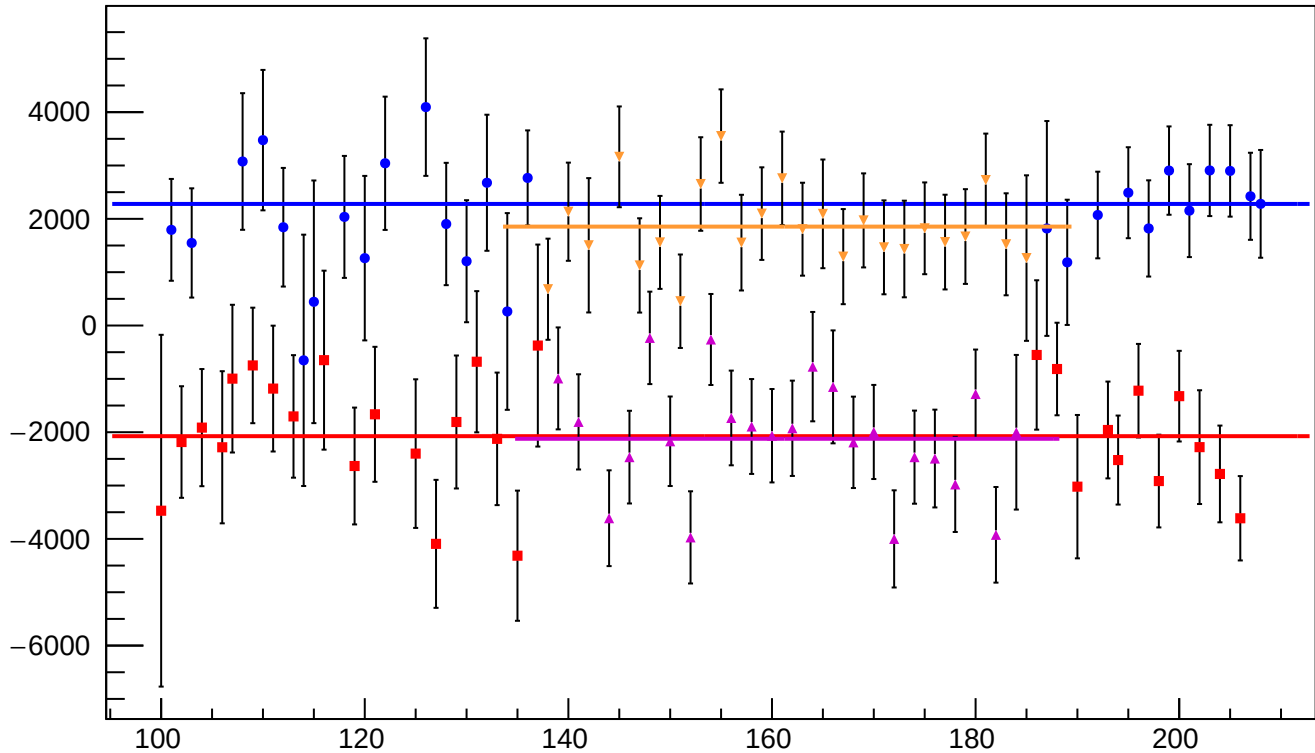


reg_asym_us_avg_mean vs Slug



Right In: 2279.466+/-205.770

χ^2/NDF : 12.7/26

Left Out: 1854.267+/-187.405

χ^2/NDF : 15.1/23

Right Out: -2074.382+/-205.149

χ^2/NDF : 23.5/28

Left In: -2123.138+/-188.684

χ^2/NDF : 32.0/22

+ sign 2047.050+/-138.554

χ^2/NDF : 30.2/50

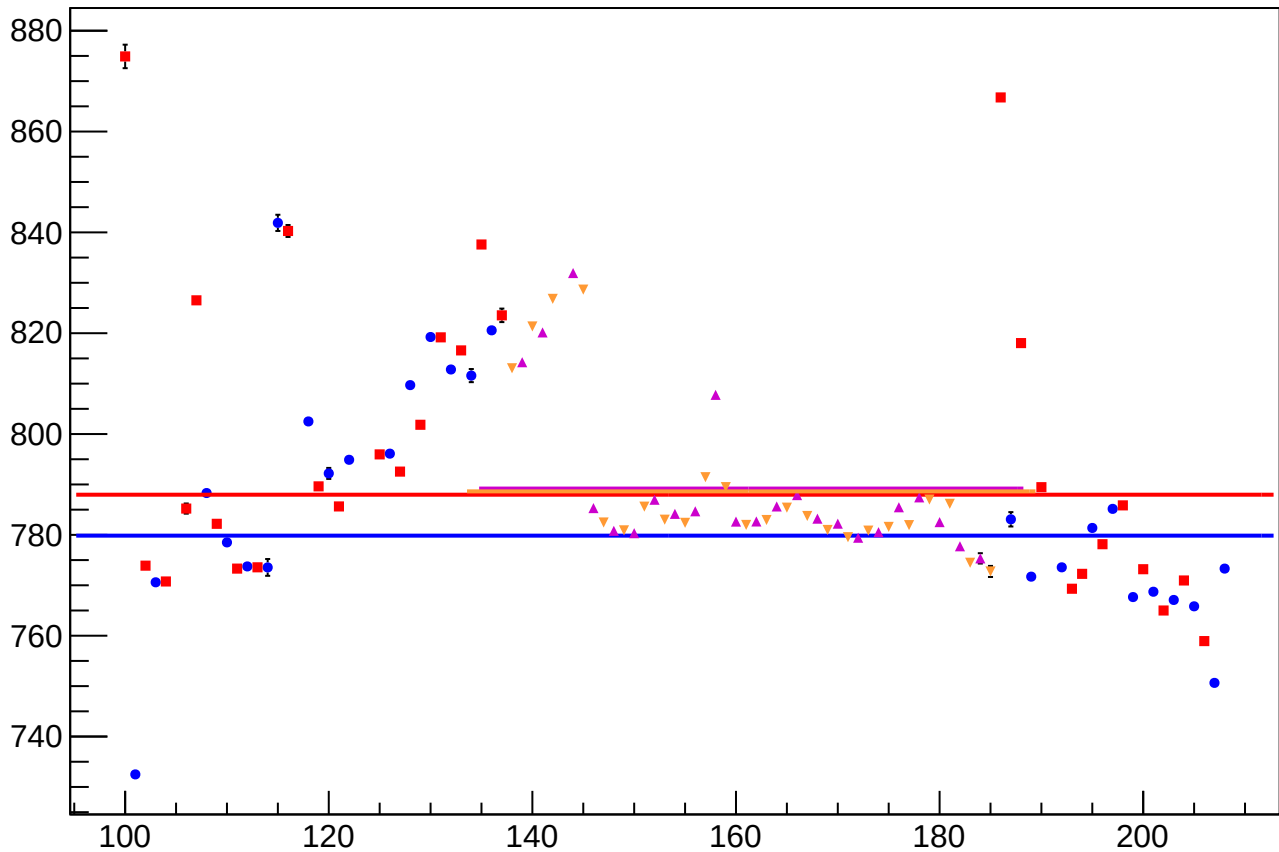
All: -22.058+/-98.086

χ^2/NDF : 532.8/102

- sign -2100.795+/-138.876

χ^2/NDF : 55.5/51

reg_asym_us_avg_rms vs Slug



Right In: 779.848 $\pm$ 0.146 χ^2 /NDF: 22774.2/26

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

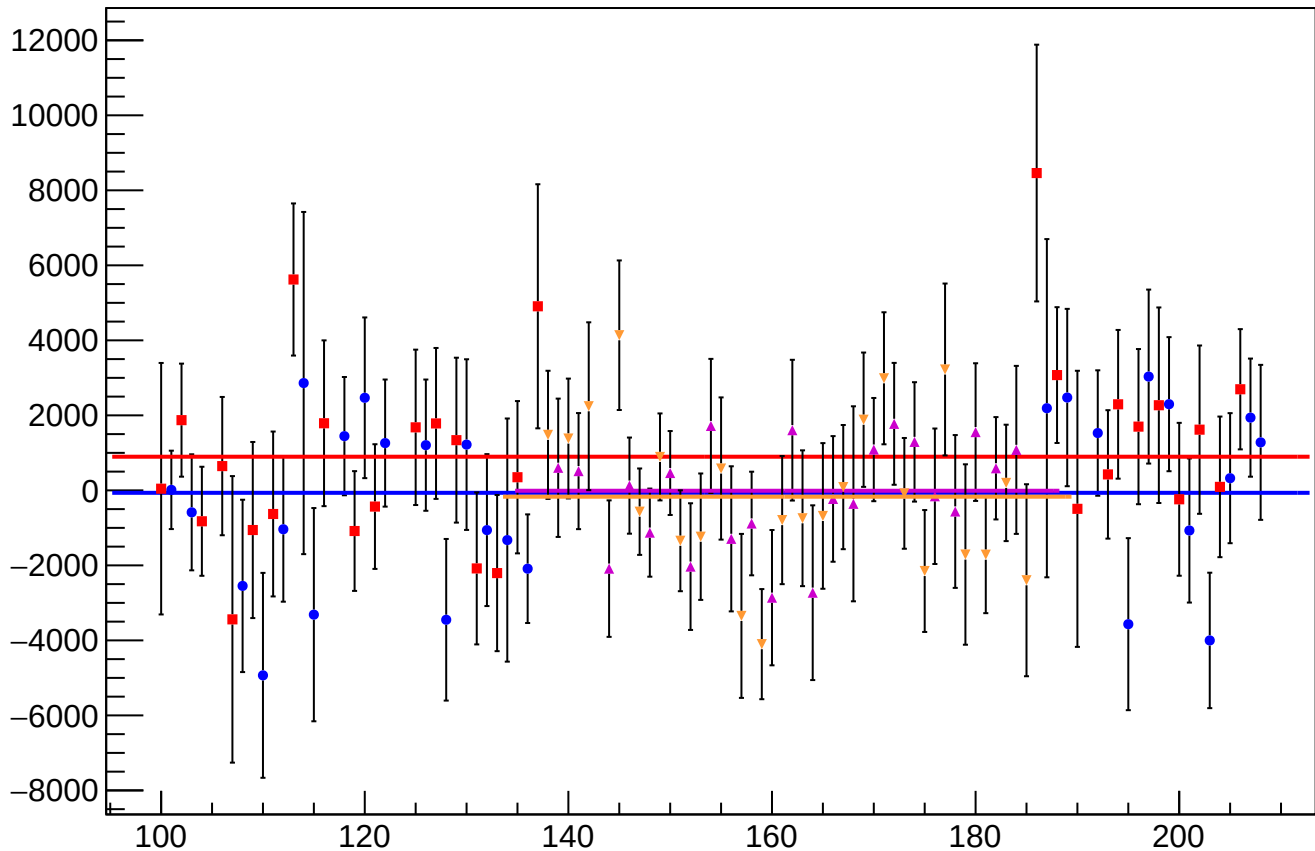
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 784.648 $\pm$ 0.098 χ^2 /NDF: 36243.4/50

All: 786.633 $\pm$ 0.069 χ^2 /NDF: 76903.5/102

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

asym_us_avg_correction_mean vs Slug



Right In: -65.369 ± 366.666 χ^2/NDF : 30.3/26

Left Out: -169.172 ± 340.391 χ^2/NDF : 30.0/23

Right Out: 897.258 ± 377.764 χ^2/NDF : 27.8/28

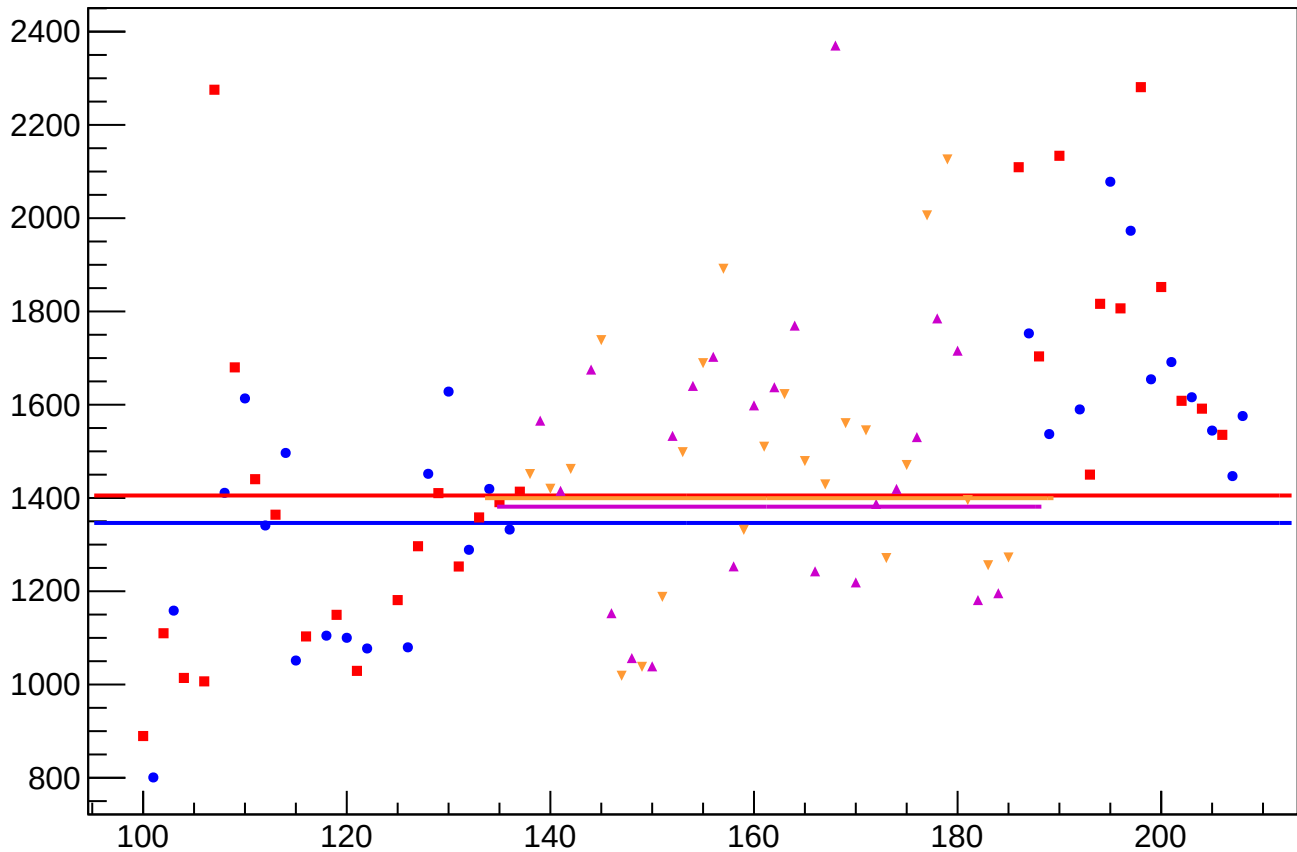
Left In: -10.093 ± 337.810 χ^2/NDF : 14.2/22

+ sign -121.123 ± 249.465 χ^2/NDF : 60.4/50

All: 133.569 ± 177.223 χ^2/NDF : 107.7/102

- sign 393.078 ± 251.813 χ^2/NDF : 45.2/51

asym_us_avg_correction_rms vs Slug



Right In: 1346.459 $\pm$ 0.259 χ^2/NDF : 1476298.7/26

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

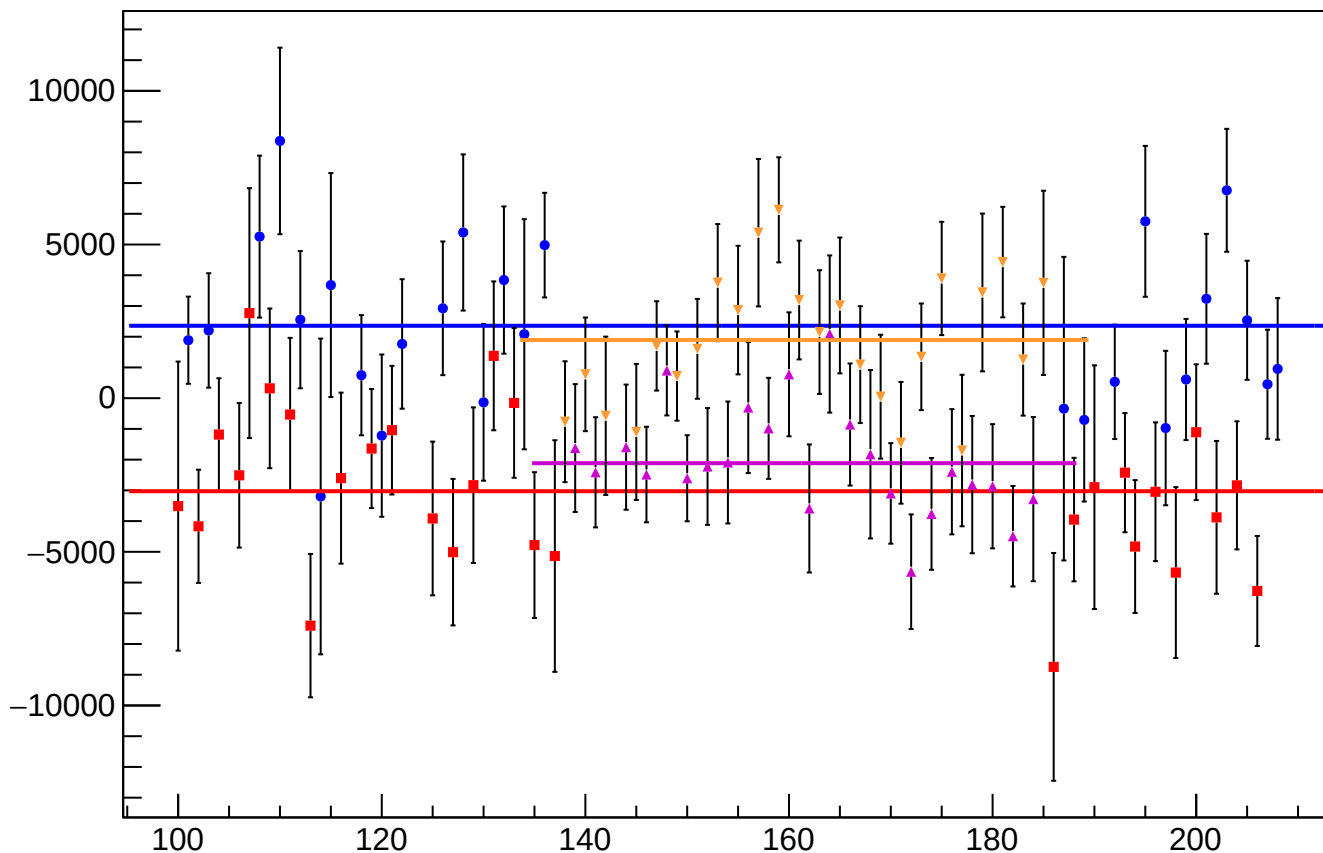
Left In: 1381.359 $\pm$ 0.239 χ^2/NDF :1276488.2/22

+ sign 1374.994 $\pm$ 0.176 χ^2/NDF : 2617976.6/50

All: 1383.423 $\pm$ 0.125 χ^2/NDF : 5382267.2/10

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

asym_us_avg_mean vs Slug



Right In: 2356.188+/-430.628 χ^2/NDF : 28.0/26

Left Out: 1893.469+/-394.877 χ^2/NDF : 25.9/23

Right Out: -3027.828+/-439.676 χ^2/NDF : 25.9/28

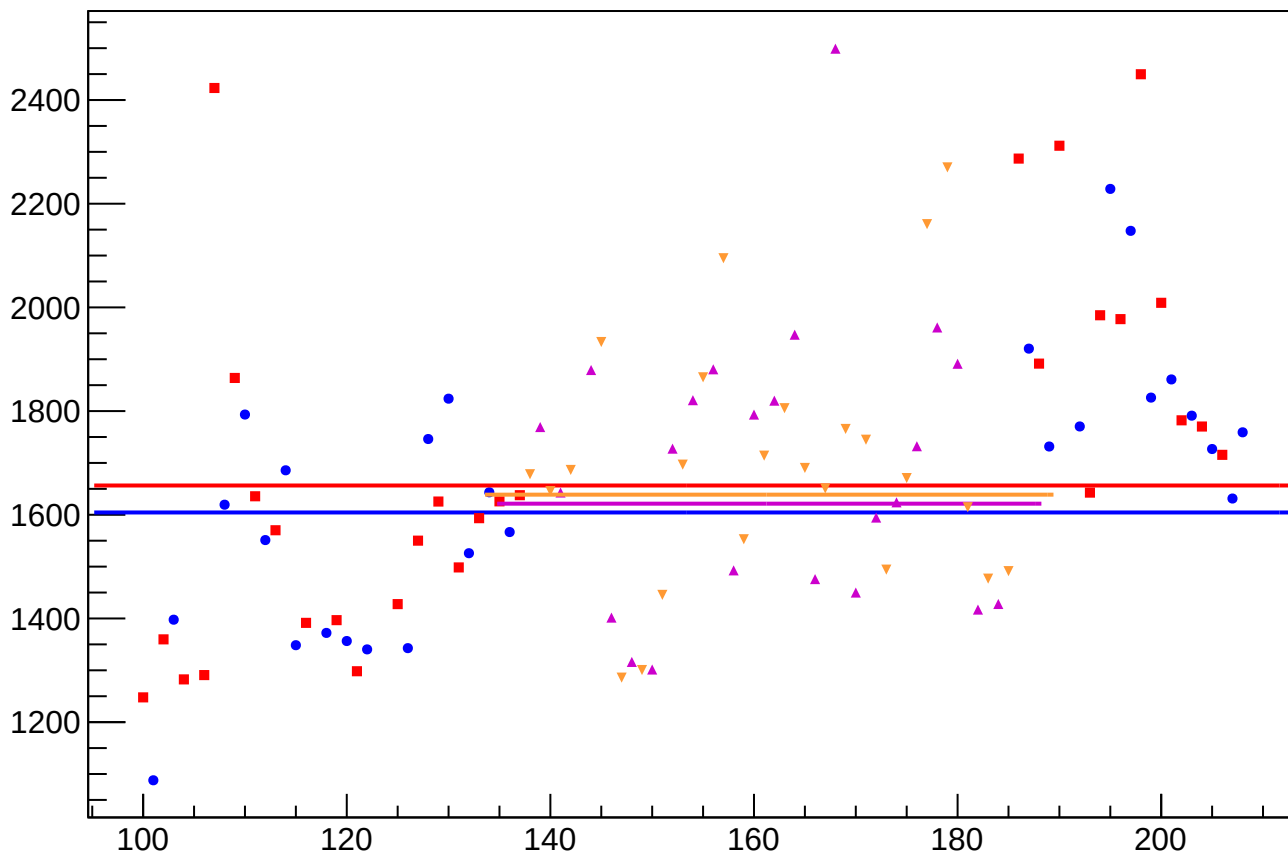
Left In: -2116.114+/-392.997 χ^2/NDF : 18.8/22

+ sign 2104.826+/-291.040 χ^2/NDF : 54.5/50

All: -192.503+/-206.489 χ^2/NDF : 227.1/102

- sign -2521.021+/-293.009 χ^2/NDF : 47.1/51

asym_us_avg_rms vs Slug



Right In: 1604.446 $\pm$ 0.305 χ^2 /NDF: 781005.4/26

Left Out: 1638.806 $\pm$ 0.279 χ^2 /NDF: 671906.6/23

Right Out: 1656.476 $\pm$ 0.311 χ^2 /NDF: 882771.2/28

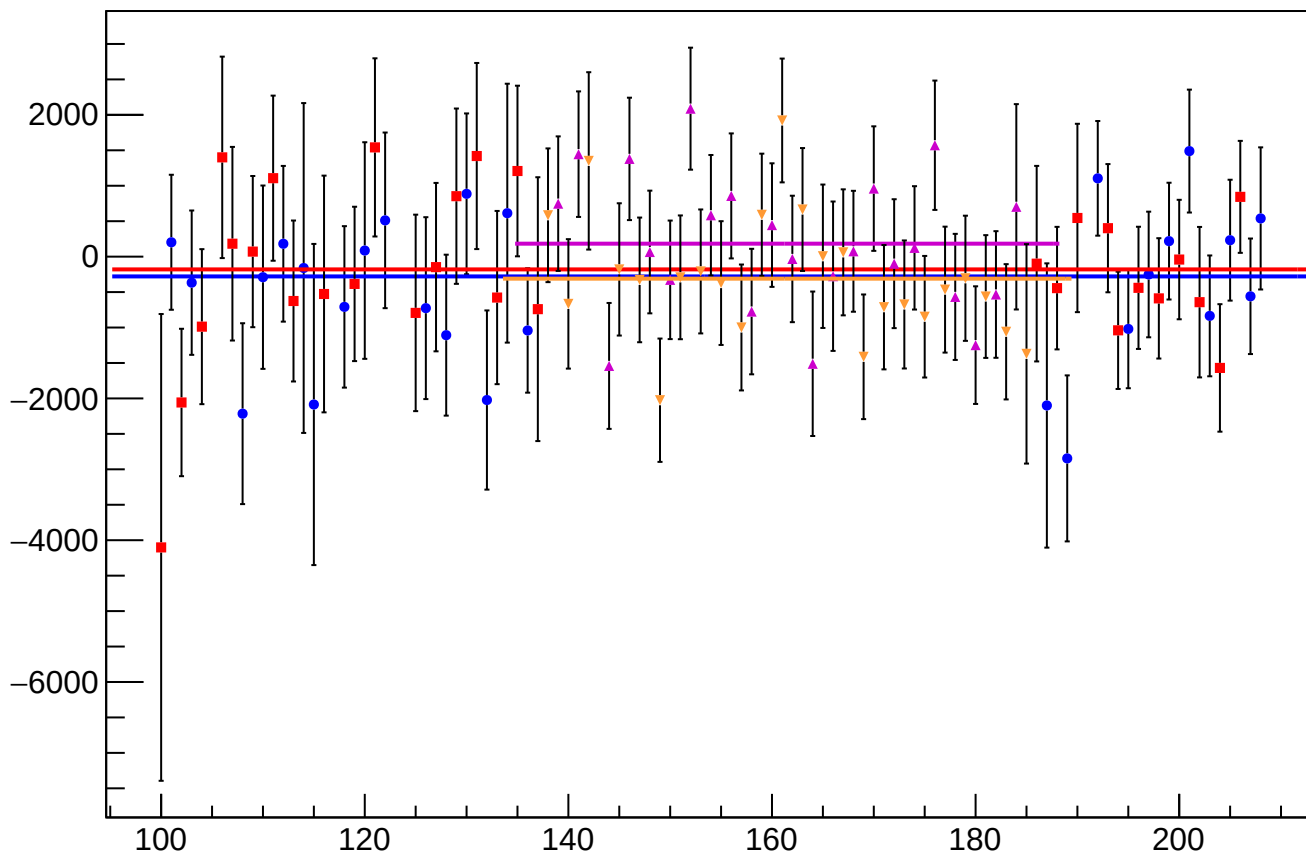
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1623.111 $\pm$ 0.206 χ^2 /NDF: 1459829.1/50

All: 1630.002 $\pm$ 0.146 χ^2 /NDF: 3127236.8/10

- sign 1636.987 $\pm$ 0.207 χ^2 /NDF: 1665150.0/51

reg_asym_us_dd_mean vs Slug



Right In: -278.967 ± 204.144 χ^2/NDF : 24.0/26

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

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

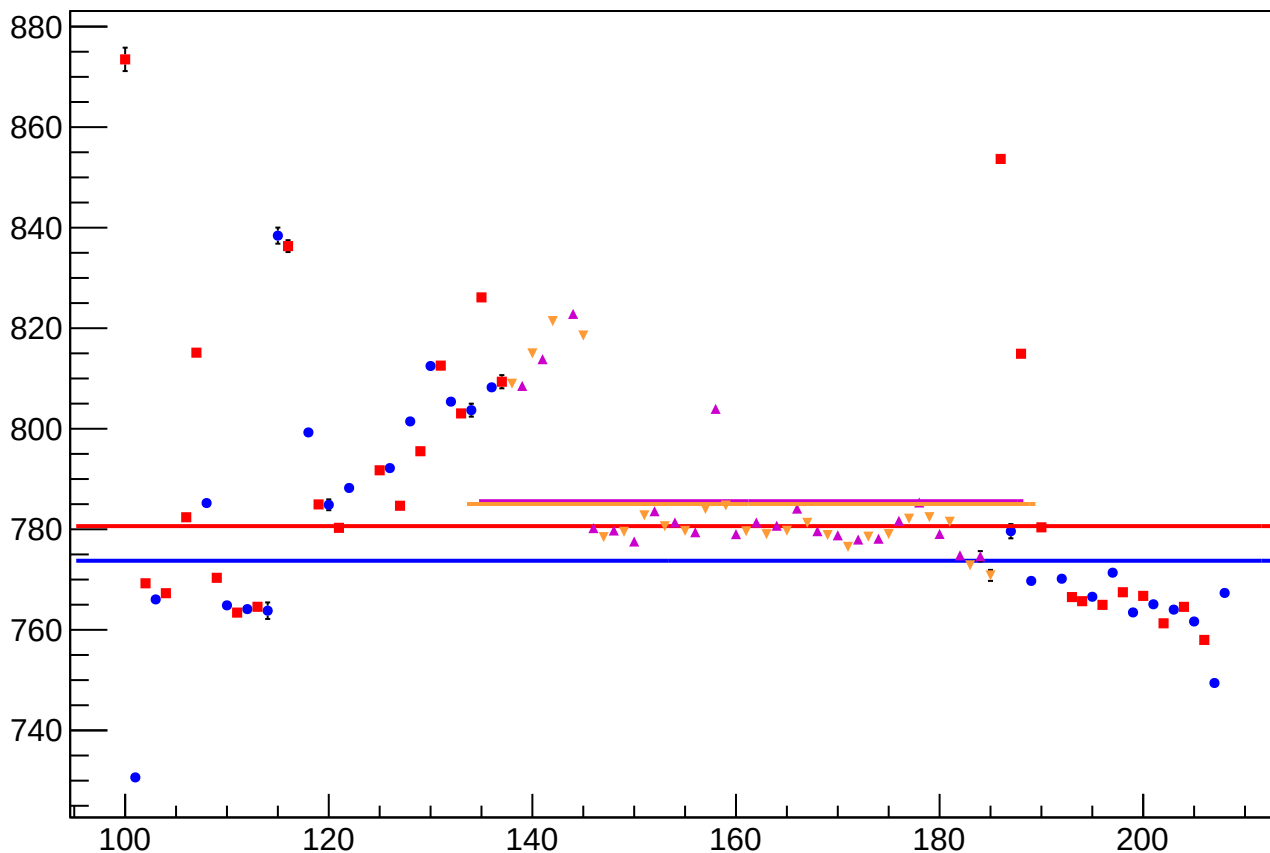
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -296.186 ± 137.707 χ^2/NDF : 44.1/50

All: -140.472 ± 97.453 χ^2/NDF : 94.8/102

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

reg_asym_us_dd_rms vs Slug



Right In: 773.743 $\pm$ 0.144 χ^2 /NDF: 19771.6/26

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

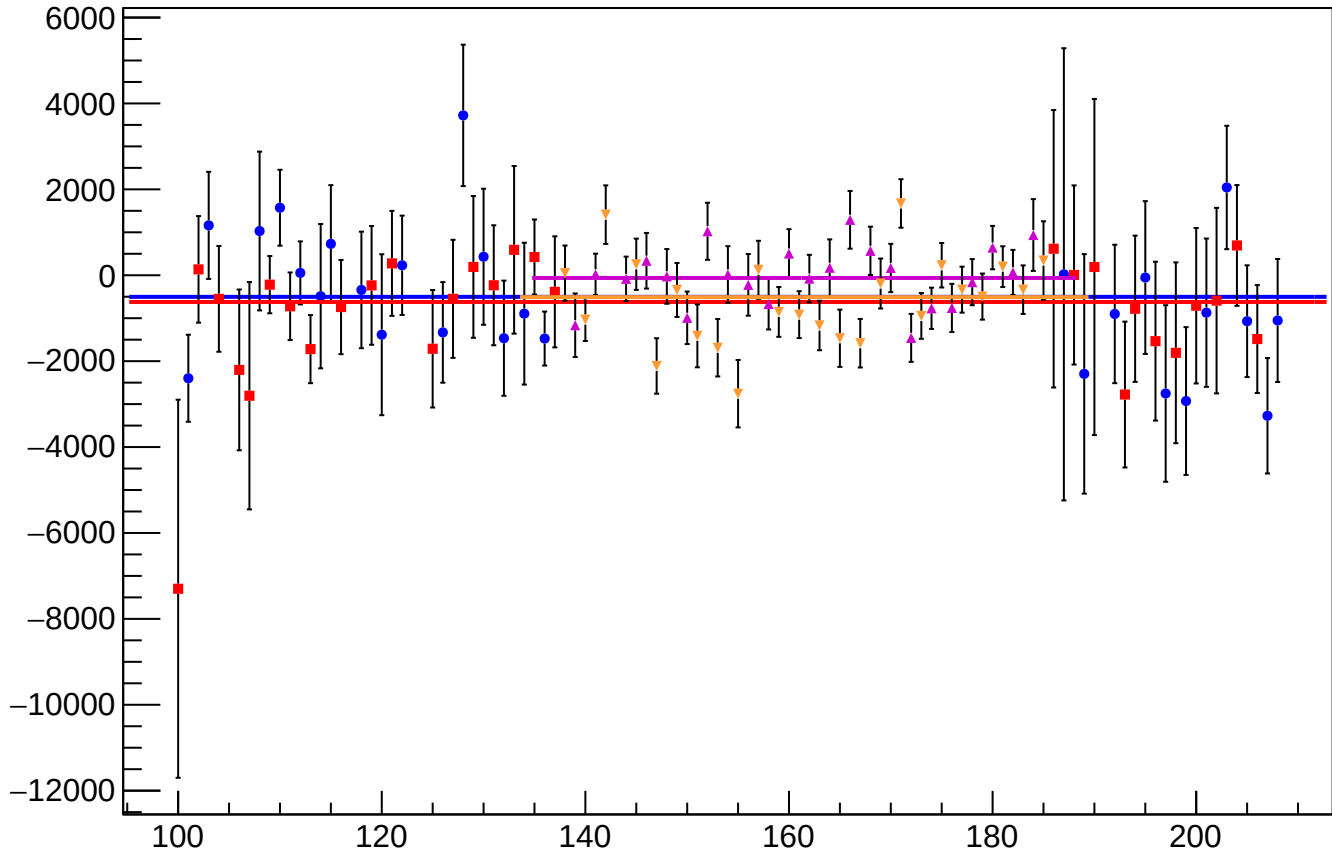
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 779.895 $\pm$ 0.097 χ^2 /NDF: 32471.7/50

All: 781.598 $\pm$ 0.069 χ^2 /NDF: 69947.6/102

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

asym_us_dd_correction_mean vs Slug



Right In: -502.516 ± 247.217 χ^2/NDF : 35.4/26

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

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

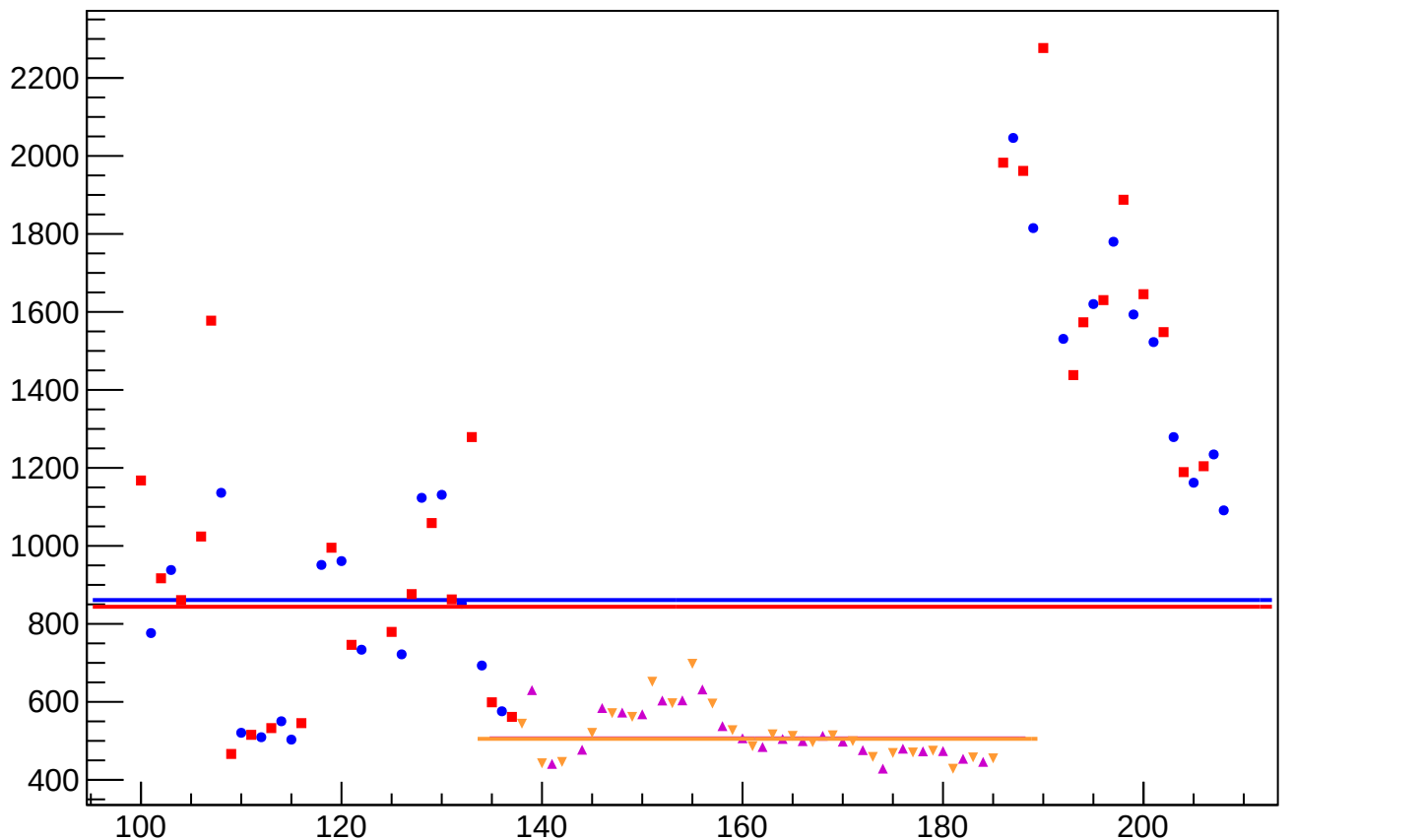
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -507.994 ± 108.818 χ^2/NDF : 95.9/50

All: -341.598 ± 77.098 χ^2/NDF : 147.2/102

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

asym_us_dd_correction_rms vs Slug



Right In: 861.148 $\pm$ 0.175 χ^2 /NDF: 4220302.6/26

Left Out: 505.220 $\pm$ 0.086 χ^2 /NDF: 485593.0/23

Right Out: 843.877 $\pm$ 0.173 χ^2 /NDF: 5512123.0/28

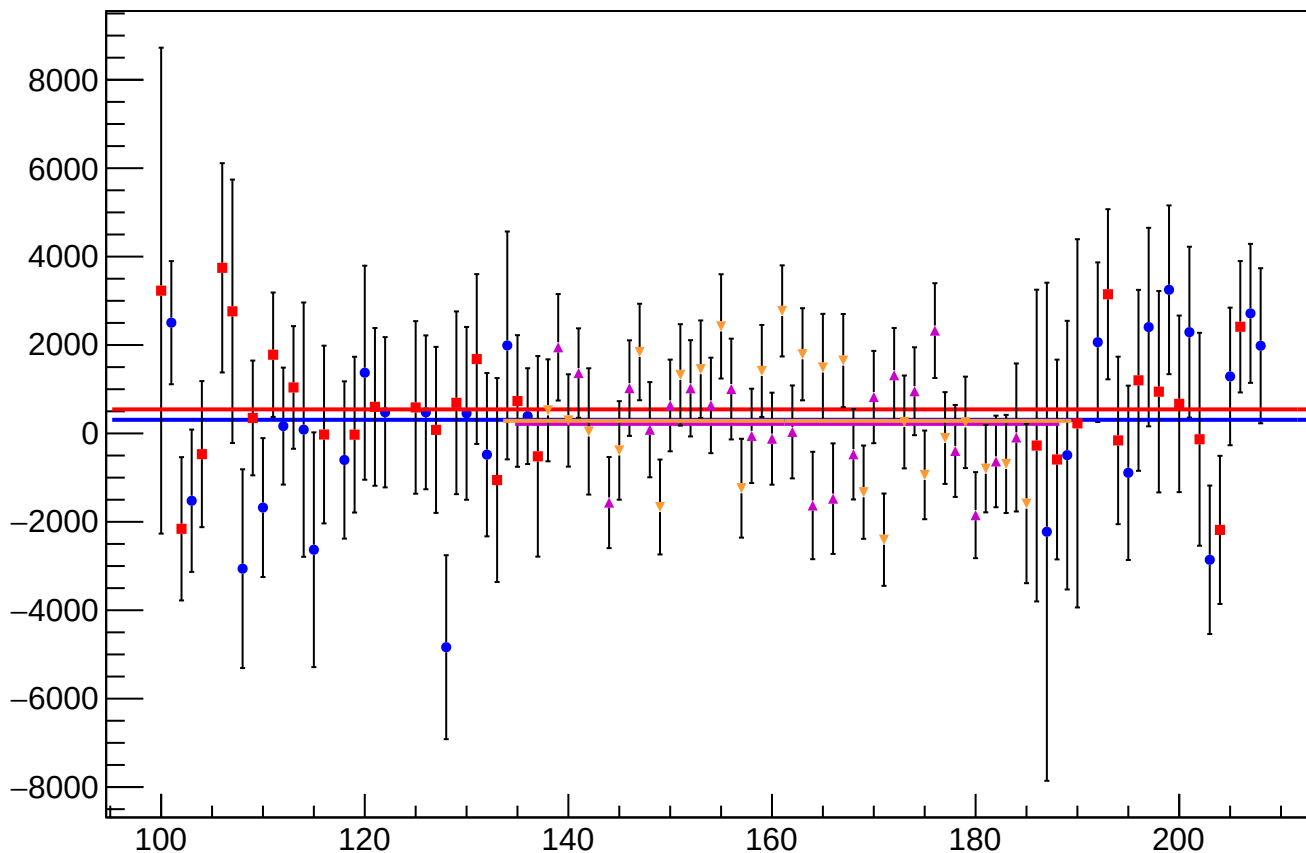
Left In: 506.380 $\pm$ 0.086 χ^2 /NDF: 436294.4/22

+ sign 574.182 $\pm$ 0.077 χ^2 /NDF: 8048351.1/50

All: 573.810 $\pm$ 0.055 χ^2 /NDF: 17035528.9/100

- sign 573.436 $\pm$ 0.077 χ^2 /NDF: 8987130.9/51

asym_us_dd_mean vs Slug



Right In: 308.281 $\pm$ 348.590 χ^2 /NDF: 29.2/26

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

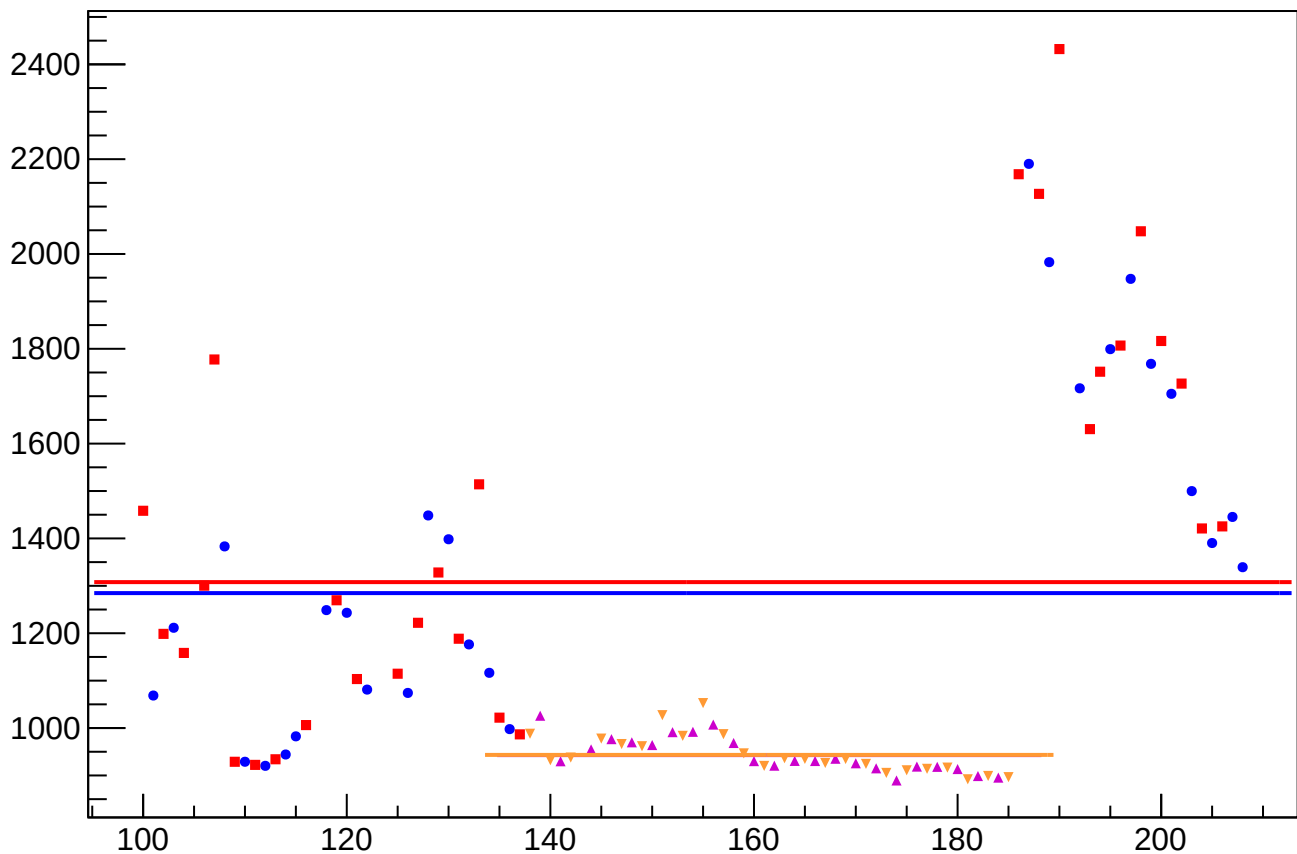
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF: 24.4/22

+ sign 291.922 $\pm$ 188.672 χ^2 /NDF: 67.4/50

All: 301.359 $\pm$ 133.937 χ^2 /NDF: 107.2/102

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

asym_us_dd_rms vs Slug



Right In: 1284.656+/-0.246 χ^2/NDF : 1468326.9/26

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

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

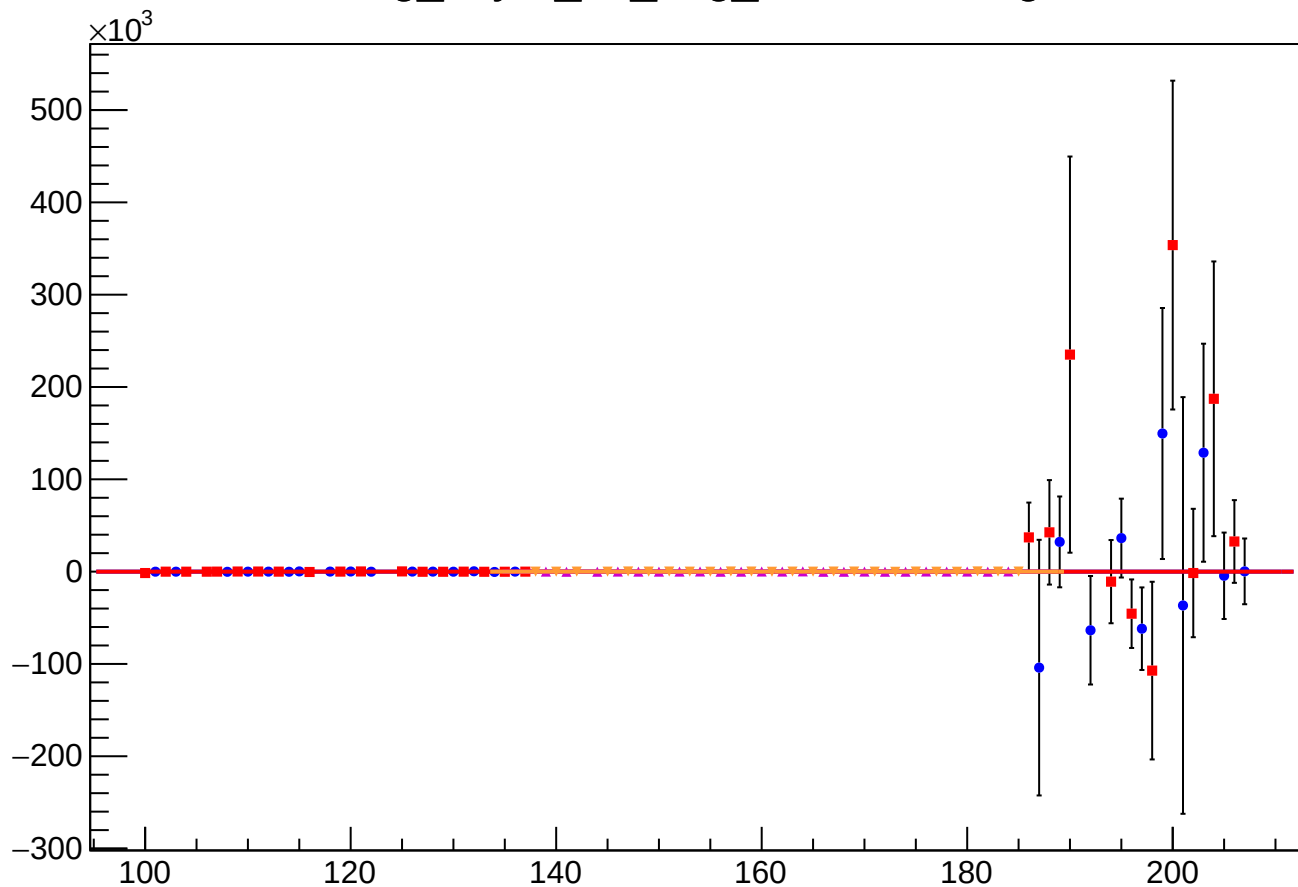
Left In: 942.927+/-0.160 χ^2/NDF :48402.9/22

+ sign 1043.334+/-0.133 χ^2/NDF : 2884323.4/50

All: 1045.920+/-0.095 χ^2/NDF : 6459516.8/10

- 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

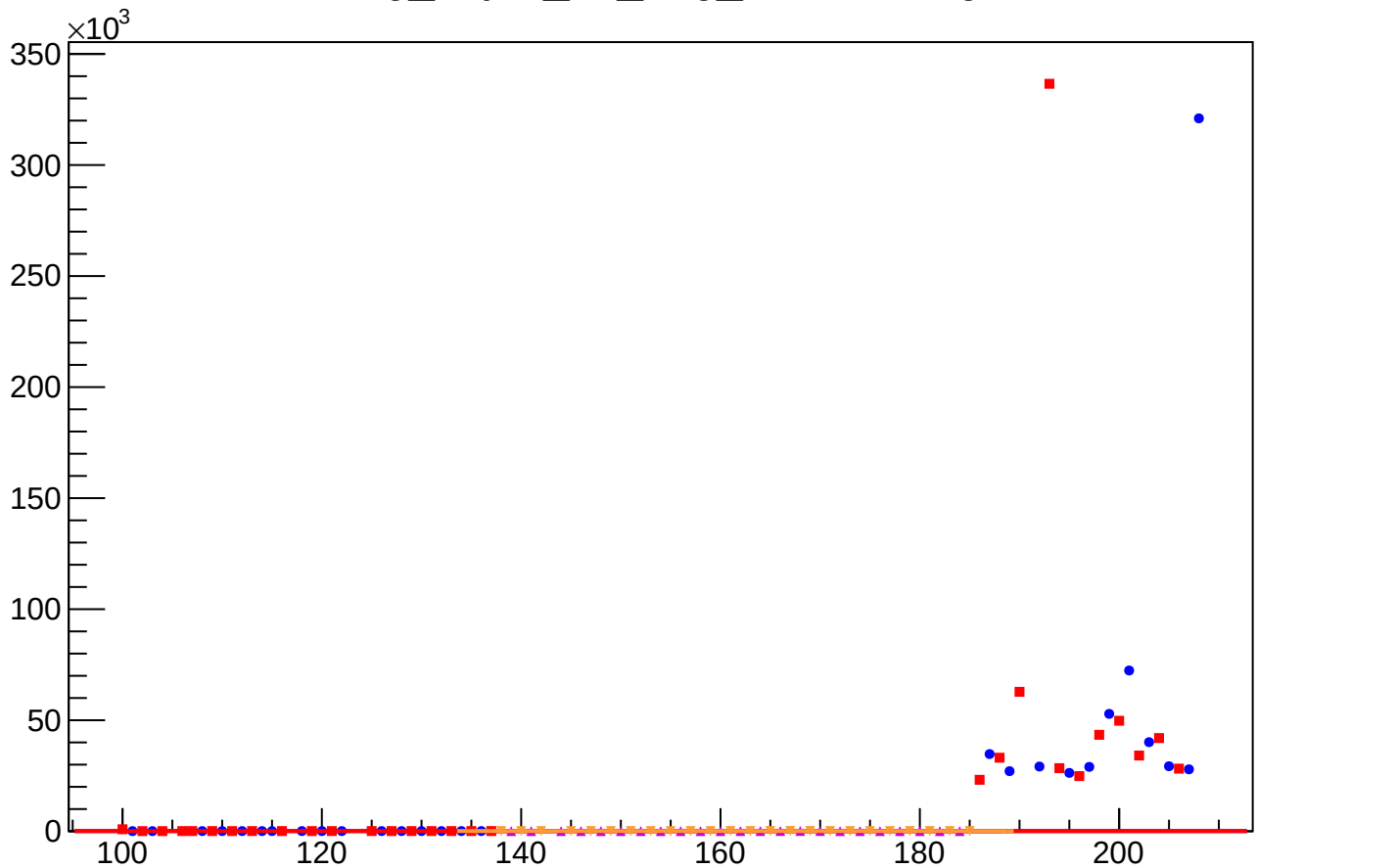
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ 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: 76.139 $\pm$ 0.021 χ^2 /NDF: 6229053.6/26

Left Out: 89.692 $\pm$ 0.015 χ^2 /NDF: 466281.5/23

Right Out: 79.455 $\pm$ 0.022 χ^2 /NDF: 5795031.1/28

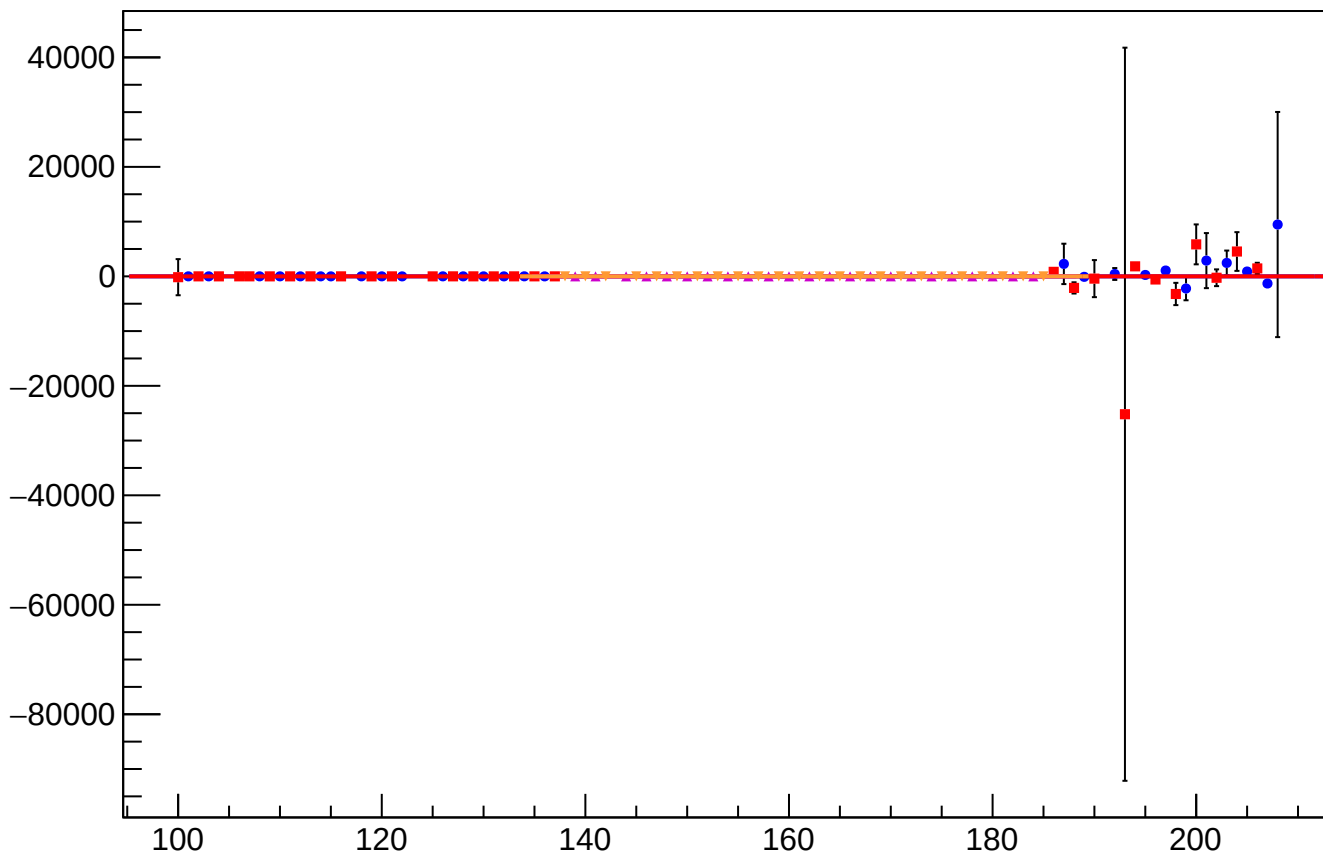
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.109 $\pm$ 0.012 χ^2 /NDF: 6964931.3/50

All: 85.655 $\pm$ 0.009 χ^2 /NDF: 13419778.5/102

- sign 86.210 $\pm$ 0.012 χ^2 /NDF: 6450902.7/51

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 31.1/26

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

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

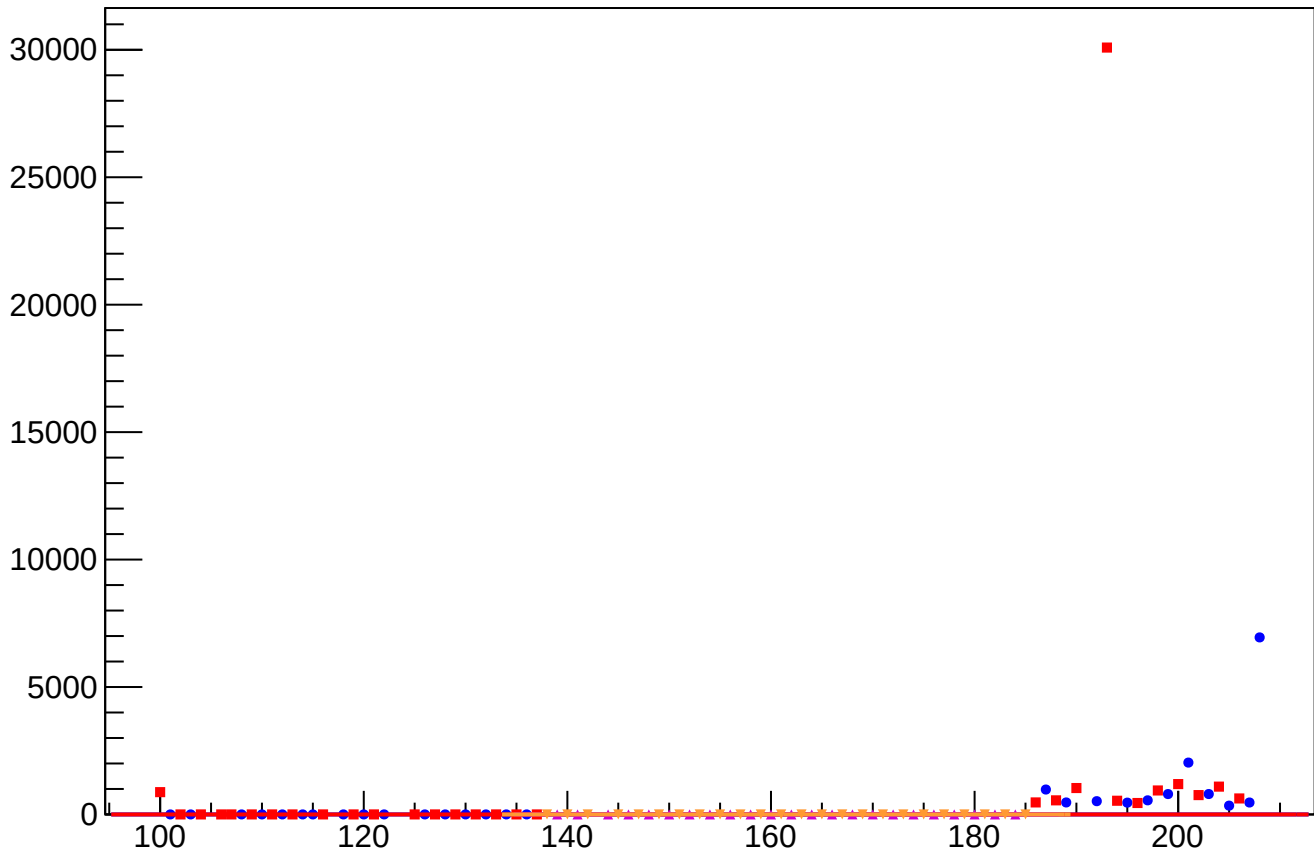
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 ± 0.301 χ^2/NDF : 52.8/50

All: 0.144 ± 0.217 χ^2/NDF : 109.6/102

- 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 : 5537016.2/26

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

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

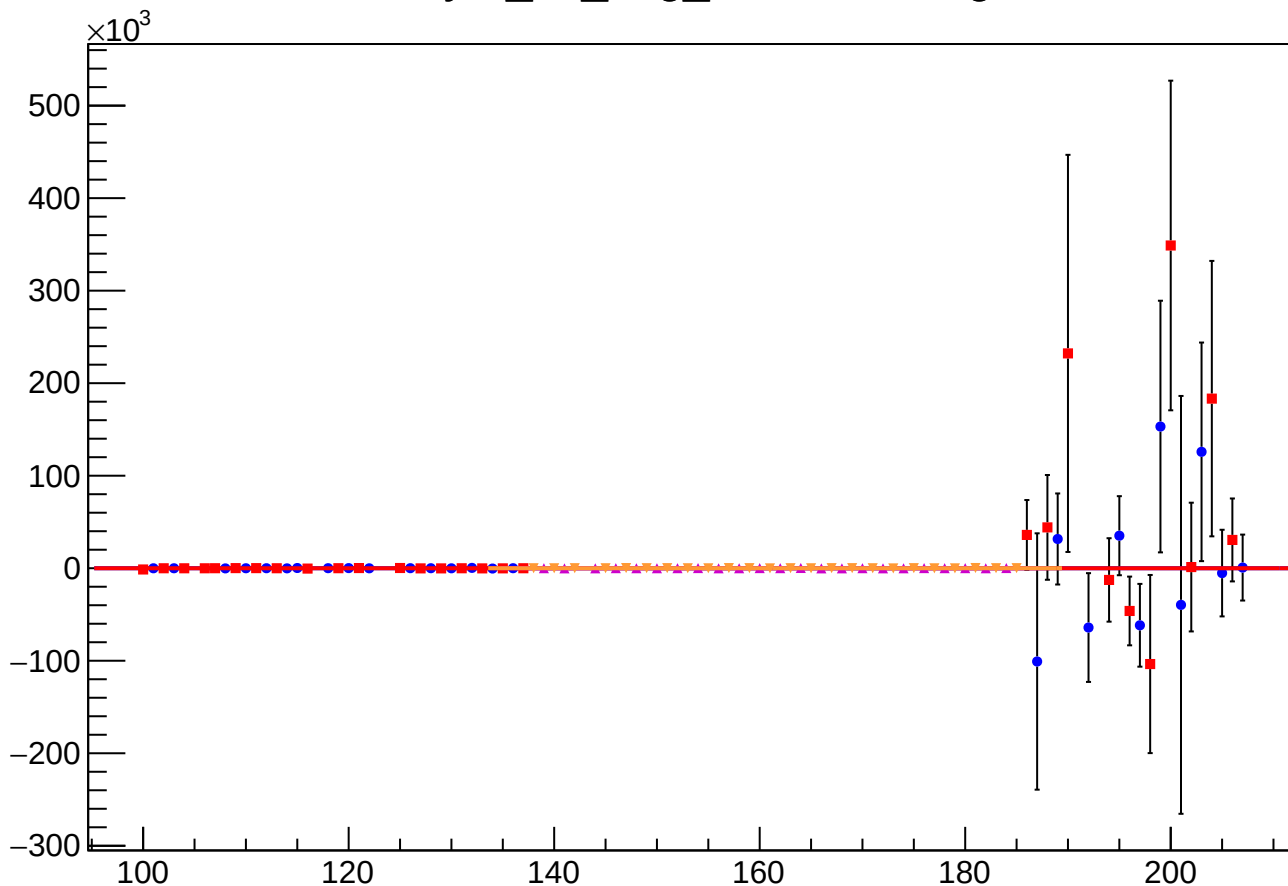
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 6855248.1/50

All: 1.350+/-0.000 χ^2/NDF : 14001731.1/102

- 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

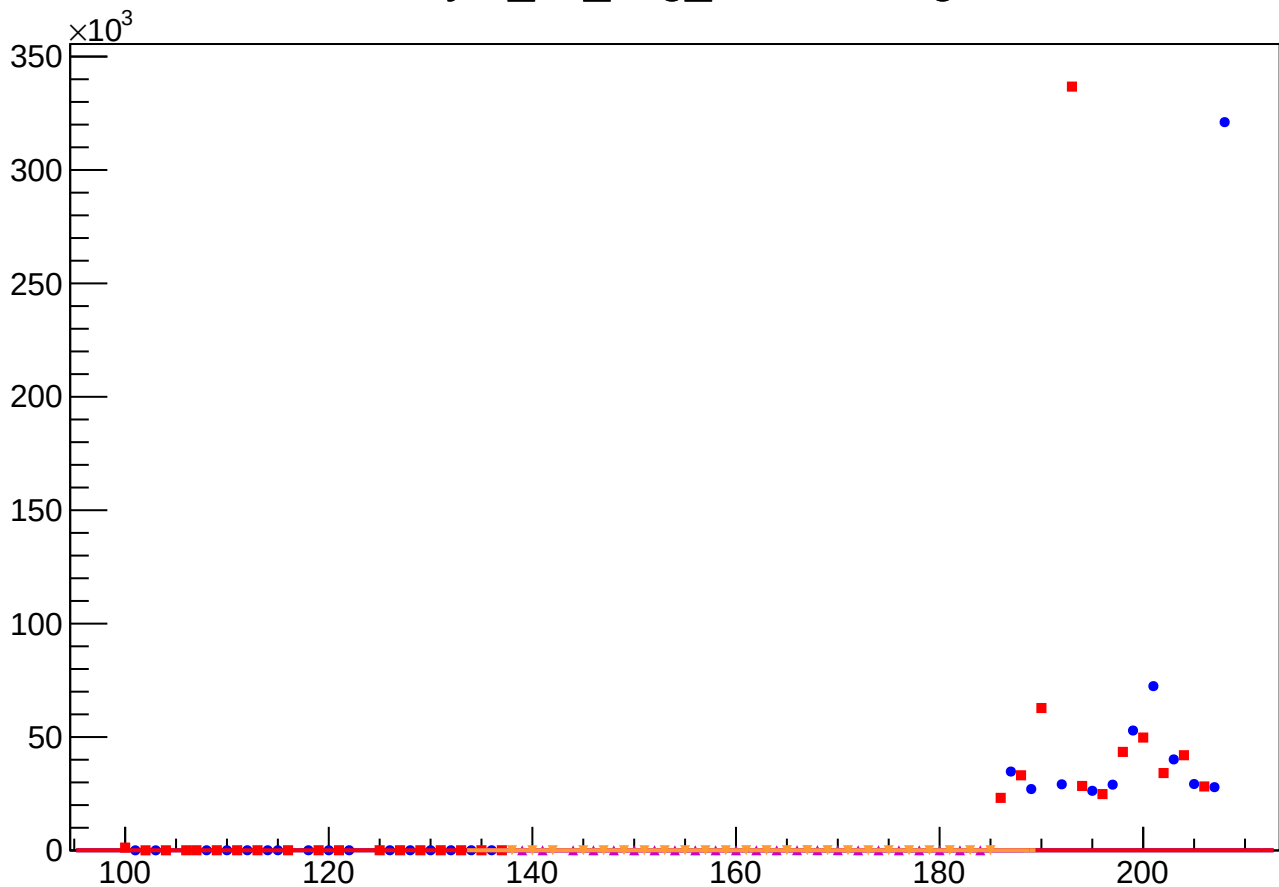
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ 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



Right In: 76.158 $\pm$ 0.021 χ^2 /NDF: 6229157.5/26

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

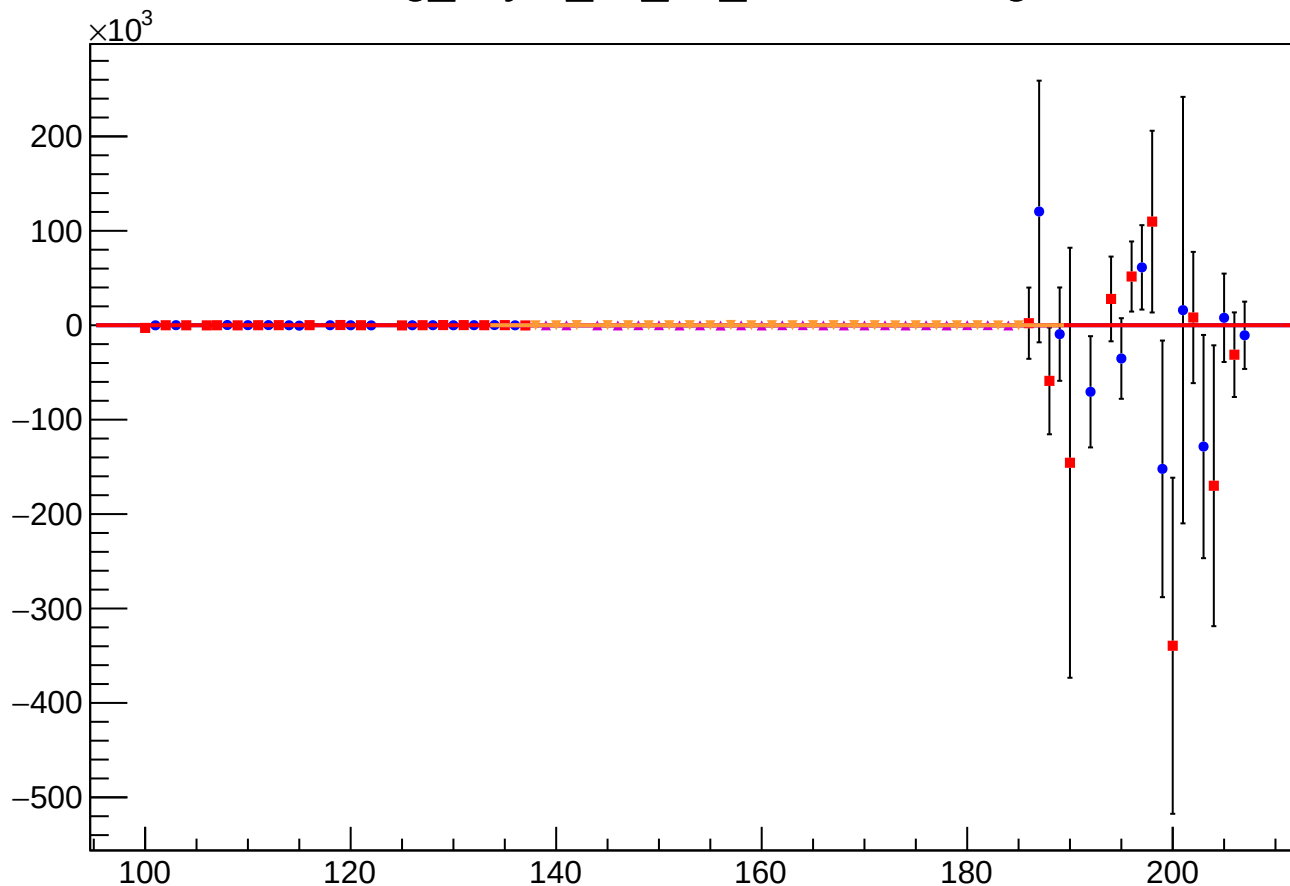
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.133 $\pm$ 0.012 χ^2 /NDF: 6965904.8/50

All: 85.676 $\pm$ 0.009 χ^2 /NDF: 13428807.7/102

- 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

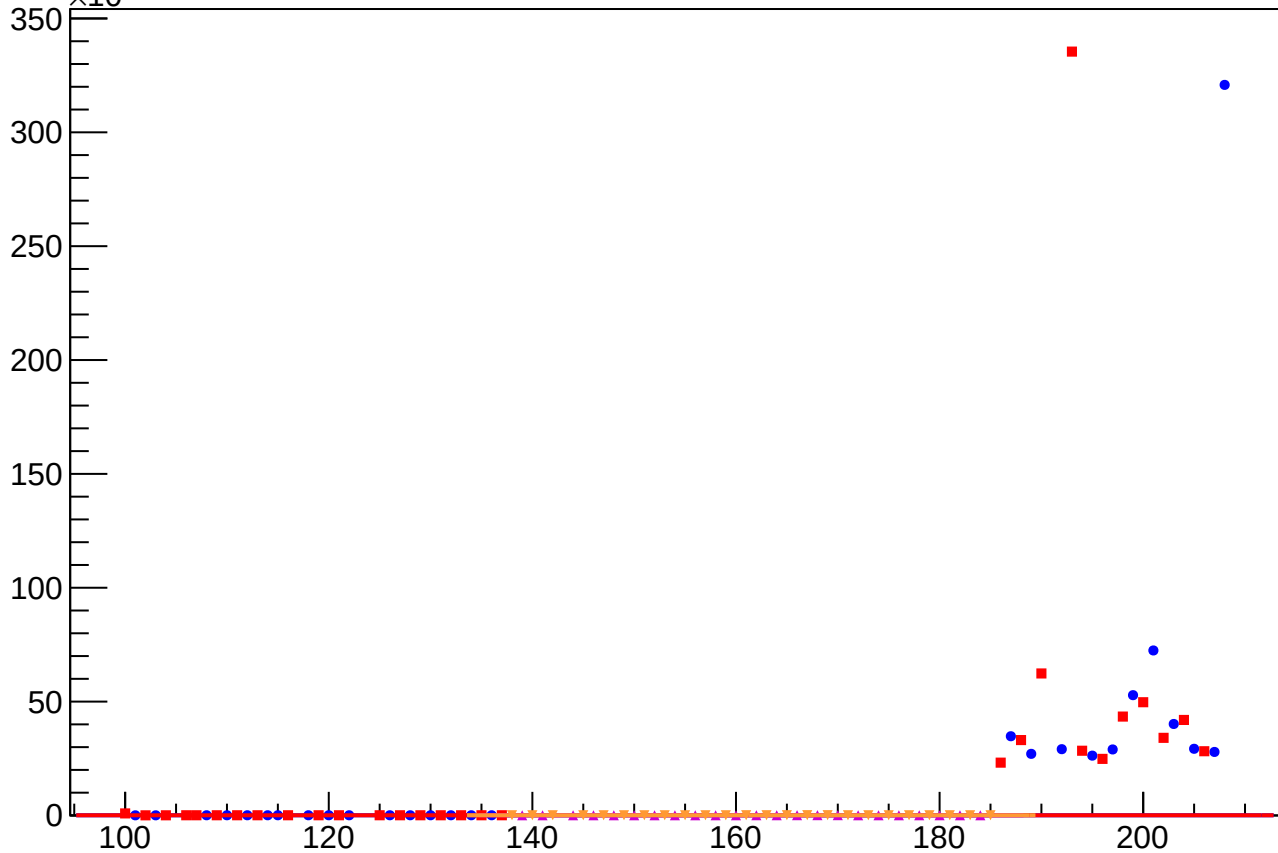
+ sign 12.841 ± 17.463 χ^2/NDF : 38.6/49

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: 6228246.6/26

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

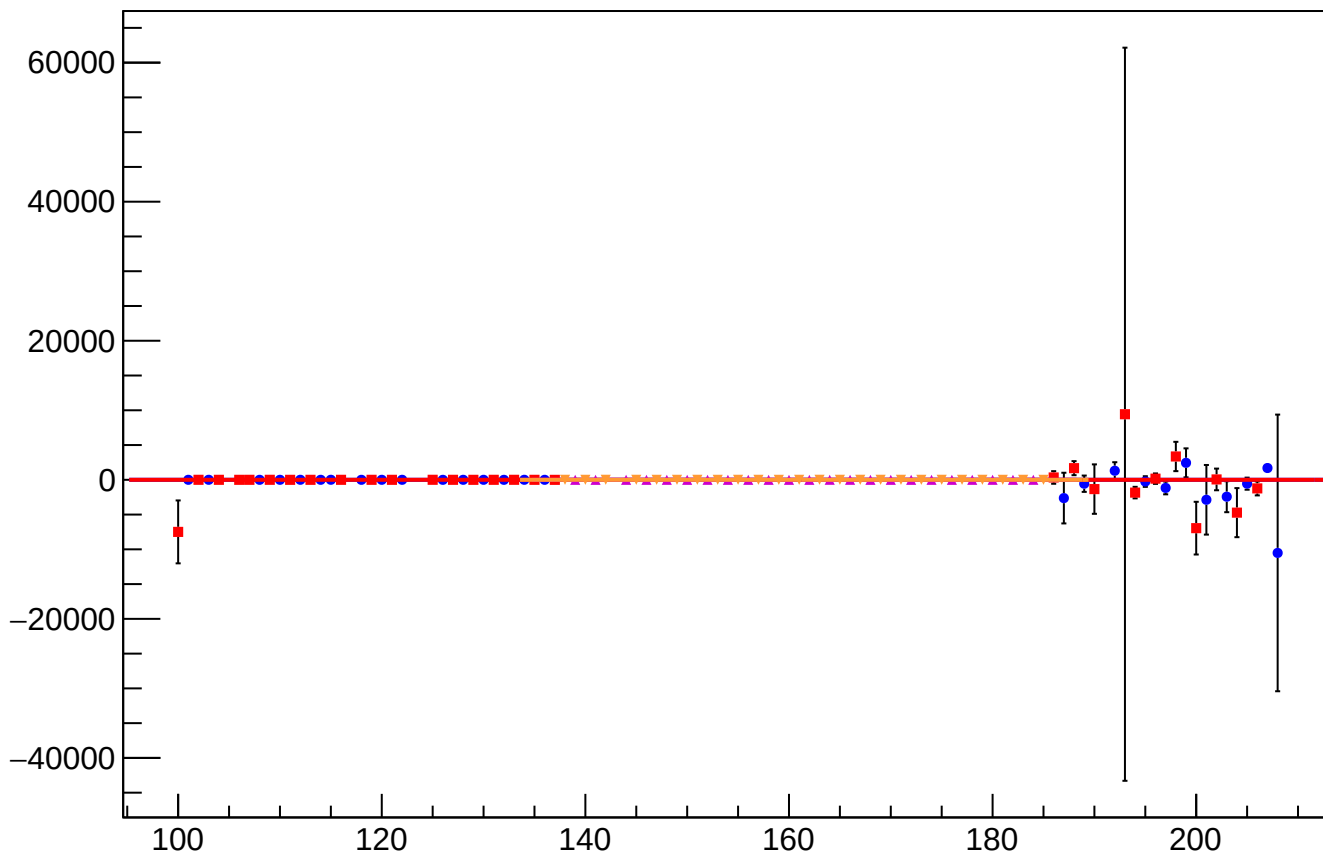
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.100 $\pm$ 0.012 χ^2 /NDF: 6965898.1/50

All: 85.650 $\pm$ 0.009 χ^2 /NDF: 13425065.0/102

- 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 : 25.7/26

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

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

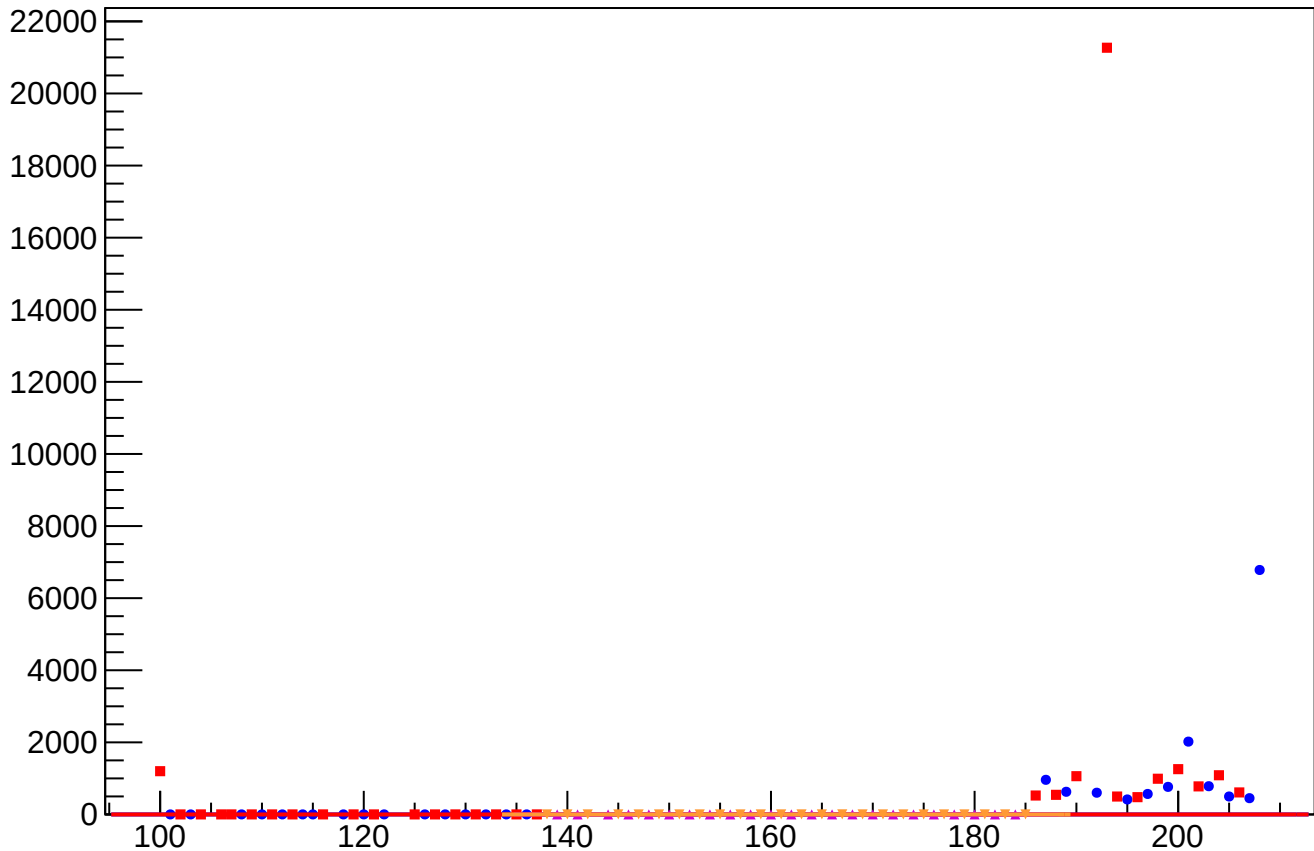
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 51.0/50

All: -0.045 ± 0.224 χ^2/NDF : 102.4/102

- 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 : 5825783.3/26

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

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

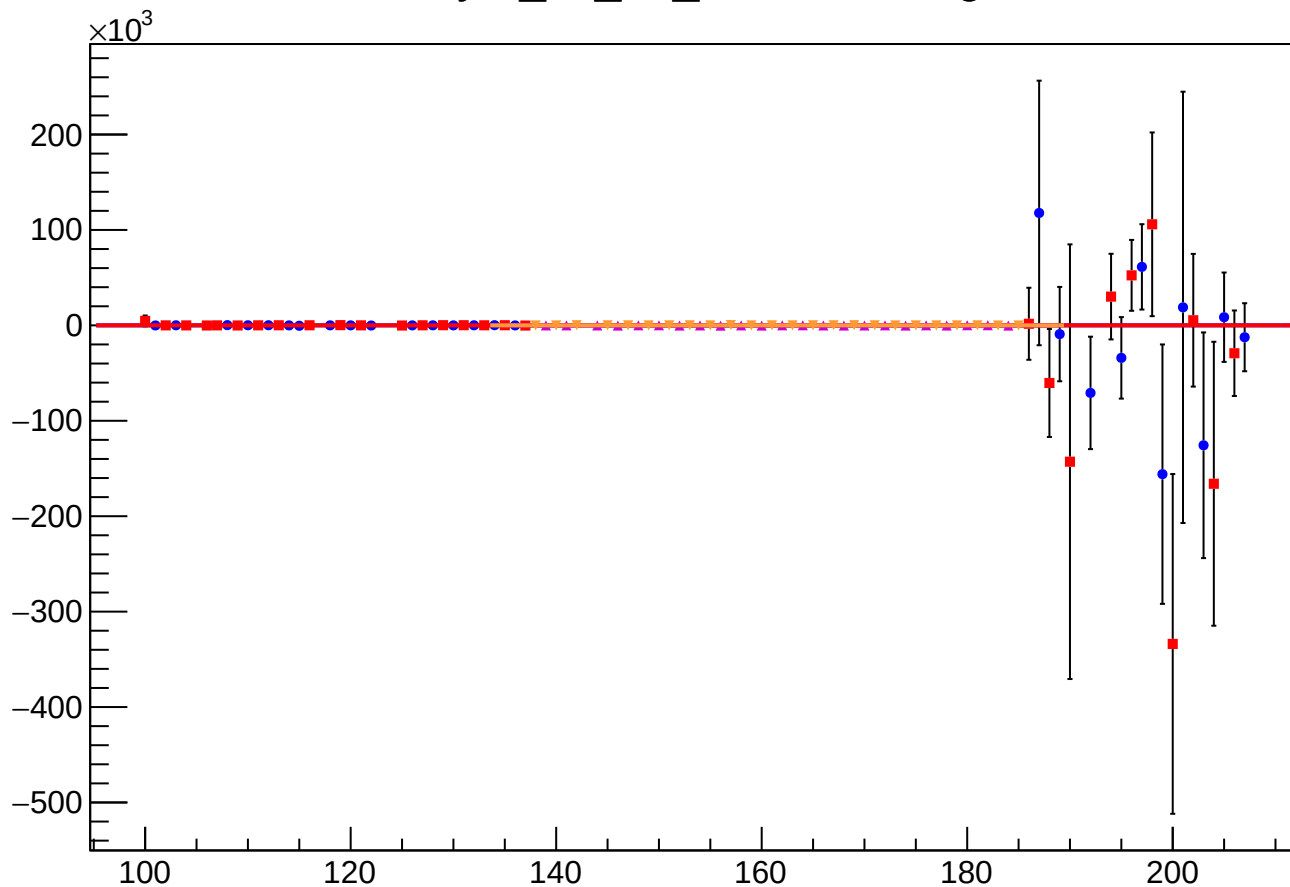
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 7236504.7/50

All: 1.400+/-0.000 χ^2/NDF : 14272298.0/102

- 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

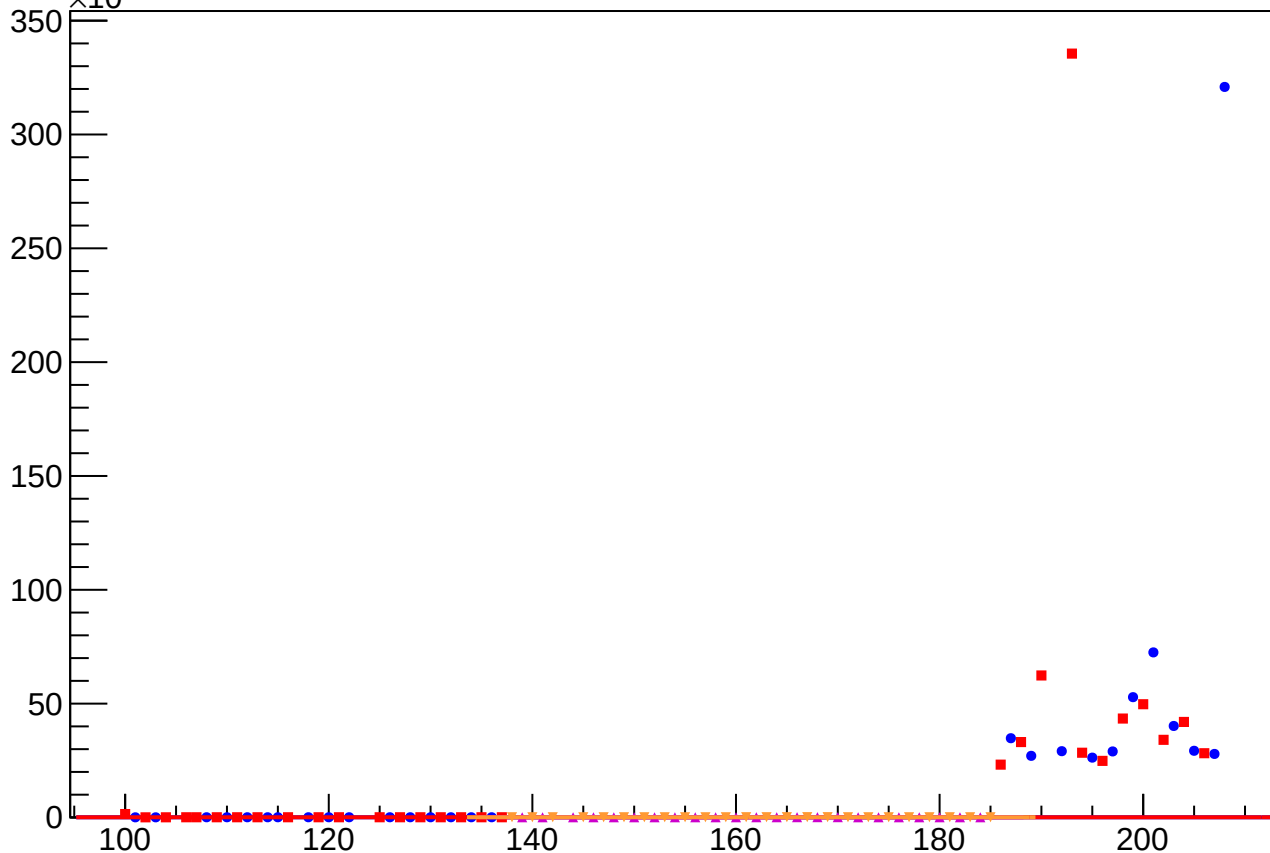
+ sign 12.929 ± 17.468 χ^2/NDF : 38.3/49

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: 6228388.4/26

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

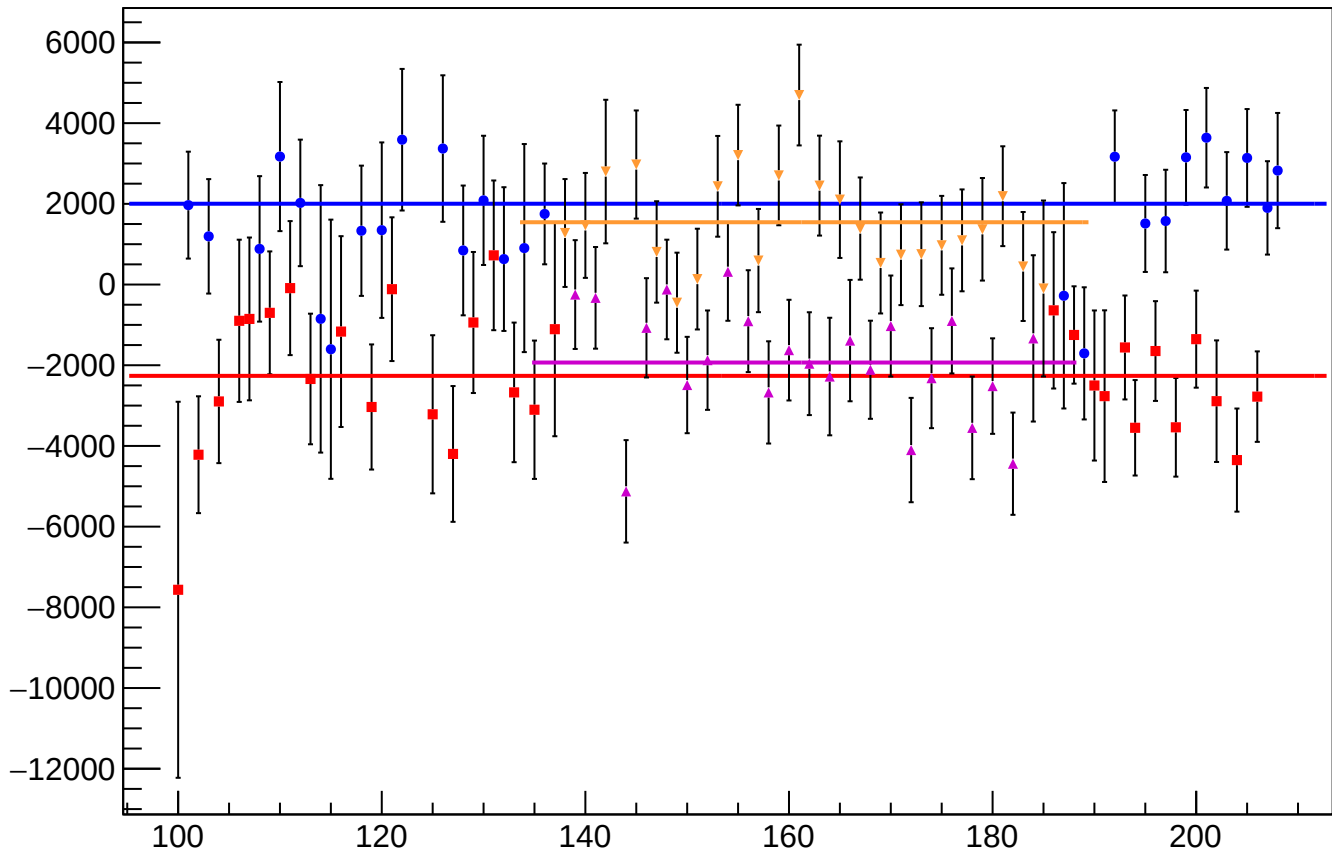
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.125 $\pm$ 0.012 χ^2 /NDF: 6966912.4/50

All: 85.671 $\pm$ 0.009 χ^2 /NDF: 13436959.6/102

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

reg_asym_usl_mean vs Slug



Right In: 2002.723+/-289.536 χ^2/NDF : 17.1/26

Left Out: 1544.102+/-266.270 χ^2/NDF : 20.0/23

Right Out: -2263.177+/-286.038 χ^2/NDF : 22.1/29

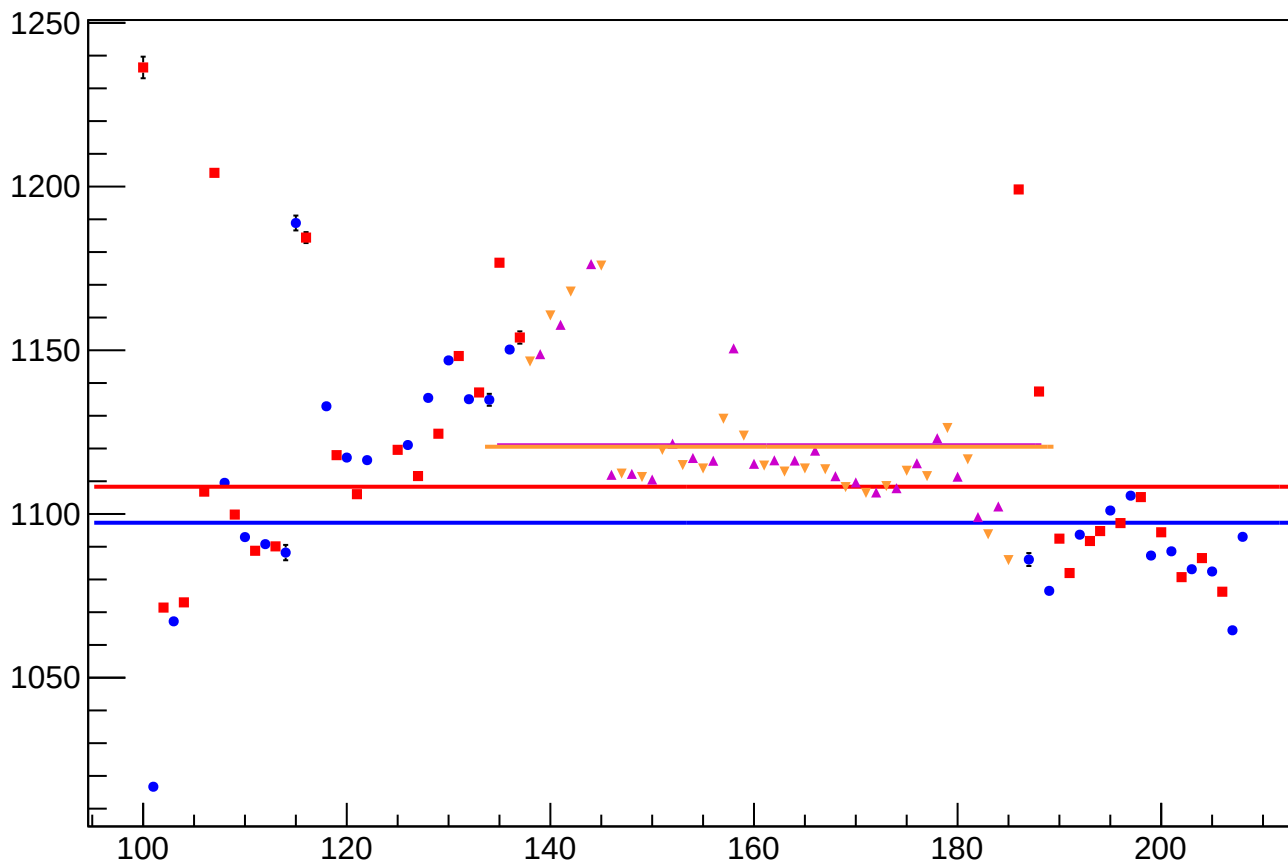
Left In: -1933.000+/-268.006 χ^2/NDF : 27.0/22

+ sign 1754.248+/-195.991 χ^2/NDF : 38.5/50

All: -170.651+/-138.439 χ^2/NDF : 280.8/103

- sign -2087.354+/-195.573 χ^2/NDF : 49.8/52

reg_asym_usl_rms vs Slug



Right In: 1097.325+/-0.205 χ^2/NDF : 22689.3/26

Left Out: 1120.543+/-0.188 χ^2/NDF : 10252.7/23

Right Out: 1108.326+/-0.202 χ^2/NDF : 26574.8/29

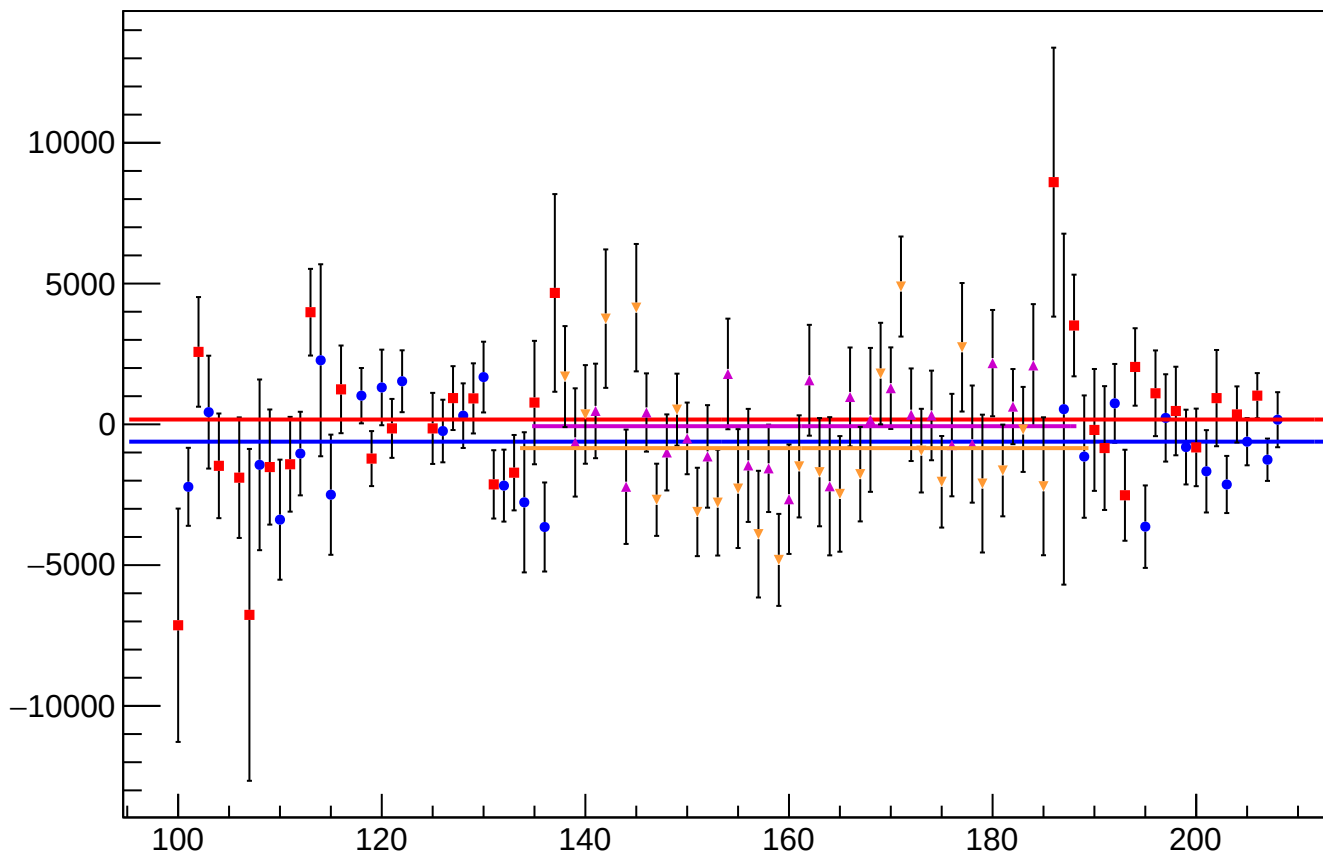
Left In: 1120.991+/-0.190 χ^2/NDF : 9641.8/22

+ sign 1109.904+/-0.139 χ^2/NDF : 39909.7/50

All: 1112.493+/-0.098 χ^2/NDF : 78910.4/103

- sign 1115.070+/-0.138 χ^2/NDF : 38304.5/52

asym_usl_correction_mean vs Slug



Right In: -614.871 ± 253.793 χ^2/NDF : 33.3/26

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

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

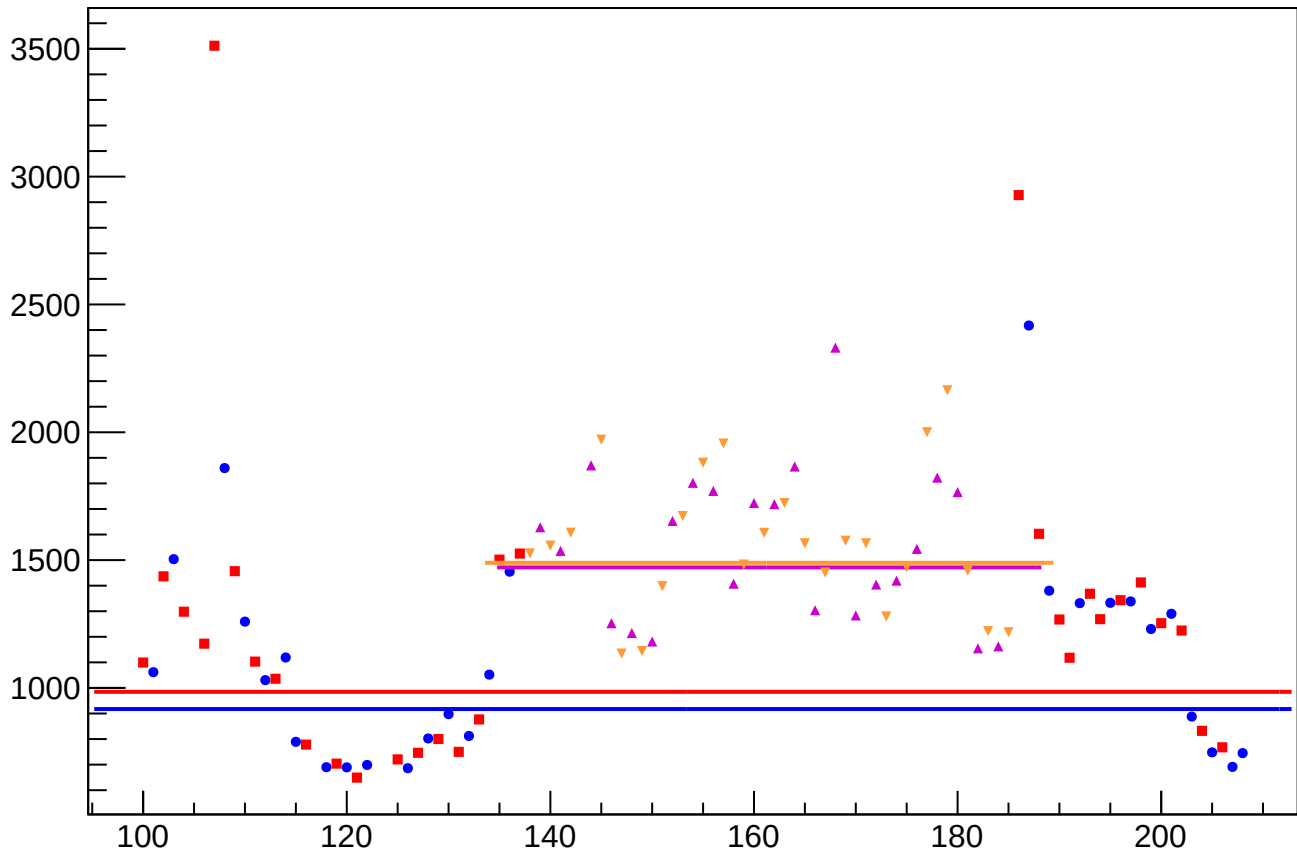
Left In: -65.738 ± 358.785 χ^2/NDF : 12.1/22

+ sign -690.953 ± 207.647 χ^2/NDF : 76.8/50

All: -316.765 ± 149.509 χ^2/NDF : 135.9/103

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

asym_usl_correction_rms vs Slug



Right In: 917.409+/-0.179 χ^2/NDF : 2322945.0/26

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

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

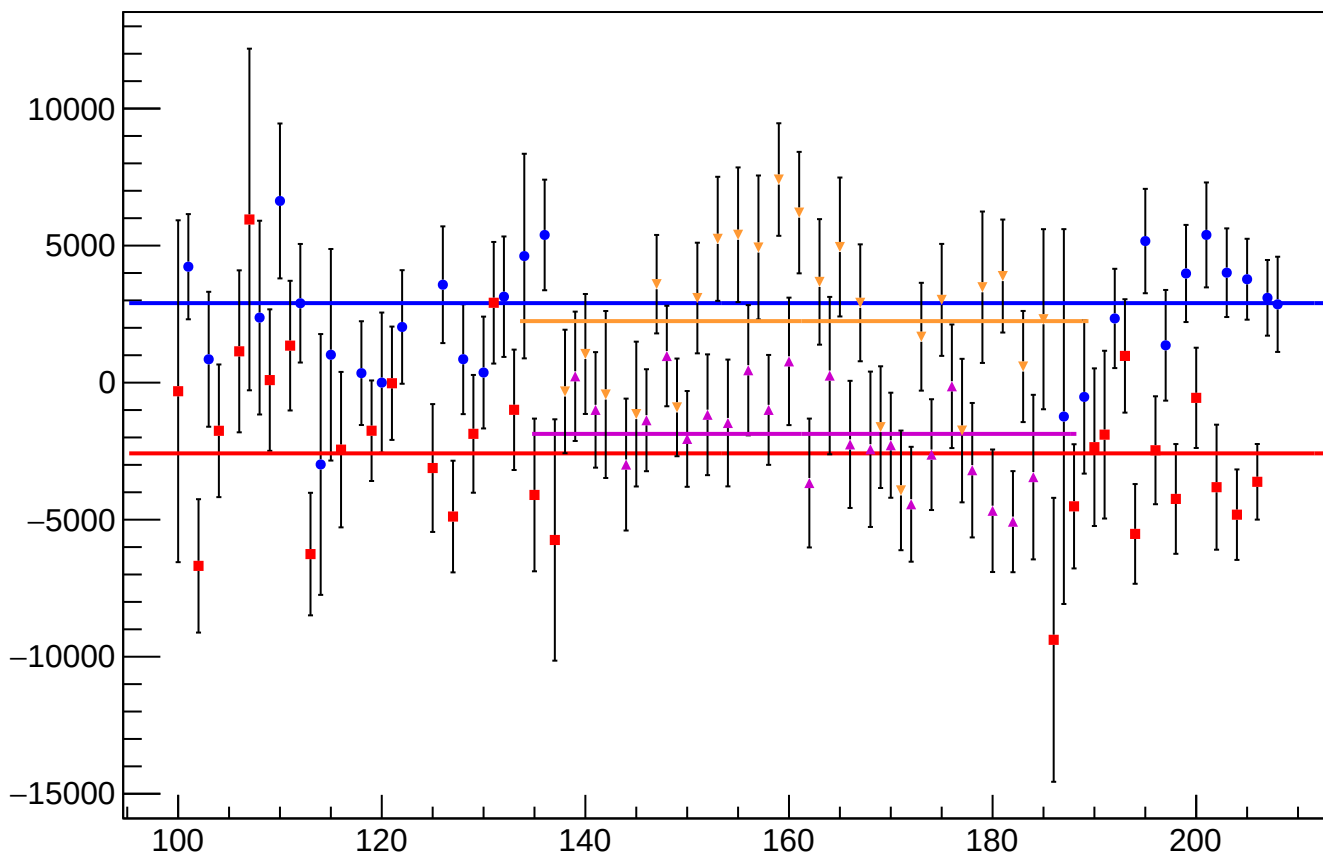
Left In: 1471.394+/-0.254 χ^2/NDF :1105310.5/22

+ sign 1106.542+/-0.147 χ^2/NDF : 6691918.6/50

All: 1132.419+/-0.106 χ^2/NDF : 13127718.9/100

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

asym_usl_mean vs Slug



Right In: 2901.144 ± 403.898 χ^2/NDF : 19.3/26

Left Out: 2244.415 ± 456.474 χ^2/NDF : 38.6/23

Right Out: -2580.819 ± 414.905 χ^2/NDF : 36.4/29

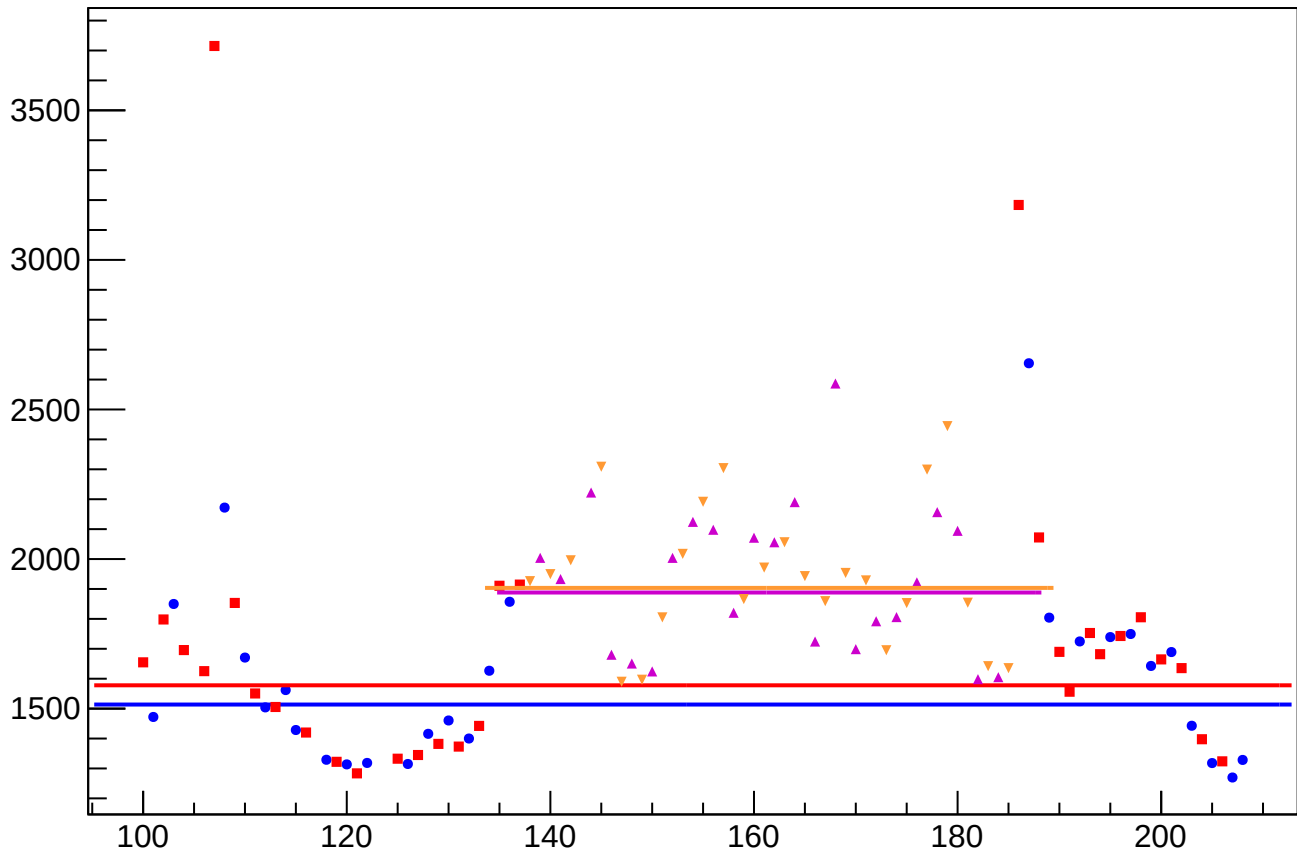
Left In: -1869.792 ± 455.465 χ^2/NDF : 14.9/22

+ sign 2612.763 ± 302.487 χ^2/NDF : 59.0/50

All: 211.049 ± 215.372 χ^2/NDF : 239.5/103

- sign -2258.368 ± 306.721 χ^2/NDF : 52.6/52

asym_usl_rms vs Slug



Right In: 1513.652+/-0.286 χ^2/NDF : 563931.4/26

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

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

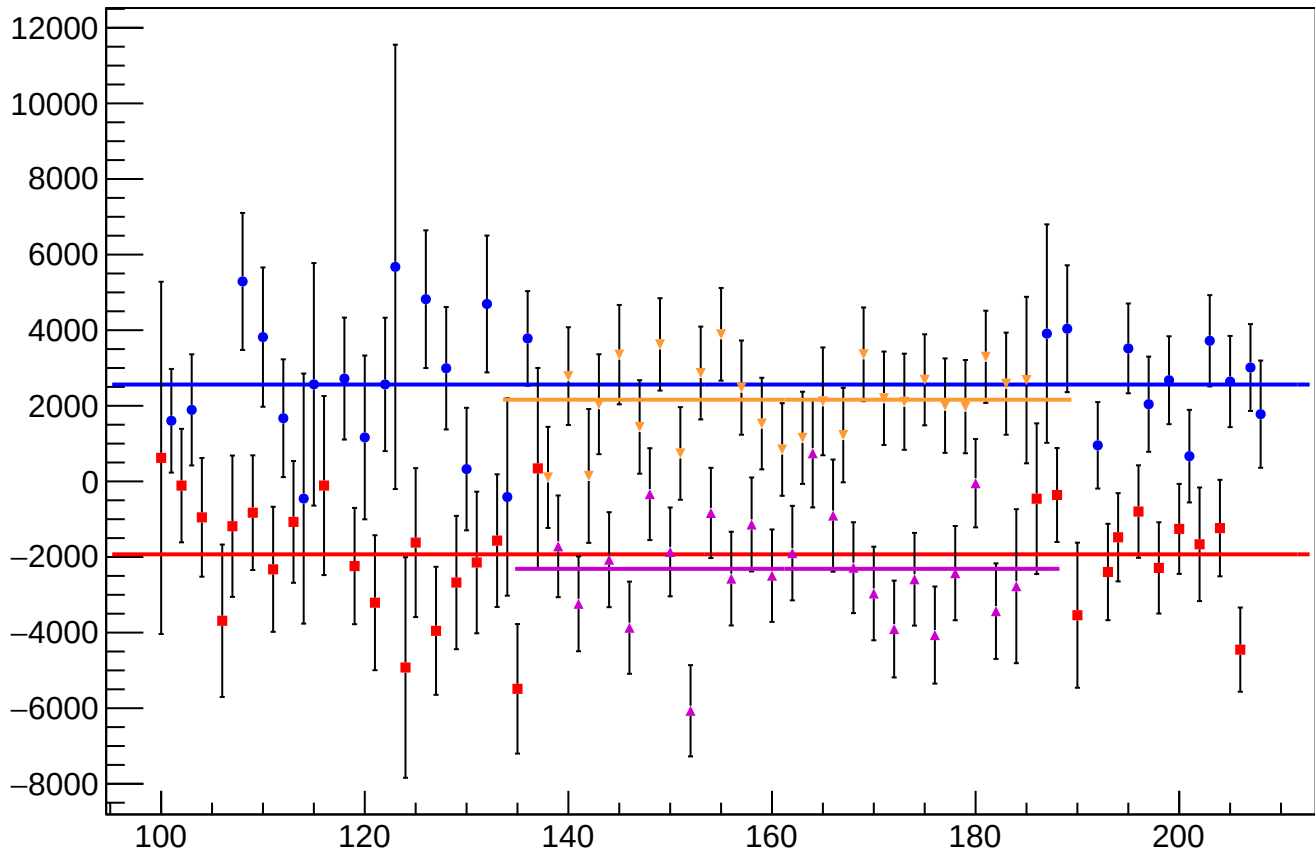
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1684.877+/-0.214 χ^2/NDF : 1844256.8/50

All: 1701.511+/-0.152 χ^2/NDF : 3814318.7/10

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

reg_asym_usr_mean vs Slug



Right In: 2562.688 $\pm$ 289.785 χ^2 /NDF: 20.0/27

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

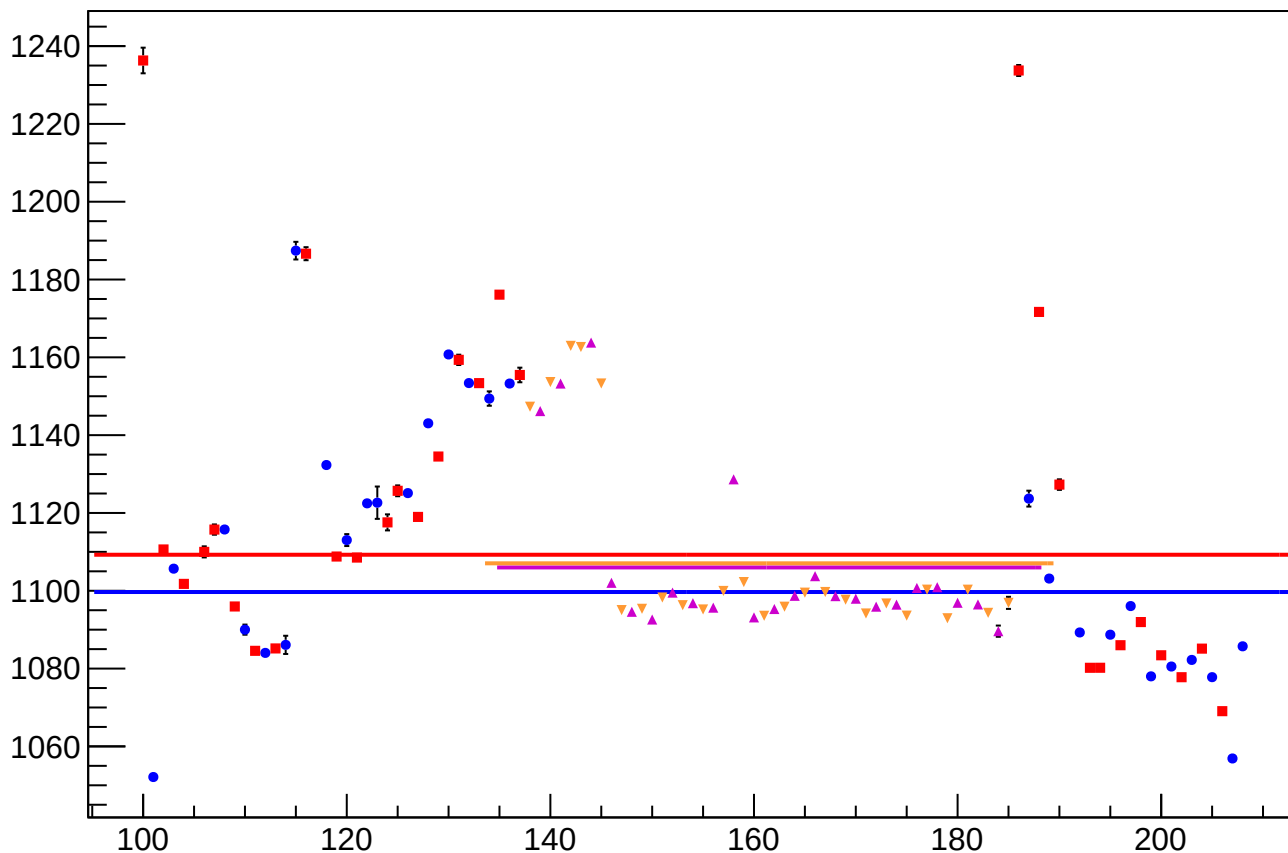
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2338.482 $\pm$ 192.494 χ^2 /NDF: 36.2/52

All: 124.733 $\pm$ 136.849 χ^2 /NDF: 358.5/105

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

reg_asym_usr_rms vs Slug



Right In: 1099.681 $\pm$ 0.205 χ^2 /NDF: 22181.1/27

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

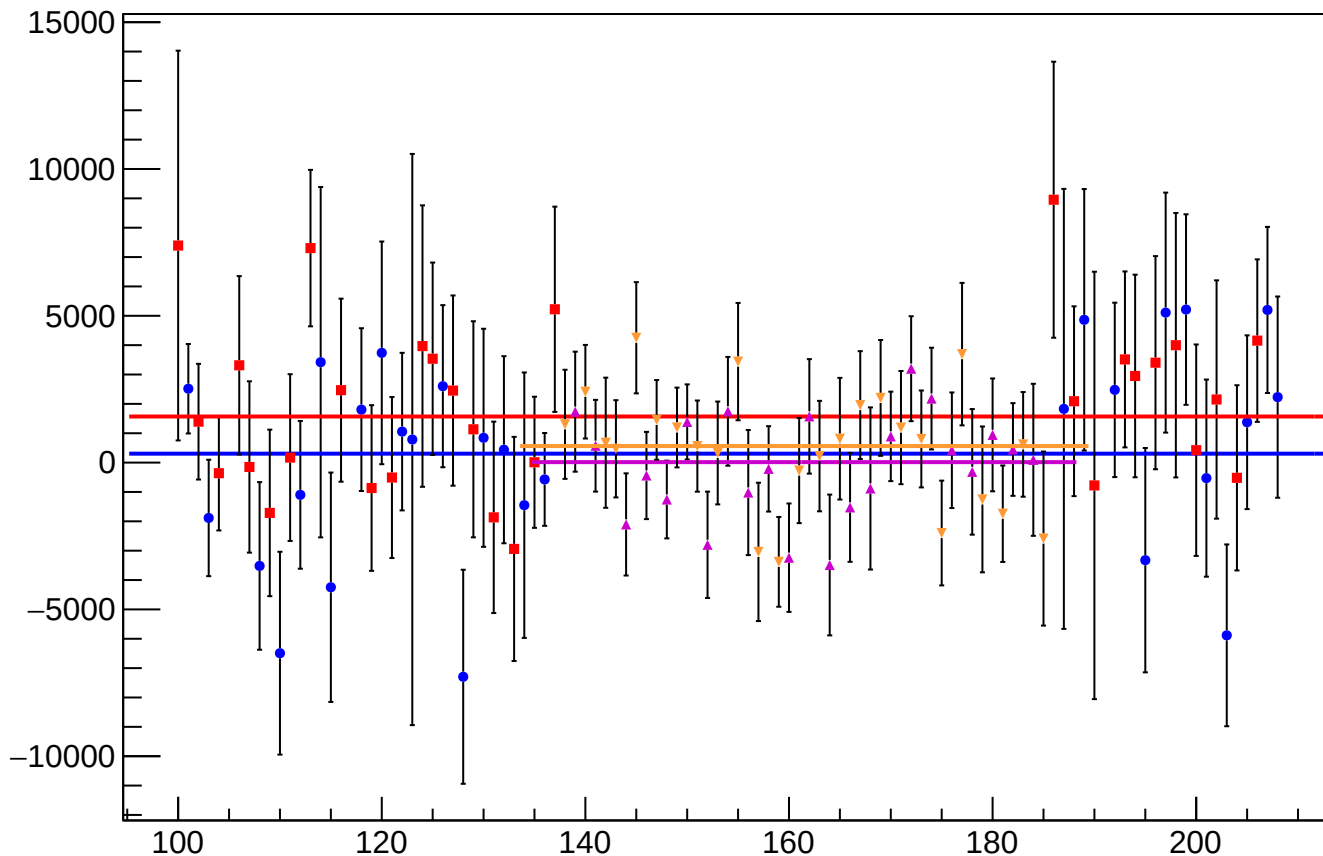
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1103.802 $\pm$ 0.136 χ^2 /NDF: 38080.6/52

All: 1105.628 $\pm$ 0.097 χ^2 /NDF: 83422.7/105

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

asym_usr_correction_mean vs Slug



Right In: 304.365 ± 555.421 χ^2/NDF : 31.3/27

Left Out: 563.282 ± 360.901 χ^2/NDF : 26.8/24

Right Out: 1570.004 ± 566.103 χ^2/NDF : 20.0/29

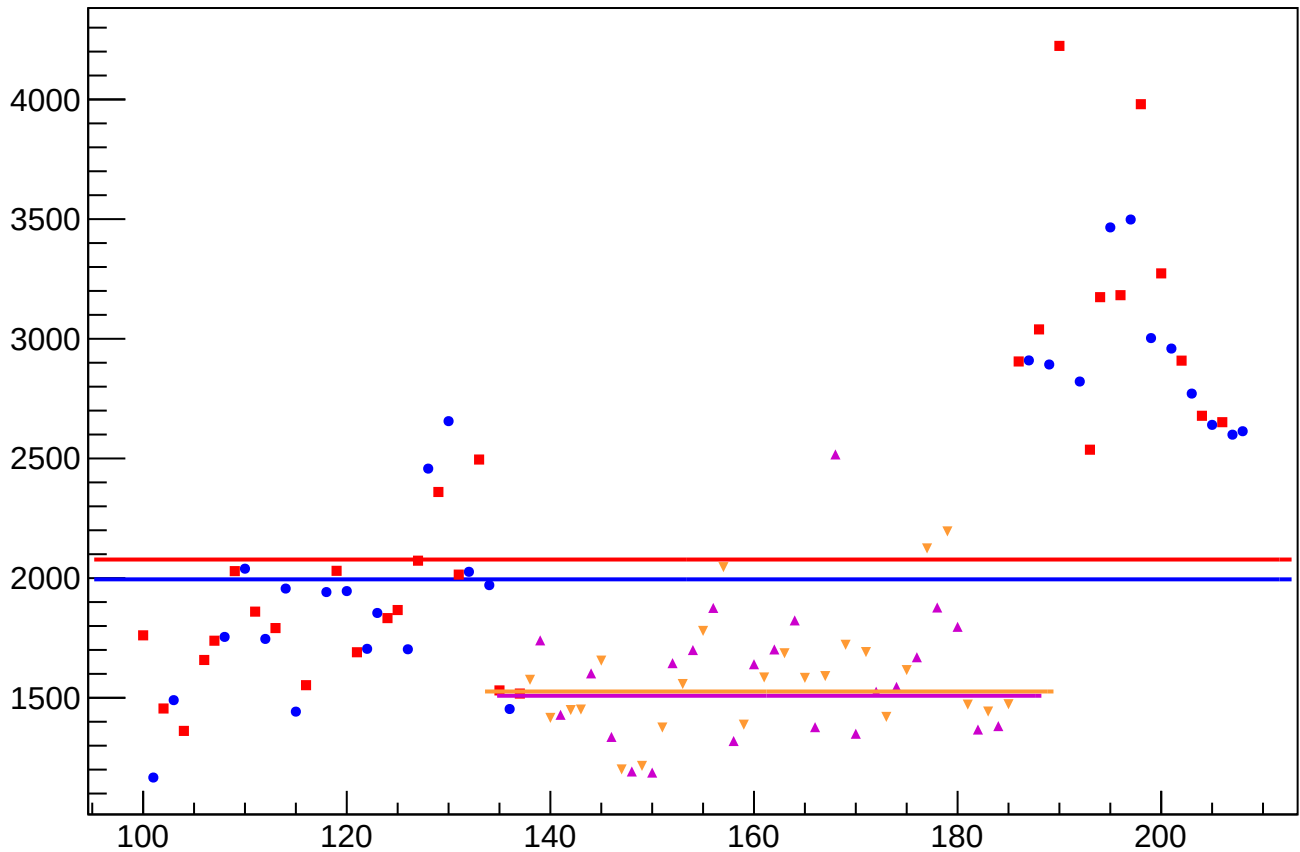
Left In: 15.520 ± 366.854 χ^2/NDF : 20.1/22

+ sign 486.417 ± 302.626 χ^2/NDF : 58.2/52

All: 480.933 ± 215.817 χ^2/NDF : 103.7/105

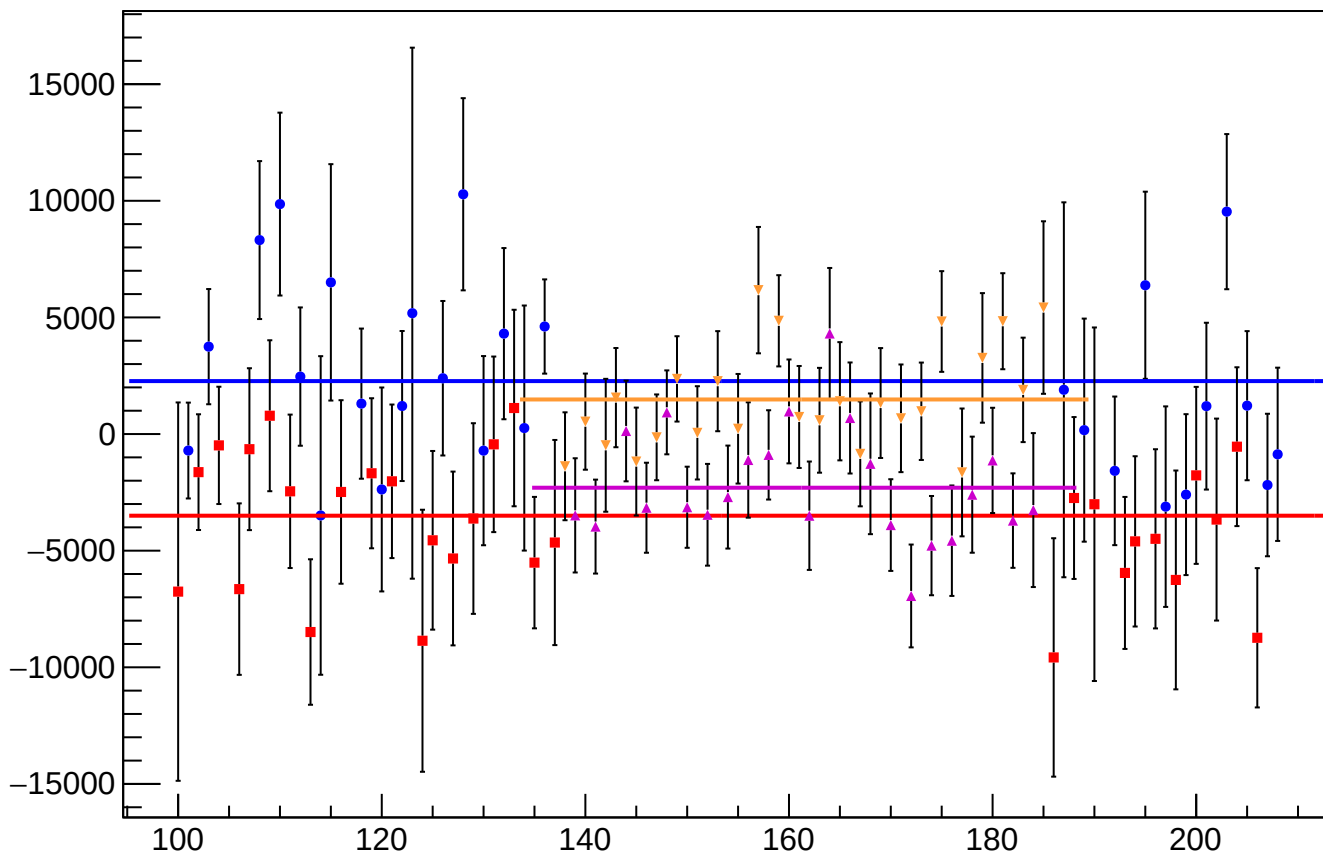
- sign 475.258 ± 307.863 χ^2/NDF : 45.5/52

asym_usr_correction_rms vs Slug



Right In: 1994.911 $\pm$ 0.393 χ^2/NDF : 2741052.2/27 + sign 1665.481 $\pm$ 0.214 χ^2/NDF : 4495402.0/52
 Left Out: 1526.391 $\pm$ 0.255 χ^2/NDF : 753714.4/24 All: 1671.100 $\pm$ 0.153 χ^2/NDF : 9411889.7/10
 Right Out: 2077.759 $\pm$ 0.400 χ^2/NDF : 2559556.8/29 - sign 1676.915 $\pm$ 0.218 χ^2/NDF : 4915084.7/52
 Left In: 1508.581 $\pm$ 0.259 χ^2/NDF : 931684.8/22

asym_usr_mean vs Slug



Right In: 2270.249 $\pm$ 652.168 χ^2 /NDF: 32.4/27

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

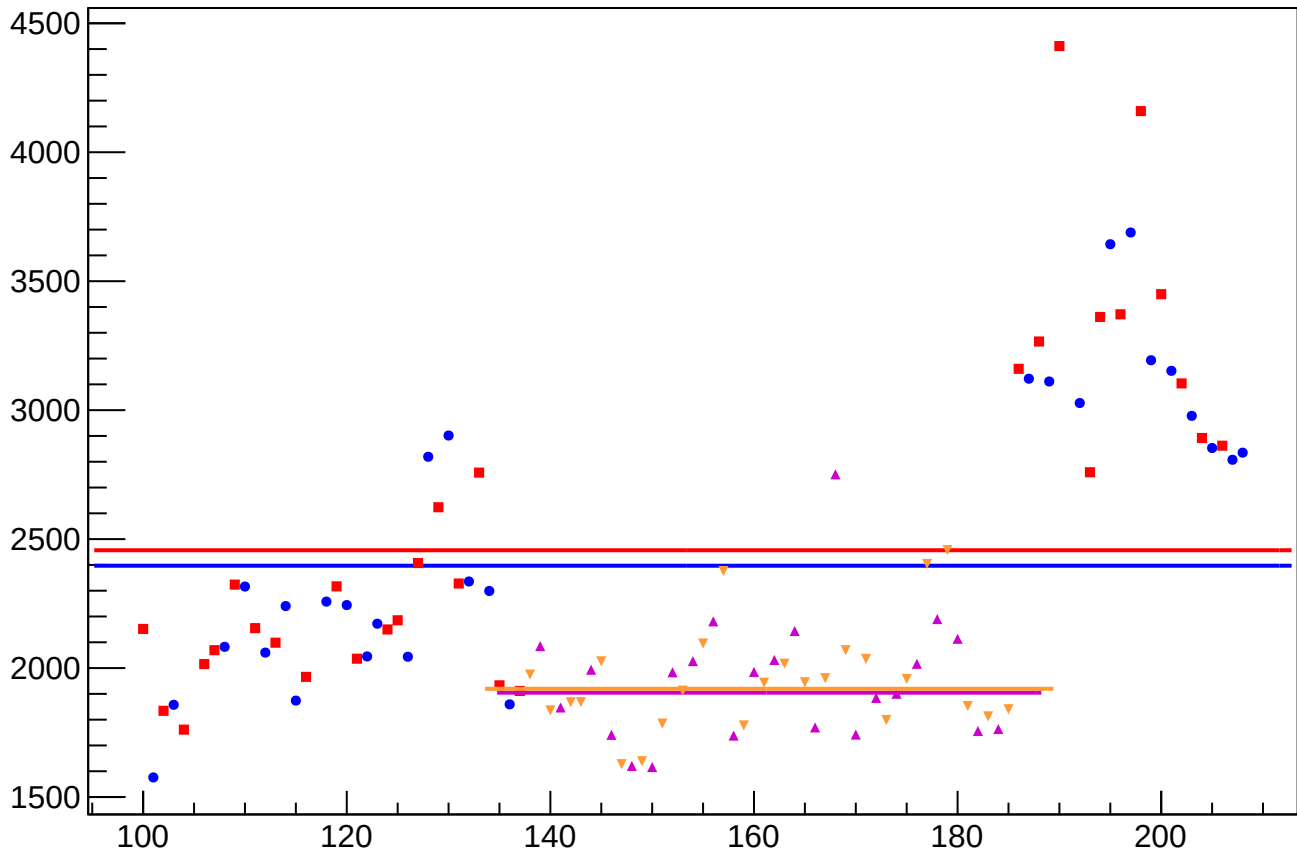
Left In: -2301.247 $\pm$ 459.040 χ^2 /NDF: 24.8/22

+ sign 1736.478 $\pm$ 370.376 χ^2 /NDF: 54.3/52

All: -443.871 $\pm$ 263.967 χ^2 /NDF: 170.6/105

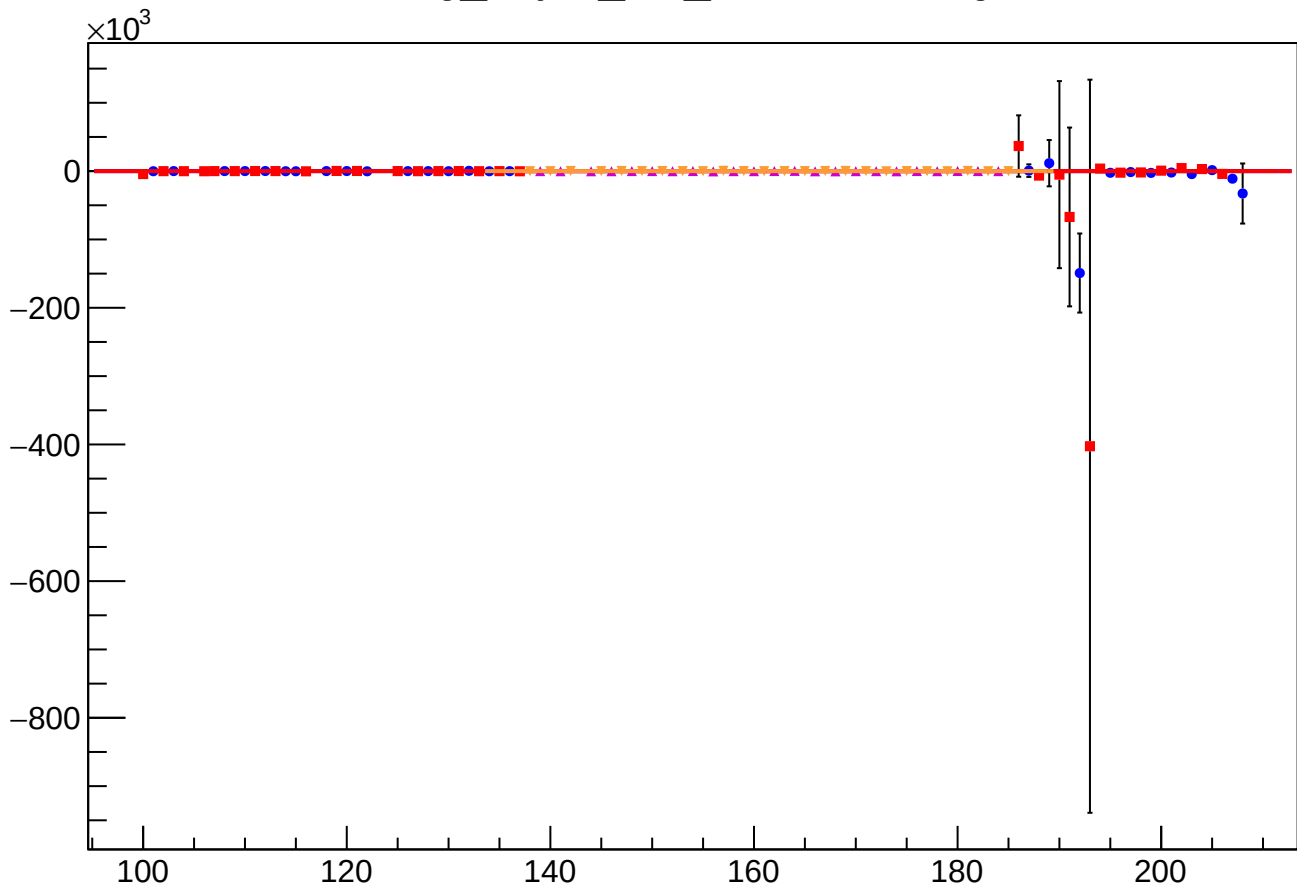
- sign -2694.606 $\pm$ 376.306 χ^2 /NDF: 45.9/52

asym_usr_rms vs Slug



Right In: 2396.864+/-0.461	χ^2/NDF : 1604144.2/27	+ sign 2073.619+/-0.262	χ^2/NDF : 2695599.2/52
Left Out: 1919.732+/-0.318	χ^2/NDF : 366218.1/24	All: 2079.592+/-0.187	χ^2/NDF : 5723295.1/10
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: -2.378 ± 36.762 χ^2/NDF : 32.0/26

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

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

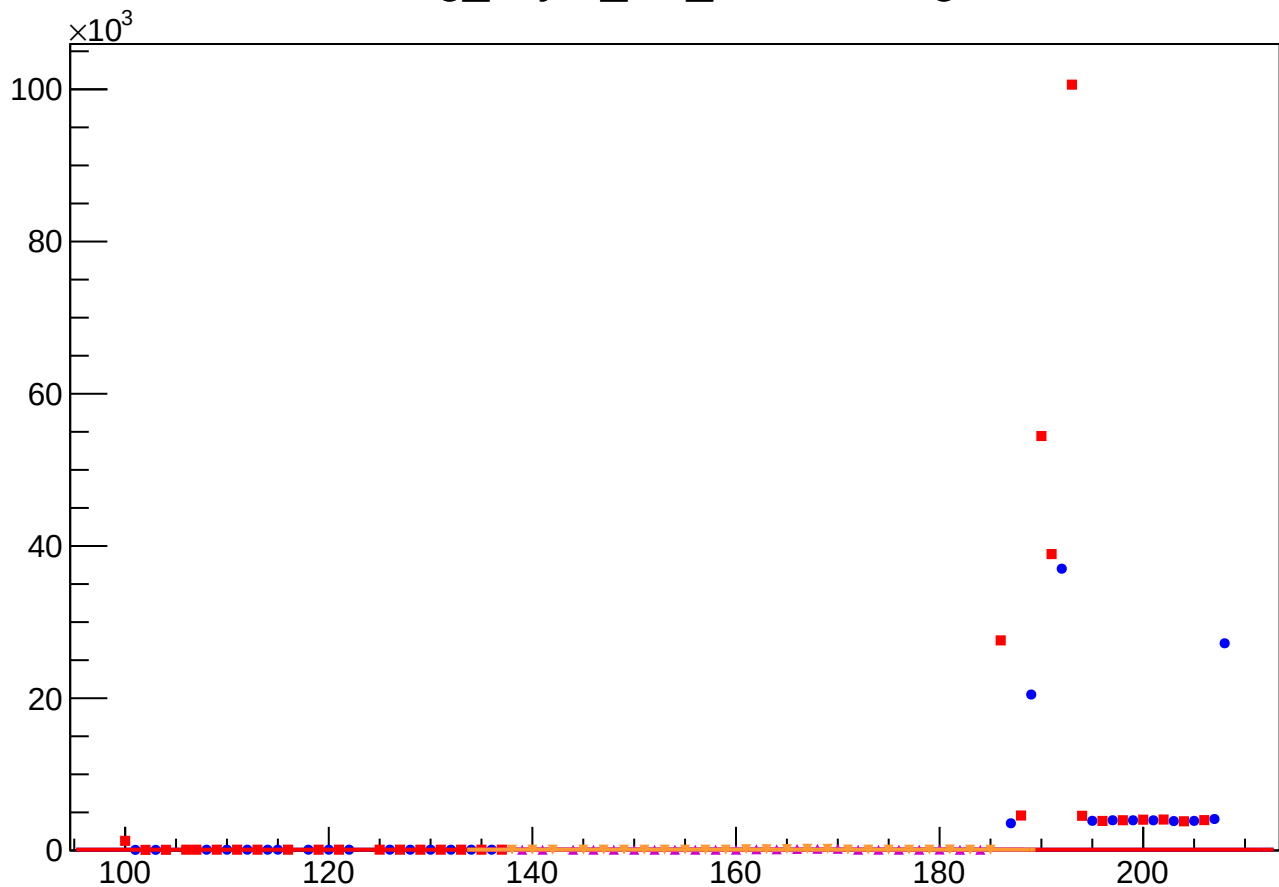
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.314 ± 21.368 χ^2/NDF : 68.0/50

All: -4.816 ± 15.124 χ^2/NDF : 124.8/103

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

reg_asym_dsl_rms vs Slug



Right In: 96.054 $\pm$ 0.026 χ^2 /NDF: 13557962.3/26

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

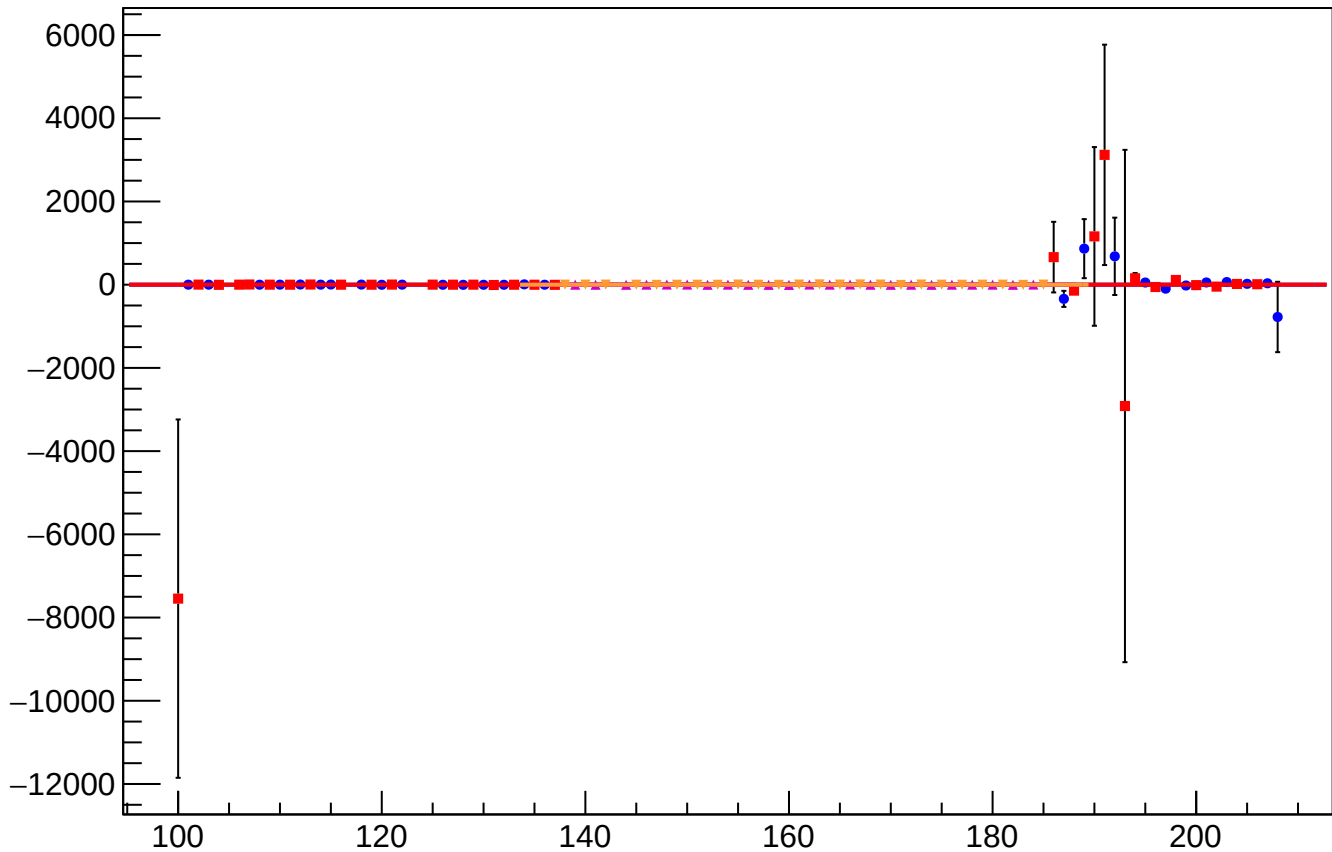
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 104.003 $\pm$ 0.015 χ^2 /NDF: 15134177.1/50

All: 104.234 $\pm$ 0.011 χ^2 /NDF: 29144867.2/10

- 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: 20.3/26

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

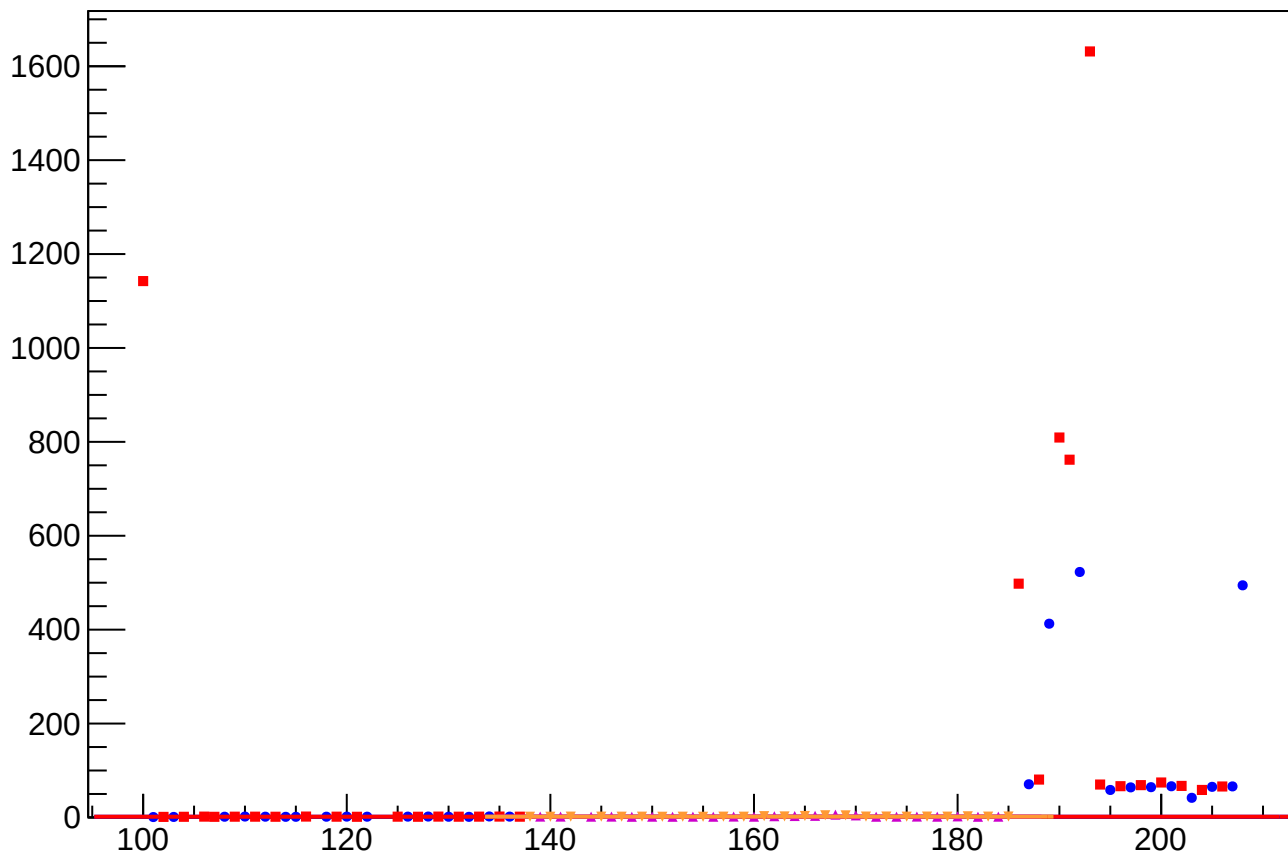
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF: 25.0/22

+ sign -0.188 $\pm$ 0.376 χ^2 /NDF: 52.2/50

All: -0.015 $\pm$ 0.270 χ^2 /NDF: 107.4/103

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

asym_dsl_correction_rms vs Slug



Right In: 1.450+/-0.000 χ^2/NDF : 11767821.5/26

Left Out: 1.771+/-0.000 χ^2/NDF : 1599621.6/23

Right Out: 1.584+/-0.000 χ^2/NDF : 10943010.6/29

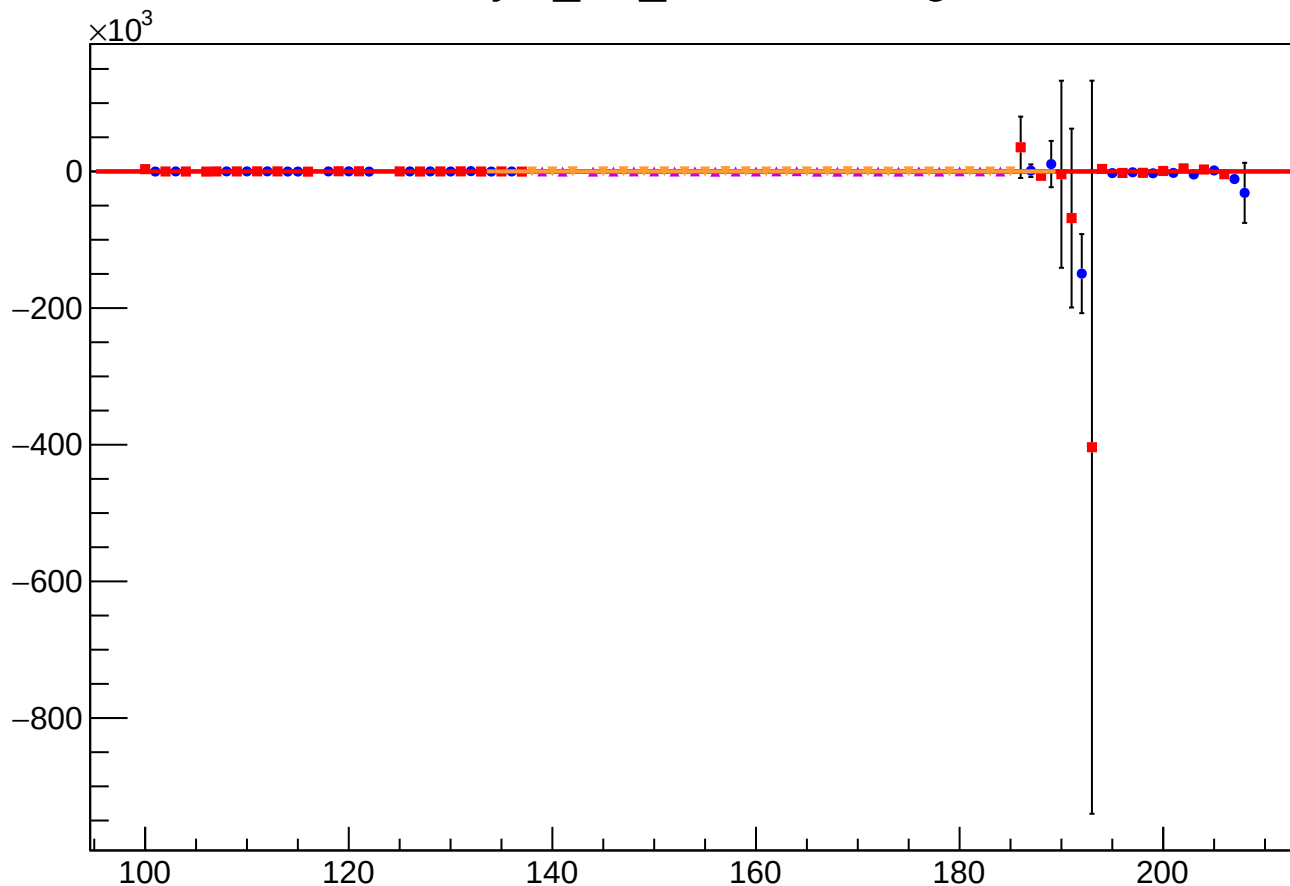
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.652+/-0.000 χ^2/NDF : 13708232.2/50

All: 1.687+/-0.000 χ^2/NDF : 26754641.2/103

- sign 1.723+/-0.000 χ^2/NDF : 13010987.5/52

asym_dsl_mean vs Slug



Right In: -2.091 ± 36.771 χ^2/NDF : 32.3/26

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

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

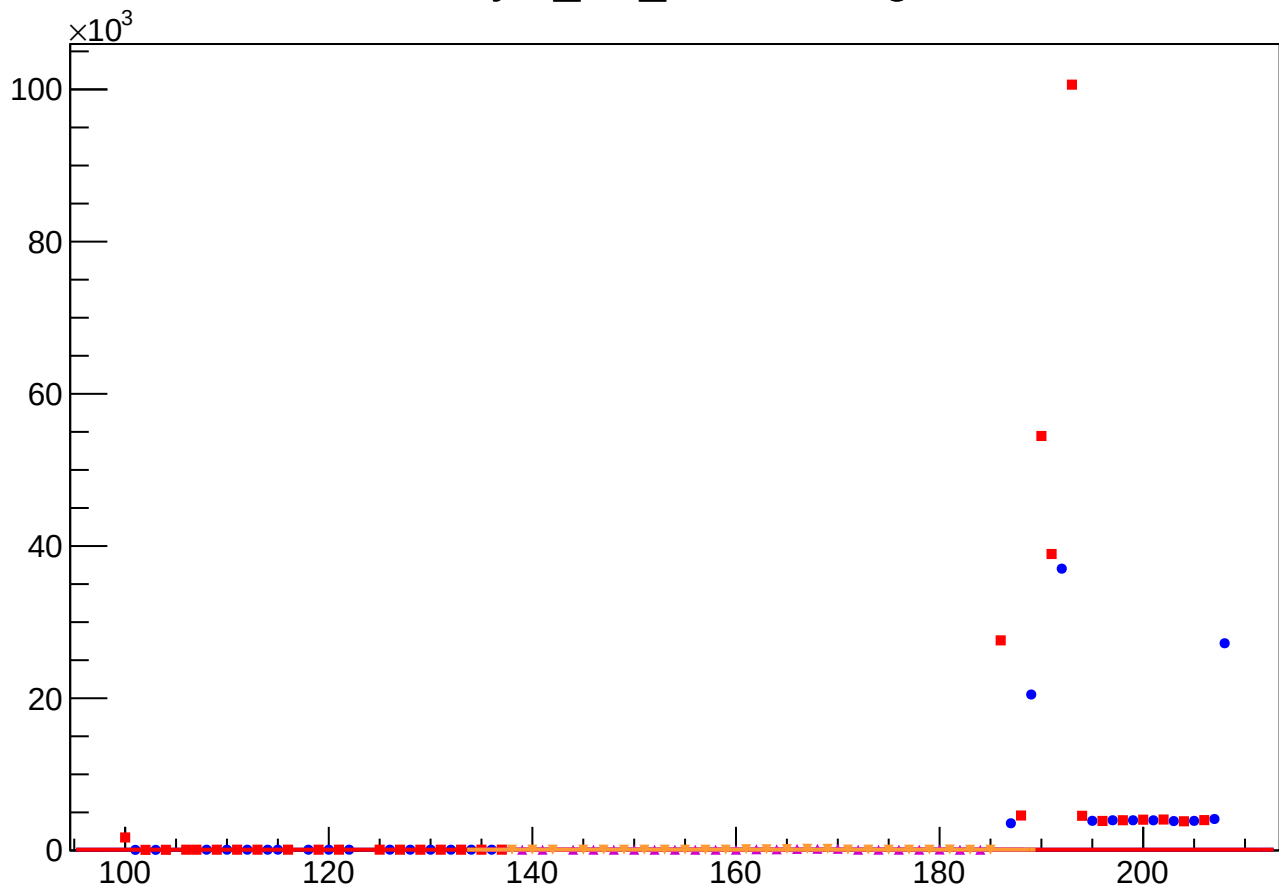
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 7.866 ± 21.374 χ^2/NDF : 68.1/50

All: -4.672 ± 15.129 χ^2/NDF : 123.7/103

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

asym_dsl_rms vs Slug



Right In: 96.079 $\pm$ 0.026 χ^2 /NDF: 13557970.1/26

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

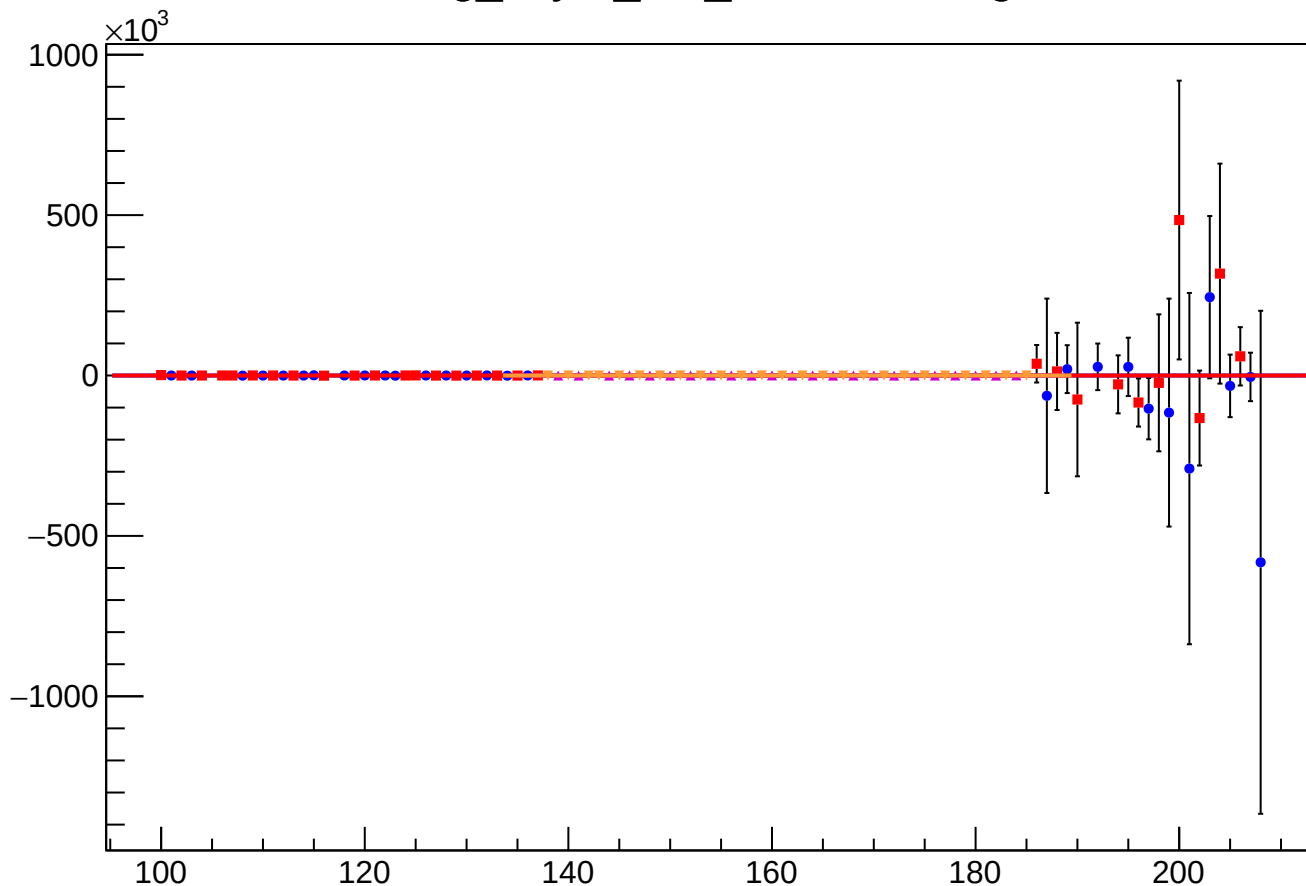
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 104.032 $\pm$ 0.015 χ^2 /NDF: 15135639.2/50

All: 104.260 $\pm$ 0.011 χ^2 /NDF: 29153247.4/10

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

reg_asym_dsr_mean vs Slug



Right In: -26.804 ± 46.841 χ^2/NDF : 17.9/27

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

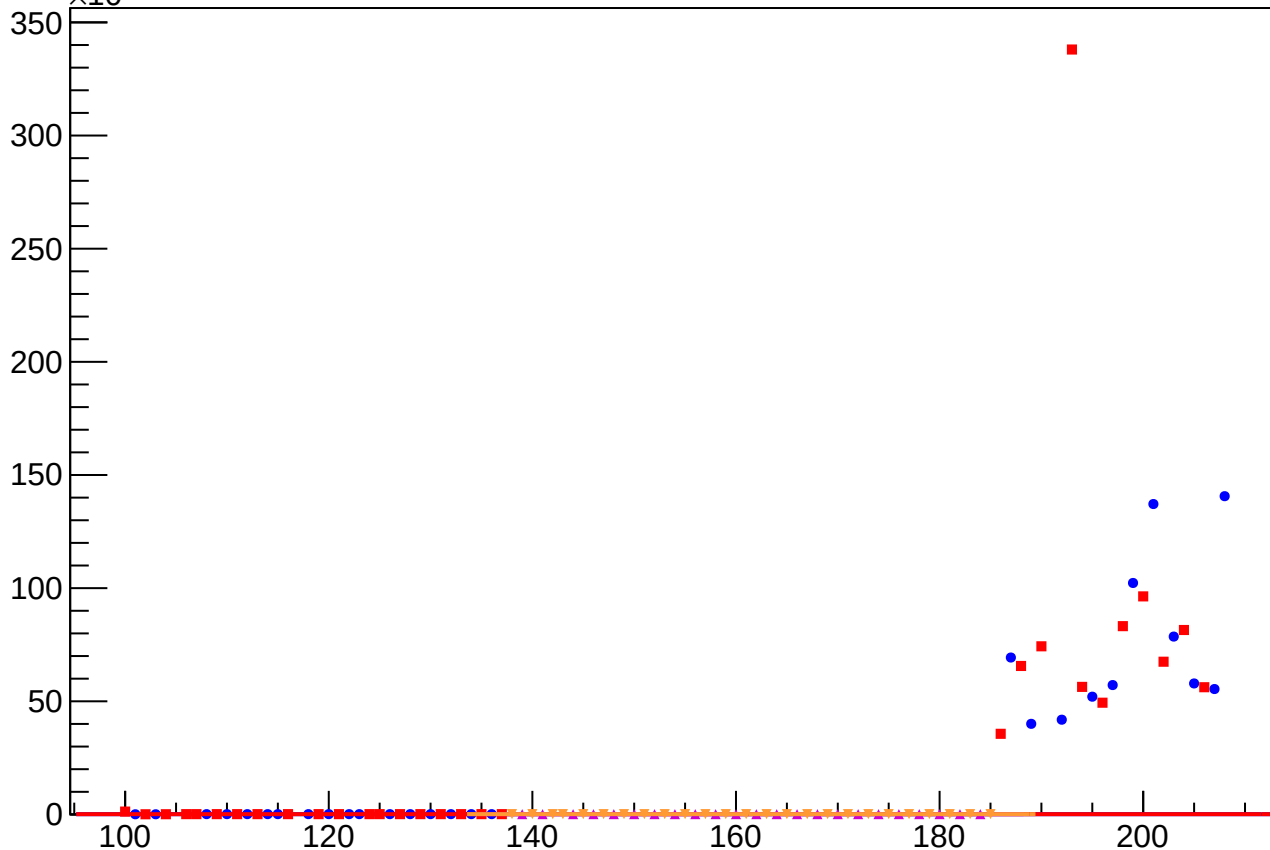
+ sign -17.288 ± 26.458 χ^2/NDF : 30.0/52

All: 4.345 ± 18.939 χ^2/NDF : 75.4/104

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

reg_asym_dsr_rms vs Slug

$\times 10^3$



Right In: 117.878 $\pm$ 0.033 χ^2 /NDF: 6498890.3/27

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

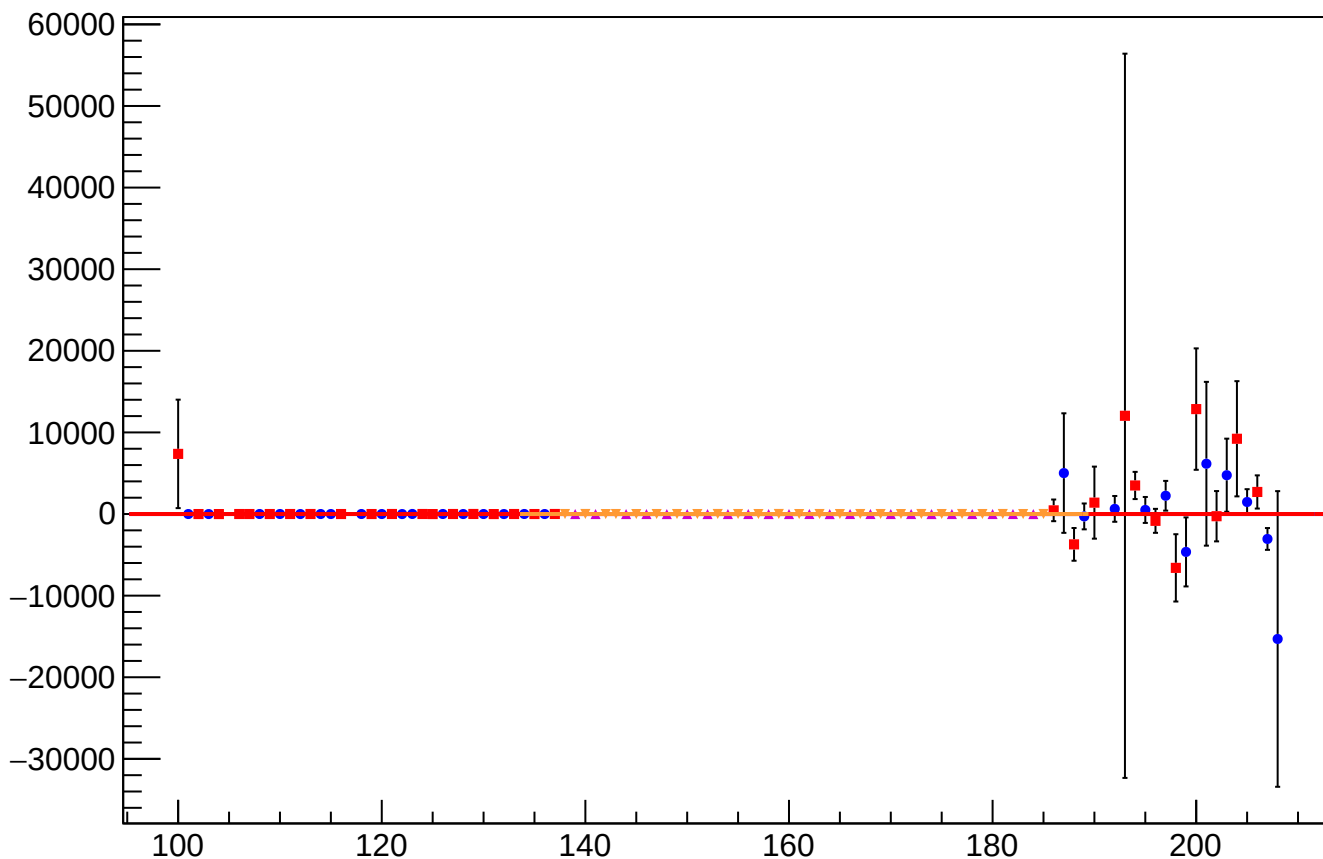
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

+ sign 131.482 $\pm$ 0.019 χ^2 /NDF: 6747092.6/52

All: 132.527 $\pm$ 0.013 χ^2 /NDF: 12913657.3/10

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

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 $\chi^2/\text{NDF}: 24.0/27$

Left Out: 0.490 ± 0.572 $\chi^2/\text{NDF}: 29.0/24$

Right Out: 0.639 ± 0.852 $\chi^2/\text{NDF}: 32.2/29$

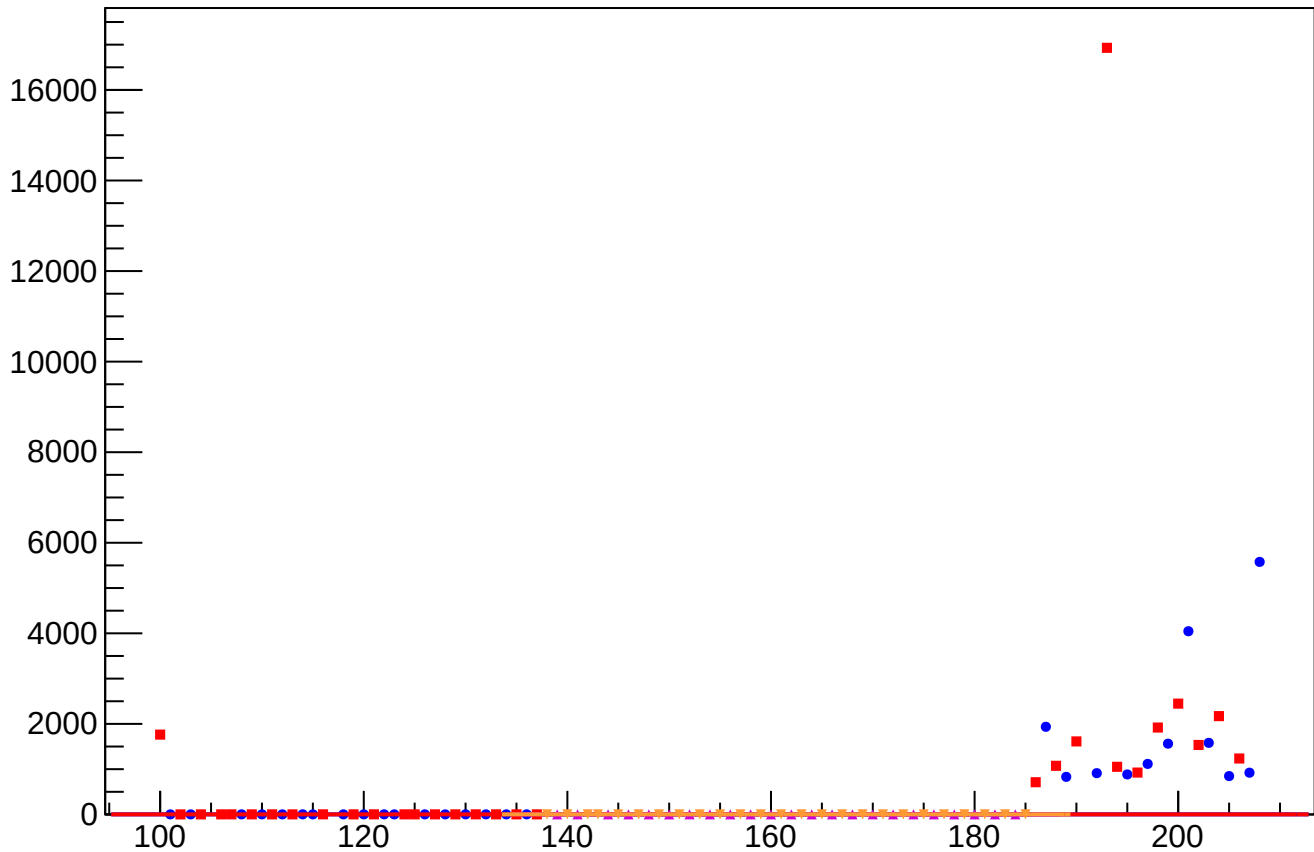
Left In: -0.290 ± 0.579 $\chi^2/\text{NDF}: 20.7/22$

+ sign 0.087 ± 0.467 $\chi^2/\text{NDF}: 54.5/52$

All: 0.046 ± 0.334 $\chi^2/\text{NDF}: 108.2/105$

- sign 0.004 ± 0.479 $\chi^2/\text{NDF}: 53.7/52$

asym_dsr_correction_rms vs Slug



Right In: 1.867 $\pm$ 0.001 χ^2 /NDF: 5769015.2/27

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

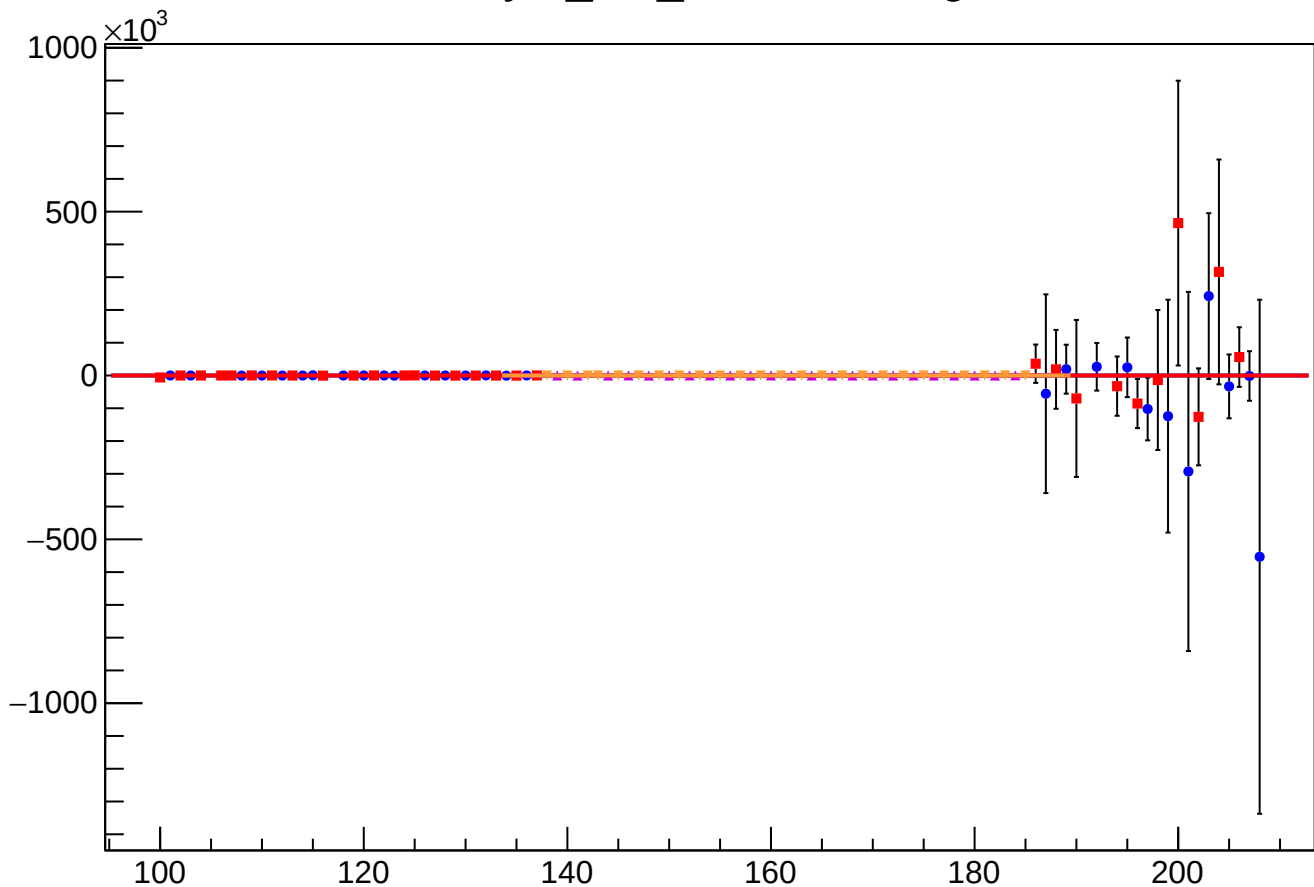
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 6461263.6/52

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 12886120.7/105

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

asym_dsr_mean vs Slug



Right In: -25.066 ± 46.854 χ^2/NDF : 17.9/27

Left Out: -13.383 ± 32.072 χ^2/NDF : 11.8/24

Right Out: -54.292 ± 47.789 χ^2/NDF : 21.1/28

Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

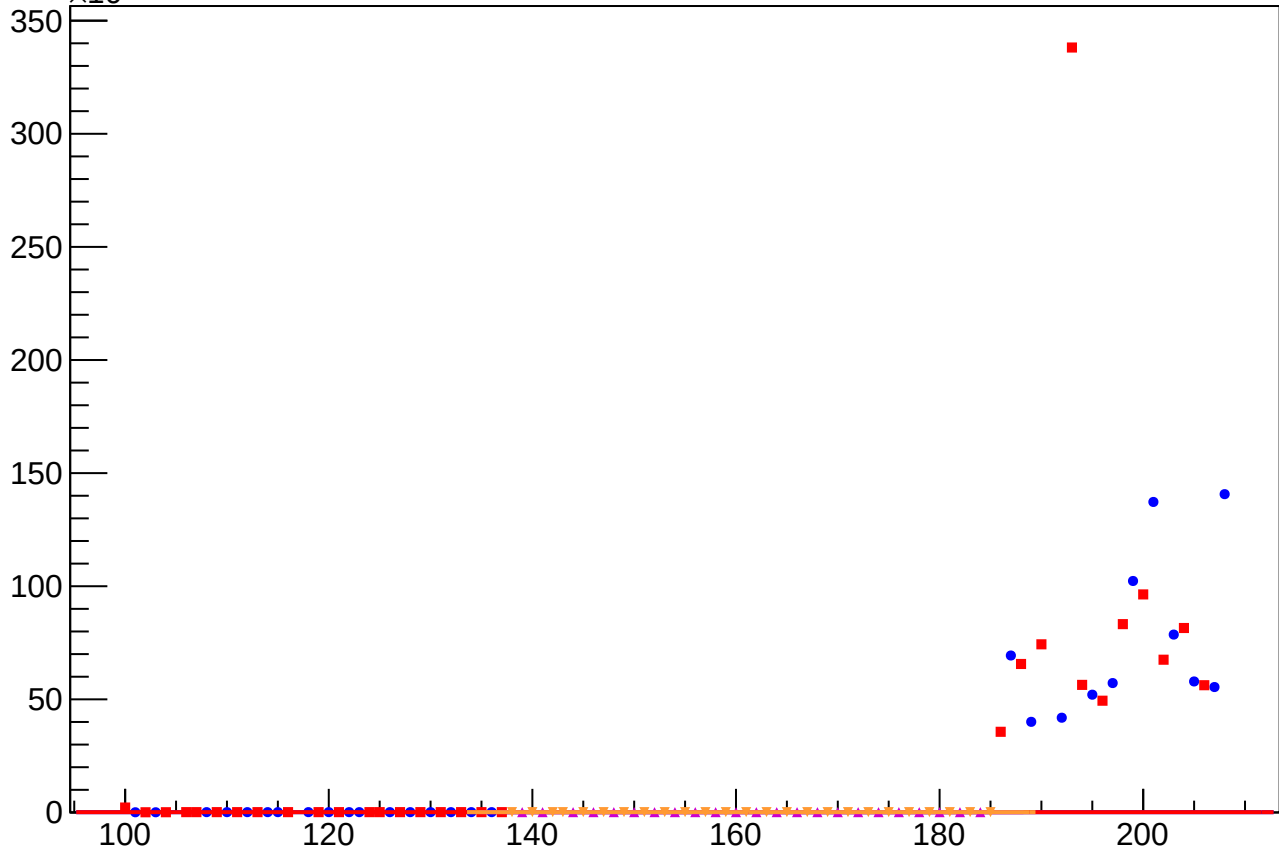
+ sign -17.111 ± 26.465 χ^2/NDF : 29.7/52

All: 4.260 ± 18.944 χ^2/NDF : 75.7/104

- sign 26.714 ± 27.129 χ^2/NDF : 44.7/51

asym_dsr_rms vs Slug

$\times 10^3$



Right In: 117.910 $\pm$ 0.033 χ^2 /NDF: 6499024.9/27

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

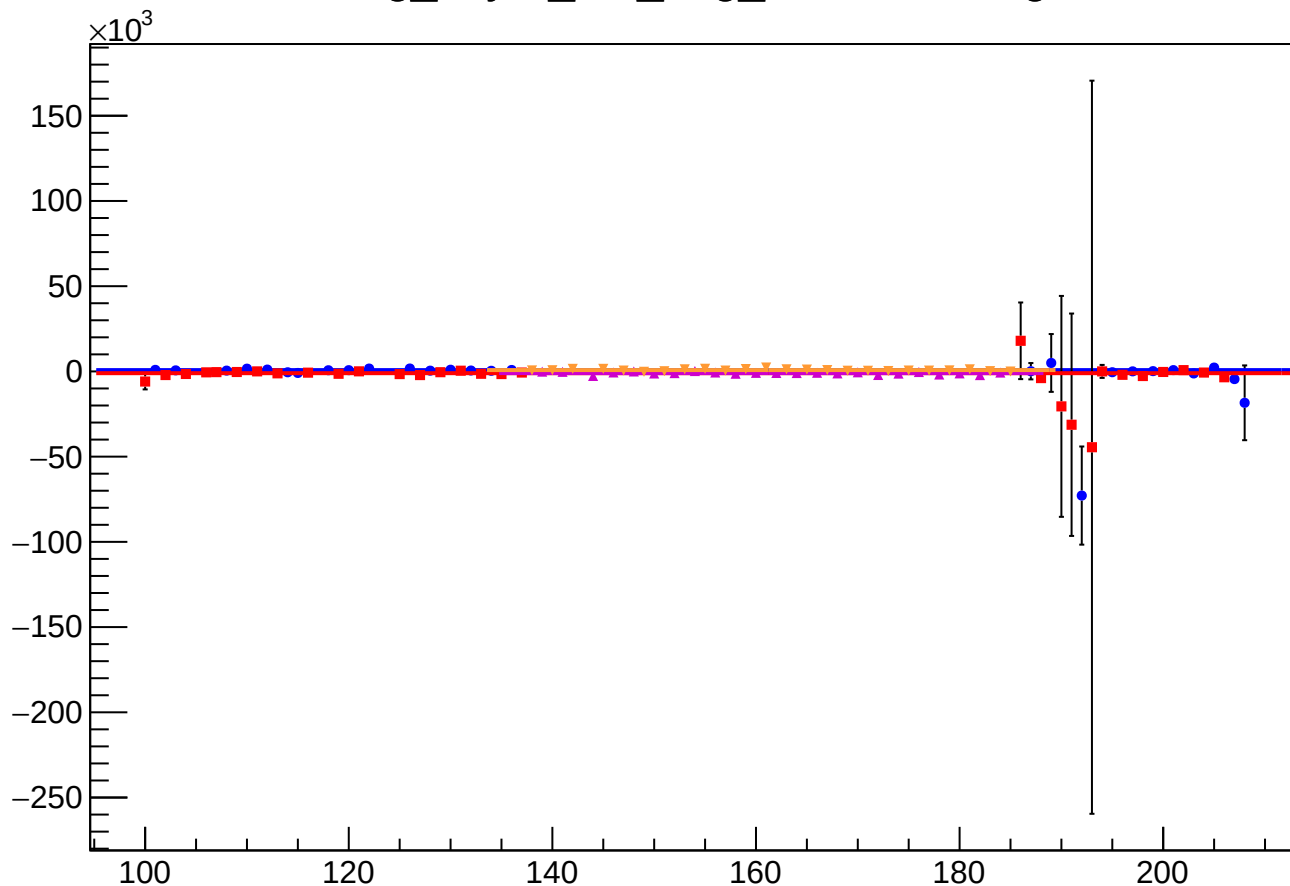
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF: 457.2/22

+ sign 131.519 $\pm$ 0.019 χ^2 /NDF: 6747258.4/52

All: 132.557 $\pm$ 0.013 χ^2 /NDF: 12925124.2/10

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

reg_asym_left_avg_mean vs Slug



Right In: 765.850+/-209.869 χ^2/NDF : 19.6/26

Left Out: 784.371+/-134.054 χ^2/NDF : 19.2/23

Right Out: -1037.077+/-207.292 χ^2/NDF : 18.7/29

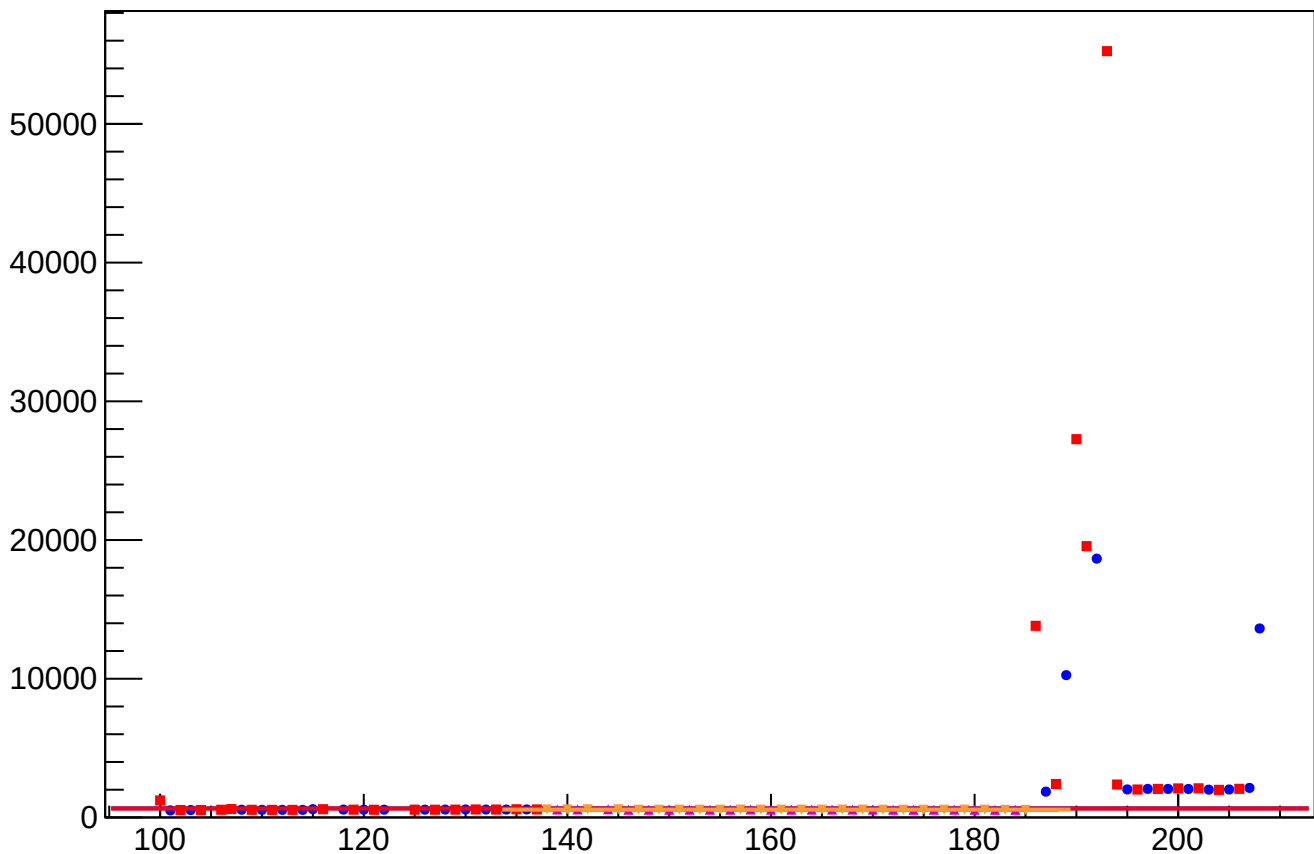
Left In: -974.402+/-134.932 χ^2/NDF : 27.4/22

+ sign 779.004+/-112.974 χ^2/NDF : 38.8/50

All: -106.155+/-79.924 χ^2/NDF : 207.9/103

- sign -993.054+/-113.085 χ^2/NDF : 46.2/52

reg_asym_left_avg_rms vs Slug



Right In: 651.814+/-0.148 χ^2/NDF : 7932873.0/26

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

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

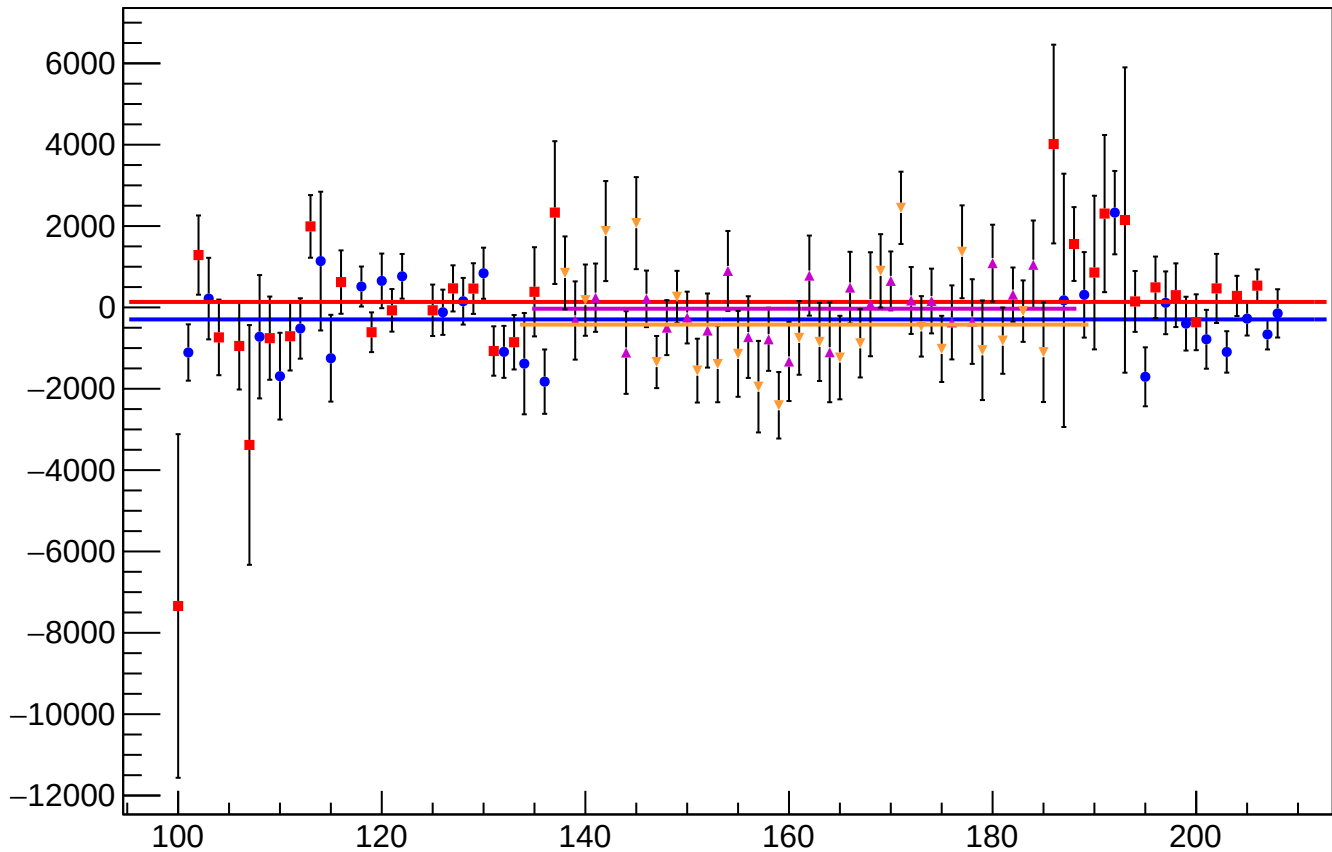
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 589.548+/-0.080 χ^2/NDF : 8190347.6/50

All: 589.562+/-0.057 χ^2/NDF : 15620938.6/100

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

asym_left_avg_correction_mean vs Slug



Right In: -295.149 ± 128.986 χ^2/NDF : 38.5/26

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

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

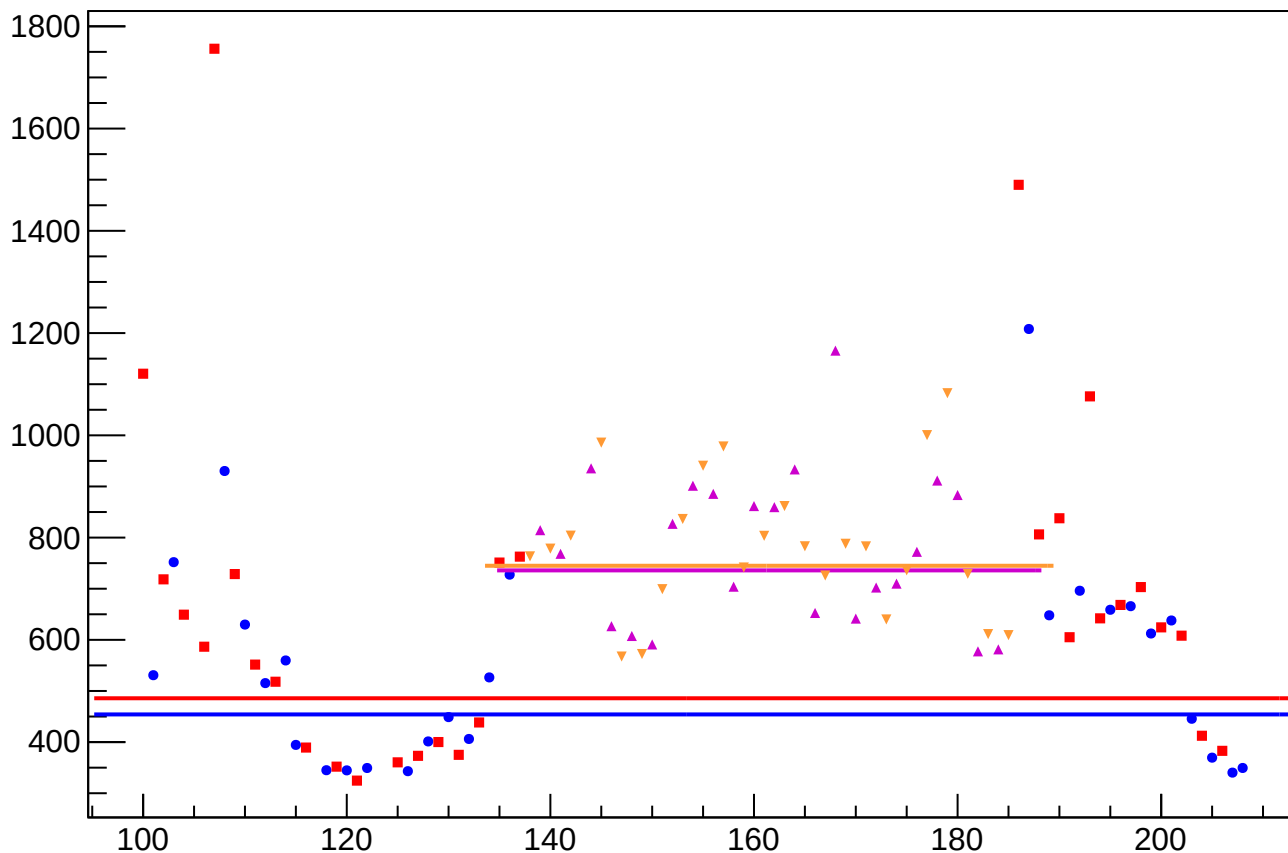
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -338.225 ± 104.966 χ^2/NDF : 82.0/50

All: -142.009 ± 75.823 χ^2/NDF : 137.5/103

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

asym_left_avg_correction_rms vs Slug



Right In: 454.132 $\pm$ 0.091 χ^2 /NDF: 2242982.7/26

Left Out: 744.909 $\pm$ 0.128 χ^2 /NDF:1008847.7/23

Right Out: 485.731 $\pm$ 0.098 χ^2 /NDF: 2919402.7/29

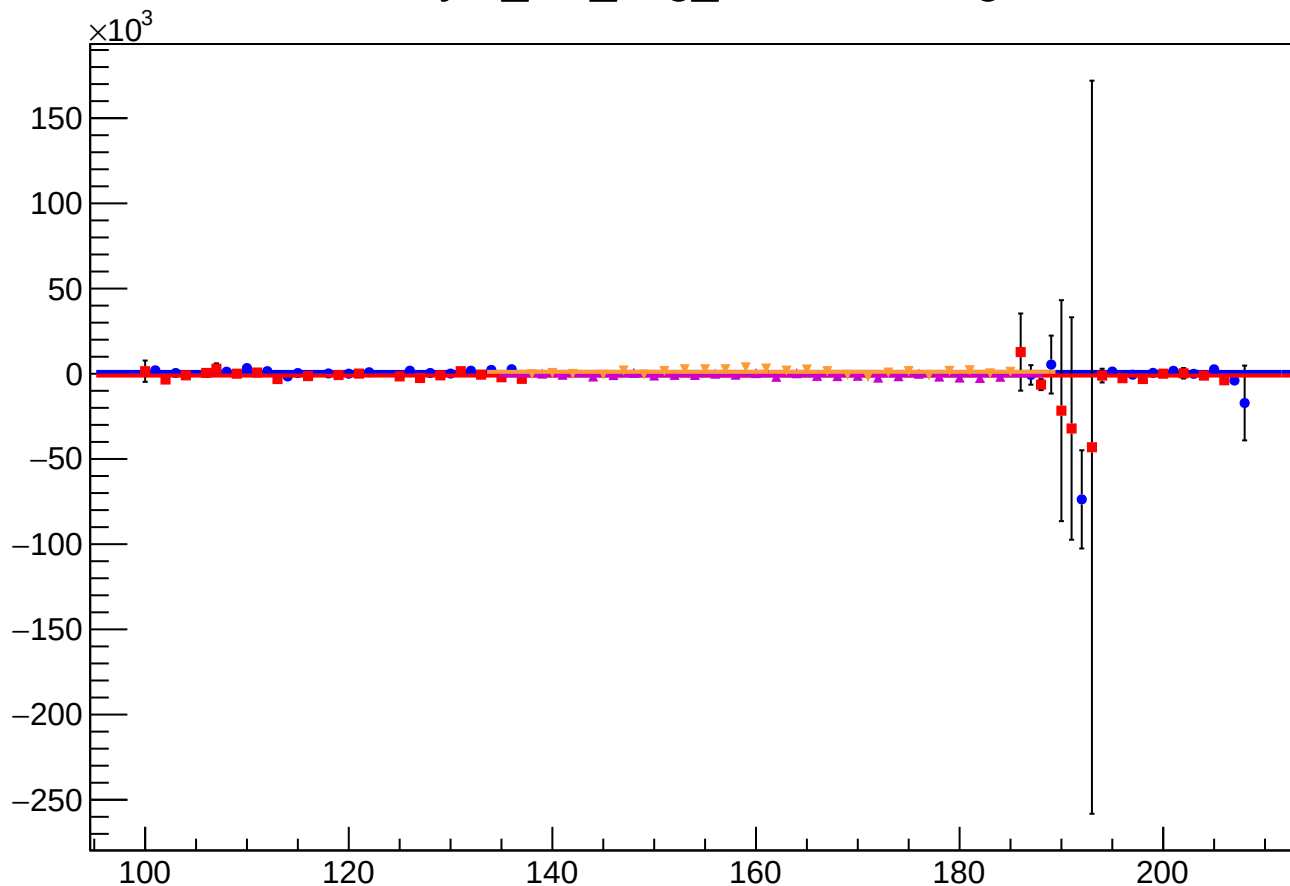
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

+ sign 552.346 $\pm$ 0.074 χ^2 /NDF: 6684882.7/50

All: 565.155 $\pm$ 0.054 χ^2 /NDF: 13206994.7/10

- sign 579.133 $\pm$ 0.078 χ^2 /NDF: 6459830.6/52

asym_left_avg_mean vs Slug



Right In: 1088.895 $\pm$ 280.628 χ^2 /NDF: 25.3/26

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

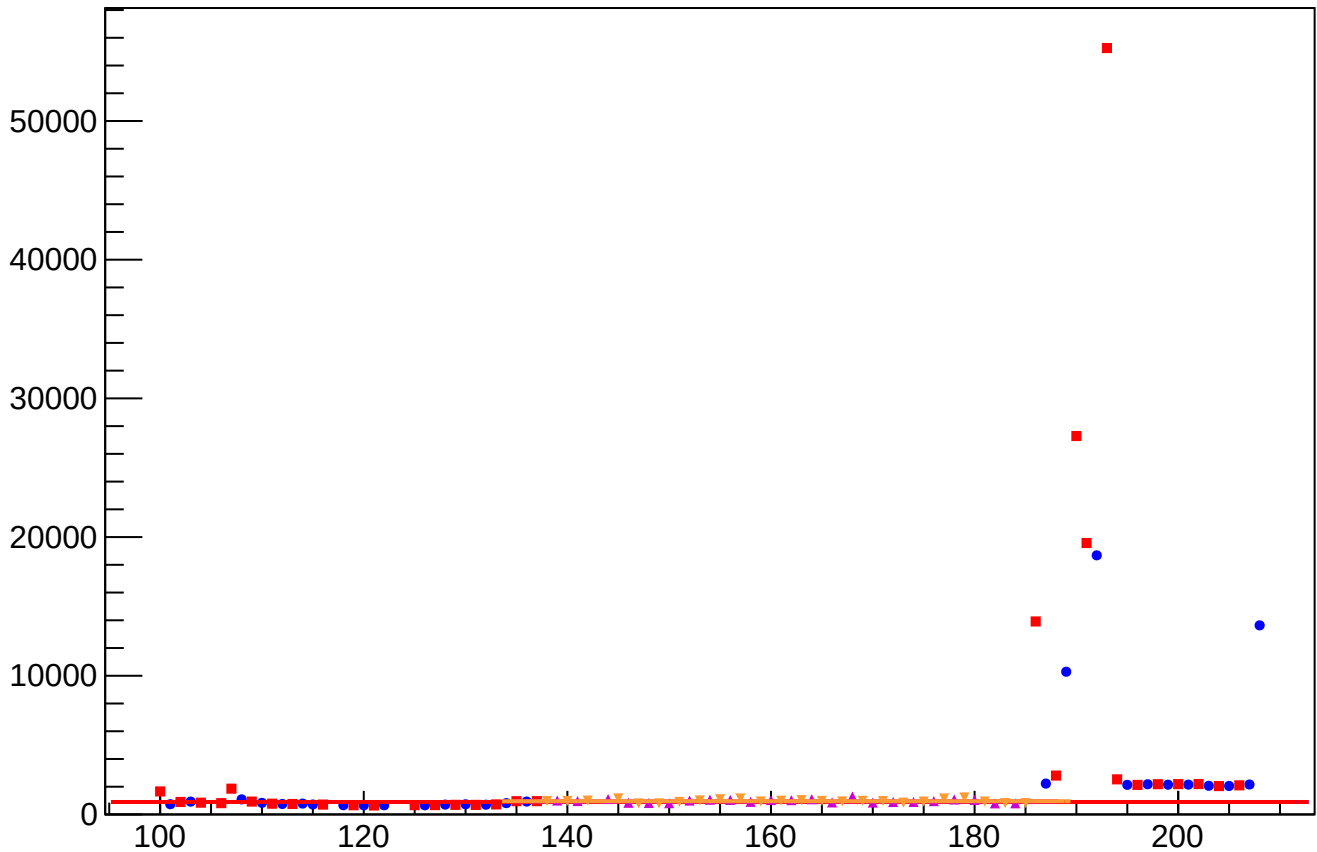
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1118.350 $\pm$ 177.346 χ^2 /NDF: 64.2/50

All: 63.178 $\pm$ 125.300 χ^2 /NDF: 179.5/103

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

asym_left_avg_rms vs Slug



Right In: 899.348+/-0.198 χ^2/NDF : 6669031.5/26

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

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

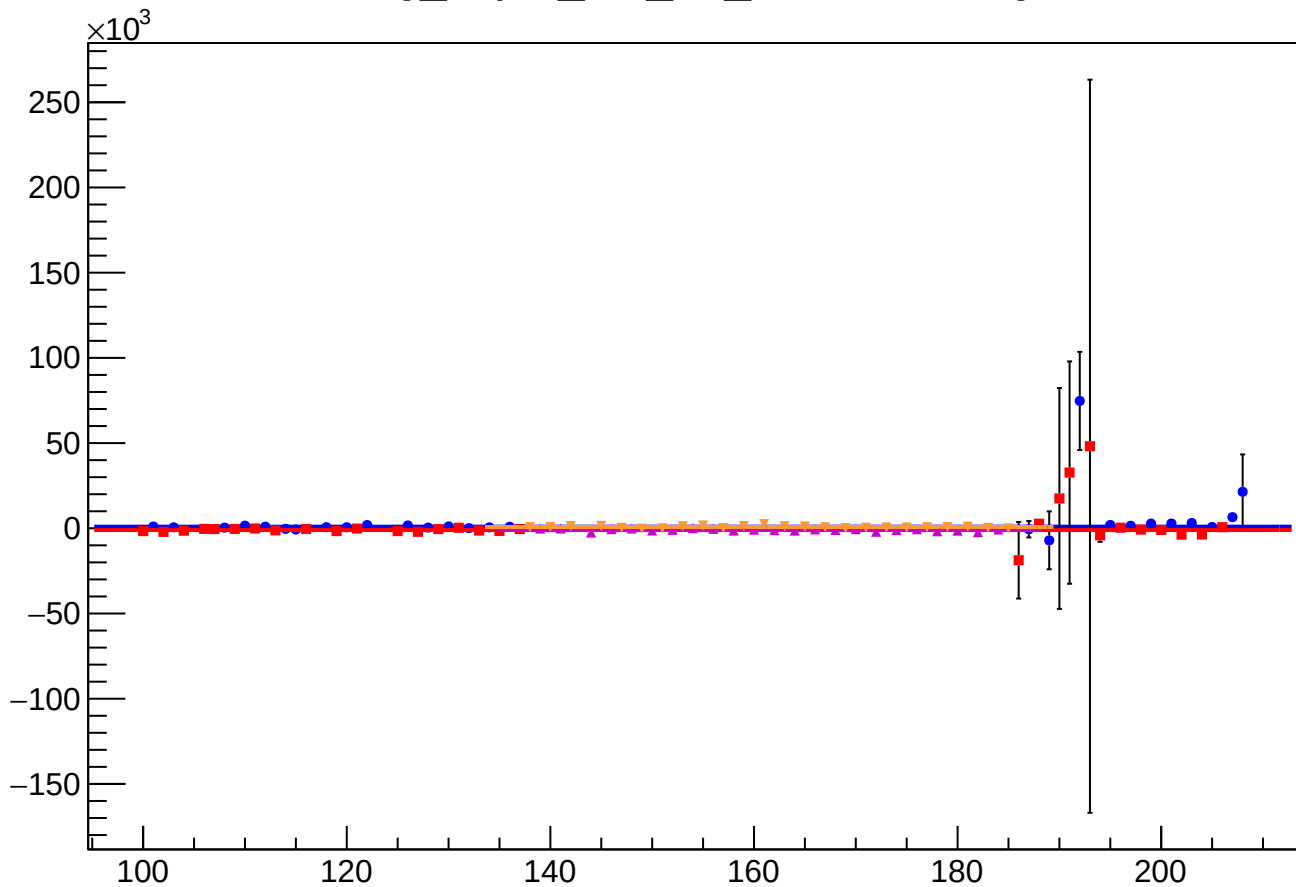
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 932.374+/-0.125 χ^2/NDF : 7175295.8/50

All: 929.741+/-0.089 χ^2/NDF : 14056559.0/10

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

reg_asym_left_dd_mean vs Slug



Right In: 960.489 ± 209.738 χ^2/NDF : 22.3/26

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

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

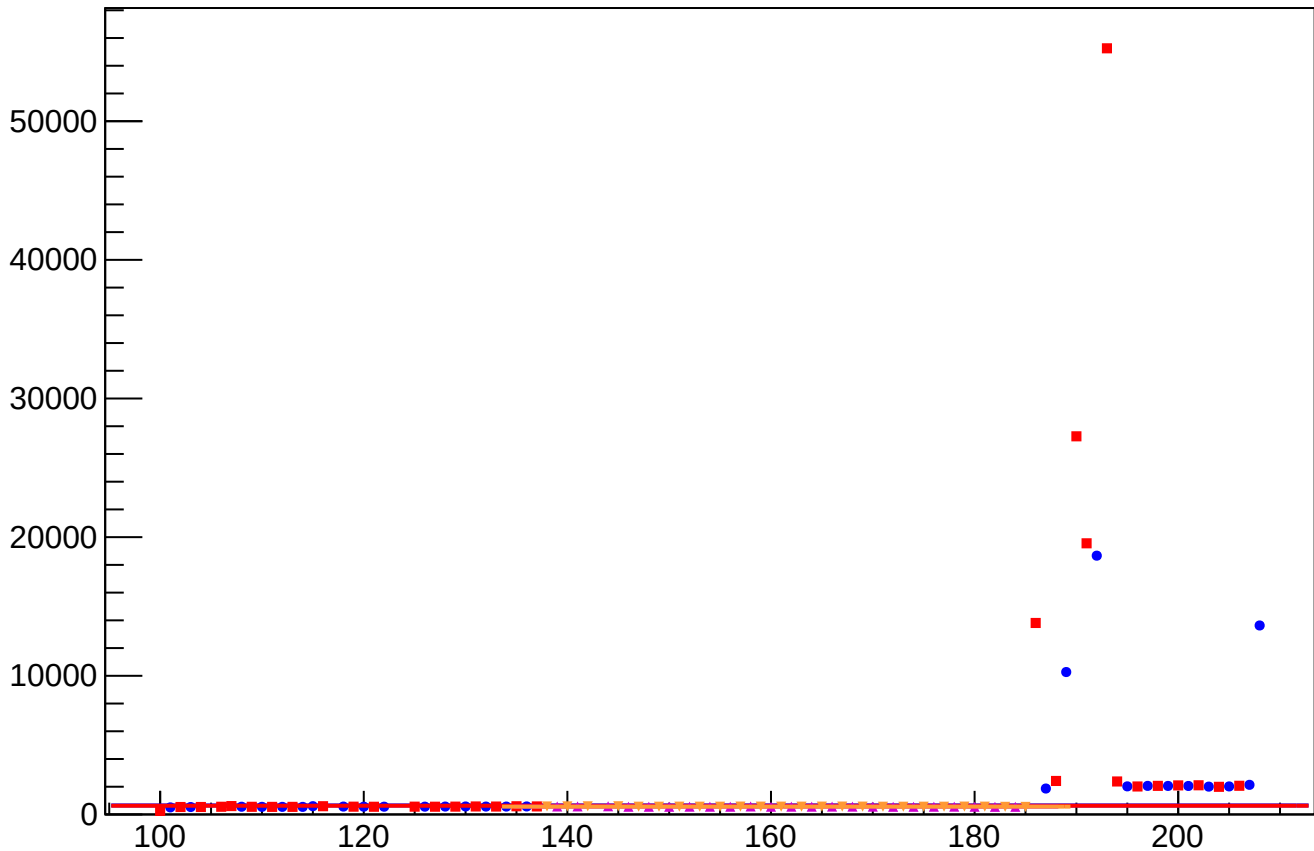
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 816.404 ± 112.887 χ^2/NDF : 44.0/50

All: -85.204 ± 79.599 χ^2/NDF : 216.6/103

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

reg_asym_left_dd_rms vs Slug



Right In: 651.190+/-0.148 χ^2/NDF : 7946095.8/26

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

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

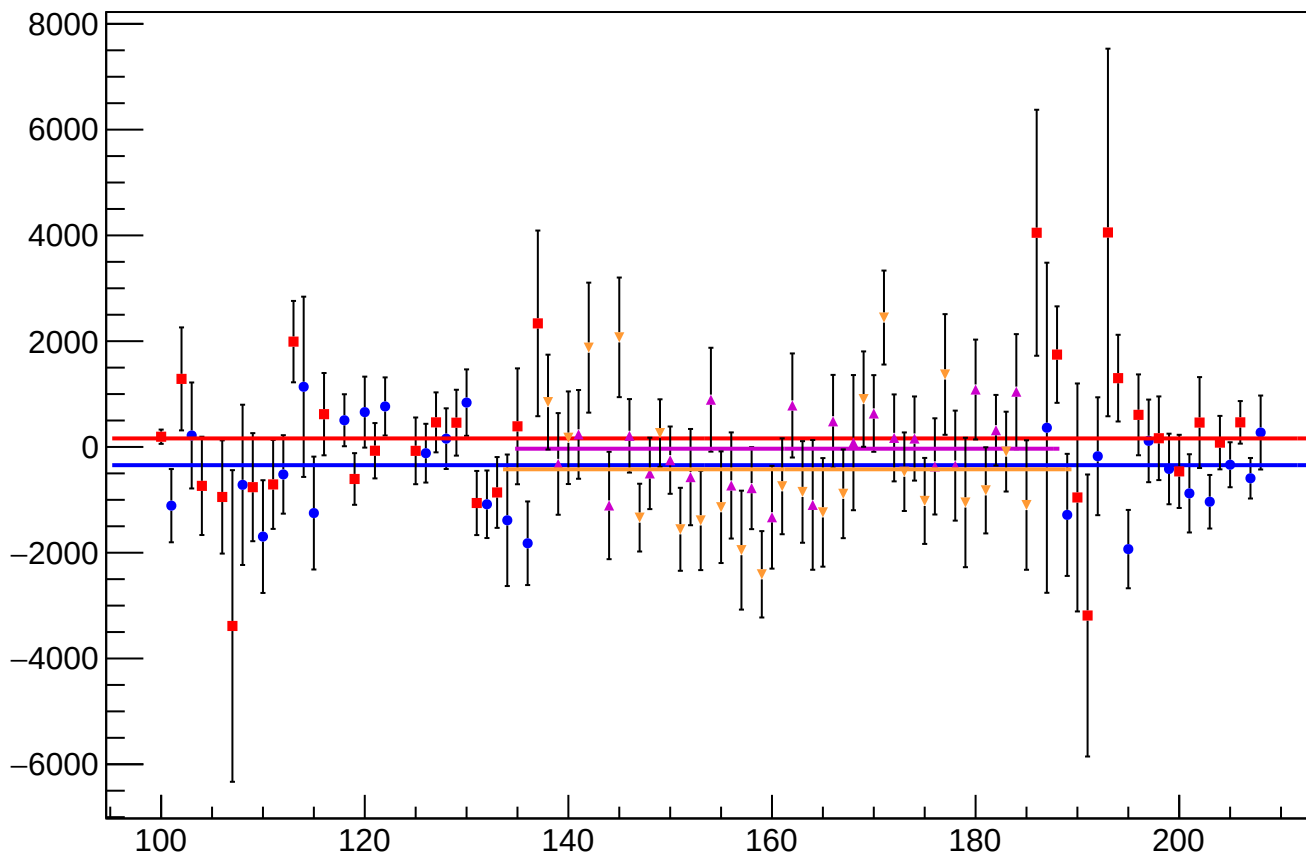
Left In: 563.934+/-0.095 χ^2/NDF :9204.6/22

+ sign 589.027+/-0.080 χ^2/NDF : 8202979.1/50

All: 586.555+/-0.056 χ^2/NDF : 15848635.8/10

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

asym_left_dd_correction_mean vs Slug



Right In: -344.570 ± 131.204 χ^2/NDF : 33.3/26

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

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

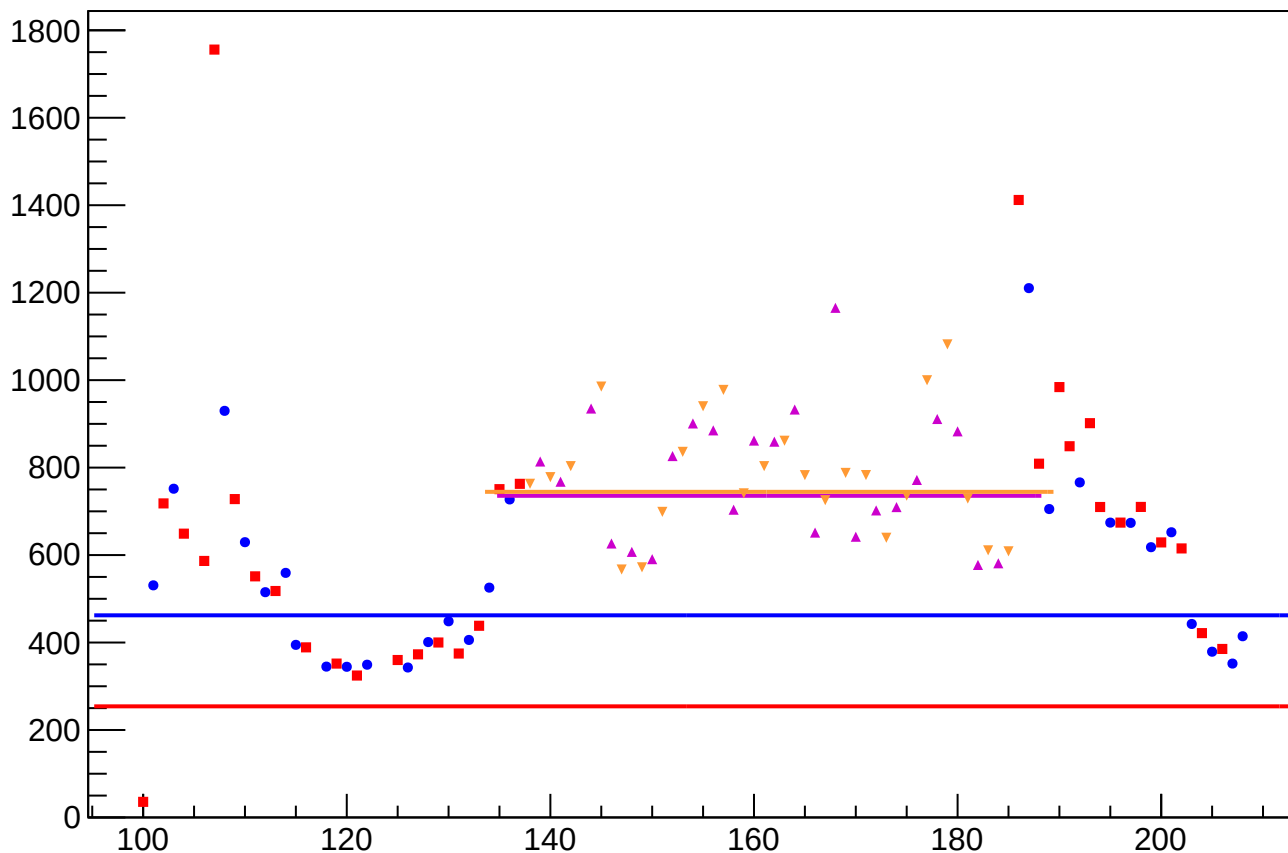
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -371.444 ± 106.135 χ^2/NDF : 76.7/50

All: -74.790 ± 66.522 χ^2/NDF : 139.3/103

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

asym_left_dd_correction_rms vs Slug



Right In: 462.218+/-0.093 χ^2/NDF : 2230363.3/26

Left Out: 744.597+/-0.128 χ^2/NDF : 1009604.0/23

Right Out: 254.080+/-0.069 χ^2/NDF : 13814224.5/29

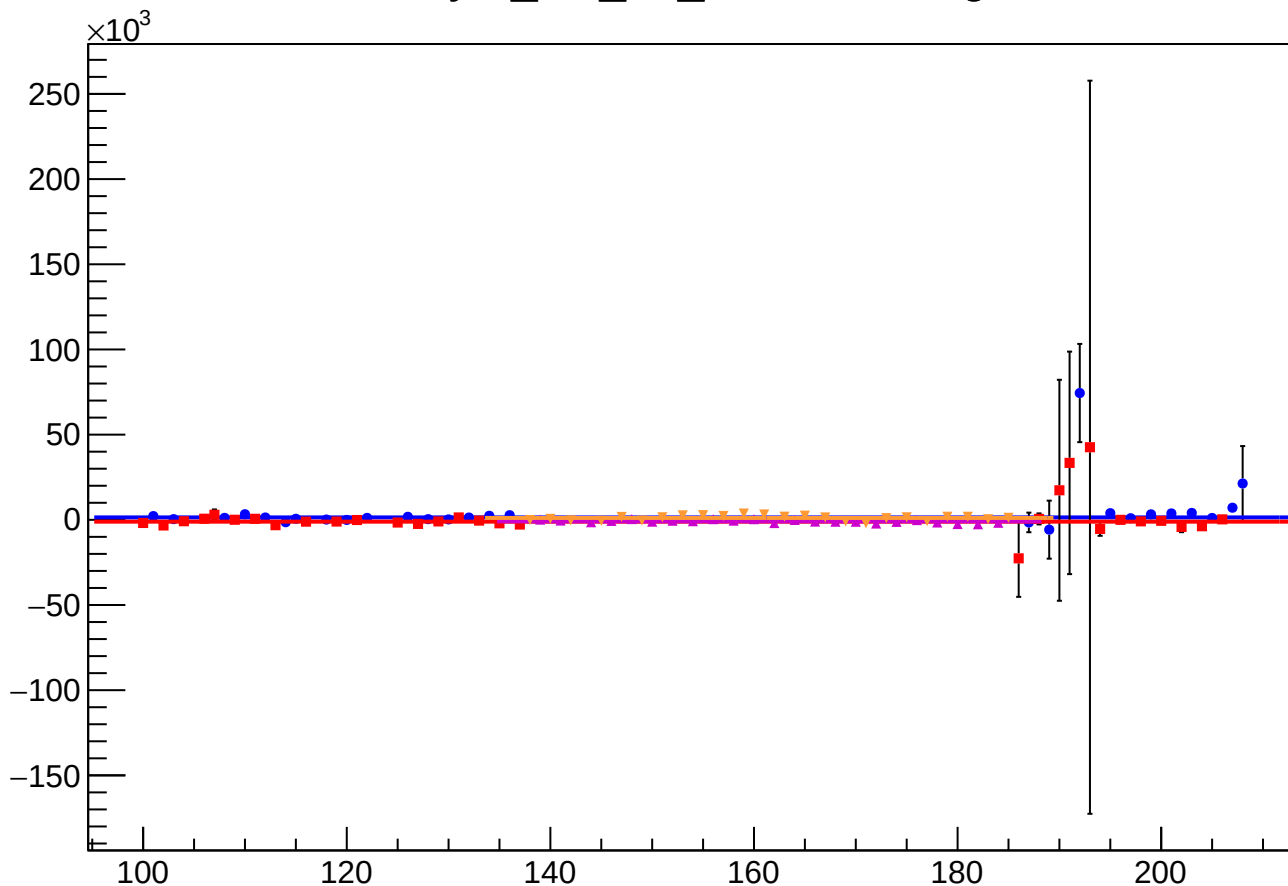
Left In: 735.543+/-0.127 χ^2/NDF : 1105222.3/22

+ sign 559.817+/-0.075 χ^2/NDF : 6441908.2/50

All: 440.414+/-0.047 χ^2/NDF : 36677191.0/10

- sign 363.162+/-0.060 χ^2/NDF : 26066298.1/52

asym_left_dd_mean vs Slug



Right In: 1412.557 $\pm$ 280.532 χ^2 /NDF: 29.7/26

Left Out: 1105.144 $\pm$ 228.700 χ^2 /NDF:38.3/23

Right Out: -1075.557 $\pm$ 269.513 χ^2 /NDF: 28.0/29

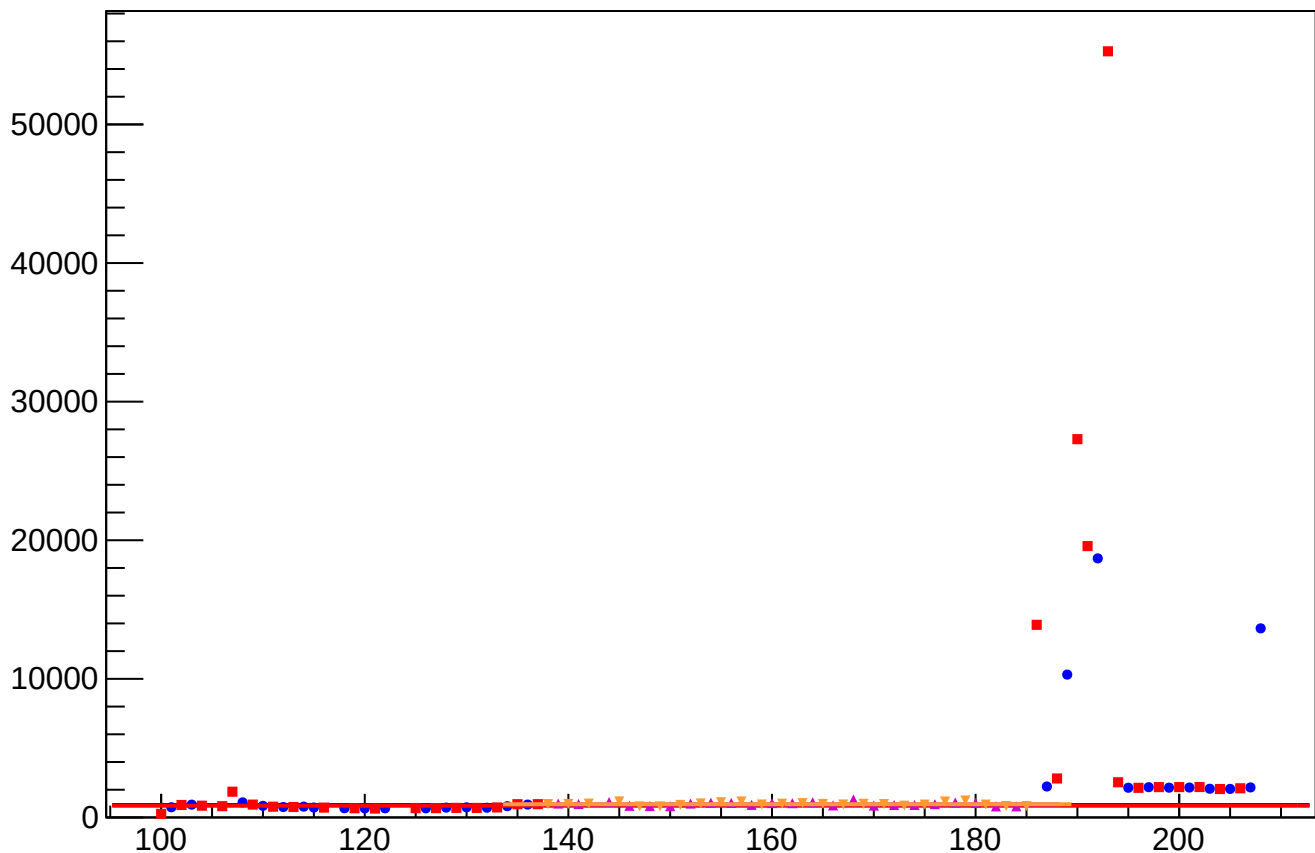
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF:15.1/22

+ sign 1227.882 $\pm$ 177.260 χ^2 /NDF: 68.7/50

All: 100.056 $\pm$ 124.229 χ^2 /NDF: 191.6/103

- sign -988.612 $\pm$ 174.155 χ^2 /NDF: 43.3/52

asym_left_dd_rms vs Slug



Right In: 898.610+/-0.198 χ^2/NDF : 6688881.5/26

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

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

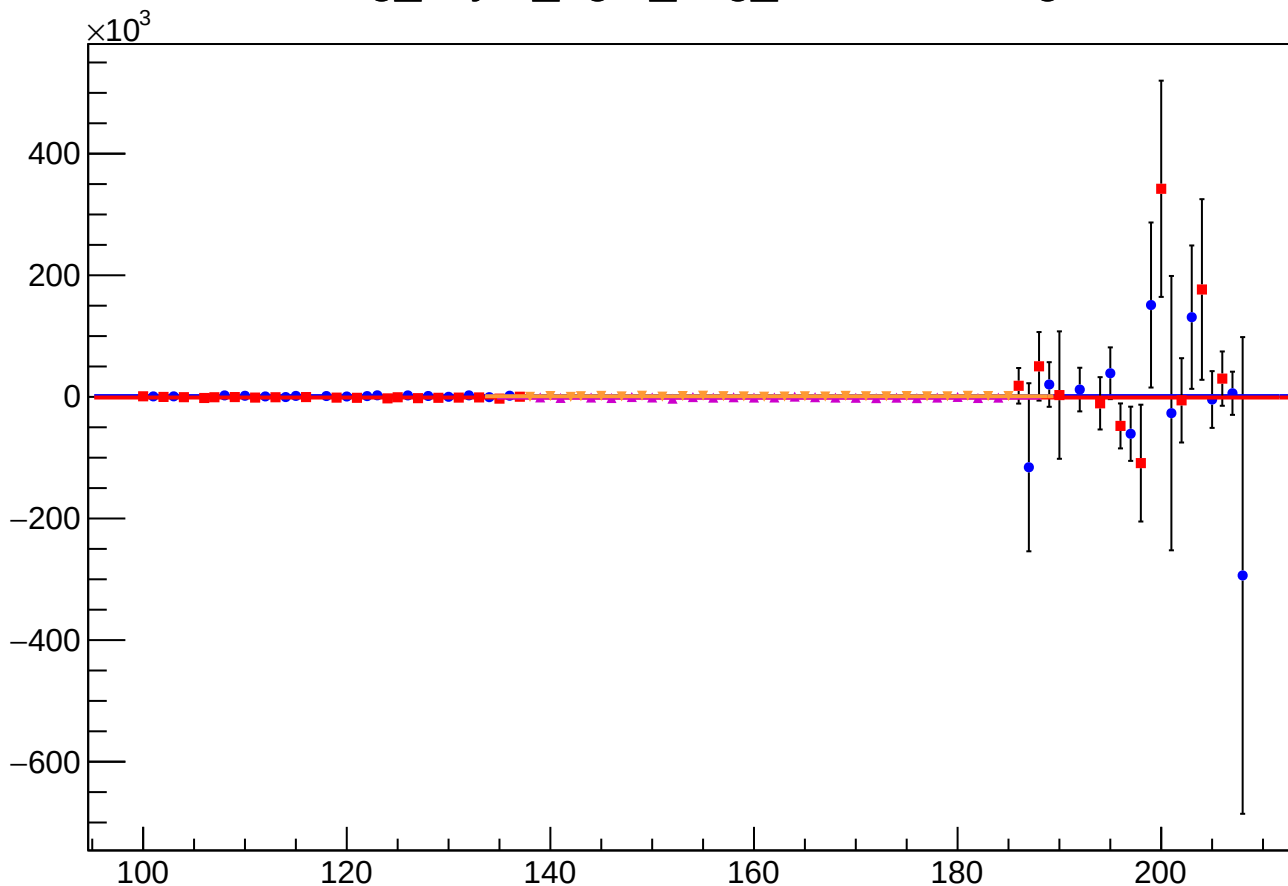
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 931.753+/-0.125 χ^2/NDF : 7195562.9/50

All: 917.791+/-0.088 χ^2/NDF : 15014512.6/10

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

reg_asym_right_avg_mean vs Slug



Right In: 1325.102 $\pm$ 218.579 χ^2 /NDF: 19.6/27

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

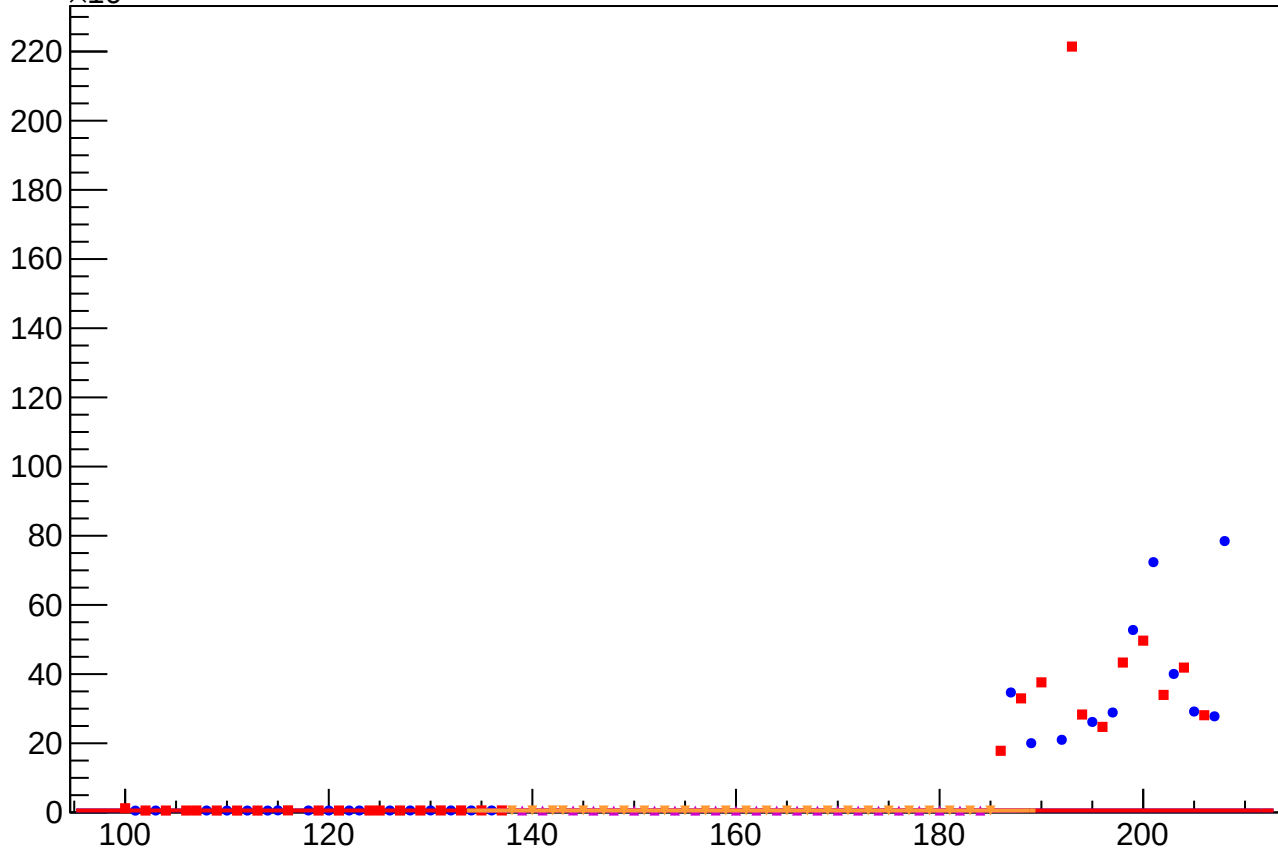
+ sign 1139.104 $\pm$ 111.535 χ^2 /NDF: 35.7/52

All: 31.904 $\pm$ 79.301 χ^2 /NDF: 288.5/104

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

reg_asym_right_avg_rms vs Slug

$\times 10^3$



Right In: 568.519 $\pm$ 0.155 χ^2 /NDF: 5759784.7/27

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

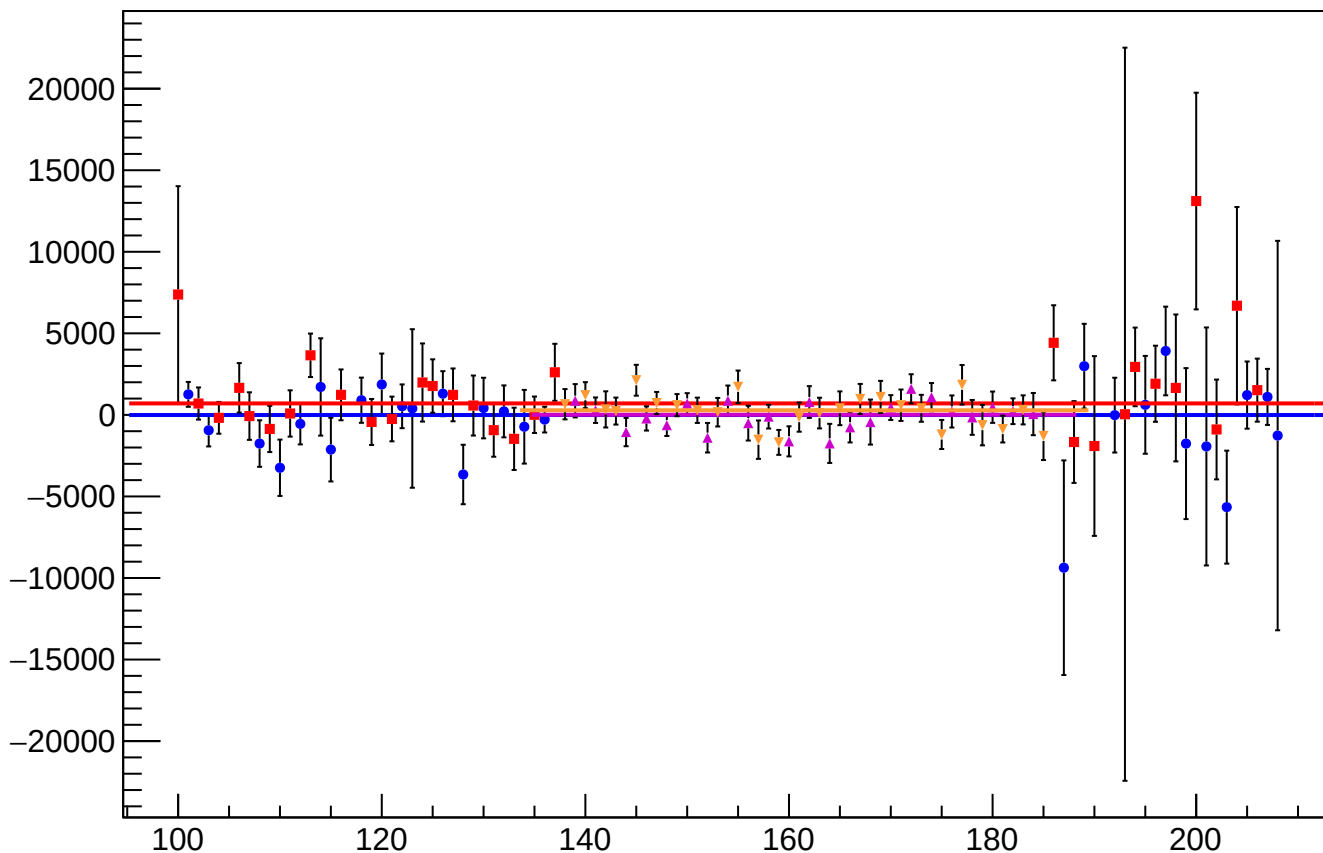
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

+ sign 560.394 $\pm$ 0.079 χ^2 /NDF: 5778273.7/52

All: 560.479 $\pm$ 0.056 χ^2 /NDF: 11277949.5/10

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

asym_right_avg_correction_mean vs Slug



Right In: -8.407 ± 306.880 χ^2/NDF : 26.3/27

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

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

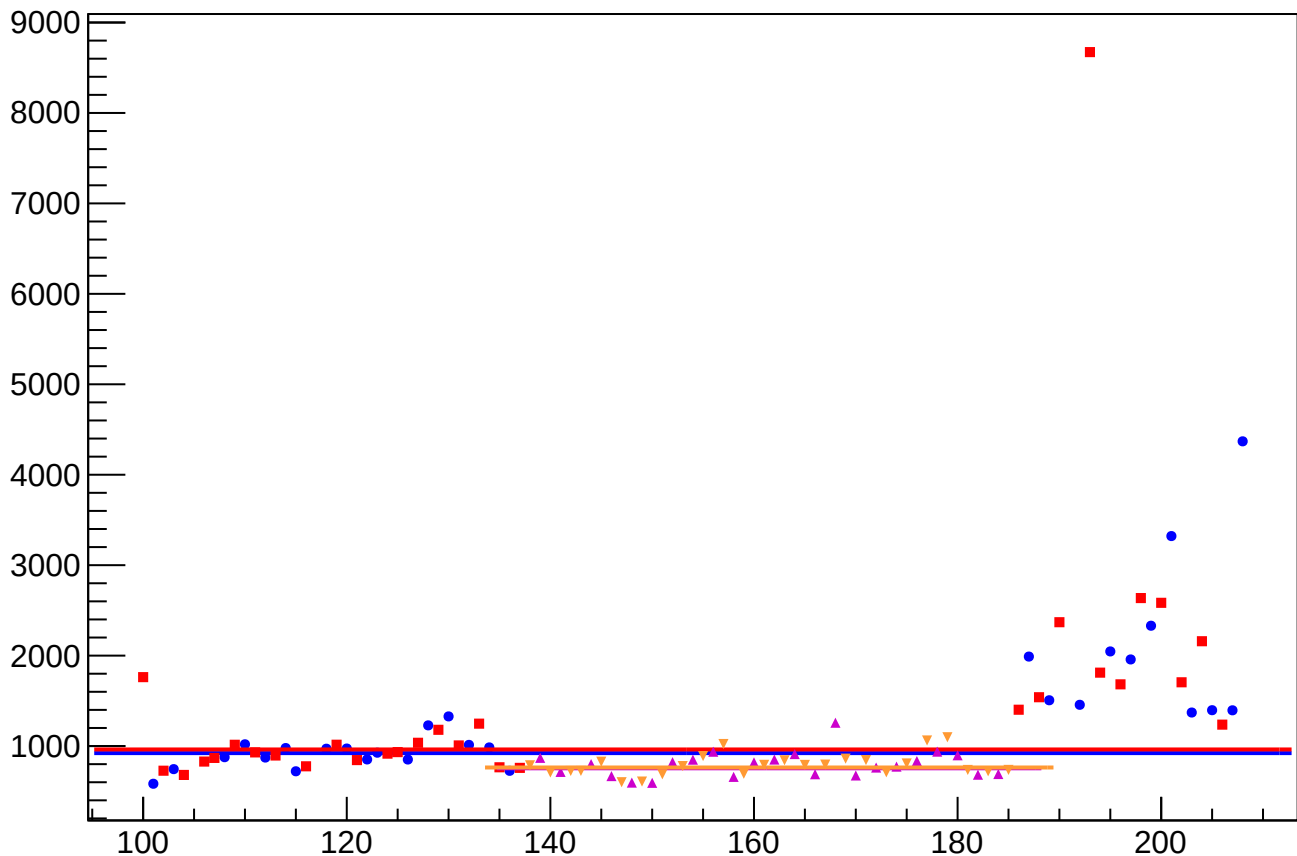
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 207.310 ± 155.534 χ^2/NDF : 53.7/52

All: 196.872 ± 110.902 χ^2/NDF : 102.1/105

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

asym_right_avg_correction_rms vs Slug



Right In: 922.111 $\pm$ 0.217 χ^2 /NDF: 2484538.6/27

Left Out: 763.085 $\pm$ 0.128 χ^2 /NDF: 753700.1/24

Right Out: 962.502 $\pm$ 0.221 χ^2 /NDF: 2174787.8/29

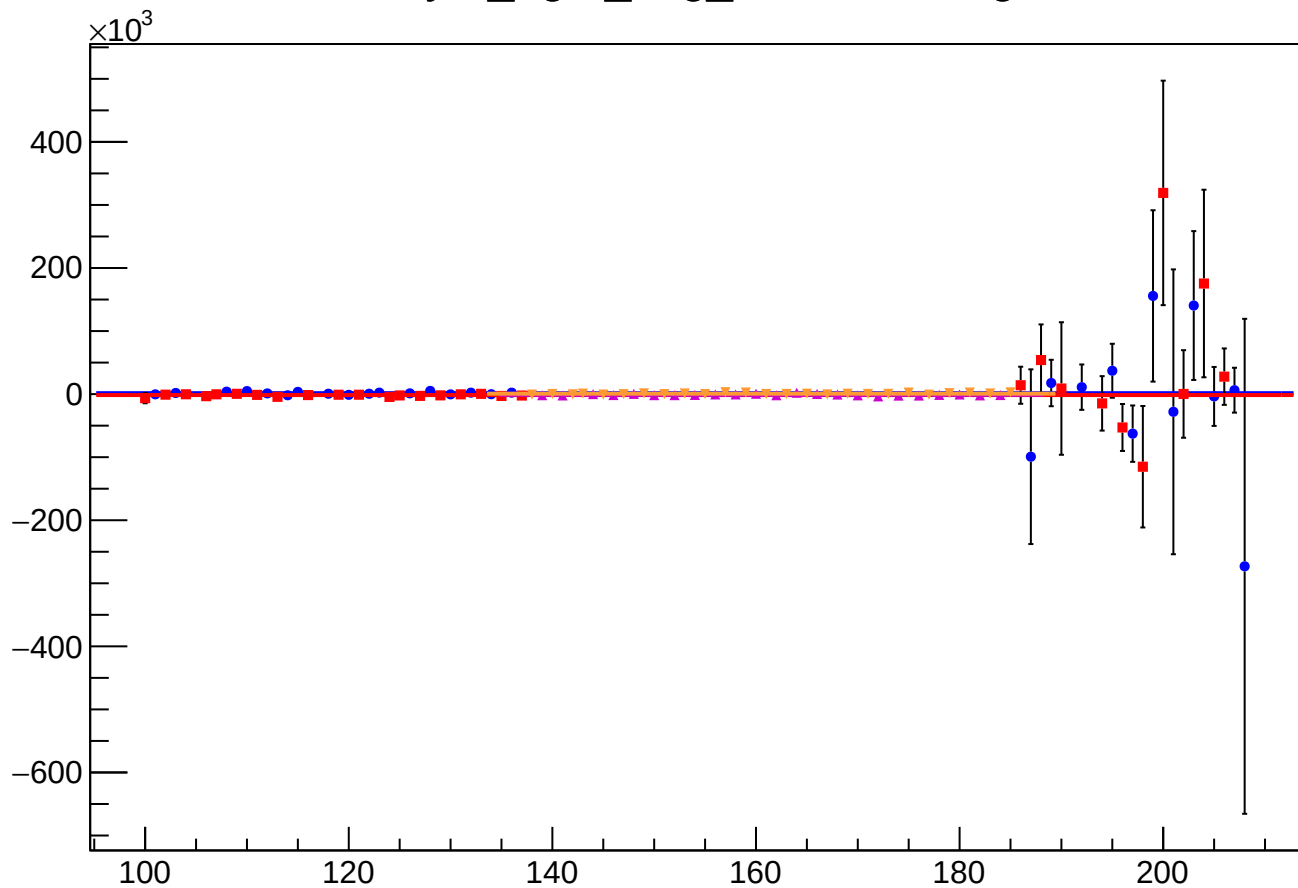
Left In: 754.099 $\pm$ 0.130 χ^2 /NDF: 931829.3/22

+ sign 803.934 $\pm$ 0.110 χ^2 /NDF: 3637351.2/52

All: 805.661 $\pm$ 0.078 χ^2 /NDF: 7405693.0/105

- sign 807.448 $\pm$ 0.112 χ^2 /NDF: 3767839.9/52

asym_right_avg_mean vs Slug



Right In: 1501.006 ± 402.536 χ^2/NDF : 23.9/27

Left Out: 739.641 ± 225.535 χ^2/NDF : 21.5/24

Right Out: -1485.657 ± 400.599 χ^2/NDF : 21.8/28

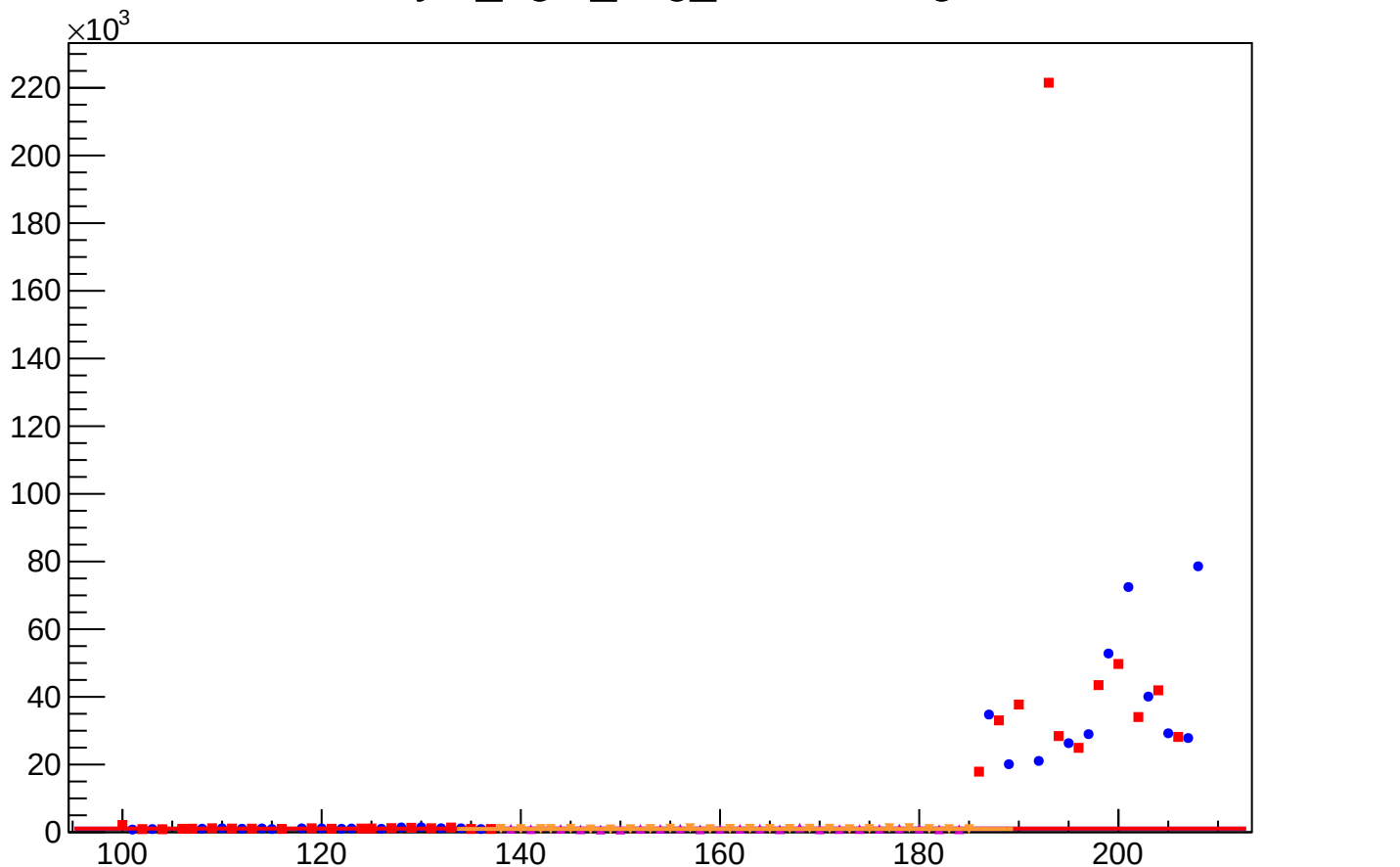
Left In: -1124.587 ± 230.065 χ^2/NDF : 25.4/22

+ sign 921.545 ± 196.757 χ^2/NDF : 48.1/52

All: -131.487 ± 140.089 χ^2/NDF : 153.9/104

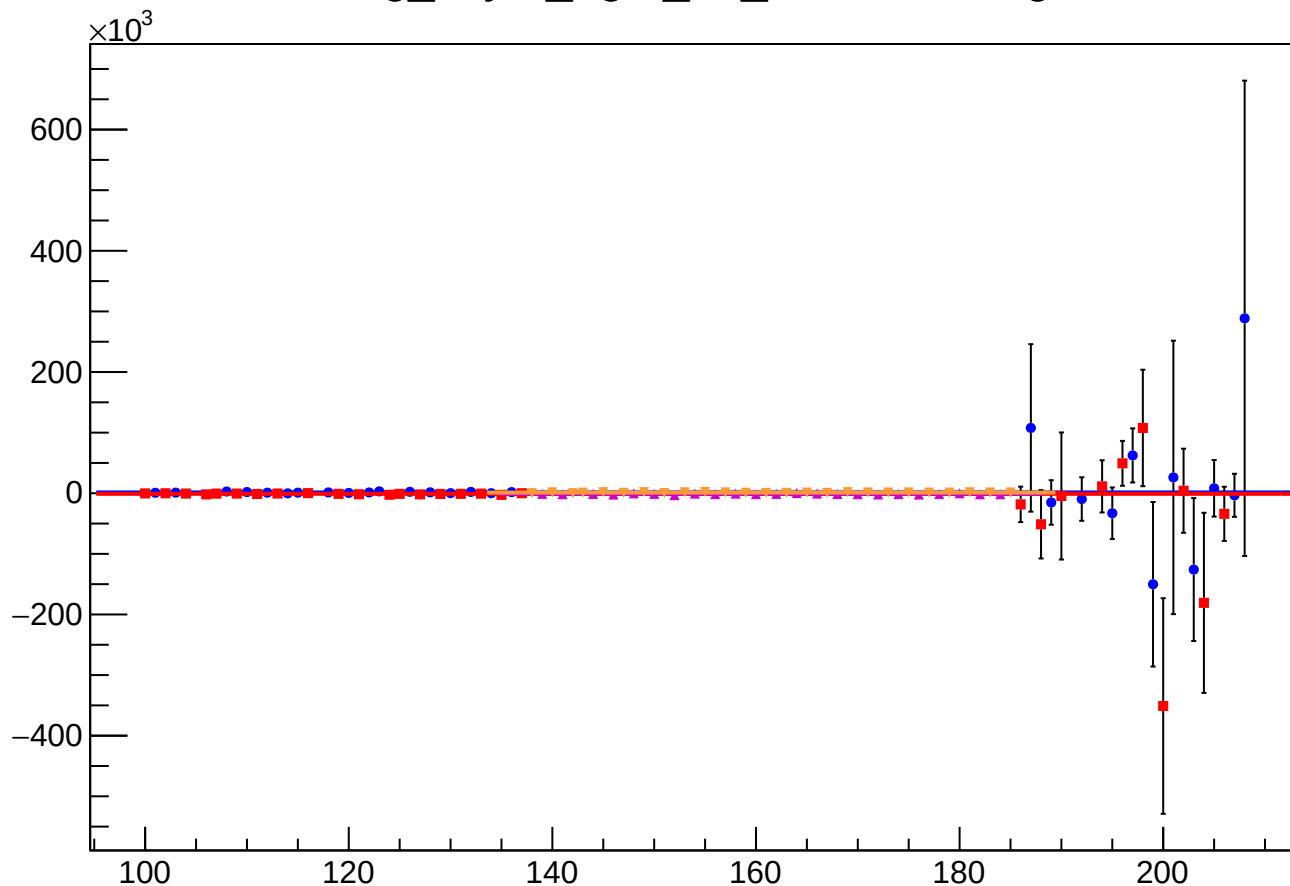
- sign -1214.140 ± 199.505 χ^2/NDF : 47.7/51

asym_right_avg_rms vs Slug



Right In: 1038.621 $\pm$ 0.285 χ^2 /NDF: 5895571.6/27 + sign 980.501 $\pm$ 0.139 χ^2 /NDF: 6313292.0/52
 Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF: 362937.6/24 All: 982.238 $\pm$ 0.099 χ^2 /NDF: 12370993.5/10
 Right Out: 1073.106 $\pm$ 0.283 χ^2 /NDF: 5482472.3/29 - sign 984.025 $\pm$ 0.141 χ^2 /NDF: 6057385.2/52
 Left In: 954.643 $\pm$ 0.163 χ^2 /NDF: 443395.0/22

reg_asym_right_dd_mean vs Slug



Right In: 1344.488 $\pm$ 218.833 χ^2 /NDF: 18.4/27

Left Out: 1087.627 $\pm$ 129.821 χ^2 /NDF:14.9/24

Right Out: -966.131 $\pm$ 208.597 χ^2 /NDF: 22.5/28

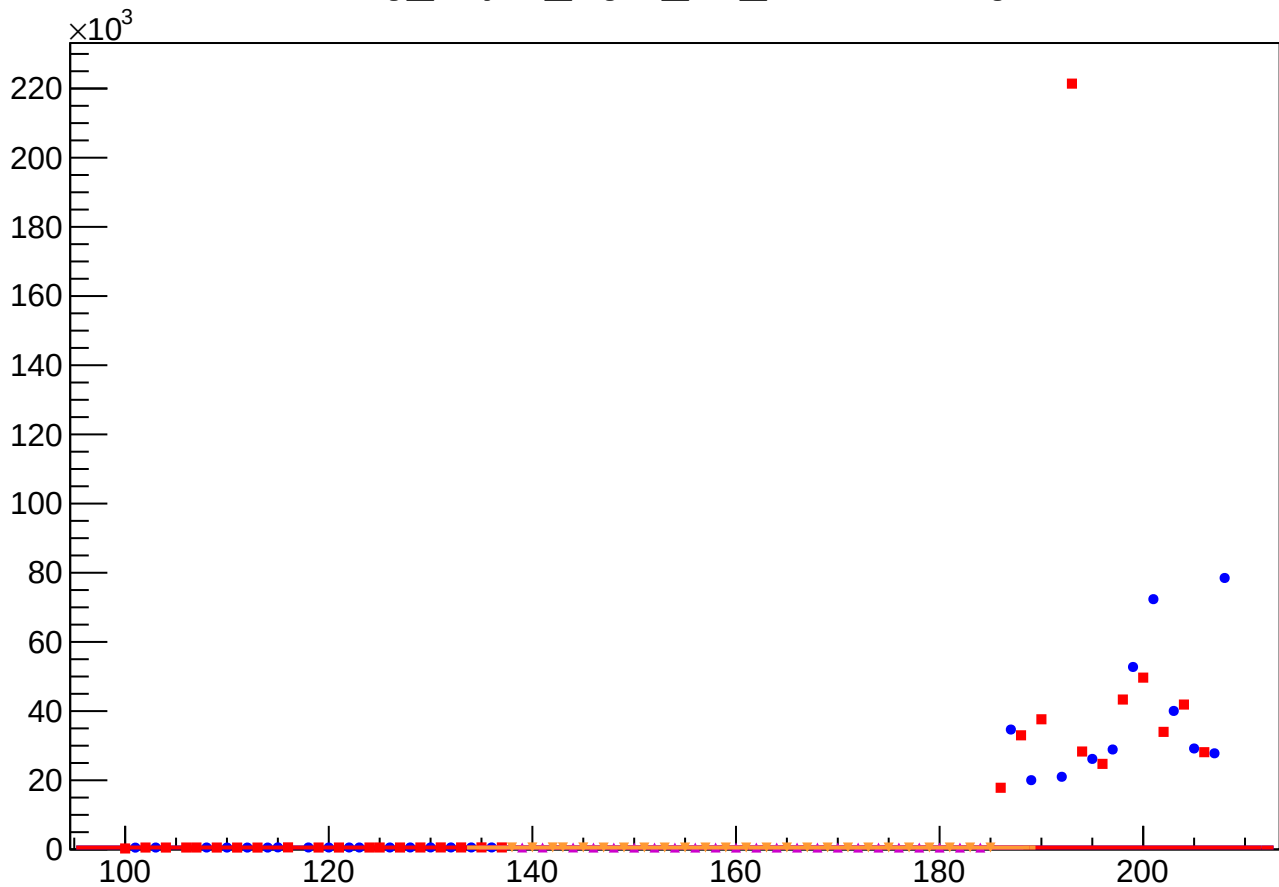
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.493 $\pm$ 111.652 χ^2 /NDF: 34.4/52

All: 21.809 $\pm$ 79.189 χ^2 /NDF: 296.9/104

- sign -1124.711 $\pm$ 112.332 χ^2 /NDF: 55.4/51

reg_asym_right_dd_rms vs Slug



Right In: 569.182 $\pm$ 0.155 χ^2 /NDF: 5759989.2/27

Left Out: 558.099 $\pm$ 0.092 χ^2 /NDF:14785.2/24

Right Out: 558.678 $\pm$ 0.148 χ^2 /NDF: 5570968.7/29

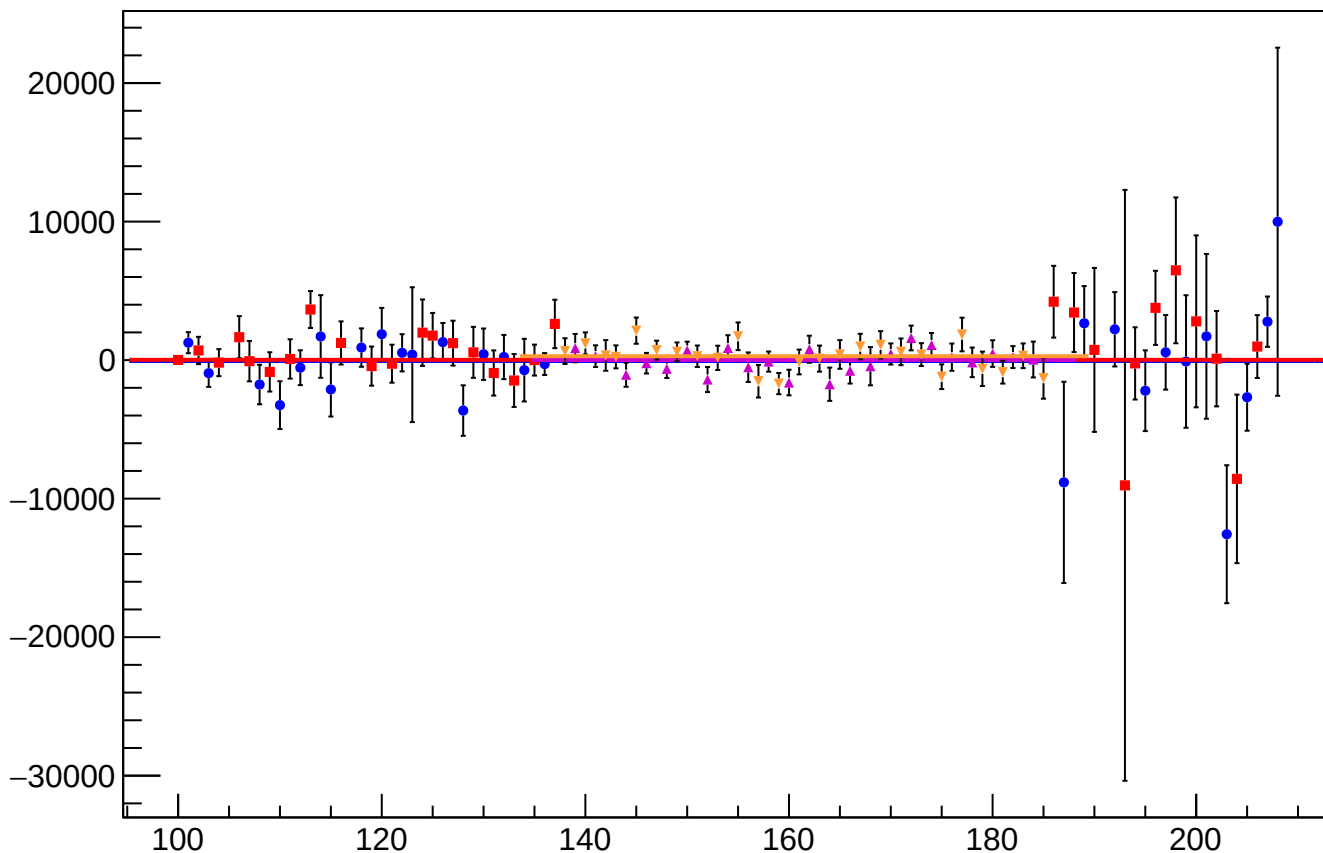
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

+ sign 560.984 $\pm$ 0.079 χ^2 /NDF: 5778569.3/52

All: 559.457 $\pm$ 0.056 χ^2 /NDF: 11361606.4/10

- sign 557.910 $\pm$ 0.079 χ^2 /NDF: 5582283.6/52

asym_right_dd_correction_mean vs Slug



Right In: -61.363 ± 309.803 χ^2/NDF : 31.5/27

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

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

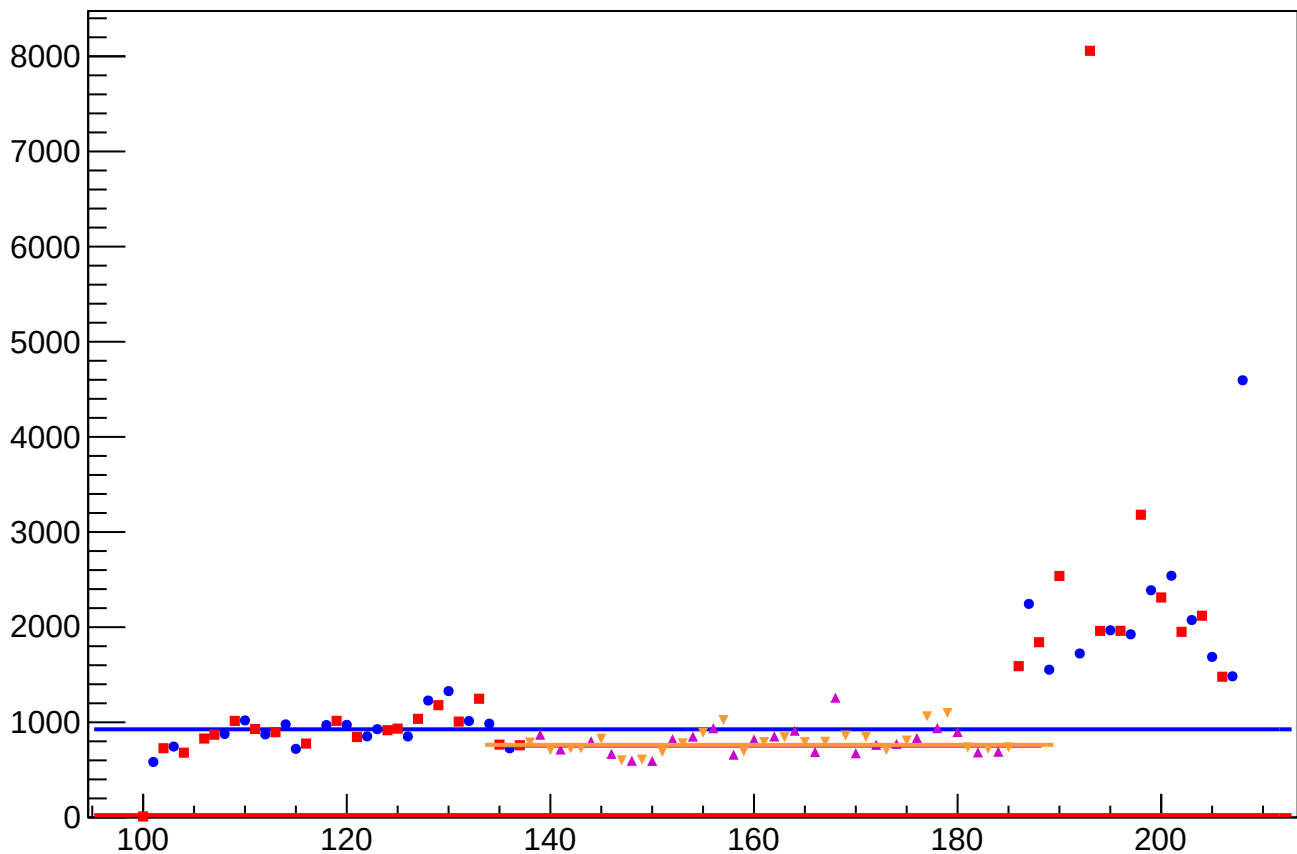
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 194.551 ± 155.946 χ^2/NDF : 59.2/52

All: 31.840 ± 36.992 χ^2/NDF : 106.5/105

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

asym_right_dd_correction_rms vs Slug



Right In: 926.500 $\pm$ 0.219 χ^2 /NDF: 2683714.3/27

Left Out: 763.307 $\pm$ 0.128 χ^2 /NDF: 753728.9/24

Right Out: 24.468 $\pm$ 0.028 χ^2 /NDF: 20506278.2/29

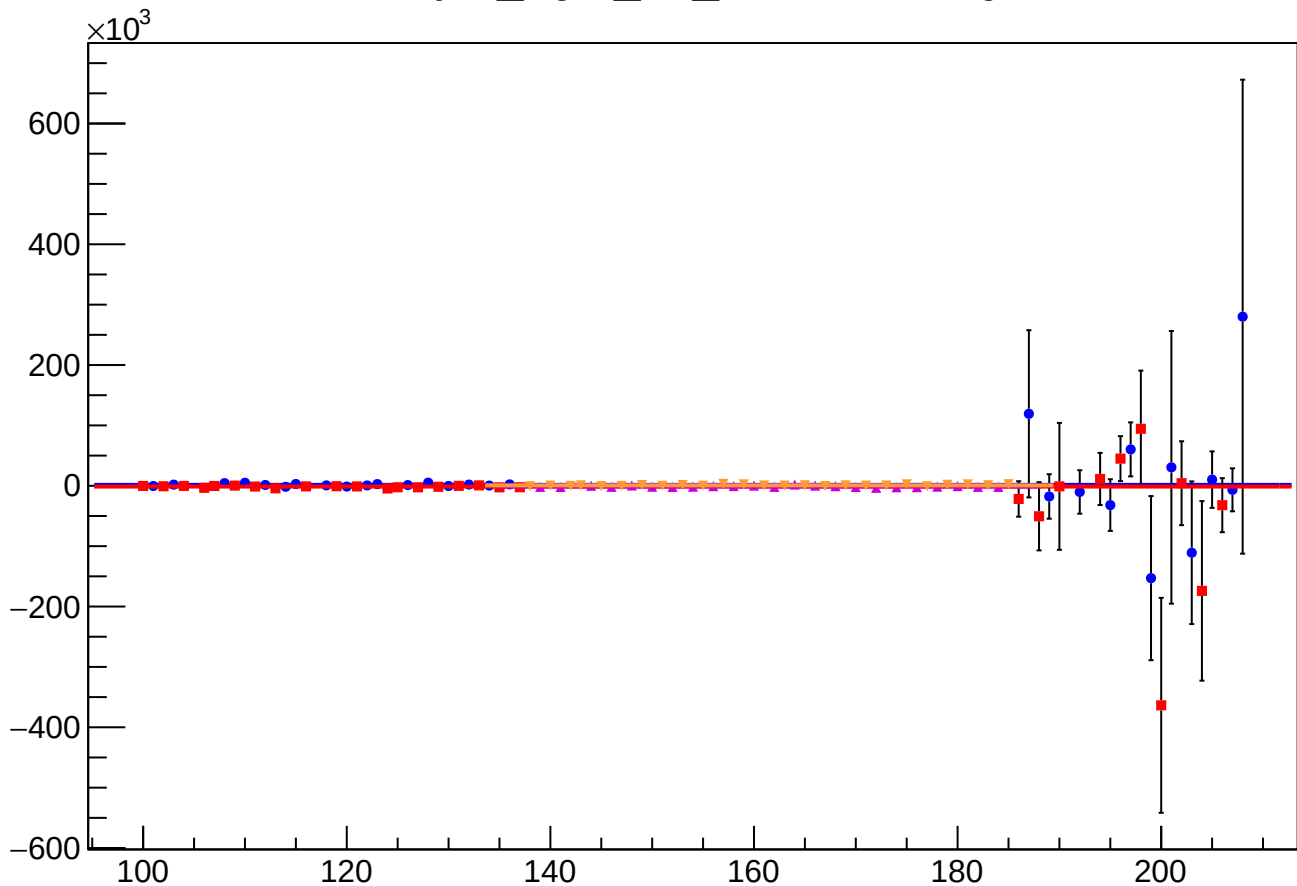
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 804.657 $\pm$ 0.110 χ^2 /NDF: 3851787.8/52

All: 98.045 $\pm$ 0.026 χ^2 /NDF: 99099323.6/105

- sign 55.913 $\pm$ 0.027 χ^2 /NDF: 51736699.7/52

asym_right_dd_mean vs Slug



Right In: 1515.826 $\pm$ 402.759 χ^2 /NDF: 24.0/27

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

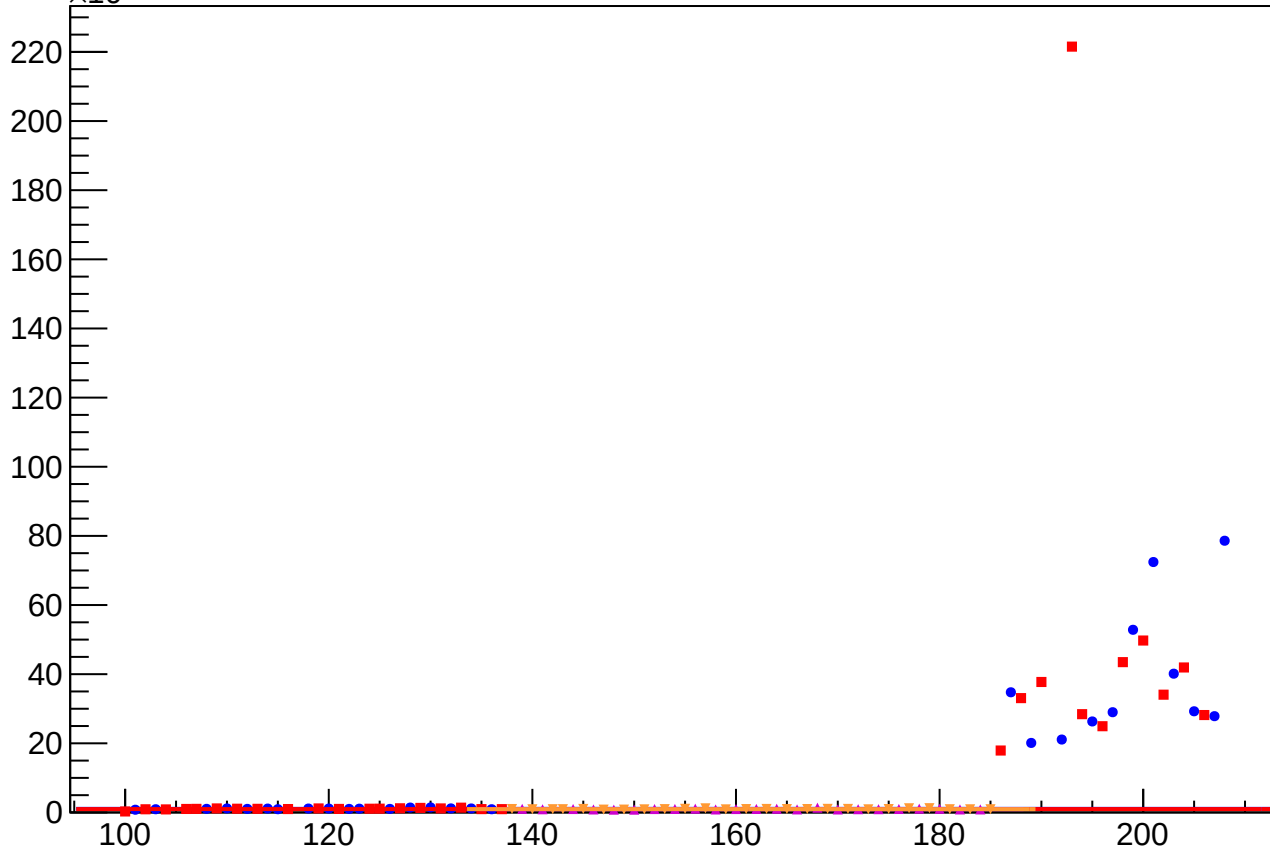
+ sign 927.506 $\pm$ 196.864 χ^2 /NDF: 47.1/52

All: -142.326 $\pm$ 139.049 χ^2 /NDF: 152.5/104

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

asym_right_dd_rms vs Slug

$\times 10^3$



Right In: 1039.203 $\pm$ 0.285 χ^2 /NDF: 5896307.2/27

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

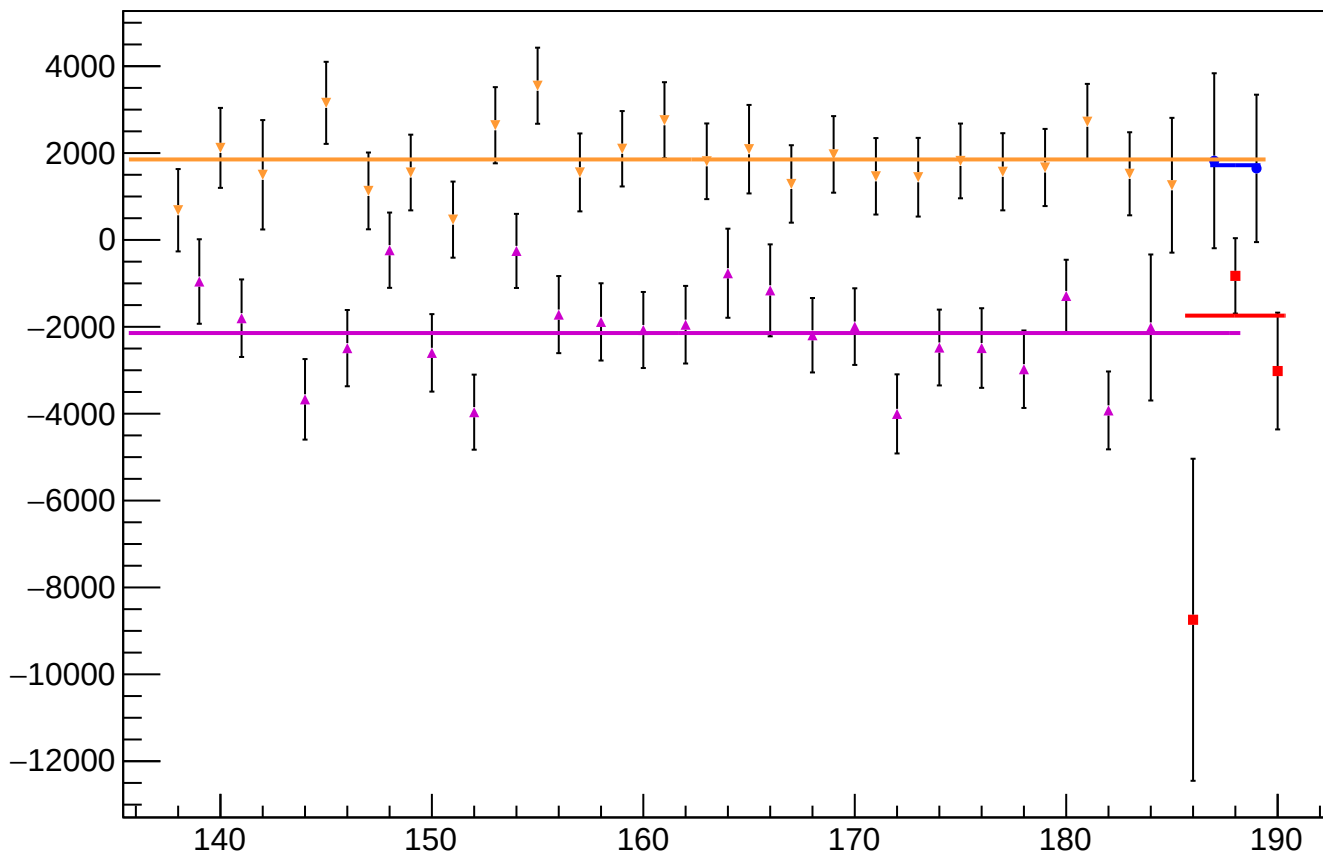
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF:443068.5/22

+ sign 981.036 $\pm$ 0.139 χ^2 /NDF: 6313955.9/52

All: 971.195 $\pm$ 0.098 χ^2 /NDF: 13126812.7/10

- 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

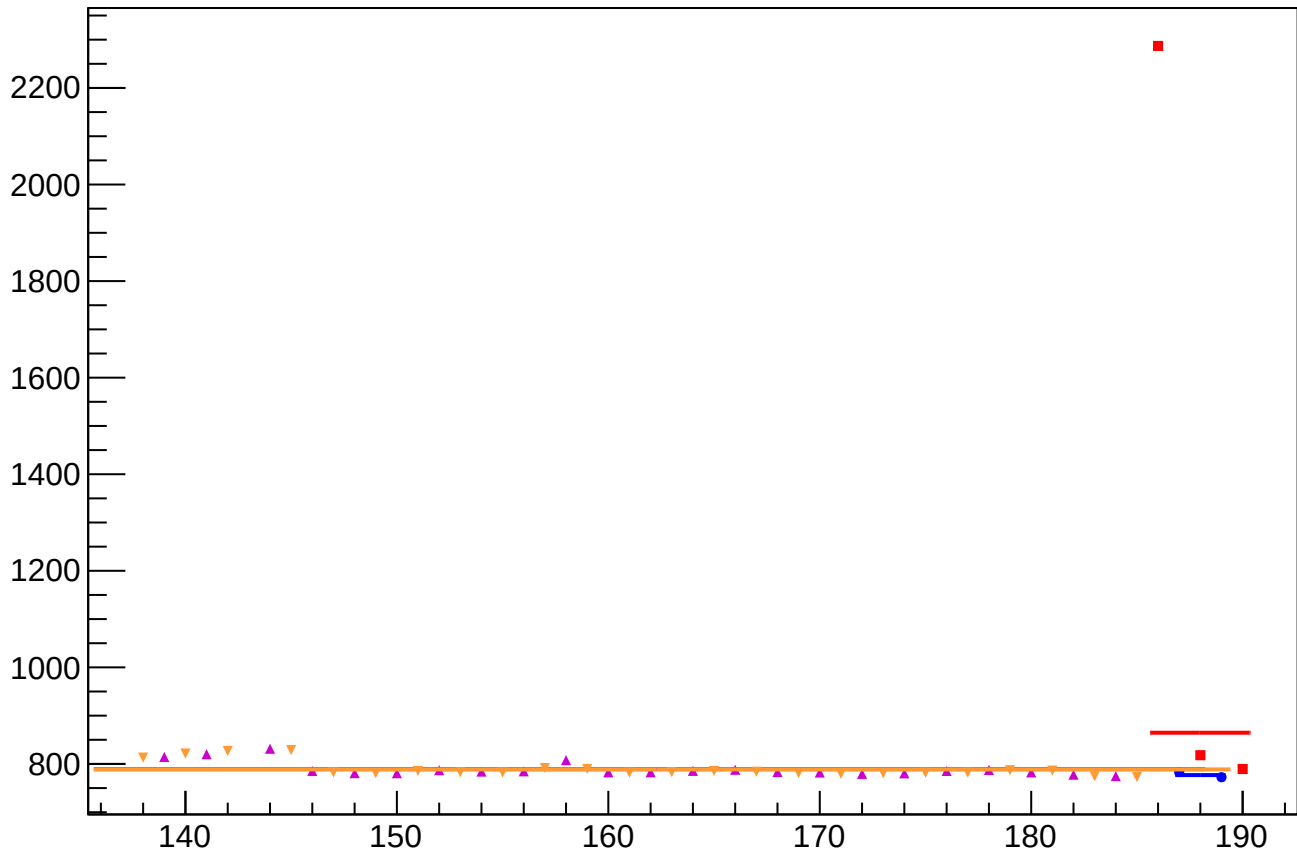
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

+ 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 $\pm$ 0.918 χ^2 /NDF: 32.5/1

Left Out: 788.658 $\pm$ 0.133 χ^2 /NDF: 11499.7/23

Right Out: 864.658 $\pm$ 0.506 χ^2 /NDF: 306489.7/2

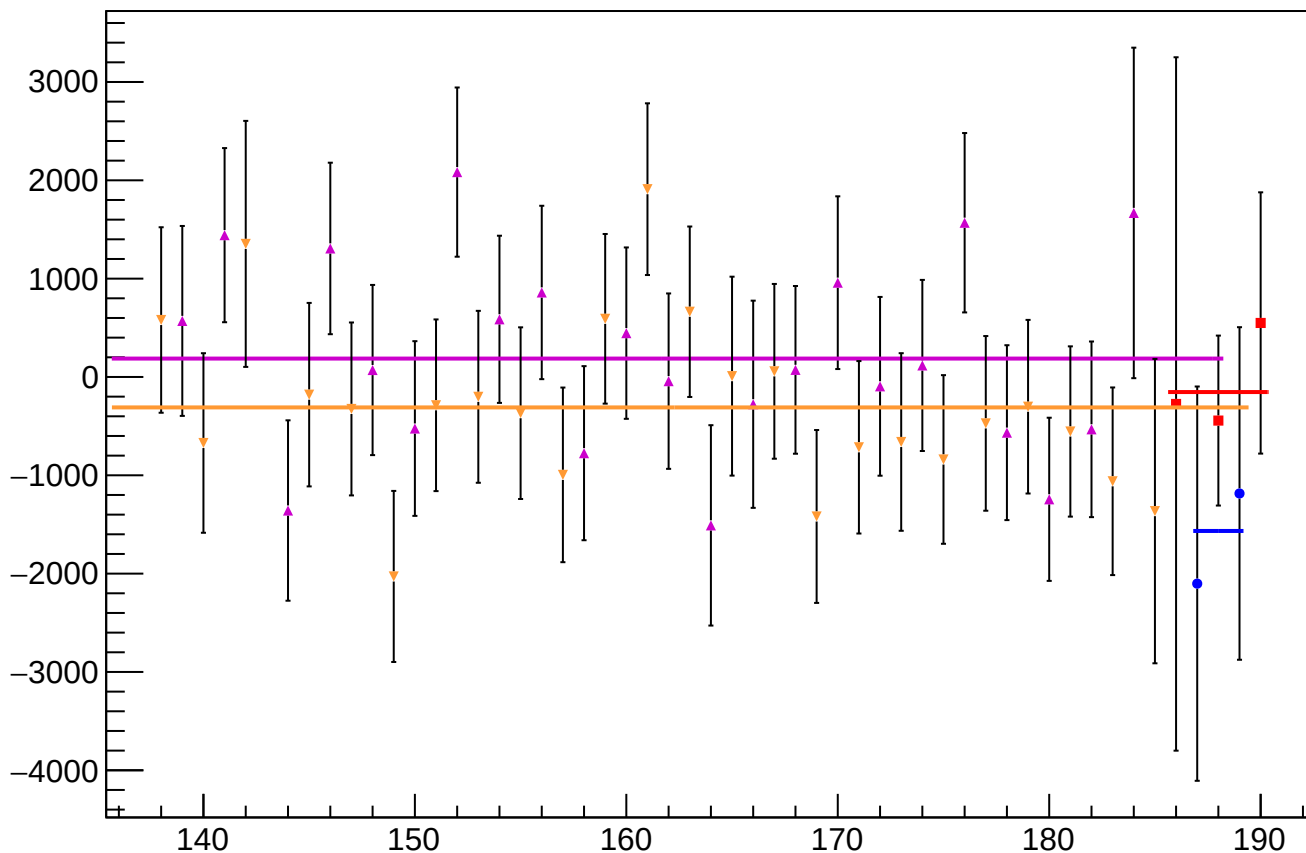
Left In: 789.176 $\pm$ 0.134 χ^2 /NDF: 10860.4/22

+ sign 788.418 $\pm$ 0.131 χ^2 /NDF: 11693.3/25

All: 791.315 $\pm$ 0.092 χ^2 /NDF: 350812.6/51

- sign 794.158 $\pm$ 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

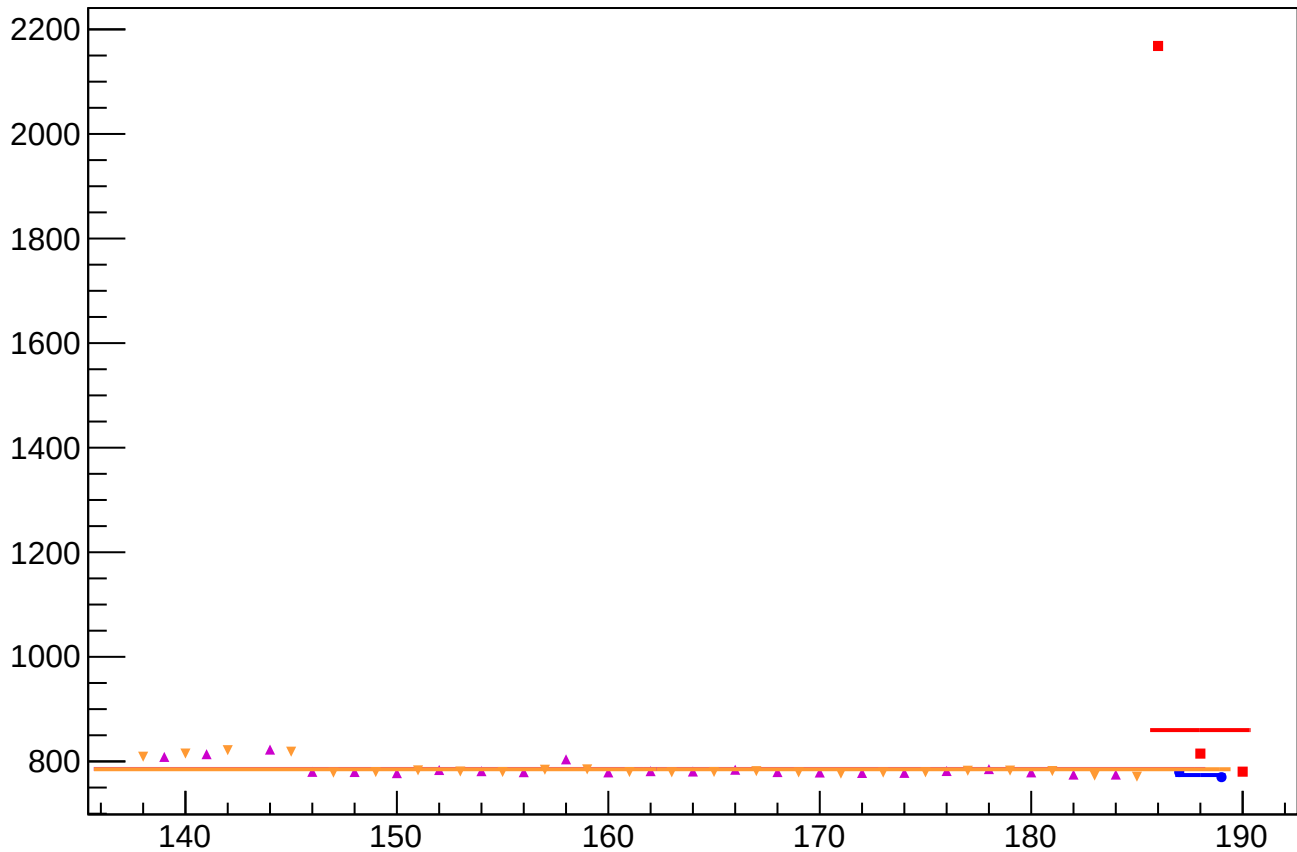
Left In: 187.105 ± 189.265 χ^2/NDF : 25.6/22

+ 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

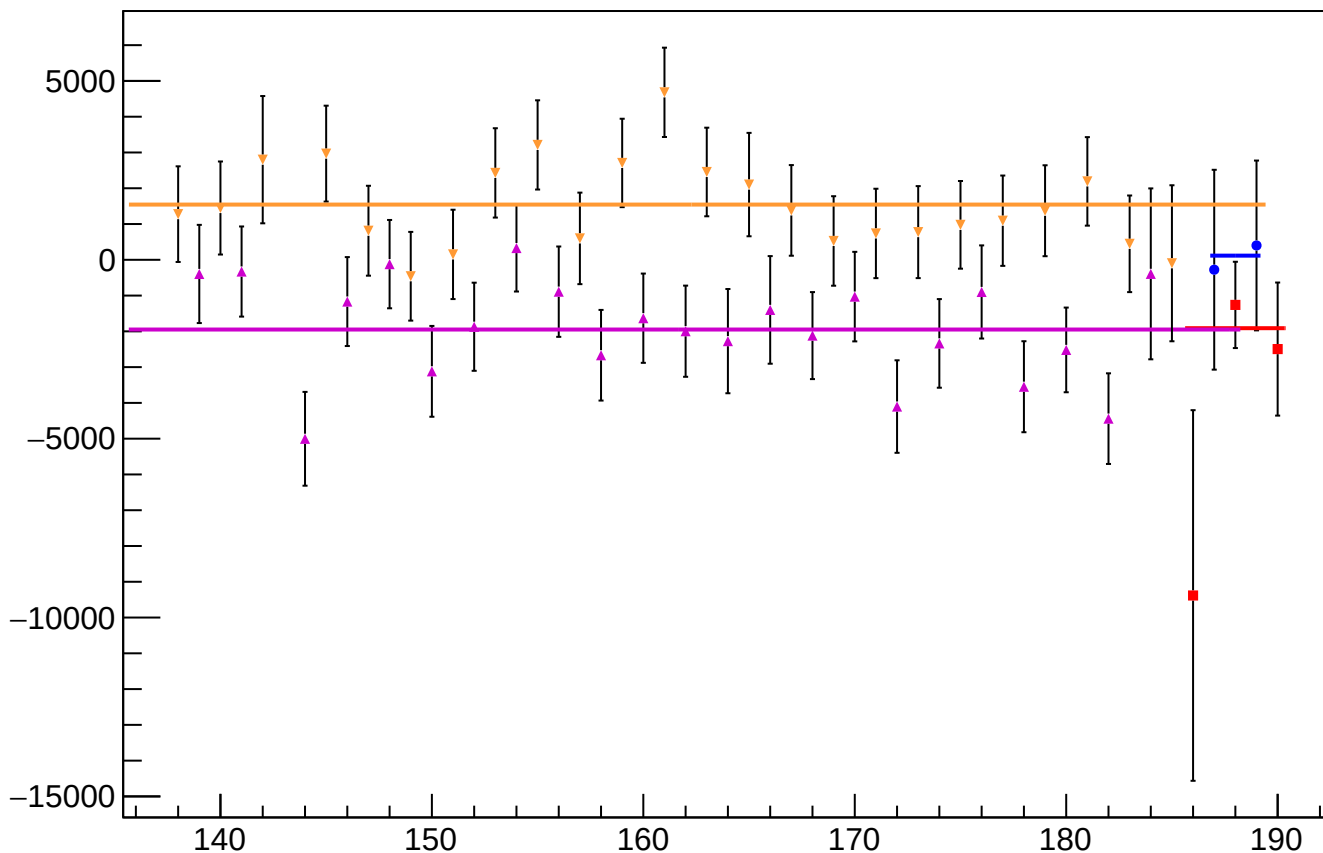
Left In: 785.562 ± 0.134 χ^2/NDF : 9033.0/22

+ 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

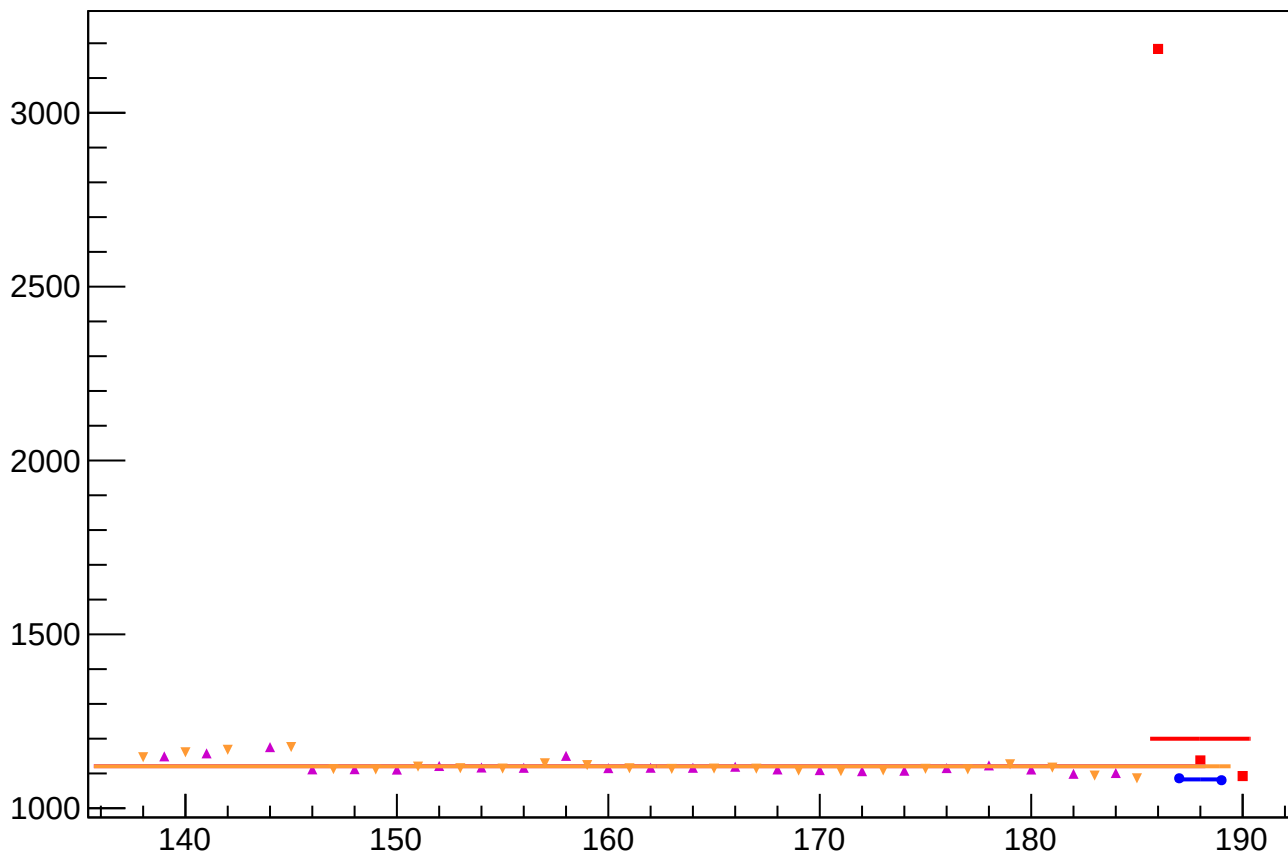
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ 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

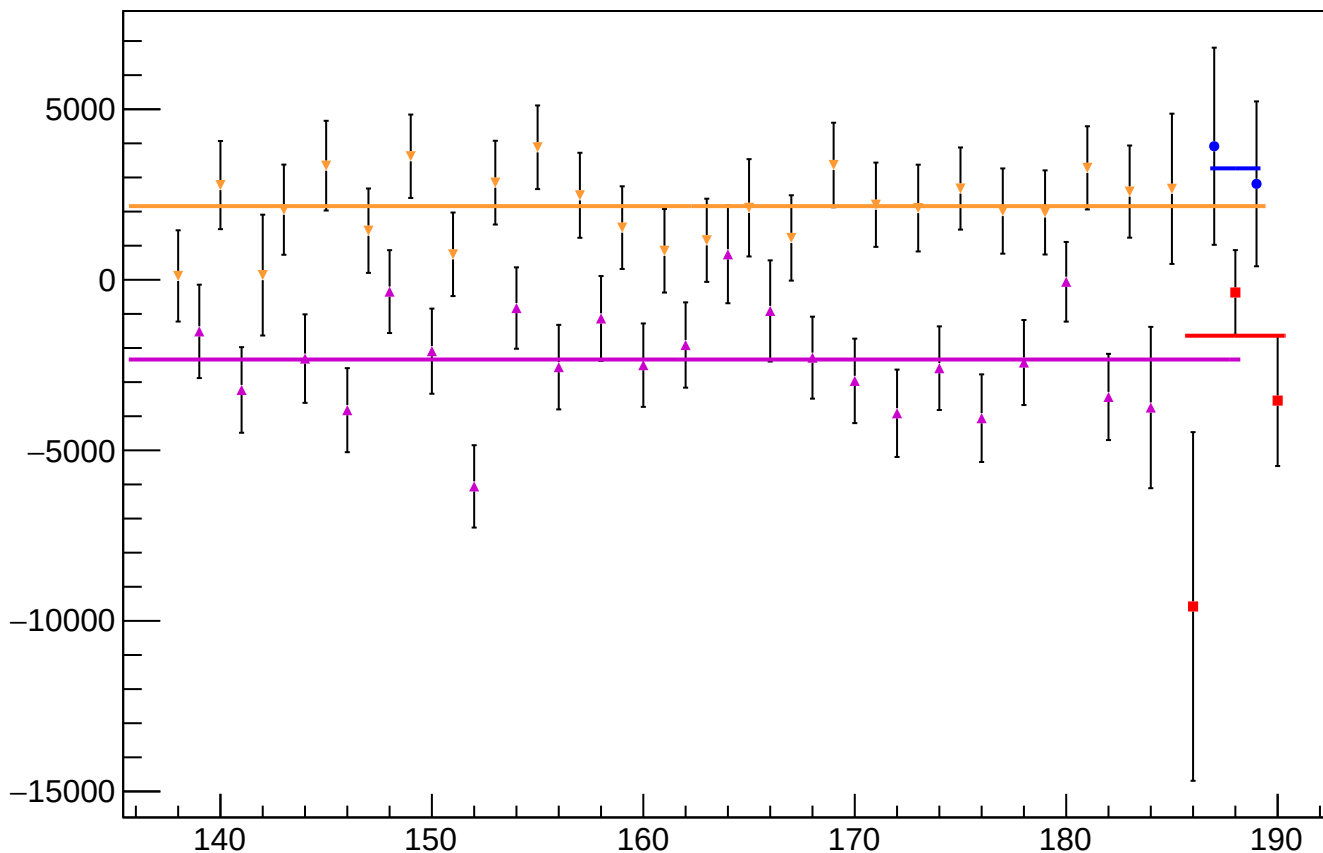
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

+ 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

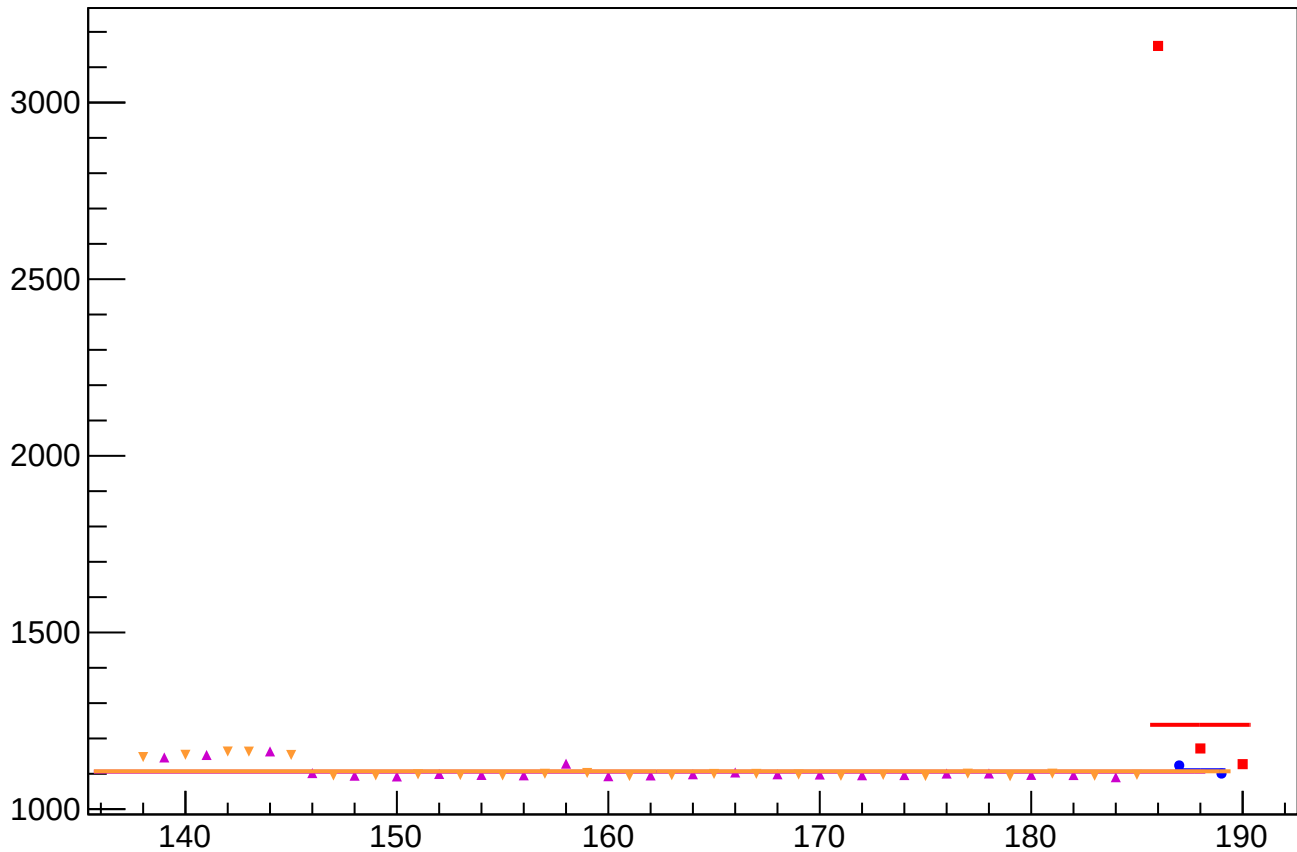
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

+ 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+/-1.311 χ^2/NDF : 75.3/1

Left Out: 1107.091+/-0.182 χ^2/NDF : 15185.2/24

Right Out: 1238.637+/-0.723 χ^2/NDF : 295245.1/2

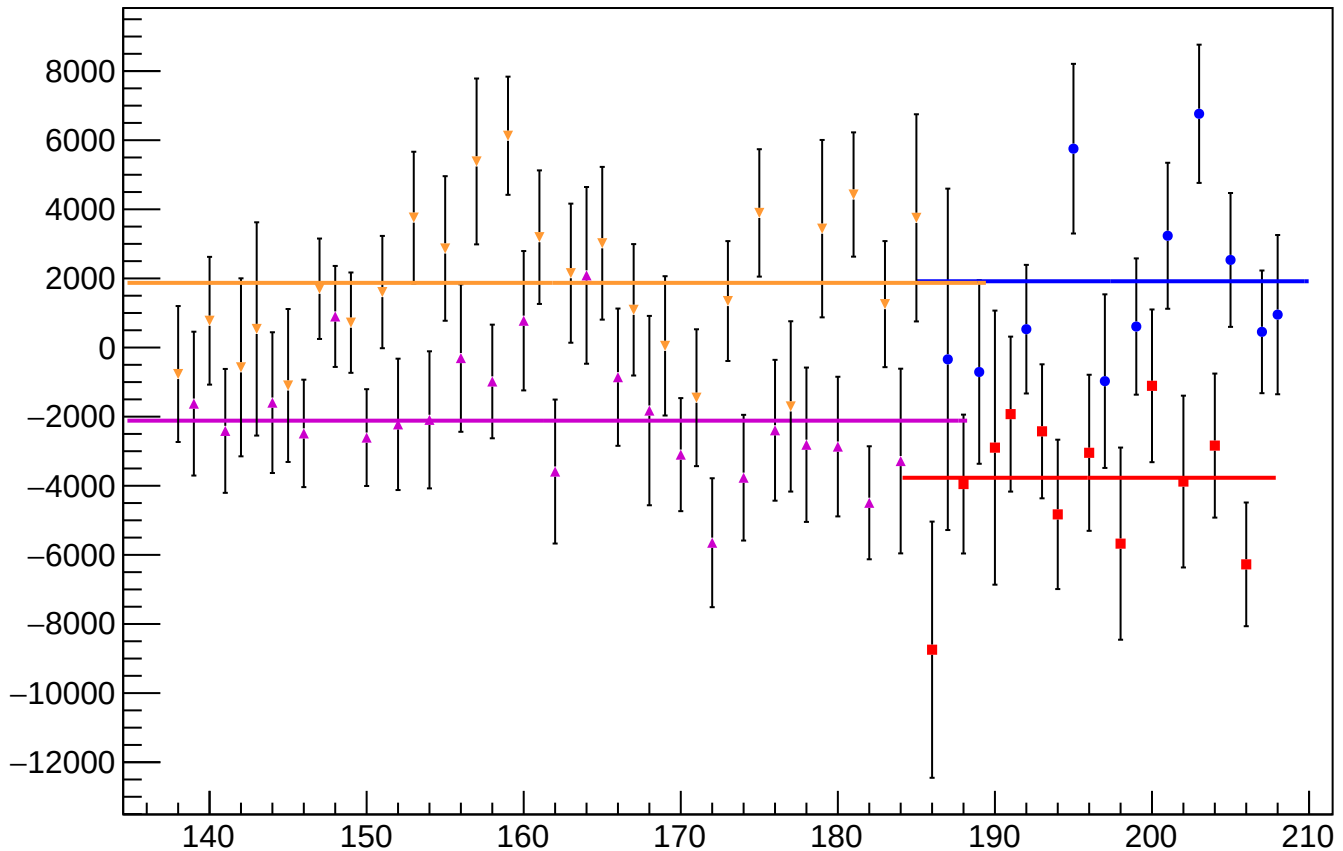
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

+ sign 1107.148+/-0.180 χ^2/NDF : 15265.7/26

All: 1110.735+/-0.128 χ^2/NDF : 353978.0/52

- sign 1114.399+/-0.182 χ^2/NDF : 337913.0/25

asym_us_agg_avg_mean vs Slug



Right In: 1918.150+/-659.453 χ^2/NDF : 13.2/10

Left Out: 1871.638+/-391.684 χ^2/NDF : 26.1/24

Right Out: -3768.708+/-659.748 χ^2/NDF : 7.4/11

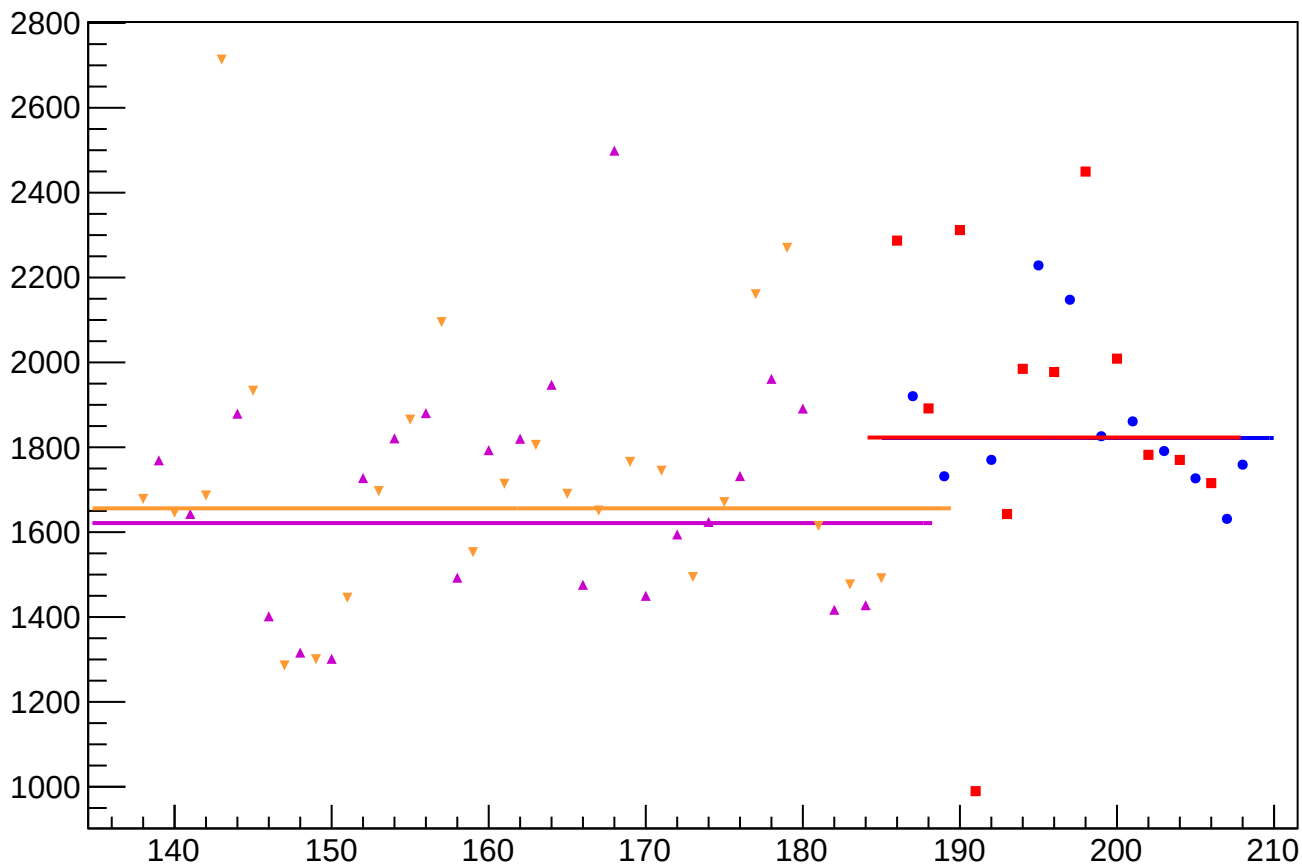
Left In: -2116.114+/-392.997 χ^2/NDF : 18.8/22

+ sign 1883.768+/-336.761 χ^2/NDF : 39.3/35

All: -326.843+/-238.434 χ^2/NDF : 156.5/70

- sign -2548.929+/-337.634 χ^2/NDF : 30.9/34

asym_us_agg_avg_rms vs Slug



Right In: 1821.870+/-0.466 χ^2/NDF : 123678.0/10

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

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

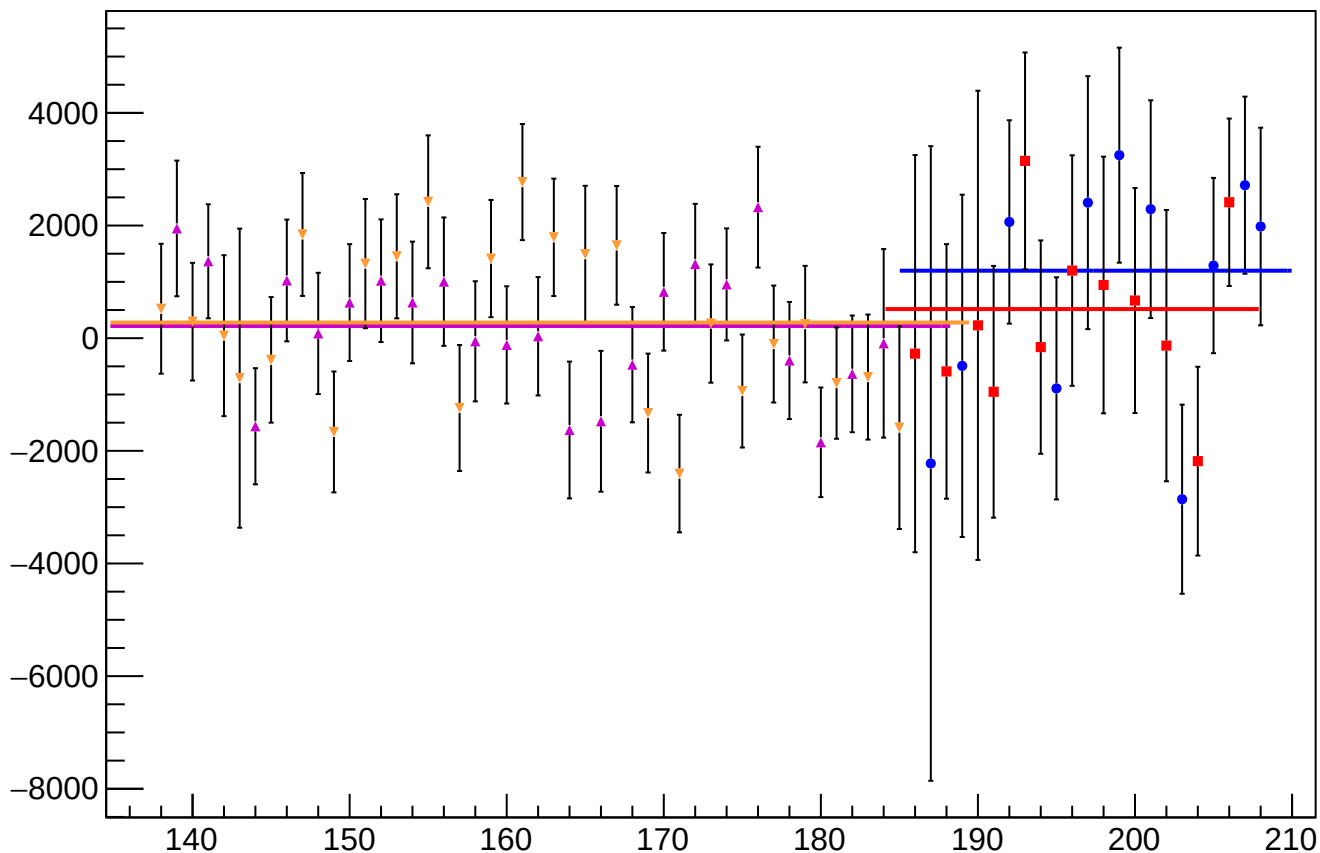
Left In: 1621.417+/-0.278 χ^2/NDF : 775310.1/22

+ sign 1699.344+/-0.238 χ^2/NDF : 1127651.0/35

All: 1686.808+/-0.169 χ^2/NDF : 2549161.5/70

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

asym_us_agg_dd_mean vs Slug



Right In: 1198.430 $\pm$ 583.091 χ^2 /NDF: 10.8/10

Left Out: 278.090 $\pm$ 223.581 χ^2 /NDF: 38.4/24

Right Out: 517.032 $\pm$ 603.459 χ^2 /NDF: 7.2/11

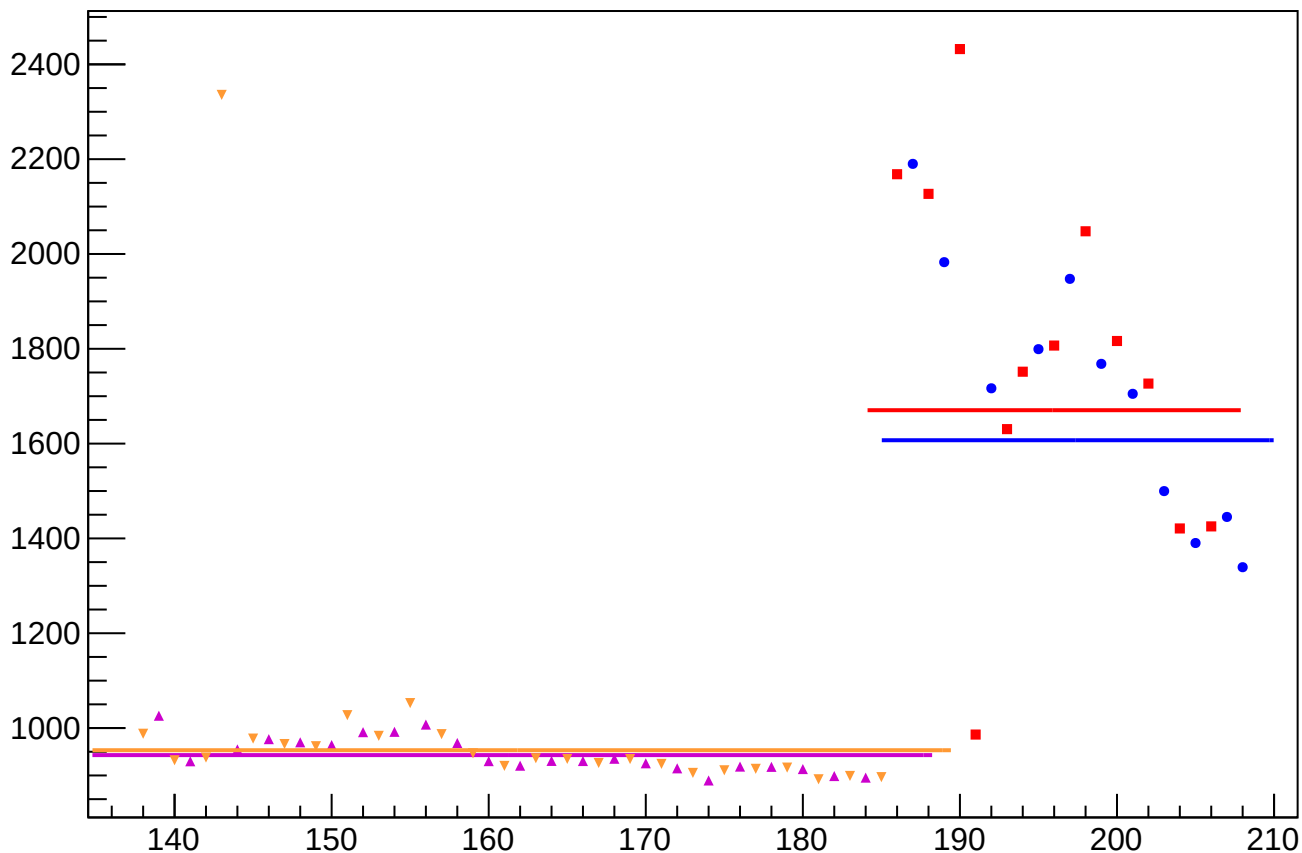
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF: 24.4/22

+ sign 396.060 $\pm$ 208.760 χ^2 /NDF: 51.3/35

All: 325.410 $\pm$ 148.511 χ^2 /NDF: 83.4/70

- sign 253.019 $\pm$ 211.316 χ^2 /NDF: 31.8/34

asym_us_agg_dd_rms vs Slug



Right In: 1607.111 $\pm$ 0.412 χ^2/NDF : 258452.2/10

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

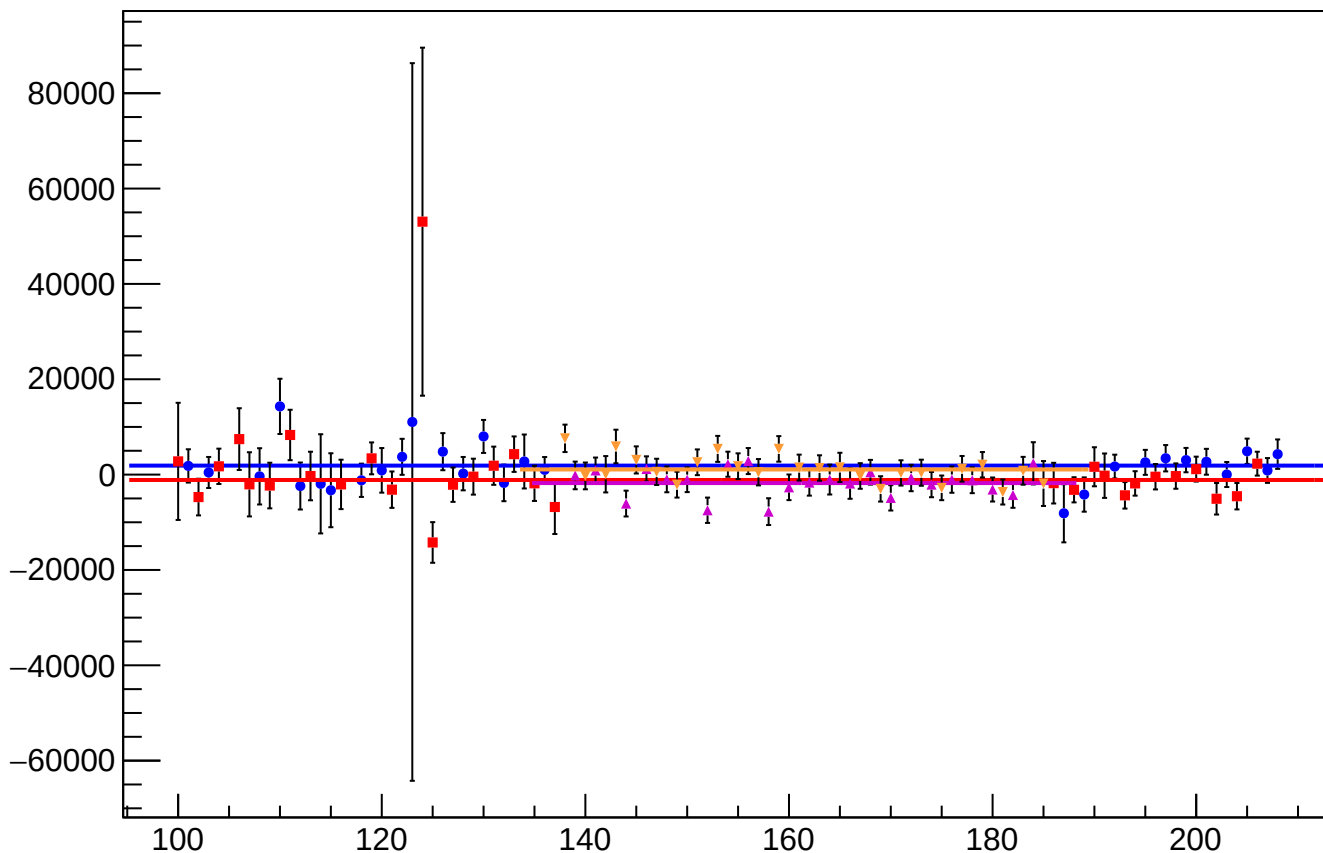
Left In: 942.927 $\pm$ 0.160 χ^2/NDF : 48402.9/22

+ sign 1037.037 $\pm$ 0.148 χ^2/NDF : 3057496.0/35

All: 1034.618 $\pm$ 0.105 χ^2/NDF : 6211453.0/70

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

reg_asym_atl1_mean vs Slug



Right In: 1886.333 $\pm$ 653.682 χ^2 /NDF: 21.1/27

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

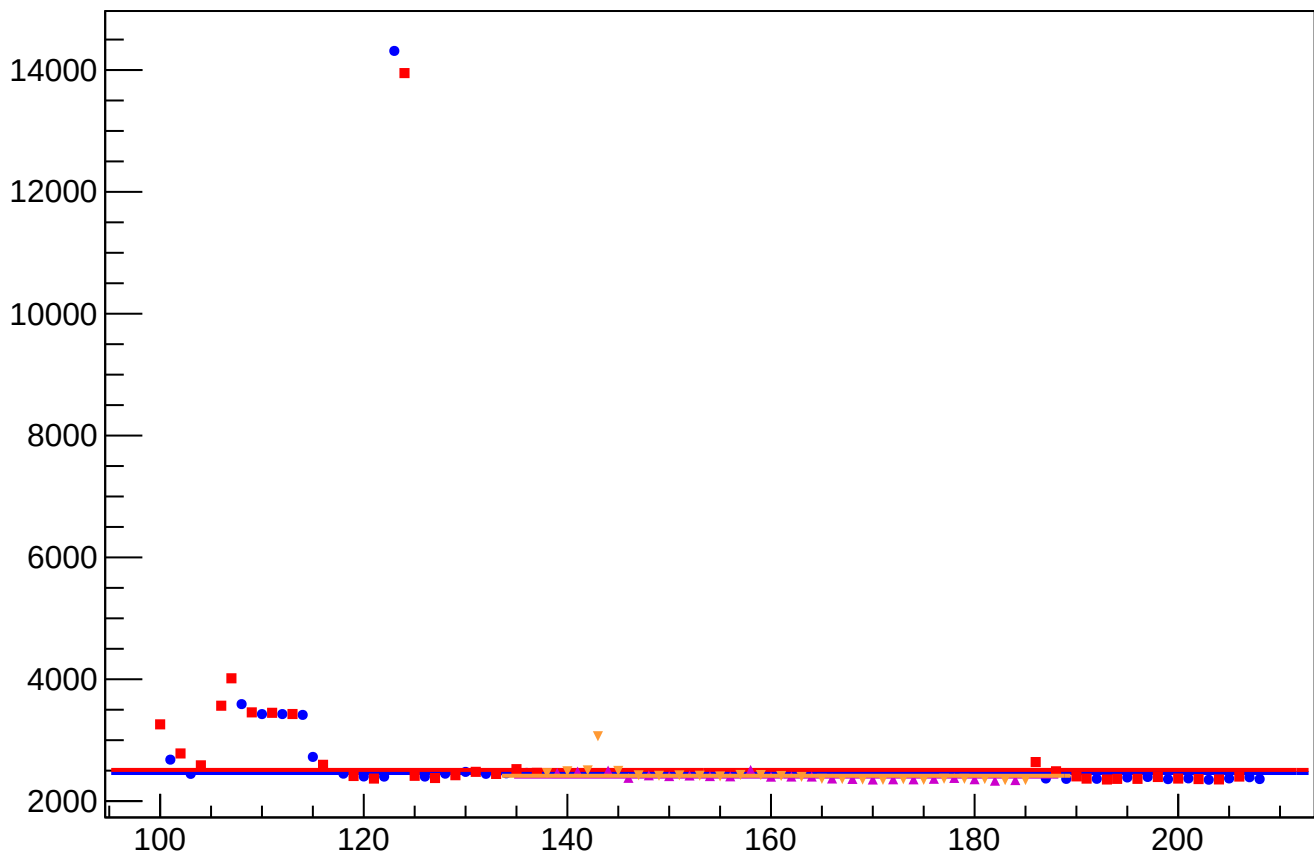
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF:24.1/22

+ sign 1422.989 $\pm$ 427.026 χ^2 /NDF: 45.5/52

All: -17.970 $\pm$ 303.683 χ^2 /NDF: 125.7/106

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

reg_asym_atl1_rms vs Slug



Right In: 2461.225+/-0.462 χ^2/NDF : 306227.8/27

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

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

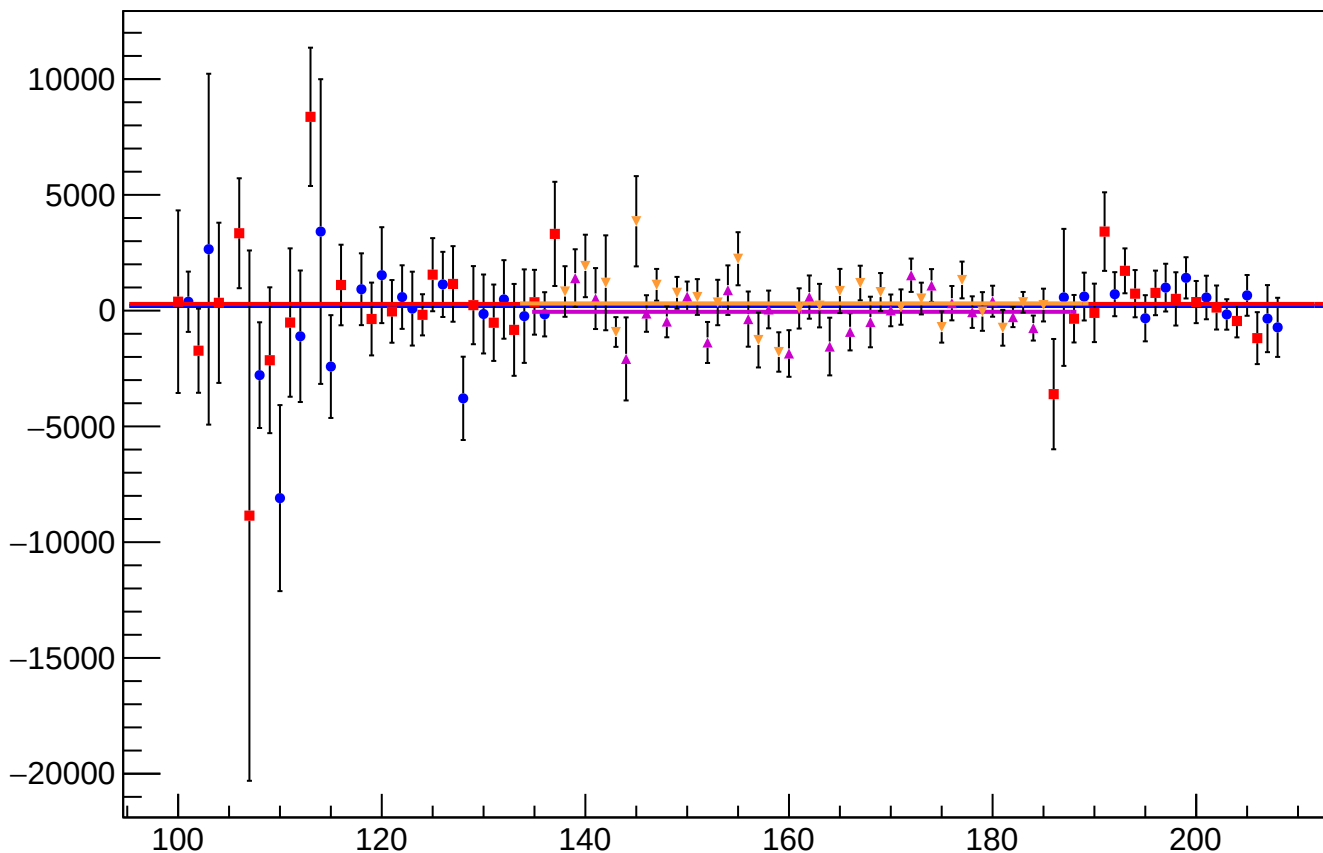
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2435.311+/-0.302 χ^2/NDF : 394347.0/52

All: 2442.475+/-0.215 χ^2/NDF : 1073598.7/10

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

asym_atl1_correction_mean vs Slug



Right In: 200.549 $\pm$ 243.845 χ^2 /NDF: 18.9/27

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

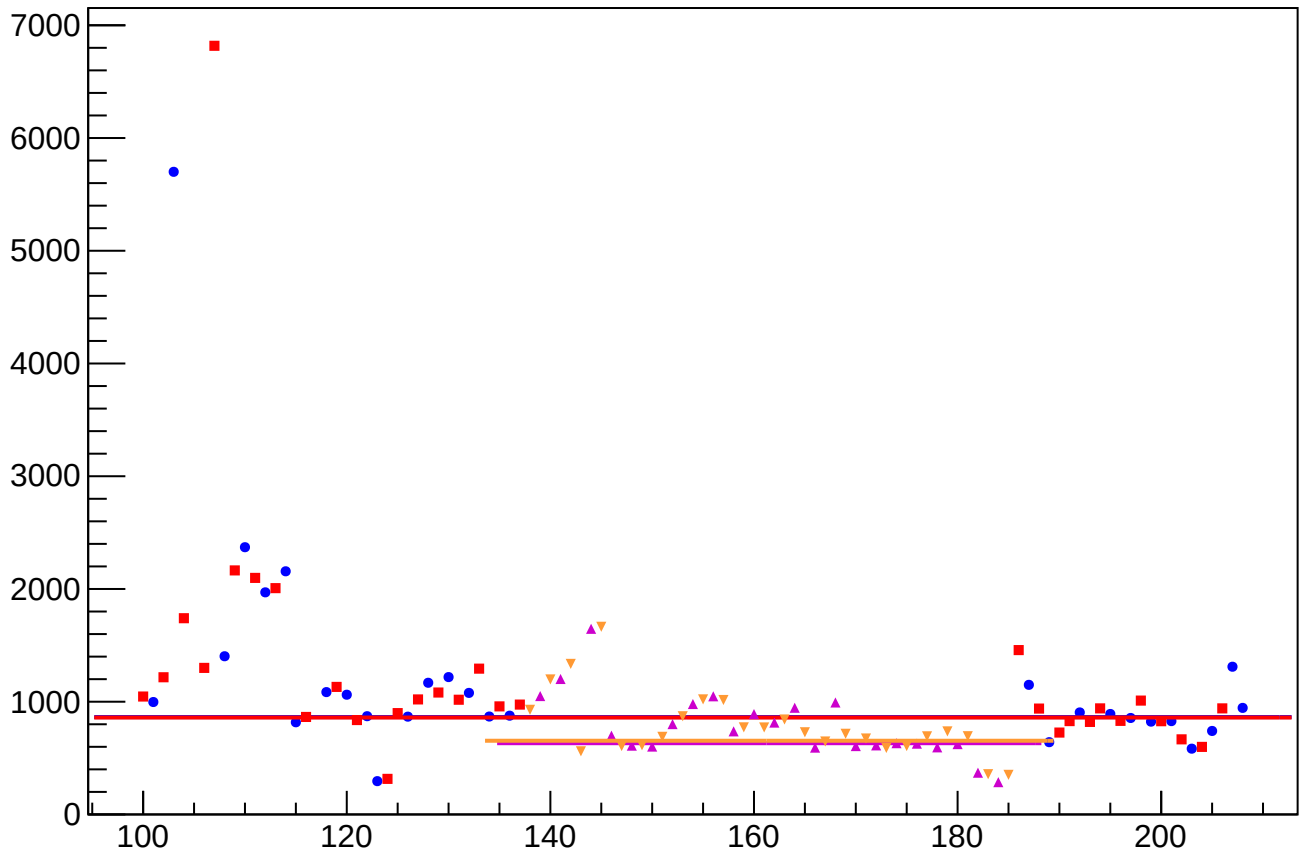
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF:23.8/22

+ sign 277.481 $\pm$ 134.153 χ^2 /NDF: 48.7/52

All: 165.910 $\pm$ 95.000 χ^2 /NDF: 102.9/106

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

asym_atl1_correction_rms vs Slug



Right In: 863.665 $\pm$ 0.172 χ^2 /NDF: 2823910.2/27

Left Out: 653.803 $\pm$ 0.114 χ^2 /NDF: 3254694.4/24

Right Out: 859.752 $\pm$ 0.171 χ^2 /NDF: 3331877.4/30

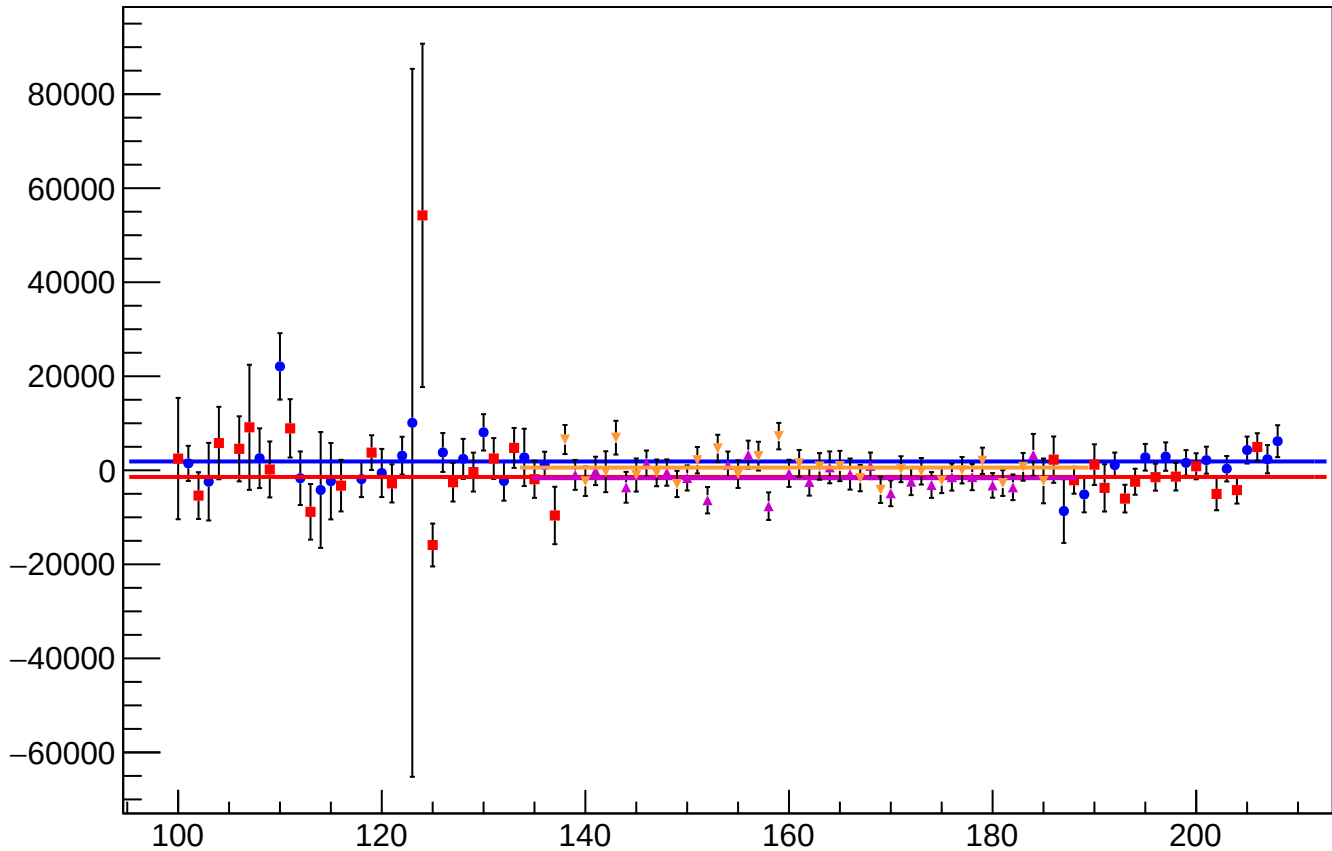
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 717.322 $\pm$ 0.095 χ^2 /NDF: 7111630.1/52

All: 709.775 $\pm$ 0.067 χ^2 /NDF: 15619858.8/10

- sign 702.184 $\pm$ 0.095 χ^2 /NDF: 8495532.5/53

asym_atl1_mean vs Slug



Right In: 1881.426 ± 722.523 χ^2/NDF : 23.3/27

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

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

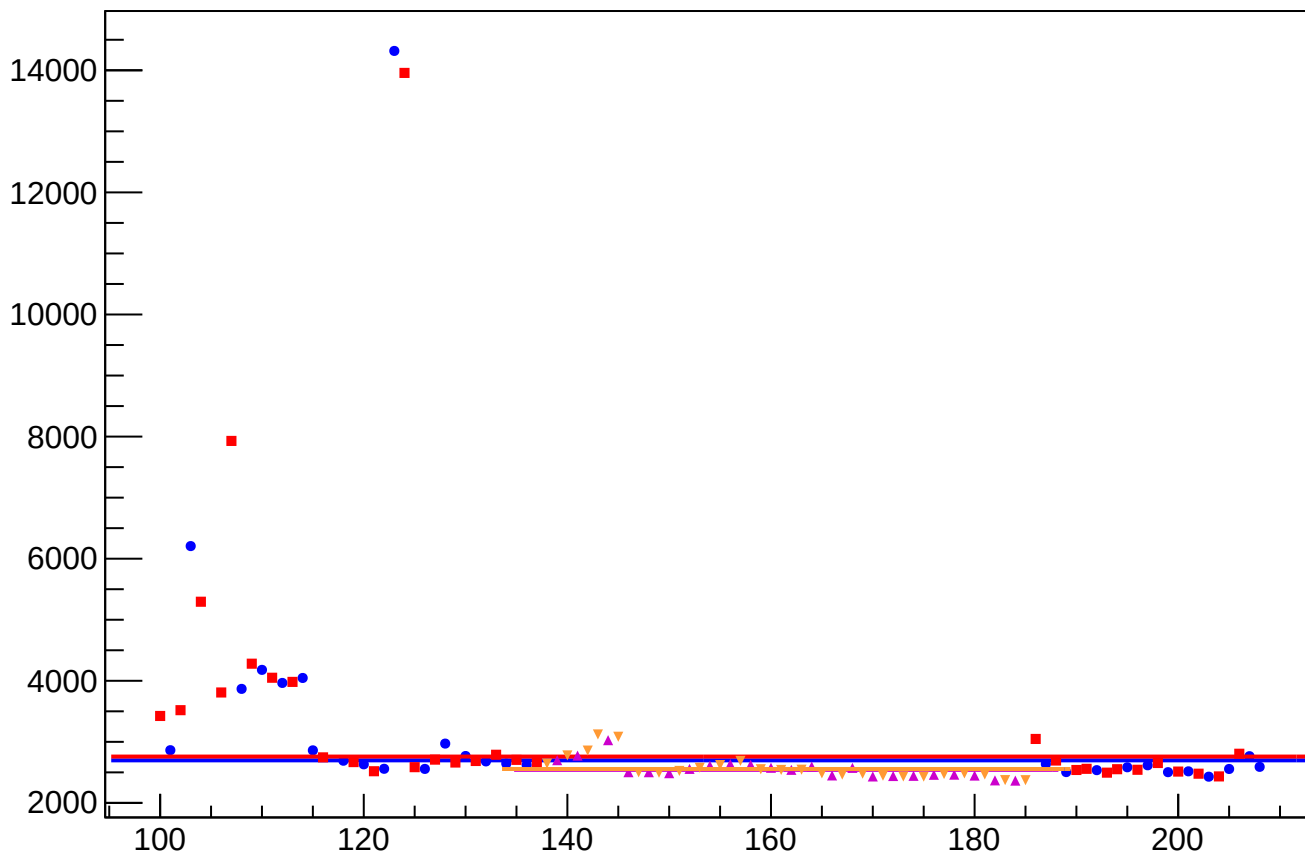
Left In: -1679.572 ± 610.111 χ^2/NDF : 18.2/22

+ sign 1108.727 ± 460.302 χ^2/NDF : 50.6/52

All: -211.343 ± 327.875 χ^2/NDF : 123.6/106

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

asym_atl1_rms vs Slug



Right In: 2696.839+/-0.511 χ^2/NDF : 771380.6/27

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

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

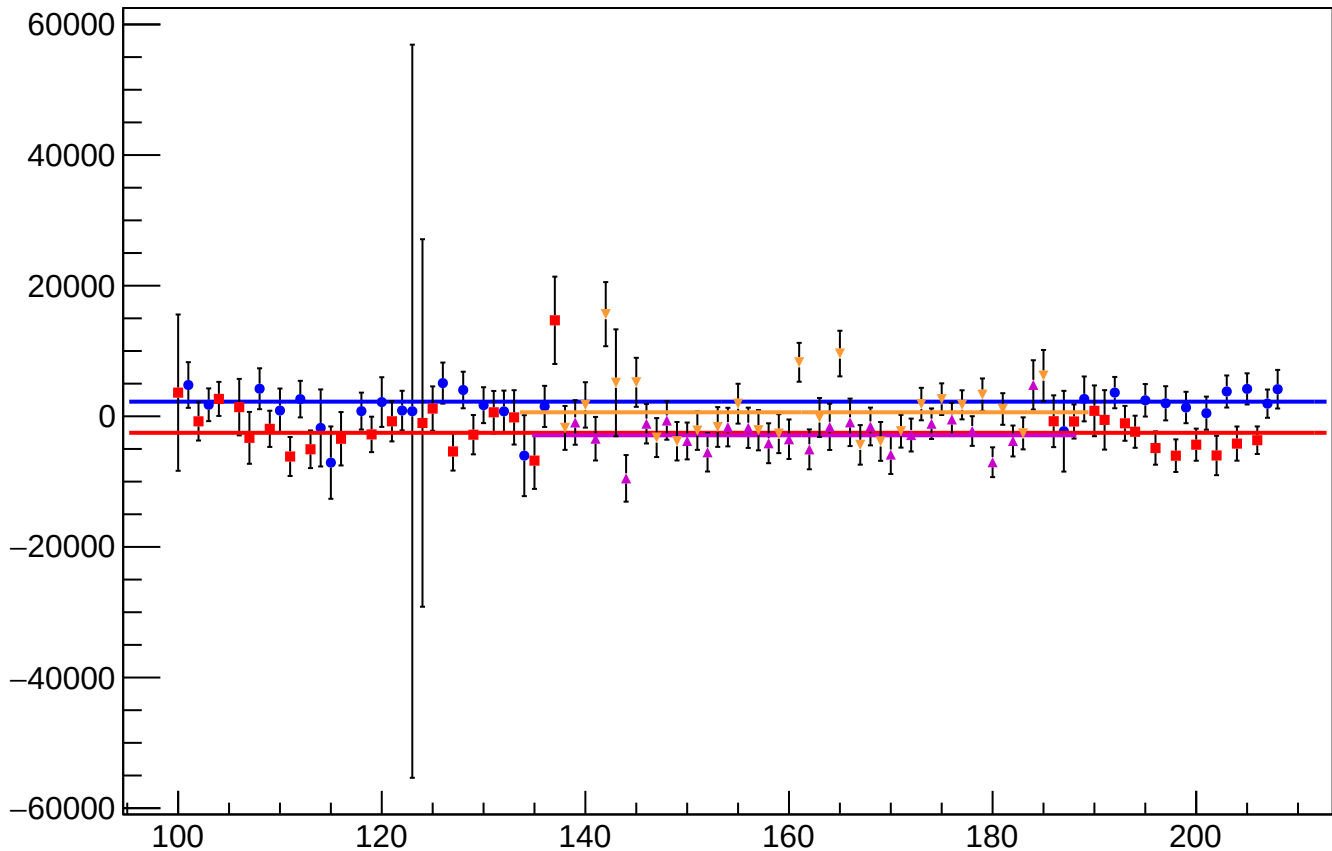
Left In: 2540.988+/-0.431 χ^2/NDF : 94756.7/22

+ sign 2612.733+/-0.325 χ^2/NDF : 971737.6/52

All: 2621.811+/-0.232 χ^2/NDF : 2407888.8/10

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

reg_asym_atl2_mean vs Slug



Right In: 2242.489 ± 567.766 χ^2/NDF : 11.3/27

Left Out: 614.867 ± 591.148 χ^2/NDF : 45.2/24

Right Out: -2526.411 ± 560.540 χ^2/NDF : 26.4/30

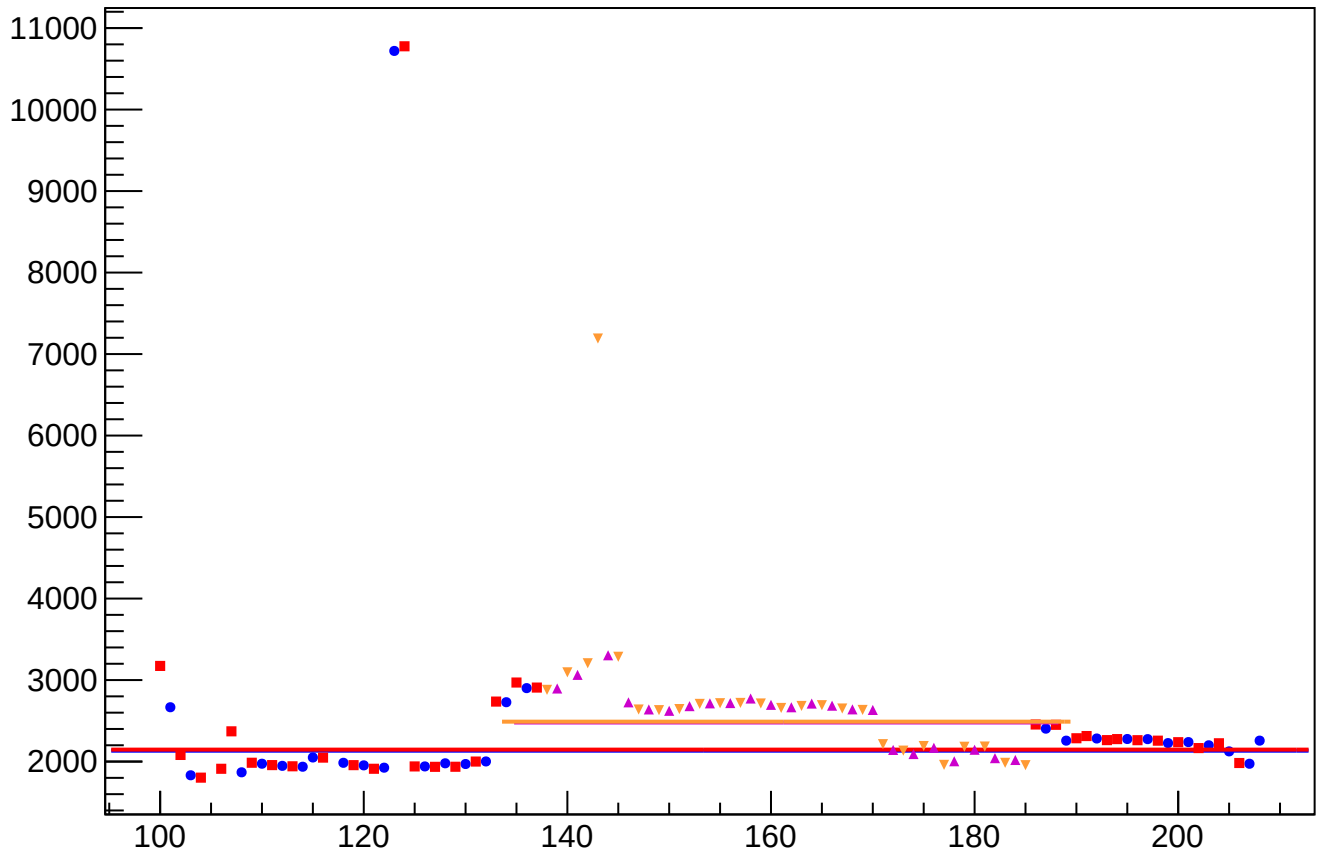
Left In: -2909.108 ± 599.673 χ^2/NDF : 17.4/22

+ sign 1461.502 ± 409.488 χ^2/NDF : 60.4/52

All: -621.632 ± 289.555 χ^2/NDF : 156.1/106

- sign -2704.866 ± 409.498 χ^2/NDF : 44.0/53

reg_asym_atl2_rms vs Slug



Right In: 2133.262 $\pm$ 0.401 χ^2 /NDF: 382713.1/27

Left Out: 2489.577 $\pm$ 0.418 χ^2 /NDF: 1364203.3/24

Right Out: 2146.520 $\pm$ 0.396 χ^2 /NDF: 547033.7/30

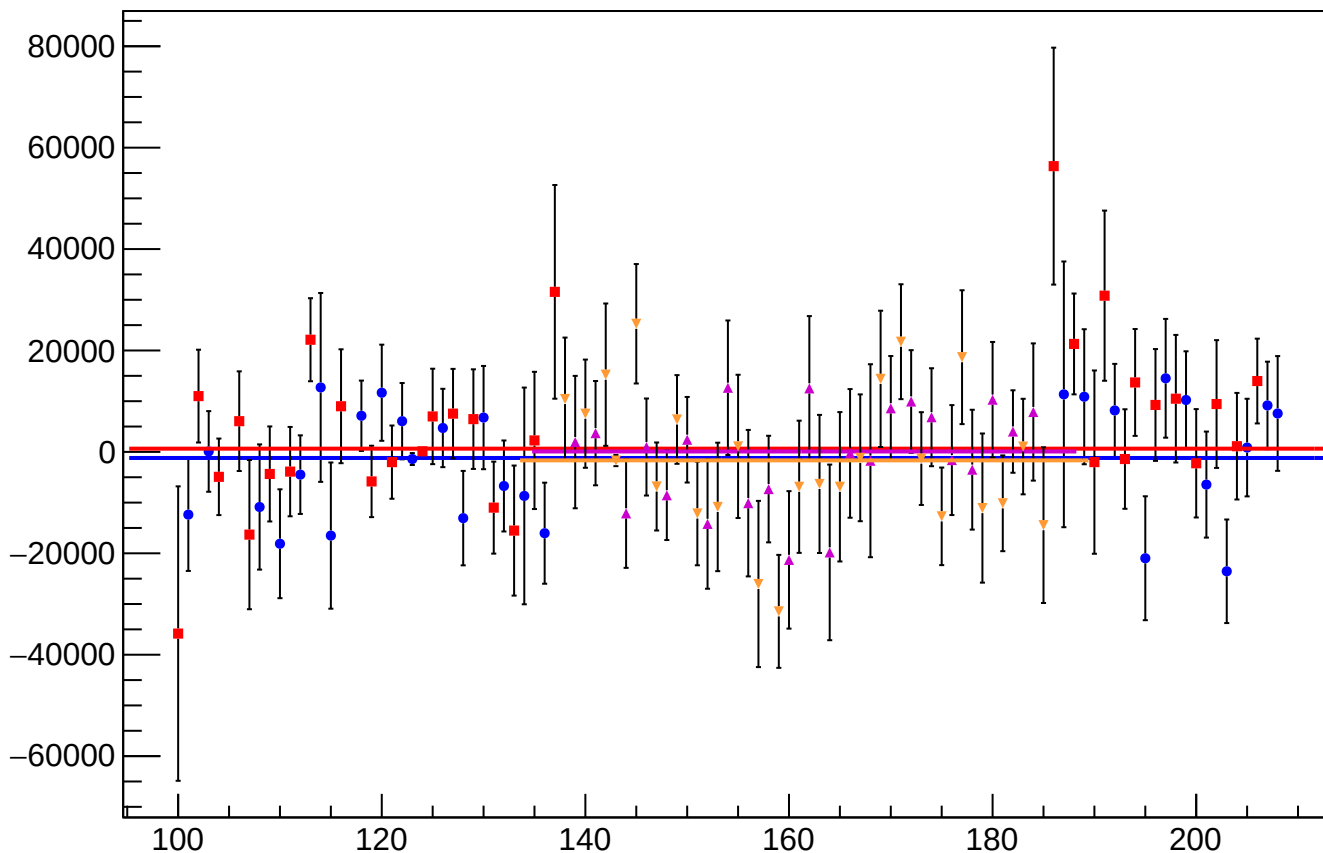
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF: 668398.2/22

+ sign 2304.233 $\pm$ 0.290 χ^2 /NDF: 2124879.2/52

All: 2302.977 $\pm$ 0.205 χ^2 /NDF: 3669149.2/10

- sign 2301.720 $\pm$ 0.290 χ^2 /NDF: 1544232.4/53

asym_atl2_correction_mean vs Slug



Right In: -1198.134 ± 1003.217 χ^2/NDF : 30.8/27

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

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

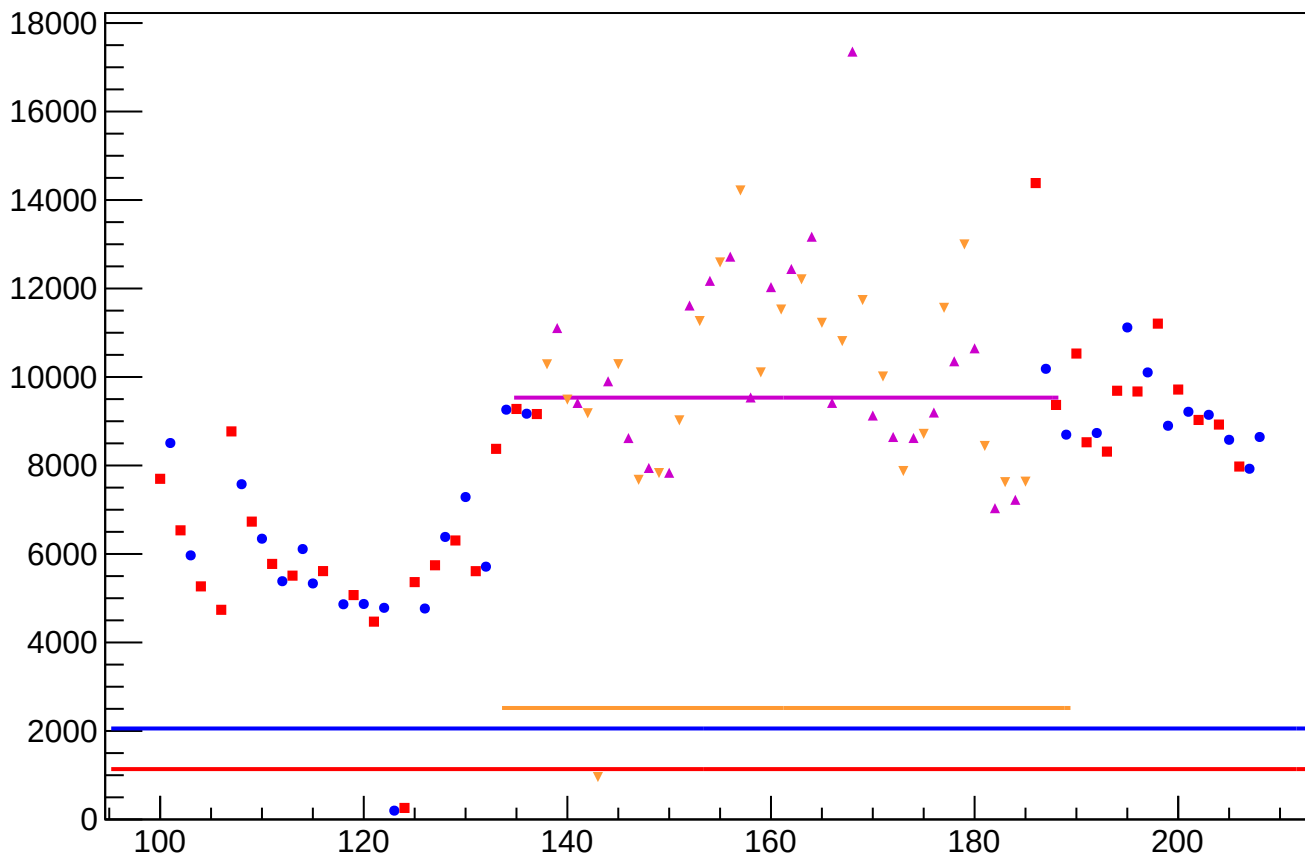
Left In: 80.274 ± 2331.531 χ^2/NDF : 13.8/22

+ sign -1434.153 ± 705.763 χ^2/NDF : 63.3/52

All: -341.677 ± 479.421 χ^2/NDF : 122.1/106

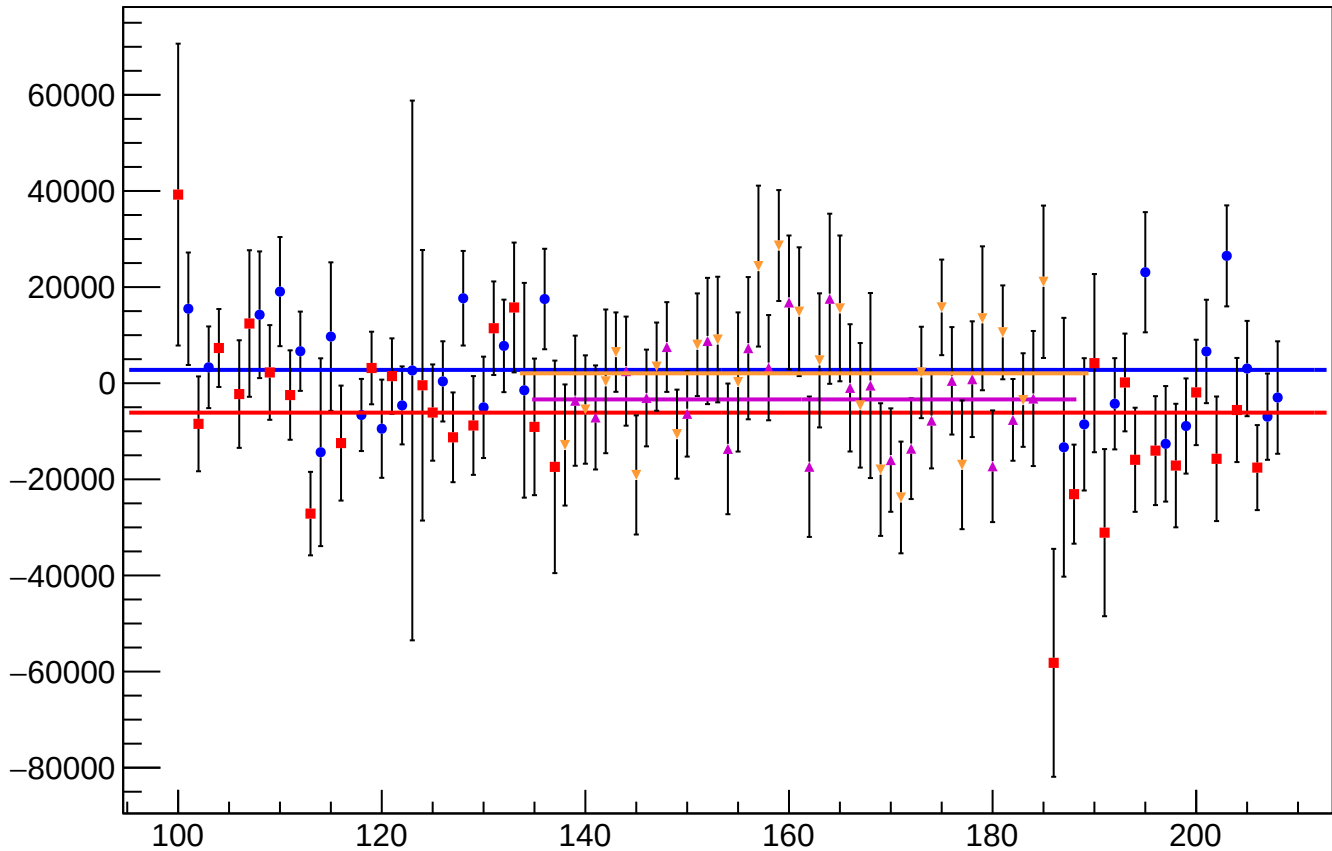
- sign 594.360 ± 653.280 χ^2/NDF : 54.3/53

asym_atl2_correction_rms vs Slug



Right In: 2056.044+/-0.709	χ^2/NDF : 20217552.9/27	+ sign 2290.059+/-0.499	χ^2/NDF : 44075127.4/52
Left Out: 2519.359+/-0.702	χ^2/NDF : 23642118.3/24	All: 2024.636+/-0.339	χ^2/NDF : 94066958.9/1
Right Out: 1138.105+/-0.481	χ^2/NDF : 24253815.1/30	- sign 1797.220+/-0.462	χ^2/NDF : 49466593.5/53
Left In: 9533.563+/-1.649	χ^2/NDF : 1316640.0/22		

asym_atl2_mean vs Slug



Right In: 2772.444 $\pm$ 2026.660 χ^2 /NDF: 28.1/27

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

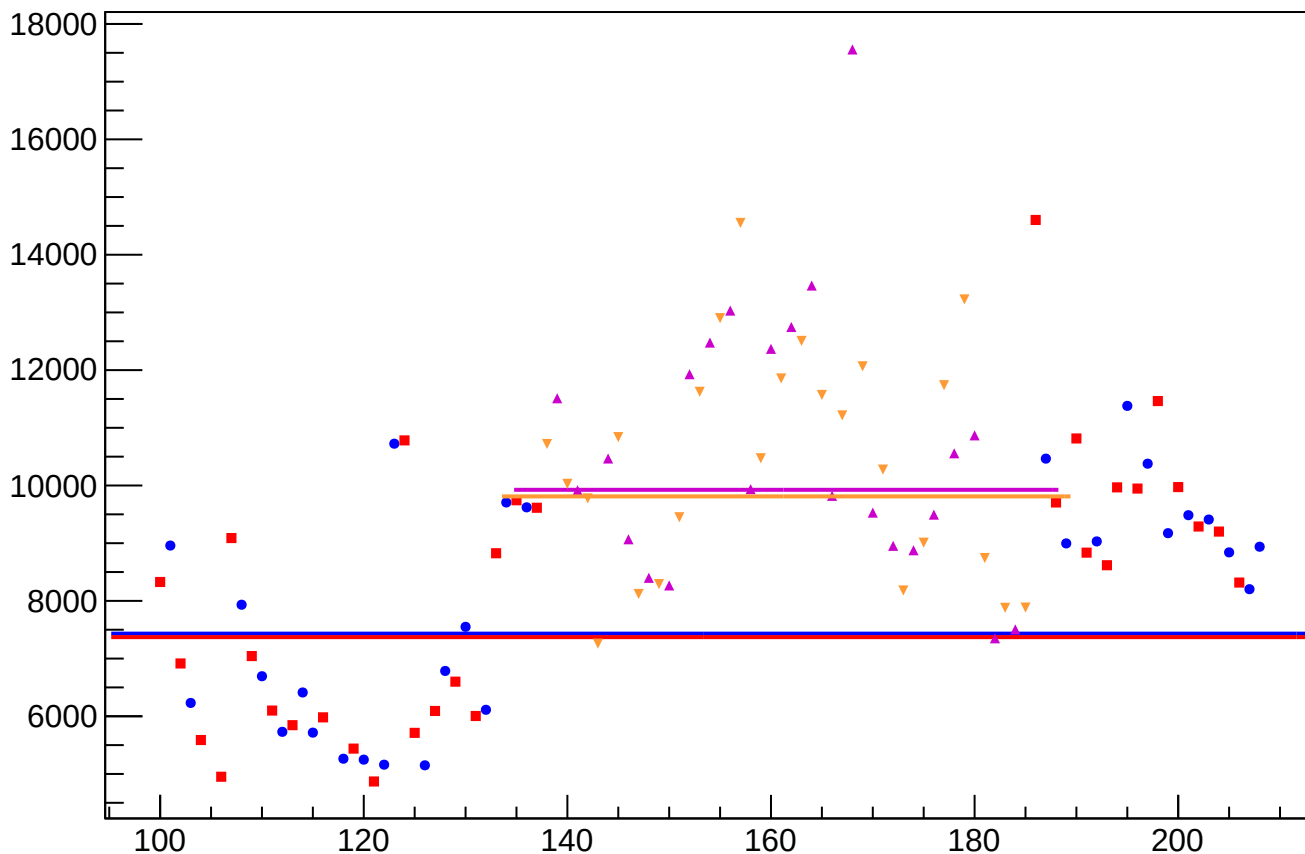
Left In: -3371.931 $\pm$ 2423.242 χ^2 /NDF:13.1/22

+ sign 2464.370 $\pm$ 1530.129 χ^2 /NDF: 58.9/52

All: -1269.489 $\pm$ 1083.256 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: 7432.309+/-1.433 χ^2/NDF : 1648239.6/27

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

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

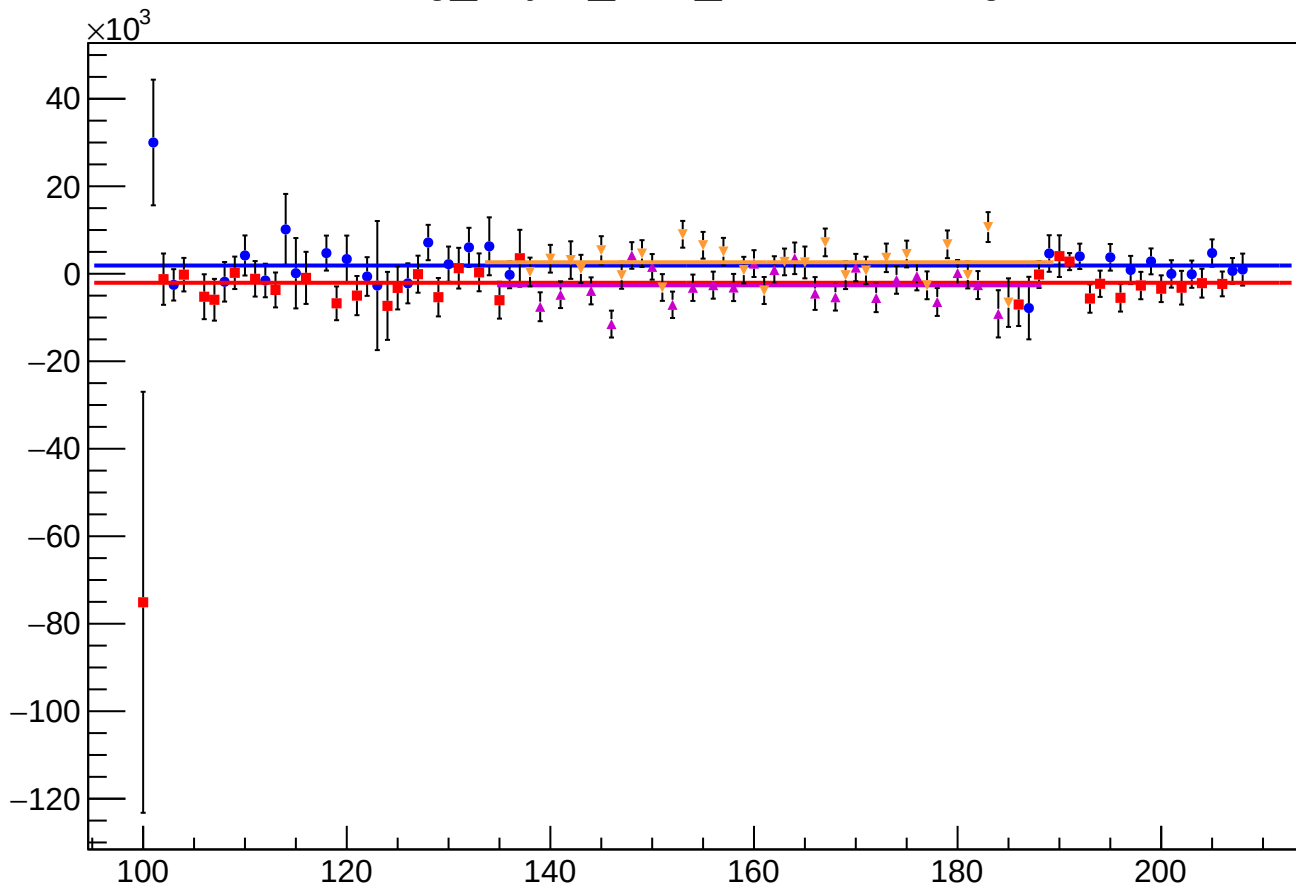
Left In: 9925.337+/-1.713 χ^2/NDF :1211554.7/22

+ sign 8455.074+/-1.082 χ^2/NDF : 4046793.6/52

All: 8424.834+/-0.766 χ^2/NDF : 8606148.6/10

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

reg_asym_atr1_mean vs Slug



Right In: 1884.667 $\pm$ 746.845 χ^2 /NDF: 18.7/27

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

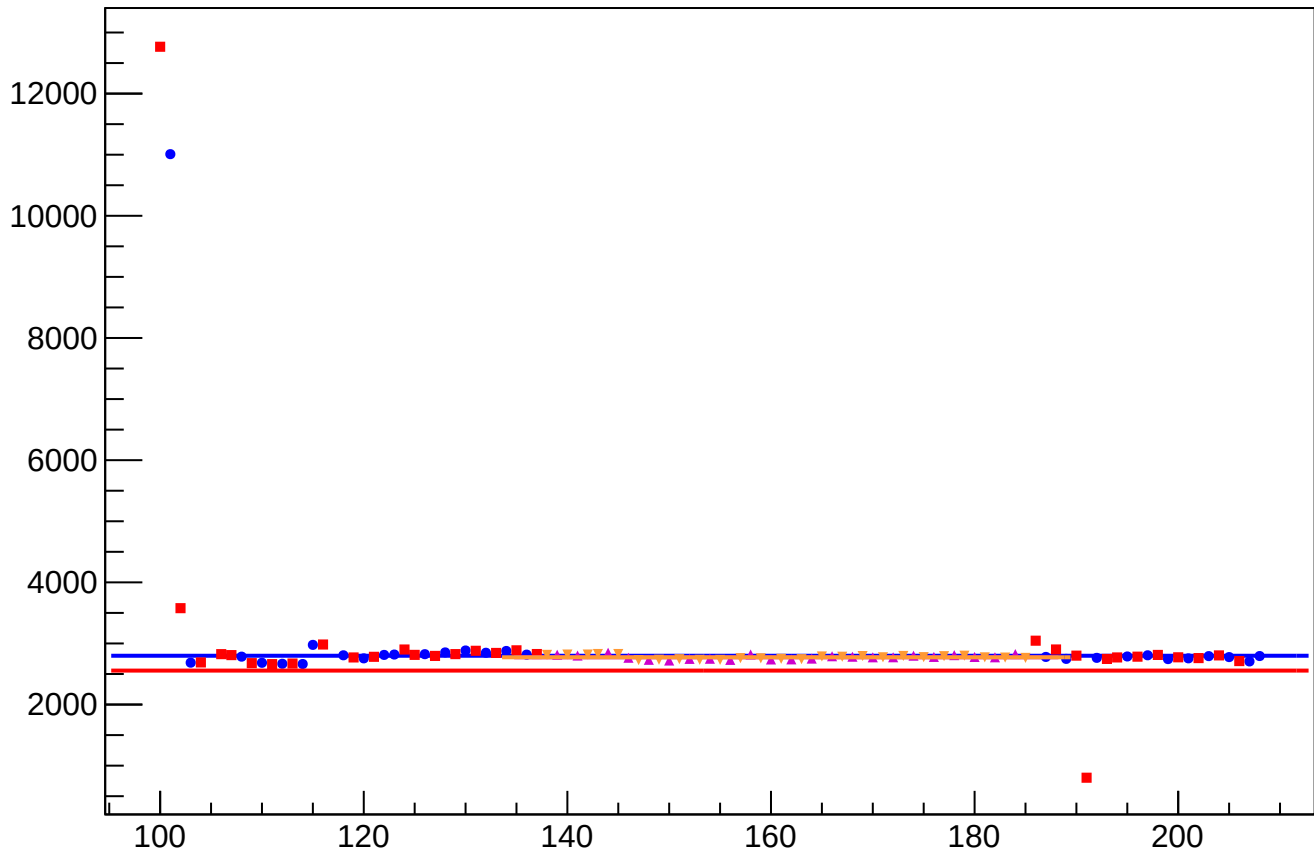
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF: 35.2/22

+ sign 2314.284 $\pm$ 488.637 χ^2 /NDF: 54.3/52

All: -75.504 $\pm$ 341.536 χ^2 /NDF: 158.5/106

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

reg_asym_atr1_rms vs Slug



Right In: 2798.804+/-0.528 χ^2/NDF : 666609.2/27

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

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

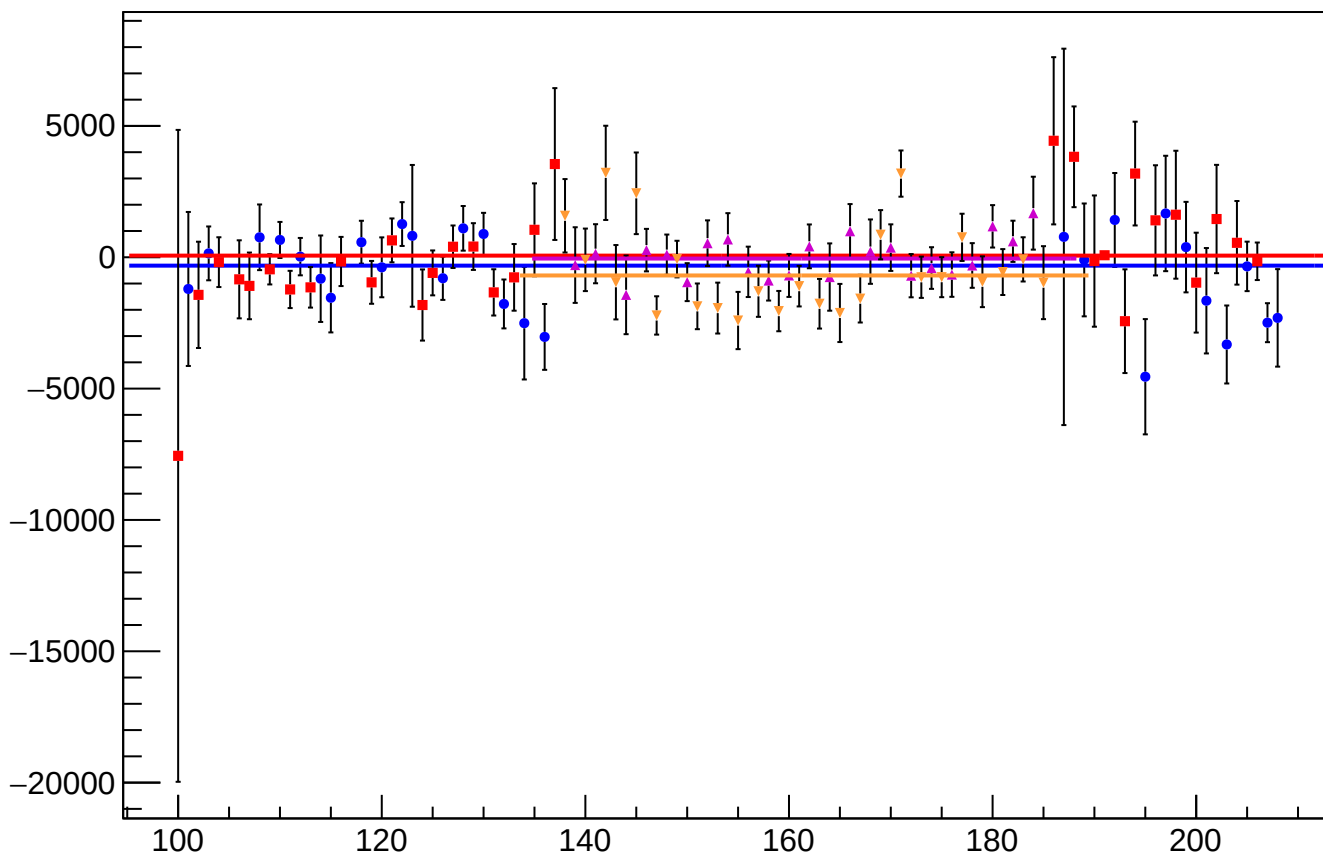
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2784.454+/-0.346 χ^2/NDF : 672516.7/52

All: 2725.171+/-0.242 χ^2/NDF : 2833272.2/10

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

asym_atr1_correction_mean vs Slug



Right In: -319.011 ± 212.003 χ^2/NDF : 42.7/27

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

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

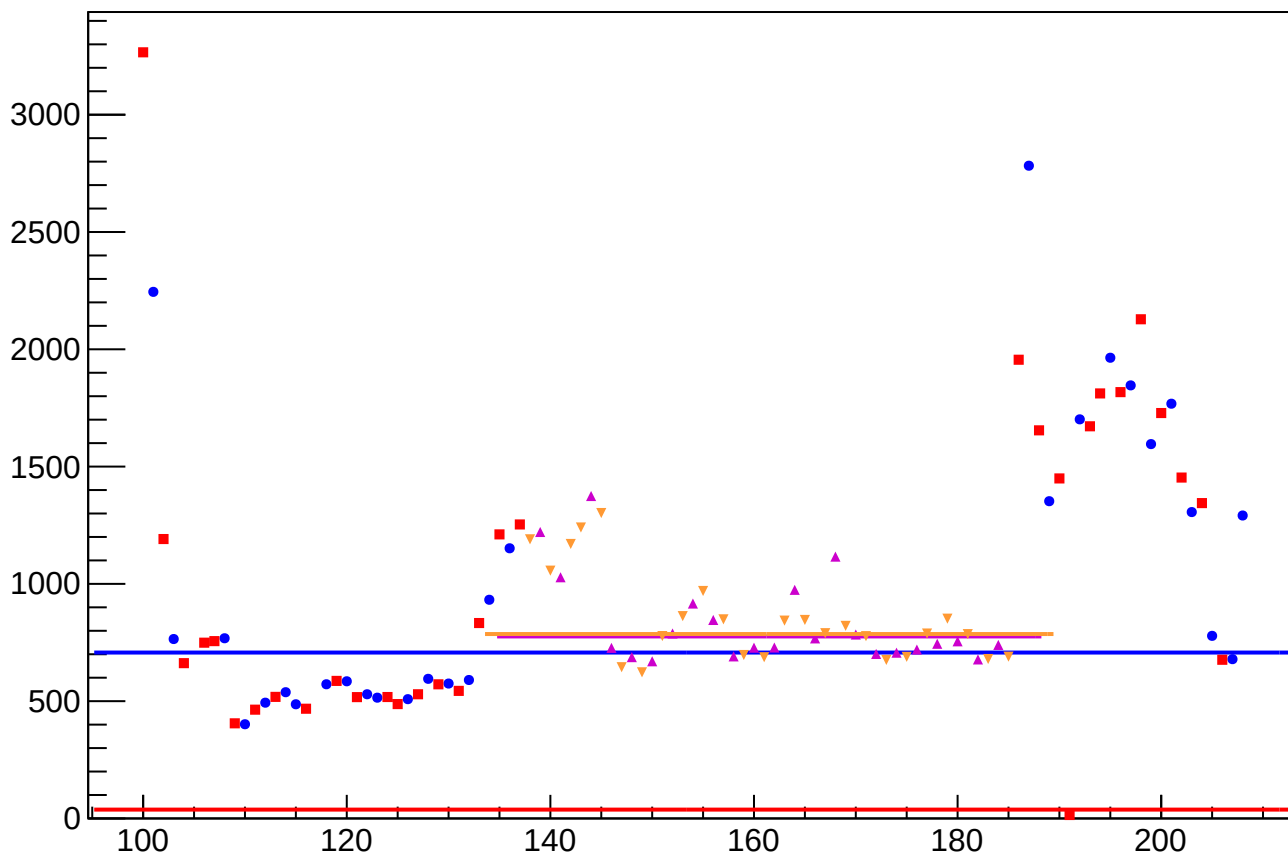
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -528.949 ± 140.365 χ^2/NDF : 100.5/52

All: 20.001 ± 35.858 χ^2/NDF : 161.0/106

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

asym_atr1_correction_rms vs Slug



Right In: 707.254+/-0.150 χ^2/NDF : 5695025.0/27

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

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

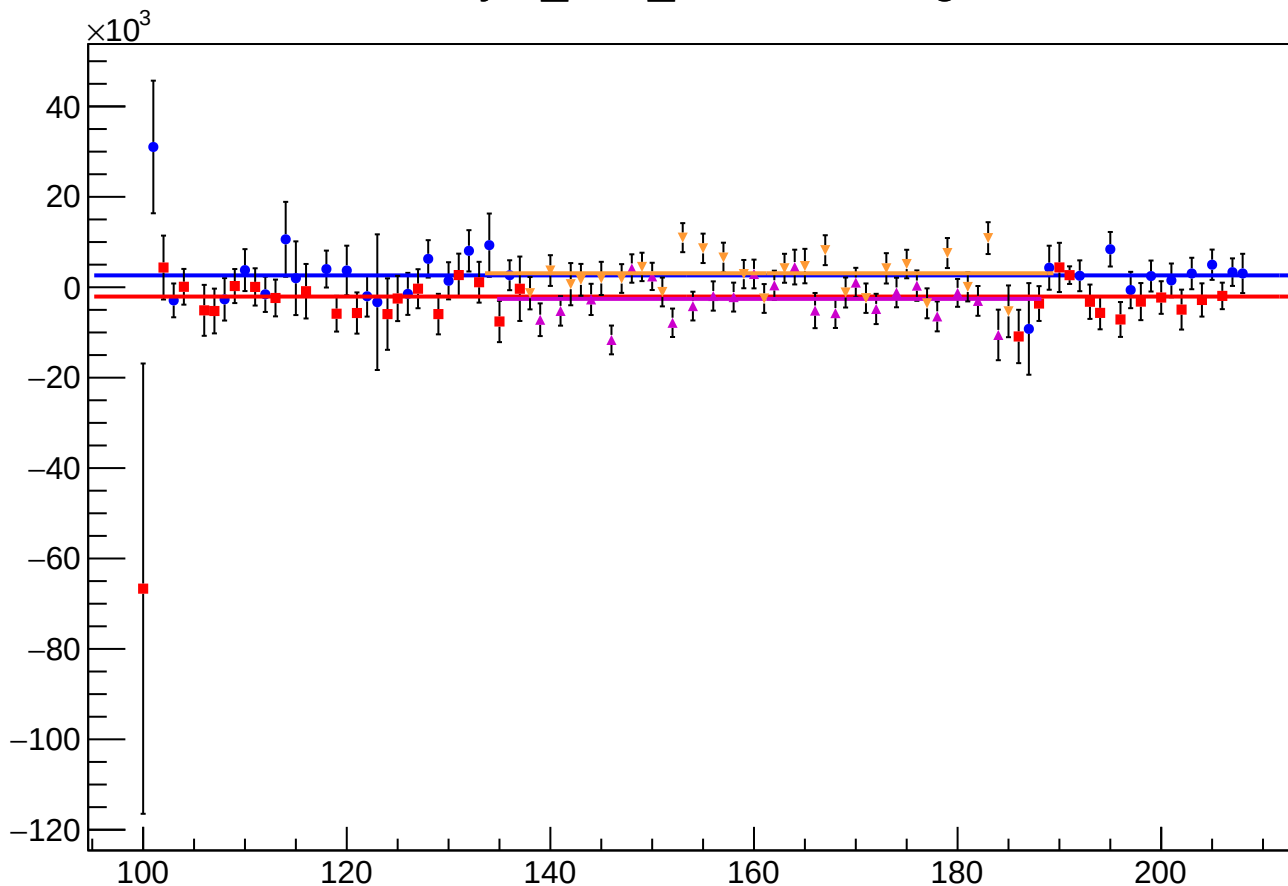
Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

+ sign 751.578+/-0.099 χ^2/NDF : 7100218.2/52

All: 110.839+/-0.025 χ^2/NDF : 108892738.6/3

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

asym_atr1_mean vs Slug



Right In: 2625.656 $\pm$ 818.759 χ^2 /NDF: 19.8/27

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

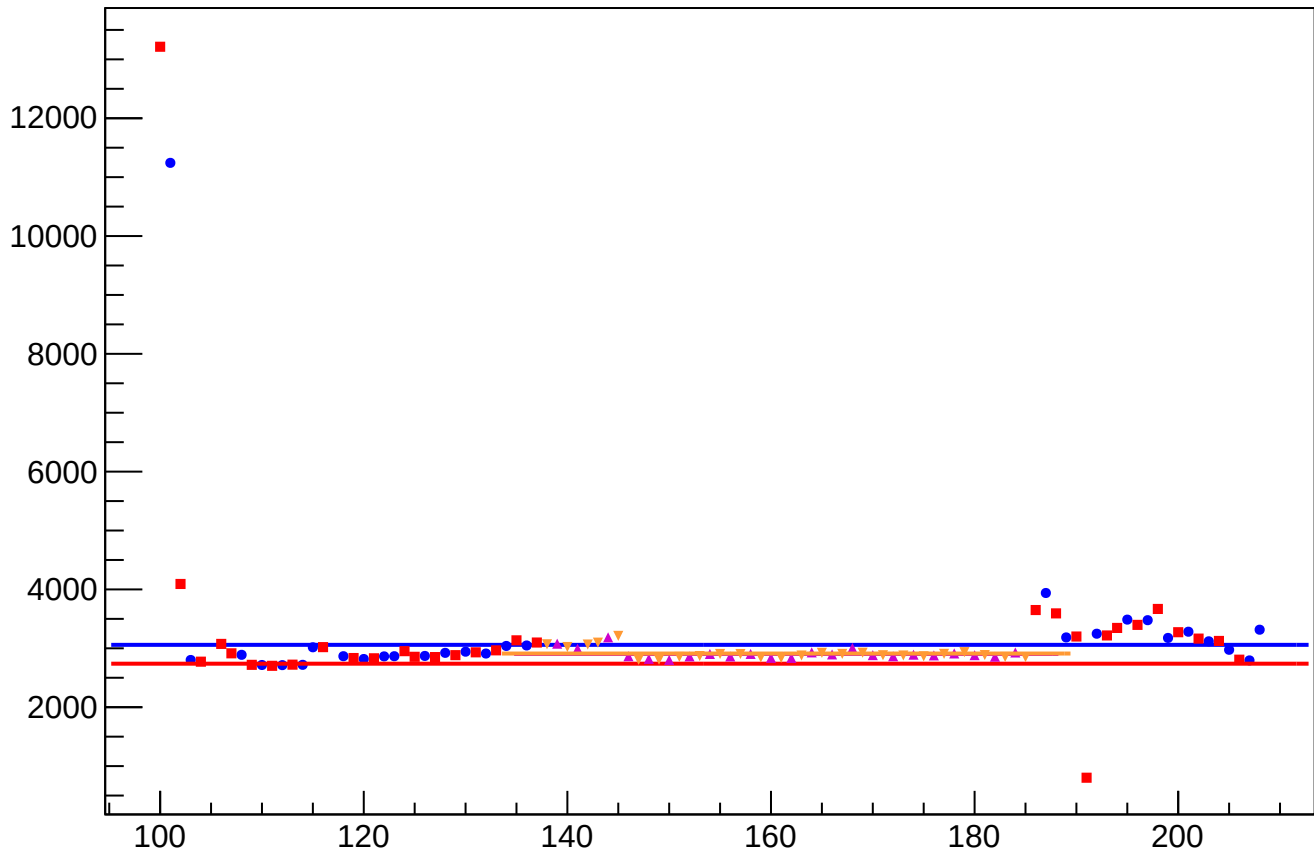
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2903.806 $\pm$ 522.433 χ^2 /NDF: 58.6/52

All: 218.049 $\pm$ 364.662 χ^2 /NDF: 169.1/106

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

asym_atr1_rms vs Slug



Right In: 3058.831+/-0.579 χ^2/NDF : 789122.1/27

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

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

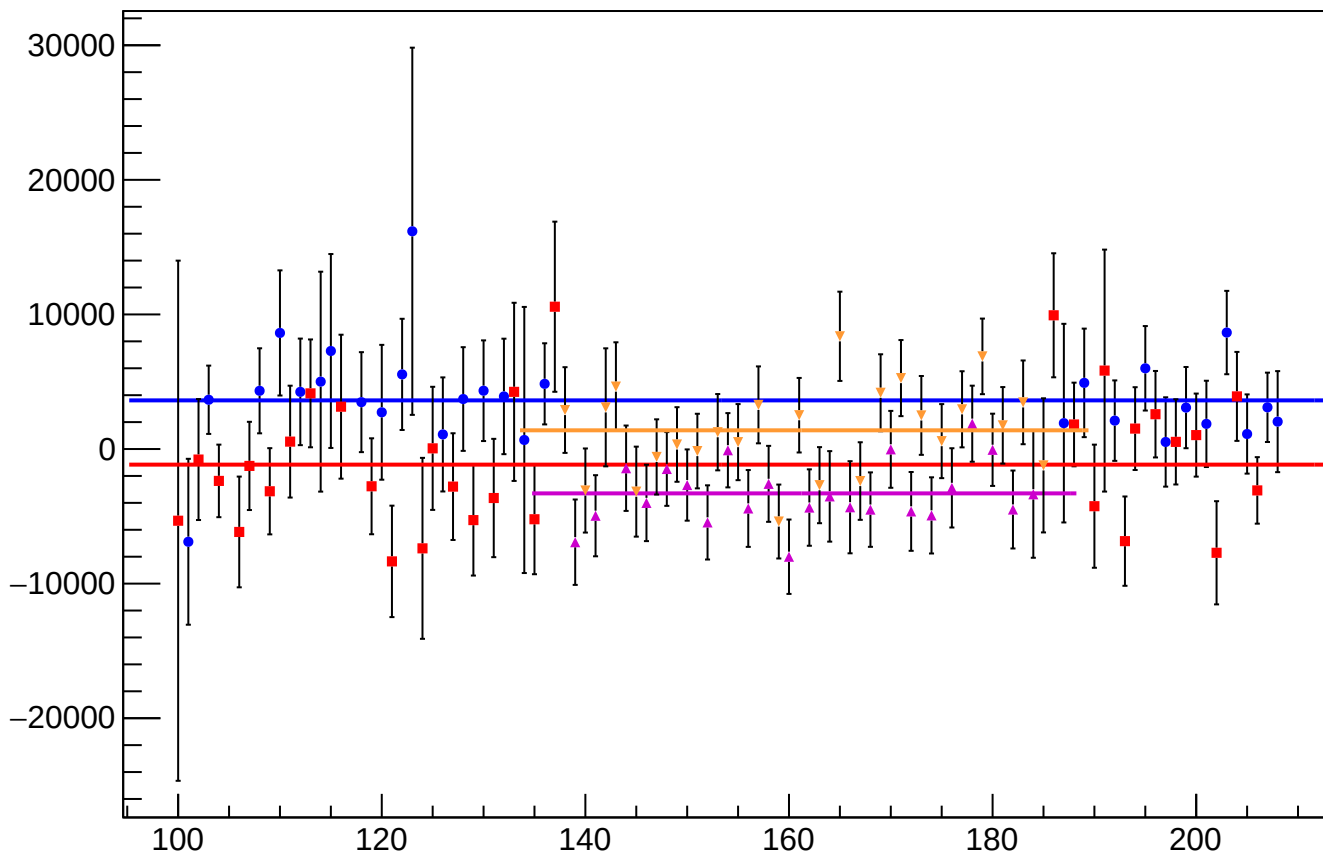
Left In: 2903.411+/-0.492 χ^2/NDF :28838.5/22

+ sign 2971.322+/-0.369 χ^2/NDF : 864302.6/52

All: 2897.320+/-0.258 χ^2/NDF : 3705344.5/10

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

reg_asym_atr2_mean vs Slug



Right In: 3614.405 $\pm$ 706.346 χ^2 /NDF: 12.0/27

Left Out: 1390.275 $\pm$ 596.516 χ^2 /NDF: 29.2/24

Right Out: -1159.311 $\pm$ 687.409 χ^2 /NDF: 34.9/30

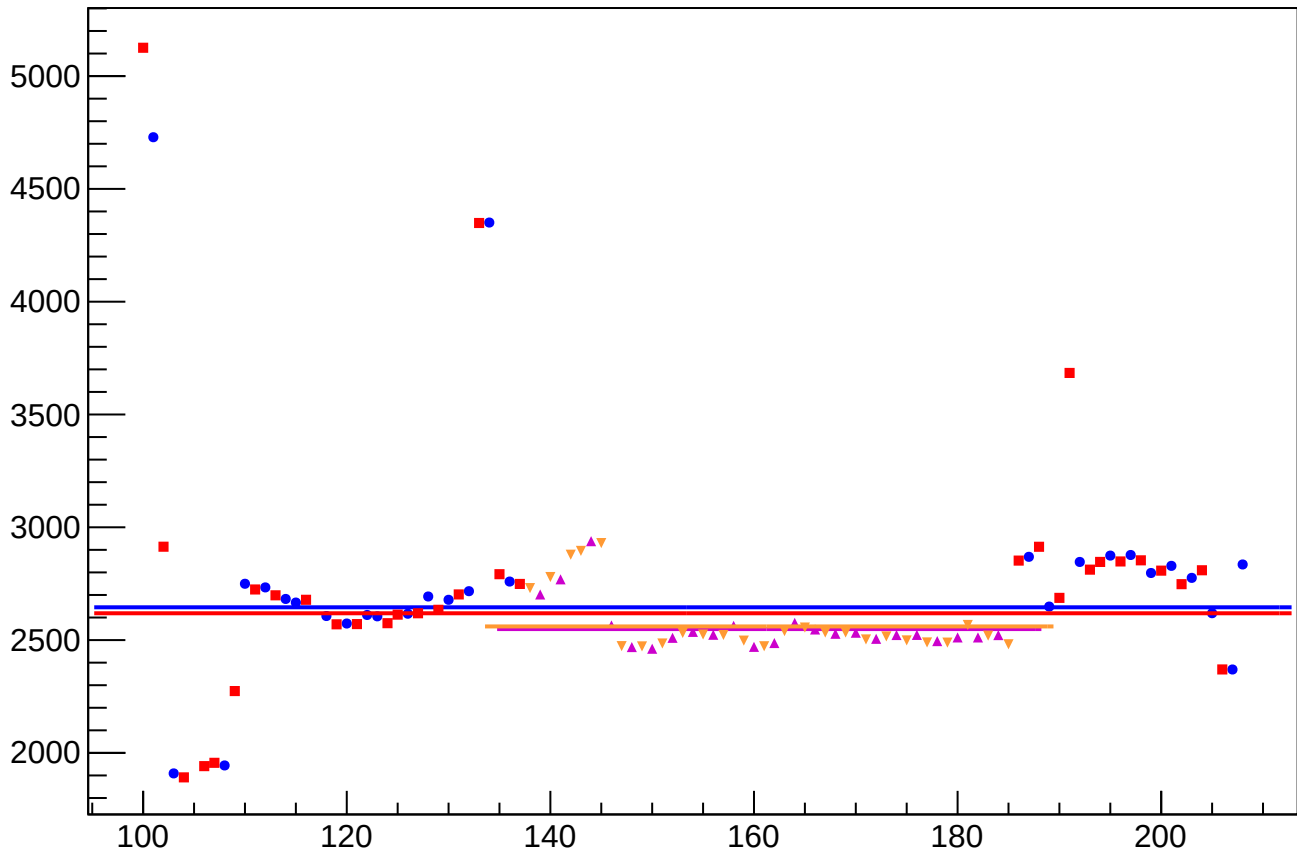
Left In: -3295.367 $\pm$ 609.991 χ^2 /NDF: 14.9/22

+ sign 2316.172 $\pm$ 455.742 χ^2 /NDF: 46.9/52

All: -16.456 $\pm$ 322.439 χ^2 /NDF: 154.5/106

- sign -2354.348 $\pm$ 456.255 χ^2 /NDF: 55.2/53

reg_asym_atr2_rms vs Slug



Right In: 2645.350+/-0.499 χ^2/NDF : 636497.6/27

Left Out: 2560.531+/-0.422 χ^2/NDF : 86771.4/24

Right Out: 2618.874+/-0.486 χ^2/NDF : 619514.2/30

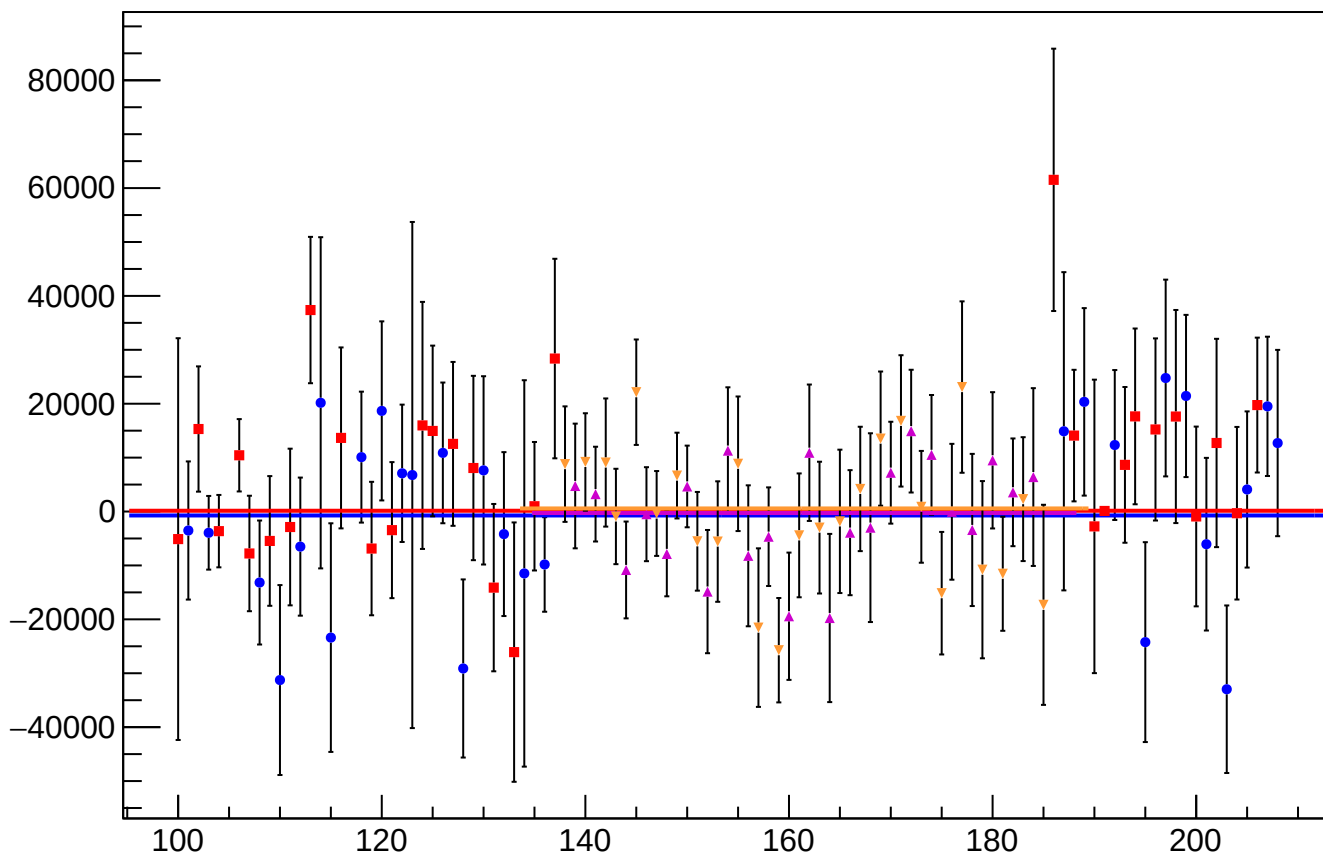
Left In: 2548.870+/-0.431 χ^2/NDF : 55266.2/22

+ sign 2595.841+/-0.322 χ^2/NDF : 740102.5/52

All: 2587.784+/-0.228 χ^2/NDF : 1427738.6/10

- sign 2579.709+/-0.323 χ^2/NDF : 686384.5/53

asym_atr2_correction_mean vs Slug



Right In: -731.161 ± 2694.808 $\chi^2/\text{NDF}: 29.9/27$

Left Out: 572.477 ± 2184.376 $\chi^2/\text{NDF}: 28.2/24$

Right Out: 145.766 ± 194.943 $\chi^2/\text{NDF}: 34.0/30$

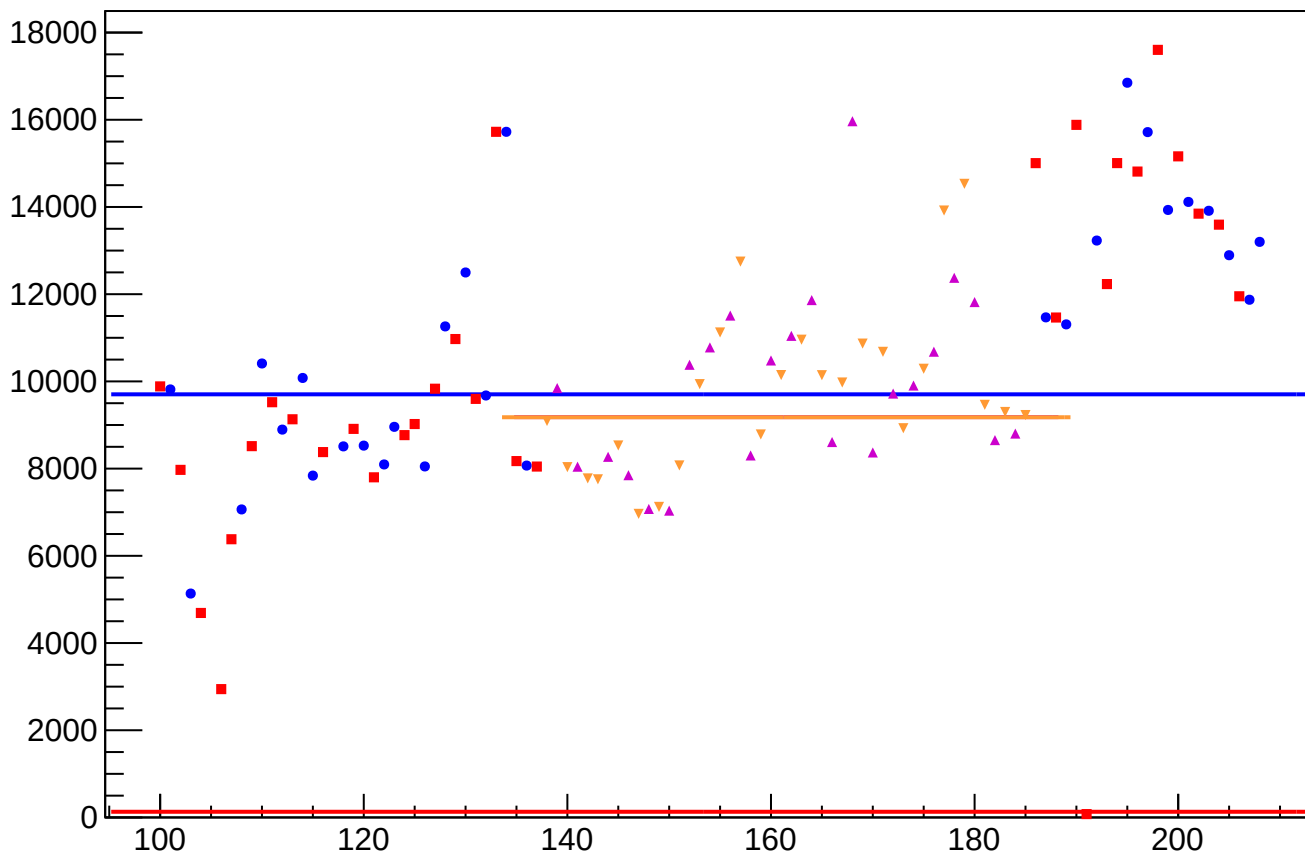
Left In: -275.116 ± 2242.836 $\chi^2/\text{NDF}: 15.7/22$

