162.6/51

All: -76.919 ± 0.473 χ^2/NDF : 4099.7/105

- sign -76.037 ± 0.672 χ^2/NDF : 1933.7/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 118.677 $\pm$ 0.063 χ^2 /NDF: 109458.6/26

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF:182759.1/24

Right Out: 104.761 $\pm$ 0.055 χ^2 /NDF: 242749.2/30

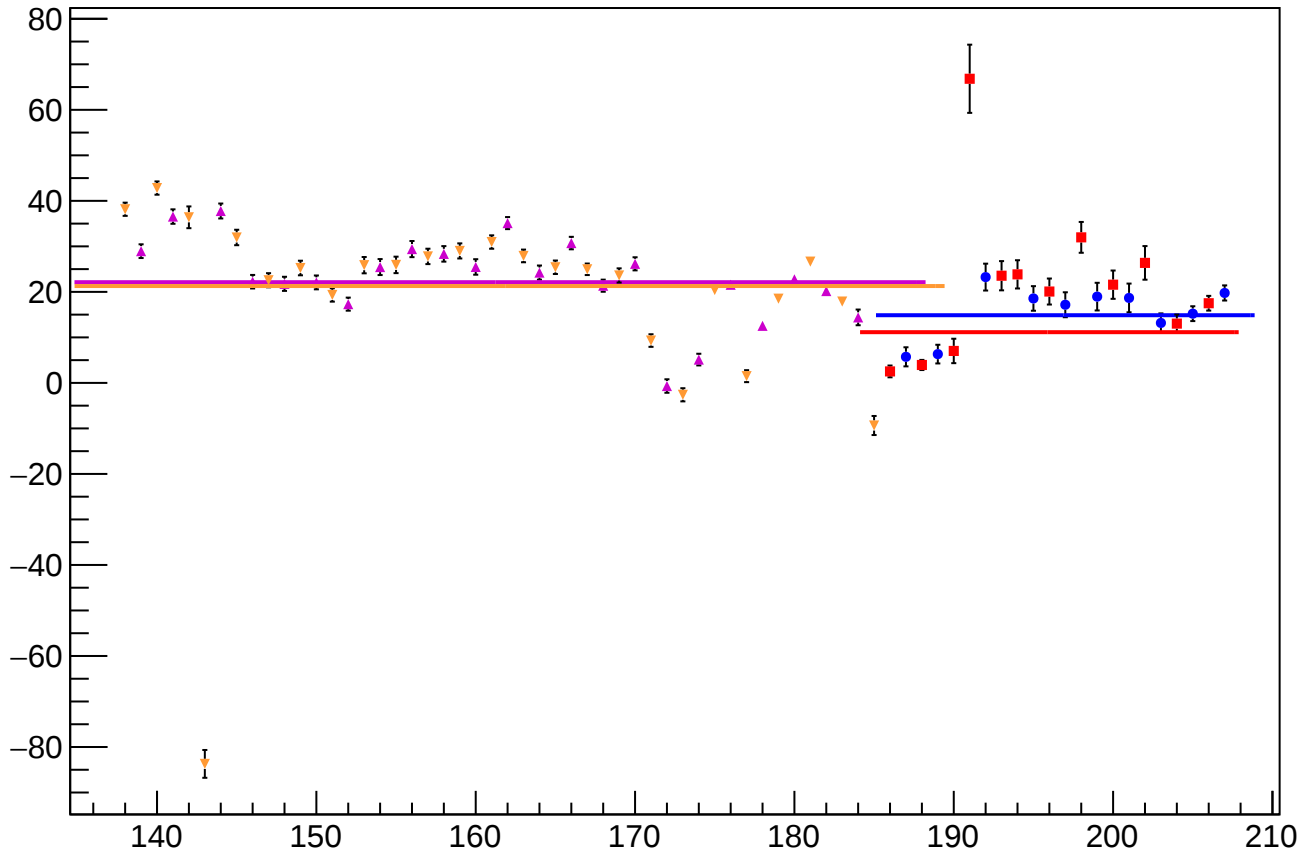
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

+ sign 120.275 $\pm$ 0.033 χ^2 /NDF: 293090.7/51

All: 119.119 $\pm$ 0.023 χ^2 /NDF: 676873.7/105

- sign 118.008 $\pm$ 0.032 χ^2 /NDF: 381317.6/53

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 14.871+/-0.703 χ^2/NDF : 59.6/9

Left Out: 21.282+/-0.282 χ^2/NDF : 2600.5/24

Right Out: 11.145+/-0.600 χ^2/NDF : 267.7/11

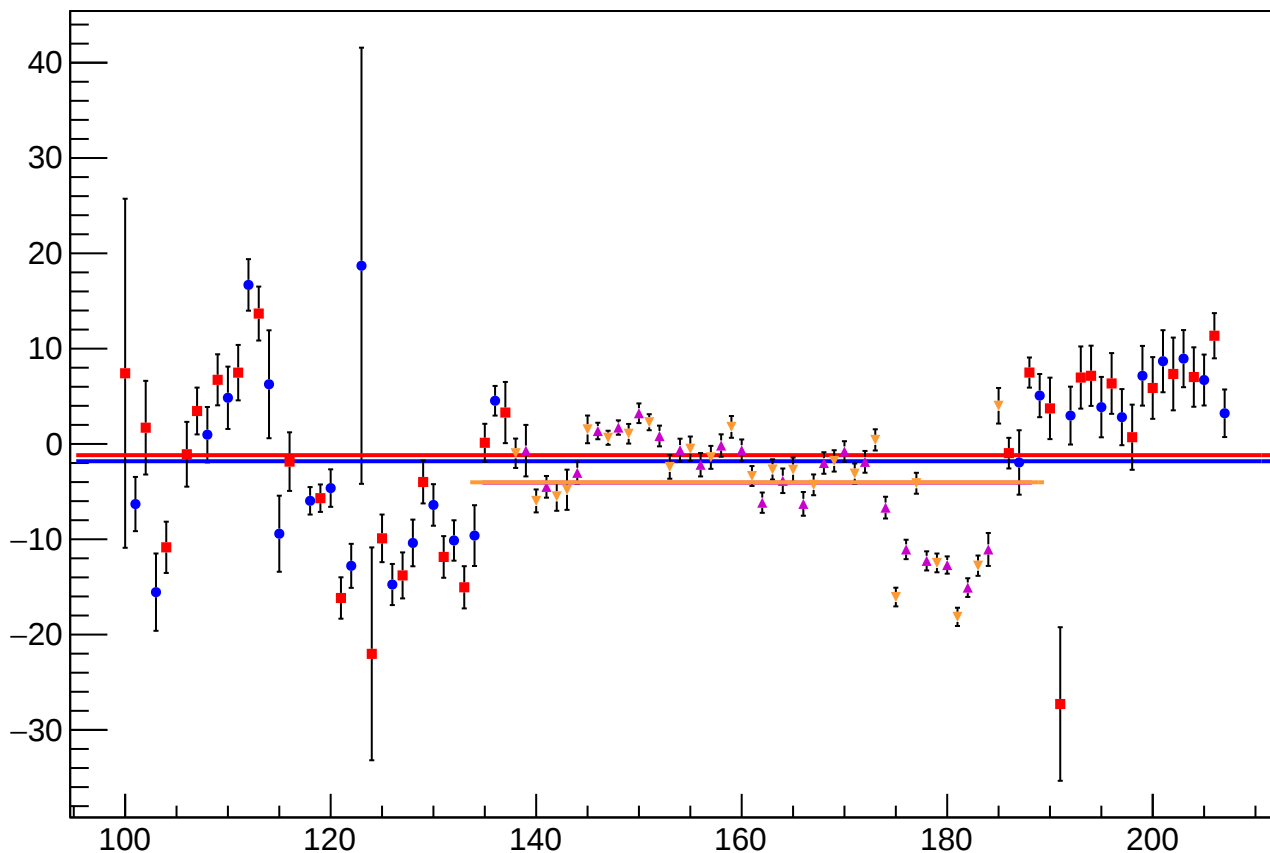
Left In: 22.127+/-0.285 χ^2/NDF : 900.2/22

+ sign 20.391+/-0.262 χ^2/NDF : 2731.7/34

All: 20.241+/-0.184 χ^2/NDF : 4173.7/69

- sign 20.097+/-0.258 χ^2/NDF : 1441.4/34

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -1.813+/-0.494 χ^2/NDF : 259.0/26

Left Out: -4.022+/-0.223 χ^2/NDF : 734.1/24

Right Out: -1.176+/-0.464 χ^2/NDF : 336.2/30

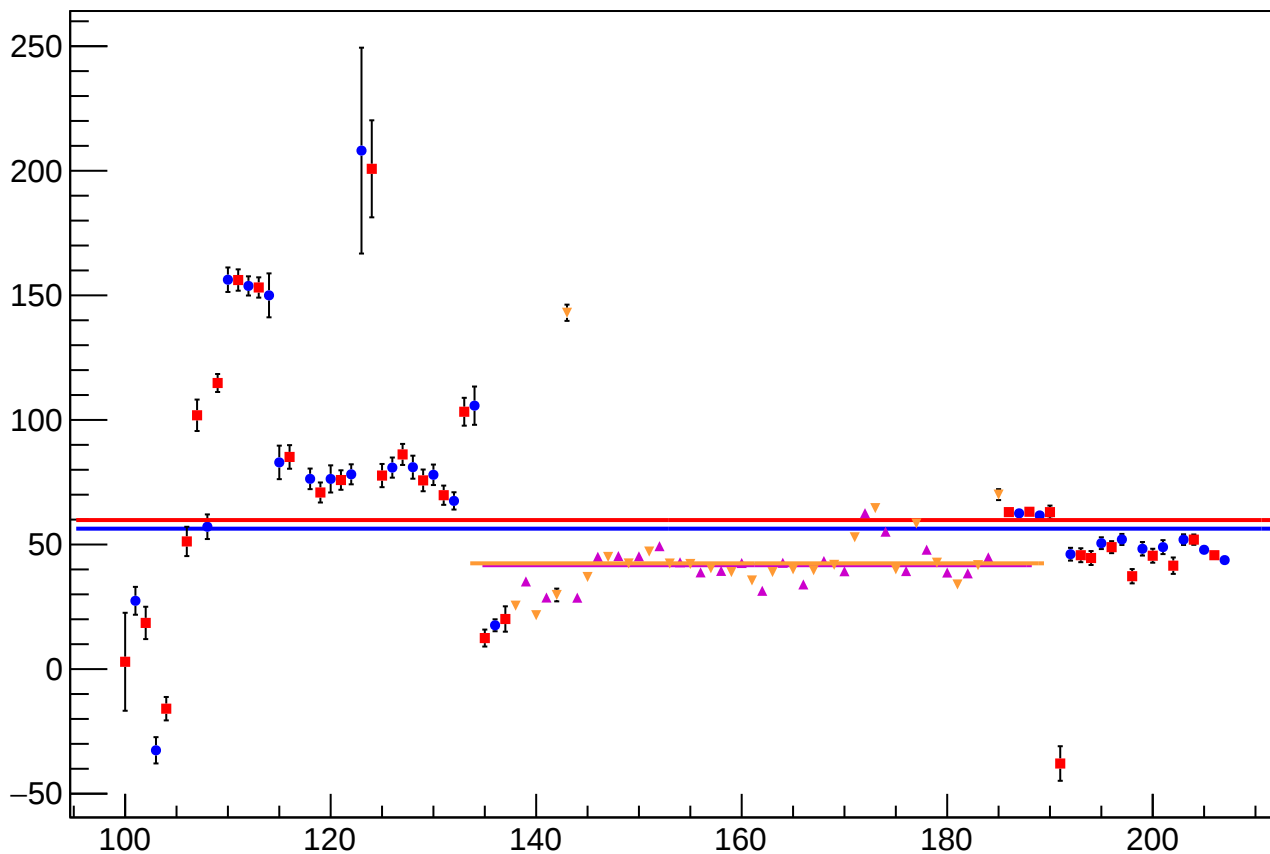
Left In: -4.059+/-0.228 χ^2/NDF : 577.2/22

+ sign -3.647+/-0.203 χ^2/NDF : 1009.7/51

All: -3.573+/-0.144 χ^2/NDF : 1954.5/105

- sign -3.498+/-0.205 χ^2/NDF : 944.5/53

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 56.361 ± 0.553 χ^2/NDF : 2133.9/26

Left Out: 42.452 ± 0.282 χ^2/NDF : 2016.0/24

Right Out: 59.816 ± 0.465 χ^2/NDF : 2627.7/30

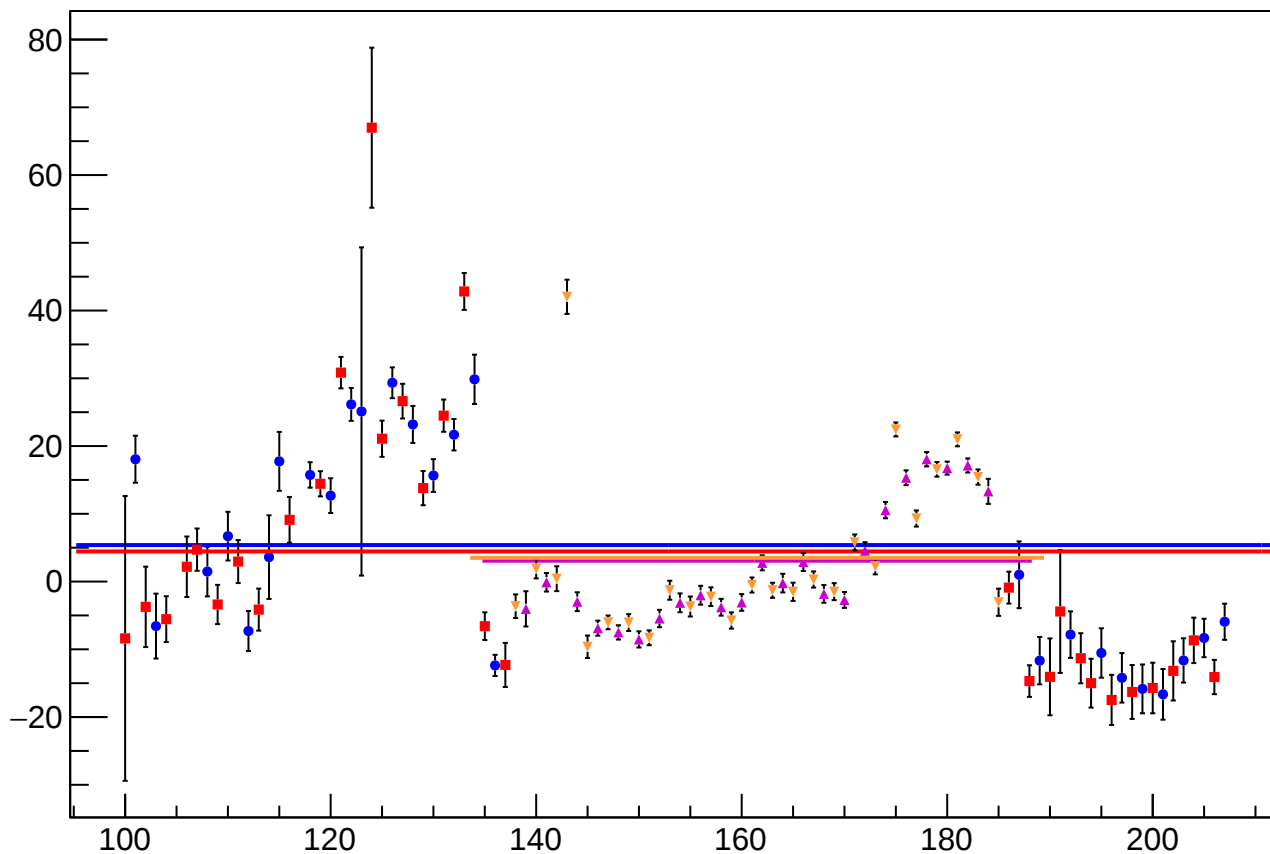
Left In: 41.695 ± 0.284 χ^2/NDF : 630.2/22

+ sign 45.320 ± 0.251 χ^2/NDF : 4651.8/51

All: 45.994 ± 0.174 χ^2/NDF : 9029.6/105

- sign 46.622 ± 0.242 χ^2/NDF : 4363.9/53

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 5.385 ± 0.567 χ^2/NDF : 779.8/26

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 4.445 ± 0.549 χ^2/NDF : 975.7/30

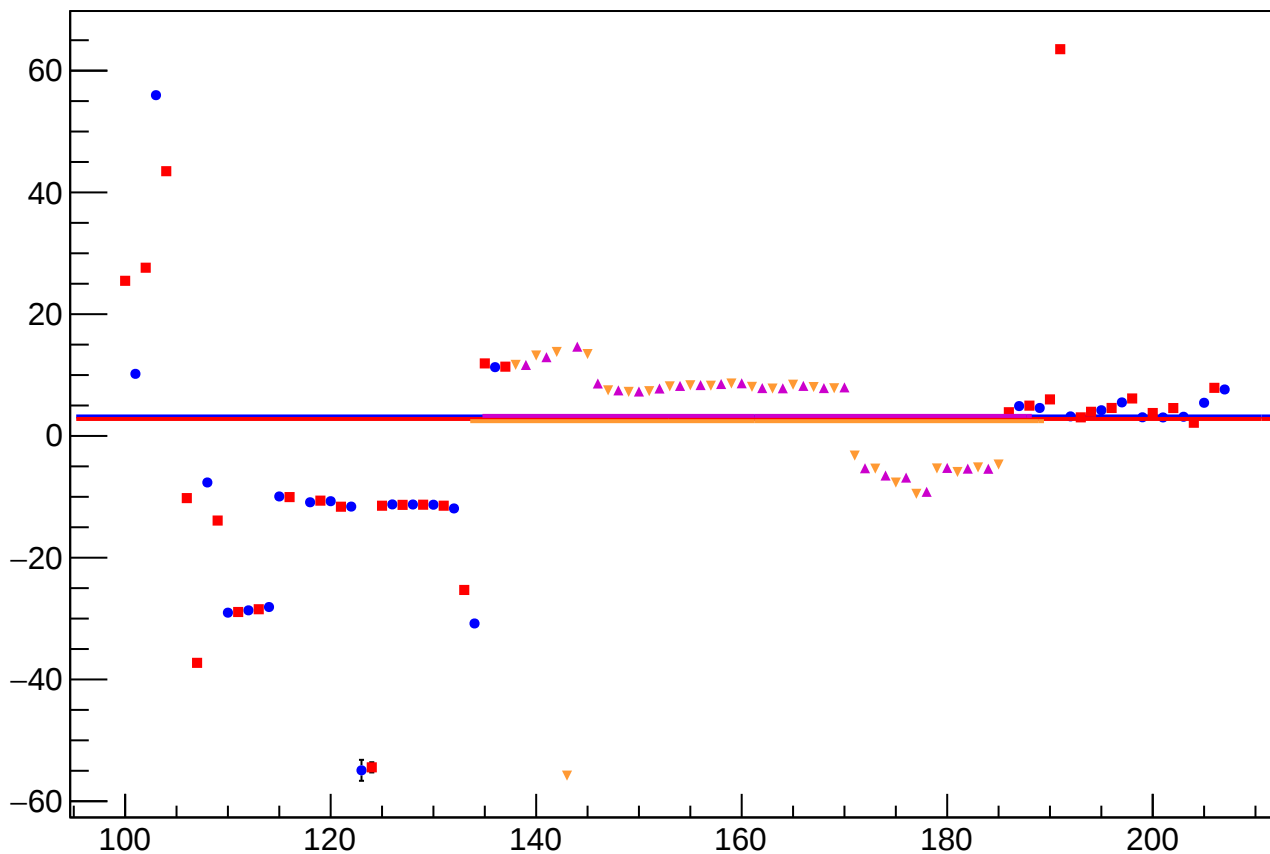
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 3.816 ± 0.231 χ^2/NDF : 2480.3/51

All: 3.574 ± 0.164 χ^2/NDF : 4729.0/105

- sign 3.327 ± 0.233 χ^2/NDF : 2246.5/53

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 3.199 $\pm$ 0.027 χ^2 /NDF: 361724.0/26

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 2.790 $\pm$ 0.026 χ^2 /NDF: 434254.1/30

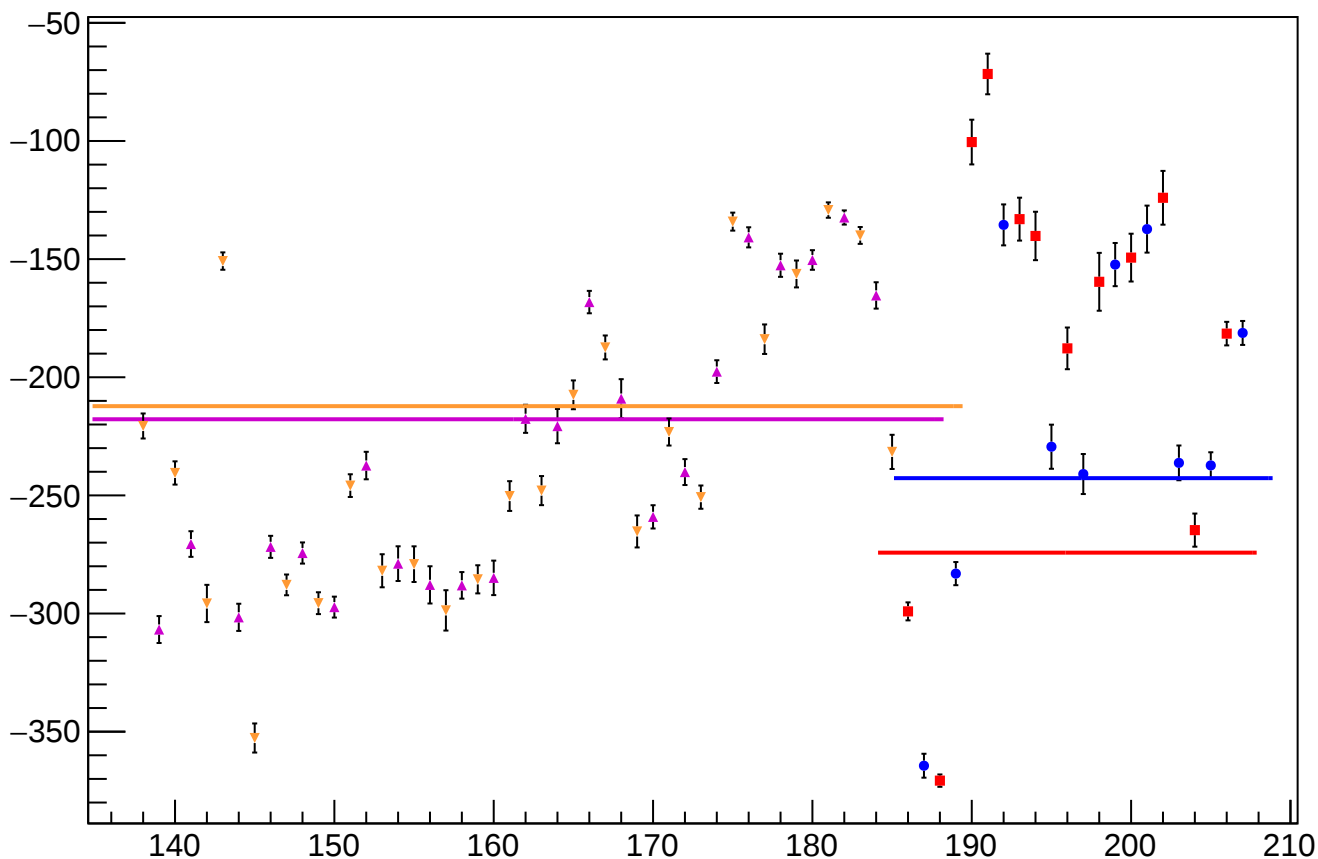
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.549 $\pm$ 0.011 χ^2 /NDF: 978820.7/51

All: 2.877 $\pm$ 0.008 χ^2 /NDF: 1819640.5/105

- sign 3.207 $\pm$ 0.011 χ^2 /NDF: 838893.0/53

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -242.703 ± 2.080 $\chi^2/\text{NDF}: 1159.8/9$

Left Out: -212.231 ± 1.029 $\chi^2/\text{NDF}: 3875.4/24$

Right Out: -274.233 ± 1.668 $\chi^2/\text{NDF}: 3570.6/11$

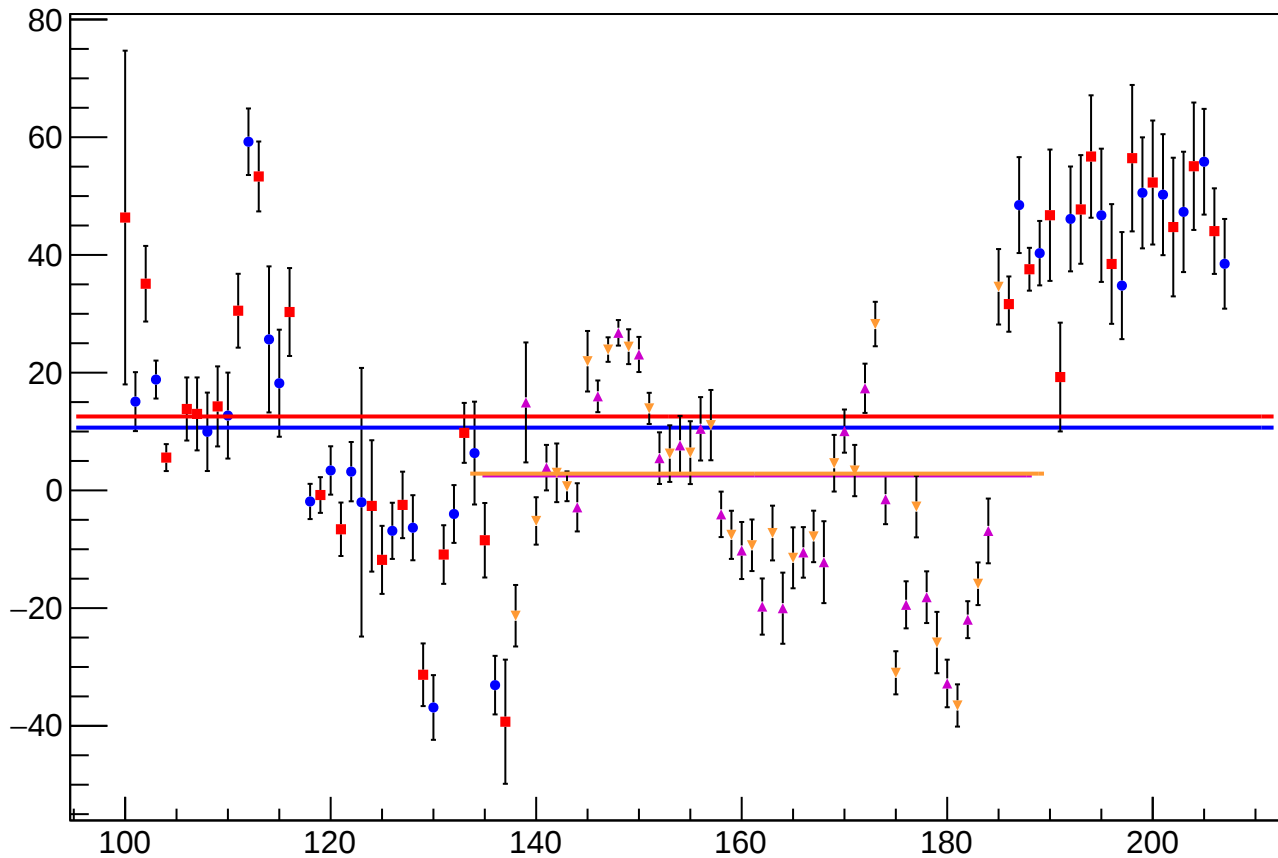
Left In: -217.779 ± 1.067 $\chi^2/\text{NDF}: 3448.9/22$

+ sign -218.228 ± 0.923 $\chi^2/\text{NDF}: 5207.6/34$

All: -226.406 ± 0.644 $\chi^2/\text{NDF}: 13193.2/69$

- sign -234.167 ± 0.899 $\chi^2/\text{NDF}: 7832.5/34$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 10.664 ± 1.129 χ^2/NDF : 458.8/26

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 12.556 ± 1.017 χ^2/NDF : 454.8/30