+ sign 55.561 ± 1696.912 $\chi^2/\text{NDF}: 58.3/52$

All: 141.485 ± 192.951 $\chi^2/\text{NDF}: 108.1/106$

- sign 142.611 ± 194.210 $\chi^2/\text{NDF}: 49.8/53$

asym_atr2_correction_rms vs Slug



Right In: 9703.600+/-1.906

χ^2/NDF : 2673937.3/27

Left Out: 9177.688+/-1.545

χ^2/NDF : 1176195.8/24

Right Out: 130.495+/-0.138

χ^2/NDF : 28579608.8/30

Left In: 9181.254+/-1.586

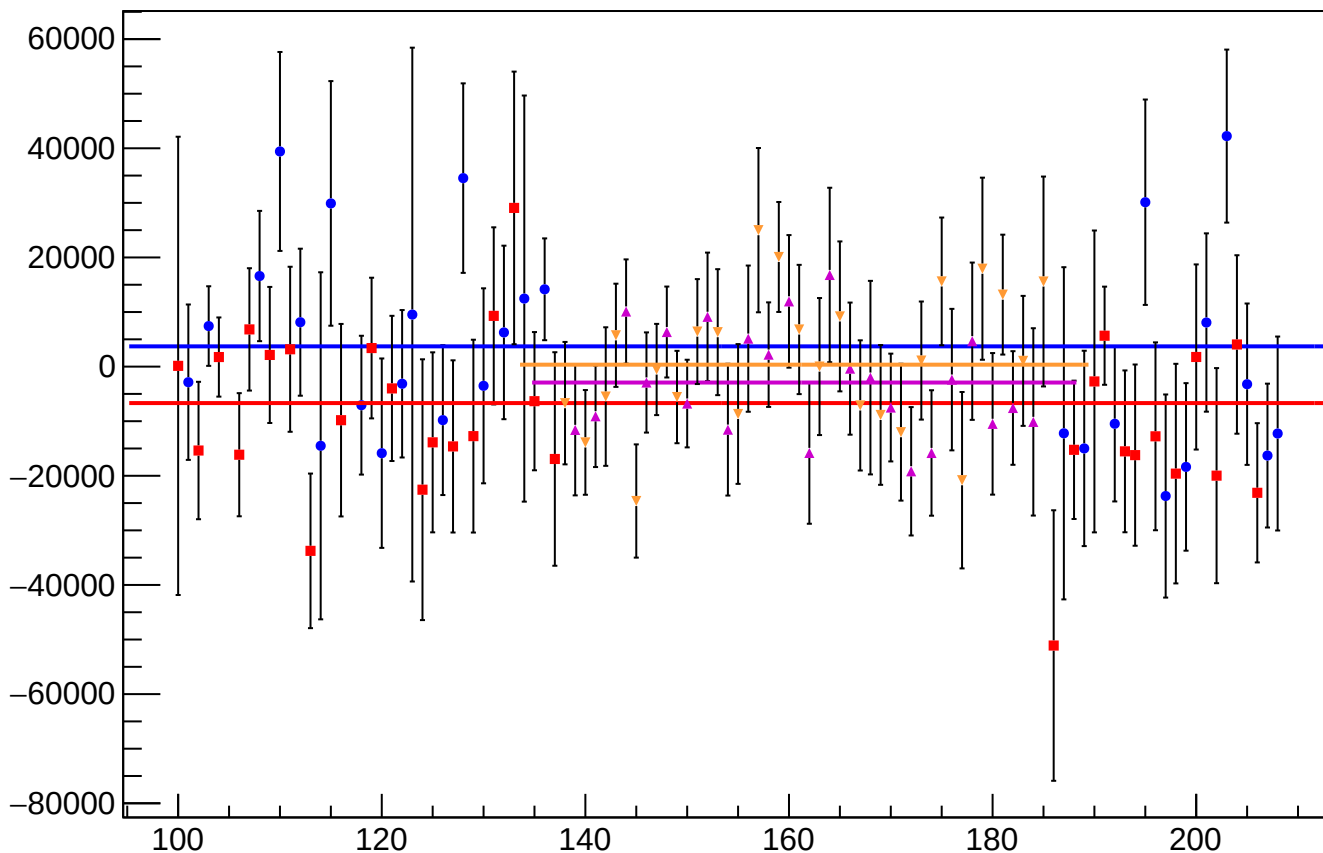
χ^2/NDF : 1236469.7/22

+ sign 9386.222+/-1.200 χ^2/NDF : 3896102.2/52

All: 317.151+/-0.136 χ^2/NDF : 123911672.6/53

- sign 198.358+/-0.137 χ^2/NDF : 62140909.3/53

asym_atr2_mean vs Slug



Right In: 3710.968 $\pm$ 2817.775 χ^2 /NDF: 33.0/27

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

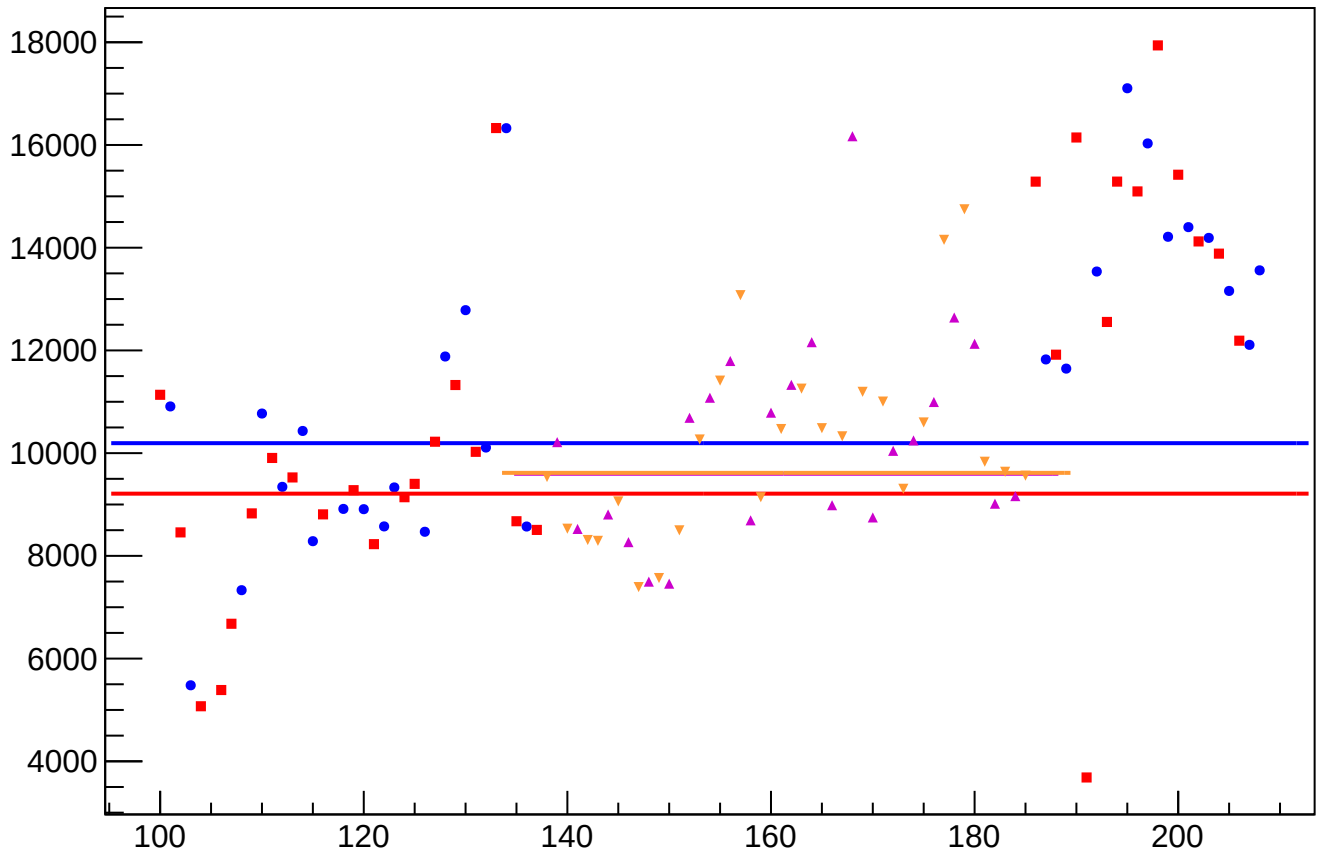
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1684.470 $\pm$ 1773.233 χ^2 /NDF: 60.1/52

All: -1542.511 $\pm$ 1238.725 χ^2 /NDF: 105.9/10

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

asym_atr2_rms vs Slug



Right In: 10194.193 $\pm$ 1.992 χ^2 /NDF: 2435898.9/27

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

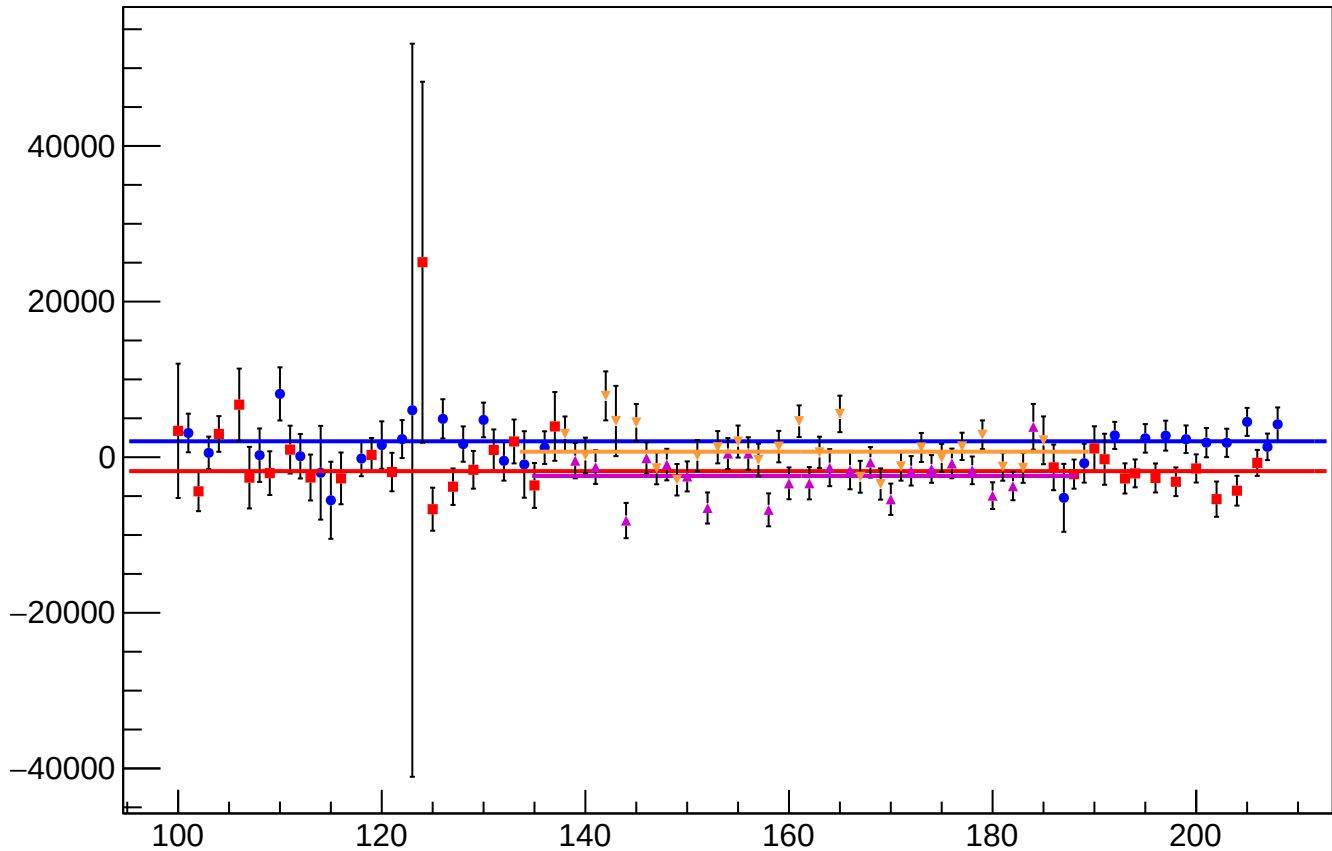
Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF:1082171.6/22

+ sign 9845.125 $\pm$ 1.254 χ^2 /NDF: 3498382.3/52

All: 9629.236 $\pm$ 0.876 χ^2 /NDF: 8625684.5/10

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

reg_asym_atl_avg_mean vs Slug



Right In: 2045.695 $\pm$ 443.071 χ^2 /NDF: 20.4/27

Left Out: 709.722 $\pm$ 417.377 χ^2 /NDF:34.8/24

Right Out: -1789.381 $\pm$ 442.167 χ^2 /NDF: 28.3/30

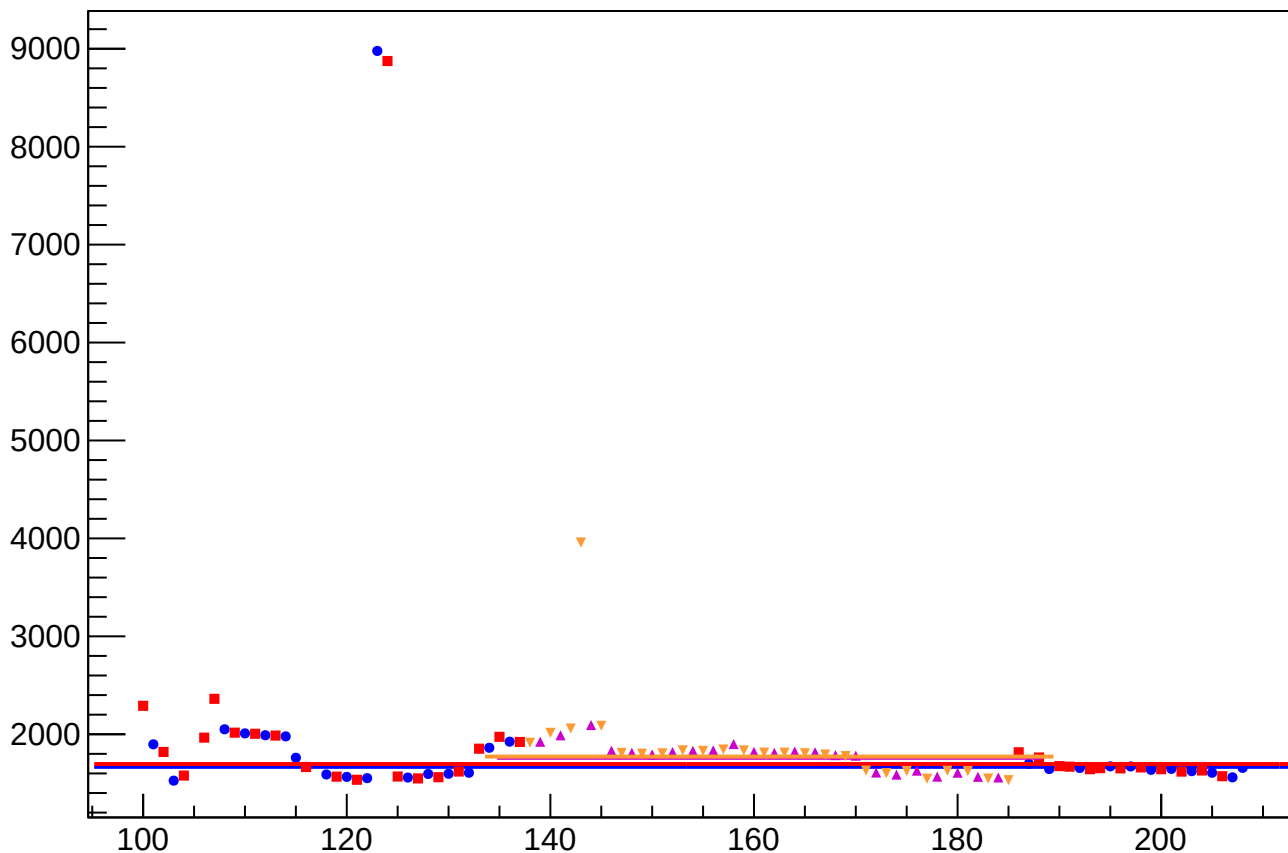
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF:34.0/22

+ sign 1337.851 $\pm$ 303.808 χ^2 /NDF: 60.1/52

All: -377.371 $\pm$ 215.538 χ^2 /NDF: 187.6/106

- sign -2115.565 $\pm$ 305.835 χ^2 /NDF: 63.4/53

reg_asym_atl_avg_rms vs Slug



Right In: 1667.424+/-0.313 χ^2/NDF : 215732.4/27

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

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

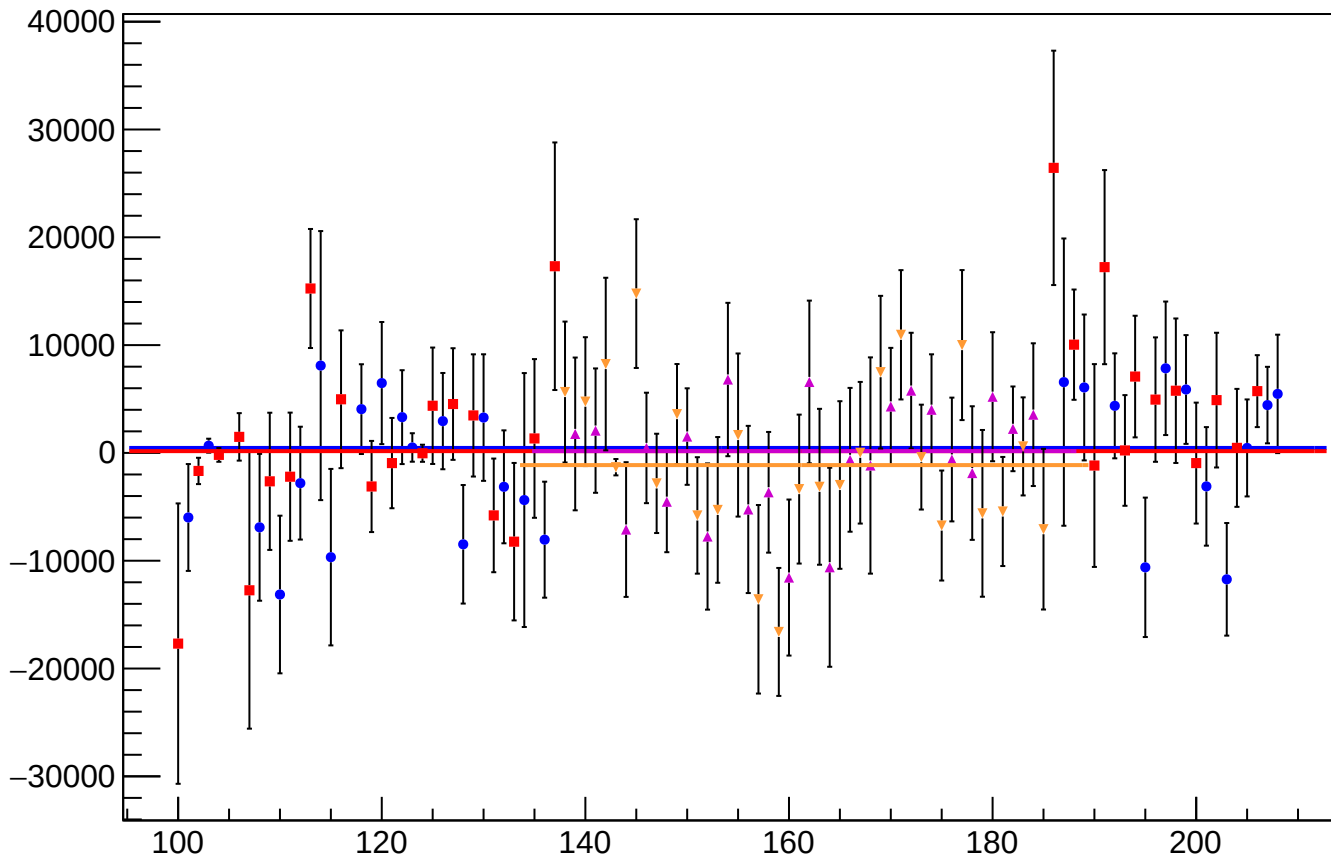
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1722.856+/-0.215 χ^2/NDF : 977288.4/52

All: 1725.962+/-0.152 χ^2/NDF : 1650687.0/100

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

asym_atl_avg_correction_mean vs Slug



Right In: 461.656 $\pm$ 512.211 χ^2 /NDF: 32.4/27

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

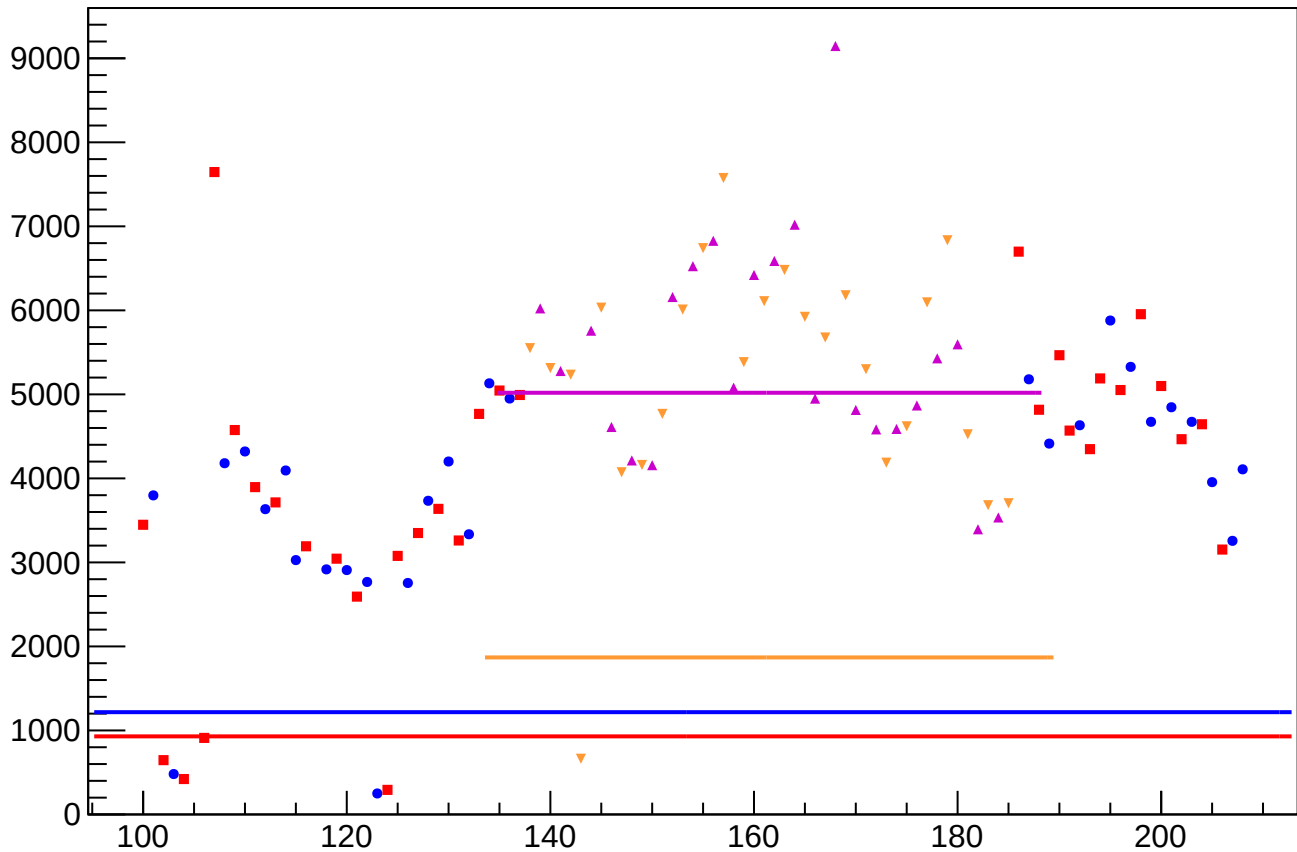
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -150.795 $\pm$ 401.739 χ^2 /NDF: 67.6/52

All: 9.317 $\pm$ 282.345 χ^2 /NDF: 123.0/106

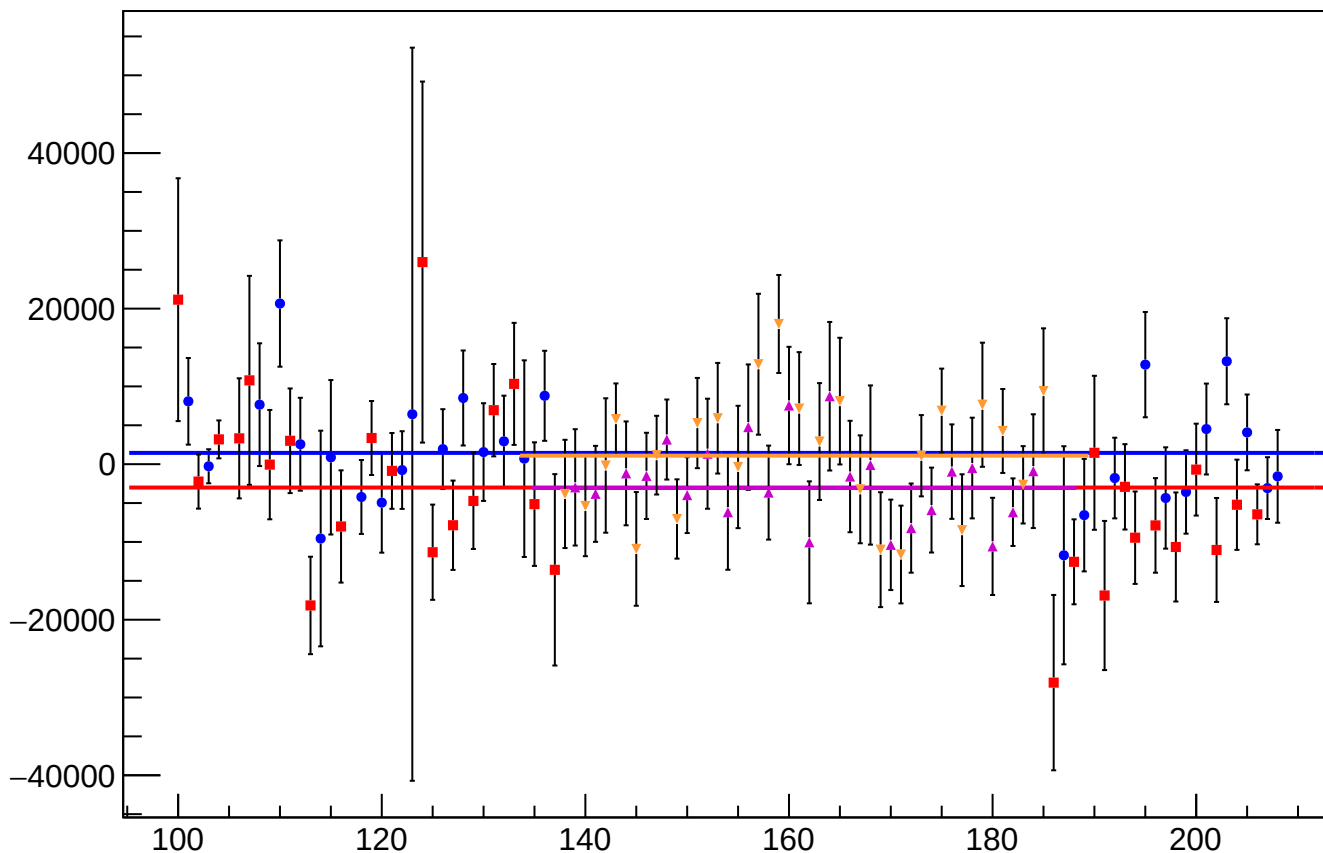
- sign 165.593 $\pm$ 396.896 χ^2 /NDF: 55.1/53

asym_atl_avg_correction_rms vs Slug



Right In: 1217.438+/-0.362	χ^2/NDF : 17178909.4/27	+ sign 1468.176+/-0.284	χ^2/NDF : 38276690.8/52
Left Out: 1868.983+/-0.458	χ^2/NDF : 19852416.6/24	All: 1410.164+/-0.200	χ^2/NDF : 78942375.5/1
Right Out: 929.374+/-0.296	χ^2/NDF : 19273837.1/30	- sign 1353.542+/-0.281	χ^2/NDF : 40583276.2/53
Left In: 5019.114+/-0.871	χ^2/NDF : 1569031.9/22		

asym_atl_avg_mean vs Slug



Right In: 1450.768 $\pm$ 1044.318 χ^2 /NDF: 28.2/27

Left Out: 1094.317 $\pm$ 1273.113 χ^2 /NDF:32.0/24

Right Out: -3004.996 $\pm$ 1041.476 χ^2 /NDF: 46.5/30

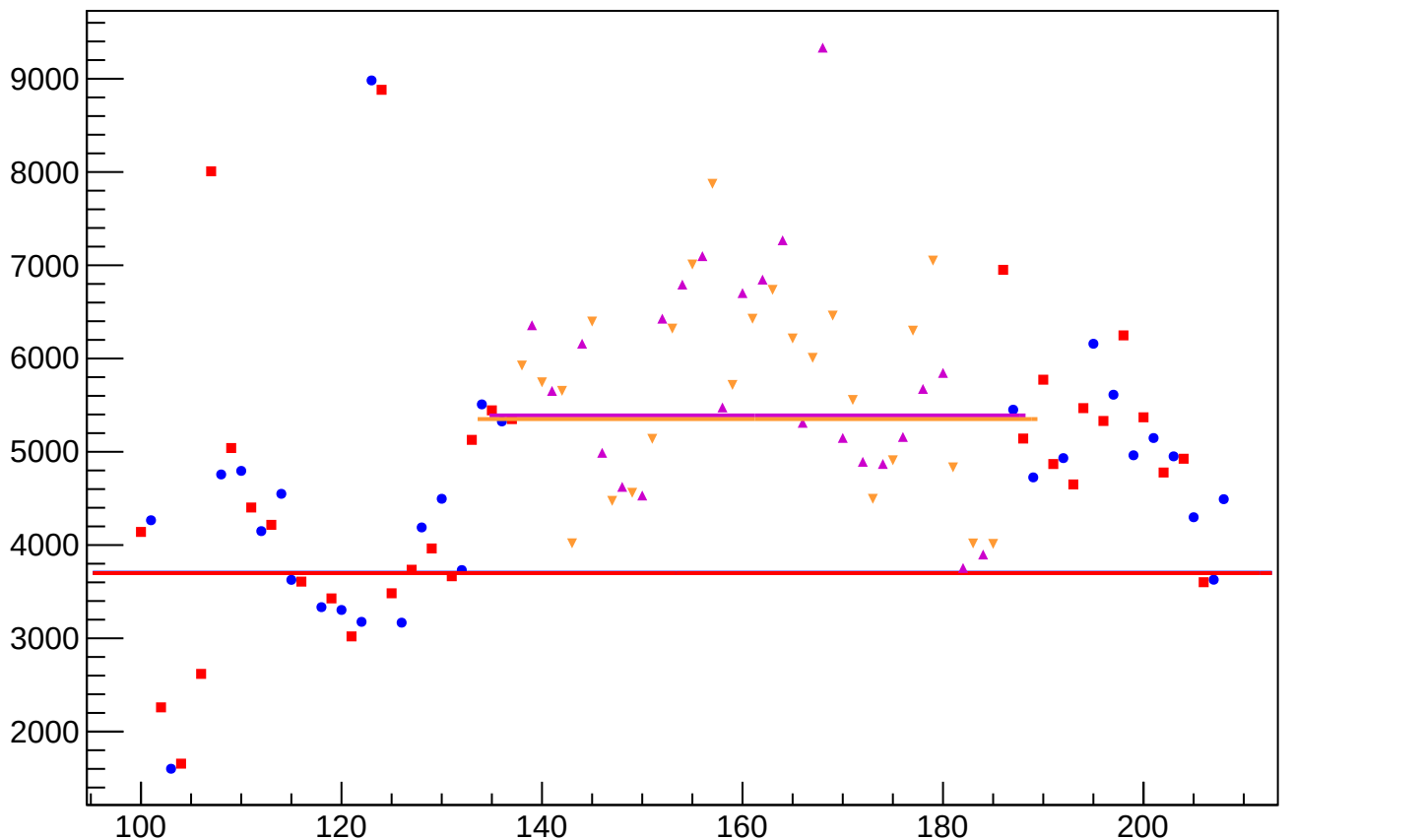
Left In: -3064.775 $\pm$ 1318.173 χ^2 /NDF:12.6/22

+ sign 1307.394 $\pm$ 807.424 χ^2 /NDF: 60.2/52

All: -834.224 $\pm$ 574.357 χ^2 /NDF: 133.5/106

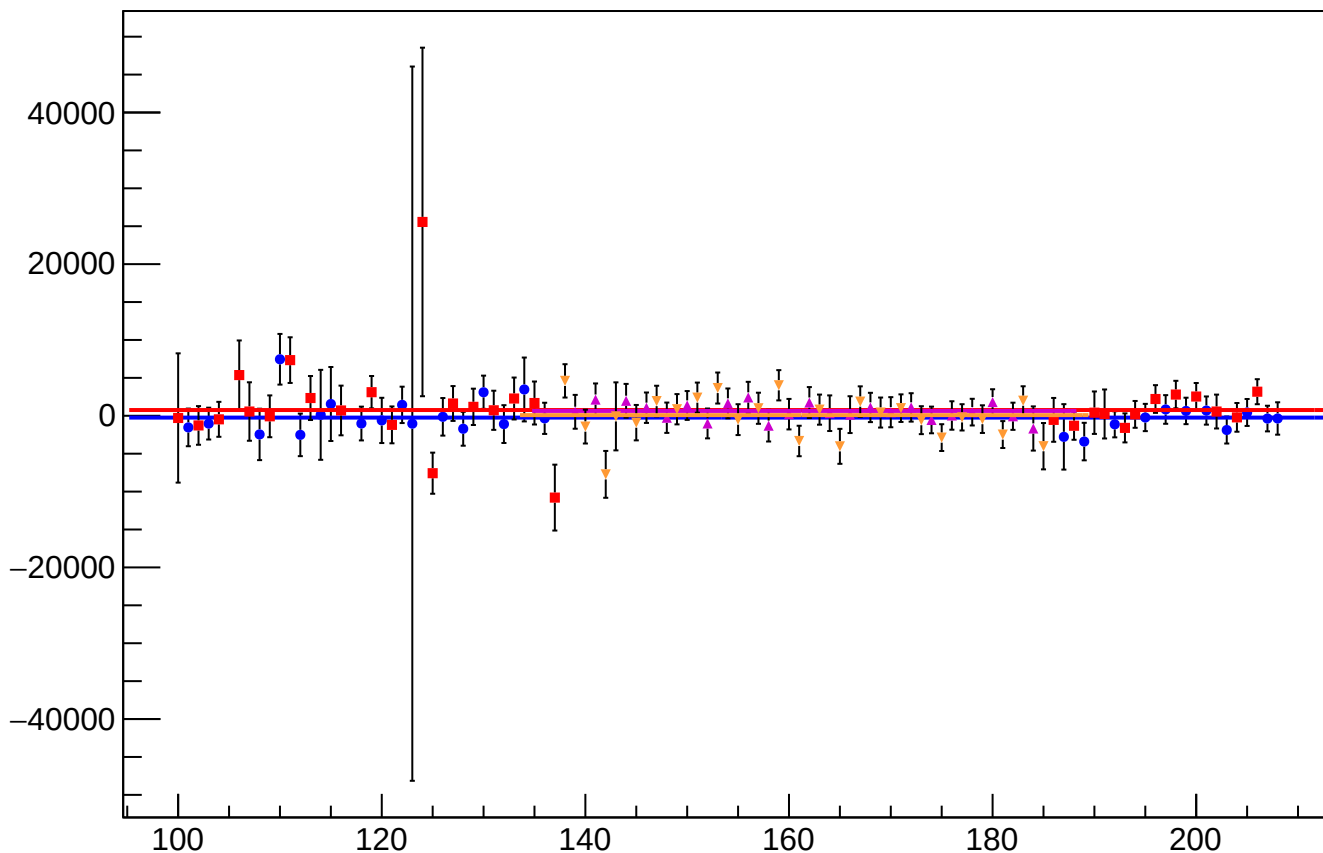
- sign -3027.971 $\pm$ 817.191 χ^2 /NDF: 59.1/53

asym_atl_avg_rms vs Slug



Right In: 3702.802 $\pm$ 0.738	χ^2 /NDF: 3305123.5/27	+ sign 4365.668 $\pm$ 0.571	χ^2 /NDF: 6549942.0/52
Left Out: 5350.804 $\pm$ 0.900	χ^2 /NDF: 1241497.9/24	All: 4353.465 $\pm$ 0.405	χ^2 /NDF: 13764762.3/100
Right Out: 3698.990 $\pm$ 0.729	χ^2 /NDF: 3863358.4/30	- sign 4341.113 $\pm$ 0.574	χ^2 /NDF: 7213901.1/53
Left In: 5389.724 $\pm$ 0.932	χ^2 /NDF: 1309863.0/22		

reg_asym_atl_dd_mean vs Slug



Right In: -240.241 ± 436.937 χ^2/NDF : 15.3/27

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

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

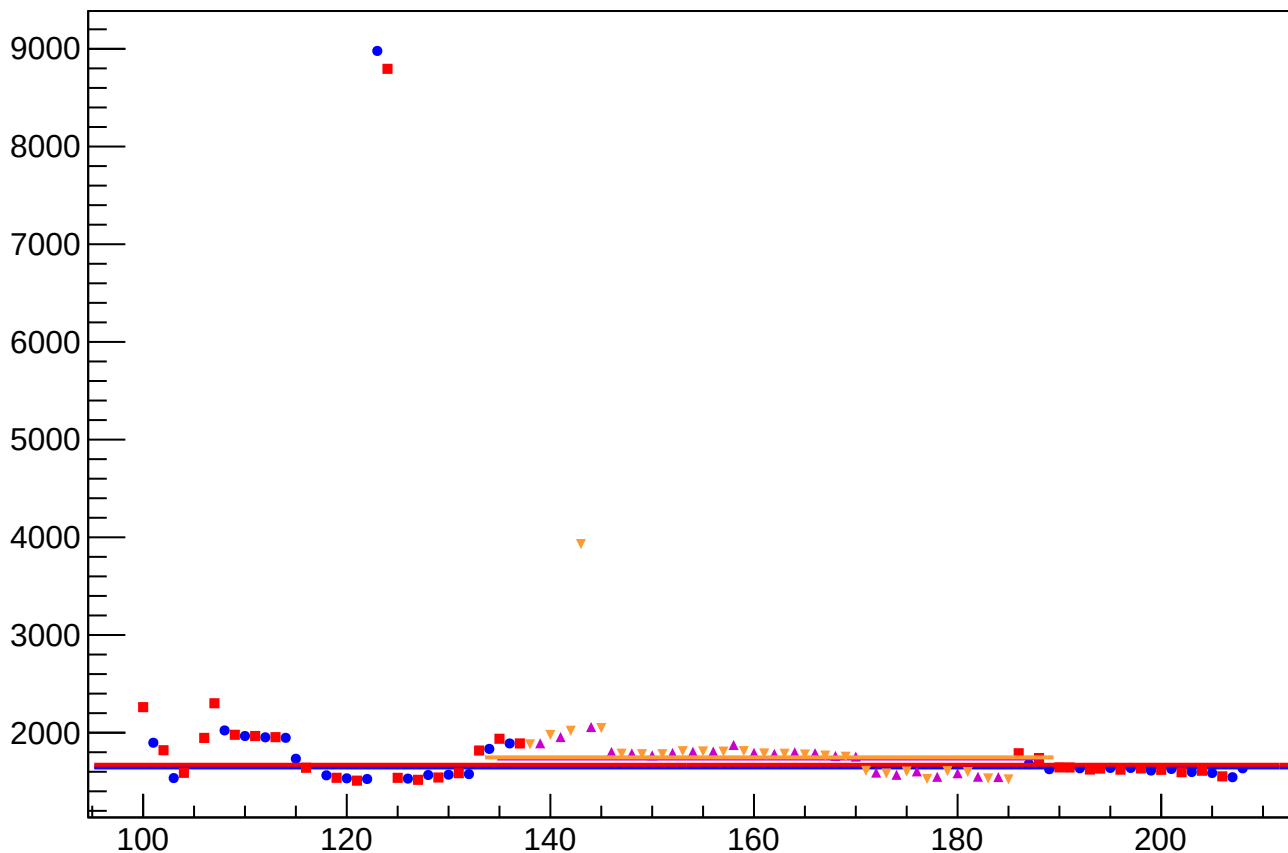
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -67.247 ± 299.575 χ^2/NDF : 51.6/52

All: 311.925 ± 212.526 χ^2/NDF : 96.7/106

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

reg_asym_atl_dd_rms vs Slug



Right In: 1644.415 $\pm$ 0.309 χ^2 /NDF: 212968.3/27

Left Out: 1747.320 $\pm$ 0.291 χ^2 /NDF: 698192.3/24

Right Out: 1671.992 $\pm$ 0.308 χ^2 /NDF: 432082.3/30

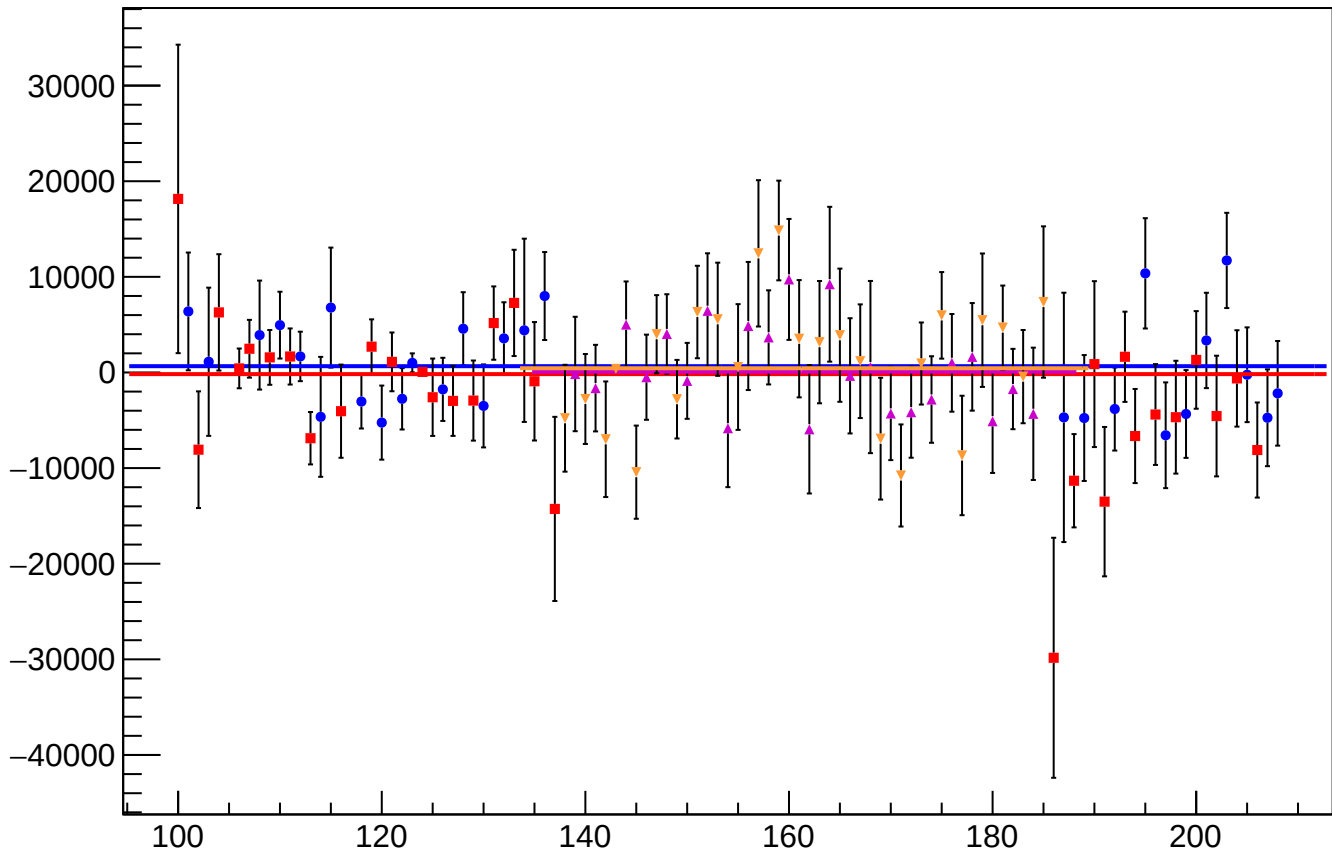
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1698.946 $\pm$ 0.212 χ^2 /NDF: 969946.8/52

All: 1701.986 $\pm$ 0.150 χ^2 /NDF: 1631419.4/10

- sign 1705.060 $\pm$ 0.213 χ^2 /NDF: 661058.4/53

asym_atl_dd_correction_mean vs Slug



Right In: 657.026 ± 647.207 $\chi^2/\text{NDF}: 29.9/27$

Left Out: 442.187 ± 440.335 $\chi^2/\text{NDF}: 33.9/24$

Right Out: -172.181 ± 349.107 $\chi^2/\text{NDF}: 41.1/30$

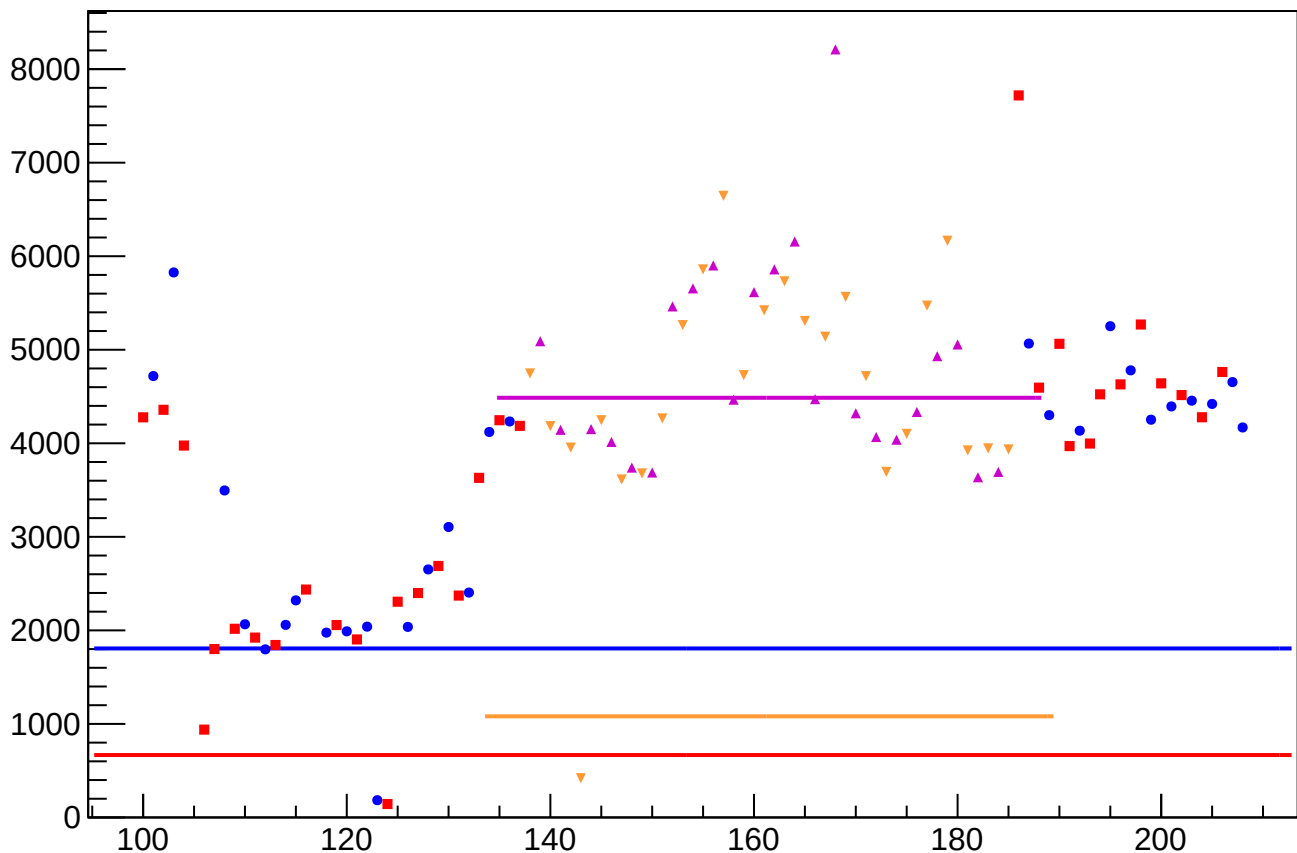
Left In: 88.508 ± 1094.838 $\chi^2/\text{NDF}: 13.4/22$

+ sign 510.167 ± 364.063 $\chi^2/\text{NDF}: 63.9/52$

All: 151.360 ± 245.558 $\chi^2/\text{NDF}: 120.3/106$

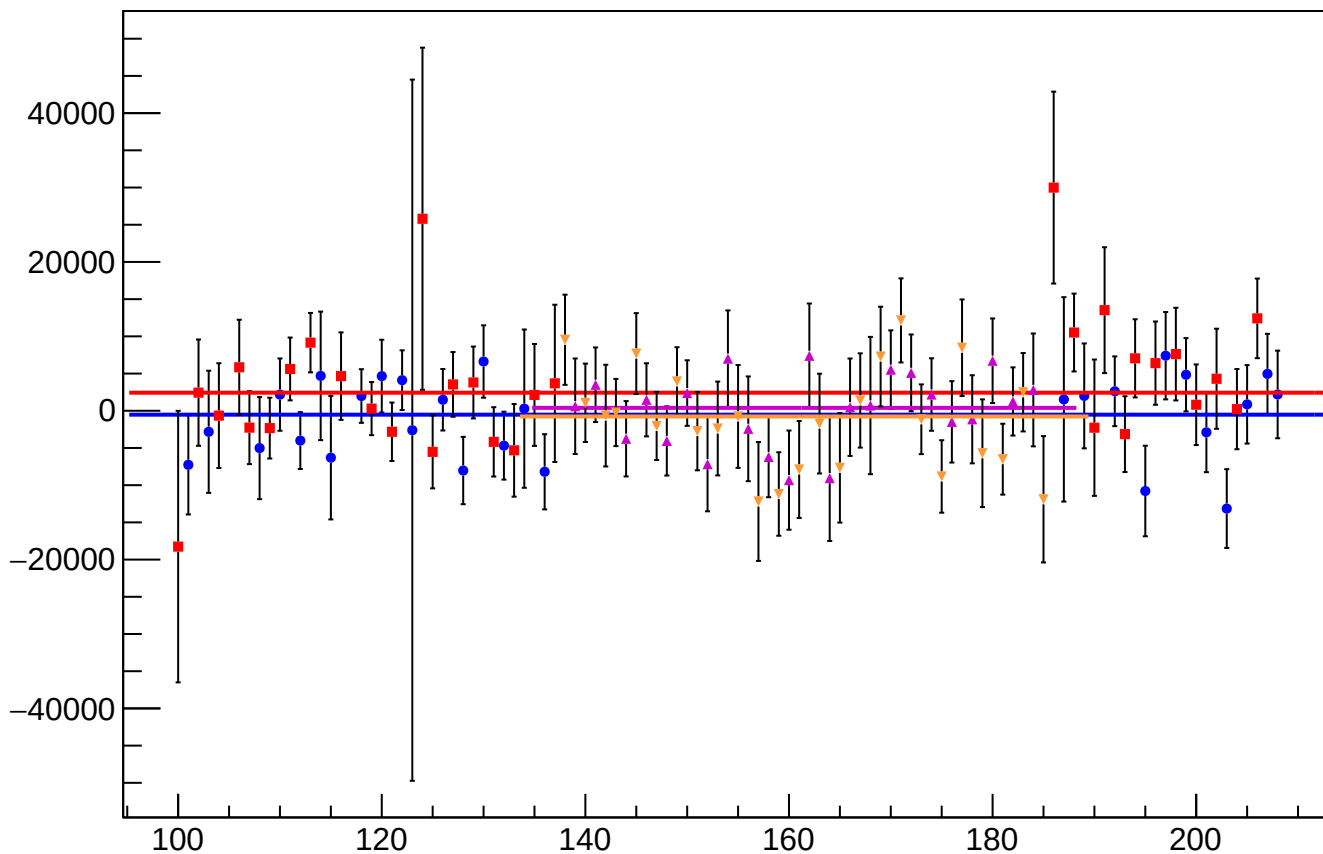
- sign -148.121 ± 332.607 $\chi^2/\text{NDF}: 54.6/53$

asym_atl_dd_correction_rms vs Slug



Right In: 1806.757+/-0.458	χ^2/NDF : 13069289.6/27	+ sign 1310.648+/-0.257	χ^2/NDF : 39244668.7/52
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1152.059+/-0.174	χ^2/NDF : 85590244.8/1
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: -524.564 ± 1019.308 $\chi^2/\text{NDF}: 28.4/27$

Left Out: -766.008 ± 1147.372 $\chi^2/\text{NDF}: 29.9/24$

Right Out: 2429.858 ± 986.390 $\chi^2/\text{NDF}: 33.0/30$

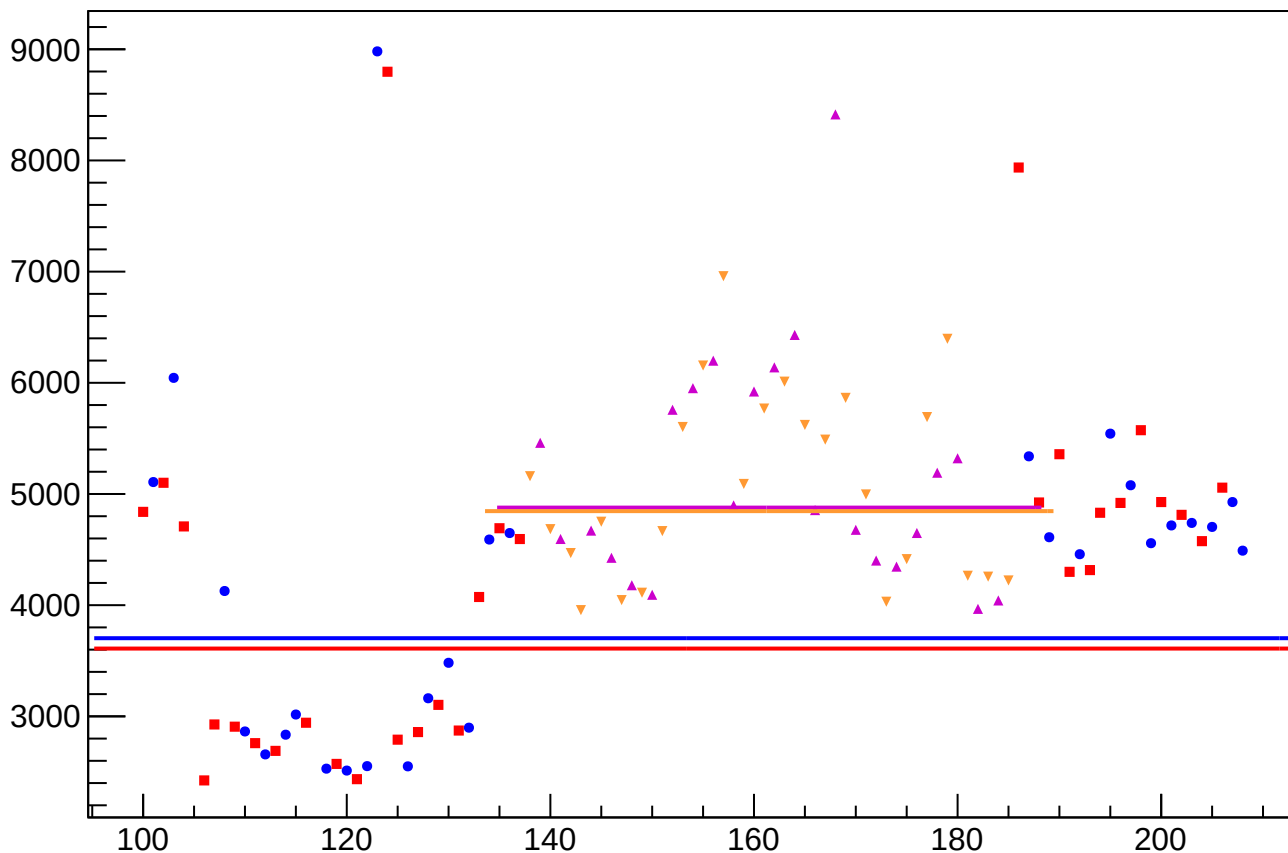
Left In: 388.944 ± 1186.300 $\chi^2/\text{NDF}: 14.2/22$

+ sign -631.065 ± 762.031 $\chi^2/\text{NDF}: 58.4/52$

All: 487.509 ± 537.568 $\chi^2/\text{NDF}: 111.6/106$

- sign 1595.610 ± 758.455 $\chi^2/\text{NDF}: 49.0/53$

asym_atl_dd_rms vs Slug



Right In: 3702.891+/-0.721 χ^2/NDF : 2182956.2/27

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

Right Out: 3609.733+/-0.691 χ^2/NDF : 2576640.0/30

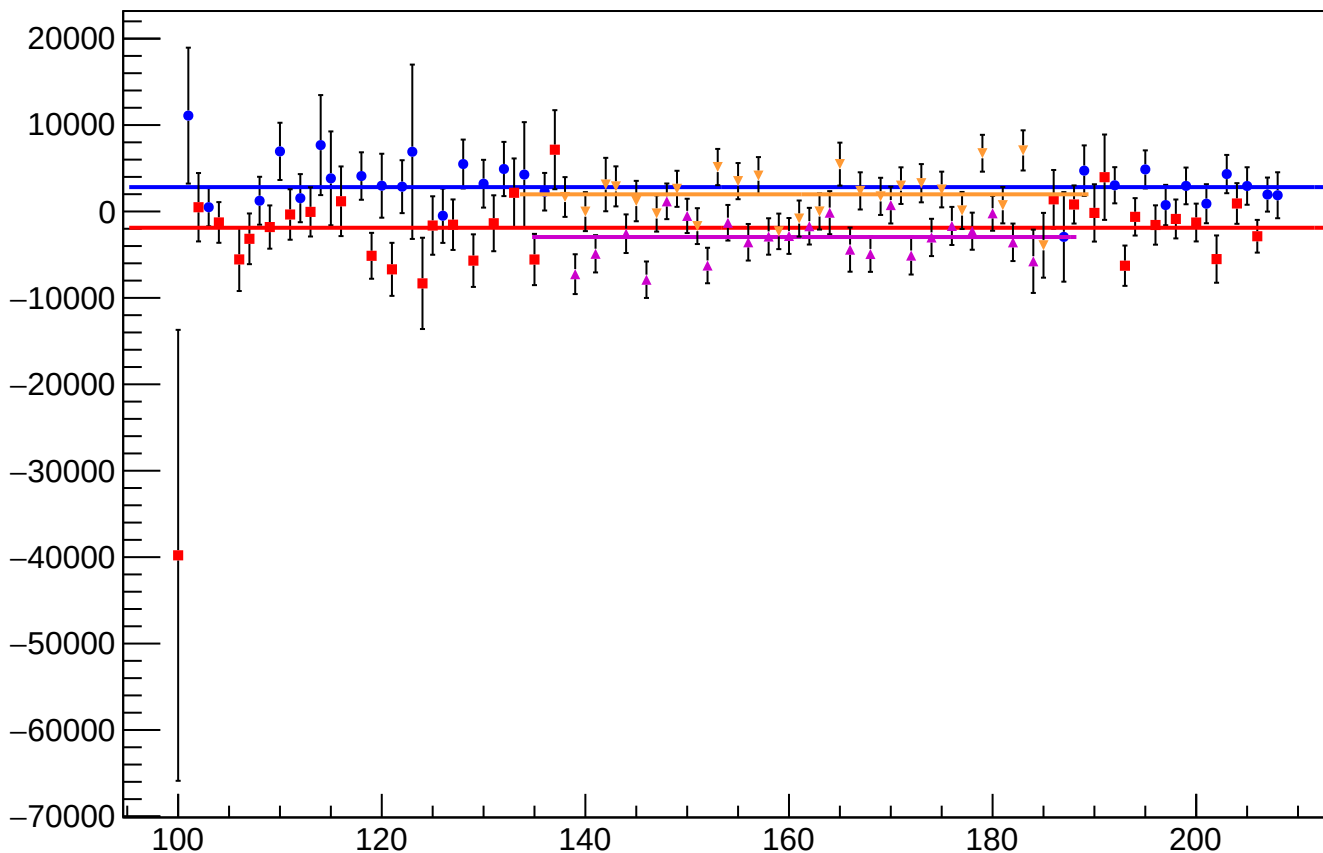
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4207.016+/-0.539 χ^2/NDF : 4201215.1/52

All: 4164.418+/-0.379 χ^2/NDF : 9108737.9/10

- sign 4122.649+/-0.534 χ^2/NDF : 4895144.8/53

reg_asym_atr_avg_mean vs Slug



Right In: 2817.947 $\pm$ 522.818 χ^2 /NDF: 12.9/27

Left Out: 1985.469 $\pm$ 443.190 χ^2 /NDF: 32.4/24

Right Out: -1884.561 $\pm$ 511.027 χ^2 /NDF: 30.3/30

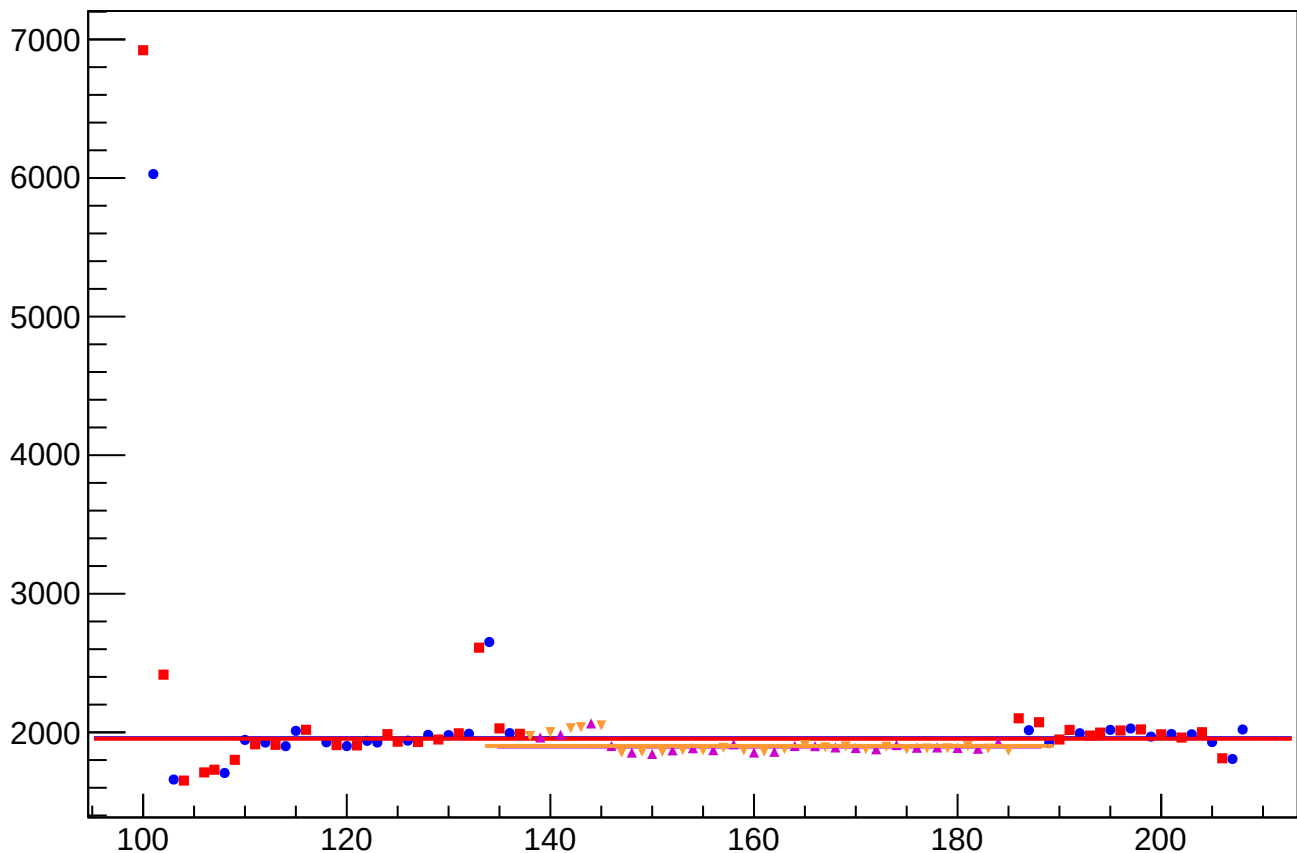
Left In: -2955.900 $\pm$ 454.551 χ^2 /NDF: 28.4/22

+ sign 2333.550 $\pm$ 338.068 χ^2 /NDF: 46.8/52

All: -63.429 $\pm$ 239.602 χ^2 /NDF: 208.9/106

- sign -2482.679 $\pm$ 339.635 χ^2 /NDF: 61.1/53

reg_asym_atr_avg_rms vs Slug



Right In: 1957.906 $\pm$ 0.370 χ^2 /NDF: 635679.9/27

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

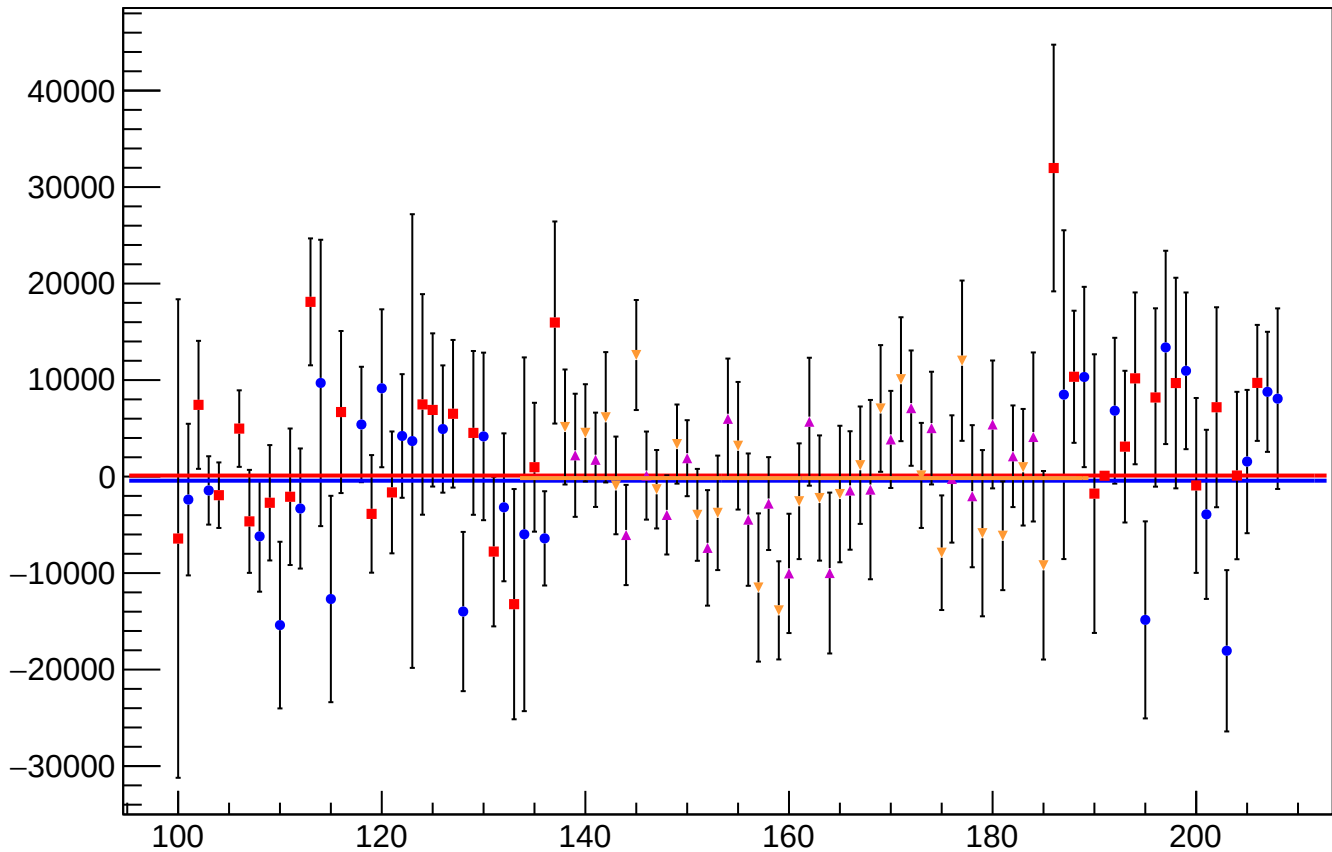
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF: 21180.1/22

+ sign 1925.308 $\pm$ 0.239 χ^2 /NDF: 679488.8/52

All: 1923.878 $\pm$ 0.169 χ^2 /NDF: 961630.3/106

- sign 1922.436 $\pm$ 0.240 χ^2 /NDF: 282069.6/53

asym_atr_avg_correction_mean vs Slug



Right In: -426.760 ± 1399.462 χ^2/NDF : 30.5/27

Left Out: -157.539 ± 1165.844 χ^2/NDF : 29.5/24

Right Out: 106.075 ± 109.551 χ^2/NDF : 34.1/30

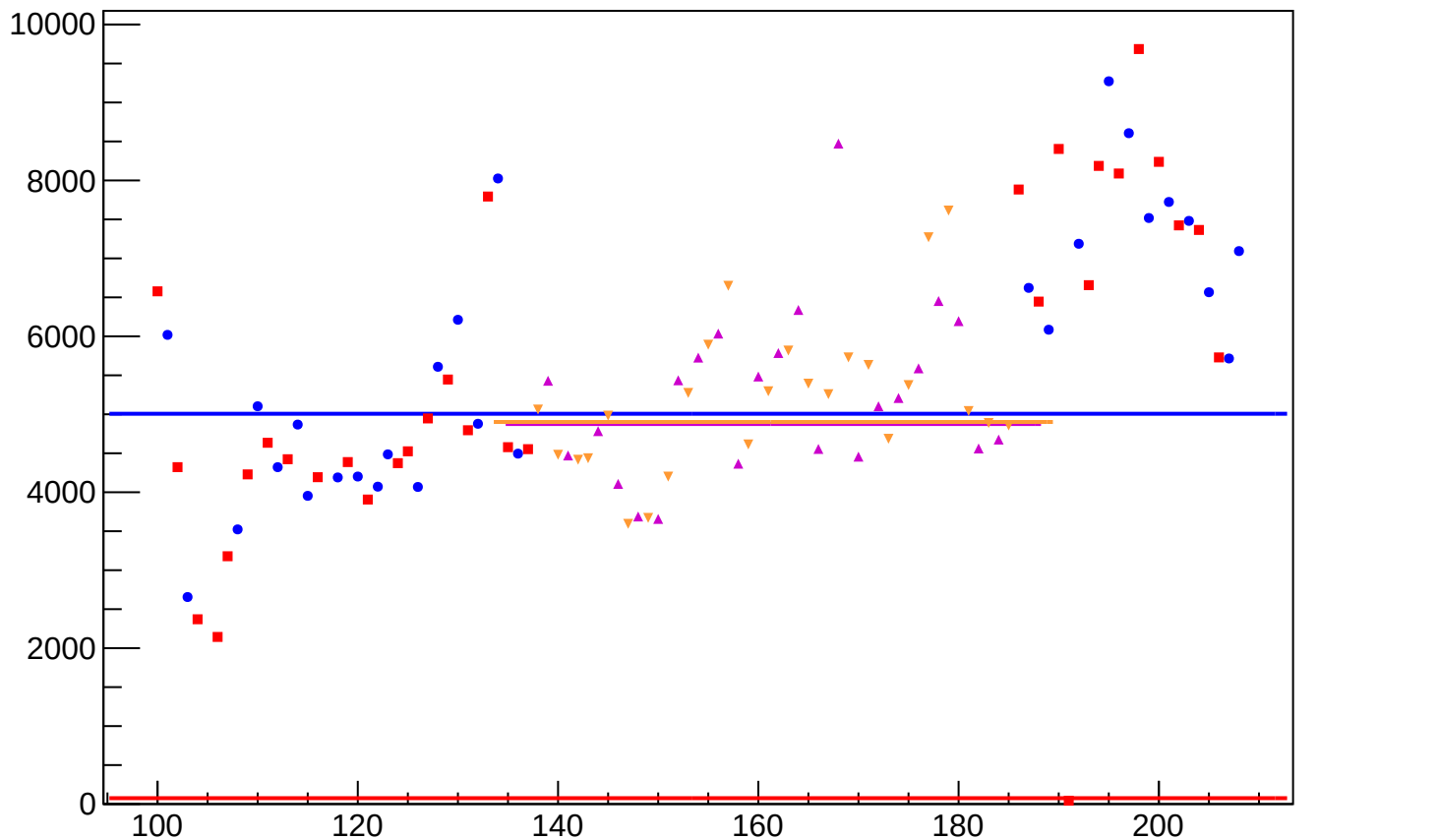
Left In: -139.000 ± 1190.889 χ^2/NDF : 14.7/22

+ sign -267.833 ± 895.744 χ^2/NDF : 60.0/52

All: 98.584 ± 108.291 χ^2/NDF : 109.0/106

- sign 104.019 ± 109.091 χ^2/NDF : 48.8/53

asym_atr_avg_correction_rms vs Slug



Right In: 5006.838 $\pm$ 0.990 χ^2 /NDF: 2949558.7/27

Left Out: 4901.357 $\pm$ 0.824 χ^2 /NDF:1136916.0/24

Right Out: 75.373 $\pm$ 0.077 χ^2 /NDF: 28604980.9/30

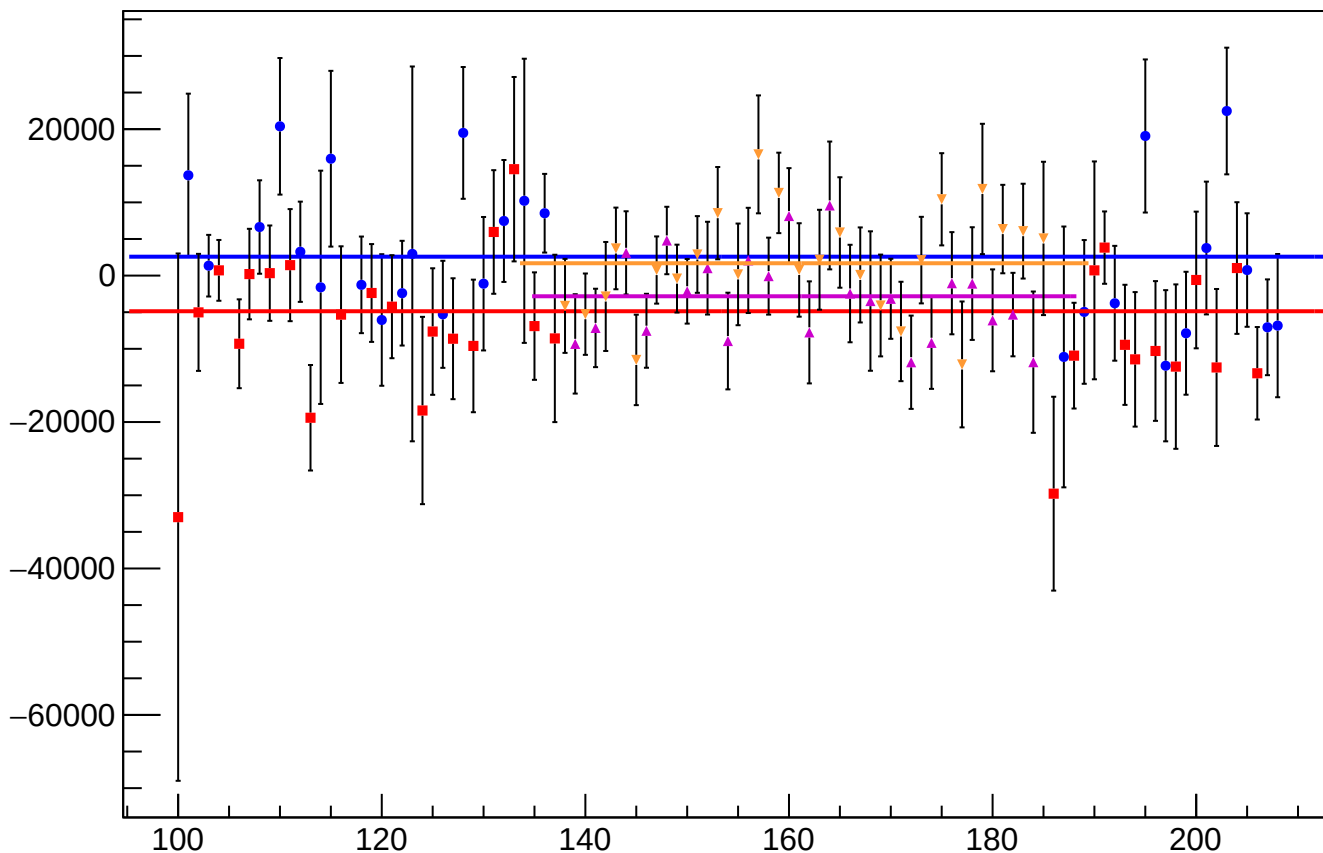
Left In: 4875.112 $\pm$ 0.842 χ^2 /NDF:1229198.0/22

+ sign 4944.570 $\pm$ 0.633 χ^2 /NDF: 4093182.0/52

All: 186.227 $\pm$ 0.077 χ^2 /NDF: 123418069.6/3

- sign 115.650 $\pm$ 0.077 χ^2 /NDF: 62049513.4/53

asym_atr_avg_mean vs Slug



Right In: 2581.752 $\pm$ 1538.322 χ^2 /NDF: 31.2/27

Left Out: 1686.531 $\pm$ 1261.650 χ^2 /NDF:25.4/24

Right Out: -4868.030 $\pm$ 1402.533 χ^2 /NDF: 27.1/30

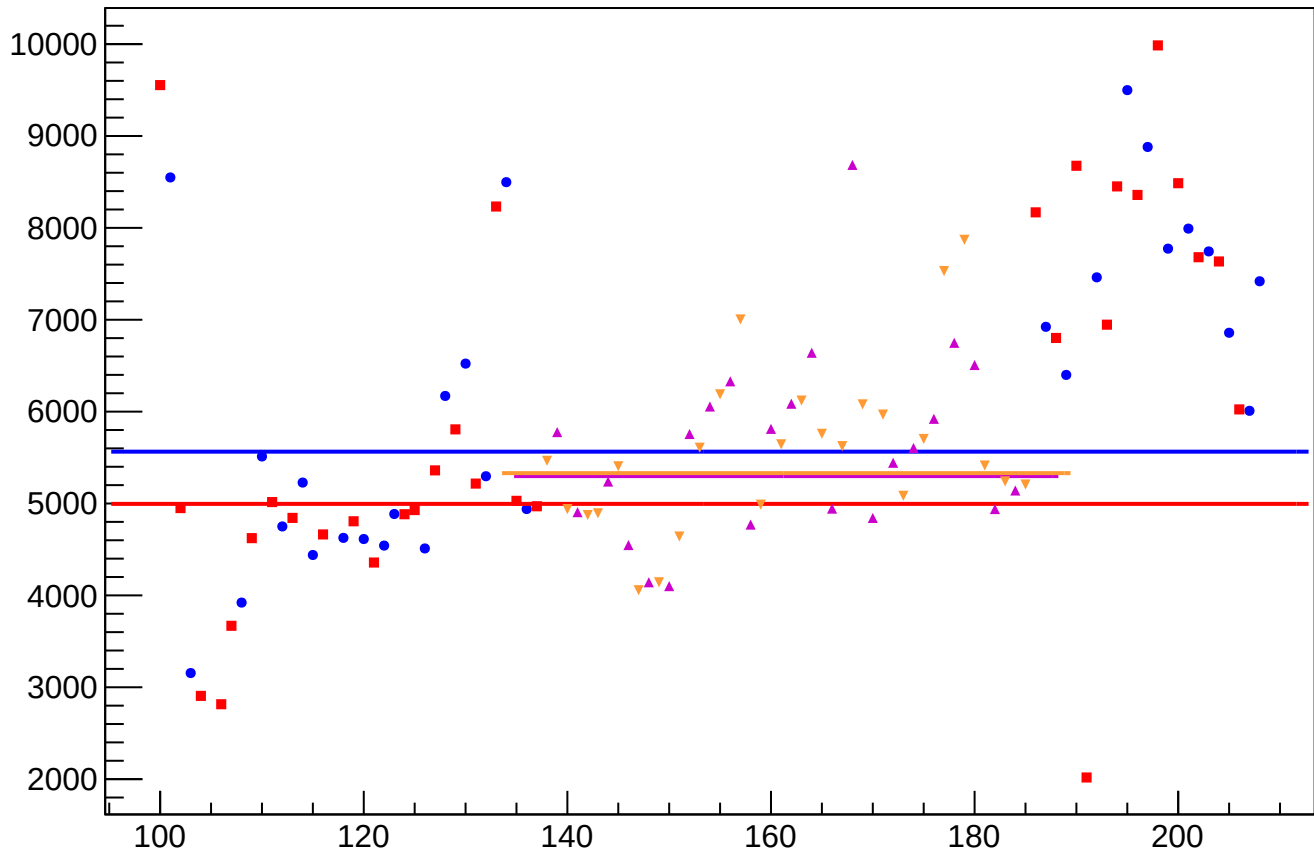
Left In: -2824.078 $\pm$ 1288.414 χ^2 /NDF:18.0/22

+ sign 2046.538 $\pm$ 975.523 χ^2 /NDF: 56.8/52

All: -937.019 $\pm$ 680.165 χ^2 /NDF: 121.3/106

- sign -3759.530 $\pm$ 948.830 χ^2 /NDF: 46.3/53

asym_atr_avg_rms vs Slug



Right In: 5564.362 $\pm$ 1.088 χ^2 /NDF: 2409603.5/27

Left Out: 5330.725 $\pm$ 0.892 χ^2 /NDF:868061.7/24

Right Out: 4995.952 $\pm$ 0.988 χ^2 /NDF: 3866814.4/30

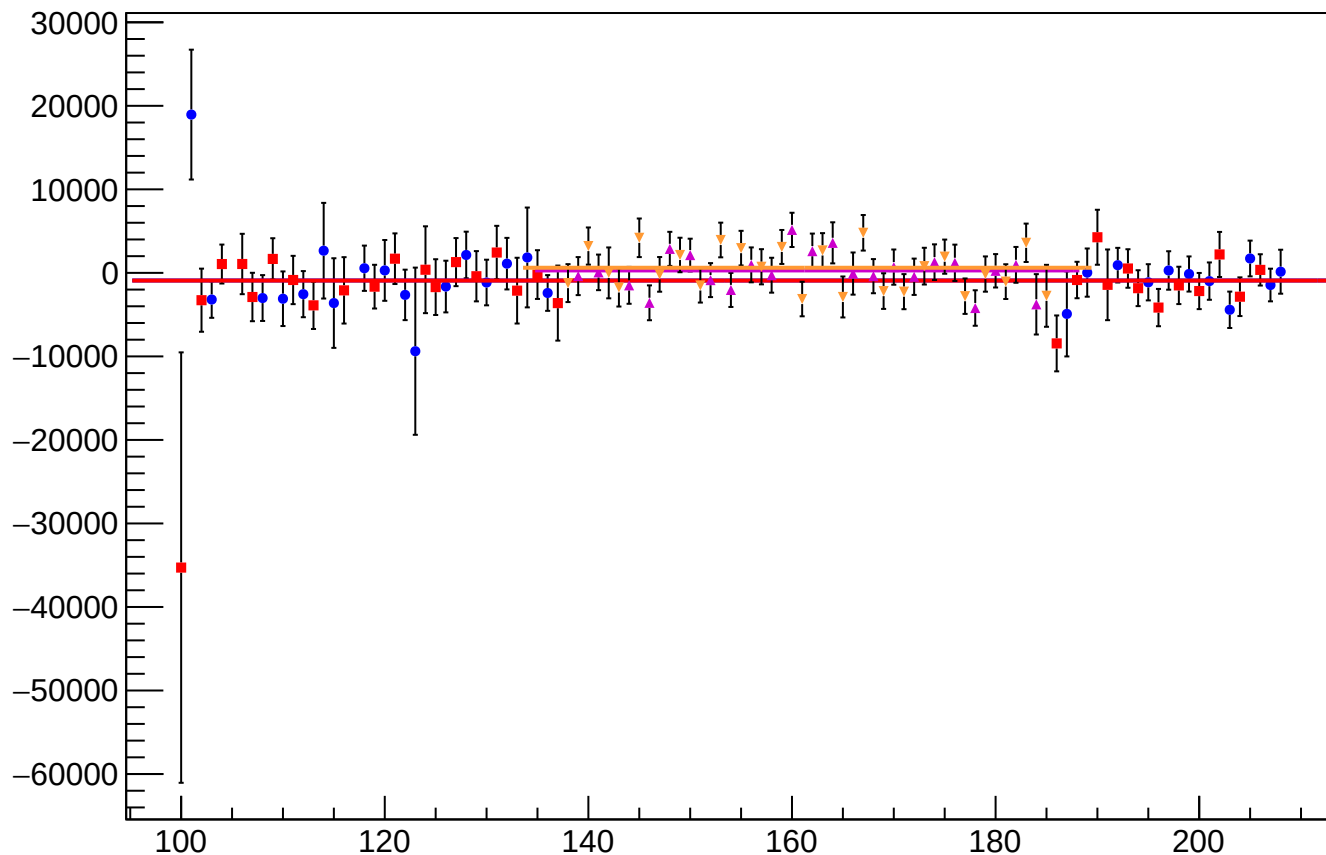
Left In: 5298.329 $\pm$ 0.911 χ^2 /NDF:956021.6/22

+ sign 5424.680 $\pm$ 0.690 χ^2 /NDF: 3305246.5/52

All: 5288.110 $\pm$ 0.481 χ^2 /NDF: 8254859.1/10

- sign 5159.365 $\pm$ 0.670 χ^2 /NDF: 4873461.9/53

reg_asym_atr_dd_mean vs Slug



Right In: -910.310 ± 516.253 χ^2/NDF : 19.7/27

Left Out: 612.314 ± 438.264 χ^2/NDF : 32.7/24

Right Out: -921.259 ± 503.866 χ^2/NDF : 22.2/30

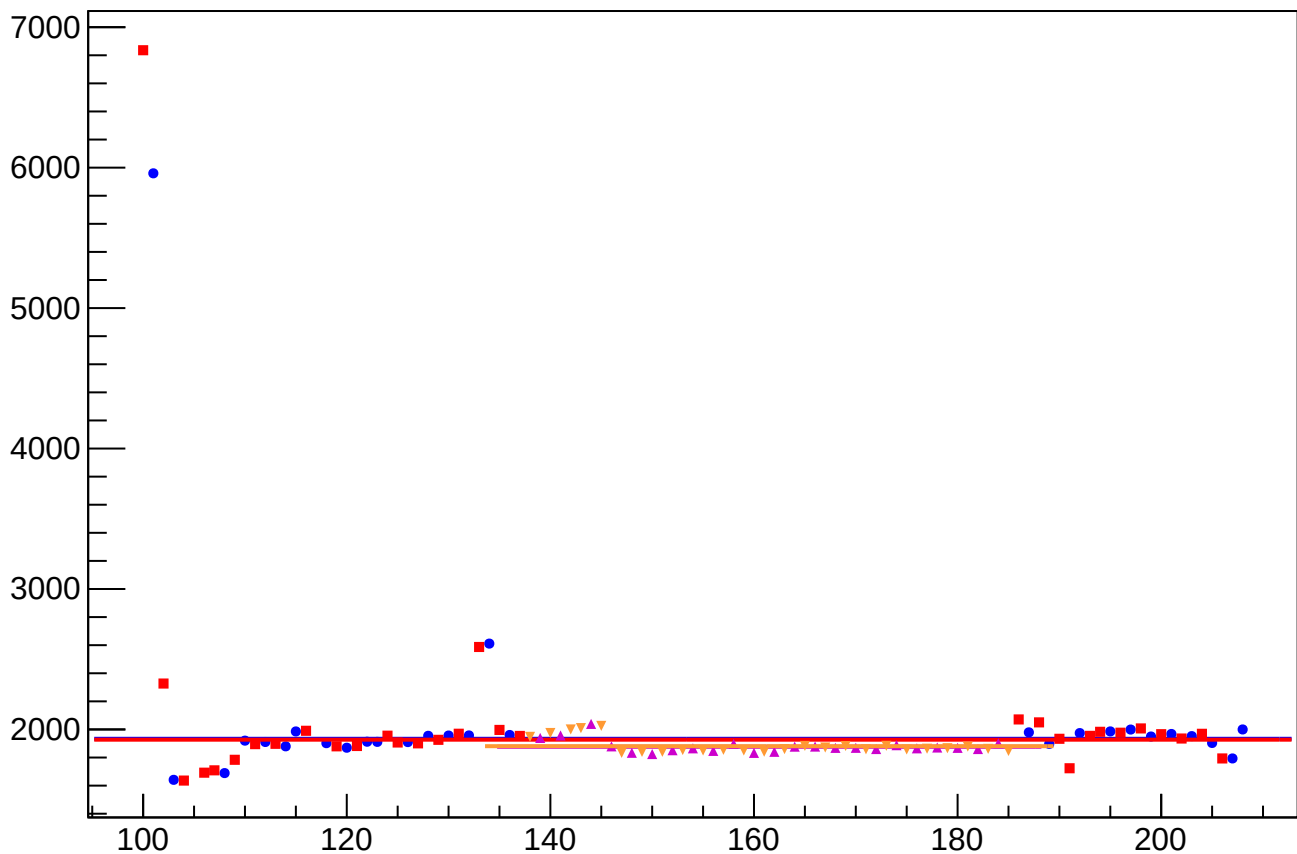
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign -25.417 ± 334.106 χ^2/NDF : 57.5/52

All: -134.868 ± 236.725 χ^2/NDF : 106.8/106

- sign -245.206 ± 335.456 χ^2/NDF : 49.1/53

reg_asym_atr_dd_rms vs Slug



Right In: 1933.475+/-0.365 χ^2/NDF : 632761.8/27

Left Out: 1880.808+/-0.310 χ^2/NDF : 28655.5/24

Right Out: 1927.101+/-0.356 χ^2/NDF : 245124.0/30

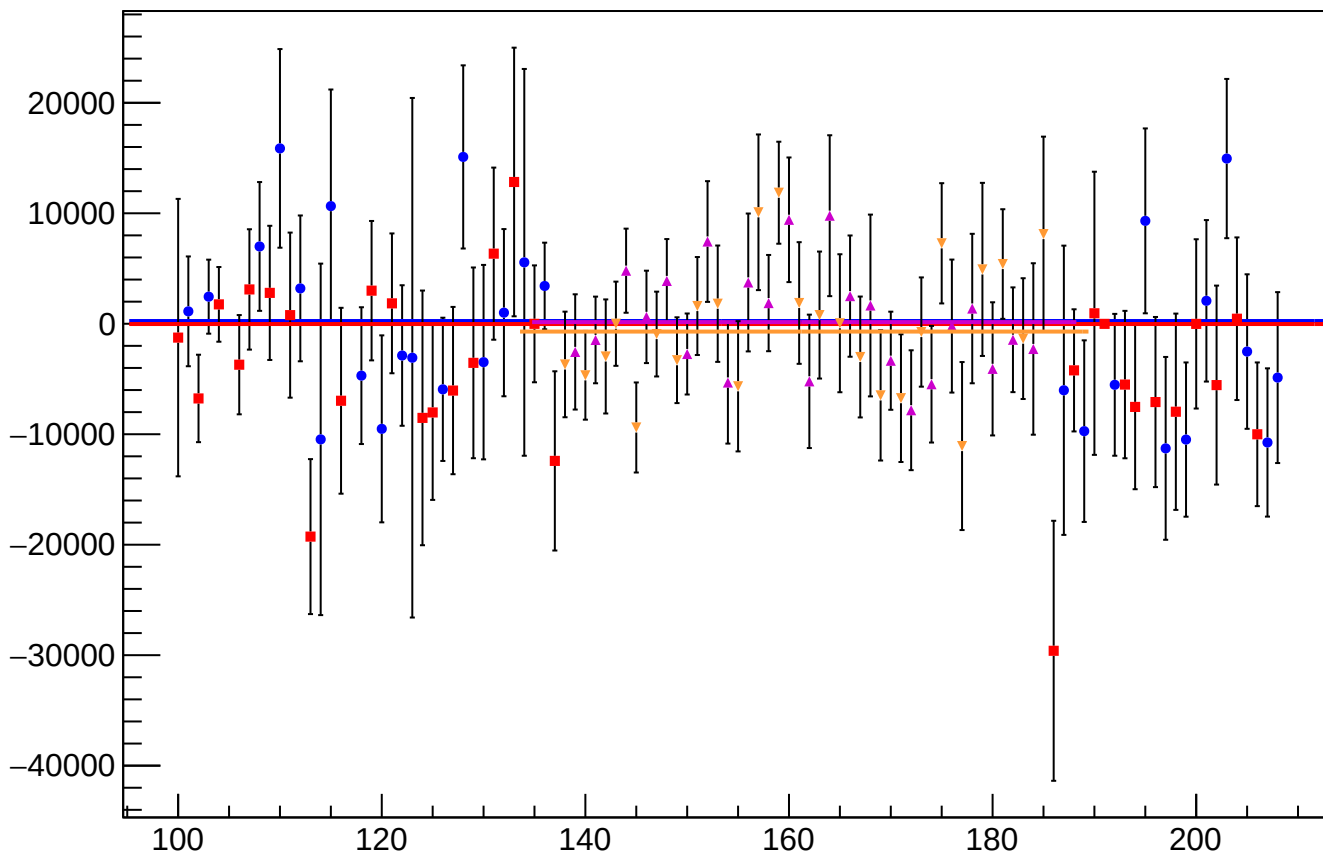
Left In: 1876.685+/-0.318 χ^2/NDF : 20499.7/22

+ sign 1902.867+/-0.236 χ^2/NDF : 673514.4/52

All: 1900.969+/-0.167 χ^2/NDF : 950429.2/106

- sign 1899.058+/-0.237 χ^2/NDF : 276785.3/53

asym_atr_dd_correction_mean vs Slug



Right In: 247.523+/-1288.240 χ^2/NDF : 29.2/27

Left Out: -707.785+/-1017.719 χ^2/NDF : 27.1/24

Right Out: -24.573+/-85.796 χ^2/NDF : 32.4/30

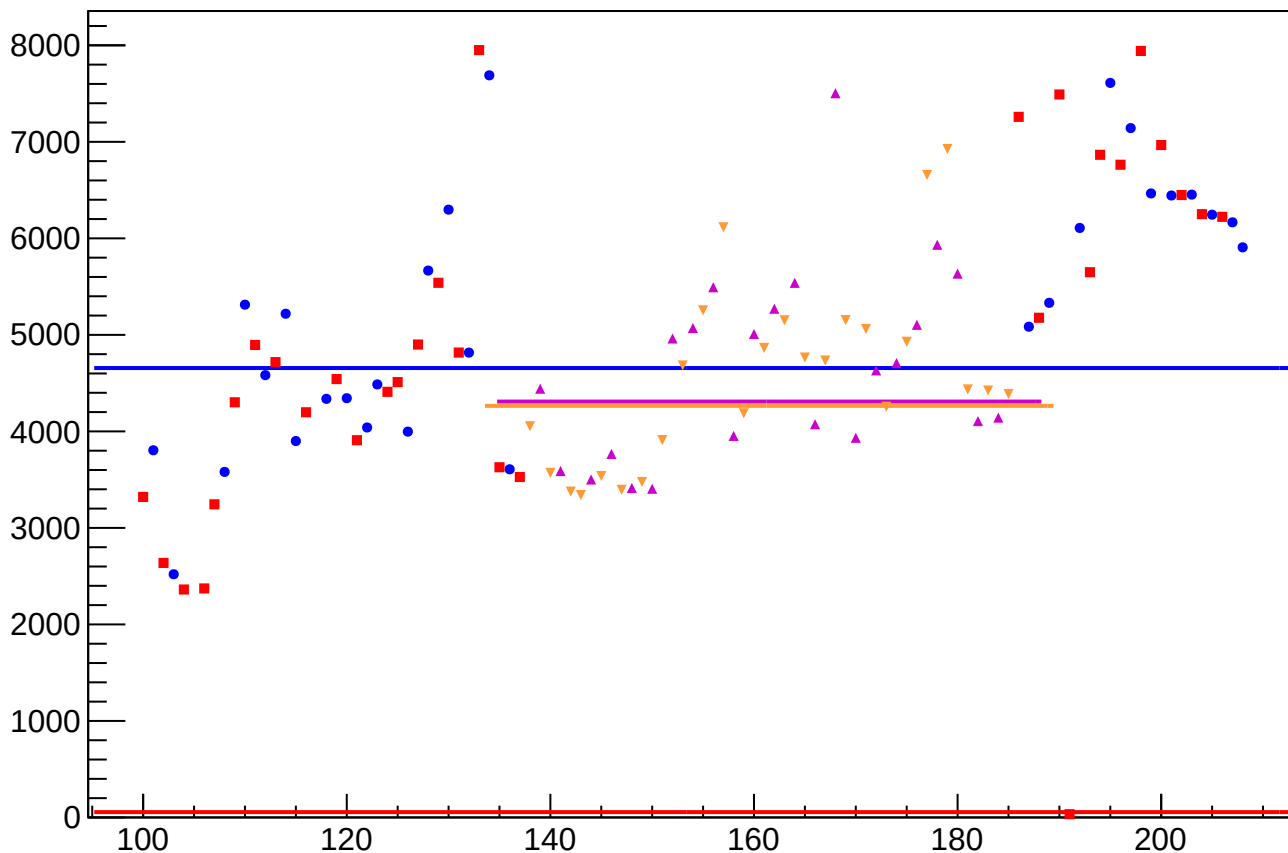
Left In: 150.495+/-1053.655 χ^2/NDF : 16.9/22

+ sign -340.681+/-798.583 χ^2/NDF : 56.7/52

All: -27.017+/-85.027 χ^2/NDF : 106.2/106

- sign -23.420+/-85.513 χ^2/NDF : 49.3/53

asym_atr_dd_correction_rms vs Slug



Right In: 4656.432 $\pm$ 0.911 χ^2 /NDF: 2497550.6/27

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

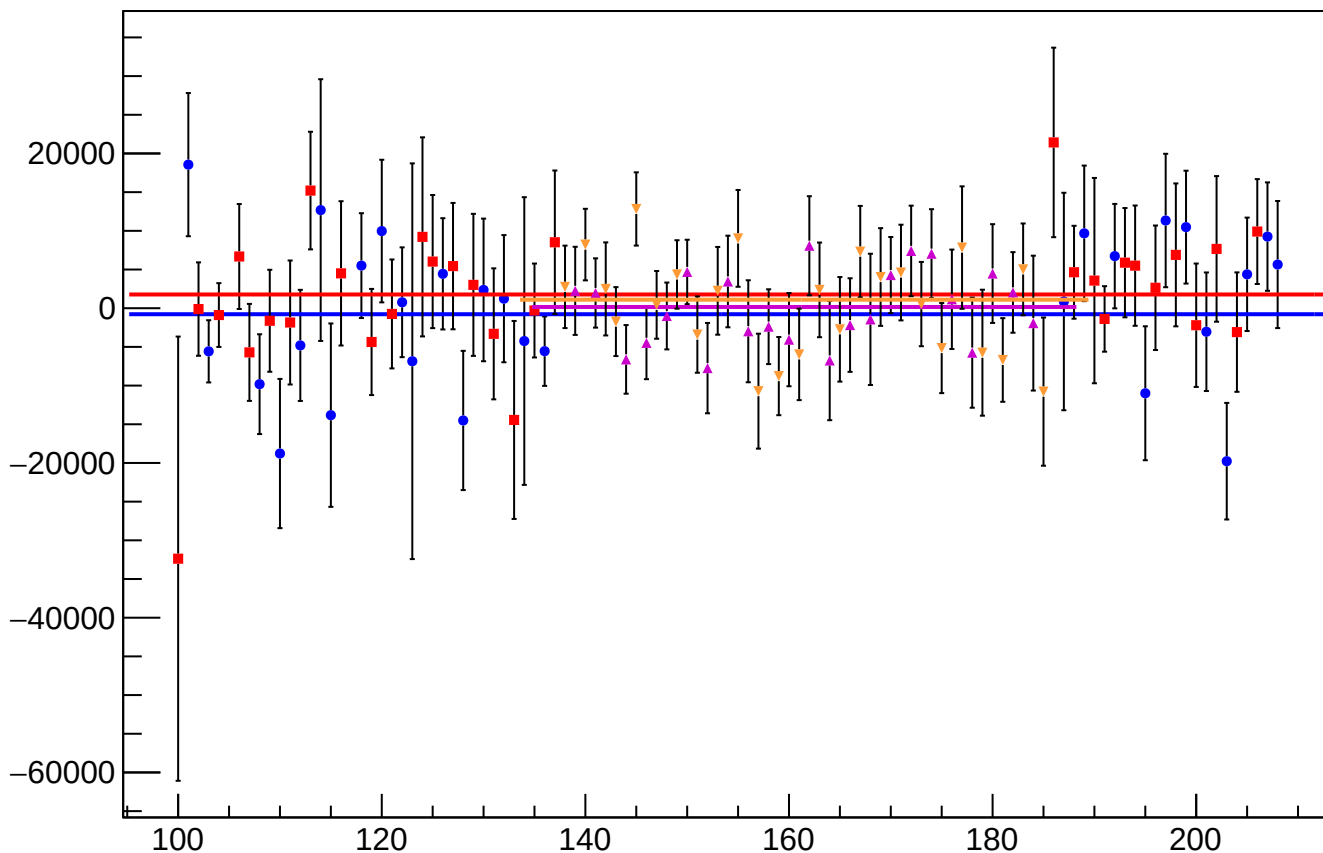
Left In: 4309.034 $\pm$ 0.745 χ^2 /NDF: 1305133.3/22

+ sign 4415.070 $\pm$ 0.565 χ^2 /NDF: 3966474.2/52

All: 132.528 $\pm$ 0.060 χ^2 /NDF: 124604927.1/1

- sign 83.423 $\pm$ 0.060 χ^2 /NDF: 62462340.7/53

asym_atr_dd_mean vs Slug



Right In: -776.517 ± 1446.048 $\chi^2/\text{NDF}: 37.9/27$

Left Out: 1102.204 ± 1126.663 $\chi^2/\text{NDF}: 28.6/24$

Right Out: 1775.559 ± 1319.876 $\chi^2/\text{NDF}: 18.6/30$

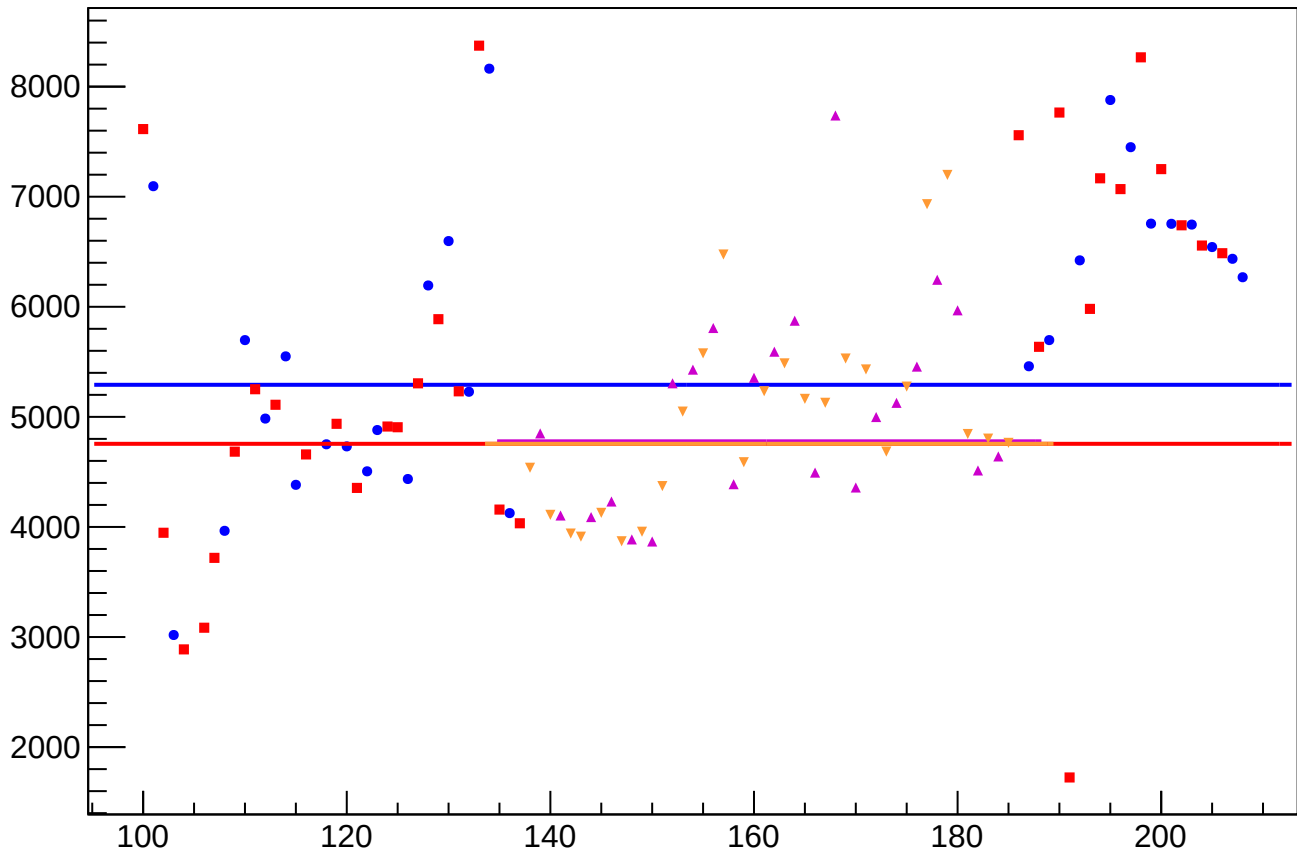
Left In: 158.683 ± 1161.507 $\chi^2/\text{NDF}: 15.5/22$

+ sign 392.534 ± 888.750 $\chi^2/\text{NDF}: 67.5/52$

All: 632.941 ± 622.418 $\chi^2/\text{NDF}: 102.7/106$

- sign 864.346 ± 871.954 $\chi^2/\text{NDF}: 35.0/53$

asym_atr_dd_rms vs Slug



Right In: 5291.355+/-1.023 χ^2/NDF : 1868752.9/27

Left Out: 4755.383+/-0.797 χ^2/NDF : 953328.0/24

Right Out: 4755.213+/-0.930 χ^2/NDF : 3429918.2/30

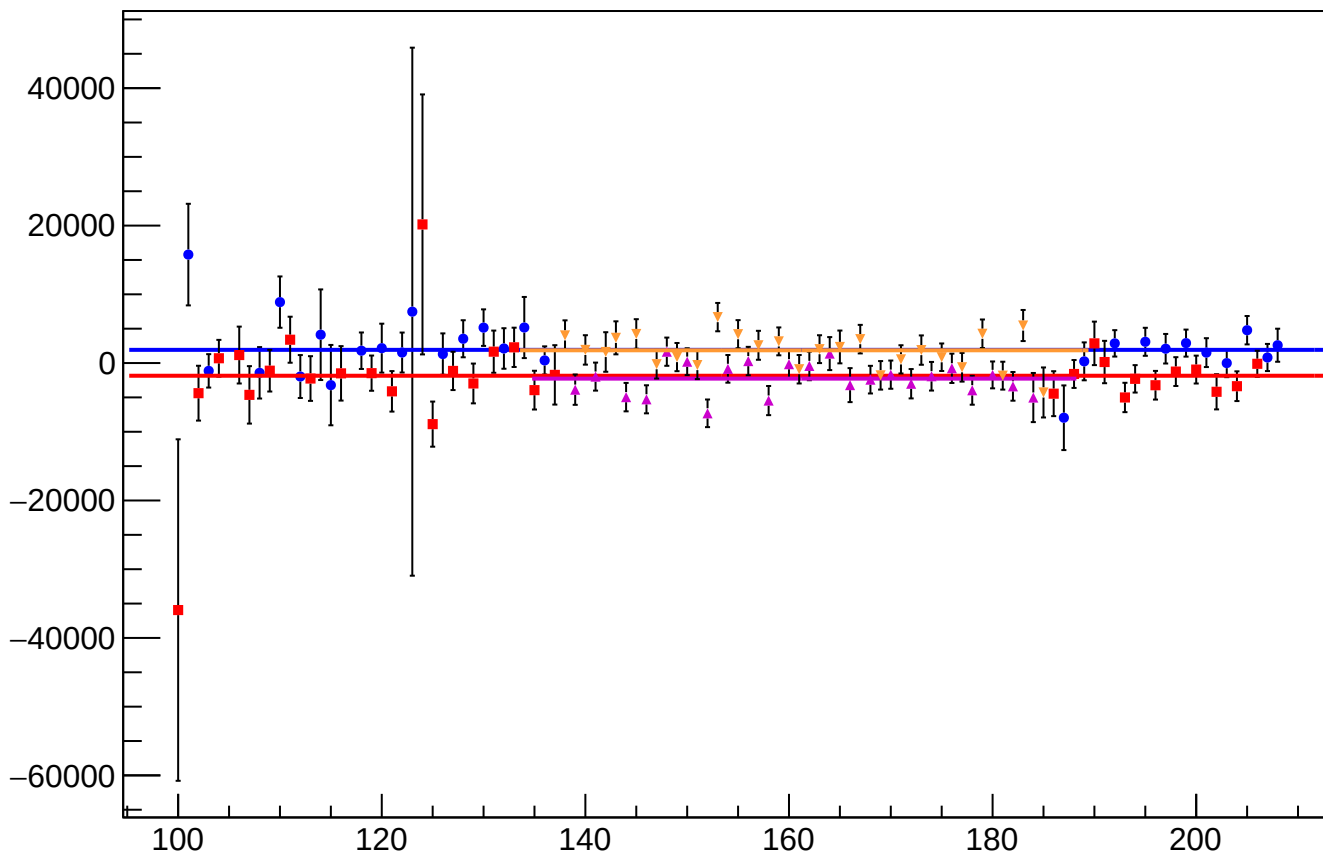
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 4957.842+/-0.628 χ^2/NDF : 2993051.1/52

All: 4860.929+/-0.440 χ^2/NDF : 7420196.6/10

- sign 4767.922+/-0.616 χ^2/NDF : 4380541.7/53

reg_asym_at1_avg_mean vs Slug



Right In: 1919.220+/-505.641 χ^2/NDF : 23.7/27

Left Out: 1856.570+/-430.977 χ^2/NDF :30.0/24

Right Out: -1848.238+/-496.900 χ^2/NDF : 25.8/30

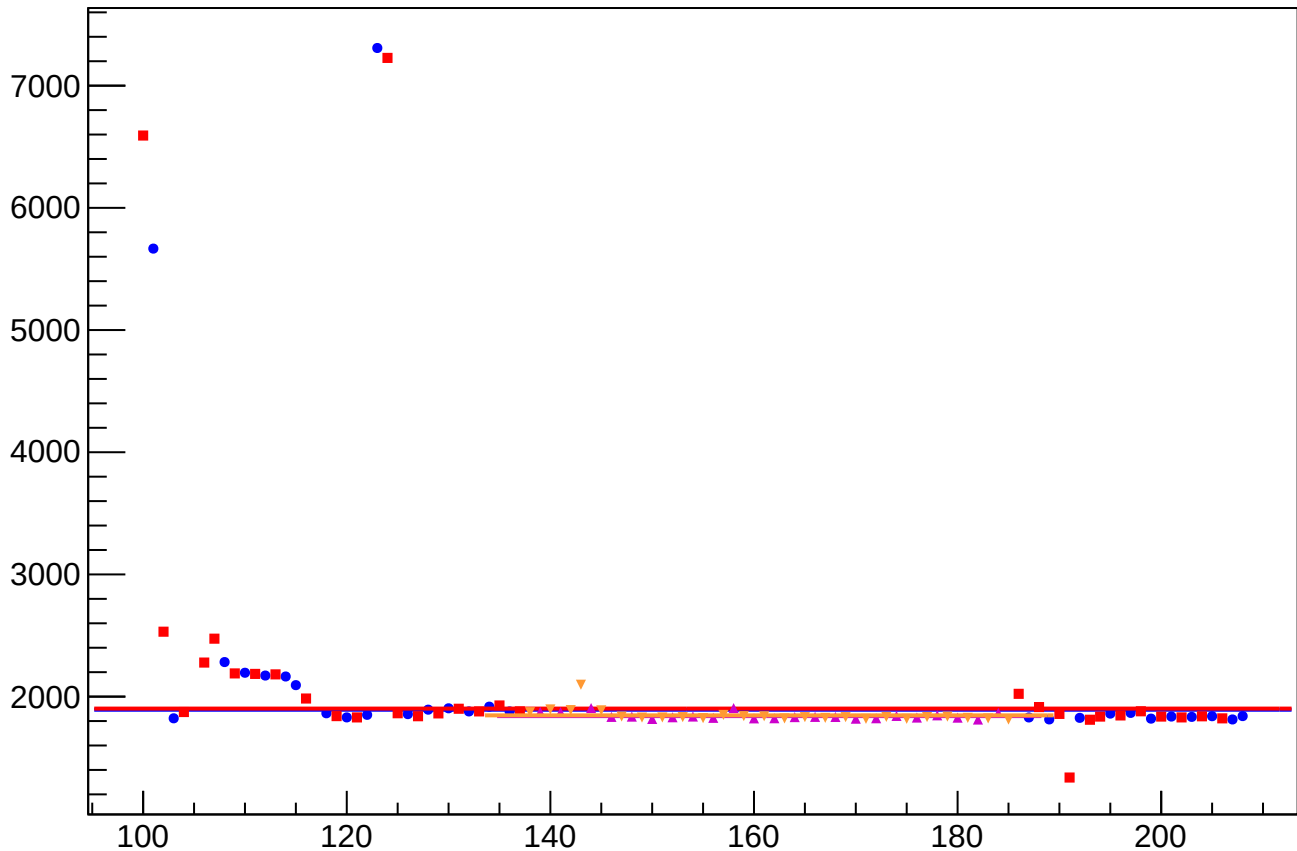
Left In: -2268.464+/-441.710 χ^2/NDF :26.9/22

+ sign 1882.932+/-327.999 χ^2/NDF : 53.7/52

All: -87.174+/-232.681 χ^2/NDF : 179.4/106

- sign -2082.975+/-330.131 χ^2/NDF : 53.1/53

reg_asym_at1_avg_rms vs Slug



Right In: 1892.576+/-0.358 χ^2/NDF : 637670.0/27

Left Out: 1846.602+/-0.305 χ^2/NDF : 27302.8/24

Right Out: 1902.044+/-0.351 χ^2/NDF : 472725.0/30

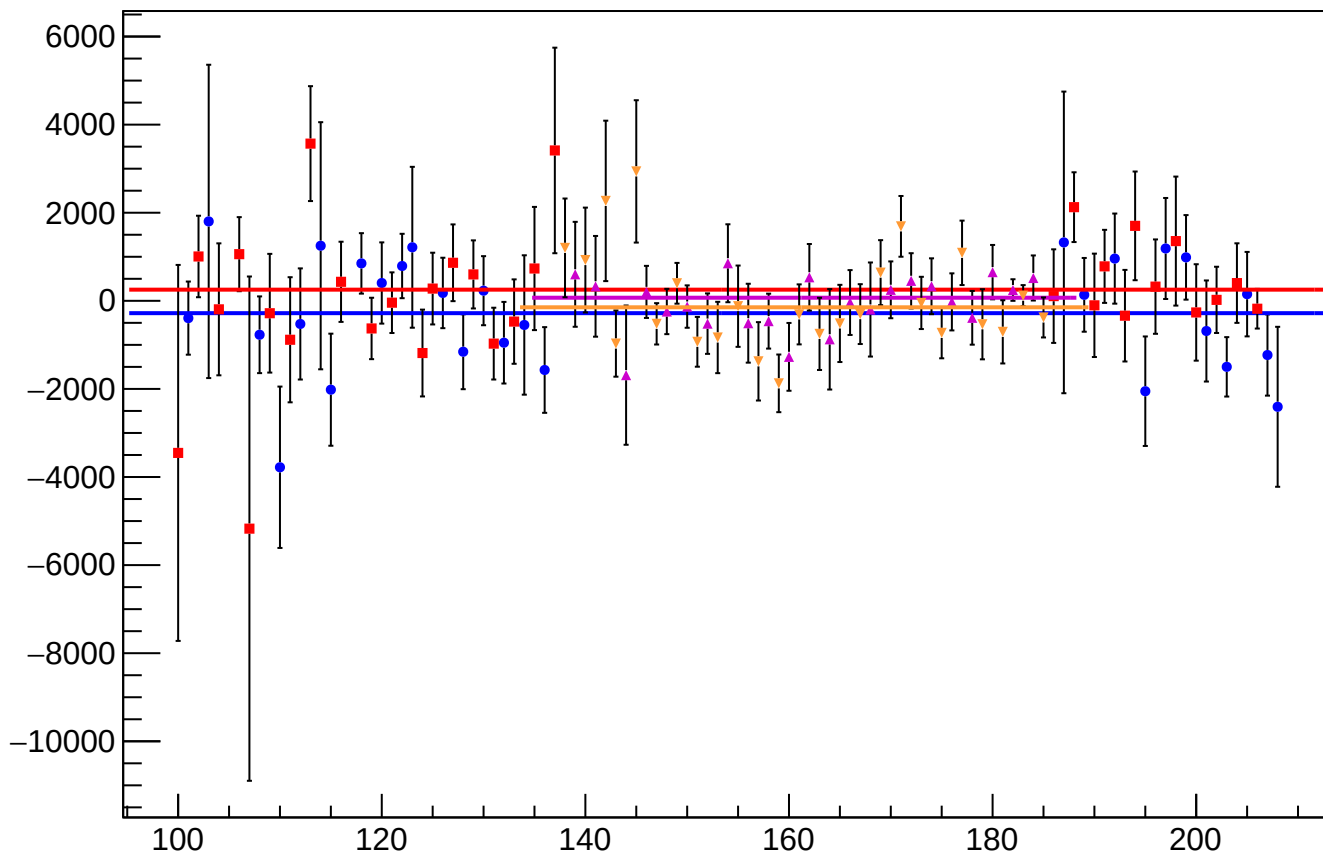
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1865.947+/-0.232 χ^2/NDF : 674549.2/52

All: 1866.812+/-0.165 χ^2/NDF : 1171157.1/10

- sign 1867.689+/-0.233 χ^2/NDF : 496579.9/53

asym_at1_avg_correction_mean vs Slug



Right In: -280.124+/-190.094 χ^2 /NDF: 30.1/27

Left Out: -146.999+/-121.984 χ^2 /NDF:37.7/24

Right Out: 253.487+/-168.342 χ^2 /NDF: 29.7/30

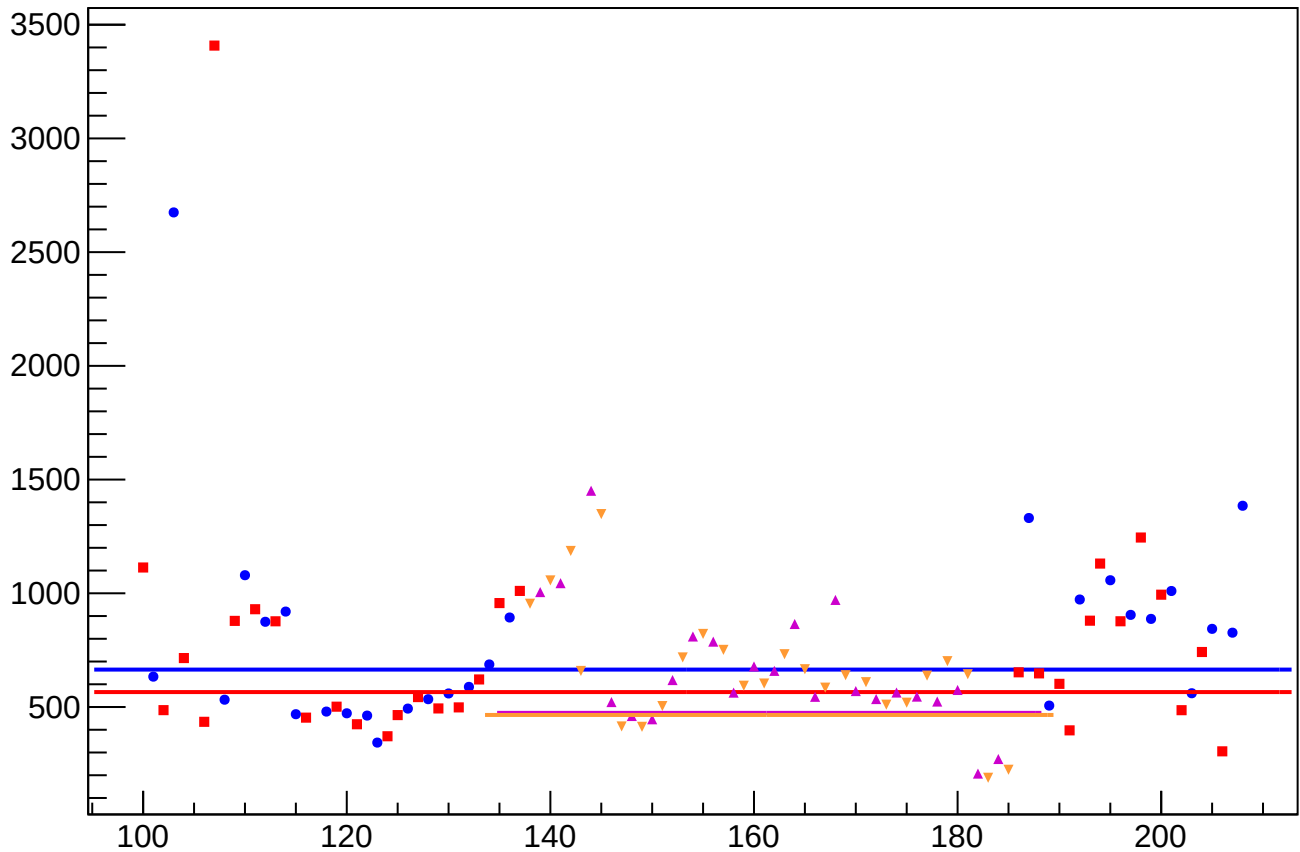
Left In: 70.340+/-126.373 χ^2 /NDF:12.3/22

+ sign -185.828+/-102.664 χ^2 /NDF: 68.1/52

All: -22.209+/-72.022 χ^2 /NDF: 115.8/106

- sign 136.351+/-101.065 χ^2 /NDF: 42.7/53

asym_at1_avg_correction_rms vs Slug



Right In: 664.533+/-0.134 χ^2/NDF : 3055964.4/27

Left Out: 465.080+/-0.086 χ^2/NDF : 7086137.6/24

Right Out: 565.674+/-0.119 χ^2/NDF : 3866401.1/30

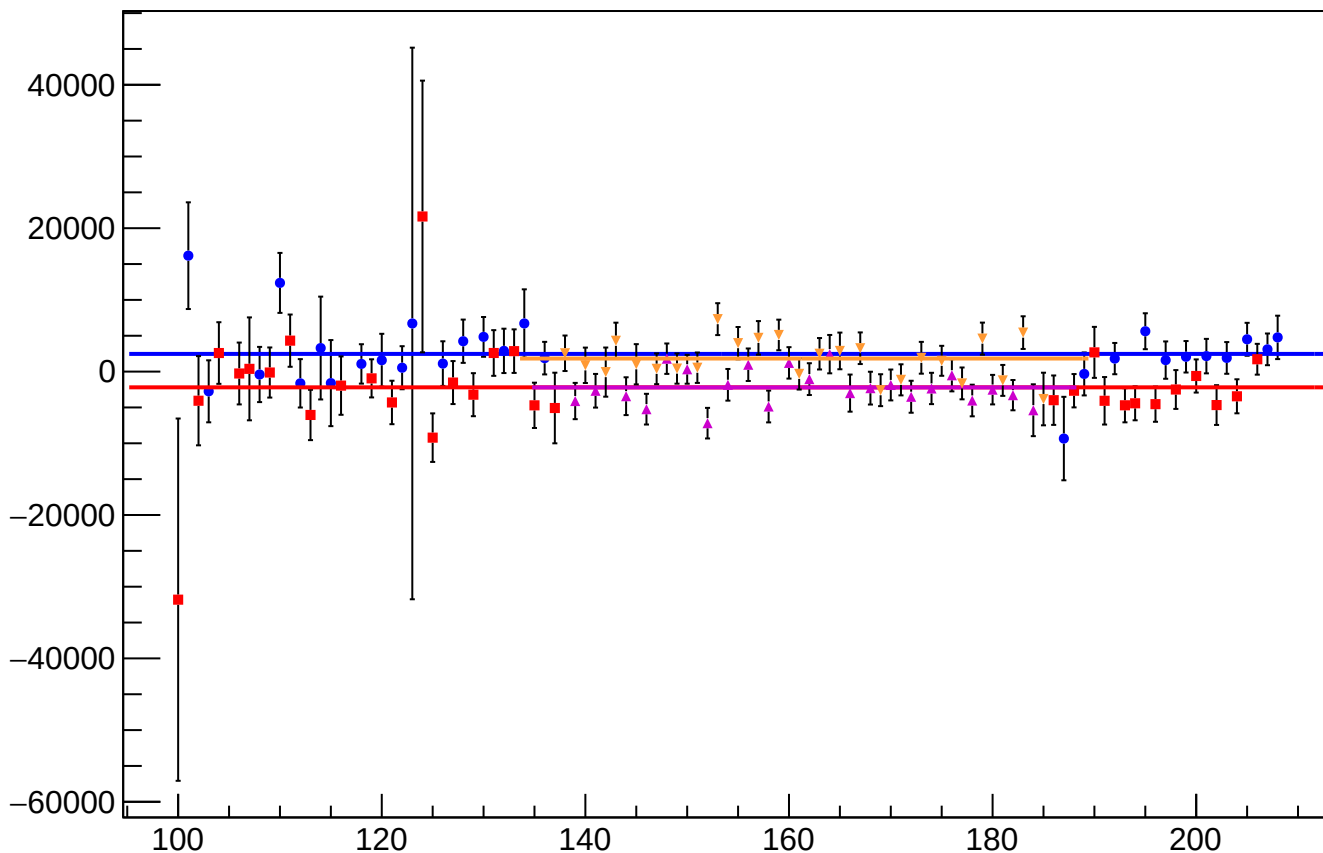
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 523.256+/-0.073 χ^2/NDF : 11701664.7/52

All: 515.107+/-0.051 χ^2/NDF : 22143152.1/100

- sign 507.210+/-0.071 χ^2/NDF : 10416675.9/53

asym_at1_avg_mean vs Slug



Right In: 2466.773+/-569.759 χ^2/NDF : 24.2/27

Left Out: 1824.066+/-462.694 χ^2/NDF : 32.1/24

Right Out: -2195.393+/-561.482 χ^2/NDF : 30.8/30

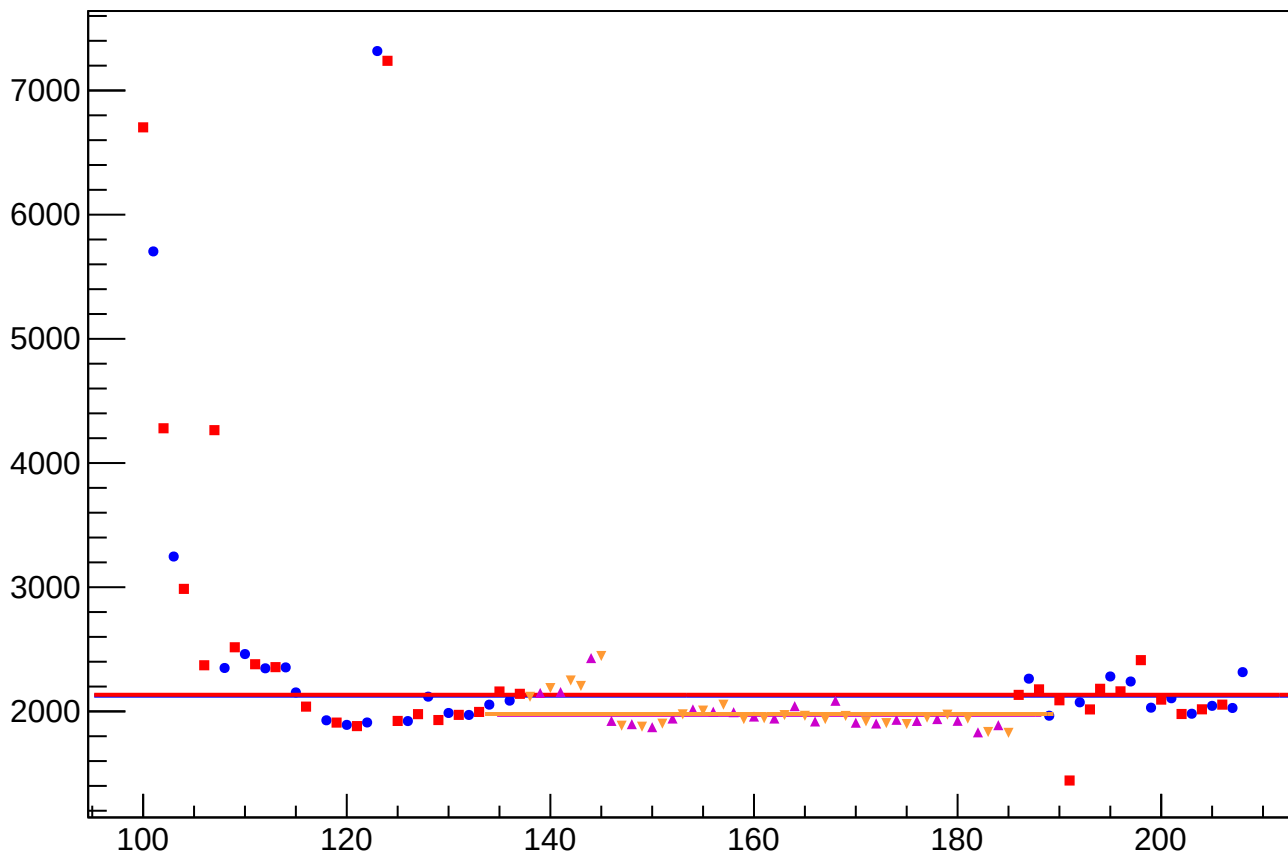
Left In: -2208.114+/-474.050 χ^2/NDF : 25.3/22

+ sign 2079.480+/-359.176 χ^2/NDF : 57.0/52

All: -43.617+/-255.044 χ^2/NDF : 183.7/106

- sign -2202.820+/-362.217 χ^2/NDF : 56.2/53

asym_at1_avg_rms vs Slug



Right In: 2126.547 $\pm$ 0.403 χ^2 /NDF: 758503.1/27

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

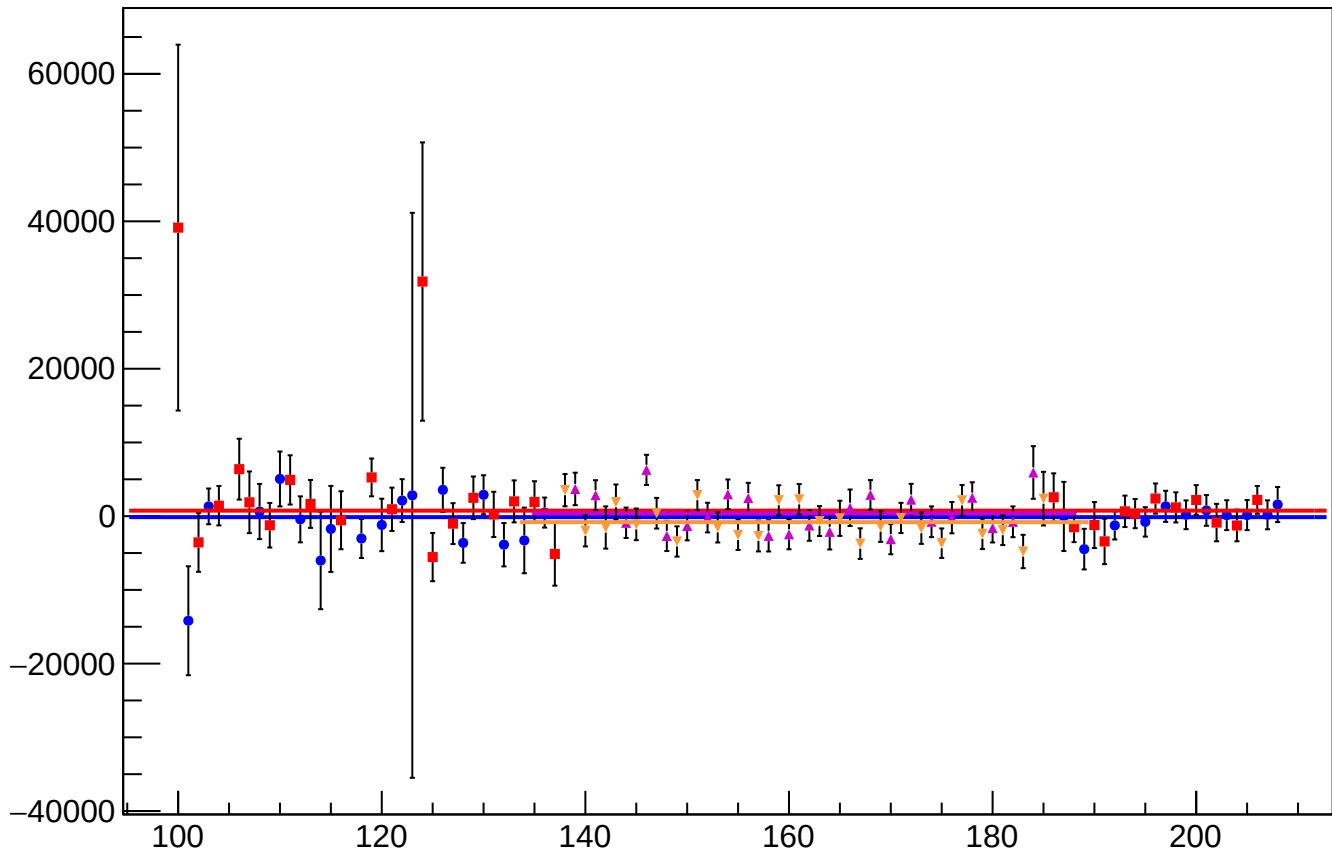
Left In: 1972.166 $\pm$ 0.335 χ^2 /NDF:116452.5/22

+ sign 2037.634 $\pm$ 0.254 χ^2 /NDF: 978628.3/52

All: 2038.560 $\pm$ 0.180 χ^2 /NDF: 2133611.0/10

- sign 2039.503 $\pm$ 0.256 χ^2 /NDF: 1154955.9/53

reg_asym_at1_dd_mean vs Slug



Right In: -131.148 $\pm$ 502.277 χ^2 /NDF: 19.7/27

Left Out: -808.436 $\pm$ 430.304 χ^2 /NDF: 27.9/24

Right Out: 749.550 $\pm$ 493.525 χ^2 /NDF: 27.2/30

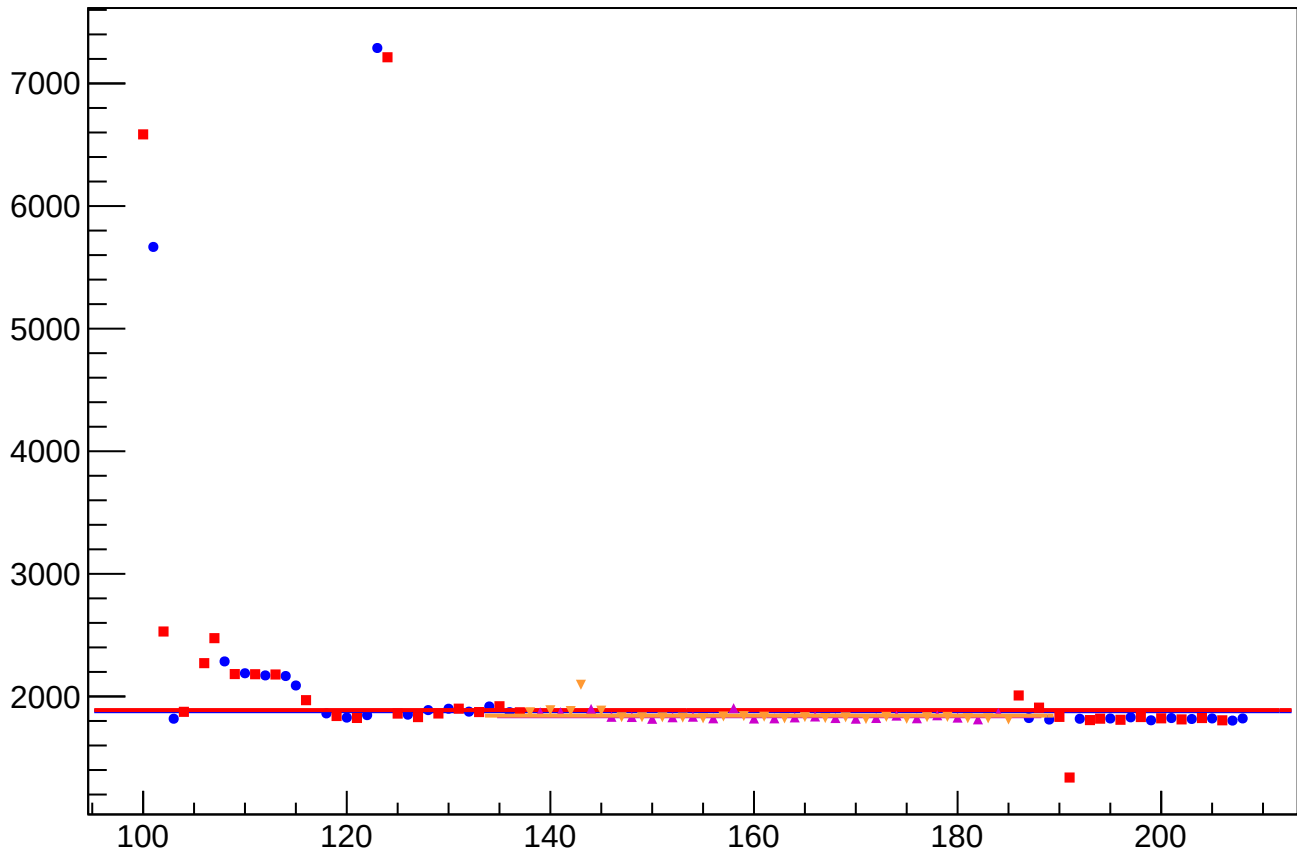
Left In: 398.797 $\pm$ 441.246 χ^2 /NDF: 34.4/22

+ sign -521.753 $\pm$ 326.781 χ^2 /NDF: 48.6/52

All: 12.883 $\pm$ 231.830 χ^2 /NDF: 115.9/106

- sign 554.618 $\pm$ 328.944 χ^2 /NDF: 61.9/53

reg_asym_at1_dd_rms vs Slug



Right In: 1879.685 $\pm$ 0.355 χ^2 /NDF: 647193.2/27

Left Out: 1843.747 $\pm$ 0.304 χ^2 /NDF: 26867.4/24

Right Out: 1888.911 $\pm$ 0.349 χ^2 /NDF: 480101.5/30

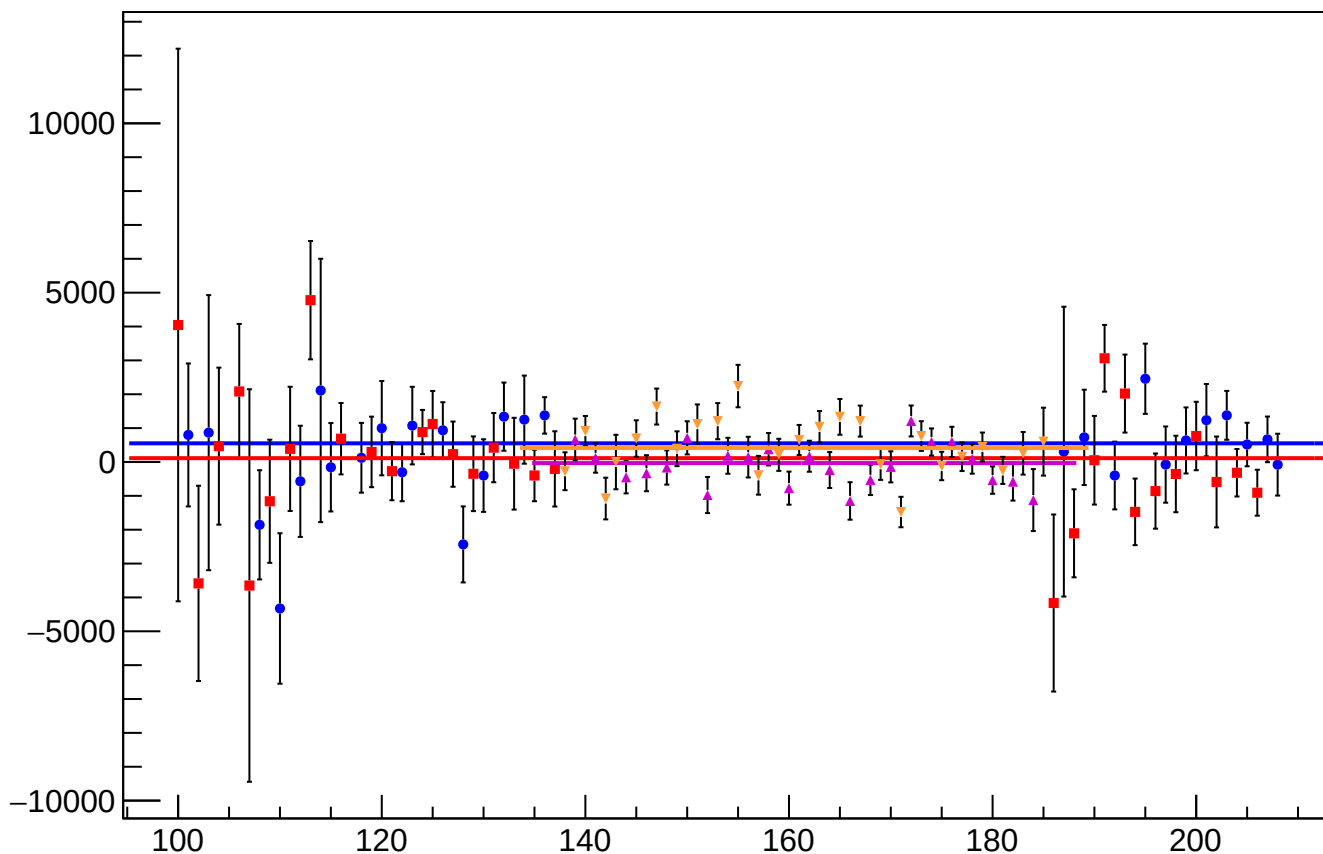
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1858.959 $\pm$ 0.231 χ^2 /NDF: 679965.6/52

All: 1859.951 $\pm$ 0.164 χ^2 /NDF: 1177985.2/10

- sign 1860.957 $\pm$ 0.233 χ^2 /NDF: 497982.4/53

asym_at1_dd_correction_mean vs Slug



Right In: 550.664 $\pm$ 193.983 χ^2 /NDF: 27.6/27

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

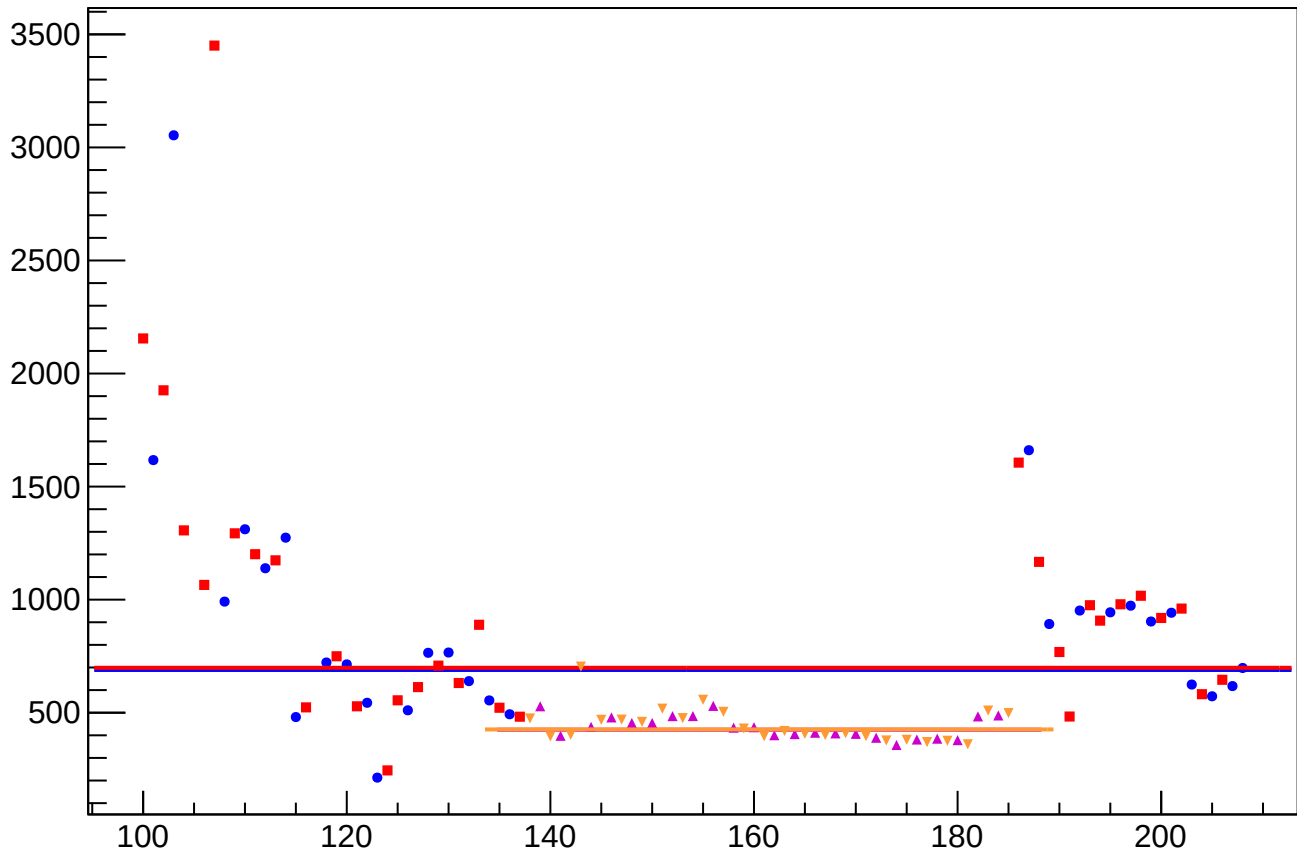
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 440.591 $\pm$ 89.204 χ^2 /NDF: 89.2/52

All: 223.666 $\pm$ 63.686 χ^2 /NDF: 173.4/106

- sign -1.851 $\pm$ 90.954 χ^2 /NDF: 72.1/53

asym_at1_dd_correction_rms vs Slug



Right In: 689.018 $\pm$ 0.137 χ^2 /NDF: 3191435.6/27

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

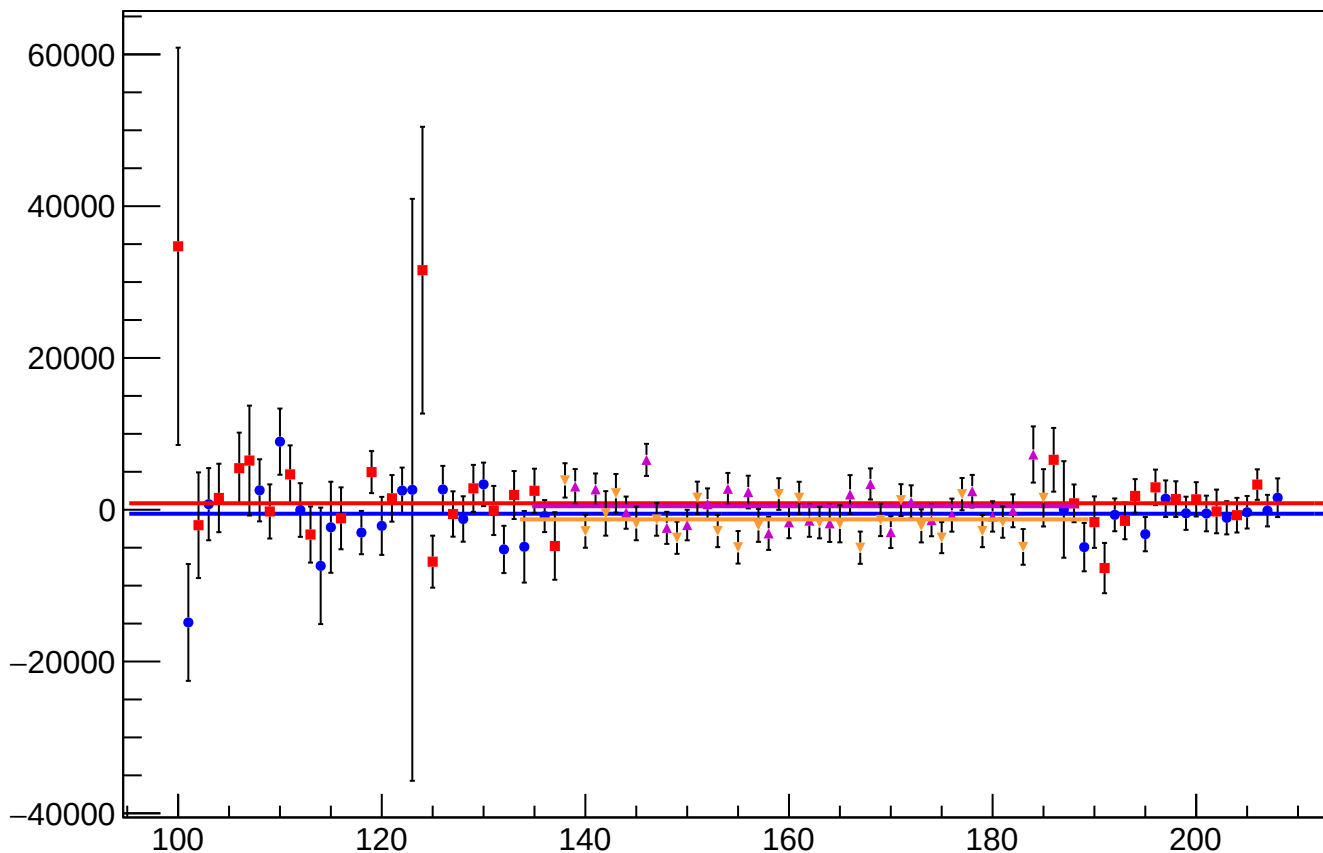
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 481.642 $\pm$ 0.063 χ^2 /NDF: 6823213.1/52

All: 482.054 $\pm$ 0.045 χ^2 /NDF: 14558597.2/10

- sign 482.484 $\pm$ 0.064 χ^2 /NDF: 7735296.7/53

asym_at1_dd_mean vs Slug



Right In: -526.258 ± 557.707 χ^2/NDF : 22.6/27

Left Out: -1267.885 ± 443.219 χ^2/NDF : 30.8/24

Right Out: 852.763 ± 558.051 χ^2/NDF : 31.8/30

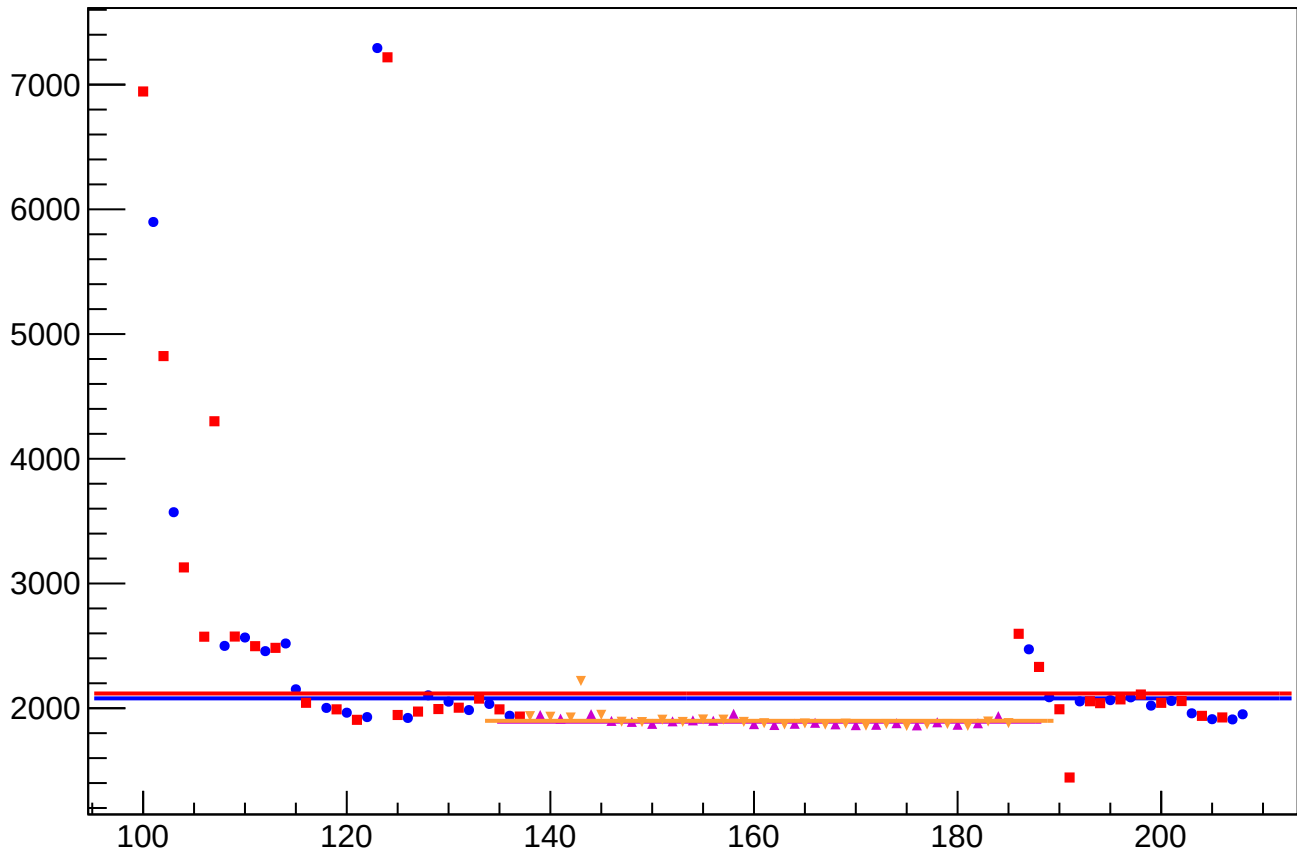
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -980.805 ± 346.988 χ^2/NDF : 54.5/52

All: -193.225 ± 247.163 χ^2/NDF : 129.6/106

- sign 617.965 ± 352.151 χ^2/NDF : 64.7/53

asym_at1_dd_rms vs Slug



Right In: 2078.881+/-0.394 χ^2/NDF : 873143.6/27

Left Out: 1898.962+/-0.313 χ^2/NDF : 38680.4/24

Right Out: 2118.080+/-0.395 χ^2/NDF : 1090972.8/30

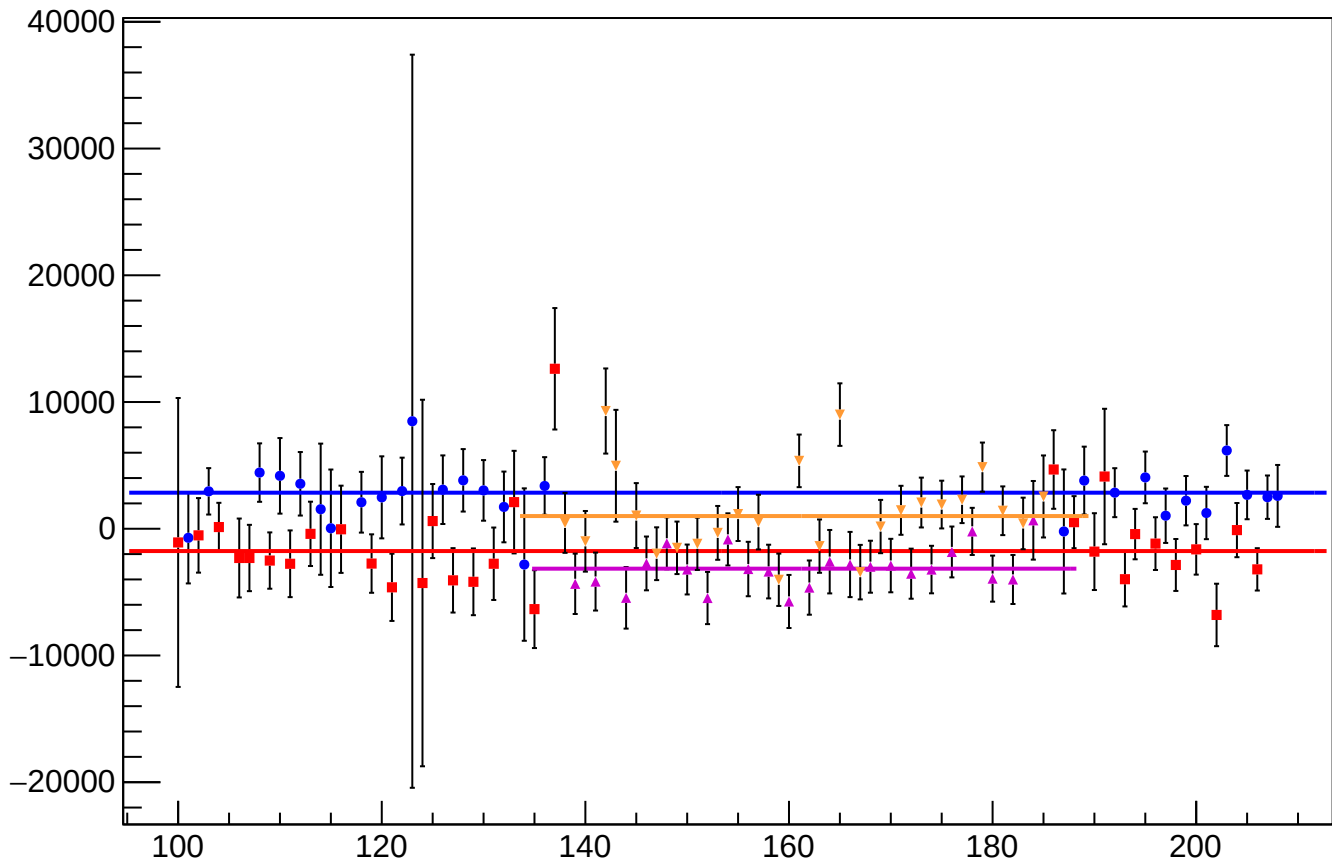
Left In: 1891.693+/-0.321 χ^2/NDF : 7420.7/22

+ sign 1968.607+/-0.245 χ^2/NDF : 1039399.4/52

All: 1975.127+/-0.175 χ^2/NDF : 2337303.1/10

- sign 1981.842+/-0.249 χ^2/NDF : 1296470.5/53

reg_asym_at2_avg_mean vs Slug



Right In: 2844.929 $\pm$ 466.622 χ^2 /NDF: 8.7/27

Left Out: 1001.263 $\pm$ 435.247 χ^2 /NDF: 44.6/24

Right Out: -1760.528 $\pm$ 459.596 χ^2 /NDF: 32.2/30

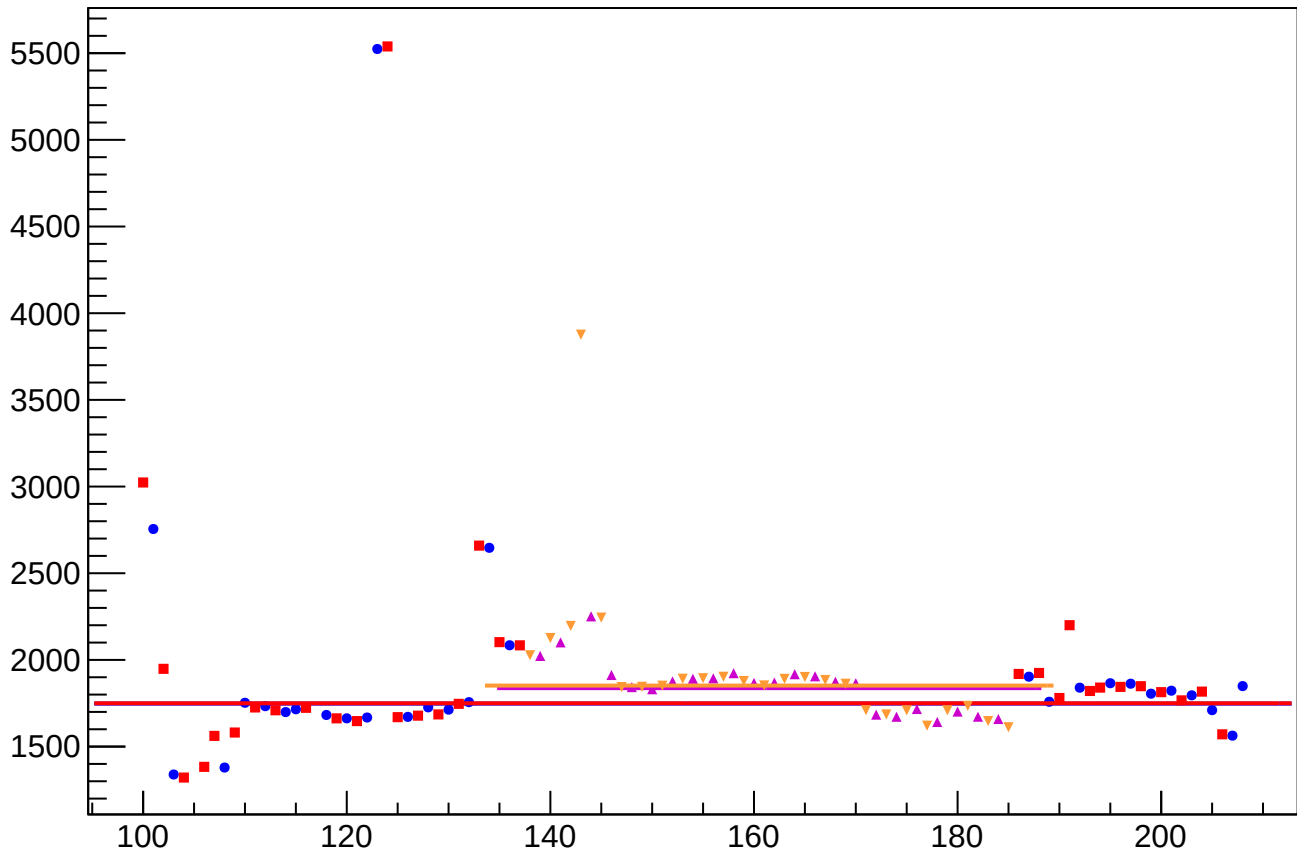
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF: 11.8/22

+ sign 1859.035 $\pm$ 318.280 χ^2 /NDF: 61.7/52

All: -312.594 $\pm$ 225.051 χ^2 /NDF: 203.6/106

- sign -2483.942 $\pm$ 318.260 χ^2 /NDF: 48.8/53

reg_asym_at2_avg_rms vs Slug



Right In: 1747.872 $\pm$ 0.330 χ^2 /NDF: 489295.9/27

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1749.785 $\pm$ 0.325 χ^2 /NDF: 546654.9/30

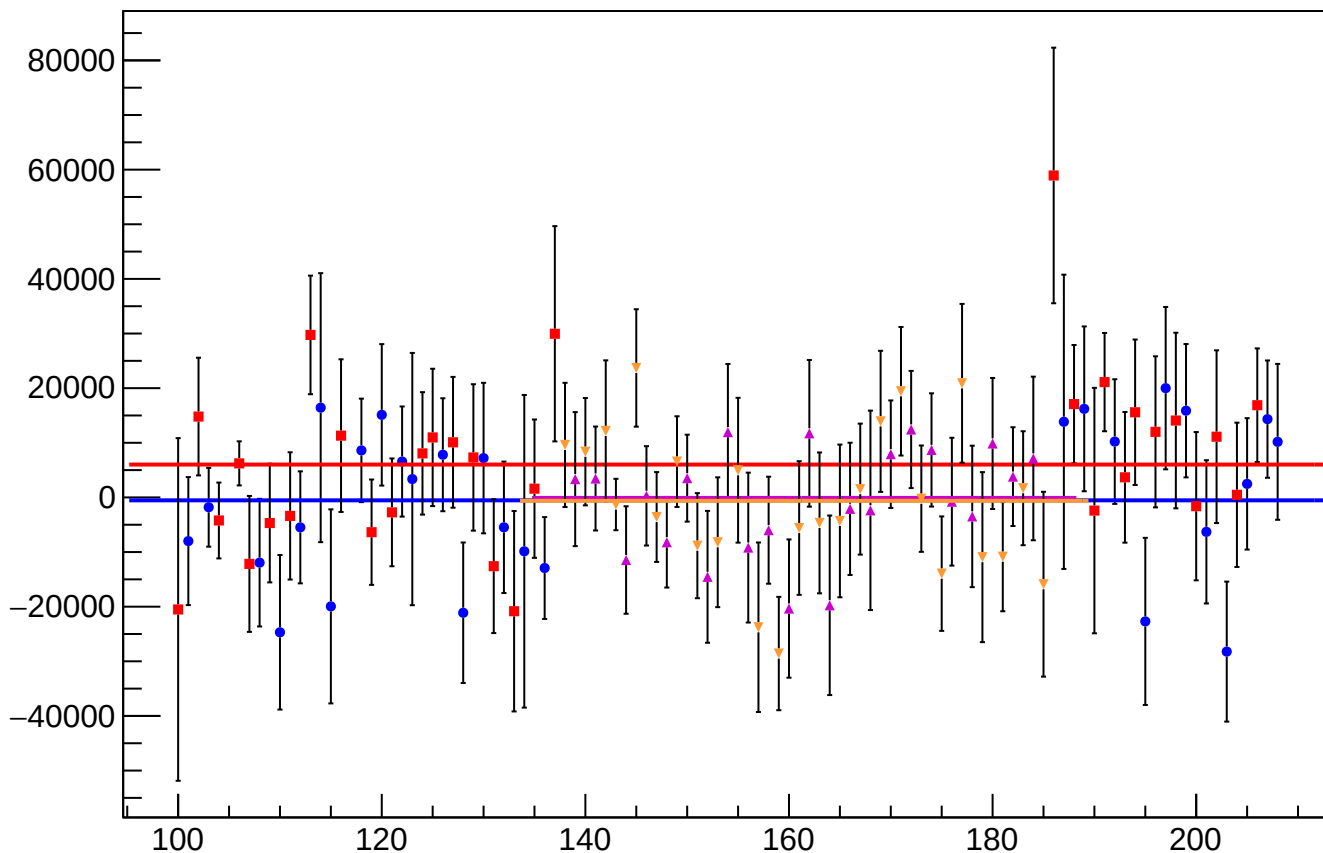
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1803.532 $\pm$ 0.225 χ^2 /NDF: 1191465.7/52

All: 1799.394 $\pm$ 0.159 χ^2 /NDF: 1976926.0/10

- sign 1795.256 $\pm$ 0.225 χ^2 /NDF: 784784.2/53

asym_at2_avg_correction_mean vs Slug



Right In: -533.759+/-2333.478 χ^2/NDF : 30.3/27

Left Out: -619.372+/-2069.686 χ^2/NDF : 30.1/24

Right Out: 6016.792+/-1942.747 χ^2/NDF : 32.8/30

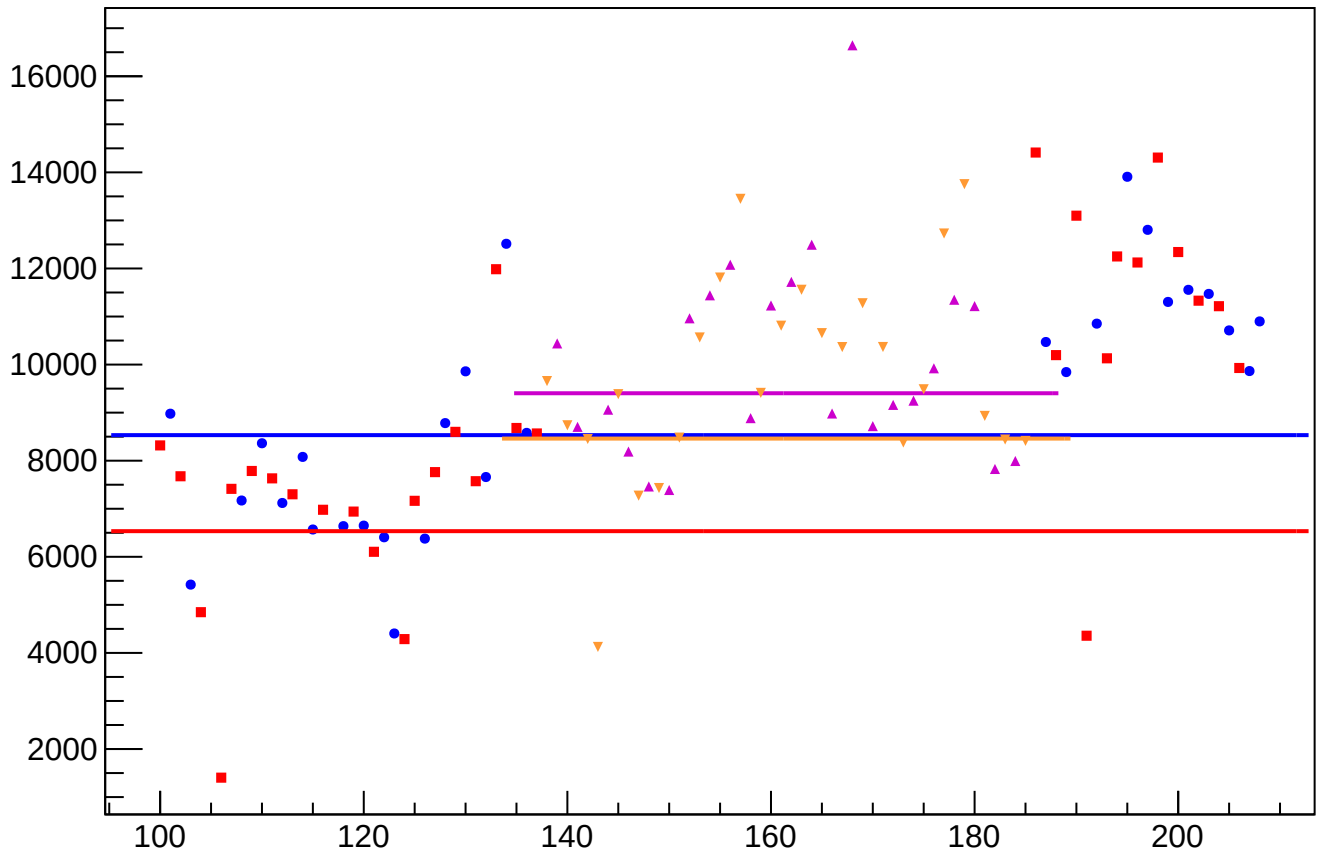
Left In: -93.334+/-2293.826 χ^2/NDF : 14.6/22

+ sign -581.676+/-1548.390 χ^2/NDF : 60.5/52

All: 1529.409+/-1070.817 χ^2/NDF : 115.6/106

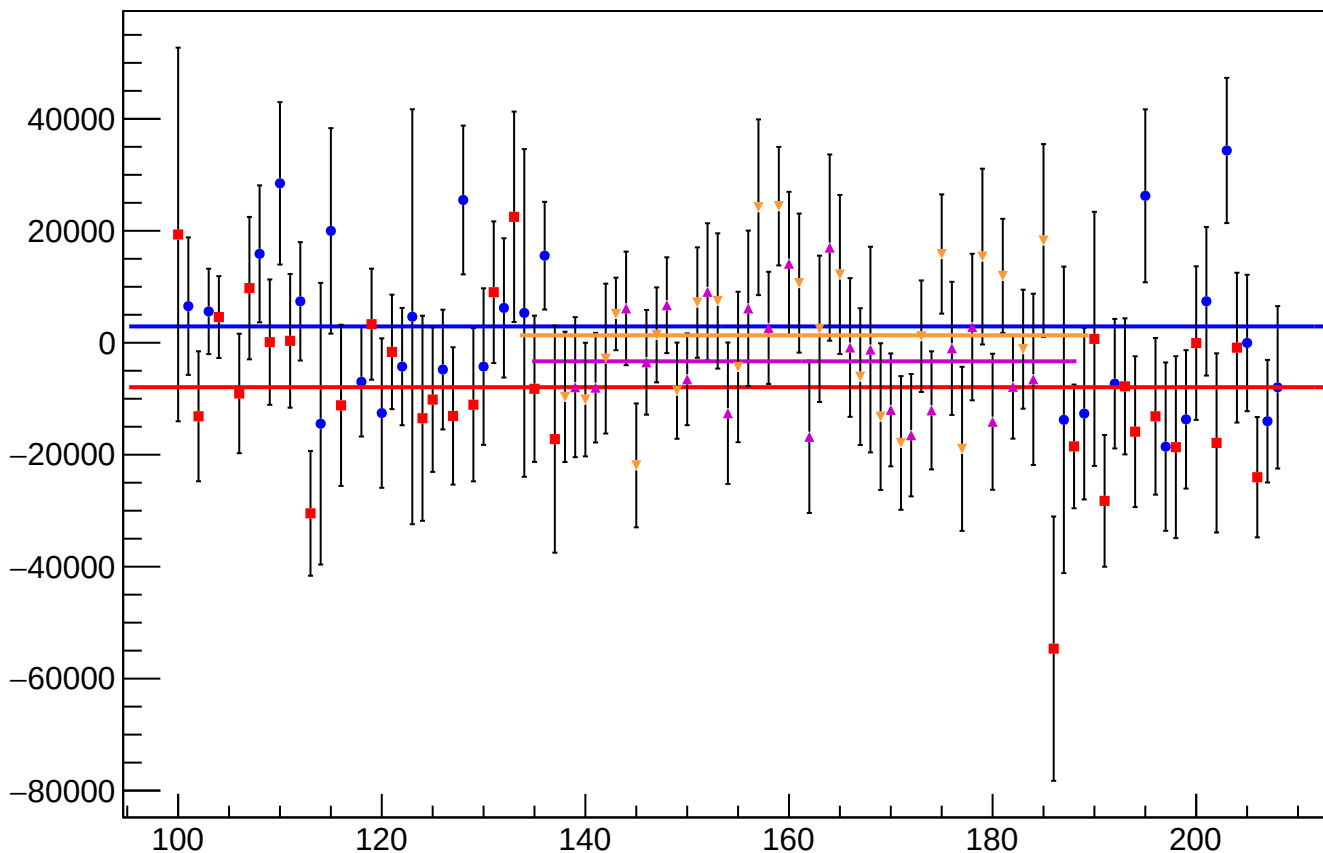
- sign 3464.613+/-1482.487 χ^2/NDF : 51.6/53

asym_at2_avg_correction_rms vs Slug



Right In: 8531.998+/-1.650	χ^2/NDF : 1882432.2/27	+ sign 8491.679+/-1.095	χ^2/NDF : 4970699.5/52
Left Out: 8459.960+/-1.463	χ^2/NDF : 3087200.5/24	All: 8095.517+/-0.757	χ^2/NDF : 15169874.6/1
Right Out: 6533.635+/-1.374	χ^2/NDF : 6982637.3/30	- sign 7732.360+/-1.048	χ^2/NDF : 9948237.4/53
Left In: 9403.481+/-1.622	χ^2/NDF : 1142646.9/22		

asym_at2_avg_mean vs Slug



Right In: 2920.122+/-2409.038 χ^2/NDF : 31.6/27

Left Out: 1332.828+/-2213.733 χ^2/NDF : 28.0/24

Right Out: -7936.906+/-2283.881 χ^2/NDF : 29.6/30

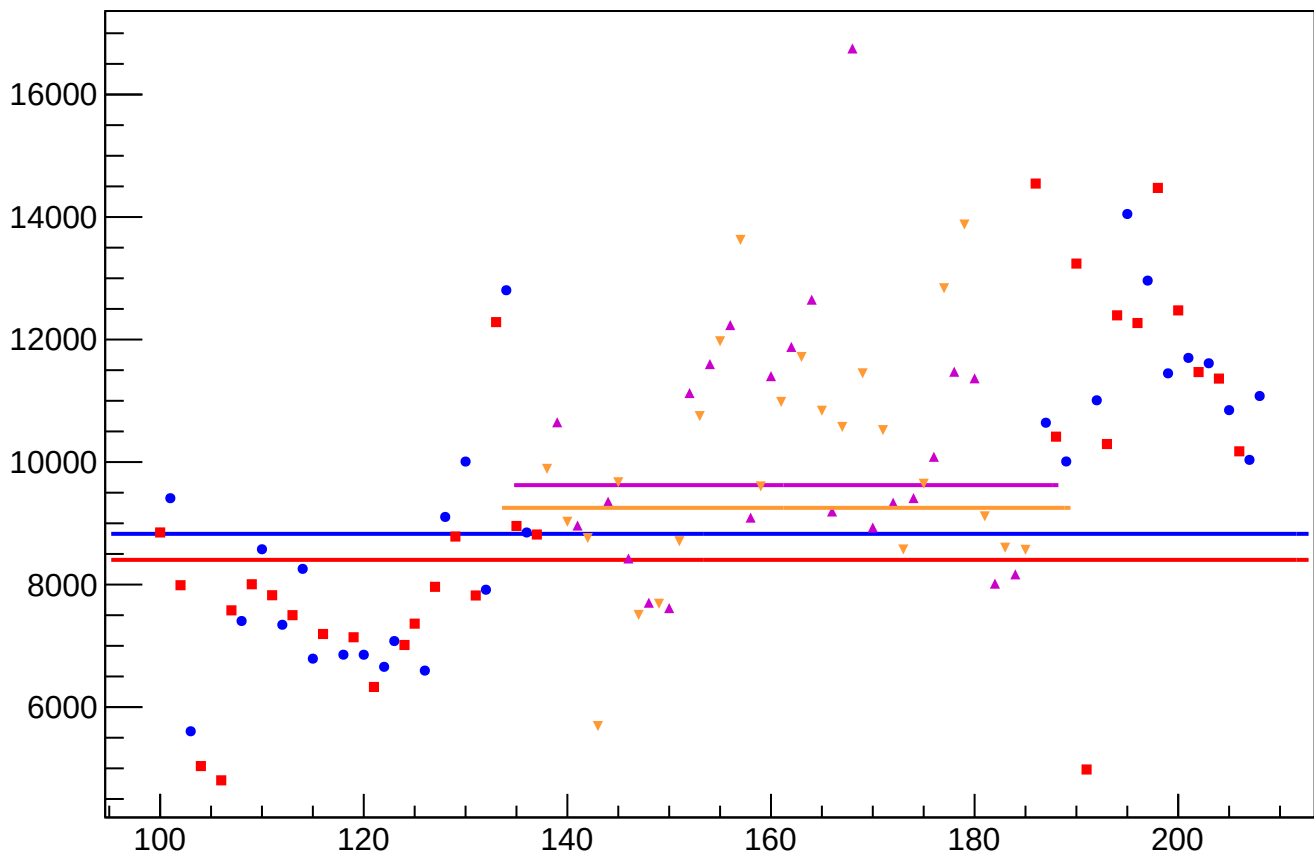
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 2059.534+/-1630.025 χ^2/NDF : 59.9/52

All: -1799.849+/-1154.699 χ^2/NDF : 116.5/10

- sign -5687.449+/-1635.973 χ^2/NDF : 45.4/53

asym_at2_avg_rms vs Slug



Right In: 8828.297+/-1.703 χ^2/NDF : 1694885.6/27

Left Out: 9252.712+/-1.565 χ^2/NDF :1597668.9/24

Right Out: 8403.499+/-1.615 χ^2/NDF : 2455421.7/30

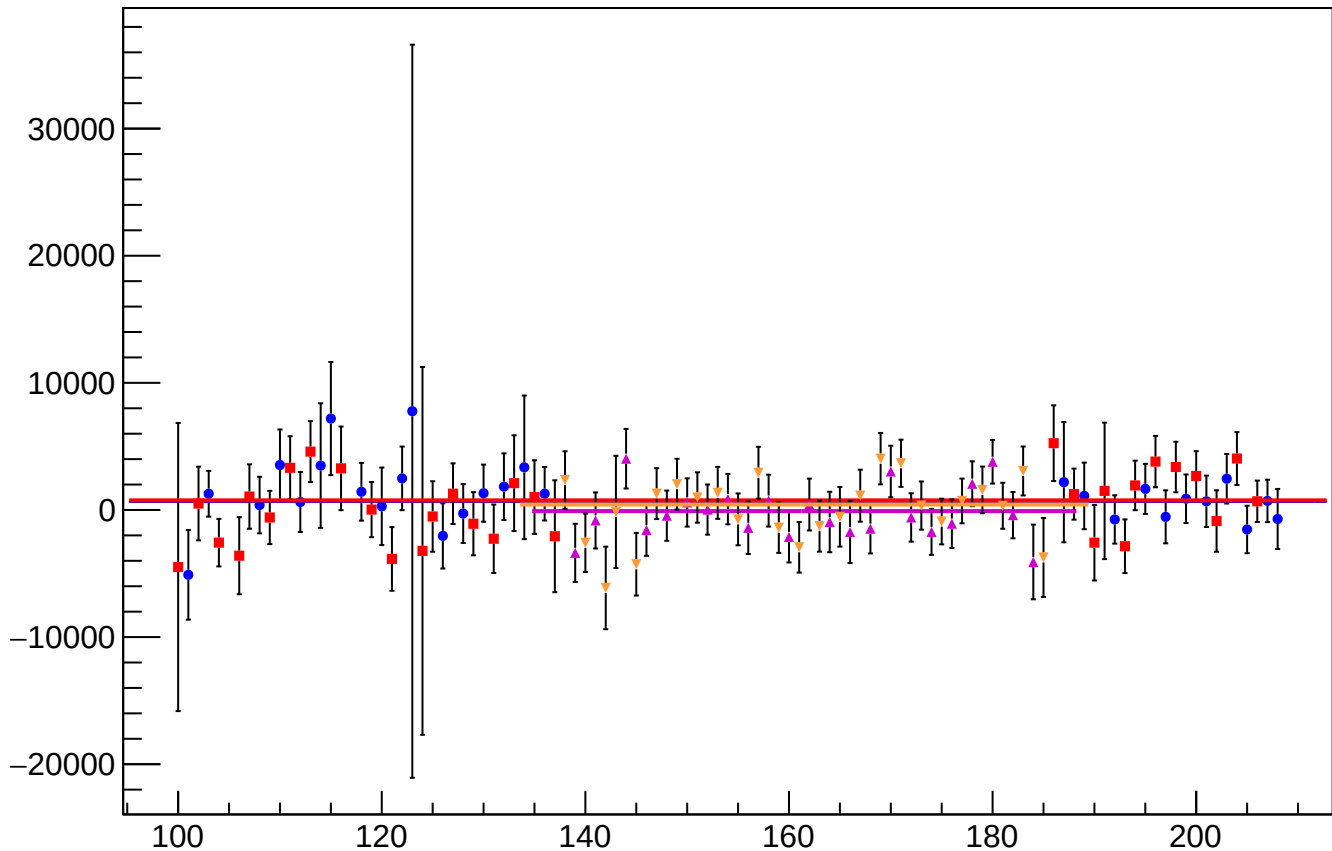
Left In: 9623.485+/-1.658 χ^2/NDF :1069924.0/22

+ sign 9058.400+/-1.153 χ^2/NDF : 3326211.1/52

All: 9028.030+/-0.816 χ^2/NDF : 7130841.0/10

- sign 8997.441+/-1.157 χ^2/NDF : 3803236.3/53

reg_asym_at2_dd_mean vs Slug



Right In: 708.663 ± 449.259 χ^2/NDF : 12.8/27

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 755.150 ± 442.961 χ^2/NDF : 31.1/30

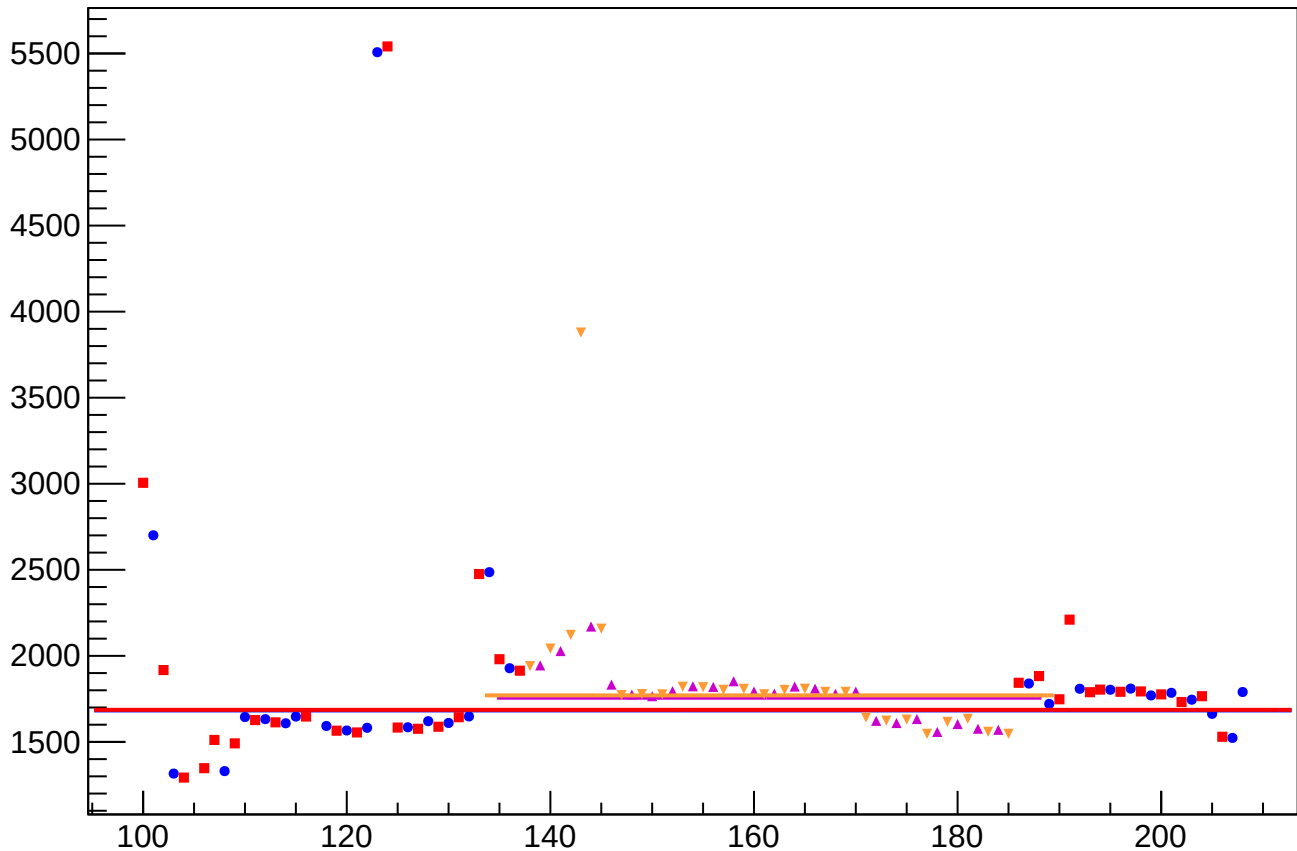
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 558.464 ± 305.387 χ^2/NDF : 41.7/52

All: 435.745 ± 215.990 χ^2/NDF : 96.0/106

- sign 312.917 ± 305.524 χ^2/NDF : 54.0/53

reg_asym_at2_dd_rms vs Slug



Right In: 1683.025+/-0.318 χ^2 /NDF: 480736.2/27

Left Out: 1770.384+/-0.294 χ^2 /NDF: 699536.9/24

Right Out: 1686.289+/-0.313 χ^2 /NDF: 555668.3/30

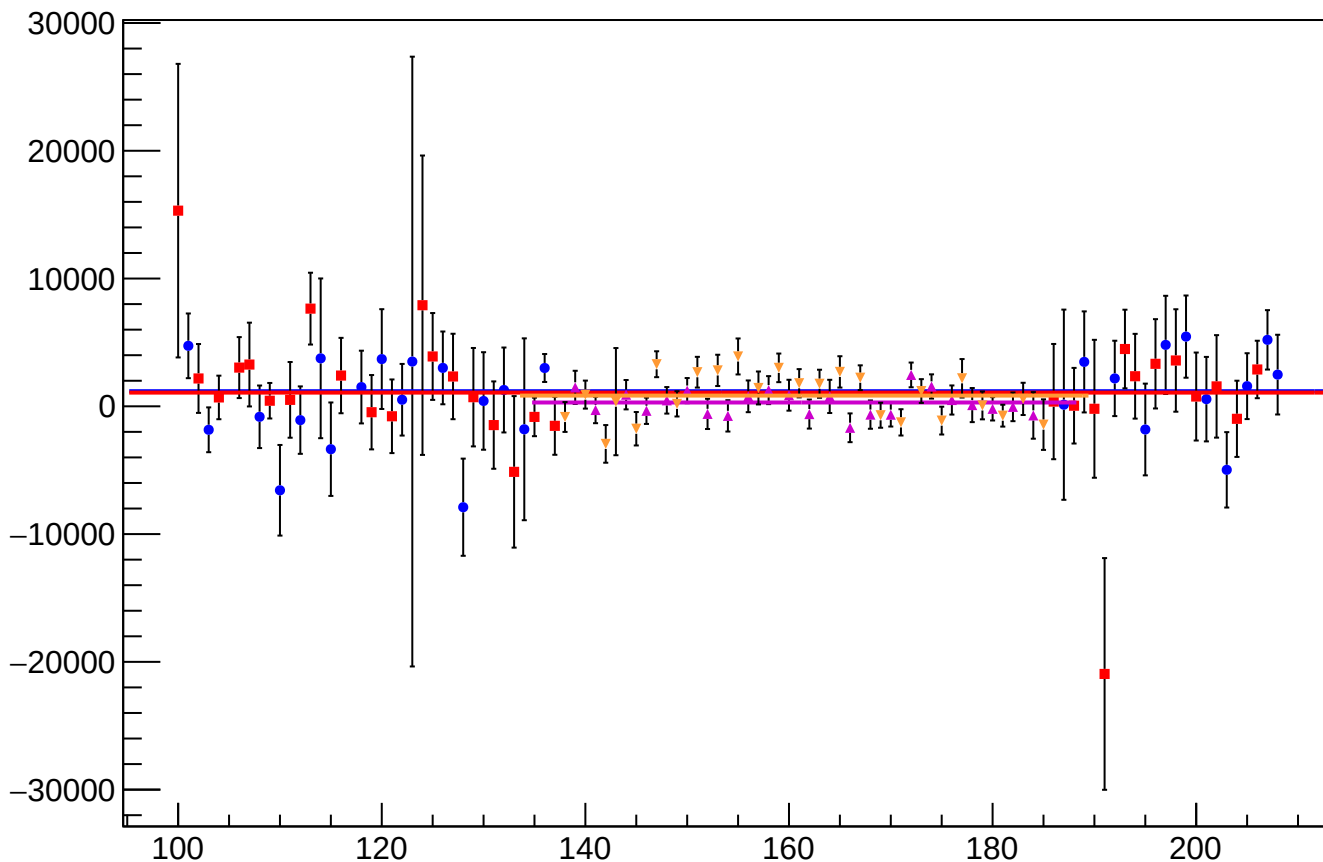
Left In: 1756.623+/-0.298 χ^2 /NDF: 223077.6/22

+ sign 1730.018+/-0.216 χ^2 /NDF: 1220952.8/52

All: 1726.592+/-0.153 χ^2 /NDF: 2026637.6/10

- sign 1723.163+/-0.216 χ^2 /NDF: 805181.2/53

asym_at2_dd_correction_mean vs Slug



Right In: 1183.023+/-528.444 χ^2/NDF : 33.8/27

Left Out: 839.344+/-230.465 χ^2/NDF : 54.4/24

Right Out: 1072.707+/-507.978 χ^2/NDF : 24.7/30

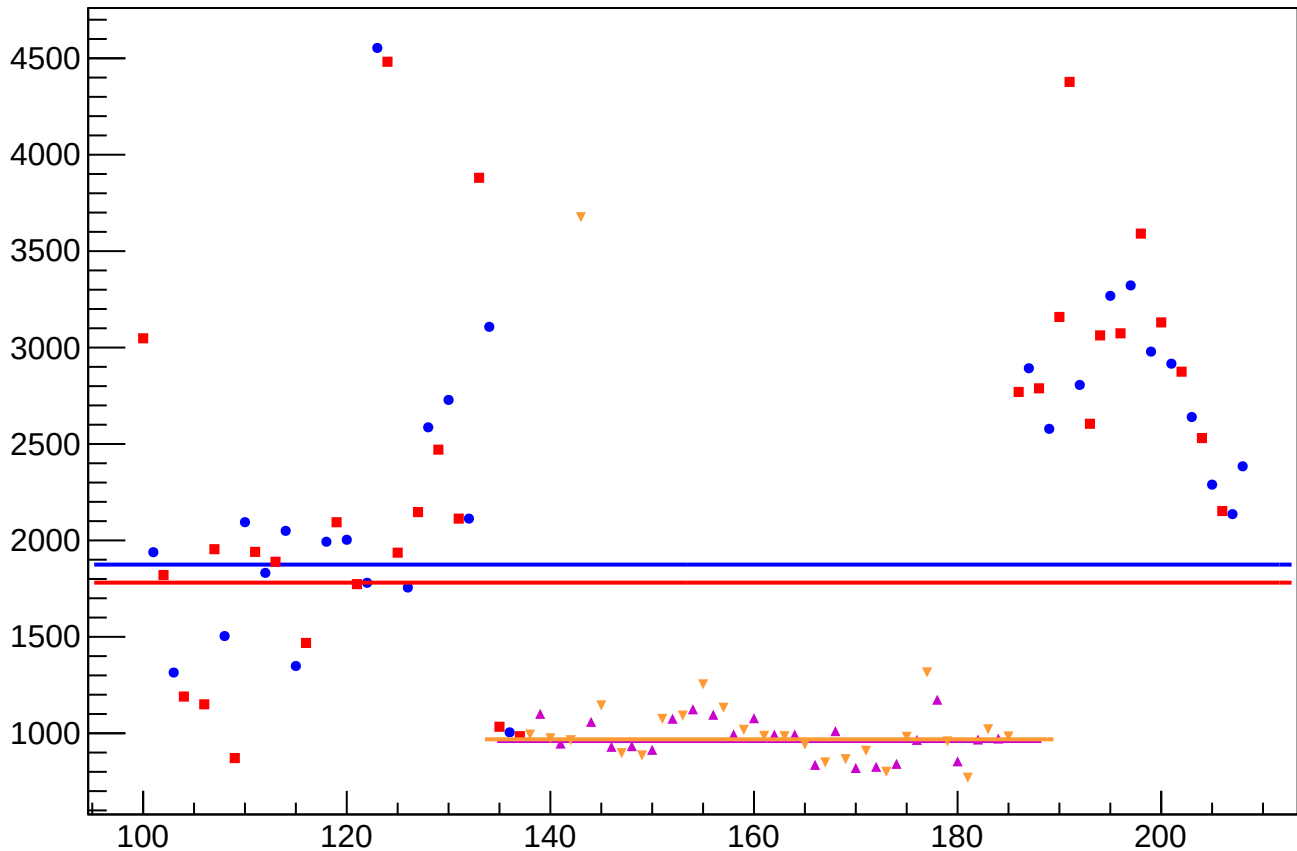
Left In: 298.801+/-231.400 χ^2/NDF : 18.3/22

+ sign 894.266+/-211.249 χ^2/NDF : 88.5/52

All: 662.297+/-149.139 χ^2/NDF : 135.9/106

- sign 431.796+/-210.580 χ^2/NDF : 44.9/53

asym_at2_dd_correction_rms vs Slug



Right In: 1874.589+/-0.374 χ^2/NDF : 3429988.7/27

Left Out: 968.712+/-0.163 χ^2/NDF : 1393696.6/24

+ sign 1113.476+/-0.149 χ^2/NDF : 9761670.6/52

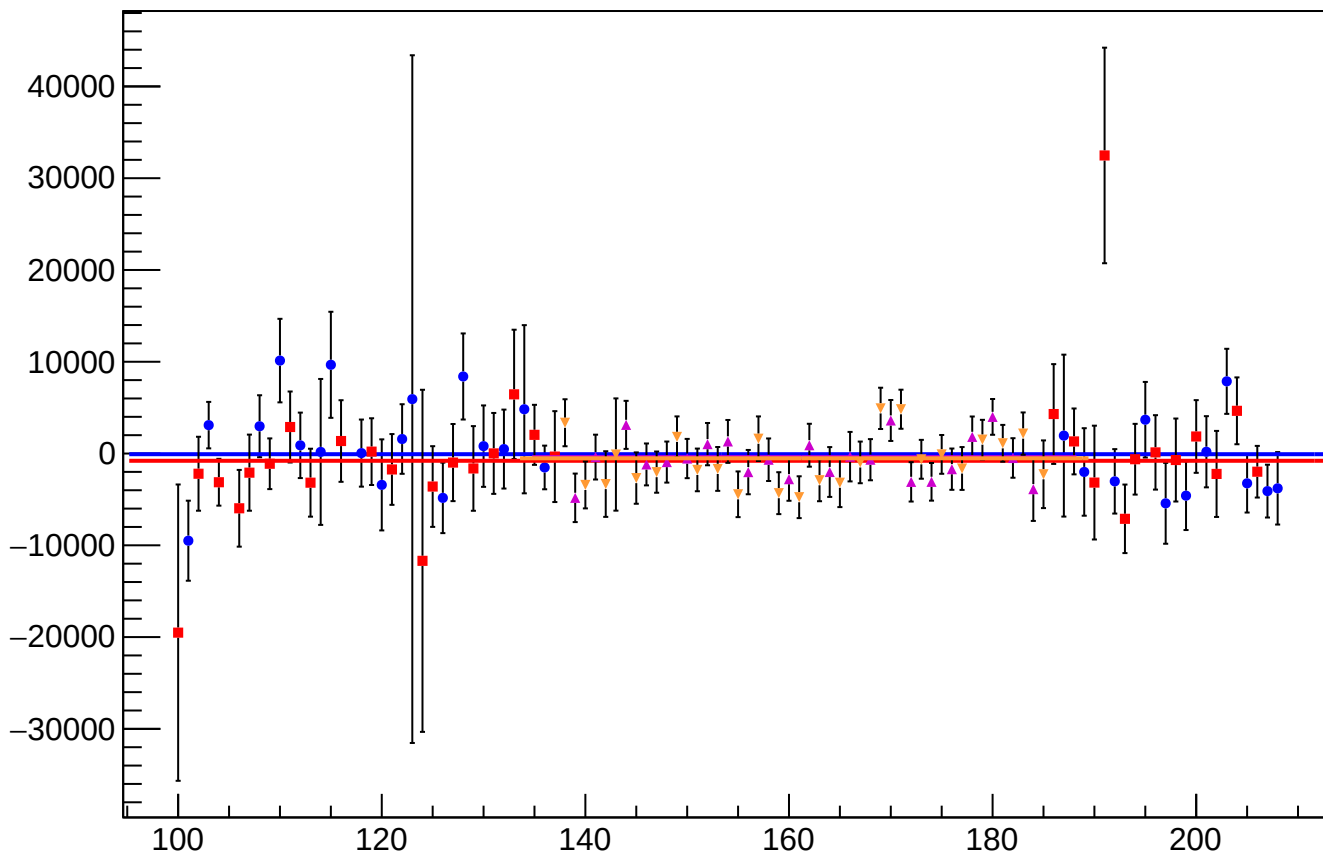
Right Out: 1781.078+/-0.359 χ^2/NDF : 4908949.7/30

All: 1107.188+/-0.105 χ^2/NDF : 19374752.1/100

- sign 1100.939+/-0.149 χ^2/NDF : 9609548.5/53

Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

asym_at2_dd_mean vs Slug



Right In: -72.744 ± 743.106 χ^2/NDF : 34.7/27

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -789.496 ± 731.756 χ^2/NDF : 23.5/30

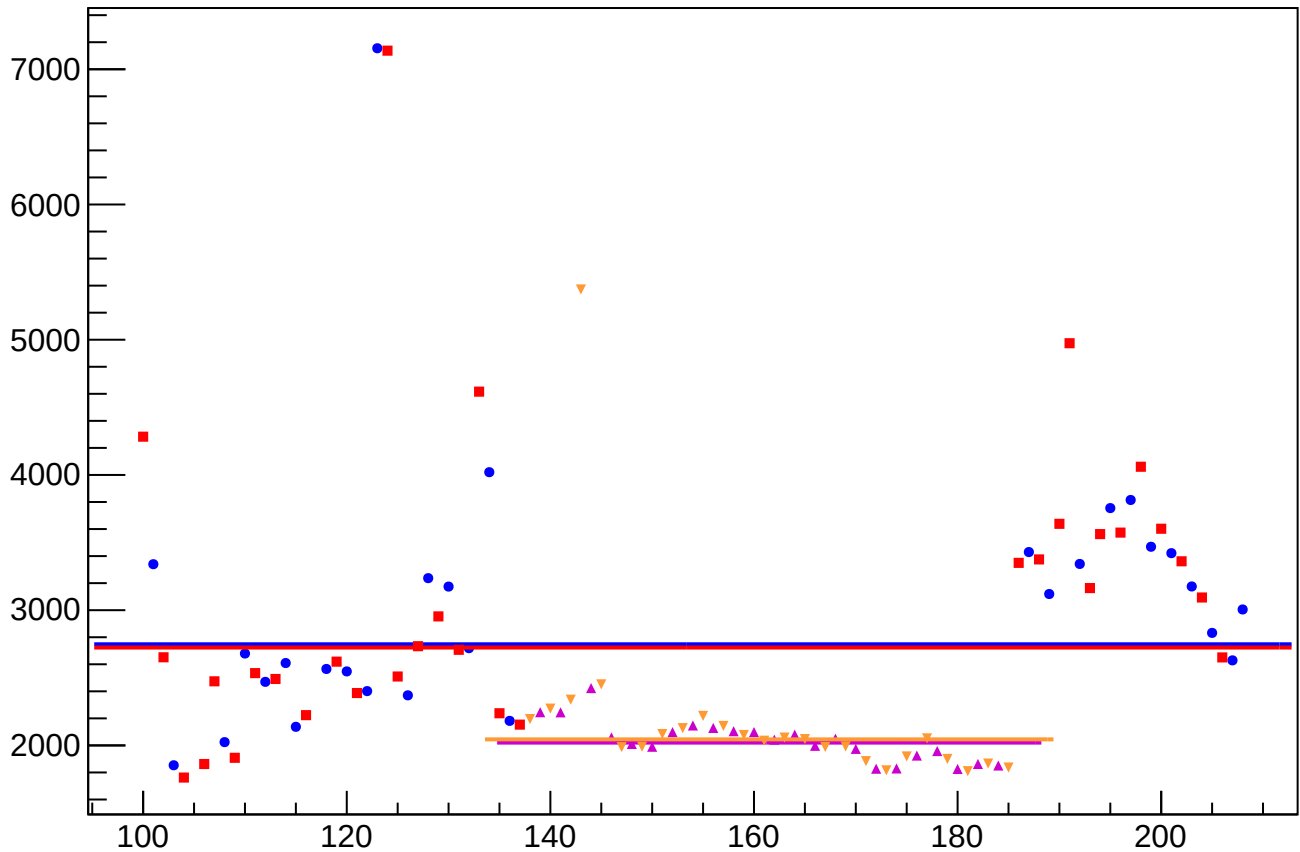
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -386.146 ± 404.079 χ^2/NDF : 69.0/52

All: -451.582 ± 285.803 χ^2/NDF : 114.6/106

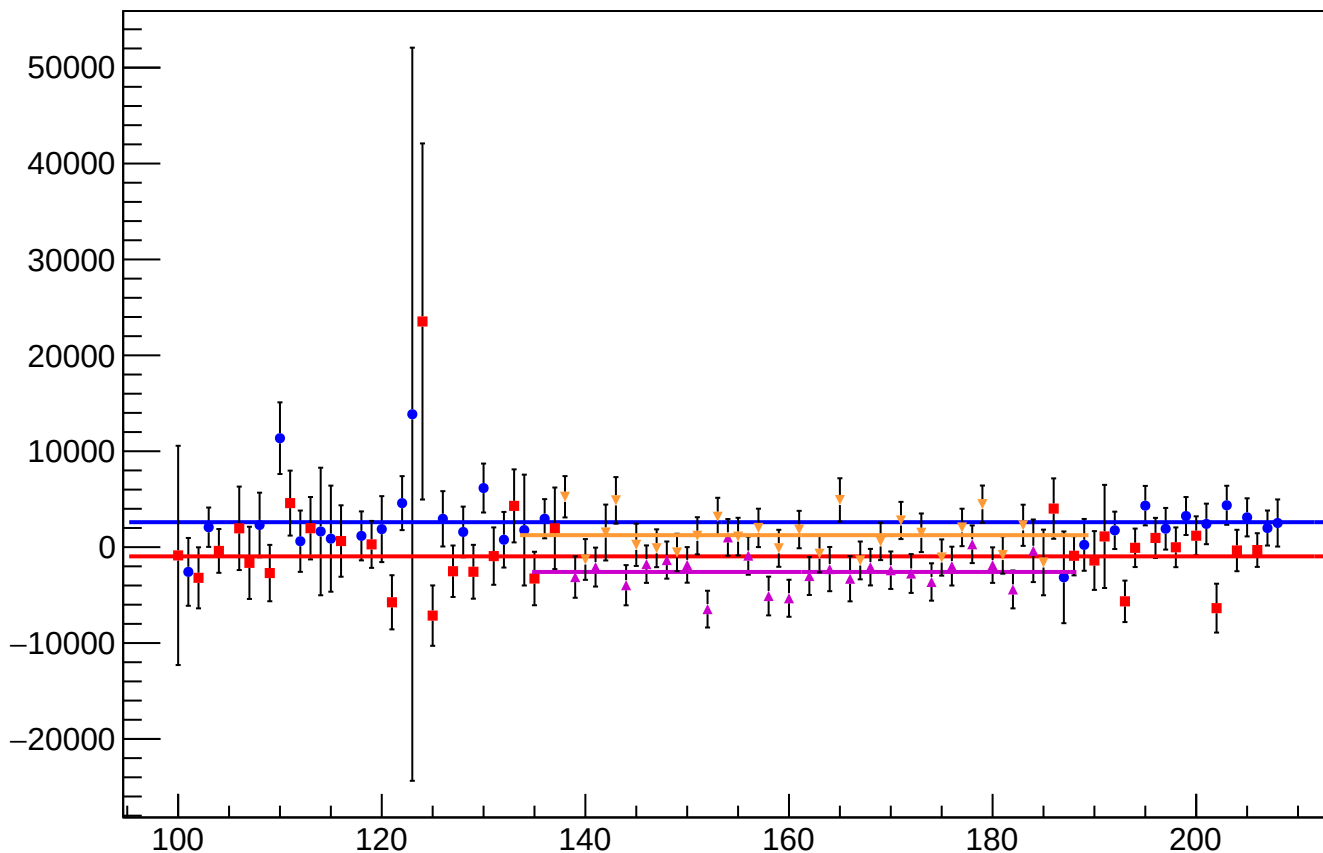
- sign -517.088 ± 404.294 χ^2/NDF : 45.6/53

asym_at2_dd_rms vs Slug



Right In: 2747.846+/-0.525	χ^2/NDF : 1173476.3/27	+ sign 2252.627+/-0.286	χ^2/NDF : 3223304.7/52
Left Out: 2044.722+/-0.340	χ^2/NDF : 788703.5/24	All: 2244.016+/-0.202	χ^2/NDF : 6394880.6/10
Right Out: 2723.797+/-0.517	χ^2/NDF : 1713834.4/30	- sign 2235.396+/-0.286	χ^2/NDF : 3169758.4/53
Left In: 2020.802+/-0.343	χ^2/NDF : 173502.0/22		

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2603.128 $\pm$ 491.889 χ^2 /NDF: 16.0/27

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

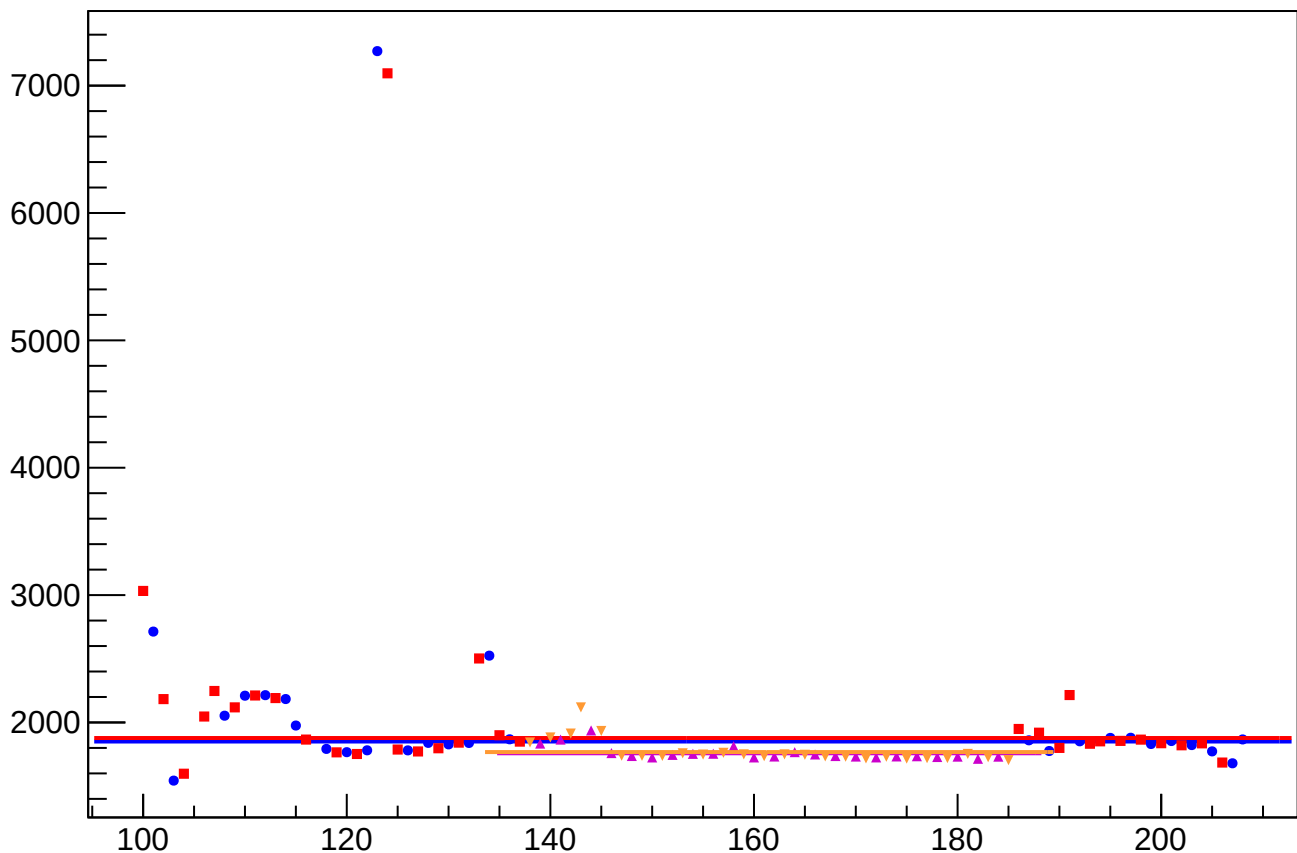
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF: 17.5/22

+ sign 1808.621 $\pm$ 316.064 χ^2 /NDF: 43.4/52

All: -22.994 $\pm$ 224.743 χ^2 /NDF: 167.1/106

- sign -1896.223 $\pm$ 319.634 χ^2 /NDF: 55.8/53

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1850.417+/-0.348 χ^2/NDF : 317587.8/27

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1877.825+/-0.346 χ^2/NDF : 409071.4/30

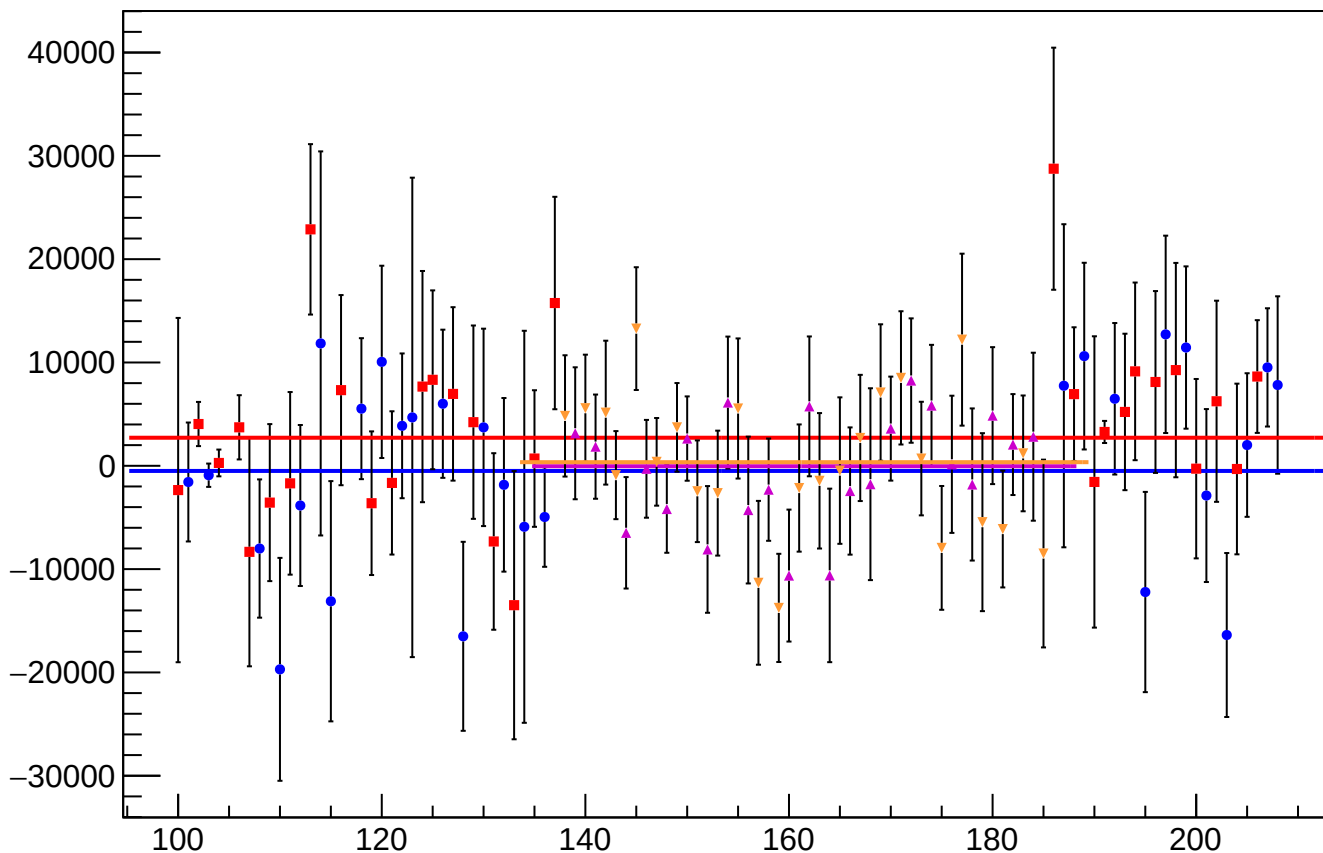
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1801.744+/-0.223 χ^2/NDF : 428615.7/52

All: 1805.335+/-0.159 χ^2/NDF : 936667.9/106

- sign 1809.006+/-0.226 χ^2/NDF : 507530.0/53

asym_atl1r2_avg_correction_mean vs Slug



Right In: -497.641 ± 913.683 χ^2/NDF : 30.6/27

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2717.174 ± 680.160 χ^2/NDF : 27.8/30

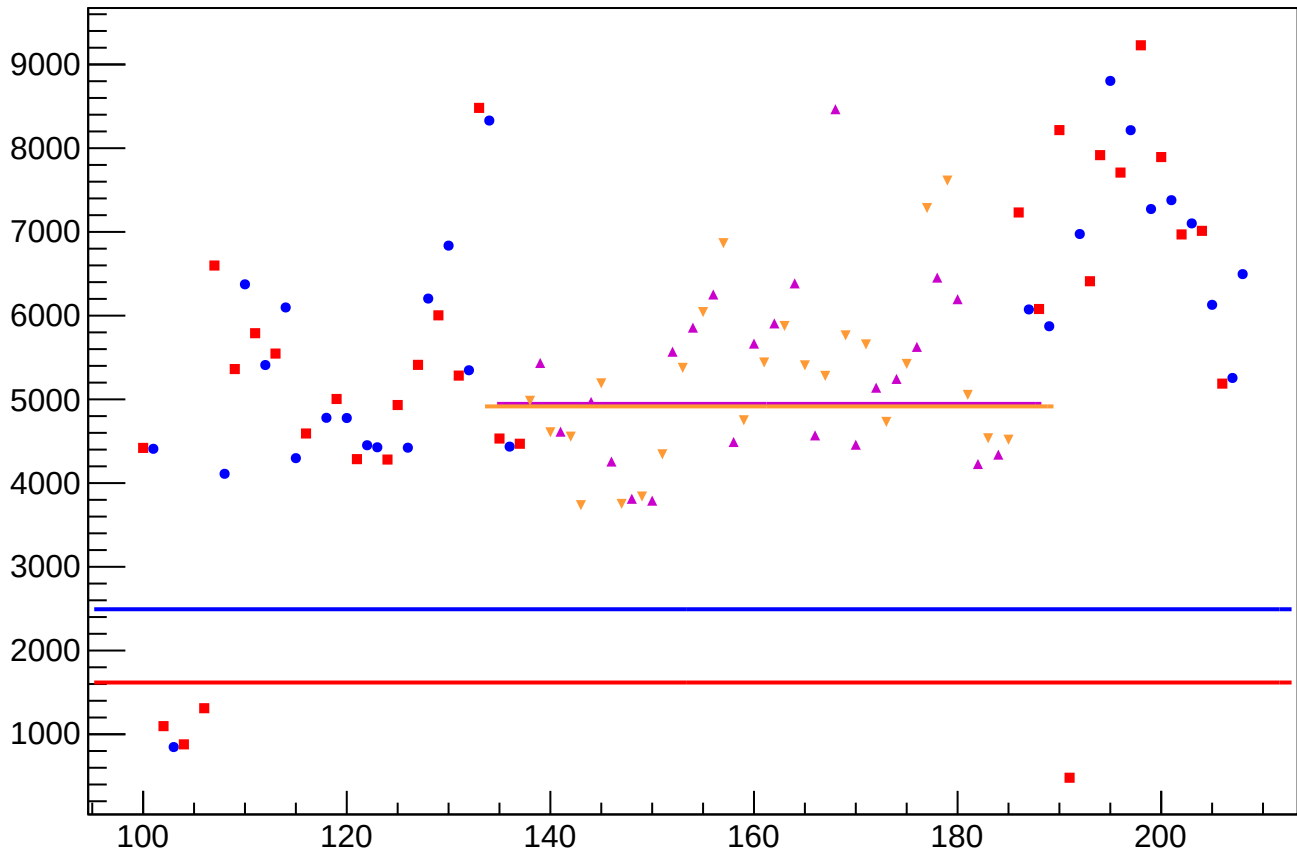
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -176.088 ± 720.130 χ^2/NDF : 58.7/52

All: 1152.913 ± 457.591 χ^2/NDF : 112.2/106

- sign 2052.919 ± 592.612 χ^2/NDF : 47.8/53

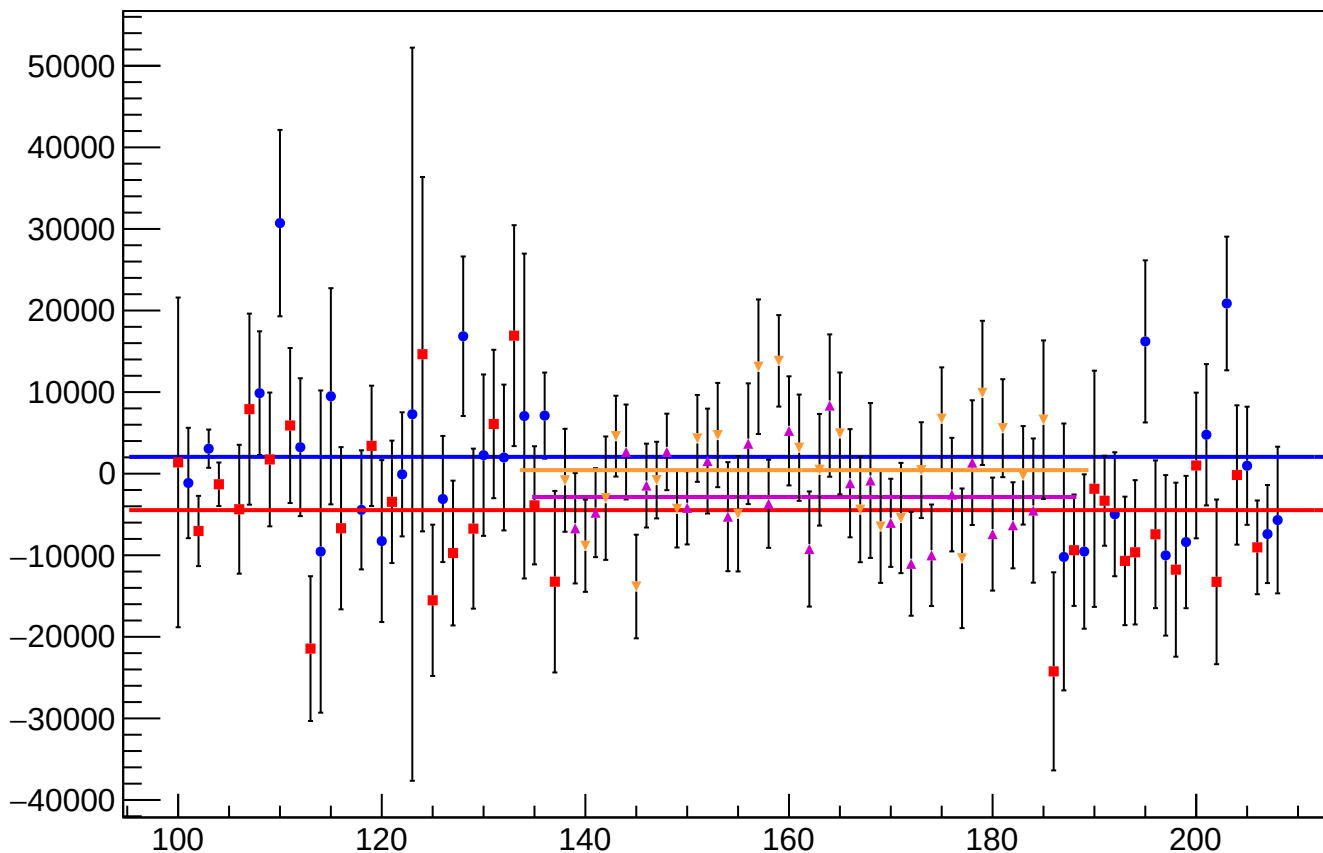
asym_atl1r2_avg_correction_rms vs Slug



Right In: 2493.153 $\pm$ 0.646 χ^2 /NDF: 13642656.3/27
 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 3410.880 $\pm$ 0.509 χ^2 /NDF: 20155784.4/52
 All: 2819.851 $\pm$ 0.324 χ^2 /NDF: 52849158.3/1
 - sign 2419.603 $\pm$ 0.419 χ^2 /NDF: 30433874.4/53

asym_atl1r2_avg_mean vs Slug



Right In: 2060.051 ± 1359.121 χ^2/NDF : 30.8/27

Left Out: 430.860 ± 1258.273 χ^2/NDF : 27.1/24

Right Out: -4470.674 ± 1325.918 χ^2/NDF : 23.5/30

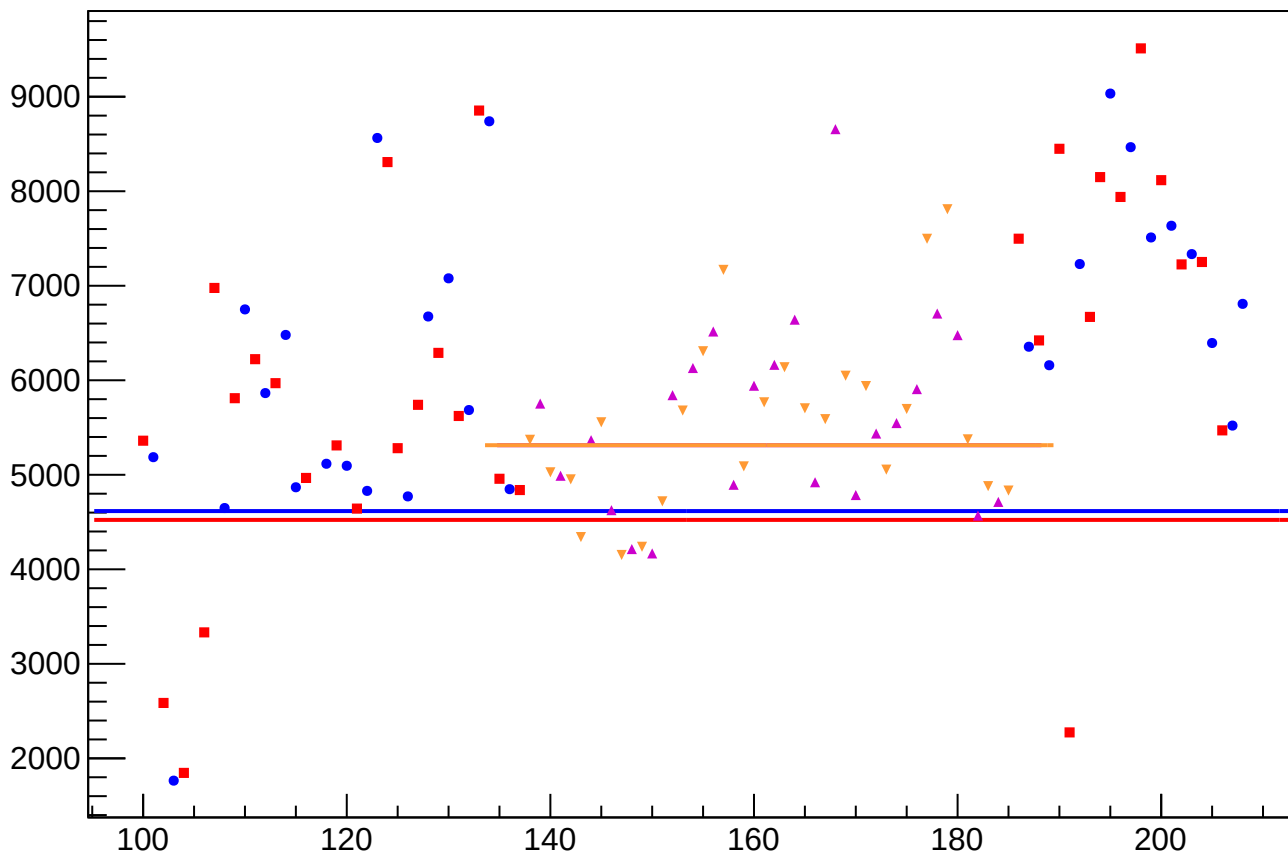
Left In: -2860.252 ± 1292.328 χ^2/NDF : 12.9/22

+ sign 1182.776 ± 923.330 χ^2/NDF : 58.7/52

All: -1225.450 ± 653.645 χ^2/NDF : 109.5/106

- sign -3644.806 ± 925.461 χ^2/NDF : 37.1/53

asym_atl1r2_avg_rms vs Slug



Right In: 4616.173+/-0.961 χ^2/NDF : 5483945.3/27

Left Out: 5313.008+/-0.890 χ^2/NDF : 894369.8/24

Right Out: 4522.766+/-0.933 χ^2/NDF : 5869727.2/30

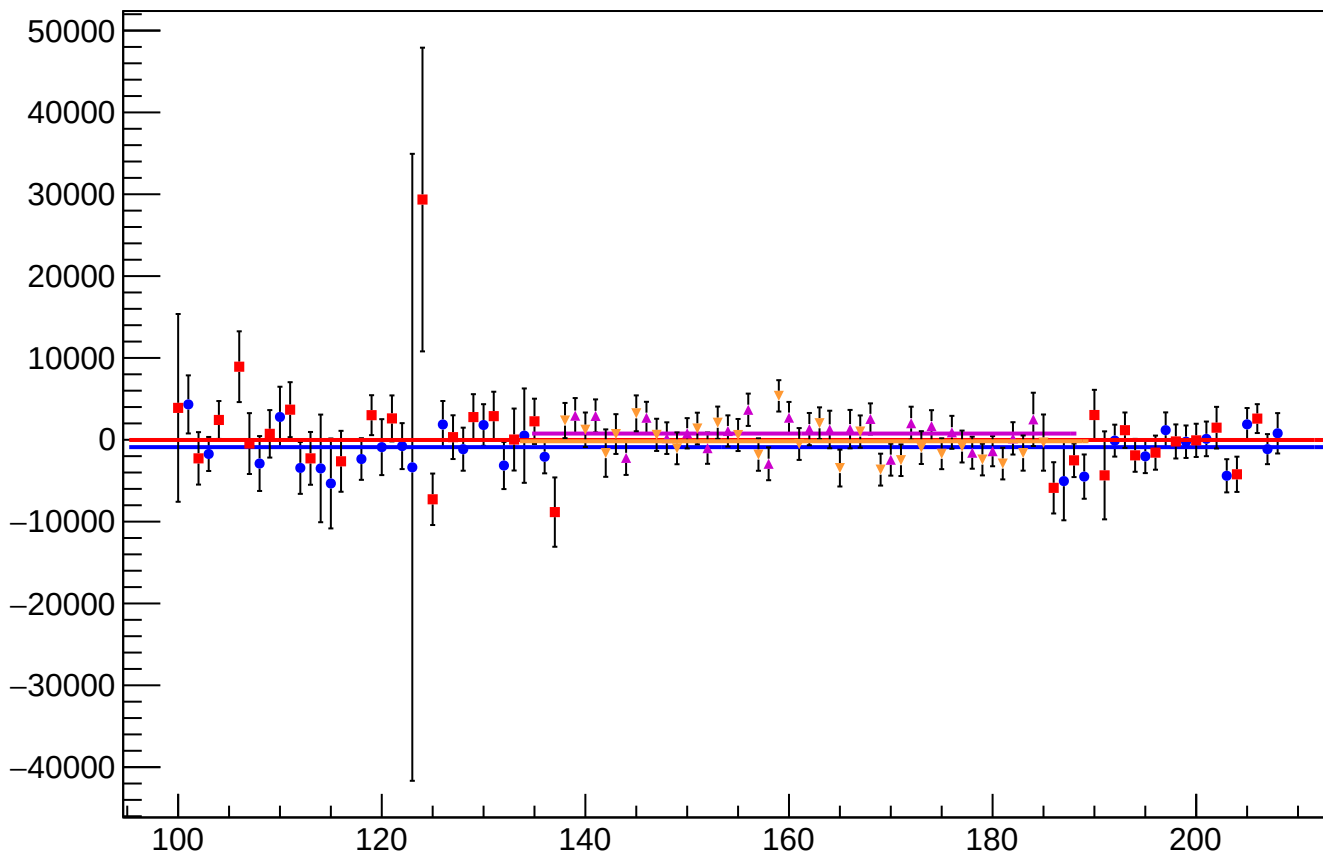
Left In: 5312.861+/-0.914 χ^2/NDF : 957400.7/22

+ sign 4991.400+/-0.653 χ^2/NDF : 6661413.4/52

All: 4958.778+/-0.462 χ^2/NDF : 13859423.8/1

- sign 4926.151+/-0.653 χ^2/NDF : 7193017.0/53

reg_asym_atl1r2_dd_mean vs Slug



Right In: -898.533 ± 491.591 χ^2/NDF : 18.2/27

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -24.330 ± 490.001 χ^2/NDF : 40.2/30

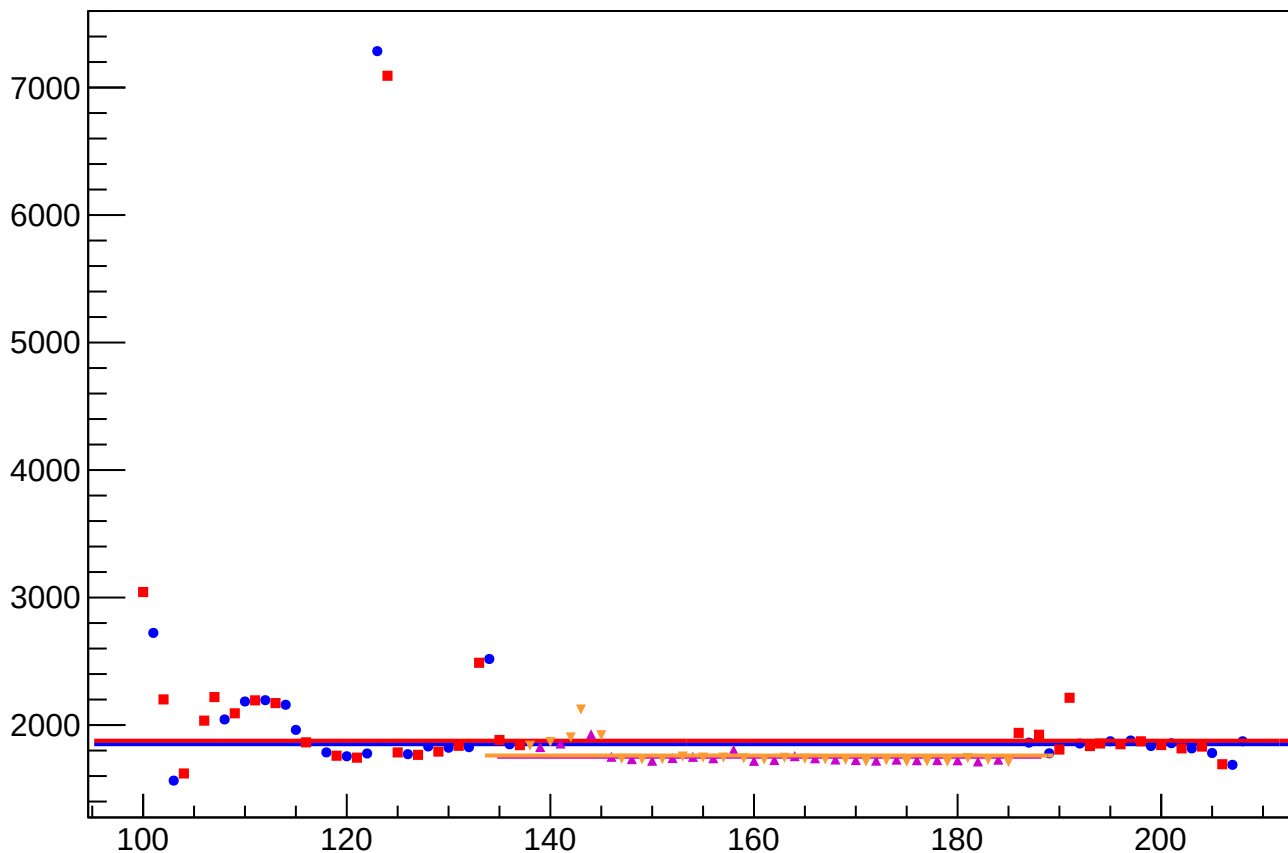
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -475.476 ± 315.305 χ^2/NDF : 48.7/52

All: -28.903 ± 224.196 χ^2/NDF : 114.7/106

- sign 427.758 ± 318.846 χ^2/NDF : 61.9/53

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1849.743+/-0.348 χ^2/NDF : 304981.6/27

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1877.315+/-0.346 χ^2/NDF : 394358.3/30

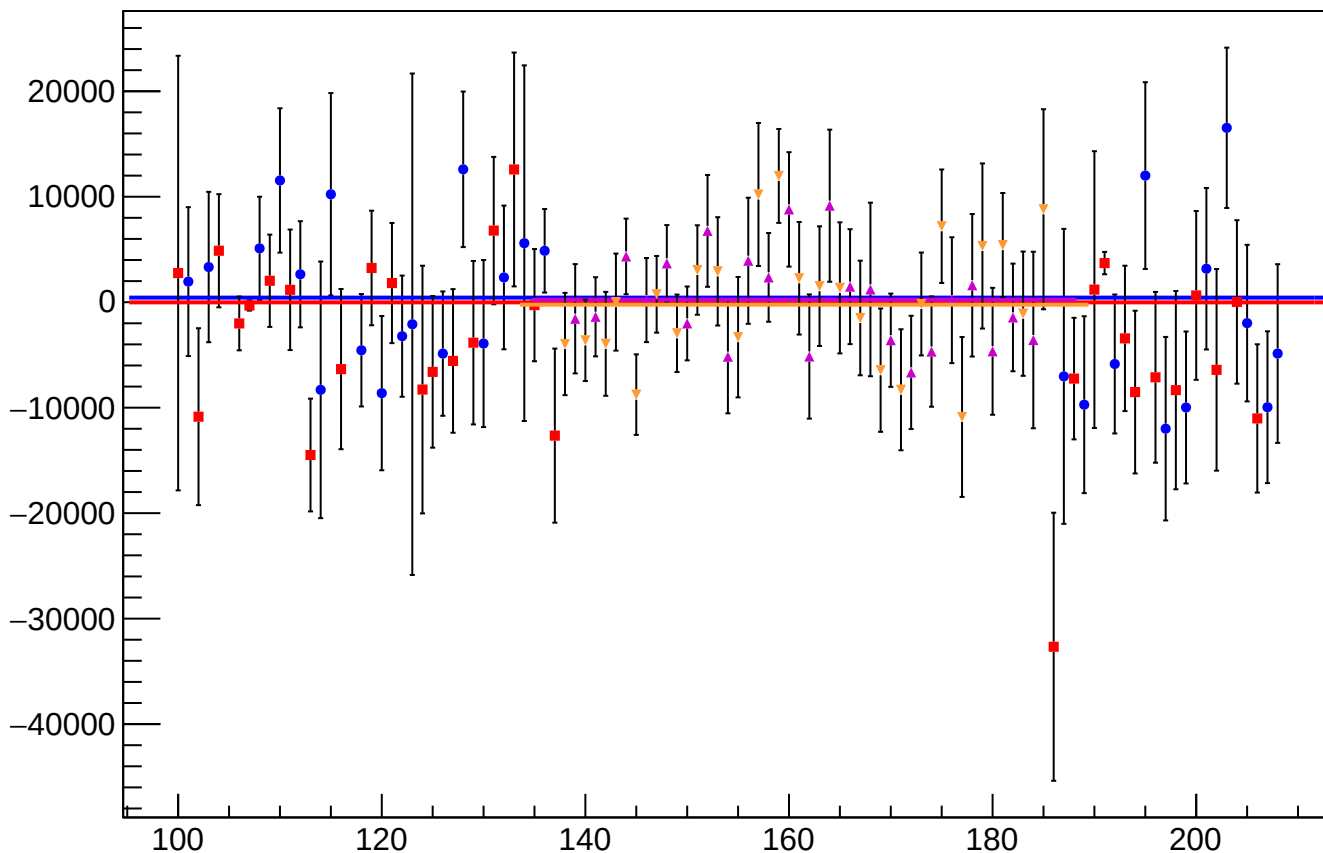
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1797.562+/-0.223 χ^2/NDF : 420735.5/52

All: 1801.125+/-0.159 χ^2/NDF : 920375.8/106

- sign 1804.768+/-0.225 χ^2/NDF : 499123.7/53

asym_atl1r2_dd_correction_mean vs Slug



Right In: 434.573 $\pm$ 1323.024 χ^2 /NDF: 29.3/27

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

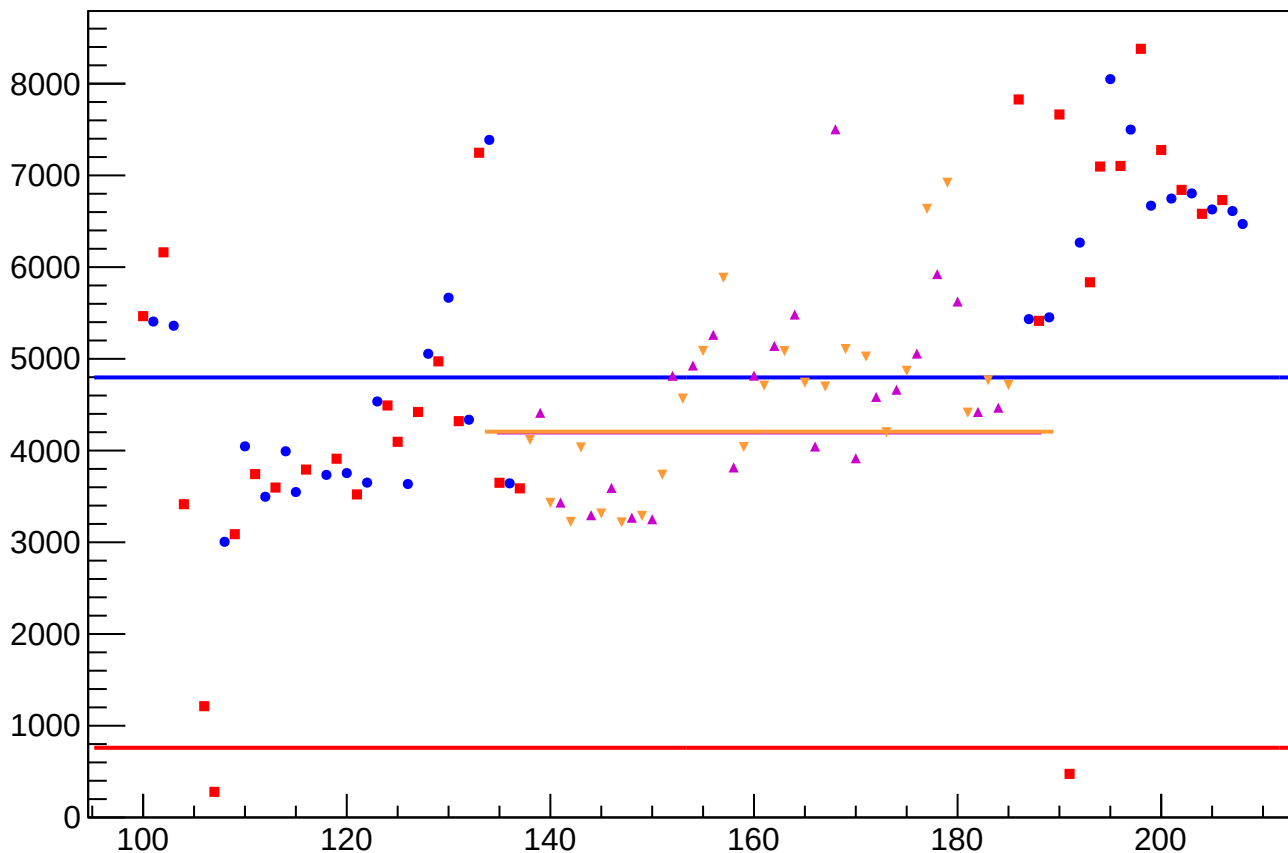
Left In: 239.224 $\pm$ 1028.883 χ^2 /NDF: 15.3/22

+ sign 9.528 $\pm$ 800.361 χ^2 /NDF: 58.3/52

All: 17.463 $\pm$ 344.565 χ^2 /NDF: 119.3/106

- sign 19.269 $\pm$ 381.754 χ^2 /NDF: 60.9/53

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4797.426+/-0.936 χ^2/NDF : 2336672.0/27

Left Out: 4206.076+/-0.711 χ^2/NDF : 1442269.3/24

Right Out: 759.705+/-0.291 χ^2/NDF : 22754966.9/30

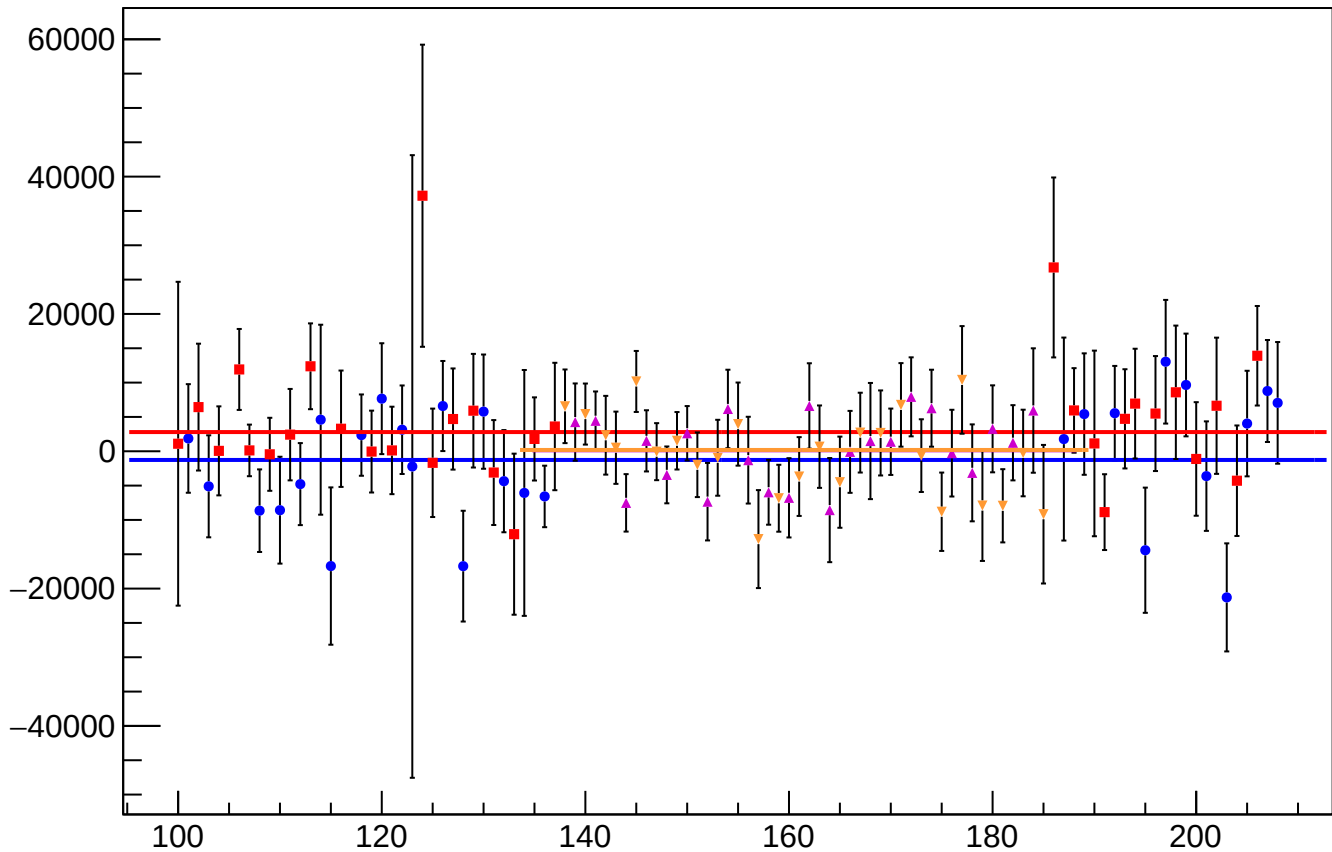
Left In: 4197.267+/-0.728 χ^2/NDF : 1471012.9/22

+ sign 4422.488+/-0.566 χ^2/NDF : 4032278.2/52

All: 1824.101+/-0.244 χ^2/NDF : 73385720.1/1

- sign 1232.949+/-0.270 χ^2/NDF : 43477860.3/53

asym_atl1r2_dd_mean vs Slug



Right In: -1265.601 ± 1455.600 χ^2/NDF : 32.8/27

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 2795.679 ± 1300.763 χ^2/NDF : 24.0/30

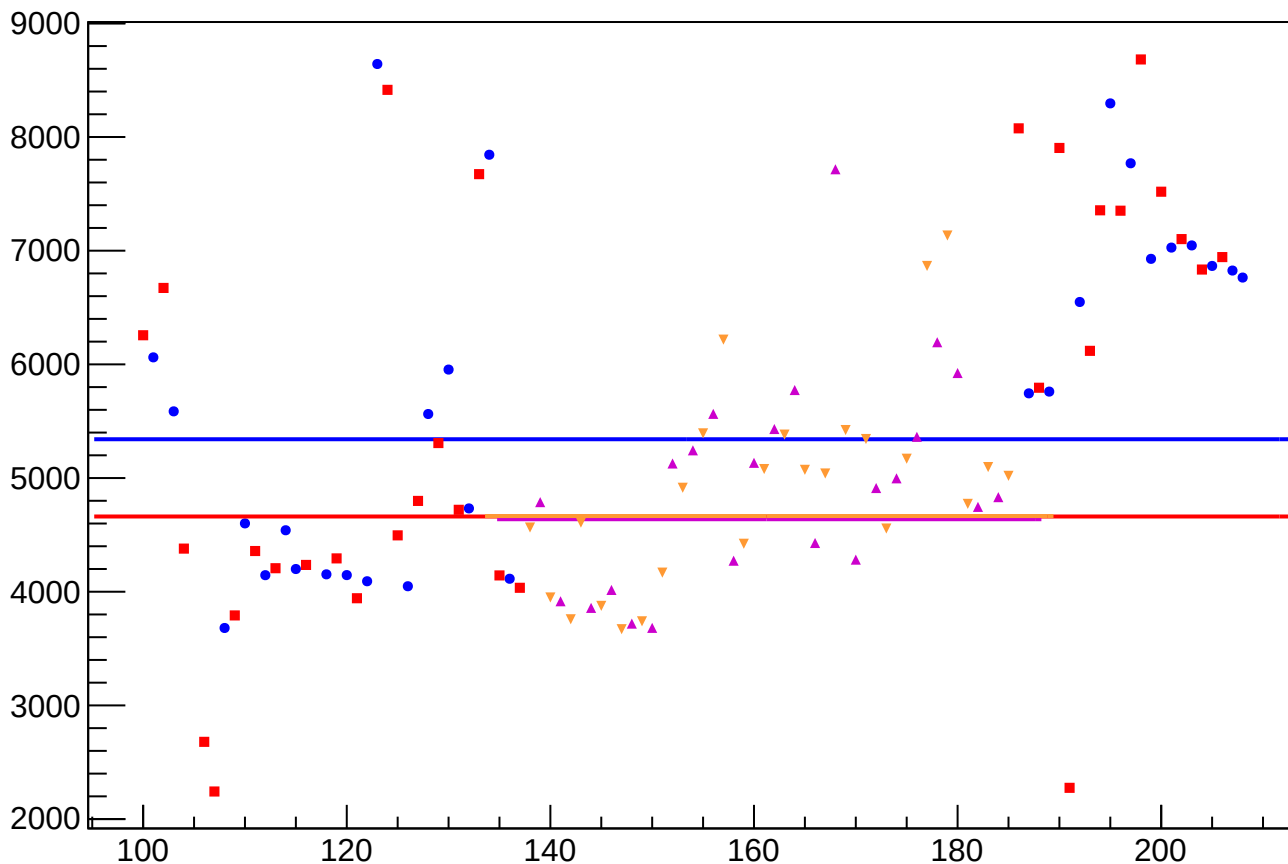
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -343.473 ± 881.060 χ^2/NDF : 58.4/52

All: 494.794 ± 612.809 χ^2/NDF : 105.1/106

- sign 1280.358 ± 852.913 χ^2/NDF : 44.9/53

asym_atl1r2_dd_rms vs Slug



Right In: 5341.341+/-1.029 χ^2/NDF : 1704790.3/27

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

Right Out: 4661.820+/-0.916 χ^2/NDF : 3791470.1/30

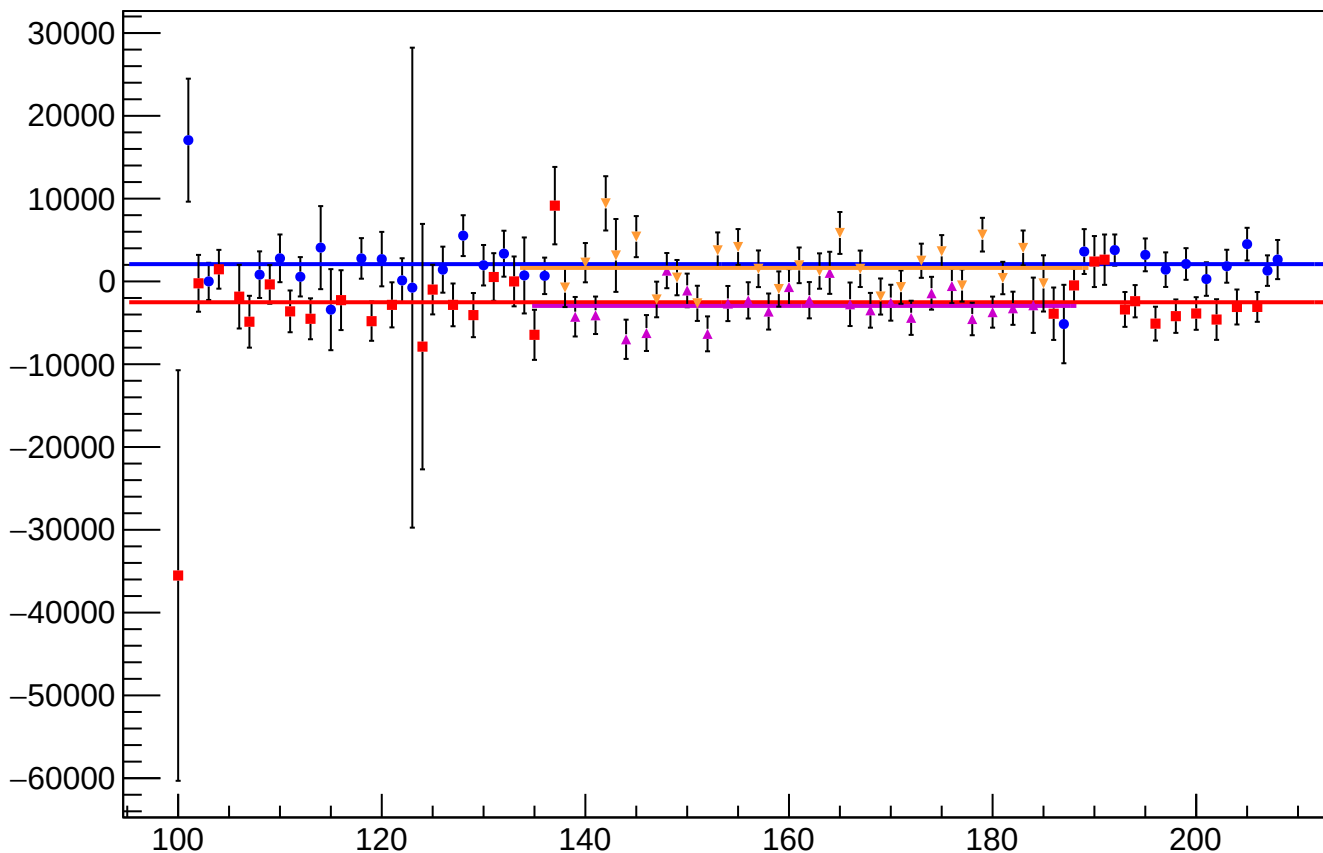
Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

+ sign 4913.187+/-0.623 χ^2/NDF : 2995119.9/52

All: 4776.126+/-0.433 χ^2/NDF : 7945785.7/10

- sign 4648.166+/-0.602 χ^2/NDF : 4857078.7/53

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2088.339 $\pm$ 476.127 χ^2 /NDF: 16.8/27

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

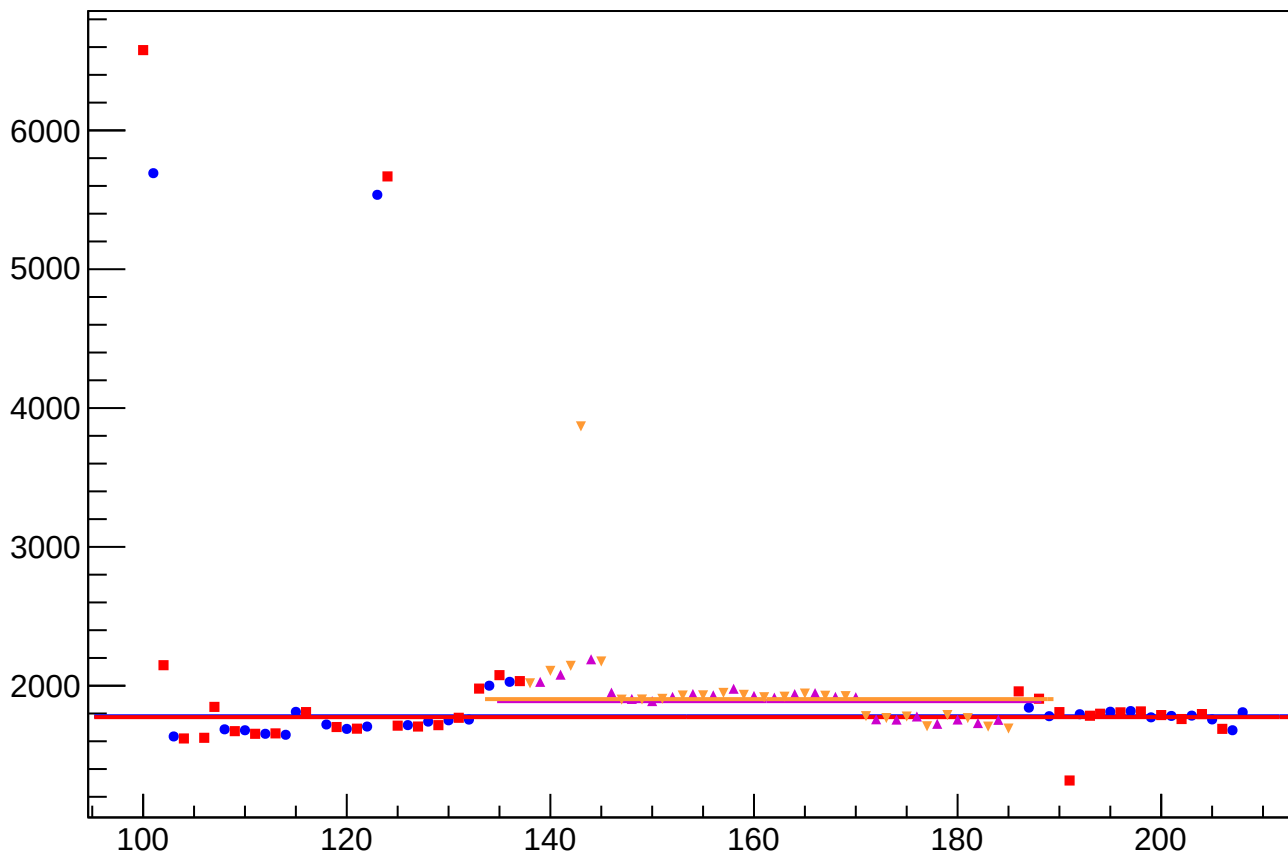
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1844.773 $\pm$ 325.912 χ^2 /NDF: 52.7/52

All: -455.617 $\pm$ 230.117 χ^2 /NDF: 202.2/106

- sign -2742.569 $\pm$ 324.959 χ^2 /NDF: 50.1/53

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1780.095+/-0.337 χ^2/NDF : 652892.9/27

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1773.712+/-0.328 χ^2/NDF : 373544.8/30

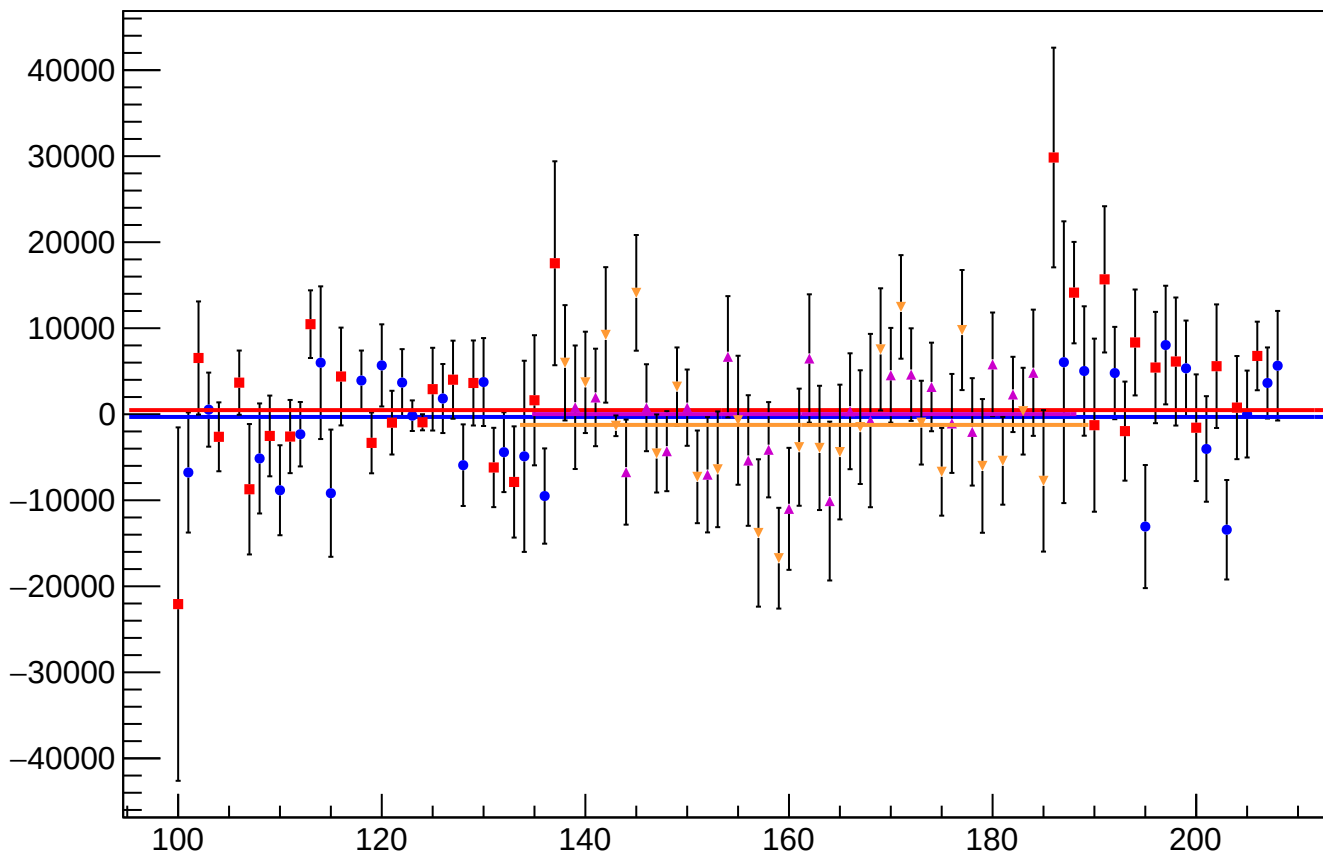
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1845.742+/-0.230 χ^2/NDF : 1266007.6/52

All: 1839.160+/-0.163 χ^2/NDF : 1830610.1/10

- sign 1832.637+/-0.229 χ^2/NDF : 562978.5/53

asym_atr1l2_avg_correction_mean vs Slug



Right In: -315.109 ± 881.661 χ^2/NDF : 31.0/27

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: 479.603 ± 675.554 χ^2/NDF : 43.4/30

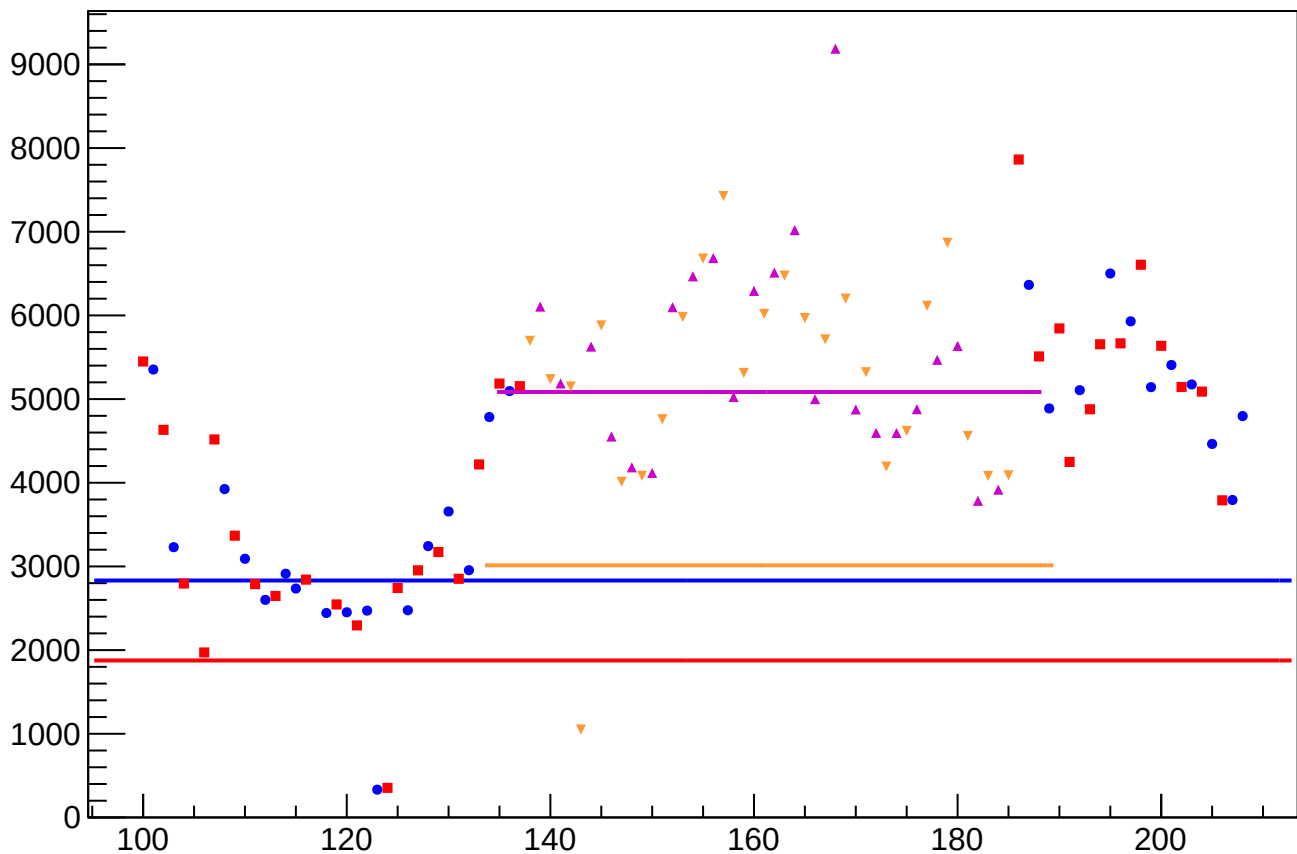
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -786.183 ± 617.527 χ^2/NDF : 65.5/52

All: -183.222 ± 427.944 χ^2/NDF : 124.1/106

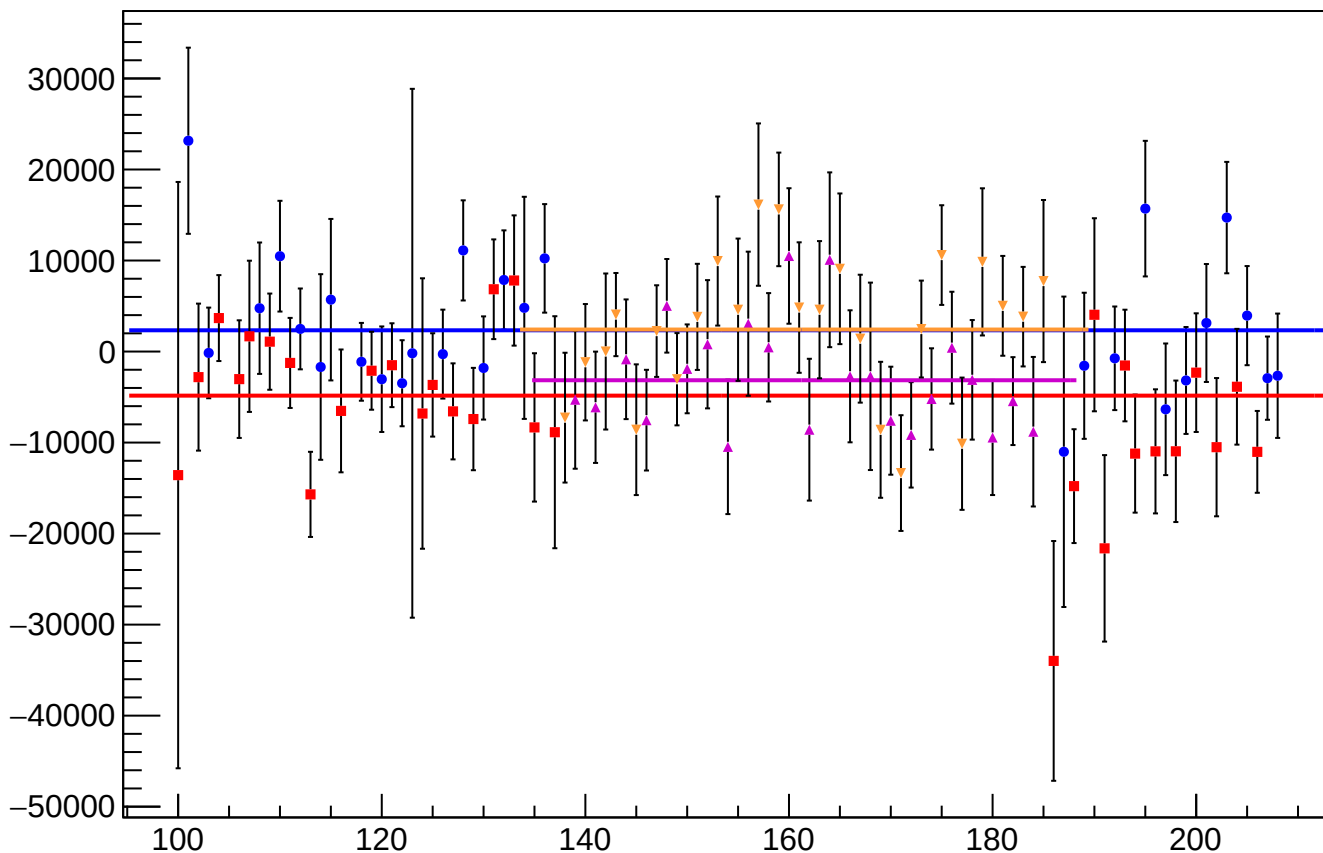
- sign 373.901 ± 593.591 χ^2/NDF : 56.7/53

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2831.860+/-0.623	χ^2/NDF : 7902177.7/27	+ sign 2924.273+/-0.437	χ^2/NDF : 20216065.6/52
Left Out: 3013.268+/-0.612	χ^2/NDF : 12270753.9/24	All: 2759.642+/-0.303	χ^2/NDF : 46509902.3/1
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: 2334.826 $\pm$ 1159.586 χ^2 /NDF: 28.6/27

Left Out: 2417.210 $\pm$ 1286.482 χ^2 /NDF:29.9/24

Right Out: -4844.158 $\pm$ 1135.072 χ^2 /NDF: 36.7/30

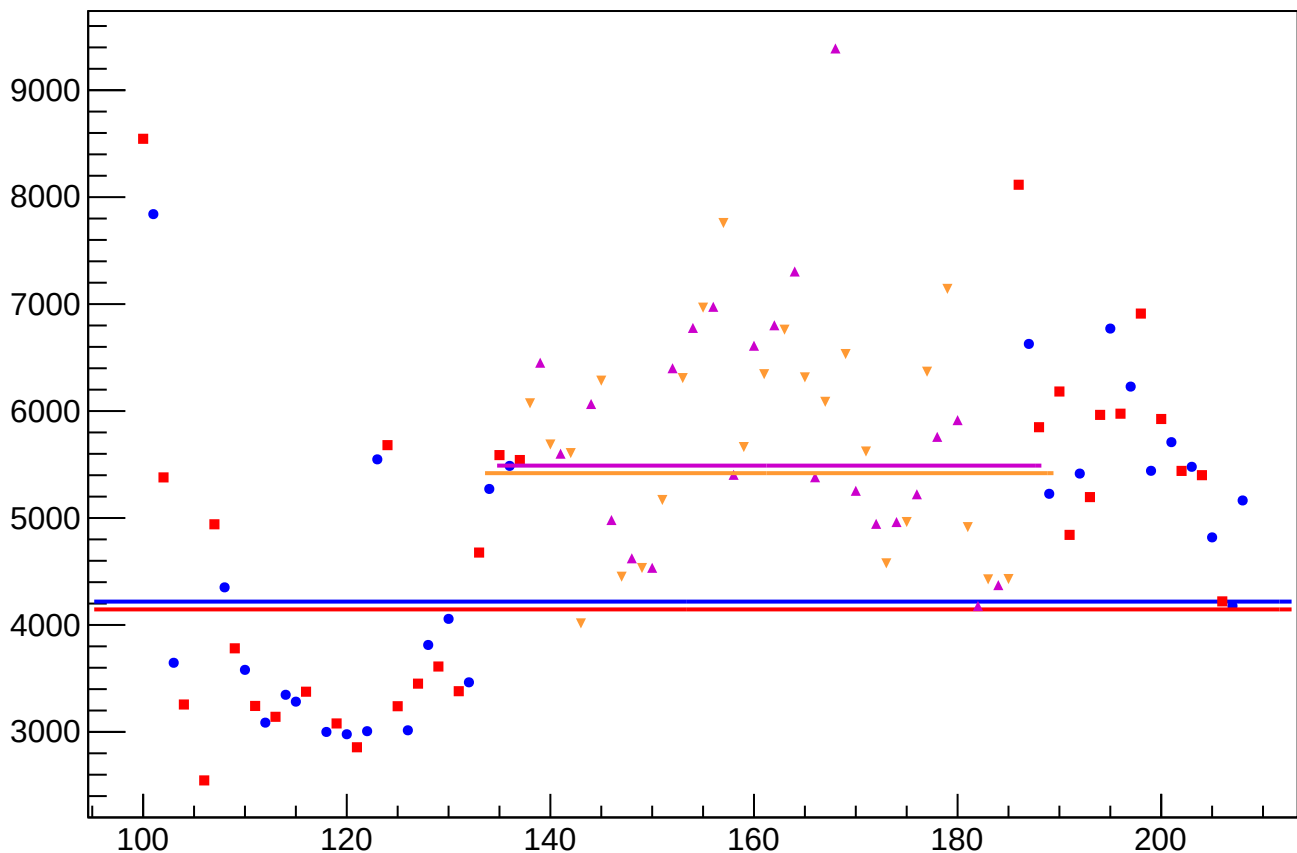
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

+ sign 2371.756 $\pm$ 861.330 χ^2 /NDF: 58.5/52

All: -866.899 $\pm$ 610.486 χ^2 /NDF: 140.0/106

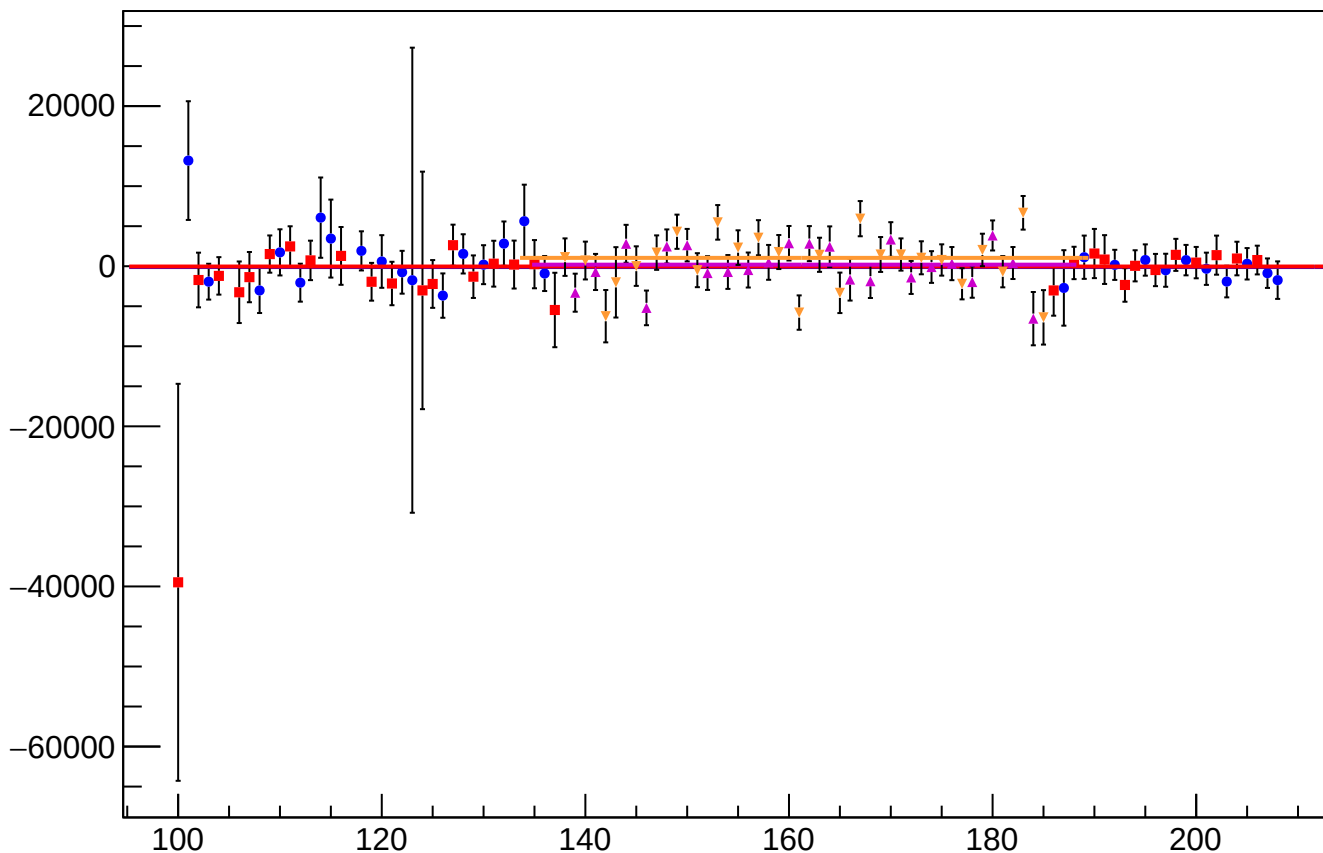
- sign -4136.224 $\pm$ 865.399 χ^2 /NDF: 53.1/53

asym_atr1l2_avg_rms vs Slug



Right In: 4218.496+/-0.820	χ^2/NDF : 2024077.8/27	+ sign 4756.770+/-0.609	χ^2/NDF : 4095452.8/52
Left Out: 5419.305+/-0.910	χ^2/NDF : 1109972.1/24	All: 4729.413+/-0.430	χ^2/NDF : 8769312.0/10
Right Out: 4145.339+/-0.795	χ^2/NDF : 2421059.2/30	- sign 4702.102+/-0.609	χ^2/NDF : 4669827.5/53
Left In: 5489.885+/-0.946	χ^2/NDF : 1064353.3/22		

reg_asym_atr1l2_dd_mean vs Slug



Right In: -103.313 ± 473.779 χ^2/NDF : 16.4/27

Left Out: 1041.262 ± 446.249 χ^2/NDF : 48.6/24

Right Out: -39.112 ± 463.623 χ^2/NDF : 14.0/30

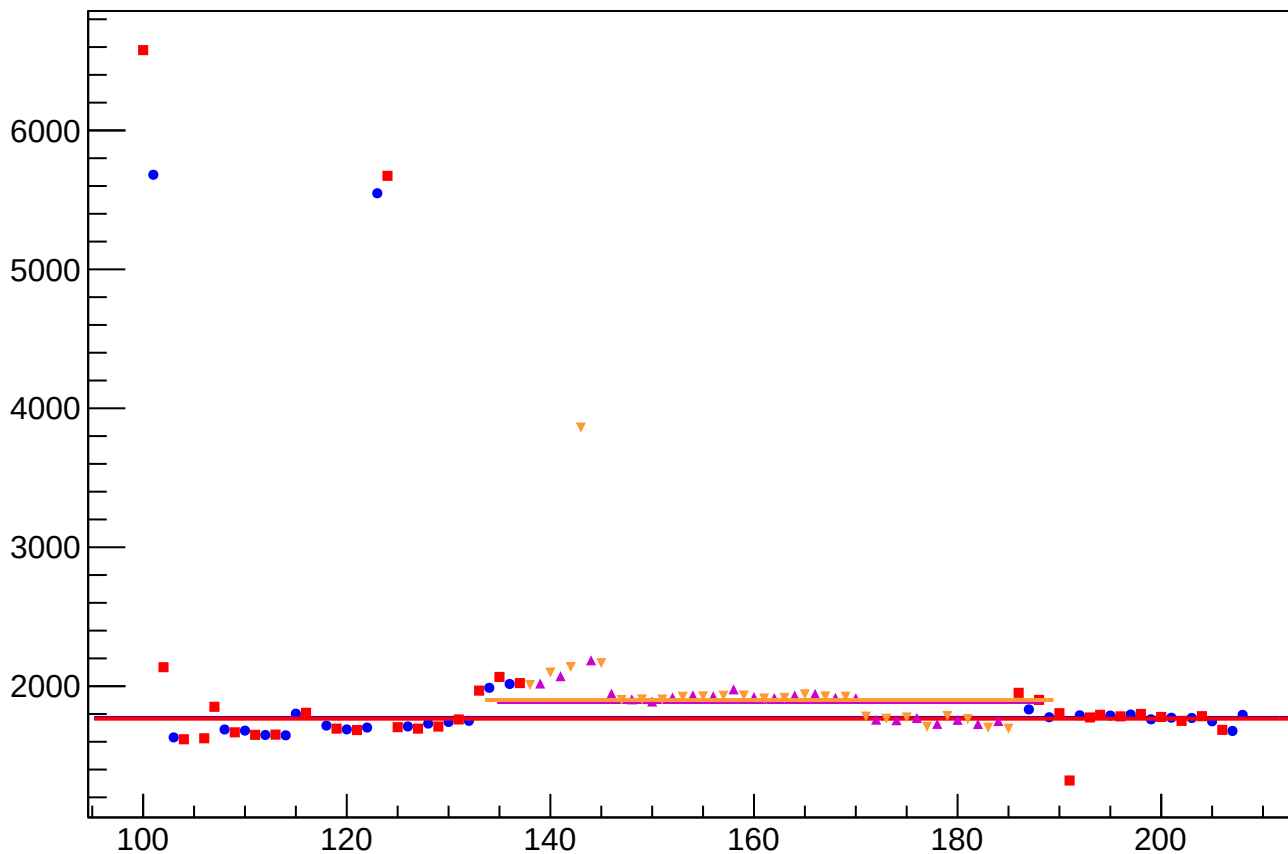
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 503.193 ± 324.843 χ^2/NDF : 68.0/52

All: 290.611 ± 229.410 χ^2/NDF : 113.0/106

- sign 79.091 ± 324.030 χ^2/NDF : 44.2/53

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1771.456 ± 0.335 χ^2/NDF : 649863.6/27

Left Out: 1900.295 ± 0.316 χ^2/NDF : 537892.5/24

Right Out: 1766.137 ± 0.327 χ^2/NDF : 369798.9/30

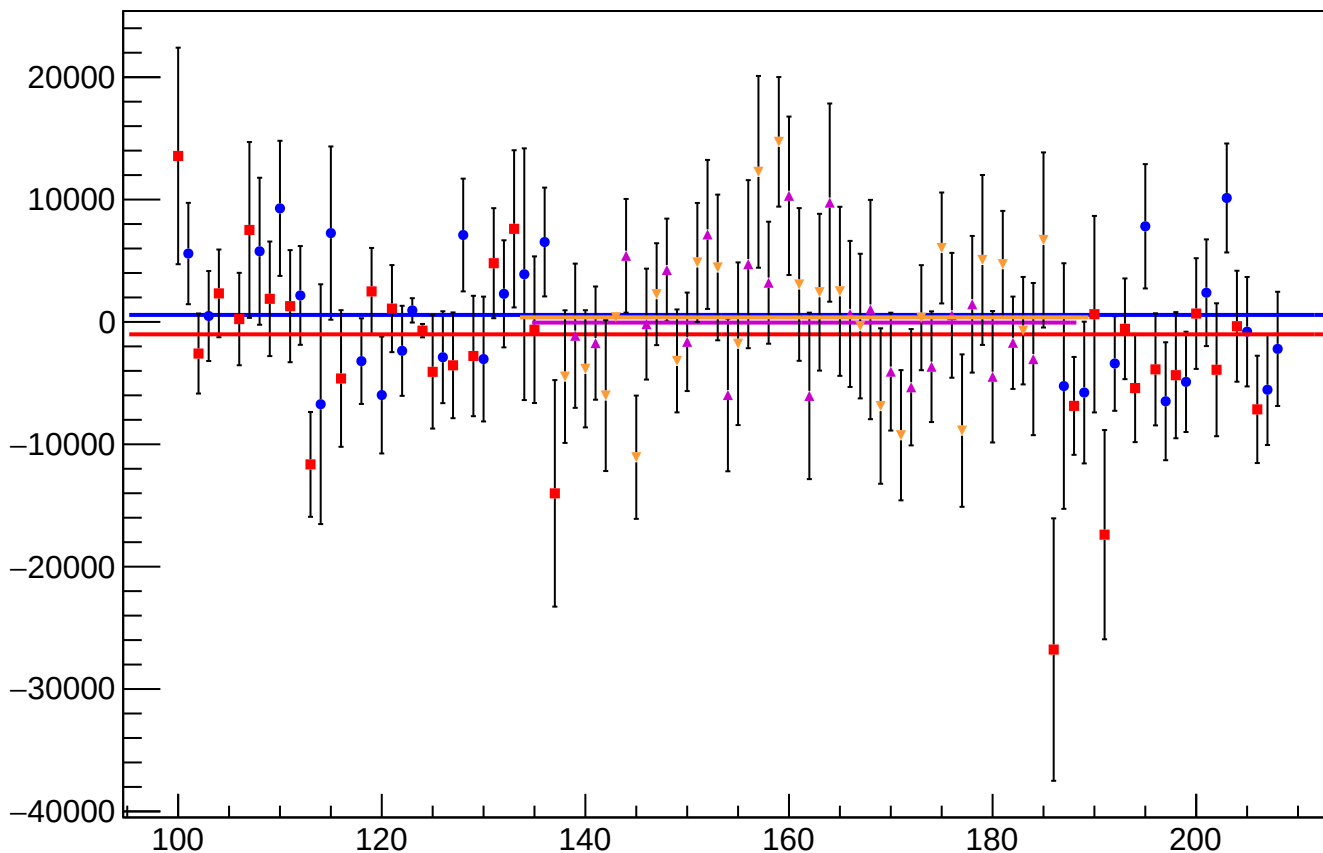
Left In: 1886.378 ± 0.320 χ^2/NDF : 123520.6/22

+ sign 1839.727 ± 0.230 χ^2/NDF : 1266128.3/52

All: 1833.565 ± 0.162 χ^2/NDF : 1829917.5/10

- sign 1827.453 ± 0.229 χ^2/NDF : 562355.7/53

asym_atr1l2_dd_correction_mean vs Slug



Right In: 573.207 ± 665.465 χ^2/NDF : 31.1/27

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -1013.236 ± 462.561 χ^2/NDF : 36.4/30

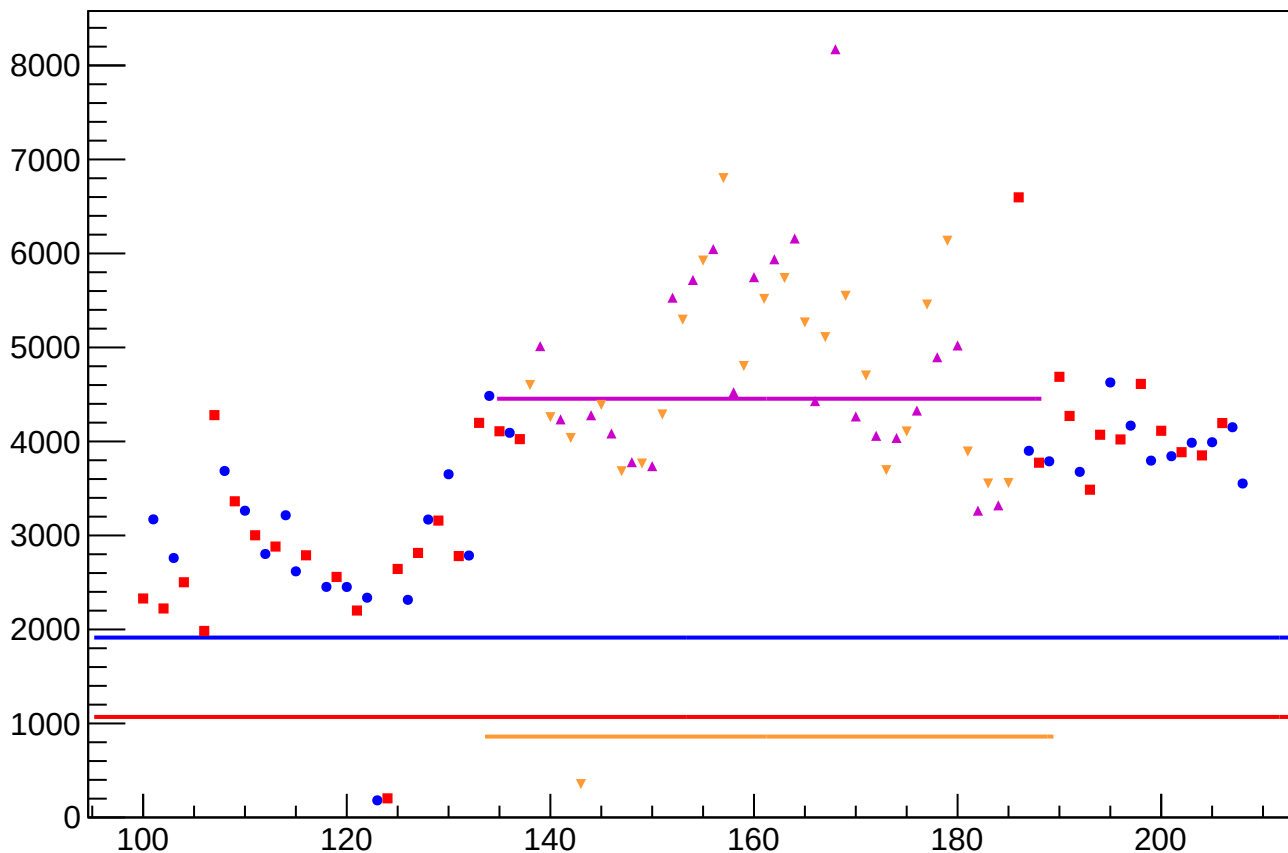
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 422.843 ± 331.343 χ^2/NDF : 62.0/52

All: -63.514 ± 261.497 χ^2/NDF : 119.3/106

- sign -866.689 ± 425.799 χ^2/NDF : 51.6/53

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1913.595+/-0.471 χ^2/NDF : 12106223.7/27

Left Out: 860.545+/-0.270 χ^2/NDF : 26340106.5/24

Right Out: 1069.252+/-0.327 χ^2/NDF : 19188645.4/30

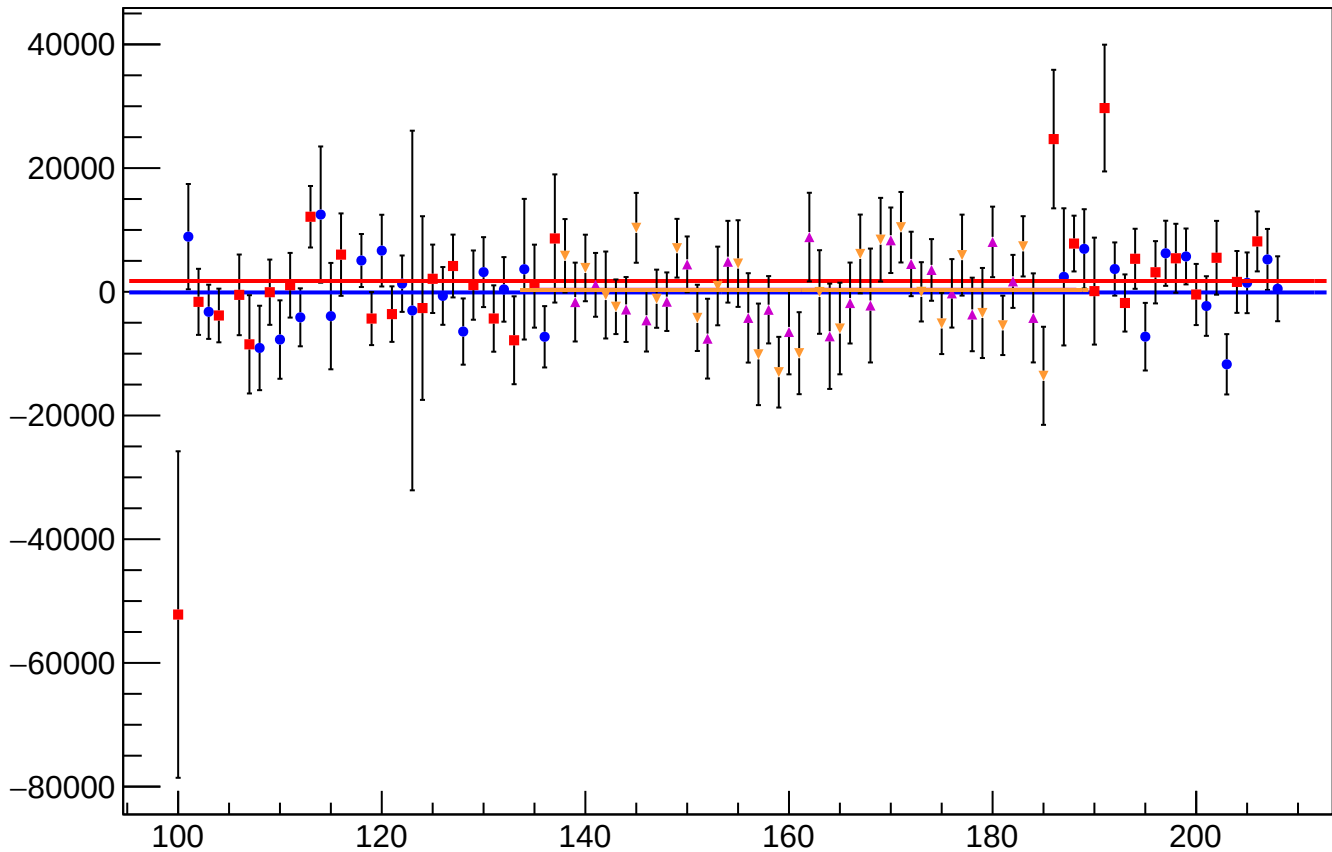
Left In: 4454.402+/-0.771 χ^2/NDF : 1349758.1/22

+ sign 1121.613+/-0.234 χ^2/NDF : 42212877.4/52

All: 1296.736+/-0.185 χ^2/NDF : 80581671.4/100

- sign 1585.934+/-0.301 χ^2/NDF : 36887519.8/53

asym_atr1l2_dd_mean vs Slug



Right In: -103.132 ± 1042.998 $\chi^2/\text{NDF}: 27.9/27$

Left Out: 288.508 ± 1155.419 $\chi^2/\text{NDF}: 32.4/24$

Right Out: 1746.465 ± 1023.316 $\chi^2/\text{NDF}: 37.7/30$

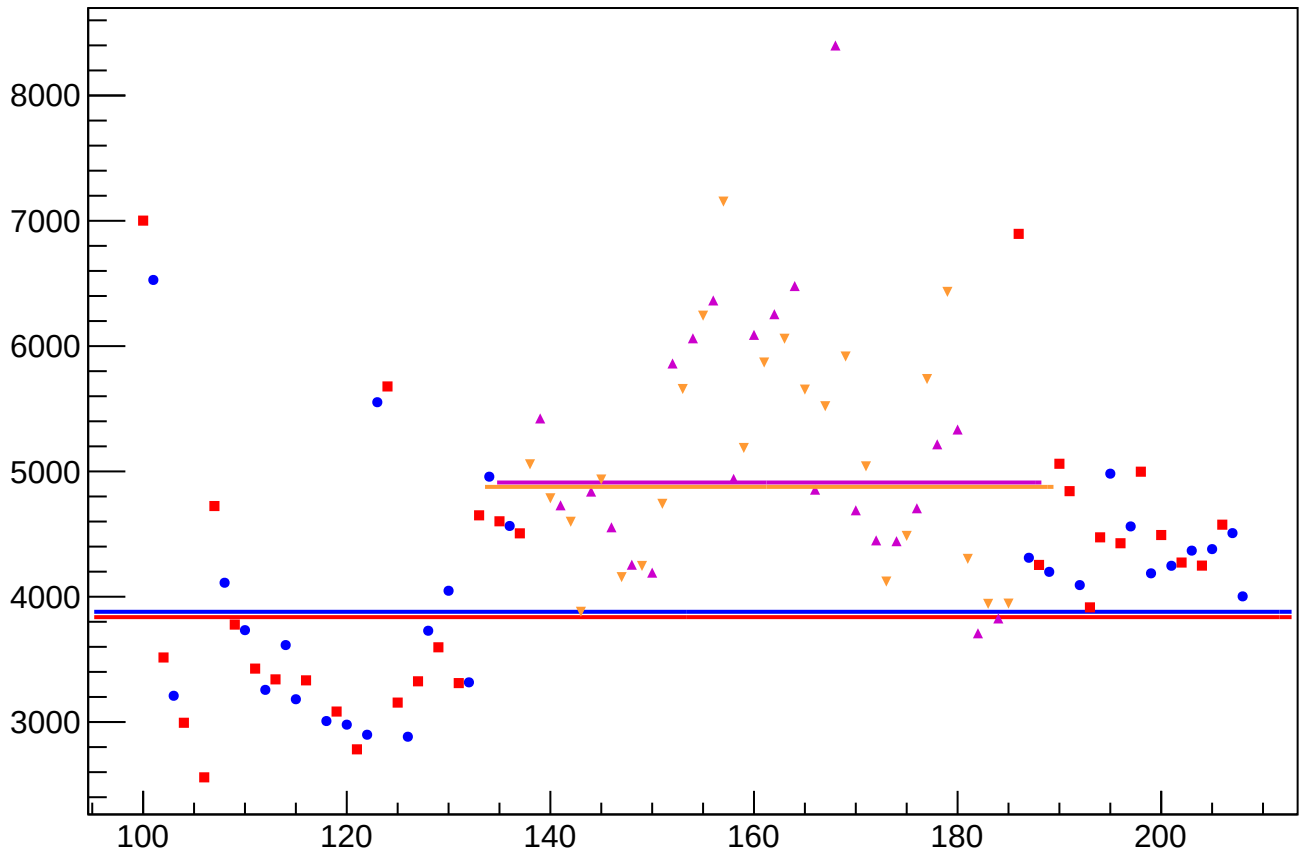
Left In: 332.488 ± 1196.011 $\chi^2/\text{NDF}: 14.7/22$

+ sign 72.713 ± 774.214 $\chi^2/\text{NDF}: 60.4/52$

All: 608.464 ± 548.627 $\chi^2/\text{NDF}: 114.5/106$

- sign 1148.842 ± 777.549 $\chi^2/\text{NDF}: 53.2/53$

asym_atr1l2_dd_rms vs Slug



Right In: 3879.702 $\pm$ 0.738 χ^2 /NDF: 920407.7/27

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

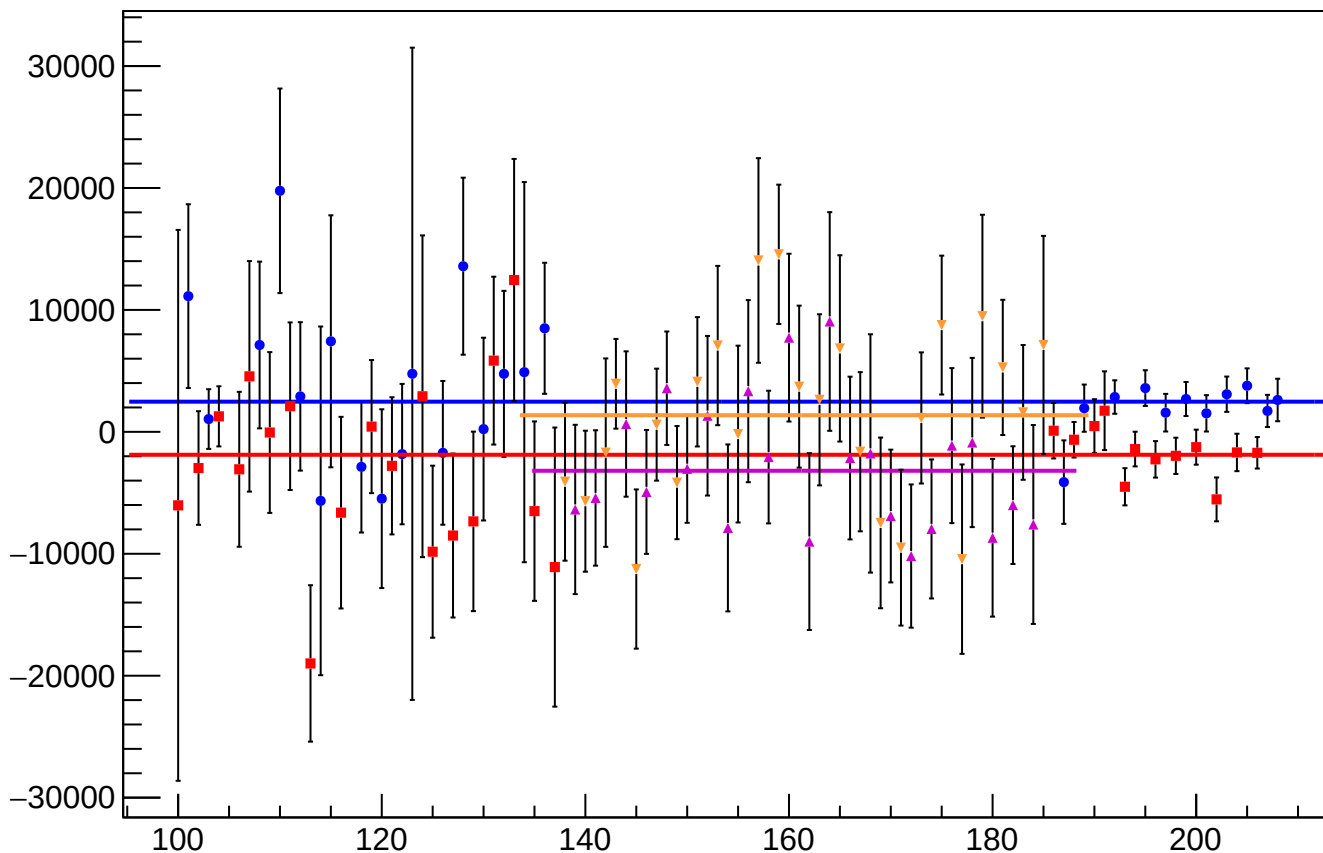
Left In: 4911.546 $\pm$ 0.846 χ^2 /NDF: 1043164.6/22

+ sign 4327.288 $\pm$ 0.547 χ^2 /NDF: 2713243.2/52

All: 4307.190 $\pm$ 0.387 χ^2 /NDF: 5820920.7/10

- sign 4287.100 $\pm$ 0.547 χ^2 /NDF: 3104982.5/53

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2475.086 $\pm$ 443.887 χ^2 /NDF: 20.6/27

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

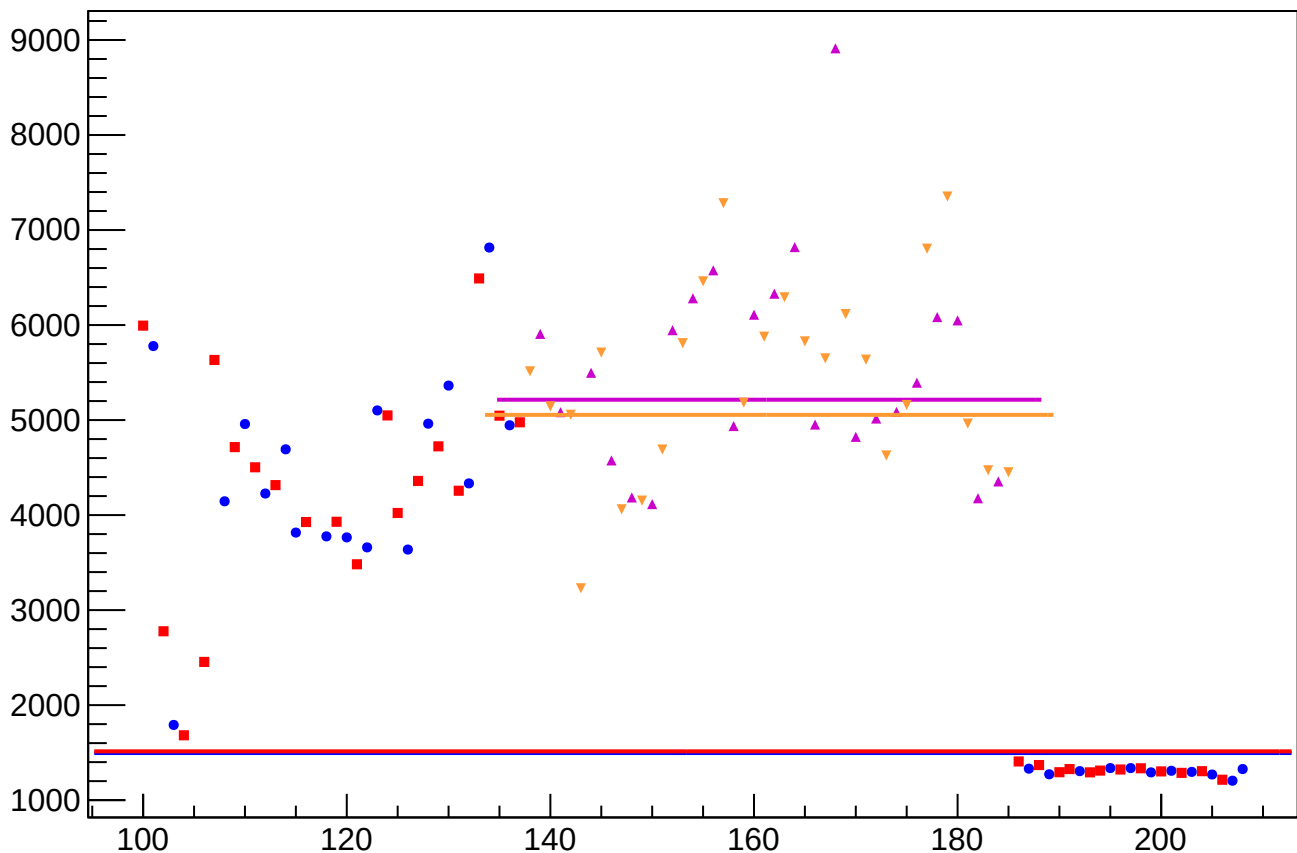
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 2342.704 $\pm$ 416.577 χ^2 /NDF: 49.3/52

All: 162.623 $\pm$ 294.698 χ^2 /NDF: 148.0/106

- sign -2021.418 $\pm$ 416.955 χ^2 /NDF: 43.9/53

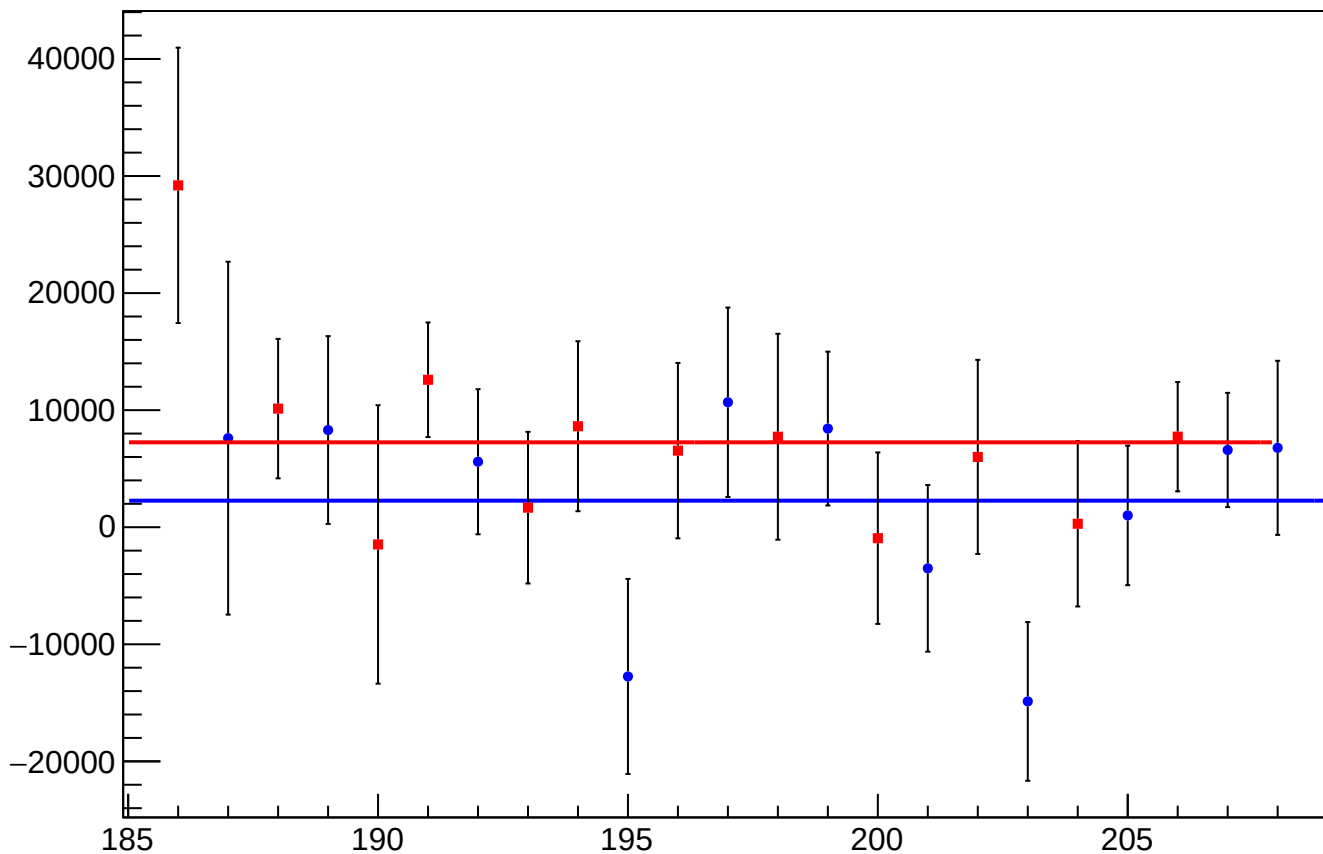
reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1495.685 $\pm$ 0.314 χ^2 /NDF: 5837969.3/27
 Left Out: 5054.711 $\pm$ 0.853 χ^2 /NDF: 1437224.7/24
 Right Out: 1513.553 $\pm$ 0.312 χ^2 /NDF: 5746095.3/30
 Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF: 1052501.5/22

+ sign 1920.141 $\pm$ 0.295 χ^2 /NDF: 22609065.9/52
 All: 1915.943 $\pm$ 0.208 χ^2 /NDF: 44561215.3/100
 - sign 1911.744 $\pm$ 0.295 χ^2 /NDF: 21951743.1/53

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 2267.180+/-2091.785 χ^2/NDF : 14.4/10

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

Right Out: 7251.852+/-1973.248 χ^2/NDF : 8.5/11

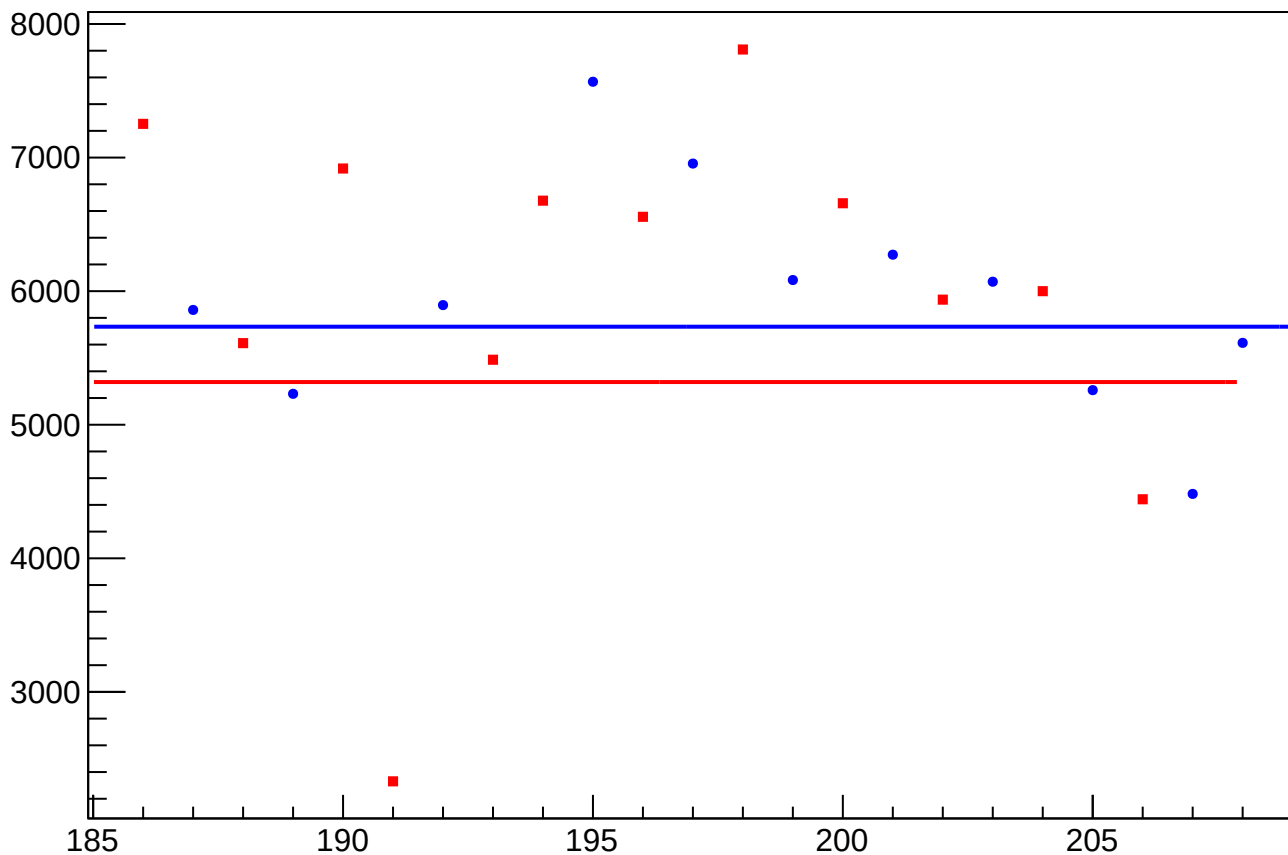
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 4904.746+/-1435.374 χ^2/NDF : 25.9/22

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5733.919+/-1.479 χ^2/NDF : 318697.1/10

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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

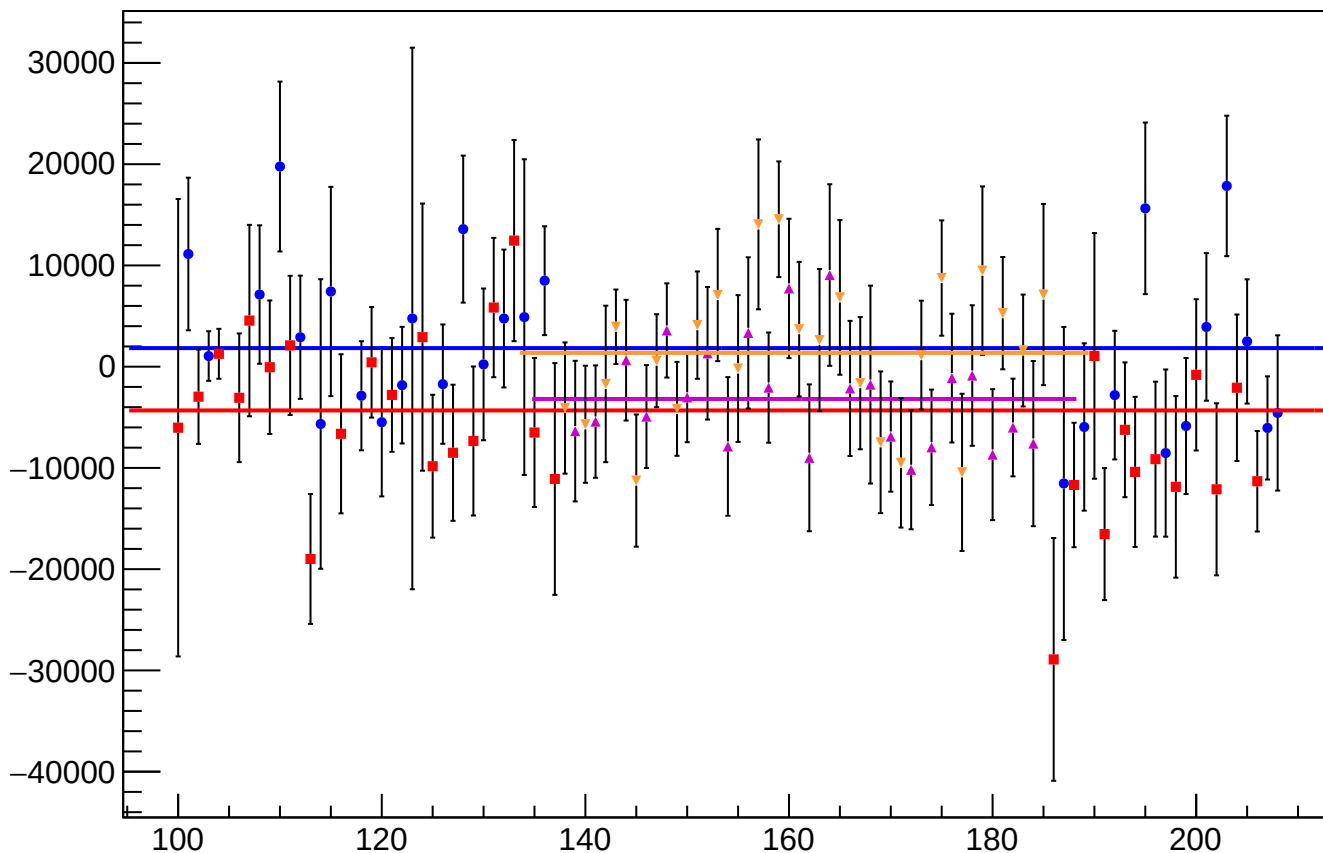
Right Out: 5319.633+/-1.395 χ^2/NDF : 1294076.0/11

All: 5514.706+/-1.015 χ^2/NDF : 1654284.0/22

- 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: 1835.434+/-1205.802 χ^2/NDF : 30.6/27

Left Out: 1365.082+/-1206.268 χ^2/NDF : 28.0/24

Right Out: -4321.137+/-1156.490 χ^2/NDF : 34.9/30

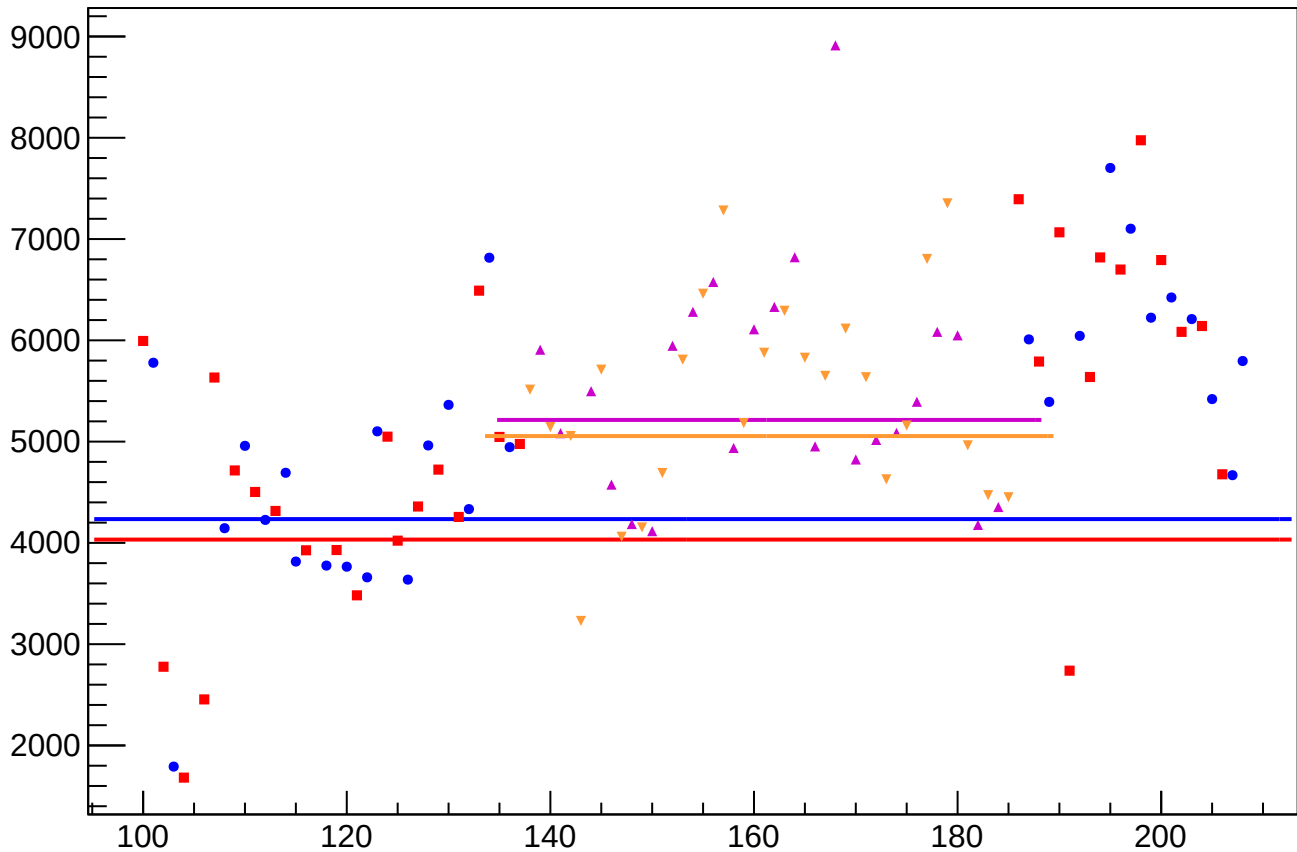
Left In: -3191.160+/-1270.021 χ^2/NDF : 14.0/22

+ sign 1600.349+/-852.795 χ^2/NDF : 58.6/52

All: -1097.016+/-603.826 χ^2/NDF : 128.0/106

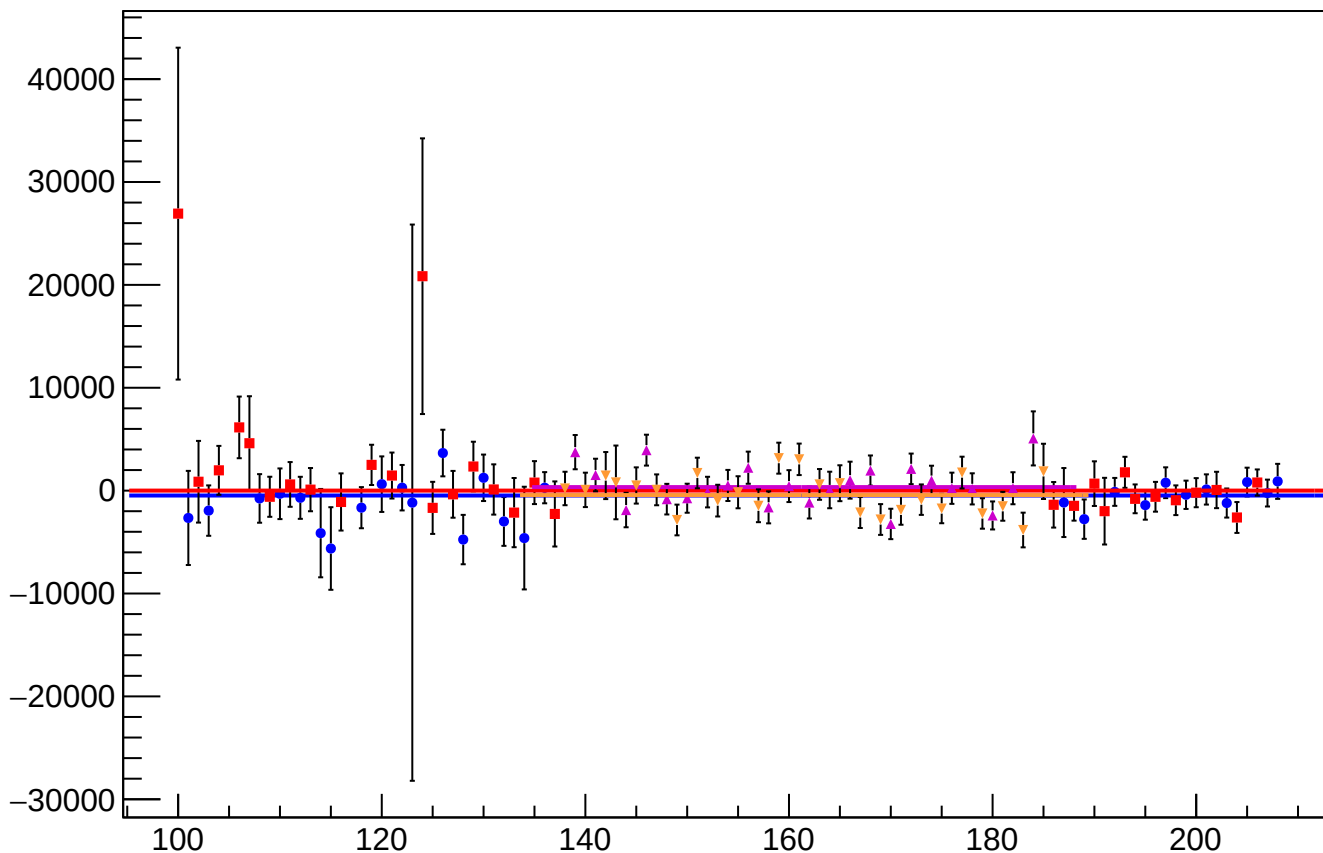
- sign -3808.902+/-855.088 χ^2/NDF : 49.3/53

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4234.883+/-0.853	χ^2/NDF : 3810279.1/27	+ sign 4644.632+/-0.603	χ^2/NDF : 5709601.0/52
Left Out: 5054.711+/-0.853	χ^2/NDF : 1437224.7/24	All: 4604.512+/-0.426	χ^2/NDF : 12341219.0/1
Right Out: 4032.680+/-0.812	χ^2/NDF : 4618557.2/30	- sign 4564.459+/-0.602	χ^2/NDF : 6622772.1/53
Left In: 5214.120+/-0.898	χ^2/NDF : 1052501.5/22		

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -474.817 ± 364.833 χ^2/NDF : 17.4/27

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 4.300 ± 362.925 χ^2/NDF : 23.7/30

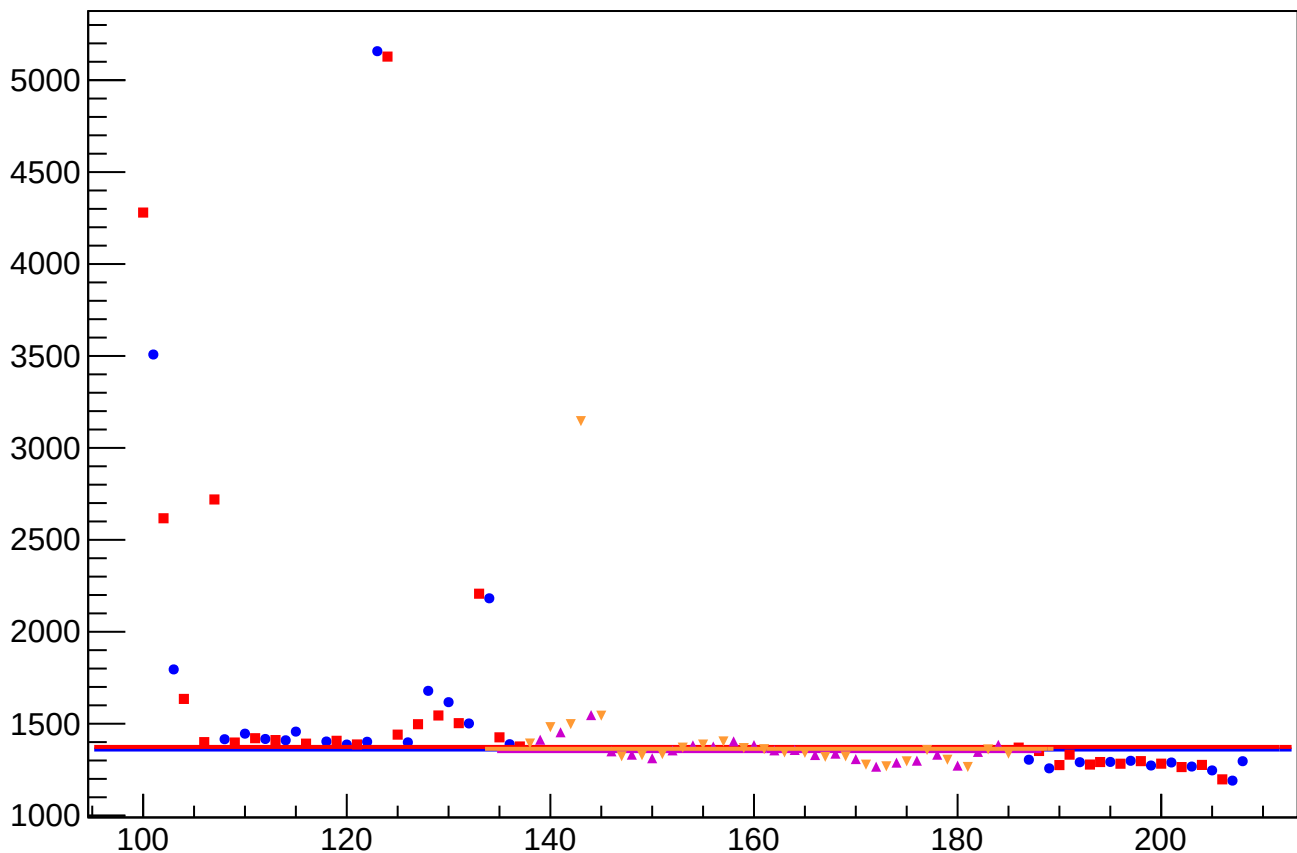
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -450.492 ± 240.802 χ^2/NDF : 50.5/52

All: -130.143 ± 170.642 χ^2/NDF : 112.0/106

- sign 193.001 ± 241.850 χ^2/NDF : 57.9/53

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1359.580+/-0.258 χ^2/NDF : 766490.1/27

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1373.836+/-0.257 χ^2/NDF : 862013.7/30

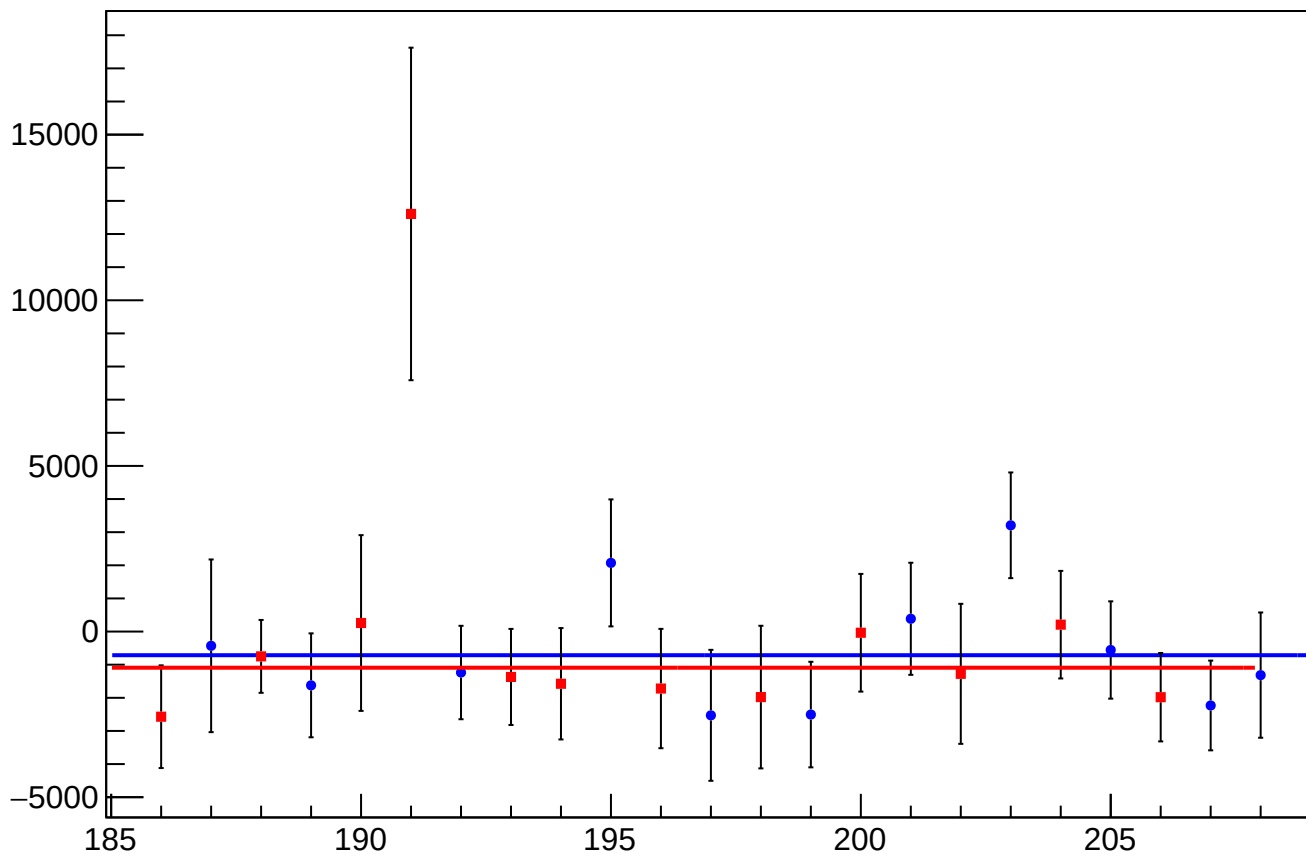
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1361.827+/-0.170 χ^2/NDF : 1341851.2/52

All: 1361.460+/-0.121 χ^2/NDF : 2275455.8/10

- sign 1361.090+/-0.171 χ^2/NDF : 933595.2/53

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -713.758+/-499.388 χ^2/NDF : 12.5/10

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

Right Out: -1091.282+/-484.504 χ^2/NDF : 10.6/11

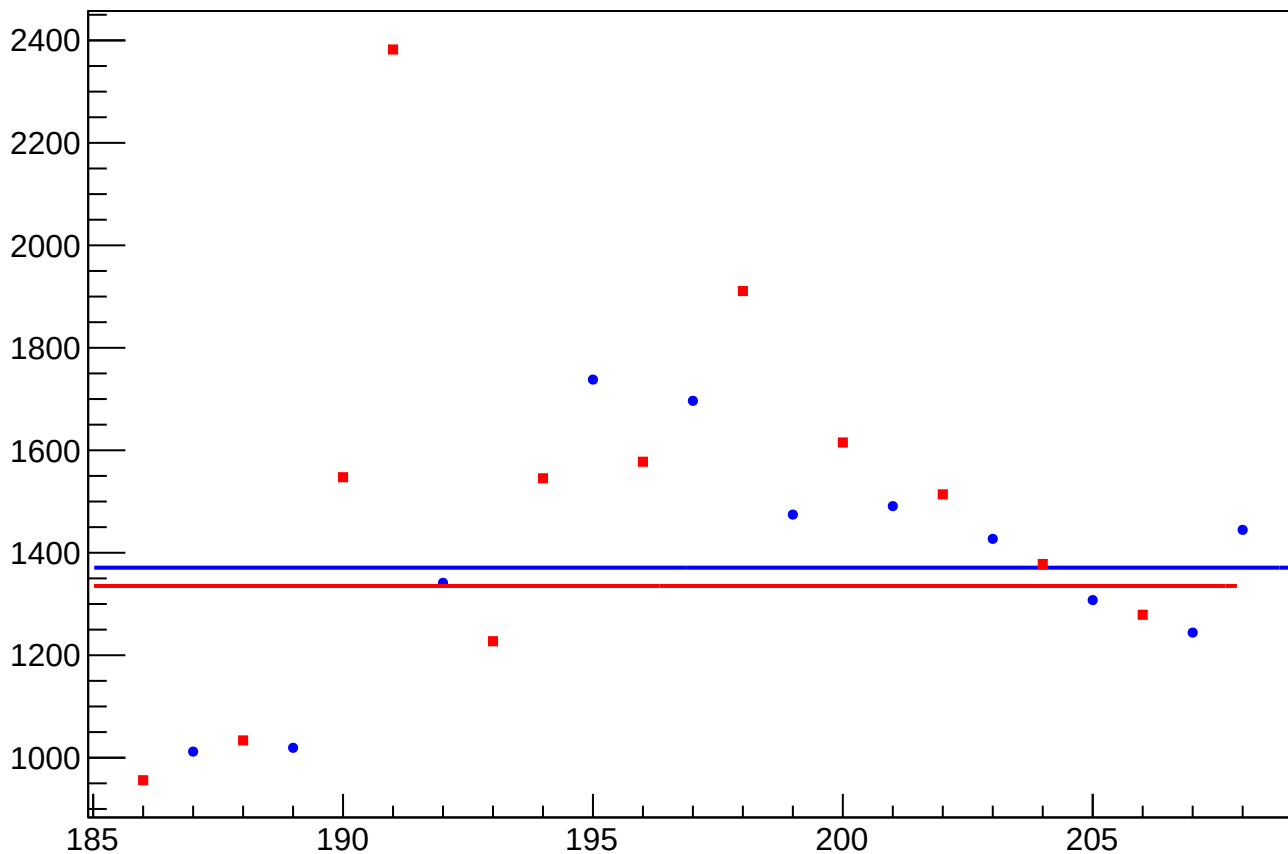
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: -908.230+/-347.739 χ^2/NDF : 23.4/22

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1370.886 $\pm$ 0.353 χ^2 /NDF: 312224.1/10

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

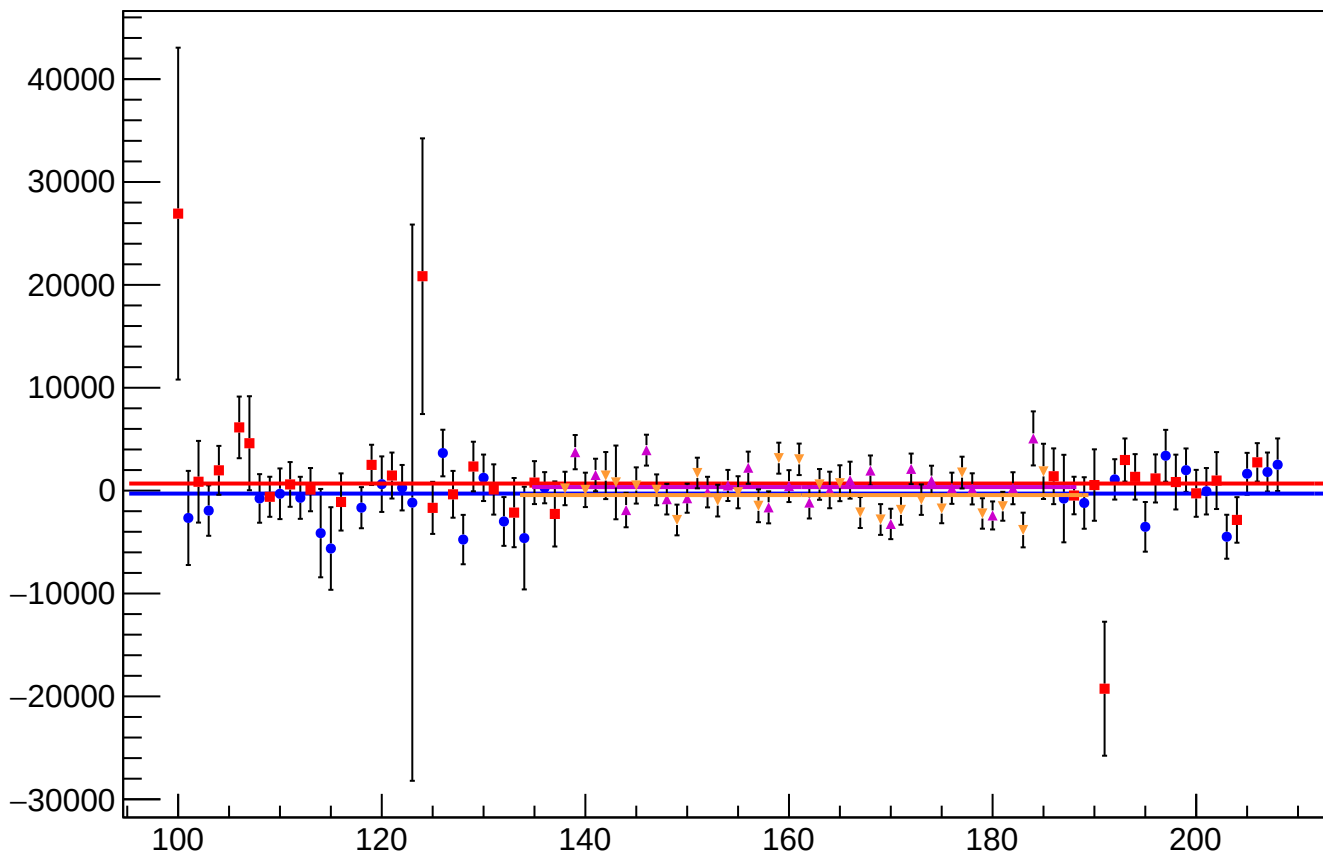
Right Out: 1335.239 $\pm$ 0.343 χ^2 /NDF: 660359.6/11

All: 1352.523 $\pm$ 0.246 χ^2 /NDF: 977833.3/22

- 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: -287.570 ± 454.355 χ^2/NDF : 26.1/27

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 689.206 ± 450.735 χ^2/NDF : 29.5/30

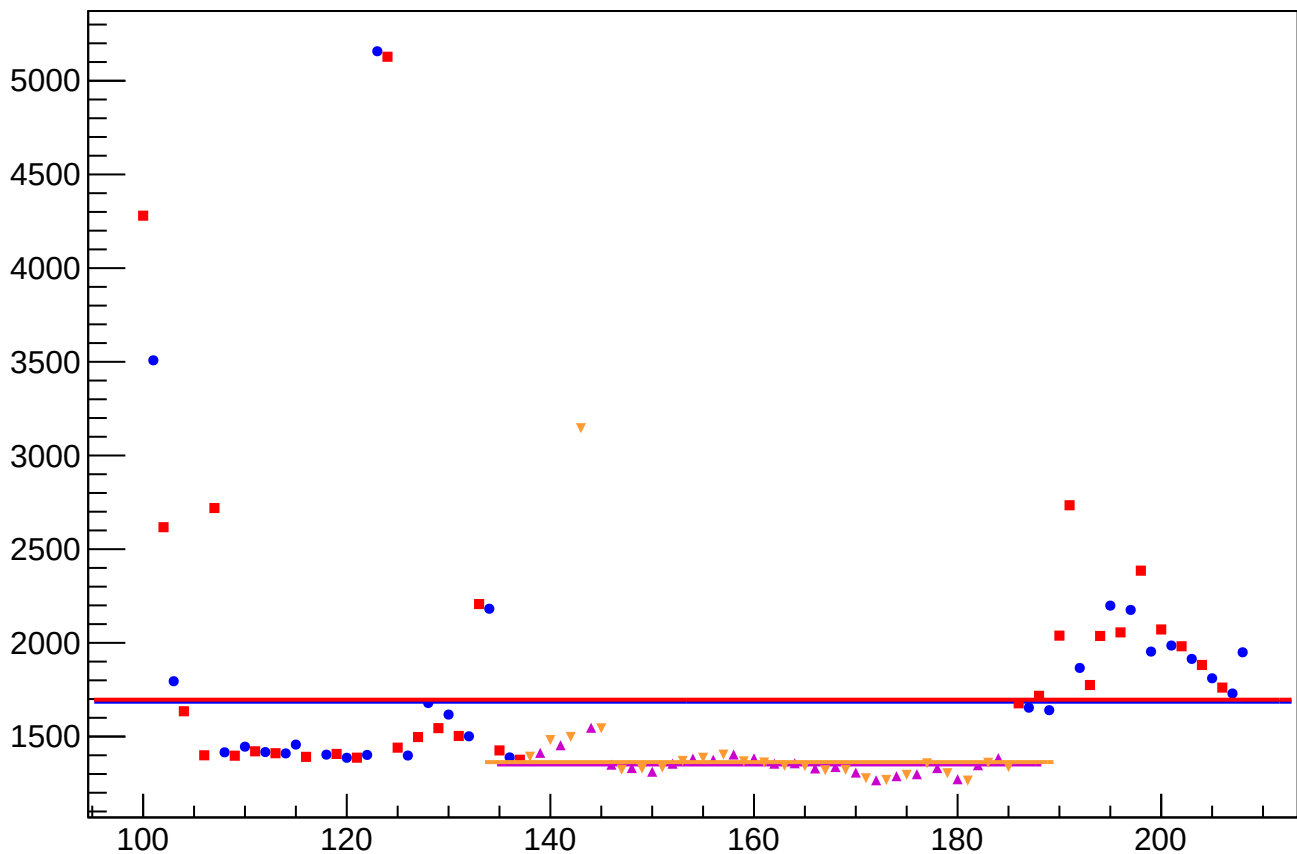
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -383.814 ± 261.920 χ^2/NDF : 59.2/52

All: 36.707 ± 185.685 χ^2/NDF : 128.1/106

- sign 461.607 ± 263.281 χ^2/NDF : 63.6/53

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1685.948+/-0.321 χ^2 /NDF: 993018.7/27

Left Out: 1363.561+/-0.227 χ^2 /NDF: 575226.6/24

Right Out: 1696.634+/-0.319 χ^2 /NDF: 1183462.6/30

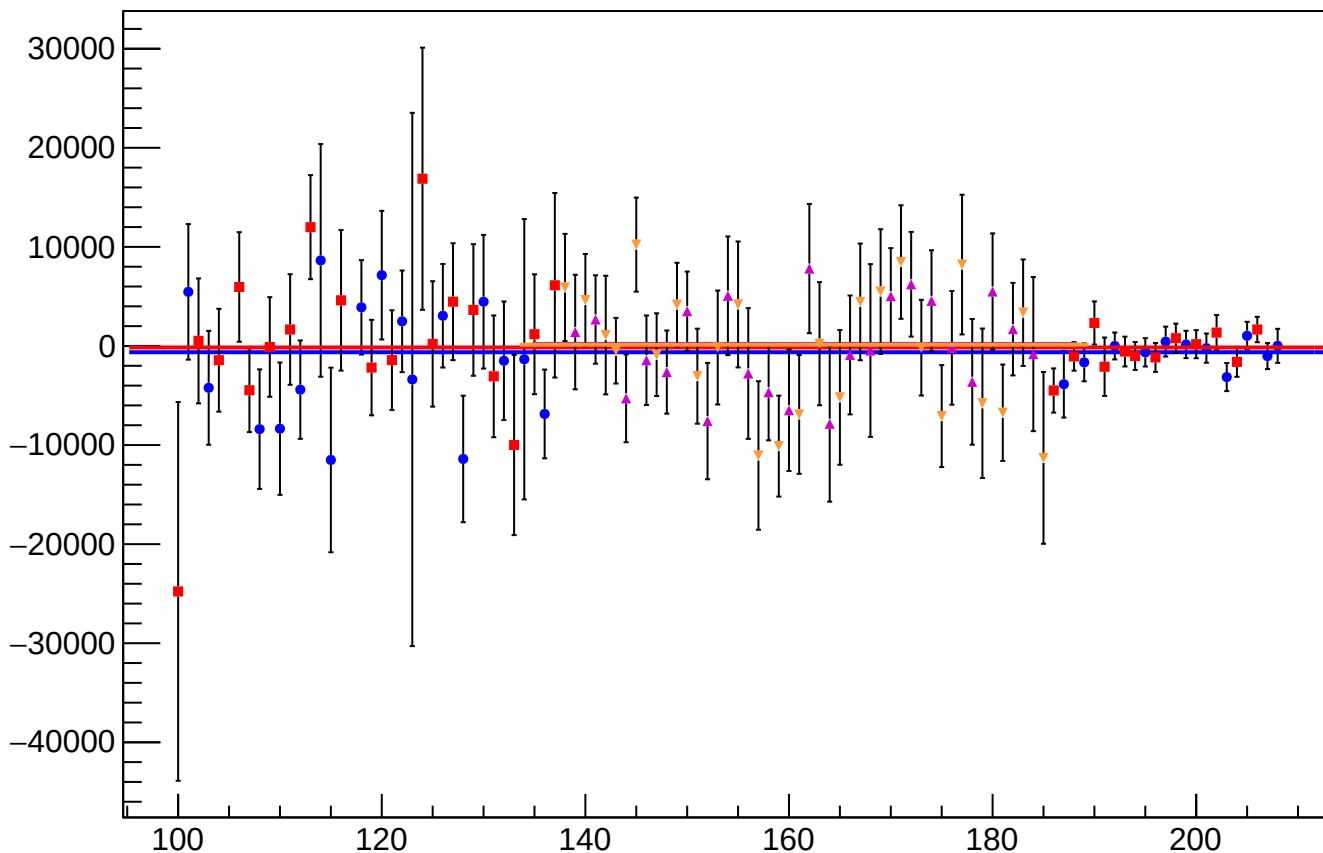
Left In: 1350.909+/-0.229 χ^2 /NDF: 67144.5/22

+ sign 1470.695+/-0.185 χ^2 /NDF: 2240553.4/52

All: 1469.786+/-0.131 χ^2 /NDF: 4266407.6/10

- sign 1468.867+/-0.186 χ^2 /NDF: 2025805.8/53

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -631.957 ± 439.534 χ^2/NDF : 22.4/27

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -151.179 ± 435.109 χ^2/NDF : 25.6/30

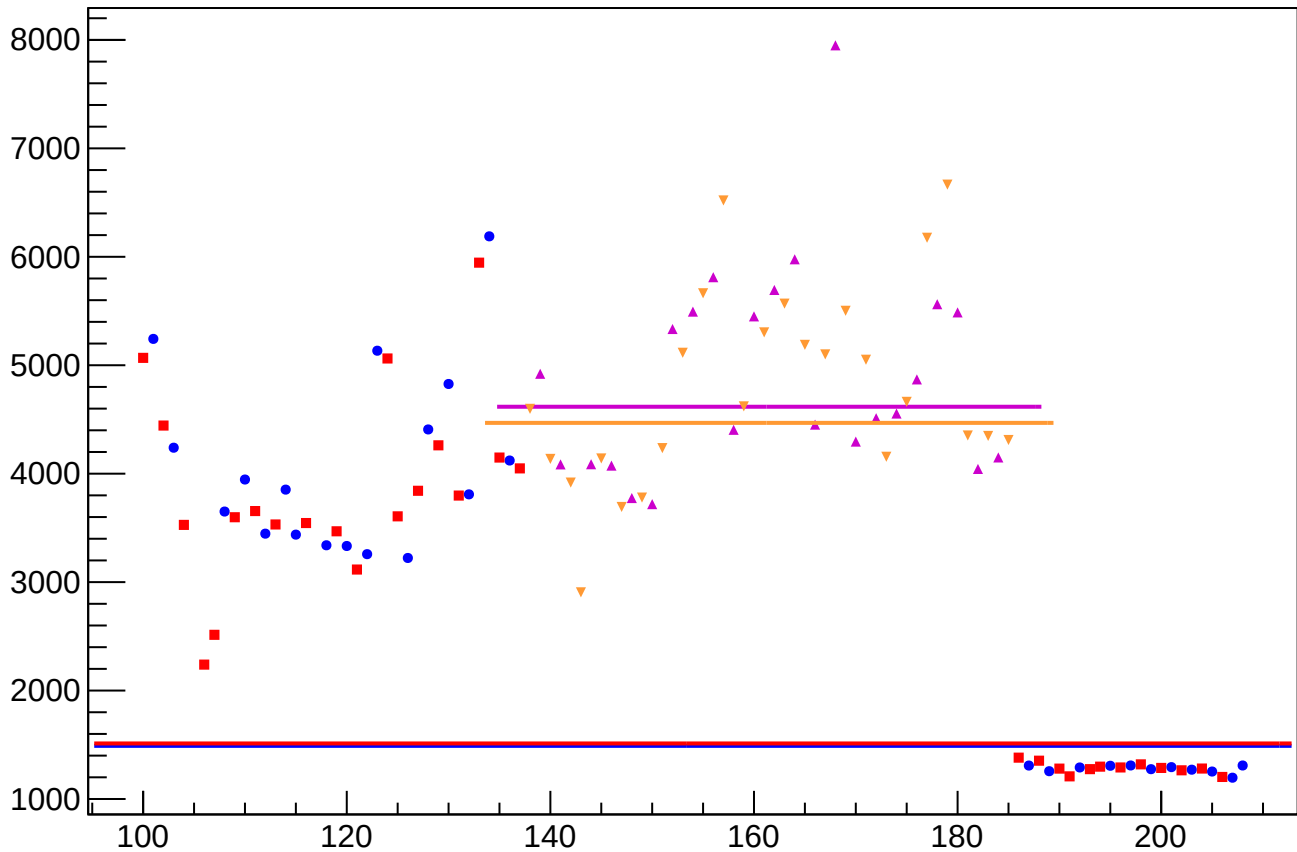
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -520.848 ± 406.323 χ^2/NDF : 51.0/52

All: -312.804 ± 287.109 χ^2/NDF : 91.9/106

- sign -105.354 ± 405.743 χ^2/NDF : 40.4/53

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1490.165+/-0.311 χ^2/NDF : 5595270.7/27

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 1512.238+/-0.307 χ^2/NDF : 5397317.8/30

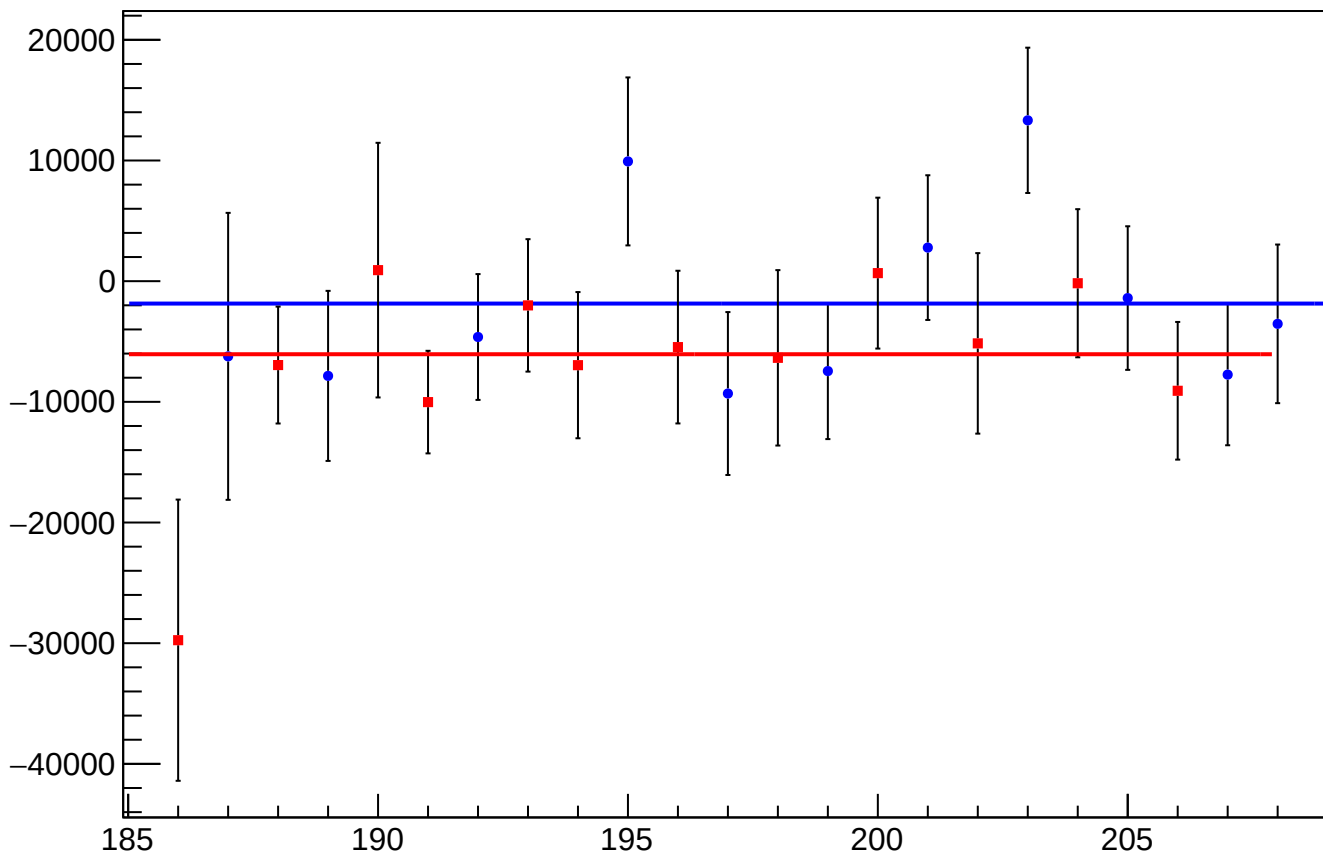
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 1923.252+/-0.287 χ^2/NDF : 20329464.8/52

All: 1919.901+/-0.203 χ^2/NDF : 40013886.9/100

- sign 1916.565+/-0.287 χ^2/NDF : 19684150.6/53

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -1855.747+/-1910.209 χ^2 /NDF: 14.3/10

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

Right Out: -6053.642+/-1769.234 χ^2 /NDF: 8.4/11

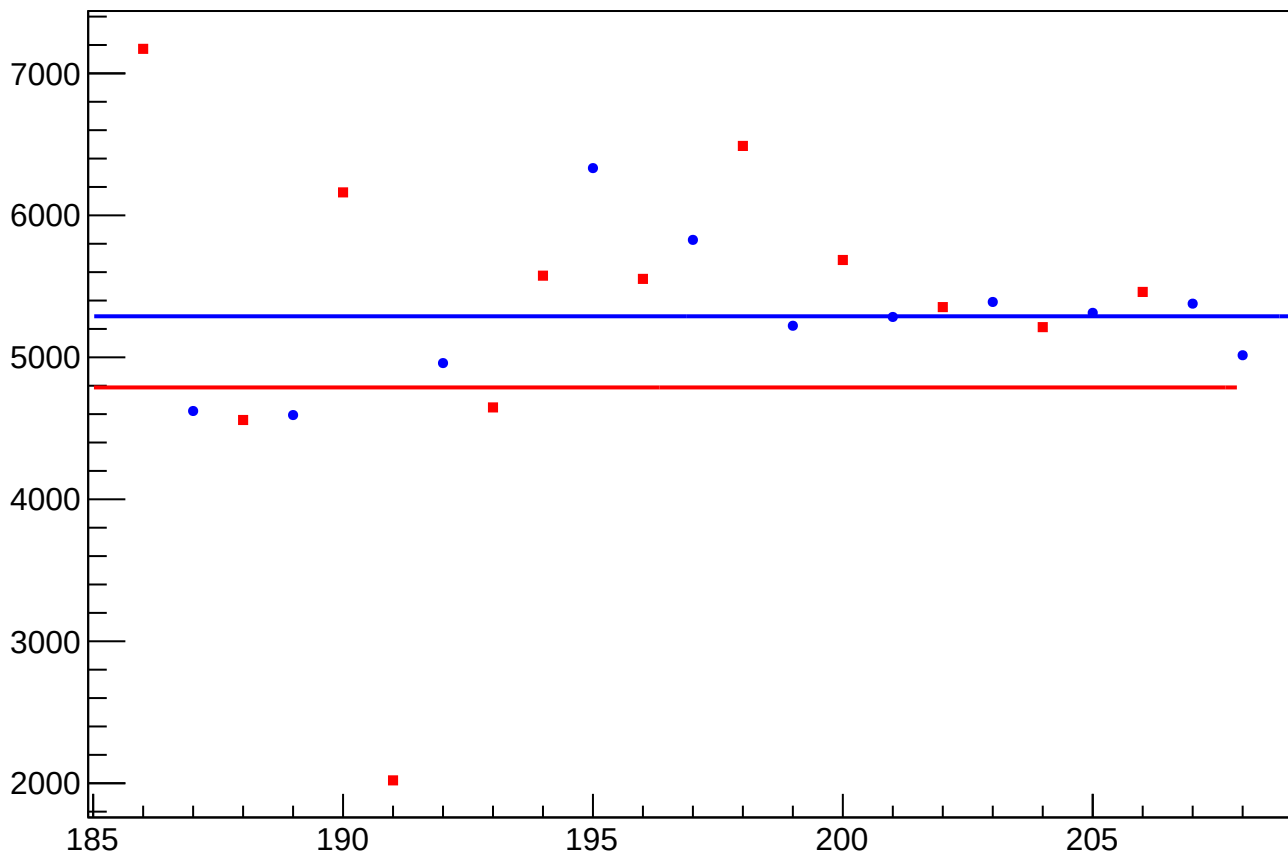
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -4115.298+/-1298.018 χ^2 /NDF: 25.3/22

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5289.110+/-1.351 χ^2 /NDF: 96305.5/10

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

Right Out: 4787.976+/-1.251 χ^2 /NDF: 1234325.6/11

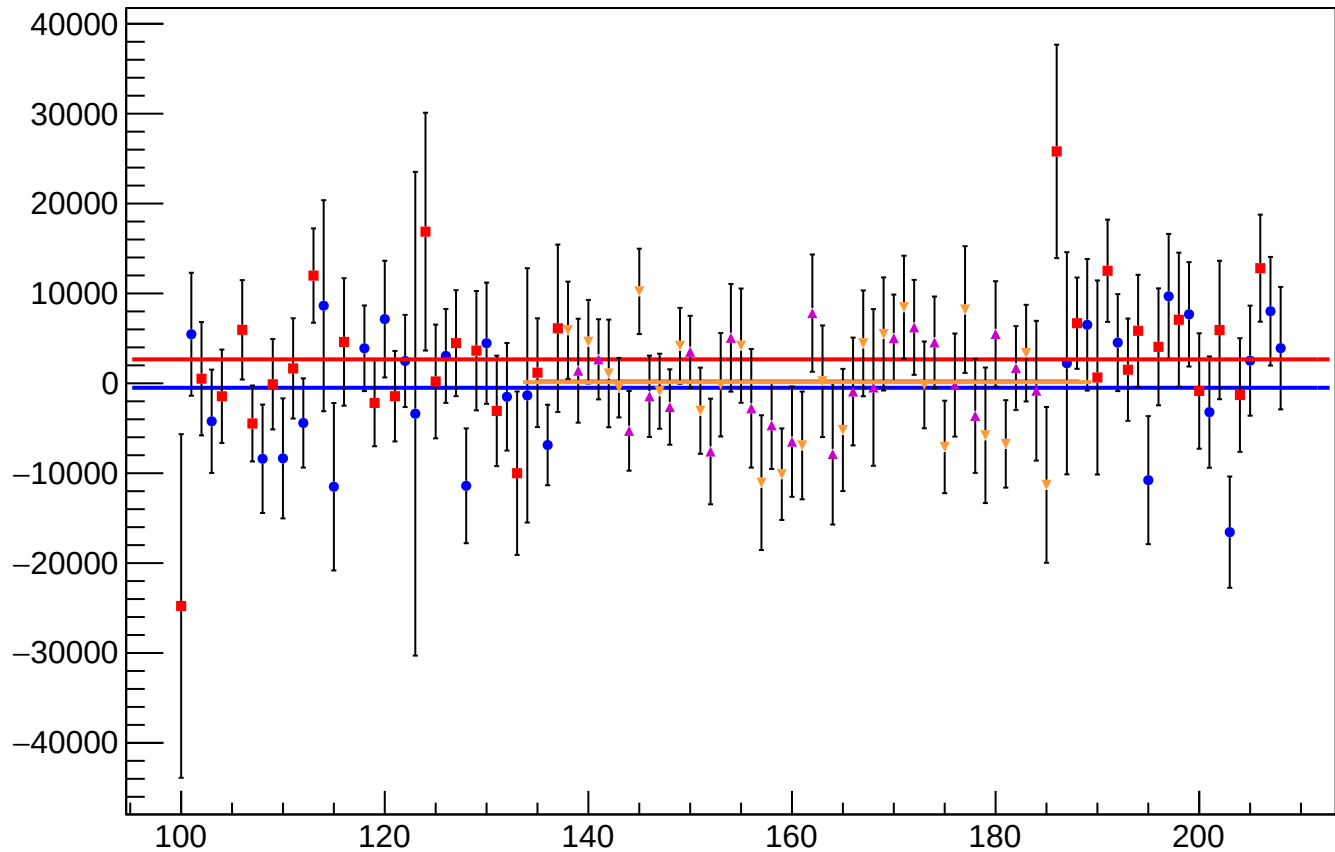
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 5019.370+/-0.918 χ^2 /NDF: 1404722.1/22

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -494.150+/-1202.317 χ^2/NDF : 33.1/27

Left Out: 132.142+/-1065.543 χ^2/NDF : 28.1/24

Right Out: 2668.379+/-1116.899 χ^2/NDF : 27.6/30

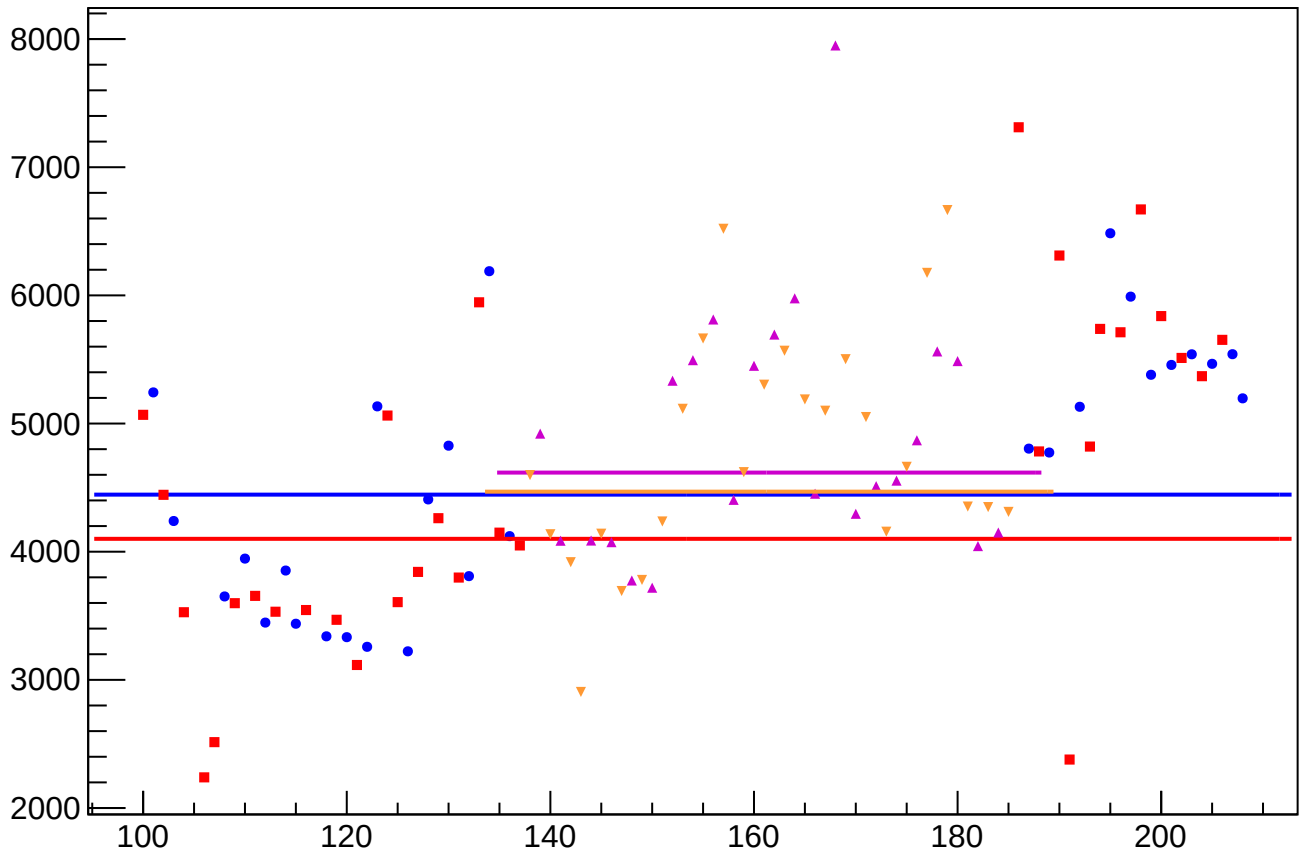
Left In: 200.182+/-1123.499 χ^2/NDF : 14.7/22

+ sign -143.369+/-797.444 χ^2/NDF : 61.4/52

All: 654.430+/-561.976 χ^2/NDF : 108.1/106

- sign 1441.552+/-792.090 χ^2/NDF : 44.8/53

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4445.329+/-0.850 χ^2/NDF : 1254603.9/27

Left Out: 4468.520+/-0.753 χ^2/NDF : 1380601.0/24

Right Out: 4100.458+/-0.785 χ^2/NDF : 2315879.5/30

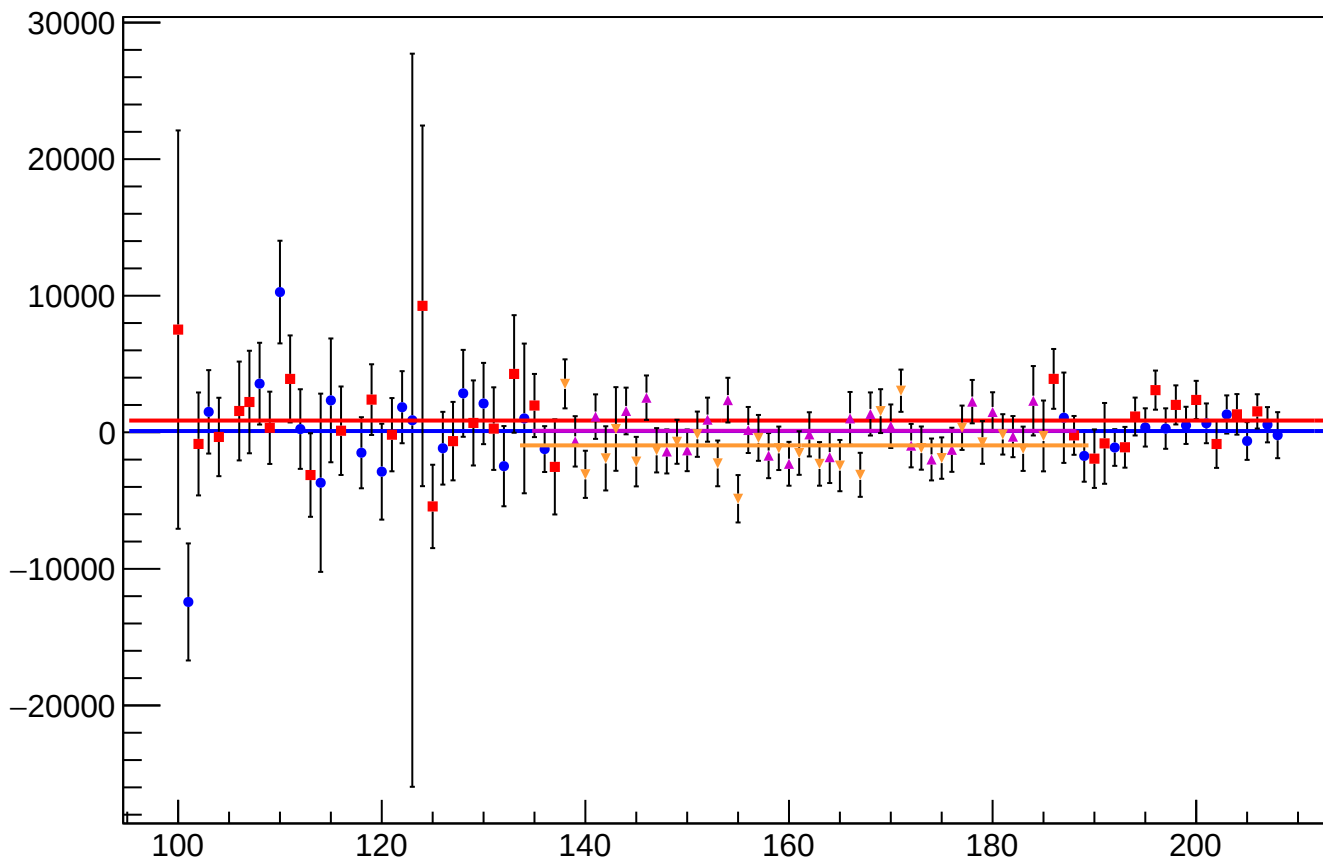
Left In: 4617.293+/-0.794 χ^2/NDF : 999599.8/22

+ sign 4458.318+/-0.564 χ^2/NDF : 2635621.7/52

All: 4406.556+/-0.397 χ^2/NDF : 6181933.9/10

- sign 4355.796+/-0.558 χ^2/NDF : 3529622.0/53

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 92.255+/-387.645 χ^2/NDF : 25.7/27

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 859.862+/-384.909 χ^2/NDF : 22.6/30

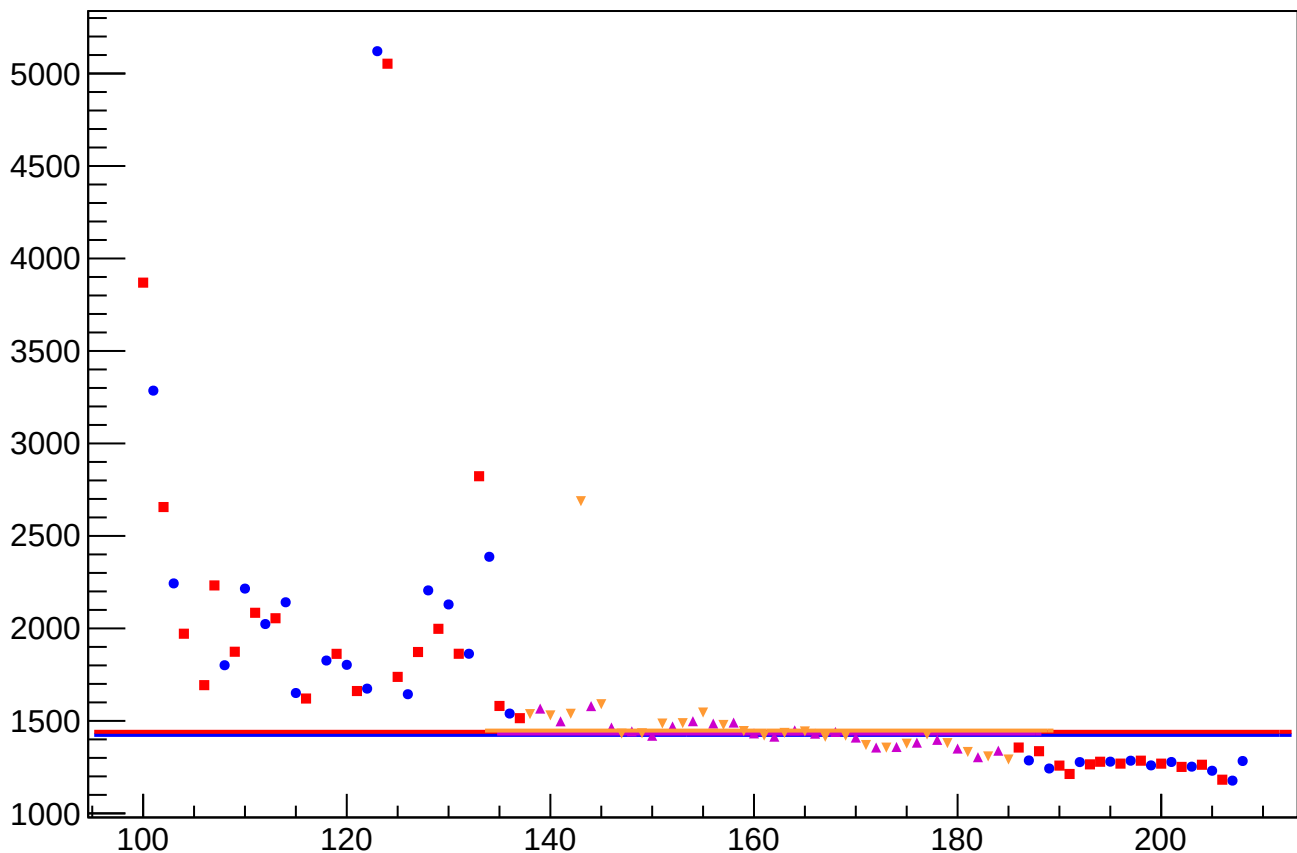
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -502.345+/-255.397 χ^2/NDF : 58.4/52

All: -32.321+/-180.930 χ^2/NDF : 109.4/106

- sign 441.230+/-256.353 χ^2/NDF : 44.2/53

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1424.391+/-0.274 χ^2/NDF : 1535756.0/27

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1441.066+/-0.272 χ^2/NDF : 1565215.5/30

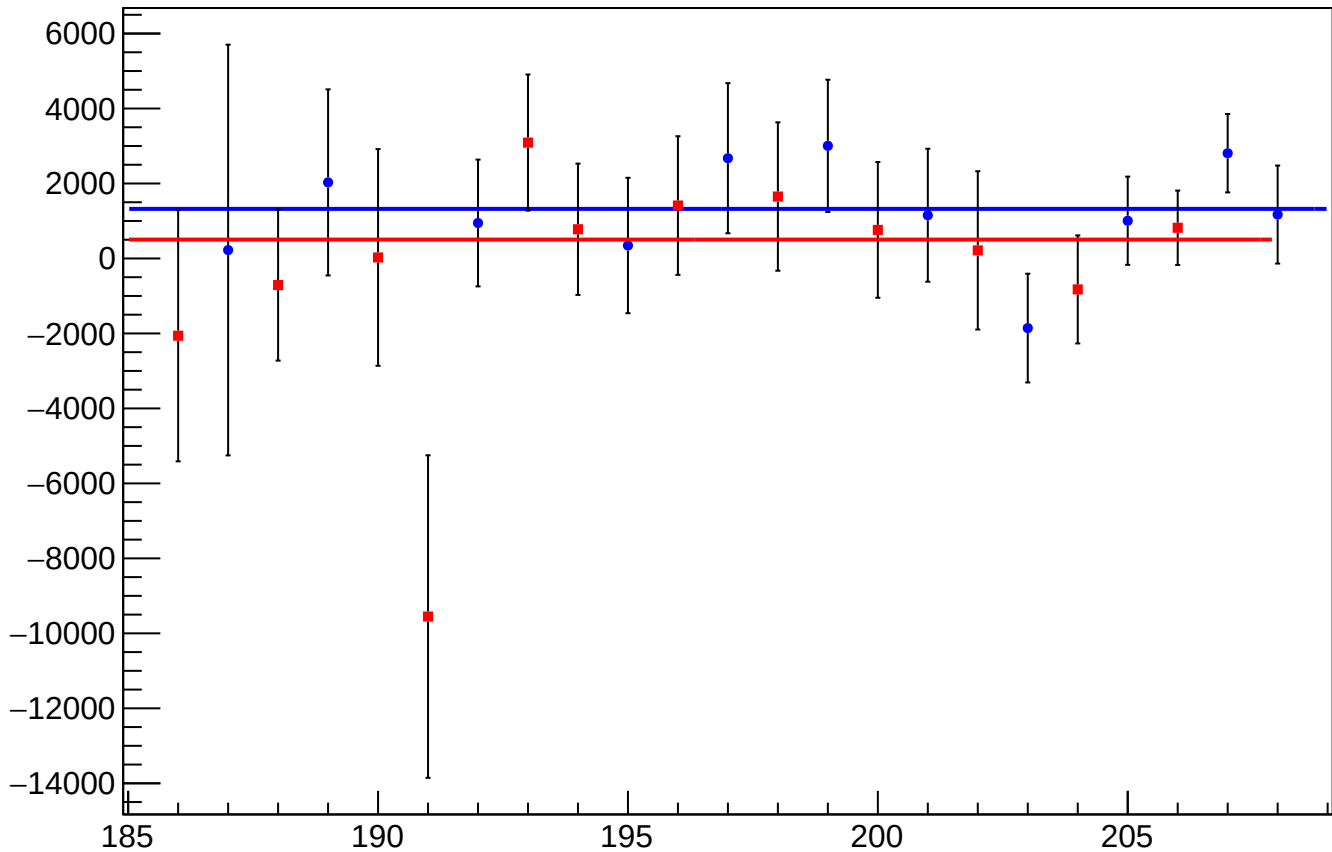
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1437.500+/-0.181 χ^2/NDF : 1959052.1/52

All: 1436.613+/-0.128 χ^2/NDF : 3600140.3/10

- sign 1435.719+/-0.181 χ^2/NDF : 1641039.7/53

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1322.640+/-474.698 χ^2/NDF : 8.7/10

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

Right Out: 503.770+/-518.877 χ^2/NDF : 10.1/11

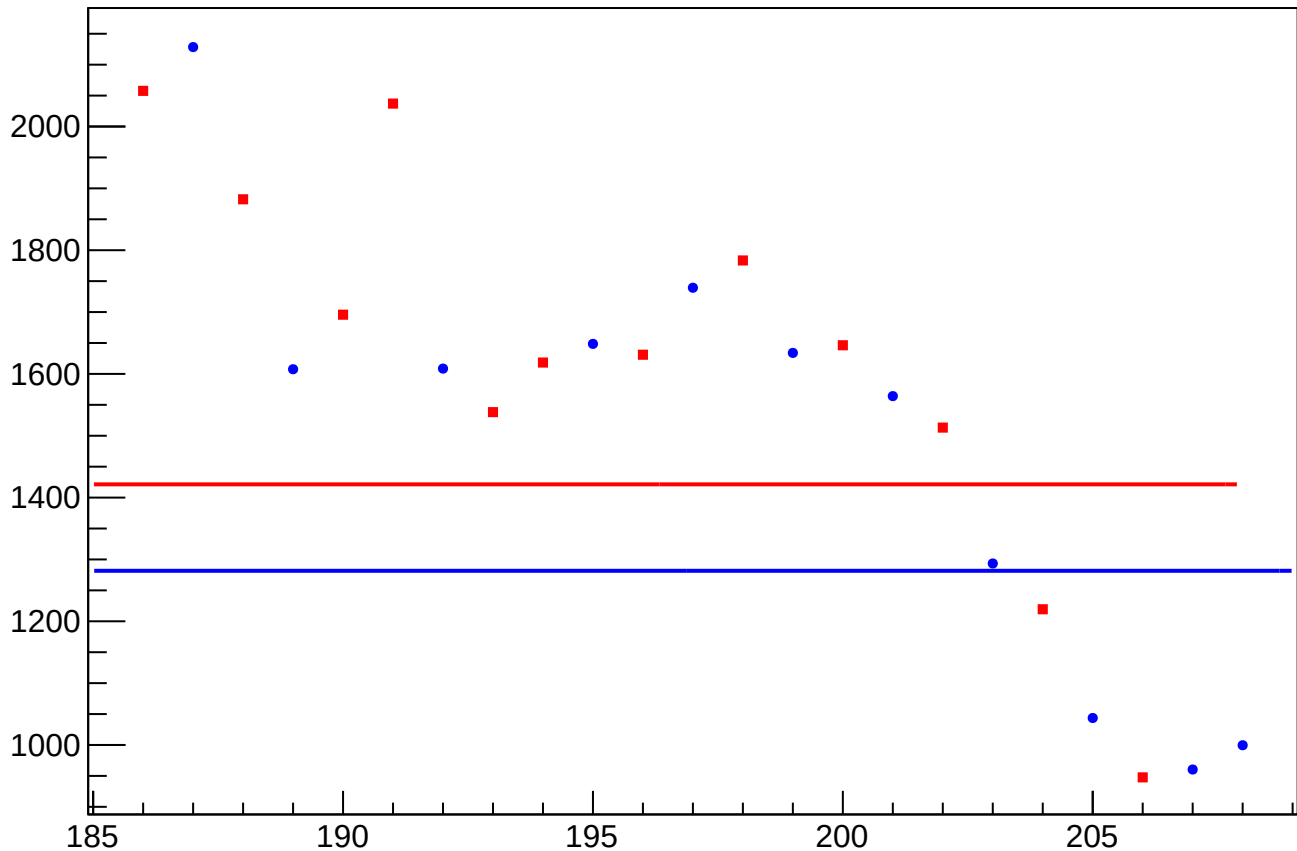
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 949.544+/-350.241 χ^2/NDF : 20.2/22

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1281.651+/-0.336 χ^2/NDF : 838452.7/10

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

Right Out: 1421.407+/-0.367 χ^2/NDF : 892334.8/11

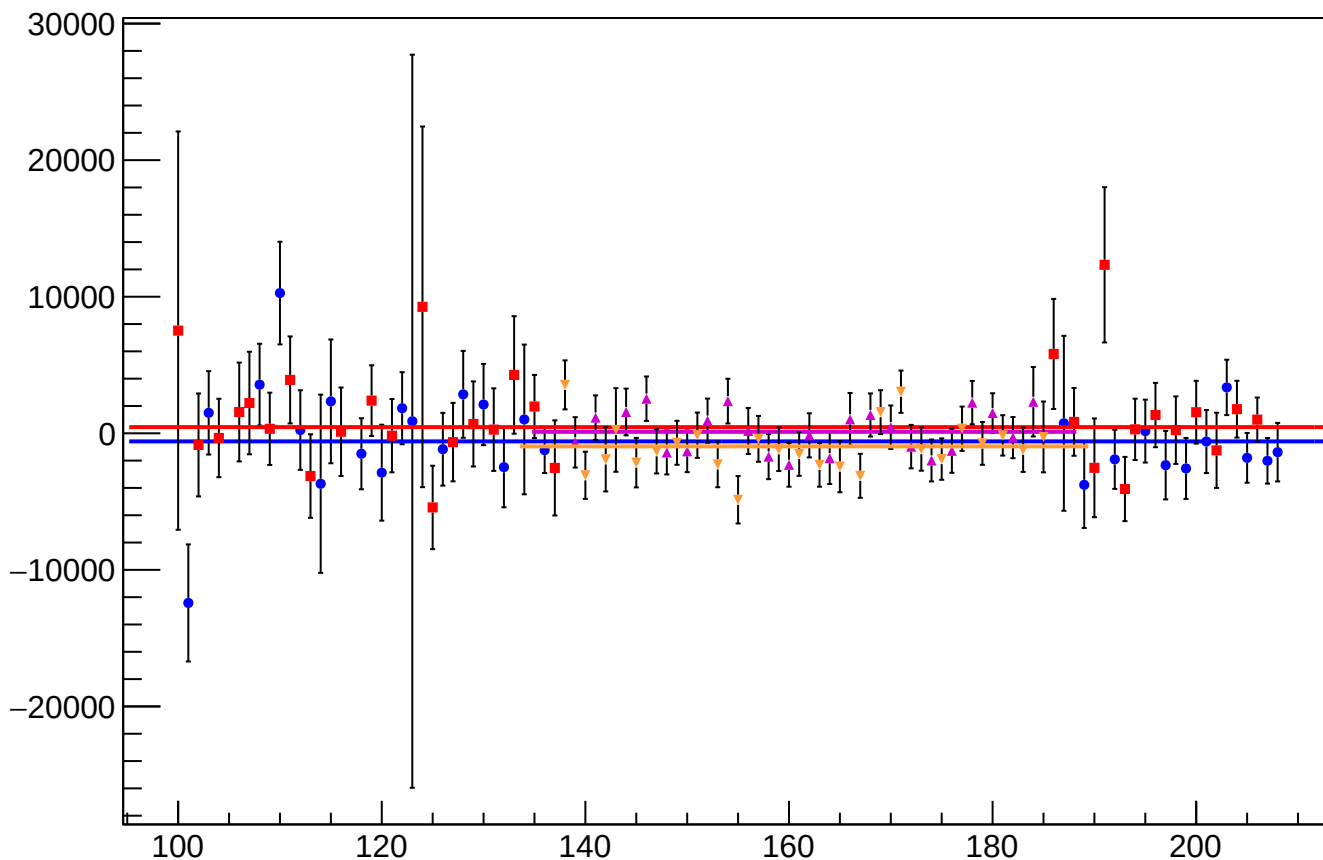
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1345.327+/-0.248 χ^2/NDF : 1809772.0/22

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -592.860 ± 502.599 χ^2/NDF : 31.1/27

Left Out: -958.410 ± 339.496 χ^2/NDF : 28.5/24

Right Out: 450.852 ± 510.631 χ^2/NDF : 22.0/30

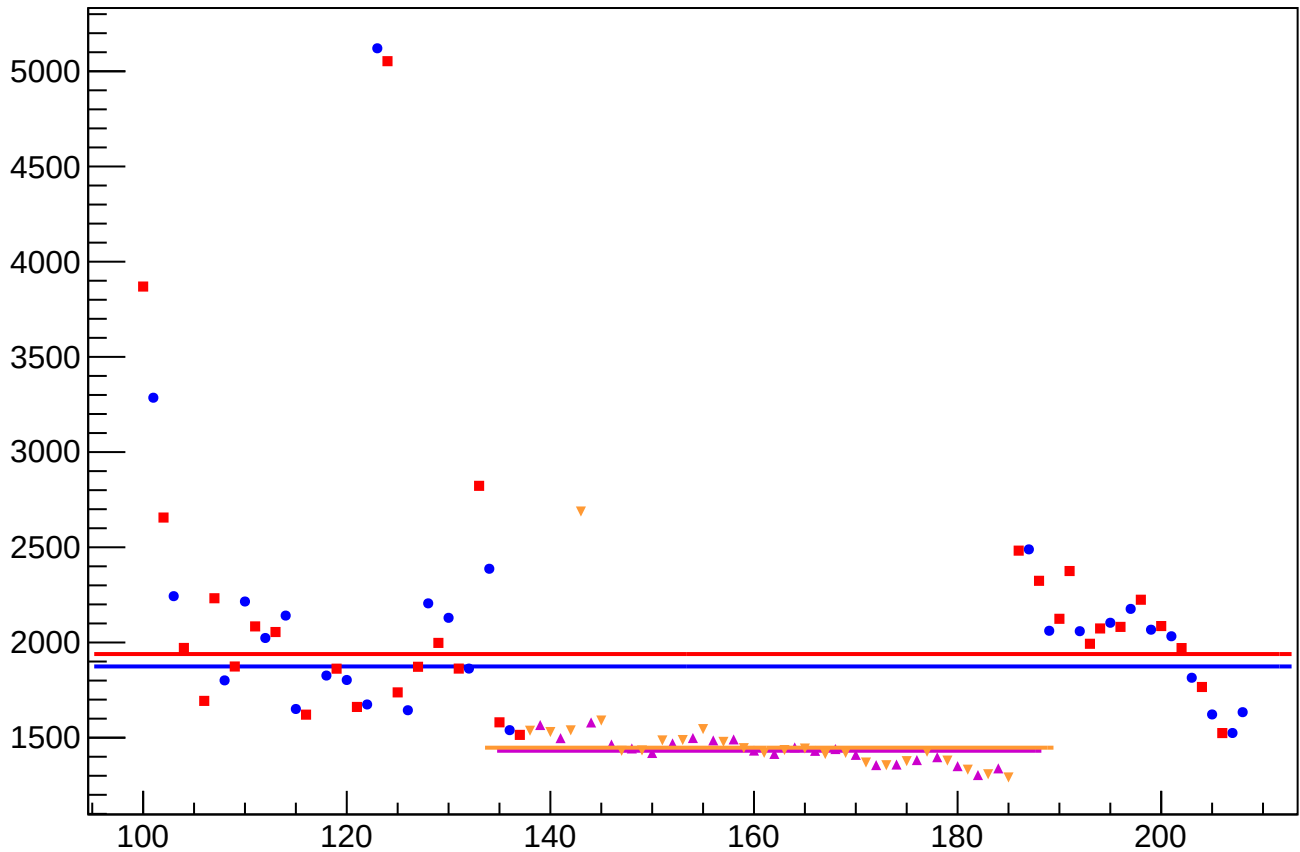
Left In: 107.512 ± 343.663 χ^2/NDF : 19.5/22

+ sign -843.877 ± 281.328 χ^2/NDF : 60.0/52

All: -321.725 ± 200.252 χ^2/NDF : 108.7/106

- sign 214.547 ± 285.106 χ^2/NDF : 41.8/53

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1874.161 $\pm$ 0.355 χ^2/NDF : 733848.9/27

Left Out: 1447.554 $\pm$ 0.240 χ^2/NDF : 419254.7/24

Right Out: 1939.291 $\pm$ 0.361 χ^2/NDF : 762465.5/30

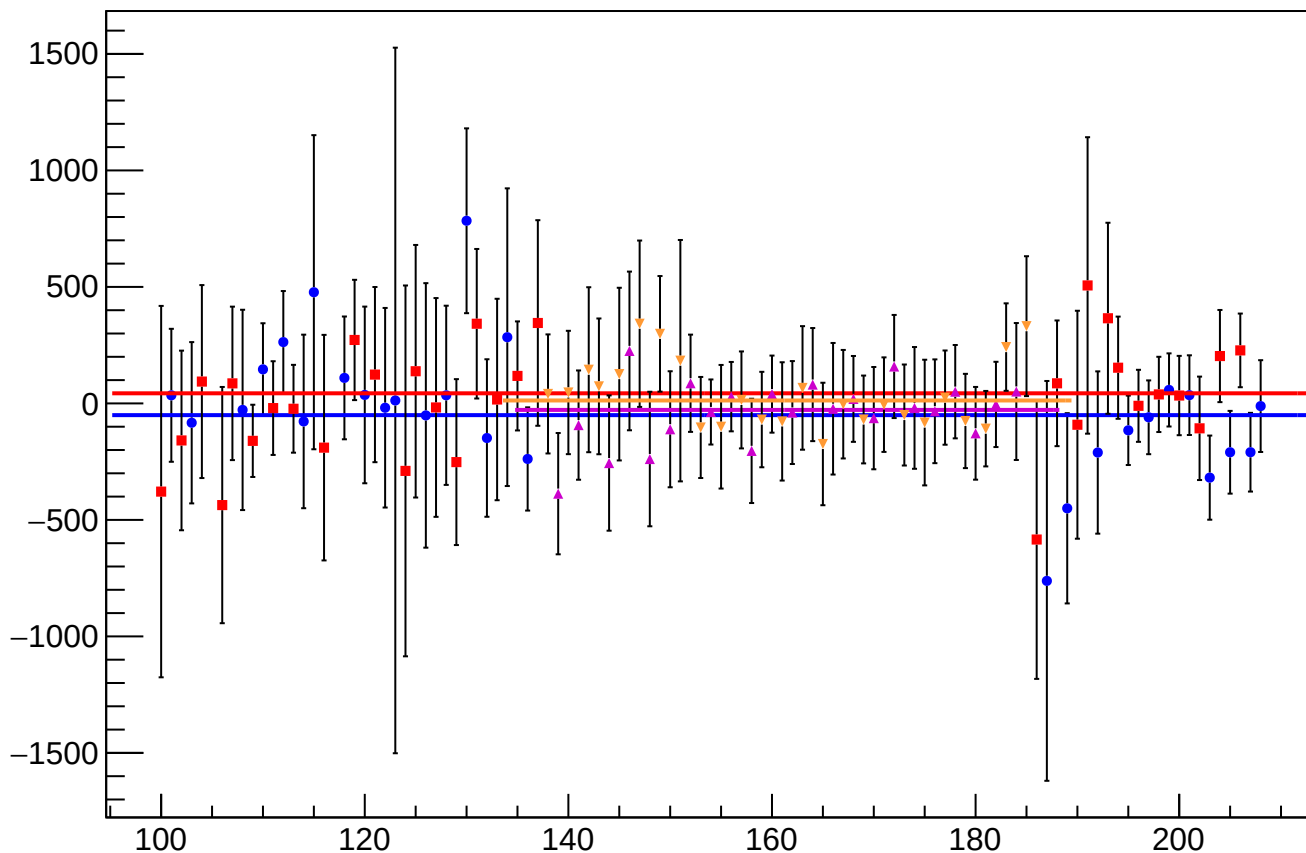
Left In: 1431.456 $\pm$ 0.243 χ^2/NDF : 75130.4/22

+ sign 1581.218 $\pm$ 0.199 χ^2/NDF : 2142568.4/52

All: 1585.438 $\pm$ 0.142 χ^2/NDF : 4342573.2/10

- sign 1589.773 $\pm$ 0.202 χ^2/NDF : 2199092.5/53

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -50.328 ± 46.860 χ^2/NDF : 16.5/27

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 43.358 ± 46.908 χ^2/NDF : 12.0/30

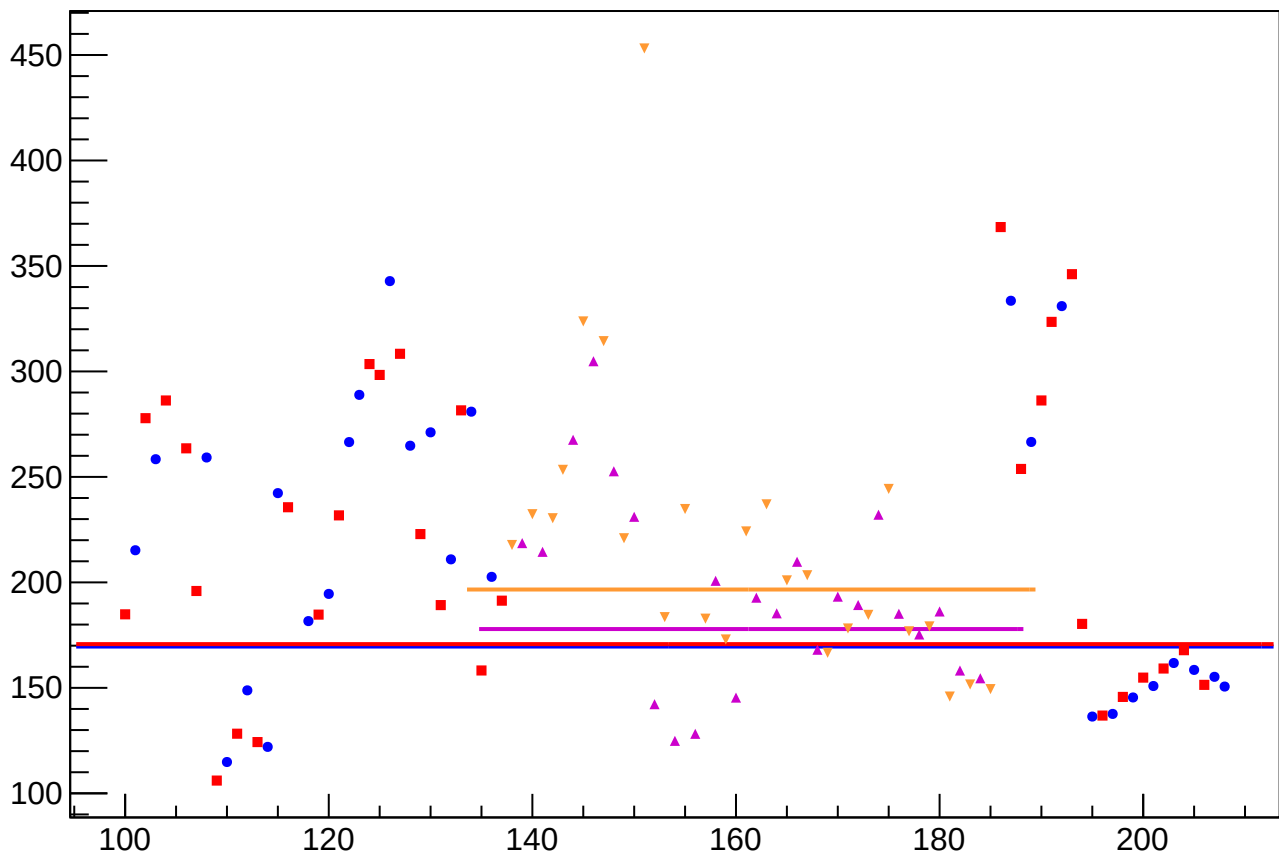
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign -19.272 ± 33.354 χ^2/NDF : 25.0/52

All: -6.300 ± 23.201 χ^2/NDF : 45.1/106

- sign 5.860 ± 32.293 χ^2/NDF : 19.8/53

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.585 $\pm$ 0.033 χ^2 /NDF: 2111119.2/27

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 170.734 $\pm$ 0.033 χ^2 /NDF: 2773915.4/30

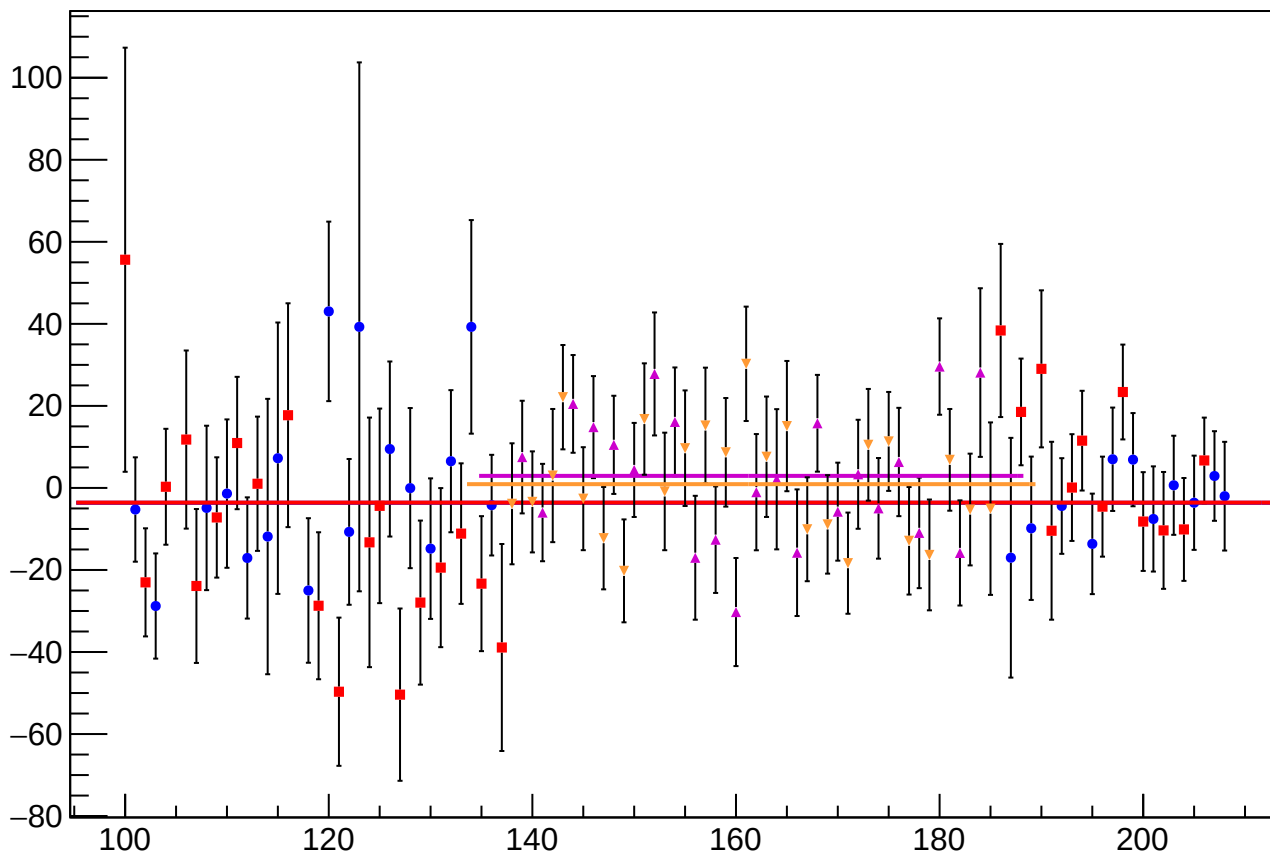
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 182.923 $\pm$ 0.024 χ^2 /NDF: 4233039.4/52

All: 178.572 $\pm$ 0.016 χ^2 /NDF: 8741398.9/106

- sign 174.492 $\pm$ 0.023 χ^2 /NDF: 4442400.9/53

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.619 $\pm$ 2.891 χ^2 /NDF: 18.6/27

Left Out: 0.920 $\pm$ 2.696 χ^2 /NDF:24.0/24

Right Out: -3.579 $\pm$ 2.862 χ^2 /NDF: 44.6/30

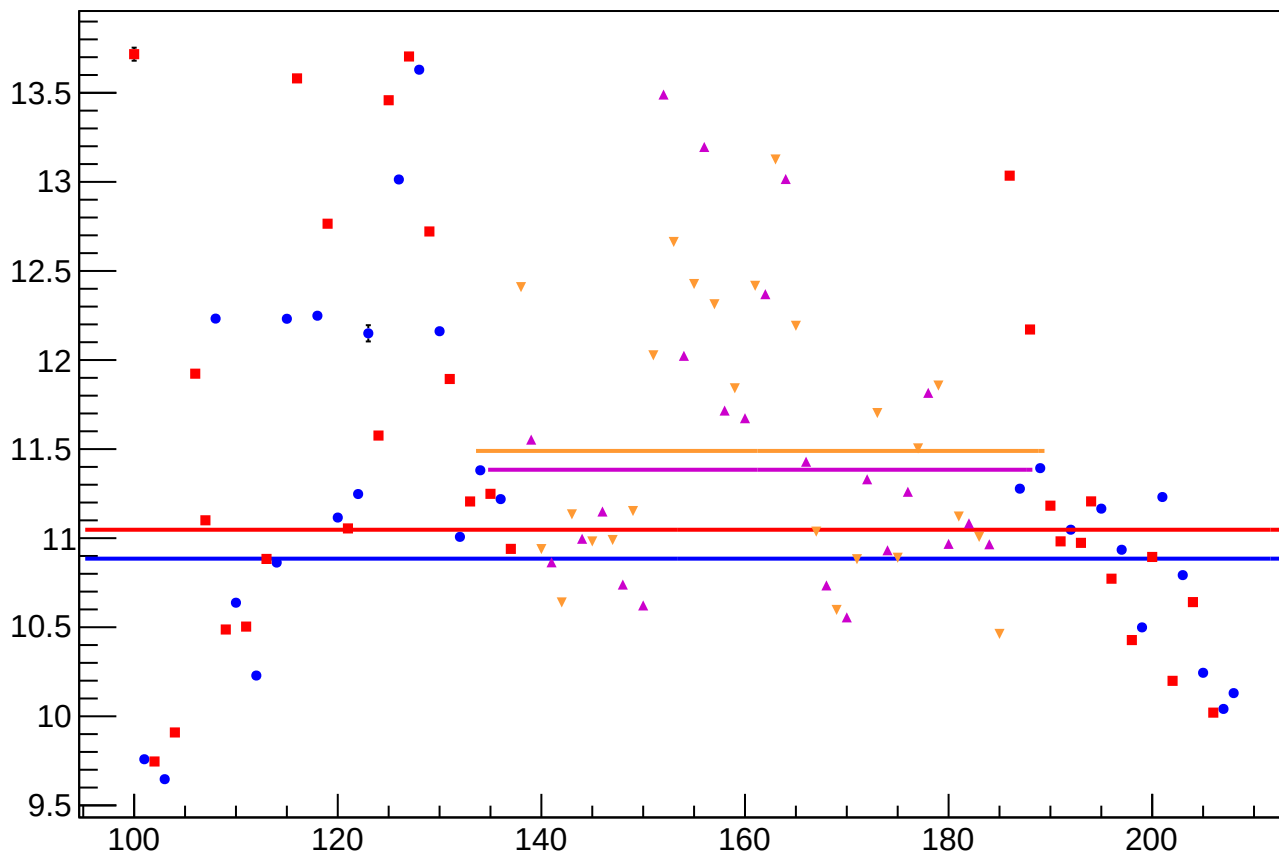
Left In: 2.941 $\pm$ 2.745 χ^2 /NDF:31.0/22

+ sign -1.192 $\pm$ 1.972 χ^2 /NDF: 43.9/52

All: -0.689 $\pm$ 1.397 χ^2 /NDF: 122.4/106

- sign -0.182 $\pm$ 1.981 χ^2 /NDF: 78.4/53

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.885 $\pm$ 0.002 χ^2 /NDF: 169681.9/27

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 11.047 $\pm$ 0.002 χ^2 /NDF: 222500.8/30

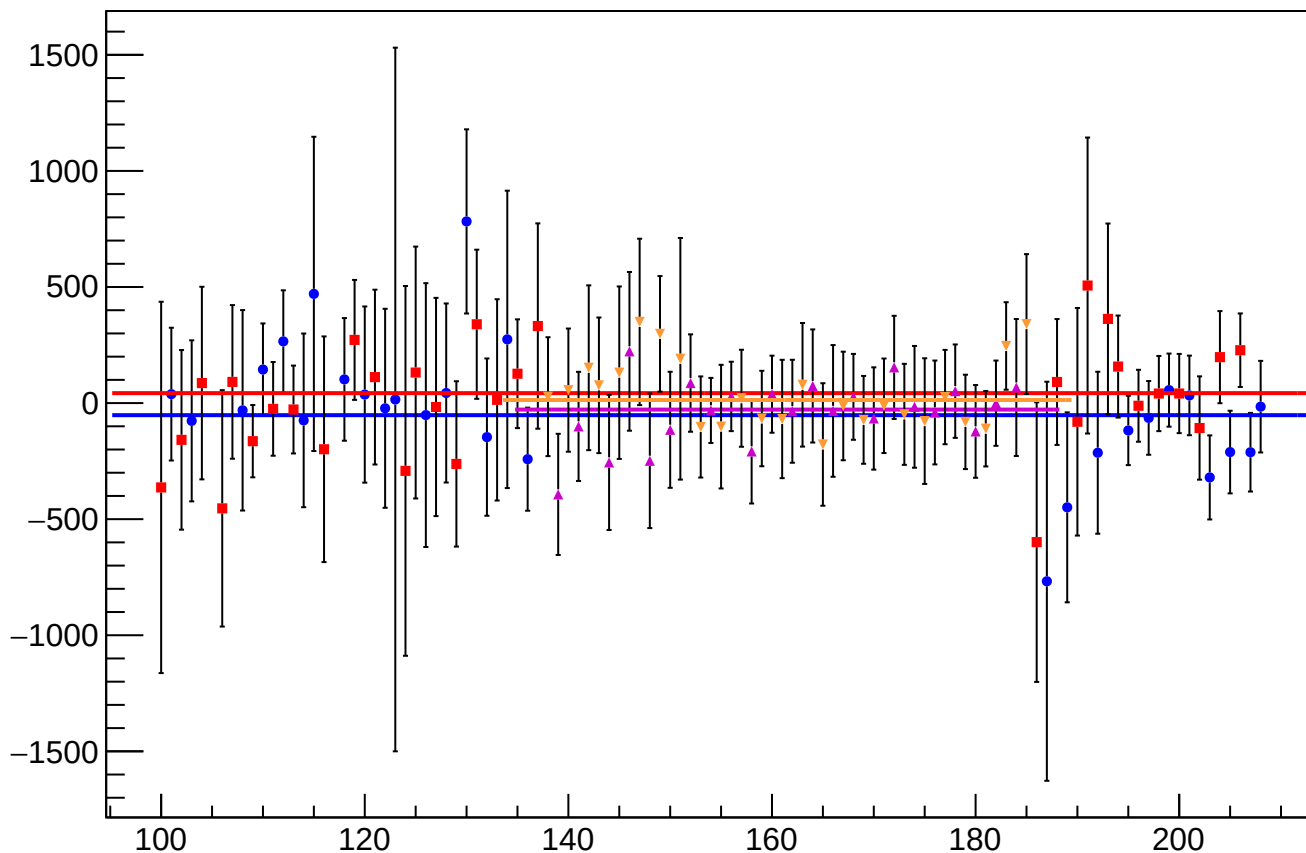
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.208 $\pm$ 0.001 χ^2 /NDF: 348895.2/52

All: 11.216 $\pm$ 0.001 χ^2 /NDF: 735674.1/106

- sign 11.223 $\pm$ 0.001 χ^2 /NDF: 386726.5/53

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -52.068 ± 46.978 χ^2/NDF : 16.4/27

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 42.881 ± 47.035 χ^2/NDF : 12.2/30

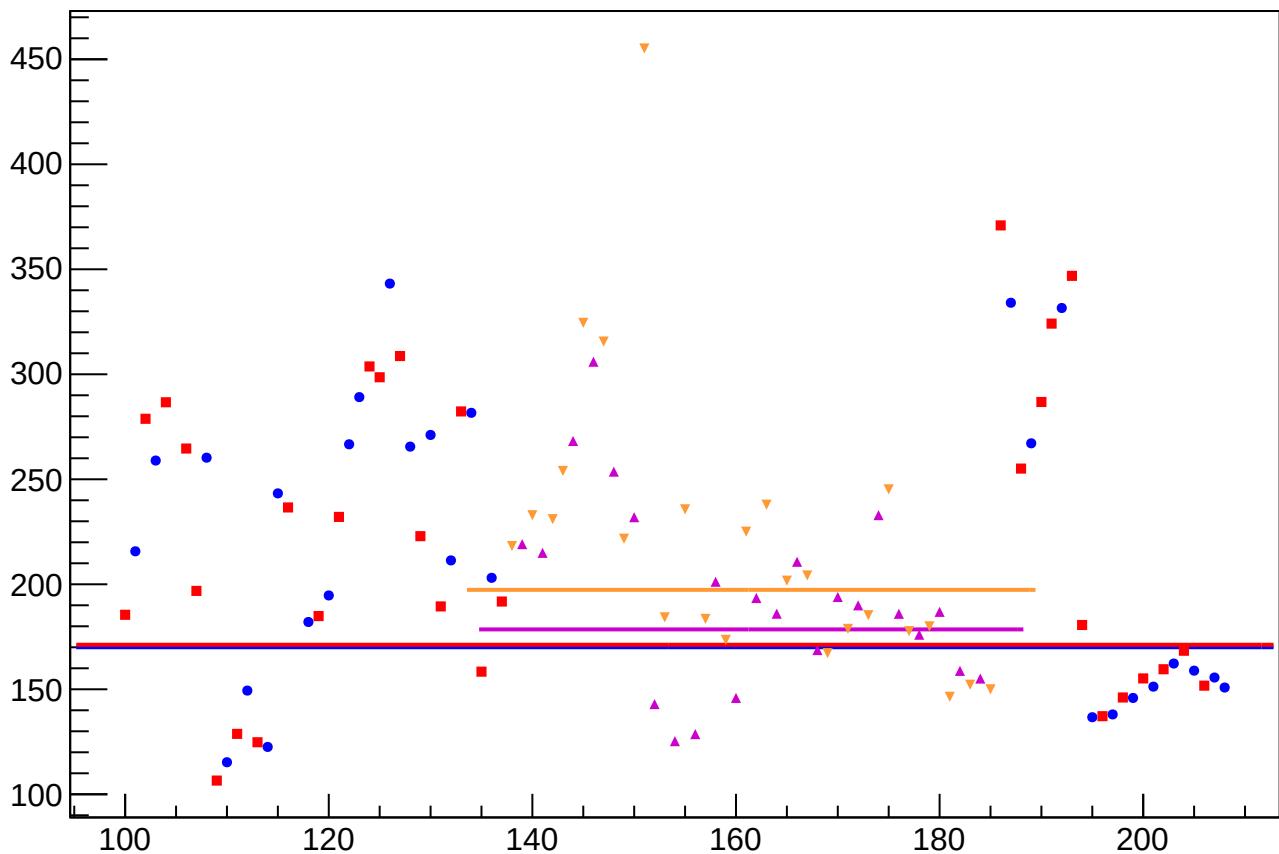
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign -19.845 ± 33.458 χ^2/NDF : 25.2/52

All: -6.714 ± 23.273 χ^2/NDF : 45.5/106

- 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: 170.026 $\pm$ 0.033 χ^2 /NDF: 2106340.2/27

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

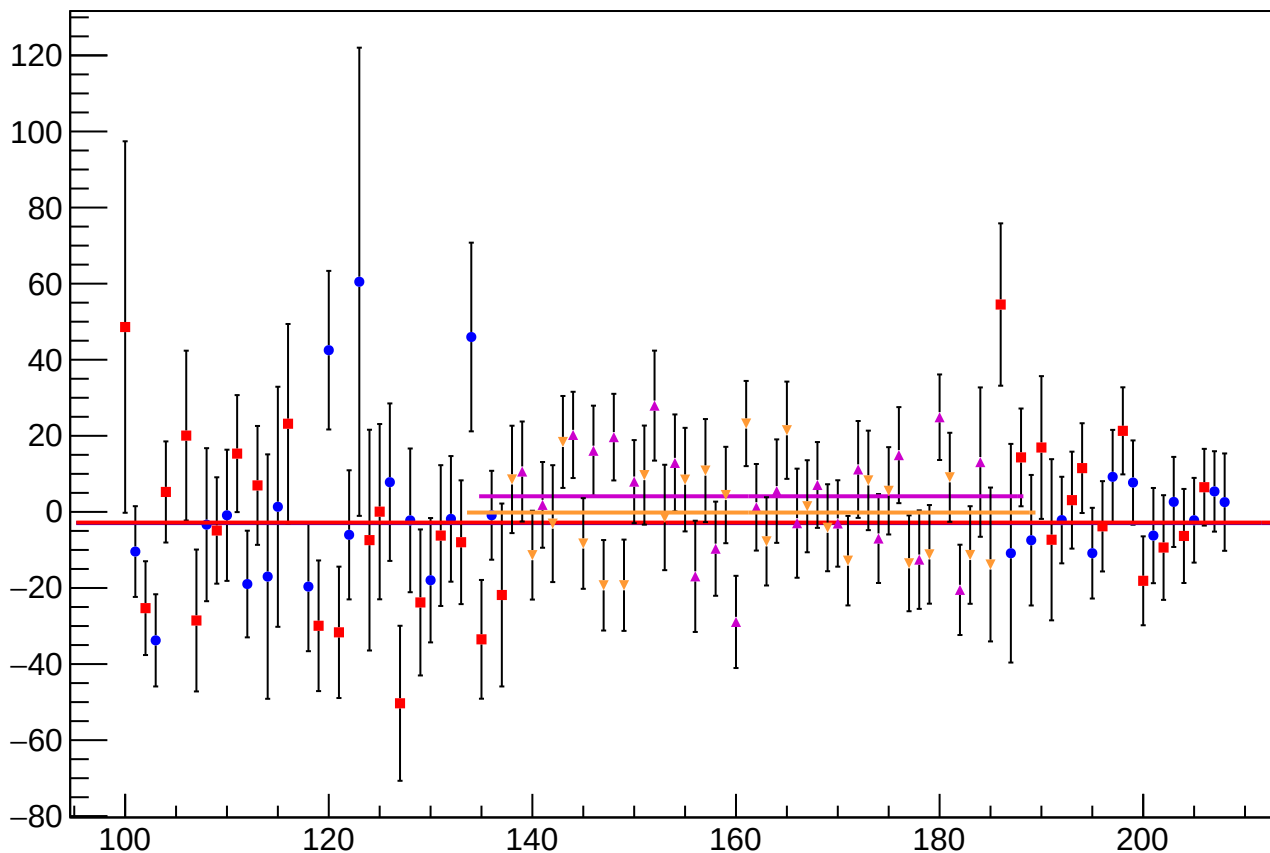
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

+ sign 183.493 $\pm$ 0.024 χ^2 /NDF: 4230690.0/52

All: 179.134 $\pm$ 0.016 χ^2 /NDF: 8734421.2/106

- 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: -2.941 ± 2.790 $\chi^2/\text{NDF}: 23.8/27$

Left Out: -0.170 ± 2.520 $\chi^2/\text{NDF}: 24.4/24$

Right Out: -2.809 ± 2.770 $\chi^2/\text{NDF}: 46.3/30$

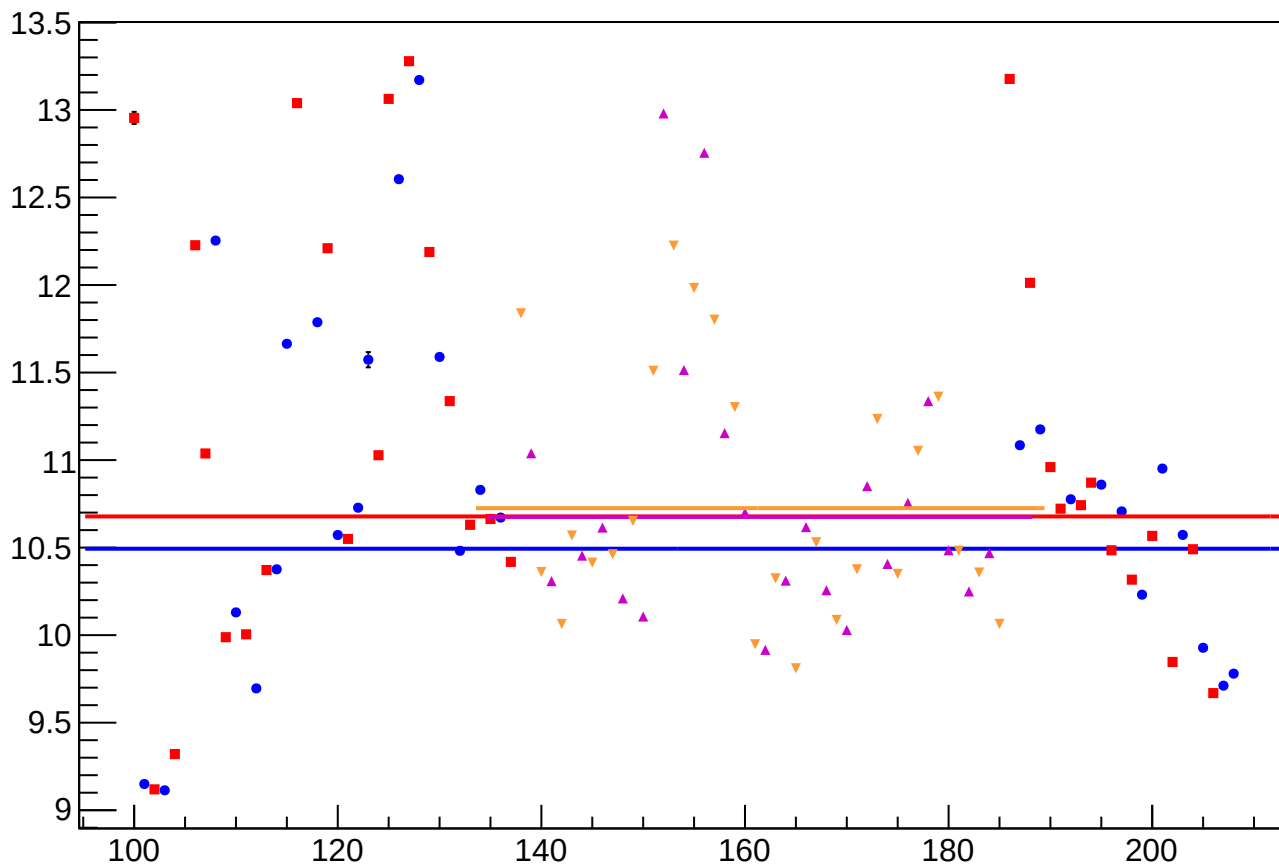
Left In: 4.107 ± 2.577 $\chi^2/\text{NDF}: 31.5/22$

+ sign -1.415 ± 1.870 $\chi^2/\text{NDF}: 48.7/52$

All: -0.269 ± 1.328 $\chi^2/\text{NDF}: 130.7/106$

- sign 0.899 ± 1.887 $\chi^2/\text{NDF}: 81.2/53$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.494 $\pm$ 0.002 χ^2 /NDF: 194177.6/27

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

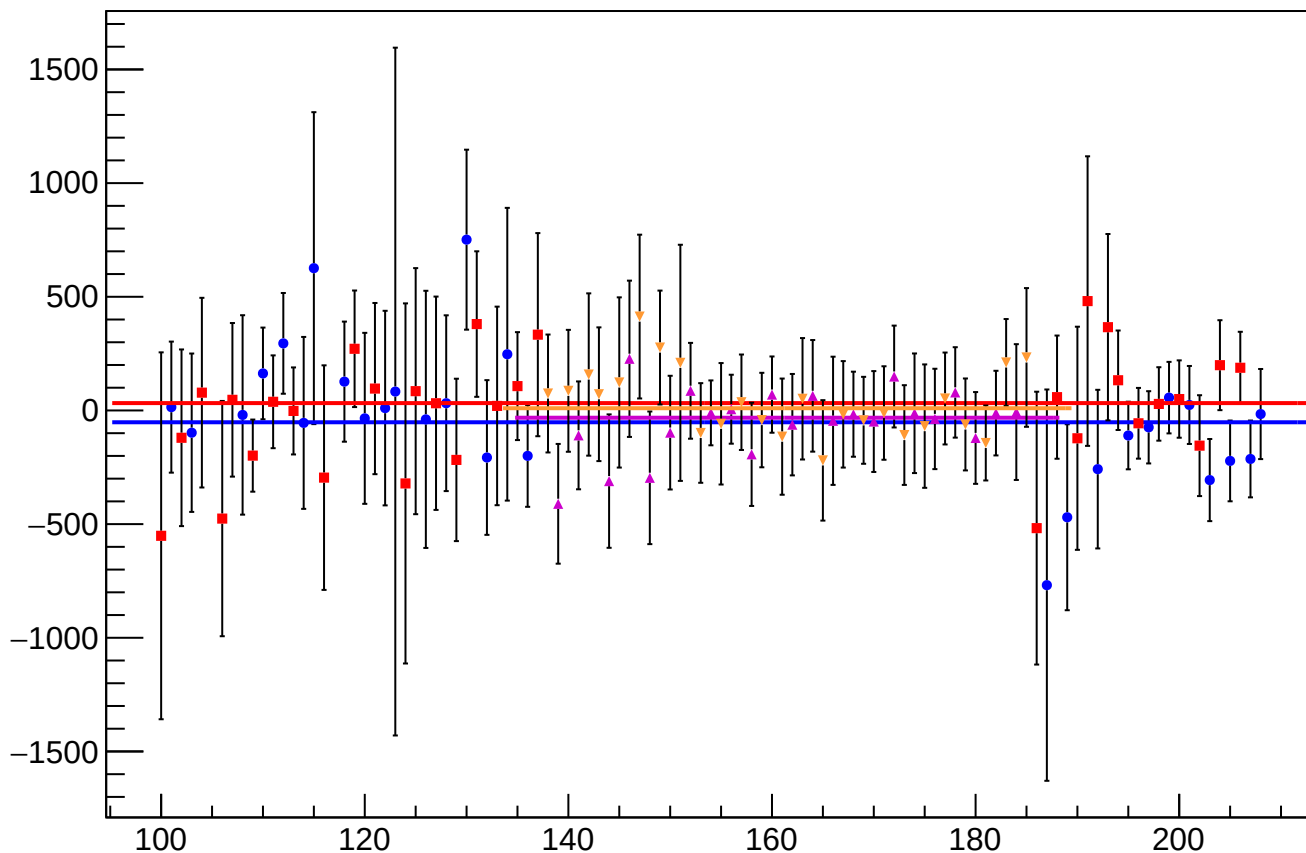
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.621 $\pm$ 0.001 χ^2 /NDF: 333949.9/52

All: 10.649 $\pm$ 0.001 χ^2 /NDF: 740087.6/106

- 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: -51.998 ± 47.057 χ^2/NDF : 16.9/27

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 32.367 ± 47.204 χ^2/NDF : 12.6/30

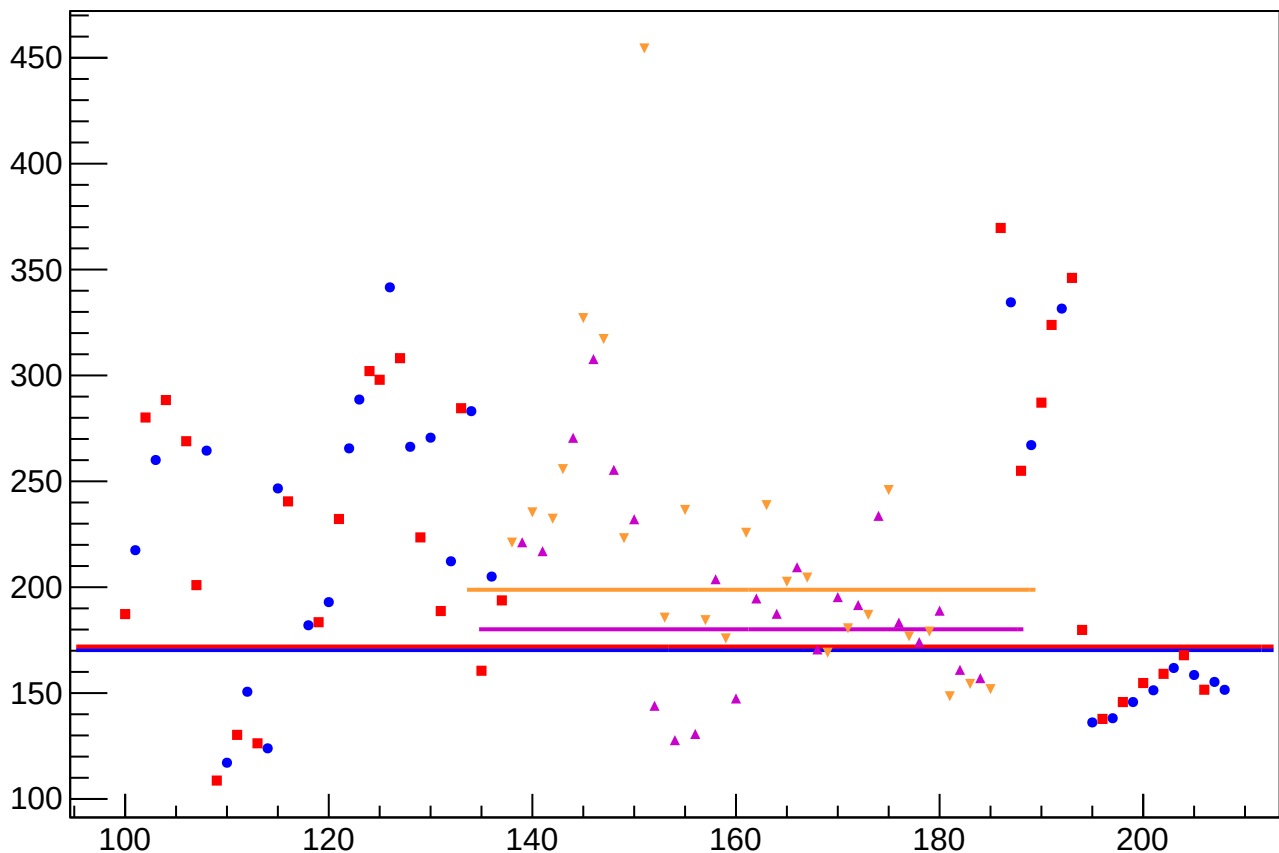
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -21.697 ± 33.596 χ^2/NDF : 25.3/52

All: -11.198 ± 23.390 χ^2/NDF : 46.3/106

- sign -1.321 ± 32.586 χ^2/NDF : 20.8/53

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.314 $\pm$ 0.033 χ^2 /NDF: 2105493.5/27

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

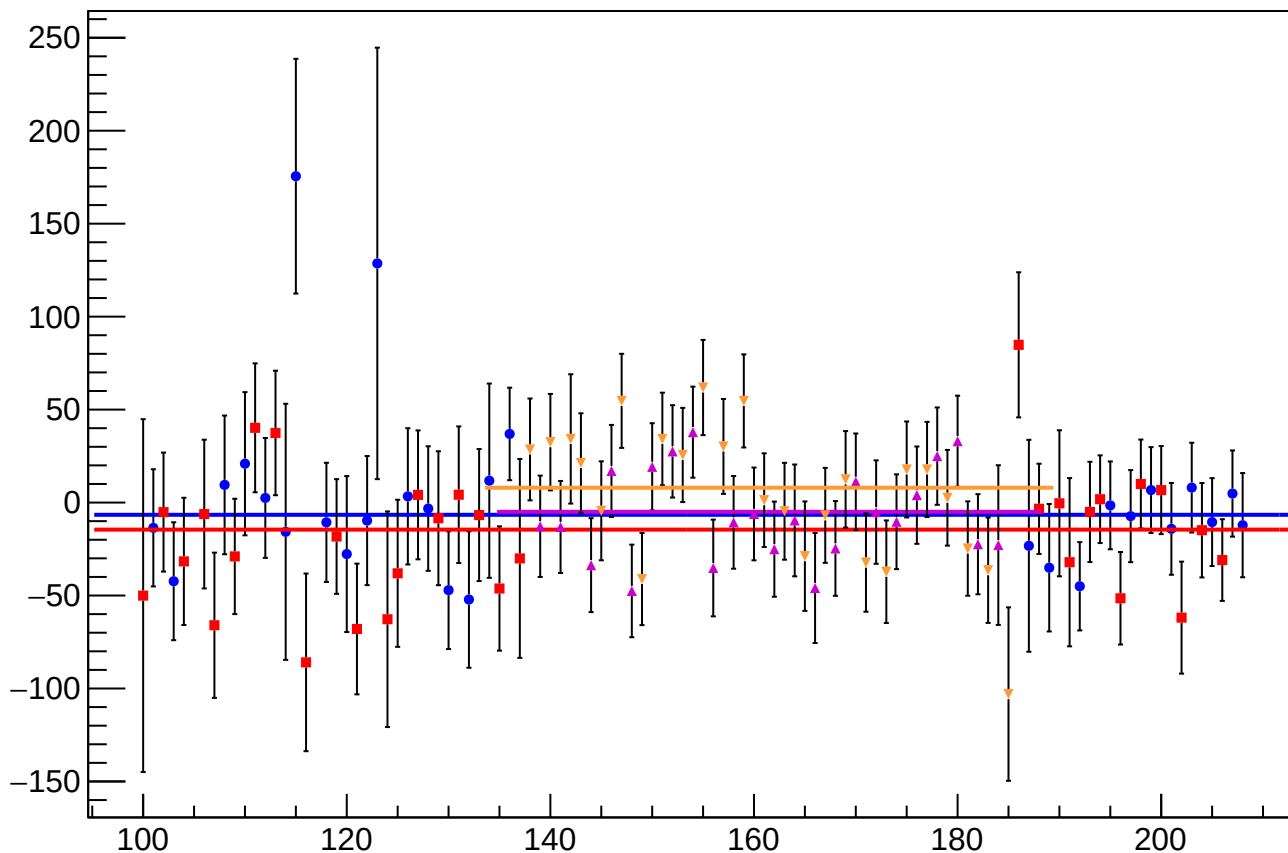
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

+ sign 184.281 $\pm$ 0.024 χ^2 /NDF: 4227952.9/52

All: 180.140 $\pm$ 0.017 χ^2 /NDF: 8640318.6/100

- 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: -6.582 ± 5.859 χ^2/NDF : 23.1/27

Left Out: 7.990 ± 5.327 χ^2/NDF : 37.4/24

Right Out: -14.554 ± 5.760 χ^2/NDF : 29.3/30

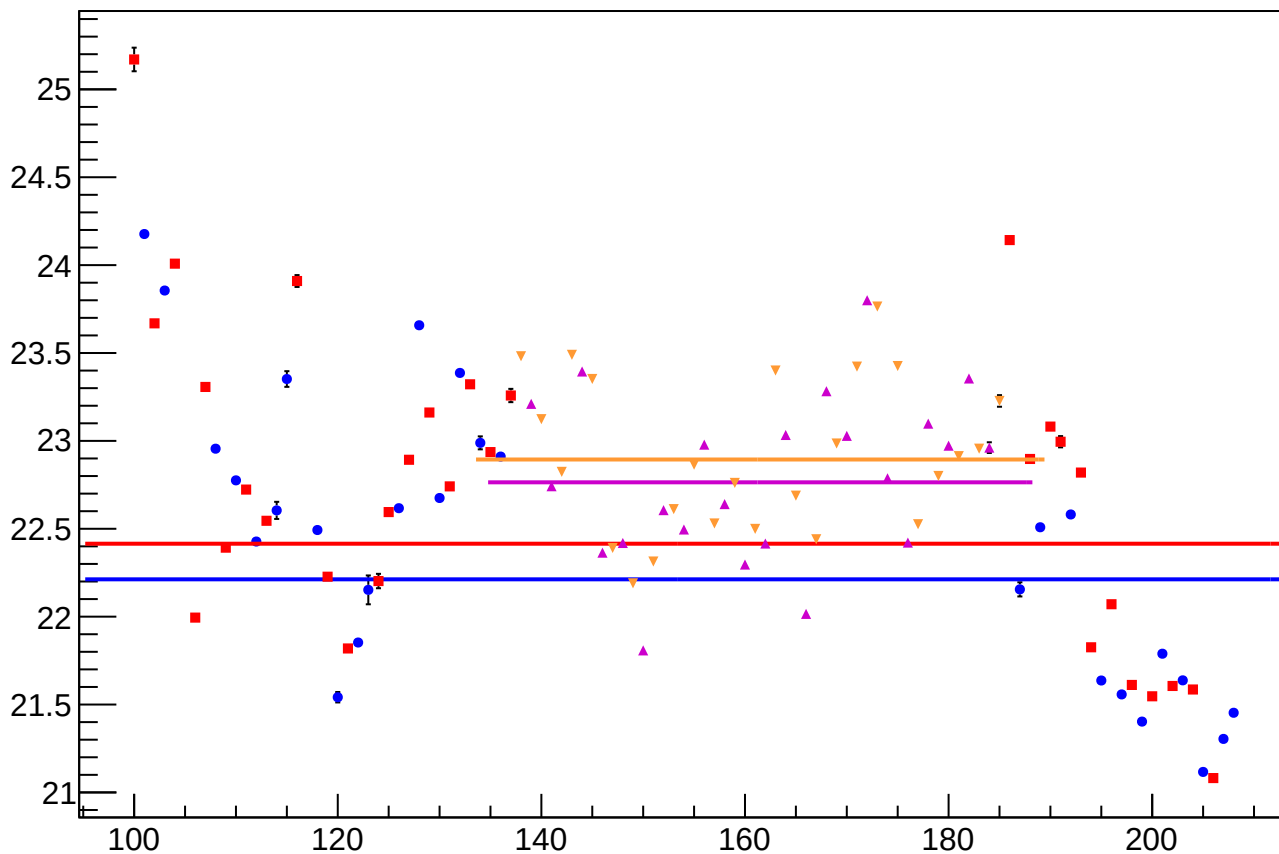
Left In: -4.973 ± 5.444 χ^2/NDF : 20.5/22

+ sign 1.395 ± 3.941 χ^2/NDF : 63.9/52

All: -4.029 ± 2.792 χ^2/NDF : 118.9/106

- 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: 22.212 $\pm$ 0.004 χ^2 /NDF: 40750.4/27

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF: 13070.5/24

Right Out: 22.415 $\pm$ 0.004 χ^2 /NDF: 40497.1/30

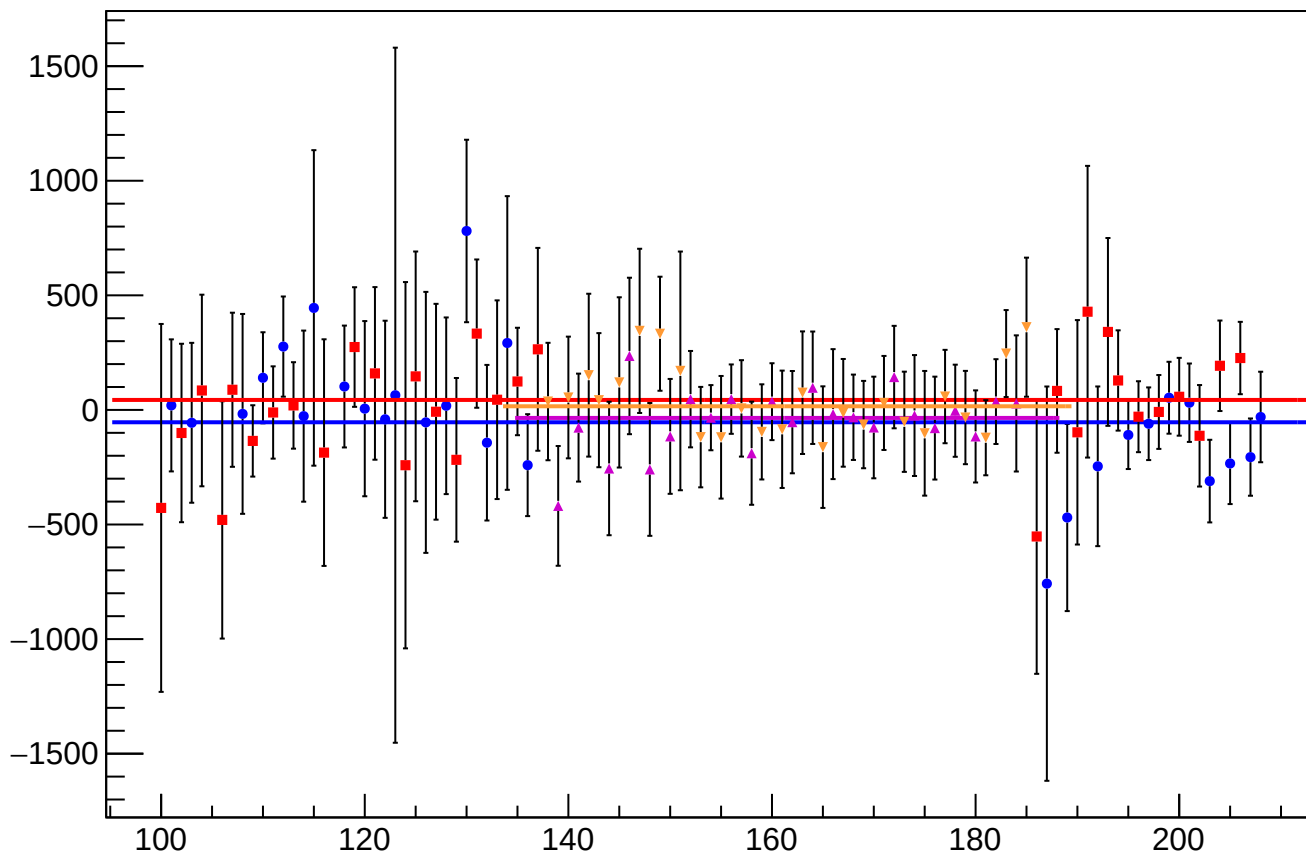
Left In: 22.764 $\pm$ 0.004 χ^2 /NDF: 14665.7/22

+ sign 22.586 $\pm$ 0.003 χ^2 /NDF: 68645.8/52

All: 22.592 $\pm$ 0.002 χ^2 /NDF: 127705.3/106

- sign 22.599 $\pm$ 0.003 χ^2 /NDF: 59047.1/53

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -53.899 ± 46.920 $\chi^2/\text{NDF}: 16.5/27$

Left Out: 15.904 ± 47.898 $\chi^2/\text{NDF}: 8.4/24$

Right Out: 43.557 ± 46.990 $\chi^2/\text{NDF}: 10.8/30$

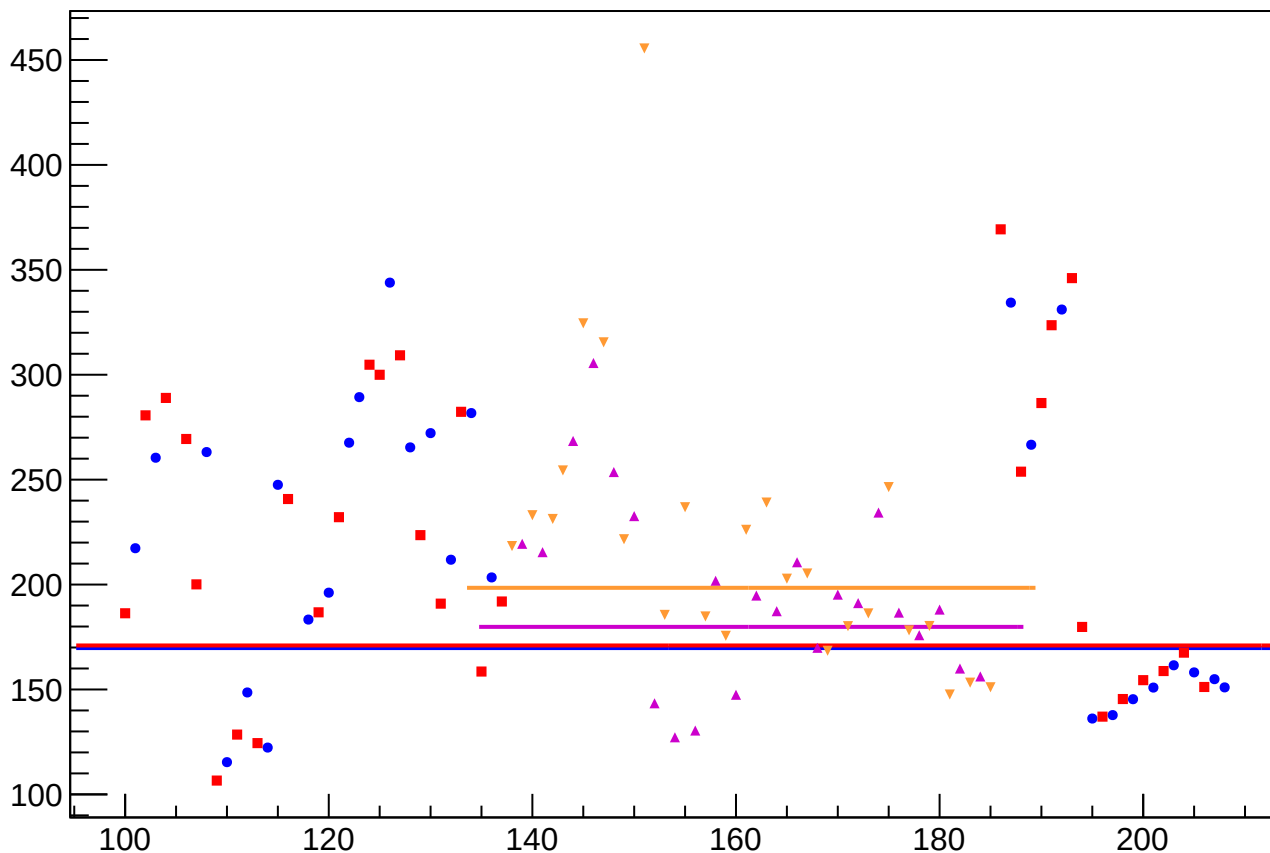
Left In: -34.919 ± 44.971 $\chi^2/\text{NDF}: 6.6/22$

+ sign -19.718 ± 33.518 $\chi^2/\text{NDF}: 26.0/52$

All: -8.213 ± 23.329 $\chi^2/\text{NDF}: 45.0/106$

- 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: 169.732 $\pm$ 0.033 χ^2 /NDF: 2135839.0/27

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF: 1761433.9/24

Right Out: 170.974 $\pm$ 0.033 χ^2 /NDF: 2797861.8/30

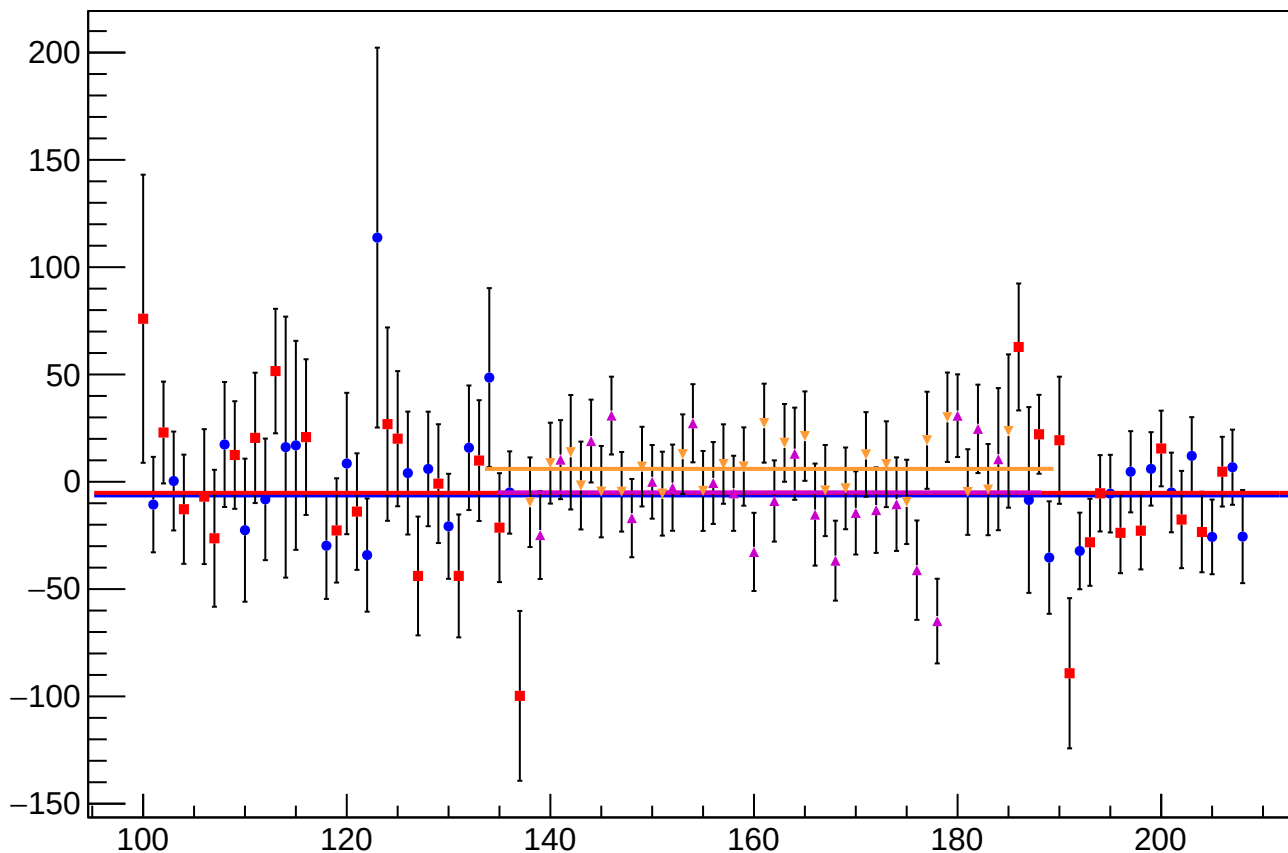
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF: 1588834.3/22

+ sign 183.795 $\pm$ 0.024 χ^2 /NDF: 4264151.4/52

All: 179.570 $\pm$ 0.016 χ^2 /NDF: 8749629.2/106

- sign 175.601 $\pm$ 0.023 χ^2 /NDF: 4423854.0/53

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.359 $\pm$ 4.477 χ^2/NDF : 16.3/27

Left Out: 6.020 $\pm$ 4.017 χ^2/NDF : 8.1/24

Right Out: -5.160 $\pm$ 4.413 χ^2/NDF : 41.1/30

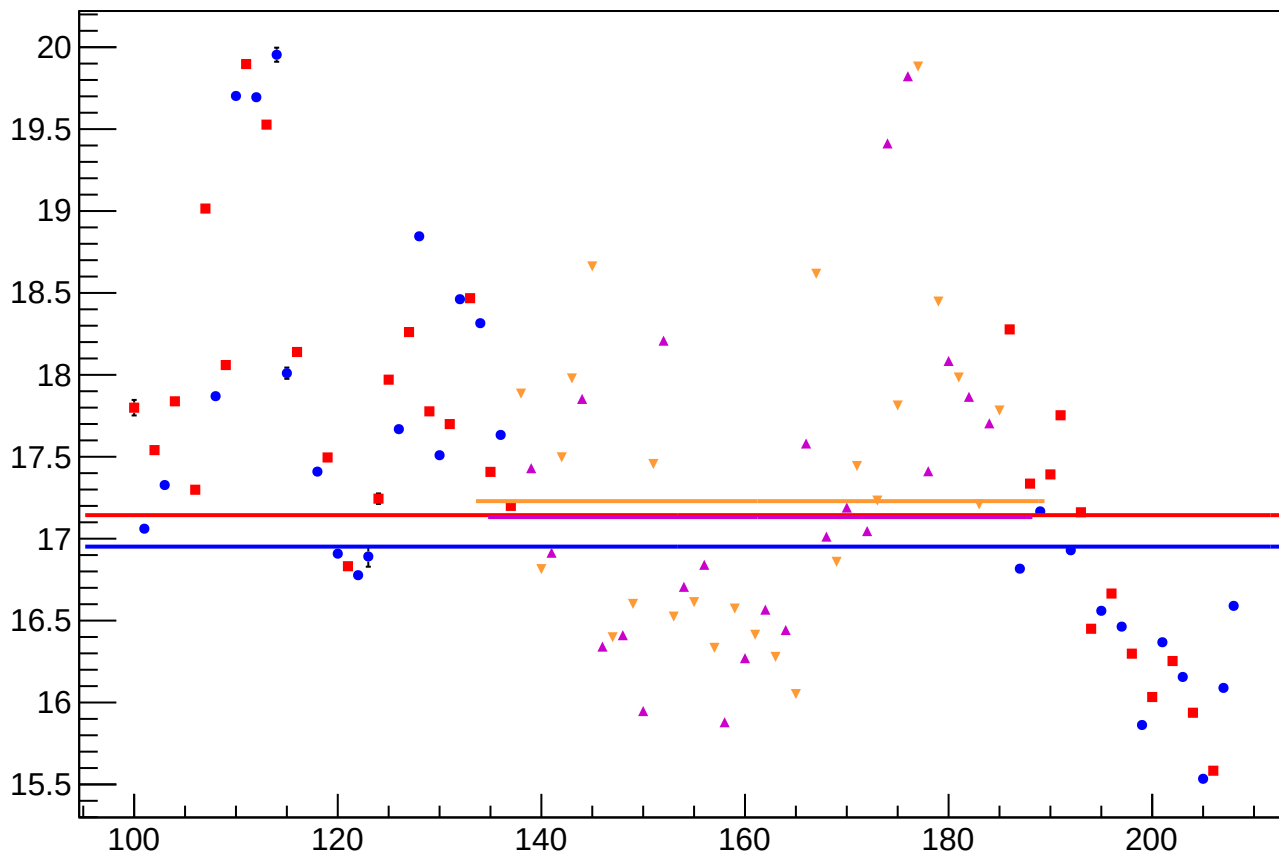
Left In: -4.943 $\pm$ 4.108 χ^2/NDF : 34.8/22

+ sign 0.499 $\pm$ 2.990 χ^2/NDF : 28.7/52

All: -2.257 $\pm$ 2.120 χ^2/NDF : 106.3/106

- sign -5.044 $\pm$ 3.007 χ^2/NDF : 75.9/53

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.952 ± 0.003 $\chi^2/\text{NDF}: 99087.1/27$

Left Out: 17.229 ± 0.003 $\chi^2/\text{NDF}: 98624.7/24$

Right Out: 17.144 ± 0.003 $\chi^2/\text{NDF}: 105453.4/30$

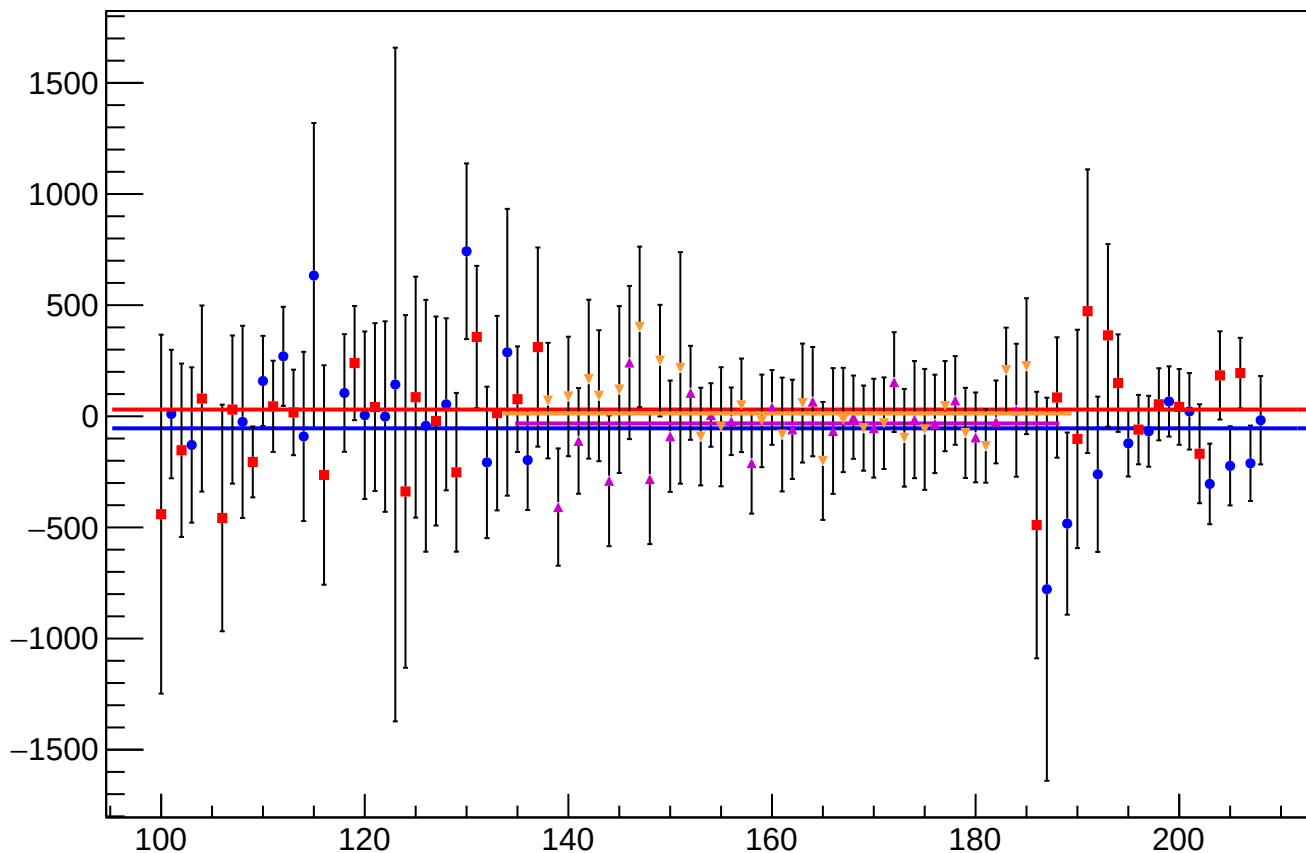
Left In: 17.132 ± 0.003 $\chi^2/\text{NDF}: 103997.3/22$

+ sign 17.105 ± 0.002 $\chi^2/\text{NDF}: 201969.5/52$

All: 17.121 ± 0.001 $\chi^2/\text{NDF}: 411541.6/106$

- sign 17.137 ± 0.002 $\chi^2/\text{NDF}: 209458.4/53$

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -54.159 $\pm$ 47.199 χ^2 /NDF: 16.6/27

Left Out: 12.474 $\pm$ 48.086 χ^2 /NDF: 6.8/24

Right Out: 30.431 $\pm$ 47.322 χ^2 /NDF: 12.2/30

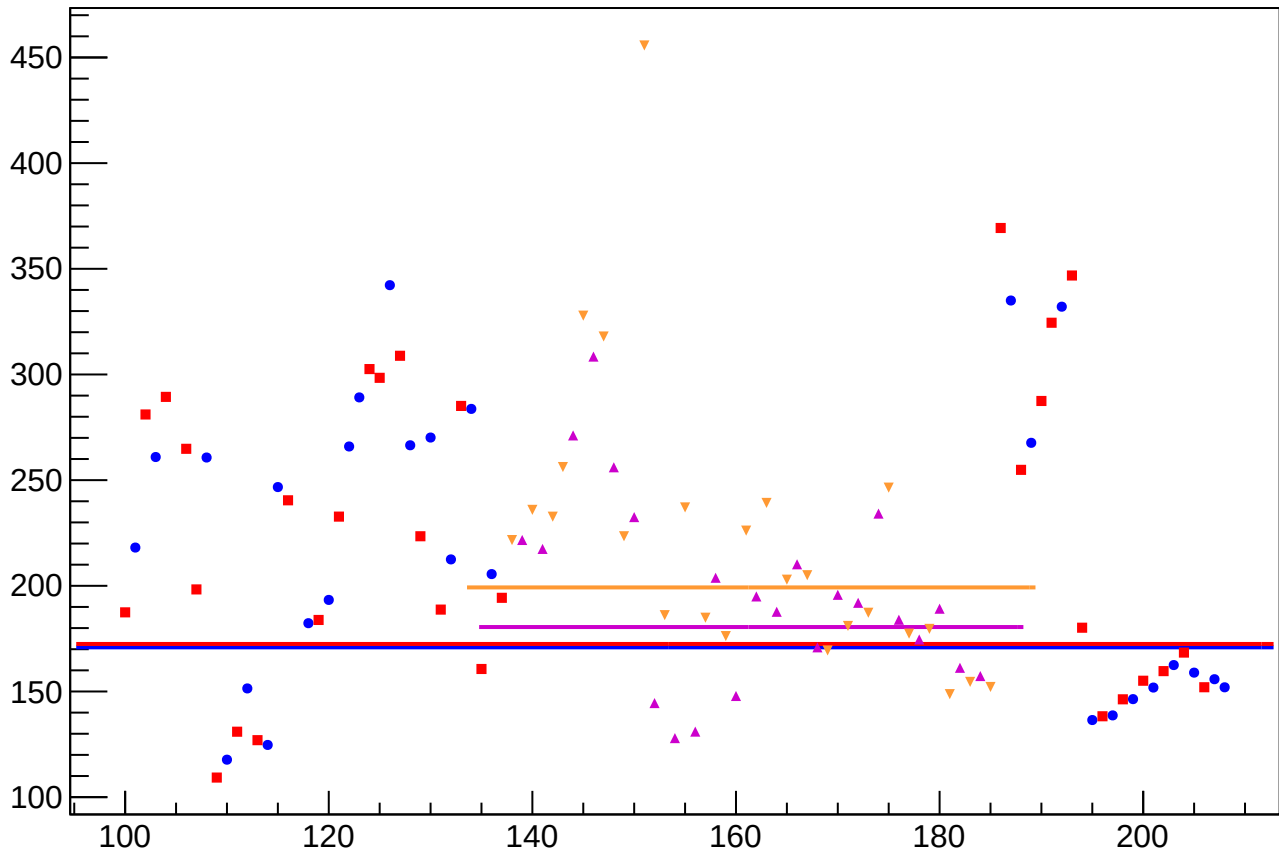
Left In: -32.159 $\pm$ 45.131 χ^2 /NDF: 6.9/22

+ sign -21.463 $\pm$ 33.684 χ^2 /NDF: 24.5/52

All: -11.609 $\pm$ 23.448 χ^2 /NDF: 44.6/106

- sign -2.346 $\pm$ 32.659 χ^2 /NDF: 20.0/53

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.884 $\pm$ 0.033 χ^2 /NDF: 2087542.7/27

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

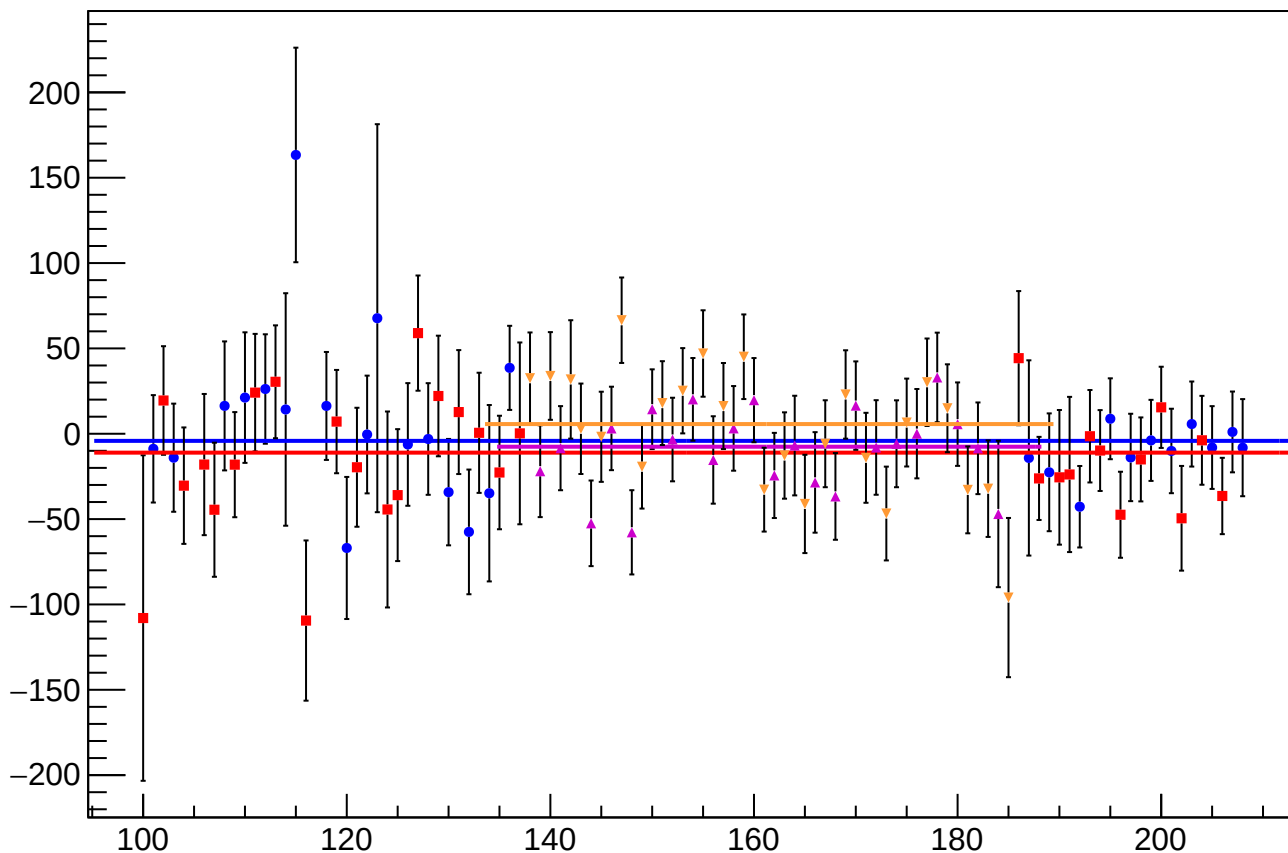
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

+ sign 184.798 $\pm$ 0.024 χ^2 /NDF: 4205892.1/52

All: 180.614 $\pm$ 0.017 χ^2 /NDF: 8594075.1/106

- 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: -4.169 ± 5.894 χ^2/NDF : 22.1/27

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: -11.067 ± 5.775 χ^2/NDF : 26.2/30

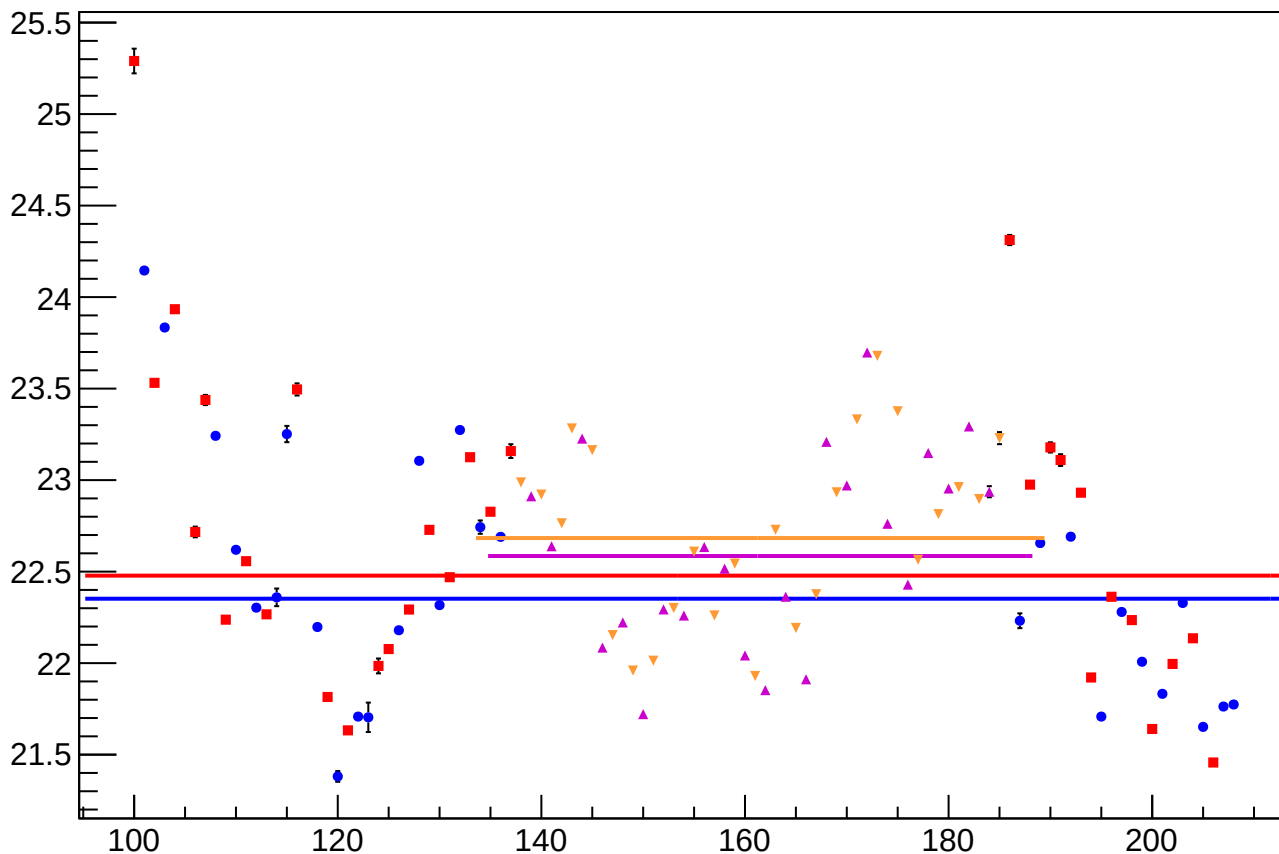
Left In: -7.594 ± 5.402 χ^2/NDF : 18.3/22

+ sign 1.293 ± 3.932 χ^2/NDF : 60.1/52

All: -3.943 ± 2.785 χ^2/NDF : 108.3/106

- sign -9.214 ± 3.945 χ^2/NDF : 44.7/53

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.352 $\pm$ 0.004 χ^2 /NDF: 24368.2/27

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

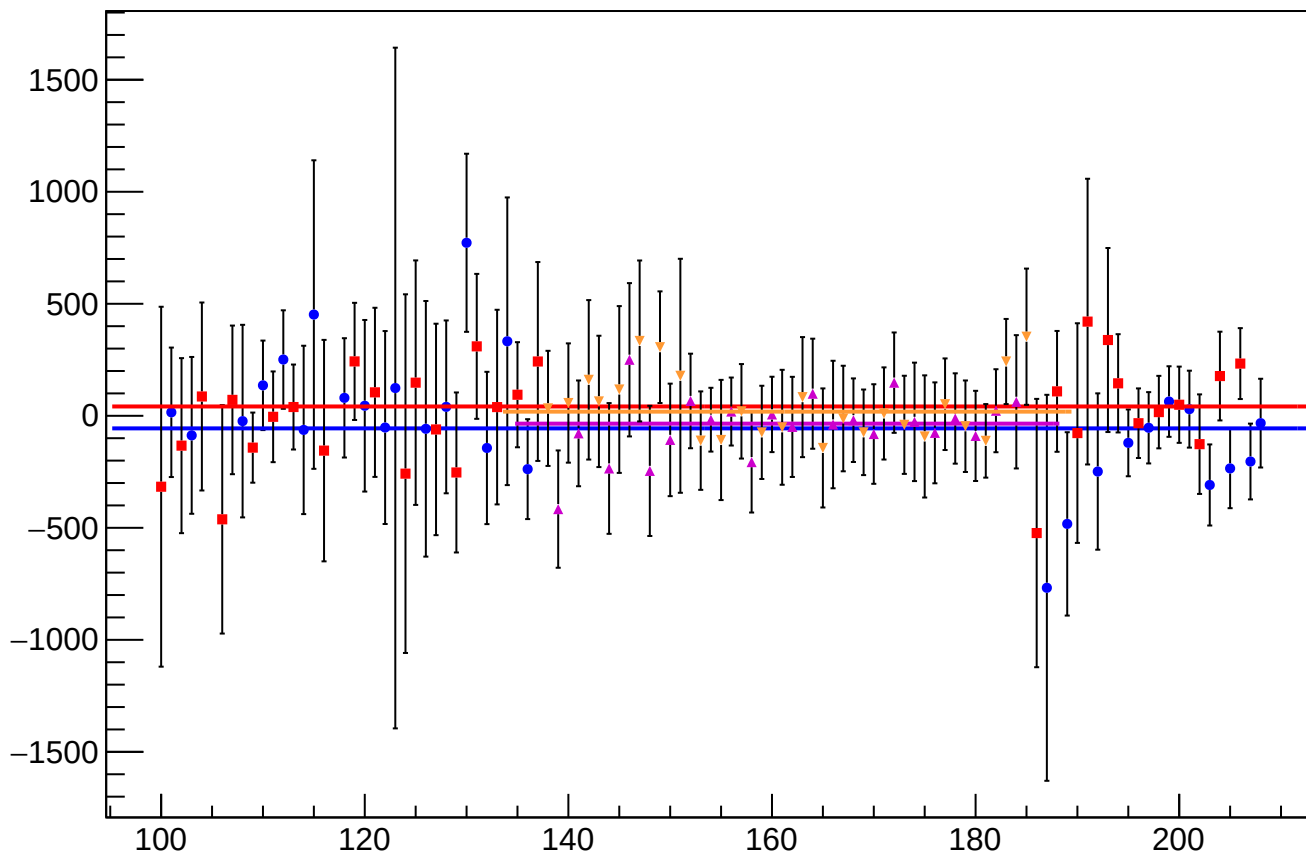
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF:18087.5/22

+ sign 22.536 $\pm$ 0.003 χ^2 /NDF: 44196.5/52

All: 22.536 $\pm$ 0.002 χ^2 /NDF: 92124.9/106

- 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: -56.138 ± 47.063 χ^2/NDF : 16.2/27

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 41.675 ± 47.109 χ^2/NDF : 10.3/30

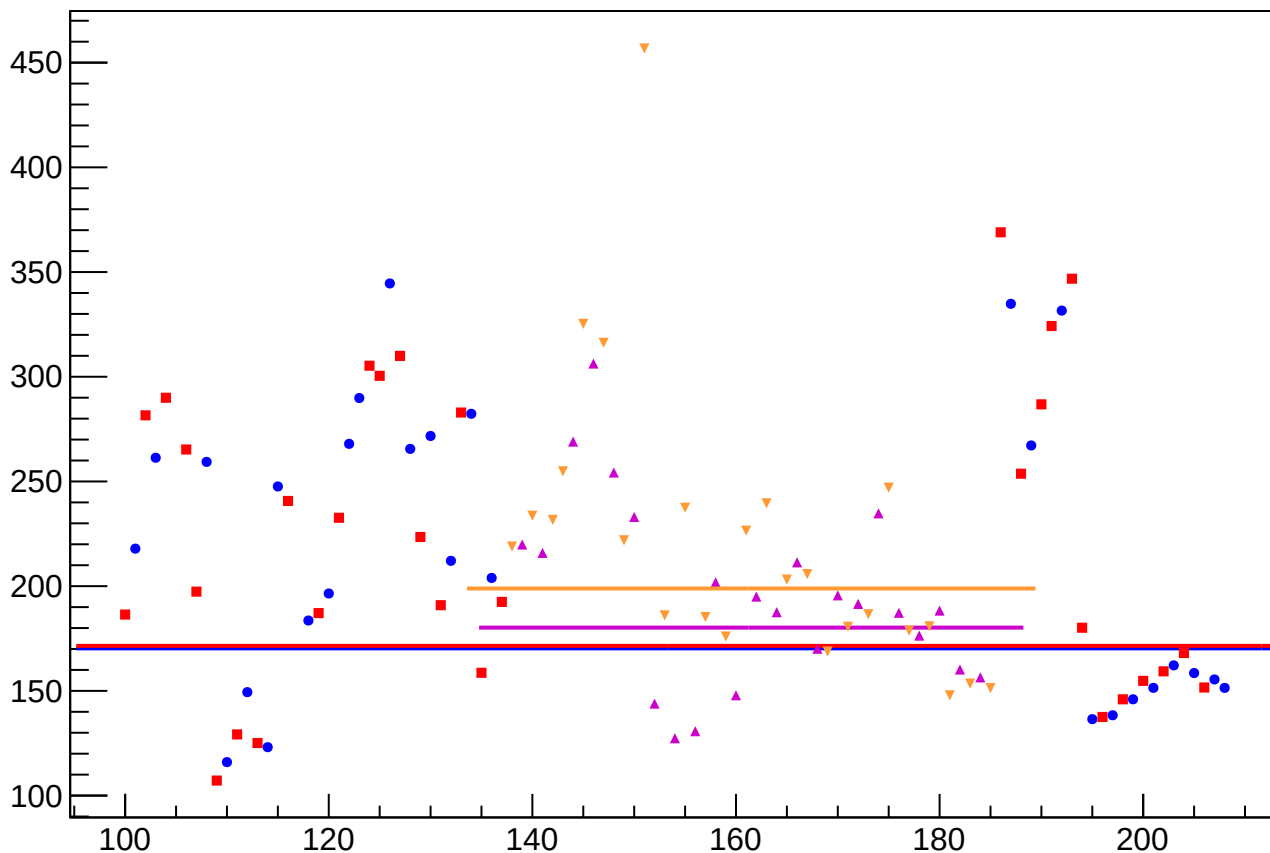
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign -19.494 ± 33.607 χ^2/NDF : 25.0/52

All: -8.608 ± 23.386 χ^2/NDF : 43.2/106

- 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: 170.307 $\pm$ 0.033 χ^2 /NDF: 2117307.4/27

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

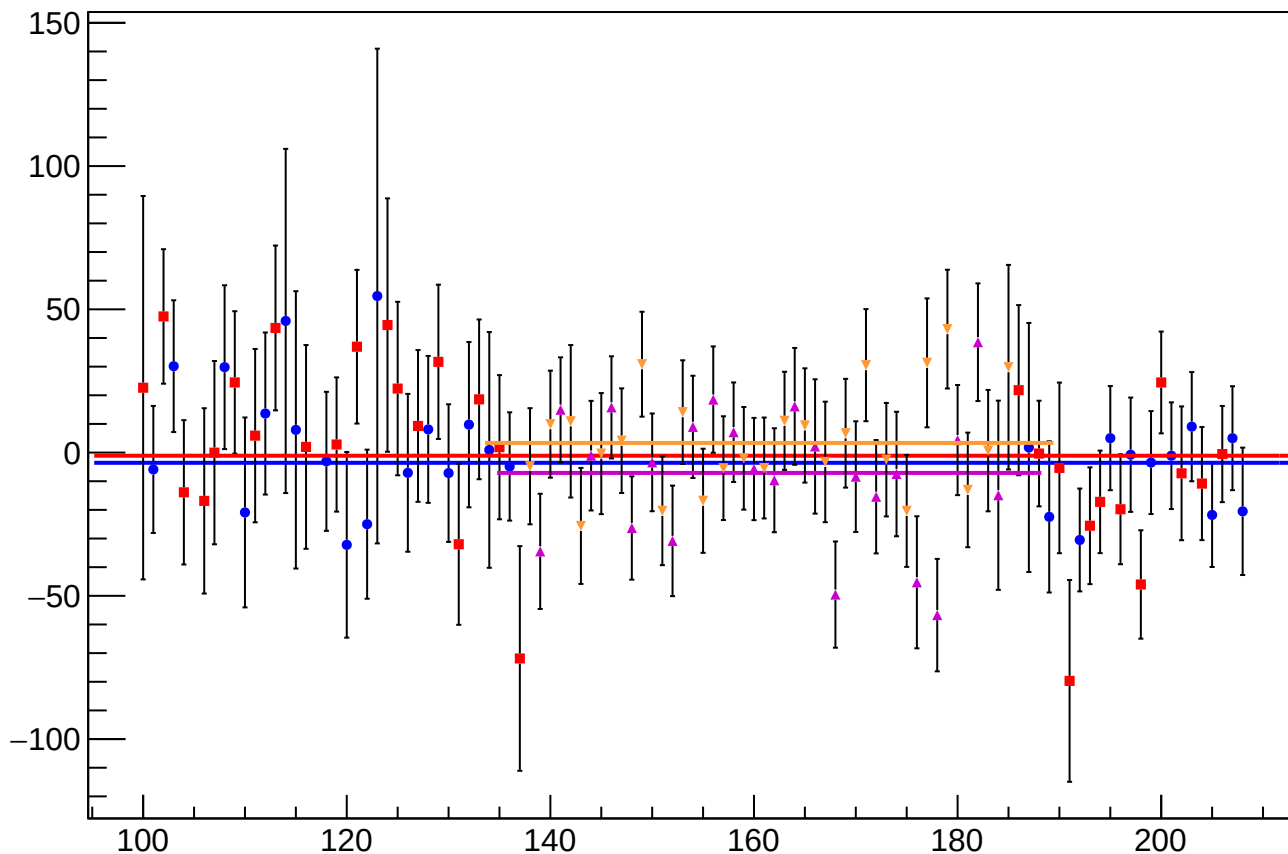
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 184.315 $\pm$ 0.024 χ^2 /NDF: 4241314.0/52

All: 180.047 $\pm$ 0.017 χ^2 /NDF: 8701704.1/106

- 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: -3.565 ± 4.523 χ^2/NDF : 12.6/27

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -1.096 ± 4.436 χ^2/NDF : 35.6/30

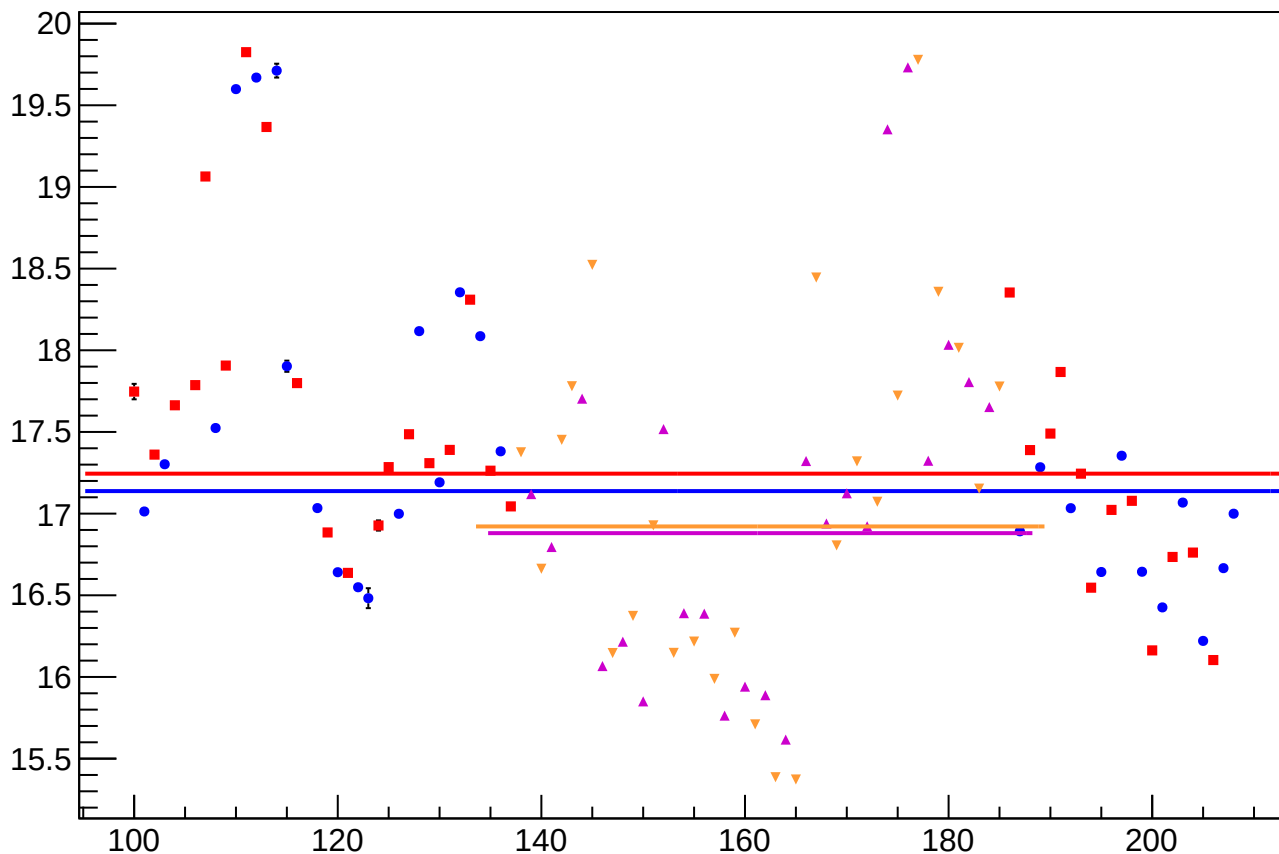
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 0.374 ± 2.974 χ^2/NDF : 32.7/52

All: -1.986 ± 2.108 χ^2/NDF : 103.1/106

- sign -4.372 ± 2.990 χ^2/NDF : 69.1/53

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.138 $\pm$ 0.003 χ^2/NDF : 54229.8/27

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

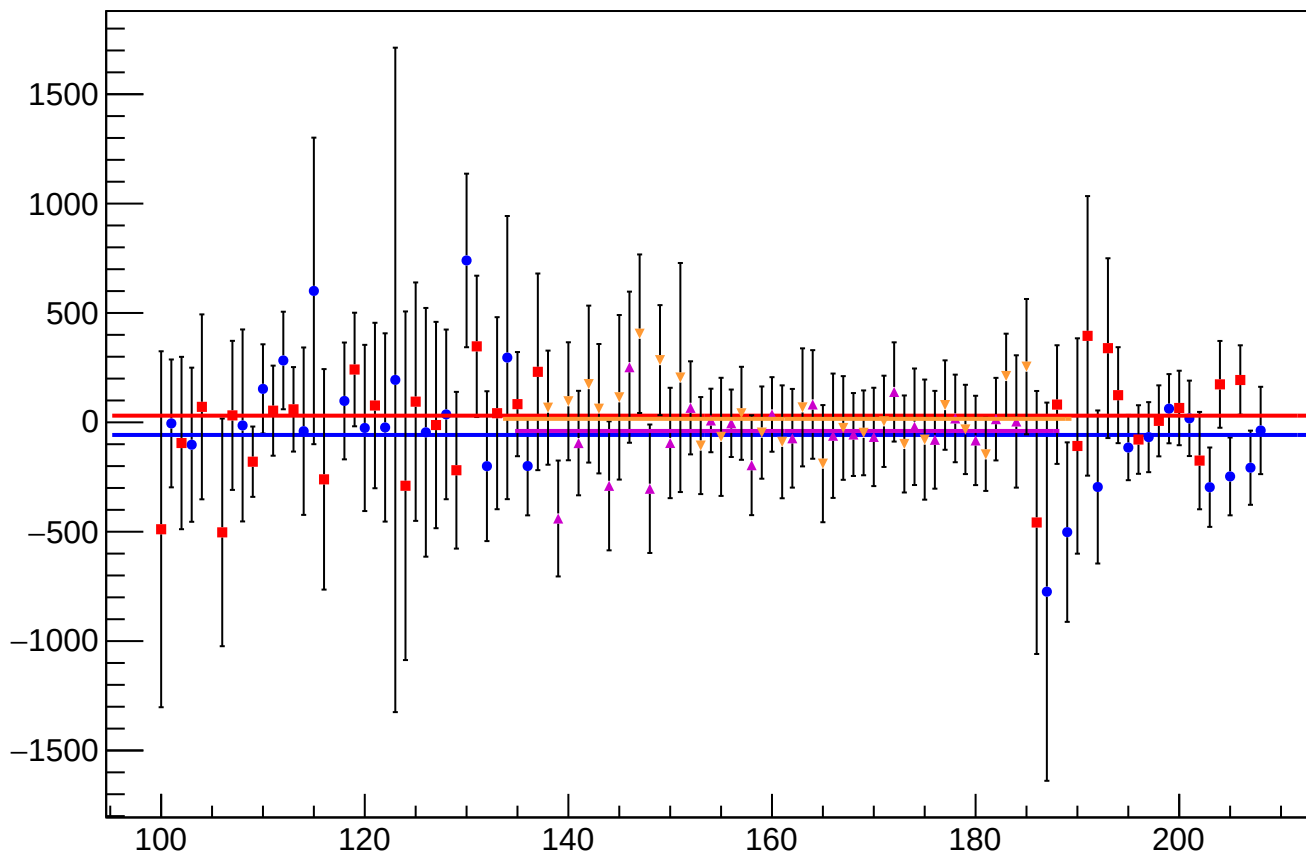
Left In: 16.880 $\pm$ 0.003 χ^2/NDF : 121736.1/22

+ sign 17.015 $\pm$ 0.002 χ^2/NDF : 195820.5/52

All: 17.030 $\pm$ 0.001 χ^2/NDF : 390870.2/106

- 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: -57.612 ± 47.334 χ^2/NDF : 16.6/27

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 30.564 ± 47.488 χ^2/NDF : 11.0/30

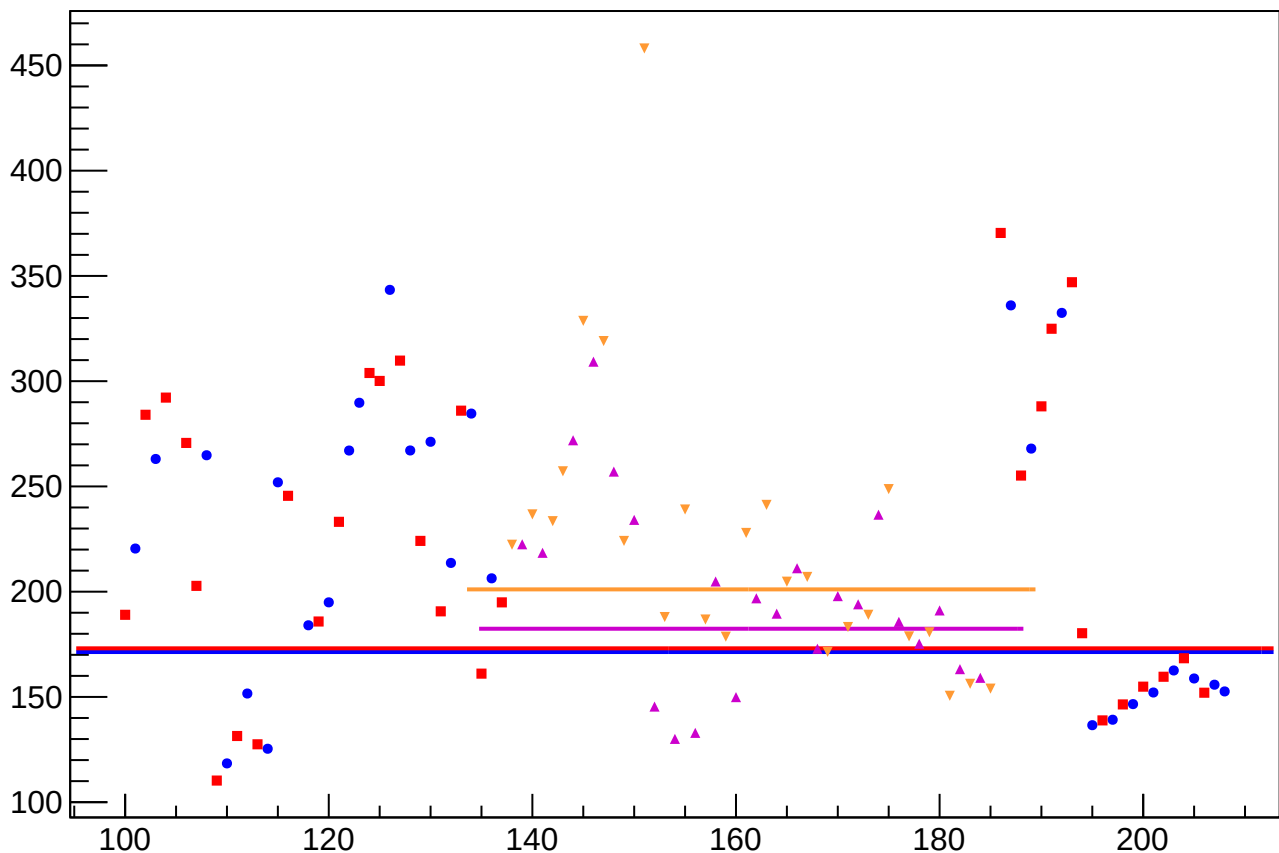
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -21.719 ± 33.876 χ^2/NDF : 25.1/52

All: -13.546 ± 23.594 χ^2/NDF : 44.3/106

- 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: 171.333 $\pm$ 0.033 χ^2 /NDF: 2103563.2/27

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

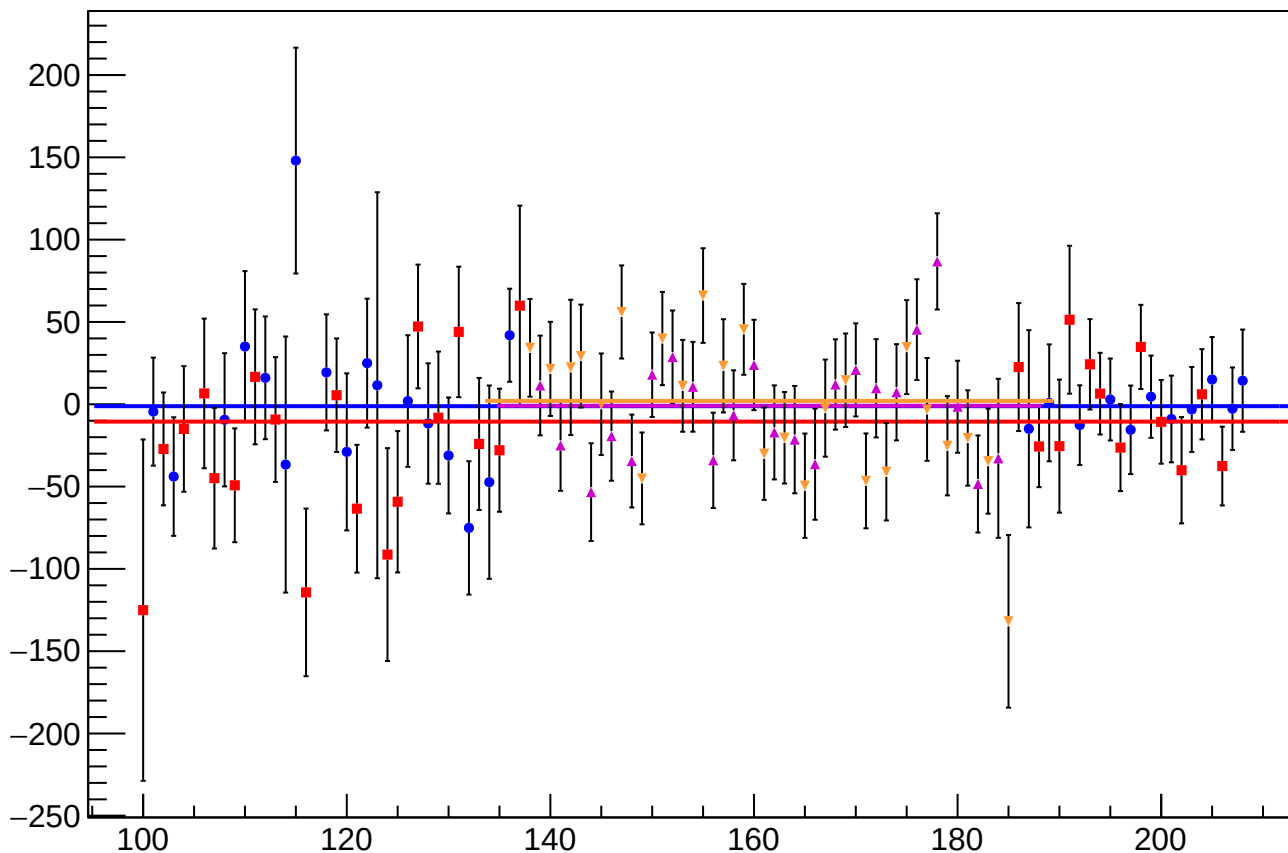
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 185.849 $\pm$ 0.024 χ^2 /NDF: 4220235.4/52

All: 181.774 $\pm$ 0.017 χ^2 /NDF: 8580630.4/106

- 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: -1.167 $\pm$ 6.371 χ^2/NDF : 16.8/27

Left Out: 2.054 $\pm$ 5.970 χ^2/NDF : 39.4/24

Right Out: -10.535 $\pm$ 6.209 χ^2/NDF : 30.1/30

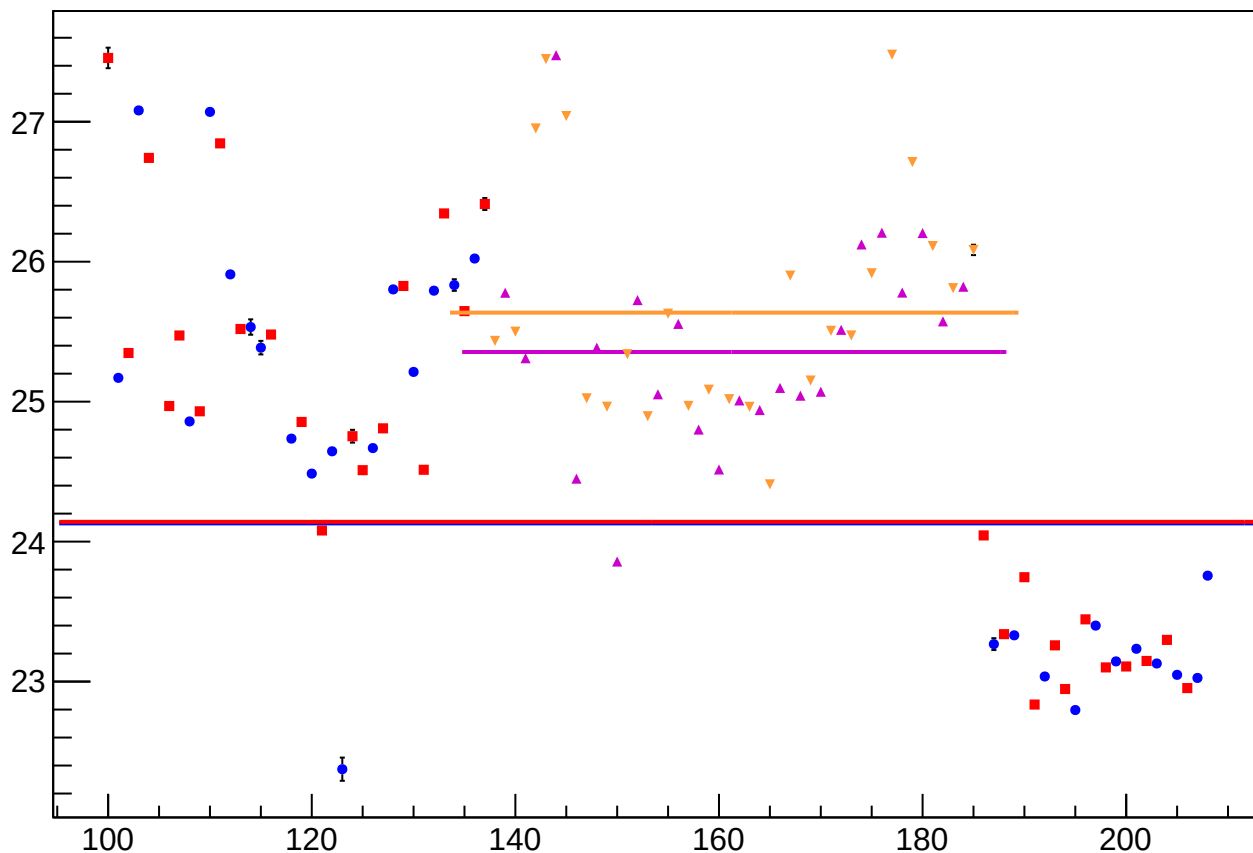
Left In: -0.900 $\pm$ 6.069 χ^2/NDF : 27.1/22

+ sign 0.548 $\pm$ 4.356 χ^2/NDF : 56.4/52

All: -2.542 $\pm$ 3.075 χ^2/NDF : 115.9/106

- sign -5.608 $\pm$ 4.340 χ^2/NDF : 58.5/53

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.130 $\pm$ 0.005 χ^2 /NDF: 80994.7/27

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

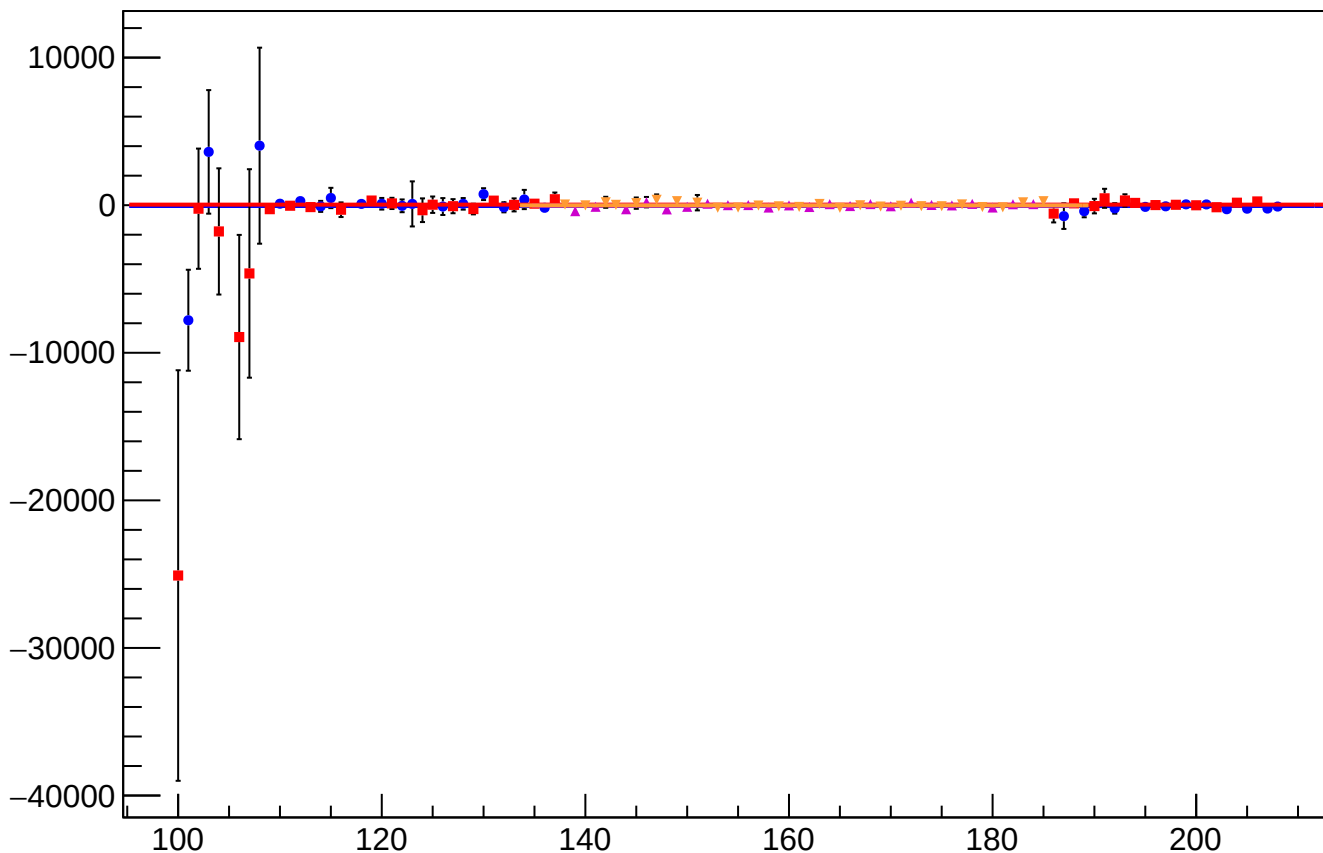
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF: 29766.2/22

+ sign 24.932 $\pm$ 0.003 χ^2 /NDF: 175614.3/52

All: 24.847 $\pm$ 0.002 χ^2 /NDF: 321196.0/106

- 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: -55.500 $\pm$ 49.651 χ^2 /NDF: 21.1/27

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

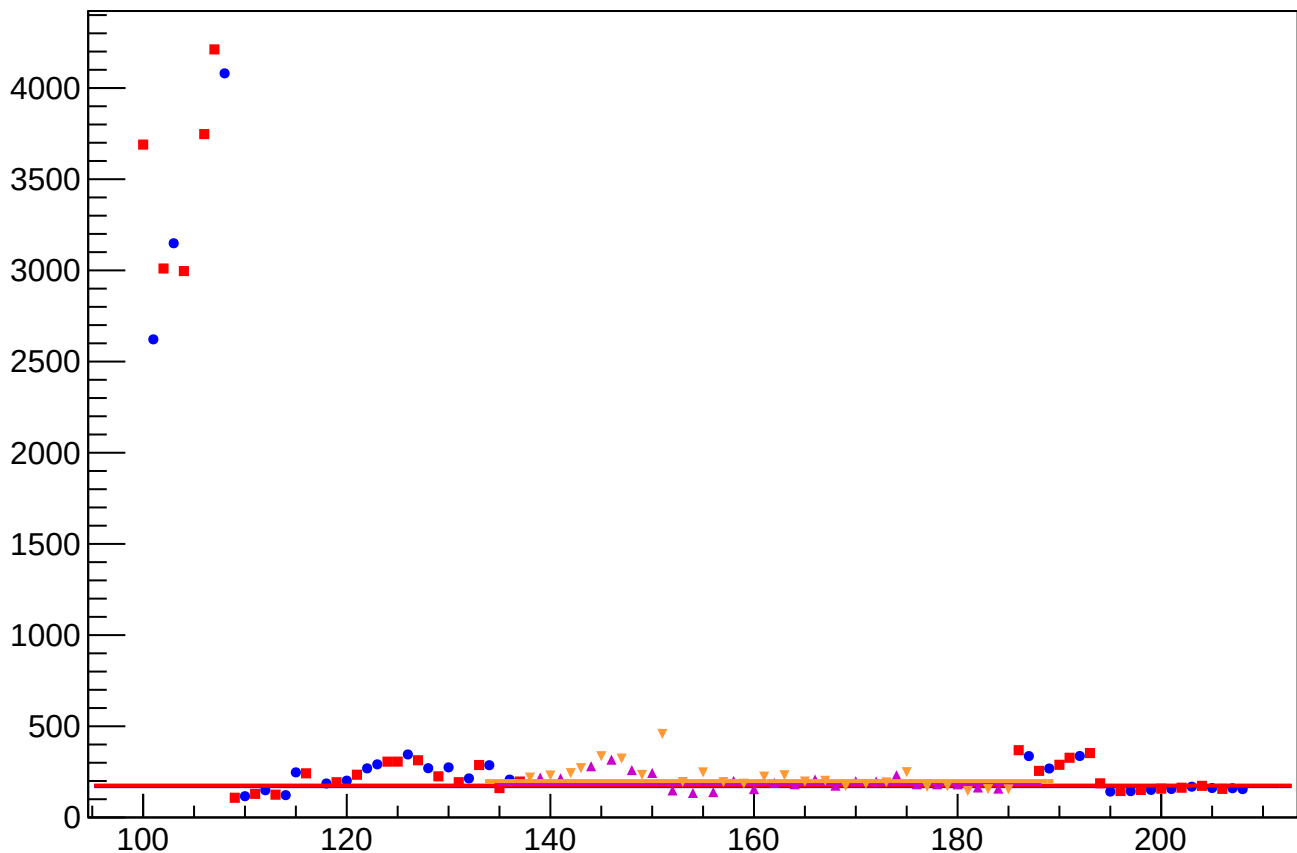
Left In: -26.836 $\pm$ 45.876 χ^2 /NDF: 7.5/22

+ sign -33.535 $\pm$ 34.590 χ^2 /NDF: 29.4/52

All: -15.339 $\pm$ 24.264 χ^2 /NDF: 56.0/106

- 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: 171.608 $\pm$ 0.035 χ^2 /NDF: 4500391.7/27

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

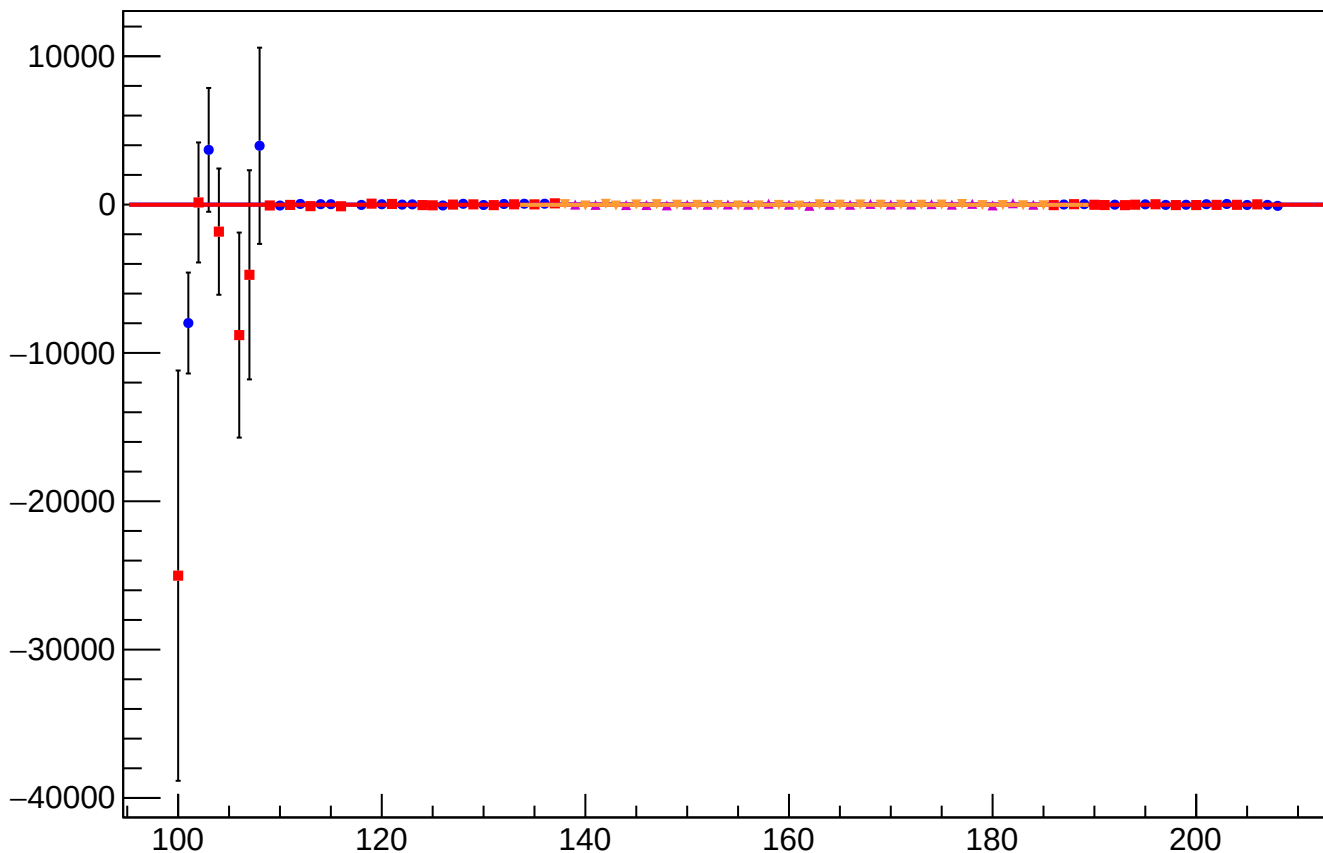
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 185.981 $\pm$ 0.024 χ^2 /NDF: 6706586.0/52

All: 182.883 $\pm$ 0.017 χ^2 /NDF: 13533001.0/10

- 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: 0.401 ± 7.672 χ^2/NDF : 30.5/27

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -11.162 ± 7.625 χ^2/NDF : 30.0/30

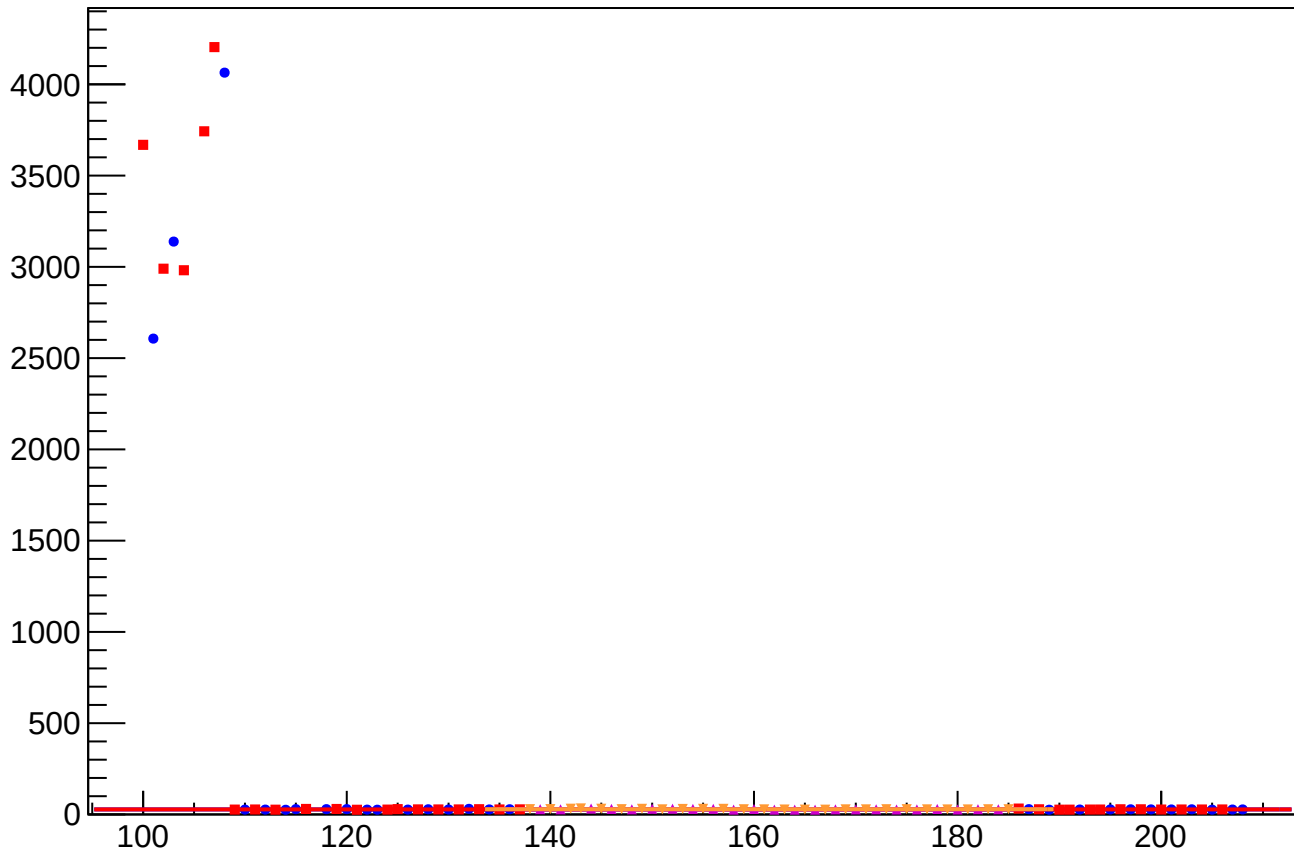
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -9.808 ± 5.044 χ^2/NDF : 56.0/52

All: -7.721 ± 3.589 χ^2/NDF : 119.8/106

- 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 $\pm$ 0.005 χ^2 /NDF: 3040991.8/27

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

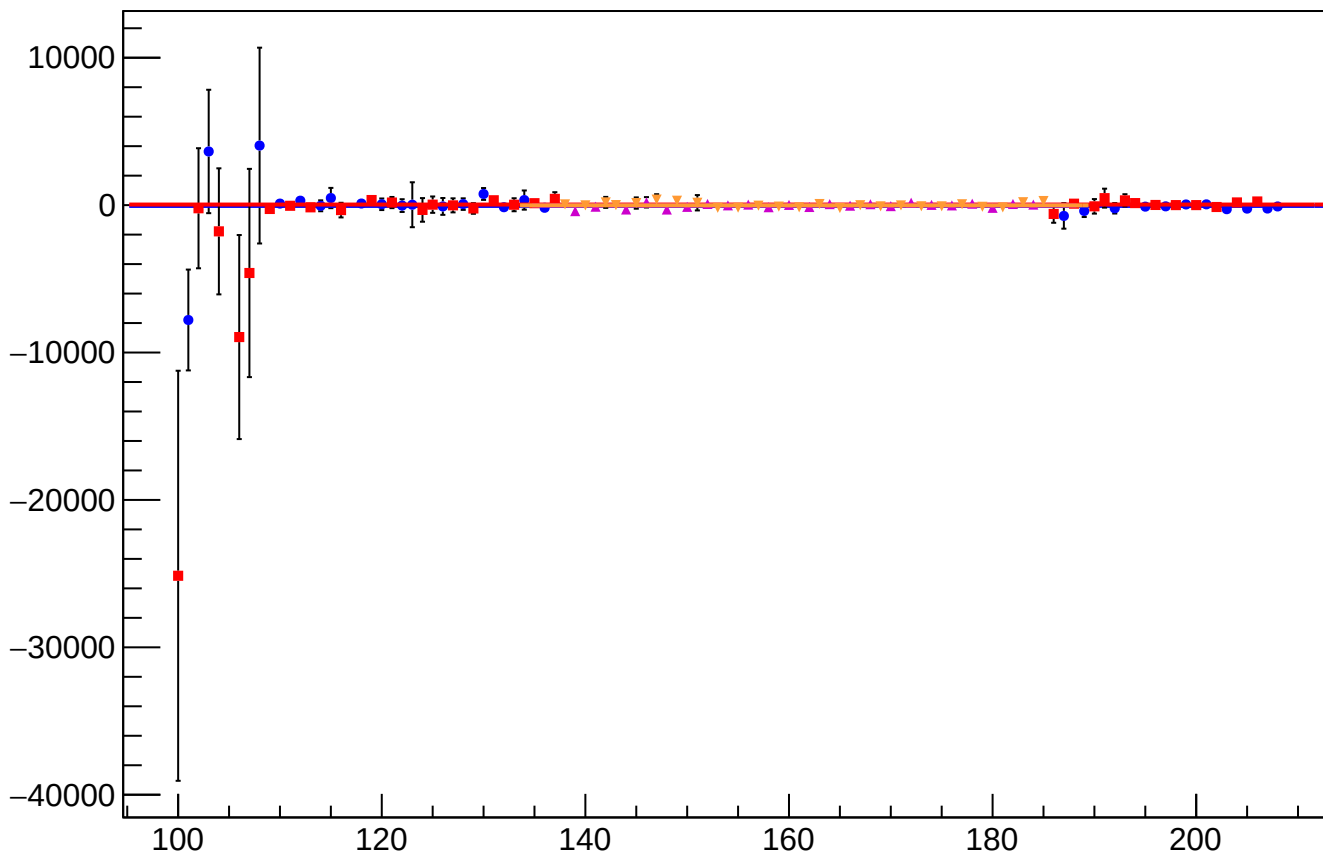
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.181 $\pm$ 0.004 χ^2 /NDF: 3178319.7/52

All: 28.185 $\pm$ 0.003 χ^2 /NDF: 6828469.3/106

- 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: -53.679 ± 49.496 χ^2/NDF : 21.4/27

Left Out: -15.483 ± 48.109 χ^2/NDF : 8.7/24

Right Out: 39.404 ± 50.650 χ^2/NDF : 18.3/30

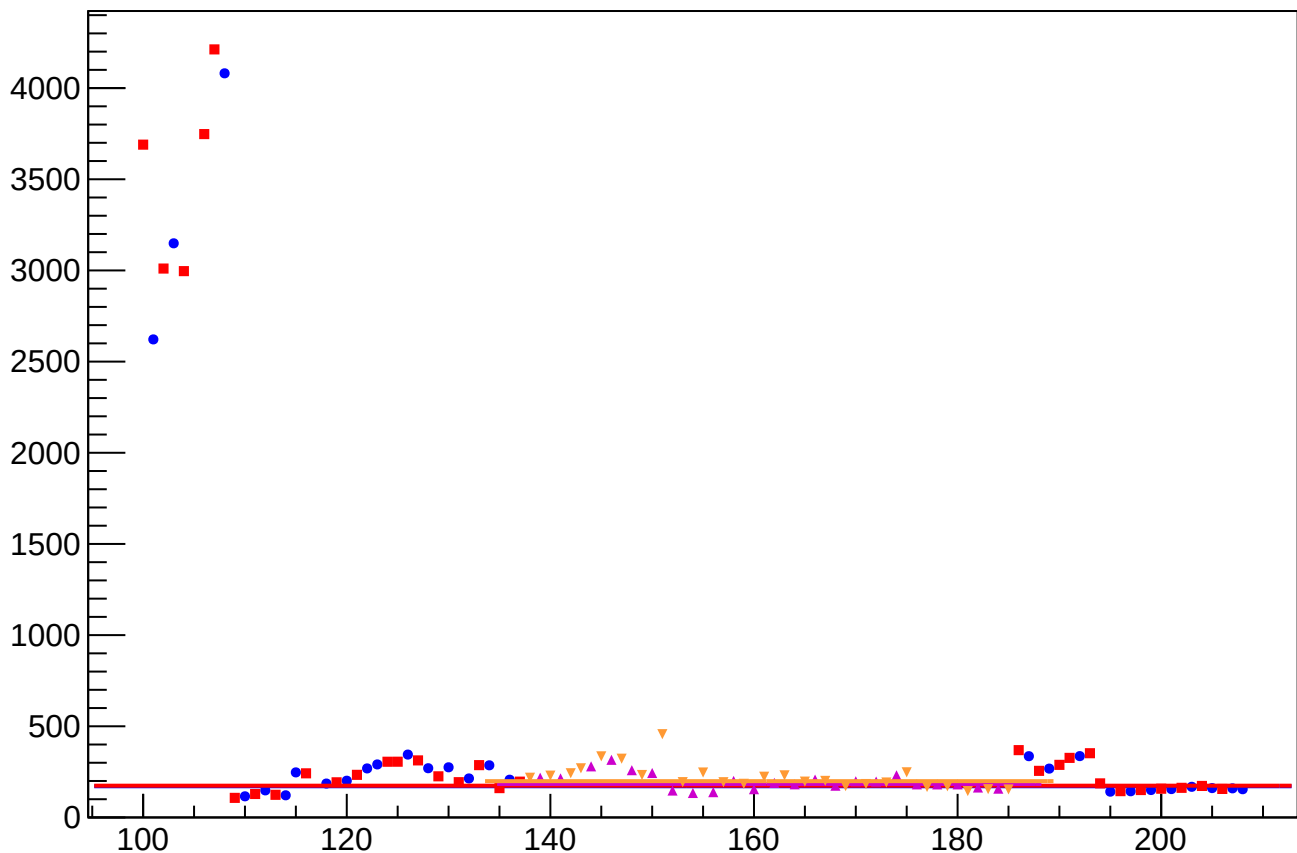
Left In: -27.009 ± 45.785 χ^2/NDF : 7.8/22

+ sign -34.038 ± 34.498 χ^2/NDF : 30.4/52

All: -15.304 ± 24.203 χ^2/NDF : 58.0/106

- sign 2.855 ± 33.965 χ^2/NDF : 27.1/53

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.029 $\pm$ 0.035 χ^2 /NDF: 4513386.1/27

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

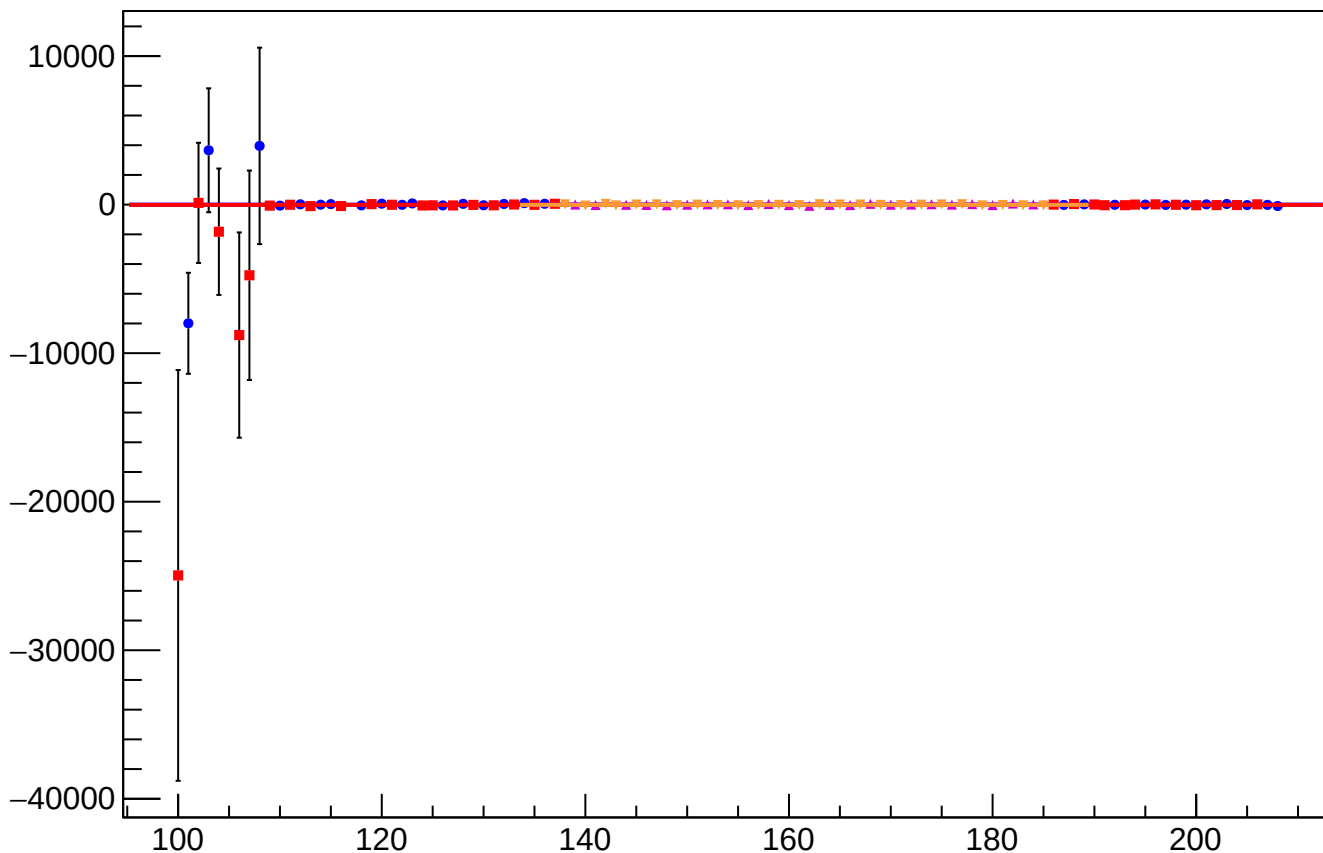
Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

+ sign 185.460 $\pm$ 0.024 χ^2 /NDF: 6724357.0/52

All: 182.398 $\pm$ 0.017 χ^2 /NDF: 13568528.8/10

- 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: -1.763 ± 7.647 χ^2/NDF : 34.5/27

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -14.280 ± 7.615 χ^2/NDF : 26.4/30

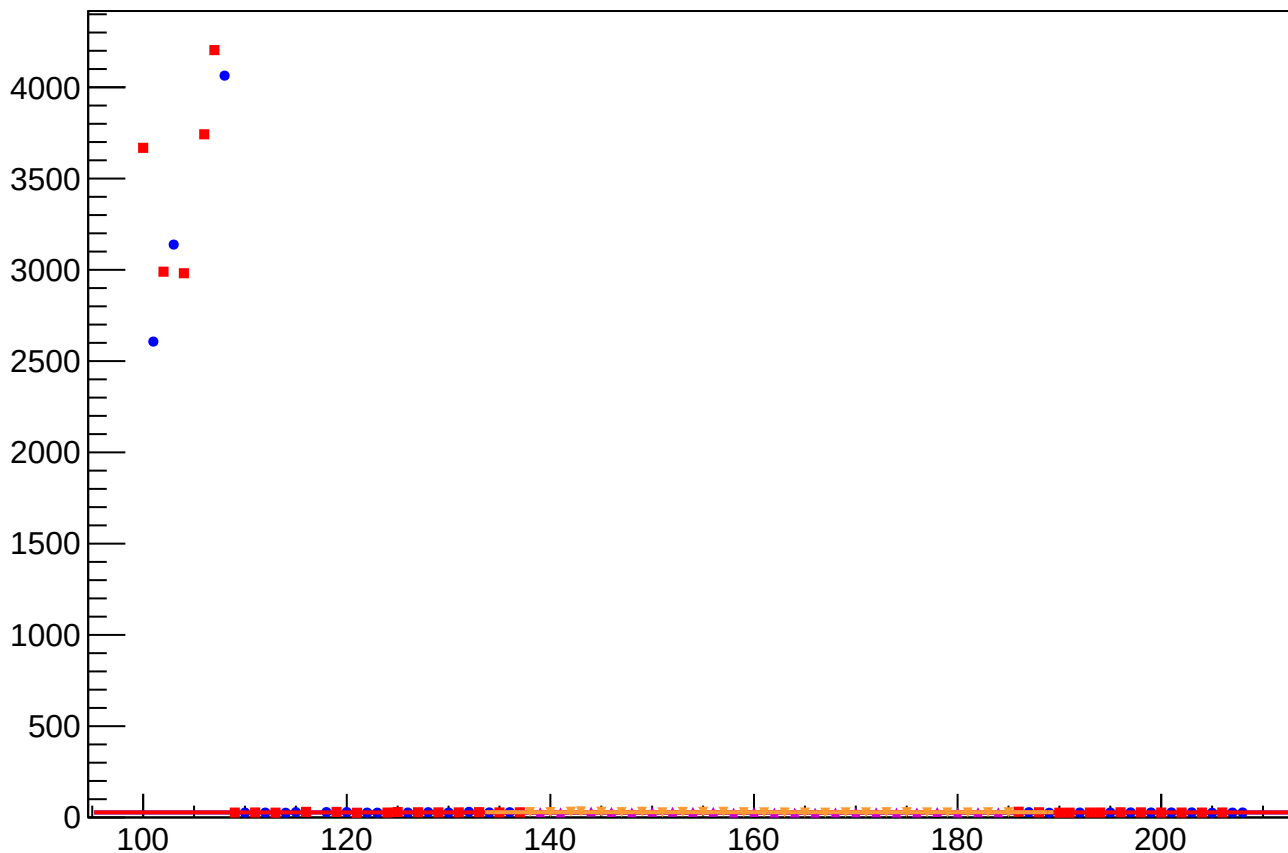
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -9.233 ± 5.049 χ^2/NDF : 53.6/52

All: -7.668 ± 3.594 χ^2/NDF : 108.7/106

- sign -6.062 ± 5.117 χ^2/NDF : 54.9/53

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.418 $\pm$ 0.005 χ^2 /NDF: 3047217.2/27

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

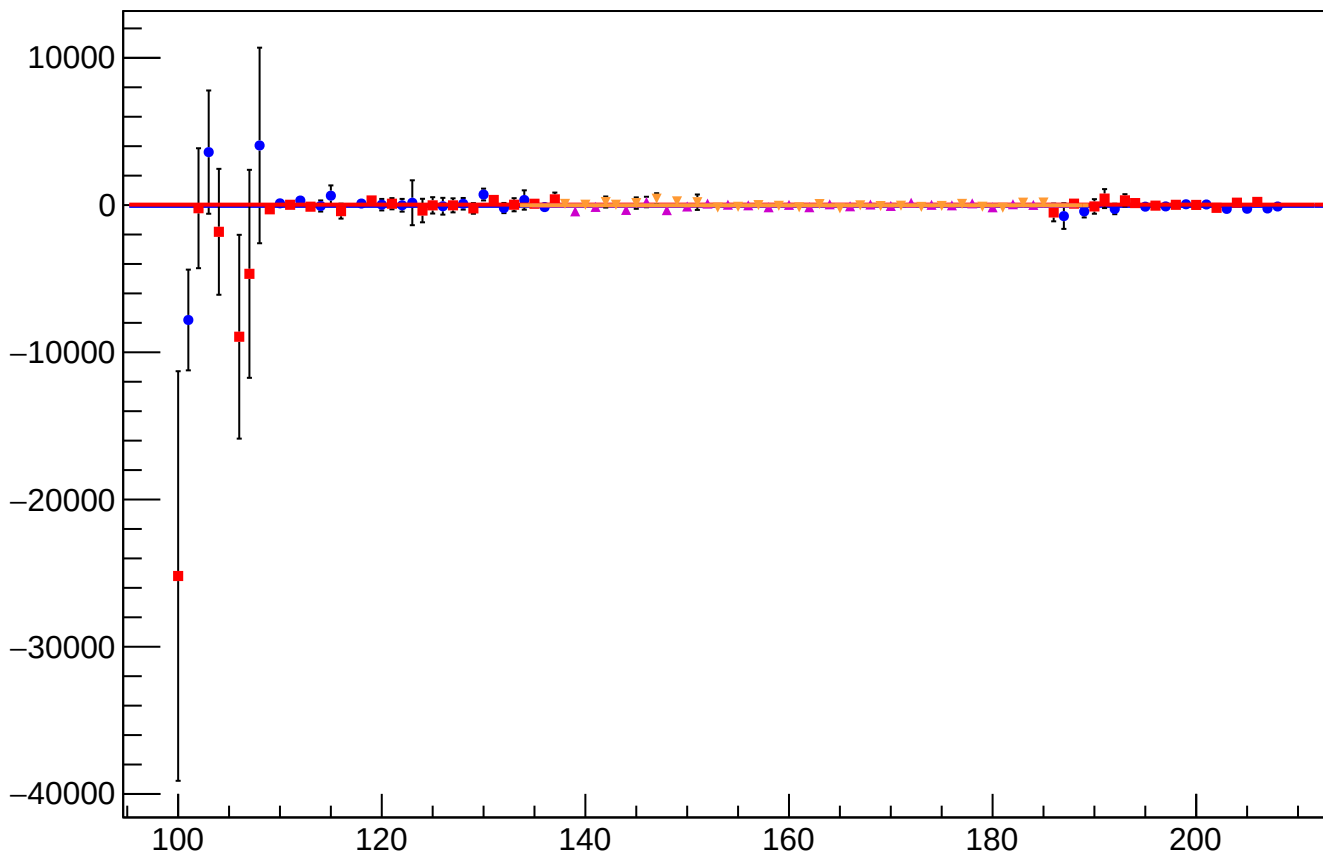
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.205 $\pm$ 0.004 χ^2 /NDF: 3206704.0/52

All: 28.220 $\pm$ 0.003 χ^2 /NDF: 6868586.5/106

- 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: -55.946 $\pm$ 49.838 χ^2 /NDF: 21.7/27

Left Out: -15.548 $\pm$ 48.688 χ^2 /NDF: 8.0/24

Right Out: 30.333 $\pm$ 51.033 χ^2 /NDF: 17.4/30

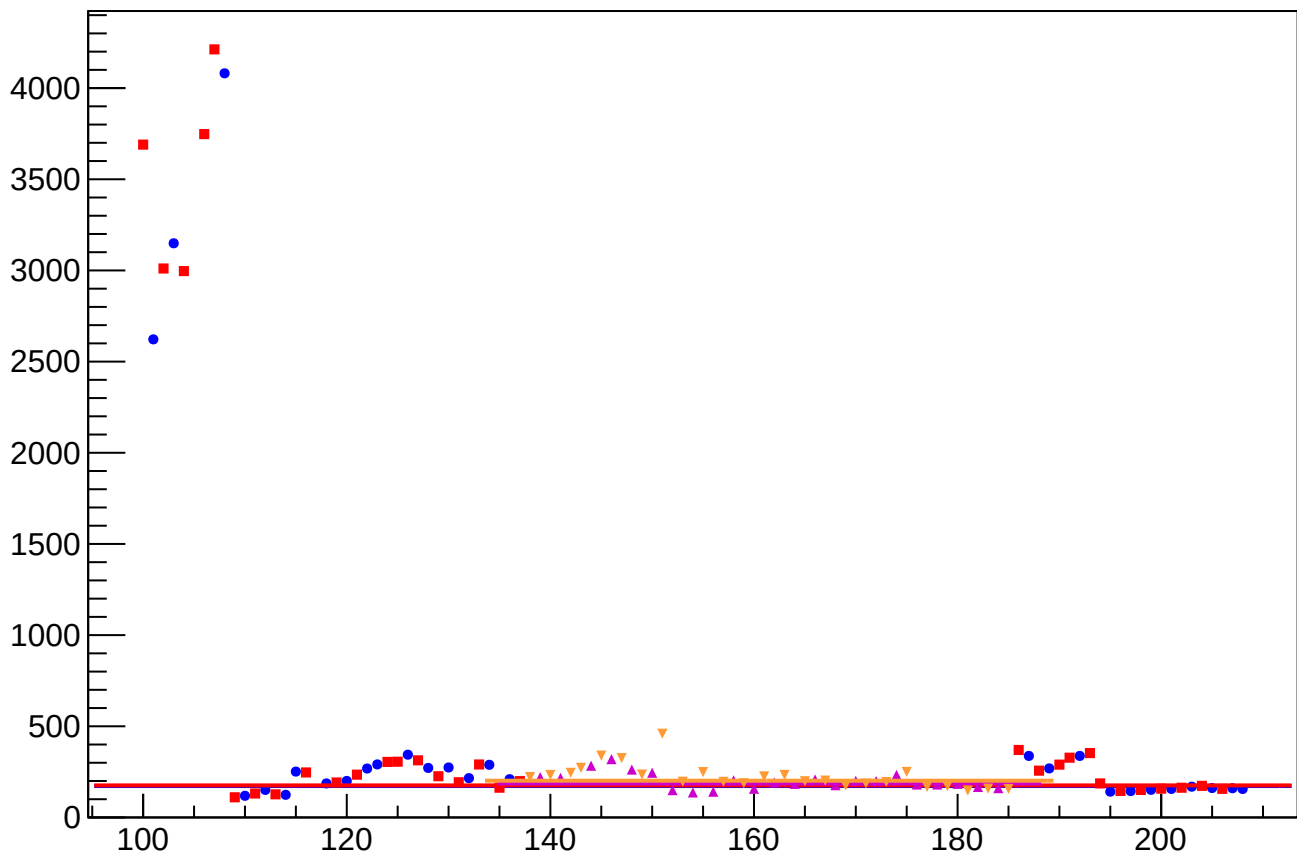
Left In: -31.170 $\pm$ 46.359 χ^2 /NDF: 8.2/22

+ sign -35.276 $\pm$ 34.827 χ^2 /NDF: 30.0/52

All: -19.083 $\pm$ 24.443 χ^2 /NDF: 56.7/106

- sign -3.363 $\pm$ 34.314 χ^2 /NDF: 26.3/53

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 172.313+/-0.035 χ^2/NDF : 4482371.5/27

Left Out: 201.600+/-0.034 χ^2/NDF : 1857453.2/24

Right Out: 175.796+/-0.036 χ^2/NDF : 5292813.4/30

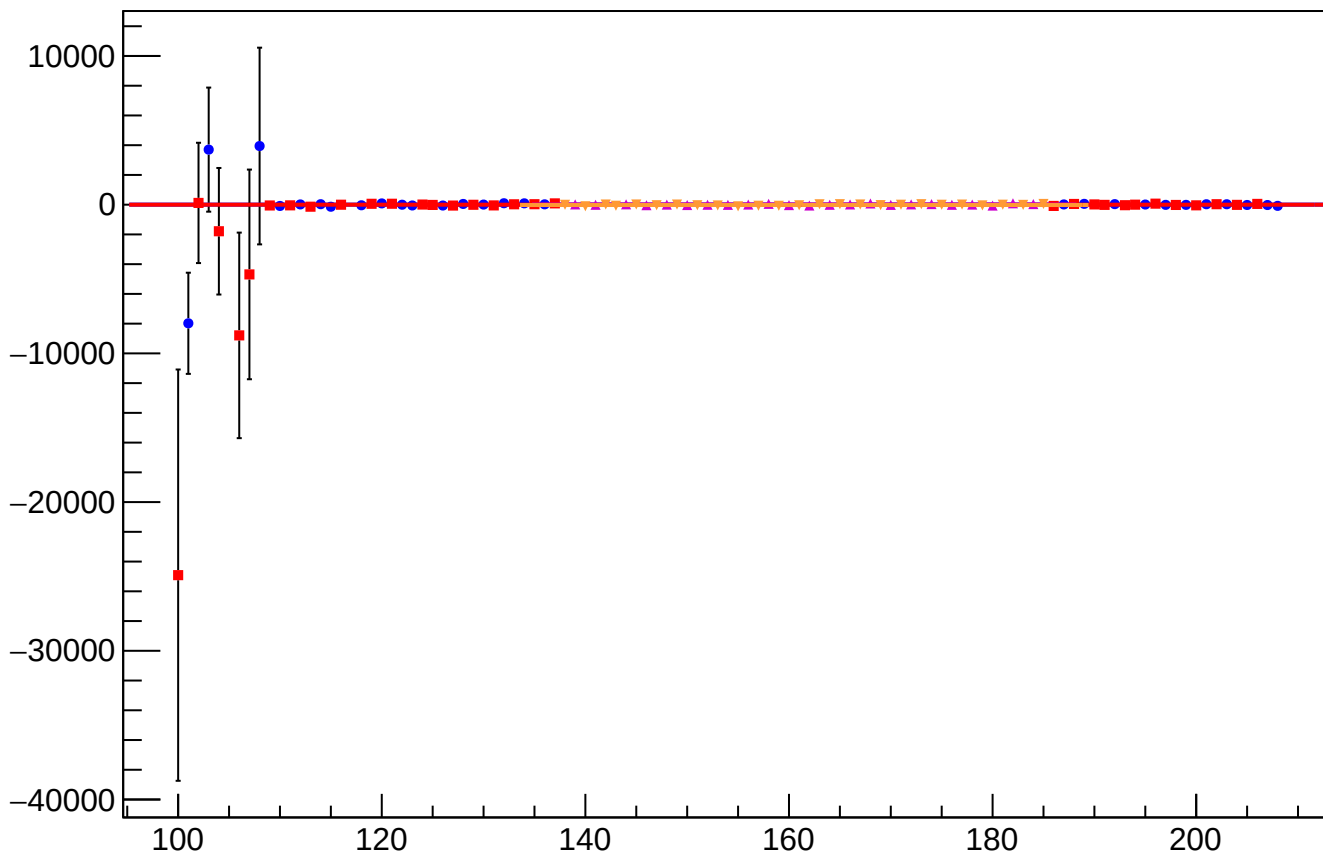
Left In: 186.107+/-0.033 χ^2/NDF : 1391327.2/22

+ sign 187.298+/-0.025 χ^2/NDF : 6693214.2/52

All: 184.328+/-0.017 χ^2/NDF : 13450747.3/100

- sign 181.445+/-0.024 χ^2/NDF : 6728870.4/53

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.465 ± 9.331 χ^2/NDF : 28.2/27

Left Out: -23.360 ± 8.064 χ^2/NDF : 25.8/24

Right Out: -0.596 ± 9.278 χ^2/NDF : 34.5/30

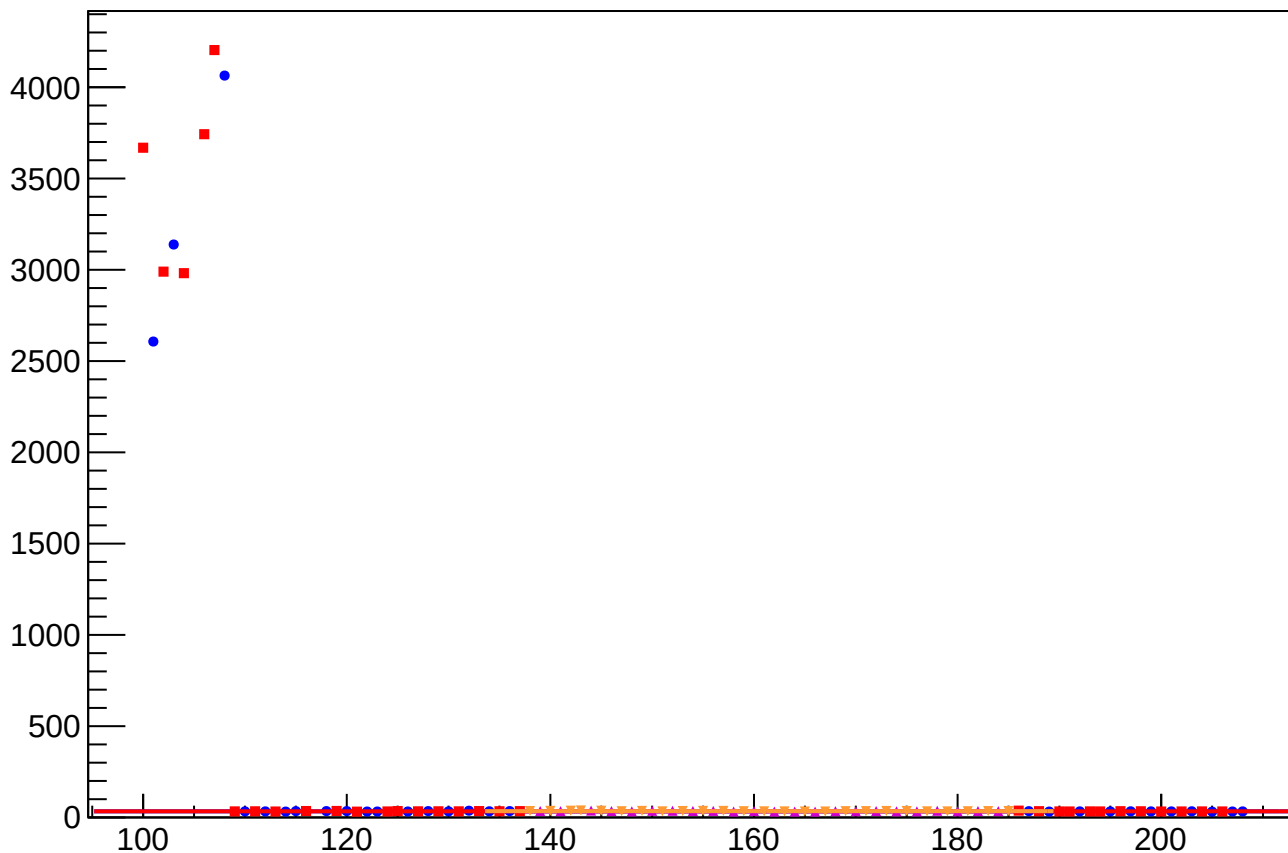
Left In: 6.001 ± 8.309 χ^2/NDF : 21.1/22

+ sign -11.891 ± 6.102 χ^2/NDF : 58.7/52

All: -4.520 ± 4.345 χ^2/NDF : 117.6/106

- sign 3.065 ± 6.190 χ^2/NDF : 55.9/53

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.479+/-0.007 χ^2/NDF : 3019090.9/27

Left Out: 34.614+/-0.006 χ^2/NDF : 57946.1/24

Right Out: 33.623+/-0.007 χ^2/NDF : 3467551.3/30

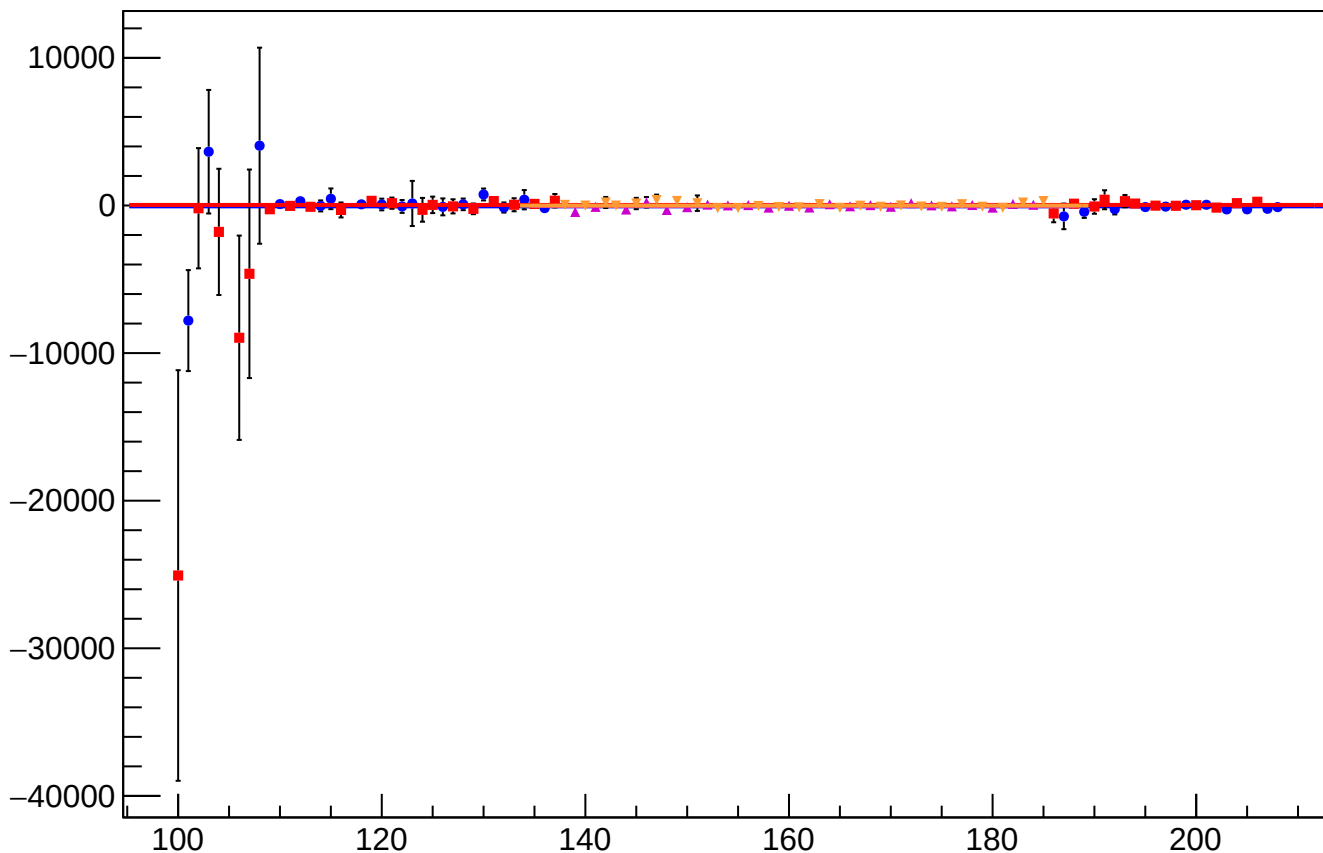
Left In: 34.685+/-0.006 χ^2/NDF : 60315.2/22

+ sign 34.129+/-0.004 χ^2/NDF : 3093977.8/52

All: 34.170+/-0.003 χ^2/NDF : 6636579.1/106

- sign 34.212+/-0.004 χ^2/NDF : 3542418.2/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -59.413 ± 49.690 χ^2/NDF : 21.3/27

Left Out: -8.916 ± 48.615 χ^2/NDF : 8.6/24

Right Out: 36.562 ± 50.833 χ^2/NDF : 16.3/30

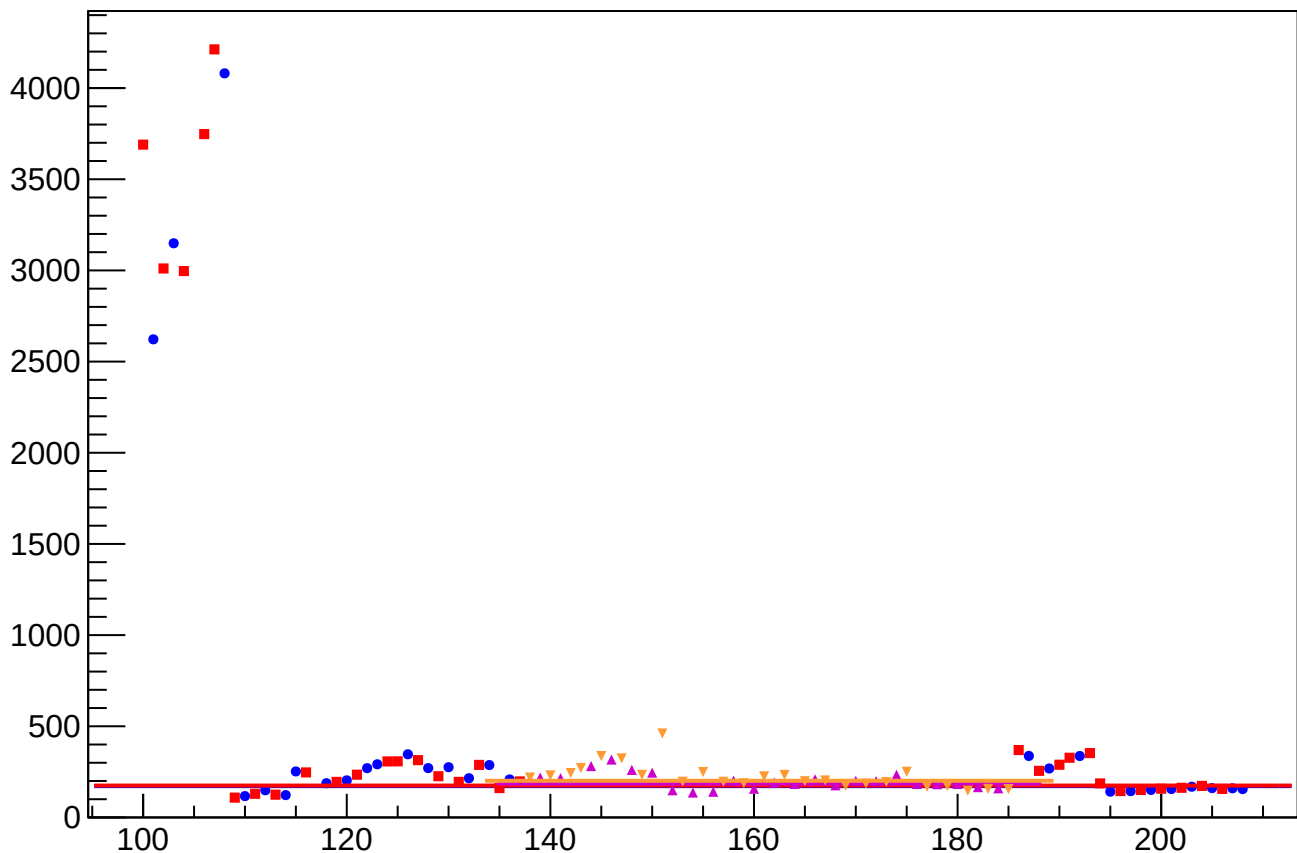
Left In: -34.127 ± 46.296 χ^2/NDF : 7.4/22

+ sign -33.613 ± 34.750 χ^2/NDF : 30.4/52

All: -17.607 ± 24.385 χ^2/NDF : 55.6/106

- sign -2.077 ± 34.228 χ^2/NDF : 24.7/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 171.710 $\pm$ 0.035 χ^2 /NDF: 4511260.8/27

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

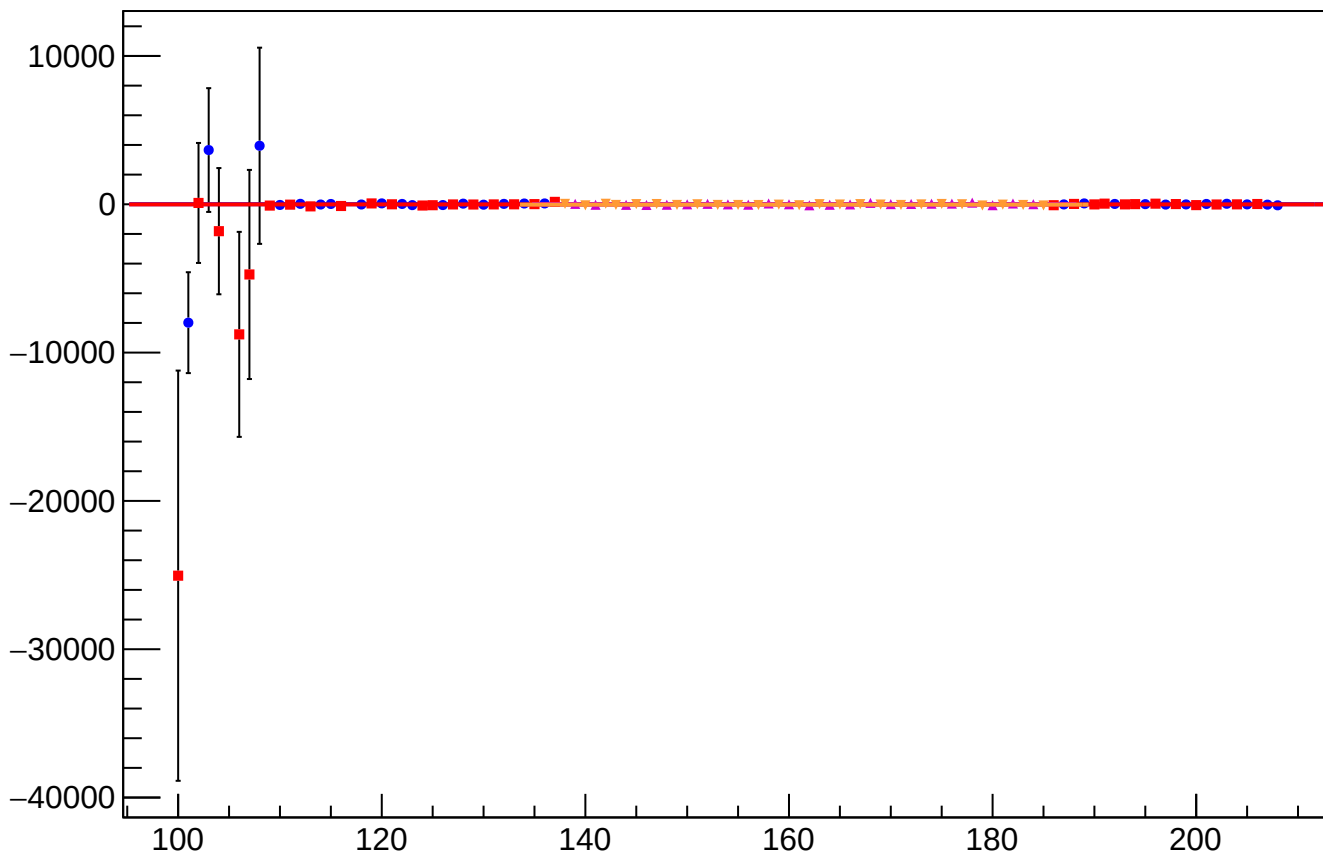
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 186.827 $\pm$ 0.025 χ^2 /NDF: 6724671.5/52

All: 183.817 $\pm$ 0.017 χ^2 /NDF: 13528209.0/10

- 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: 5.168 $\pm$ 8.449 χ^2 /NDF: 23.0/27

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

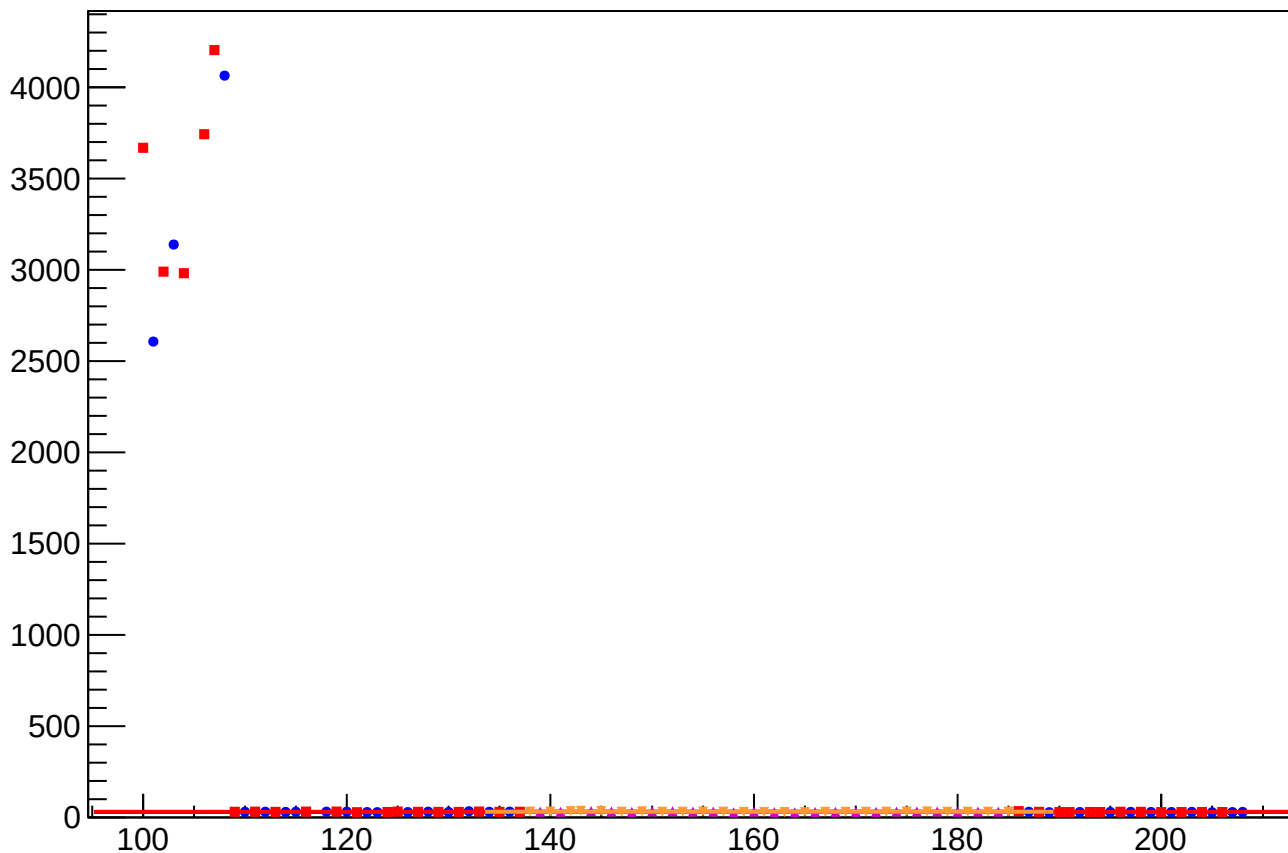
Left In: 5.943 $\pm$ 7.550 χ^2 /NDF:38.3/22

+ sign -10.816 $\pm$ 5.541 χ^2 /NDF: 48.0/52

All: -5.482 $\pm$ 3.944 χ^2 /NDF: 126.9/106

- 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: 30.304 $\pm$ 0.006 χ^2 /NDF: 3036449.1/27

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

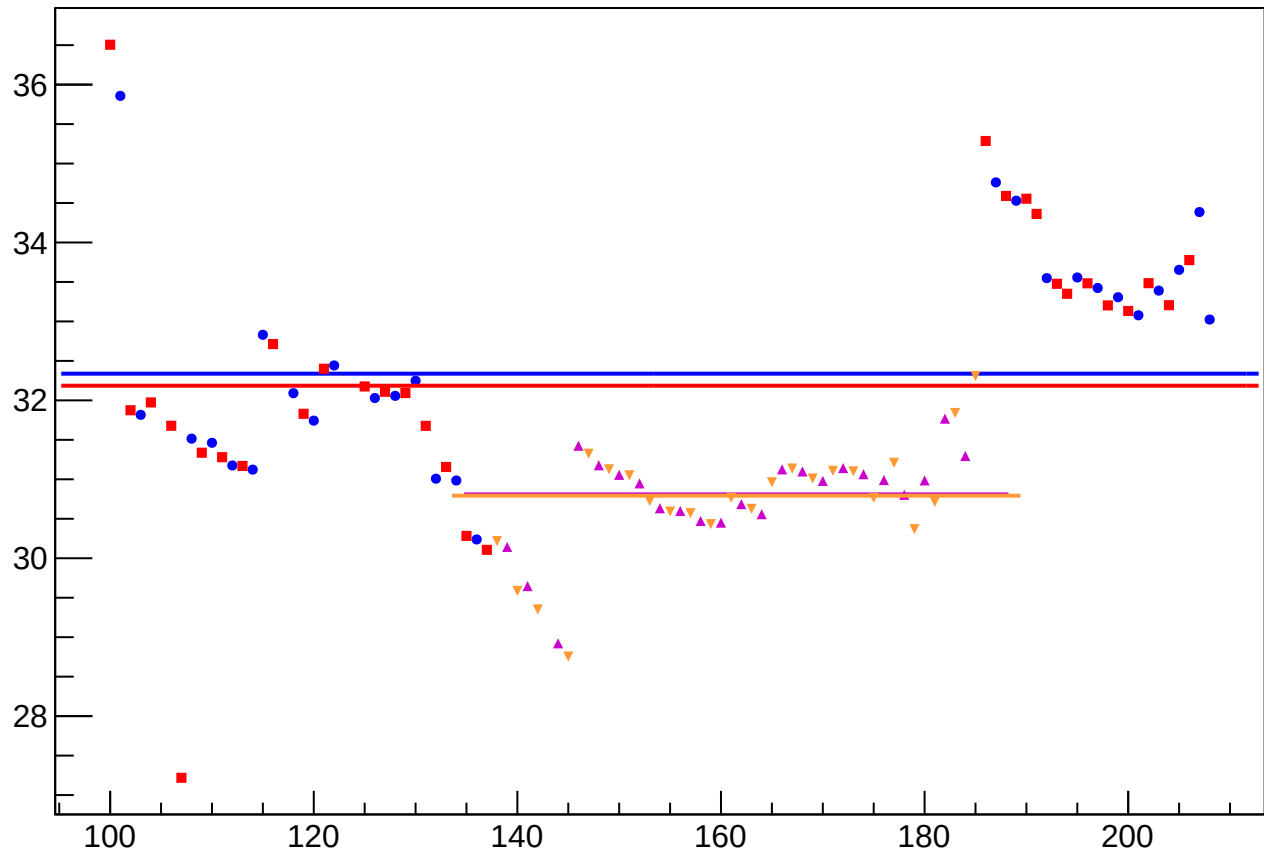
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 30.975 $\pm$ 0.004 χ^2 /NDF: 3141026.9/52

All: 30.994 $\pm$ 0.003 χ^2 /NDF: 6730368.1/106

- sign 31.014 $\pm$ 0.004 χ^2 /NDF: 3589293.5/53

yield_usl_mean vs Slug



Right In: 32.338 ± 0.000 χ^2/NDF : 2810307012.4/26

Left Out: 30.793 ± 0.000 χ^2/NDF : 1007261340.7/23

Right Out: 32.186 ± 0.000 χ^2/NDF : 2332287518.2/29

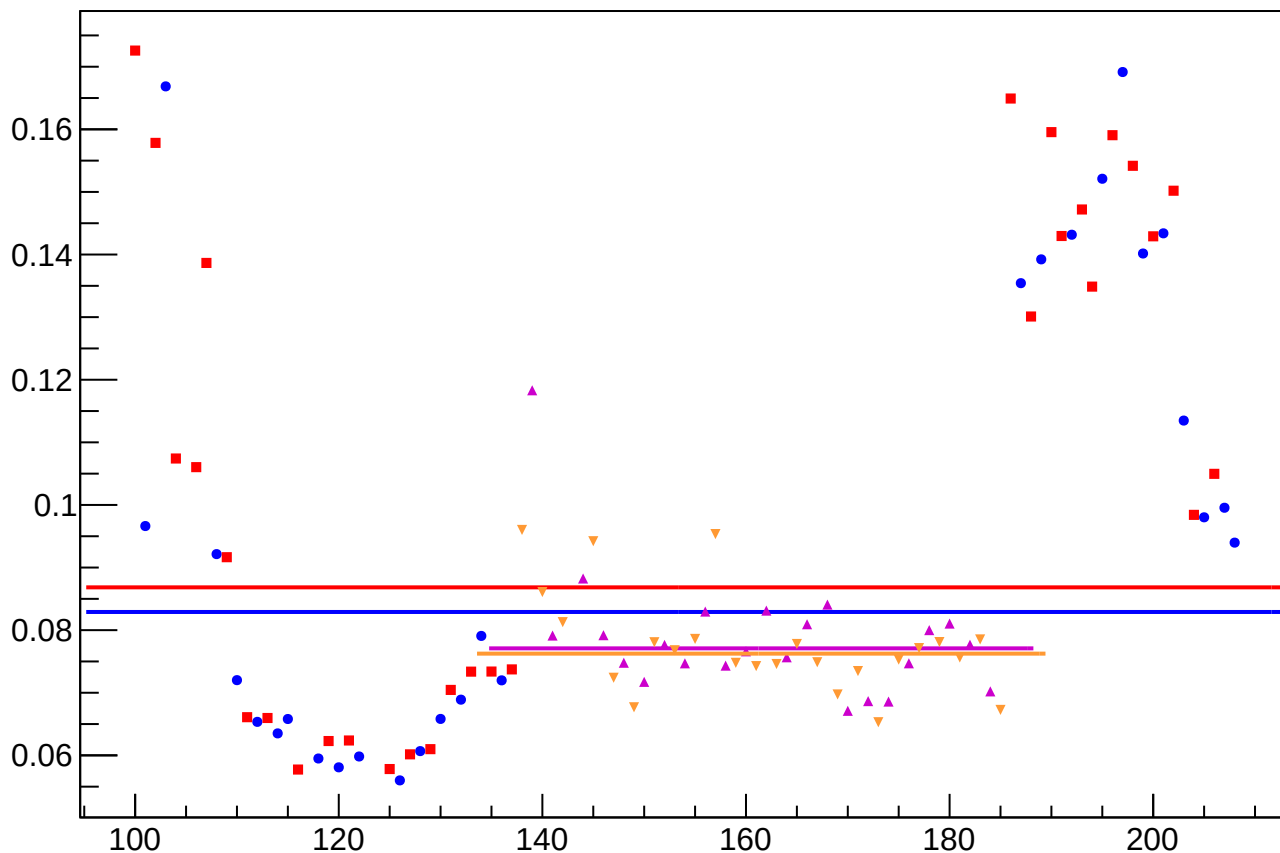
Left In: 30.809 ± 0.000 χ^2/NDF : 821961762.3/22

+ sign 31.390 ± 0.000 χ^2/NDF : 6365071243.9/50

All: 31.361 ± 0.000 χ^2/NDF : 11442506916.5

- sign 31.331 ± 0.000 χ^2/NDF : 5069856761.2/52

yield_usl_rms vs Slug



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 3136041.4/26

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

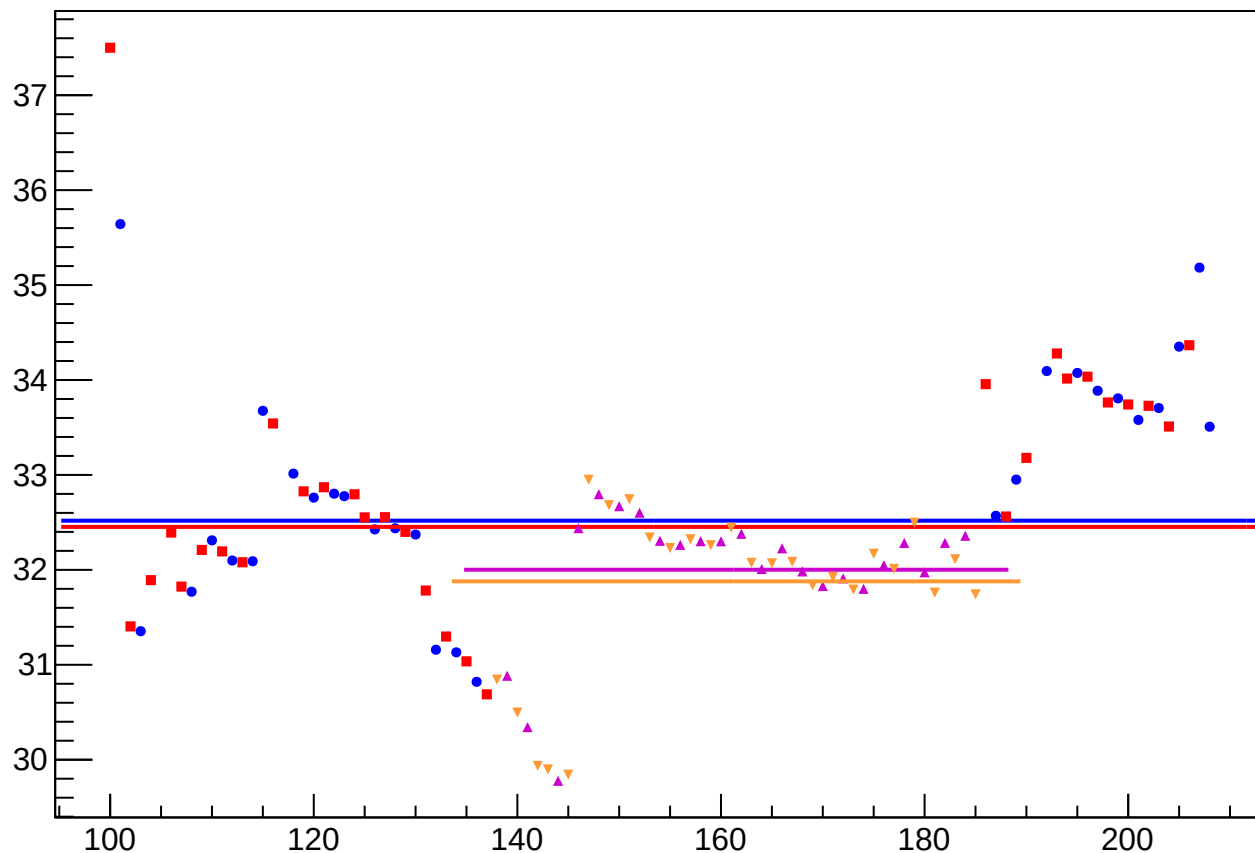
Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 3508385.8/50

All: 0.080 $\pm$ 0.000 χ^2 /NDF: 7649006.5/103

- sign 0.081 $\pm$ 0.000 χ^2 /NDF: 4123640.9/52

yield_usr_mean vs Slug



Right In: 32.518+/-0.000 χ^2/NDF : 1516912268.4/27

Left Out: 31.879+/-0.000 χ^2/NDF :1976281391.1/24

Right Out: 32.452+/-0.000 χ^2/NDF : 862401173.5/29

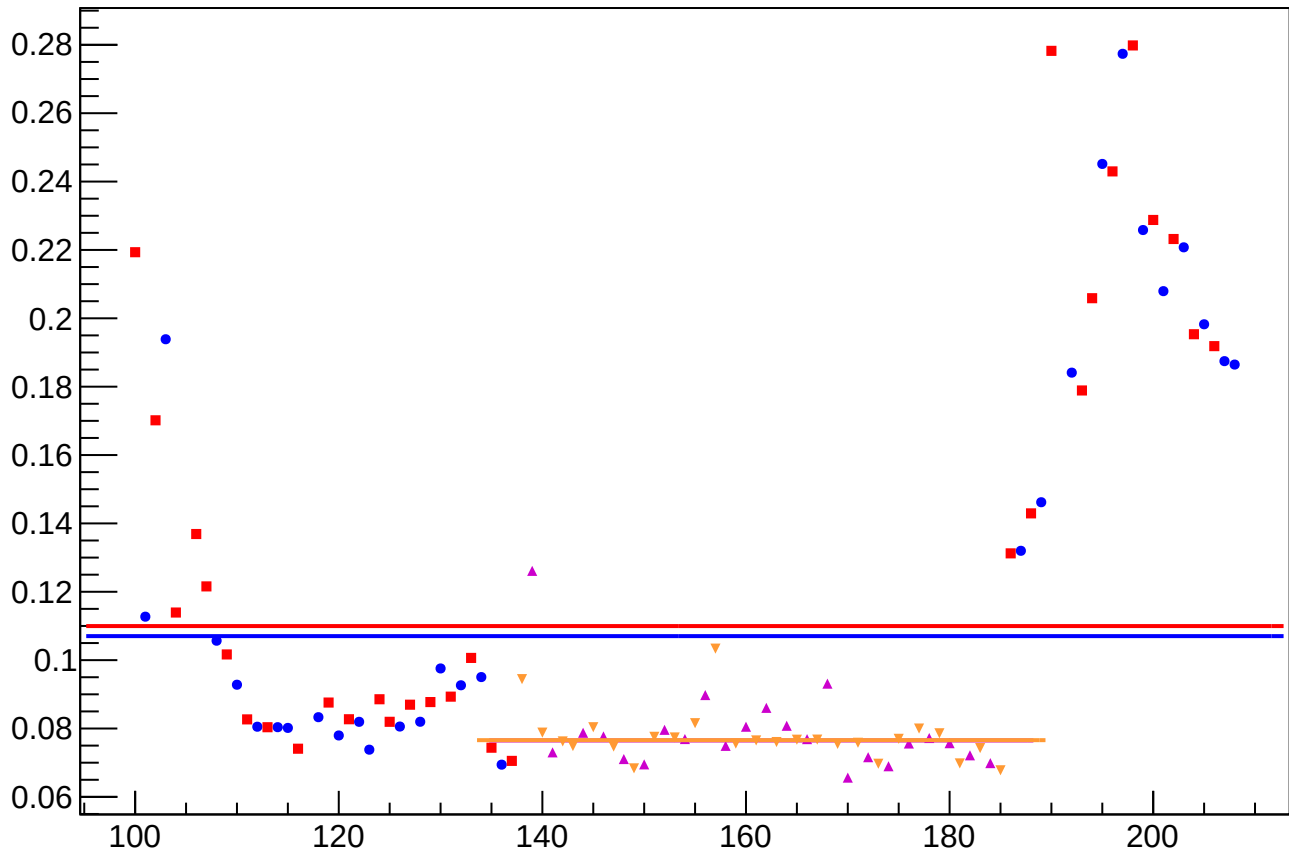
Left In: 32.001+/-0.000 χ^2/NDF :1411110671.9/22

+ sign 32.040+/-0.000 χ^2/NDF : 3788438686.7/52

All: 32.078+/-0.000 χ^2/NDF : 6218311525.8/52

- sign 32.118+/-0.000 χ^2/NDF : 2418287873.7/52

yield_usr_rms vs Slug



Right In: 0.107 $\pm$ 0.000 χ^2 /NDF: 4712799.9/27

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.110 $\pm$ 0.000 χ^2 /NDF: 4376815.9/29

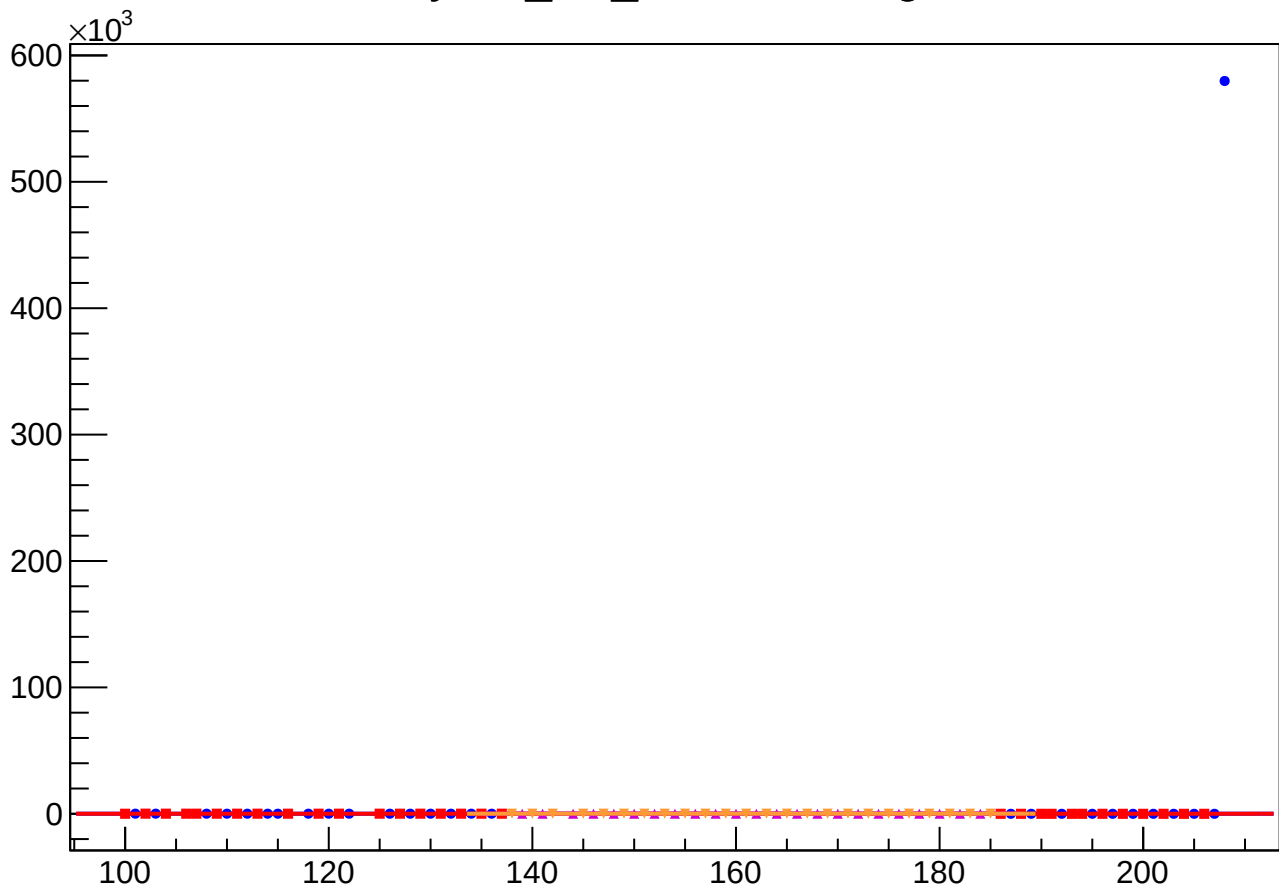
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.084 $\pm$ 0.000 χ^2 /NDF: 6262829.3/52

All: 0.085 $\pm$ 0.000 χ^2 /NDF: 12669029.8/105

- sign 0.085 $\pm$ 0.000 χ^2 /NDF: 6403005.2/52

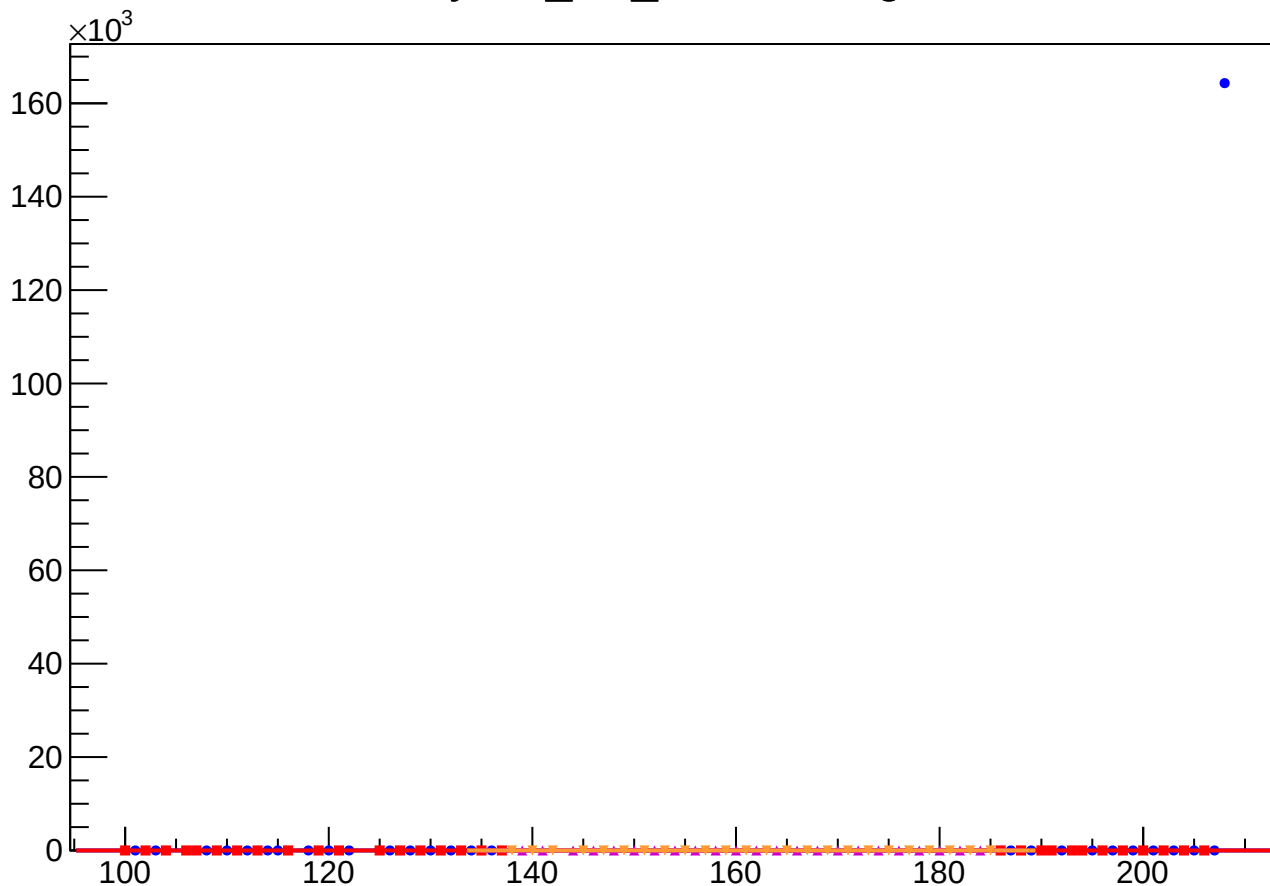
yield_dsl_mean vs Slug



Right In: 54.615 $\pm$ 0.000 χ^2 /NDF: 10853517739842.3/26
 Left Out: 83.402 $\pm$ 0.000 χ^2 /NDF: 8756634444.3/23
 Right Out: 51.099 $\pm$ 0.000 χ^2 /NDF: 11528413992773.5/29
 Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22

+ sign 71.450 $\pm$ 0.000 χ^2 /NDF: 13713572390182.3
 All: 70.353 $\pm$ 0.000 χ^2 /NDF: 2903824698456
 - sign 69.298 $\pm$ 0.000 χ^2 /NDF: 15291228844350.2

yield_dsl_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 1830164.9/26

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:206685.9/23

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 842763.5/29

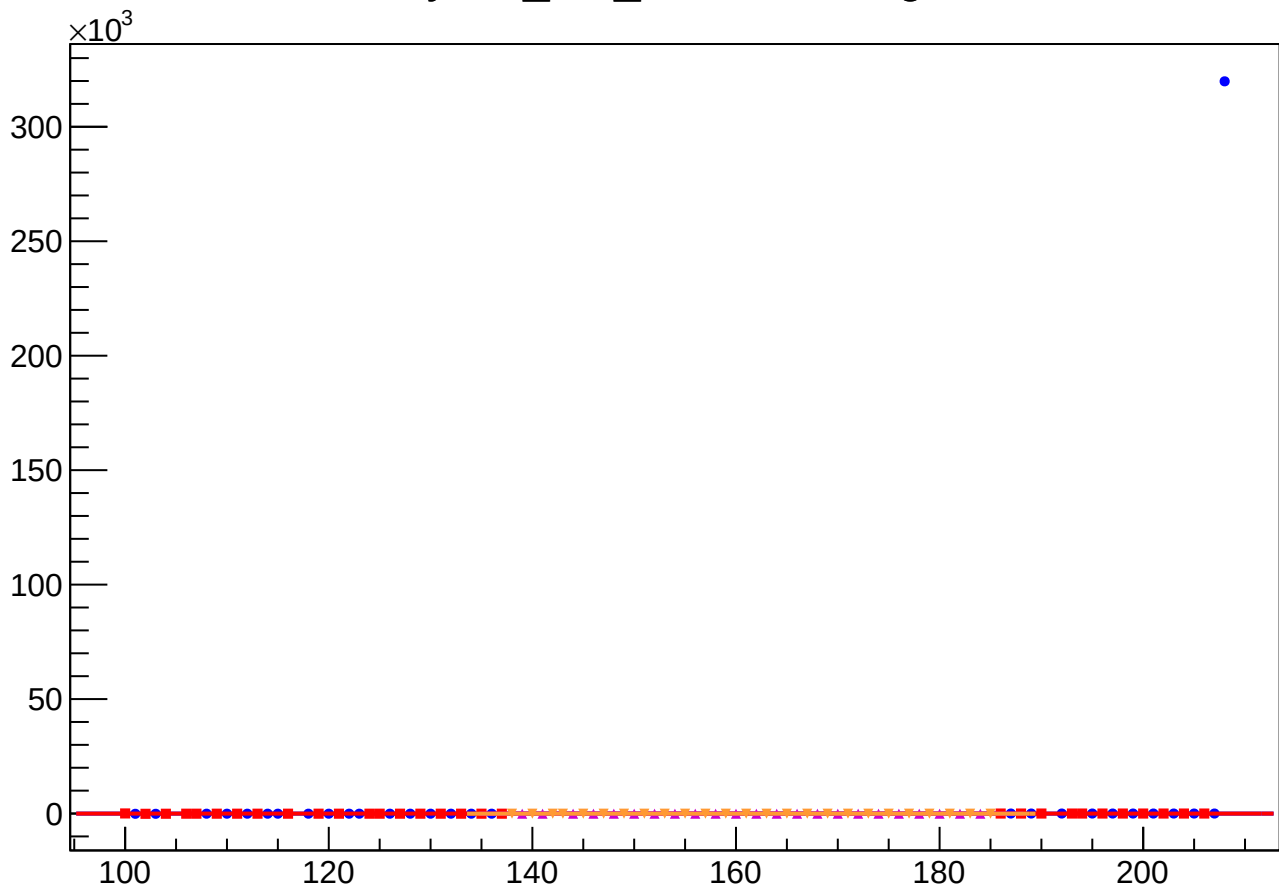
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.046 $\pm$ 0.000 χ^2 /NDF: 2056054.0/50

All: 0.046 $\pm$ 0.000 χ^2 /NDF: 3169038.4/103

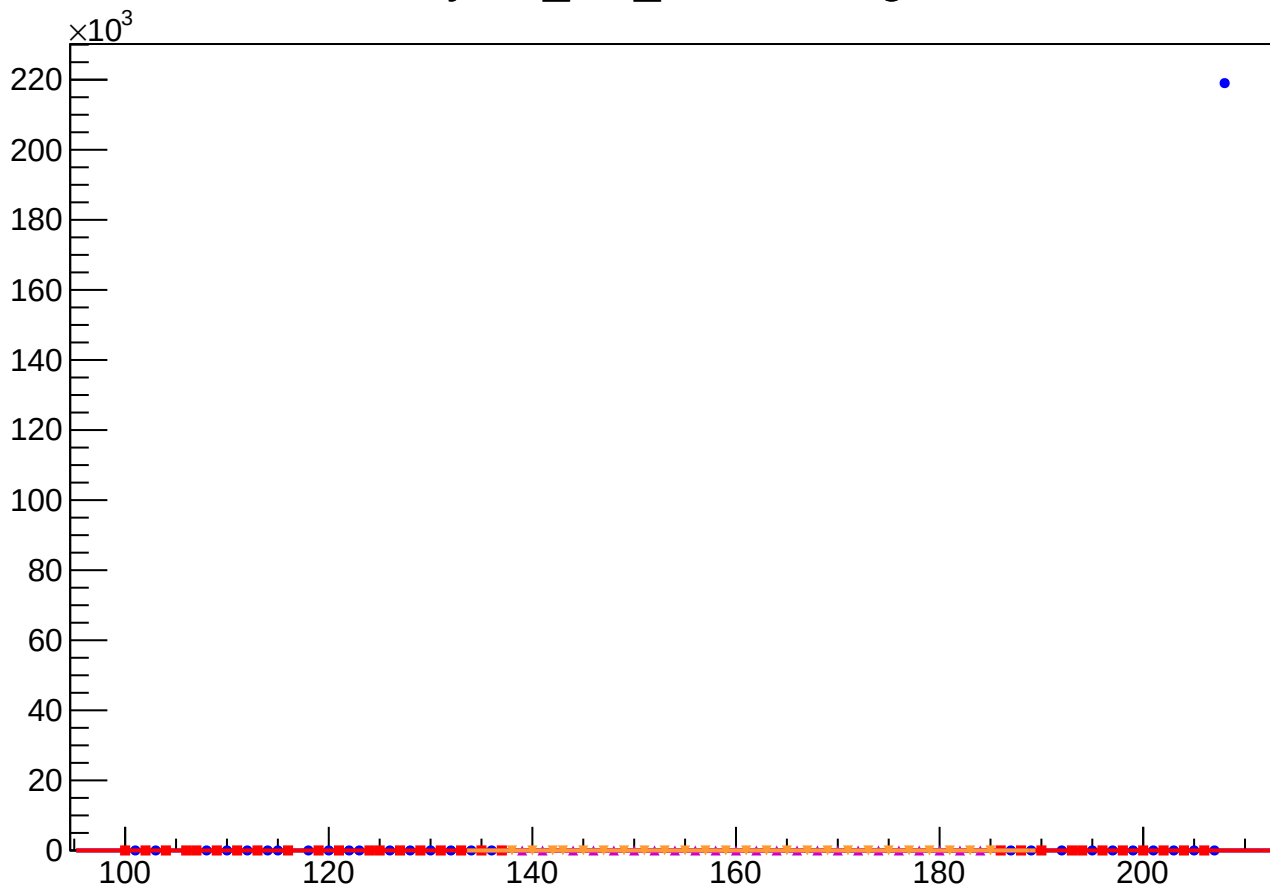
- sign 0.046 $\pm$ 0.000 χ^2 /NDF: 1112700.1/52

yield_dsr_mean vs Slug



Right In: -30.026+/-0.000	χ^2/NDF : 7479128717948.2/27	+ sign -51.425+/-0.000	χ^2/NDF : 11625952263975.0
Left Out: -69.461+/-0.000	χ^2/NDF : 49572401.9/24	All: -50.406+/-0.000	χ^2/NDF : 234256915839
Right Out: -28.760+/-0.000	χ^2/NDF : 7325679650625.8/29	- sign -49.388+/-0.000	χ^2/NDF : 11777427792757.1
Left In: -69.458+/-0.000	χ^2/NDF : 52798704.3/22		

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 1388494.2/27

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

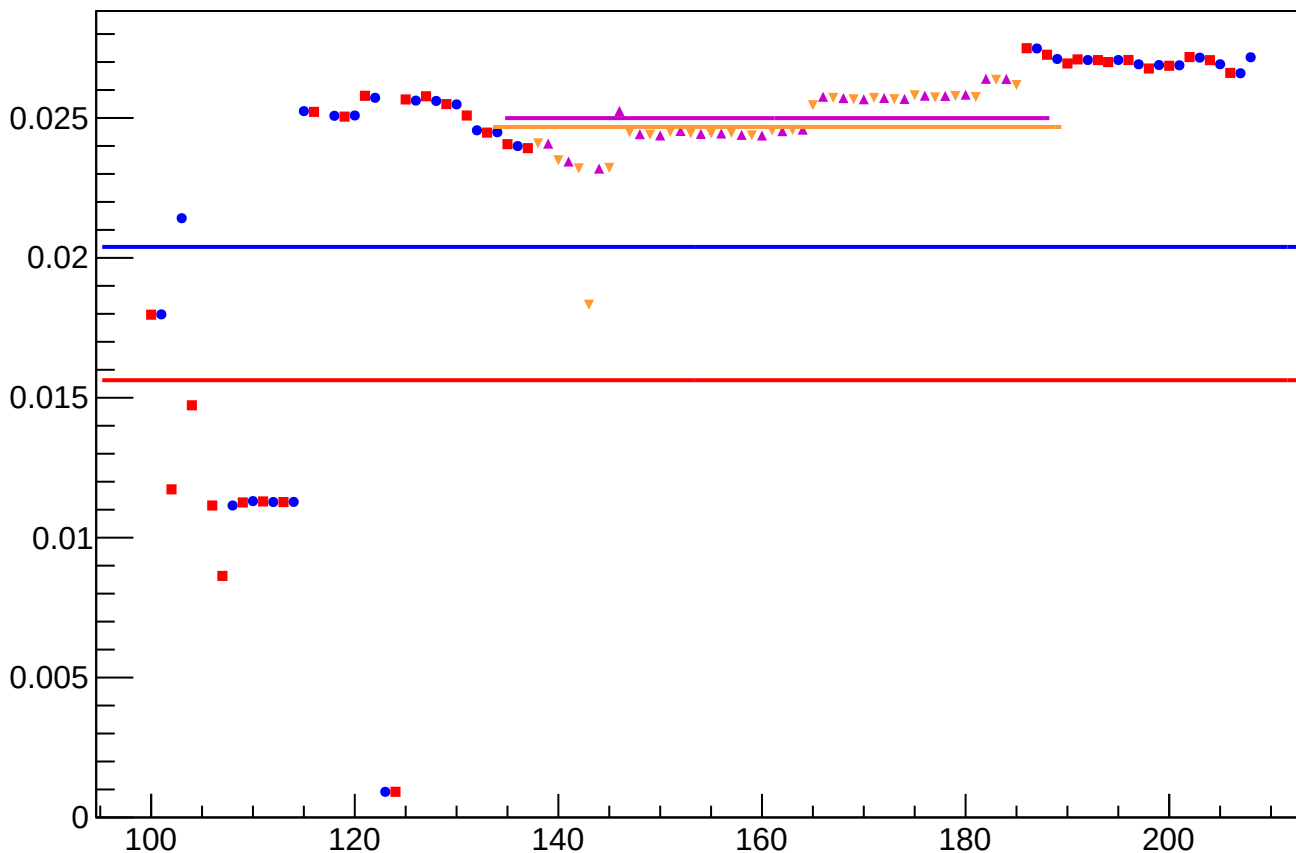
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 1477695.8/52

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 1920642.1/105

- 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: 184955499219.5/27

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

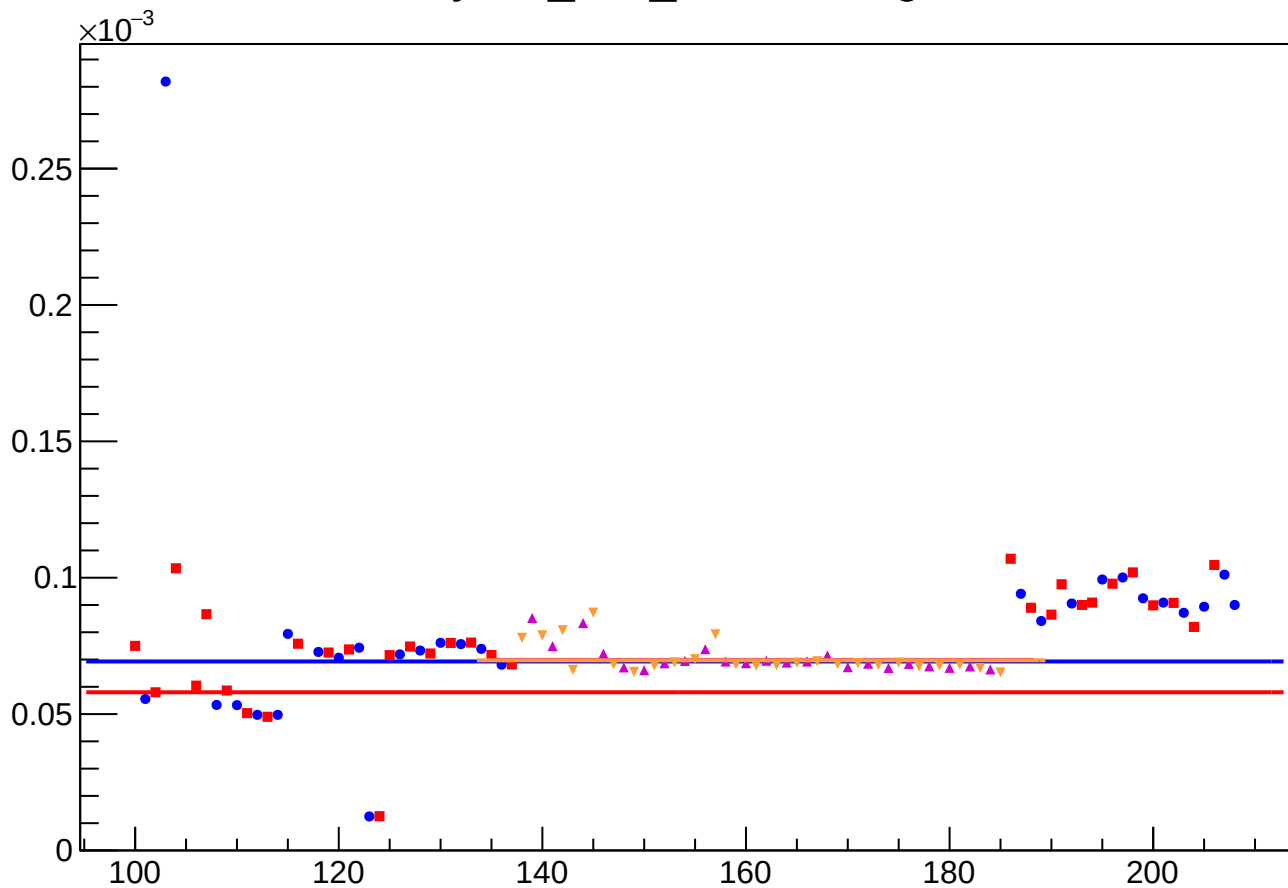
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 222478328224.8/52

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 790765358148.3

- 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 : 3495220.9/27

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 6705716.0/30

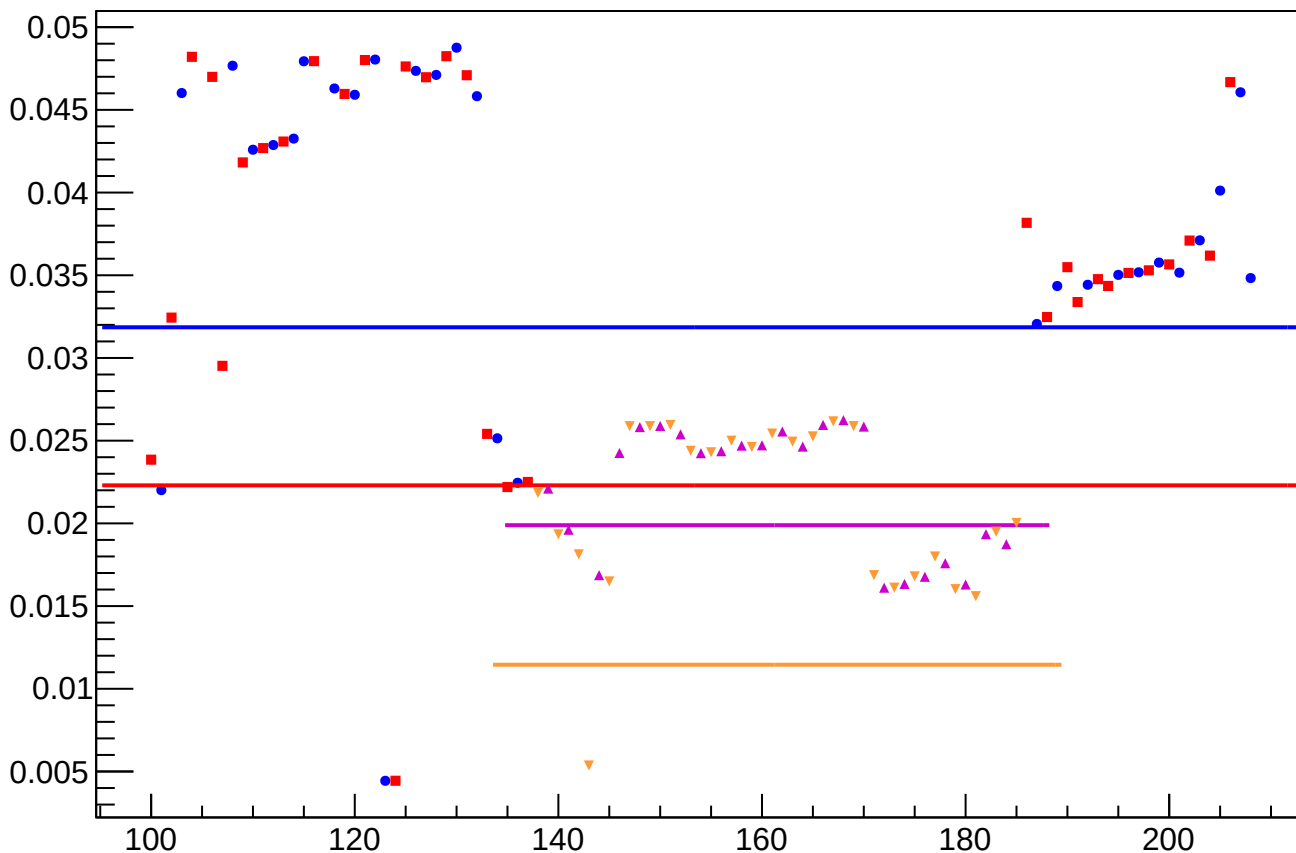
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 3653890.3/52

All: 0.000+/-0.000 χ^2/NDF : 11161141.9/106

- 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: 21752114017.9/27

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

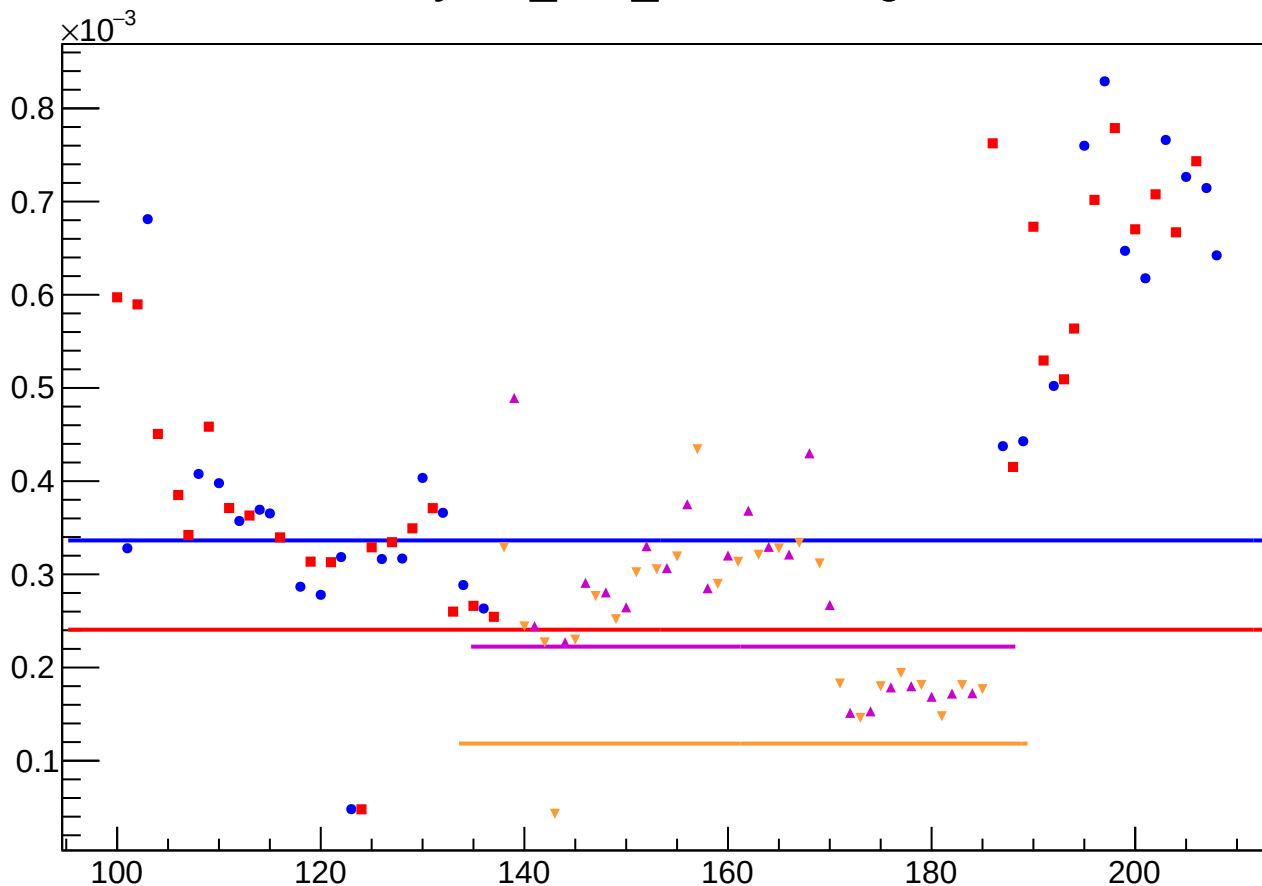
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:4458790813.3/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 94924950372.5/52

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 157777948813.1

- 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 : 6667658.7/27

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 11972573.7/30

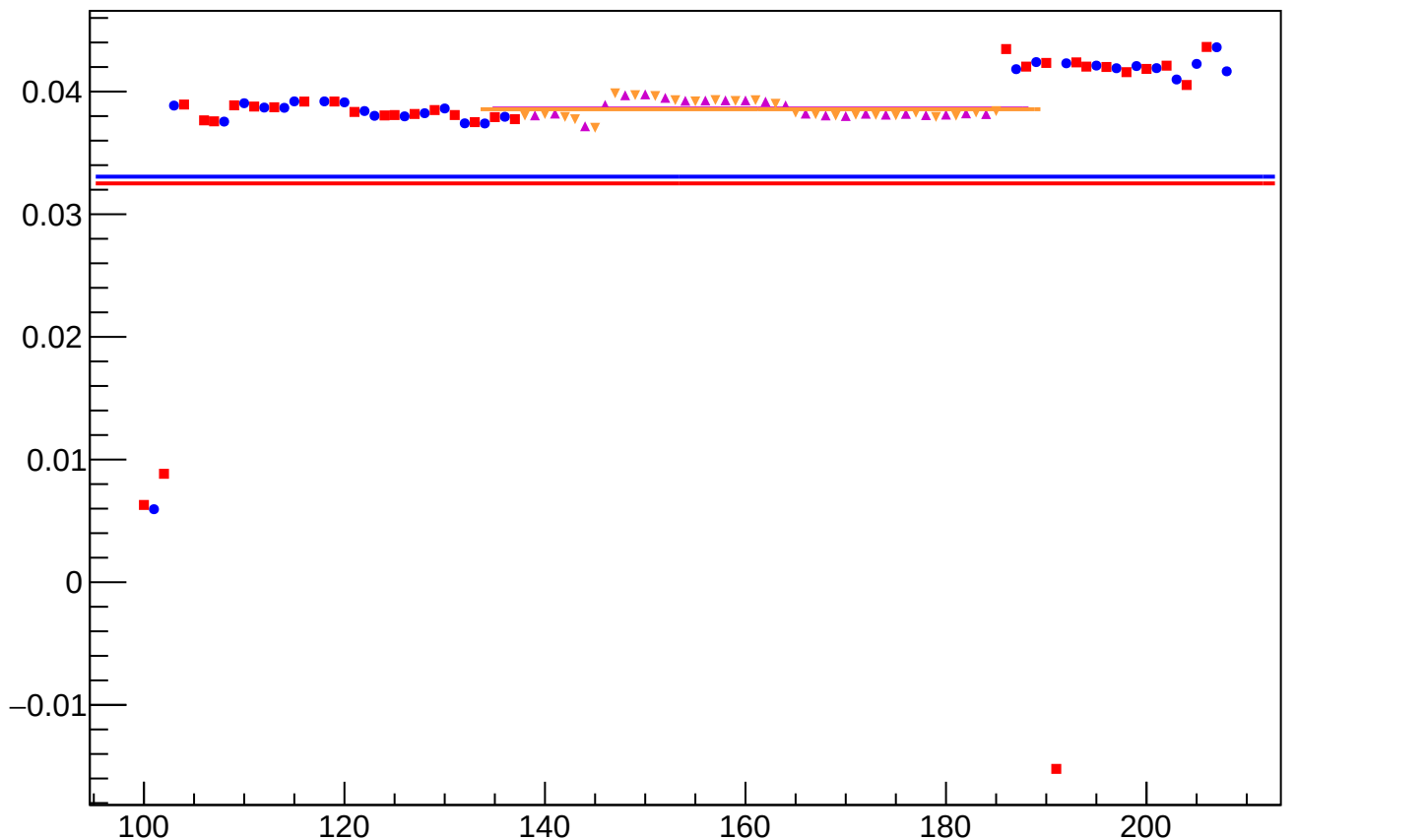
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 27737747.8/52

All: 0.000+/-0.000 χ^2/NDF : 47179993.2/106

- 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: 116357007707.3/27

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

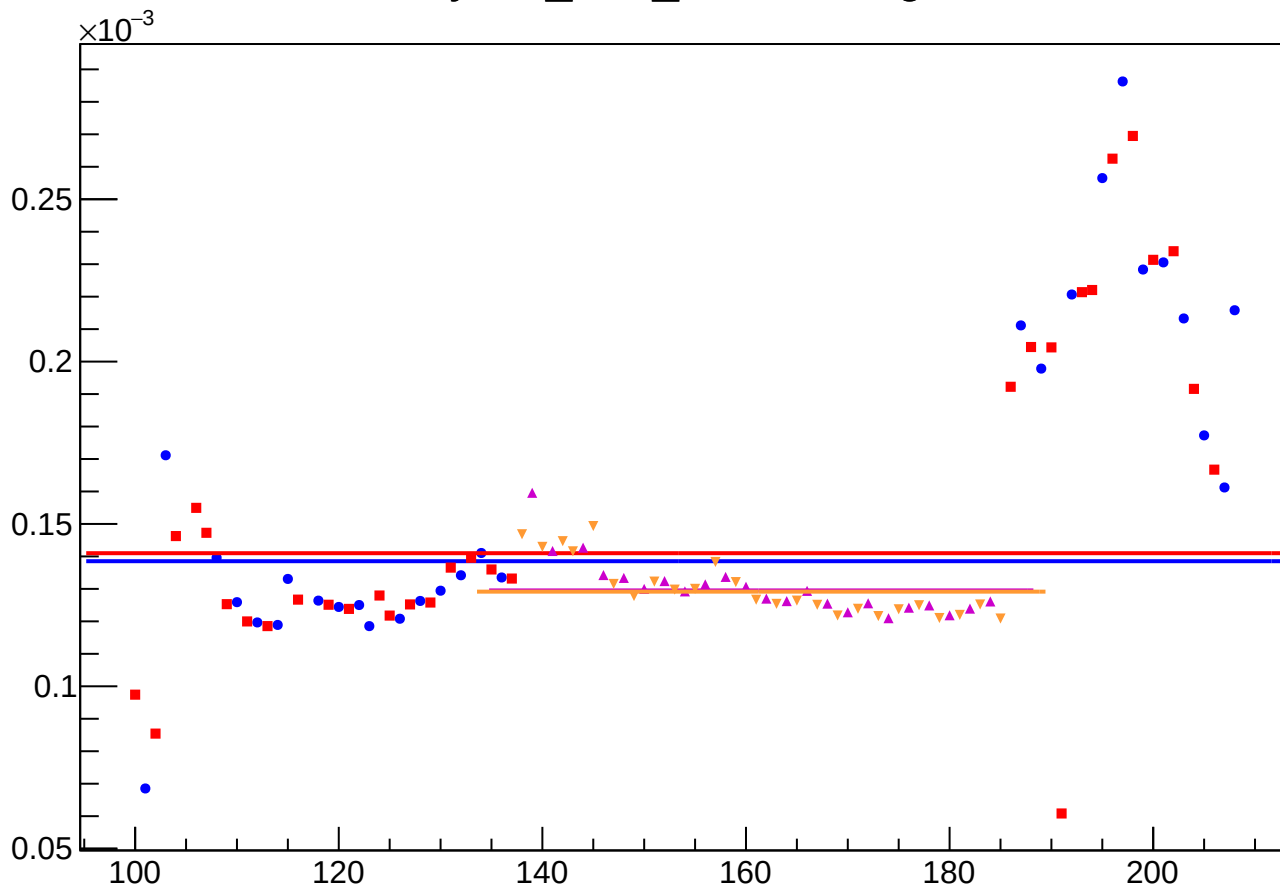
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 129031539045.2/52

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 325392689946.1

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 196295376843.9/53

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3359350.7/27

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3074281.1/30

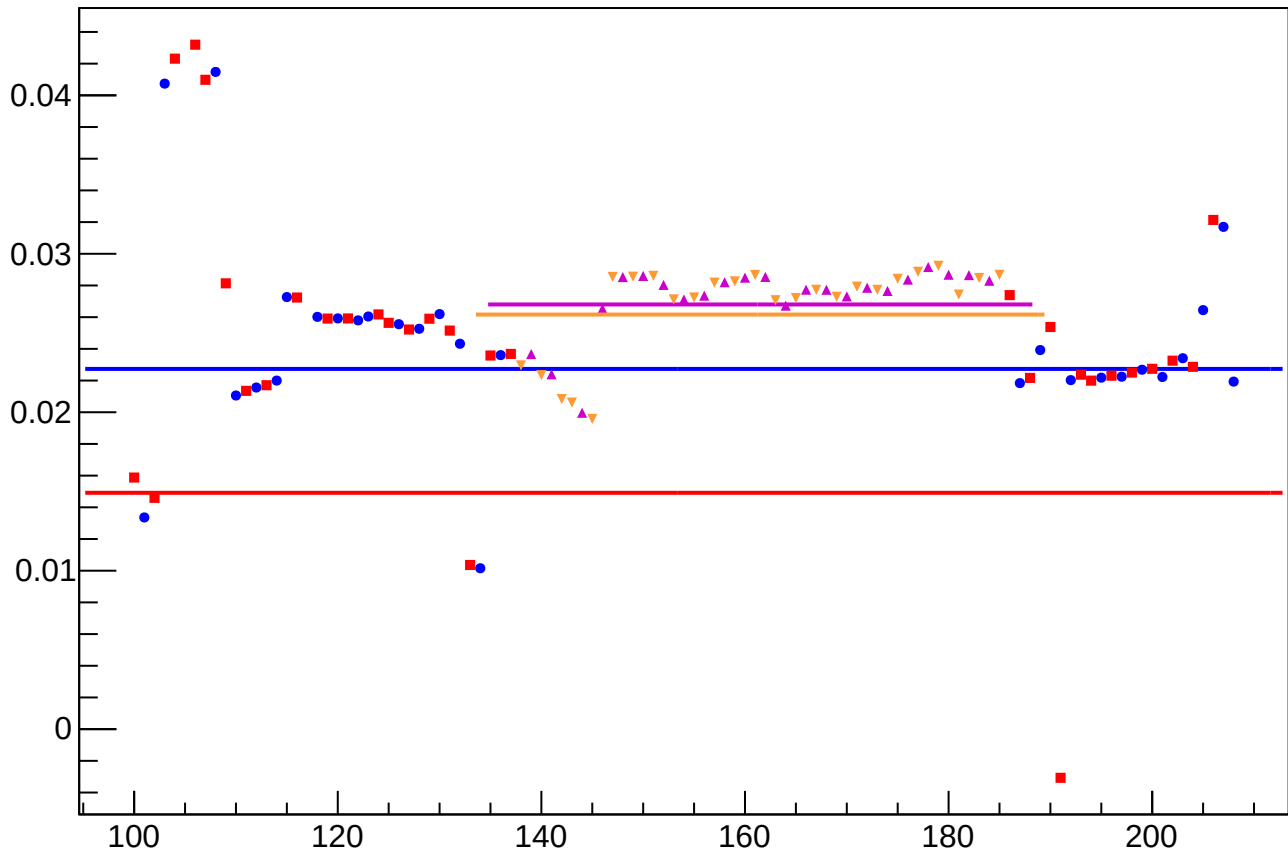
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3560284.4/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 6856820.8/106

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3293384.7/53

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4402556883.5/27

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 31542624087.9/30

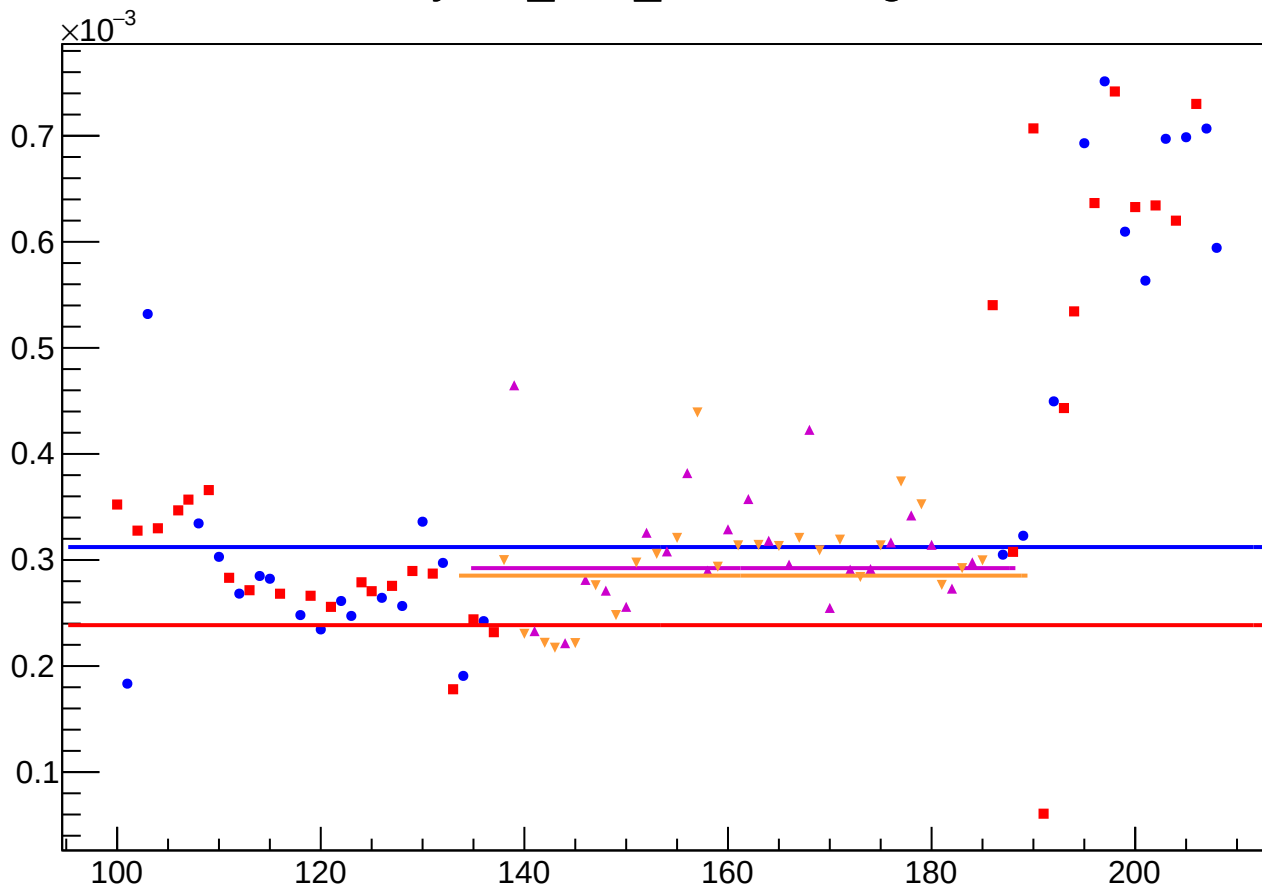
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7309804450.7/52

All: 0.023+/-0.000 χ^2/NDF : 54808975794.8/100

- 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: 4725607.8/27

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

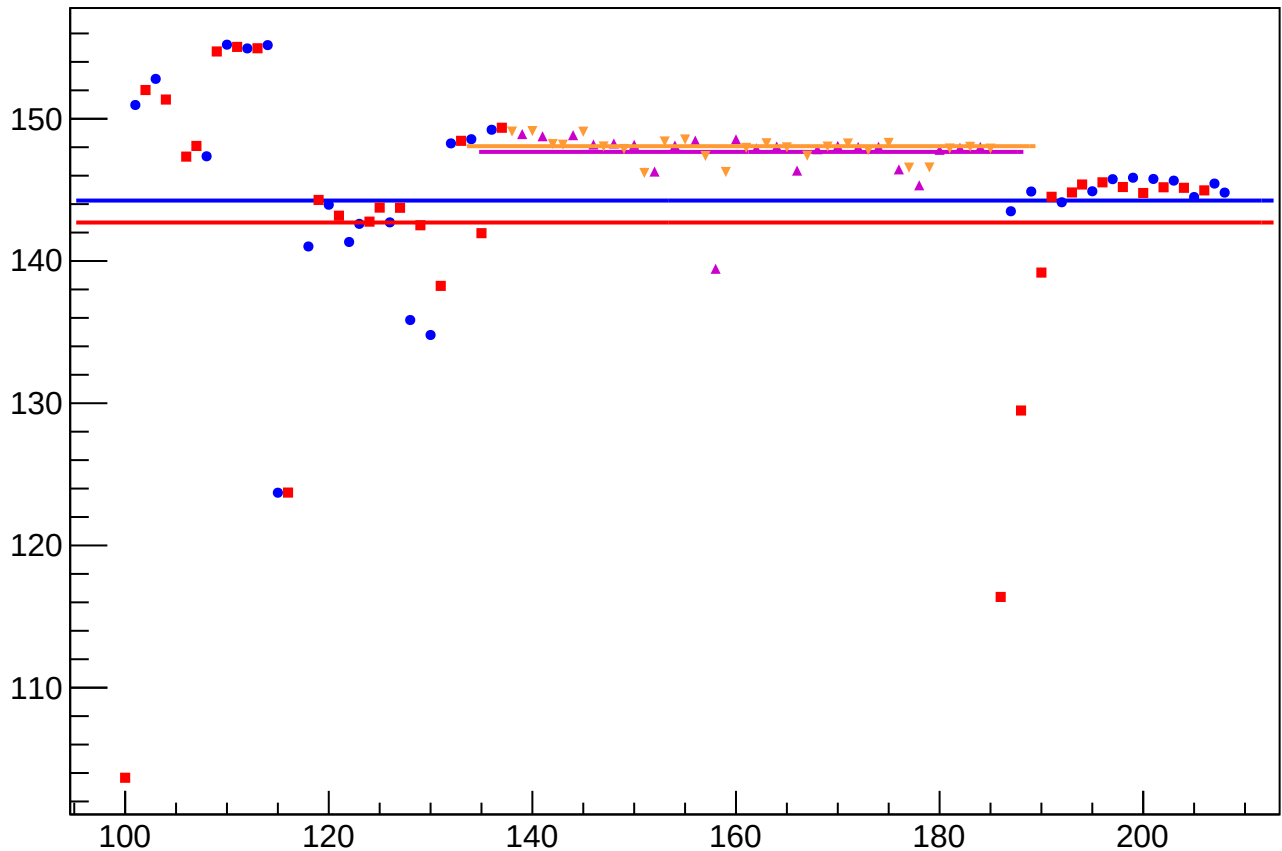
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 5643930.3/52

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 16245179.3/106

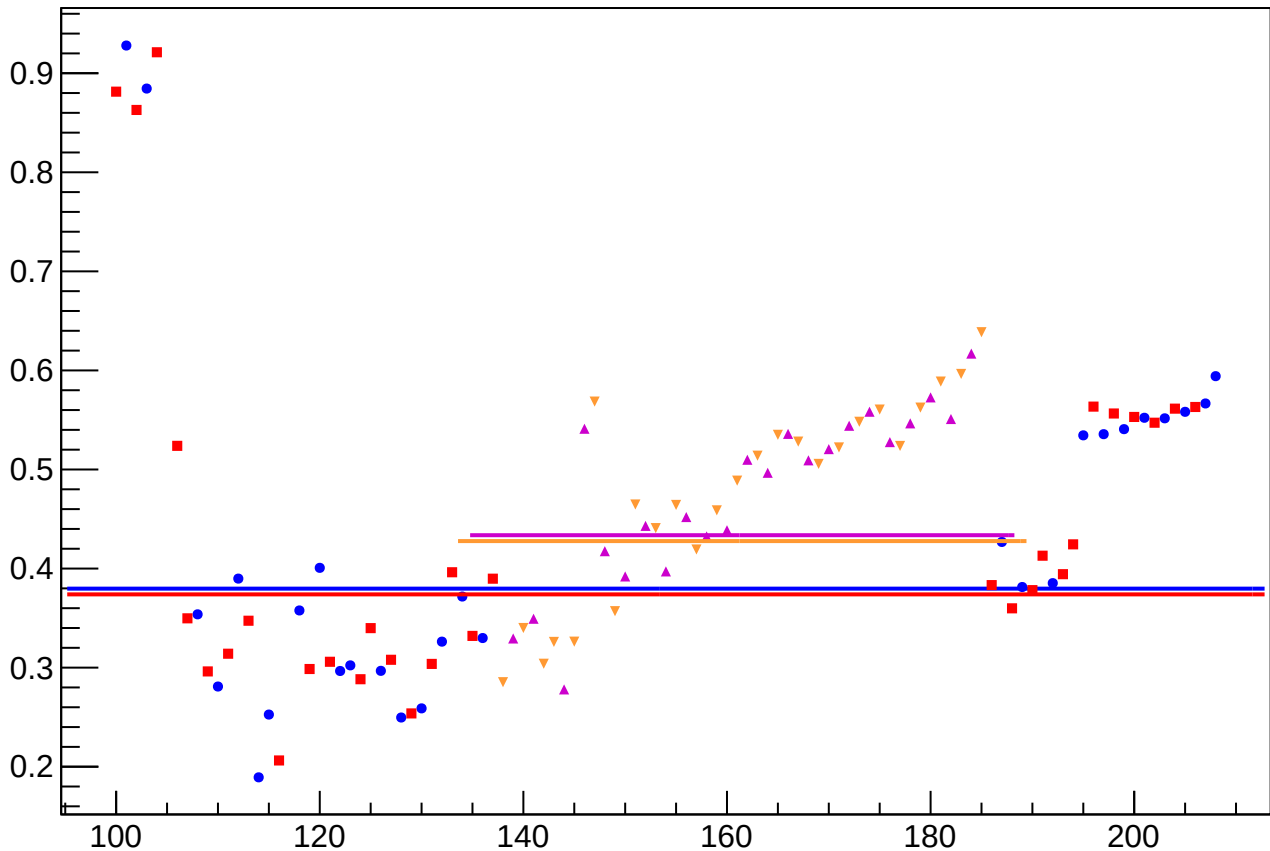
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 10342392.3/53

yield_bcm_an_ds_mean vs Slug



Right In: 144.250+/-0.000	χ^2/NDF : 3489909513.7/27	+ sign 146.253+/-0.000	χ^2/NDF : 4201140990.4/52
Left Out: 148.073+/-0.000	χ^2/NDF : 65614067.4/24	All: 145.673+/-0.000	χ^2/NDF : 13175127343.
Right Out: 142.706+/-0.000	χ^2/NDF : 7407260585.5/30	- sign 145.100+/-0.000	χ^2/NDF : 8855611211.3/53
Left In: 147.670+/-0.000	χ^2/NDF : 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.380 $\pm$ 0.000 χ^2 /NDF: 2884943.9/27

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

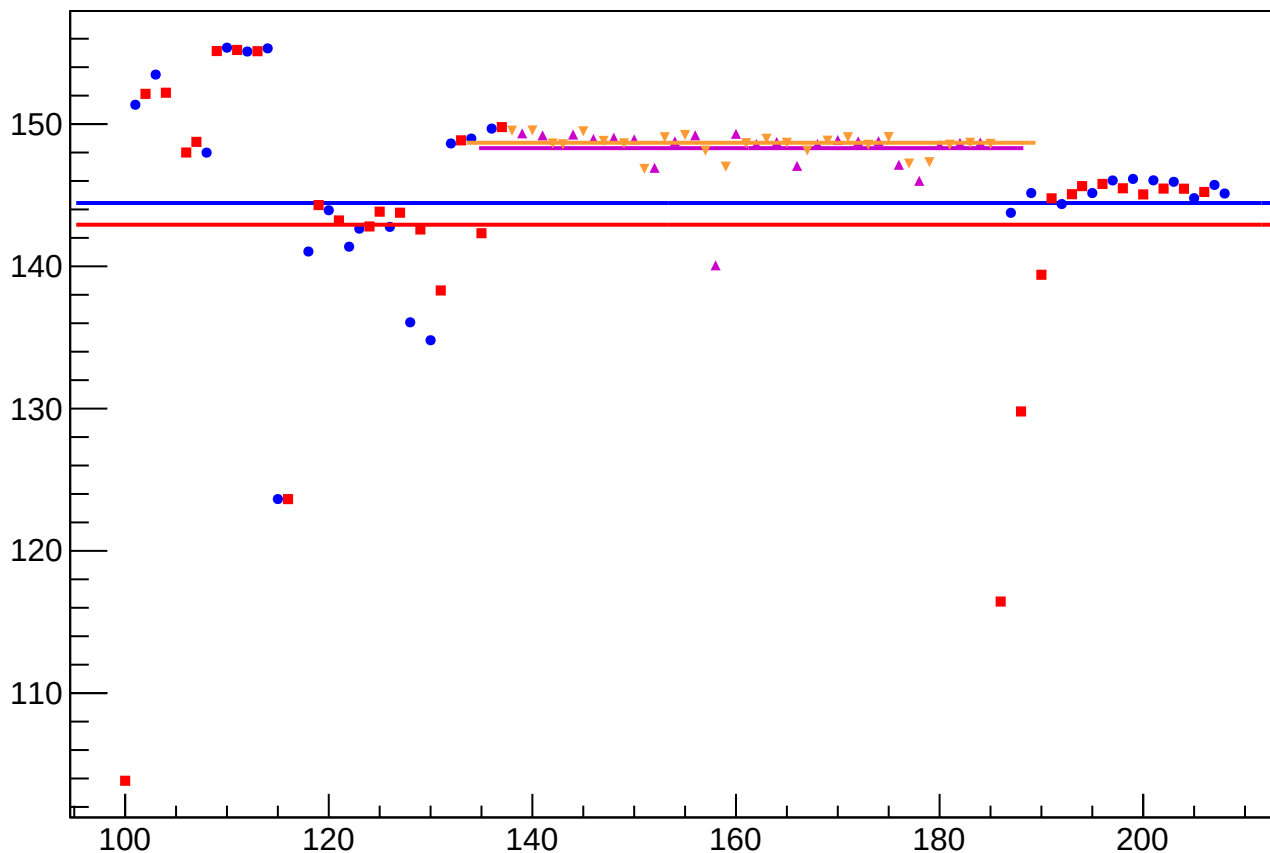
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.405 $\pm$ 0.000 χ^2 /NDF: 4985361.4/52

All: 0.404 $\pm$ 0.000 χ^2 /NDF: 9338484.6/106

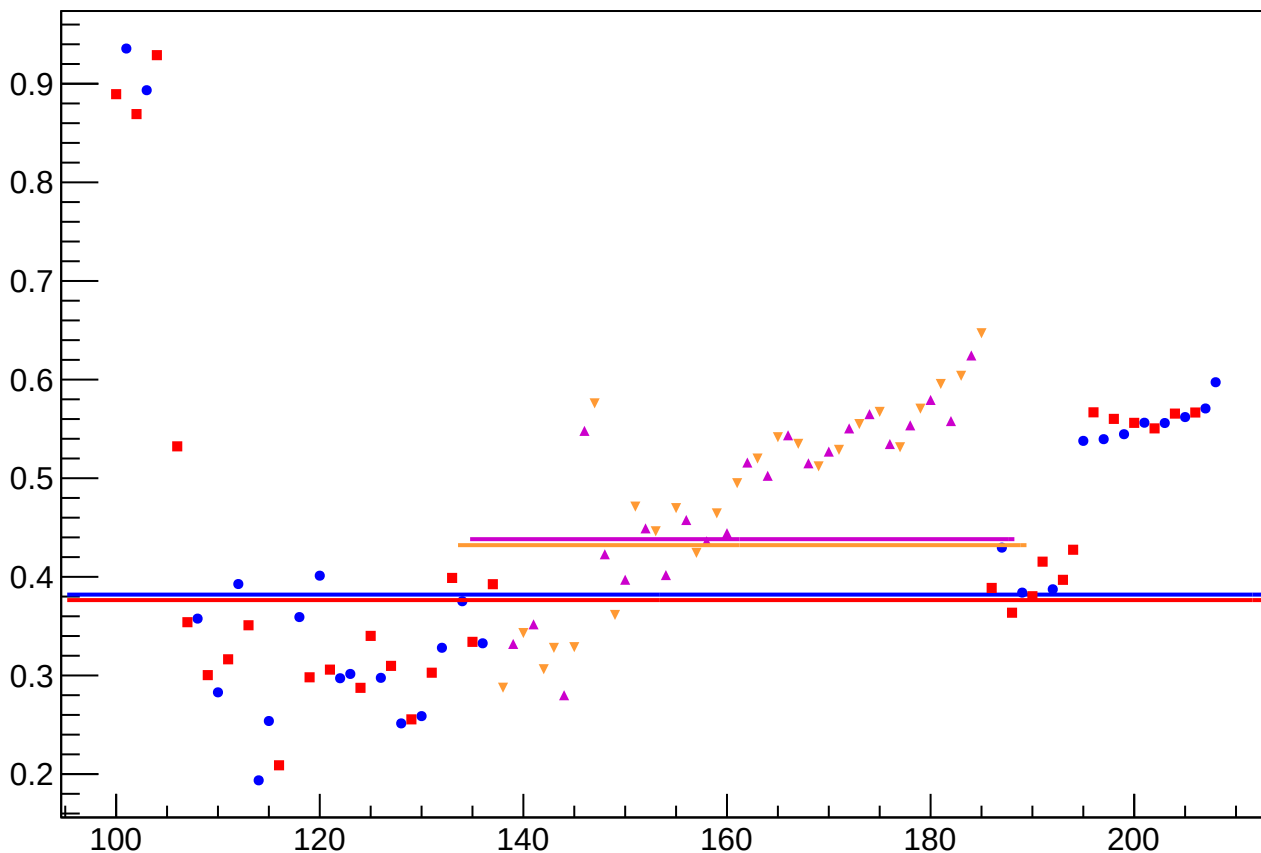
- sign 0.403 $\pm$ 0.000 χ^2 /NDF: 4352310.9/53

yield_bcm_an_ds3_mean vs Slug



Right In: 144.451+/-0.000	χ^2/NDF : 3539262132.4/27	+ sign 146.660+/-0.000	χ^2/NDF : 4371083702.3/52
Left Out: 148.686+/-0.000	χ^2/NDF : 52218185.1/24	All: 146.081+/-0.000	χ^2/NDF : 13450083294.
Right Out: 142.926+/-0.000	χ^2/NDF : 7355680999.8/30	- sign 145.510+/-0.000	χ^2/NDF : 8963181341.6/53
Left In: 148.307+/-0.000	χ^2/NDF : 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 2892929.0/27

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

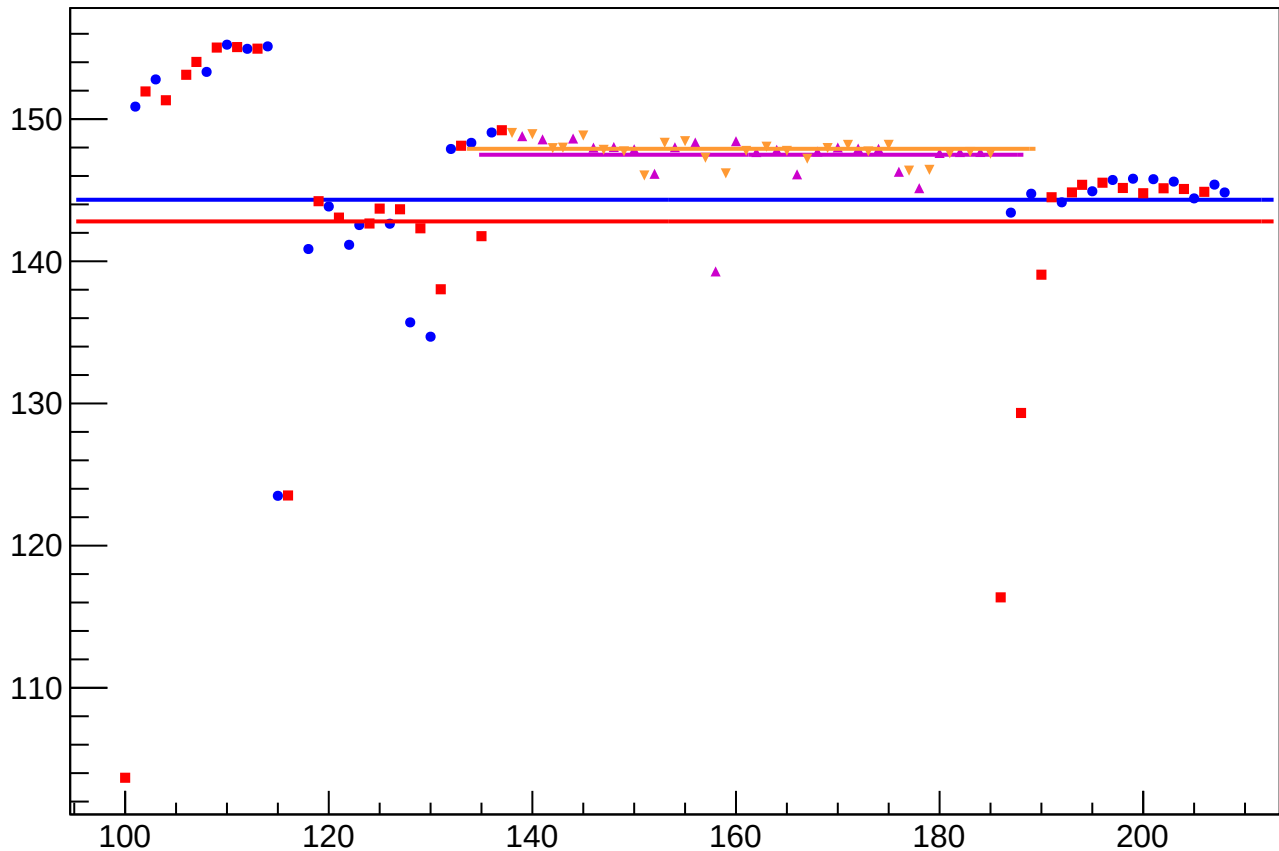
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.408 $\pm$ 0.000 χ^2 /NDF: 5040456.8/52

All: 0.407 $\pm$ 0.000 χ^2 /NDF: 9439087.7/106

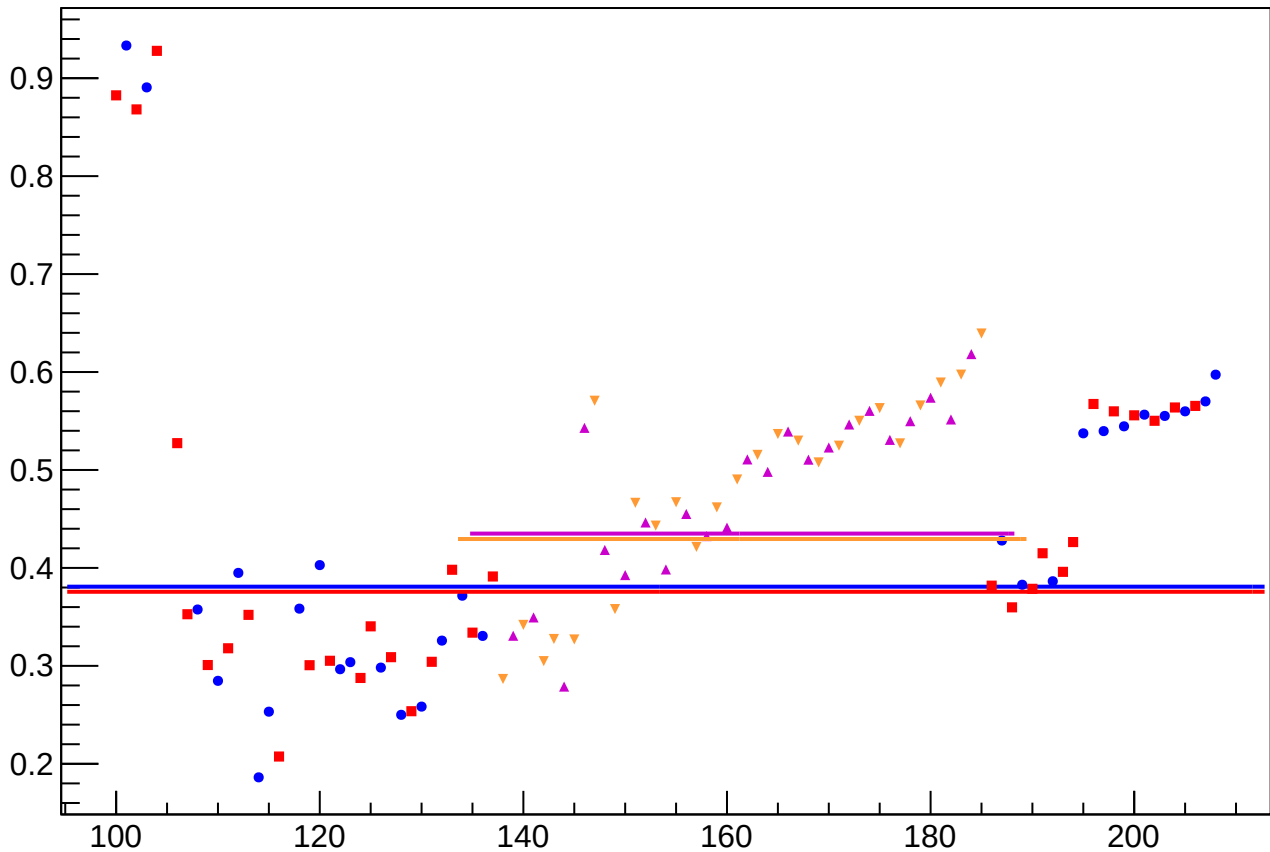
- sign 0.406 $\pm$ 0.000 χ^2 /NDF: 4397896.2/53

yield_bcm_an_us_mean vs Slug



Right In: 144.328 $\pm$ 0.000	χ^2 /NDF: 3696088295.9/27	+ sign 146.204 $\pm$ 0.000	χ^2 /NDF: 4323420104.3/52
Left Out: 147.911 $\pm$ 0.000	χ^2 /NDF: 64412407.9/24	All: 145.633 $\pm$ 0.000	χ^2 /NDF: 13542360689.
Right Out: 142.804 $\pm$ 0.000	χ^2 /NDF: 7784178641.4/30	- sign 145.068 $\pm$ 0.000	χ^2 /NDF: 9104938390.8/53
Left In: 147.493 $\pm$ 0.000	χ^2 /NDF: 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.381 $\pm$ 0.000 χ^2 /NDF: 2918944.6/27

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

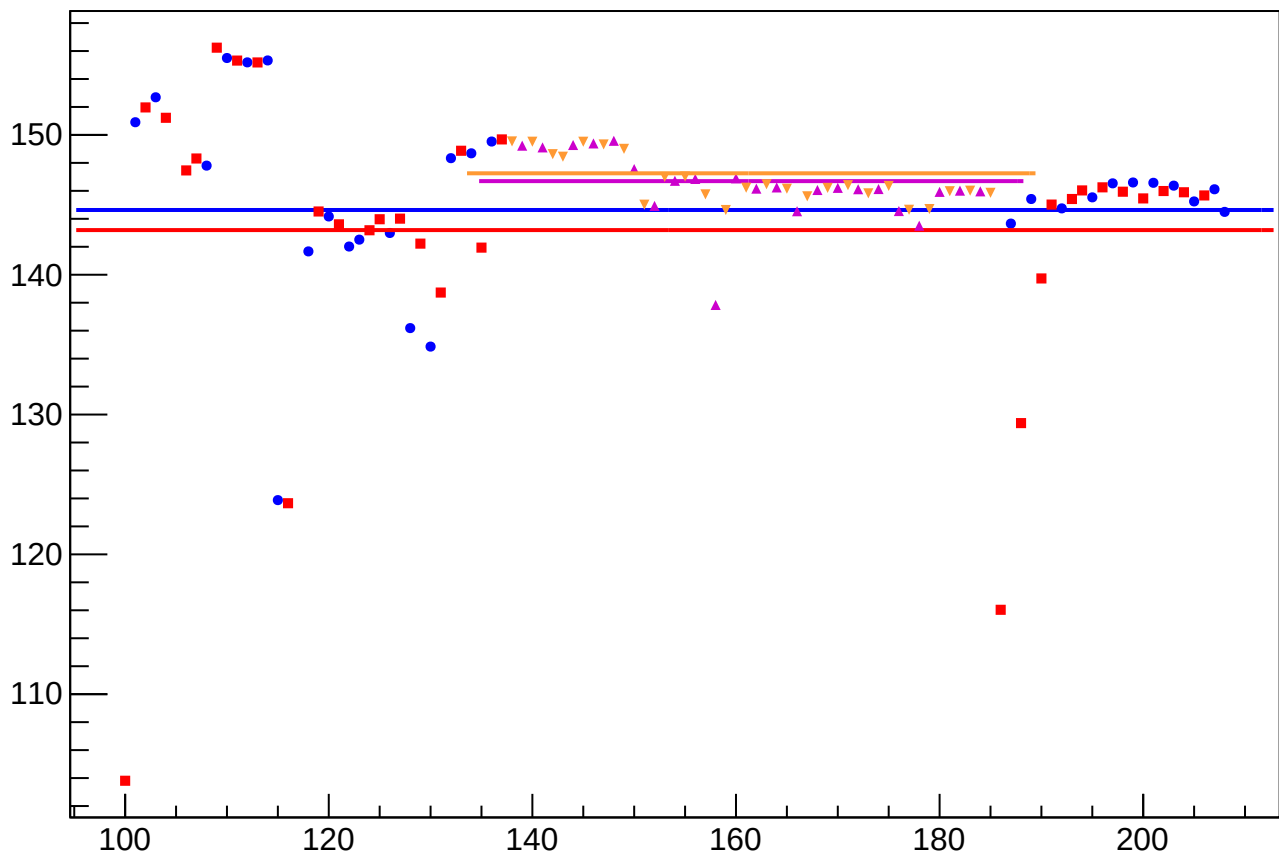
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1502712.5/22

+ sign 0.406 $\pm$ 0.000 χ^2 /NDF: 5022320.7/52

All: 0.405 $\pm$ 0.000 χ^2 /NDF: 9379430.8/106

- sign 0.404 $\pm$ 0.000 χ^2 /NDF: 4356403.6/53

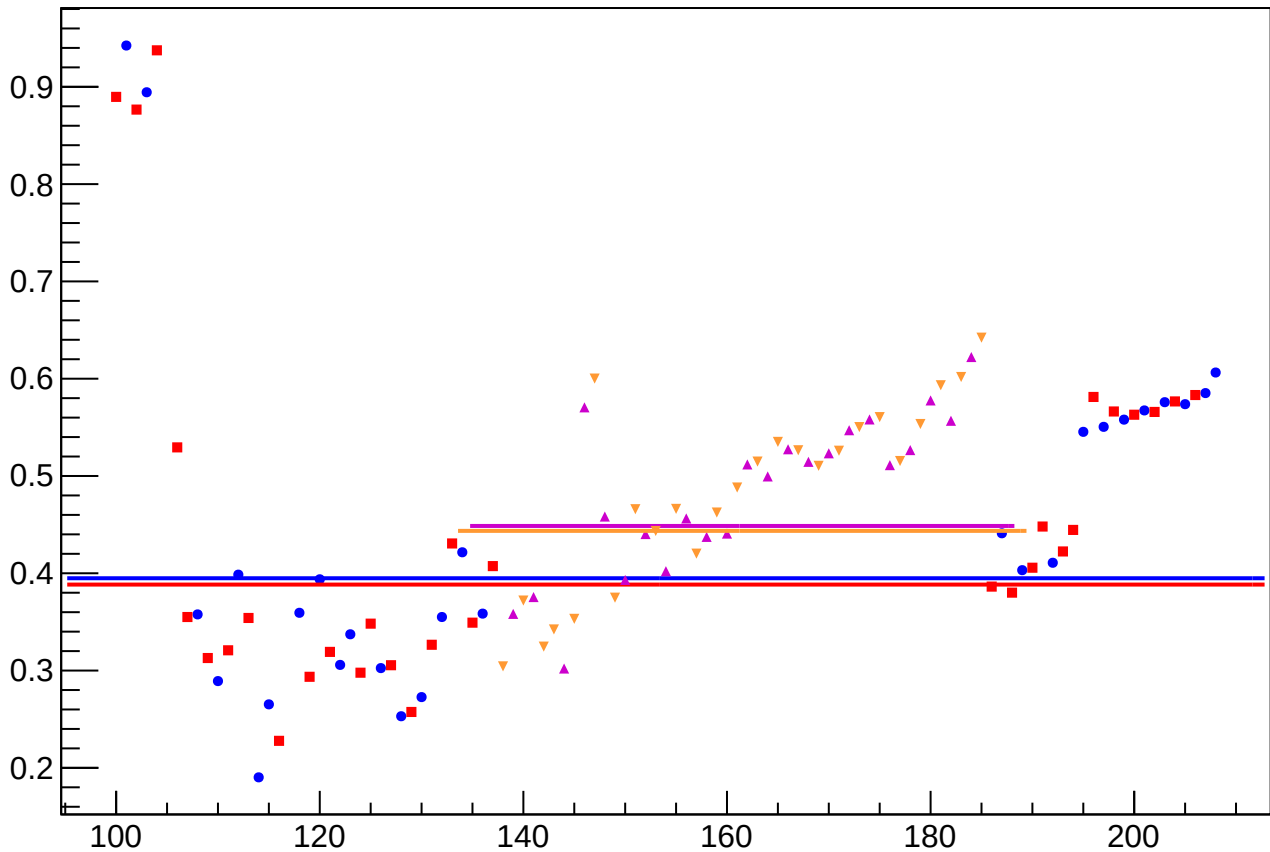
yield_bcm_dg_us_mean vs Slug



Right In: 144.631 $\pm$ 0.000 χ^2 /NDF: 3222061488.8/27
 Left Out: 147.255 $\pm$ 0.000 χ^2 /NDF: 262138049.8/24
 Right Out: 143.194 $\pm$ 0.000 χ^2 /NDF: 7121492346.4/30
 Left In: 146.695 $\pm$ 0.000 χ^2 /NDF: 557896803.1/22

+ sign 146.016 $\pm$ 0.000 χ^2 /NDF: 3767229225.0/52
 All: 145.454 $\pm$ 0.000 χ^2 /NDF: 12063359005.
 - sign 144.900 $\pm$ 0.000 χ^2 /NDF: 8192522802.5/53

yield_bcm_dg_us_rms vs Slug



Right In: 0.395 ± 0.000 χ^2/NDF : 2837638.1/27

Left Out: 0.444 ± 0.000 χ^2/NDF : 1483434.7/24

Right Out: 0.388 ± 0.000 χ^2/NDF : 2480868.3/30

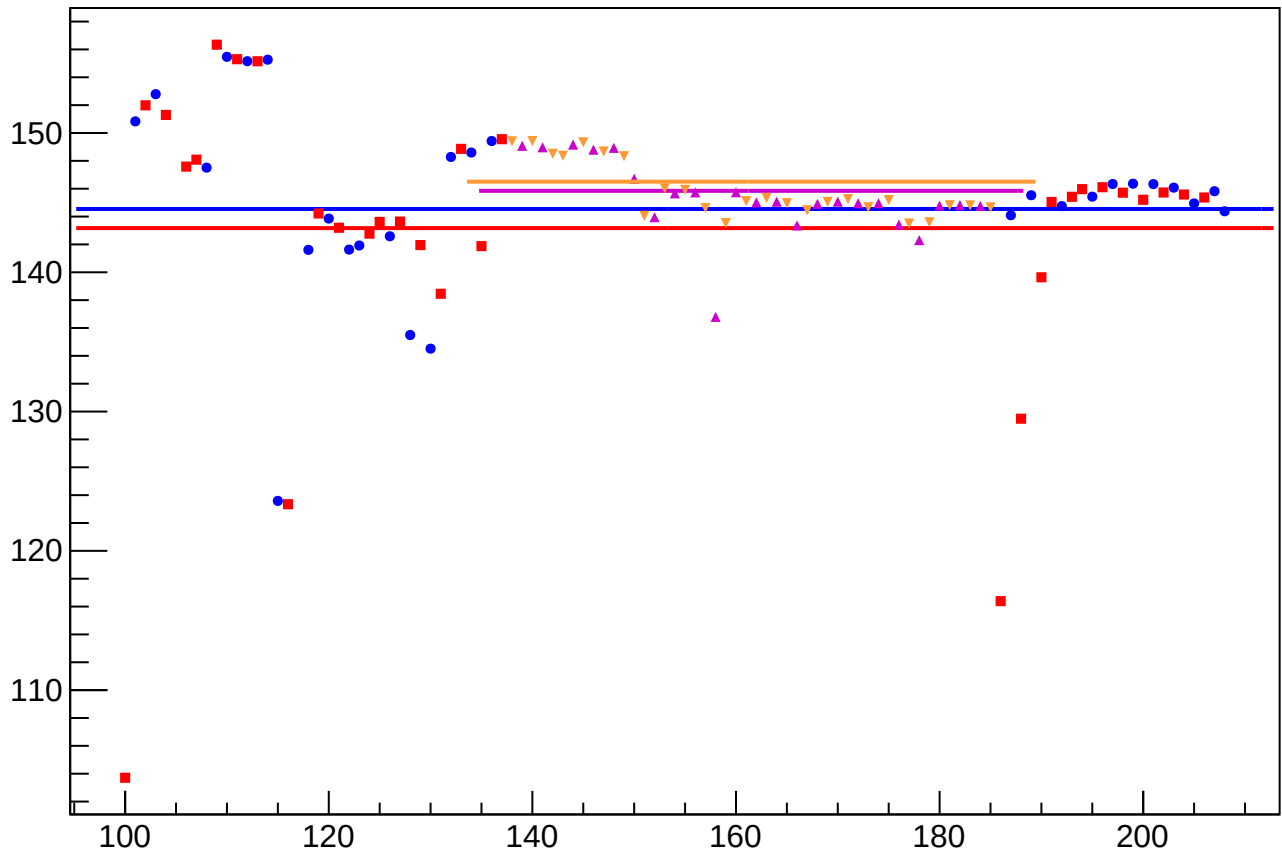
Left In: 0.449 ± 0.000 χ^2/NDF : 1132620.8/22

+ sign 0.421 ± 0.000 χ^2/NDF : 4516075.8/52

All: 0.419 ± 0.000 χ^2/NDF : 8434803.0/106

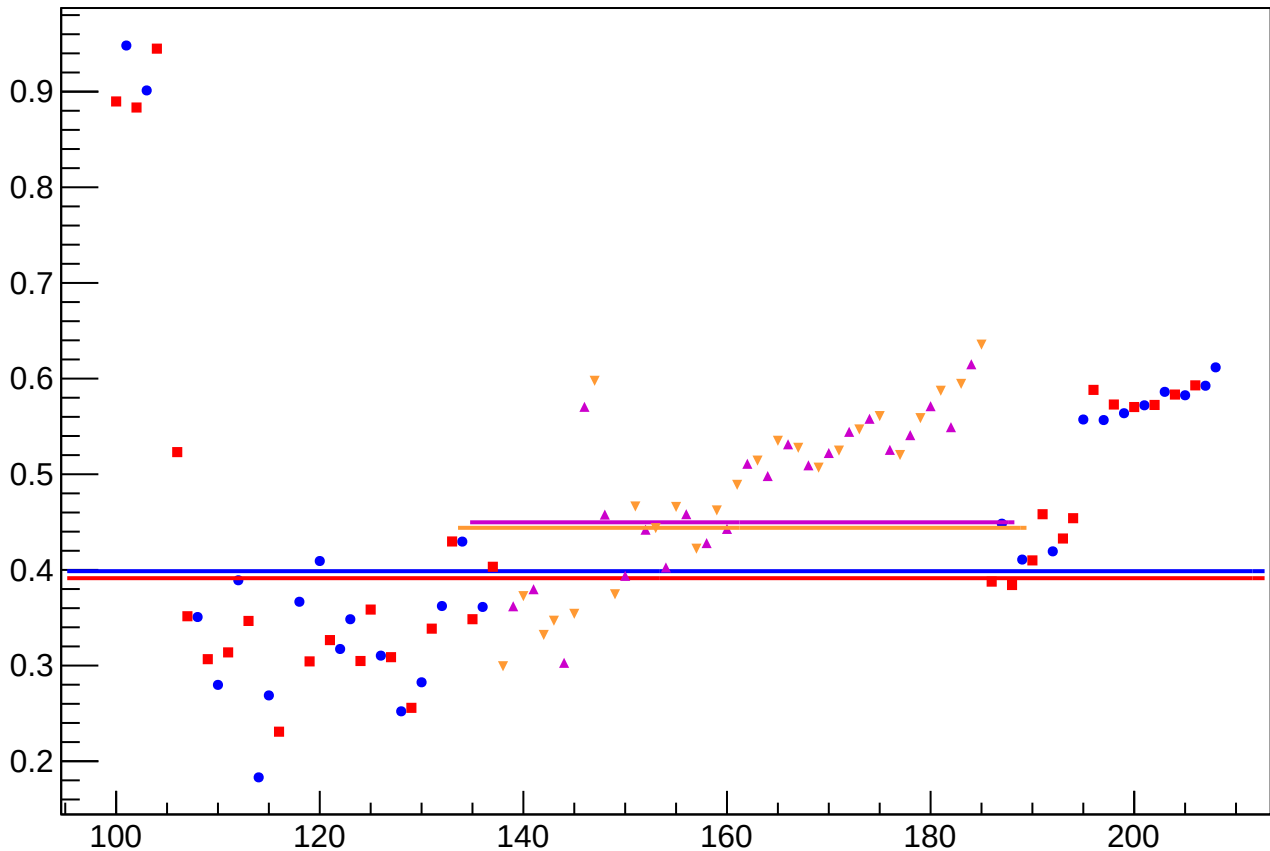
- sign 0.418 ± 0.000 χ^2/NDF : 3917369.9/53

yield_bcm_dg_ds_mean vs Slug



Right In: 144.545 $\pm$ 0.000	χ^2 /NDF: 3331935972.6/27	+ sign 145.590 $\pm$ 0.000	χ^2 /NDF: 3889503510.7/52
Left Out: 146.505 $\pm$ 0.000	χ^2 /NDF: 401688176.3/24	All: 145.033 $\pm$ 0.000	χ^2 /NDF: 12055941035.0
Right Out: 143.171 $\pm$ 0.000	χ^2 /NDF: 7075195614.5/30	- sign 144.484 $\pm$ 0.000	χ^2 /NDF: 8065985025.0/53
Left In: 145.847 $\pm$ 0.000	χ^2 /NDF: 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.399 ± 0.000 χ^2/NDF : 2884946.3/27

Left Out: 0.444 ± 0.000 χ^2/NDF : 1463293.5/24

Right Out: 0.391 ± 0.000 χ^2/NDF : 2511833.9/30

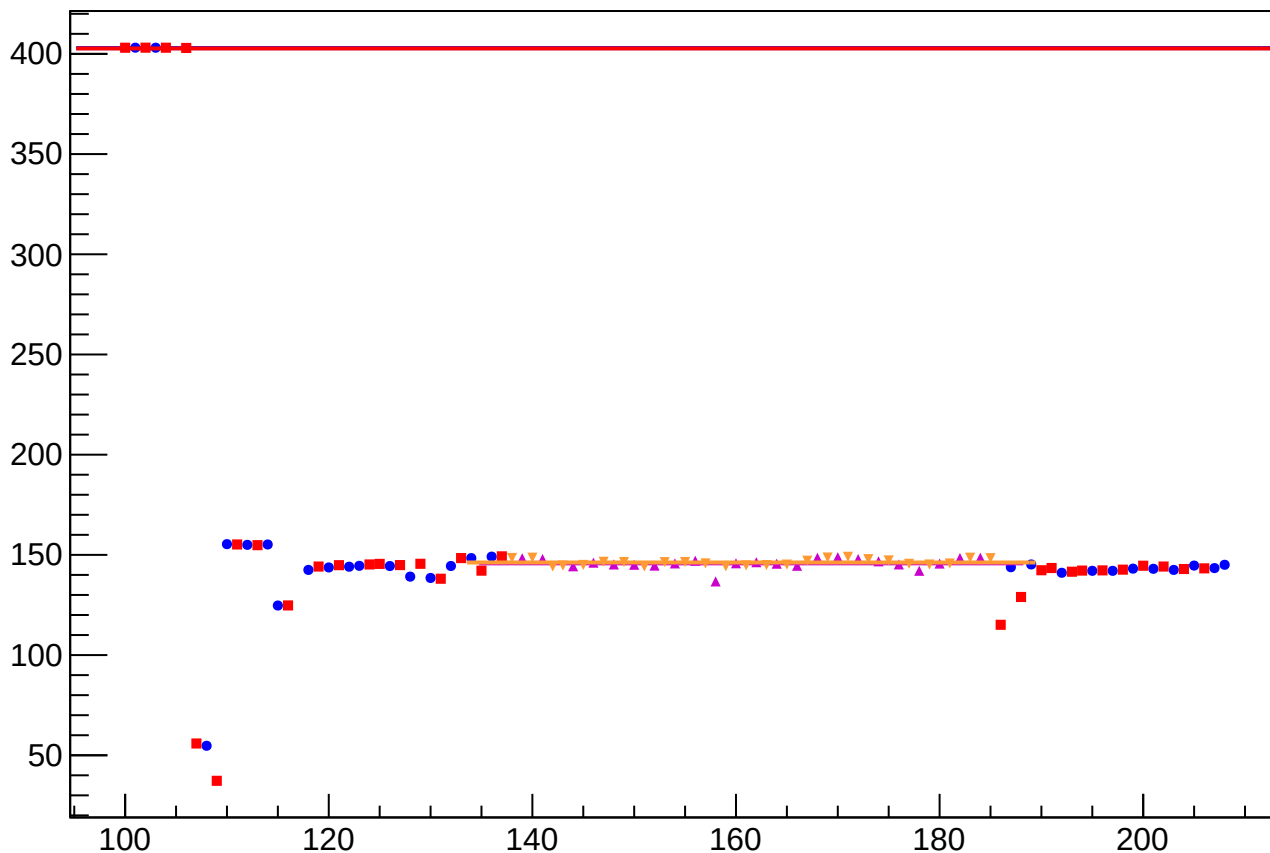
Left In: 0.450 ± 0.000 χ^2/NDF : 1105405.0/22

+ sign 0.423 ± 0.000 χ^2/NDF : 4514799.1/52

All: 0.421 ± 0.000 χ^2/NDF : 8415662.2/106

- sign 0.420 ± 0.000 χ^2/NDF : 3899532.2/53

yield_cav4bQ_mean vs Slug



Right In: 402.878+/-0.000 χ^2/NDF : 1740379170878.6/27

Left Out: 146.205+/-0.000 χ^2/NDF : 86658381.3/24

Right Out: 402.718+/-0.000 χ^2/NDF : 3853461916413.9/30

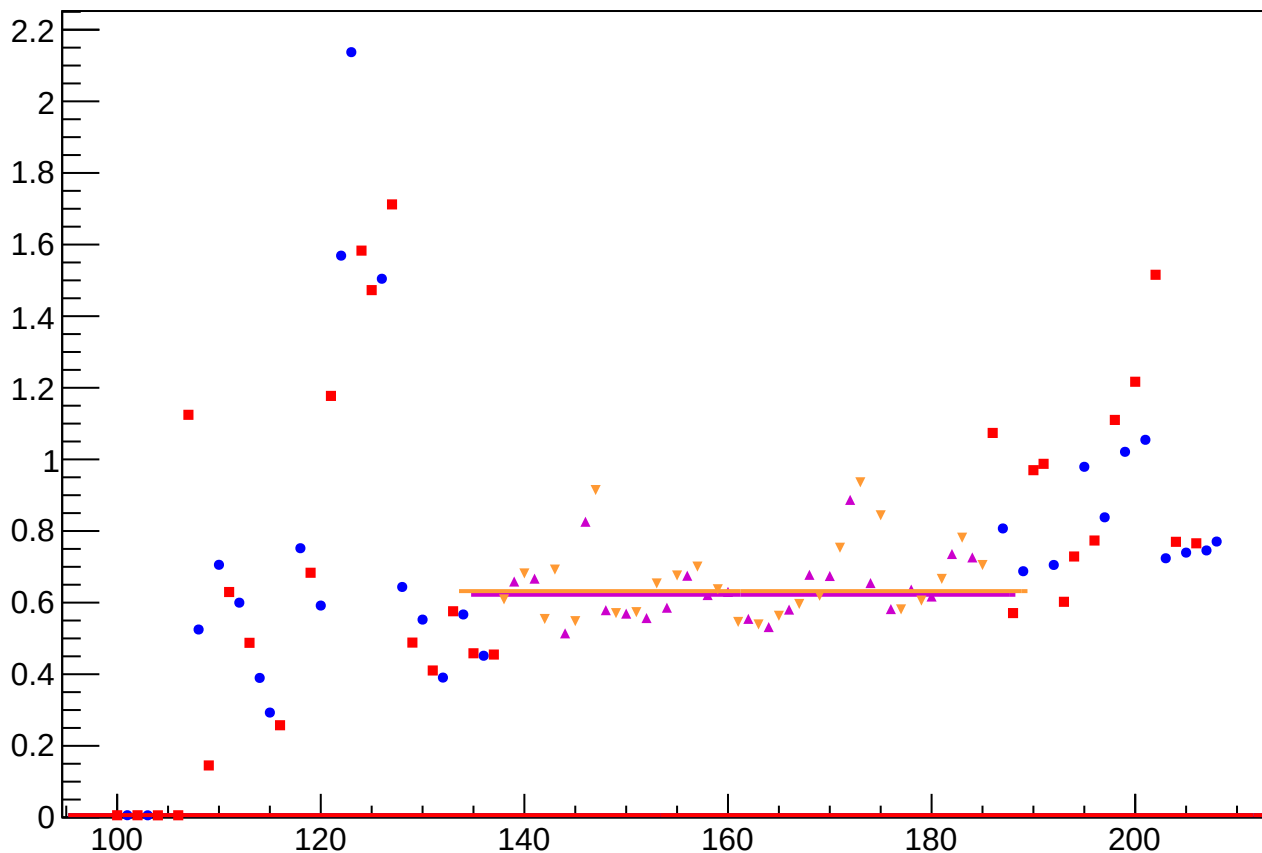
Left In: 145.773+/-0.000 χ^2/NDF : 207332354.9/22

+ sign 402.581+/-0.000 χ^2/NDF : 4110900982237.0

All: 402.517+/-0.000 χ^2/NDF : 10310580986

- sign 402.459+/-0.000 χ^2/NDF : 6199432979142.5

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 21238931.3/27

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

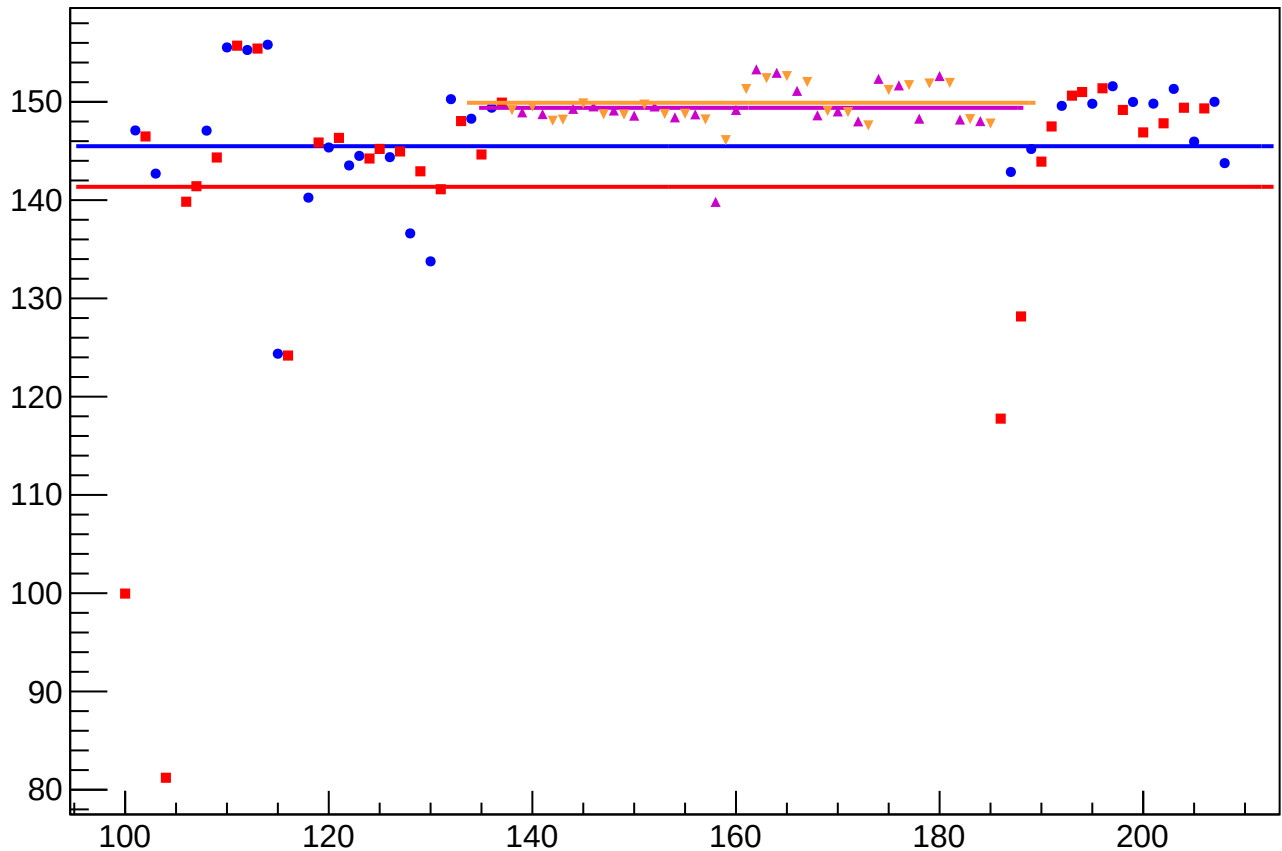
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 50010813.6/52

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 99669726.4/106

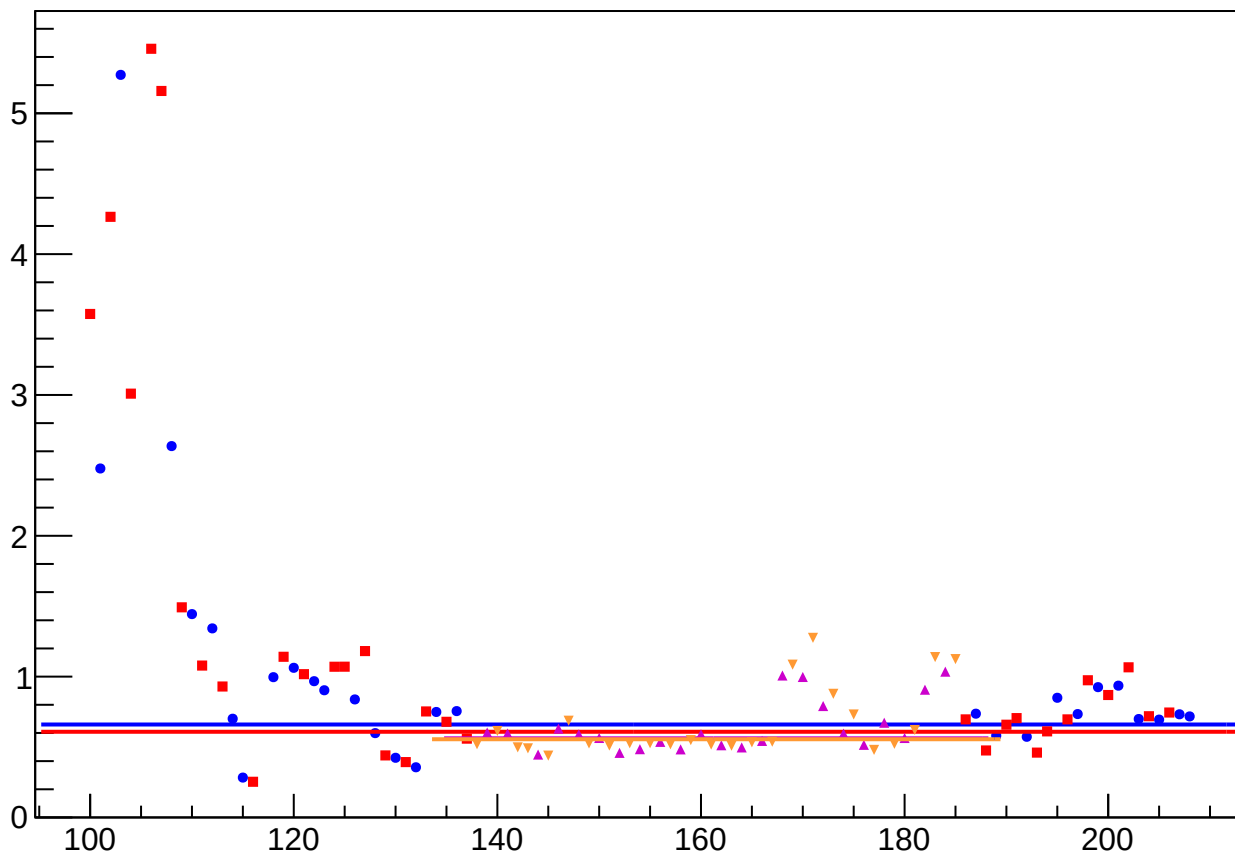
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 49658400.0/53

yield_cav4cQ_mean vs Slug



Right In: 145.487+/-0.000	χ^2/NDF : 1332532898.0/27	+ sign 148.557+/-0.000	χ^2/NDF : 1799398562.8/52
Left Out: 149.906+/-0.000	χ^2/NDF : 163261802.4/24	All: 147.536+/-0.000	χ^2/NDF : 6732350045.7
Right Out: 141.355+/-0.000	χ^2/NDF : 3247439380.4/30	- sign 146.524+/-0.000	χ^2/NDF : 4780809023.7/53
Left In: 149.391+/-0.000	χ^2/NDF : 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.660 ± 0.000 χ^2/NDF : 3969895.1/27

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.608 ± 0.000 χ^2/NDF : 5545697.2/30

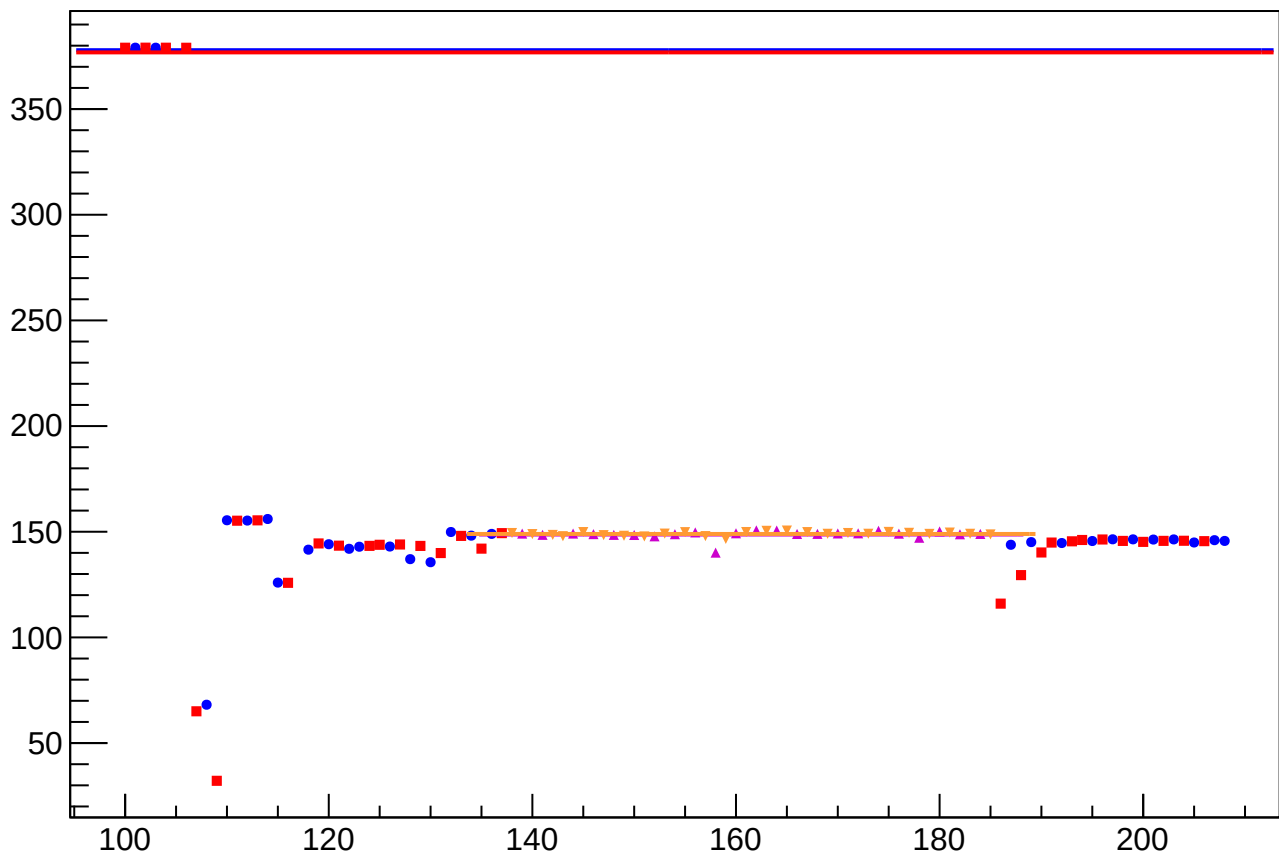
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.587 ± 0.000 χ^2/NDF : 6083550.9/52

All: 0.583 ± 0.000 χ^2/NDF : 13018974.4/106

- sign 0.579 ± 0.000 χ^2/NDF : 6929828.4/53

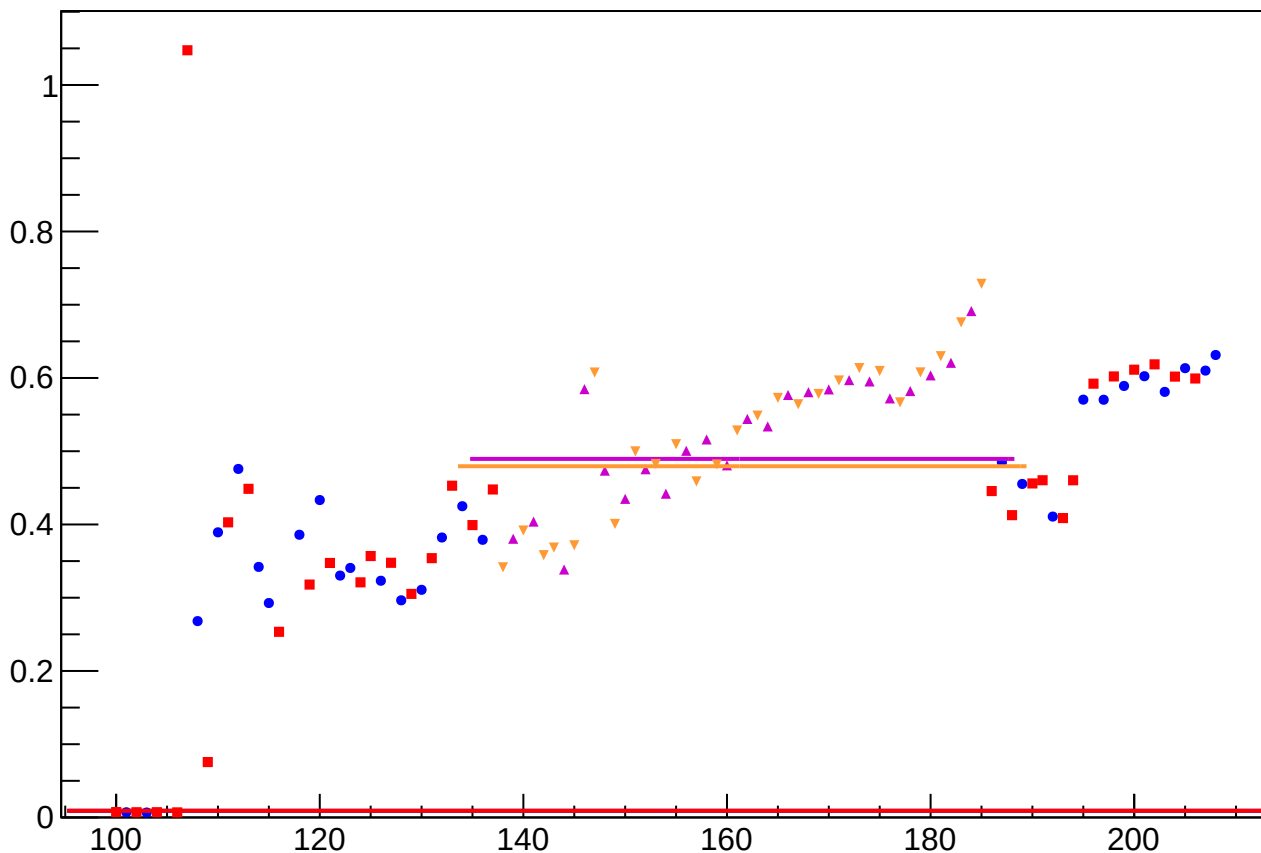
yield_cav4dQ_mean vs Slug



Right In: 377.858 $\pm$ 0.000 χ^2 /NDF: 3822611472451.8/27
 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 376.581 $\pm$ 0.000 χ^2 /NDF: 7723504779644.2
 All: 376.162 $\pm$ 0.000 χ^2 /NDF: 21253478909
 - 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: 24150545.5/27

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

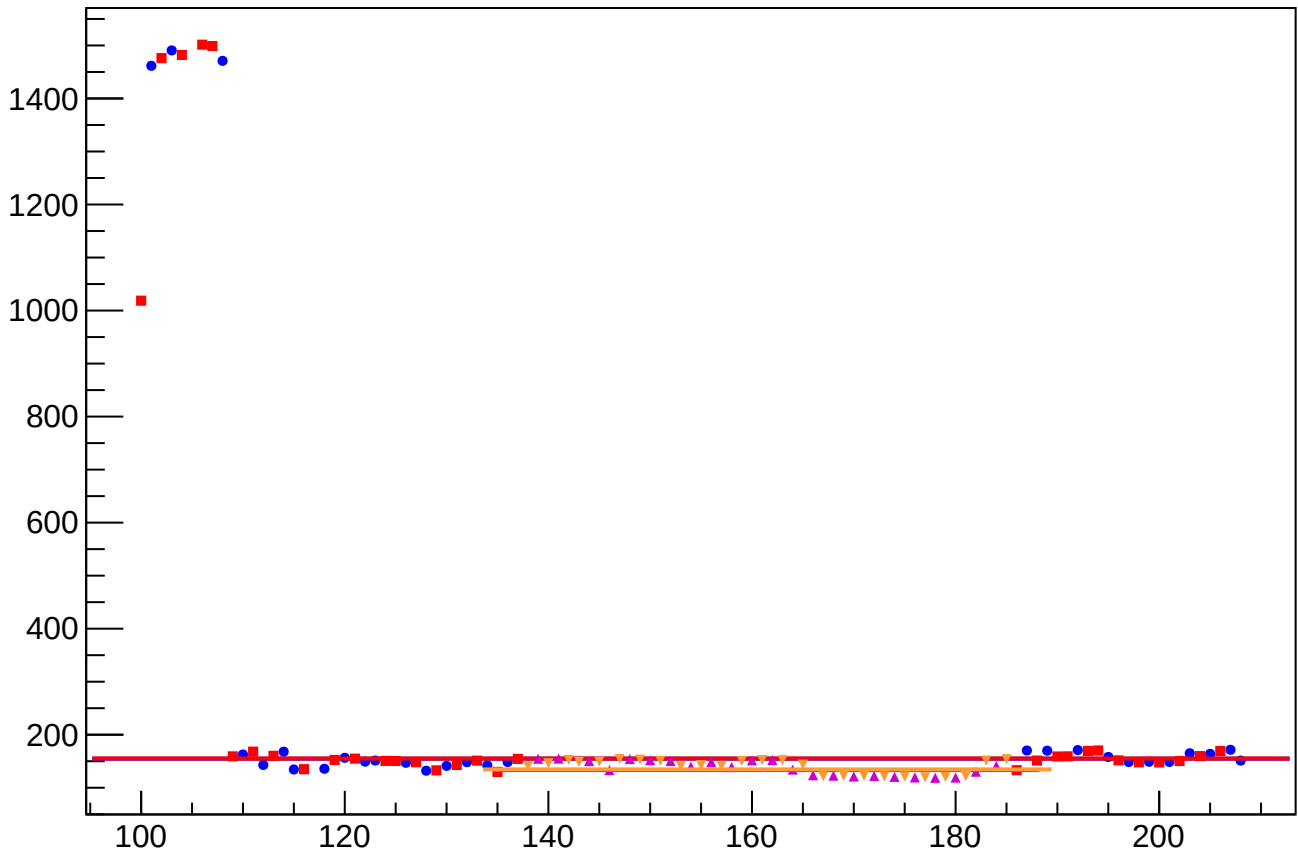
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 58612110.2/52

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 115887158.8/100

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 57272198.0/53

yield_bcm0l02_mean vs Slug



Right In: 154.833+/-0.000 χ^2/NDF : 25920413342.4/27

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 155.111+/-0.000 χ^2/NDF : 34996471228.6/30

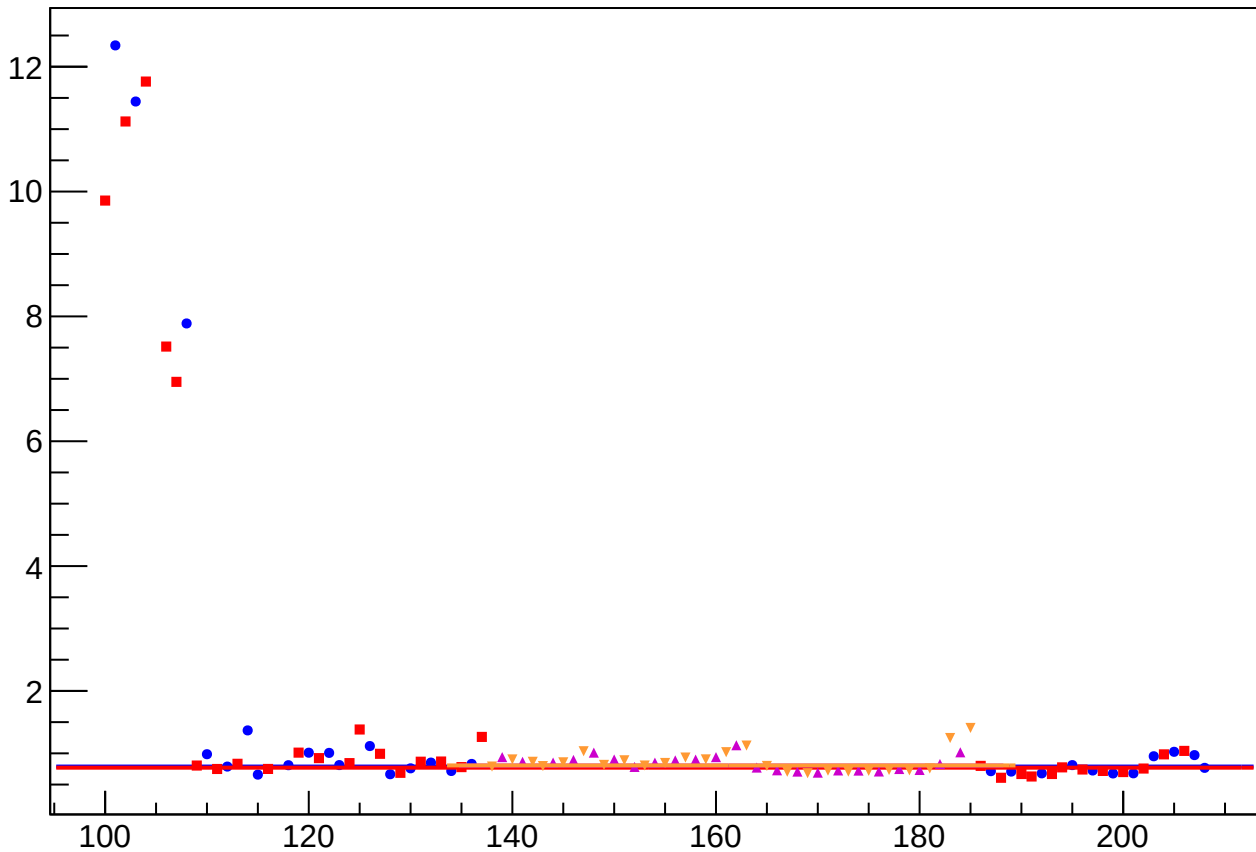
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 142.951+/-0.000 χ^2/NDF : 34329473065.3/52

All: 142.962+/-0.000 χ^2/NDF : 78513455349.6

- sign 142.972+/-0.000 χ^2/NDF : 44183973528.3/53

yield_bcm0l02_rms vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3011896.2/27

Left Out: 0.807 $\pm$ 0.000 χ^2 /NDF:704181.3/24

Right Out: 0.771 $\pm$ 0.000 χ^2 /NDF: 3299804.1/30

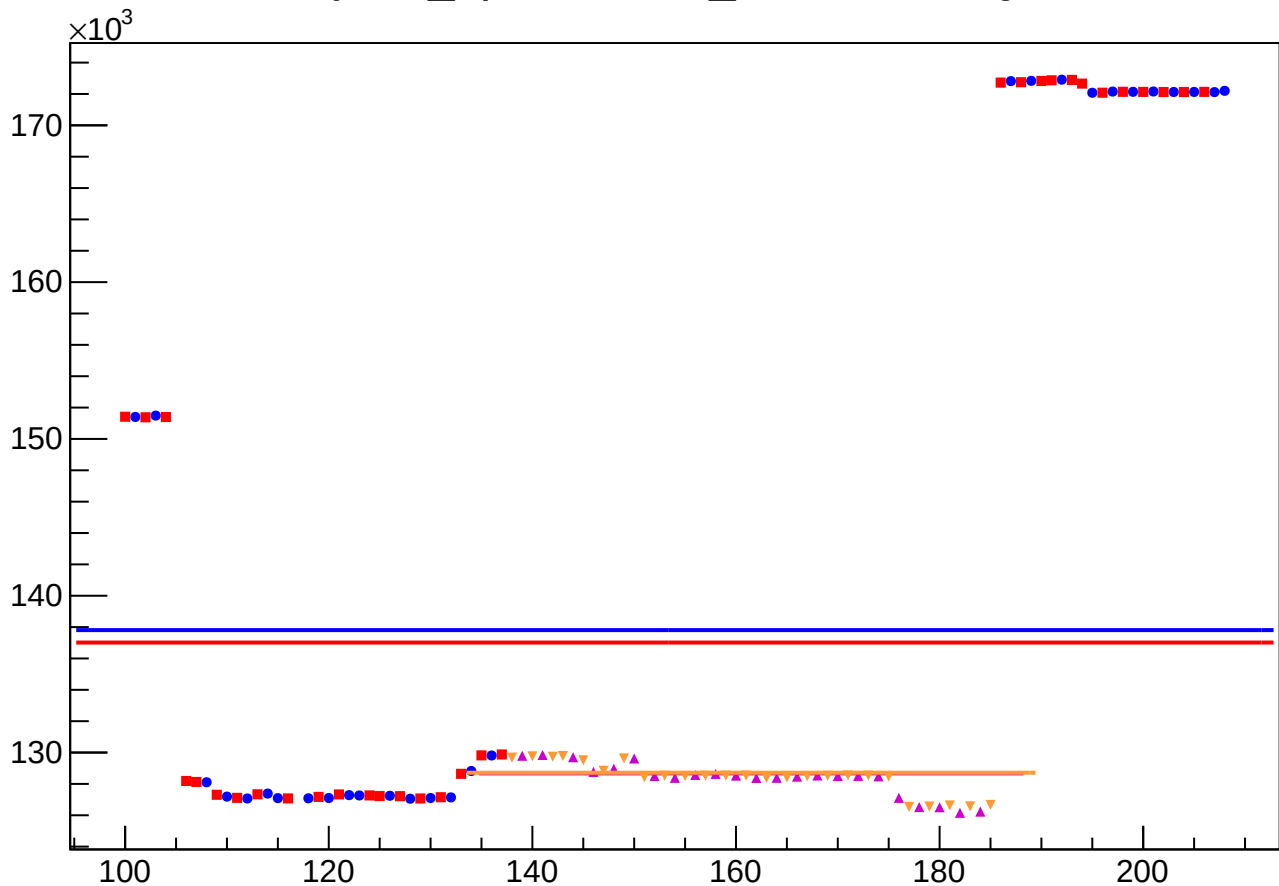
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:479689.4/22

+ sign 0.799 $\pm$ 0.000 χ^2 /NDF: 3722567.8/52

All: 0.794 $\pm$ 0.000 χ^2 /NDF: 7529420.8/106

- sign 0.789 $\pm$ 0.000 χ^2 /NDF: 3803019.1/53

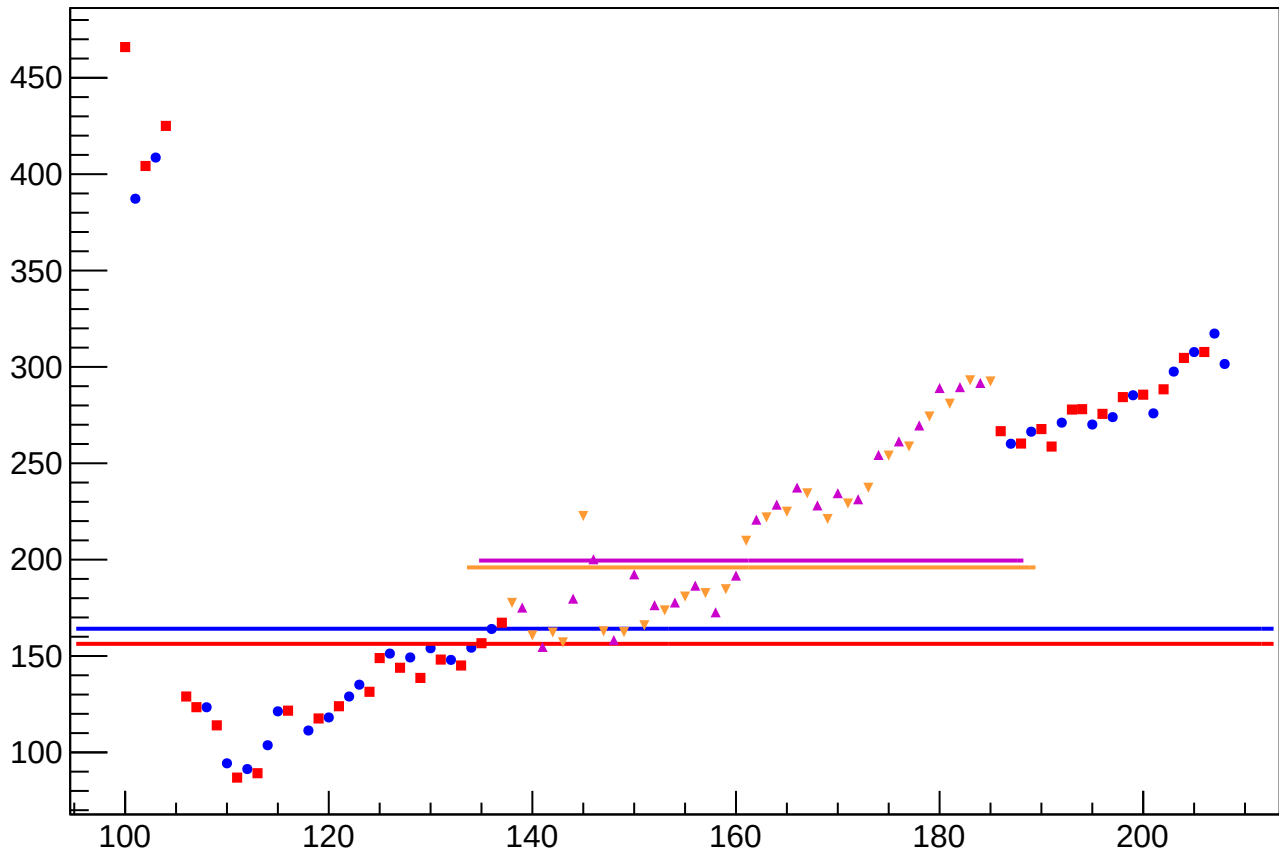
yield_bpm2i01WS_mean vs Slug



Right In: 137807.936 $\pm$ 0.048 χ^2 /NDF: 149408771981.1/27
 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 133110.514 $\pm$ 0.034 χ^2 /NDF: 168129064448
 All: 133149.929 $\pm$ 0.024 χ^2 /NDF: 347357077
 - sign 133188.275 $\pm$ 0.033 χ^2 /NDF: 179225286520

yield_bpm2i01WS_rms vs Slug



Right In: 164.153 ± 0.034 χ^2/NDF : 5083902.9/27

Left Out: 195.964 ± 0.033 χ^2/NDF : 1316091.7/24

Right Out: 156.315 ± 0.032 χ^2/NDF : 5494150.6/30

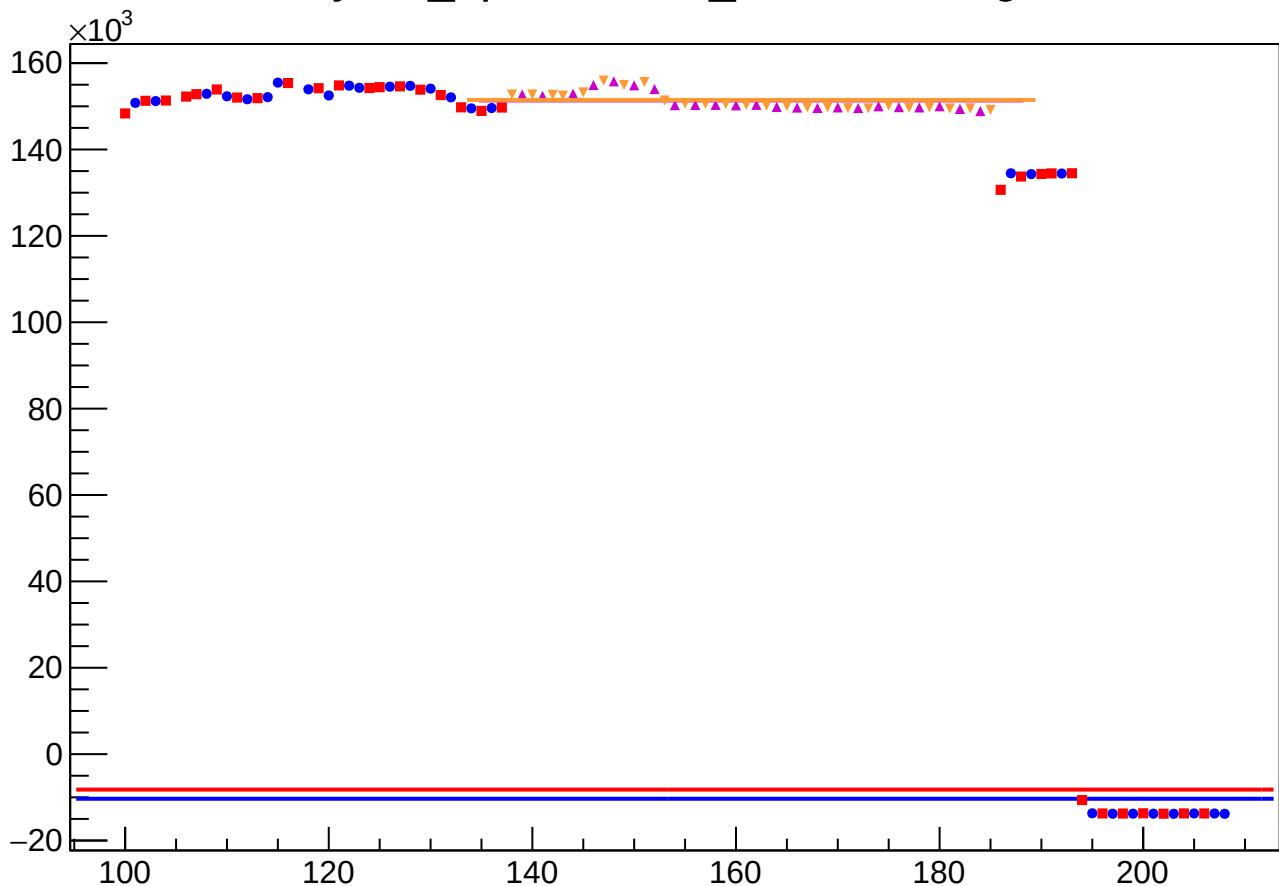
Left In: 199.531 ± 0.035 χ^2/NDF : 1175342.5/22

+ sign 180.584 ± 0.024 χ^2/NDF : 6849581.9/52

All: 178.329 ± 0.017 χ^2/NDF : 14384923.1/10

- sign 176.134 ± 0.023 χ^2/NDF : 7517483.8/53

yield_bpm0i07WS_mean vs Slug



Right In: -10331.531+/-0.010

χ^2/NDF : 5847746074549.3/27

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

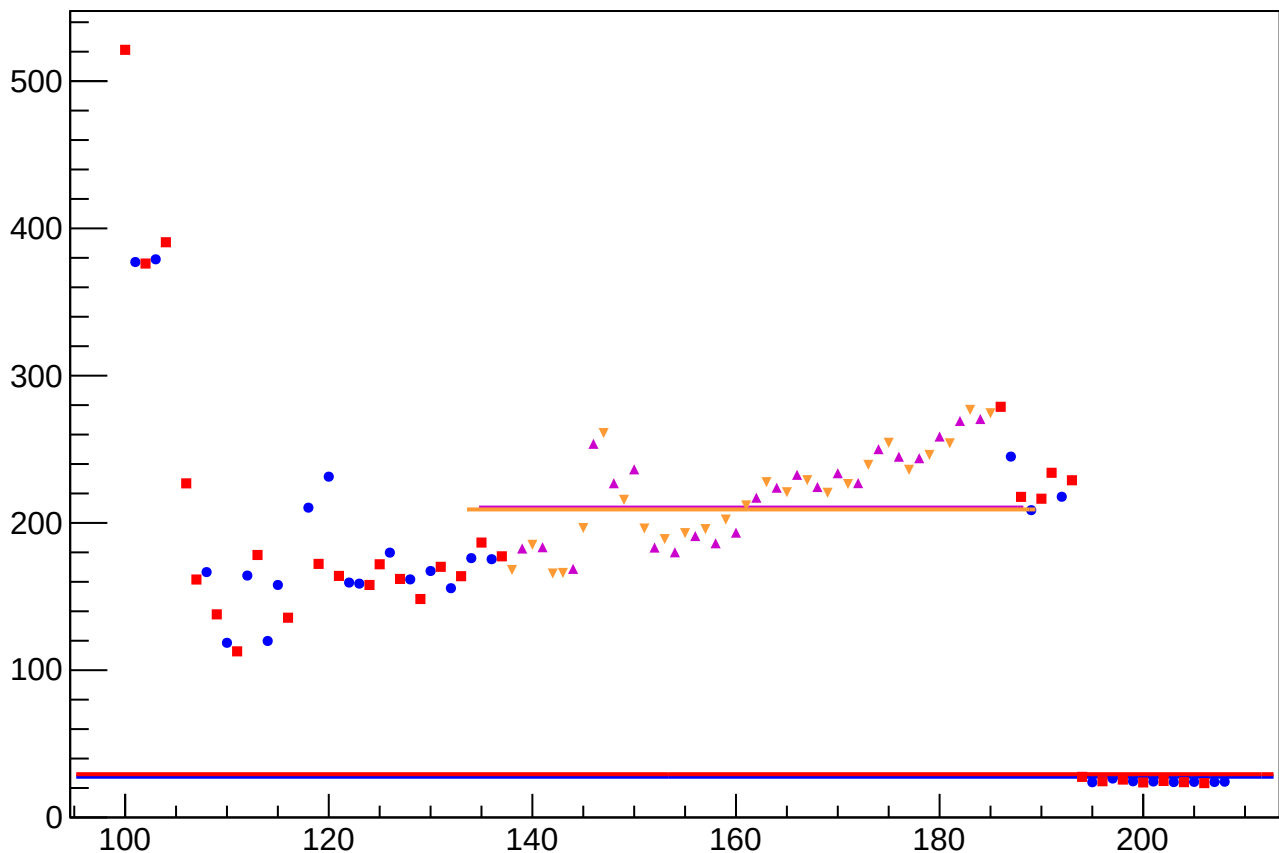
χ^2/NDF : 1426782789.9/22

+ sign -4326.639+/-0.010 χ^2/NDF : 1615024672839

All: -2994.413+/-0.007 χ^2/NDF : 3261895073

- sign -1336.990+/-0.011 χ^2/NDF : 16424852367139

yield_bpm0i07WS_rms vs Slug



Right In: 27.653+/-0.007 χ^2/NDF : 11388137.2/27

Left Out: 209.156+/-0.035 χ^2/NDF : 710094.9/24

Right Out: 29.373+/-0.008 χ^2/NDF : 13453965.8/30

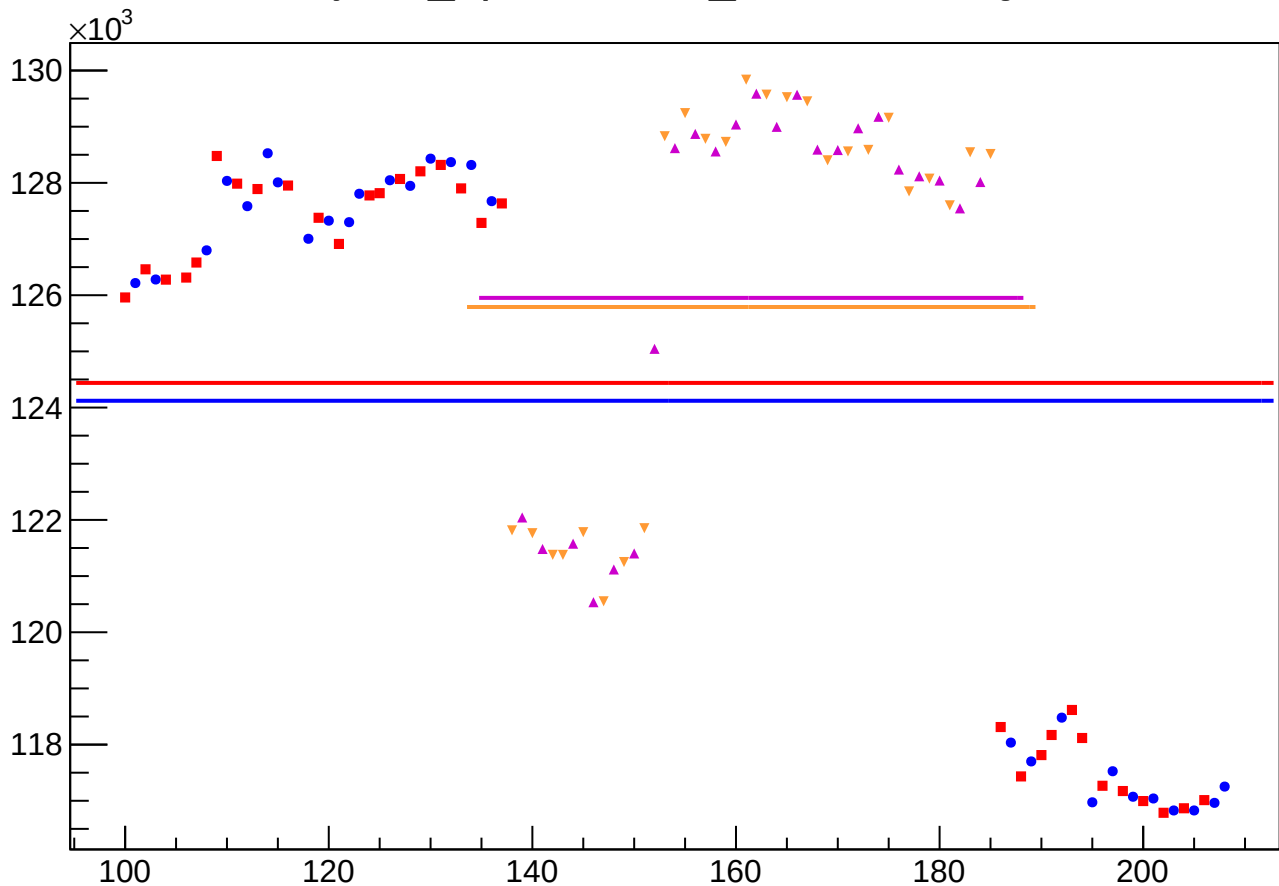
Left In: 210.431+/-0.036 χ^2/NDF : 684015.0/22

+ sign 34.388+/-0.007 χ^2/NDF : 38019510.6/52

All: 35.628+/-0.005 χ^2/NDF : 76145101.1/106

- sign 37.170+/-0.008 χ^2/NDF : 38049647.1/53

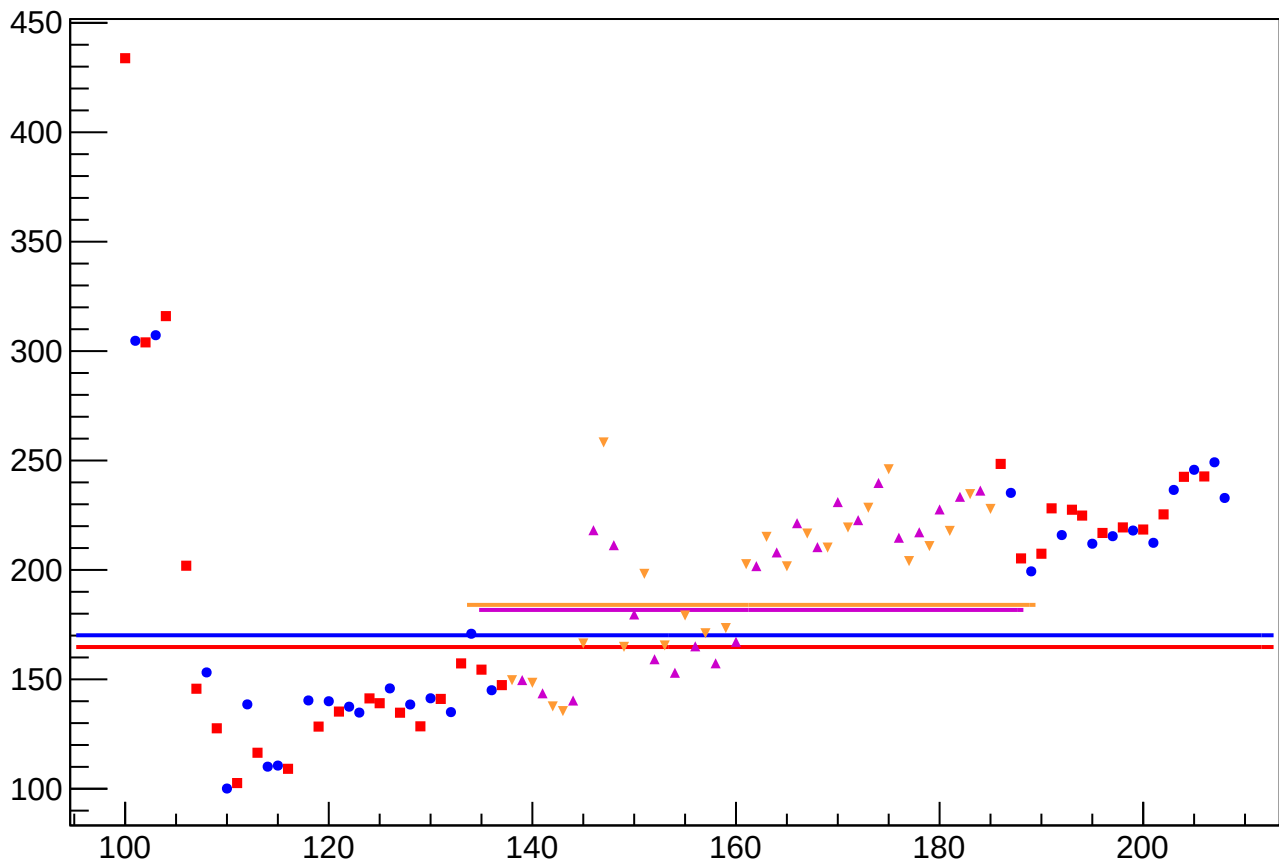
yield_bpm0l01WS_mean vs Slug



Right In: 124120.877 $\pm$ 0.047 χ^2 /NDF: 11113346698.1/27
 Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24
 Right Out: 124438.843 $\pm$ 0.045 χ^2 /NDF: 11494396937.8/30
 Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22

+ sign 125015.886 $\pm$ 0.032 χ^2 /NDF: 18526400500.0
 All: 125109.815 $\pm$ 0.023 χ^2 /NDF: 364496714.0
 - sign 125200.847 $\pm$ 0.032 χ^2 /NDF: 17906504656.3

yield_bpm0l01WS_rms vs Slug



Right In: 170.138 $\pm$ 0.033 χ^2 /NDF: 2219811.6/27

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

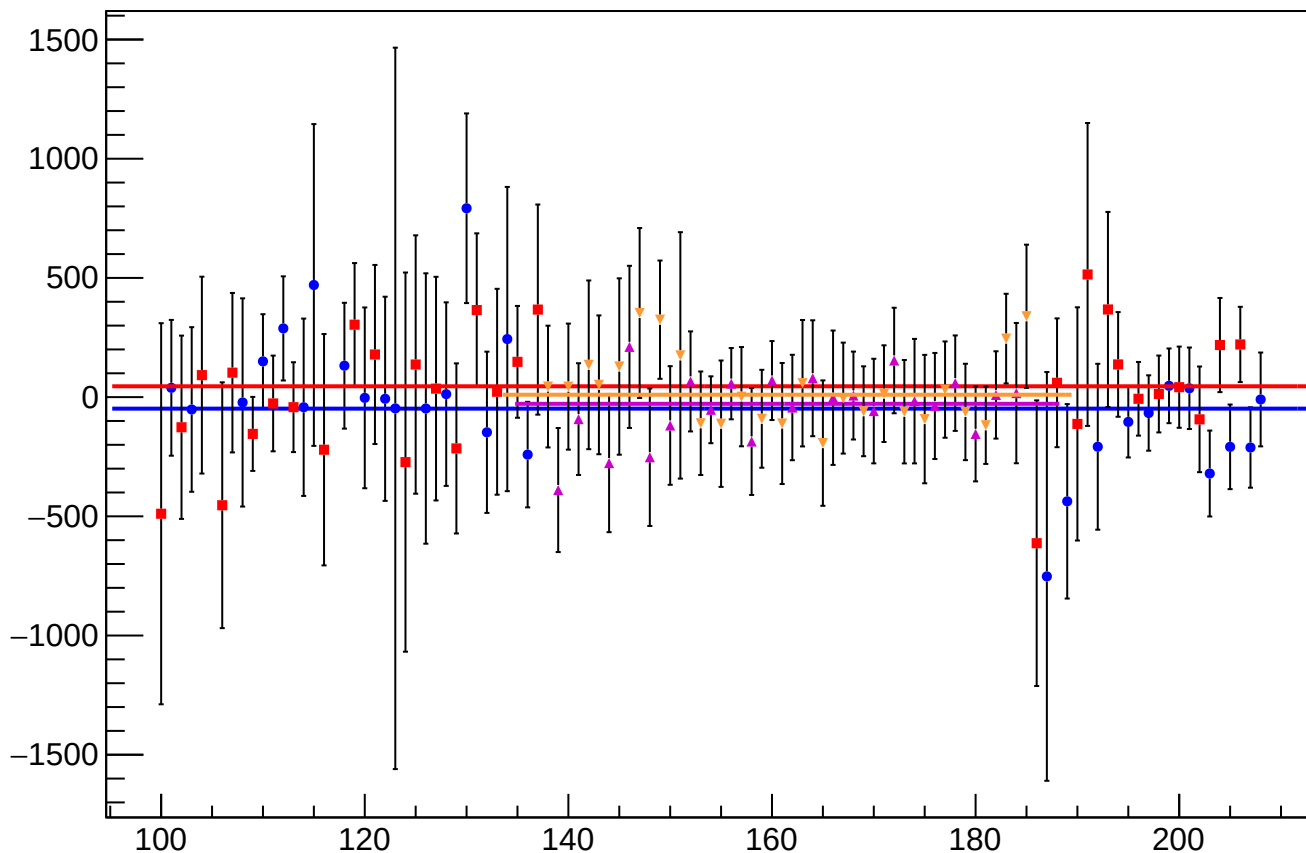
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 177.586 $\pm$ 0.023 χ^2 /NDF: 3439031.4/52

All: 175.408 $\pm$ 0.016 χ^2 /NDF: 7342073.4/106

- sign 173.298 $\pm$ 0.022 χ^2 /NDF: 3885017.6/53

asym_bcm_an_ds_mean vs Slug



Right In: -48.257 ± 46.826 χ^2/NDF : 16.7/27

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 45.491 ± 46.920 χ^2/NDF : 12.7/30

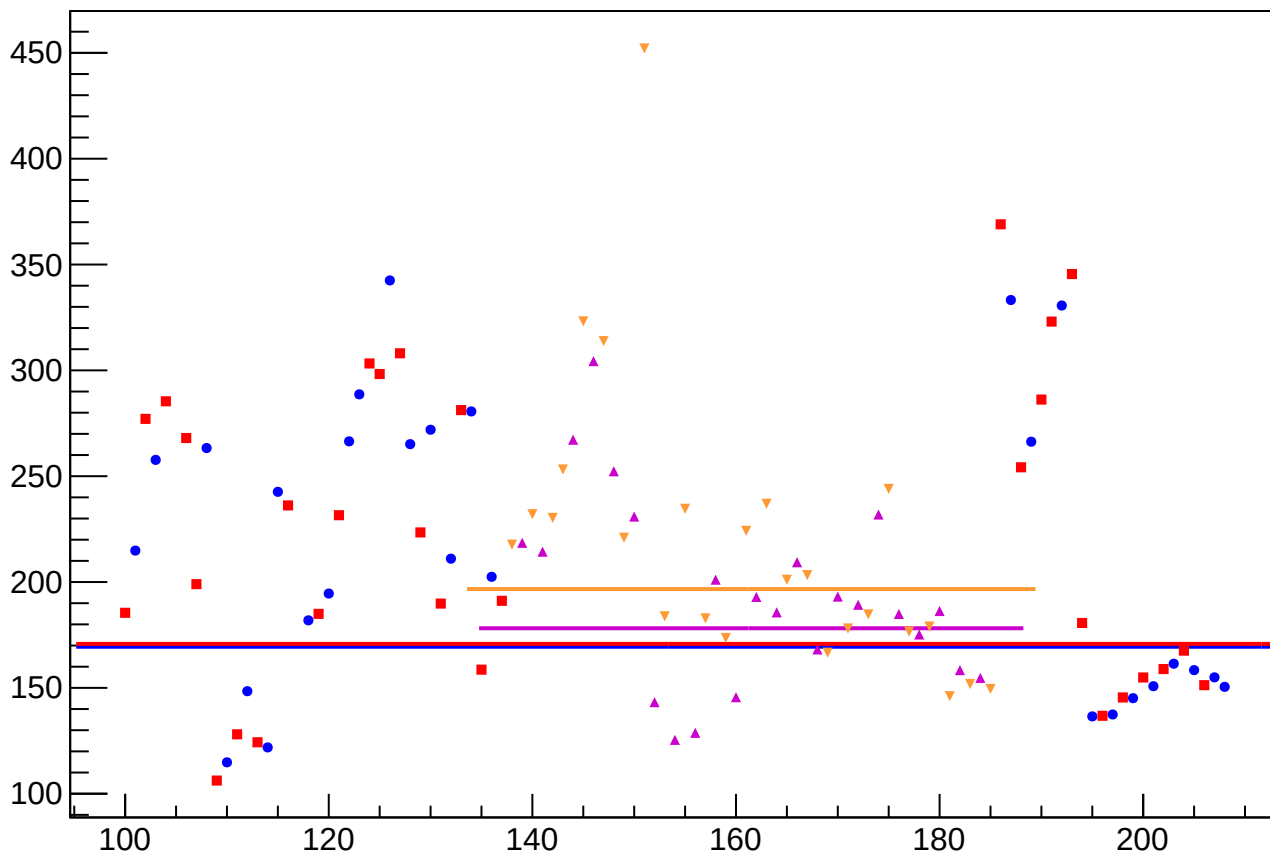
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -19.499 ± 33.343 χ^2/NDF : 26.0/52

All: -5.920 ± 23.205 χ^2/NDF : 47.2/106

- sign 6.835 ± 32.316 χ^2/NDF : 20.9/53

asym_bcm_an_ds_rms vs Slug



Right In: 169.442 $\pm$ 0.033 χ^2 /NDF: 2119466.9/27

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

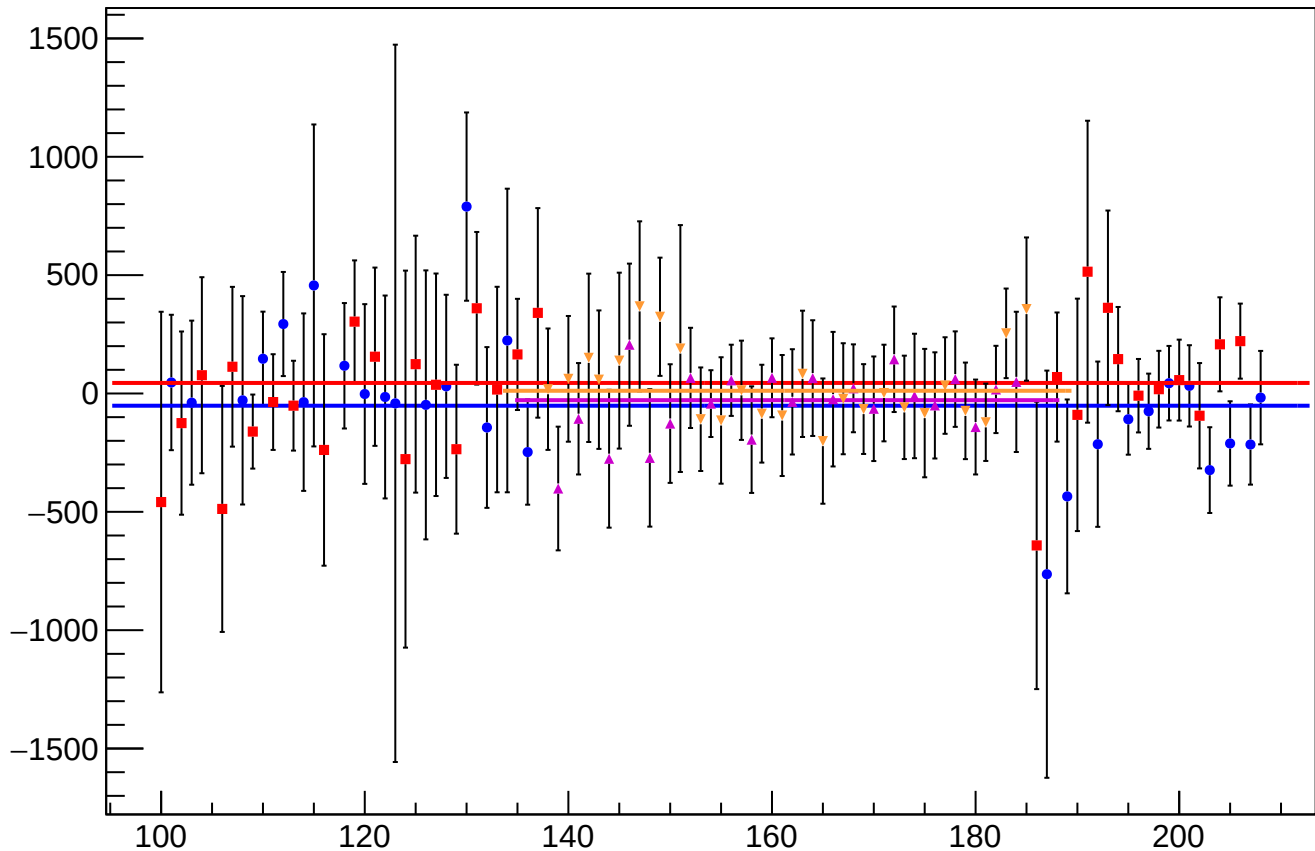
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 182.871 $\pm$ 0.024 χ^2 /NDF: 4235824.3/52

All: 178.638 $\pm$ 0.016 χ^2 /NDF: 8723281.3/106

- sign 174.662 $\pm$ 0.023 χ^2 /NDF: 4424950.0/53

asym_bcm_an_ds3_mean vs Slug



Right In: -51.698 ± 47.047 χ^2/NDF : 16.7/27

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 44.543 ± 47.156 χ^2/NDF : 12.9/30

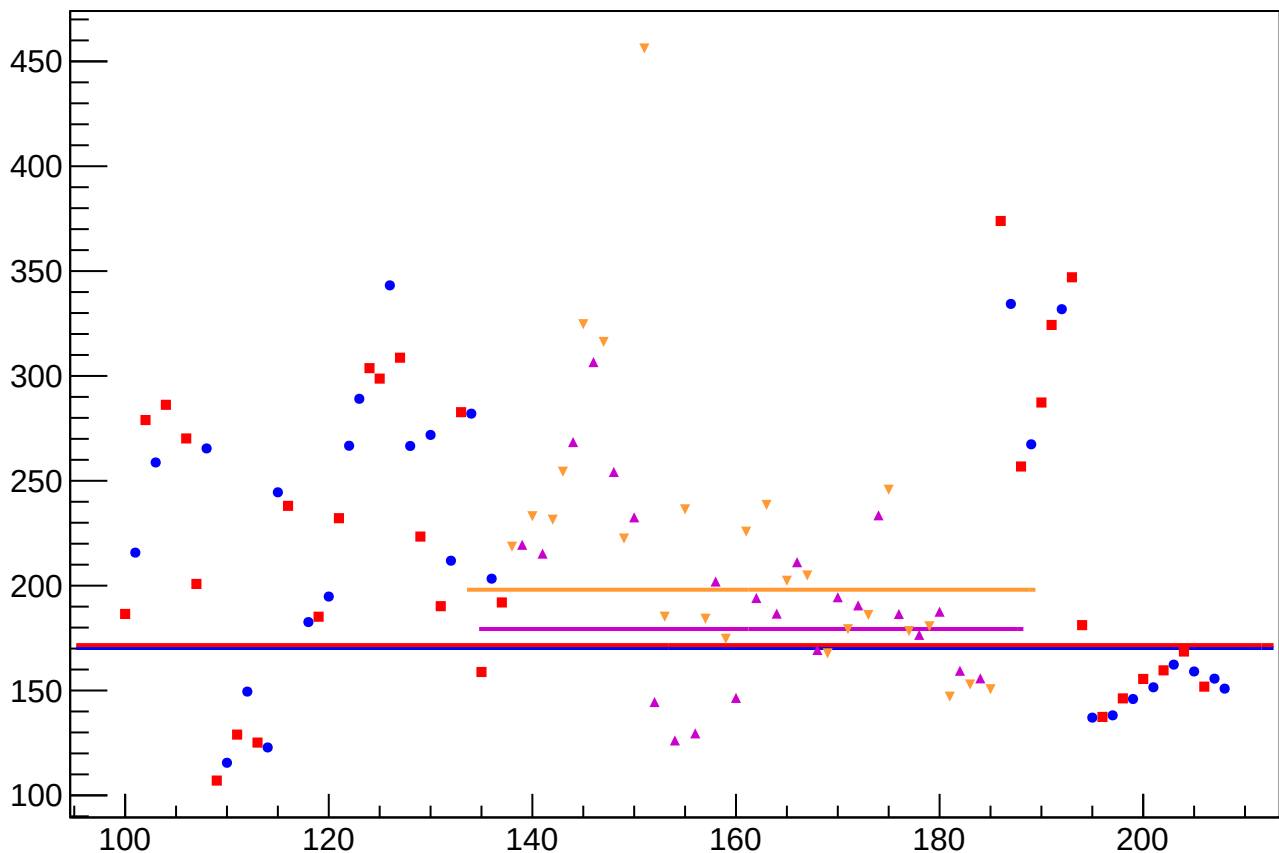
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign -20.623 ± 33.537 χ^2/NDF : 26.4/52

All: -6.731 ± 23.340 χ^2/NDF : 48.0/106

- sign 6.318 ± 32.503 χ^2/NDF : 21.2/53

asym_bcm_an_ds3_rms vs Slug



Right In: 170.268+/-0.033 χ^2/NDF : 2111083.7/27

Left Out: 198.059+/-0.034 χ^2/NDF :1778526.5/24

Right Out: 171.650+/-0.033 χ^2/NDF : 2775338.1/30

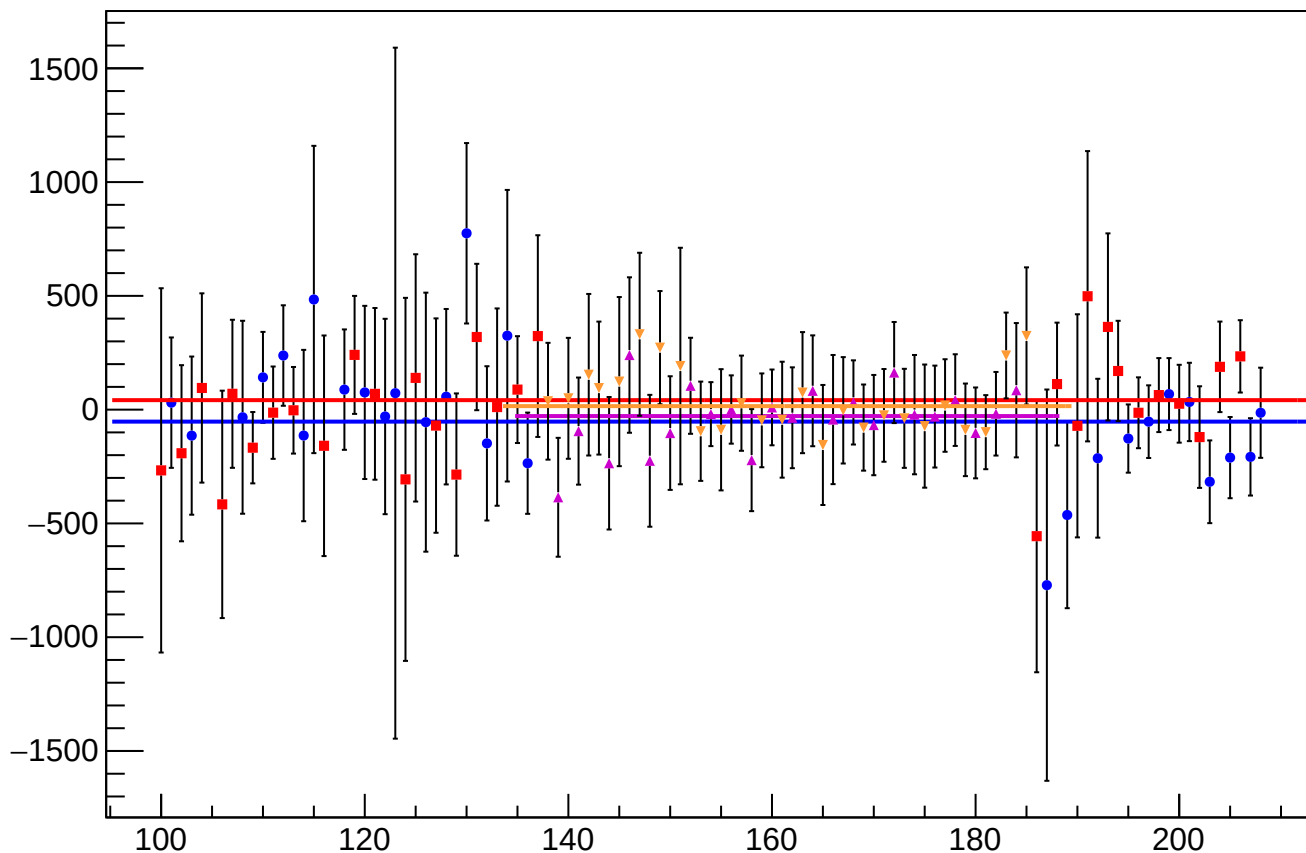
Left In: 179.324+/-0.032 χ^2/NDF :1618266.2/22

+ sign 183.937+/-0.024 χ^2/NDF : 4232852.2/52

All: 179.678+/-0.017 χ^2/NDF : 8716810.8/106

- sign 175.678+/-0.023 χ^2/NDF : 4421405.9/53

asym_bcm_an_us_mean vs Slug



Right In: -52.632 ± 47.131 χ^2/NDF : 16.2/27

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 41.709 ± 47.164 χ^2/NDF : 11.6/30

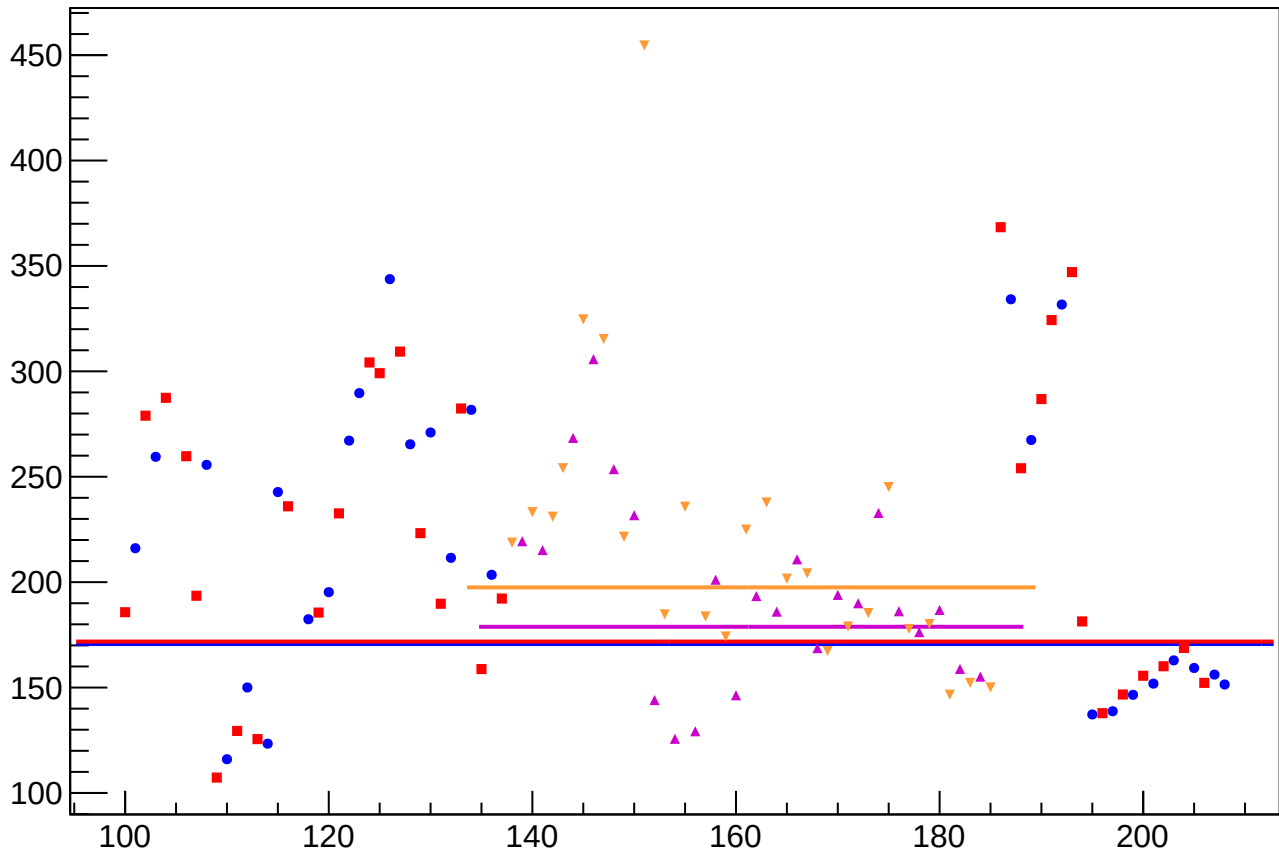
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign -19.002 ± 33.524 χ^2/NDF : 24.2/52

All: -6.679 ± 23.320 χ^2/NDF : 43.6/106

- sign 4.874 ± 32.460 χ^2/NDF : 19.1/53

asym_bcm_an_us_rms vs Slug



Right In: 170.674 $\pm$ 0.033 χ^2 /NDF: 2079262.7/27

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

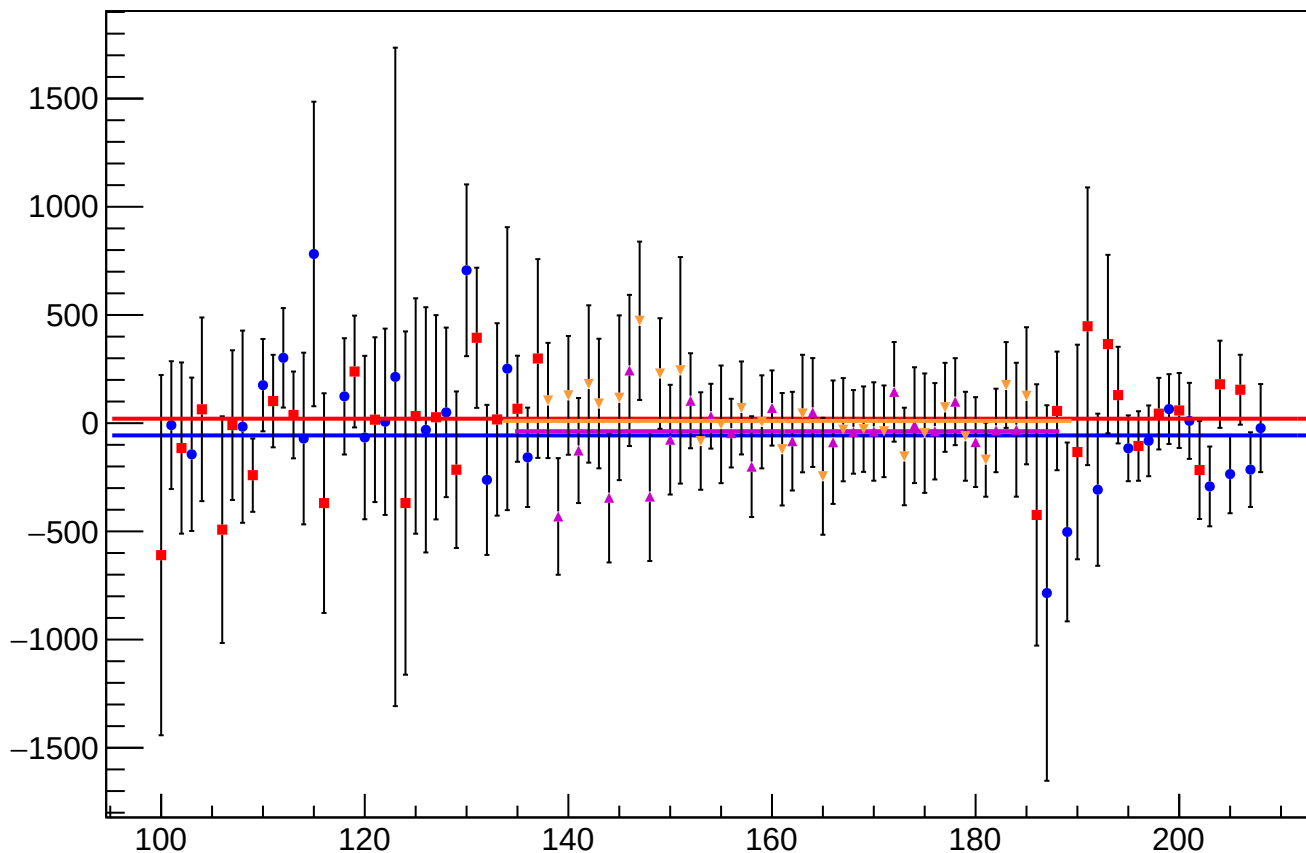
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 183.941 $\pm$ 0.024 χ^2 /NDF: 4184259.5/52

All: 179.591 $\pm$ 0.016 χ^2 /NDF: 8625258.7/106

- sign 175.512 $\pm$ 0.023 χ^2 /NDF: 4375749.2/53

asym_bcm_dg_us_mean vs Slug



Right In: -56.561 ± 48.192 χ^2/NDF : 16.9/27

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 20.690 ± 48.480 χ^2/NDF : 13.0/30

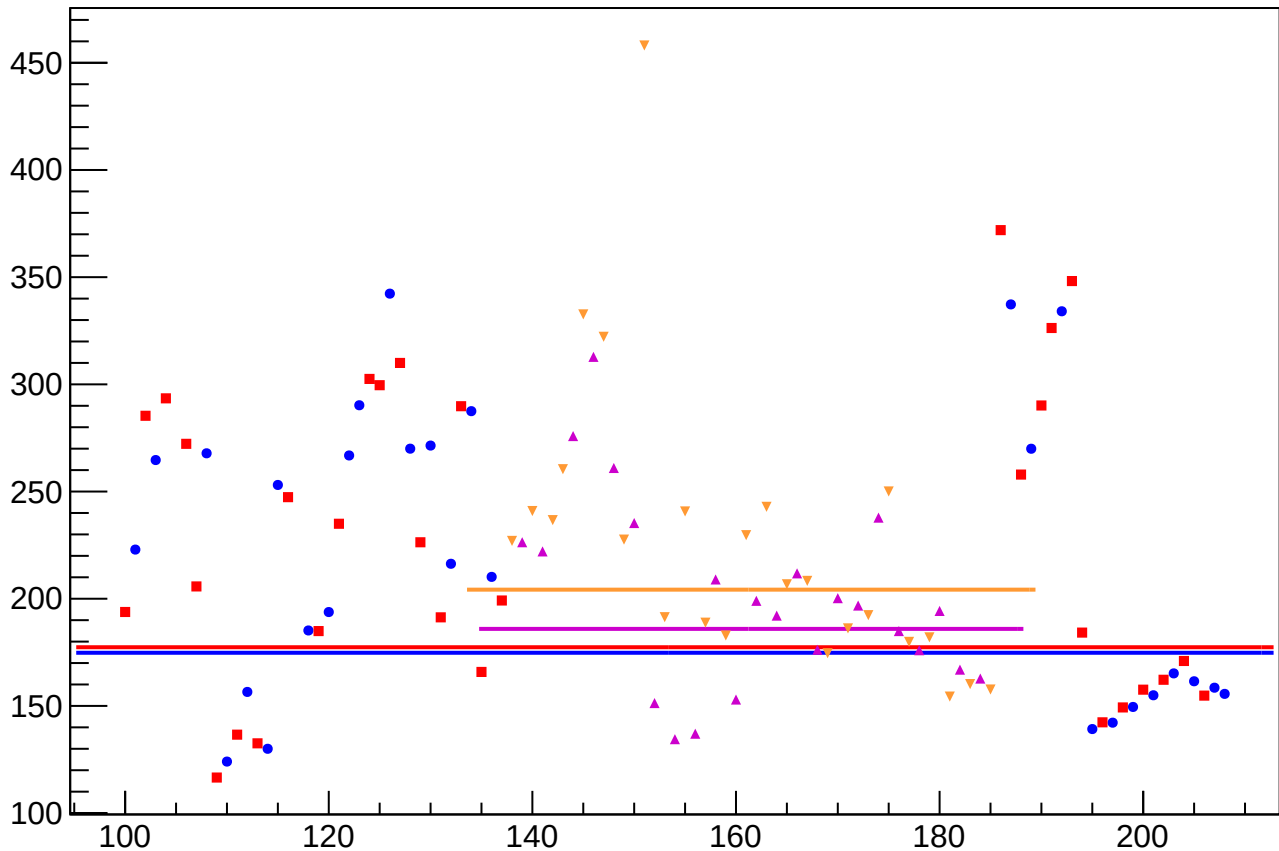
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -23.705 ± 34.427 χ^2/NDF : 25.3/52

All: -16.382 ± 24.011 χ^2/NDF : 47.1/106

- sign -9.445 ± 33.505 χ^2/NDF : 21.7/53

asym_bcm_dg_us_rms vs Slug



Right In: 174.794 $\pm$ 0.034 χ^2 /NDF: 2006434.9/27

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

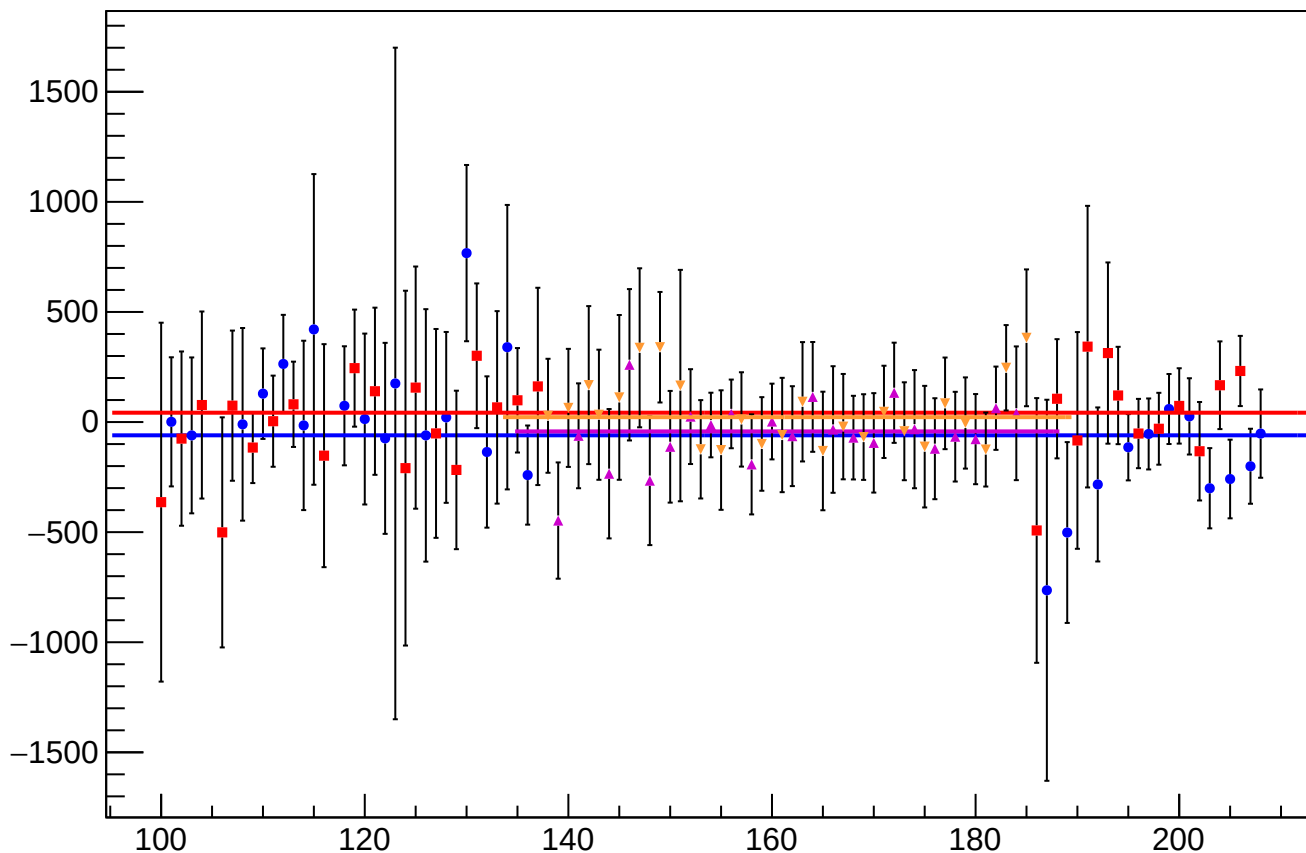
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 189.211 $\pm$ 0.024 χ^2 /NDF: 4047633.5/52

All: 185.427 $\pm$ 0.017 χ^2 /NDF: 8133225.1/106

- sign 181.843 $\pm$ 0.024 χ^2 /NDF: 4038535.3/53

asym_bcm_dg_ds_mean vs Slug



Right In: -60.243 ± 47.580 χ^2/NDF : 16.0/27

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 42.456 ± 47.708 χ^2/NDF : 9.4/30

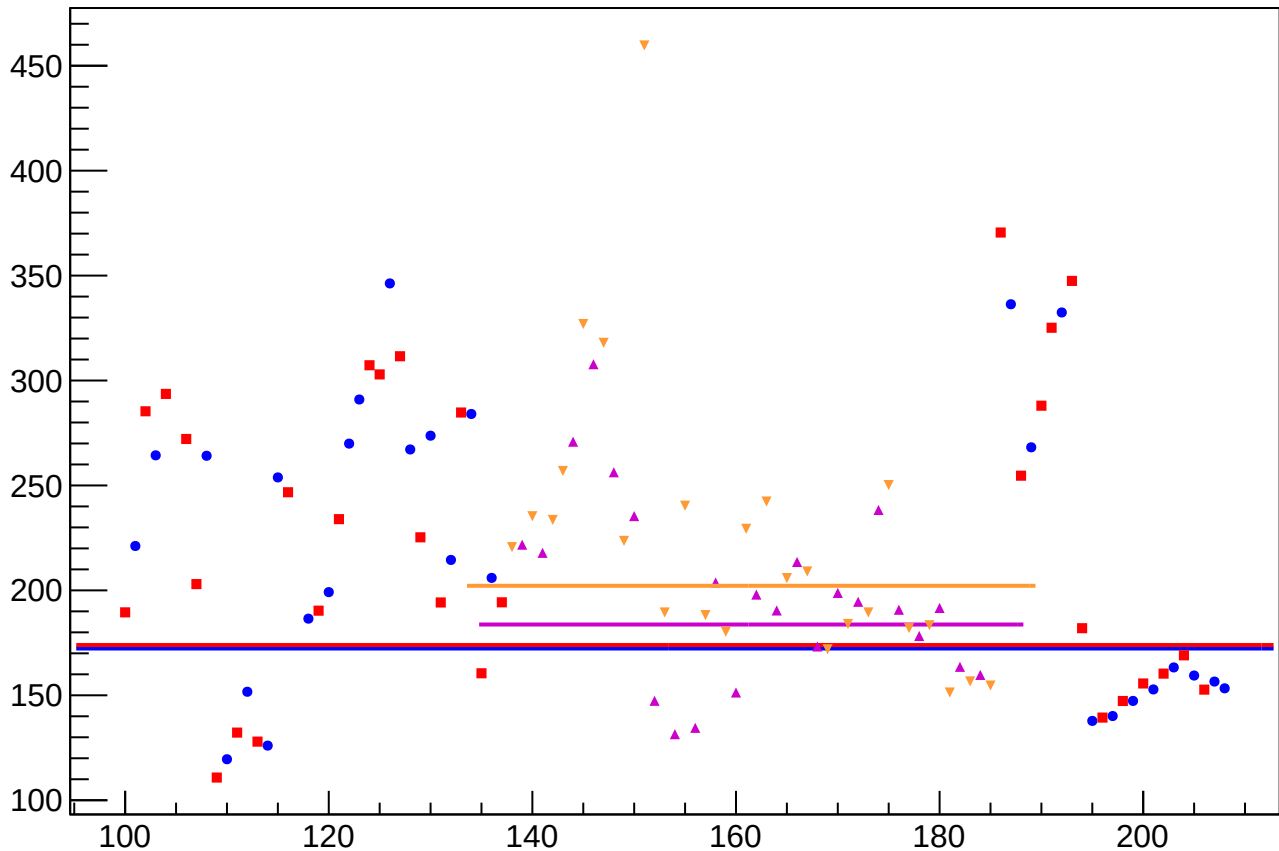
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -20.019 ± 34.046 χ^2/NDF : 25.9/52

All: -10.576 ± 23.719 χ^2/NDF : 43.8/106

- sign -1.670 ± 33.062 χ^2/NDF : 17.8/53

asym_bcm_dg_ds_rms vs Slug



Right In: 172.305 $\pm$ 0.034 χ^2 /NDF: 2088481.0/27

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF: 1696571.9/24

Right Out: 173.957 $\pm$ 0.034 χ^2 /NDF: 2709043.8/30

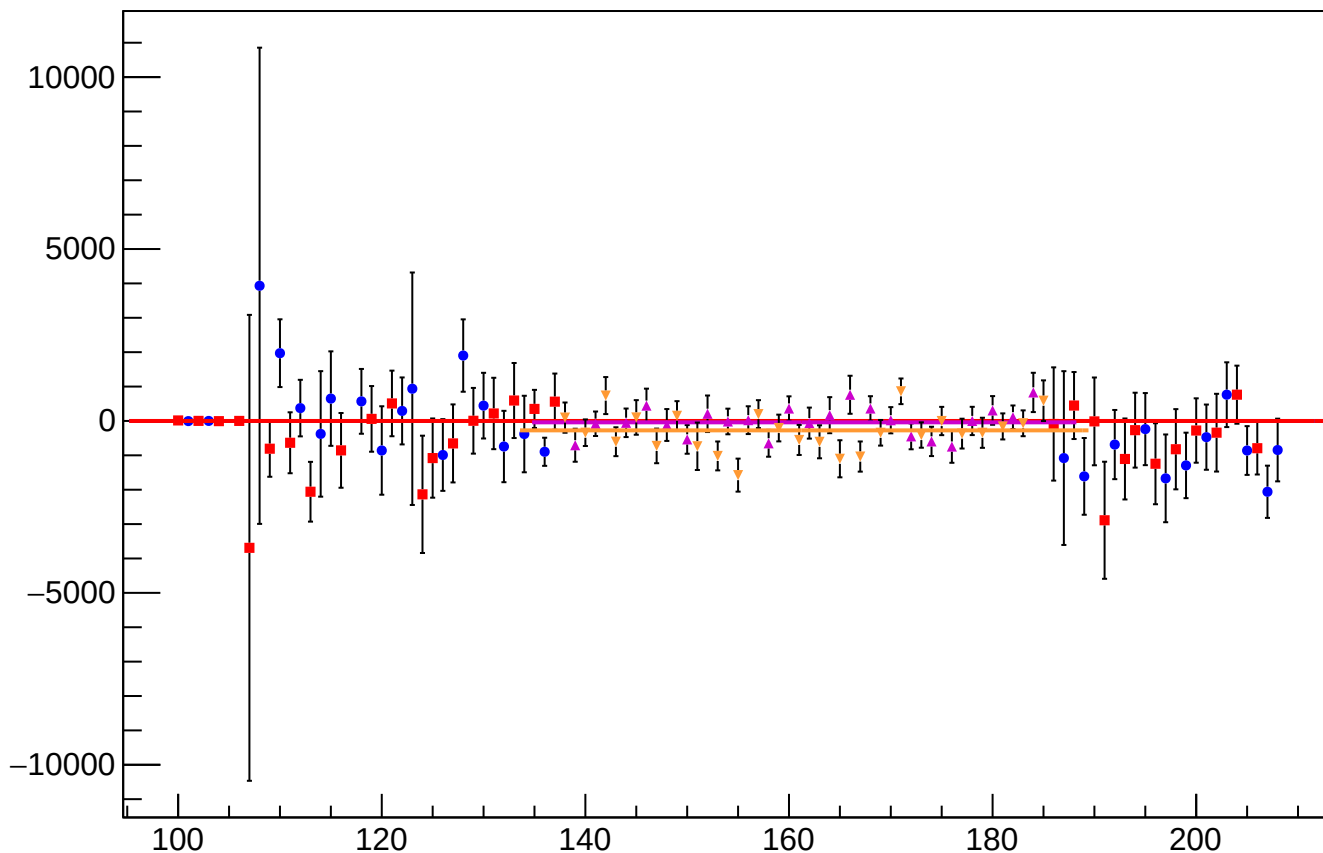
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF: 1495930.4/22

+ sign 186.886 $\pm$ 0.024 χ^2 /NDF: 4169977.3/52

All: 182.847 $\pm$ 0.017 χ^2 /NDF: 8473296.9/106

- sign 179.037 $\pm$ 0.023 χ^2 /NDF: 4248615.8/53

asym_cav4bQ_mean vs Slug



Right In: -1.583 ± 2.251 χ^2/NDF : 33.8/27

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.748 ± 2.111 χ^2/NDF : 25.9/30

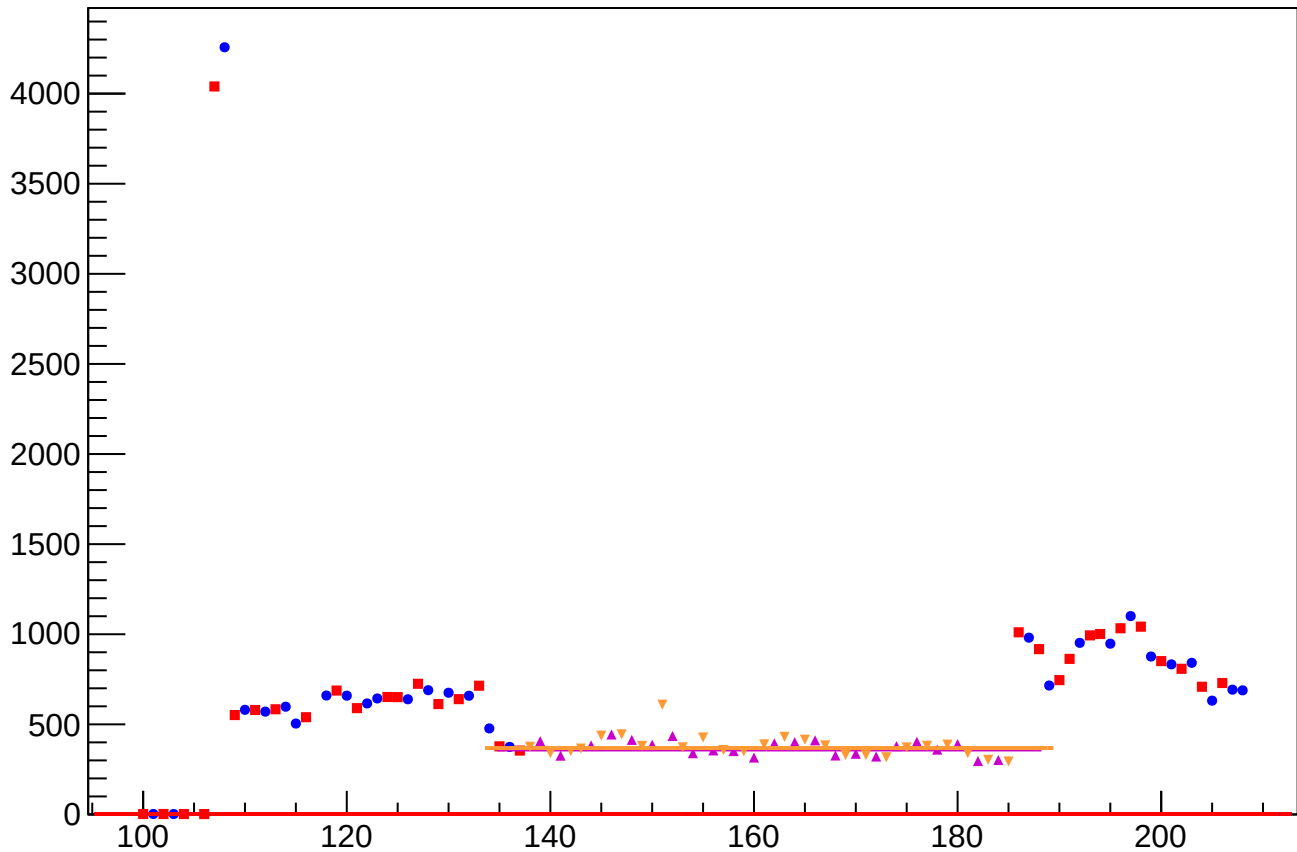
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.766 ± 2.251 χ^2/NDF : 81.9/52

All: -1.237 ± 1.539 χ^2/NDF : 128.3/106

- sign -0.772 ± 2.110 χ^2/NDF : 46.3/53

asym_cav4bQ_rms vs Slug



Right In: 2.503 $\pm$ 0.002 χ^2 /NDF: 25833472.4/27

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.477 $\pm$ 0.001 χ^2 /NDF: 26879535.6/30

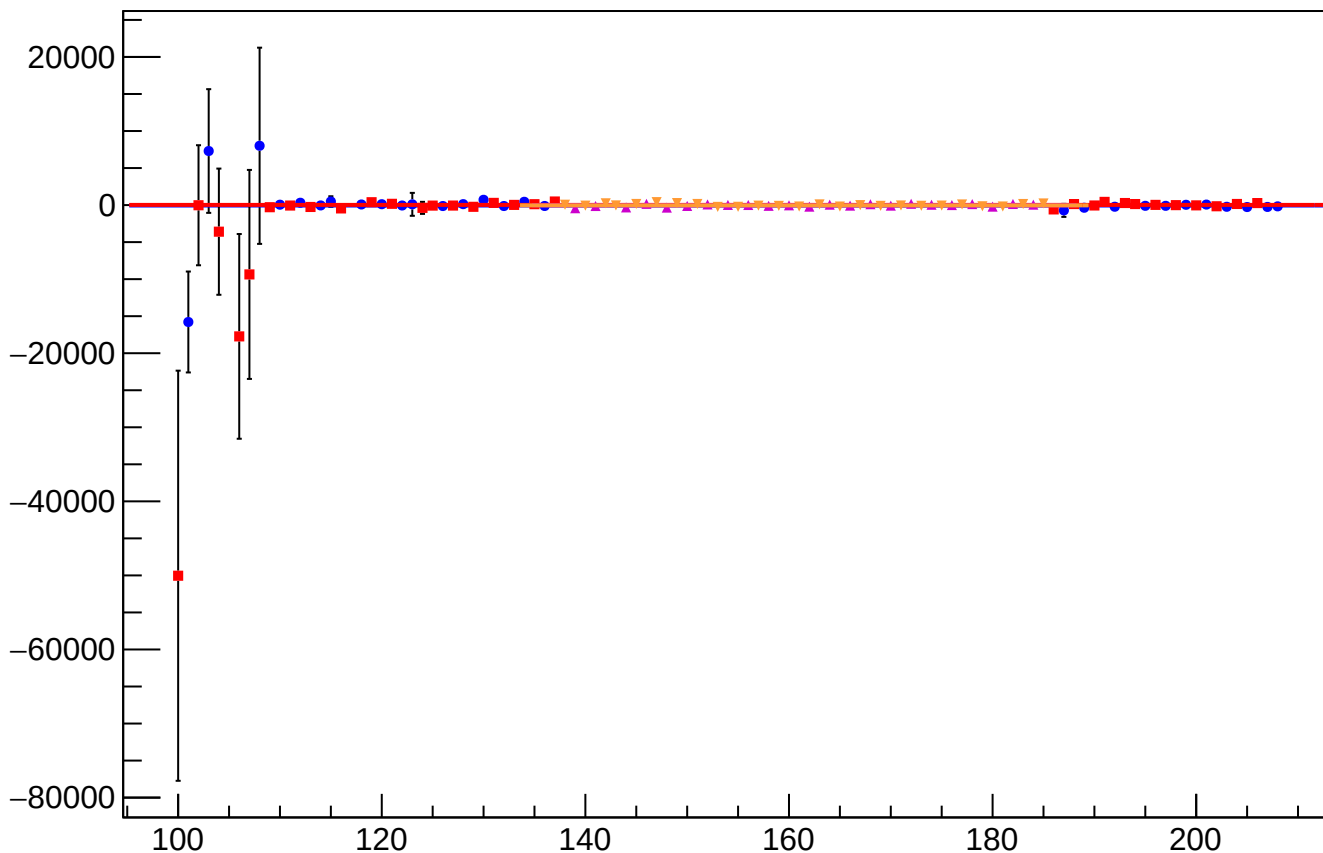
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.749 $\pm$ 0.002 χ^2 /NDF: 61934635.1/52

All: 2.715 $\pm$ 0.001 χ^2 /NDF: 122737837.6/106

- sign 2.685 $\pm$ 0.001 χ^2 /NDF: 60802350.1/53

asym_cav4cQ_mean vs Slug



Right In: -56.234 $\pm$ 52.127 χ^2 /NDF: 20.4/27

Left Out: -39.036 $\pm$ 49.576 χ^2 /NDF: 9.1/24

Right Out: 24.662 $\pm$ 53.289 χ^2 /NDF: 20.0/30

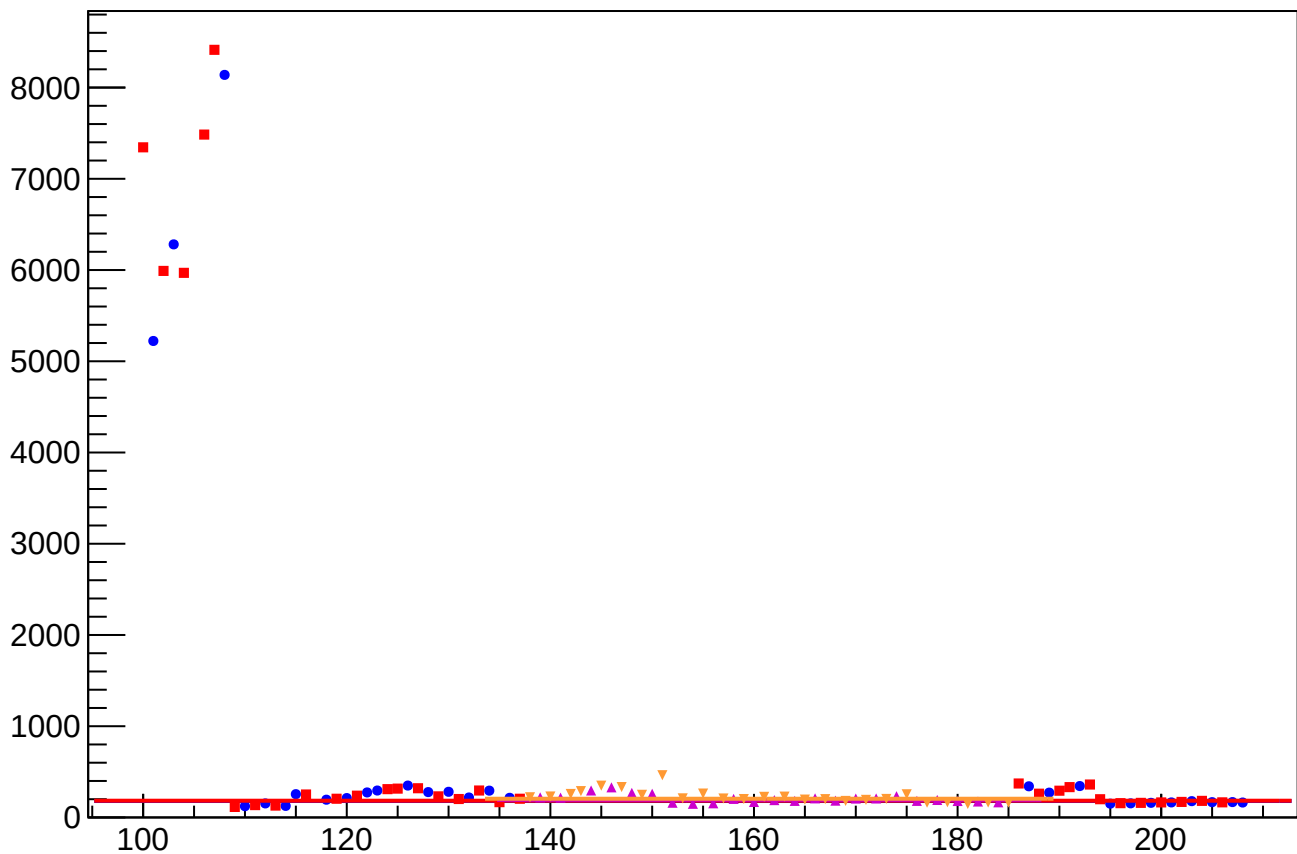
Left In: -28.062 $\pm$ 48.032 χ^2 /NDF: 9.6/22

+ sign -47.203 $\pm$ 35.924 χ^2 /NDF: 29.6/52

All: -25.669 $\pm$ 25.314 χ^2 /NDF: 60.5/106

- sign -4.428 $\pm$ 35.678 χ^2 /NDF: 30.1/53

asym_cav4cQ_rms vs Slug



Right In: 180.145 $\pm$ 0.037 χ^2 /NDF: 4517917.0/27

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

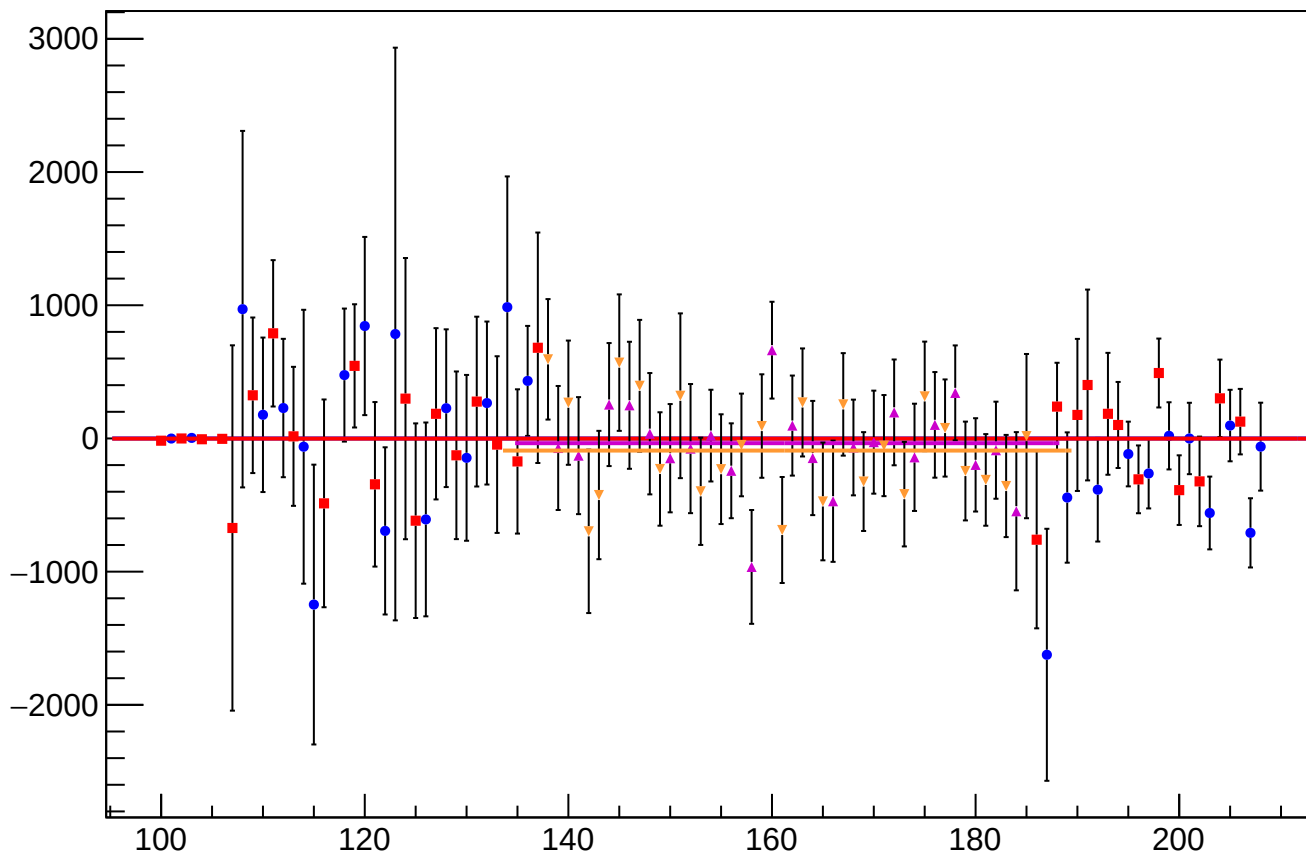
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 193.256 $\pm$ 0.025 χ^2 /NDF: 6716334.4/52

All: 191.146 $\pm$ 0.018 χ^2 /NDF: 13303921.6/10

- sign 189.065 $\pm$ 0.025 χ^2 /NDF: 6573888.6/53

asym_cav4dQ_mean vs Slug



Right In: -0.228 ± 1.736 χ^2/NDF : 27.9/27

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.313 ± 1.622 χ^2/NDF : 21.3/30

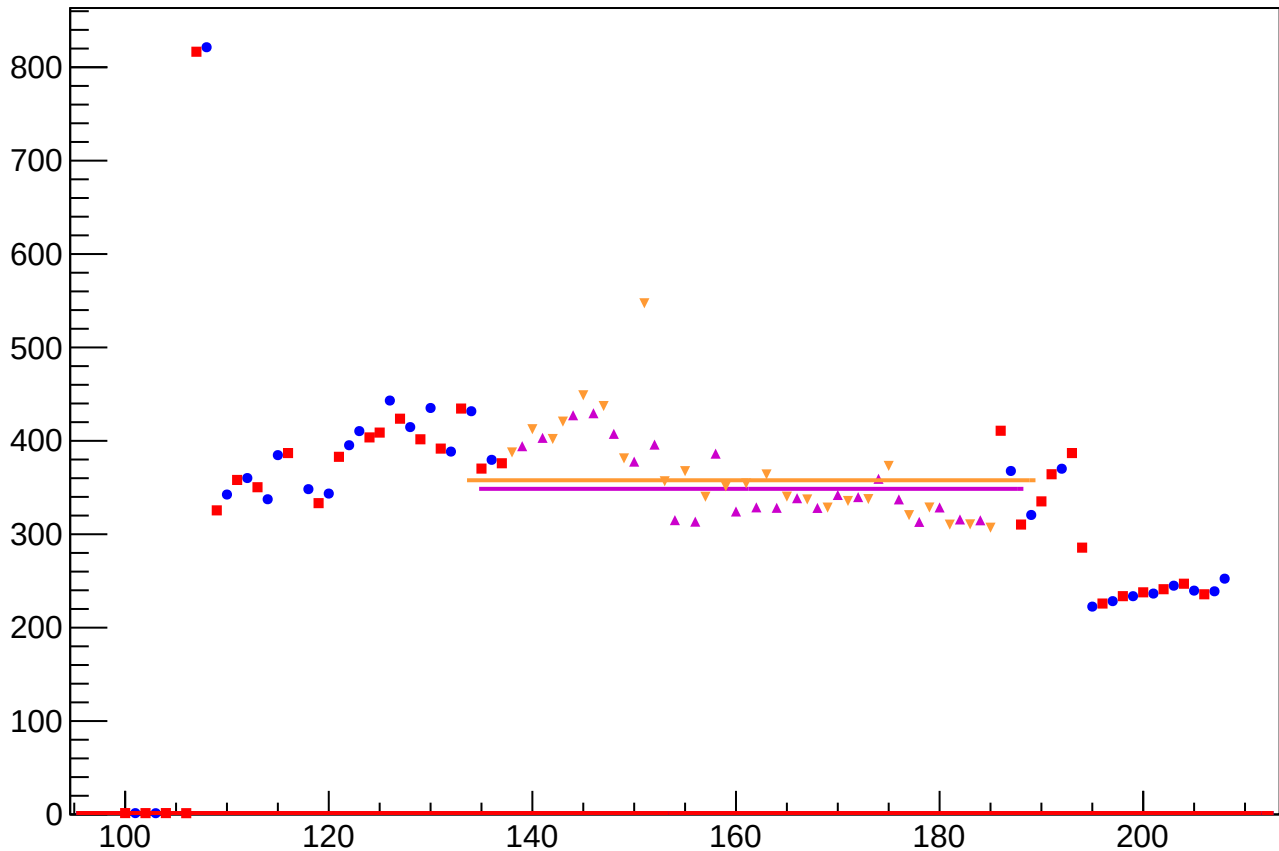
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.267 ± 1.736 χ^2/NDF : 45.5/52

All: -0.832 ± 1.185 χ^2/NDF : 80.6/106

- sign -1.326 ± 1.622 χ^2/NDF : 34.9/53

asym_cav4dQ_rms vs Slug



Right In: 1.544+/-0.001 χ^2/NDF : 26092394.8/27

Left Out: 357.804+/-0.059 χ^2/NDF : 547036.5/24

Right Out: 1.528+/-0.001 χ^2/NDF : 26575471.3/30

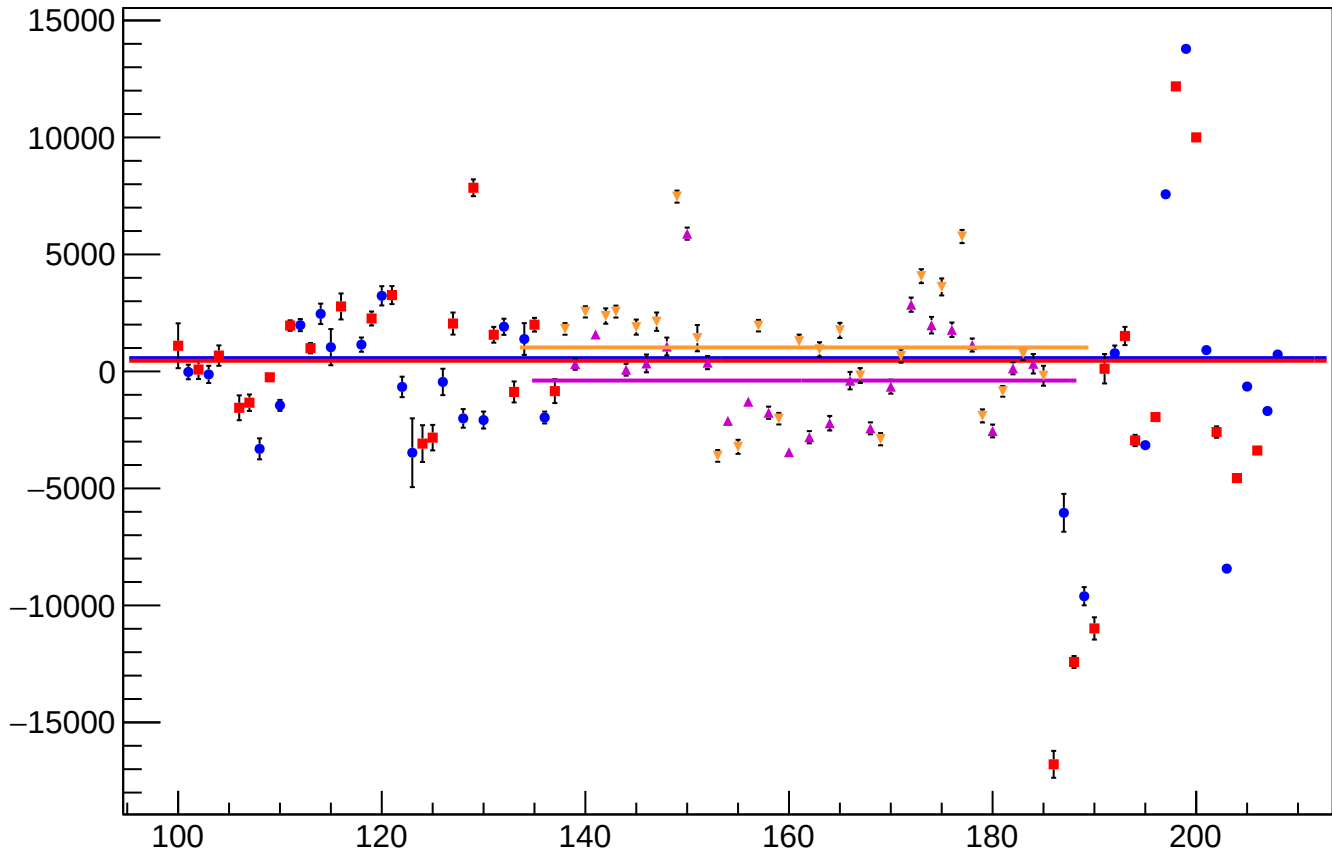
Left In: 348.611+/-0.060 χ^2/NDF : 362511.2/22

+ sign 1.696+/-0.001 χ^2/NDF : 62532344.5/52

All: 1.675+/-0.001 χ^2/NDF : 123295460.6/106

- sign 1.656+/-0.001 χ^2/NDF : 60762564.6/53

asym_bcm0l02_mean vs Slug



Right In: 567.421 $\pm$ 51.761 χ^2 /NDF: 11007.9/27

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

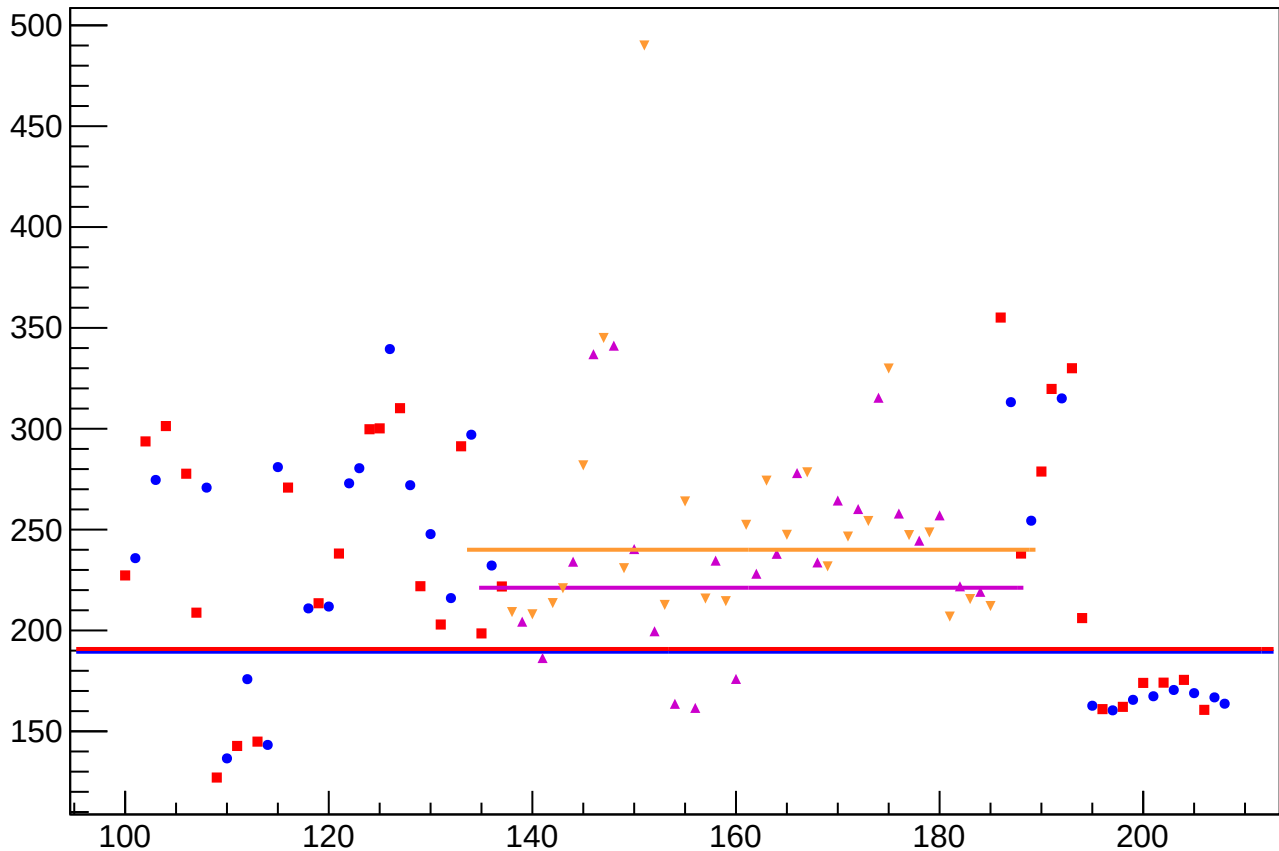
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF: 1584.9/22

+ sign 772.181 $\pm$ 38.422 χ^2 /NDF: 13352.1/52

All: 408.301 $\pm$ 26.871 χ^2 /NDF: 28447.9/106

- sign 59.938 $\pm$ 37.593 χ^2 /NDF: 14920.2/53

asym_bcm0l02_rms vs Slug



Right In: 189.457 $\pm$ 0.037 χ^2 /NDF: 1520067.5/27

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 190.818 $\pm$ 0.036 χ^2 /NDF: 2050485.7/30

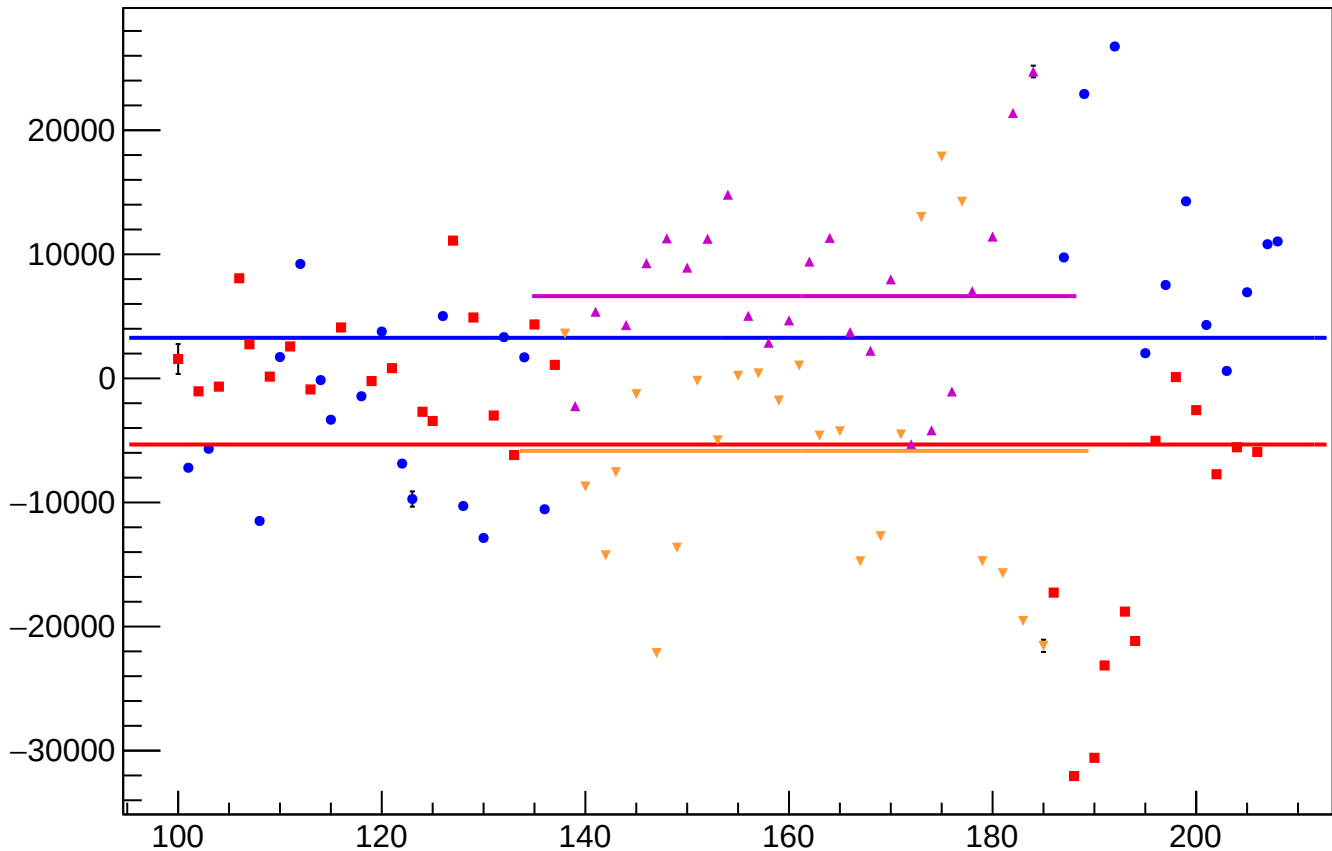
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 212.160 $\pm$ 0.027 χ^2 /NDF: 3379389.3/52

All: 208.520 $\pm$ 0.019 χ^2 /NDF: 7132227.2/100

- sign 205.035 $\pm$ 0.027 χ^2 /NDF: 3717693.9/53

asym_bpm2i01WS_mean vs Slug



Right In: 3268.973 ± 35.946 $\chi^2/\text{NDF}: 81450.5/27$

Left Out: -5841.615 ± 35.848 $\chi^2/\text{NDF}: 63397.3/24$

Right Out: -5327.795 ± 34.404 $\chi^2/\text{NDF}: 101442.6/30$

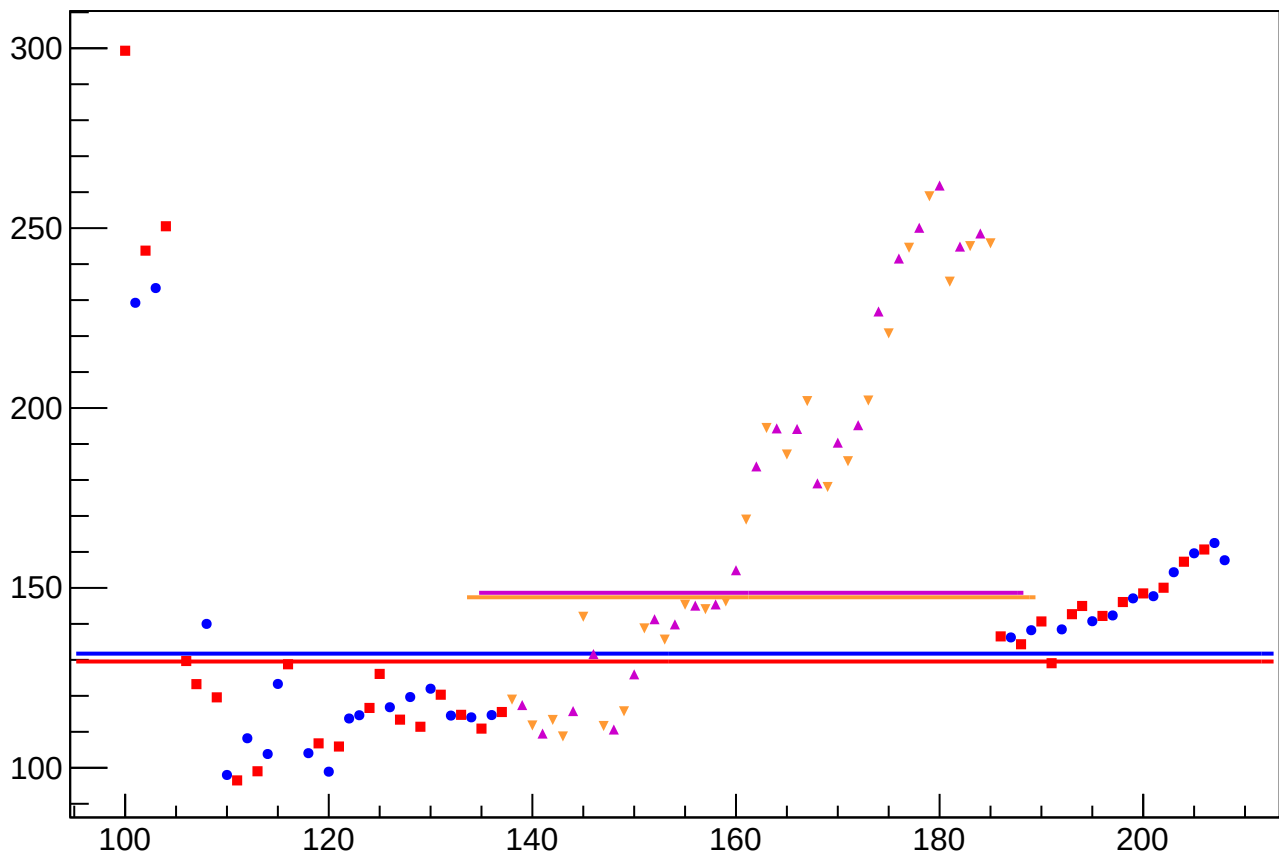
Left In: 6628.388 ± 37.160 $\chi^2/\text{NDF}: 21738.0/22$

+ sign -1298.798 ± 25.383 $\chi^2/\text{NDF}: 177054.8/52$

All: -550.137 ± 17.900 $\chi^2/\text{NDF}: 357708.3/10$

- sign 190.436 ± 25.245 $\chi^2/\text{NDF}: 178923.1/53$

asym_bpm2i01WS_rms vs Slug



Right In: 131.734+/-0.025 χ^2/NDF : 1023368.1/27

Left Out: 147.396+/-0.025 χ^2/NDF : 2517097.1/24

Right Out: 129.545+/-0.024 χ^2/NDF : 1070549.9/30

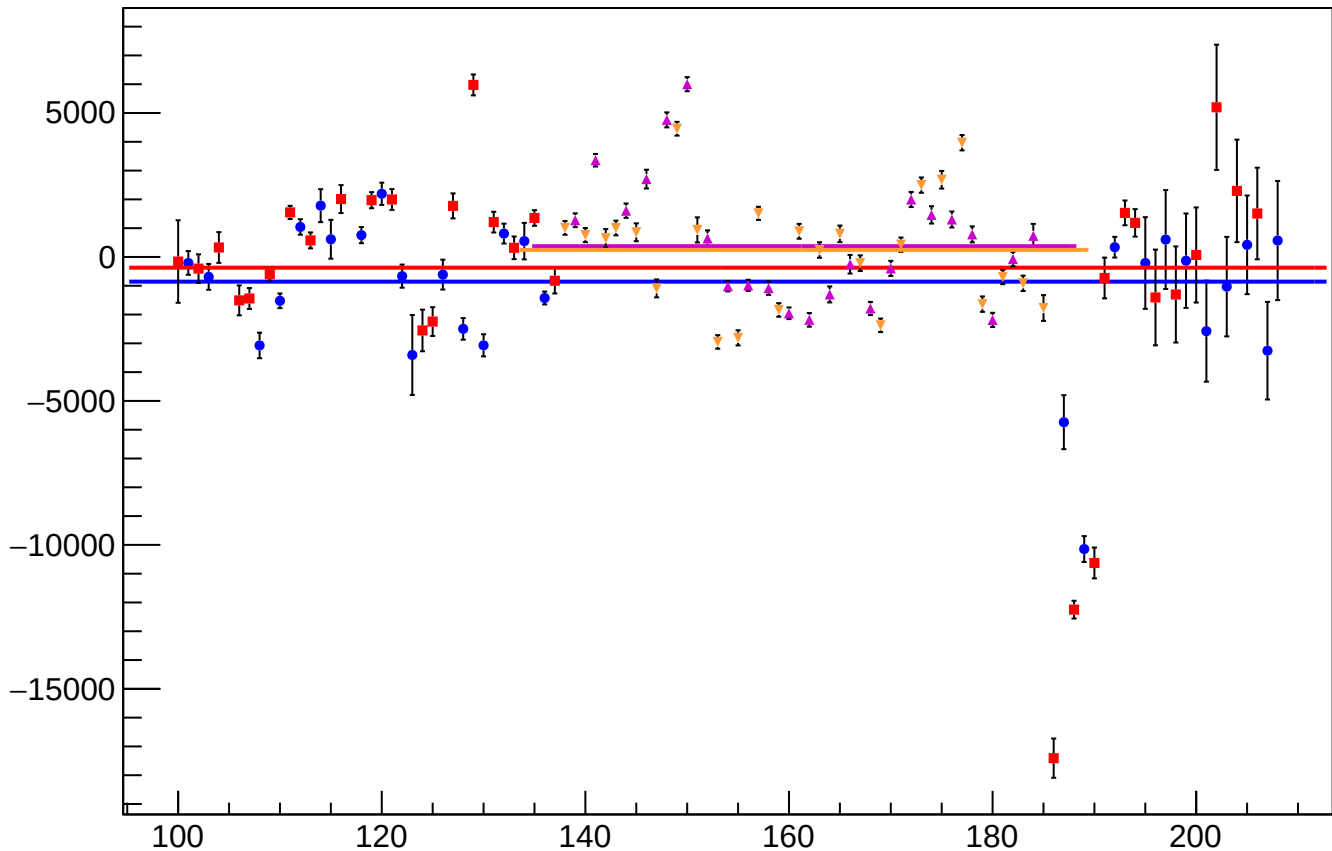
Left In: 148.642+/-0.026 χ^2/NDF : 2415531.9/22

+ sign 139.586+/-0.018 χ^2/NDF : 3730837.9/52

All: 138.969+/-0.013 χ^2/NDF : 7503693.1/100

- sign 138.359+/-0.018 χ^2/NDF : 3770504.4/53

asym_bpm0i07WS_mean vs Slug



Right In: -856.691 ± 84.048 χ^2/NDF : 764.5/27

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -371.899 ± 75.013 χ^2/NDF : 3171.1/30

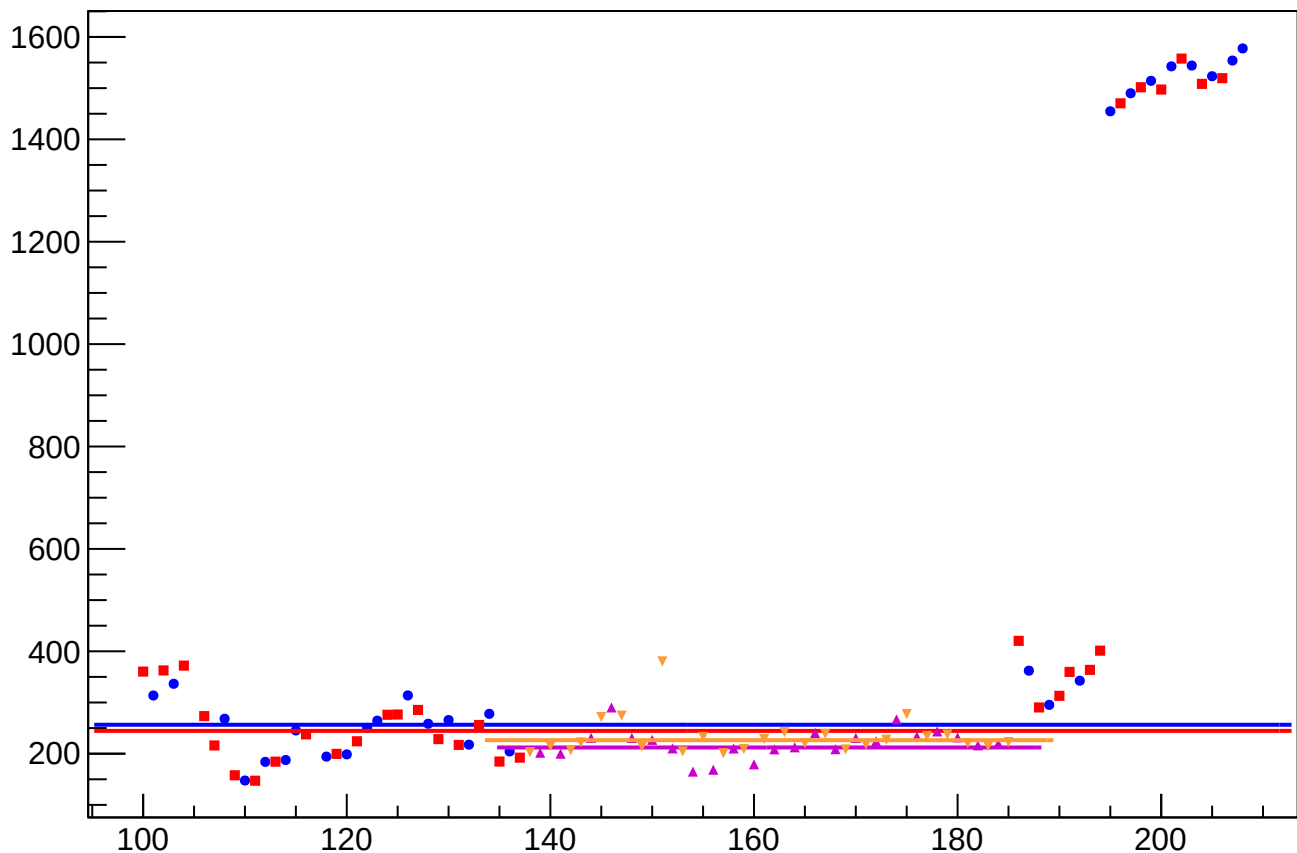
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -71.805 ± 45.127 χ^2/NDF : 2241.8/52

All: 36.253 ± 31.007 χ^2/NDF : 7289.0/106

- sign 132.891 ± 42.676 χ^2/NDF : 5036.3/53

asym_bpm0i07WS_rms vs Slug



Right In: 256.535 $\pm$ 0.059 χ^2 /NDF: 9712350.0/27

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

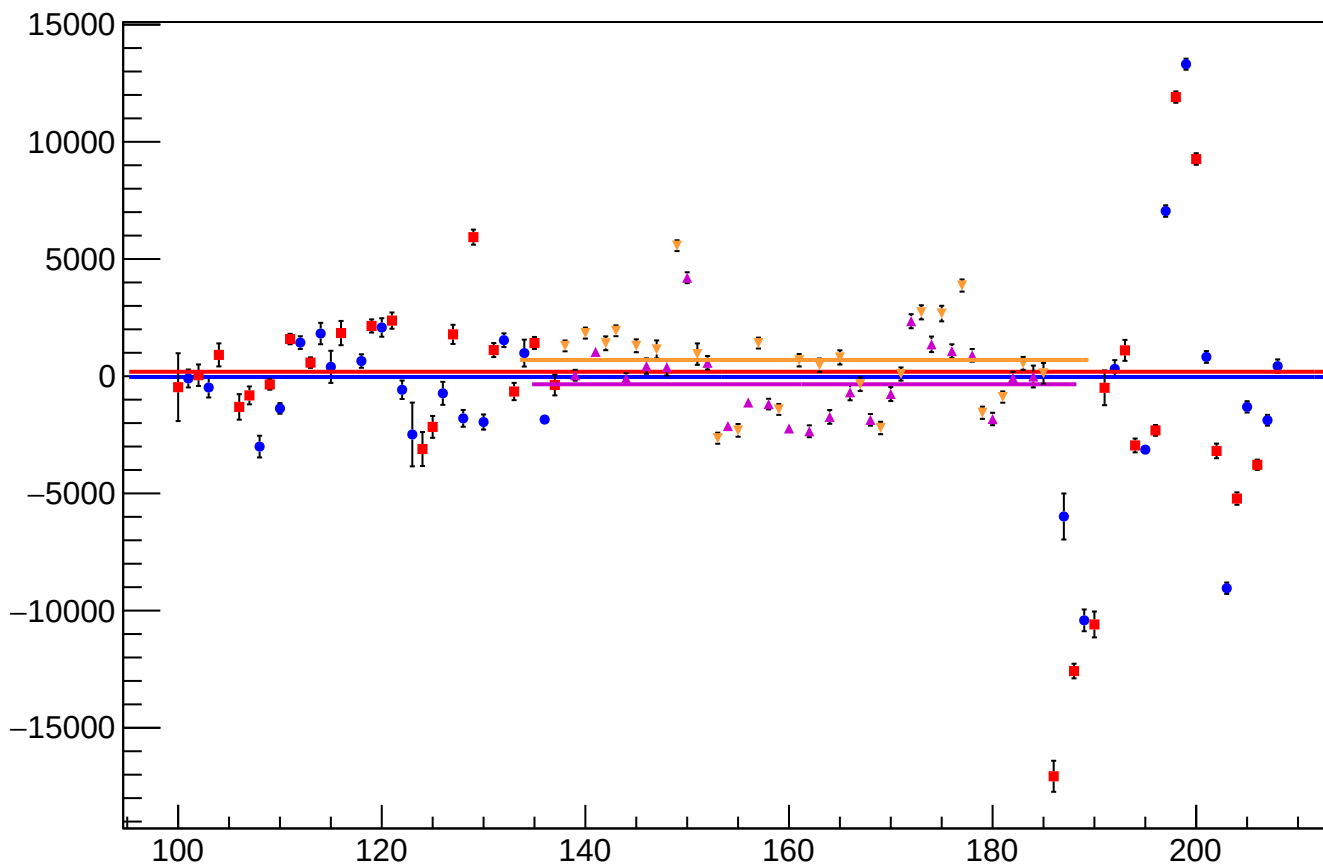
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 235.070 $\pm$ 0.032 χ^2 /NDF: 10417407.1/52

All: 228.511 $\pm$ 0.022 χ^2 /NDF: 19611291.1/10

- sign 222.644 $\pm$ 0.030 χ^2 /NDF: 9113837.1/53

asym_bpm0l01WS_mean vs Slug



Right In: -34.385 ± 58.682 χ^2/NDF : 6606.0/27

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: 189.776 ± 57.946 χ^2/NDF : 8128.4/30

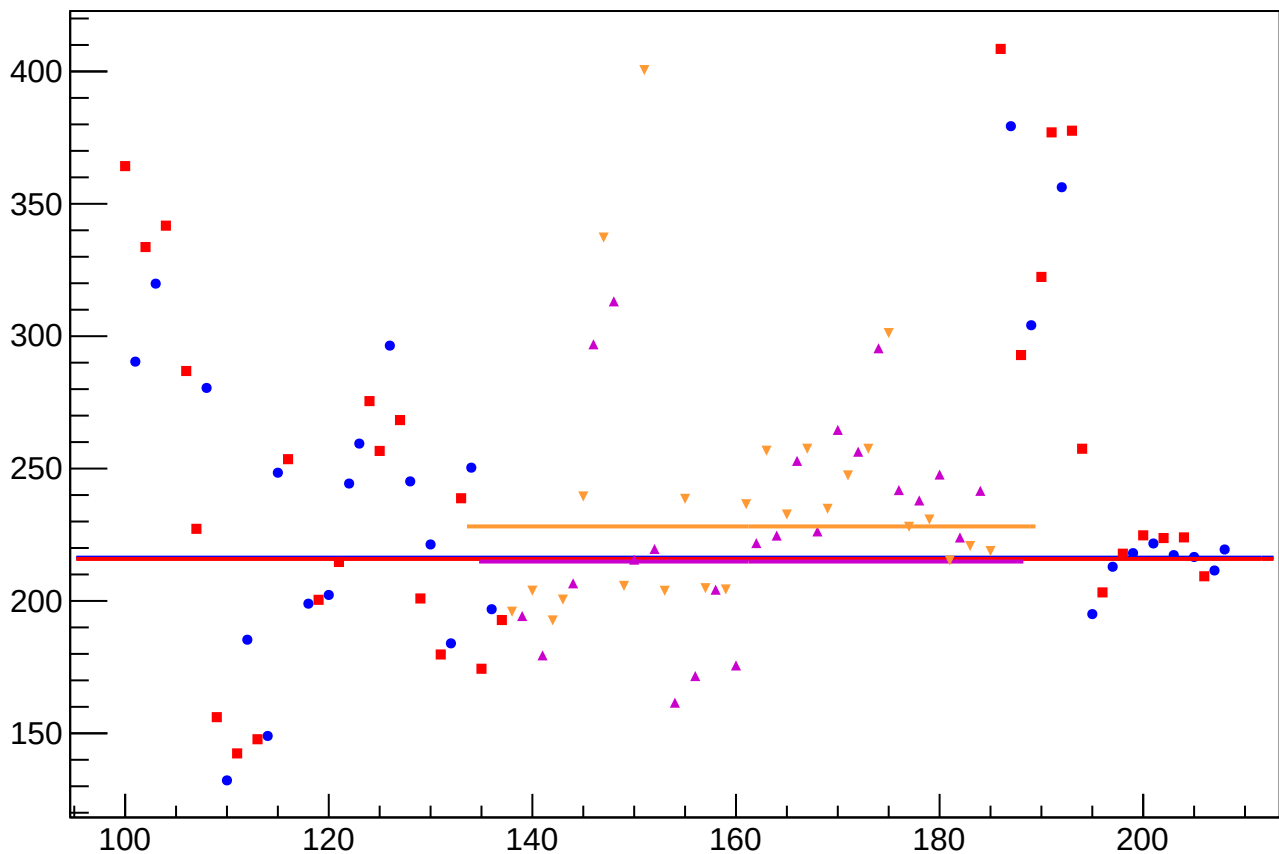
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 358.547 ± 39.834 χ^2/NDF : 8111.2/52

All: 124.237 ± 27.900 χ^2/NDF : 17338.9/106

- sign -101.403 ± 39.090 χ^2/NDF : 9159.7/53

asym_bpm0l01WS_rms vs Slug



Right In: 216.351+/-0.041 χ^2/NDF : 1144971.8/27

Left Out: 228.144+/-0.038 χ^2/NDF : 828399.3/24

Right Out: 215.868+/-0.041 χ^2/NDF : 1821519.6/30

Left In: 214.878+/-0.037 χ^2/NDF : 1037509.6/22

+ sign 222.710+/-0.028 χ^2/NDF : 2016921.1/52

All: 218.950+/-0.020 χ^2/NDF : 4911251.3/106

- sign 215.329+/-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

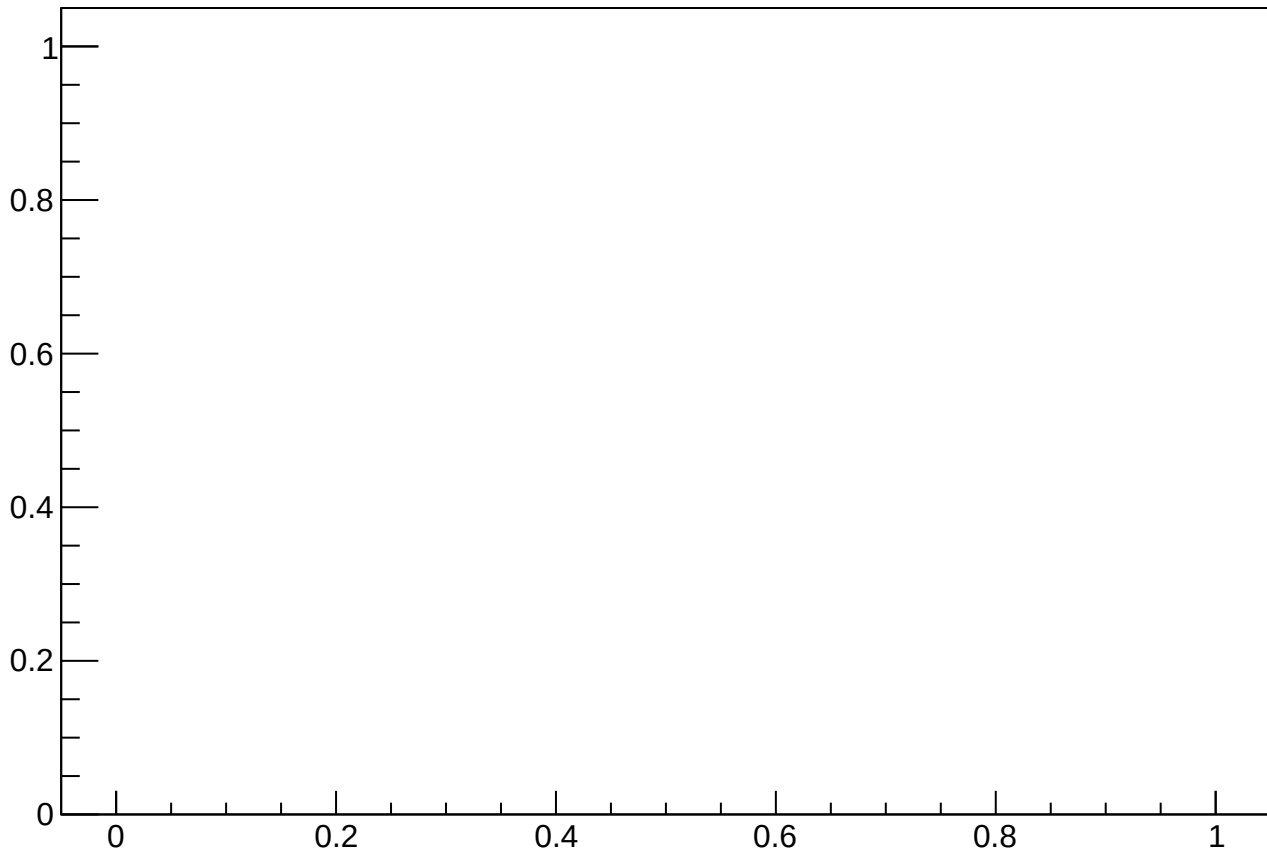
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

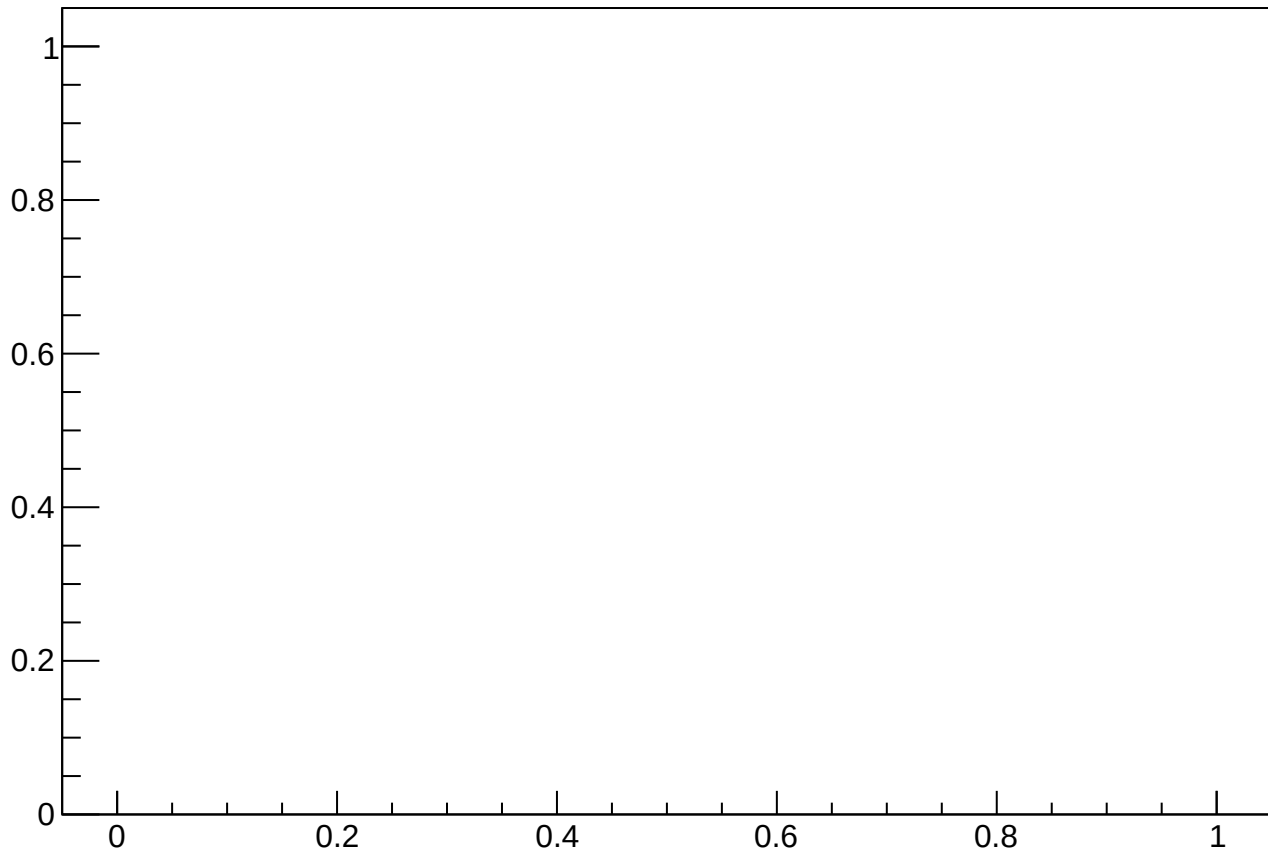
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

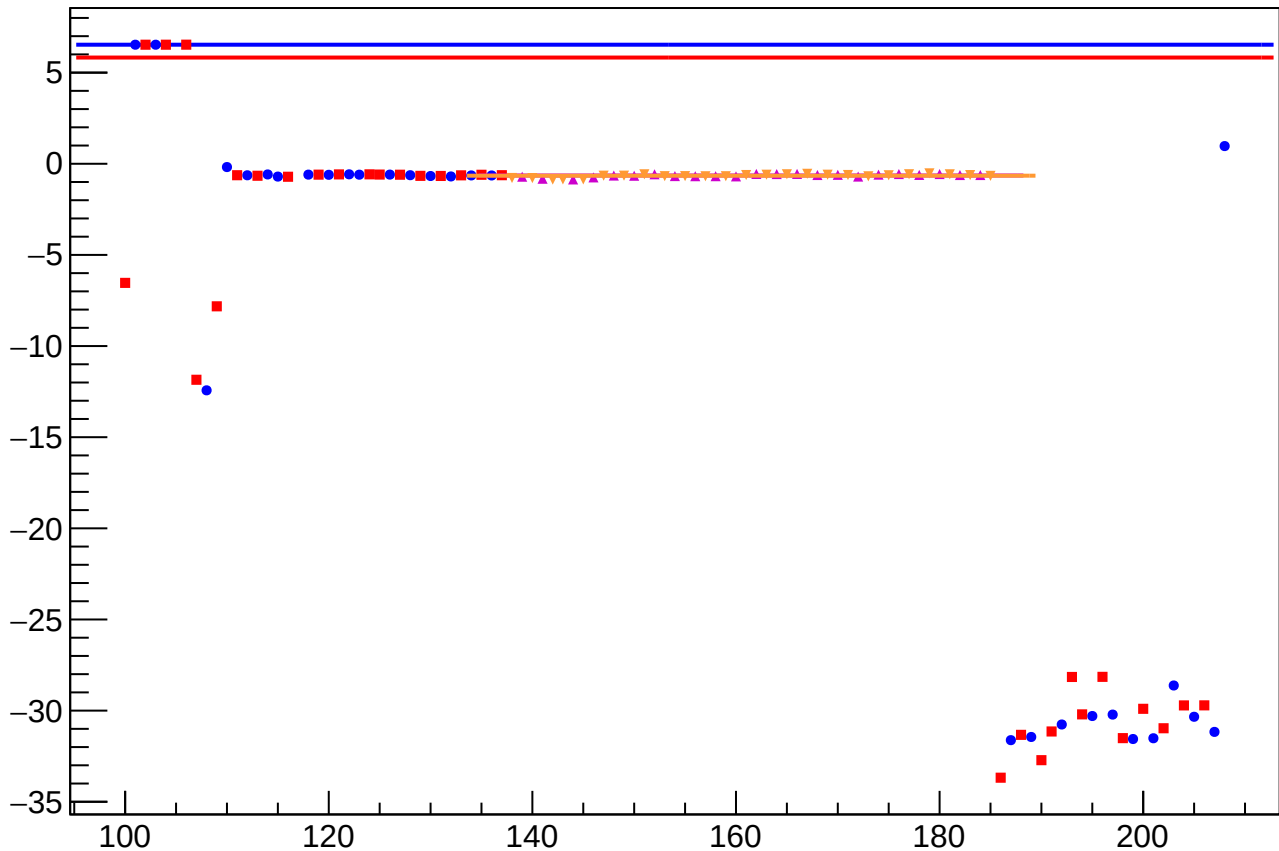
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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: 129945926099.8/27

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

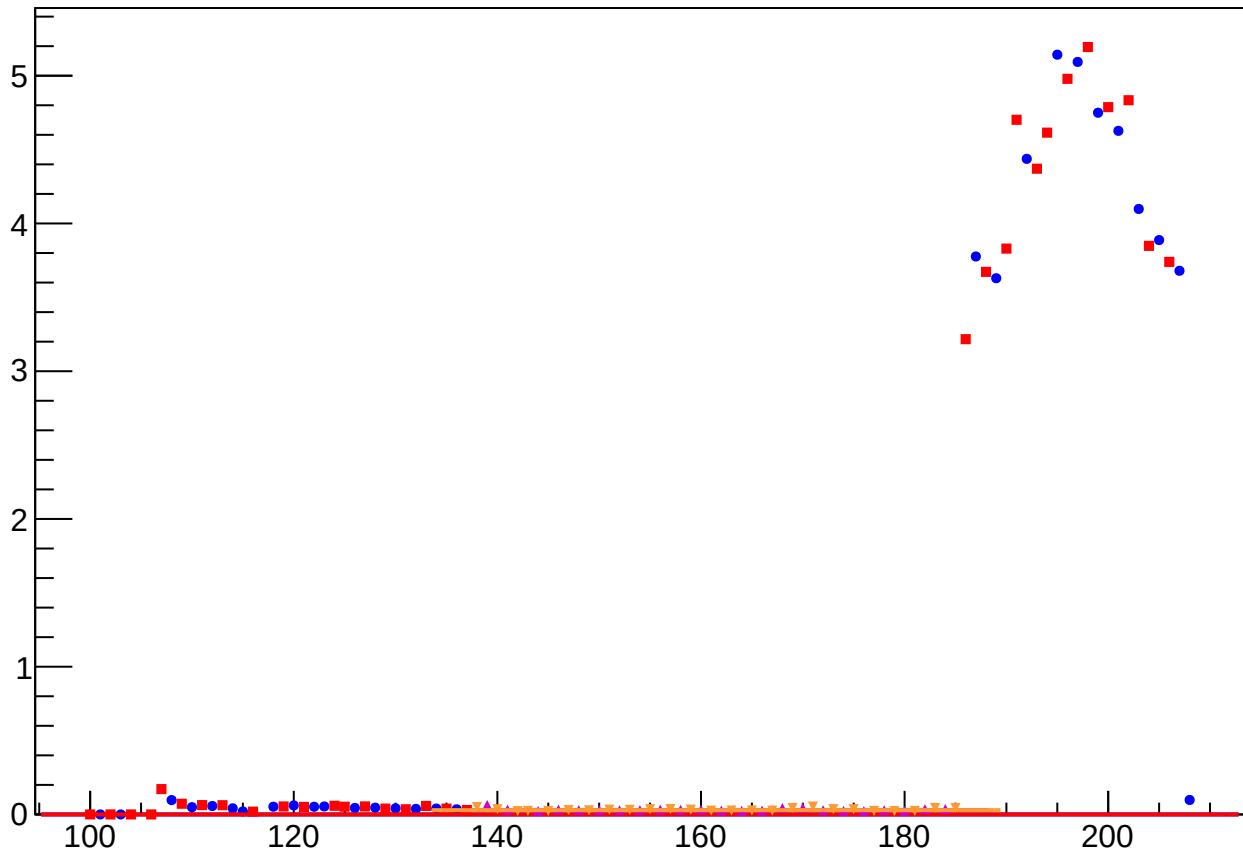
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1003784348037.4/52

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 7776295657393

- 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 : 23912627.1/27

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24905472.9/30

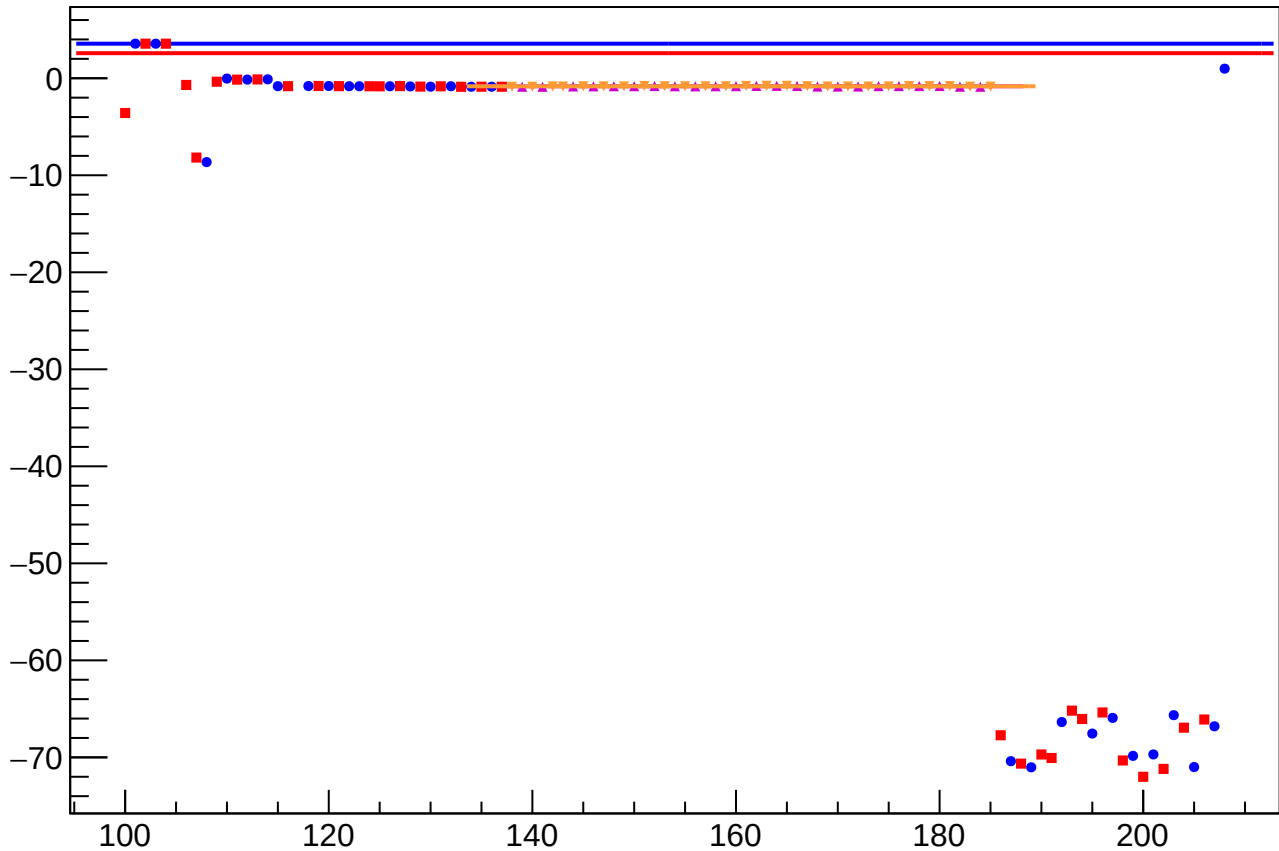
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 53876215.8/52

All: 0.000+/-0.000 χ^2/NDF : 106964222.2/106

- 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 : 525140431921.2/27

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253530529791773.5/30

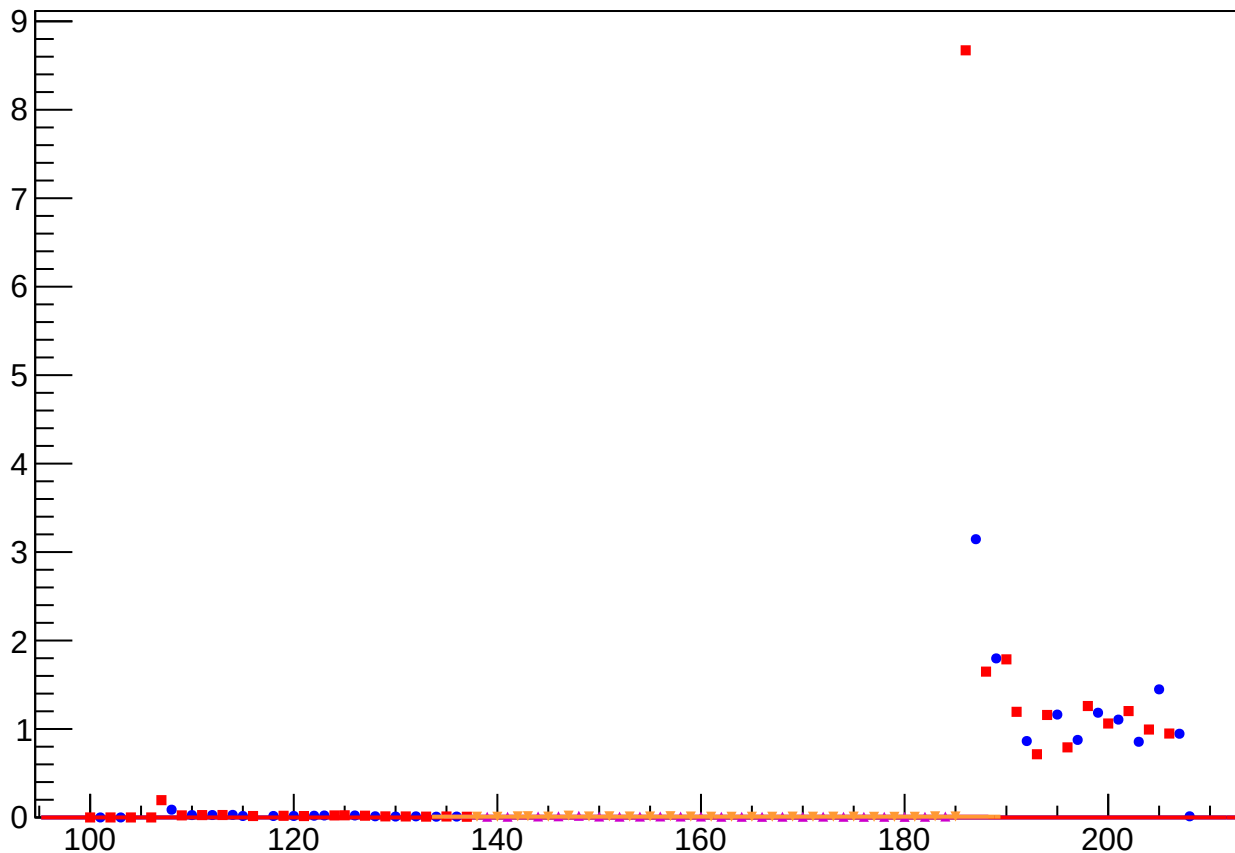
Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560+/-0.000 χ^2/NDF : 4221538591636.0/52

All: 3.038+/-0.000 χ^2/NDF : 13880445139228

- sign 2.581+/-0.000 χ^2/NDF : 1255751623192099.2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 22119527.6/27