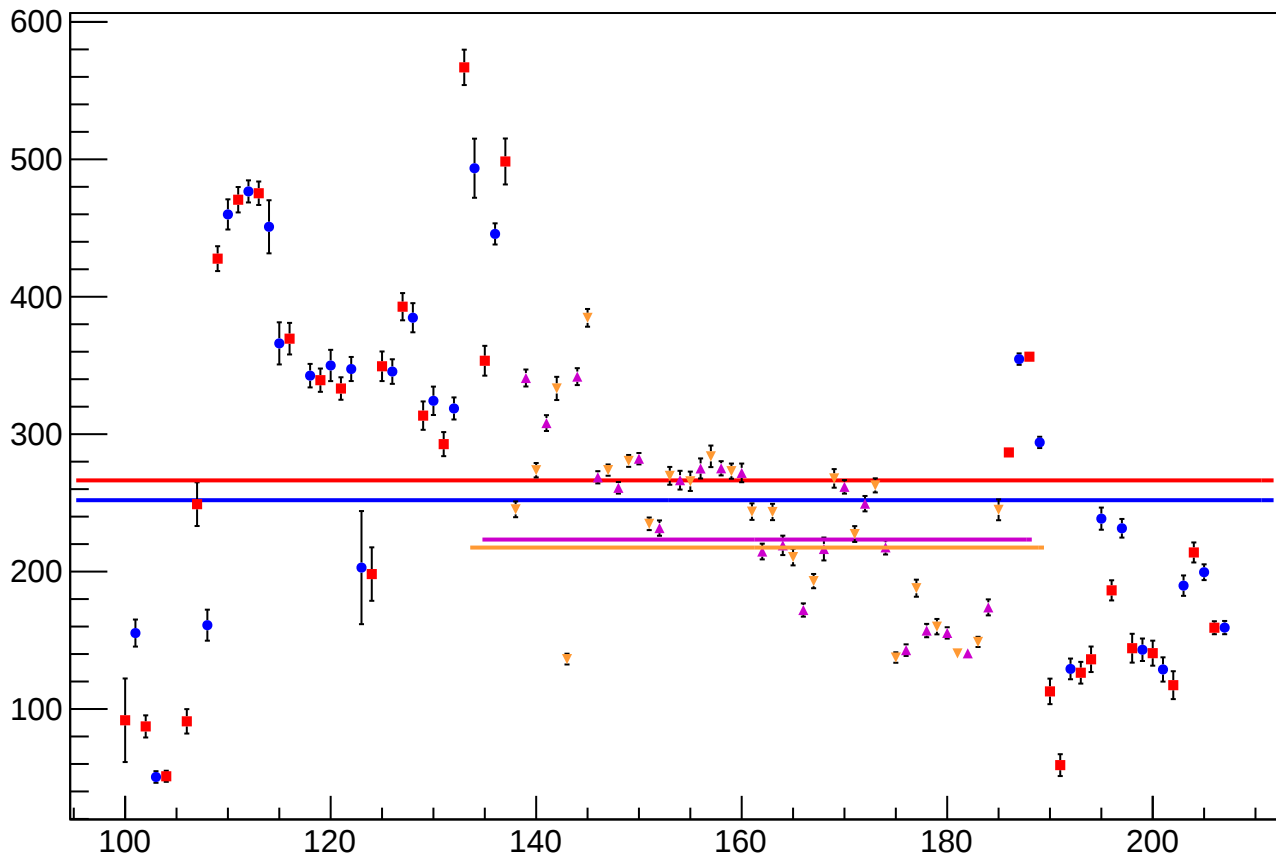
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 5.351 ± 0.639 χ^2/NDF : 1073.6/51

All: 5.925 ± 0.452 χ^2/NDF : 2062.2/105

- sign 6.500 ± 0.640 χ^2/NDF : 987.0/53

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 251.949 $\pm$ 1.420 χ^2 /NDF: 7067.7/26

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 266.365 $\pm$ 1.168 χ^2 /NDF: 11030.7/30

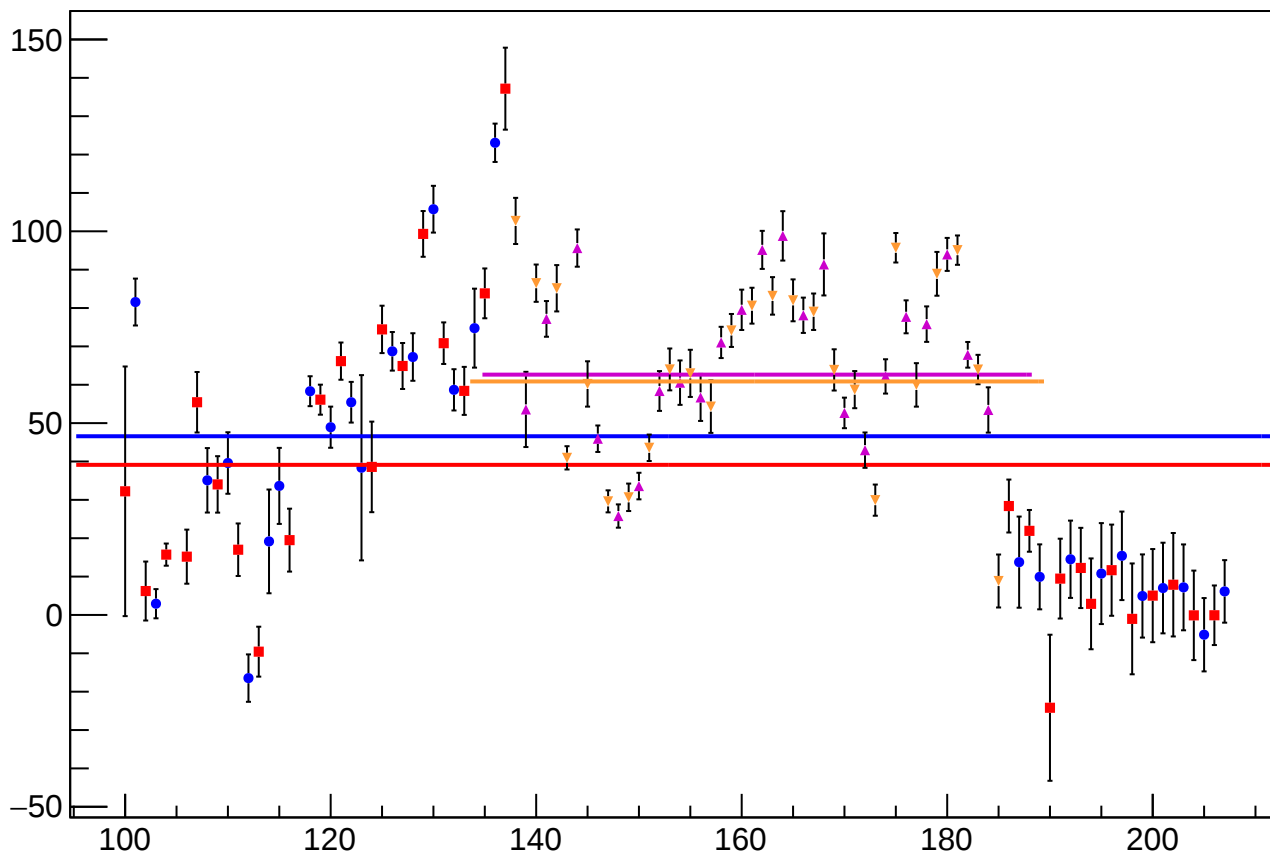
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 229.404 $\pm$ 0.835 χ^2 /NDF: 11222.7/51

All: 236.510 $\pm$ 0.572 χ^2 /NDF: 26512.2/105

- sign 242.800 $\pm$ 0.786 χ^2 /NDF: 15153.0/53

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 46.579 ± 1.318 χ^2/NDF : 804.1/26

Left Out: 60.863 ± 0.897 χ^2/NDF : 731.6/24

Right Out: 39.124 ± 1.219 χ^2/NDF : 661.4/30

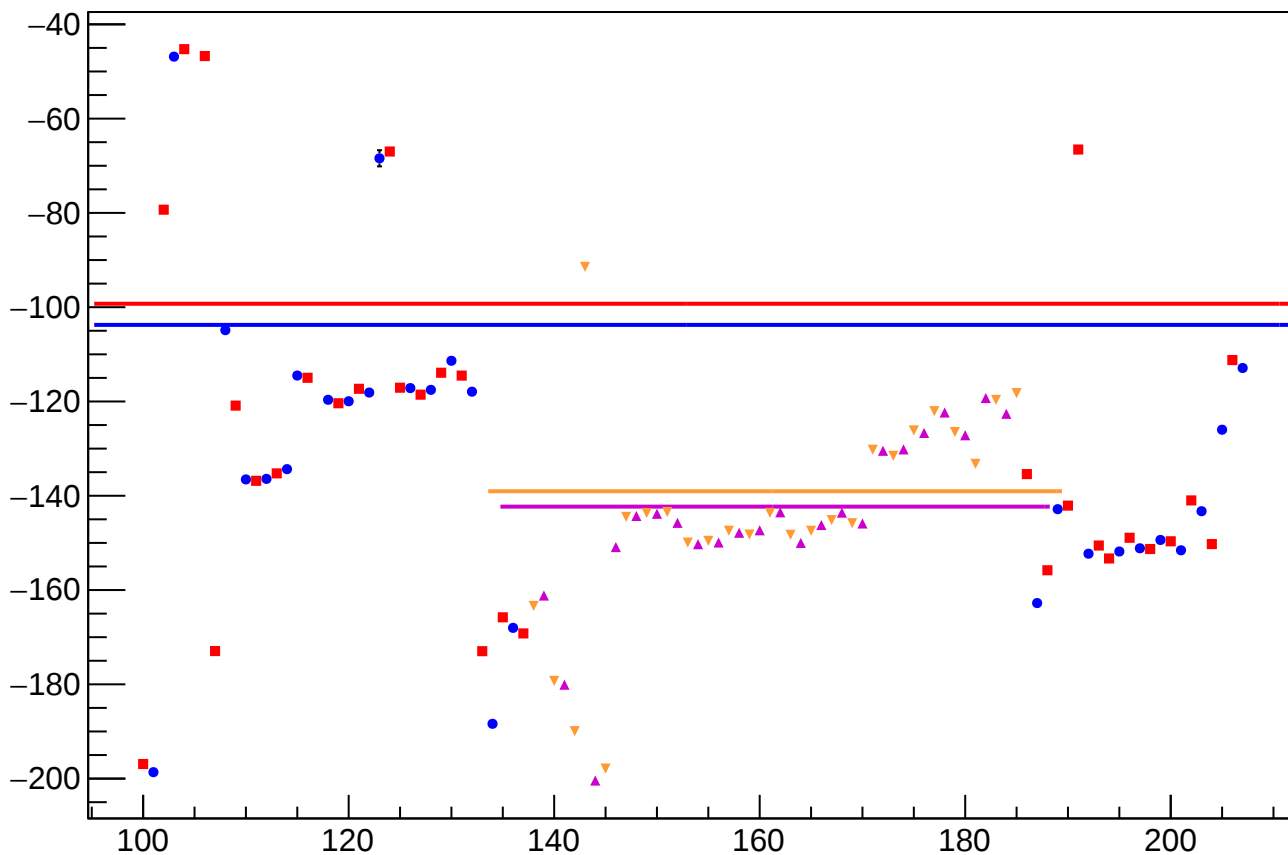
Left In: 62.640 ± 0.943 χ^2/NDF : 515.4/22

+ sign 56.344 ± 0.741 χ^2/NDF : 1616.0/51

All: 55.101 ± 0.526 χ^2/NDF : 3031.2/105

- sign 53.843 ± 0.746 χ^2/NDF : 1409.6/53

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -103.755+/-0.059 χ^2/NDF : 693523.8/26

Left Out: -139.040+/-0.043 χ^2/NDF : 258113.4/24

Right Out: -99.269+/-0.055 χ^2/NDF : 728477.6/30

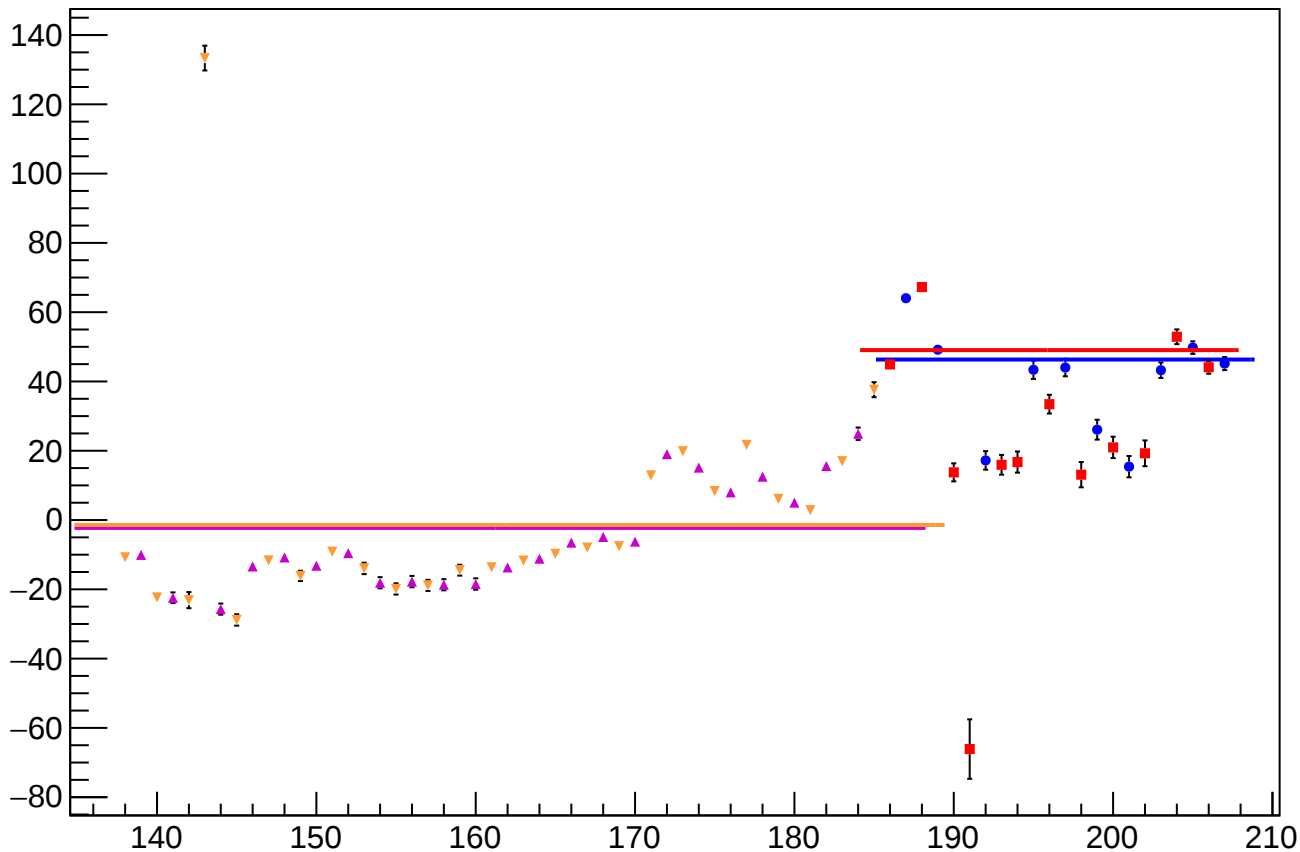
Left In: -142.305+/-0.044 χ^2/NDF : 143351.8/22

+ sign -126.777+/-0.035 χ^2/NDF : 1187082.6/51

All: -126.150+/-0.024 χ^2/NDF : 2431159.7/10

- sign -125.530+/-0.034 χ^2/NDF : 1243424.8/53

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 46.332 ± 0.640 χ^2/NDF : 442.2/9

Left Out: -1.427 ± 0.268 χ^2/NDF : 4339.0/24

Right Out: 49.052 ± 0.483 χ^2/NDF : 1472.7/11

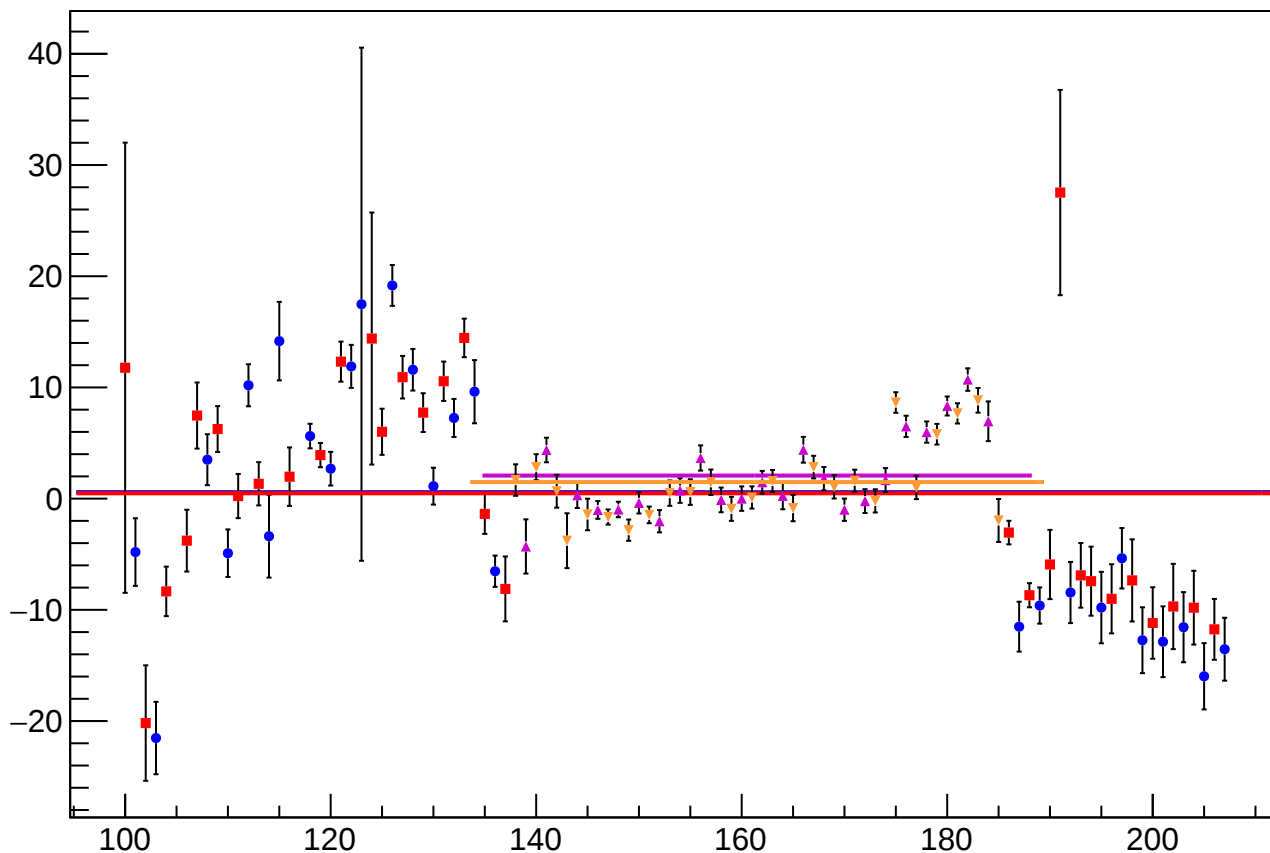
Left In: -2.270 ± 0.271 χ^2/NDF : 2521.6/22

+ sign 5.677 ± 0.247 χ^2/NDF : 9517.9/34

All: 7.942 ± 0.171 χ^2/NDF : 22273.2/69

- sign 10.013 ± 0.236 χ^2/NDF : 12594.3/34

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 0.580 ± 0.409 $\chi^2/\text{NDF}: 547.7/26$

Left Out: 1.491 ± 0.210 $\chi^2/\text{NDF}: 259.1/24$

Right Out: 0.478 ± 0.375 $\chi^2/\text{NDF}: 436.2/30$

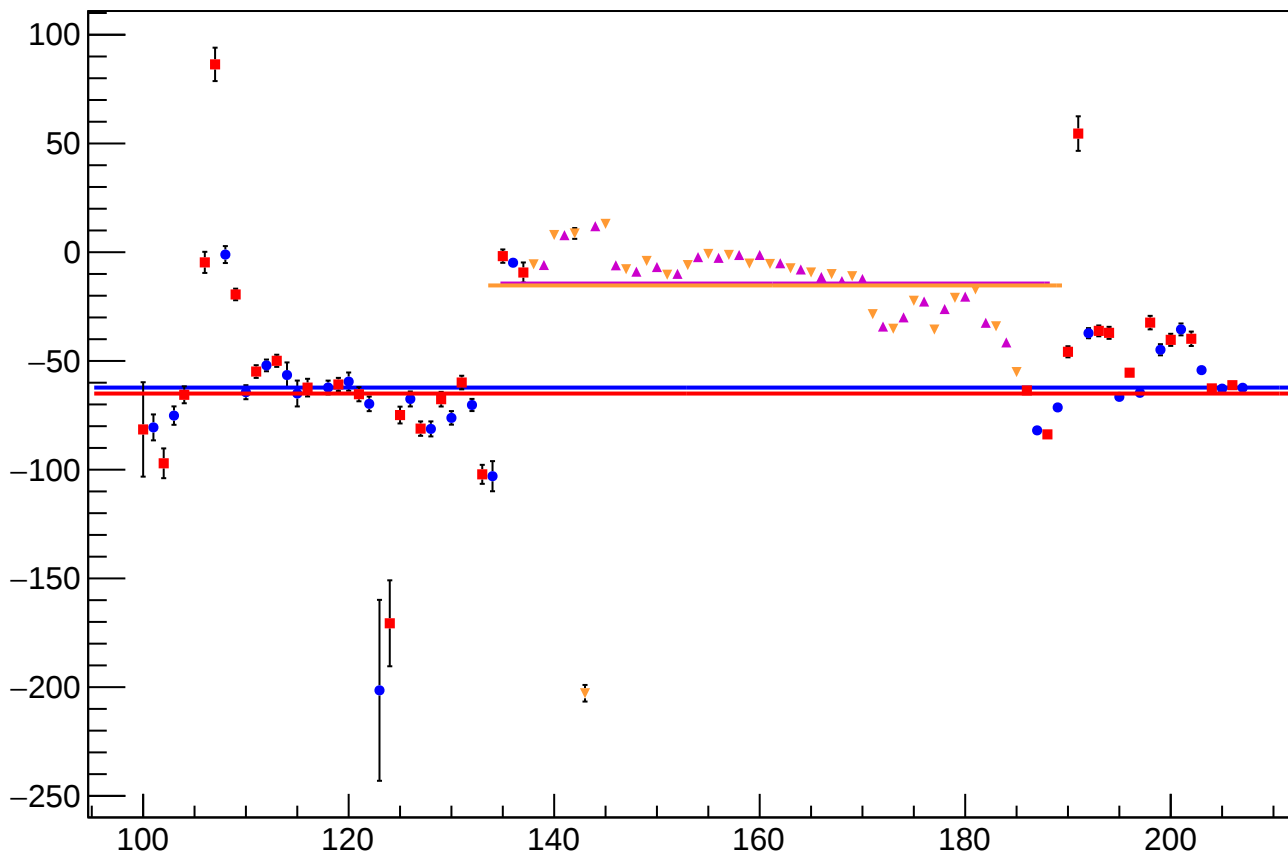
Left In: 2.075 ± 0.215 $\chi^2/\text{NDF}: 274.6/22$

+ sign 1.300 ± 0.187 $\chi^2/\text{NDF}: 810.7/51$

All: 1.490 ± 0.132 $\chi^2/\text{NDF}: 1537.2/105$

- sign 1.679 ± 0.187 $\chi^2/\text{NDF}: 724.4/53$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -62.242 ± 0.474 $\chi^2/\text{NDF}: 1723.4/26$

Left Out: -15.279 ± 0.267 $\chi^2/\text{NDF}: 4820.1/24$

Right Out: -64.991 ± 0.364 $\chi^2/\text{NDF}: 3307.6/30$

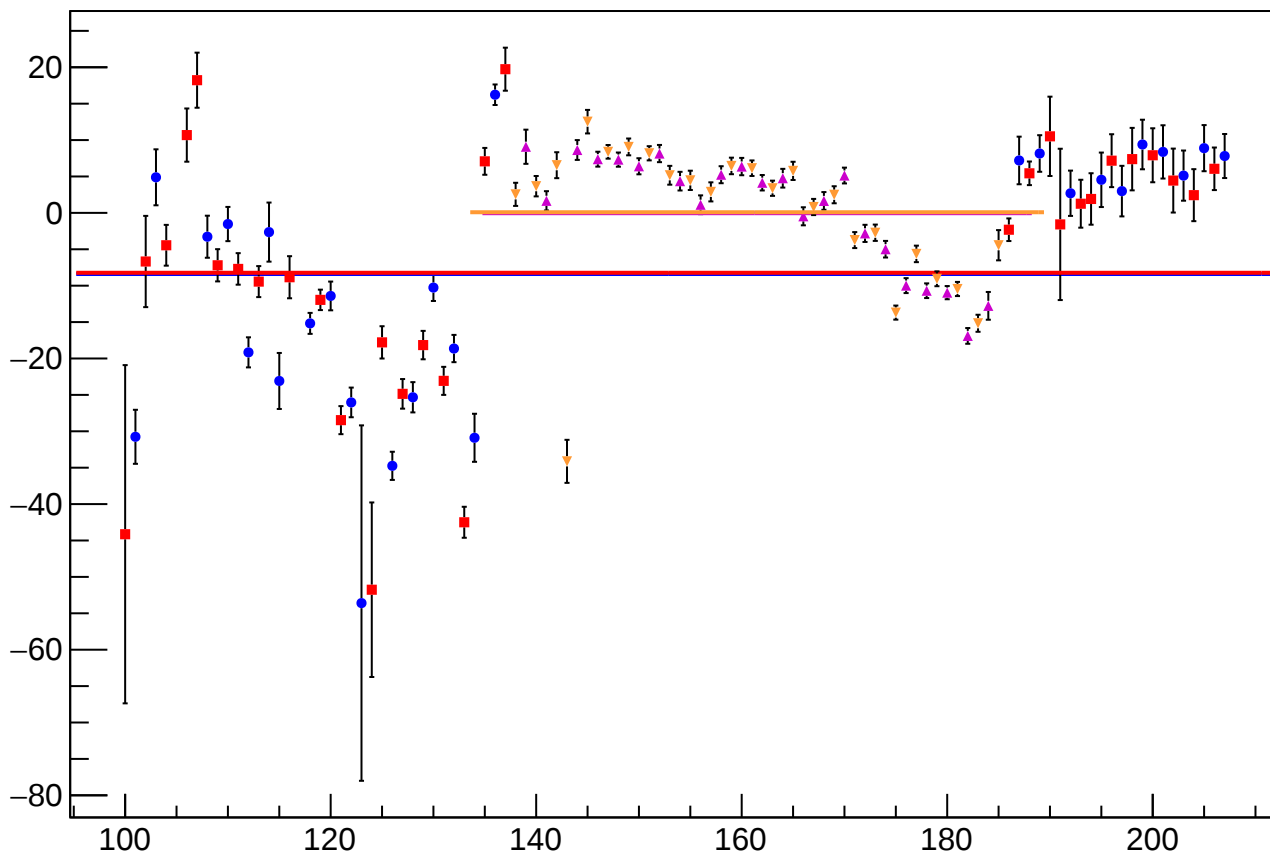
Left In: -14.406 ± 0.269 $\chi^2/\text{NDF}: 2032.4/22$

+ sign -26.583 ± 0.232 $\chi^2/\text{NDF}: 14001.7/51$

All: -29.621 ± 0.158 $\chi^2/\text{NDF}: 32128.5/105$

- sign -32.255 ± 0.216 $\chi^2/\text{NDF}: 17807.9/53$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -8.397 ± 0.475 χ^2/NDF : 1064.4/26

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -8.228 ± 0.451 χ^2/NDF : 1005.4/30

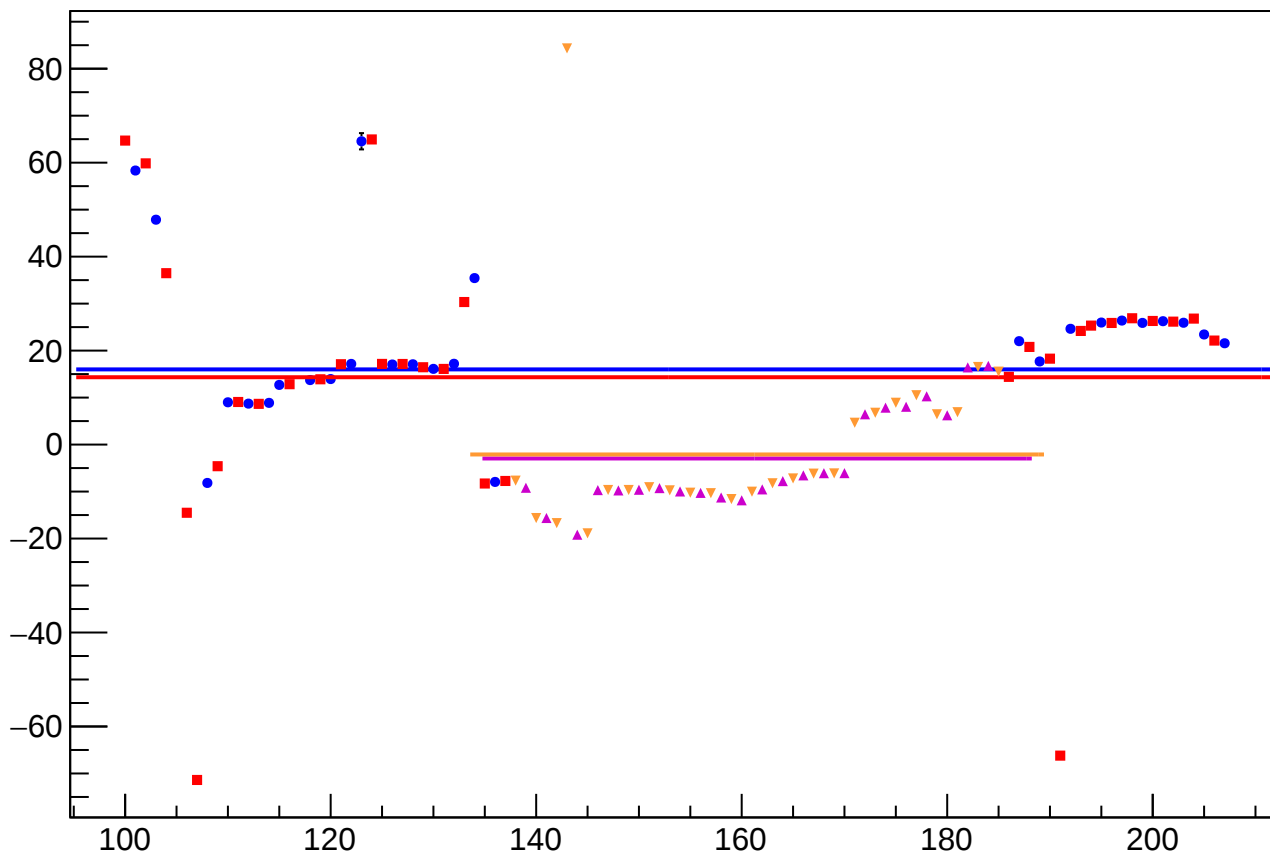
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.616 ± 0.213 χ^2/NDF : 2491.2/51