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23048229.3/30

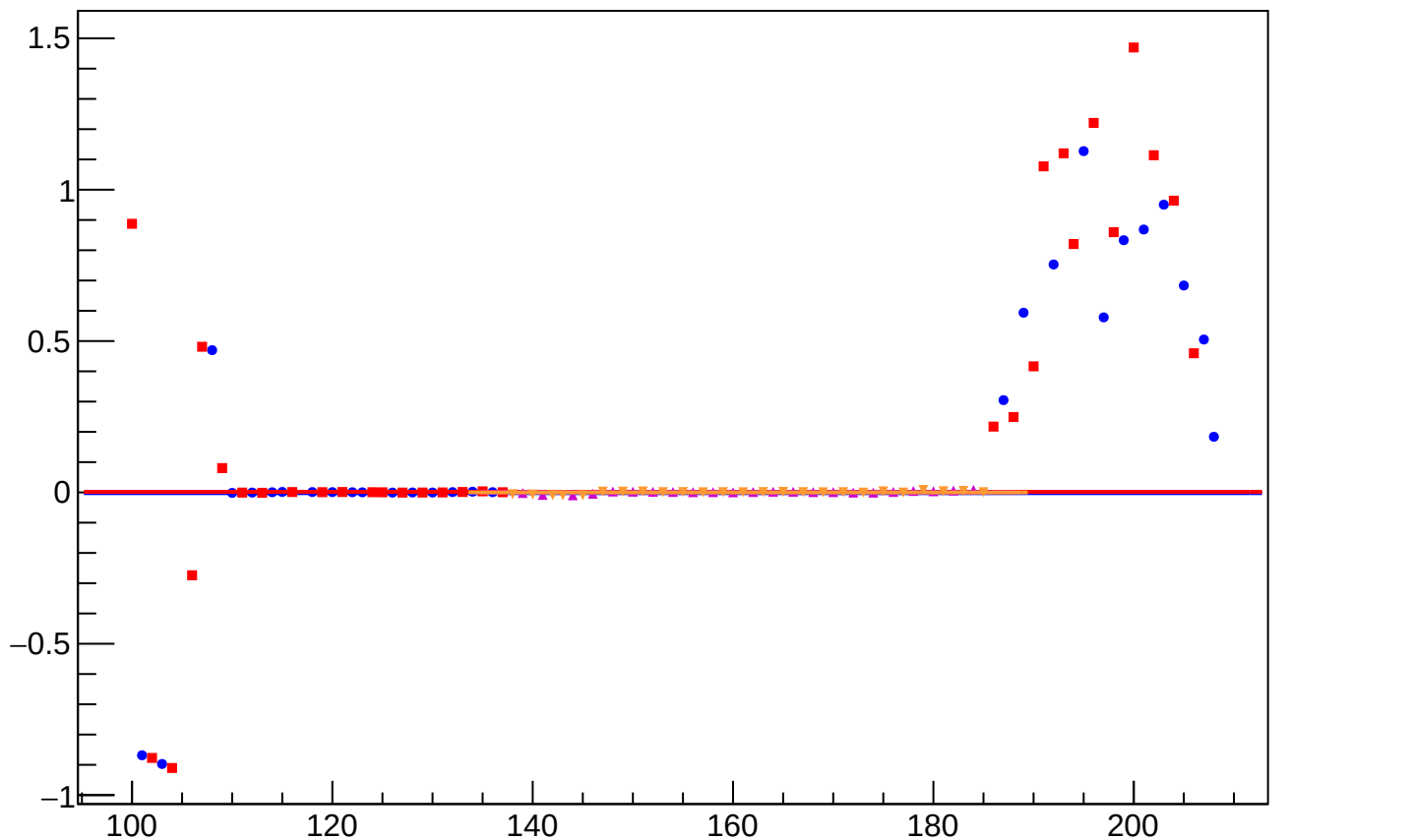
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 53626861.5/52

All: 0.000+/-0.000 χ^2/NDF : 106482921.4/106

- sign 0.000+/-0.000 χ^2/NDF : 52854820.1/53

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9796521572.0/27$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151559332.0/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3043668263.6/30$

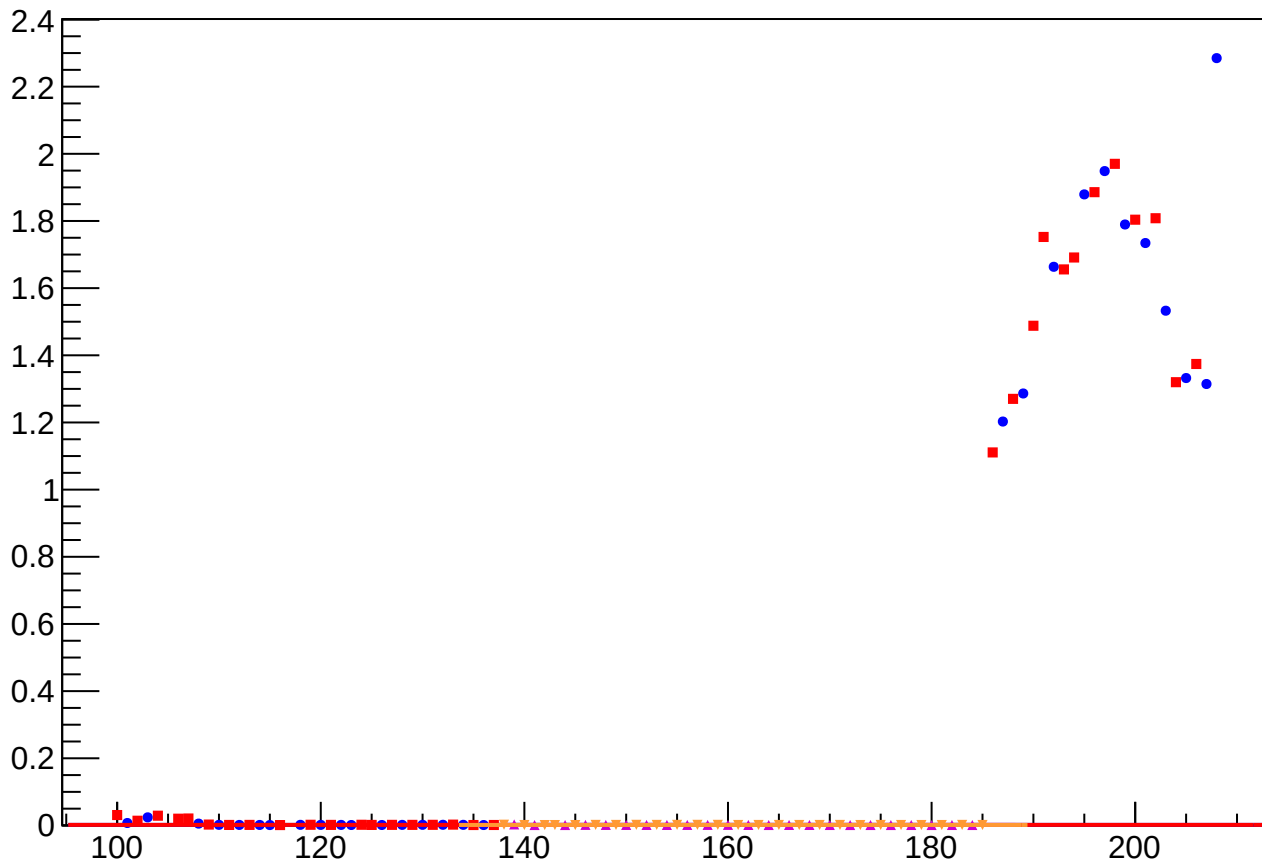
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101468517.6/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9955038753.9/52$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13109706057.1/100$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3147115820.9/53$

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 16953378.3/27

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

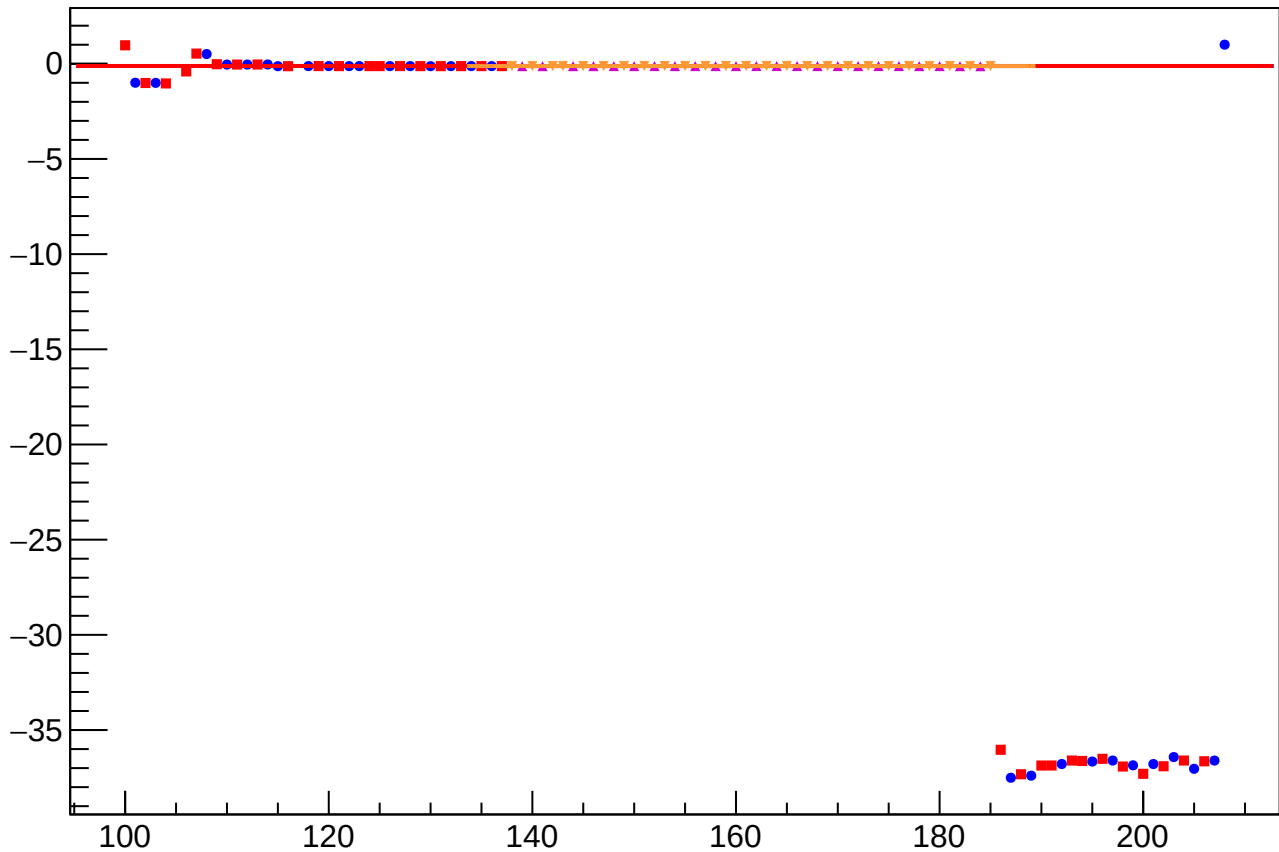
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:659543.3/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 17564193.4/52

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 36902234.5/106

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 19330158.2/53

yield_cav4cY_mean vs Slug



Right In: -0.118 ± 0.000 χ^2/NDF : 72996118780.6/27

Left Out: -0.121 ± 0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.116 ± 0.000 χ^2/NDF : 68419030463.0/30

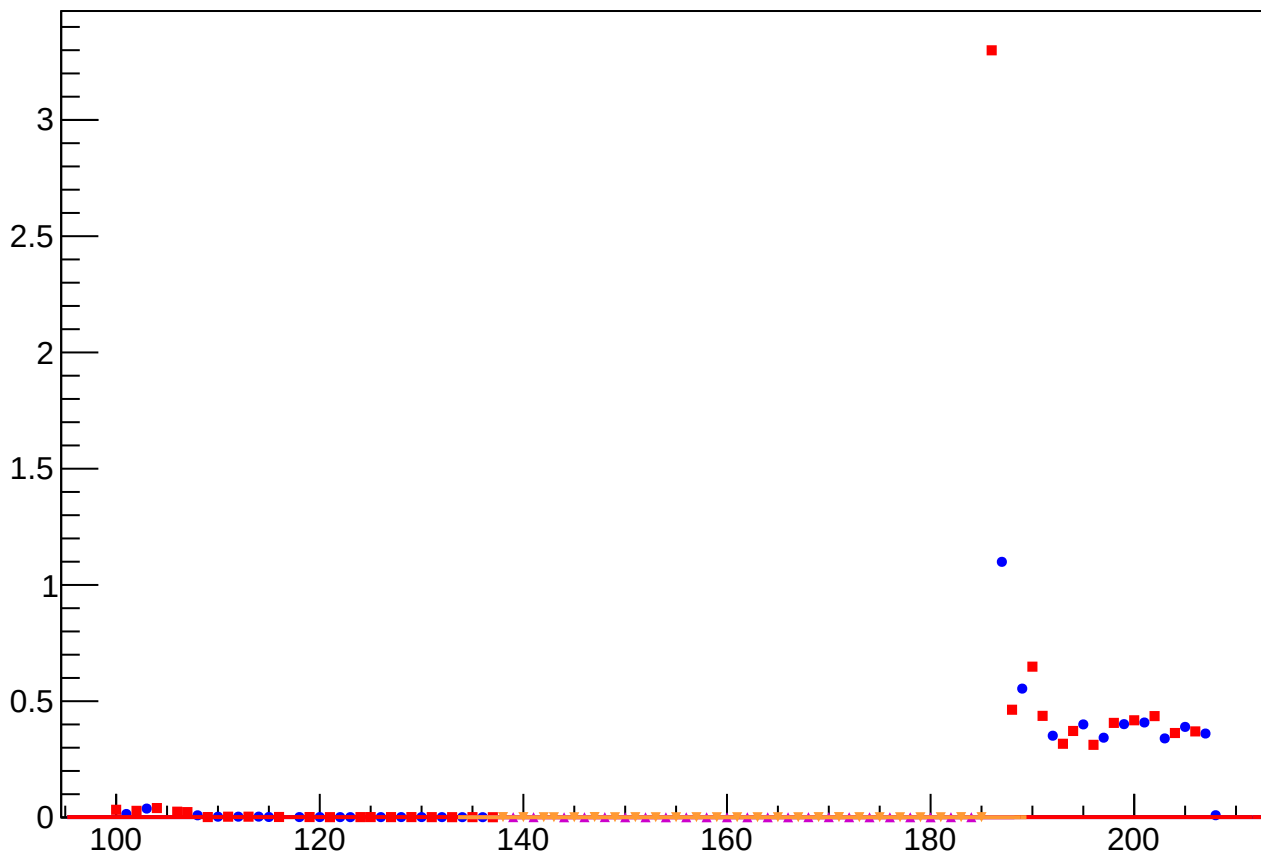
Left In: -0.121 ± 0.000 χ^2/NDF : 53134323.3/22

+ sign -0.121 ± 0.000 χ^2/NDF : 73074703699.8/52

All: -0.121 ± 0.000 χ^2/NDF : 141583230475.3

- 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 : 16935131.0/27

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 18510883.3/30

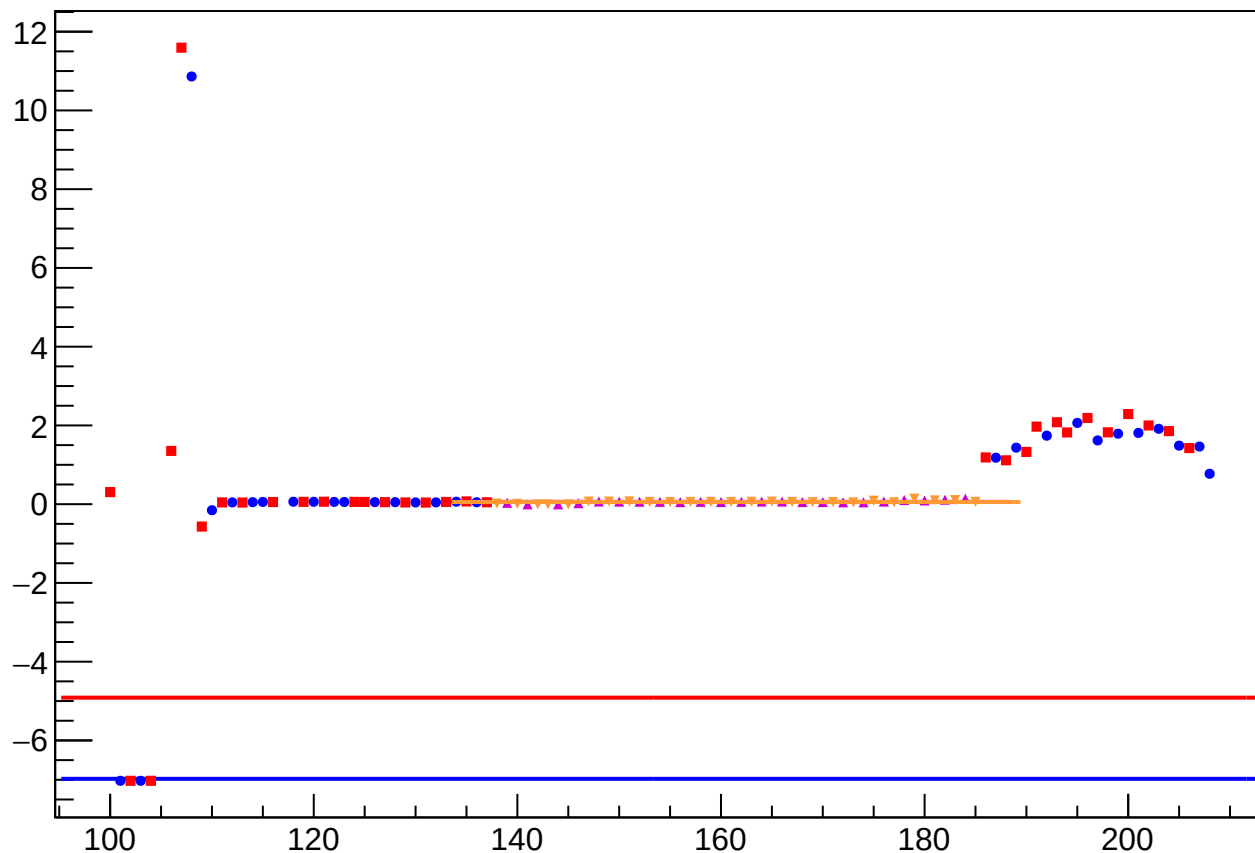
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 19598961.5/52

All: 0.001+/-0.000 χ^2/NDF : 40225394.8/106

- sign 0.001+/-0.000 χ^2/NDF : 20625295.3/53

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8762782450478.5/27$

Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243733184.3/24$

Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365348716267241.5/30$

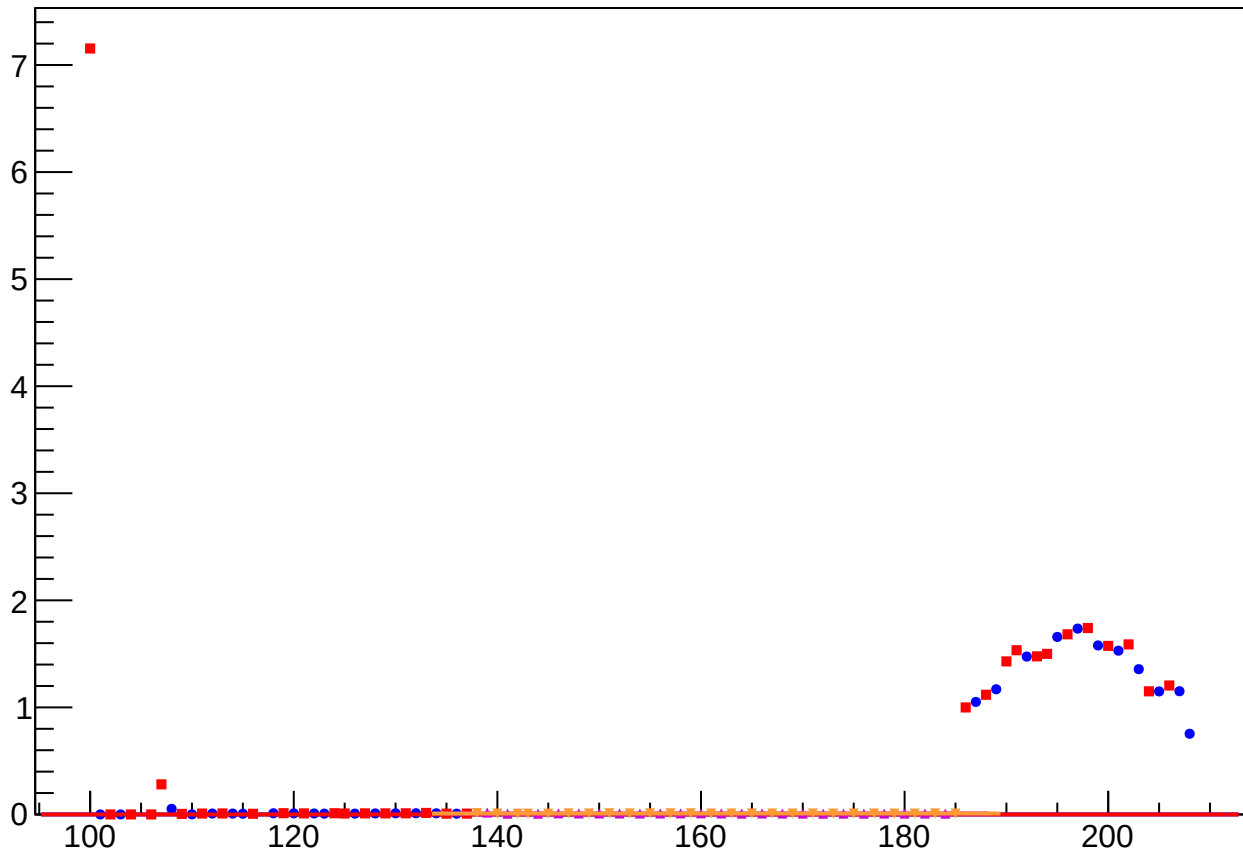
Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178713649.9/22$

+ sign -6.921 ± 0.000 $\chi^2/\text{NDF}: 18417768945292.0/27$

All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435816479181.5/27$

- sign -4.882 ± 0.000 $\chi^2/\text{NDF}: 369771006620547.4/27$

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 23284740.7/27

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24322559.4/30

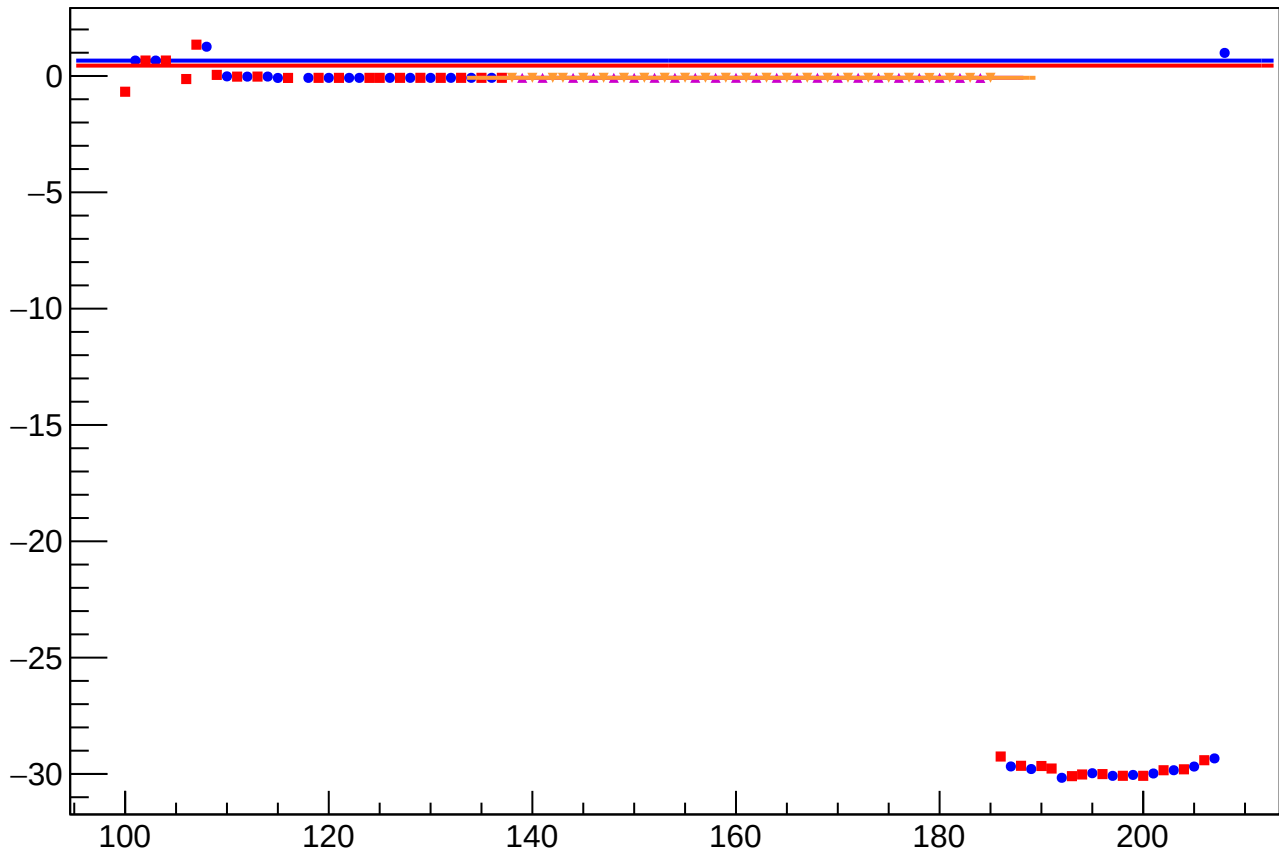
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 52271333.7/52

All: 0.000+/-0.000 χ^2/NDF : 104271776.3/106

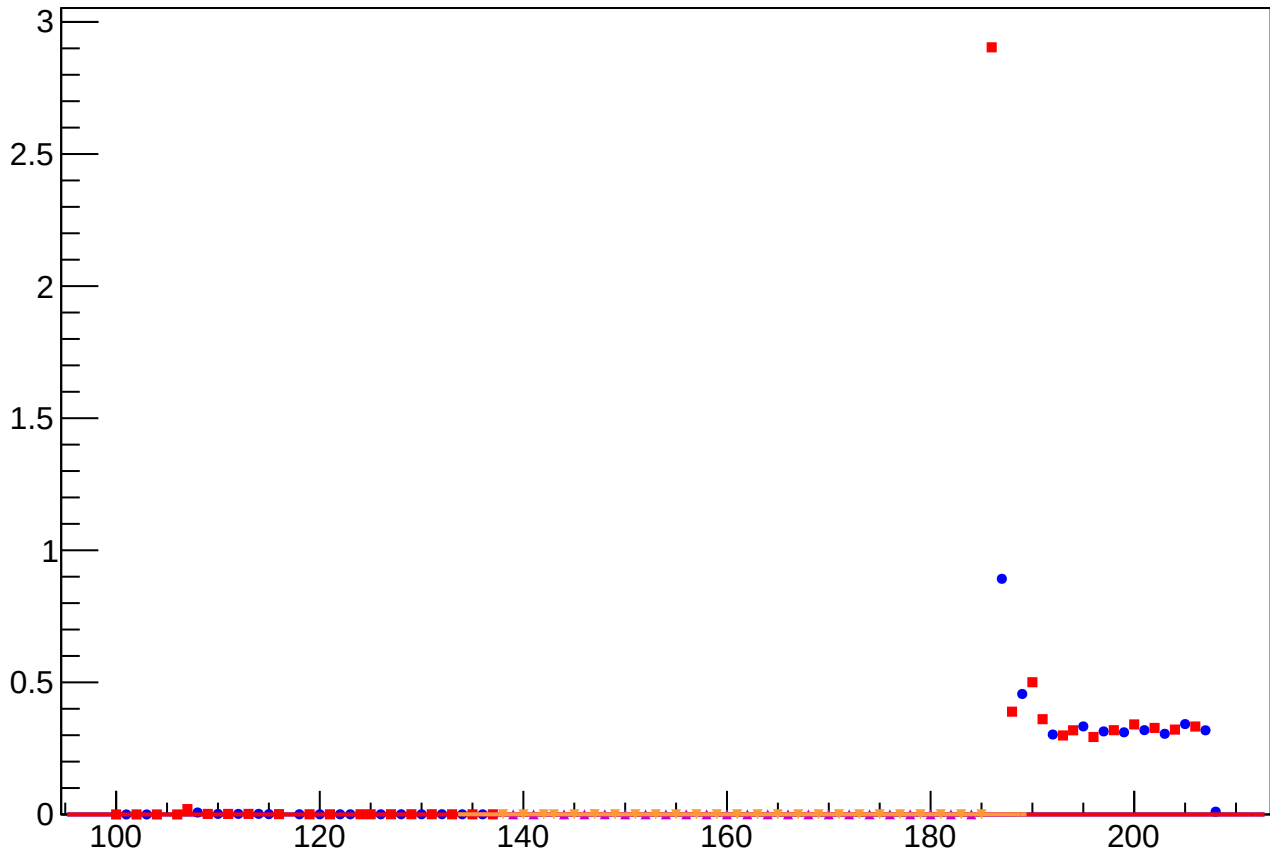
- sign 0.000+/-0.000 χ^2/NDF : 51995955.5/53

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000	χ^2/NDF : 5646341869013.6/27	+ sign 0.646+/-0.000	χ^2/NDF : 35813848995619.9/5
Left Out: -0.078+/-0.000	χ^2/NDF : 156525648.0/24	All: 0.537+/-0.000	χ^2/NDF : 51610480428757
Right Out: 0.446+/-0.000	χ^2/NDF : 405478812104000.3/30	- sign 0.437+/-0.000	χ^2/NDF : 419710326045669.3/
Left In: -0.077+/-0.000	χ^2/NDF : 111221084.5/22		

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 24715936.0/27

Left Out: 0.001+/-0.000 χ^2/NDF :466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24866208.1/30

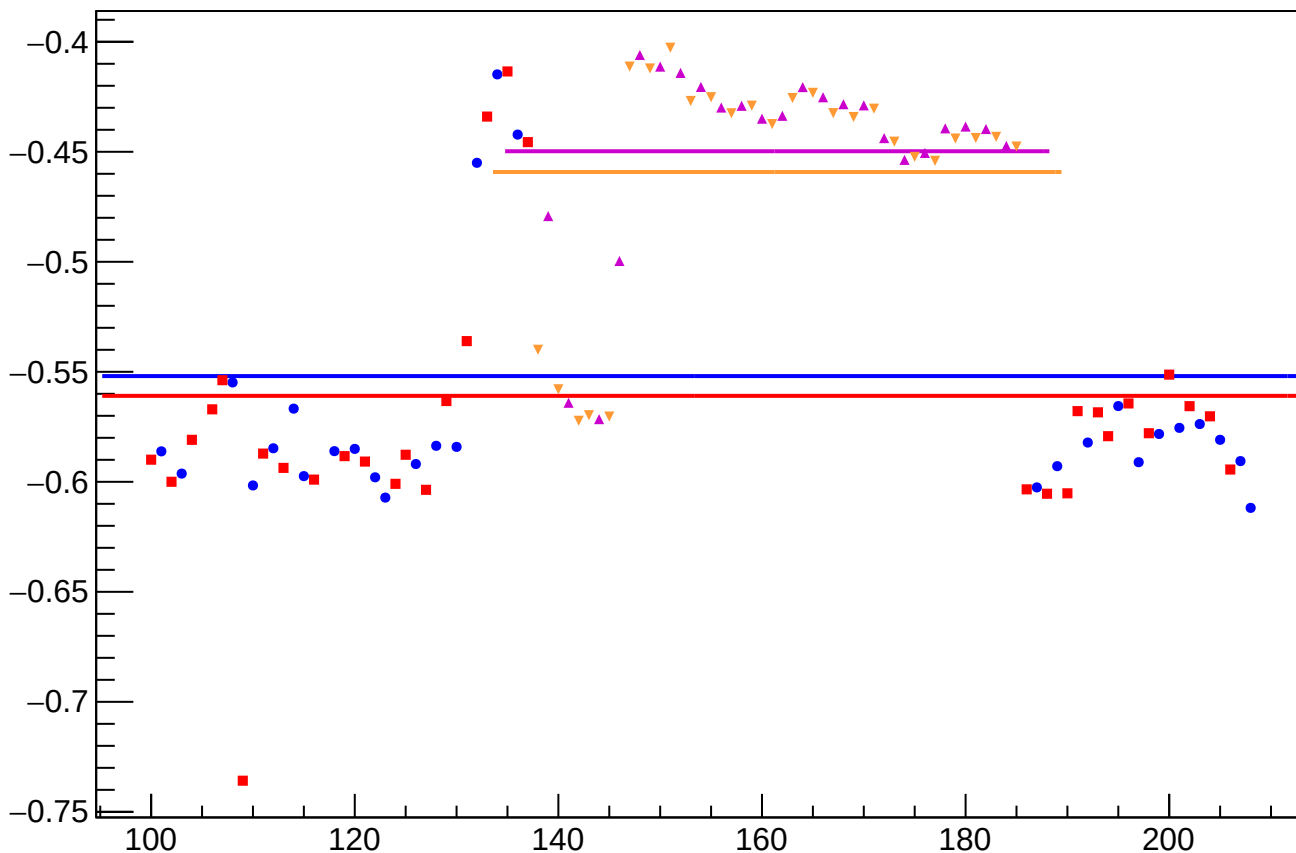
Left In: 0.001+/-0.000 χ^2/NDF :355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 57362165.6/52

All: 0.000+/-0.000 χ^2/NDF : 113272053.0/106

- sign 0.000+/-0.000 χ^2/NDF : 55902554.9/53

yield_bpm4aX_mean vs Slug



Right In: -0.552 ± 0.000 χ^2/NDF : 49442449.1/27

Left Out: -0.459 ± 0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.561 ± 0.000 χ^2/NDF : 65637300.0/30

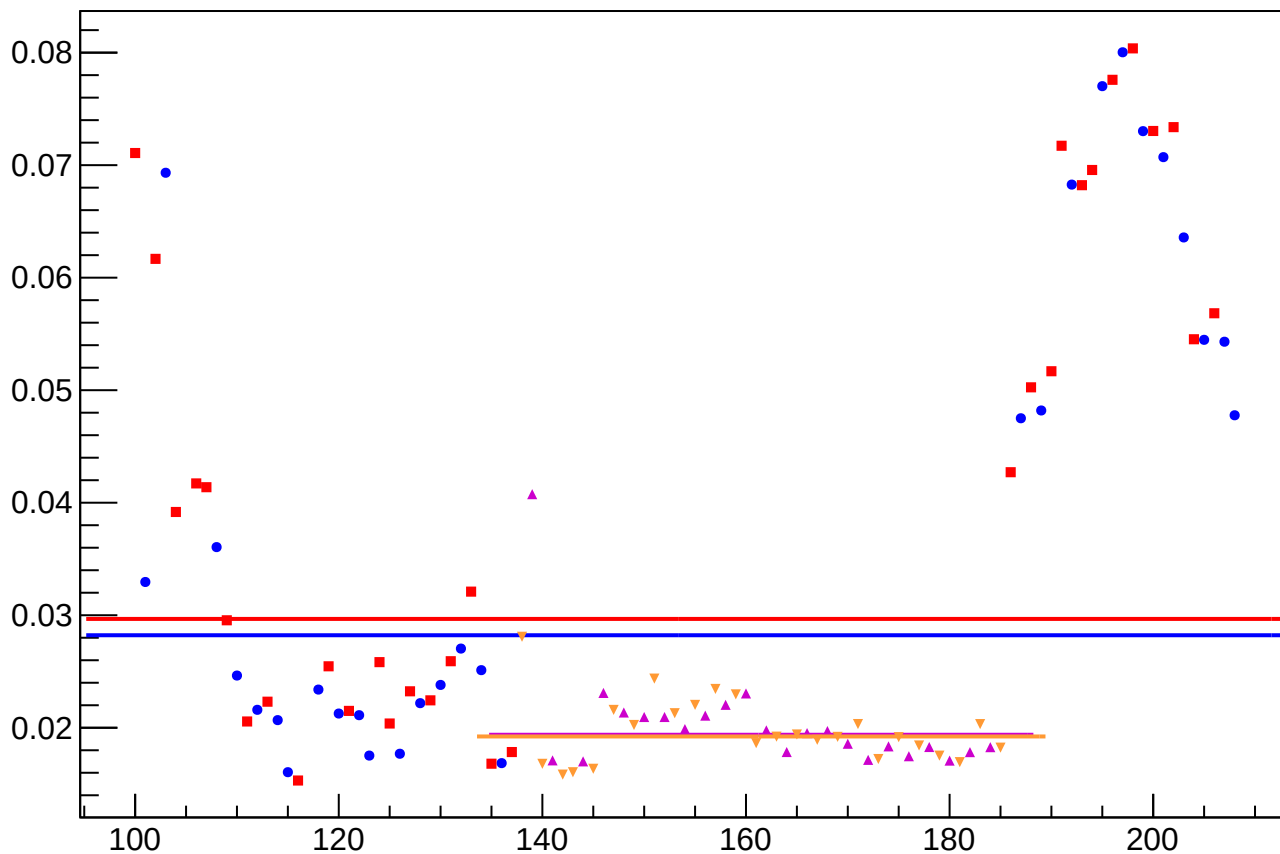
Left In: -0.450 ± 0.000 χ^2/NDF : 76151485.7/22

+ sign -0.481 ± 0.000 χ^2/NDF : 244566184.9/52

All: -0.479 ± 0.000 χ^2/NDF : 498127792.8/10

- sign -0.477 ± 0.000 χ^2/NDF : 253053358.7/53

yield_bpm4aX_rms vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6415856.3/27

Left Out: 0.019+/-0.000 χ^2/NDF :501253.7/24

Right Out: 0.030+/-0.000 χ^2/NDF : 6452183.2/30

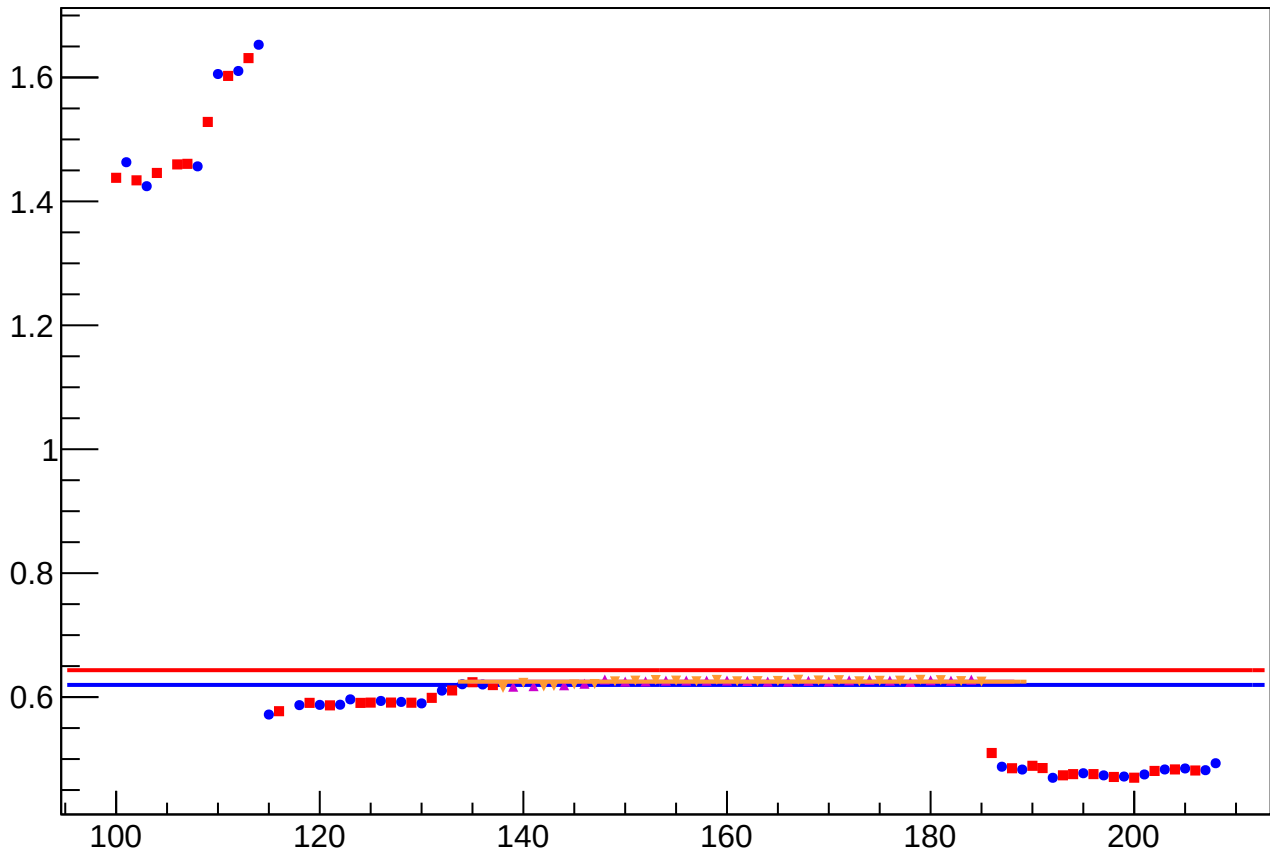
Left In: 0.019+/-0.000 χ^2/NDF :656155.9/22

+ sign 0.021+/-0.000 χ^2/NDF : 8446908.8/52

All: 0.022+/-0.000 χ^2/NDF : 17477038.3/106

- sign 0.022+/-0.000 χ^2/NDF : 9016571.7/53

yield_bpm4aY_mean vs Slug



Right In: 0.620+/-0.000 χ^2/NDF : 5075128173.9/27

Left Out: 0.625+/-0.000 χ^2/NDF :1442225.6/24

Right Out: 0.643+/-0.000 χ^2/NDF : 6048627339.8/30

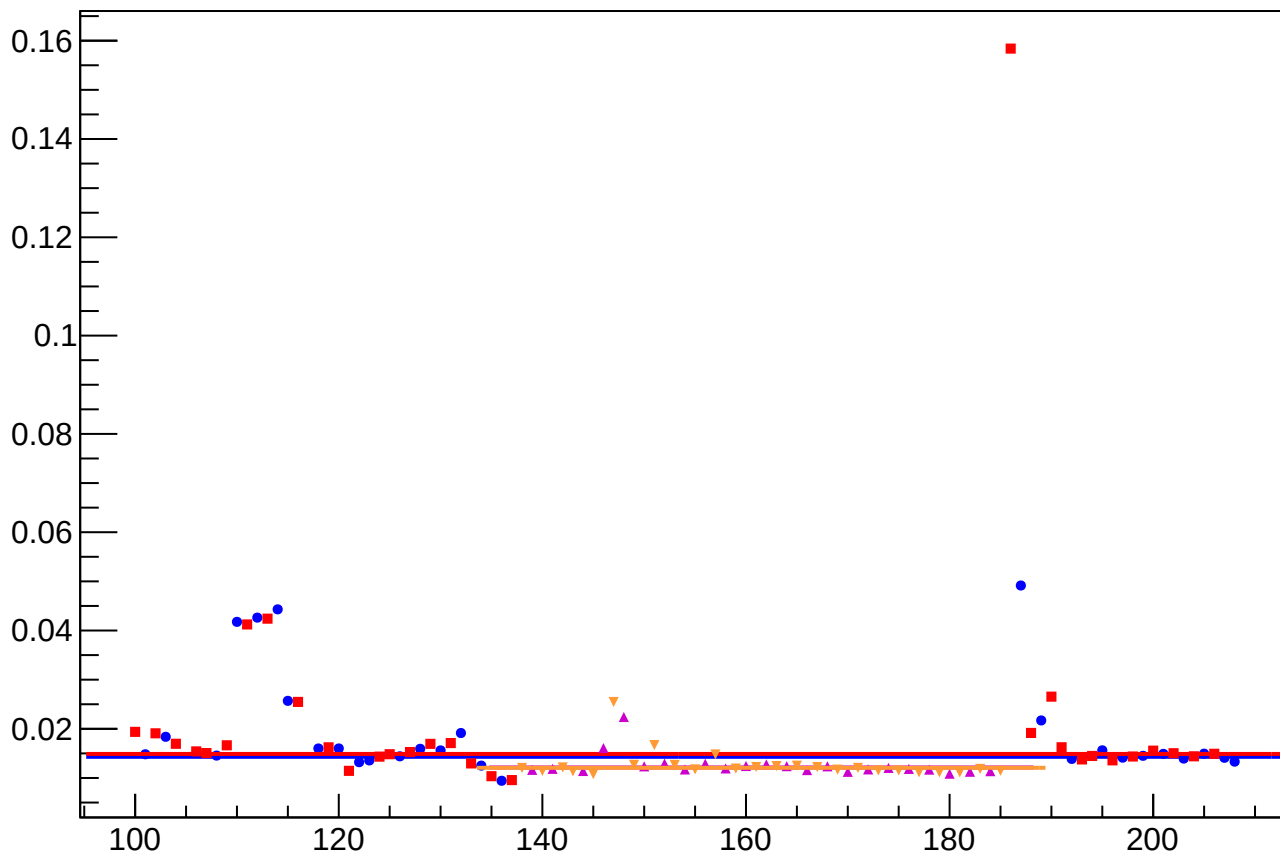
Left In: 0.625+/-0.000 χ^2/NDF :1135039.4/22

+ sign 0.623+/-0.000 χ^2/NDF : 5077717133.6/52

All: 0.627+/-0.000 χ^2/NDF : 11146932371.8/100

- 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: 1652688.8/27

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

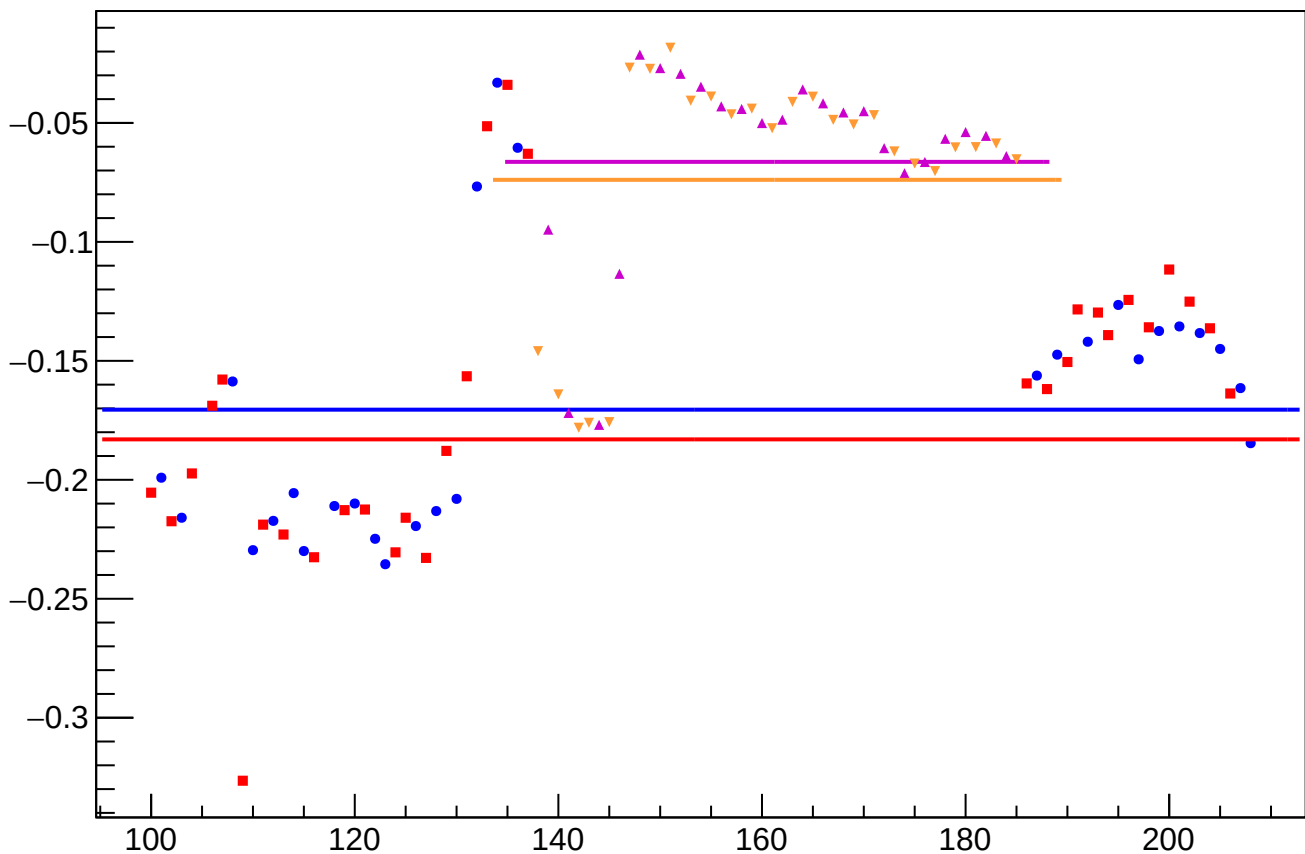
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2724998.0/52

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5892679.0/106

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3156972.7/53

yield_bpm4eX_mean vs Slug



Right In: -0.171 ± 0.000 χ^2/NDF : 68452692.6/27

Left Out: -0.074 ± 0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.183 ± 0.000 χ^2/NDF : 85890993.6/30

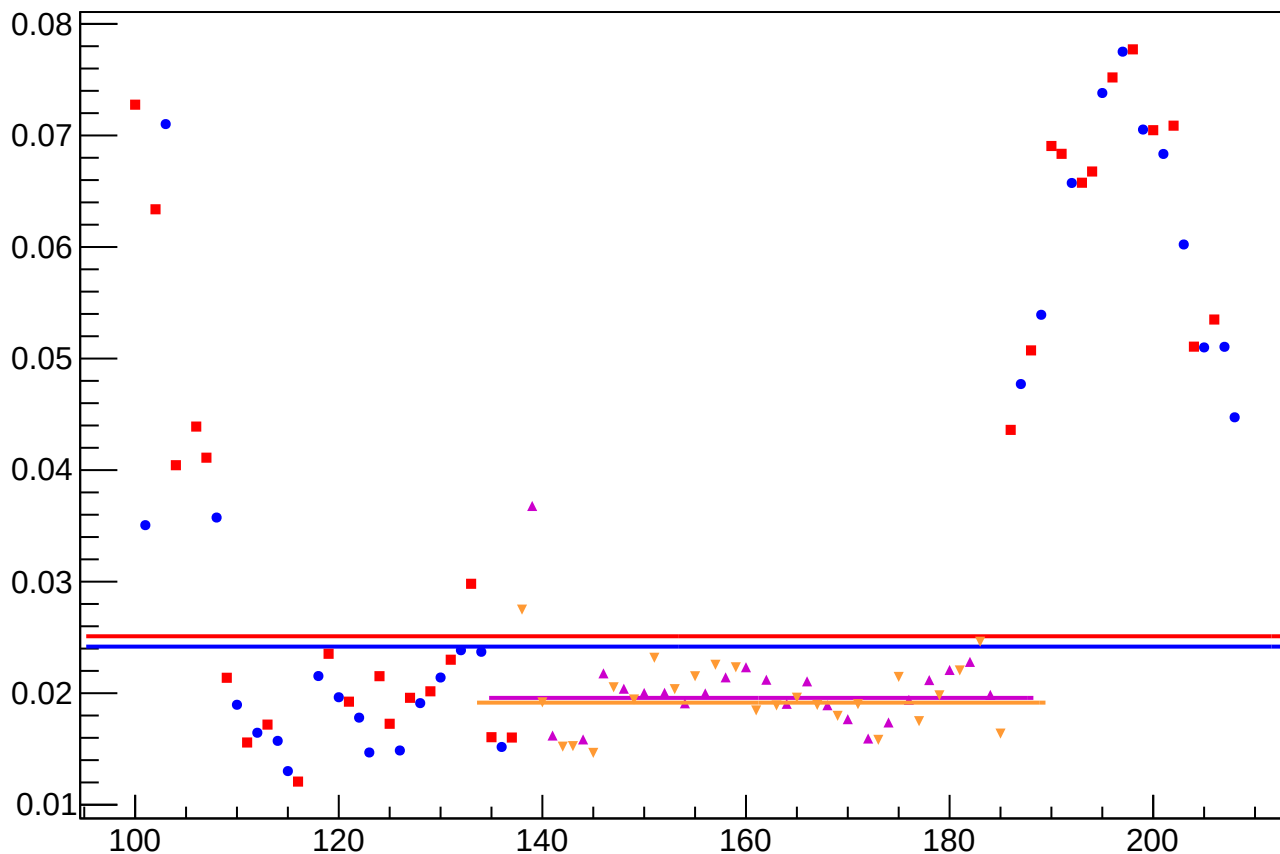
Left In: -0.066 ± 0.000 χ^2/NDF : 76283954.4/22

+ sign -0.101 ± 0.000 χ^2/NDF : 283657800.7/52

All: -0.101 ± 0.000 χ^2/NDF : 594946486.5/10

- 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: 7486466.9/27

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

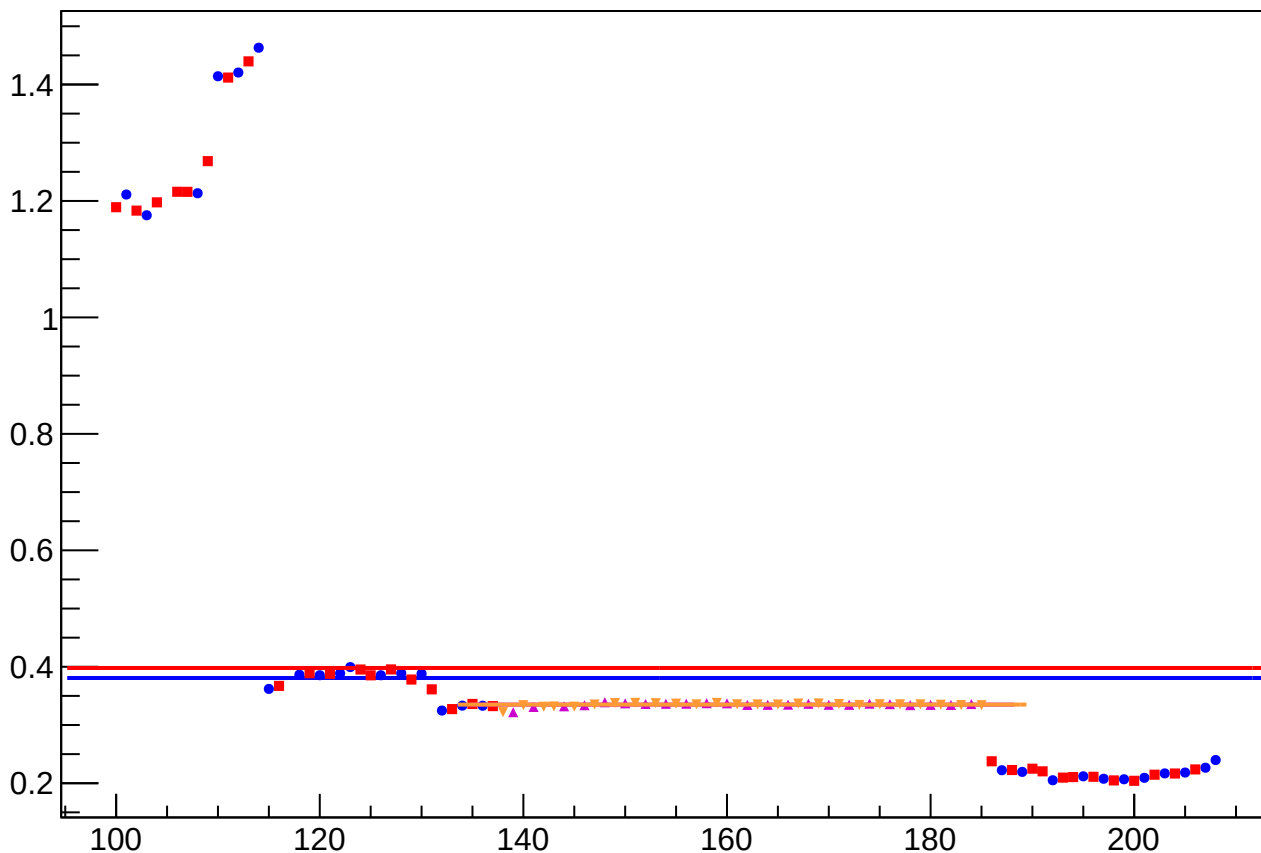
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8707794.3/52

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 17890689.2/106

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9160381.5/53

yield_bpm4eY_mean vs Slug



Right In: 0.381+/-0.000 χ^2/NDF : 7494898293.9/27

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.398+/-0.000 χ^2/NDF : 8528404288.5/30

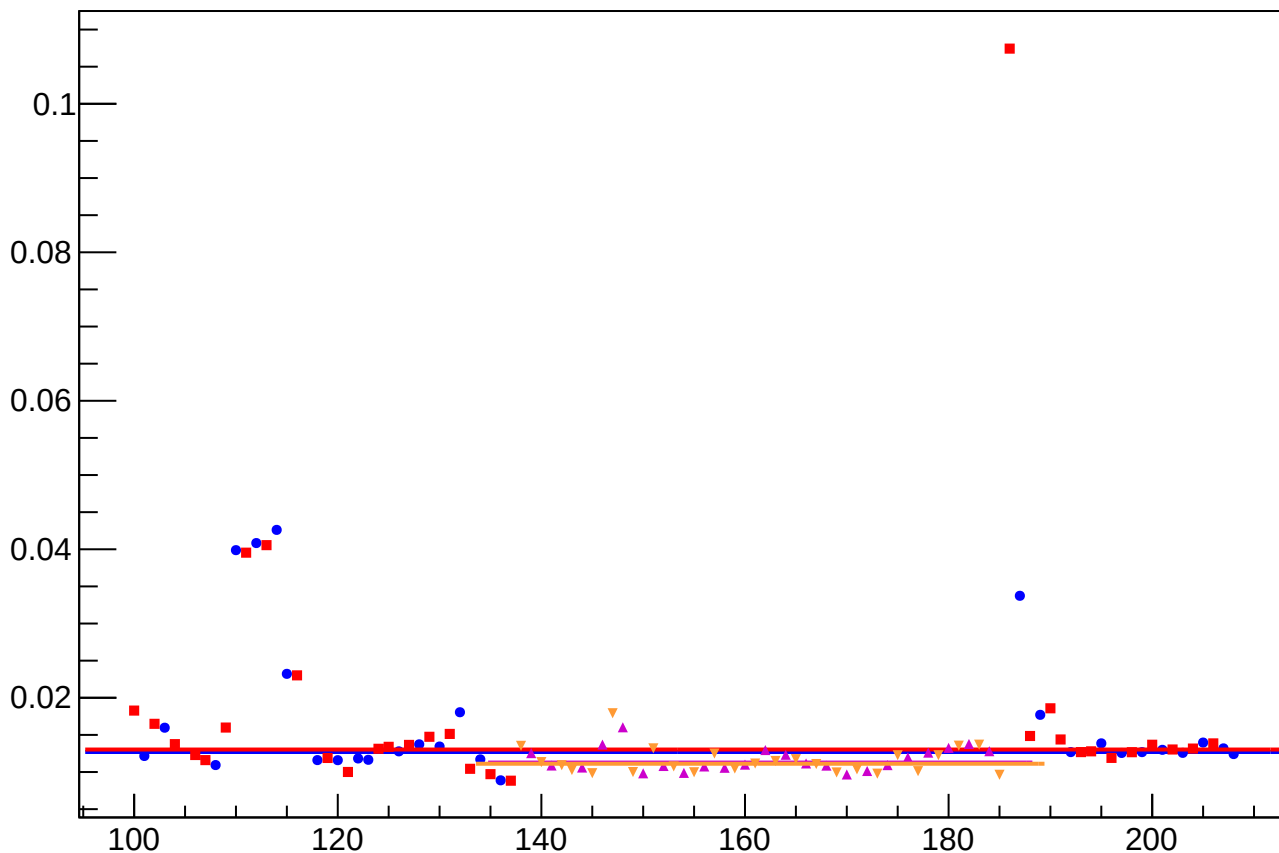
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.352+/-0.000 χ^2/NDF : 7602762185.8/52

All: 0.355+/-0.000 χ^2/NDF : 16331183721.5/100

- 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 : 1527100.0/27

Left Out: 0.011+/-0.000 χ^2/NDF : 608235.7/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1940293.0/30

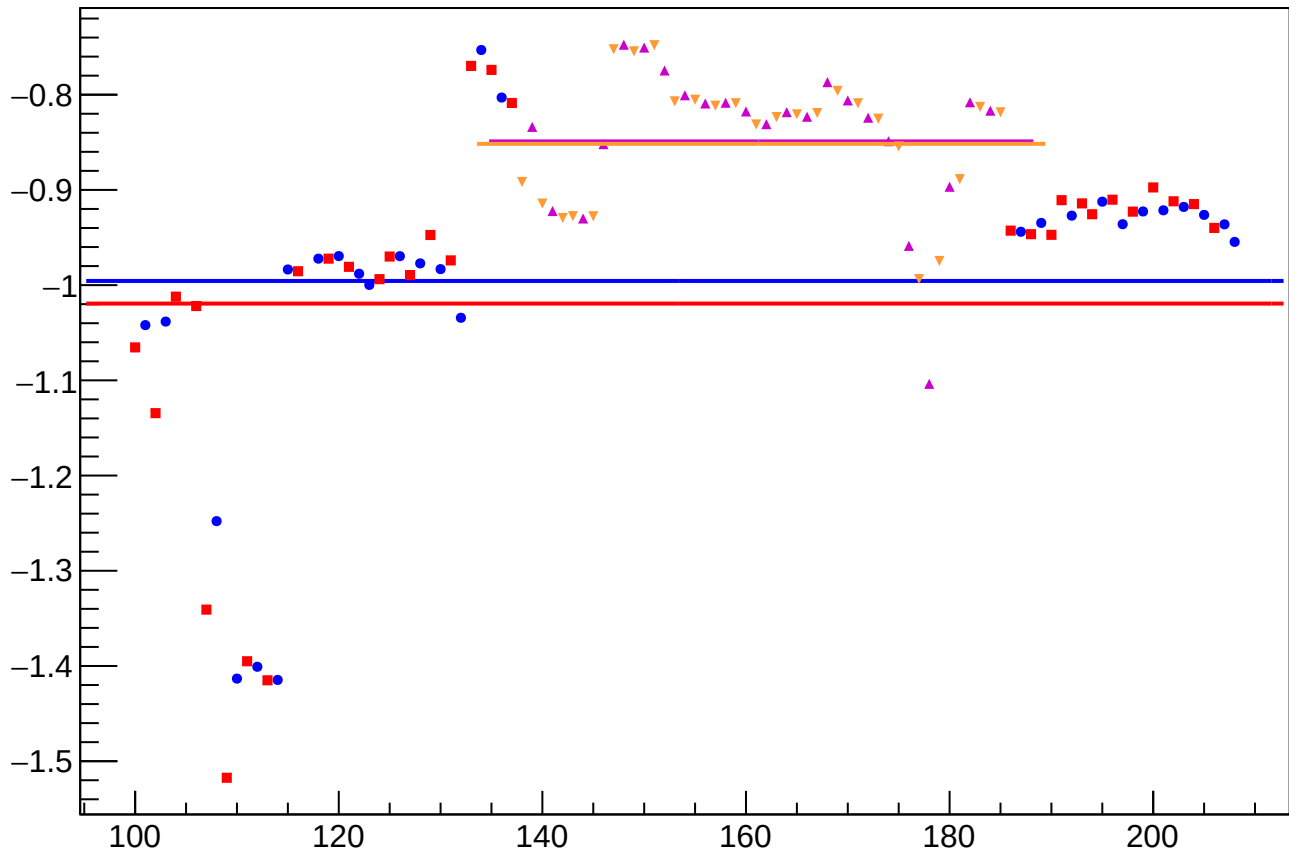
Left In: 0.011+/-0.000 χ^2/NDF : 502226.7/22

+ sign 0.012+/-0.000 χ^2/NDF : 2391693.1/52

All: 0.012+/-0.000 χ^2/NDF : 5148119.5/106

- sign 0.012+/-0.000 χ^2/NDF : 2743799.1/53

yield_bpm4acX_mean vs Slug



Right In: -0.996+/-0.000 χ^2 /NDF: 403814201.8/27

Left Out: -0.852+/-0.000 χ^2 /NDF:189276591.7/24

Right Out: -1.019+/-0.000 χ^2 /NDF: 556834044.4/30

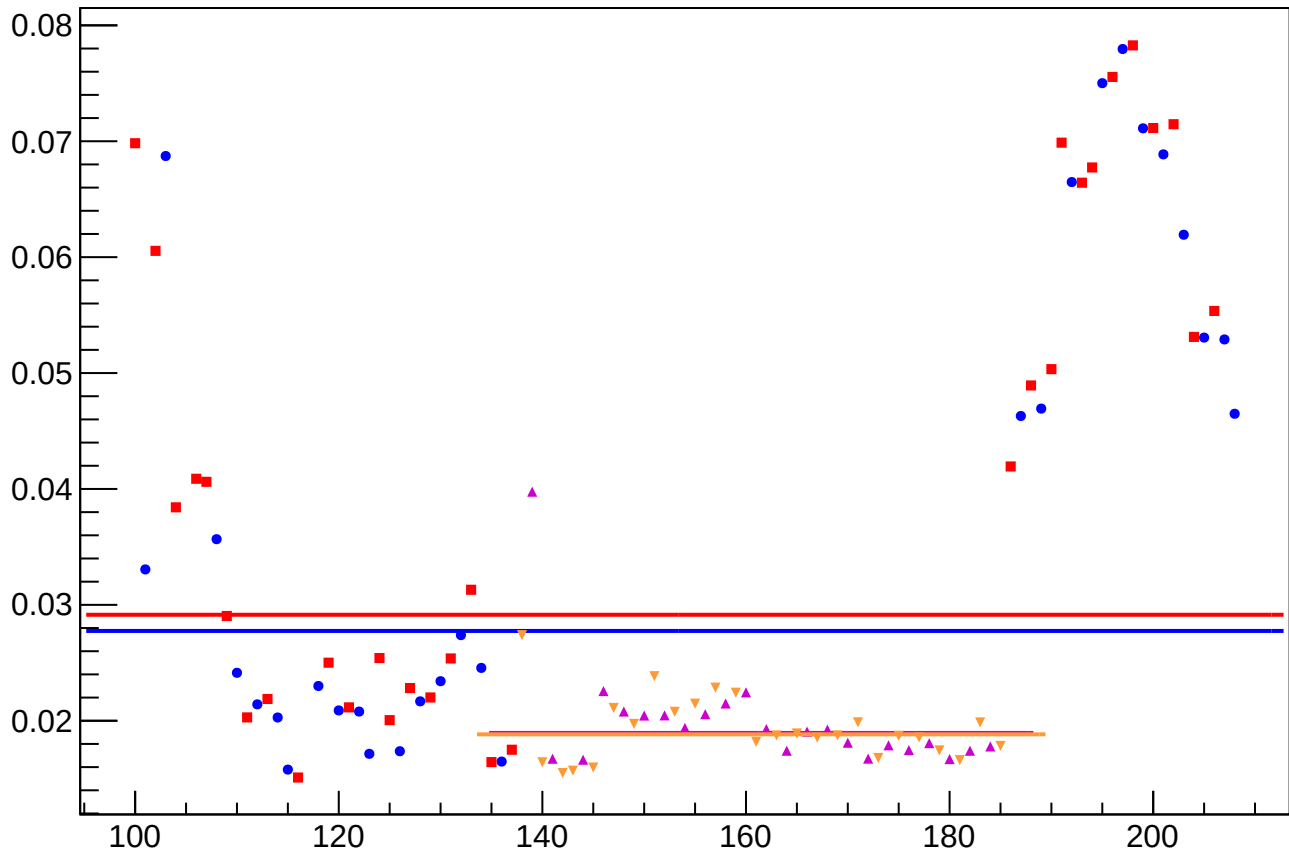
Left In: -0.849+/-0.000 χ^2 /NDF:256438306.8/22

+ sign -0.885+/-0.000 χ^2 /NDF: 796437541.2/52

All: -0.887+/-0.000 χ^2 /NDF: 1881893024.1/1

- sign -0.890+/-0.000 χ^2 /NDF: 1084921910.1/53

yield_bpm4acX_rms vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6373846.8/27

Left Out: 0.019+/-0.000 χ^2/NDF : 490084.5/24

Right Out: 0.029+/-0.000 χ^2/NDF : 6388586.4/30

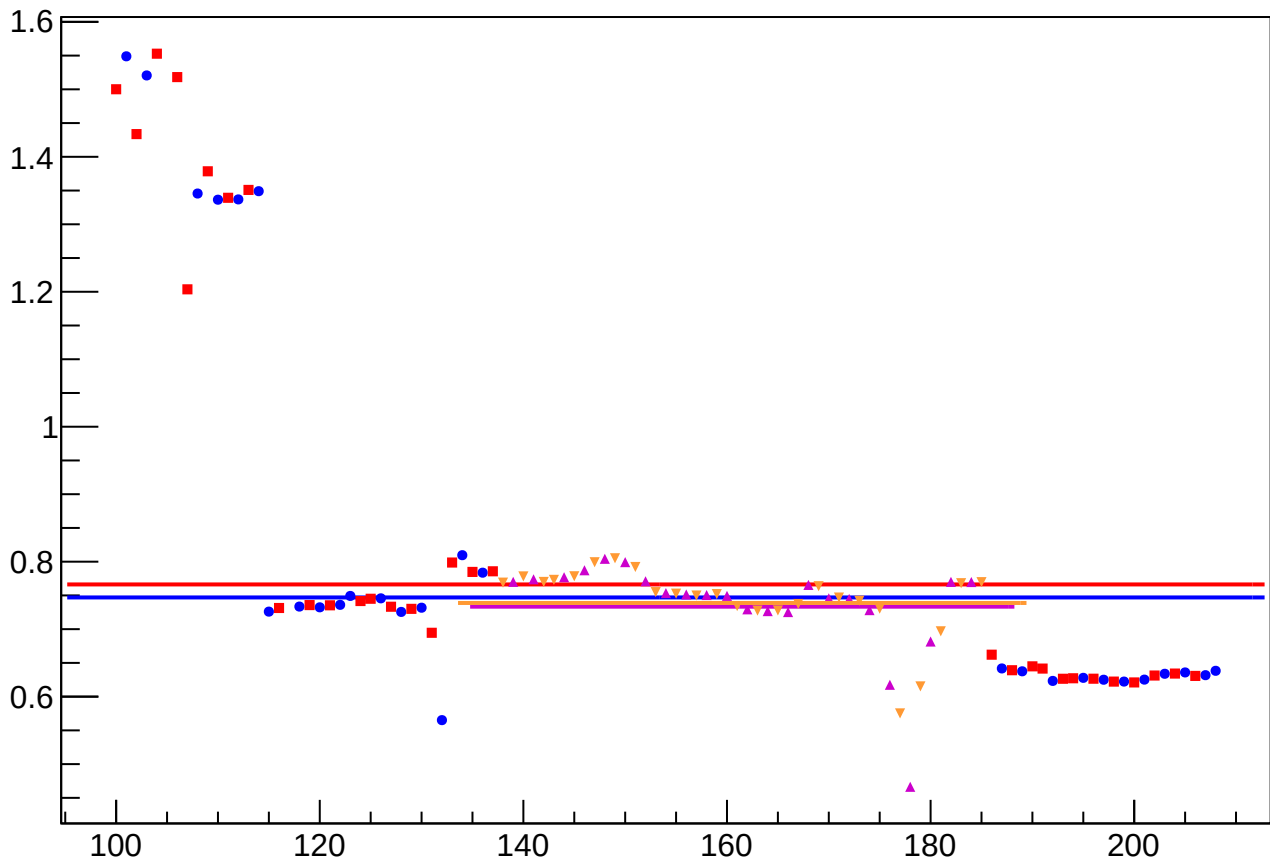
Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

+ sign 0.021+/-0.000 χ^2/NDF : 8425778.5/52

All: 0.021+/-0.000 χ^2/NDF : 17418037.4/106

- sign 0.021+/-0.000 χ^2/NDF : 8980345.8/53

yield_bpm4acY_mean vs Slug



Right In: 0.747 $\pm$ 0.000 χ^2 /NDF: 3481182963.9/27

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

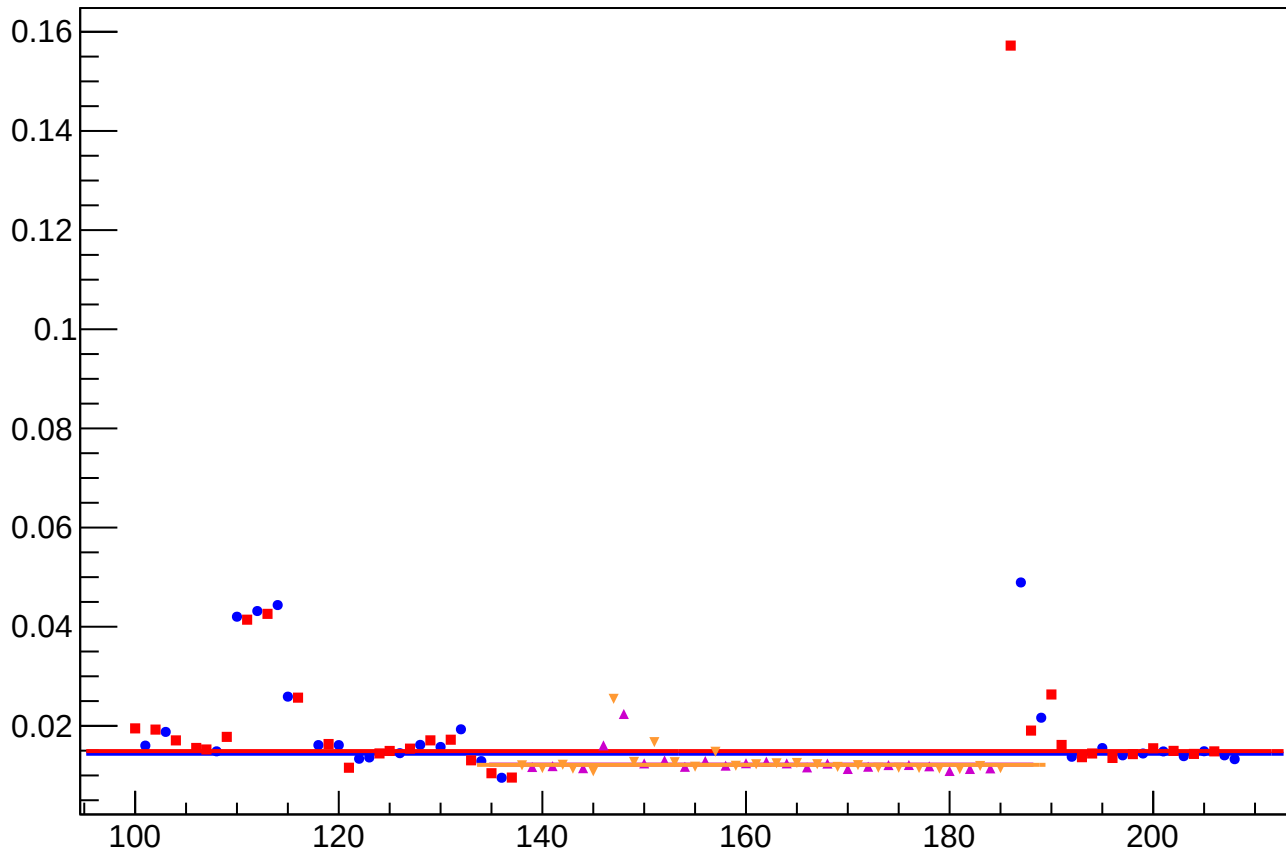
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

+ sign 0.742 $\pm$ 0.000 χ^2 /NDF: 3817011270.2/52

All: 0.743 $\pm$ 0.000 χ^2 /NDF: 8191267541.3/10

- 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: 1655373.0/27

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

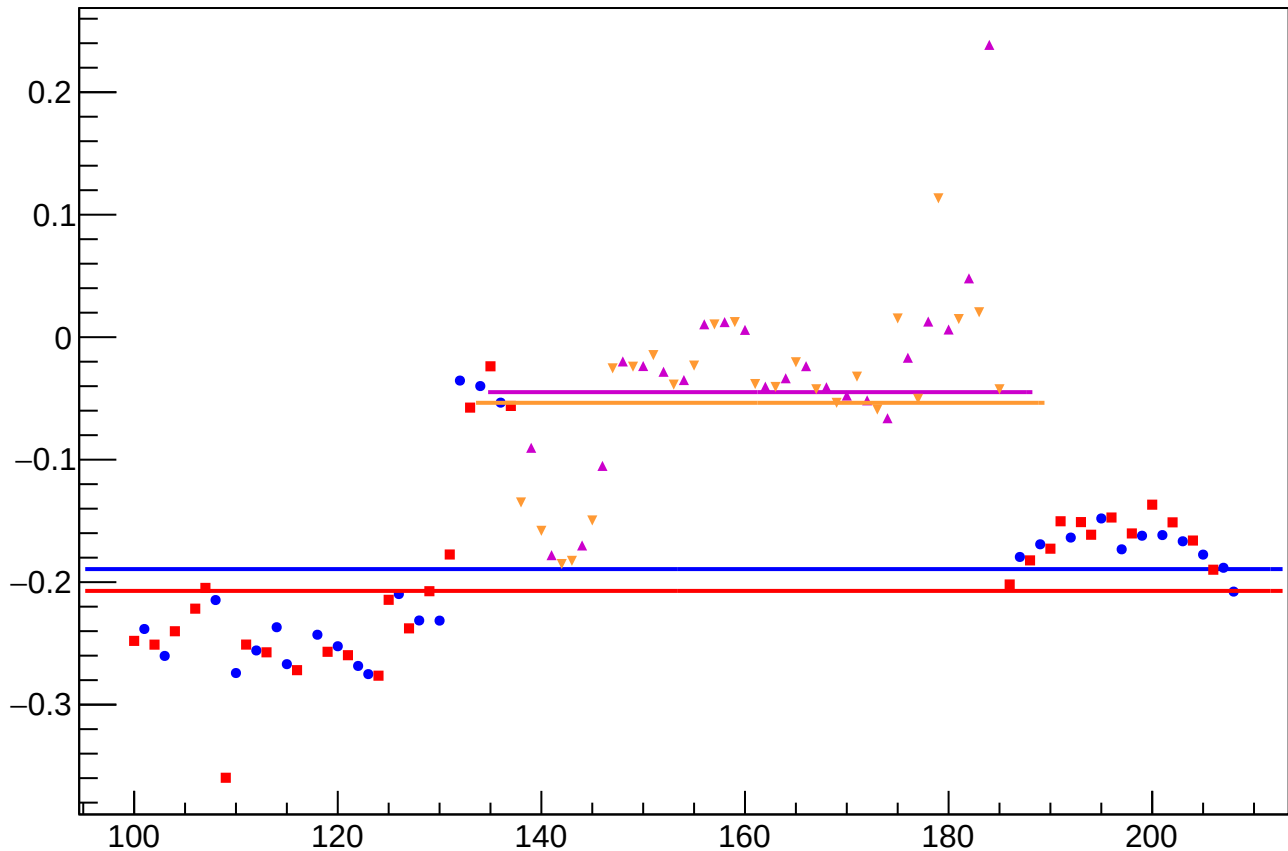
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2703579.1/52

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5851256.0/106

- 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 : 106978323.3/27

Left Out: -0.054+/-0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.207+/-0.000 χ^2/NDF : 113821170.2/30

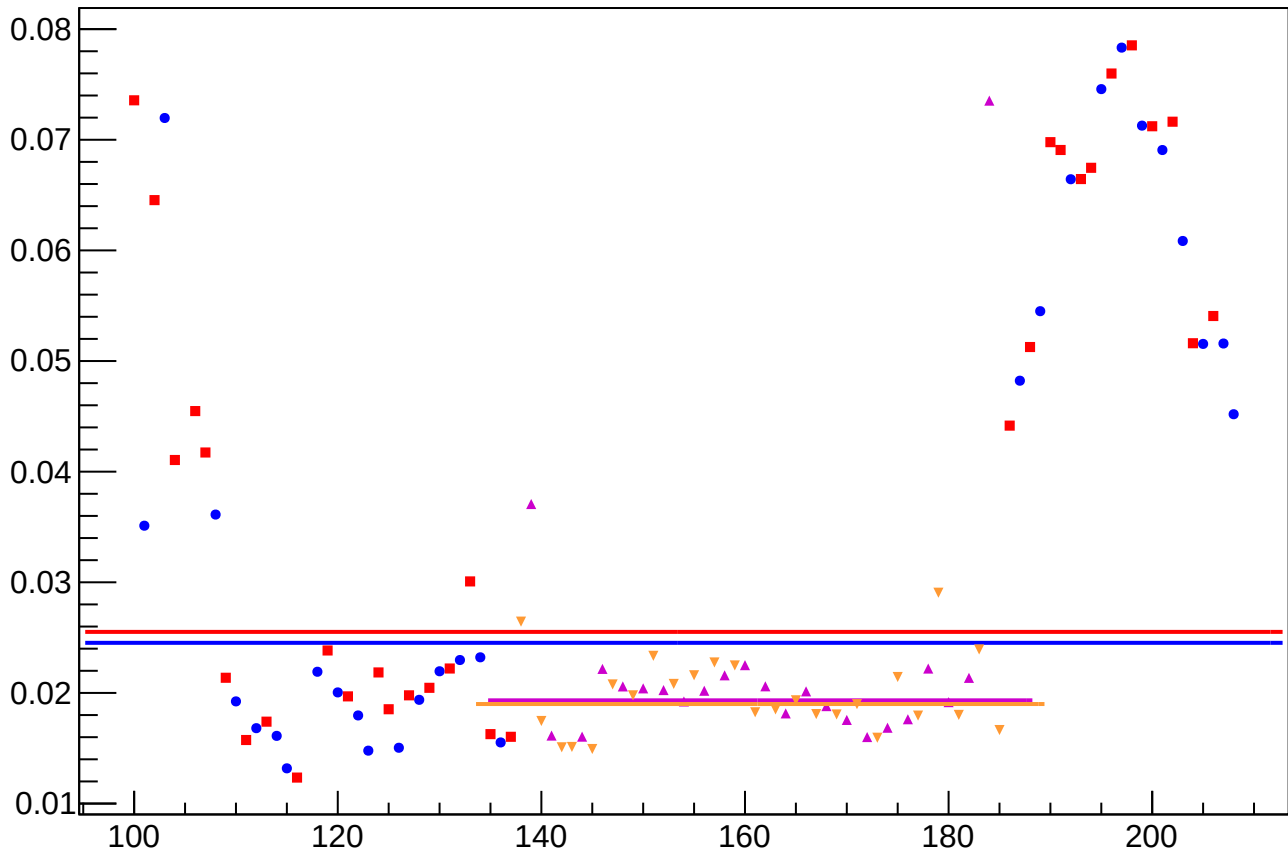
Left In: -0.045+/-0.000 χ^2/NDF : 127324000.1/22

+ sign -0.091+/-0.000 χ^2/NDF : 481928377.4/52

All: -0.091+/-0.000 χ^2/NDF : 1004956126.0/1

- sign -0.091+/-0.000 χ^2/NDF : 523025951.4/53

yield_bpm4ecX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 7430488.2/27

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

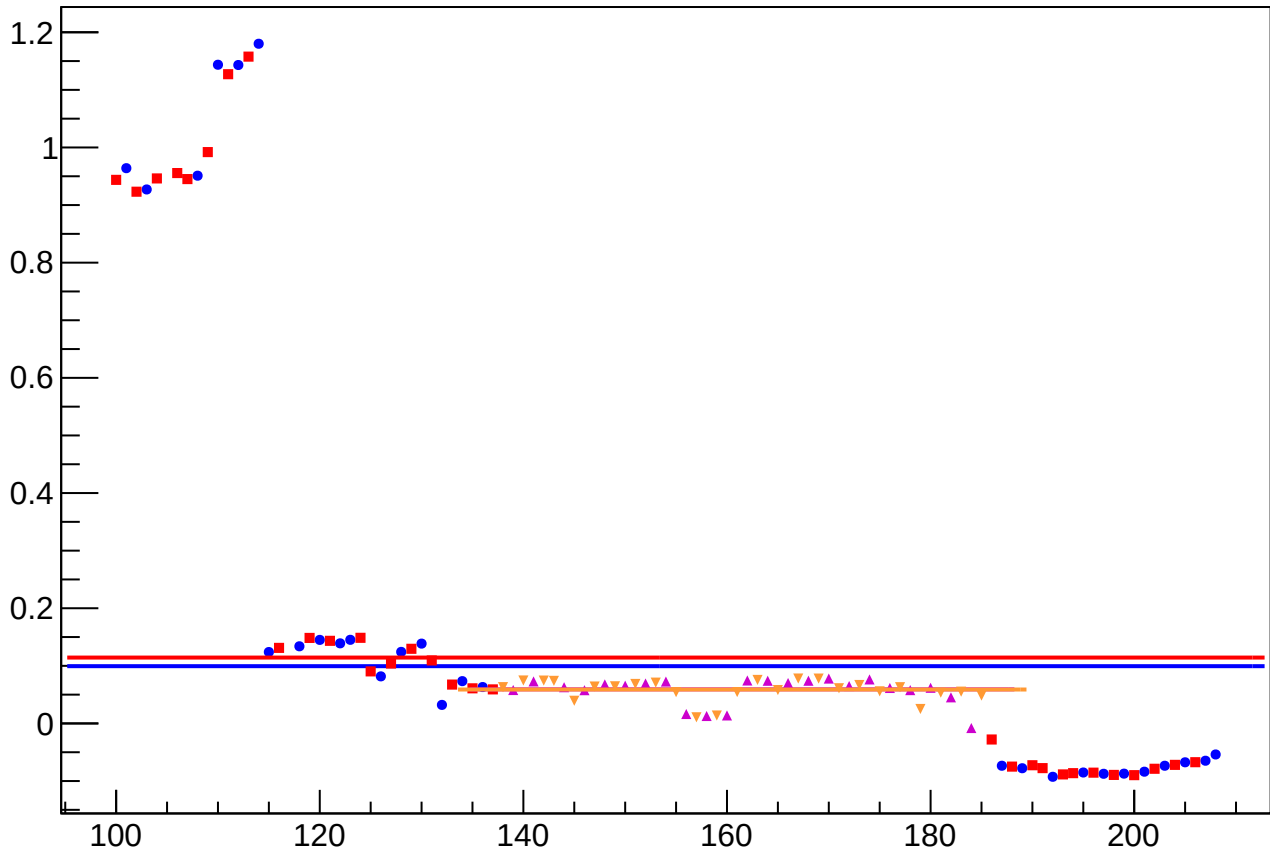
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:892810.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8817467.6/52

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 18340015.4/106

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9504522.0/53

yield_bpm4ecY_mean vs Slug



Right In: 0.099 $\pm$ 0.000 χ^2 /NDF: 8095459629.2/27

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

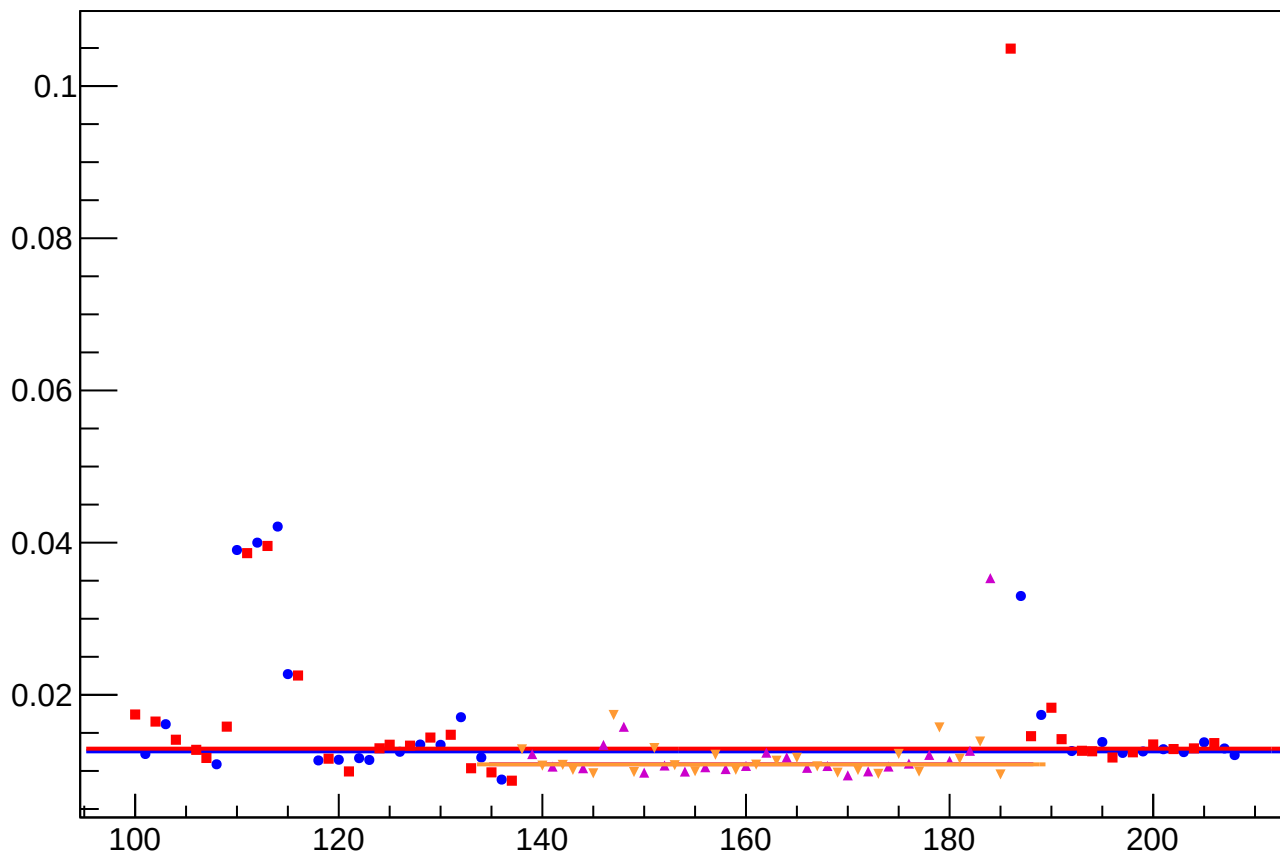
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 8228095368.1/52

All: 0.076 $\pm$ 0.000 χ^2 /NDF: 17427099576.2/100

- 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 : 1492649.3/27

Left Out: 0.011+/-0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1896598.3/30

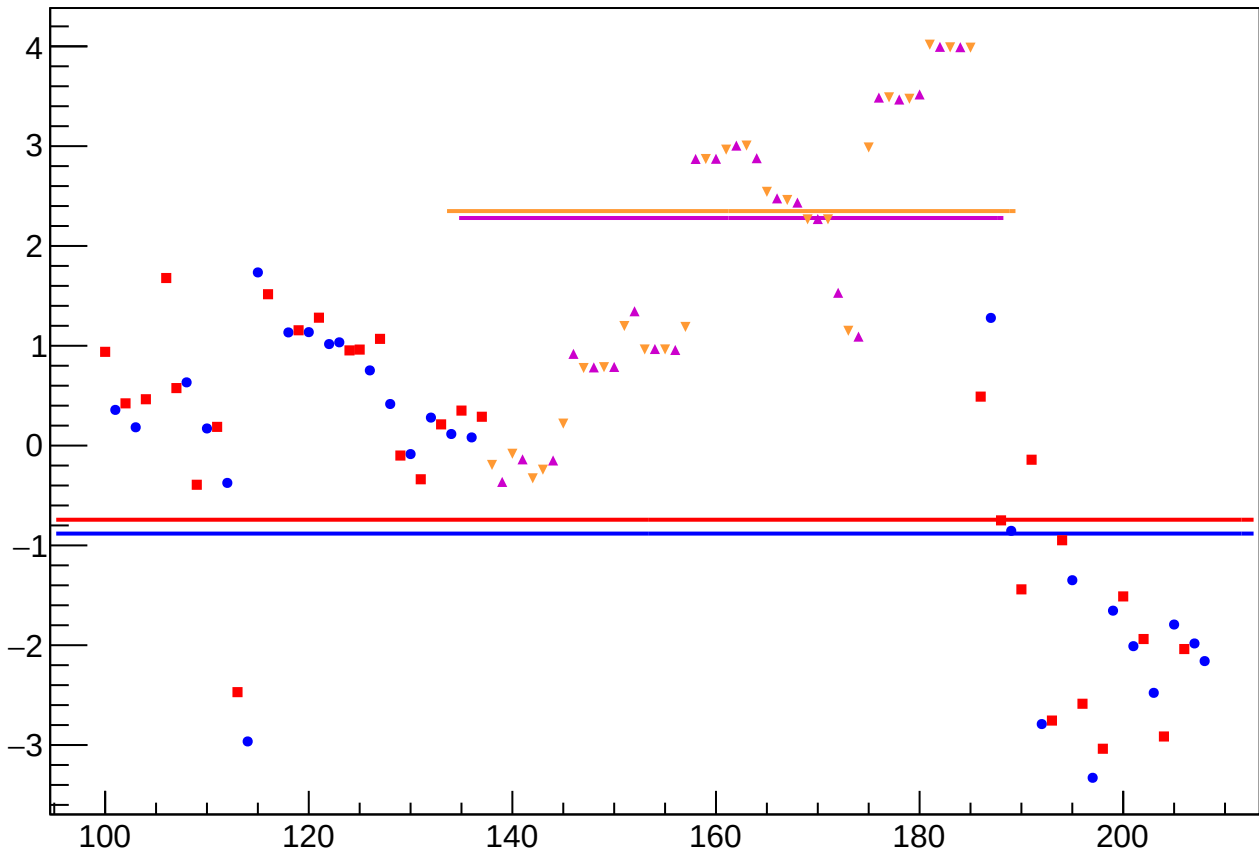
Left In: 0.011+/-0.000 χ^2/NDF : 529867.3/22

+ sign 0.011+/-0.000 χ^2/NDF : 2403897.7/52

All: 0.012+/-0.000 χ^2/NDF : 5251284.1/106

- sign 0.012+/-0.000 χ^2/NDF : 2842137.9/53

yield_bpm1X_mean vs Slug



Right In: -0.882 ± 0.000 χ^2/NDF : 6814876735.3/27

Left Out: 2.349 ± 0.000 χ^2/NDF : 63600066268.3/24

Right Out: -0.743 ± 0.000 χ^2/NDF : 7585115836.5/30

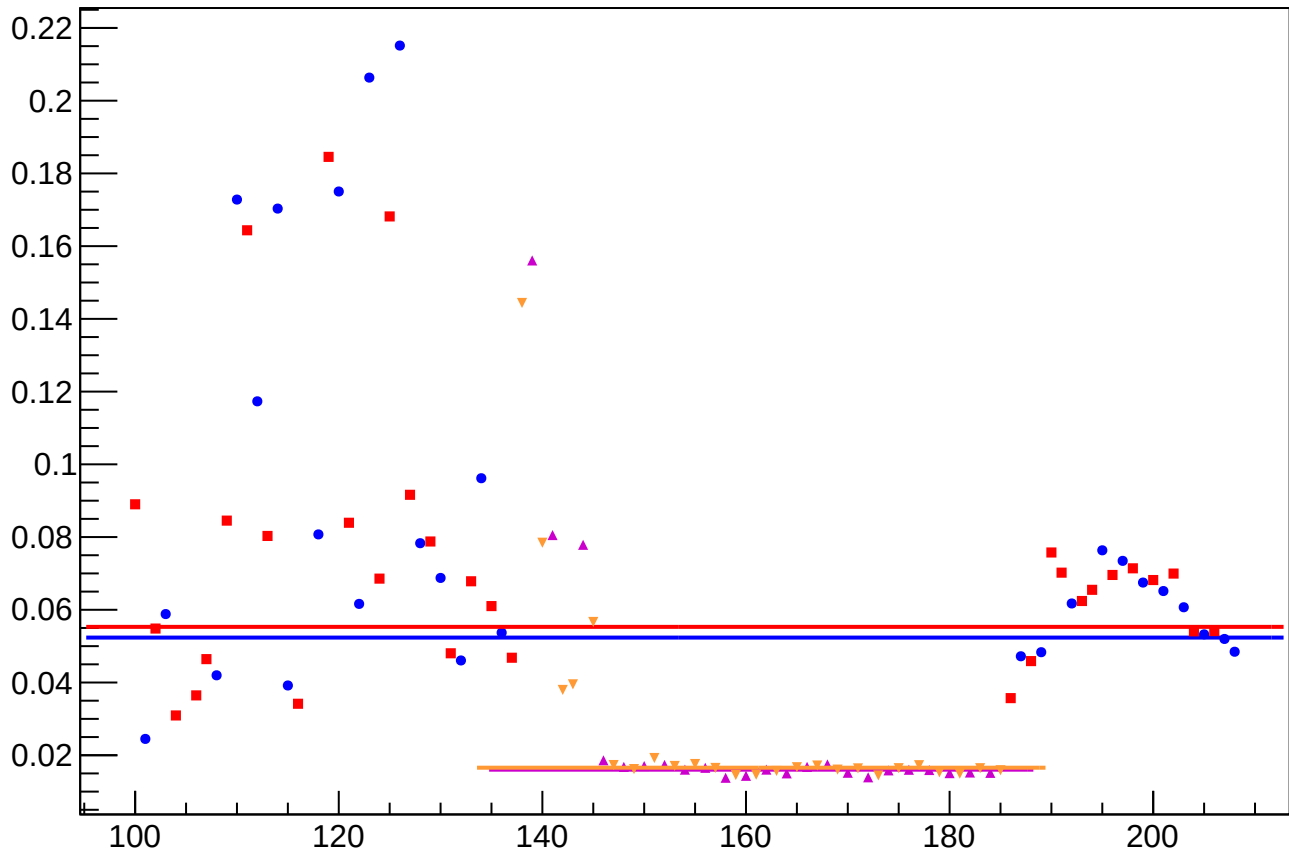
Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

+ sign 2.124 ± 0.000 χ^2/NDF : 107609744555.5/52

All: 2.102 ± 0.000 χ^2/NDF : 208325534861.2

- sign 2.080 ± 0.000 χ^2/NDF : 100660604616.5/53

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3467099.6/27

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

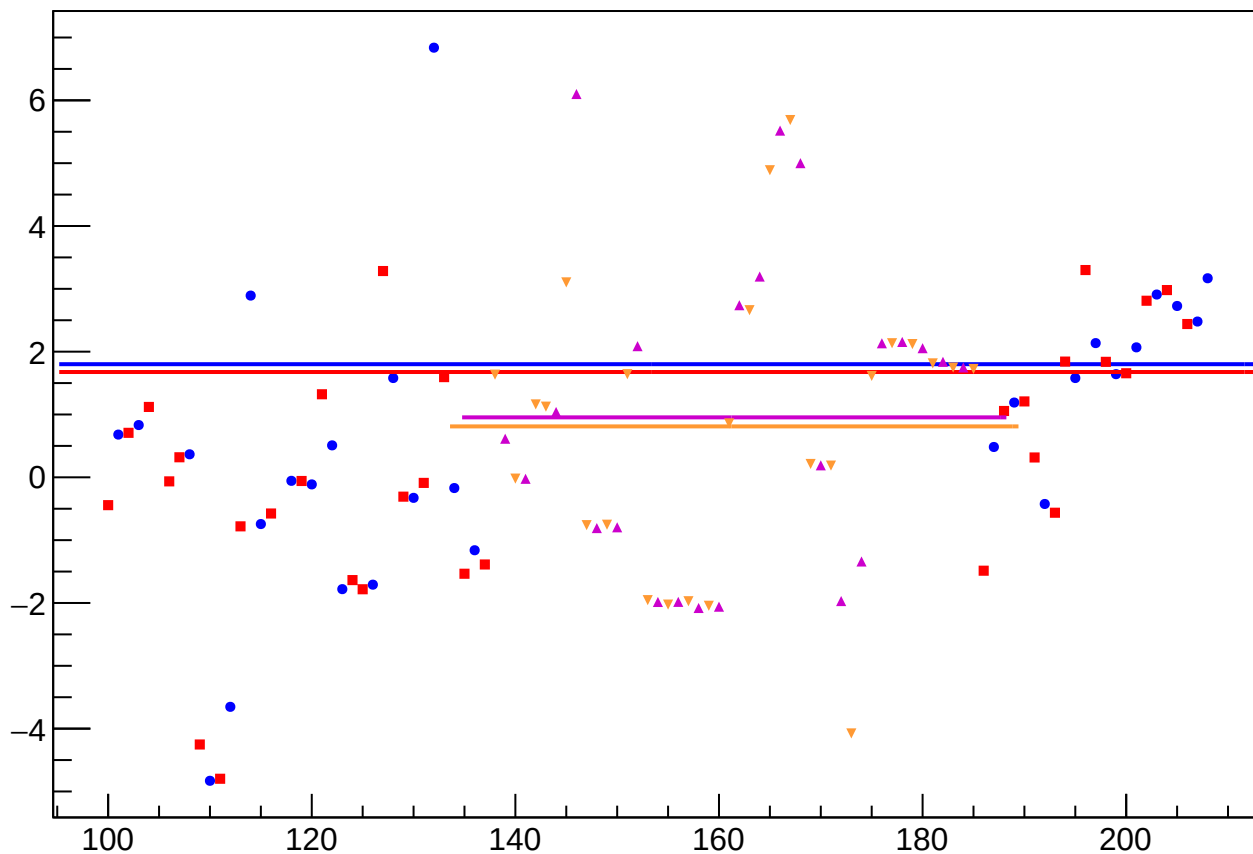
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 15212707.4/52

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 31202951.9/106

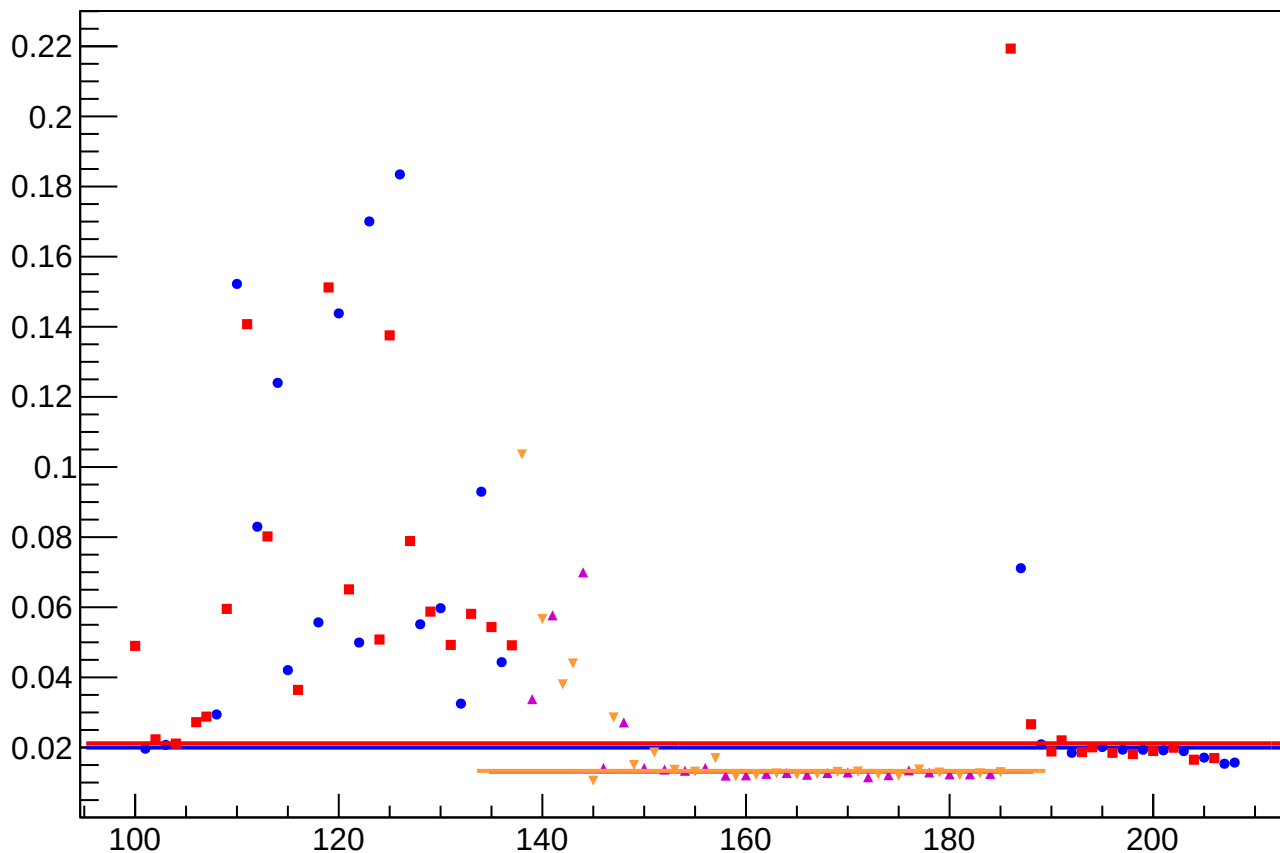
- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 15979745.4/53

yield_bpm1Y_mean vs Slug



Right In: 1.801+/-0.000	χ^2/NDF : 36928921450.4/27	+ sign 1.027+/-0.000	χ^2/NDF : 562780574974.1/52
Left Out: 0.810+/-0.000	χ^2/NDF : 507583198570.2/24	All: 1.064+/-0.000	χ^2/NDF : 1180199909360.
Right Out: 1.676+/-0.000	χ^2/NDF : 33279154545.4/30	- sign 1.101+/-0.000	χ^2/NDF : 617126237529.6/53
Left In: 0.954+/-0.000	χ^2/NDF : 574792794608.3/22		

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 4066861.0/27

Left Out: 0.013+/-0.000 χ^2/NDF :2829070.5/24

Right Out: 0.021+/-0.000 χ^2/NDF : 5030573.7/30

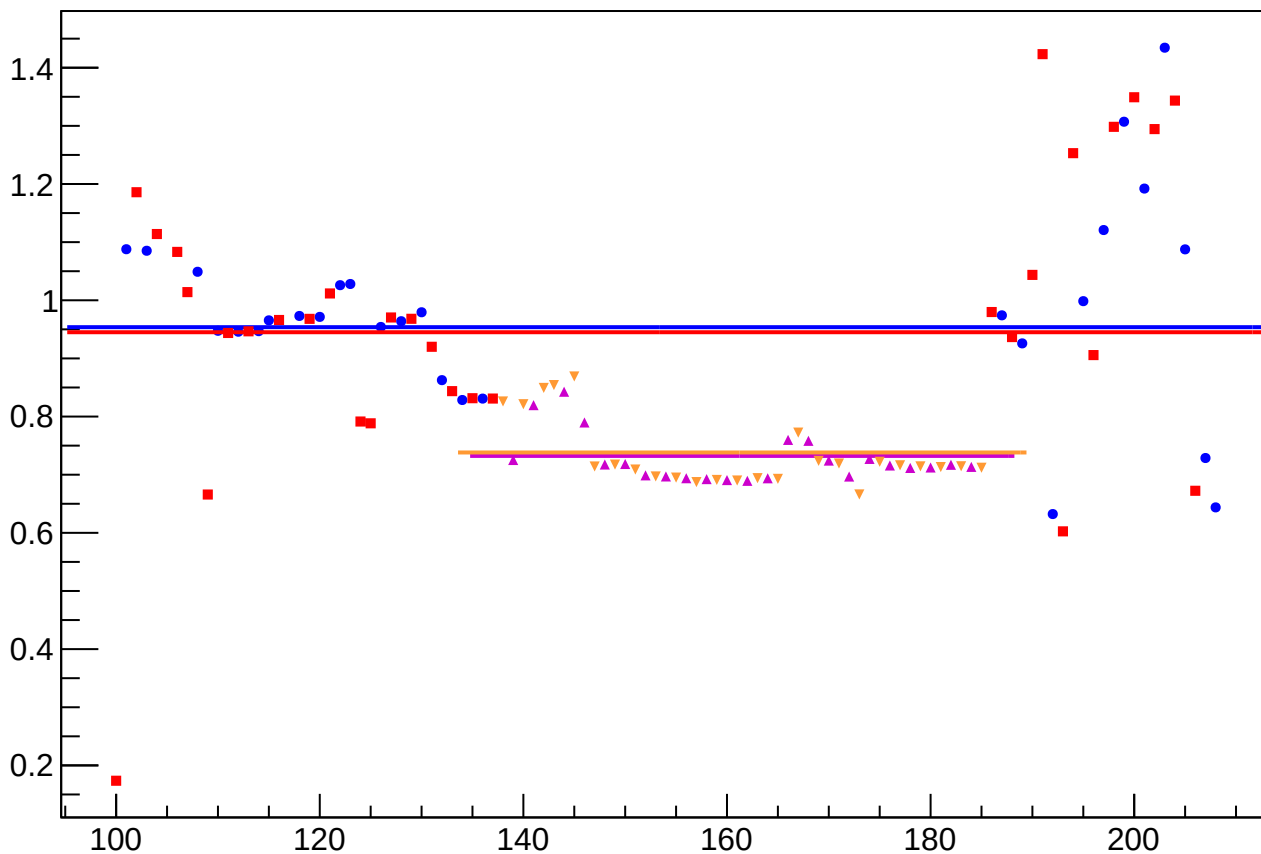
Left In: 0.013+/-0.000 χ^2/NDF :1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8536297.3/52

All: 0.015+/-0.000 χ^2/NDF : 17800283.7/106

- sign 0.015+/-0.000 χ^2/NDF : 9263942.0/53

yield_bpm11X_mean vs Slug



Right In: 0.954 $\pm$ 0.000 χ^2 /NDF: 673981926.3/27

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

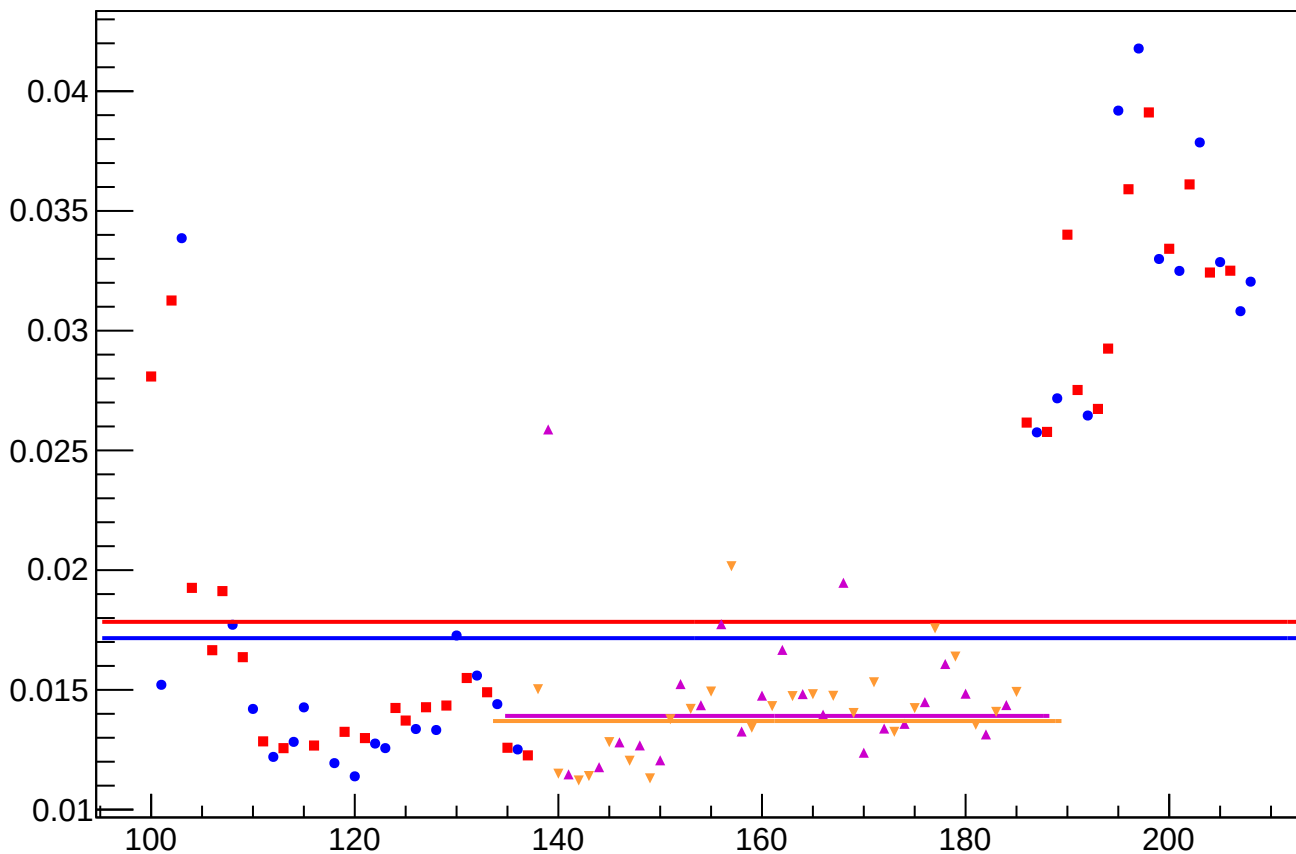
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

+ sign 0.803 $\pm$ 0.000 χ^2 /NDF: 2193220619.8/52

All: 0.801 $\pm$ 0.000 χ^2 /NDF: 4566852746.4/10

- sign 0.800 $\pm$ 0.000 χ^2 /NDF: 2372872158.6/53

yield_bpm11X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 4580160.4/27

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 4044009.9/30

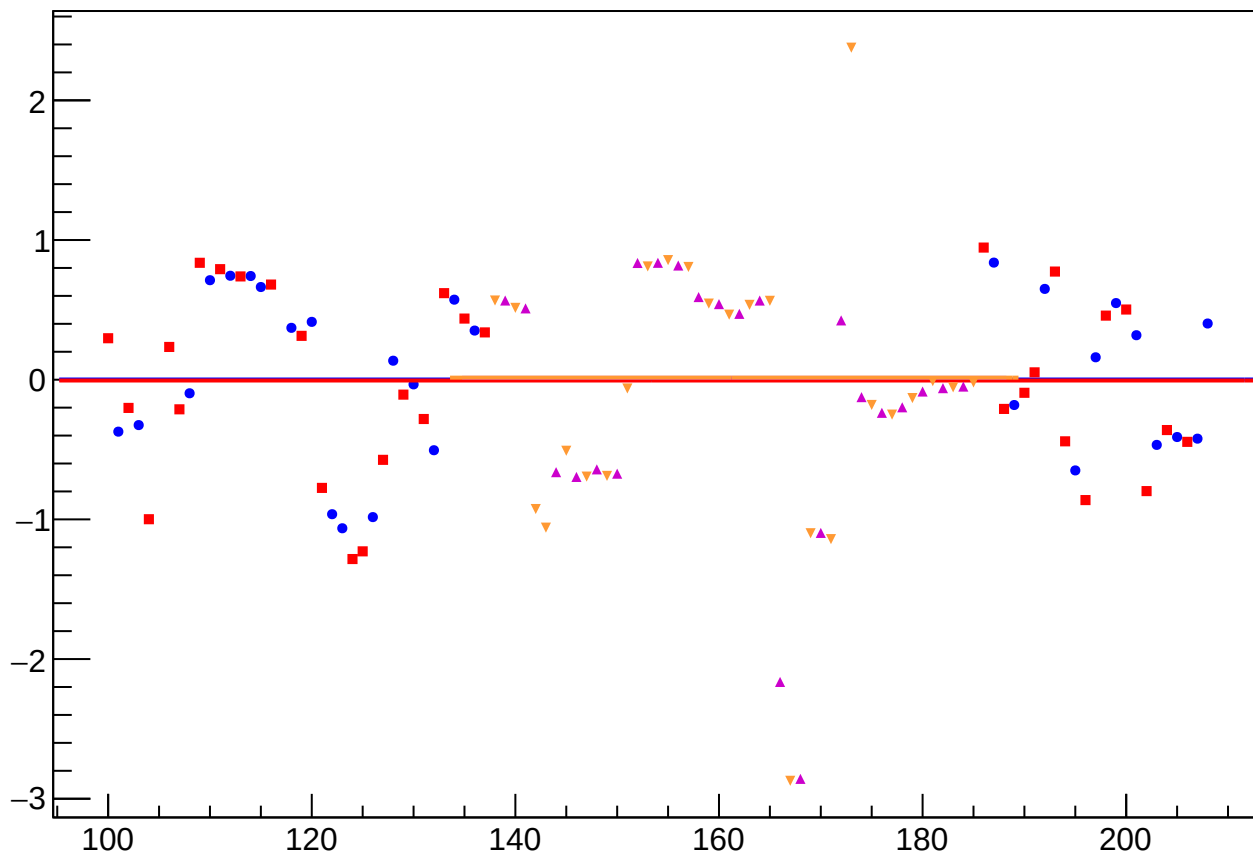
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 5734766.2/52

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 11377375.7/106

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 5621974.6/53

yield_bpm11Y_mean vs Slug



Right In: 0.001+/-0.000 χ^2/NDF : 20207234828.9/27

Left Out: 0.015+/-0.000 χ^2/NDF : 96087835995.8/24

Right Out: -0.006+/-0.000 χ^2/NDF : 29550168559.7/30

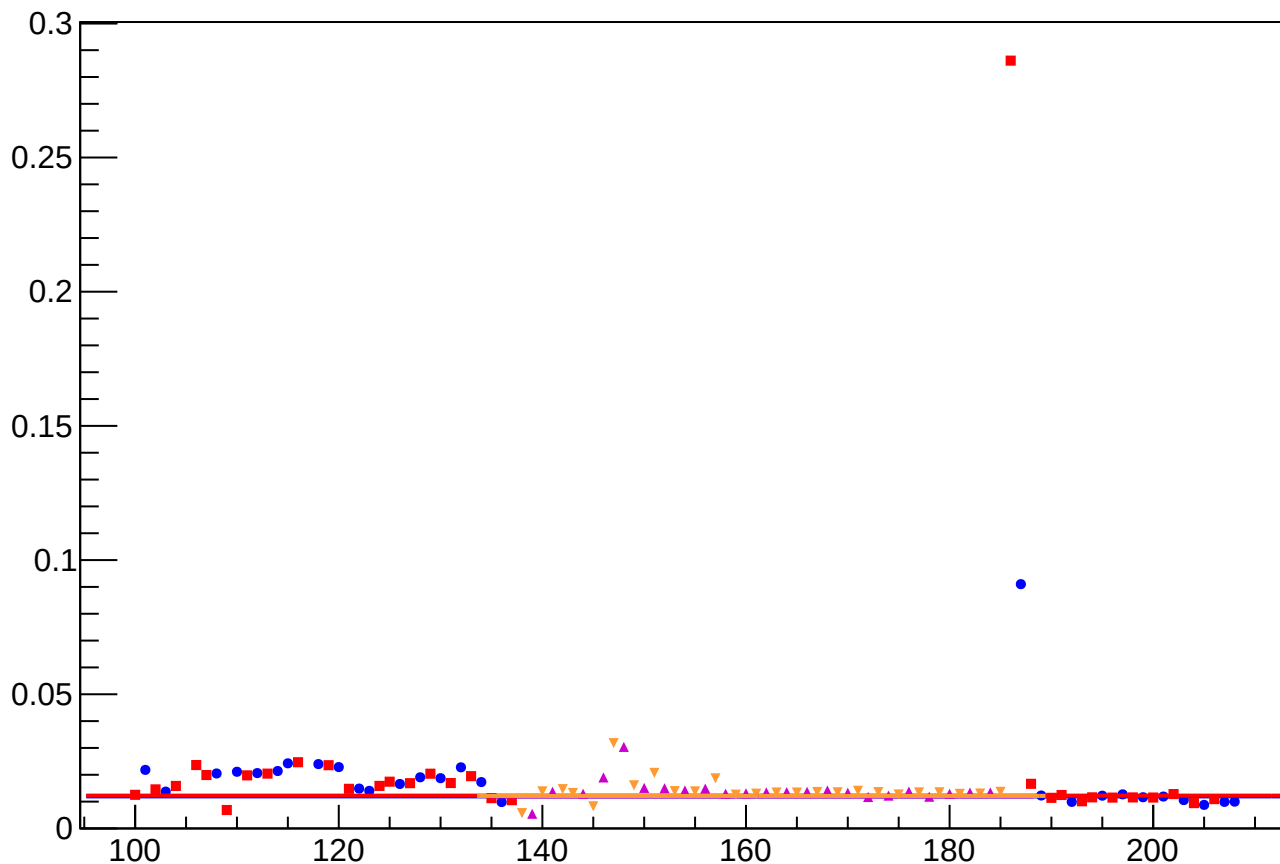
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.009+/-0.000 χ^2/NDF : 116303534232.2/52

All: 0.007+/-0.000 χ^2/NDF : 225317279502.6

- sign 0.005+/-0.000 χ^2/NDF : 109012160588.6/53

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2326693.0/27

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

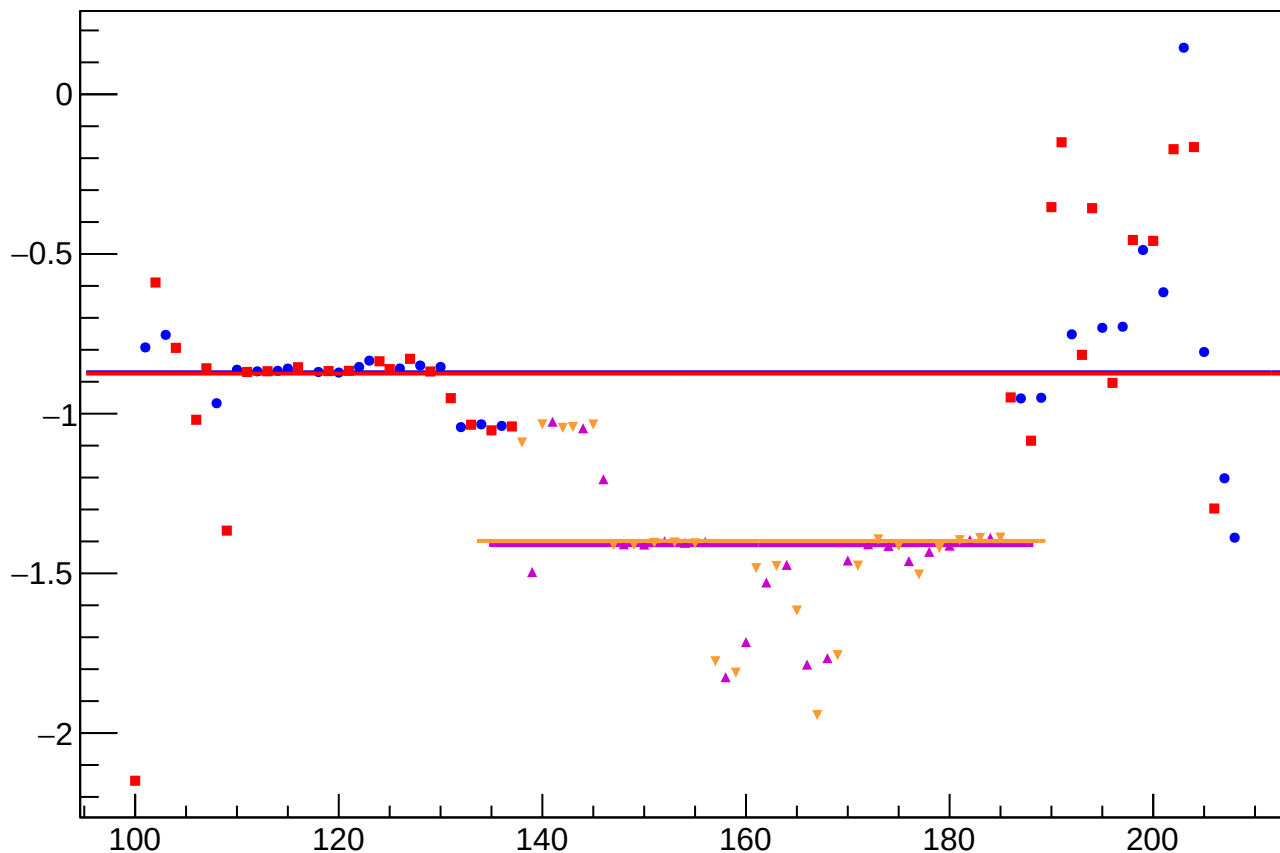
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5437123.1/52

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11234805.6/106

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5797578.2/53

yield_bpm12X_mean vs Slug



Right In: -0.870 ± 0.000 $\chi^2/\text{NDF}: 210077076.4/27$

Left Out: -1.398 ± 0.000 $\chi^2/\text{NDF}: 734579404.3/24$

Right Out: -0.874 ± 0.000 $\chi^2/\text{NDF}: 394002918.5/30$

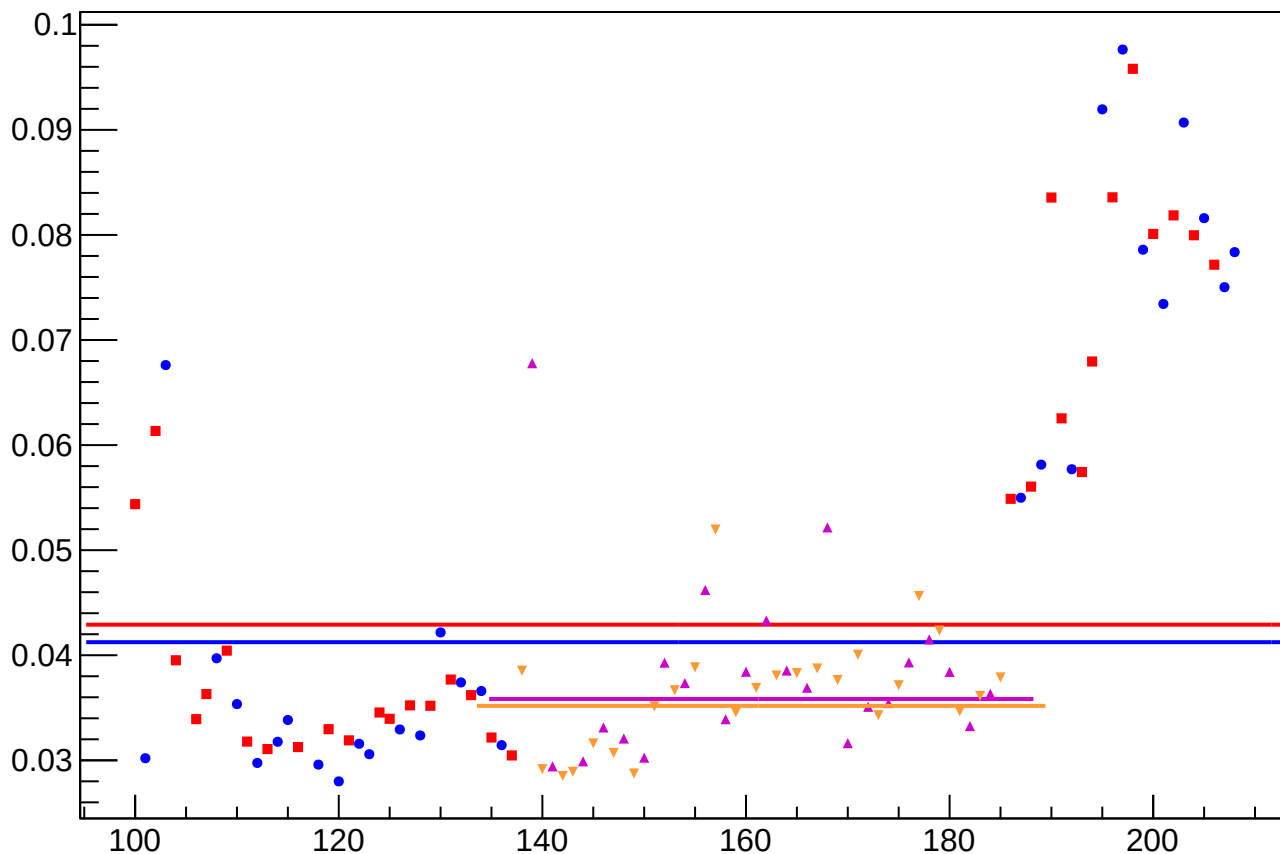
Left In: -1.412 ± 0.000 $\chi^2/\text{NDF}: 512629872.4/22$

+ sign -1.221 ± 0.000 $\chi^2/\text{NDF}: 2159237889.5/52$

All: -1.222 ± 0.000 $\chi^2/\text{NDF}: 4287009776.9/1$

- sign -1.222 ± 0.000 $\chi^2/\text{NDF}: 2127770634.4/53$

yield_bpm12X_rms vs Slug



Right In: 0.041+/-0.000 χ^2/NDF : 4269139.6/27

Left Out: 0.035+/-0.000 χ^2/NDF : 597886.0/24

Right Out: 0.043+/-0.000 χ^2/NDF : 3545849.6/30

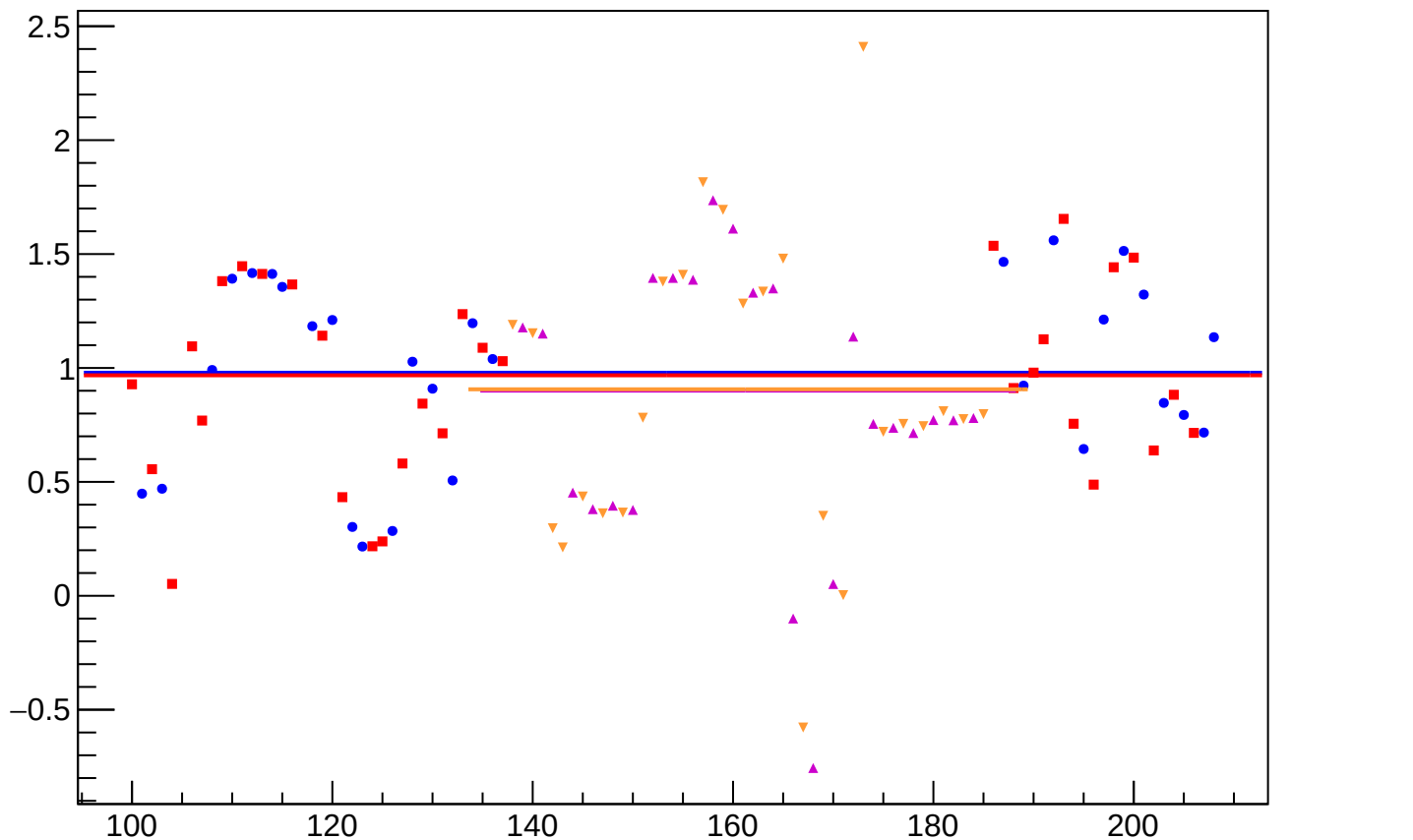
Left In: 0.036+/-0.000 χ^2/NDF : 890993.5/22

+ sign 0.037+/-0.000 χ^2/NDF : 5187273.4/52

All: 0.038+/-0.000 χ^2/NDF : 10071778.6/106

- sign 0.038+/-0.000 χ^2/NDF : 4860517.7/53

yield_bpm12Y_mean vs Slug



Right In: 0.979+/-0.000 χ^2/NDF : 22957989765.0/27

Left Out: 0.906+/-0.000 χ^2/NDF : 84108410196.2/24

Right Out: 0.968+/-0.000 χ^2/NDF : 27195277579.3/30

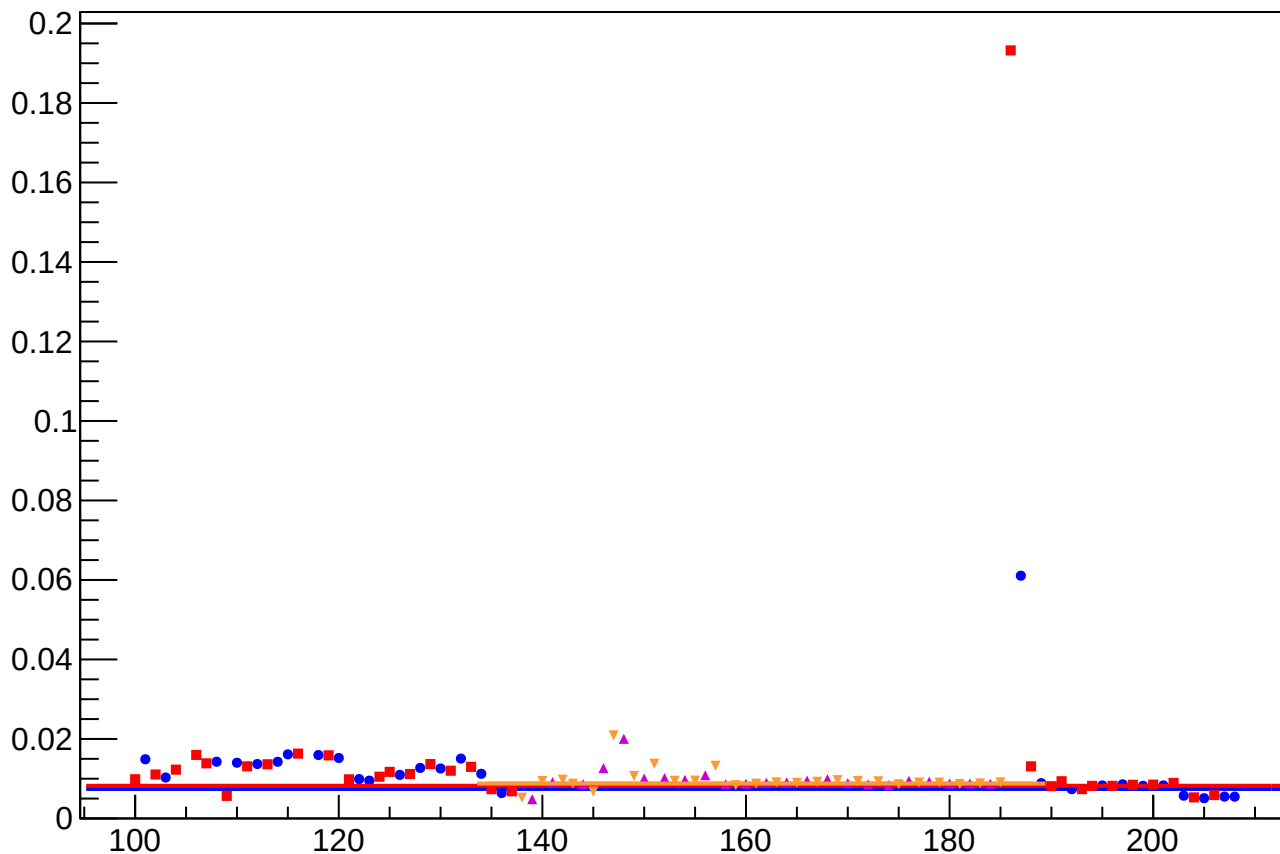
Left In: 0.901+/-0.000 χ^2/NDF : 66932223067.8/22

+ sign 0.942+/-0.000 χ^2/NDF : 107637847100.3/52

All: 0.937+/-0.000 χ^2/NDF : 202226034359.2

- sign 0.932+/-0.000 χ^2/NDF : 94566306328.5/53

yield_bpm12Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3160045.5/27

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698526.2/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3114642.1/30

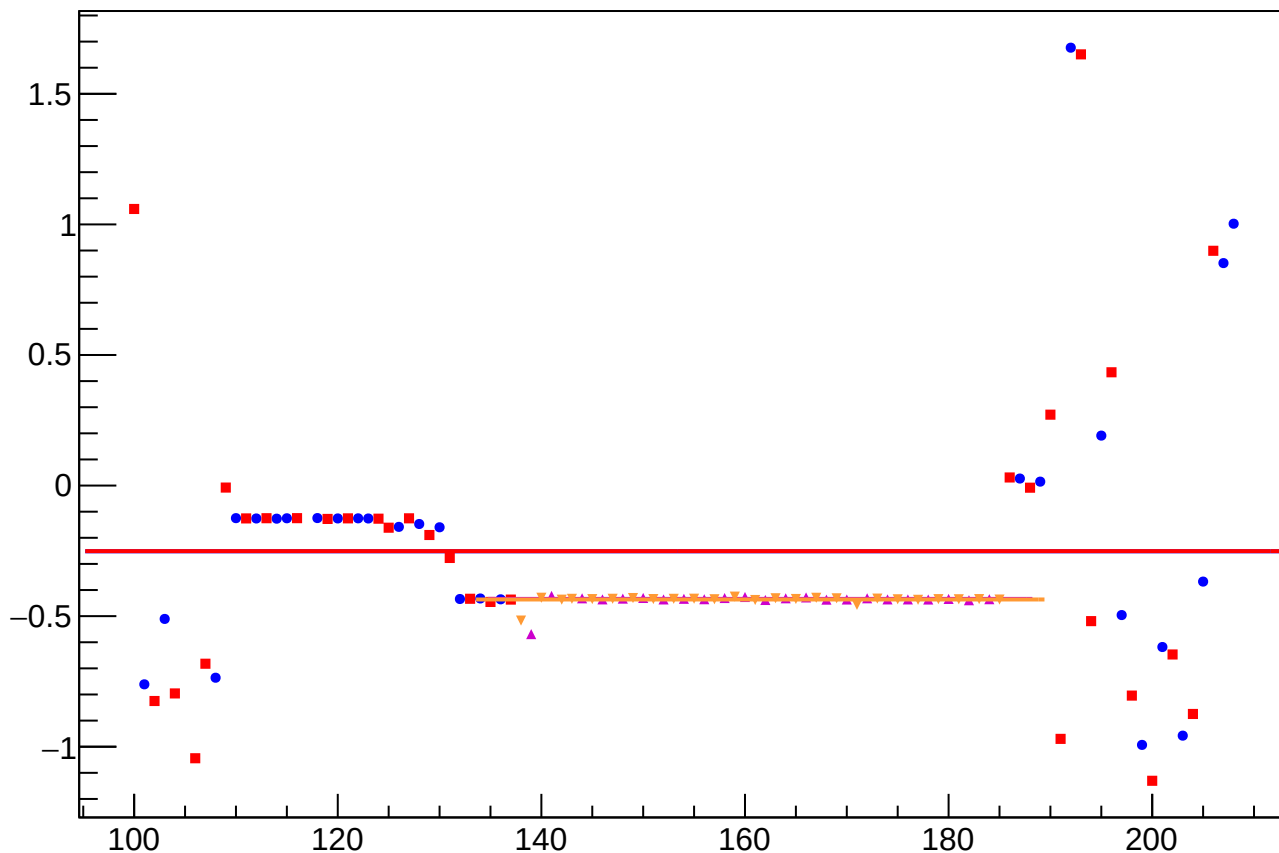
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1669983.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5256676.6/52

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 10152409.9/106

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 4835572.1/53

yield_bpm16X_mean vs Slug



Right In: -0.252+/-0.000 χ^2/NDF : 3162789533.3/27

Left Out: -0.436+/-0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.251+/-0.000 χ^2/NDF : 2658436201.6/30

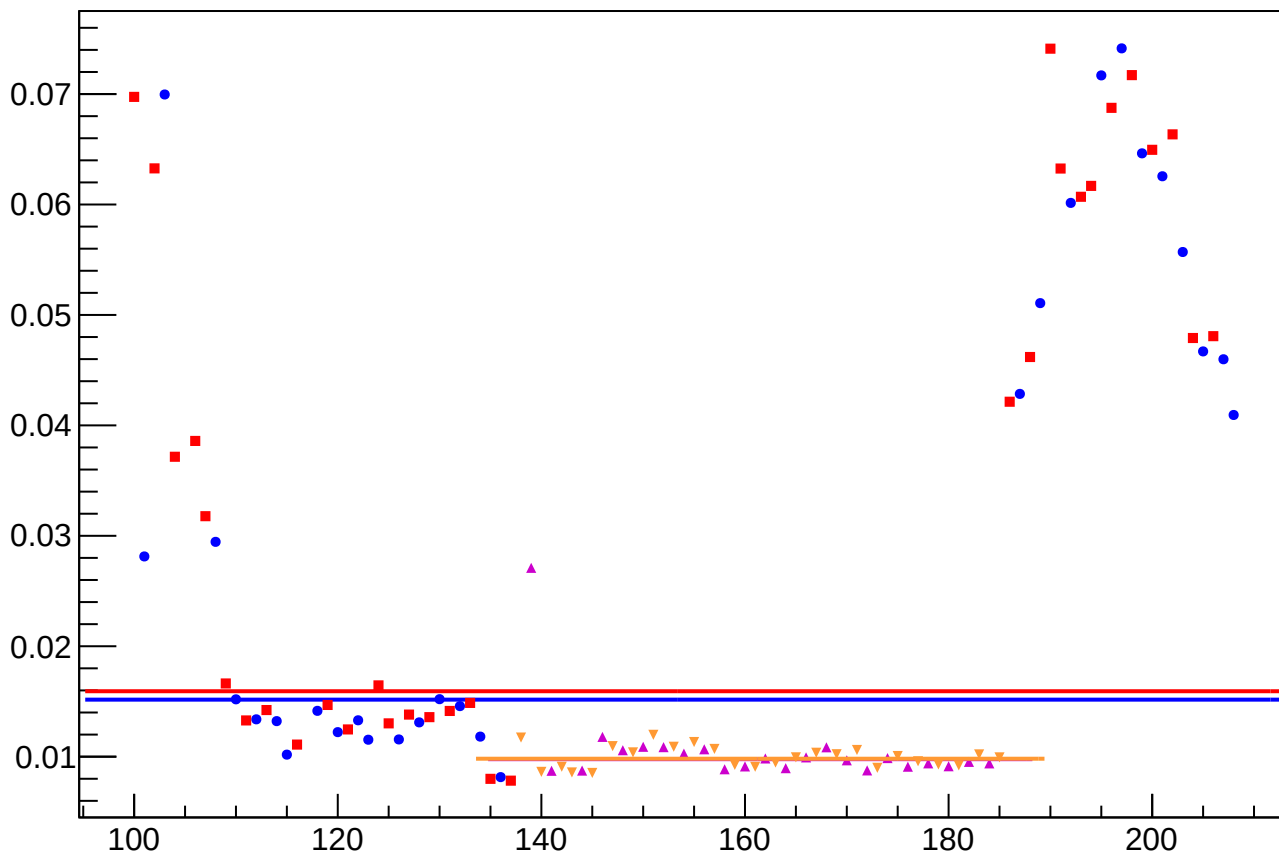
Left In: -0.434+/-0.000 χ^2/NDF : 20164730.3/22

+ sign -0.404+/-0.000 χ^2/NDF : 4147955031.5/52

All: -0.403+/-0.000 χ^2/NDF : 7716399842.3/1

- sign -0.402+/-0.000 χ^2/NDF : 3568057352.6/53

yield_bpm16X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 10187694.1/27

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

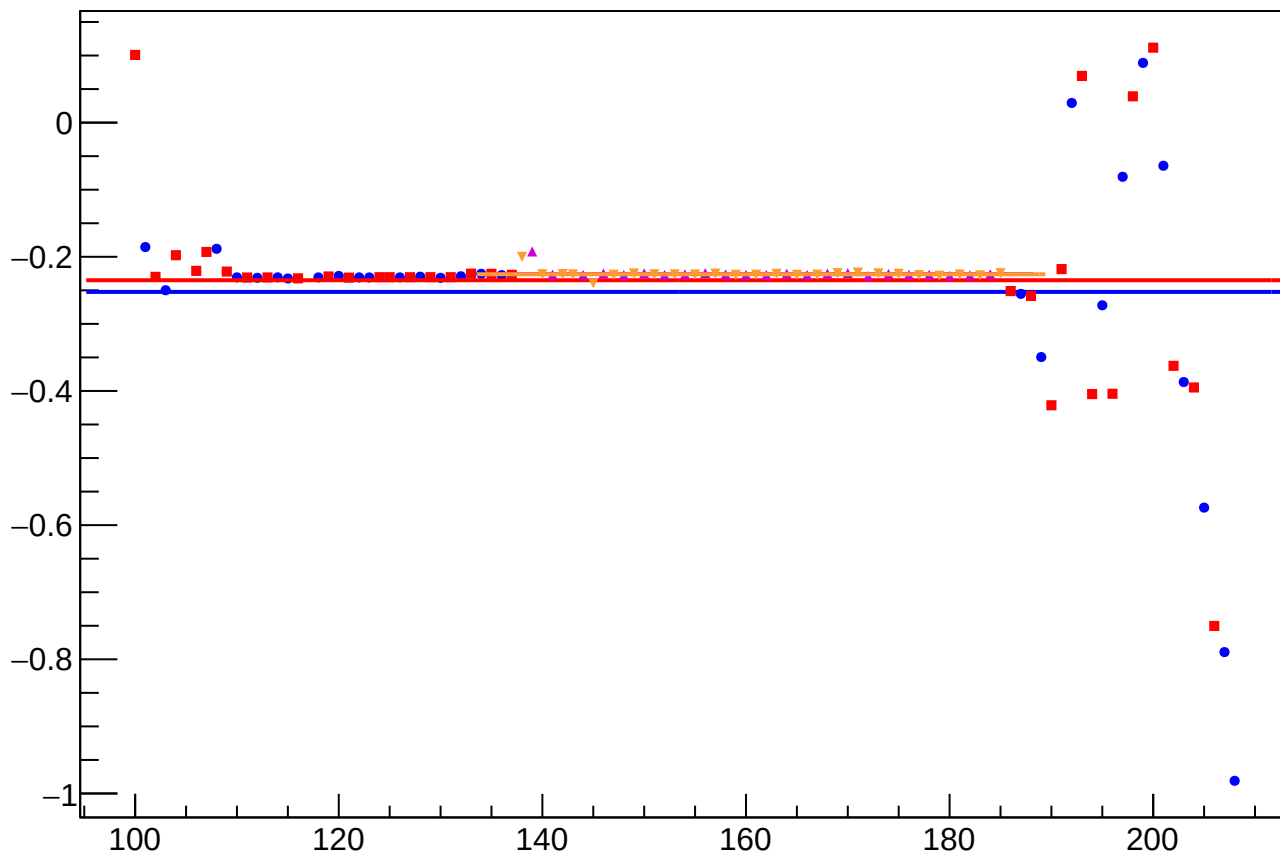
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 786577.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 12067259.5/52

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 25482907.1/106

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 13413763.6/53

yield_bpm16Y_mean vs Slug



Right In: -0.252 $\pm$ 0.000 χ^2 /NDF: 22527456766.0/27

Left Out: -0.226 $\pm$ 0.000 χ^2 /NDF: 21207366.3/24

Right Out: -0.235 $\pm$ 0.000 χ^2 /NDF: 13480422348.4/30

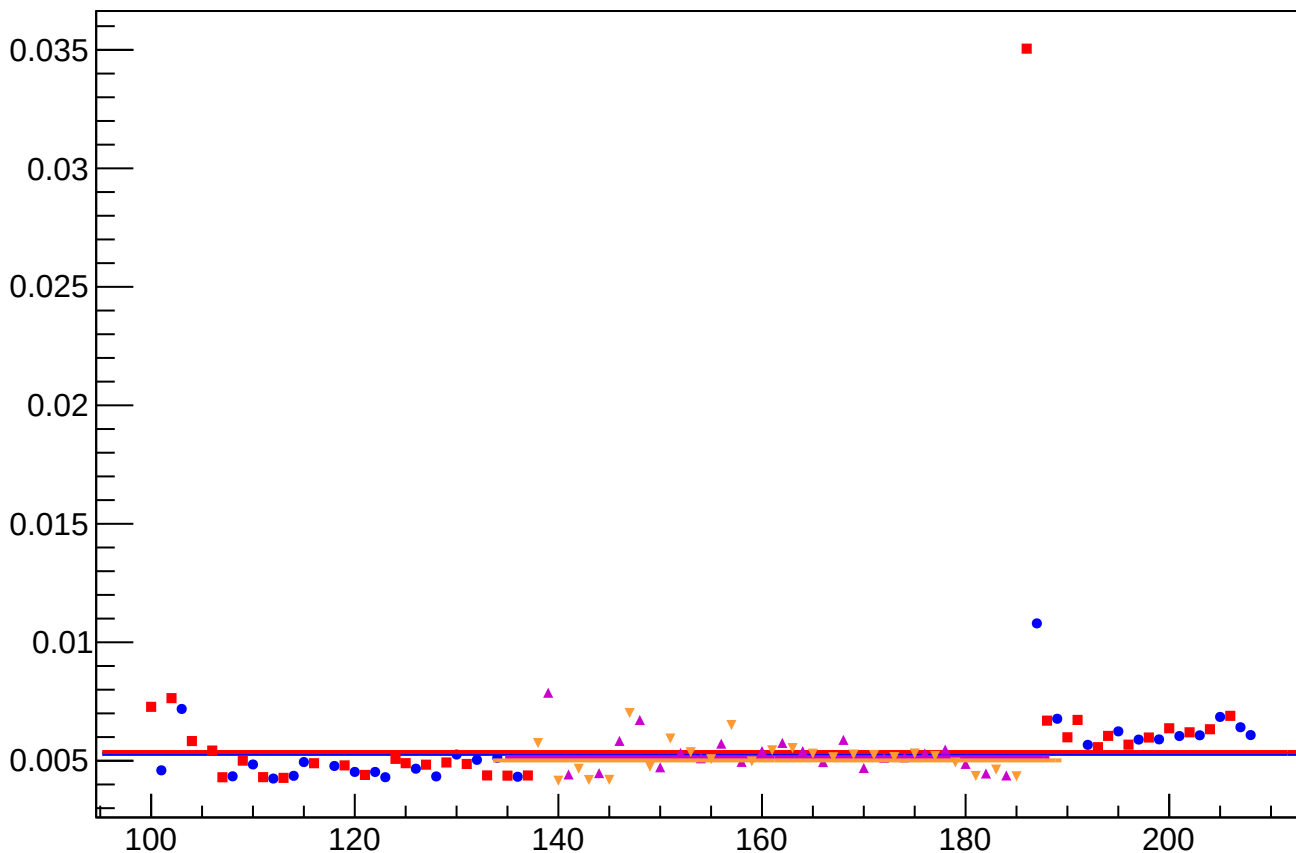
Left In: -0.226 $\pm$ 0.000 χ^2 /NDF: 13717302.5/22

+ sign -0.237 $\pm$ 0.000 χ^2 /NDF: 22740825661.2/52

All: -0.233 $\pm$ 0.000 χ^2 /NDF: 36284645295.2

- sign -0.230 $\pm$ 0.000 χ^2 /NDF: 13516720076.1/53

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 767290.7/27

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1256489.5/30

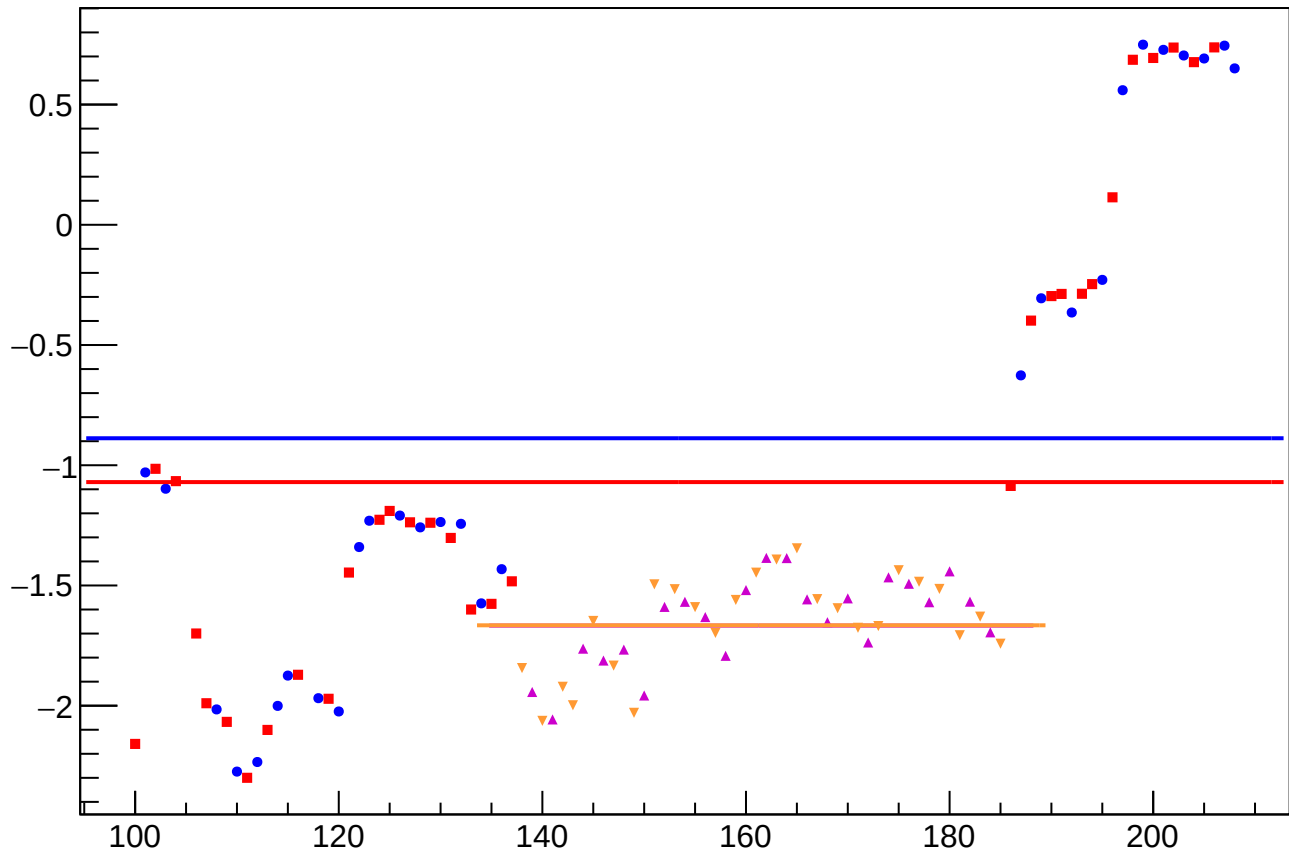
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1342072.9/52

All: 0.005+/-0.000 χ^2/NDF : 3143517.5/106

- sign 0.005+/-0.000 χ^2/NDF : 1786226.4/53

yield_bpm0l01X_mean vs Slug



Right In: -0.888+/-0.000 χ^2/NDF : 193970996139.8/27

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -1.070+/-0.000 χ^2/NDF : 201641560046.2/30

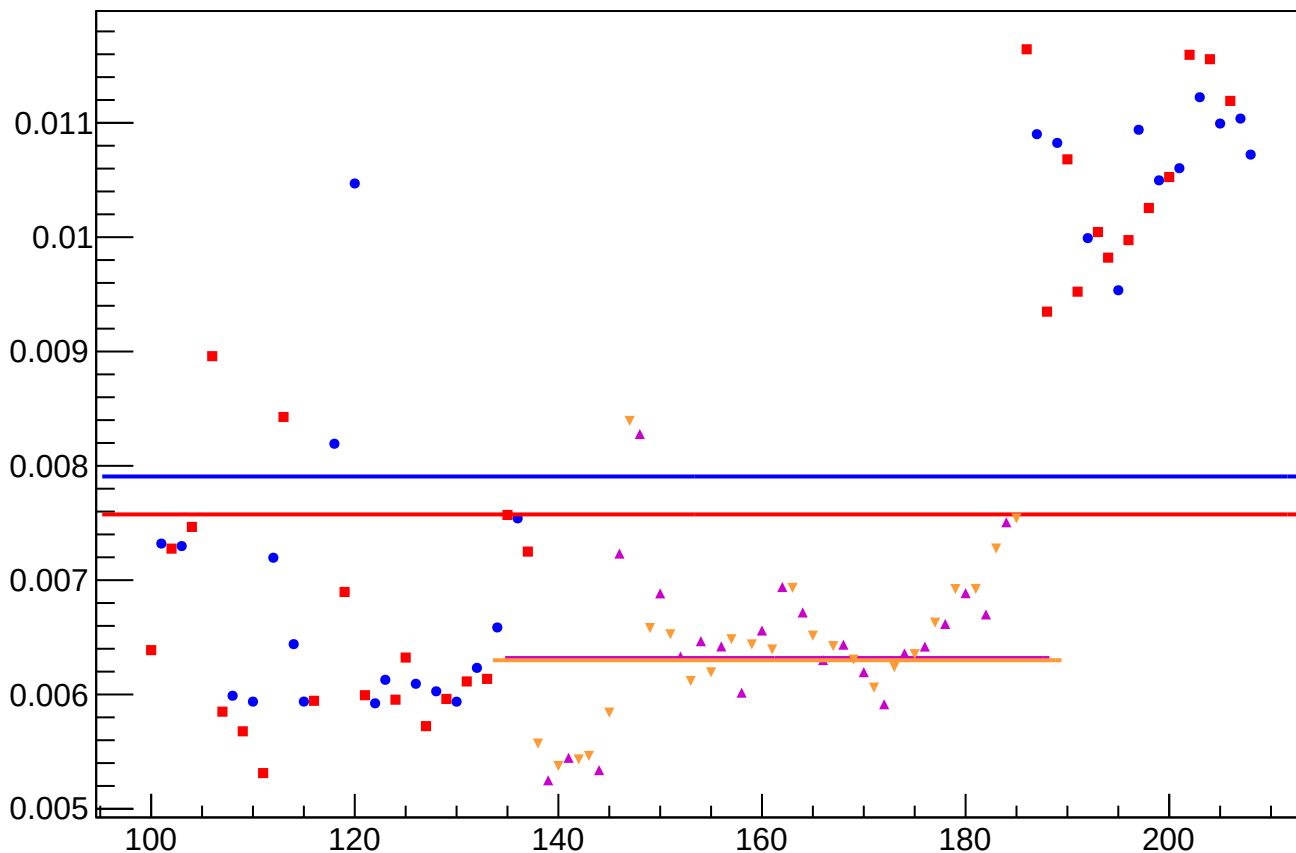
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.419+/-0.000 χ^2/NDF : 297231394989.0/52

All: -1.434+/-0.000 χ^2/NDF : 567305049390.7

- sign -1.450+/-0.000 χ^2/NDF : 269747465911.5/53

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1652216.5/27

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1913384.5/30

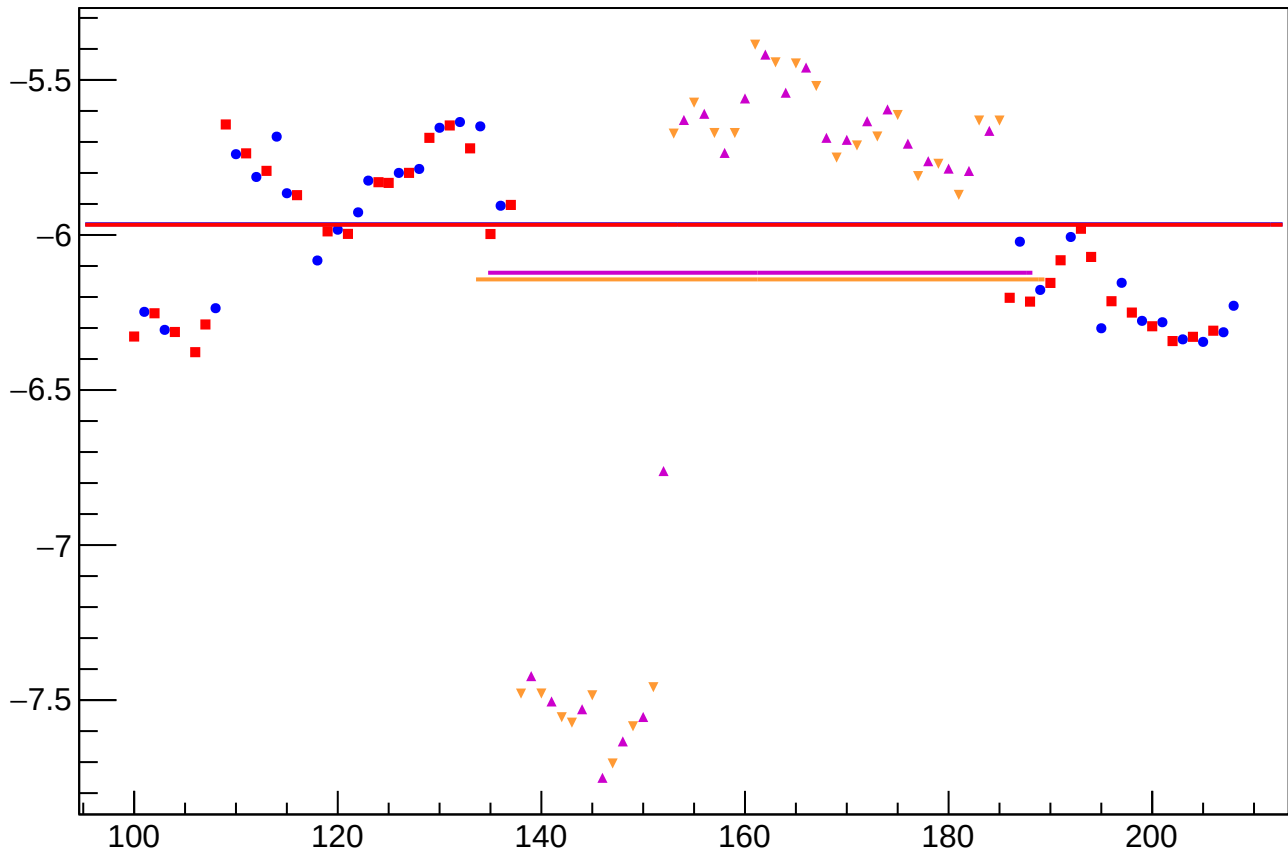
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 2689971.9/52

All: 0.007+/-0.000 χ^2/NDF : 5412451.9/106

- sign 0.007+/-0.000 χ^2/NDF : 2721671.0/53

yield_bpm0l01Y_mean vs Slug



Right In: -5.965+/-0.000 χ^2 /NDF: 15236571892.6/27

Left Out: -6.143+/-0.000 χ^2 /NDF:185721259239.3/24

Right Out: -5.967+/-0.000 χ^2 /NDF: 16350328651.2/30

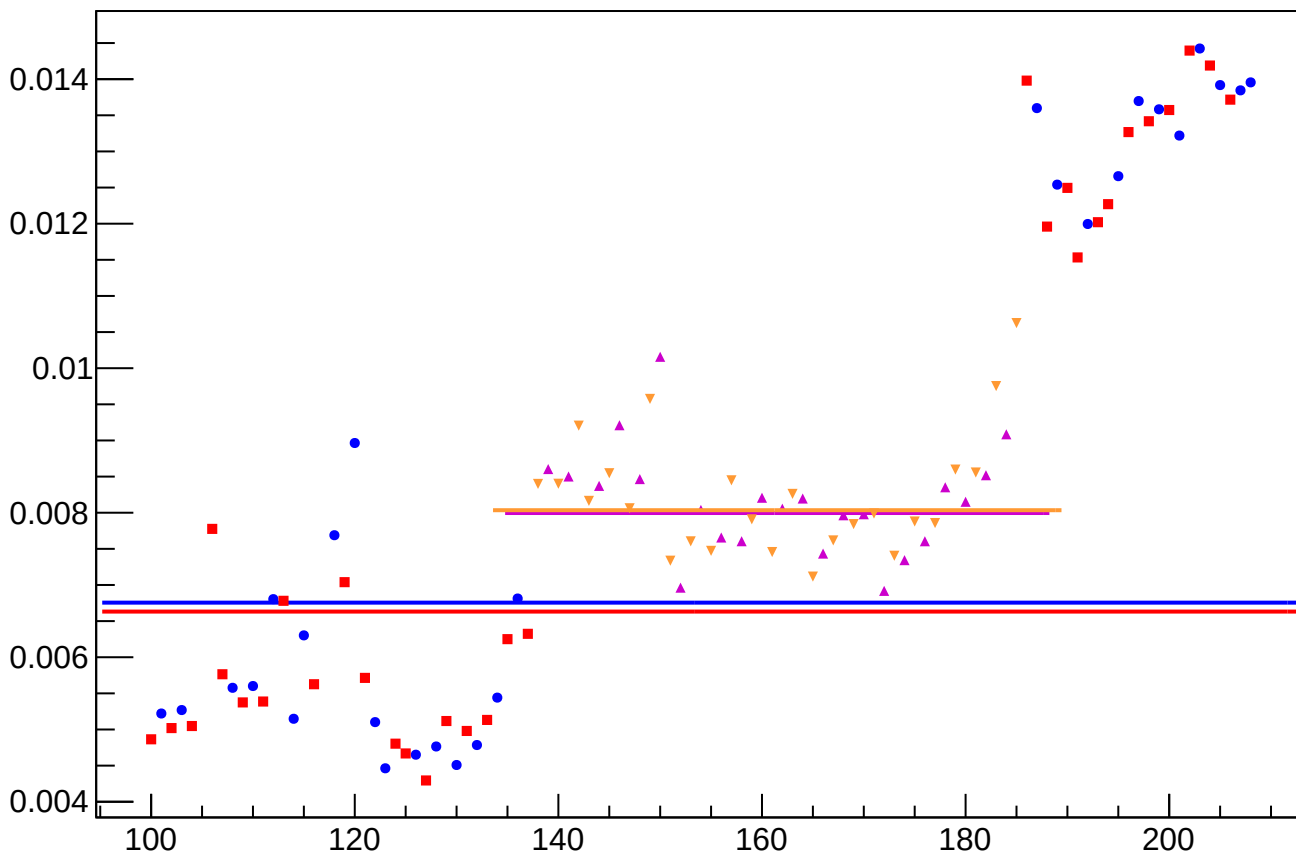
Left In: -6.122+/-0.000 χ^2 /NDF:159909473006.6/22

+ sign -6.057+/-0.000 χ^2 /NDF: 204913274466.7/52

All: -6.049+/-0.000 χ^2 /NDF: 384325983135.0

- 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 : 4761899.8/27

Left Out: 0.008+/-0.000 χ^2/NDF :205976.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4729155.4/30

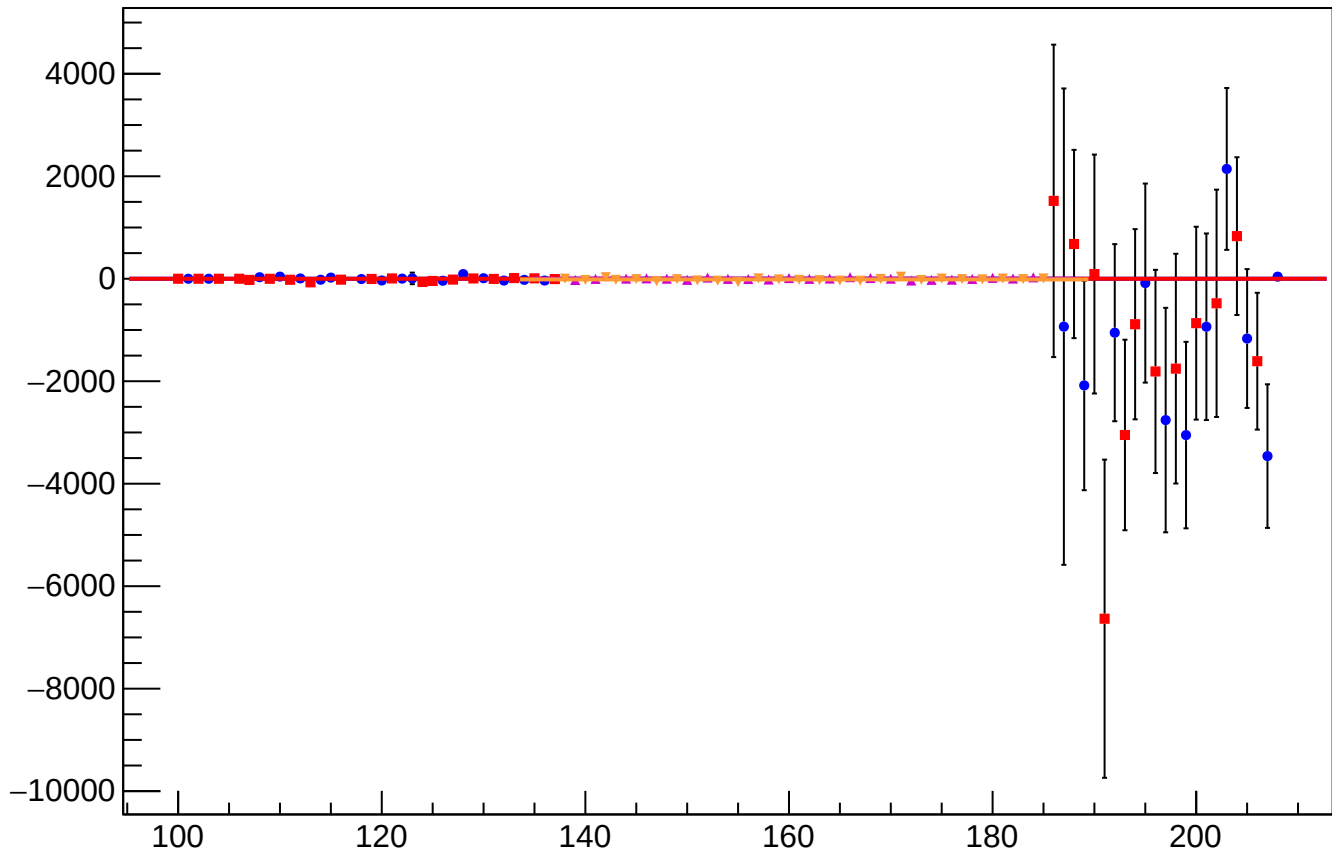
Left In: 0.008+/-0.000 χ^2/NDF :220203.0/22

+ sign 0.007+/-0.000 χ^2/NDF : 5377353.8/52

All: 0.007+/-0.000 χ^2/NDF : 10815300.4/106

- 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 : 31.8/27

Left Out: -13.472 ± 2.796 χ^2/NDF : 58.5/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 26.3/30

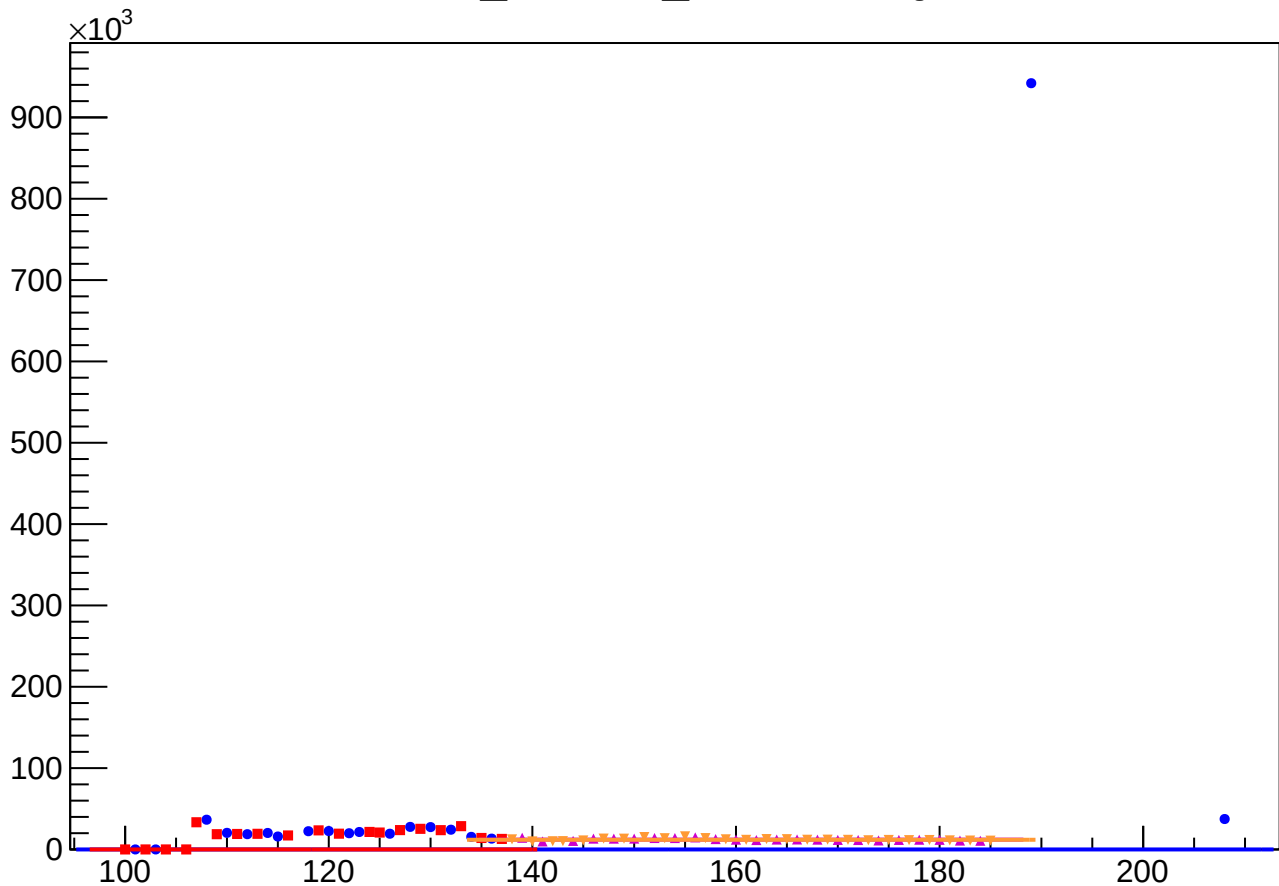
Left In: -0.489 ± 2.905 χ^2/NDF : 28.7/22

+ sign 0.013 ± 0.017 χ^2/NDF : 113.5/52

All: 0.008 ± 0.012 χ^2/NDF : 168.6/106

- sign 0.003 ± 0.016 χ^2/NDF : 55.0/53

diff_cav4bX_rms vs Slug



Right In: 18.645 ± 0.012 χ^2/NDF : 12143051.8/18

Left Out: 11909.835 ± 1.977 χ^2/NDF : 475310.2/24

Right Out: 18.311 ± 0.011 χ^2/NDF : 11056055.0/18

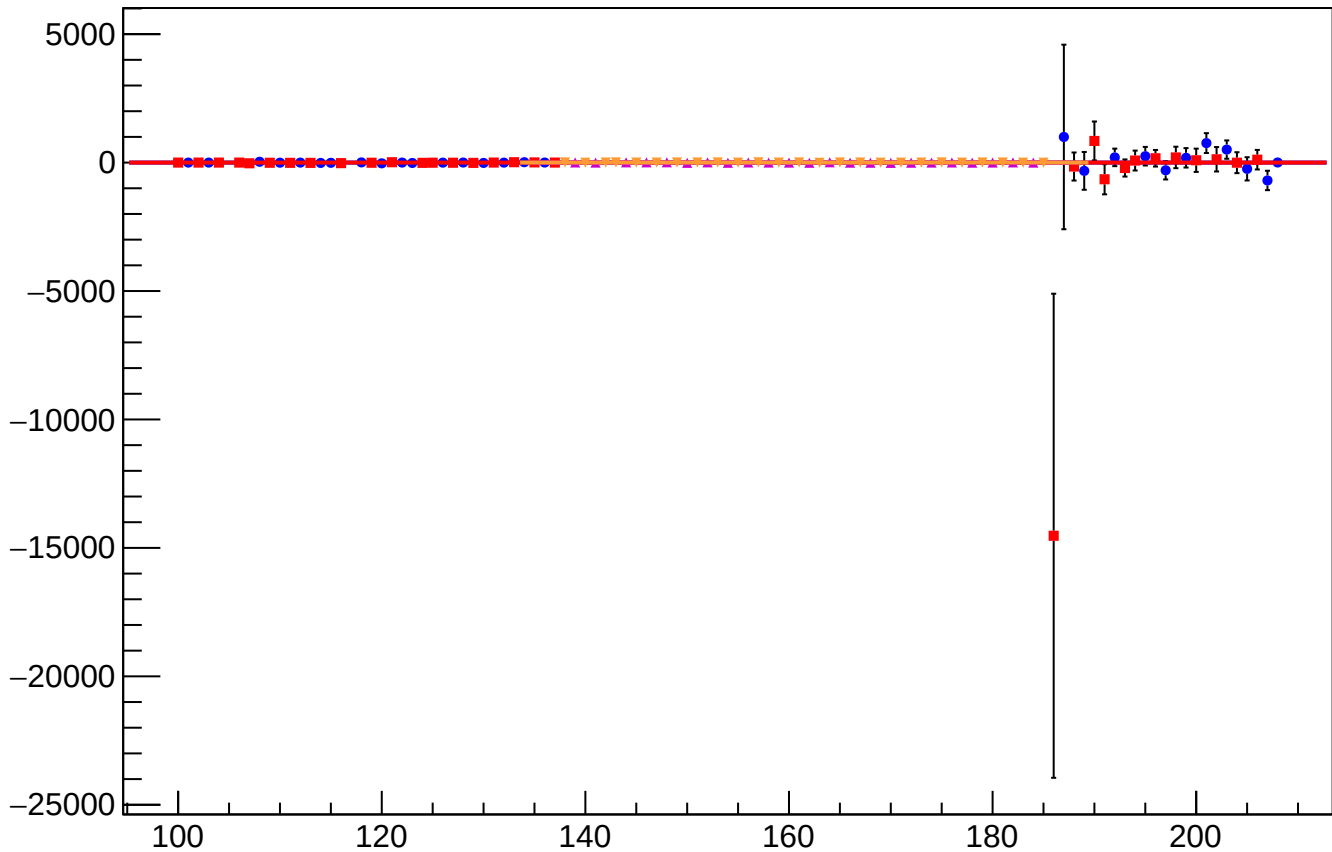
Left In: 12064.321 ± 2.054 χ^2/NDF : 372586.0/22

+ sign 19.102 ± 0.012 χ^2/NDF : 48783265.9/43

All: 18.875 ± 0.008 χ^2/NDF : 94592503.0/85

- sign 18.680 ± 0.011 χ^2/NDF : 45808598.7/41

diff_cav4bY_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 26.5/27

Left Out: 1.675 ± 1.021 χ^2/NDF : 17.9/24

Right Out: 0.014 ± 0.009 χ^2/NDF : 24.7/30

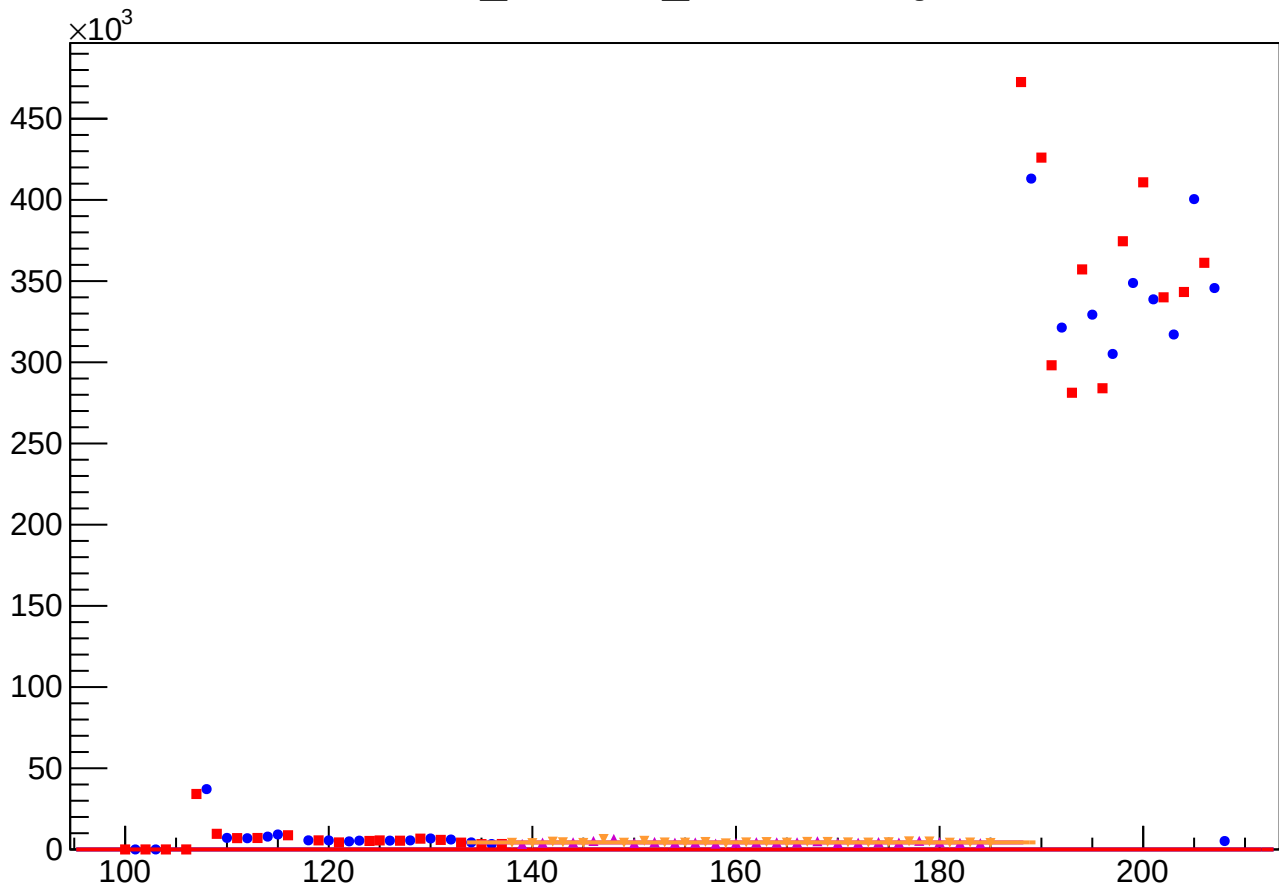
Left In: 0.843 ± 1.043 χ^2/NDF : 35.7/22

+ sign 0.001 ± 0.009 χ^2/NDF : 47.1/52

All: 0.008 ± 0.006 χ^2/NDF : 109.2/106

- sign 0.014 ± 0.009 χ^2/NDF : 61.0/53

diff_cav4bY_rms vs Slug



Right In: 9.949 ± 0.007 χ^2/NDF : 25641312.9/26

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 25899222.3/29

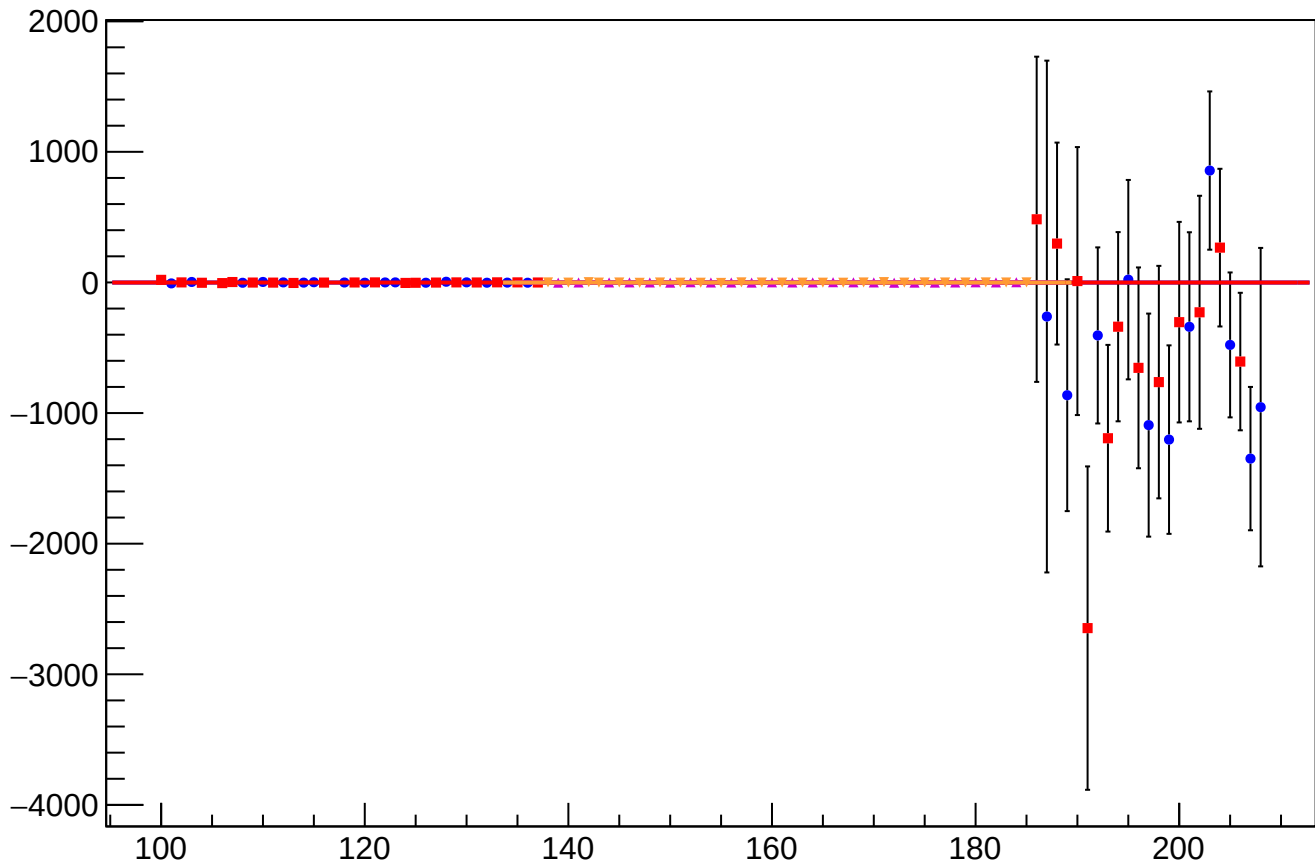
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.301 ± 0.007 χ^2/NDF : 62169125.1/51

All: 10.222 ± 0.004 χ^2/NDF : 122666269.6/100

- 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 : 37.8/27

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

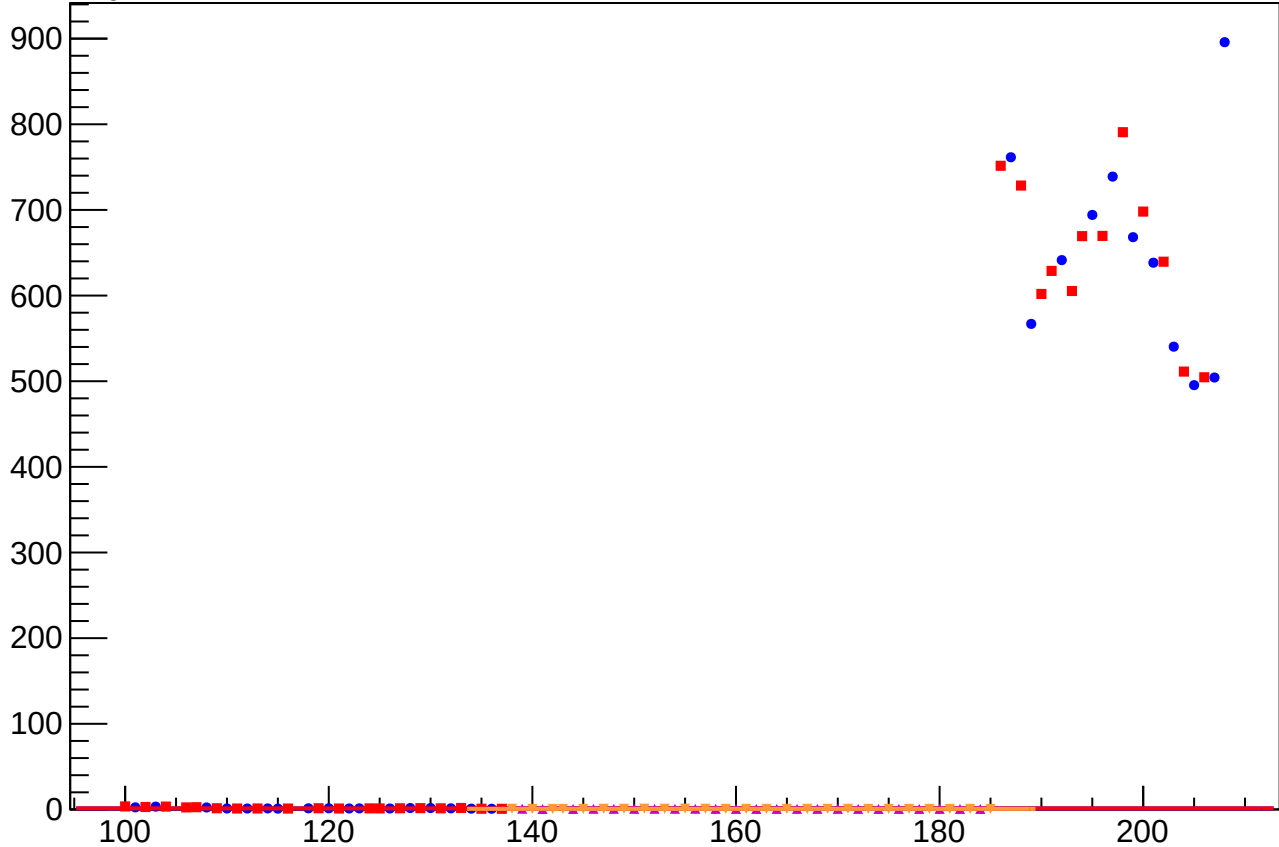
+ sign -0.767 ± 0.156 χ^2/NDF : 96.2/52

All: -0.444 ± 0.112 χ^2/NDF : 159.2/106

- sign -0.097 ± 0.161 χ^2/NDF : 54.0/53

diff_cav4cX_rms vs Slug

$\times 10^3$



Right In: 1167.099 $\pm$ 0.343 χ^2 /NDF: 16666847.8/27

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

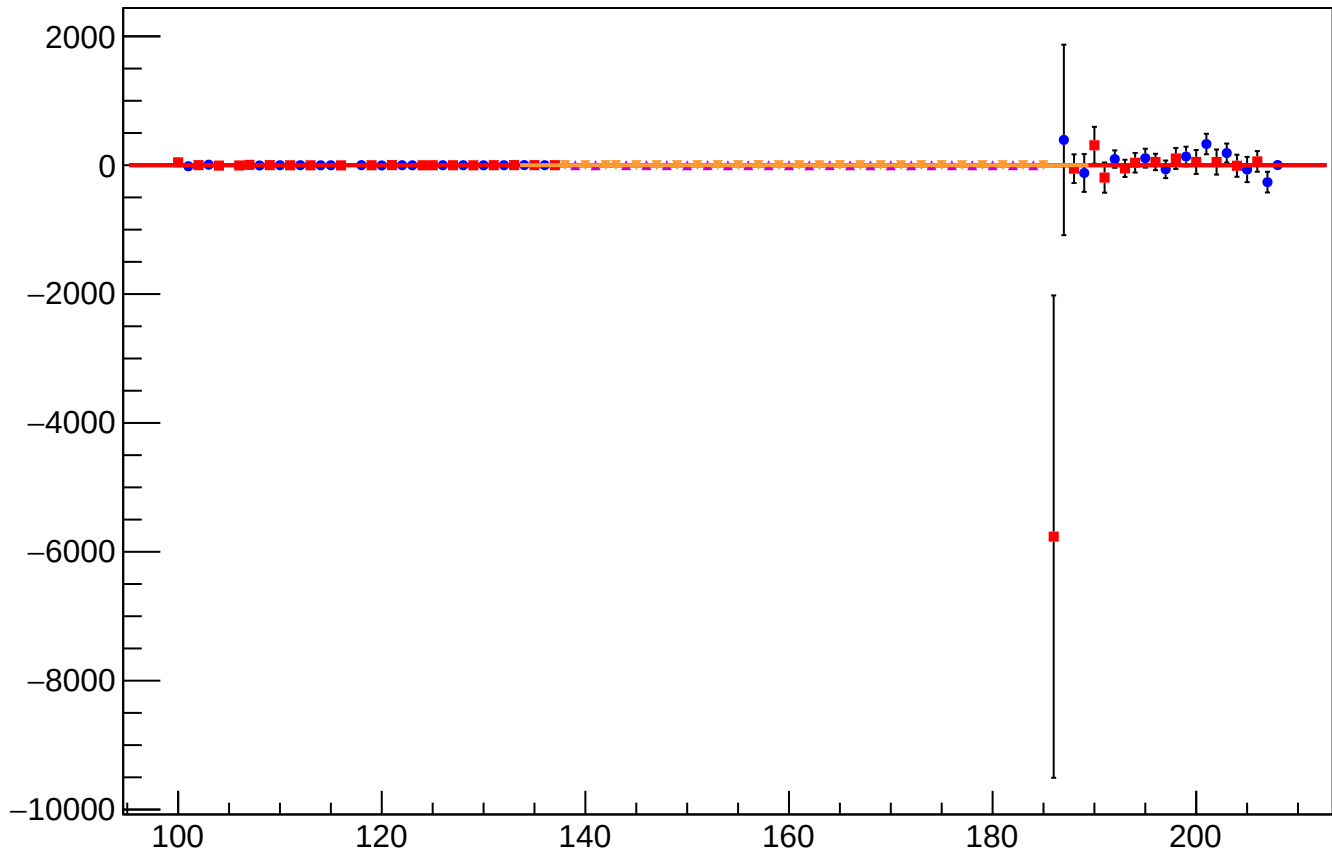
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF: 338177.1/22

+ sign 748.799 $\pm$ 0.110 χ^2 /NDF: 18717733.1/52

All: 755.711 $\pm$ 0.079 χ^2 /NDF: 38576128.8/10

- sign 763.121 $\pm$ 0.114 χ^2 /NDF: 19850220.8/53

diff_cav4cY_mean vs Slug



Right In: -0.052 ± 0.270 χ^2/NDF : 32.1/27

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

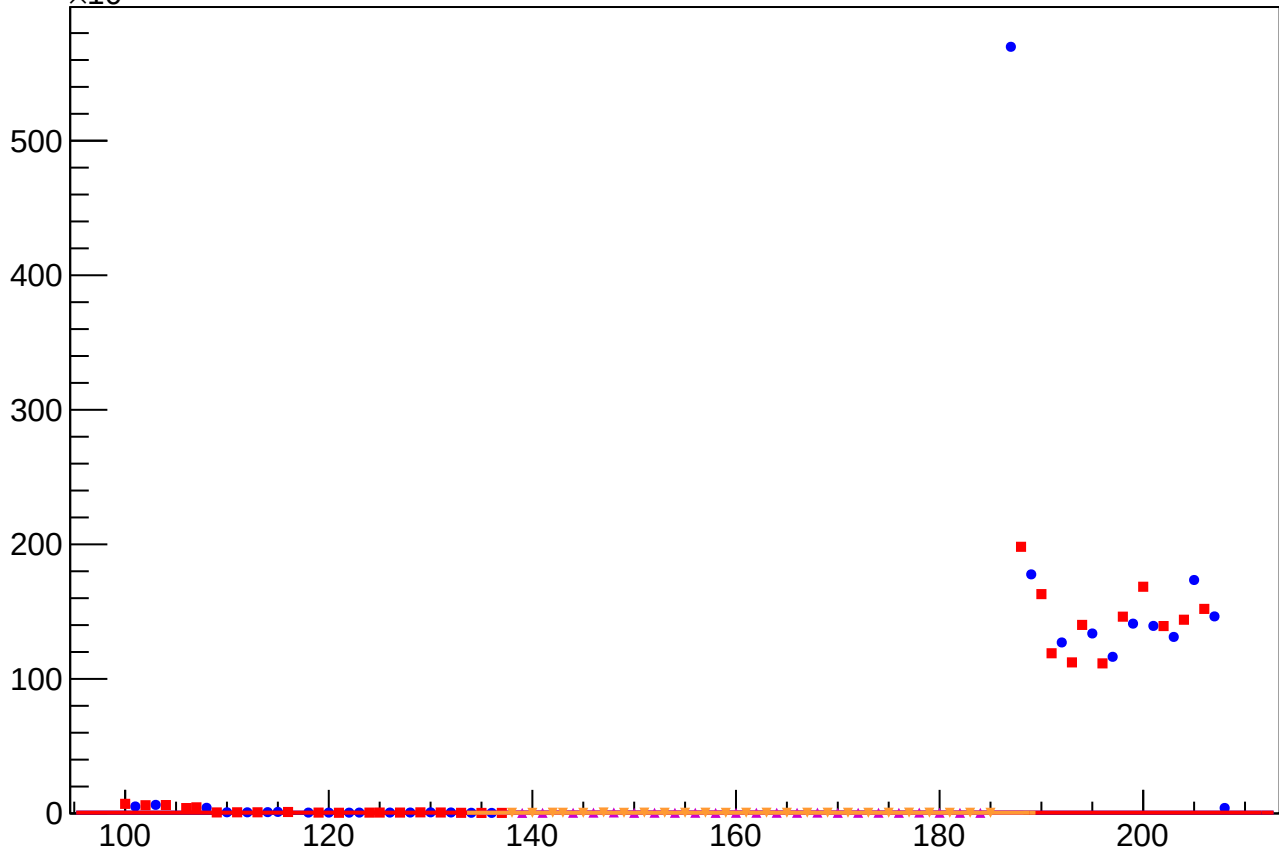
+ sign 0.187 ± 0.112 χ^2/NDF : 50.6/52

All: 0.164 ± 0.080 χ^2/NDF : 111.9/106

- sign 0.139 ± 0.113 χ^2/NDF : 61.2/53

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 620.998 $\pm$ 0.191 χ^2 /NDF: 17829935.4/27

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

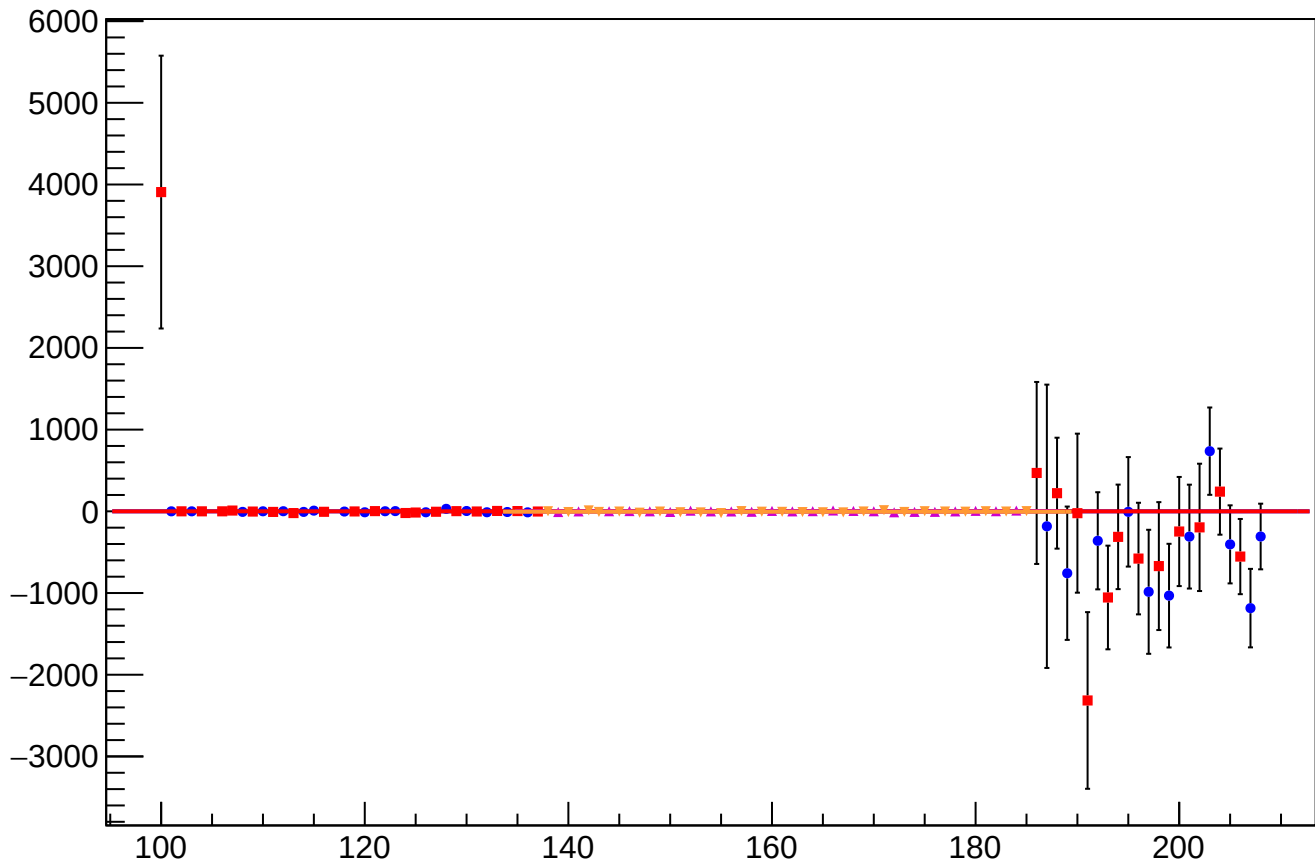
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 539.218 $\pm$ 0.079 χ^2 /NDF: 18382330.5/52

All: 537.249 $\pm$ 0.056 χ^2 /NDF: 37326535.1/10

- 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 : 30.7/27

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 28.0/30

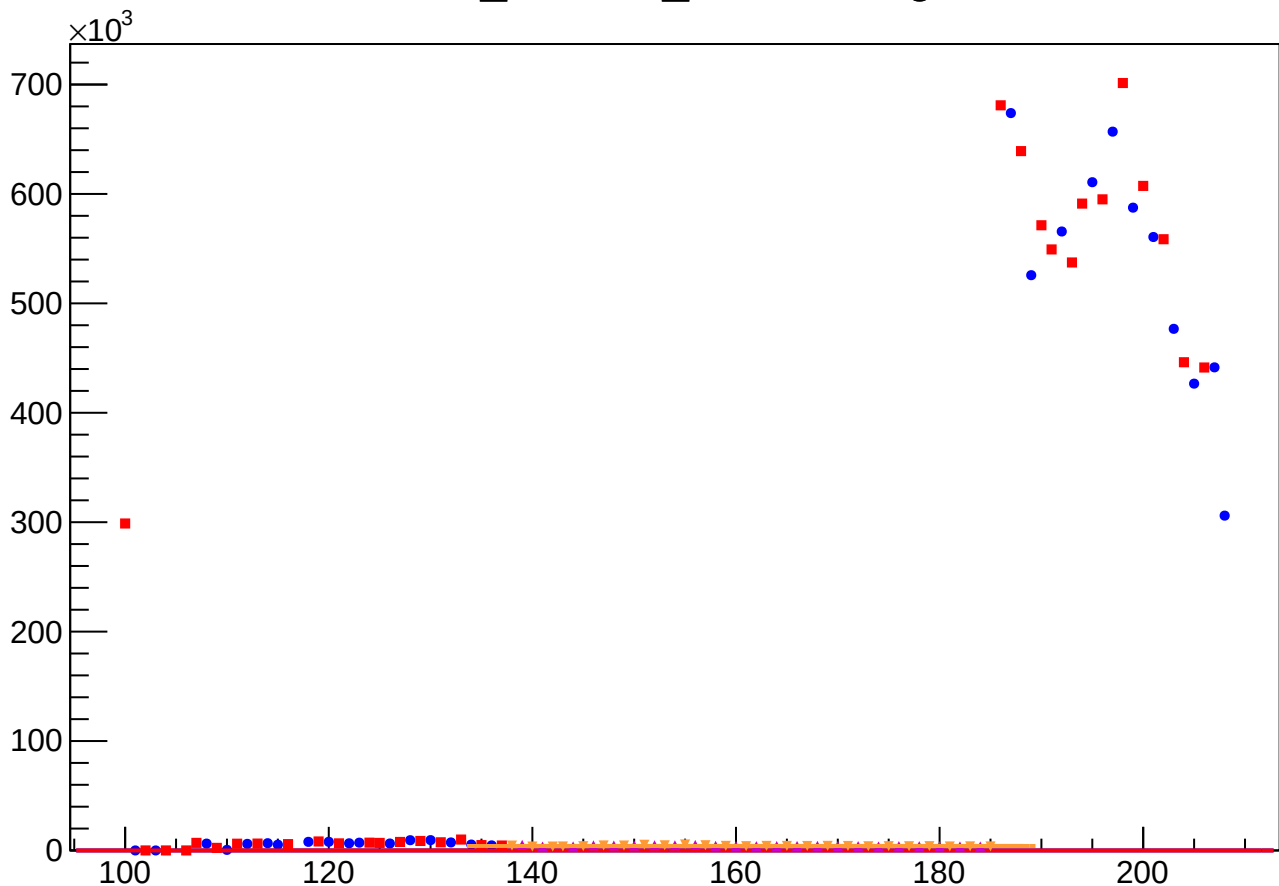
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 110.6/52

All: -0.025 ± 0.014 χ^2/NDF : 167.9/106

- sign -0.027 ± 0.020 χ^2/NDF : 57.3/53

diff_cav4dX_rms vs Slug



Right In: 17.342 $\pm$ 0.015 χ^2 /NDF: 25723353.4/27

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

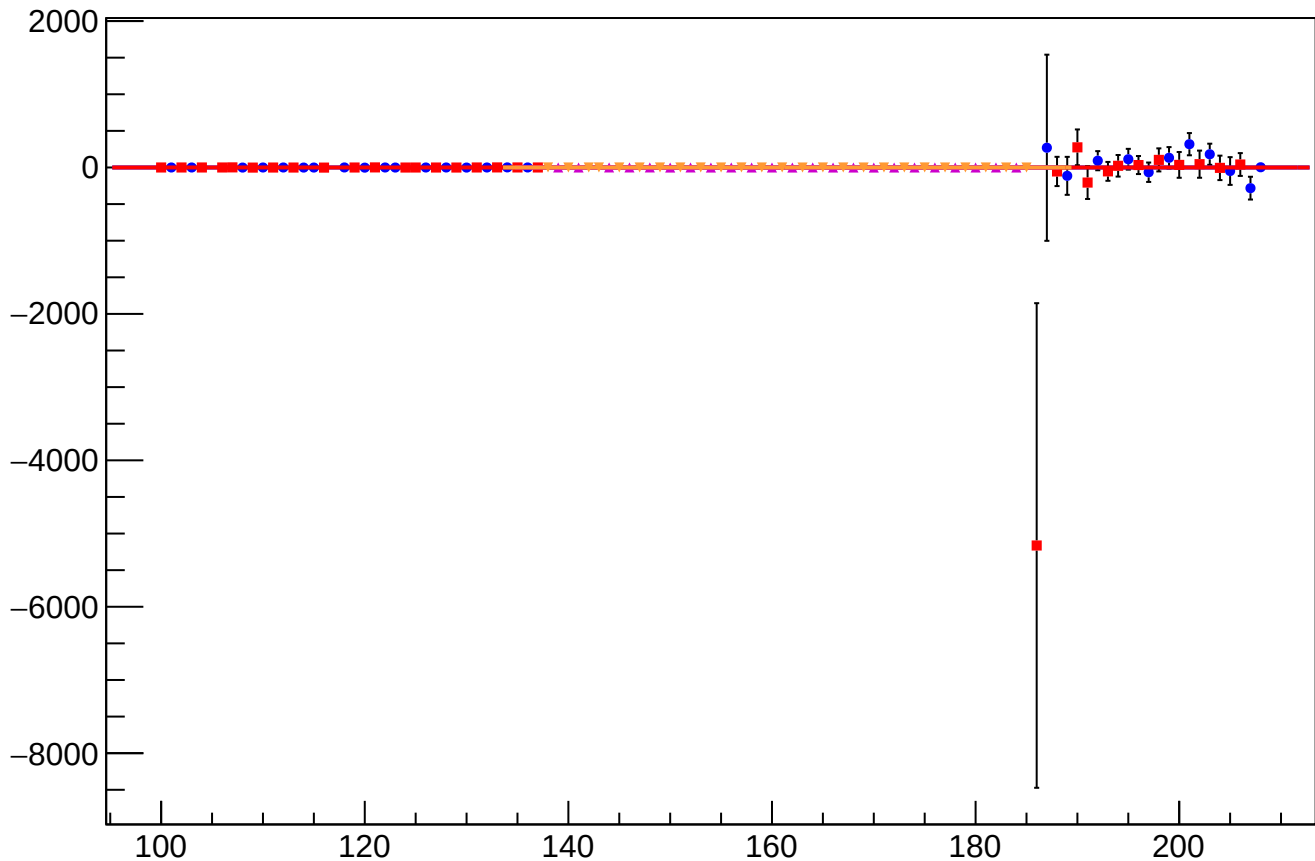
Left In: 4113.744 $\pm$ 0.700 χ^2 /NDF: 354965.8/22

+ sign 19.262 $\pm$ 0.015 χ^2 /NDF: 62173387.7/52

All: 19.075 $\pm$ 0.010 χ^2 /NDF: 123429093.6/100

- sign 18.906 $\pm$ 0.014 χ^2 /NDF: 61255397.4/53

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 27.3/27

Left Out: 0.151 ± 0.076 χ^2/NDF : 16.8/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 23.6/30

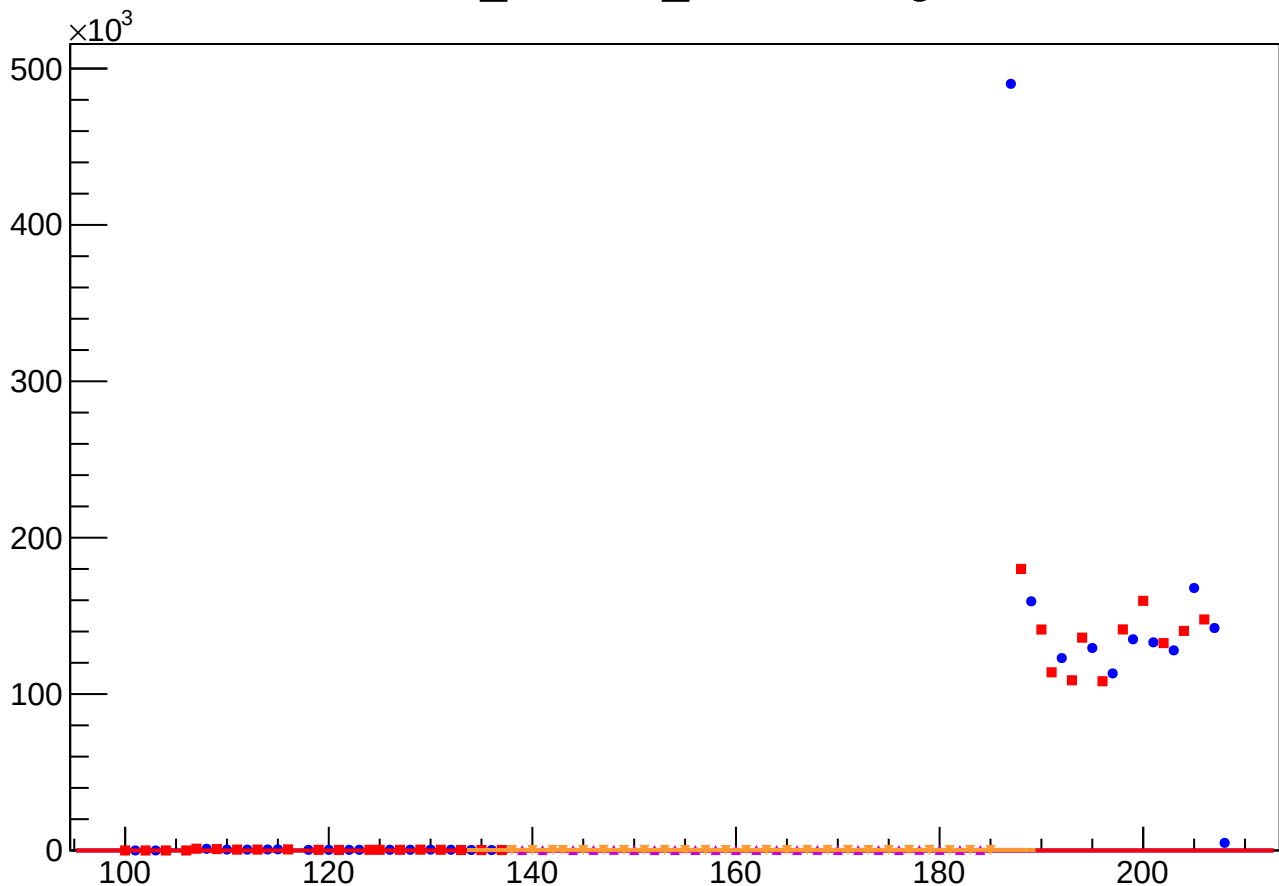
Left In: 0.075 ± 0.078 χ^2/NDF : 34.8/22

+ sign 0.000 ± 0.002 χ^2/NDF : 48.0/52

All: 0.001 ± 0.001 χ^2/NDF : 107.3/106

- sign 0.001 ± 0.002 χ^2/NDF : 59.3/53

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 26025254.3/27

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 25662898.9/29

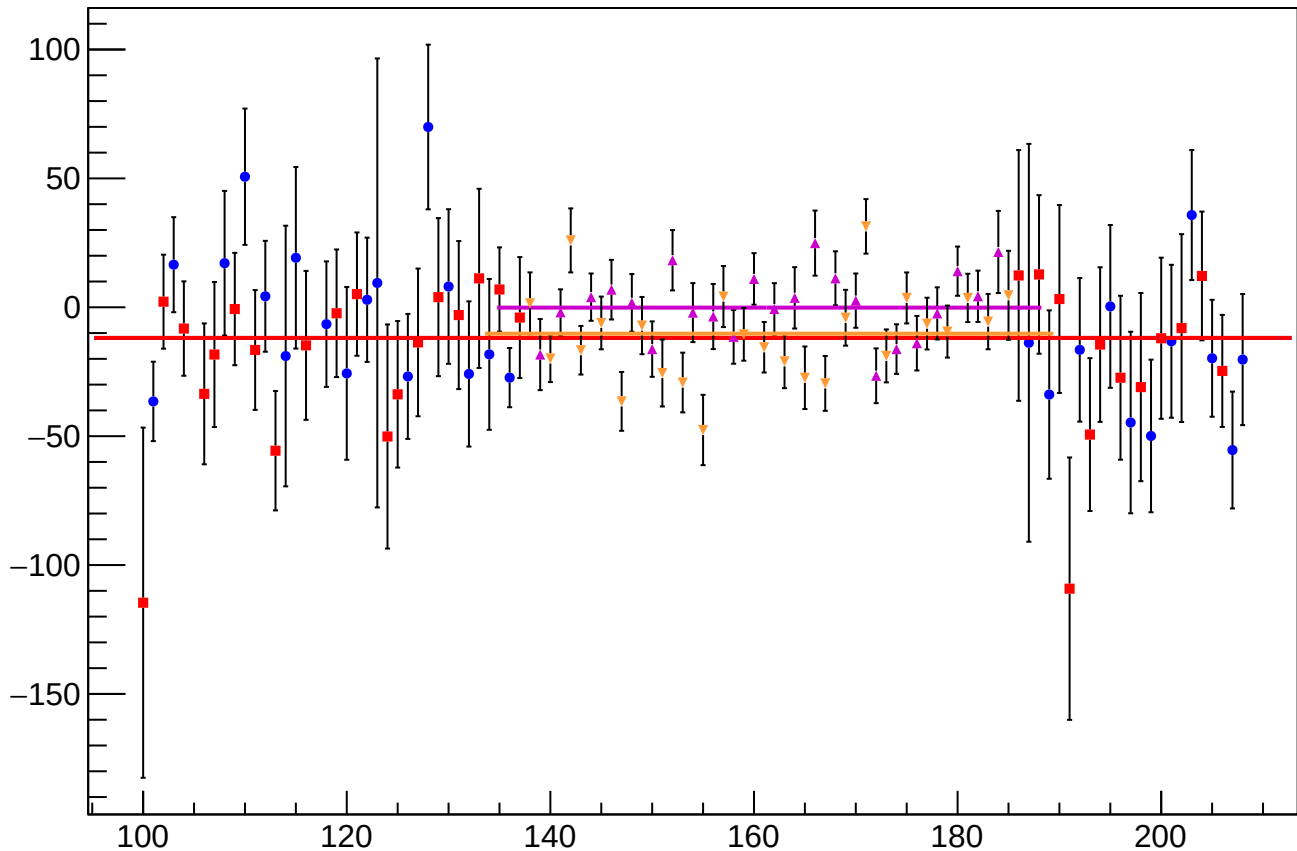
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.927 $\pm$ 0.001 χ^2 /NDF: 62337476.0/52

All: 1.926 $\pm$ 0.001 χ^2 /NDF: 122399411.8/105

- sign 1.926 $\pm$ 0.001 χ^2 /NDF: 60061935.6/52

diff_bpm4aX_mean vs Slug



Right In: -11.892 ± 4.717 χ^2/NDF : 33.7/27

Left Out: -10.235 ± 2.167 χ^2/NDF : 58.0/24

Right Out: -11.881 ± 4.824 χ^2/NDF : 19.9/30

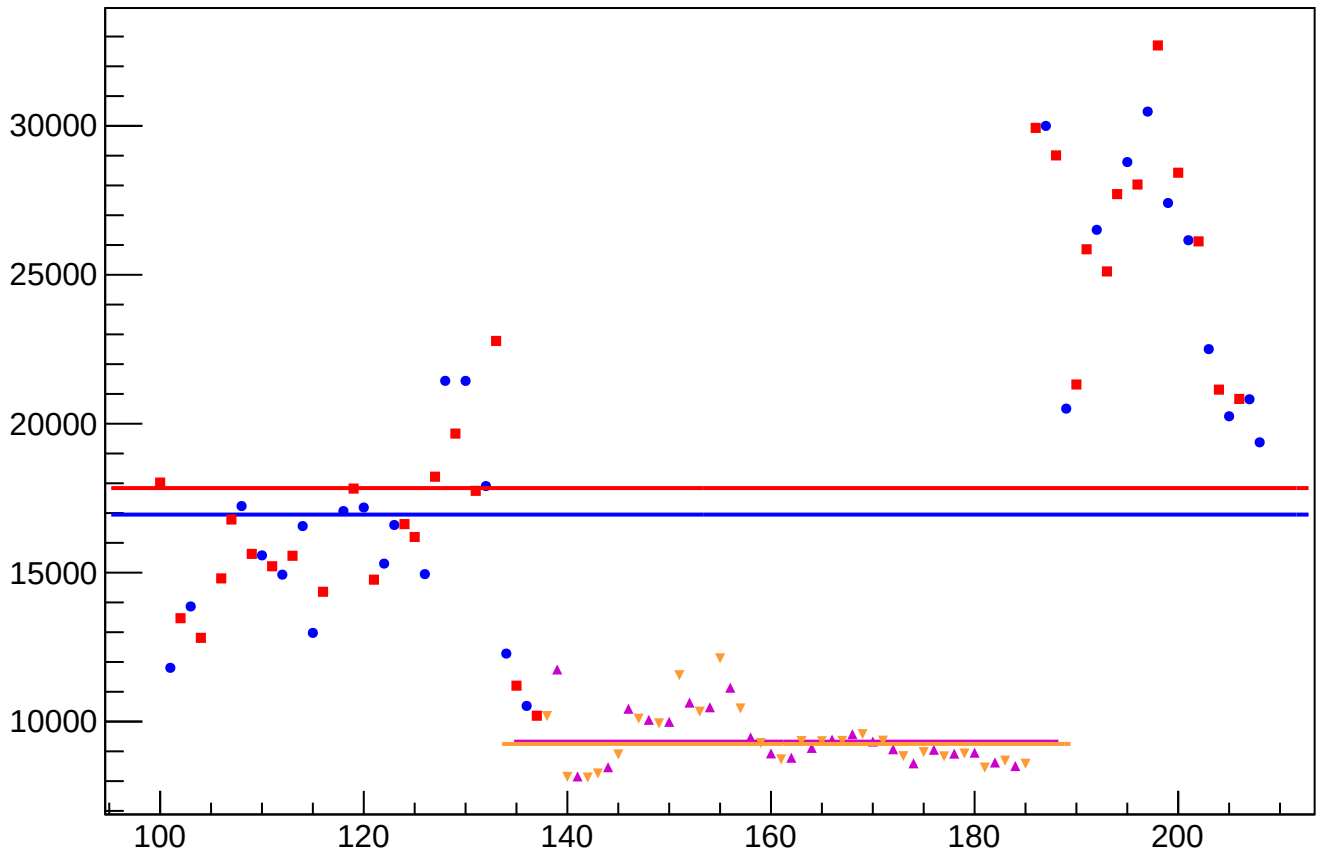
Left In: -0.130 ± 2.242 χ^2/NDF : 29.8/22

+ sign -10.523 ± 1.969 χ^2/NDF : 91.8/52

All: -6.504 ± 1.414 χ^2/NDF : 155.0/106

- sign -2.217 ± 2.033 χ^2/NDF : 54.6/53

diff_bpm4aX_rms vs Slug



Right In: 16949.110+/-3.335 χ^2/NDF : 2665464.9/27

Left Out: 9249.358+/-1.532 χ^2/NDF : 332003.4/24

Right Out: 17839.216+/-3.411 χ^2/NDF : 2753747.7/30

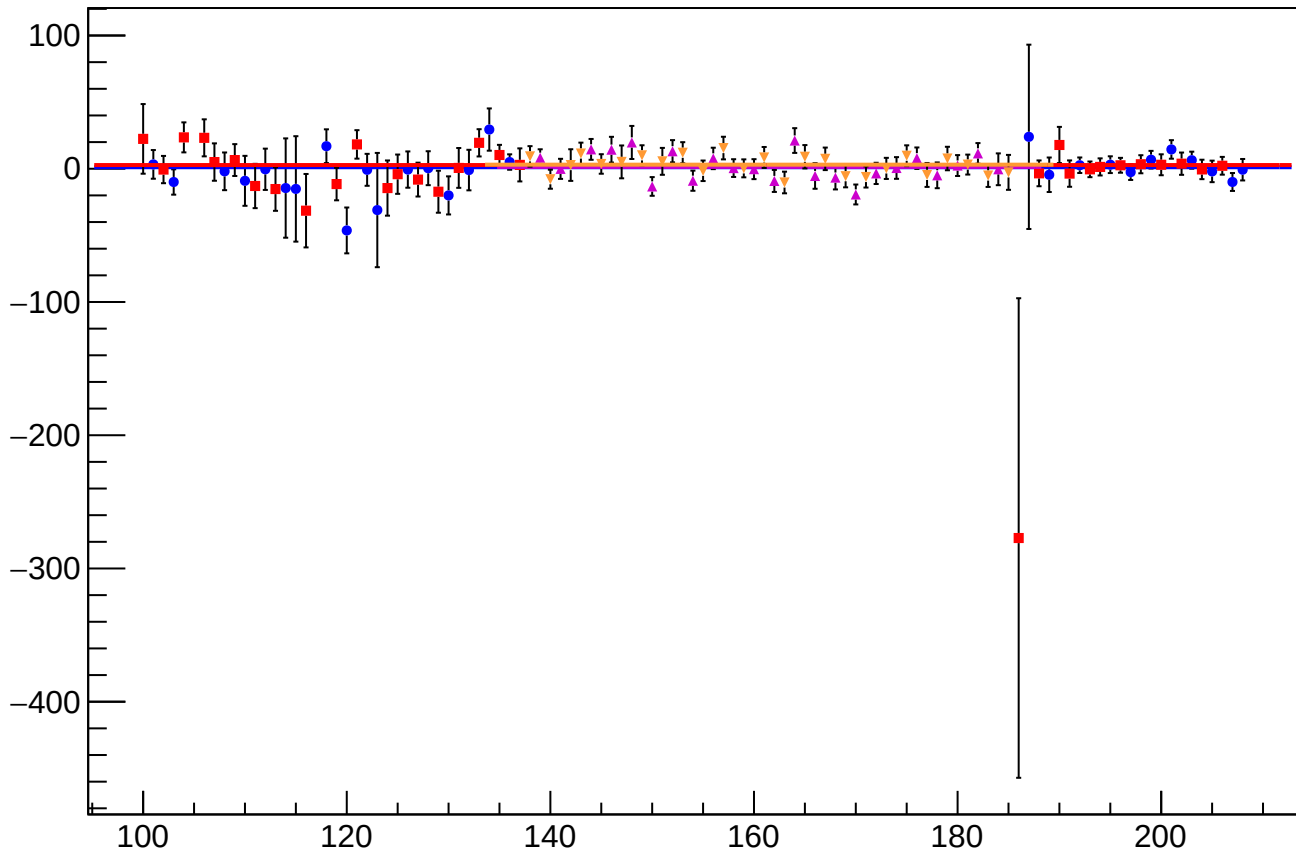
Left In: 9325.112+/-1.585 χ^2/NDF : 280927.7/22

+ sign 10590.805+/-1.392 χ^2/NDF : 7398002.5/52

All: 10710.237+/-1.000 χ^2/NDF : 15570752.6

- sign 10837.614+/-1.438 χ^2/NDF : 8157542.0/53

diff_bpm4aY_mean vs Slug



Right In: 1.145 ± 1.781 $\chi^2/\text{NDF}: 26.6/27$

Left Out: 3.062 ± 1.659 $\chi^2/\text{NDF}: 18.3/24$

Right Out: 2.778 ± 1.767 $\chi^2/\text{NDF}: 25.5/30$

Left In: 1.394 ± 1.693 $\chi^2/\text{NDF}: 35.4/22$

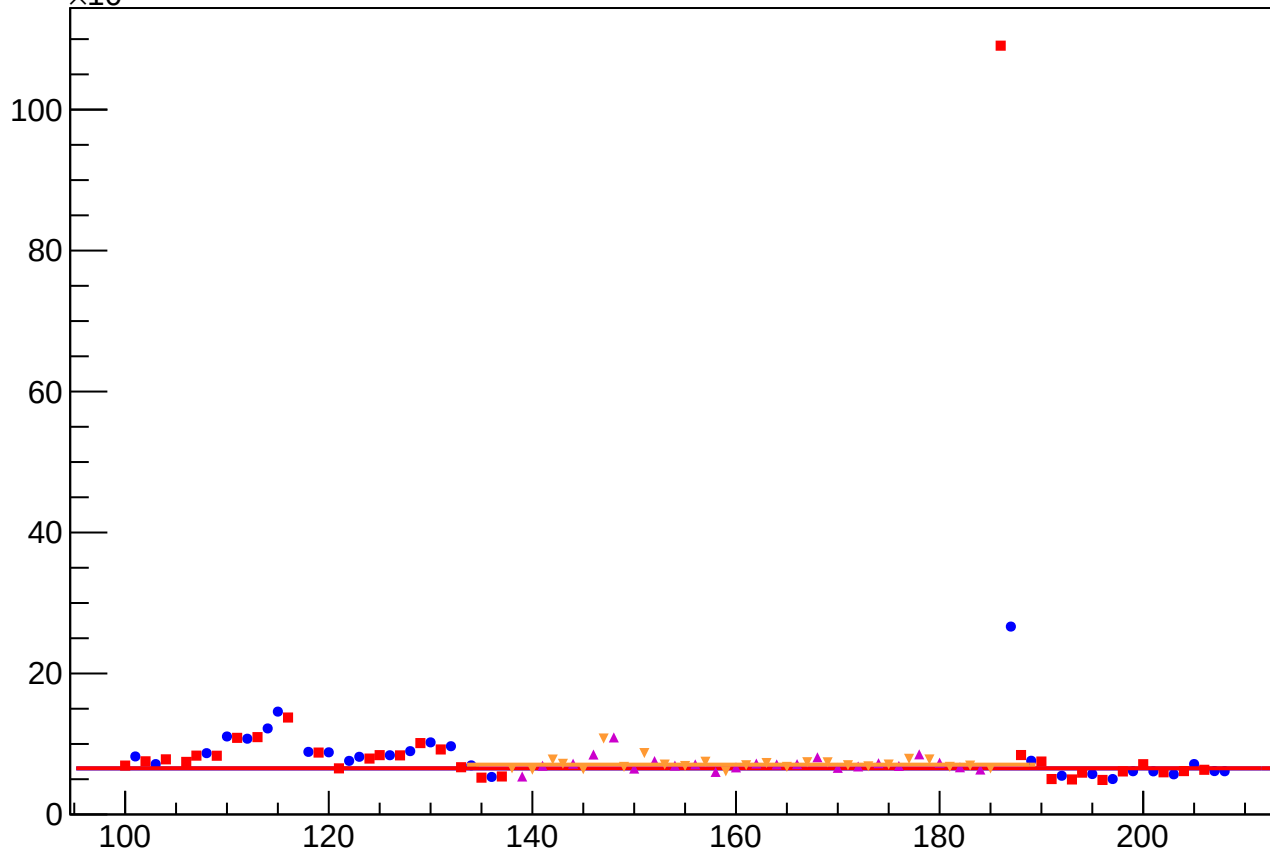
+ sign 2.171 ± 1.214 $\chi^2/\text{NDF}: 45.5/52$

All: 2.114 ± 0.861 $\chi^2/\text{NDF}: 106.6/106$

- sign 2.057 ± 1.222 $\chi^2/\text{NDF}: 61.2/53$

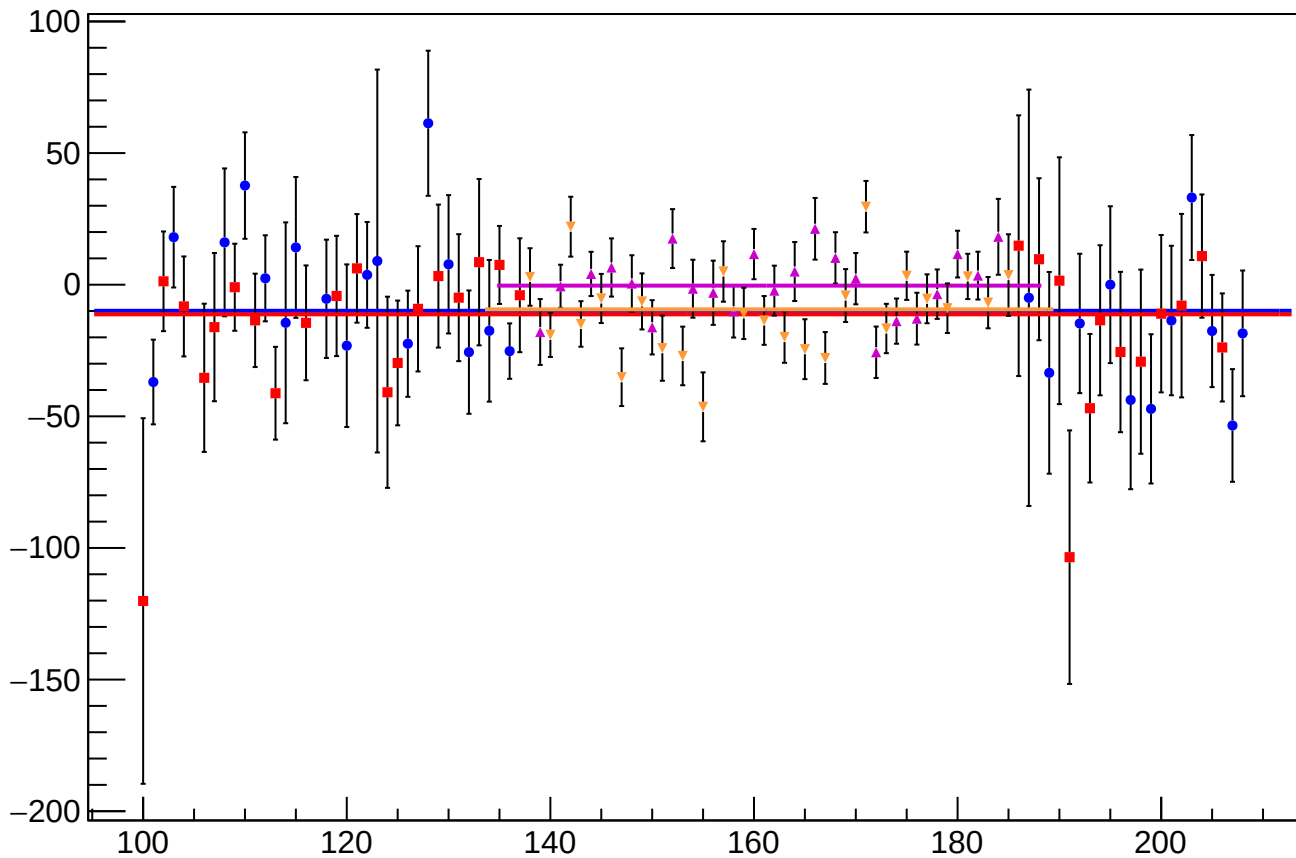
diff_bpm4aY_rms vs Slug

$\times 10^3$



Right In: 6525.175 ± 1.259 $\chi^2/\text{NDF}: 1525085.8/27$ + sign 6815.170 ± 0.858 $\chi^2/\text{NDF}: 2011607.0/52$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 6801.138 ± 0.609 $\chi^2/\text{NDF}: 4730307.7/10$
 Right Out: 6554.334 ± 1.249 $\chi^2/\text{NDF}: 2101636.0/30$ - sign 6786.906 ± 0.864 $\chi^2/\text{NDF}: 2718162.3/53$
 Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

diff_bpm4eX_mean vs Slug



Right In: -9.915 ± 4.305 χ^2/NDF : 34.6/27

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -11.258 ± 4.357 χ^2/NDF : 19.4/30

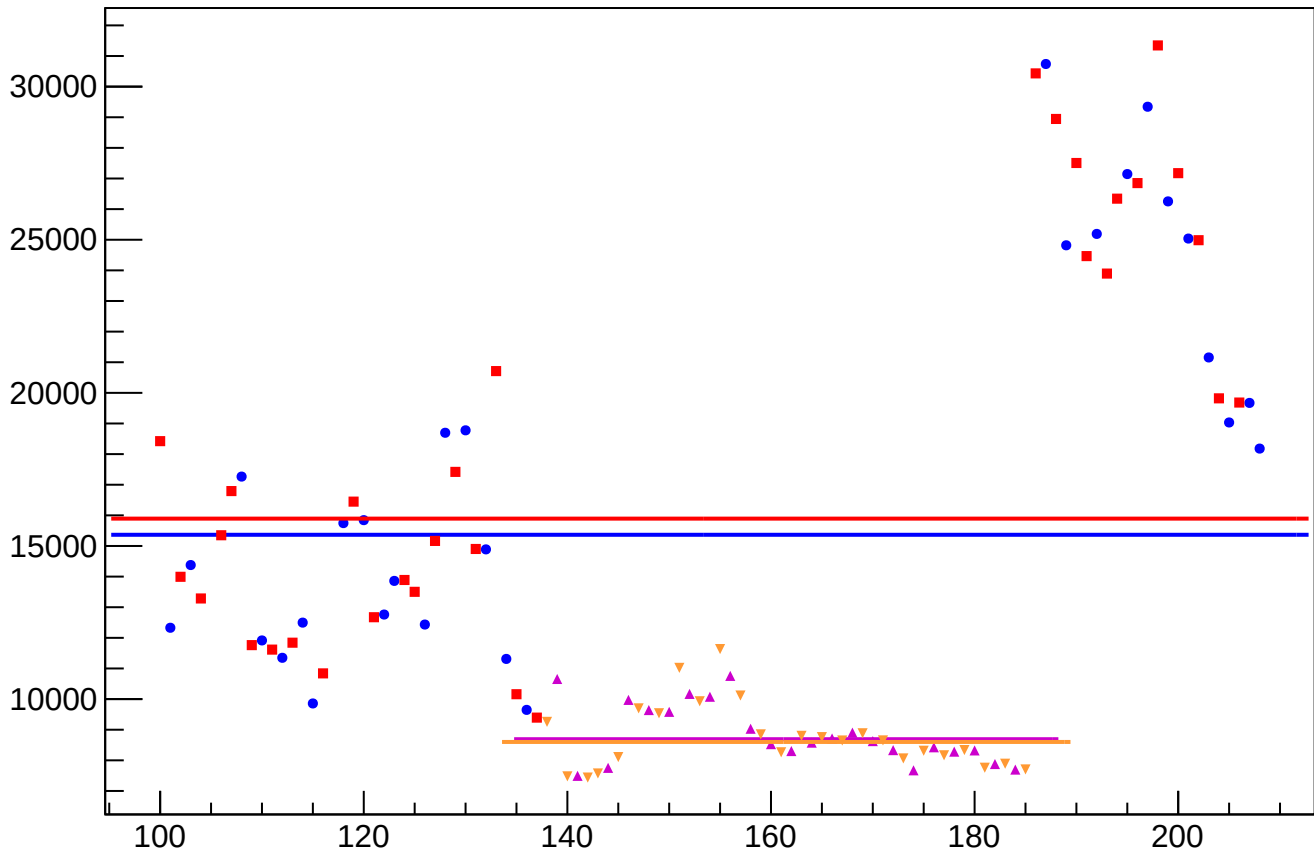
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -9.473 ± 1.827 χ^2/NDF : 93.1/52

All: -6.047 ± 1.312 χ^2/NDF : 154.5/106

- sign -2.396 ± 1.886 χ^2/NDF : 54.1/53

diff_bpm4eX_rms vs Slug



Right In: 15365.536+/-3.044 χ^2/NDF : 3077688.9/27

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 15893.414+/-3.081 χ^2/NDF : 3474648.8/30

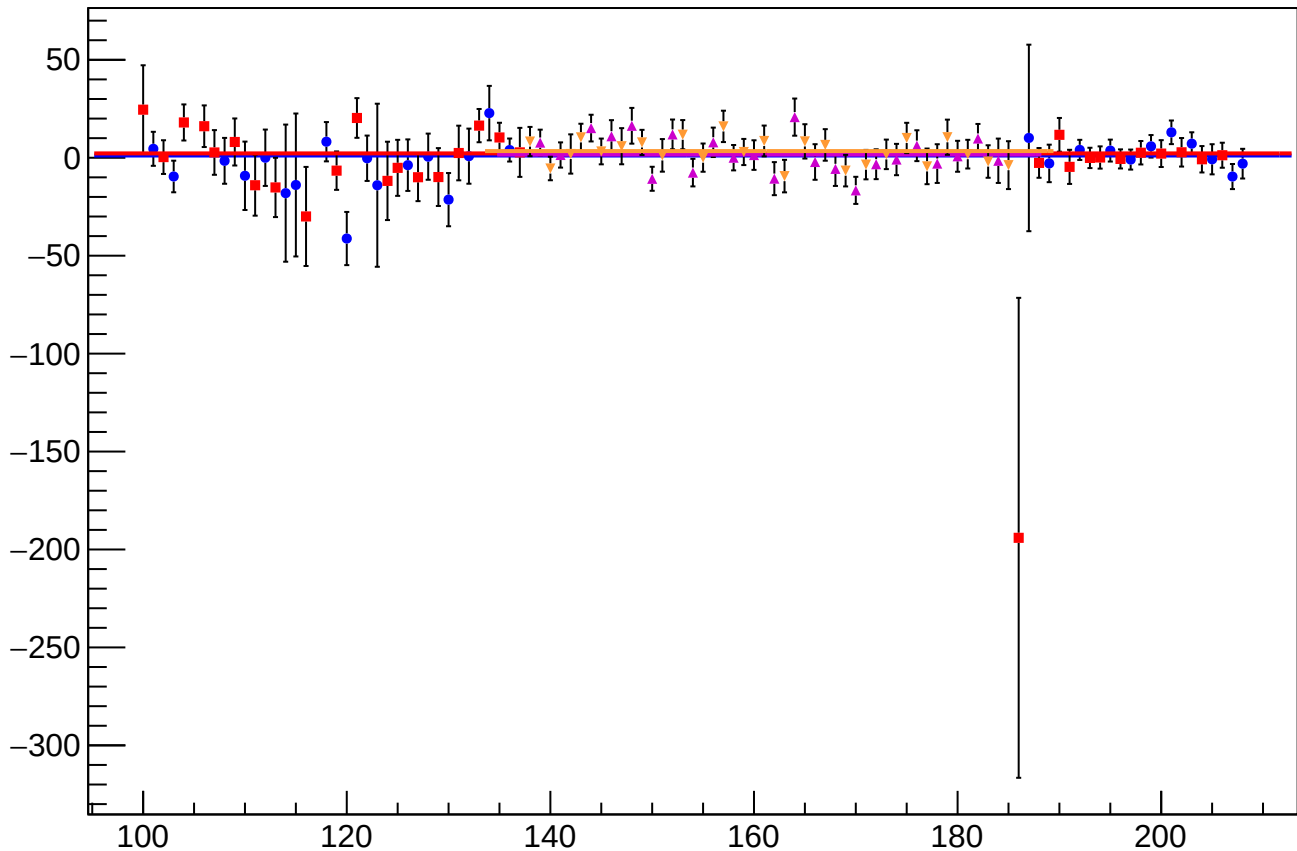
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 9818.827+/-1.292 χ^2/NDF : 7564905.5/52

All: 9925.760+/-0.928 χ^2/NDF : 15865900.7/100

- sign 10039.715+/-1.334 χ^2/NDF : 8286843.3/53

diff_bpm4eY_mean vs Slug



Right In: 1.149 ± 1.597 $\chi^2/\text{NDF}: 28.4/27$

Left Out: 3.406 ± 1.550 $\chi^2/\text{NDF}: 16.8/24$

Right Out: 2.224 ± 1.559 $\chi^2/\text{NDF}: 26.0/30$

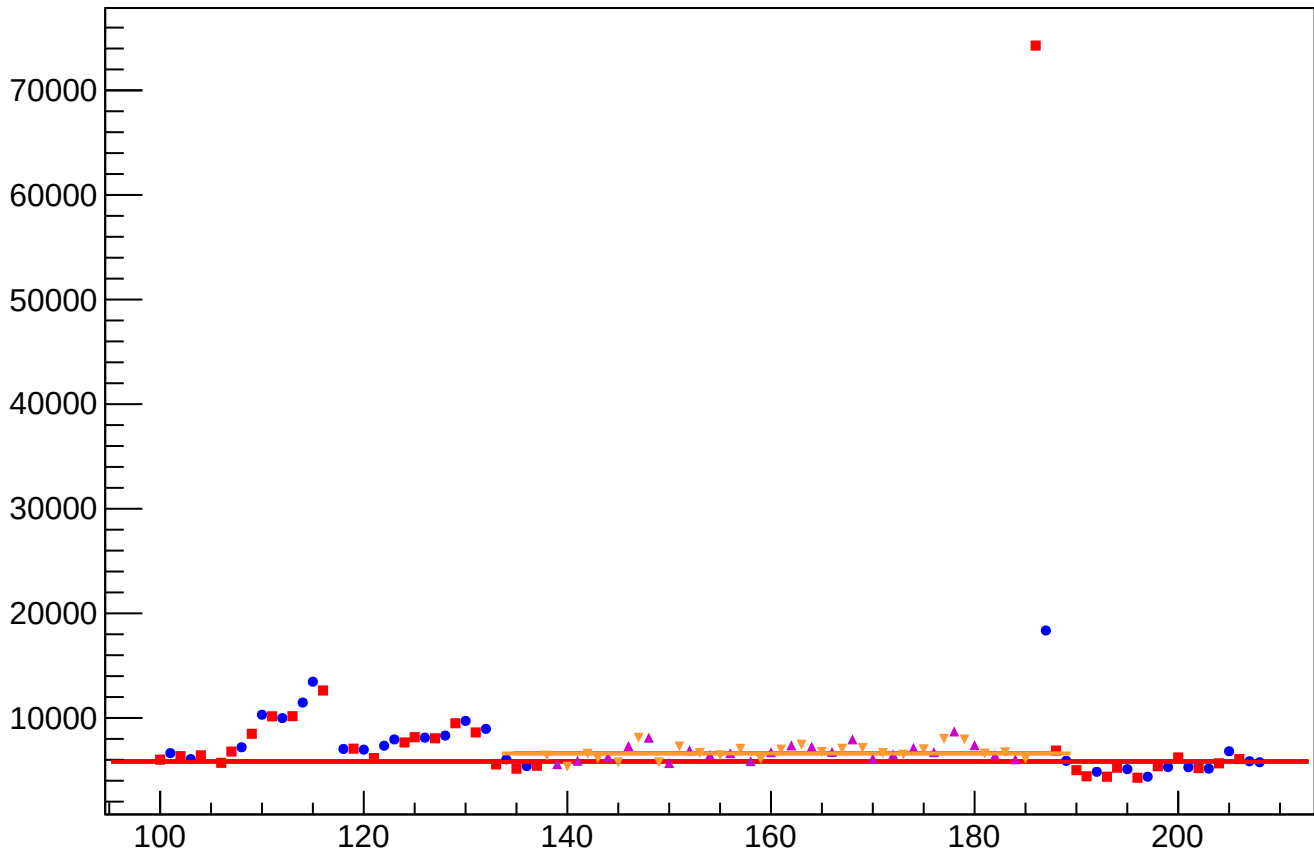
Left In: 1.627 ± 1.599 $\chi^2/\text{NDF}: 33.5/22$

+ sign 2.311 ± 1.113 $\chi^2/\text{NDF}: 46.3/52$

All: 2.123 ± 0.788 $\chi^2/\text{NDF}: 105.9/106$

- sign 1.933 ± 1.116 $\chi^2/\text{NDF}: 59.6/53$

diff_bpm4eY_rms vs Slug



Right In: 5865.504 $\pm$ 1.130 χ^2 /NDF: 1486394.6/27

Left Out: 6607.100 $\pm$ 1.096 χ^2 /NDF: 398416.1/24

Right Out: 5803.686 $\pm$ 1.102 χ^2 /NDF: 2132974.5/30

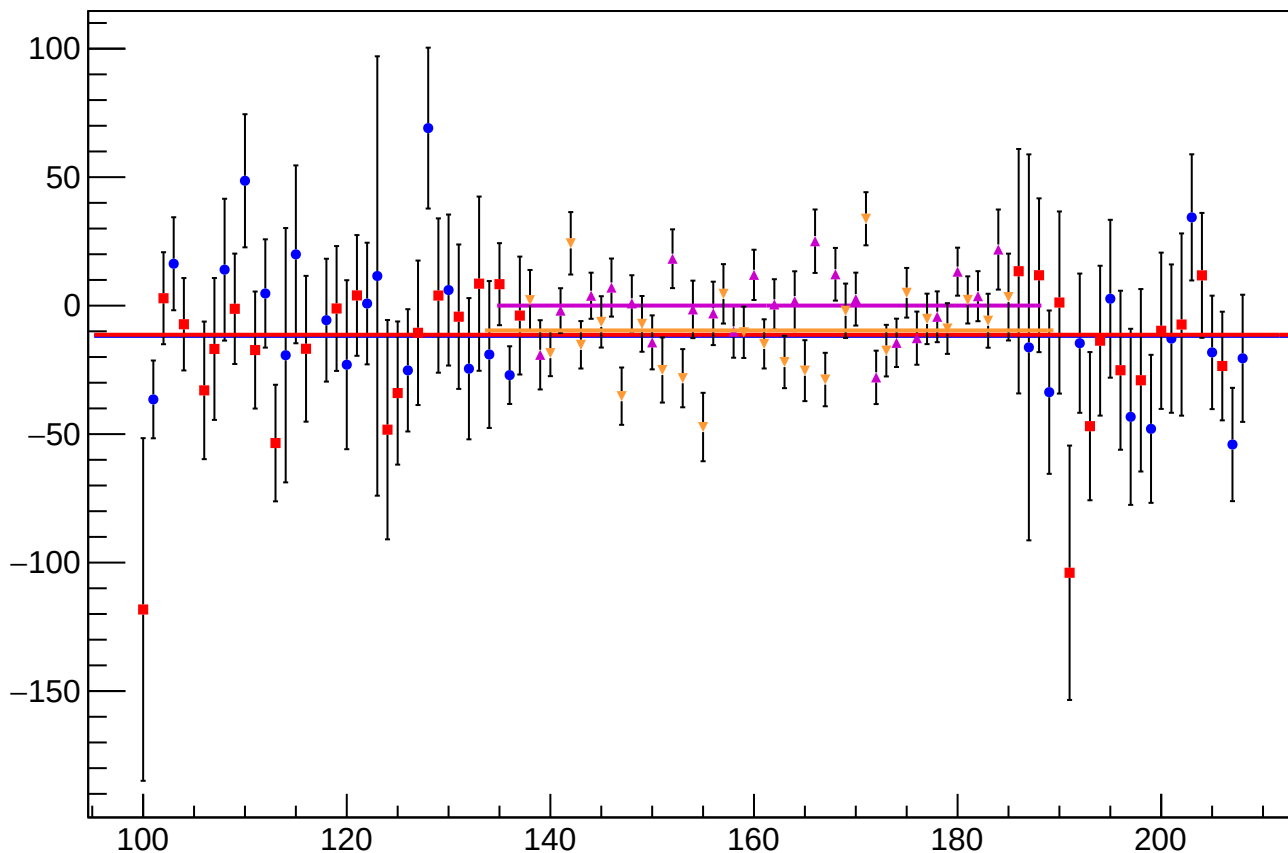
Left In: 6628.653 $\pm$ 1.131 χ^2 /NDF: 430282.2/22

+ sign 6247.383 $\pm$ 0.787 χ^2 /NDF: 2106756.7/52

All: 6226.582 $\pm$ 0.557 χ^2 /NDF: 4944351.8/10

- sign 6205.645 $\pm$ 0.789 χ^2 /NDF: 2836192.4/53

diff_bpm4acX_mean vs Slug



Right In: -11.769 ± 4.613 χ^2/NDF : 33.4/27

Left Out: -9.649 ± 2.118 χ^2/NDF : 59.8/24

Right Out: -11.331 ± 4.720 χ^2/NDF : 19.8/30

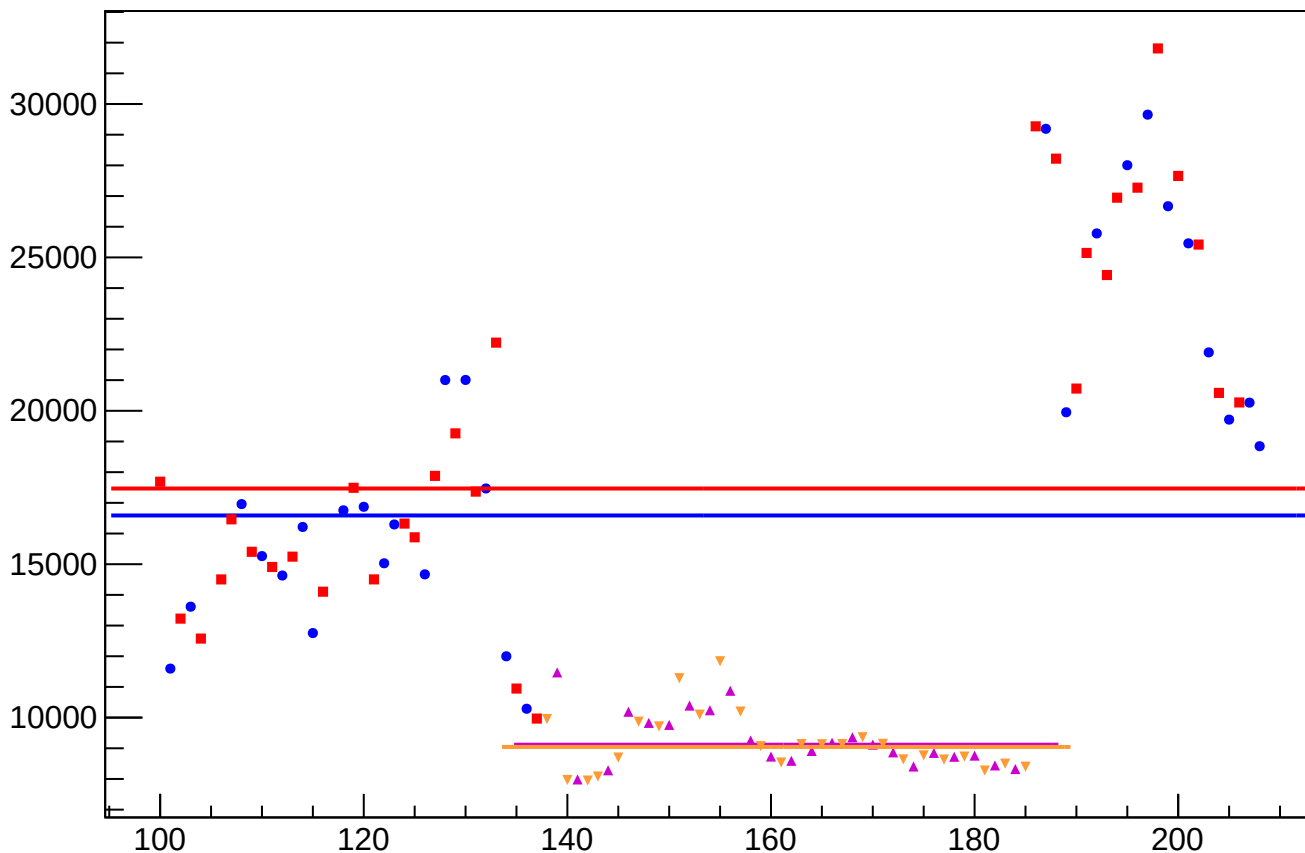
Left In: 0.019 ± 2.192 χ^2/NDF : 30.6/22

+ sign -10.018 ± 1.925 χ^2/NDF : 93.4/52

All: -6.135 ± 1.383 χ^2/NDF : 157.0/106

- sign -1.995 ± 1.988 χ^2/NDF : 55.1/53

diff_bpm4acX_rms vs Slug



Right In: 16588.878+/-3.262 χ^2/NDF : 2625267.4/27

Left Out: 9043.485+/-1.498 χ^2/NDF :328192.2/24

Right Out: 17467.163+/-3.337 χ^2/NDF : 2707269.6/30

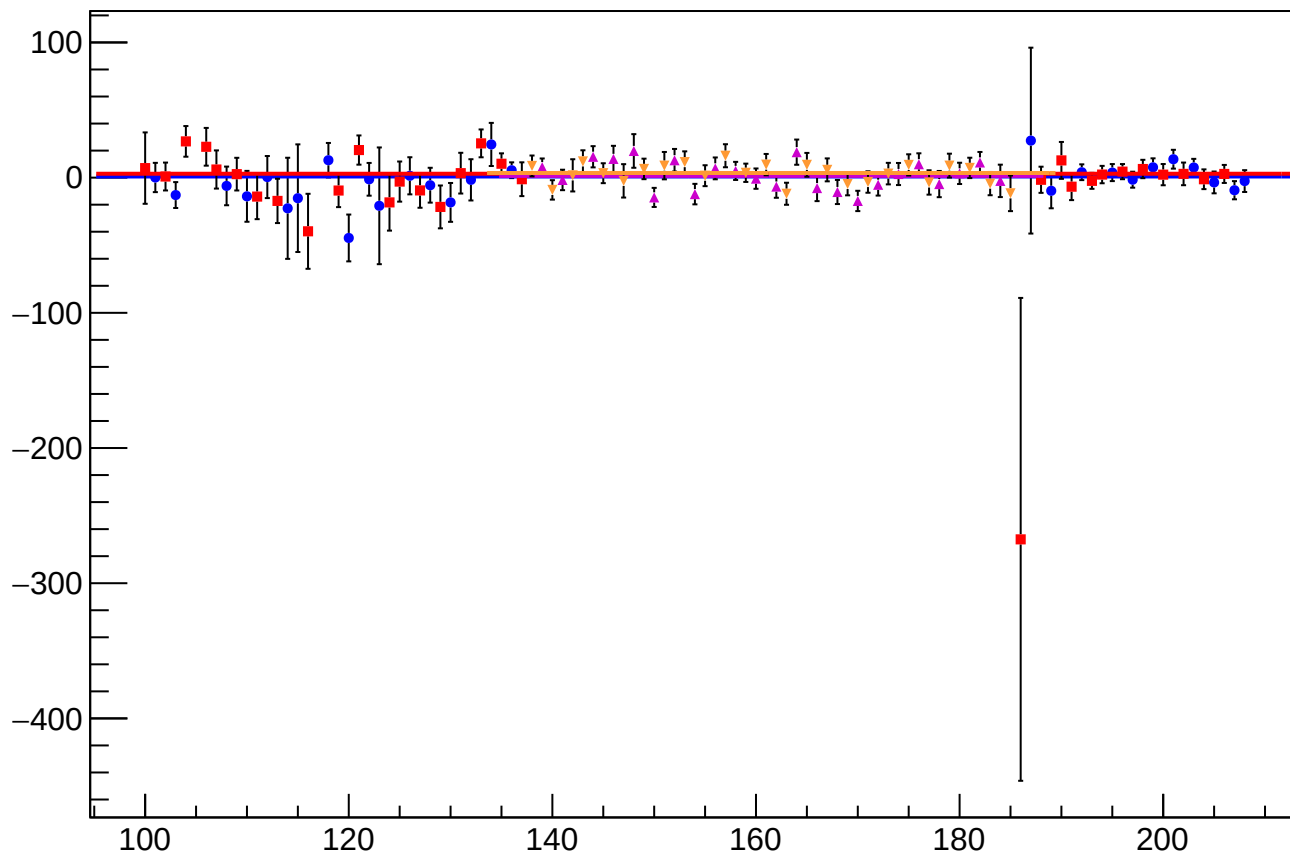
Left In: 9116.921+/-1.550 χ^2/NDF :277594.8/22

+ sign 10357.310+/-1.361 χ^2/NDF : 7372248.6/52

All: 10474.048+/-0.978 χ^2/NDF : 15522129.5

- sign 10598.558+/-1.406 χ^2/NDF : 8134680.8/53

diff_bpm4acY_mean vs Slug



Right In: 0.854 ± 1.787 χ^2/NDF : 26.2/27

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 2.880 ± 1.774 χ^2/NDF : 30.9/30

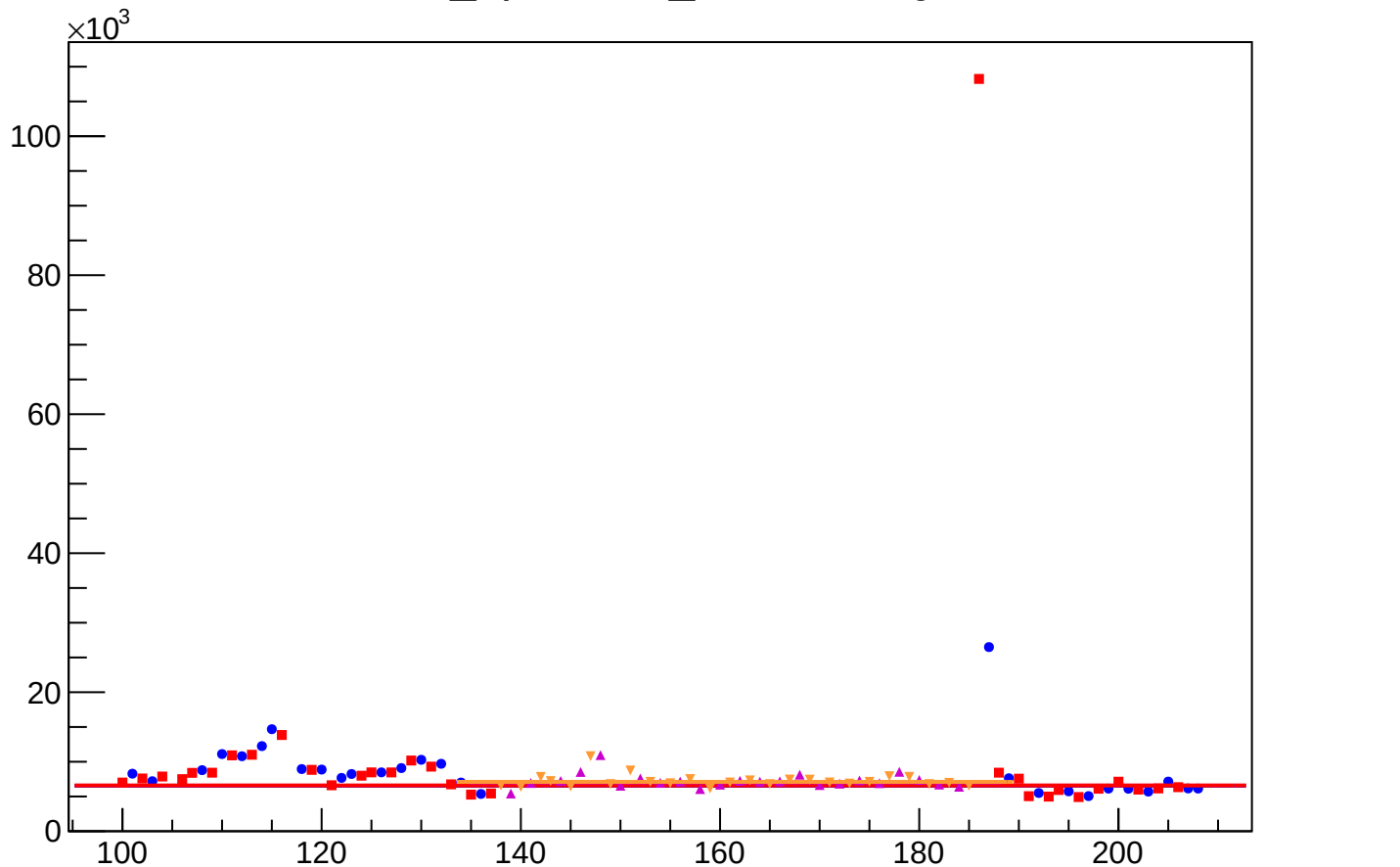
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.237 ± 1.219 χ^2/NDF : 46.2/52

All: 2.145 ± 0.865 χ^2/NDF : 114.0/106

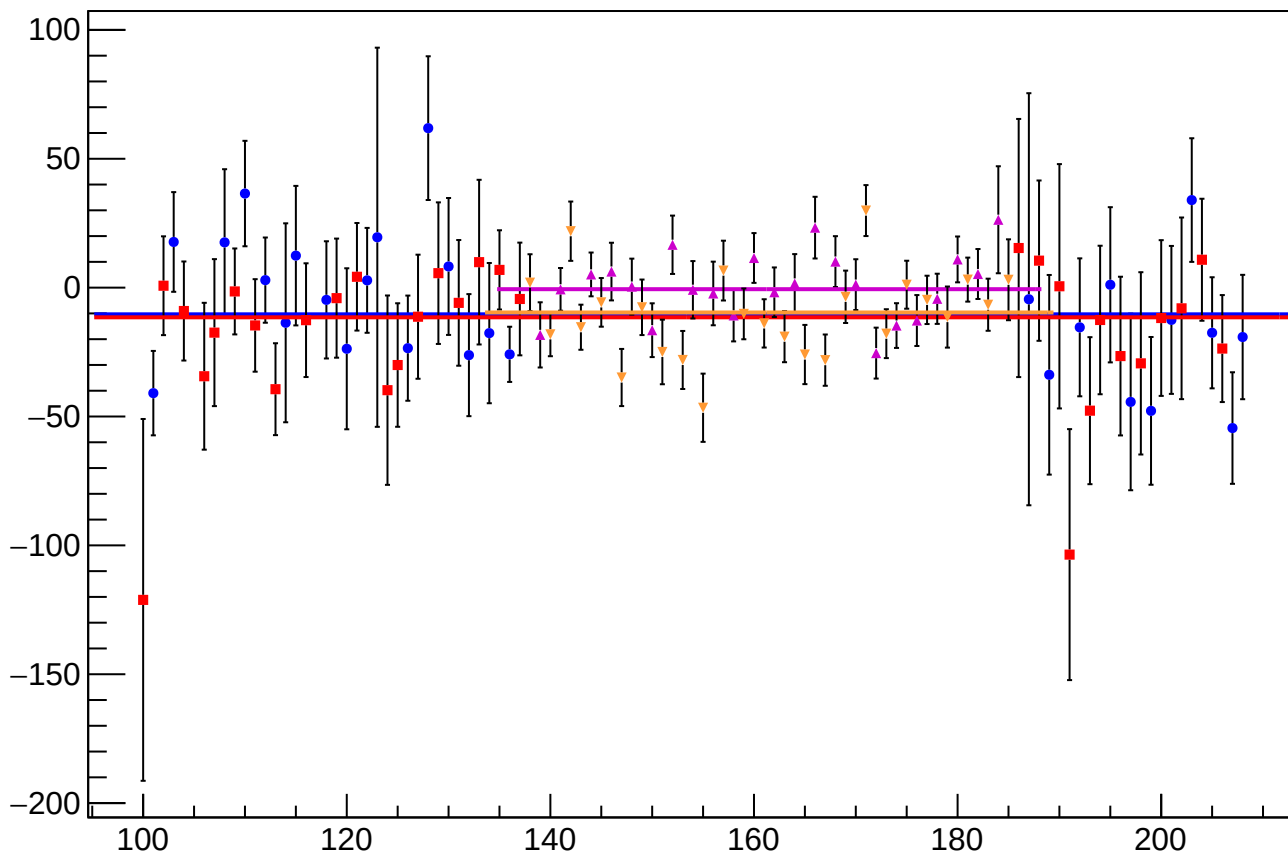
- sign 2.052 ± 1.228 χ^2/NDF : 67.8/53

diff_bpm4acY_rms vs Slug



Right In: 6547.334 ± 1.263 $\chi^2/\text{NDF}: 1534532.6/27$ + sign 6842.285 ± 0.862 $\chi^2/\text{NDF}: 2018961.6/52$
 Left Out: 7098.726 ± 1.178 $\chi^2/\text{NDF}: 382550.4/24$ All: 6829.745 ± 0.612 $\chi^2/\text{NDF}: 4735293.1/10$
 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: -10.357 ± 4.360 χ^2/NDF : 35.3/27

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -11.517 ± 4.416 χ^2/NDF : 18.5/30

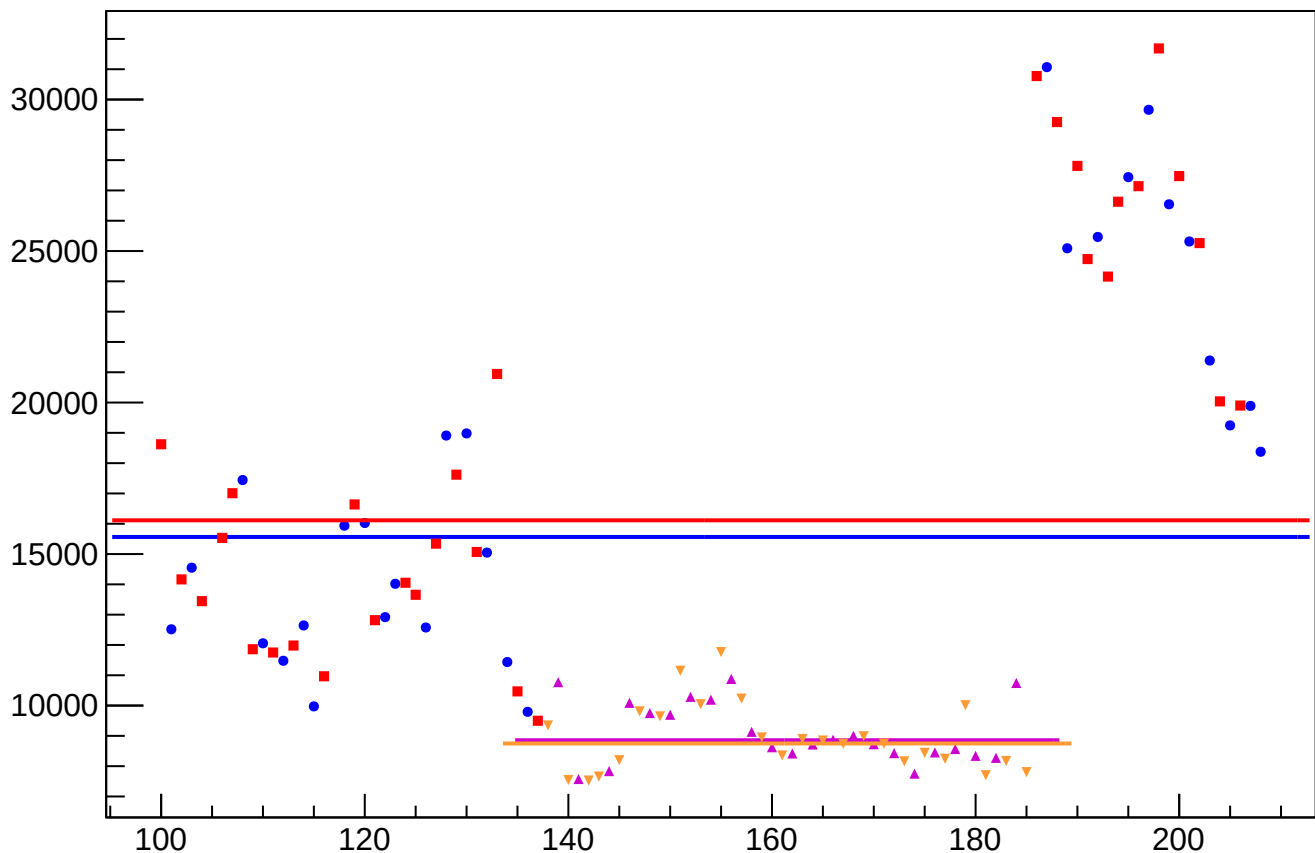
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -9.771 ± 1.861 χ^2/NDF : 93.0/52

All: -6.335 ± 1.337 χ^2/NDF : 153.1/106

- sign -2.668 ± 1.922 χ^2/NDF : 53.1/53

diff_bpm4ecX_rms vs Slug



Right In: 15564.038+/-3.083 χ^2/NDF : 3056777.1/27

Left Out: 8748.407+/-1.455 χ^2/NDF :463394.1/24

Right Out: 16113.605+/-3.123 χ^2/NDF : 3439563.5/30

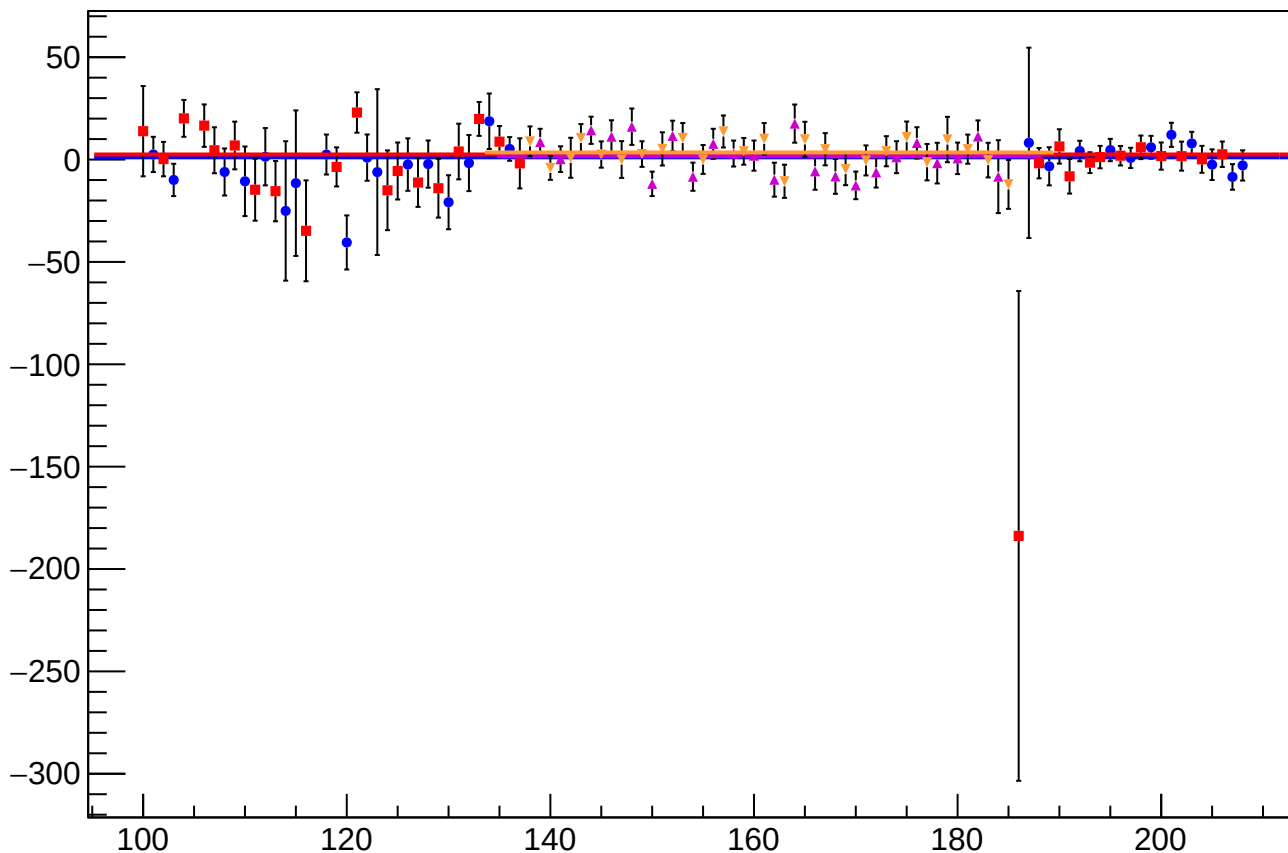
Left In: 8855.591+/-1.510 χ^2/NDF :367542.7/22

+ sign 9989.447+/-1.316 χ^2/NDF : 7517250.0/52

All: 10106.149+/-0.945 χ^2/NDF : 15719656.4

- sign 10230.707+/-1.359 χ^2/NDF : 8186139.5/53

diff_bpm4ecY_mean vs Slug



Right In: 1.096 $\pm$ 1.558 χ^2 /NDF: 28.3/27

Left Out: 3.473 $\pm$ 1.524 χ^2 /NDF:15.8/24

Right Out: 2.483 $\pm$ 1.520 χ^2 /NDF: 30.8/30

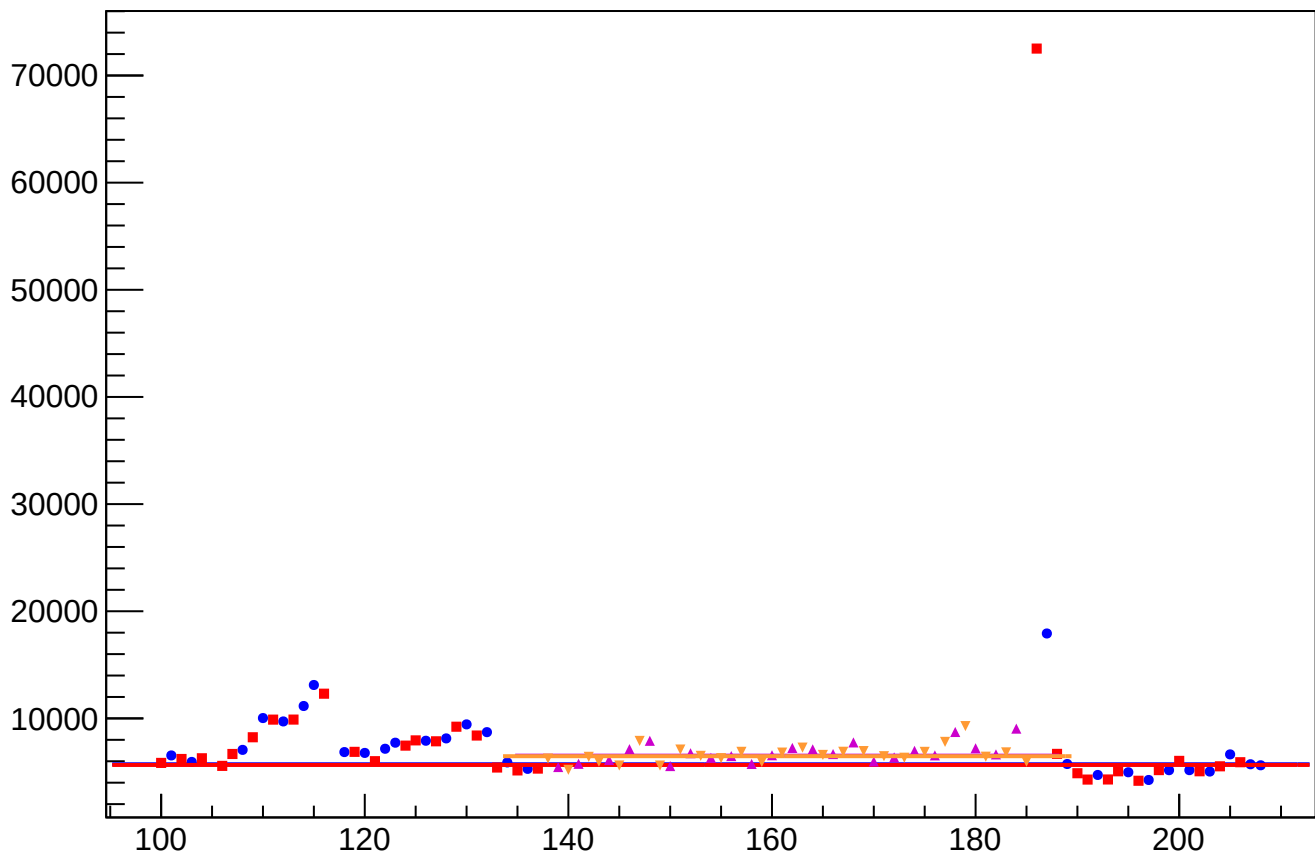
Left In: 1.638 $\pm$ 1.578 χ^2 /NDF:33.7/22

+ sign 2.311 $\pm$ 1.090 χ^2 /NDF: 45.2/52

All: 2.194 $\pm$ 0.772 χ^2 /NDF: 109.9/106

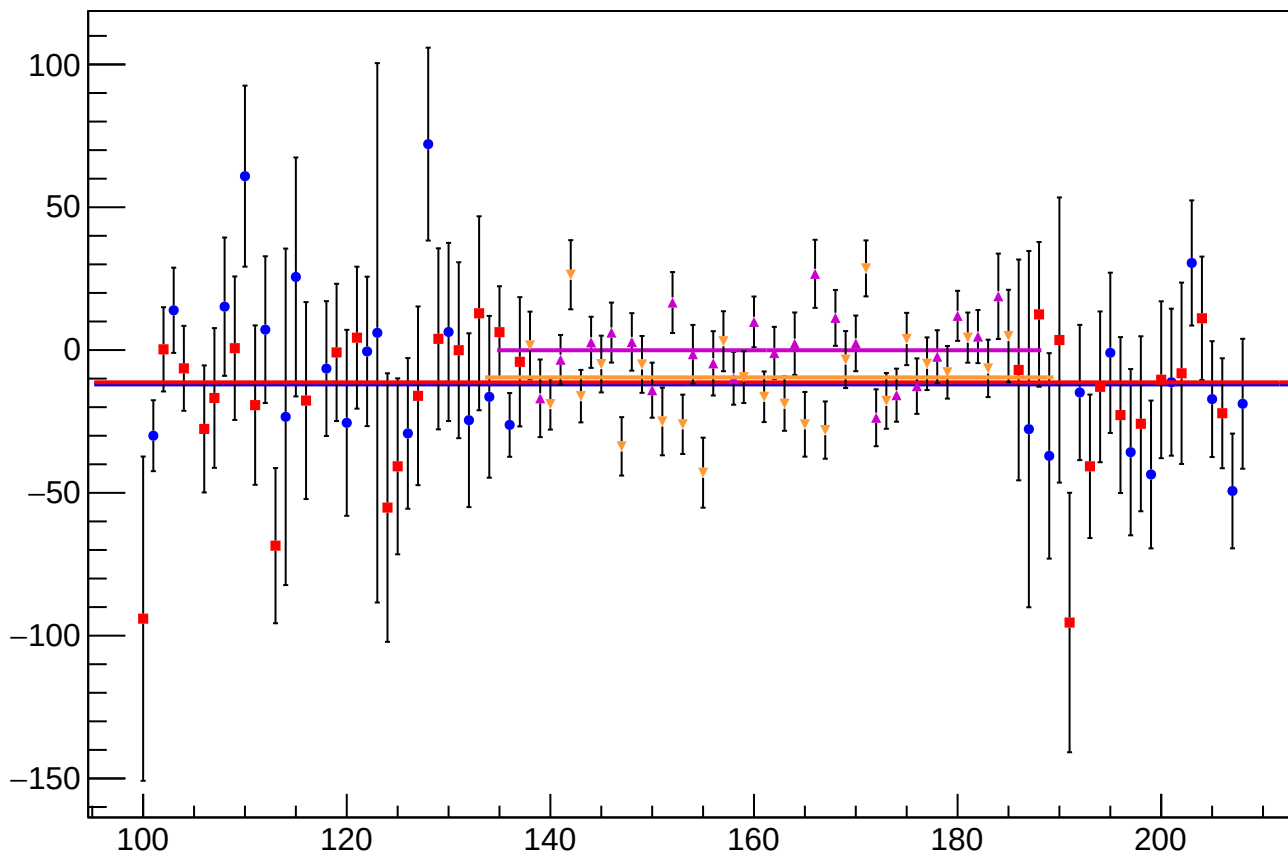
- sign 2.076 $\pm$ 1.095 χ^2 /NDF: 64.6/53

diff_bpm4ecY_rms vs Slug



Right In: 5718.580+/-1.102	χ^2/NDF : 1493286.9/27	+ sign 6103.576+/-0.770	χ^2/NDF : 2222479.0/52
Left Out: 6471.976+/-1.078	χ^2/NDF : 490282.9/24	All: 6088.230+/-0.546	χ^2/NDF : 5139442.5/10
Right Out: 5655.997+/-1.075	χ^2/NDF : 2123625.2/30	- sign 6072.744+/-0.774	χ^2/NDF : 2916166.6/53
Left In: 6521.975+/-1.116	χ^2/NDF : 480034.7/22		

diff_bpm1X_mean vs Slug



Right In: -12.029 ± 4.417 χ^2/NDF : 32.6/27

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -11.305 ± 4.540 χ^2/NDF : 20.4/30

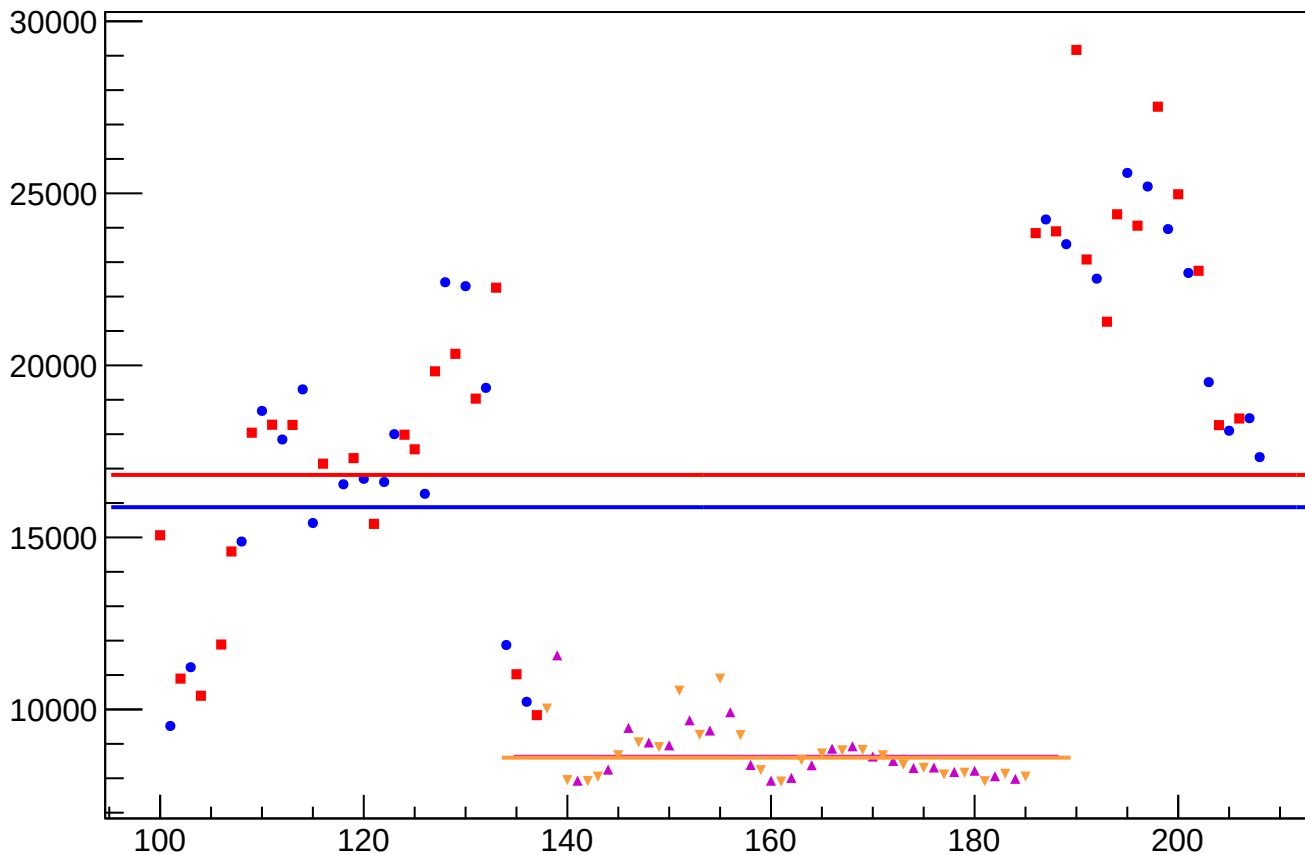
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -9.979 ± 1.831 χ^2/NDF : 92.4/52

All: -6.112 ± 1.314 χ^2/NDF : 156.8/106

- sign -2.009 ± 1.886 χ^2/NDF : 55.2/53

diff_bpm1X_rms vs Slug



Right In: 15878.551 $\pm$ 3.123 χ^2 /NDF: 2685802.3/27

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

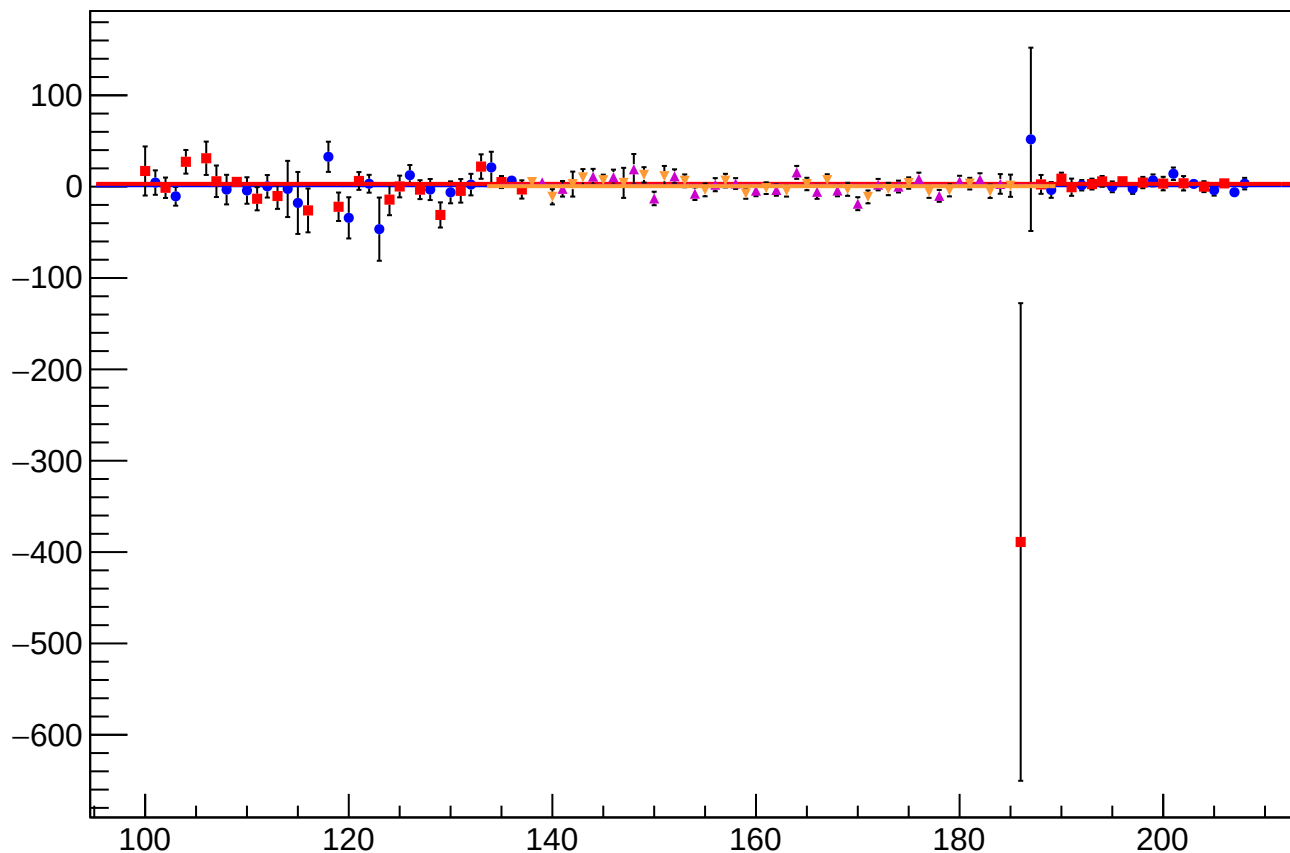
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 9849.542 $\pm$ 1.295 χ^2 /NDF: 7433573.2/52

All: 9940.967 $\pm$ 0.929 χ^2 /NDF: 15725736.3/100

- sign 10037.940 $\pm$ 1.333 χ^2 /NDF: 8281885.7/53

diff_bpm1Y_mean vs Slug



Right In: 1.530 $\pm$ 1.578 χ^2 /NDF: 22.4/27

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

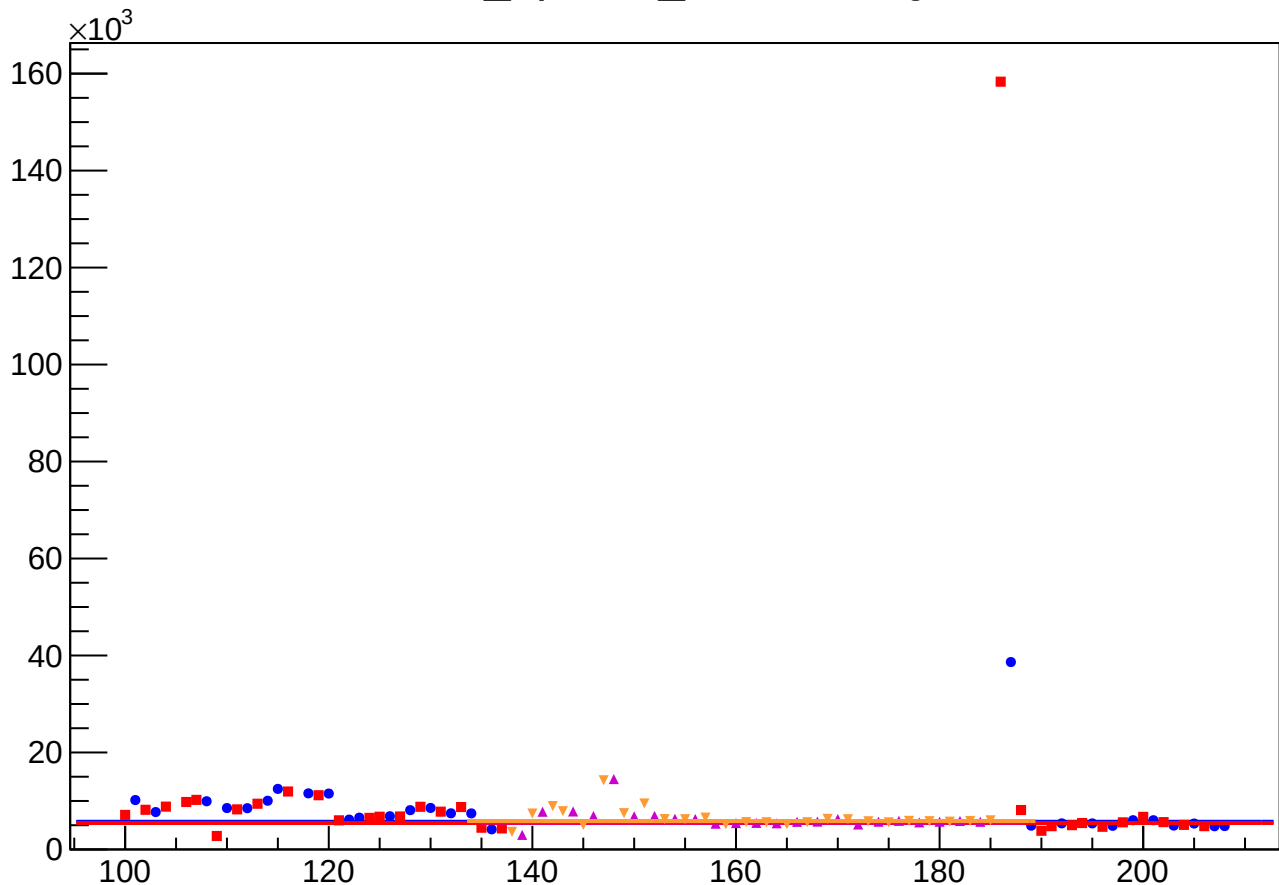
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.975 $\pm$ 1.054 χ^2 /NDF: 42.1/52

All: 1.482 $\pm$ 0.737 χ^2 /NDF: 103.6/106

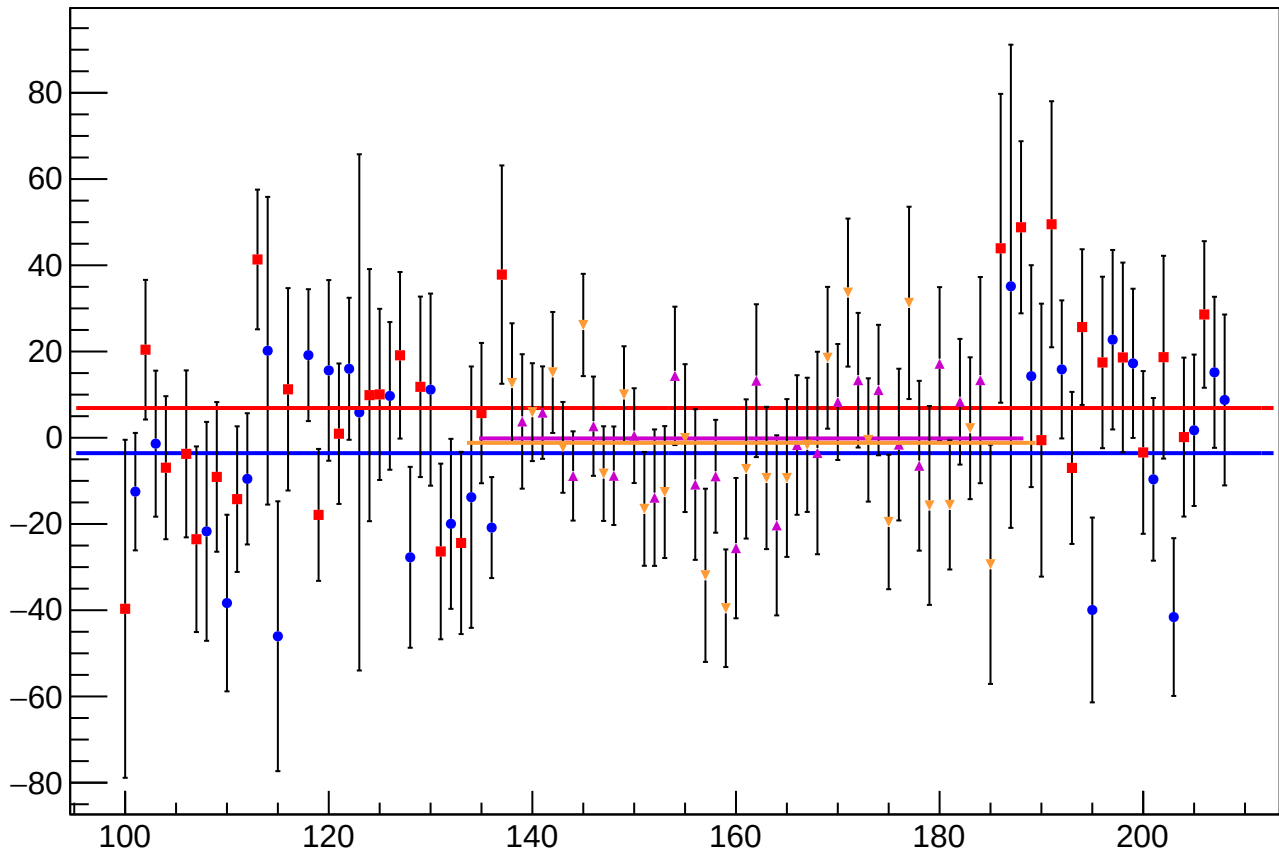
- sign 1.965 $\pm$ 1.029 χ^2 /NDF: 61.0/53

diff_bpm1Y_rms vs Slug



Right In: 5708.390+/-1.116	χ^2/NDF : 2095885.4/27	+ sign 5792.606+/-0.746	χ^2/NDF : 3796235.4/52
Left Out: 5860.605+/-1.002	χ^2/NDF : 1690049.2/24	All: 5653.172+/-0.521	χ^2/NDF : 9468902.3/10
Right Out: 5459.476+/-1.078	χ^2/NDF : 3435727.3/30	- sign 5520.320+/-0.728	χ^2/NDF : 5604374.9/53
Left In: 5571.330+/-0.987	χ^2/NDF : 2162788.3/22		

diff_bpm11X_mean vs Slug



Right In: -3.571 ± 3.615 χ^2/NDF : 30.5/27

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 6.897 ± 3.547 χ^2/NDF : 34.0/30

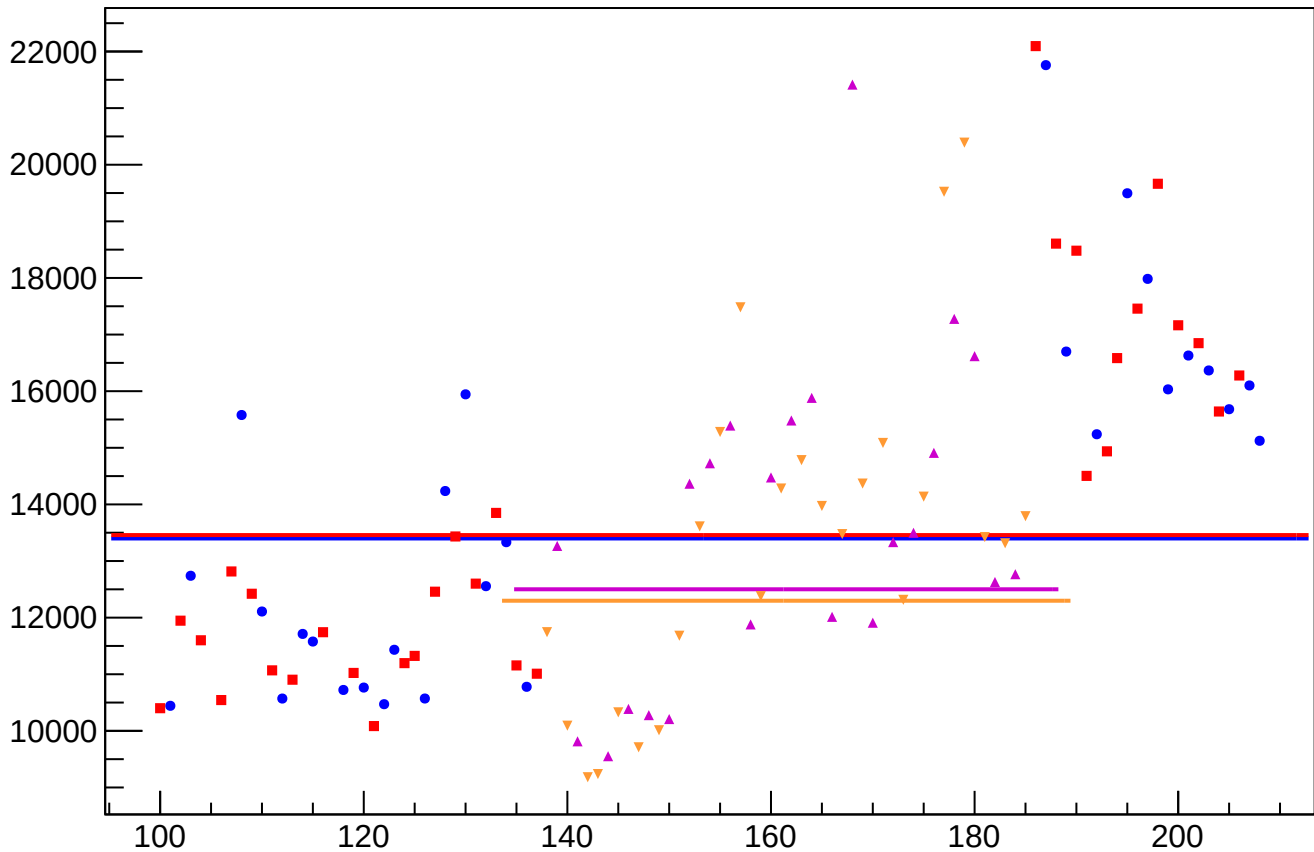
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -2.133 ± 2.280 χ^2/NDF : 64.5/52

All: 0.320 ± 1.625 χ^2/NDF : 114.6/106

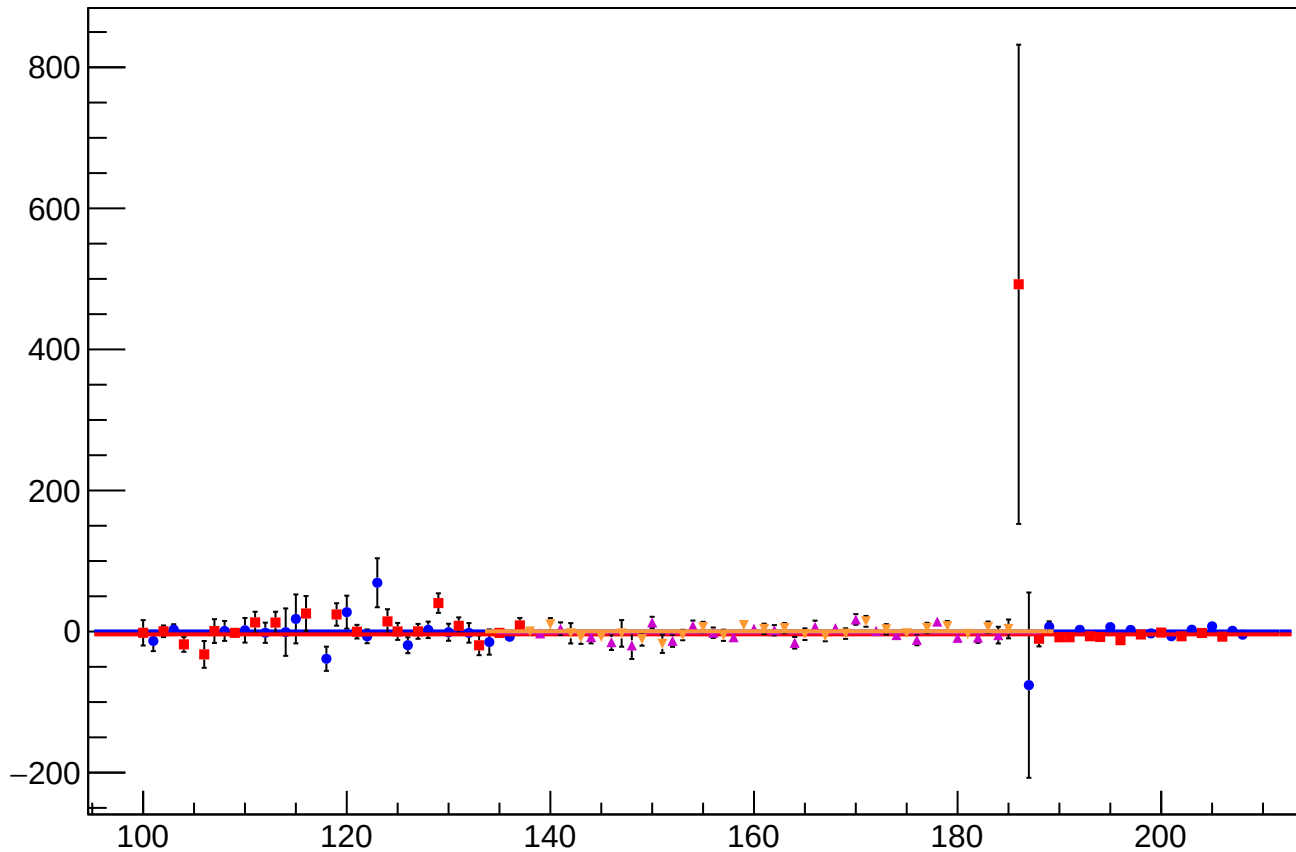
- sign 2.851 ± 2.316 χ^2/NDF : 47.8/53

diff_bpm11X_rms vs Slug



Right In: 13398.331+/-2.556	χ^2/NDF : 1162937.1/27	+ sign 12736.197+/-1.613	χ^2/NDF : 2780375.8/52
Left Out: 12298.676+/-2.078	χ^2/NDF : 1506026.8/24	All: 12821.282+/-1.149	χ^2/NDF : 5494911.1/100
Right Out: 13458.297+/-2.508	χ^2/NDF : 1267388.9/30	- sign 12909.046+/-1.638	χ^2/NDF : 2708879.4/53
Left In: 12500.795+/-2.162	χ^2/NDF : 1357889.1/22		

diff_bpm11Y_mean vs Slug



Right In: 0.152 ± 1.344 χ^2/NDF : 27.8/27

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: -3.992 ± 1.346 χ^2/NDF : 35.1/30

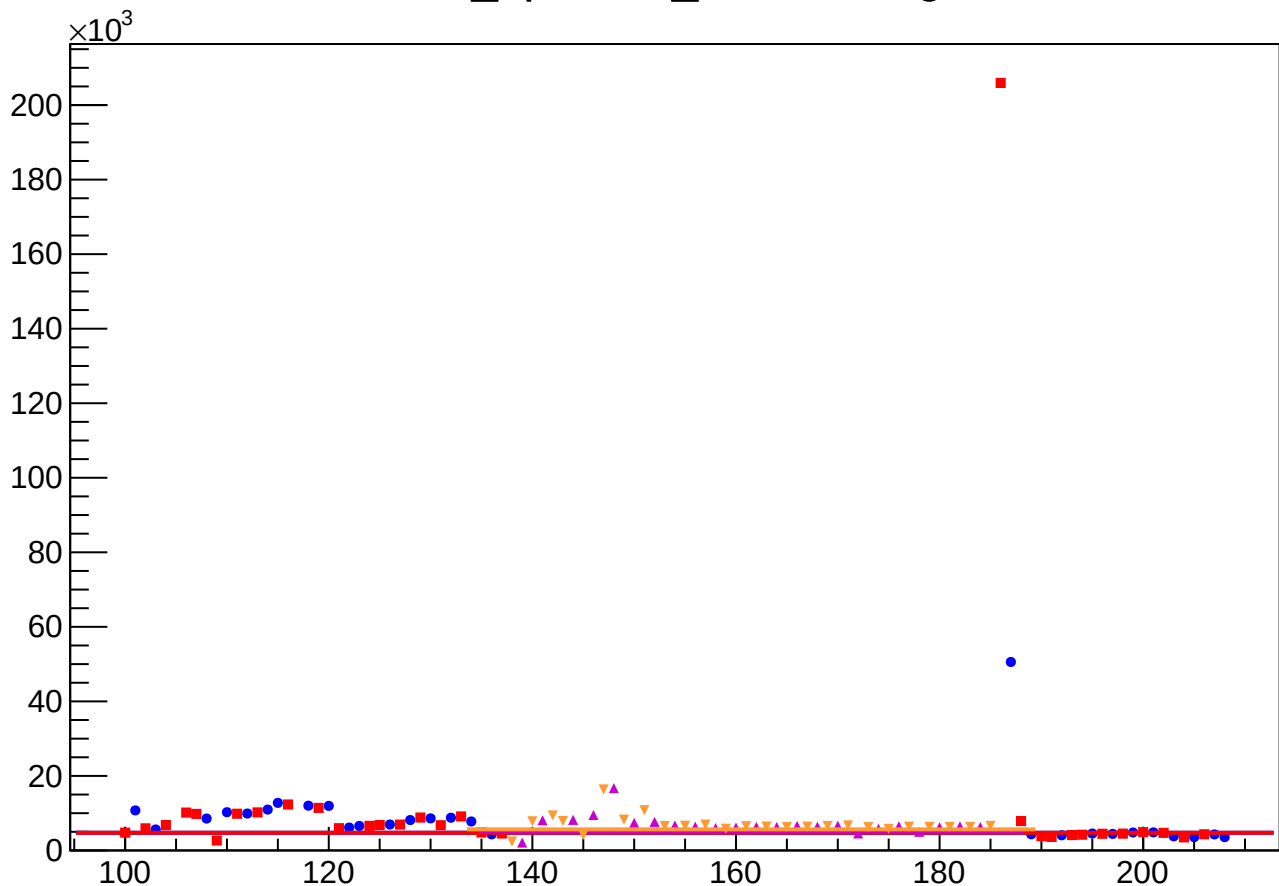
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.246 ± 0.980 χ^2/NDF : 47.0/52

All: -1.208 ± 0.686 χ^2/NDF : 122.1/106

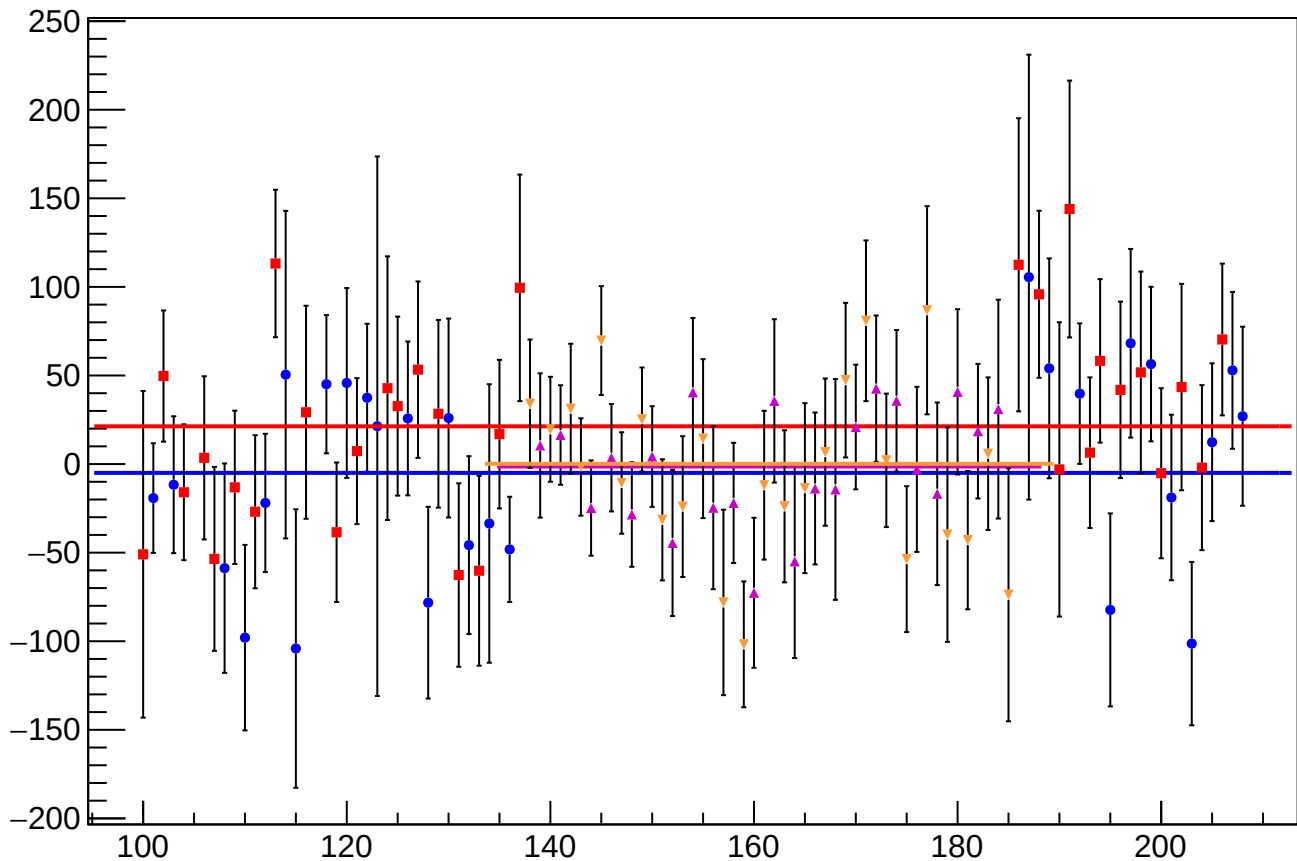
- sign -2.605 ± 0.961 χ^2/NDF : 70.9/53

diff_bpm11Y_rms vs Slug



Right In: 4750.068 ± 0.950 $\chi^2/\text{NDF}: 3158356.5/27$ + sign 5175.561 ± 0.693 $\chi^2/\text{NDF}: 7715266.8/52$
 Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$ All: 5053.816 ± 0.485 $\chi^2/\text{NDF}: 17081073.5/100$
 Right Out: 4743.337 ± 0.952 $\chi^2/\text{NDF}: 3725508.4/30$ - sign 4936.924 ± 0.679 $\chi^2/\text{NDF}: 9305365.1/53$
 Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

diff_bpm12X_mean vs Slug



Right In: -4.979 ± 9.011 χ^2/NDF : 31.1/27

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 21.312 ± 8.840 χ^2/NDF : 30.5/30

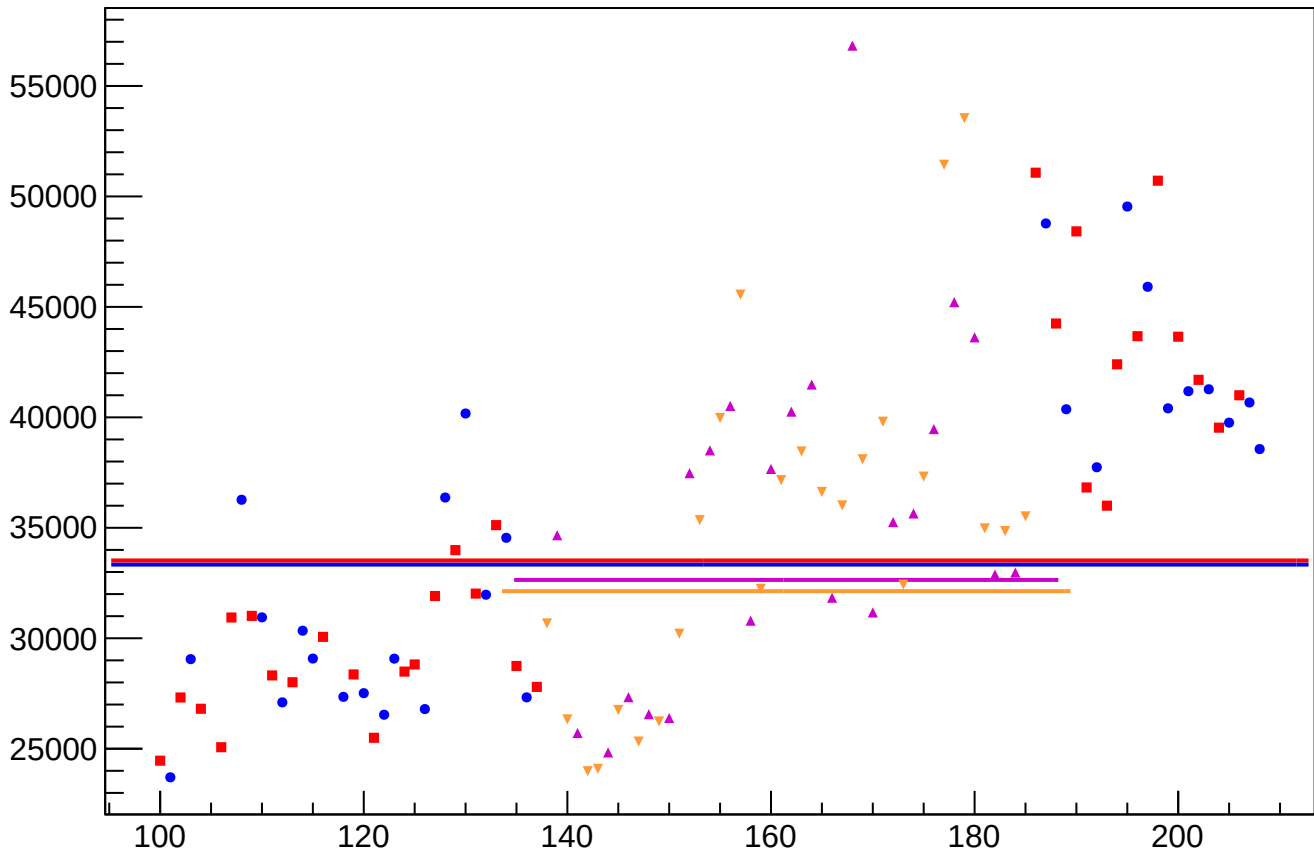
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -2.014 ± 5.846 χ^2/NDF : 62.5/52

All: 3.332 ± 4.162 χ^2/NDF : 111.6/106

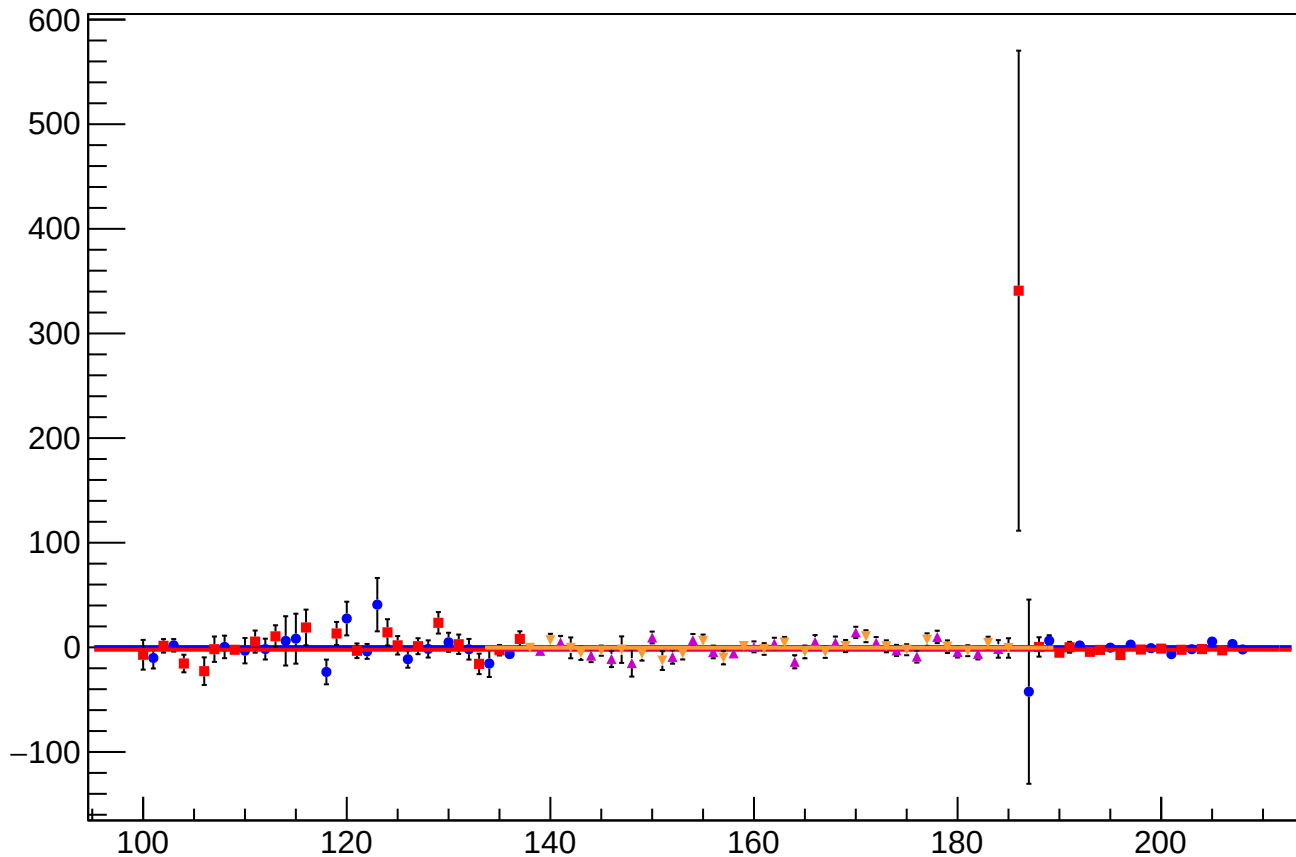
- sign 8.827 ± 5.928 χ^2/NDF : 47.4/53

diff_bpm12X_rms vs Slug



Right In: 33336.240+/-6.371	χ^2/NDF : 1232571.3/27	+ sign 32639.157+/-4.134	χ^2/NDF : 2793324.1/52
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 32835.500+/-2.943	χ^2/NDF : 5513468.2/100
Right Out: 33522.191+/-6.250	χ^2/NDF : 1302473.2/30	- sign 33037.332+/-4.191	χ^2/NDF : 2715569.6/53
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: 0.213 ± 0.820 χ^2/NDF : 34.2/27

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: -2.276 ± 0.887 χ^2/NDF : 29.7/30

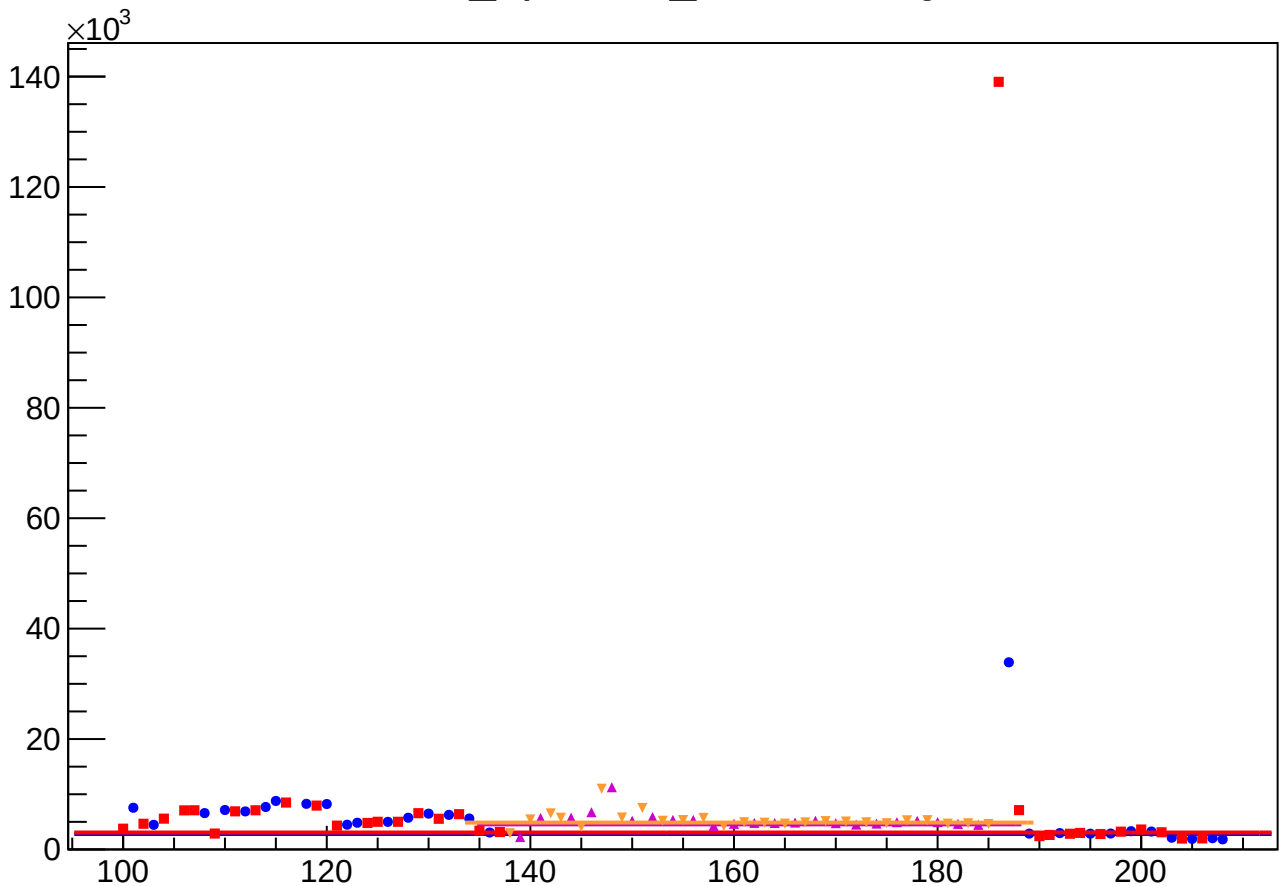
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign 0.041 ± 0.672 χ^2/NDF : 52.0/52

All: -0.823 ± 0.485 χ^2/NDF : 122.2/106

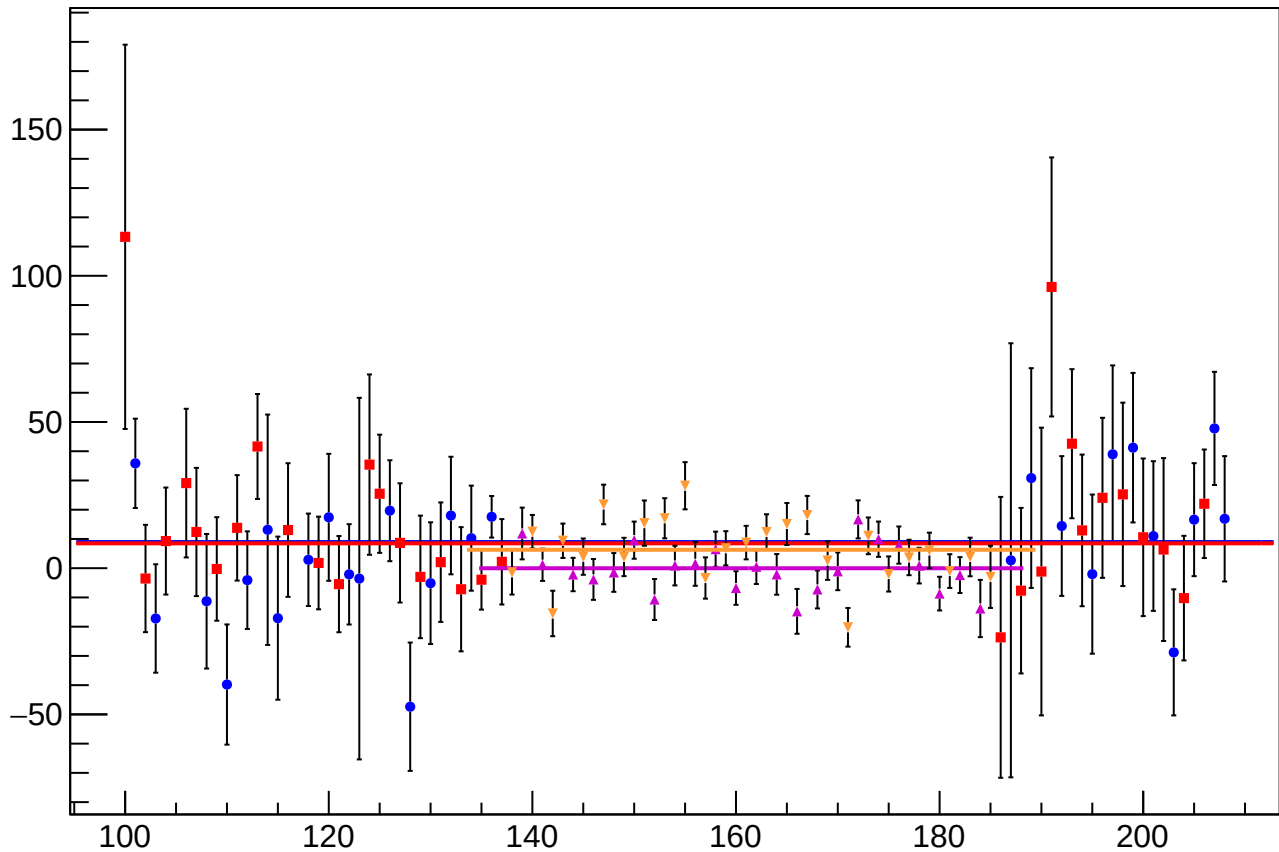
- sign -1.761 ± 0.700 χ^2/NDF : 66.8/53

diff_bpm12Y_rms vs Slug



Right In: 2795.956+/-0.580 χ^2/NDF : 4894224.2/27 + sign 3476.938+/-0.475 χ^2/NDF : 10607353.5/52
Left Out: 4868.567+/-0.829 χ^2/NDF : 1511151.0/24 All: 3547.510+/-0.343 χ^2/NDF : 20343941.0/10
Right Out: 3069.816+/-0.627 χ^2/NDF : 4976328.6/30 - sign 3624.261+/-0.495 χ^2/NDF : 9690487.7/53
Left In: 4544.337+/-0.808 χ^2/NDF : 2634314.4/22

diff_bpm16X_mean vs Slug



Right In: 8.934 ± 3.589 $\chi^2/\text{NDF}: 33.4/27$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: 8.498 ± 3.745 $\chi^2/\text{NDF}: 20.9/30$

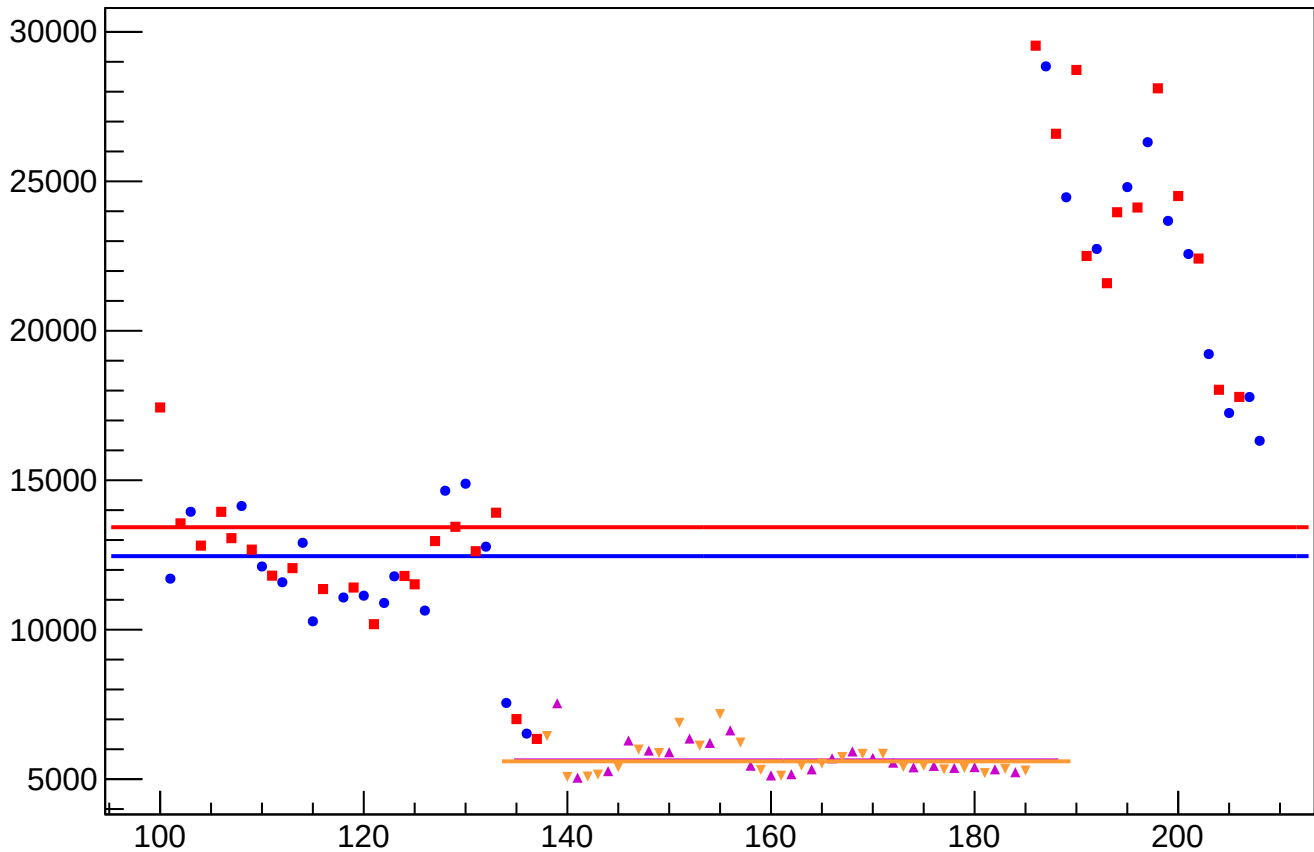
Left In: -0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

+ sign 6.606 ± 1.231 $\chi^2/\text{NDF}: 90.4/52$

All: 3.879 ± 0.885 $\chi^2/\text{NDF}: 155.9/106$

- sign 0.964 ± 1.273 $\chi^2/\text{NDF}: 55.4/53$

diff_bpm16X_rms vs Slug



Right In: 12460.459+/-2.538 χ^2/NDF : 4430063.8/27

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 13428.564+/-2.648 χ^2/NDF : 4377736.7/30

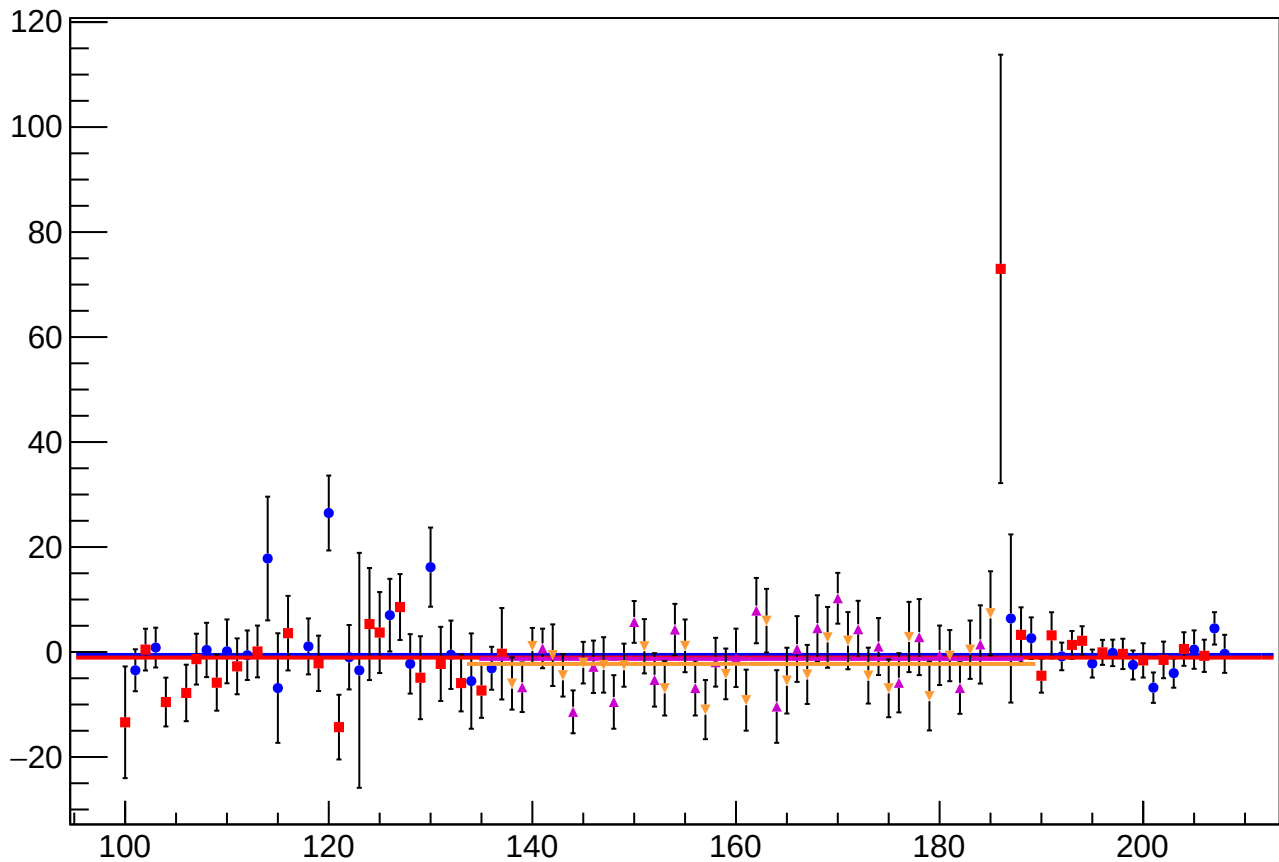
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6403.539+/-0.870 χ^2/NDF : 11169321.3/52

All: 6463.812+/-0.626 χ^2/NDF : 23514435.4/100

- sign 6528.249+/-0.900 χ^2/NDF : 12335189.5/53

diff_bpm16Y_mean vs Slug



Right In: -0.557 ± 0.778 χ^2/NDF : 35.6/27

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.064 ± 0.769 χ^2/NDF : 26.8/30

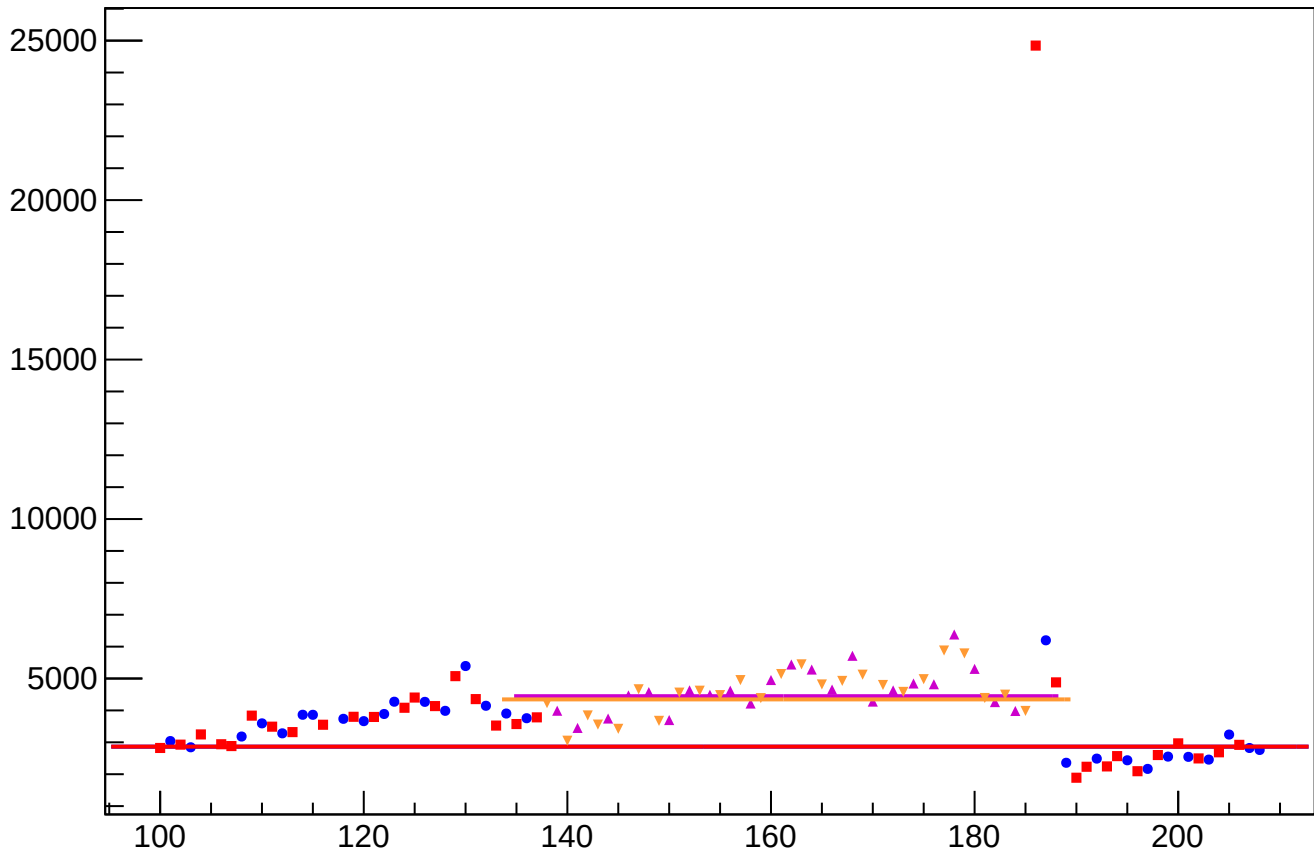
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.179 ± 0.621 χ^2/NDF : 52.7/52

All: -1.162 ± 0.441 χ^2/NDF : 110.4/106

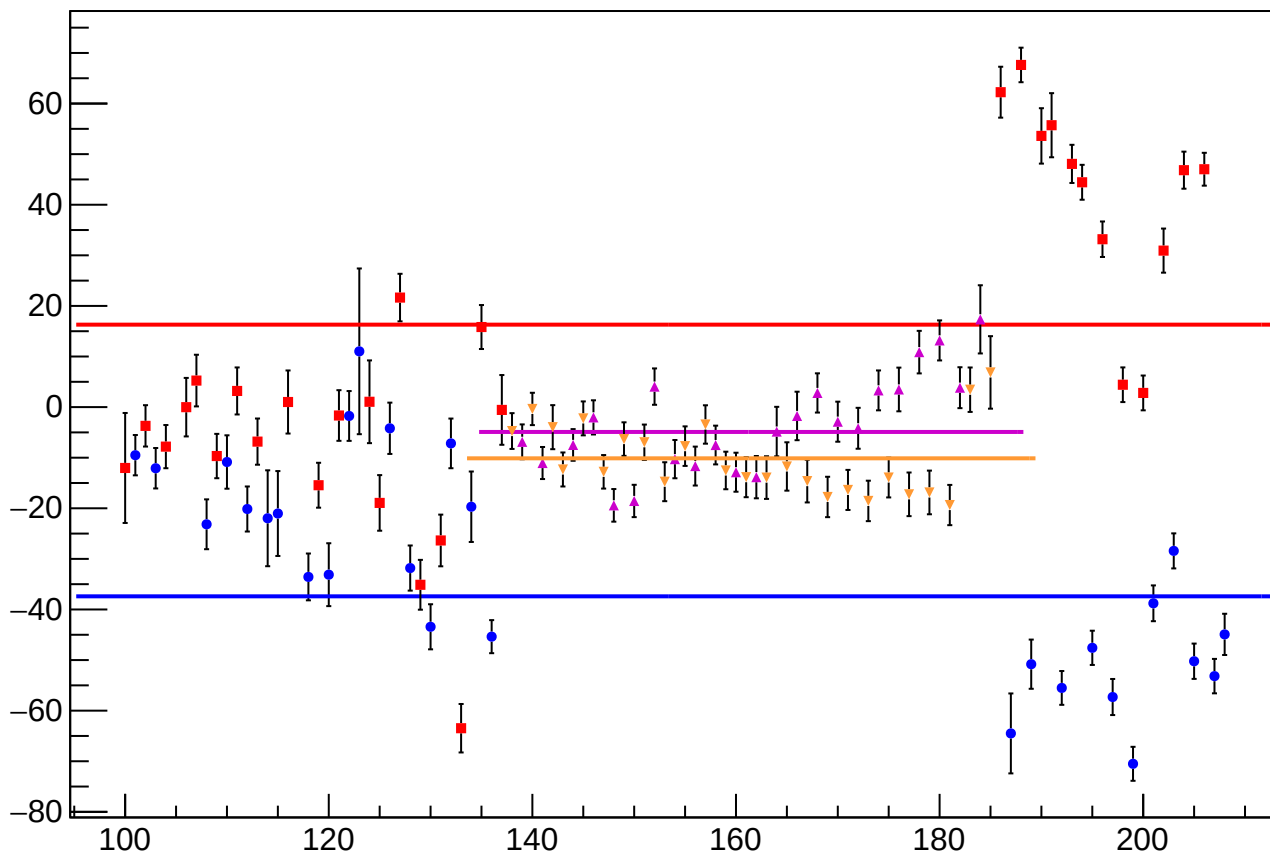
- sign -1.146 ± 0.626 χ^2/NDF : 57.6/53

diff_bpm16Y_rms vs Slug



Right In: 2863.250+/-0.550	χ^2/NDF : 1295757.6/27	+ sign 3402.036+/-0.439	χ^2/NDF : 4935077.9/52
Left Out: 4345.381+/-0.728	χ^2/NDF : 1000636.1/24	All: 3400.135+/-0.312	χ^2/NDF : 10760157.9/1
Right Out: 2864.487+/-0.544	χ^2/NDF : 2264459.1/30	- sign 3398.204+/-0.442	χ^2/NDF : 5825042.2/53
Left In: 4446.181+/-0.762	χ^2/NDF : 702797.6/22		

diff_bpm0l01X_mean vs Slug



Right In: -37.402 ± 0.820 χ^2/NDF : 534.7/27

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 16.298 ± 0.802 χ^2/NDF : 1474.9/30

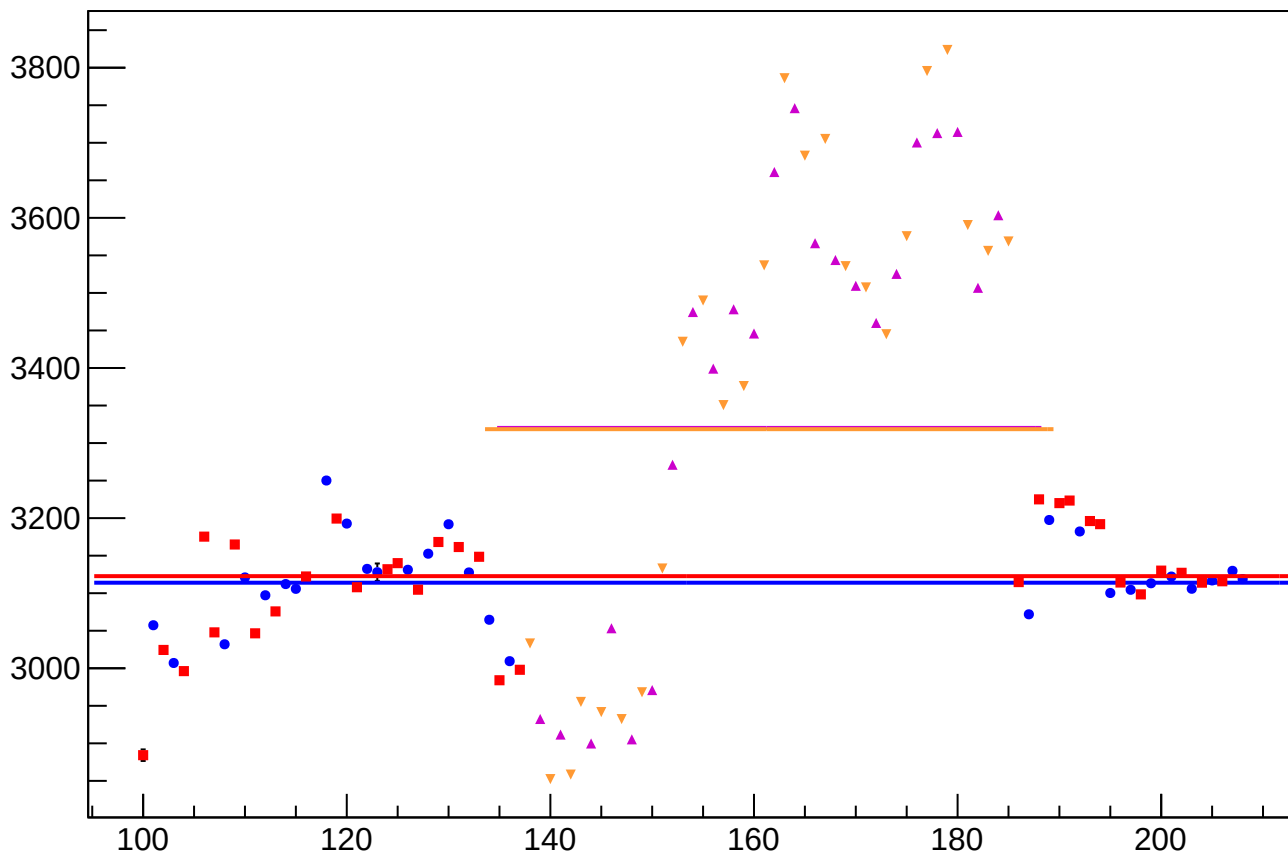
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -22.996 ± 0.564 χ^2/NDF : 1186.5/52

All: -8.727 ± 0.399 χ^2/NDF : 4427.6/106

- sign 5.631 ± 0.565 χ^2/NDF : 1954.7/53

diff_bpm0l01X_rms vs Slug



Right In: 3113.975+/-0.580 χ^2/NDF : 9050.3/27

Left Out: 3318.506+/-0.548 χ^2/NDF : 337694.2/24

Right Out: 3122.711+/-0.567 χ^2/NDF : 13750.9/30

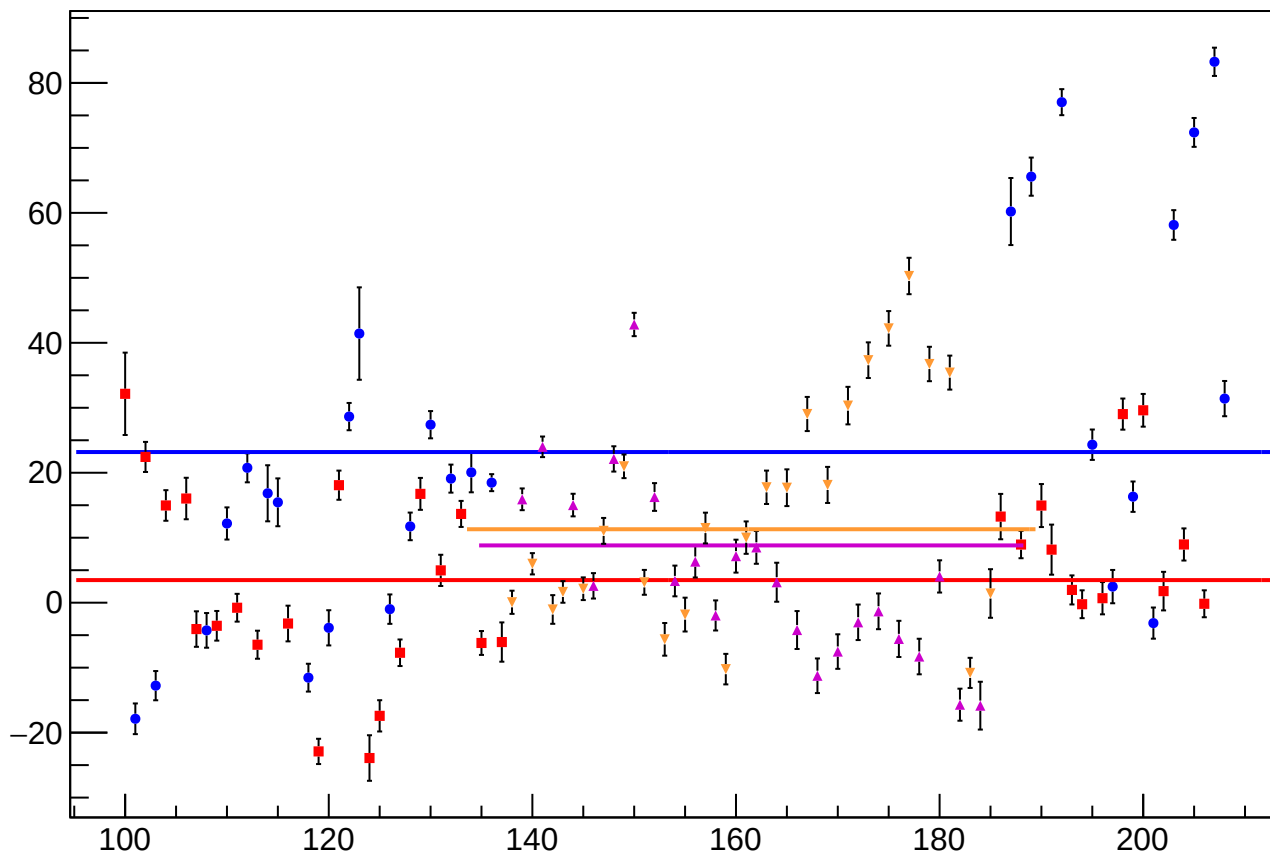
Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

+ sign 3221.990+/-0.398 χ^2/NDF : 412399.8/52

All: 3222.004+/-0.282 χ^2/NDF : 774788.8/106

- sign 3222.018+/-0.400 χ^2/NDF : 362389.0/53

diff_bpm0l01Y_mean vs Slug



Right In: 23.187 $\pm$ 0.447 χ^2 /NDF: 3905.1/27

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

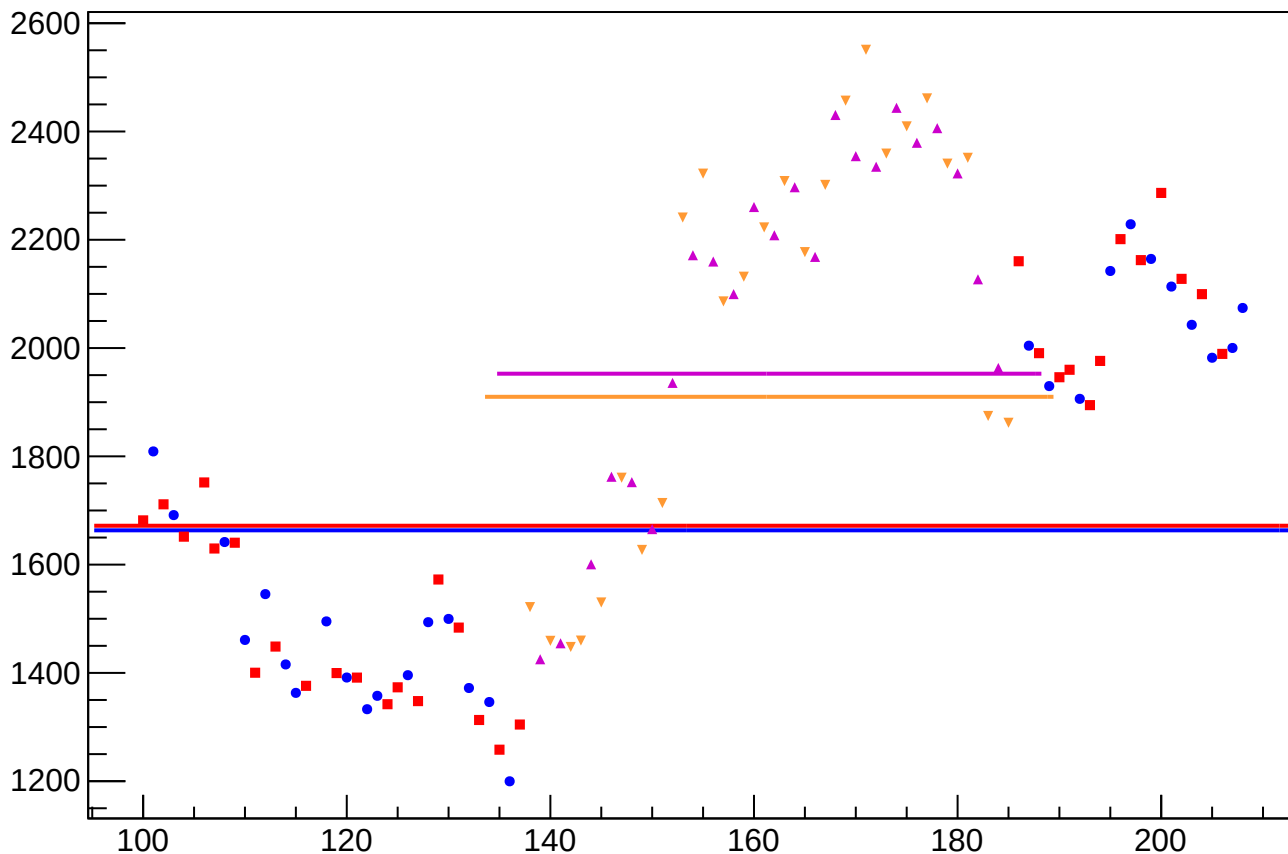
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 17.331 $\pm$ 0.319 χ^2 /NDF: 5397.0/52

All: 11.690 $\pm$ 0.226 χ^2 /NDF: 7964.2/106

- sign 5.927 $\pm$ 0.322 χ^2 /NDF: 1933.5/53

diff_bpm0l01Y_rms vs Slug



Right In: 1663.333+/-0.316 χ^2/NDF : 1083132.5/27

Left Out: 1909.963+/-0.321 χ^2/NDF :1399467.7/24

Right Out: 1671.816+/-0.310 χ^2/NDF : 1076584.3/30

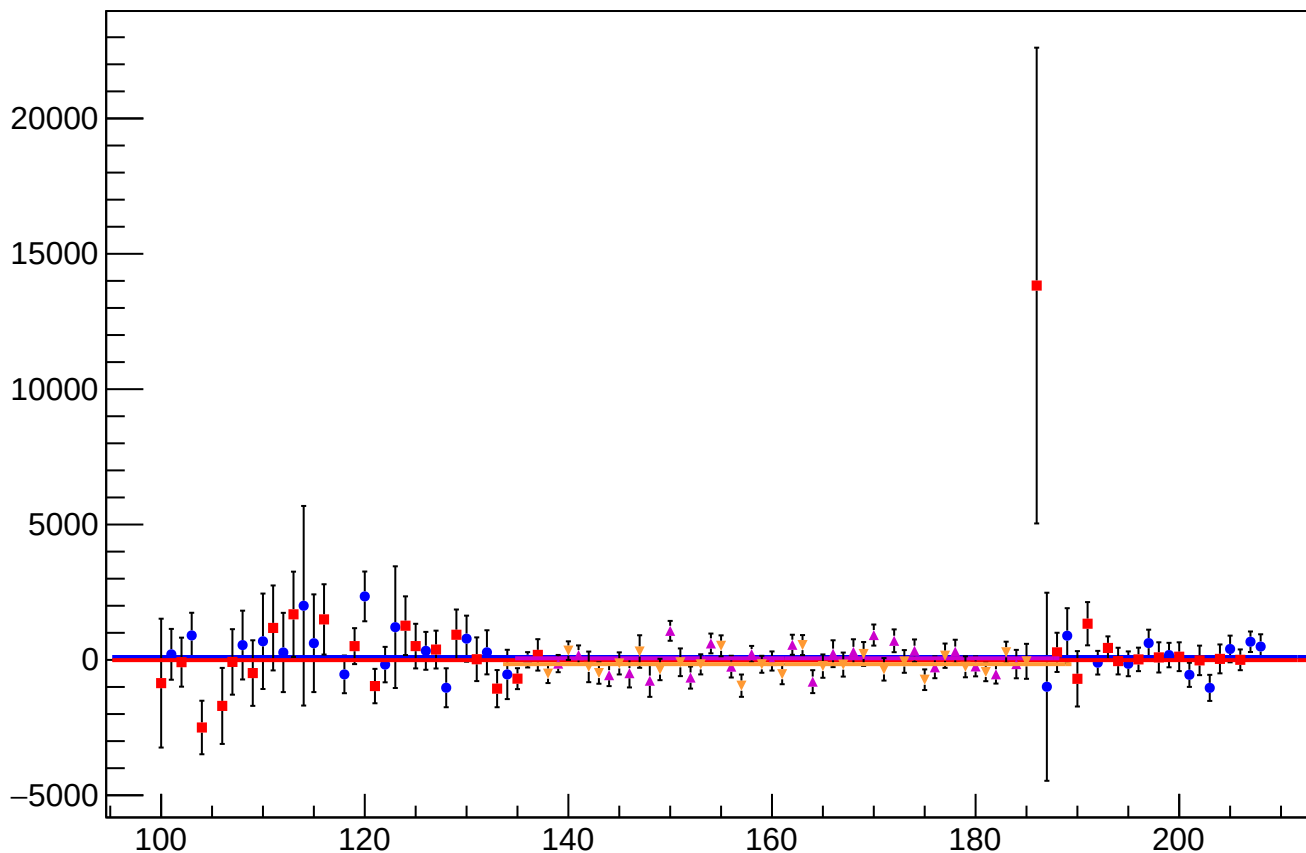
Left In: 1952.637+/-0.336 χ^2/NDF :1065333.8/22

+ sign 1784.891+/-0.225 χ^2/NDF : 2782110.5/52

All: 1792.708+/-0.160 χ^2/NDF : 5304107.8/10

- sign 1800.693+/-0.228 χ^2/NDF : 2519564.0/53

asym_sam1_mean vs Slug



Right In: 106.744 ± 114.744 χ^2/NDF : 26.0/27

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -8.792 ± 120.346 χ^2/NDF : 29.9/30

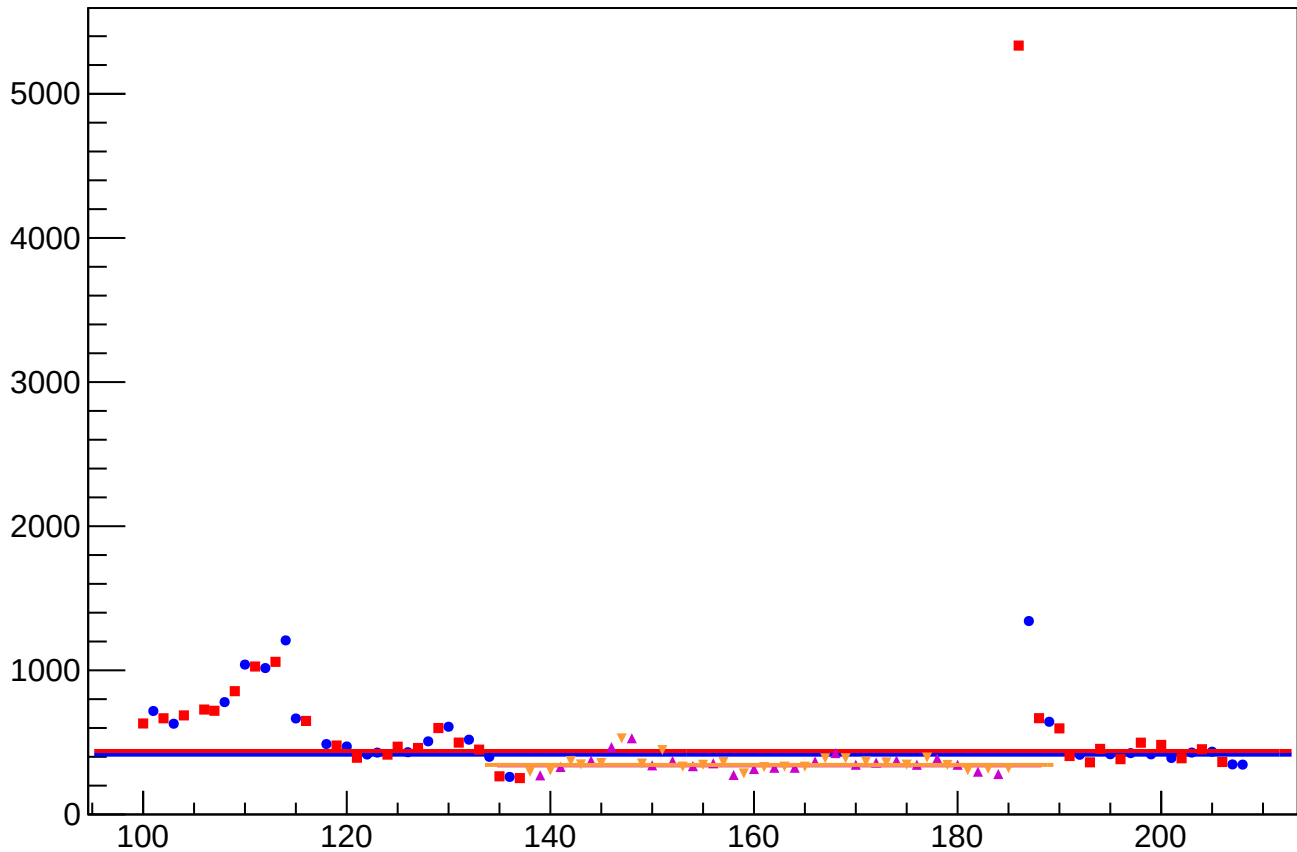
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -69.739 ± 66.062 χ^2/NDF : 51.6/52

All: -17.864 ± 47.415 χ^2/NDF : 121.5/106

- sign 37.252 ± 68.094 χ^2/NDF : 68.6/53

asym_sam1_rms vs Slug



Right In: 414.900 $\pm$ 0.081 χ^2 /NDF: 2383076.0/27

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

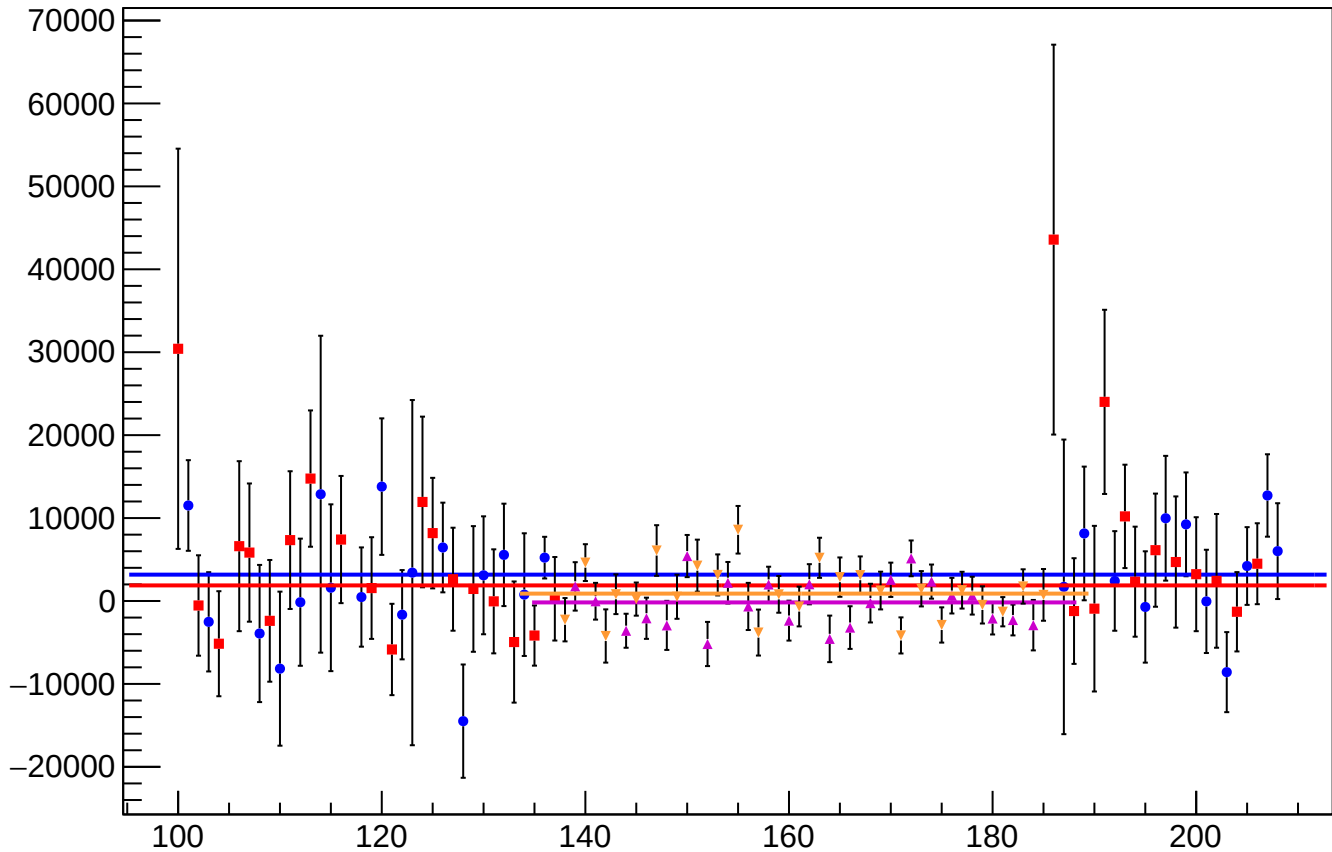
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 367.372 $\pm$ 0.047 χ^2 /NDF: 3435783.3/52

All: 369.956 $\pm$ 0.034 χ^2 /NDF: 8241181.4/106

- sign 372.701 $\pm$ 0.048 χ^2 /NDF: 4799088.4/53

asym_sam2_mean vs Slug



Right In: 3177.912 ± 1138.554 χ^2/NDF : 29.3/27

Left Out: 890.395 ± 473.262 χ^2/NDF : 38.0/24

Right Out: 1879.719 ± 1204.040 χ^2/NDF : 25.2/30

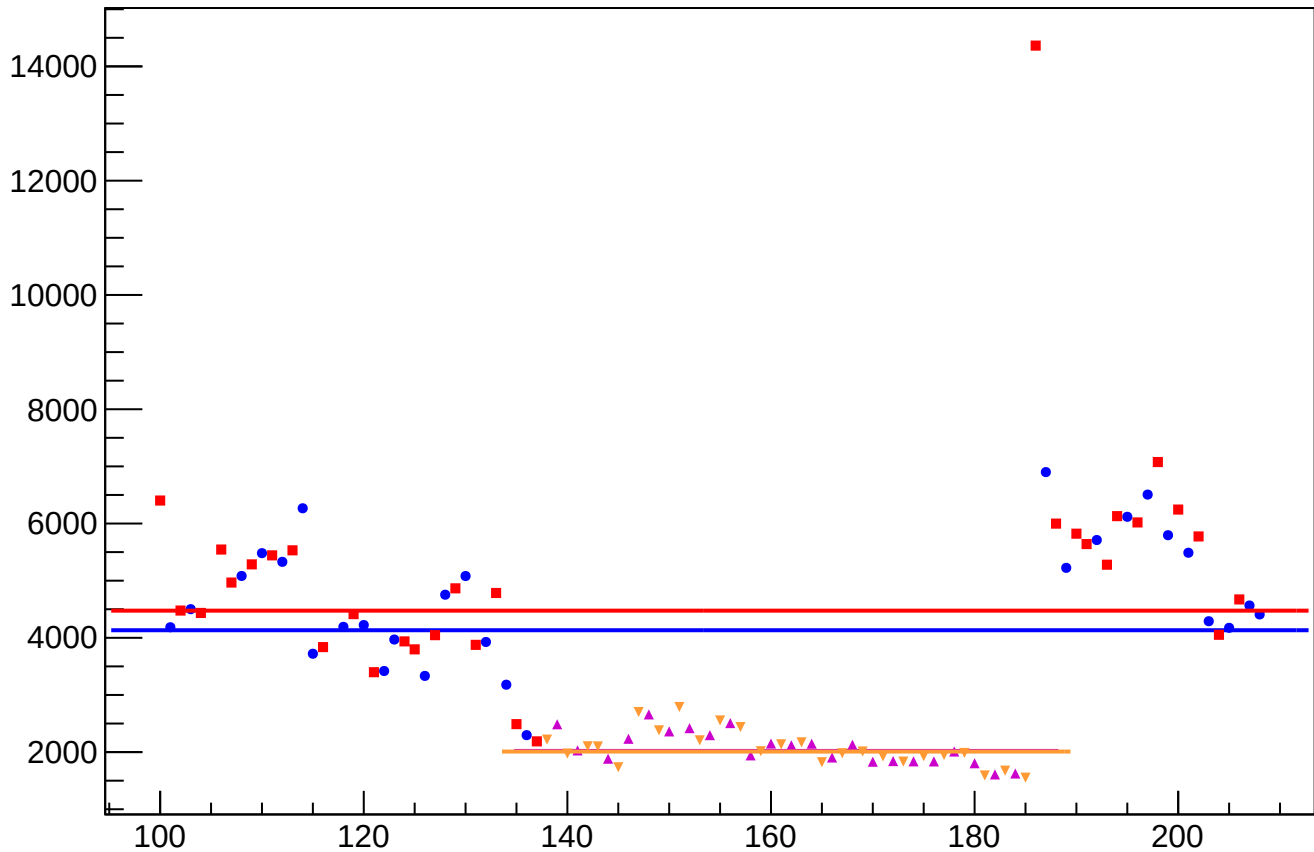
Left In: -172.391 ± 488.067 χ^2/NDF : 33.2/22

+ sign 1227.406 ± 437.012 χ^2/NDF : 70.6/52

All: 691.413 ± 314.286 χ^2/NDF : 134.6/106

- sign 117.215 ± 452.319 χ^2/NDF : 60.9/53

asym_sam2_rms vs Slug



Right In: 4132.688 $\pm$ 0.805 χ^2 /NDF: 2244140.6/27

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

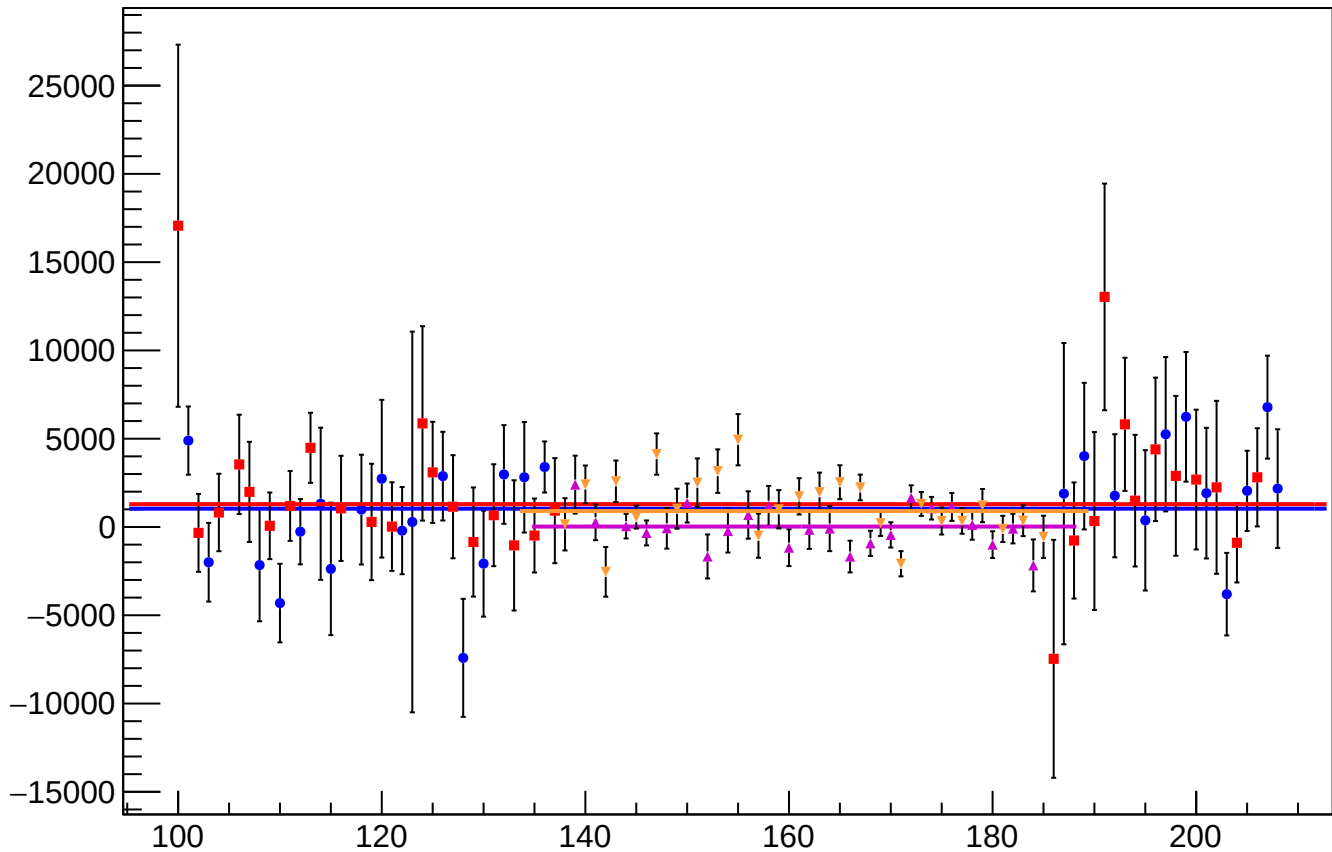
Left In: 2020.365 $\pm$ 0.345 χ^2 /NDF: 573483.0/22

+ sign 2322.413 $\pm$ 0.309 χ^2 /NDF: 8883770.9/52

All: 2343.856 $\pm$ 0.222 χ^2 /NDF: 19104816.9/100

- sign 2366.827 $\pm$ 0.320 χ^2 /NDF: 10211072.2/53

asym_sam3_mean vs Slug



Right In: 1036.121 $\pm$ 528.497 χ^2 /NDF: 37.9/27

Left Out: 902.091 $\pm$ 185.850 χ^2 /NDF: 63.5/24

Right Out: 1291.836 $\pm$ 526.996 χ^2 /NDF: 18.8/30

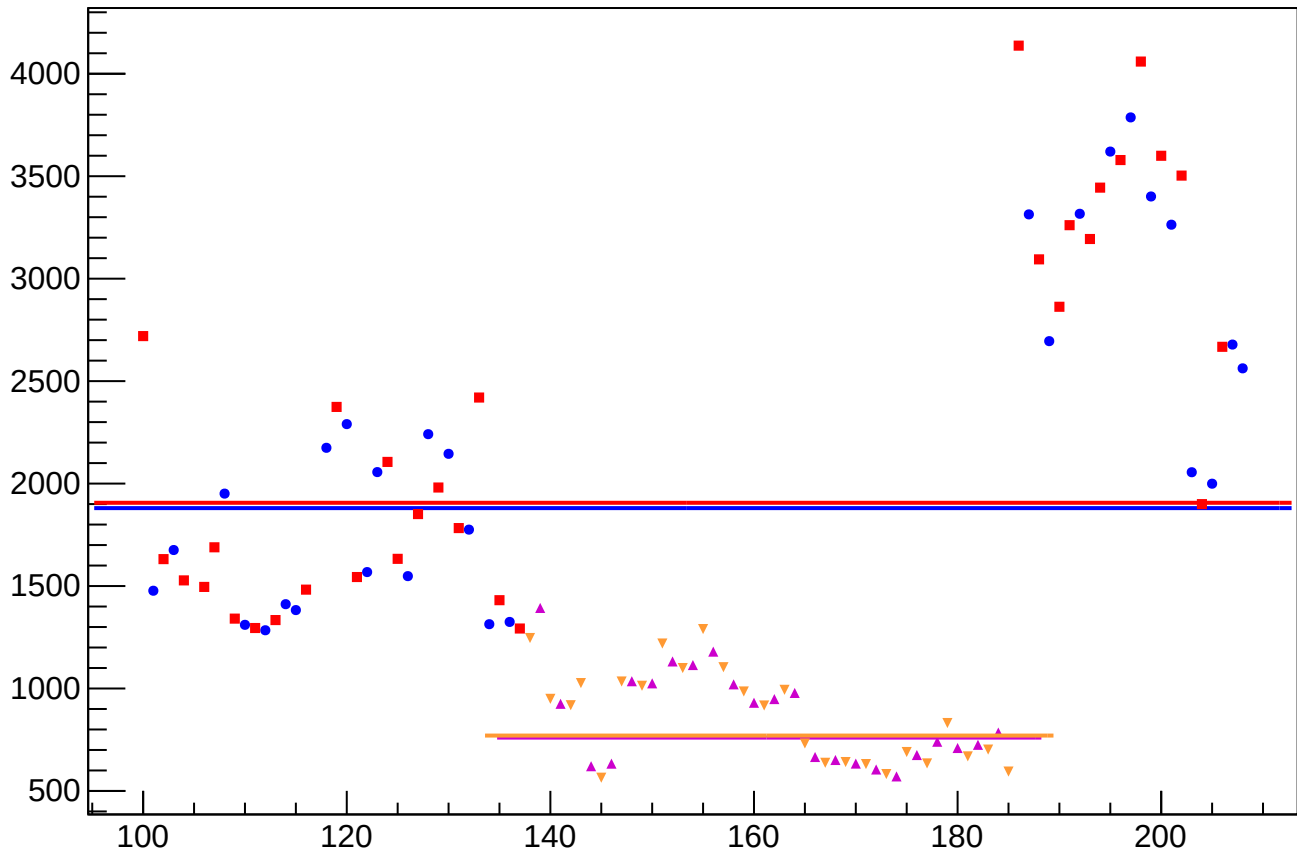
Left In: 23.529 $\pm$ 188.137 χ^2 /NDF: 28.2/22

+ sign 916.842 $\pm$ 175.325 χ^2 /NDF: 101.5/52

All: 545.826 $\pm$ 124.626 χ^2 /NDF: 162.7/106

- sign 166.900 $\pm$ 177.184 χ^2 /NDF: 52.2/53

asym_sam3_rms vs Slug



Right In: 1880.246 $\pm$ 0.374 χ^2 /NDF: 3115408.4/27

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

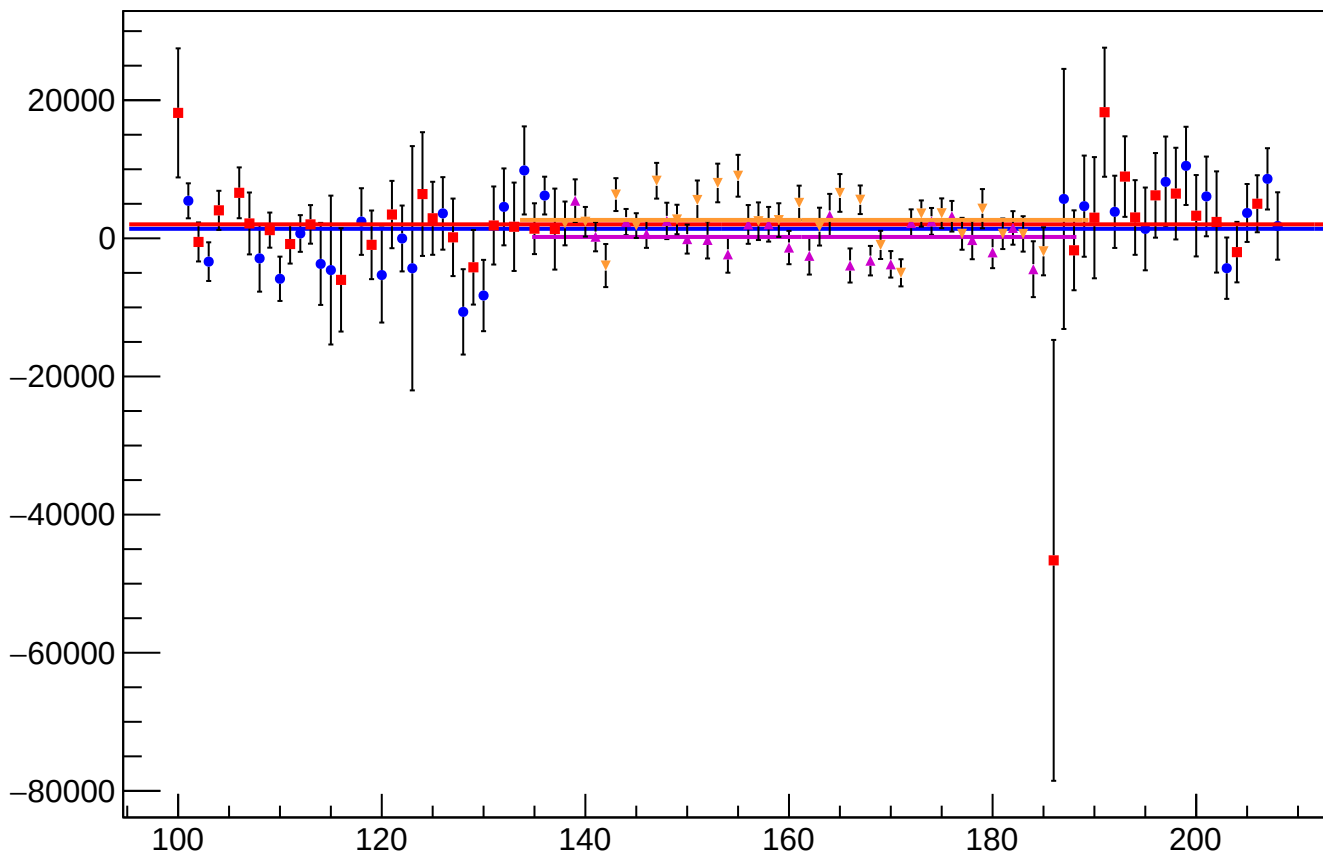
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF:1986749.8/22

+ sign 892.471 $\pm$ 0.124 χ^2 /NDF: 13253552.7/52

All: 891.195 $\pm$ 0.088 χ^2 /NDF: 27432986.1/10

- sign 889.891 $\pm$ 0.125 χ^2 /NDF: 14179219.1/53

asym_sam4_mean vs Slug



Right In: 1378.992 $\pm$ 852.966 χ^2 /NDF: 35.7/27

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

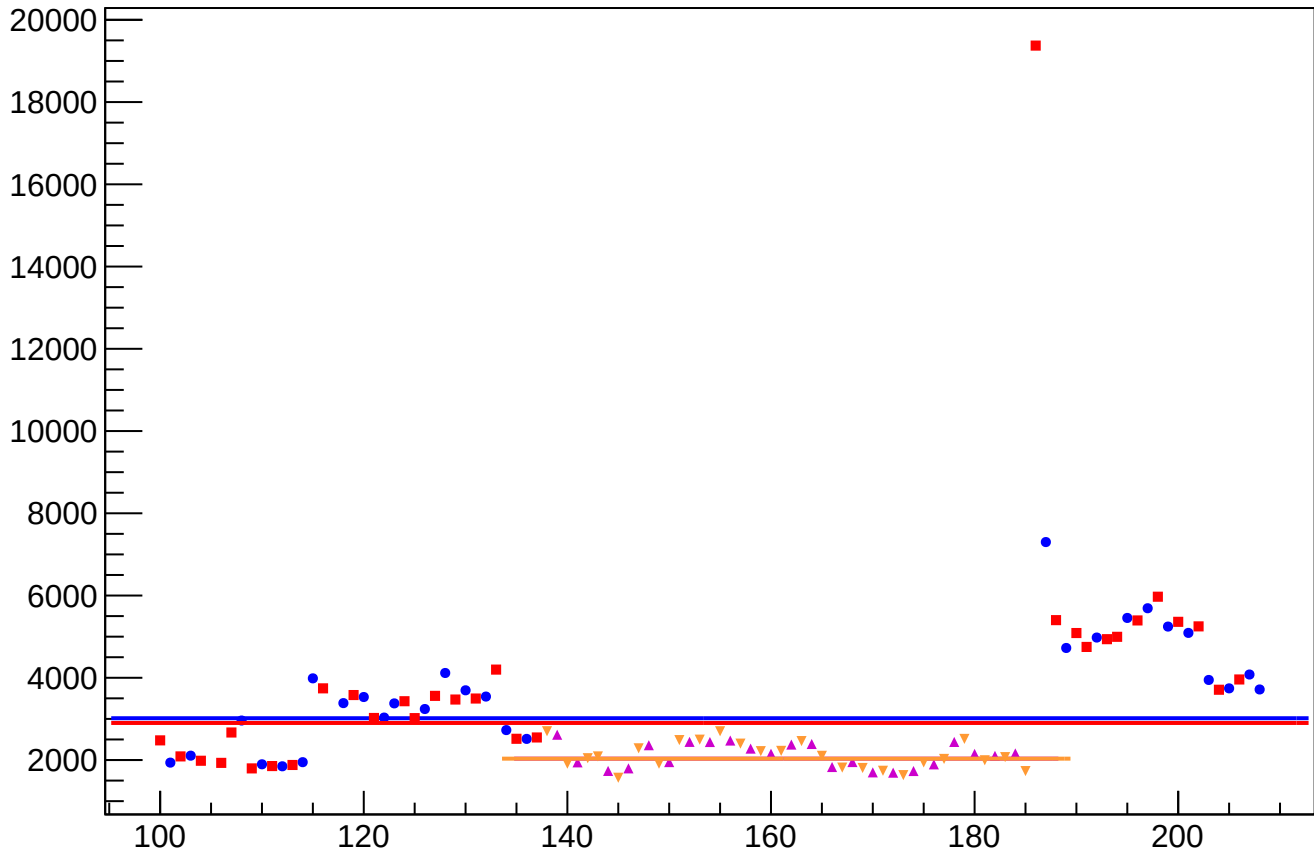
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2356.366 $\pm$ 418.163 χ^2 /NDF: 86.6/52

All: 1527.495 $\pm$ 296.931 χ^2 /NDF: 143.8/106

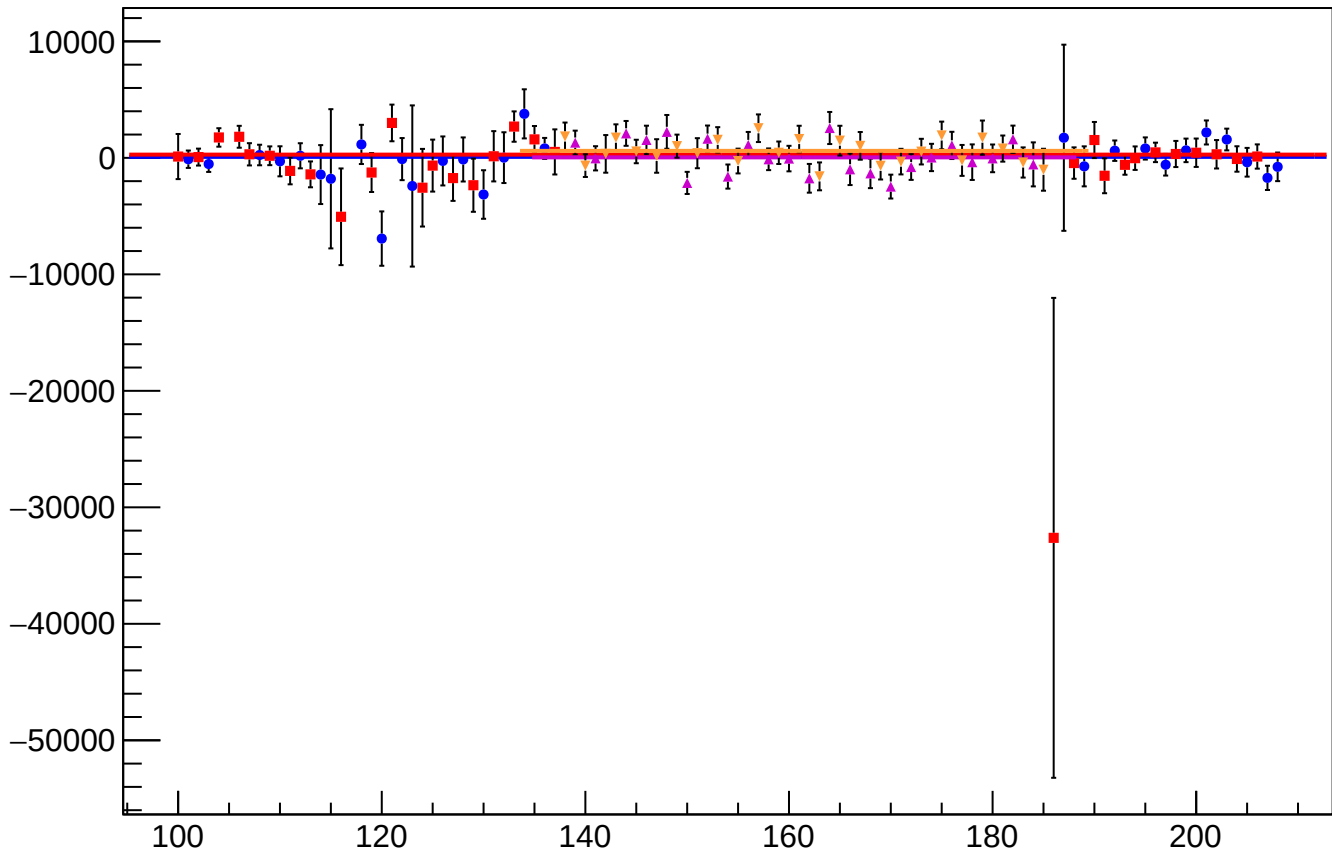
- sign 684.509 $\pm$ 421.708 χ^2 /NDF: 49.3/53

asym_sam4_rms vs Slug



Right In: 3016.402 $\pm$ 0.603	χ^2 /NDF: 3530831.1/27	+ sign 2269.607 $\pm$ 0.296	χ^2 /NDF: 6373024.6/52
Left Out: 2033.337 $\pm$ 0.339	χ^2 /NDF: 824062.2/24	All: 2266.495 $\pm$ 0.210	χ^2 /NDF: 13547336.8/100
Right Out: 2901.253 $\pm$ 0.579	χ^2 /NDF: 4866409.6/30	- 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: 85.575+/-227.085 χ^2/NDF : 29.6/27

Left Out: 600.005+/-234.968 χ^2/NDF : 18.5/24

Right Out: 277.901+/-215.253 χ^2/NDF : 29.8/30

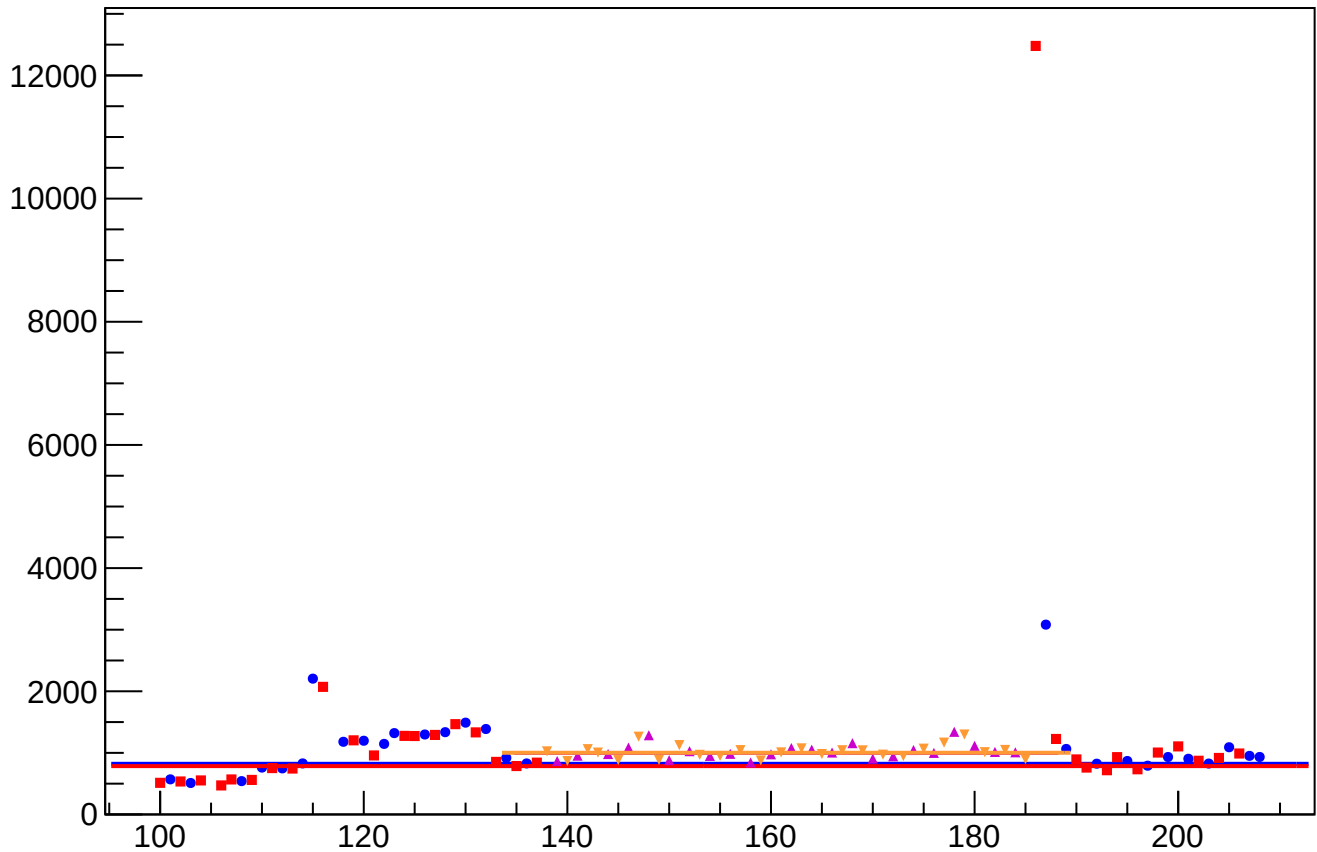
Left In: 41.559+/-240.807 χ^2/NDF : 36.4/22

+ sign 334.016+/-163.289 χ^2/NDF : 50.5/52

All: 252.078+/-114.458 χ^2/NDF : 117.8/106

- sign 172.932+/-160.484 χ^2/NDF : 66.7/53

asym_sam5_rms vs Slug



Right In: 822.438 $\pm$ 0.161 χ^2 /NDF: 2168498.6/27

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

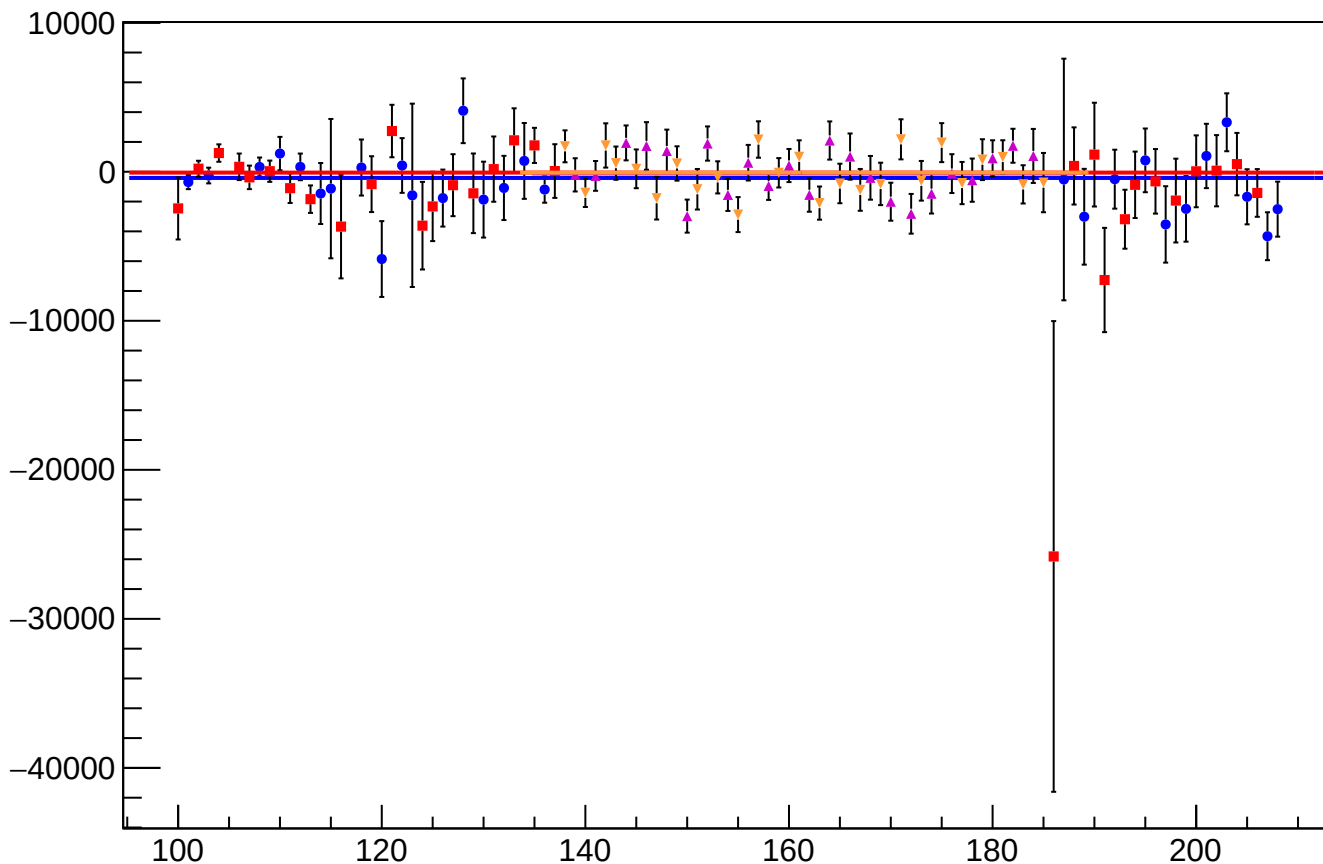
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 908.902 $\pm$ 0.115 χ^2 /NDF: 3139165.0/52

All: 893.964 $\pm$ 0.081 χ^2 /NDF: 7571173.2/106

- sign 879.536 $\pm$ 0.113 χ^2 /NDF: 4399105.4/53

asym_sam6_mean vs Slug



Right In: -415.761 ± 233.694 χ^2/NDF : 31.2/27

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -56.879 ± 232.022 χ^2/NDF : 32.9/30

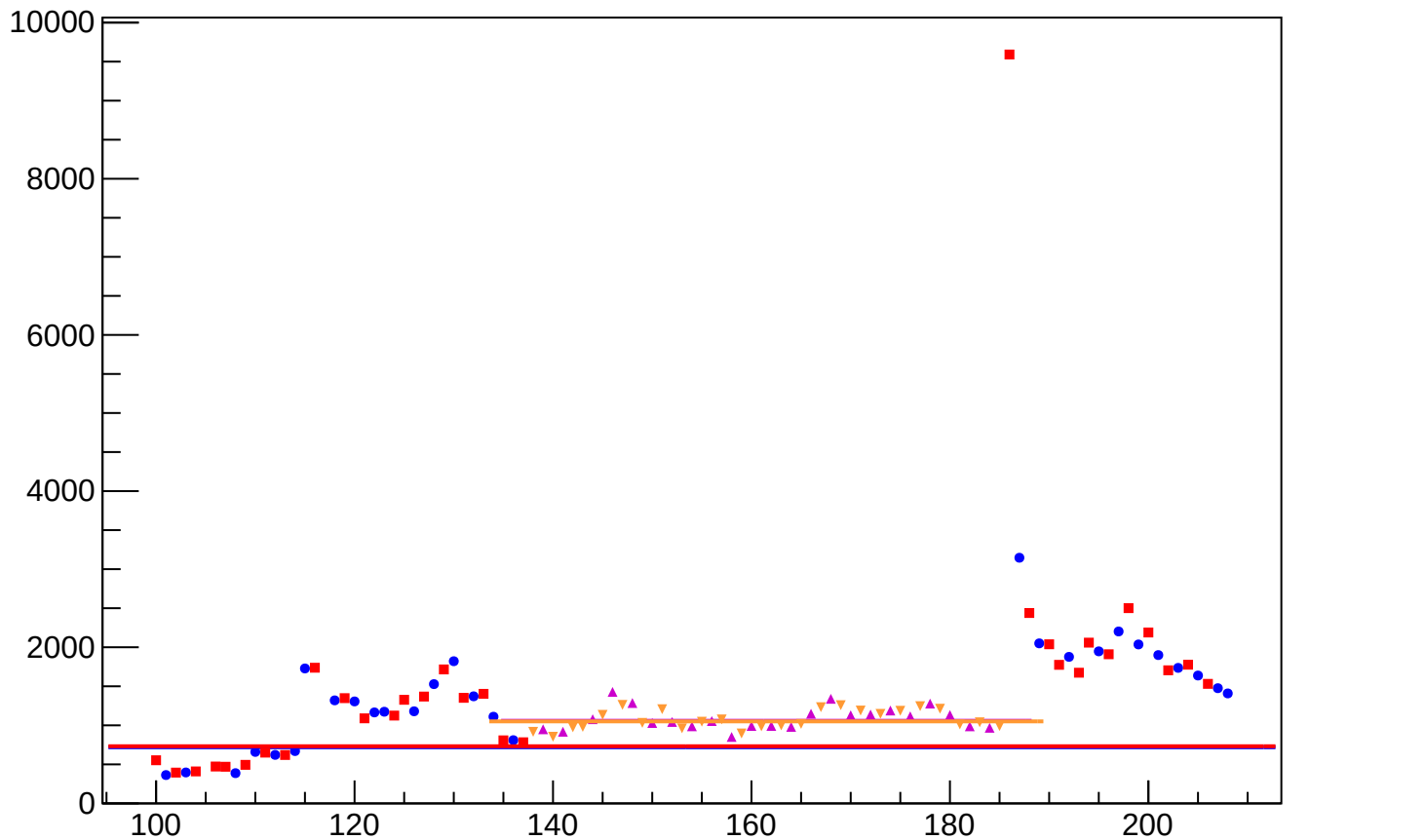
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -247.281 ± 169.594 χ^2/NDF : 63.3/52

All: -165.670 ± 120.672 χ^2/NDF : 131.5/106

- sign -81.981 ± 171.739 χ^2/NDF : 67.8/53

asym_sam6_rms vs Slug



Right In: 719.321+/-0.165 χ^2/NDF : 9619094.4/27

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 732.052+/-0.164 χ^2/NDF : 10093820.8/30

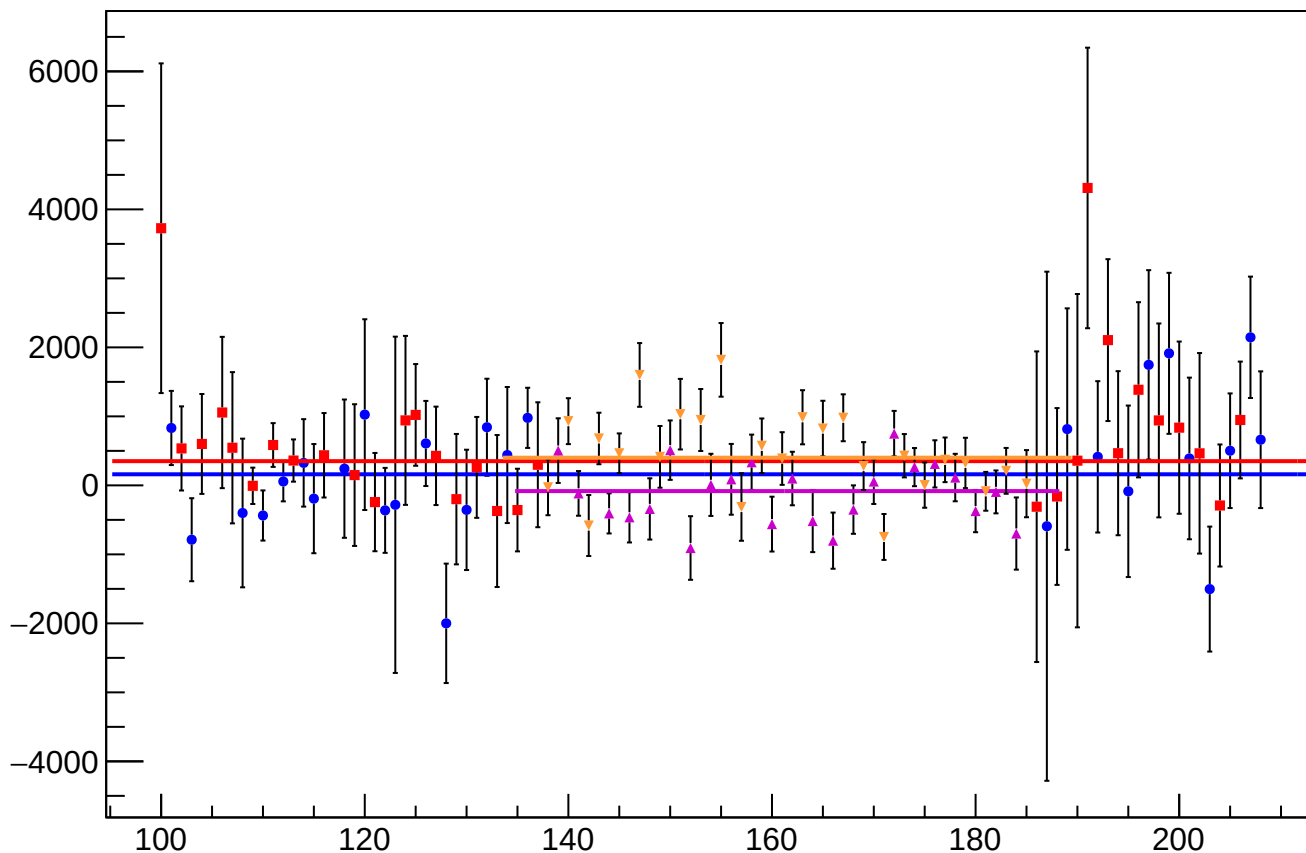
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 876.154+/-0.120 χ^2/NDF : 12005185.1/52

All: 877.790+/-0.085 χ^2/NDF : 24413573.4/10

- sign 879.467+/-0.121 χ^2/NDF : 12408011.5/53

asym_sam7_mean vs Slug



Right In: 160.537 ± 131.794 $\chi^2/\text{NDF}: 33.0/27$

Left Out: 400.988 ± 74.546 $\chi^2/\text{NDF}: 52.1/24$

Right Out: 350.980 ± 122.250 $\chi^2/\text{NDF}: 17.4/30$

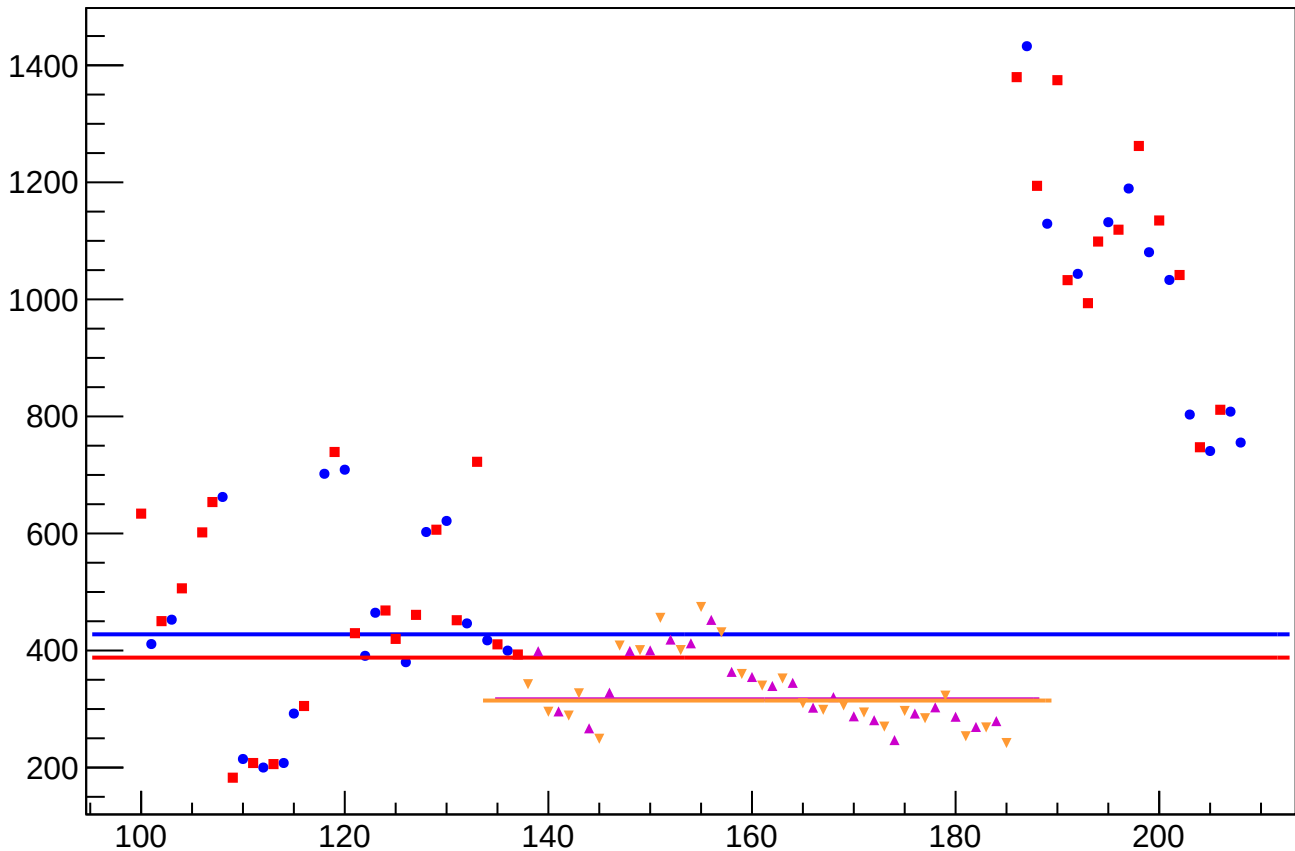
Left In: -82.890 ± 76.904 $\chi^2/\text{NDF}: 29.0/22$

+ sign 342.706 ± 64.886 $\chi^2/\text{NDF}: 87.6/52$

All: 191.902 ± 45.955 $\chi^2/\text{NDF}: 153.8/106$

- sign 40.125 ± 65.095 $\chi^2/\text{NDF}: 55.4/53$

asym_sam7_rms vs Slug



Right In: 427.667 $\pm$ 0.093 χ^2 /NDF: 7520105.3/27

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

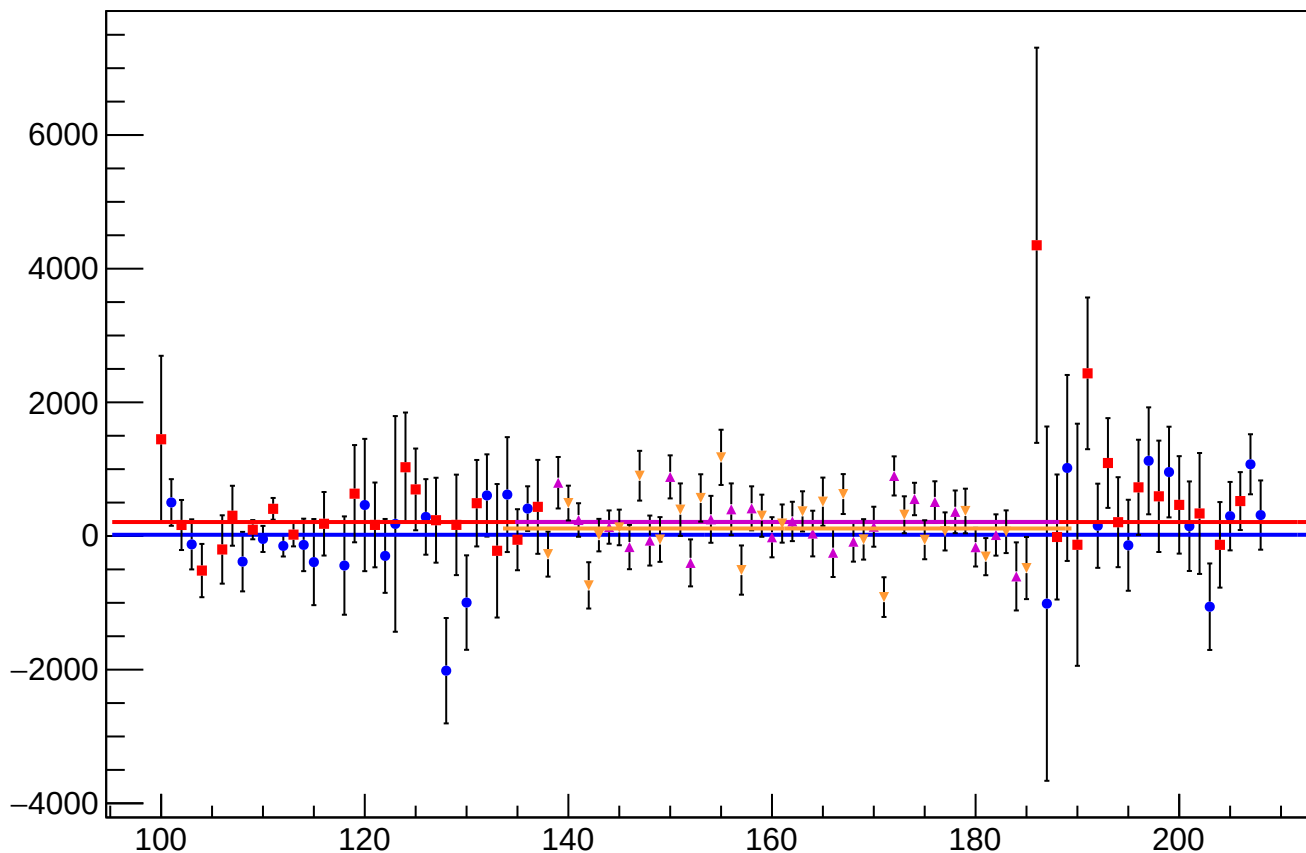
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF: 920874.0/22