All: -1.749 ± 0.151 χ^2/NDF : 4780.4/105

- sign -1.884 ± 0.214 χ^2/NDF : 2288.4/53

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 16.001 $\pm$ 0.024 χ^2 /NDF: 469920.2/26

Left Out: -2.105 $\pm$ 0.011 χ^2 /NDF: 1093120.2/24

Right Out: 14.332 $\pm$ 0.023 χ^2 /NDF: 747899.7/30

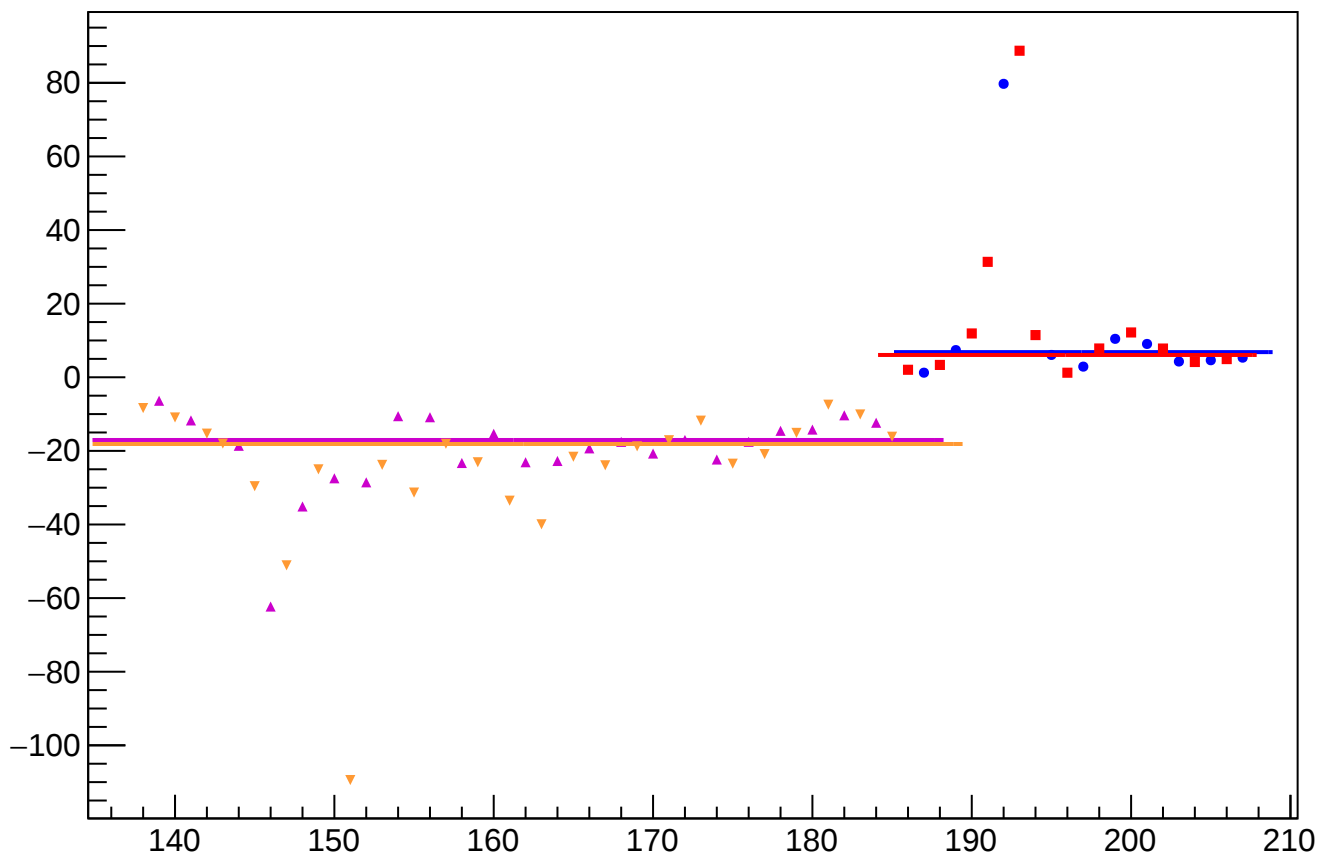
Left In: -2.959 $\pm$ 0.011 χ^2 /NDF: 763000.9/22

+ sign 1.078 $\pm$ 0.010 χ^2 /NDF: 2046131.8/51

All: 0.670 $\pm$ 0.007 χ^2 /NDF: 4020460.5/105

- sign 0.261 $\pm$ 0.010 χ^2 /NDF: 1970938.6/53

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 6.836+/-0.064 χ^2/NDF : 25198.6/9

Left Out: -18.128+/-0.039 χ^2/NDF : 88551.6/24

Right Out: 6.061+/-0.060 χ^2/NDF : 25805.9/11

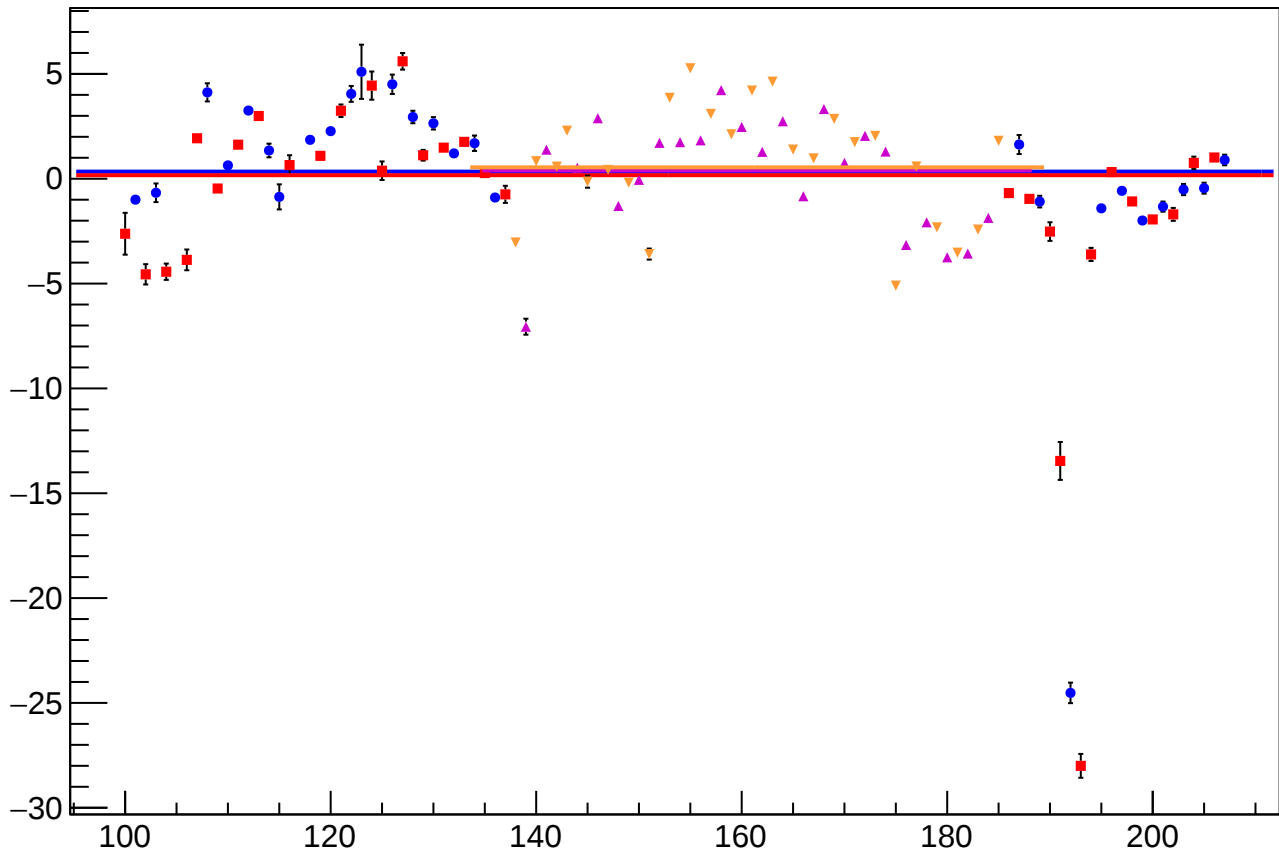
Left In: -17.038+/-0.038 χ^2/NDF : 44141.1/22

+ sign -11.371+/-0.033 χ^2/NDF : 225153.4/34

All: -10.861+/-0.023 χ^2/NDF : 401180.1/69

- sign -10.382+/-0.032 χ^2/NDF : 175570.2/34

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.340 ± 0.049 χ^2/NDF : 3826.5/26

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.169 ± 0.046 χ^2/NDF : 4264.3/30

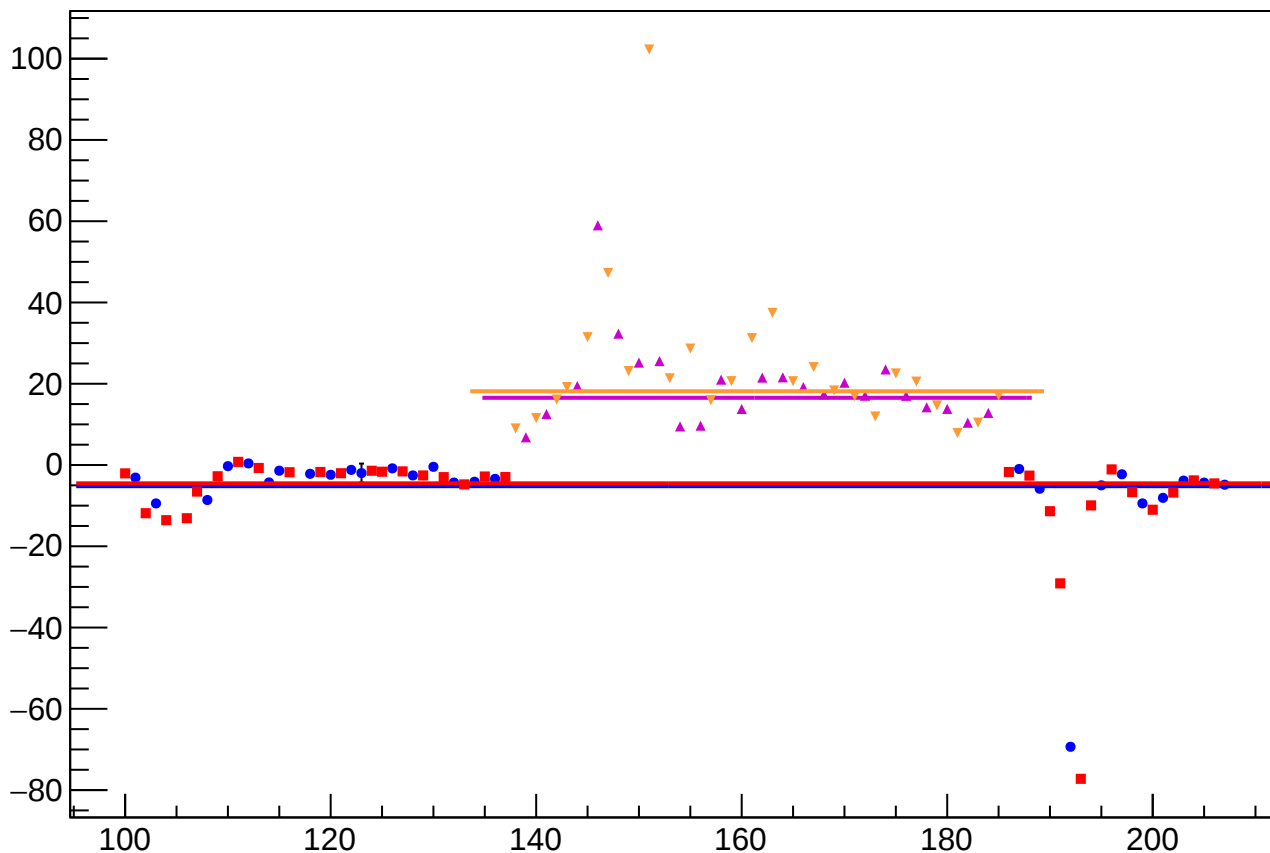
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.481 ± 0.027 χ^2/NDF : 10923.8/51

All: 0.400 ± 0.019 χ^2/NDF : 21458.0/105

- sign 0.327 ± 0.026 χ^2/NDF : 10517.0/53

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.211 ± 0.051 χ^2/NDF : 26660.2/26

Left Out: 18.150 ± 0.039 χ^2/NDF : 77847.8/24

Right Out: -4.510 ± 0.046 χ^2/NDF : 27651.1/30

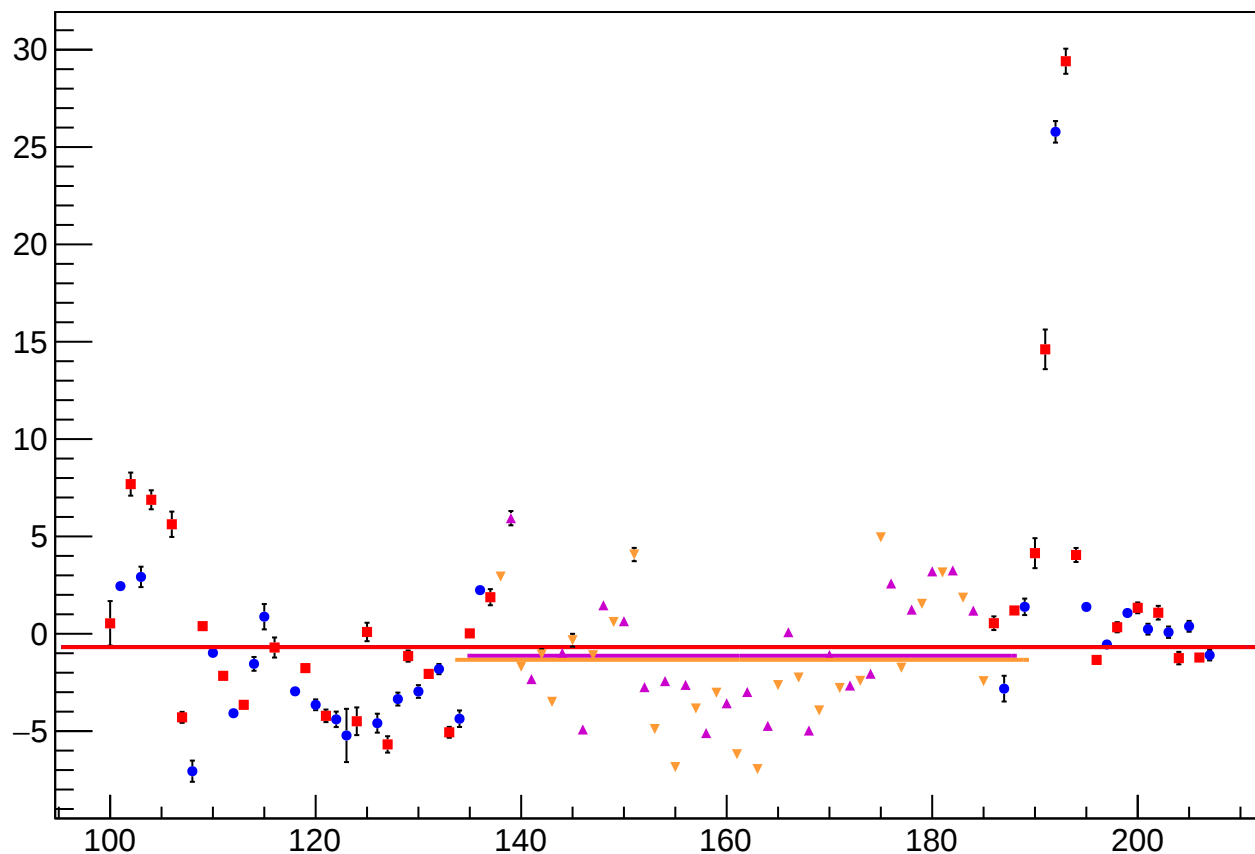
Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

+ sign 9.571 ± 0.031 χ^2/NDF : 235643.9/51

All: 8.763 ± 0.021 χ^2/NDF : 430792.6/105

- sign 8.052 ± 0.029 χ^2/NDF : 193880.7/53

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.682 ± 0.057 χ^2/NDF : 3914.9/26

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.685 ± 0.054 χ^2/NDF : 4474.8/30

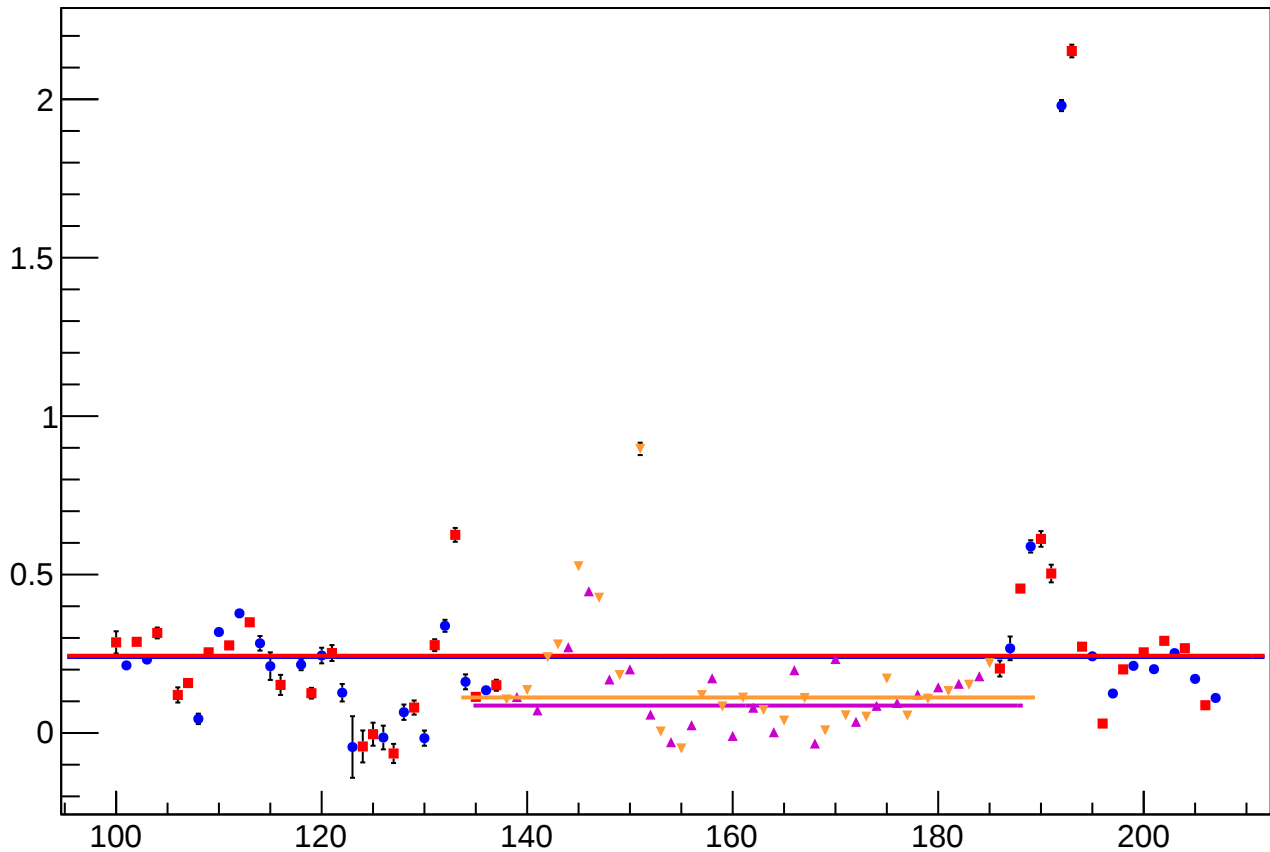
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.149 ± 0.030 χ^2/NDF : 11953.8/51

All: -1.071 ± 0.021 χ^2/NDF : 23230.4/105

- sign -1.001 ± 0.029 χ^2/NDF : 11264.0/53

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.240 ± 0.002 χ^2/NDF : 11378.4/26

Left Out: 0.112 ± 0.002 χ^2/NDF : 4503.9/24

Right Out: 0.244 ± 0.002 χ^2/NDF : 11884.9/30

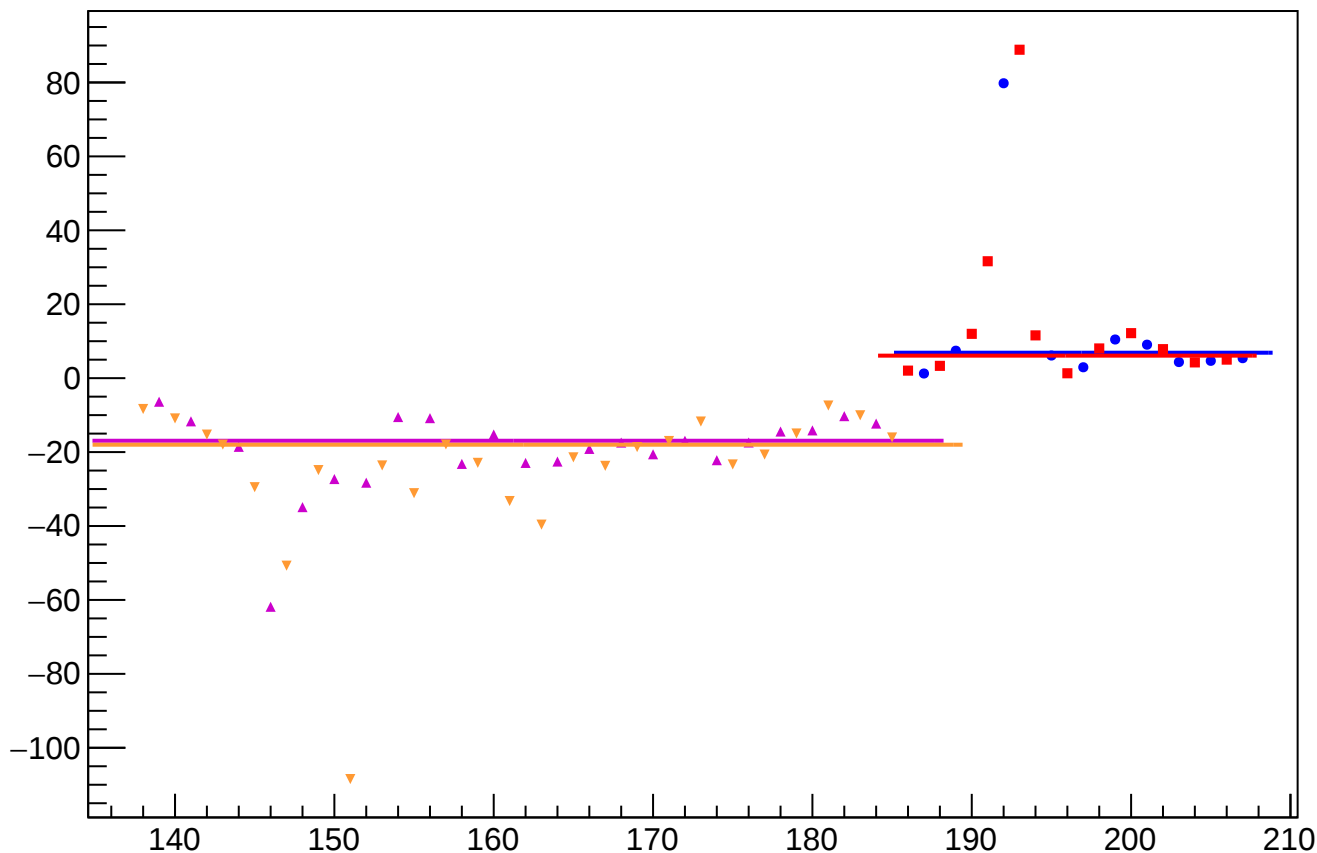
Left In: 0.087 ± 0.002 χ^2/NDF : 3655.4/22

+ sign 0.149 ± 0.001 χ^2/NDF : 17733.3/51

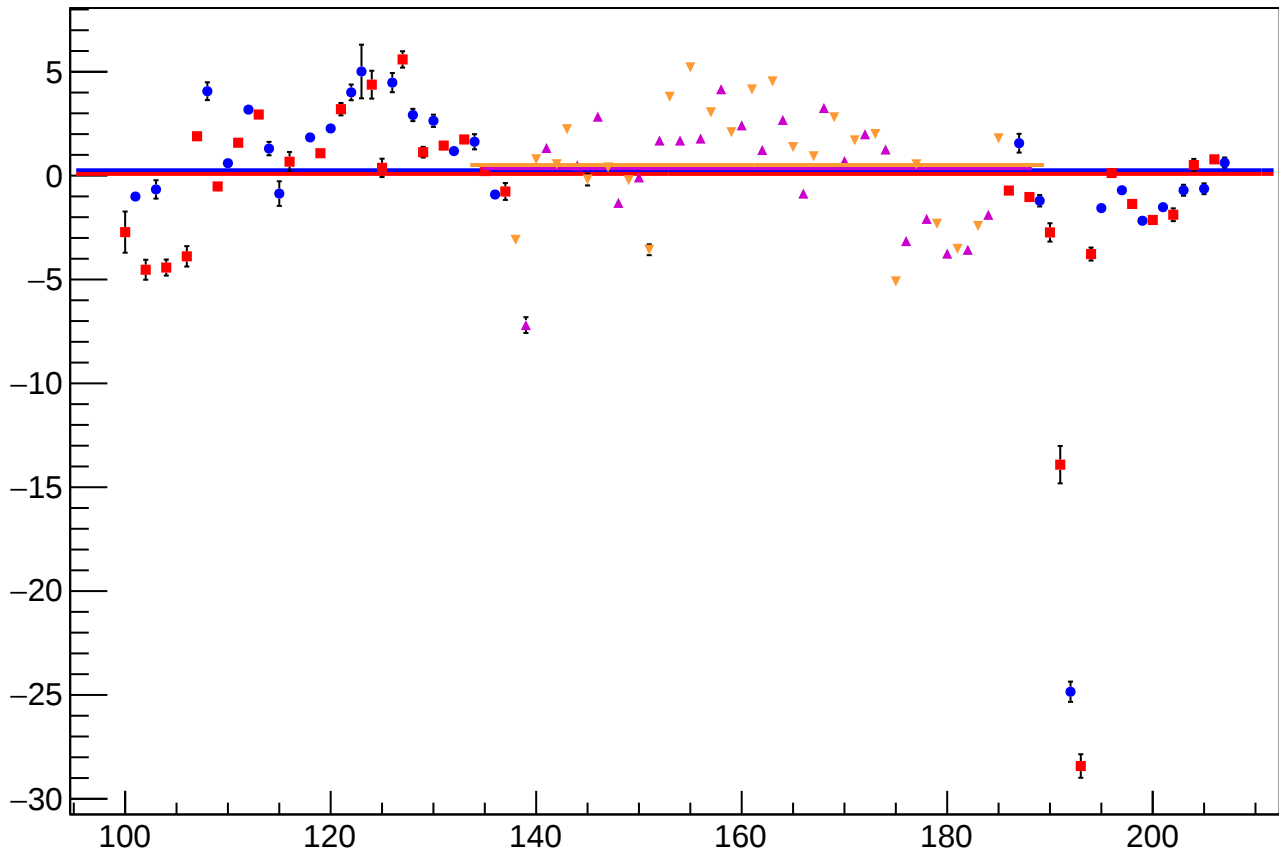
All: 0.139 ± 0.001 χ^2/NDF : 36437.7/105

- sign 0.130 ± 0.001 χ^2/NDF : 18599.6/53

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.258 ± 0.049 χ^2/NDF : 3959.7/26

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.085 ± 0.046 χ^2/NDF : 4423.7/30

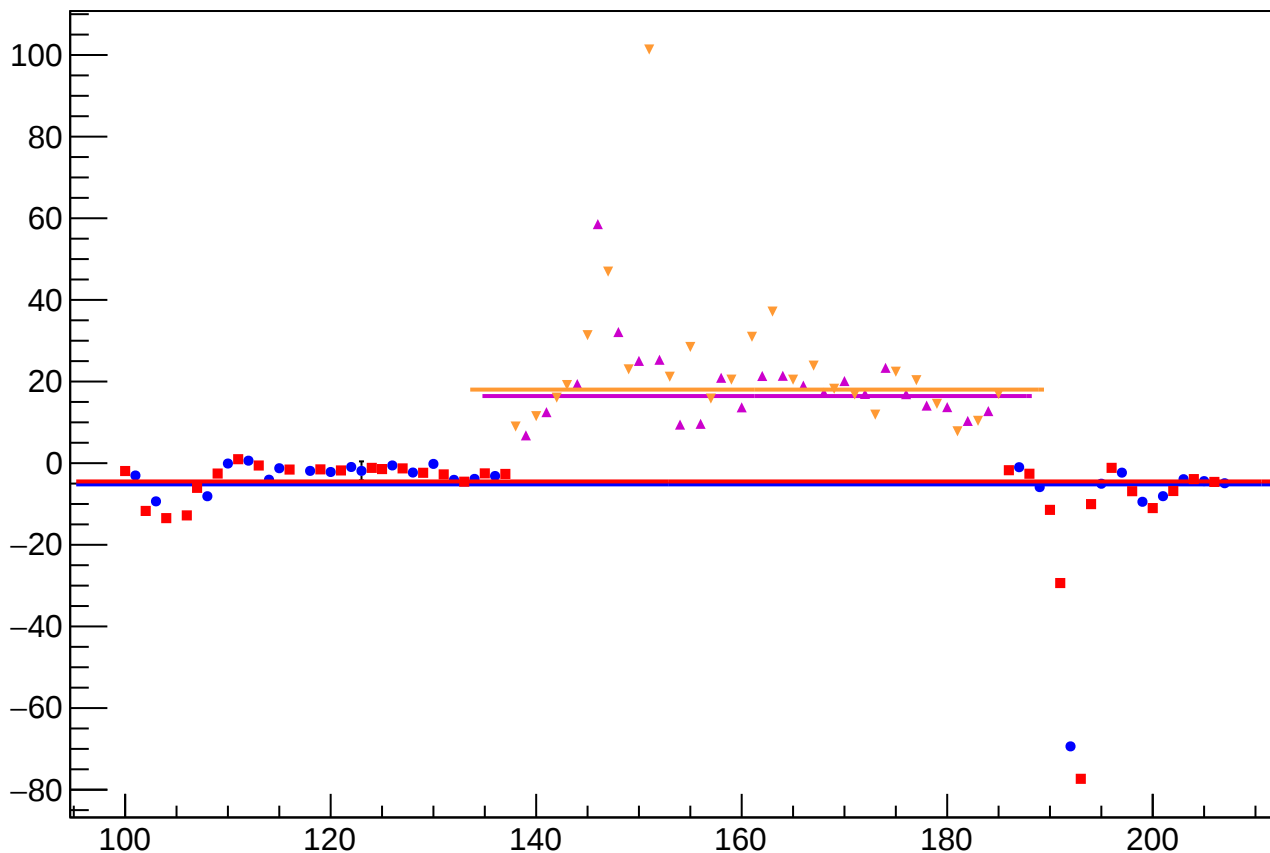
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.435 ± 0.027 χ^2/NDF : 11049.0/51