+ sign 341.959 $\pm$ 0.046 χ^2 /NDF: 9748972.5/52

All: 339.411 $\pm$ 0.032 χ^2 /NDF: 20990203.2/10

- sign 336.846 $\pm$ 0.046 χ^2 /NDF: 11235040.6/53

asym_sam8_mean vs Slug



Right In: 18.196 ± 82.267 $\chi^2/\text{NDF}: 30.8/27$

Left Out: 112.242 ± 62.643 $\chi^2/\text{NDF}: 49.1/24$

Right Out: 208.905 ± 72.576 $\chi^2/\text{NDF}: 20.4/30$

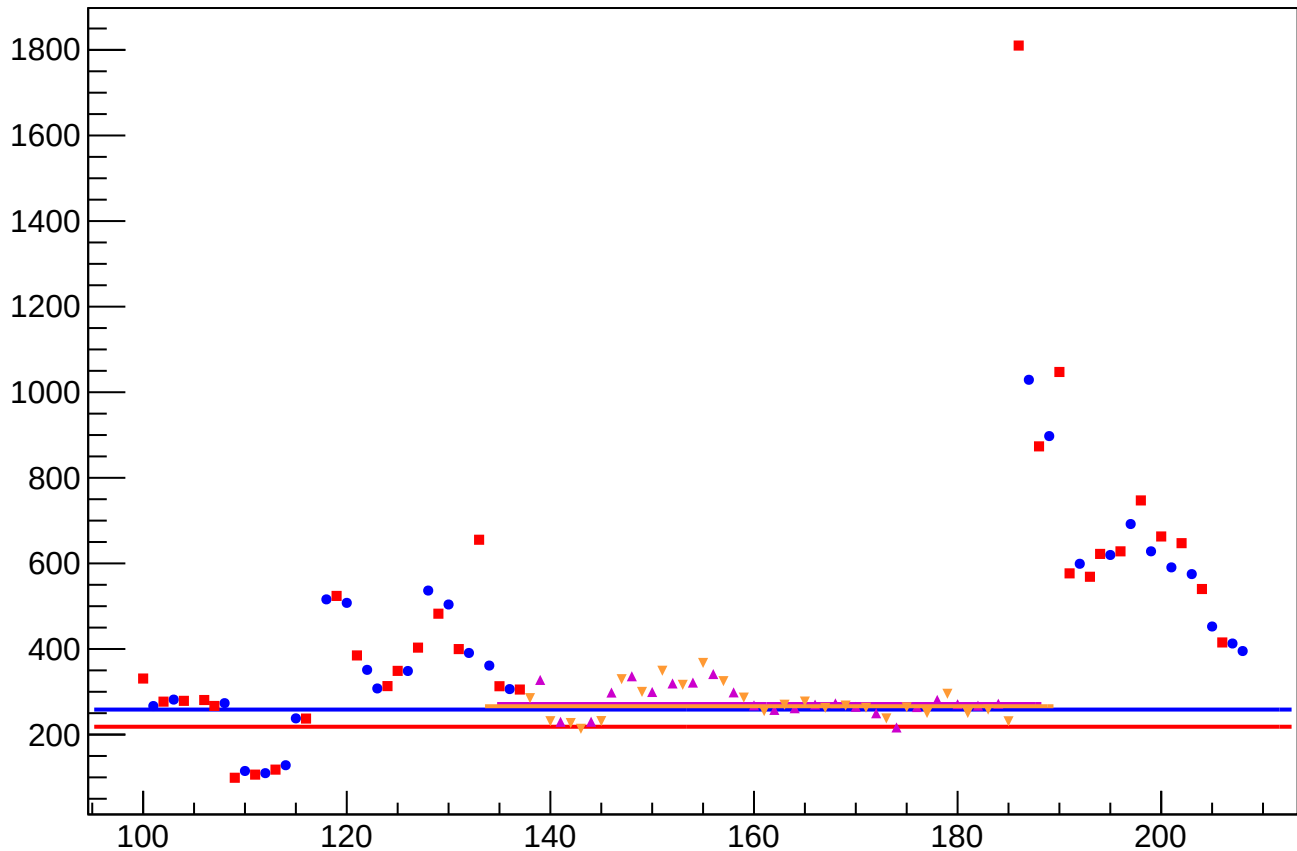
Left In: 210.453 ± 65.510 $\chi^2/\text{NDF}: 29.2/22$

+ sign 77.725 ± 49.839 $\chi^2/\text{NDF}: 80.8/52$

All: 145.363 ± 34.806 $\chi^2/\text{NDF}: 133.9/106$

- sign 209.758 ± 48.630 $\chi^2/\text{NDF}: 49.5/53$

asym_sam8_rms vs Slug



Right In: 258.440 $\pm$ 0.058 χ^2 /NDF: 8758924.1/27

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

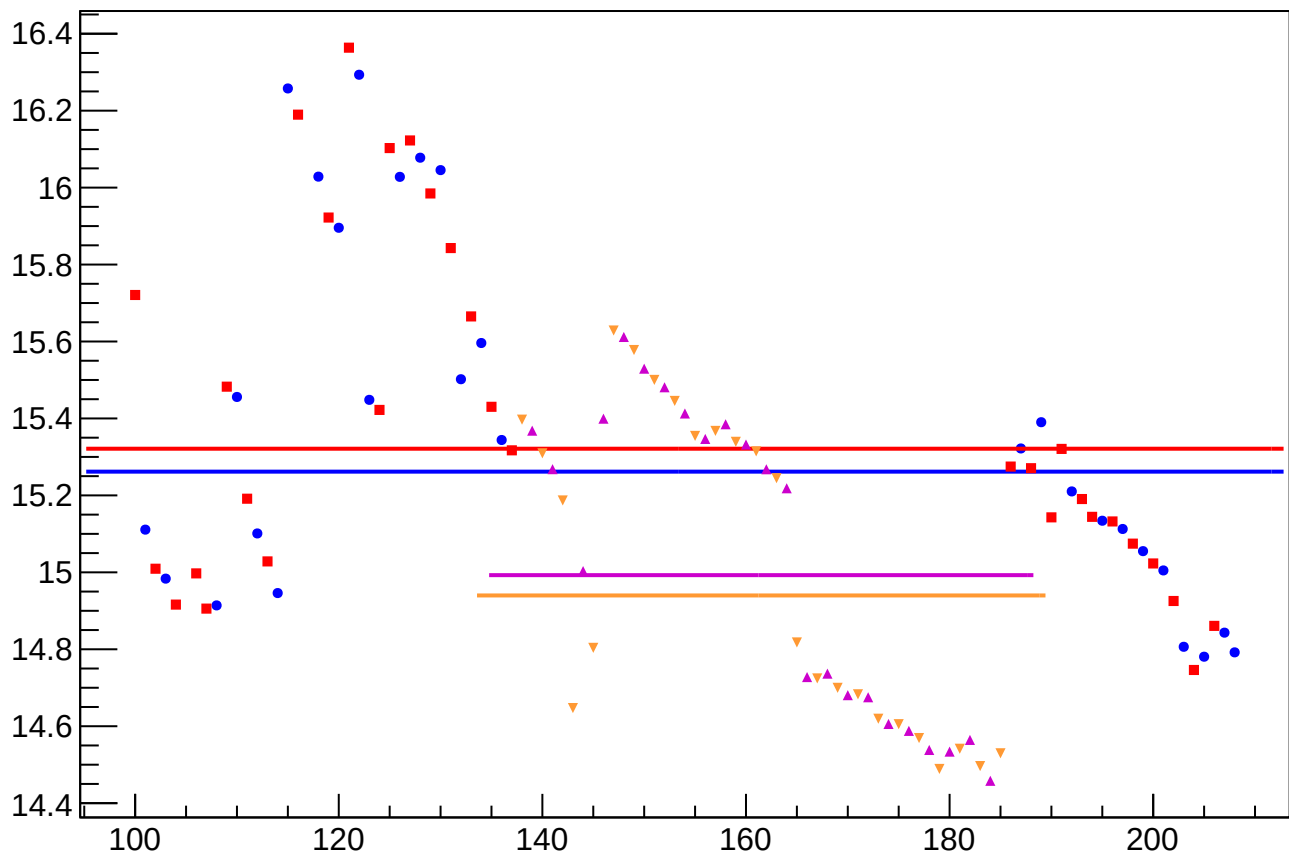
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 263.356 $\pm$ 0.035 χ^2 /NDF: 9419839.8/52

All: 255.272 $\pm$ 0.025 χ^2 /NDF: 22479655.2/10

- sign 247.575 $\pm$ 0.034 χ^2 /NDF: 12957087.2/53

yield_sam1_mean vs Slug



Right In: 15.262 $\pm$ 0.000 χ^2 /NDF: 15249691675.0/27

Left Out: 14.940 $\pm$ 0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 15.321 $\pm$ 0.000 χ^2 /NDF: 13397977916.2/30

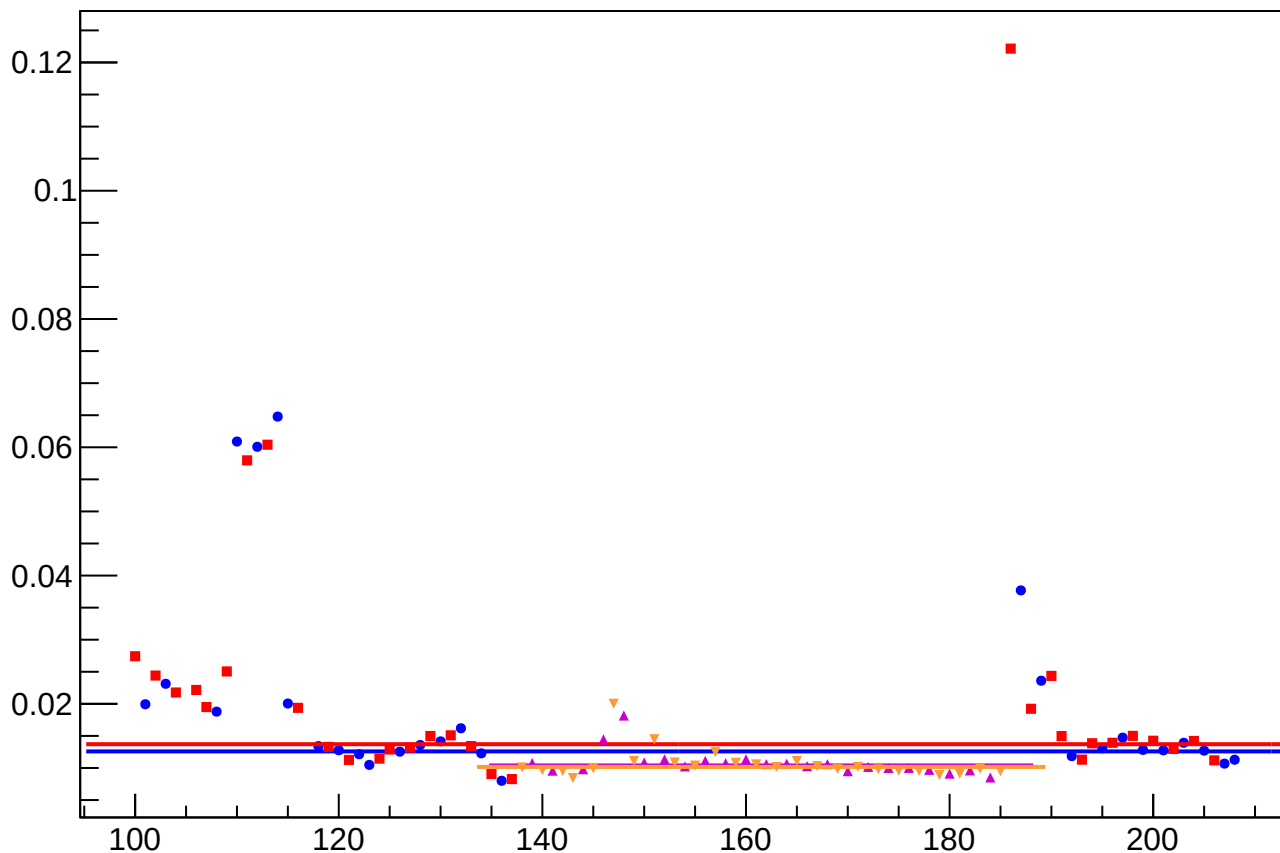
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 15.043 $\pm$ 0.000 χ^2 /NDF: 44985322253.4/52

All: 15.067 $\pm$ 0.000 χ^2 /NDF: 85772302455.5

- sign 15.094 $\pm$ 0.000 χ^2 /NDF: 40483089084.5/53

yield_sam1_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2571560.6/27

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717351.4/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 3087238.7/30

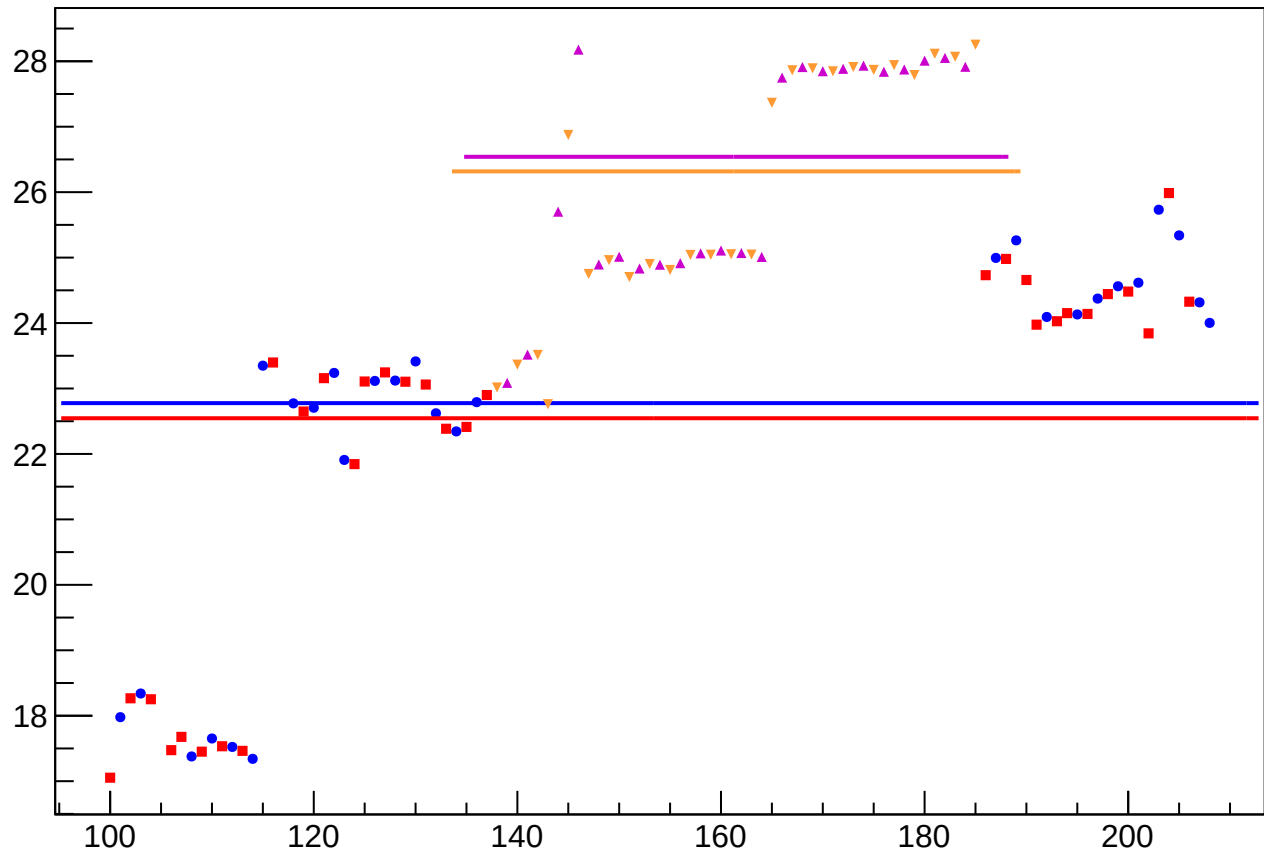
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3915819.8/52

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 8627187.5/106

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4658009.7/53

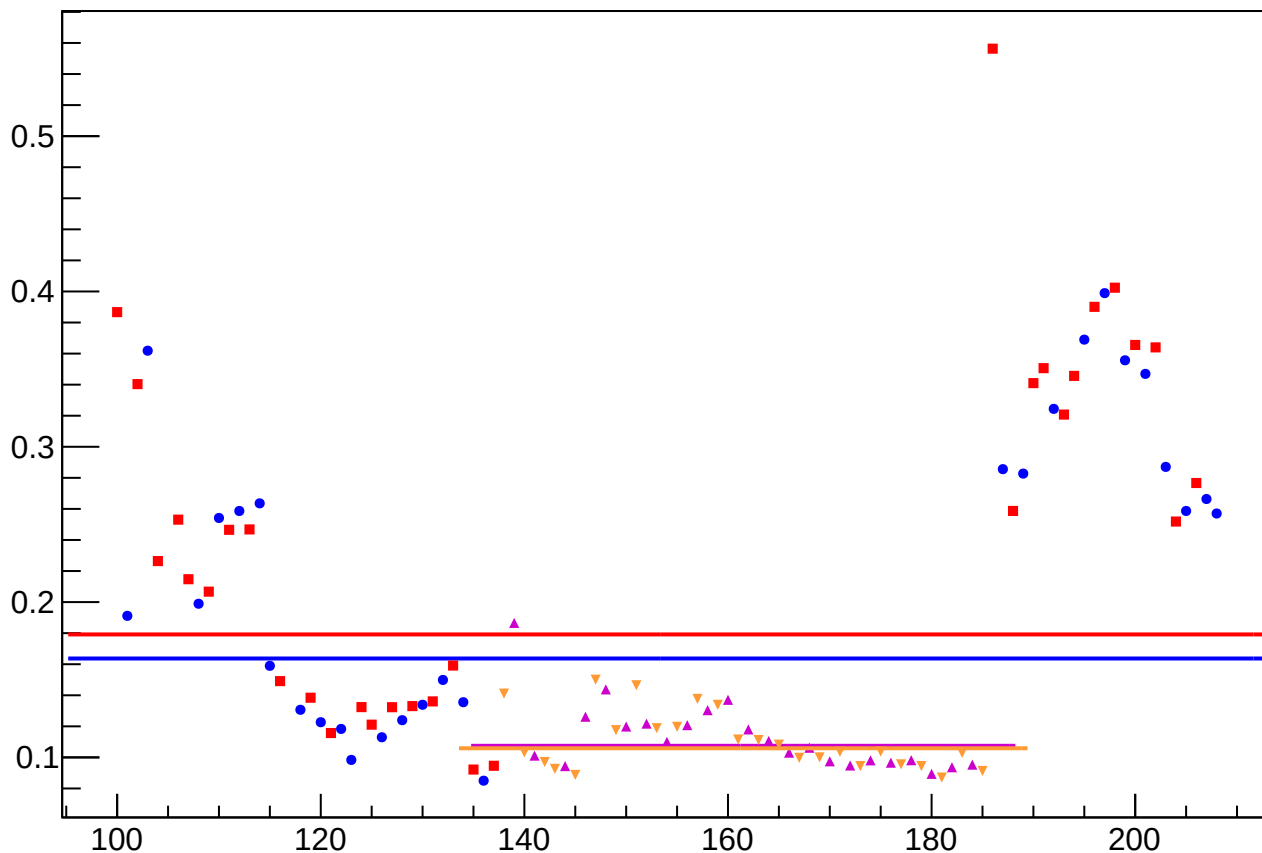
yield_sam2_mean vs Slug



Right In: 22.776+/-0.000 χ^2/NDF : 1324229469.1/27
 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 25.549+/-0.000 χ^2/NDF : 9876703522.5/52
 All: 25.617+/-0.000 χ^2/NDF : 19097734387.9
 - sign 25.691+/-0.000 χ^2/NDF : 9203817221.5/53

yield_sam2_rms vs Slug



Right In: 0.164 $\pm$ 0.000 χ^2 /NDF: 5765900.0/27

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

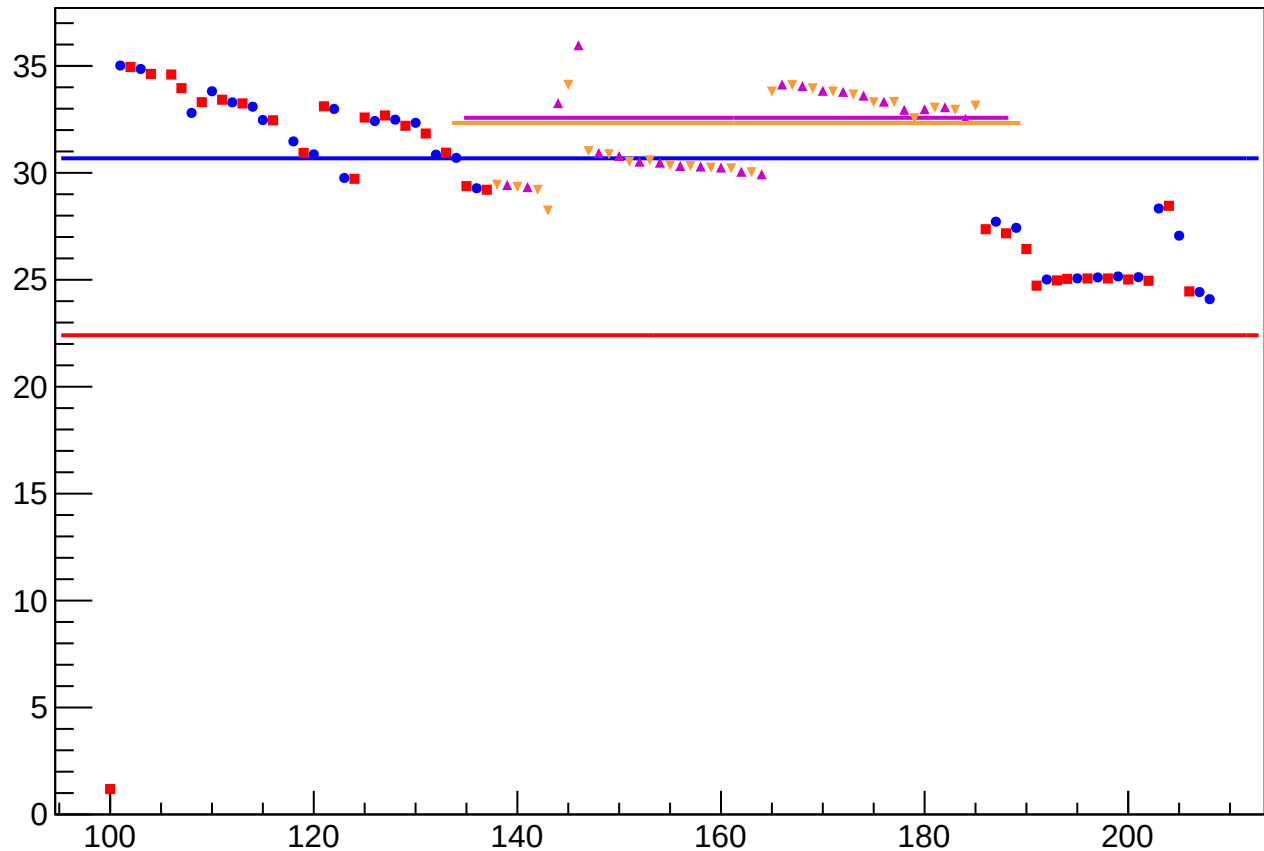
Left In: 0.107 $\pm$ 0.000 χ^2 /NDF: 771132.0/22

+ sign 0.118 $\pm$ 0.000 χ^2 /NDF: 8543286.2/52

All: 0.120 $\pm$ 0.000 χ^2 /NDF: 17811604.9/106

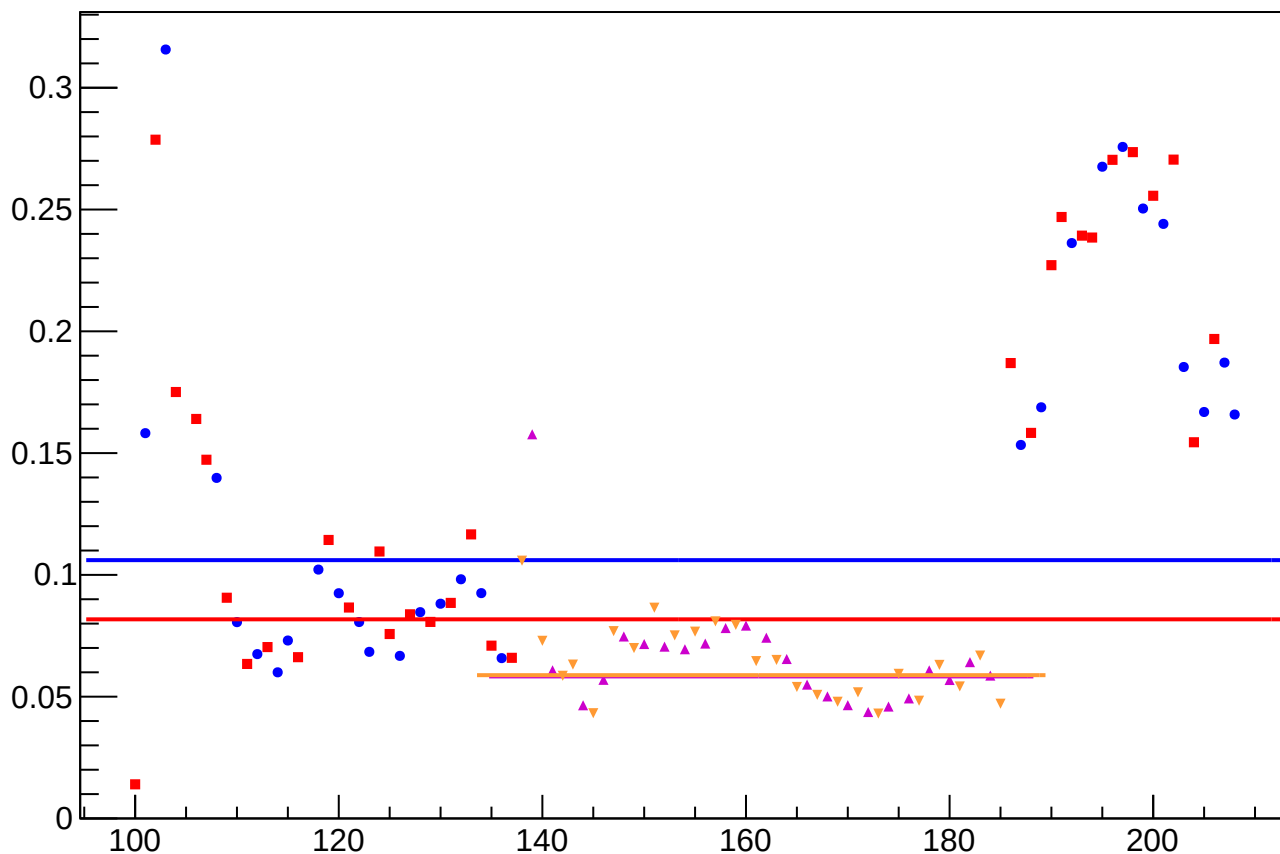
- sign 0.123 $\pm$ 0.000 χ^2 /NDF: 9236587.8/53

yield_sam3_mean vs Slug



Right In: 30.679+/-0.000	χ^2/NDF : 7371219058.9/27	+ sign 32.035+/-0.000	χ^2/NDF : 22224714240.9/52
Left Out: 32.331+/-0.000	χ^2/NDF : 12850475096.2/24	All: 31.072+/-0.000	χ^2/NDF : 372262758674.
Right Out: 22.406+/-0.000	χ^2/NDF : 232100712057.5/30	- sign 30.140+/-0.000	χ^2/NDF : 340928190711.4/53
Left In: 32.574+/-0.000	χ^2/NDF : 11797772603.7/22		

yield_sam3_rms vs Slug



Right In: 0.106 $\pm$ 0.000 χ^2 /NDF: 5781803.7/27

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.082 $\pm$ 0.000 χ^2 /NDF: 10623091.7/30

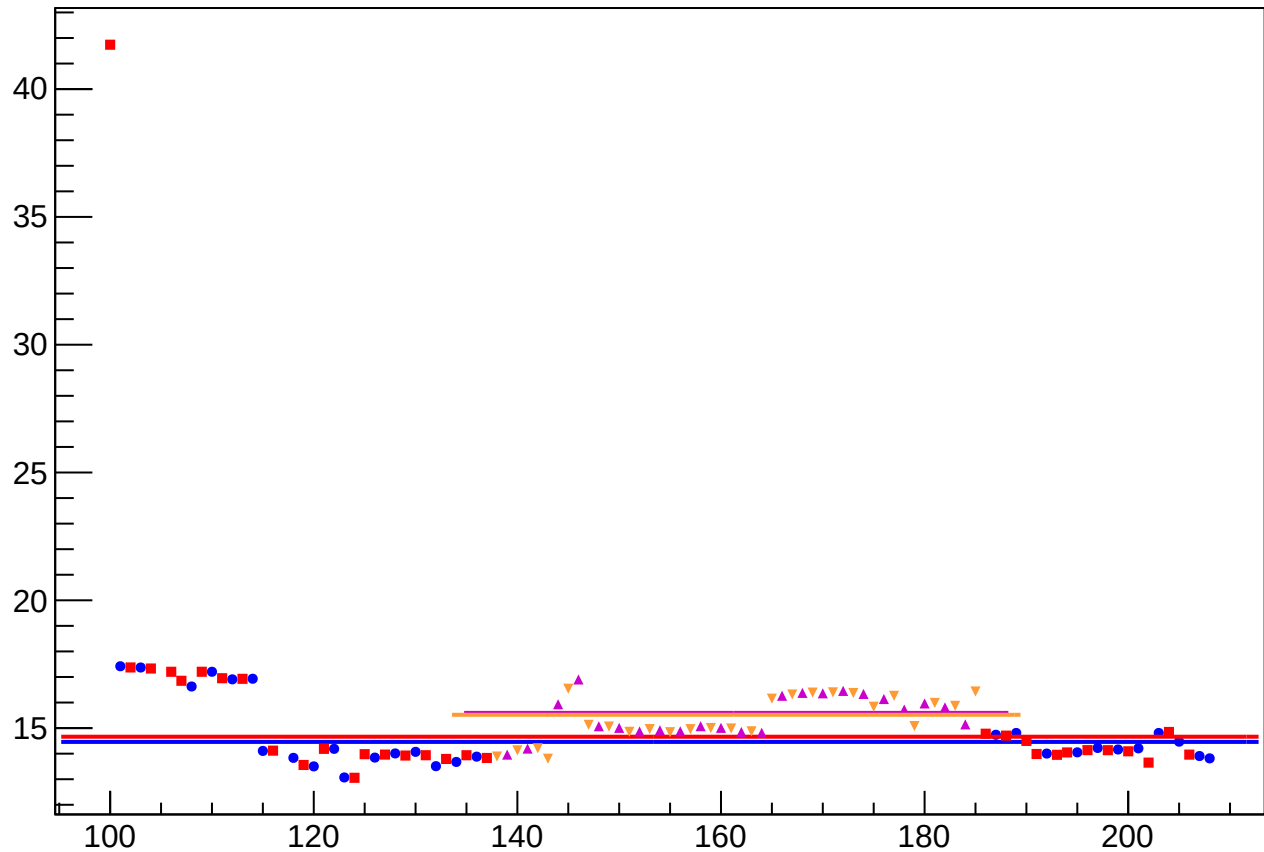
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.067 $\pm$ 0.000 χ^2 /NDF: 10459015.6/52

All: 0.066 $\pm$ 0.000 χ^2 /NDF: 23696148.7/106

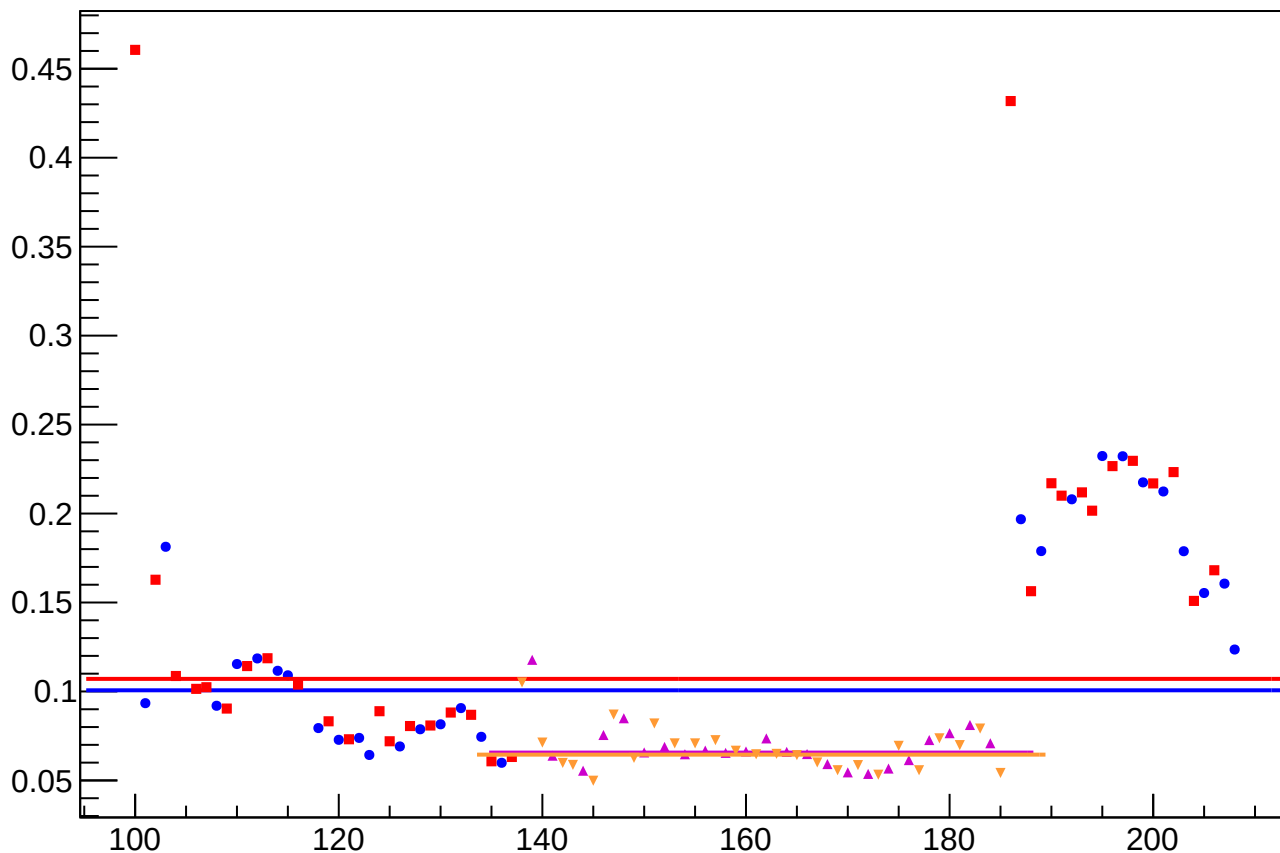
- sign 0.064 $\pm$ 0.000 χ^2 /NDF: 13179661.1/53

yield_sam4_mean vs Slug



Right In: 14.460 $\pm$ 0.000	χ^2 /NDF: 1528899323.9/27	+ sign 15.283 $\pm$ 0.000	χ^2 /NDF: 5066361705.3/52
Left Out: 15.521 $\pm$ 0.000	χ^2 /NDF: 2591377740.5/24	All: 15.332 $\pm$ 0.000	χ^2 /NDF: 9644468311.7/1
Right Out: 14.663 $\pm$ 0.000	χ^2 /NDF: 1969872407.1/30	- sign 15.384 $\pm$ 0.000	χ^2 /NDF: 4554415803.8/53
Left In: 15.595 $\pm$ 0.000	χ^2 /NDF: 1908733580.5/22		

yield_sam4_rms vs Slug



Right In: 0.101+/-0.000 χ^2/NDF : 4841202.8/27

Left Out: 0.064+/-0.000 χ^2/NDF : 761552.3/24

Right Out: 0.107+/-0.000 χ^2/NDF : 4978081.2/30

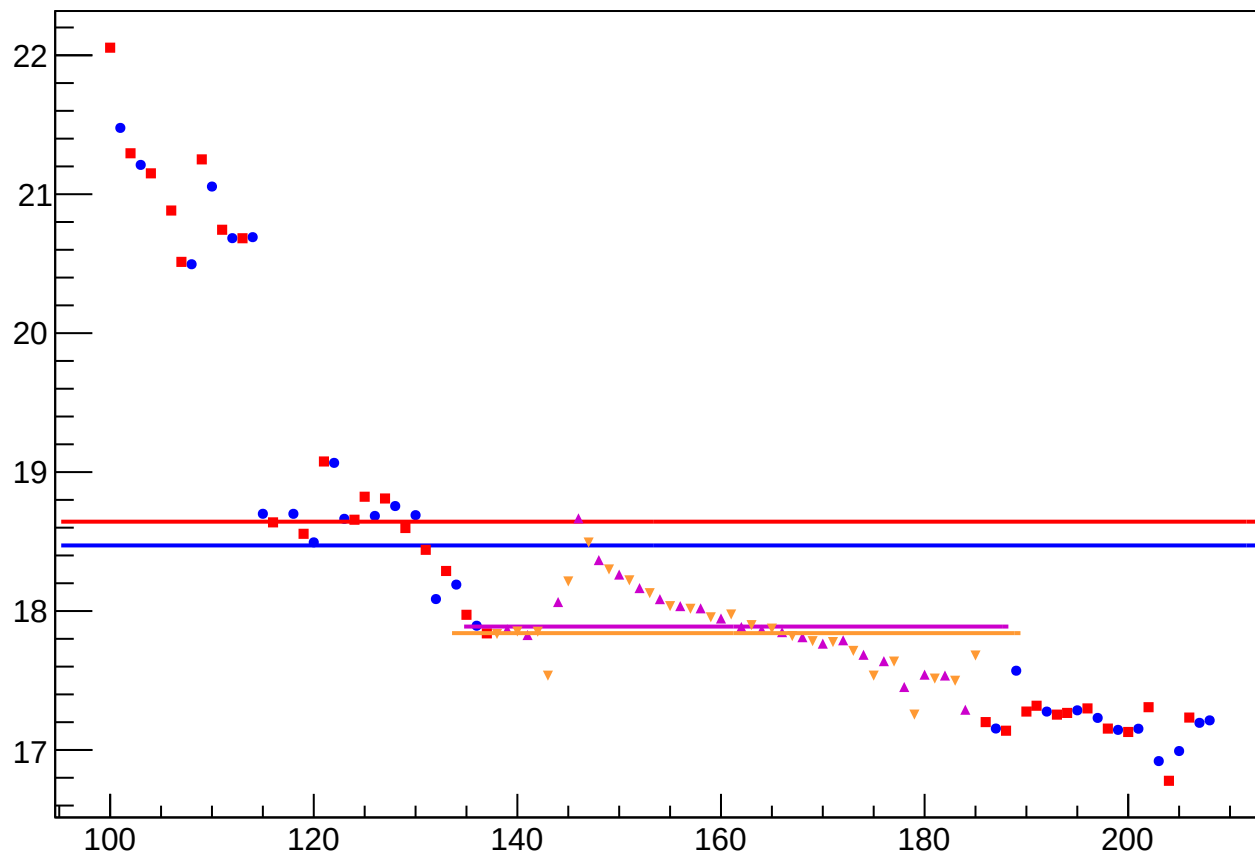
Left In: 0.066+/-0.000 χ^2/NDF : 714703.1/22

+ sign 0.073+/-0.000 χ^2/NDF : 7800533.6/52

All: 0.074+/-0.000 χ^2/NDF : 16189974.2/106

- sign 0.075+/-0.000 χ^2/NDF : 8362345.7/53

yield_sam5_mean vs Slug



Right In: 18.472+/-0.000 χ^2/NDF : 30906158936.8/27

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 18.643+/-0.000 χ^2/NDF : 32273974031.9/30

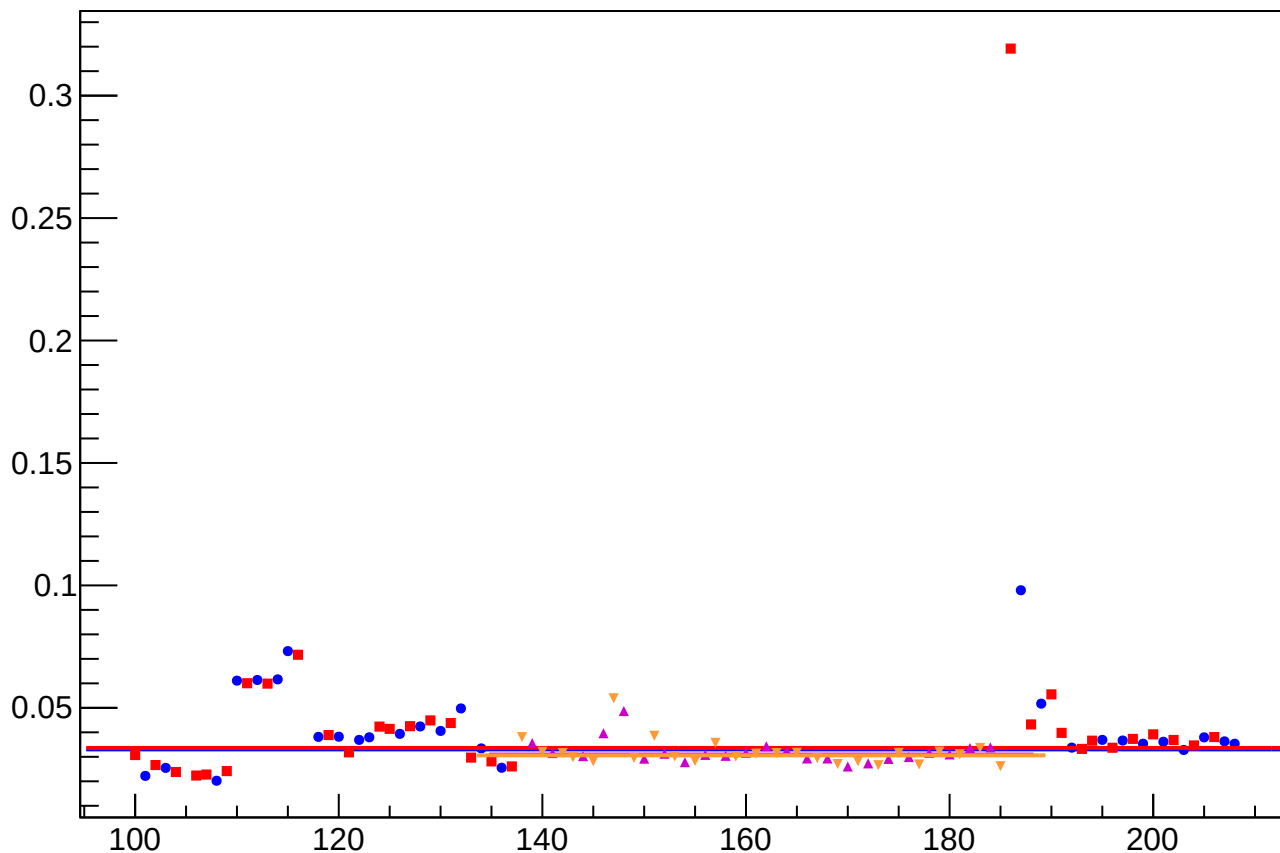
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.085+/-0.000 χ^2/NDF : 35056901242.5/52

All: 18.136+/-0.000 χ^2/NDF : 72660297547.2

- 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: 1740551.8/27

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

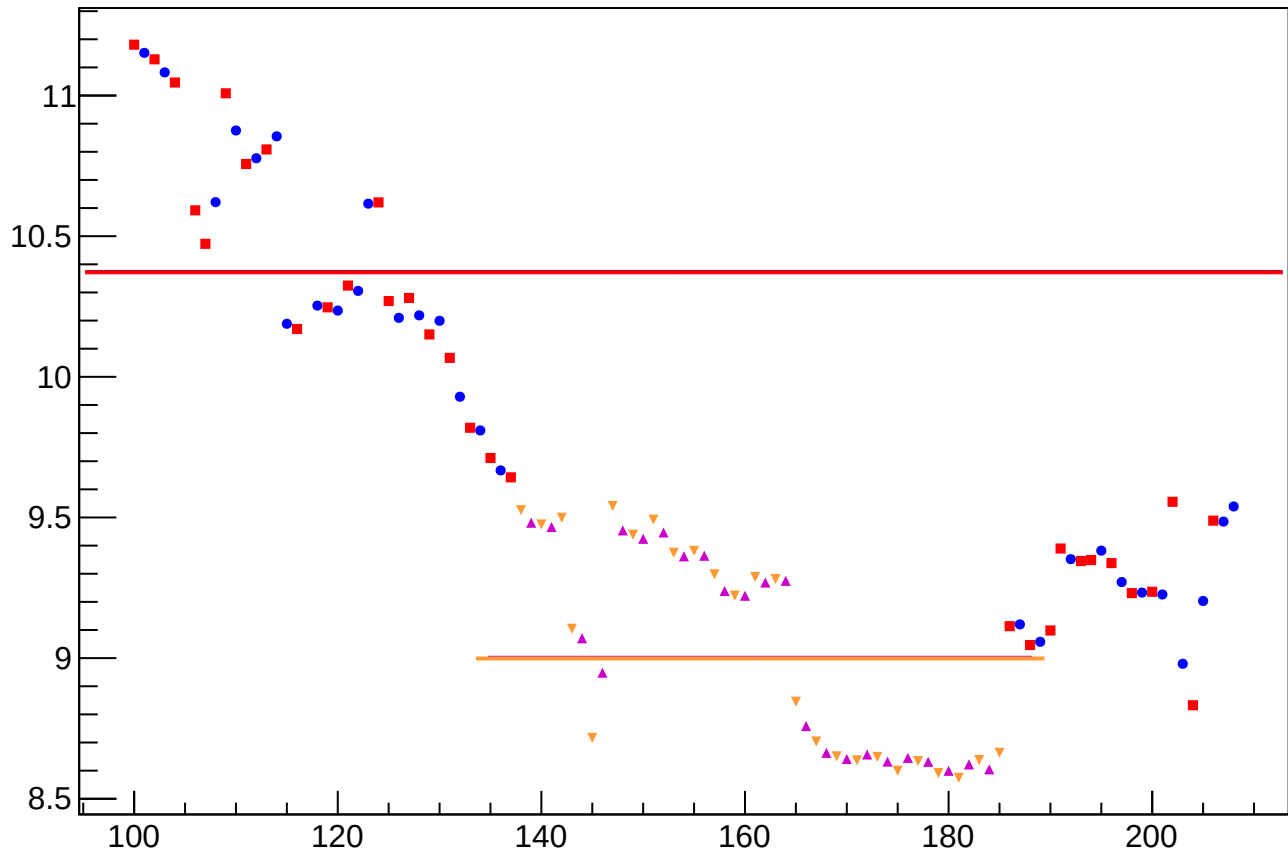
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2416471.0/52

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 5137825.3/106

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2715511.0/53

yield_sam6_mean vs Slug



Right In: 10.373+/-0.000 χ^2/NDF : 14639211714.4/27

Left Out: 8.999+/-0.000 χ^2/NDF : 6392583736.5/24

Right Out: 10.372+/-0.000 χ^2/NDF : 12838773266.1/30

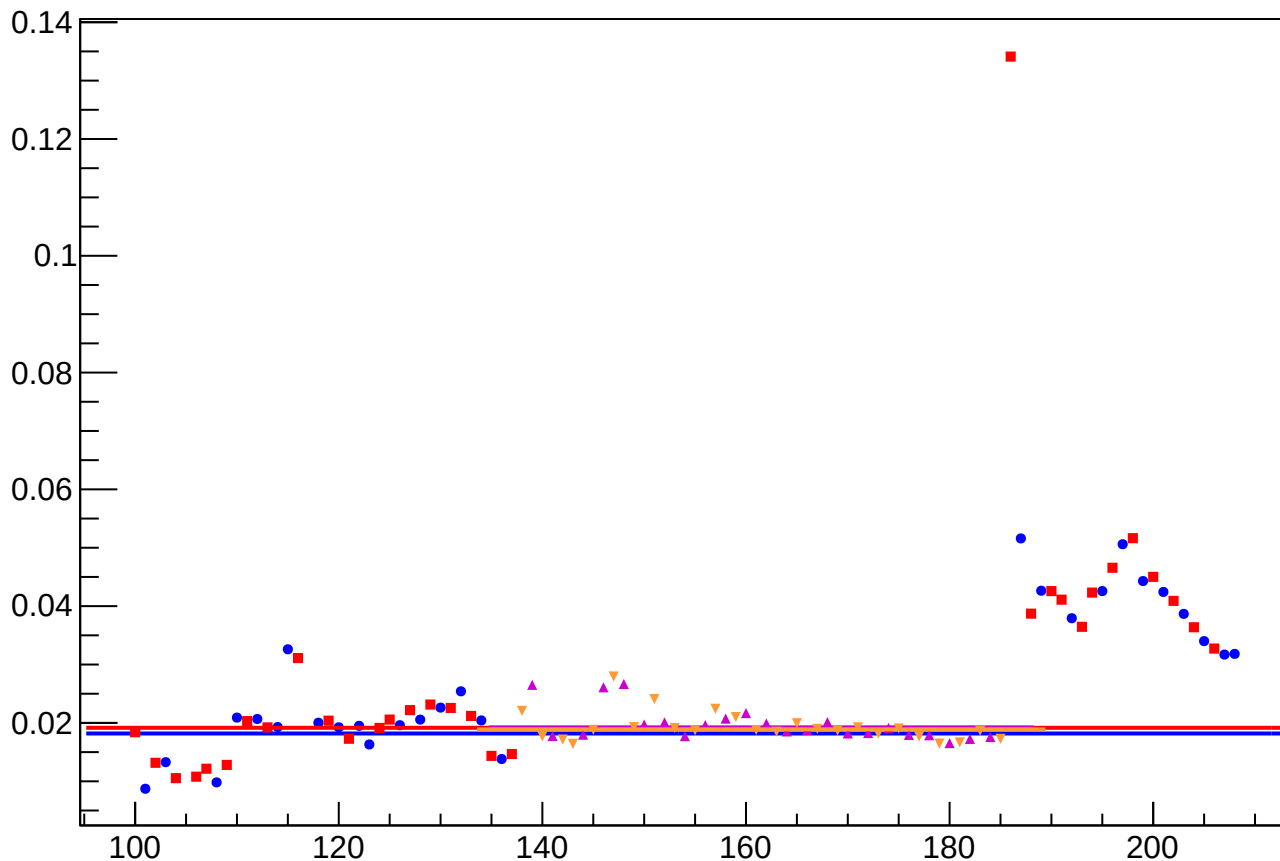
Left In: 9.001+/-0.000 χ^2/NDF : 5314536205.4/22

+ sign 9.546+/-0.000 χ^2/NDF : 56349940933.7/52

All: 9.555+/-0.000 χ^2/NDF : 107577763419.8

- sign 9.565+/-0.000 χ^2/NDF : 51214506758.6/53

yield_sam6_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 6578191.3/27

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

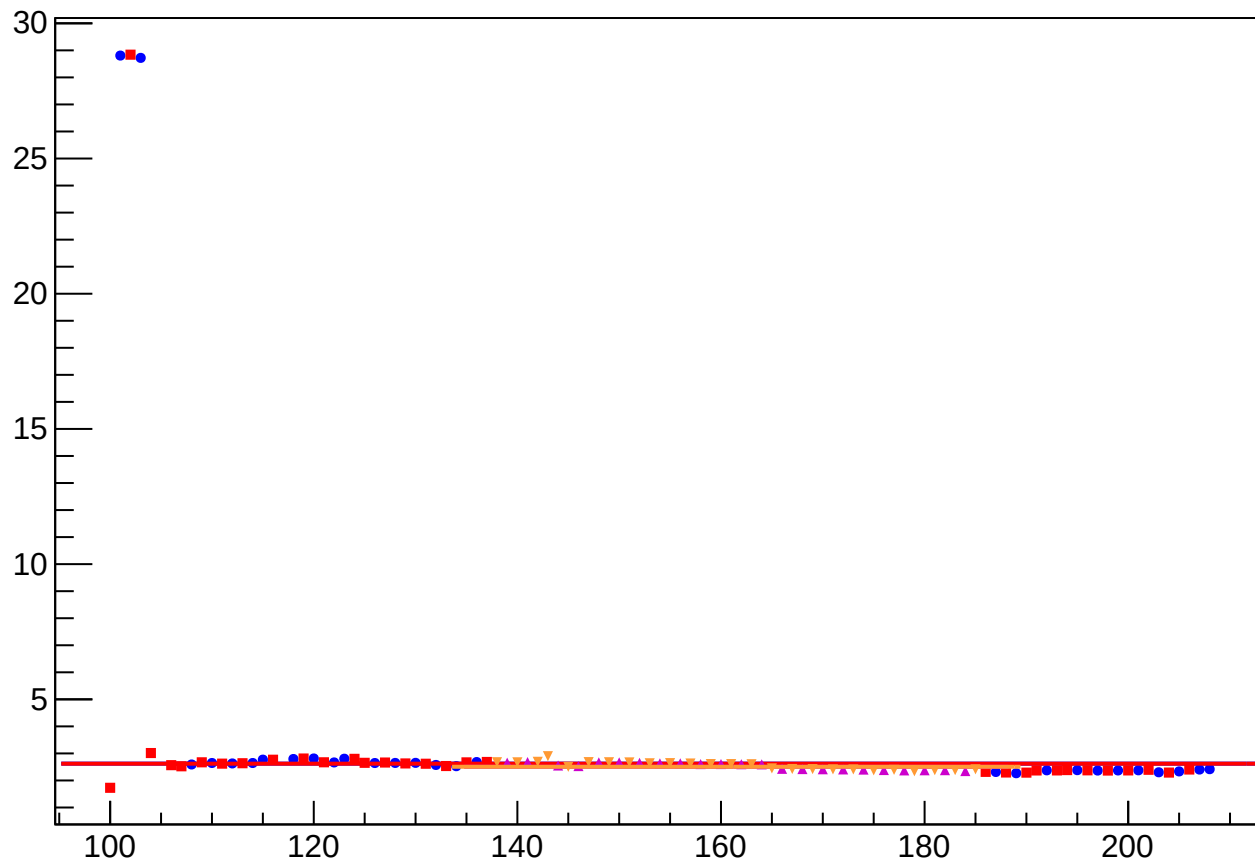
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:481824.0/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 7025132.1/52

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 14038922.8/106

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 6988009.3/53

yield_sam7_mean vs Slug



Right In: 2.622 $\pm$ 0.000 χ^2 /NDF: 180451565625.7/27

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

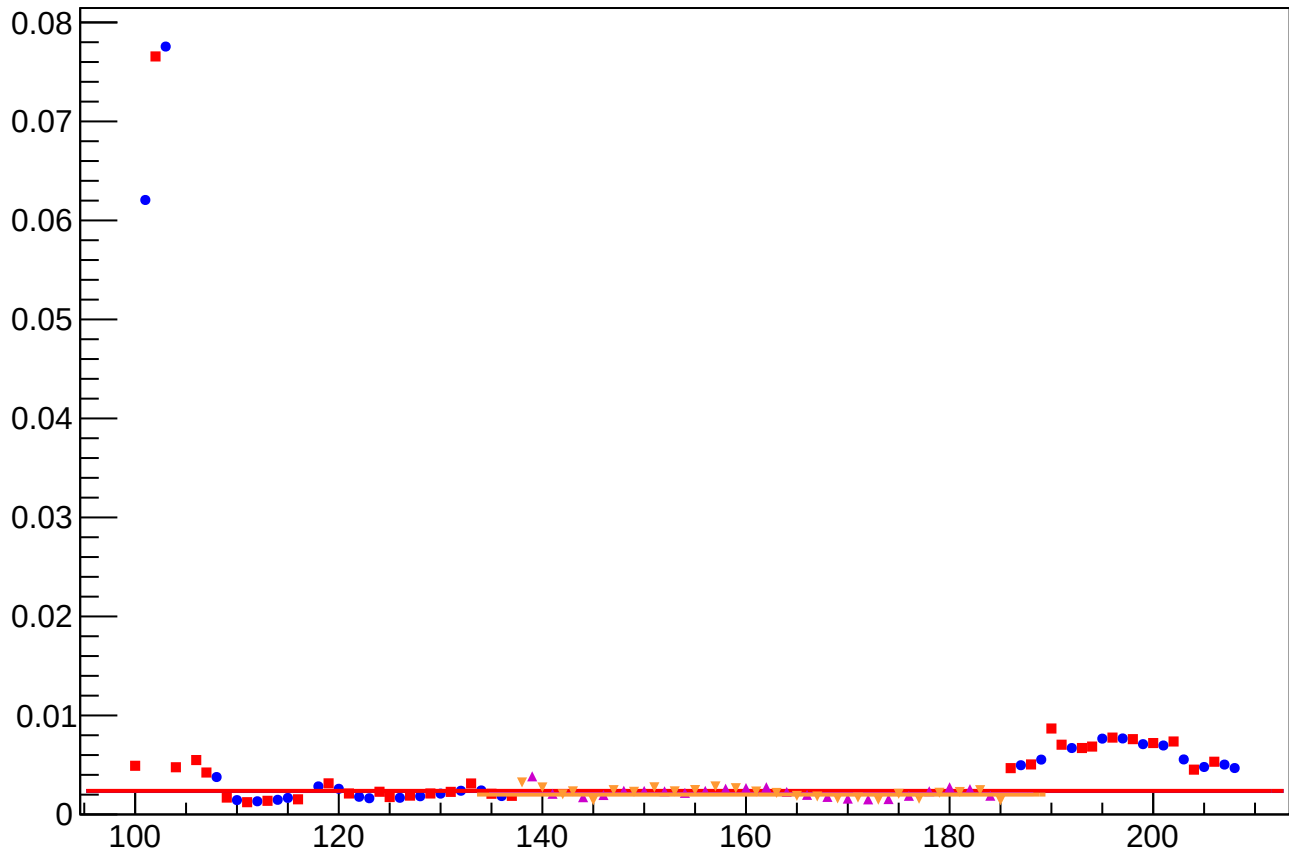
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.541 $\pm$ 0.000 χ^2 /NDF: 259369220694.4/52

All: 2.542 $\pm$ 0.000 χ^2 /NDF: 405389218874.5

- 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: 9083663.8/27

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

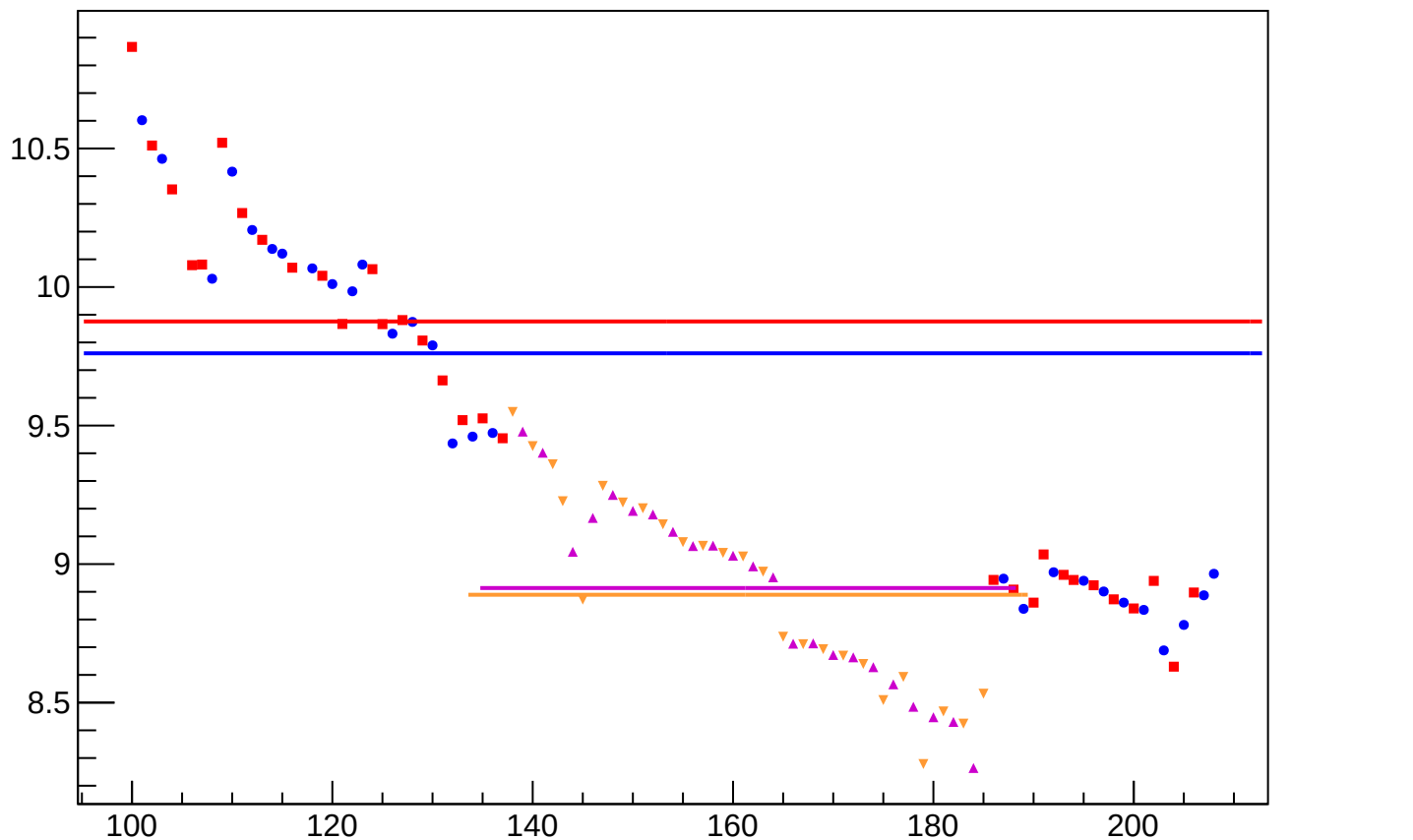
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 10836199.4/52

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 21547108.0/106

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 10698009.5/53

yield_sam8_mean vs Slug



Right In: 9.761 $\pm$ 0.000 χ^2 /NDF: 65315225618.9/27

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 9.876 $\pm$ 0.000 χ^2 /NDF: 62281741855.9/30

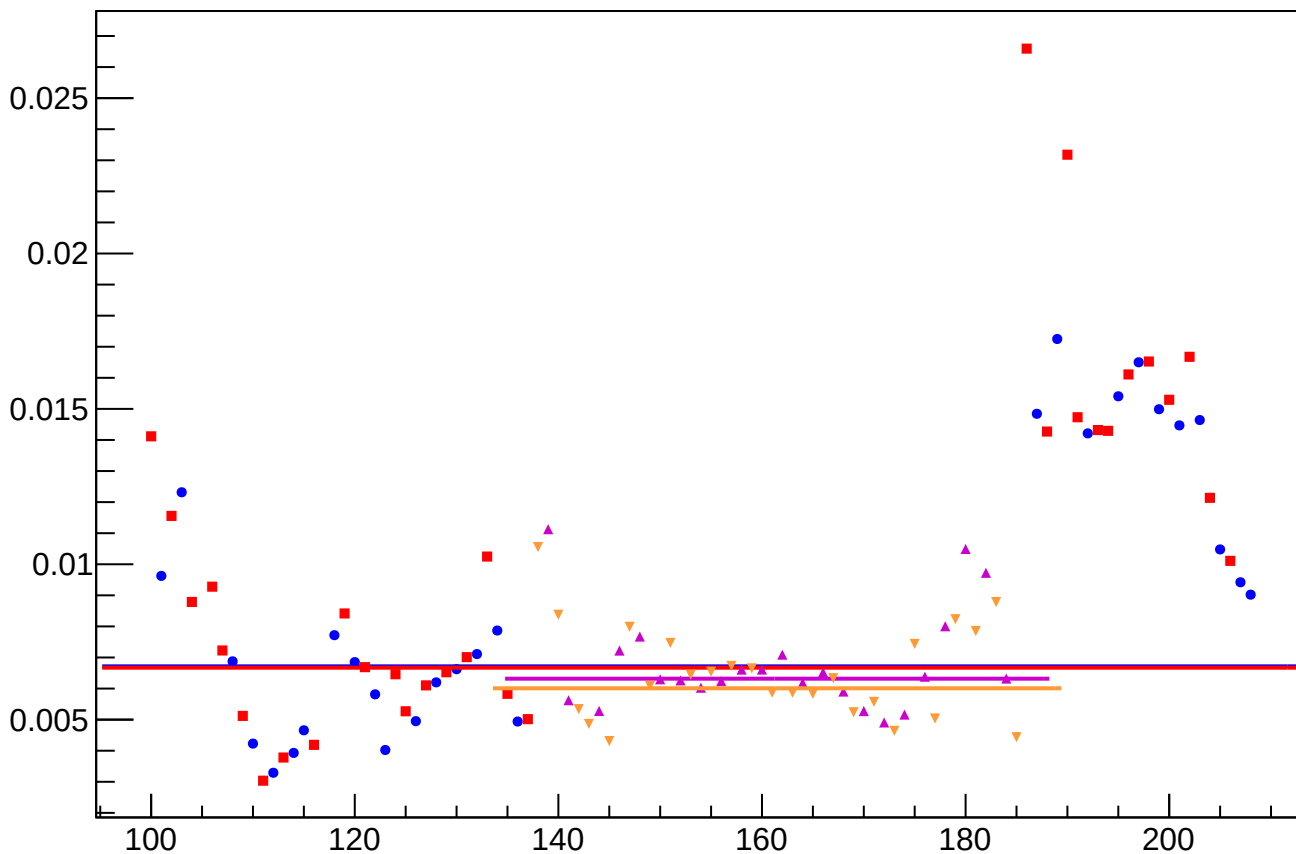
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.204 $\pm$ 0.000 χ^2 /NDF: 210456913671.7/52

All: 9.248 $\pm$ 0.000 χ^2 /NDF: 432020220106.1

- sign 9.296 $\pm$ 0.000 χ^2 /NDF: 218992801809.3/53

yield_sam8_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5726100.2/27

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

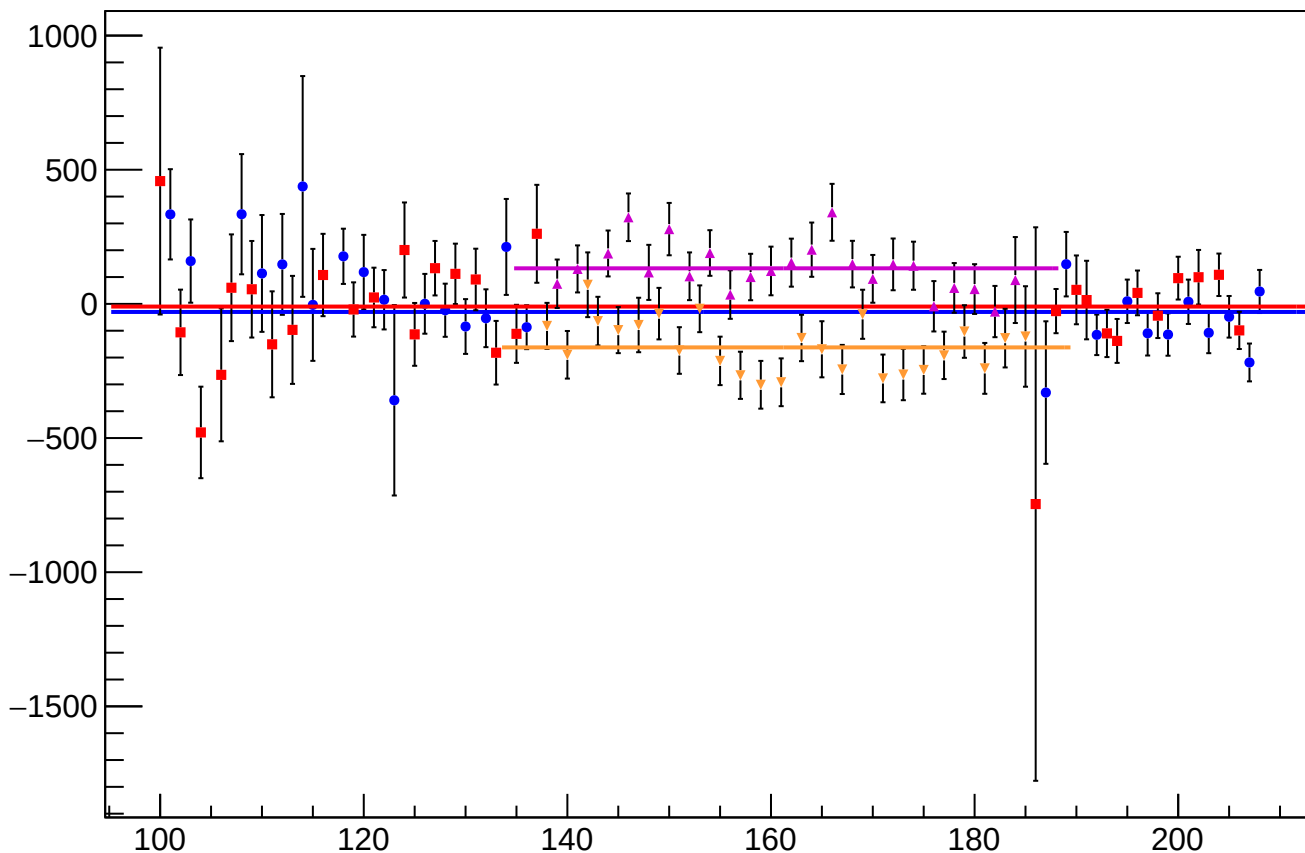
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7183348.2/52

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 15521572.9/106

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 8315338.0/53

reg_asym_sam1_mean vs Slug



Right In: -30.058 ± 19.939 χ^2/NDF : 36.8/27

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -9.978 ± 20.381 χ^2/NDF : 34.7/30

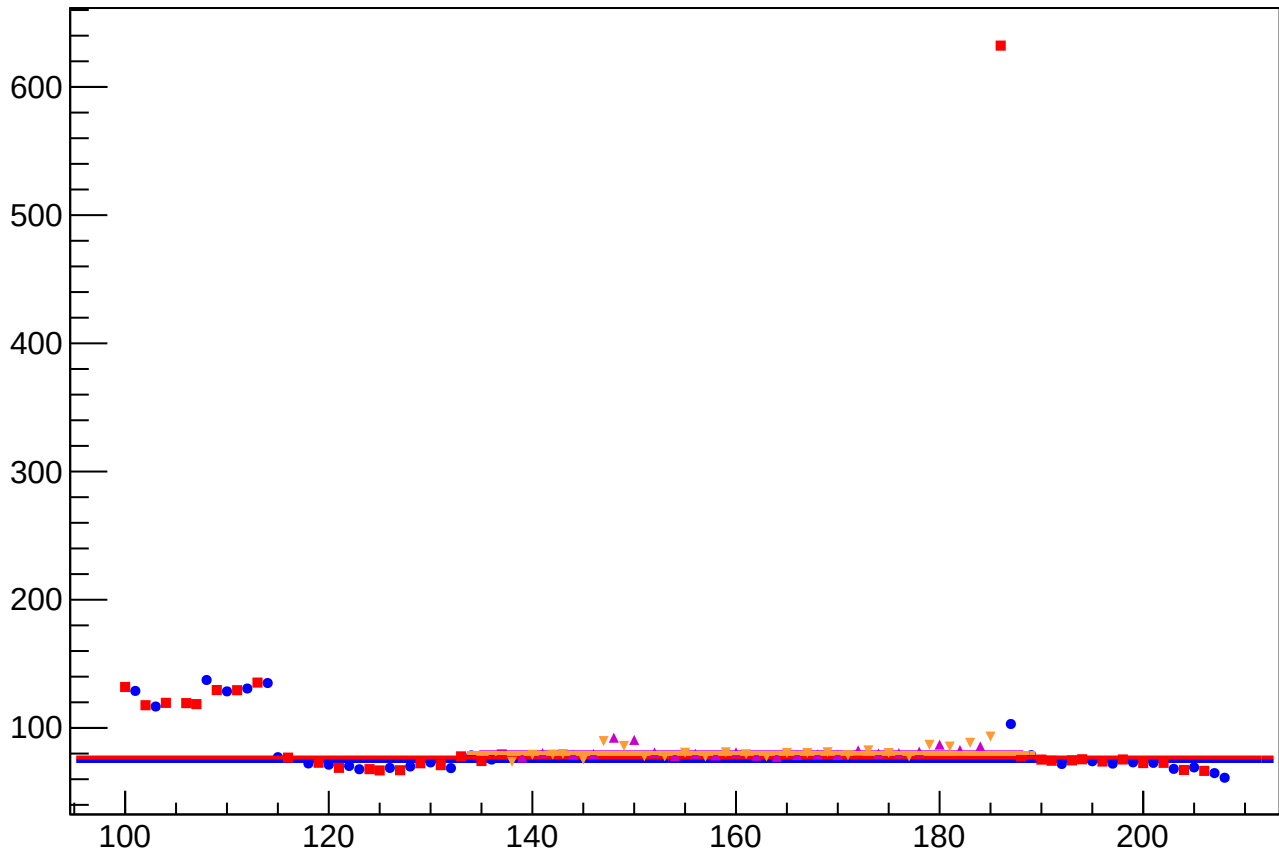
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -100.185 ± 13.657 χ^2/NDF : 85.8/52

All: -20.053 ± 9.794 χ^2/NDF : 237.8/106

- sign 64.788 ± 14.053 χ^2/NDF : 81.1/53

reg_asym_sam1_rms vs Slug



Right In: 74.239 $\pm$ 0.014 χ^2 /NDF: 1030861.6/27

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

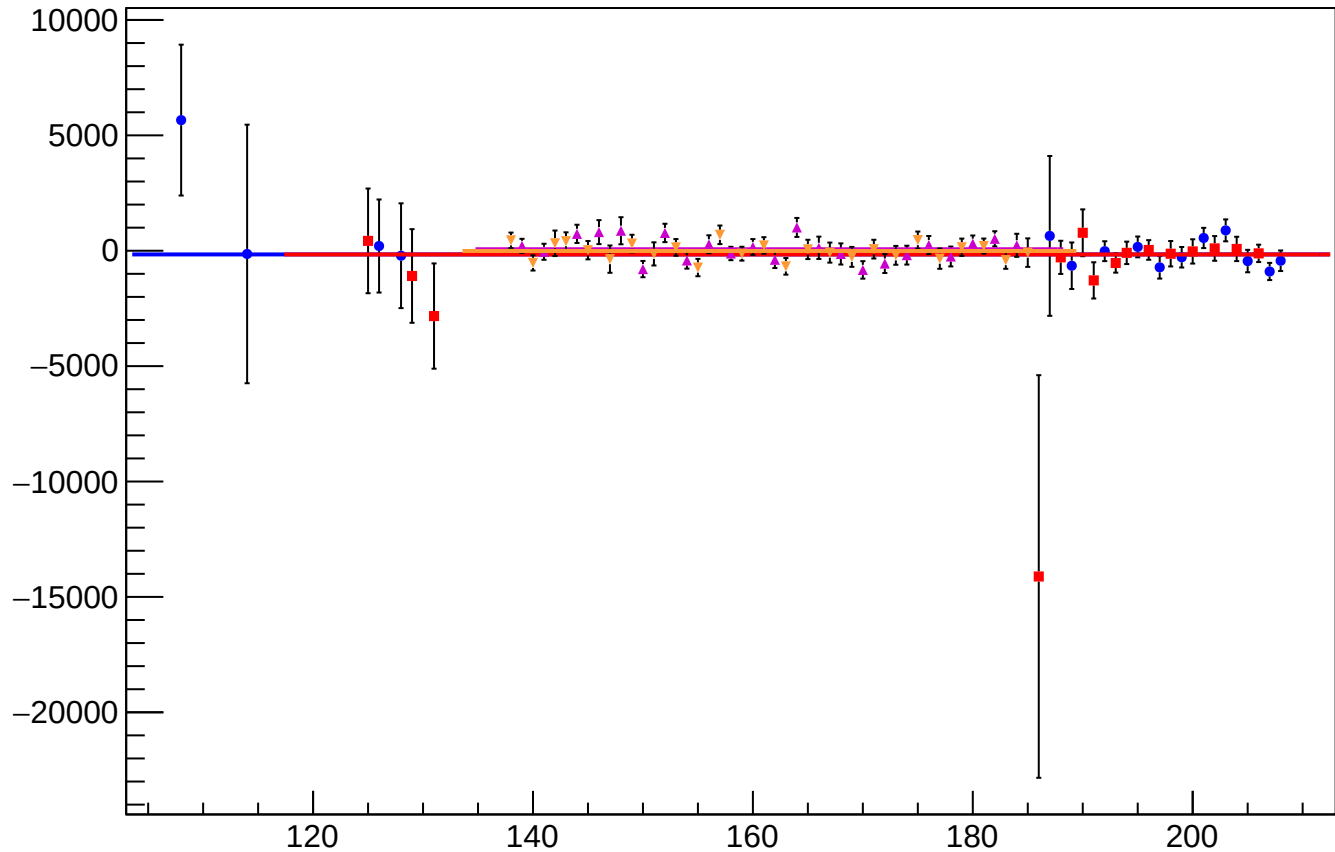
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 77.541 $\pm$ 0.010 χ^2 /NDF: 1224109.7/52

All: 78.284 $\pm$ 0.007 χ^2 /NDF: 2992768.1/106

- sign 79.070 $\pm$ 0.010 χ^2 /NDF: 1756476.2/53

asym_sam1_correction_mean vs Slug



Right In: -159.557 ± 145.329 χ^2/NDF : 17.6/14

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: -161.463 ± 154.855 χ^2/NDF : 8.7/14

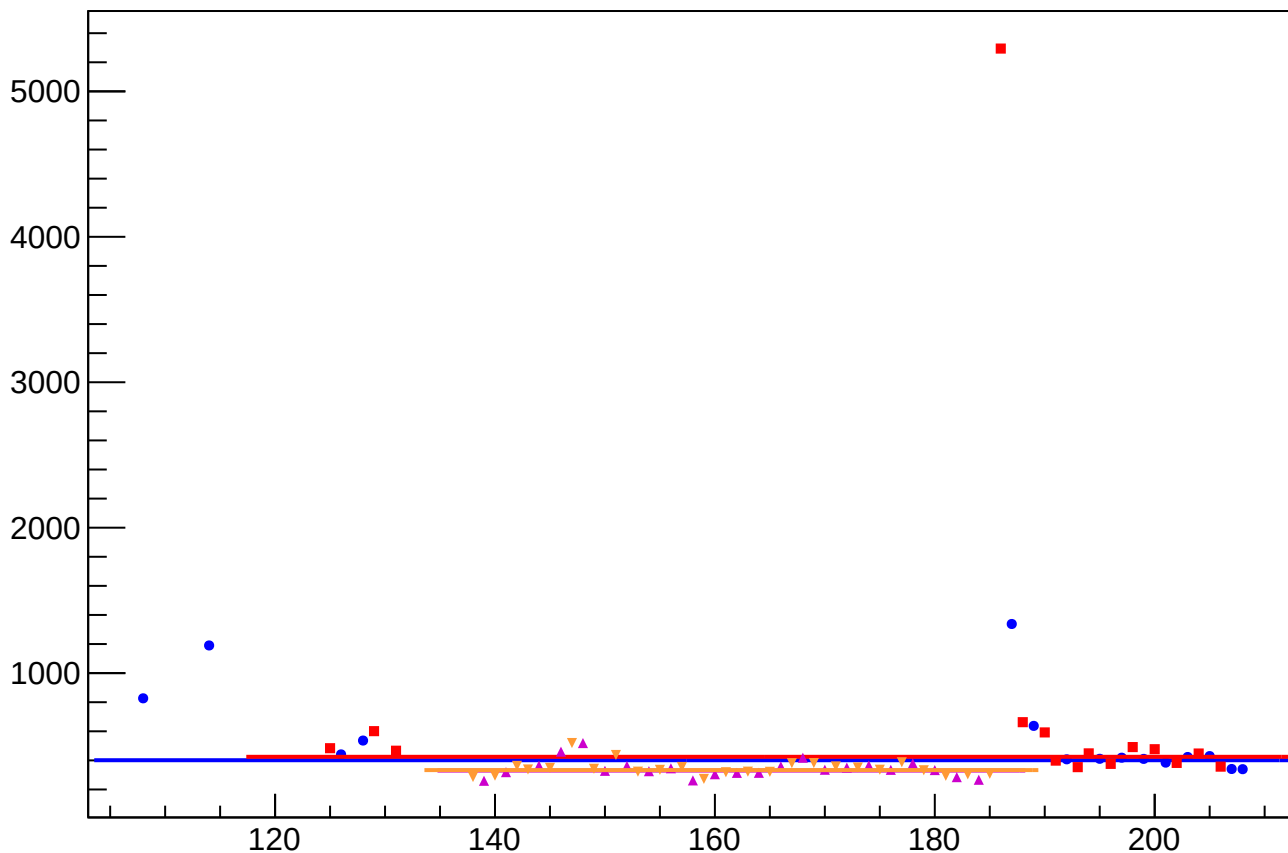
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -44.084 ± 68.994 χ^2/NDF : 41.0/39

All: -14.500 ± 49.517 χ^2/NDF : 89.1/77

- sign 16.926 ± 71.108 χ^2/NDF : 47.8/37

asym_sam1_correction_rms vs Slug



Right In: 401.142 $\pm$ 0.103 χ^2 /NDF: 446966.2/14

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

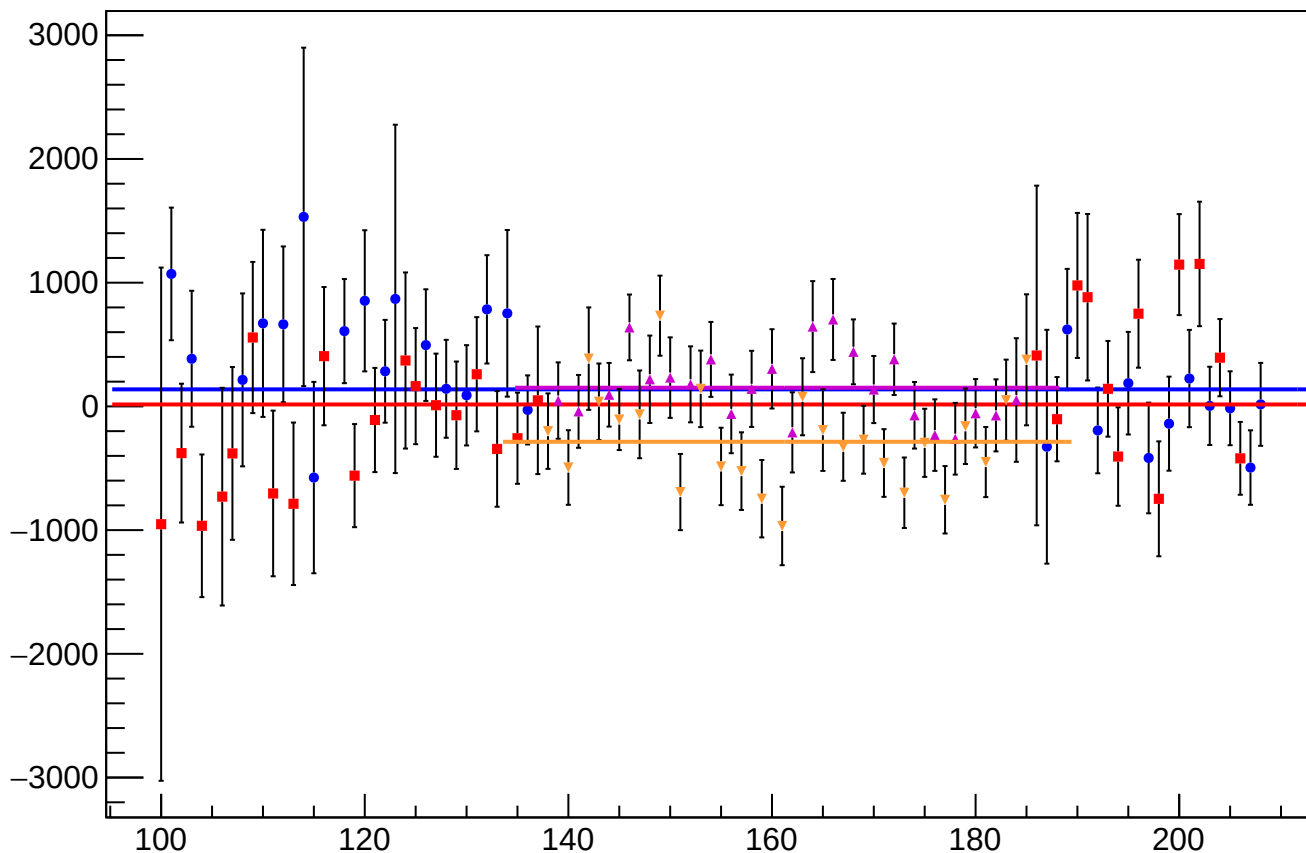
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 348.539 $\pm$ 0.049 χ^2 /NDF: 1377367.3/39

All: 349.219 $\pm$ 0.035 χ^2 /NDF: 3898239.8/77

- sign 349.942 $\pm$ 0.050 χ^2 /NDF: 2520471.3/37

reg_asym_sam2_mean vs Slug



Right In: 137.710 $\pm$ 82.495 χ^2 /NDF: 22.8/27

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: 15.679 $\pm$ 85.271 χ^2 /NDF: 40.1/30

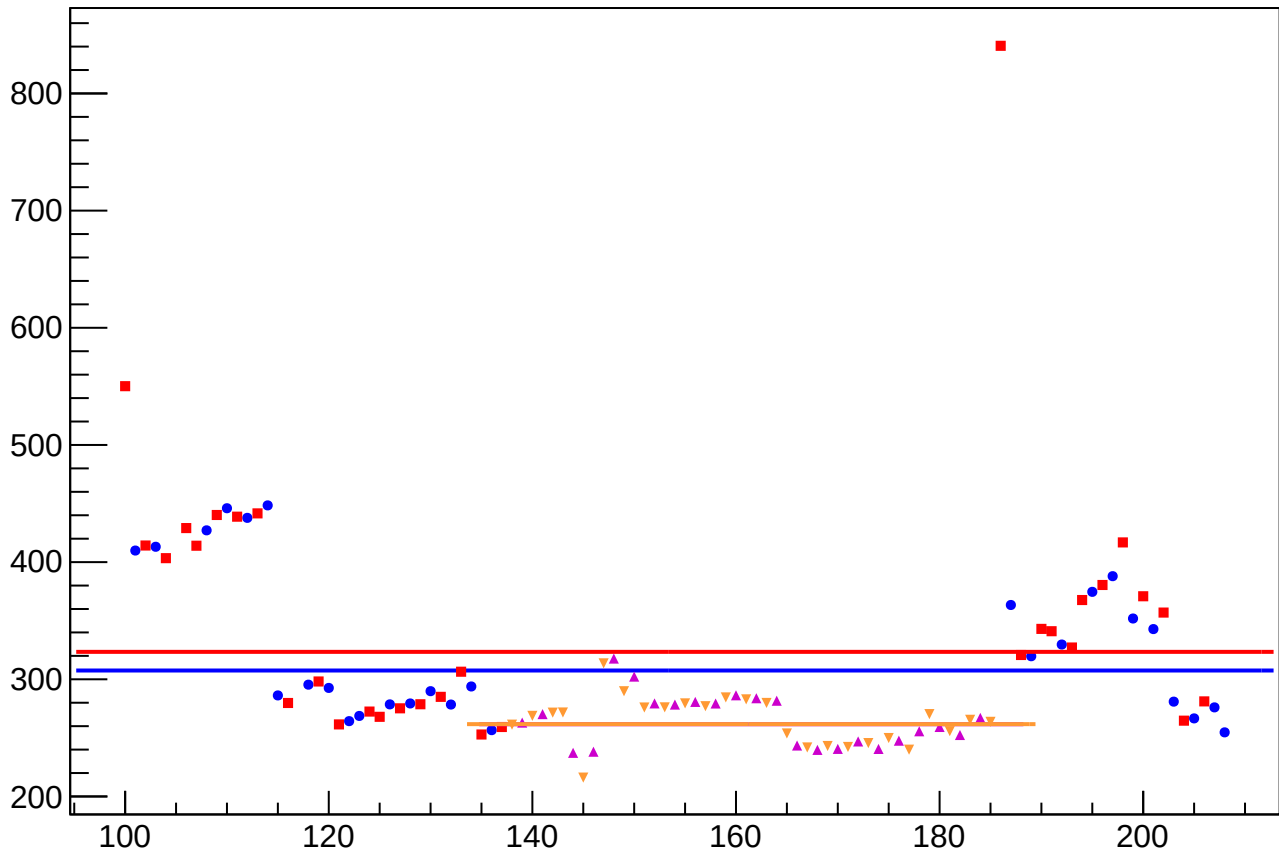
Left In: 150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

+ sign -135.941 $\pm$ 49.097 χ^2 /NDF: 76.4/52

All: -19.848 $\pm$ 35.228 χ^2 /NDF: 148.4/106

- sign 103.344 $\pm$ 50.576 χ^2 /NDF: 60.4/53

reg_asym_sam2_rms vs Slug



Right In: 307.502 $\pm$ 0.058 χ^2 /NDF: 805431.1/27

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

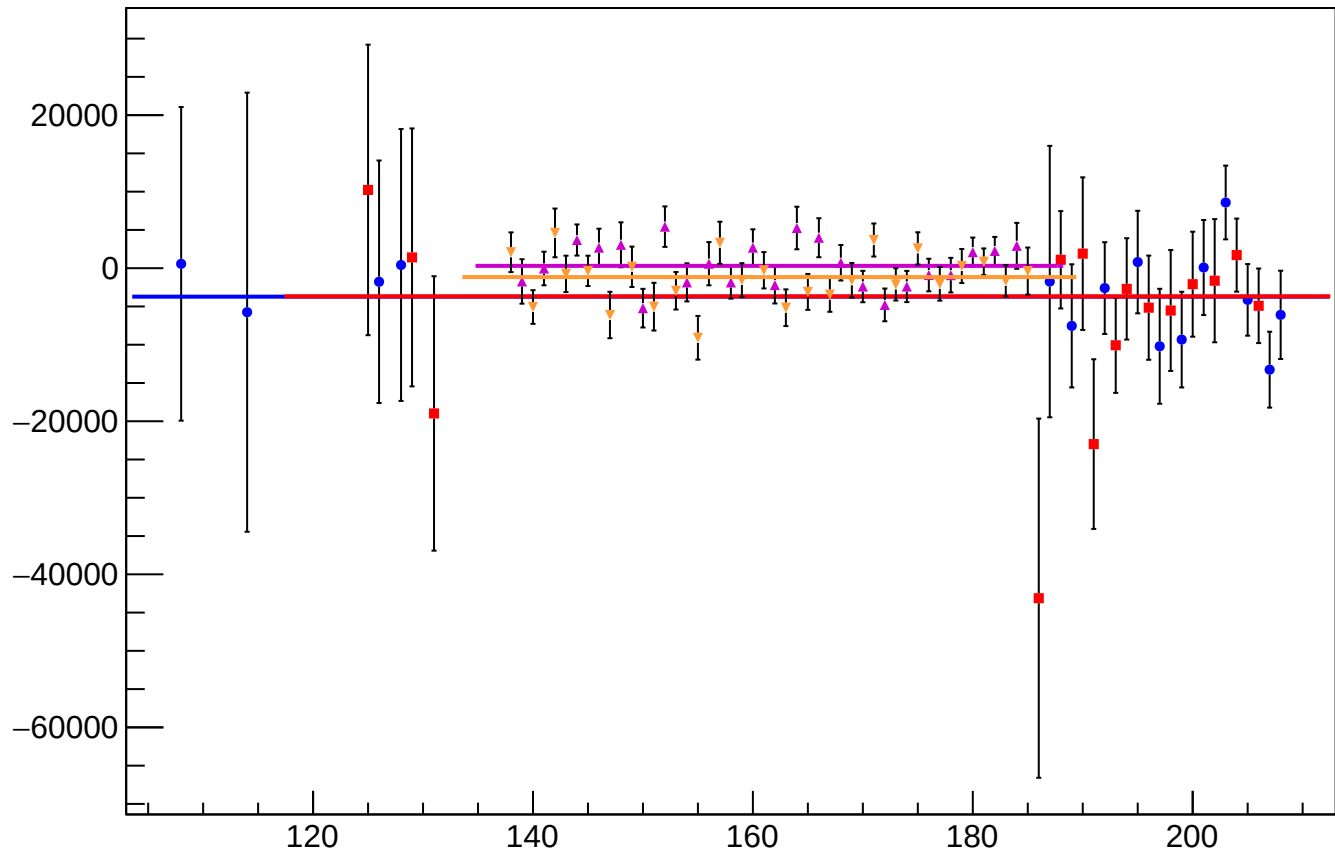
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 277.937 $\pm$ 0.035 χ^2 /NDF: 1436423.2/52

All: 280.574 $\pm$ 0.025 χ^2 /NDF: 3569035.1/106

- sign 283.372 $\pm$ 0.036 χ^2 /NDF: 2120720.0/53

asym_sam2_correction_mean vs Slug



Right In: -3720.173 ± 1801.162 $\chi^2/\text{NDF}: 13.2/14$

Left Out: -1161.443 ± 469.036 $\chi^2/\text{NDF}: 38.8/24$

Right Out: -3680.224 ± 1949.484 $\chi^2/\text{NDF}: 10.7/14$

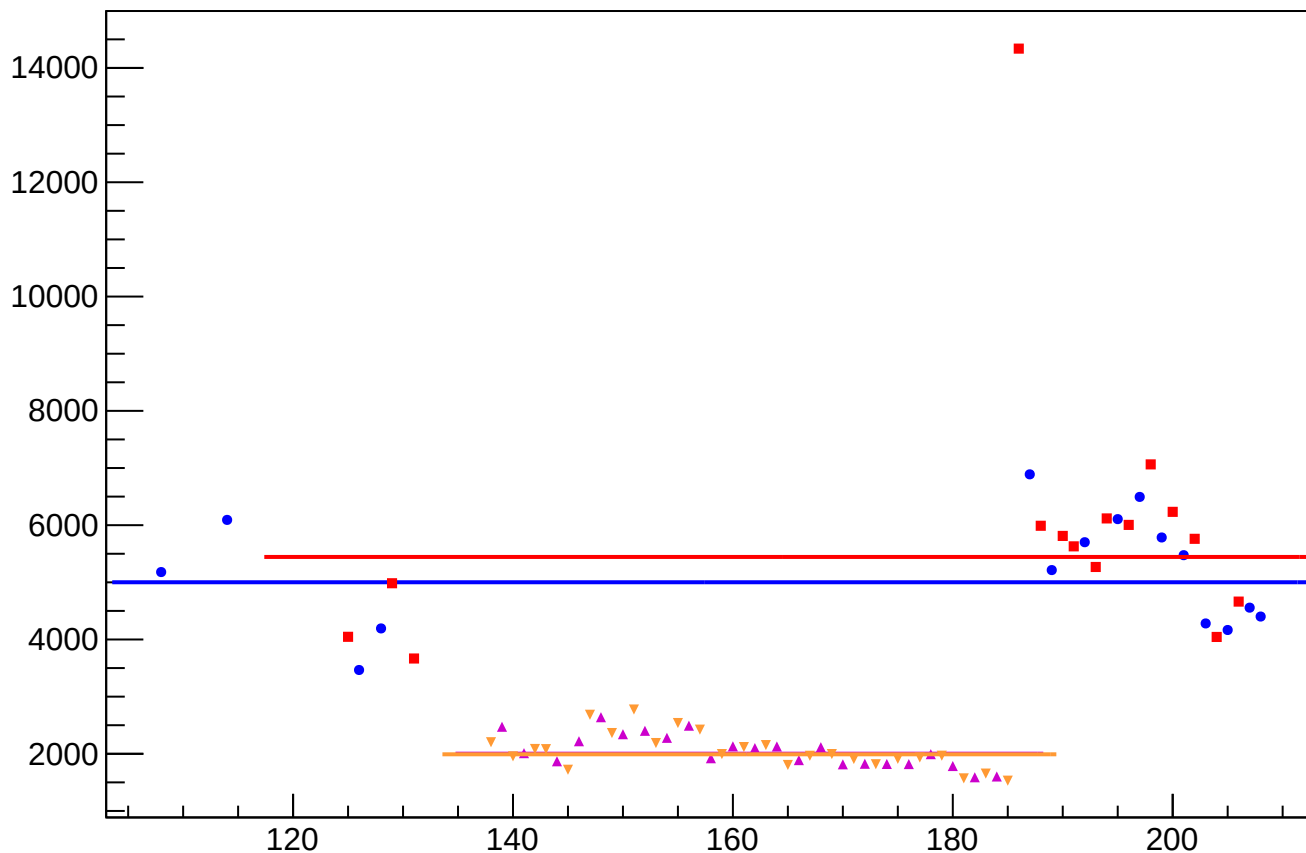
Left In: 304.366 ± 483.778 $\chi^2/\text{NDF}: 35.4/22$

+ sign -1323.936 ± 453.899 $\chi^2/\text{NDF}: 53.8/39$

All: -649.011 ± 326.343 $\chi^2/\text{NDF}: 108.4/77$

- sign 73.221 ± 469.537 $\chi^2/\text{NDF}: 50.0/37$

asym_sam2_correction_rms vs Slug



Right In: 5001.279+/-1.274 χ^2/NDF : 400058.5/14

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5444.216+/-1.378 χ^2/NDF : 710213.7/14

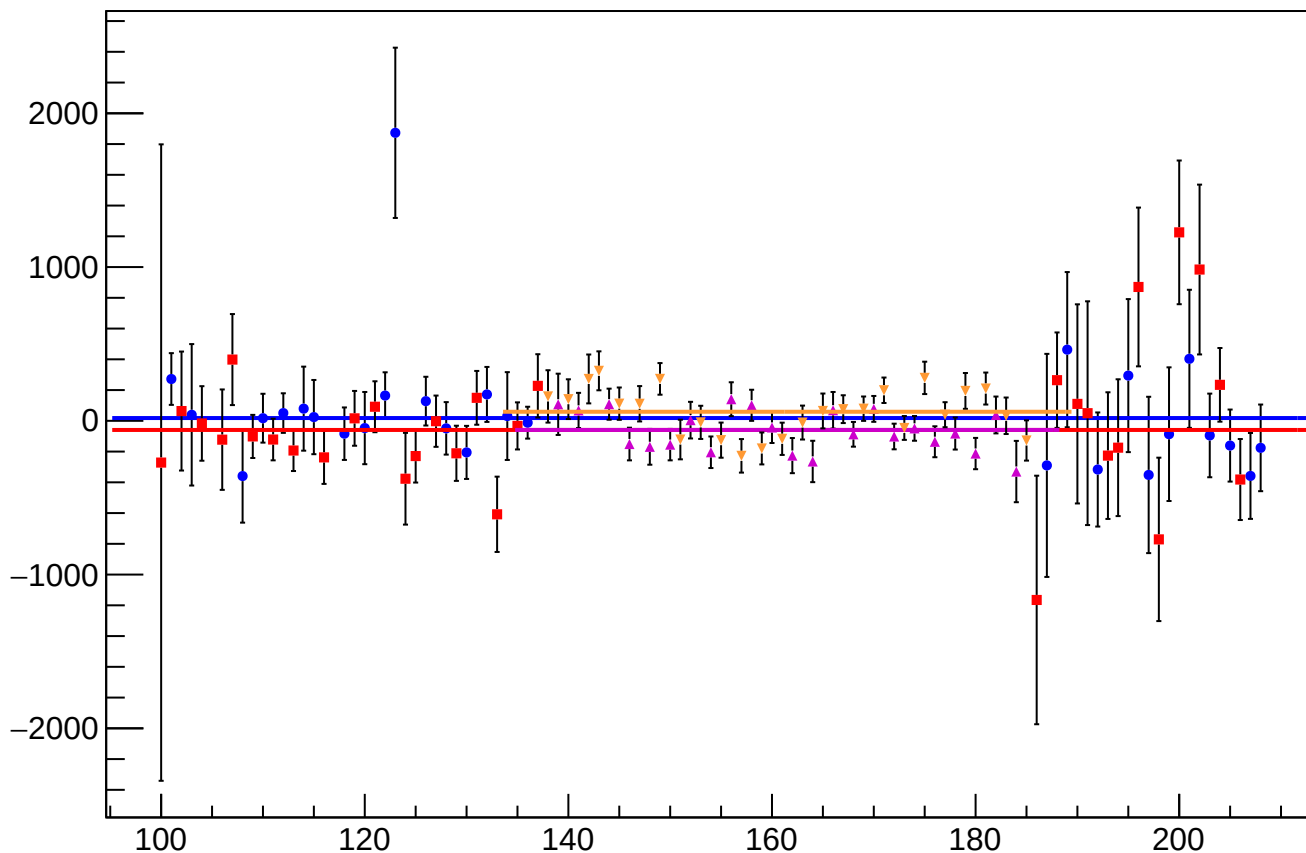
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2182.268+/-0.321 χ^2/NDF : 6357707.6/39

All: 2191.716+/-0.231 χ^2/NDF : 13528862.6/7

- sign 2201.827+/-0.332 χ^2/NDF : 7169361.1/37

reg_asym_sam3_mean vs Slug



Right In: 18.044 ± 40.368 χ^2/NDF : 26.1/27

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -59.416 ± 40.500 χ^2/NDF : 39.8/30

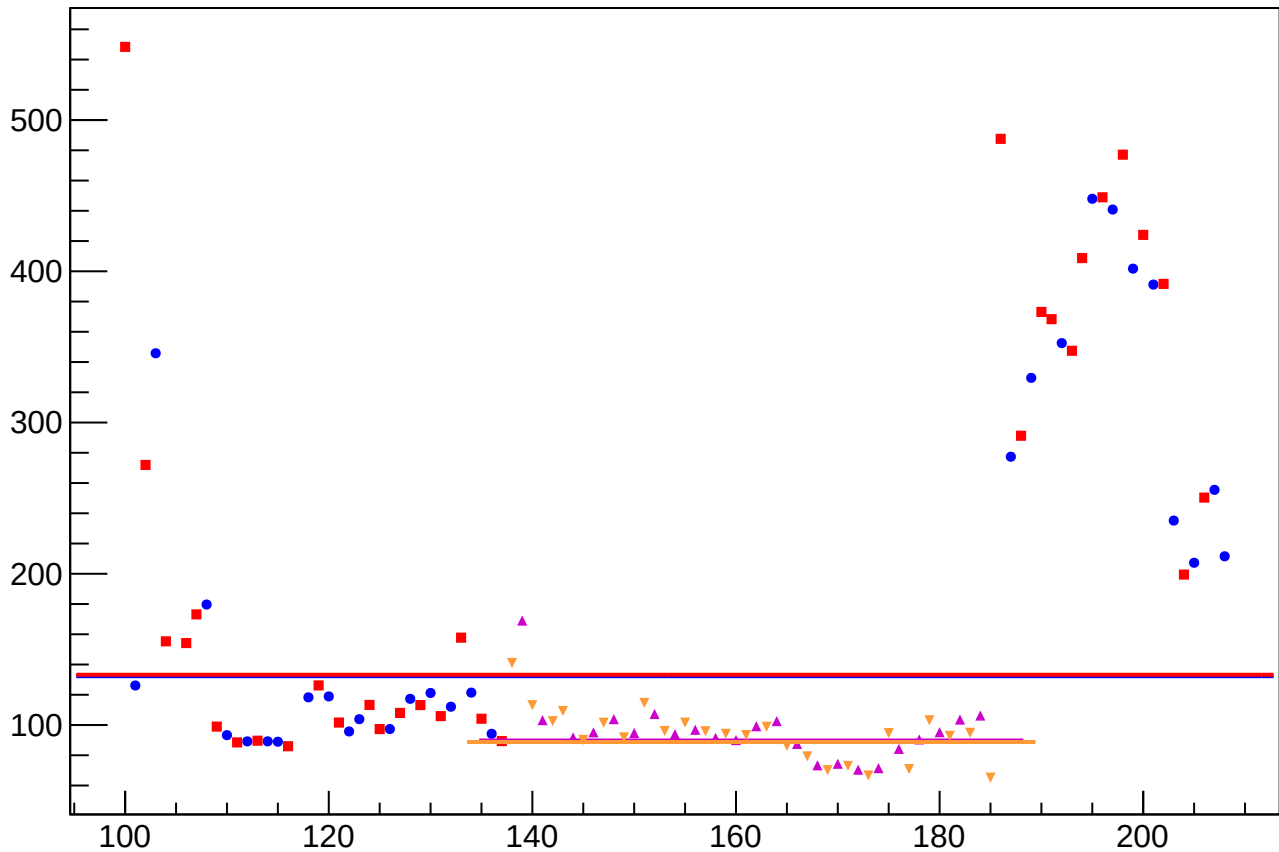
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 50.174 ± 18.726 χ^2/NDF : 73.8/52

All: -2.959 ± 13.432 χ^2/NDF : 159.6/106

- sign -59.276 ± 19.278 χ^2/NDF : 69.1/53

reg_asym_sam3_rms vs Slug



Right In: 132.290 $\pm$ 0.029 χ^2 /NDF: 6606499.4/27

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

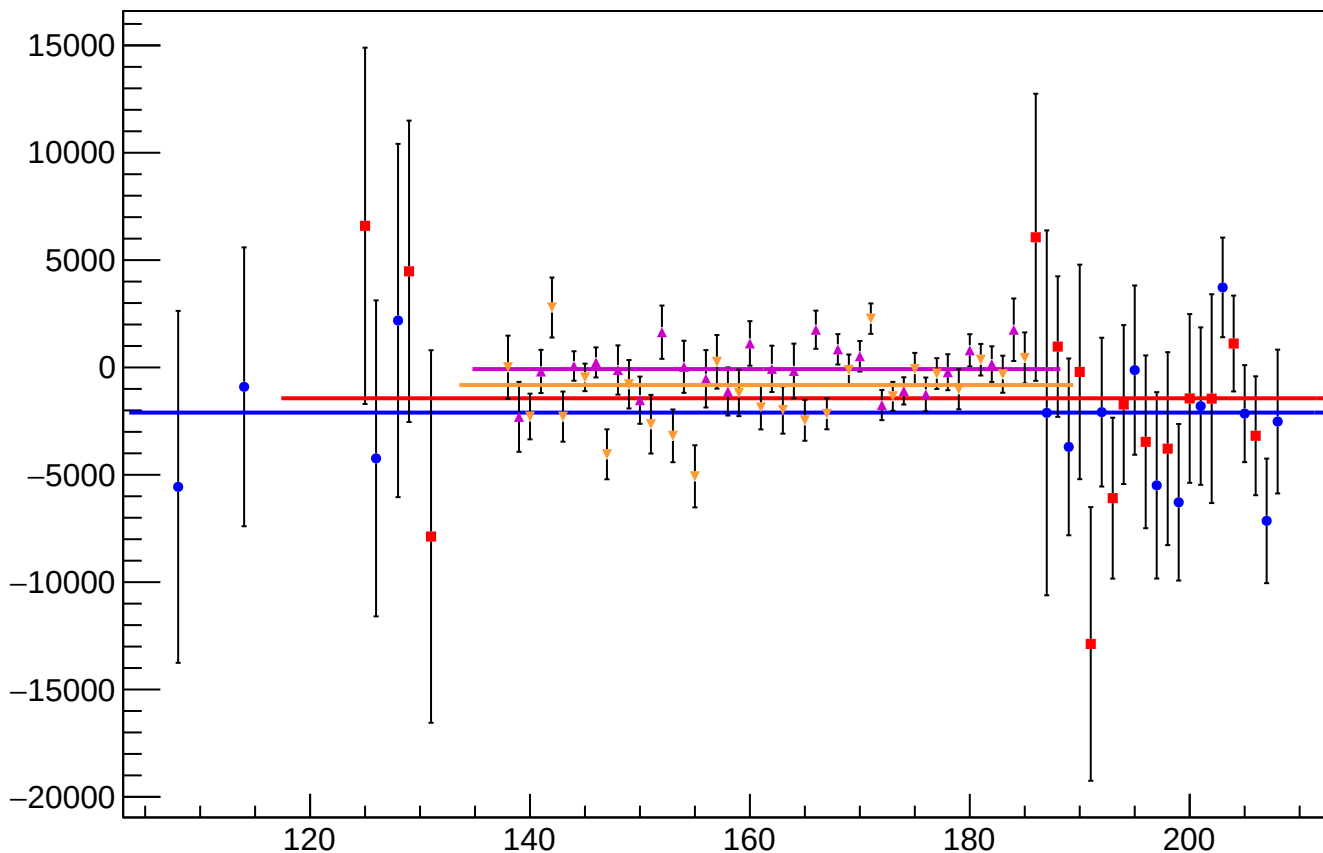
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF: 885818.0/22

+ sign 98.118 $\pm$ 0.013 χ^2 /NDF: 9512063.8/52

All: 98.845 $\pm$ 0.009 χ^2 /NDF: 19802566.5/106

- sign 99.616 $\pm$ 0.014 χ^2 /NDF: 10284286.0/53

asym_sam3_correction_mean vs Slug



Right In: -2101.853 ± 960.238 $\chi^2/\text{NDF}: 12.2/14$

Left Out: -818.877 ± 184.464 $\chi^2/\text{NDF}: 68.2/24$

Right Out: -1435.441 ± 1041.344 $\chi^2/\text{NDF}: 11.1/14$

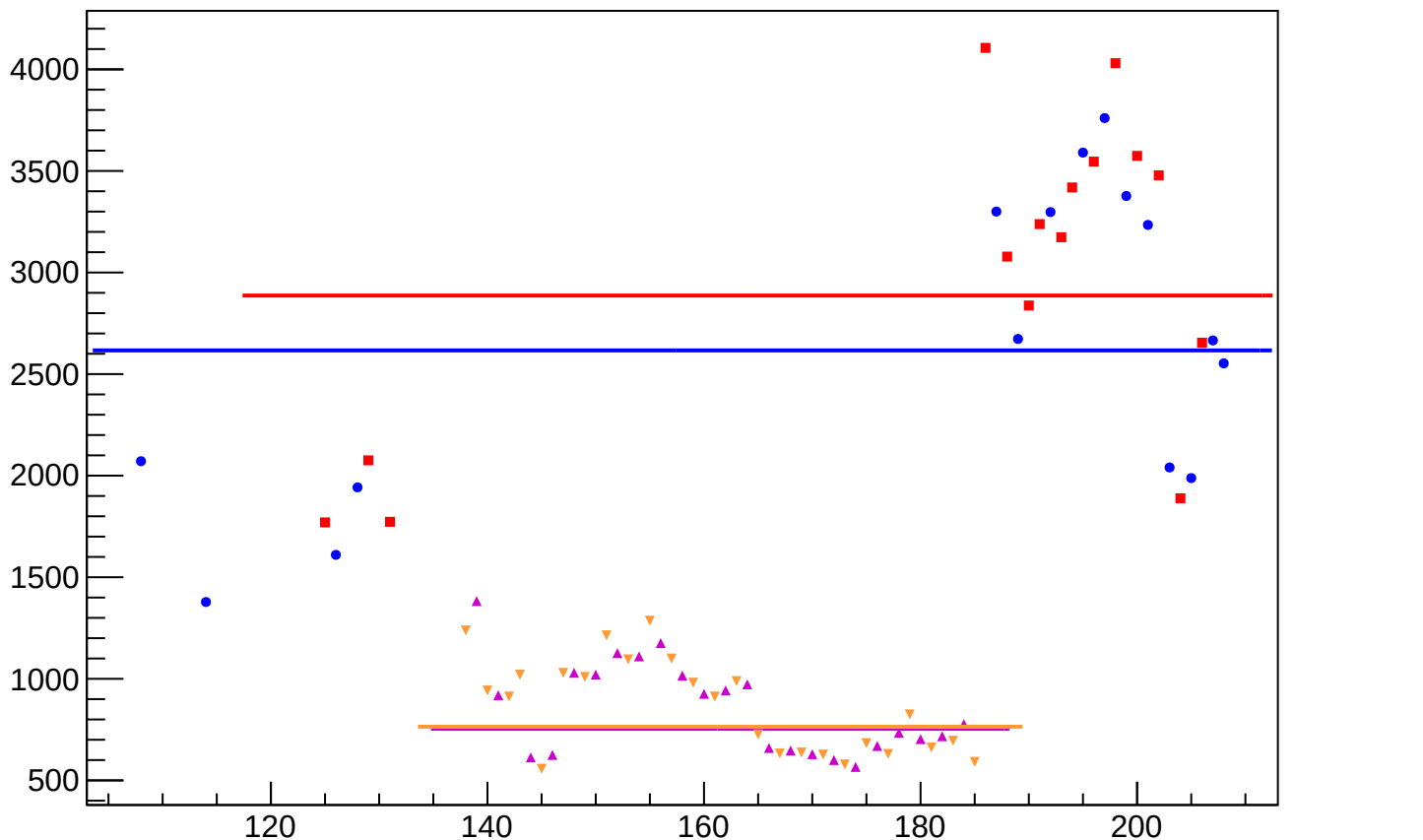
Left In: -76.204 ± 186.651 $\chi^2/\text{NDF}: 28.3/22$

+ sign -864.538 ± 181.152 $\chi^2/\text{NDF}: 82.2/39$

All: -496.782 ± 128.993 $\chi^2/\text{NDF}: 131.5/77$

- sign -118.513 ± 183.723 $\chi^2/\text{NDF}: 41.0/37$

asym_sam3_correction_rms vs Slug



Right In: 2616.627 $\pm$ 0.679 χ^2 /NDF: 906862.8/14

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

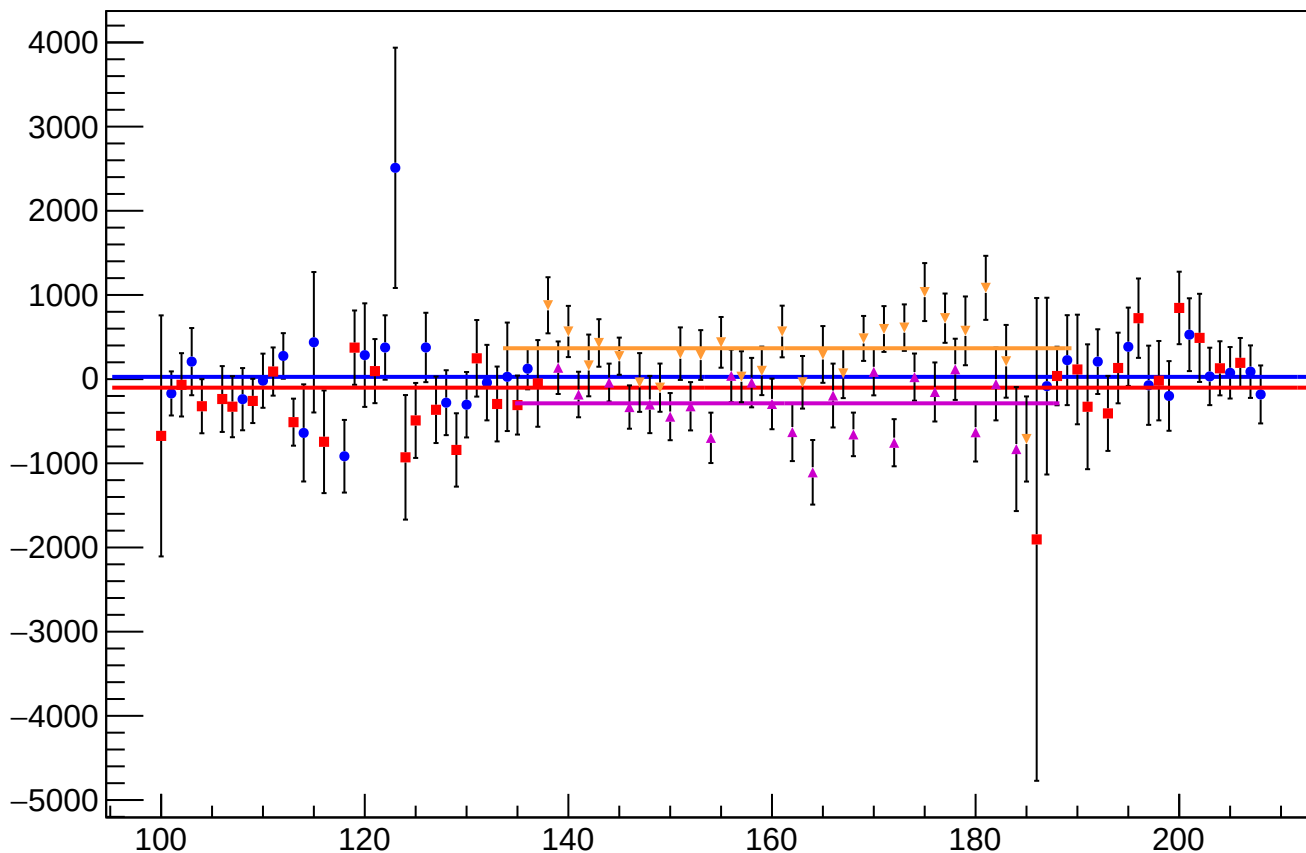
Left In: 754.027 $\pm$ 0.132 χ^2 /NDF: 2013386.7/22

+ sign 830.204 $\pm$ 0.128 χ^2 /NDF: 10400446.1/39

All: 825.375 $\pm$ 0.091 χ^2 /NDF: 21460380.4/77

- sign 820.408 $\pm$ 0.130 χ^2 /NDF: 11057051.2/37

reg_asym_sam4_mean vs Slug



Right In: 26.904 ± 73.728 $\chi^2/\text{NDF}: 17.9/27$

Left Out: 367.028 ± 61.943 $\chi^2/\text{NDF}: 28.2/24$

Right Out: -101.230 ± 72.856 $\chi^2/\text{NDF}: 25.4/30$

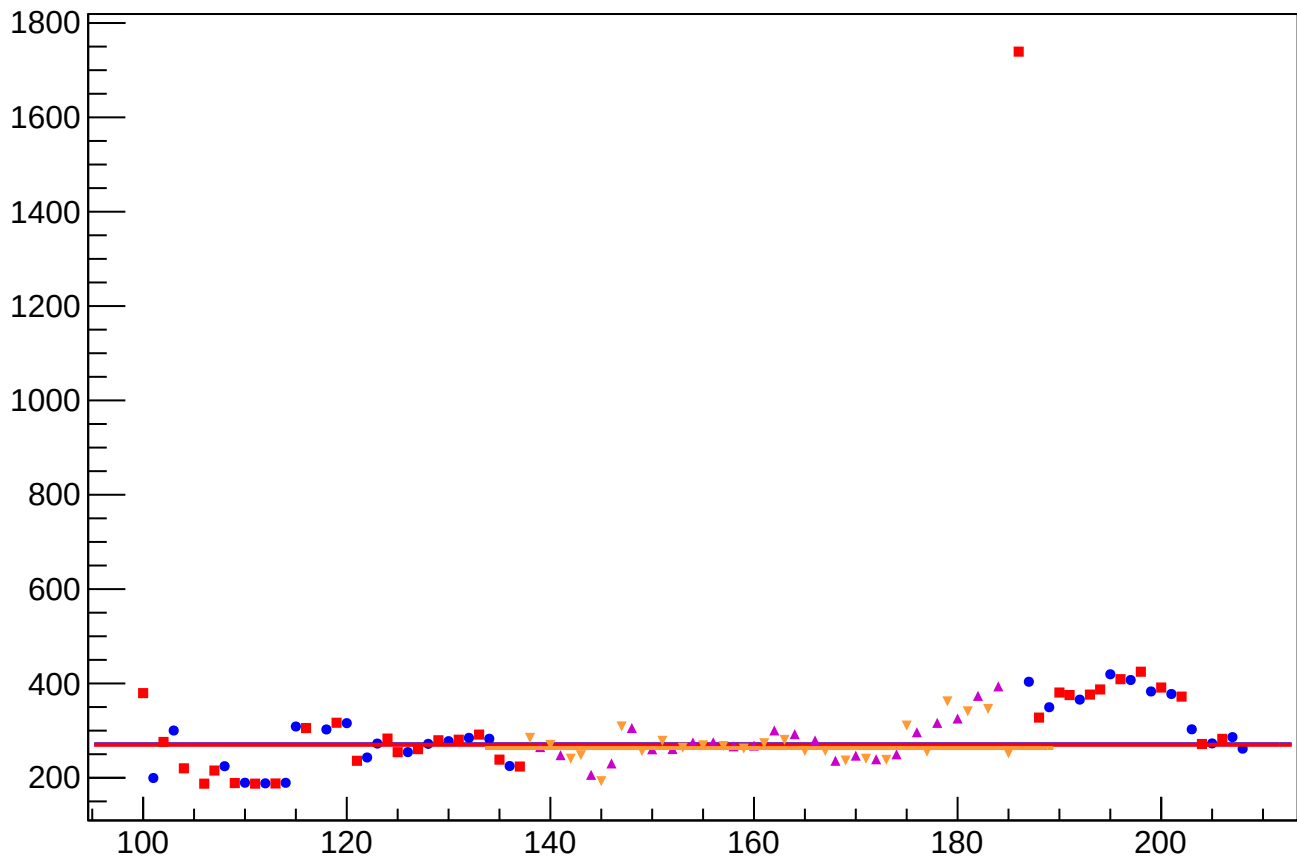
Left In: -287.246 ± 64.141 $\chi^2/\text{NDF}: 23.9/22$

+ sign 226.289 ± 47.427 $\chi^2/\text{NDF}: 58.6/52$

All: 13.369 ± 33.786 $\chi^2/\text{NDF}: 152.4/106$

- sign -206.024 ± 48.142 $\chi^2/\text{NDF}: 52.9/53$

reg_asym_sam4_rms vs Slug



Right In: 271.076 $\pm$ 0.052 χ^2 /NDF: 1518807.9/27

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 270.072 $\pm$ 0.052 χ^2 /NDF: 2388440.7/30

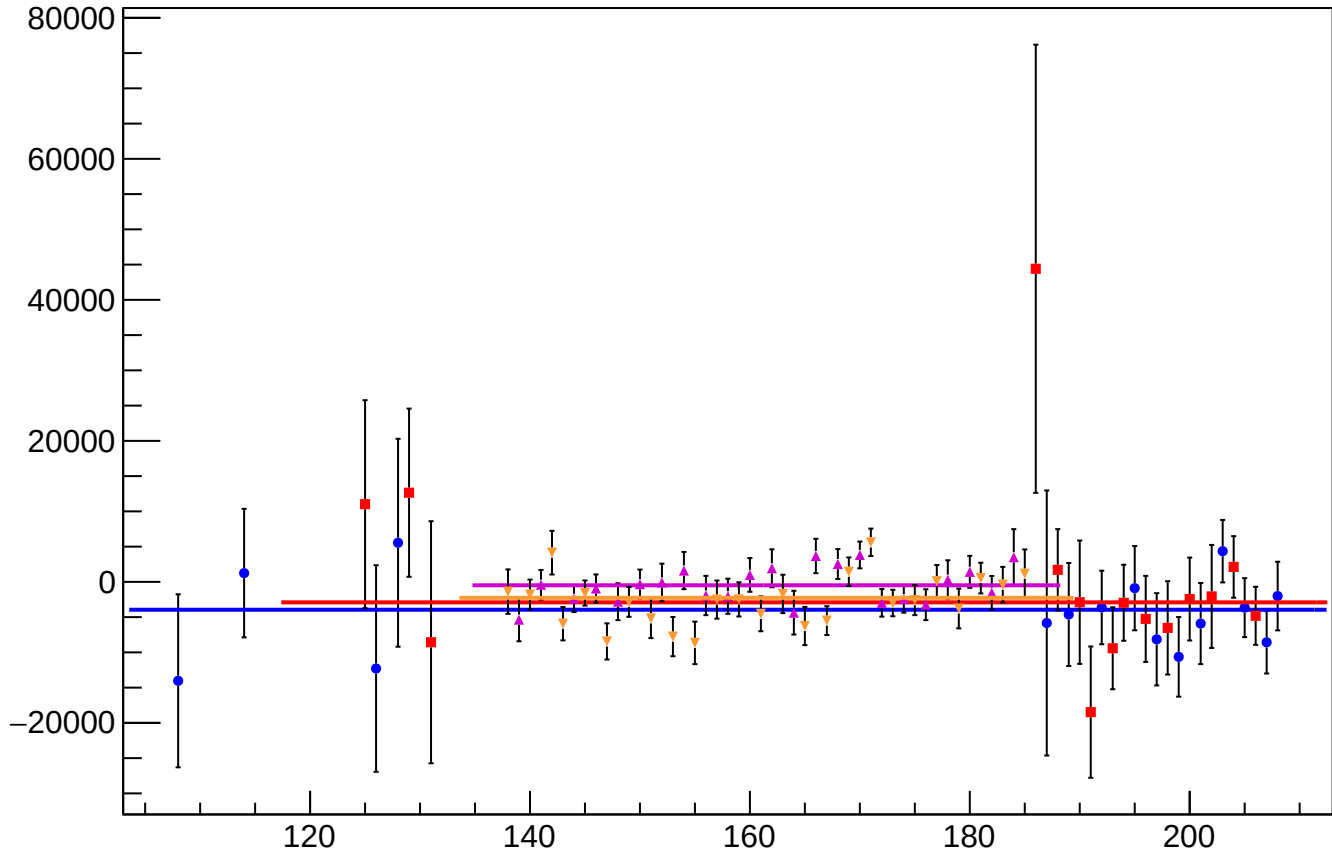
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 266.402 $\pm$ 0.034 χ^2 /NDF: 2174743.6/52

All: 266.781 $\pm$ 0.024 χ^2 /NDF: 5178095.0/106

- sign 267.171 $\pm$ 0.034 χ^2 /NDF: 3003092.2/53

asym_sam4_correction_mean vs Slug



Right In: -3951.936 ± 1580.025 χ^2/NDF : 8.7/14

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -2902.867 ± 1706.389 χ^2/NDF : 11.6/14

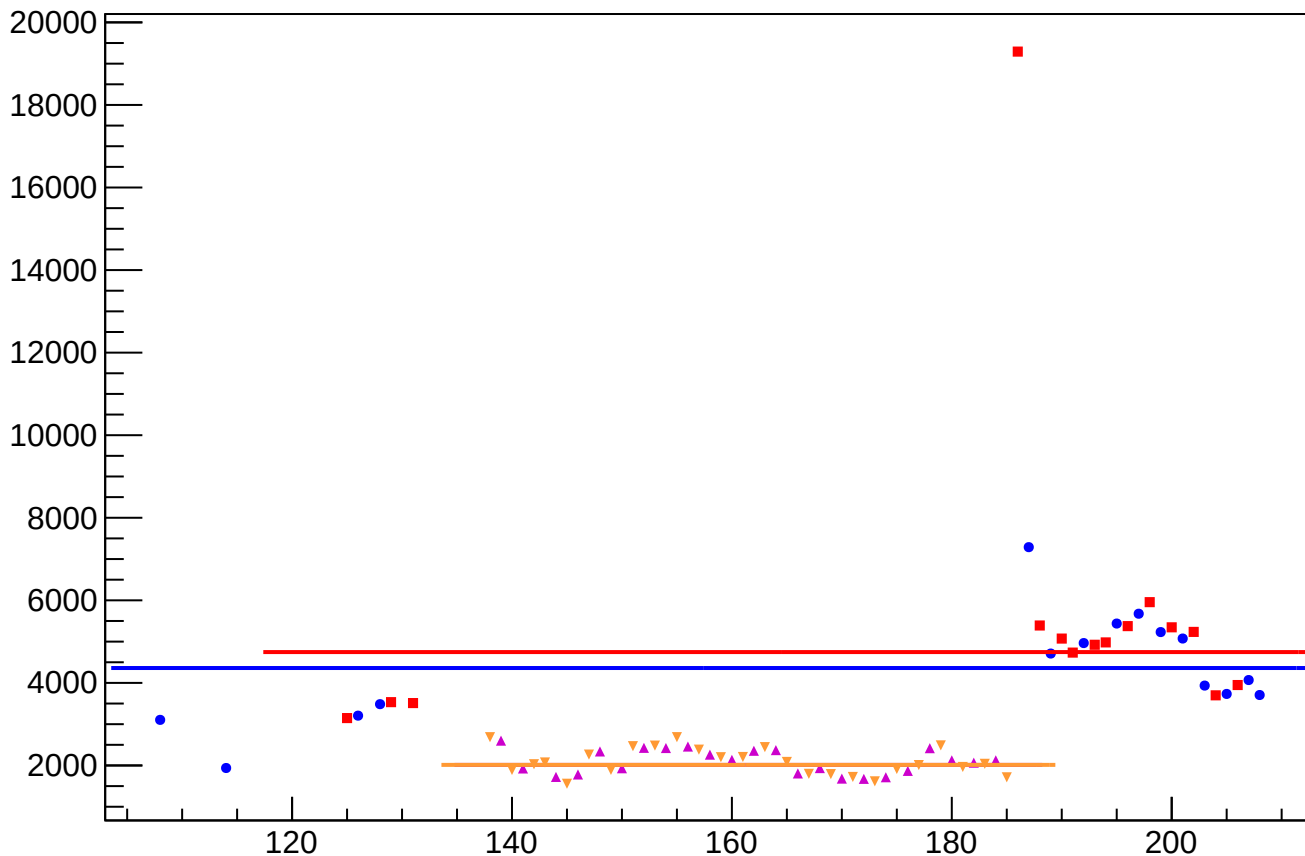
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2400.600 ± 455.183 χ^2/NDF : 62.1/39

All: -1559.658 ± 326.542 χ^2/NDF : 107.4/77

- sign -667.974 ± 468.715 χ^2/NDF : 38.2/37

asym_sam4_correction_rms vs Slug



Right In: 4360.447 $\pm$ 1.117 χ^2 /NDF: 593878.8/14

Left Out: 2014.106 $\pm$ 0.336 χ^2 /NDF: 835656.9/24

Right Out: 4746.666 $\pm$ 1.207 χ^2 /NDF: 814805.0/14

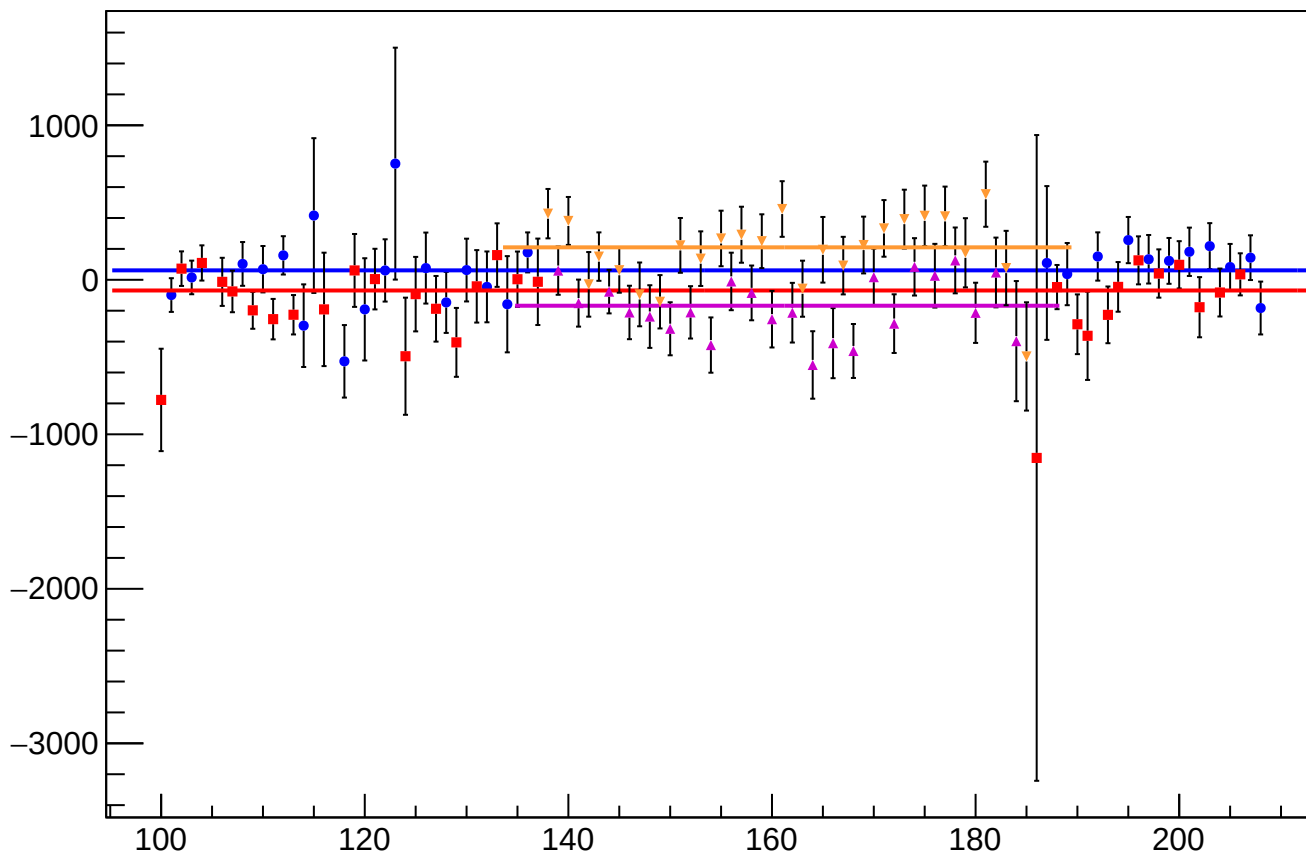
Left In: 2013.245 $\pm$ 0.345 χ^2 /NDF: 662077.8/22

+ sign 2208.837 $\pm$ 0.322 χ^2 /NDF: 5473960.8/39

All: 2214.004 $\pm$ 0.231 χ^2 /NDF: 11696162.4/7

- sign 2219.483 $\pm$ 0.331 χ^2 /NDF: 6221670.6/37

reg_asym_sam5_mean vs Slug



Right In: 61.073 $\pm$ 32.101 χ^2 /NDF: 22.2/27

Left Out: 210.086 $\pm$ 37.093 χ^2 /NDF: 27.5/24

Right Out: -69.157 $\pm$ 30.719 χ^2 /NDF: 26.8/30

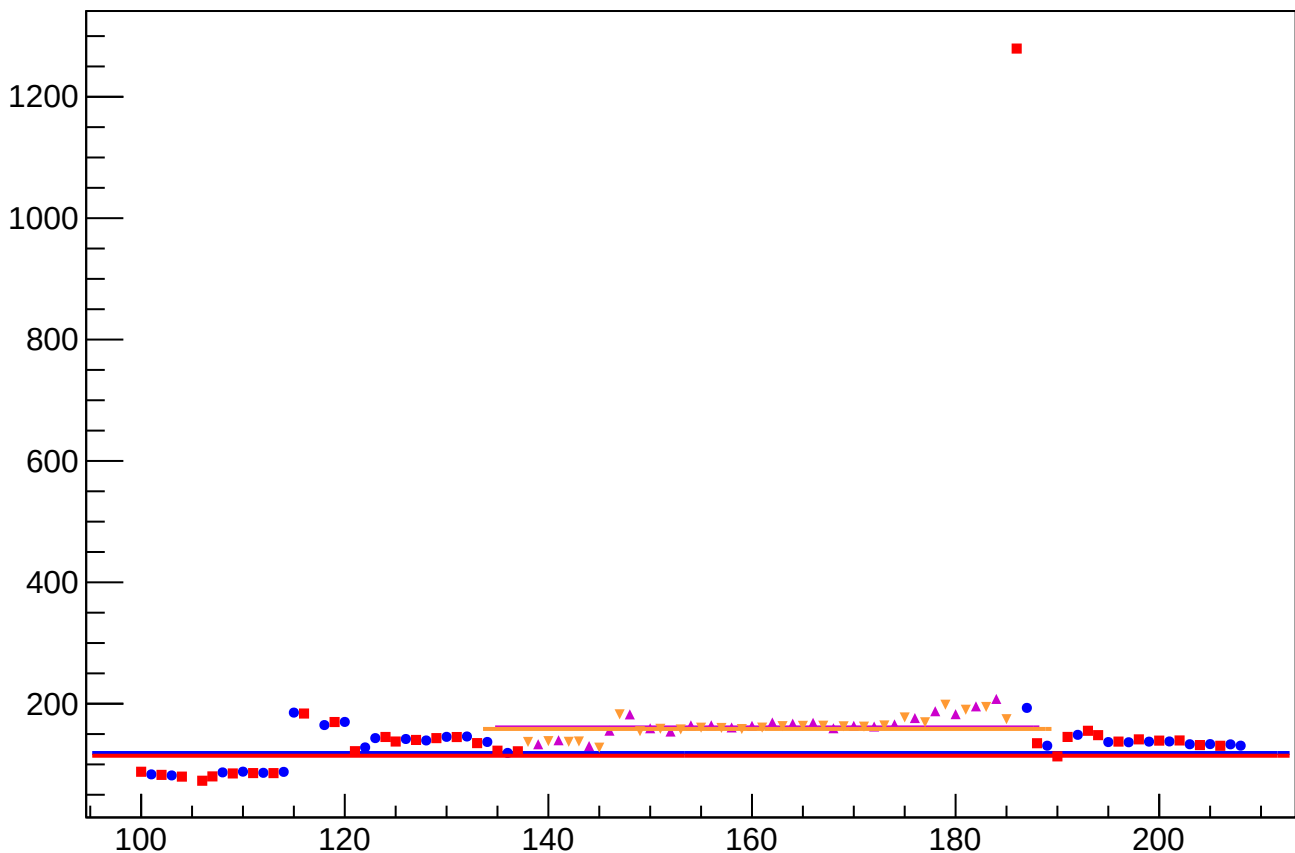
Left In: -167.822 $\pm$ 38.718 χ^2 /NDF: 21.1/22

+ sign 124.885 $\pm$ 24.274 χ^2 /NDF: 59.0/52

All: 7.802 $\pm$ 17.090 χ^2 /NDF: 157.0/106

- sign -107.272 $\pm$ 24.064 χ^2 /NDF: 51.9/53

reg_asym_sam5_rms vs Slug



Right In: 118.750 $\pm$ 0.023 χ^2 /NDF: 1376935.5/27

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

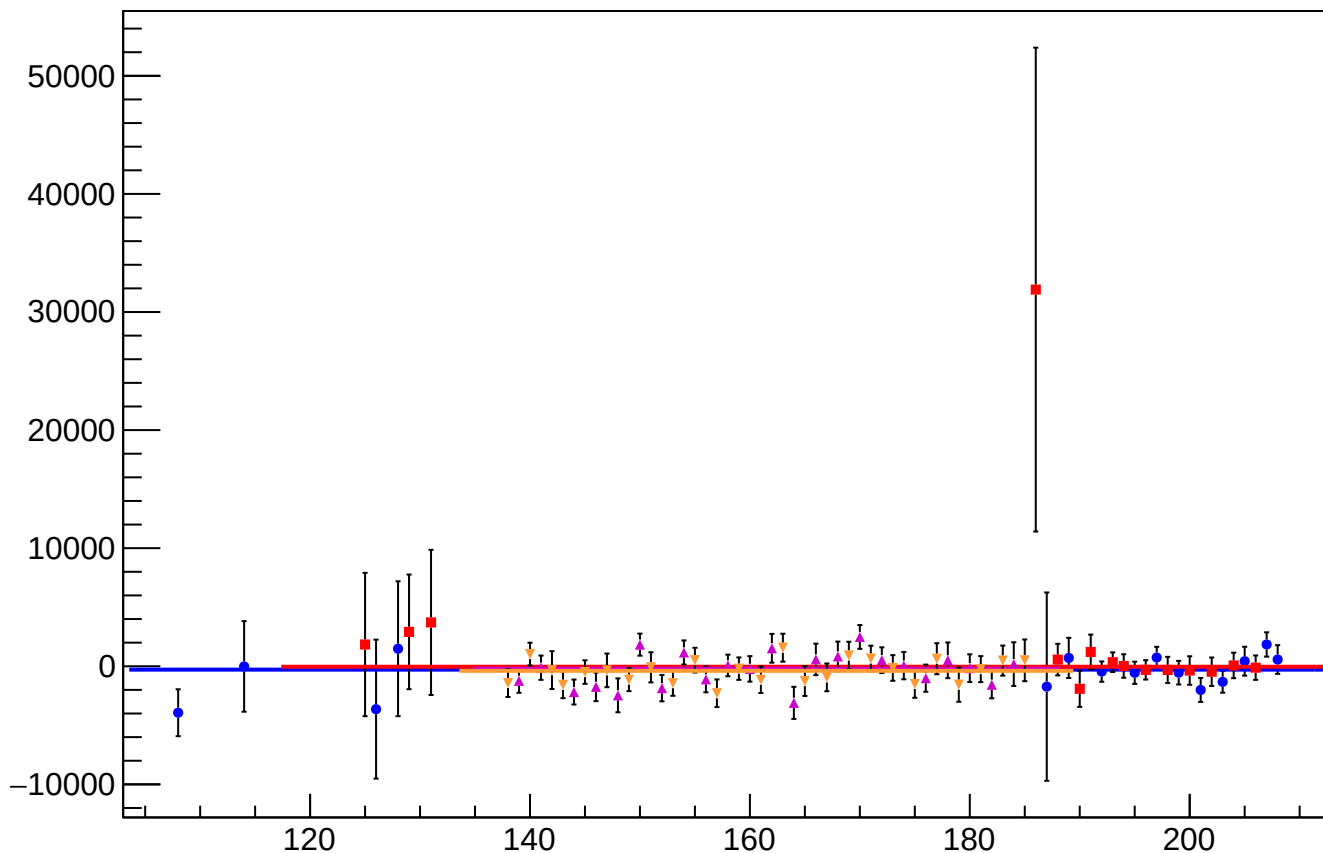
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.747 $\pm$ 0.017 χ^2 /NDF: 3120470.5/52

All: 134.014 $\pm$ 0.012 χ^2 /NDF: 7705467.6/106

- sign 132.310 $\pm$ 0.017 χ^2 /NDF: 4564780.8/53

asym_sam5_correction_mean vs Slug



Right In: -284.569+/-318.503 χ^2 /NDF: 14.8/14

Left Out: -385.018+/-231.833 χ^2 /NDF:18.1/24

Right Out: -40.192+/-324.866 χ^2 /NDF: 6.3/14

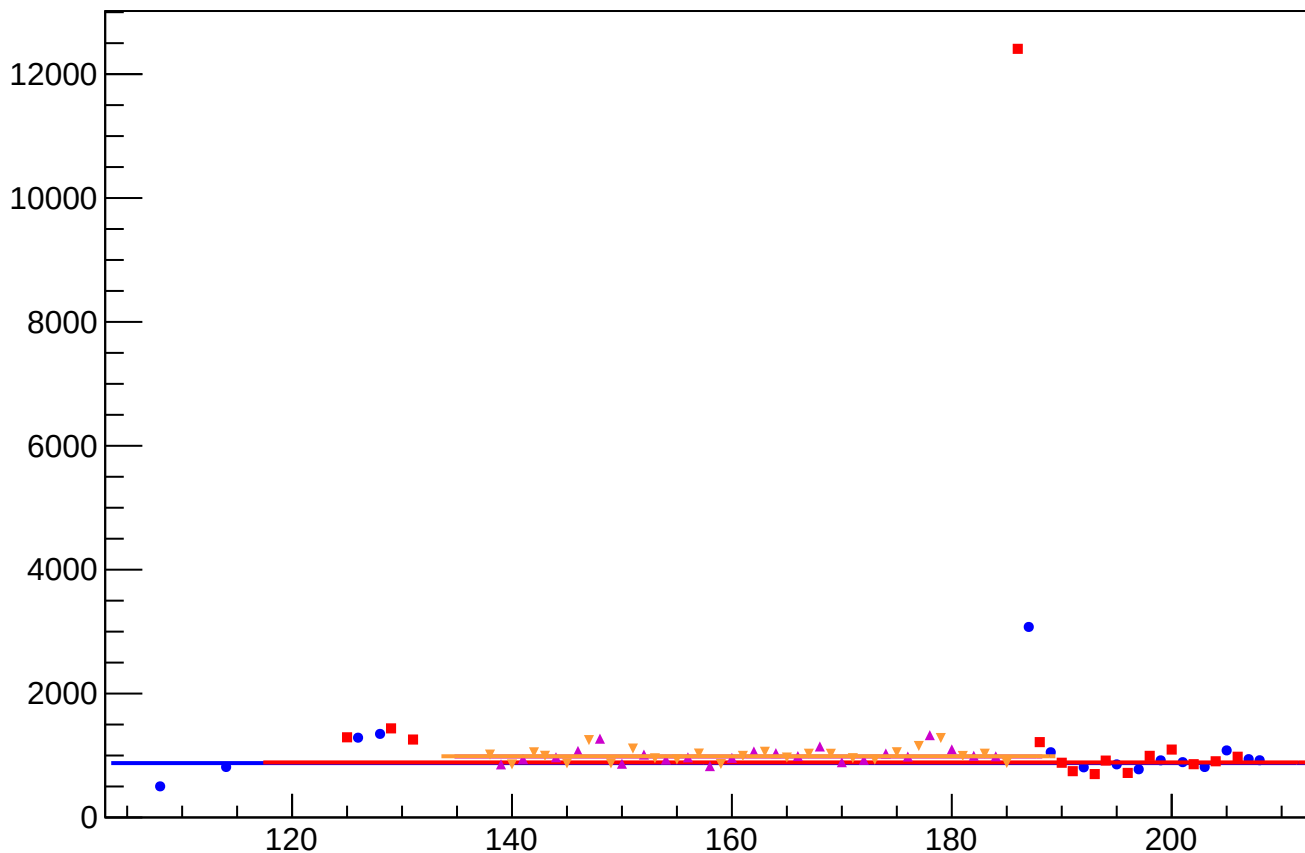
Left In: -202.234+/-237.460 χ^2 /NDF:35.5/22

+ sign -350.230+/-187.437 χ^2 /NDF: 33.0/39

All: -250.320+/-134.022 χ^2 /NDF: 75.4/77

- sign -145.806+/-191.707 χ^2 /NDF: 41.9/37

asym_sam5_correction_rms vs Slug



Right In: 877.456+/-0.225 χ^2/NDF : 386857.0/14

Left Out: 987.869+/-0.164 χ^2/NDF : 376958.5/24

Right Out: 888.637+/-0.230 χ^2/NDF : 1097508.9/14

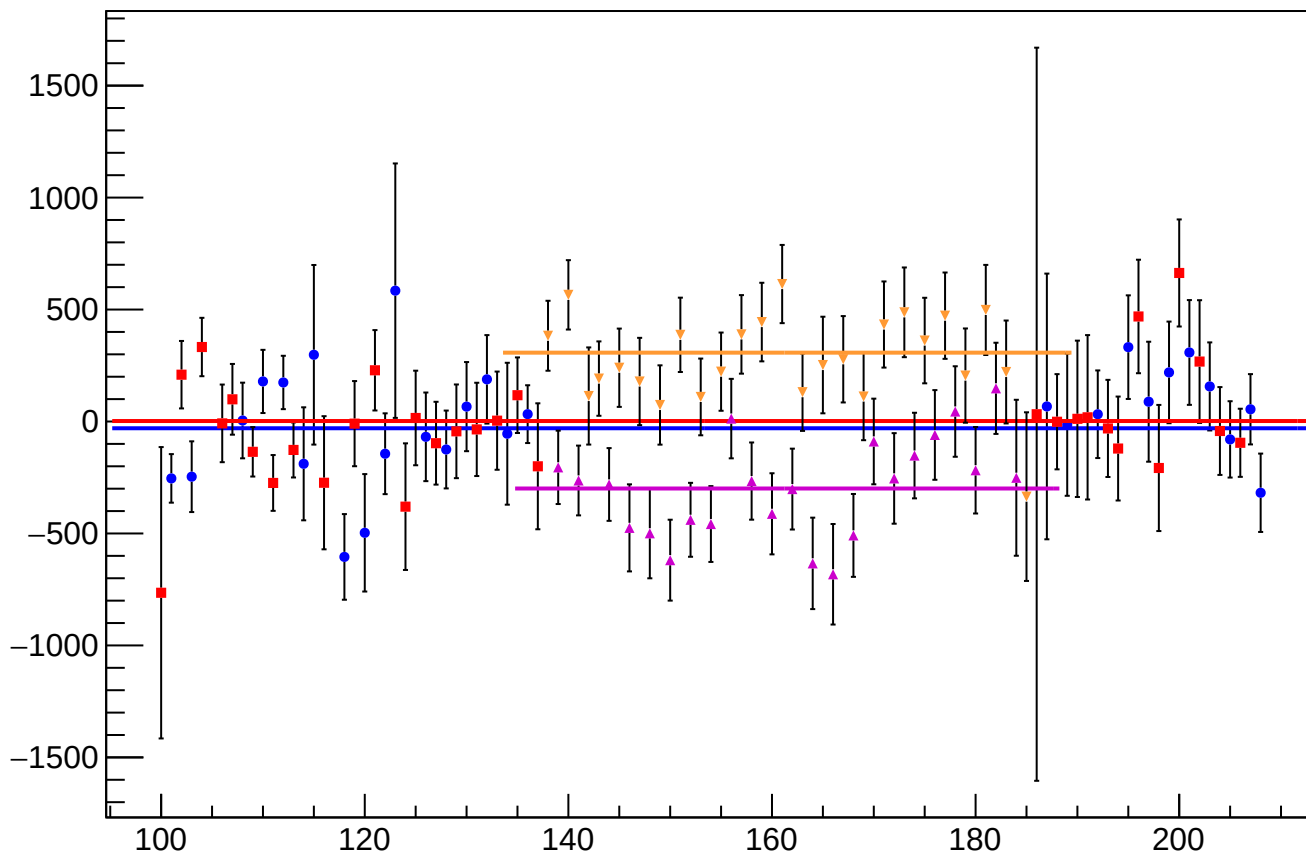
Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

+ sign 949.630+/-0.133 χ^2/NDF : 920923.9/39

All: 950.164+/-0.095 χ^2/NDF : 2546805.5/77

- sign 950.722+/-0.136 χ^2/NDF : 1625848.4/37

reg_asym_sam6_mean vs Slug



Right In: -30.159 ± 35.342 χ^2/NDF : 38.3/27

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: 2.157 ± 34.380 χ^2/NDF : 36.6/30

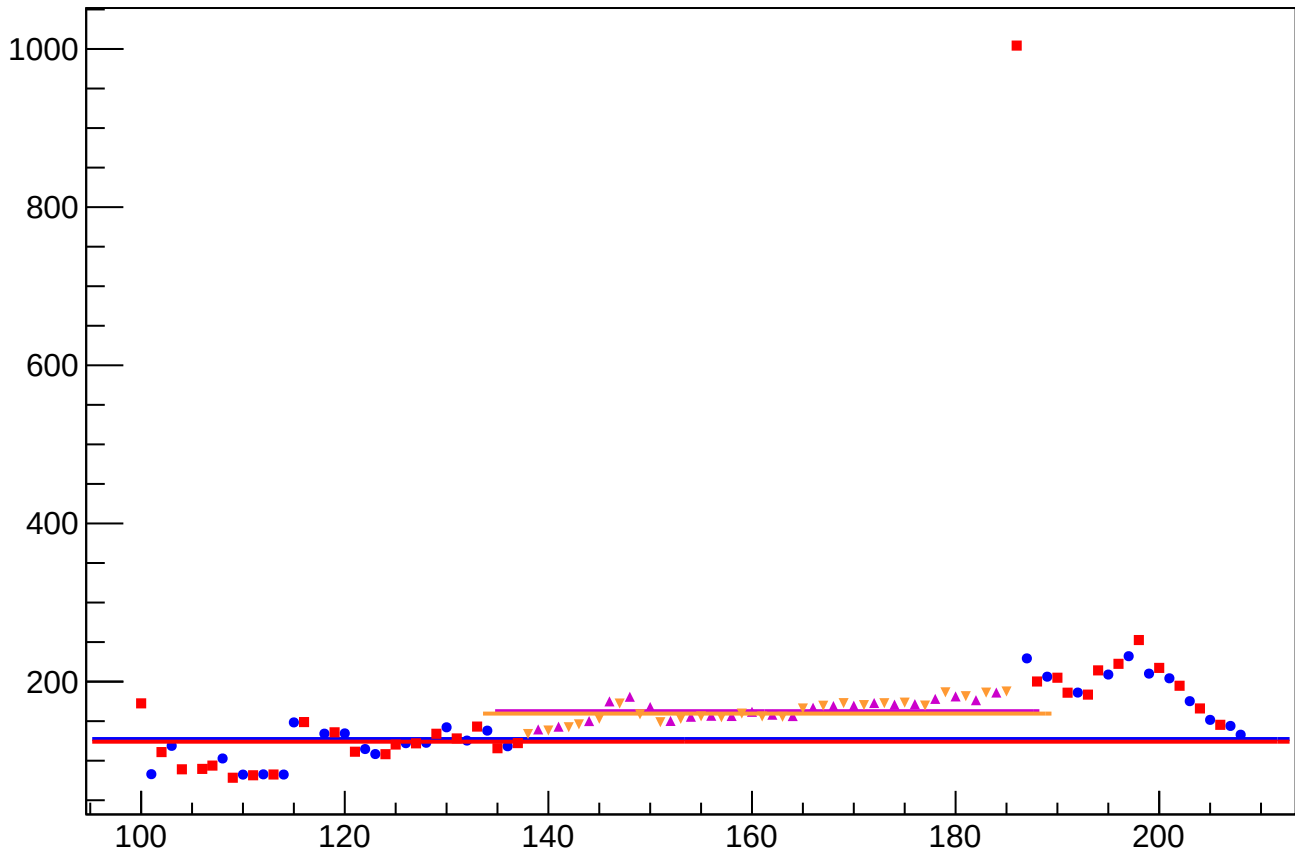
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 129.668 ± 25.647 χ^2/NDF : 102.2/52

All: 0.773 ± 18.187 χ^2/NDF : 251.7/106

- sign -129.586 ± 25.793 χ^2/NDF : 98.7/53

reg_asym_sam6_rms vs Slug



Right In: 127.389 $\pm$ 0.025 χ^2 /NDF: 2560967.4/27

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

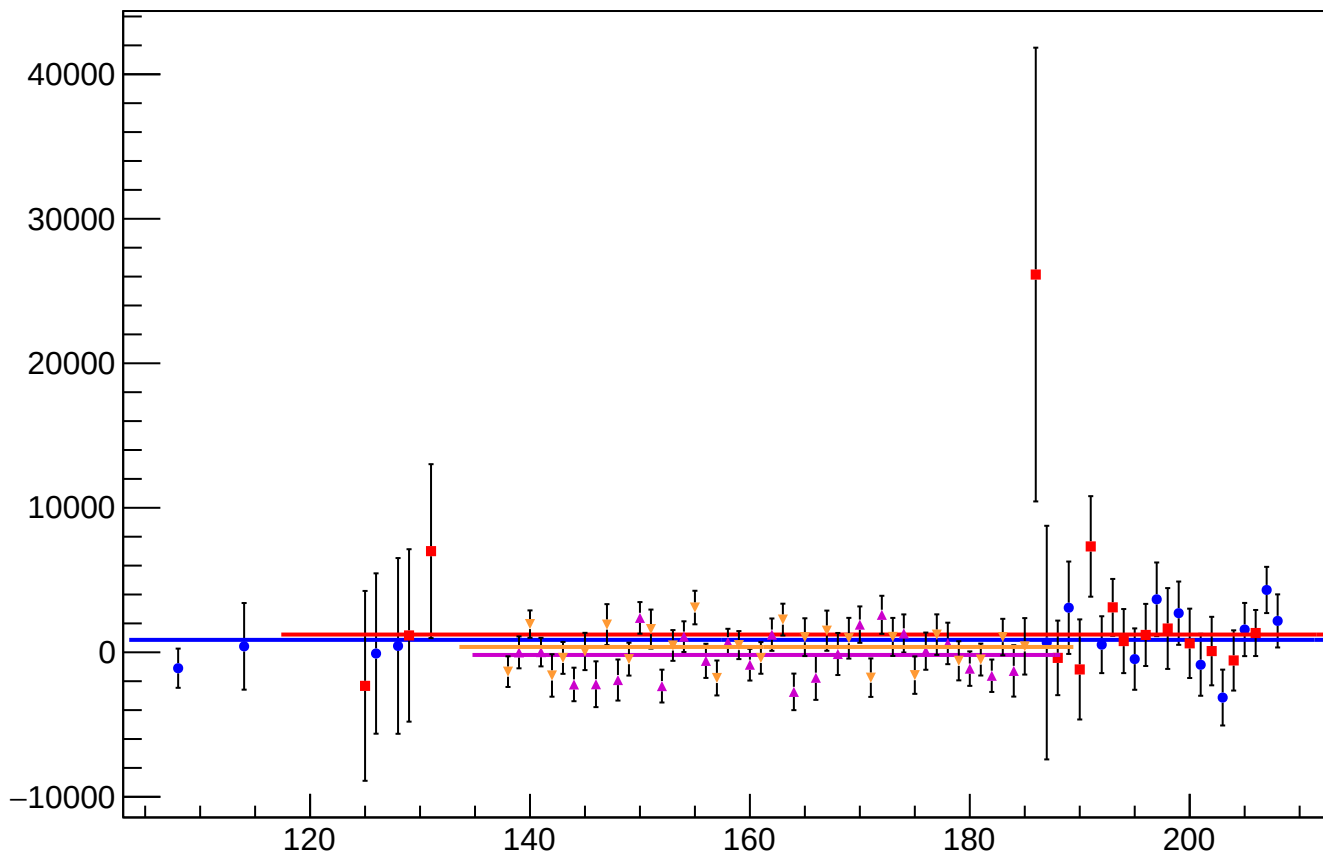
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 142.621 $\pm$ 0.018 χ^2 /NDF: 3633599.2/52

All: 141.767 $\pm$ 0.013 χ^2 /NDF: 8864103.6/100

- sign 140.902 $\pm$ 0.018 χ^2 /NDF: 5226035.8/53

asym_sam6_correction_mean vs Slug



Right In: 860.650+/-564.569 χ^2/NDF : 15.2/14

Left Out: 370.001+/-243.521 χ^2/NDF : 30.5/24

Right Out: 1228.863+/-677.069 χ^2/NDF : 9.7/14

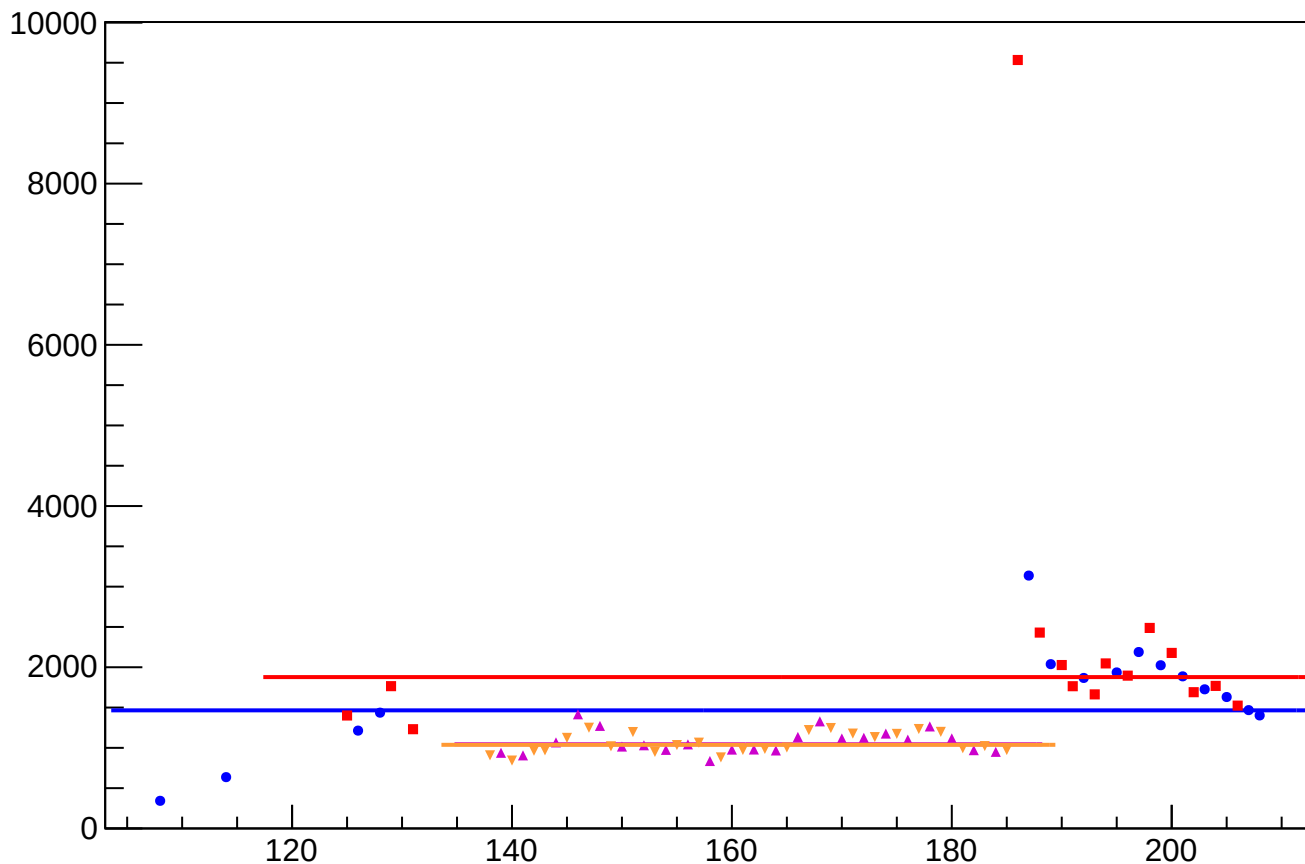
Left In: -183.107+/-252.258 χ^2/NDF : 36.5/22

+ sign 446.968+/-223.606 χ^2/NDF : 46.3/39

All: 230.697+/-162.443 χ^2/NDF : 98.3/77

- sign -11.000+/-236.385 χ^2/NDF : 50.0/37

asym_sam6_correction_rms vs Slug



Right In: 1465.245+/-0.399 χ^2/NDF : 2281426.7/14

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1877.911+/-0.479 χ^2/NDF : 886006.3/14

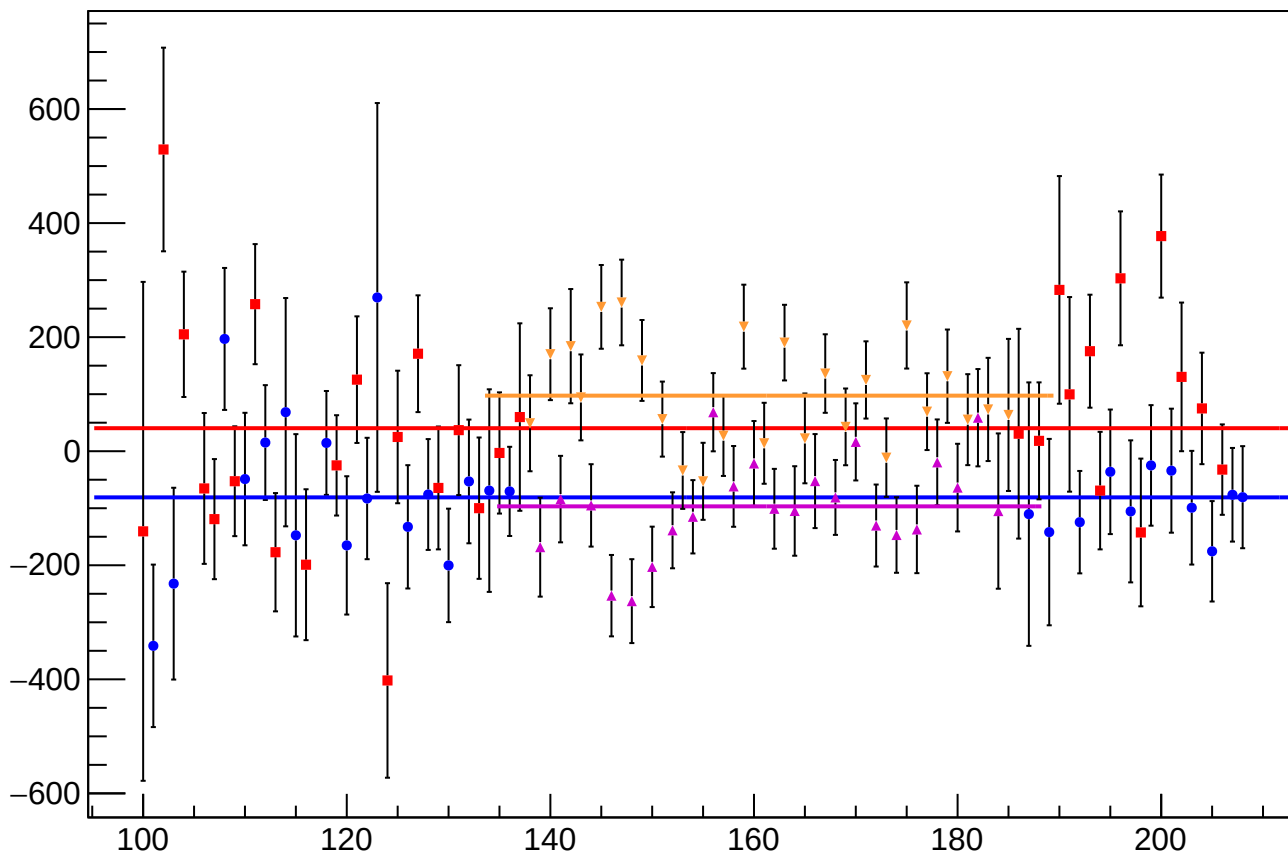
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1104.759+/-0.158 χ^2/NDF : 3743523.4/39

All: 1124.377+/-0.115 χ^2/NDF : 7864789.4/77

- sign 1146.301+/-0.167 χ^2/NDF : 4088666.6/37

reg_asym_sam7_mean vs Slug



Right In: -80.943 ± 21.118 χ^2/NDF : 17.5/27

Left Out: 97.445 ± 14.880 χ^2/NDF : 36.0/24

Right Out: 40.358 ± 20.834 χ^2/NDF : 60.4/30

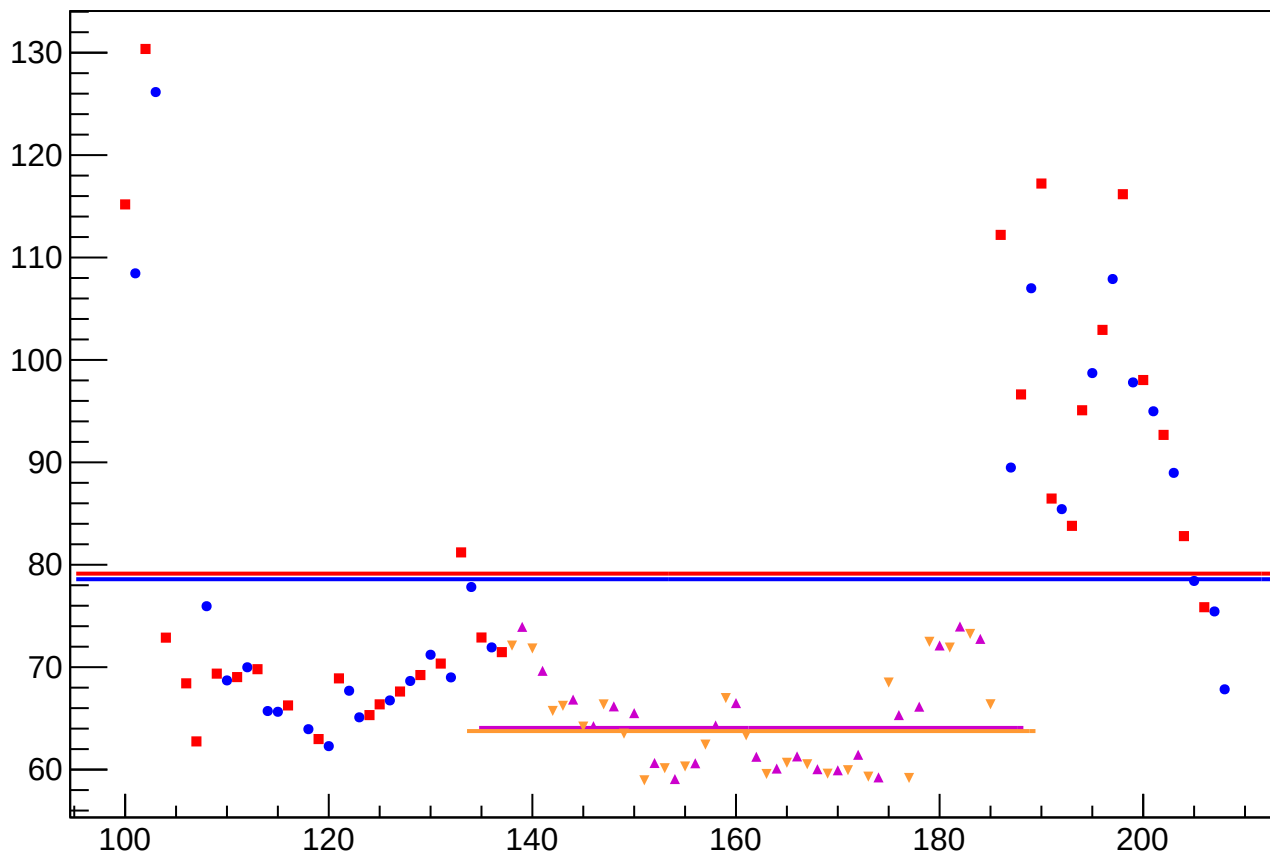
Left In: -96.704 ± 15.369 χ^2/NDF : 29.2/22

+ sign 38.264 ± 12.164 χ^2/NDF : 101.2/52

All: -4.346 ± 8.672 χ^2/NDF : 243.8/106

- sign -48.400 ± 12.368 χ^2/NDF : 117.7/53

reg_asym_sam7_rms vs Slug



Right In: 78.588 $\pm$ 0.015 χ^2 /NDF: 915098.7/27

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

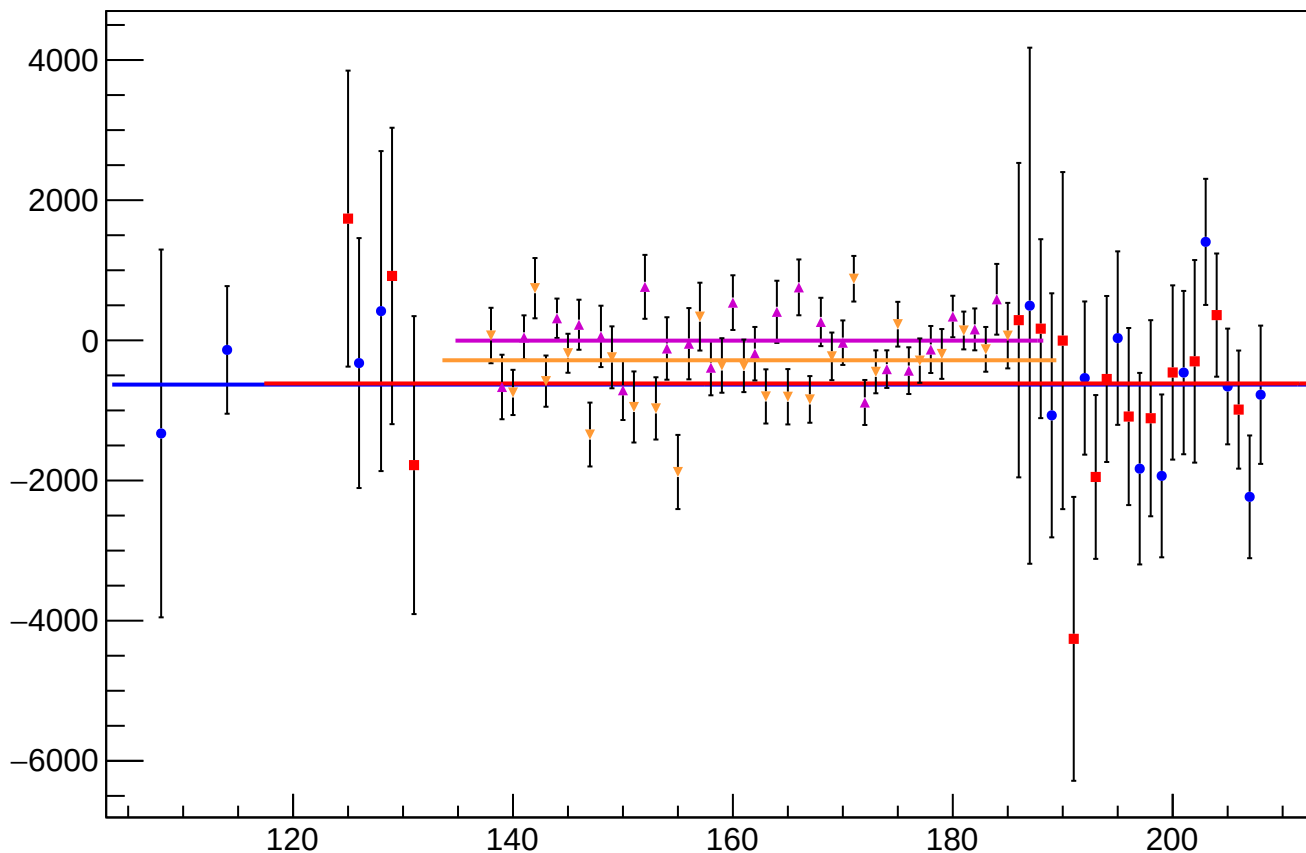
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF:164660.4/22

+ sign 68.680 $\pm$ 0.009 χ^2 /NDF: 1766699.1/52

All: 69.023 $\pm$ 0.006 χ^2 /NDF: 3706608.9/106

- sign 69.378 $\pm$ 0.009 χ^2 /NDF: 1936671.5/53

asym_sam7_correction_mean vs Slug



Right In: -631.288+/-304.327 χ^2/NDF : 11.6/14

Left Out: -284.304+/-72.732 χ^2/NDF : 55.1/24

Right Out: -615.284+/-346.916 χ^2/NDF : 9.0/14

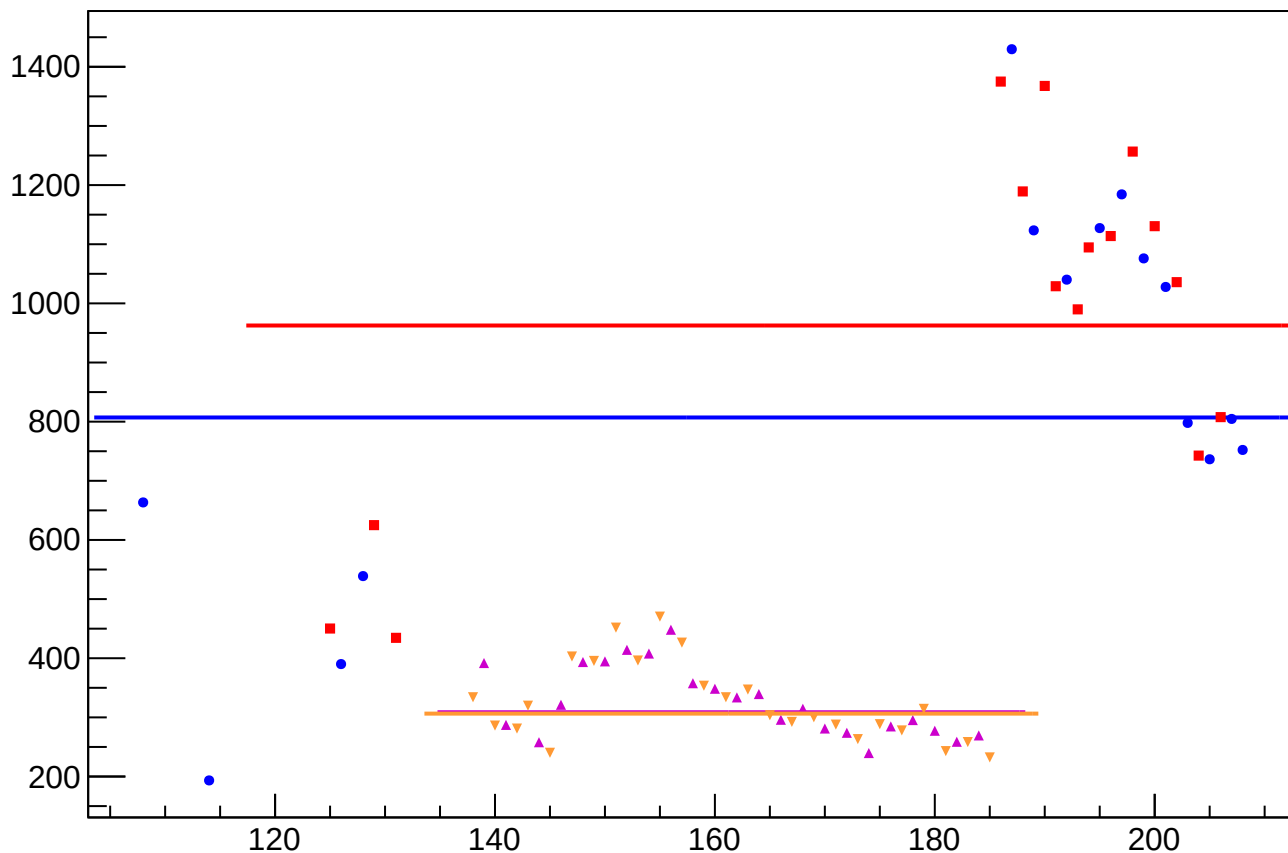
Left In: -4.037+/-75.084 χ^2/NDF : 32.4/22

+ sign -303.052+/-70.740 χ^2/NDF : 67.9/39

All: -172.204+/-50.930 χ^2/NDF : 119.3/77

- sign -31.389+/-73.385 χ^2/NDF : 44.3/37

asym_sam7_correction_rms vs Slug



Right In: 807.077+/-0.215 χ^2/NDF : 1751774.9/14

Left Out: 306.363+/-0.051 χ^2/NDF : 1215669.9/24

Right Out: 962.584+/-0.245 χ^2/NDF : 859156.5/14

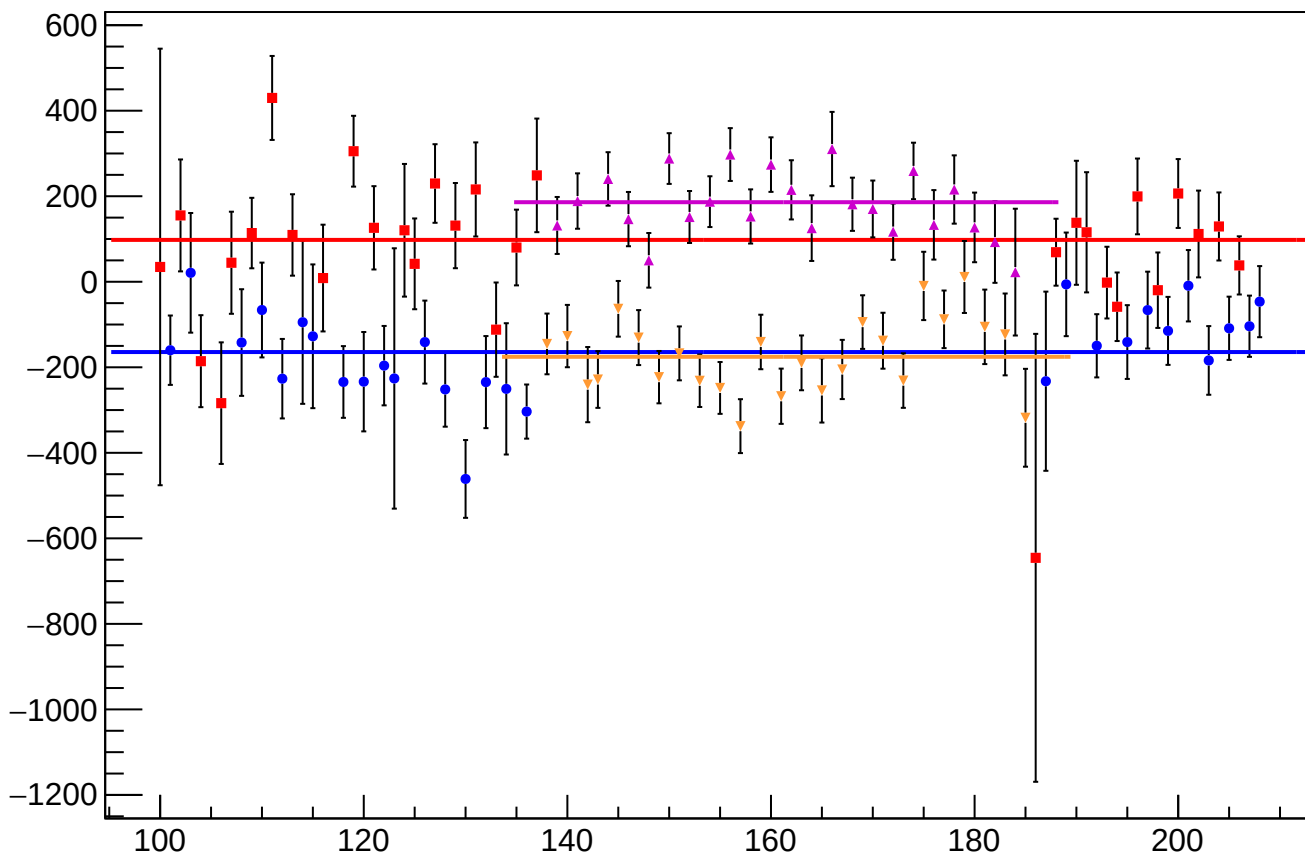
Left In: 308.727+/-0.053 χ^2/NDF : 1002947.4/22

+ sign 333.417+/-0.050 χ^2/NDF : 8089027.0/39

All: 335.617+/-0.036 χ^2/NDF : 16741969.4/77

- sign 337.985+/-0.052 χ^2/NDF : 8648926.2/37

reg_asym_sam8_mean vs Slug



Right In: -164.349+/-17.904 χ^2/NDF : 32.0/27

Left Out: -175.471+/-13.846 χ^2/NDF : 34.6/24

Right Out: 97.902+/-17.996 χ^2/NDF : 54.8/30

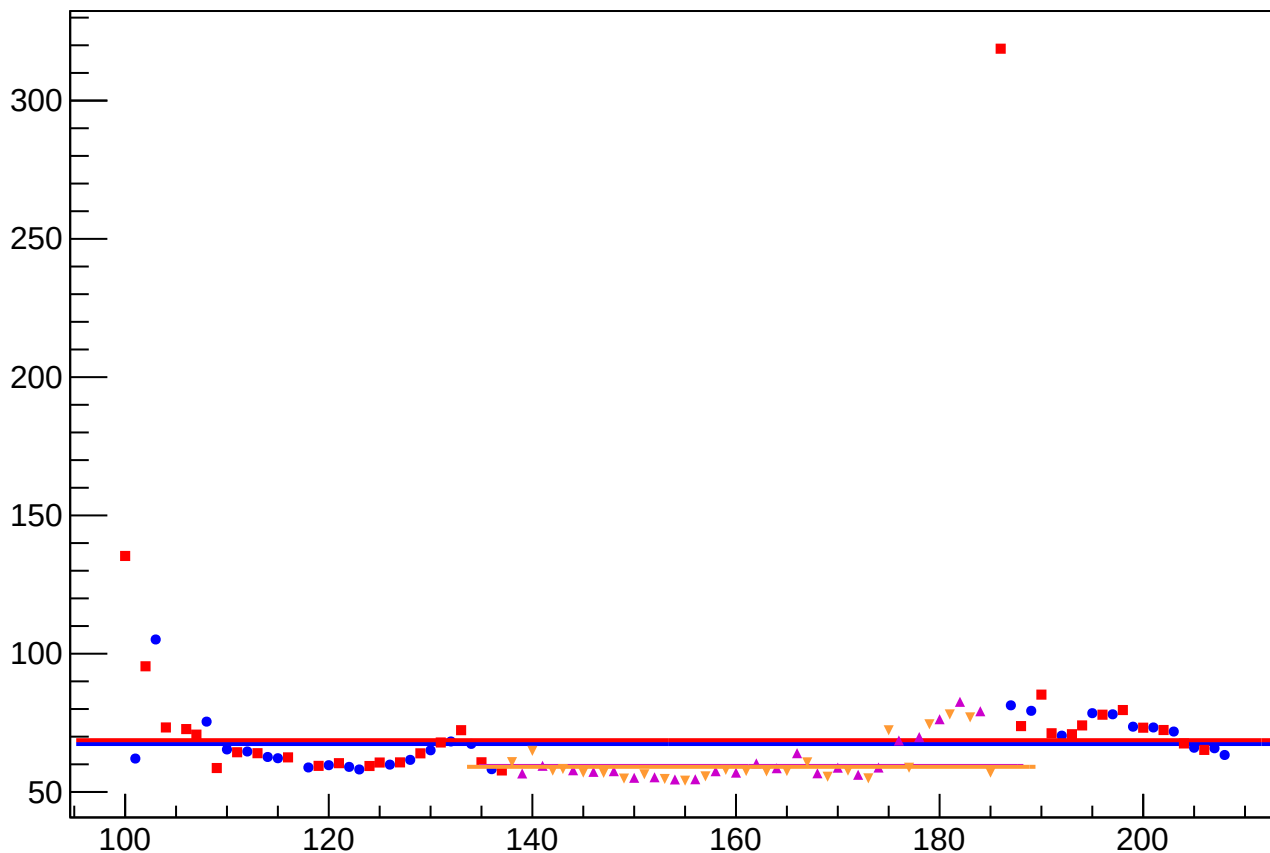
Left In: 186.047+/-14.315 χ^2/NDF : 23.6/22

+ sign -171.309+/-10.953 χ^2/NDF : 66.9/52

All: -13.362+/-7.832 χ^2/NDF : 585.5/106

- sign 151.886+/-11.203 χ^2/NDF : 93.1/53

reg_asym_sam8_rms vs Slug



Right In: 67.337 $\pm$ 0.013 χ^2 /NDF: 407347.2/27

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

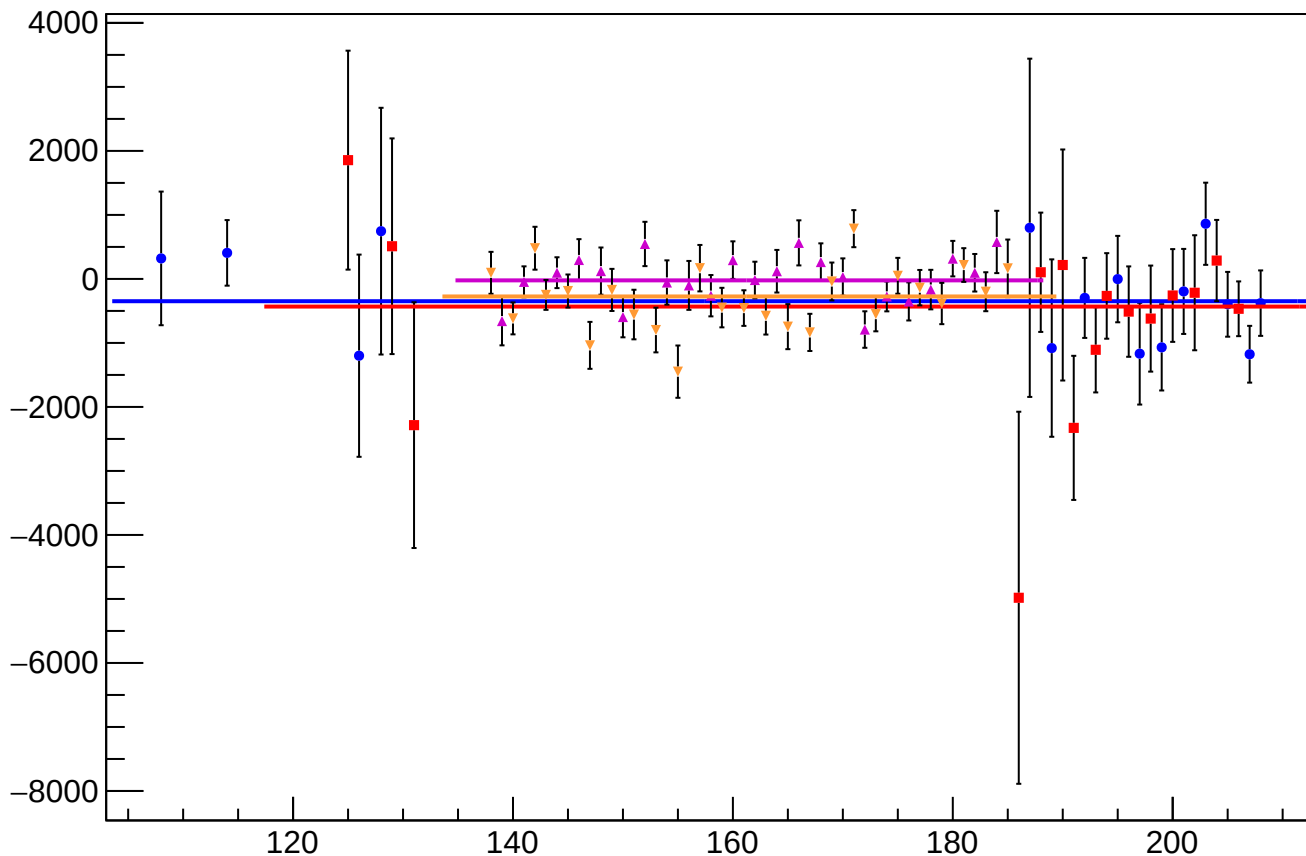
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 62.182 $\pm$ 0.008 χ^2 /NDF: 1042078.6/52

All: 62.592 $\pm$ 0.006 χ^2 /NDF: 2594416.1/106

- sign 63.021 $\pm$ 0.008 χ^2 /NDF: 1546604.1/53

asym_sam8_correction_mean vs Slug



Right In: -348.284 ± 176.493 χ^2/NDF : 13.3/14

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -431.885 ± 211.410 χ^2/NDF : 11.3/14

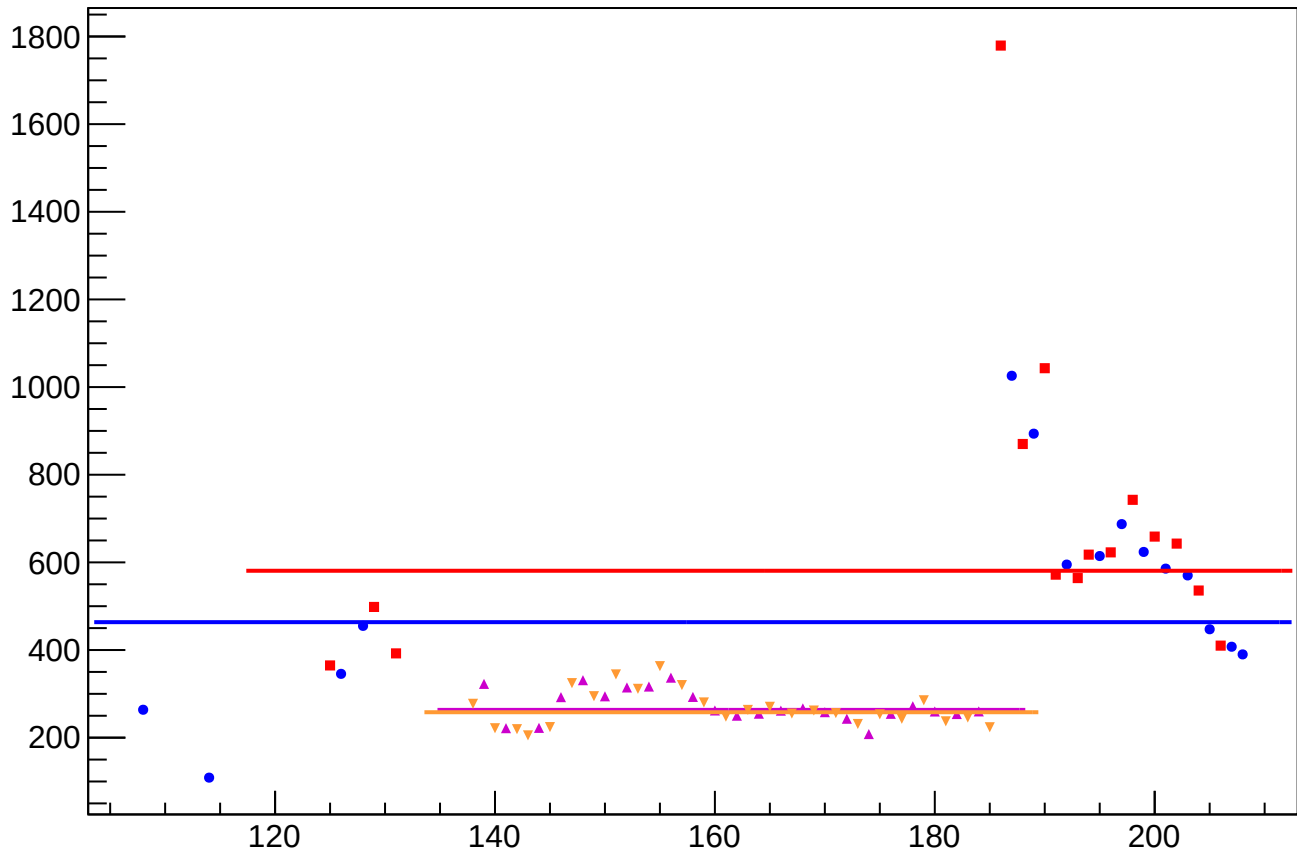
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -281.961 ± 57.484 χ^2/NDF : 67.3/39

All: -175.872 ± 41.816 χ^2/NDF : 118.2/77

- sign -56.638 ± 60.942 χ^2/NDF : 43.7/37

asym_sam8_correction_rms vs Slug



Right In: 463.576+/-0.125 χ^2/NDF : 1984935.2/14

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 580.859+/-0.149 χ^2/NDF : 1172552.0/14

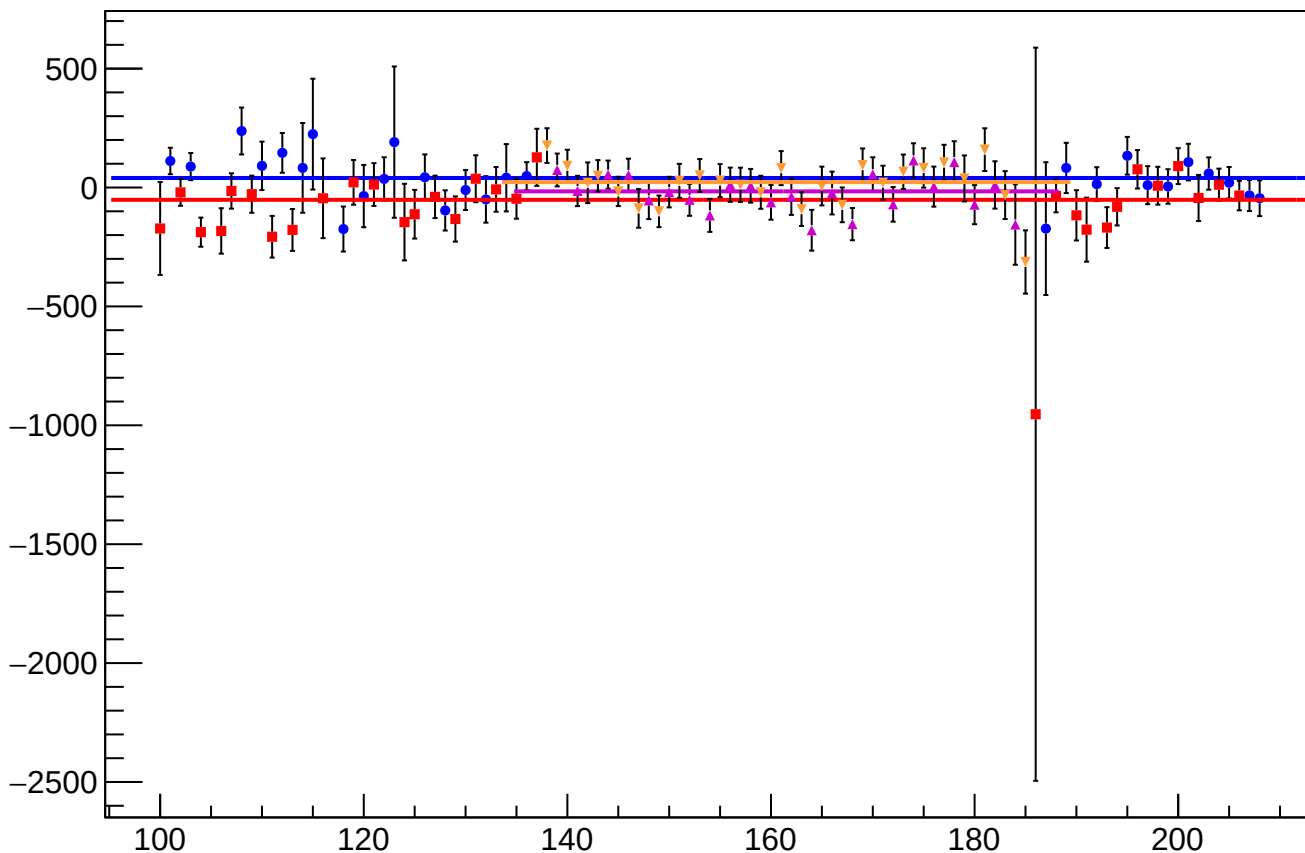
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 279.844+/-0.041 χ^2/NDF : 5134405.6/39

All: 284.520+/-0.030 χ^2/NDF : 11055801.5/77

- sign 289.776+/-0.043 χ^2/NDF : 5893282.0/37

reg_asym_sam_15_avg_mean vs Slug



Right In: 40.119 ± 15.846 χ^2/NDF : 24.6/27

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -51.775 ± 15.589 χ^2/NDF : 30.1/30

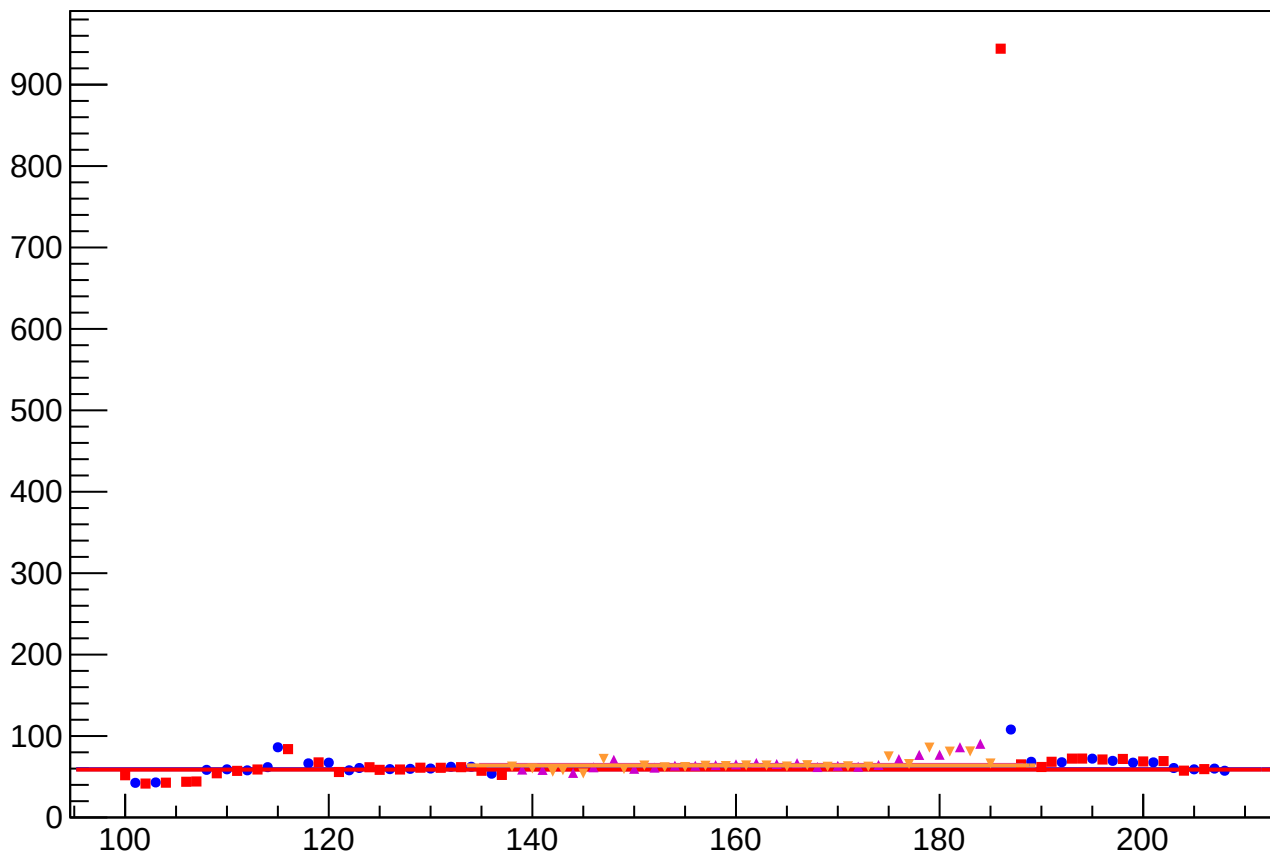
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 31.004 ± 10.881 χ^2/NDF : 54.2/52

All: -1.098 ± 7.737 χ^2/NDF : 127.8/106

- sign -33.921 ± 11.002 χ^2/NDF : 56.0/53

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.232 $\pm$ 0.011 χ^2 /NDF: 652398.5/27

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 58.769 $\pm$ 0.011 χ^2 /NDF: 1494017.5/30

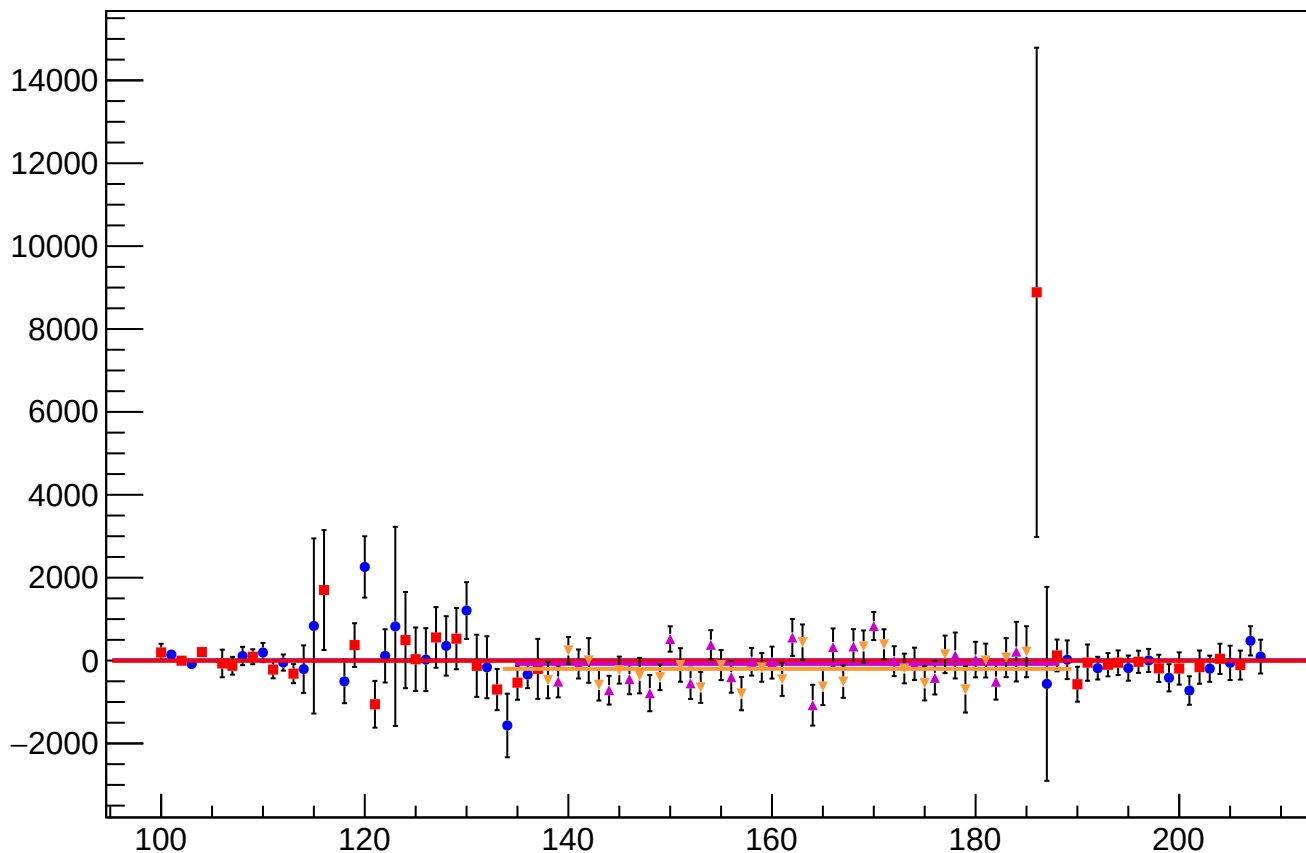
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.709 $\pm$ 0.008 χ^2 /NDF: 1140313.6/52

All: 61.680 $\pm$ 0.005 χ^2 /NDF: 3141066.7/106

- sign 61.650 $\pm$ 0.008 χ^2 /NDF: 2000724.0/53

asym_sam_15_avg_correction_mean vs Slug



Right In: 5.138 ± 46.339 χ^2/NDF : 33.6/27

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -3.802 ± 47.363 χ^2/NDF : 24.2/30

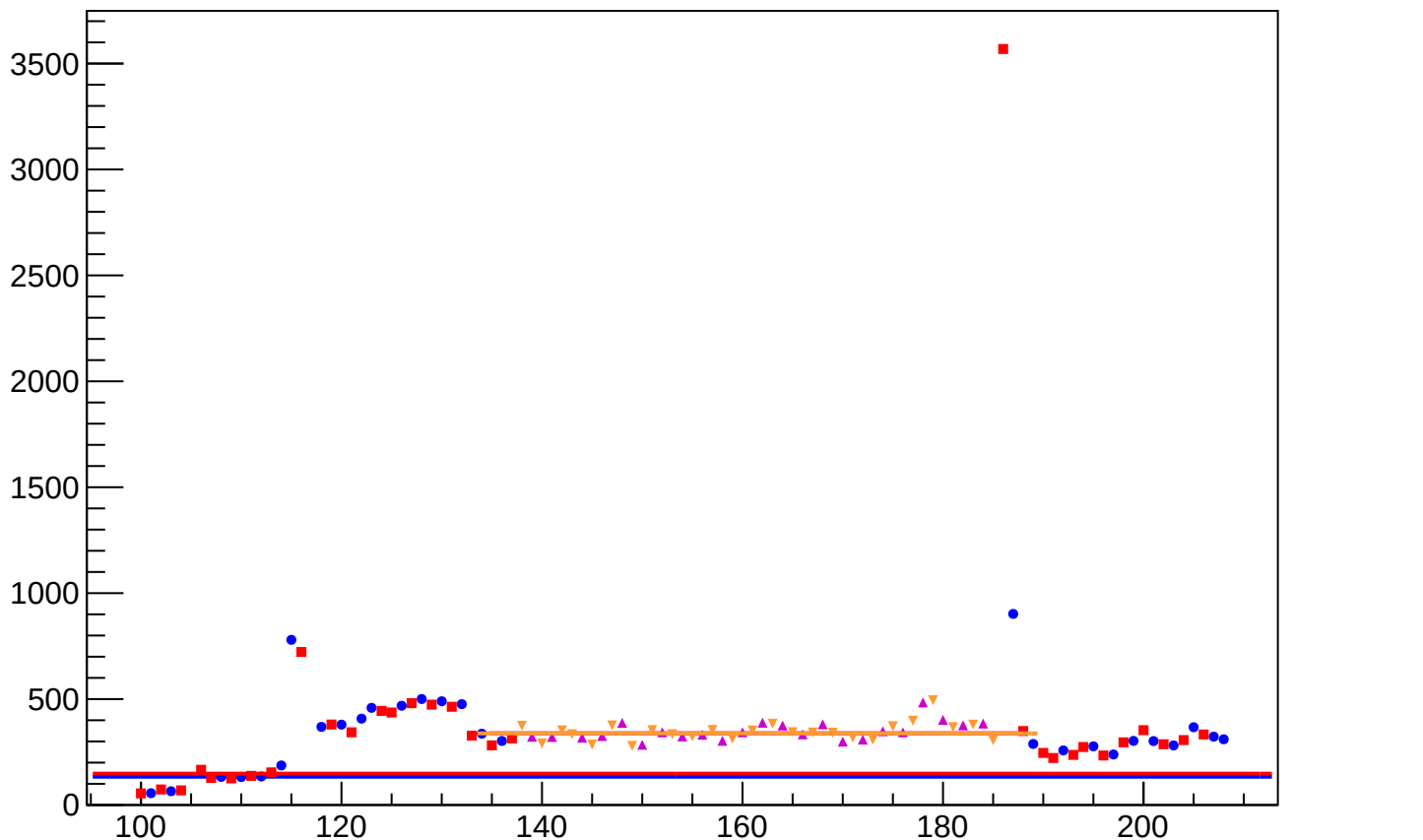
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -47.110 ± 40.041 χ^2/NDF : 58.2/52

All: -35.305 ± 28.641 χ^2/NDF : 116.6/106

- sign -22.937 ± 40.986 χ^2/NDF : 58.2/53

asym_sam_15_avg_correction_rms vs Slug



Right In: 133.658+/-0.033 χ^2/NDF : 11420919.3/27

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 147.914+/-0.033 χ^2/NDF : 10192130.1/30

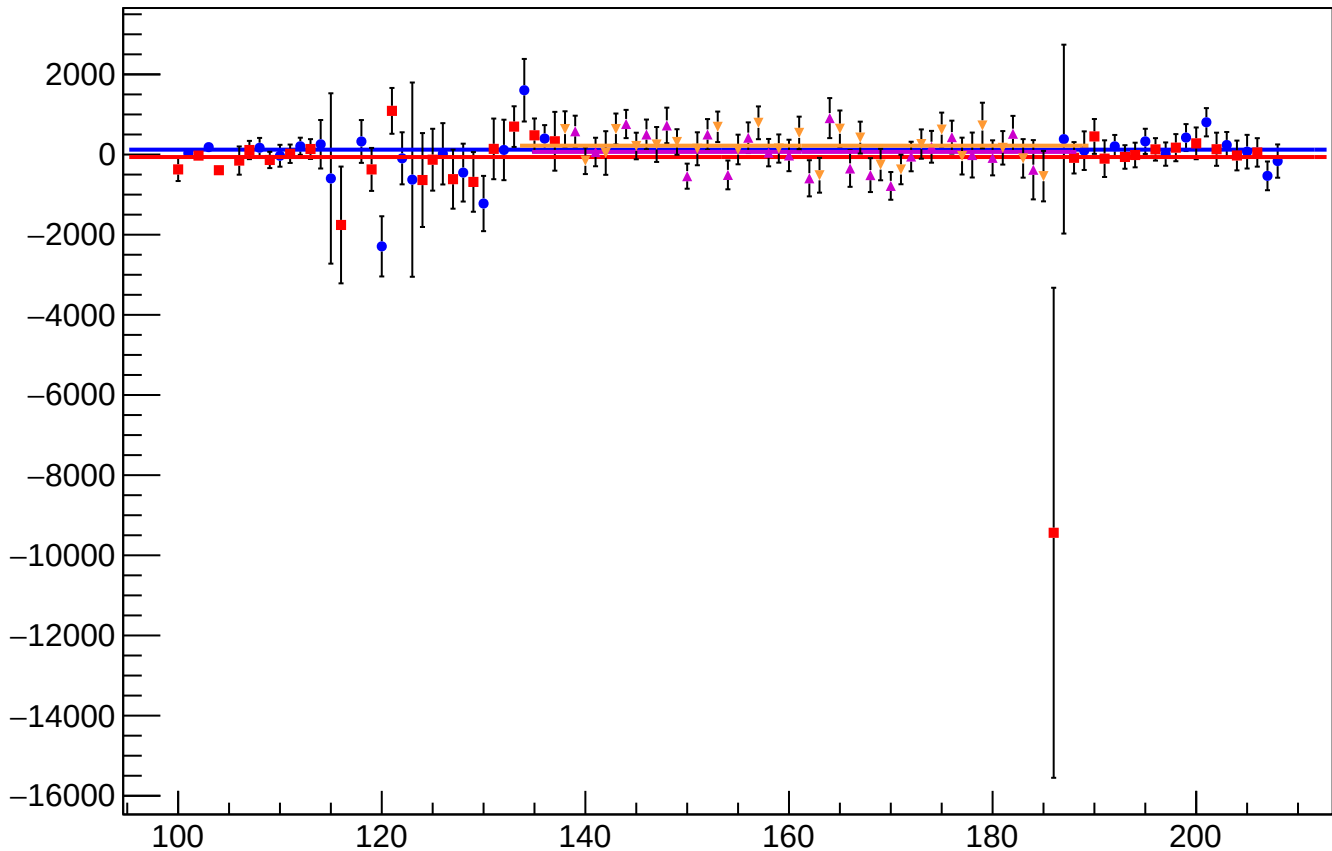
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 185.463+/-0.028 χ^2/NDF : 21785551.2/52

All: 190.510+/-0.020 χ^2/NDF : 40619252.5/10

- sign 195.799+/-0.029 χ^2/NDF : 18768620.7/53

asym_sam_15_avg_mean vs Slug



Right In: 121.767 $\pm$ 54.636 χ^2 /NDF: 30.3/27

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

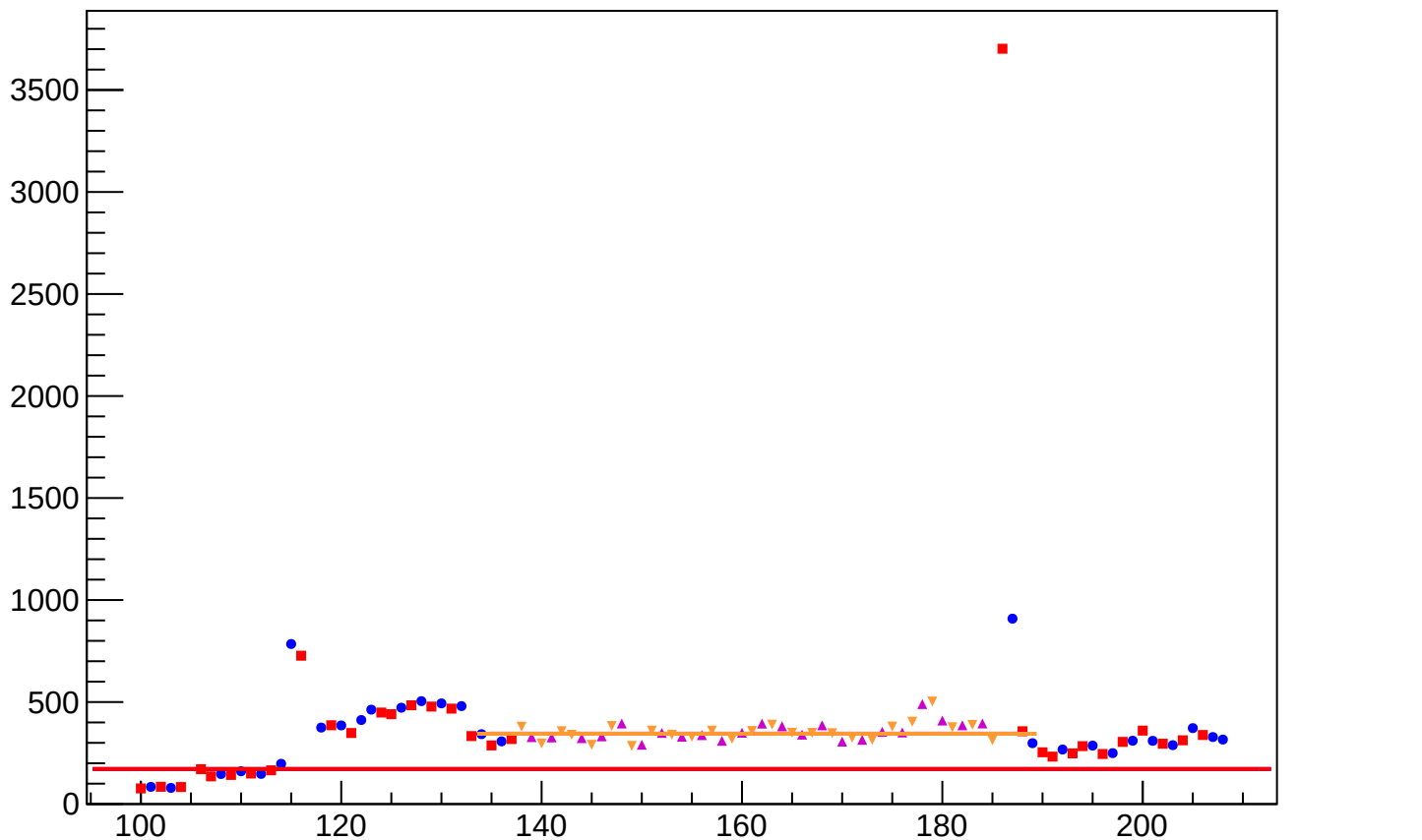
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 152.814 $\pm$ 45.299 χ^2 /NDF: 51.0/52

All: 62.307 $\pm$ 31.800 χ^2 /NDF: 122.1/106

- sign -25.642 $\pm$ 44.654 χ^2 /NDF: 63.2/53

asym_sam_15_avg_rms vs Slug



Right In: 171.682+/-0.039 χ^2/NDF : 8614915.3/27

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 172.101+/-0.037 χ^2/NDF : 8569613.0/30

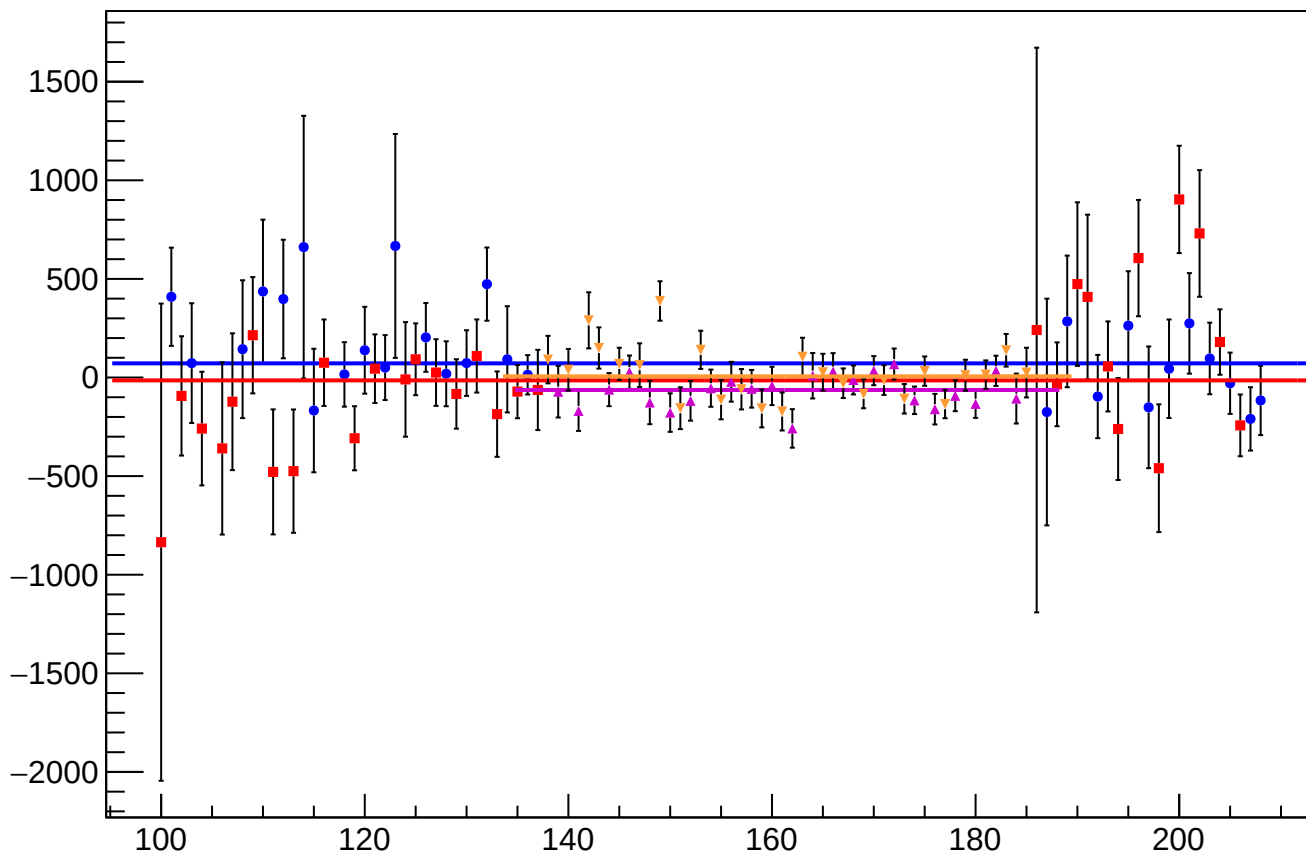
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 225.708+/-0.032 χ^2/NDF : 15358874.6/52

All: 223.713+/-0.022 χ^2/NDF : 30505019.1/10

- sign 221.774+/-0.032 χ^2/NDF : 15138491.7/53

reg_asym_sam_26_avg_mean vs Slug



Right In: 71.771 ± 39.362 $\chi^2/\text{NDF}: 20.0/27$

Left Out: 6.020 ± 17.910 $\chi^2/\text{NDF}: 46.0/24$

Right Out: -14.676 ± 41.209 $\chi^2/\text{NDF}: 42.3/30$

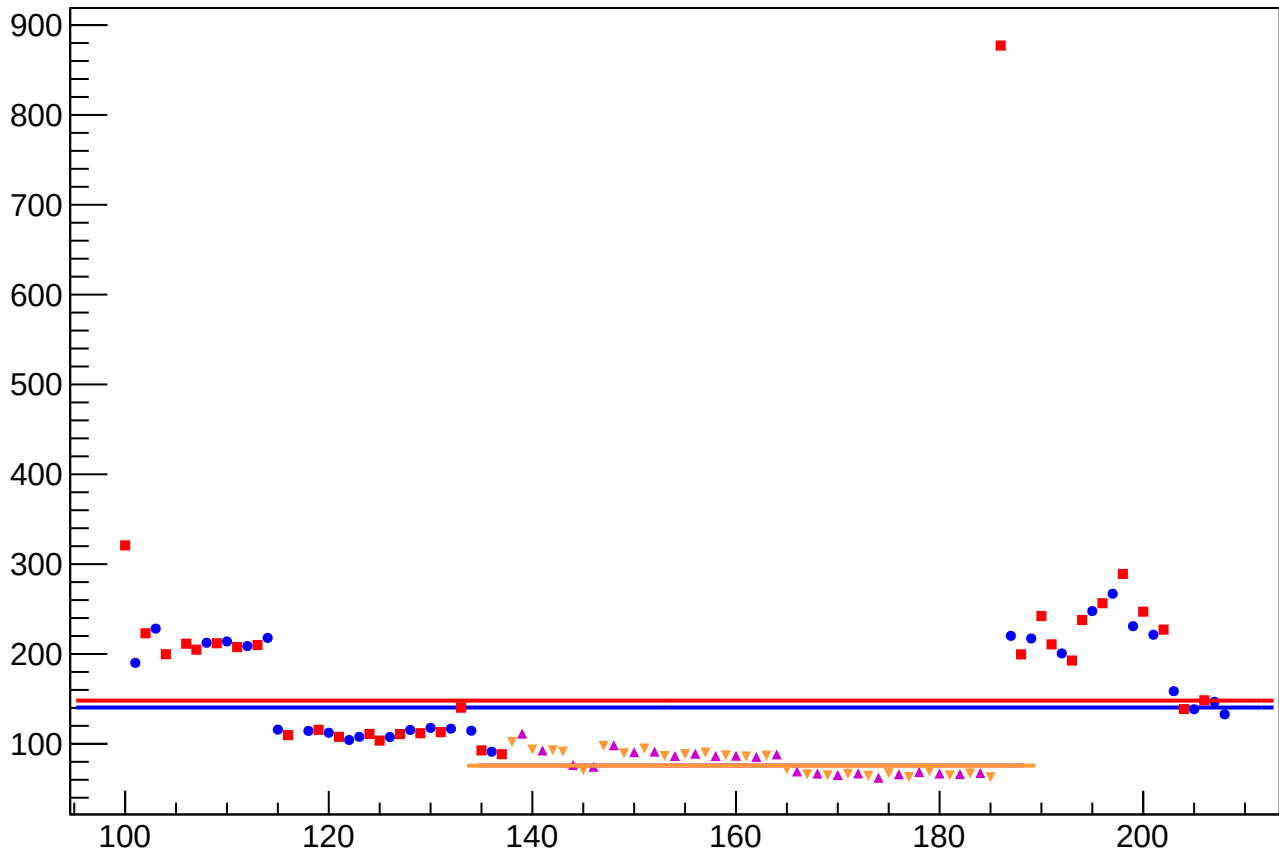
Left In: -63.279 ± 18.447 $\chi^2/\text{NDF}: 19.8/22$

+ sign 17.297 ± 16.302 $\chi^2/\text{NDF}: 68.3/52$

All: -17.765 ± 11.712 $\chi^2/\text{NDF}: 141.2/106$

- sign -55.166 ± 16.837 $\chi^2/\text{NDF}: 63.3/53$

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.417 $\pm$ 0.028 χ^2 /NDF: 2871197.6/27

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

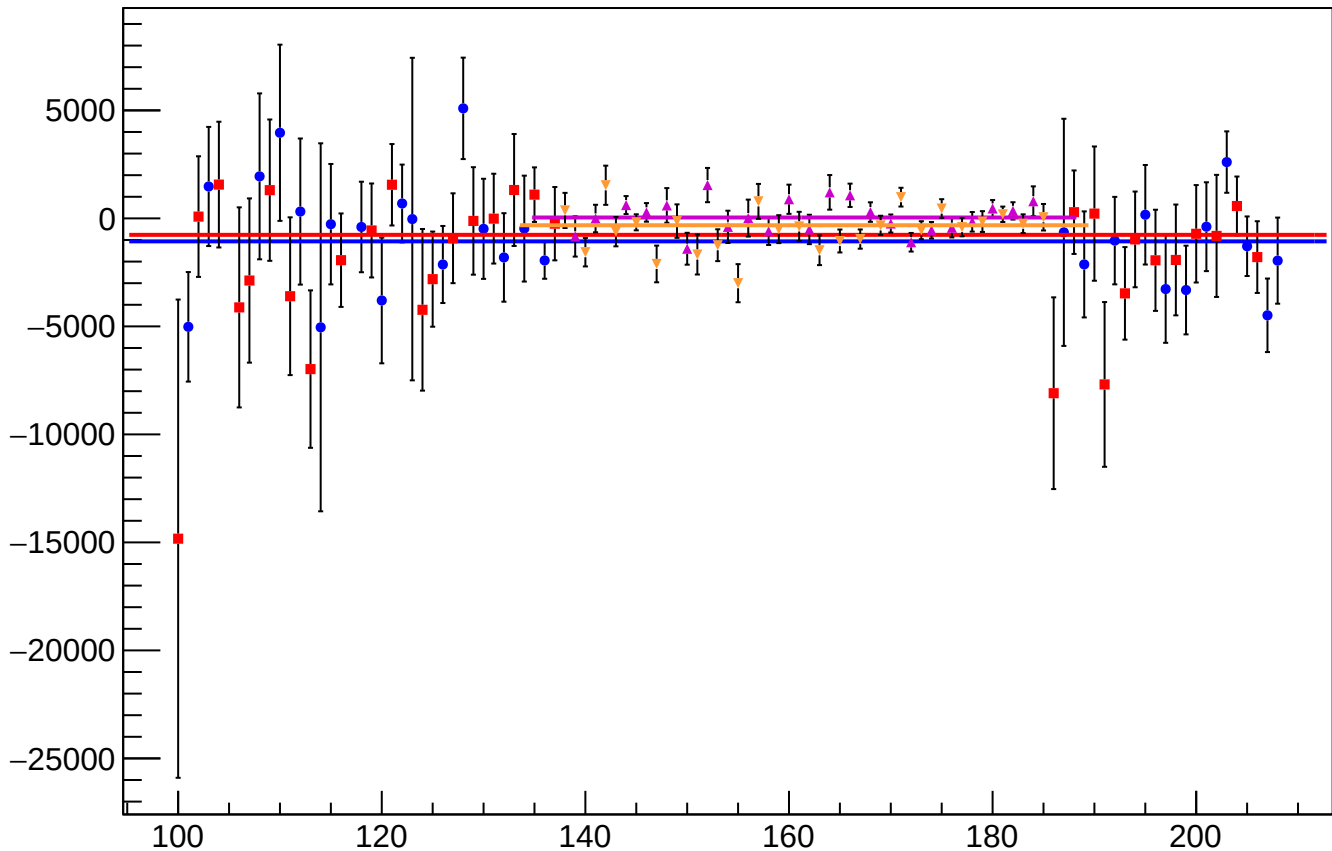
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 86.835 $\pm$ 0.012 χ^2 /NDF: 8282143.9/52

All: 87.381 $\pm$ 0.008 χ^2 /NDF: 18108518.4/106

- sign 87.964 $\pm$ 0.012 χ^2 /NDF: 9821738.7/53

asym_sam_26_avg_correction_mean vs Slug



Right In: -1063.700 ± 386.893 χ^2/NDF : 29.9/27

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -761.697 ± 414.760 χ^2/NDF : 23.6/30

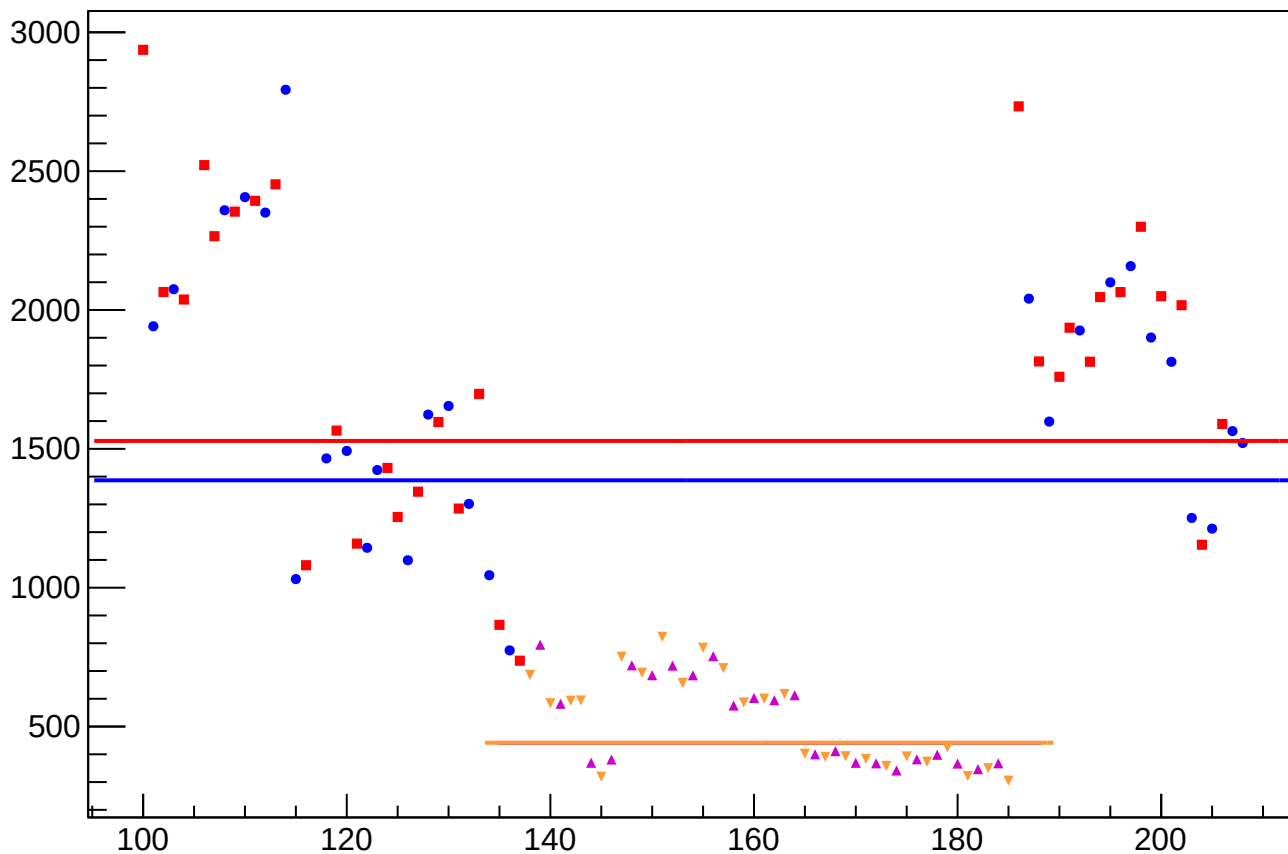
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -371.979 ± 104.035 χ^2/NDF : 83.4/52

All: -196.520 ± 74.438 χ^2/NDF : 151.0/106

- sign -12.469 ± 106.552 χ^2/NDF : 61.8/53

asym_sam_26_avg_correction_rms vs Slug



Right In: 1386.741 $\pm$ 0.274 χ^2 /NDF: 2813008.6/27

Left Out: 441.685 $\pm$ 0.076 χ^2 /NDF: 3169140.9/24

Right Out: 1528.473 $\pm$ 0.293 χ^2 /NDF: 2910757.9/30

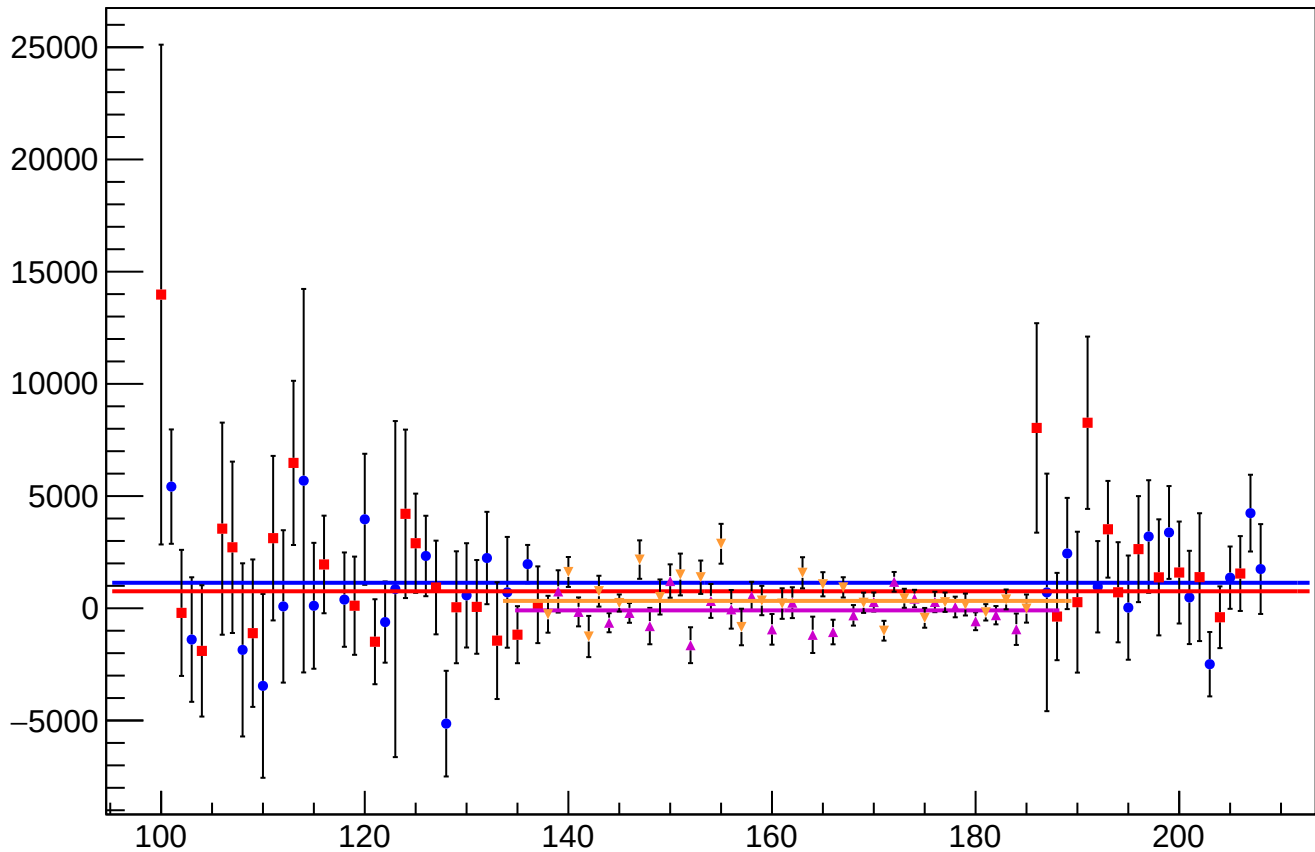
Left In: 441.009 $\pm$ 0.078 χ^2 /NDF: 2597018.1/22

+ sign 510.019 $\pm$ 0.074 χ^2 /NDF: 17052679.8/52

All: 511.366 $\pm$ 0.053 χ^2 /NDF: 35402615.4/10

- sign 512.779 $\pm$ 0.075 χ^2 /NDF: 18349248.4/53

asym_sam_26_avg_mean vs Slug



Right In: 1136.668 $\pm$ 389.354 χ^2/NDF : 29.2/27

Left Out: 328.599 $\pm$ 109.668 χ^2/NDF : 47.7/24

Right Out: 757.529 $\pm$ 417.405 χ^2/NDF : 23.2/30

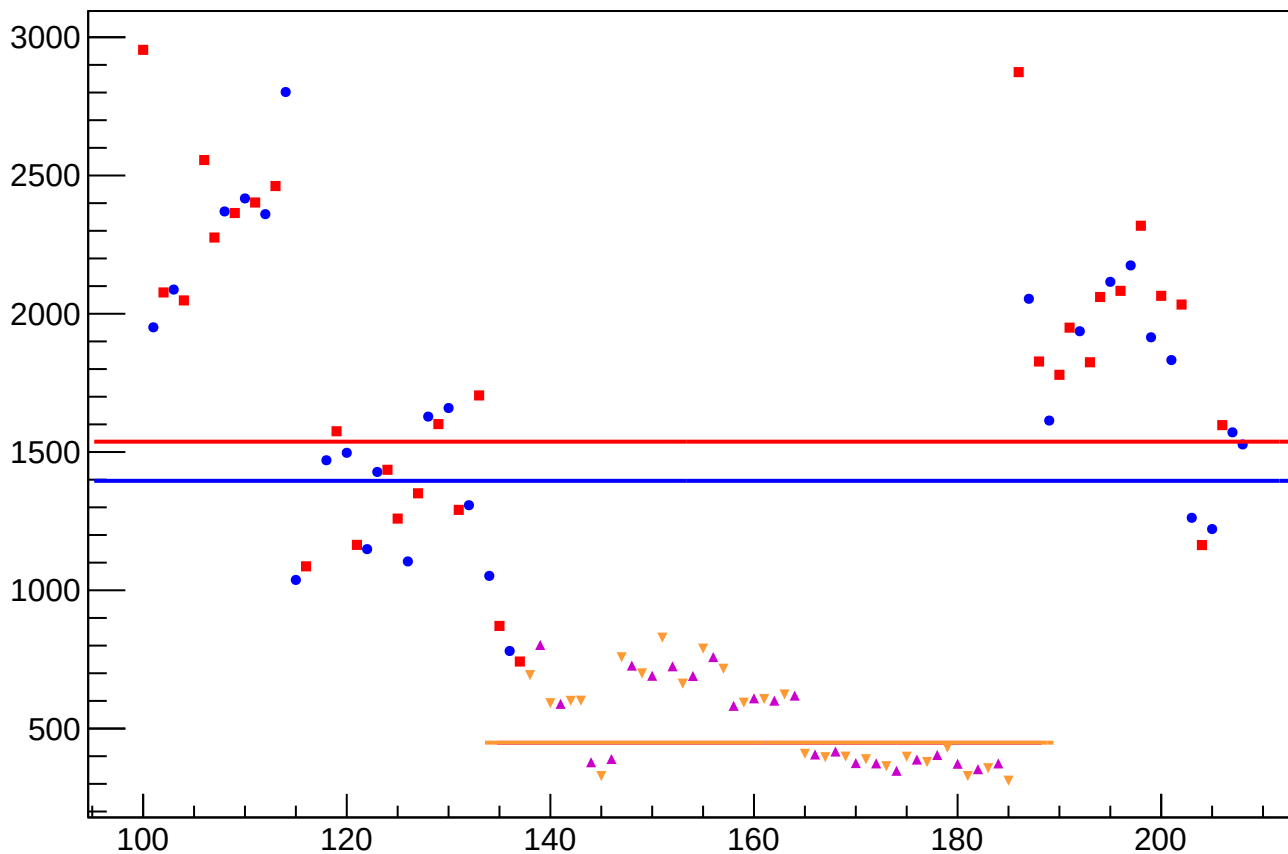
Left In: -93.310 $\pm$ 111.960 χ^2/NDF : 33.3/22

+ sign 387.995 $\pm$ 105.561 χ^2/NDF : 80.9/52

All: 181.010 $\pm$ 75.537 χ^2/NDF : 149.2/106

- sign -36.204 $\pm$ 108.137 χ^2/NDF : 60.4/53

asym_sam_26_avg_rms vs Slug



Right In: 1395.850+/-0.275 χ^2/NDF : 2803633.0/27

Left Out: 449.016+/-0.078 χ^2/NDF : 3090476.2/24

Right Out: 1537.452+/-0.295 χ^2/NDF : 2930493.4/30

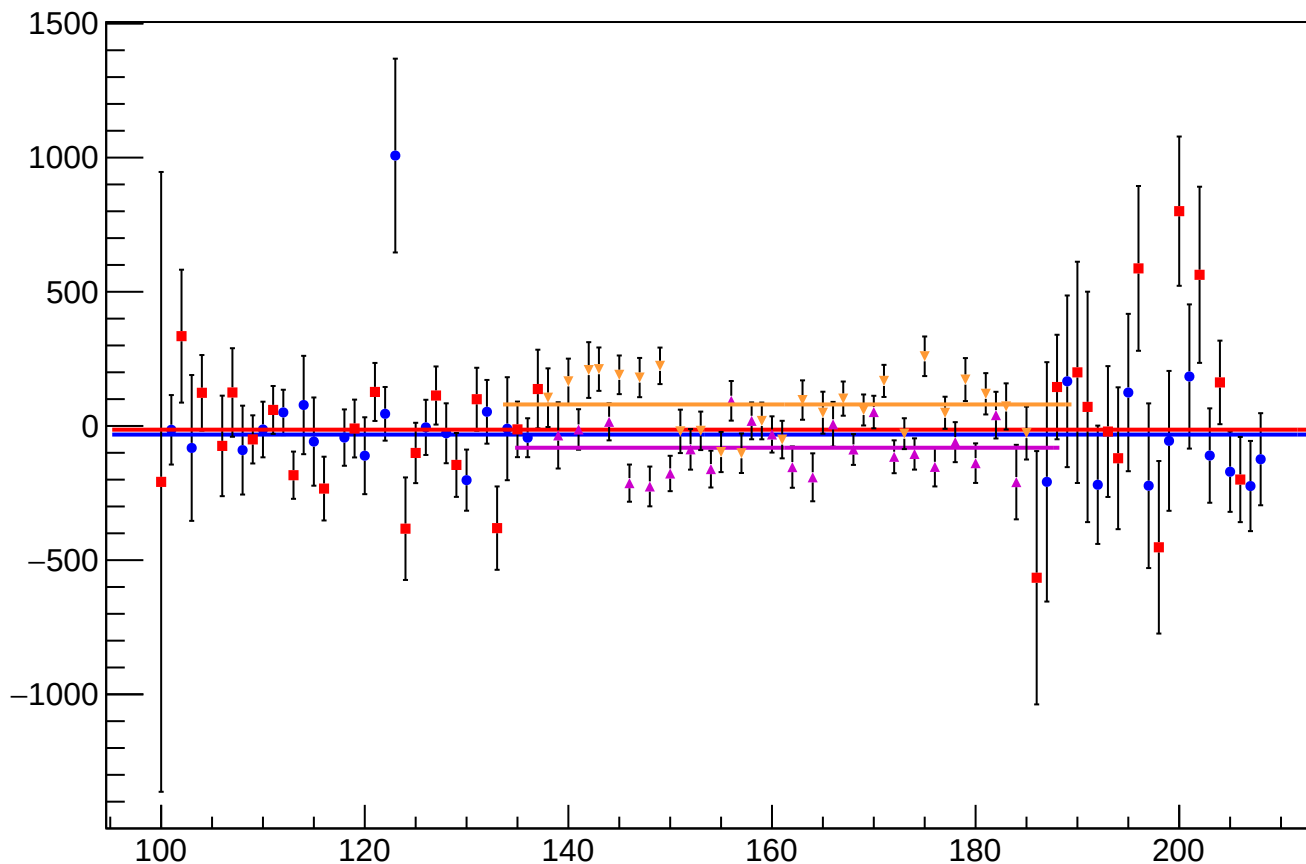
Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

+ sign 518.613+/-0.075 χ^2/NDF : 16852112.8/52

All: 519.977+/-0.053 χ^2/NDF : 35023866.9/10

- sign 521.408+/-0.076 χ^2/NDF : 18171070.2/53

reg_asym_sam_37_avg_mean vs Slug



Right In: -32.069 ± 26.449 $\chi^2/\text{NDF}: 18.8/27$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -13.788 ± 26.102 $\chi^2/\text{NDF}: 50.5/30$

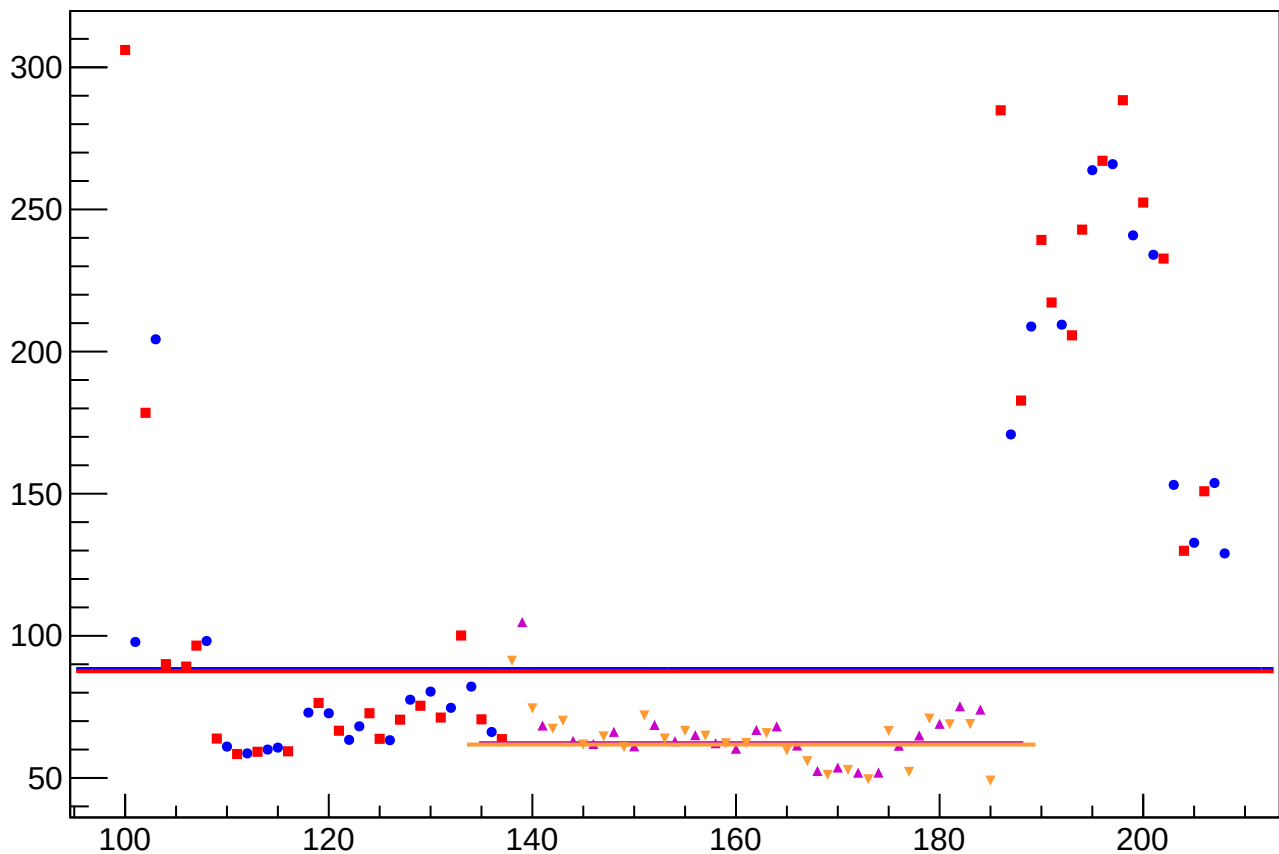
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 53.979 ± 12.777 $\chi^2/\text{NDF}: 81.2/52$

All: -3.778 ± 9.138 $\chi^2/\text{NDF}: 213.8/106$

- sign -64.255 ± 13.074 $\chi^2/\text{NDF}: 90.7/53$

reg_asym_sam_37_avg_rms vs Slug



Right In: 88.329 $\pm$ 0.019 χ^2 /NDF: 5911418.4/27

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

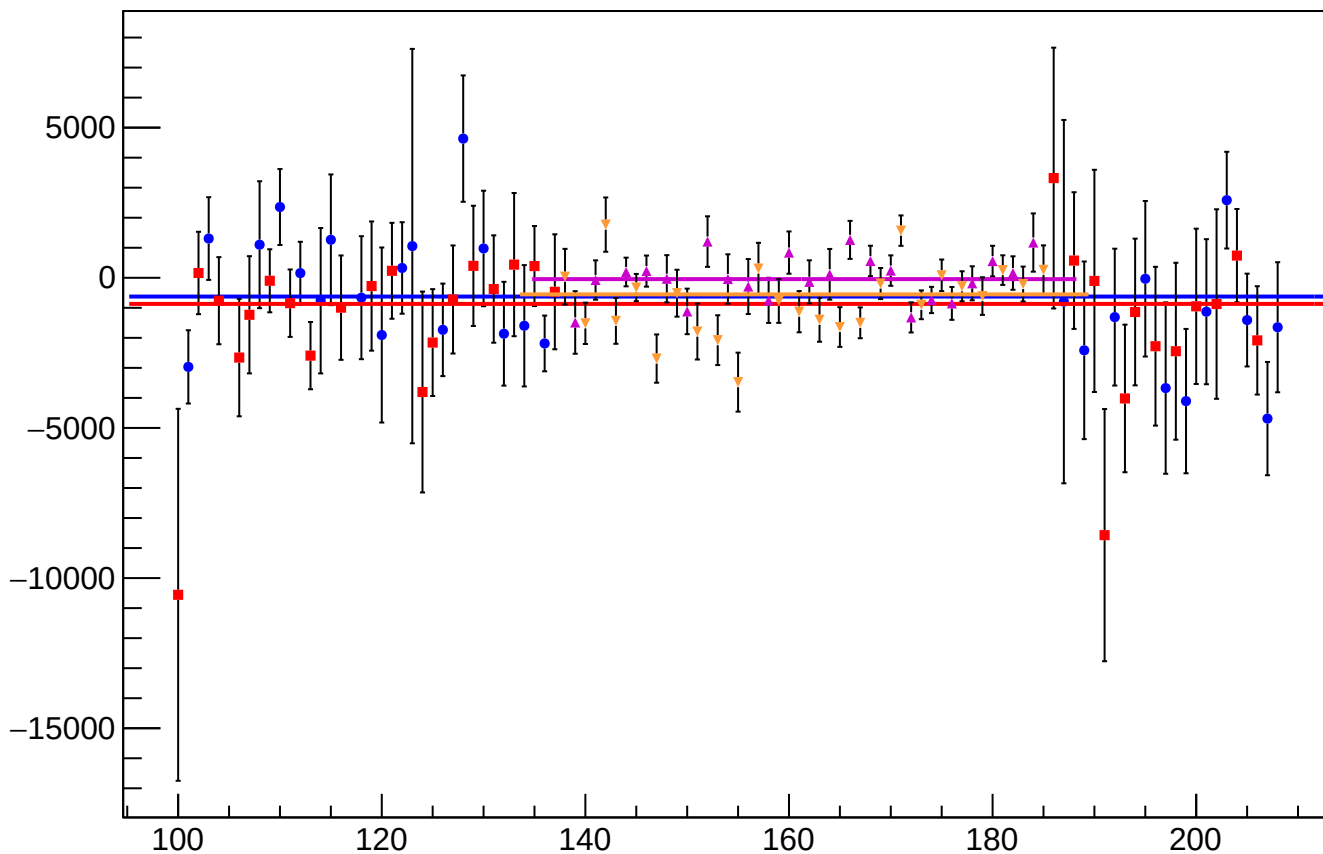
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 67.961 $\pm$ 0.009 χ^2 /NDF: 8104027.4/52

All: 68.270 $\pm$ 0.006 χ^2 /NDF: 17017810.2/106

- sign 68.594 $\pm$ 0.009 χ^2 /NDF: 8911383.6/53

asym_sam_37_avg_correction_mean vs Slug



Right In: -624.763 $\pm$ 332.093 χ^2 /NDF: 37.8/27

Left Out: -552.511 $\pm$ 126.981 χ^2 /NDF:65.3/24

Right Out: -869.822 $\pm$ 329.278 χ^2 /NDF: 18.9/30

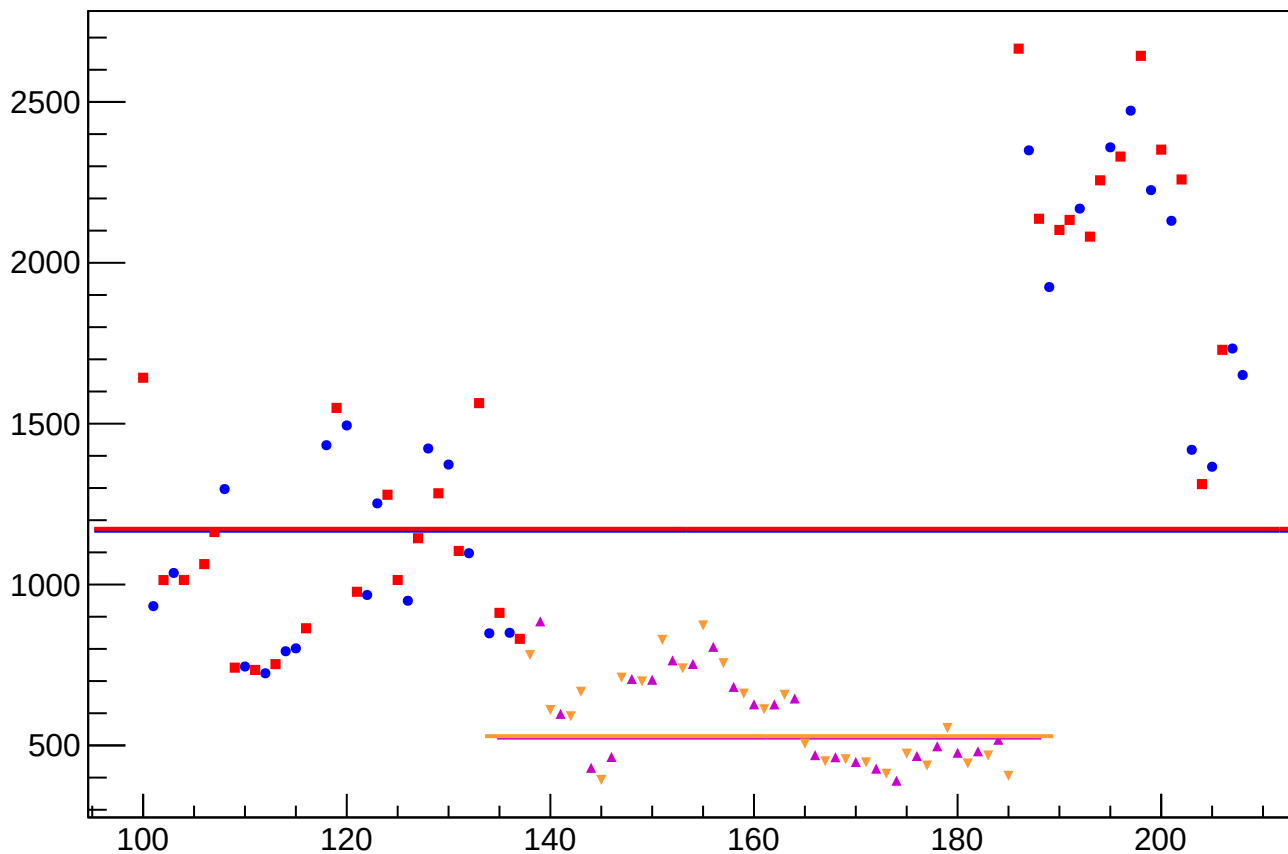
Left In: -44.578 $\pm$ 129.095 χ^2 /NDF:29.6/22

+ sign -561.727 $\pm$ 118.606 χ^2 /NDF: 103.1/52

All: -360.822 $\pm$ 84.421 χ^2 /NDF: 162.8/106

- sign -154.524 $\pm$ 120.188 χ^2 /NDF: 53.8/53

asym_sam_37_avg_correction_rms vs Slug



Right In: 1167.330 $\pm$ 0.235 χ^2 /NDF: 3763825.3/27

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

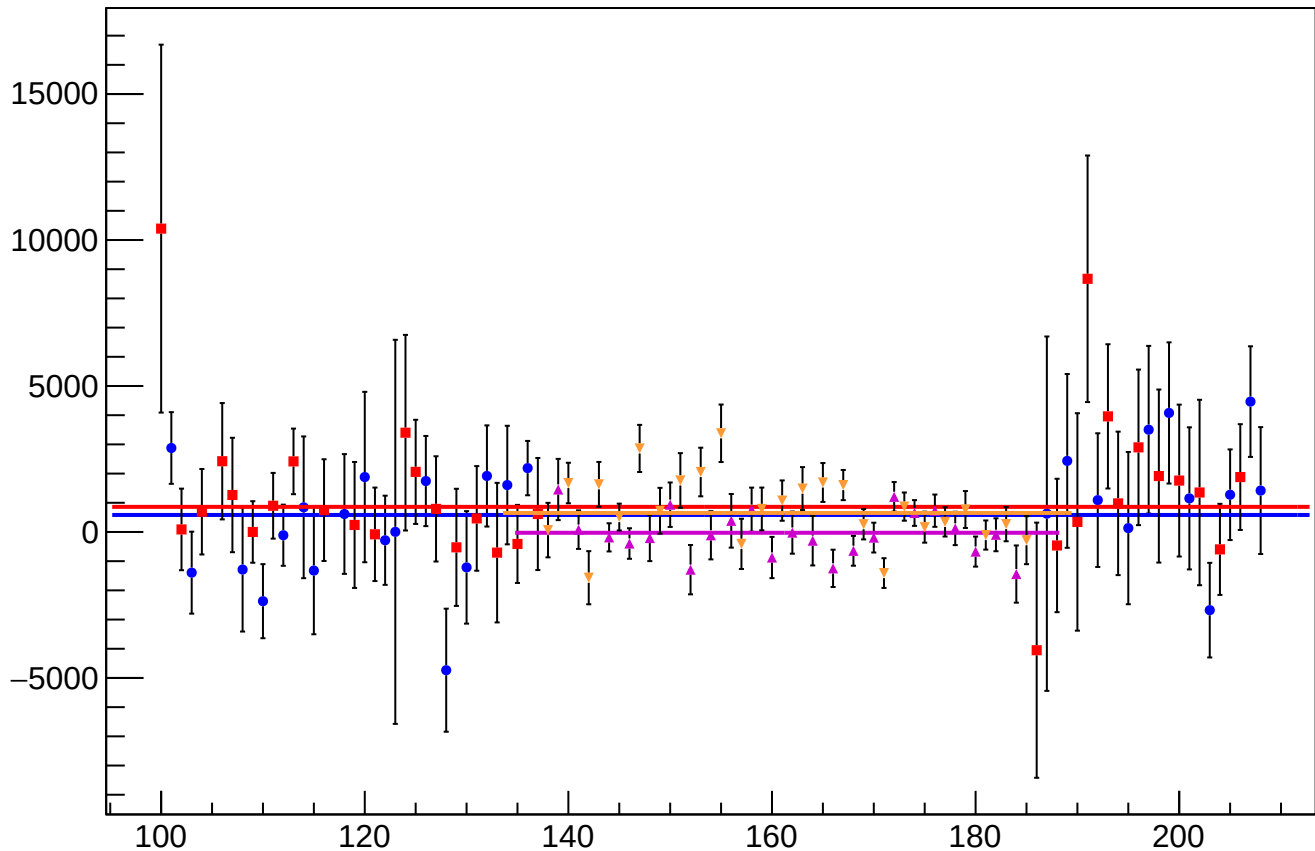
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

+ sign 610.191 $\pm$ 0.084 χ^2 /NDF: 12199569.3/52

All: 610.460 $\pm$ 0.060 χ^2 /NDF: 25252988.1/10

- sign 610.736 $\pm$ 0.085 χ^2 /NDF: 13053398.0/53

asym_sam_37_avg_mean vs Slug



Right In: 582.979 ± 333.672 χ^2/NDF : 37.3/27

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 860.229 ± 330.970 χ^2/NDF : 17.8/30

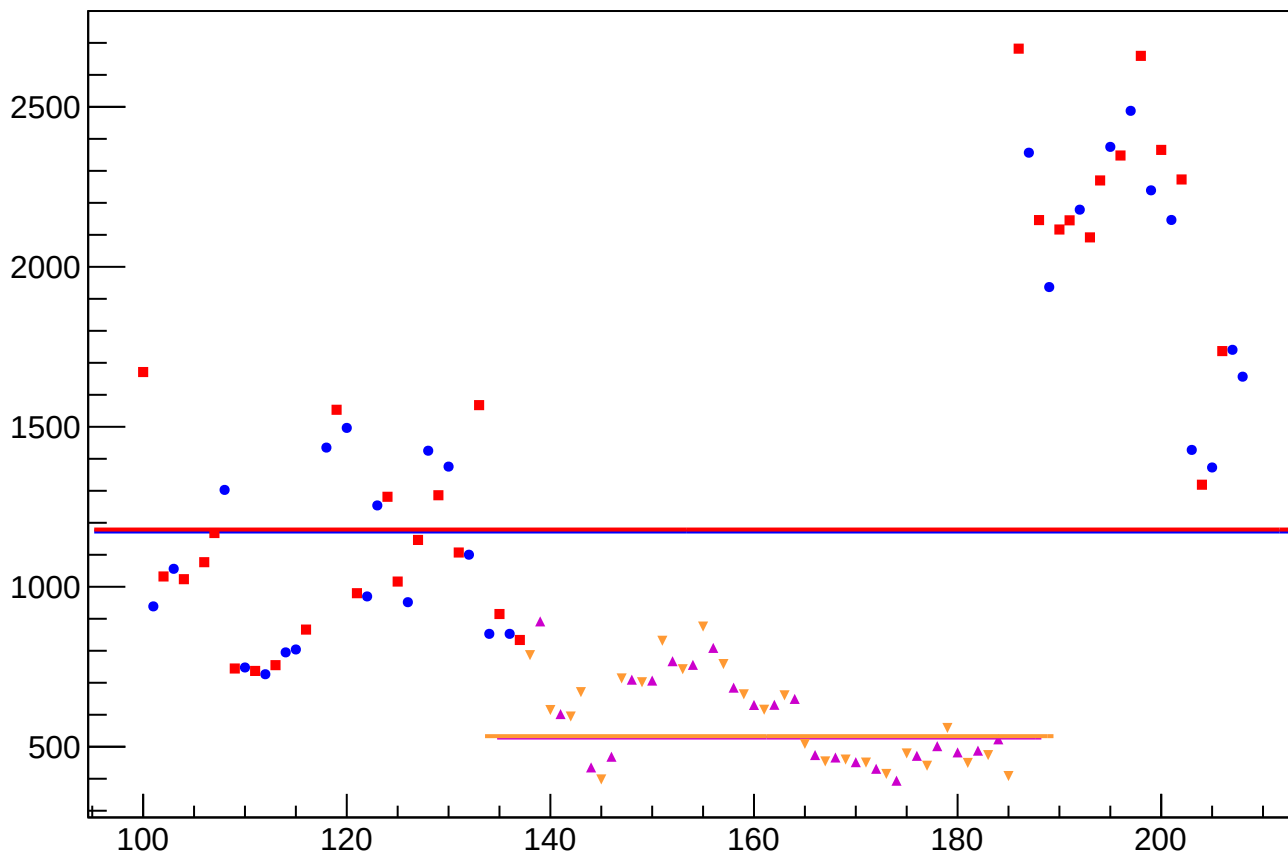
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 642.767 ± 119.477 χ^2/NDF : 98.4/52

All: 370.794 ± 85.052 χ^2/NDF : 161.4/106

- sign 91.368 ± 121.103 χ^2/NDF : 52.5/53

asym_sam_37_avg_rms vs Slug



Right In: 1172.719 $\pm$ 0.236 χ^2 /NDF: 3770933.3/27

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

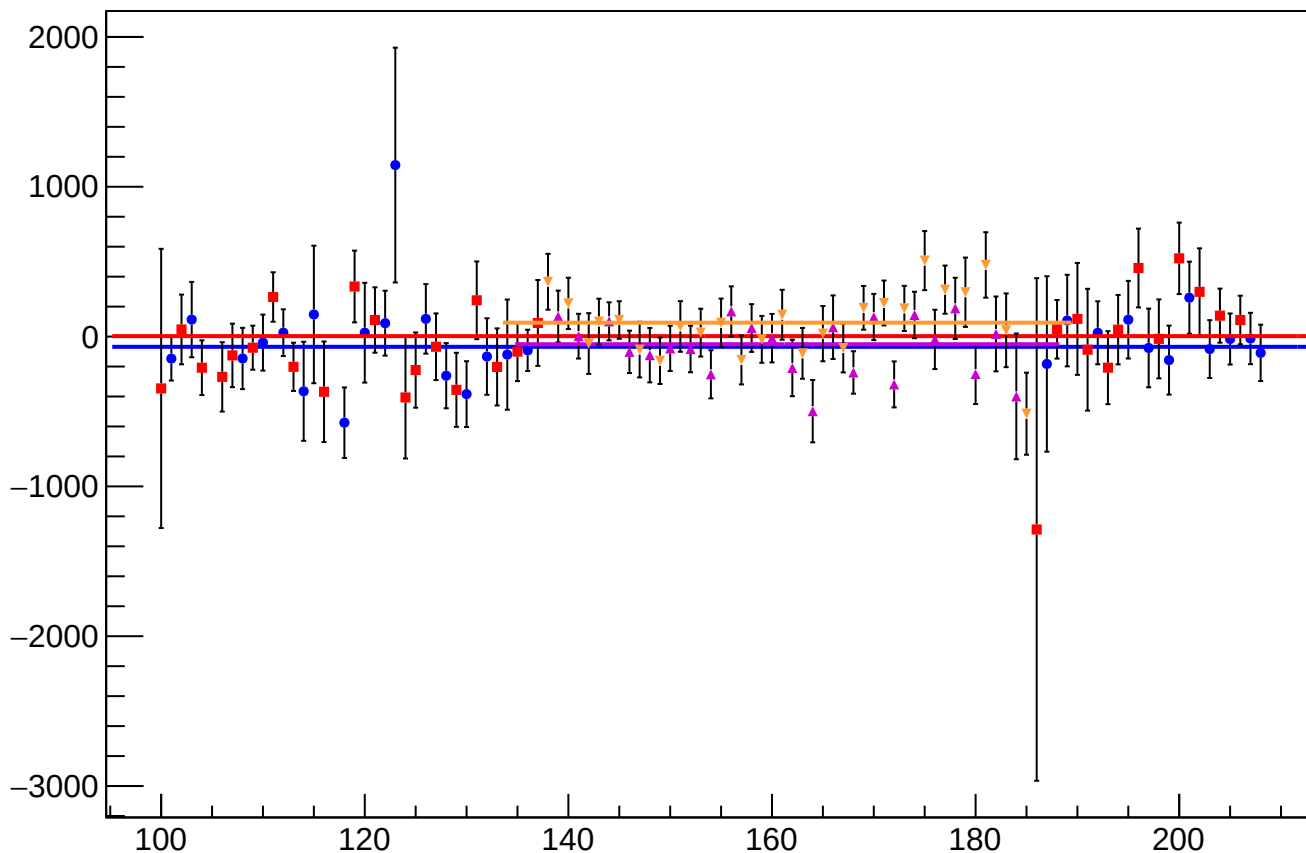
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF: 1688511.2/22

+ sign 615.072 $\pm$ 0.084 χ^2 /NDF: 12130087.3/52

All: 615.406 $\pm$ 0.060 χ^2 /NDF: 25116595.1/10

- sign 615.750 $\pm$ 0.086 χ^2 /NDF: 12986476.0/53

reg_asym_sam_48_avg_mean vs Slug



Right In: -68.374 ± 41.480 χ^2/NDF : 16.9/27

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: 3.005 ± 41.242 χ^2/NDF : 28.3/30

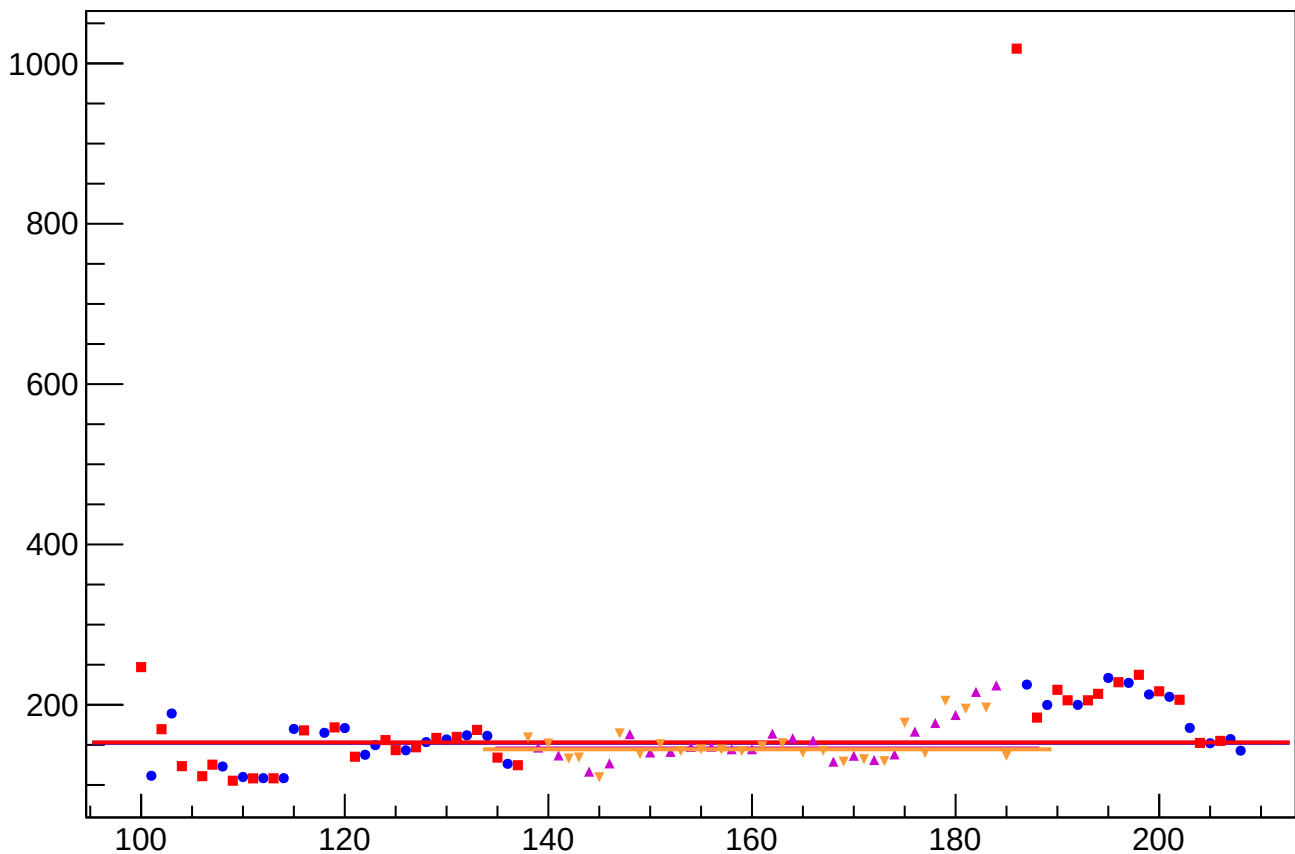
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 28.023 ± 26.320 χ^2/NDF : 55.4/52

All: 0.468 ± 18.782 χ^2/NDF : 110.3/106

- sign -28.120 ± 26.809 χ^2/NDF : 52.7/53

reg_asym_sam_48_avg_rms vs Slug



Right In: 152.593+/-0.029 χ^2/NDF : 1458901.0/27

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 153.056+/-0.029 χ^2/NDF : 2263971.0/30

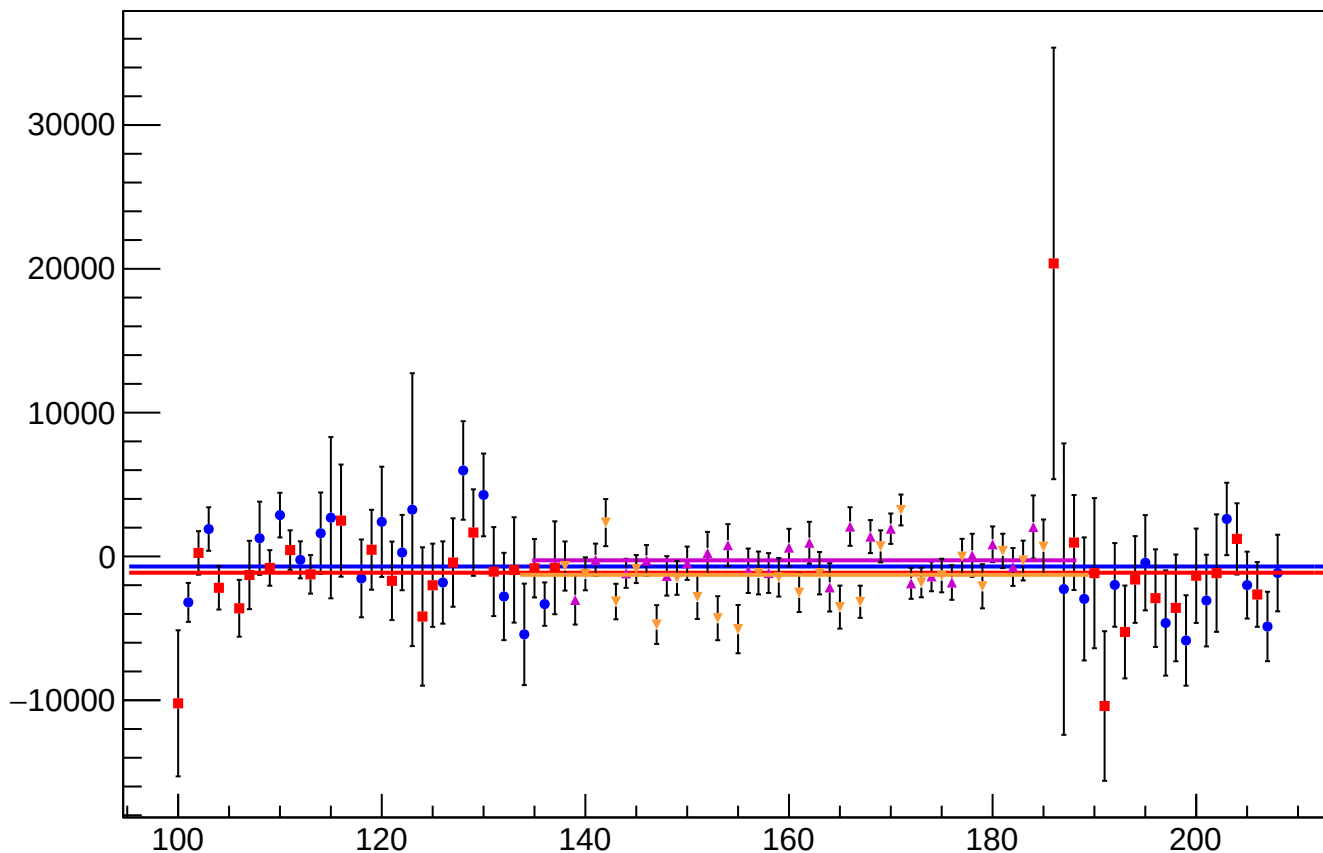
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 147.744+/-0.019 χ^2/NDF : 2175148.2/52

All: 148.219+/-0.013 χ^2/NDF : 5122389.5/106

- sign 148.713+/-0.019 χ^2/NDF : 2945910.3/53

asym_sam_48_avg_correction_mean vs Slug



Right In: -700.354 ± 454.903 χ^2/NDF : 36.6/27

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1132.512 ± 431.919 χ^2/NDF : 19.5/30

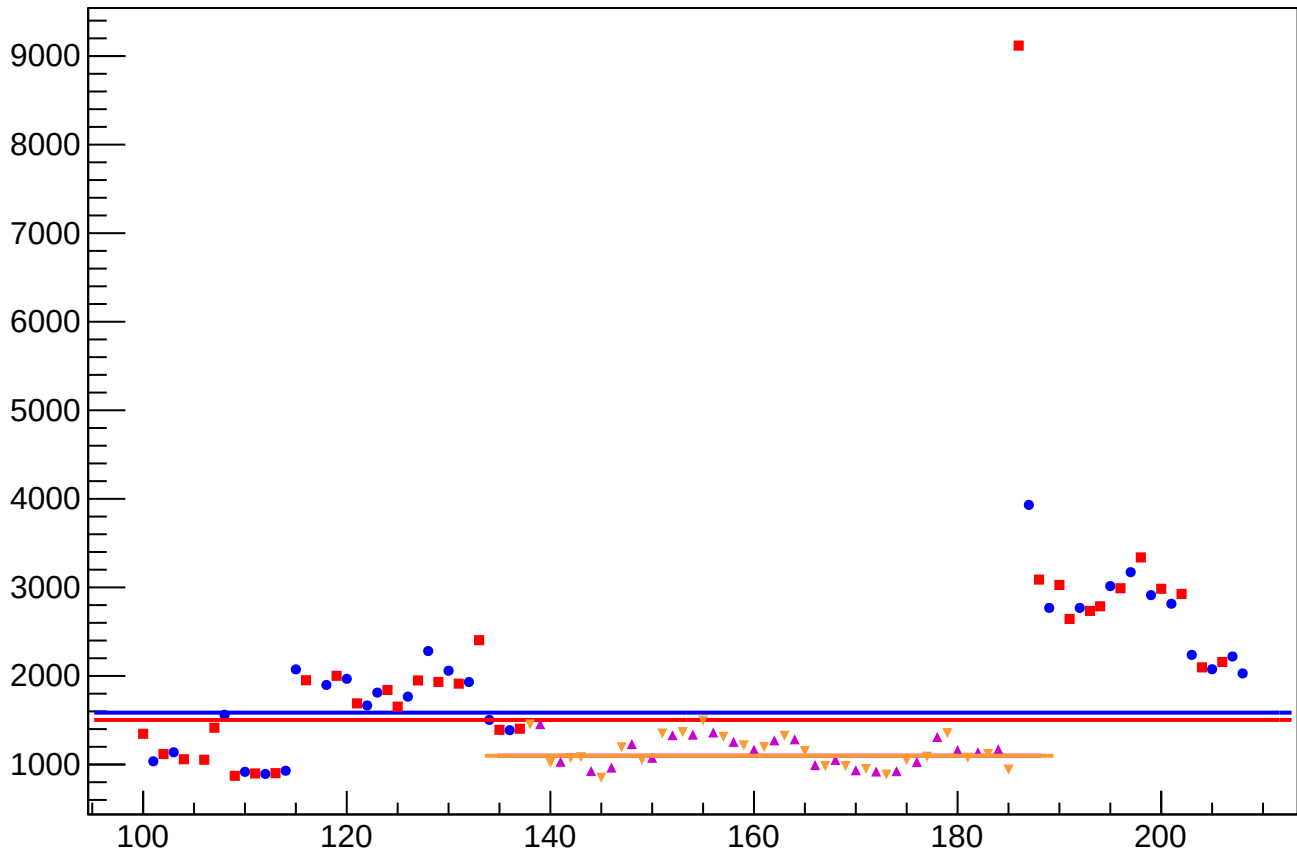
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1137.345 ± 225.272 χ^2/NDF : 93.8/52

All: -824.315 ± 159.775 χ^2/NDF : 144.3/106

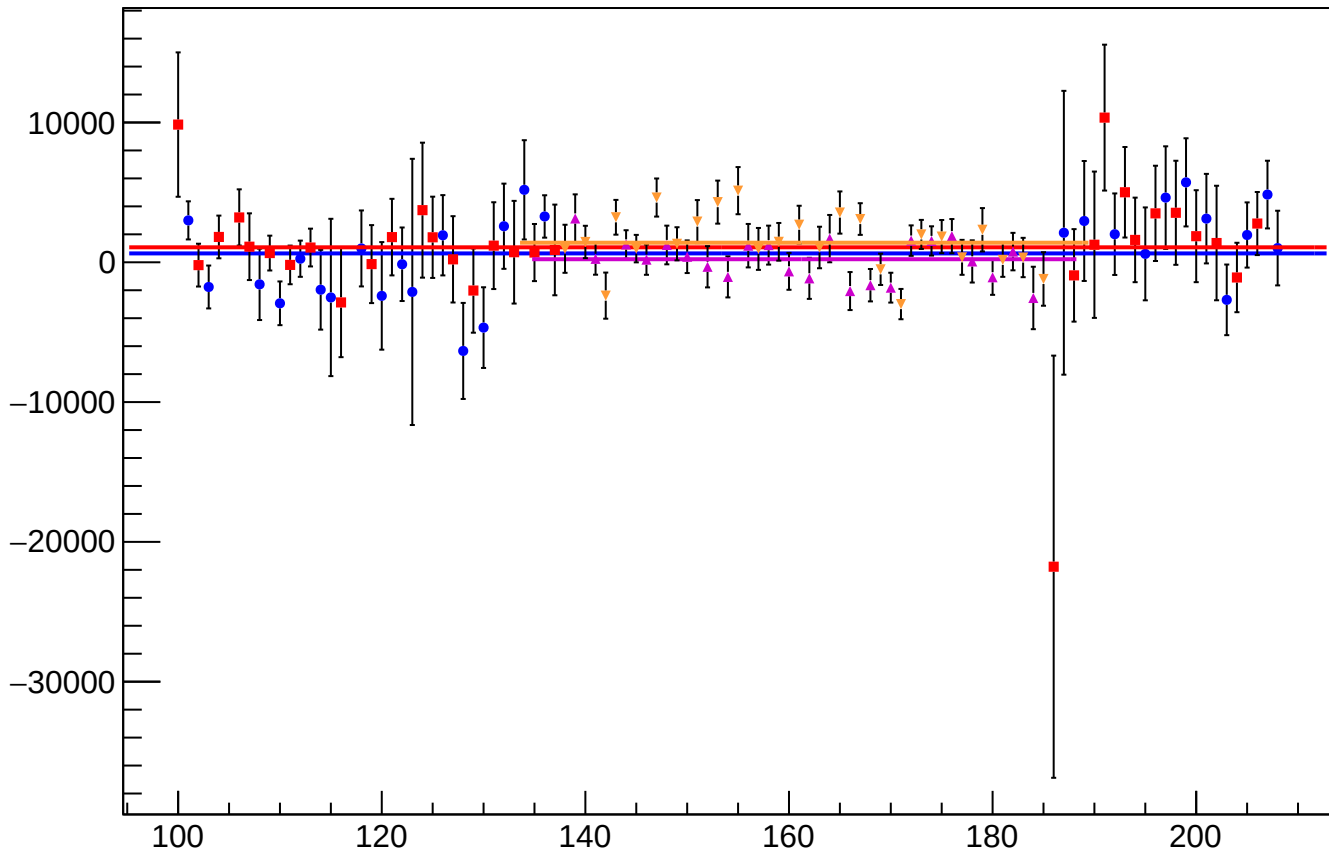
- sign -507.459 ± 226.645 χ^2/NDF : 46.7/53

asym_sam_48_avg_correction_rms vs Slug



Right In: 1585.733+/-0.322	χ^2/NDF : 4241539.0/27	+ sign 1218.294+/-0.159	χ^2/NDF : 6794684.9/52
Left Out: 1098.909+/-0.183	χ^2/NDF : 824328.7/24	All: 1214.570+/-0.113	χ^2/NDF : 14527841.0/101
Right Out: 1503.487+/-0.305	χ^2/NDF : 5784783.2/30	- sign 1210.800+/-0.160	χ^2/NDF : 7732056.2/53
Left In: 1099.585+/-0.188	χ^2/NDF : 679896.1/22		

asym_sam_48_avg_mean vs Slug



Right In: 634.638 $\pm$ 457.442 χ^2 /NDF: 36.3/27

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

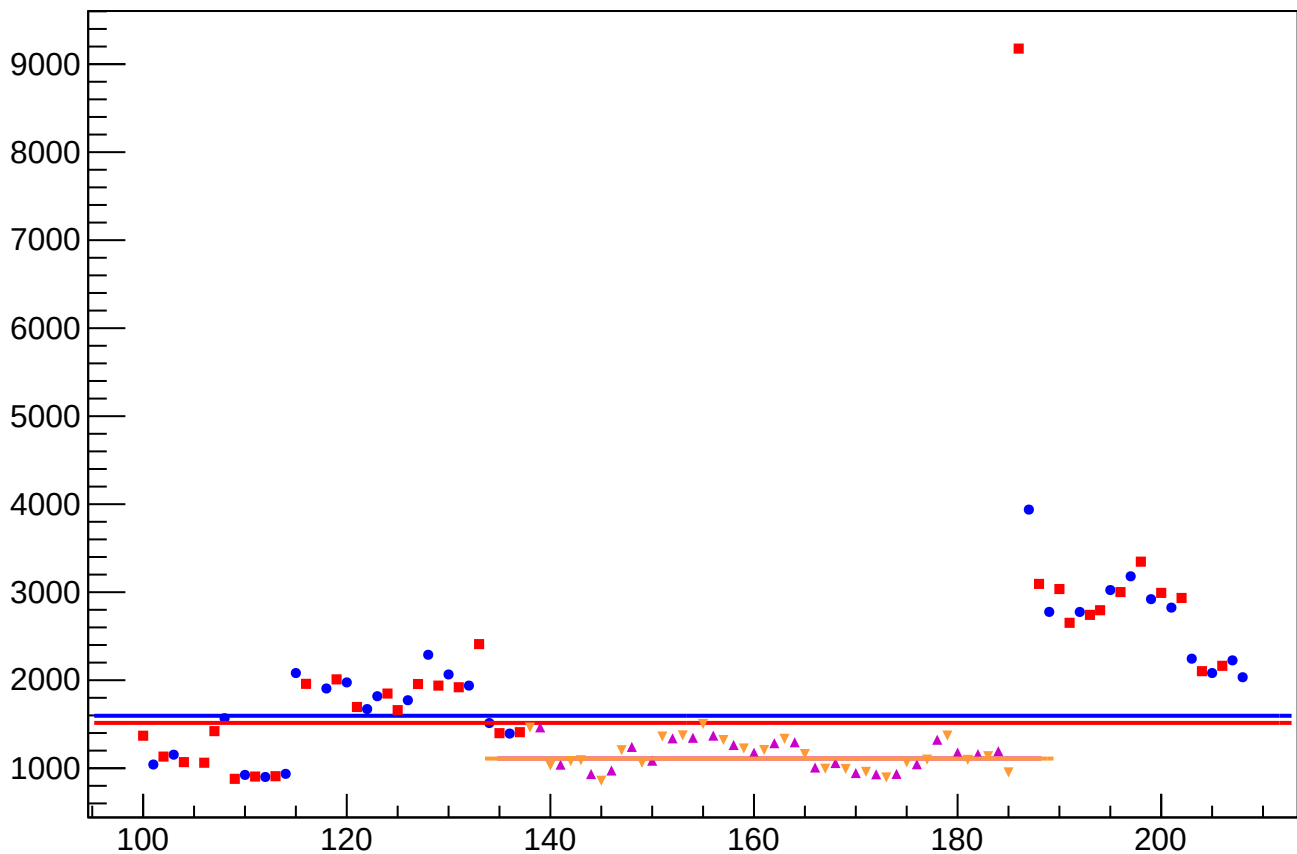
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF:25.0/22

+ sign 1211.504 $\pm$ 227.222 χ^2 /NDF: 90.6/52

All: 835.652 $\pm$ 161.180 χ^2 /NDF: 142.3/106

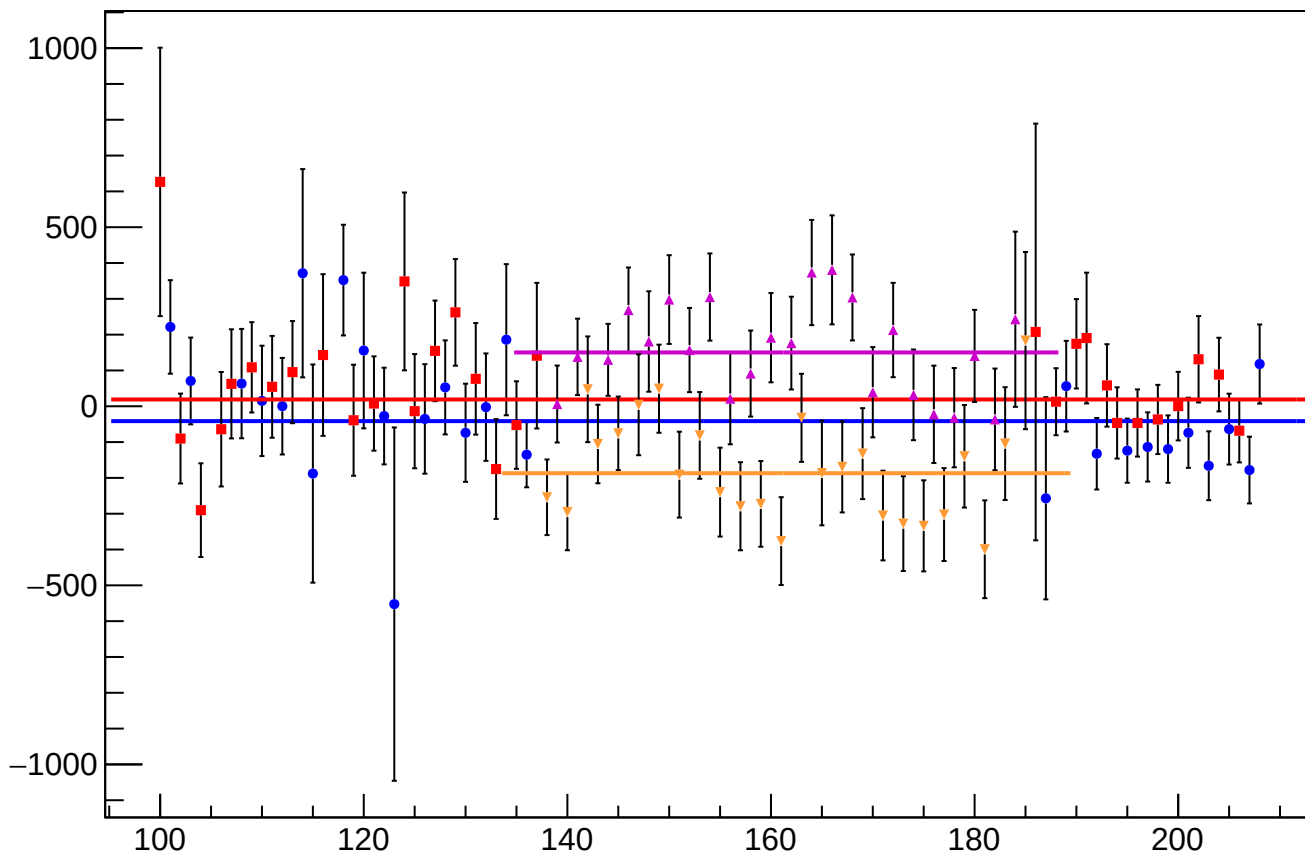
- sign 454.992 $\pm$ 228.670 χ^2 /NDF: 46.1/53

asym_sam_48_avg_rms vs Slug



Right In: 1595.986+/-0.323	χ^2/NDF : 4200034.9/27	+ sign 1229.729+/-0.161	χ^2/NDF : 6714288.1/52
Left Out: 1109.761+/-0.185	χ^2/NDF : 812174.9/24	All: 1226.075+/-0.114	χ^2/NDF : 14369466.5/100
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: -41.480 ± 23.669 χ^2/NDF : 29.3/27

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: 18.950 ± 23.338 χ^2/NDF : 25.1/30

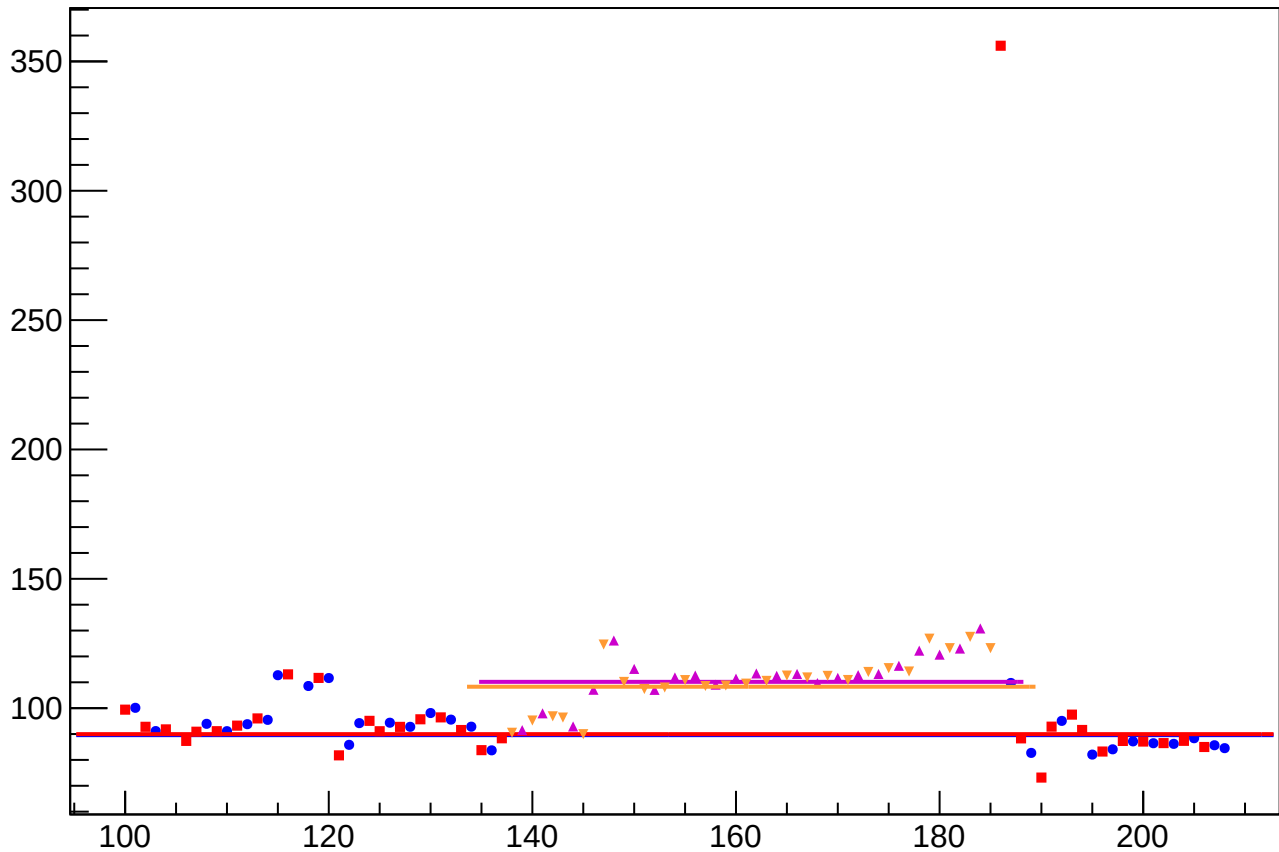
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -109.300 ± 17.287 χ^2/NDF : 73.5/52

All: -17.546 ± 12.298 χ^2/NDF : 190.2/106

- sign 76.467 ± 17.499 χ^2/NDF : 59.6/53

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.570 $\pm$ 0.017 χ^2 /NDF: 161597.7/27

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

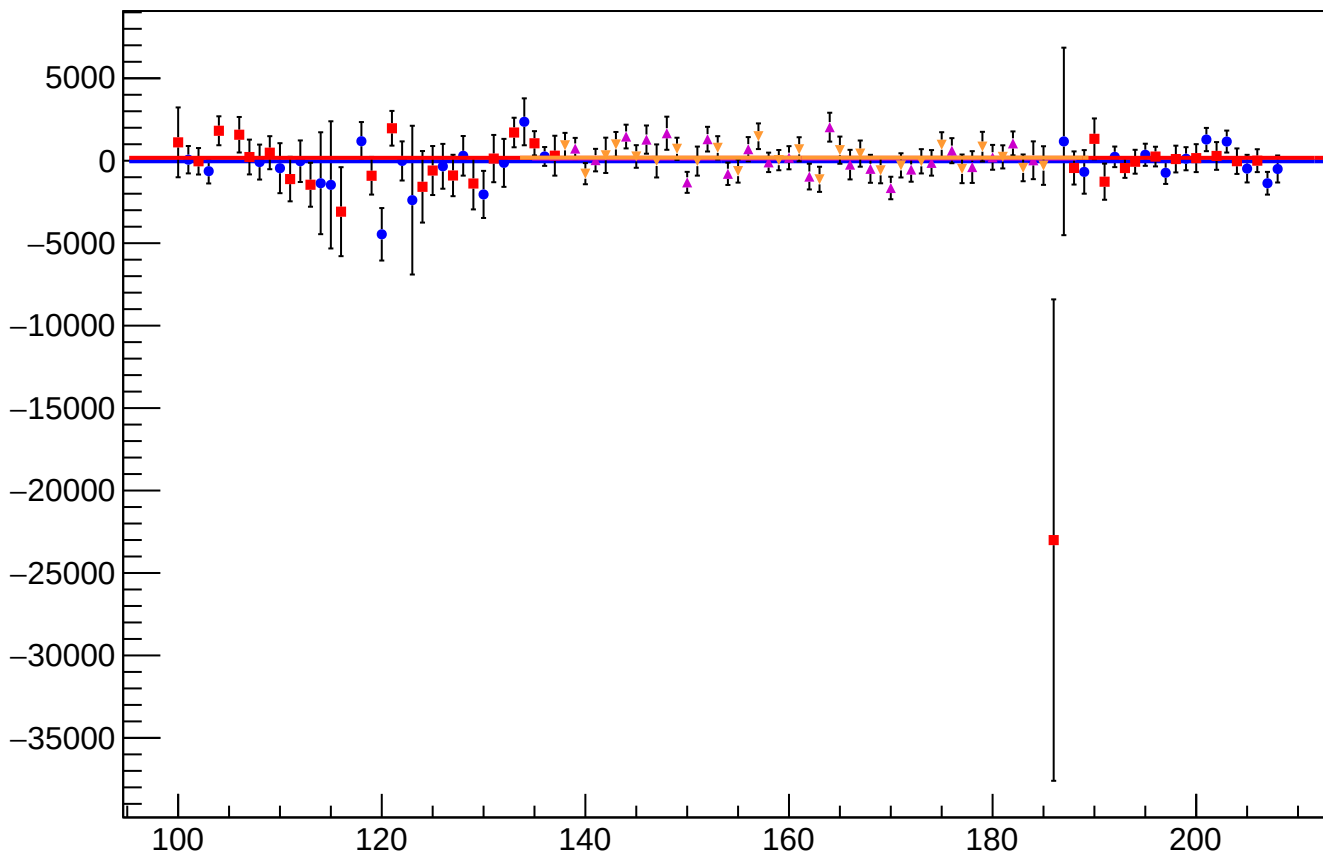
Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

+ sign 98.303 $\pm$ 0.012 χ^2 /NDF: 1075847.9/52

All: 98.554 $\pm$ 0.009 χ^2 /NDF: 2557828.3/106

- sign 98.812 $\pm$ 0.012 χ^2 /NDF: 1481125.6/53

asym_sam_15_dd_correction_mean vs Slug



Right In: -32.945 ± 176.986 χ^2/NDF : 28.4/27

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 176.691 ± 174.563 χ^2/NDF : 27.1/30

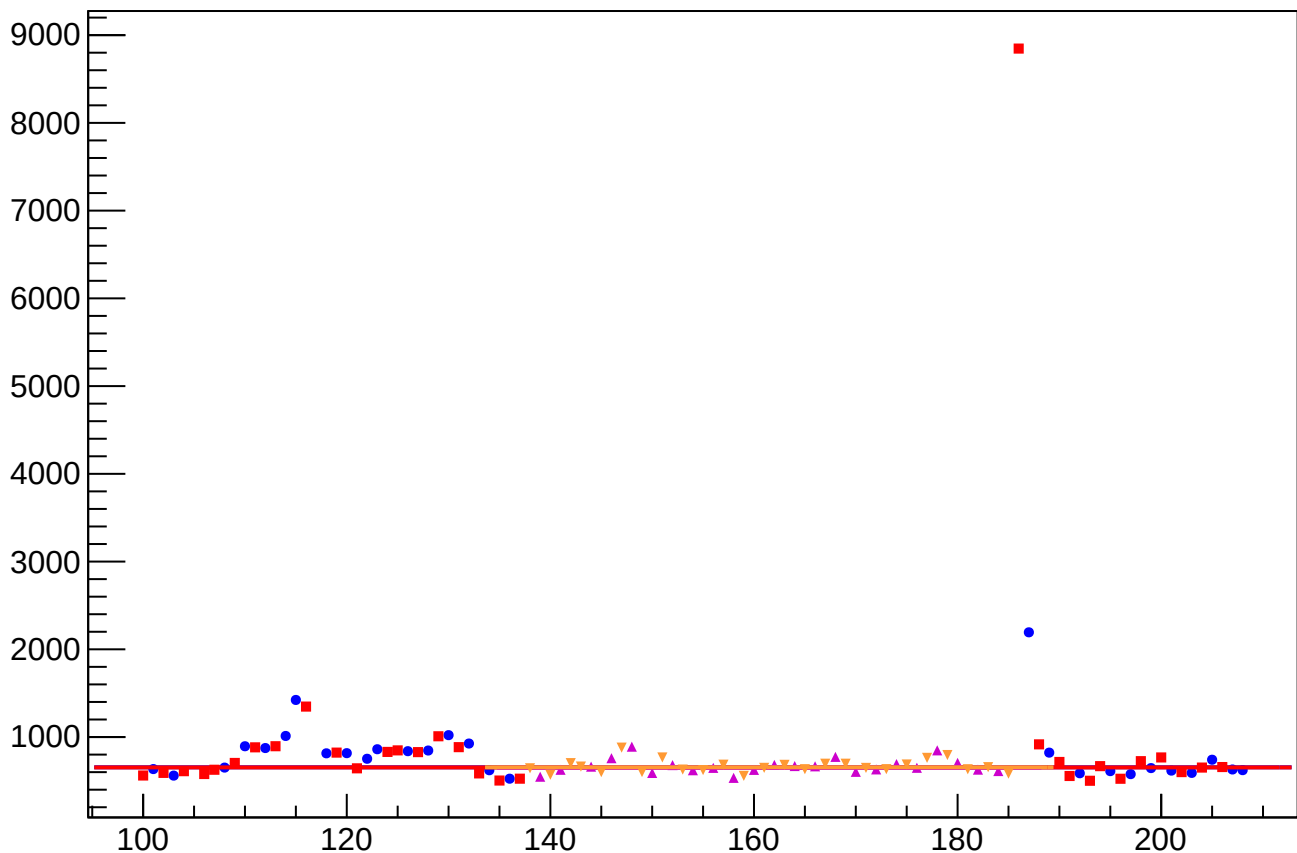
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 91.534 ± 116.041 χ^2/NDF : 47.6/52

All: 120.691 ± 82.319 χ^2/NDF : 111.1/106

- sign 150.229 ± 116.796 χ^2/NDF : 63.4/53

asym_sam_15_dd_correction_rms vs Slug



Right In: 655.309+/-0.125 χ^2/NDF : 1007066.8/27

Left Out: 655.155+/-0.109 χ^2/NDF : 367349.8/24

Right Out: 653.894+/-0.123 χ^2/NDF : 1765691.0/30

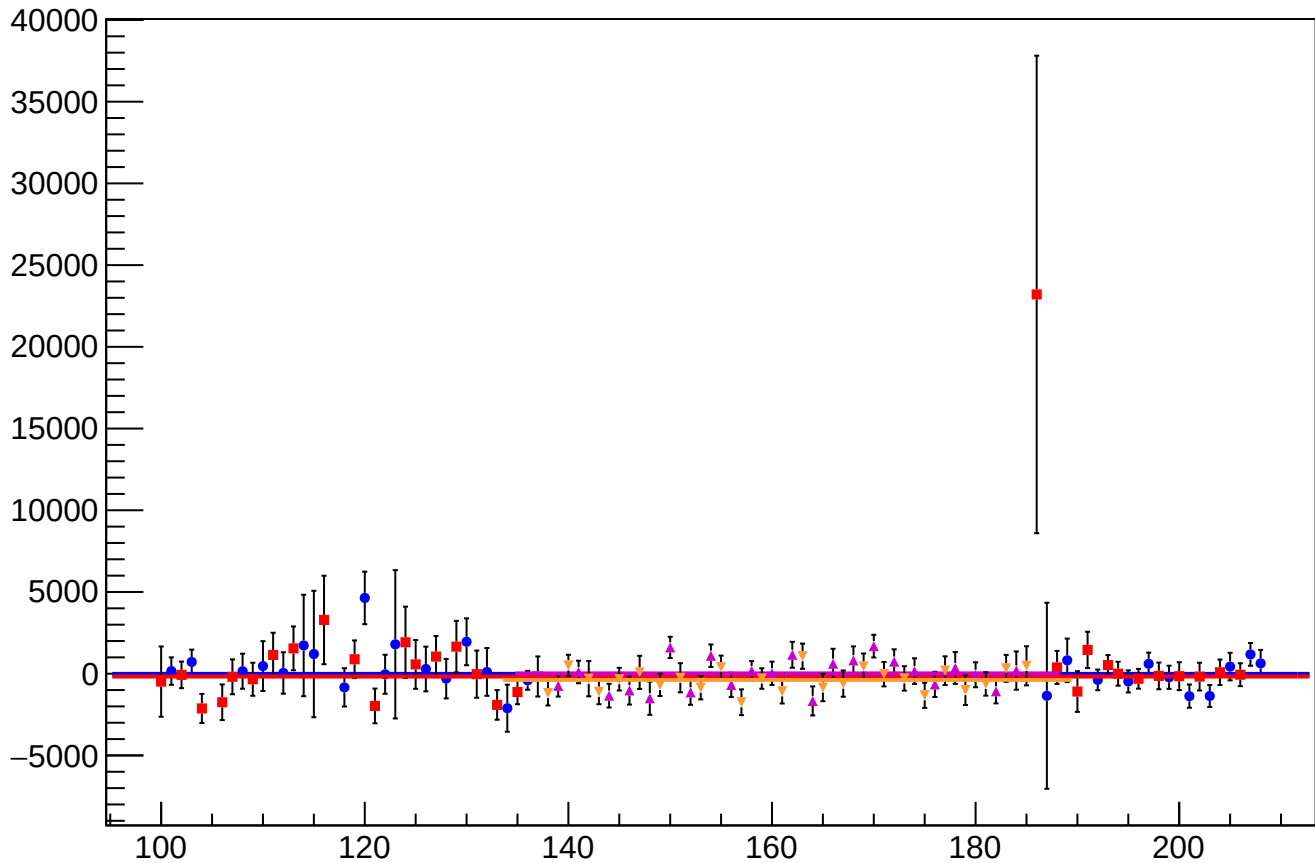
Left In: 650.883+/-0.111 χ^2/NDF : 466116.8/22

+ sign 655.221+/-0.082 χ^2/NDF : 1374417.4/52

All: 653.736+/-0.058 χ^2/NDF : 3607213.6/100

- sign 652.231+/-0.083 χ^2/NDF : 2232136.4/53

asym_sam_15_dd_mean vs Slug



Right In: -11.190 ± 178.782 χ^2/NDF : 28.8/27

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -173.469 ± 176.443 χ^2/NDF : 30.8/30

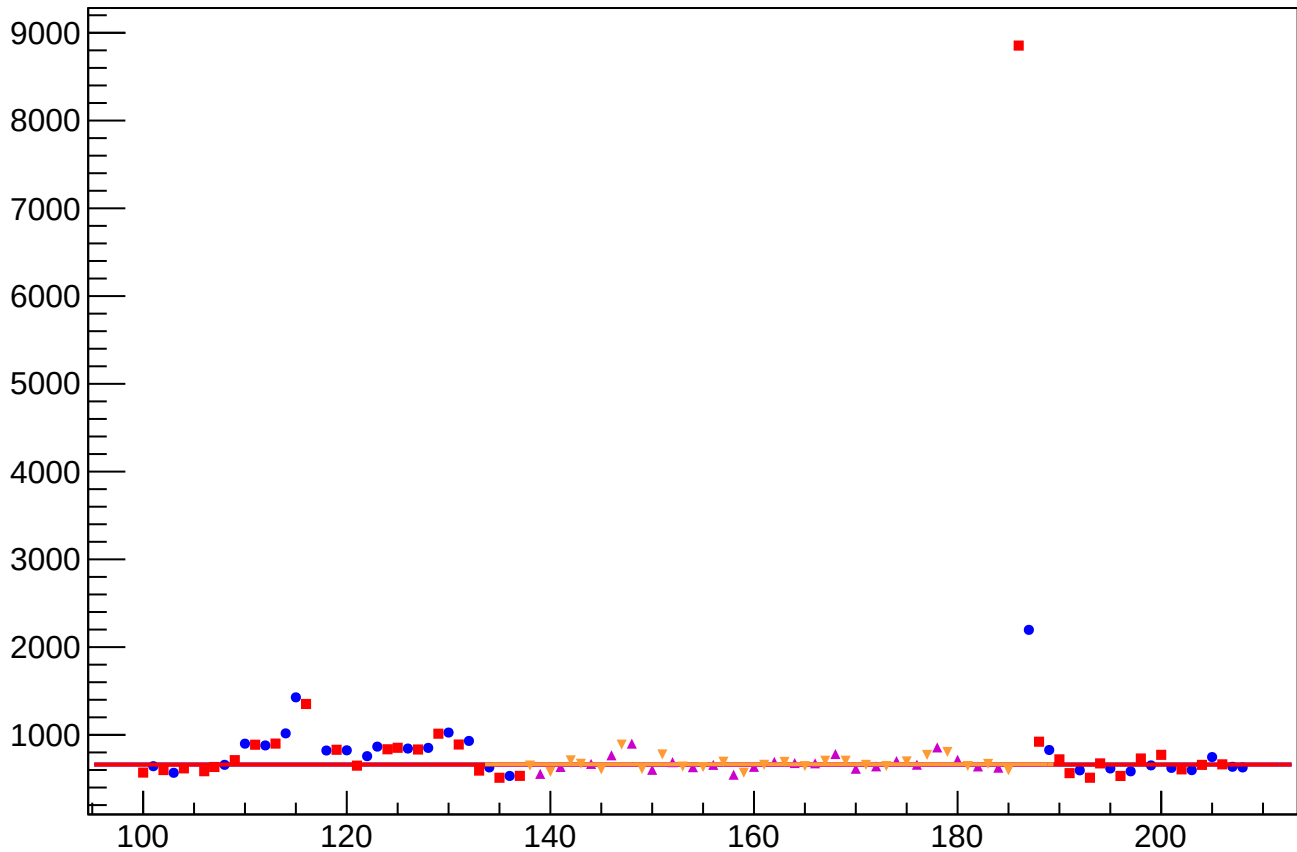
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -220.402 ± 117.497 χ^2/NDF : 50.0/52

All: -145.675 ± 83.375 χ^2/NDF : 119.5/106

- sign -69.889 ± 118.327 χ^2/NDF : 68.6/53

asym_sam_15_dd_rms vs Slug



Right In: 662.364 $\pm$ 0.126 χ^2 /NDF: 984975.6/27

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

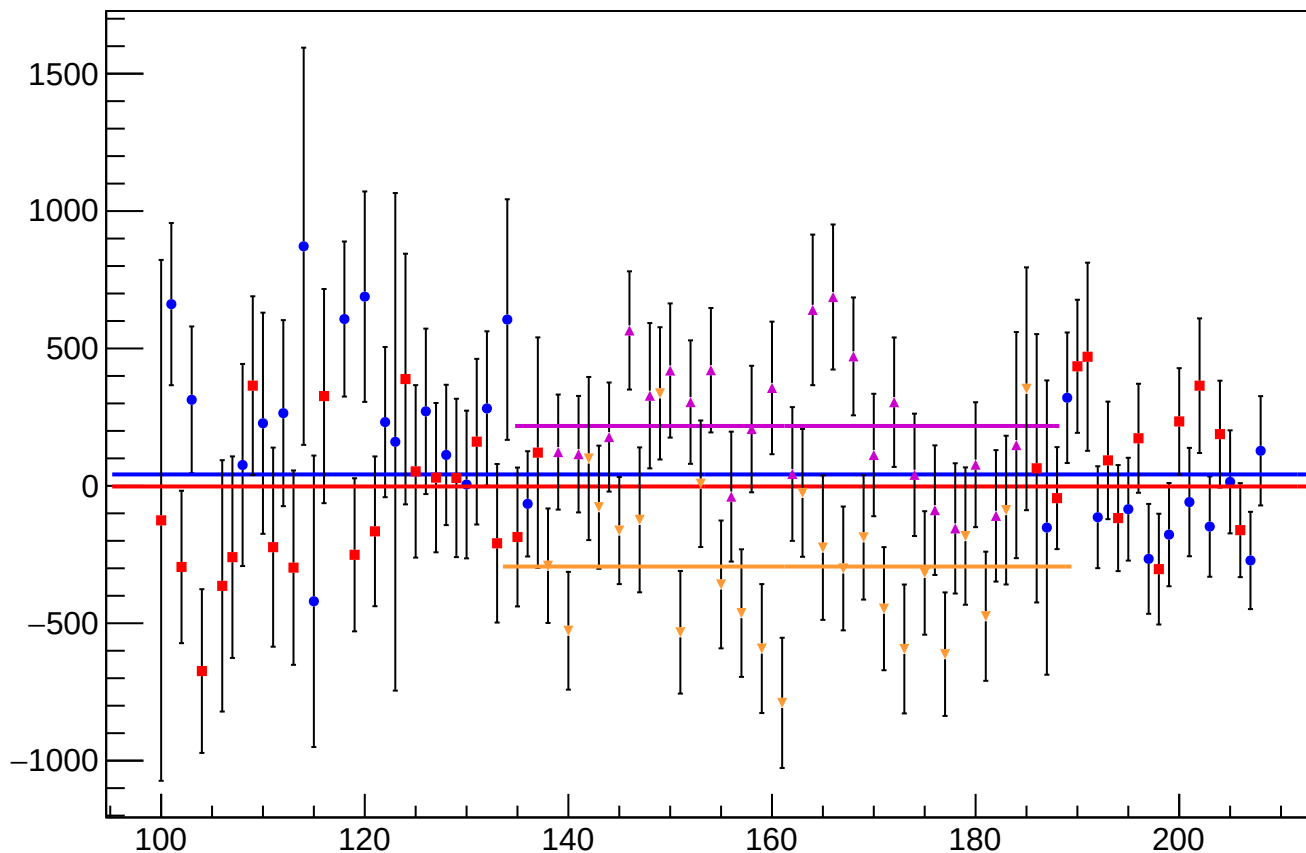
Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

+ sign 663.732 $\pm$ 0.083 χ^2 /NDF: 1342235.6/52

All: 662.464 $\pm$ 0.059 χ^2 /NDF: 3521180.0/100

- sign 661.177 $\pm$ 0.084 χ^2 /NDF: 2178474.7/53

reg_asym_sam_26_dd_mean vs Slug



Right In: 41.582 ± 47.340 χ^2/NDF : 30.0/27

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -2.188 ± 47.565 χ^2/NDF : 28.1/30

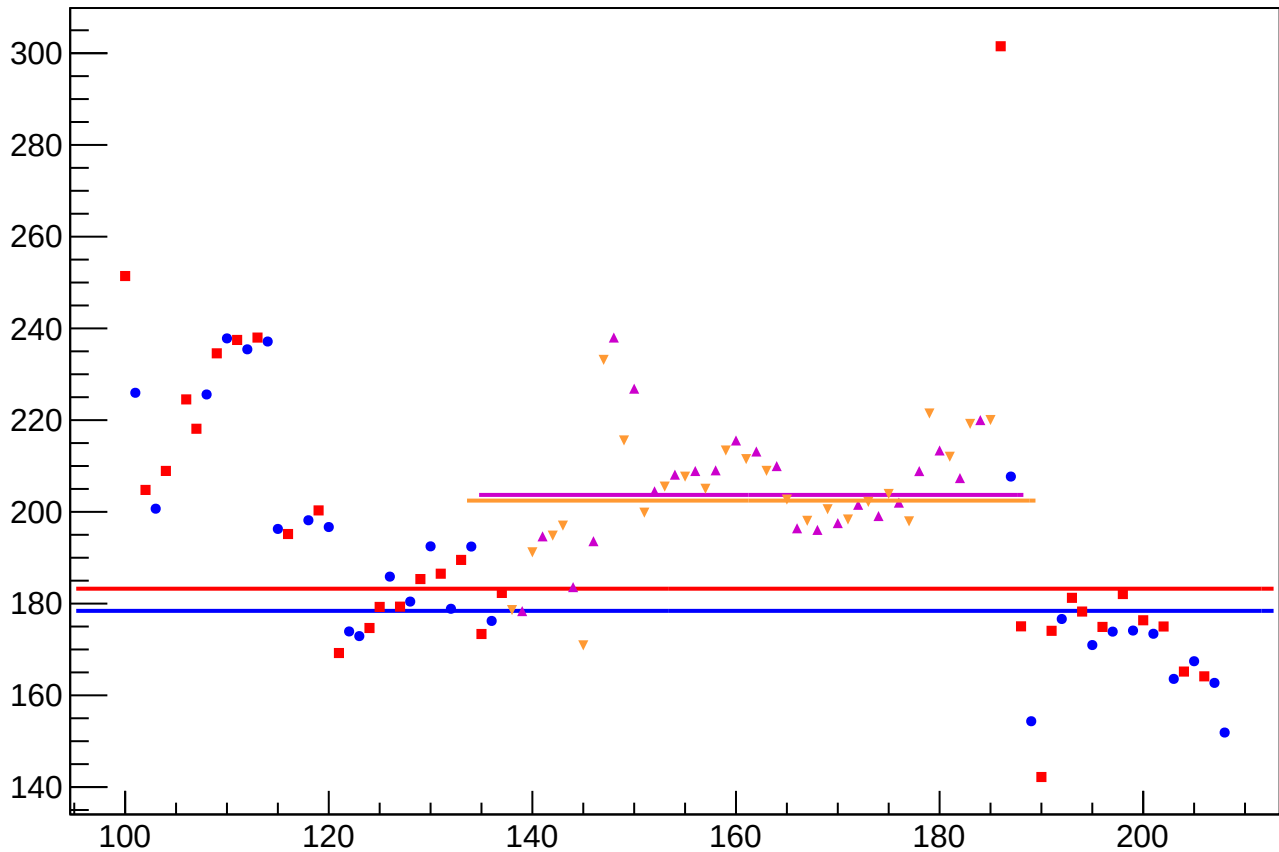
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -126.492 ± 33.426 χ^2/NDF : 85.5/52

All: -12.937 ± 23.859 χ^2/NDF : 168.8/106

- sign 105.024 ± 34.068 χ^2/NDF : 59.8/53

reg_asym_sam_26_dd_rms vs Slug



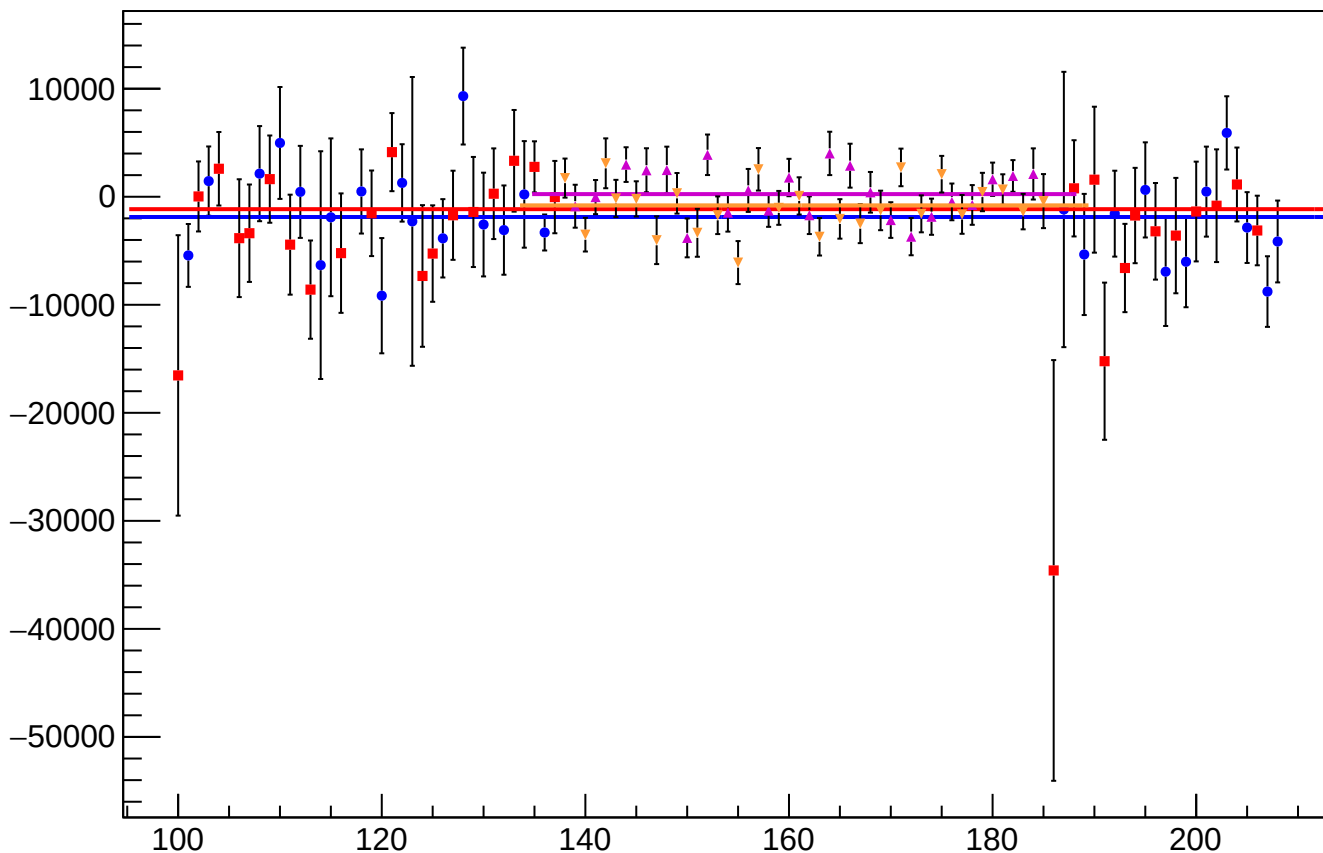
Right In: 178.417 $\pm$ 0.033 χ^2 /NDF: 343278.4/27
 Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24
 Right Out: 183.249 $\pm$ 0.034 χ^2 /NDF: 466951.4/30
 Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 190.473 $\pm$ 0.024 χ^2 /NDF: 760519.9/52

All: 191.814 $\pm$ 0.017 χ^2 /NDF: 1550262.8/106

- sign 193.208 $\pm$ 0.024 χ^2 /NDF: 783174.4/53

asym_sam_26_dd_correction_mean vs Slug



Right In: -1875.100 ± 735.084 χ^2/NDF : 29.4/27

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1148.827 ± 767.923 χ^2/NDF : 25.3/30

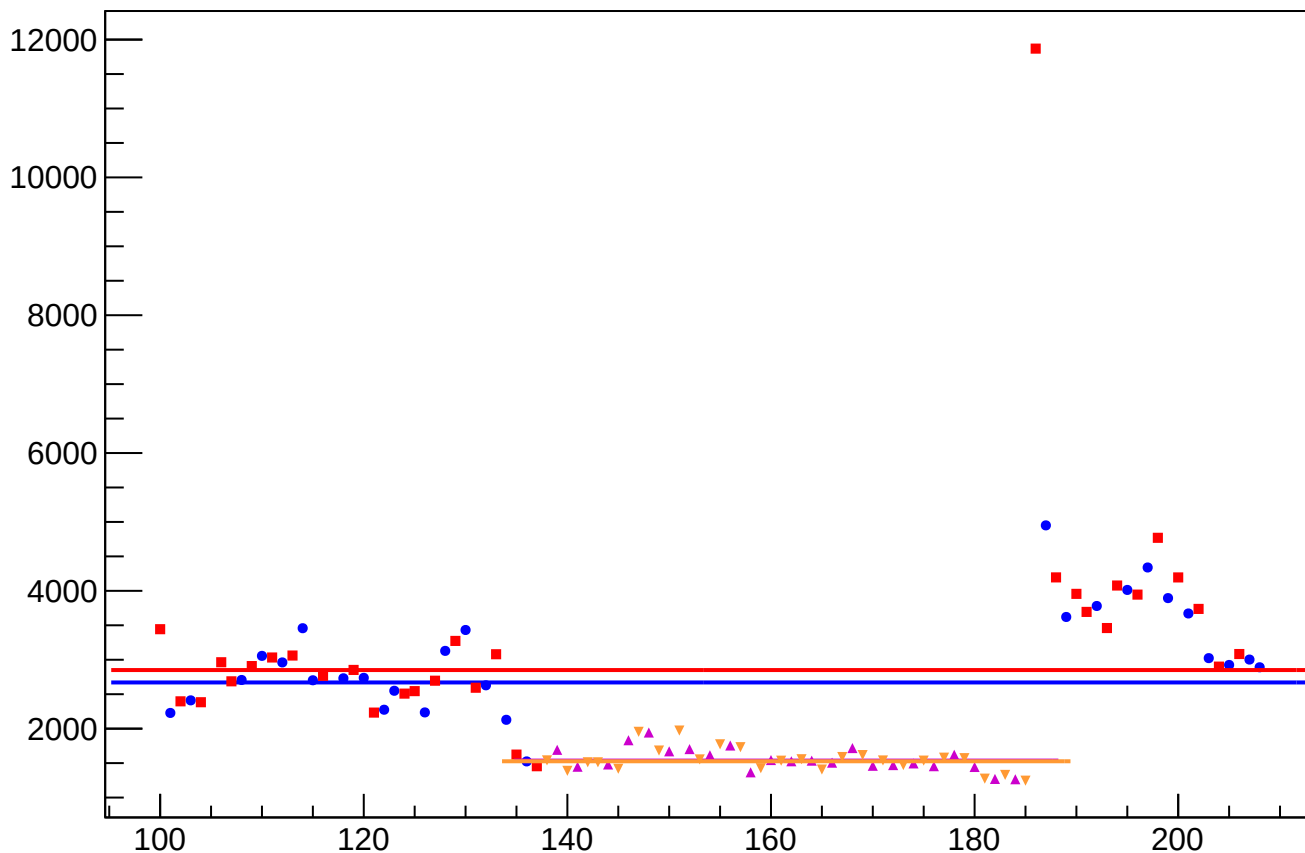
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -1003.168 ± 321.750 χ^2/NDF : 66.9/52

All: -527.509 ± 231.459 χ^2/NDF : 135.1/106

- sign -17.351 ± 333.214 χ^2/NDF : 63.7/53

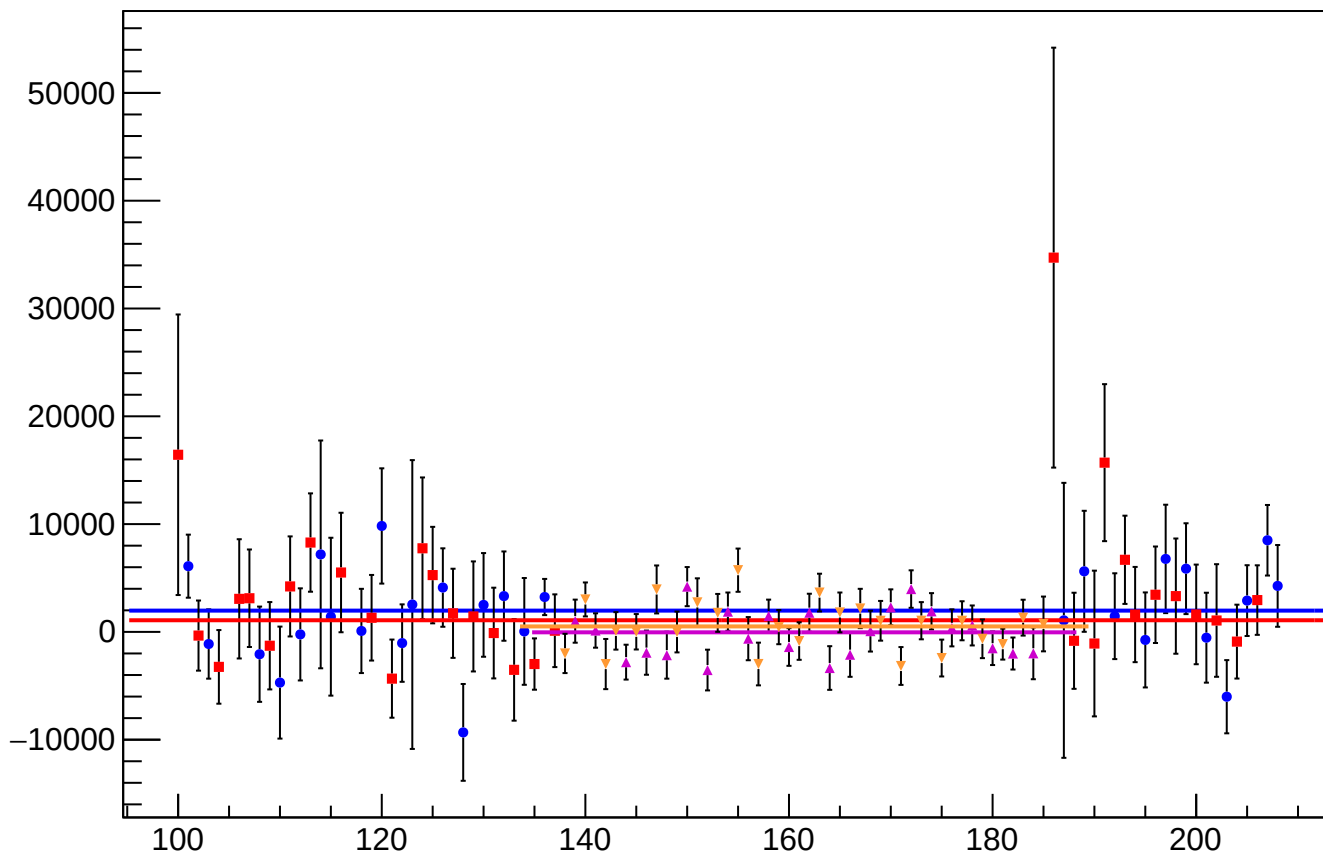
asym_sam_26_dd_correction_rms vs Slug



Right In: 2670.503 $\pm$ 0.520 χ^2 /NDF: 2216090.4/27
 Left Out: 1526.712 $\pm$ 0.253 χ^2 /NDF:394892.7/24
 Right Out: 2850.468 $\pm$ 0.543 χ^2 /NDF: 2587175.3/30
 Left In: 1536.538 $\pm$ 0.262 χ^2 /NDF:350373.3/22

+ sign 1745.846 $\pm$ 0.228 χ^2 /NDF: 6525550.0/52
 All: 1764.221 $\pm$ 0.164 χ^2 /NDF: 14229354.1/100
 - sign 1783.929 $\pm$ 0.236 χ^2 /NDF: 7690285.3/53

asym_sam_26_dd_mean vs Slug



Right In: 1974.221 ± 737.520 χ^2/NDF : 29.4/27

Left Out: 507.982 ± 361.172 χ^2/NDF : 35.4/24

Right Out: 1079.845 ± 770.329 χ^2/NDF : 26.0/30

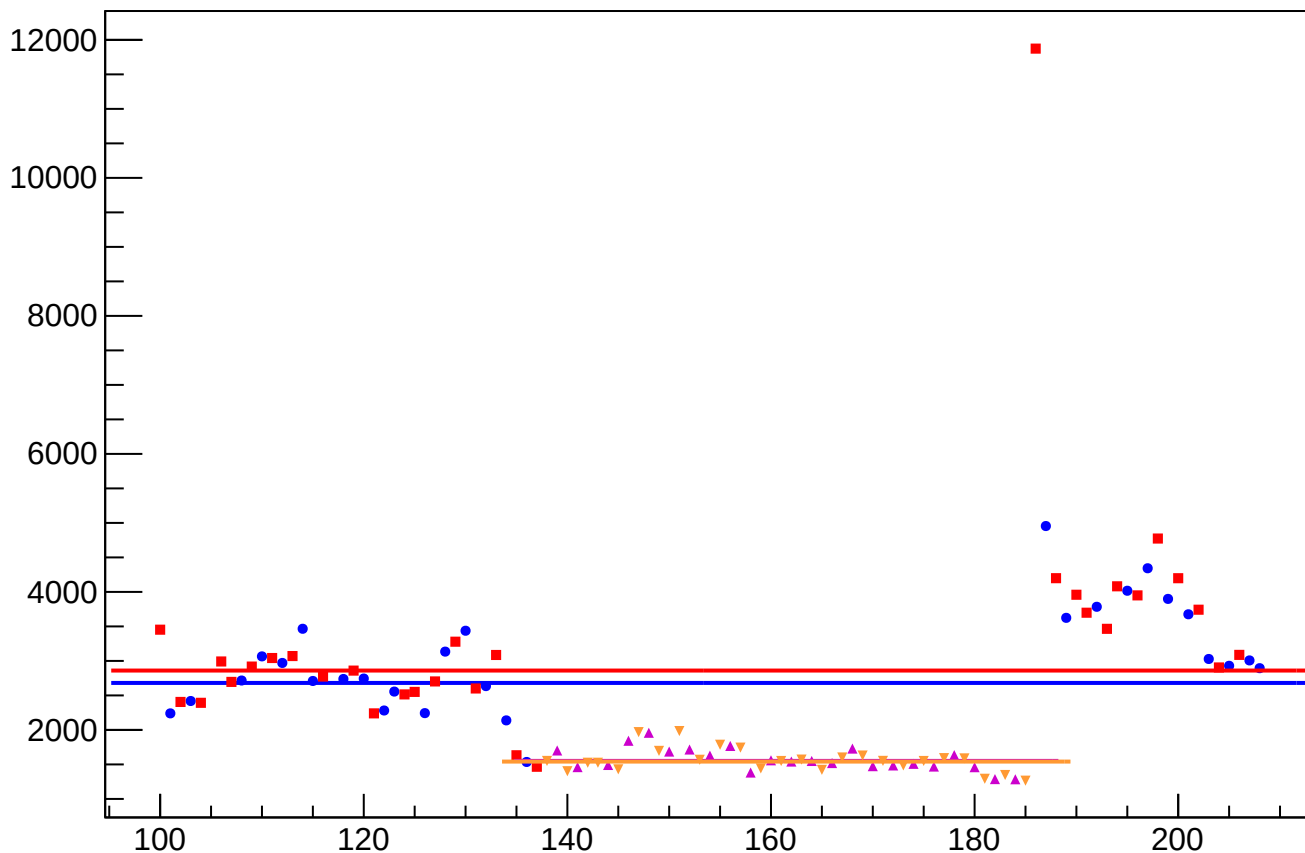
Left In: -40.080 ± 373.261 χ^2/NDF : 33.6/22

+ sign 791.596 ± 324.366 χ^2/NDF : 68.0/52

All: 493.041 ± 233.334 χ^2/NDF : 131.0/106

- sign 172.867 ± 335.905 χ^2/NDF : 61.3/53

asym_sam_26_dd_rms vs Slug



Right In: 2680.990+/-0.522 χ^2/NDF : 2185424.9/27

Left Out: 1541.258+/-0.255 χ^2/NDF : 382045.4/24

Right Out: 2860.461+/-0.545 χ^2/NDF : 2562073.5/30

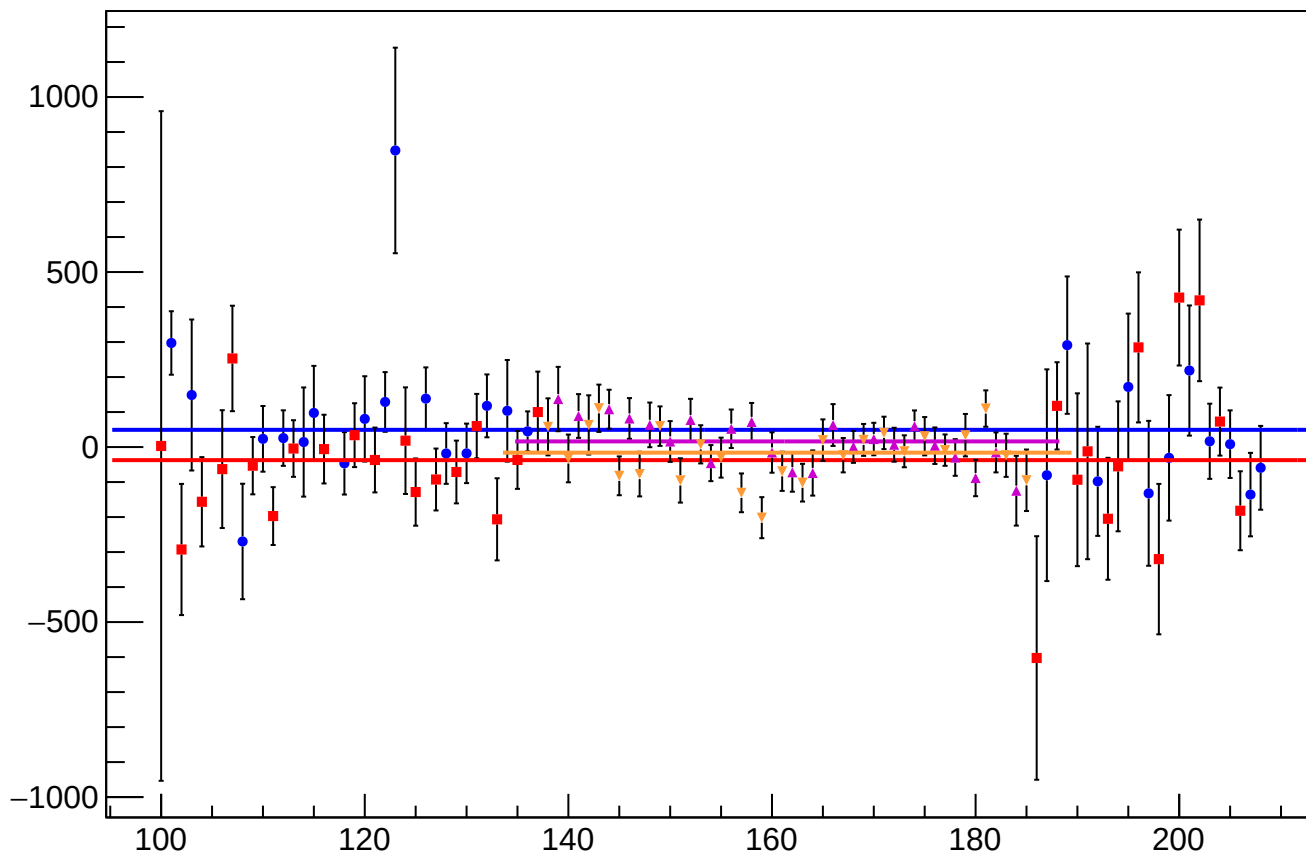
Left In: 1551.063+/-0.264 χ^2/NDF : 338898.9/22

+ sign 1761.717+/-0.229 χ^2/NDF : 6419855.8/52

All: 1780.207+/-0.165 χ^2/NDF : 14014109.2/100

- sign 1800.036+/-0.238 χ^2/NDF : 7580784.5/53

reg_asym_sam_37_dd_mean vs Slug



Right In: 49.213 ± 20.921 χ^2/NDF : 32.5/27

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -37.374 ± 21.270 χ^2/NDF : 39.0/30

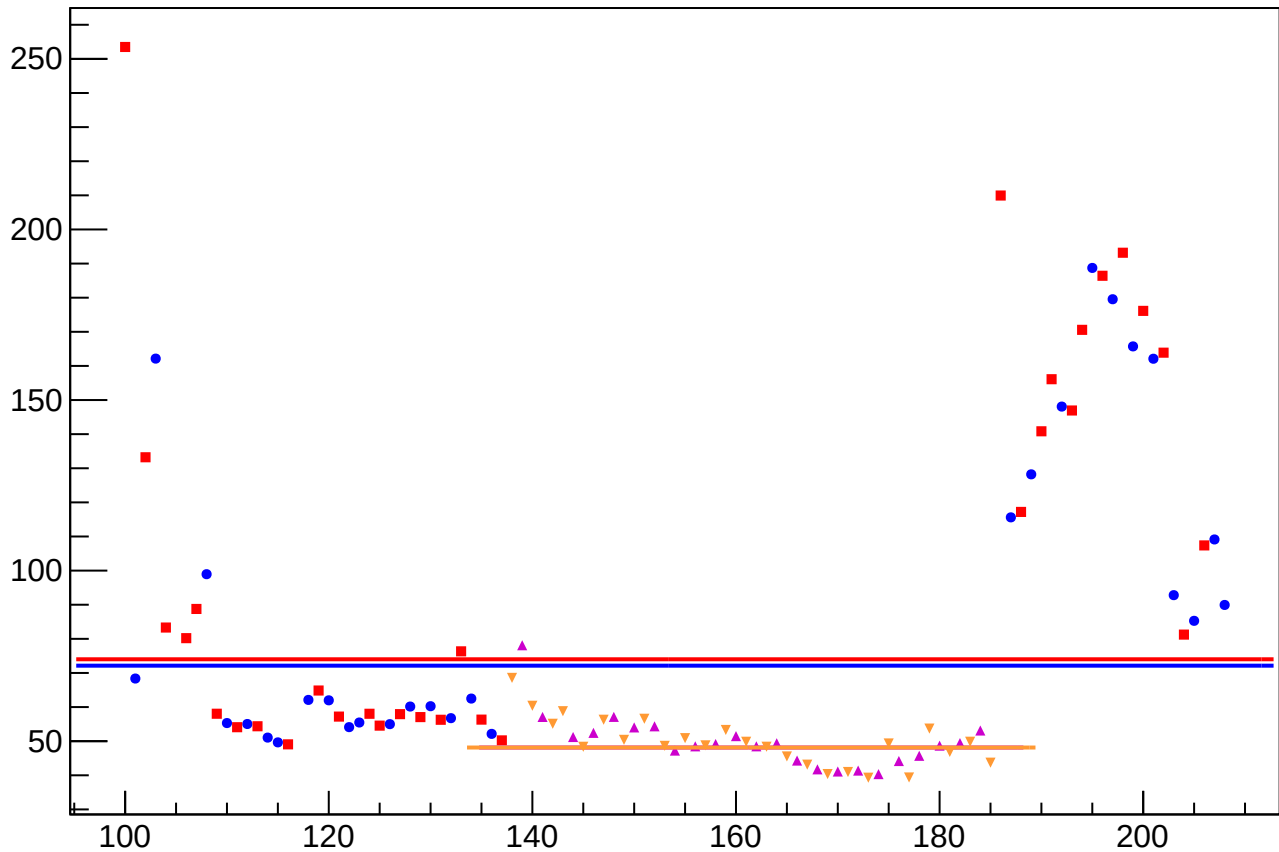
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -1.230 ± 9.970 χ^2/NDF : 79.6/52

All: 1.227 ± 7.136 χ^2/NDF : 148.9/106

- sign 3.808 ± 10.217 χ^2/NDF : 69.2/53

reg_asym_sam_37_dd_rms vs Slug



Right In: 72.136 $\pm$ 0.015 χ^2 /NDF: 4452803.6/27

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 74.009 $\pm$ 0.015 χ^2 /NDF: 5255142.8/30

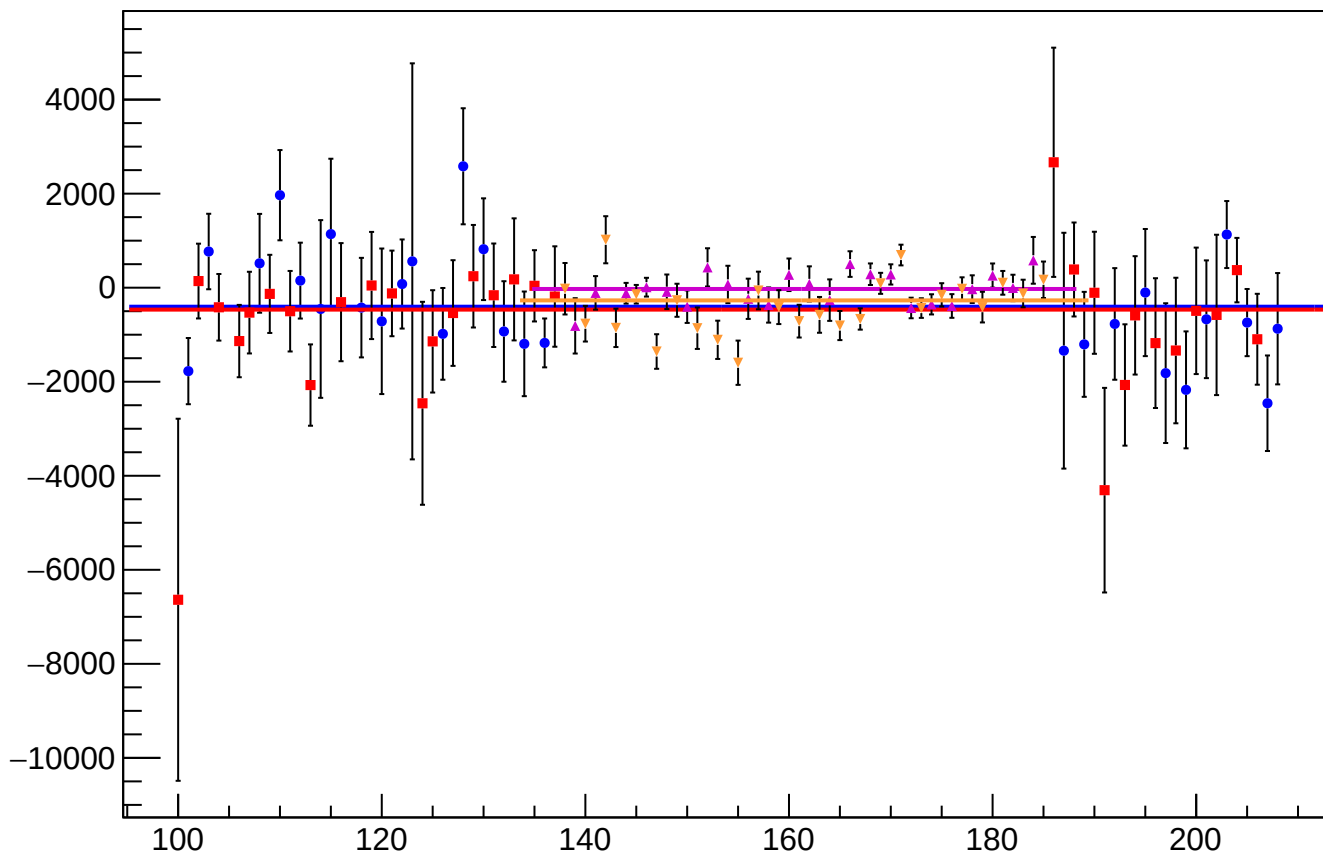
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 53.590 $\pm$ 0.007 χ^2 /NDF: 7141526.5/52

All: 53.843 $\pm$ 0.005 χ^2 /NDF: 15250359.7/106

- sign 54.109 $\pm$ 0.007 χ^2 /NDF: 8106185.9/53

asym_sam_37_dd_correction_mean vs Slug



Right In: -404.404 ± 189.804 χ^2/NDF : 37.9/27

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -466.334 ± 187.675 χ^2/NDF : 20.0/30

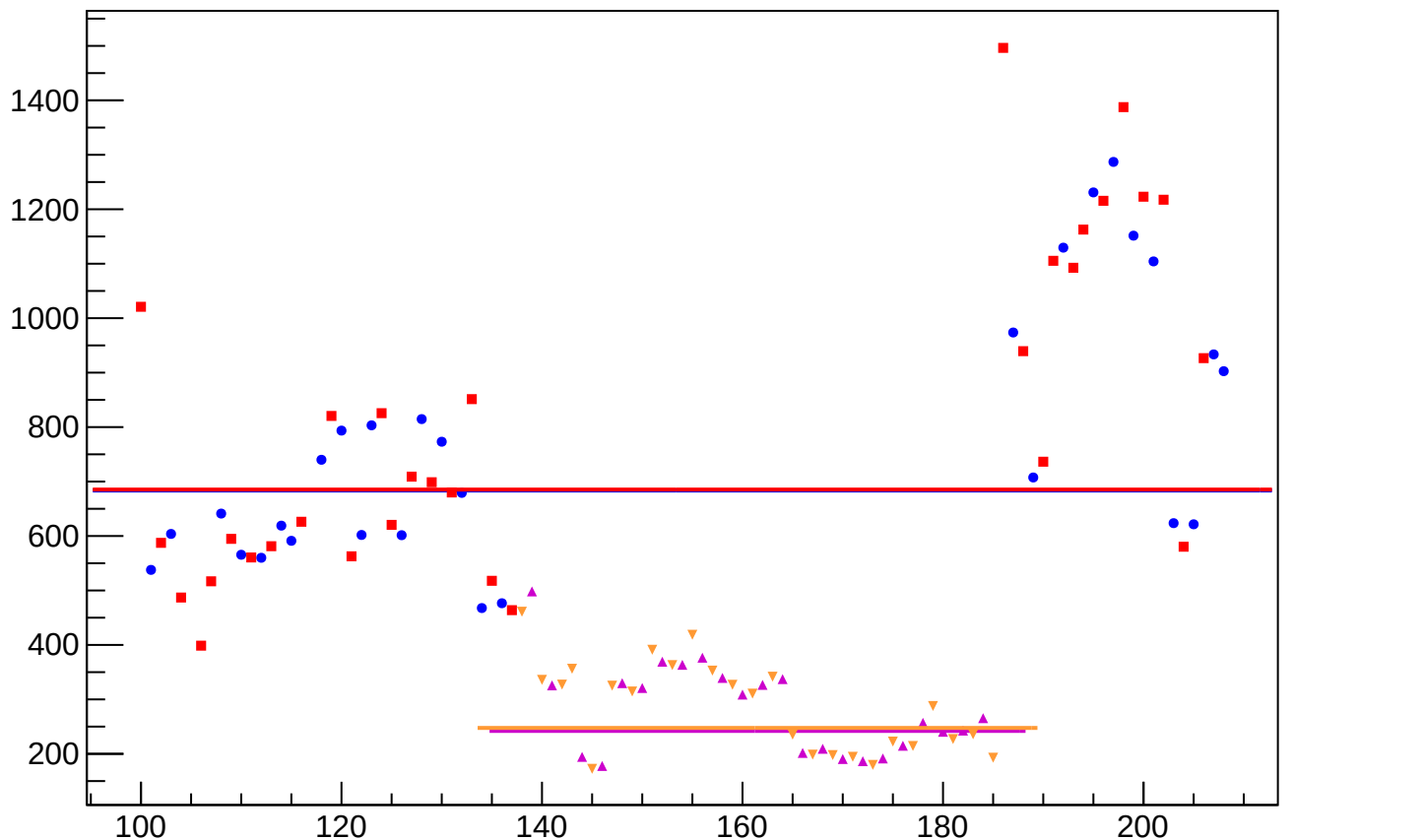
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -282.470 ± 57.363 χ^2/NDF : 108.4/52

All: -175.789 ± 40.618 χ^2/NDF : 165.4/106

- sign -68.517 ± 57.522 χ^2/NDF : 50.0/53

asym_sam_37_dd_correction_rms vs Slug



Right In: 683.583+/-0.134 χ^2/NDF : 2365255.8/27

Left Out: 247.570+/-0.043 χ^2/NDF : 2780931.0/24

Right Out: 685.295+/-0.133 χ^2/NDF : 3260563.1/30

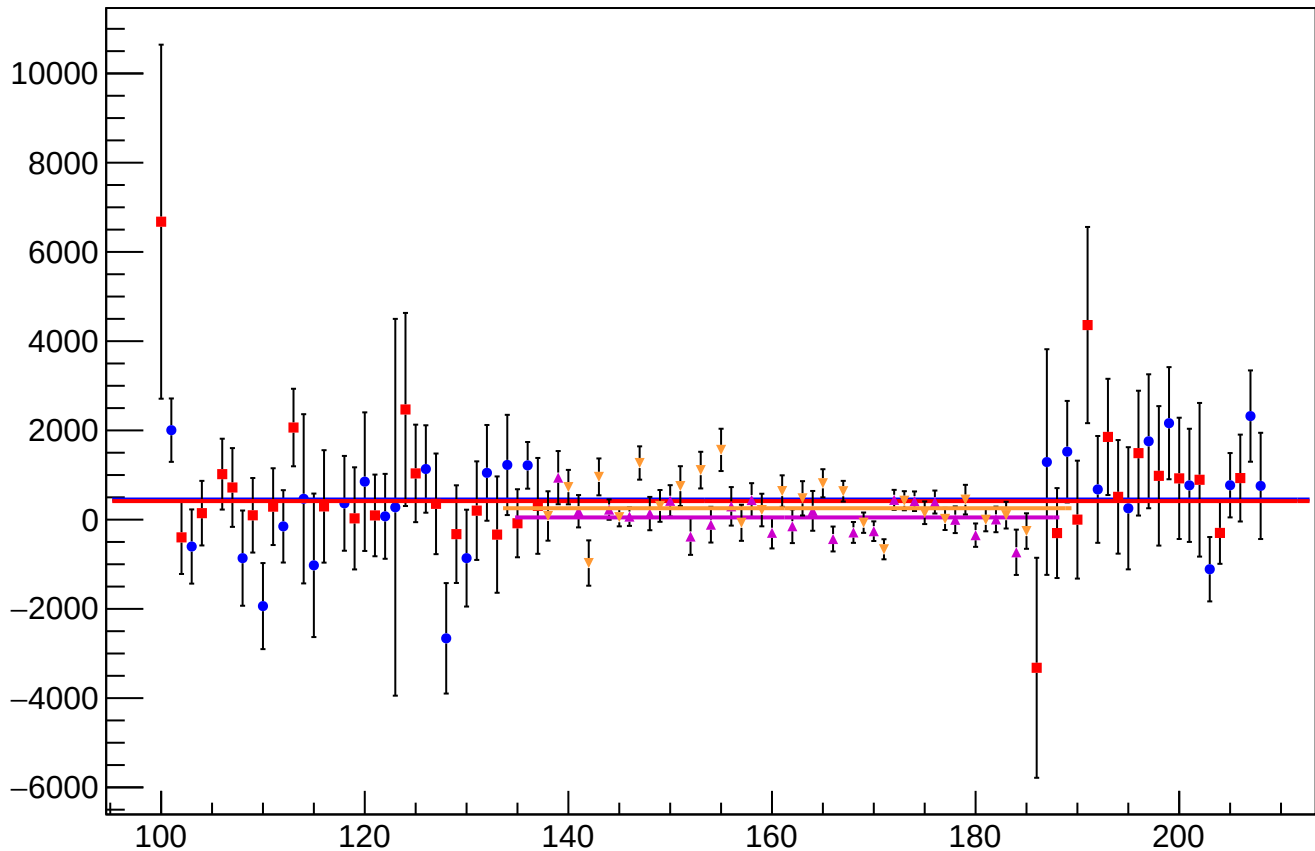
Left In: 242.117+/-0.043 χ^2/NDF : 2466108.9/22

+ sign 287.395+/-0.041 χ^2/NDF : 14736179.0/52

All: 285.577+/-0.029 χ^2/NDF : 30571791.9/10

- sign 283.749+/-0.041 χ^2/NDF : 15831584.0/53

asym_sam_37_dd_mean vs Slug



Right In: 451.367 $\pm$ 191.560 χ^2/NDF : 38.9/27

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

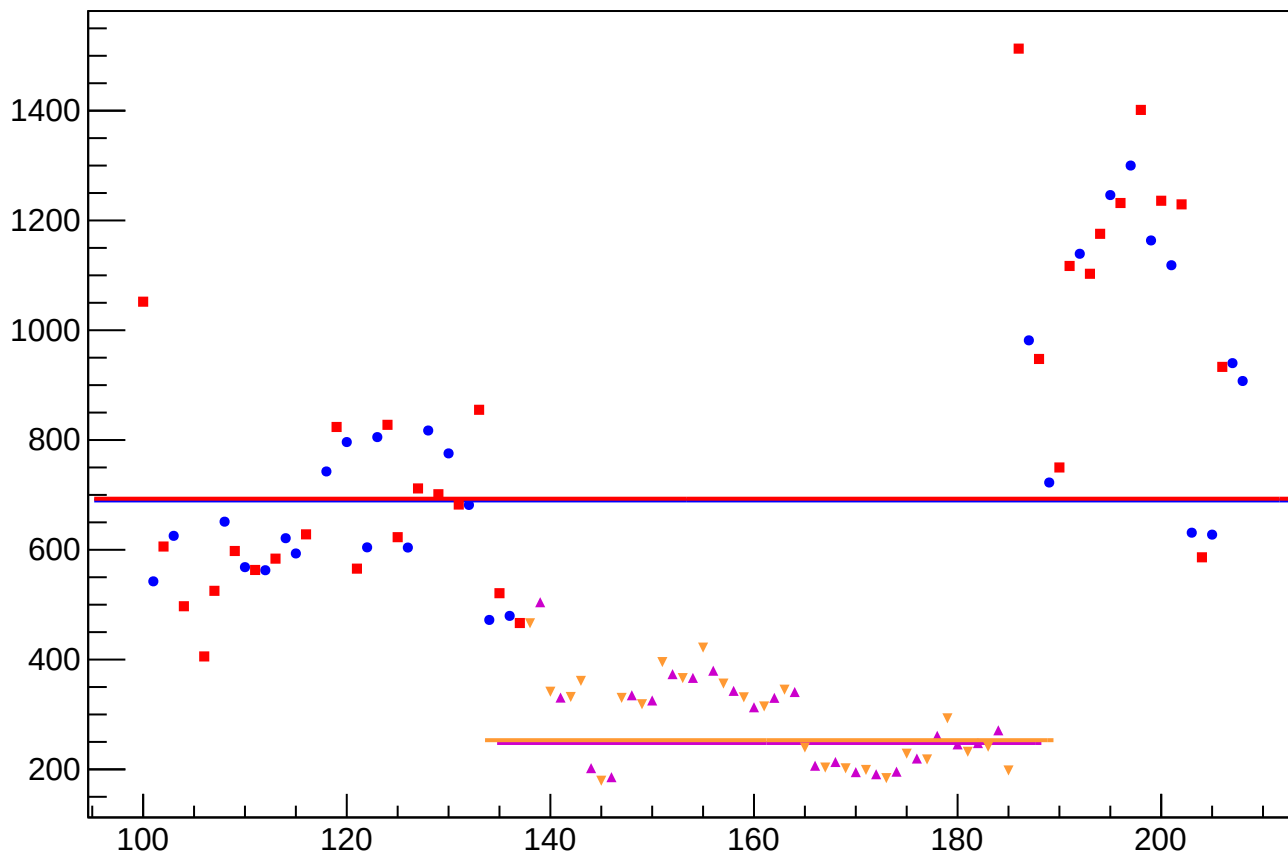
Left In: 49.832 $\pm$ 61.781 χ^2/NDF : 27.5/22

+ sign 274.207 $\pm$ 58.486 χ^2/NDF : 103.4/52

All: 179.966 $\pm$ 41.448 χ^2/NDF : 160.0/106

- sign 84.884 $\pm$ 58.746 χ^2/NDF : 51.3/53

asym_sam_37_dd_rms vs Slug



Right In: 689.917 ± 0.135 χ^2/NDF : 2368820.5/27

Left Out: 253.137 ± 0.043 χ^2/NDF : 2665975.8/24

Right Out: 693.084 ± 0.134 χ^2/NDF : 3233580.9/30

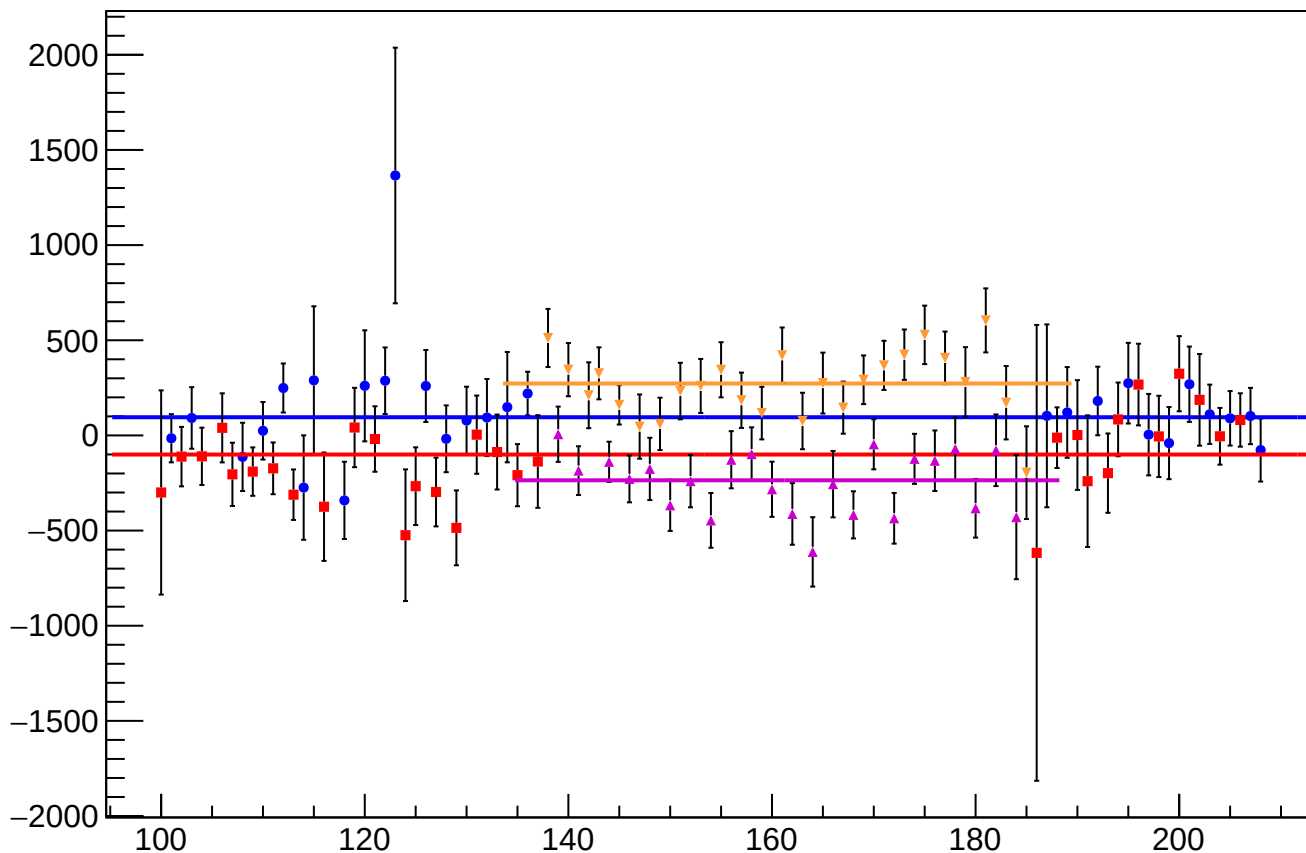
Left In: 248.069 ± 0.044 χ^2/NDF : 2343295.0/22

+ sign 293.852 ± 0.041 χ^2/NDF : 14463438.2/52

All: 292.290 ± 0.029 χ^2/NDF : 29987160.7/10

- sign 290.713 ± 0.042 χ^2/NDF : 15520856.0/53

reg_asym_sam_48_dd_mean vs Slug



Right In: 95.495 ± 34.228 $\chi^2/\text{NDF}: 21.5/27$

Left Out: 272.684 ± 29.221 $\chi^2/\text{NDF}: 27.4/24$

Right Out: -100.441 ± 33.670 $\chi^2/\text{NDF}: 27.2/30$

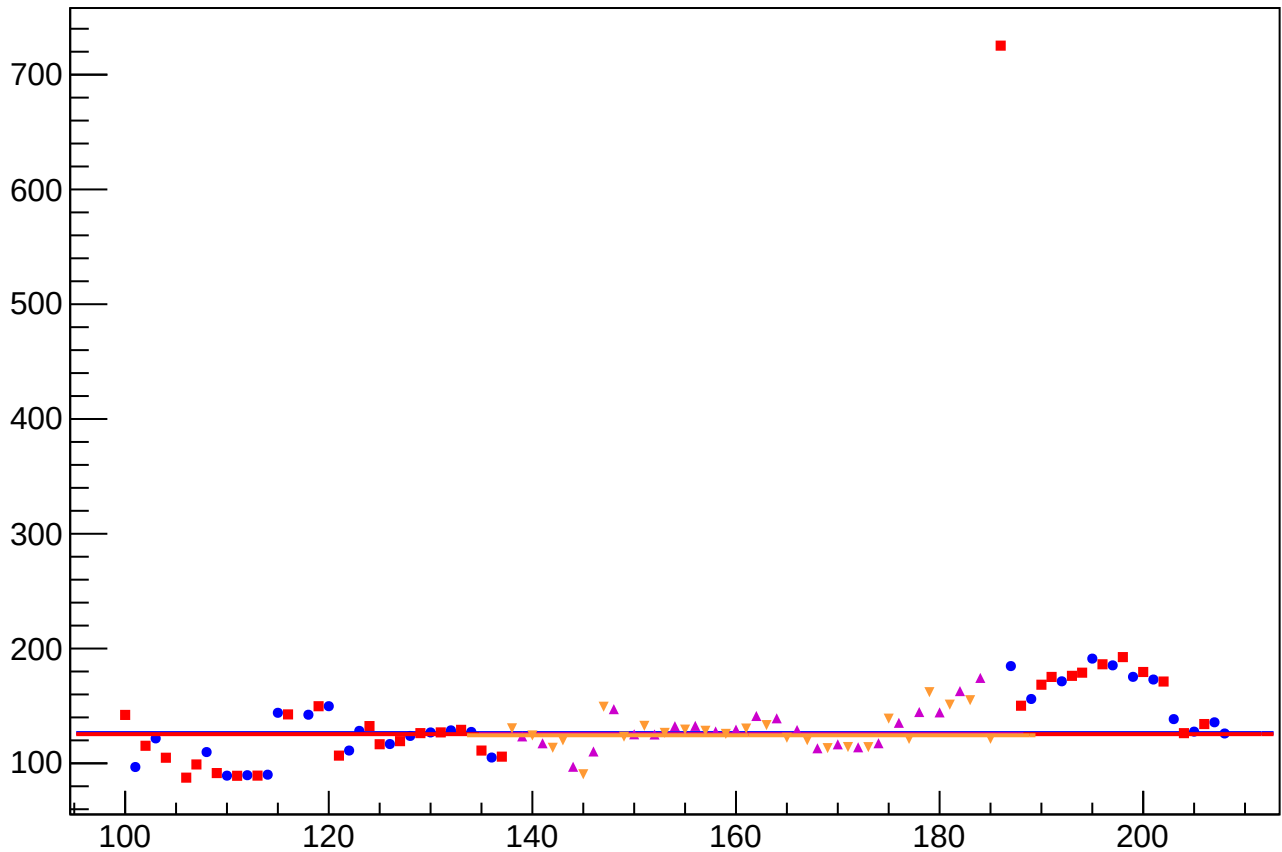
Left In: -235.801 ± 30.232 $\chi^2/\text{NDF}: 24.6/22$

+ sign 197.986 ± 22.224 $\chi^2/\text{NDF}: 64.4/52$

All: 13.561 ± 15.810 $\chi^2/\text{NDF}: 264.5/106$

- sign -175.383 ± 22.495 $\chi^2/\text{NDF}: 60.7/53$

reg_asym_sam_48_dd_rms vs Slug



Right In: 126.334 $\pm$ 0.024 χ^2 /NDF: 1355683.2/27

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 125.402 $\pm$ 0.024 χ^2 /NDF: 2209737.3/30

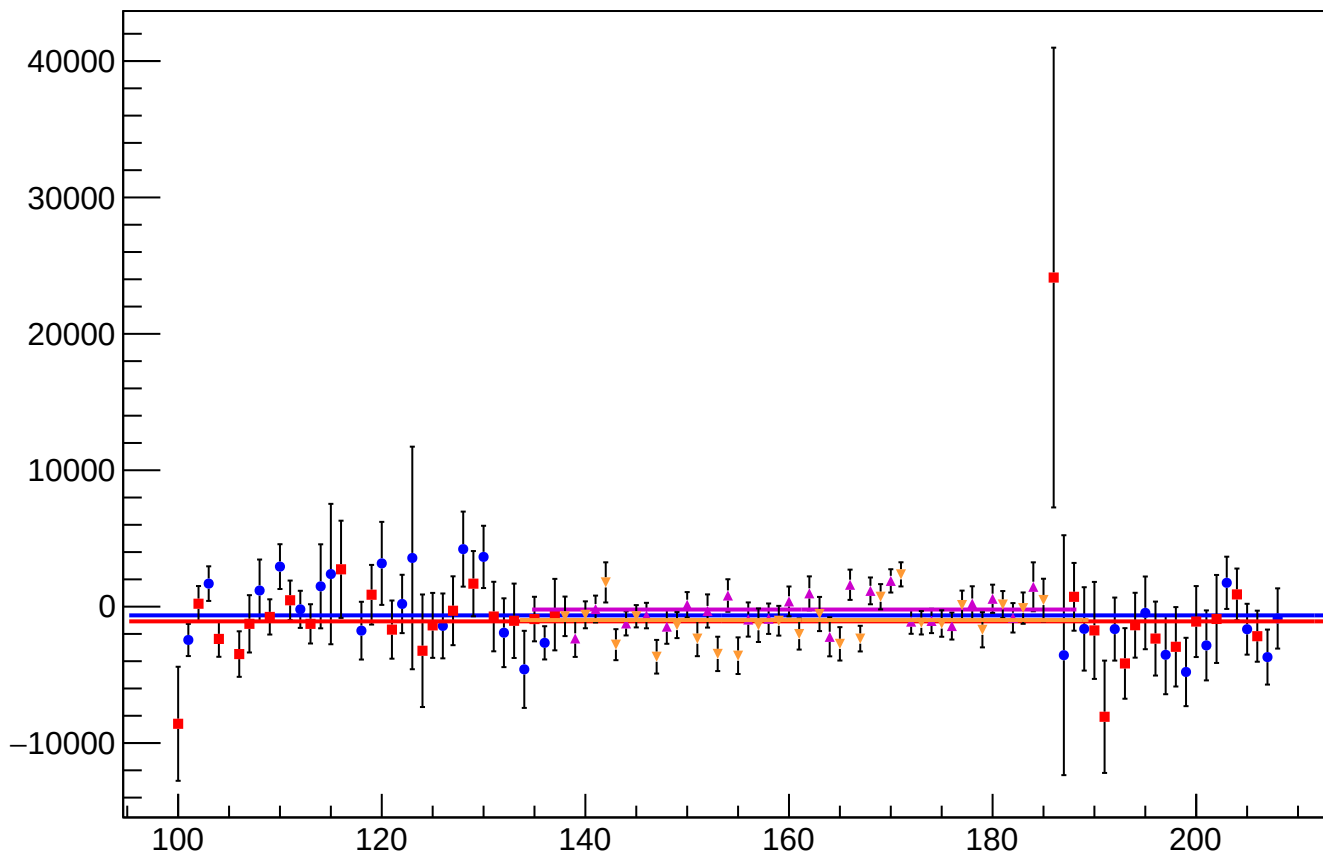
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 125.232 $\pm$ 0.016 χ^2 /NDF: 1899001.3/52

All: 125.262 $\pm$ 0.011 χ^2 /NDF: 4610172.0/106

- sign 125.293 $\pm$ 0.016 χ^2 /NDF: 2711163.3/53

asym_sam_48_dd_correction_mean vs Slug



Right In: -639.769 ± 392.222 χ^2/NDF : 35.0/27

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1078.961 ± 379.154 χ^2/NDF : 21.5/30

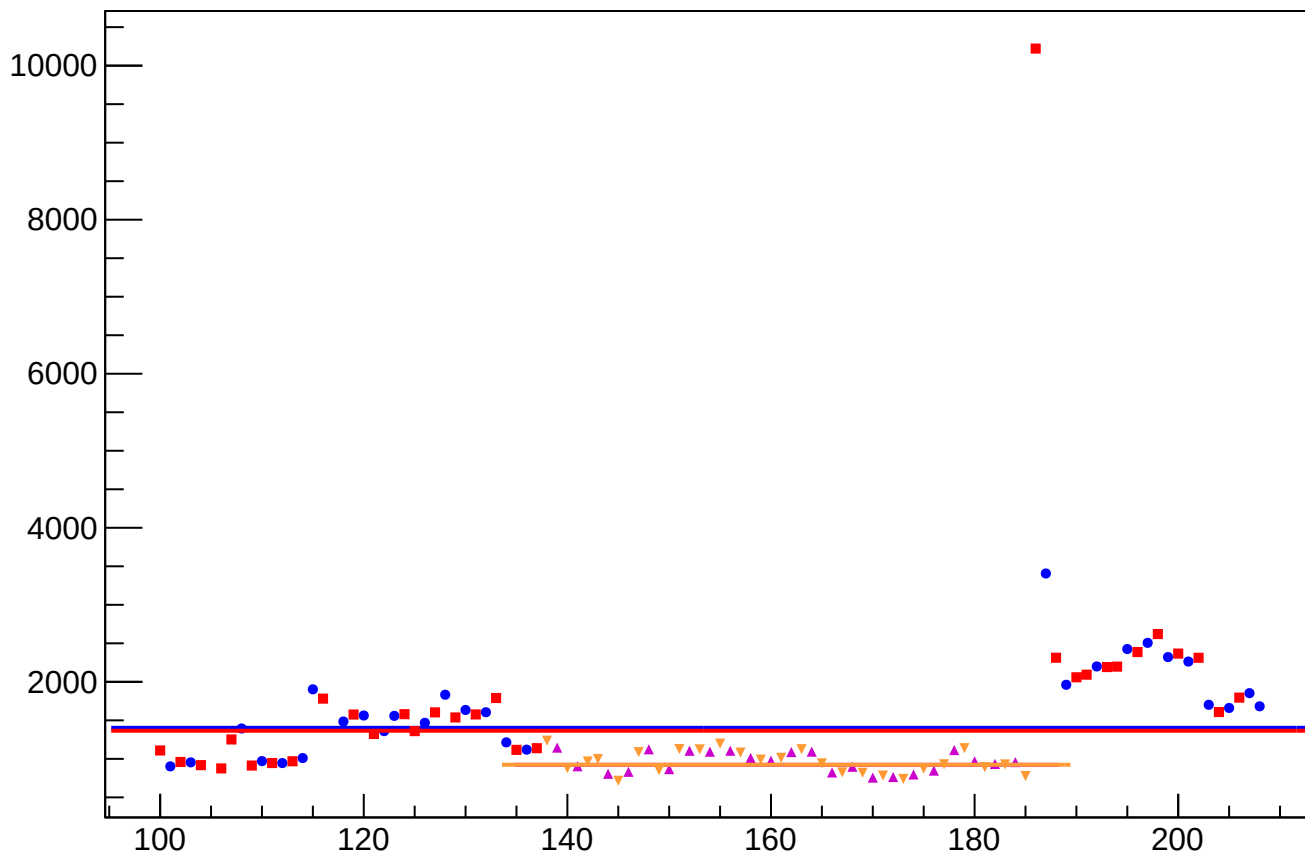
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -901.858 ± 190.560 χ^2/NDF : 82.8/52

All: -670.598 ± 135.395 χ^2/NDF : 136.8/106

- sign -434.831 ± 192.408 χ^2/NDF : 51.0/53

asym_sam_48_dd_correction_rms vs Slug



Right In: 1402.970+/-0.277 χ^2/NDF : 2944805.4/27

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

Right Out: 1365.124+/-0.268 χ^2/NDF : 4076631.4/30

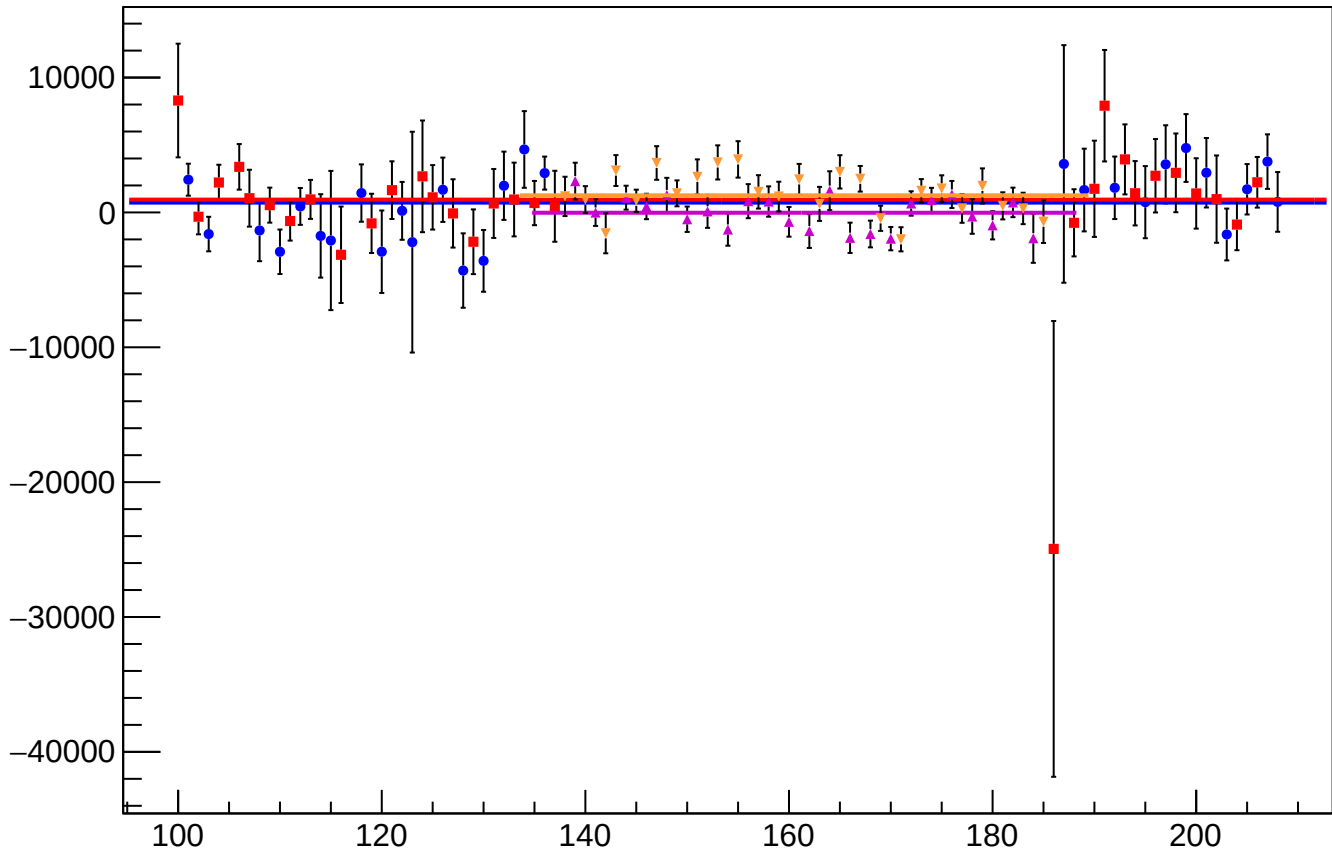
Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

+ sign 1036.744+/-0.135 χ^2/NDF : 6070005.4/52

All: 1036.522+/-0.096 χ^2/NDF : 12807409.5/103

- sign 1036.296+/-0.136 χ^2/NDF : 6737398.7/53

asym_sam_48_dd_mean vs Slug



Right In: 728.122 $\pm$ 393.937 χ^2 /NDF: 35.0/27

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

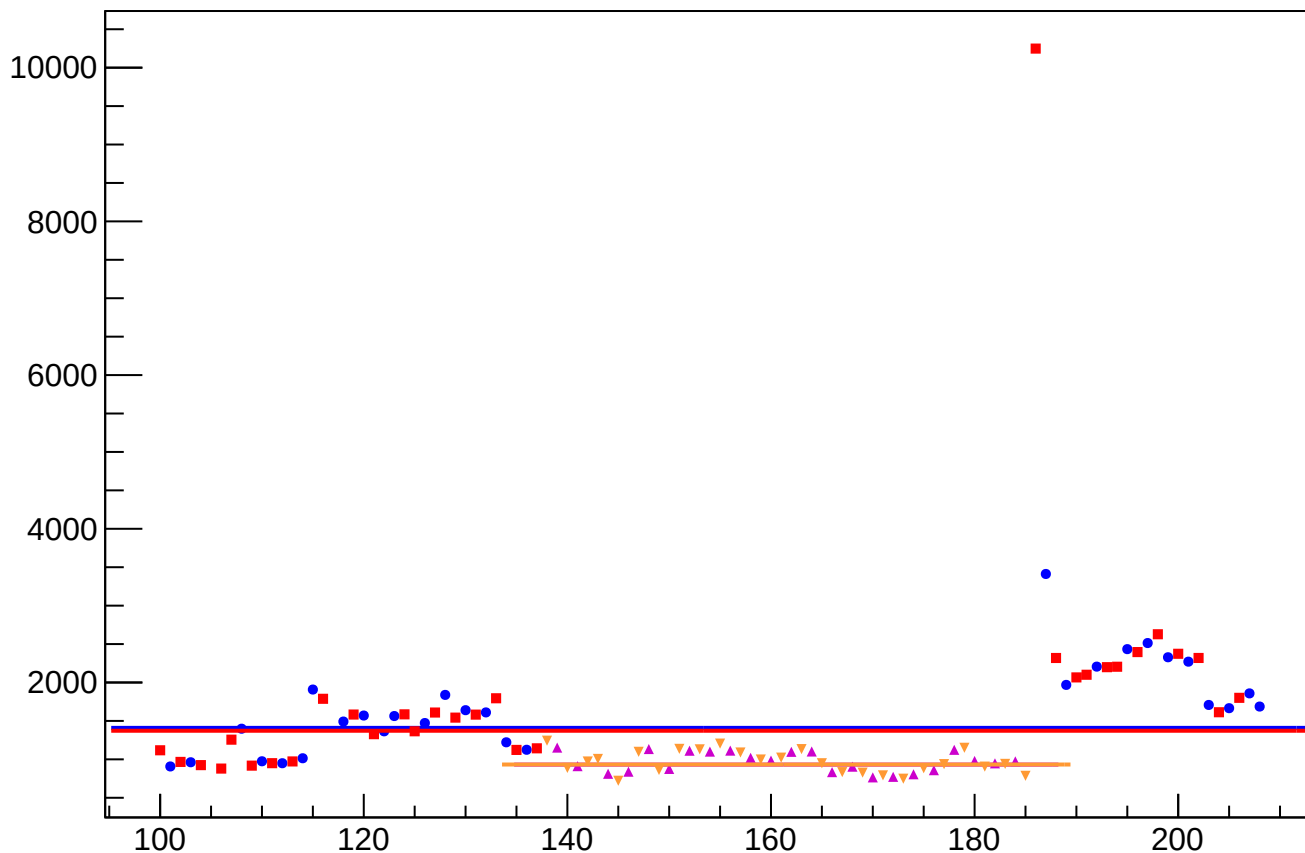
Left In: -23.478 $\pm$ 225.490 χ^2 /NDF:27.2/22

+ sign 1139.032 $\pm$ 192.166 χ^2 /NDF: 81.3/52

All: 688.401 $\pm$ 136.544 χ^2 /NDF: 146.3/106

- sign 228.877 $\pm$ 194.052 χ^2 /NDF: 53.8/53

asym_sam_48_dd_rms vs Slug



Right In: 1409.647+/-0.279 χ^2/NDF : 2926510.6/27

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1372.184+/-0.269 χ^2/NDF : 4054383.4/30

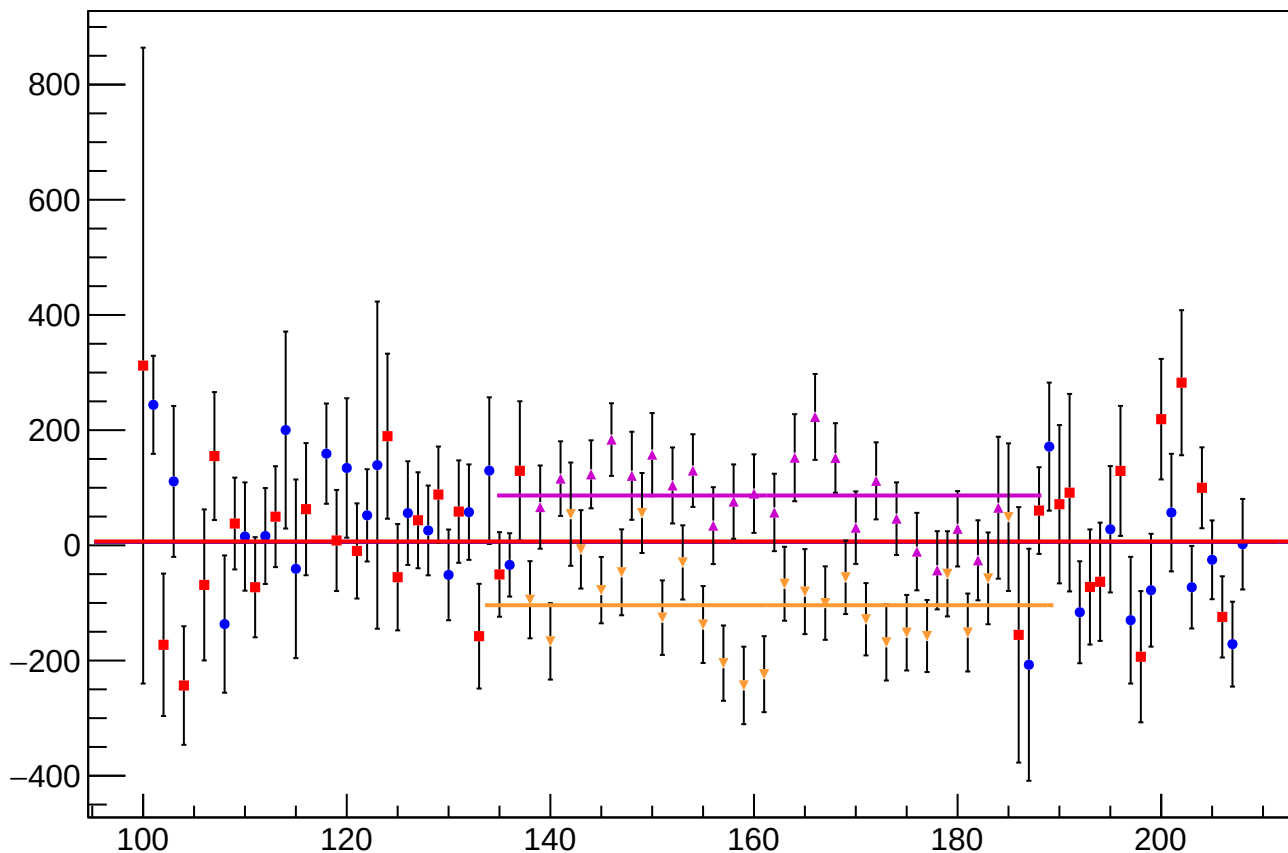
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1046.241+/-0.136 χ^2/NDF : 5989775.1/52

All: 1046.027+/-0.097 χ^2/NDF : 12650204.3/103

- sign 1045.809+/-0.137 χ^2/NDF : 6660424.1/53

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 6.023 ± 17.384 χ^2/NDF : 33.8/27

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: 6.719 ± 17.614 χ^2/NDF : 41.4/30

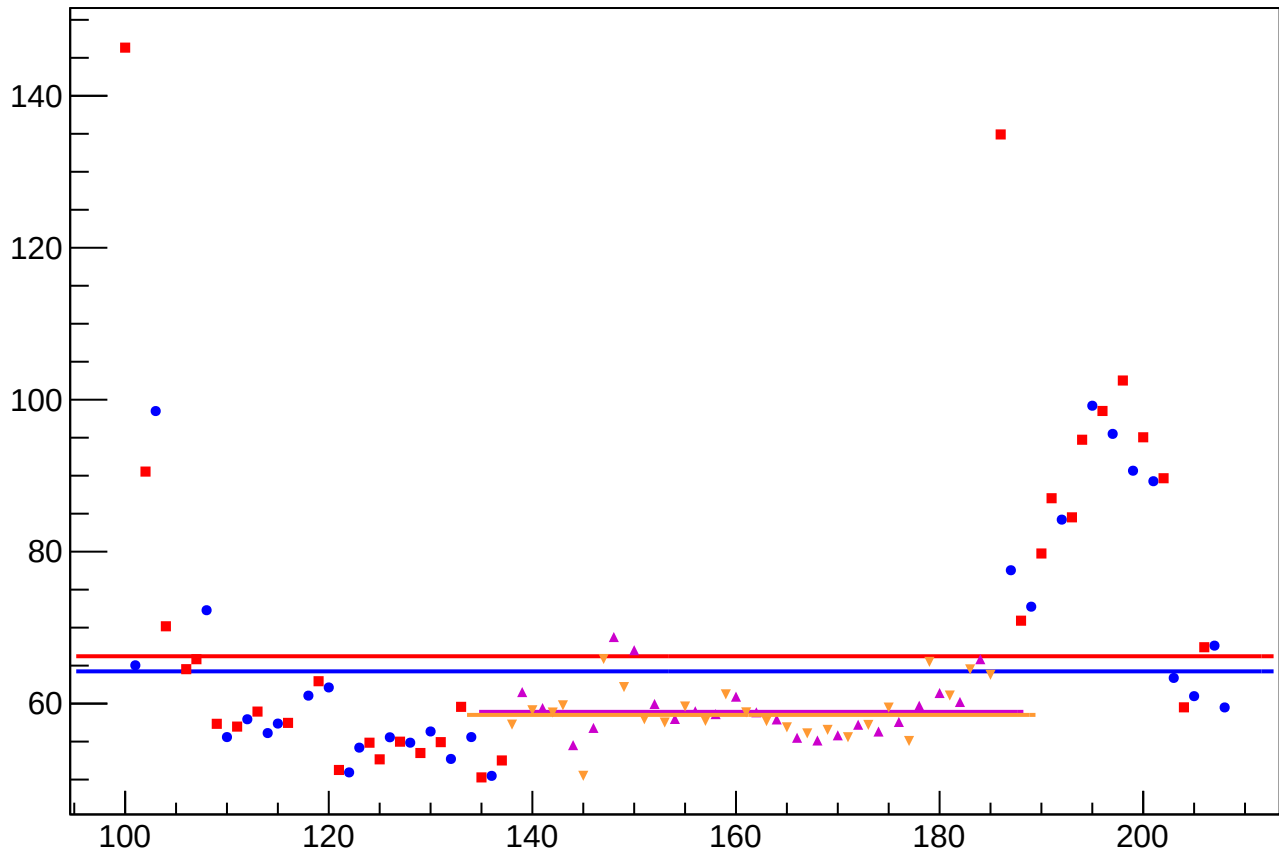
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -62.004 ± 10.732 χ^2/NDF : 88.5/52

All: -4.882 ± 7.687 χ^2/NDF : 222.0/106

- sign 55.315 ± 11.017 χ^2/NDF : 75.3/53

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.244 $\pm$ 0.012 χ^2 /NDF: 1253799.2/27

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 66.232 $\pm$ 0.012 χ^2 /NDF: 1642518.6/30

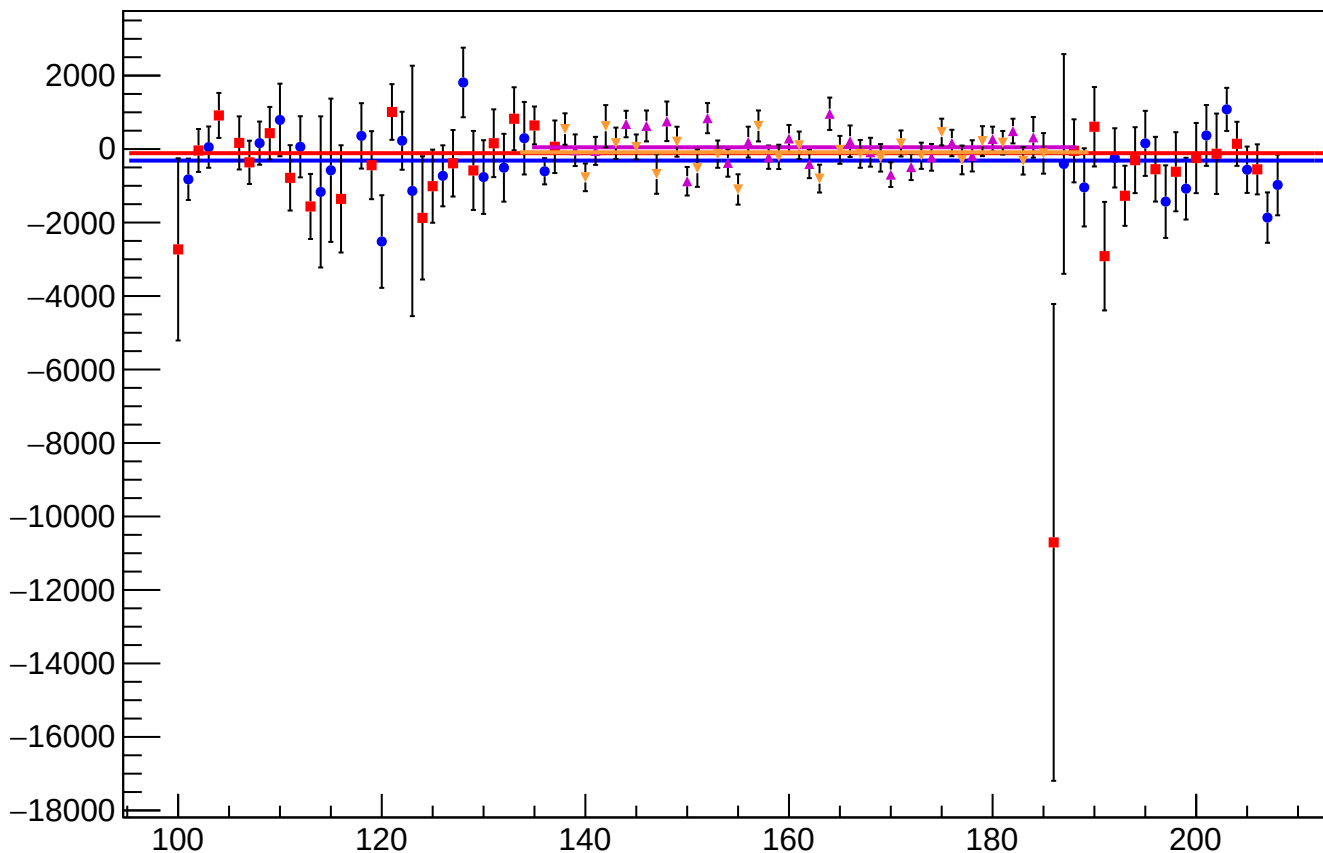
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 60.697 $\pm$ 0.008 χ^2 /NDF: 1511560.3/52

All: 61.223 $\pm$ 0.005 χ^2 /NDF: 3484078.0/106

- sign 61.776 $\pm$ 0.008 χ^2 /NDF: 1962672.8/53

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -313.627 ± 147.245 χ^2/NDF : 29.4/27

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -112.166 ± 149.751 χ^2/NDF : 26.7/30

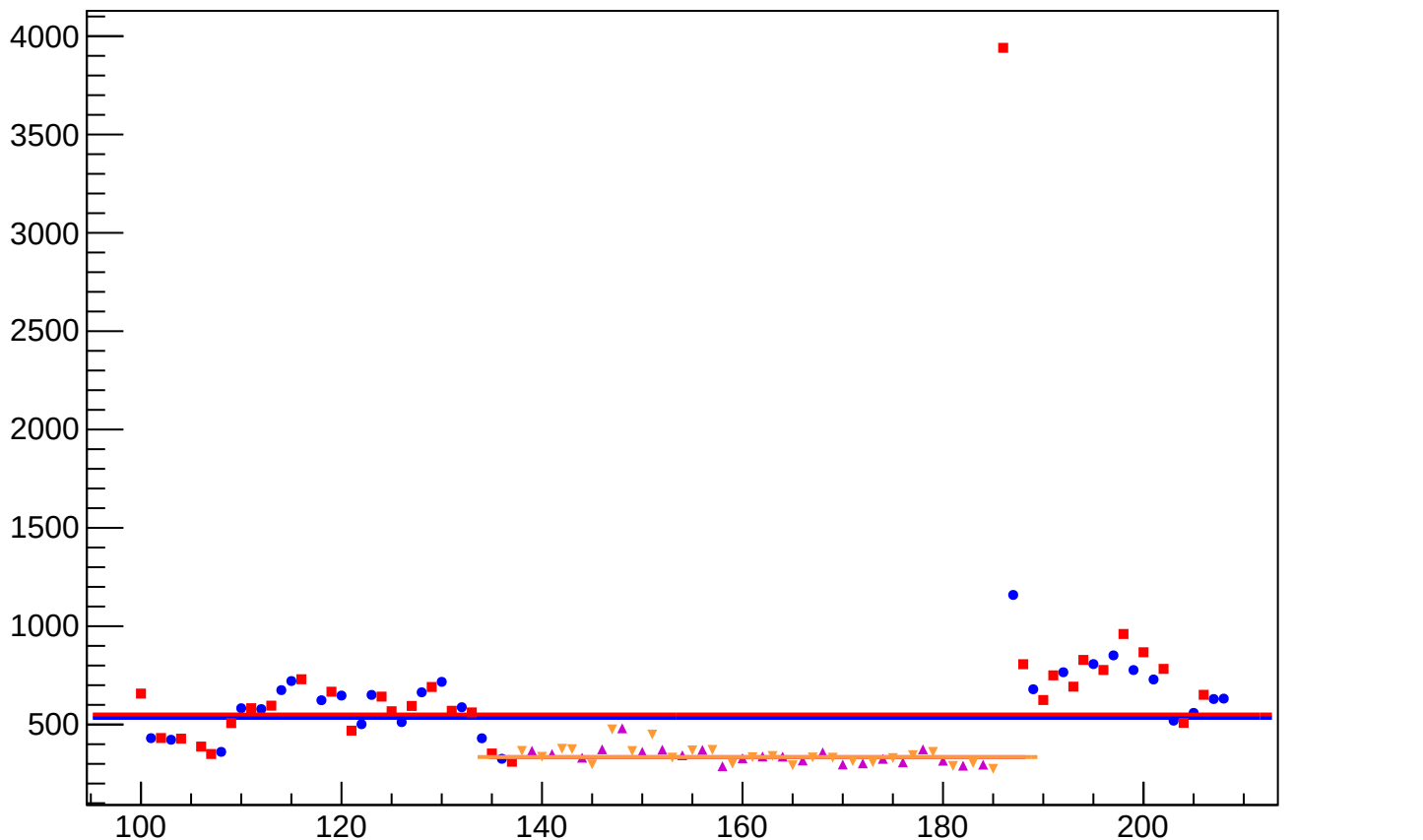
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -137.570 ± 69.309 χ^2/NDF : 59.0/52

All: -64.210 ± 49.575 χ^2/NDF : 124.2/106

- sign 12.635 ± 70.937 χ^2/NDF : 62.9/53

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 533.972 $\pm$ 0.104 χ^2/NDF : 2254313.0/27

Left Out: 334.749 $\pm$ 0.056 χ^2/NDF : 491370.4/24

Right Out: 551.055 $\pm$ 0.106 χ^2/NDF : 2974166.0/30

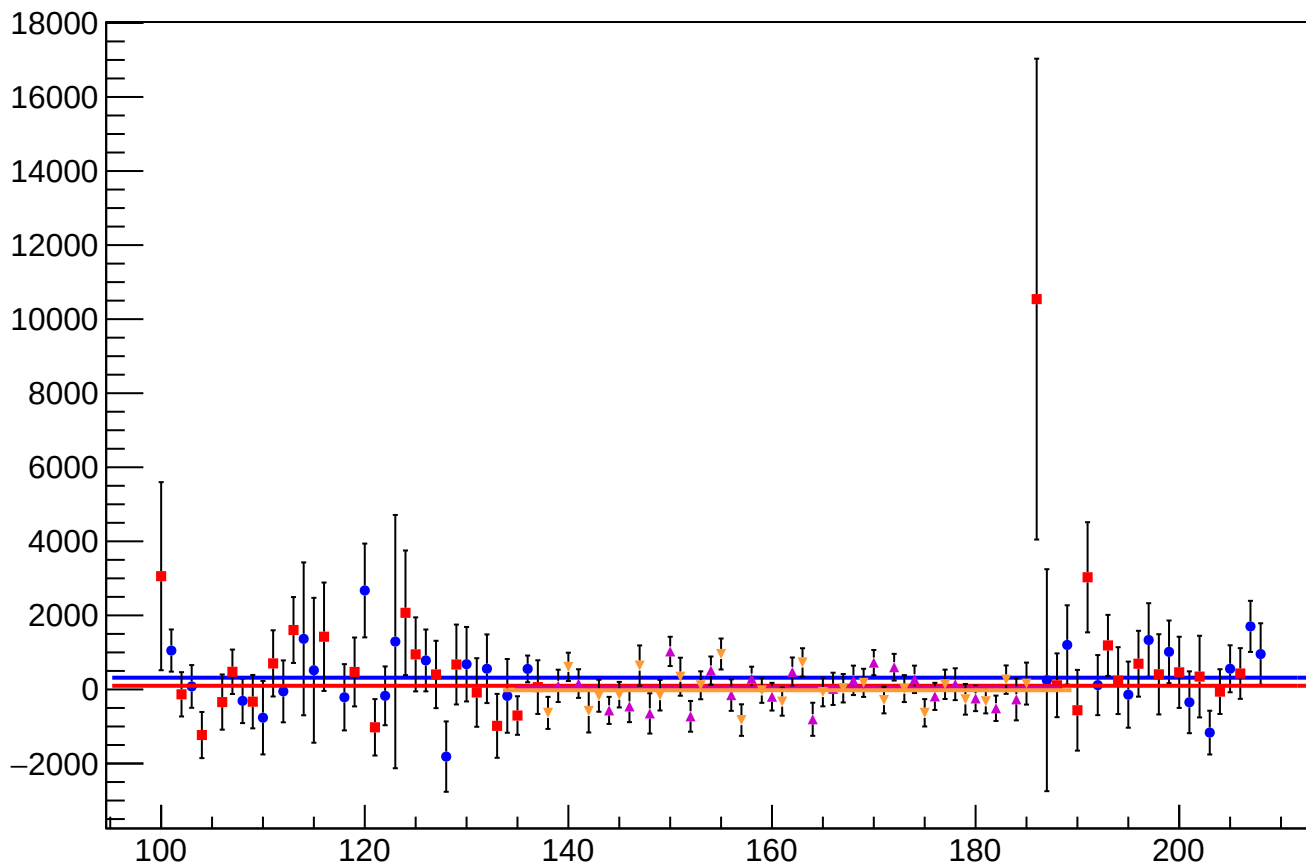
Left In: 334.147 $\pm$ 0.057 χ^2/NDF : 397200.6/22

+ sign 378.890 $\pm$ 0.049 χ^2/NDF : 5595732.7/52

All: 380.809 $\pm$ 0.035 χ^2/NDF : 12224759.3/10

- sign 382.819 $\pm$ 0.050 χ^2/NDF : 6625887.0/53

asym_sam_13_57_dd_mean vs Slug



Right In: 317.683+/-148.710 χ^2/NDF : 29.5/27

Left Out: -20.895+/-79.812 χ^2/NDF : 27.2/24

Right Out: 99.369+/-151.323 χ^2/NDF : 29.7/30

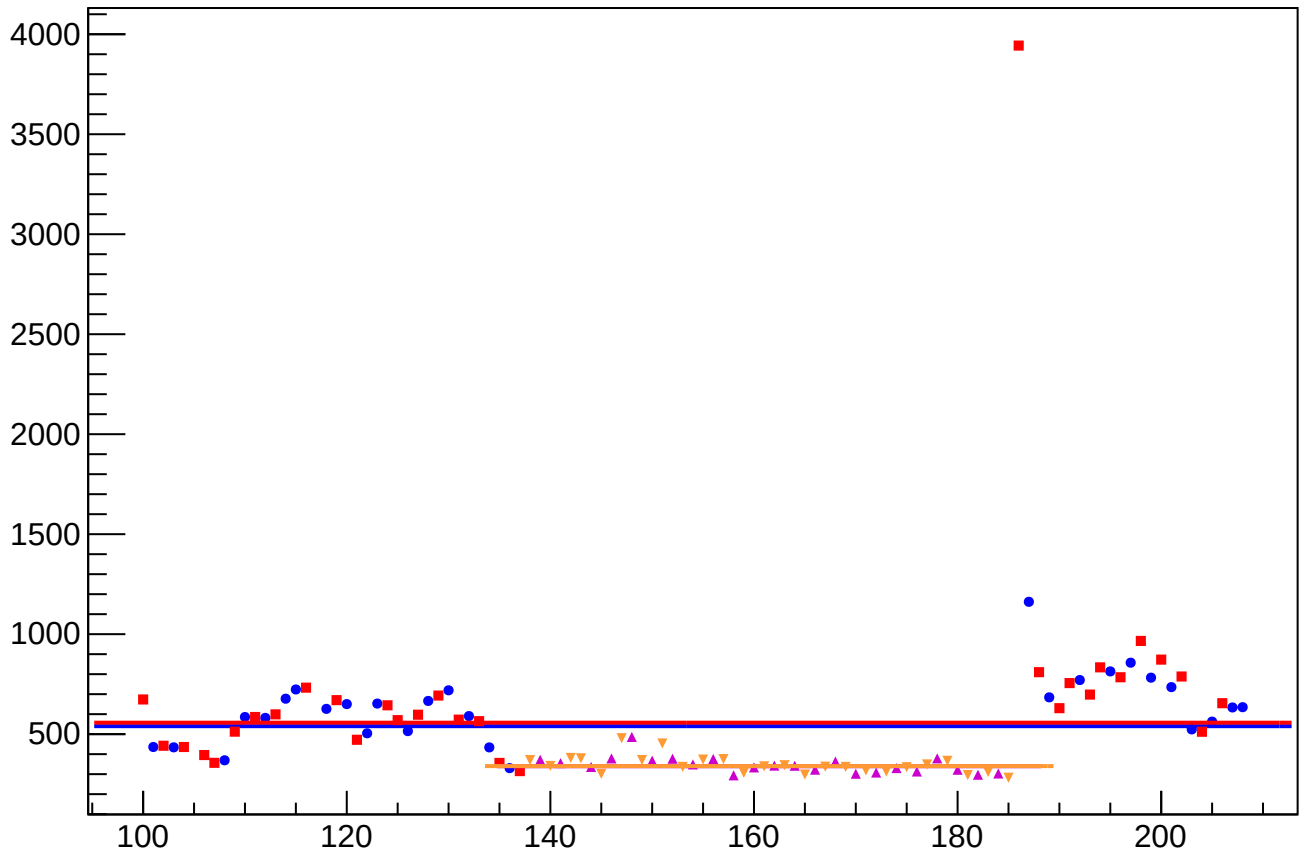
Left In: 31.800+/-81.839 χ^2/NDF : 34.0/22

+ sign 54.820+/-70.324 χ^2/NDF : 60.7/52

All: 51.046+/-50.304 χ^2/NDF : 124.7/106

- sign 47.091+/-71.986 χ^2/NDF : 63.9/53

asym_sam_13_57_dd_rms vs Slug



Right In: 539.936+/-0.105 χ^2/NDF : 2193969.5/27

Left Out: 340.238+/-0.056 χ^2/NDF : 468863.6/24

Right Out: 557.425+/-0.107 χ^2/NDF : 2909916.4/30

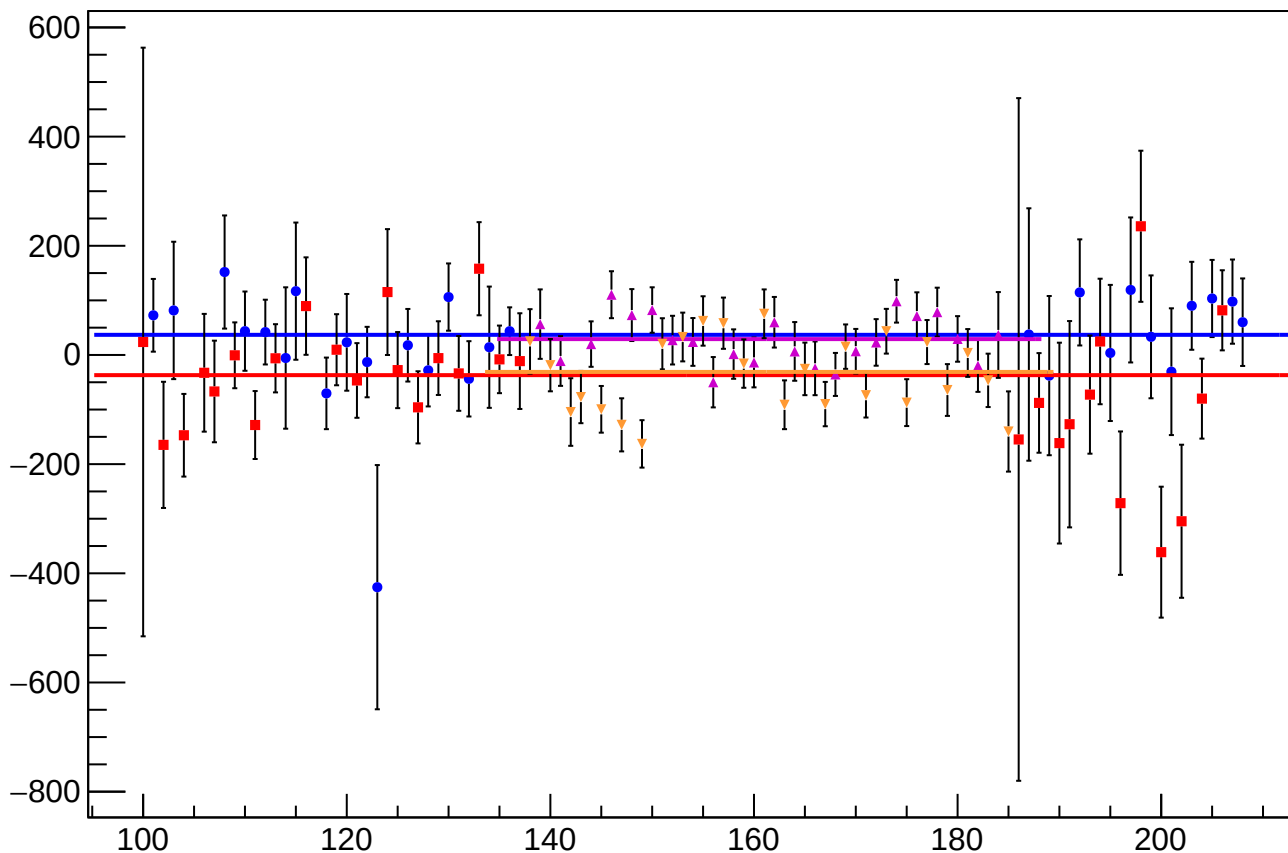
Left In: 339.621+/-0.058 χ^2/NDF : 379808.1/22

+ sign 384.896+/-0.050 χ^2/NDF : 5462930.3/52

All: 386.856+/-0.036 χ^2/NDF : 11961523.8/100

- sign 388.910+/-0.051 χ^2/NDF : 6495411.3/53

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 36.885 ± 15.331 $\chi^2/\text{NDF}: 17.2/27$

Left Out: -31.063 ± 9.170 $\chi^2/\text{NDF}: 52.6/24$

Right Out: -36.966 ± 15.370 $\chi^2/\text{NDF}: 39.5/30$

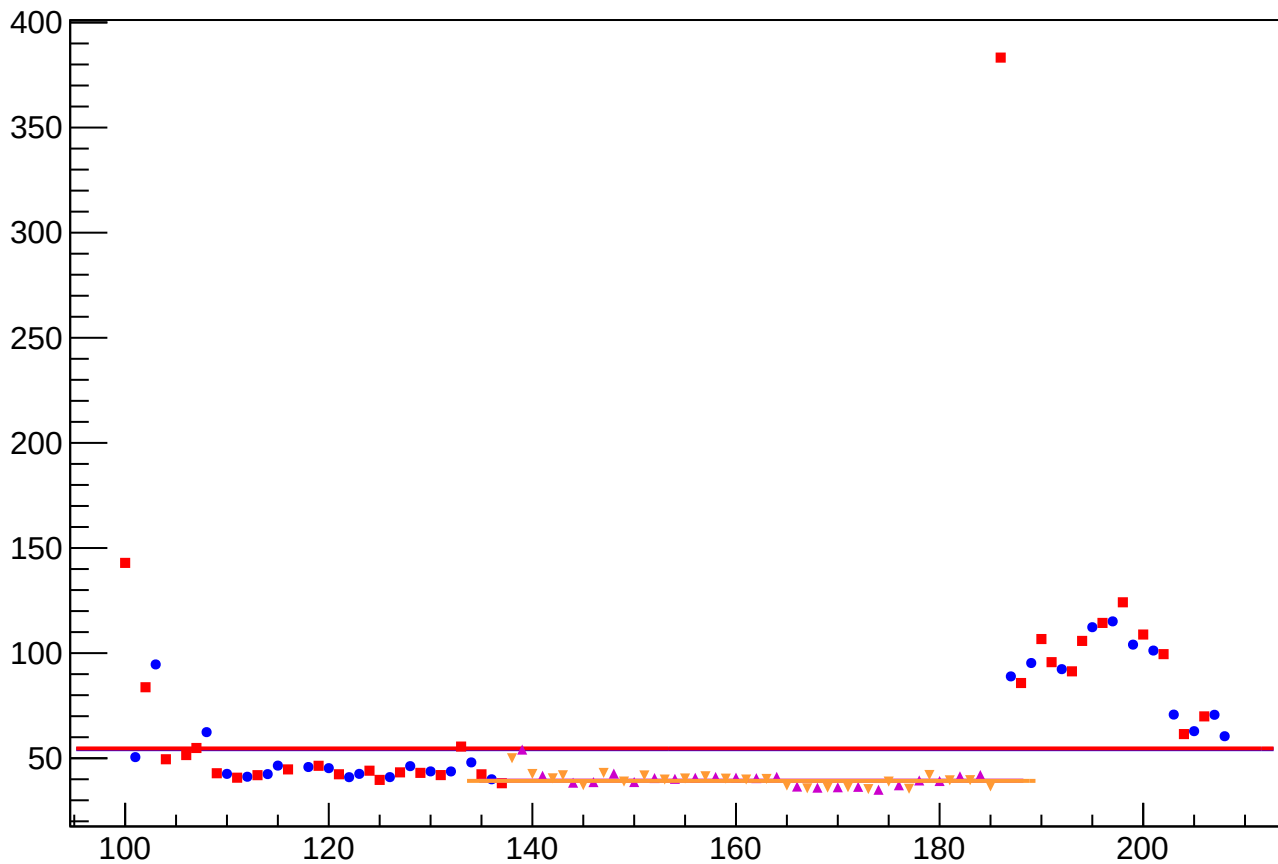
Left In: 29.055 ± 9.449 $\chi^2/\text{NDF}: 22.4/22$

+ sign -13.160 ± 7.869 $\chi^2/\text{NDF}: 84.3/52$

All: -1.380 ± 5.627 $\chi^2/\text{NDF}: 164.2/106$

- sign 10.945 ± 8.050 $\chi^2/\text{NDF}: 75.3/53$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 54.318 $\pm$ 0.011 χ^2 /NDF: 3273573.8/27

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

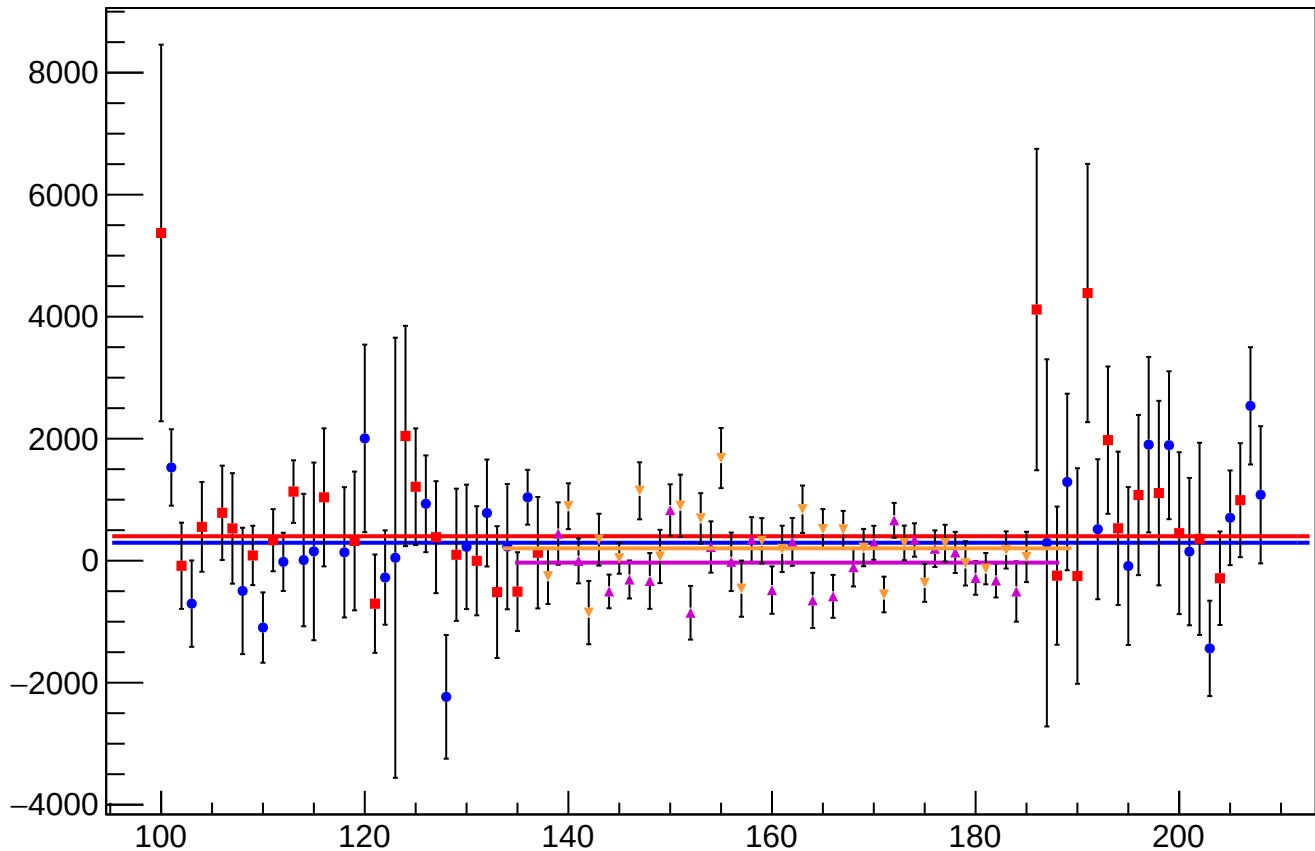
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 43.209 $\pm$ 0.006 χ^2 /NDF: 4901221.8/52

All: 43.370 $\pm$ 0.004 χ^2 /NDF: 10878068.0/100

- sign 43.539 $\pm$ 0.006 χ^2 /NDF: 5975124.9/53

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 294.098 $\pm$ 164.522 χ^2/NDF : 39.2/27

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

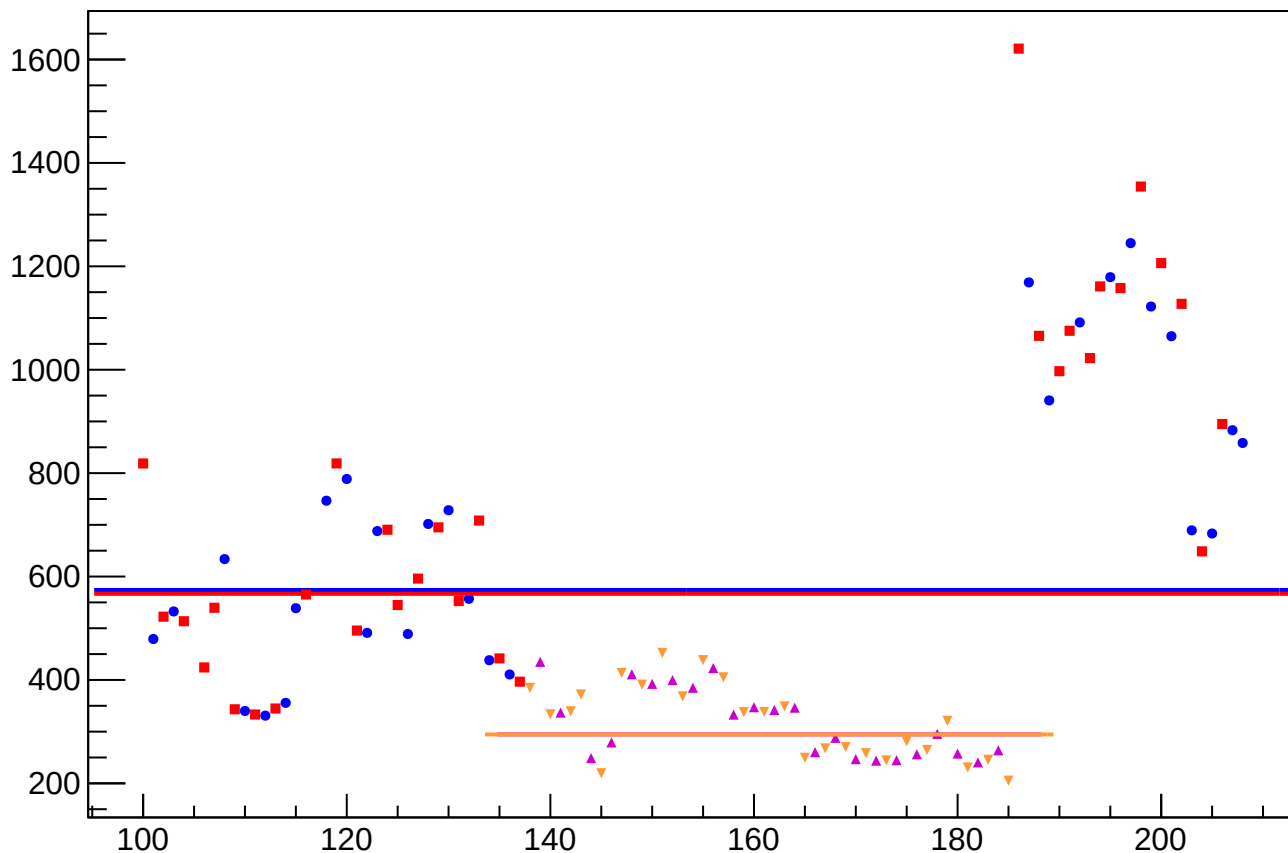
Left In: -31.548 $\pm$ 72.100 χ^2/NDF : 33.4/22

+ sign 216.574 $\pm$ 64.744 χ^2/NDF : 84.3/52

All: 130.046 $\pm$ 46.150 χ^2/NDF : 149.4/106

- sign 40.669 $\pm$ 65.801 χ^2/NDF : 61.4/53

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 574.071+/-0.116 χ^2/NDF : 4150980.5/27

Left Out: 294.591+/-0.050 χ^2/NDF :1680474.5/24

Right Out: 566.577+/-0.114 χ^2/NDF : 5262791.8/30

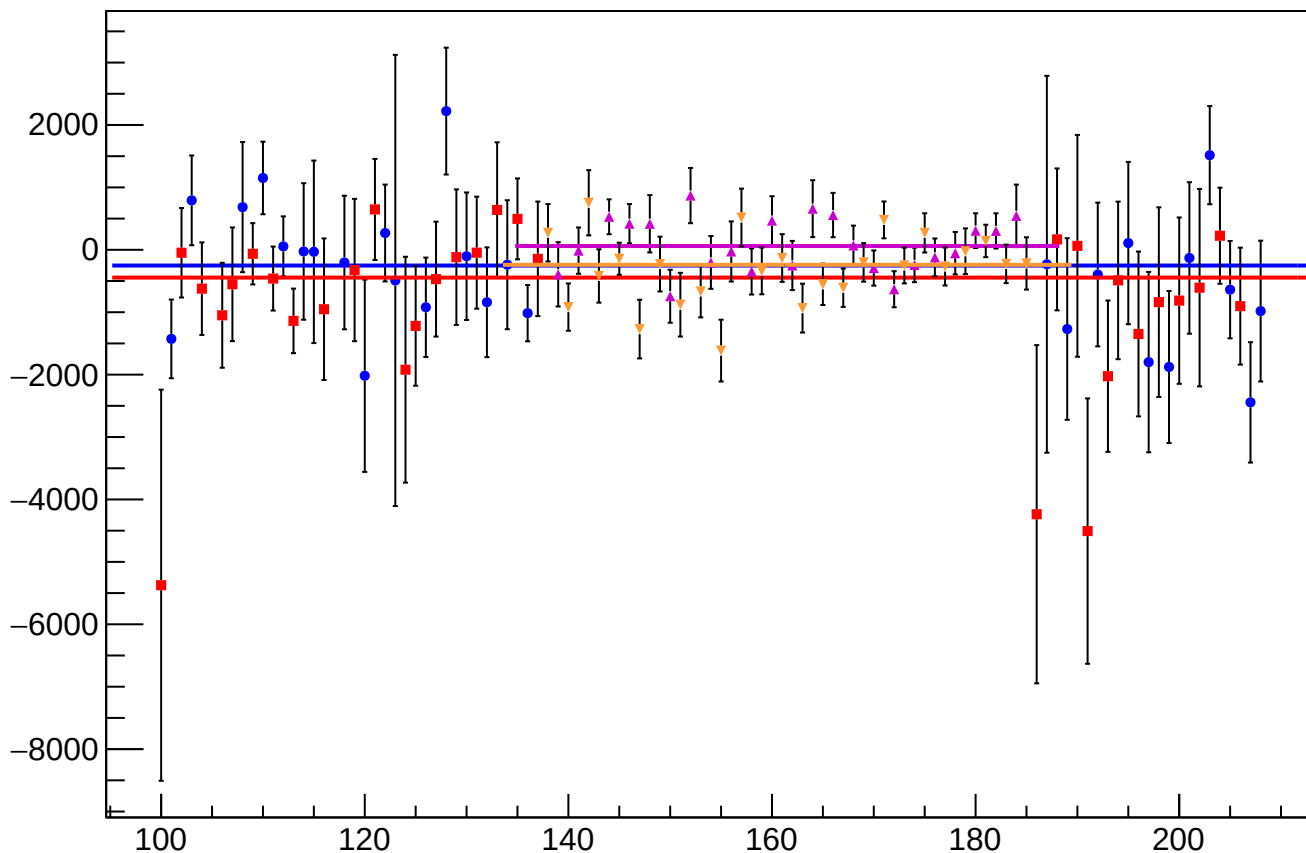
Left In: 294.722+/-0.051 χ^2/NDF :1297310.3/22

+ sign 337.872+/-0.046 χ^2/NDF : 10709099.4/52

All: 338.992+/-0.033 χ^2/NDF : 22021719.2/100

- sign 340.149+/-0.047 χ^2/NDF : 11311403.1/53

asym_sam_15_37_dd_mean vs Slug



Right In: -252.100 ± 165.472 χ^2/NDF : 38.8/27

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -445.333 ± 162.474 χ^2/NDF : 21.9/30

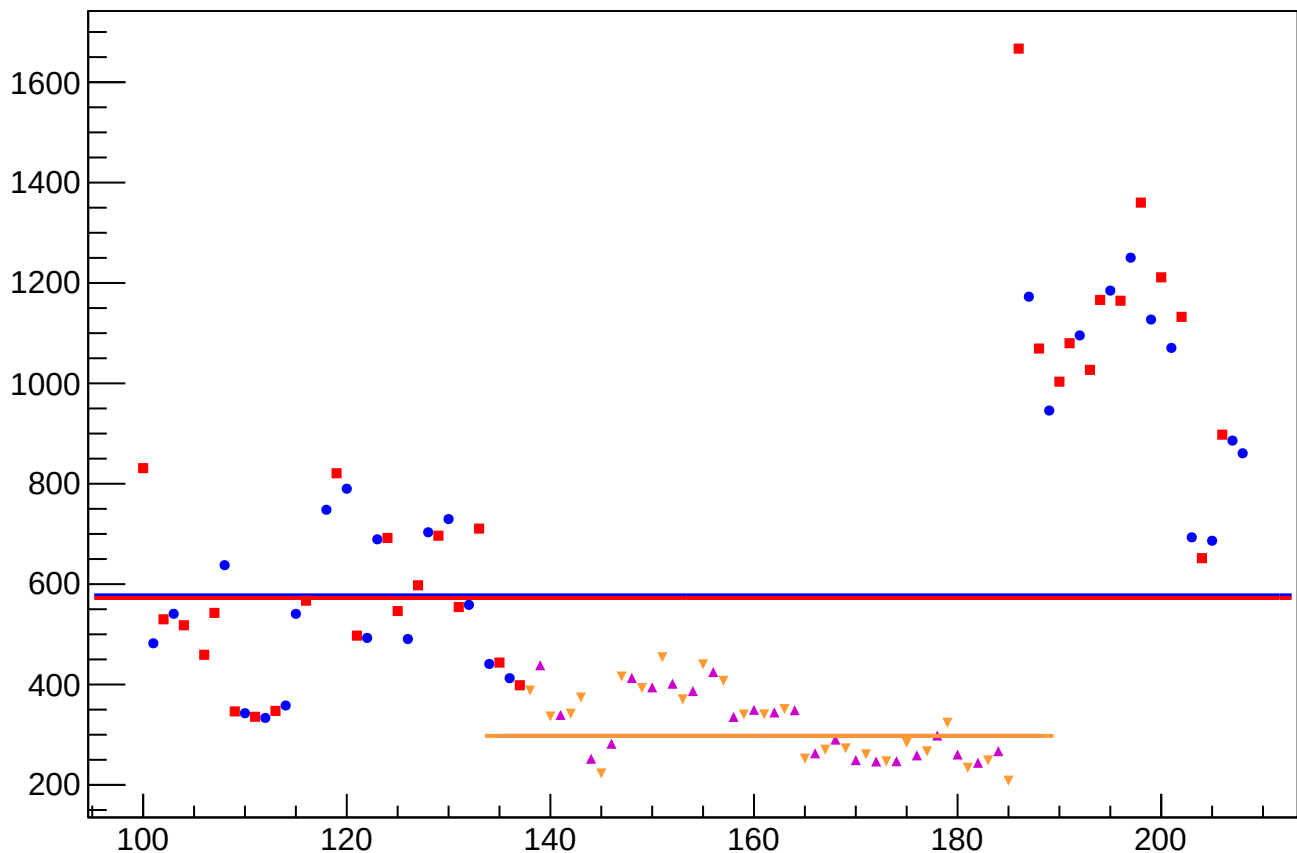
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -242.187 ± 65.325 χ^2/NDF : 81.8/52

All: -135.013 ± 46.577 χ^2/NDF : 148.1/106

- sign -24.194 ± 66.427 χ^2/NDF : 60.9/53

asym_sam_15_37_dd_rms vs Slug



Right In: 577.676 $\pm$ 0.117 χ^2 /NDF: 4127994.7/27

Left Out: 297.613 $\pm$ 0.050 χ^2 /NDF:1637757.8/24

Right Out: 572.448 $\pm$ 0.115 χ^2 /NDF: 5209067.7/30

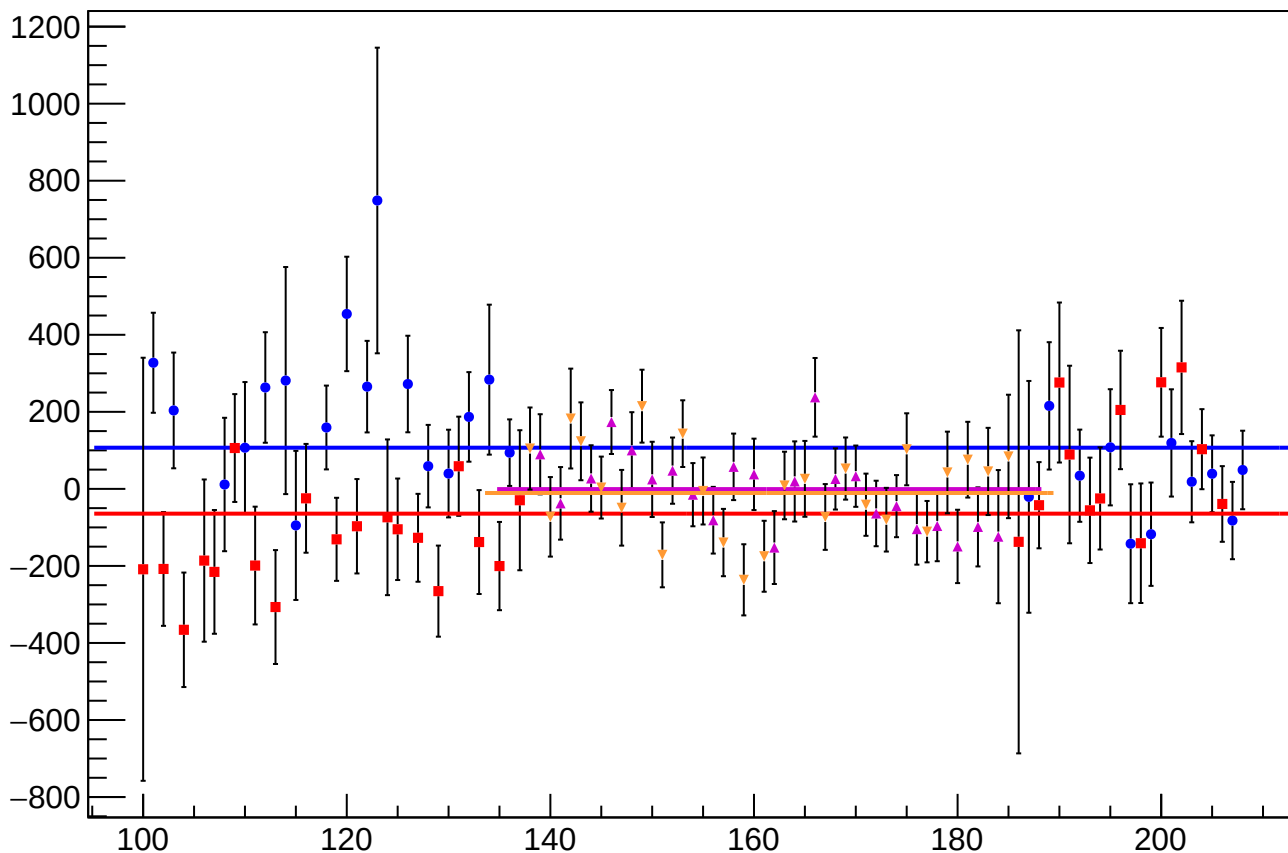
Left In: 297.699 $\pm$ 0.051 χ^2 /NDF:1266306.2/22

+ sign 341.261 $\pm$ 0.046 χ^2 /NDF: 10602024.3/52

All: 342.423 $\pm$ 0.033 χ^2 /NDF: 21841880.5/10

- sign 343.625 $\pm$ 0.047 χ^2 /NDF: 11238569.1/53

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 106.899 $\pm$ 24.811 χ^2 /NDF: 31.4/27

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF: 36.3/24

Right Out: -64.317 $\pm$ 25.403 χ^2 /NDF: 37.7/30

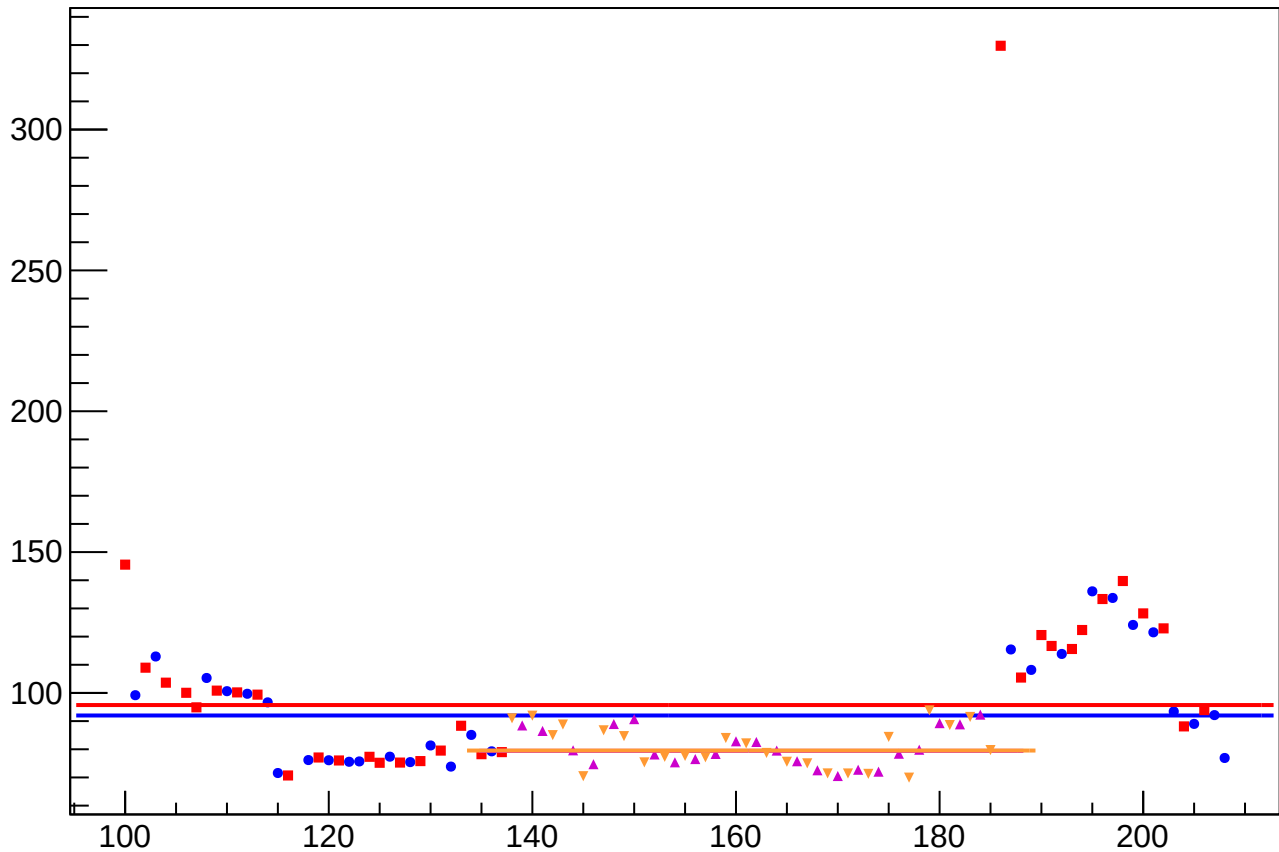
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF: 23.8/22

+ sign 31.660 $\pm$ 14.887 χ^2 /NDF: 82.1/52

All: 4.725 $\pm$ 10.657 χ^2 /NDF: 154.3/106

- sign -23.583 $\pm$ 15.262 χ^2 /NDF: 65.5/53

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 91.996 $\pm$ 0.018 χ^2 /NDF: 1050128.8/27

Left Out: 79.551 $\pm$ 0.013 χ^2 /NDF:309075.2/24

Right Out: 95.702 $\pm$ 0.018 χ^2 /NDF: 1499951.8/30

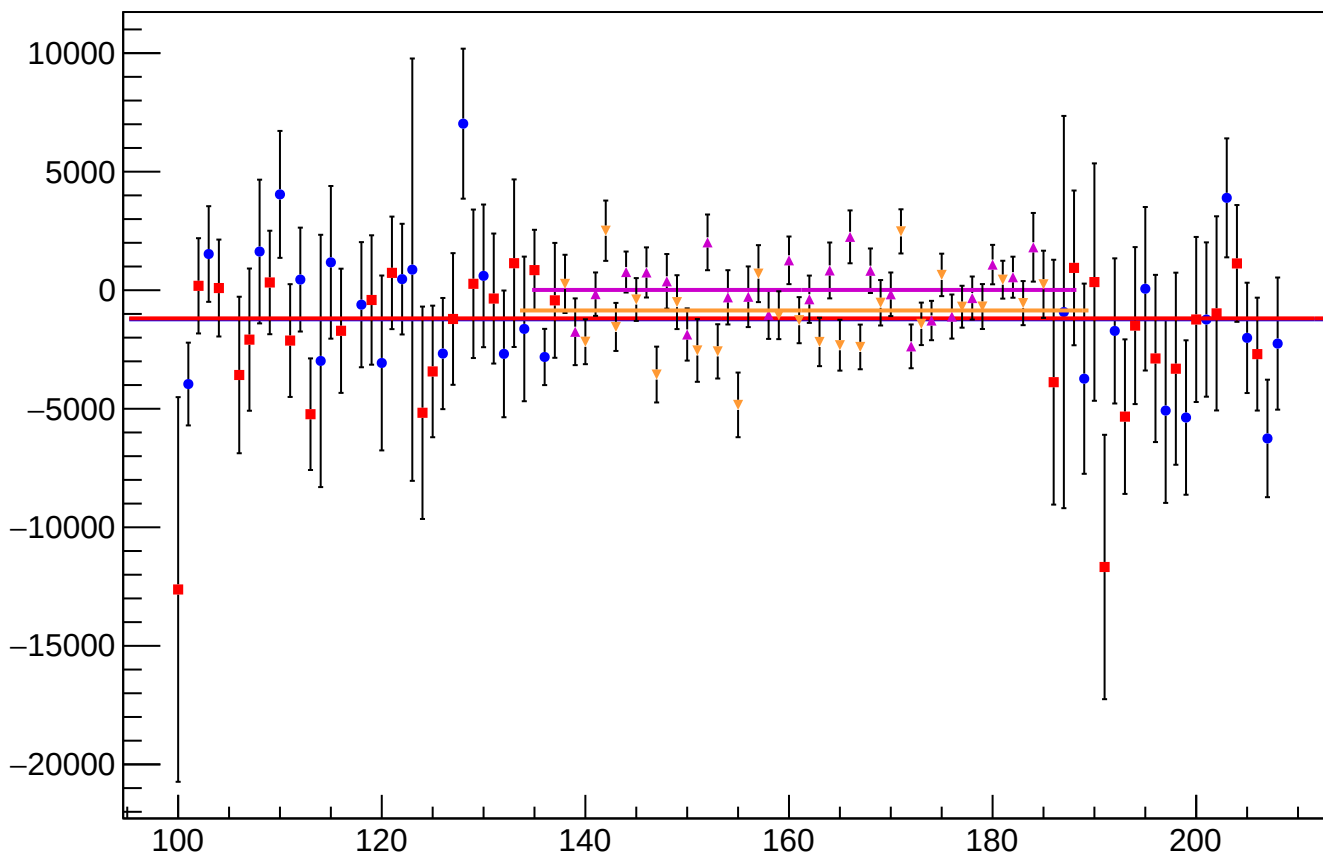
Left In: 79.436 $\pm$ 0.013 χ^2 /NDF:212440.1/22

+ sign 84.031 $\pm$ 0.011 χ^2 /NDF: 1681199.6/52

All: 84.654 $\pm$ 0.008 χ^2 /NDF: 3924798.0/106

- sign 85.308 $\pm$ 0.011 χ^2 /NDF: 2236432.0/53

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1226.774 ± 494.802 χ^2/NDF : 32.6/27

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1188.281 ± 507.378 χ^2/NDF : 19.3/30

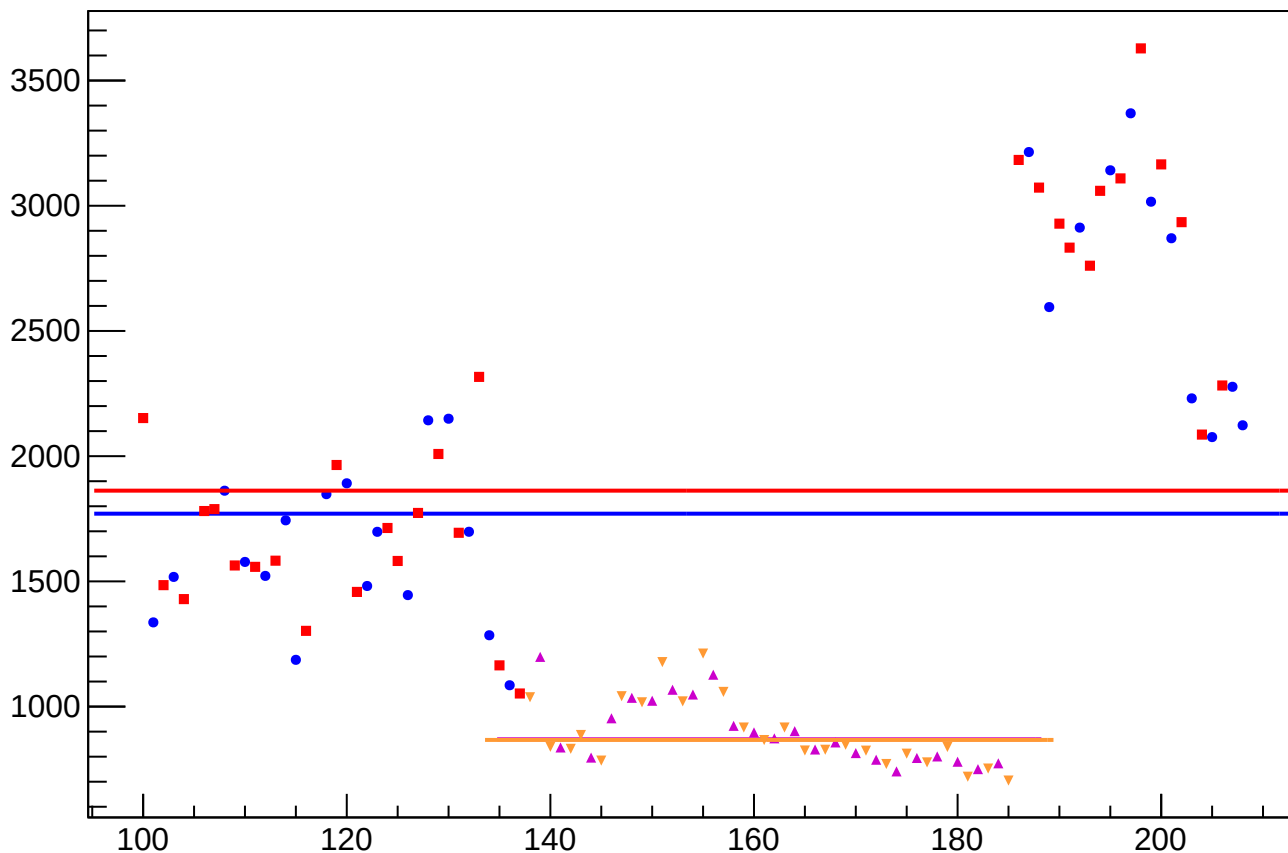
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -908.310 ± 188.671 χ^2/NDF : 89.0/52

All: -546.658 ± 135.287 χ^2/NDF : 151.9/106

- sign -163.916 ± 194.094 χ^2/NDF : 55.3/53

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1770.349 $\pm$ 0.350 χ^2 /NDF: 2927732.1/27

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

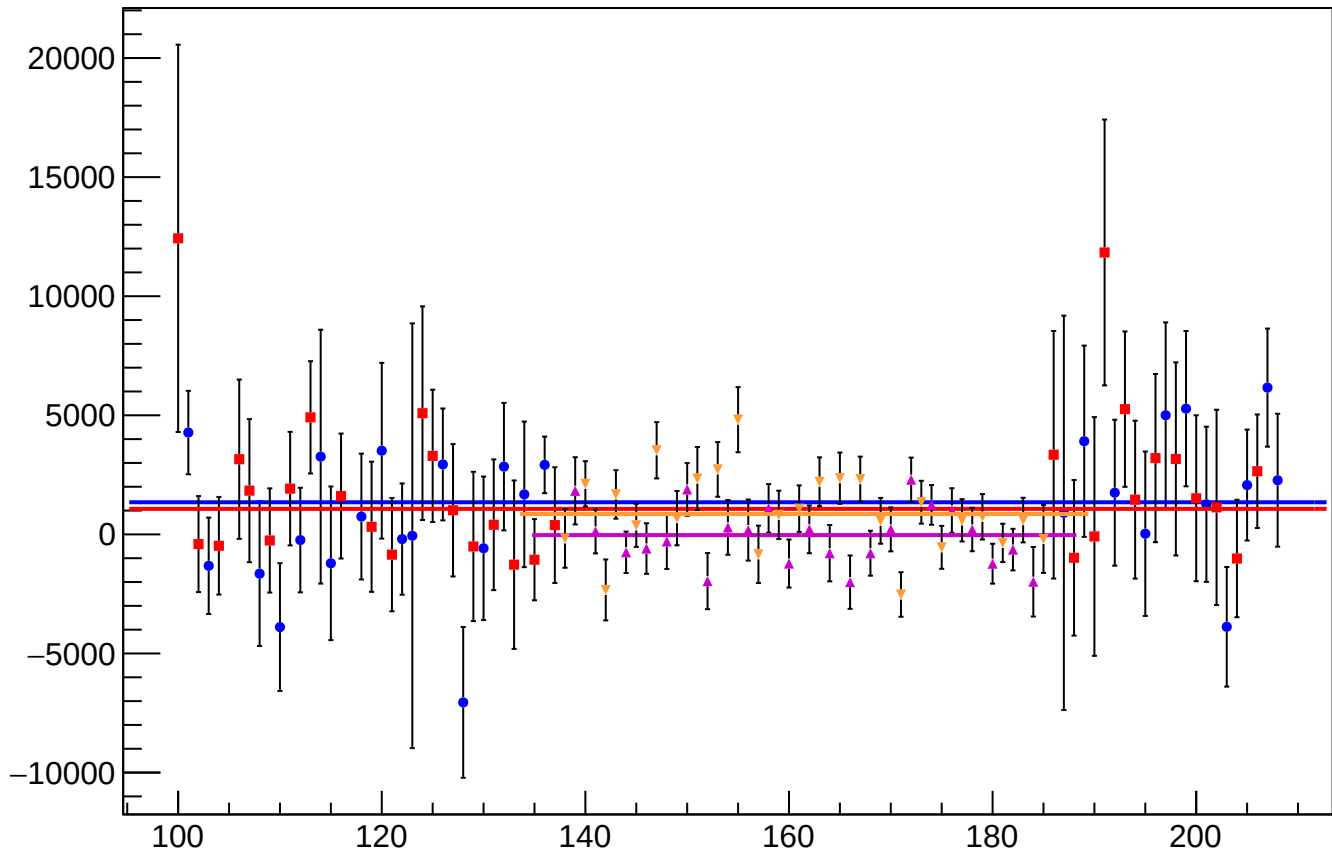
Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

+ sign 998.251 $\pm$ 0.133 χ^2 /NDF: 9287768.9/52

All: 1006.314 $\pm$ 0.096 χ^2 /NDF: 19556698.0/100

- sign 1014.848 $\pm$ 0.137 χ^2 /NDF: 10261409.9/53

asym_sam_24_68_dd_mean vs Slug



Right In: 1348.782 $\pm$ 495.661 χ^2 /NDF: 32.7/27

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

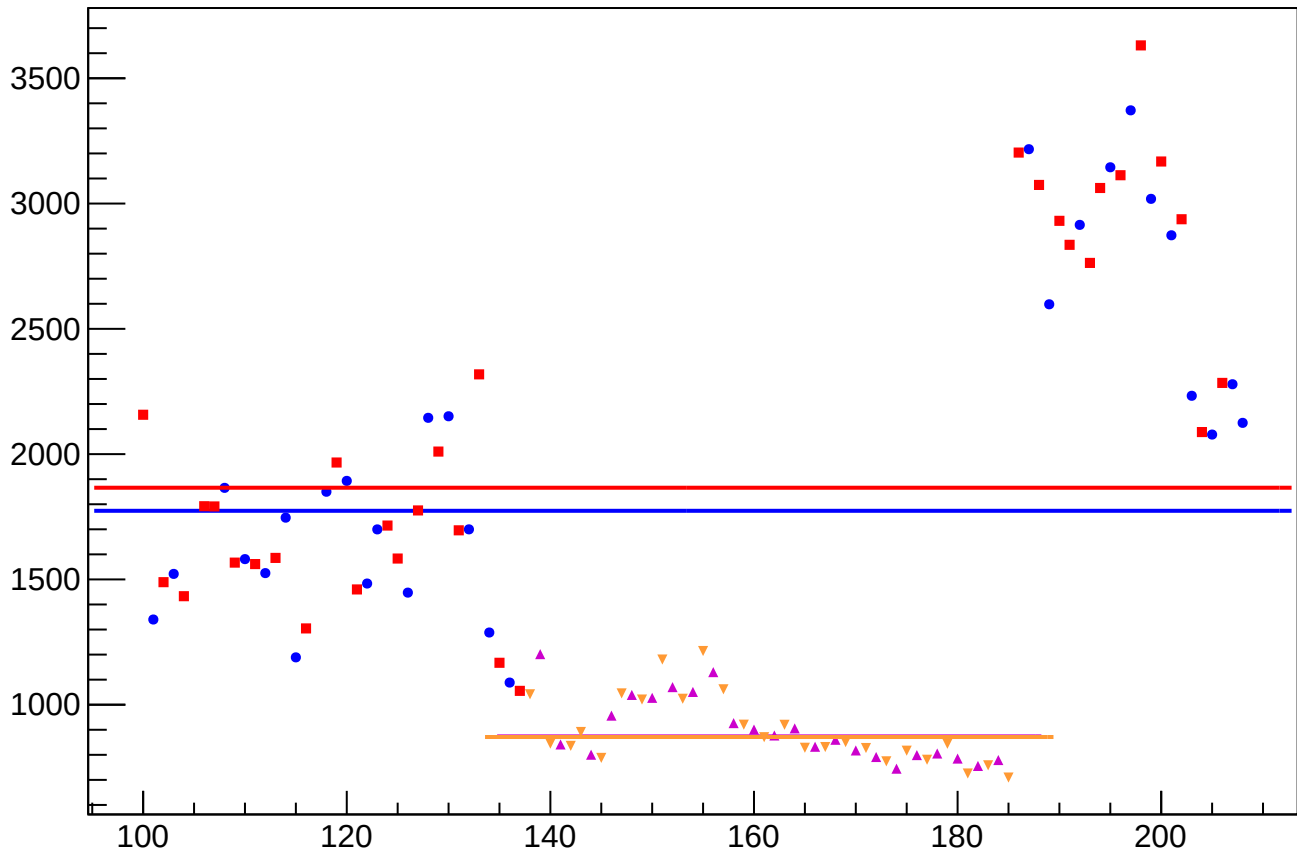
Left In: -28.553 $\pm$ 211.034 χ^2 /NDF: 29.7/22

+ sign 927.722 $\pm$ 189.474 χ^2 /NDF: 87.6/52

All: 541.639 $\pm$ 135.858 χ^2 /NDF: 149.0/106

- sign 133.098 $\pm$ 194.907 χ^2 /NDF: 52.8/53

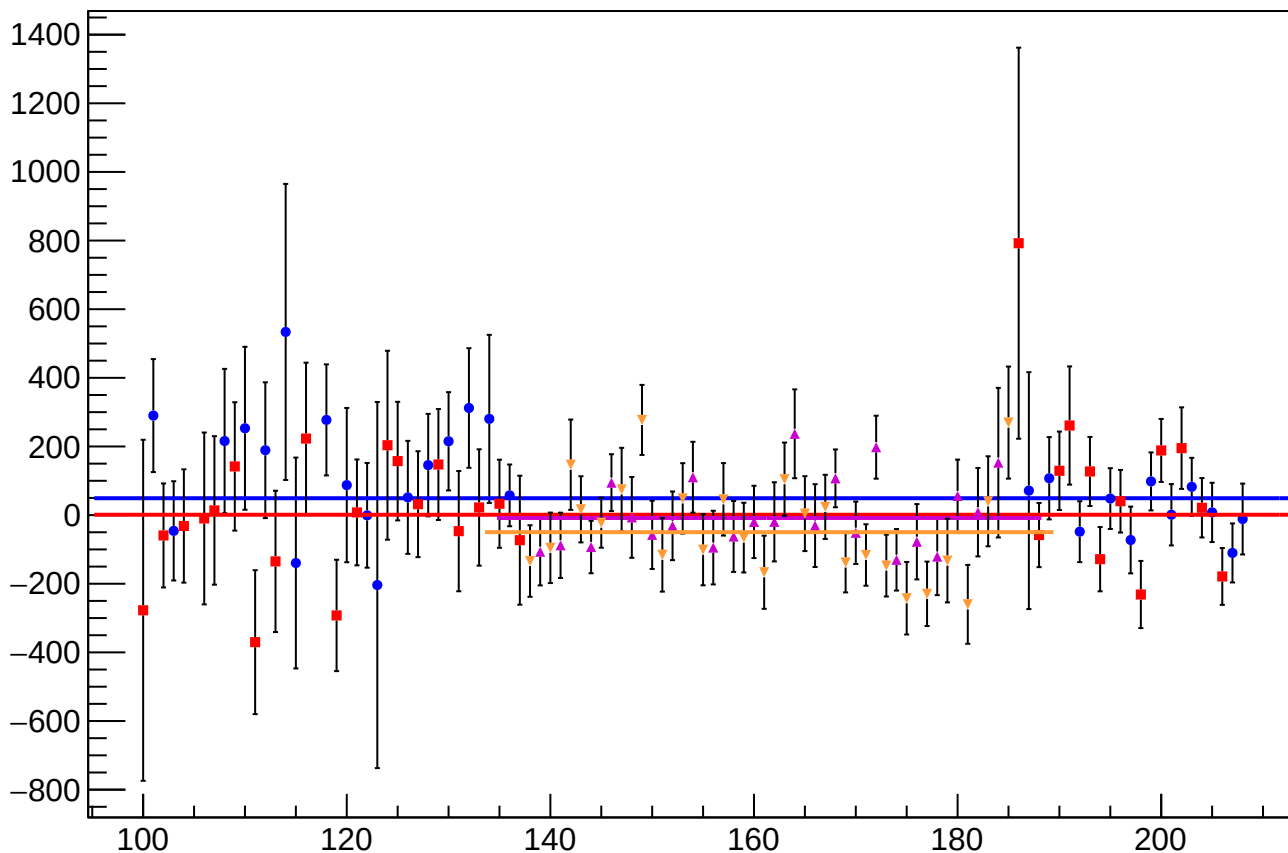
asym_sam_24_68_dd_rms vs Slug



Right In: 1773.850 $\pm$ 0.350 χ^2 /NDF: 2916018.6/27
 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 1003.024 $\pm$ 0.134 χ^2 /NDF: 9232519.2/52
 All: 1011.046 $\pm$ 0.096 χ^2 /NDF: 19448198.7/1
 - sign 1019.536 $\pm$ 0.138 χ^2 /NDF: 10208299.8/53

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 49.180 ± 23.688 $\chi^2/\text{NDF}: 21.2/27$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: 1.006 ± 24.151 $\chi^2/\text{NDF}: 38.2/30$

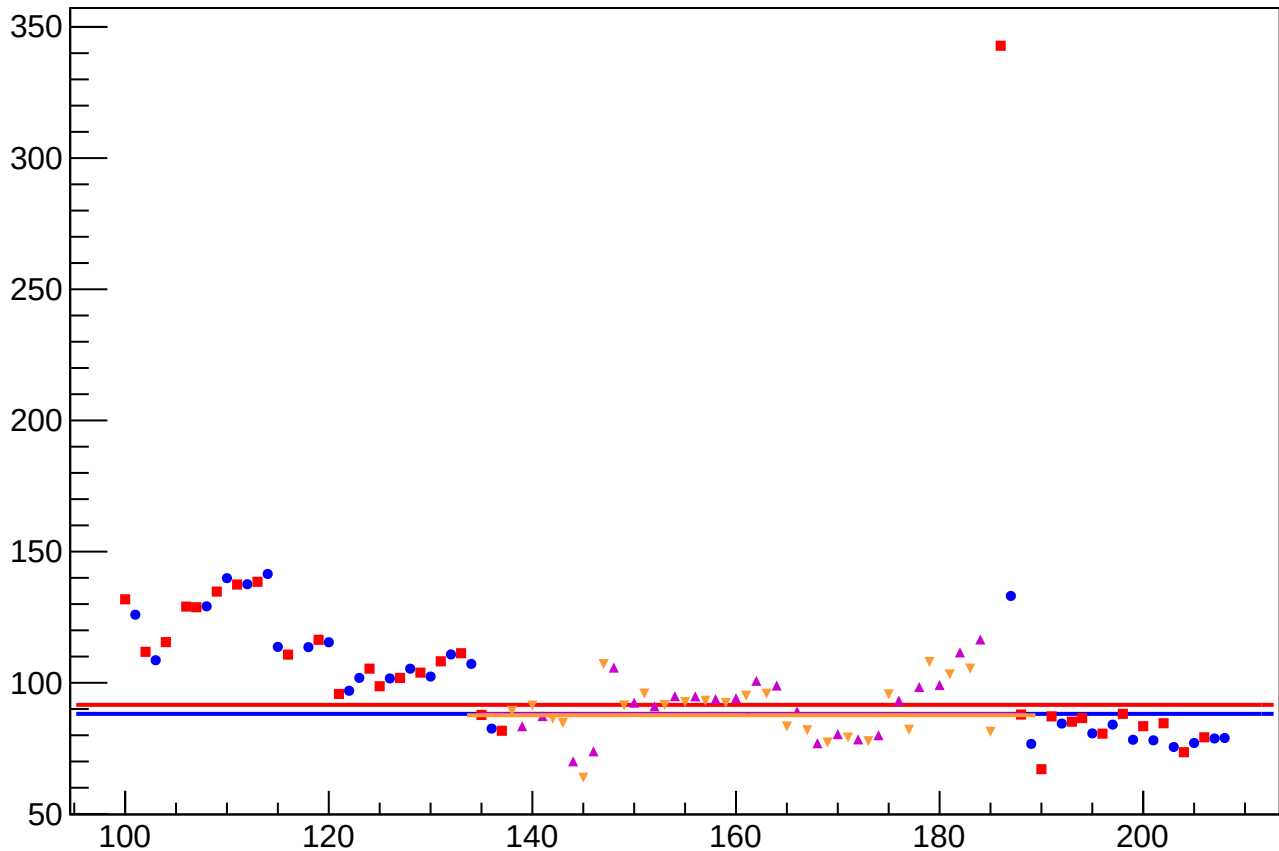
Left In: -8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

+ sign -7.178 ± 15.536 $\chi^2/\text{NDF}: 70.5/52$

All: -5.758 ± 11.133 $\chi^2/\text{NDF}: 130.9/106$

- sign -4.259 ± 15.962 $\chi^2/\text{NDF}: 60.3/53$

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 88.160 $\pm$ 0.017 χ^2 /NDF: 929474.6/27

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

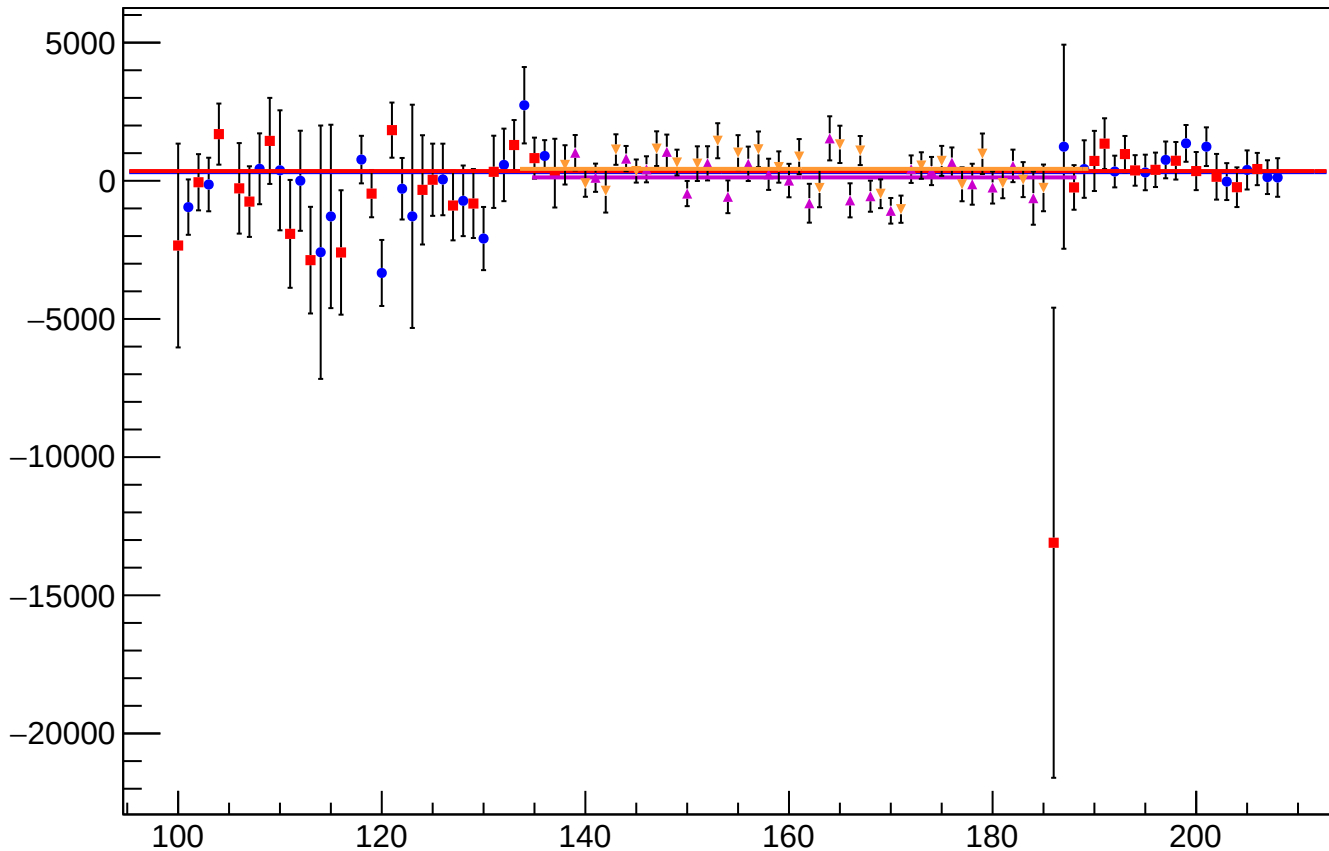
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 87.855 $\pm$ 0.011 χ^2 /NDF: 1484745.9/52

All: 88.698 $\pm$ 0.008 χ^2 /NDF: 3374477.5/106

- sign 89.587 $\pm$ 0.011 χ^2 /NDF: 1877644.1/53

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 312.387 ± 170.626 χ^2/NDF : 26.9/27

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 352.428 ± 168.801 χ^2/NDF : 22.3/30

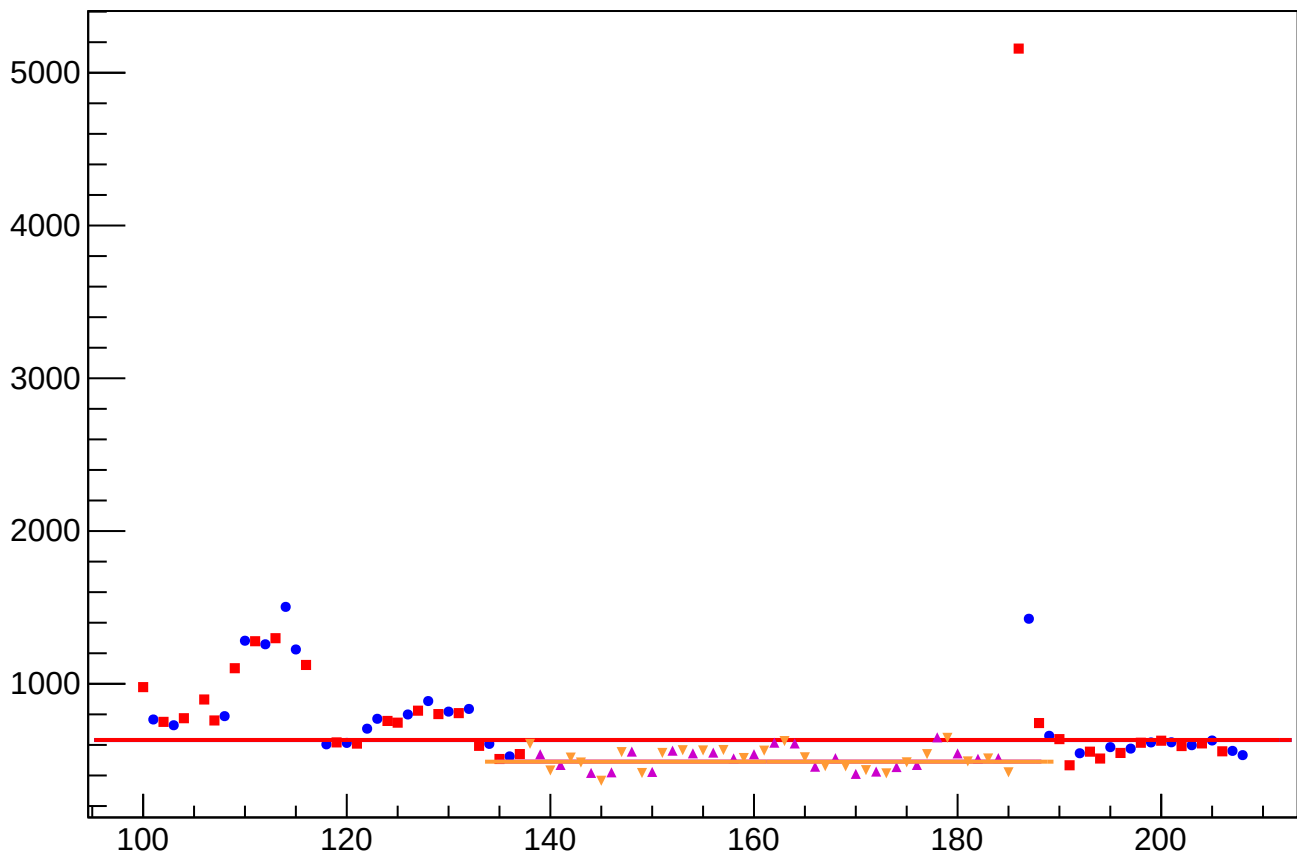
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 394.088 ± 95.763 χ^2/NDF : 57.7/52

All: 297.999 ± 68.210 χ^2/NDF : 112.6/106

- sign 199.050 ± 97.178 χ^2/NDF : 52.8/53

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 631.798 ± 0.121 $\chi^2/\text{NDF}: 1177719.4/27$

Left Out: 490.267 ± 0.082 $\chi^2/\text{NDF}: 750277.0/24$

Right Out: 632.479 ± 0.119 $\chi^2/\text{NDF}: 1970811.1/30$

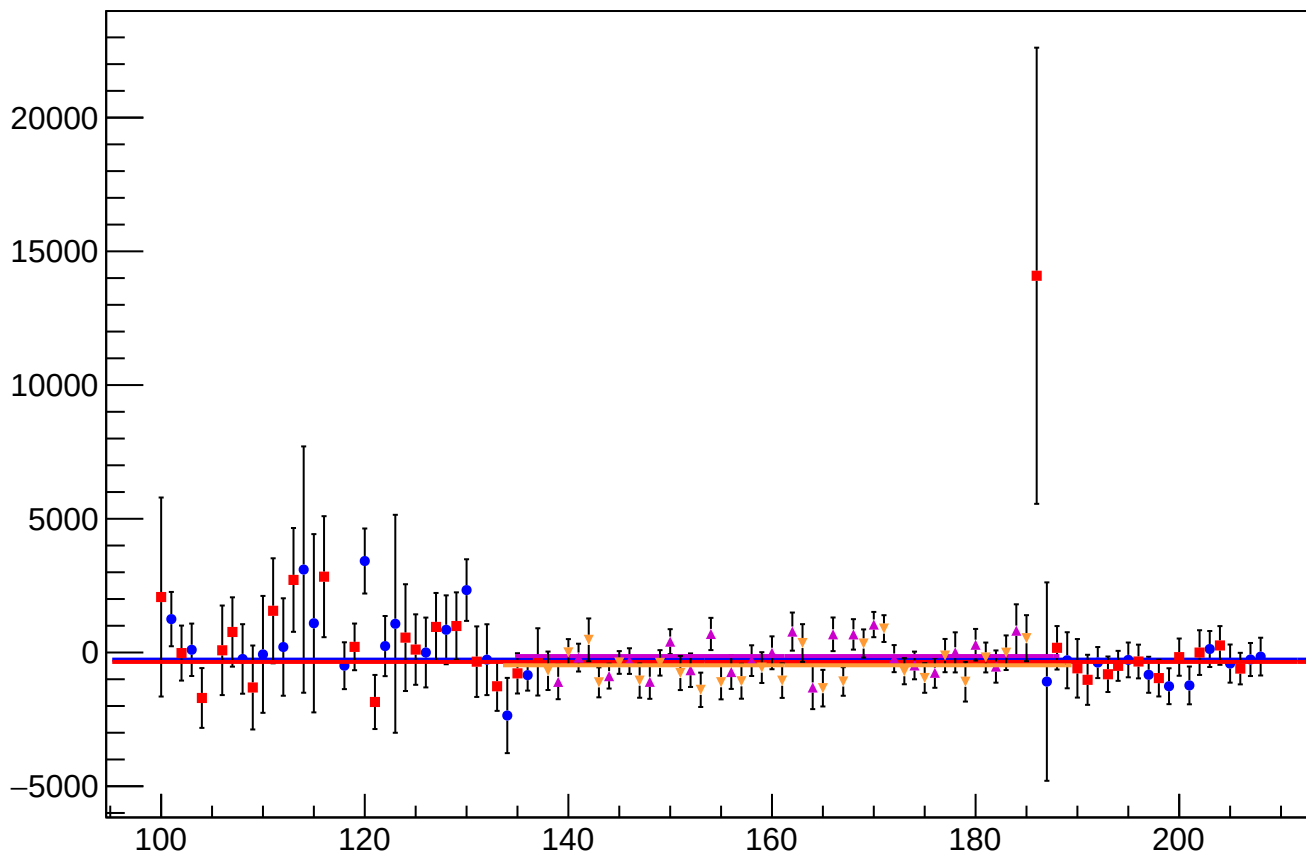
Left In: 490.910 ± 0.084 $\chi^2/\text{NDF}: 589235.5/22$

+ sign 534.849 ± 0.068 $\chi^2/\text{NDF}: 2870618.9/52$

All: 536.318 ± 0.048 $\chi^2/\text{NDF}: 6372138.5/106$

- sign 537.830 ± 0.069 $\chi^2/\text{NDF}: 3500565.2/53$

asym_sam_26_48_dd_mean vs Slug



Right In: -265.822 ± 172.451 χ^2/NDF : 27.1/27

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -352.700 ± 170.775 χ^2/NDF : 21.3/30

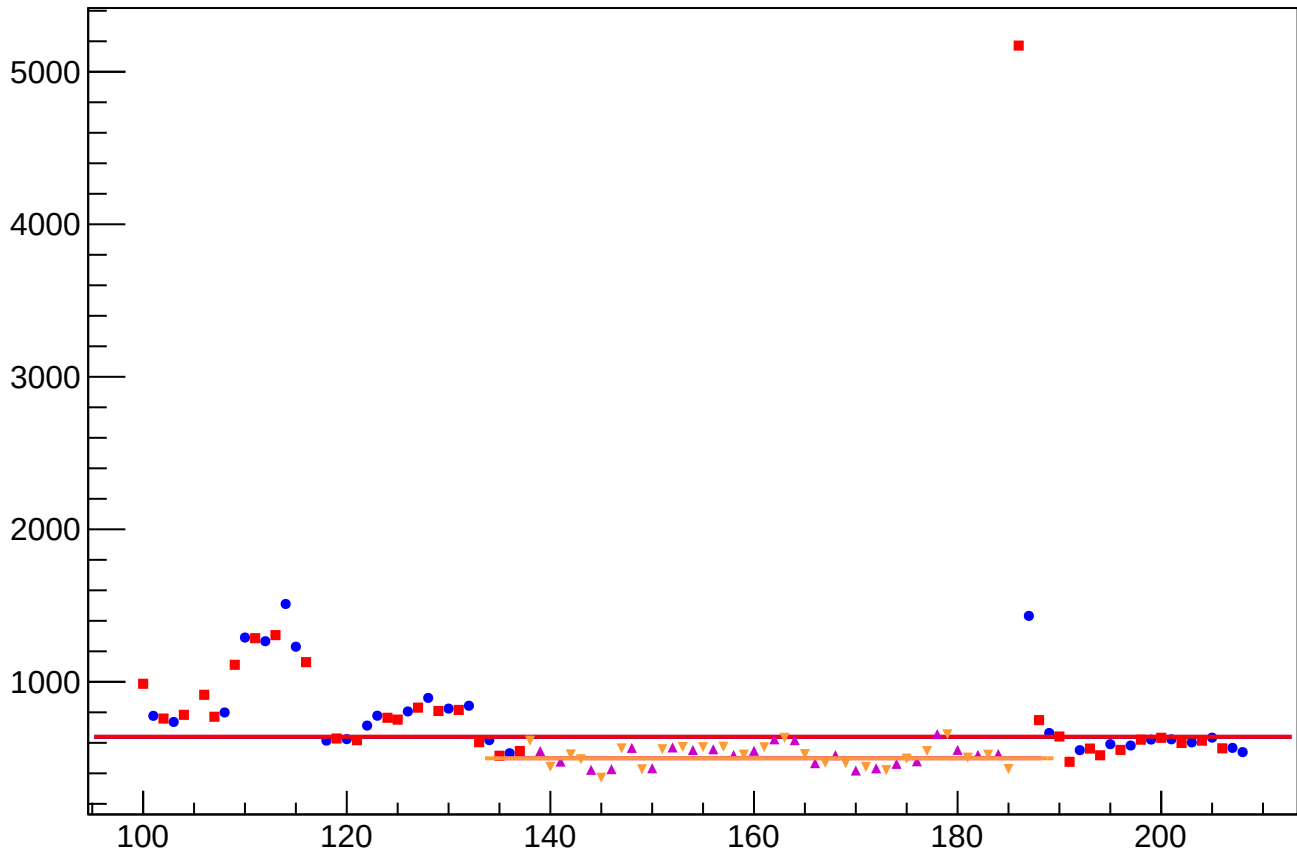
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -410.738 ± 97.192 χ^2/NDF : 55.9/52

All: -309.909 ± 69.237 χ^2/NDF : 110.1/106

- sign -206.018 ± 98.657 χ^2/NDF : 52.0/53

asym_sam_26_48_dd_rms vs Slug



Right In: 638.733+/-0.122 χ^2/NDF : 1166917.5/27

Left Out: 498.754+/-0.083 χ^2/NDF : 734302.8/24

Right Out: 640.141+/-0.121 χ^2/NDF : 1950577.3/30

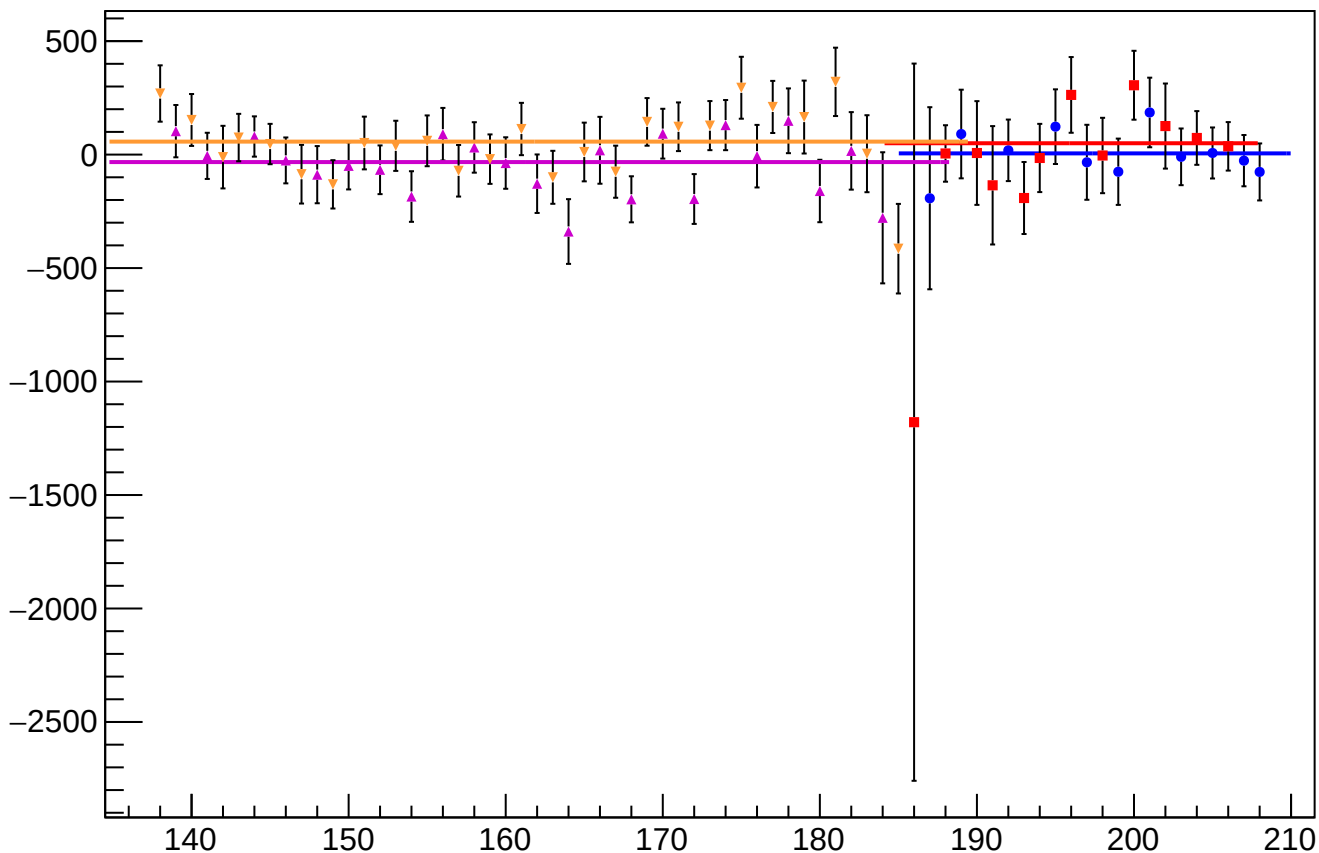
Left In: 499.393+/-0.085 χ^2/NDF : 576539.2/22

+ sign 543.217+/-0.069 χ^2/NDF : 2800378.7/52

All: 544.768+/-0.049 χ^2/NDF : 6233660.7/106

- sign 546.366+/-0.070 χ^2/NDF : 3432247.9/53

reg_asym_sam_1548_avg_mean vs Slug



Right In: 5.347 ± 43.238 $\chi^2/\text{NDF}: 3.2/10$

Left Out: 57.211 ± 23.714 $\chi^2/\text{NDF}: 29.2/24$

Right Out: 50.025 ± 45.366 $\chi^2/\text{NDF}: 8.6/11$

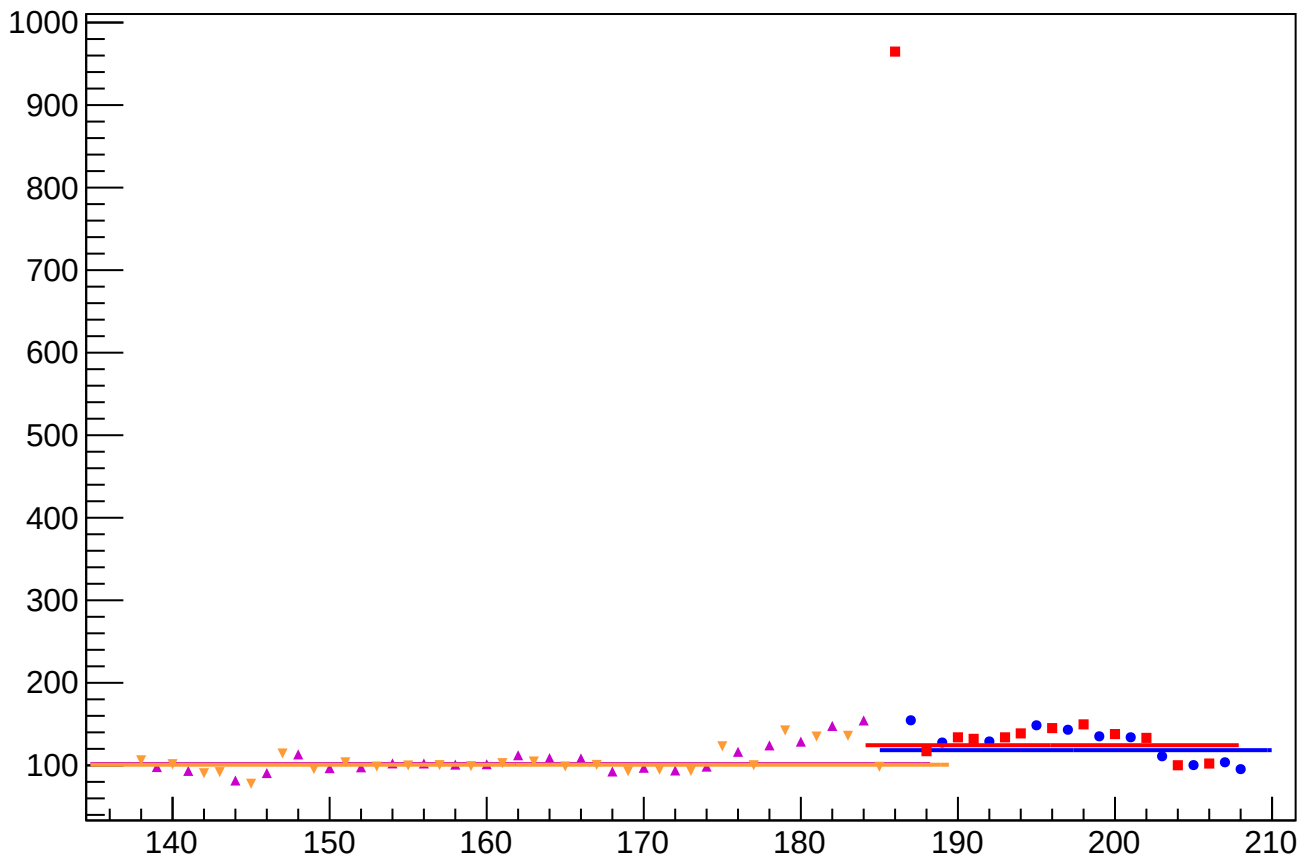
Left In: -32.948 ± 24.587 $\chi^2/\text{NDF}: 23.6/22$

+ sign 45.218 ± 20.792 $\chi^2/\text{NDF}: 33.5/35$

All: 16.707 ± 14.985 $\chi^2/\text{NDF}: 72.2/70$

- sign -14.110 ± 21.617 $\chi^2/\text{NDF}: 34.8/34$

reg_asym_sam_1548_avg_rms vs Slug



Right In: 118.416 $\pm$ 0.031 χ^2 /NDF: 351777.2/10

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

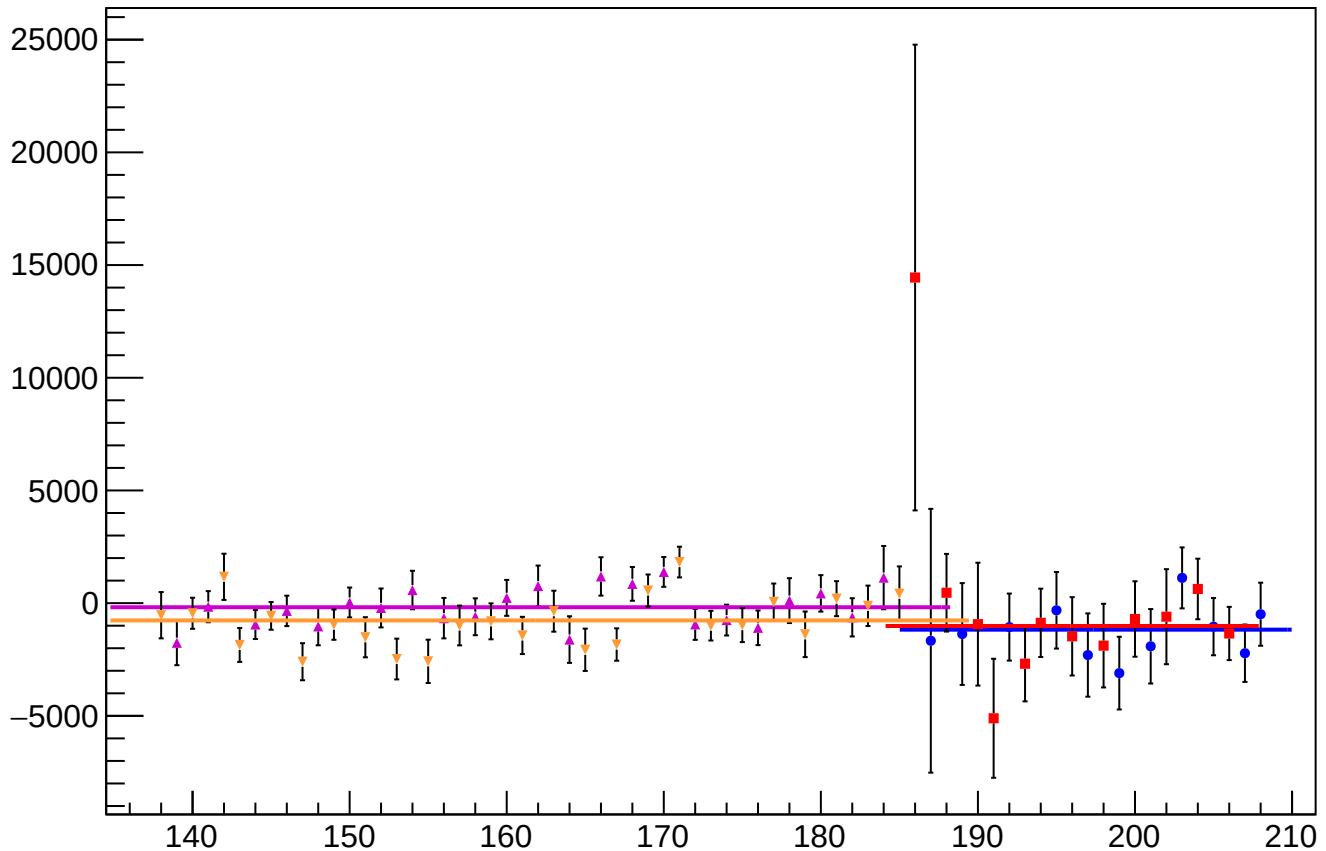
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 104.874 $\pm$ 0.015 χ^2 /NDF: 1207491.7/35

All: 105.799 $\pm$ 0.011 χ^2 /NDF: 3059494.2/70

- sign 106.798 $\pm$ 0.015 χ^2 /NDF: 1843769.6/34

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1175.762 ± 478.718 χ^2/NDF : 6.1/10

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1013.539 ± 506.901 χ^2/NDF : 8.3/11

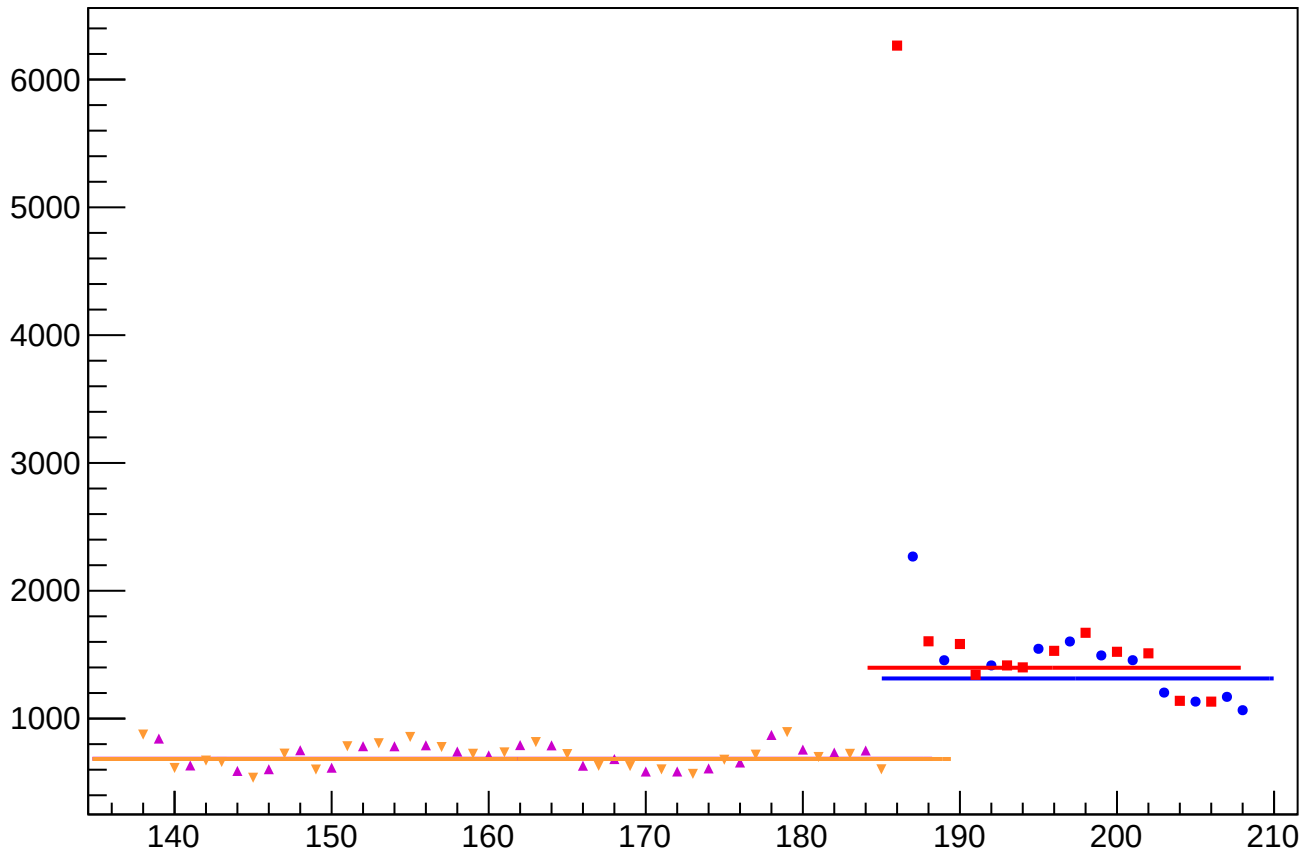
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -807.990 ± 152.657 χ^2/NDF : 53.3/35

All: -543.411 ± 109.608 χ^2/NDF : 95.2/70

- sign -261.875 ± 157.474 χ^2/NDF : 35.8/34

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1313.960 ± 0.339 $\chi^2/\text{NDF}: 339428.0/10$

Left Out: 683.884 ± 0.114 $\chi^2/\text{NDF}: 667158.2/24$

Right Out: 1397.721 ± 0.358 $\chi^2/\text{NDF}: 730039.5/11$

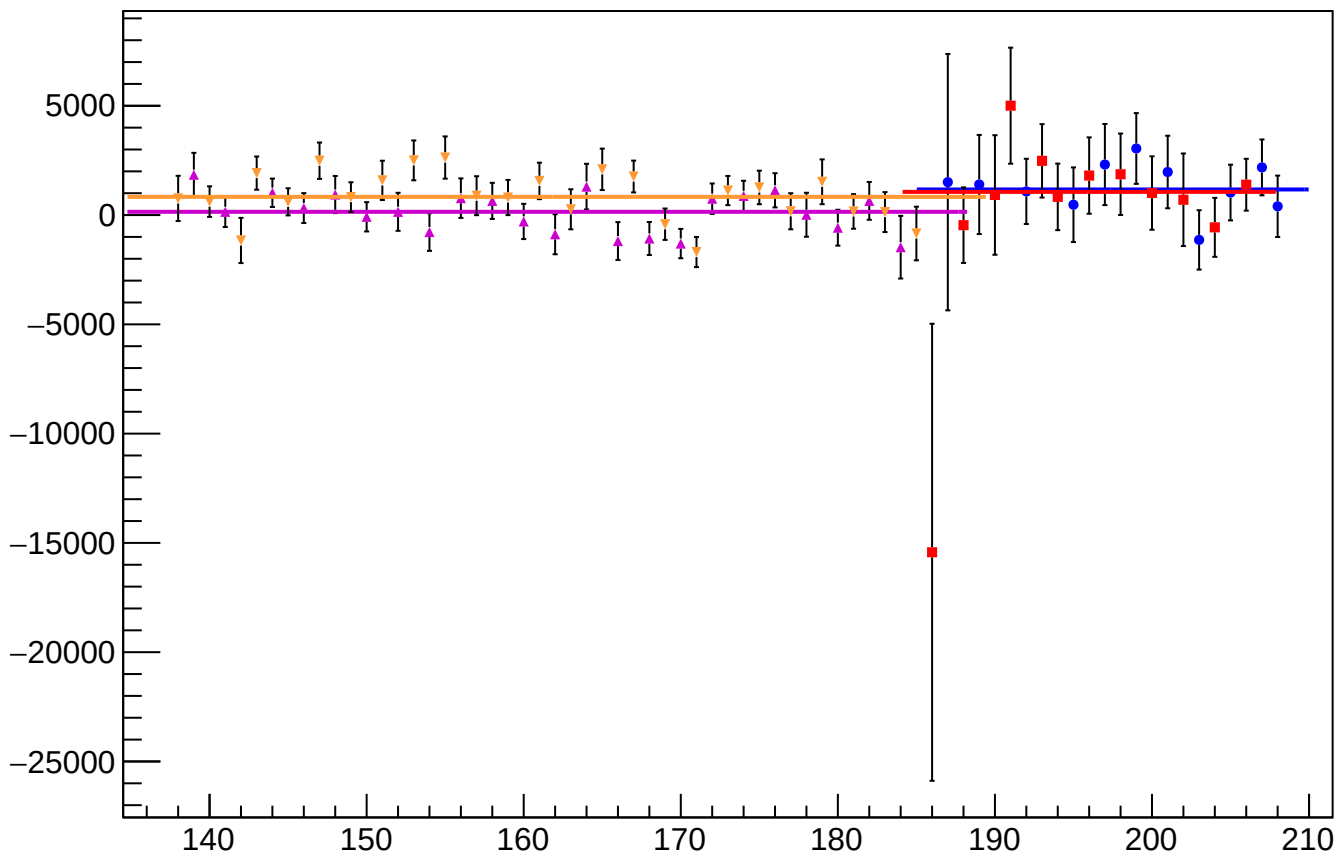
Left In: 685.593 ± 0.117 $\chi^2/\text{NDF}: 529353.6/22$

+ sign 747.957 ± 0.108 $\chi^2/\text{NDF}: 4118898.1/35$

All: 751.039 ± 0.078 $\chi^2/\text{NDF}: 8946323.3/70$

- sign 754.320 ± 0.111 $\chi^2/\text{NDF}: 4825741.7/34$

asym_sam_1548_avg_mean vs Slug



Right In: 1171.547 $\pm$ 480.748 χ^2 /NDF: 6.0/10

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

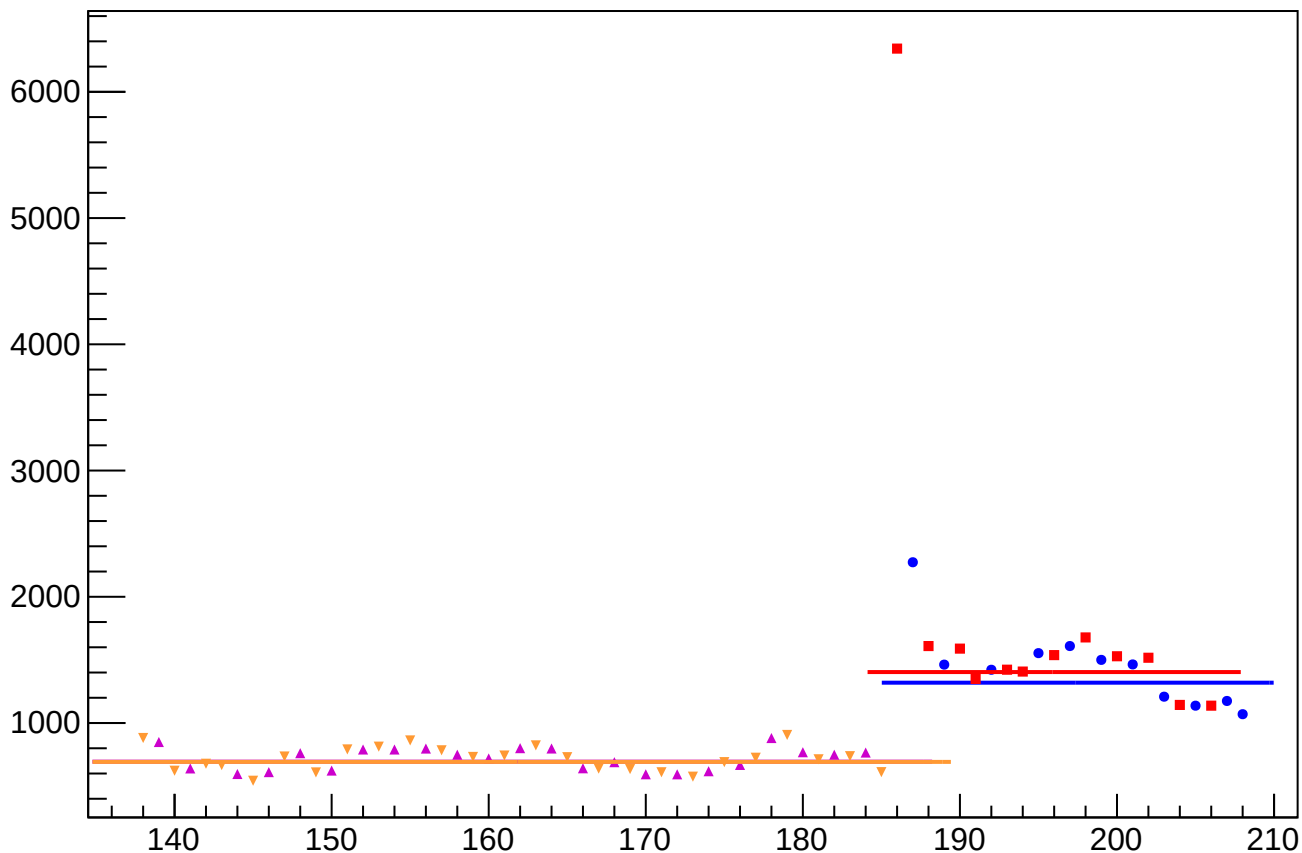
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF: 26.0/22

+ sign 868.247 $\pm$ 154.339 χ^2 /NDF: 49.6/35

All: 563.032 $\pm$ 110.824 χ^2 /NDF: 94.8/70

- sign 238.155 $\pm$ 159.233 χ^2 /NDF: 37.1/34

asym_sam_1548_avg_rms vs Slug



Right In: 1319.527+/-0.340 χ^2/NDF : 339914.0/10

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1403.687+/-0.360 χ^2/NDF : 732269.6/11

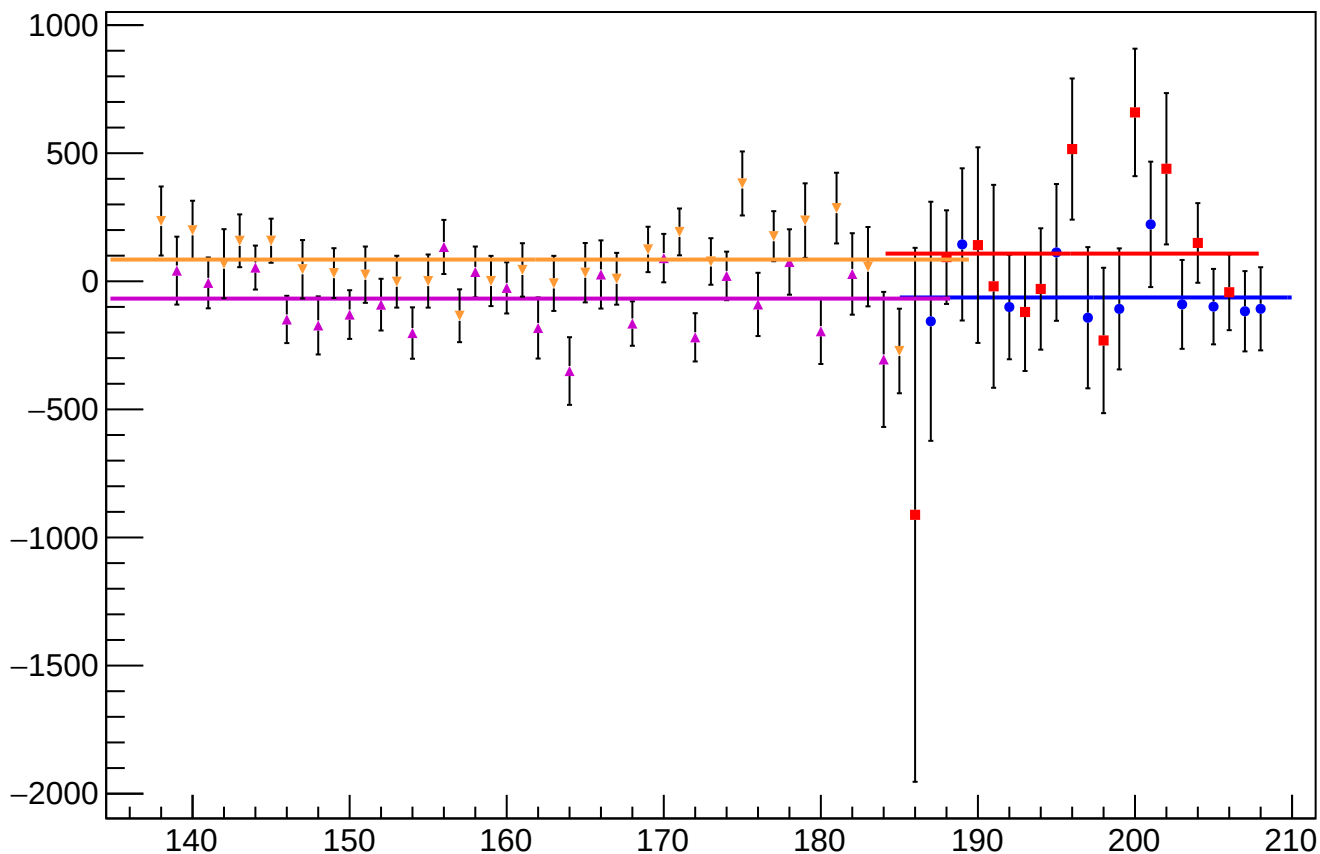
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 756.763+/-0.109 χ^2/NDF : 4052708.3/35

All: 759.935+/-0.078 χ^2/NDF : 8816580.1/70

- sign 763.311+/-0.113 χ^2/NDF : 4762128.2/34

reg_asym_sam_3748_avg_mean vs Slug



Right In: -63.128 ± 62.038 χ^2/NDF : 2.7/10

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 108.080 ± 67.266 χ^2/NDF : 13.3/11

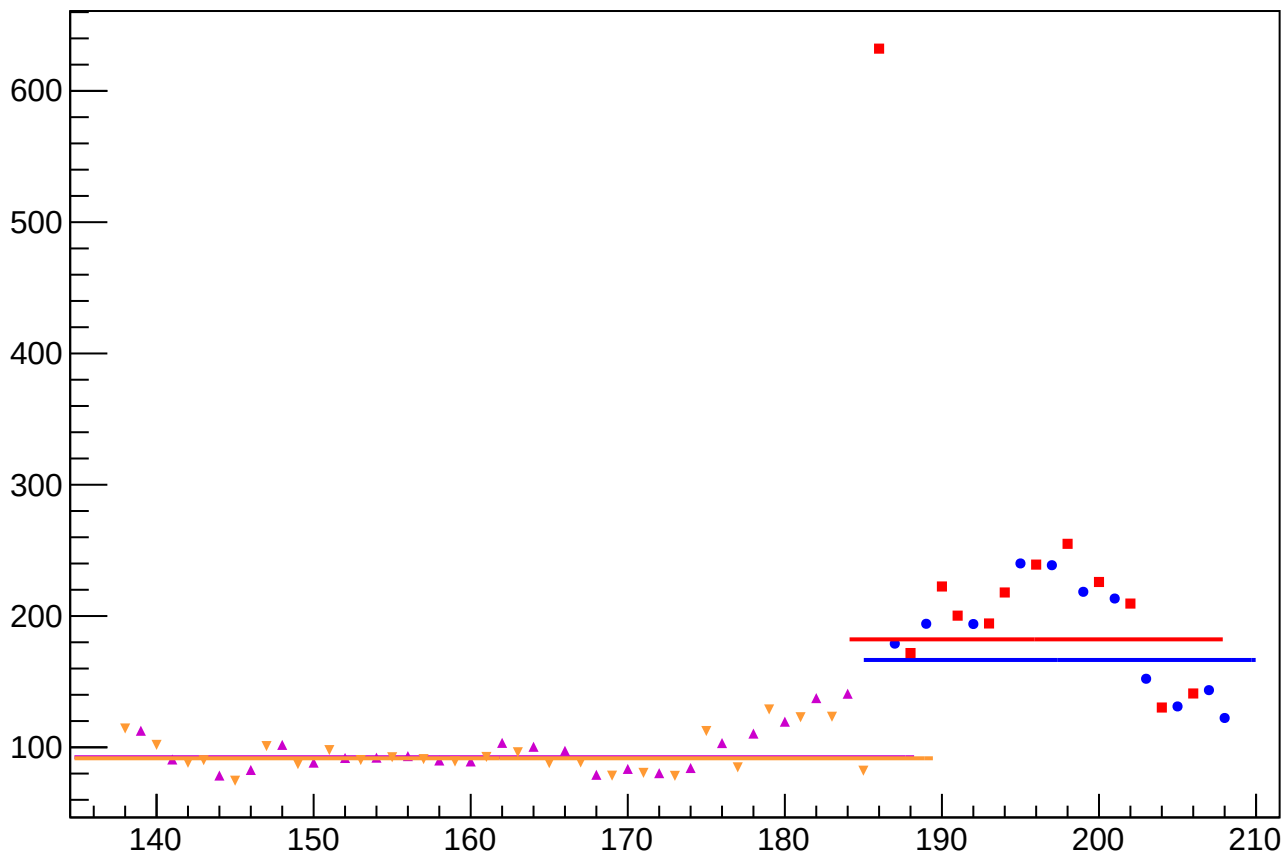
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 68.803 ± 20.435 χ^2/NDF : 36.3/35

All: 11.871 ± 14.744 χ^2/NDF : 100.8/70

- sign -49.950 ± 21.295 χ^2/NDF : 48.3/34

reg_asym_sam_3748_avg_rms vs Slug



Right In: 166.530 $\pm$ 0.044 χ^2 /NDF: 833897.6/10

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

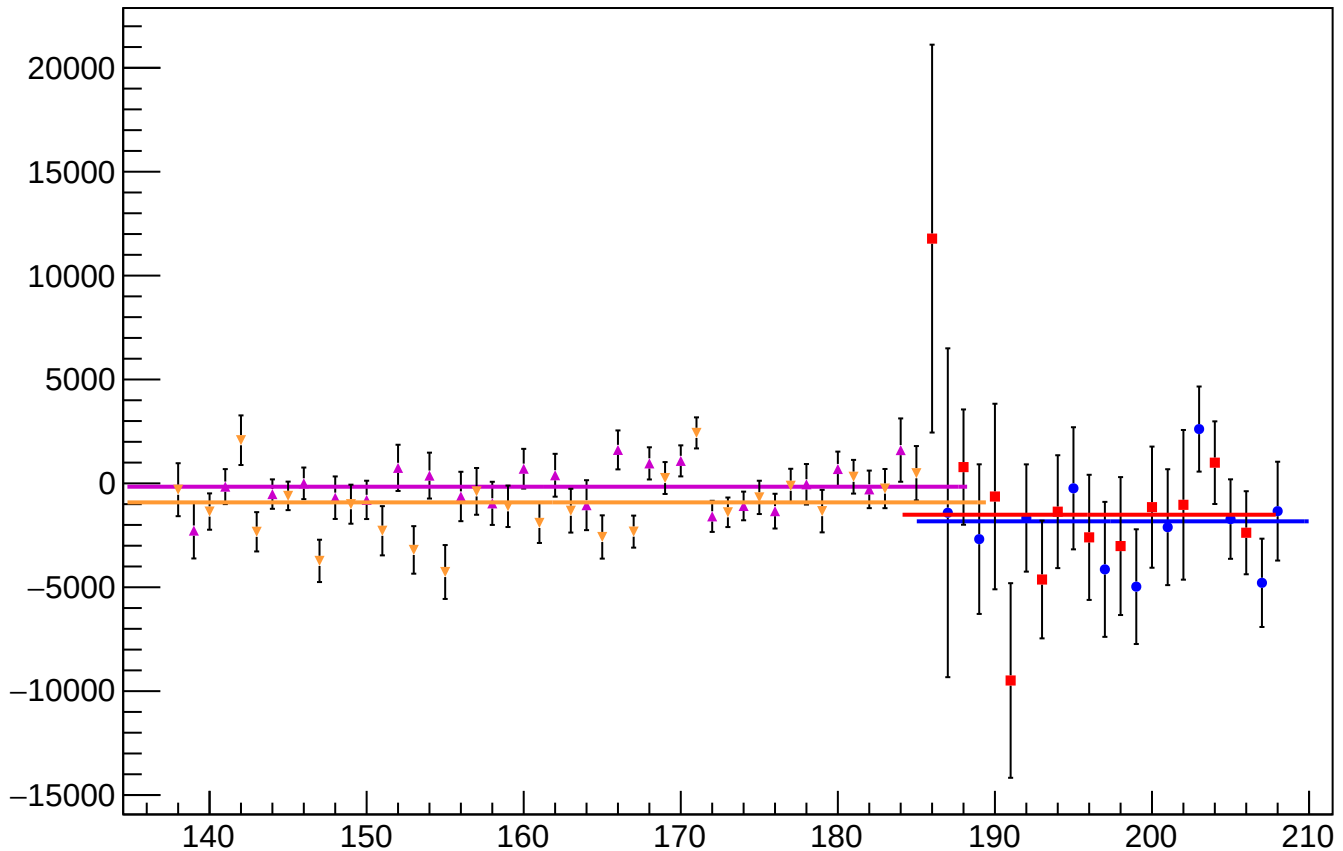
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 99.759 $\pm$ 0.014 χ^2 /NDF: 4125793.3/35

All: 100.575 $\pm$ 0.010 χ^2 /NDF: 9123519.2/70

- sign 101.462 $\pm$ 0.015 χ^2 /NDF: 4991069.6/34

asym_sam_3748_avg_correction_mean vs Slug



Right In: -1826.372+/-784.843 χ^2/NDF : 8.9/10

Left Out: -914.719+/-185.341 χ^2/NDF : 64.2/24

Right Out: -1508.618+/-846.333 χ^2/NDF : 9.0/11

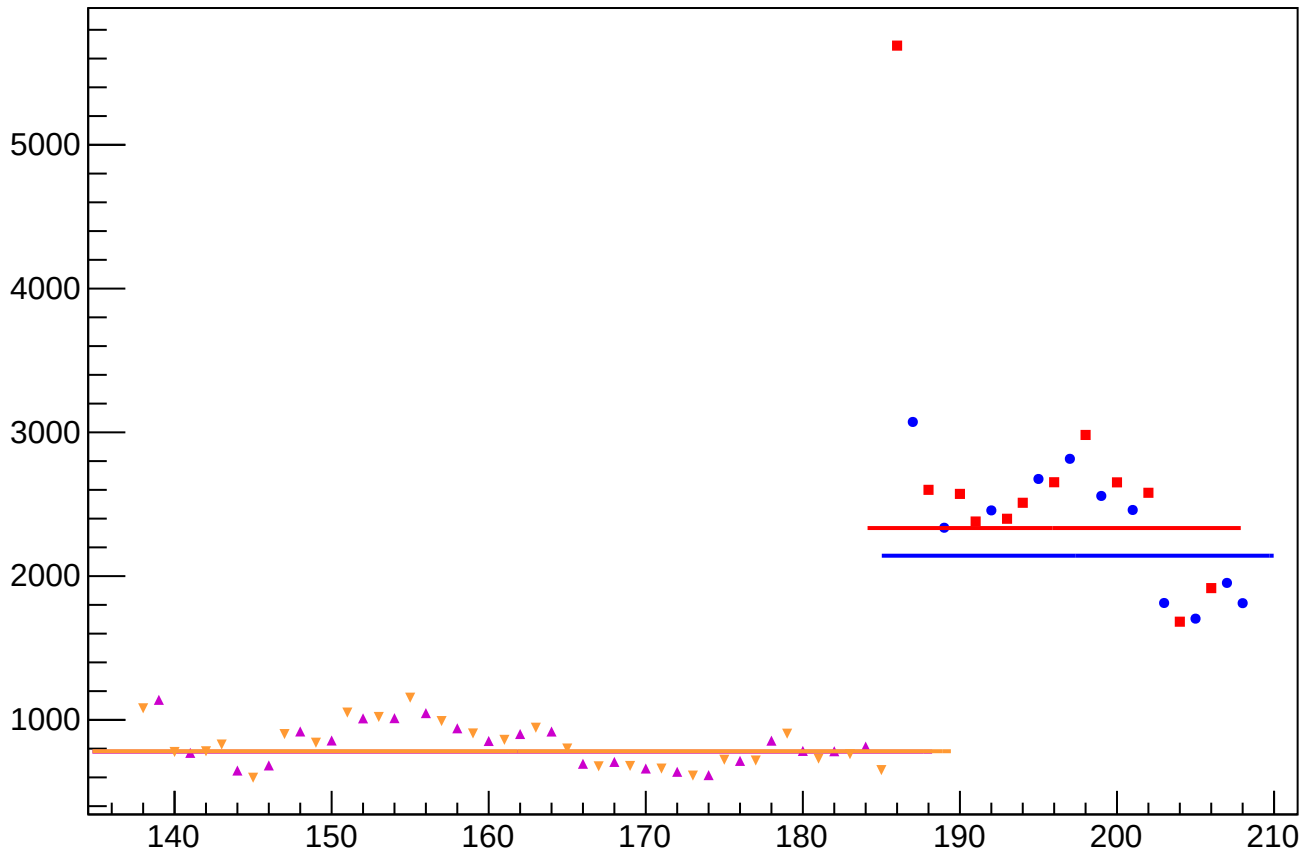
Left In: -161.076+/-189.491 χ^2/NDF : 25.1/22

+ sign -962.874+/-180.379 χ^2/NDF : 74.3/35

All: -603.289+/-129.120 χ^2/NDF : 119.0/70

- sign -225.403+/-184.913 χ^2/NDF : 36.5/34

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2141.997 $\pm$ 0.555 χ^2 /NDF: 497452.0/10

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

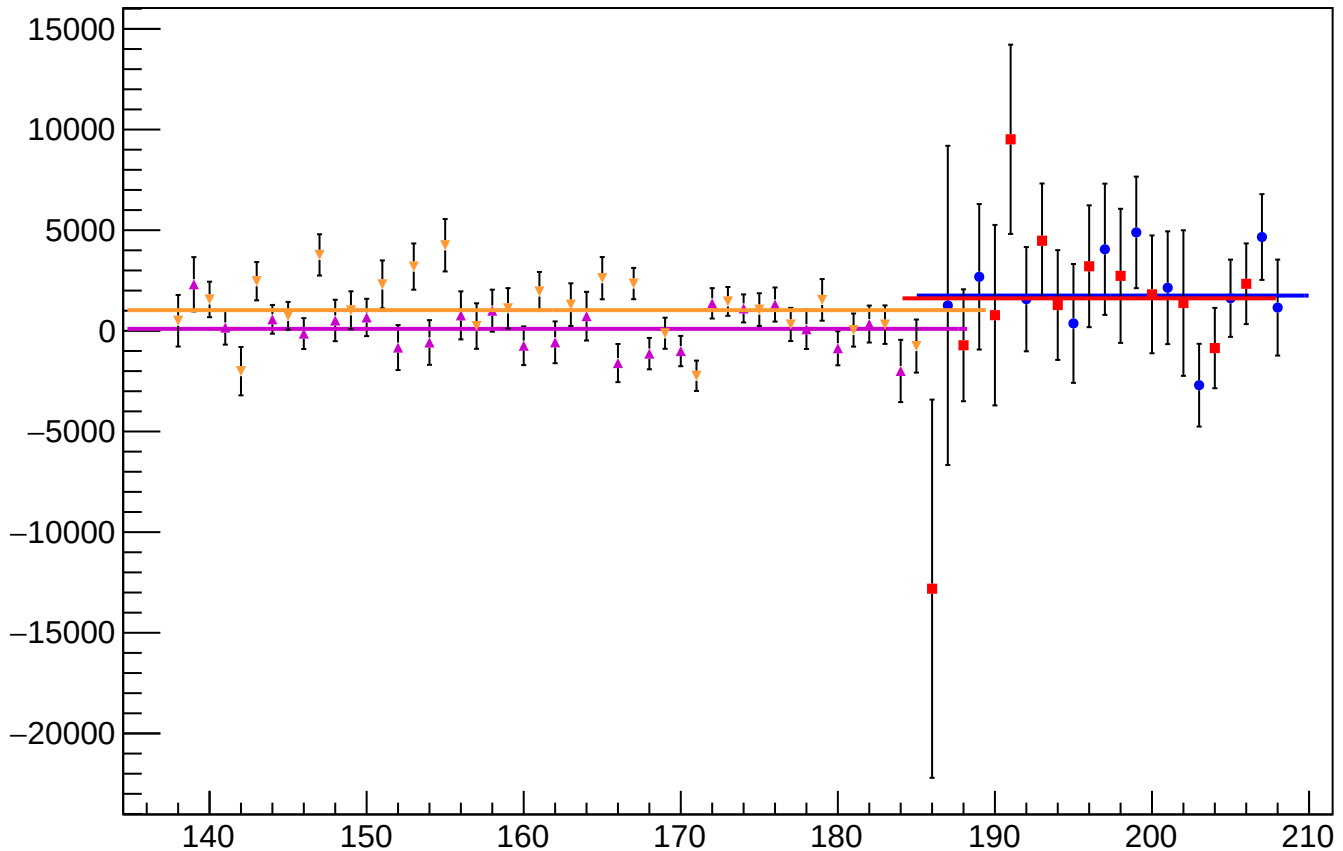
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 853.876 $\pm$ 0.128 χ^2 /NDF: 7316260.3/35

All: 853.568 $\pm$ 0.091 χ^2 /NDF: 15454520.7/70

- sign 853.244 $\pm$ 0.131 χ^2 /NDF: 8138248.4/34

asym_sam_3748_avg_mean vs Slug



Right In: 1751.860 ± 787.517 χ^2/NDF : 8.7/10

Left Out: 1028.864 ± 186.810 χ^2/NDF : 60.2/24

Right Out: 1615.058 ± 849.285 χ^2/NDF : 9.0/11

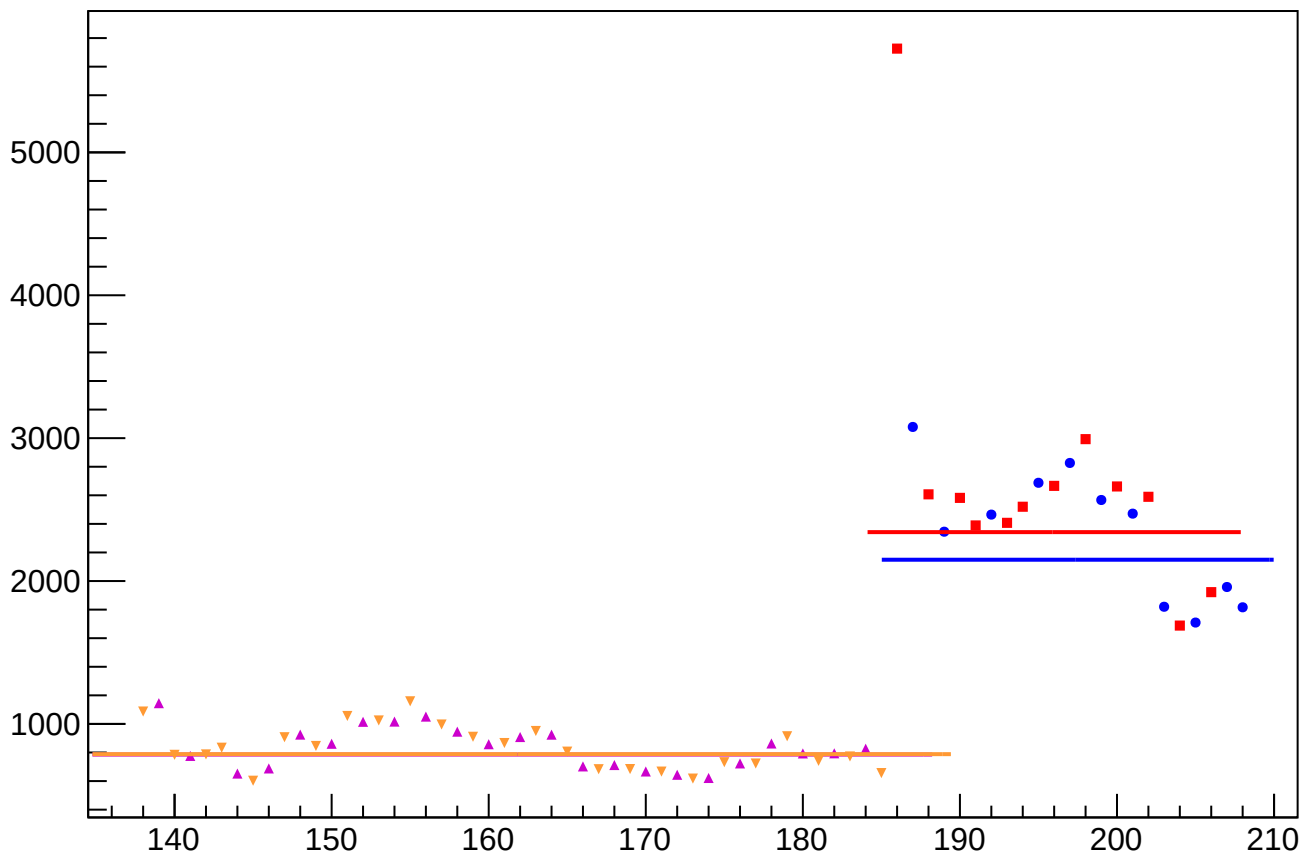
Left In: 98.691 ± 191.027 χ^2/NDF : 25.4/22

+ sign 1067.380 ± 181.766 χ^2/NDF : 69.7/35

All: 630.747 ± 130.125 χ^2/NDF : 118.9/70

- sign 171.713 ± 186.371 χ^2/NDF : 37.4/34

asym_sam_3748_avg_rms vs Slug



Right In: 2149.159+/-0.557 χ^2/NDF : 499341.3/10

Left Out: 788.442+/-0.132 χ^2/NDF : 1113741.6/24

Right Out: 2342.342+/-0.601 χ^2/NDF : 728107.4/11

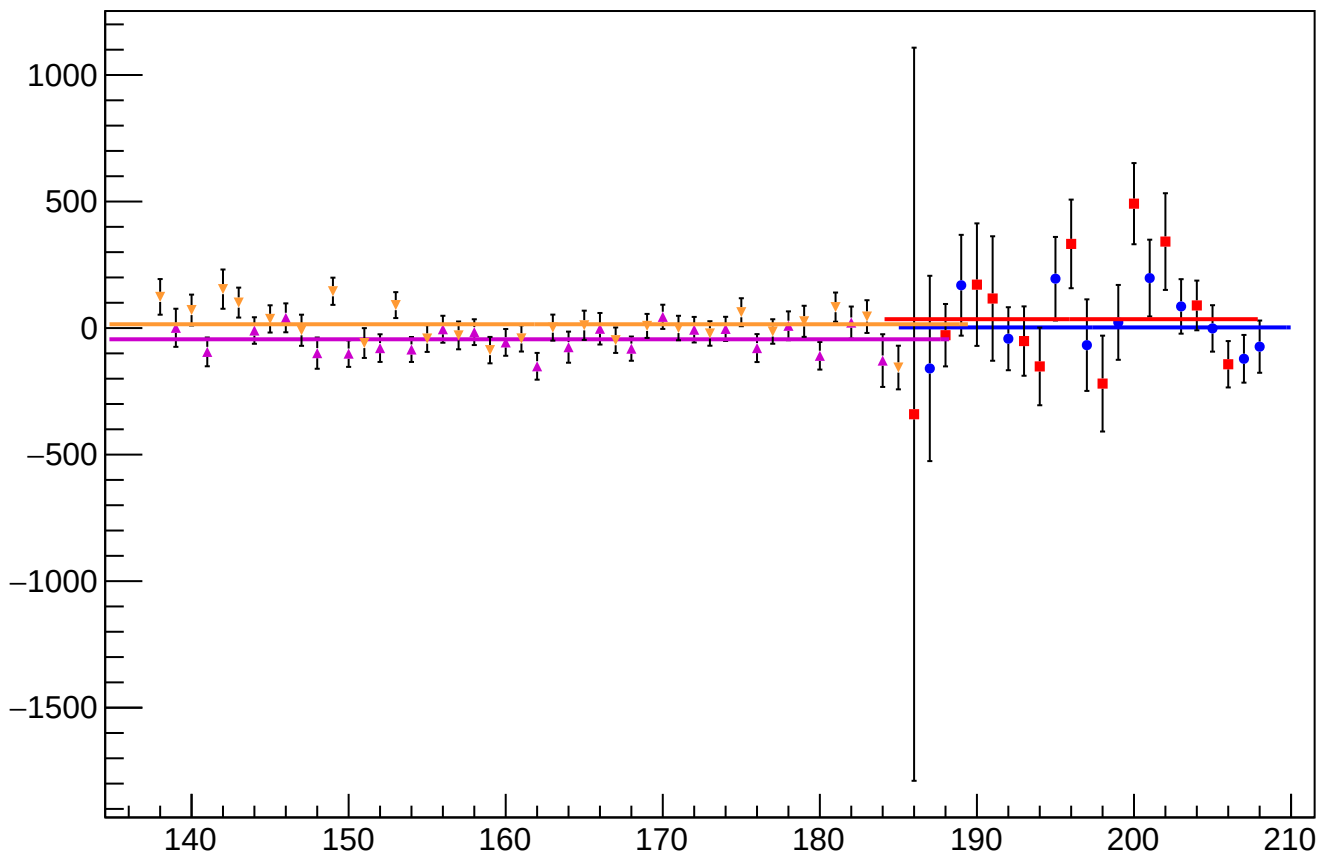
Left In: 785.490+/-0.135 χ^2/NDF : 965338.9/22

+ sign 860.931+/-0.129 χ^2/NDF : 7265965.9/35

All: 860.702+/-0.092 χ^2/NDF : 15356519.2/70

- sign 860.462+/-0.132 χ^2/NDF : 8090546.9/34

reg_asym_sam_1526_avg_mean vs Slug



Right In: 2.621 ± 38.776 $\chi^2/\text{NDF}: 7.1/10$

Left Out: 15.099 ± 11.154 $\chi^2/\text{NDF}: 34.2/24$

Right Out: 35.126 ± 42.828 $\chi^2/\text{NDF}: 22.1/11$

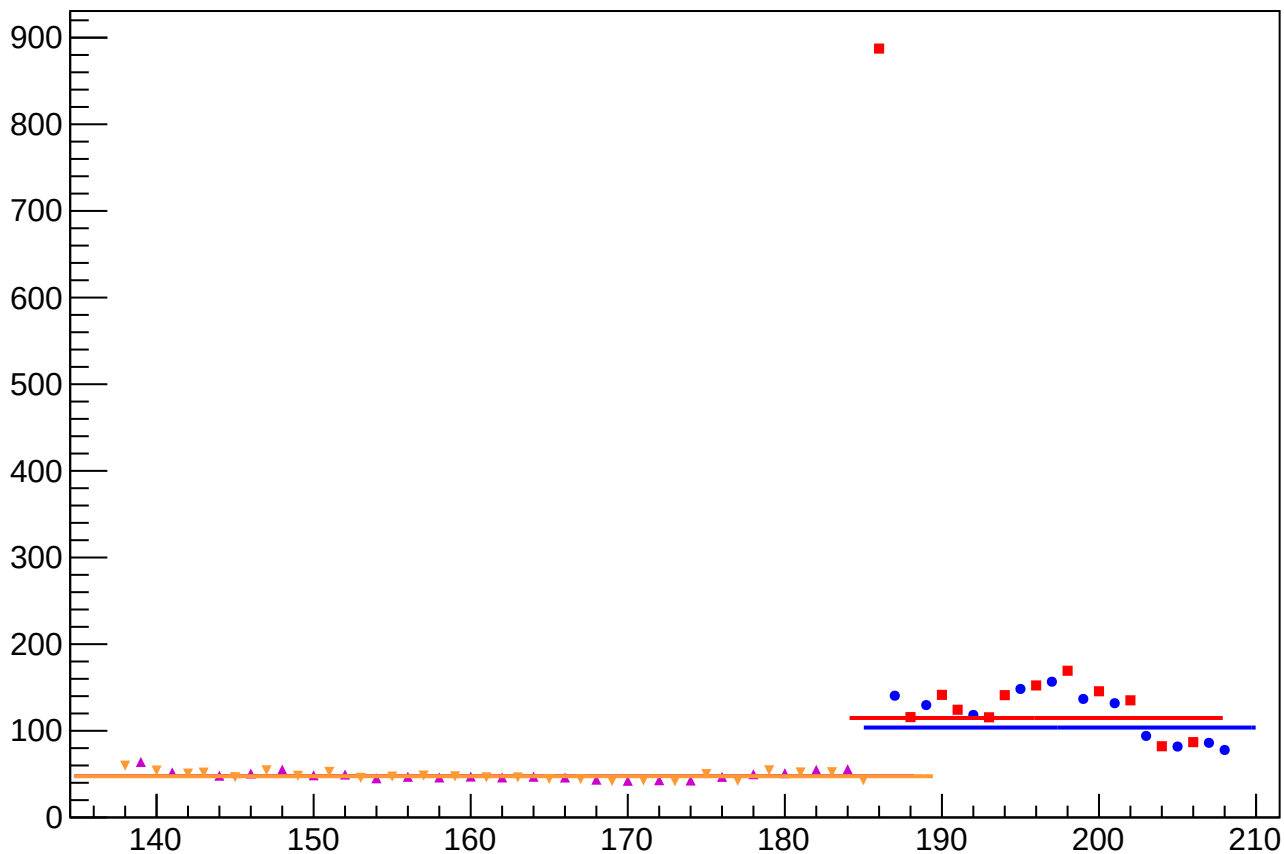
Left In: -44.297 ± 11.530 $\chi^2/\text{NDF}: 22.3/22$

+ sign 14.145 ± 10.720 $\chi^2/\text{NDF}: 41.4/35$

All: -11.388 ± 7.722 $\chi^2/\text{NDF}: 100.7/70$

- sign -38.930 ± 11.133 $\chi^2/\text{NDF}: 47.6/34$

reg_asym_sam_1526_avg_rms vs Slug



Right In: 103.760 $\pm$ 0.027 χ^2 /NDF: 892750.3/10

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

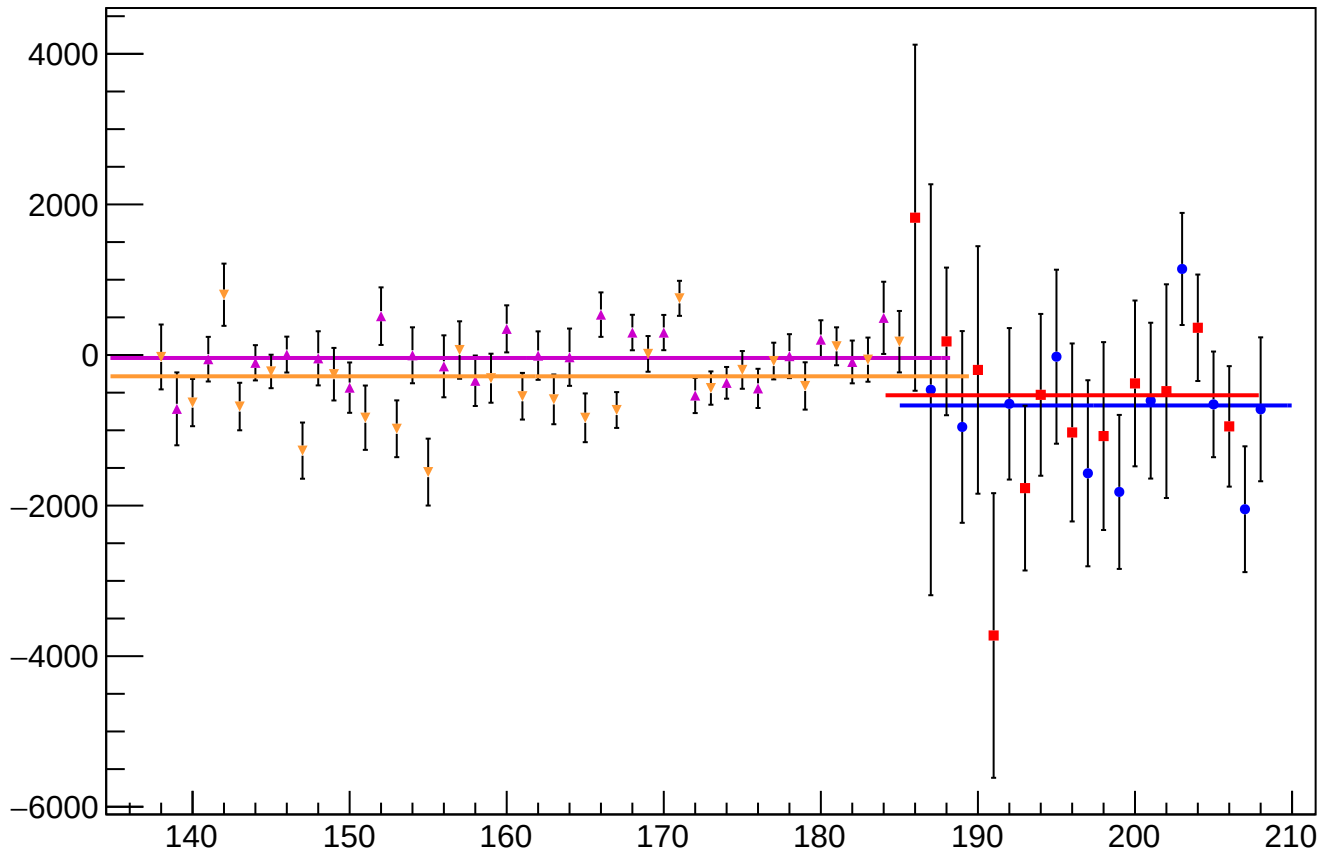
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF:281790.1/22

+ sign 51.879 $\pm$ 0.008 χ^2 /NDF: 5082264.2/35

All: 52.116 $\pm$ 0.005 χ^2 /NDF: 11341408.9/70

- sign 52.372 $\pm$ 0.008 χ^2 /NDF: 6257115.6/34

asym_sam_1526_avg_correction_mean vs Slug



Right In: -669.979 ± 296.247 χ^2/NDF : 10.8/10

Left Out: -282.798 ± 59.690 χ^2/NDF : 66.5/24

Right Out: -534.663 ± 319.073 χ^2/NDF : 8.0/11

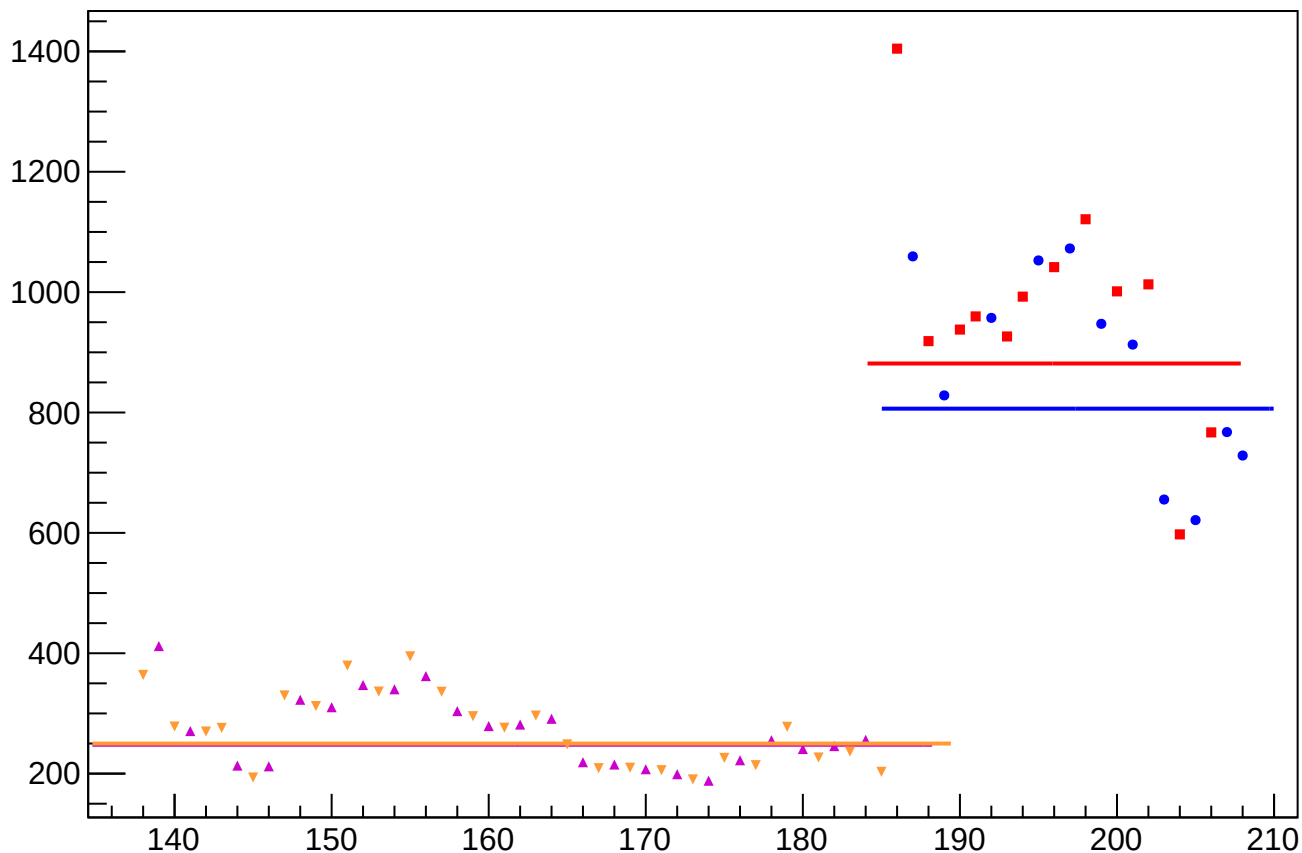
Left In: -39.432 ± 60.759 χ^2/NDF : 27.5/22

+ sign -297.903 ± 58.514 χ^2/NDF : 79.0/35

All: -179.724 ± 41.784 χ^2/NDF : 125.2/70

- sign -56.761 ± 59.686 χ^2/NDF : 37.9/34

asym_sam_1526_avg_correction_rms vs Slug



Right In: 806.398 $\pm$ 0.209 χ^2 /NDF: 544624.7/10

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

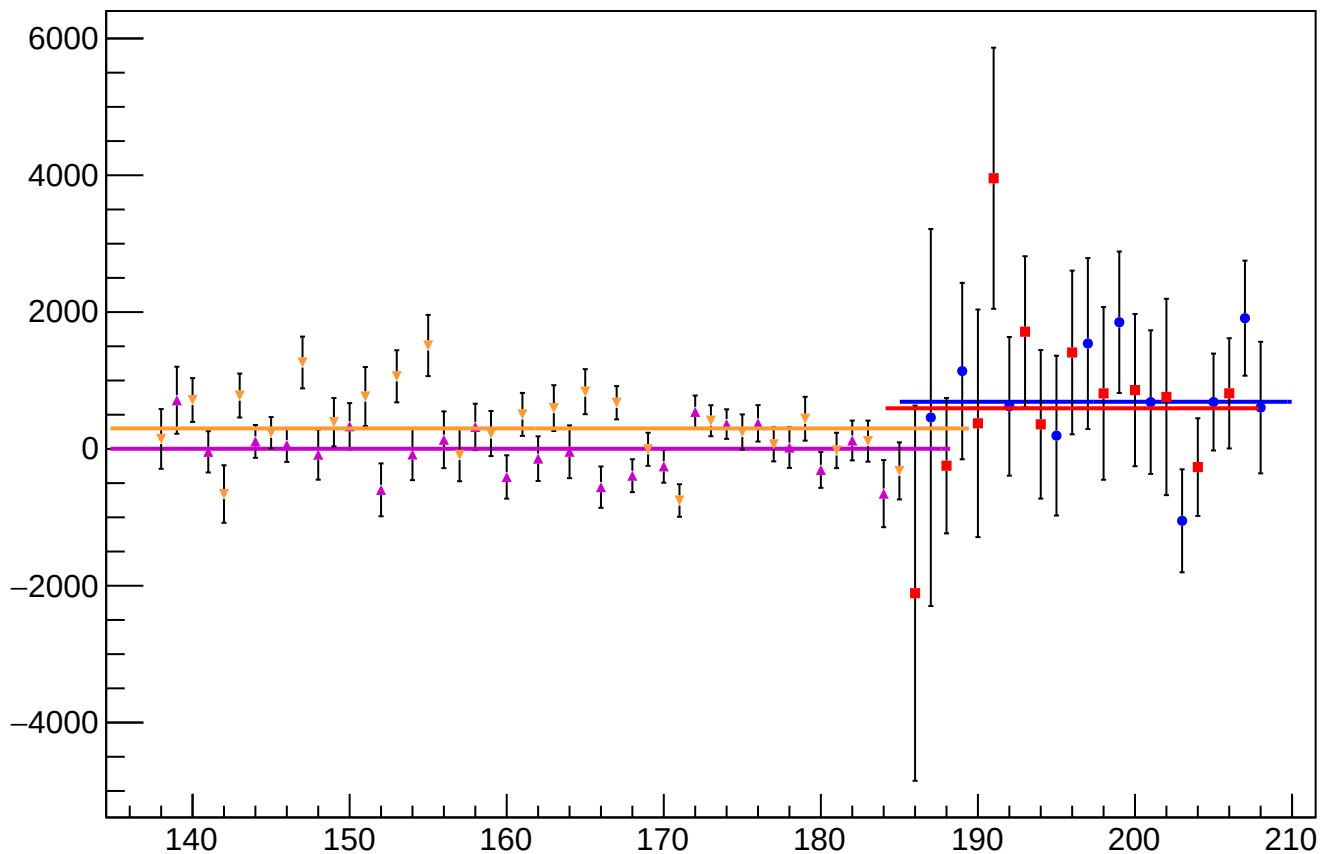
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF:1410847.5/22

+ sign 271.665 $\pm$ 0.041 χ^2 /NDF: 8939592.6/35

All: 270.891 $\pm$ 0.030 χ^2 /NDF: 18611507.0/70

- sign 270.085 $\pm$ 0.042 χ^2 /NDF: 9671199.9/34

asym_sam_1526_avg_mean vs Slug



Right In: 689.013 ± 299.116 χ^2/NDF : 9.5/10

Left Out: 299.562 ± 60.860 χ^2/NDF : 62.5/24

Right Out: 593.974 ± 323.073 χ^2/NDF : 8.0/11

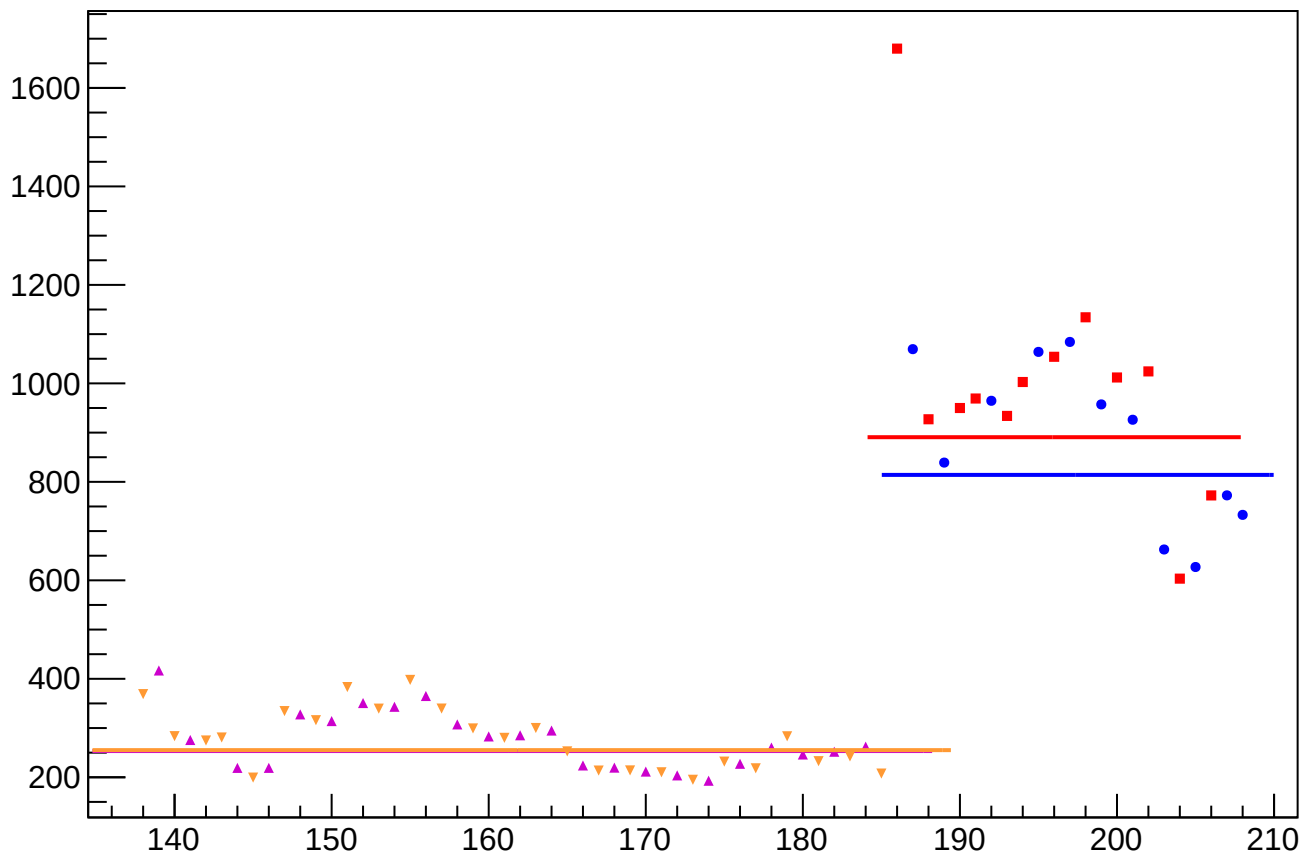
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 315.044 ± 59.638 χ^2/NDF : 73.6/35

All: 172.166 ± 42.607 χ^2/NDF : 125.7/70

- sign 23.209 ± 60.893 χ^2/NDF : 40.4/34

asym_sam_1526_avg_rms vs Slug



Right In: 814.123+/-0.212 χ^2/NDF : 547767.8/10

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 890.685+/-0.228 χ^2/NDF : 718175.9/11

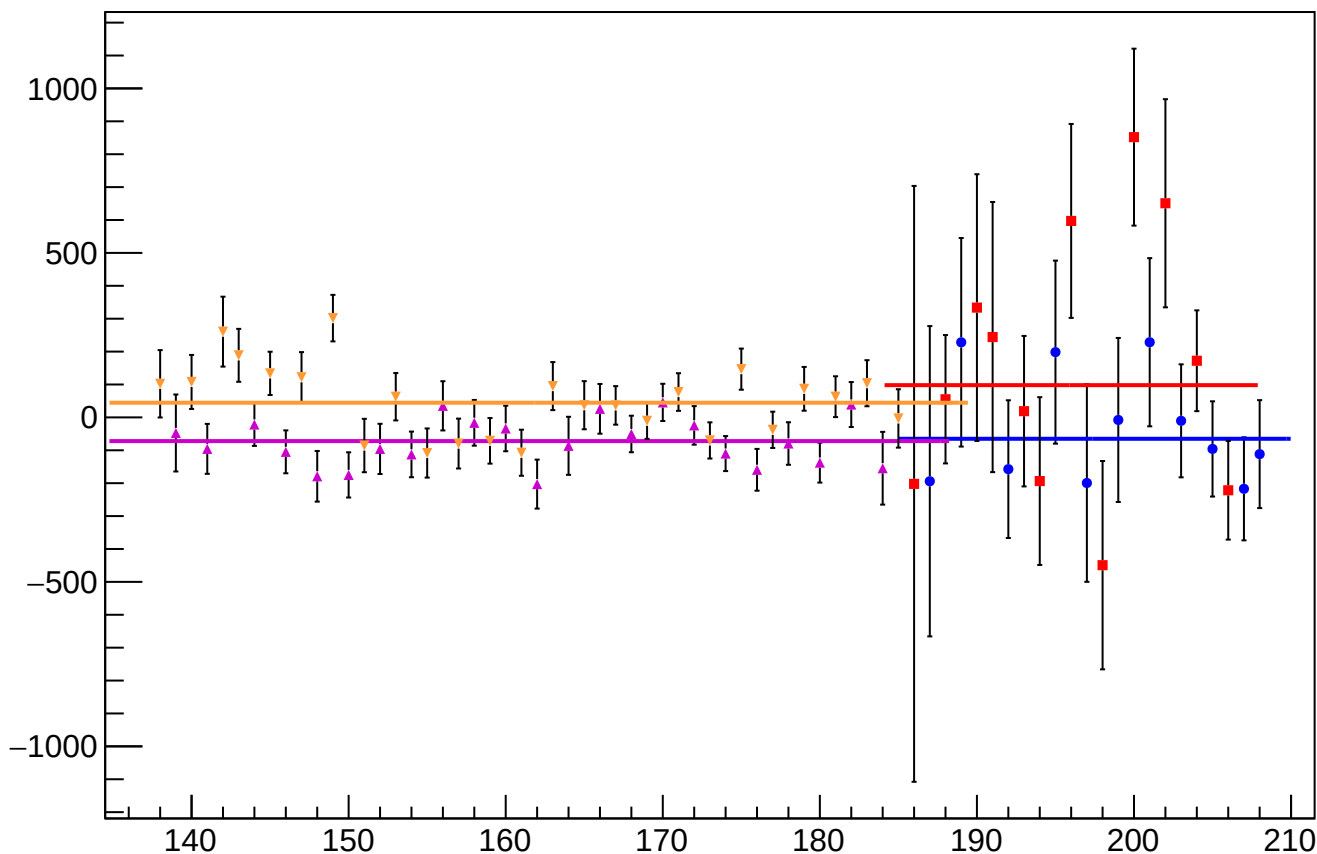
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 277.356+/-0.042 χ^2/NDF : 8796957.3/35

All: 276.659+/-0.030 χ^2/NDF : 18365623.4/70

- sign 275.931+/-0.043 χ^2/NDF : 9568106.9/34

reg_asym_sam_3726_avg_mean vs Slug



Right In: -65.006 ± 62.971 $\chi^2/\text{NDF}: 4.8/10$

Left Out: 44.602 ± 13.824 $\chi^2/\text{NDF}: 53.9/24$

Right Out: 97.996 ± 69.611 $\chi^2/\text{NDF}: 23.6/11$

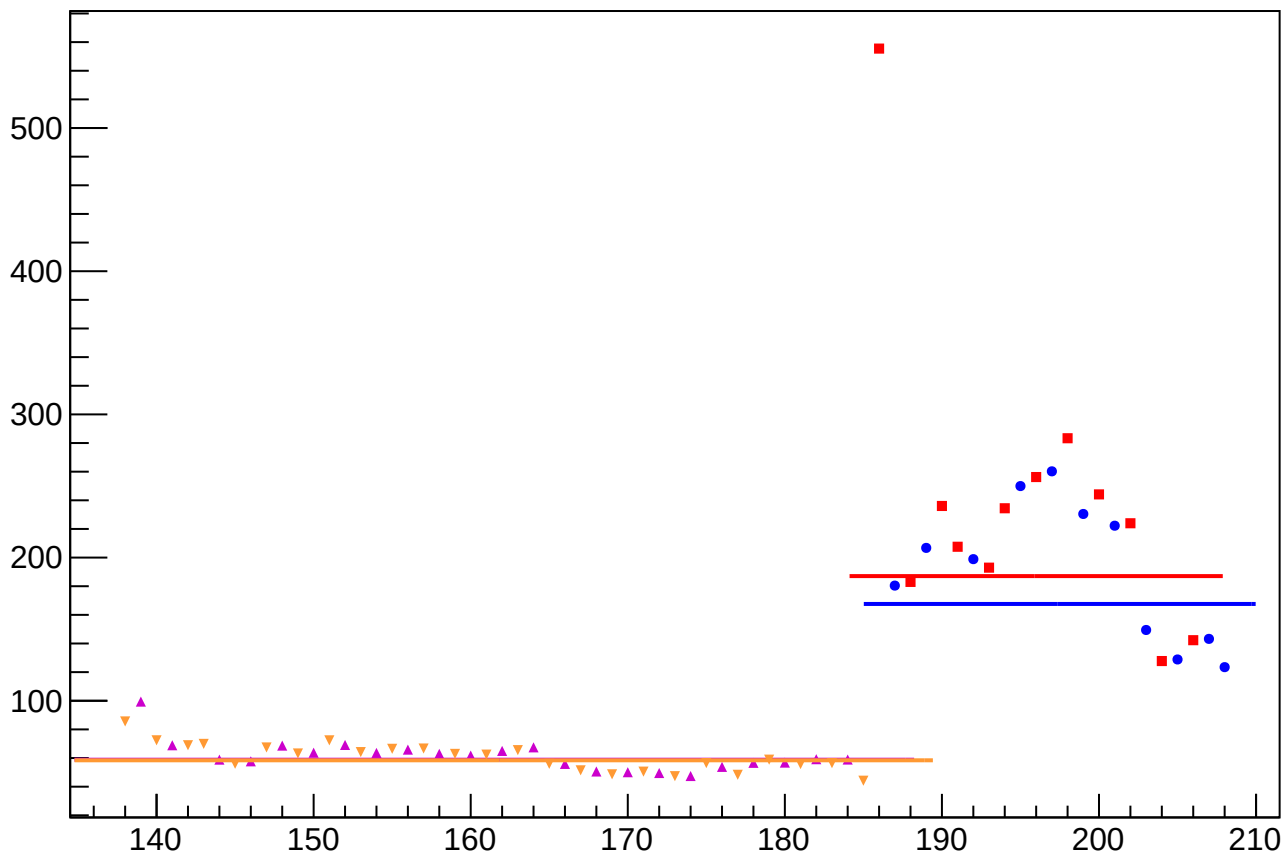
Left In: -72.037 ± 14.296 $\chi^2/\text{NDF}: 25.3/22$

+ sign 39.562 ± 13.503 $\chi^2/\text{NDF}: 61.6/35$

All: -10.889 ± 9.720 $\chi^2/\text{NDF}: 145.2/70$

- sign -65.155 ± 14.004 $\chi^2/\text{NDF}: 54.6/34$

reg_asym_sam_3726_avg_rms vs Slug



Right In: 167.613+/-0.045 χ^2/NDF : 1019551.4/10

Left Out: 58.423+/-0.010 χ^2/NDF : 790091.3/24

Right Out: 187.067+/-0.049 χ^2/NDF : 1326658.9/11

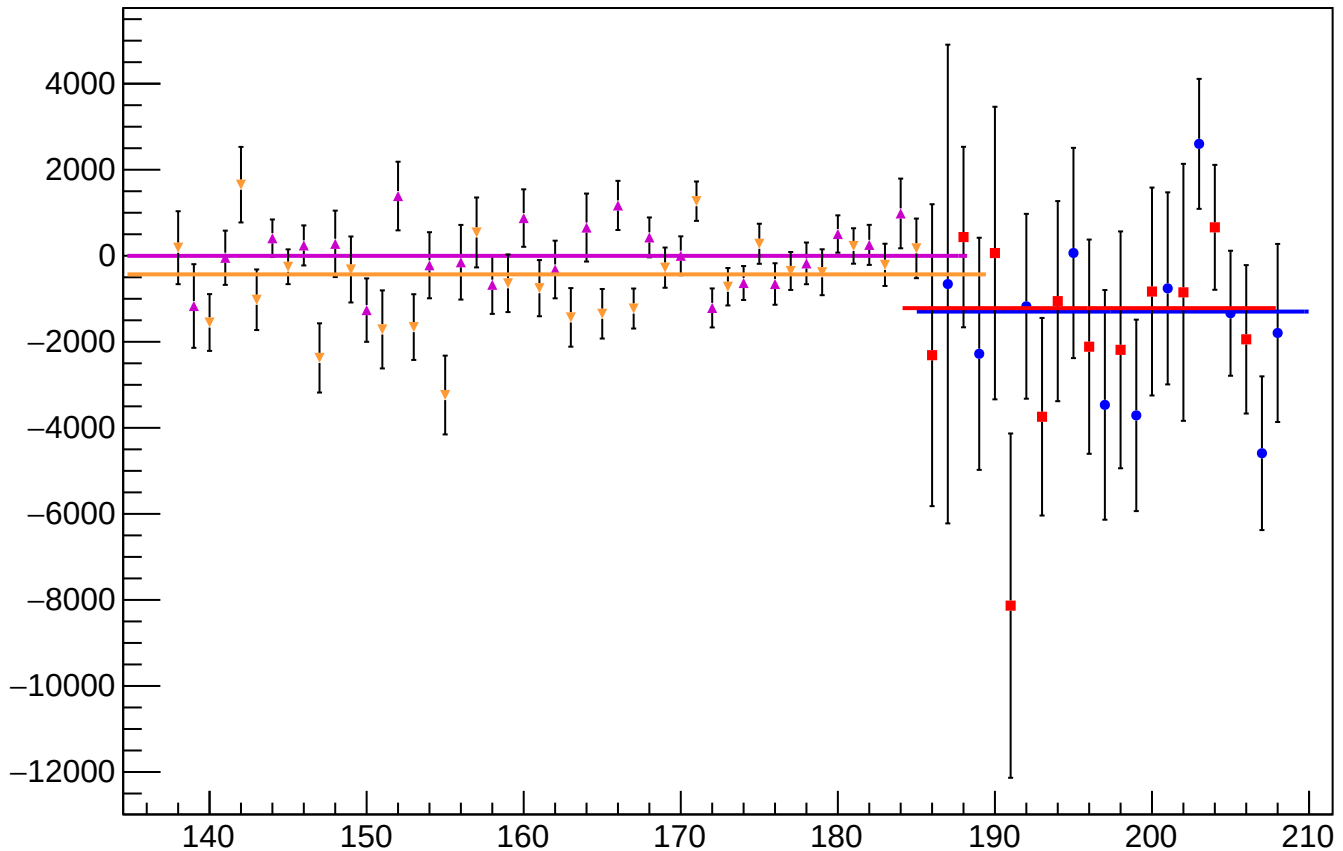
Left In: 58.840+/-0.010 χ^2/NDF : 679925.7/22

+ sign 63.443+/-0.010 χ^2/NDF : 7546521.2/35

All: 63.726+/-0.007 χ^2/NDF : 16066531.5/70

- sign 64.029+/-0.010 χ^2/NDF : 8518195.5/34

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1297.355 ± 625.577 χ^2/NDF : 12.5/10

Left Out: -432.330 ± 114.408 χ^2/NDF : 59.4/24

Right Out: -1217.496 ± 671.309 χ^2/NDF : 7.2/11

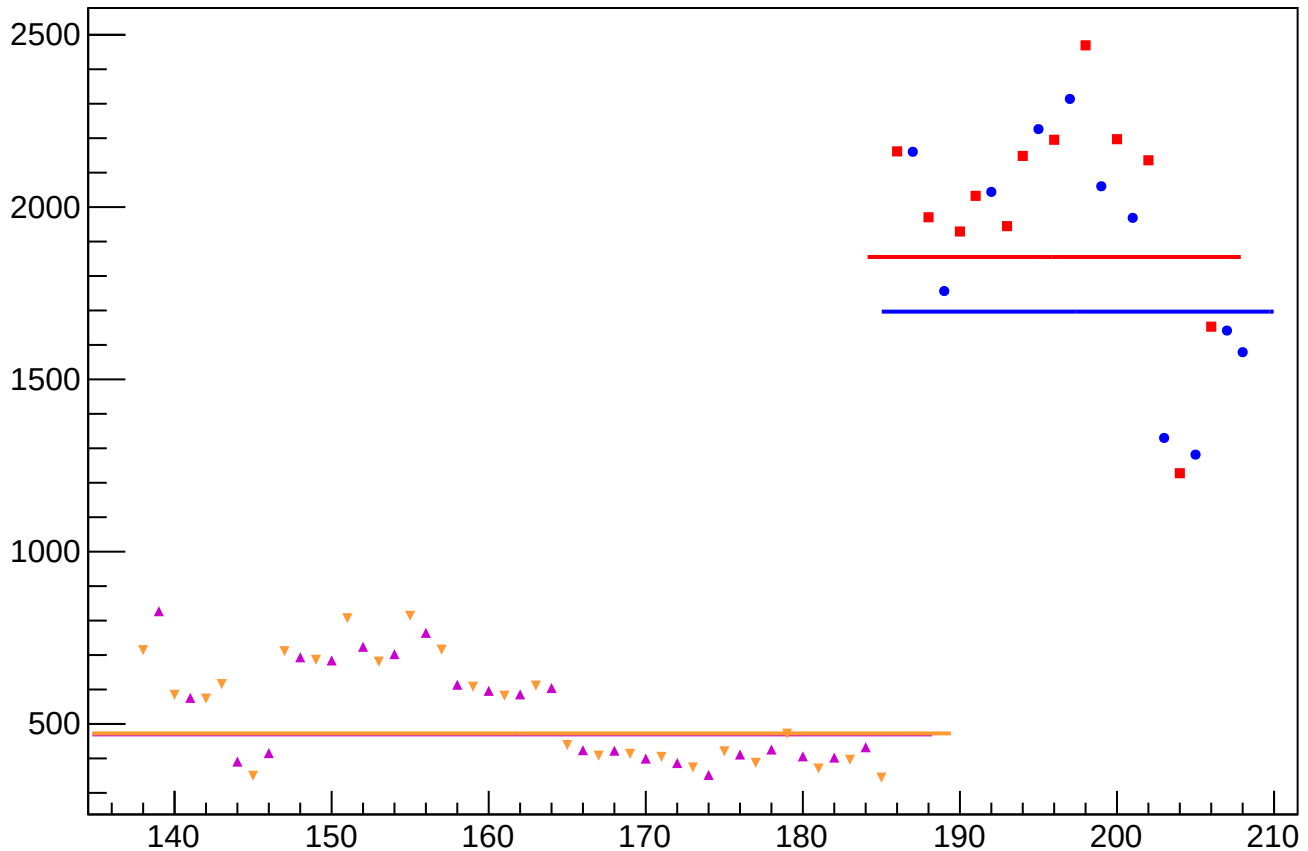
Left In: -1.825 ± 116.459 χ^2/NDF : 32.3/22

+ sign -460.326 ± 112.541 χ^2/NDF : 73.7/35

All: -252.934 ± 80.347 χ^2/NDF : 123.3/70

- sign -37.342 ± 114.745 χ^2/NDF : 42.7/34

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1696.639 $\pm$ 0.442 χ^2 /NDF: 640591.1/10

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF: 2508168.9/24

Right Out: 1855.166 $\pm$ 0.475 χ^2 /NDF: 656791.0/11

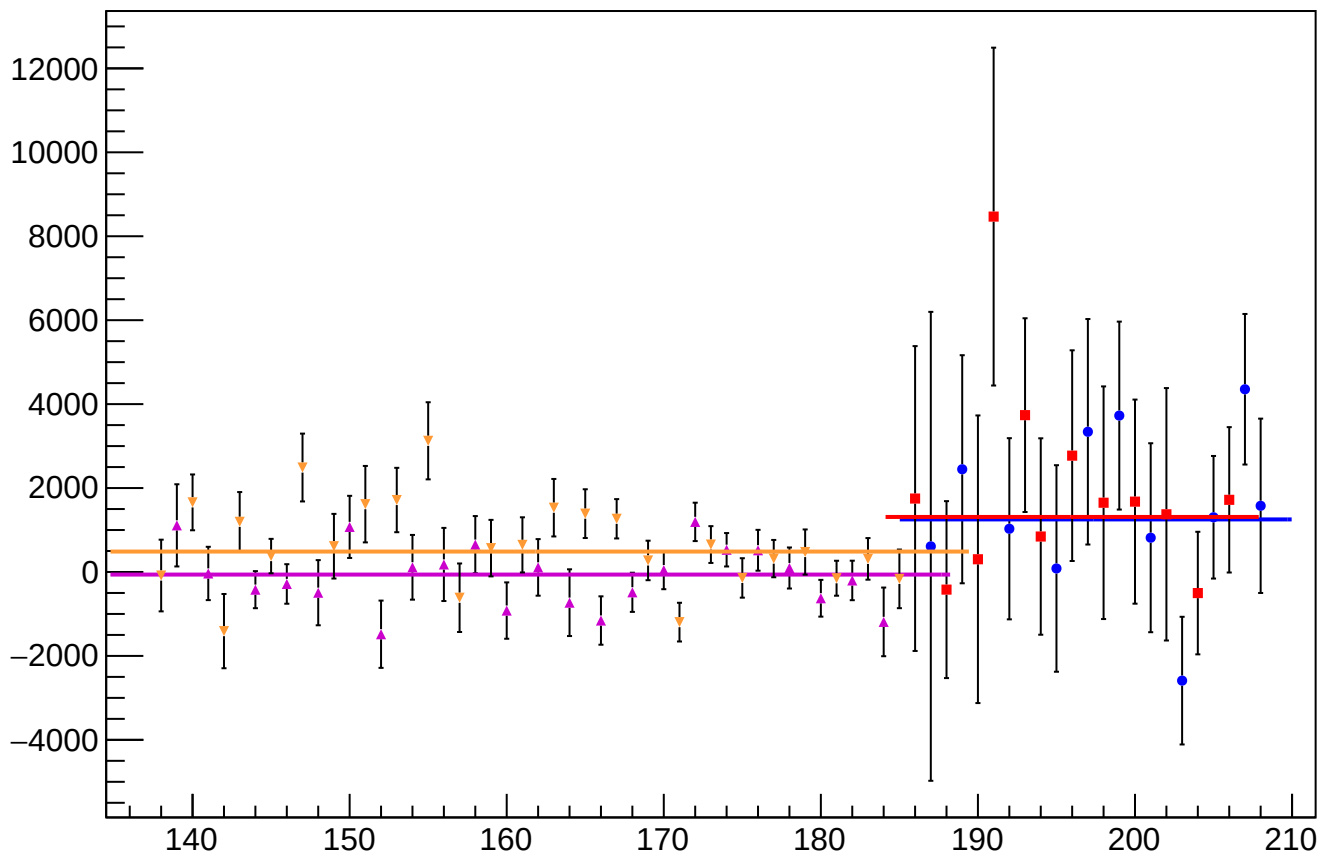
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF: 2116885.7/22

+ sign 512.185 $\pm$ 0.080 χ^2 /NDF: 10558326.7/35

All: 511.230 $\pm$ 0.057 χ^2 /NDF: 21601452.3/70

- sign 510.237 $\pm$ 0.081 χ^2 /NDF: 11042832.1/34

asym_sam_3726_avg_mean vs Slug



Right In: 1252.548 $\pm$ 629.213 χ^2 /NDF: 11.7/10

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

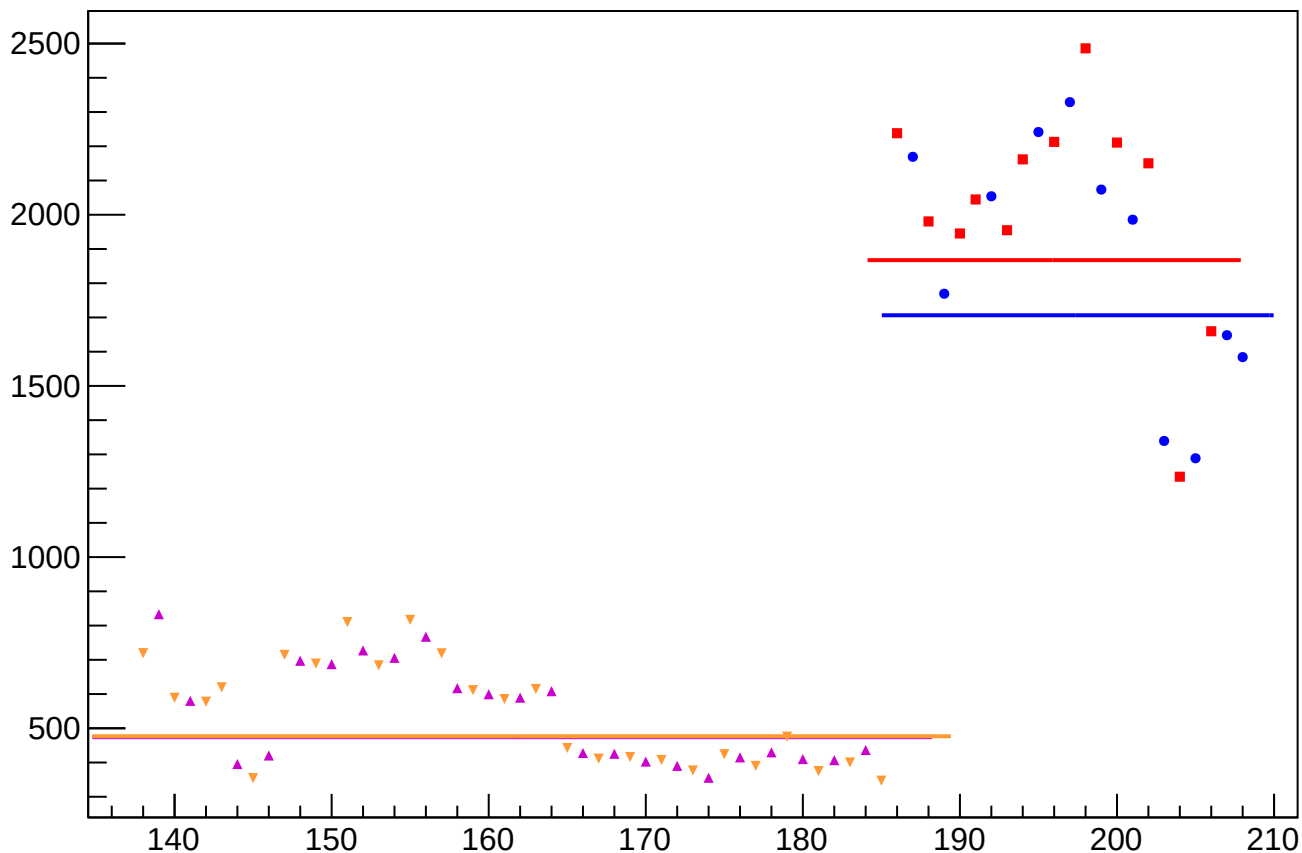
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 511.547 $\pm$ 113.456 χ^2 /NDF: 69.2/35

All: 250.261 $\pm$ 81.012 χ^2 /NDF: 122.2/70

- sign -21.534 $\pm$ 115.715 χ^2 /NDF: 42.2/34

asym_sam_3726_avg_rms vs Slug



Right In: 1706.408 +/- 0.445 χ^2/NDF : 642200.2/10

Left Out: 476.690 +/- 0.082 χ^2/NDF : 2472737.6/24

Right Out: 1867.432 +/- 0.478 χ^2/NDF : 665197.8/11

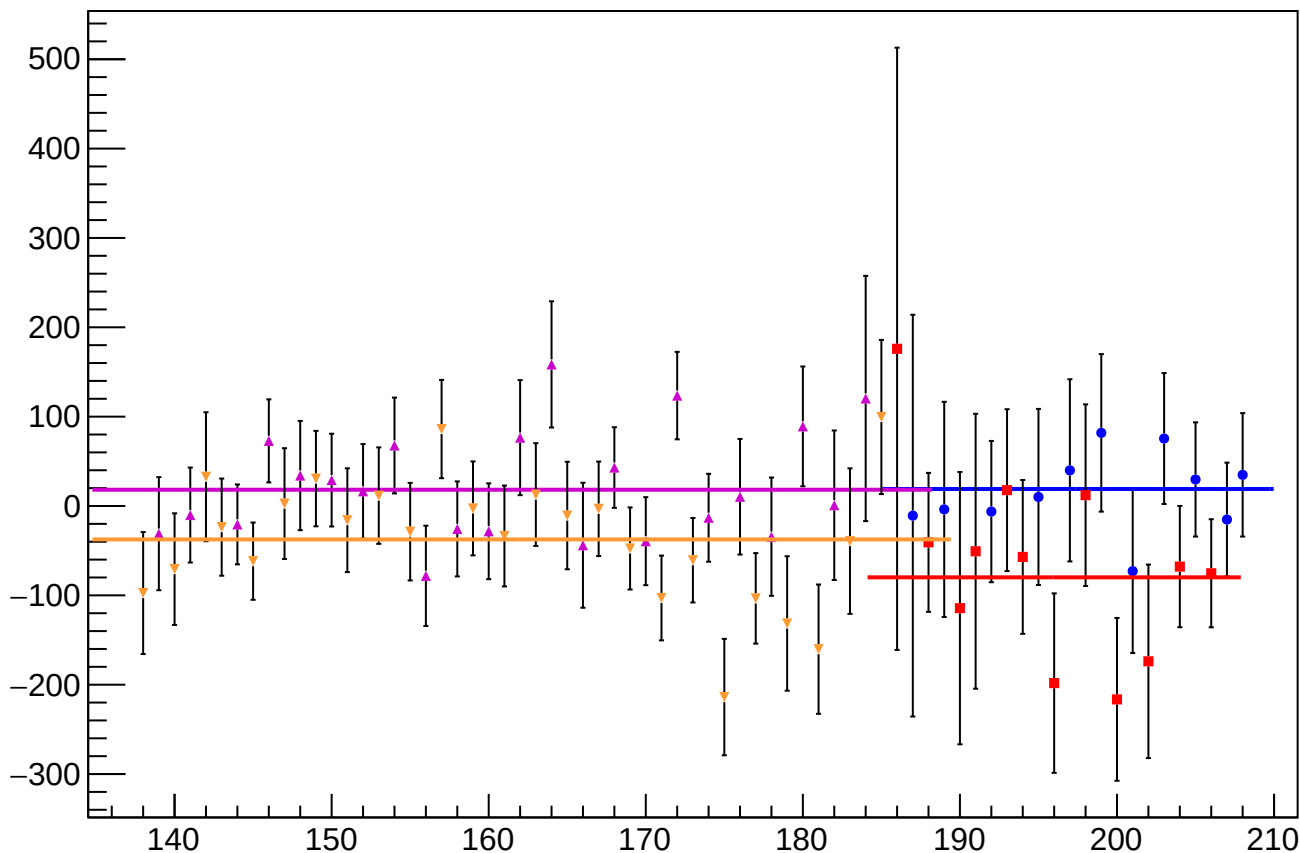
Left In: 473.983 +/- 0.083 χ^2/NDF : 2087113.7/22

+ sign 516.672 +/- 0.080 χ^2/NDF : 10505711.1/35

All: 515.766 +/- 0.057 χ^2/NDF : 21509380.4/70

- sign 514.824 +/- 0.082 χ^2/NDF : 11003409.3/34

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 19.057 ± 25.133 $\chi^2/\text{NDF}: 2.7/10$

Left Out: -37.413 ± 11.390 $\chi^2/\text{NDF}: 30.5/24$

Right Out: -79.838 ± 26.646 $\chi^2/\text{NDF}: 7.4/11$

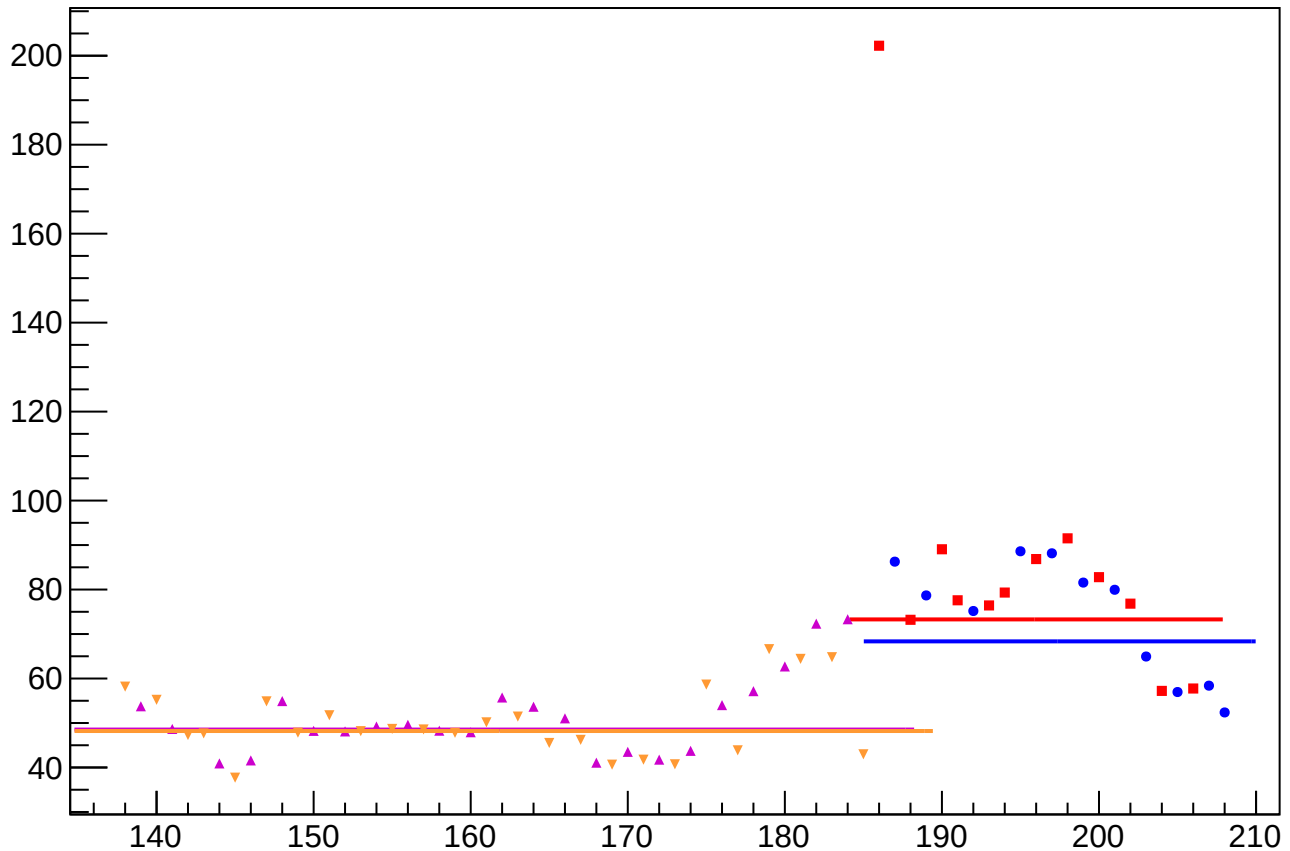
Left In: 18.210 ± 11.788 $\chi^2/\text{NDF}: 23.0/22$

+ sign -27.792 ± 10.374 $\chi^2/\text{NDF}: 37.3/35$

All: -13.389 ± 7.475 $\chi^2/\text{NDF}: 83.1/70$

- sign 2.163 ± 10.780 $\chi^2/\text{NDF}: 41.7/34$

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 68.351+/-0.018 χ^2/NDF : 502950.6/10

Left Out: 48.200+/-0.008 χ^2/NDF : 750196.2/24

Right Out: 73.287+/-0.019 χ^2/NDF : 696676.9/11

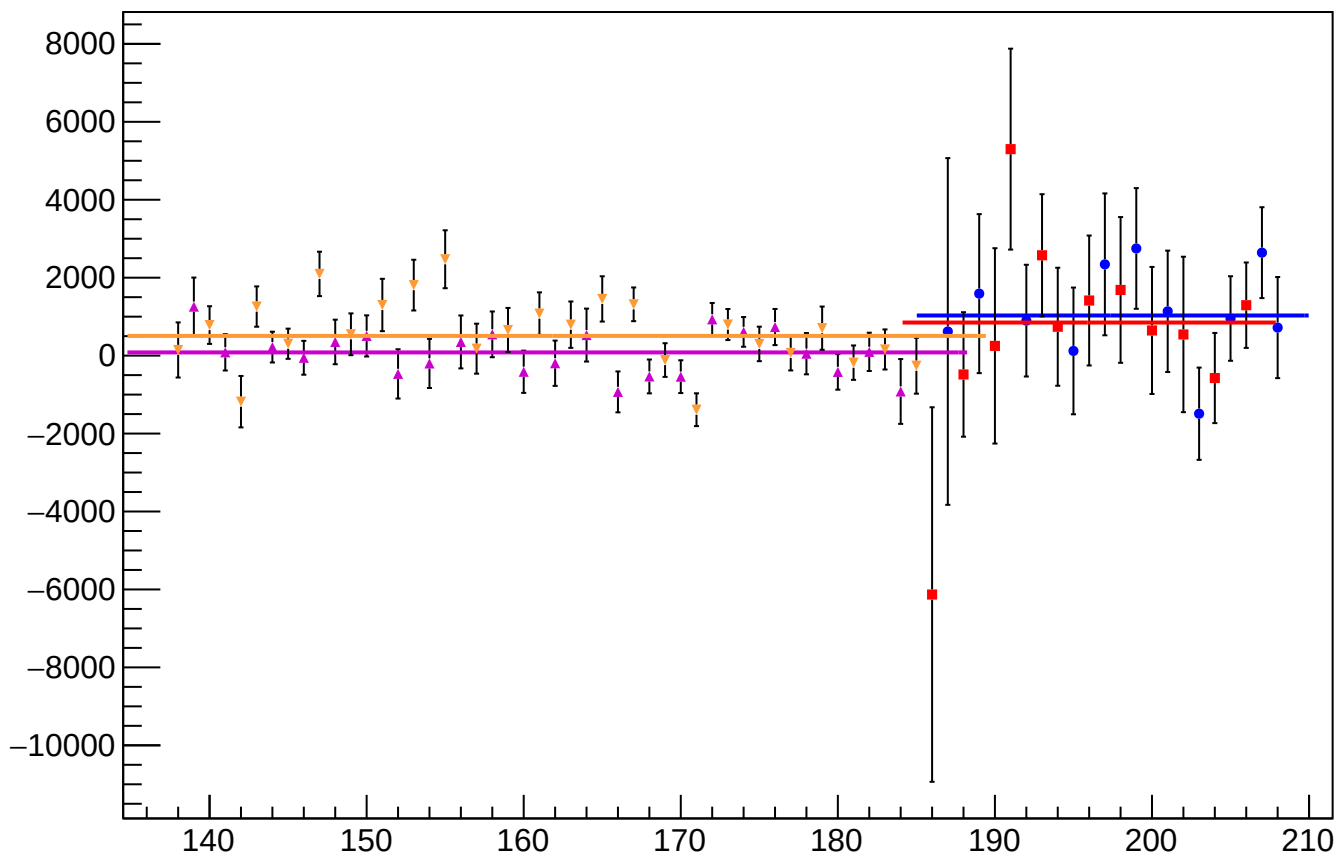
Left In: 48.527+/-0.008 χ^2/NDF : 675340.8/22

+ sign 51.633+/-0.007 χ^2/NDF : 2319806.7/35

All: 52.088+/-0.005 χ^2/NDF : 5144125.6/70

- sign 52.579+/-0.008 χ^2/NDF : 2816316.6/34

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1030.022+/-439.358 χ^2/NDF : 8.7/10

Left Out: 506.205+/-103.468 χ^2/NDF : 65.7/24

Right Out: 849.395+/-474.481 χ^2/NDF : 9.1/11

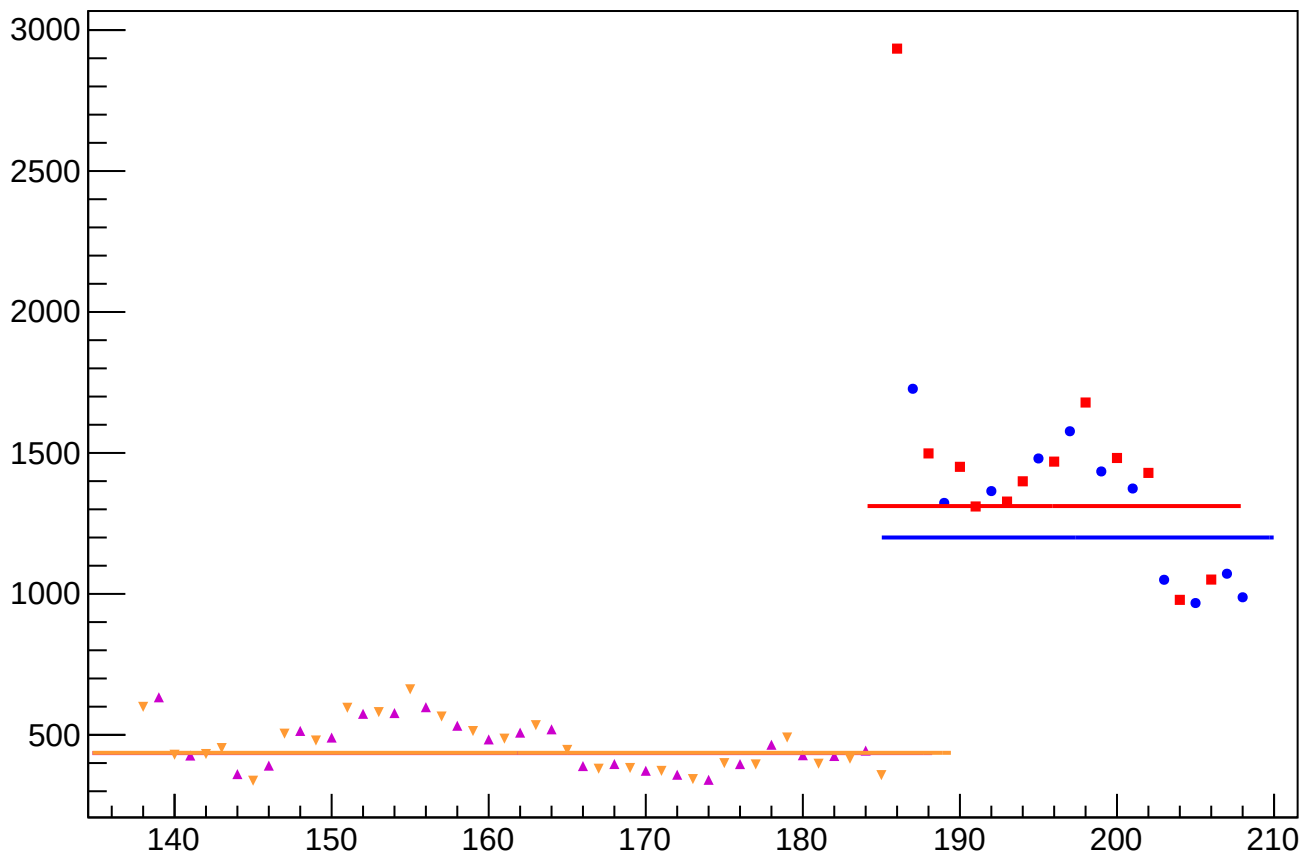
Left In: 82.421+/-105.935 χ^2/NDF : 25.3/22

+ sign 533.729+/-100.713 χ^2/NDF : 75.7/35

All: 331.724+/-72.142 χ^2/NDF : 120.9/70

- sign 118.837+/-103.390 χ^2/NDF : 36.9/34

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1200.108 $\pm$ 0.311 χ^2/NDF : 479375.7/10

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

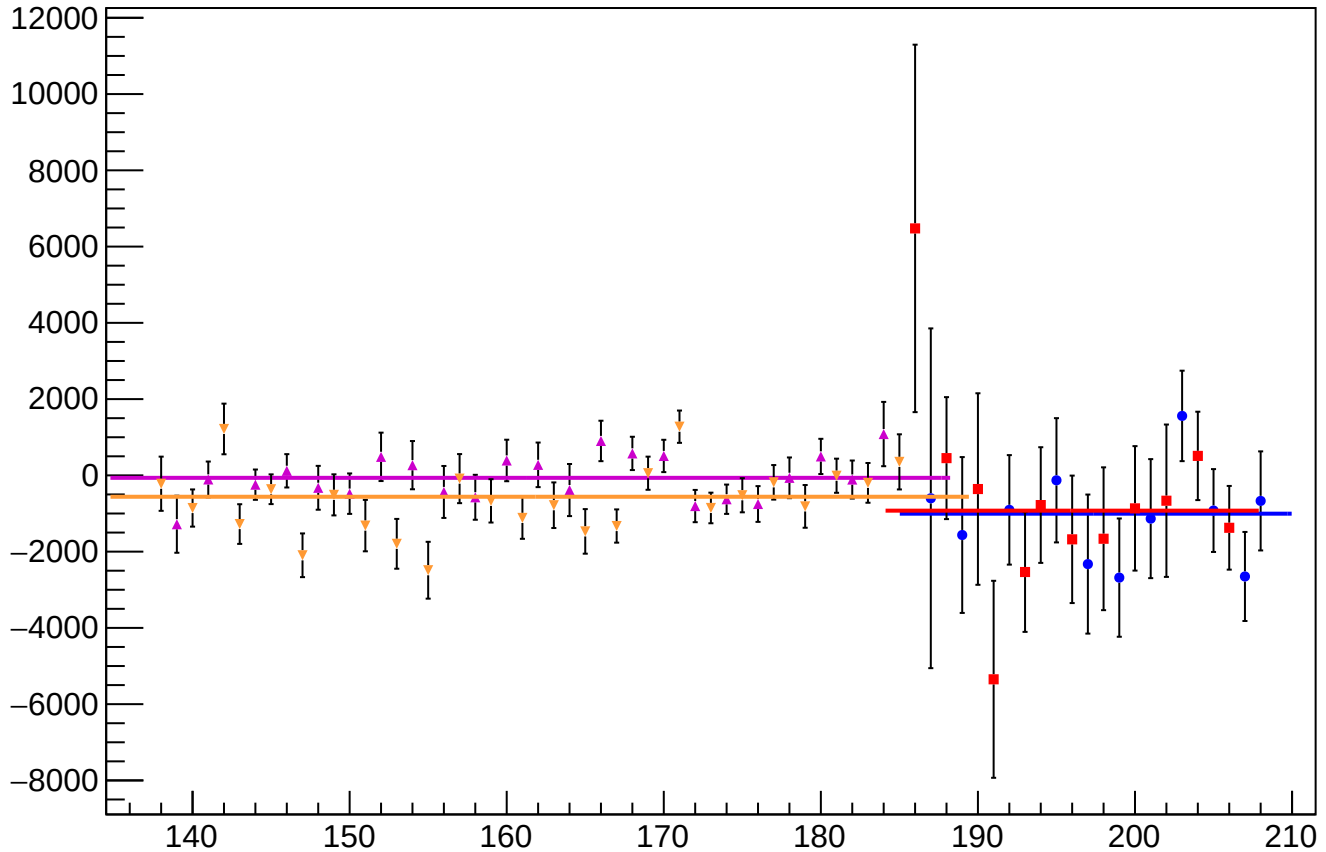
Left In: 435.275 $\pm$ 0.075 χ^2/NDF : 1027713.1/22

+ sign 476.436 $\pm$ 0.071 χ^2/NDF : 7385613.0/35

All: 476.653 $\pm$ 0.051 χ^2/NDF : 15582398.7/70

- sign 476.883 $\pm$ 0.073 χ^2/NDF : 8196766.5/34

asym_sam_15_48_dd_mean vs Slug



Right In: -1004.605 ± 440.126 χ^2/NDF : 8.8/10

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -925.280 ± 475.296 χ^2/NDF : 9.2/11

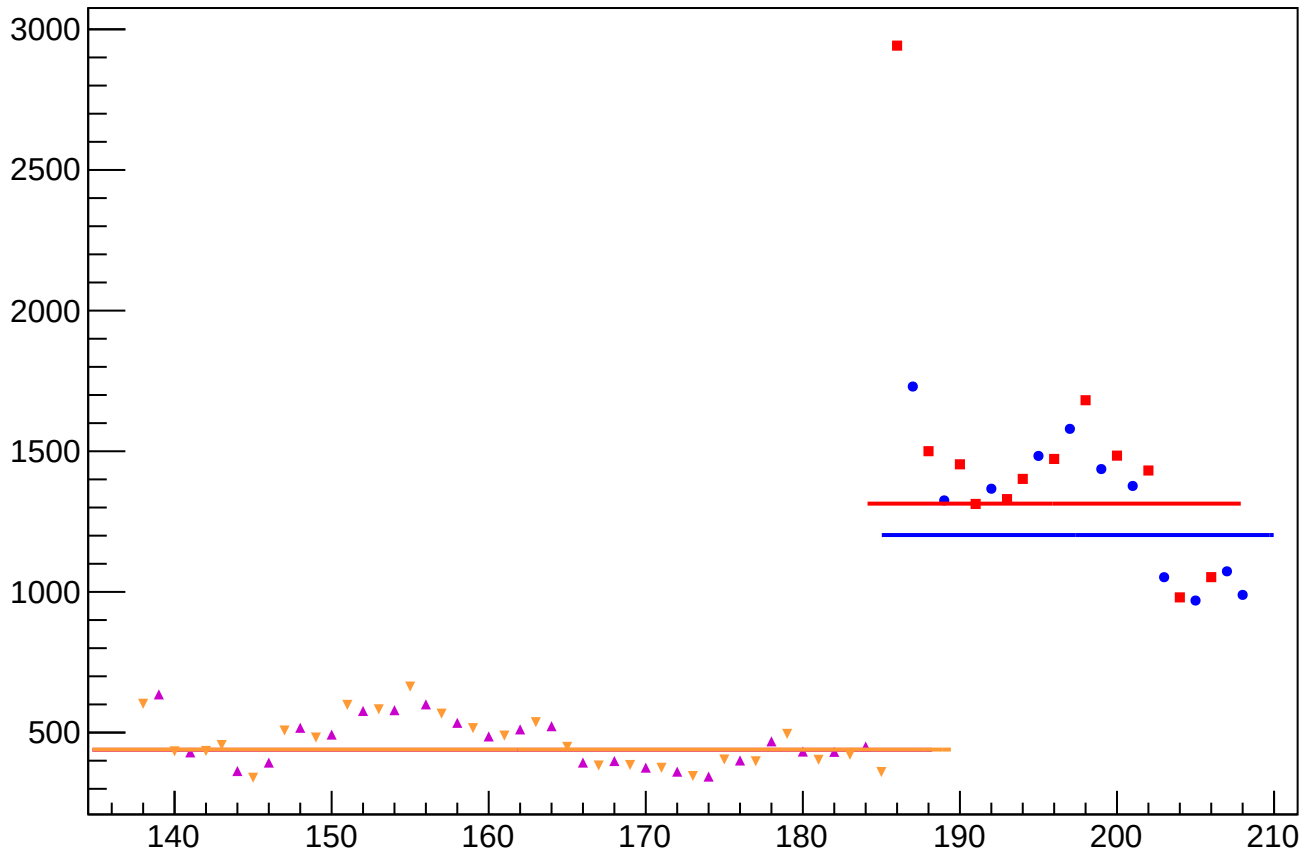
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -584.248 ± 101.404 χ^2/NDF : 71.5/35

All: -351.383 ± 72.643 χ^2/NDF : 119.9/70

- sign -105.894 ± 104.116 χ^2/NDF : 37.5/34

asym_sam_15_48_dd_rms vs Slug



Right In: 1202.206 $\pm$ 0.311 χ^2 /NDF: 479548.4/10

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

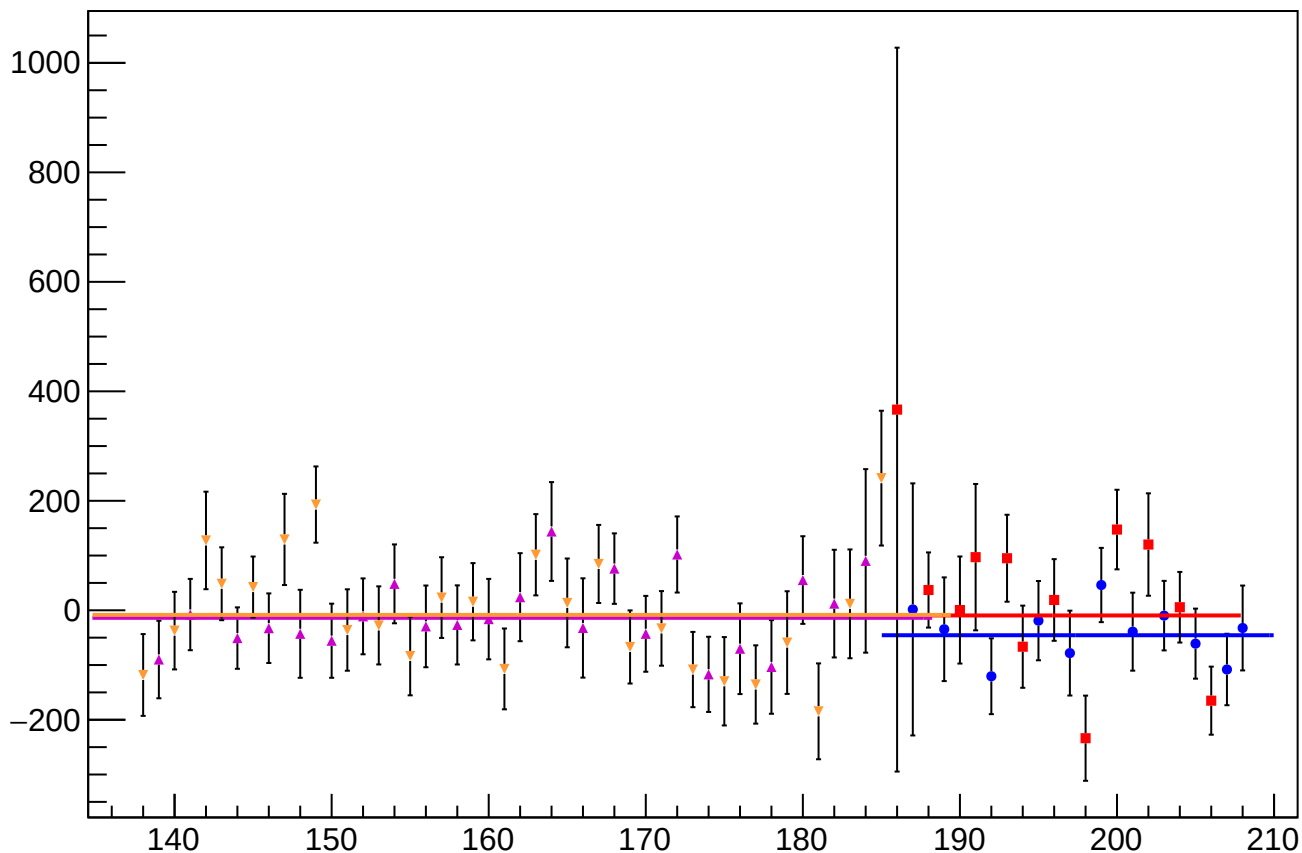
Left In: 438.548 $\pm$ 0.075 χ^2 /NDF: 1013071.4/22

+ sign 480.012 $\pm$ 0.072 χ^2 /NDF: 7329742.1/35

All: 480.273 $\pm$ 0.051 χ^2 /NDF: 15471303.5/70

- sign 480.548 $\pm$ 0.074 χ^2 /NDF: 8141534.1/34

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -45.571 ± 22.341 χ^2/NDF : 4.7/10

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: -9.428 ± 23.195 χ^2/NDF : 25.1/11

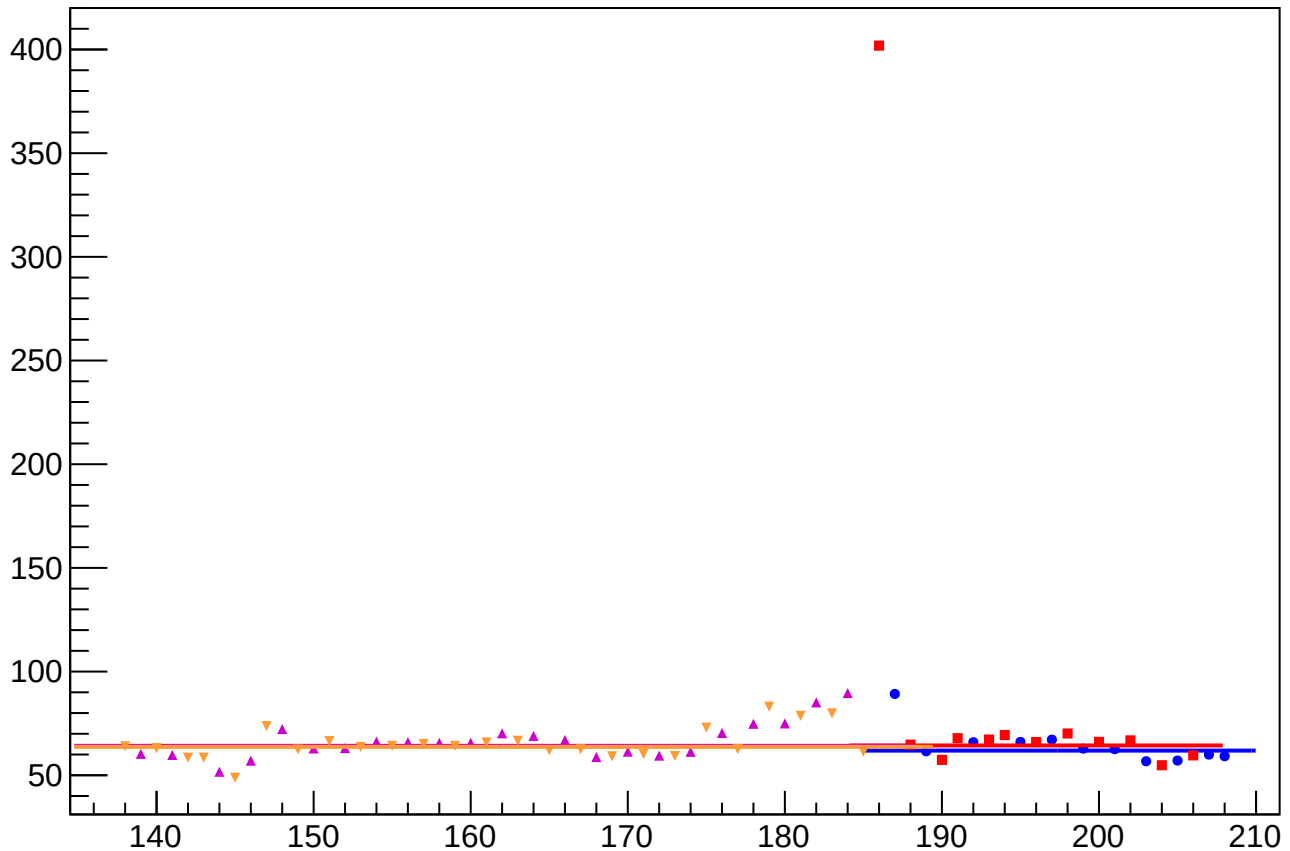
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -19.892 ± 12.416 χ^2/NDF : 48.2/35

All: -16.282 ± 8.937 χ^2/NDF : 89.8/70

- sign -12.400 ± 12.875 χ^2/NDF : 41.4/34

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.886 $\pm$ 0.016 χ^2 /NDF: 80055.3/10

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 64.361 $\pm$ 0.016 χ^2 /NDF: 614276.9/11

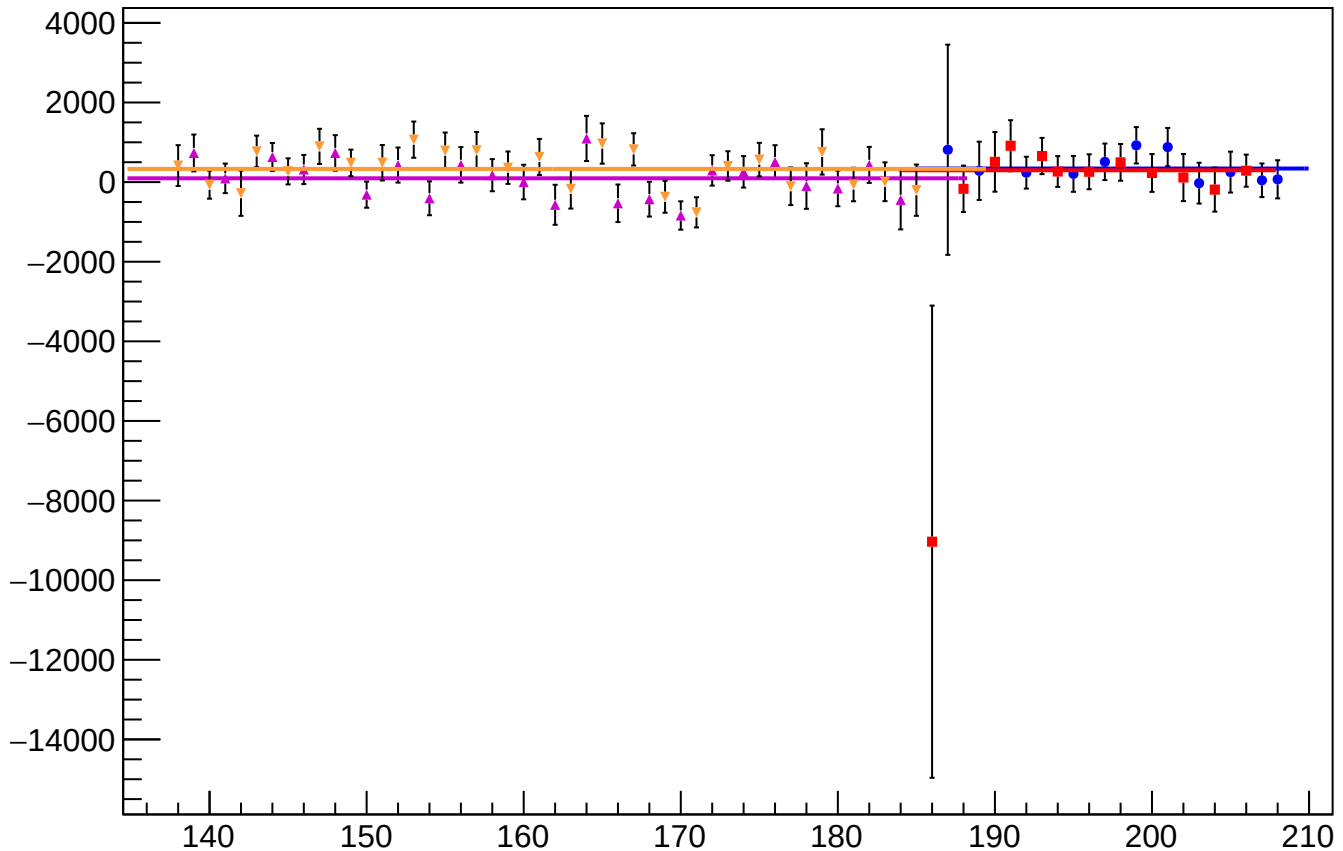
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.137 $\pm$ 0.009 χ^2 /NDF: 537571.1/35

All: 63.669 $\pm$ 0.006 χ^2 /NDF: 1589231.2/70

- sign 64.242 $\pm$ 0.009 χ^2 /NDF: 1044023.2/34

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 341.333 ± 149.763 χ^2/NDF : 4.6/10

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: 297.953 ± 148.612 χ^2/NDF : 5.8/11

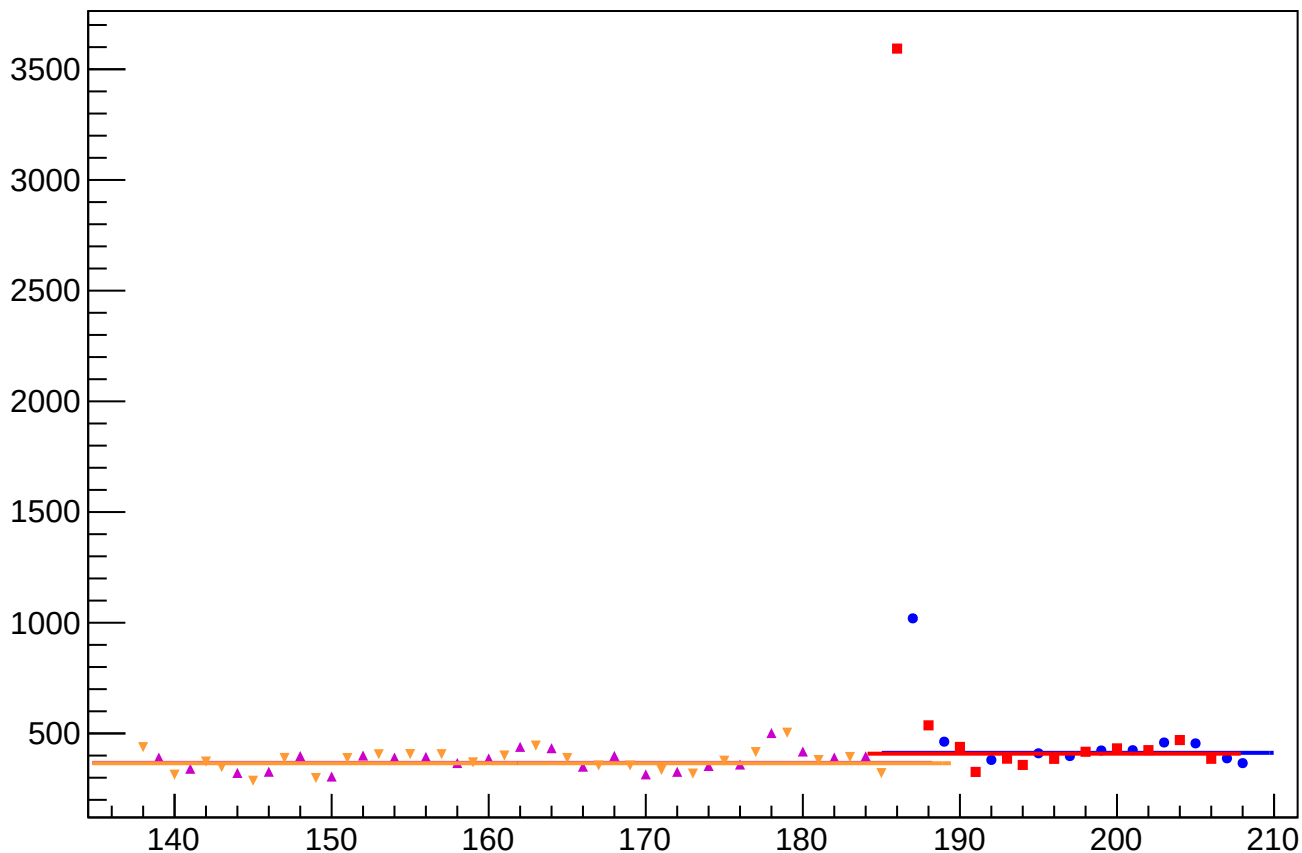
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 334.121 ± 74.625 χ^2/NDF : 34.4/35

All: 243.388 ± 53.294 χ^2/NDF : 73.3/70

- sign 148.941 ± 76.137 χ^2/NDF : 35.9/34

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 412.417 $\pm$ 0.106 χ^2 /NDF: 188733.3/10

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 408.579 $\pm$ 0.105 χ^2 /NDF: 793121.8/11

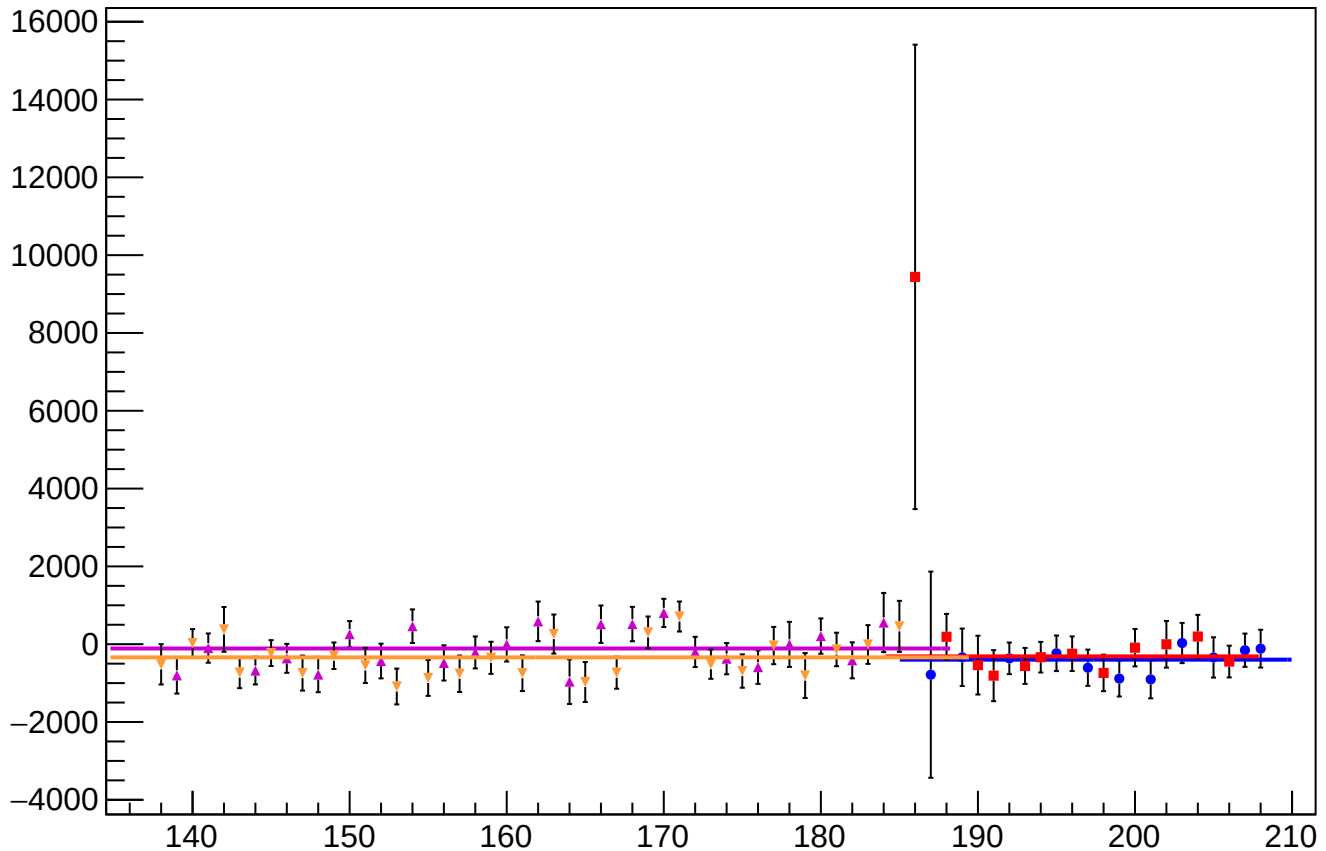
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 377.040 $\pm$ 0.053 χ^2 /NDF: 955648.8/35

All: 377.441 $\pm$ 0.038 χ^2 /NDF: 2342851.6/70

- sign 377.858 $\pm$ 0.054 χ^2 /NDF: 1387085.2/34

asym_sam_37_48_dd_mean vs Slug



Right In: -397.168 ± 151.573 χ^2/NDF : 3.9/10

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -313.288 ± 150.653 χ^2/NDF : 6.6/11

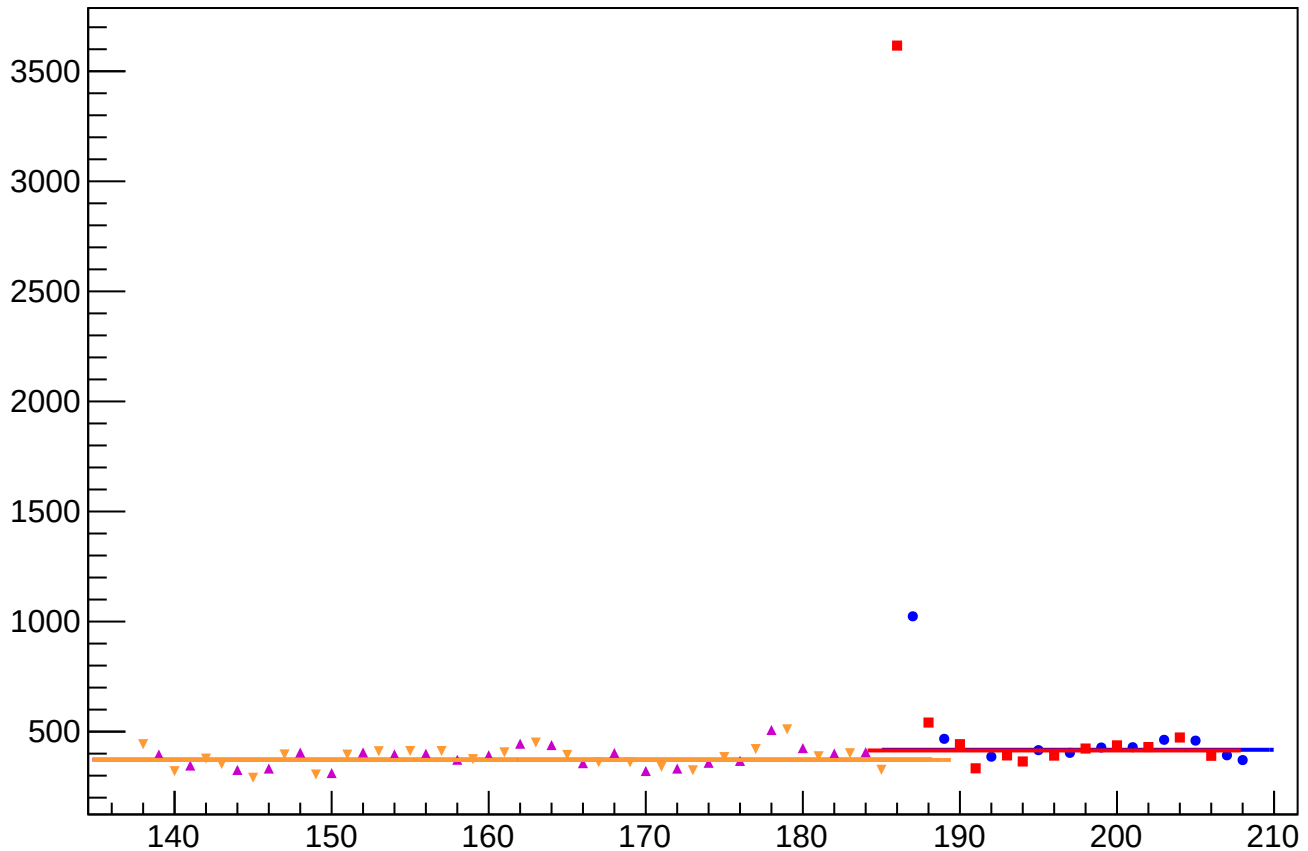
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -353.173 ± 75.747 χ^2/NDF : 32.2/35

All: -260.423 ± 54.107 χ^2/NDF : 72.5/70

- sign -163.793 ± 77.316 χ^2/NDF : 37.2/34

asym_sam_37_48_dd_rms vs Slug



Right In: 417.524+/-0.107 χ^2/NDF : 183377.3/10

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 414.414+/-0.107 χ^2/NDF : 780593.4/11

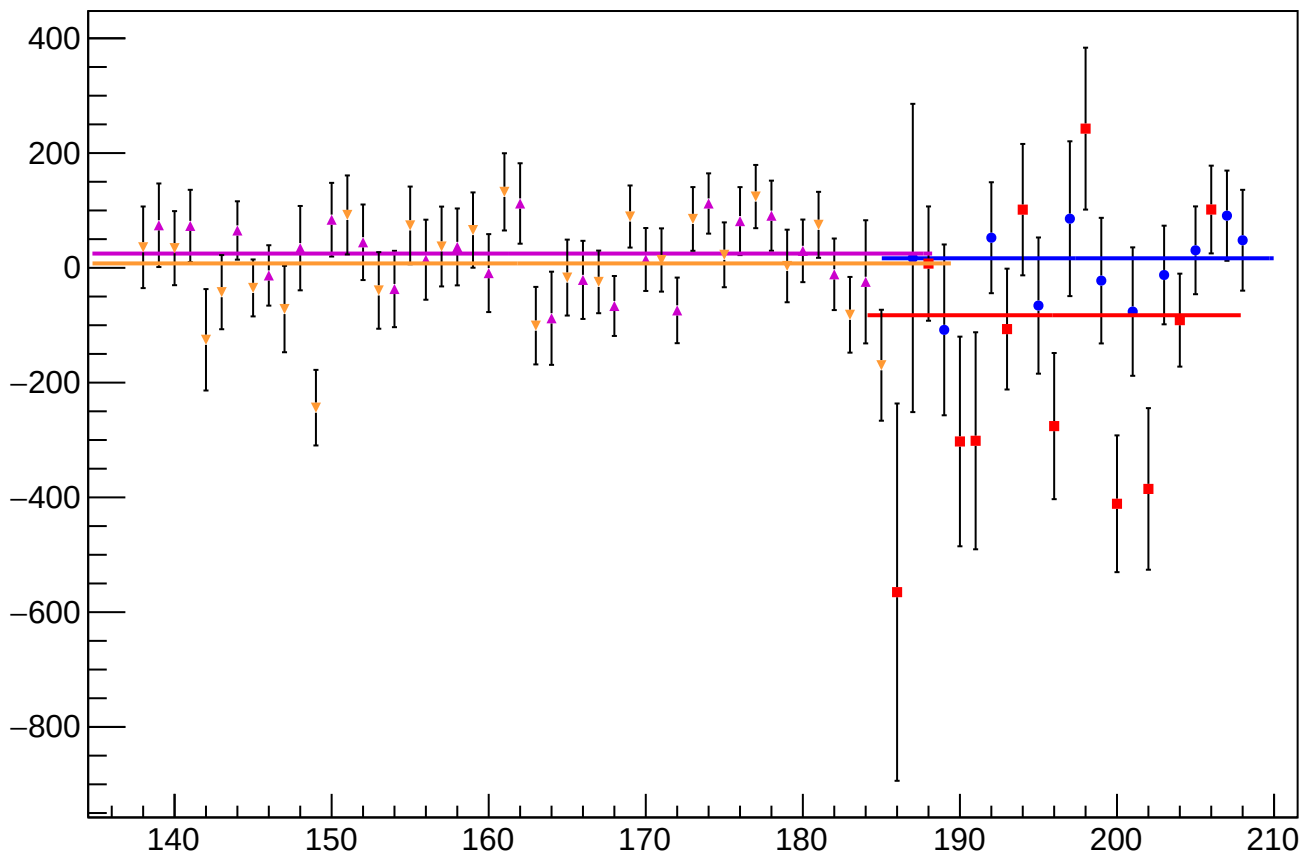
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 382.886+/-0.054 χ^2/NDF : 926659.5/35

All: 383.364+/-0.038 χ^2/NDF : 2286423.4/70

- sign 383.862+/-0.055 χ^2/NDF : 1359601.4/34

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 16.667 ± 30.817 χ^2/NDF : 3.6/10

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -82.585 ± 33.505 χ^2/NDF : 34.0/11

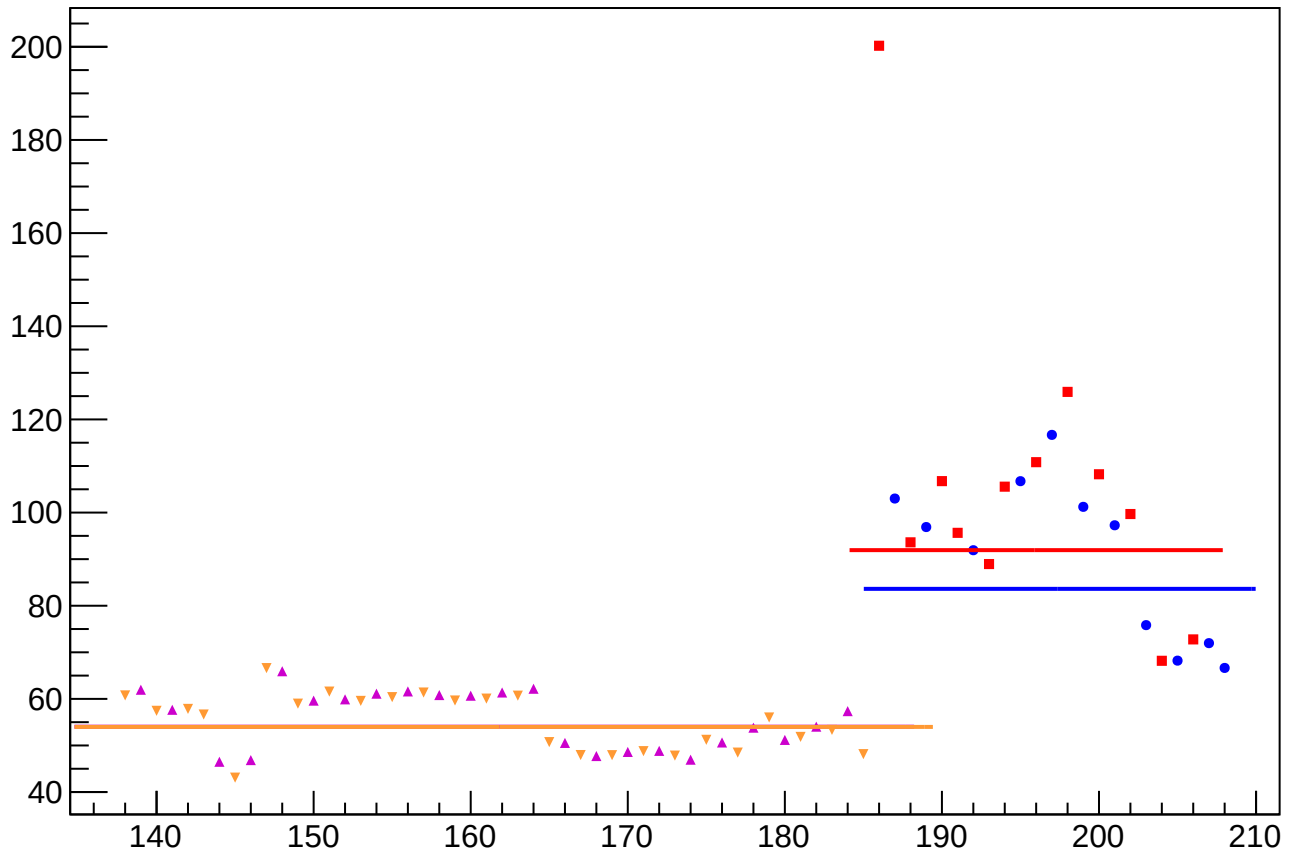
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 9.014 ± 11.707 χ^2/NDF : 49.1/35

All: 9.860 ± 8.428 χ^2/NDF : 111.8/70

- sign 10.771 ± 12.143 χ^2/NDF : 62.7/34

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 83.625+/-0.022 χ^2/NDF : 534823.9/10

Left Out: 53.984+/-0.009 χ^2/NDF : 458972.1/24

Right Out: 91.936+/-0.024 χ^2/NDF : 762610.2/11

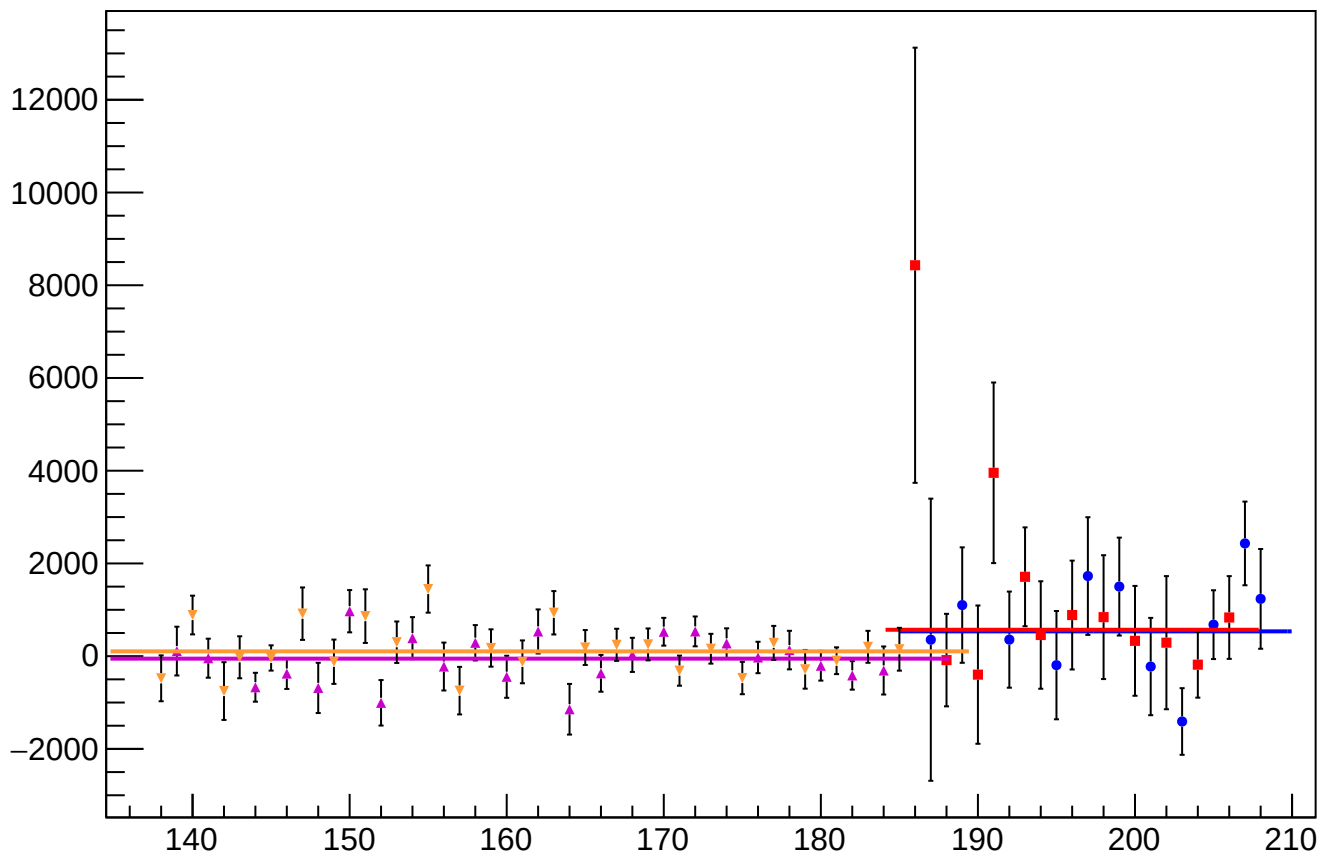
Left In: 54.028+/-0.009 χ^2/NDF : 443819.5/22

+ sign 58.261+/-0.008 χ^2/NDF : 2577079.3/35

All: 58.621+/-0.006 χ^2/NDF : 6011360.6/70

- sign 59.007+/-0.009 χ^2/NDF : 3430373.0/34

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 534.993+/-305.886 χ^2/NDF : 15.1/10

Left Out: 103.768+/-79.344 χ^2/NDF :31.0/24

Right Out: 569.550+/-331.403 χ^2/NDF : 9.2/11

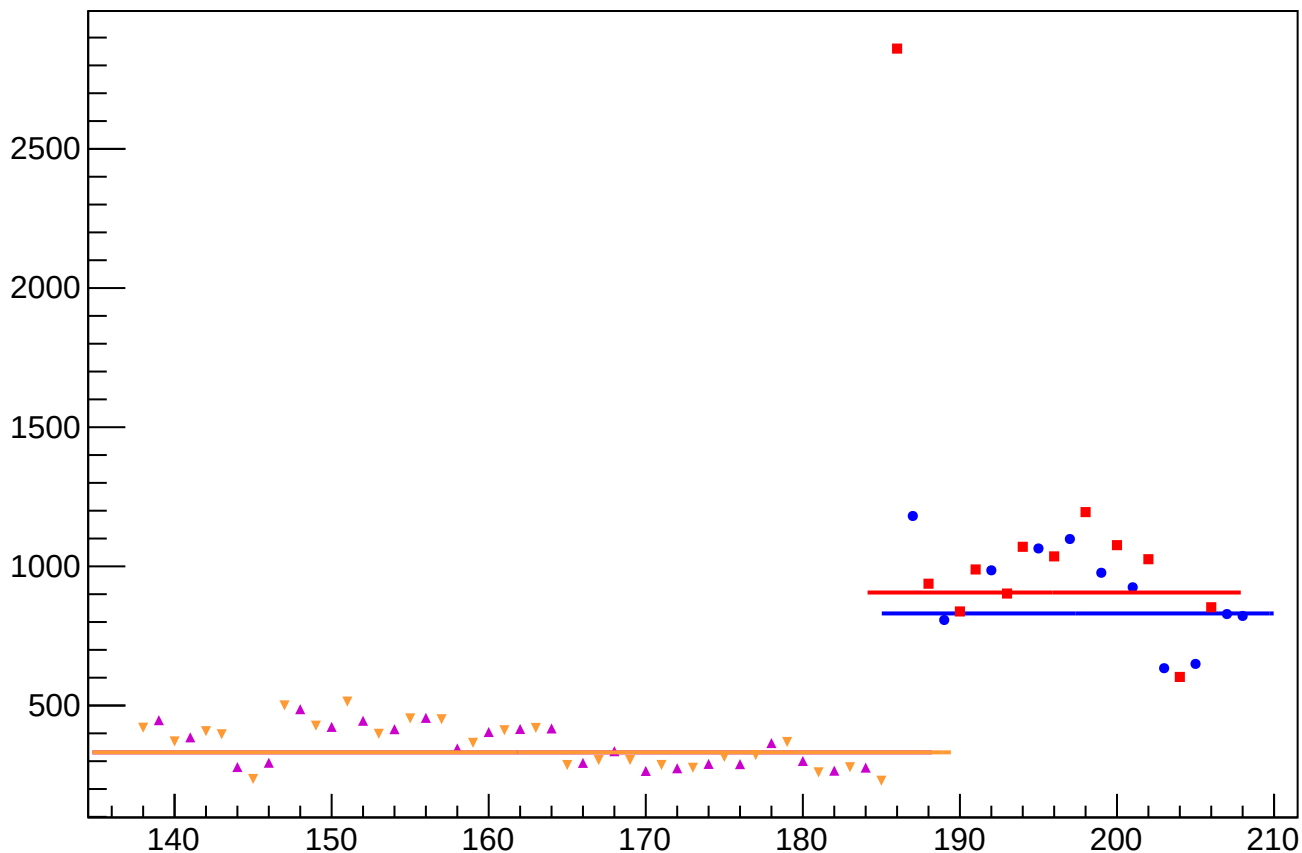
Left In: -53.493+/-81.201 χ^2/NDF :34.1/22

+ sign 130.953+/-76.802 χ^2/NDF : 47.9/35

All: 58.352+/-55.023 χ^2/NDF : 96.4/70

- sign -18.206+/-78.868 χ^2/NDF : 46.7/34

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 830.858+/-0.216 χ^2/NDF : 564442.7/10

Left Out: 331.770+/-0.056 χ^2/NDF : 1711721.9/24

Right Out: 906.044+/-0.234 χ^2/NDF : 940941.9/11

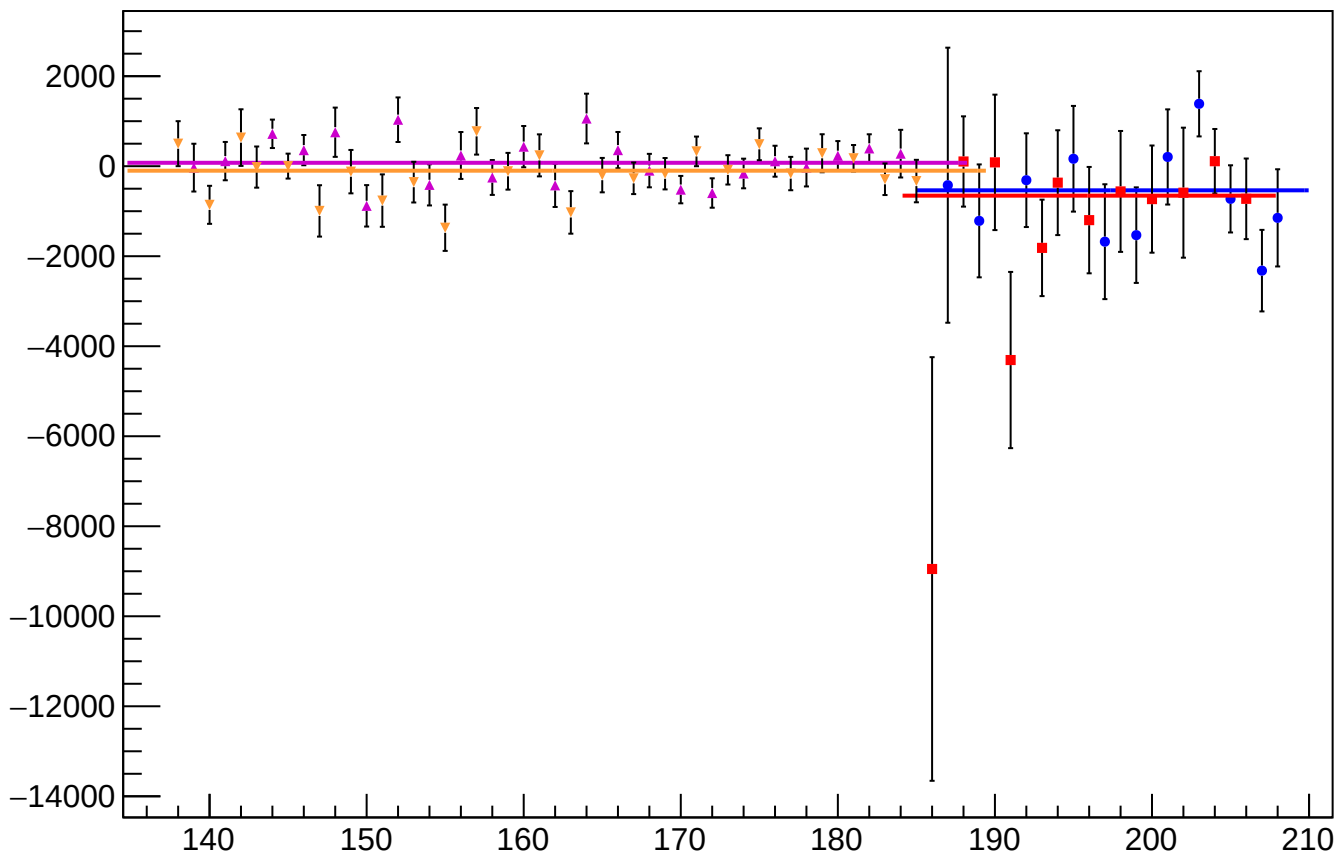
Left In: 331.666+/-0.057 χ^2/NDF : 1303192.2/22

+ sign 363.234+/-0.054 χ^2/NDF : 7264829.3/35

All: 363.702+/-0.039 χ^2/NDF : 15176634.4/70

- sign 364.196+/-0.056 χ^2/NDF : 7911652.2/34

asym_sam_15_26_dd_mean vs Slug



Right In: -536.167 ± 307.672 χ^2/NDF : 14.2/10

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -654.513 ± 333.295 χ^2/NDF : 10.0/11

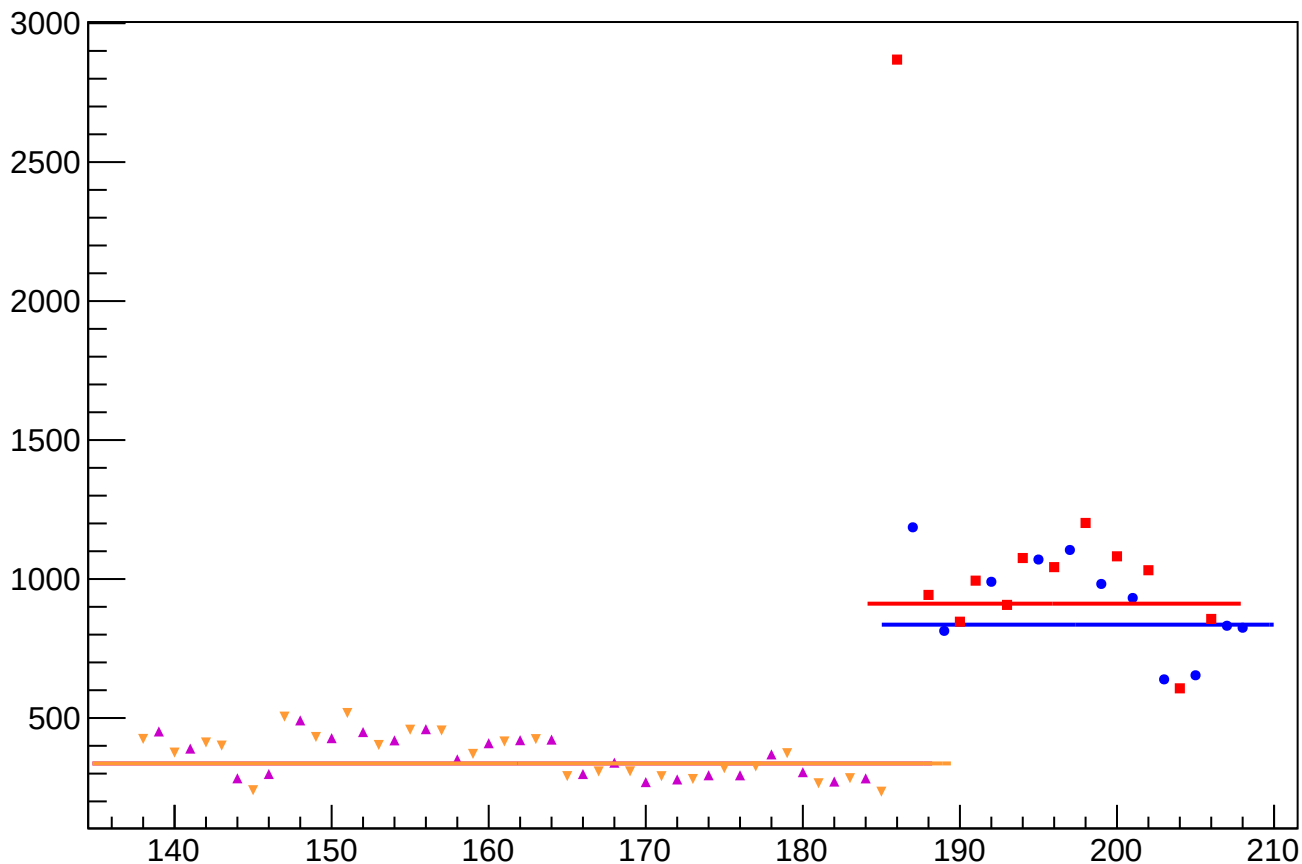
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -127.697 ± 77.813 χ^2/NDF : 46.7/35

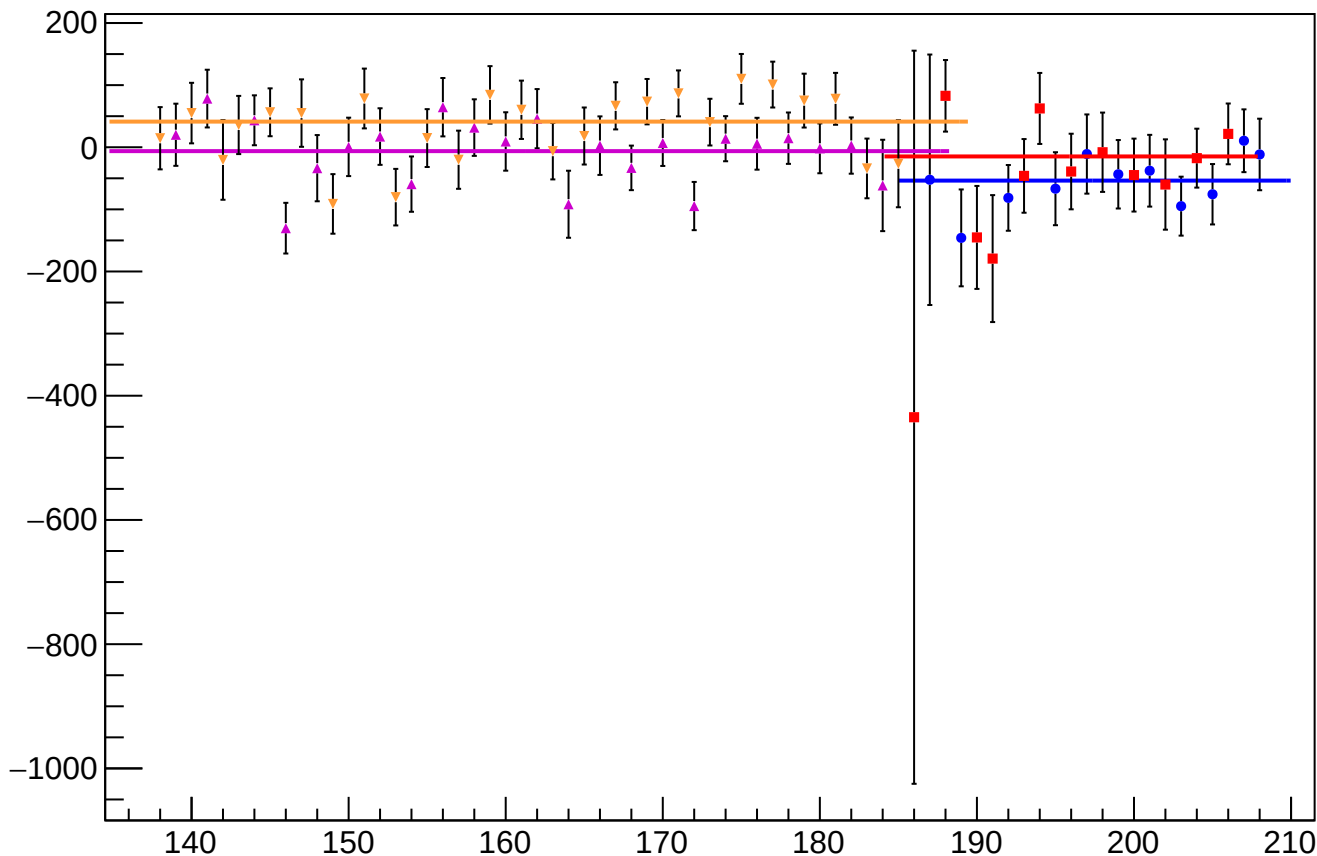
All: -49.198 ± 55.751 χ^2/NDF : 95.4/70

- sign 33.603 ± 79.917 χ^2/NDF : 46.6/34

asym_sam_15_26_dd_rms vs Slug



reg_asym_sam_37_26_dd_mean vs Slug



Right In: -53.690 ± 17.484 χ^2/NDF : 5.4/10

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -14.802 ± 18.280 χ^2/NDF : 11.9/11

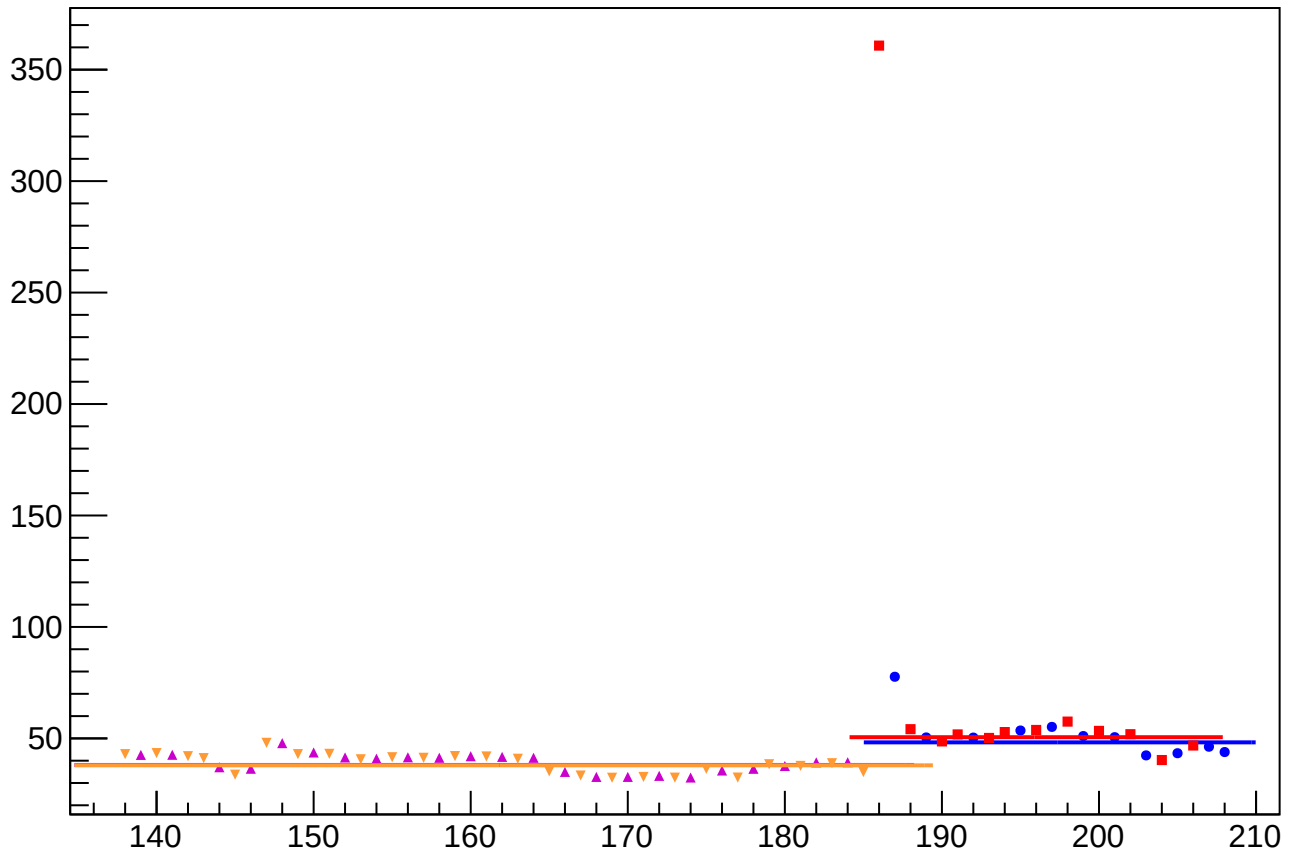
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 21.775 ± 7.924 χ^2/NDF : 63.2/35

All: 7.410 ± 5.698 χ^2/NDF : 112.4/70

- sign -7.974 ± 8.200 χ^2/NDF : 42.4/34

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 48.224 $\pm$ 0.012 χ^2 /NDF: 160884.9/10

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

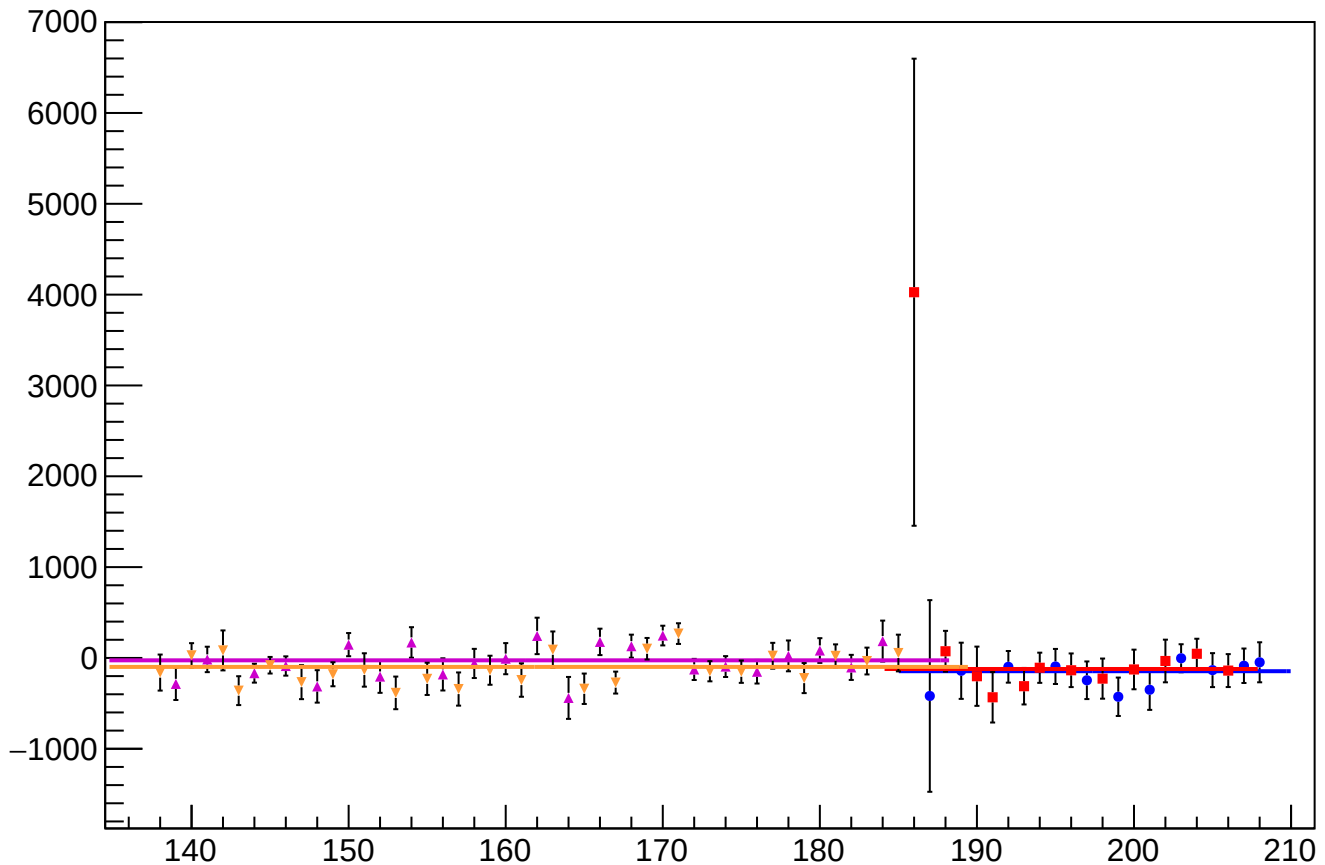
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 40.041 $\pm$ 0.006 χ^2 /NDF: 1199445.6/35

All: 40.307 $\pm$ 0.004 χ^2 /NDF: 3046784.7/70

- sign 40.592 $\pm$ 0.006 χ^2 /NDF: 1842654.8/34

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -145.955 ± 62.473 χ^2/NDF : 4.2/10

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -121.640 ± 62.136 χ^2/NDF : 7.0/11

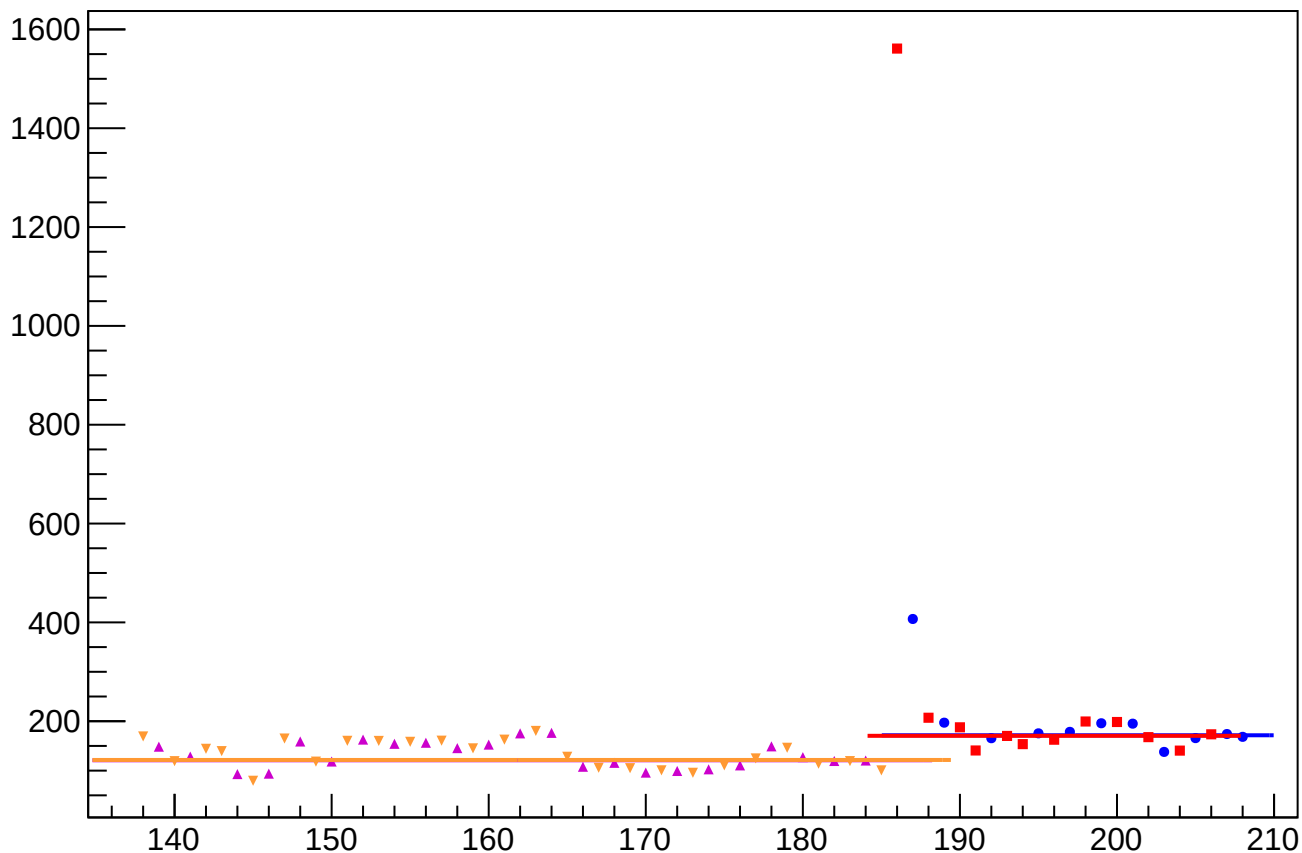
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -107.156 ± 26.375 χ^2/NDF : 37.4/35

All: -76.030 ± 18.791 χ^2/NDF : 79.9/70

- sign -43.944 ± 26.778 χ^2/NDF : 39.6/34

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 171.553 ± 0.044 χ^2/NDF : 265338.4/10

Left Out: 121.592 ± 0.021 χ^2/NDF : 1711423.9/24

Right Out: 170.461 ± 0.044 χ^2/NDF : 824206.0/11

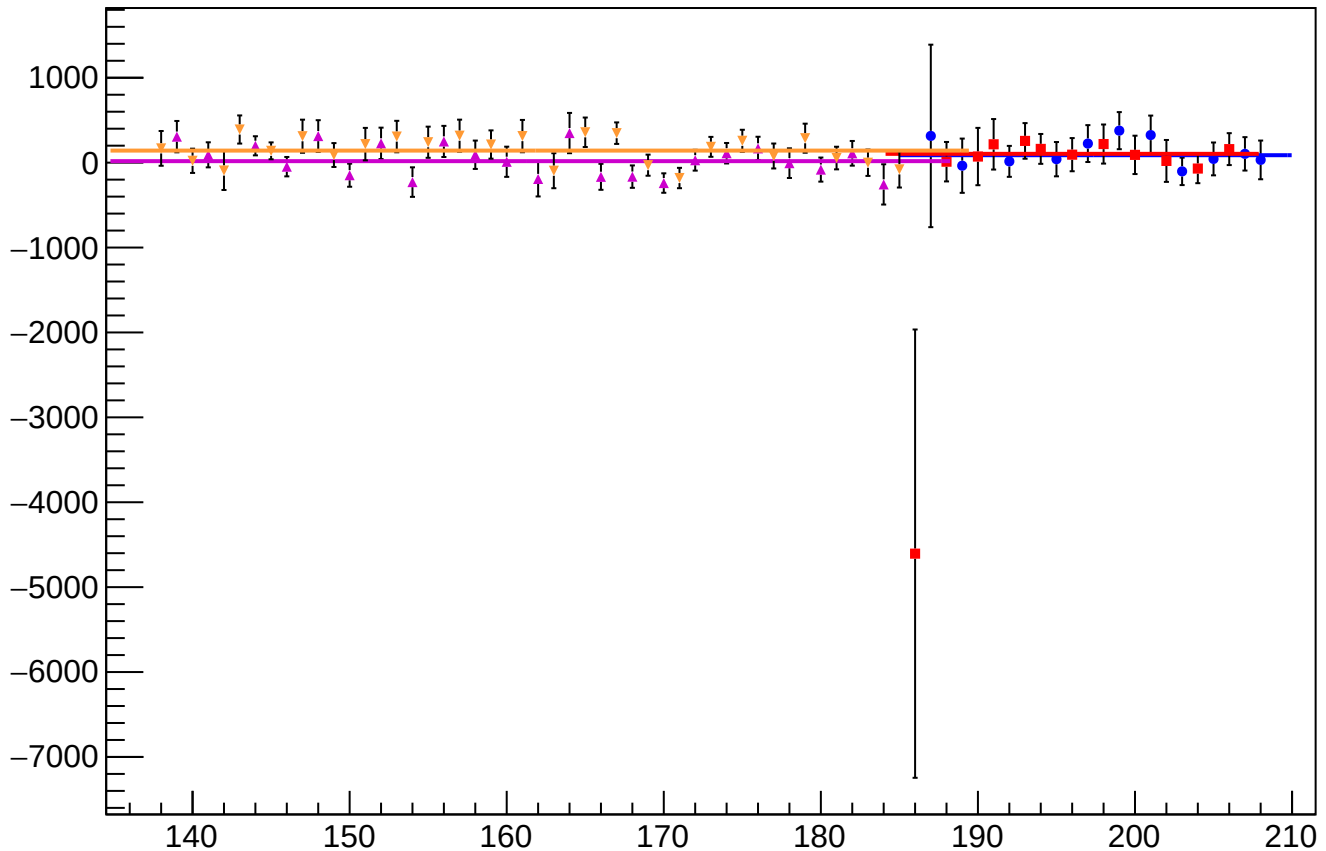
Left In: 120.927 ± 0.021 χ^2/NDF : 1382861.4/22

+ sign 130.497 ± 0.019 χ^2/NDF : 3027895.3/35

All: 130.315 ± 0.013 χ^2/NDF : 6270092.8/70

- sign 130.127 ± 0.019 χ^2/NDF : 3242003.3/34

asym_sam_37_26_dd_mean vs Slug



Right In: 87.725 ± 65.025 χ^2/NDF : 5.1/10

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: 103.790 ± 64.983 χ^2/NDF : 5.6/11

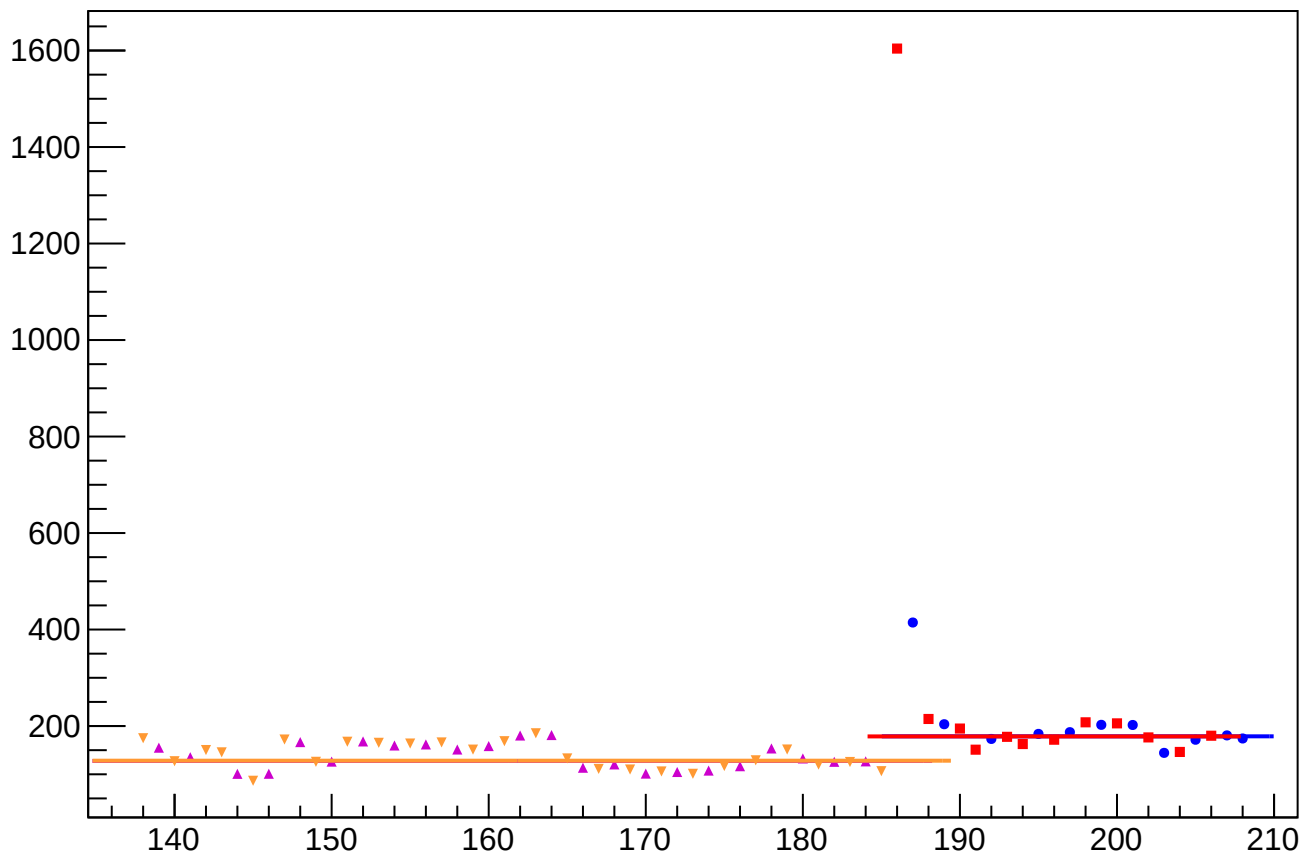
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 132.185 ± 27.668 χ^2/NDF : 32.6/35

All: 83.819 ± 19.727 χ^2/NDF : 76.0/70

- sign 33.818 ± 28.132 χ^2/NDF : 37.2/34

asym_sam_37_26_dd_rms vs Slug



Right In: 178.687 $\pm$ 0.046 χ^2 /NDF: 253296.2/10

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

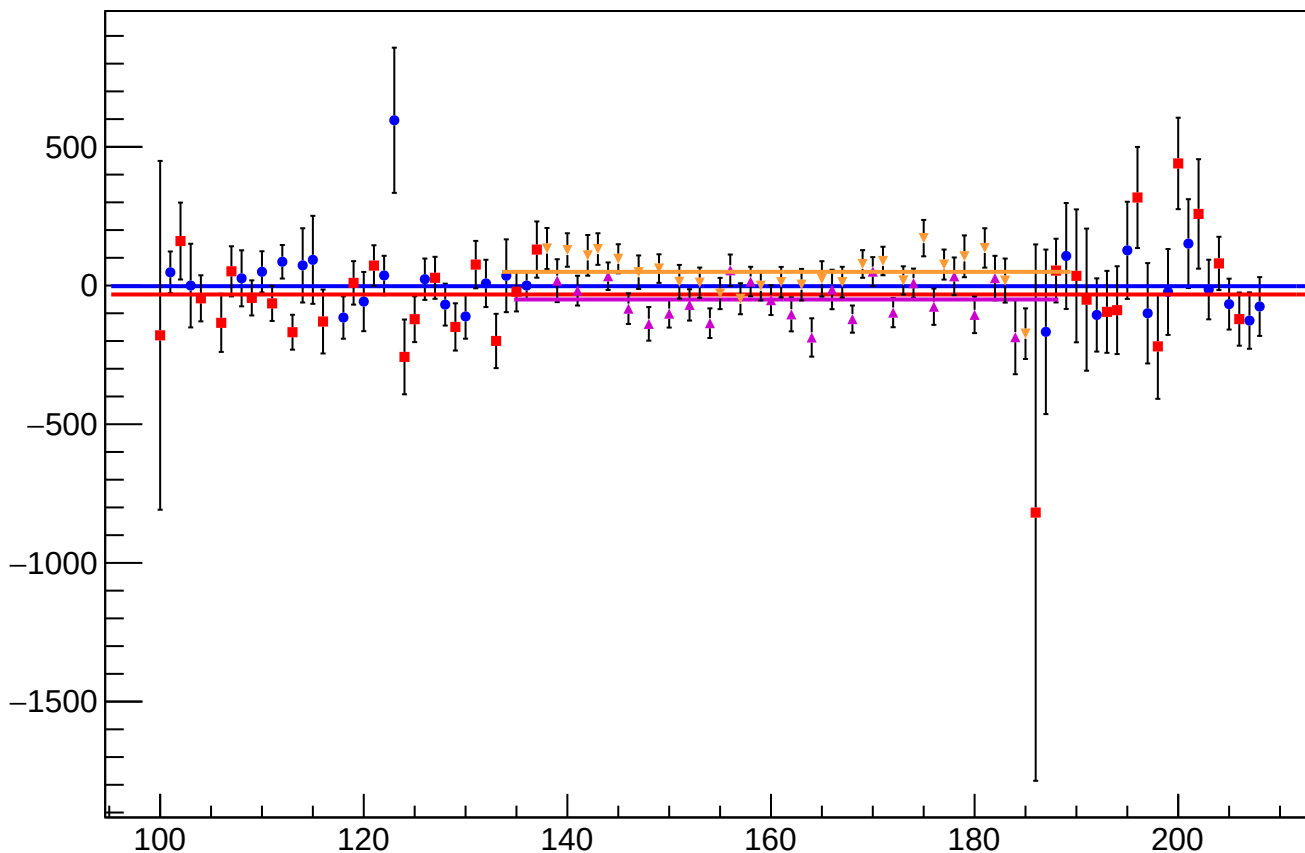
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 137.320 $\pm$ 0.020 χ^2 /NDF: 2774567.8/35

All: 137.210 $\pm$ 0.014 χ^2 /NDF: 5812643.6/70

- sign 137.096 $\pm$ 0.020 χ^2 /NDF: 3038010.8/34

reg_asym_sam_1357_avg_mean vs Slug



Right In: -2.311 ± 18.003 χ^2/NDF : 20.1/27

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -32.245 ± 17.750 χ^2/NDF : 44.3/30

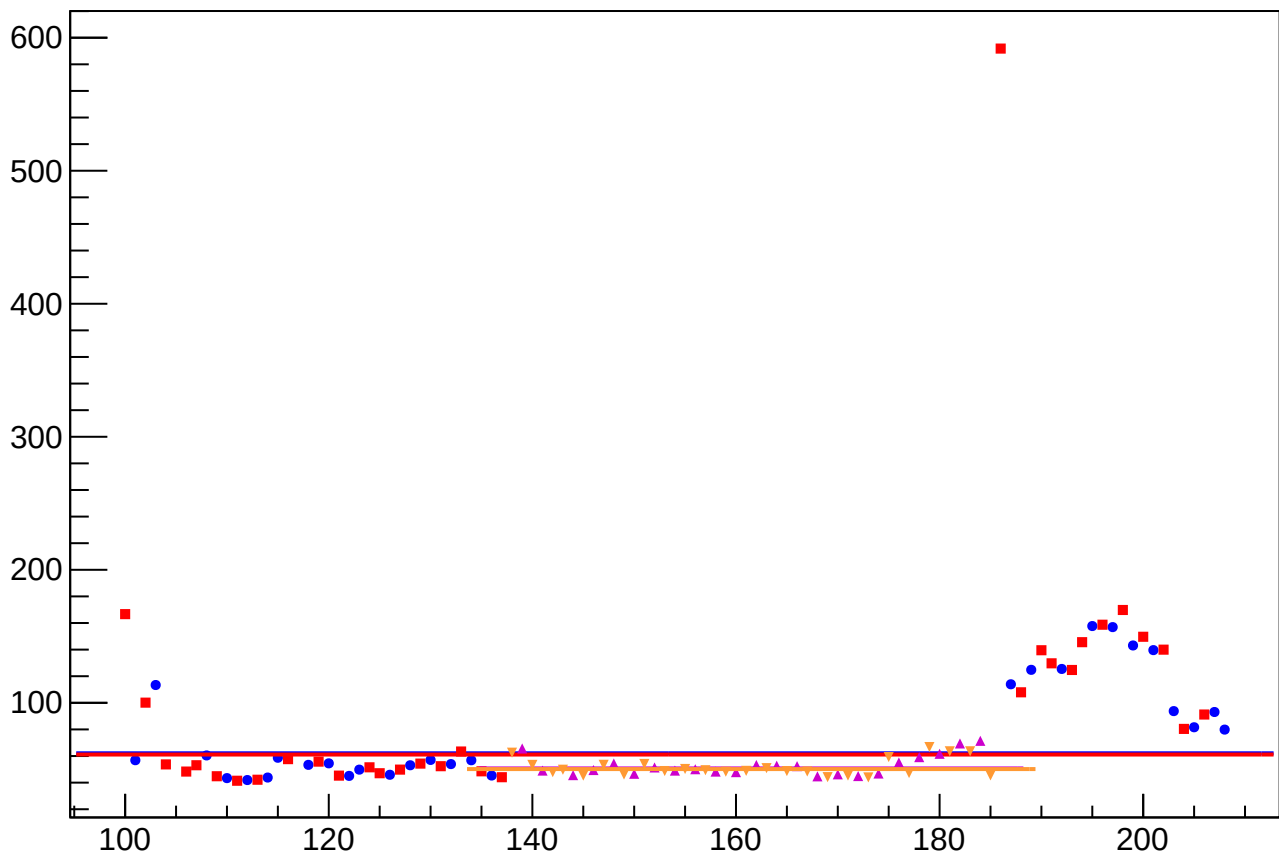
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 33.851 ± 9.872 χ^2/NDF : 54.0/52

All: -4.490 ± 7.054 χ^2/NDF : 161.9/106

- sign -44.494 ± 10.084 χ^2/NDF : 77.2/53

reg_asym_sam_1357_avg_rms vs Slug



Right In: 62.058 $\pm$ 0.013 χ^2 /NDF: 4570492.9/27

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

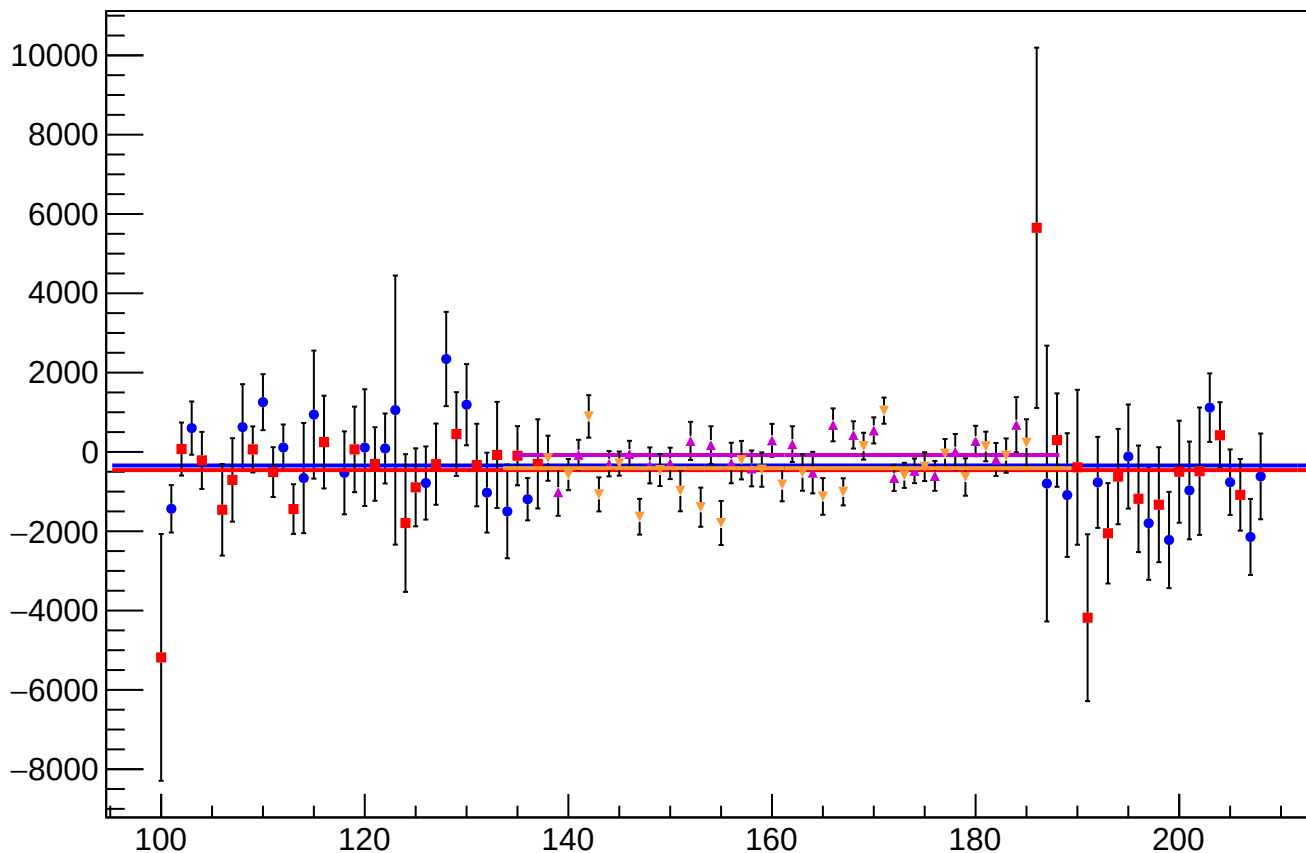
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 53.758 $\pm$ 0.007 χ^2 /NDF: 5645979.7/52

All: 53.902 $\pm$ 0.005 χ^2 /NDF: 12379827.7/106

- sign 54.052 $\pm$ 0.007 χ^2 /NDF: 6732983.0/53

asym_sam_1357_avg_correction_mean vs Slug



Right In: -341.944+/-179.780 χ^2/NDF : 35.4/27

Left Out: -409.164+/-82.348 χ^2/NDF : 61.7/24

Right Out: -458.458+/-178.803 χ^2/NDF : 18.9/30

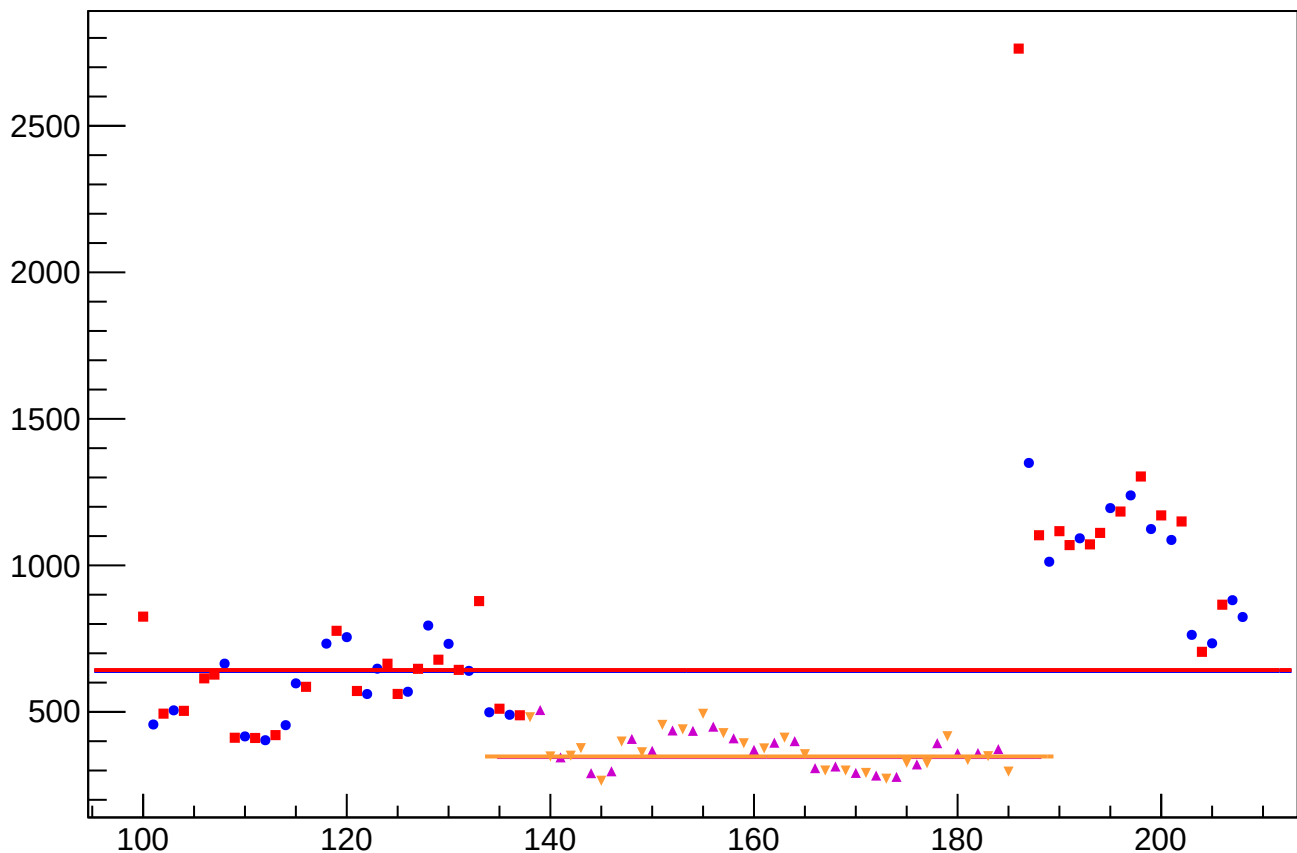
Left In: -77.872+/-84.072 χ^2/NDF : 24.8/22

+ sign -397.506+/-74.868 χ^2/NDF : 97.2/52

All: -274.158+/-53.364 χ^2/NDF : 150.1/106

- sign -146.779+/-76.082 χ^2/NDF : 47.4/53

asym_sam_1357_avg_correction_rms vs Slug



Right In: 639.662 ± 0.127 $\chi^2/\text{NDF}: 3179805.4/27$

Left Out: 347.875 ± 0.058 $\chi^2/\text{NDF}: 1044096.7/24$

Right Out: 642.873 ± 0.126 $\chi^2/\text{NDF}: 4130612.7/30$

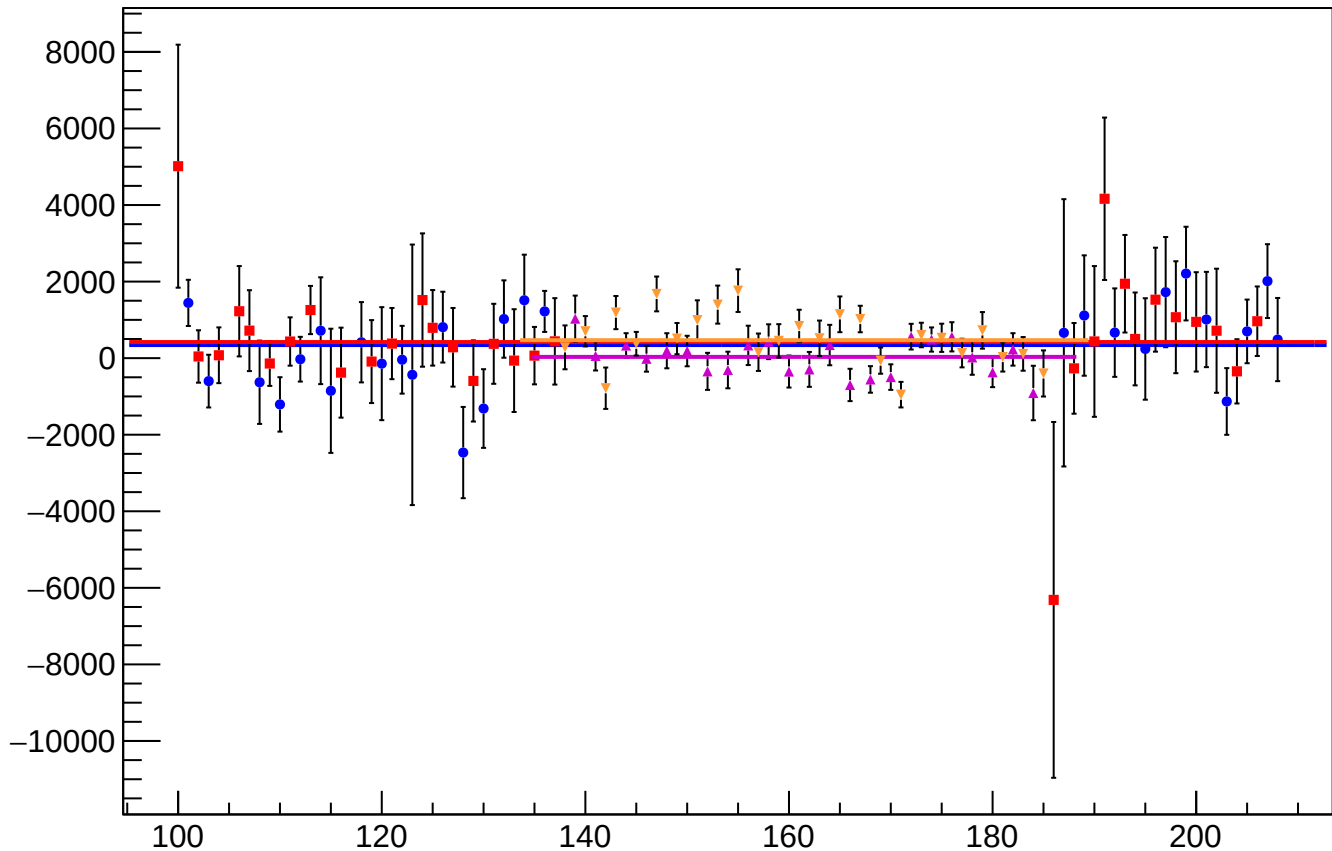
Left In: 345.954 ± 0.059 $\chi^2/\text{NDF}: 900847.0/22$

+ sign 398.478 ± 0.053 $\chi^2/\text{NDF}: 8578650.6/52$

All: 399.086 ± 0.038 $\chi^2/\text{NDF}: 18126988.4/10$

- sign 399.713 ± 0.054 $\chi^2/\text{NDF}: 9548070.2/53$

asym_sam_1357_avg_mean vs Slug



Right In: 342.158 $\pm$ 181.058 χ^2 /NDF: 34.6/27

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF: 57.5/24

Right Out: 420.650 $\pm$ 180.178 χ^2 /NDF: 17.6/30

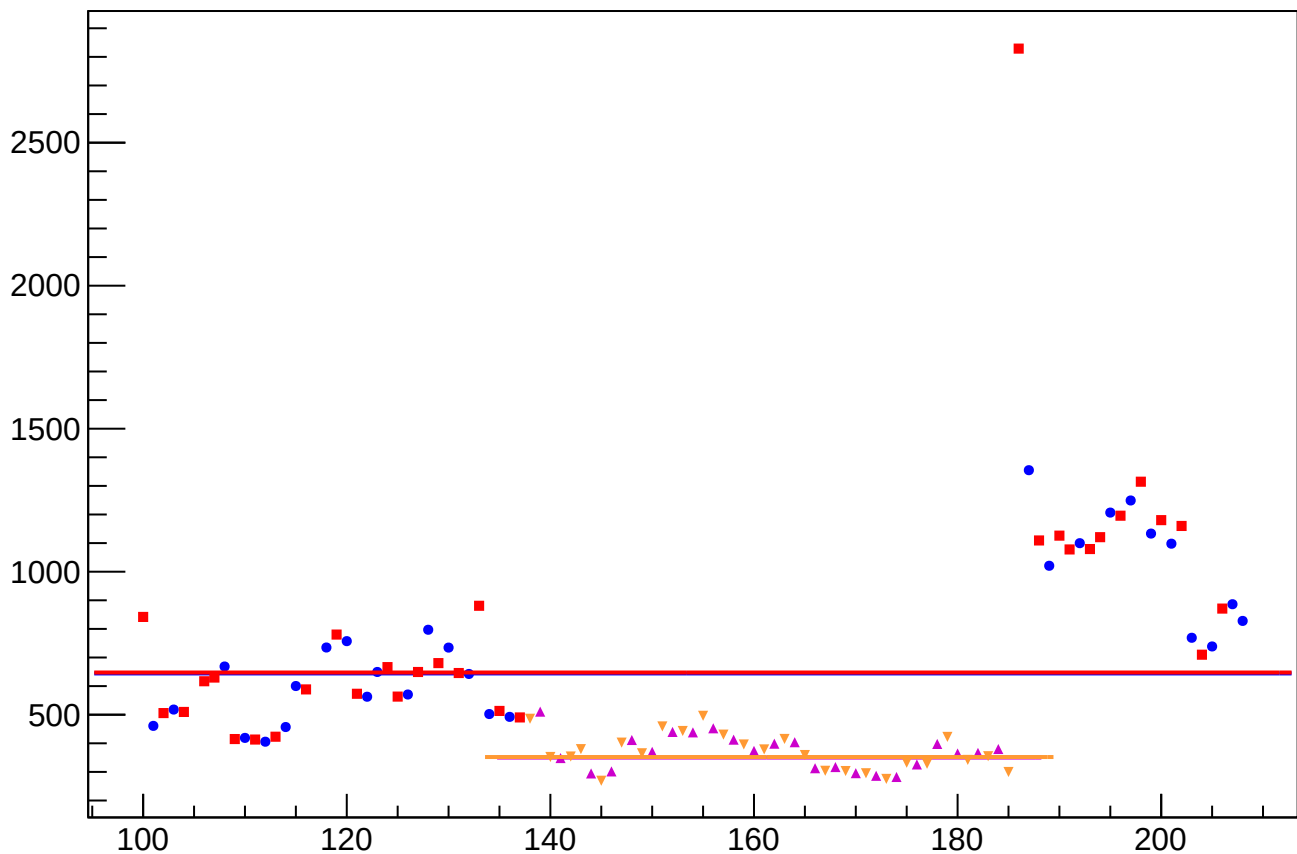
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 446.731 $\pm$ 75.672 χ^2 /NDF: 92.5/52

All: 277.923 $\pm$ 53.945 χ^2 /NDF: 149.7/106

- sign 103.491 $\pm$ 76.922 χ^2 /NDF: 47.1/53

asym_sam_1357_avg_rms vs Slug



Right In: 644.282+/-0.128 χ^2/NDF : 3174878.5/27

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 647.559+/-0.127 χ^2/NDF : 4131875.9/30

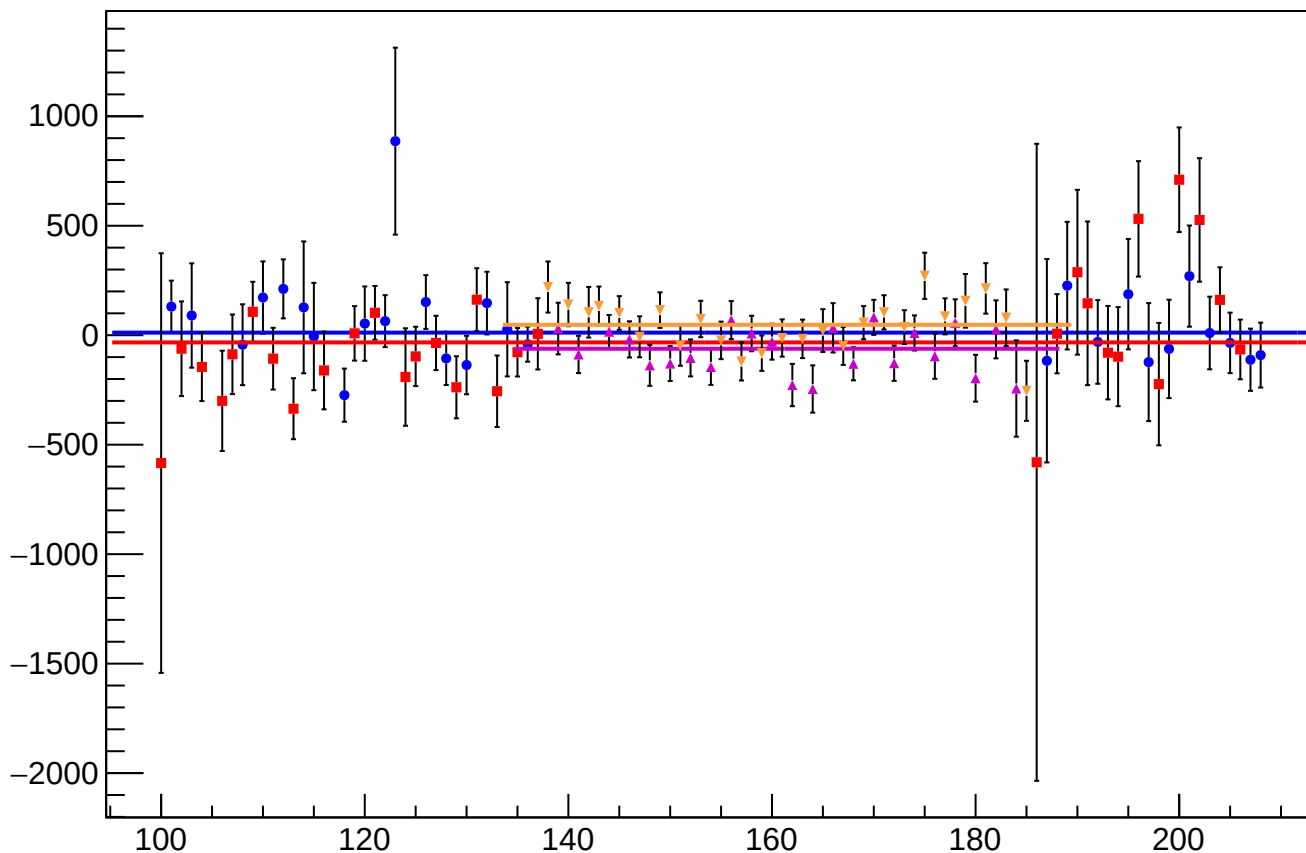
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 403.066+/-0.054 χ^2/NDF : 8493155.3/52

All: 403.705+/-0.038 χ^2/NDF : 17959445.3/10

- sign 404.365+/-0.054 χ^2/NDF : 9466000.2/53

reg_asym_sam_2468_avg_mean vs Slug



Right In: 11.874 ± 29.760 $\chi^2/\text{NDF}: 23.4/27$

Left Out: 47.426 ± 18.253 $\chi^2/\text{NDF}: 29.4/24$

Right Out: -32.866 ± 30.590 $\chi^2/\text{NDF}: 38.6/30$

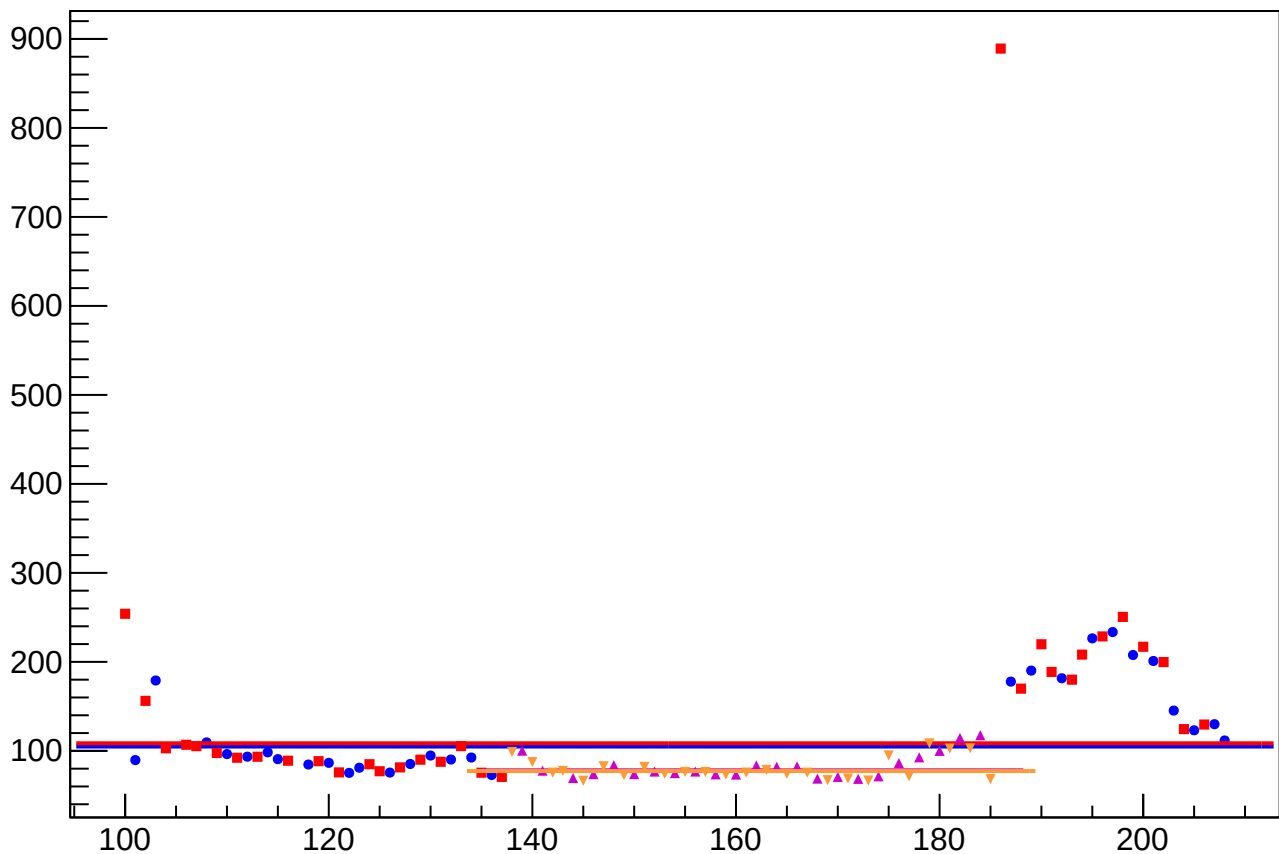
Left In: -61.830 ± 18.958 $\chi^2/\text{NDF}: 24.0/22$

+ sign 37.708 ± 15.559 $\chi^2/\text{NDF}: 53.8/52$

All: -6.440 ± 11.193 $\chi^2/\text{NDF}: 133.8/106$

- sign -53.792 ± 16.114 $\chi^2/\text{NDF}: 63.3/53$

reg_asym_sam_2468_avg_rms vs Slug



Right In: 104.878+/-0.021 χ^2/NDF : 3438837.8/27

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 108.524+/-0.022 χ^2/NDF : 4324658.8/30

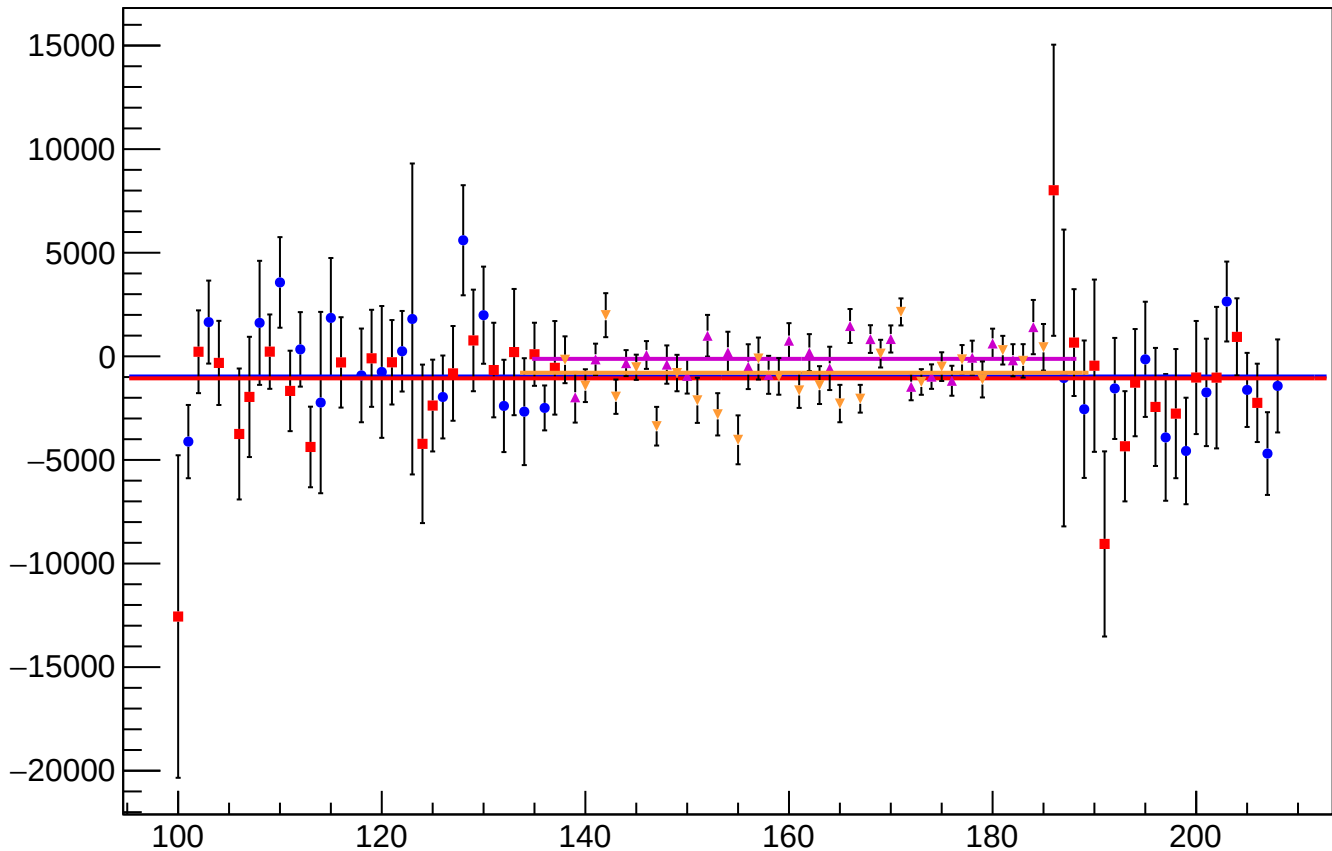
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 84.850+/-0.011 χ^2/NDF : 5320988.8/52

All: 85.680+/-0.008 χ^2/NDF : 11665324.5/106

- sign 86.571+/-0.011 χ^2/NDF : 6332538.1/53

asym_sam_2468_avg_correction_mean vs Slug



Right In: -973.101 ± 423.723 χ^2/NDF : 33.3/27

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1062.708 ± 432.642 χ^2/NDF : 18.9/30

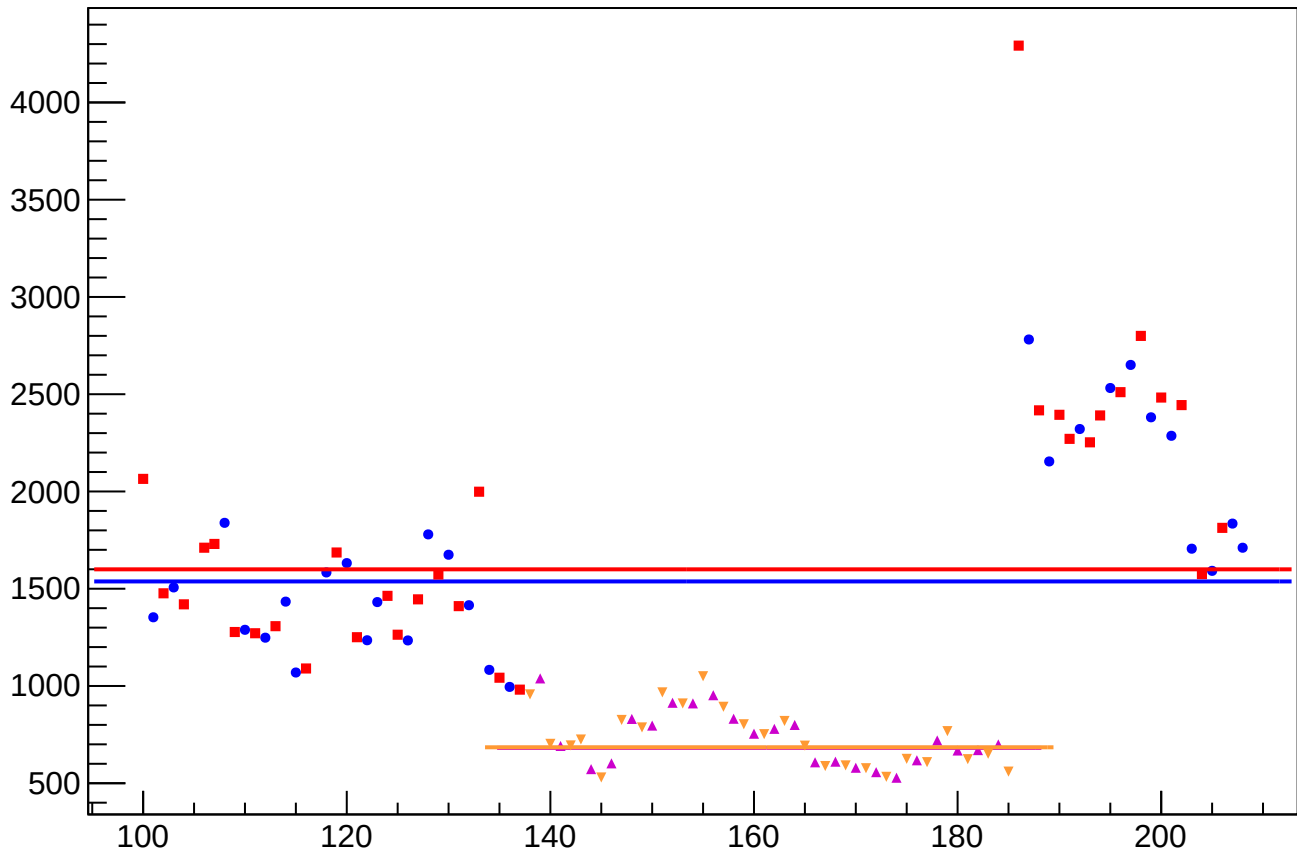
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -815.936 ± 151.854 χ^2/NDF : 100.1/52

All: -535.667 ± 108.520 χ^2/NDF : 156.0/106

- sign -243.134 ± 155.141 χ^2/NDF : 48.9/53

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1537.509 +/- 0.300 χ^2/NDF : 2175508.4/27

Left Out: 684.785 +/- 0.115 χ^2/NDF : 1280146.2/24

Right Out: 1599.705 +/- 0.306 χ^2/NDF : 2677077.9/30

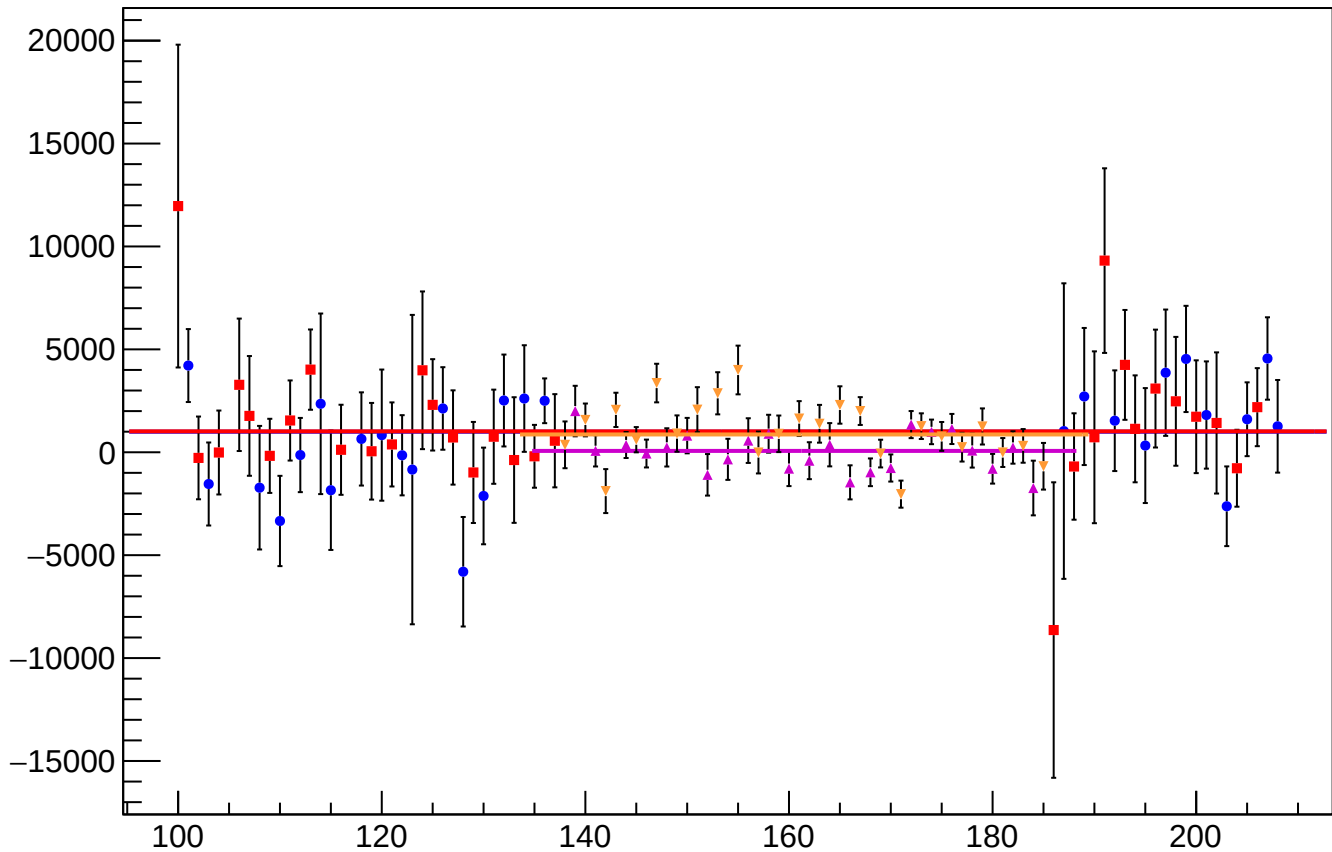
Left In: 681.712 +/- 0.118 χ^2/NDF : 1119637.0/22

+ sign 794.306 +/- 0.107 χ^2/NDF : 10515284.2/52

All: 796.972 +/- 0.077 χ^2/NDF : 22159762.3/10

- sign 799.754 +/- 0.110 χ^2/NDF : 11643218.9/53

asym_sam_2468_avg_mean vs Slug



Right In: 999.468 $\pm$ 425.021 χ^2 /NDF: 32.9/27

Left Out: 865.597 $\pm$ 163.885 χ^2 /NDF: 62.8/24

Right Out: 1016.421 $\pm$ 434.141 χ^2 /NDF: 18.3/30

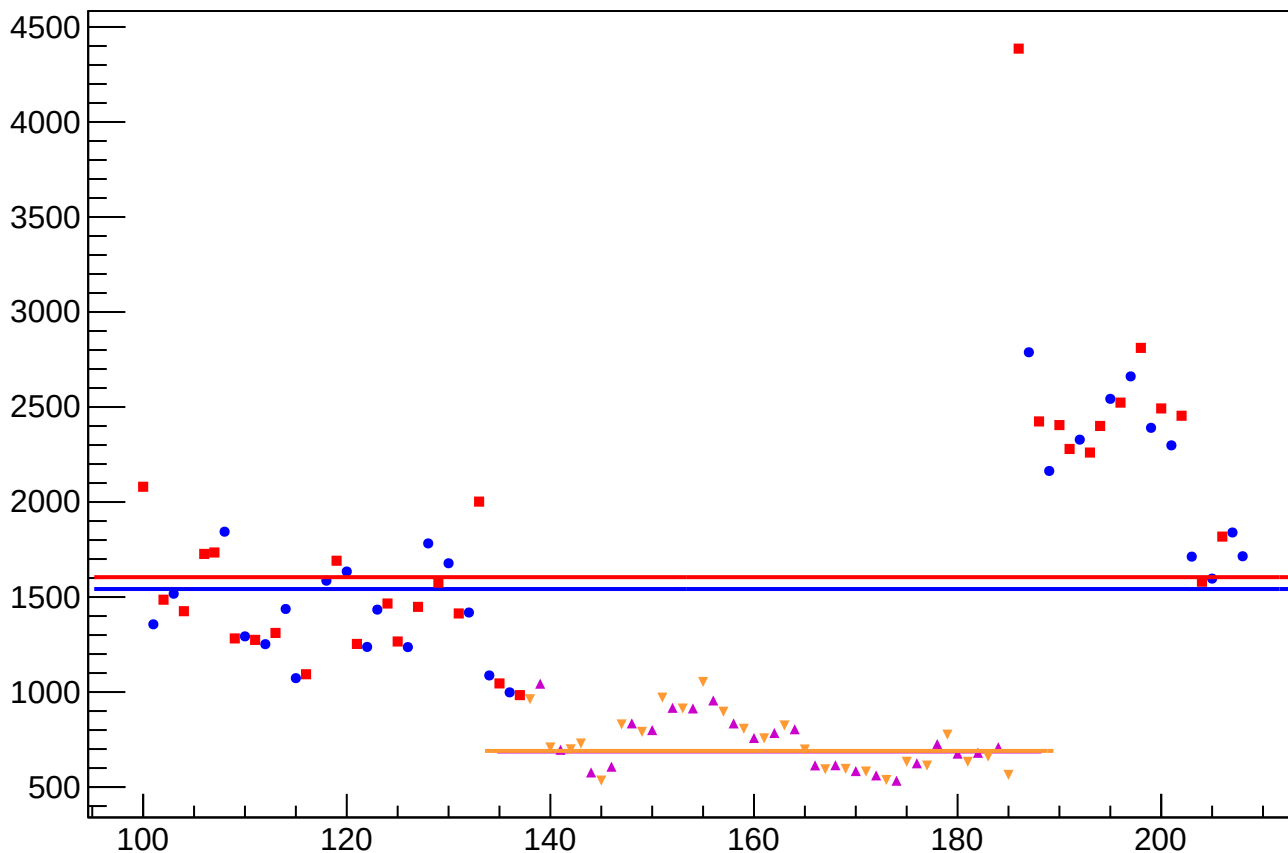
Left In: 65.924 $\pm$ 167.485 χ^2 /NDF: 26.4/22

+ sign 882.925 $\pm$ 152.912 χ^2 /NDF: 95.8/52

All: 543.506 $\pm$ 109.289 χ^2 /NDF: 154.7/106

- sign 189.060 $\pm$ 156.260 χ^2 /NDF: 48.9/53

asym_sam_2468_avg_rms vs Slug



Right In: 1542.107+/-0.301 χ^2/NDF : 2179590.9/27

Left Out: 690.166+/-0.116 χ^2/NDF : 1258158.2/24

Right Out: 1604.596+/-0.307 χ^2/NDF : 2689664.2/30

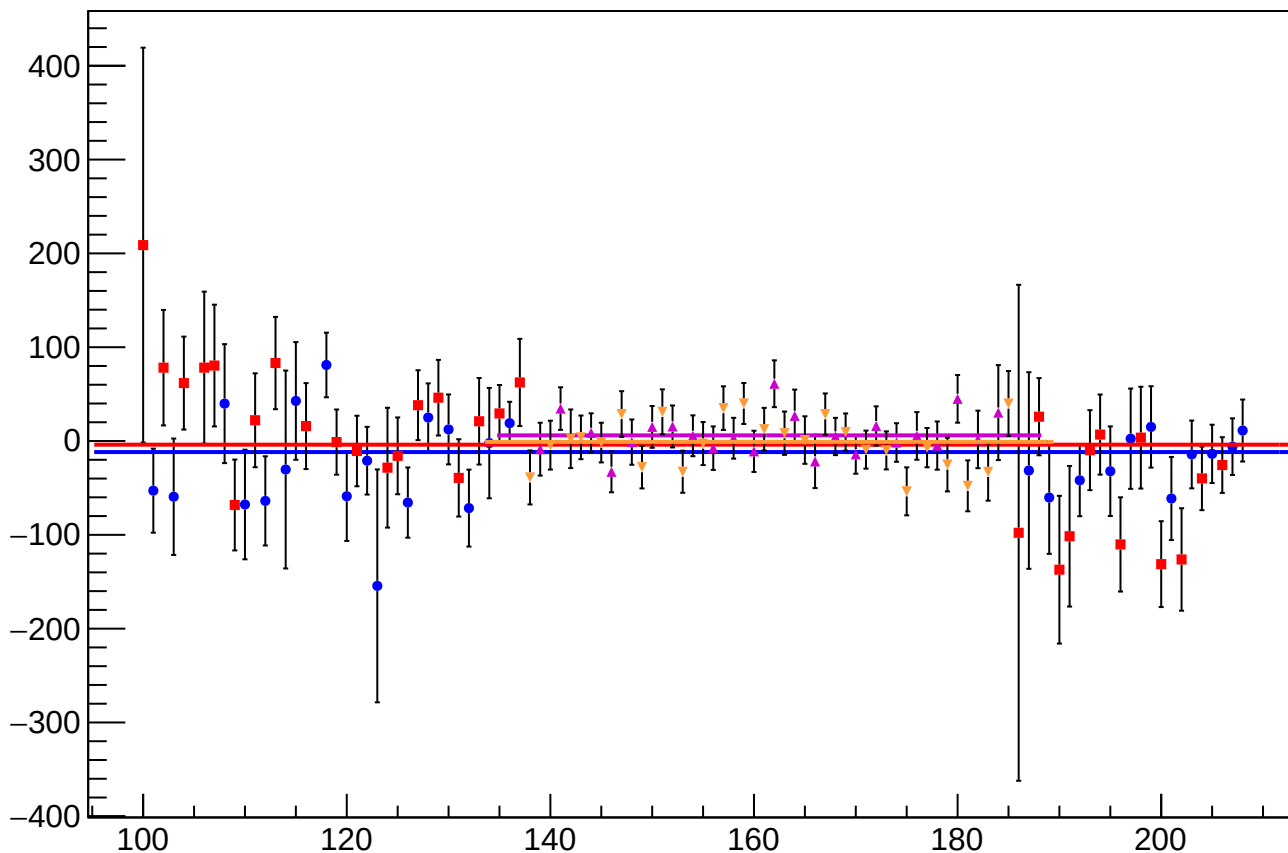
Left In: 687.216+/-0.118 χ^2/NDF : 1099706.1/22

+ sign 800.439+/-0.108 χ^2/NDF : 10433400.2/52

All: 803.190+/-0.077 χ^2/NDF : 21997514.6/10

- sign 806.062+/-0.110 χ^2/NDF : 11562791.7/53

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -11.761 ± 7.930 χ^2/NDF : 25.8/27

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -3.886 ± 8.242 χ^2/NDF : 44.2/30

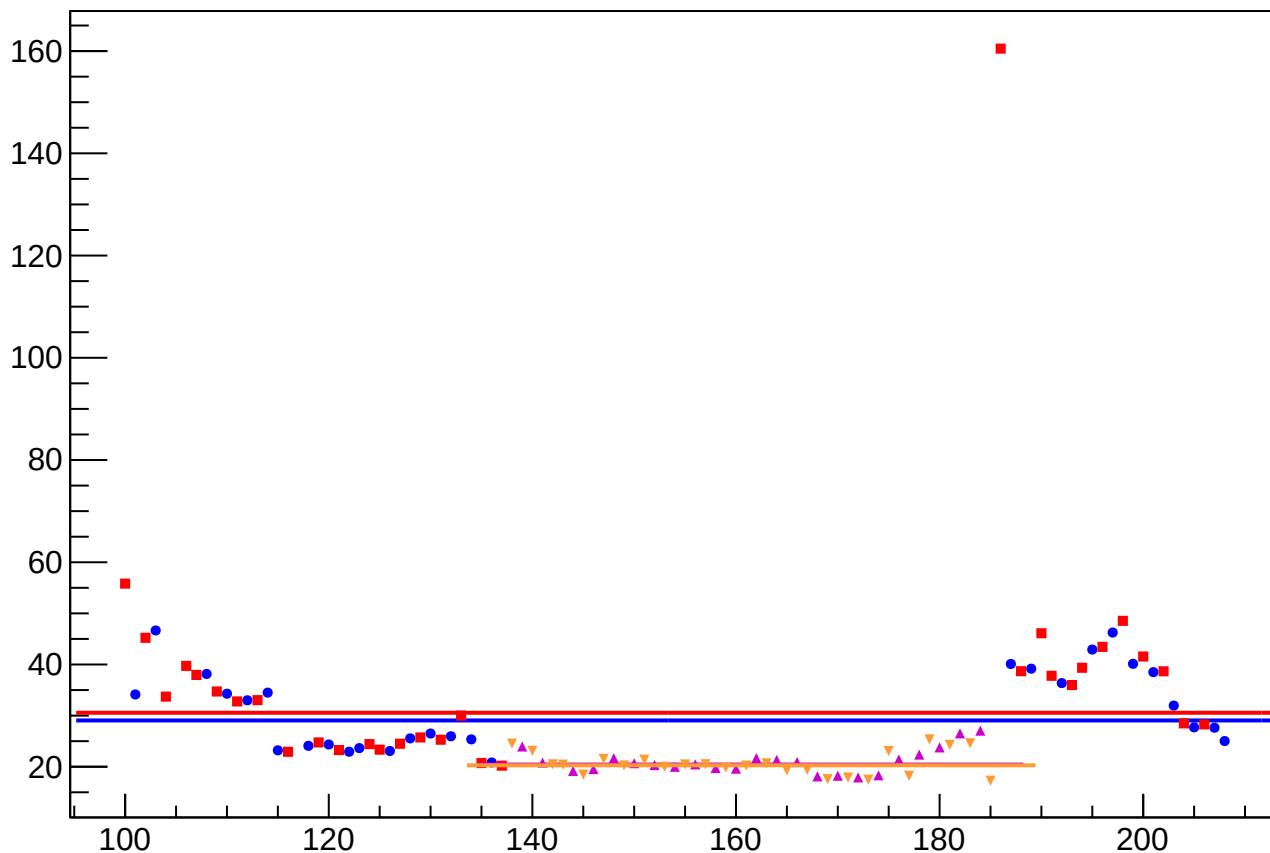
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.749 ± 4.081 χ^2/NDF : 55.1/52

All: -0.286 ± 2.936 χ^2/NDF : 118.9/106

- sign 3.429 ± 4.228 χ^2/NDF : 62.2/53

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.053+/-0.006 χ^2 /NDF: 1562256.6/27

Left Out: 20.279+/-0.003 χ^2 /NDF: 407056.4/24

Right Out: 30.559+/-0.006 χ^2 /NDF: 2223531.7/30

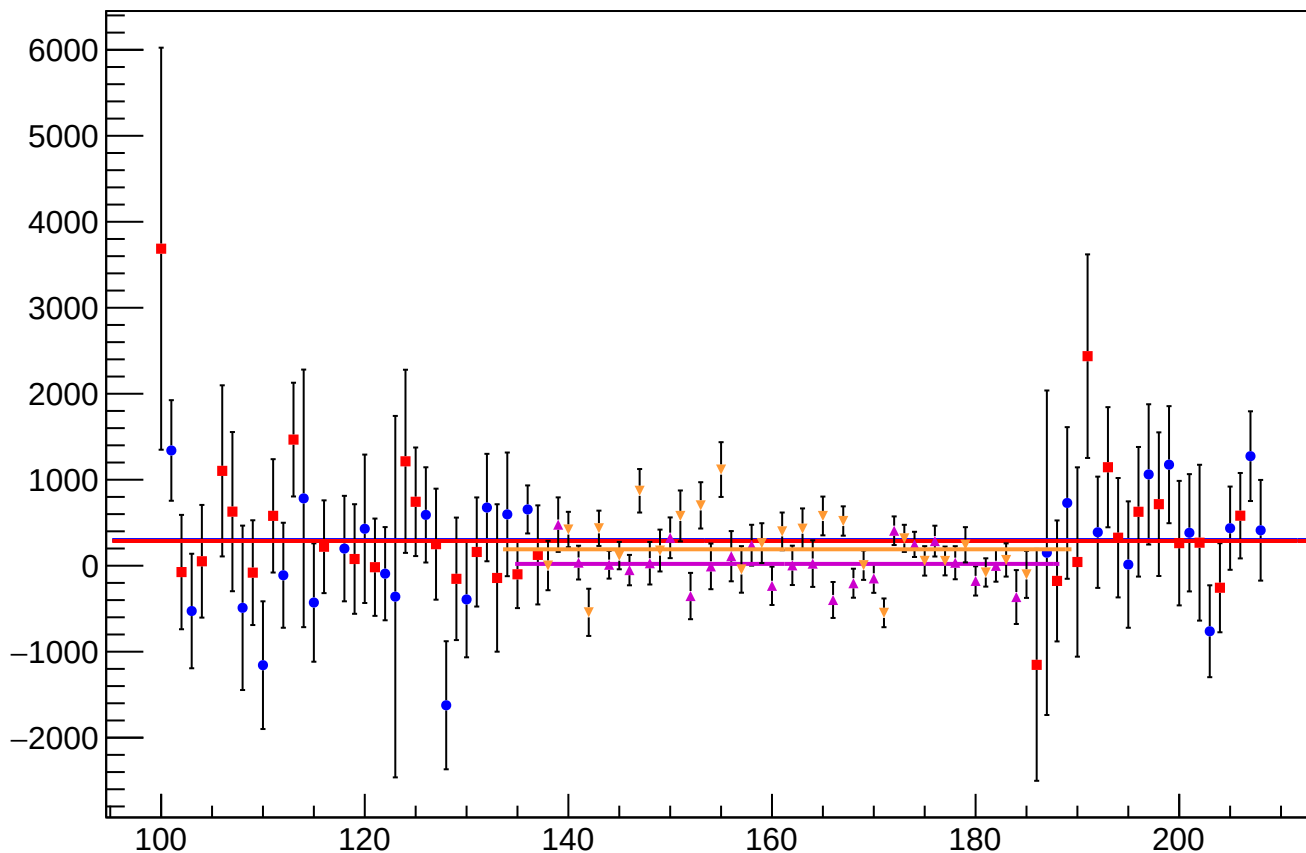
Left In: 20.424+/-0.003 χ^2 /NDF: 323427.4/22

+ sign 22.604+/-0.003 χ^2 /NDF: 3769174.2/52

All: 22.839+/-0.002 χ^2 /NDF: 8558675.3/106

- sign 23.091+/-0.003 χ^2 /NDF: 4775738.3/53

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 298.220 ± 118.254 $\chi^2/\text{NDF}: 32.2/27$

Left Out: 190.867 ± 41.314 $\chi^2/\text{NDF}: 67.9/24$

Right Out: 287.571 ± 122.479 $\chi^2/\text{NDF}: 18.9/30$

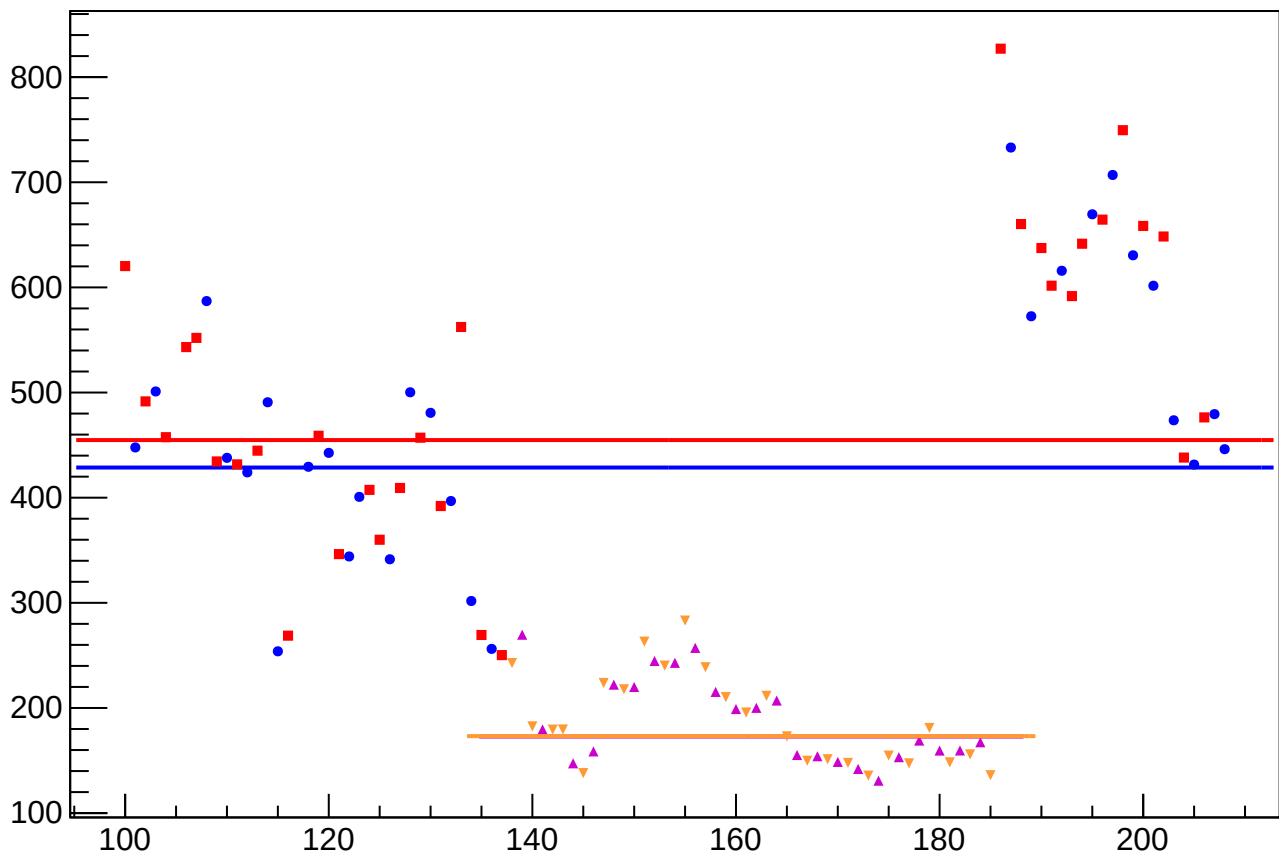
Left In: 20.998 ± 42.291 $\chi^2/\text{NDF}: 27.7/22$

+ sign 202.545 ± 39.002 $\chi^2/\text{NDF}: 100.8/52$

All: 127.856 ± 27.916 $\chi^2/\text{NDF}: 159.2/106$

- sign 49.395 ± 39.975 $\chi^2/\text{NDF}: 50.8/53$

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 428.671+/-0.084 χ^2/NDF : 2232295.2/27

Left Out: 173.210+/-0.029 χ^2/NDF :1561250.6/24

Right Out: 454.795+/-0.087 χ^2/NDF : 2466125.9/30

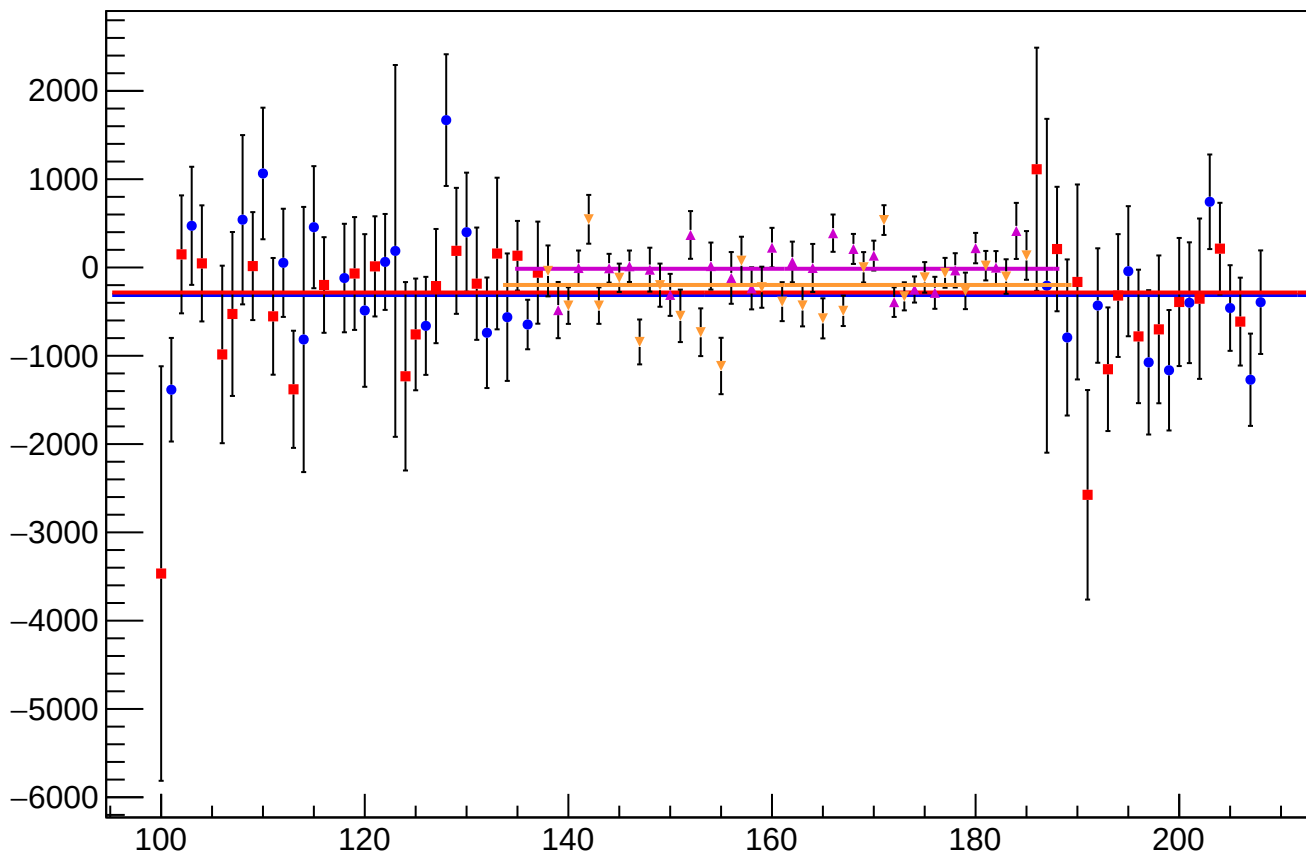
Left In: 172.828+/-0.030 χ^2/NDF :1372131.7/22

+ sign 200.999+/-0.028 χ^2/NDF : 12111824.4/52

All: 201.908+/-0.020 χ^2/NDF : 25423092.1/10

- sign 202.864+/-0.028 χ^2/NDF : 13309036.5/53

asym_sam_1357_2468_dd_mean vs Slug



Right In: -311.816 ± 118.565 χ^2/NDF : 32.1/27

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -283.434 ± 122.829 χ^2/NDF : 18.8/30

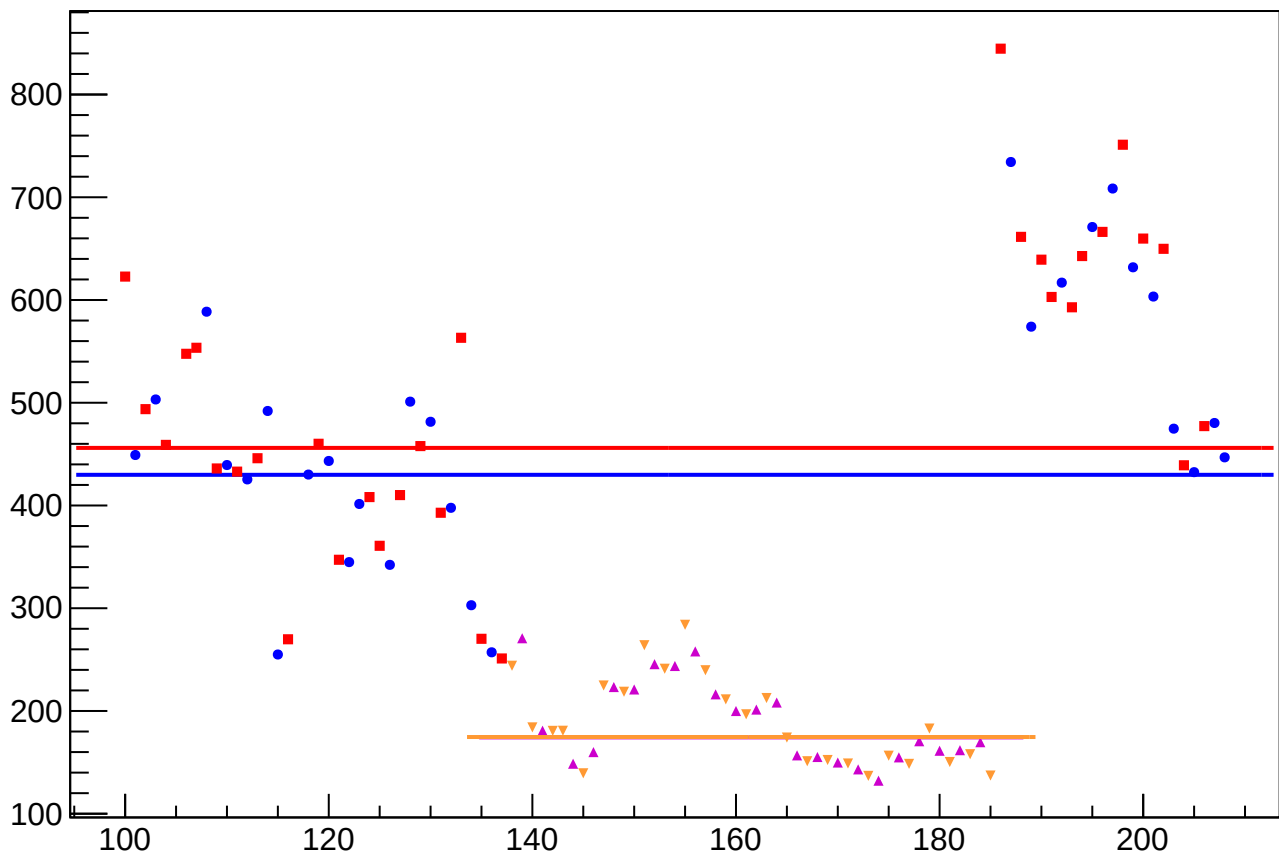
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -210.423 ± 39.286 χ^2/NDF : 97.2/52

All: -129.039 ± 28.122 χ^2/NDF : 156.8/106

- sign -43.514 ± 40.273 χ^2/NDF : 50.8/53

asym_sam_1357_2468_dd_rms vs Slug



Right In: 429.858 $\pm$ 0.084 χ^2 /NDF: 2225692.1/27

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

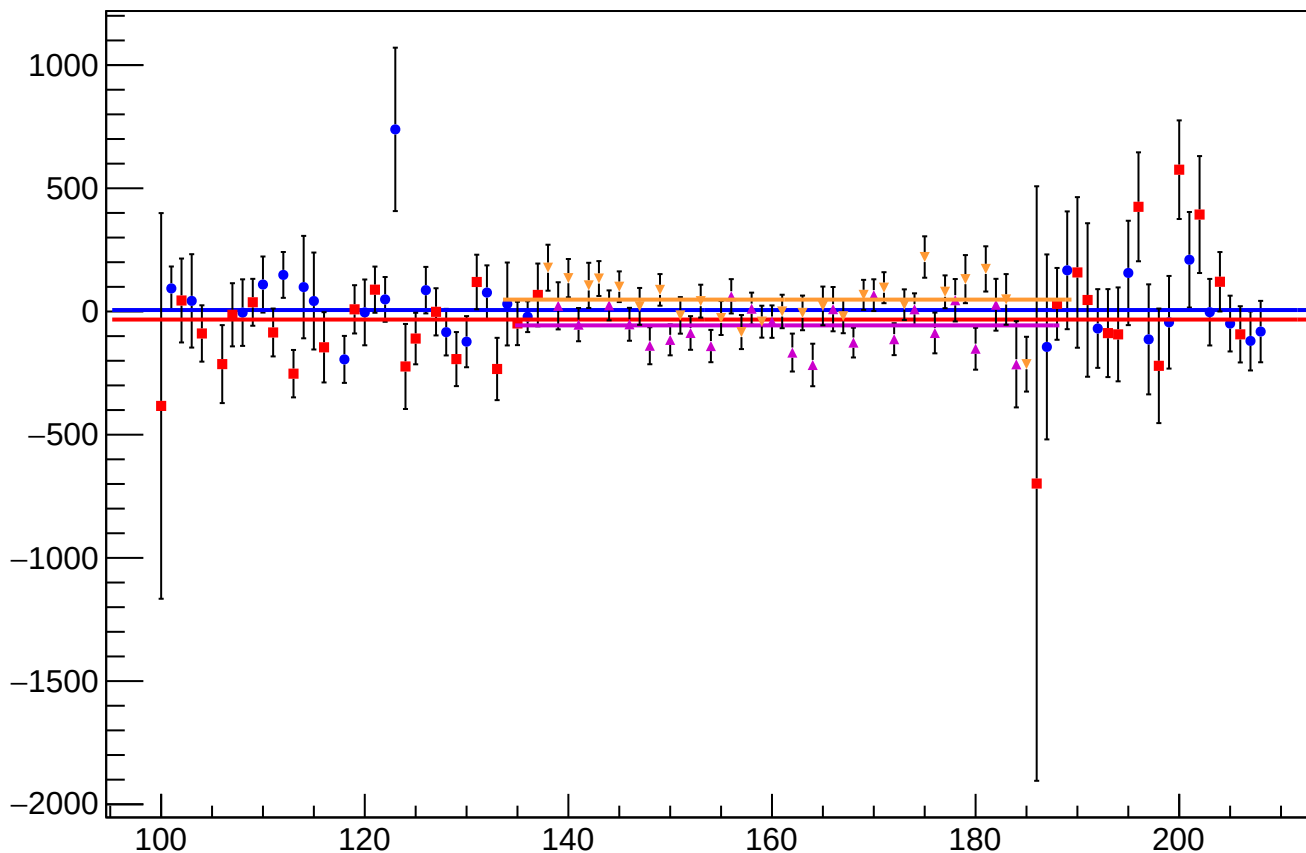
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF:1344779.5/22

+ sign 202.667 $\pm$ 0.028 χ^2 /NDF: 12006770.2/52

All: 203.599 $\pm$ 0.020 χ^2 /NDF: 25216119.6/10

- sign 204.579 $\pm$ 0.028 χ^2 /NDF: 13207040.5/53

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 5.904 ± 23.153 χ^2/NDF : 22.4/27

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: -32.720 ± 23.490 χ^2/NDF : 40.0/30

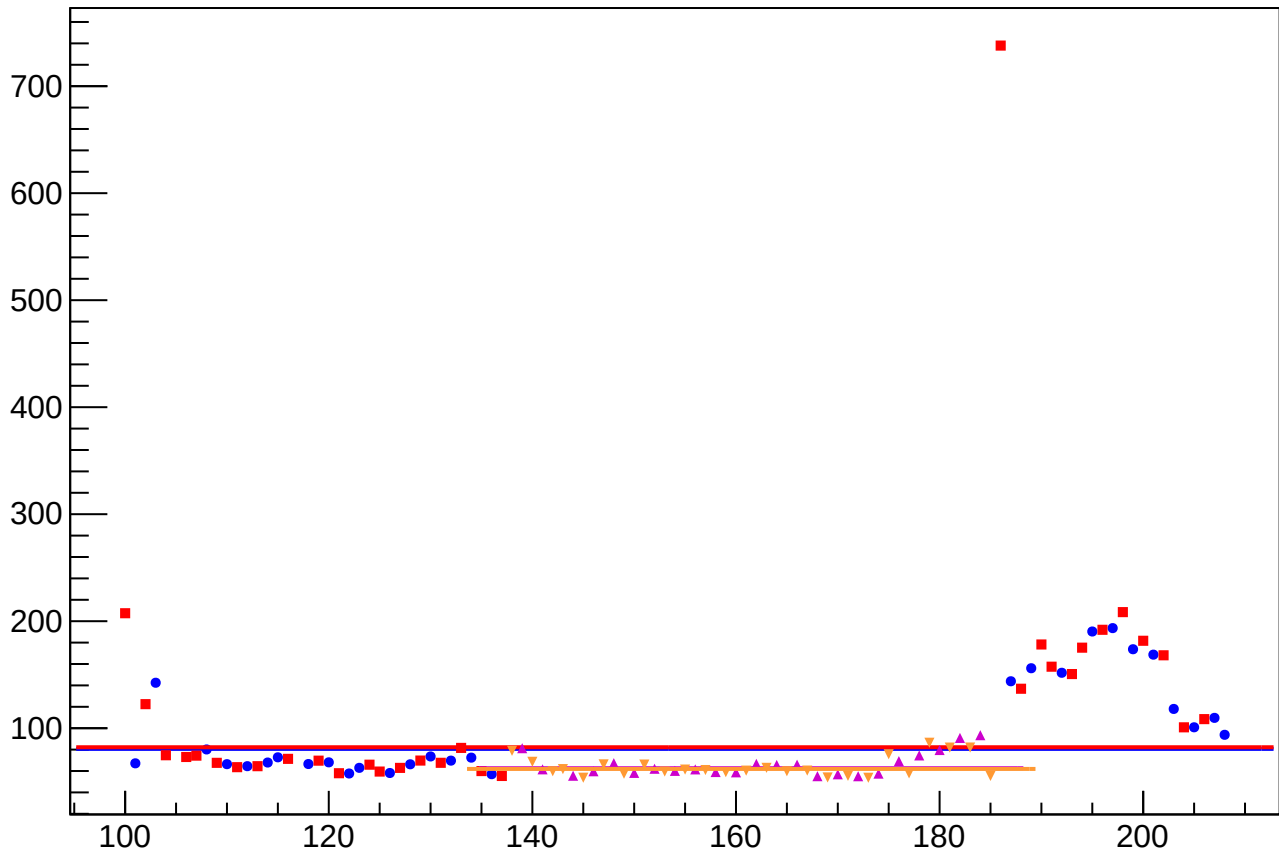
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 36.172 ± 12.359 χ^2/NDF : 54.0/52

All: -5.292 ± 8.874 χ^2/NDF : 145.5/106

- sign -49.425 ± 12.751 χ^2/NDF : 68.2/53

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 80.677 $\pm$ 0.016 χ^2 /NDF: 3996985.0/27

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

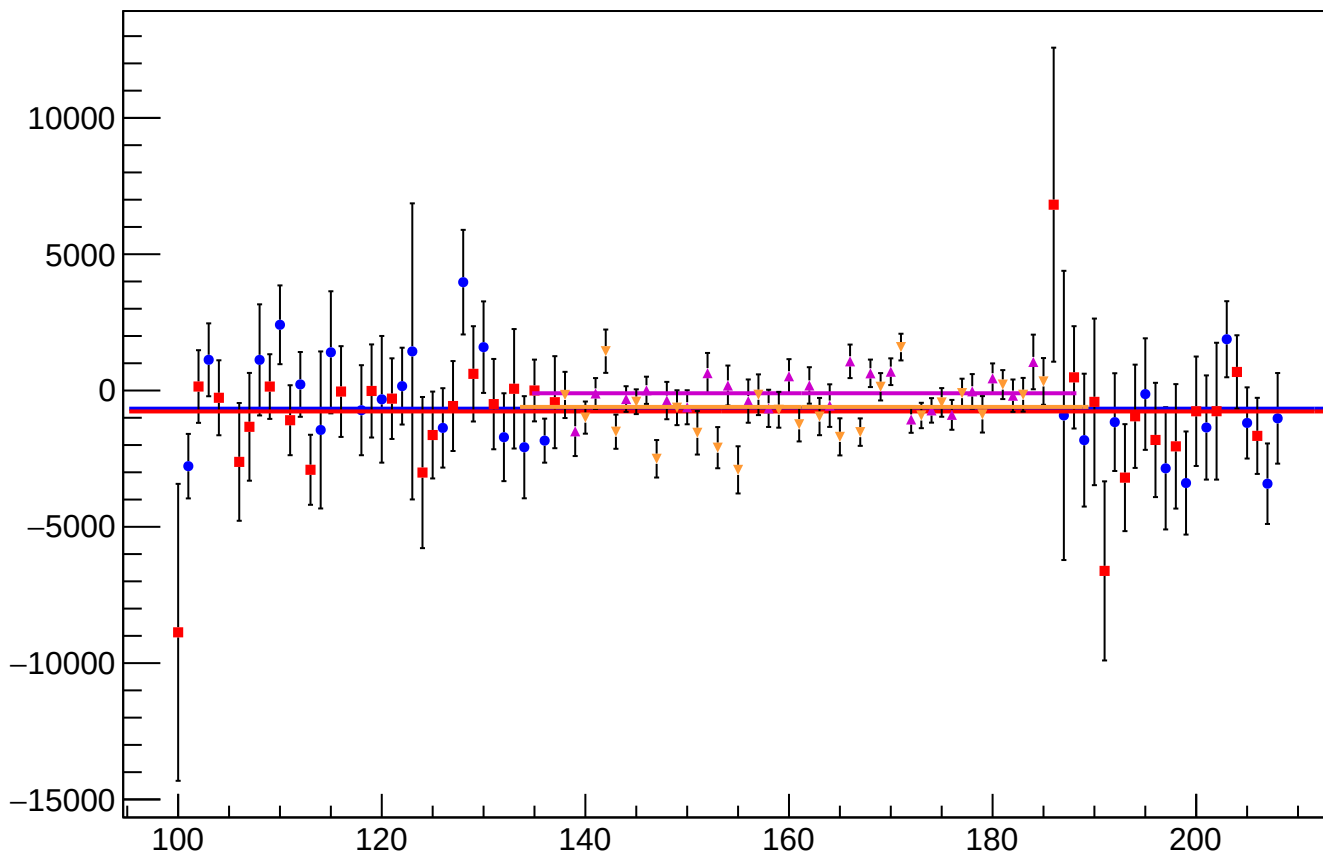
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 67.284 $\pm$ 0.009 χ^2 /NDF: 5537922.2/52

All: 67.815 $\pm$ 0.006 χ^2 /NDF: 12076815.9/106

- sign 68.380 $\pm$ 0.009 χ^2 /NDF: 6531268.0/53

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -666.094 $\pm$ 303.737 χ^2 /NDF: 33.8/27

Left Out: -601.486 $\pm$ 122.119 χ^2 /NDF:65.4/24

Right Out: -768.033 $\pm$ 307.945 χ^2 /NDF: 18.8/30

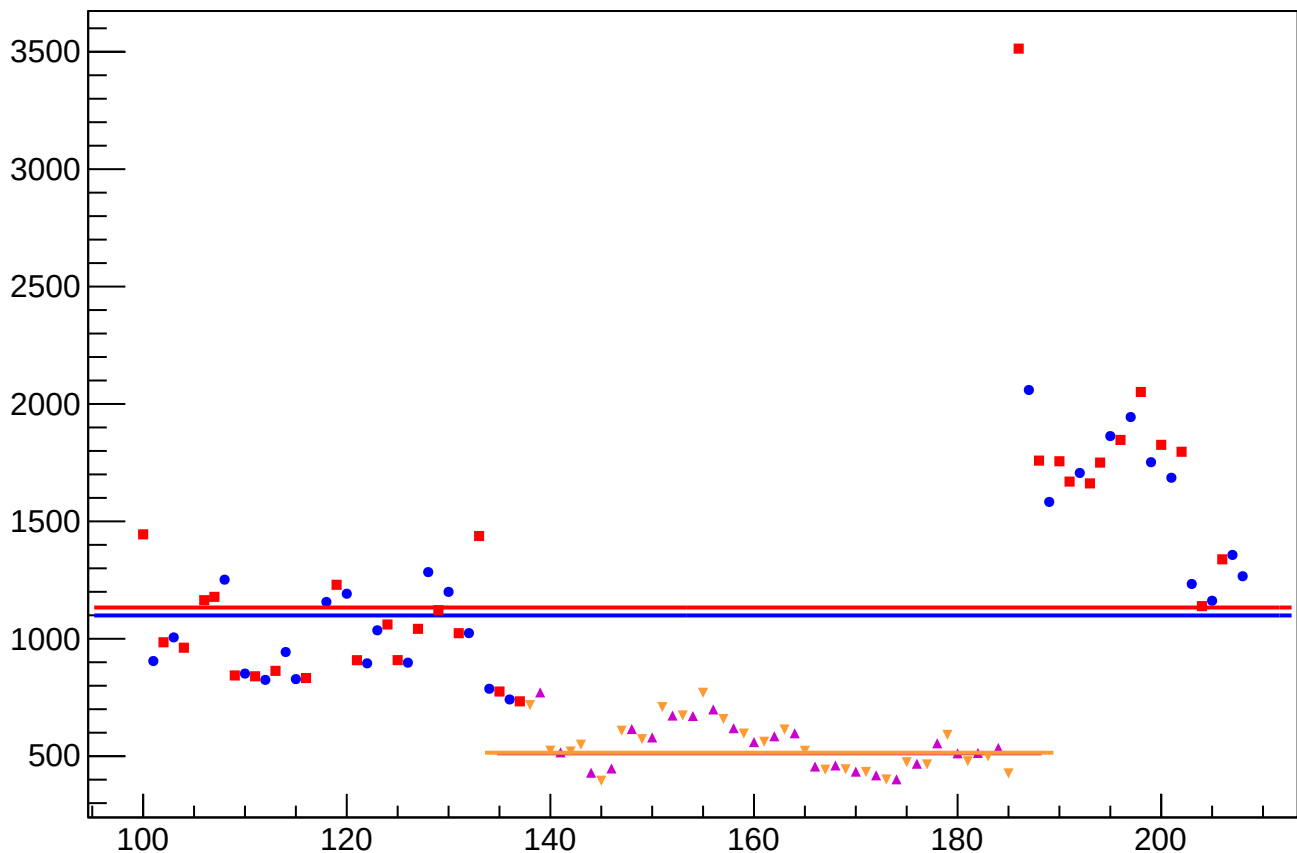
Left In: -100.548 $\pm$ 124.725 χ^2 /NDF:25.5/22

+ sign -610.476 $\pm$ 113.304 χ^2 /NDF: 99.2/52

All: -406.721 $\pm$ 80.918 χ^2 /NDF: 154.2/106

- sign -194.614 $\pm$ 115.603 χ^2 /NDF: 48.3/53

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1099.331 $\pm$ 0.215 χ^2 /NDF: 2306610.1/27

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

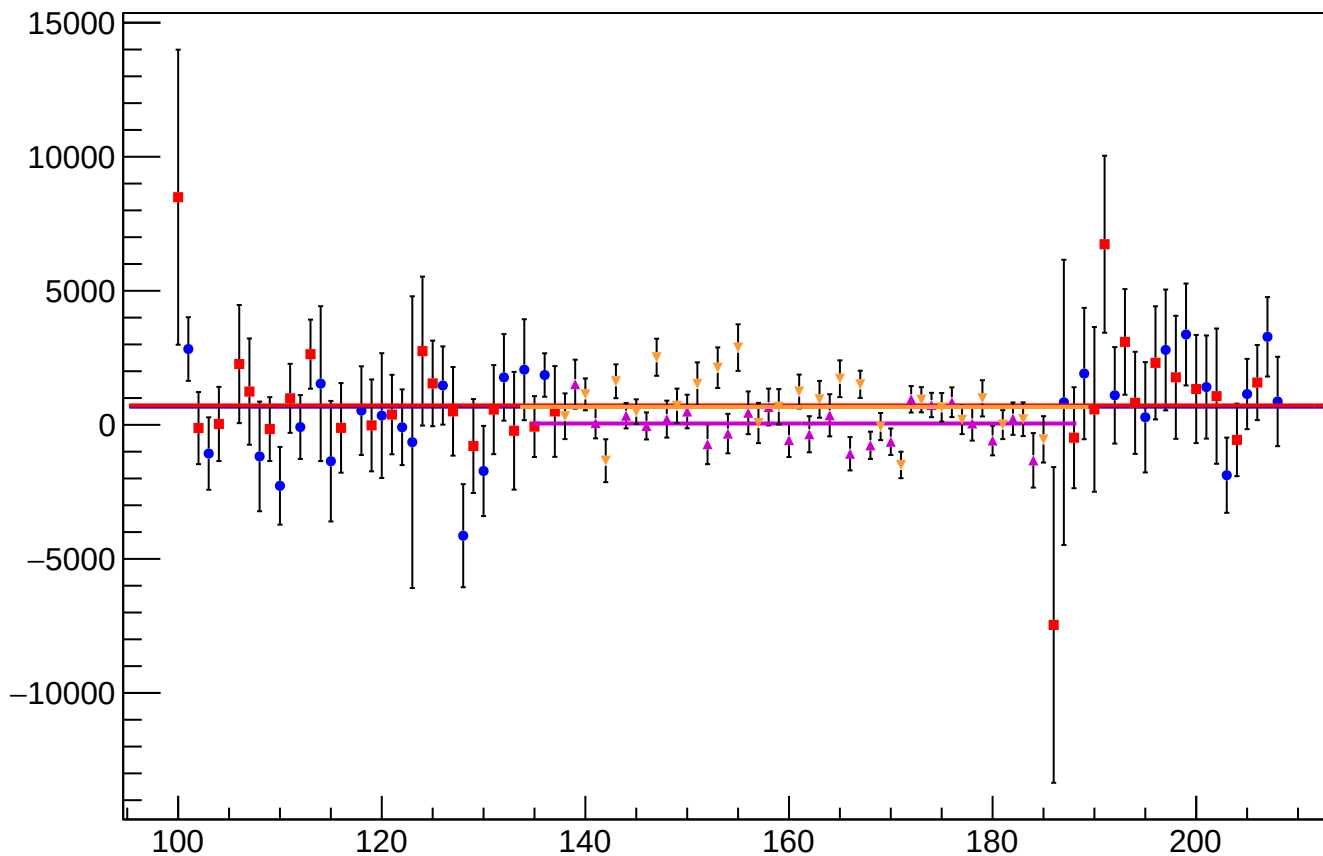
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 596.103 $\pm$ 0.080 χ^2 /NDF: 9878888.6/52

All: 597.865 $\pm$ 0.057 χ^2 /NDF: 20838499.1/10

- sign 599.699 $\pm$ 0.082 χ^2 /NDF: 10958623.7/53

asym_sam_12345678_avg_mean vs Slug



Right In: 678.852 $\pm$ 304.873 χ^2 /NDF: 33.3/27

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF:61.5/24

Right Out: 726.016 $\pm$ 309.238 χ^2 /NDF: 18.0/30

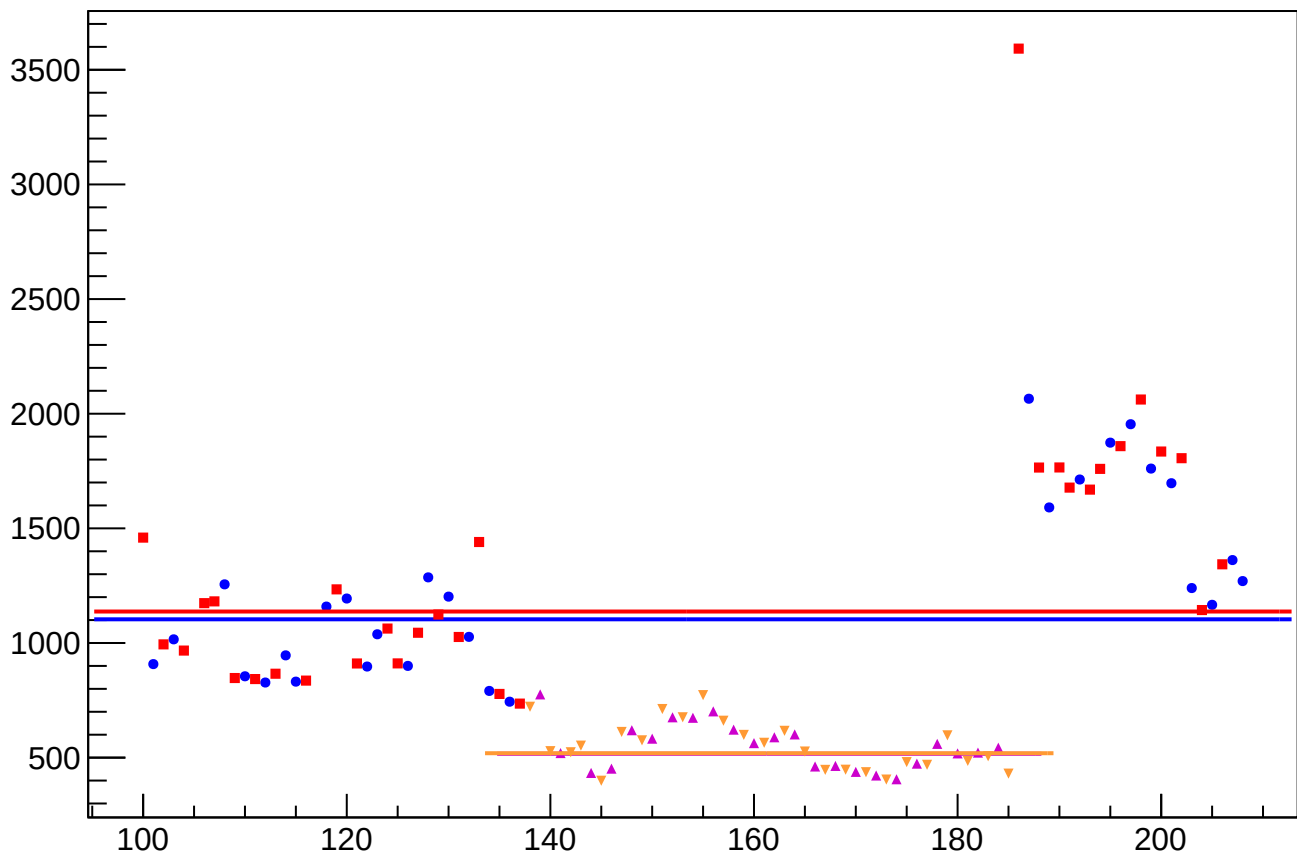
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF:26.1/22

+ sign 669.199 $\pm$ 114.183 χ^2 /NDF: 94.8/52

All: 412.955 $\pm$ 81.557 χ^2 /NDF: 153.3/106

- sign 146.063 $\pm$ 116.531 χ^2 /NDF: 48.2/53

asym_sam_12345678_avg_rms vs Slug



Right In: 1103.306 $\pm$ 0.216 χ^2 /NDF: 2313436.1/27

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF:1172411.1/24

Right Out: 1137.270 $\pm$ 0.219 χ^2 /NDF: 2947248.4/30

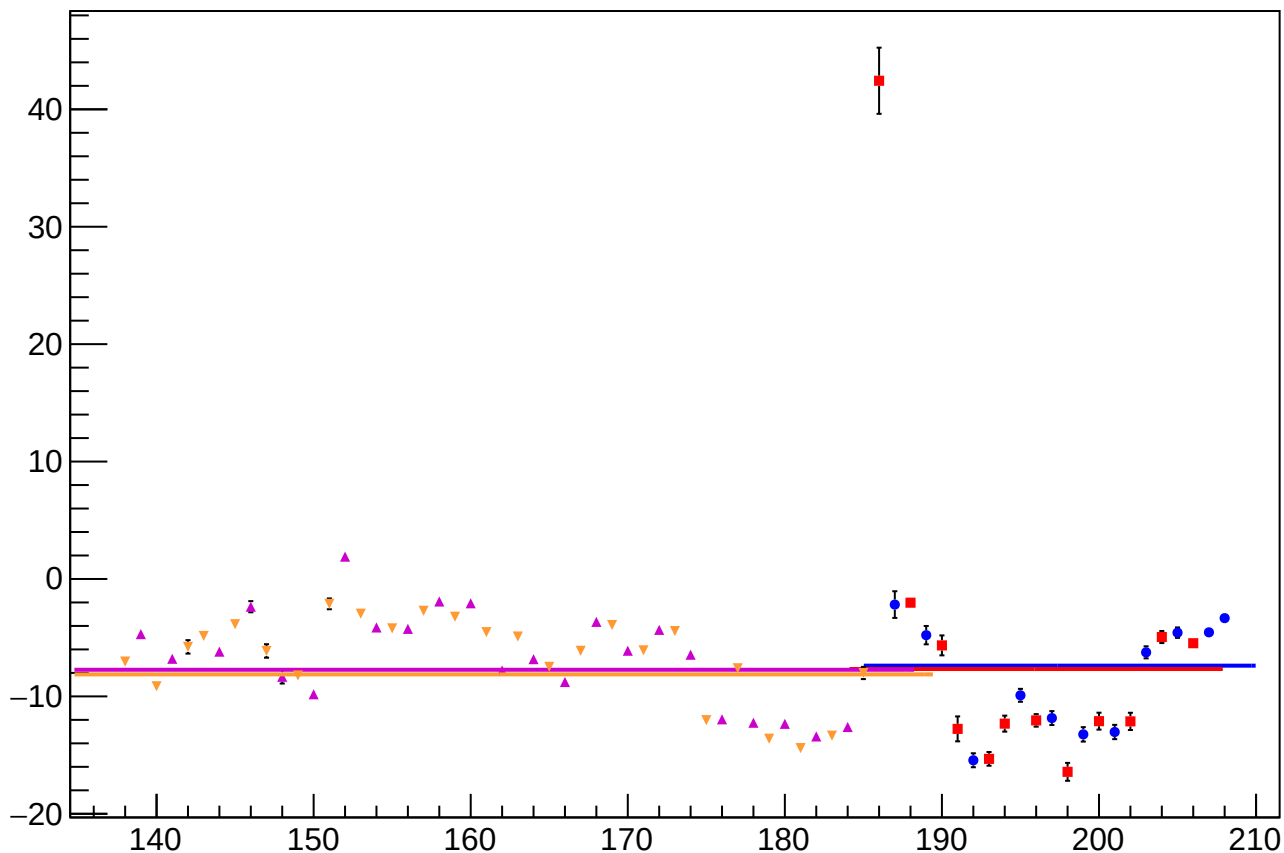
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF:1021374.1/22

+ sign 601.178 $\pm$ 0.081 χ^2 /NDF: 9796254.3/52

All: 603.002 $\pm$ 0.058 χ^2 /NDF: 20674412.3/10

- sign 604.901 $\pm$ 0.082 χ^2 /NDF: 10877116.6/53

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -7.383 ± 0.159 χ^2/NDF : 682.0/10

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -7.668 ± 0.167 χ^2/NDF : 1180.3/11

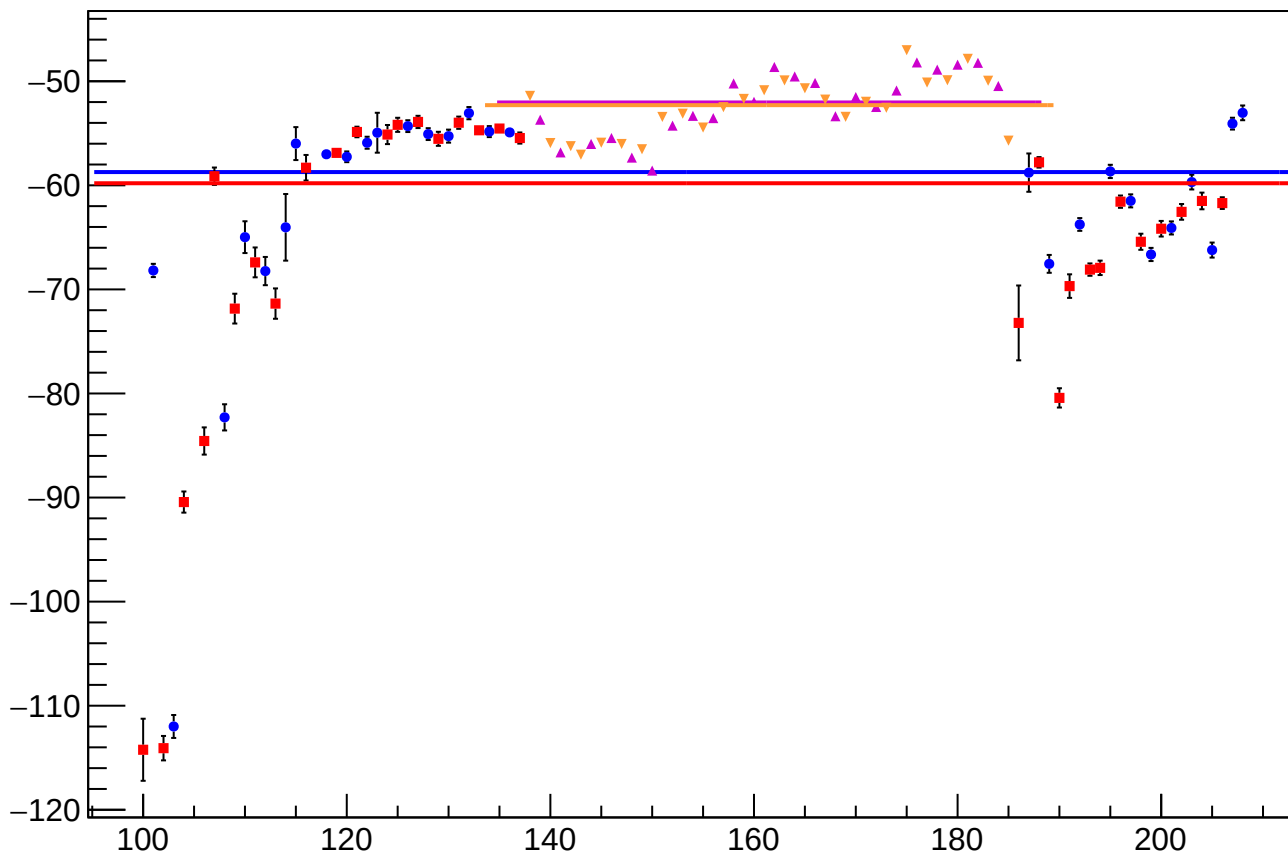
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -8.014 ± 0.062 χ^2/NDF : 4336.0/35

All: -7.872 ± 0.044 χ^2/NDF : 9246.2/70

- sign -7.723 ± 0.064 χ^2/NDF : 4899.4/34

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.725 ± 0.118 χ^2/NDF : 4186.0/27

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -59.800 ± 0.117 χ^2/NDF : 5969.5/30

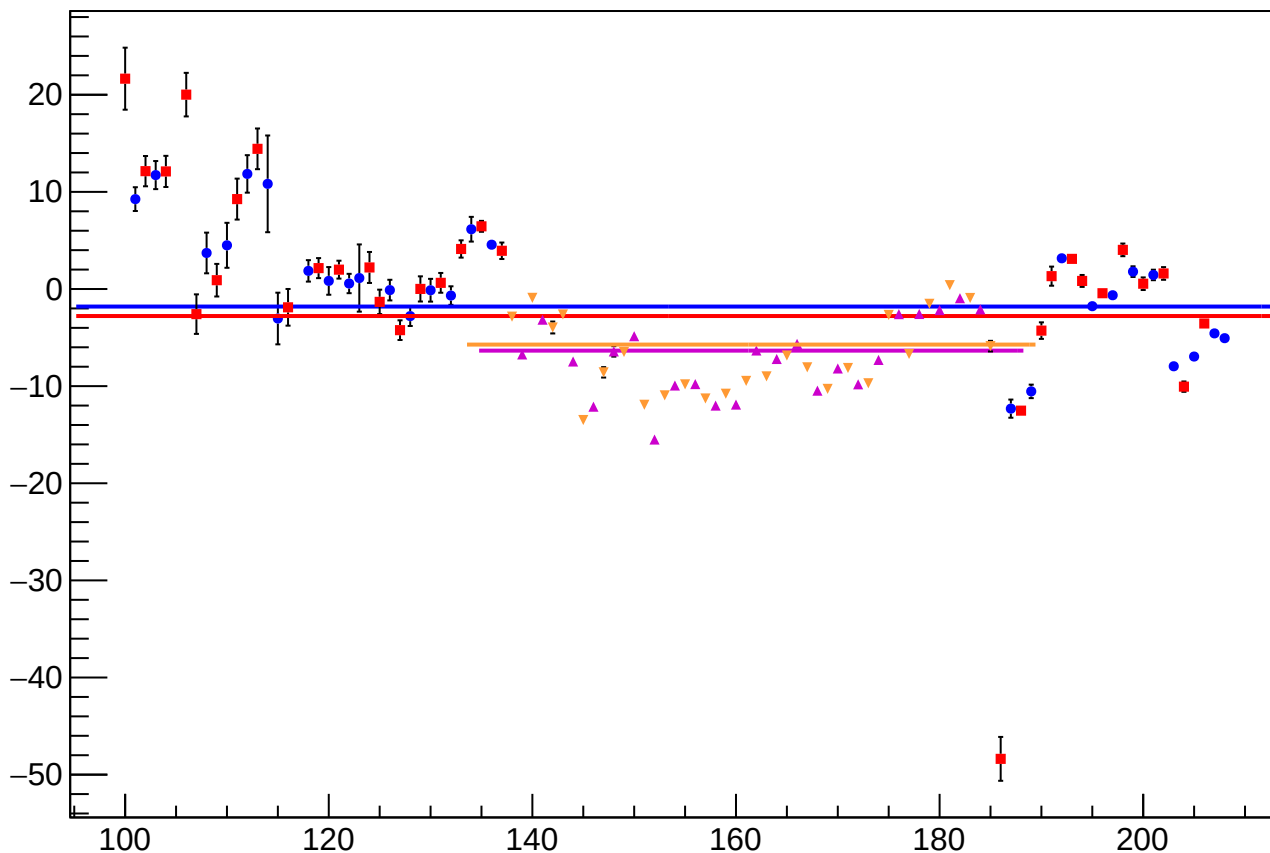
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.450 ± 0.050 χ^2/NDF : 9289.3/52

All: -53.486 ± 0.036 χ^2/NDF : 21970.8/106

- sign -53.524 ± 0.051 χ^2/NDF : 12680.4/53

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -1.806 ± 0.129 χ^2/NDF : 1416.3/27

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -2.782 ± 0.130 χ^2/NDF : 3188.3/30

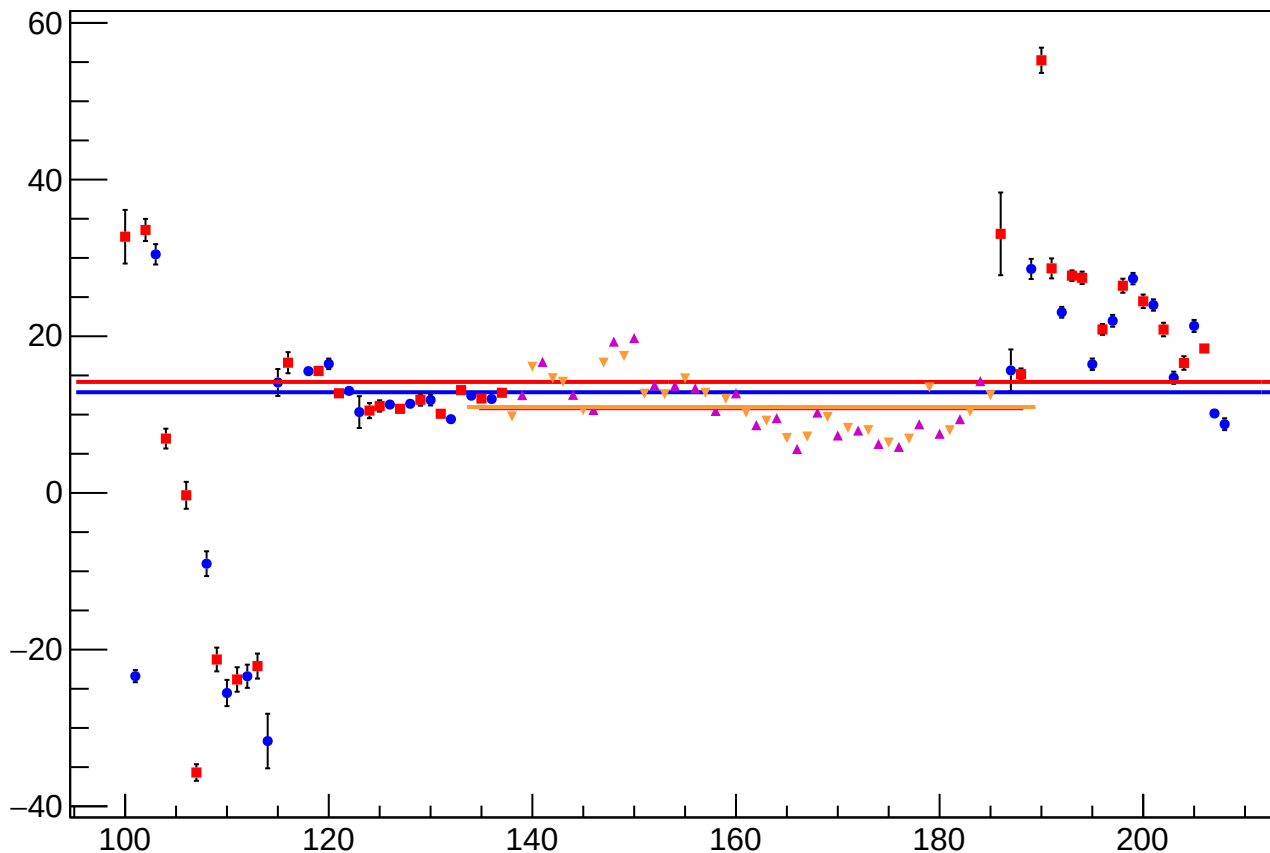
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.879 ± 0.060 χ^2/NDF : 6122.1/52

All: -5.217 ± 0.043 χ^2/NDF : 13348.3/106

- sign -5.565 ± 0.061 χ^2/NDF : 7161.6/53

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.856 ± 0.131 $\chi^2/\text{NDF}: 5306.5/27$

Left Out: 10.967 ± 0.061 $\chi^2/\text{NDF}: 2637.7/24$

Right Out: 14.170 ± 0.134 $\chi^2/\text{NDF}: 6399.3/30$

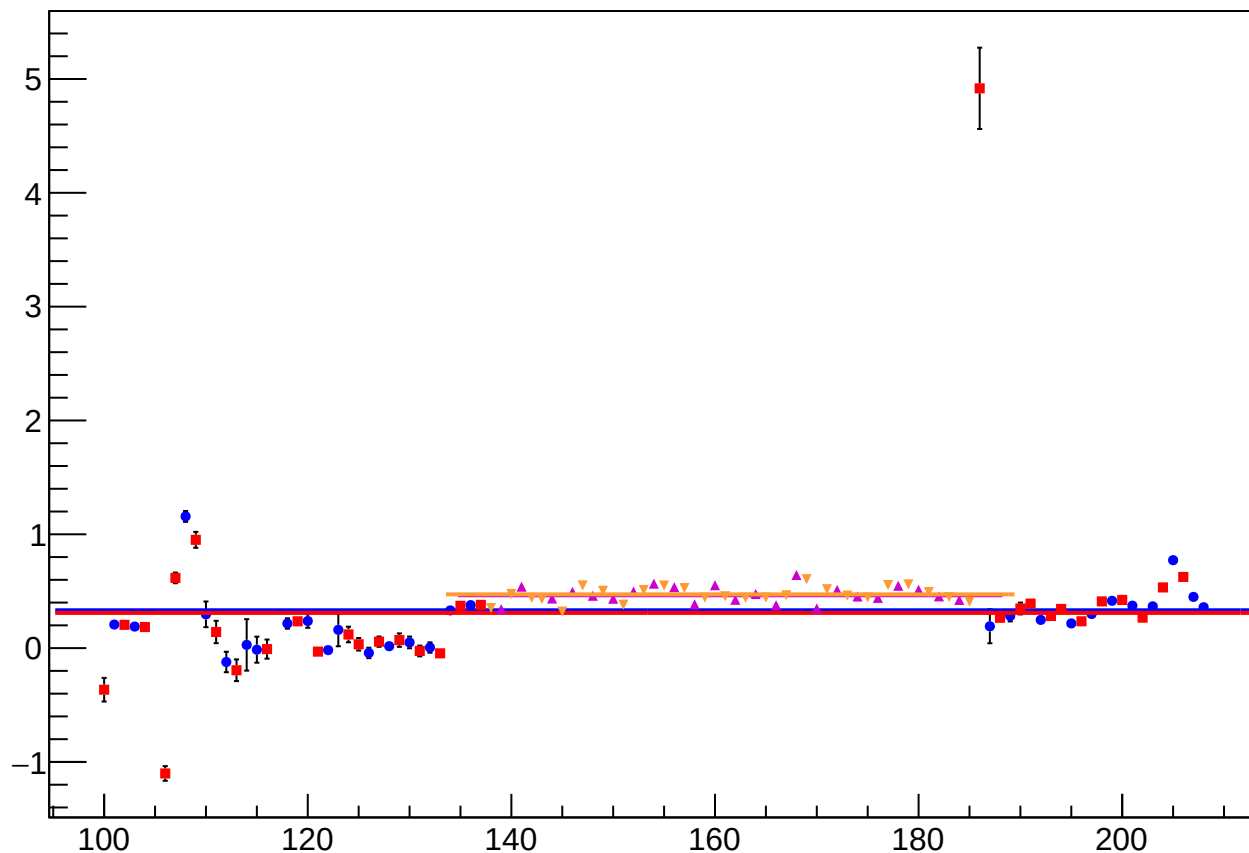
Left In: 10.813 ± 0.063 $\chi^2/\text{NDF}: 3546.8/22$

+ sign 11.306 ± 0.056 $\chi^2/\text{NDF}: 8113.8/52$

All: 11.363 ± 0.040 $\chi^2/\text{NDF}: 18576.7/106$

- sign 11.424 ± 0.057 $\chi^2/\text{NDF}: 10460.7/53$

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.332 ± 0.006 χ^2/NDF : 912.9/27

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.309 ± 0.006 χ^2/NDF : 1503.2/30

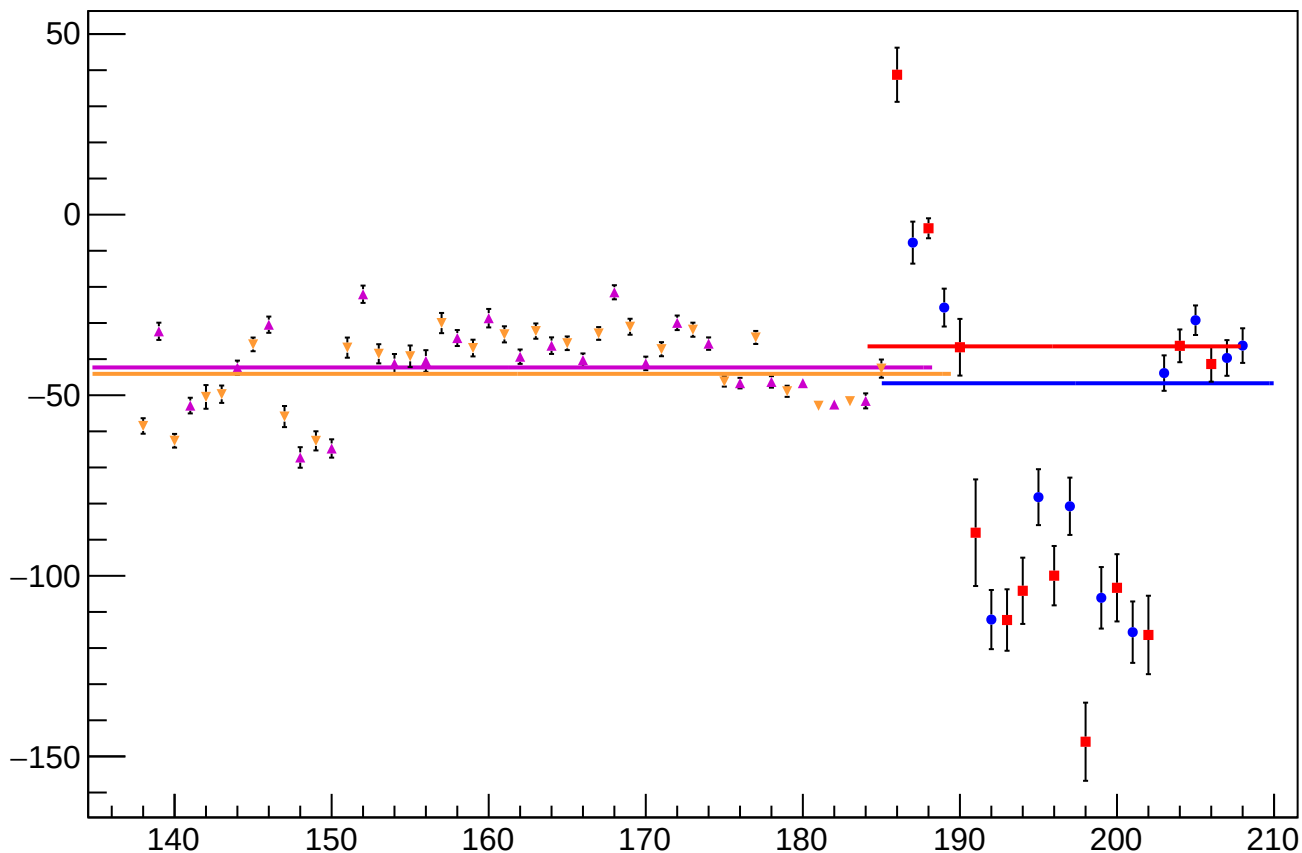
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.446 ± 0.002 χ^2/NDF : 1921.2/52

All: 0.441 ± 0.002 χ^2/NDF : 4743.0/106

- sign 0.435 ± 0.003 χ^2/NDF : 2813.6/53

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -46.686 $\pm$ 1.749 χ^2/NDF : 299.2/10

Left Out: -44.077 $\pm$ 0.389 χ^2/NDF : 632.6/24

Right Out: -36.469 $\pm$ 1.744 χ^2/NDF : 655.0/11

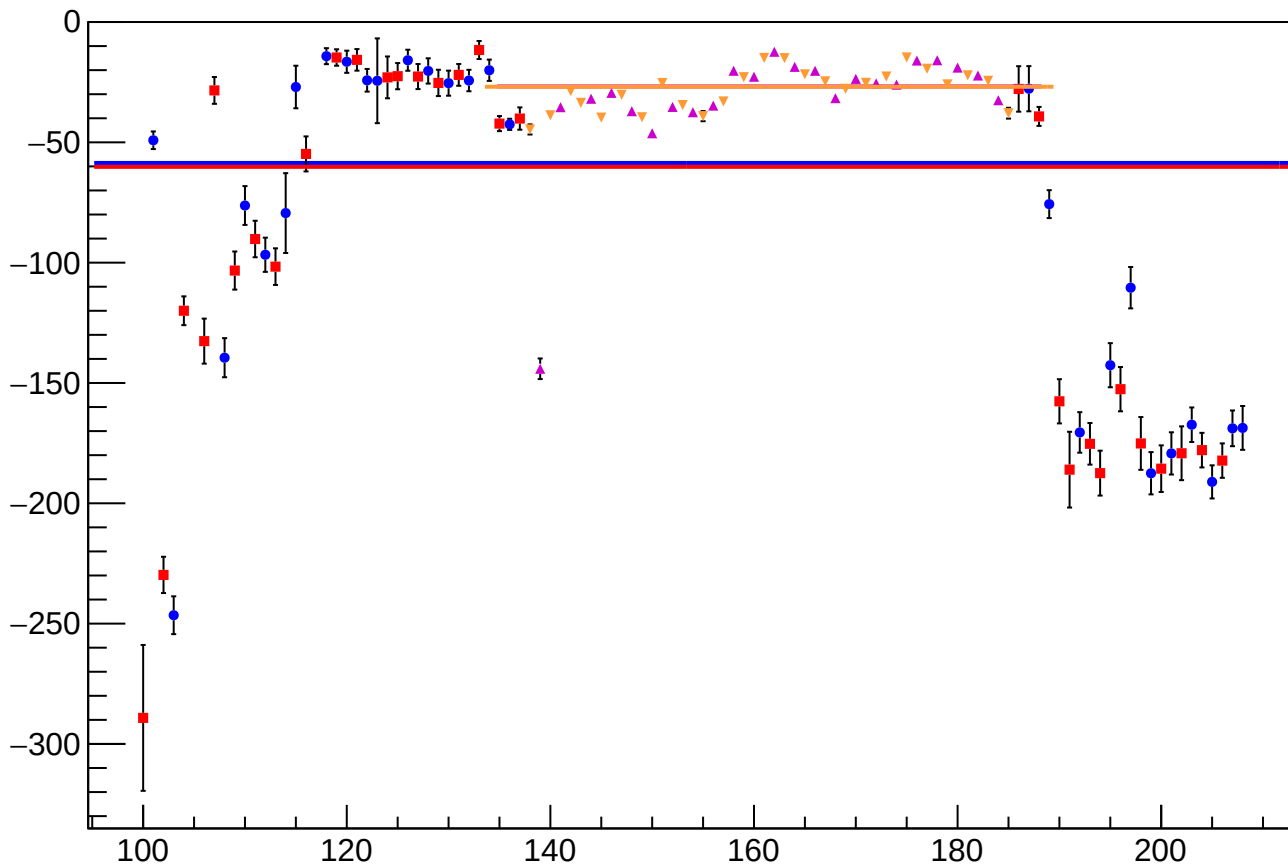
Left In: -42.304 $\pm$ 0.399 χ^2/NDF : 640.6/22

+ sign -44.200 $\pm$ 0.379 χ^2/NDF : 933.9/35

All: -43.134 $\pm$ 0.272 χ^2/NDF : 2256.4/70

- sign -42.013 $\pm$ 0.389 χ^2/NDF : 1306.3/34

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -58.568 ± 1.035 $\chi^2/\text{NDF}: 3104.8/27$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -60.183 ± 1.069 $\chi^2/\text{NDF}: 3187.4/30$

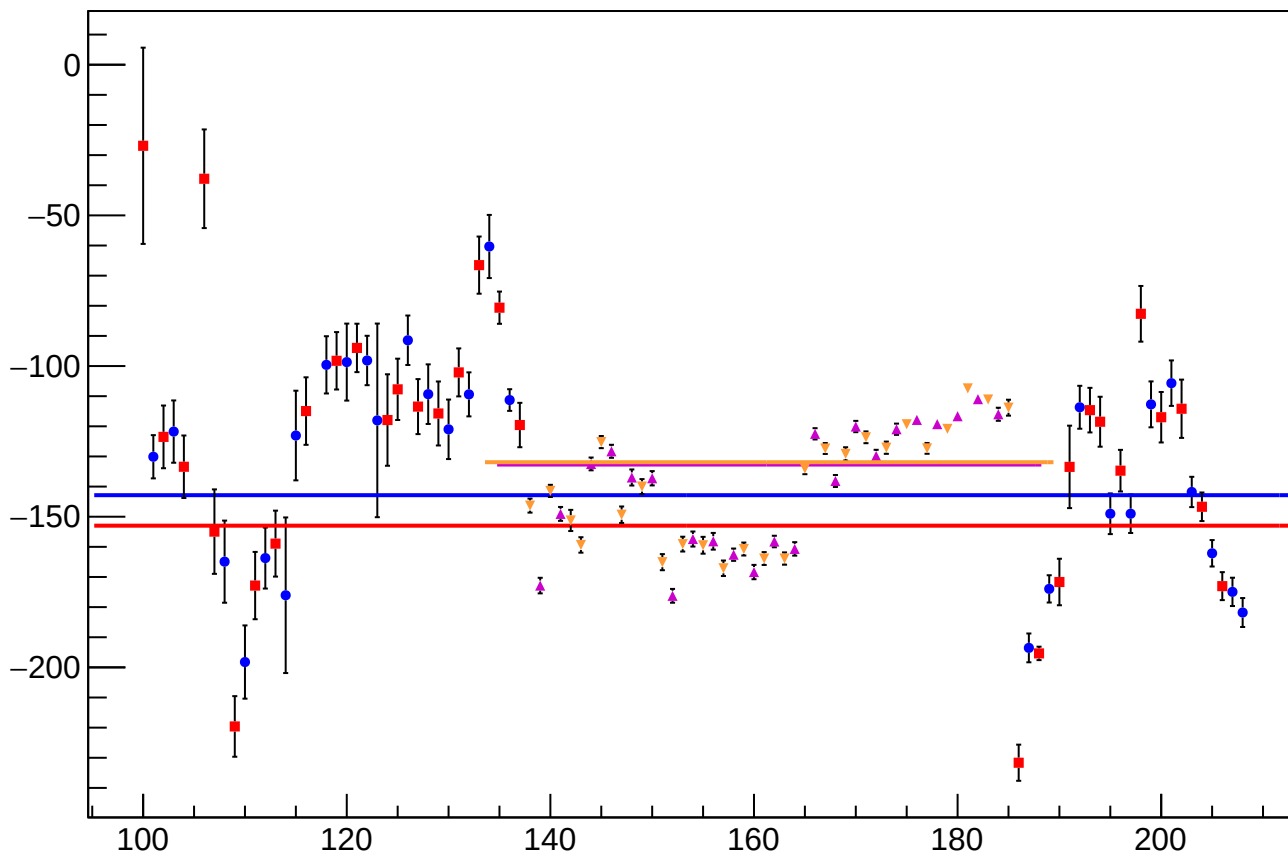
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -29.607 ± 0.302 $\chi^2/\text{NDF}: 4592.2/52$

All: -29.614 ± 0.217 $\chi^2/\text{NDF}: 10067.5/106$

- sign -29.621 ± 0.312 $\chi^2/\text{NDF}: 5475.3/53$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -142.854 ± 1.287 χ^2/NDF : 667.0/27

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -152.972 ± 1.253 χ^2/NDF : 1311.1/30

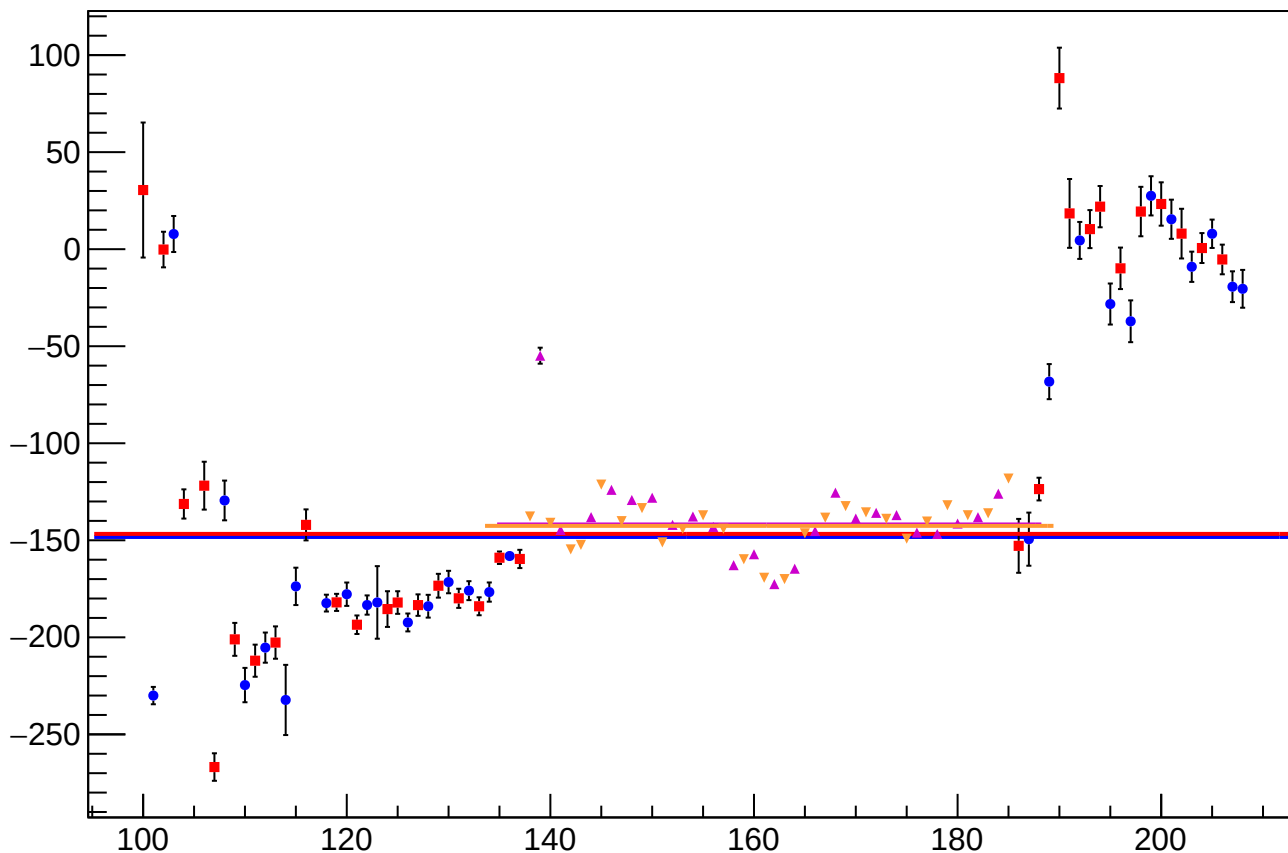
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -132.839 ± 0.375 χ^2/NDF : 3172.5/52

All: -133.686 ± 0.267 χ^2/NDF : 7212.0/106

- sign -134.560 ± 0.381 χ^2/NDF : 4029.1/53

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -148.278 ± 1.163 χ^2/NDF : 3493.0/27

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -146.706 ± 1.226 χ^2/NDF : 3390.3/30

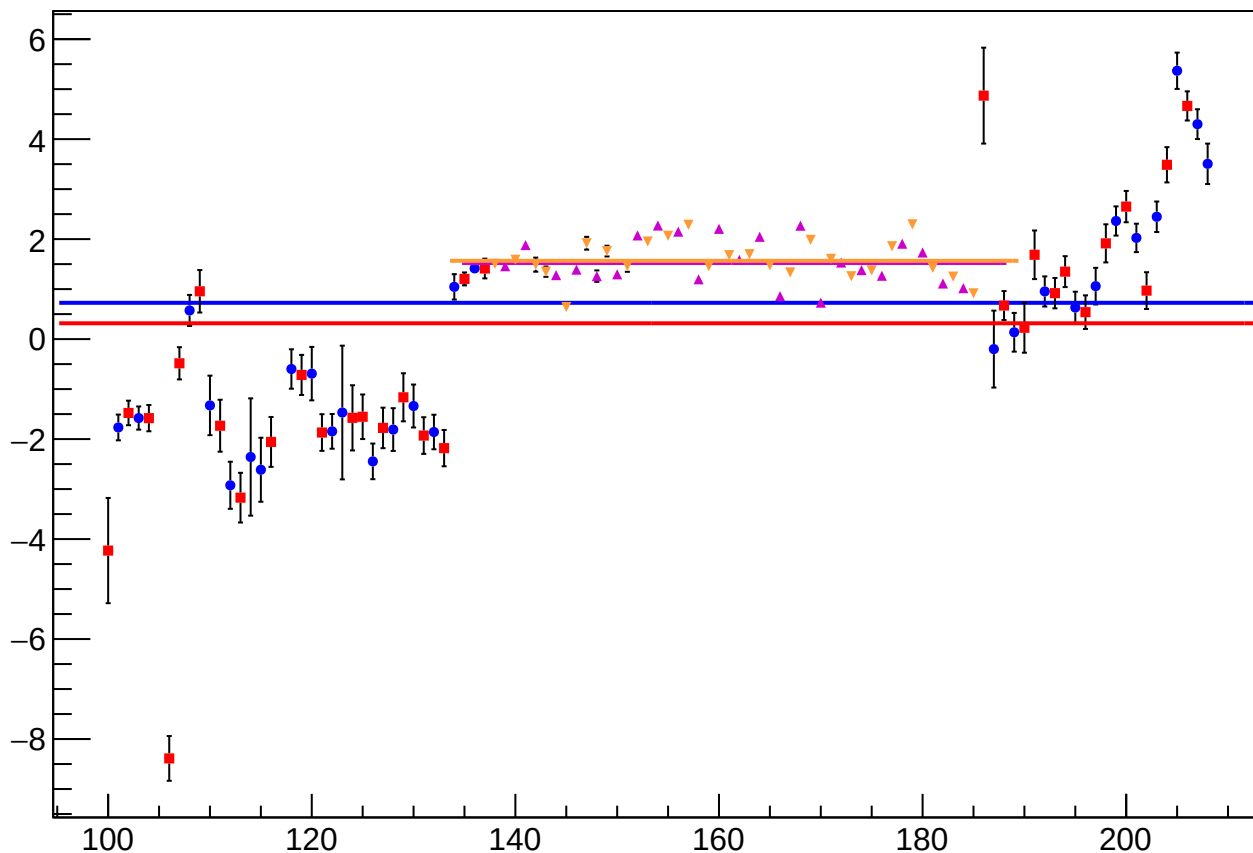
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -143.048 ± 0.339 χ^2/NDF : 4662.8/52

All: -142.660 ± 0.243 χ^2/NDF : 9614.4/106

- sign -142.249 ± 0.349 χ^2/NDF : 4948.9/53

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.726 ± 0.056 $\chi^2/\text{NDF}: 1063.3/27$

Left Out: 1.566 ± 0.016 $\chi^2/\text{NDF}: 542.8/24$

Right Out: 0.317 ± 0.059 $\chi^2/\text{NDF}: 1292.5/30$

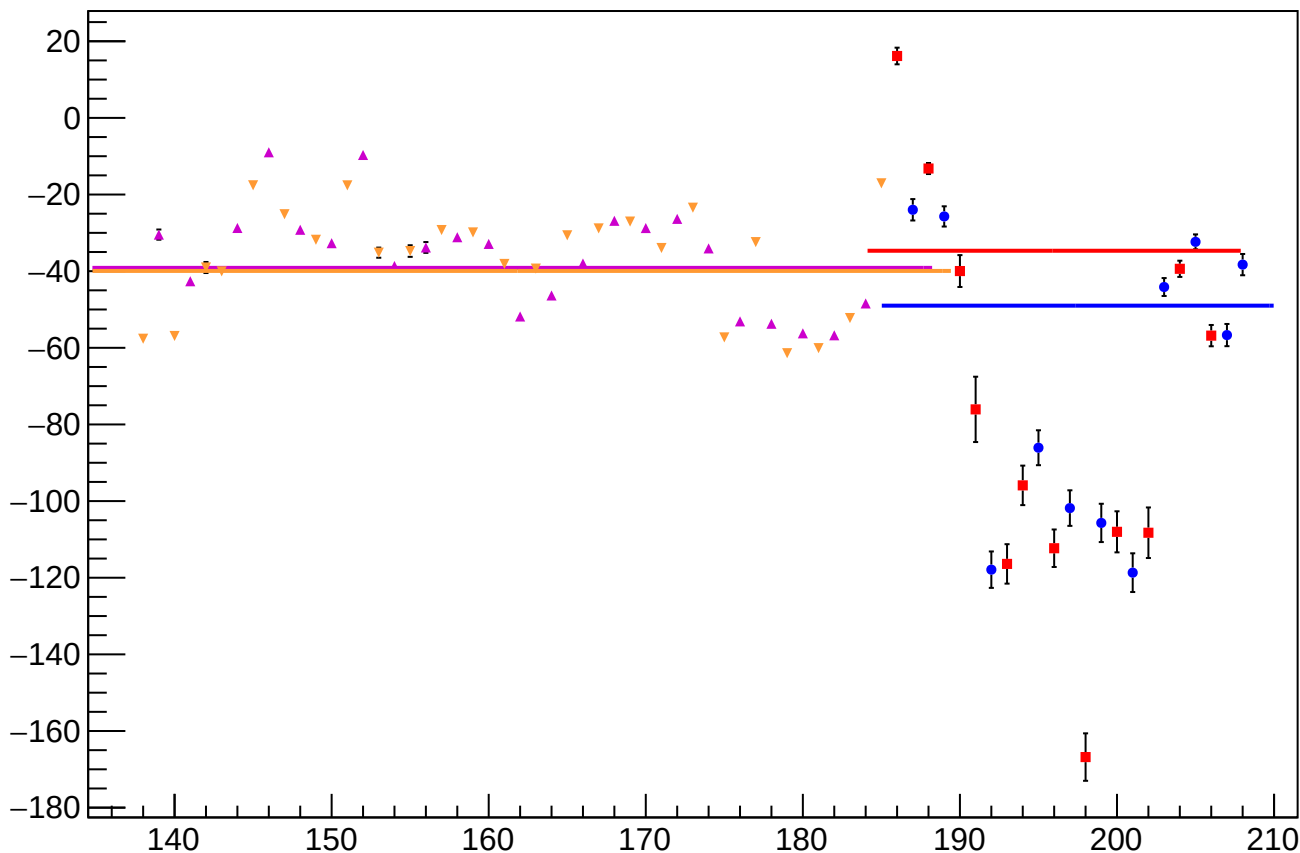
Left In: 1.523 ± 0.017 $\chi^2/\text{NDF}: 738.5/22$

+ sign 1.502 ± 0.016 $\chi^2/\text{NDF}: 1813.4/52$

All: 1.469 ± 0.011 $\chi^2/\text{NDF}: 4247.1/106$

- sign 1.434 ± 0.016 $\chi^2/\text{NDF}: 2424.5/53$

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -48.998 ± 0.919 χ^2/NDF : 981.9/10

Left Out: -39.935 ± 0.153 χ^2/NDF : 9806.5/24

Right Out: -34.669 ± 0.870 χ^2/NDF : 2275.6/11

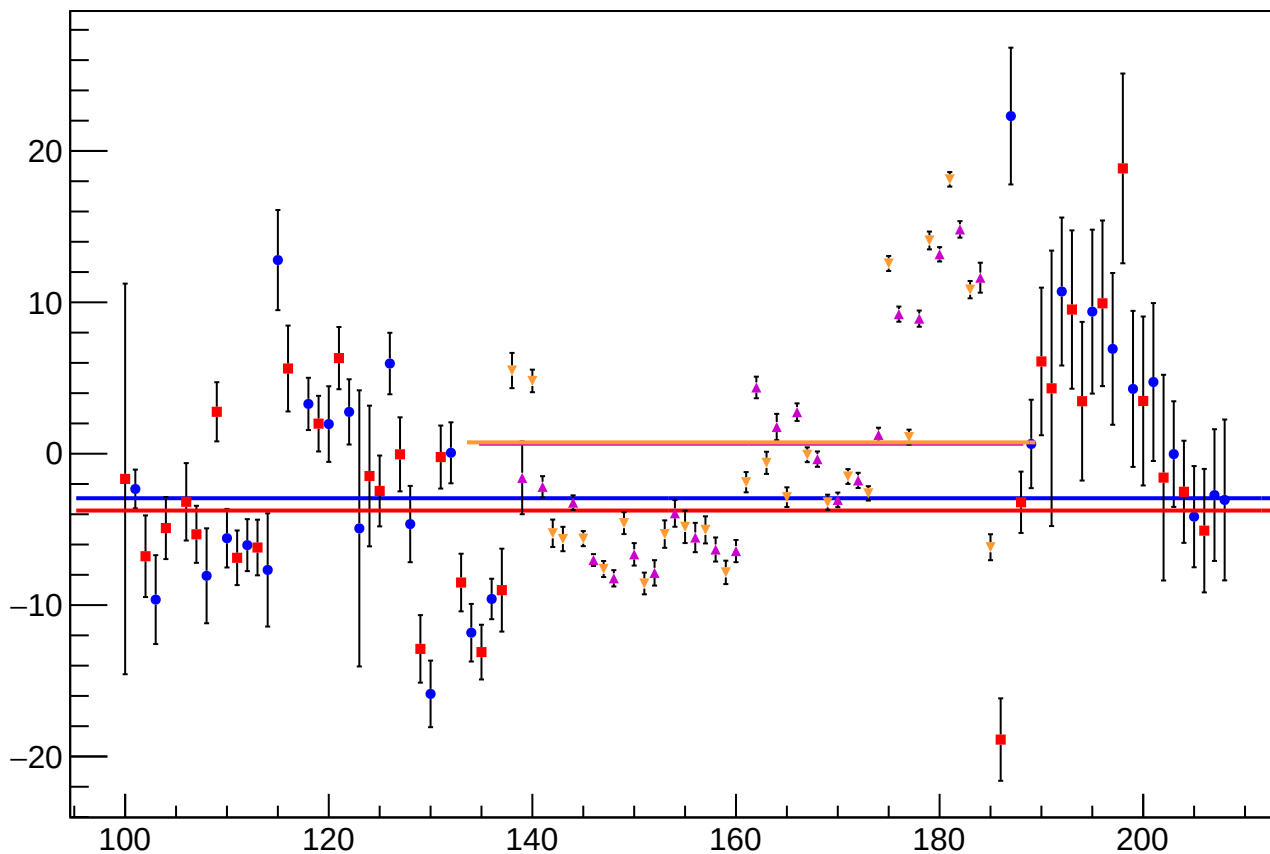
Left In: -39.137 ± 0.155 χ^2/NDF : 8534.5/22

+ sign -40.180 ± 0.151 χ^2/NDF : 10883.1/35

All: -39.595 ± 0.107 χ^2/NDF : 21748.9/70

- sign -39.000 ± 0.152 χ^2/NDF : 10835.6/34

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -2.941 ± 0.465 $\chi^2/\text{NDF}: 219.0/27$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.754 ± 0.464 $\chi^2/\text{NDF}: 187.6/30$

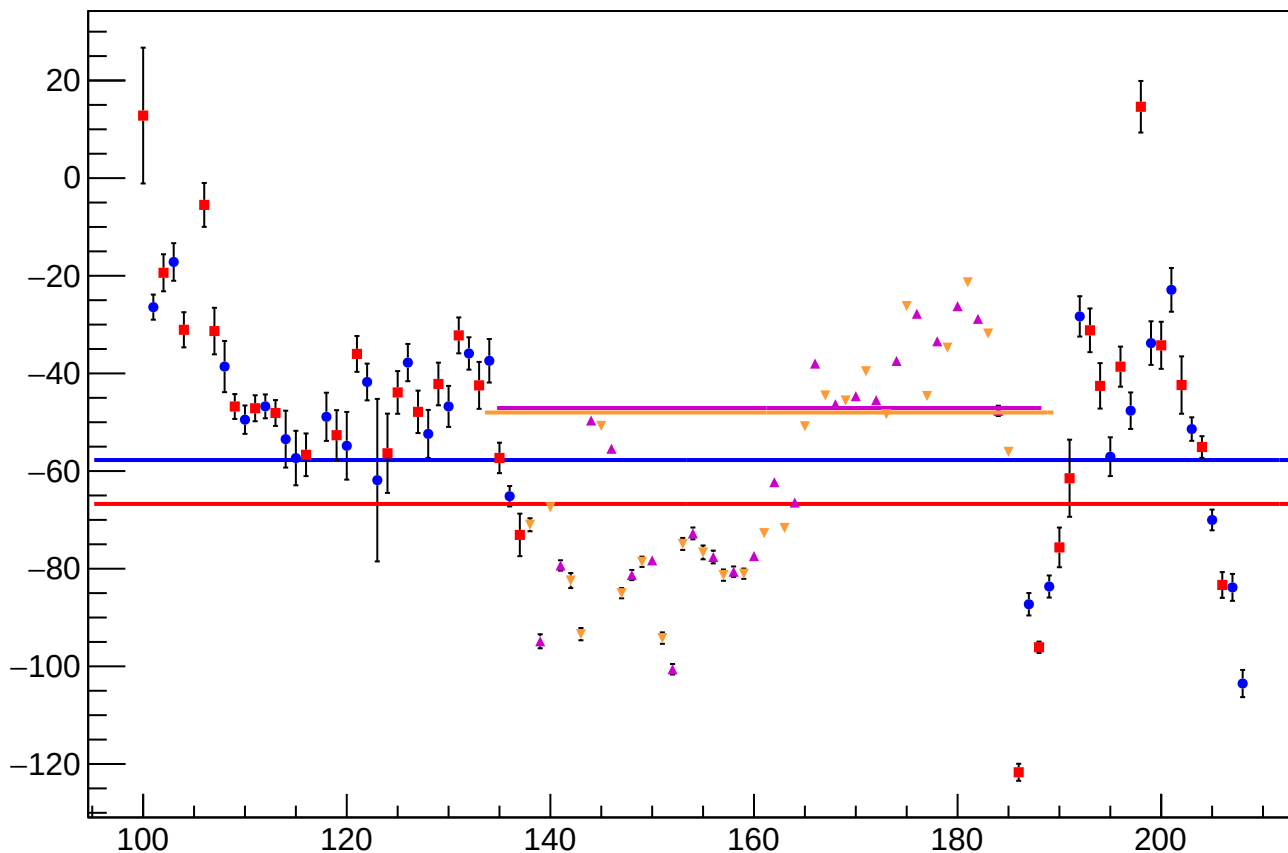
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.503 ± 0.120 $\chi^2/\text{NDF}: 4248.7/52$

All: 0.434 ± 0.085 $\chi^2/\text{NDF}: 7859.3/106$

- sign 0.364 ± 0.120 $\chi^2/\text{NDF}: 3609.9/53$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -57.739 ± 0.619 $\chi^2/\text{NDF}: 1279.0/27$

Left Out: -48.008 ± 0.155 $\chi^2/\text{NDF}: 16950.0/24$

Right Out: -66.736 ± 0.572 $\chi^2/\text{NDF}: 3122.0/30$

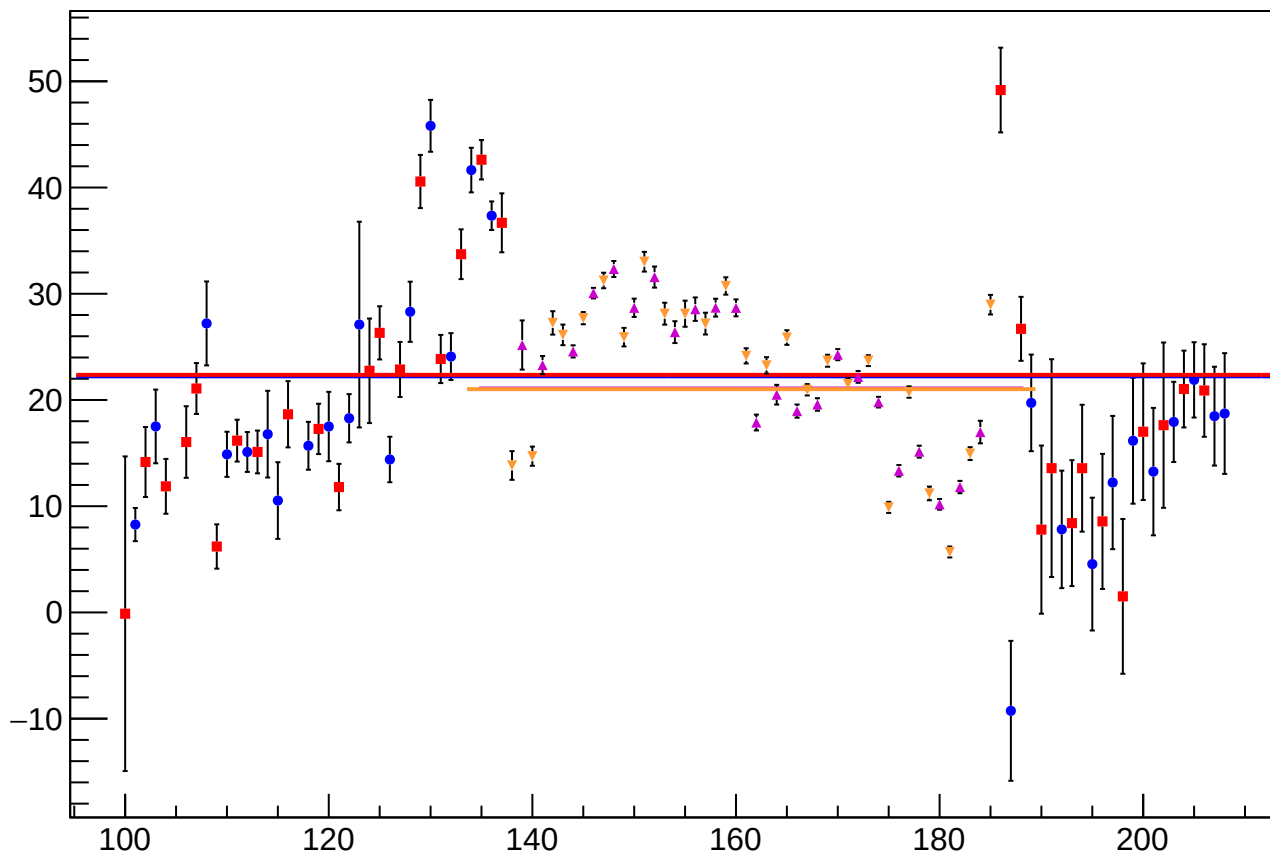
Left In: -47.085 ± 0.155 $\chi^2/\text{NDF}: 15515.2/22$

+ sign -48.579 ± 0.150 $\chi^2/\text{NDF}: 18461.5/52$

All: -48.506 ± 0.106 $\chi^2/\text{NDF}: 38197.1/106$

- sign -48.433 ± 0.150 $\chi^2/\text{NDF}: 19735.1/53$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.227 ± 0.525 $\chi^2/\text{NDF}: 506.0/27$

Left Out: 21.020 ± 0.139 $\chi^2/\text{NDF}: 2799.3/24$

Right Out: 22.364 ± 0.534 $\chi^2/\text{NDF}: 439.6/30$

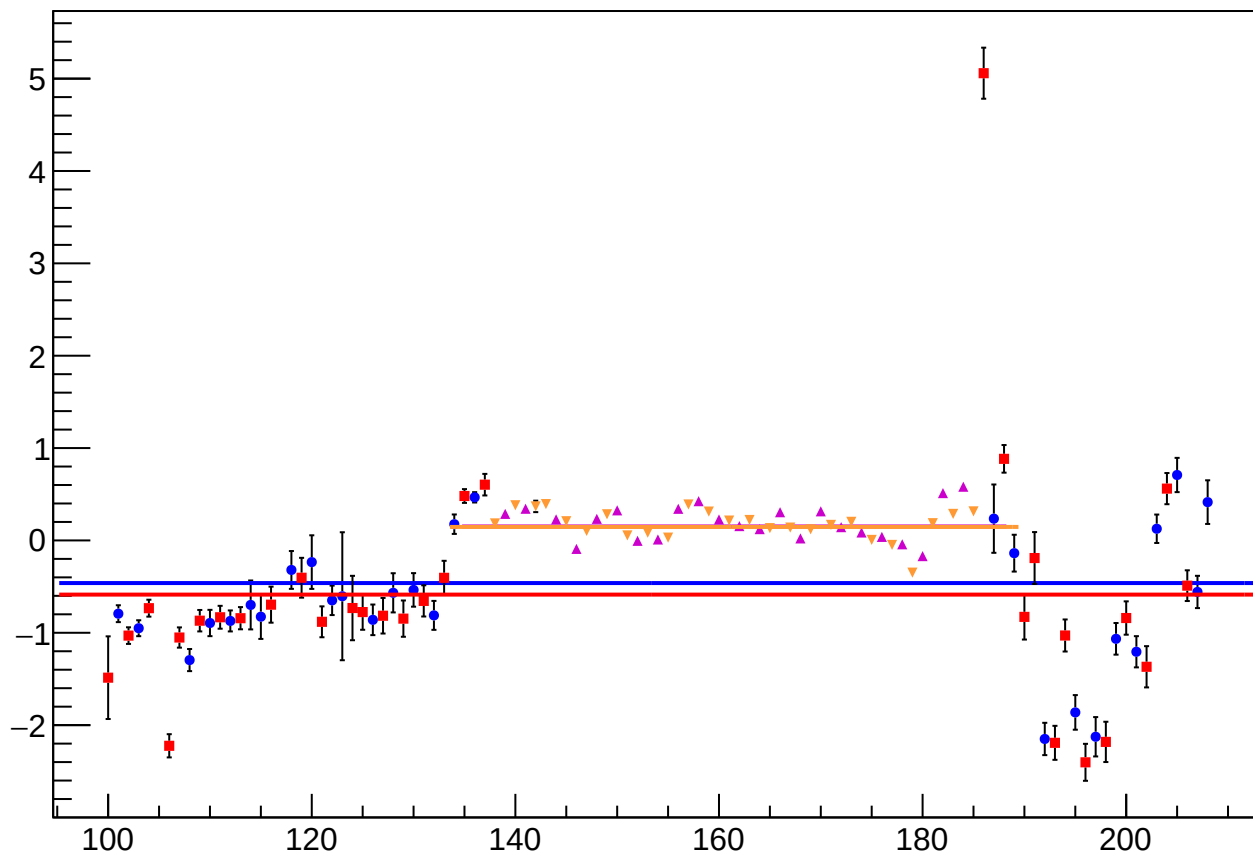
Left In: 21.079 ± 0.140 $\chi^2/\text{NDF}: 2173.2/22$

+ sign 21.099 ± 0.134 $\chi^2/\text{NDF}: 3310.2/52$

All: 21.130 ± 0.095 $\chi^2/\text{NDF}: 5928.6/106$

- sign 21.161 ± 0.135 $\chi^2/\text{NDF}: 2618.3/53$

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.462 ± 0.027 $\chi^2/\text{NDF}: 762.1/27$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.587 ± 0.027 $\chi^2/\text{NDF}: 1347.4/30$

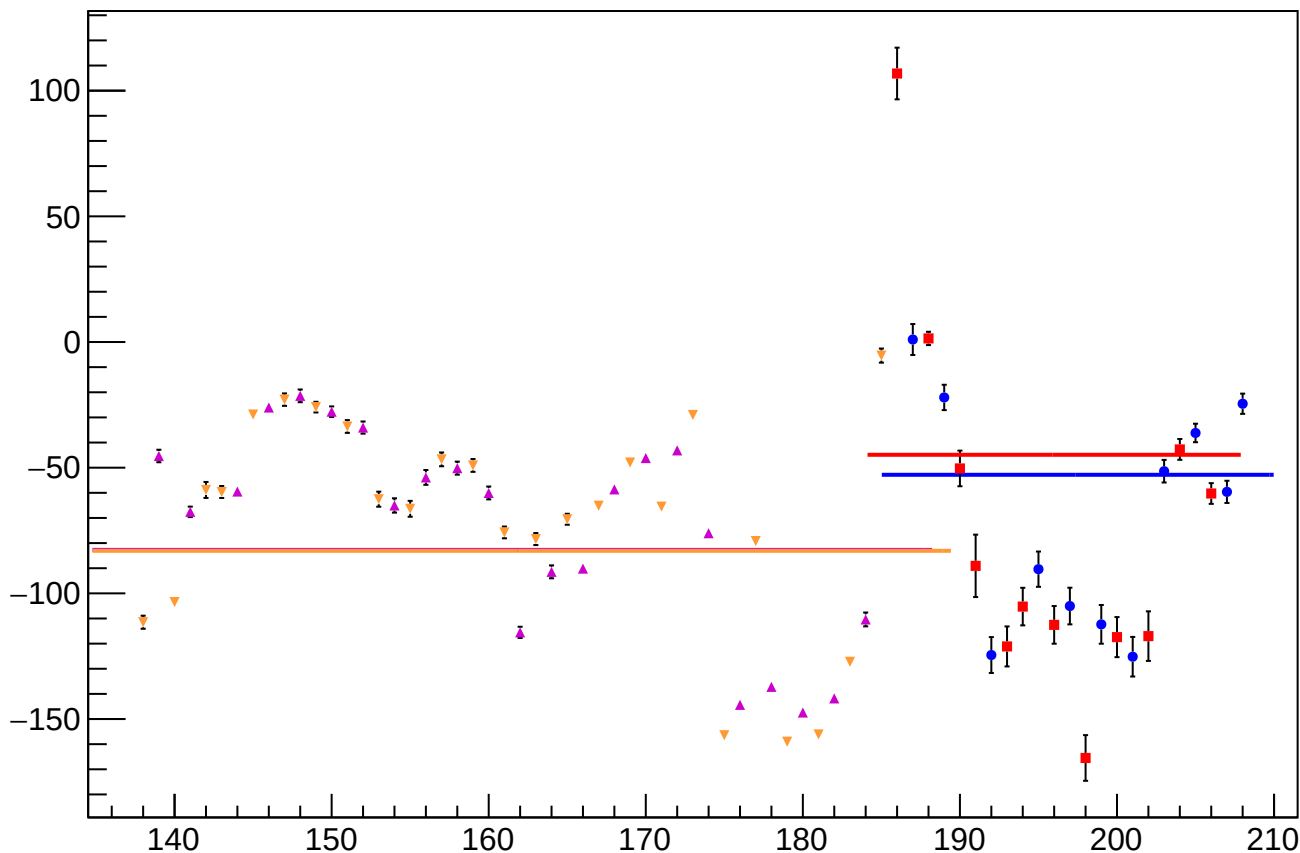
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.114 ± 0.006 $\chi^2/\text{NDF}: 1864.1/52$

All: 0.112 ± 0.004 $\chi^2/\text{NDF}: 4807.1/106$

- sign 0.111 ± 0.006 $\chi^2/\text{NDF}: 2942.9/53$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -52.827 ± 1.594 χ^2/NDF : 510.7/10

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -44.868 ± 1.612 χ^2/NDF : 1100.9/11

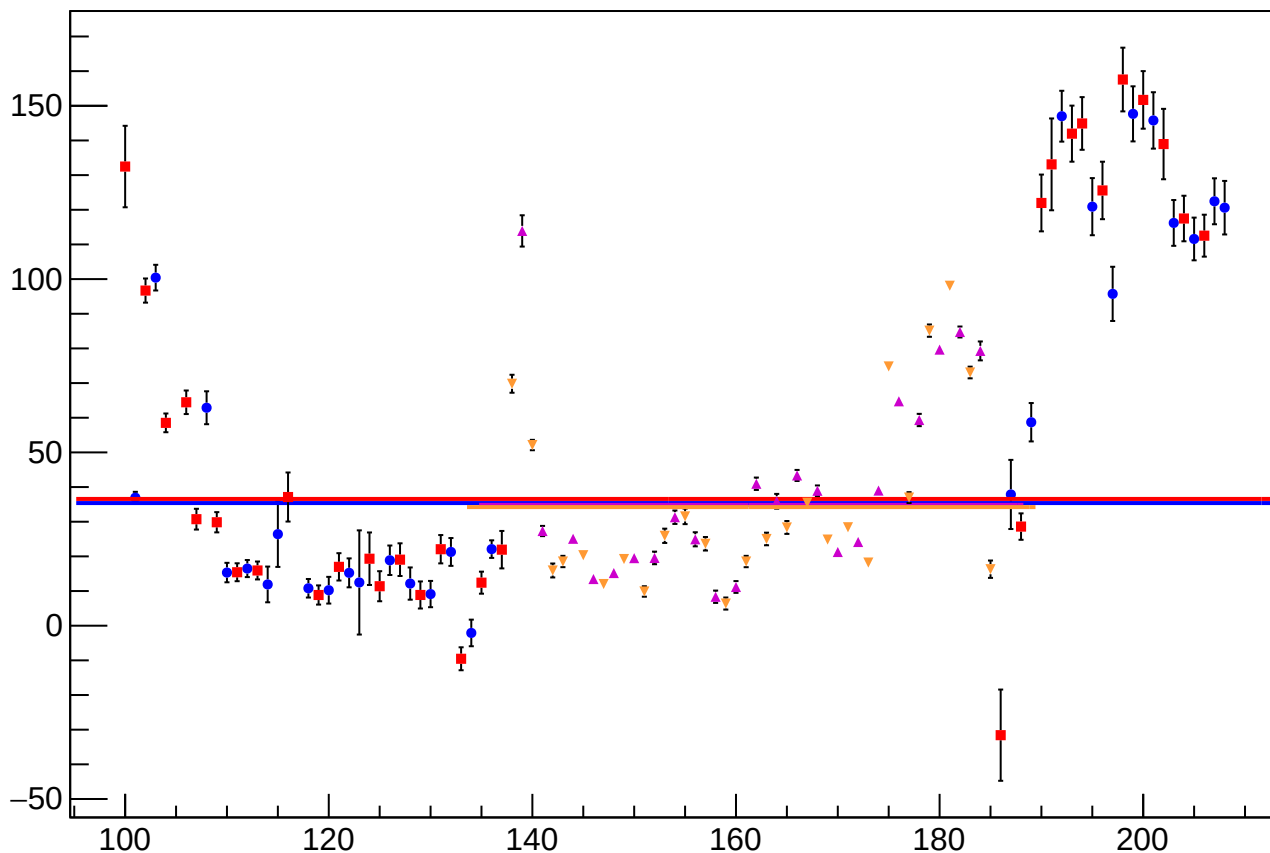
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -81.223 ± 0.394 χ^2/NDF : 14666.0/35