All: 0.350 ± 0.018 χ^2/NDF : 21737.3/105

- sign 0.275 ± 0.025 χ^2/NDF : 10669.8/53

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.196 ± 0.051 $\chi^2/\text{NDF}: 26974.9/26$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -4.478 ± 0.046 $\chi^2/\text{NDF}: 28118.3/30$

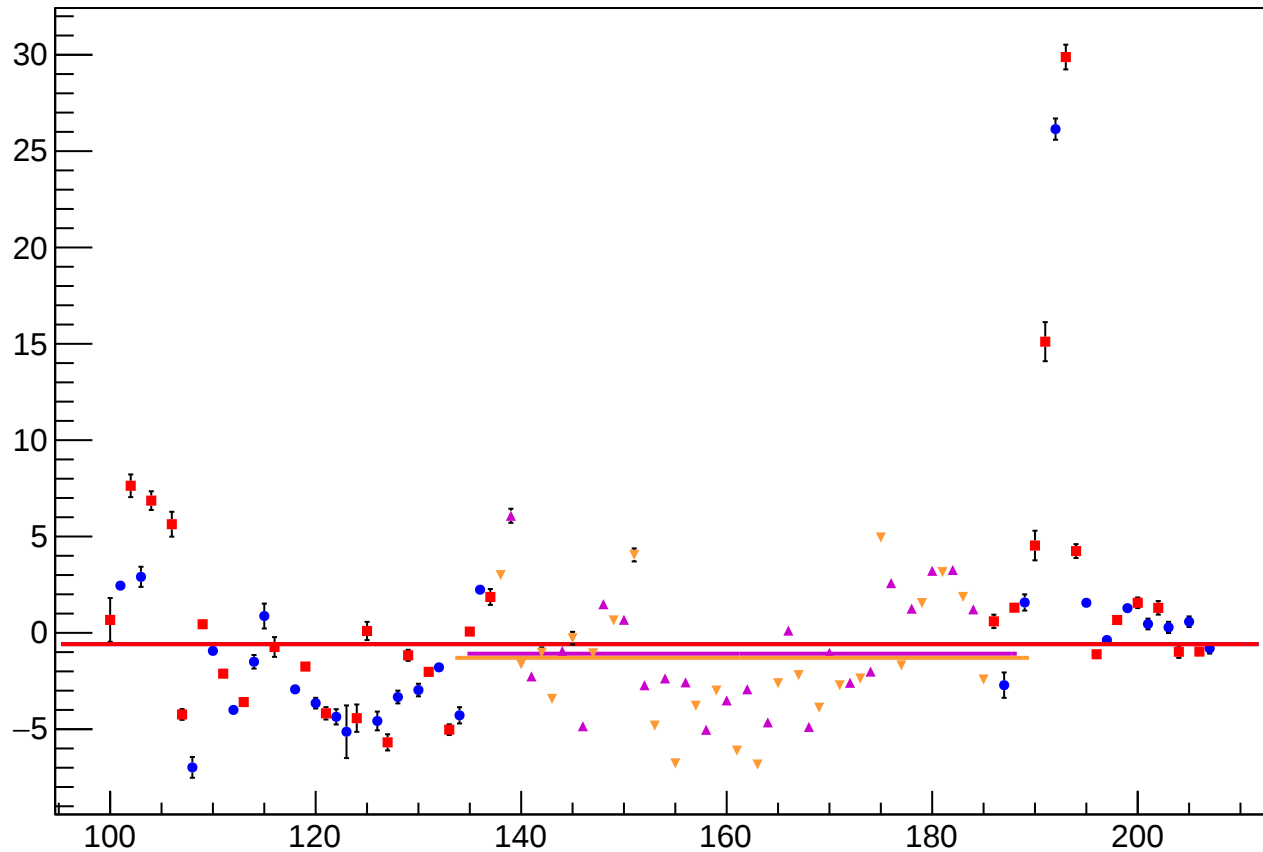
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 9.523 ± 0.031 $\chi^2/\text{NDF}: 235732.9/51$

All: 8.711 ± 0.021 $\chi^2/\text{NDF}: 431492.3/105$

- sign 7.999 ± 0.029 $\chi^2/\text{NDF}: 194464.1/53$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.586 ± 0.056 $\chi^2/\text{NDF}: 4025.0/26$

Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7925.1/24$

Right Out: -0.587 ± 0.053 $\chi^2/\text{NDF}: 4625.0/30$

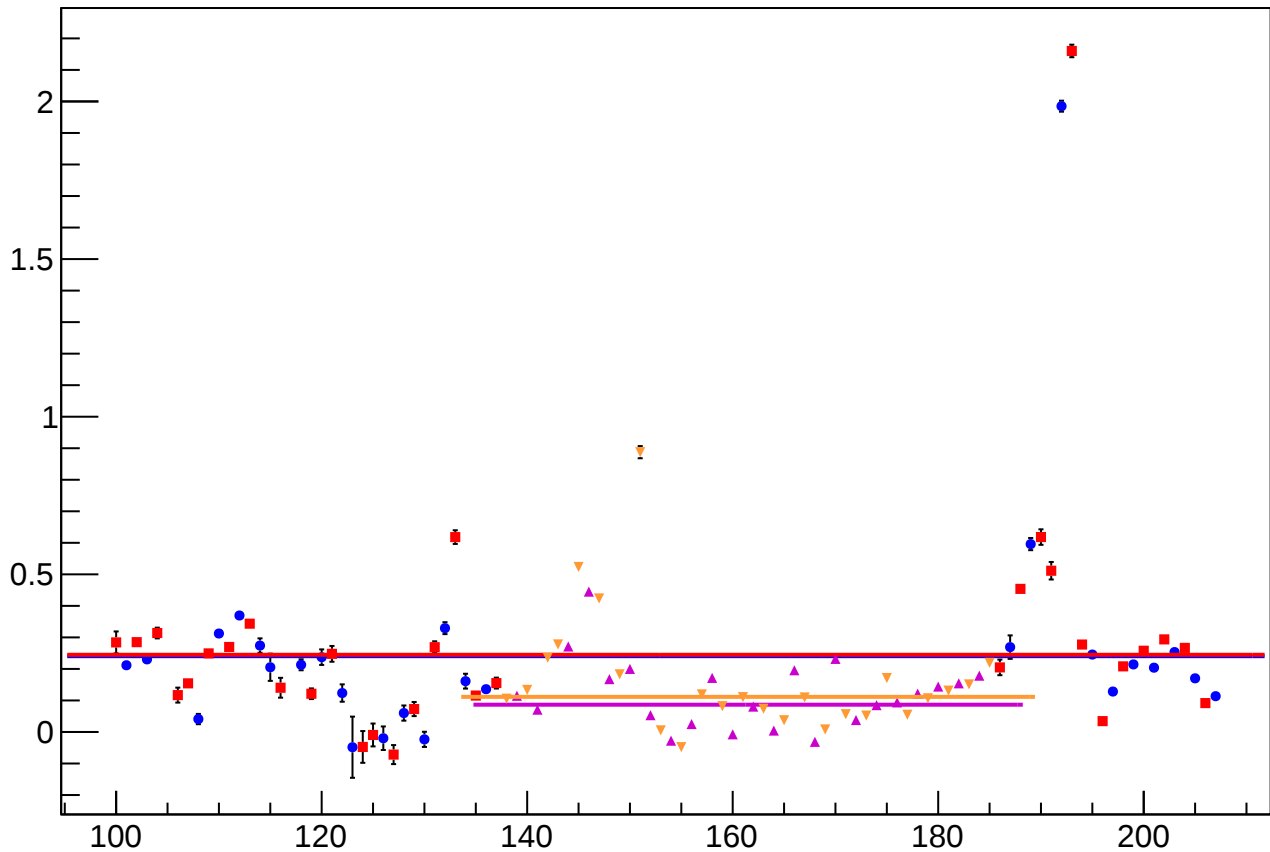
Left In: -1.082 ± 0.034 $\chi^2/\text{NDF}: 6724.1/22$

+ sign -1.094 ± 0.030 $\chi^2/\text{NDF}: 12063.8/51$

All: -1.012 ± 0.021 $\chi^2/\text{NDF}: 23488.1/105$

- sign -0.939 ± 0.029 $\chi^2/\text{NDF}: 11410.5/53$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.240 ± 0.002 $\chi^2/\text{NDF}: 11501.9/26$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4496.0/24$

Right Out: 0.245 ± 0.002 $\chi^2/\text{NDF}: 12012.5/30$

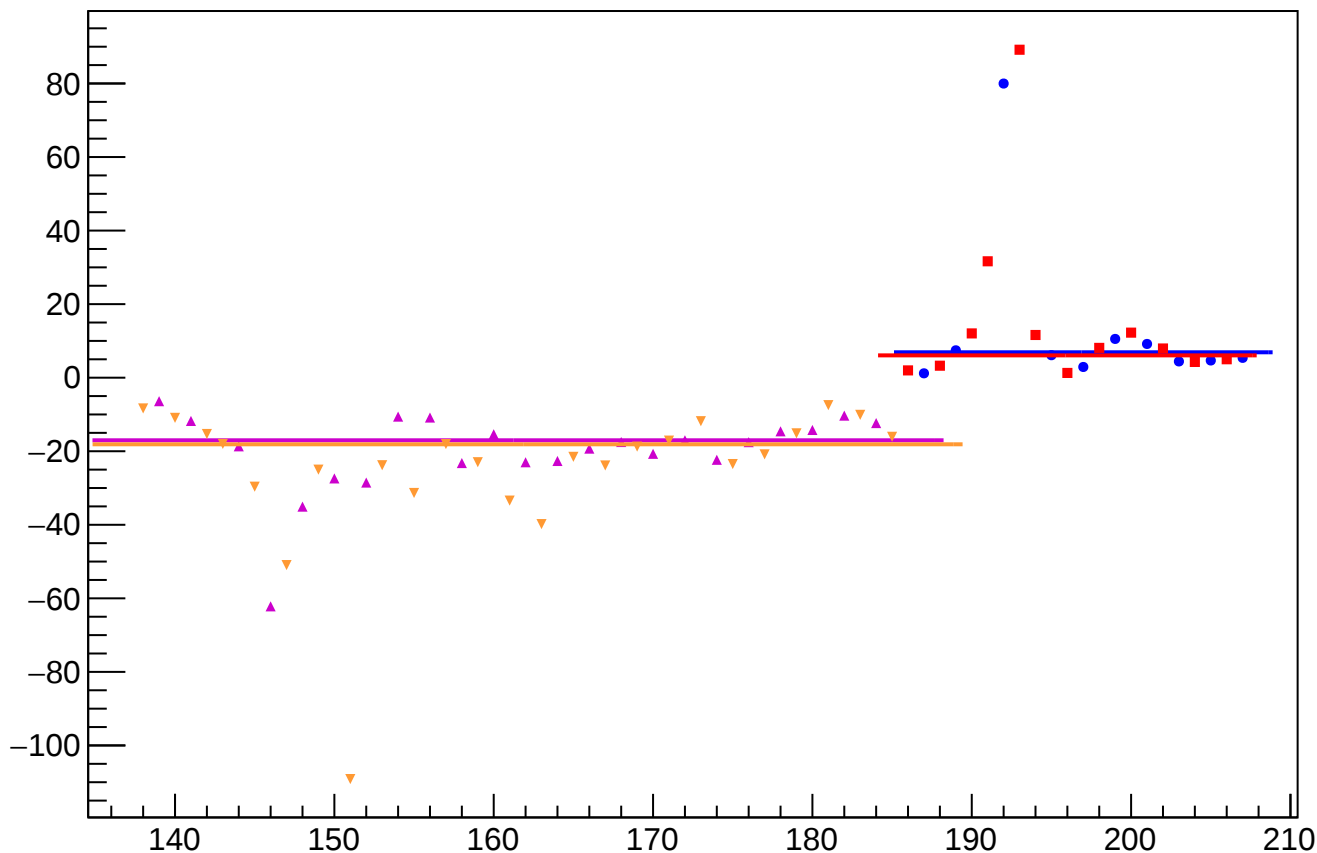
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3625.5/22$

+ sign 0.149 ± 0.001 $\chi^2/\text{NDF}: 17904.6/51$

All: 0.139 ± 0.001 $\chi^2/\text{NDF}: 36773.1/105$

- sign 0.131 ± 0.001 $\chi^2/\text{NDF}: 18769.5/53$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 6.905 ± 0.064 $\chi^2/\text{NDF}: 25367.2/9$

Left Out: -18.112 ± 0.039 $\chi^2/\text{NDF}: 88529.7/24$

Right Out: 6.069 ± 0.060 $\chi^2/\text{NDF}: 26181.2/11$

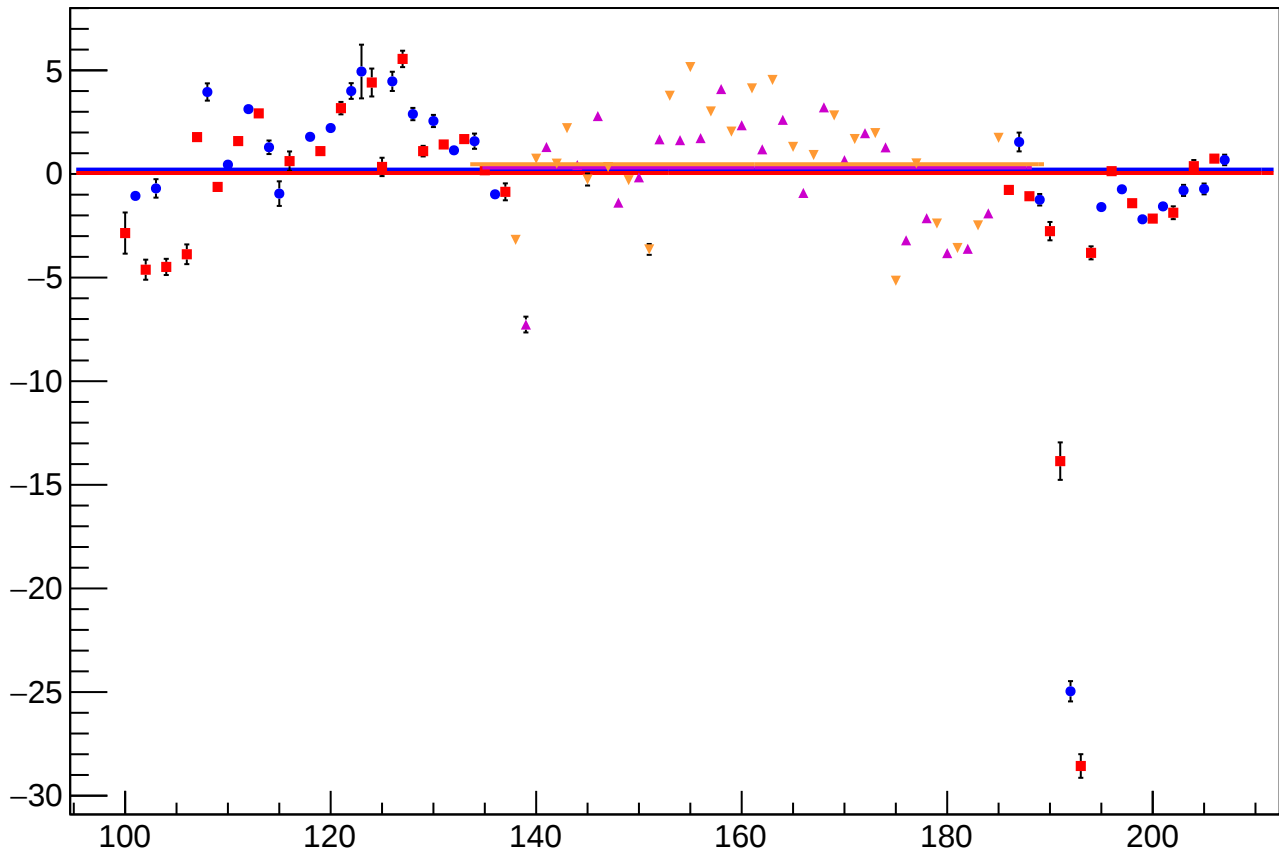
Left In: -17.024 ± 0.038 $\chi^2/\text{NDF}: 44141.8/22$

+ sign -11.389 ± 0.033 $\chi^2/\text{NDF}: 225591.5/34$

All: -10.855 ± 0.023 $\chi^2/\text{NDF}: 402784.1/69$

- sign -10.355 ± 0.032 $\chi^2/\text{NDF}: 176690.8/34$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.210 ± 0.049 χ^2/NDF : 3947.4/26

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.047 ± 0.046 χ^2/NDF : 4416.2/30

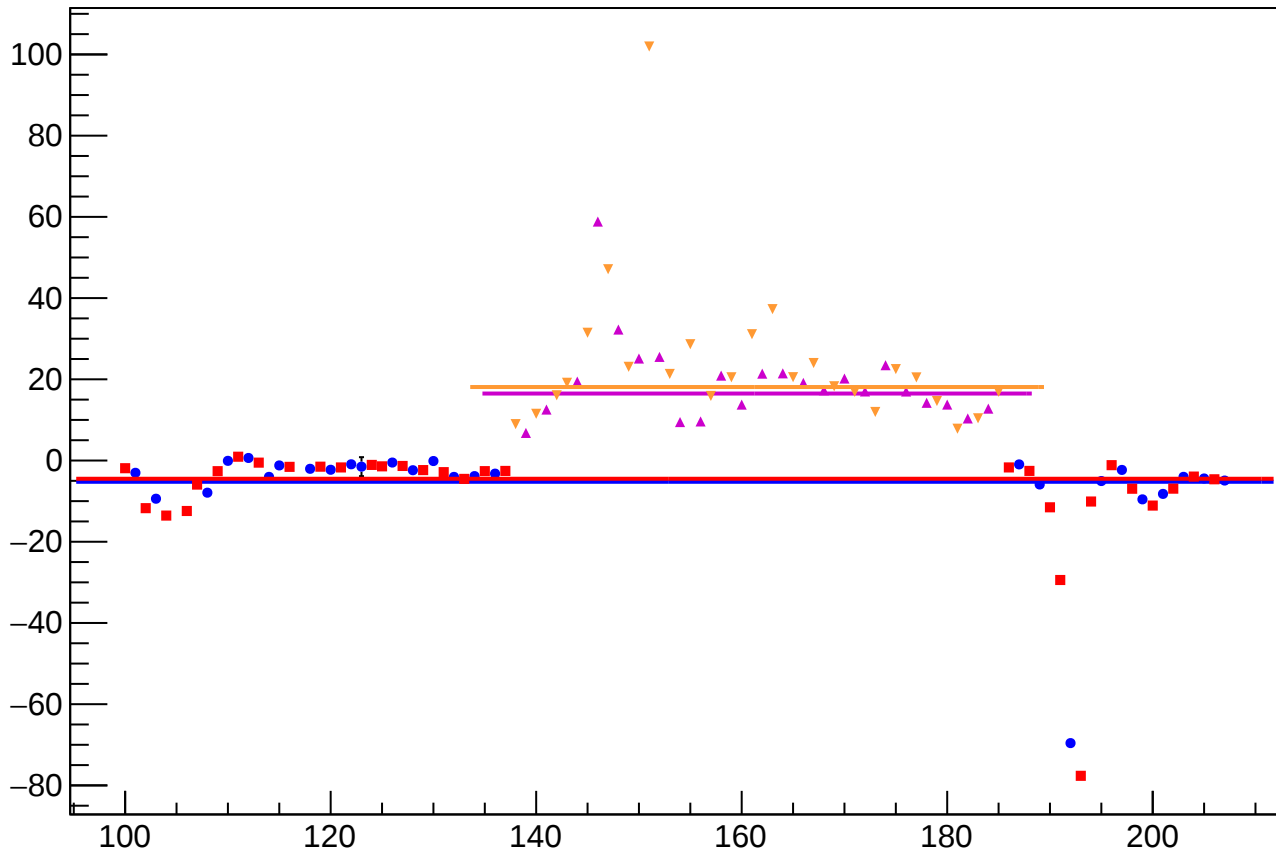
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.390 ± 0.027 χ^2/NDF : 11059.9/51

All: 0.305 ± 0.019 χ^2/NDF : 21700.9/105

- sign 0.229 ± 0.025 χ^2/NDF : 10622.1/53

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -5.233 ± 0.051 χ^2/NDF : 26973.1/26

Left Out: 18.101 ± 0.039 χ^2/NDF : 77839.7/24

Right Out: -4.489 ± 0.046 χ^2/NDF : 28135.7/30

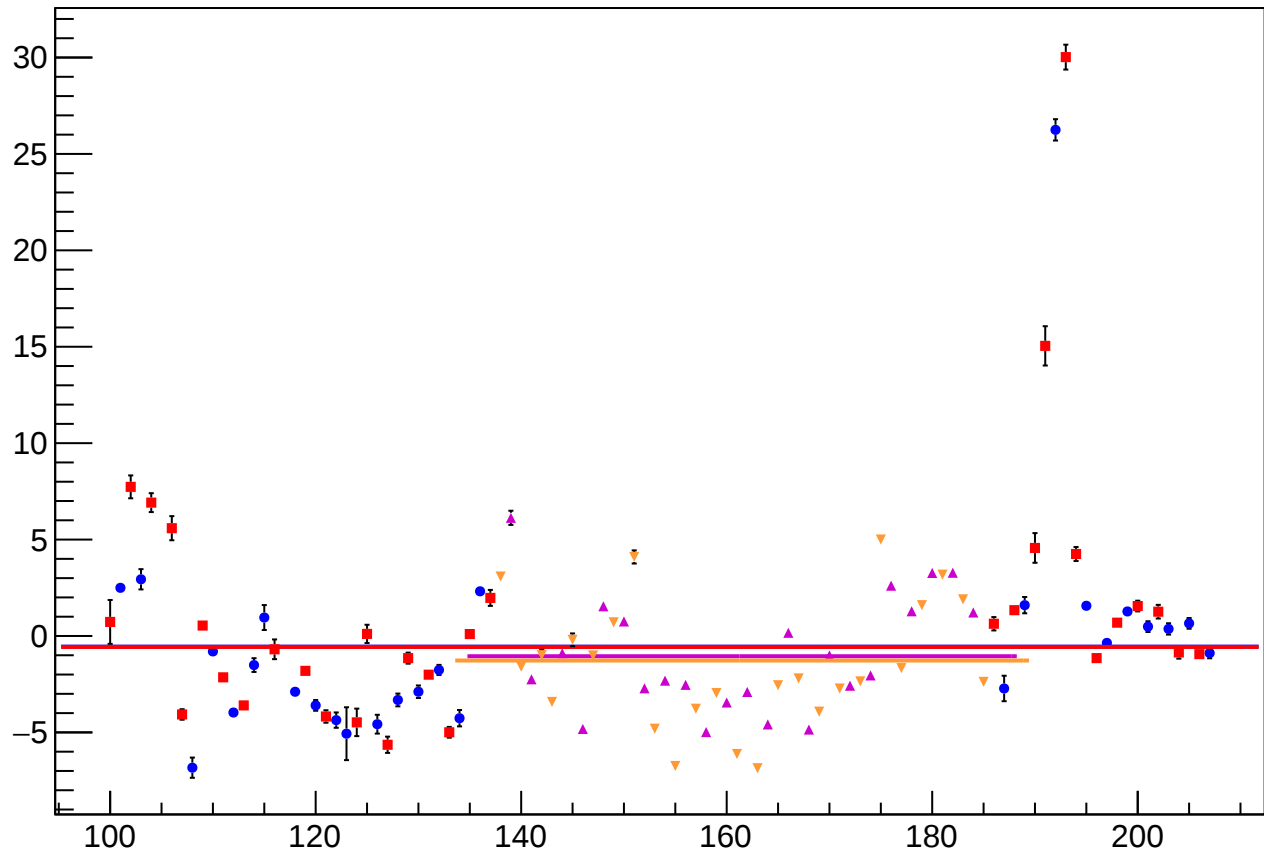
Left In: 16.496 ± 0.038 χ^2/NDF : 40867.3/22

+ sign 9.580 ± 0.031 χ^2/NDF : 235603.6/51

All: 8.748 ± 0.021 χ^2/NDF : 431420.4/105

- sign 8.019 ± 0.029 χ^2/NDF : 194469.4/53

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.553 ± 0.057 χ^2/NDF : 4016.7/26

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.567 ± 0.053 χ^2/NDF : 4621.3/30

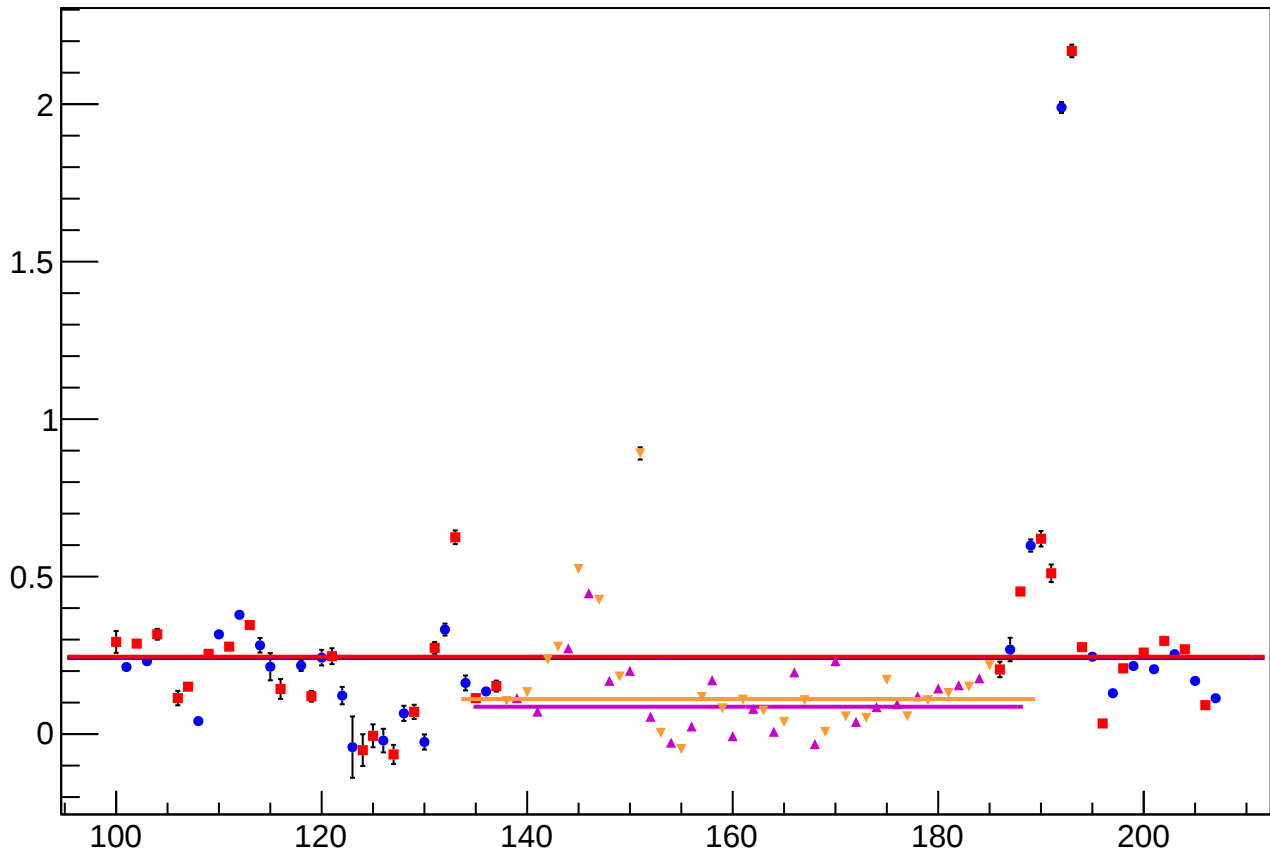
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.067 ± 0.030 χ^2/NDF : 12083.9/51

All: -0.985 ± 0.021 χ^2/NDF : 23450.7/105

- sign -0.911 ± 0.029 χ^2/NDF : 11352.9/53

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.242 $\pm$ 0.003 χ^2 /NDF: 11495.5/26

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF:4474.5/24

Right Out: 0.246 $\pm$ 0.002 χ^2 /NDF: 12028.2/30

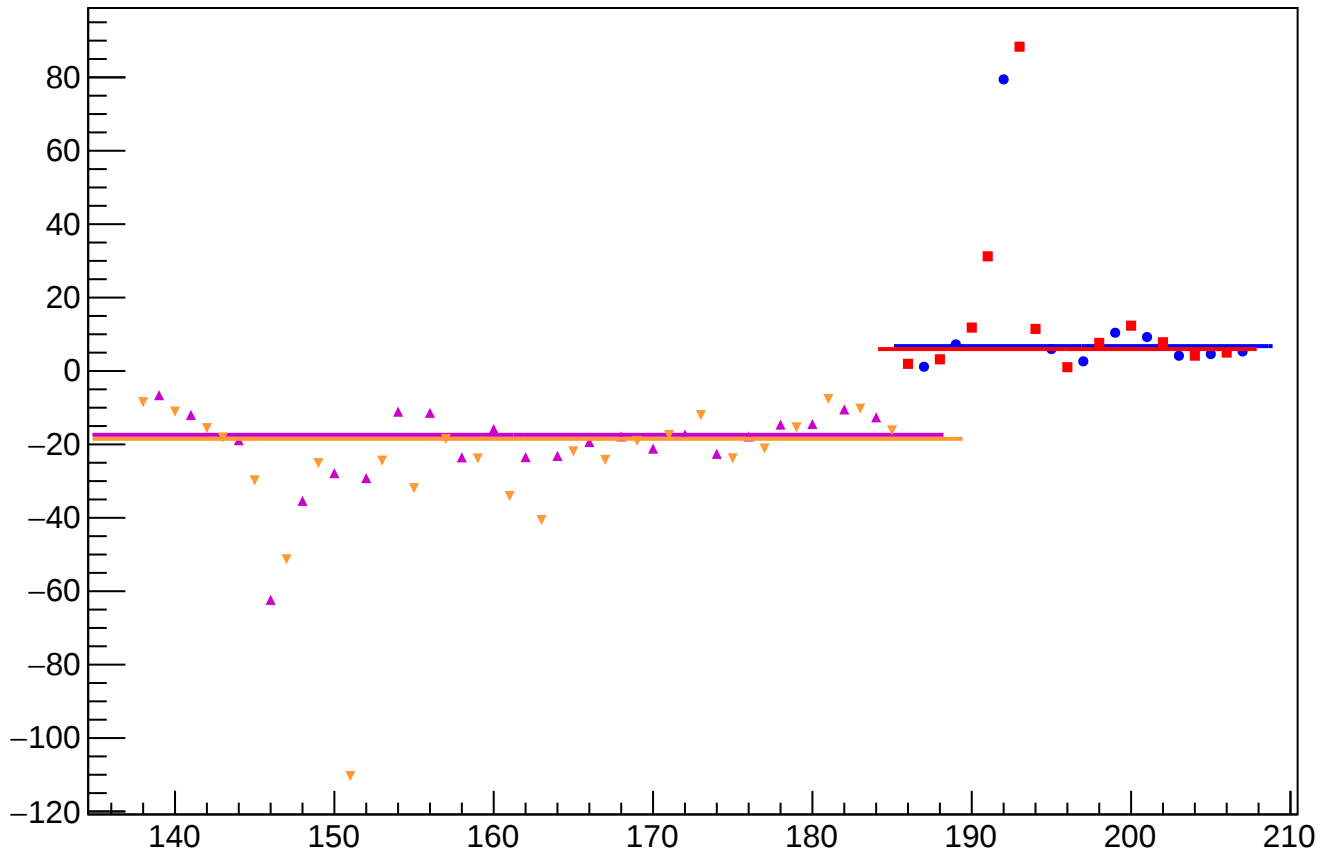
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF:3598.5/22

+ sign 0.149 $\pm$ 0.001 χ^2 /NDF: 17904.6/51

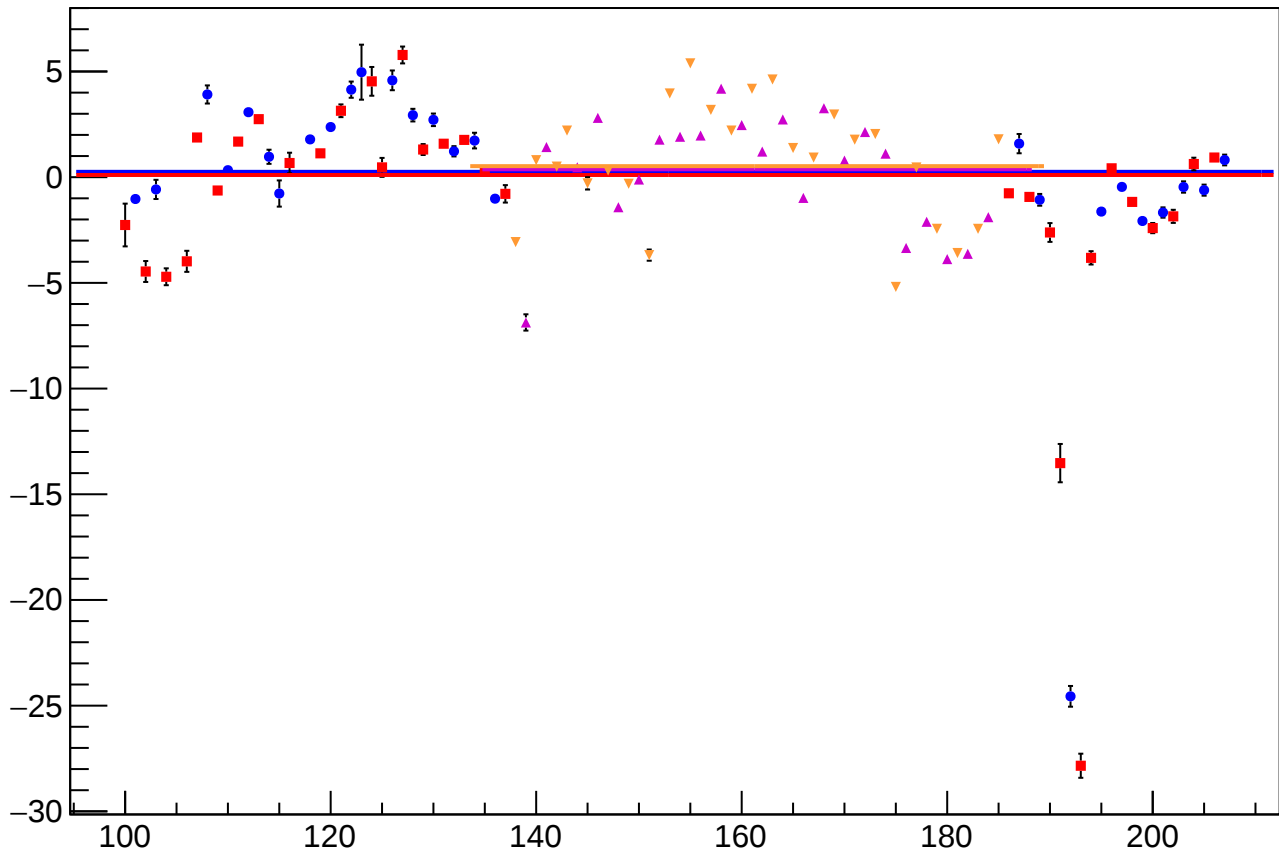
All: 0.140 $\pm$ 0.001 χ^2 /NDF: 36754.8/105

- sign 0.131 $\pm$ 0.001 χ^2 /NDF: 18754.7/53

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.253 ± 0.050 χ^2/NDF : 3816.8/26

Left Out: 0.522 ± 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.104 ± 0.047 χ^2/NDF : 4259.9/30

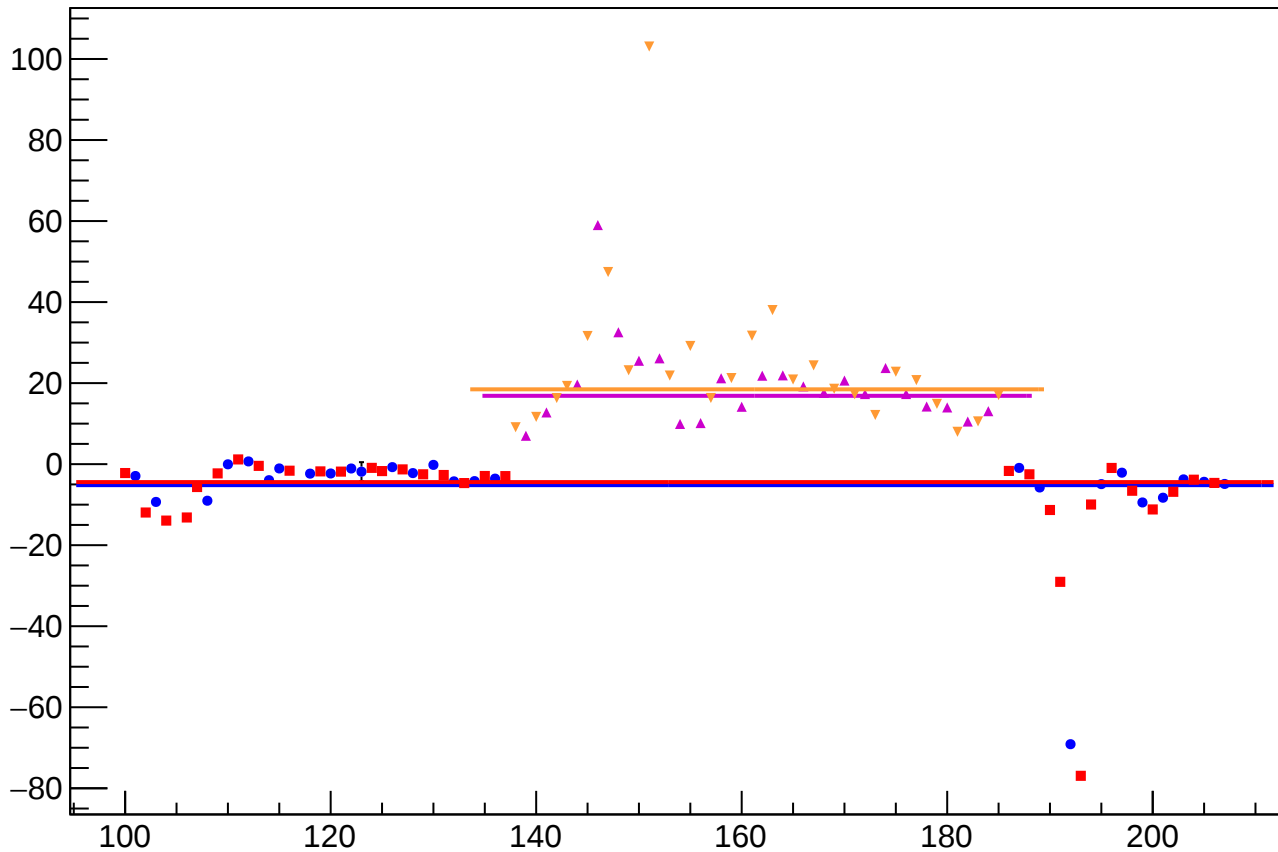
Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

+ sign 0.439 ± 0.027 χ^2/NDF : 10892.2/51

All: 0.360 ± 0.019 χ^2/NDF : 21408.0/105

- sign 0.288 ± 0.026 χ^2/NDF : 10499.9/53

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.183 ± 0.052 χ^2/NDF : 26527.9/26

Left Out: 18.467 ± 0.040 χ^2/NDF : 77226.7/24

Right Out: -4.429 ± 0.046 χ^2/NDF : 27641.2/30

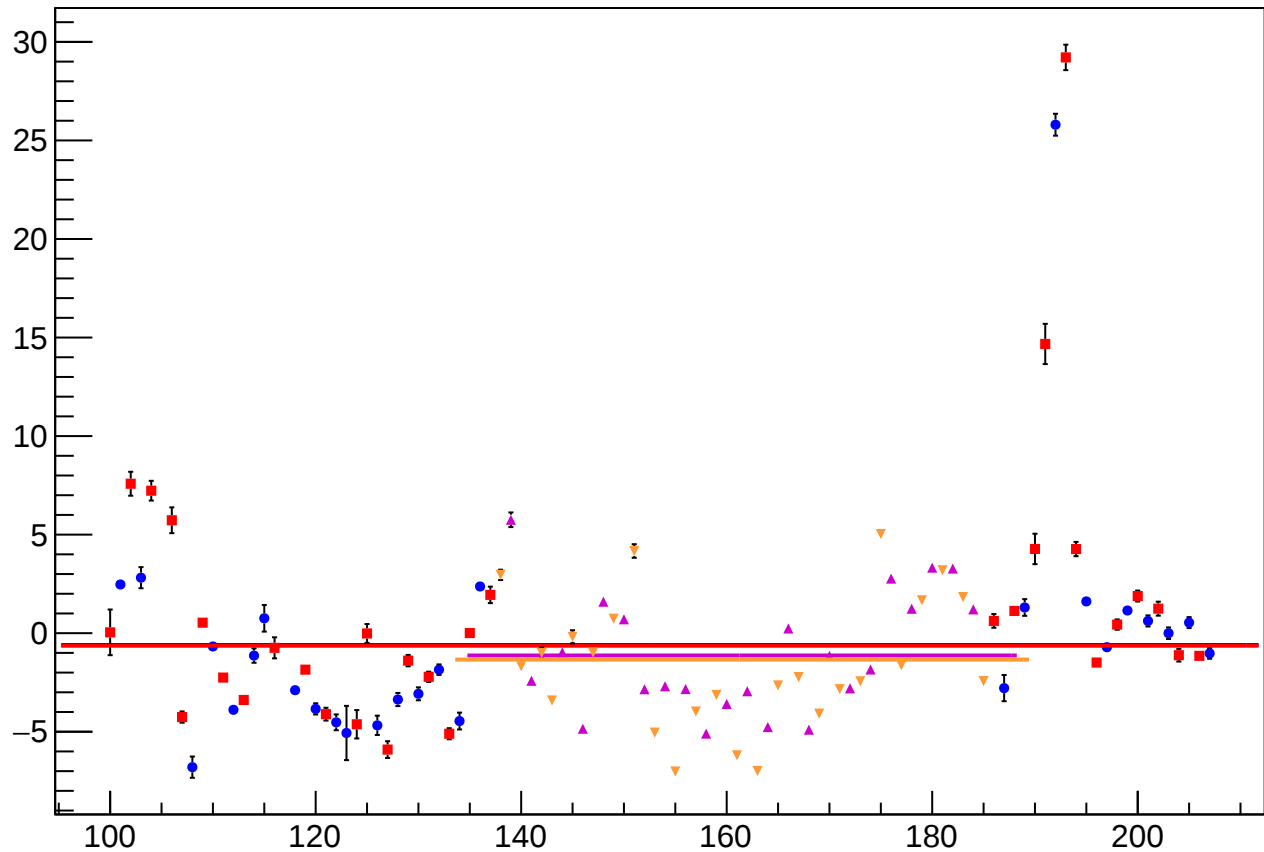
Left In: 16.867 ± 0.039 χ^2/NDF : 39779.0/22

+ sign 9.660 ± 0.032 χ^2/NDF : 234688.3/51

All: 8.824 ± 0.022 χ^2/NDF : 429055.4/105

- sign 8.092 ± 0.030 χ^2/NDF : 193054.7/53

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.600 ± 0.057 χ^2/NDF : 3901.5/26

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.635 ± 0.054 χ^2/NDF : 4468.5/30

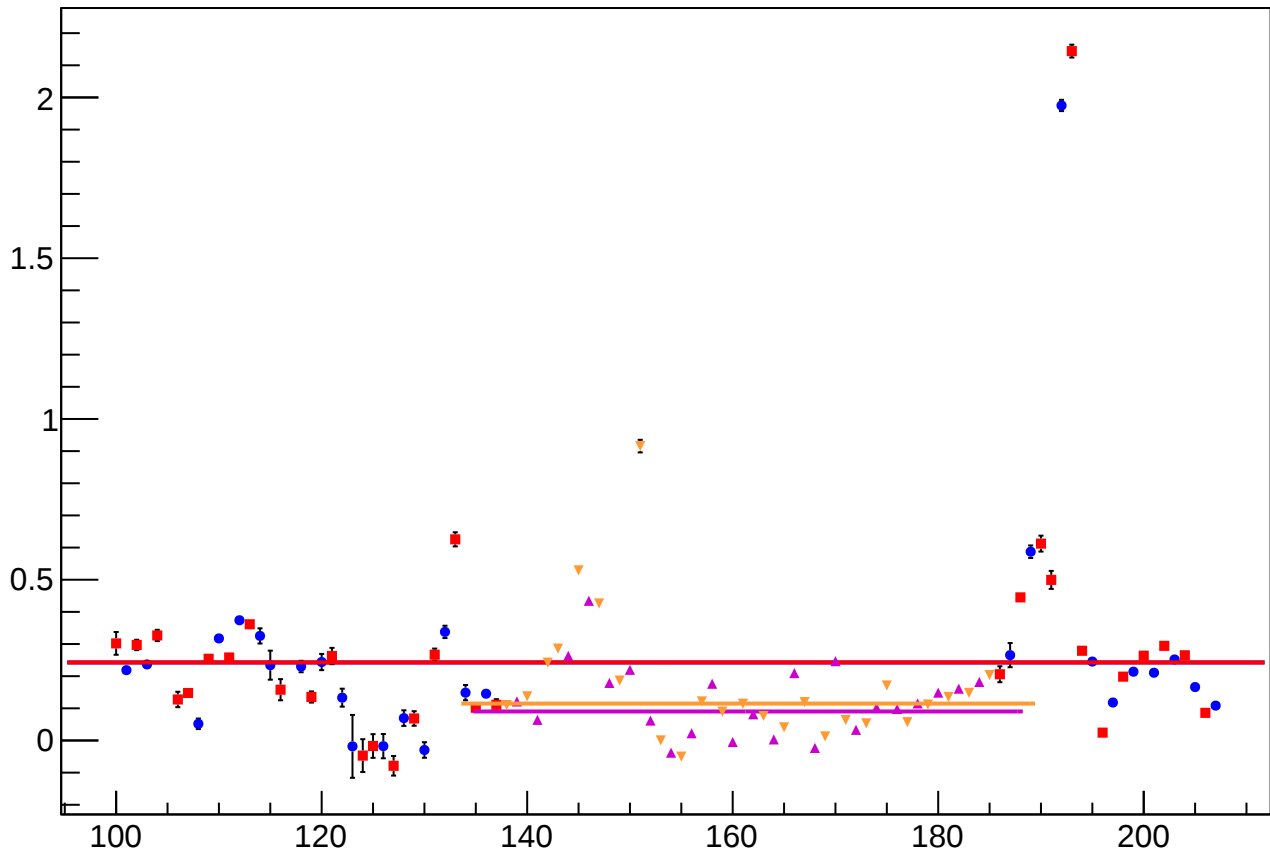
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.126 ± 0.031 χ^2/NDF : 11927.2/51

All: -1.053 ± 0.021 χ^2/NDF : 23174.1/105

- sign -0.987 ± 0.029 χ^2/NDF : 11236.3/53

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.243 $\pm$ 0.003 χ^2 /NDF: 11254.8/26

Left Out: 0.115 $\pm$ 0.002 χ^2 /NDF:4431.9/24

Right Out: 0.243 $\pm$ 0.002 χ^2 /NDF: 11890.1/30

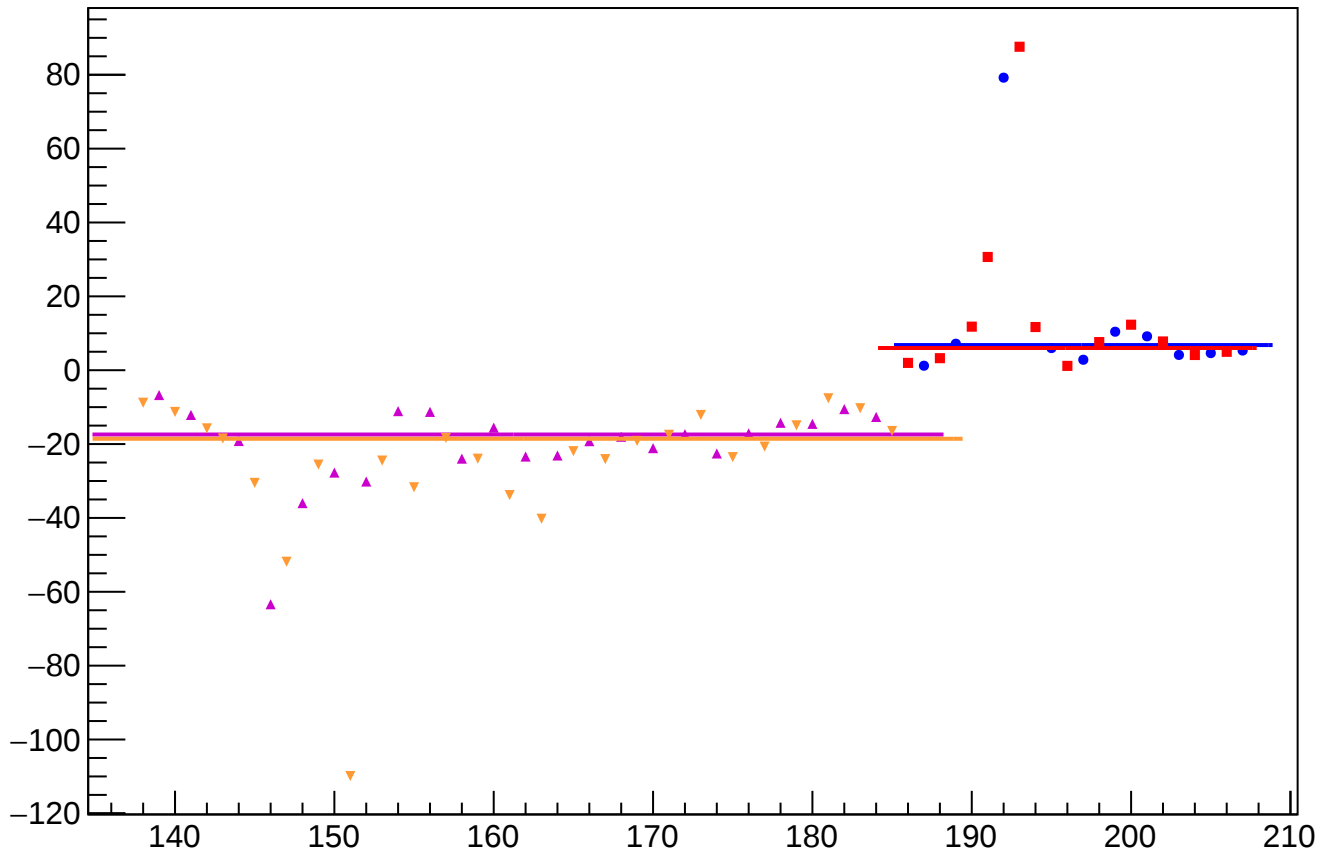
Left In: 0.090 $\pm$ 0.002 χ^2 /NDF:3676.5/22

+ sign 0.153 $\pm$ 0.001 χ^2 /NDF: 17491.8/51

All: 0.143 $\pm$ 0.001 χ^2 /NDF: 35960.2/105

- sign 0.134 $\pm$ 0.001 χ^2 /NDF: 18367.2/53

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 6.811 ± 0.065 $\chi^2/\text{NDF}: 24539.3/9$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 6.016 ± 0.061 $\chi^2/\text{NDF}: 25052.6/11$

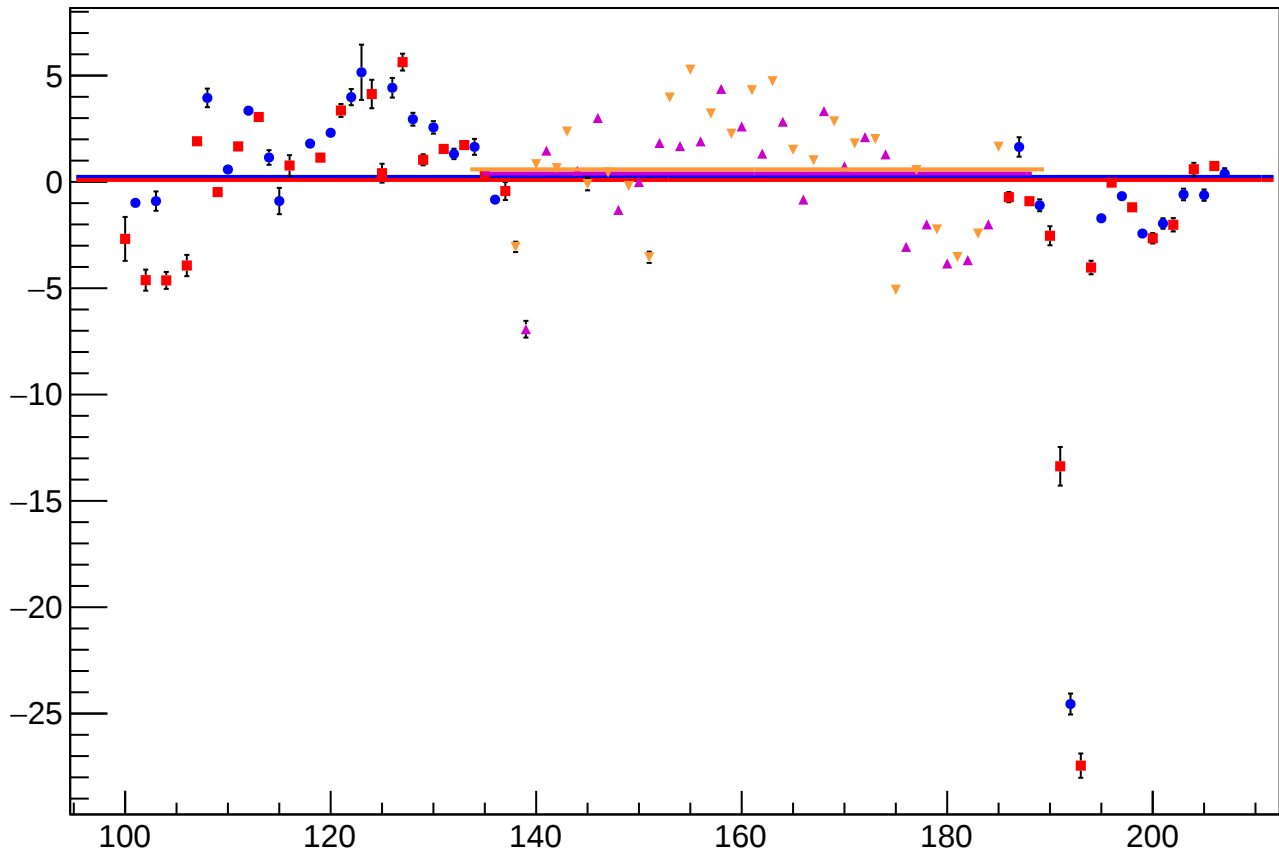
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -11.576 ± 0.034 $\chi^2/\text{NDF}: 221266.4/34$

All: -11.014 ± 0.024 $\chi^2/\text{NDF}: 395382.8/69$

- sign -10.490 ± 0.033 $\chi^2/\text{NDF}: 173592.9/34$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.234 ± 0.050 χ^2/NDF : 3857.5/26

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.091 ± 0.047 χ^2/NDF : 4212.5/30

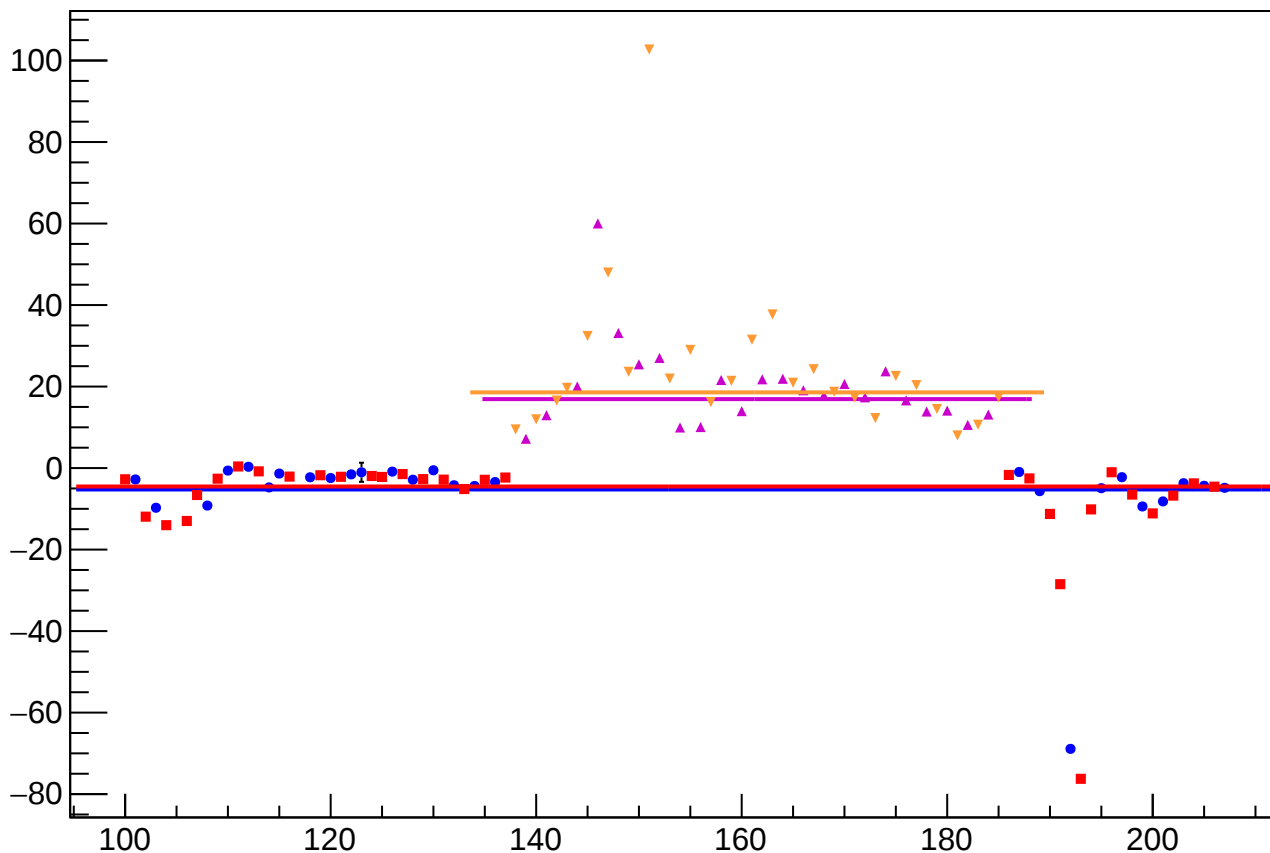
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.481 ± 0.028 χ^2/NDF : 10689.1/51