All: -80.799 ± 0.281 χ^2/NDF : 27127.2/70

- sign -80.358 ± 0.402 χ^2/NDF : 12458.9/34

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 35.381 $\pm$ 0.757 χ^2 /NDF: 2247.2/27

Left Out: 34.219 $\pm$ 0.320 χ^2 /NDF:6192.6/24

Right Out: 36.576 $\pm$ 0.756 χ^2 /NDF: 2594.4/30

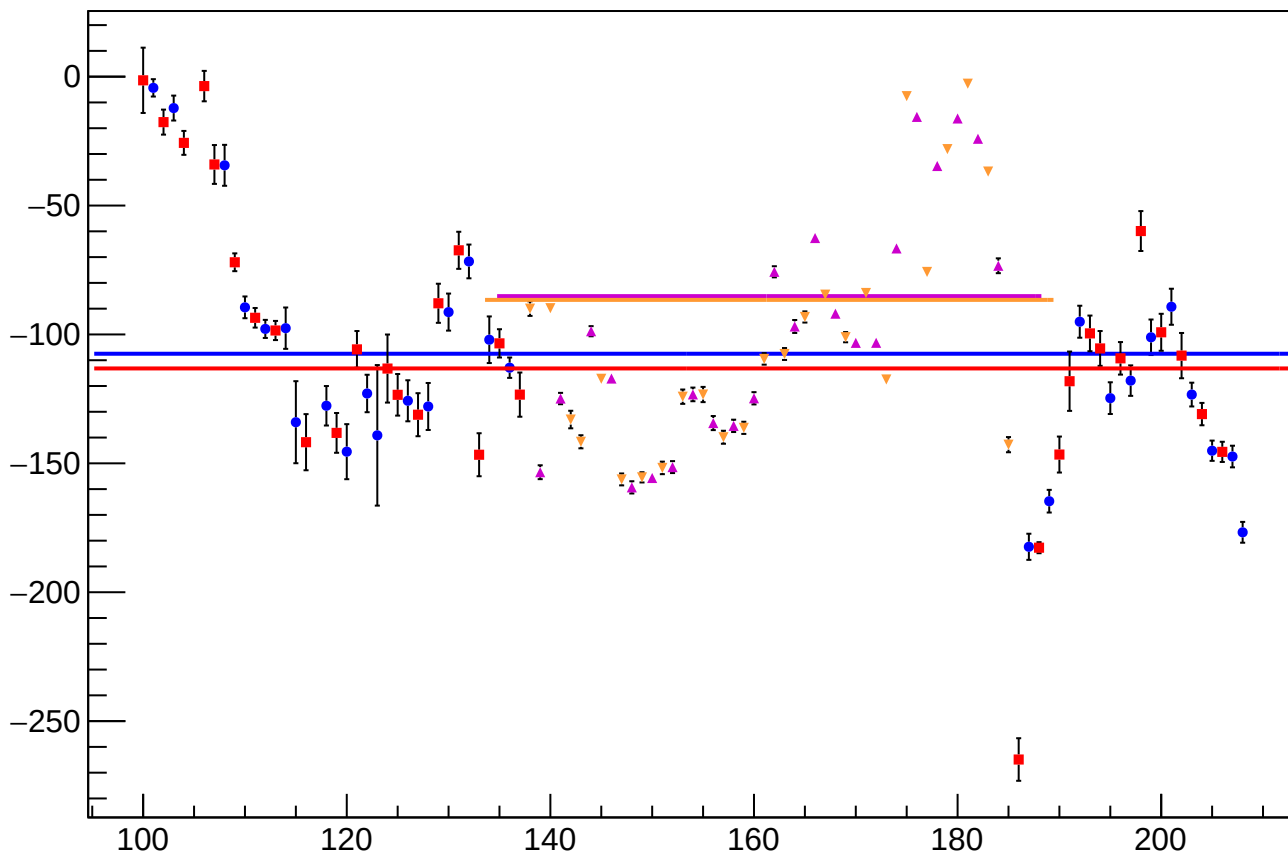
Left In: 34.870 $\pm$ 0.329 χ^2 /NDF:4716.1/22

+ sign 34.395 $\pm$ 0.295 χ^2 /NDF: 8441.8/52

All: 34.760 $\pm$ 0.211 χ^2 /NDF: 15759.7/106

- sign 35.142 $\pm$ 0.302 χ^2 /NDF: 7314.9/53

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -107.485 ± 1.031 χ^2/NDF : 2412.0/27

Left Out: -86.595 ± 0.408 χ^2/NDF : 14515.7/24

Right Out: -113.190 ± 0.980 χ^2/NDF : 3113.1/30

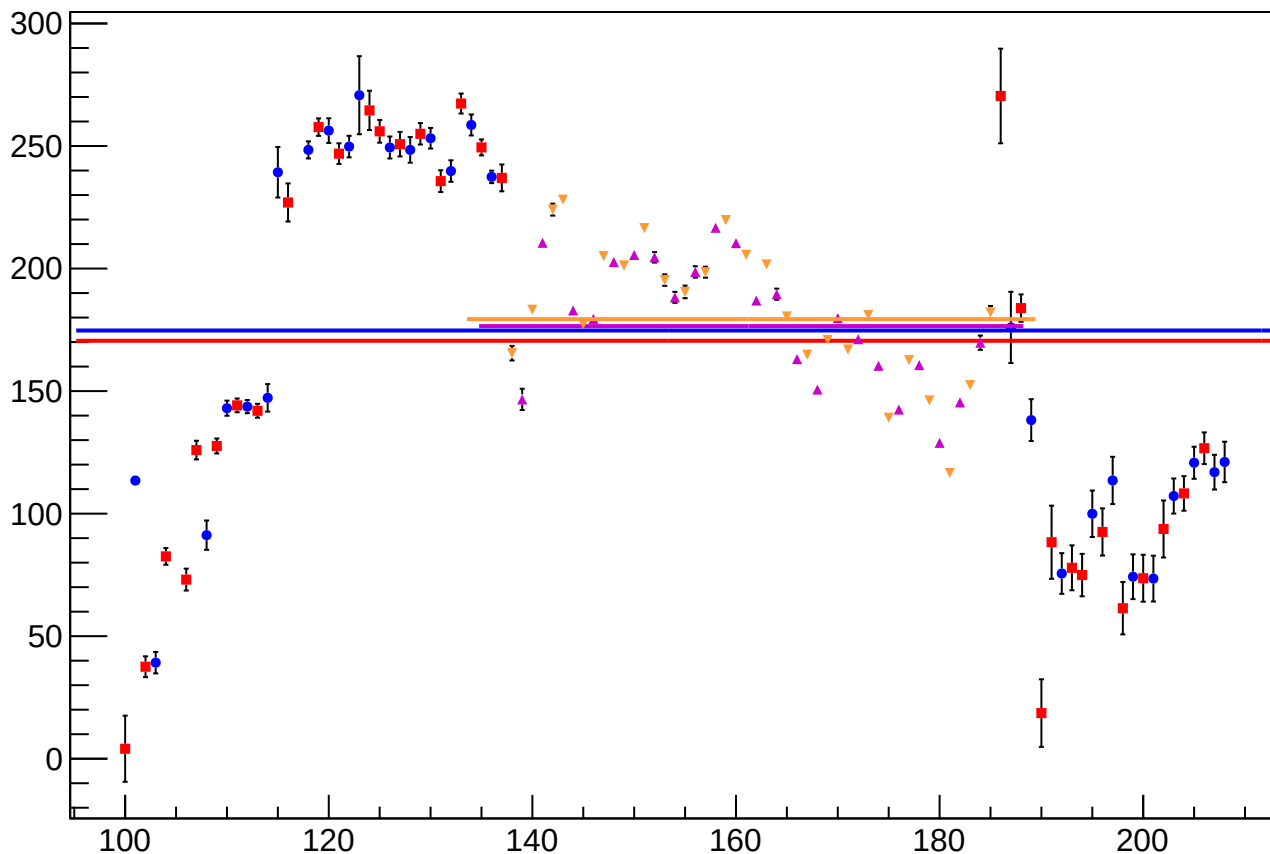
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -89.427 ± 0.380 χ^2/NDF : 17282.2/52

All: -89.413 ± 0.269 χ^2/NDF : 33931.4/106

- sign -89.400 ± 0.382 χ^2/NDF : 16649.2/53

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 174.726 ± 0.865 $\chi^2/\text{NDF}: 6175.4/27$

Left Out: 179.359 ± 0.362 $\chi^2/\text{NDF}: 5982.2/24$

Right Out: 170.529 ± 0.870 $\chi^2/\text{NDF}: 7247.7/30$

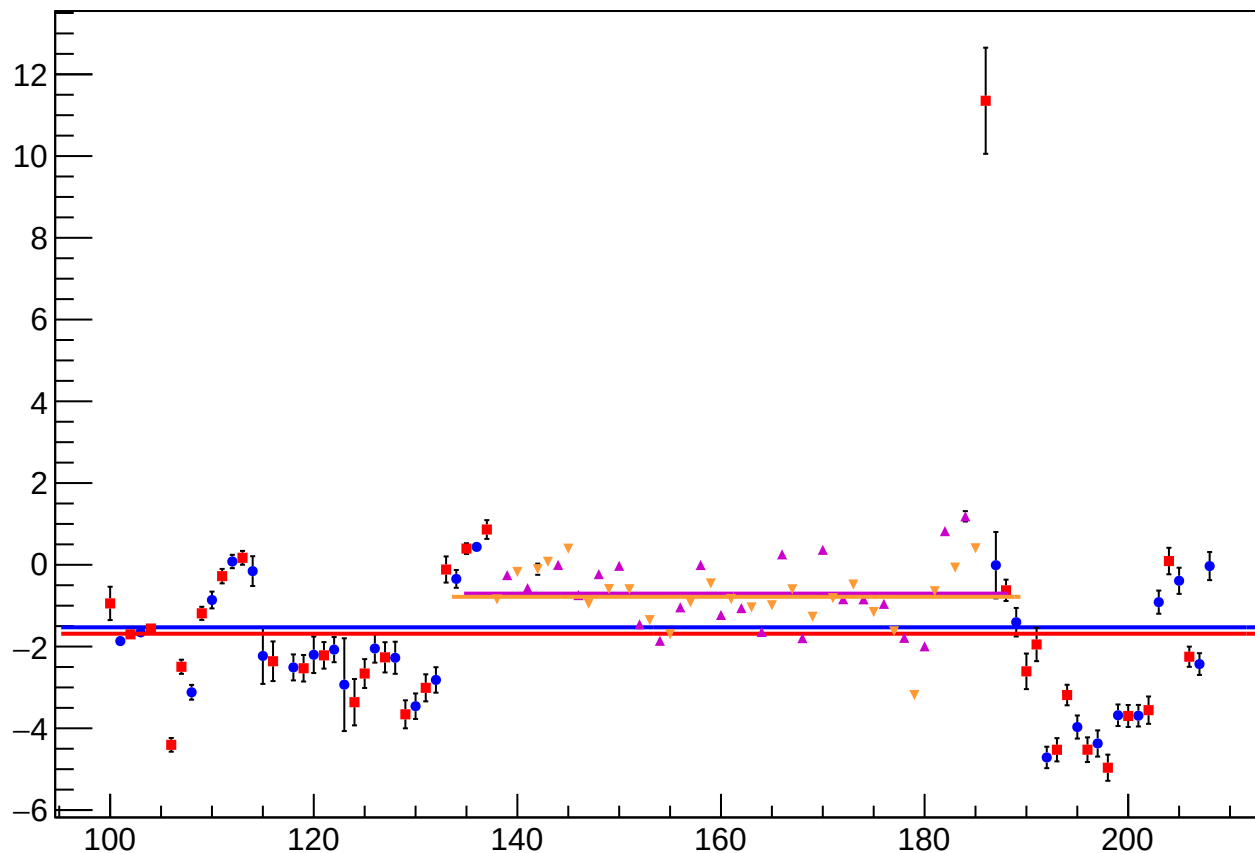
Left In: 176.531 ± 0.371 $\chi^2/\text{NDF}: 4426.0/22$

+ sign 178.669 ± 0.334 $\chi^2/\text{NDF}: 12182.0/52$

All: 177.172 ± 0.239 $\chi^2/\text{NDF}: 23937.0/106$

- sign 175.609 ± 0.341 $\chi^2/\text{NDF}: 11713.9/53$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.529 ± 0.043 χ^2/NDF : 1154.2/27

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.686 ± 0.041 χ^2/NDF : 1534.9/30

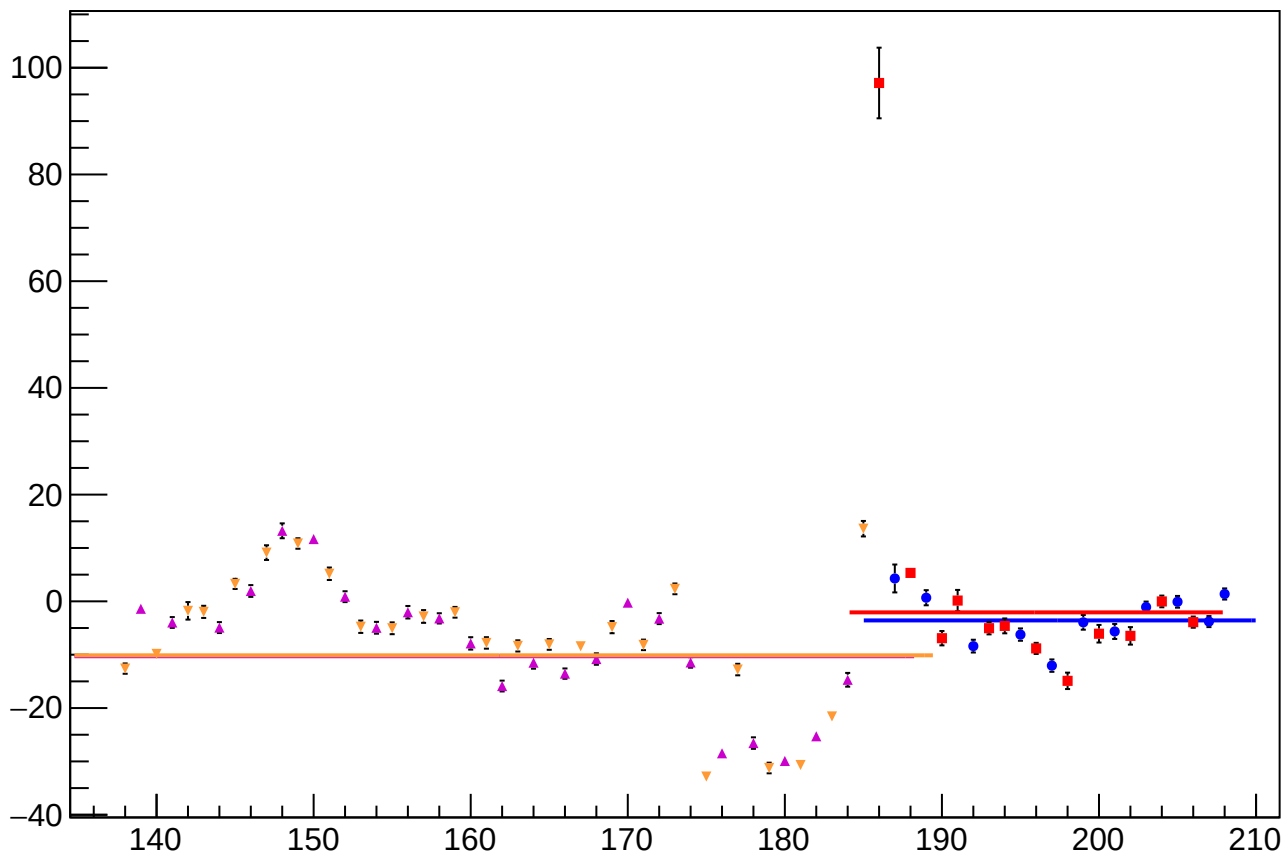
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.882 ± 0.015 χ^2/NDF : 3191.4/52

All: -0.865 ± 0.011 χ^2/NDF : 7629.1/106

- sign -0.849 ± 0.016 χ^2/NDF : 4435.4/53

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -3.576 ± 0.365 χ^2/NDF : 133.5/10

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -2.069 ± 0.346 χ^2/NDF : 513.6/11

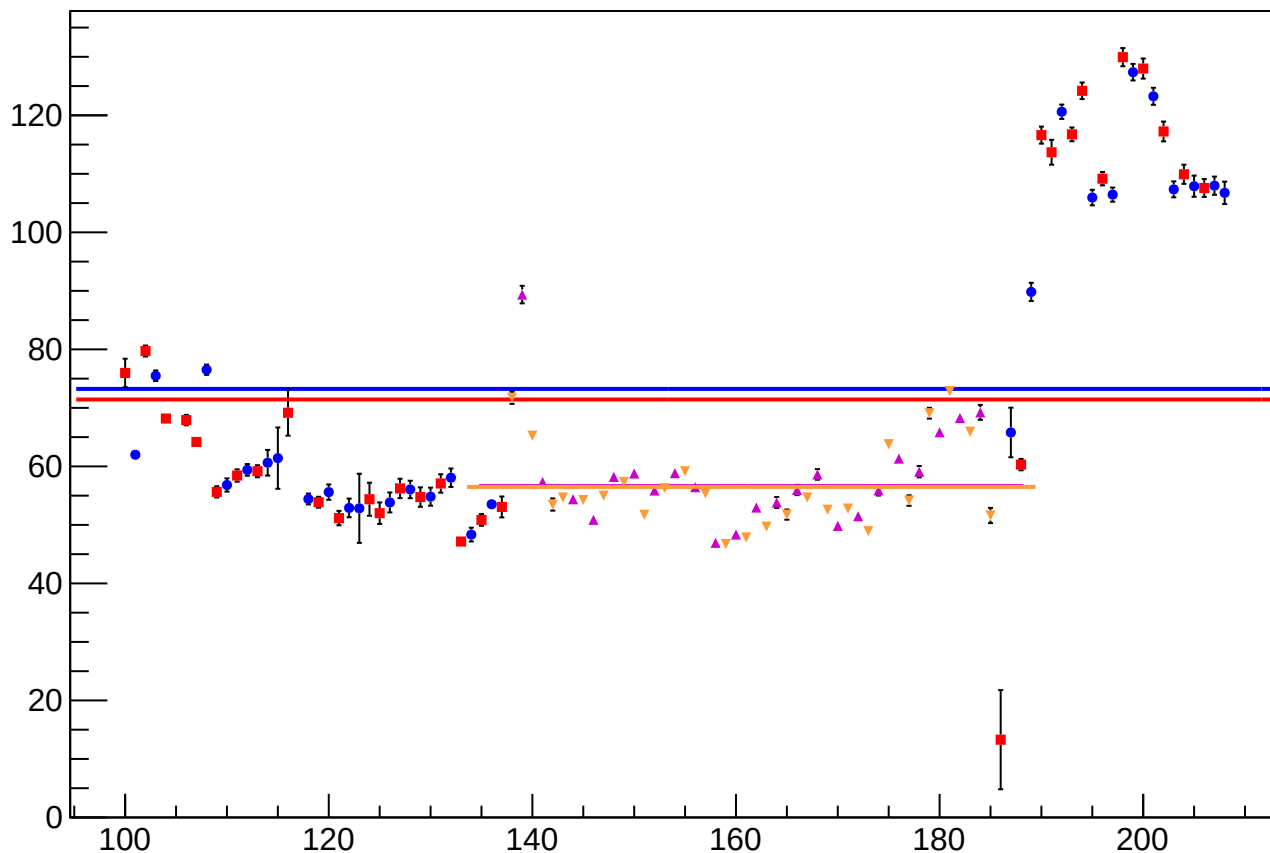
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -8.593 ± 0.176 χ^2/NDF : 4517.5/35

All: -8.371 ± 0.125 χ^2/NDF : 8902.6/70

- sign -8.148 ± 0.177 χ^2/NDF : 4381.9/34

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 73.242 $\pm$ 0.228 χ^2 /NDF: 10618.4/27

Left Out: 56.496 $\pm$ 0.159 χ^2 /NDF:1968.0/24

Right Out: 71.432 $\pm$ 0.214 χ^2 /NDF: 13503.4/30

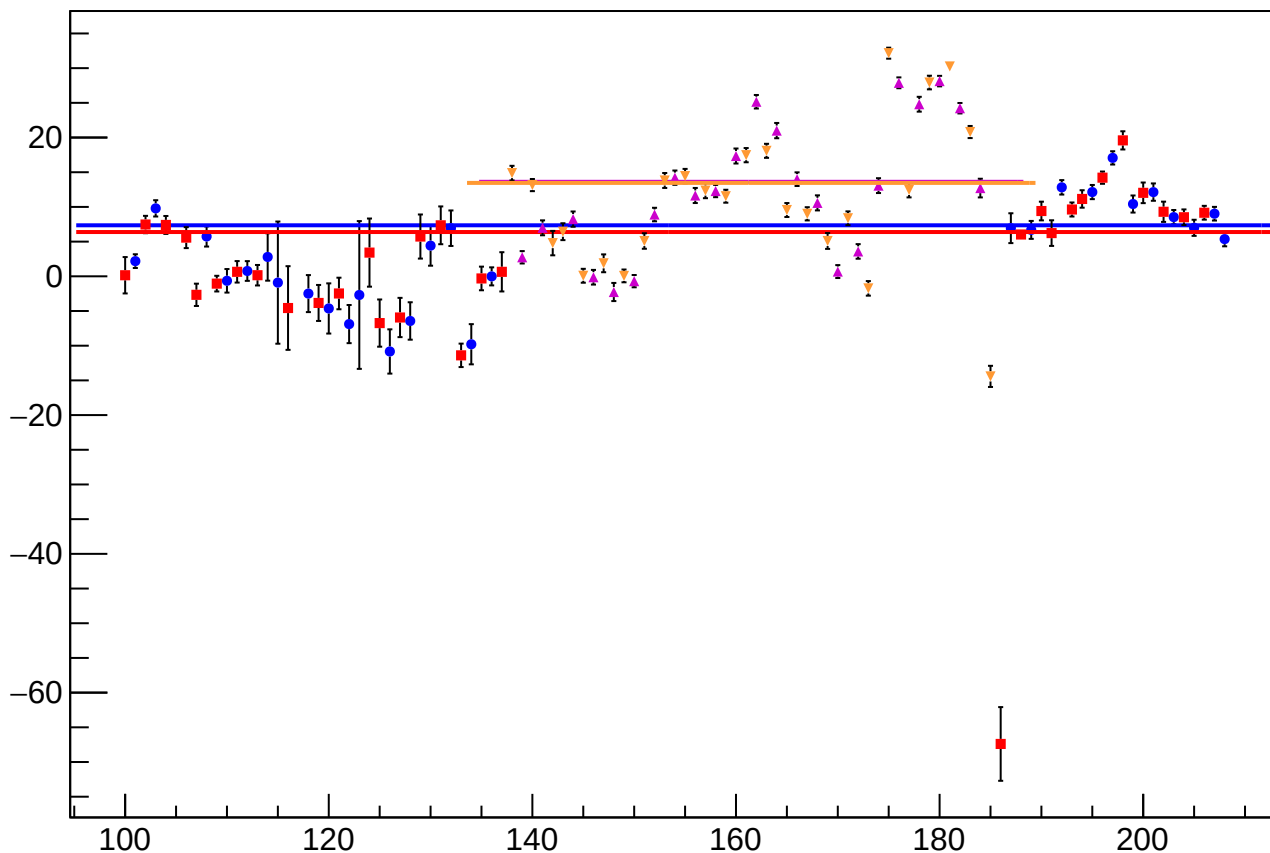
Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

+ sign 61.983 $\pm$ 0.130 χ^2 /NDF: 16226.7/52

All: 62.076 $\pm$ 0.092 χ^2 /NDF: 34342.3/106

- sign 62.170 $\pm$ 0.131 χ^2 /NDF: 18114.6/53

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.352 ± 0.272 χ^2/NDF : 440.1/27

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.381 ± 0.248 χ^2/NDF : 745.8/30

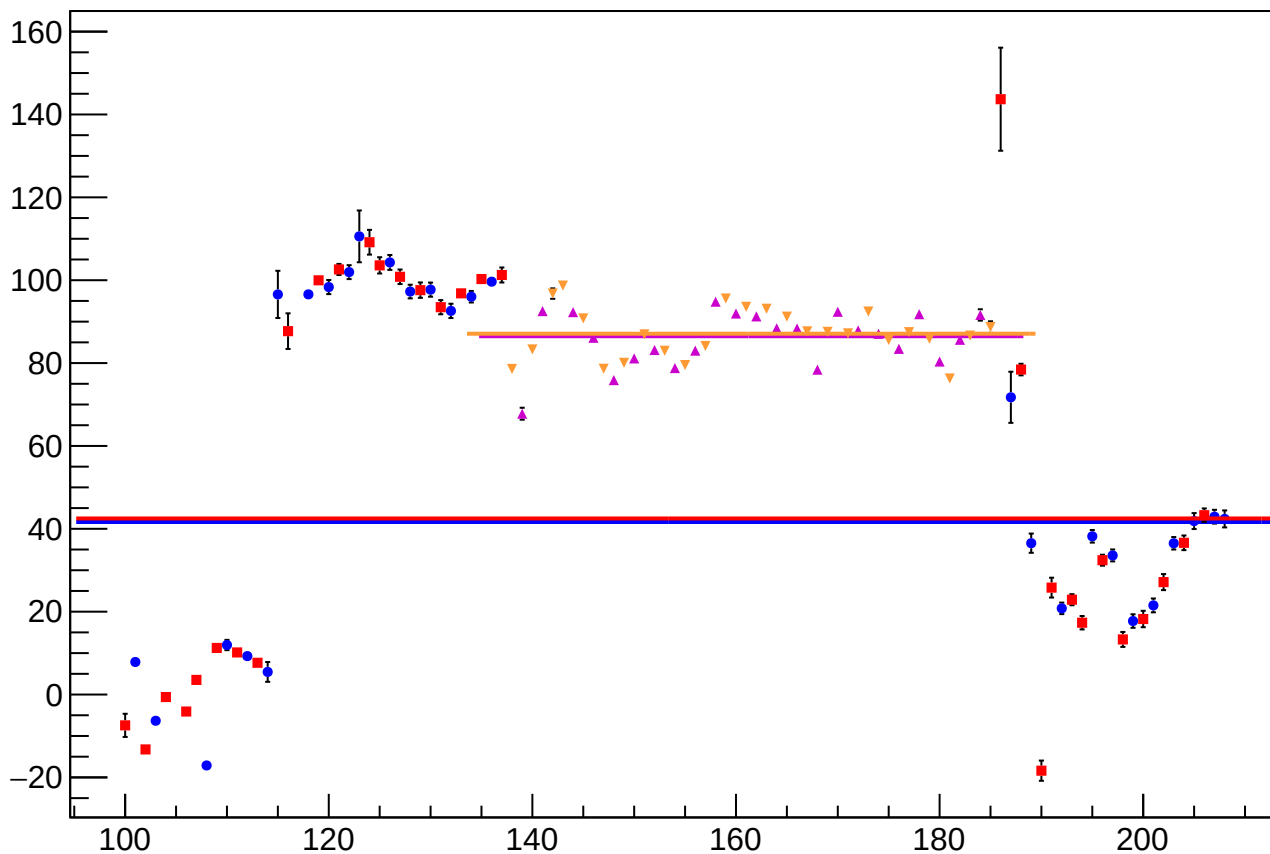
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 11.301 ± 0.162 χ^2/NDF : 3501.6/52

All: 10.984 ± 0.113 χ^2/NDF : 7078.6/106

- sign 10.684 ± 0.158 χ^2/NDF : 3569.6/53

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 41.644 $\pm$ 0.263 χ^2 /NDF: 25471.3/27

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 42.495 $\pm$ 0.251 χ^2 /NDF: 30757.1/30

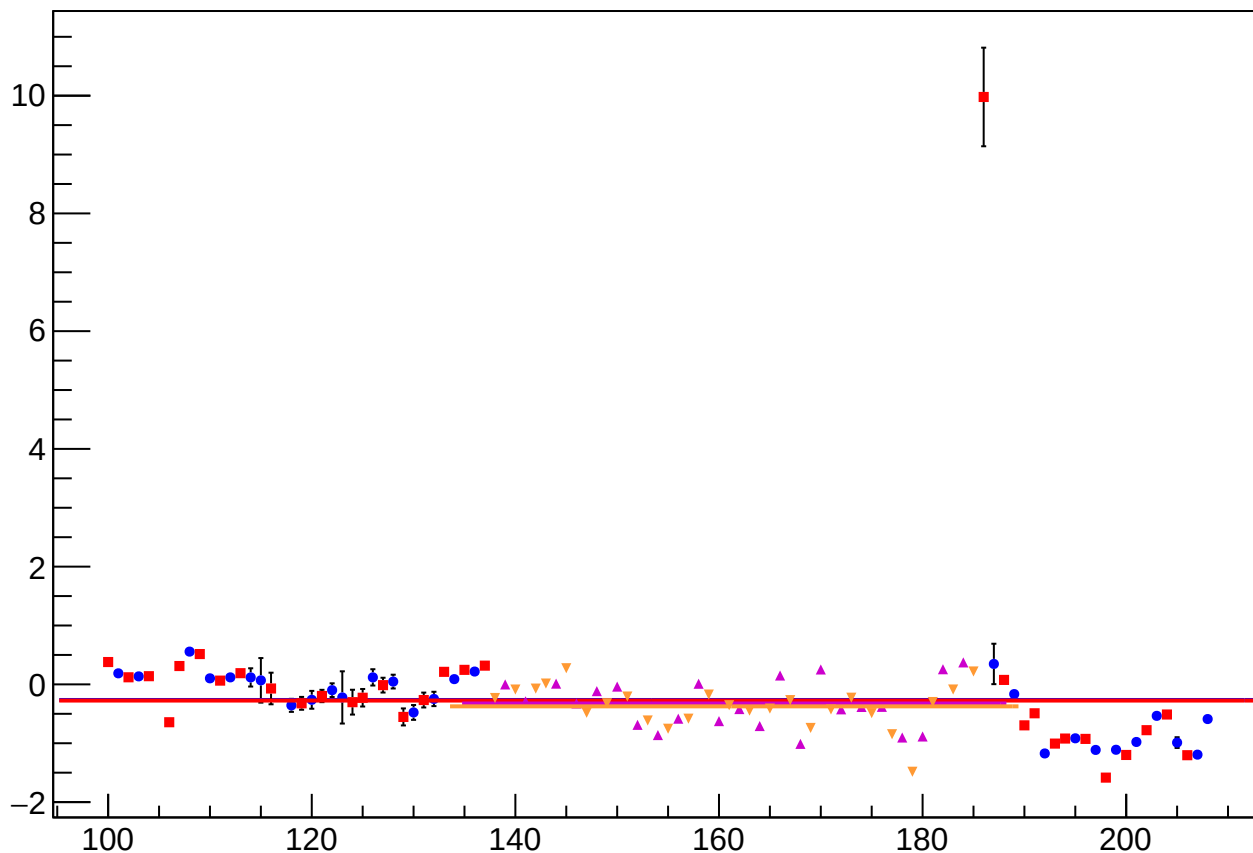
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 72.704 $\pm$ 0.148 χ^2 /NDF: 46938.3/52

All: 71.895 $\pm$ 0.105 χ^2 /NDF: 98639.3/106

- sign 71.078 $\pm$ 0.149 χ^2 /NDF: 51641.0/53

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.265 ± 0.011 χ^2/NDF : 3193.3/27

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.275 ± 0.010 χ^2/NDF : 3557.2/30

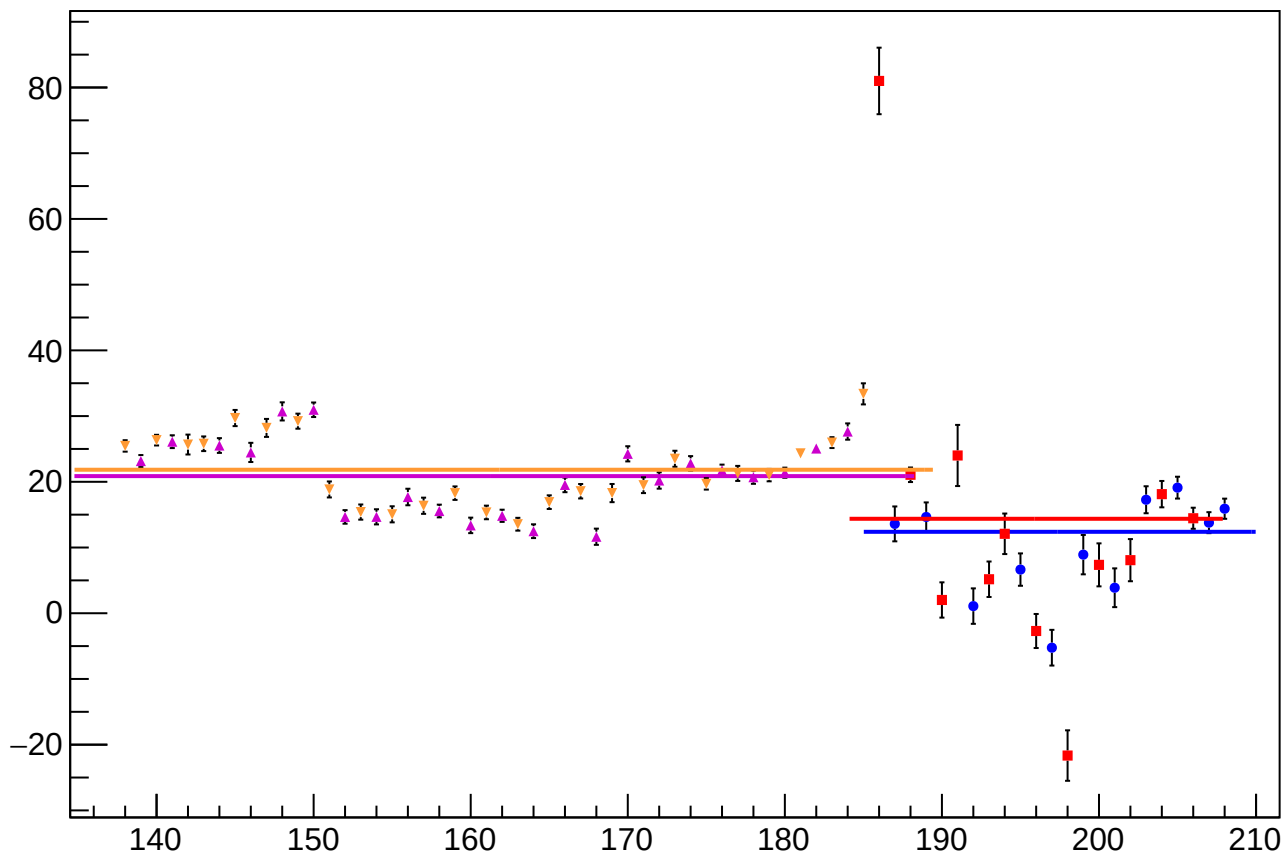
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.334 ± 0.007 χ^2/NDF : 4925.7/52

All: -0.320 ± 0.005 χ^2/NDF : 10792.0/106

- sign -0.305 ± 0.006 χ^2/NDF : 5856.1/53

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.391 $\pm$ 0.642 χ^2 /NDF: 104.1/10

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

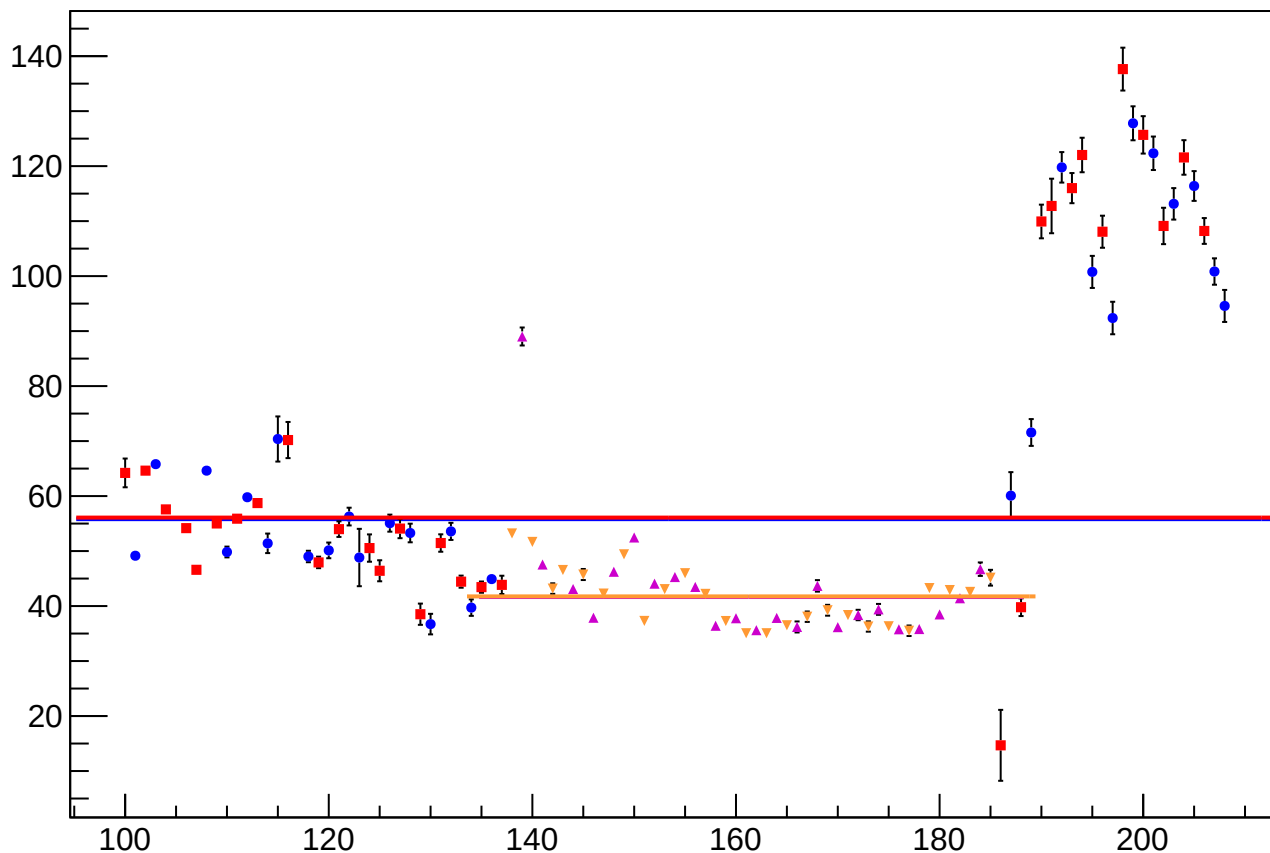
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 20.925 $\pm$ 0.199 χ^2 /NDF: 824.0/35

All: 20.586 $\pm$ 0.143 χ^2 /NDF: 1886.1/70

- sign 20.226 $\pm$ 0.206 χ^2 /NDF: 1056.2/34

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 55.804 $\pm$ 0.205 χ^2 /NDF: 4794.6/27

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

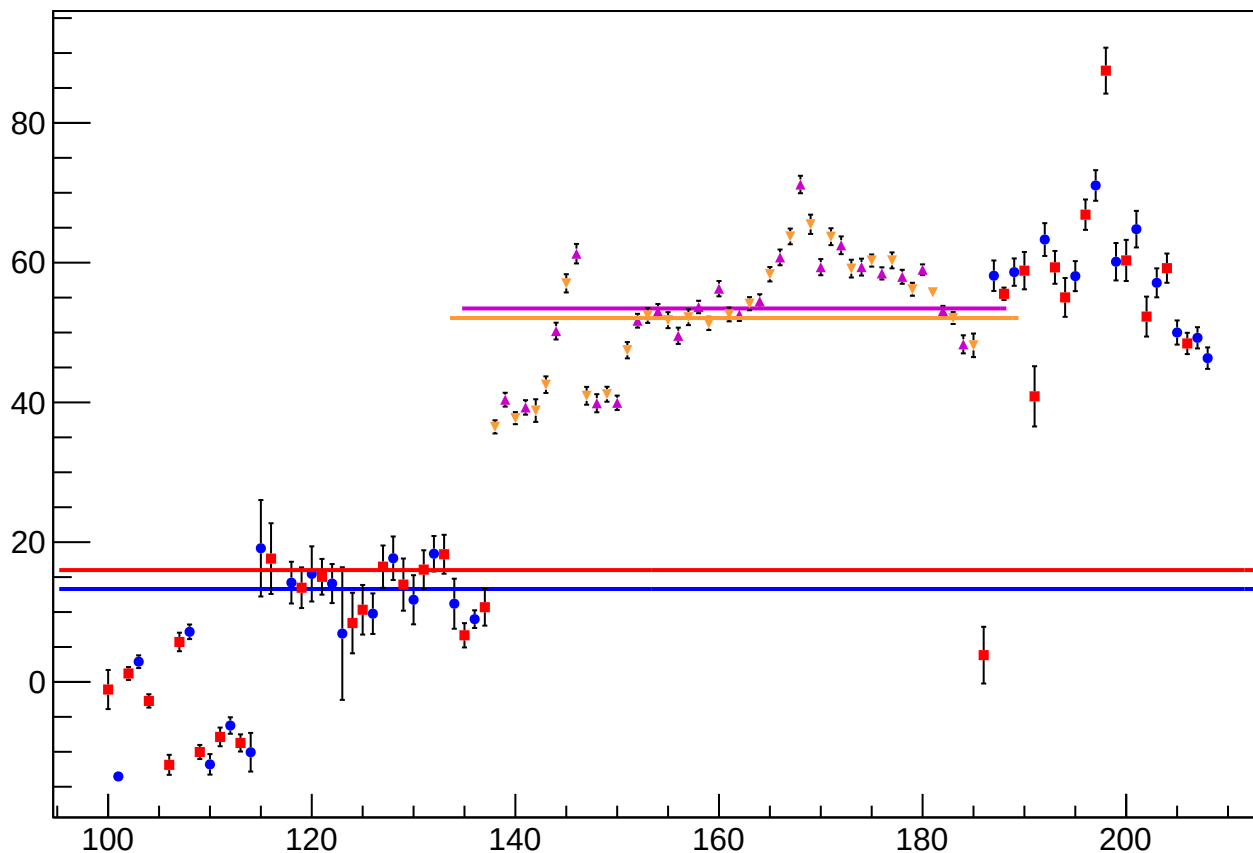
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 47.295 $\pm$ 0.129 χ^2 /NDF: 8655.0/52

All: 47.263 $\pm$ 0.094 χ^2 /NDF: 17826.9/106

- sign 47.228 $\pm$ 0.136 χ^2 /NDF: 9171.8/53

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 13.298 $\pm$ 0.311 χ^2 /NDF: 7839.3/27

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

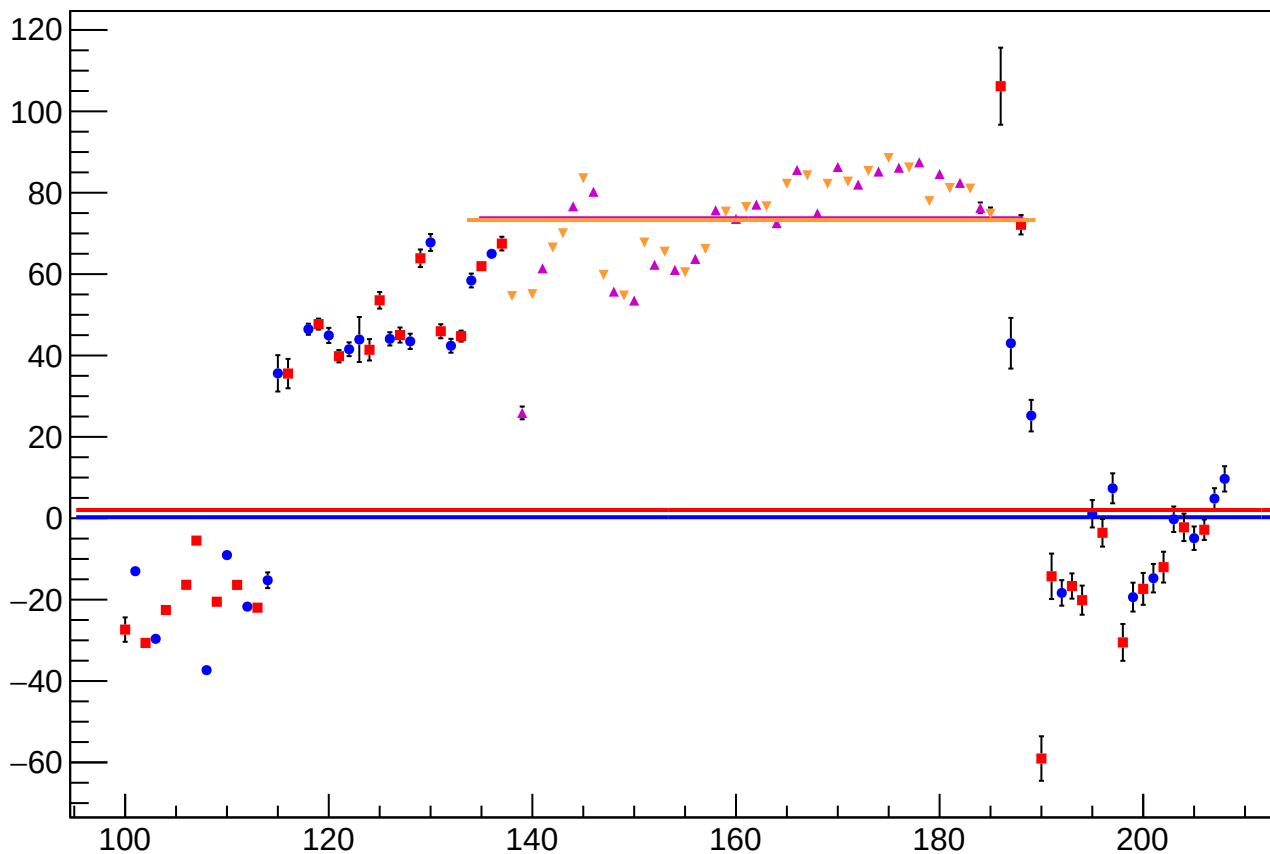
Left In: 53.447 $\pm$ 0.215 χ^2 /NDF:1169.0/22

+ sign 39.958 $\pm$ 0.174 χ^2 /NDF: 19945.5/52

All: 40.734 $\pm$ 0.124 χ^2 /NDF: 38401.5/106

- sign 41.545 $\pm$ 0.178 χ^2 /NDF: 18415.3/53

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.255 ± 0.240 χ^2/NDF : 18412.1/27

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.027 ± 0.258 χ^2/NDF : 16705.3/30

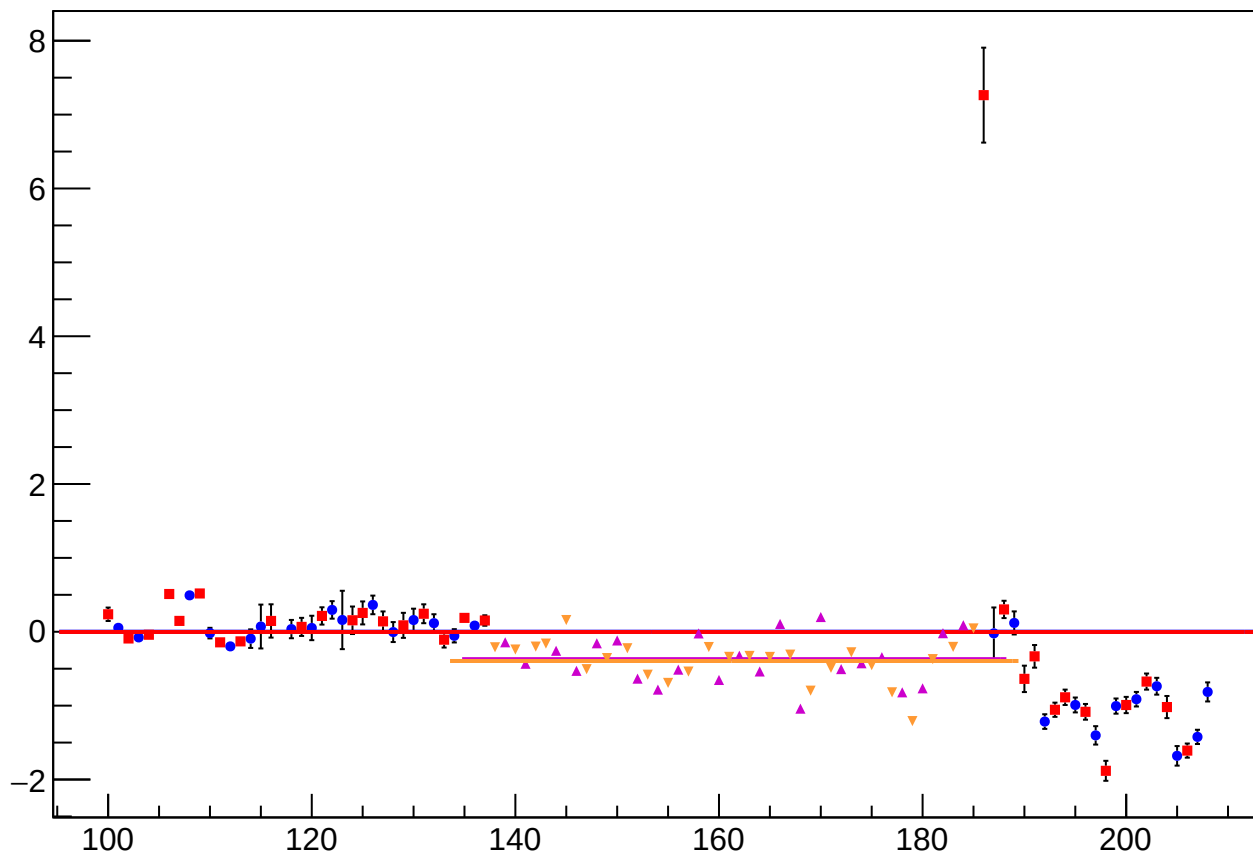
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 45.785 ± 0.148 χ^2/NDF : 79079.1/52

All: 46.740 ± 0.107 χ^2/NDF : 148884.6/106

- sign 47.797 ± 0.155 χ^2/NDF : 69717.1/53

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.011 $\chi^2/\text{NDF}: 1507.4/27$

Left Out: -0.396 ± 0.009 $\chi^2/\text{NDF}: 950.0/24$

Right Out: -0.003 ± 0.011 $\chi^2/\text{NDF}: 1544.2/30$

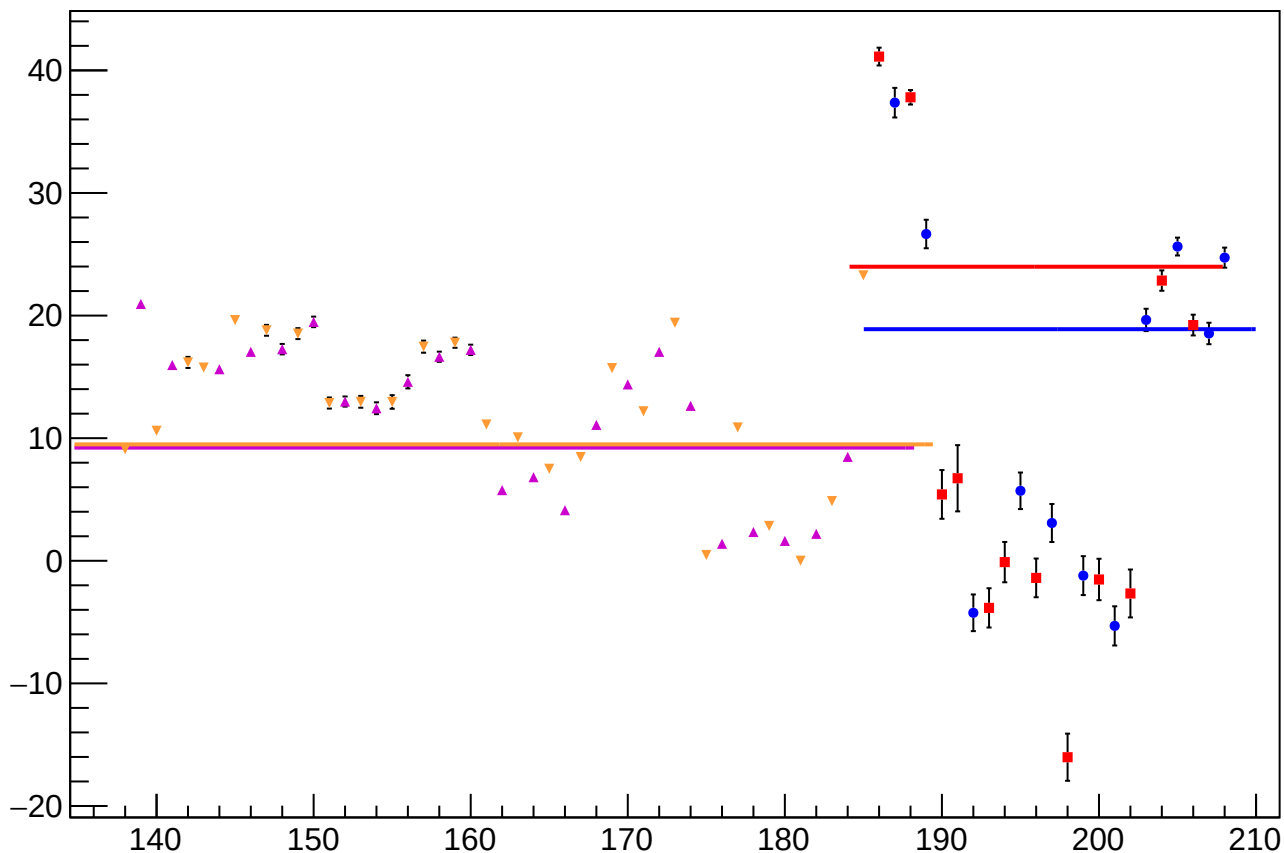
Left In: -0.371 ± 0.009 $\chi^2/\text{NDF}: 1313.7/22$

+ sign -0.238 ± 0.007 $\chi^2/\text{NDF}: 3312.0/52$

All: -0.230 ± 0.005 $\chi^2/\text{NDF}: 6899.7/106$

- sign -0.221 ± 0.007 $\chi^2/\text{NDF}: 3584.3/53$

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 18.891 ± 0.326 χ^2/NDF : 1226.5/10

Left Out: 9.495 ± 0.061 χ^2/NDF : 12609.1/24

Right Out: 23.986 ± 0.316 χ^2/NDF : 2886.6/11

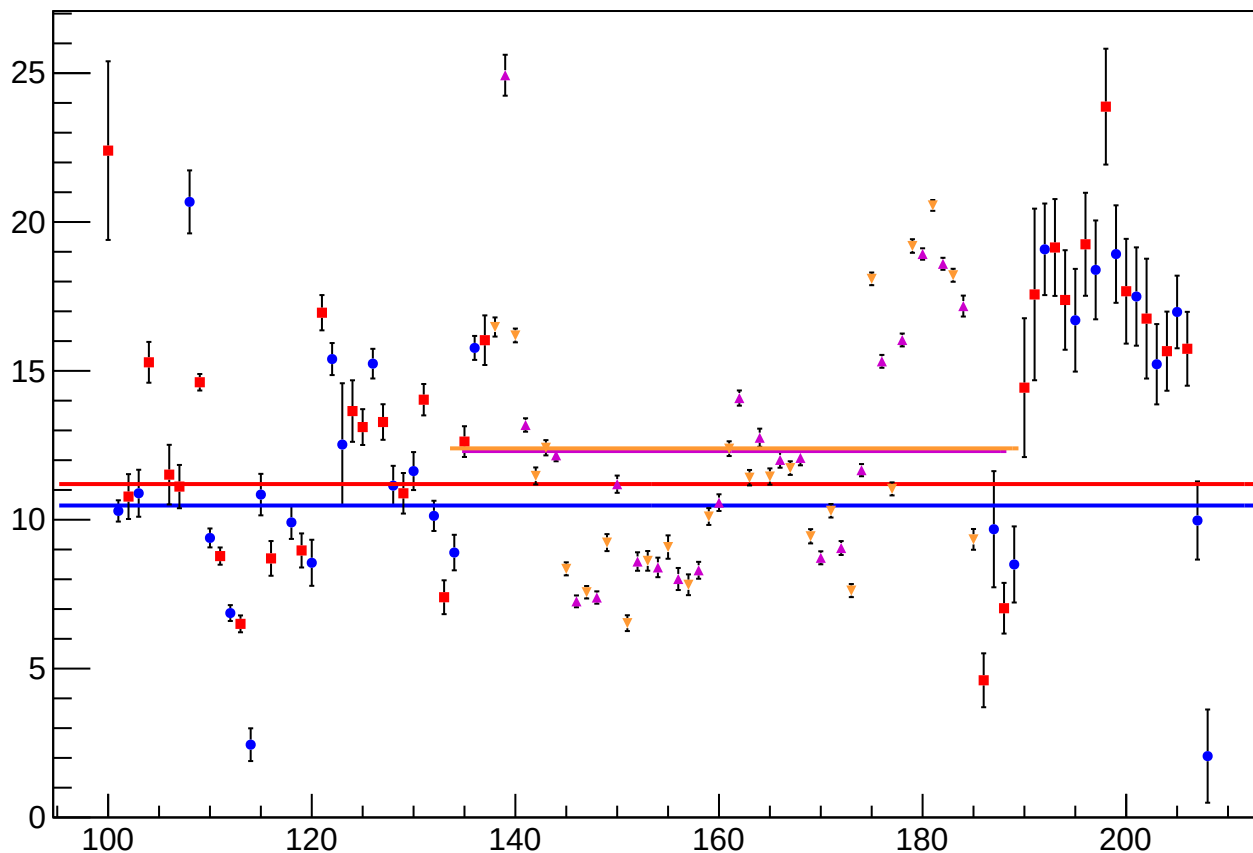
Left In: 9.231 ± 0.063 χ^2/NDF : 10736.2/22

+ sign 9.815 ± 0.060 χ^2/NDF : 14638.8/35

All: 9.806 ± 0.043 χ^2/NDF : 30362.6/70

- sign 9.797 ± 0.062 χ^2/NDF : 15723.8/34

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.478 $\pm$ 0.116 χ^2 /NDF: 1054.0/27

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

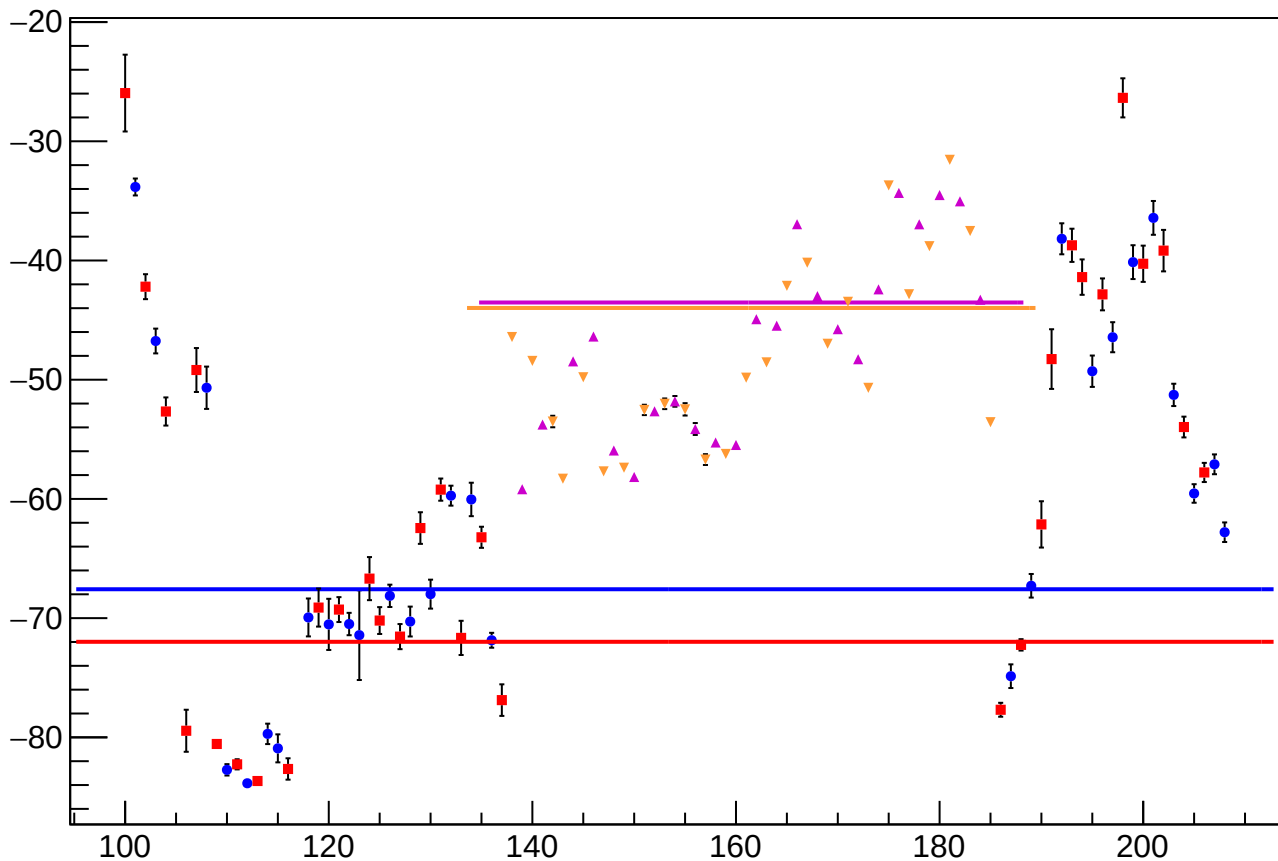
Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

+ sign 12.098 $\pm$ 0.046 χ^2 /NDF: 8829.4/52

All: 12.106 $\pm$ 0.033 χ^2 /NDF: 15561.2/106

- sign 12.115 $\pm$ 0.047 χ^2 /NDF: 6731.7/53

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -67.577 ± 0.167 $\chi^2/\text{NDF}: 8604.4/27$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -71.985 ± 0.151 $\chi^2/\text{NDF}: 7942.3/30$

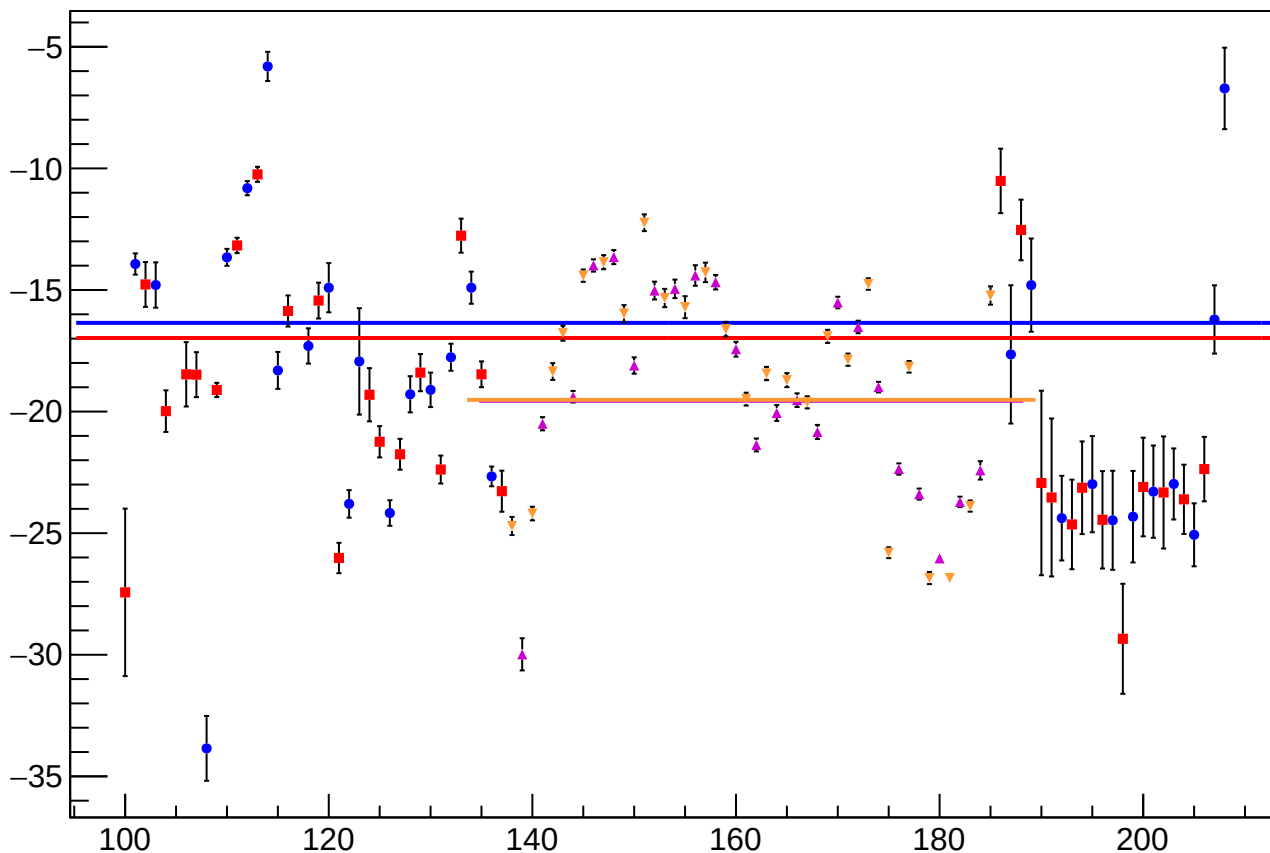
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -46.841 ± 0.058 $\chi^2/\text{NDF}: 43928.4/52$

All: -47.303 ± 0.041 $\chi^2/\text{NDF}: 97408.5/106$

- sign -47.770 ± 0.058 $\chi^2/\text{NDF}: 53352.9/53$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.352 ± 0.129 $\chi^2/\text{NDF}: 1804.2/27$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -16.973 ± 0.124 $\chi^2/\text{NDF}: 1383.1/30$

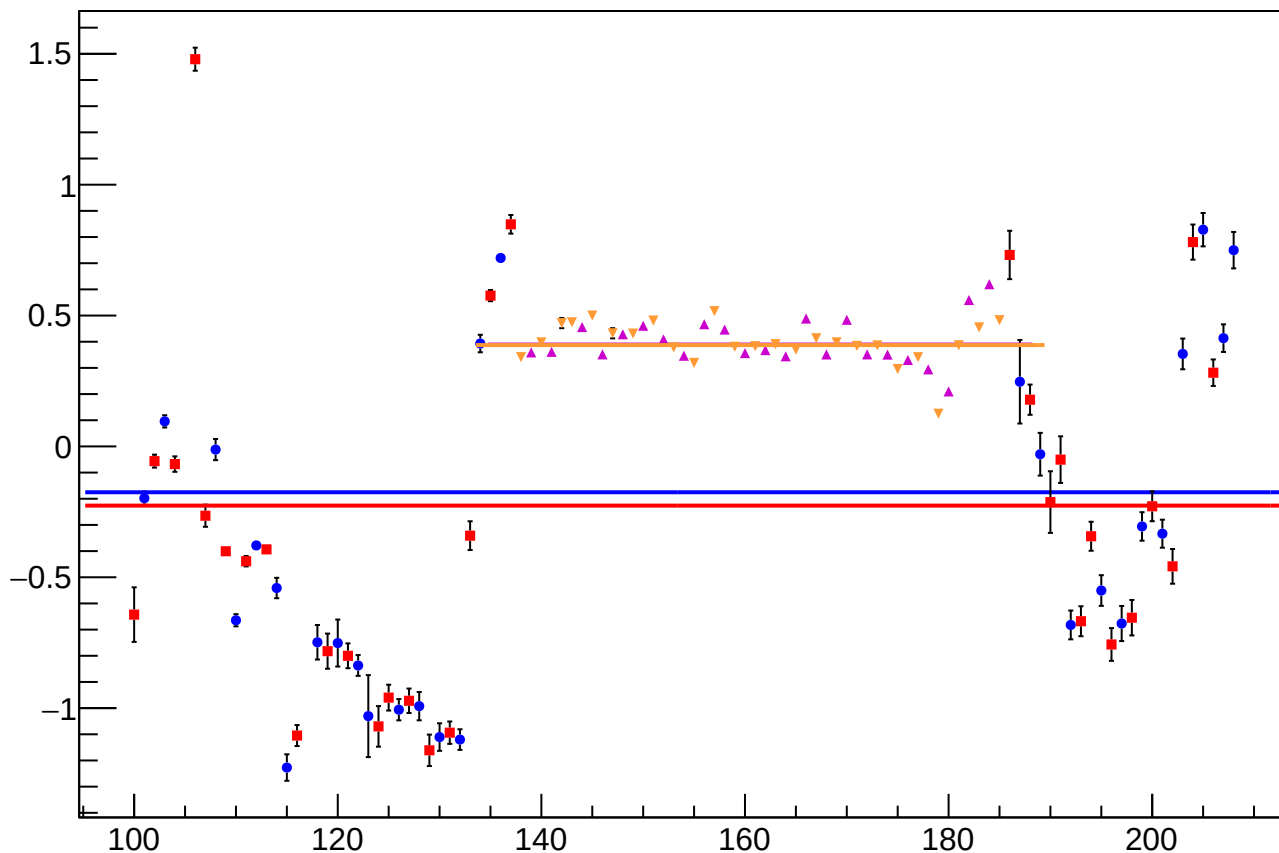
Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

+ sign -19.017 ± 0.051 $\chi^2/\text{NDF}: 8832.0/52$

All: -19.059 ± 0.036 $\chi^2/\text{NDF}: 14882.7/106$

- sign -19.103 ± 0.052 $\chi^2/\text{NDF}: 6049.4/53$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.175 ± 0.007 $\chi^2/\text{NDF}: 7160.2/27$

Left Out: 0.387 ± 0.003 $\chi^2/\text{NDF}: 995.0/24$

Right Out: -0.226 ± 0.007 $\chi^2/\text{NDF}: 6853.9/30$

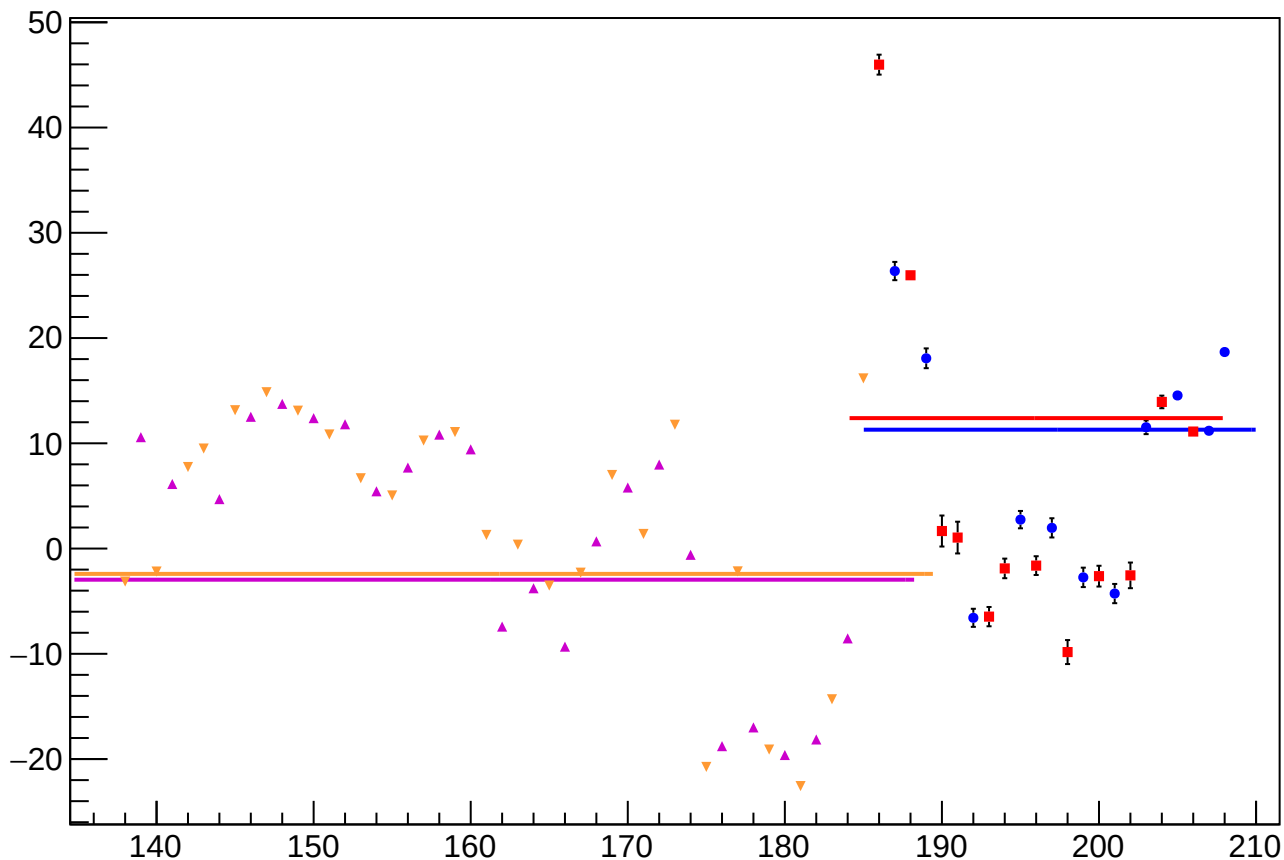
Left In: 0.389 ± 0.003 $\chi^2/\text{NDF}: 1256.9/22$

+ sign 0.321 ± 0.002 $\chi^2/\text{NDF}: 13829.6/52$

All: 0.314 ± 0.002 $\chi^2/\text{NDF}: 29262.8/106$

- sign 0.308 ± 0.002 $\chi^2/\text{NDF}: 15417.9/53$

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 11.293 ± 0.195 χ^2/NDF : 1865.3/10

Left Out: -2.407 ± 0.053 χ^2/NDF : 56368.5/24

Right Out: 12.392 ± 0.215 χ^2/NDF : 4056.1/11

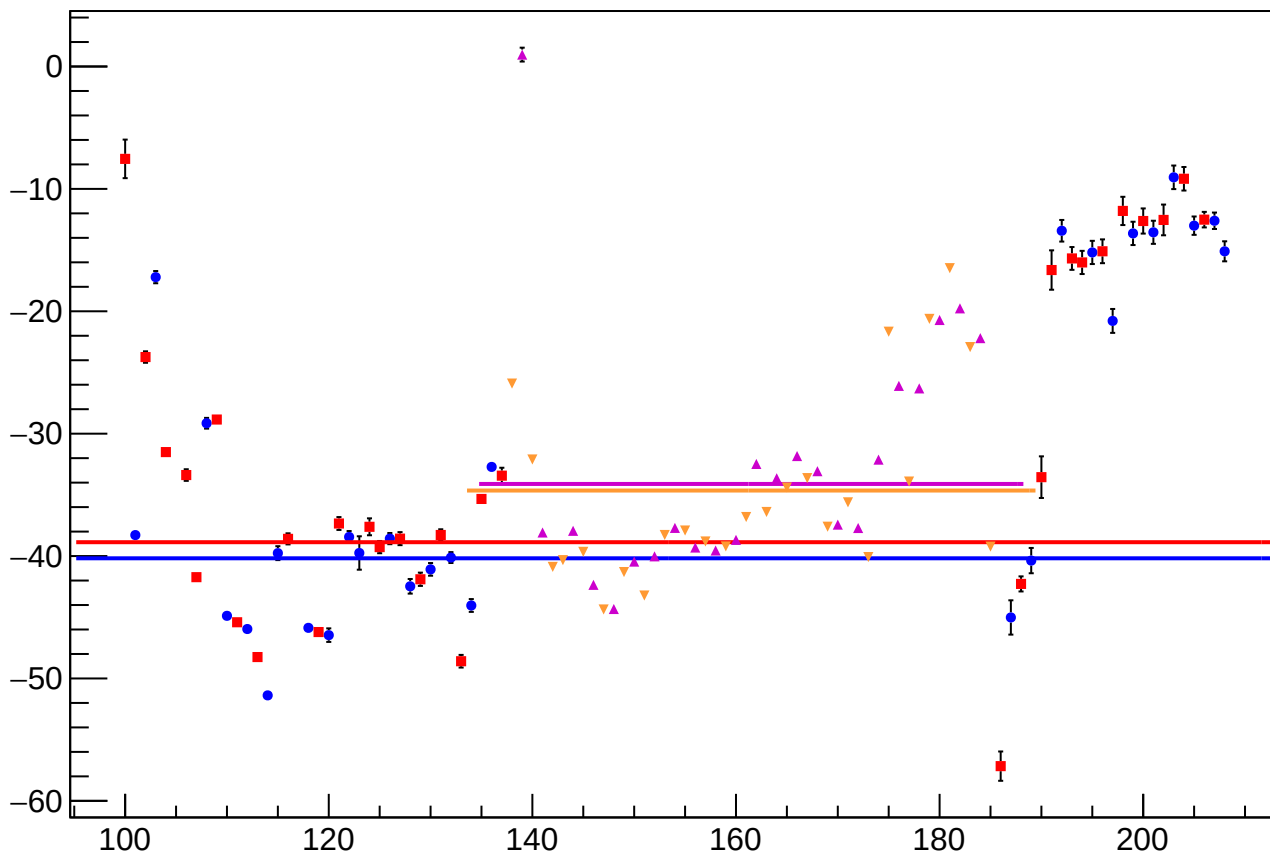
Left In: -2.959 ± 0.055 χ^2/NDF : 45922.6/22

+ sign -1.471 ± 0.051 χ^2/NDF : 62837.7/35

All: -1.734 ± 0.037 χ^2/NDF : 117666.2/70

- sign -2.019 ± 0.053 χ^2/NDF : 54773.0/34

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.182 ± 0.075 χ^2/NDF : 15762.2/27

Left Out: -34.646 ± 0.042 χ^2/NDF : 34674.7/24

Right Out: -38.867 ± 0.070 χ^2/NDF : 18171.4/30

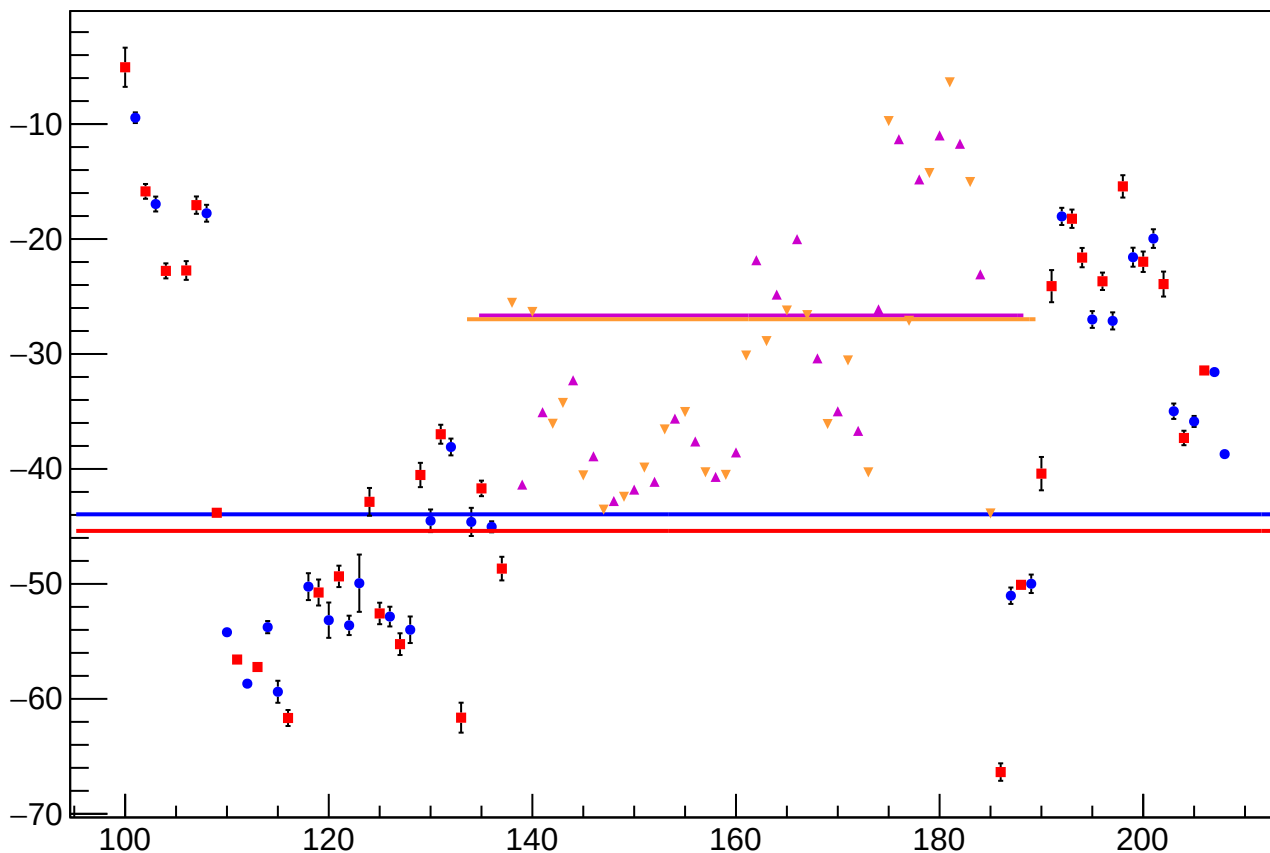
Left In: -34.108 ± 0.044 χ^2/NDF : 29052.8/22

+ sign -35.954 ± 0.037 χ^2/NDF : 54587.9/52

All: -35.705 ± 0.026 χ^2/NDF : 105197.0/106

- sign -35.444 ± 0.037 χ^2/NDF : 50513.4/53

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -43.947 ± 0.103 $\chi^2/\text{NDF}: 21608.2/27$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -45.390 ± 0.094 $\chi^2/\text{NDF}: 19693.5/30$

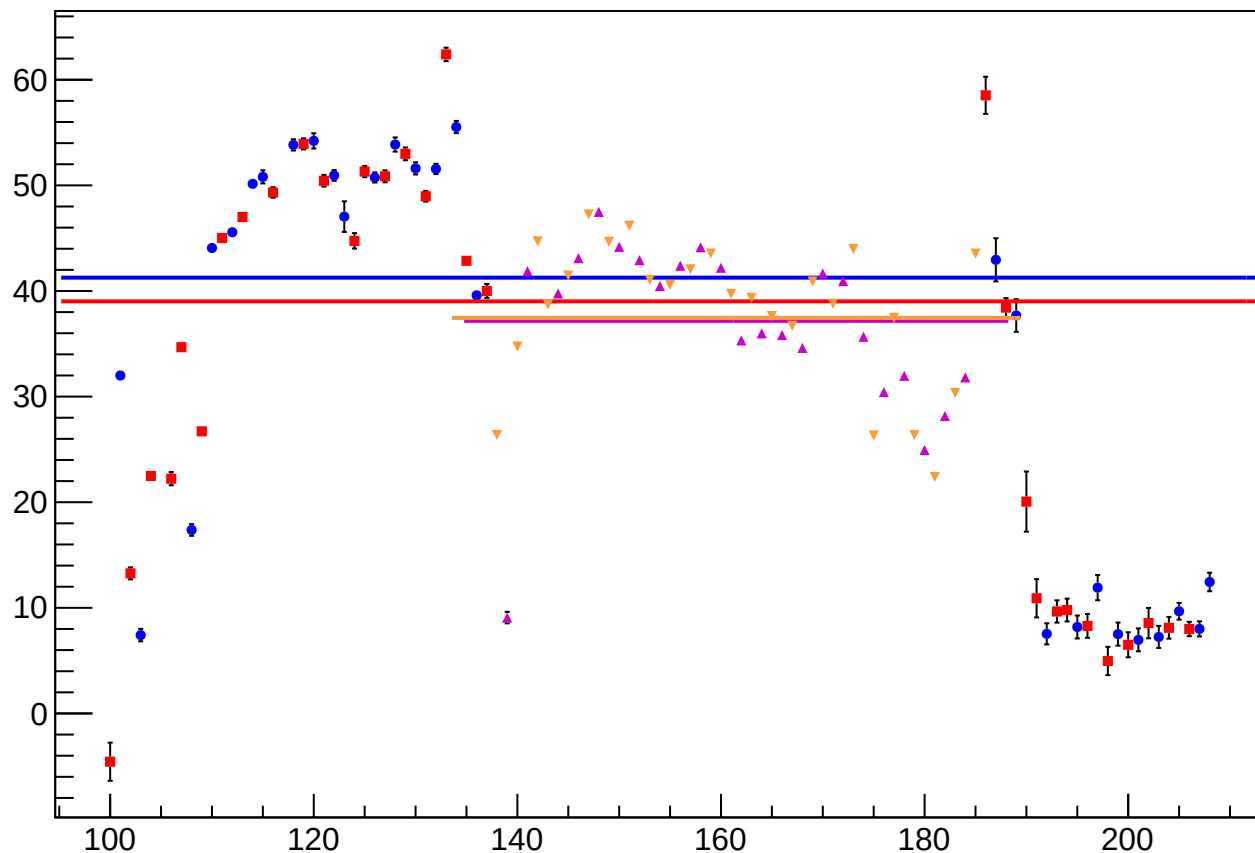
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.534 ± 0.047 $\chi^2/\text{NDF}: 92298.6/52$

All: -30.996 ± 0.033 $\chi^2/\text{NDF}: 184128.0/106$

- sign -31.460 ± 0.047 $\chi^2/\text{NDF}: 91637.9/53$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 41.262 $\pm$ 0.084 χ^2 /NDF: 21851.6/27

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

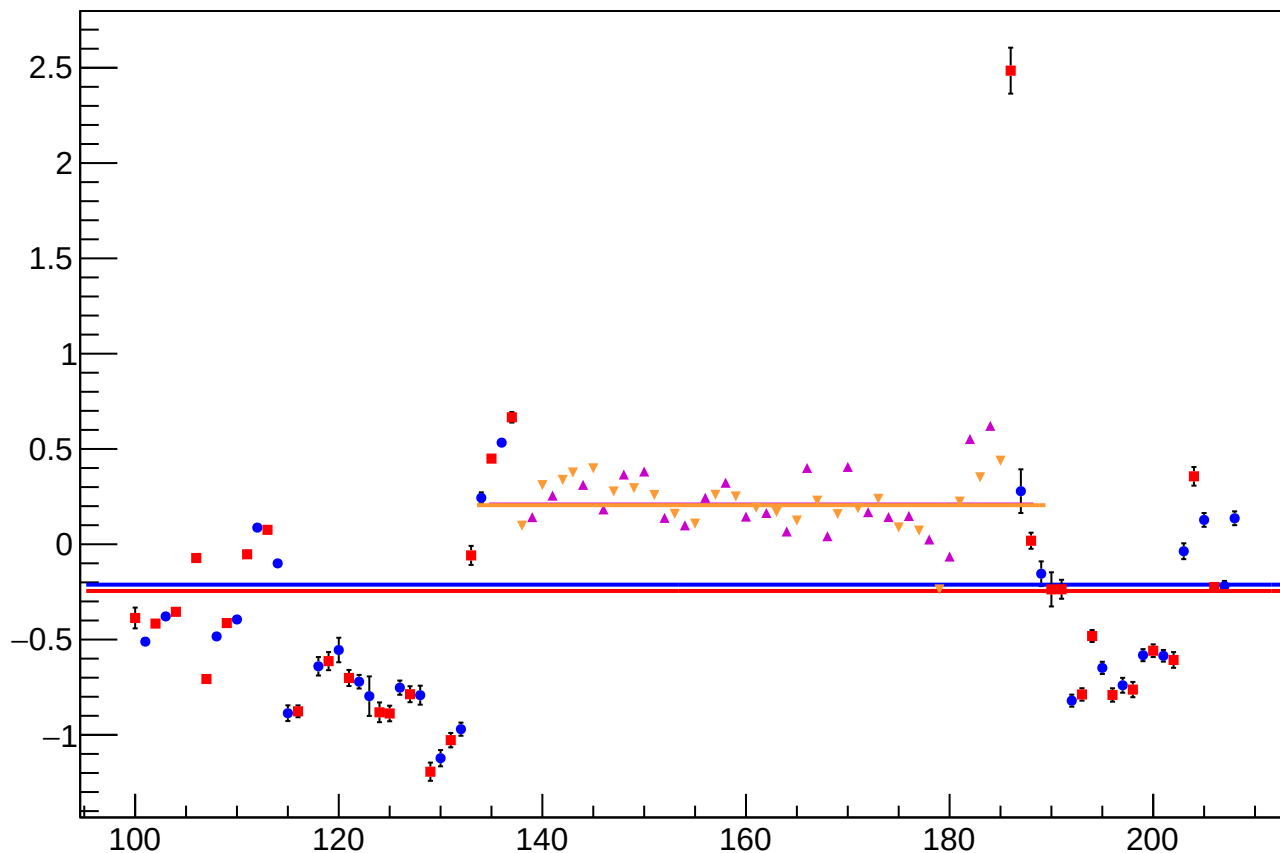
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.366 $\pm$ 0.041 χ^2 /NDF: 44998.9/52

All: 38.036 $\pm$ 0.029 χ^2 /NDF: 88199.6/106

- sign 37.696 $\pm$ 0.042 χ^2 /NDF: 43069.9/53

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.212 ± 0.004 $\chi^2/\text{NDF}: 8645.9/27$

Left Out: 0.205 ± 0.002 $\chi^2/\text{NDF}: 3826.2/24$

Right Out: -0.245 ± 0.004 $\chi^2/\text{NDF}: 9061.0/30$

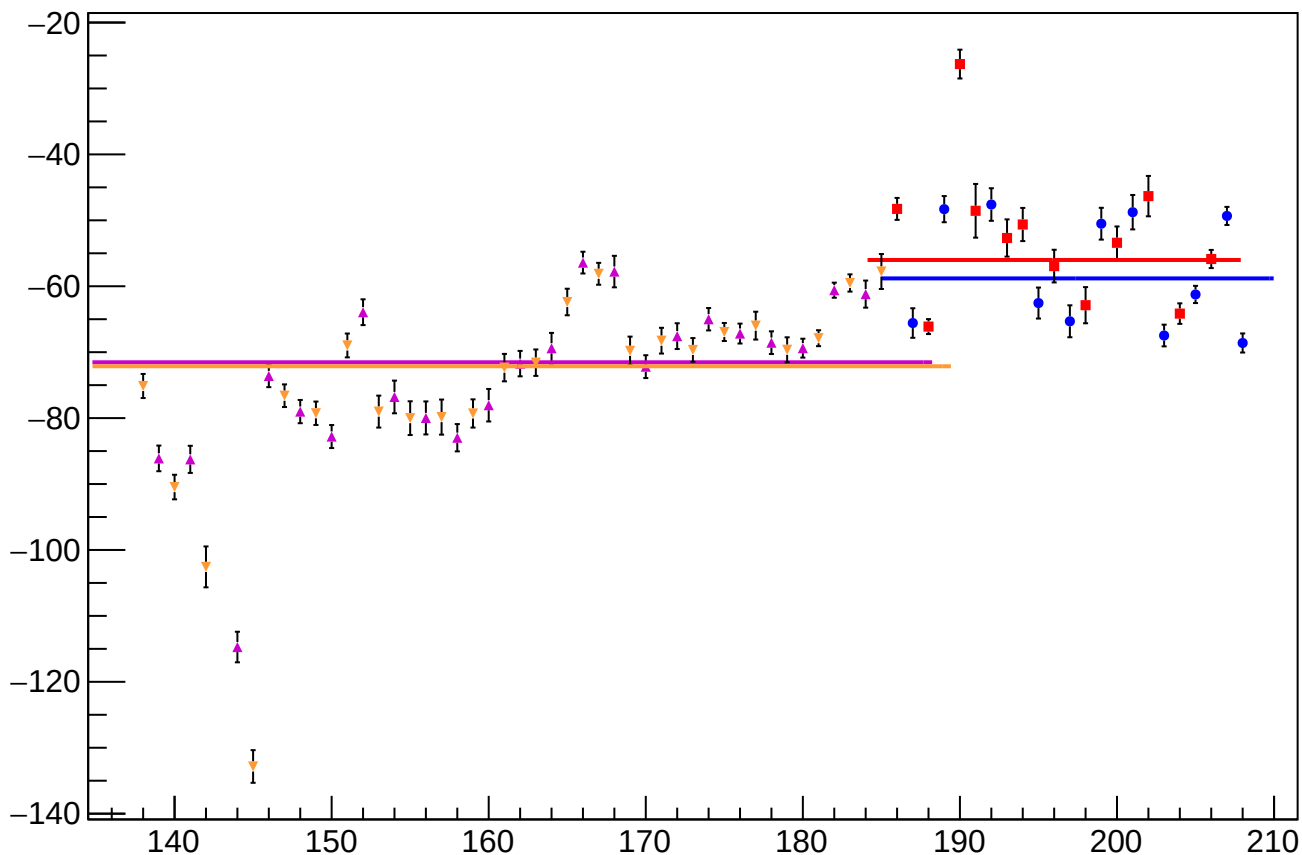
Left In: 0.208 ± 0.002 $\chi^2/\text{NDF}: 5094.6/22$

+ sign 0.124 ± 0.002 $\chi^2/\text{NDF}: 19621.9/52$

All: 0.112 ± 0.001 $\chi^2/\text{NDF}: 43552.6/106$

- sign 0.101 ± 0.002 $\chi^2/\text{NDF}: 23858.8/53$

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -58.810 ± 0.555 χ^2/NDF : 218.7/10

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -56.014 ± 0.559 χ^2/NDF : 339.8/11

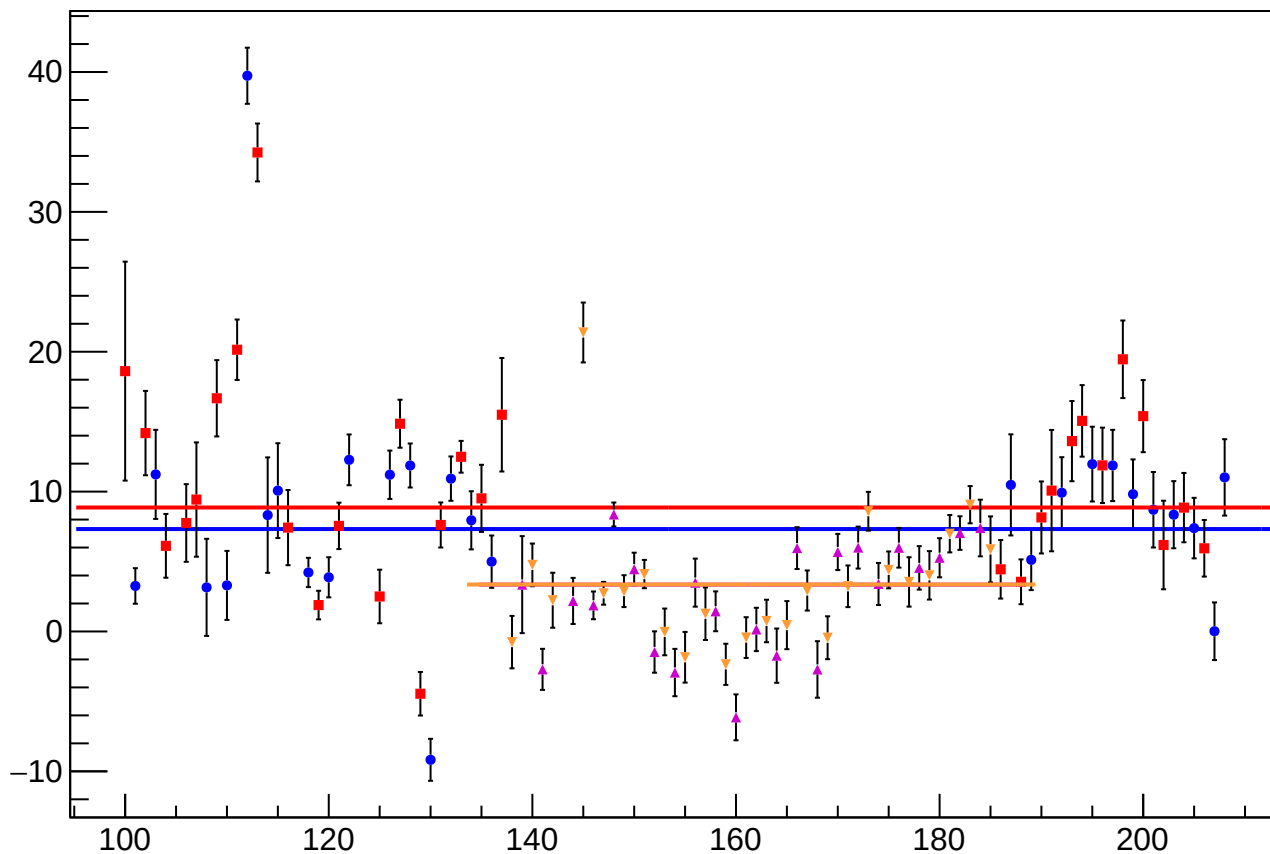
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -67.837 ± 0.315 χ^2/NDF : 1731.1/34

All: -67.221 ± 0.223 χ^2/NDF : 3455.3/69

- sign -66.603 ± 0.315 χ^2/NDF : 1716.5/34

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.322 ± 0.379 χ^2/NDF : 465.6/26

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 8.864 ± 0.378 χ^2/NDF : 398.9/29

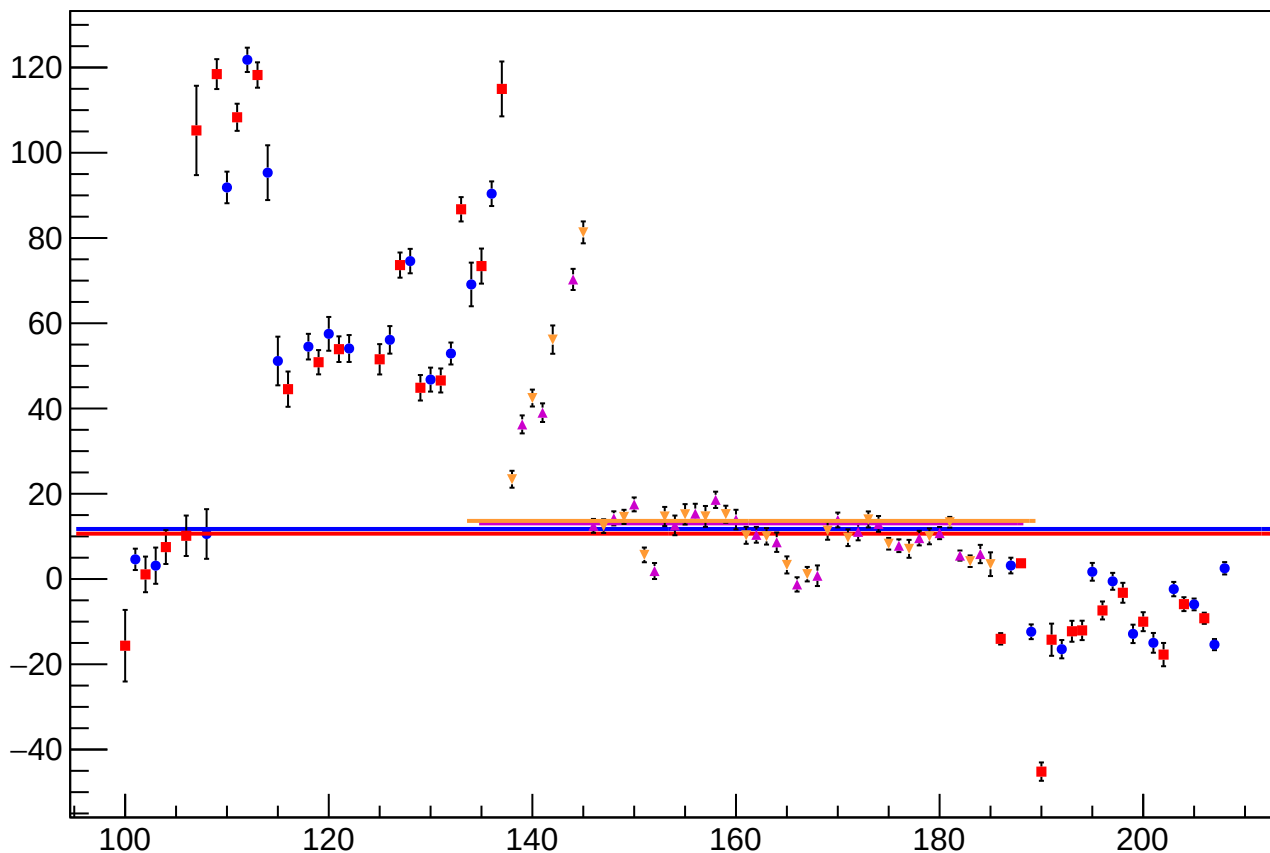
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 4.851 ± 0.233 χ^2/NDF : 701.4/50

All: 5.155 ± 0.165 χ^2/NDF : 1398.4/103

- sign 5.463 ± 0.234 χ^2/NDF : 693.5/52

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 11.741 $\pm$ 0.443 χ^2 /NDF: 6063.9/26

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

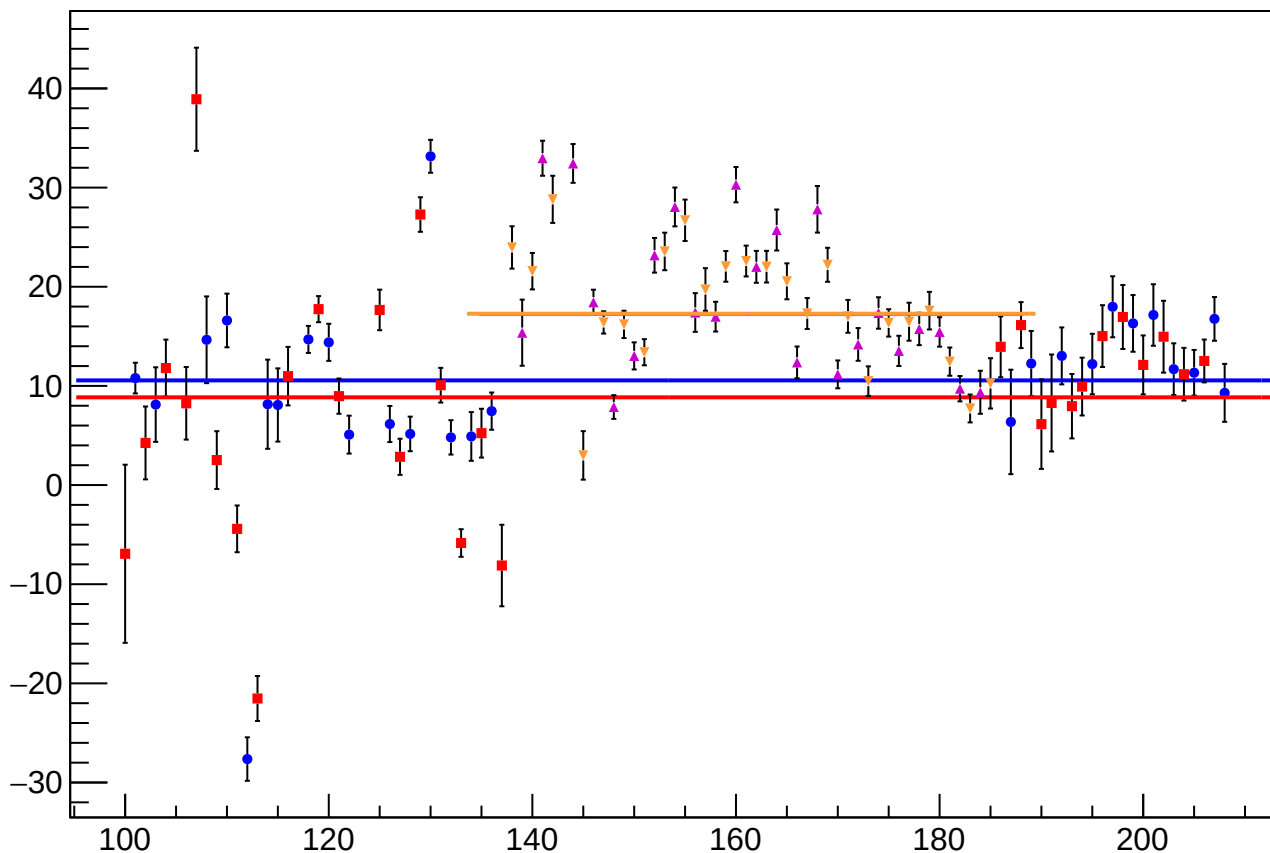
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 12.827 $\pm$ 0.289 χ^2 /NDF: 7374.4/50

All: 12.399 $\pm$ 0.202 χ^2 /NDF: 16209.2/103

- sign 11.989 $\pm$ 0.284 χ^2 /NDF: 8830.5/52

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.556 ± 0.437 $\chi^2/\text{NDF}: 576.3/26$

Left Out: 17.280 ± 0.337 $\chi^2/\text{NDF}: 243.9/23$

Right Out: 8.847 ± 0.443 $\chi^2/\text{NDF}: 605.1/29$

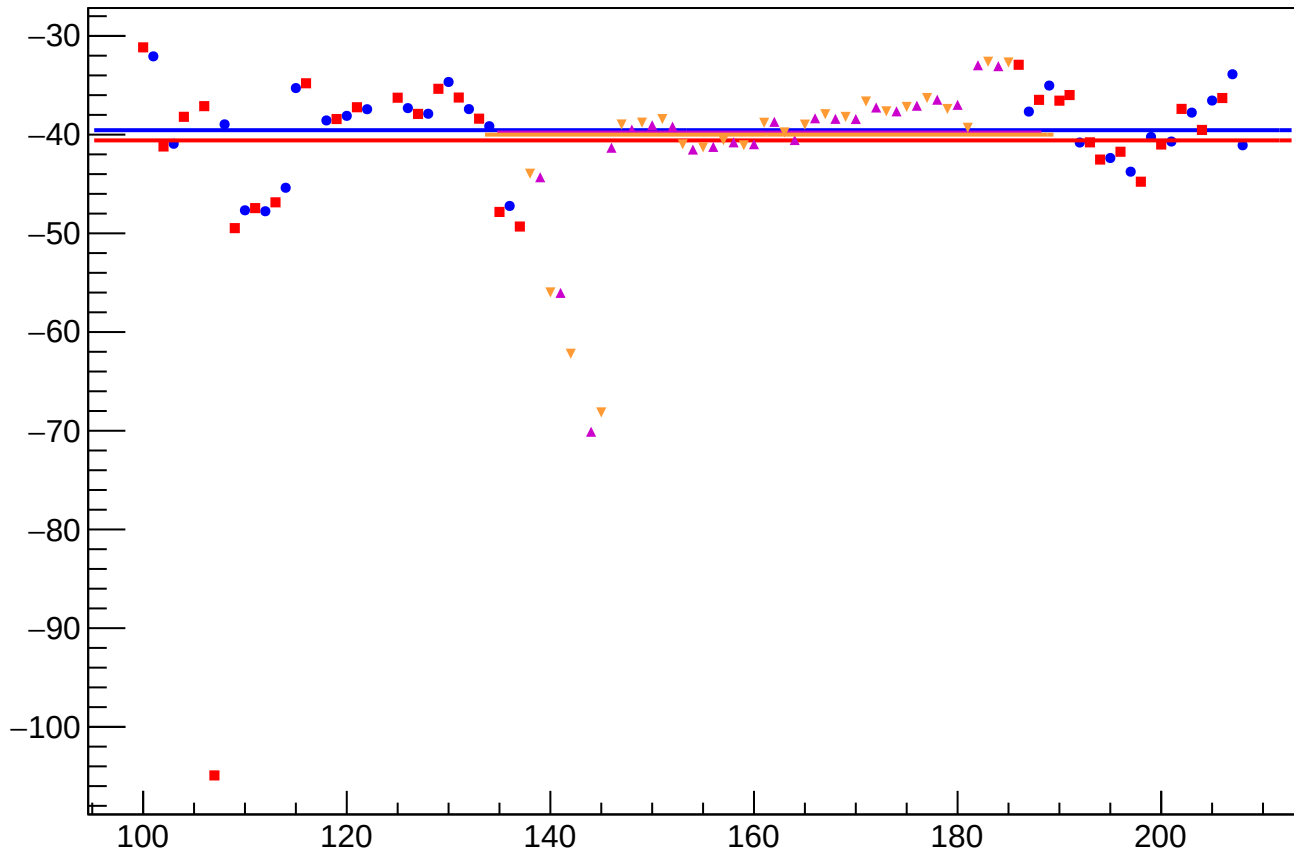
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.774 ± 0.267 $\chi^2/\text{NDF}: 968.4/50$

All: 14.459 ± 0.190 $\chi^2/\text{NDF}: 2243.6/103$

- sign 14.138 ± 0.269 $\chi^2/\text{NDF}: 1272.3/52$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.550 ± 0.022 χ^2/NDF : 36488.5/26

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -40.584 ± 0.022 χ^2/NDF : 106703.2/29

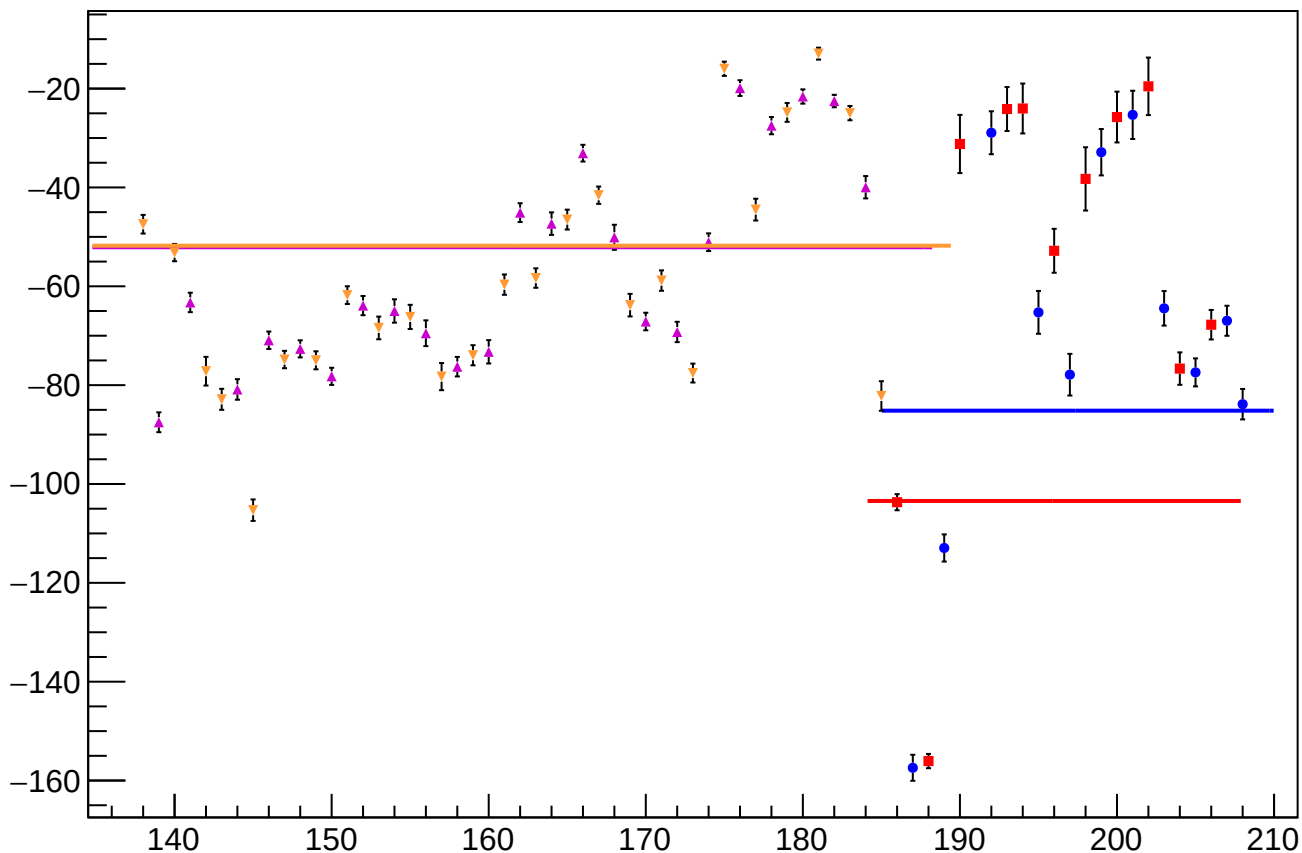
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -39.845 ± 0.013 χ^2/NDF : 209032.5/50

All: -39.953 ± 0.009 χ^2/NDF : 461270.9/103

- sign -40.060 ± 0.013 χ^2/NDF : 252095.6/52

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -85.166 ± 1.028 χ^2/NDF : 1400.7/10

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -103.437 ± 0.870 χ^2/NDF : 2920.3/10

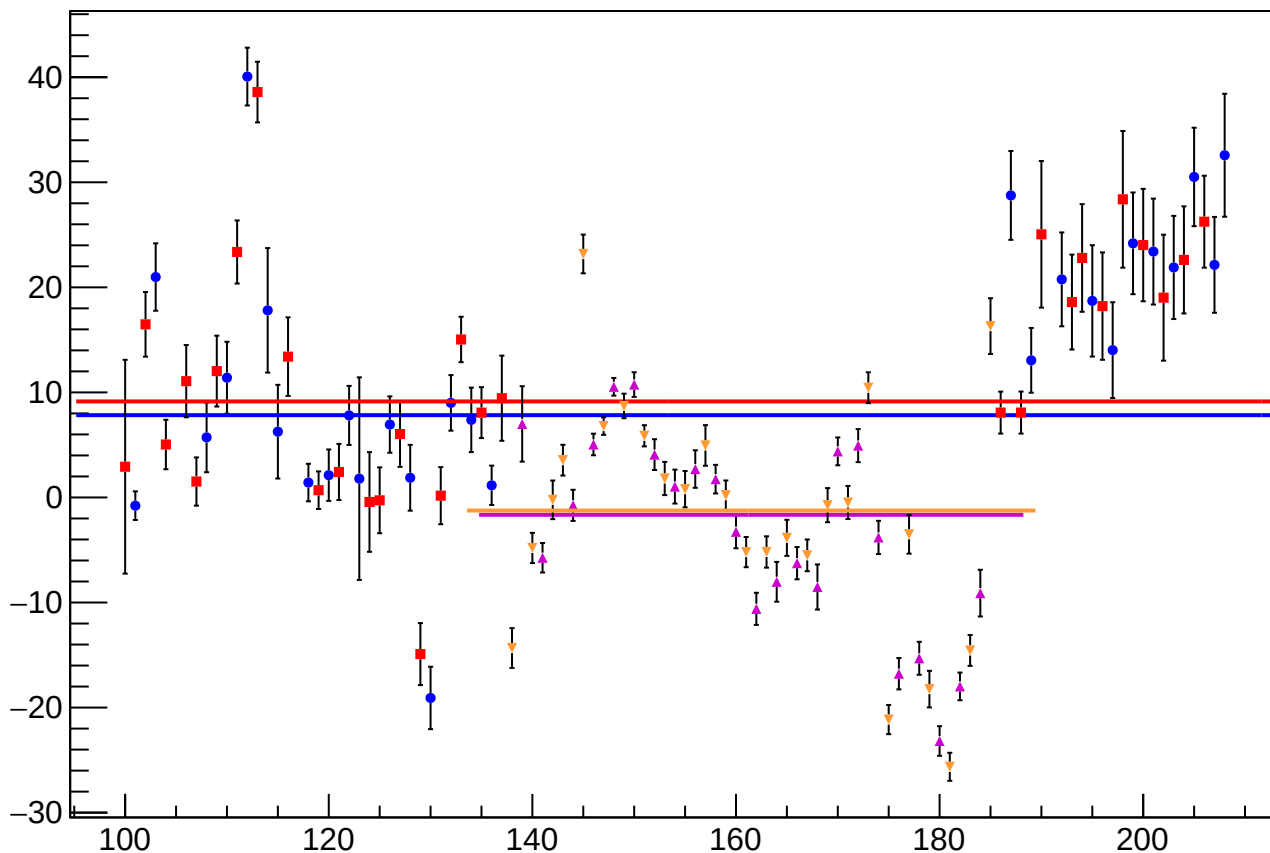
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -55.850 ± 0.359 χ^2/NDF : 6491.8/35

All: -58.269 ± 0.252 χ^2/NDF : 15683.0/69

- sign -60.639 ± 0.355 χ^2/NDF : 9101.0/33

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 7.832 ± 0.571 $\chi^2/\text{NDF}: 438.0/27$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 9.139 ± 0.561 $\chi^2/\text{NDF}: 338.5/29$

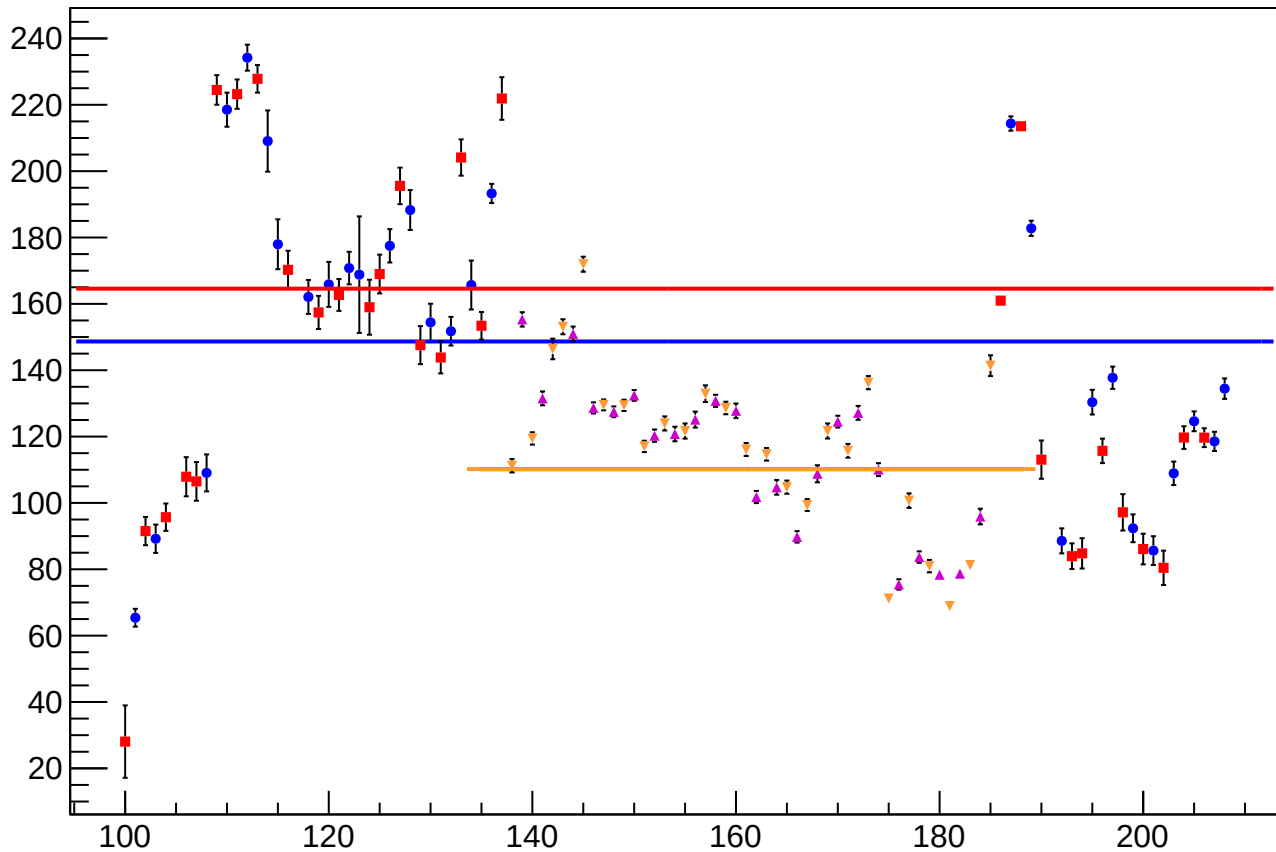
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.636 ± 0.260 $\chi^2/\text{NDF}: 1961.3/52$

All: 0.693 ± 0.185 $\chi^2/\text{NDF}: 3679.9/105$

- sign 0.753 ± 0.265 $\chi^2/\text{NDF}: 1718.5/52$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 148.664 $\pm$ 0.723 χ^2 /NDF: 4427.4/27

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

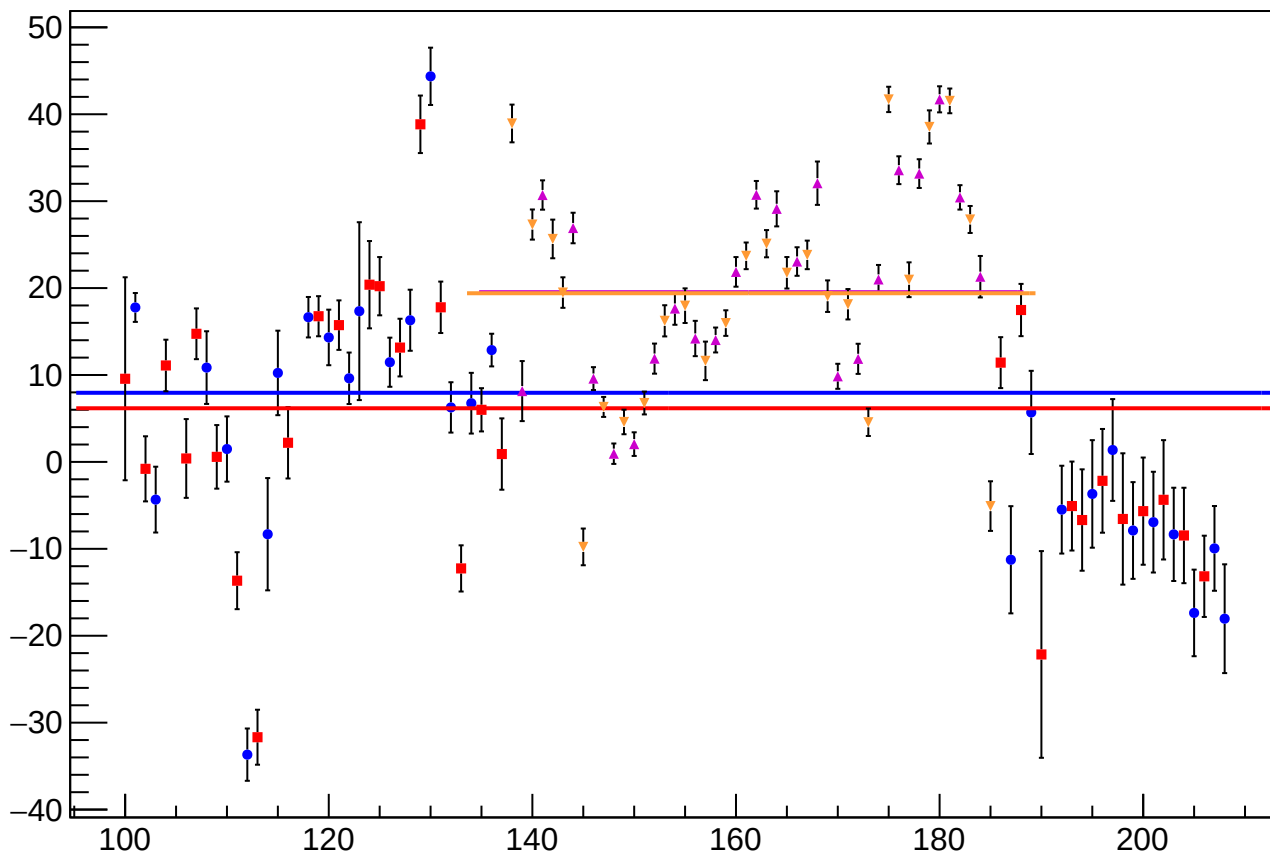
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 118.613 $\pm$ 0.338 χ^2 /NDF: 11234.0/52

All: 122.079 $\pm$ 0.235 χ^2 /NDF: 26302.1/105

- sign 125.344 $\pm$ 0.328 χ^2 /NDF: 14863.5/52

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 7.953 ± 0.660 $\chi^2/\text{NDF}: 504.8/27$

Left Out: 19.405 ± 0.335 $\chi^2/\text{NDF}: 1453.4/24$

Right Out: 6.172 ± 0.665 $\chi^2/\text{NDF}: 492.4/29$

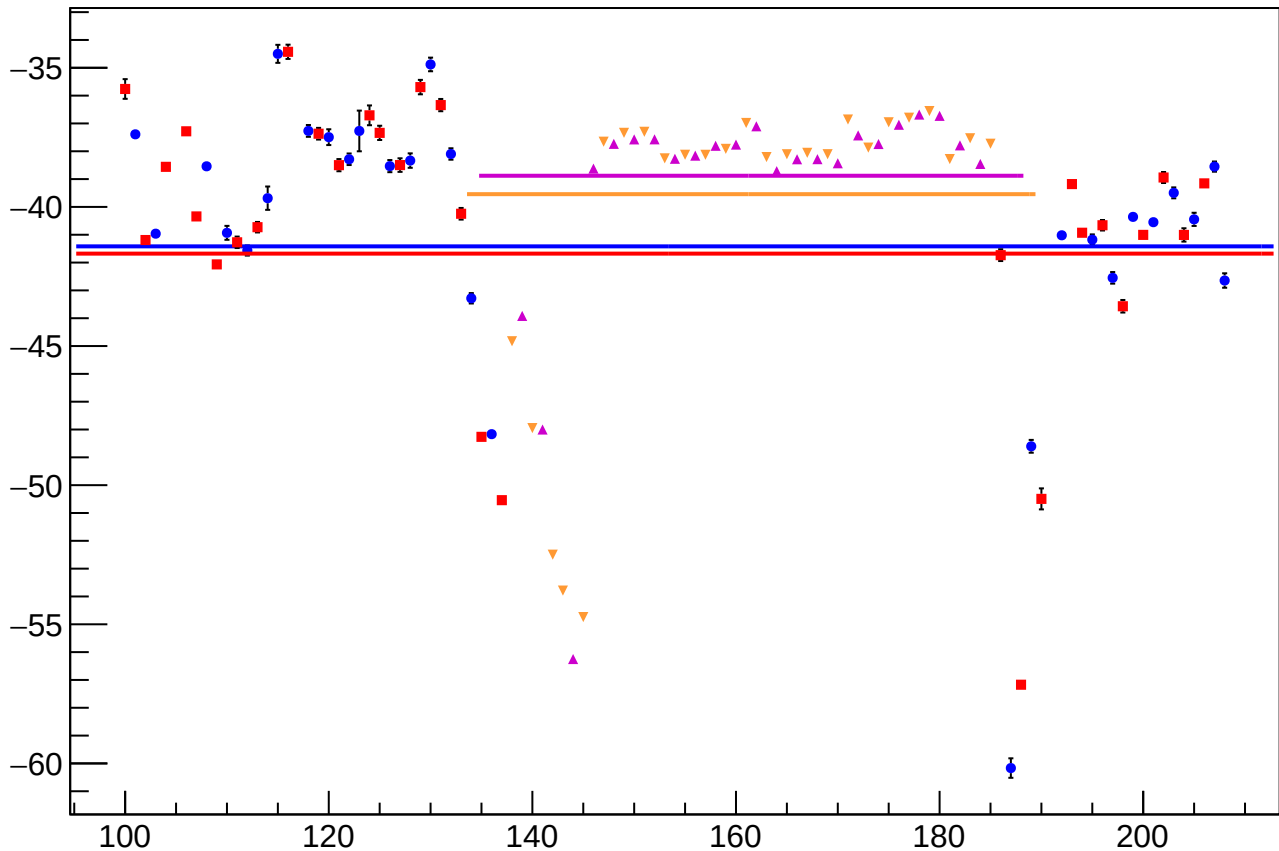
Left In: 19.530 ± 0.342 $\chi^2/\text{NDF}: 1181.3/22$

+ sign 17.063 ± 0.299 $\chi^2/\text{NDF}: 2197.6/52$

All: 16.902 ± 0.213 $\chi^2/\text{NDF}: 4190.5/105$

- sign 16.733 ± 0.305 $\chi^2/\text{NDF}: 1992.3/52$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.418 ± 0.032 χ^2/NDF : 16840.5/27

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -41.679 ± 0.032 χ^2/NDF : 23069.1/29

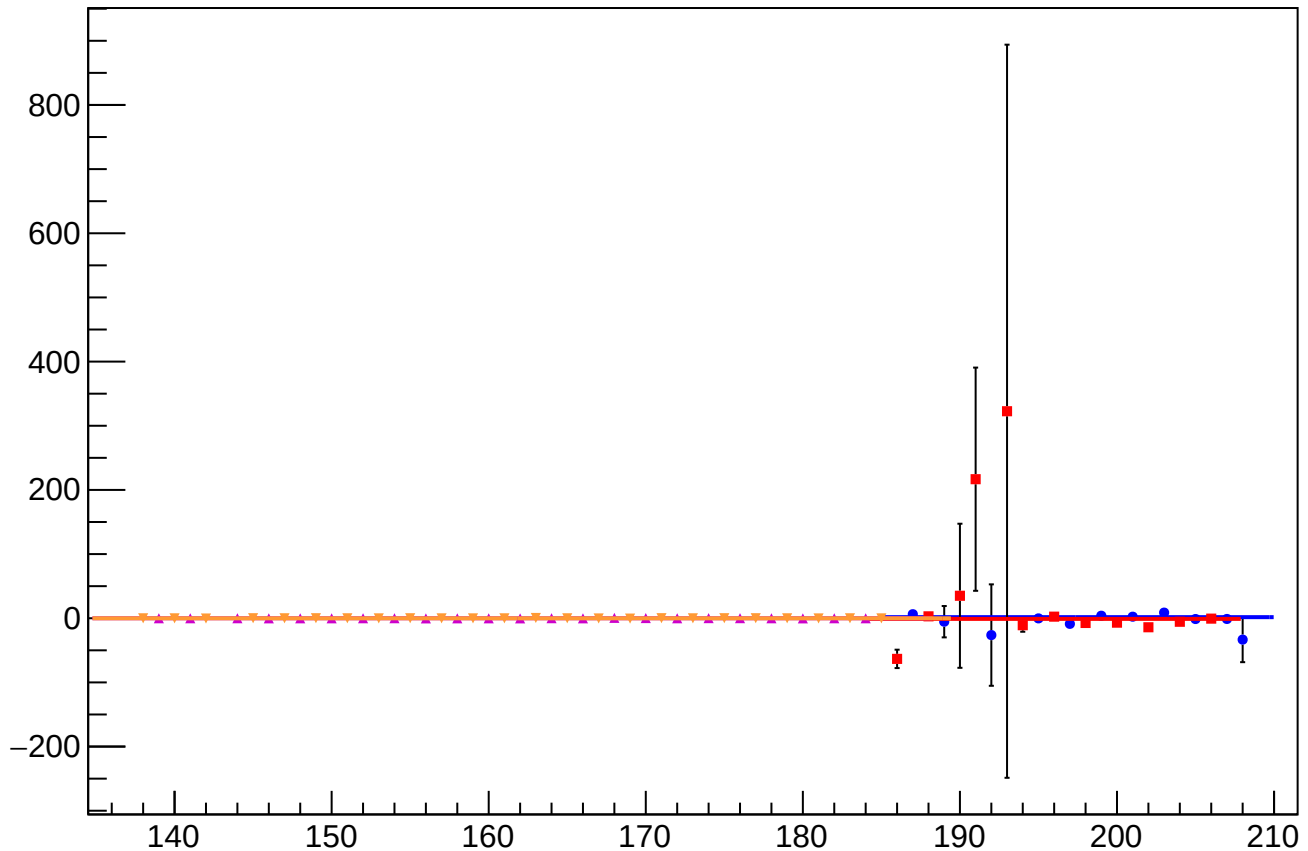
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.899 ± 0.014 χ^2/NDF : 111574.8/52

All: -39.665 ± 0.010 χ^2/NDF : 194697.3/105

- sign -39.427 ± 0.014 χ^2/NDF : 82569.5/52

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.695 ± 1.536 χ^2/NDF : 12.2/10

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.995 ± 1.422 χ^2/NDF : 32.5/11

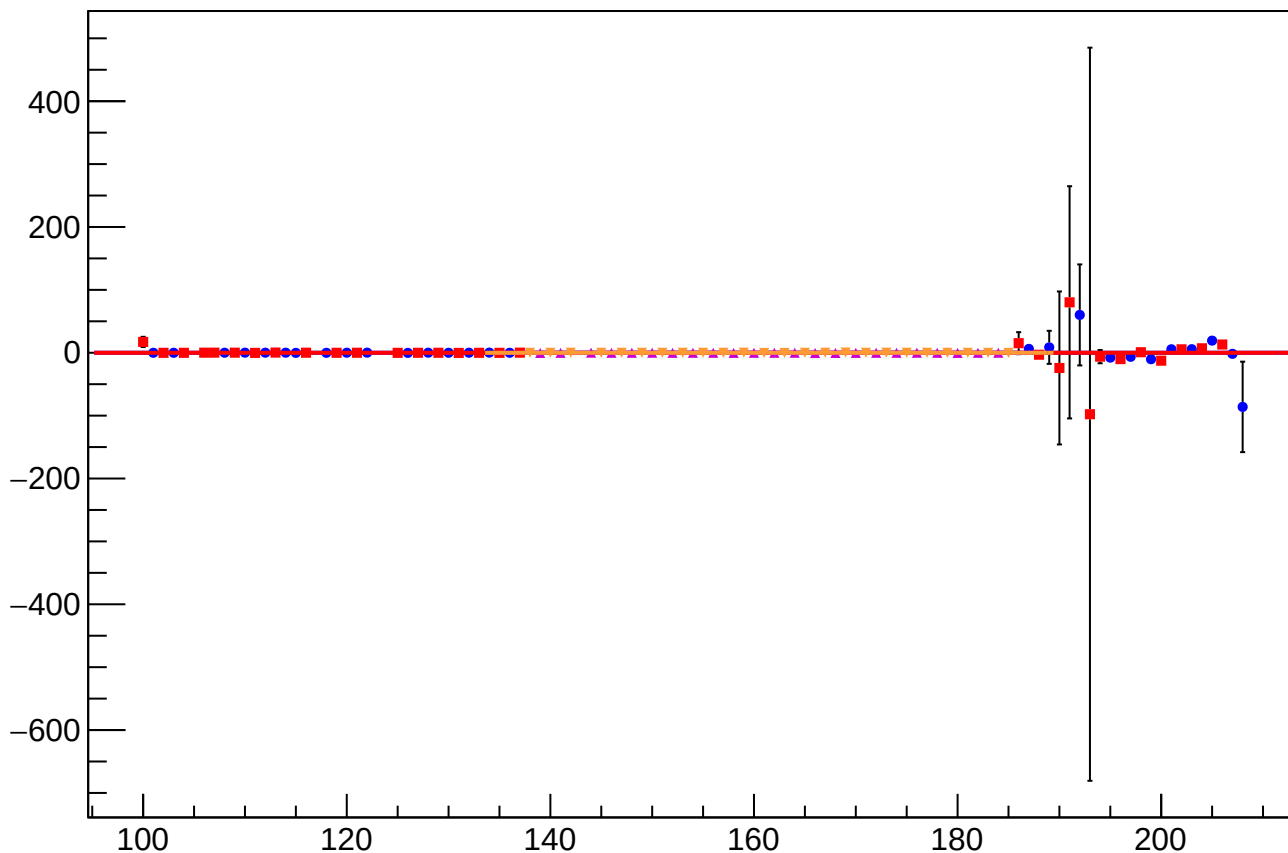
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 53.3/34

All: -0.057 ± 0.016 χ^2/NDF : 123.5/69

- 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 : 33.3/26

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 41.1/29

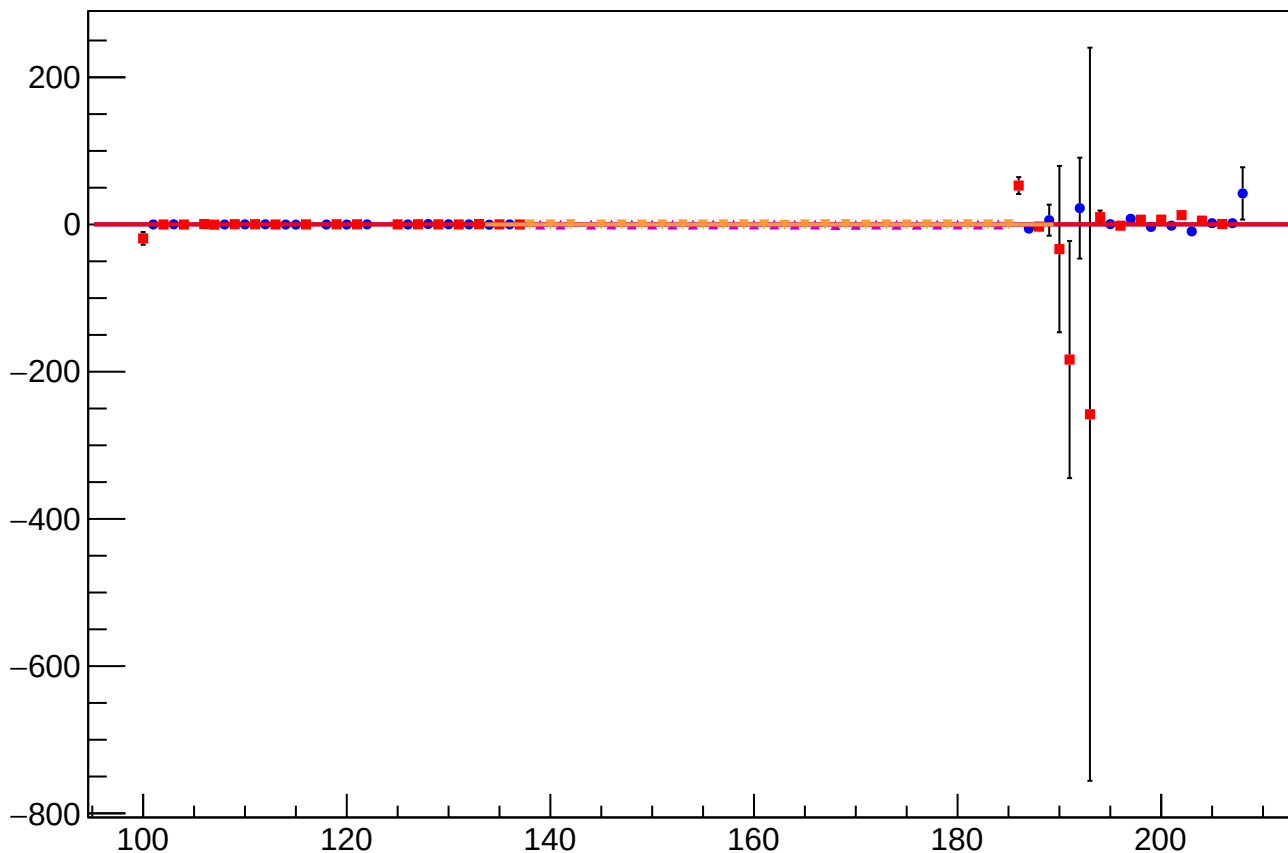
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 64.8/50

All: -0.056 ± 0.011 χ^2/NDF : 137.7/103

- 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 : 28.6/26

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.236 ± 0.054 χ^2/NDF : 57.0/29

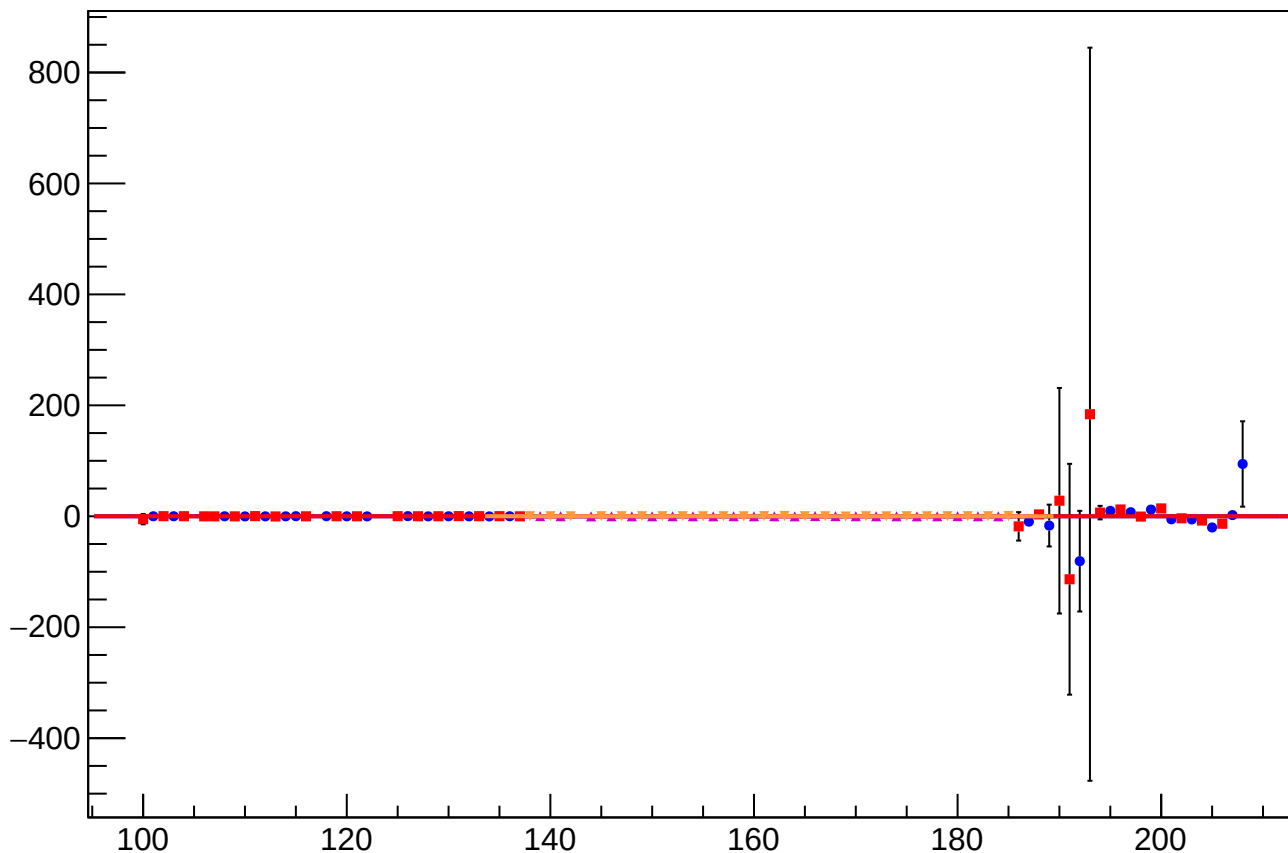
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 69.5/50

All: 0.073 ± 0.014 χ^2/NDF : 178.0/103

- 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 : 35.0/26

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.057 ± 0.034 χ^2/NDF : 34.6/29

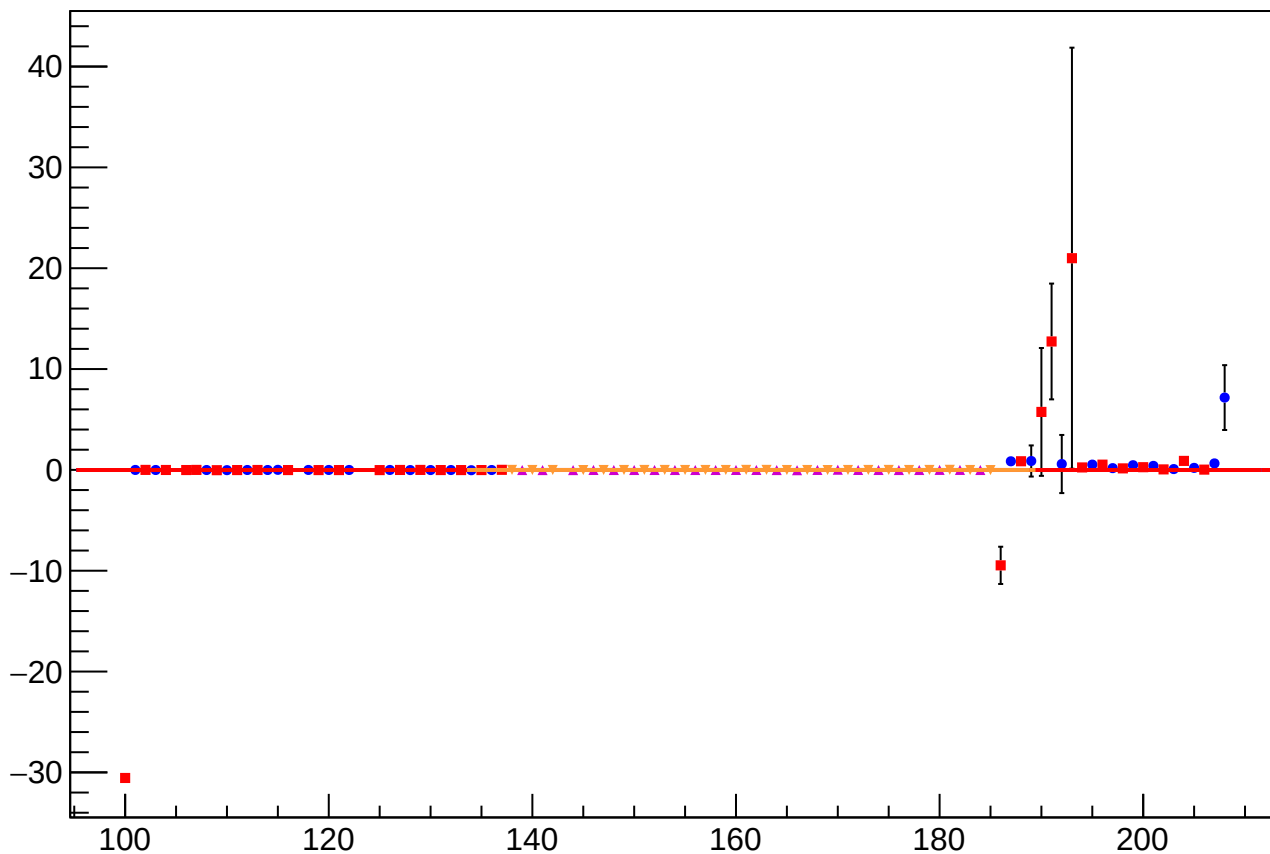
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 73.0/50

All: 0.071 ± 0.012 χ^2/NDF : 139.2/103

- 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 : 46.6/26

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11954.3/29

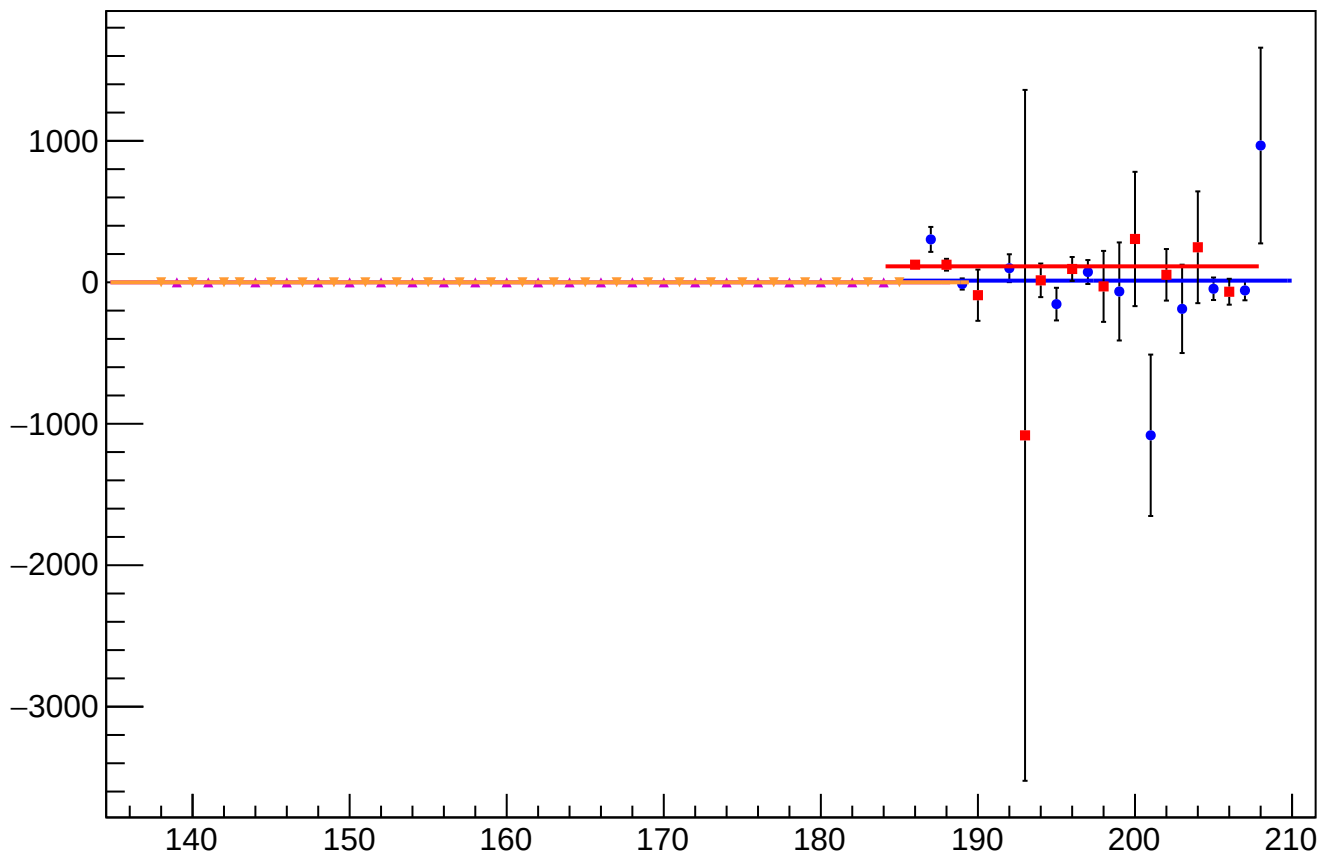
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 80.1/50

All: -0.009 ± 0.001 χ^2/NDF : 12078.0/103

- sign -0.009 ± 0.001 χ^2/NDF : 11997.6/52

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 11.895 $\pm$ 26.038 χ^2 /NDF: 22.2/10

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

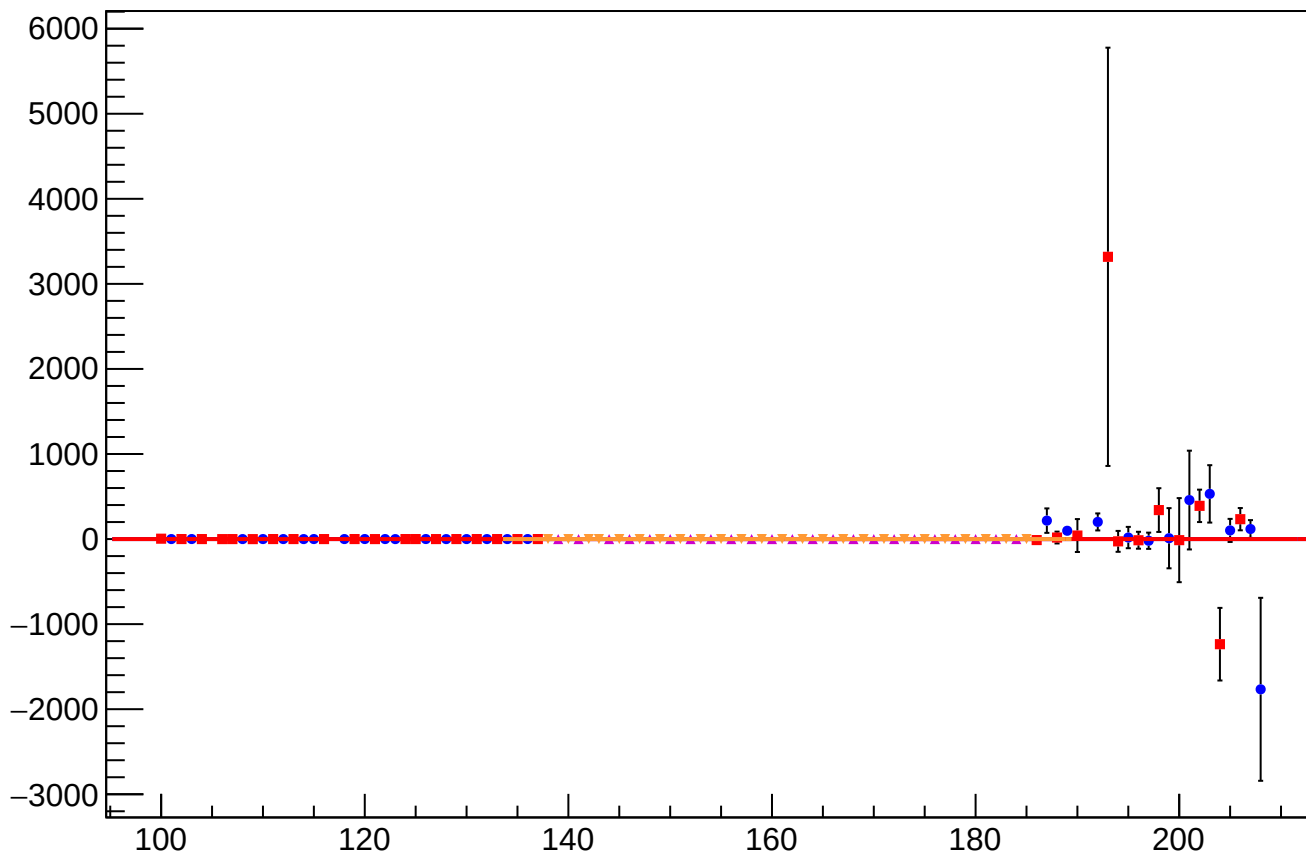
Left In: 0.002 $\pm$ 0.028 χ^2 /NDF: 29.0/22

+ sign 0.017 $\pm$ 0.027 χ^2 /NDF: 53.4/35

All: 0.010 $\pm$ 0.019 χ^2 /NDF: 138.5/69

- 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 : 41.7/27

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 38.3/29

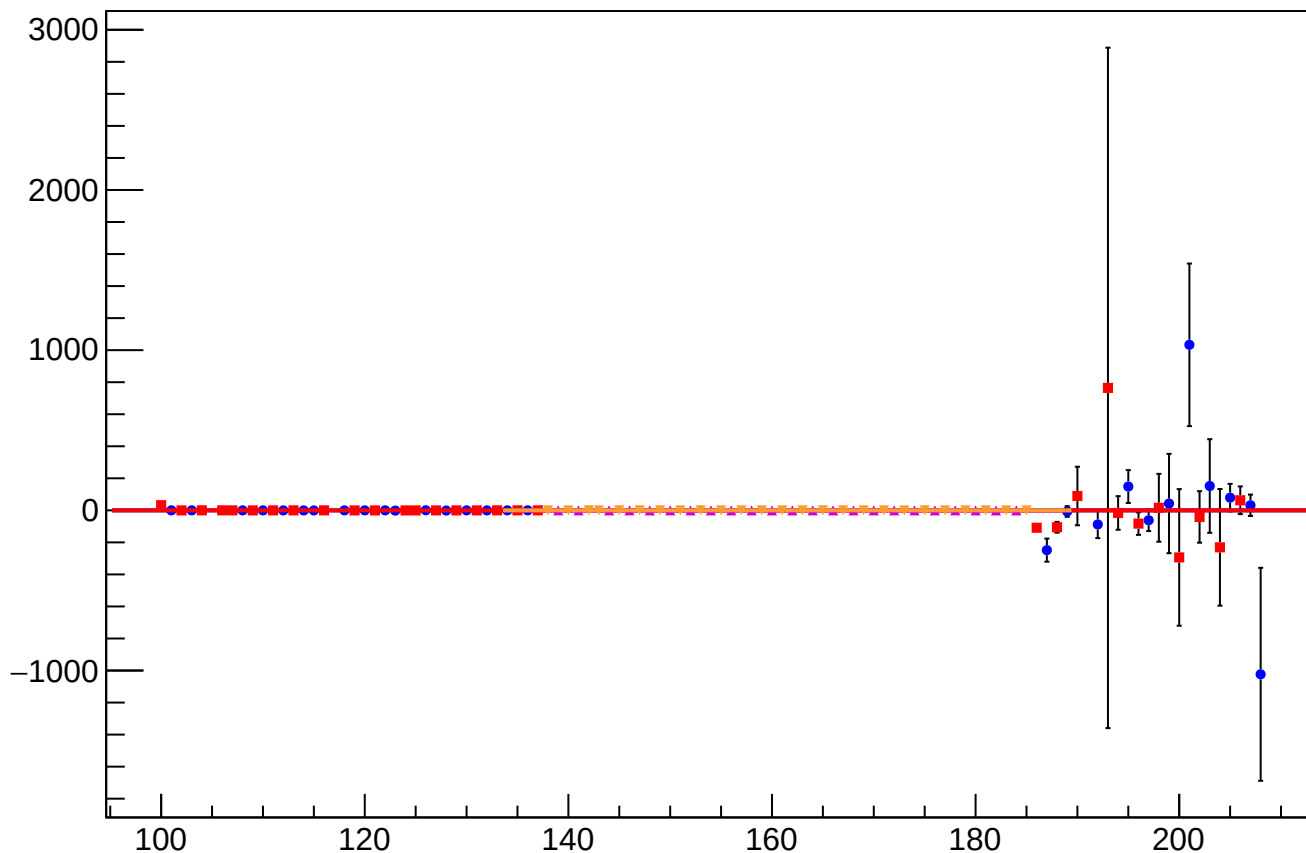
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 67.2/52

All: -0.066 ± 0.013 χ^2/NDF : 157.1/105

- 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 : 48.5/27

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 79.1/29

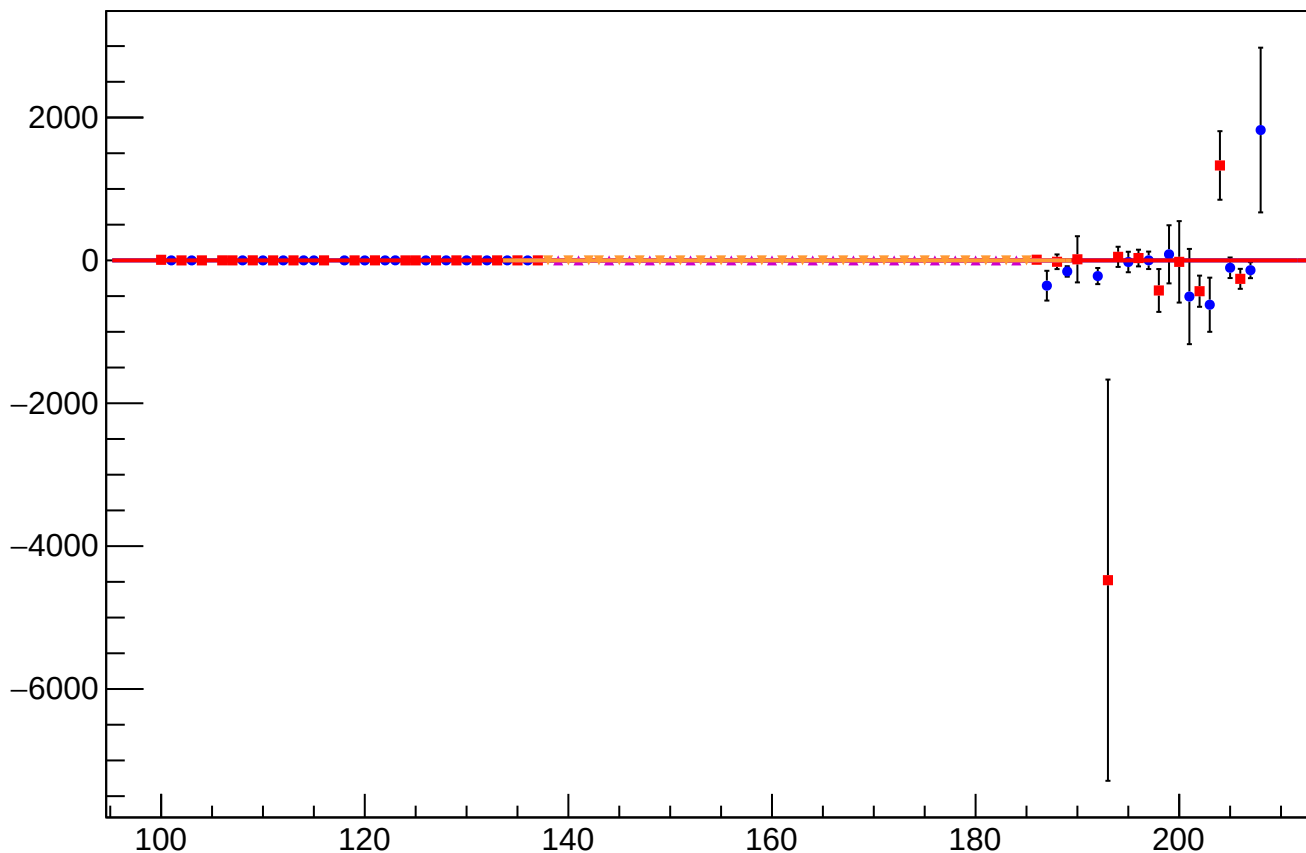
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 80.1/52

All: -0.042 ± 0.018 χ^2/NDF : 191.0/105

- 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: 40.6/27

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

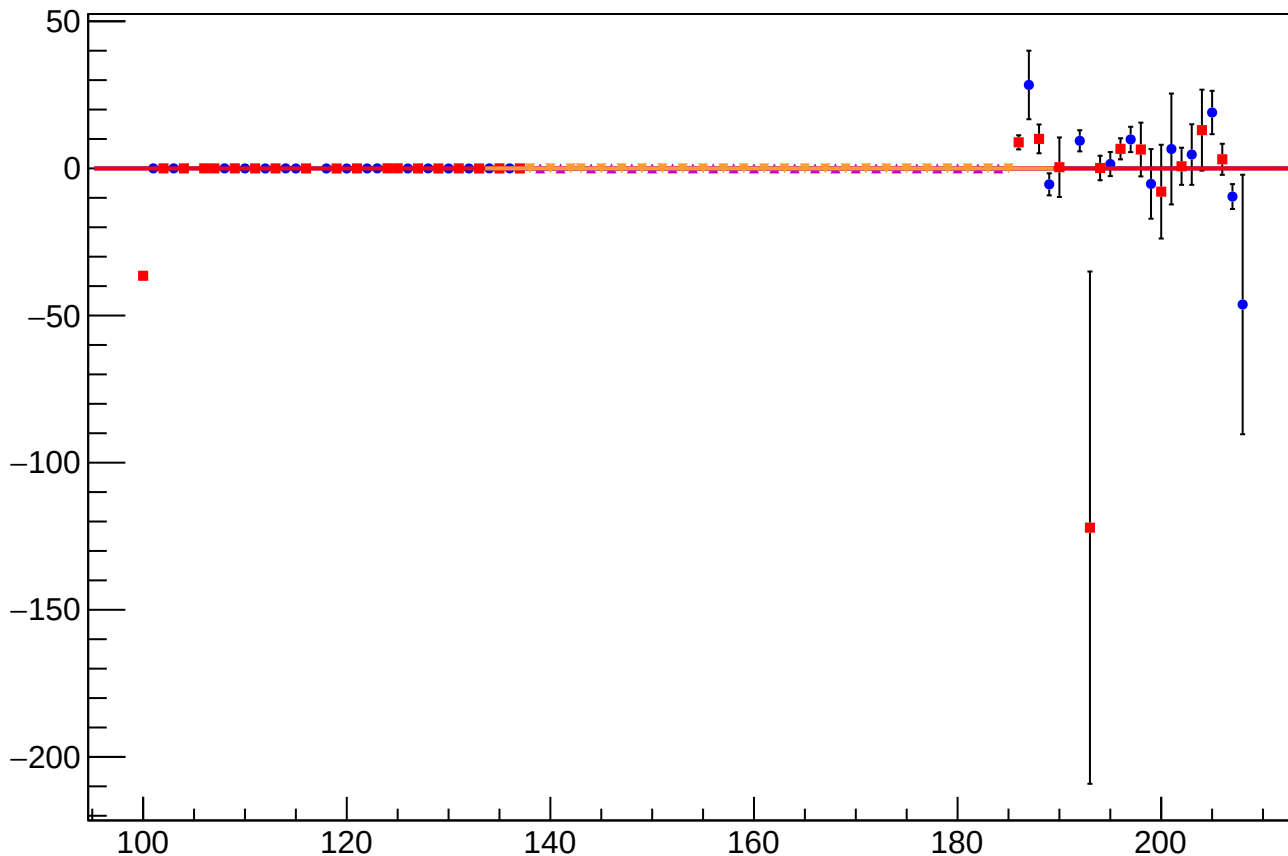
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 66.1/52

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 157.9/105

- 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 : 64.0/27

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10474.3/29

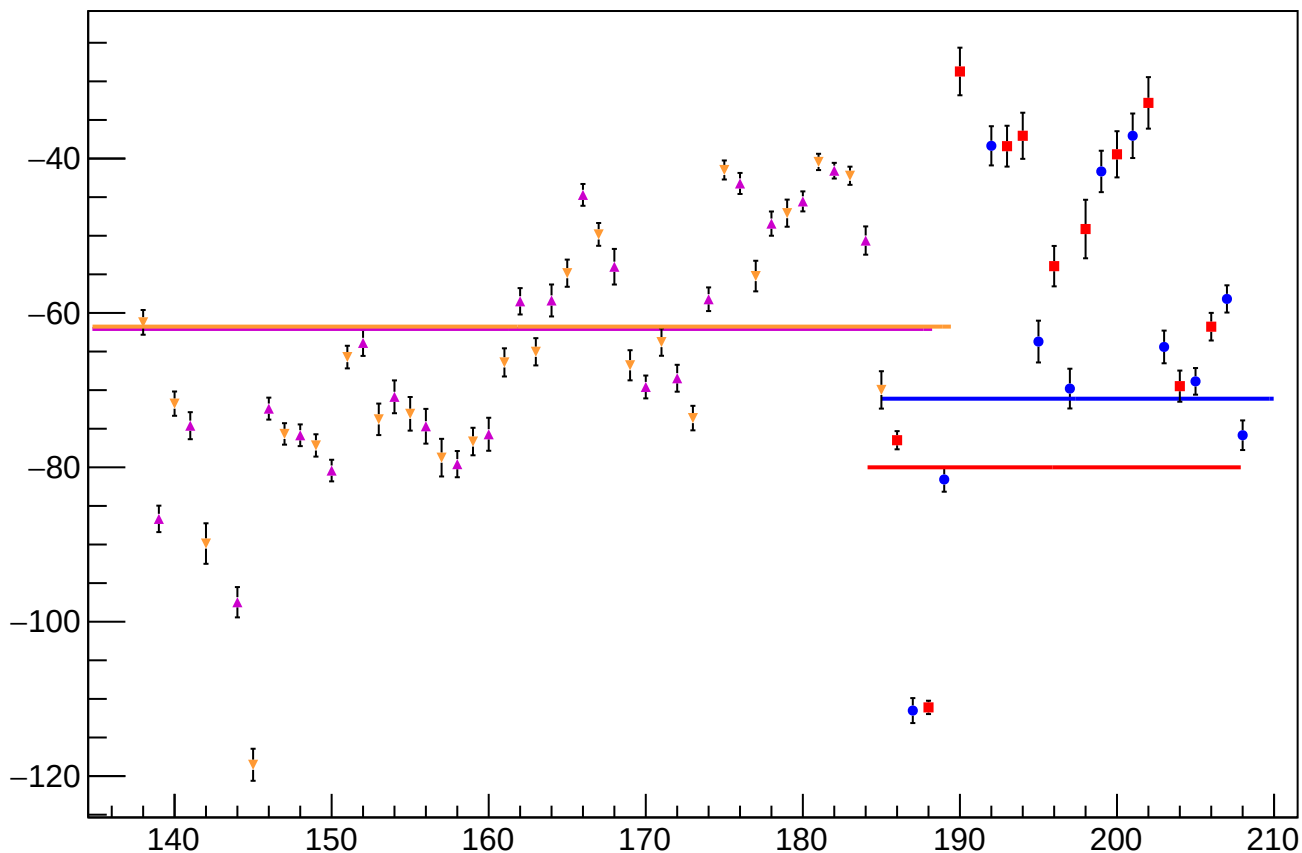
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 98.4/52

All: 0.007 ± 0.001 χ^2/NDF : 10598.2/105

- sign 0.007 ± 0.001 χ^2/NDF : 10499.7/52

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.110 ± 0.616 $\chi^2/\text{NDF}: 1173.0/10$

Left Out: -61.771 ± 0.334 $\chi^2/\text{NDF}: 2504.9/23$

Right Out: -80.000 ± 0.543 $\chi^2/\text{NDF}: 2714.9/10$

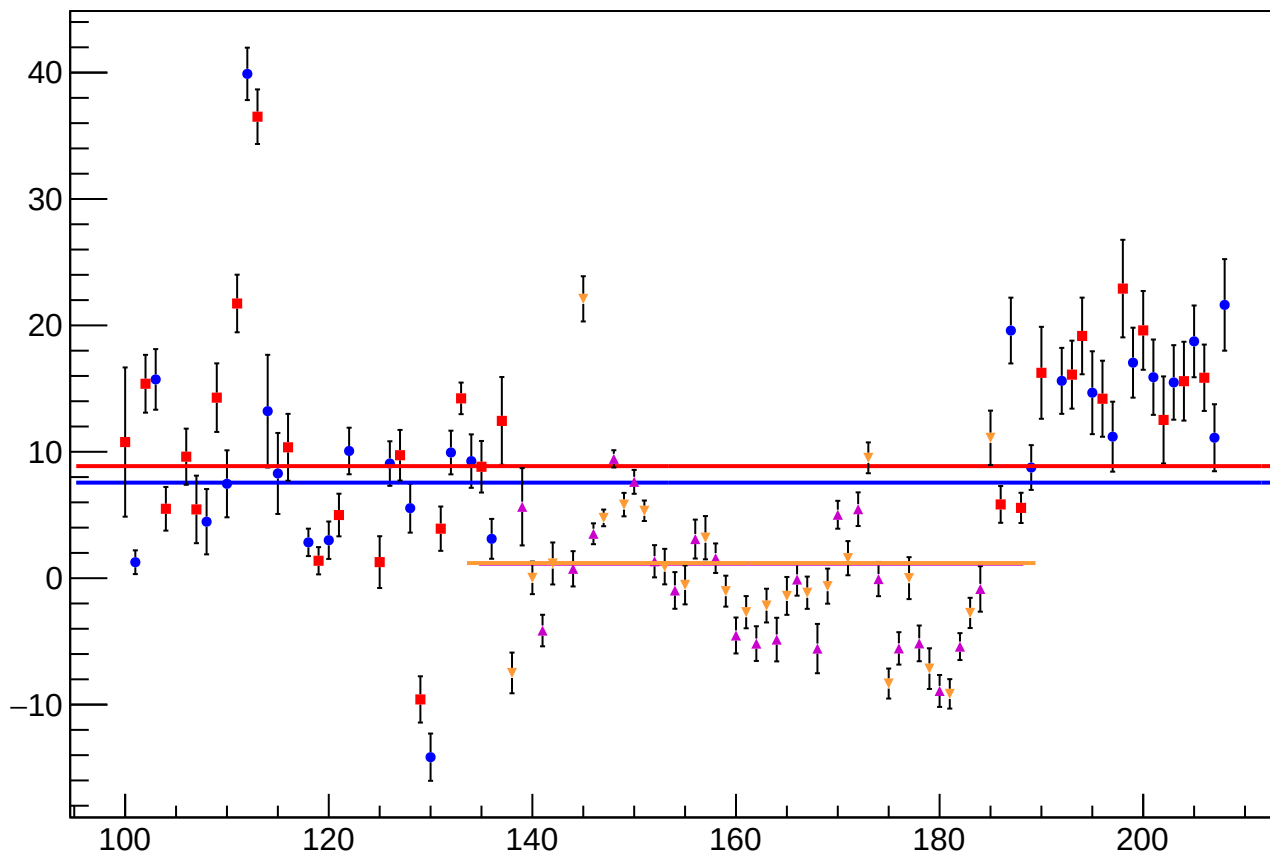
Left In: -62.073 ± 0.332 $\chi^2/\text{NDF}: 2192.0/22$

+ sign -63.890 ± 0.294 $\chi^2/\text{NDF}: 3855.4/34$

All: -65.480 ± 0.204 $\chi^2/\text{NDF}: 9612.3/68$

- sign -66.961 ± 0.283 $\chi^2/\text{NDF}: 5700.2/33$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 7.560 ± 0.379 $\chi^2/\text{NDF}: 577.5/26$

Left Out: 1.198 ± 0.253 $\chi^2/\text{NDF}: 526.3/23$

Right Out: 8.866 ± 0.379 $\chi^2/\text{NDF}: 486.3/28$

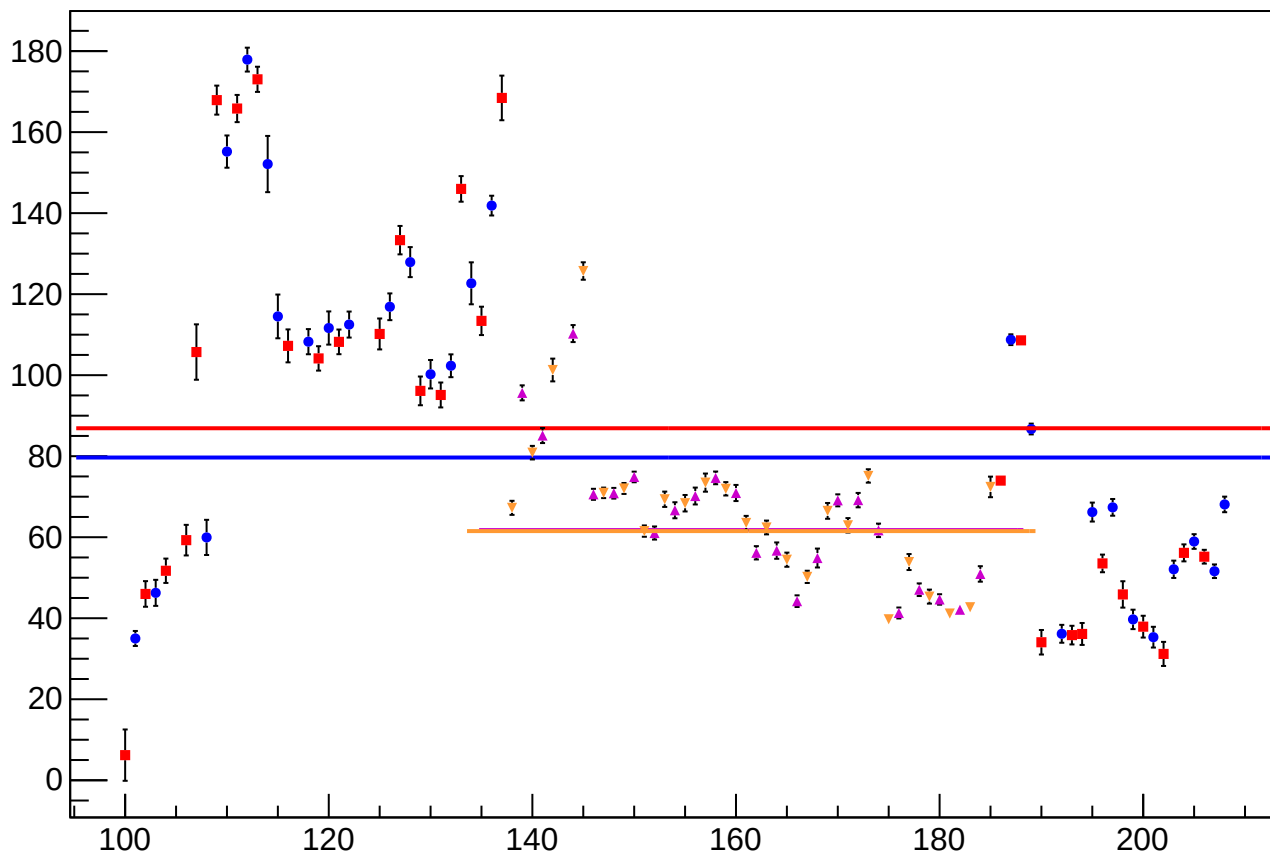
Left In: 1.146 ± 0.255 $\chi^2/\text{NDF}: 462.9/22$

+ sign 3.153 ± 0.210 $\chi^2/\text{NDF}: 1298.7/50$

All: 3.355 ± 0.149 $\chi^2/\text{NDF}: 2535.7/102$

- sign 3.560 ± 0.212 $\chi^2/\text{NDF}: 1235.1/51$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 79.674 $\pm$ 0.459 χ^2 /NDF: 5849.4/26

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

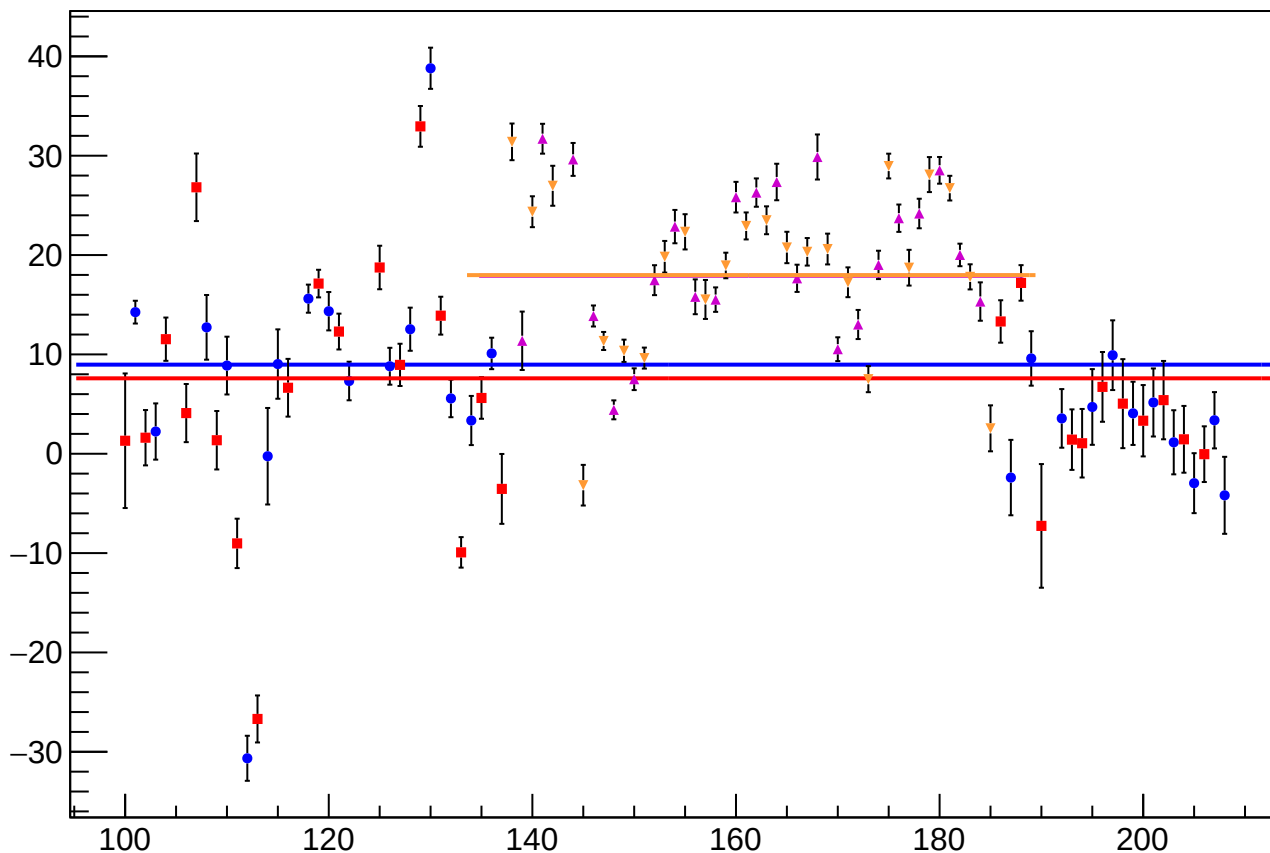
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 67.752 $\pm$ 0.269 χ^2 /NDF: 9481.6/50

All: 69.930 $\pm$ 0.185 χ^2 /NDF: 21631.8/102

- sign 71.884 $\pm$ 0.255 χ^2 /NDF: 12026.1/51

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 8.969 ± 0.444 χ^2/NDF : 641.1/26

Left Out: 17.980 ± 0.291 χ^2/NDF : 674.4/23

Right Out: 7.591 ± 0.453 χ^2/NDF : 748.9/28

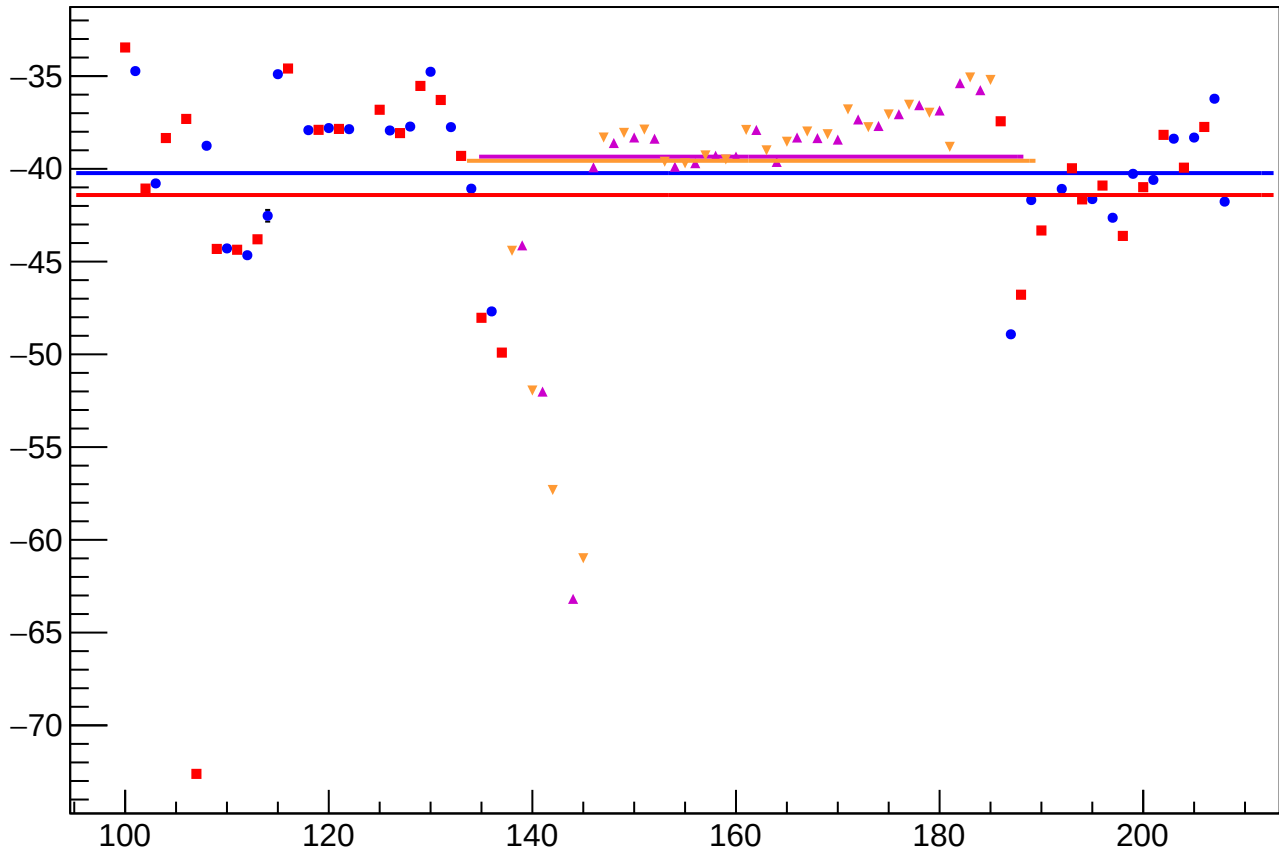
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 15.272 ± 0.243 χ^2/NDF : 1603.8/50

All: 15.077 ± 0.173 χ^2/NDF : 3447.5/102

- sign 14.878 ± 0.246 χ^2/NDF : 1842.3/51

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.229 ± 0.022 χ^2/NDF : 29430.2/26

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.411 ± 0.022 χ^2/NDF : 68553.3/28

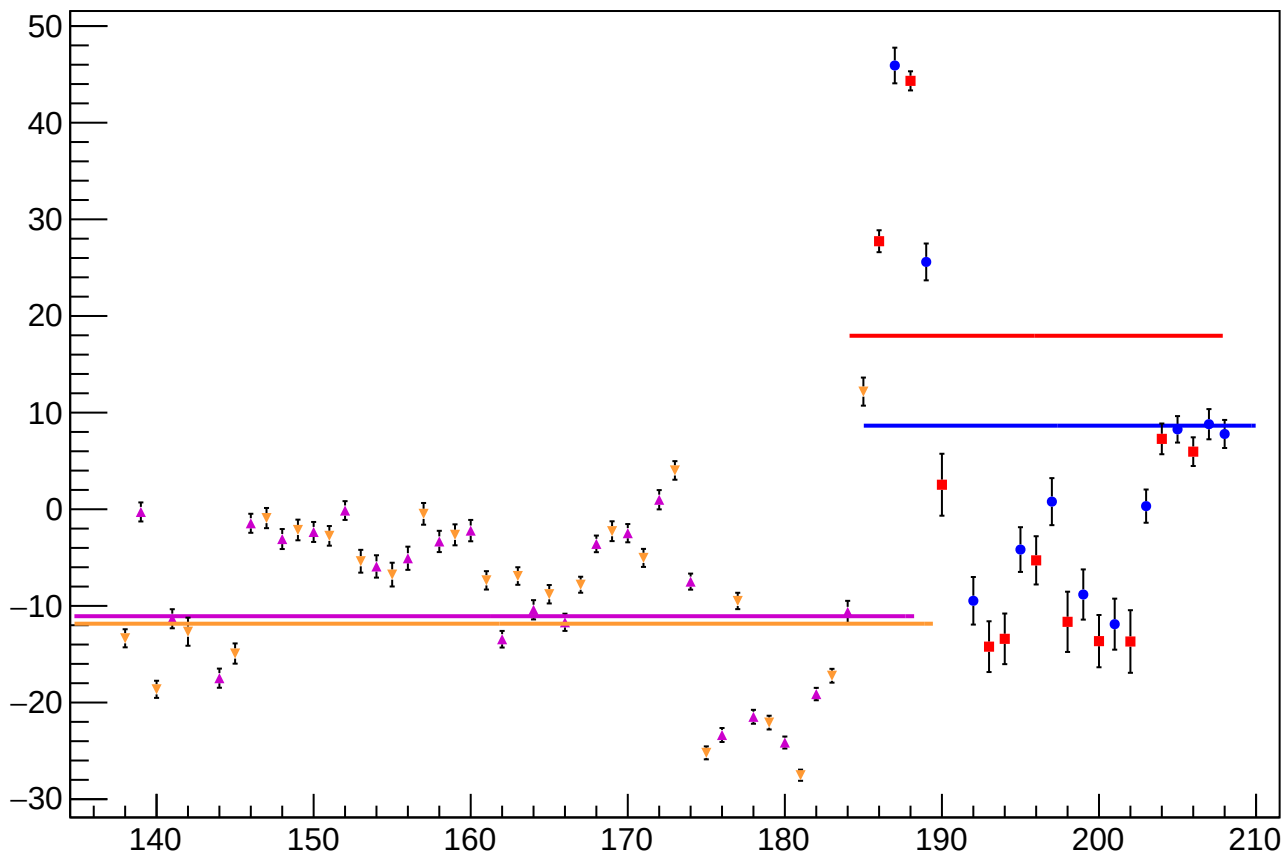
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.752 ± 0.012 χ^2/NDF : 171281.6/50

All: -39.834 ± 0.008 χ^2/NDF : 362943.6/102

- sign -39.916 ± 0.012 χ^2/NDF : 191562.4/51

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.650 $\pm$ 0.565 χ^2/NDF : 712.1/10

Left Out: -11.842 $\pm$ 0.187 χ^2/NDF : 2739.8/23

Right Out: 17.953 $\pm$ 0.532 χ^2/NDF : 1619.6/10

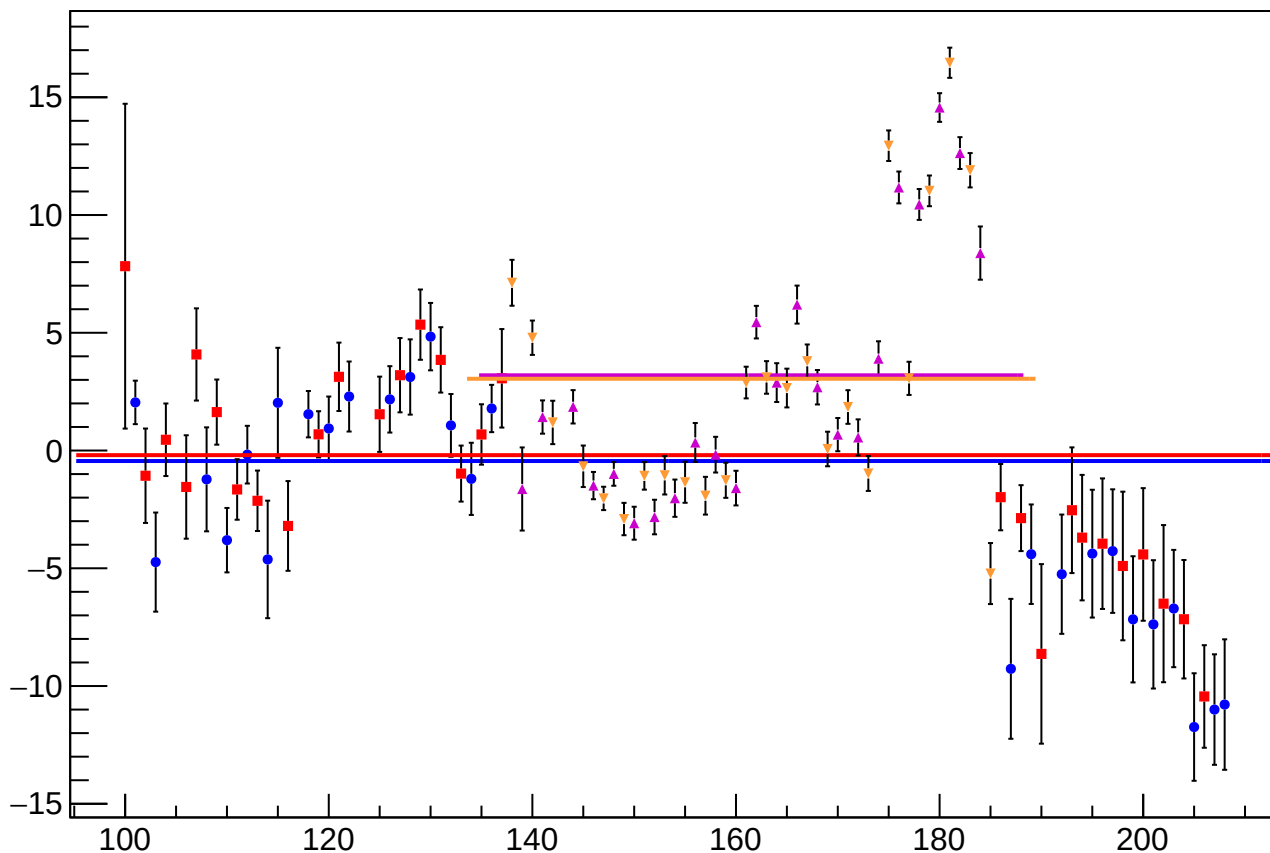
Left In: -11.067 $\pm$ 0.188 χ^2/NDF : 2104.8/22

+ sign -9.820 $\pm$ 0.177 χ^2/NDF : 4639.2/34

All: -8.834 $\pm$ 0.125 χ^2/NDF : 11068.4/68

- sign -7.849 $\pm$ 0.177 χ^2/NDF : 6367.4/33

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.446 ± 0.312 χ^2/NDF : 156.5/26

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: -0.197 ± 0.314 χ^2/NDF : 104.5/28

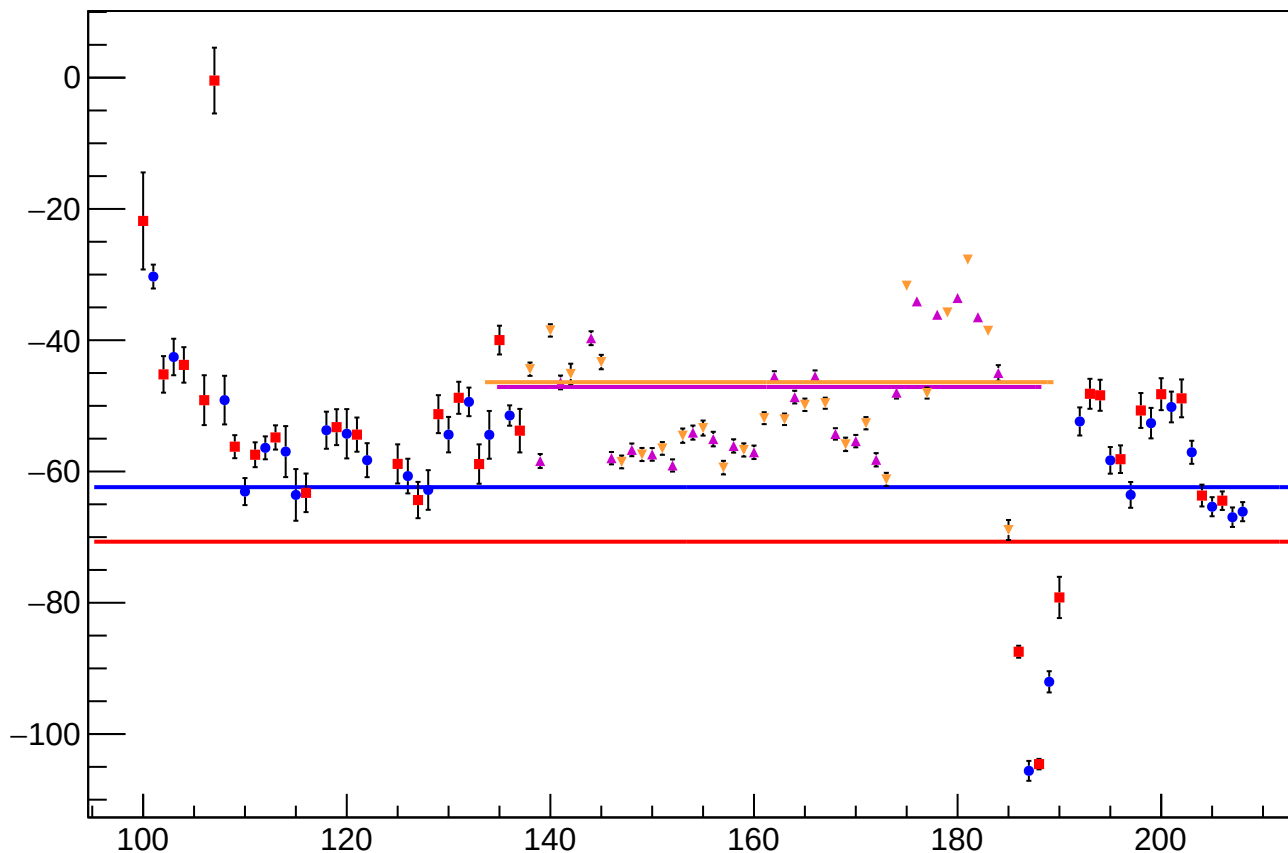
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.407 ± 0.134 χ^2/NDF : 1715.9/50

All: 2.484 ± 0.095 χ^2/NDF : 3211.3/102

- sign 2.563 ± 0.135 χ^2/NDF : 1494.7/51

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -62.387 ± 0.400 χ^2/NDF : 1754.5/26

Left Out: -46.392 ± 0.187 χ^2/NDF : 3286.7/23

Right Out: -70.696 ± 0.368 χ^2/NDF : 3725.9/28

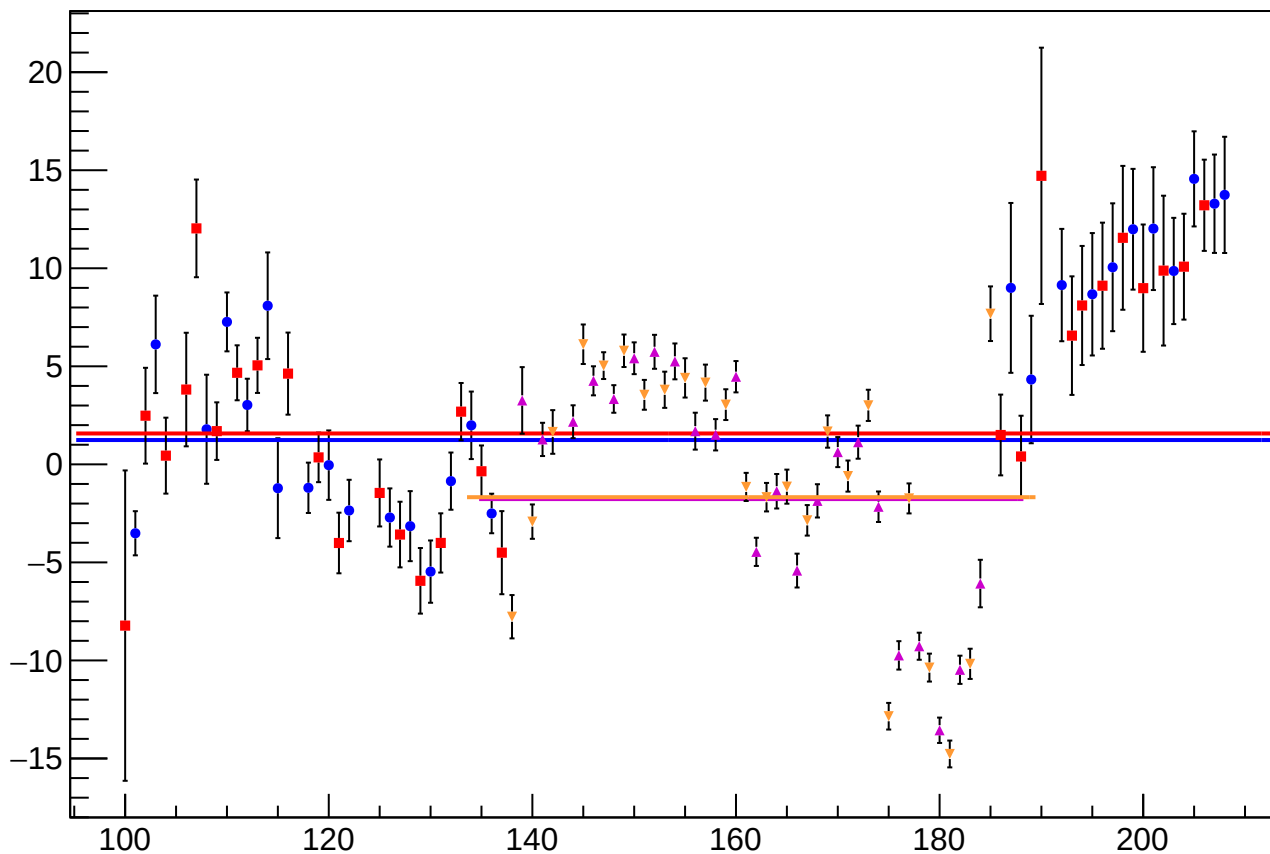
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -49.256 ± 0.169 χ^2/NDF : 6357.1/50

All: -50.635 ± 0.119 χ^2/NDF : 15993.2/102

- sign -51.978 ± 0.167 χ^2/NDF : 9504.7/51

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.240 ± 0.356 χ^2/NDF : 233.2/26

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 1.575 ± 0.362 χ^2/NDF : 174.3/28

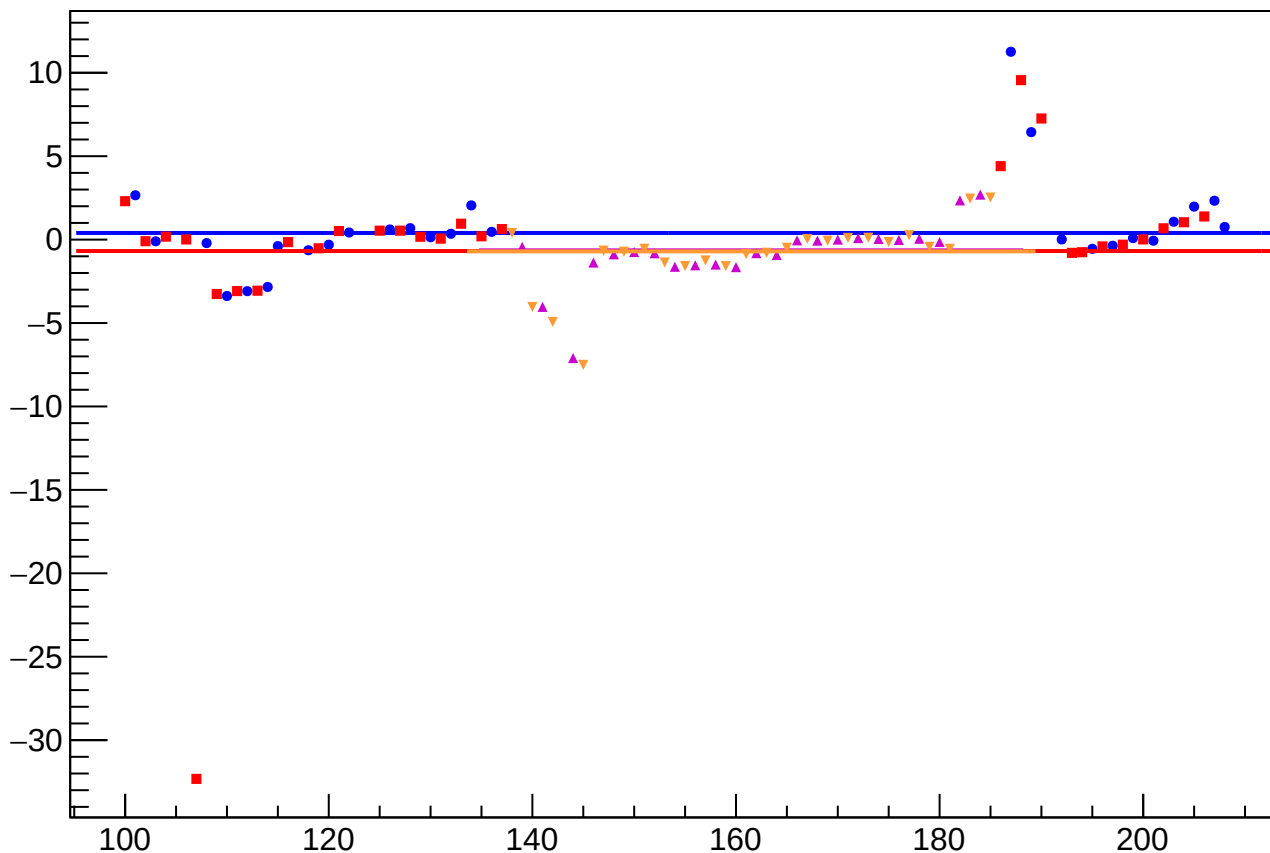
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -1.148 ± 0.151 χ^2/NDF : 1772.1/50

All: -1.161 ± 0.108 χ^2/NDF : 3267.6/102

- sign -1.174 ± 0.153 χ^2/NDF : 1495.5/51

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.399 ± 0.018 χ^2/NDF : 9957.3/26

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.684 ± 0.018 χ^2/NDF : 93365.0/28

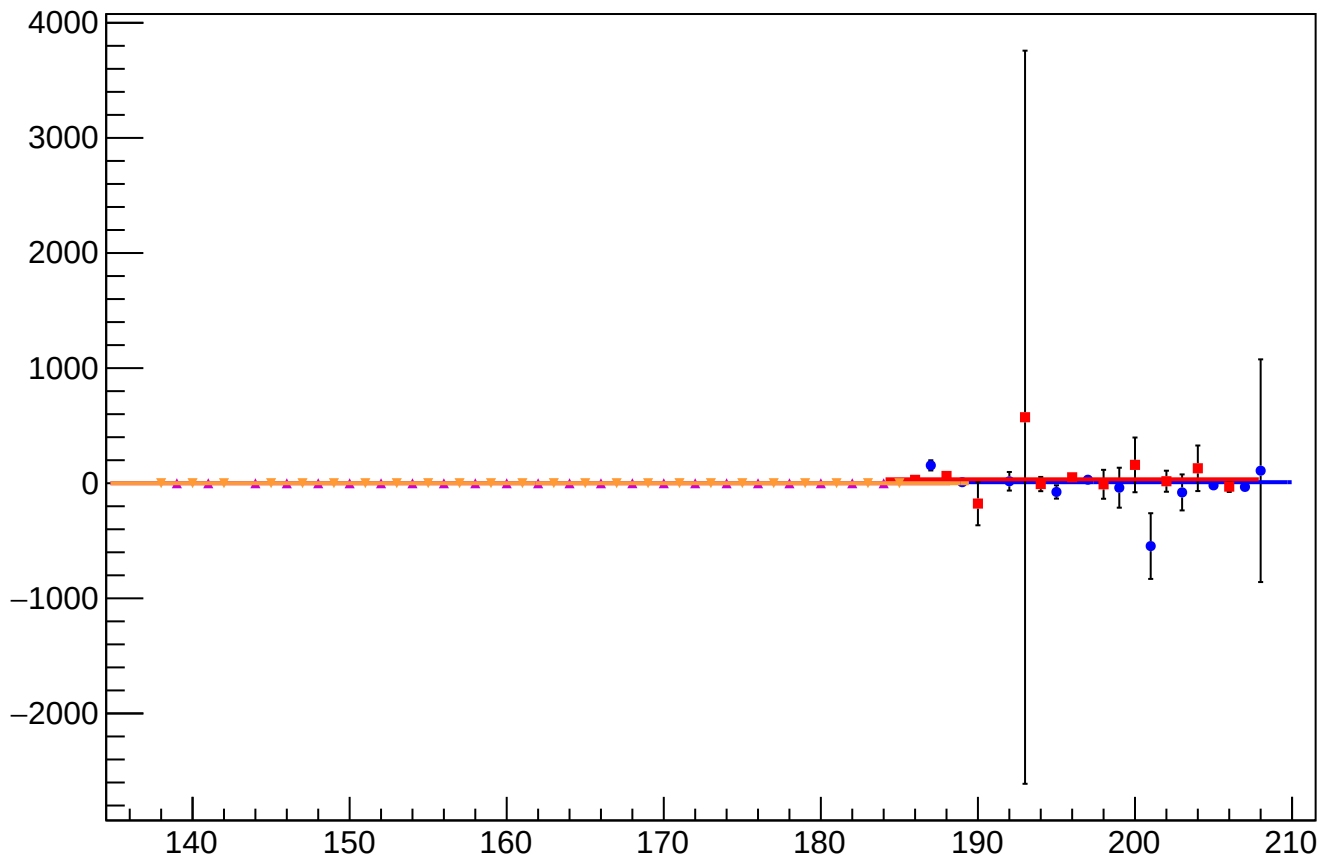
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.532 ± 0.007 χ^2/NDF : 66997.2/50

All: -0.591 ± 0.005 χ^2/NDF : 204676.8/102

- sign -0.650 ± 0.007 χ^2/NDF : 137538.3/51

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 9.021 ± 15.215 χ^2/NDF : 19.4/10

Left Out: -0.037 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 33.992 ± 9.677 χ^2/NDF : 6.6/10

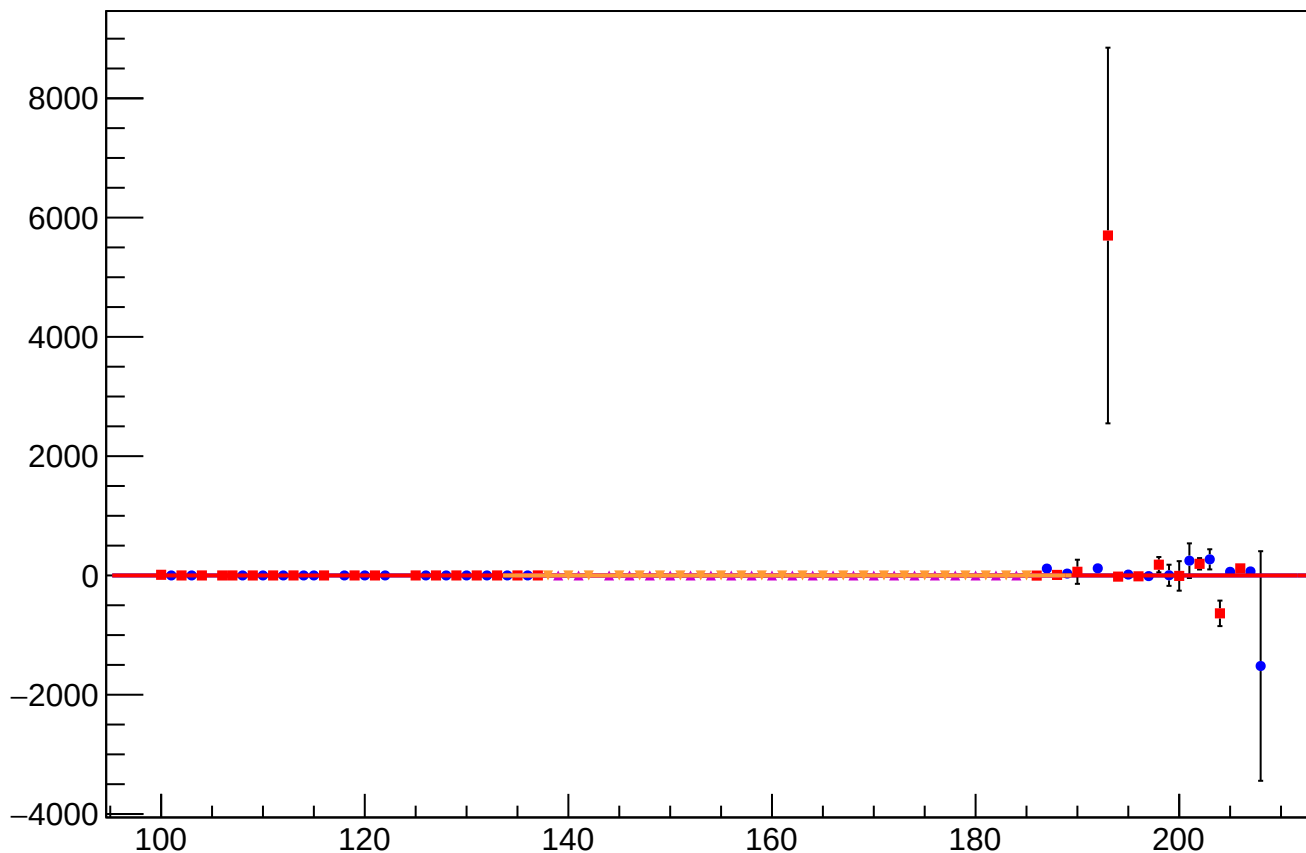
Left In: -0.010 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.037 ± 0.018 χ^2/NDF : 55.2/34

All: -0.024 ± 0.013 χ^2/NDF : 110.4/68

- 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 : 24.1/26

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 34.8/28

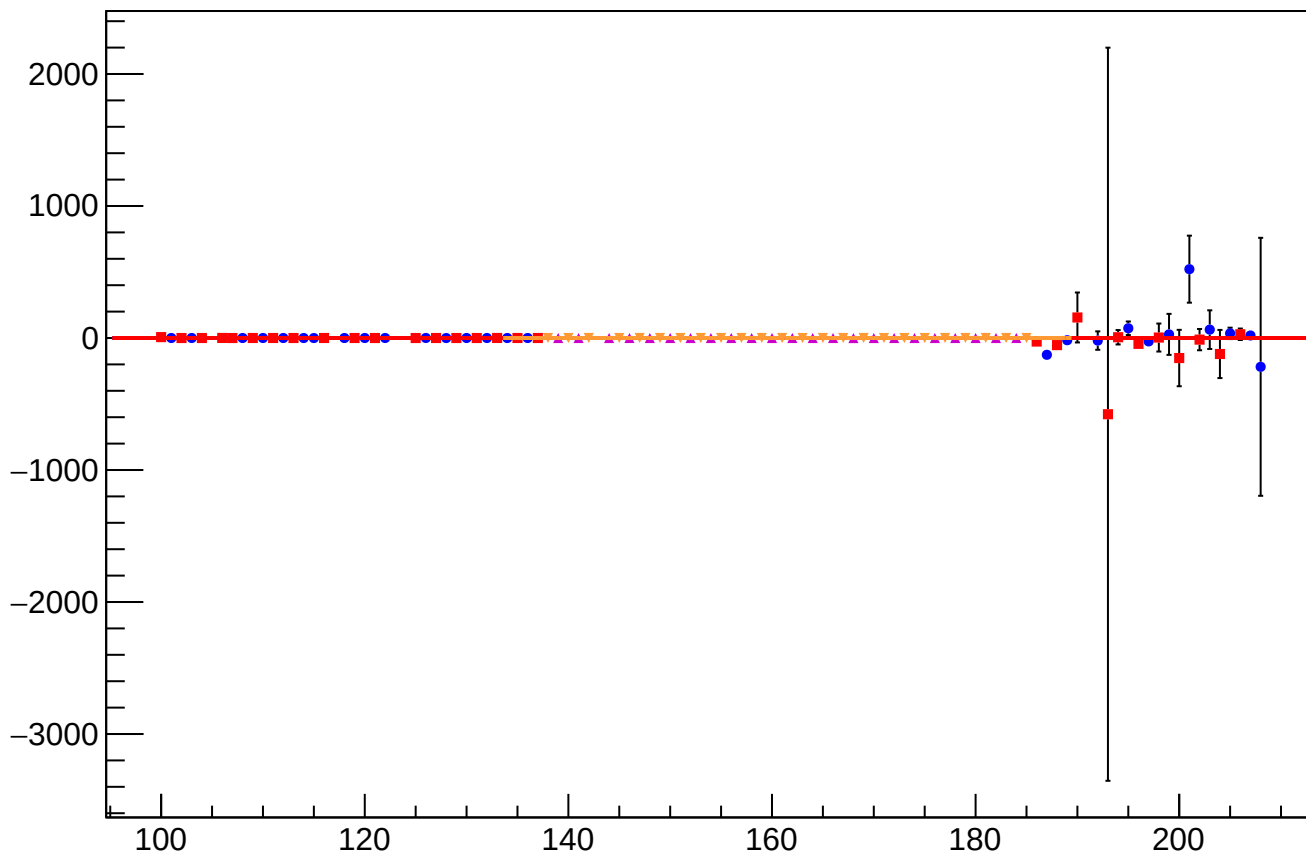
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 56.6/50

All: -0.063 ± 0.009 χ^2/NDF : 133.7/102

- 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: 30.2/26

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

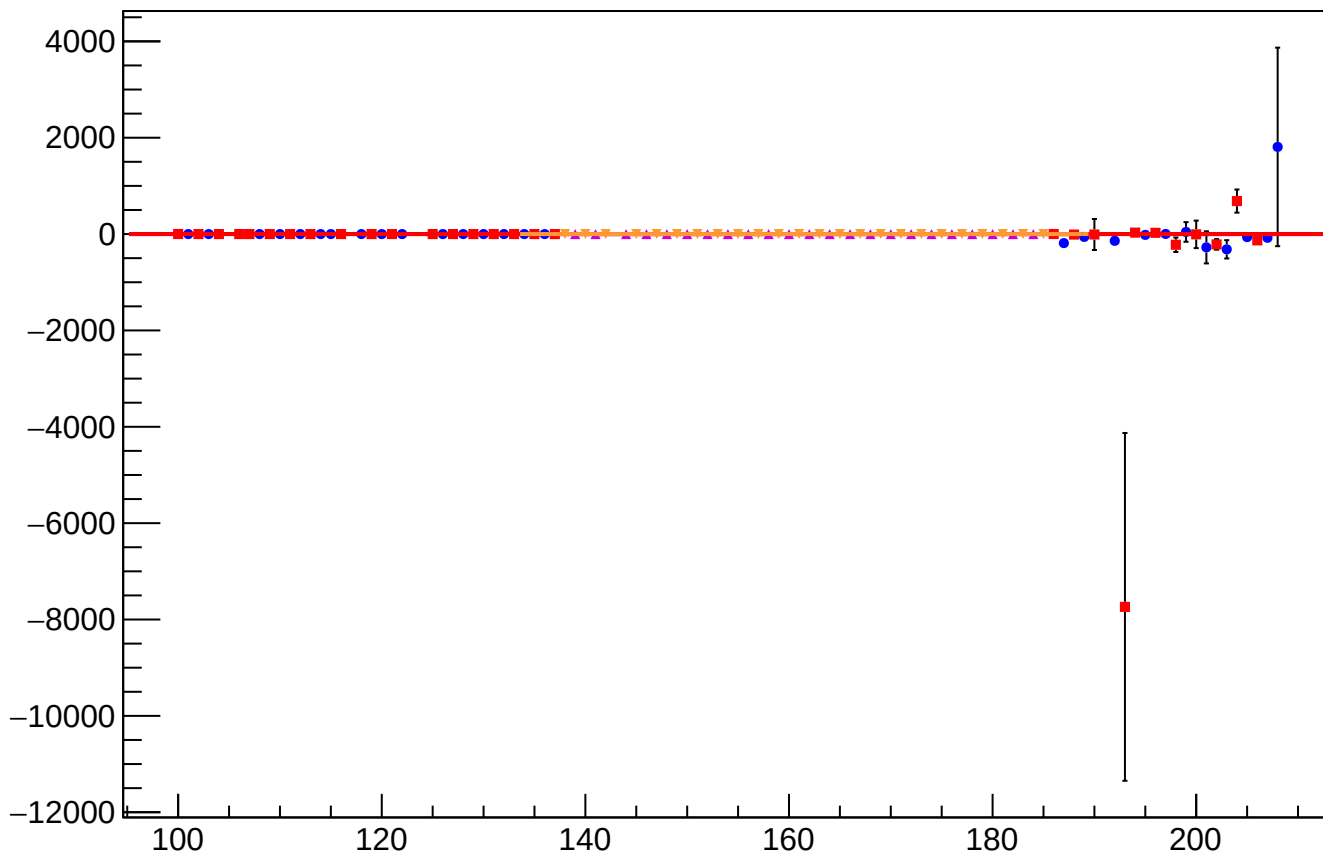
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 62.6/50

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 133.0/102

- 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: 25.5/26

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

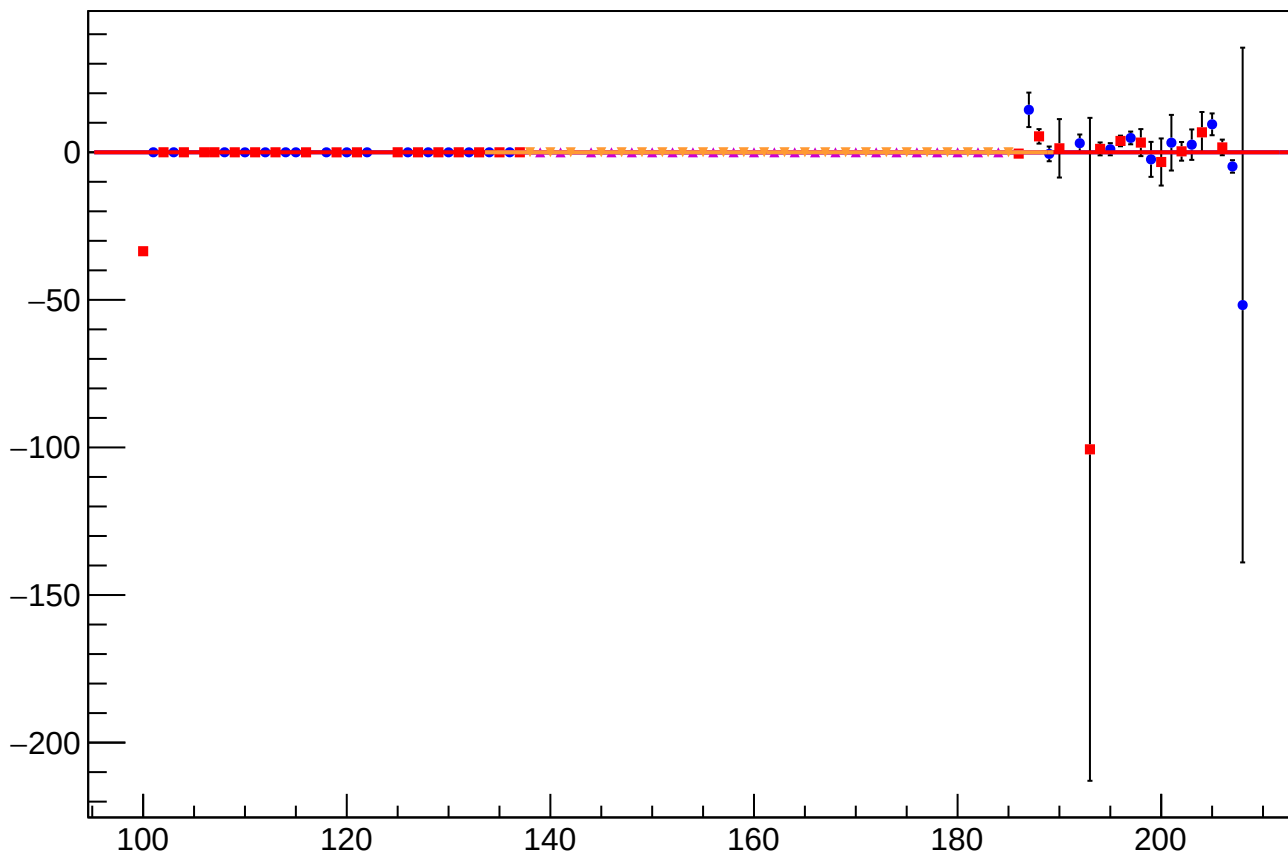
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF:44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2 /NDF: 59.3/50

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 136.4/102

- 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 : 46.6/26

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26521.6/28

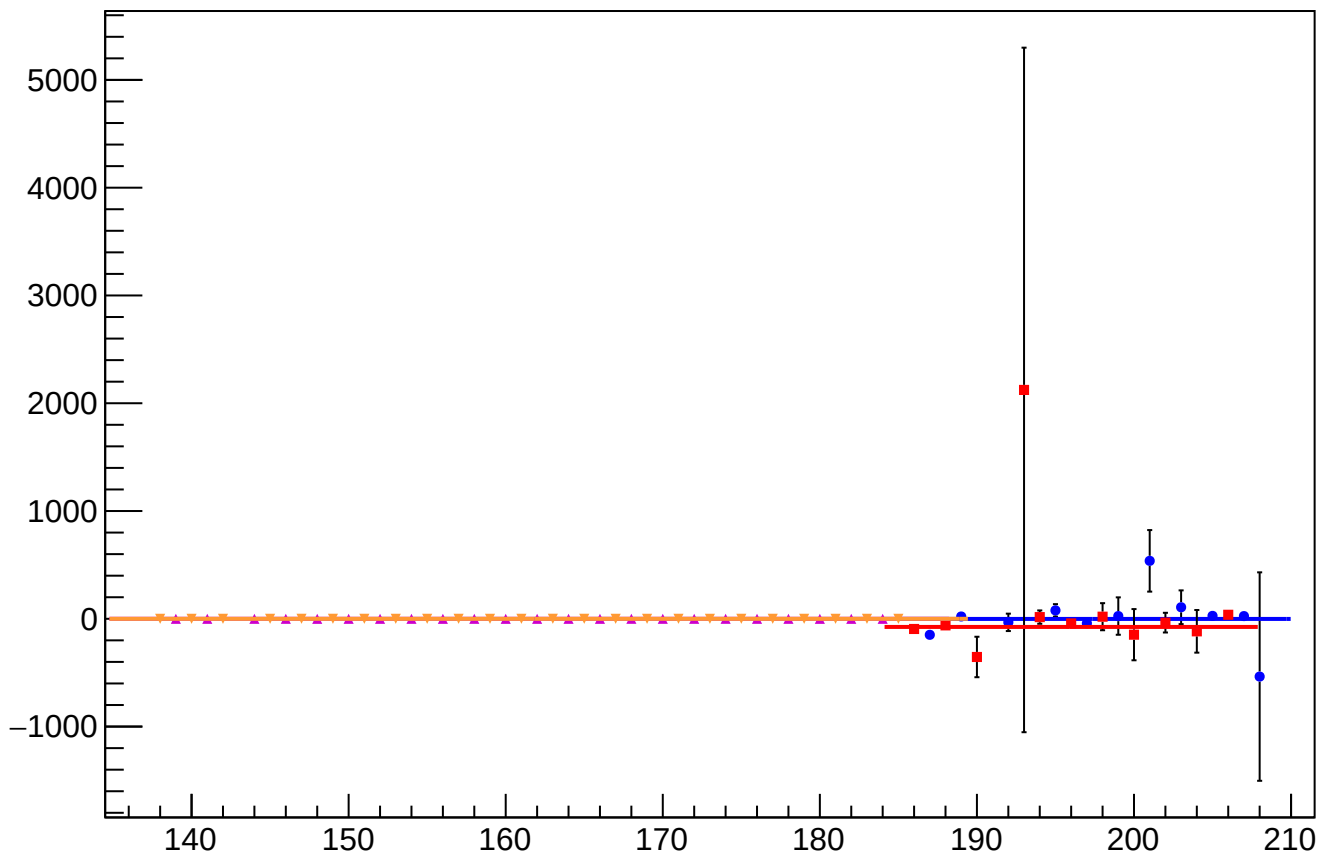
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 83.0/50

All: -0.001 ± 0.000 χ^2/NDF : 26640.9/102

- sign -0.001 ± 0.001 χ^2/NDF : 26557.8/51

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -1.222 ± 15.210 χ^2/NDF : 20.2/10

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -75.556 ± 9.679 χ^2/NDF : 15.3/10

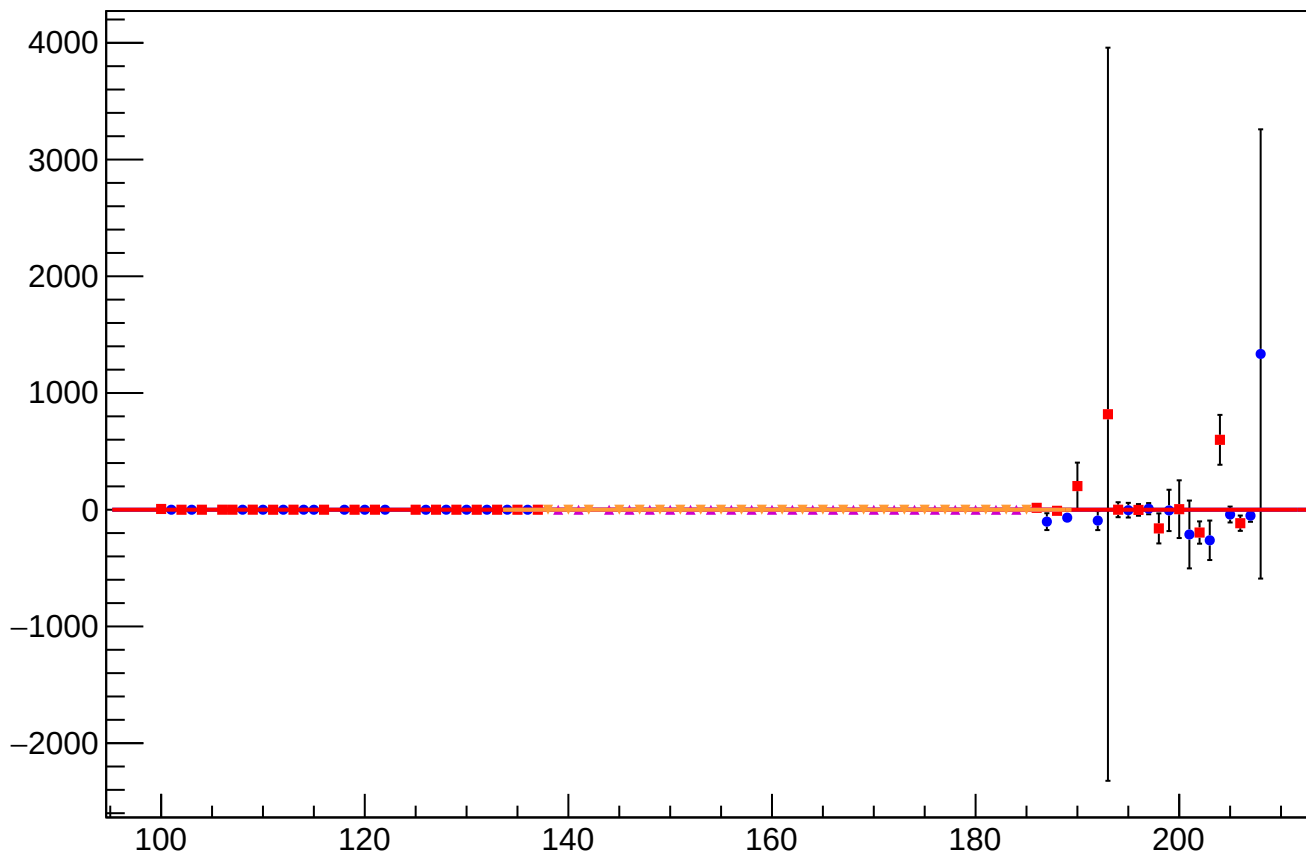
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 57.5/34

All: -0.031 ± 0.013 χ^2/NDF : 171.7/68

- sign -0.009 ± 0.018 χ^2/NDF : 111.3/33

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.007 $\pm$ 0.023 χ^2 /NDF: 37.7/26

Left Out: -0.011 $\pm$ 0.014 χ^2 /NDF: 29.6/23

Right Out: 0.037 $\pm$ 0.025 χ^2 /NDF: 47.7/28

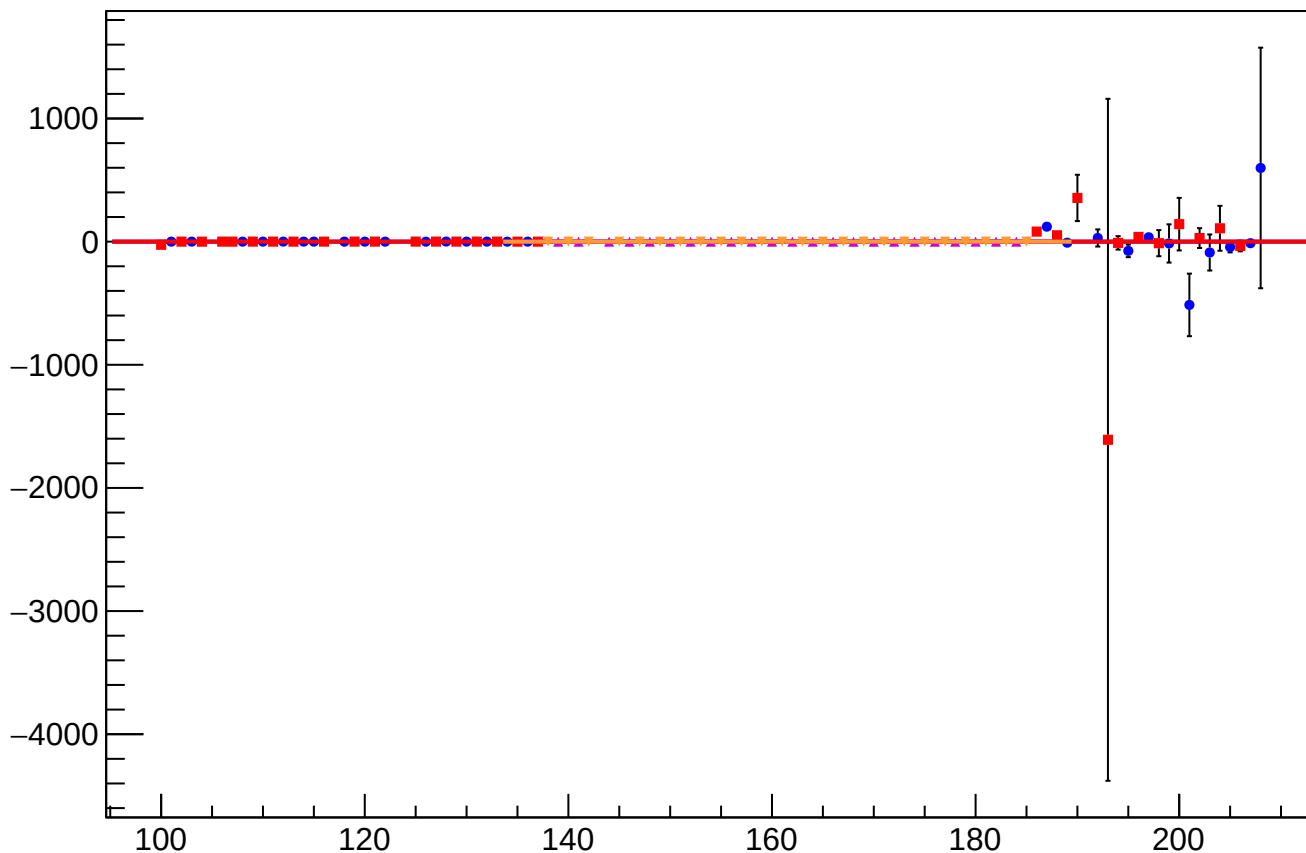
Left In: 0.005 $\pm$ 0.014 χ^2 /NDF: 49.6/22

+ sign -0.006 $\pm$ 0.012 χ^2 /NDF: 67.8/50

All: 0.003 $\pm$ 0.009 χ^2 /NDF: 167.5/102

- sign 0.013 $\pm$ 0.012 χ^2 /NDF: 98.5/51

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 ± 0.043 χ^2/NDF : 50.6/26

Left Out: 0.048 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 0.197 ± 0.045 χ^2/NDF : 108.6/28

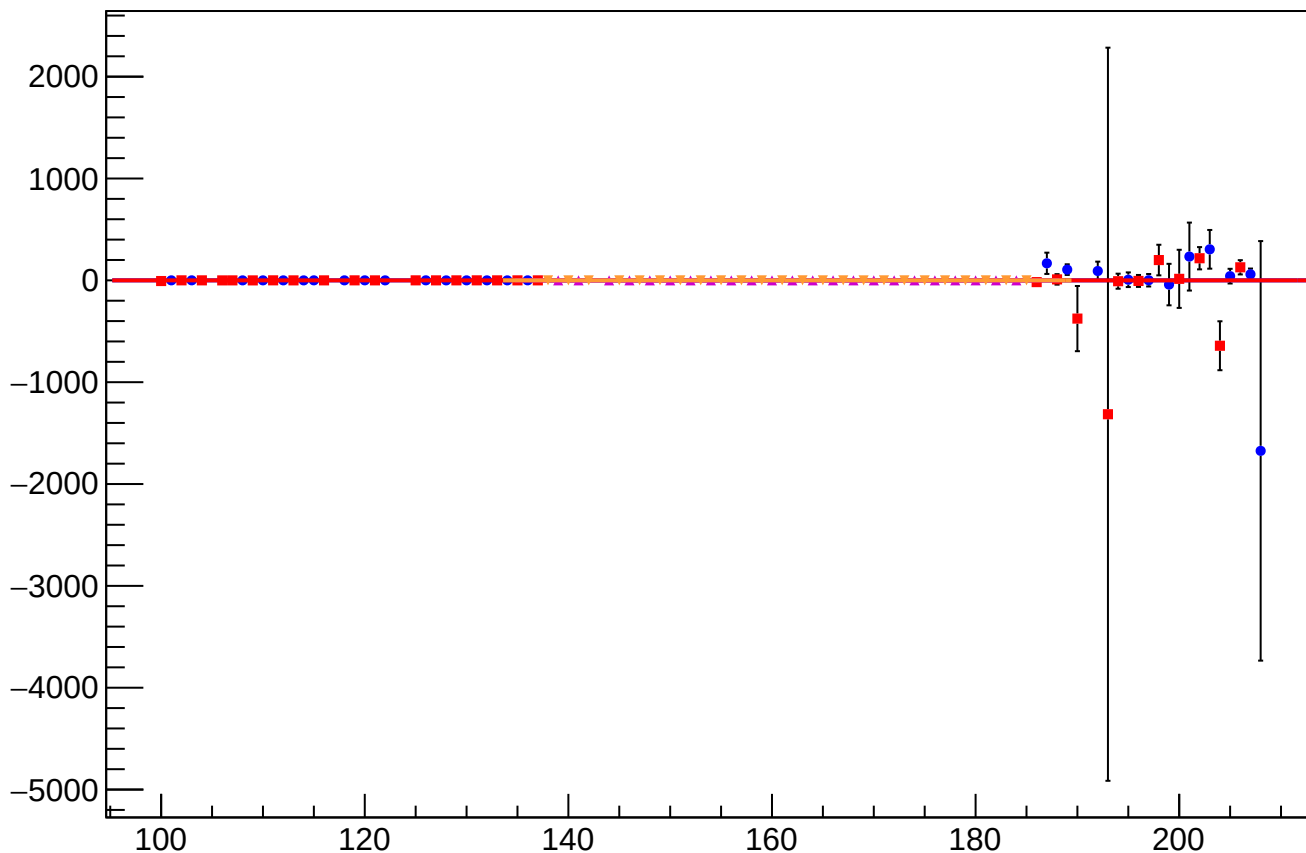
Left In: 0.020 ± 0.018 χ^2/NDF : 35.8/22

+ sign 0.064 ± 0.017 χ^2/NDF : 91.4/50

All: 0.054 ± 0.012 χ^2/NDF : 249.9/102

- sign 0.044 ± 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 : 37.5/26

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 44.6/28

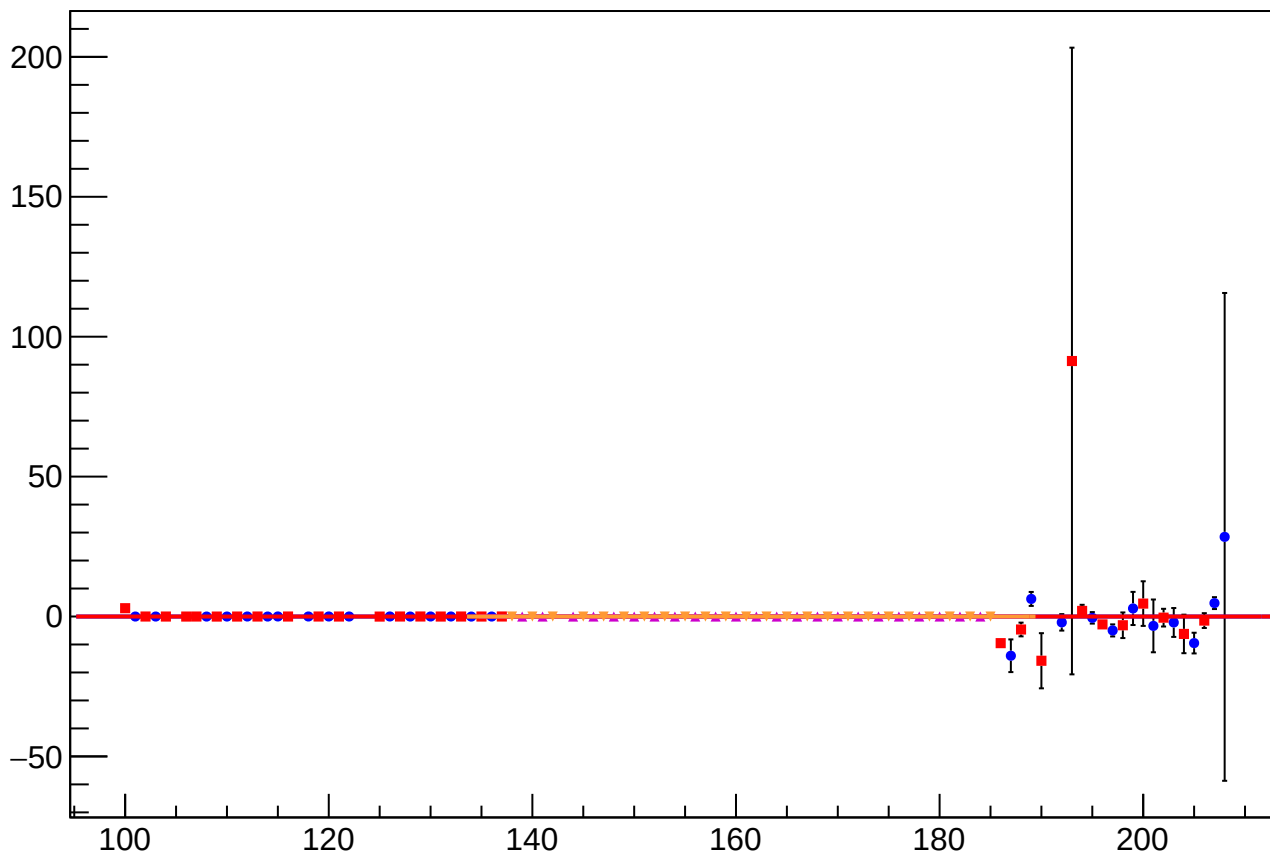
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 71.8/50

All: 0.004 ± 0.010 χ^2/NDF : 170.1/102

- 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 : 57.7/26

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 214.9/28

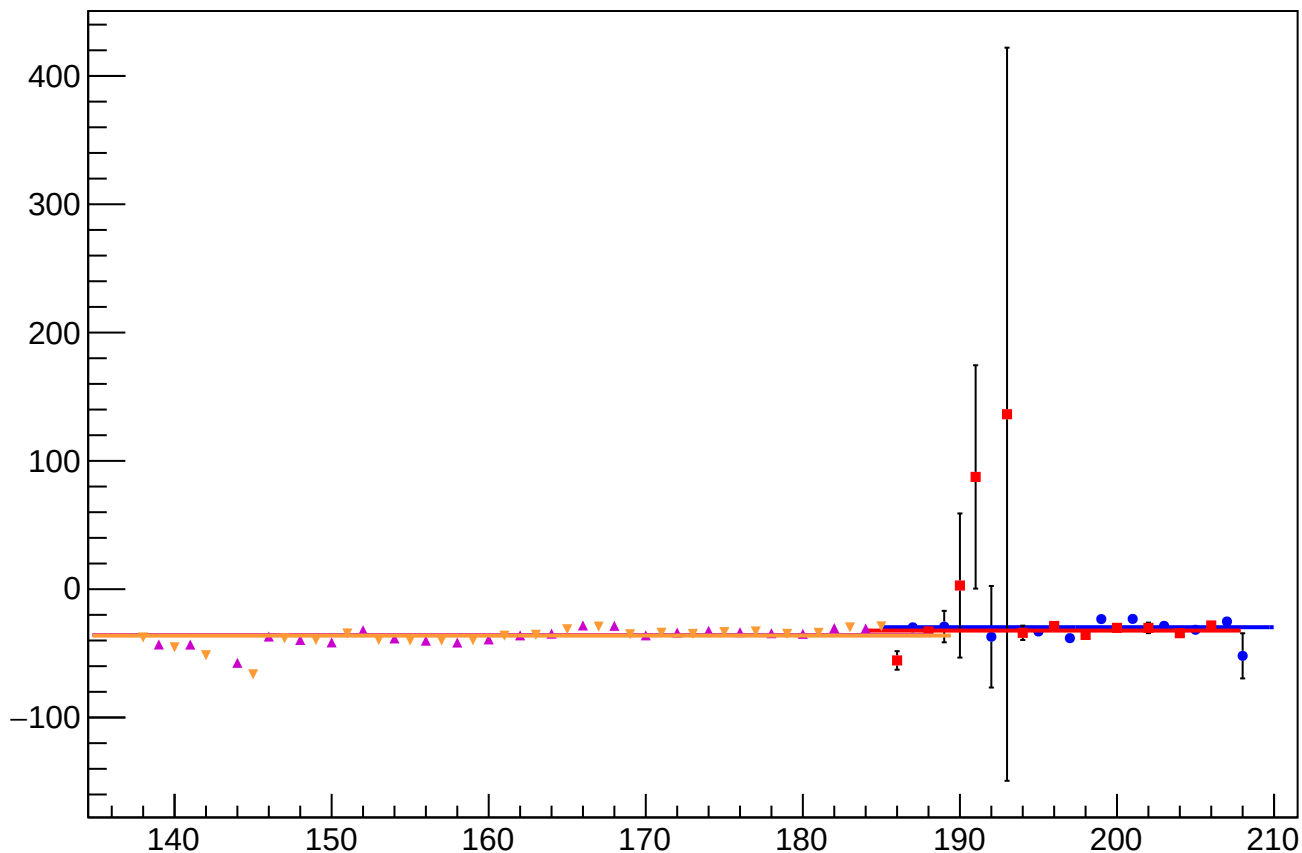
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 91.4/50

All: -0.008 ± 0.000 χ^2/NDF : 346.6/102

- sign -0.008 ± 0.001 χ^2/NDF : 255.1/51

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.629 ± 0.858 χ^2/NDF : 25.7/10

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.254 ± 0.808 χ^2/NDF : 20.7/11

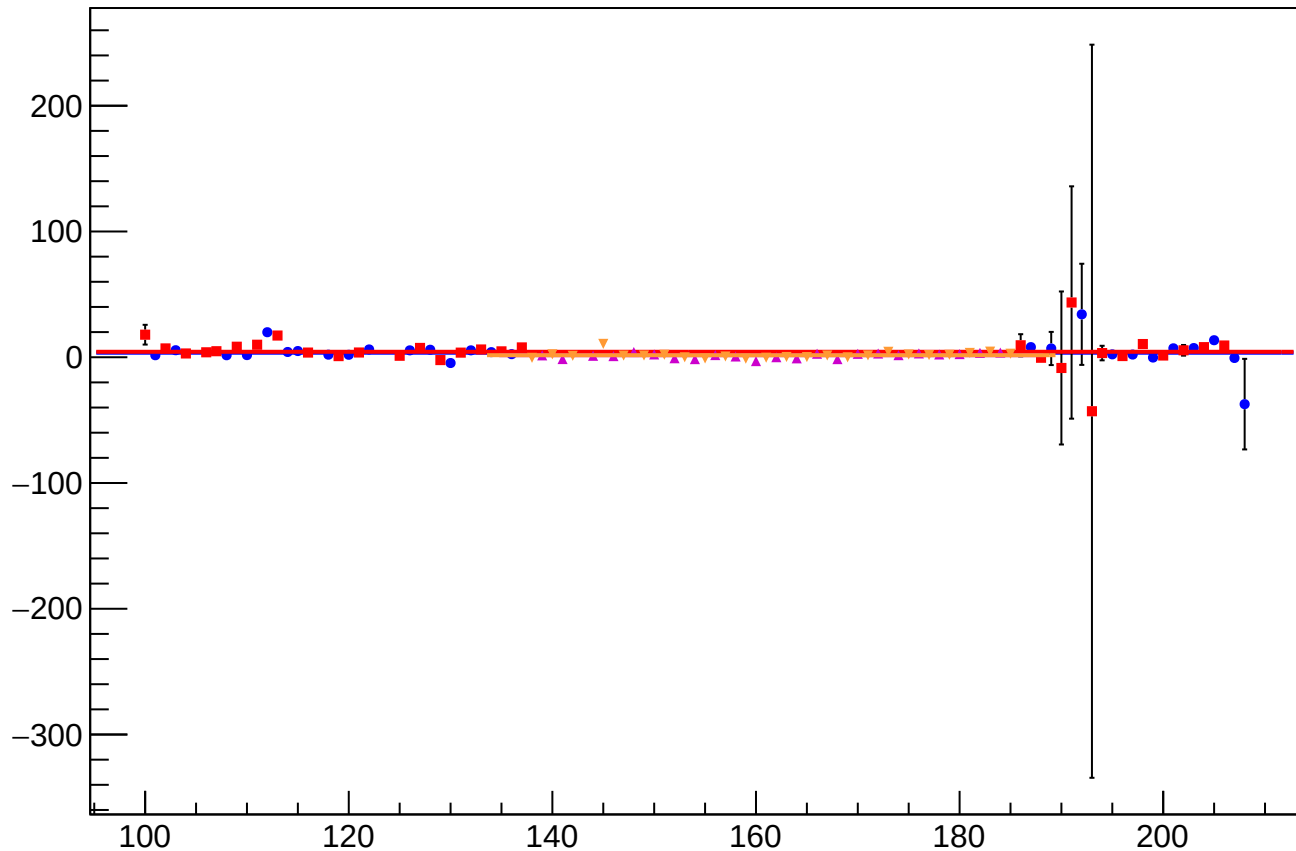
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.811 ± 0.187 χ^2/NDF : 1195.1/34

All: -35.701 ± 0.132 χ^2/NDF : 2088.6/69

- sign -35.592 ± 0.186 χ^2/NDF : 892.9/34

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.600 $\pm$ 0.217 χ^2 /NDF: 458.2/26

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

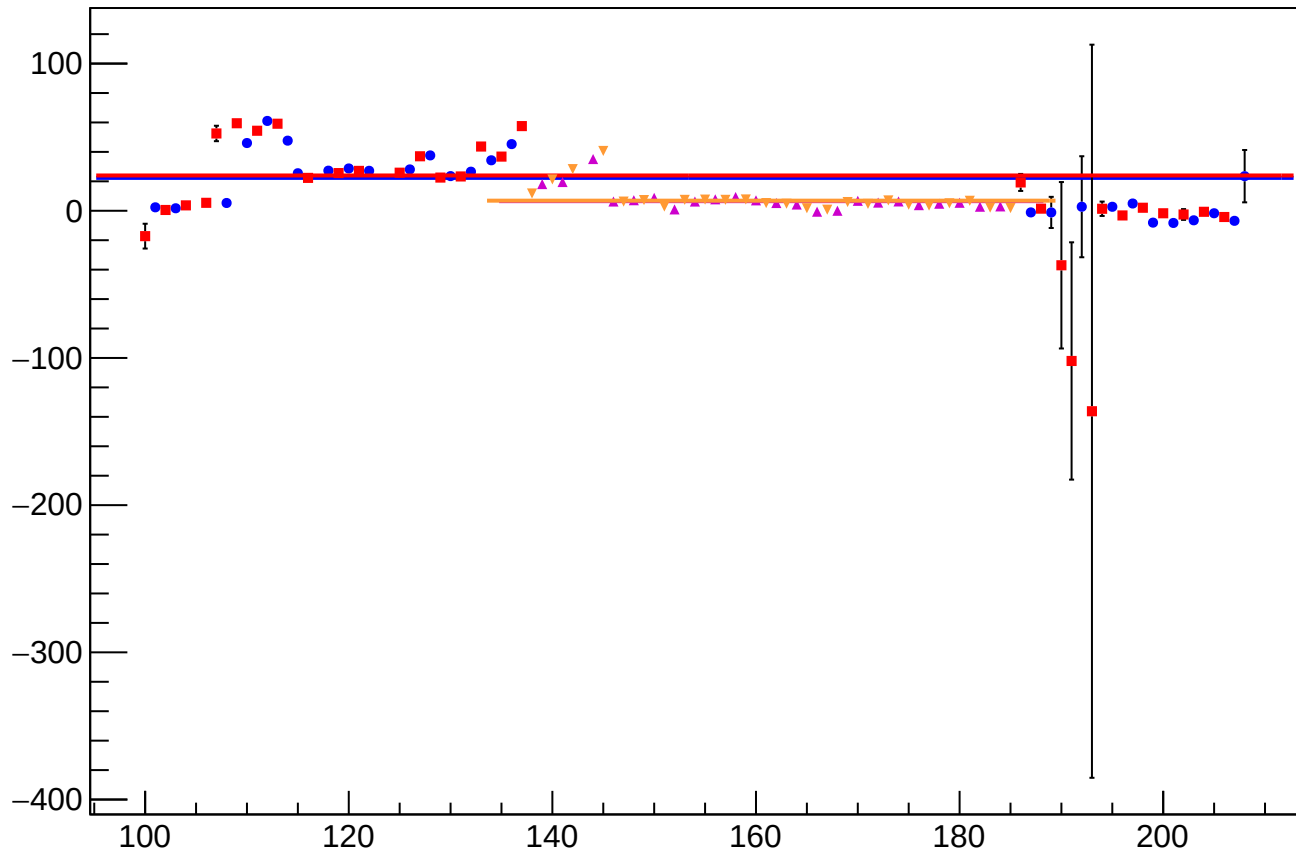
Left In: 1.641 $\pm$ 0.150 χ^2 /NDF:163.2/22

+ sign 2.258 $\pm$ 0.122 χ^2 /NDF: 680.8/50

All: 2.374 $\pm$ 0.087 χ^2 /NDF: 1318.1/103

- 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: 2806.1/26

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

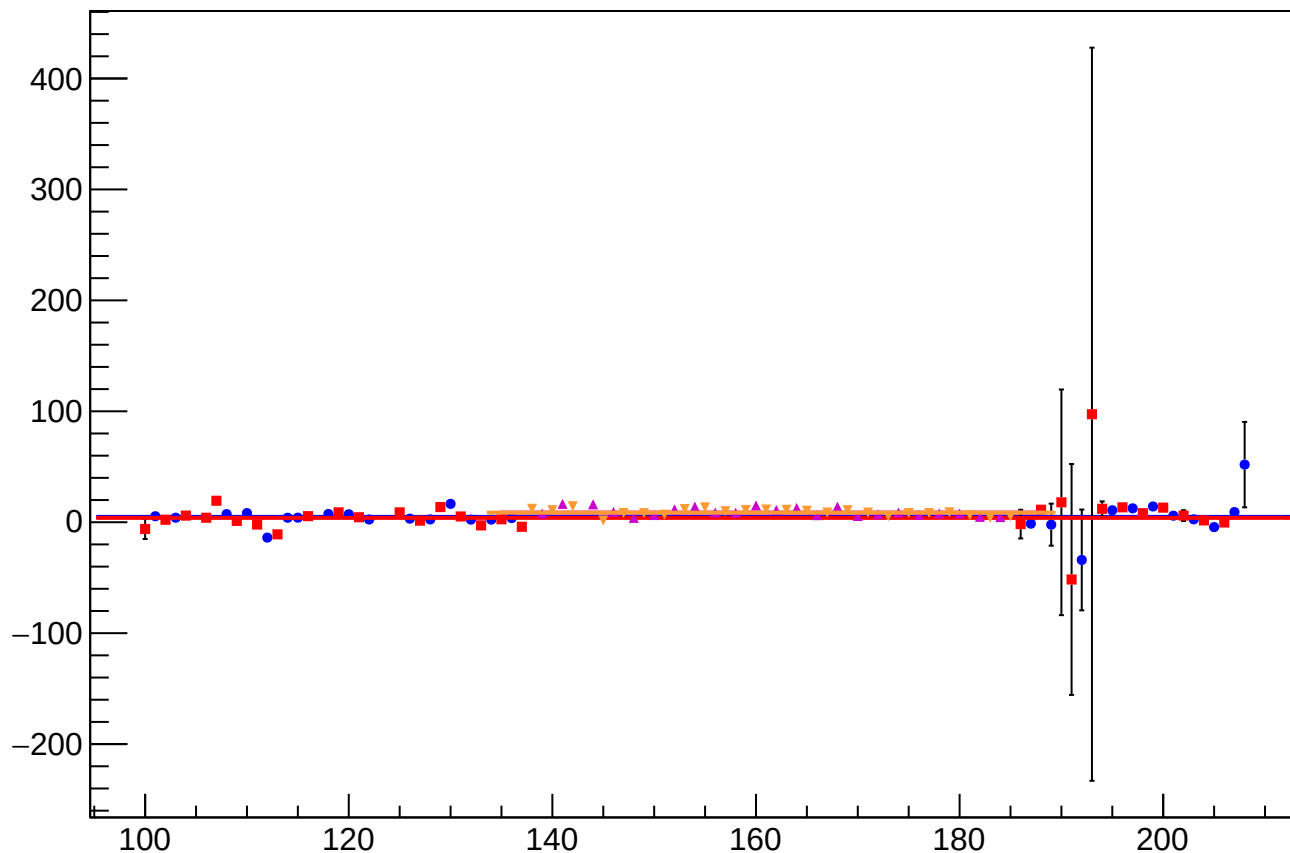
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.134 $\pm$ 0.170 χ^2 /NDF: 5483.2/50

All: 10.227 $\pm$ 0.120 χ^2 /NDF: 11612.9/103

- sign 10.319 $\pm$ 0.168 χ^2 /NDF: 6129.1/52

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.807 $\pm$ 0.250 χ^2 /NDF: 572.7/26

Left Out: 8.695 $\pm$ 0.169 χ^2 /NDF: 241.0/23

Right Out: 3.937 $\pm$ 0.254 χ^2 /NDF: 589.1/29

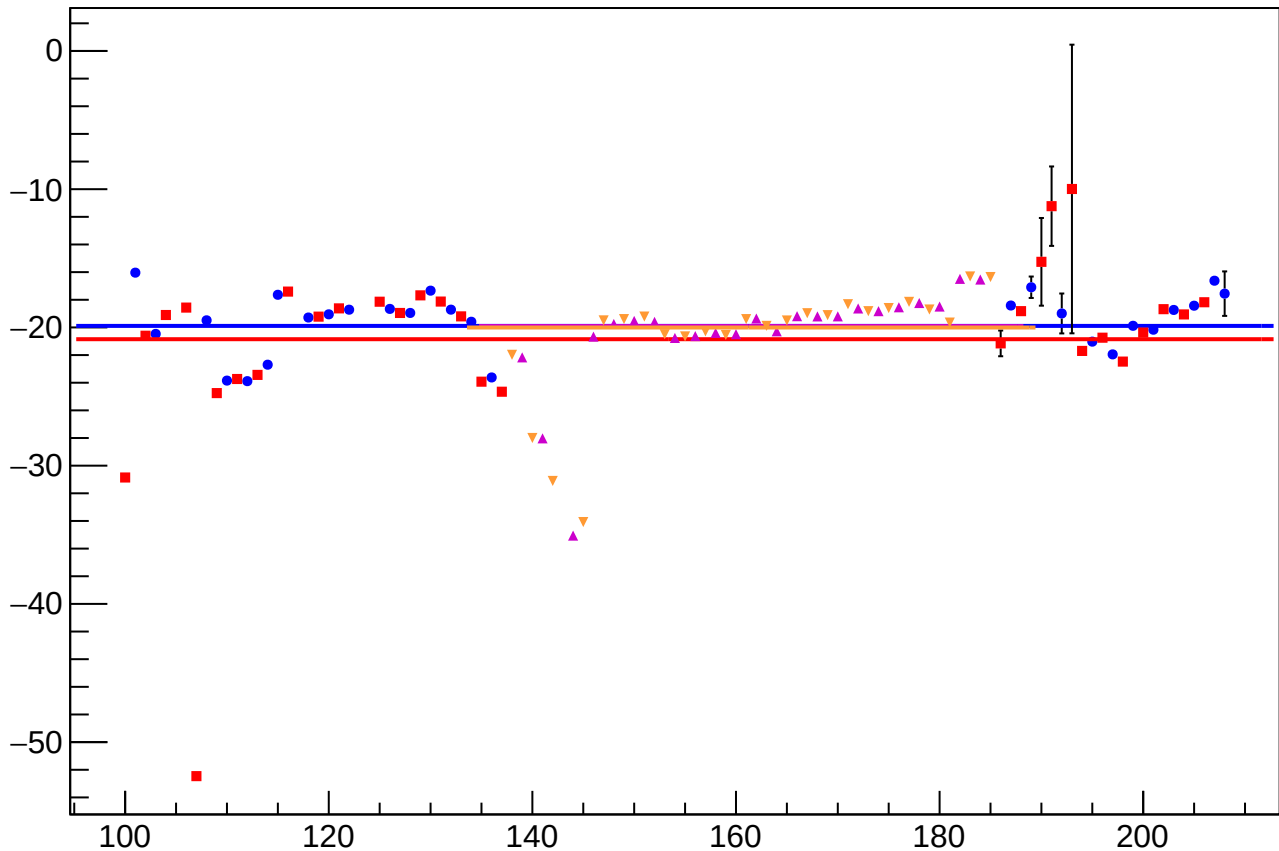
Left In: 8.668 $\pm$ 0.170 χ^2 /NDF: 436.7/22

+ sign 7.476 $\pm$ 0.140 χ^2 /NDF: 979.6/50

All: 7.342 $\pm$ 0.099 χ^2 /NDF: 2246.3/103

- sign 7.205 $\pm$ 0.141 χ^2 /NDF: 1264.8/52

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.889 ± 0.015 χ^2/NDF : 27143.1/26

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.852 ± 0.015 χ^2/NDF : 95238.2/29

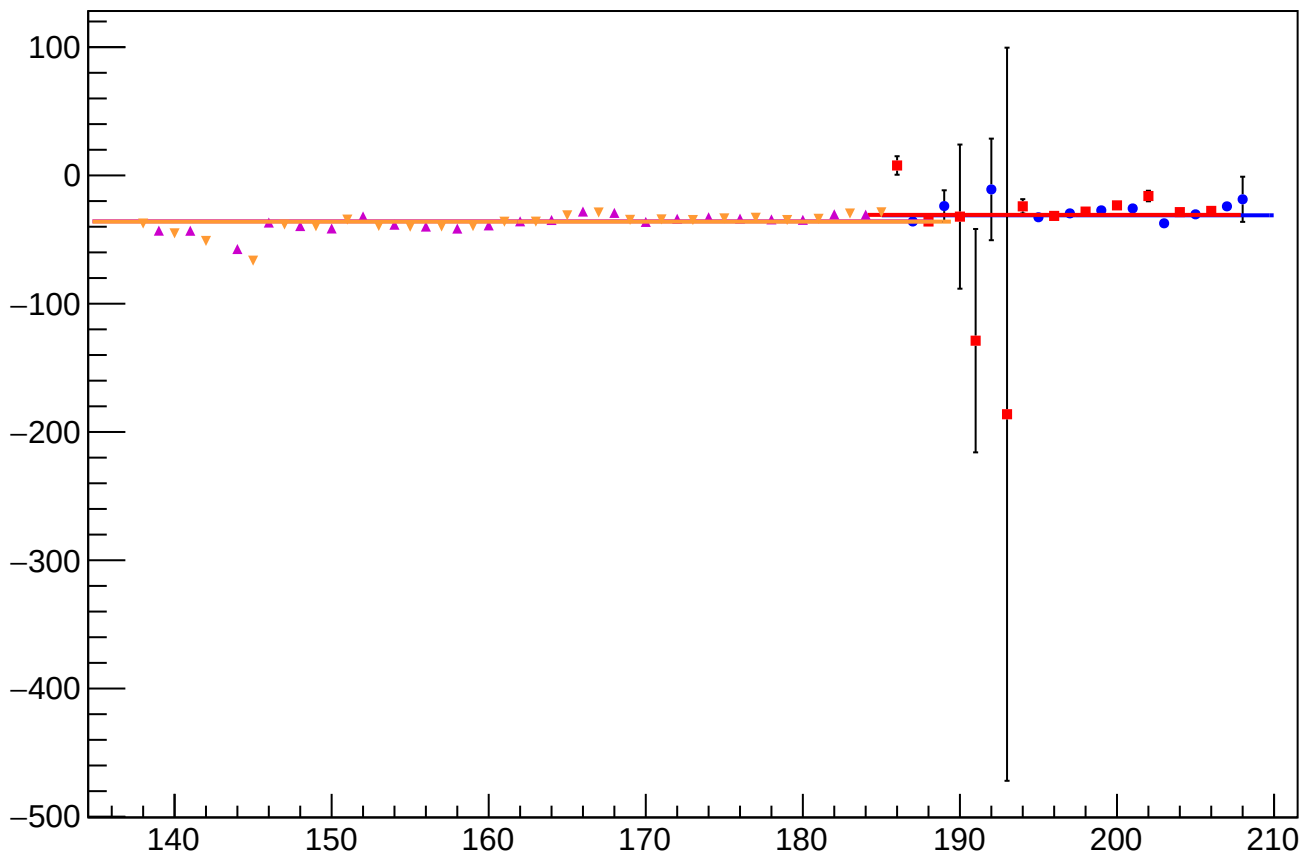
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.980 ± 0.007 χ^2/NDF : 198954.8/50

All: -20.042 ± 0.005 χ^2/NDF : 441741.5/103

- sign -20.104 ± 0.007 χ^2/NDF : 242627.5/52

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.090 ± 0.861 χ^2/NDF : 28.0/10

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -30.756 ± 0.811 χ^2/NDF : 71.9/11

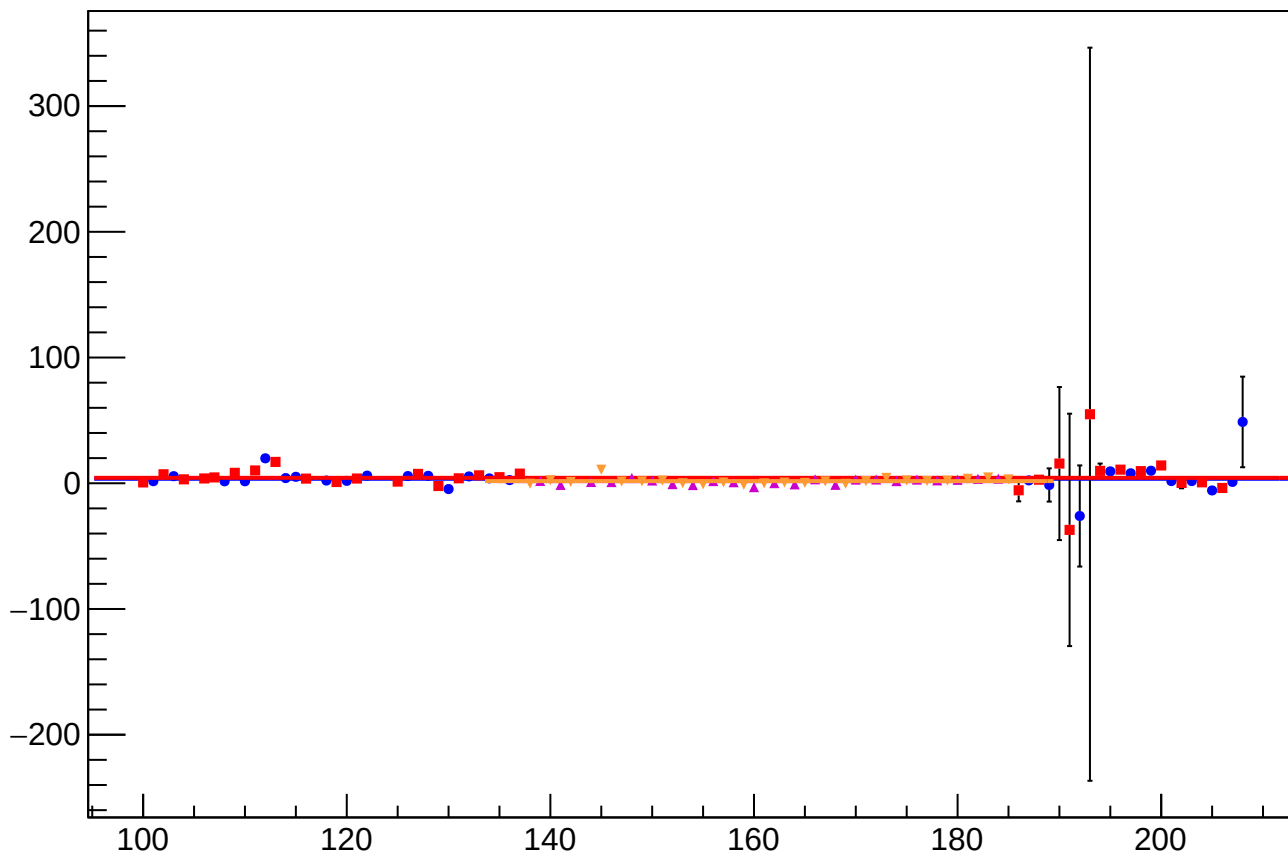
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.797 ± 0.187 χ^2/NDF : 1180.7/34

All: -35.649 ± 0.132 χ^2/NDF : 2132.6/69

- sign -35.502 ± 0.186 χ^2/NDF : 950.7/34

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.570 ± 0.217 χ^2/NDF : 457.6/26

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.321 ± 0.217 χ^2/NDF : 378.2/29

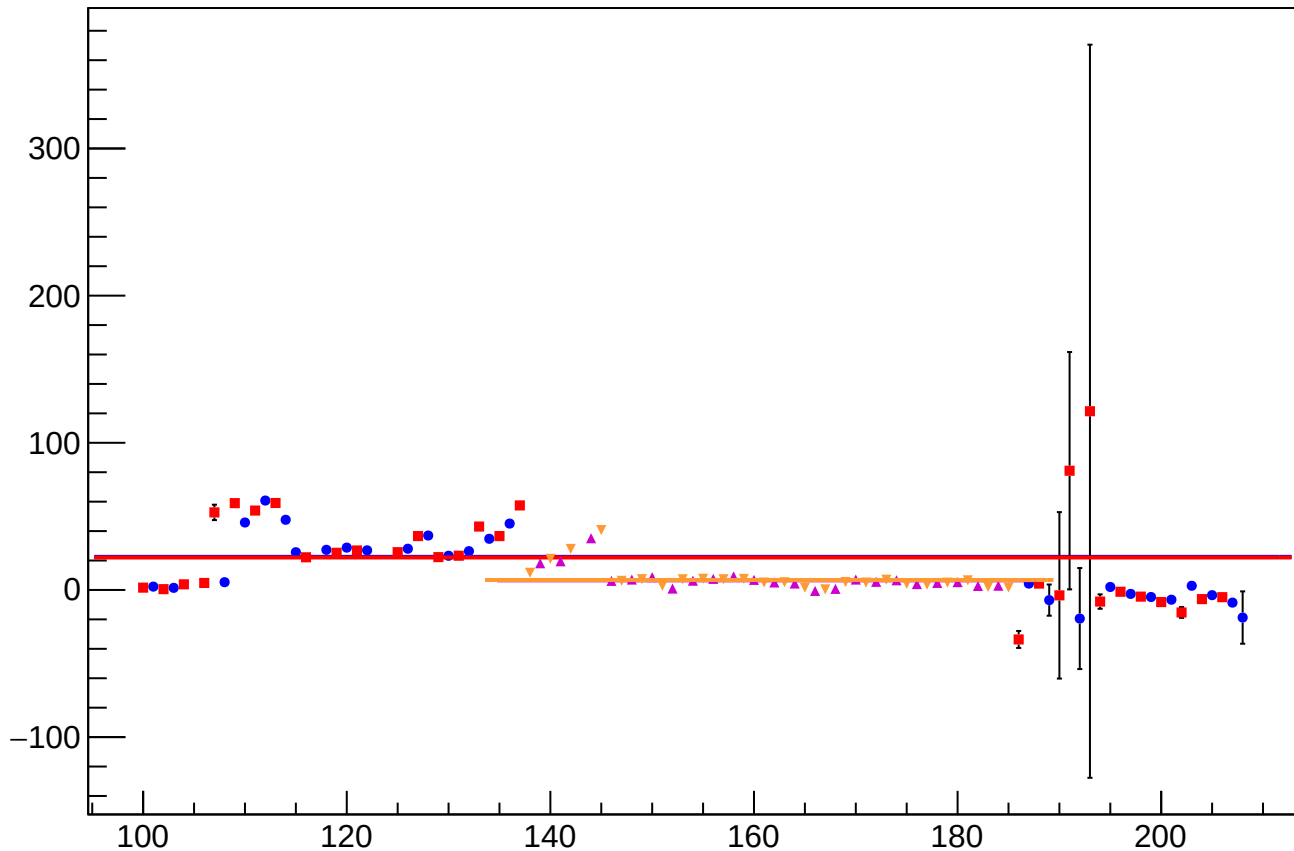
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.310 ± 0.122 χ^2/NDF : 675.3/50

All: 2.427 ± 0.087 χ^2/NDF : 1317.0/103

- sign 2.546 ± 0.123 χ^2/NDF : 639.8/52

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.493+/-0.370 χ^2/NDF : 2699.6/26

Left Out: 6.779+/-0.191 χ^2/NDF : 1297.7/23

Right Out: 22.063+/-0.349 χ^2/NDF : 3659.2/29

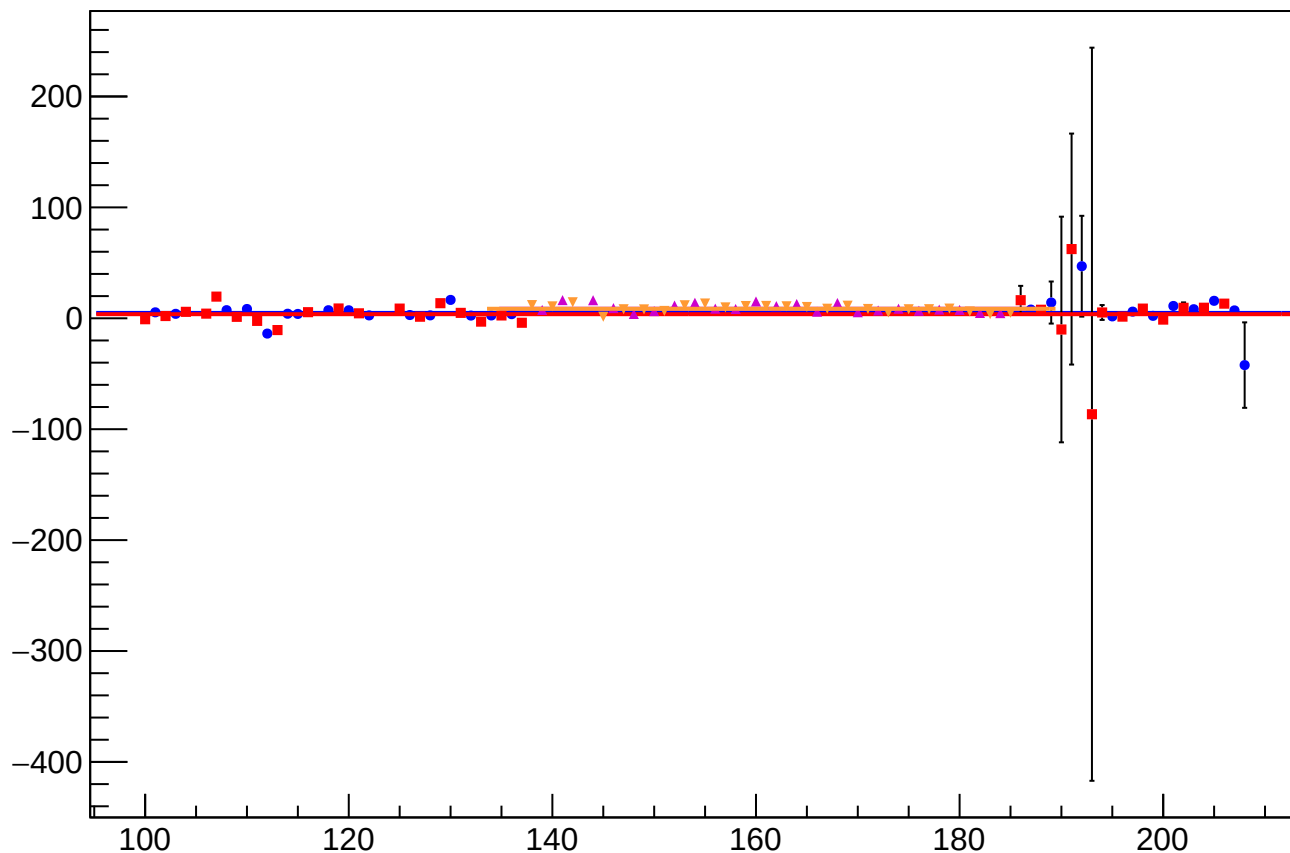
Left In: 6.532+/-0.190 χ^2/NDF : 1018.2/22

+ sign 10.093+/-0.170 χ^2/NDF : 5420.4/50

All: 10.091+/-0.119 χ^2/NDF : 11623.8/103

- sign 10.090+/-0.167 χ^2/NDF : 6203.4/52

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.845 $\pm$ 0.250 χ^2 /NDF: 560.4/26

Left Out: 8.585 $\pm$ 0.169 χ^2 /NDF: 245.5/23

Right Out: 3.697 $\pm$ 0.250 χ^2 /NDF: 588.9/29

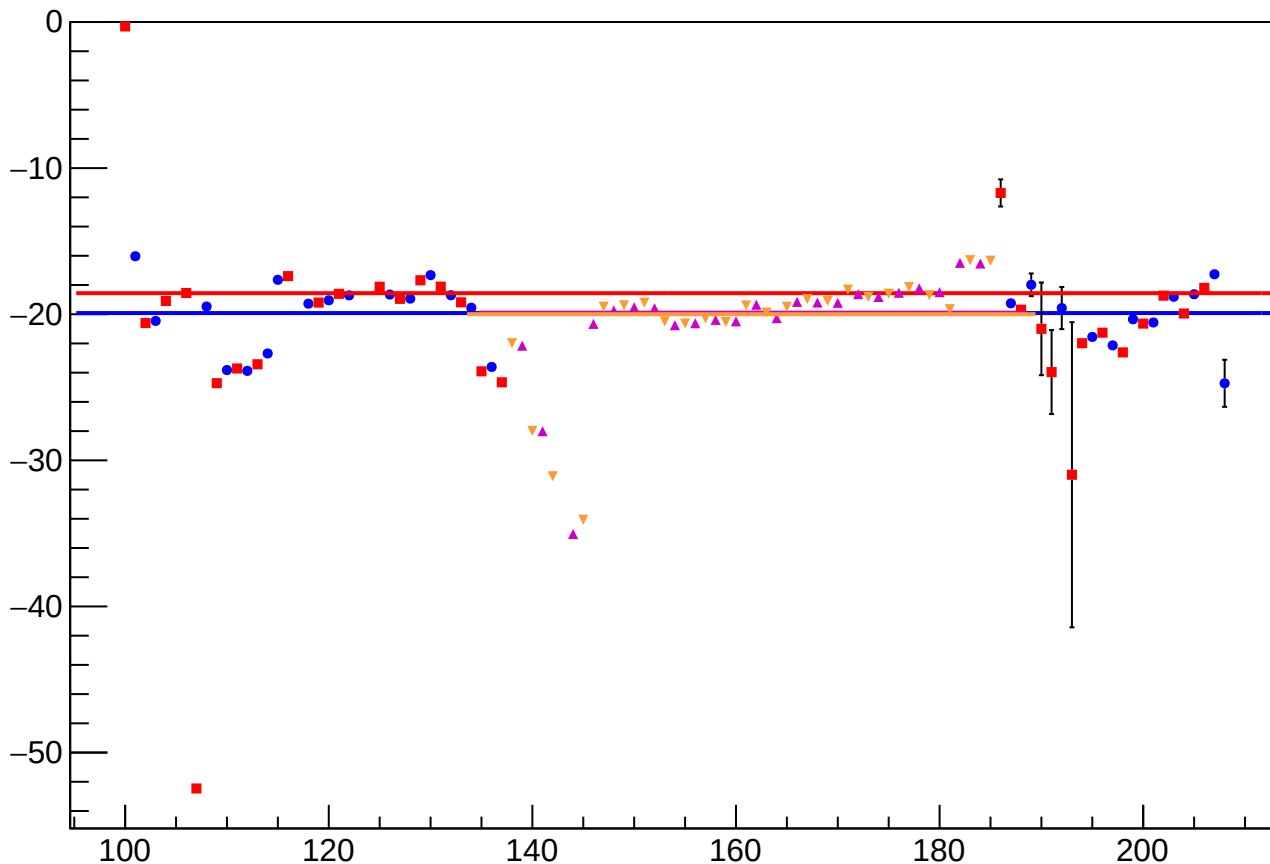
Left In: 8.585 $\pm$ 0.170 χ^2 /NDF: 441.8/22

+ sign 7.413 $\pm$ 0.140 χ^2 /NDF: 959.7/50

All: 7.227 $\pm$ 0.099 χ^2 /NDF: 2255.0/103

- sign 7.040 $\pm$ 0.141 χ^2 /NDF: 1291.8/52

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.920 ± 0.015 $\chi^2/\text{NDF}: 27097.2/26$

Left Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 171944.6/23$

Right Out: -18.559 ± 0.014 $\chi^2/\text{NDF}: 303724.1/29$

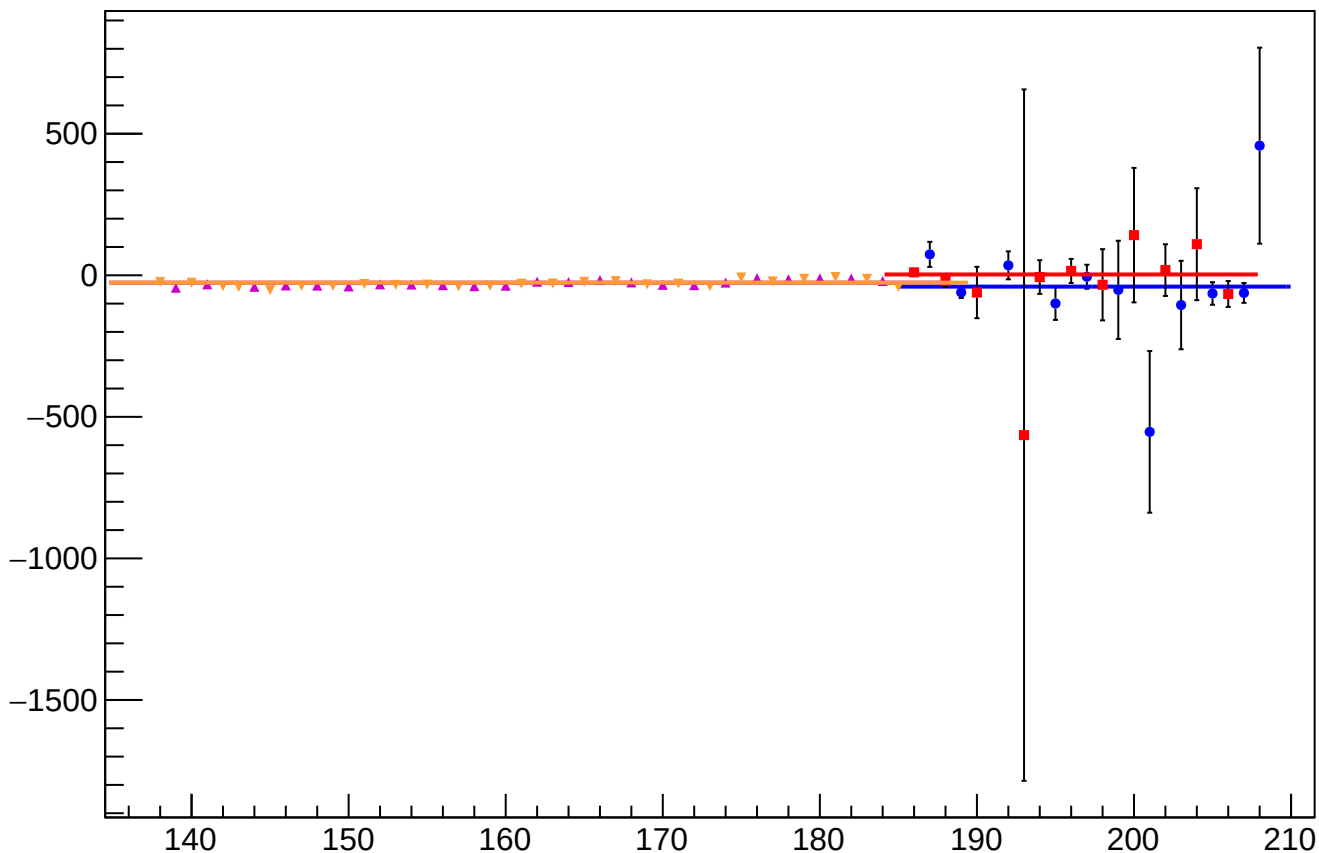
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.981 ± 0.007 $\chi^2/\text{NDF}: 199063.4/50$

All: -19.775 ± 0.005 $\chi^2/\text{NDF}: 655371.5/103$

- sign -19.576 ± 0.007 $\chi^2/\text{NDF}: 454591.6/52$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.998 ± 13.050 $\chi^2/\text{NDF}: 18.0/10$

Left Out: -25.884 ± 0.192 $\chi^2/\text{NDF}: 4158.0/24$

Right Out: 2.960 ± 8.120 $\chi^2/\text{NDF}: 5.6/10$

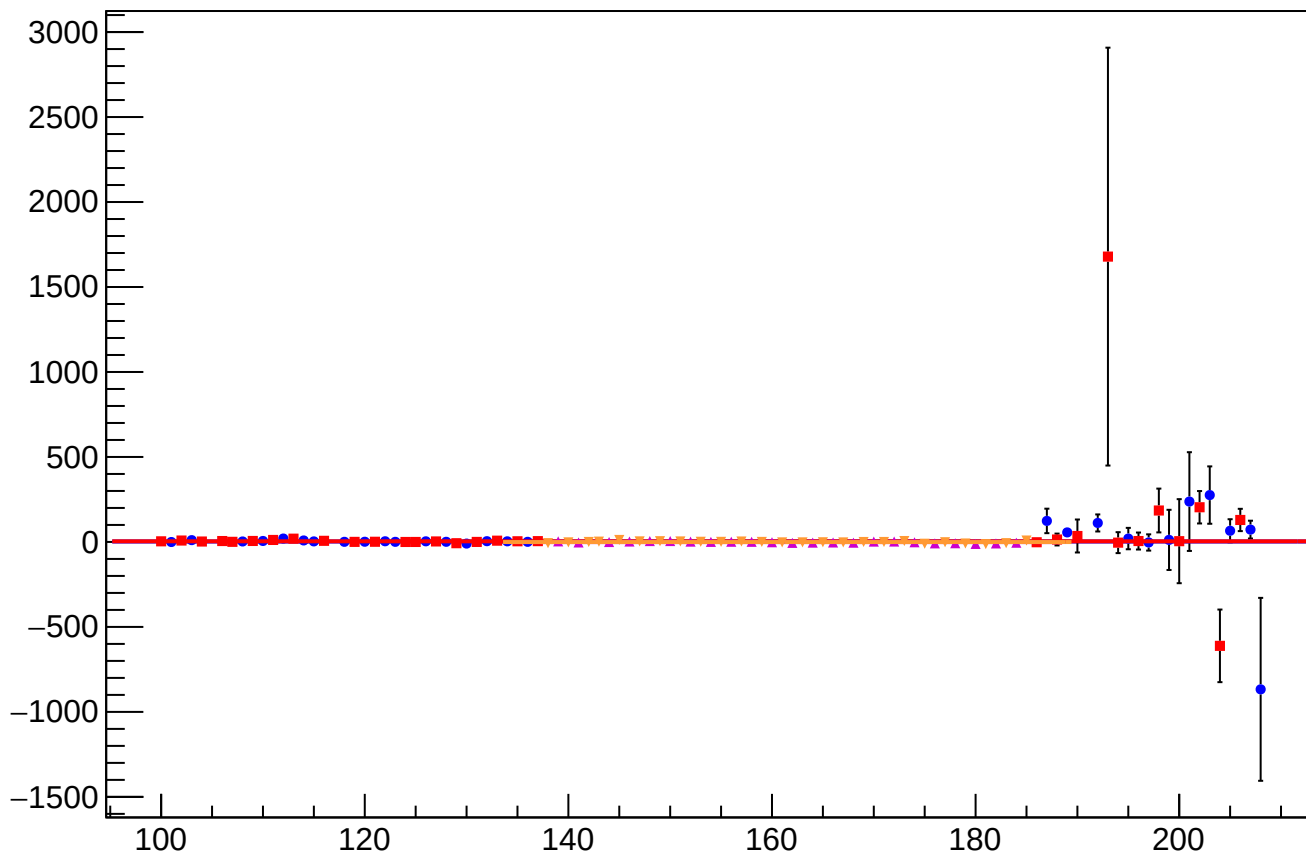
Left In: -26.052 ± 0.195 $\chi^2/\text{NDF}: 3279.5/22$

+ sign -25.888 ± 0.192 $\chi^2/\text{NDF}: 4177.2/35$

All: -25.960 ± 0.137 $\chi^2/\text{NDF}: 7475.3/69$

- sign -26.035 ± 0.195 $\chi^2/\text{NDF}: 3297.9/33$

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.476 $\pm$ 0.315 χ^2 /NDF: 316.2/27

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

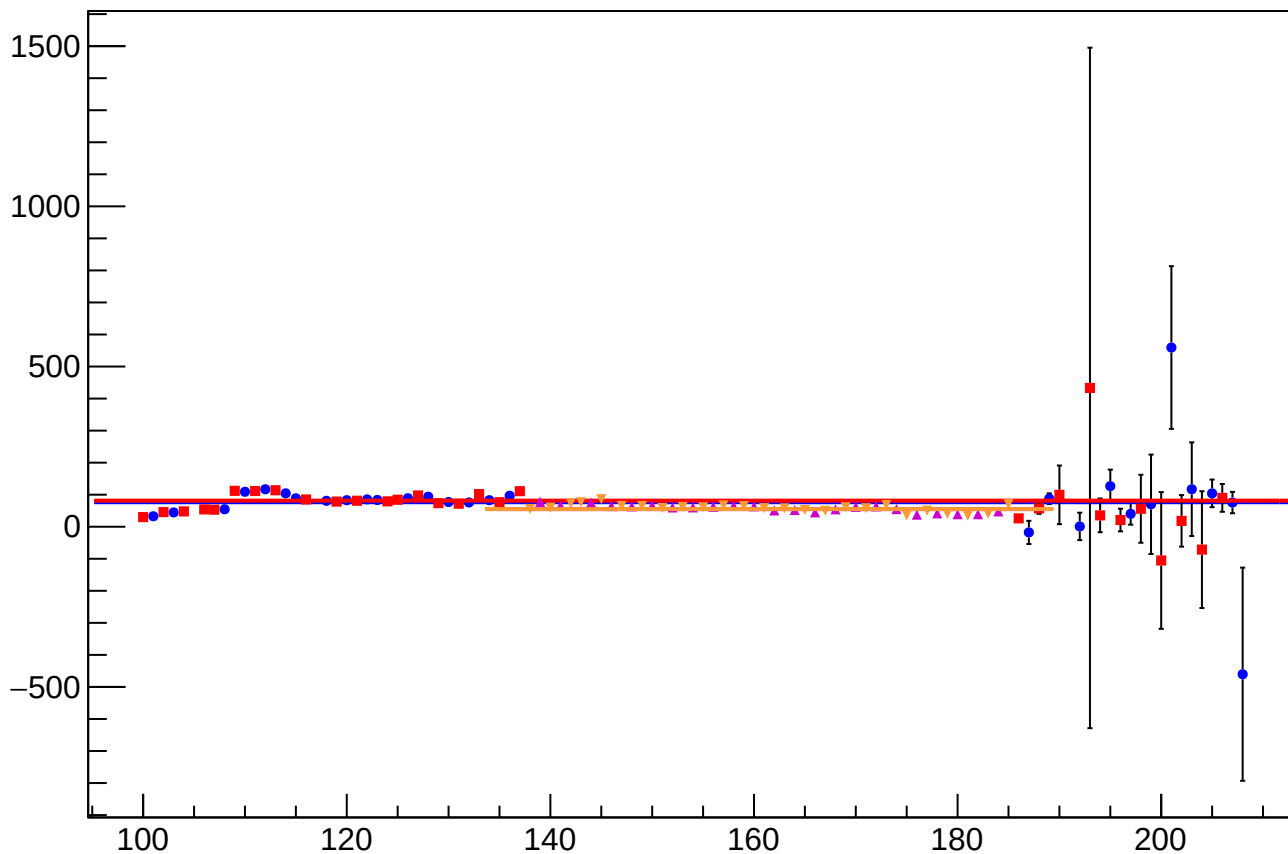
Left In: -0.863 $\pm$ 0.150 χ^2 /NDF: 1066.5/22

+ sign -0.099 $\pm$ 0.133 χ^2 /NDF: 1718.4/52

All: -0.081 $\pm$ 0.095 χ^2 /NDF: 3236.9/105

- sign -0.062 $\pm$ 0.137 χ^2 /NDF: 1518.4/52

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.532 $\pm$ 0.576 χ^2 /NDF: 2271.9/27

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

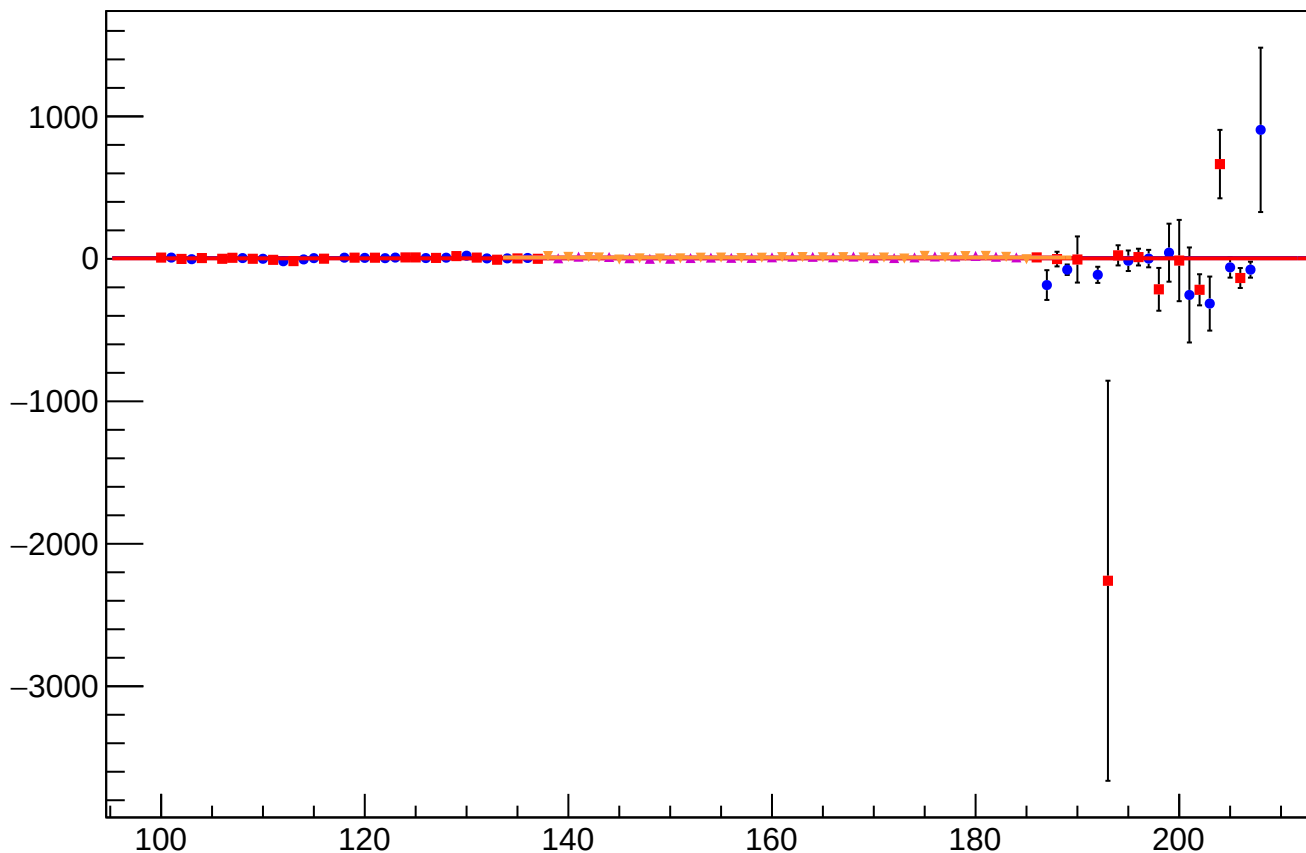
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8097.5/52

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15243.1/105

- 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: 407.1/27

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

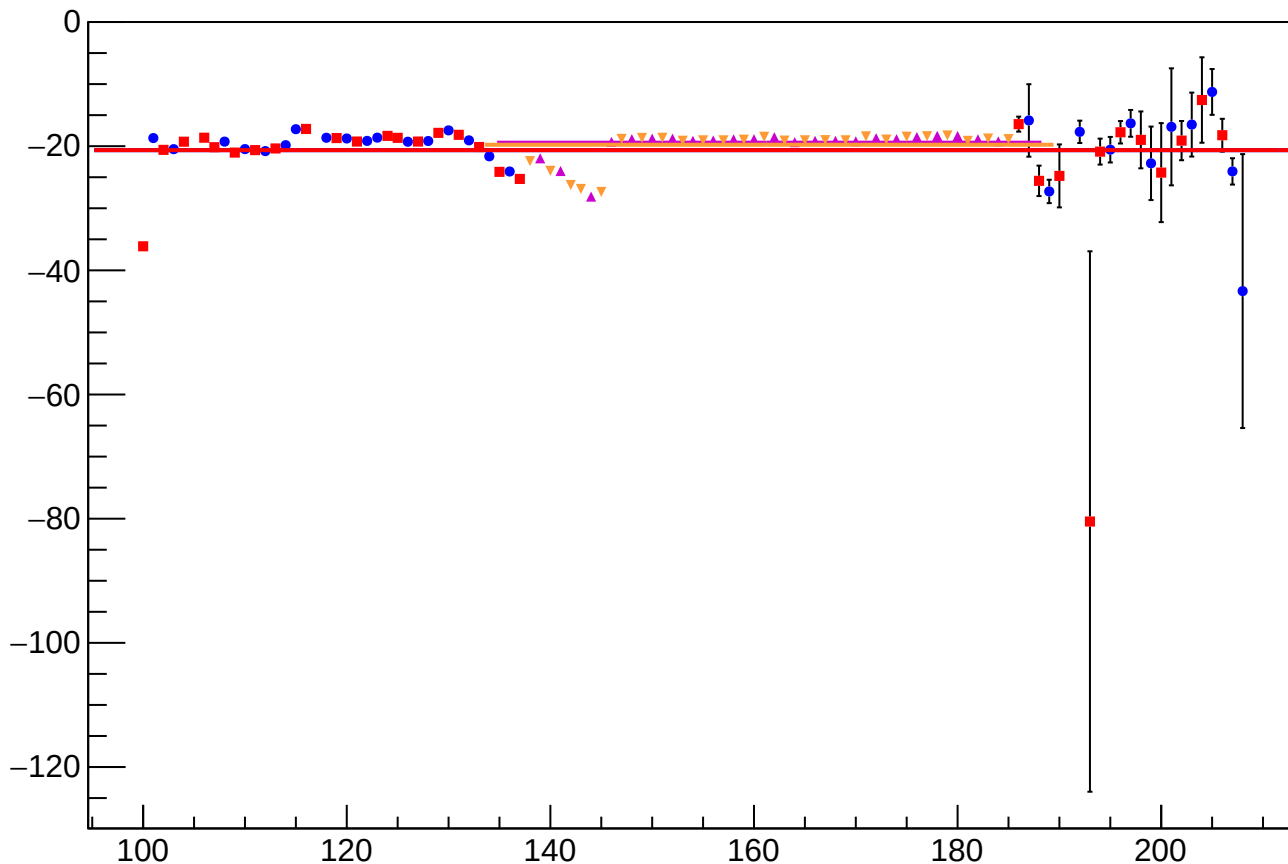
Left In: 9.803 $\pm$ 0.172 χ^2 /NDF:1158.7/22

+ sign 8.967 $\pm$ 0.152 χ^2 /NDF: 1975.7/52

All: 8.850 $\pm$ 0.109 χ^2 /NDF: 3805.1/105

- 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 $\pm$ 0.019 χ^2 /NDF: 12455.1/27

Left Out: -19.767 $\pm$ 0.008 χ^2 /NDF: 91617.3/24

Right Out: -20.638 $\pm$ 0.019 χ^2 /NDF: 13809.9/29

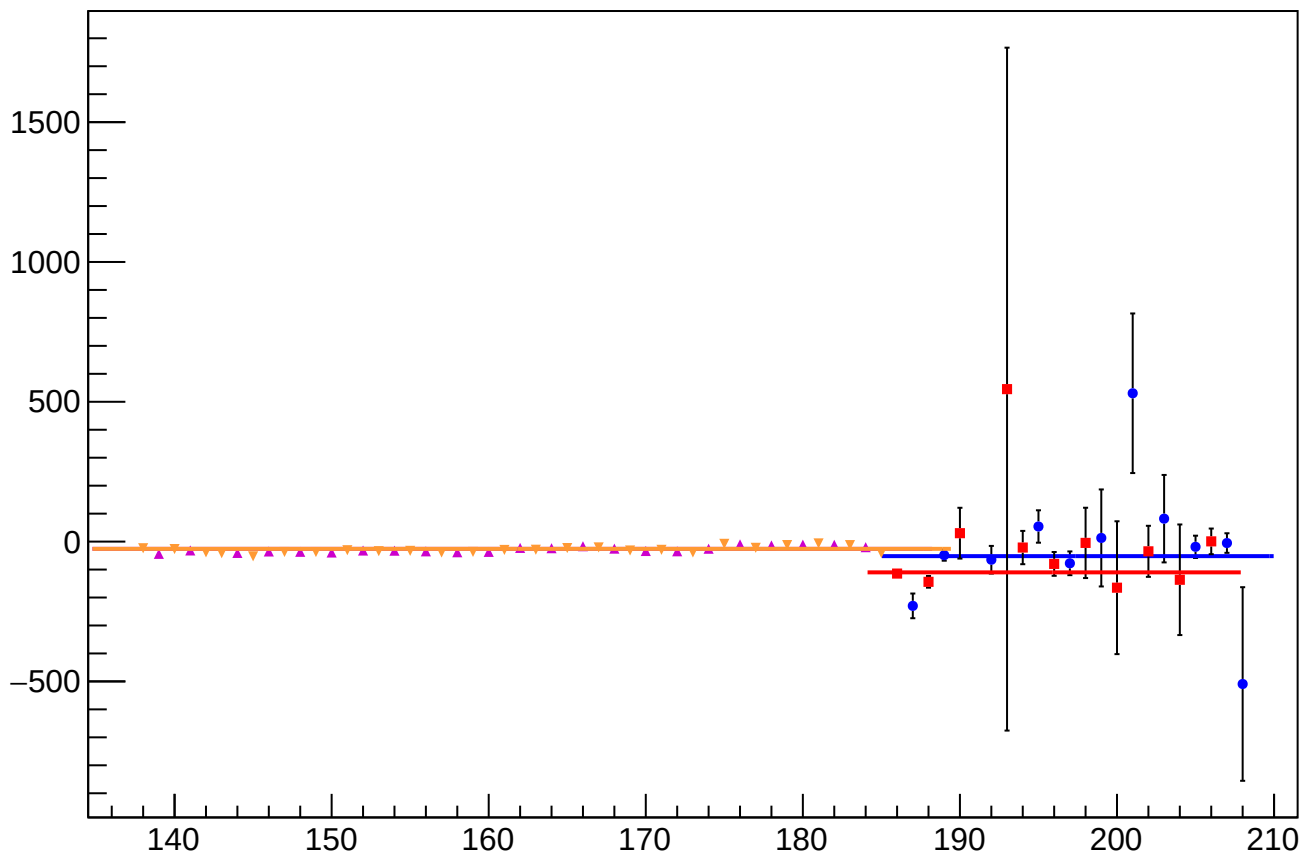
Left In: -19.435 $\pm$ 0.008 χ^2 /NDF: 53170.9/22

+ sign -19.892 $\pm$ 0.007 χ^2 /NDF: 105834.0/52

All: -19.751 $\pm$ 0.005 χ^2 /NDF: 176841.8/105

- sign -19.607 $\pm$ 0.007 χ^2 /NDF: 70255.3/52

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -51.990 ± 13.060 $\chi^2/\text{NDF}: 29.3/10$

Left Out: -25.899 ± 0.192 $\chi^2/\text{NDF}: 4127.5/24$

Right Out: -110.029 ± 8.126 $\chi^2/\text{NDF}: 15.5/10$

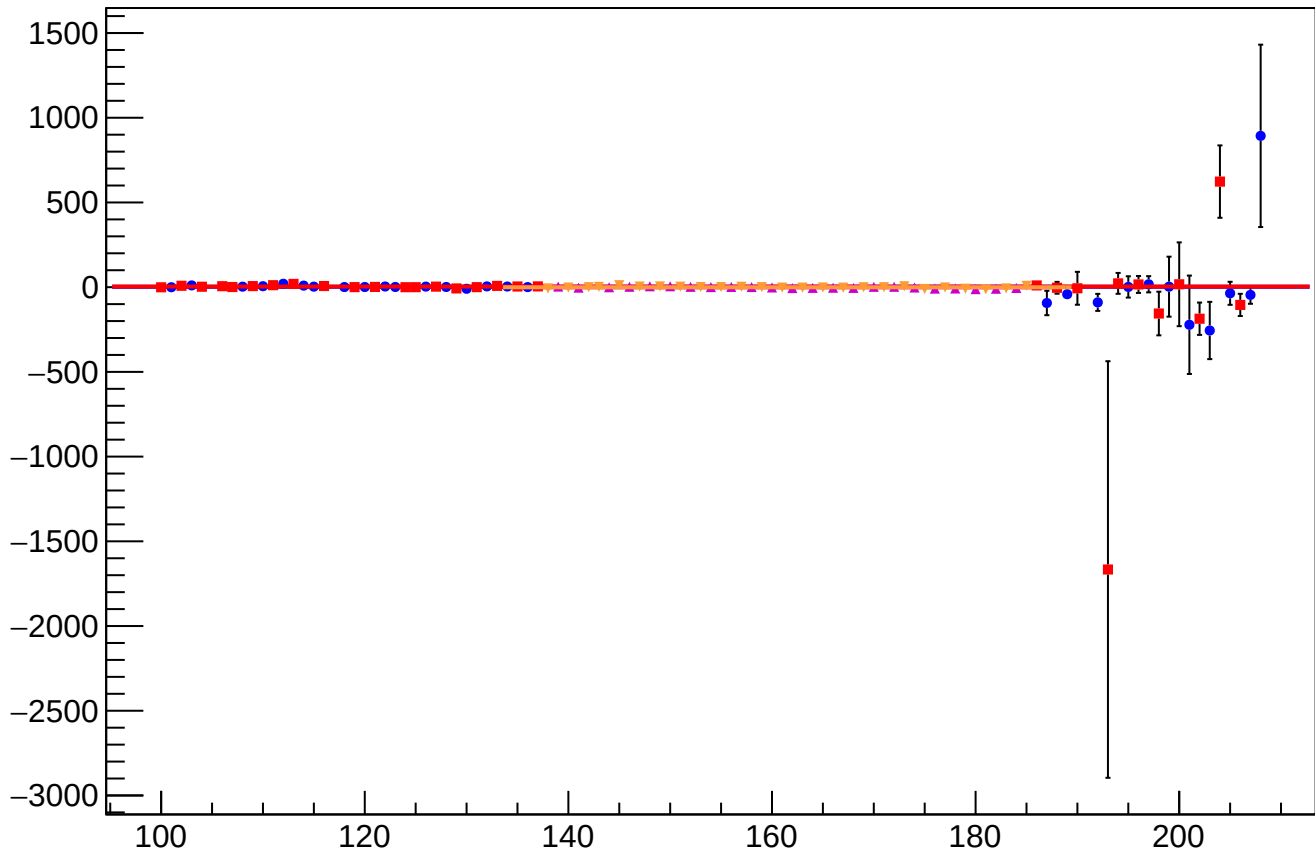
Left In: -26.046 ± 0.195 $\chi^2/\text{NDF}: 3246.7/22$

+ sign -25.905 ± 0.192 $\chi^2/\text{NDF}: 4160.8/35$

All: -25.998 ± 0.137 $\chi^2/\text{NDF}: 7530.3/69$

- sign -26.094 ± 0.195 $\chi^2/\text{NDF}: 3369.0/33$

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.438 ± 0.315 χ^2/NDF : 308.2/27

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.593 ± 0.318 χ^2/NDF : 299.1/29

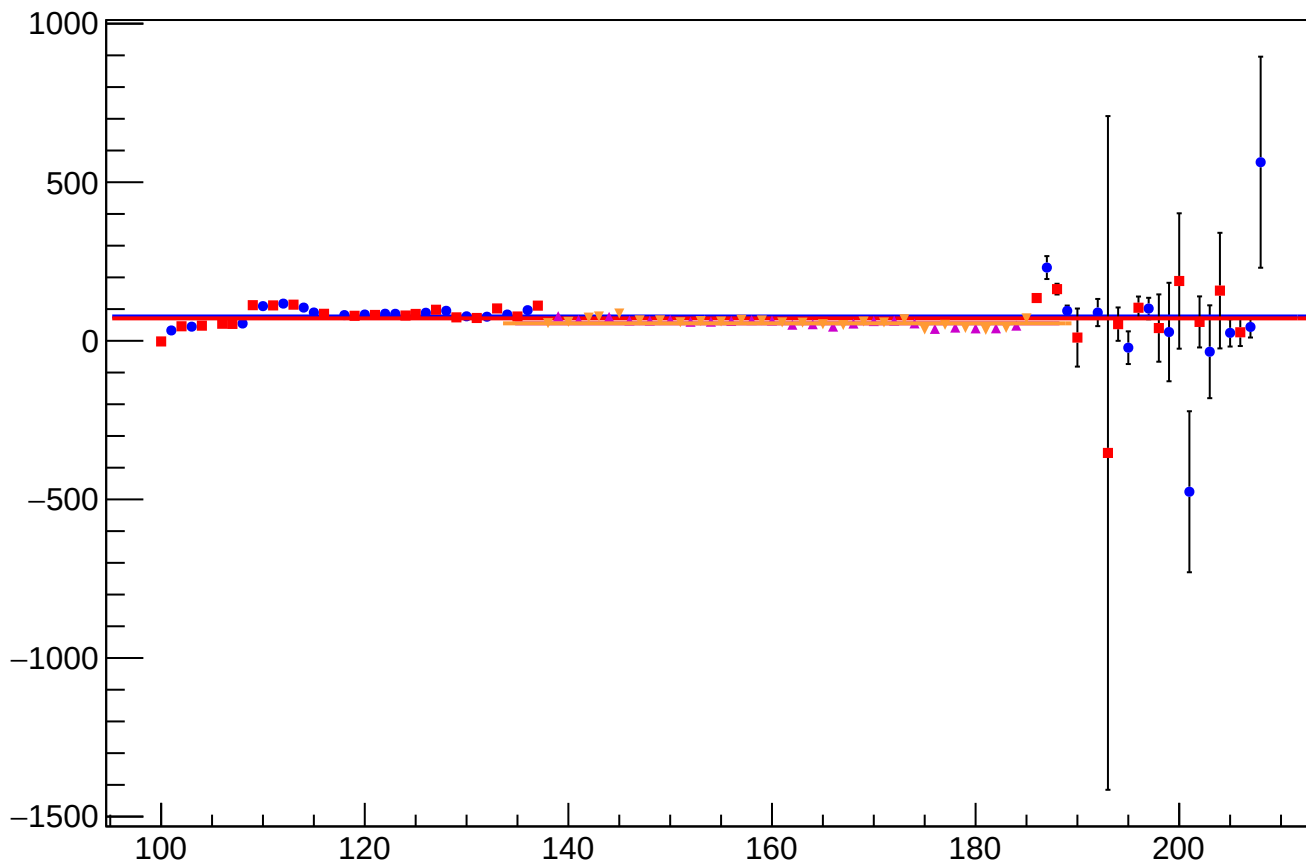
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1695.3/52

All: -0.025 ± 0.095 χ^2/NDF : 3256.3/105

- sign 0.009 ± 0.136 χ^2/NDF : 1560.9/52

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.710+/-0.576 χ^2/NDF : 2298.4/27

Left Out: 55.111+/-0.192 χ^2/NDF : 4560.2/24

Right Out: 70.749+/-0.549 χ^2/NDF : 4492.4/29

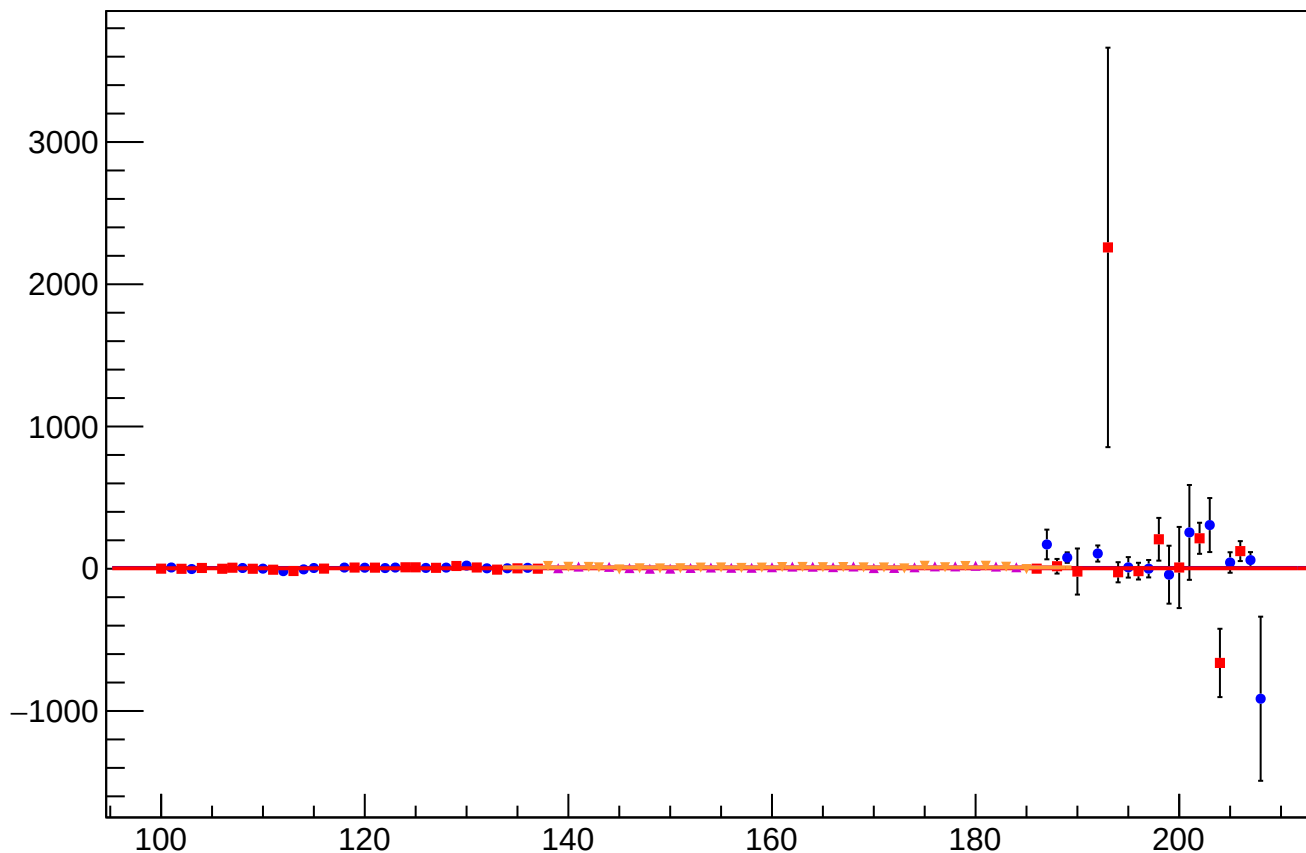
Left In: 55.094+/-0.194 χ^2/NDF : 3664.6/22

+ sign 57.259+/-0.182 χ^2/NDF : 8122.7/52

All: 57.044+/-0.129 χ^2/NDF : 17006.6/105

- sign 56.828+/-0.183 χ^2/NDF : 8881.1/52

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.445 $\pm$ 0.361 χ^2 /NDF: 400.8/27

Left Out: 9.675 $\pm$ 0.168 χ^2 /NDF:1441.3/24

Right Out: 3.283 $\pm$ 0.365 χ^2 /NDF: 444.2/29

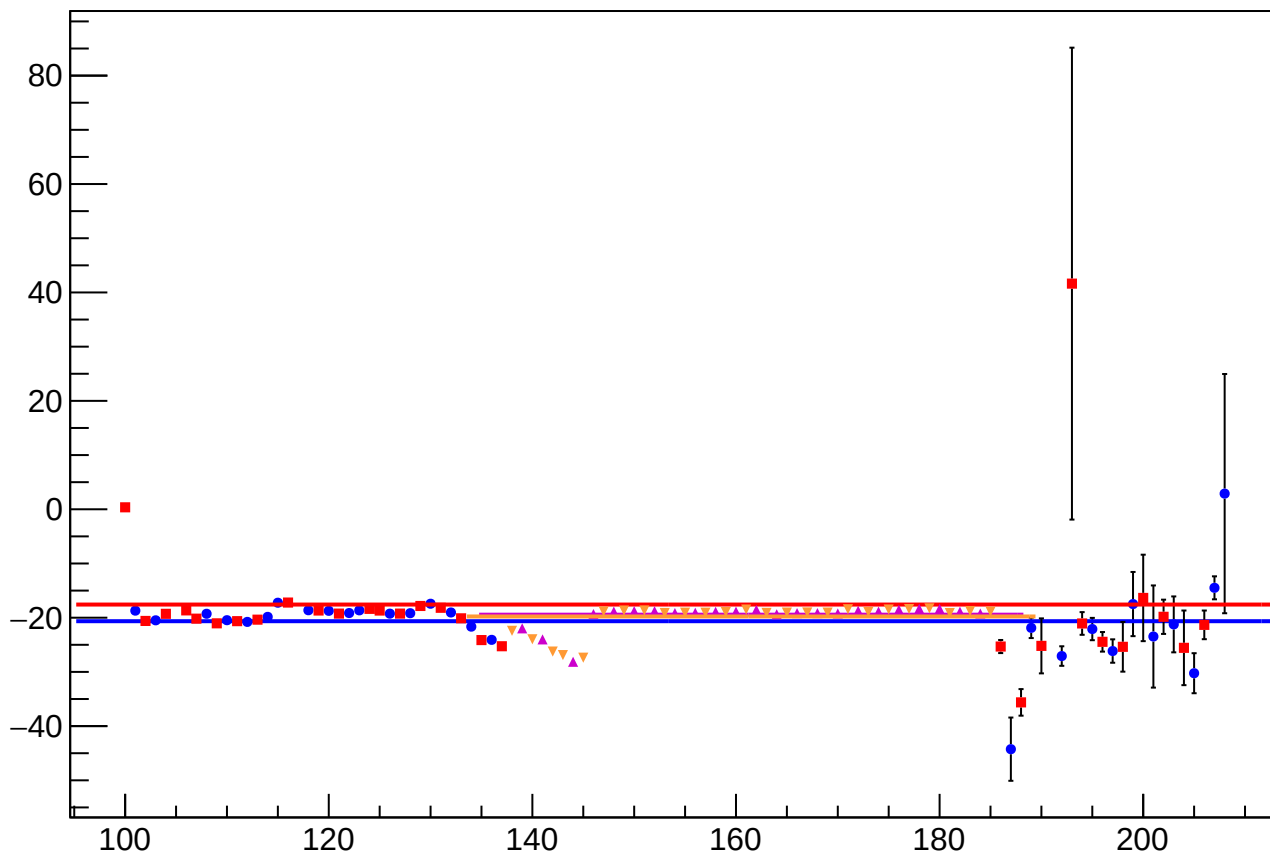
Left In: 9.738 $\pm$ 0.172 χ^2 /NDF:1191.1/22

+ sign 8.924 $\pm$ 0.152 χ^2 /NDF: 1955.0/52

All: 8.751 $\pm$ 0.109 χ^2 /NDF: 3848.5/105

- sign 8.570 $\pm$ 0.155 χ^2 /NDF: 1890.8/52

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.646 ± 0.019 $\chi^2/\text{NDF}: 12515.9/27$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.575 ± 0.018 $\chi^2/\text{NDF}: 178441.6/29$

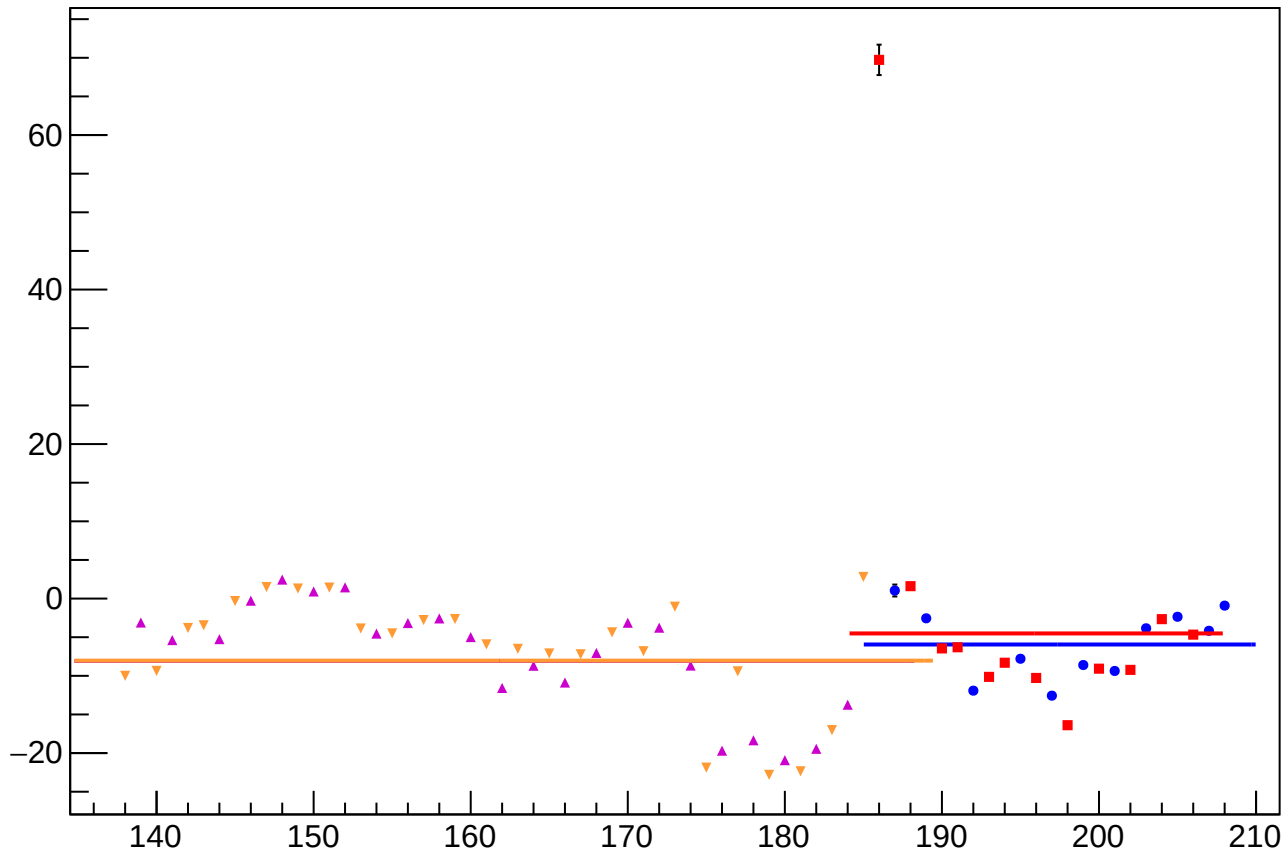
Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

+ sign -19.899 ± 0.007 $\chi^2/\text{NDF}: 105764.6/52$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351729.6/105$

- sign -19.140 ± 0.007 $\chi^2/\text{NDF}: 240553.8/52$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -5.943 ± 0.120 χ^2/NDF : 1188.8/10

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -4.511 ± 0.108 χ^2/NDF : 3924.1/11

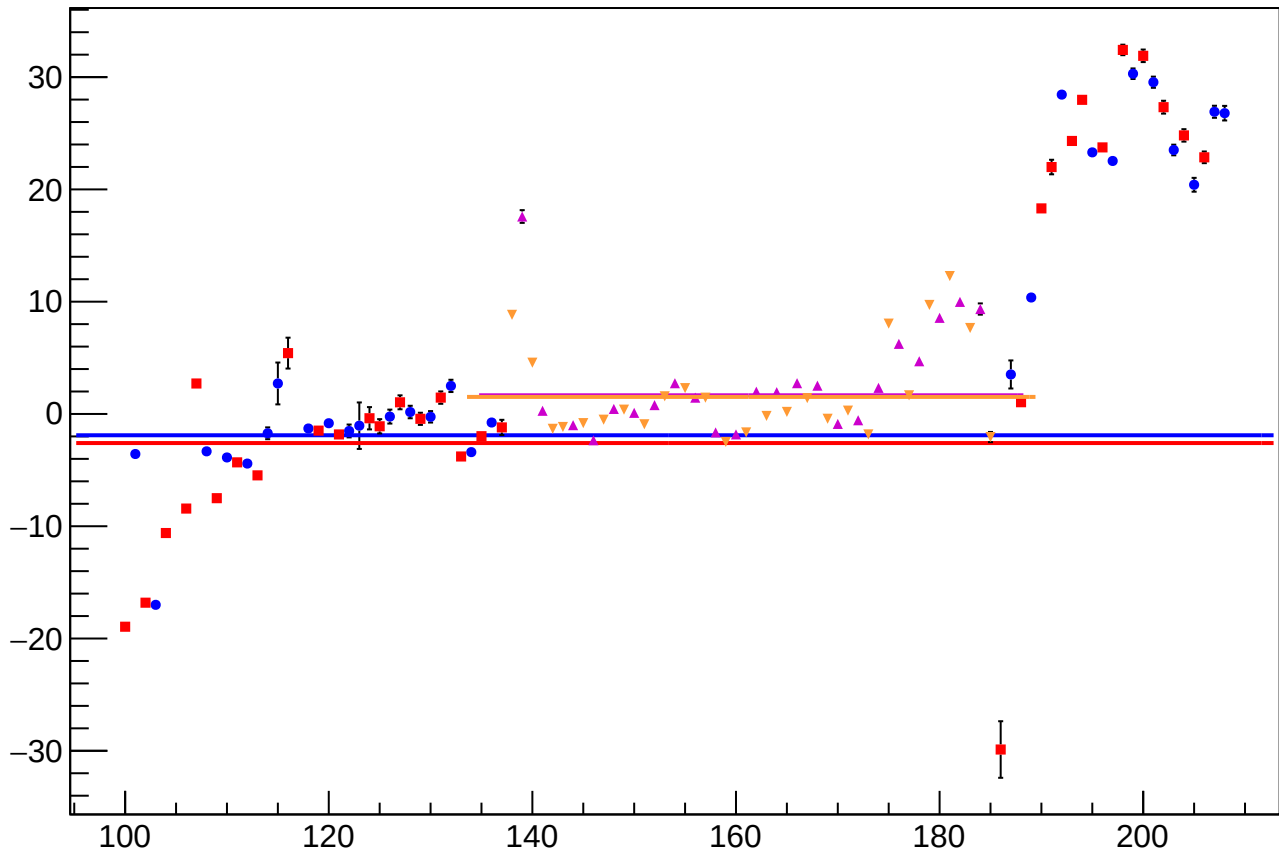
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -7.500 ± 0.061 χ^2/NDF : 13982.8/35

All: -7.236 ± 0.043 χ^2/NDF : 29243.5/70

- sign -6.979 ± 0.060 χ^2/NDF : 15223.4/34

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -1.898 ± 0.051 $\chi^2/\text{NDF}: 45171.3/27$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -2.591 ± 0.054 $\chi^2/\text{NDF}: 53658.6/30$

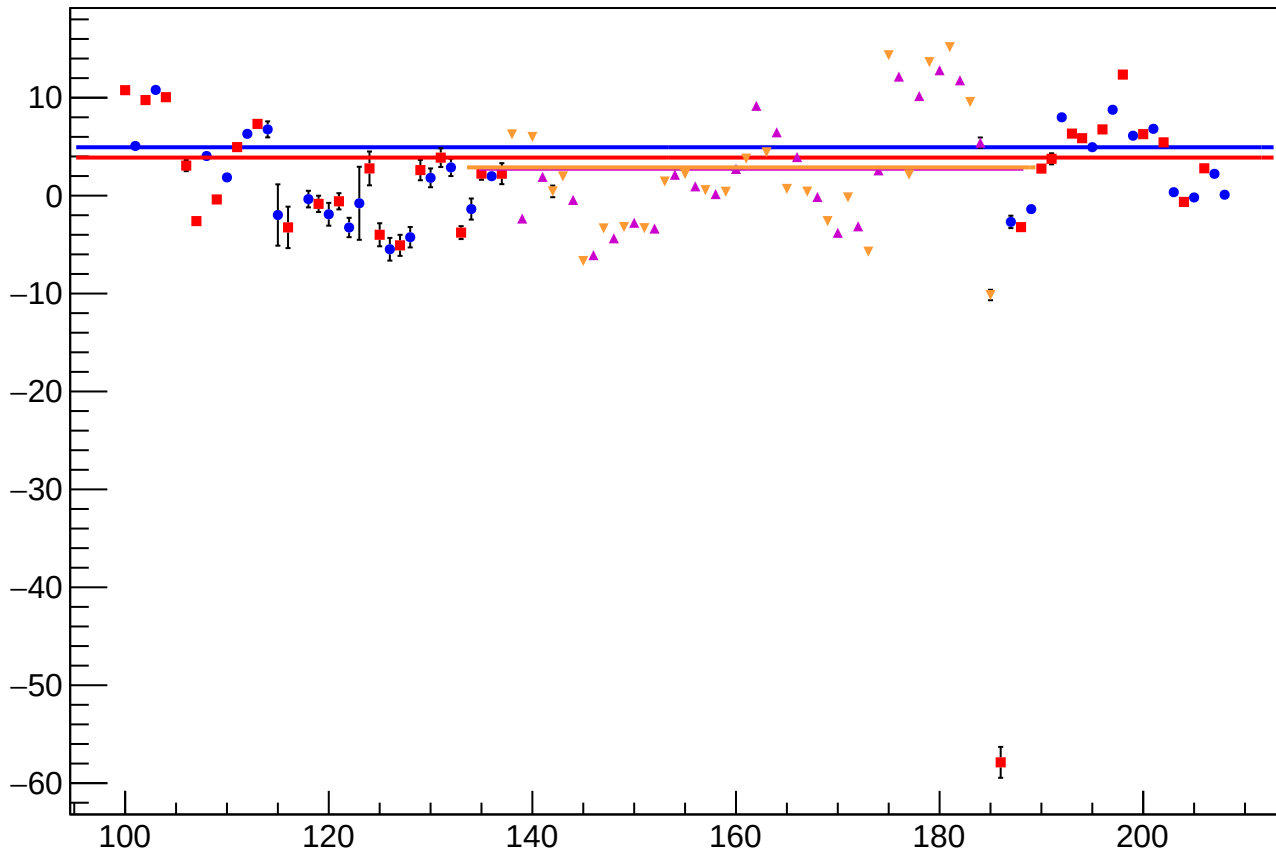
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign -0.284 ± 0.037 $\chi^2/\text{NDF}: 52102.0/52$

All: -0.420 ± 0.027 $\chi^2/\text{NDF}: 112786.3/106$

- sign -0.568 ± 0.039 $\chi^2/\text{NDF}: 60656.7/53$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 4.940 ± 0.070 $\chi^2/\text{NDF}: 2847.8/27$

Left Out: 2.884 ± 0.070 $\chi^2/\text{NDF}: 8893.2/24$

Right Out: 3.888 ± 0.066 $\chi^2/\text{NDF}: 7787.9/30$

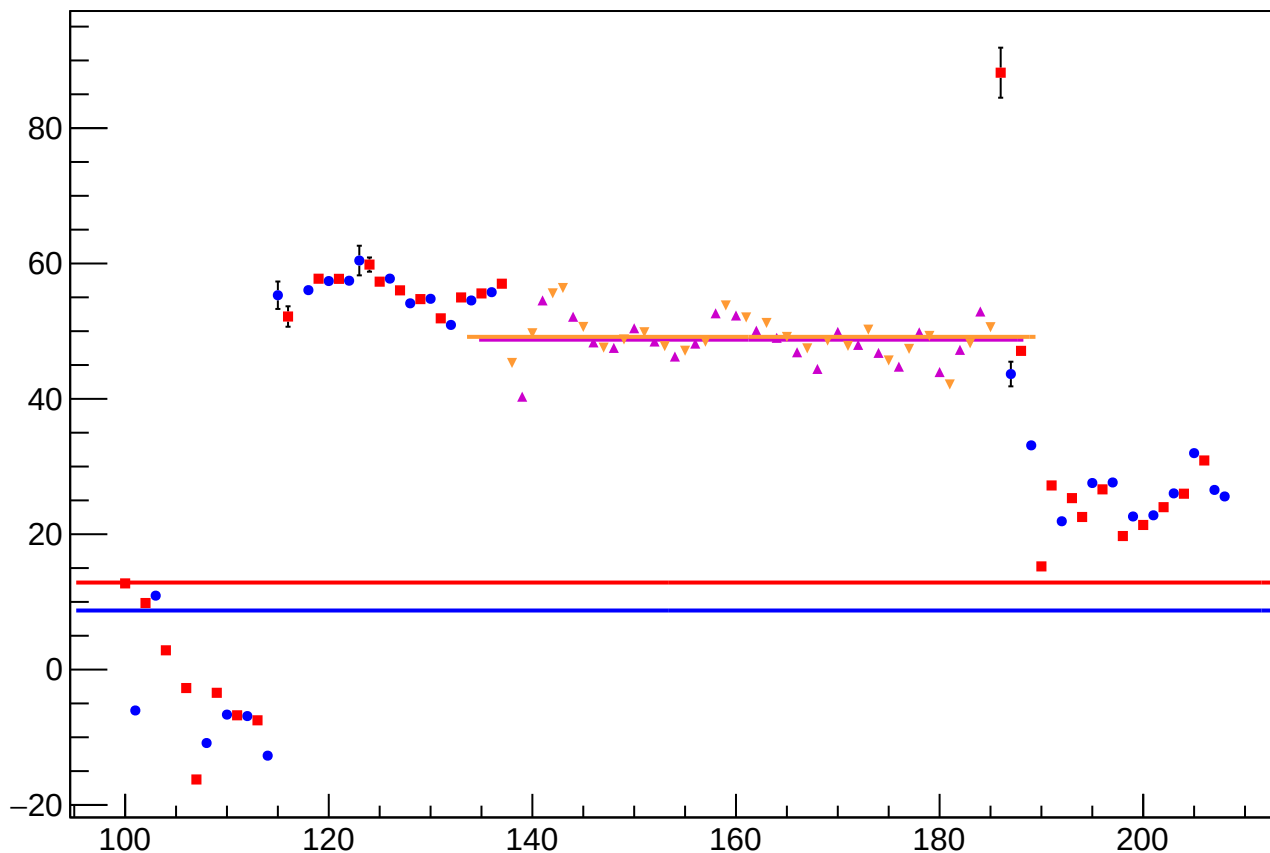
Left In: 2.745 ± 0.071 $\chi^2/\text{NDF}: 7183.1/22$

+ sign 3.921 ± 0.049 $\chi^2/\text{NDF}: 12172.5/52$

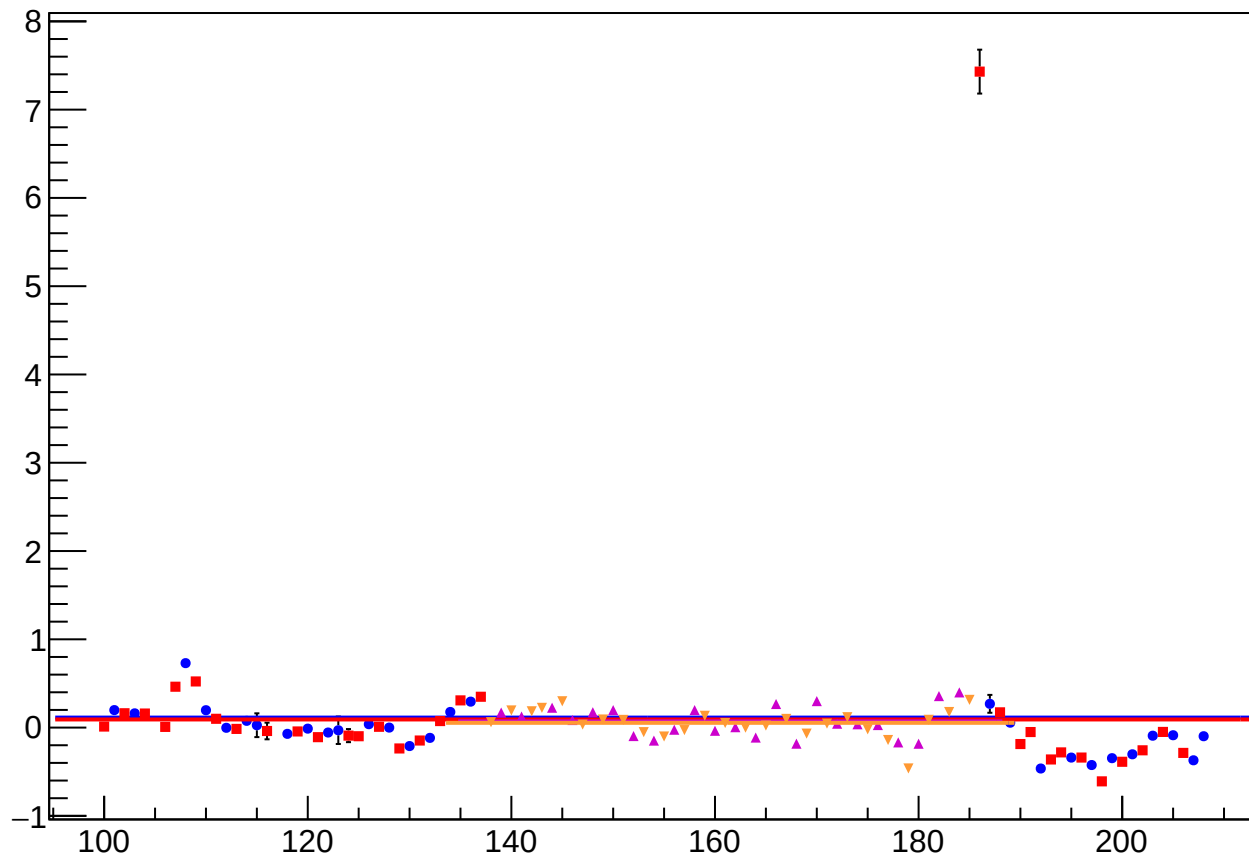
All: 3.635 ± 0.035 $\chi^2/\text{NDF}: 27346.4/106$

- sign 3.358 ± 0.049 $\chi^2/\text{NDF}: 15108.3/53$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.113 $\pm$ 0.002 χ^2 /NDF: 11562.1/27

Left Out: 0.054 $\pm$ 0.003 χ^2 /NDF: 2379.8/24

Right Out: 0.092 $\pm$ 0.002 χ^2 /NDF: 10932.8/30

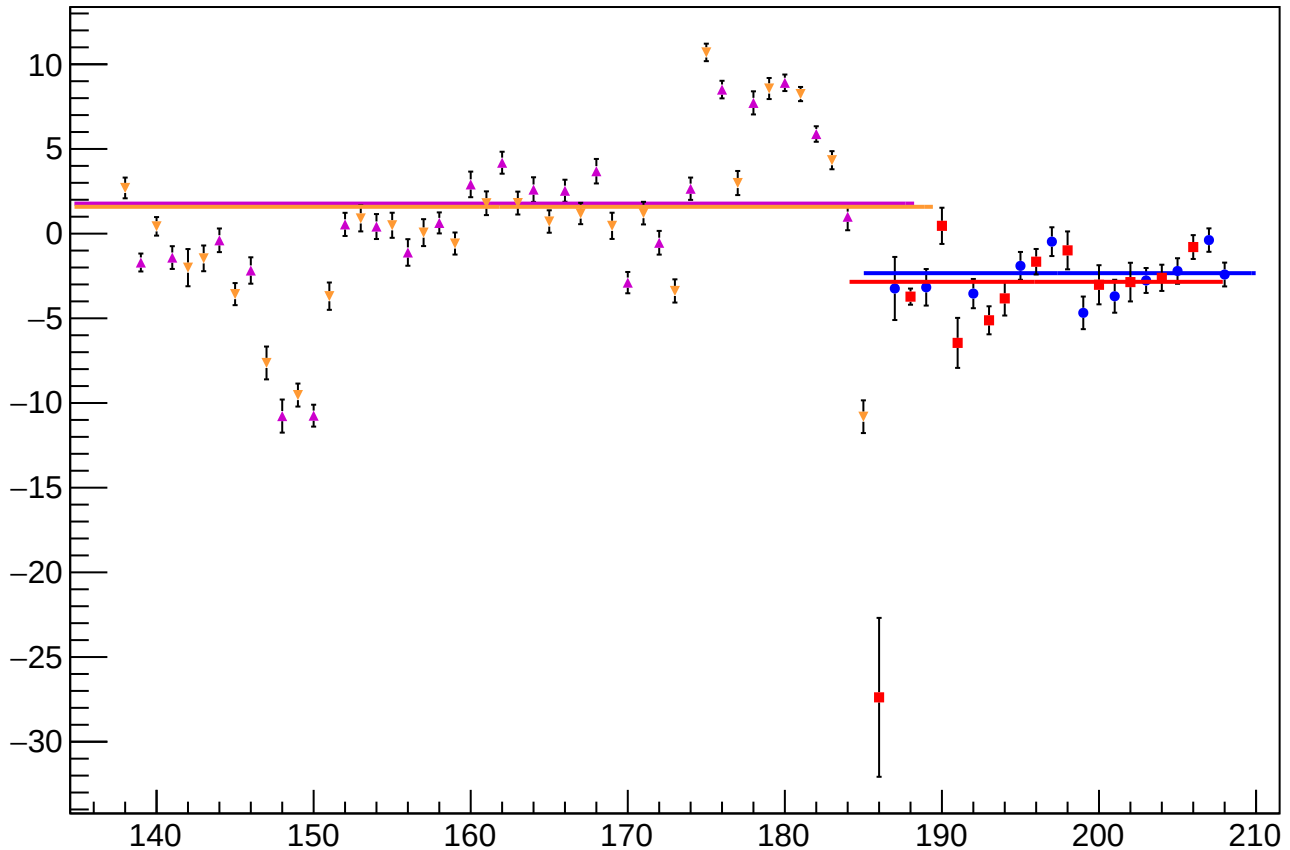
Left In: 0.070 $\pm$ 0.003 χ^2 /NDF: 3233.8/22

+ sign 0.087 $\pm$ 0.002 χ^2 /NDF: 14189.6/52

All: 0.085 $\pm$ 0.001 χ^2 /NDF: 28392.8/106

- sign 0.083 $\pm$ 0.002 χ^2 /NDF: 14200.6/53

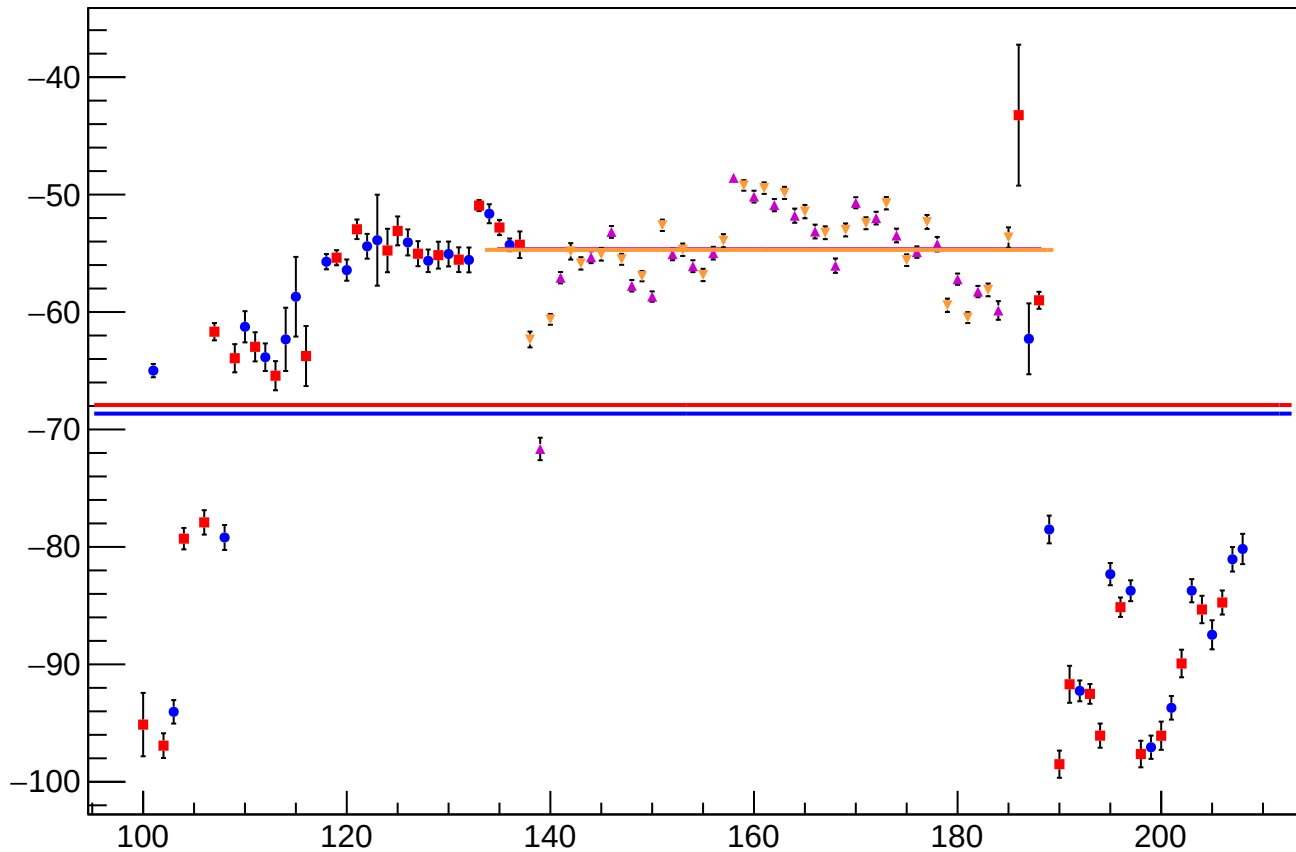
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.334 ± 0.256 χ^2/NDF : 24.1/10
 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 0.756 ± 0.118 χ^2/NDF : 1667.2/35
 All: 0.743 ± 0.084 χ^2/NDF : 3297.0/70
 - sign 0.729 ± 0.119 χ^2/NDF : 1629.9/34

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -68.650 ± 0.184 χ^2/NDF : 6862.2/27

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -67.919 ± 0.174 χ^2/NDF : 9729.6/30

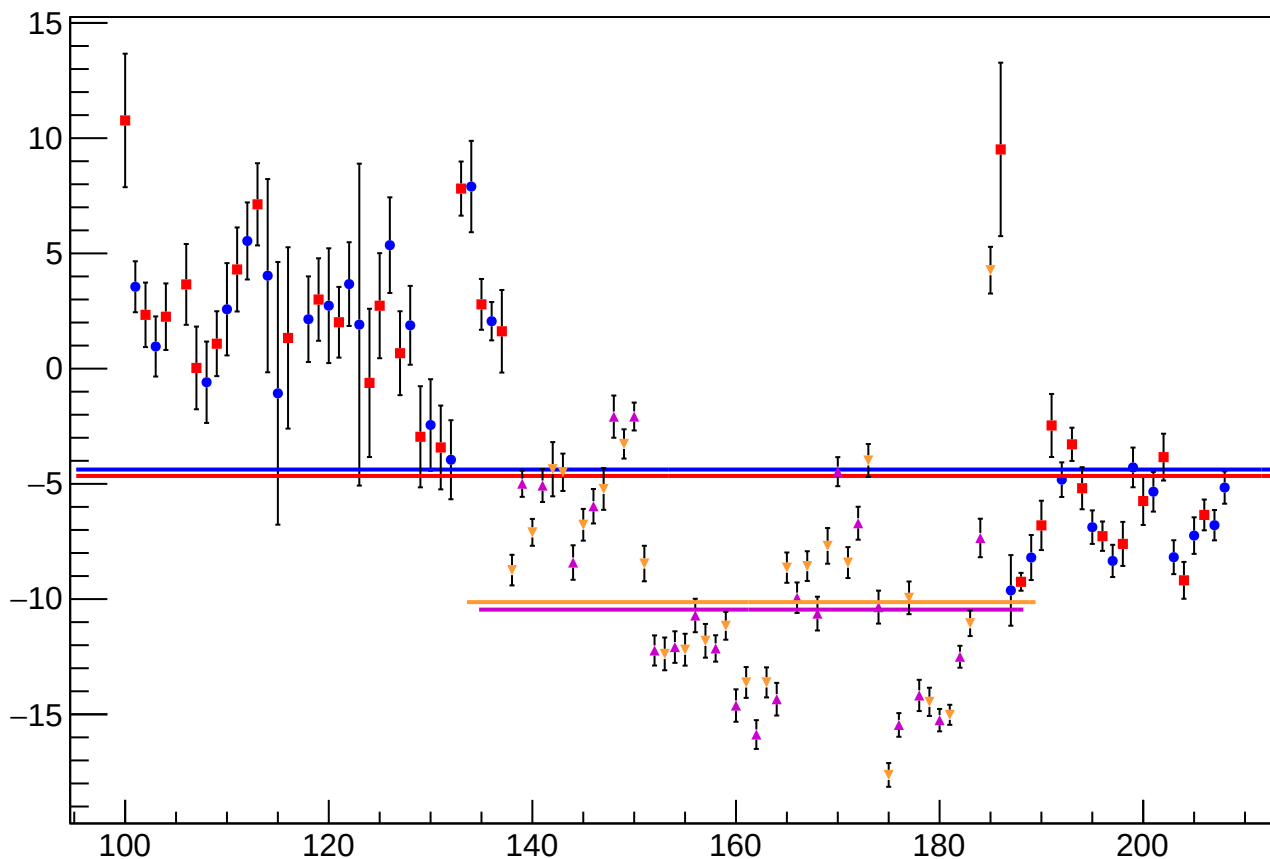
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -58.156 ± 0.092 χ^2/NDF : 12292.9/52

All: -58.289 ± 0.065 χ^2/NDF : 27261.1/106

- sign -58.426 ± 0.093 χ^2/NDF : 14964.0/53

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -4.379 ± 0.205 $\chi^2/\text{NDF}: 427.2/27$

Left Out: -10.131 ± 0.133 $\chi^2/\text{NDF}: 1055.4/24$

Right Out: -4.657 ± 0.192 $\chi^2/\text{NDF}: 653.6/30$

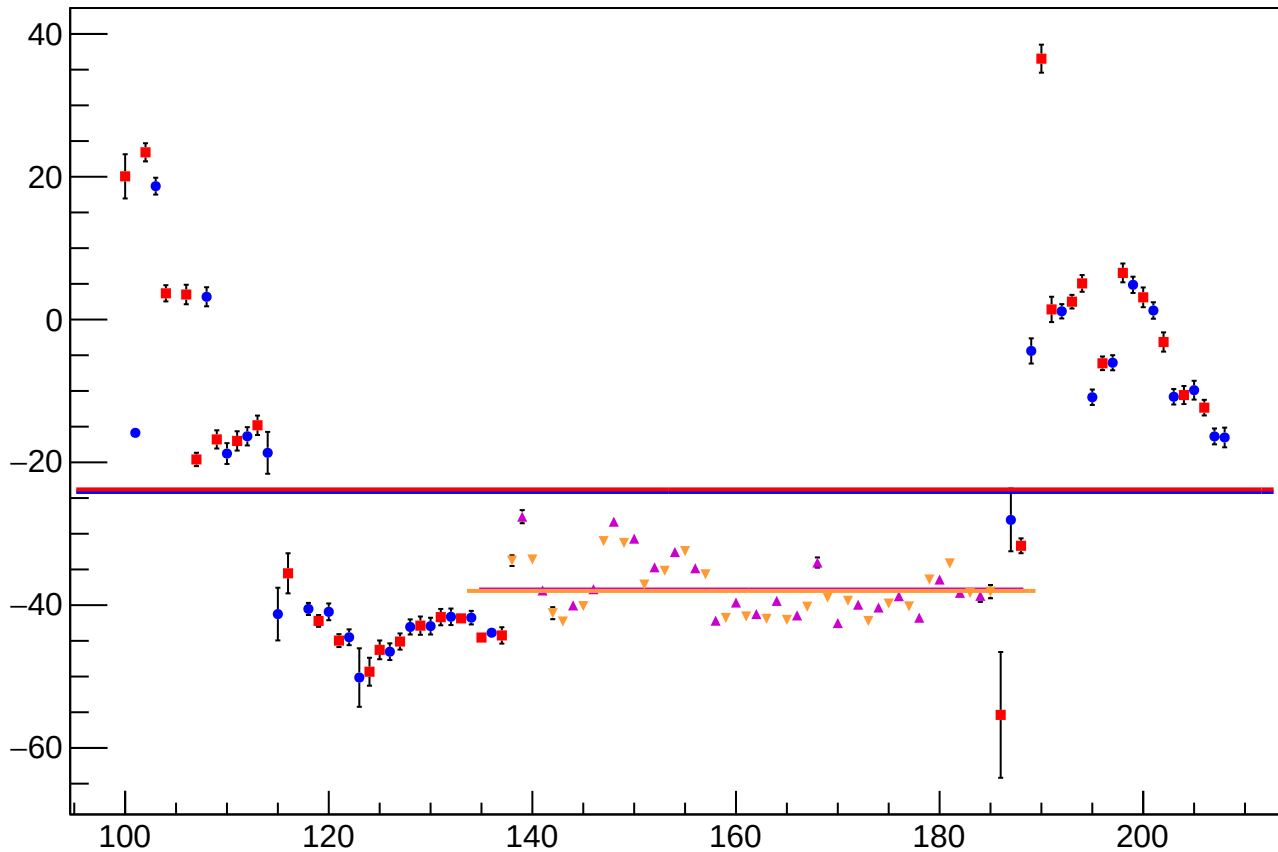
Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

+ sign -8.434 ± 0.112 $\chi^2/\text{NDF}: 2036.1/52$

All: -8.489 ± 0.078 $\chi^2/\text{NDF}: 4305.0/106$

- sign -8.543 ± 0.110 $\chi^2/\text{NDF}: 2268.4/53$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -24.146 ± 0.210 χ^2/NDF : 8436.1/27

Left Out: -38.006 ± 0.119 χ^2/NDF : 946.0/24

Right Out: -23.788 ± 0.203 χ^2/NDF : 11601.5/30

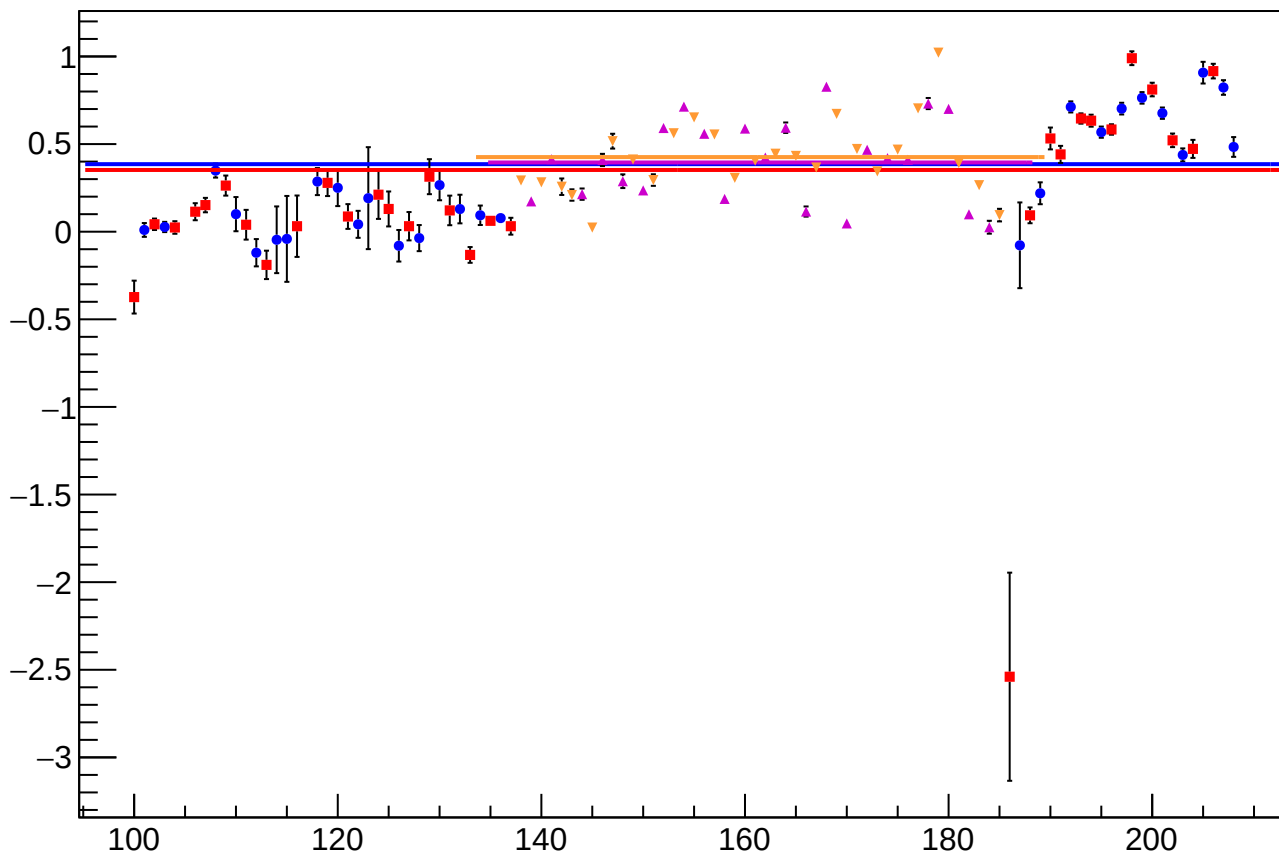
Left In: -37.809 ± 0.122 χ^2/NDF : 1039.9/22

+ sign -34.652 ± 0.103 χ^2/NDF : 12679.2/52

All: -34.366 ± 0.074 χ^2/NDF : 28839.5/106

- sign -34.072 ± 0.105 χ^2/NDF : 16144.7/53

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.385 $\pm$ 0.009 χ^2 /NDF: 1253.8/27

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

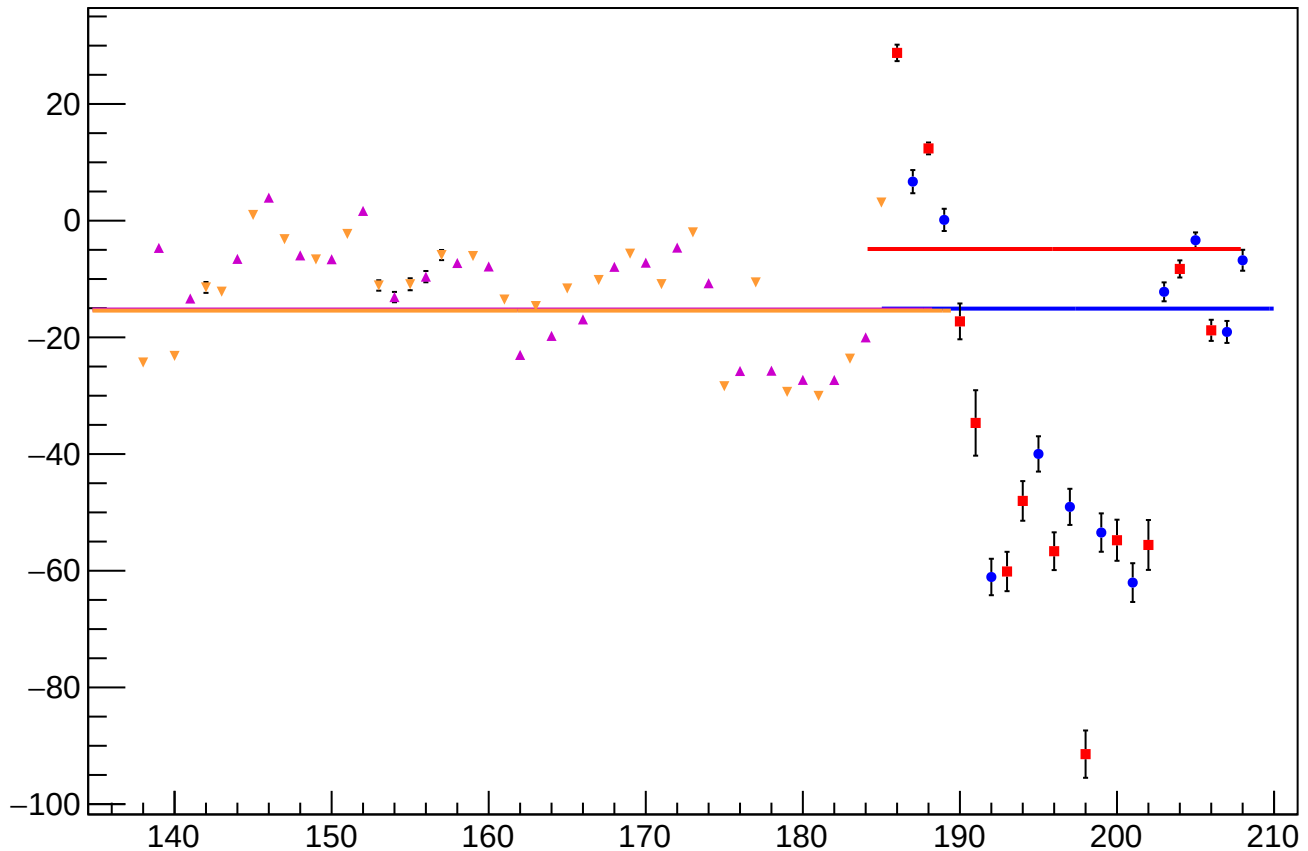
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.415 $\pm$ 0.005 χ^2 /NDF: 2572.9/52

All: 0.399 $\pm$ 0.003 χ^2 /NDF: 5988.7/106

- sign 0.383 $\pm$ 0.005 χ^2 /NDF: 3391.0/53

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -15.073 ± 0.625 $\chi^2/\text{NDF}: 1030.4/10$

Left Out: -15.413 ± 0.105 $\chi^2/\text{NDF}: 10509.1/24$

Right Out: -4.855 ± 0.592 $\chi^2/\text{NDF}: 2451.6/11$

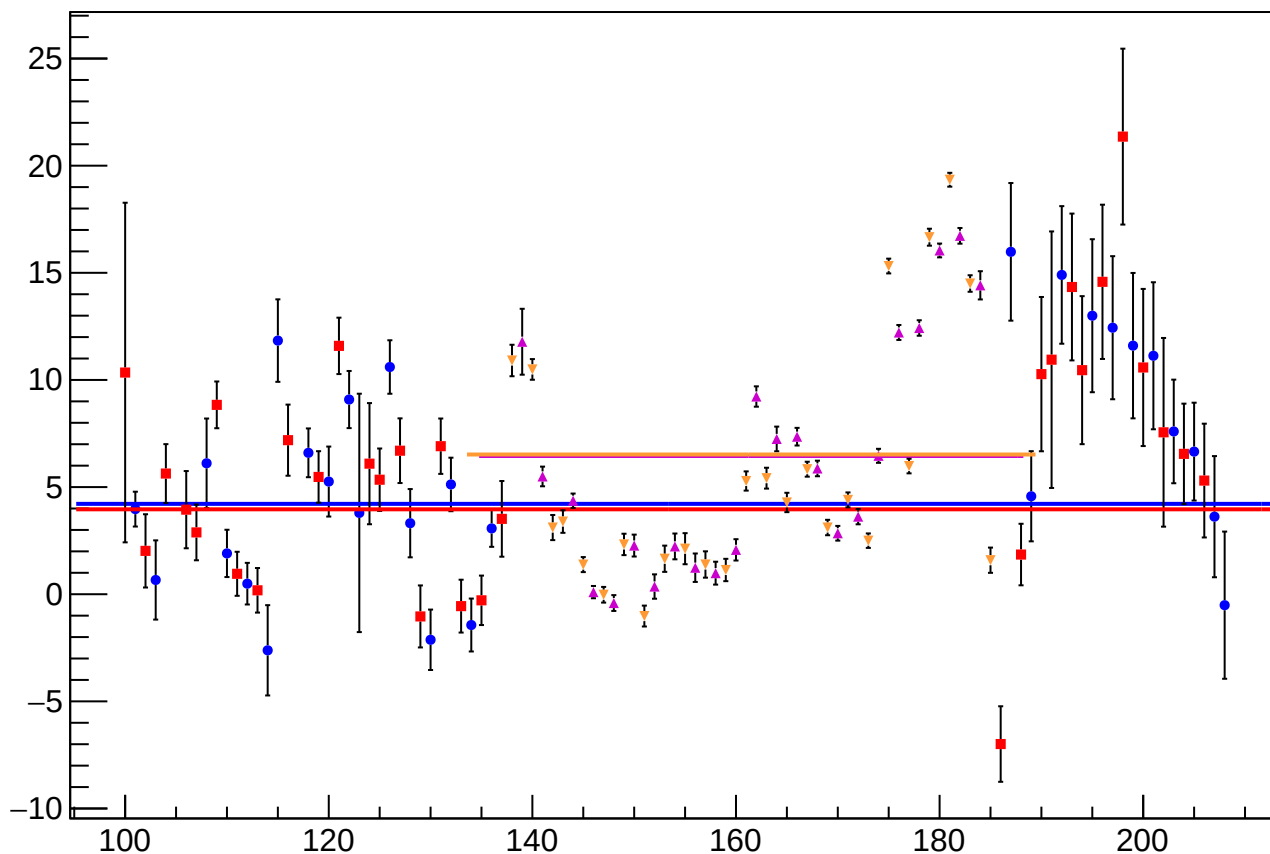
Left In: -15.229 ± 0.107 $\chi^2/\text{NDF}: 8657.3/22$

+ sign -15.403 ± 0.104 $\chi^2/\text{NDF}: 11539.8/35$

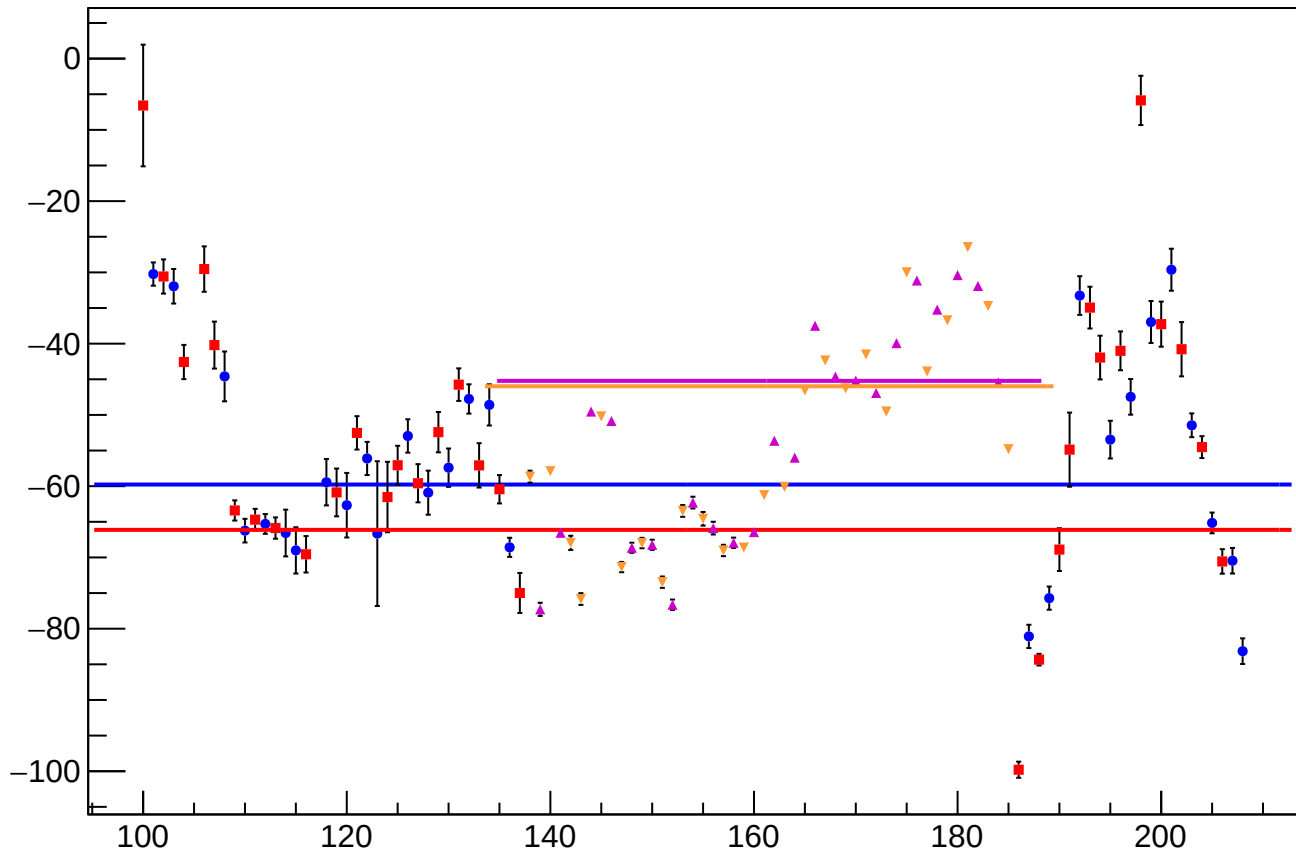
All: -15.156 ± 0.074 $\chi^2/\text{NDF}: 22957.5/70$

- sign -14.903 ± 0.105 $\chi^2/\text{NDF}: 11406.2/34$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -59.770 ± 0.400 χ^2/NDF : 1425.8/27

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -66.129 ± 0.371 χ^2/NDF : 2890.0/30

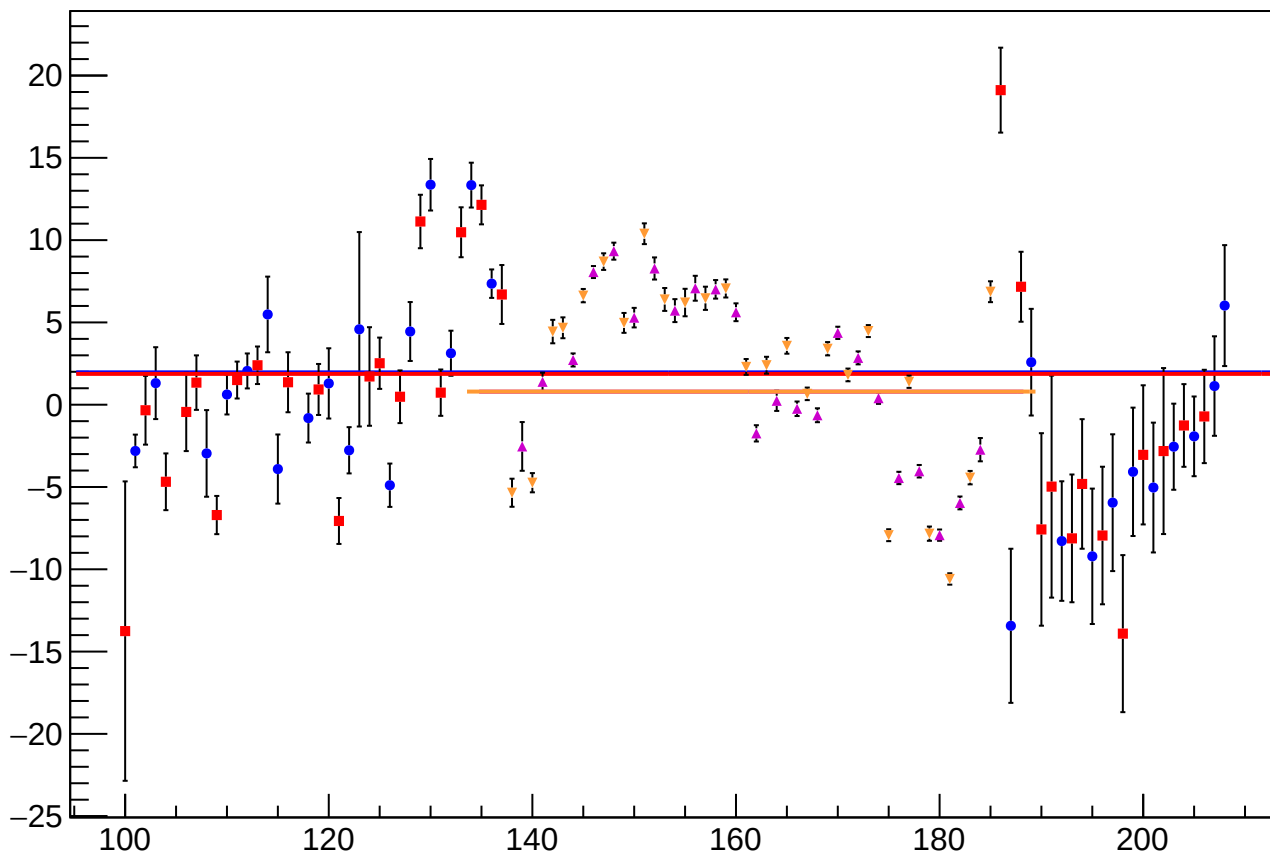
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -46.891 ± 0.103 χ^2/NDF : 19895.9/52

All: -46.862 ± 0.073 χ^2/NDF : 41317.9/106

- sign -46.833 ± 0.103 χ^2/NDF : 21421.9/53

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 1.965 $\pm$ 0.329 χ^2 /NDF: 286.9/27

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 1.873 $\pm$ 0.334 χ^2 /NDF: 349.7/30

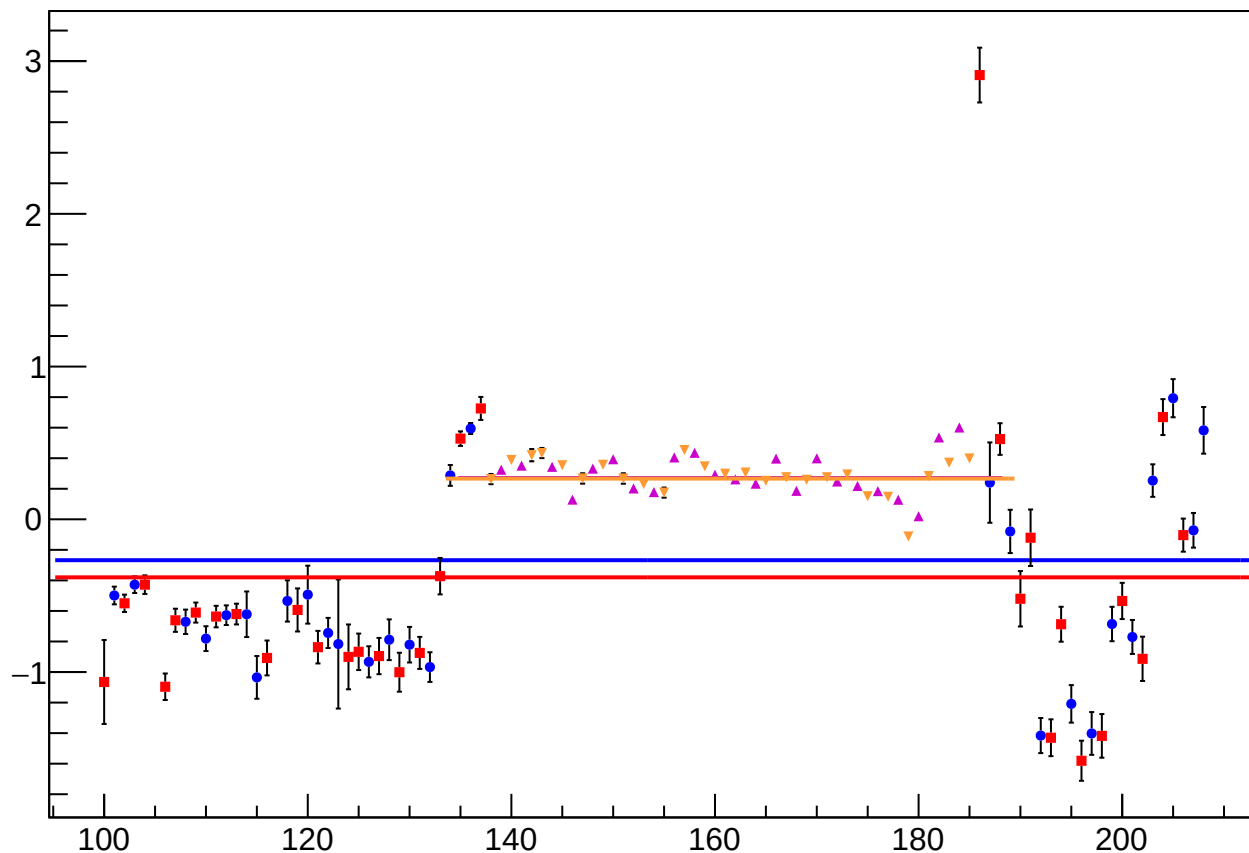
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.888 $\pm$ 0.092 χ^2 /NDF: 4058.5/52

All: 0.882 $\pm$ 0.065 χ^2 /NDF: 7110.3/106

- sign 0.875 $\pm$ 0.093 χ^2 /NDF: 3051.8/53

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.268 ± 0.017 χ^2/NDF : 1354.3/27

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.380 ± 0.017 χ^2/NDF : 1581.0/30

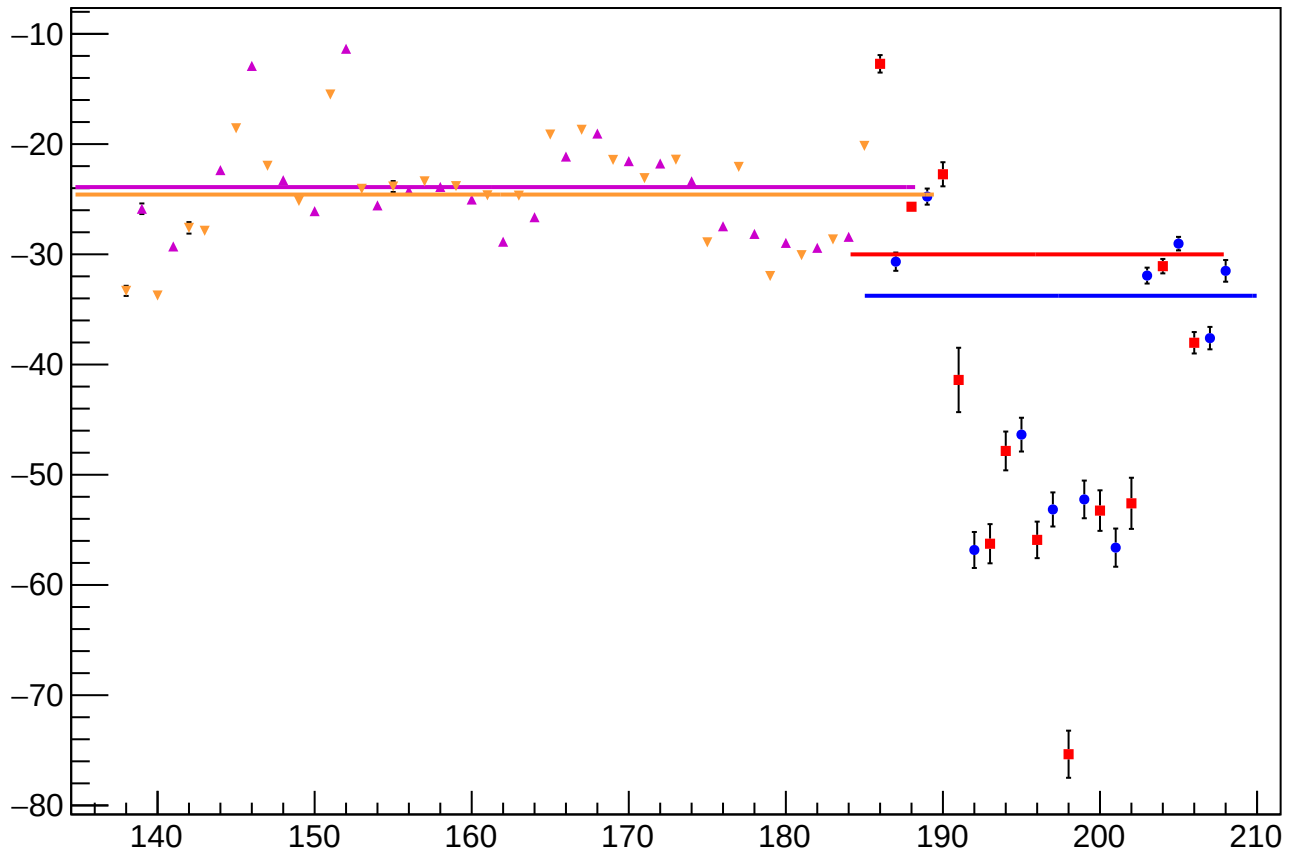
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.233 ± 0.004 χ^2/NDF : 2986.7/52

All: 0.231 ± 0.003 χ^2/NDF : 6916.7/106

- sign 0.229 ± 0.004 χ^2/NDF : 3929.4/53

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.761 ± 0.291 χ^2/NDF : 966.1/10

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -30.005 ± 0.277 χ^2/NDF : 1974.5/11

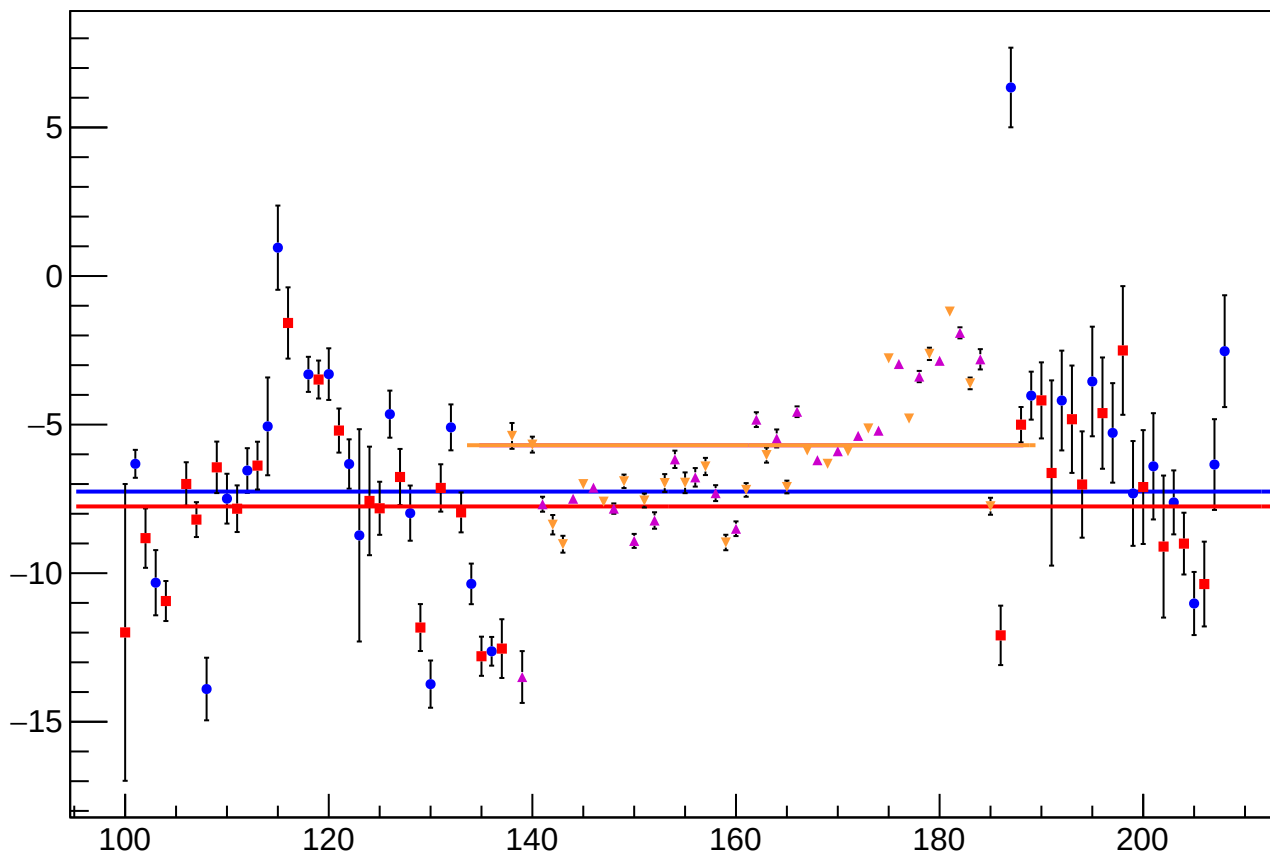
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.850 ± 0.050 χ^2/NDF : 10522.3/35

All: -24.476 ± 0.036 χ^2/NDF : 22232.2/70

- sign -24.102 ± 0.050 χ^2/NDF : 11598.8/34

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.254 ± 0.170 $\chi^2/\text{NDF}: 532.0/27$

Left Out: -5.694 ± 0.041 $\chi^2/\text{NDF}: 2258.3/24$

Right Out: -7.754 ± 0.166 $\chi^2/\text{NDF}: 289.4/30$

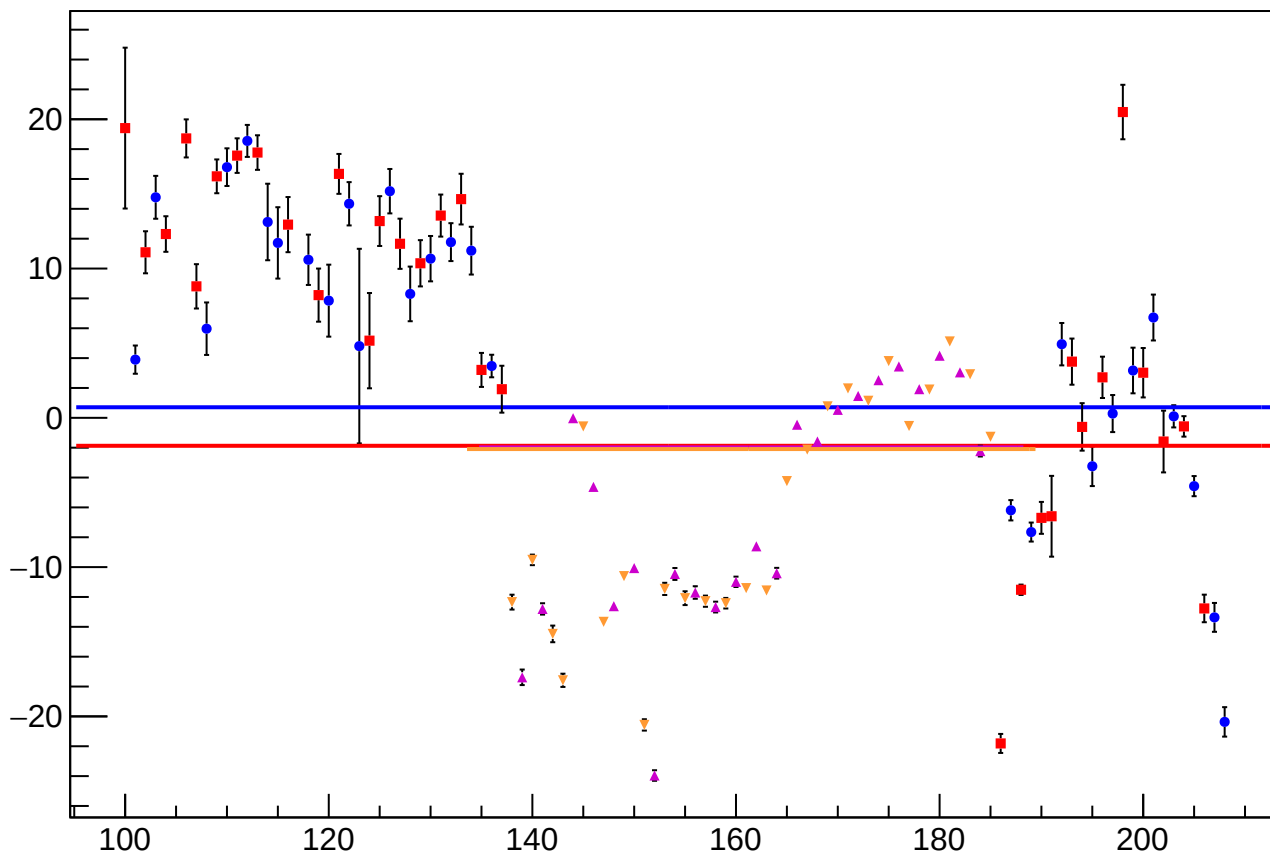
Left In: -5.696 ± 0.041 $\chi^2/\text{NDF}: 2309.8/22$

+ sign -5.780 ± 0.040 $\chi^2/\text{NDF}: 2870.0/52$

All: -5.797 ± 0.028 $\chi^2/\text{NDF}: 5614.9/106$

- sign -5.814 ± 0.040 $\chi^2/\text{NDF}: 2744.5/53$

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 0.708 $\pm$ 0.213 χ^2 /NDF: 2060.7/27

Left Out: -2.092 $\pm$ 0.051 χ^2 /NDF:16305.3/24

Right Out: -1.873 $\pm$ 0.195 χ^2 /NDF: 4220.1/30

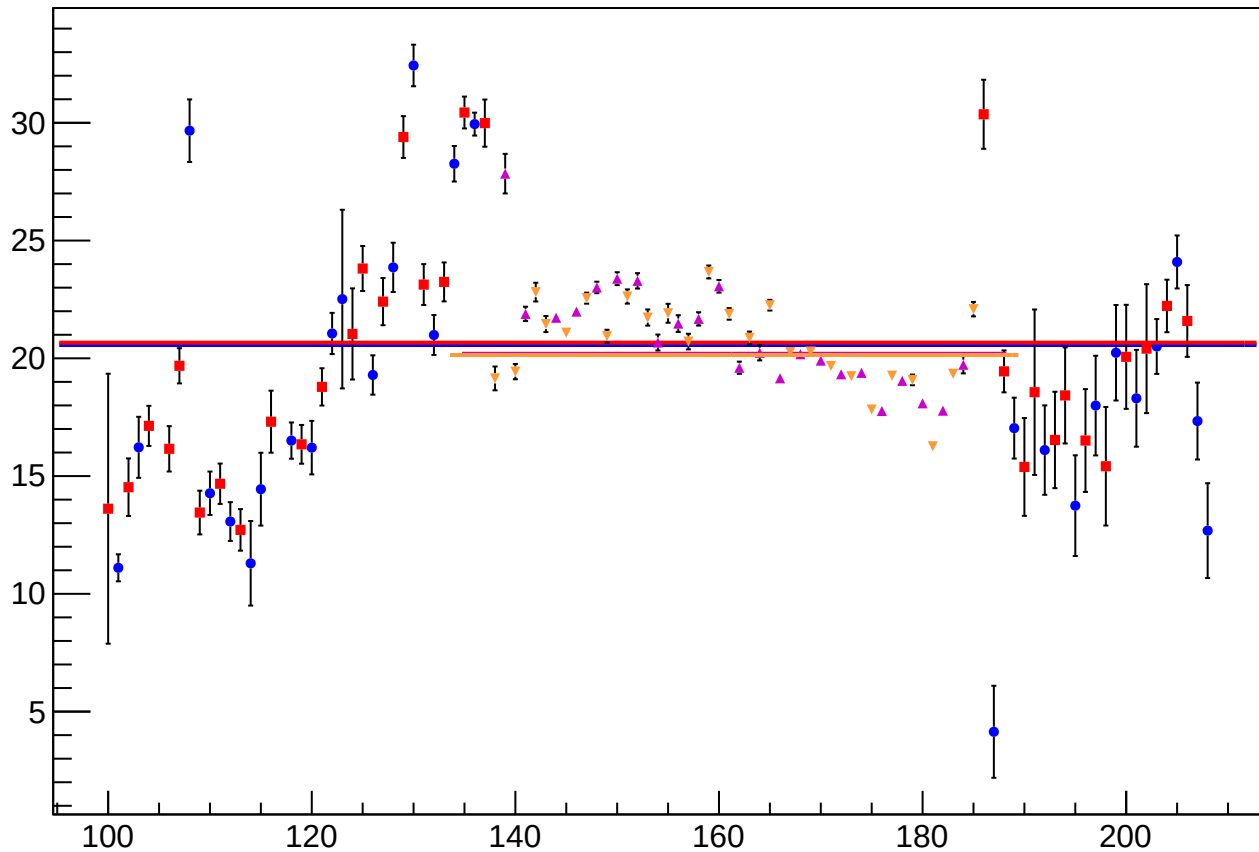
Left In: -1.980 $\pm$ 0.051 χ^2 /NDF:15382.3/22

+ sign -1.938 $\pm$ 0.050 χ^2 /NDF: 18529.1/52

All: -1.956 $\pm$ 0.035 χ^2 /NDF: 38132.0/106

- sign -1.973 $\pm$ 0.050 χ^2 /NDF: 19602.7/53

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.565 $\pm$ 0.194 χ^2 /NDF: 1340.1/27

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

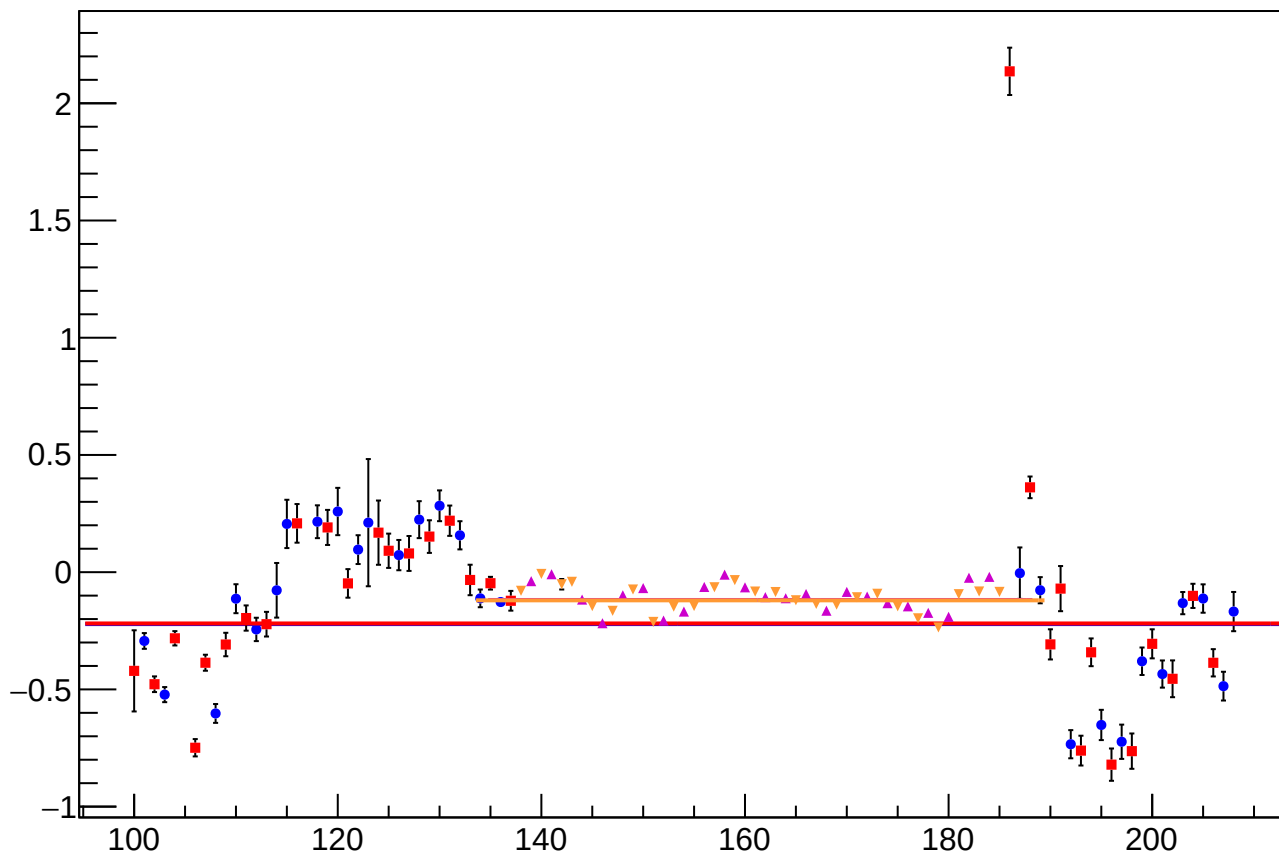
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.163 $\pm$ 0.045 χ^2 /NDF: 2763.8/52

All: 20.191 $\pm$ 0.032 χ^2 /NDF: 5007.3/106

- sign 20.219 $\pm$ 0.045 χ^2 /NDF: 2242.8/53

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.221 ± 0.010 χ^2/NDF : 697.8/27

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.219 ± 0.009 χ^2/NDF : 1470.2/30

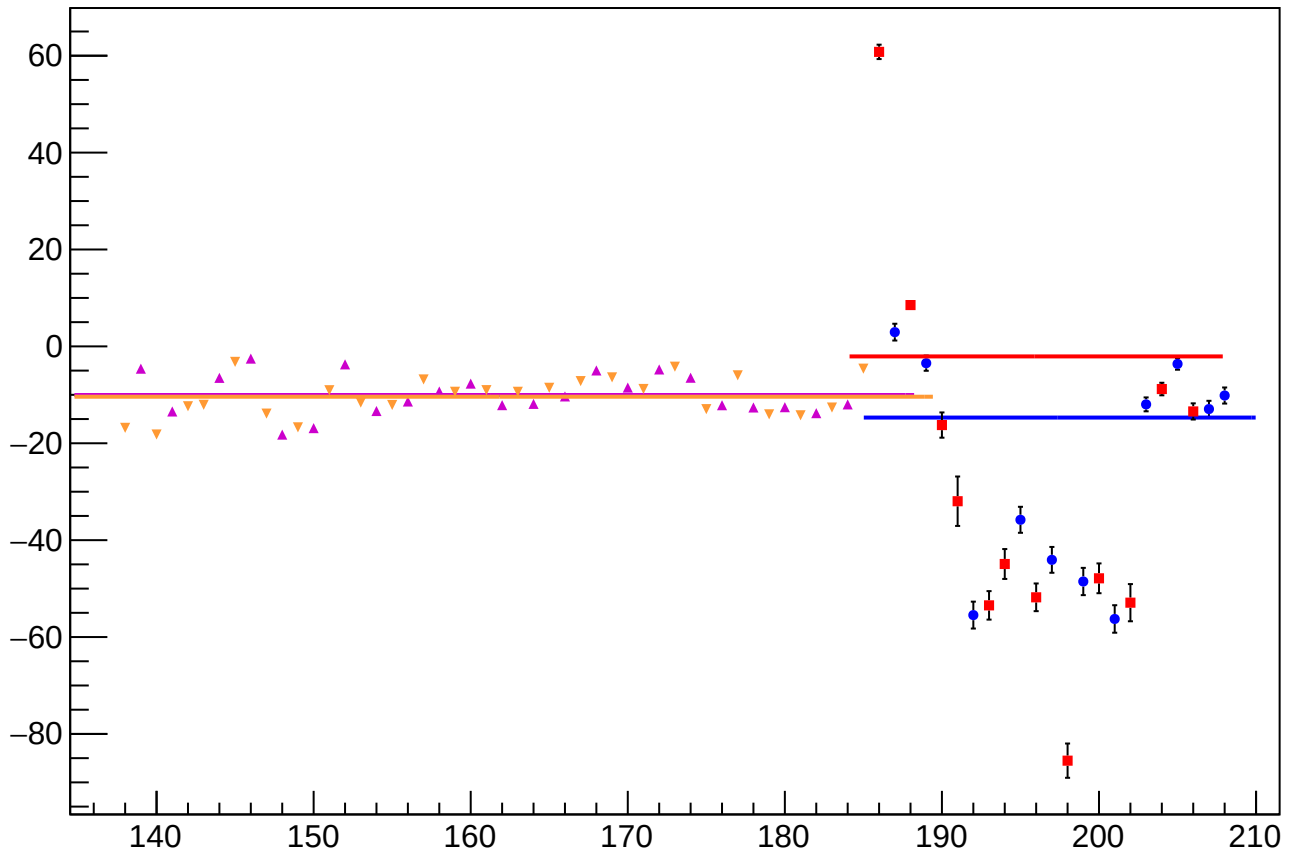
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.125 ± 0.002 χ^2/NDF : 1333.8/52

All: -0.124 ± 0.001 χ^2/NDF : 3633.3/106

- sign -0.123 ± 0.002 χ^2/NDF : 2299.3/53

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -14.694 ± 0.551 χ^2/NDF : 1011.0/10

Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24

Right Out: -2.071 ± 0.531 χ^2/NDF : 3832.2/11

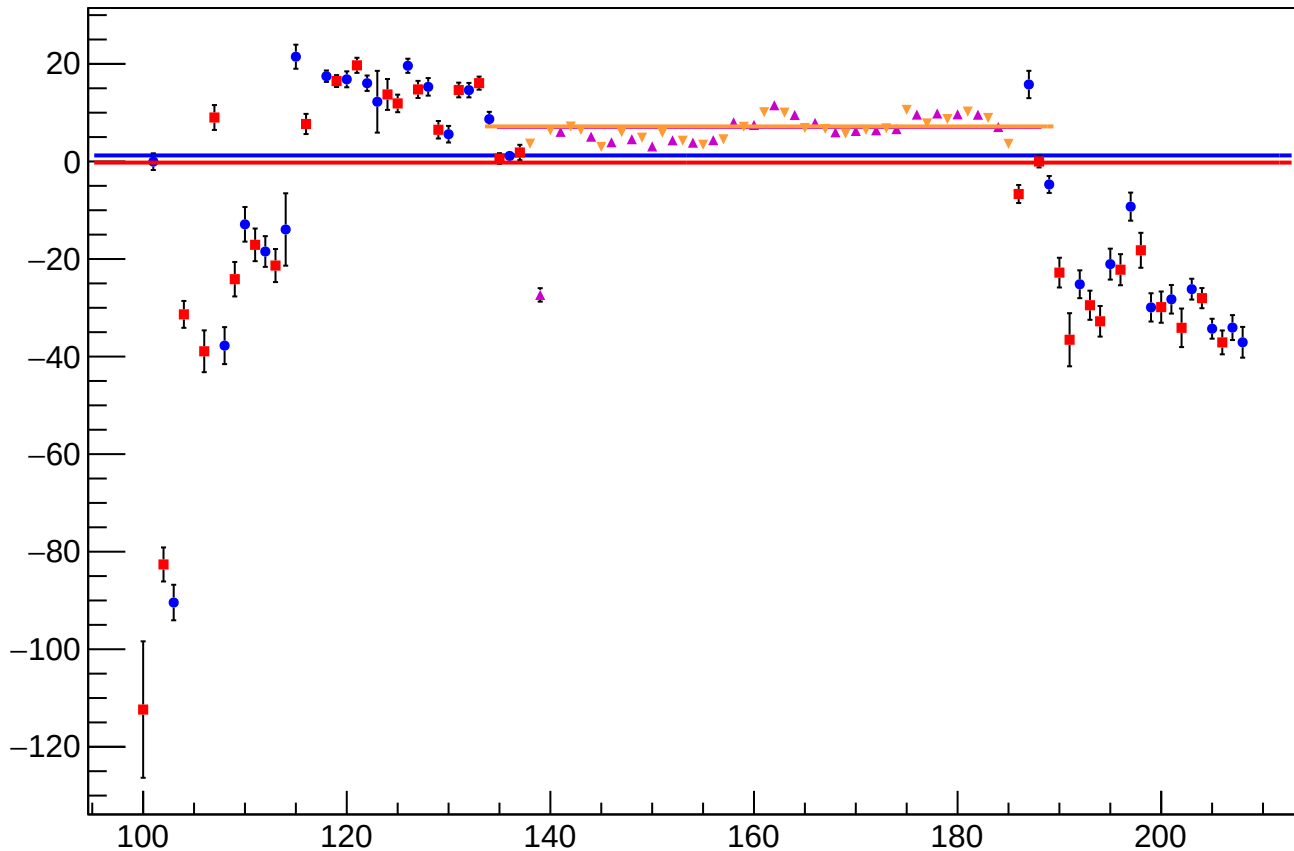
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.497 ± 0.087 χ^2/NDF : 3182.1/35

All: -10.163 ± 0.062 χ^2/NDF : 9022.0/70

- sign -9.816 ± 0.088 χ^2/NDF : 5809.5/34

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 1.235 ± 0.358 $\chi^2/\text{NDF}: 2784.8/27$

Left Out: 7.184 ± 0.073 $\chi^2/\text{NDF}: 917.3/24$

Right Out: -0.232 ± 0.369 $\chi^2/\text{NDF}: 2676.0/30$

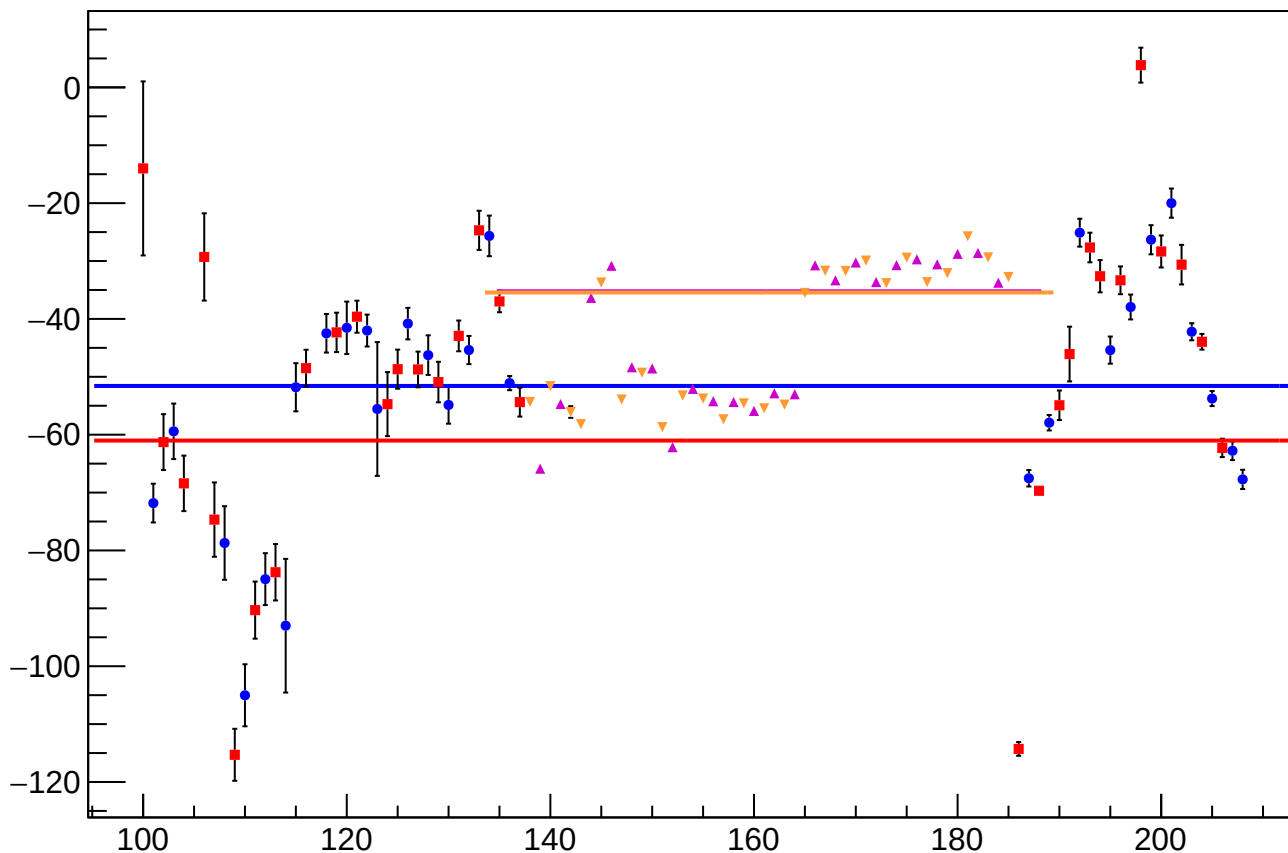
Left In: 7.053 ± 0.074 $\chi^2/\text{NDF}: 1535.8/22$

+ sign 6.944 ± 0.072 $\chi^2/\text{NDF}: 3966.5/52$

All: 6.858 ± 0.051 $\chi^2/\text{NDF}: 8556.1/106$

- sign 6.769 ± 0.073 $\chi^2/\text{NDF}: 4586.7/53$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.579 ± 0.425 $\chi^2/\text{NDF}: 1088.8/27$

Left Out: -35.434 ± 0.089 $\chi^2/\text{NDF}: 12782.8/24$

Right Out: -61.013 ± 0.399 $\chi^2/\text{NDF}: 4143.5/30$

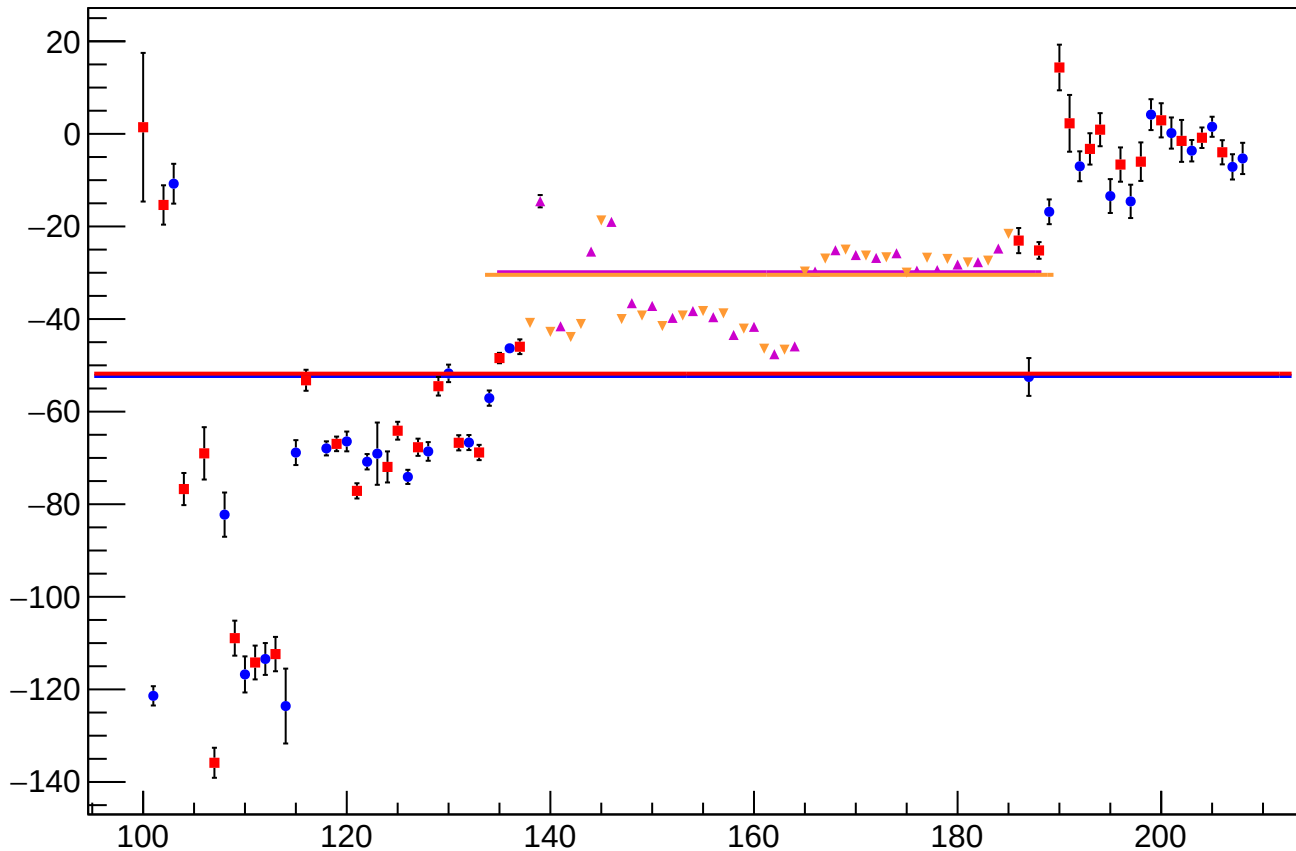
Left In: -35.229 ± 0.090 $\chi^2/\text{NDF}: 11602.9/22$

+ sign -36.114 ± 0.087 $\chi^2/\text{NDF}: 15257.0/52$

All: -36.295 ± 0.062 $\chi^2/\text{NDF}: 34982.4/106$

- sign -36.479 ± 0.088 $\chi^2/\text{NDF}: 19716.7/53$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -52.297 $\pm$ 0.402 χ^2 /NDF: 5278.6/27

Left Out: -30.448 $\pm$ 0.082 χ^2 /NDF: 8167.7/24

Right Out: -51.797 $\pm$ 0.424 χ^2 /NDF: 4785.1/30

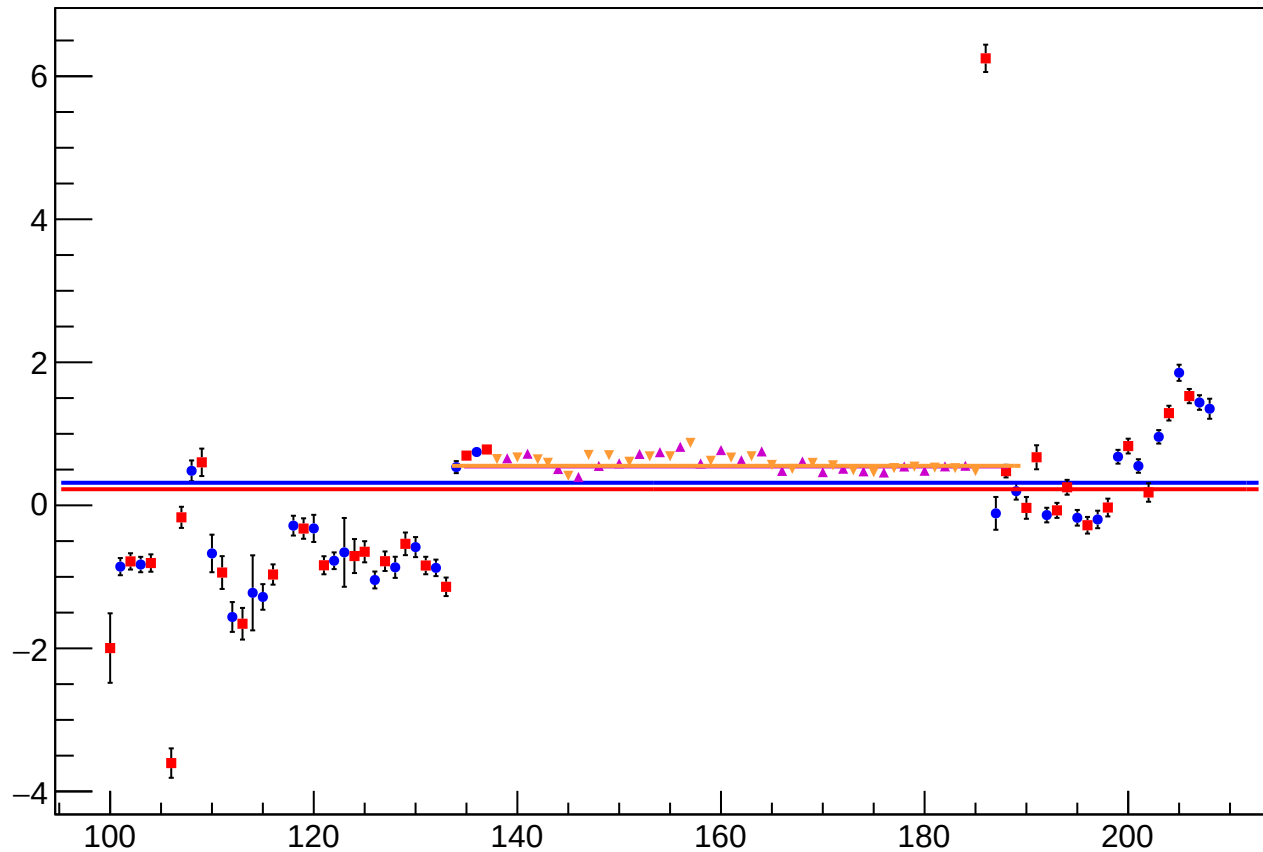
Left In: -29.892 $\pm$ 0.083 χ^2 /NDF: 7115.0/22

+ sign -31.313 $\pm$ 0.080 χ^2 /NDF: 16290.0/52

All: -31.006 $\pm$ 0.057 χ^2 /NDF: 30786.5/106

- sign -30.691 $\pm$ 0.081 χ^2 /NDF: 14466.7/53

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.316 ± 0.020 χ^2/NDF : 1521.8/27