All: 0.386 ± 0.019 χ^2/NDF : 21012.4/105

- sign 0.300 ± 0.026 χ^2/NDF : 10300.7/53

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.246 ± 0.052 χ^2/NDF : 25841.8/26

Left Out: 18.573 ± 0.040 χ^2/NDF : 76029.9/24

Right Out: -4.520 ± 0.047 χ^2/NDF : 26744.9/30

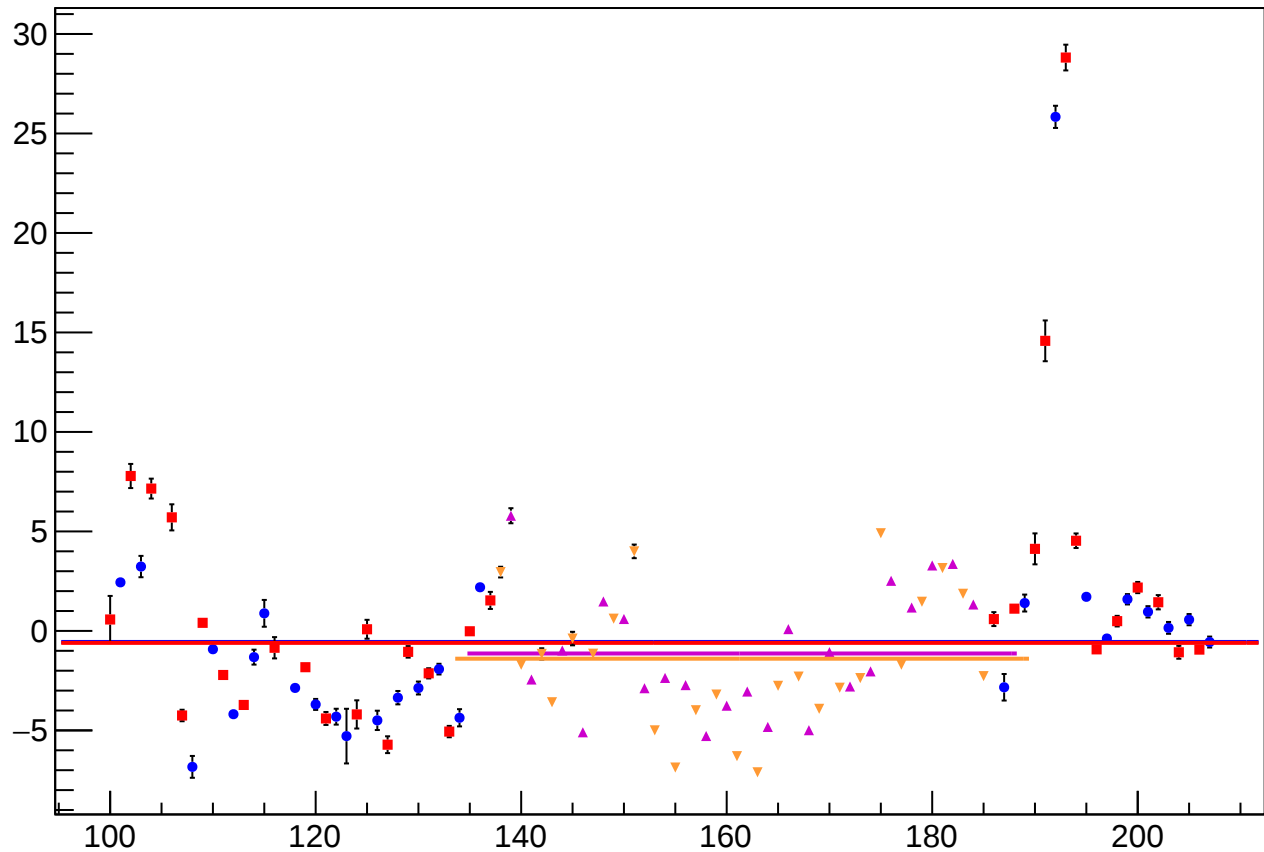
Left In: 16.919 ± 0.039 χ^2/NDF : 40154.5/22

+ sign 9.736 ± 0.032 χ^2/NDF : 231734.5/51

All: 8.888 ± 0.022 χ^2/NDF : 424225.0/105

- sign 8.145 ± 0.030 χ^2/NDF : 191167.4/53

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.555 ± 0.058 χ^2/NDF : 3898.7/26

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.601 ± 0.055 χ^2/NDF : 4407.2/30

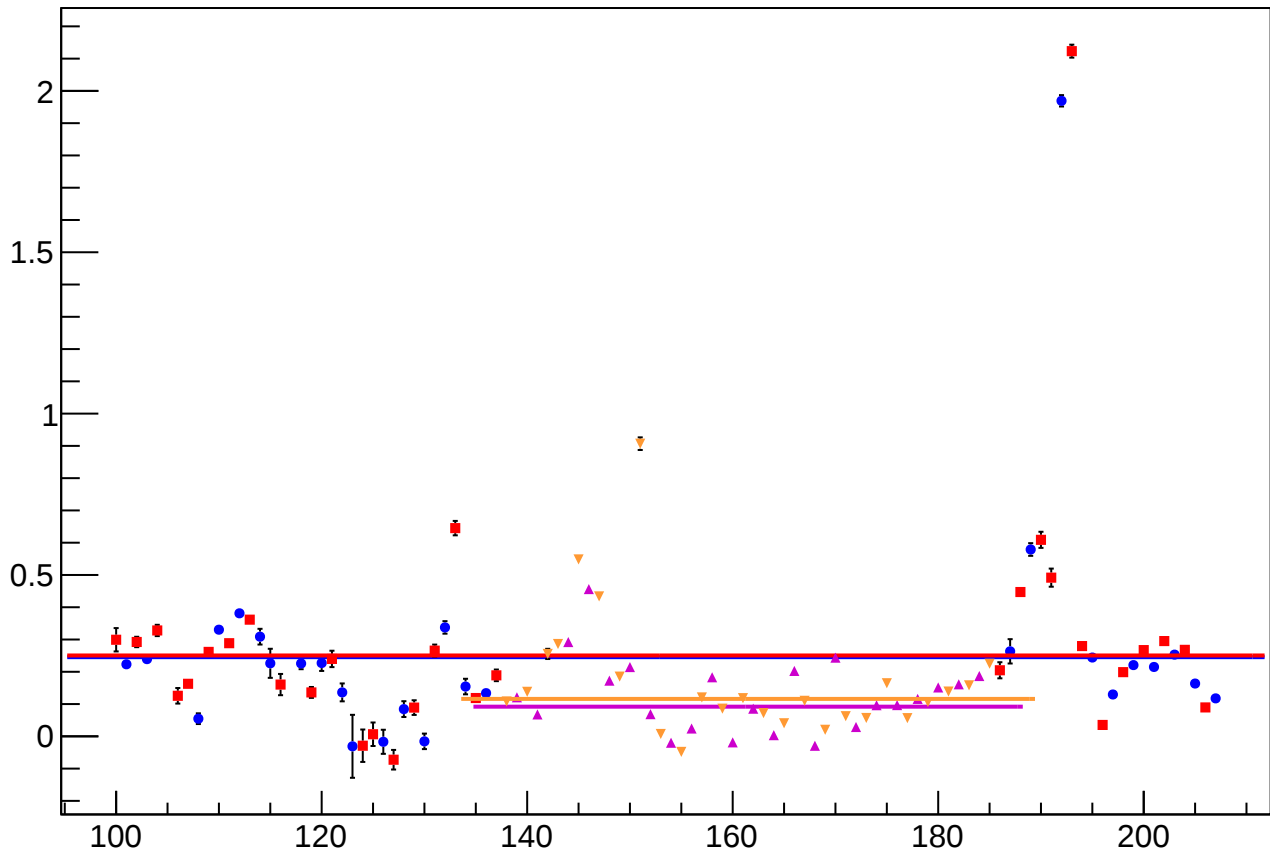
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.154 ± 0.031 χ^2/NDF : 11699.9/51

All: -1.062 ± 0.021 χ^2/NDF : 22787.9/105

- sign -0.980 ± 0.030 χ^2/NDF : 11071.6/53

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.245 $\pm$ 0.003 χ^2 /NDF: 10993.5/26

Left Out: 0.116 $\pm$ 0.002 χ^2 /NDF:4463.0/24

Right Out: 0.251 $\pm$ 0.002 χ^2 /NDF: 11368.6/30

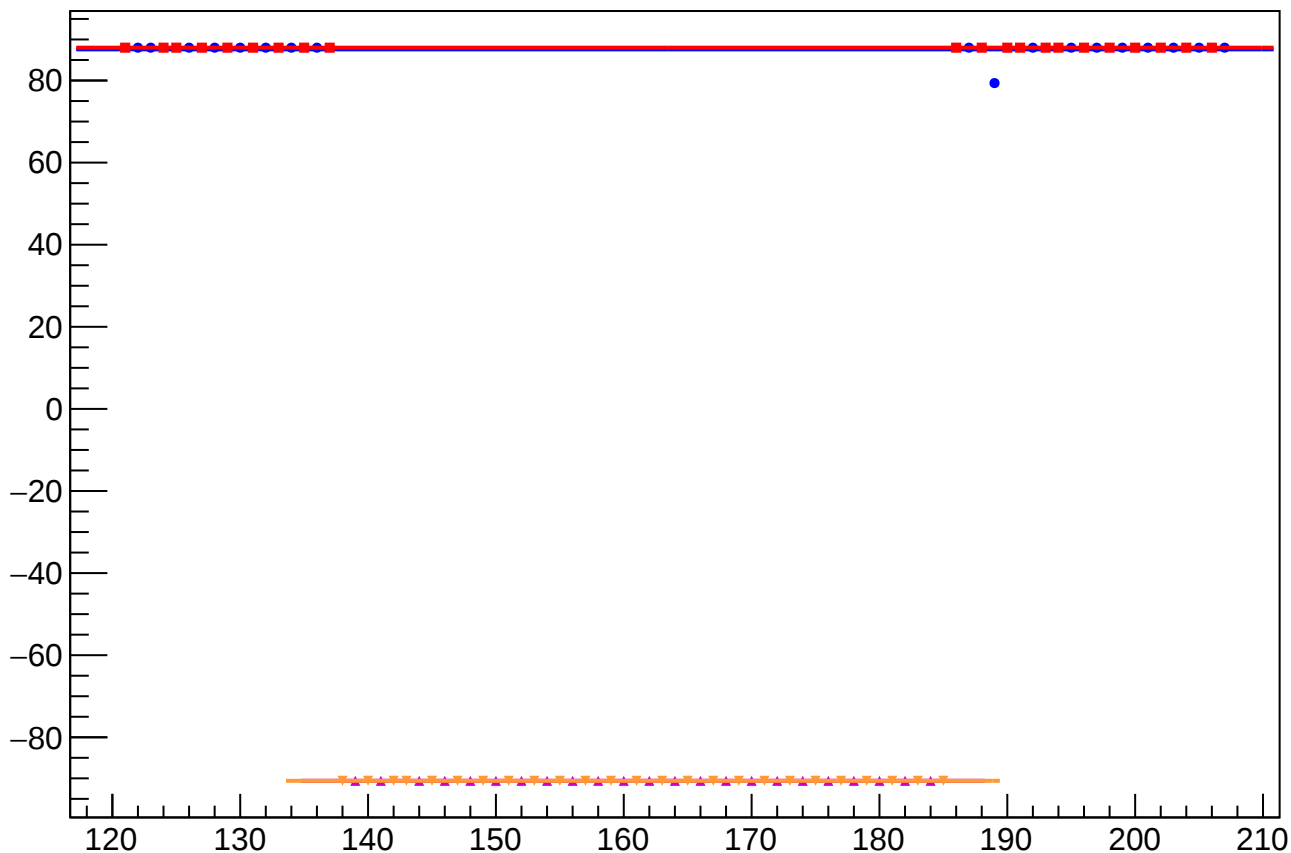
Left In: 0.092 $\pm$ 0.002 χ^2 /NDF:3631.4/22

+ sign 0.154 $\pm$ 0.001 χ^2 /NDF: 17262.2/51

All: 0.145 $\pm$ 0.001 χ^2 /NDF: 35286.7/105

- sign 0.137 $\pm$ 0.001 χ^2 /NDF: 17941.1/53

VWienAngle_mean vs Slug



Right In: 87.594+/-0.000 χ^2/NDF : 3617042799427408413163798250127360.0/17

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 1088501.8/20

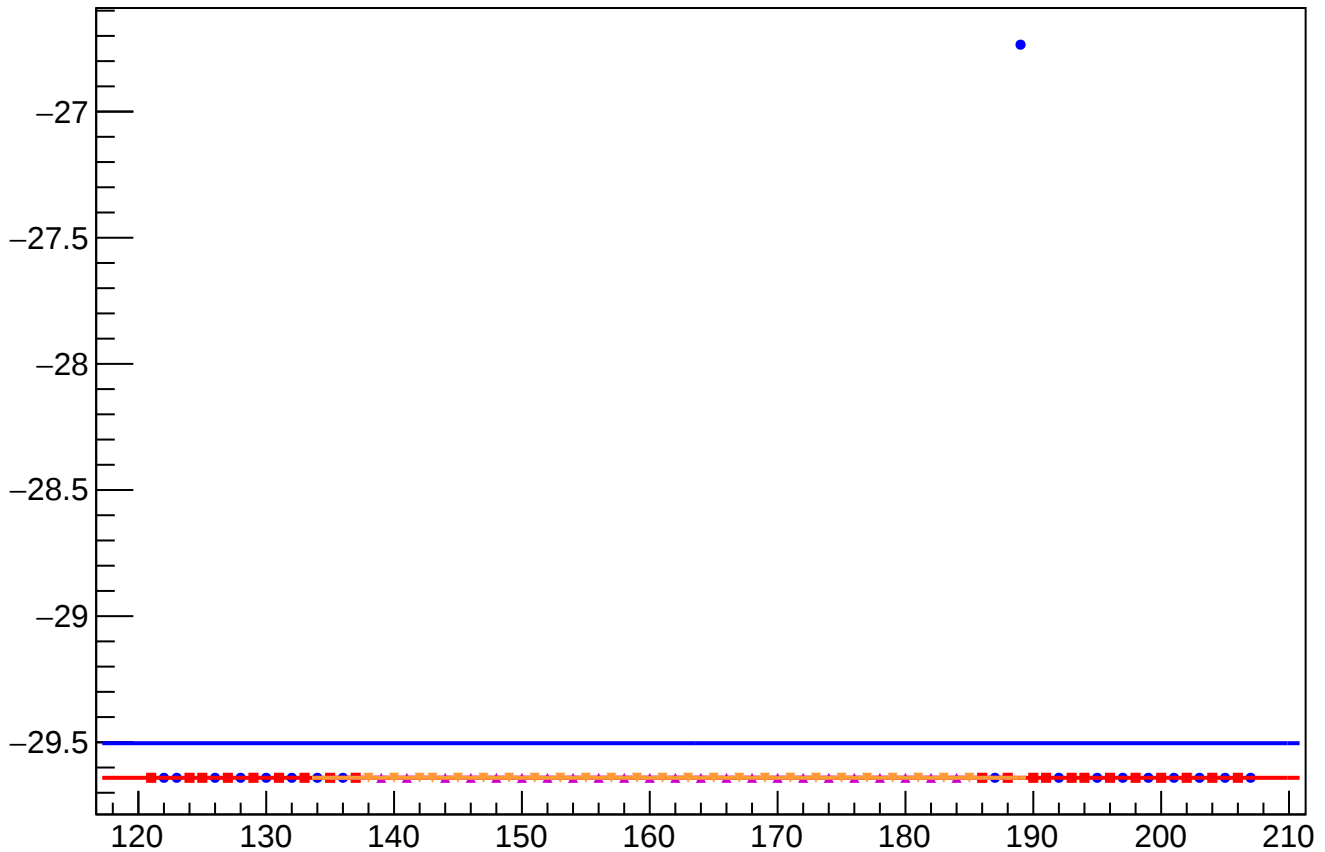
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -26.197+/-0.000 χ^2/NDF : 219227697632872

All: -23.822+/-0.000 χ^2/NDF : 443327115226

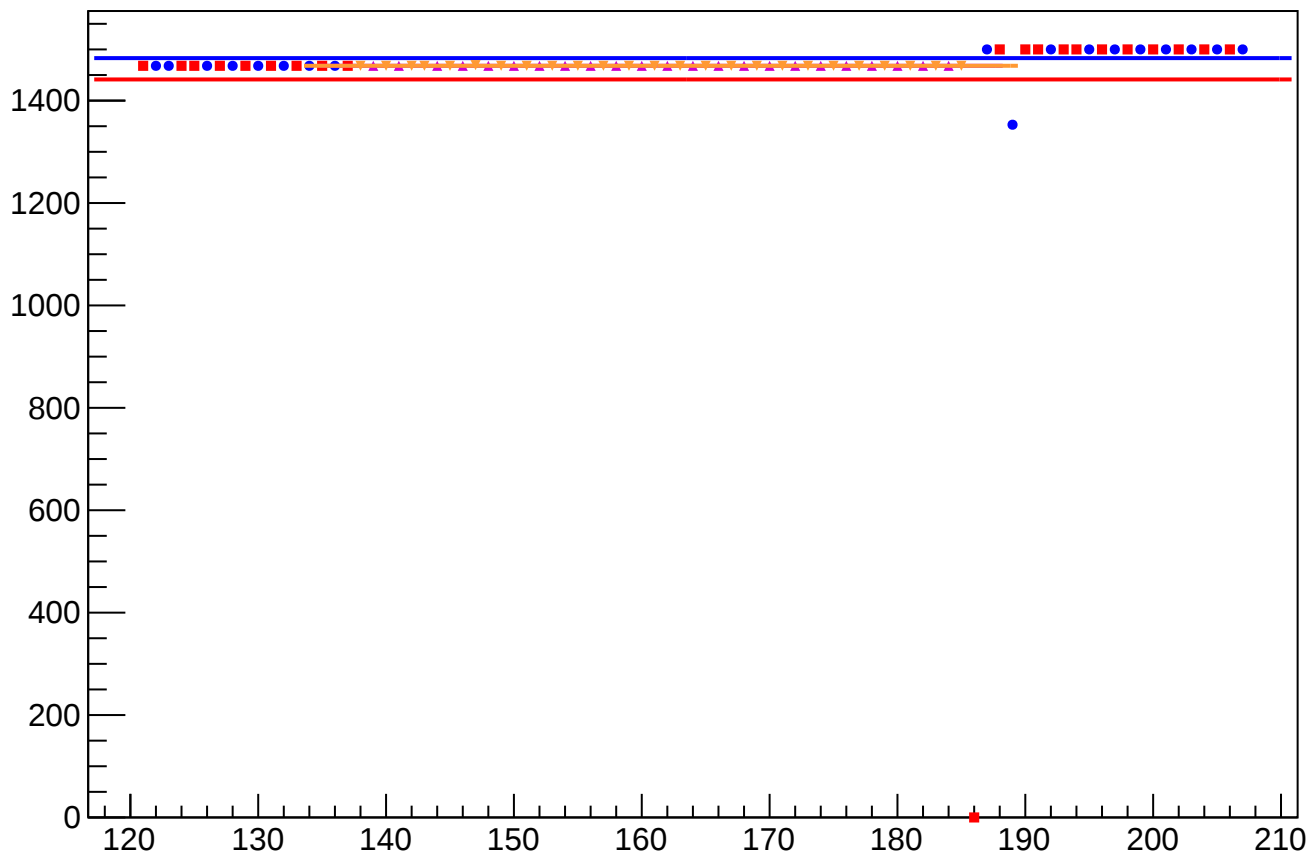
- sign -21.419+/-0.000 χ^2/NDF : 2237599809411365

HWienAngle_mean vs Slug



Right In: -29.504 $\pm$ 0.000 χ^2 /NDF: 410353712156814406830434405056512.0/17
Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 654199.2/24 + sign -29.591 $\pm$ 0.000 χ^2 /NDF: 423328739212475
Right Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 1378979.3/20 All: -29.616 $\pm$ 0.000 χ^2 /NDF: 426978858772
Left In: -29.641 $\pm$ 0.000 χ^2 /NDF: 511825.6/22 - sign -29.641 $\pm$ 0.000 χ^2 /NDF: 2530943.5/43

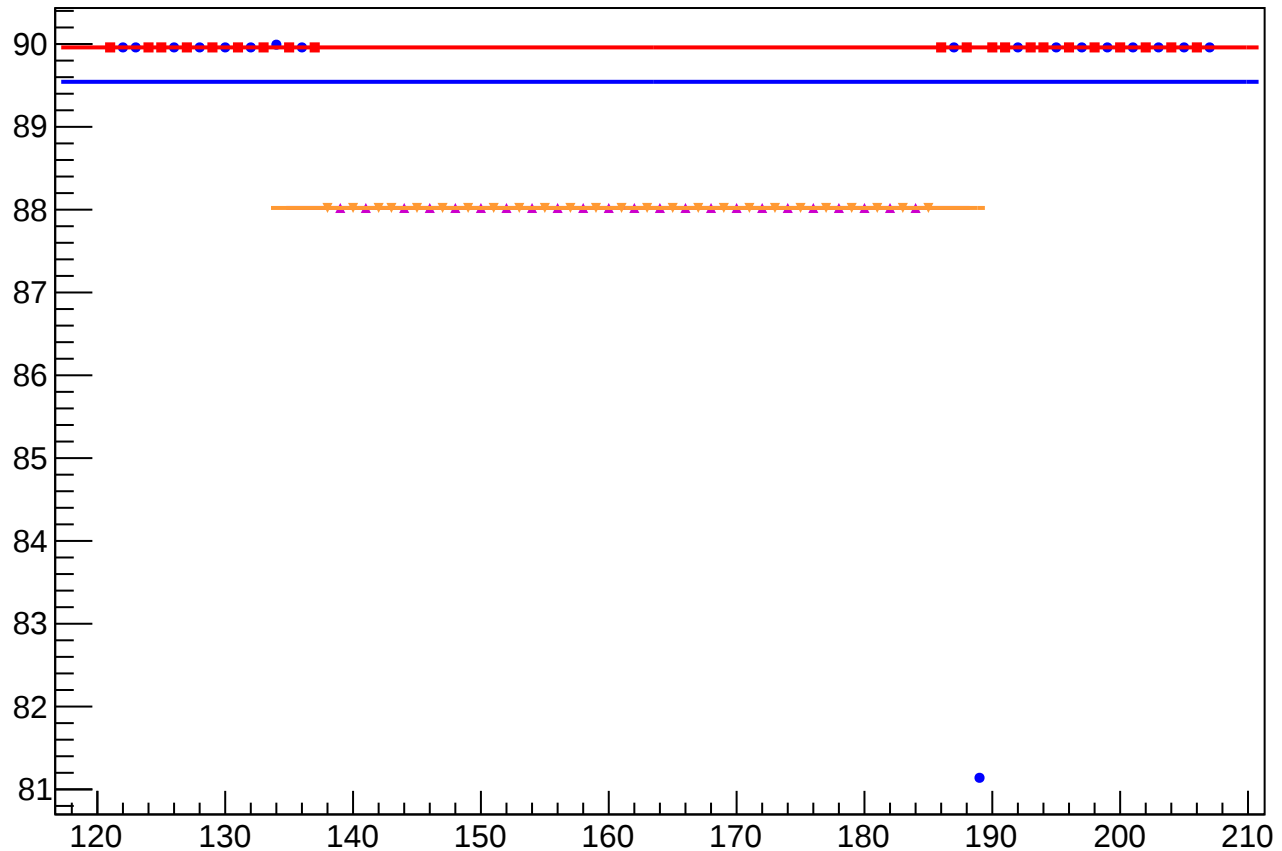
psub_pl_pos_mean vs Slug



Right In: 1483.021+/-0.000	χ^2/NDF : 1138890274065829598885065321034547200.0/17
Left Out: 1468.048+/-0.000	χ^2/NDF : 127960980922965975039069502046208.0/24
Right Out: 1441.354+/-0.000	χ^2/NDF : 81885902076170497931191322306435612672.0/20
Left In: 1467.994+/-0.000	χ^2/NDF : 145848702340275035310993178624.0/22

+ sign 1473.459+/-0.000 χ^2/NDF : 12937896052302
 All: 1465.614+/-0.000 χ^2/NDF : 8404793383
 - sign 1457.675+/-0.000 χ^2/NDF : 82383728615018

Phi_FG_mean vs Slug



Right In: 89.544 $\pm$ 0.000 χ^2 /NDF: 3780440500660112931804899920838656.0/17

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5326388.8/24

Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 3265707.4/20

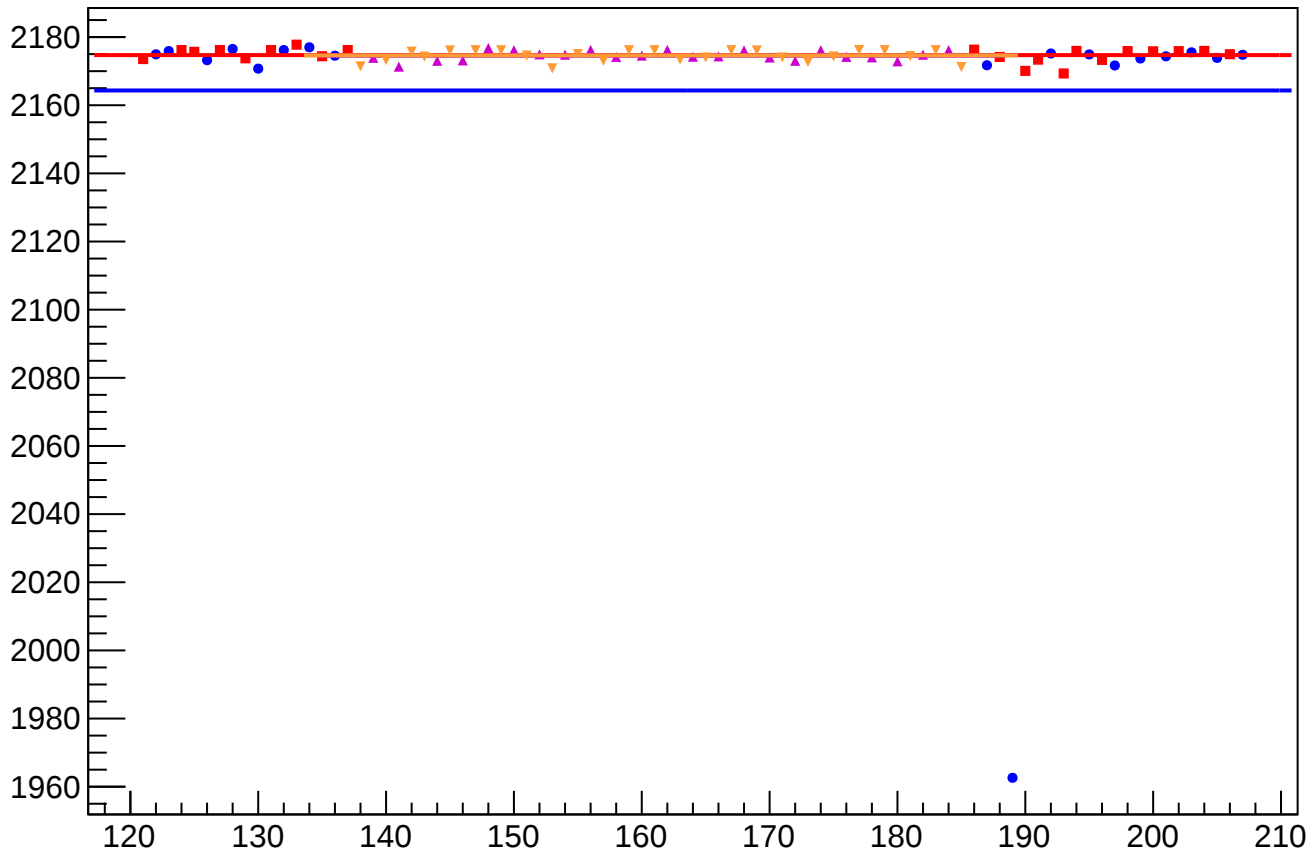
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6084099.2/22

+ sign 88.571 $\pm$ 0.000 χ^2 /NDF: 5381929294290225

All: 88.671 $\pm$ 0.000 χ^2 /NDF: 8077936524764

- sign 88.772 $\pm$ 0.000 χ^2 /NDF: 2636289644755324

HALLA_p_mean vs Slug



Right In: 2164.333+/-0.000 χ^2/NDF : 2180196719836151762949100597799813120.0/17

Left Out: 2174.622+/-0.000 χ^2/NDF : 51105781354760931110874911595823104.0/24

Right Out: 2174.712+/-0.000 χ^2/NDF : 4600643160160708104960258634416128.0/20

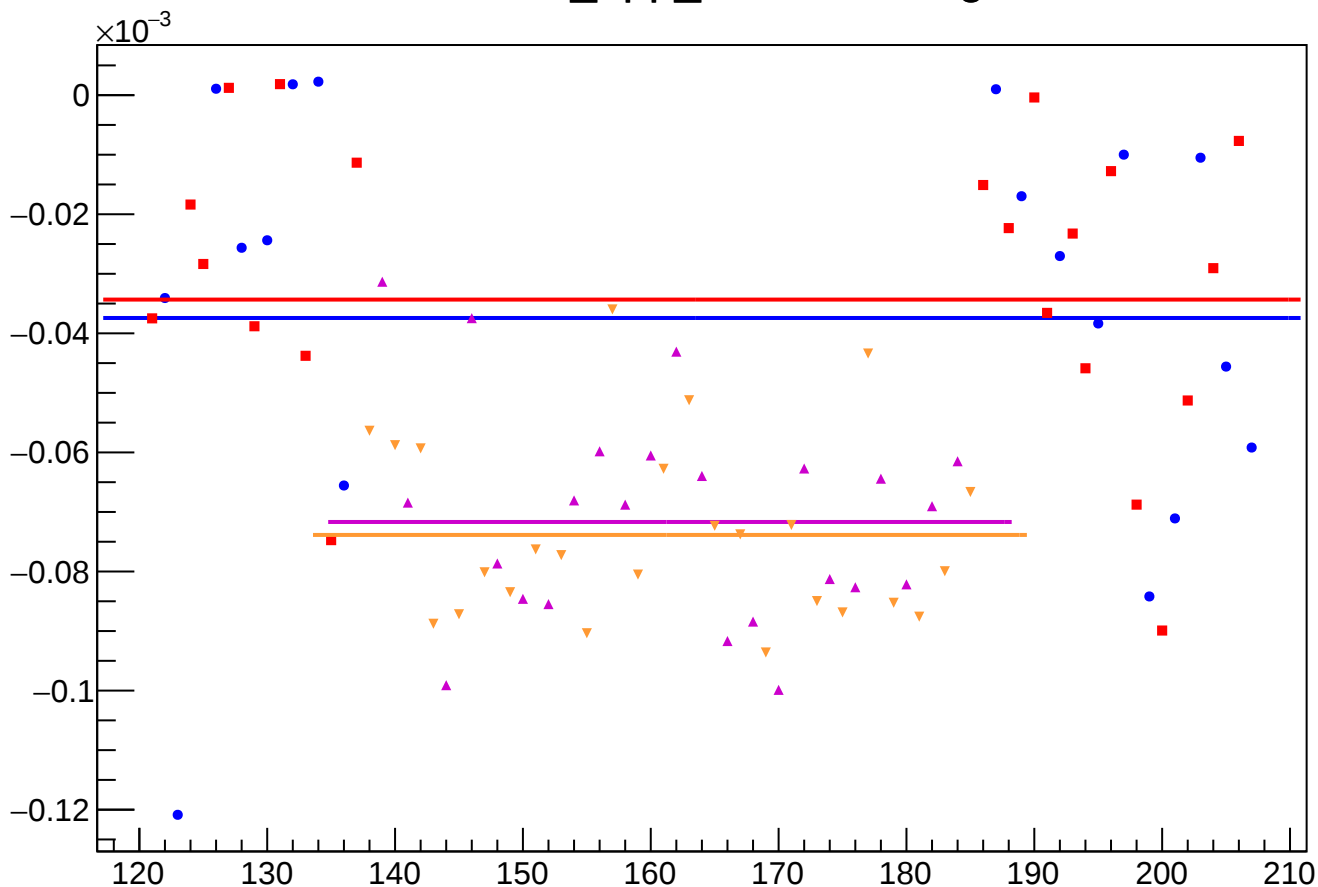
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2170.903+/-0.000 χ^2/NDF : 22583807427291

All: 2172.744+/-0.000 χ^2/NDF : 22867842170

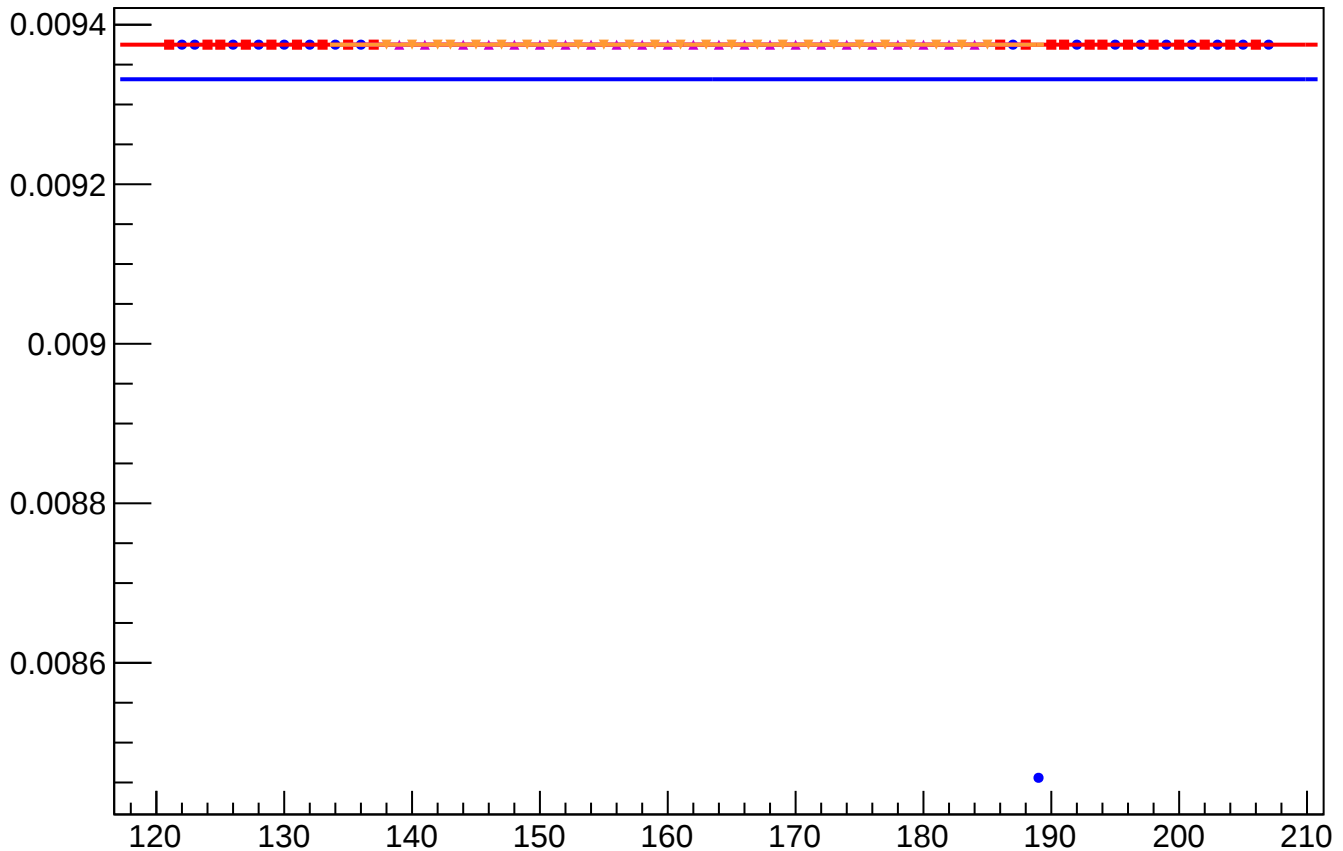
- sign 2174.606+/-0.000 χ^2/NDF : 80224255171138

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 772916864031583406915584.0/17	+ sign -0.000+/-0.000	χ^2/NDF : 2139757119787712
Left Out: -0.000+/-0.000	χ^2/NDF : 450400934180541069000704.0/24	All: -0.000+/-0.000	χ^2/NDF : 4475823571802
Right Out: -0.000+/-0.000	χ^2/NDF : 777373102512458730307584.0/20	- sign -0.000+/-0.000	χ^2/NDF : 23181056270121685
Left In: -0.000+/-0.000	χ^2/NDF : 562166279020739416817664.0/22		

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41051016556019995350401024.0/17

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/20

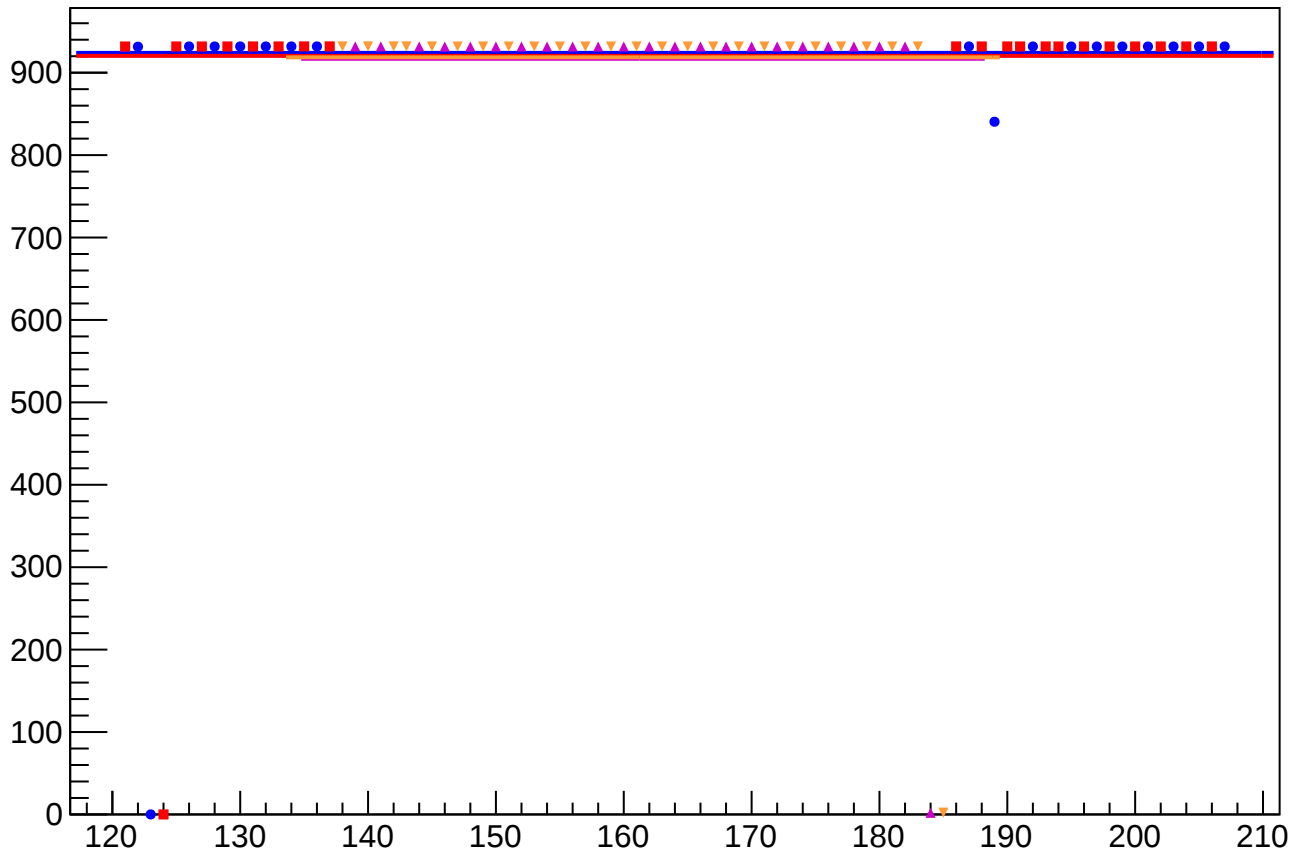
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42349013953624291

All: 0.009+/-0.000 χ^2/NDF : 42714165075815

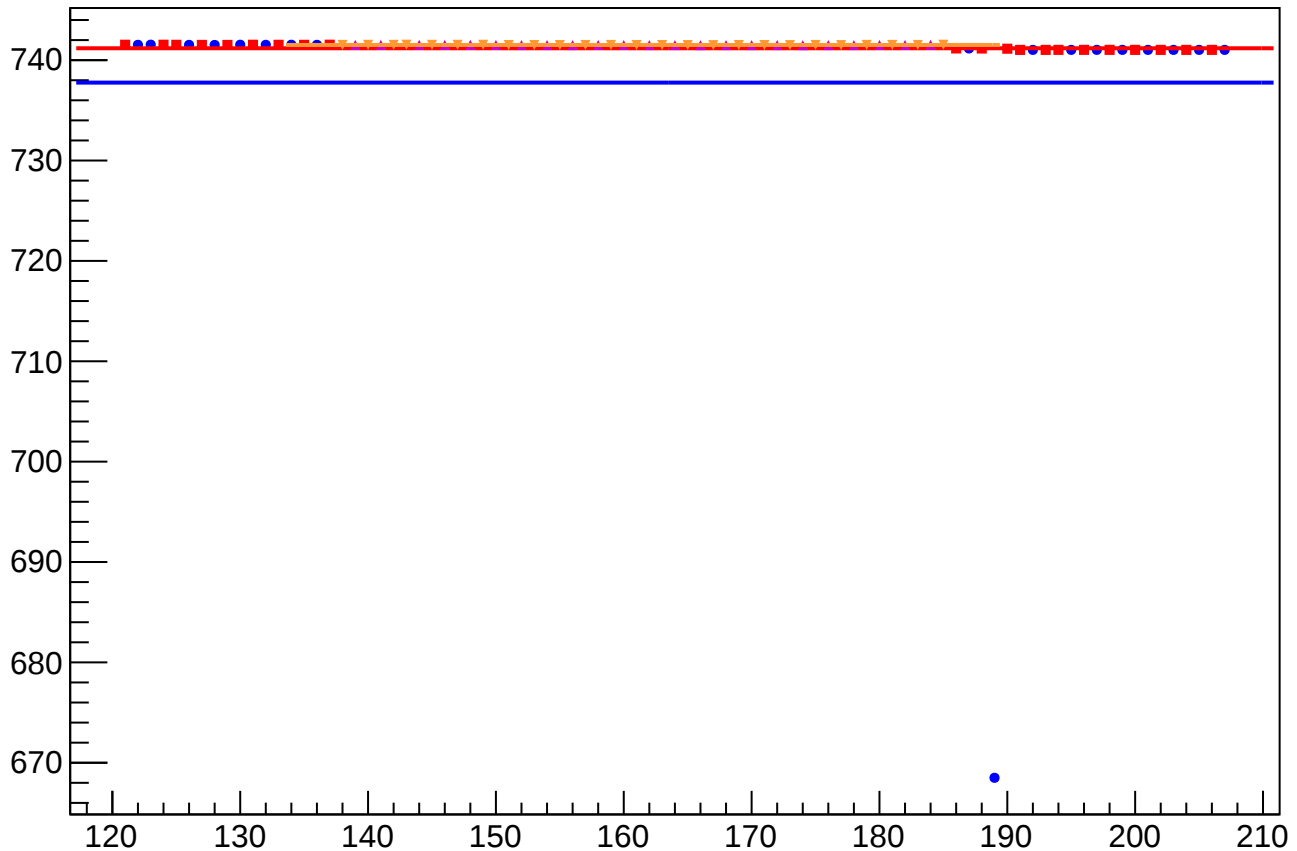
- sign 0.009+/-0.000 χ^2/NDF : 0.2/43

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.034+/-0.000 χ^2/NDF : 3832769659292402797256436662411460608.0/17
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 920.409+/-0.000 χ^2/NDF : 12006123041554225209656173023262146560.0/20
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 737.764 $\pm$ 0.000 χ^2 /NDF: 256835781063587916776337803281694720.0/17

Left Out: 741.513 $\pm$ 0.000 χ^2 /NDF: 244782737401533731539808944128.0/24

Right Out: 741.185 $\pm$ 0.000 χ^2 /NDF: 54134309969828496423833401556992.0/20

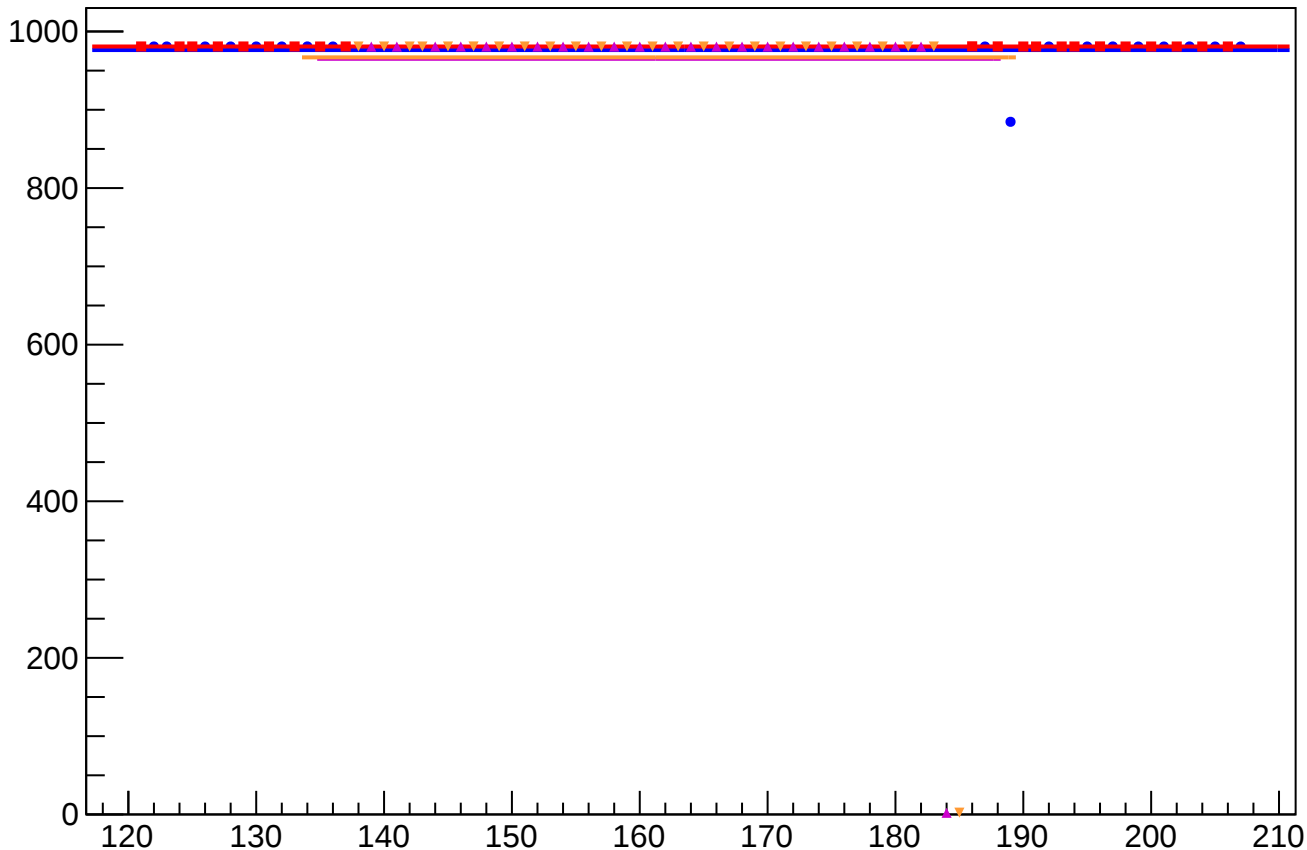
Left In: 741.512 $\pm$ 0.000 χ^2 /NDF: 215375309108434607405602439168.0/22

+ sign 740.158 $\pm$ 0.000 χ^2 /NDF: 266540239938577

All: 740.768 $\pm$ 0.000 χ^2 /NDF: 268910675998

- sign 741.386 $\pm$ 0.000 χ^2 /NDF: 129493449371270

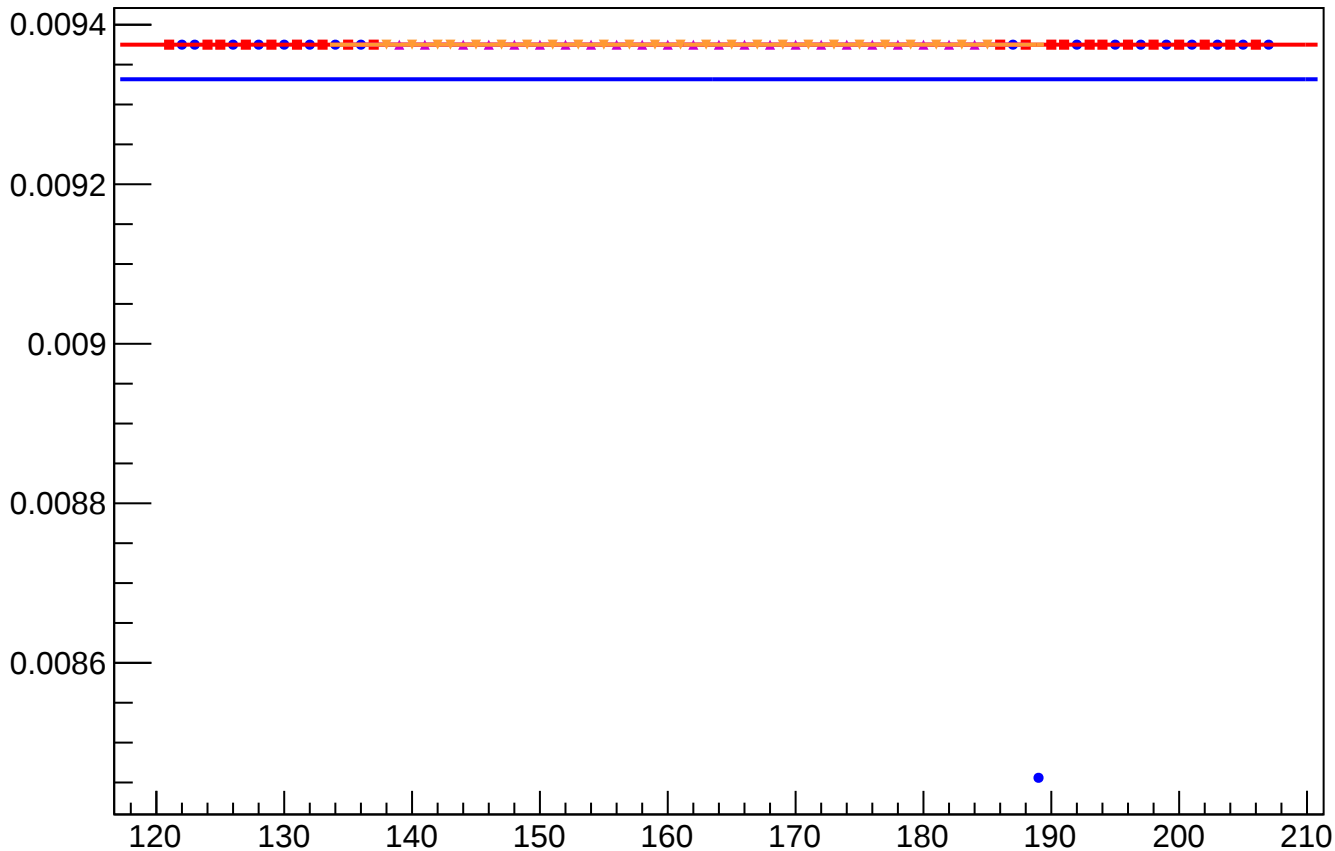
HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 976.278+/-0.000 χ^2/NDF : 449481559895361646320530935181737984.0/17
Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24
Right Out: 980.823+/-0.000 χ^2/NDF : 3267623981370471692182401056768.0/20
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 970.312+/-0.000 χ^2/NDF : 259953072261801
All: 970.749+/-0.000 χ^2/NDF : 535001454000
- sign 971.192+/-0.000 χ^2/NDF : 275036892224892

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 41051016556019995350401024.0/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

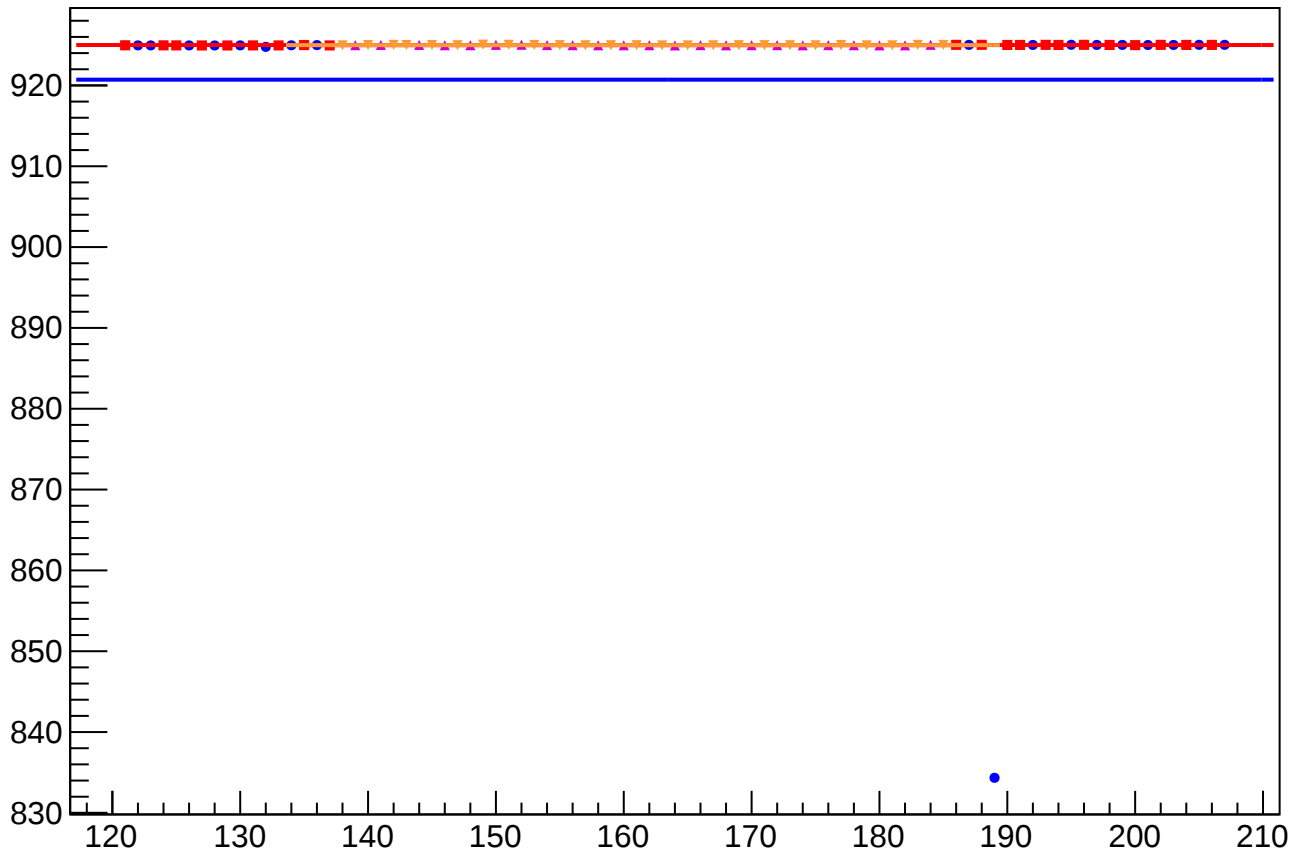
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42349013953624291

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42714165075815

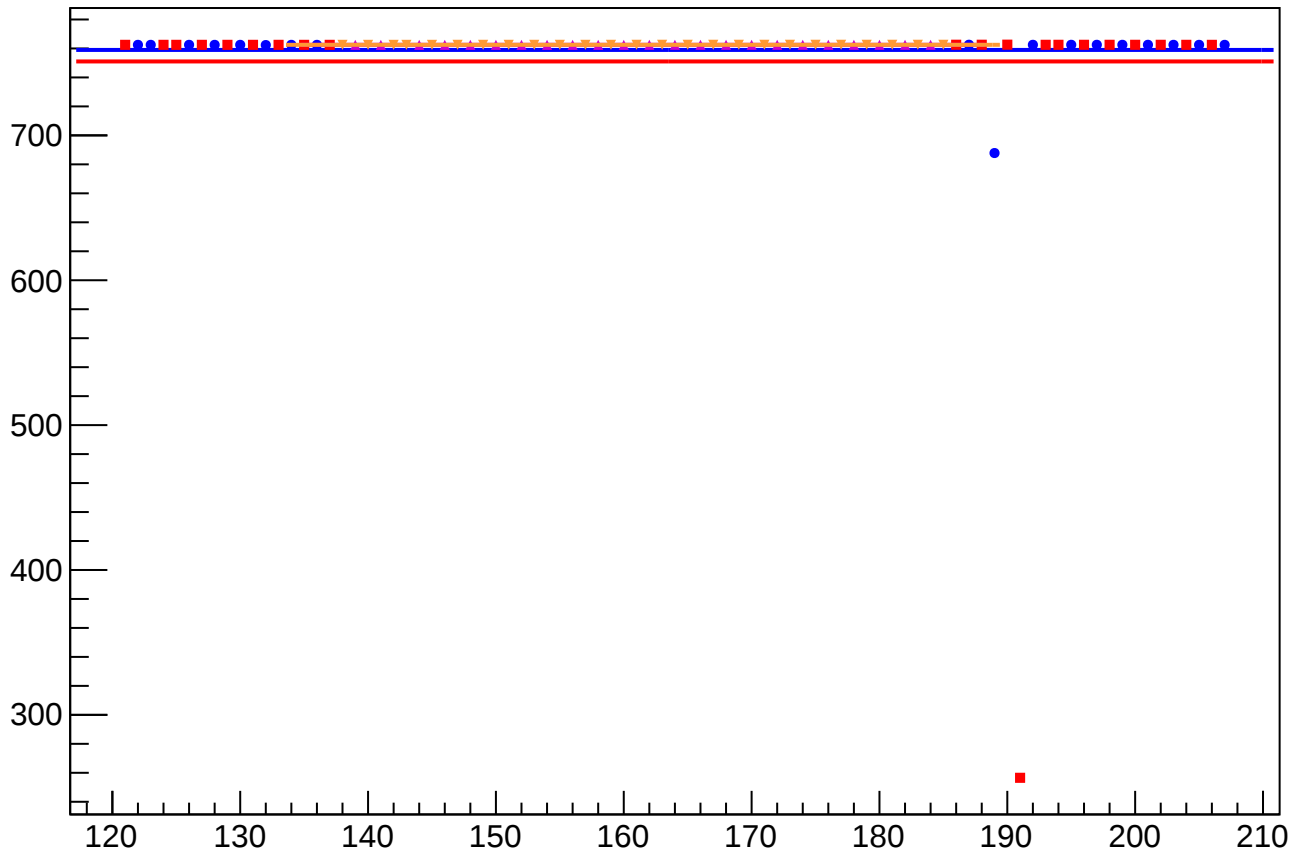
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/43

HacR_Q2_HP3458A_IOUT_mean vs Slug



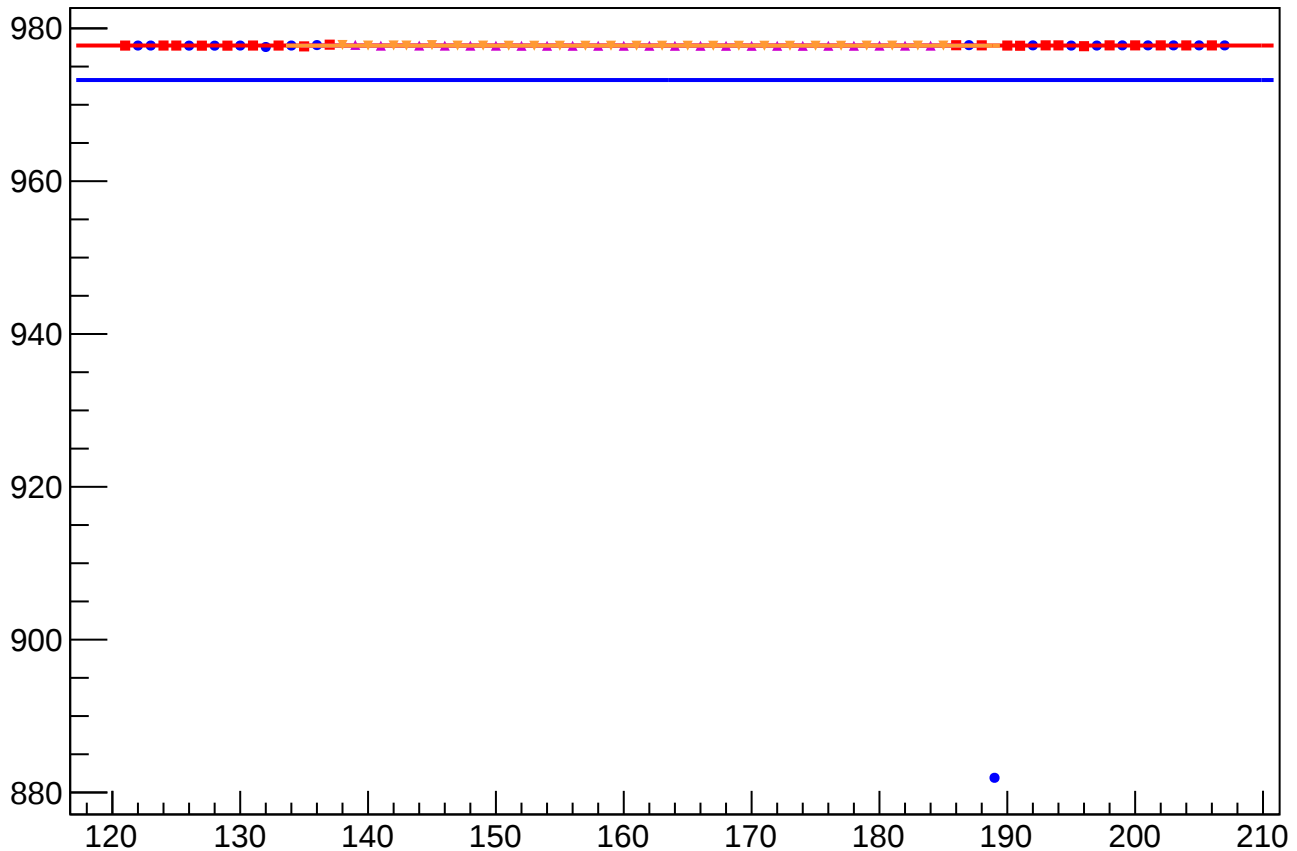
Right In: 920.713+/-0.000 χ^2/NDF : 399305699910593383471802861215547392.0/17
 Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
 Right Out: 924.997+/-0.000 χ^2/NDF : 861698478877562130081169539072.0/20
 Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22
 + sign 923.439+/-0.000 χ^2/NDF : 411892971119390
 All: 924.209+/-0.000 χ^2/NDF : 415461882338
 - sign 924.988+/-0.000 χ^2/NDF : 188769320119024

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 758.984+/-0.000 χ^2/NDF : 271137400507169754893752880393617408.0/17
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 751.036+/-0.000 χ^2/NDF : 6505116593699807576131000056909135872.0/20
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 759.665+/-0.000 χ^2/NDF : 689231355598.0/20
 + sign 761.241+/-0.000 χ^2/NDF : 279758844579862.0/17
 - sign 758.071+/-0.000 χ^2/NDF : 659761506983633.0/17

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 973.237 $\pm$ 0.000 χ^2 /NDF: 446343004437128993555978316068945920.0/17

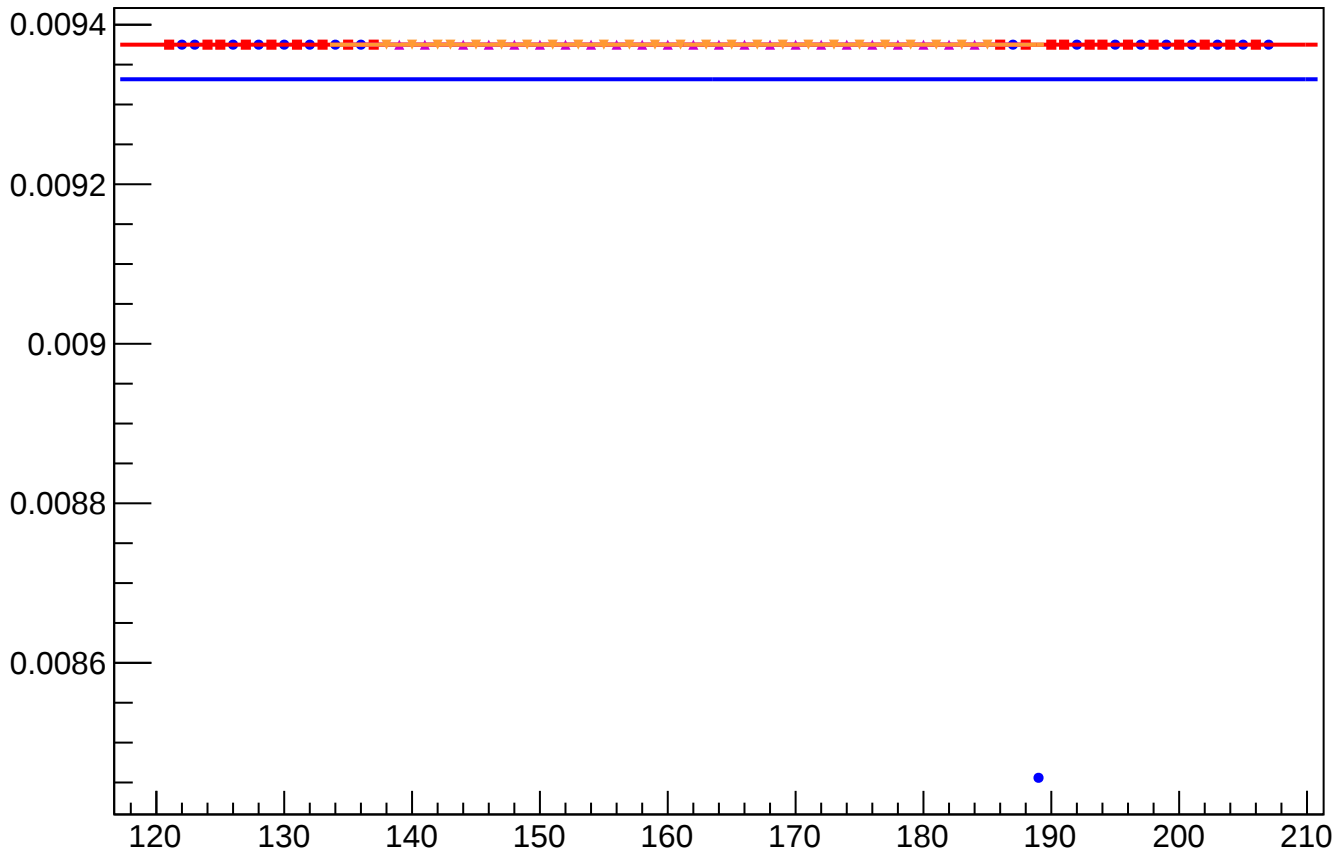
Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24

Right Out: 977.755 $\pm$ 0.000 χ^2 /NDF: 1825510370172774799142811598848.0/20

Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22

All: 976.922 $\pm$ 0.000 χ^2 /NDF: 460325169960368

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 41051016556019995350401024.0/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42349013953624291

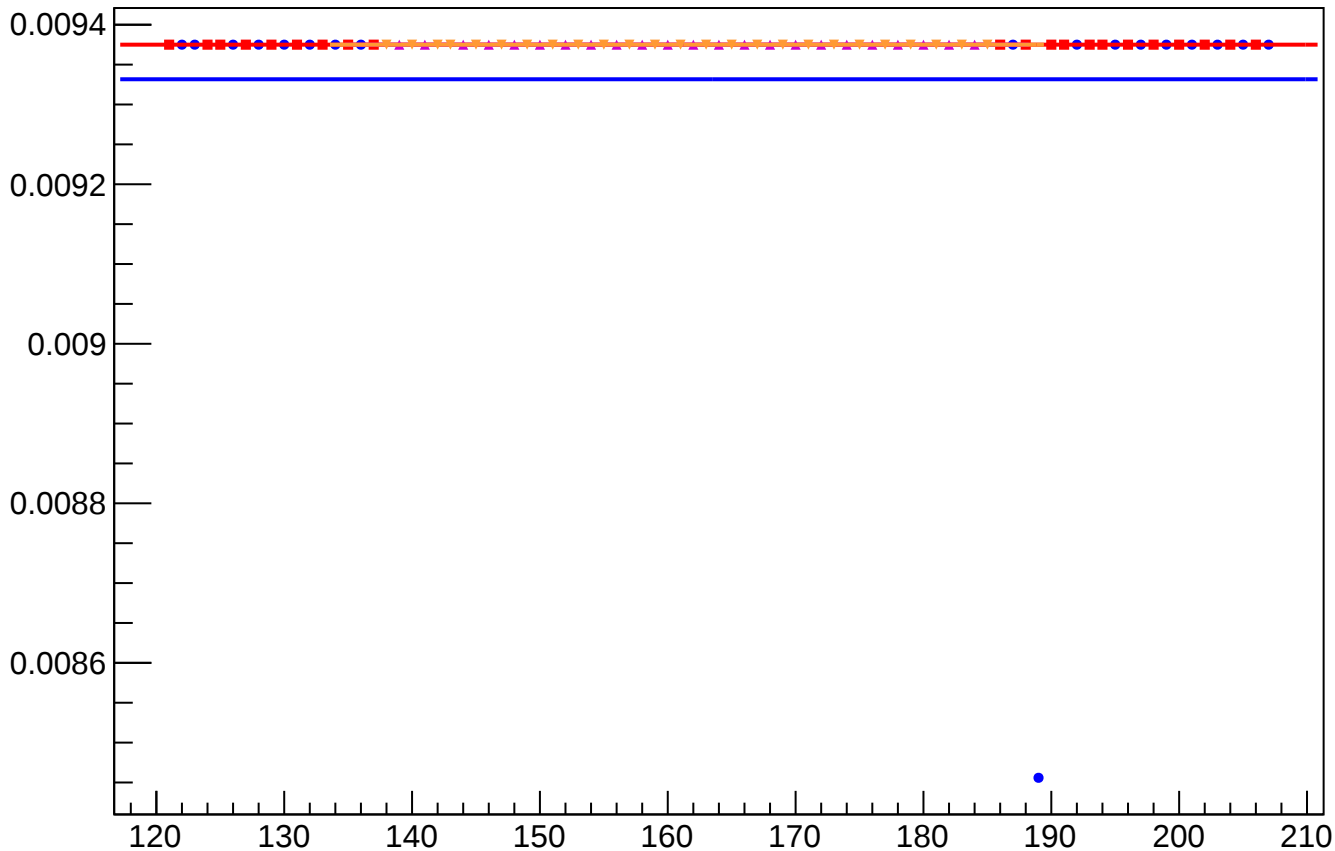
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/20

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42714165075815

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/43

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41051016556019995350401024.0/17

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/20

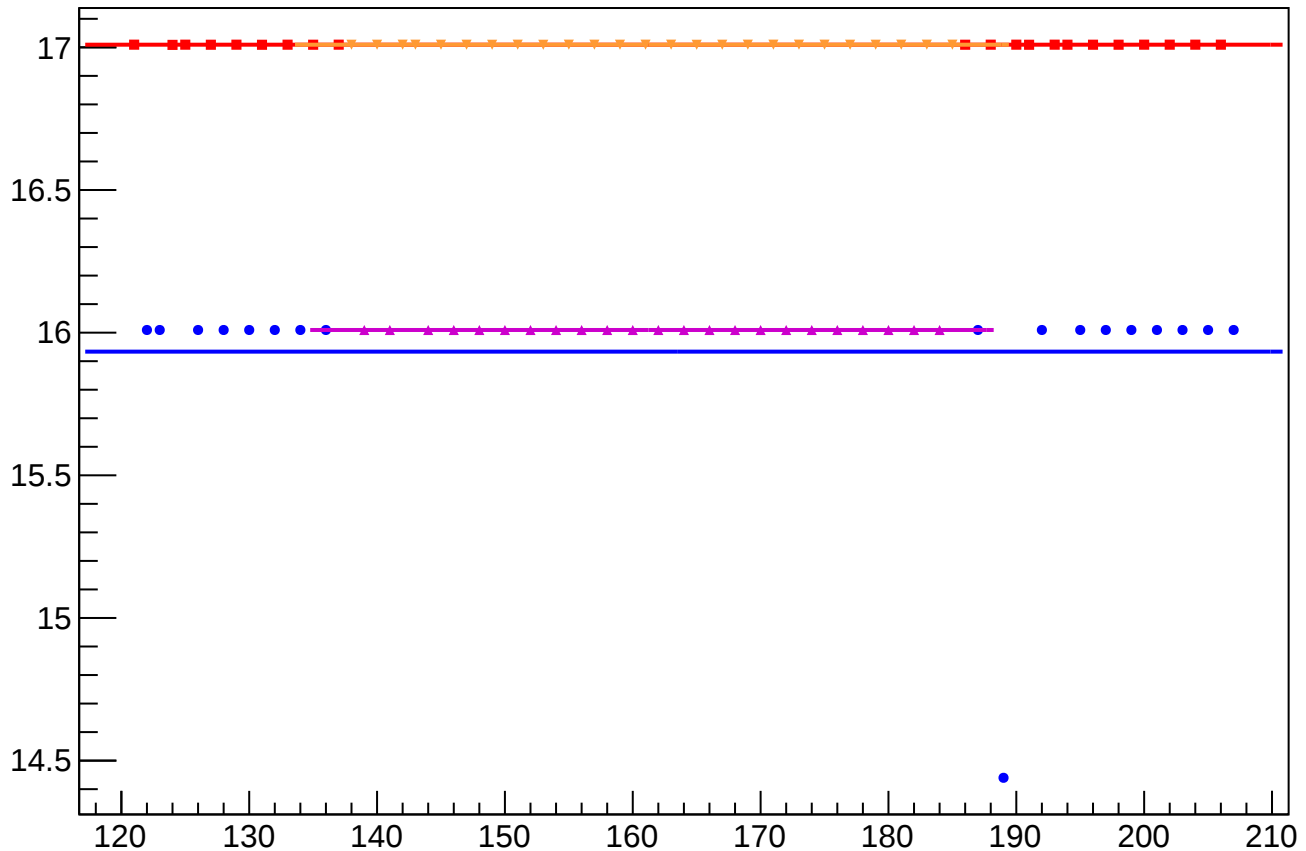
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42349013953624291

All: 0.009+/-0.000 χ^2/NDF : 42714165075815

- sign 0.009+/-0.000 χ^2/NDF : 0.2/43

IGL1I00DI24_24M_mean vs Slug



Right In: 15.933+/-0.000 χ^2/NDF : 119563362087204653572510611144704.0/17

Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24

Right Out: 17.009+/-0.000 χ^2/NDF : 15312521325834853117067264.0/20

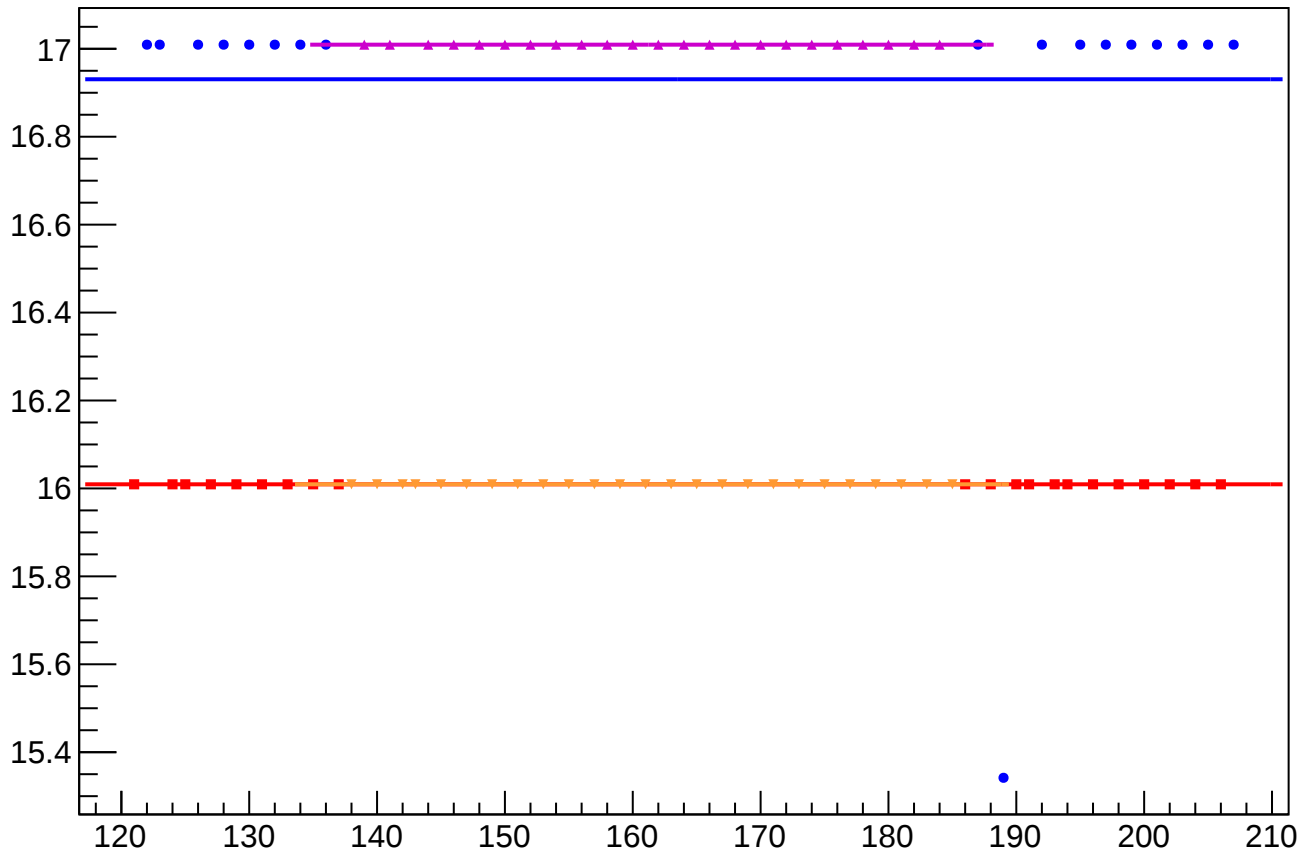
Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

+ sign 16.608+/-0.000 χ^2/NDF : 8853386275485050

All: 16.510+/-0.000 χ^2/NDF : 1615903301034

- sign 16.411+/-0.000 χ^2/NDF : 6756059063452190

IGL1I00OD16_16_mean vs Slug



Right In: 16.931+/-0.000 χ^2/NDF : 135131468196491553610507118182400.0/17

Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24

Right Out: 16.009+/-0.000 χ^2/NDF : 262482.4/20

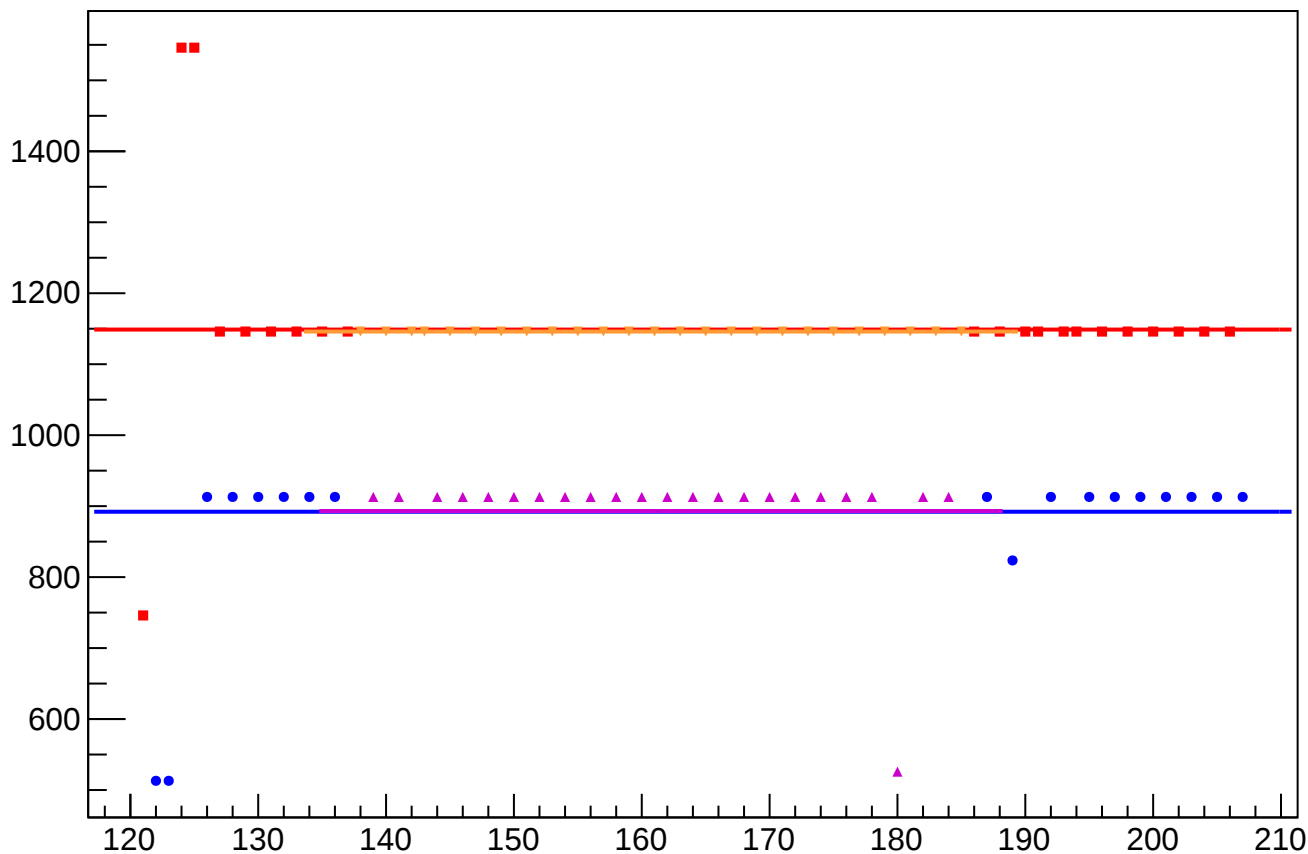
Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

+ sign 16.345+/-0.000 χ^2/NDF : 7184066799584722

All: 16.479+/-0.000 χ^2/NDF : 1520936760974

- sign 16.616+/-0.000 χ^2/NDF : 6946282528653655

RTPAPOSUCNT_mean vs Slug



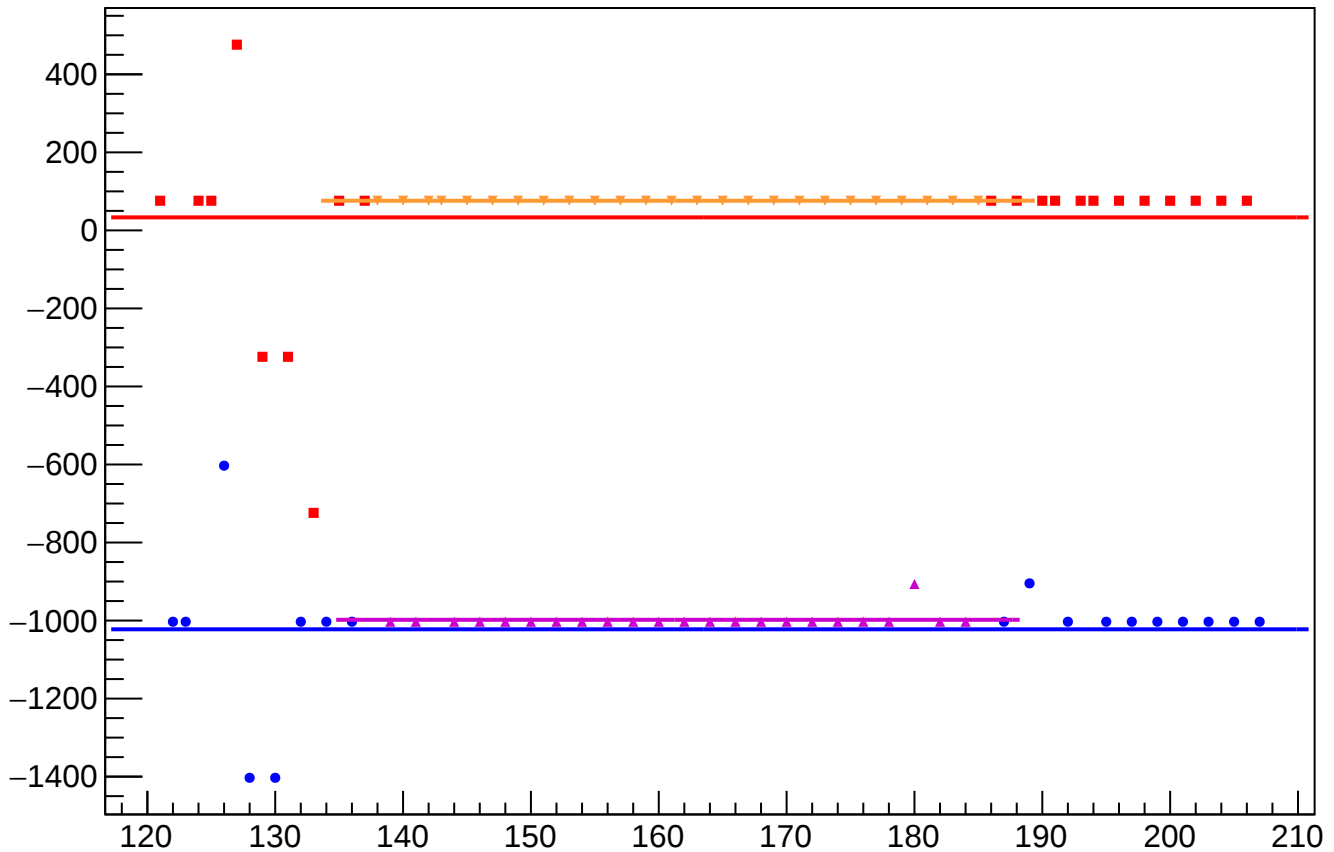
Right In: 892.120 ± 0.000 χ^2/NDF : 7137651945867428802641653296288235520.0/17

Left Out: 1146.011 ± 0.000 χ^2/NDF : 8041760976861450519237885952.0/24

Right Out: 1148.804 ± 0.000 χ^2/NDF : 13751725725163020707524462697917710336.0/20

Left In: 893.116 ± 0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1022.402 ± 0.000 χ^2/NDF : 23285414224692682783346691788345704448.0/17
 Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: 33.391 ± 0.000 χ^2/NDF : 44959920210462147520212989259089444864.0/20
 Left In: -998.020 ± 0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22
 All: -458.923 ± 0.000 χ^2/NDF : 17626931123
 + sign -320.975 ± 0.000 χ^2/NDF : 85614881504013
 - sign -598.505 ± 0.000 χ^2/NDF : 79203384589259