Left Out: 0.553 ± 0.004 χ^2/NDF : 542.1/24

Right Out: 0.225 ± 0.021 χ^2/NDF : 2629.2/30

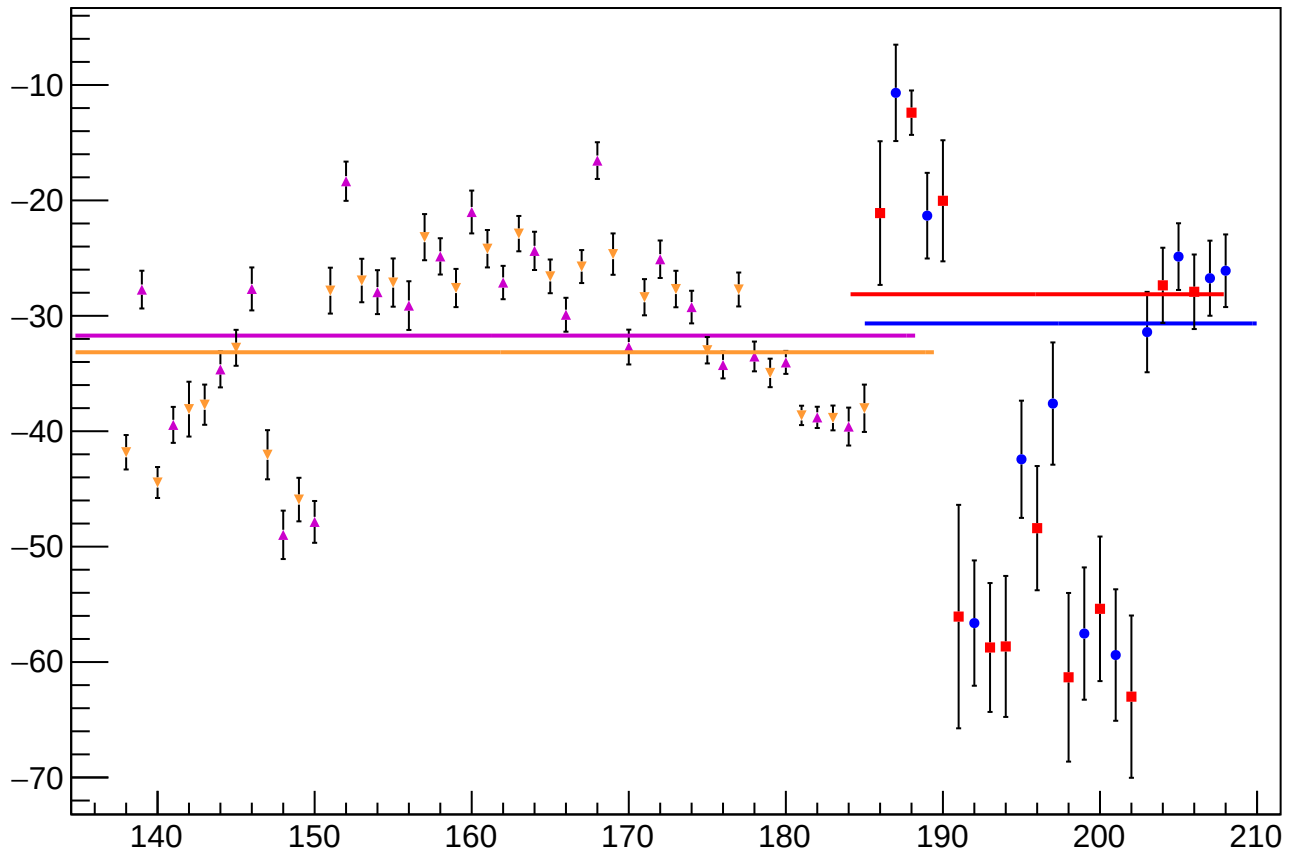
Left In: 0.544 ± 0.004 χ^2/NDF : 655.9/22

+ sign 0.545 ± 0.004 χ^2/NDF : 2206.1/52

All: 0.539 ± 0.003 χ^2/NDF : 5726.0/106

- sign 0.533 ± 0.004 χ^2/NDF : 3515.2/53

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -30.661 ± 1.198 χ^2/NDF : 114.2/10

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -28.131 ± 1.203 χ^2/NDF : 212.2/11

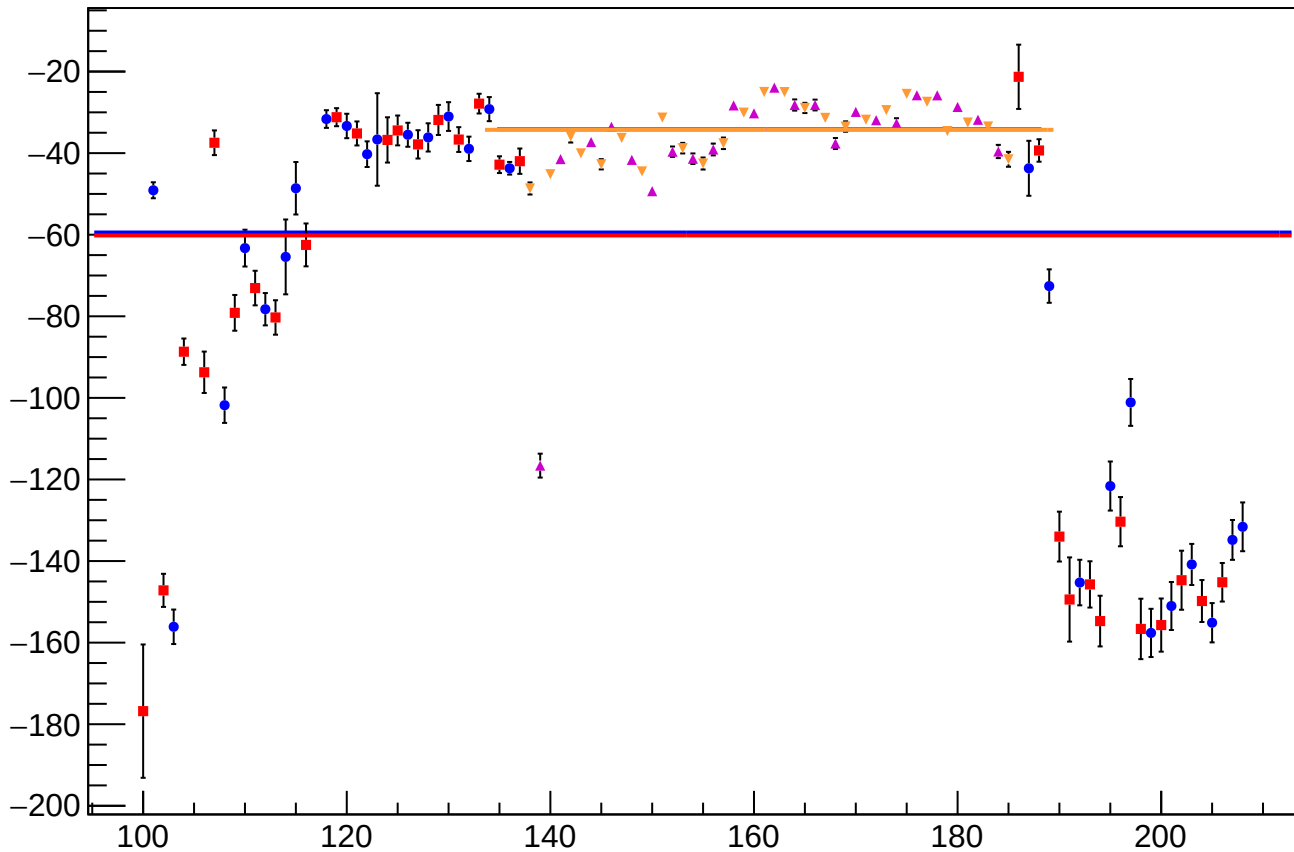
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -33.009 ± 0.291 χ^2/NDF : 618.4/35

All: -32.272 ± 0.209 χ^2/NDF : 1394.4/70

- sign -31.493 ± 0.299 χ^2/NDF : 762.8/34

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -59.462 ± 0.666 $\chi^2/\text{NDF}: 3354.9/27$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -60.178 ± 0.686 $\chi^2/\text{NDF}: 3539.5/30$

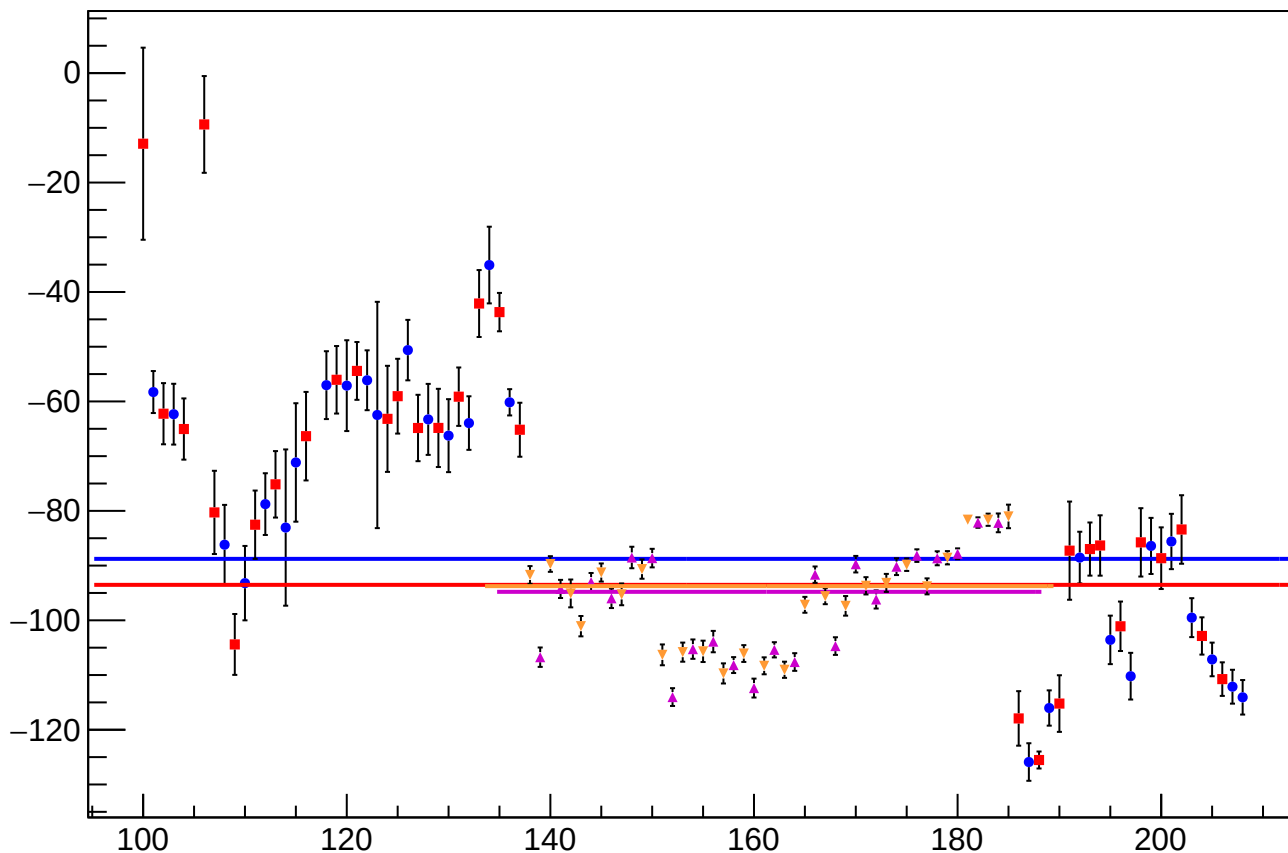
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -37.213 ± 0.227 $\chi^2/\text{NDF}: 5313.6/52$

All: -37.213 ± 0.163 $\chi^2/\text{NDF}: 11575.0/106$

- sign -37.212 ± 0.236 $\chi^2/\text{NDF}: 6261.5/53$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -88.770 ± 0.853 χ^2/NDF : 862.9/27

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -93.519 ± 0.837 χ^2/NDF : 1230.1/30

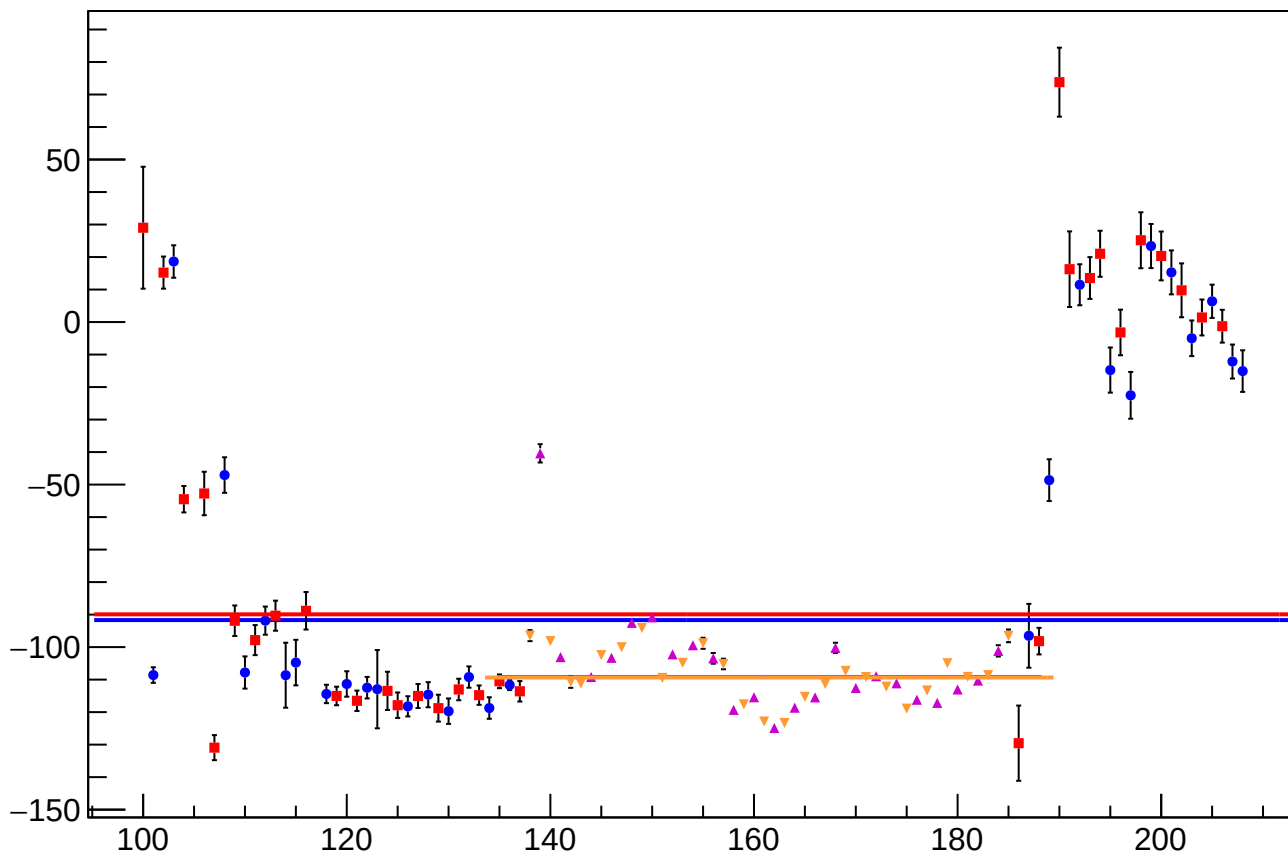
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -93.199 ± 0.284 χ^2/NDF : 1776.3/52

All: -93.909 ± 0.203 χ^2/NDF : 3995.8/106

- sign -94.643 ± 0.289 χ^2/NDF : 2206.9/53

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -91.686 ± 0.752 $\chi^2/\text{NDF}: 3230.7/27$

Left Out: -109.351 ± 0.271 $\chi^2/\text{NDF}: 826.8/24$

Right Out: -89.921 ± 0.788 $\chi^2/\text{NDF}: 3414.0/30$

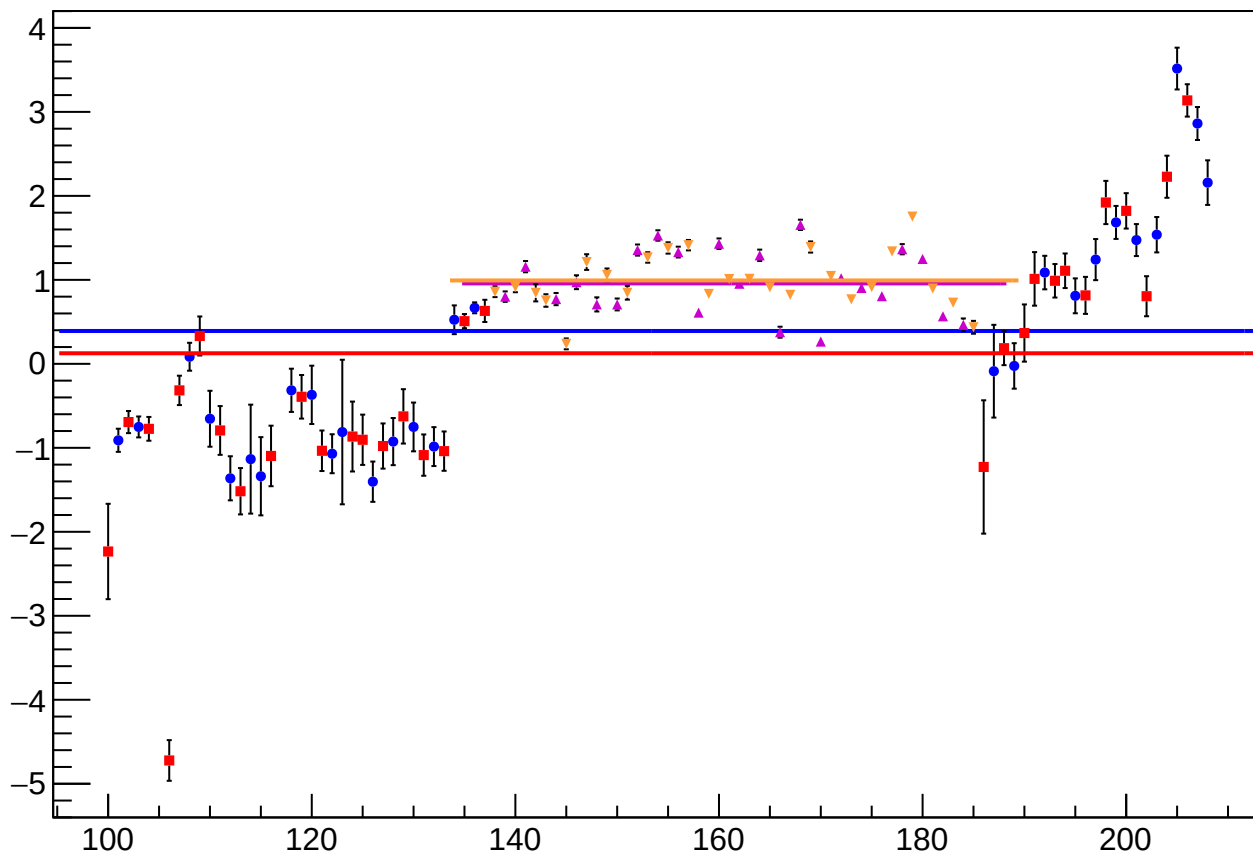
Left In: -109.184 ± 0.280 $\chi^2/\text{NDF}: 1501.1/22$

+ sign -107.317 ± 0.255 $\chi^2/\text{NDF}: 4546.1/52$

All: -107.177 ± 0.183 $\chi^2/\text{NDF}: 9992.3/106$

- sign -107.027 ± 0.264 $\chi^2/\text{NDF}: 5445.5/53$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.391 ± 0.036 $\chi^2/\text{NDF}: 949.1/27$

Left Out: 0.993 ± 0.012 $\chi^2/\text{NDF}: 638.6/24$

Right Out: 0.126 ± 0.037 $\chi^2/\text{NDF}: 1210.5/30$

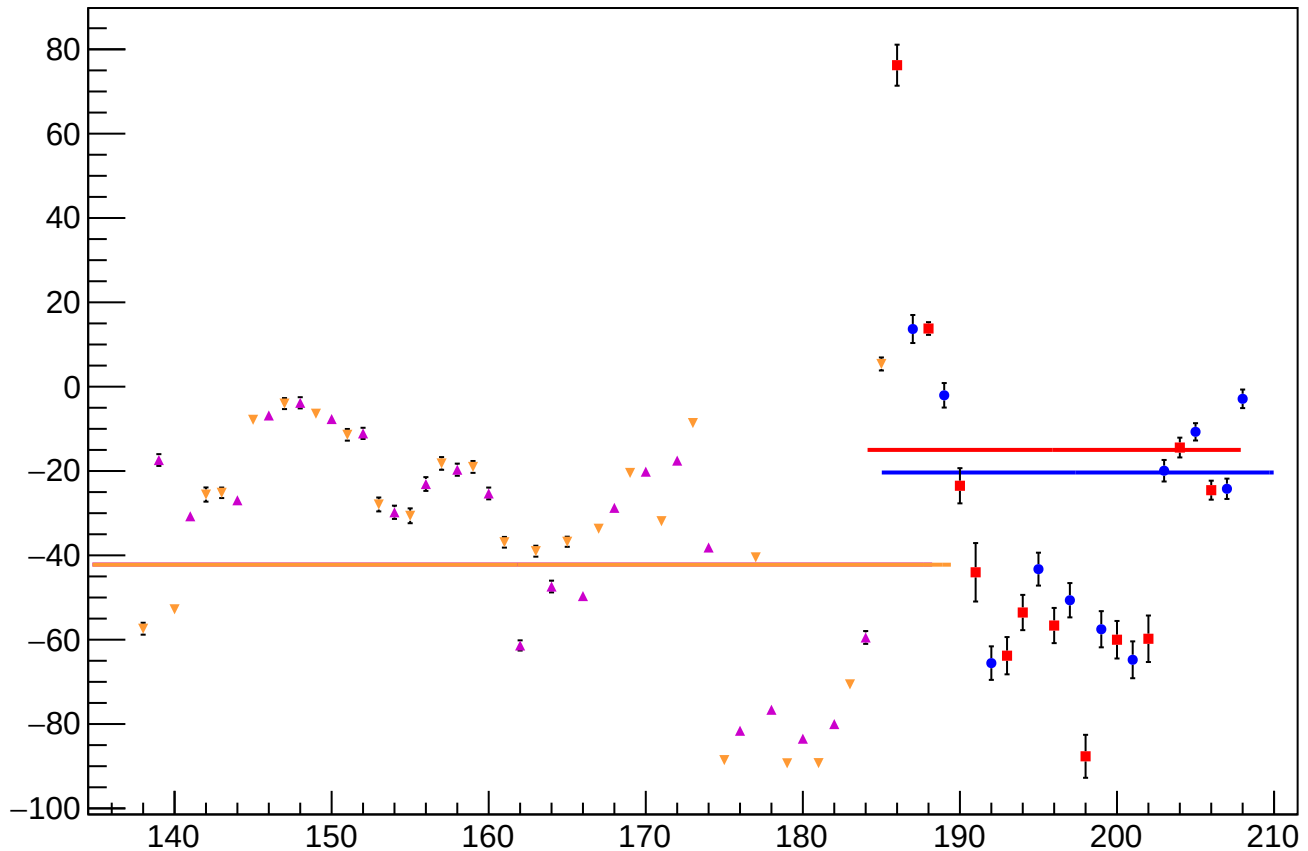
Left In: 0.958 ± 0.013 $\chi^2/\text{NDF}: 894.5/22$

+ sign 0.929 ± 0.012 $\chi^2/\text{NDF}: 1837.8/52$

All: 0.901 ± 0.008 $\chi^2/\text{NDF}: 4405.5/106$

- sign 0.871 ± 0.012 $\chi^2/\text{NDF}: 2555.9/53$

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -20.354 ± 0.886 $\chi^2/\text{NDF}: 629.5/10$

Left Out: -42.213 ± 0.222 $\chi^2/\text{NDF}: 18309.1/24$

Right Out: -14.995 ± 0.903 $\chi^2/\text{NDF}: 1433.8/11$

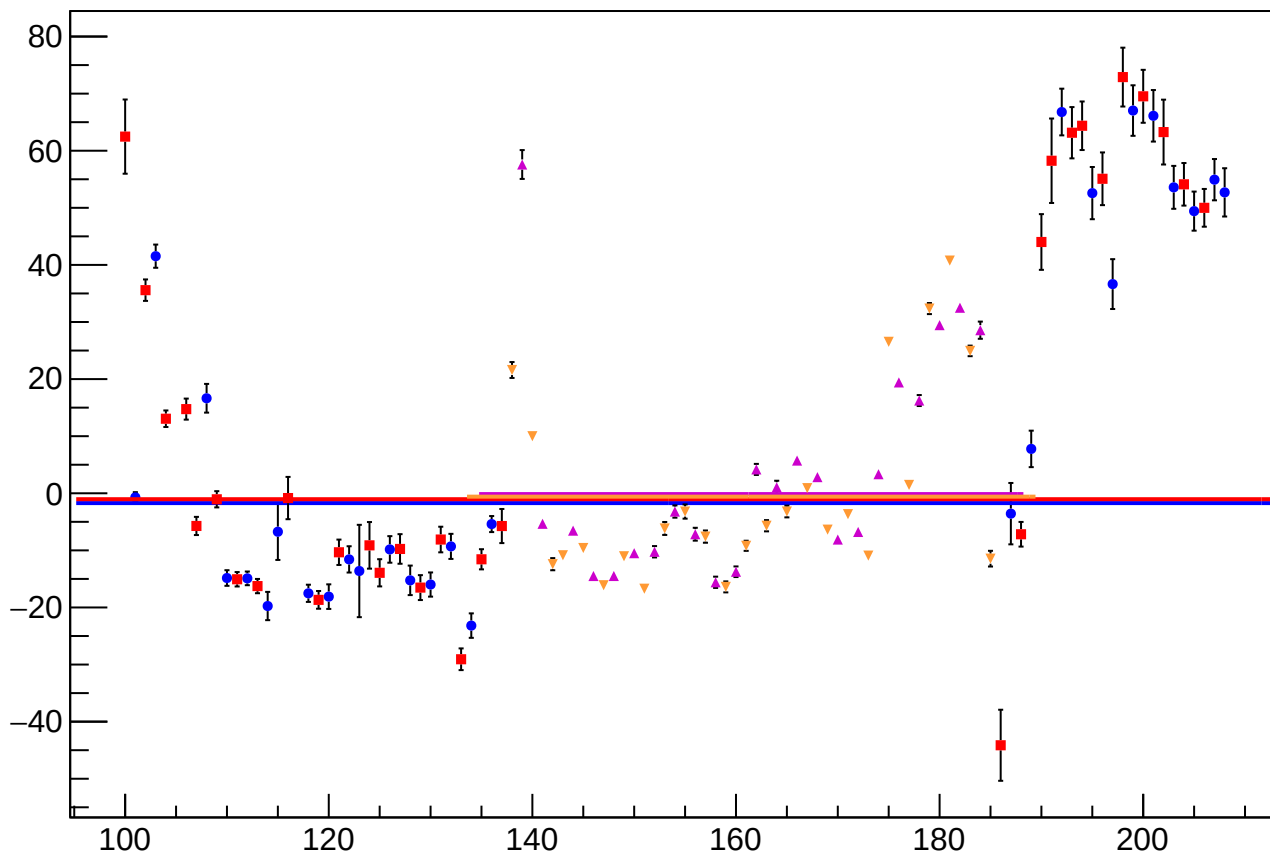
Left In: -42.176 ± 0.227 $\chi^2/\text{NDF}: 14575.9/22$

+ sign -40.921 ± 0.215 $\chi^2/\text{NDF}: 19511.4/35$

All: -40.744 ± 0.154 $\chi^2/\text{NDF}: 36375.1/70$

- sign -40.559 ± 0.220 $\chi^2/\text{NDF}: 16862.3/34$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -1.718 ± 0.406 χ^2/NDF : 2992.6/27

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: -1.037 ± 0.403 χ^2/NDF : 3246.7/30

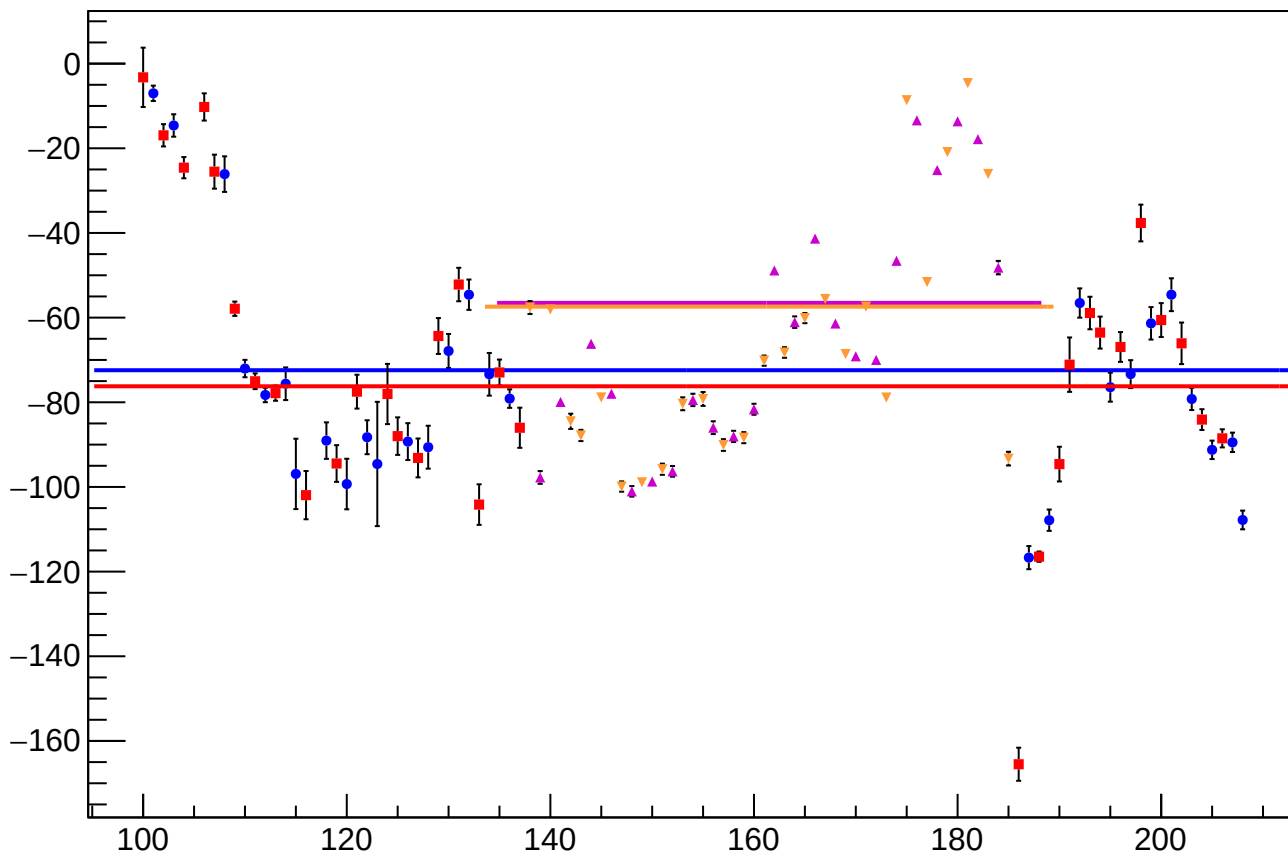
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -0.766 ± 0.160 χ^2/NDF : 11750.1/52

All: -0.533 ± 0.114 χ^2/NDF : 21867.6/106

- sign -0.289 ± 0.164 χ^2/NDF : 10113.3/53

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -72.428 ± 0.556 χ^2/NDF : 2936.5/27

Left Out: -57.413 ± 0.223 χ^2/NDF : 18604.1/24

Right Out: -76.222 ± 0.527 χ^2/NDF : 3696.9/30

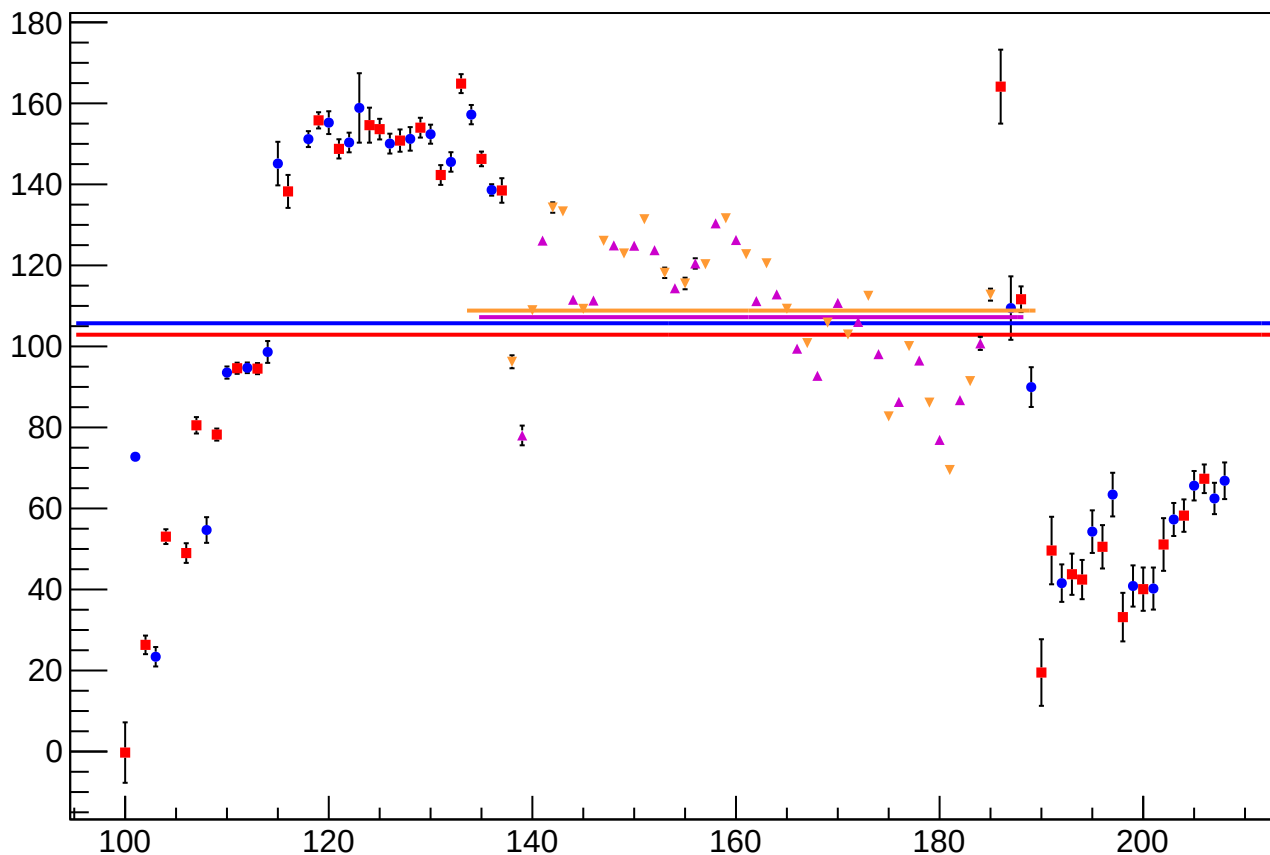
Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

+ sign -59.494 ± 0.207 χ^2/NDF : 22167.8/52

All: -59.547 ± 0.147 χ^2/NDF : 43394.7/106

- sign -59.599 ± 0.209 χ^2/NDF : 21226.8/53

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 105.717 $\pm$ 0.463 χ^2 /NDF: 7130.0/27

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

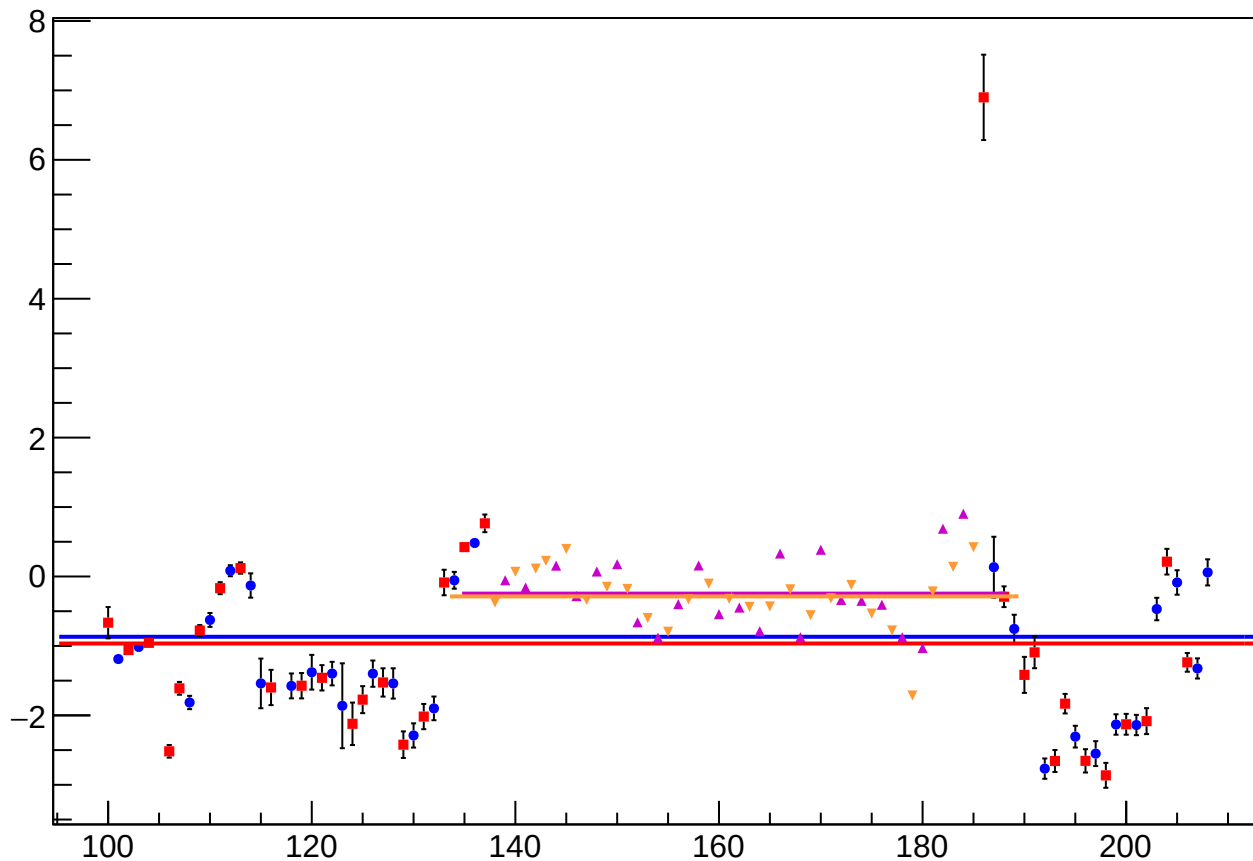
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.365 $\pm$ 0.181 χ^2 /NDF: 14568.9/52

All: 107.466 $\pm$ 0.130 χ^2 /NDF: 28524.6/106

- sign 106.527 $\pm$ 0.185 χ^2 /NDF: 13905.5/53

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.868 ± 0.023 χ^2/NDF : 1591.3/27

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.965 ± 0.022 χ^2/NDF : 2034.0/30

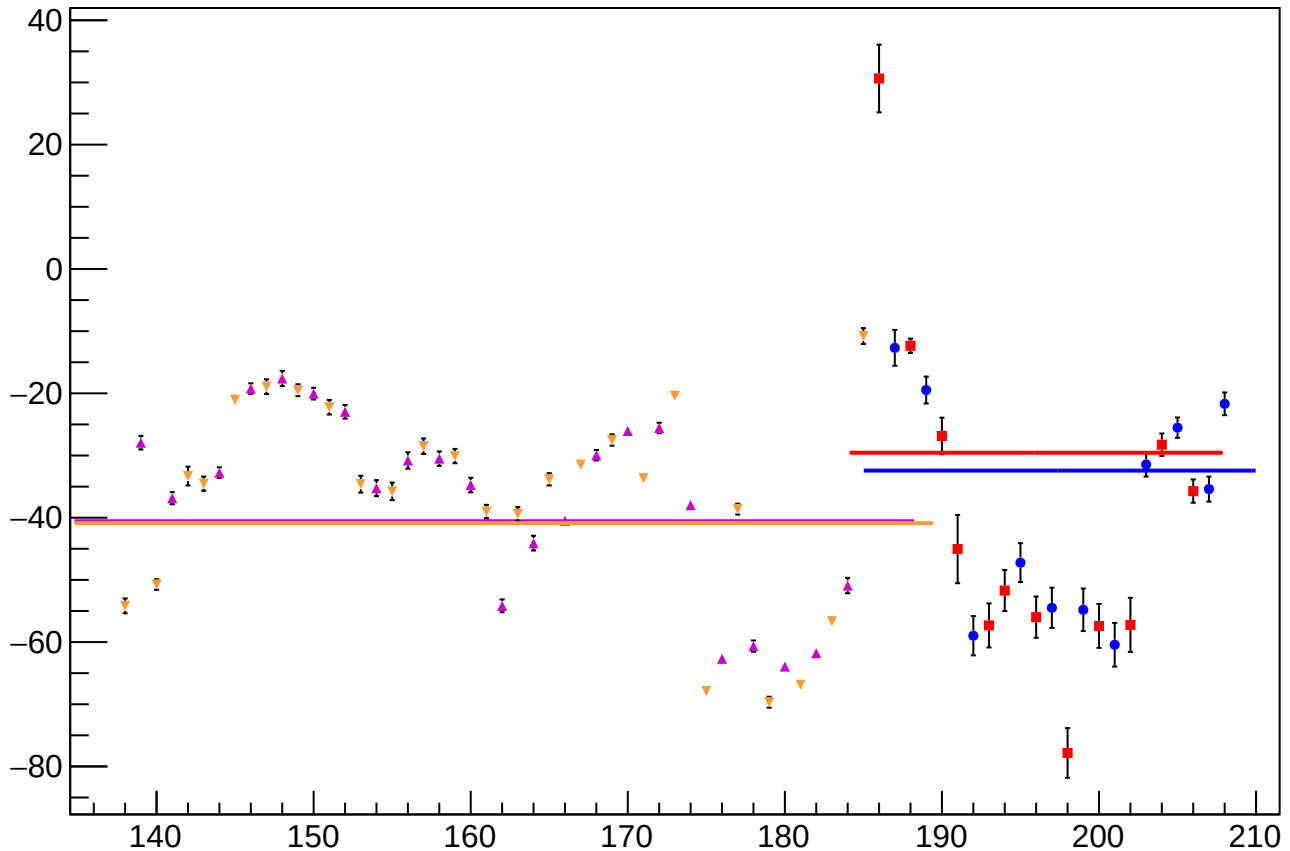
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.365 ± 0.008 χ^2/NDF : 4195.2/52

All: -0.360 ± 0.006 χ^2/NDF : 9933.1/106

- sign -0.355 ± 0.009 χ^2/NDF : 5737.2/53

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -32.422 ± 0.710 χ^2/NDF : 383.6/10

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -29.550 ± 0.710 χ^2/NDF : 782.7/11

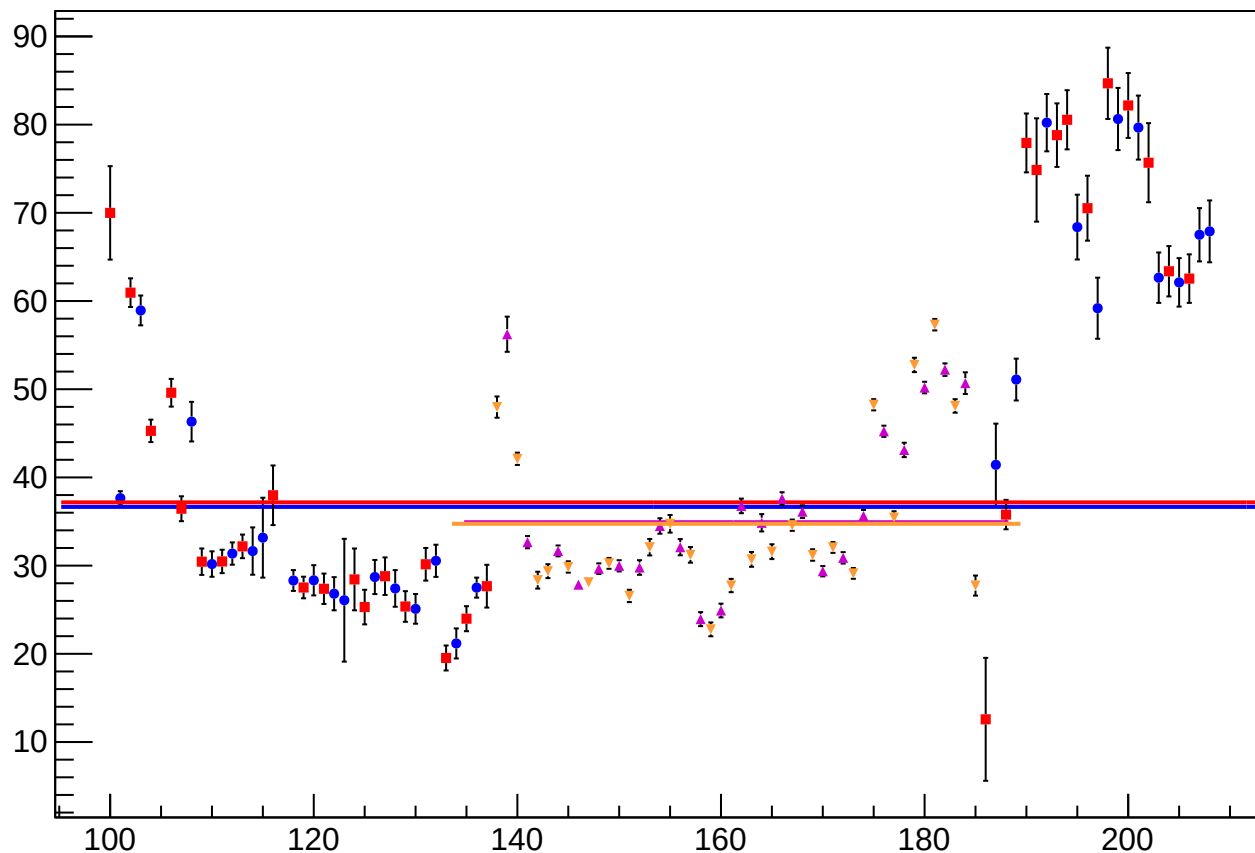
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -40.336 ± 0.180 χ^2/NDF : 9639.5/35

All: -40.089 ± 0.129 χ^2/NDF : 17605.2/70

- sign -39.832 ± 0.183 χ^2/NDF : 7961.9/34

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 36.657 ± 0.350 χ^2/NDF : 1564.3/27

Left Out: 34.741 ± 0.147 χ^2/NDF : 3693.2/24

Right Out: 37.173 ± 0.351 χ^2/NDF : 2003.2/30

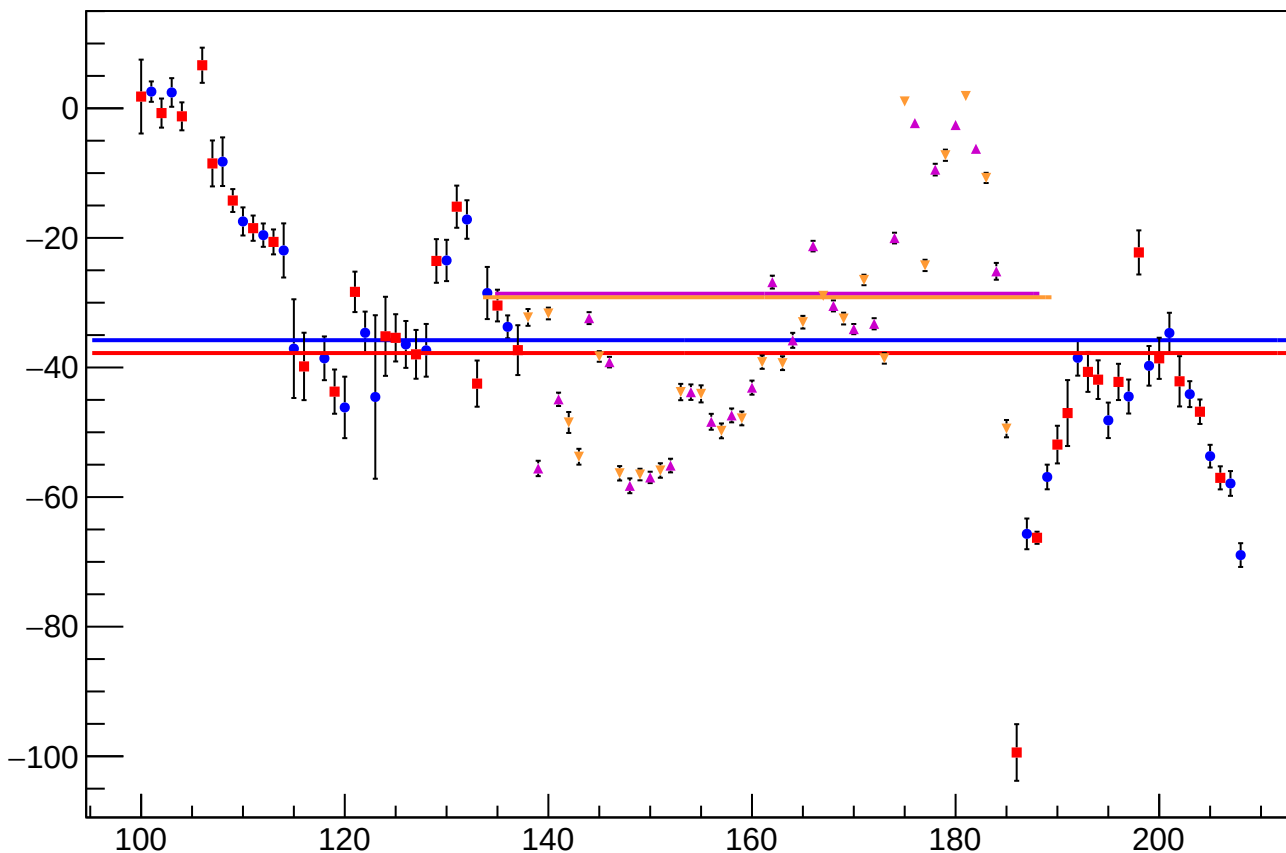
Left In: 34.922 ± 0.152 χ^2/NDF : 2672.9/22

+ sign 35.029 ± 0.136 χ^2/NDF : 5282.9/52

All: 35.150 ± 0.097 χ^2/NDF : 9995.3/106

- sign 35.277 ± 0.139 χ^2/NDF : 4710.8/53

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -35.788 ± 0.474 χ^2/NDF : 2074.7/27

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -37.773 ± 0.449 χ^2/NDF : 2712.2/30

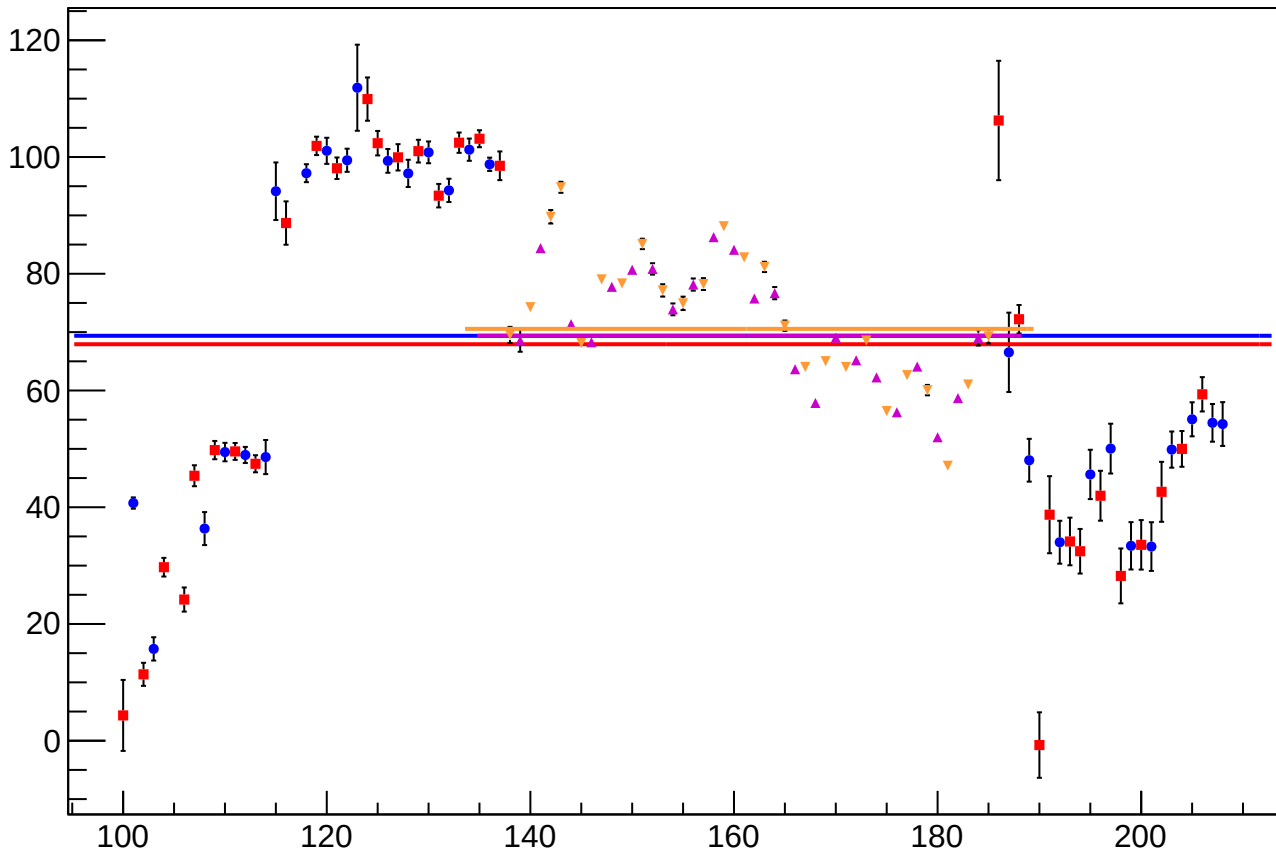
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -30.057 ± 0.174 χ^2/NDF : 12370.0/52

All: -30.030 ± 0.123 χ^2/NDF : 24475.8/106

- sign -30.004 ± 0.175 χ^2/NDF : 12105.7/53

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 69.375 $\pm$ 0.401 χ^2 /NDF: 5159.8/27

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

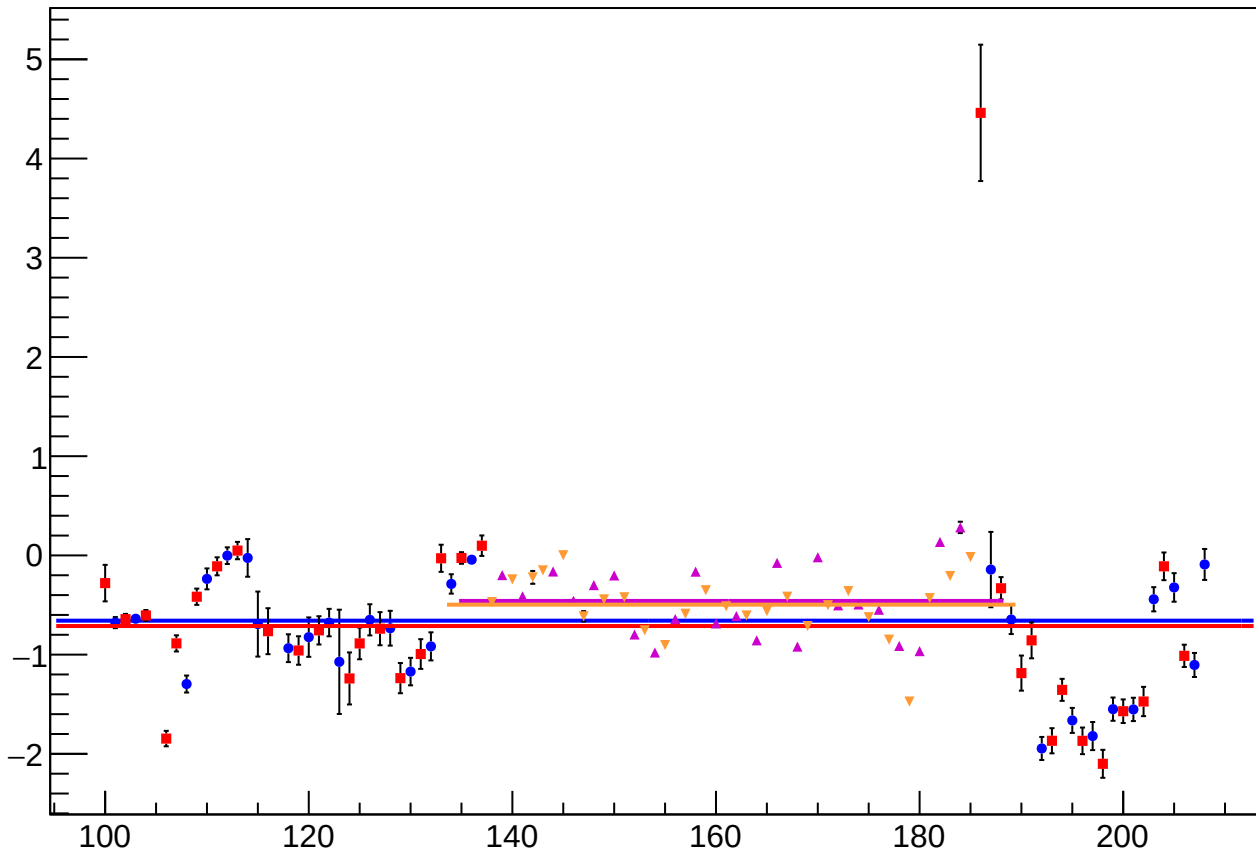
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF: 3321.8/22

+ sign 70.388 $\pm$ 0.154 χ^2 /NDF: 9756.4/52

All: 69.792 $\pm$ 0.110 χ^2 /NDF: 19240.5/106

- sign 69.168 $\pm$ 0.157 χ^2 /NDF: 9453.2/53

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.658 ± 0.020 χ^2/NDF : 759.5/27

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.712 ± 0.019 χ^2/NDF : 1077.7/30

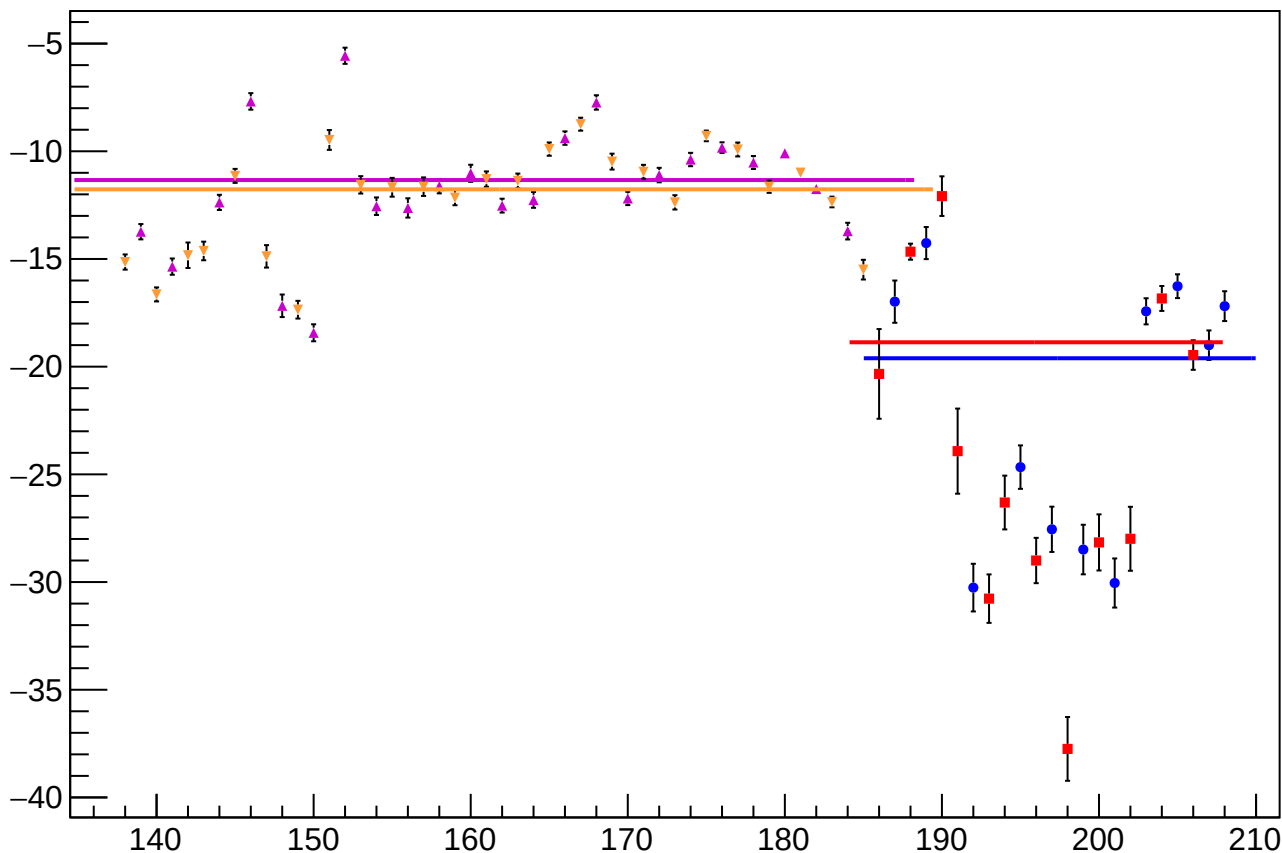
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.518 ± 0.007 χ^2/NDF : 2267.6/52

All: -0.507 ± 0.005 χ^2/NDF : 5463.1/106

- sign -0.495 ± 0.007 χ^2/NDF : 3190.5/53

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -19.609 ± 0.241 $\chi^2/\text{NDF}: 439.4/10$

Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$

Right Out: -18.868 ± 0.237 $\chi^2/\text{NDF}: 693.7/11$

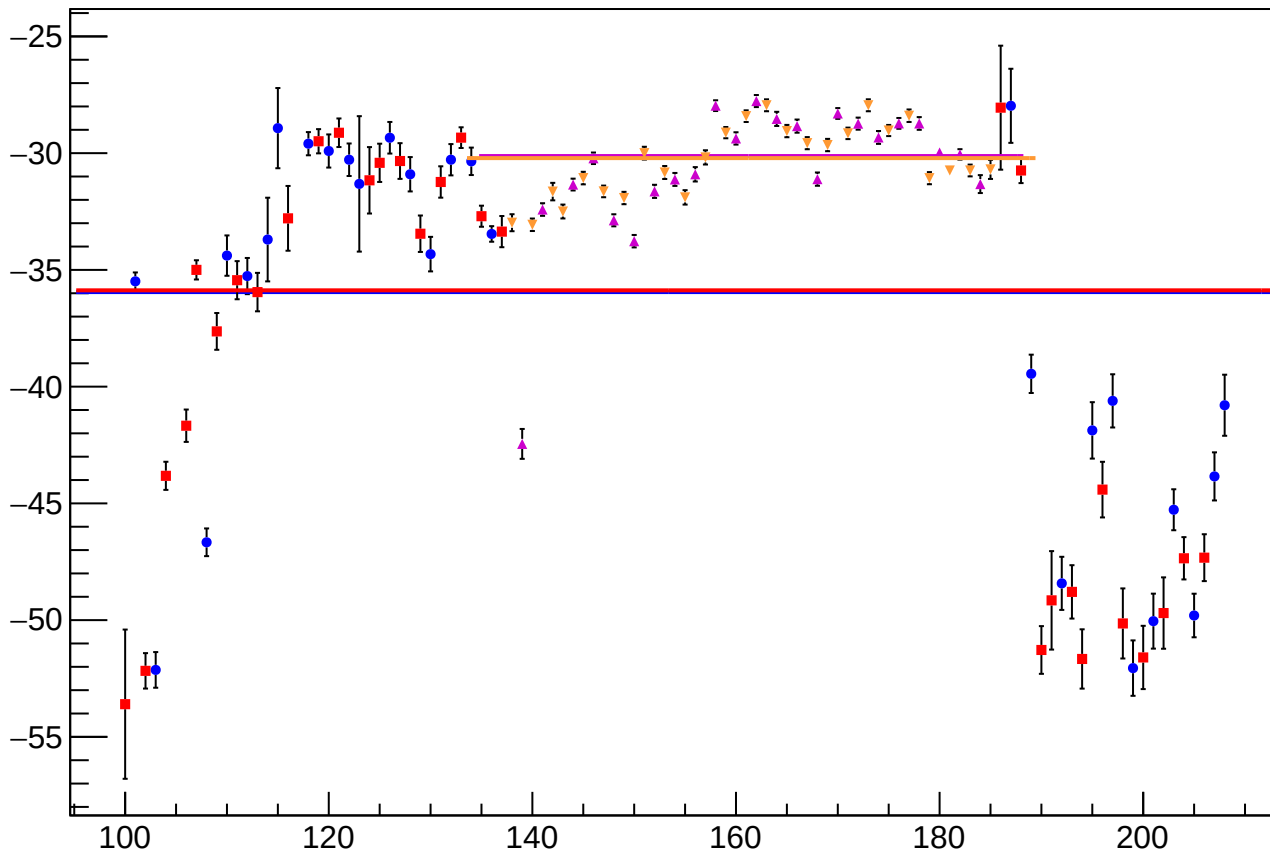
Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -12.326 ± 0.064 $\chi^2/\text{NDF}: 2447.2/35$

All: -12.122 ± 0.046 $\chi^2/\text{NDF}: 5365.1/70$

- 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: -35.950 ± 0.138 χ^2/NDF : 2407.1/27

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -35.875 ± 0.136 χ^2/NDF : 2767.5/30

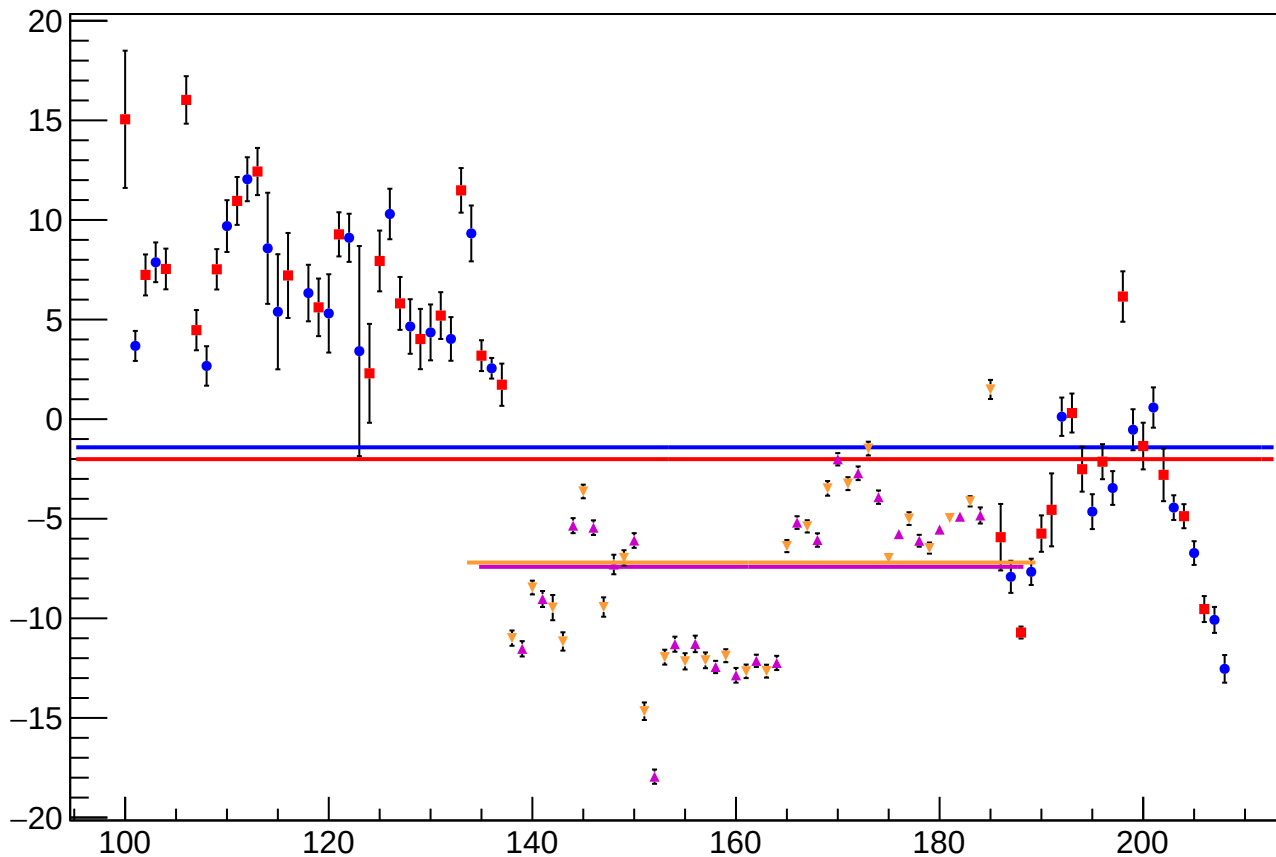
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -30.974 ± 0.050 χ^2/NDF : 4648.9/52

All: -30.962 ± 0.036 χ^2/NDF : 10181.9/106

- sign -30.948 ± 0.051 χ^2/NDF : 5532.9/53

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -1.414 ± 0.174 χ^2/NDF : 1489.8/27

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -2.008 ± 0.166 χ^2/NDF : 2371.6/30

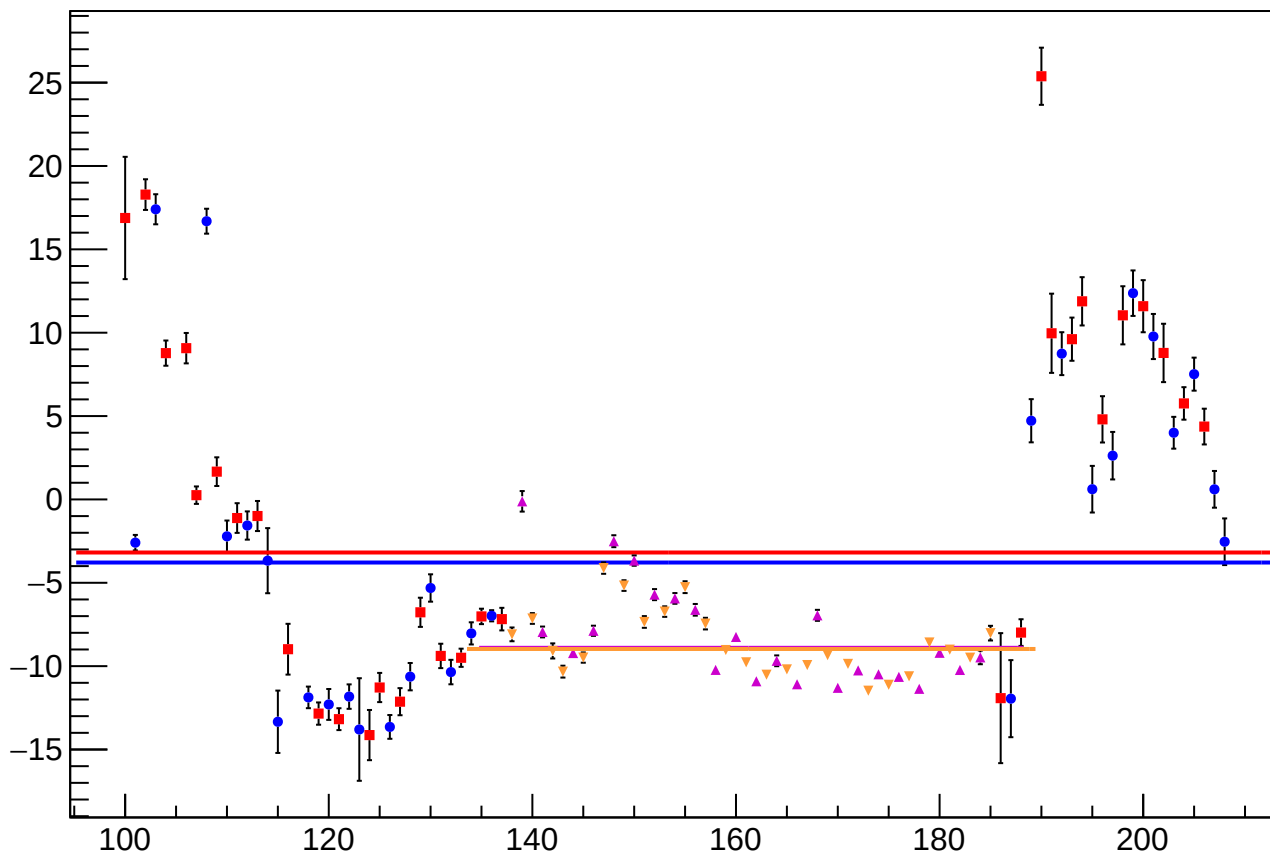
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.454 ± 0.062 χ^2/NDF : 5490.4/52

All: -6.546 ± 0.044 χ^2/NDF : 11899.7/106

- sign -6.640 ± 0.063 χ^2/NDF : 6404.9/53

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.785 ± 0.156 $\chi^2/\text{NDF}: 2826.4/27$

Left Out: -8.970 ± 0.060 $\chi^2/\text{NDF}: 878.8/24$

Right Out: -3.183 ± 0.158 $\chi^2/\text{NDF}: 3058.2/30$

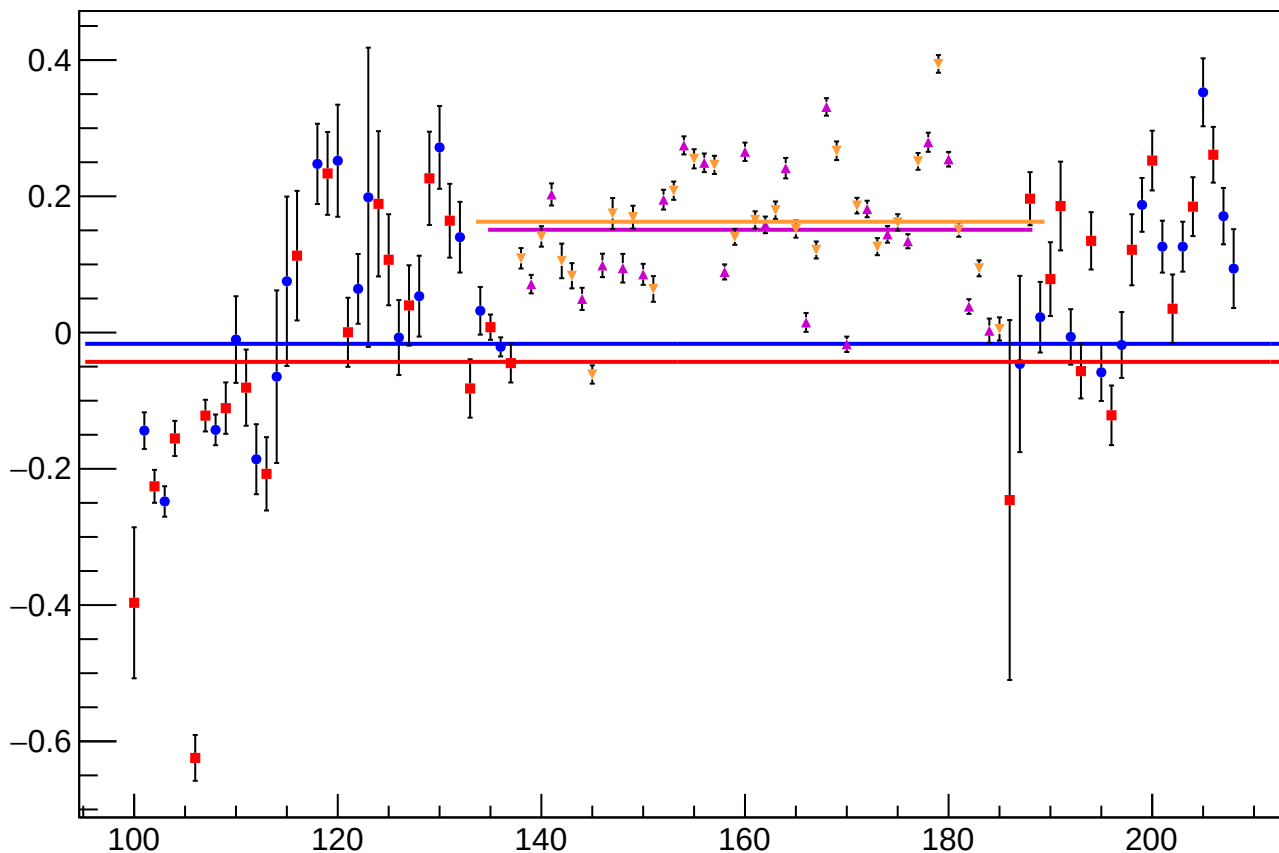
Left In: -8.900 ± 0.062 $\chi^2/\text{NDF}: 1533.9/22$

+ sign -8.298 ± 0.056 $\chi^2/\text{NDF}: 4667.2/52$

All: -8.223 ± 0.040 $\chi^2/\text{NDF}: 10399.7/106$

- 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: -0.017 ± 0.007 $\chi^2/\text{NDF}: 378.2/27$

Left Out: 0.163 ± 0.003 $\chi^2/\text{NDF}: 1018.1/24$

Right Out: -0.043 ± 0.007 $\chi^2/\text{NDF}: 702.2/30$

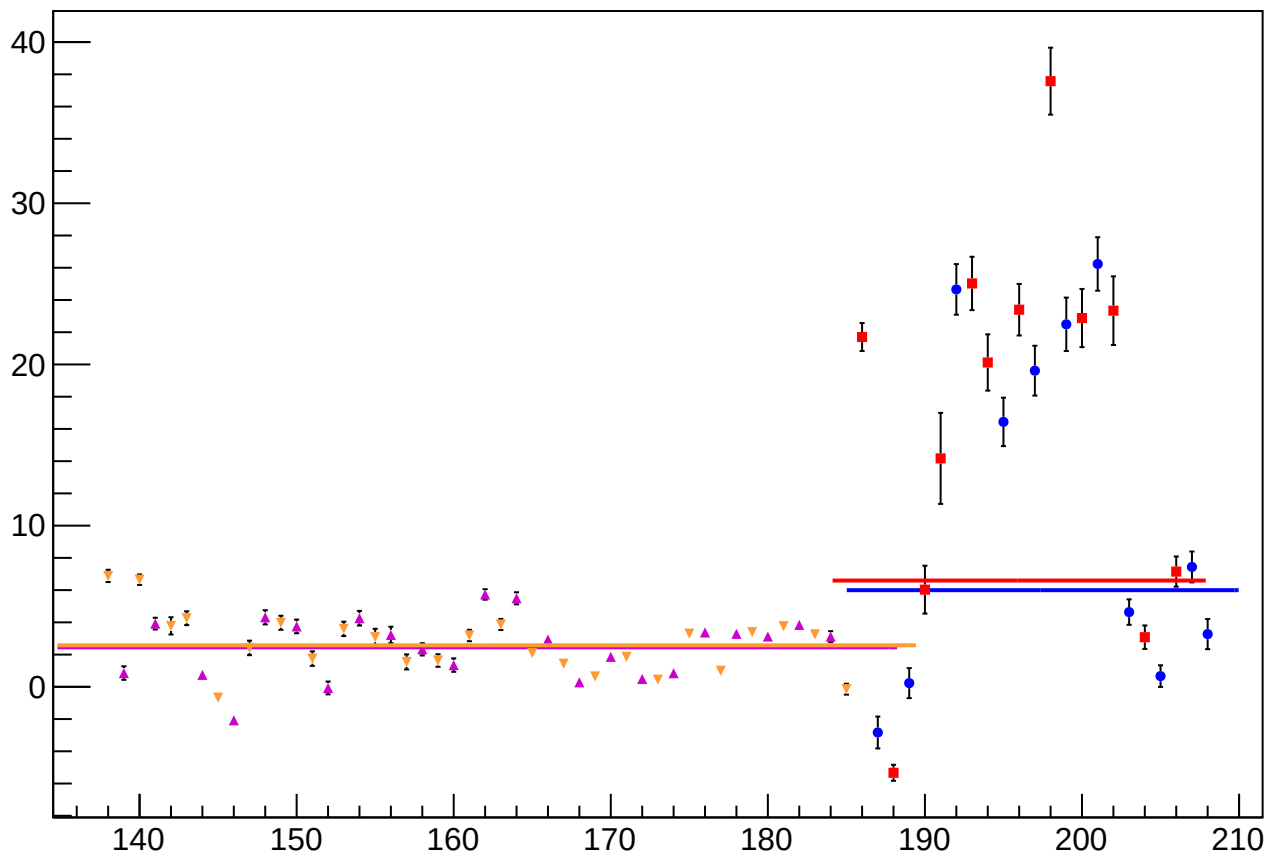
Left In: 0.151 ± 0.003 $\chi^2/\text{NDF}: 1286.5/22$

+ sign 0.140 ± 0.003 $\chi^2/\text{NDF}: 1944.2/52$

All: 0.133 ± 0.002 $\chi^2/\text{NDF}: 4583.0/106$

- sign 0.126 ± 0.003 $\chi^2/\text{NDF}: 2623.7/53$

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 5.996 ± 0.313 χ^2/NDF : 710.0/10

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 6.594 ± 0.304 χ^2/NDF : 1572.9/11

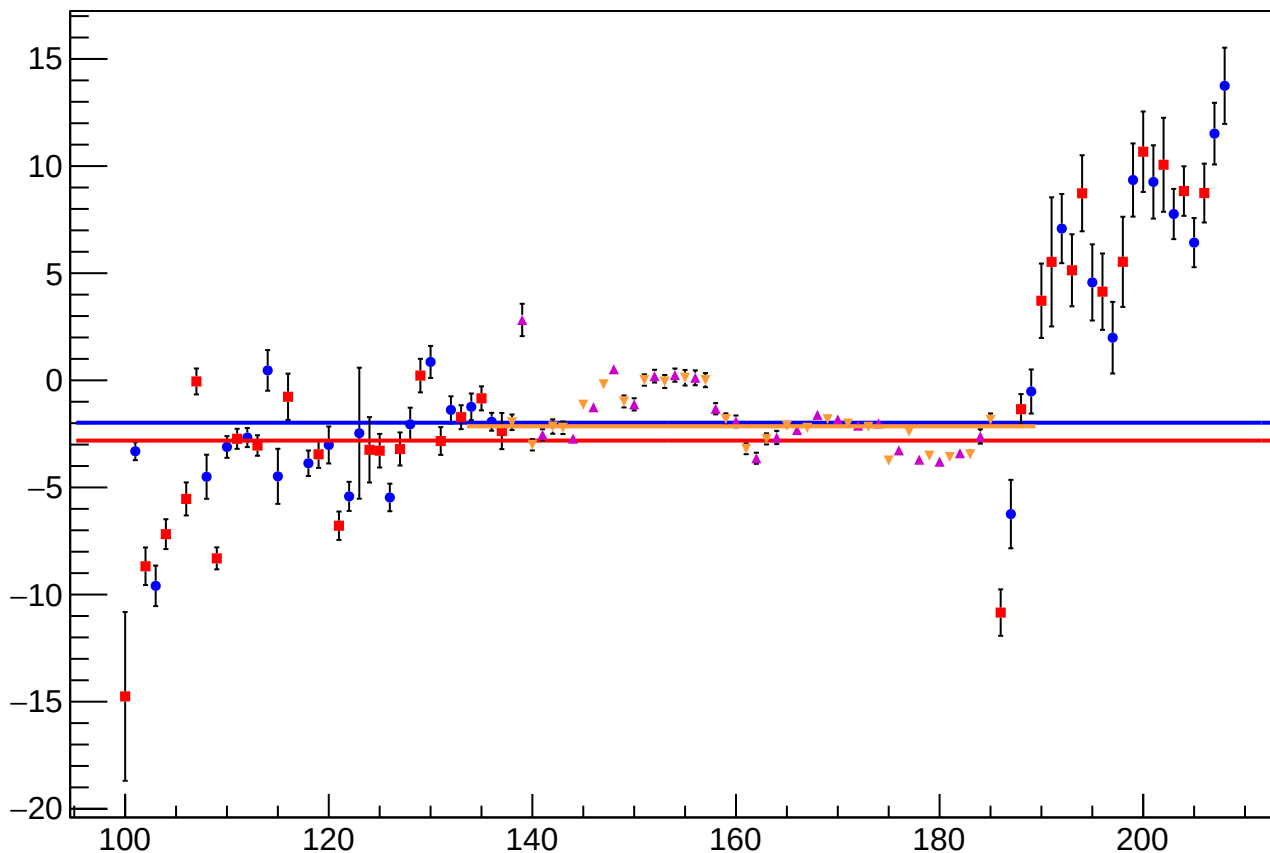
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.691 ± 0.057 χ^2/NDF : 1693.1/35

All: 2.649 ± 0.041 χ^2/NDF : 4317.5/70

- sign 2.605 ± 0.058 χ^2/NDF : 2623.3/34

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.978 ± 0.146 $\chi^2/\text{NDF}: 617.7/27$

Left Out: -2.146 ± 0.048 $\chi^2/\text{NDF}: 573.4/24$

Right Out: -2.813 ± 0.144 $\chi^2/\text{NDF}: 748.7/30$

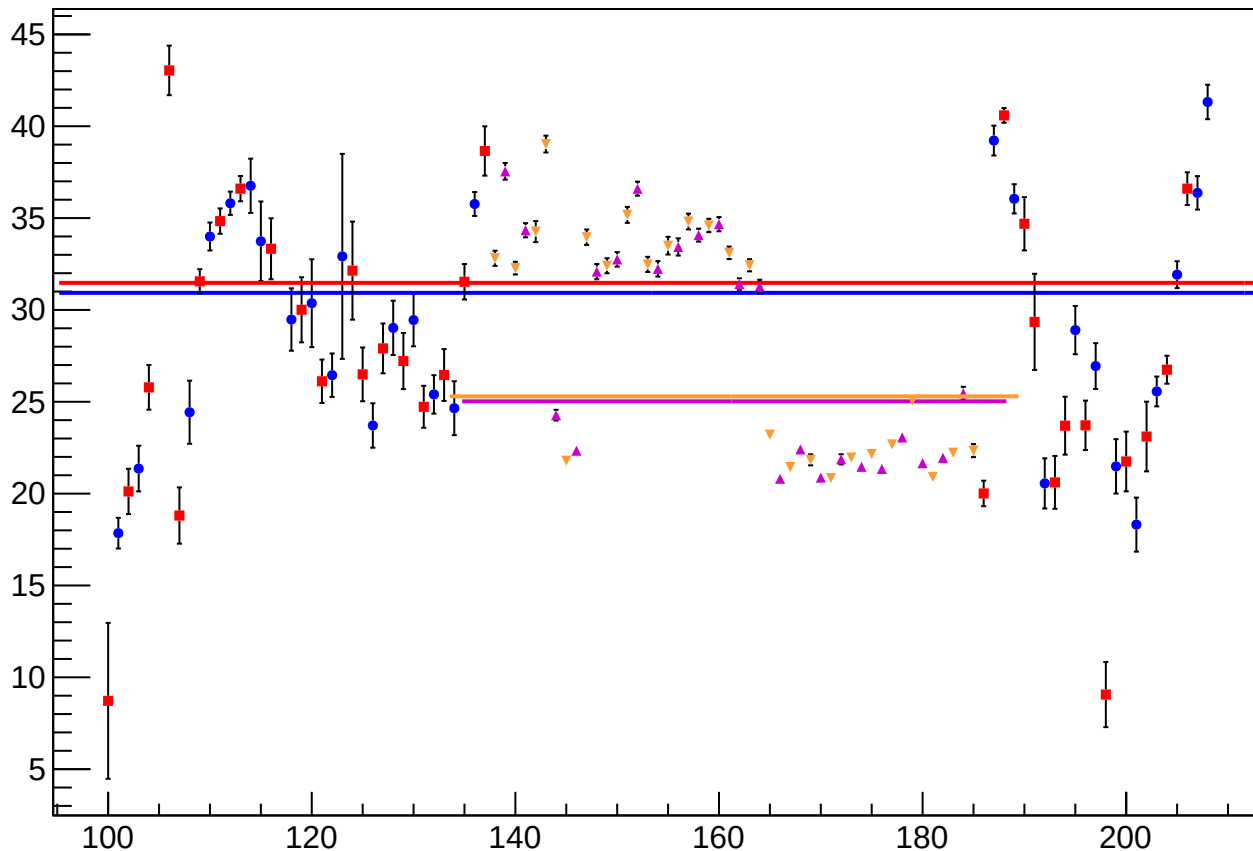
Left In: -2.136 ± 0.048 $\chi^2/\text{NDF}: 691.2/22$

+ sign -2.130 ± 0.045 $\chi^2/\text{NDF}: 1192.3/52$

All: -2.167 ± 0.032 $\chi^2/\text{NDF}: 2653.3/106$

- sign -2.205 ± 0.046 $\chi^2/\text{NDF}: 1459.7/53$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 30.930 $\pm$ 0.198 χ^2 /NDF: 1100.8/27

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

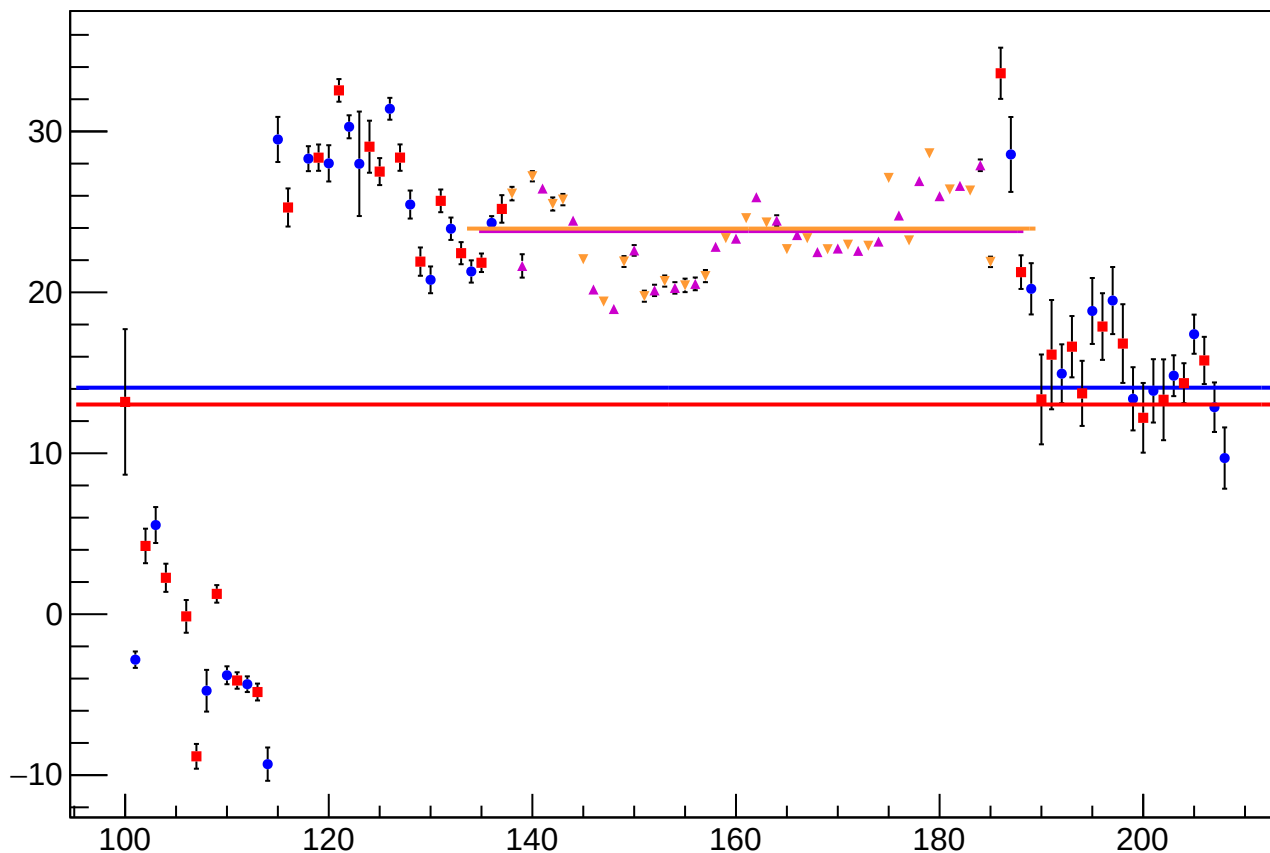
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 25.752 $\pm$ 0.056 χ^2 /NDF: 10115.3/52

All: 25.691 $\pm$ 0.040 χ^2 /NDF: 20506.1/106

- 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: 14.076 $\pm$ 0.164 χ^2 /NDF: 7356.7/27

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

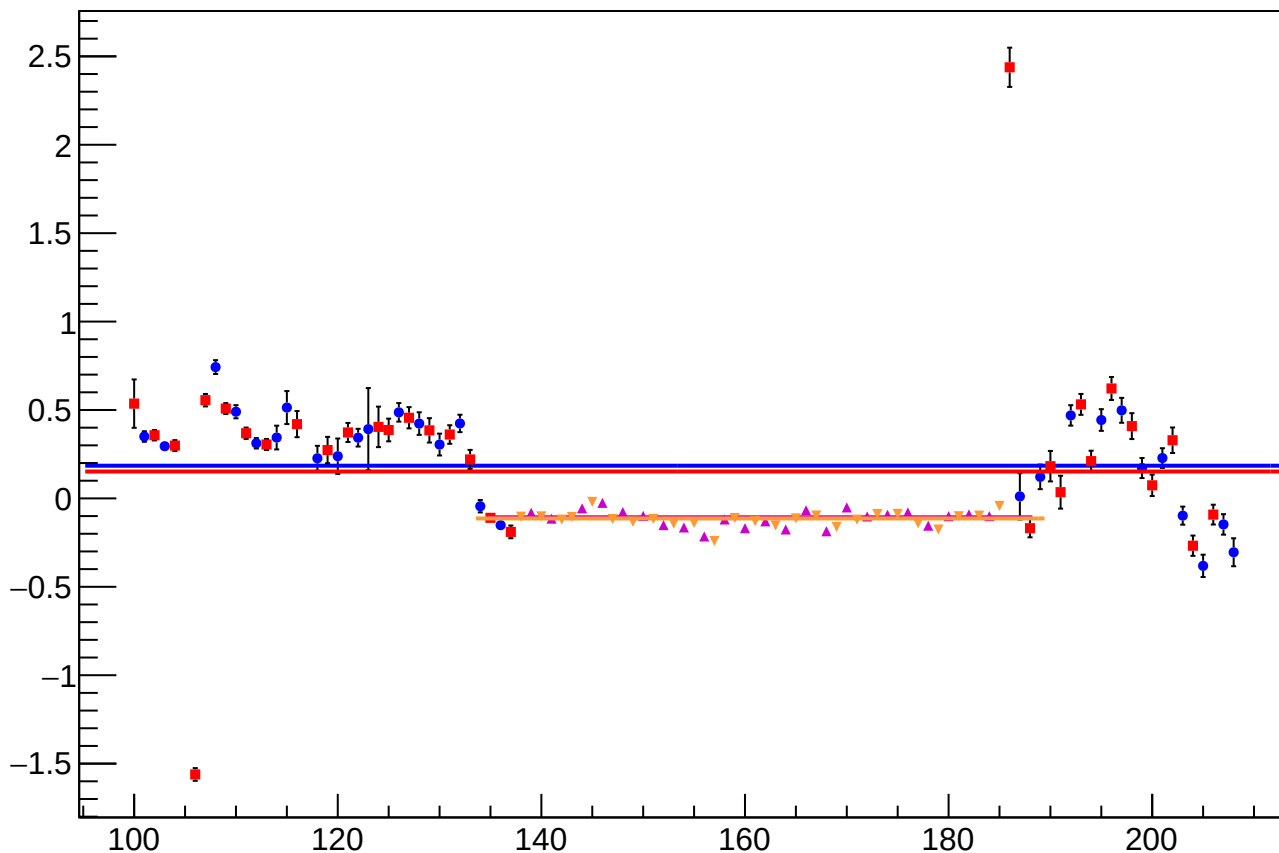
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 23.020 $\pm$ 0.051 χ^2 /NDF: 12573.8/52

All: 22.890 $\pm$ 0.036 χ^2 /NDF: 25433.5/106

- 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: 0.185 ± 0.008 χ^2/NDF : 1098.2/27

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.152 ± 0.008 χ^2/NDF : 3667.1/30

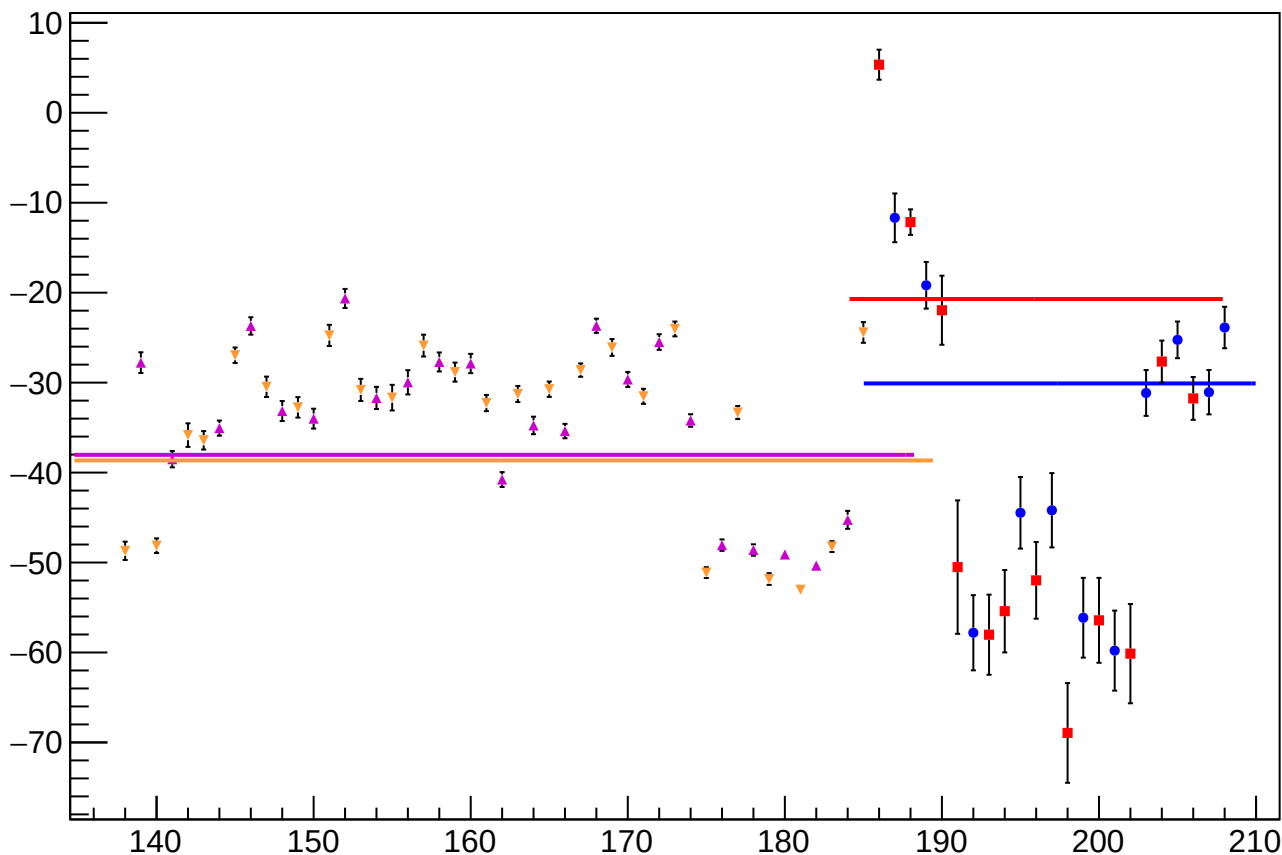
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.091 ± 0.002 χ^2/NDF : 2549.6/52

All: -0.088 ± 0.002 χ^2/NDF : 7436.0/106

- sign -0.086 ± 0.002 χ^2/NDF : 4884.1/53

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -30.091 ± 0.873 χ^2/NDF : 224.8/10

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -20.703 ± 0.800 χ^2/NDF : 692.0/11

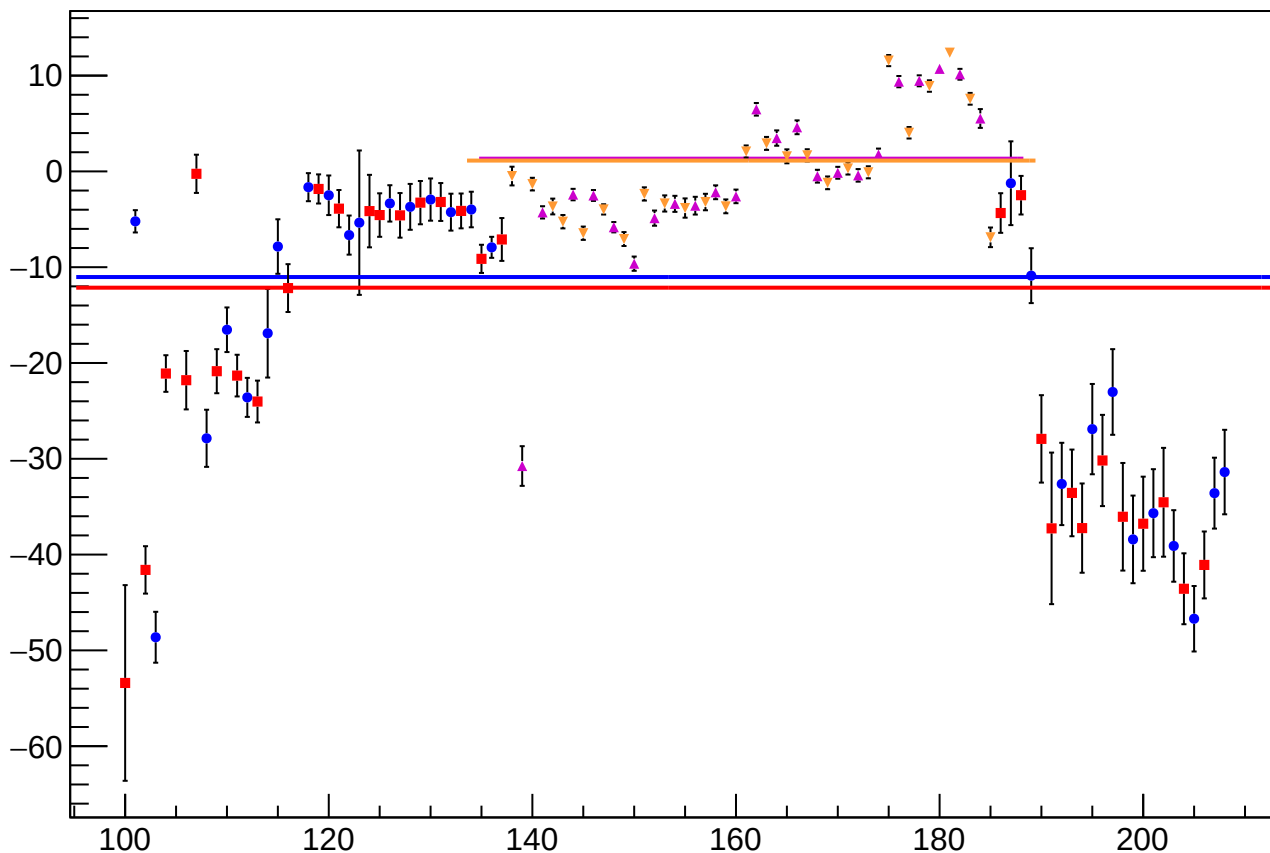
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.340 ± 0.166 χ^2/NDF : 4394.8/35

All: -37.806 ± 0.119 χ^2/NDF : 8648.1/70

- sign -37.251 ± 0.169 χ^2/NDF : 4232.3/34

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -11.028 ± 0.435 χ^2/NDF : 778.3/27

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -12.139 ± 0.444 χ^2/NDF : 766.6/30

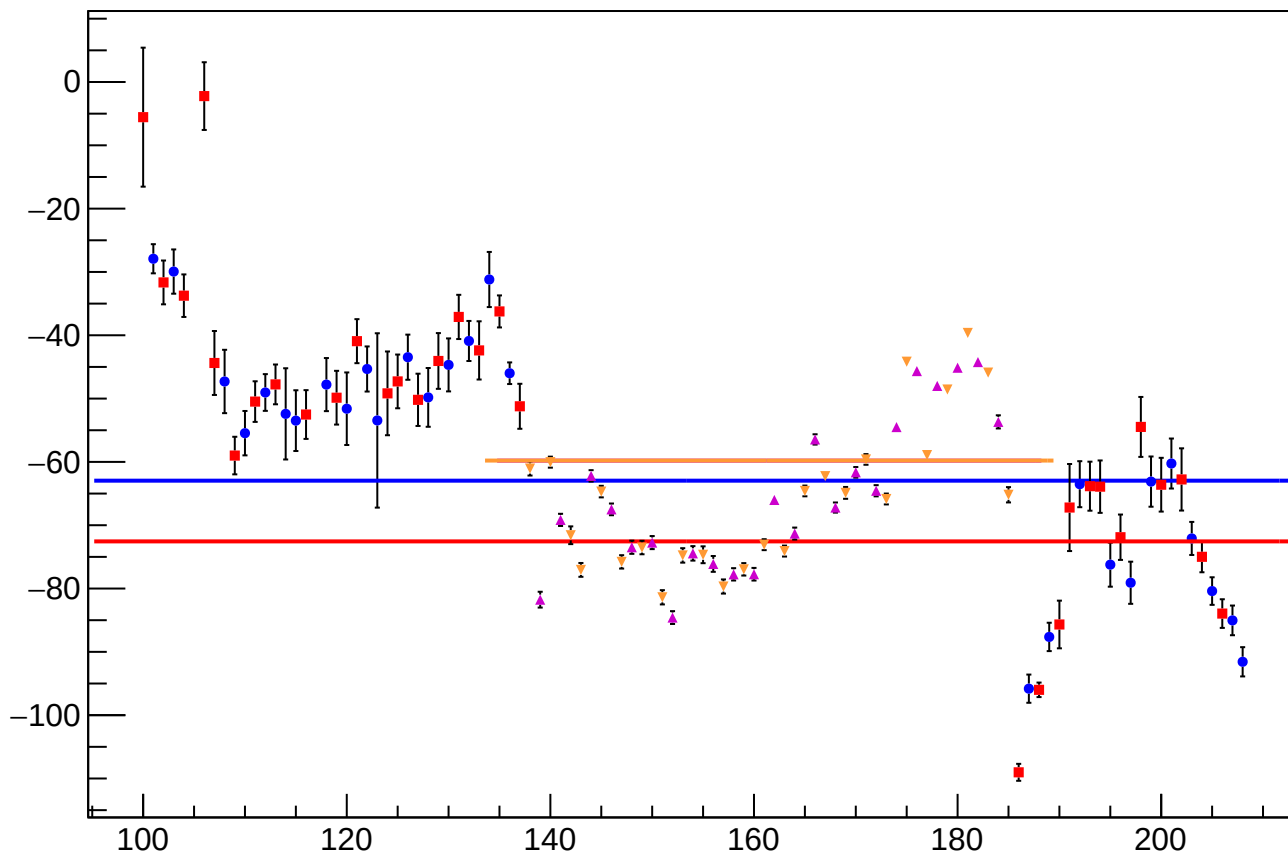
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign 0.046 ± 0.130 χ^2/NDF : 3290.3/52

All: 0.078 ± 0.093 χ^2/NDF : 6943.2/106

- sign 0.112 ± 0.133 χ^2/NDF : 3652.7/53

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -62.964 ± 0.585 $\chi^2/\text{NDF}: 1360.0/27$

Left Out: -59.789 ± 0.170 $\chi^2/\text{NDF}: 5837.7/24$

Right Out: -72.554 ± 0.539 $\chi^2/\text{NDF}: 2524.2/30$

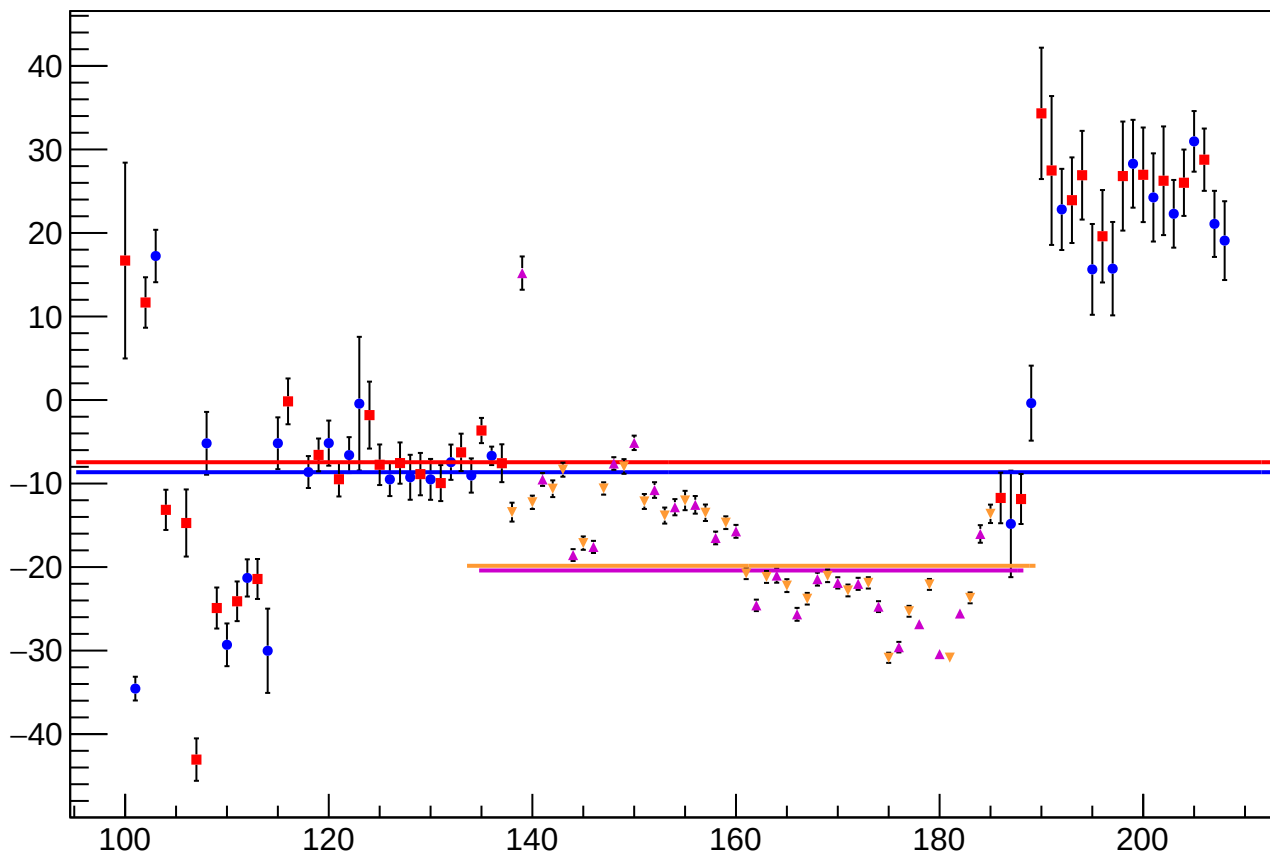
Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

+ sign -60.037 ± 0.163 $\chi^2/\text{NDF}: 7224.9/52$

All: -60.513 ± 0.116 $\chi^2/\text{NDF}: 15491.6/106$

- sign -60.998 ± 0.165 $\chi^2/\text{NDF}: 8249.6/53$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -8.643 ± 0.491 χ^2/NDF : 967.0/27

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -7.448 ± 0.512 χ^2/NDF : 809.7/30

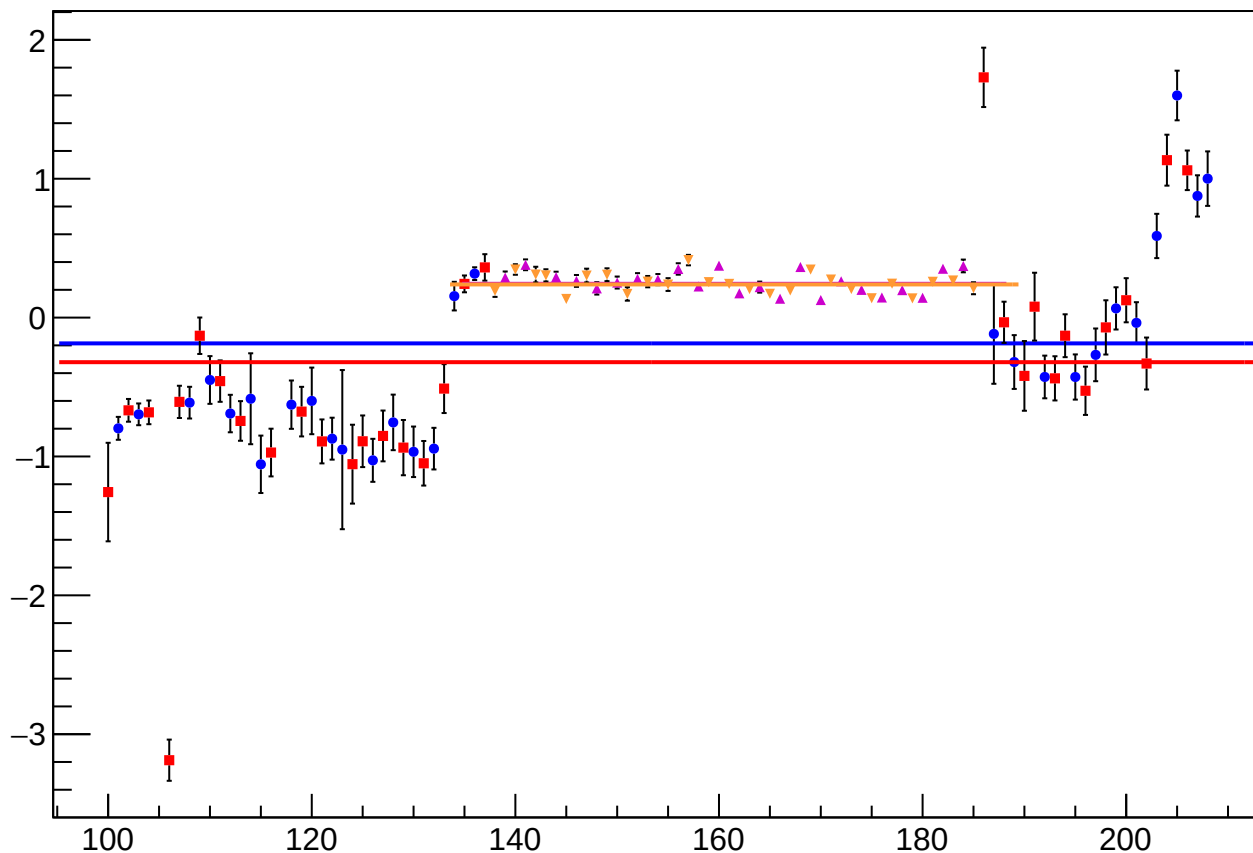
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -18.859 ± 0.146 χ^2/NDF : 3372.7/52

All: -19.073 ± 0.105 χ^2/NDF : 7075.6/106

- sign -19.299 ± 0.150 χ^2/NDF : 3698.4/53

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.186 ± 0.024 χ^2/NDF : 610.6/27

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.321 ± 0.025 χ^2/NDF : 927.4/30

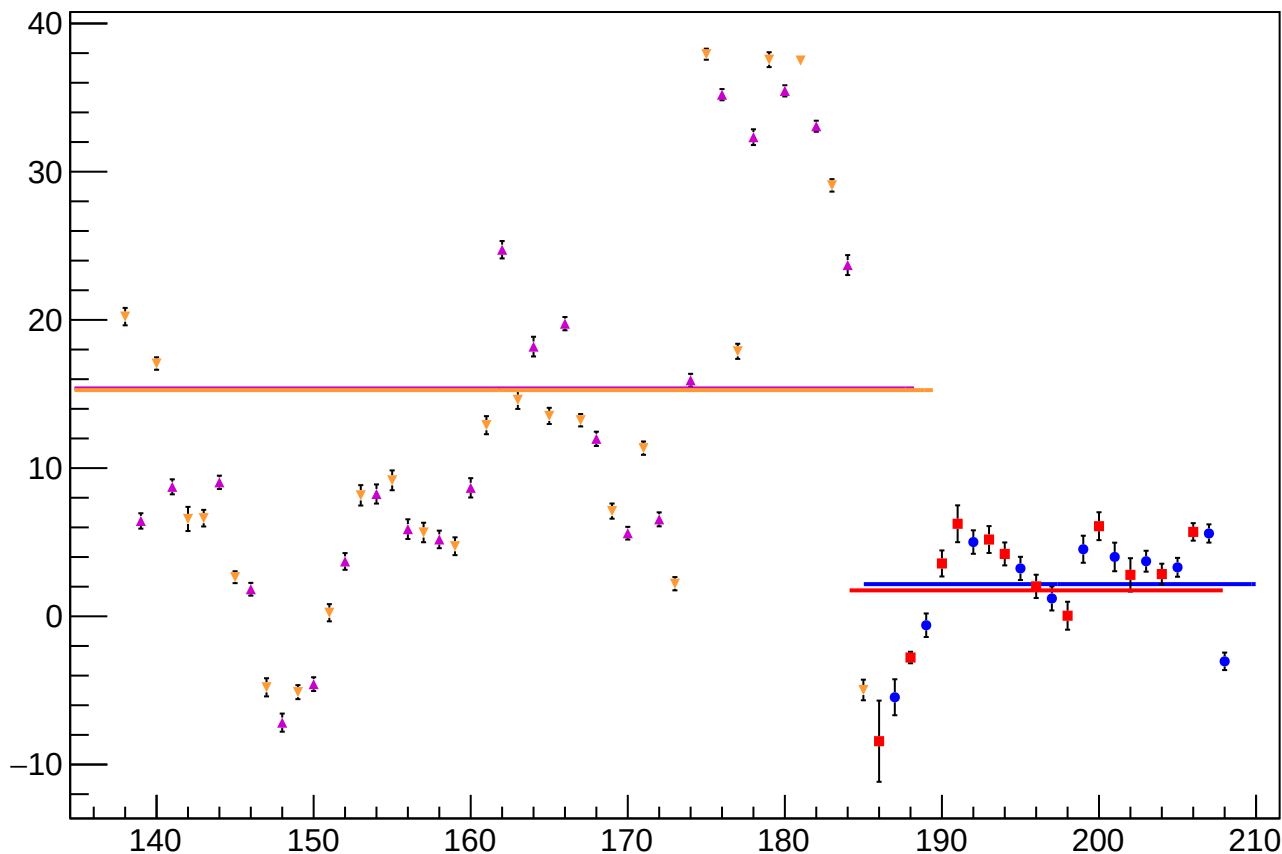
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.206 ± 0.007 χ^2/NDF : 984.2/52

All: 0.203 ± 0.005 χ^2/NDF : 2523.4/106

- sign 0.200 ± 0.007 χ^2/NDF : 1538.8/53

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.172 ± 0.228 χ^2/NDF : 194.7/10

Left Out: 15.263 ± 0.100 χ^2/NDF : 19175.2/24

Right Out: 1.750 ± 0.217 χ^2/NDF : 263.7/11

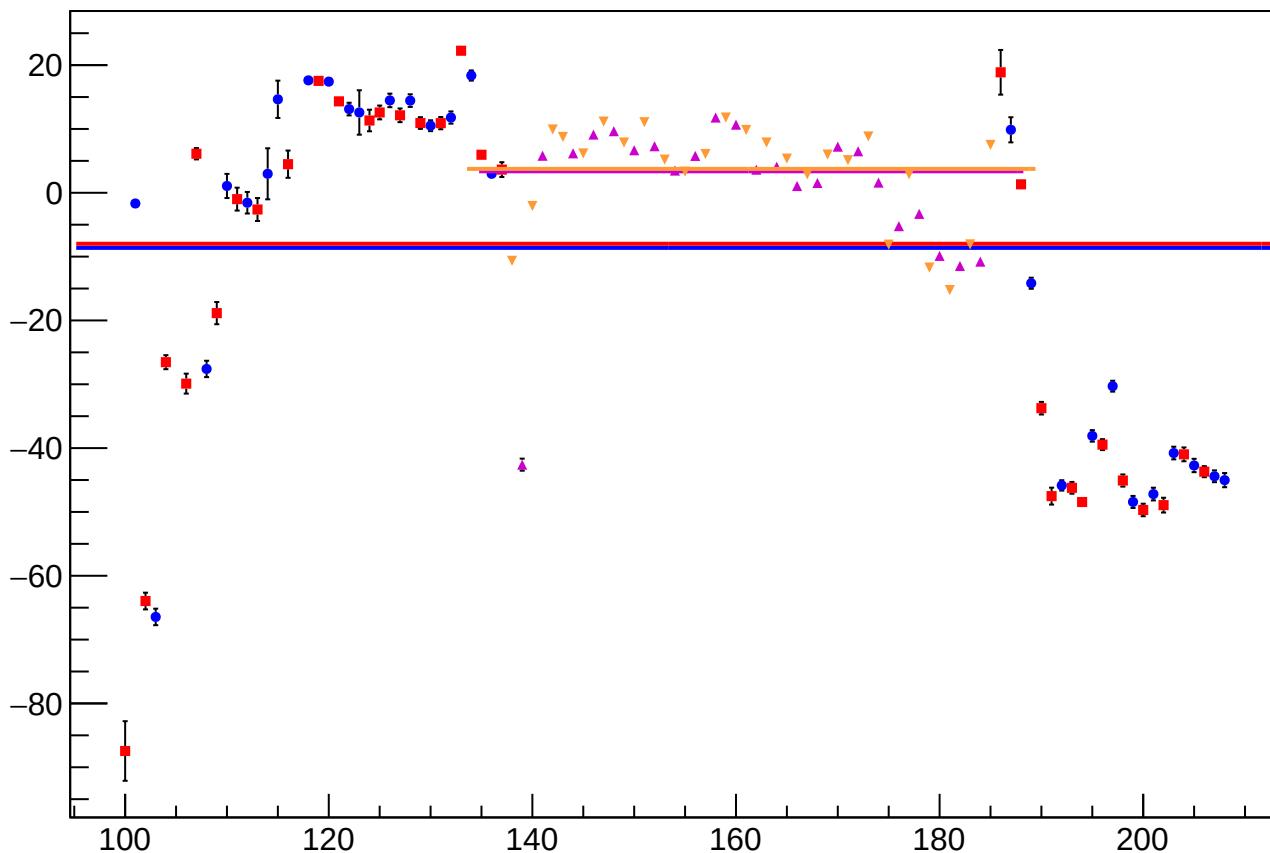
Left In: 15.377 ± 0.103 χ^2/NDF : 16268.9/22

+ sign 13.130 ± 0.092 χ^2/NDF : 22134.9/35

All: 13.011 ± 0.065 χ^2/NDF : 41880.5/70

- sign 12.890 ± 0.093 χ^2/NDF : 19742.2/34

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -8.630 ± 0.175 χ^2/NDF : 22814.7/27

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -7.986 ± 0.167 χ^2/NDF : 27506.4/30

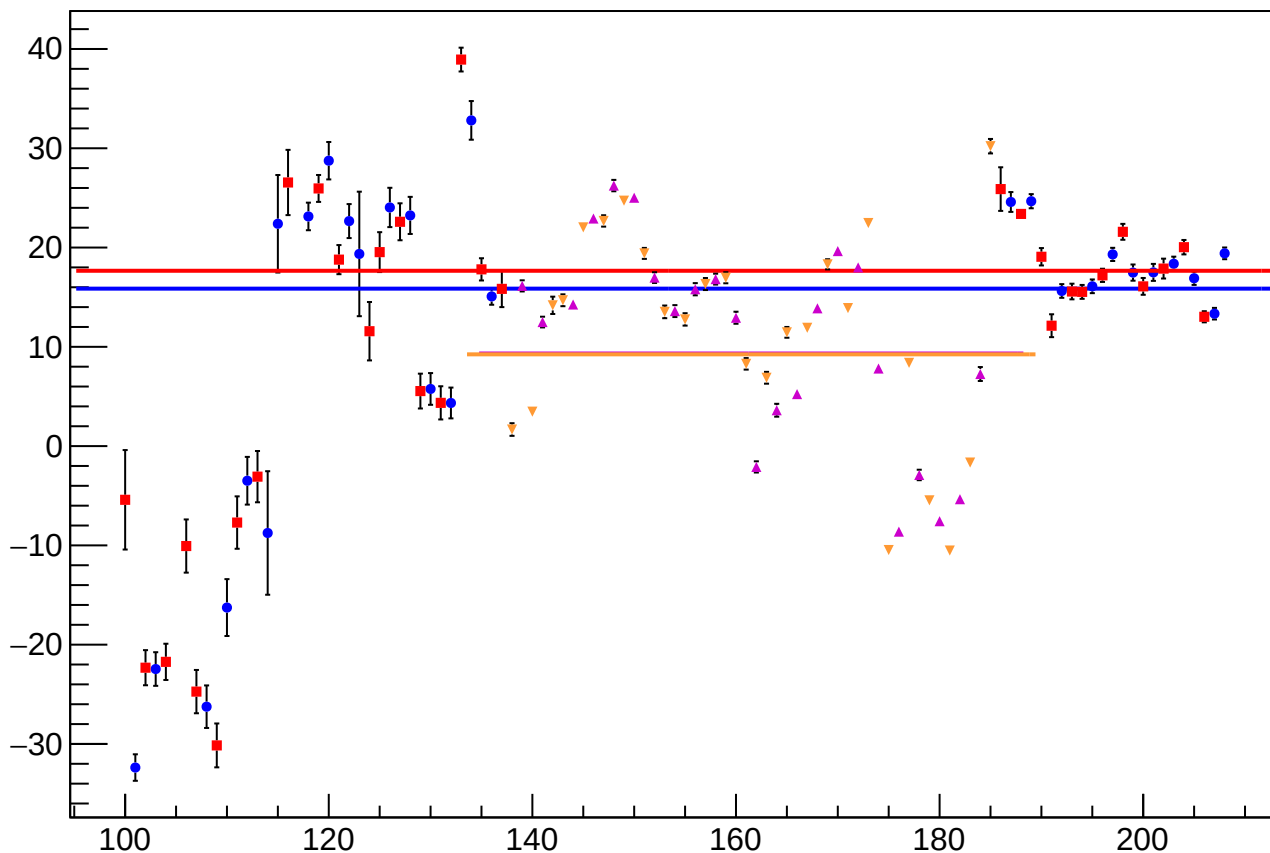
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 1.658 ± 0.072 χ^2/NDF : 36228.4/52

All: 1.428 ± 0.051 χ^2/NDF : 76022.4/106

- sign 1.191 ± 0.073 χ^2/NDF : 39773.2/53

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 15.860 $\pm$ 0.189 χ^2 /NDF: 3040.2/27

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

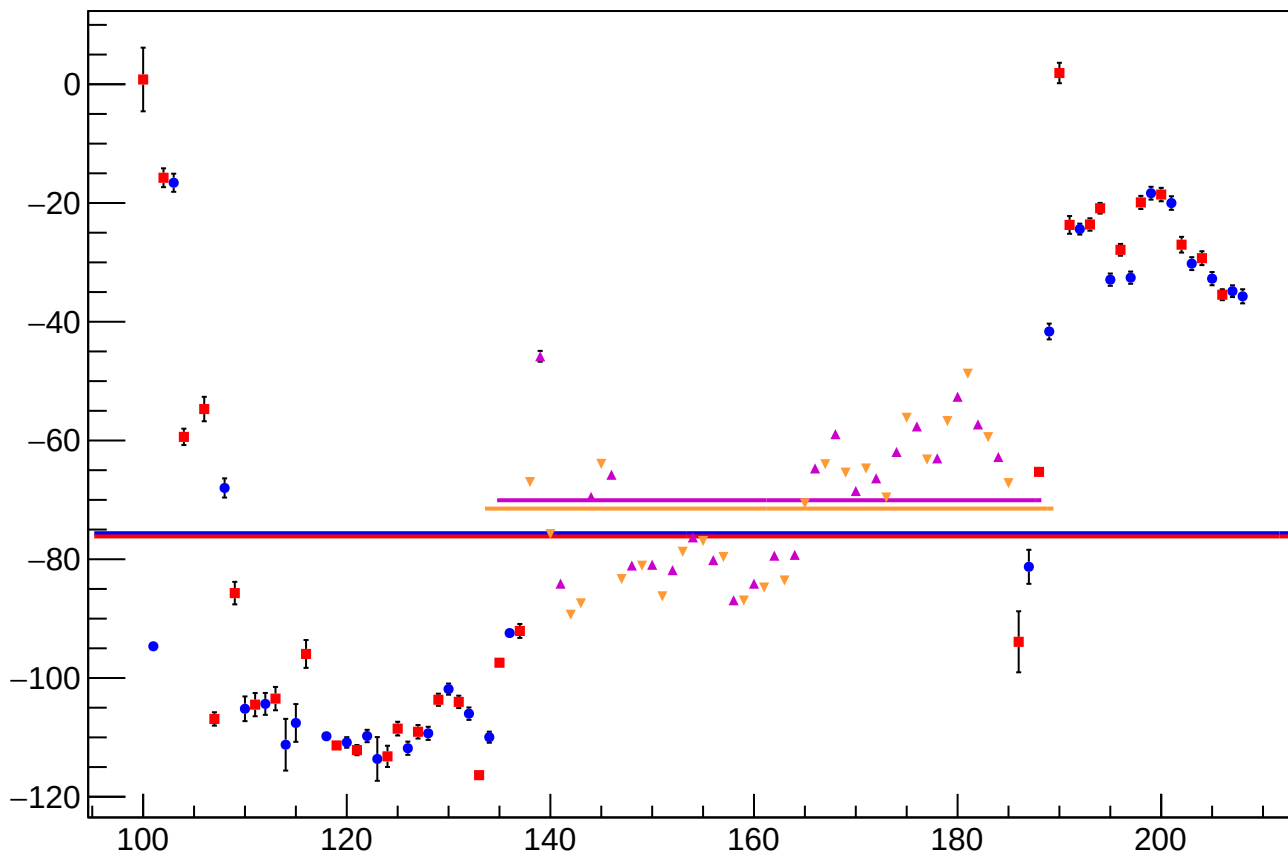
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.710 $\pm$ 0.089 χ^2 /NDF: 17627.4/52

All: 11.095 $\pm$ 0.063 χ^2 /NDF: 34418.1/106

- 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: -75.613 ± 0.202 $\chi^2/\text{NDF}: 32666.0/27$

Left Out: -71.465 ± 0.089 $\chi^2/\text{NDF}: 16409.7/24$

Right Out: -76.157 ± 0.196 $\chi^2/\text{NDF}: 39697.0/30$

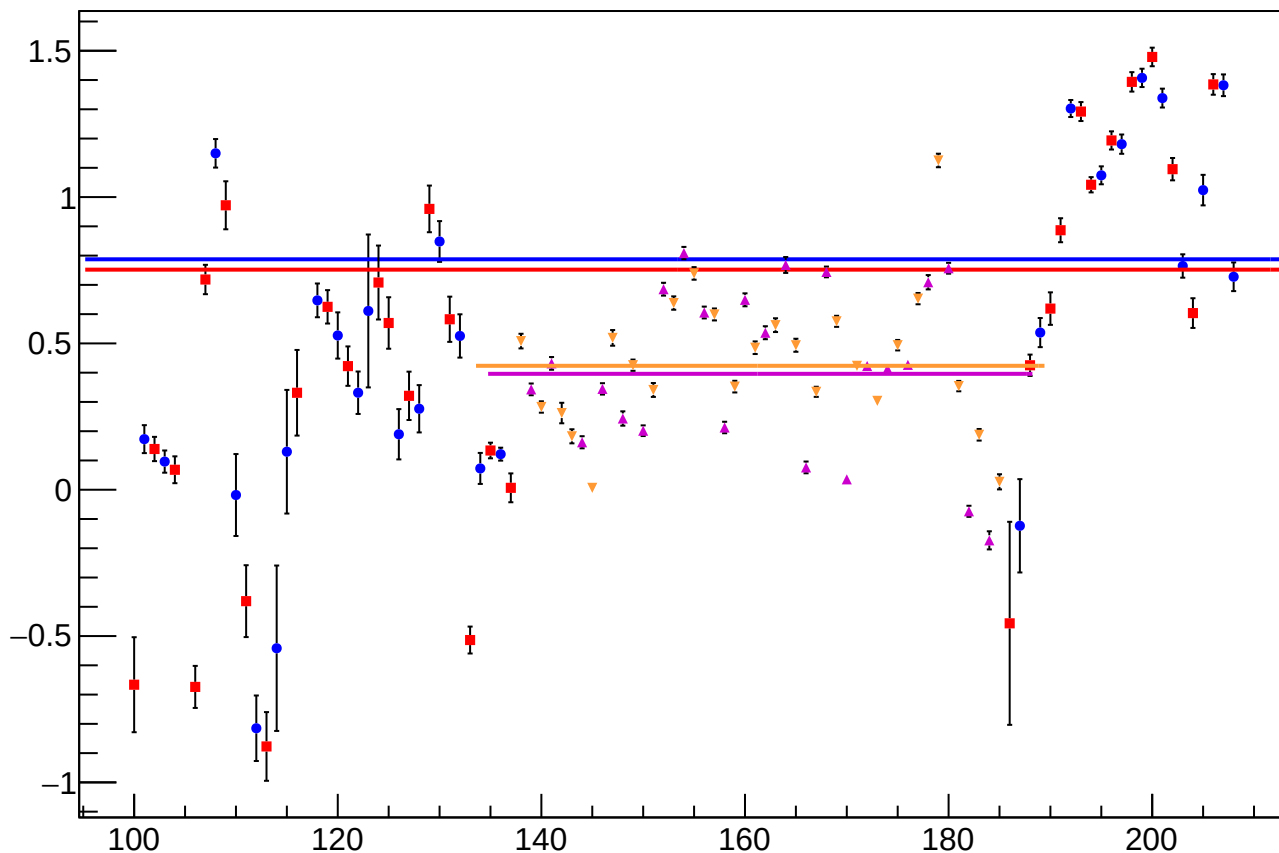
Left In: -70.061 ± 0.092 $\chi^2/\text{NDF}: 13058.5/22$

+ sign -72.146 ± 0.082 $\chi^2/\text{NDF}: 49429.7/52$

All: -71.659 ± 0.058 $\chi^2/\text{NDF}: 103049.7/106$

- sign -71.154 ± 0.083 $\chi^2/\text{NDF}: 53547.5/53$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.787 $\pm$ 0.009 χ^2 /NDF: 3635.5/27

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

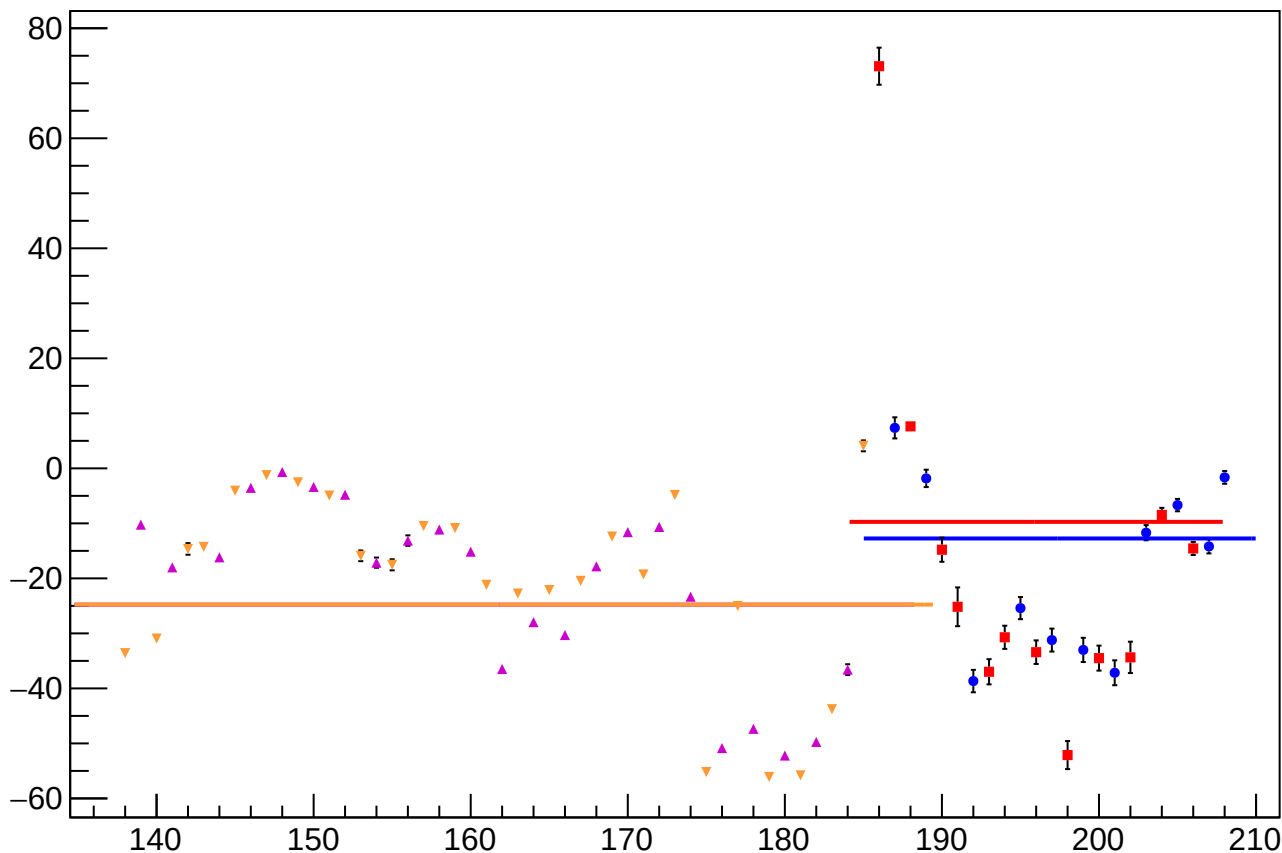
Left In: 0.396 $\pm$ 0.004 χ^2 /NDF:4051.5/22

+ sign 0.489 $\pm$ 0.004 χ^2 /NDF: 7951.1/52

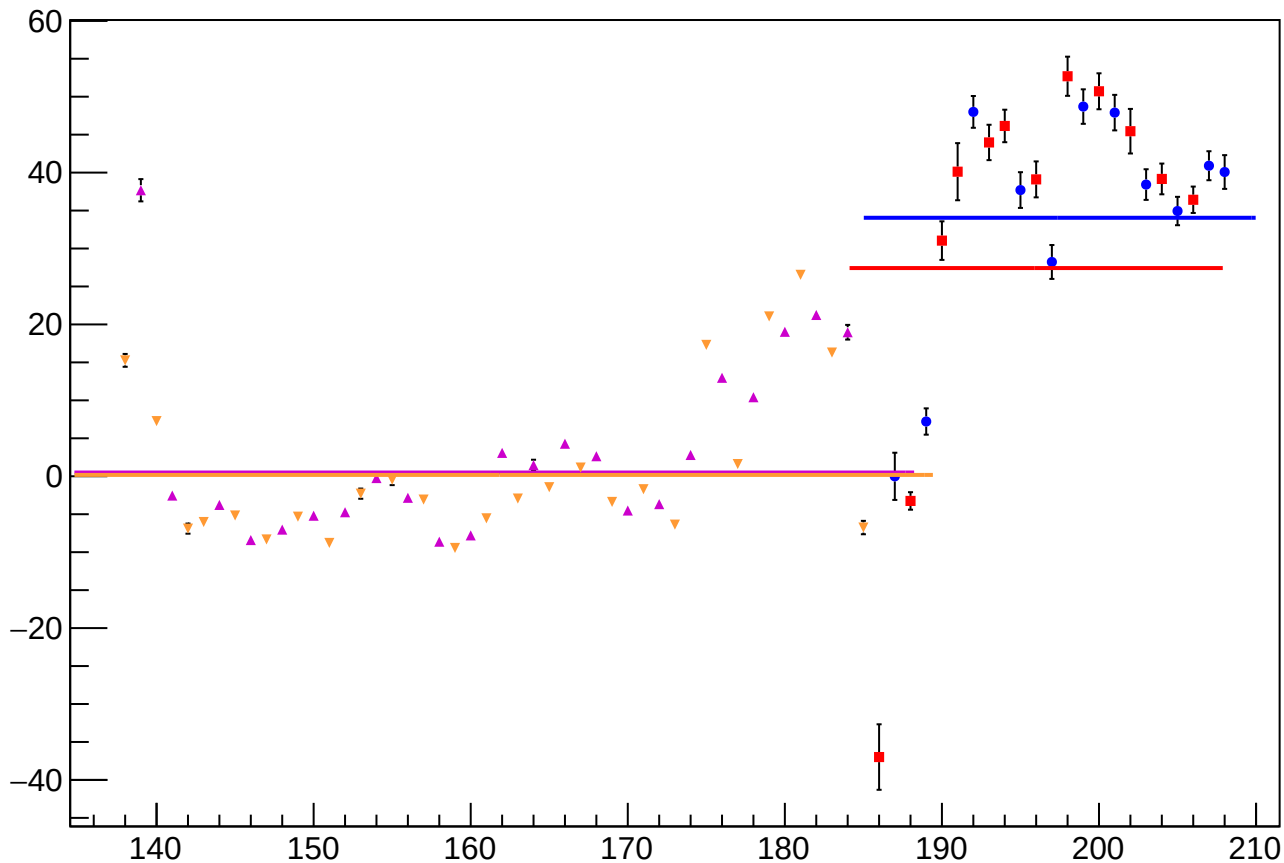
All: 0.478 $\pm$ 0.003 χ^2 /NDF: 18302.1/106

- 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: 34.050 +/- 0.641 χ^2/NDF : 515.3/10

Left Out: 0.177 +/- 0.109 χ^2/NDF : 8295.6/24

Right Out: 27.425 +/- 0.616 χ^2/NDF : 1386.6/11

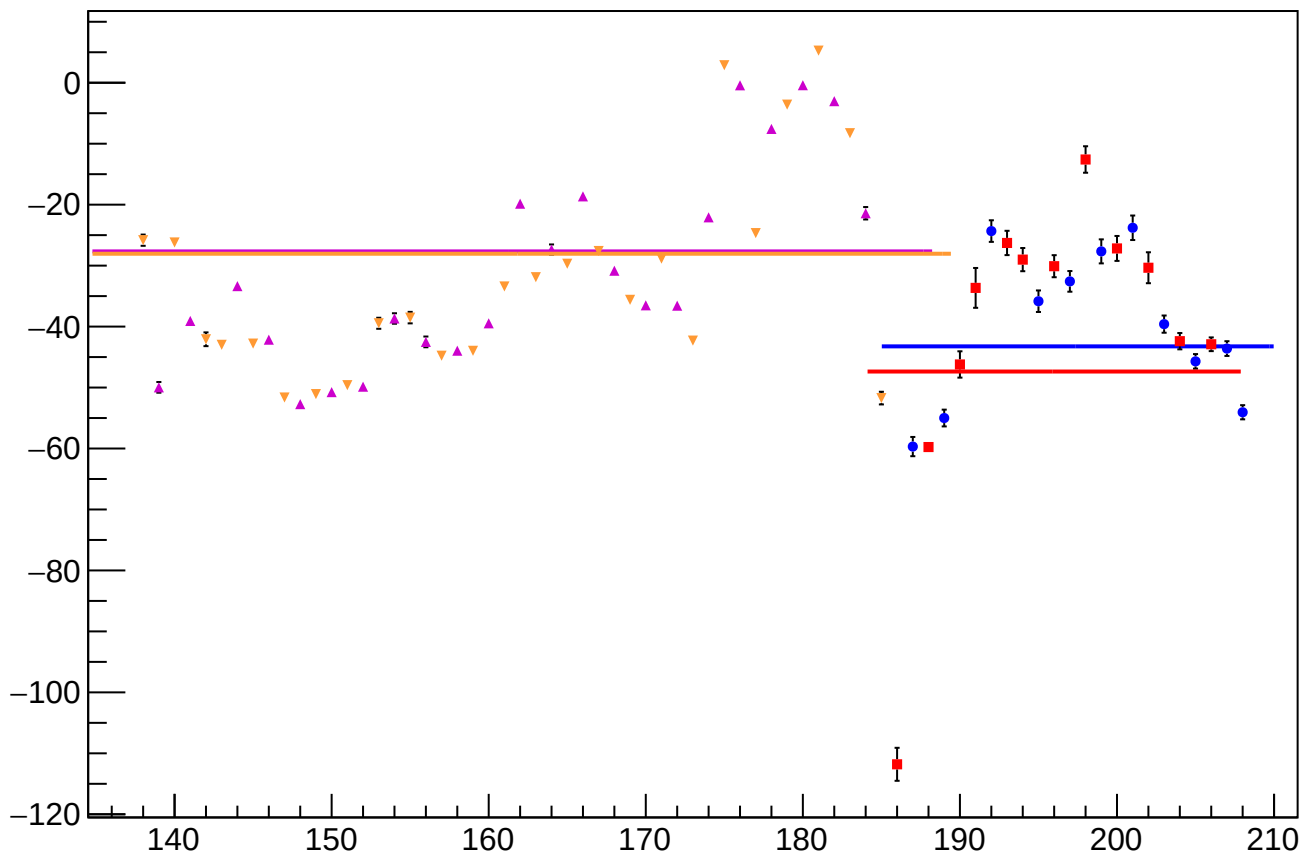
Left In: 0.493 +/- 0.112 χ^2/NDF : 6555.4/22

+ sign 1.120 +/- 0.107 χ^2/NDF : 11521.4/35

All: 1.234 +/- 0.077 χ^2/NDF : 21313.9/70

- sign 1.356 +/- 0.110 χ^2/NDF : 9790.1/34

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -43.245 ± 0.445 $\chi^2/\text{NDF}: 606.1/10$

Left Out: -28.050 ± 0.140 $\chi^2/\text{NDF}: 17144.5/24$

Right Out: -47.372 ± 0.422 $\chi^2/\text{NDF}: 1675.8/11$

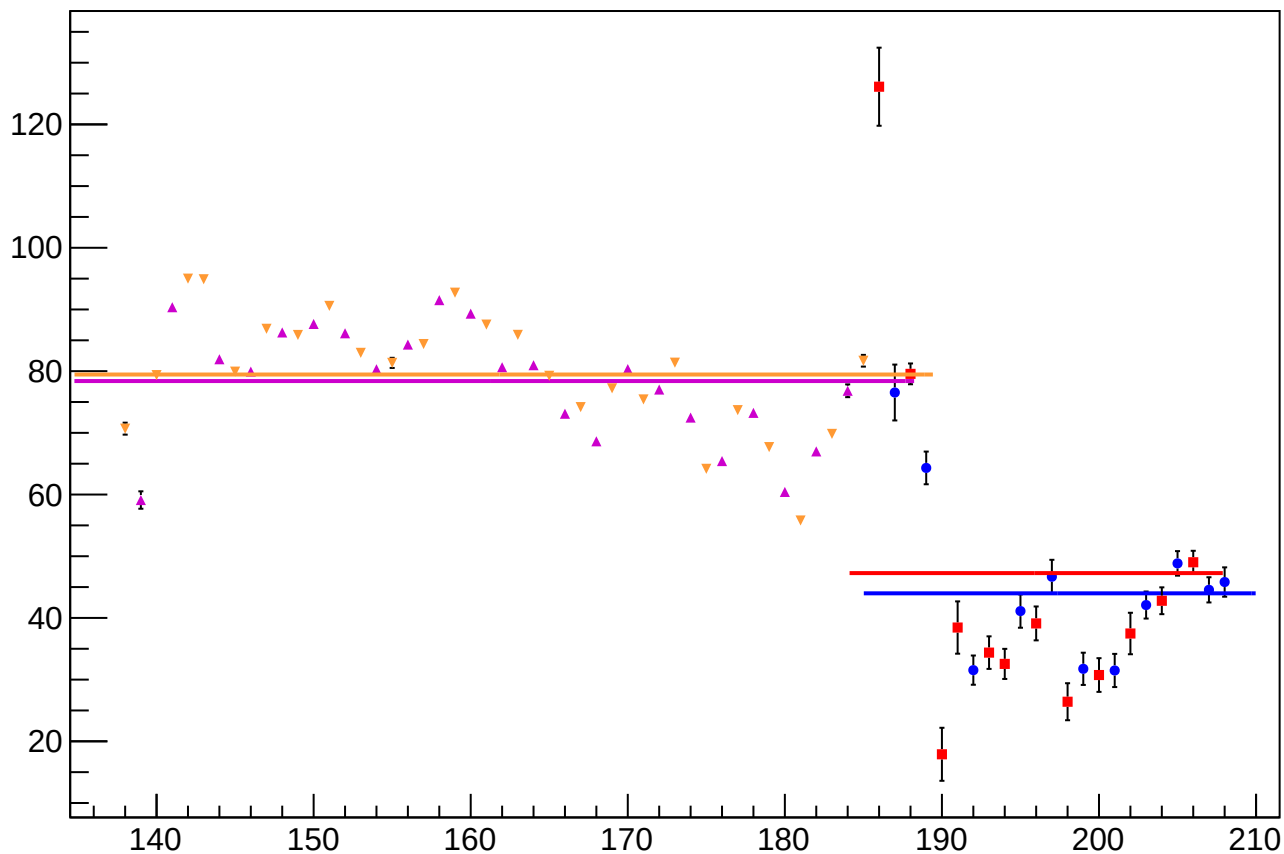
Left In: -27.666 ± 0.142 $\chi^2/\text{NDF}: 15003.2/22$

+ sign -29.416 ± 0.133 $\chi^2/\text{NDF}: 18811.5/35$

All: -29.548 ± 0.095 $\chi^2/\text{NDF}: 37451.0/70$

- sign -29.683 ± 0.135 $\chi^2/\text{NDF}: 18637.5/34$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 43.987 $\pm$ 0.745 χ^2 /NDF: 191.2/10

Left Out: 79.456 $\pm$ 0.123 χ^2 /NDF: 6077.1/24

Right Out: 47.266 $\pm$ 0.752 χ^2 /NDF: 740.7/11

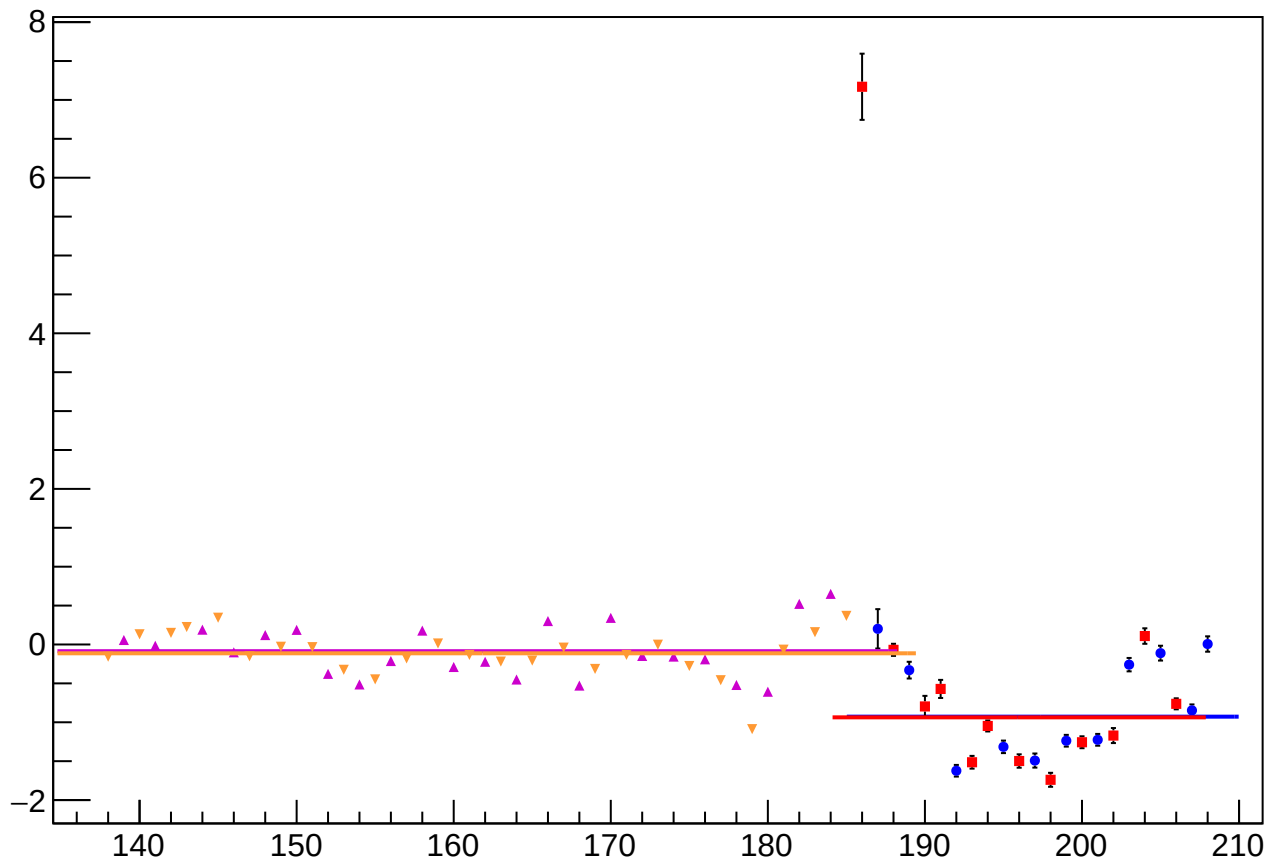
Left In: 78.396 $\pm$ 0.127 χ^2 /NDF: 4707.3/22

+ sign 78.512 $\pm$ 0.122 χ^2 /NDF: 8474.9/35

All: 78.038 $\pm$ 0.087 χ^2 /NDF: 15618.5/70

- sign 77.537 $\pm$ 0.125 χ^2 /NDF: 7112.3/34

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.928 ± 0.027 χ^2/NDF : 454.7/10

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.937 ± 0.026 χ^2/NDF : 811.9/11

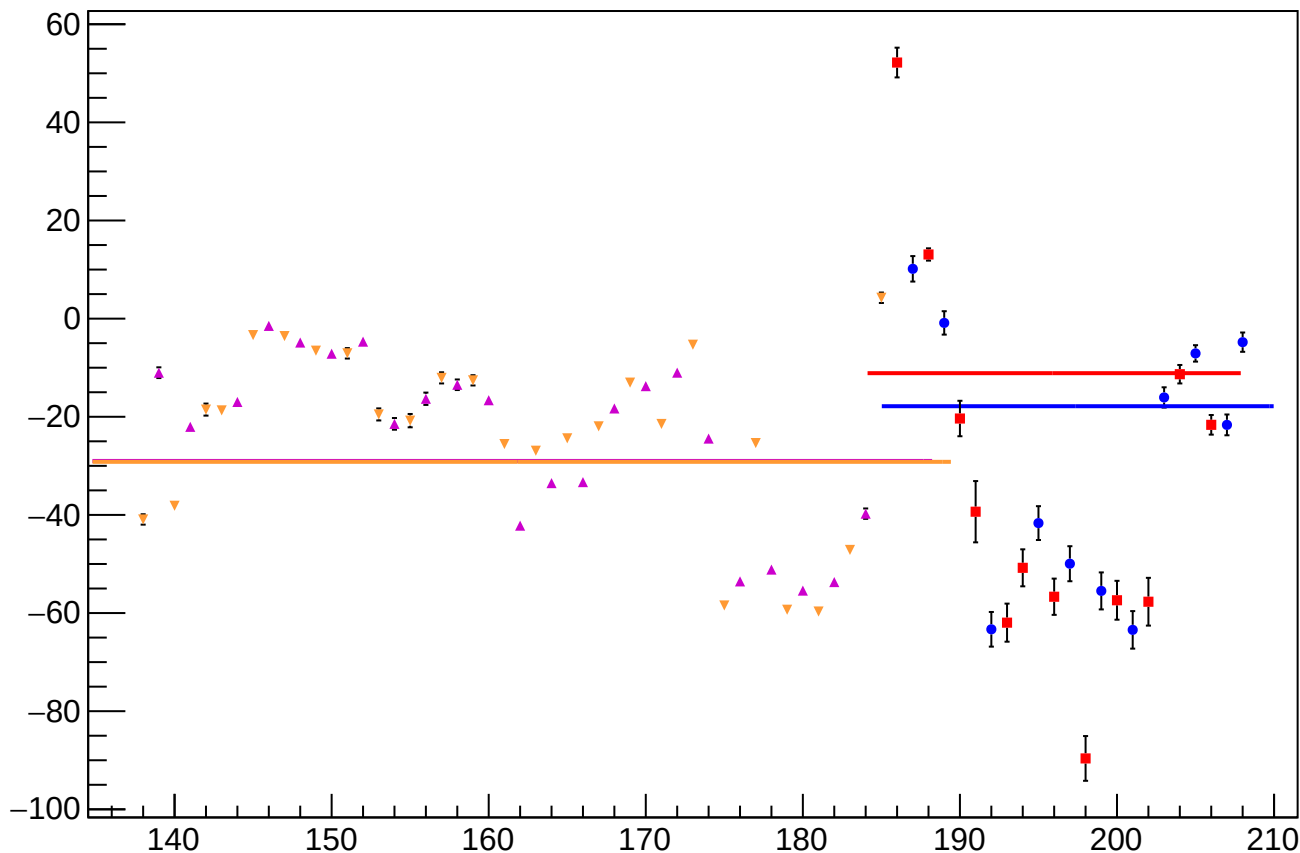
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.149 ± 0.006 χ^2/NDF : 3660.0/35

All: -0.138 ± 0.004 χ^2/NDF : 8633.4/70

- sign -0.126 ± 0.006 χ^2/NDF : 4965.3/34

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -17.848 ± 0.750 $\chi^2/\text{NDF}: 792.3/10$

Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$

Right Out: -11.114 ± 0.757 $\chi^2/\text{NDF}: 1823.6/11$

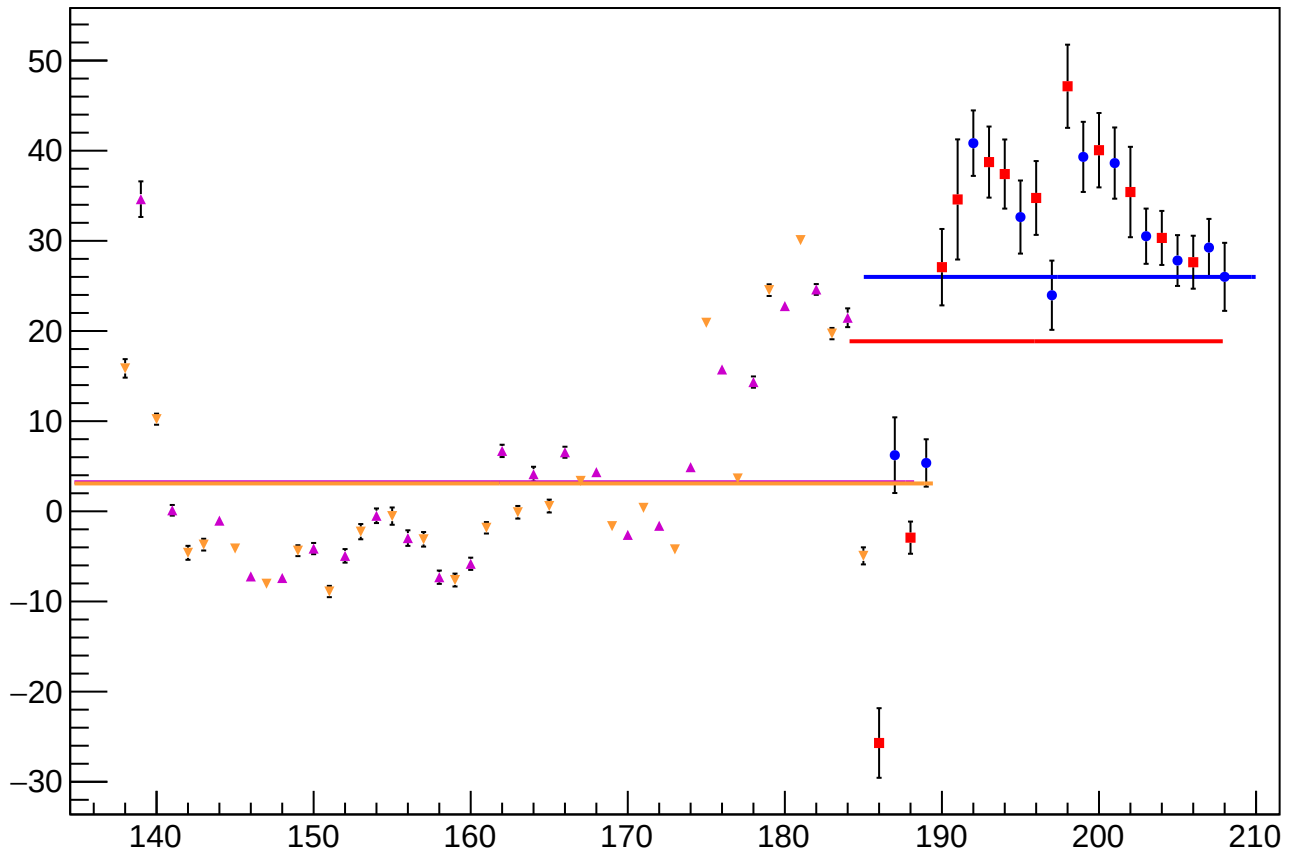
Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -28.706 ± 0.153 $\chi^2/\text{NDF}: 17923.3/35$

All: -28.477 ± 0.110 $\chi^2/\text{NDF}: 33703.0/70$

- sign -28.239 ± 0.156 $\chi^2/\text{NDF}: 15775.2/34$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 25.999 ± 1.033 χ^2/NDF : 129.1/10

Left Out: 3.091 ± 0.124 χ^2/NDF : 8084.1/24

Right Out: 18.861 ± 0.988 χ^2/NDF : 453.8/11

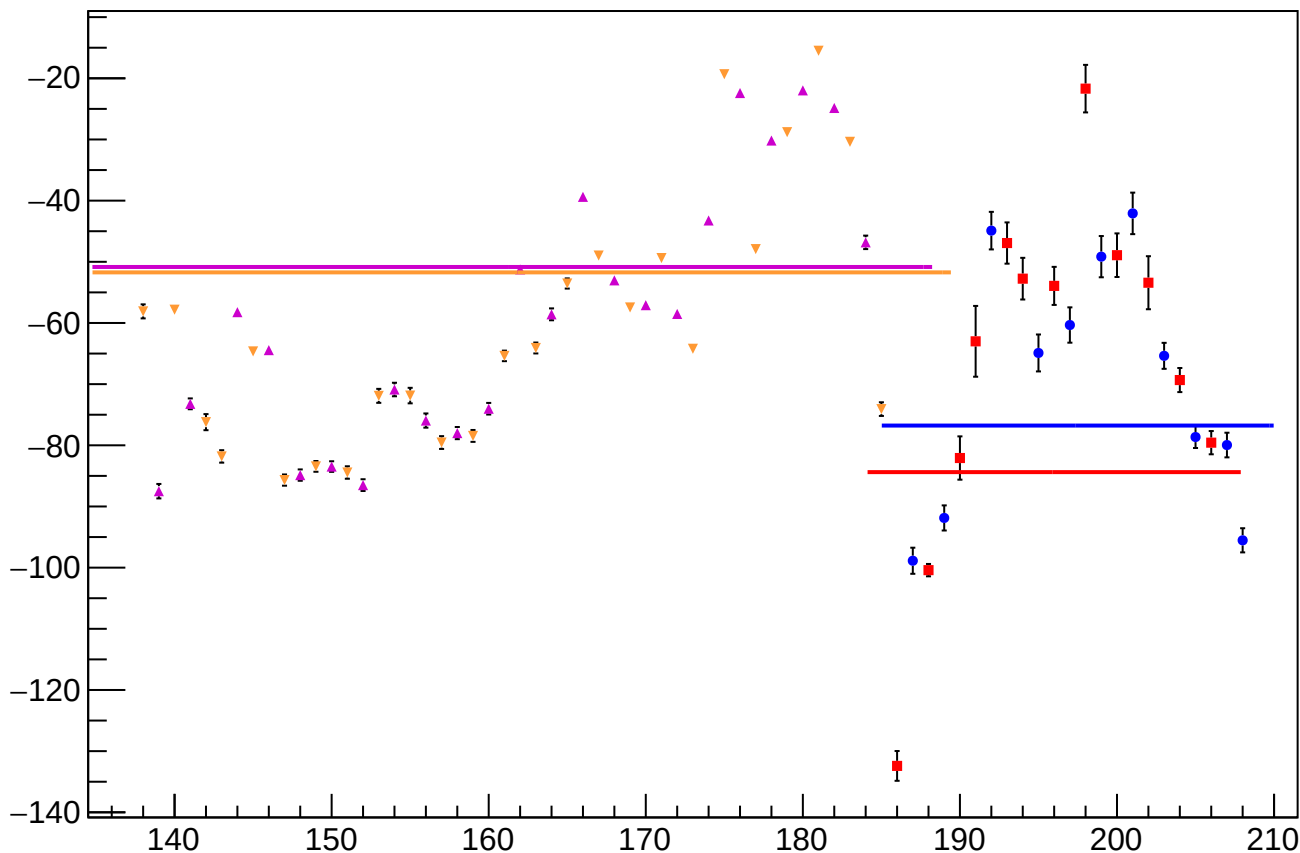
Left In: 3.221 ± 0.127 χ^2/NDF : 6237.6/22

+ sign 3.419 ± 0.124 χ^2/NDF : 8698.4/35

All: 3.446 ± 0.088 χ^2/NDF : 15636.3/70

- sign 3.475 ± 0.126 χ^2/NDF : 6937.8/34

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -76.772 ± 0.707 χ^2/NDF : 611.1/10

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -84.384 ± 0.664 χ^2/NDF : 1434.9/11

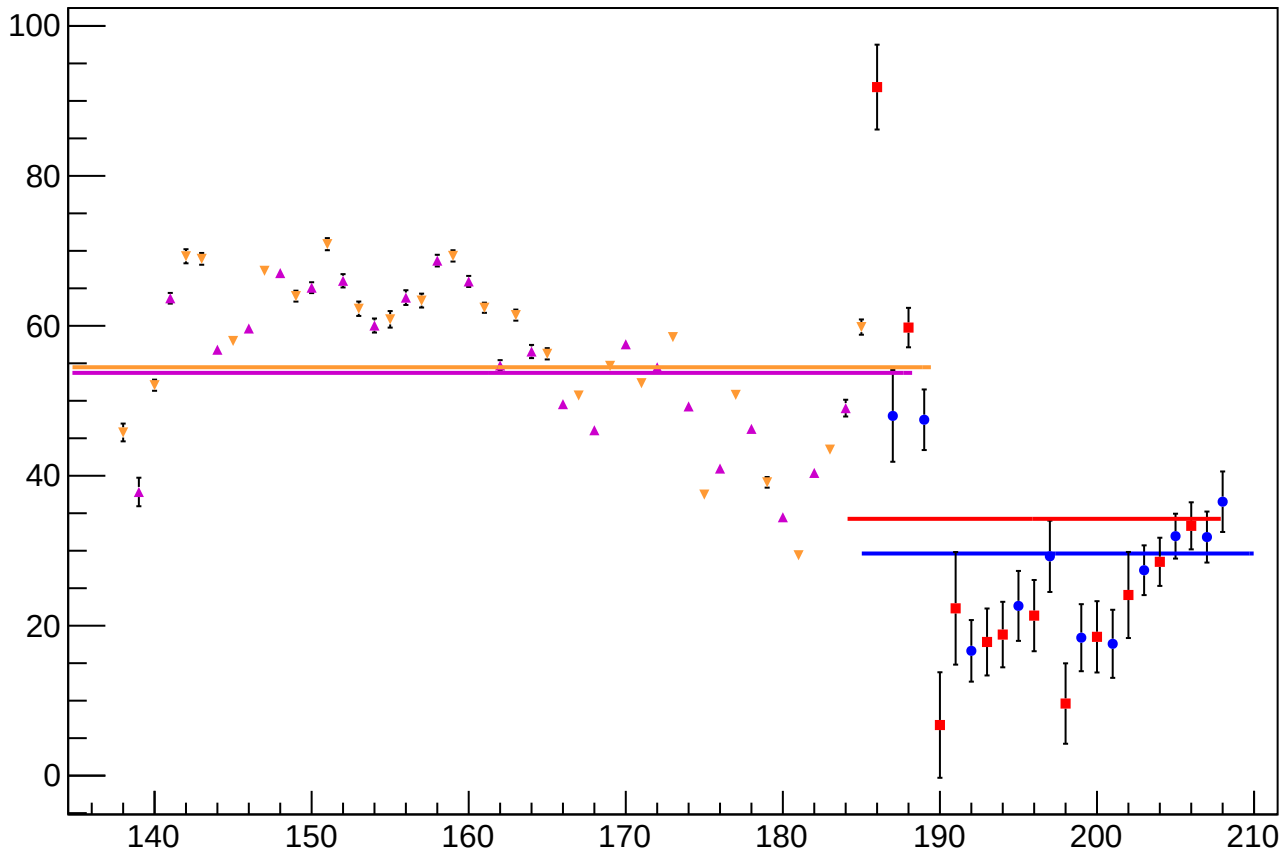
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -52.920 ± 0.154 χ^2/NDF : 21345.1/35

All: -52.804 ± 0.110 χ^2/NDF : 42463.2/70

- sign -52.686 ± 0.156 χ^2/NDF : 21117.0/34

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 29.629 ± 1.207 $\chi^2/\text{NDF}: 58.5/10$

Left Out: 54.476 ± 0.140 $\chi^2/\text{NDF}: 6266.9/24$

Right Out: 34.255 ± 1.223 $\chi^2/\text{NDF}: 287.2/11$

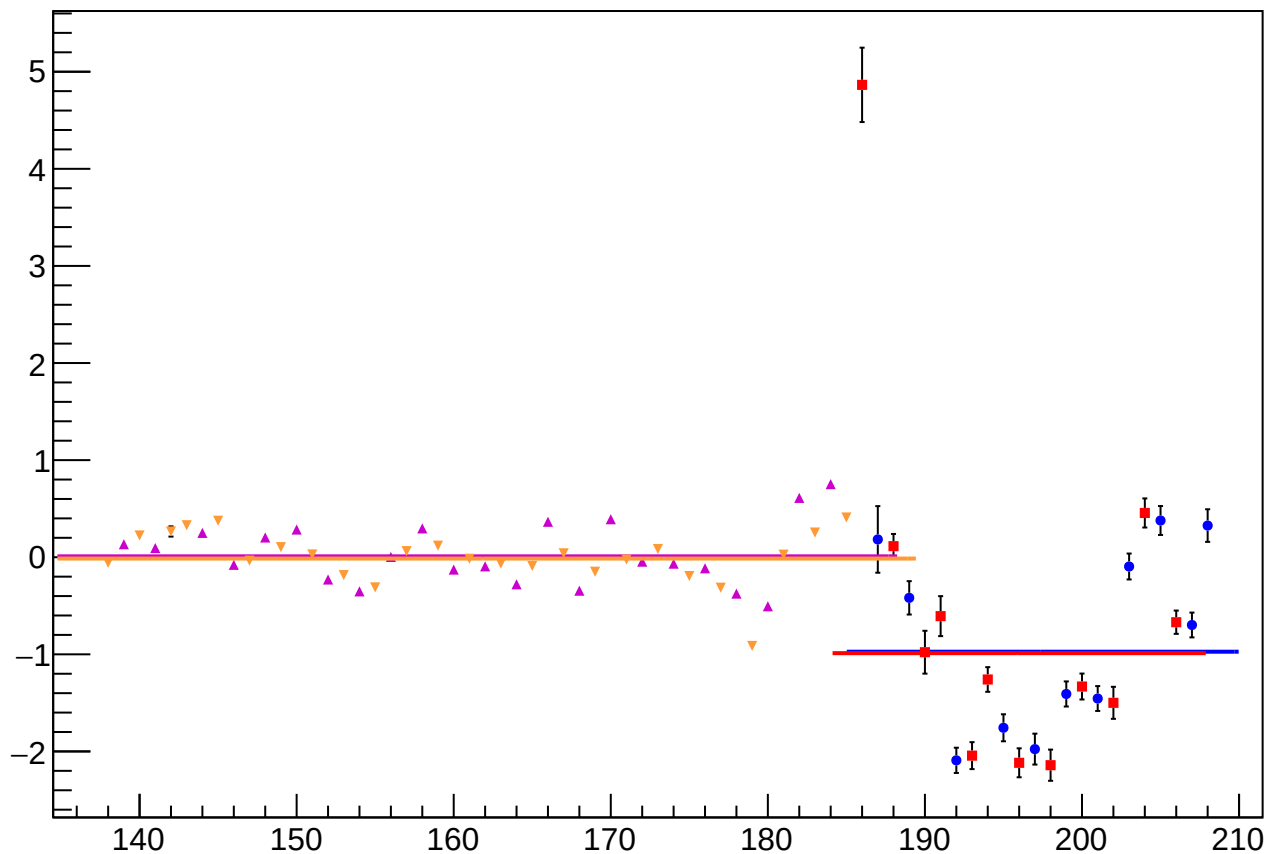
Left In: 53.724 ± 0.143 $\chi^2/\text{NDF}: 4585.7/22$

+ sign 54.145 ± 0.139 $\chi^2/\text{NDF}: 6743.4/35$

All: 53.810 ± 0.099 $\chi^2/\text{NDF}: 11877.9/70$

- sign 53.461 ± 0.142 $\chi^2/\text{NDF}: 5122.7/34$

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.973 ± 0.044 χ^2/NDF : 383.0/10

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.988 ± 0.044 χ^2/NDF : 601.2/11

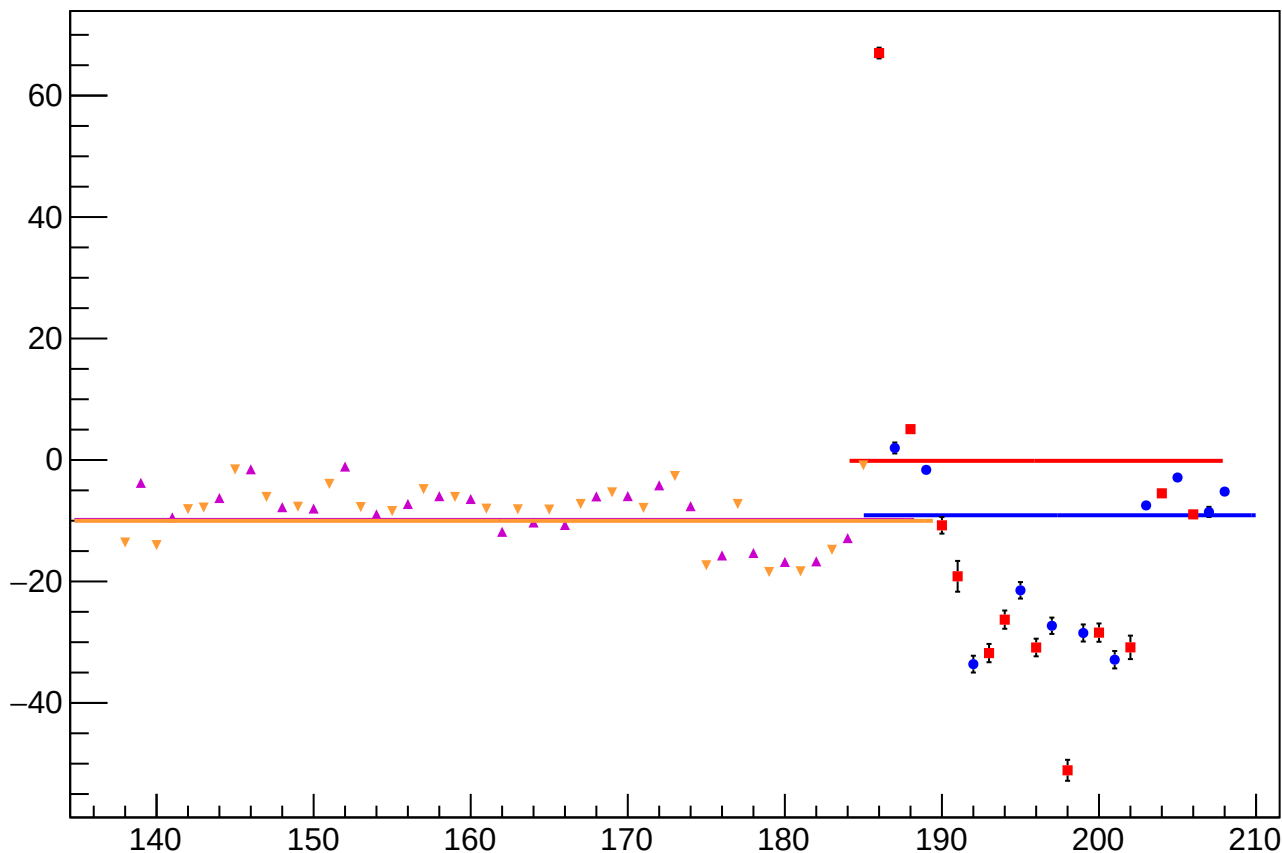
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.034 ± 0.006 χ^2/NDF : 2498.8/35

All: -0.023 ± 0.005 χ^2/NDF : 5830.5/70

- sign -0.013 ± 0.006 χ^2/NDF : 3326.4/34

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -9.101 ± 0.280 $\chi^2/\text{NDF}: 1410.2/10$

Left Out: -10.017 ± 0.051 $\chi^2/\text{NDF}: 12552.8/24$

Right Out: -0.137 ± 0.276 $\chi^2/\text{NDF}: 8862.5/11$

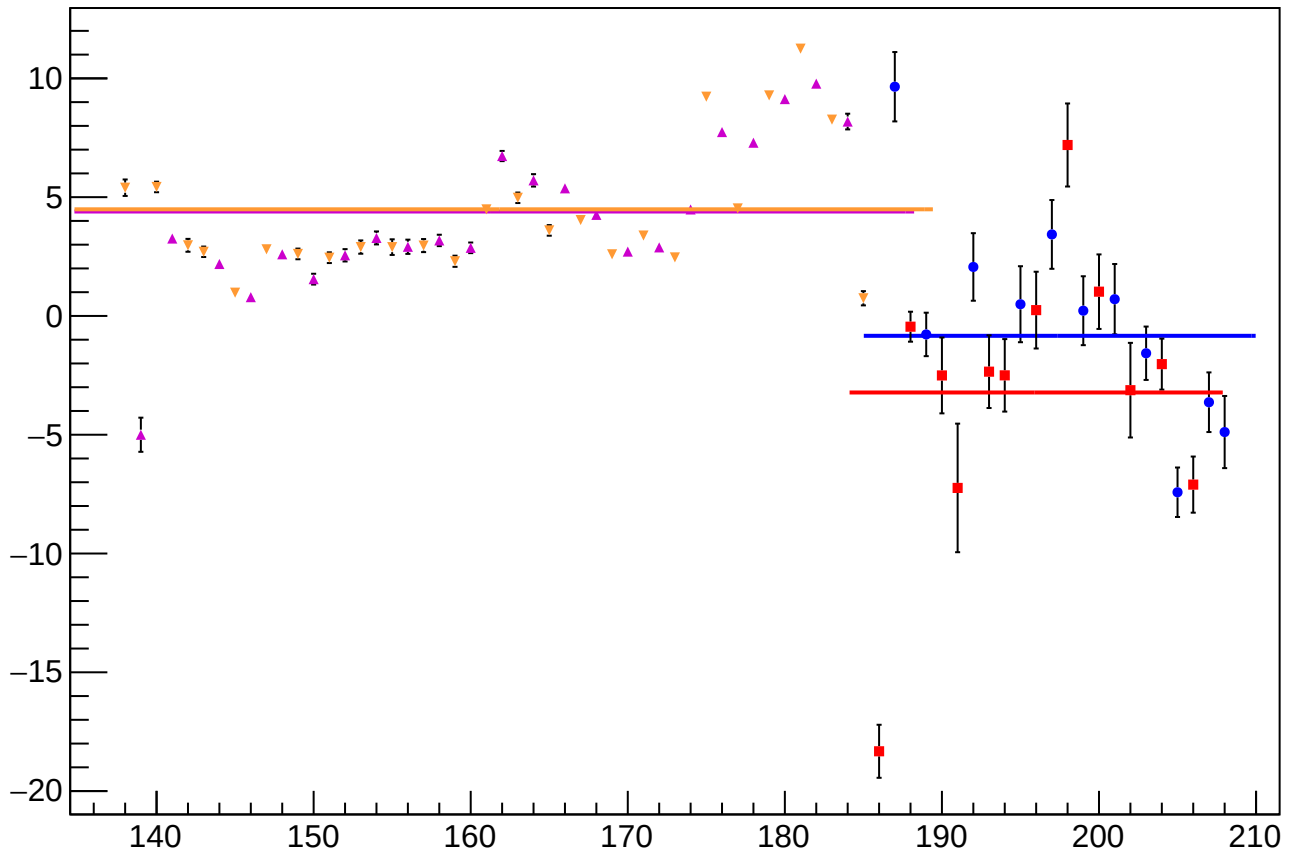
Left In: -9.865 ± 0.051 $\chi^2/\text{NDF}: 9345.4/22$

+ sign -9.988 ± 0.050 $\chi^2/\text{NDF}: 13973.4/35$

All: -9.766 ± 0.035 $\chi^2/\text{NDF}: 33425.9/70$

- sign -9.538 ± 0.051 $\chi^2/\text{NDF}: 19412.4/34$

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -0.836 ± 0.385 χ^2/NDF : 119.2/10

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -3.222 ± 0.361 χ^2/NDF : 264.8/11

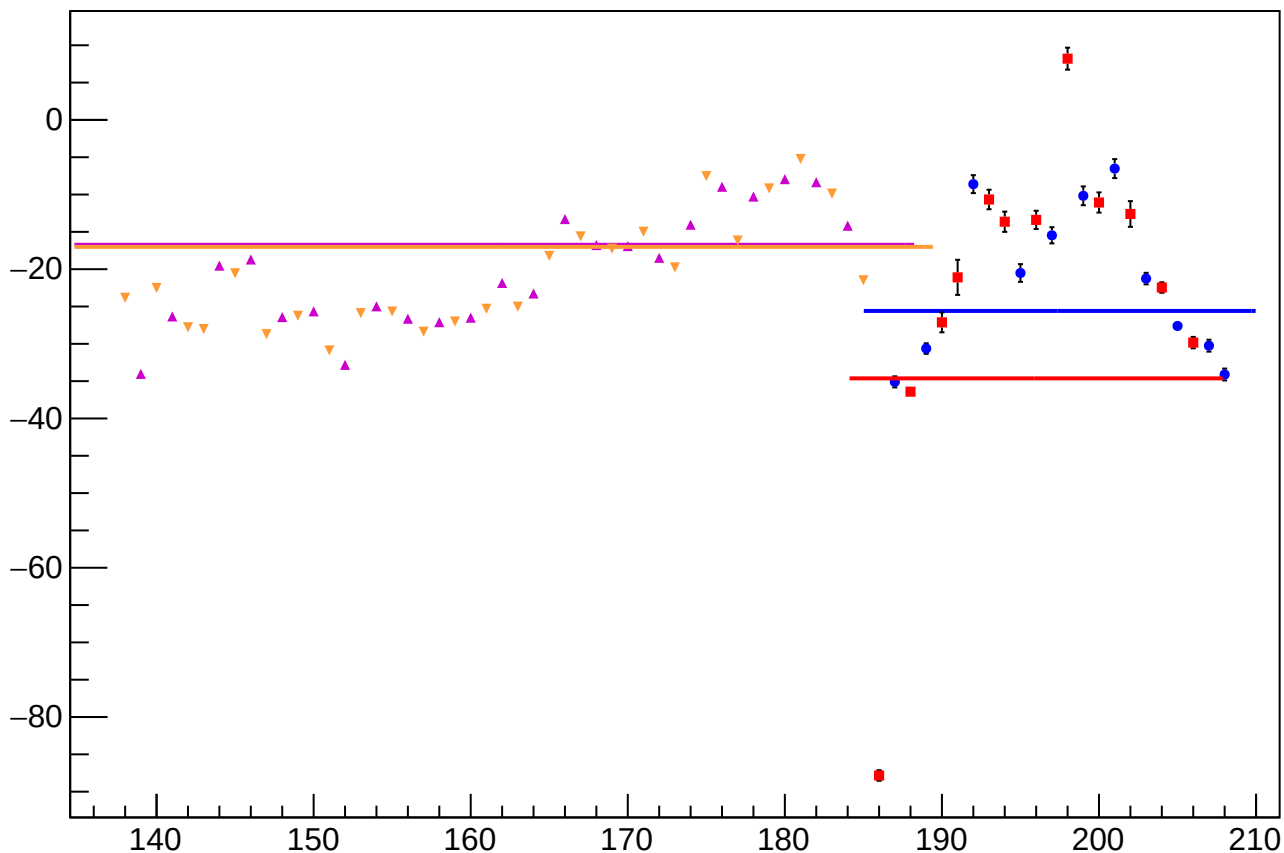
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.430 ± 0.040 χ^2/NDF : 5140.6/35

All: 4.365 ± 0.029 χ^2/NDF : 10079.6/70

- sign 4.298 ± 0.041 χ^2/NDF : 4933.8/34

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -25.593 ± 0.263 χ^2/NDF : 1084.6/10

Left Out: -17.008 ± 0.051 χ^2/NDF : 22094.7/24

Right Out: -34.628 ± 0.240 χ^2/NDF : 8217.1/11

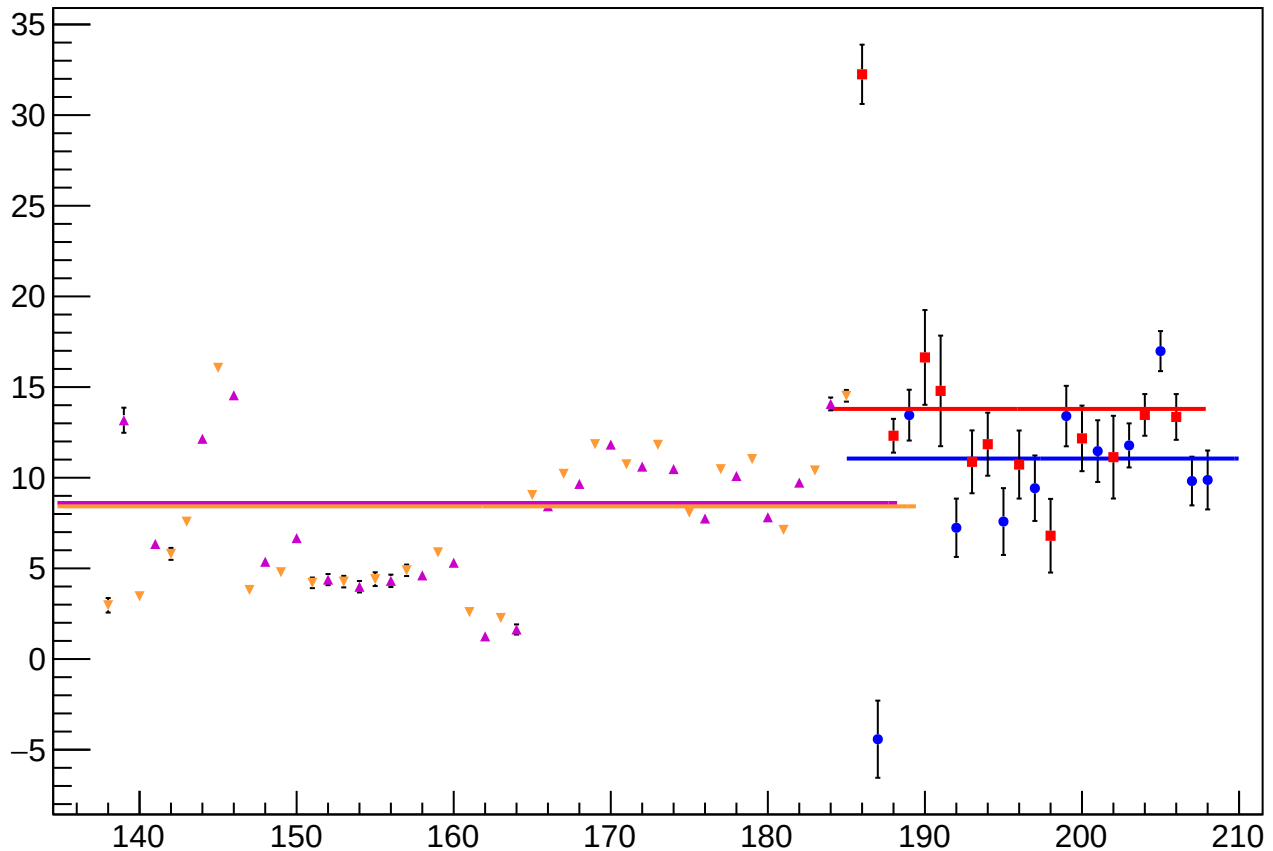
Left In: -16.732 ± 0.052 χ^2/NDF : 18777.2/22

+ sign -17.320 ± 0.050 χ^2/NDF : 24204.0/35

All: -17.419 ± 0.036 χ^2/NDF : 56511.4/70

- sign -17.519 ± 0.050 χ^2/NDF : 32299.5/34

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 11.057 $\pm$ 0.454 χ^2 /NDF: 98.4/10

Left Out: 8.422 $\pm$ 0.046 χ^2 /NDF: 6470.1/24

Right Out: 13.796 $\pm$ 0.454 χ^2 /NDF: 152.2/11

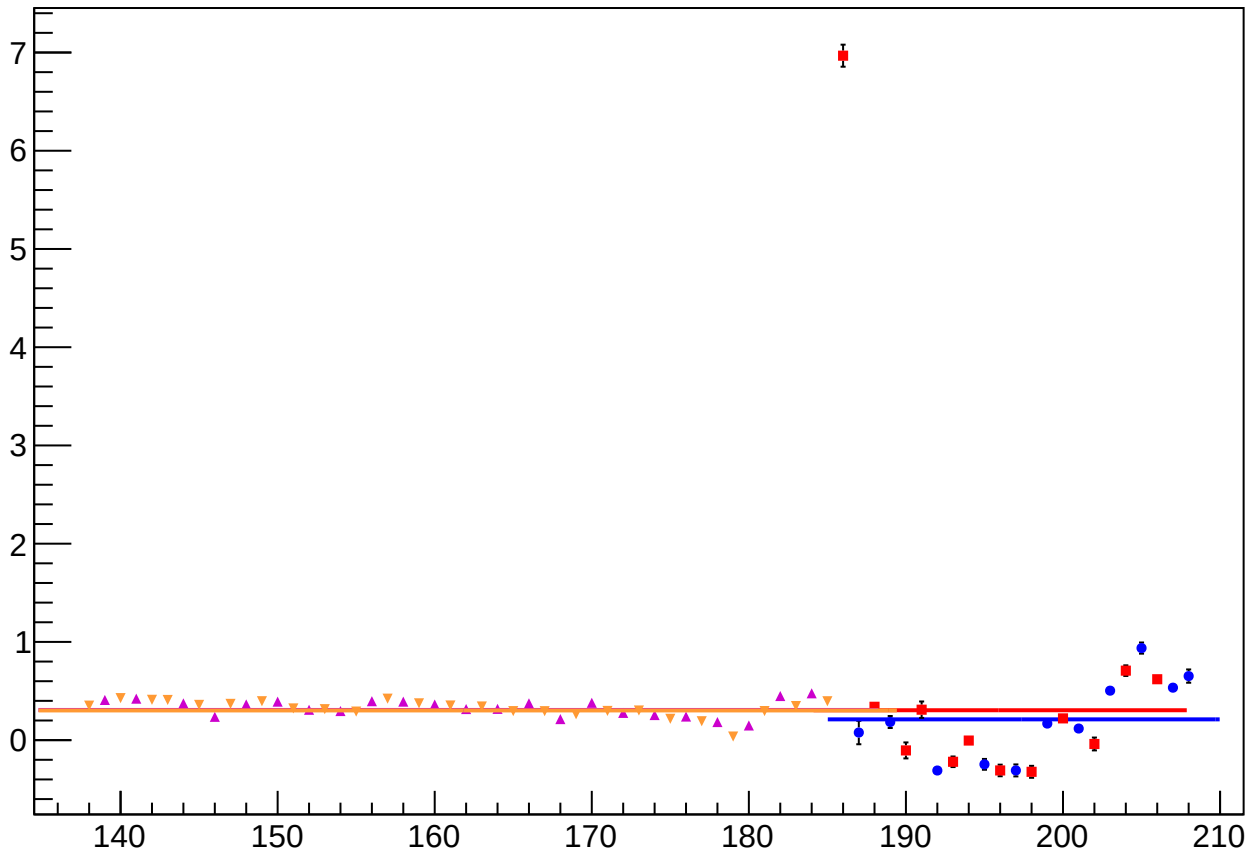
Left In: 8.606 $\pm$ 0.046 χ^2 /NDF: 5504.2/22

+ sign 8.448 $\pm$ 0.045 χ^2 /NDF: 6601.9/35

All: 8.552 $\pm$ 0.032 χ^2 /NDF: 12398.3/70

- sign 8.660 $\pm$ 0.046 χ^2 /NDF: 5785.7/34

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.212 ± 0.017 $\chi^2/\text{NDF}: 534.3/10$

Left Out: 0.302 ± 0.002 $\chi^2/\text{NDF}: 1590.9/24$

Right Out: 0.304 ± 0.017 $\chi^2/\text{NDF}: 4028.4/11$

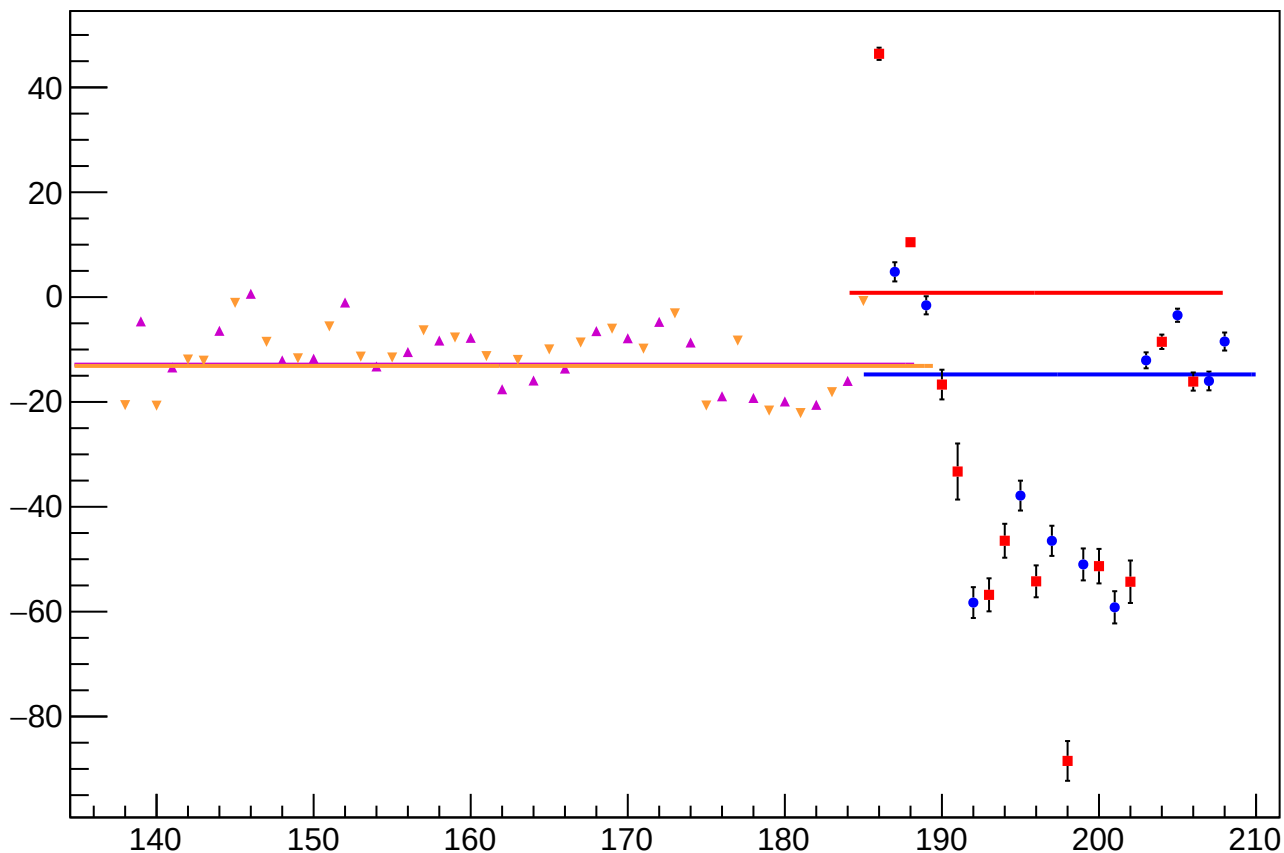
Left In: 0.307 ± 0.002 $\chi^2/\text{NDF}: 1699.5/22$

+ sign 0.301 ± 0.002 $\chi^2/\text{NDF}: 2153.8/35$

All: 0.304 ± 0.001 $\chi^2/\text{NDF}: 7886.0/70$

- sign 0.307 ± 0.002 $\chi^2/\text{NDF}: 5727.9/34$

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -14.751 ± 0.585 $\chi^2/\text{NDF}: 1026.7/10$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: 0.820 ± 0.540 $\chi^2/\text{NDF}: 3720.9/11$

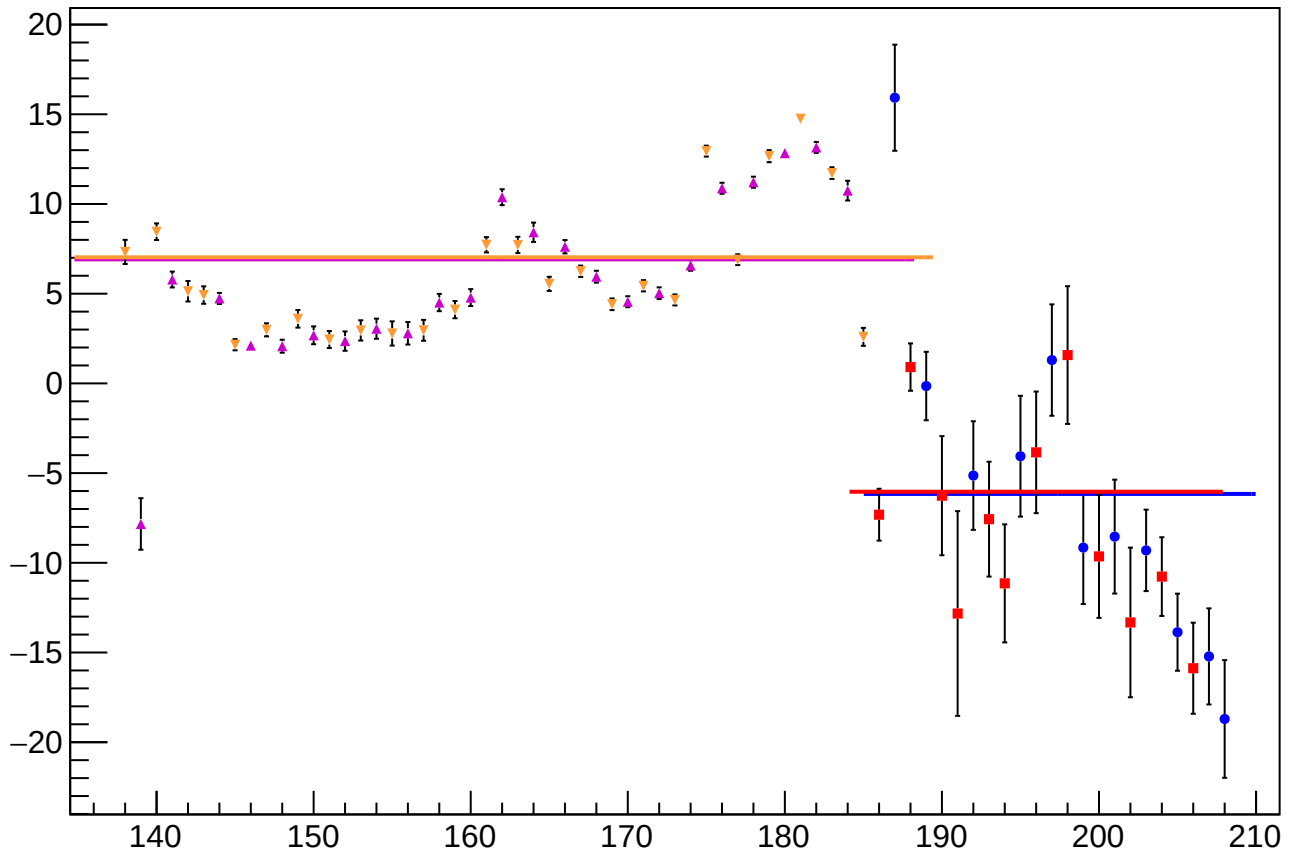
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.166 ± 0.092 $\chi^2/\text{NDF}: 7011.9/35$

All: -12.823 ± 0.066 $\chi^2/\text{NDF}: 16162.5/70$

- sign -12.472 ± 0.094 $\chi^2/\text{NDF}: 9122.9/34$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -6.161 ± 0.807 $\chi^2/\text{NDF}: 114.3/10$

Left Out: 7.028 ± 0.077 $\chi^2/\text{NDF}: 2665.3/24$

Right Out: -6.038 ± 0.703 $\chi^2/\text{NDF}: 60.7/11$

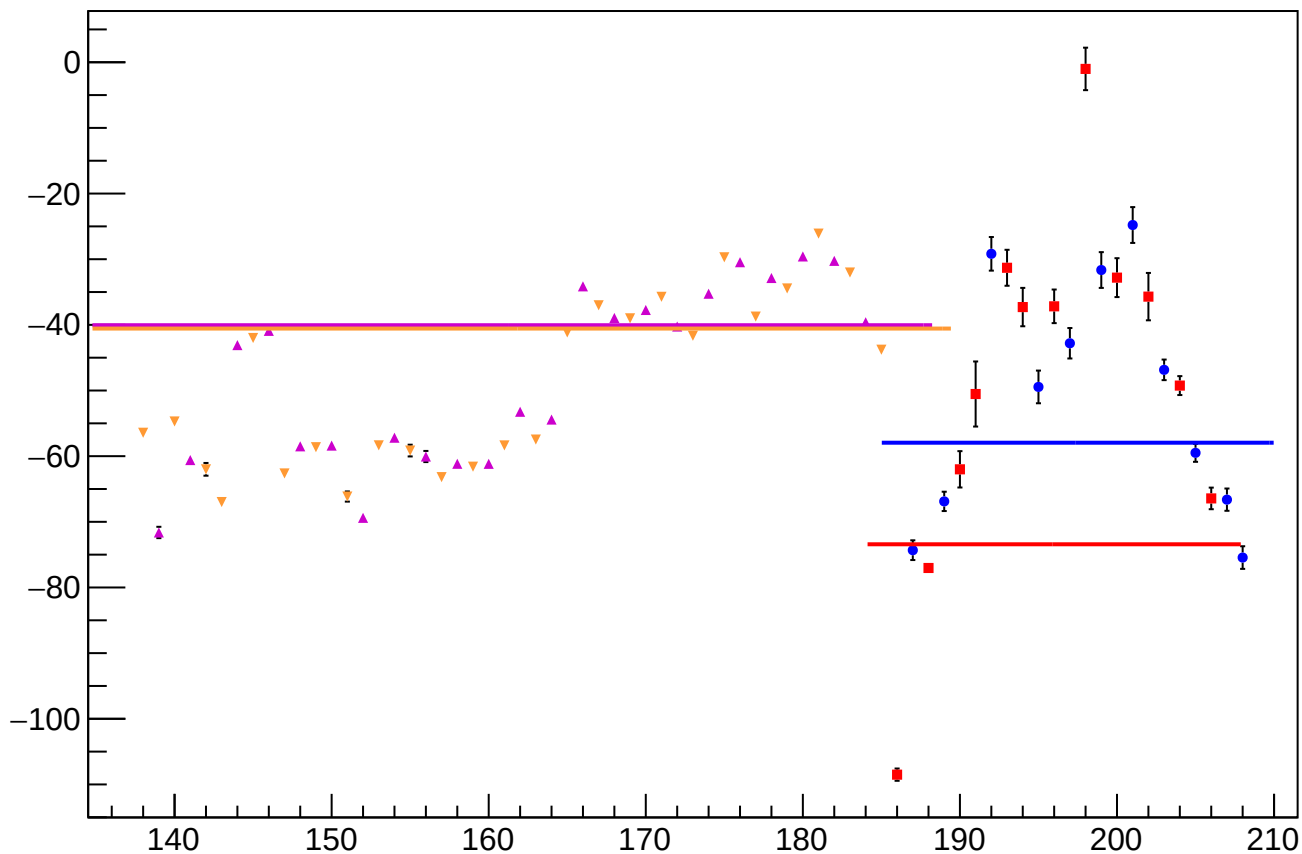
Left In: 6.914 ± 0.078 $\chi^2/\text{NDF}: 2428.2/22$

+ sign 6.908 ± 0.077 $\chi^2/\text{NDF}: 3044.0/35$

All: 6.833 ± 0.054 $\chi^2/\text{NDF}: 5870.5/70$

- sign 6.757 ± 0.077 $\chi^2/\text{NDF}: 2824.5/34$

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -57.949 ± 0.551 χ^2/NDF : 757.7/10

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -73.421 ± 0.465 χ^2/NDF : 3155.6/11

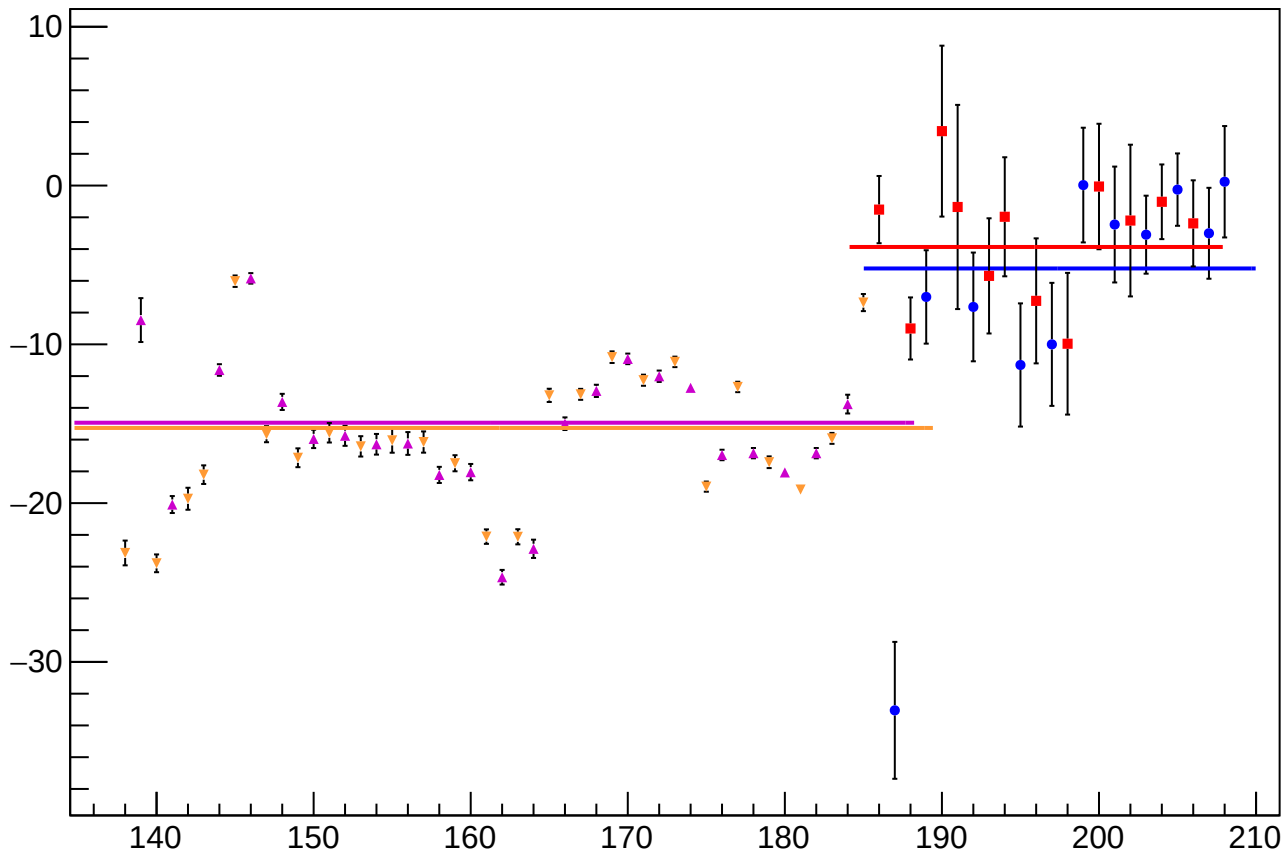
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -41.063 ± 0.093 χ^2/NDF : 17363.9/35

All: -41.235 ± 0.066 χ^2/NDF : 39394.0/70

- sign -41.408 ± 0.094 χ^2/NDF : 22023.2/34

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -5.221 ± 0.953 $\chi^2/\text{NDF}: 57.7/10$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -3.868 ± 0.902 $\chi^2/\text{NDF}: 16.0/11$

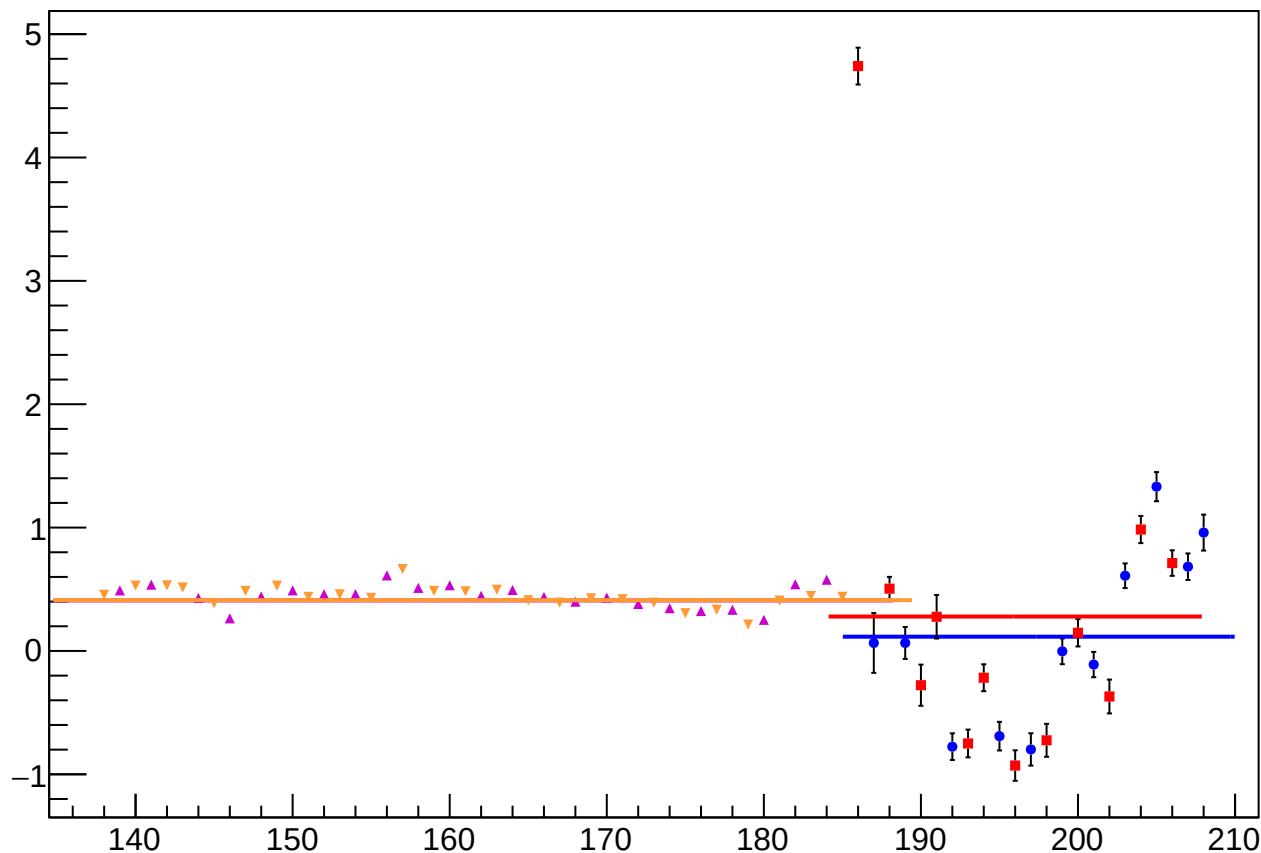
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.185 ± 0.086 $\chi^2/\text{NDF}: 2763.4/35$

All: -15.011 ± 0.061 $\chi^2/\text{NDF}: 5136.7/70$

- sign -14.835 ± 0.086 $\chi^2/\text{NDF}: 2365.1/34$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.116 ± 0.036 $\chi^2/\text{NDF}: 362.7/10$

Left Out: 0.411 ± 0.004 $\chi^2/\text{NDF}: 428.7/24$

Right Out: 0.279 ± 0.035 $\chi^2/\text{NDF}: 1247.3/11$

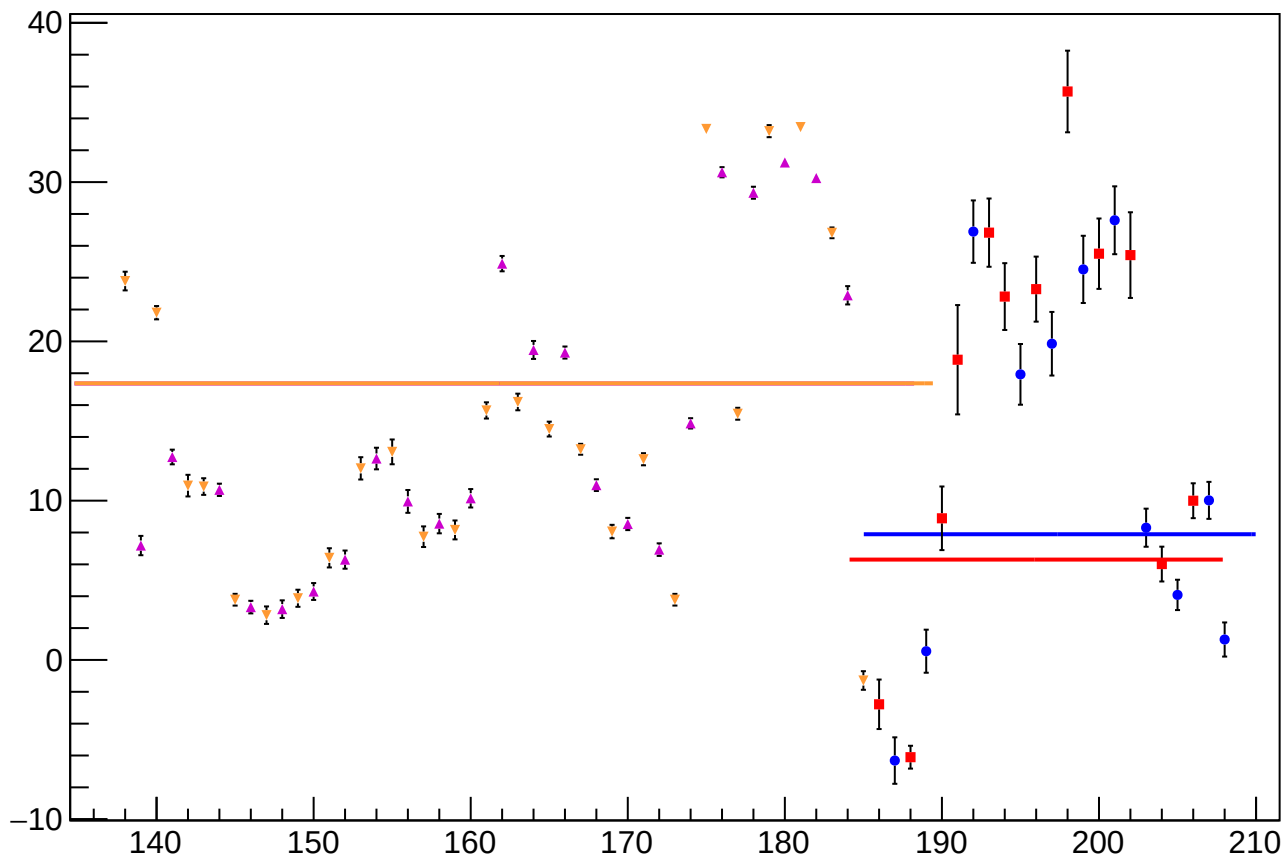
Left In: 0.409 ± 0.004 $\chi^2/\text{NDF}: 557.8/22$

+ sign 0.408 ± 0.004 $\chi^2/\text{NDF}: 859.4/35$

All: 0.408 ± 0.003 $\chi^2/\text{NDF}: 2678.3/70$

- sign 0.408 ± 0.004 $\chi^2/\text{NDF}: 1818.9/34$

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 7.892 ± 0.420 χ^2/NDF : 487.3/10

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: 6.301 ± 0.425 χ^2/NDF : 840.8/11

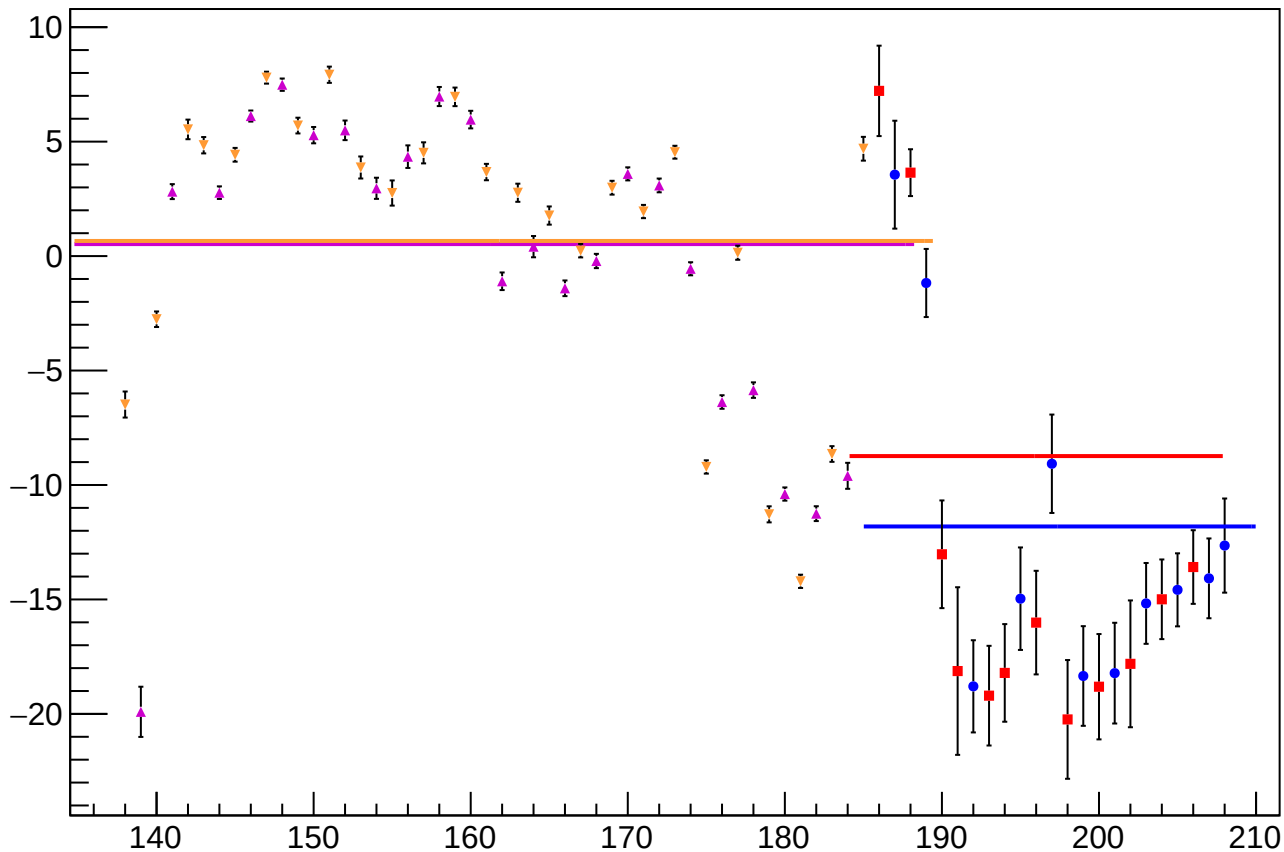
Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

+ sign 16.977 ± 0.085 χ^2/NDF : 17312.4/35

All: 16.935 ± 0.061 χ^2/NDF : 31548.3/70

- sign 16.891 ± 0.087 χ^2/NDF : 14235.4/34

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -11.812 ± 0.578 $\chi^2/\text{NDF}: 135.2/10$

Left Out: 0.661 ± 0.069 $\chi^2/\text{NDF}: 8553.9/24$

Right Out: -8.737 ± 0.552 $\chi^2/\text{NDF}: 346.4/11$

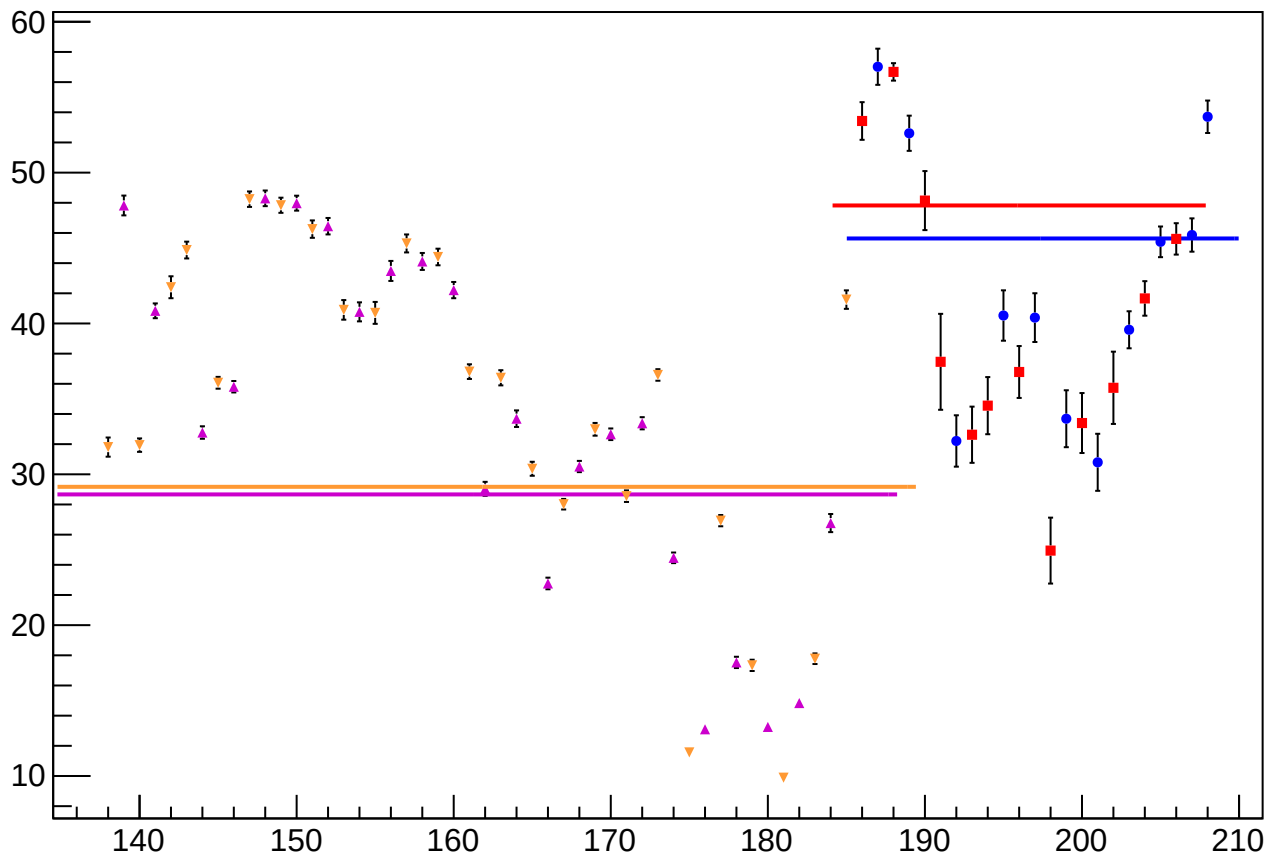
Left In: 0.524 ± 0.071 $\chi^2/\text{NDF}: 6729.7/22$

+ sign 0.484 ± 0.069 $\chi^2/\text{NDF}: 9147.8/35$

All: 0.430 ± 0.049 $\chi^2/\text{NDF}: 16501.8/70$

- 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: 45.635 $\pm$ 0.396 χ^2 /NDF: 390.3/10

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF: 18974.7/24

Right Out: 47.823 $\pm$ 0.372 χ^2 /NDF: 643.1/11

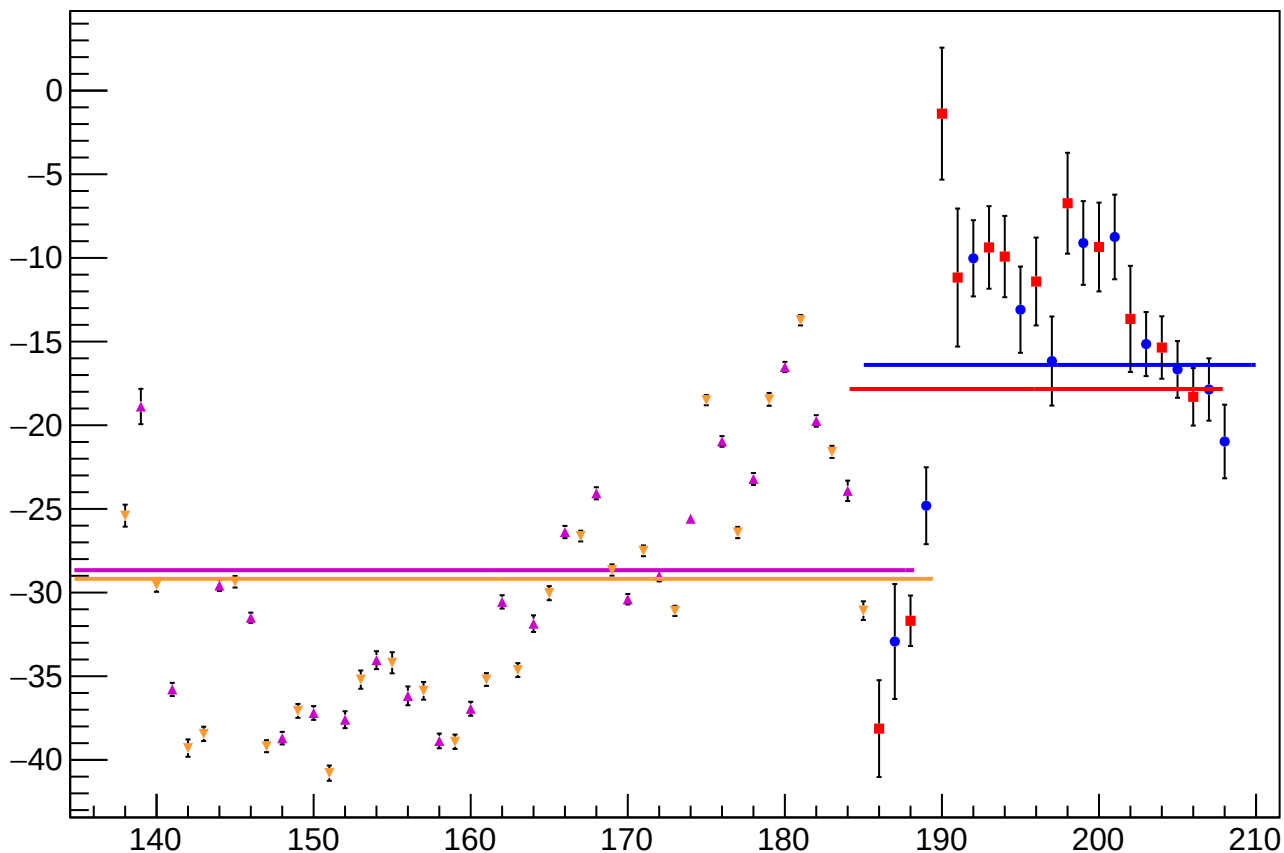
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF: 16847.2/22

+ sign 29.944 $\pm$ 0.086 χ^2 /NDF: 21016.5/35

All: 29.826 $\pm$ 0.061 χ^2 /NDF: 41015.5/70

- sign 29.706 $\pm$ 0.087 χ^2 /NDF: 19995.2/34

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -16.394 ± 0.676 $\chi^2/\text{NDF}: 69.1/10$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -17.832 ± 0.684 $\chi^2/\text{NDF}: 209.2/11$

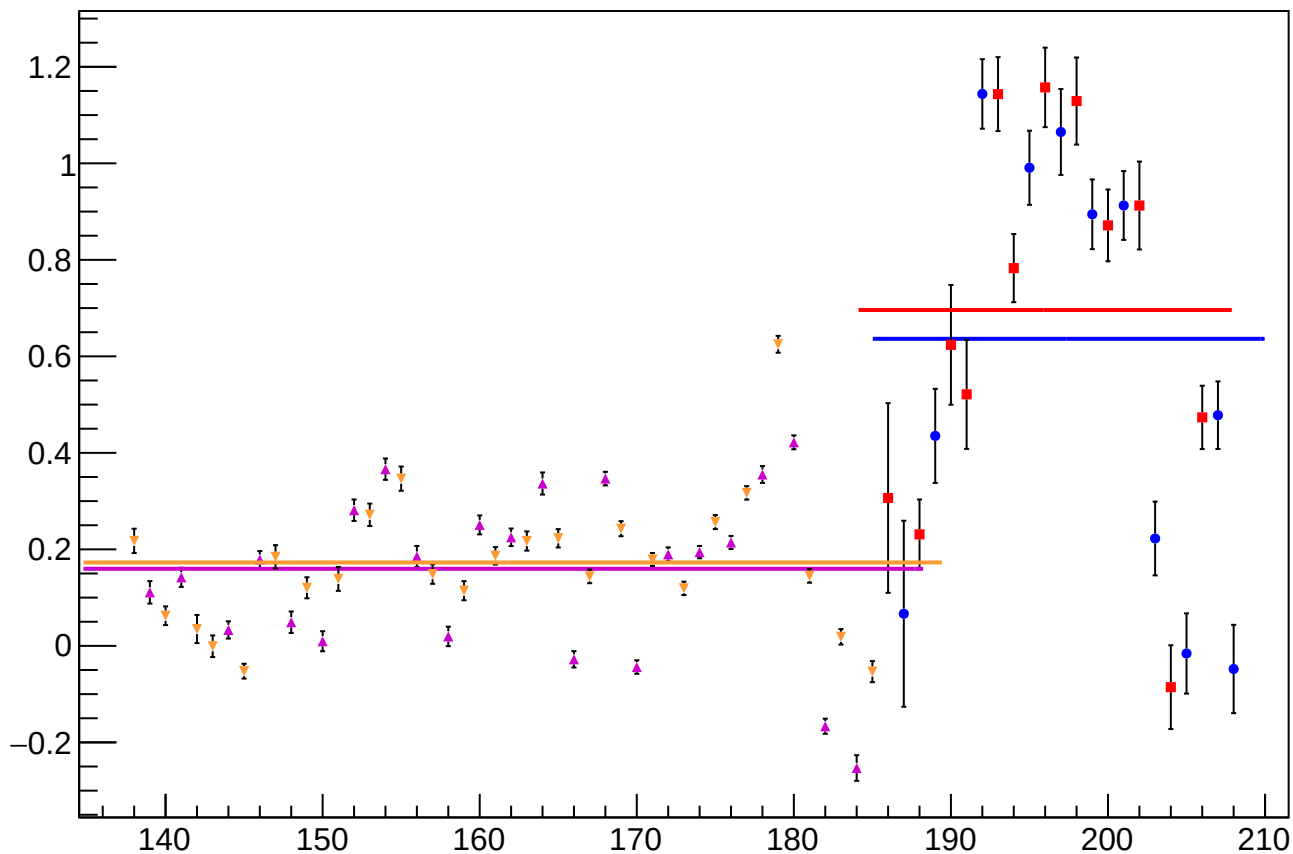
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -29.009 ± 0.078 $\chi^2/\text{NDF}: 9503.7/35$

All: -28.767 ± 0.055 $\chi^2/\text{NDF}: 16650.1/70$

- 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: 0.636 ± 0.025 $\chi^2/\text{NDF}: 286.7/10$

Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1478.5/24$

Right Out: 0.696 ± 0.024 $\chi^2/\text{NDF}: 241.7/11$

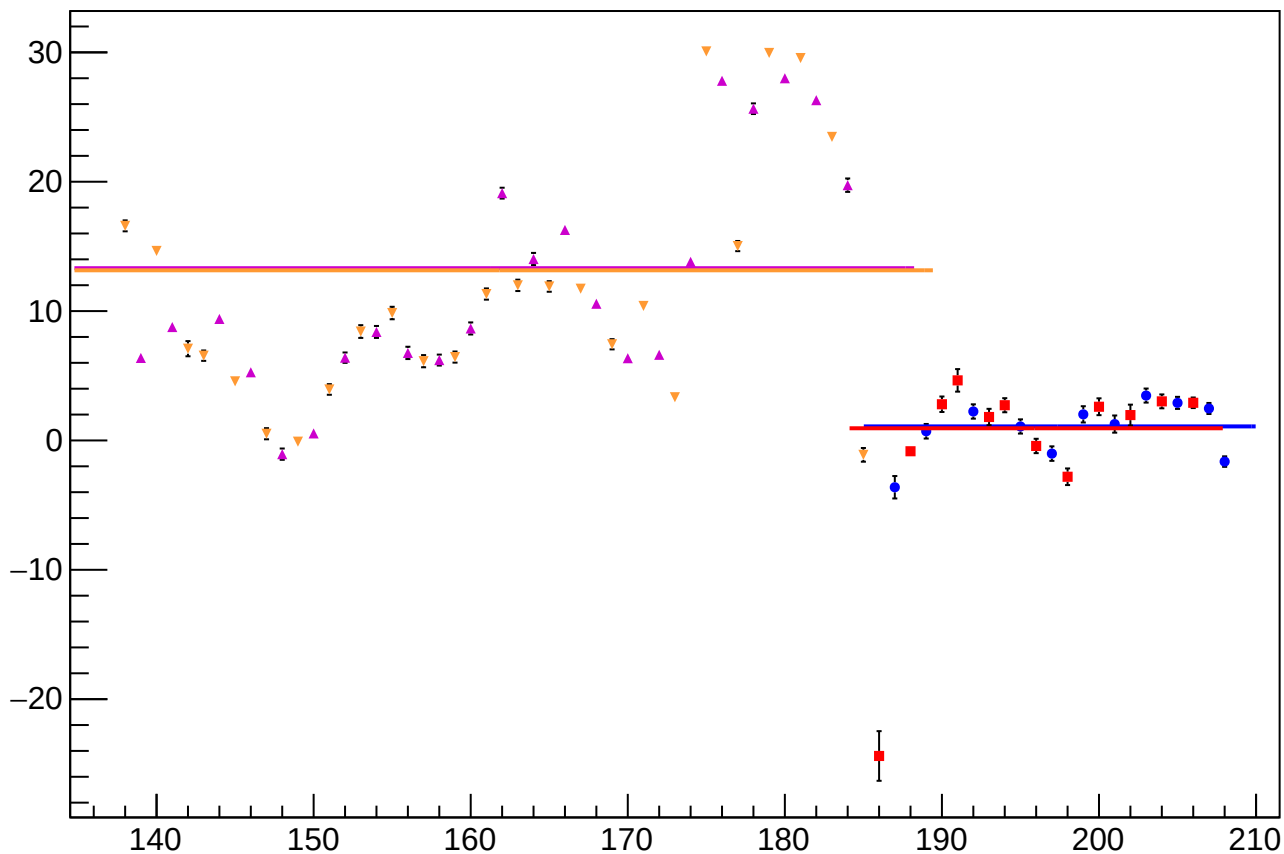
Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2057.9/22$

+ sign 0.182 ± 0.004 $\chi^2/\text{NDF}: 2111.8/35$

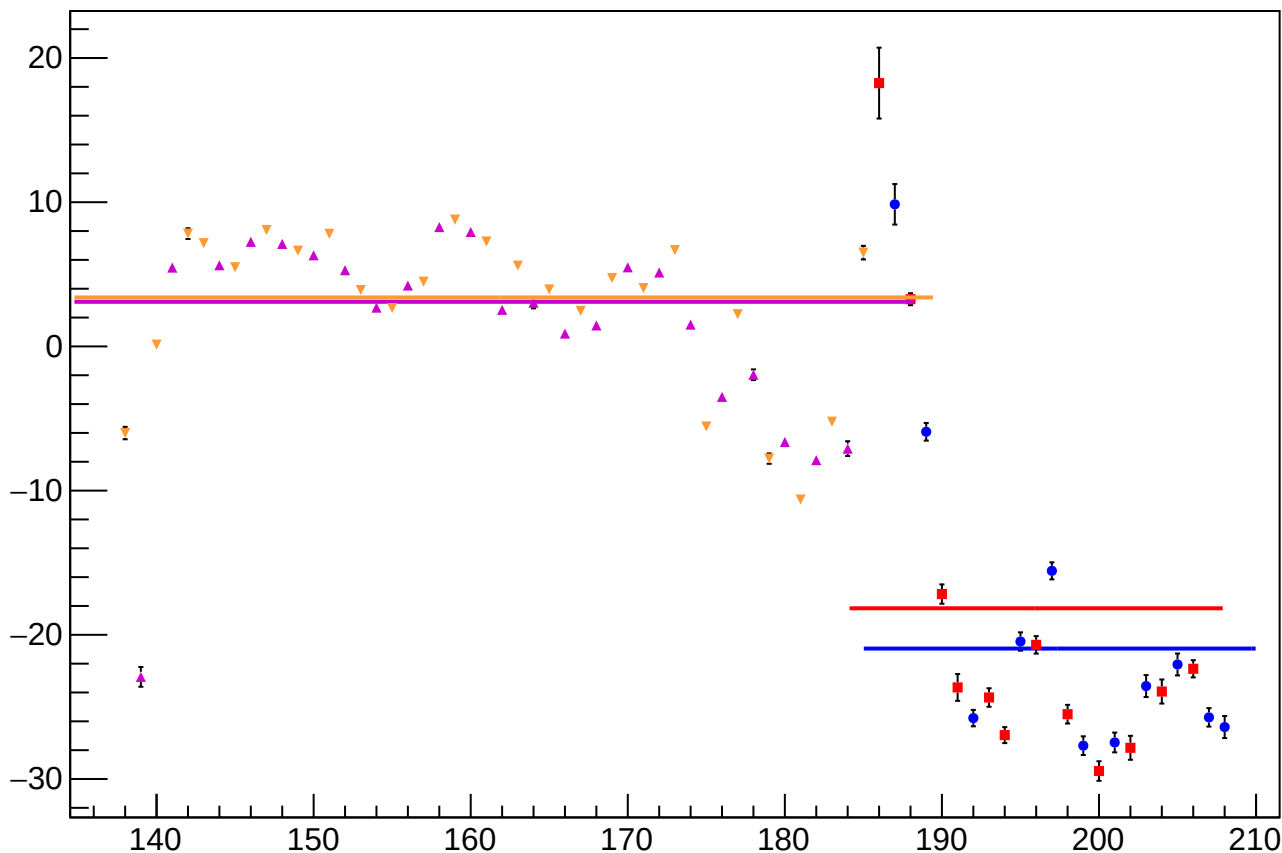
All: 0.177 ± 0.003 $\chi^2/\text{NDF}: 4885.1/70$

- 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



Right In: -20.953 ± 0.205 χ^2/NDF : 1553.8/10

Left Out: 3.396 ± 0.058 χ^2/NDF : 8101.5/24

Right Out: -18.161 ± 0.189 χ^2/NDF : 3932.4/11

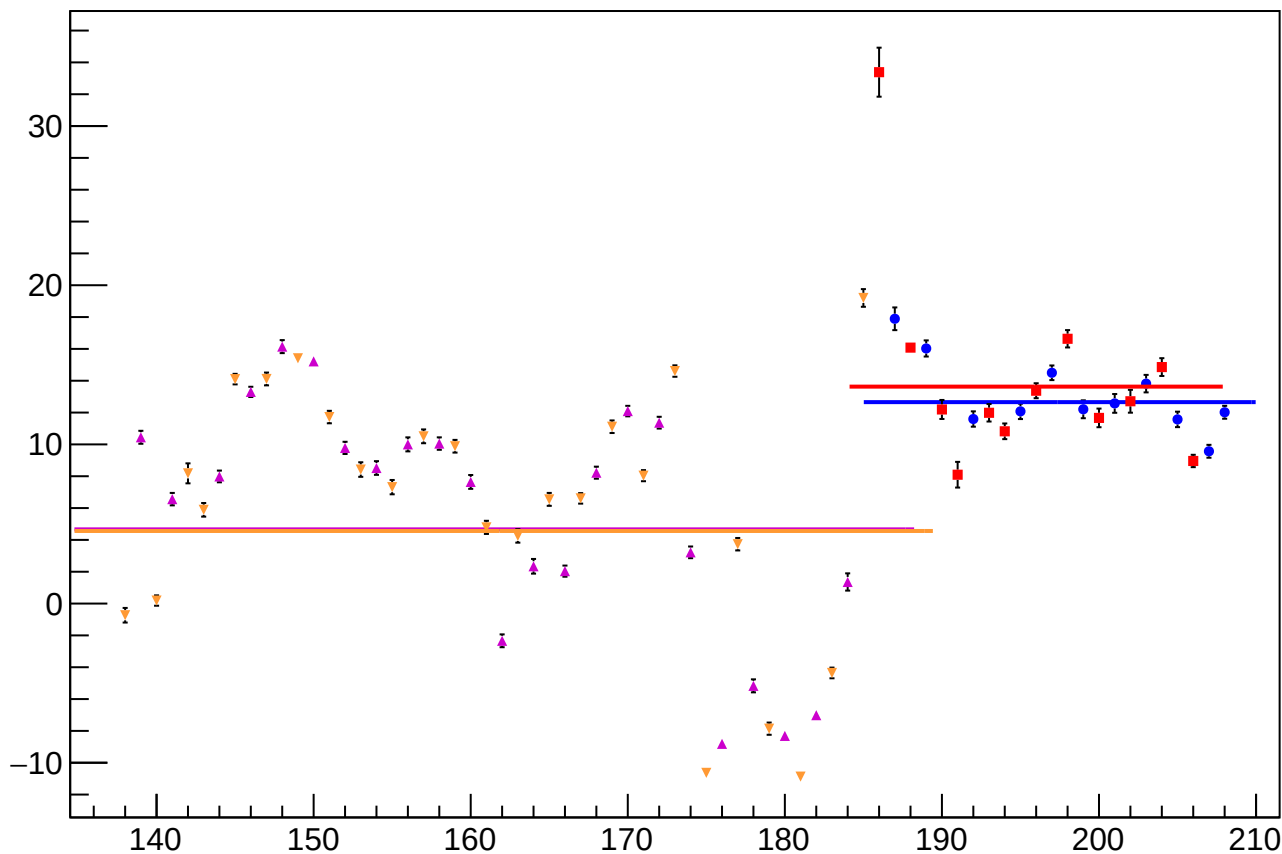
Left In: 3.092 ± 0.061 χ^2/NDF : 7104.4/22

+ sign 1.576 ± 0.056 χ^2/NDF : 22659.8/35

All: 1.350 ± 0.040 χ^2/NDF : 45203.8/70

- sign 1.112 ± 0.058 χ^2/NDF : 22510.8/34

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.655+/-0.149 χ^2/NDF : 191.1/10

Left Out: 4.561+/-0.075 χ^2/NDF : 13592.1/24

Right Out: 13.630+/-0.136 χ^2/NDF : 566.7/11

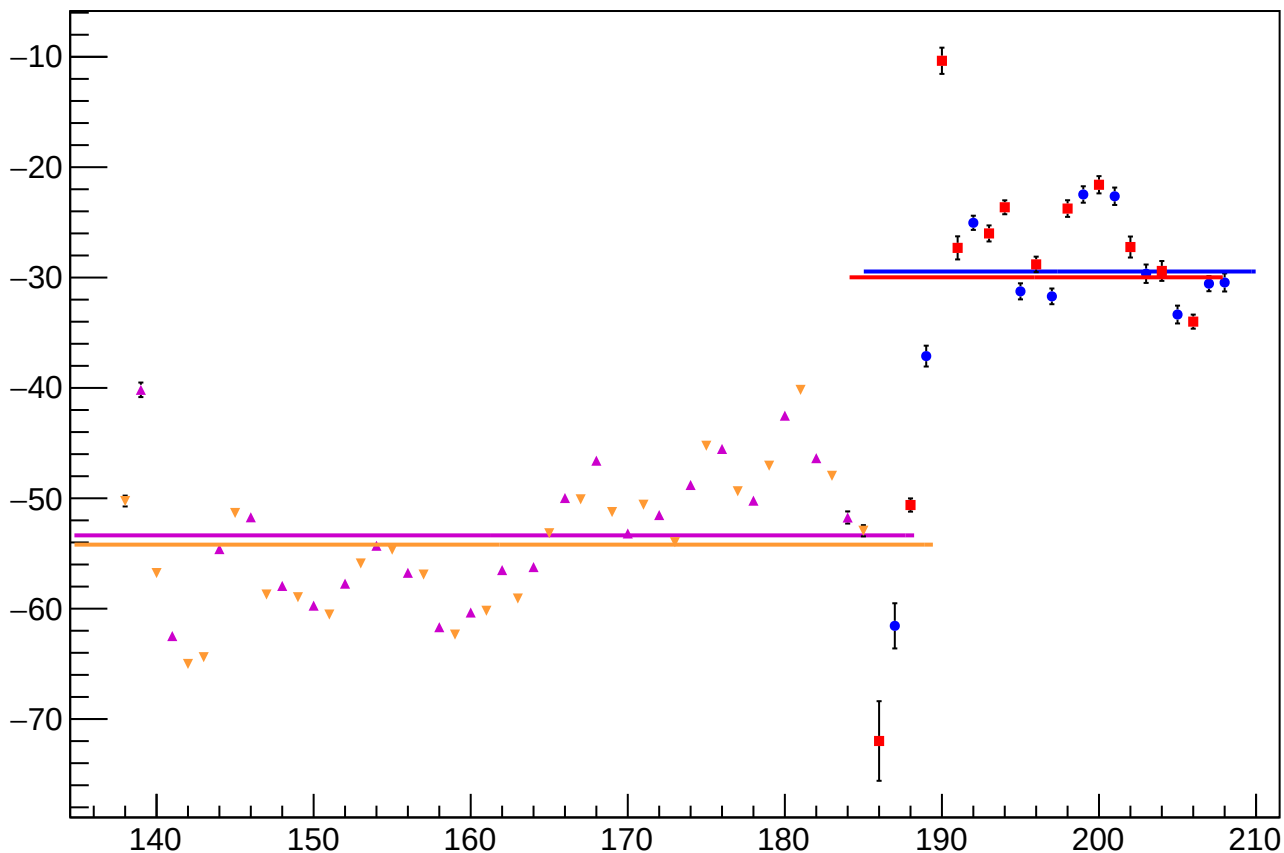
Left In: 4.662+/-0.077 χ^2/NDF : 11281.5/22

+ sign 6.206+/-0.067 χ^2/NDF : 16126.3/35

All: 6.518+/-0.047 χ^2/NDF : 31306.6/70

- sign 6.826+/-0.067 χ^2/NDF : 15137.5/34

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -29.452 ± 0.238 χ^2/NDF : 564.9/10

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -29.978 ± 0.229 χ^2/NDF : 1966.7/11

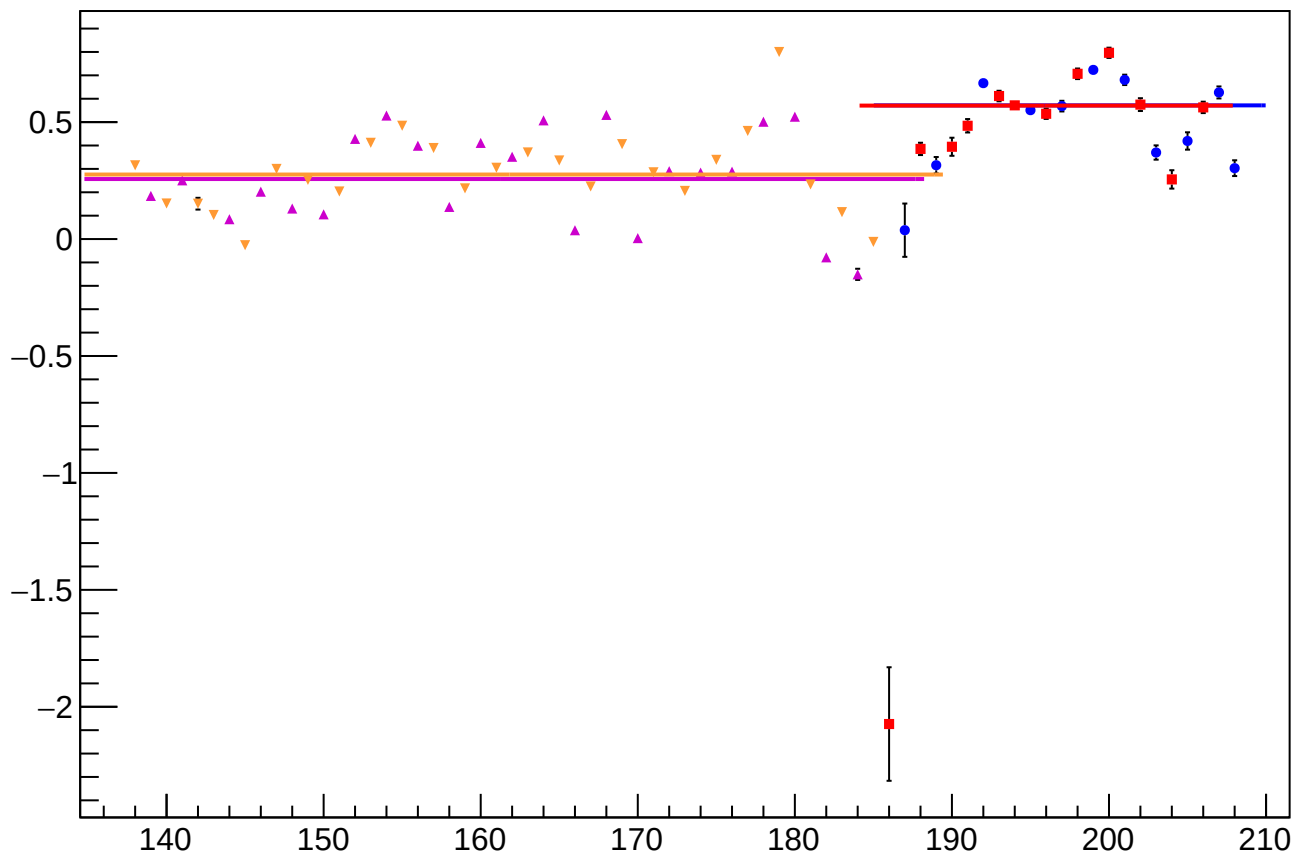
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -52.413 ± 0.064 χ^2/NDF : 19048.0/35

All: -51.937 ± 0.046 χ^2/NDF : 37596.8/70

- sign -51.436 ± 0.066 χ^2/NDF : 18435.1/34

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.572 ± 0.008 χ^2/NDF : 300.0/10

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.571 ± 0.007 χ^2/NDF : 410.5/11

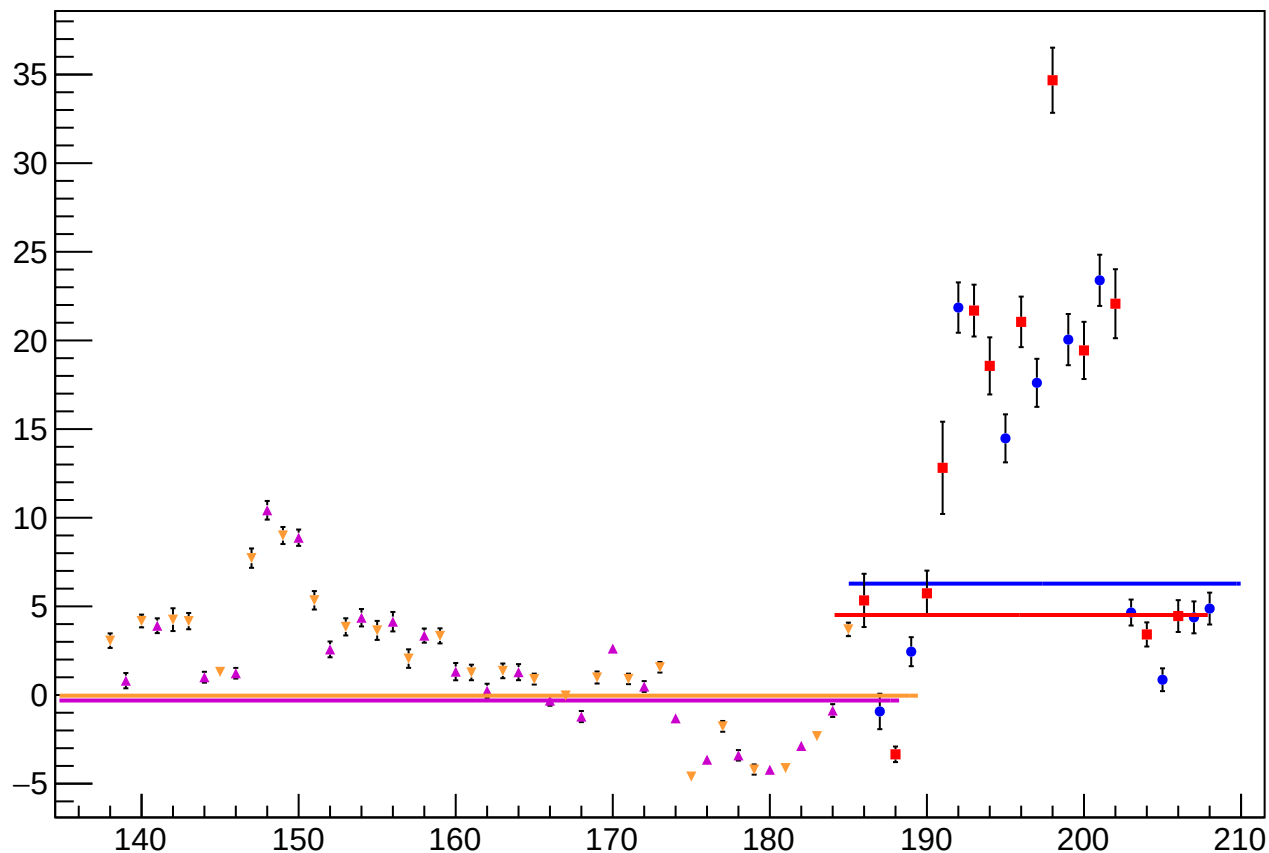
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.314 ± 0.003 χ^2/NDF : 4124.9/35

All: 0.309 ± 0.002 χ^2/NDF : 9682.2/70

- sign 0.303 ± 0.003 χ^2/NDF : 5550.6/34

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 6.282 ± 0.291 χ^2/NDF : 614.7/10

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: 4.514 ± 0.288 χ^2/NDF : 1119.8/11

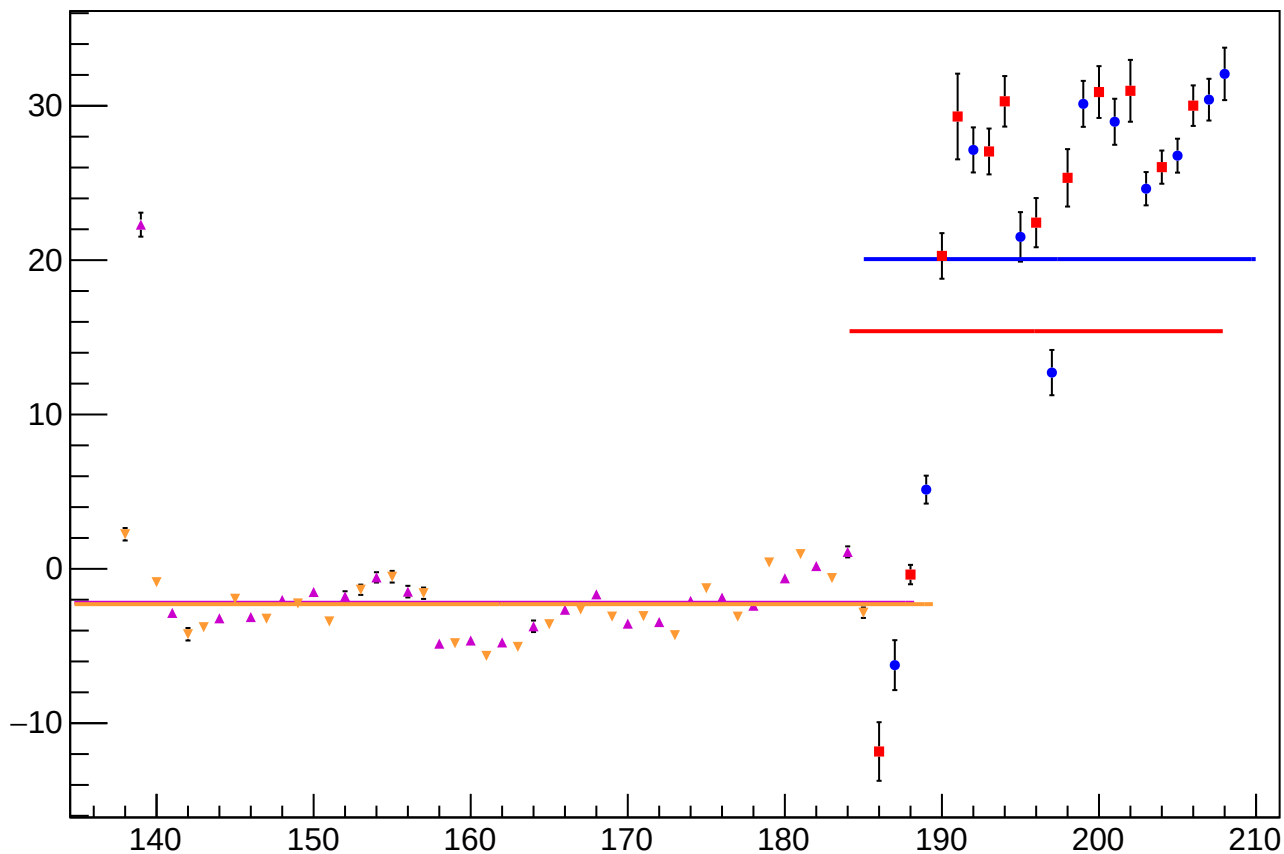
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign 0.272 ± 0.064 χ^2/NDF : 3700.0/35

All: 0.109 ± 0.046 χ^2/NDF : 7349.8/70

- sign -0.060 ± 0.066 χ^2/NDF : 3636.8/34

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 20.067 $\pm$ 0.395 χ^2/NDF : 830.5/10

Left Out: -2.288 $\pm$ 0.054 χ^2/NDF : 1137.7/24

Right Out: 15.397 $\pm$ 0.379 χ^2/NDF : 1432.1/11

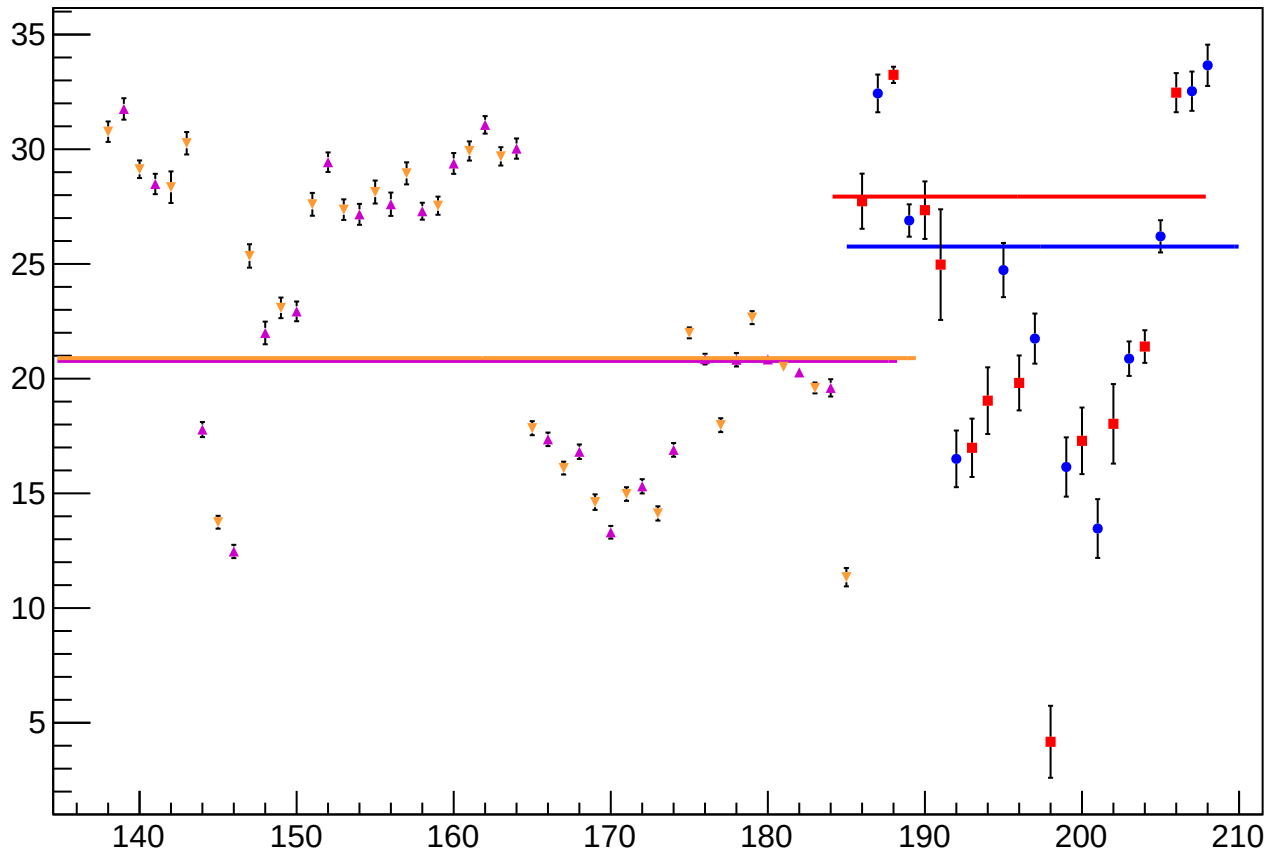
Left In: -2.198 $\pm$ 0.055 χ^2/NDF : 1673.9/22

+ sign -1.876 $\pm$ 0.054 χ^2/NDF : 5111.2/35

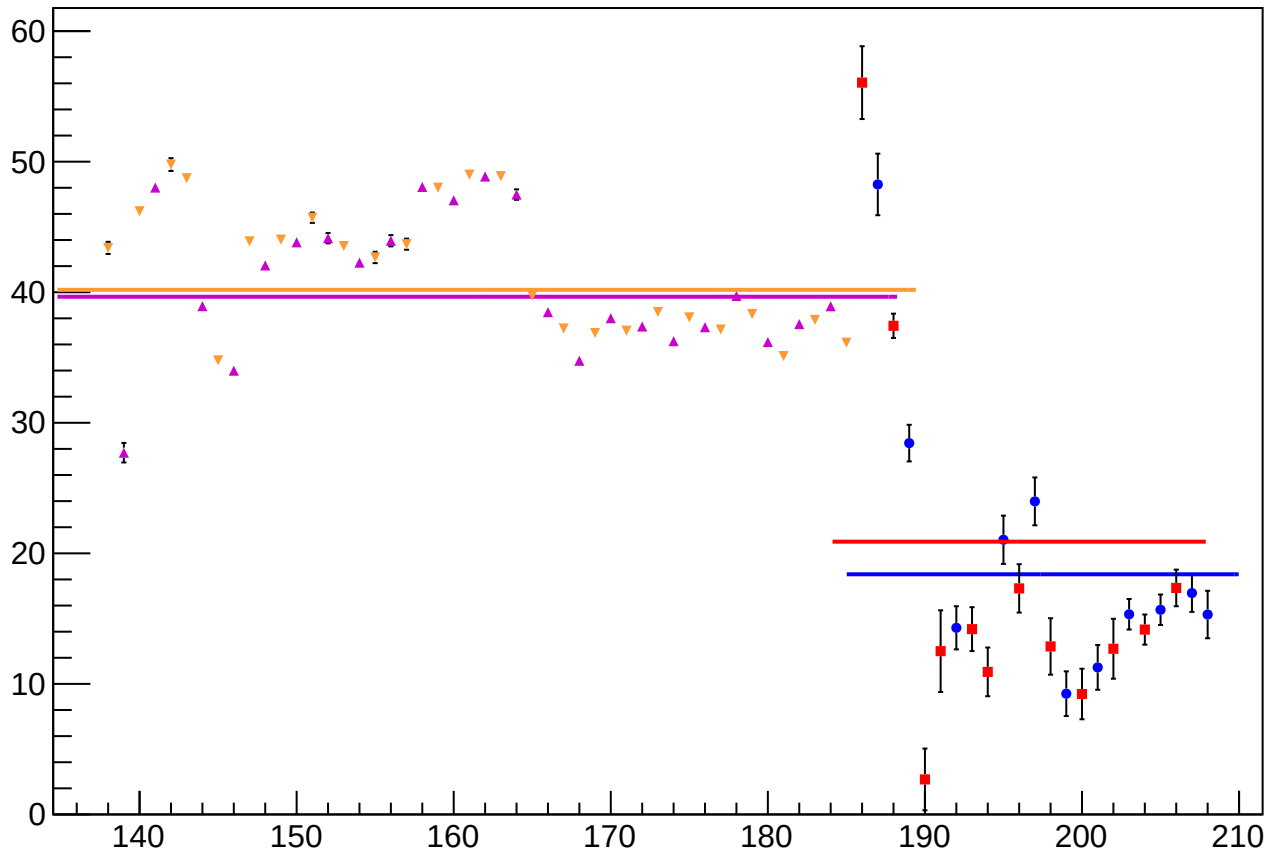
All: -1.855 $\pm$ 0.038 χ^2/NDF : 10327.9/70

- sign -1.834 $\pm$ 0.055 χ^2/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: 18.396 ± 0.468 χ^2/NDF : 291.2/10

Left Out: 40.186 ± 0.060 χ^2/NDF : 5932.7/24

Right Out: 20.895 ± 0.475 χ^2/NDF : 693.0/11

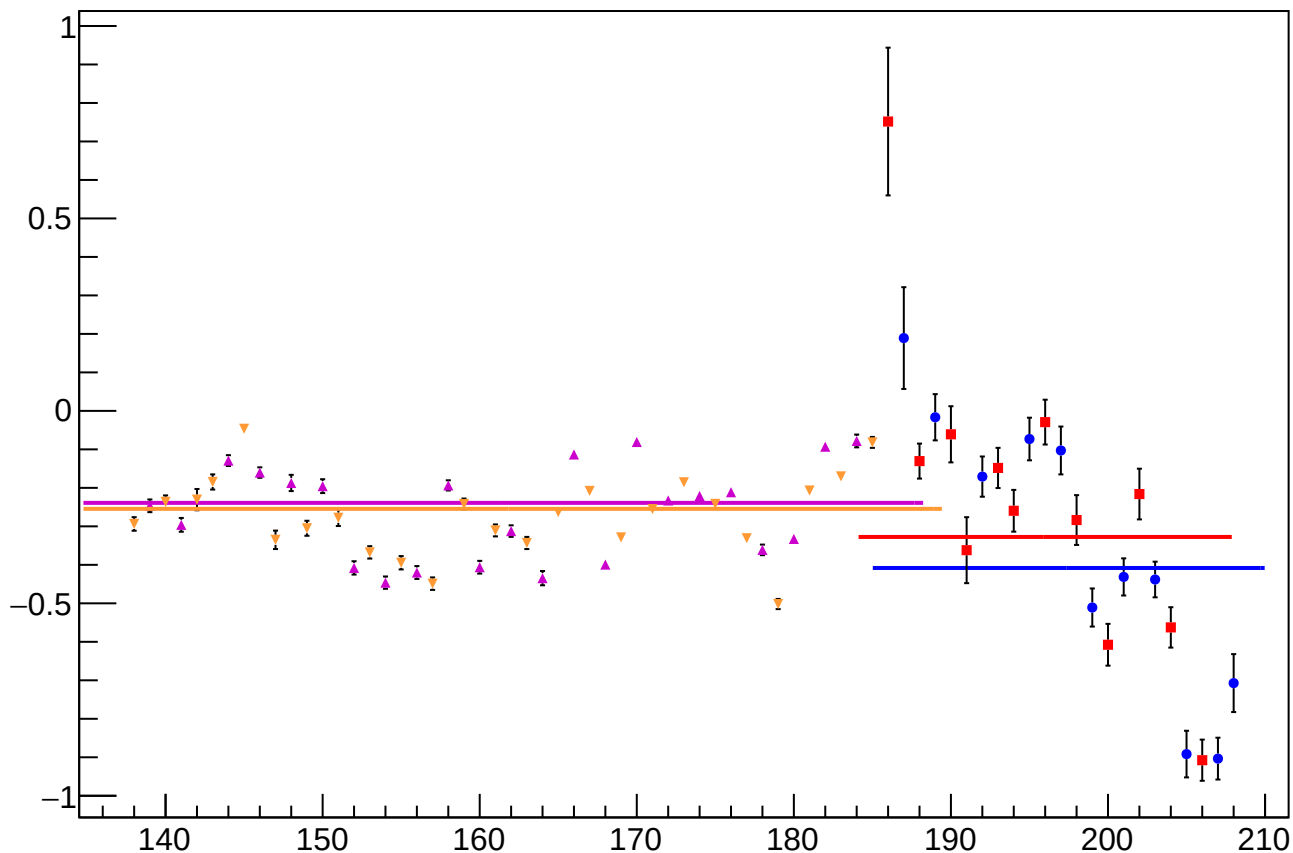
Left In: 39.655 ± 0.061 χ^2/NDF : 5298.6/22

+ sign 39.828 ± 0.060 χ^2/NDF : 8360.3/35

All: 39.592 ± 0.043 χ^2/NDF : 15916.0/70

- sign 39.347 ± 0.061 χ^2/NDF : 7523.9/34

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.408 ± 0.017 χ^2/NDF : 311.9/10

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.328 ± 0.017 χ^2/NDF : 271.1/11

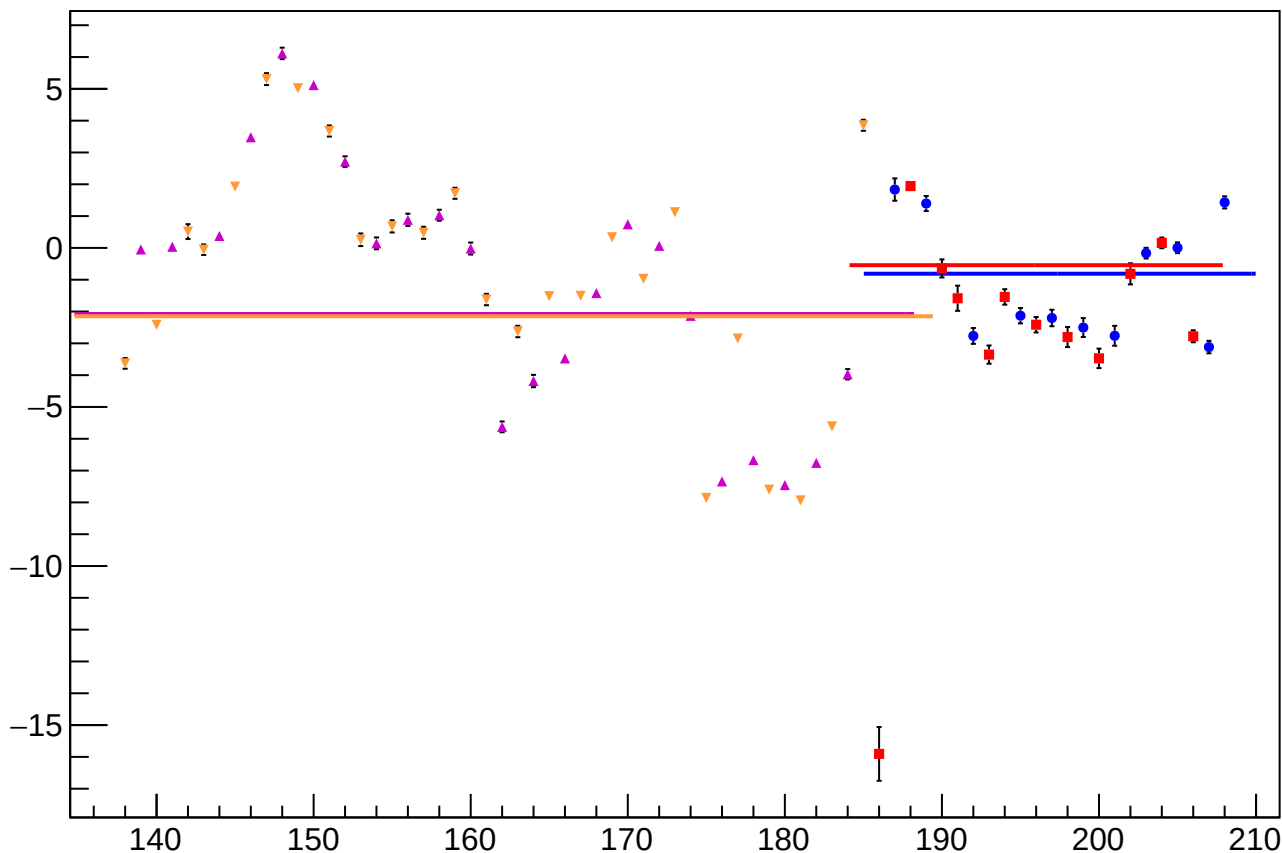
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.258 ± 0.003 χ^2/NDF : 1810.0/35

All: -0.250 ± 0.002 χ^2/NDF : 3876.9/70

- sign -0.241 ± 0.003 χ^2/NDF : 2047.3/34

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.811 ± 0.068 χ^2/NDF : 650.2/10

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.543 ± 0.064 χ^2/NDF : 1326.0/11

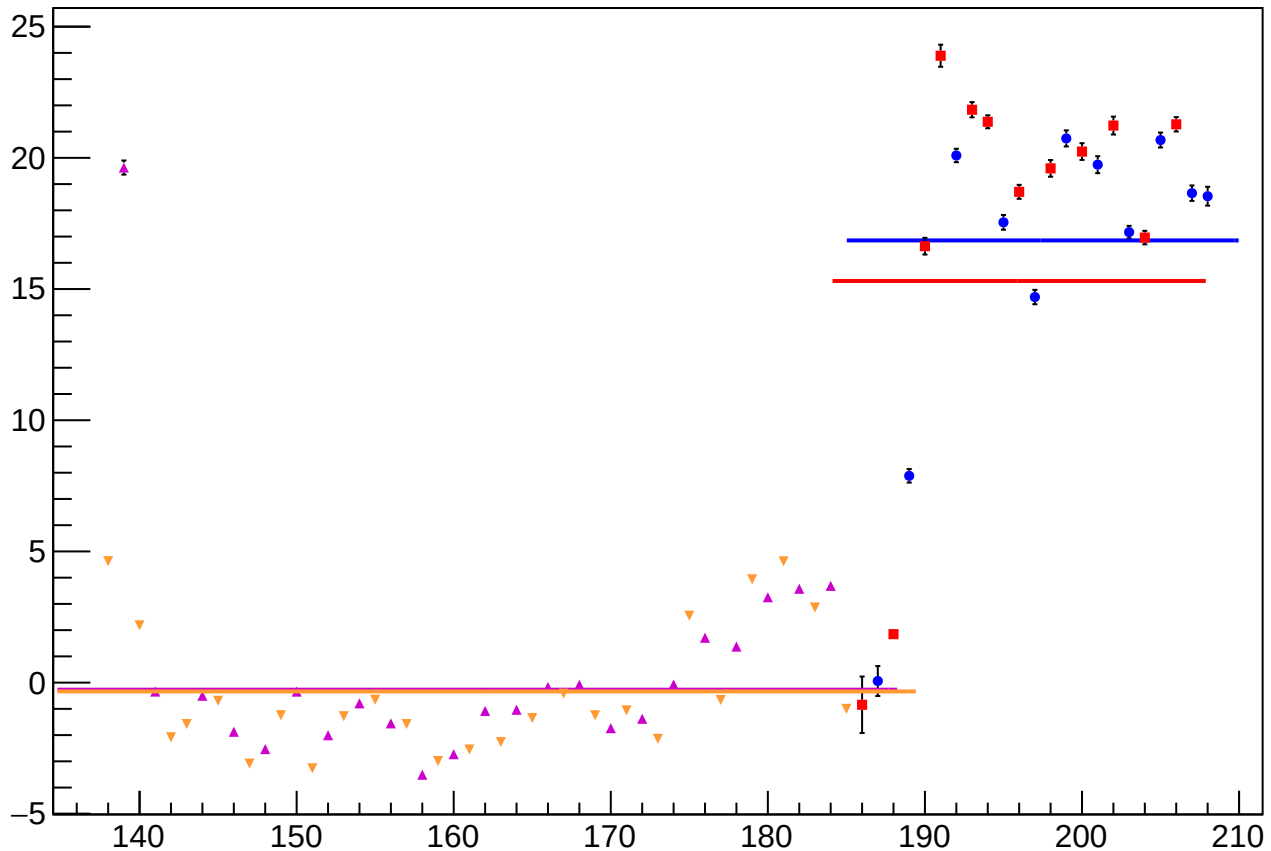
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -1.980 ± 0.024 χ^2/NDF : 25529.4/35

All: -1.921 ± 0.017 χ^2/NDF : 50604.9/70

- sign -1.860 ± 0.024 χ^2/NDF : 25063.1/34

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 16.853 ± 0.088 $\chi^2/\text{NDF}: 2774.7/10$

Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$

Right Out: 15.308 ± 0.081 $\chi^2/\text{NDF}: 10111.8/11$

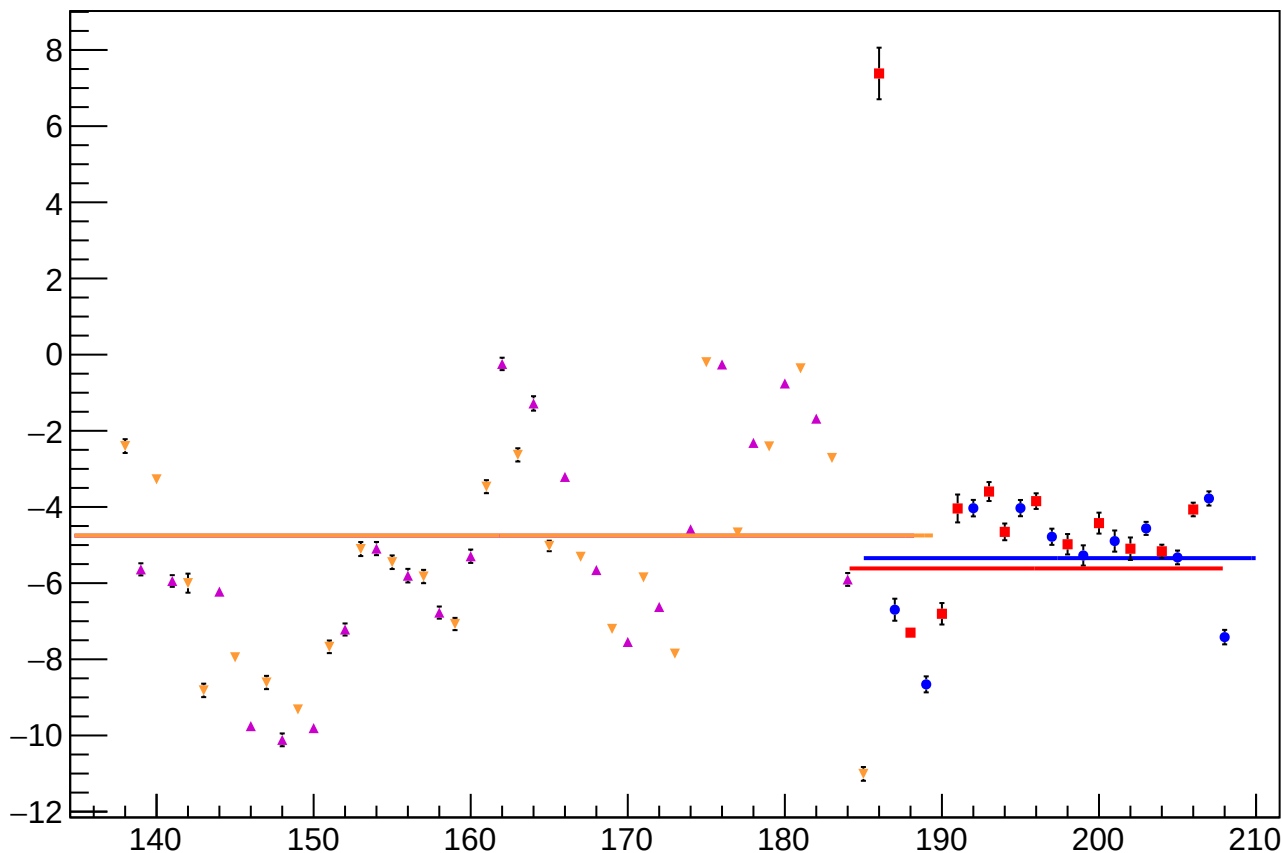
Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign 0.553 ± 0.020 $\chi^2/\text{NDF}: 51406.4/35$

All: 0.632 ± 0.014 $\chi^2/\text{NDF}: 109760.9/70$

- 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: -5.344 ± 0.064 χ^2/NDF : 565.0/10

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -5.614 ± 0.057 χ^2/NDF : 1032.1/11

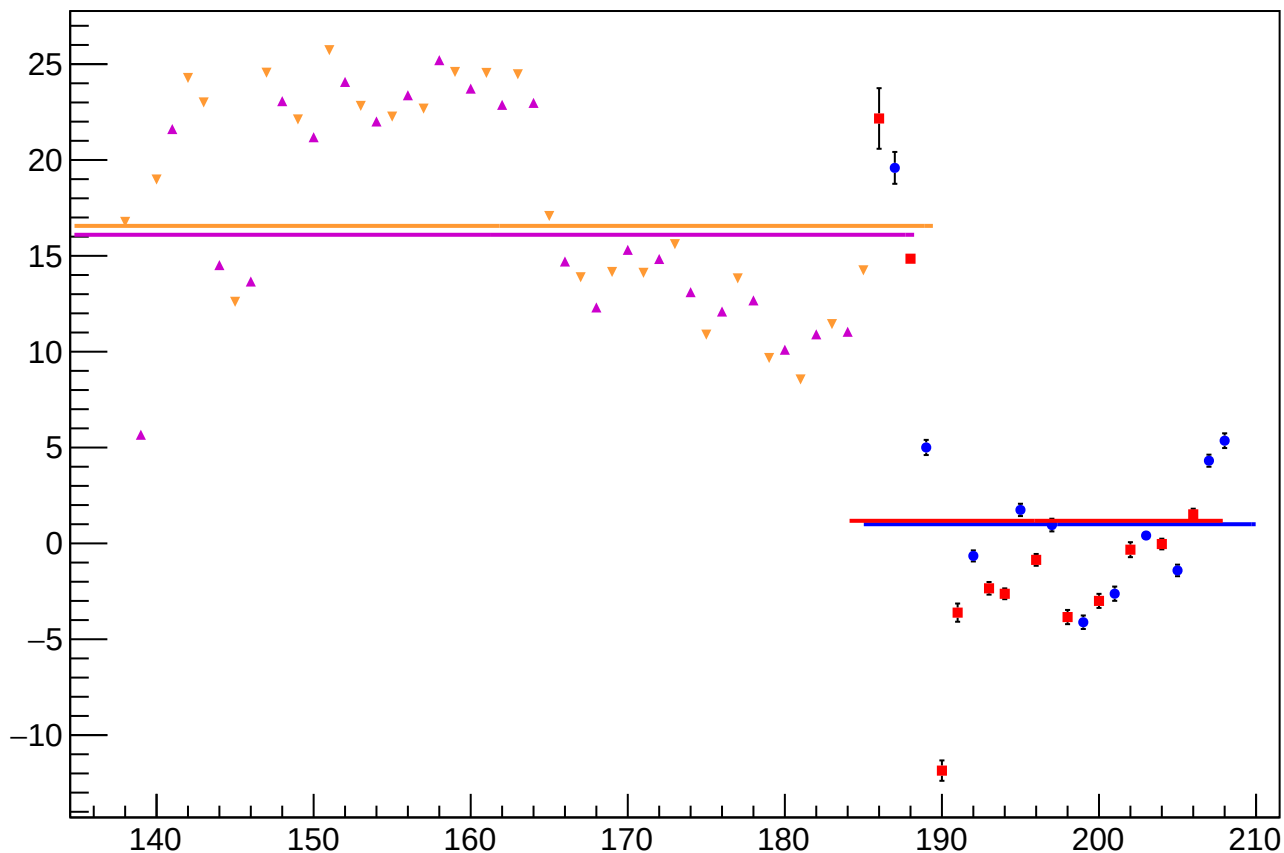
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.833 ± 0.024 χ^2/NDF : 13930.2/35

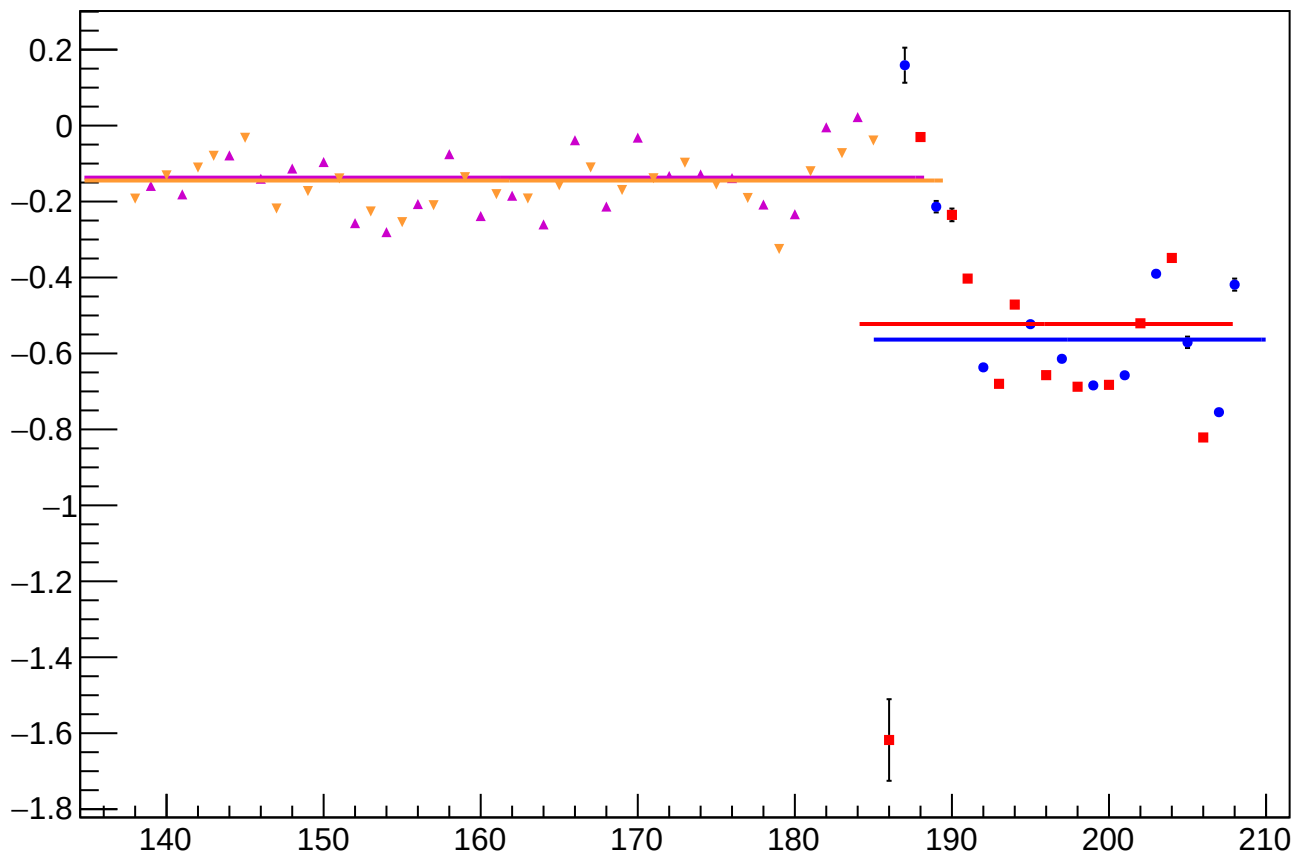
All: -4.869 ± 0.017 χ^2/NDF : 29276.8/70

- sign -4.905 ± 0.024 χ^2/NDF : 15342.0/34

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.564 ± 0.003 χ^2/NDF : 1773.4/10

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.522 ± 0.003 χ^2/NDF : 4572.4/11

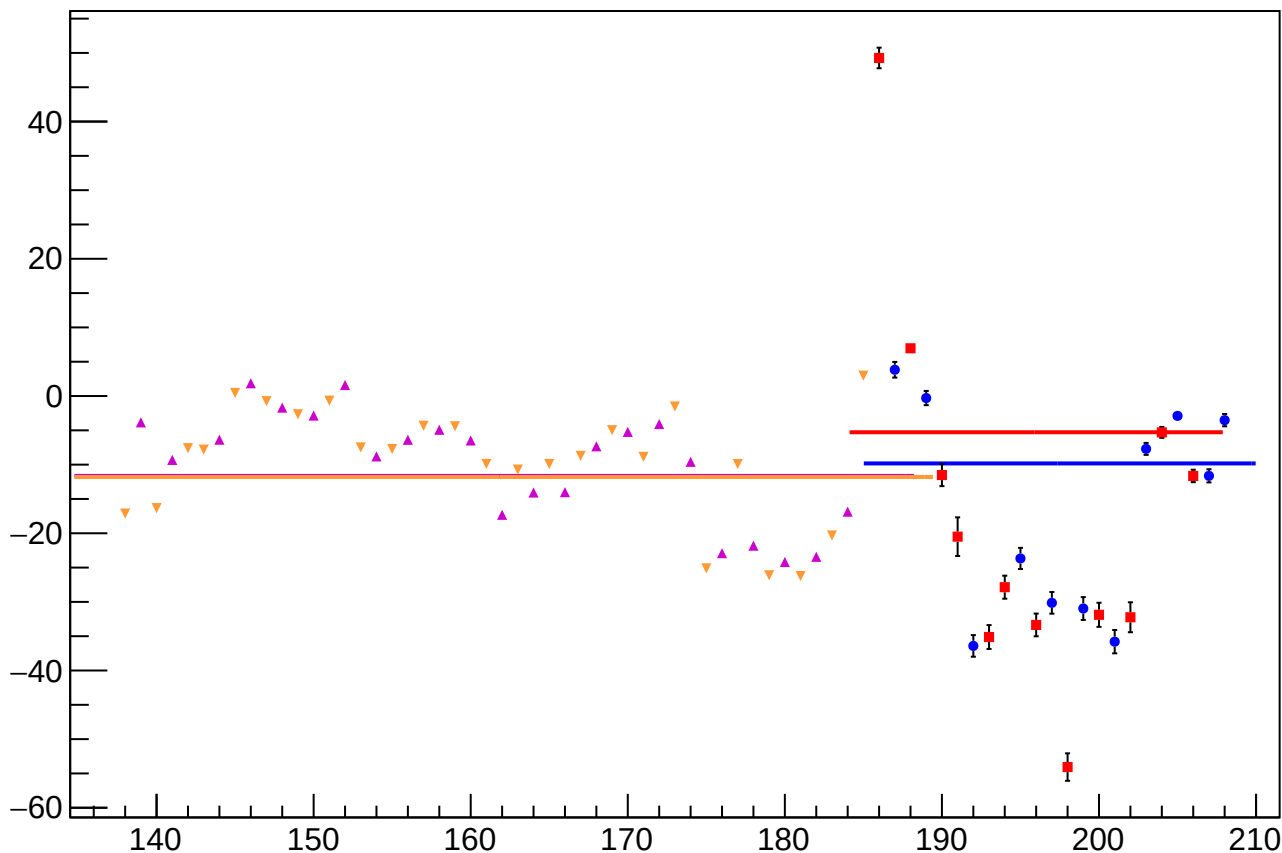
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.180 ± 0.001 χ^2/NDF : 18690.6/35

All: -0.177 ± 0.001 χ^2/NDF : 41303.6/70

- sign -0.175 ± 0.001 χ^2/NDF : 22601.7/34

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -9.821 ± 0.330 χ^2/NDF : 1304.6/10

Left Out: -11.801 ± 0.070 χ^2/NDF : 17308.2/24

Right Out: -5.278 ± 0.332 χ^2/NDF : 3675.3/11

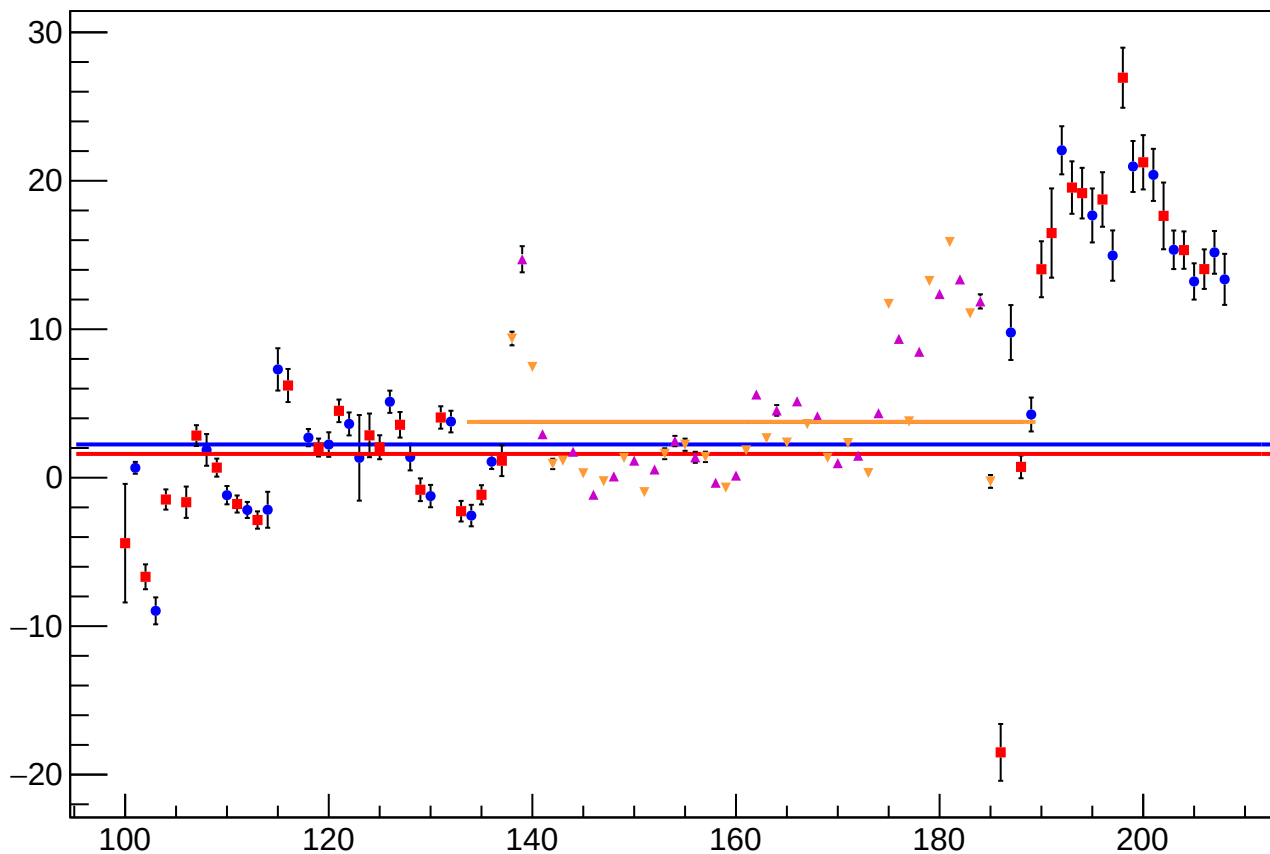
Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.715 ± 0.069 χ^2/NDF : 18647.3/35

All: -11.540 ± 0.049 χ^2/NDF : 36808.2/70

- sign -11.359 ± 0.070 χ^2/NDF : 18147.7/34

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.239 $\pm$ 0.160 χ^2/NDF : 1214.6/27

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

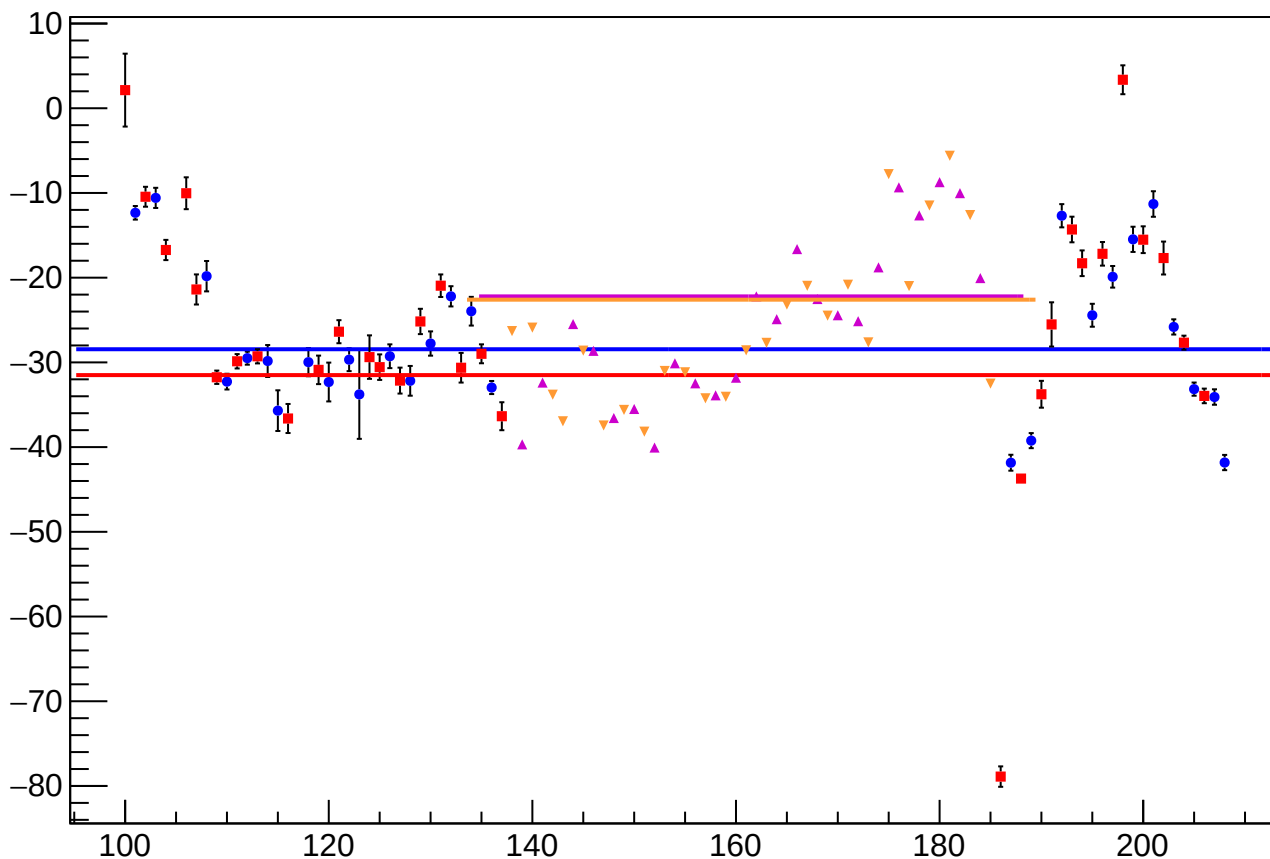
Left In: 3.757 $\pm$ 0.057 χ^2/NDF : 5629.4/22

+ sign 3.593 $\pm$ 0.052 χ^2/NDF : 8745.9/52

All: 3.559 $\pm$ 0.037 χ^2/NDF : 15874.2/106

- sign 3.523 $\pm$ 0.053 χ^2/NDF : 7127.5/53

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -28.448 ± 0.216 $\chi^2/\text{NDF}: 1805.0/27$

Left Out: -22.598 ± 0.071 $\chi^2/\text{NDF}: 19933.4/24$

Right Out: -31.500 ± 0.208 $\chi^2/\text{NDF}: 4086.3/30$

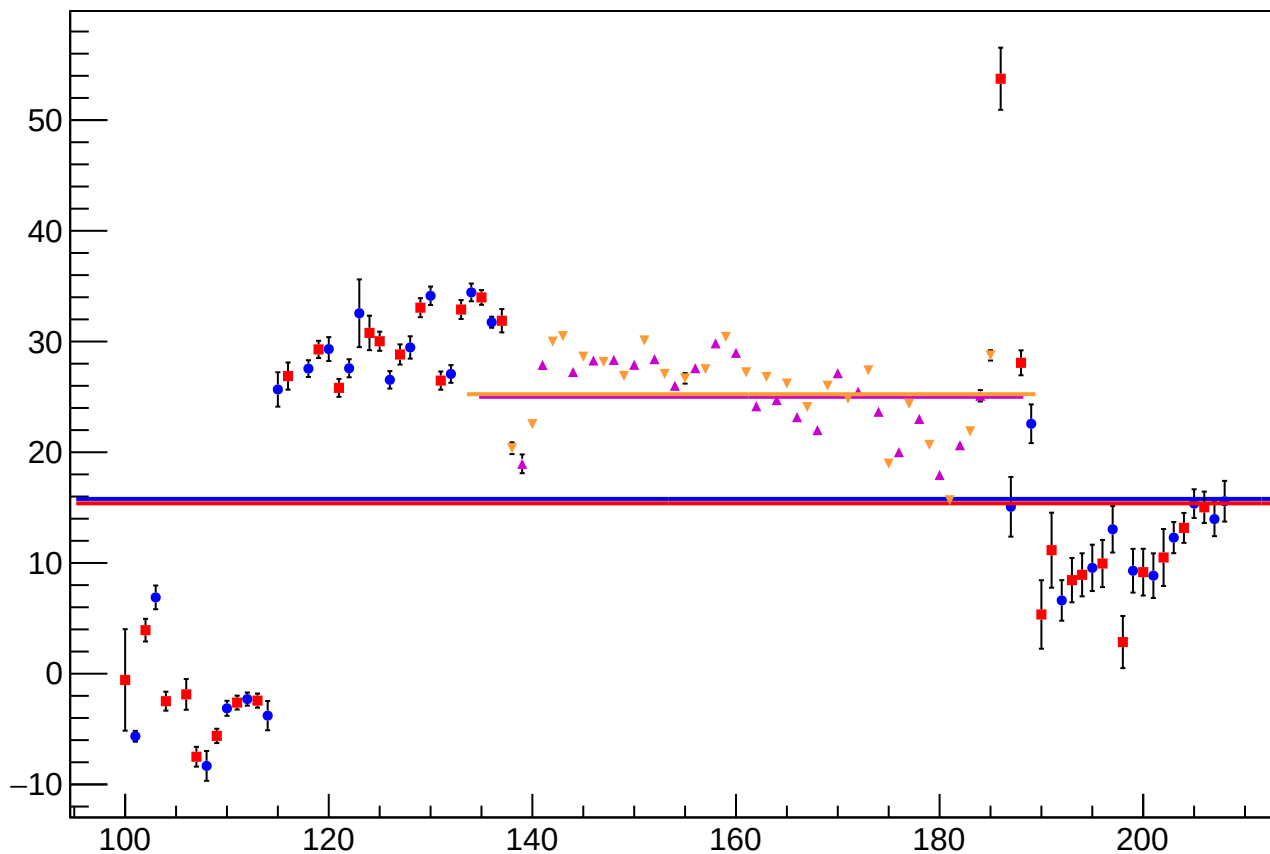
Left In: -22.209 ± 0.072 $\chi^2/\text{NDF}: 17627.4/22$

+ sign -23.162 ± 0.067 $\chi^2/\text{NDF}: 22398.8/52$

All: -23.176 ± 0.048 $\chi^2/\text{NDF}: 45889.7/106$

- sign -23.189 ± 0.068 $\chi^2/\text{NDF}: 23490.8/53$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.786 $\pm$ 0.181 χ^2 /NDF: 7626.1/27

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.387 $\pm$ 0.185 χ^2 /NDF: 7660.8/30

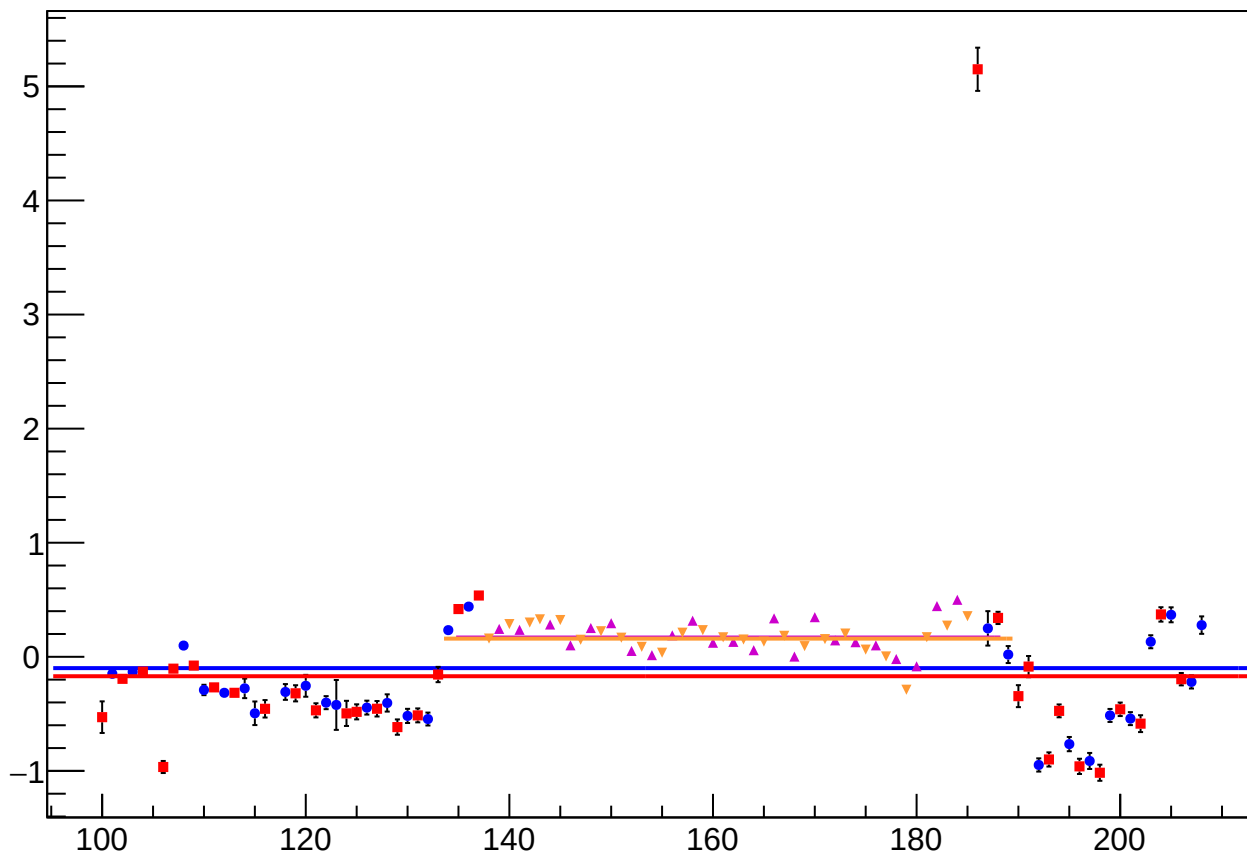
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.230 $\pm$ 0.059 χ^2 /NDF: 13851.7/52

All: 24.112 $\pm$ 0.042 χ^2 /NDF: 26652.3/106

- sign 23.988 $\pm$ 0.060 χ^2 /NDF: 12792.4/53

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.099 ± 0.009 χ^2/NDF : 1729.9/27

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.170 ± 0.009 χ^2/NDF : 2636.6/30

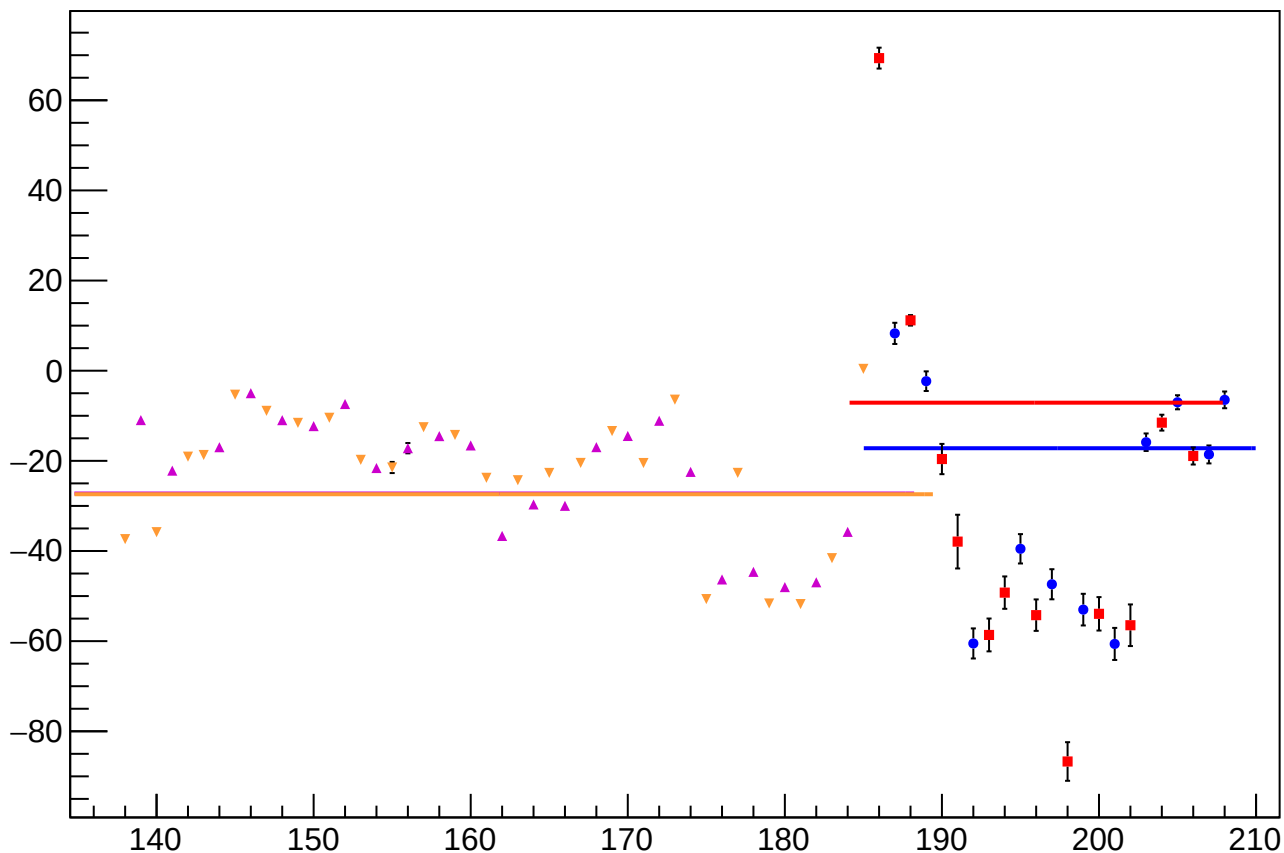
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.136 ± 0.003 χ^2/NDF : 4322.0/52

All: 0.137 ± 0.002 χ^2/NDF : 10623.7/106

- sign 0.138 ± 0.003 χ^2/NDF : 6301.5/53

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -17.199 ± 0.700 χ^2/NDF : 791.3/10

Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24

Right Out: -7.094 ± 0.697 χ^2/NDF : 2561.2/11

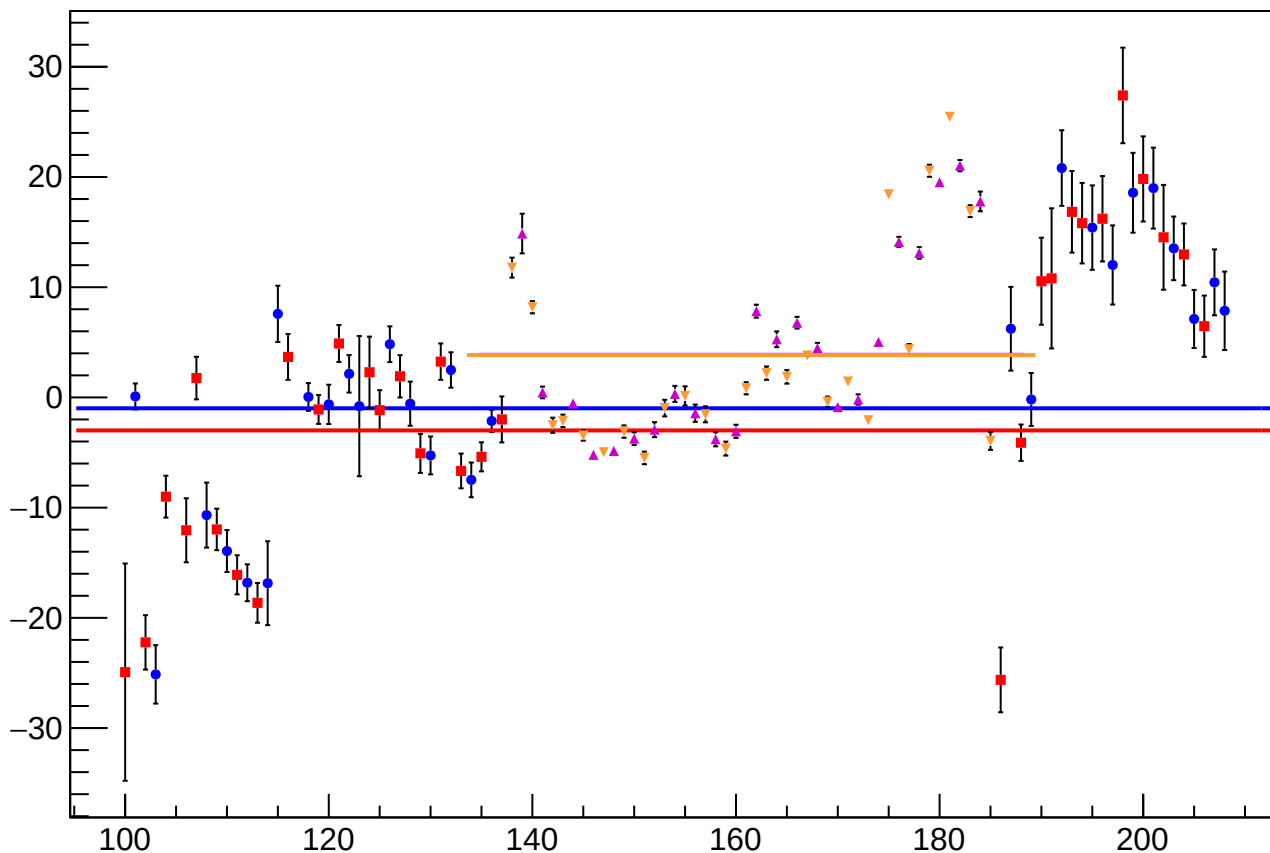
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -27.032 ± 0.134 χ^2/NDF : 15846.8/35

All: -26.755 ± 0.096 χ^2/NDF : 30524.4/70

- sign -26.469 ± 0.137 χ^2/NDF : 14669.0/34

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -0.987 ± 0.378 $\chi^2/\text{NDF}: 495.1/27$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -2.993 ± 0.387 $\chi^2/\text{NDF}: 610.8/30$

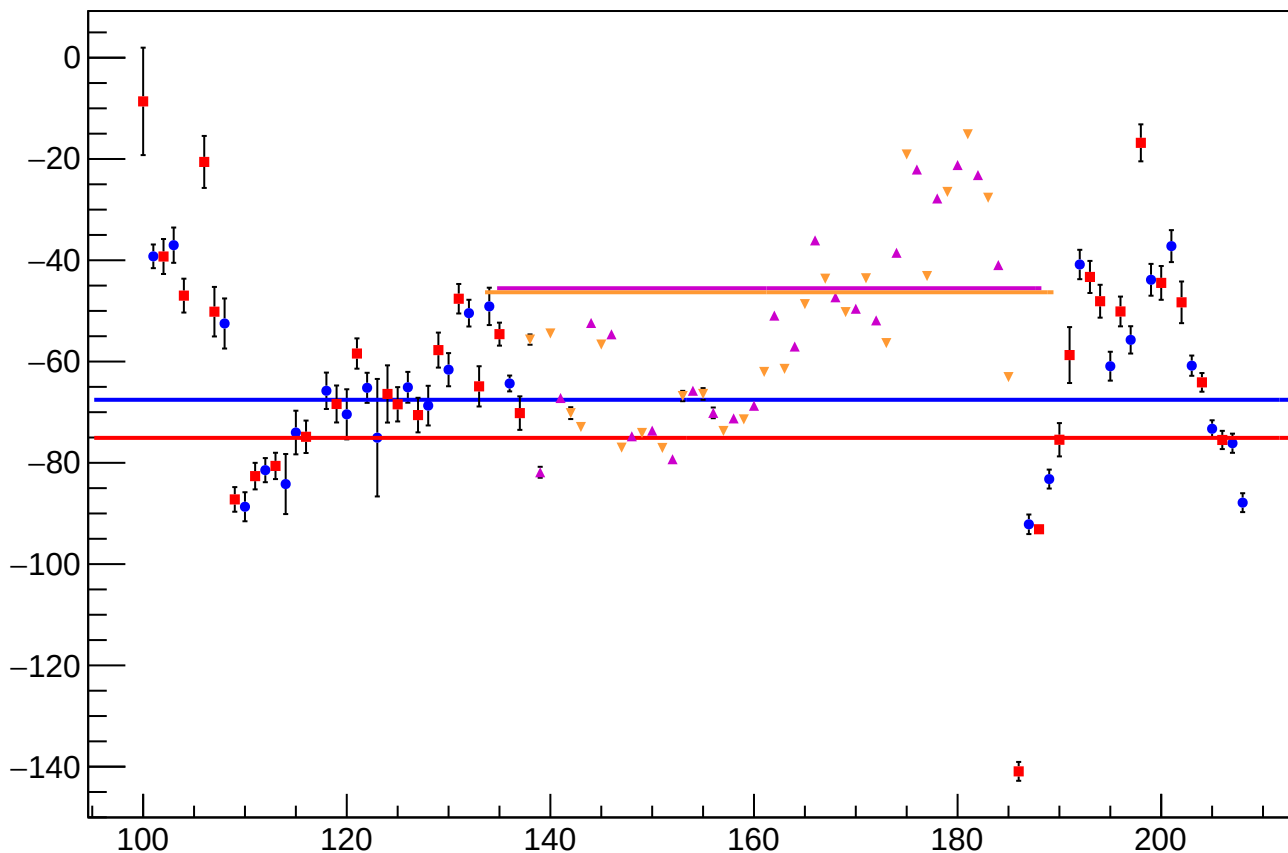
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.470 ± 0.105 $\chi^2/\text{NDF}: 7584.5/52$

All: 3.407 ± 0.075 $\chi^2/\text{NDF}: 13910.7/106$

- sign 3.342 ± 0.107 $\chi^2/\text{NDF}: 6325.4/53$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -67.552 ± 0.492 χ^2/NDF : 1061.4/27

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -75.073 ± 0.474 χ^2/NDF : 2928.4/30

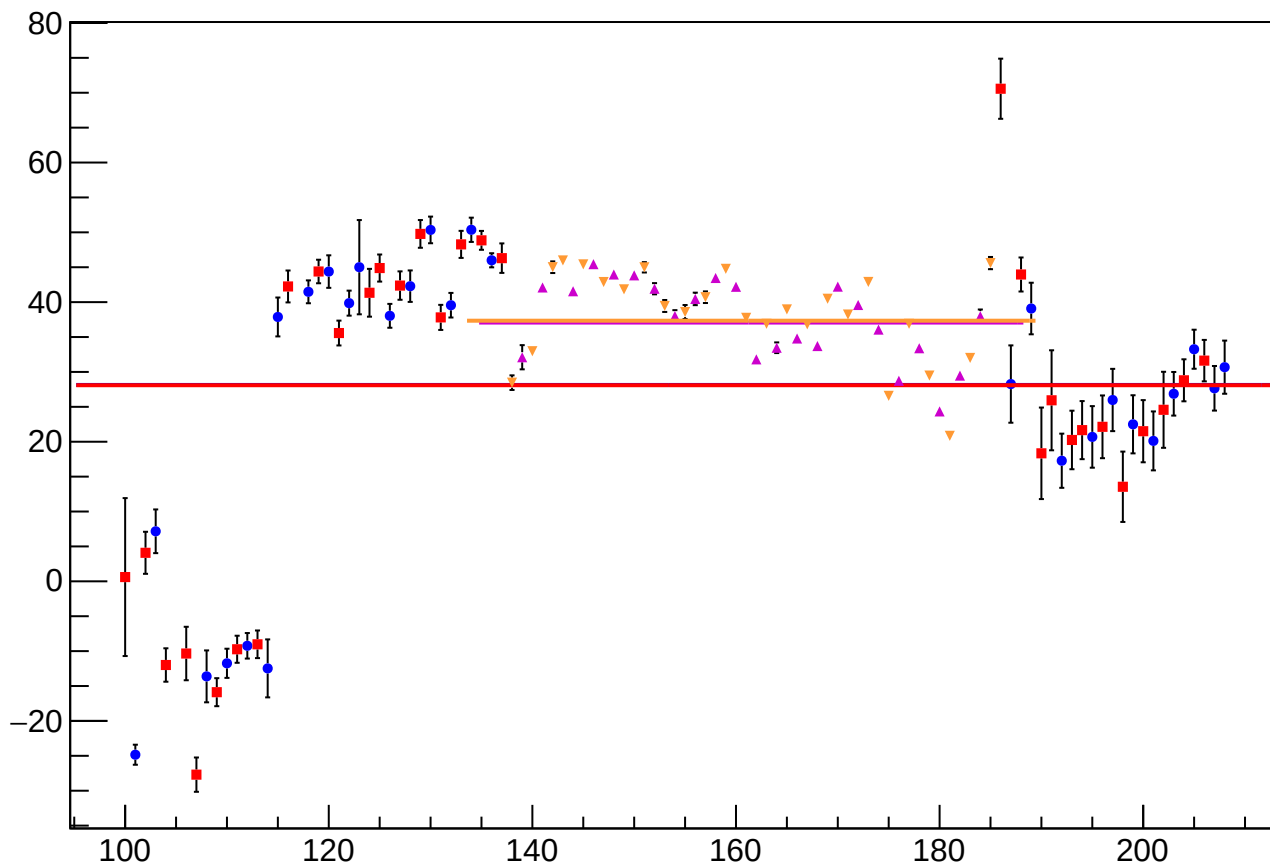
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -47.863 ± 0.133 χ^2/NDF : 22920.4/52

All: -47.875 ± 0.094 χ^2/NDF : 46952.4/106

- sign -47.886 ± 0.134 χ^2/NDF : 24031.9/53

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.135 $\pm$ 0.427 χ^2 /NDF: 3340.0/27

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.097 $\pm$ 0.442 χ^2 /NDF: 3195.5/30

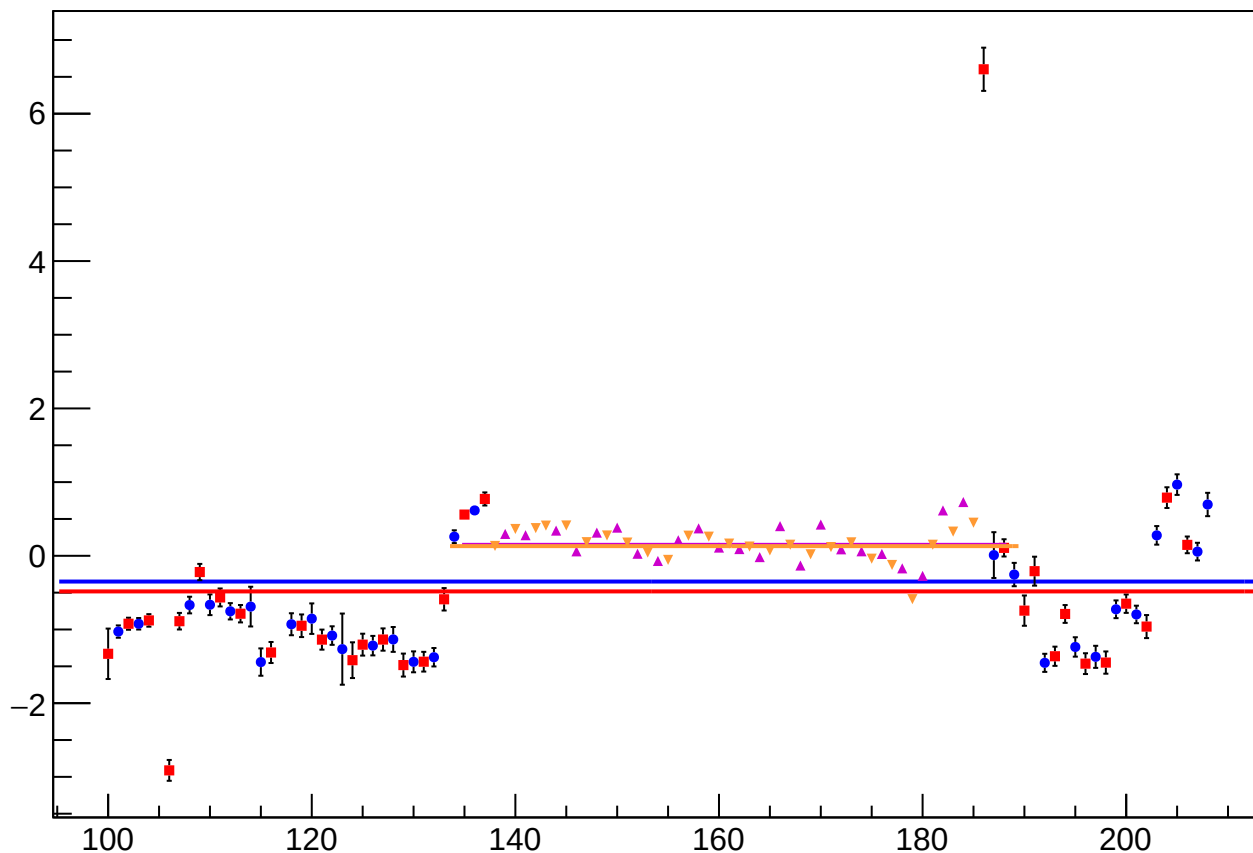
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.635 $\pm$ 0.118 χ^2 /NDF: 6918.9/52

All: 36.523 $\pm$ 0.084 χ^2 /NDF: 12895.9/106

- sign 36.407 $\pm$ 0.120 χ^2 /NDF: 5975.1/53

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.349 ± 0.021 χ^2/NDF : 1378.0/27

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.483 ± 0.022 χ^2/NDF : 2039.0/30

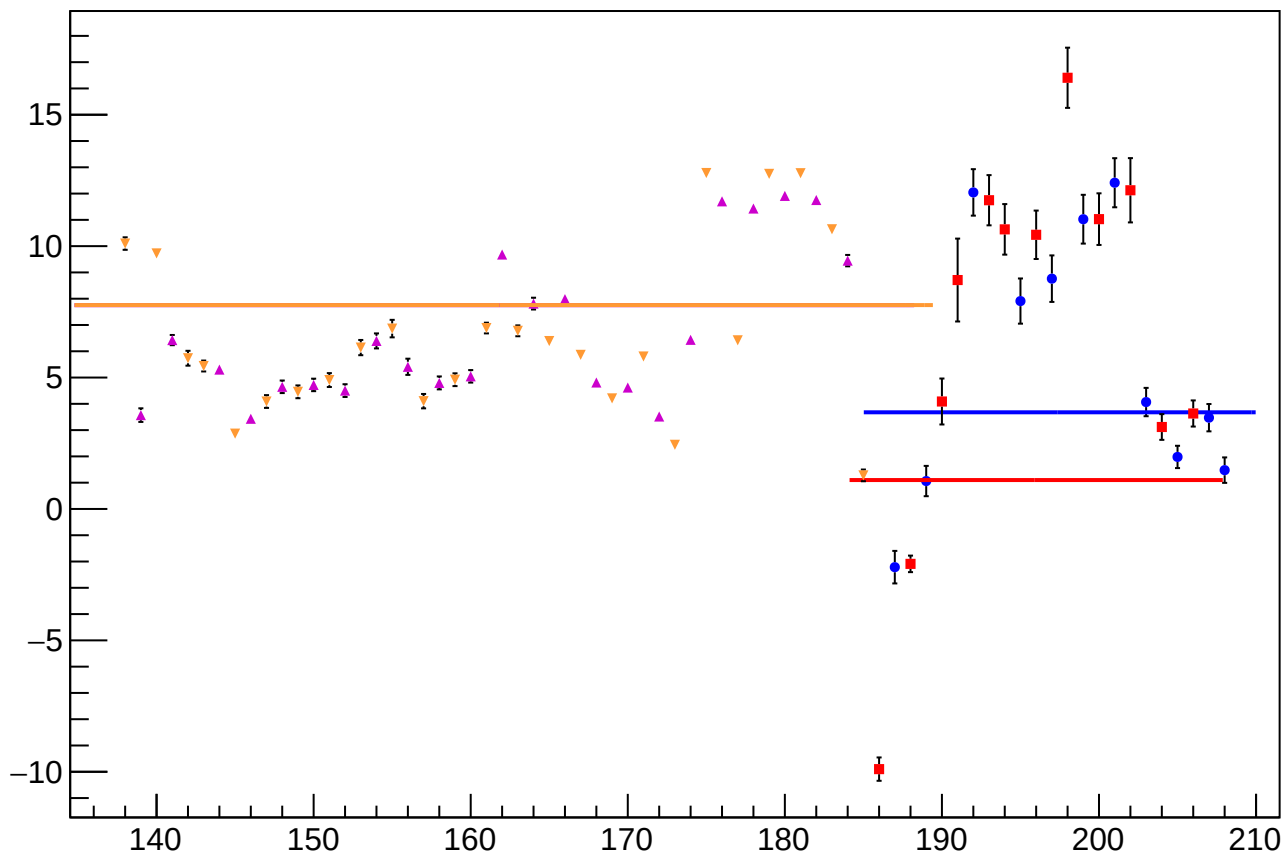
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.100 ± 0.005 χ^2/NDF : 3276.4/52

All: 0.104 ± 0.004 χ^2/NDF : 7902.5/106

- sign 0.108 ± 0.006 χ^2/NDF : 4625.0/53

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 3.678 ± 0.186 $\chi^2/\text{NDF}: 445.5/10$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: 1.100 ± 0.180 $\chi^2/\text{NDF}: 1480.9/11$

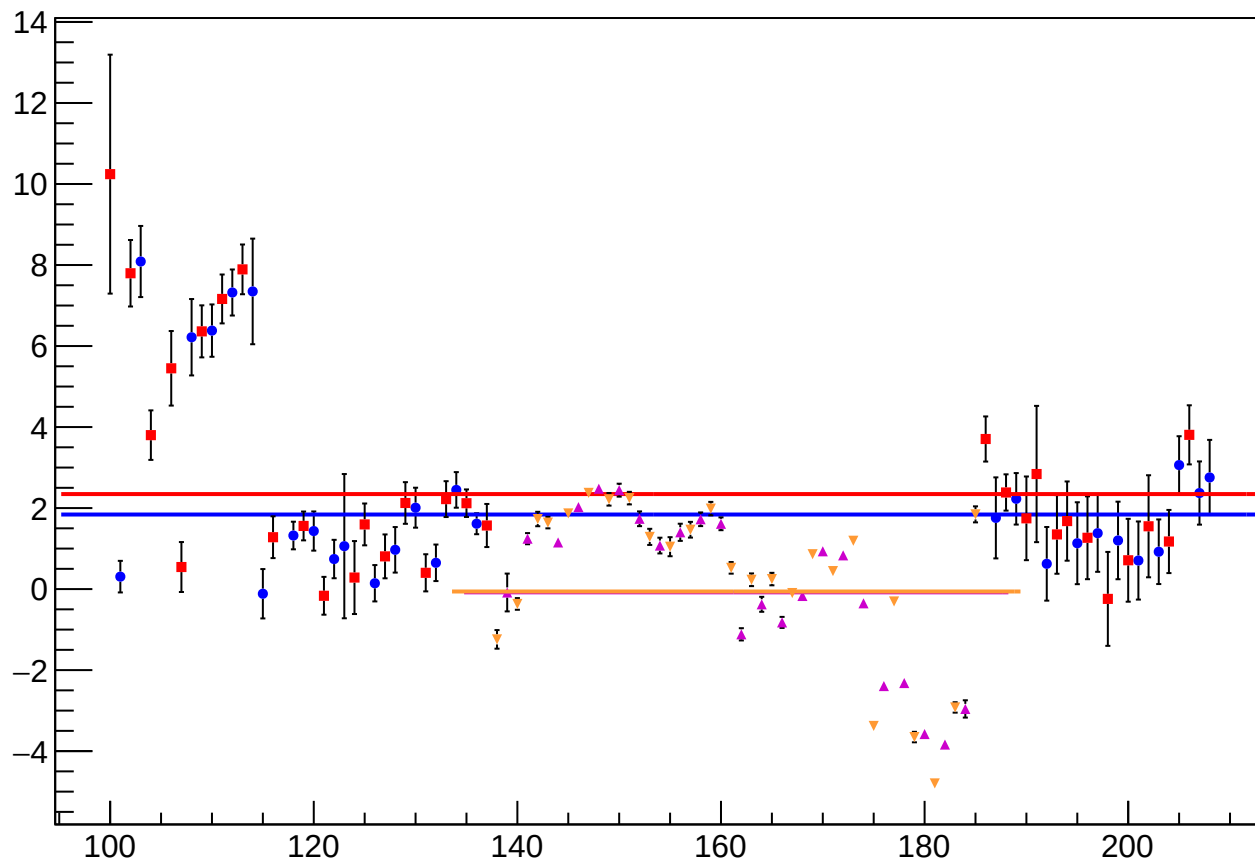
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.623 ± 0.034 $\chi^2/\text{NDF}: 12637.5/35$

All: 7.567 ± 0.024 $\chi^2/\text{NDF}: 23787.9/70$

- 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: 1.841 ± 0.107 χ^2/NDF : 303.7/27

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.346 ± 0.109 χ^2/NDF : 358.8/30

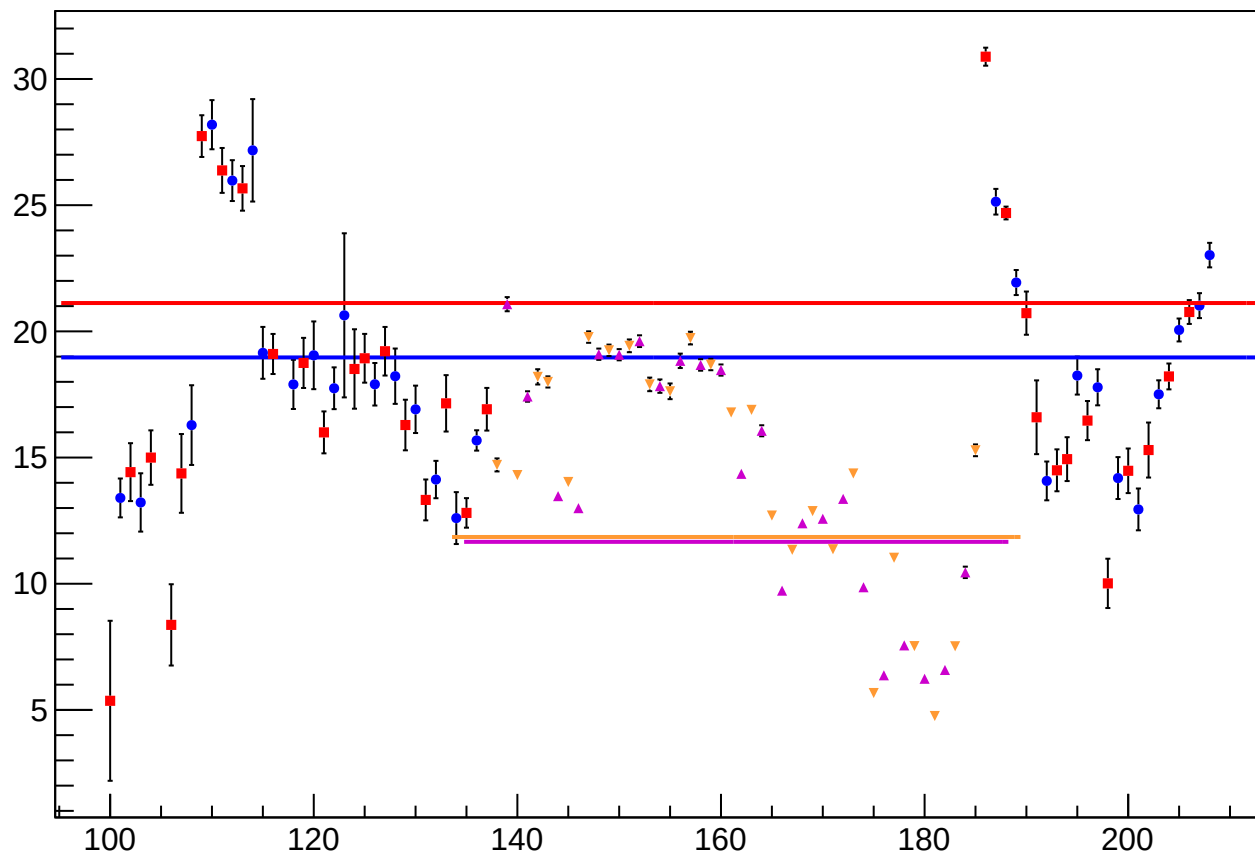
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.061 ± 0.027 χ^2/NDF : 6669.9/52

All: 0.067 ± 0.019 χ^2/NDF : 12475.7/106

- sign 0.073 ± 0.027 χ^2/NDF : 5805.7/53

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 18.967 $\pm$ 0.135 χ^2 /NDF: 831.6/27

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

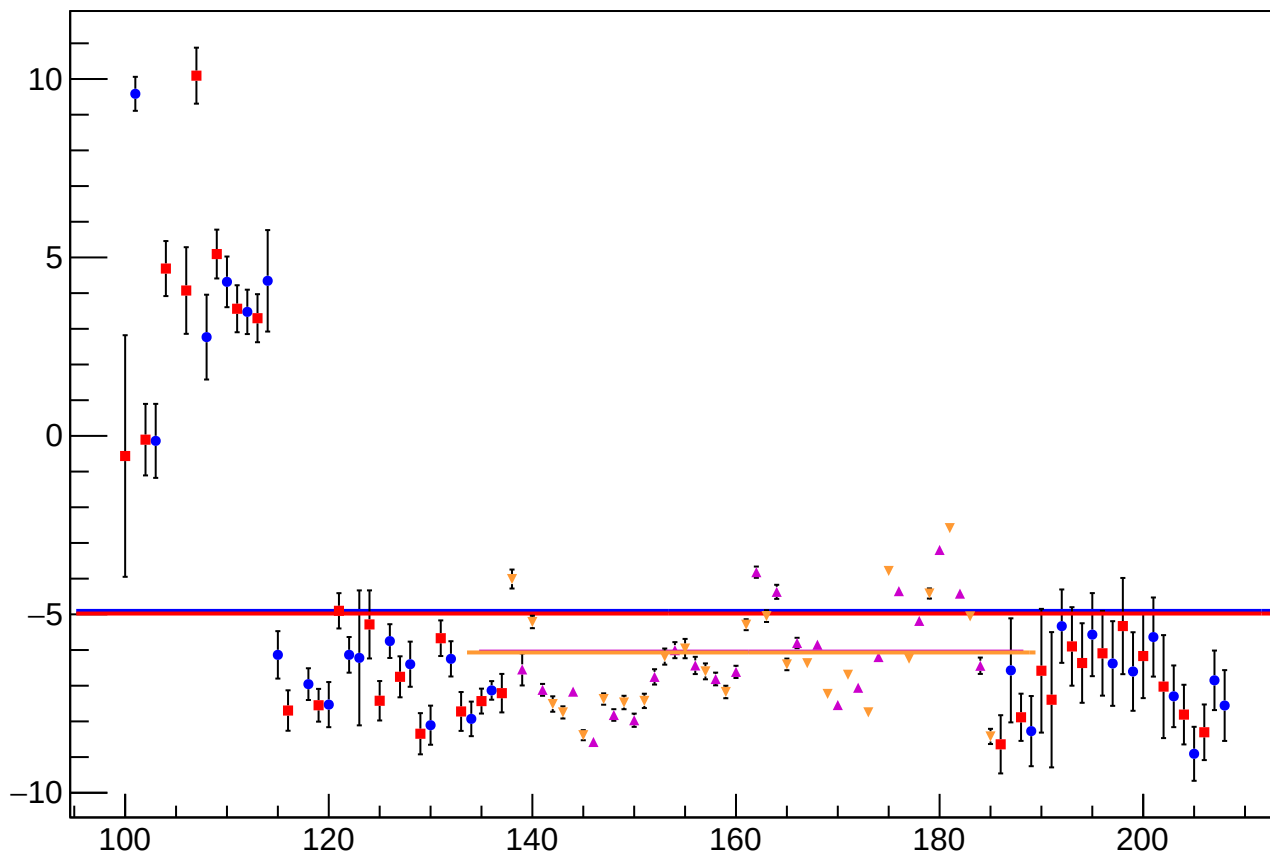
Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

+ sign 12.292 $\pm$ 0.034 χ^2 /NDF: 22581.1/52

All: 12.313 $\pm$ 0.024 χ^2 /NDF: 46504.7/106

- 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: -4.904 ± 0.120 χ^2/NDF : 1658.7/27

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -4.978 ± 0.124 χ^2/NDF : 1432.7/30

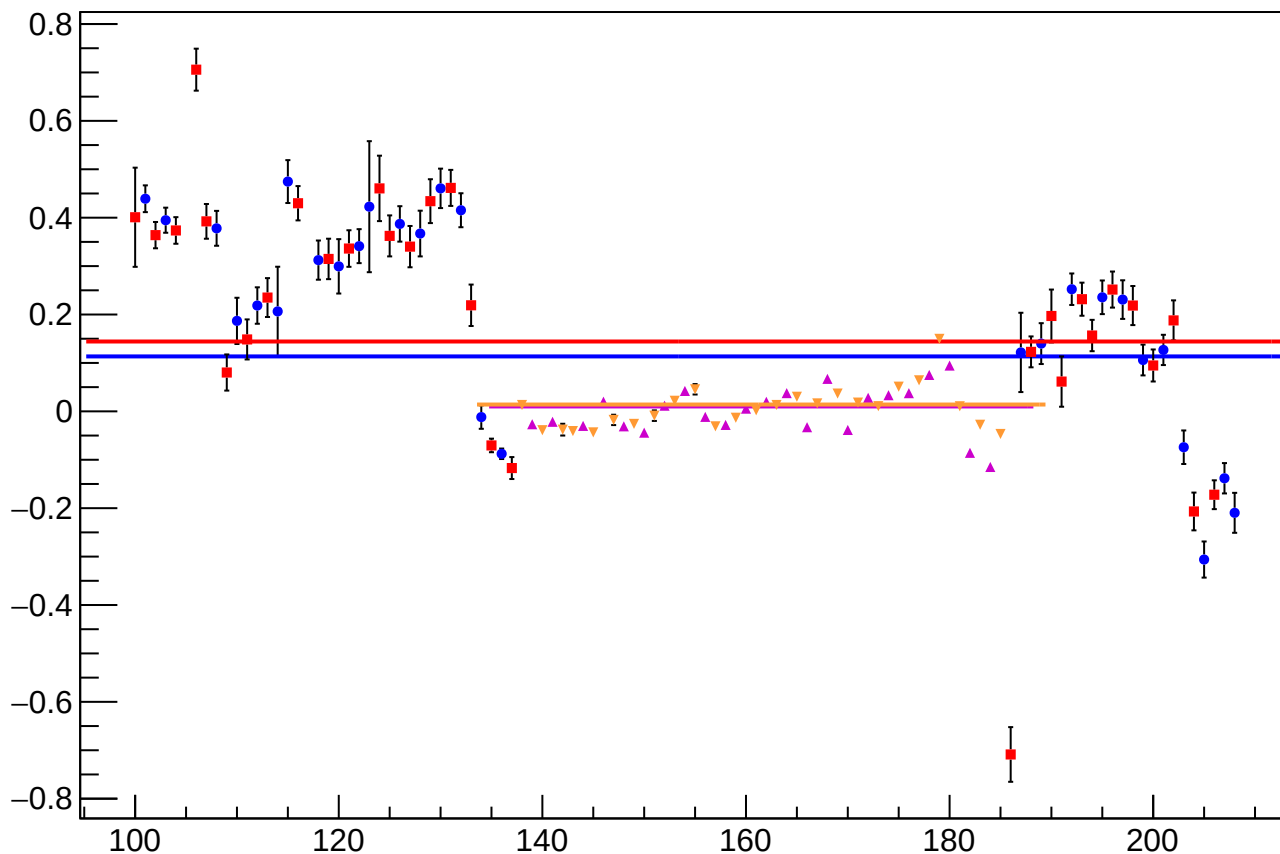
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -5.995 ± 0.030 χ^2/NDF : 4419.0/52

All: -5.987 ± 0.022 χ^2/NDF : 8214.7/106

- sign -5.980 ± 0.031 χ^2/NDF : 3795.6/53

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.113 $\pm$ 0.006 χ^2 /NDF: 1395.6/27

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

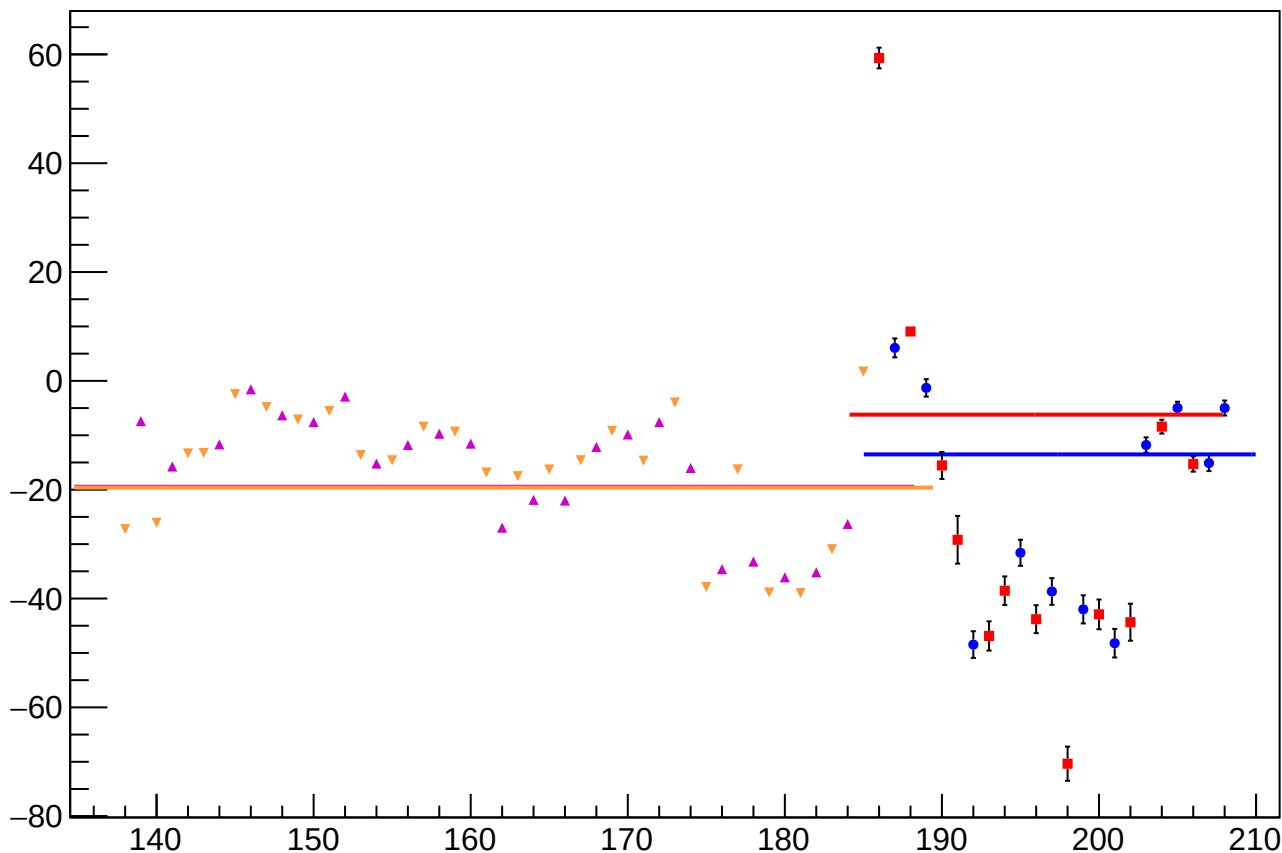
Left In: 0.010 $\pm$ 0.001 χ^2 /NDF: 1216.1/22

+ sign 0.019 $\pm$ 0.001 χ^2 /NDF: 2615.9/52

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5760.8/106

- sign 0.017 $\pm$ 0.001 χ^2 /NDF: 3143.7/53

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -13.512 ± 0.514 χ^2/NDF : 941.9/10

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: -6.212 ± 0.515 χ^2/NDF : 2917.5/11

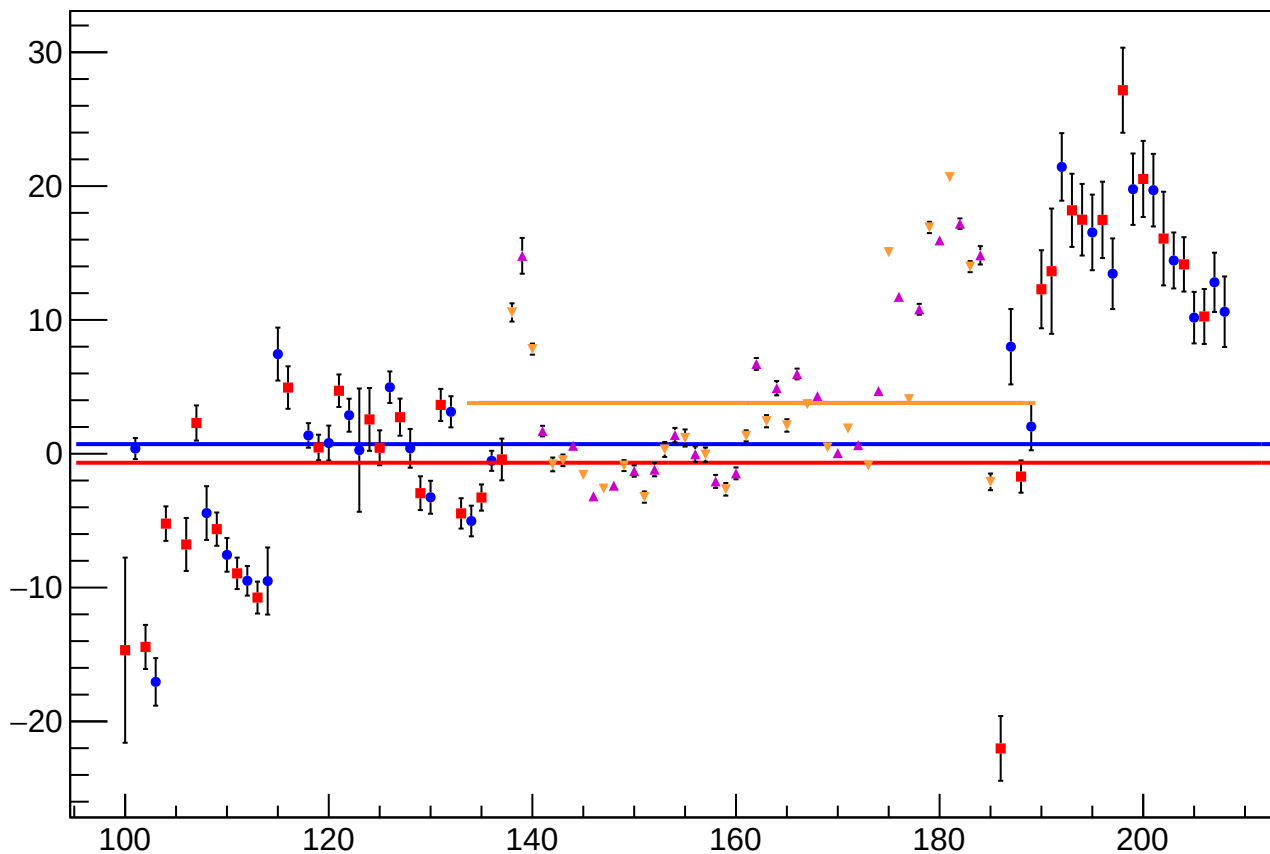
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -19.376 ± 0.101 χ^2/NDF : 16838.5/35

All: -19.153 ± 0.072 χ^2/NDF : 32682.5/70

- sign -18.922 ± 0.103 χ^2/NDF : 15834.1/34

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.718 ± 0.271 χ^2/NDF : 663.2/27

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -0.672 ± 0.276 χ^2/NDF : 793.1/30

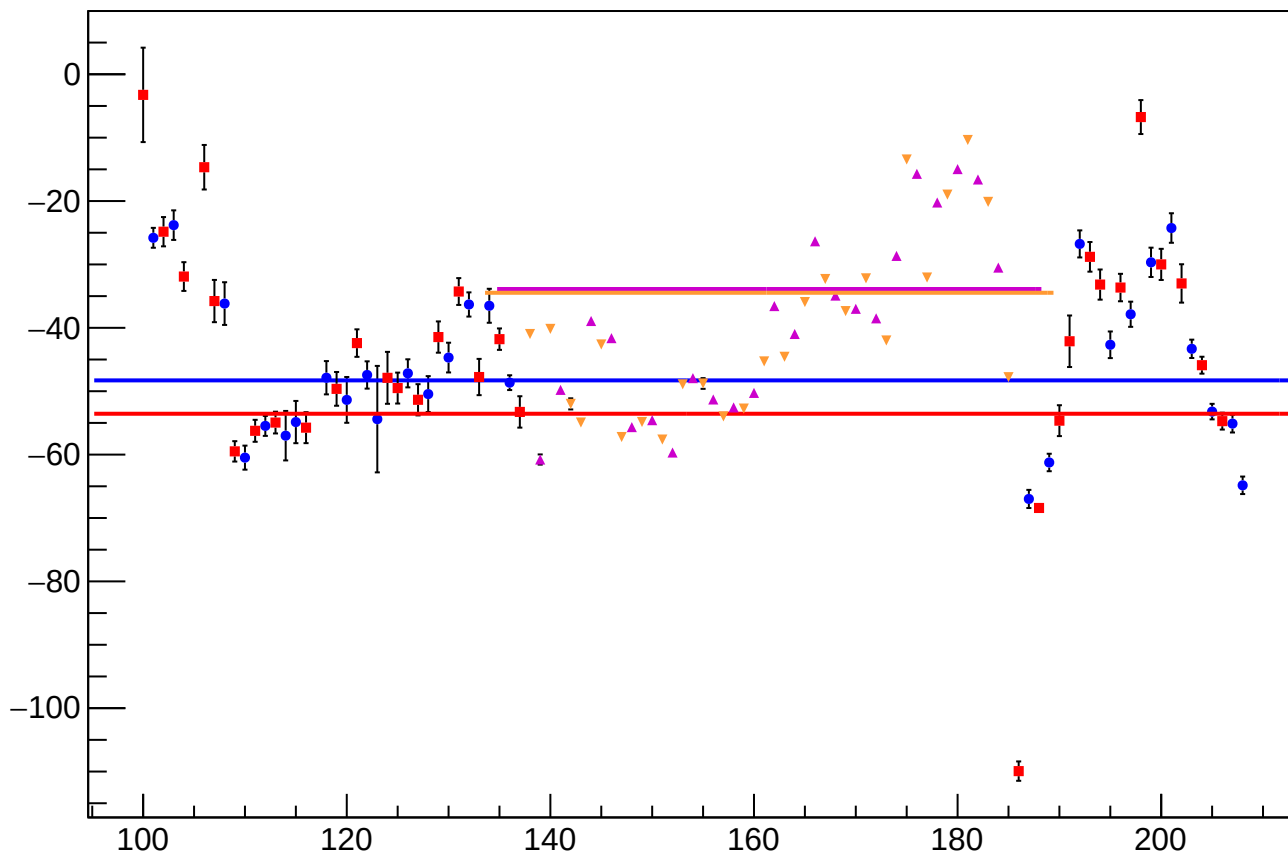
Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

+ sign 3.530 ± 0.079 χ^2/NDF : 7931.5/52

All: 3.478 ± 0.056 χ^2/NDF : 14482.5/106

- sign 3.424 ± 0.080 χ^2/NDF : 6550.1/53

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -48.292 ± 0.356 χ^2/NDF : 1225.2/27

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -53.554 ± 0.343 χ^2/NDF : 3242.9/30

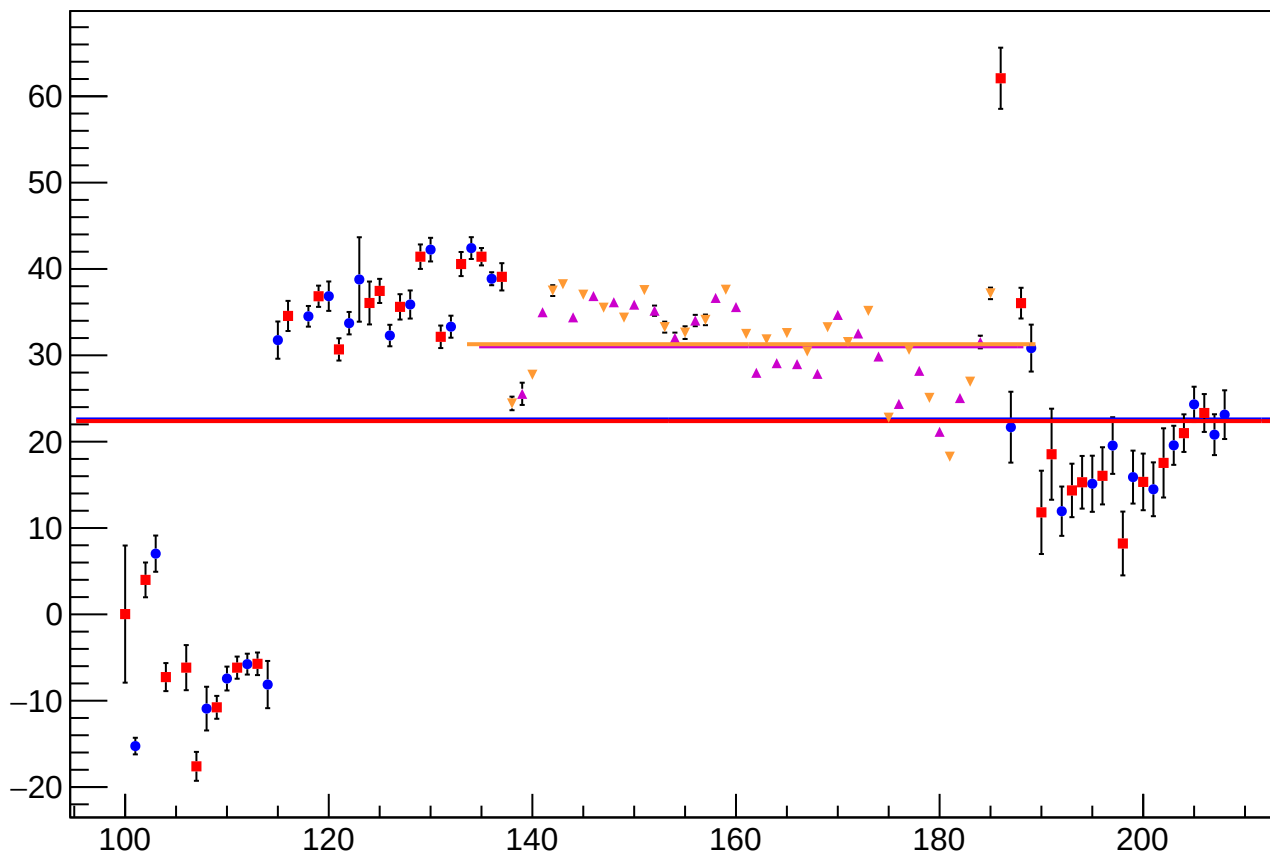
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -35.556 ± 0.100 χ^2/NDF : 22809.9/52

All: -35.561 ± 0.071 χ^2/NDF : 46691.9/106

- sign -35.565 ± 0.101 χ^2/NDF : 23882.0/53

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.574 $\pm$ 0.306 χ^2 /NDF: 4362.1/27

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

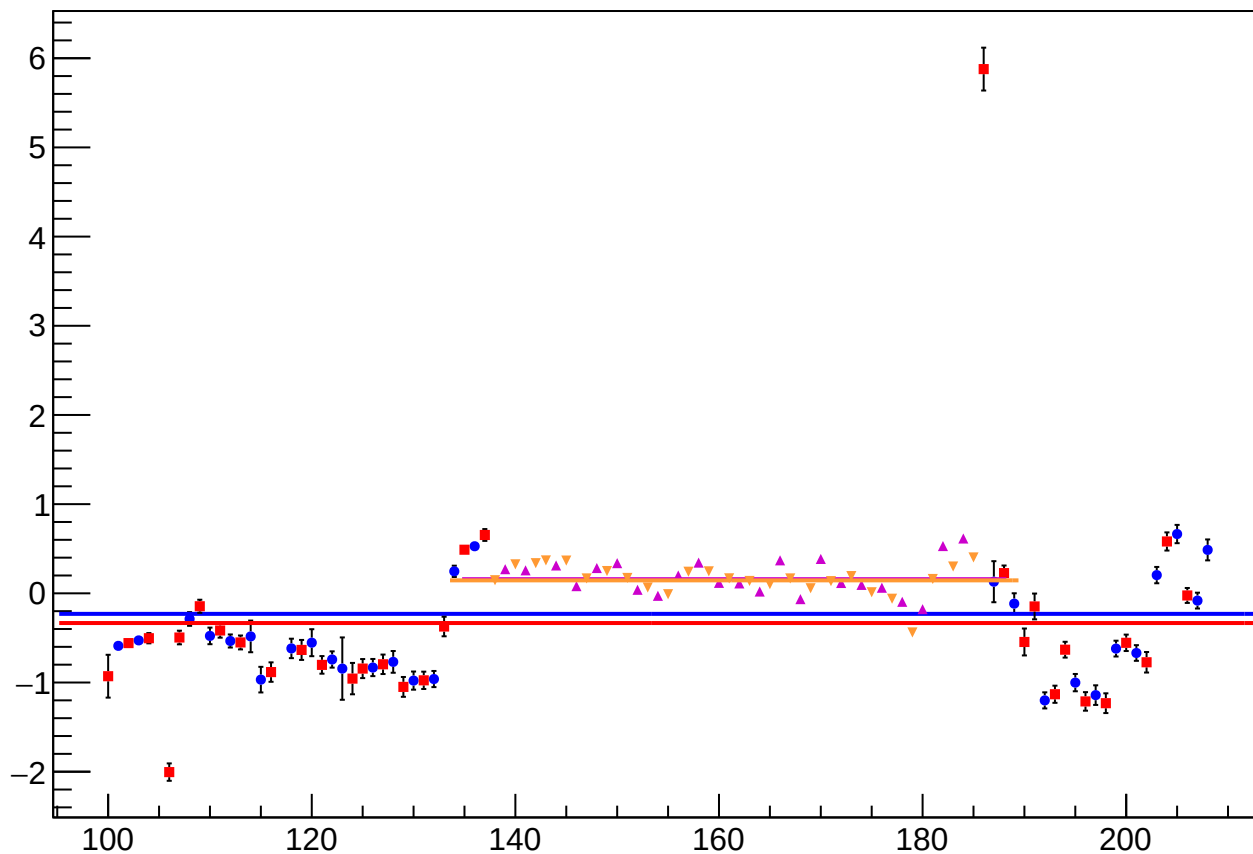
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.556 $\pm$ 0.088 χ^2 /NDF: 8452.8/52

All: 30.446 $\pm$ 0.063 χ^2 /NDF: 15885.2/106

- sign 30.331 $\pm$ 0.090 χ^2 /NDF: 7429.2/53

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.230 ± 0.015 χ^2/NDF : 1436.9/27

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.333 ± 0.016 χ^2/NDF : 2221.8/30

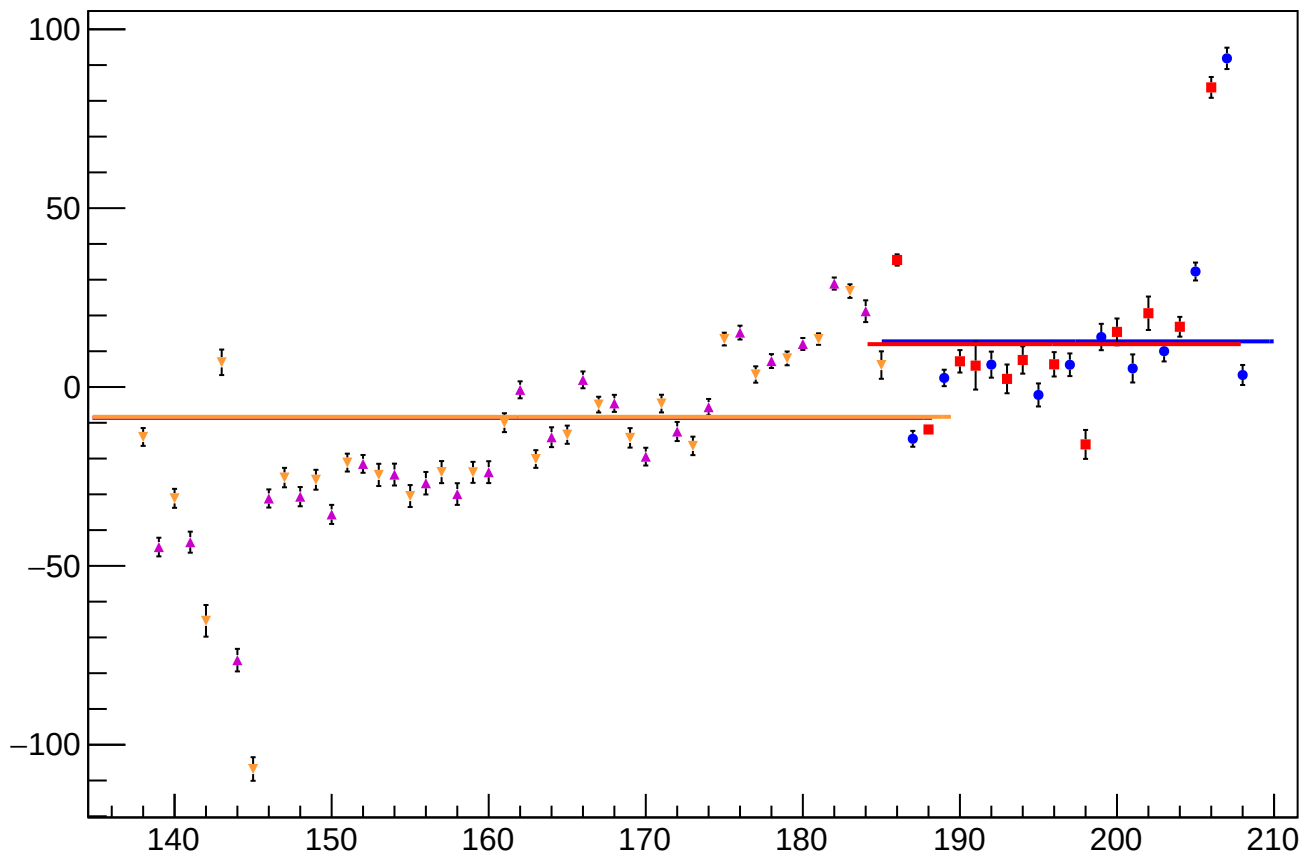
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.119 ± 0.004 χ^2/NDF : 3572.1/52

All: 0.121 ± 0.003 χ^2/NDF : 8726.8/106

- sign 0.124 ± 0.004 χ^2/NDF : 5154.0/53

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 12.758 ± 0.869 $\chi^2/\text{NDF}: 977.0/10$

Left Out: -8.332 ± 0.500 $\chi^2/\text{NDF}: 2226.2/24$

Right Out: 11.980 ± 0.740 $\chi^2/\text{NDF}: 1271.1/11$

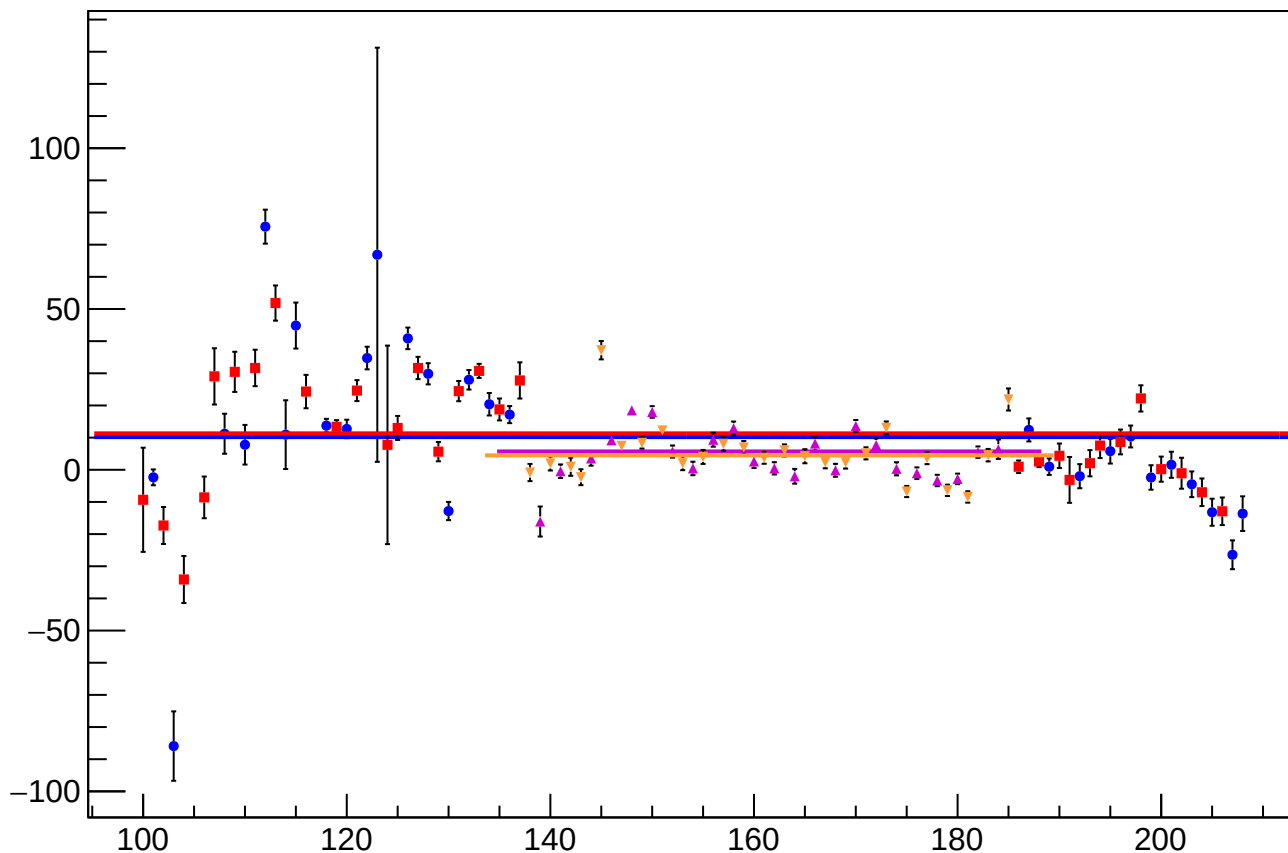
Left In: -8.652 ± 0.507 $\chi^2/\text{NDF}: 2223.8/22$

+ sign -3.097 ± 0.433 $\chi^2/\text{NDF}: 3645.5/35$

All: -2.562 ± 0.301 $\chi^2/\text{NDF}: 7671.9/70$

- sign -2.062 ± 0.418 $\chi^2/\text{NDF}: 4023.4/34$

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 10.165 $\pm$ 0.683 χ^2 /NDF: 741.3/27

Left Out: 4.484 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 11.331 $\pm$ 0.646 χ^2 /NDF: 467.3/30

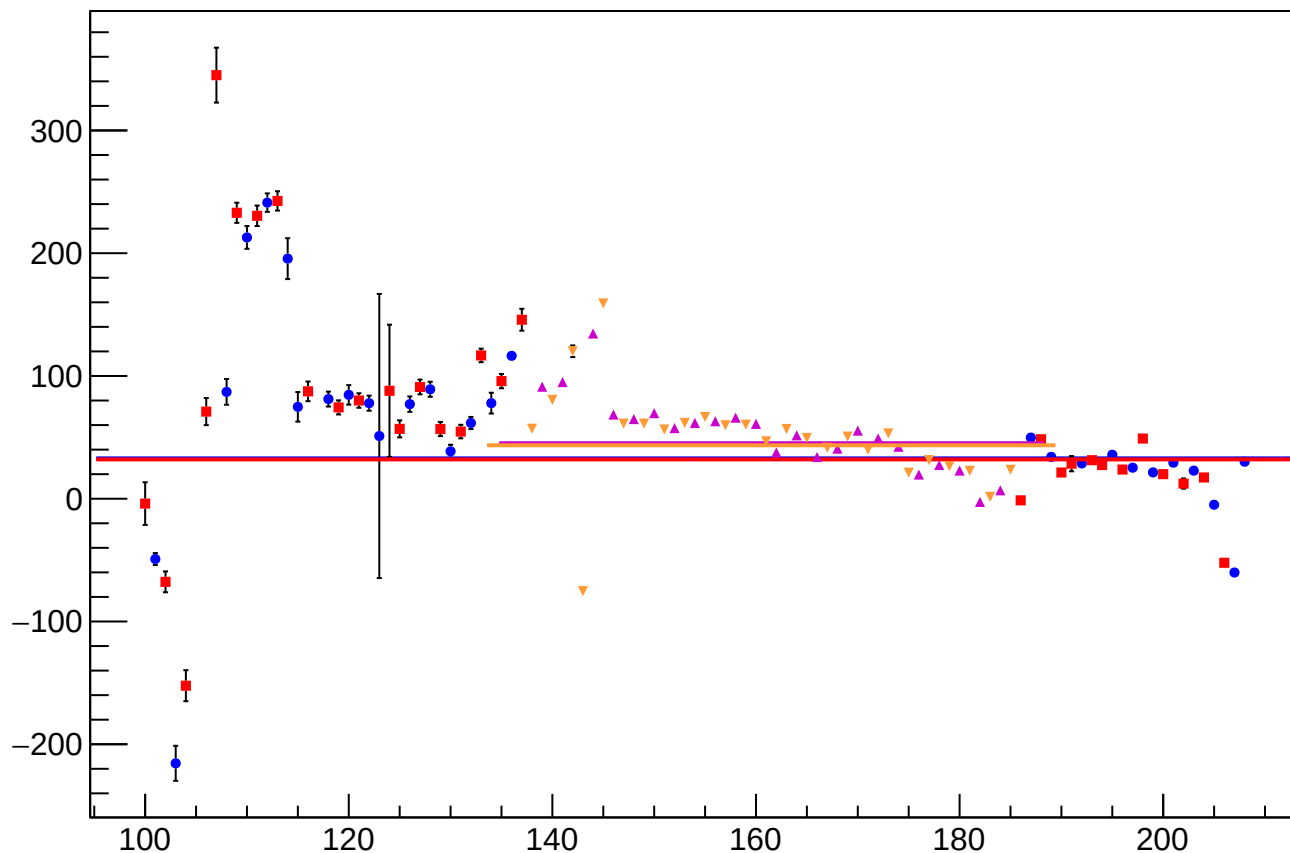
Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

+ sign 5.892 $\pm$ 0.340 χ^2 /NDF: 1165.1/52

All: 6.585 $\pm$ 0.241 χ^2 /NDF: 2019.4/106

- sign 7.289 $\pm$ 0.343 χ^2 /NDF: 846.0/53

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 32.863 $\pm$ 0.707 χ^2 /NDF: 4033.6/27

Left Out: 43.524 $\pm$ 0.498 χ^2 /NDF: 3830.7/24

Right Out: 32.045 $\pm$ 0.589 χ^2 /NDF: 5280.3/30

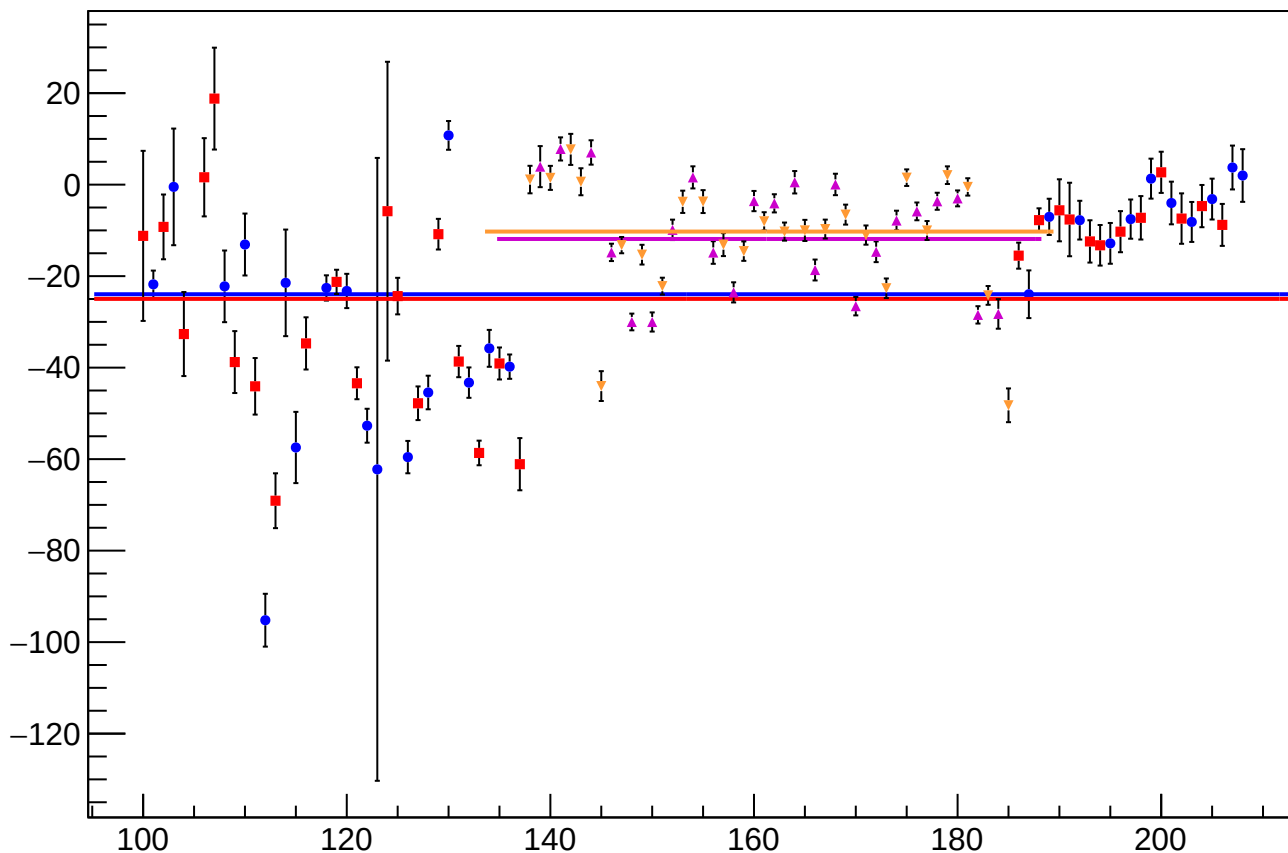
Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

+ sign 39.986 $\pm$ 0.407 χ^2 /NDF: 8016.2/52

All: 39.804 $\pm$ 0.279 χ^2 /NDF: 16633.7/106

- sign 39.643 $\pm$ 0.383 χ^2 /NDF: 8617.1/53

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -23.957 ± 0.798 χ^2/NDF : 767.4/27

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -24.971 ± 0.784 χ^2/NDF : 604.7/30

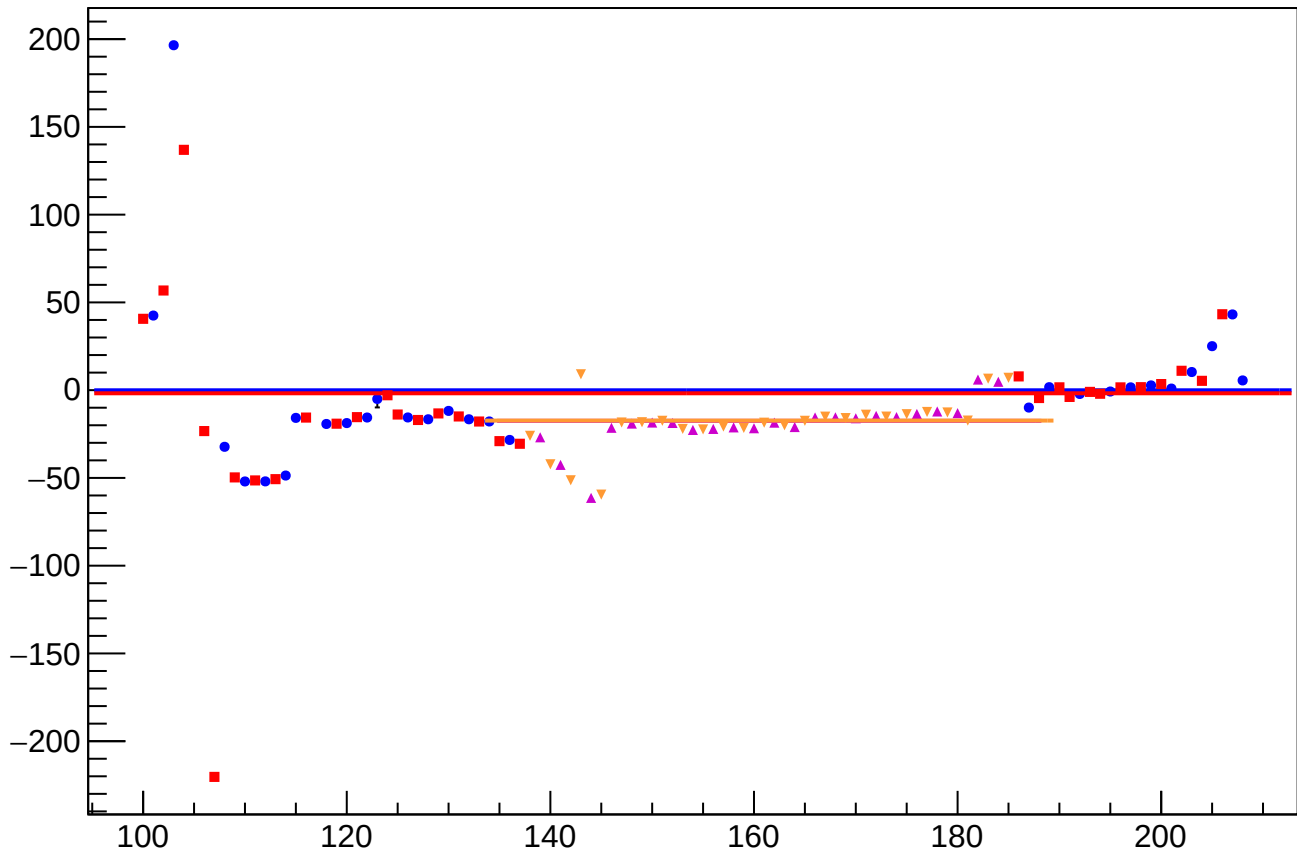
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.496 ± 0.388 χ^2/NDF : 1544.7/52

All: -14.330 ± 0.277 χ^2/NDF : 3033.6/106

- sign -15.190 ± 0.394 χ^2/NDF : 1479.5/53

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.076 ± 0.037 χ^2/NDF : 673845.6/27

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -1.781 ± 0.036 χ^2/NDF : 670996.2/30

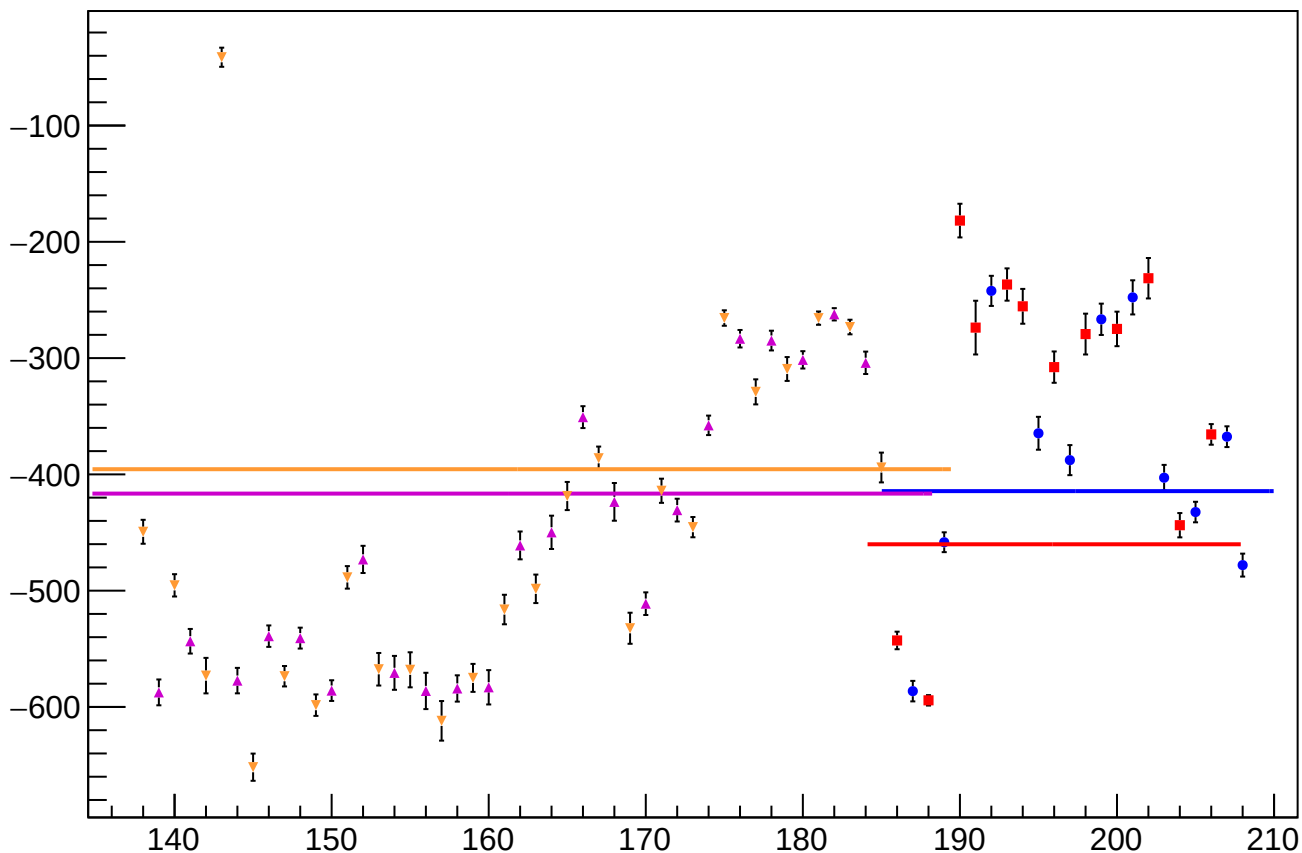
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -13.382 ± 0.018 χ^2/NDF : 1162875.2/52

All: -13.522 ± 0.013 χ^2/NDF : 2233889.0/106

- sign -13.663 ± 0.018 χ^2/NDF : 1070890.7/53

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -414.392 ± 3.202 χ^2/NDF : 924.0/10

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -460.104 ± 2.863 χ^2/NDF : 2574.1/11

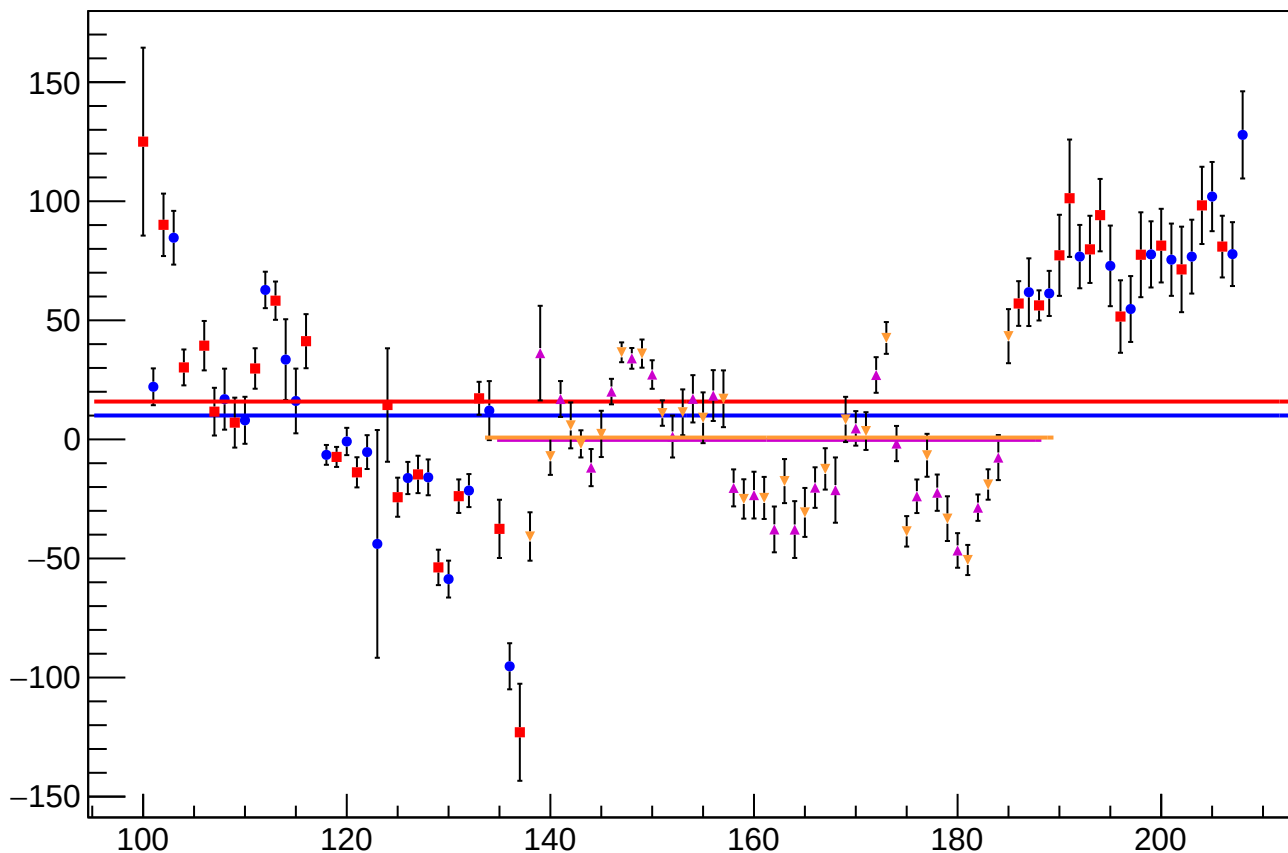
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -400.659 ± 1.668 χ^2/NDF : 6895.8/35

All: -415.991 ± 1.170 χ^2/NDF : 13708.9/70

- sign -430.860 ± 1.642 χ^2/NDF : 6646.6/34

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 10.035 ± 1.749 $\chi^2/\text{NDF}: 625.8/27$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 15.891 ± 1.697 $\chi^2/\text{NDF}: 589.6/30$

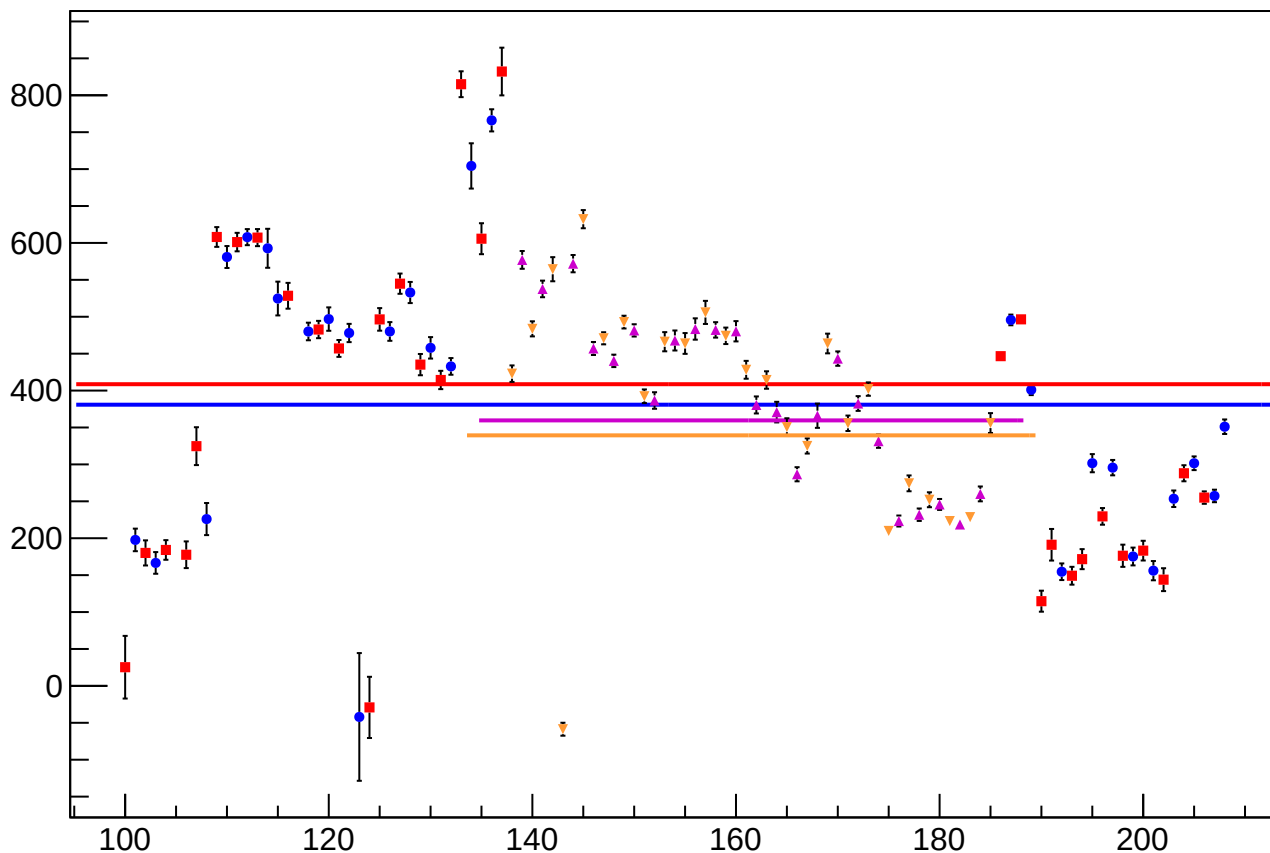
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 4.703 ± 1.140 $\chi^2/\text{NDF}: 992.0/52$

All: 5.959 ± 0.811 $\chi^2/\text{NDF}: 1893.2/106$

- sign 7.248 ± 1.154 $\chi^2/\text{NDF}: 898.7/53$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 380.871 $\pm$ 2.277 χ^2/NDF : 4113.3/27

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

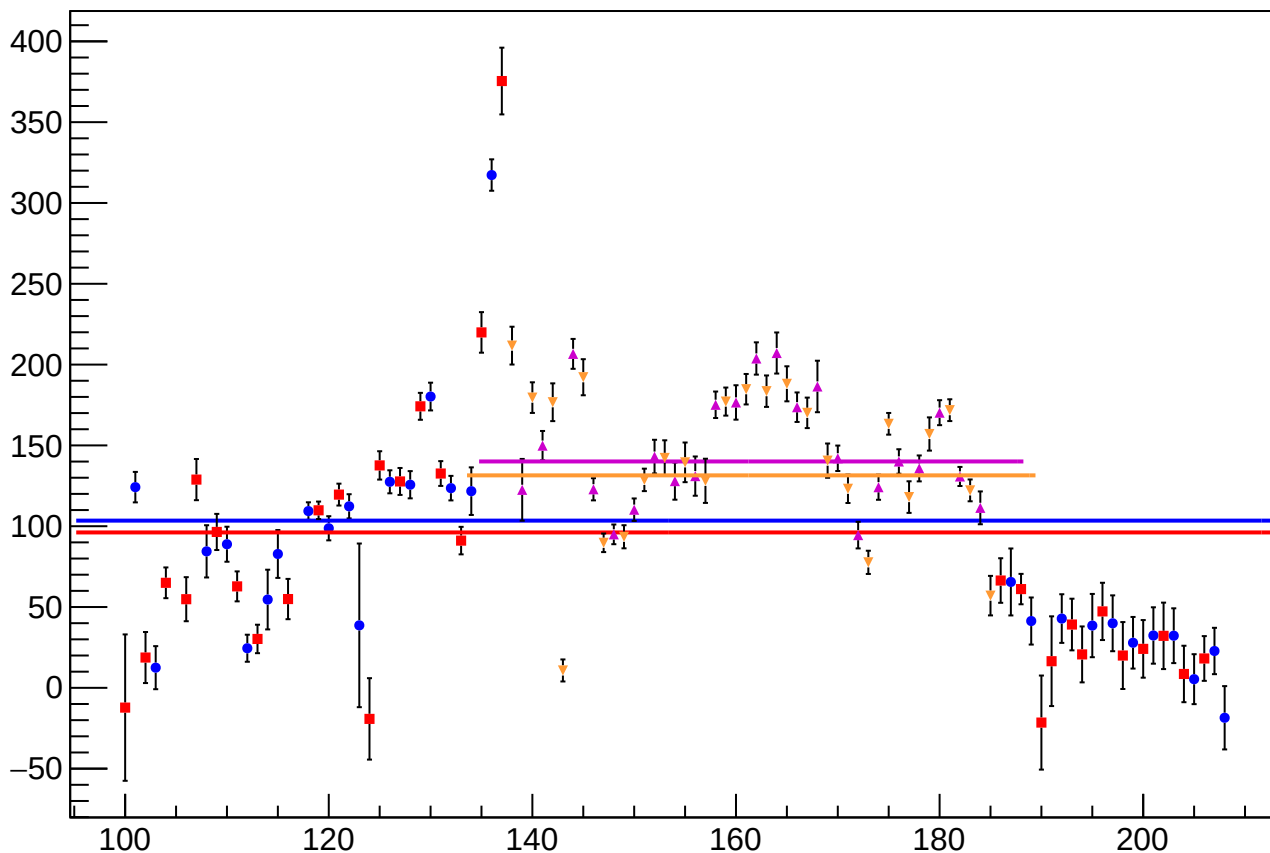
Left In: 359.609 $\pm$ 2.003 χ^2/NDF :3398.5/22

+ sign 357.050 $\pm$ 1.487 χ^2/NDF : 9806.5/52

All: 371.191 $\pm$ 1.026 χ^2/NDF : 19753.9/106

- sign 384.056 $\pm$ 1.418 χ^2/NDF : 9774.7/53

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 103.460 $\pm$ 2.038 χ^2 /NDF: 977.4/27

Left Out: 131.464 $\pm$ 1.728 χ^2 /NDF: 809.3/24

Right Out: 96.148 $\pm$ 1.997 χ^2 /NDF: 782.0/30

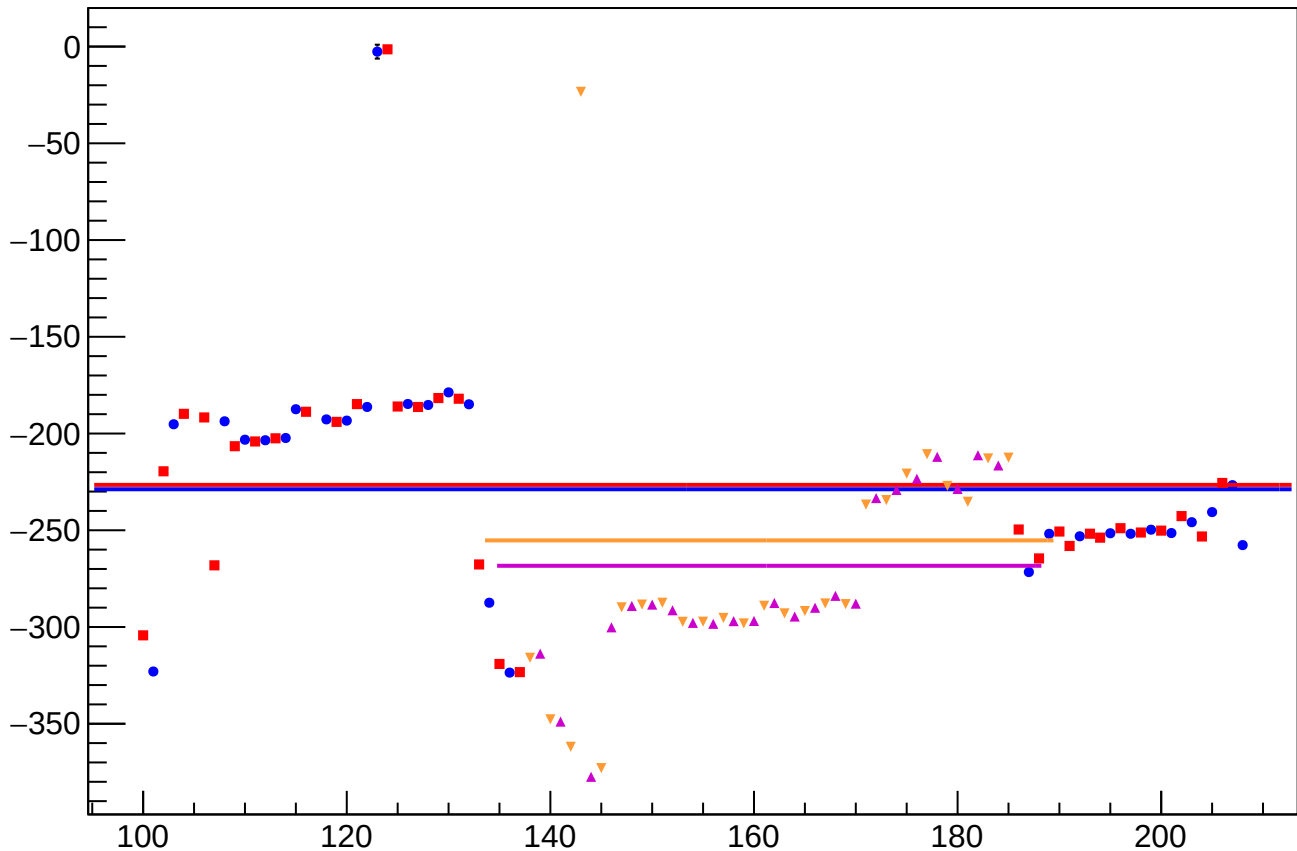
Left In: 140.069 $\pm$ 1.795 χ^2 /NDF: 316.5/22

+ sign 119.755 $\pm$ 1.318 χ^2 /NDF: 1896.6/52

All: 120.094 $\pm$ 0.938 χ^2 /NDF: 3262.8/106

- sign 120.442 $\pm$ 1.335 χ^2 /NDF: 1366.1/53

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -228.810 ± 0.108 $\chi^2/\text{NDF}: 168354.8/27$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -226.543 ± 0.103 $\chi^2/\text{NDF}: 149156.8/30$

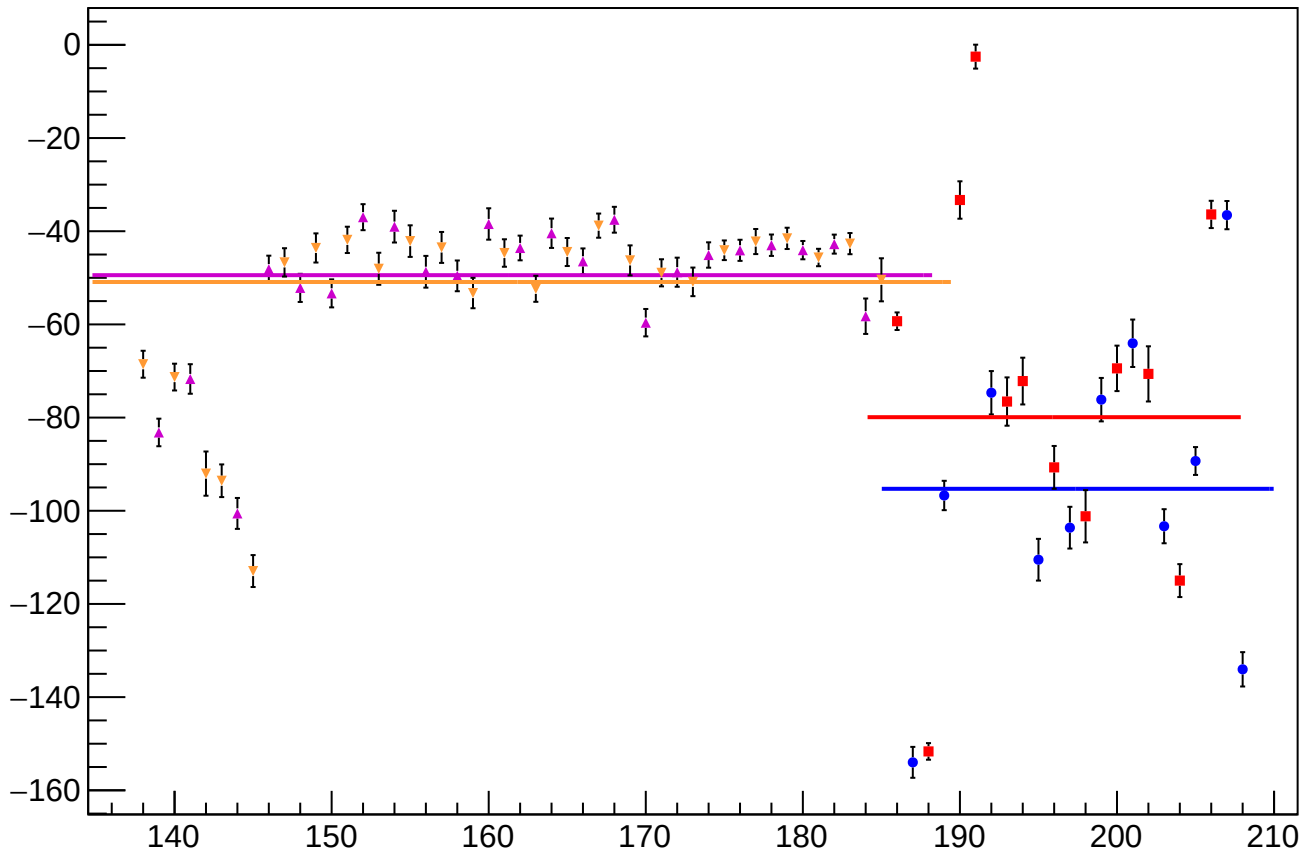
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -245.625 ± 0.065 $\chi^2/\text{NDF}: 934156.4/52$

All: -248.746 ± 0.046 $\chi^2/\text{NDF}: 1449091.5/10$

- sign -251.834 ± 0.065 $\chi^2/\text{NDF}: 510402.7/53$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -95.288 ± 1.124 χ^2/NDF : 897.5/10

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -79.914 ± 0.900 χ^2/NDF : 3135.0/11

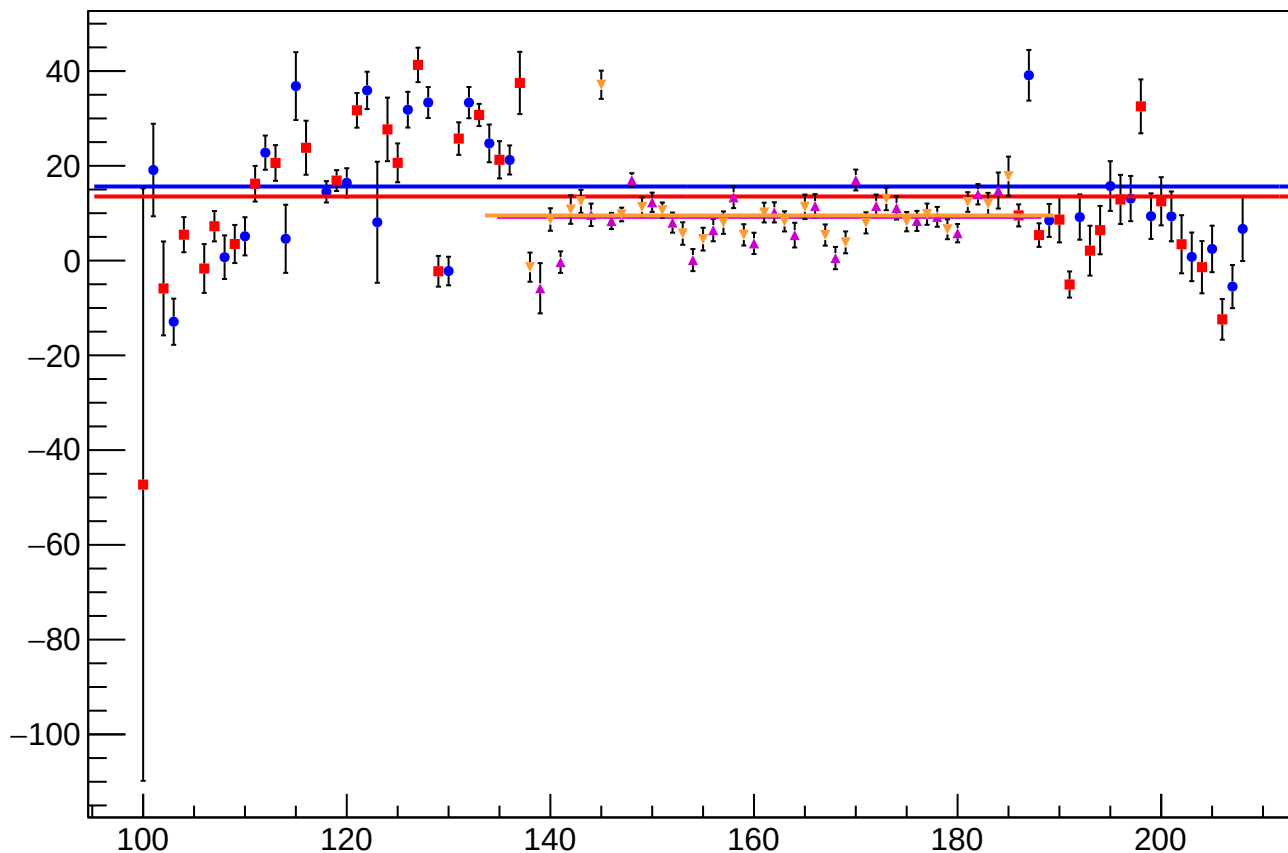
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -60.044 ± 0.510 χ^2/NDF : 2896.3/35

All: -59.218 ± 0.353 χ^2/NDF : 7386.5/70

- sign -58.457 ± 0.490 χ^2/NDF : 4485.2/34

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.636 ± 0.777 $\chi^2/\text{NDF}: 281.7/27$

Left Out: 9.530 ± 0.446 $\chi^2/\text{NDF}: 134.4/24$

Right Out: 13.528 ± 0.681 $\chi^2/\text{NDF}: 360.2/30$

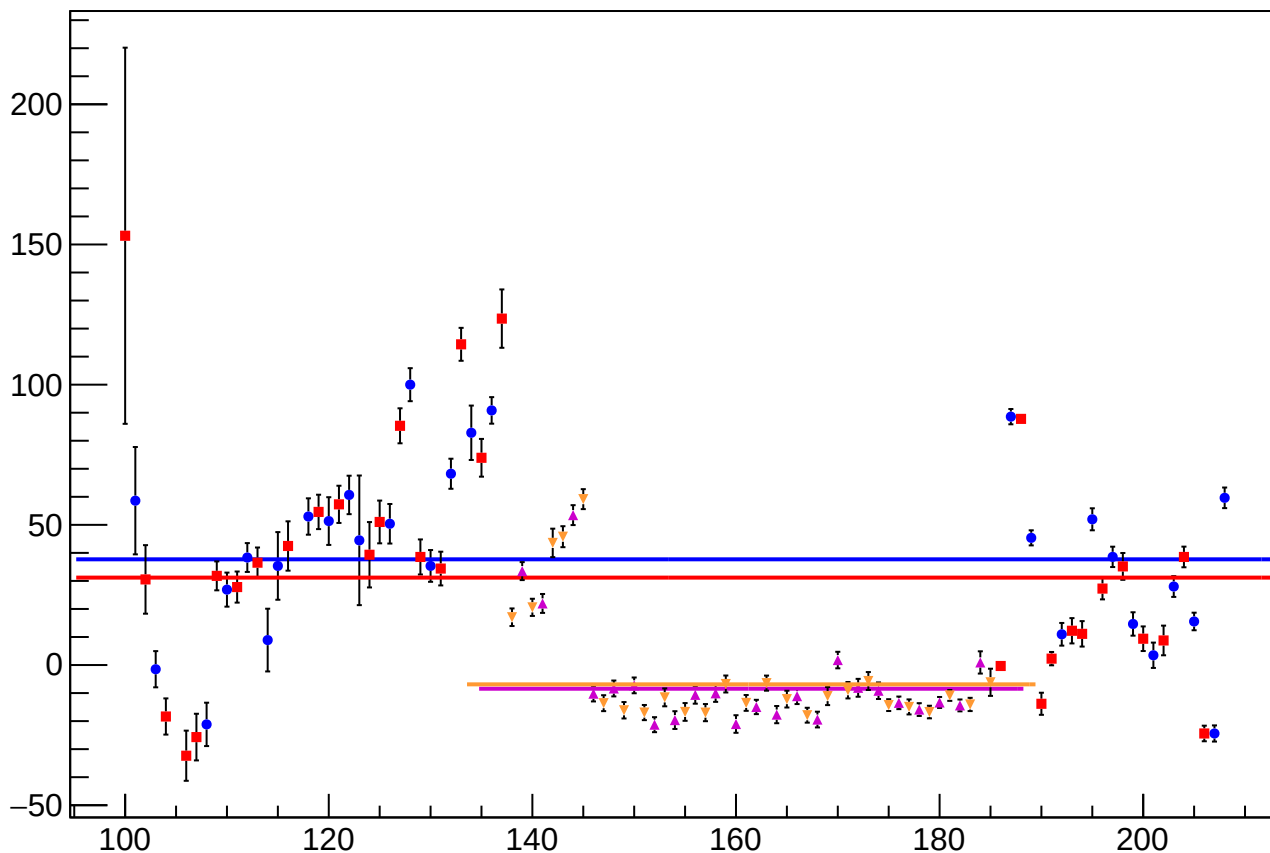
Left In: 9.231 ± 0.462 $\chi^2/\text{NDF}: 124.0/22$

+ sign 11.042 ± 0.387 $\chi^2/\text{NDF}: 462.5/52$

All: 10.810 ± 0.272 $\chi^2/\text{NDF}: 974.7/106$

- sign 10.584 ± 0.382 $\chi^2/\text{NDF}: 511.4/53$

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 37.705 ± 0.876 $\chi^2/\text{NDF}: 1479.0/27$

Left Out: -6.888 ± 0.571 $\chi^2/\text{NDF}: 914.2/24$

Right Out: 31.182 ± 0.698 $\chi^2/\text{NDF}: 3349.2/30$

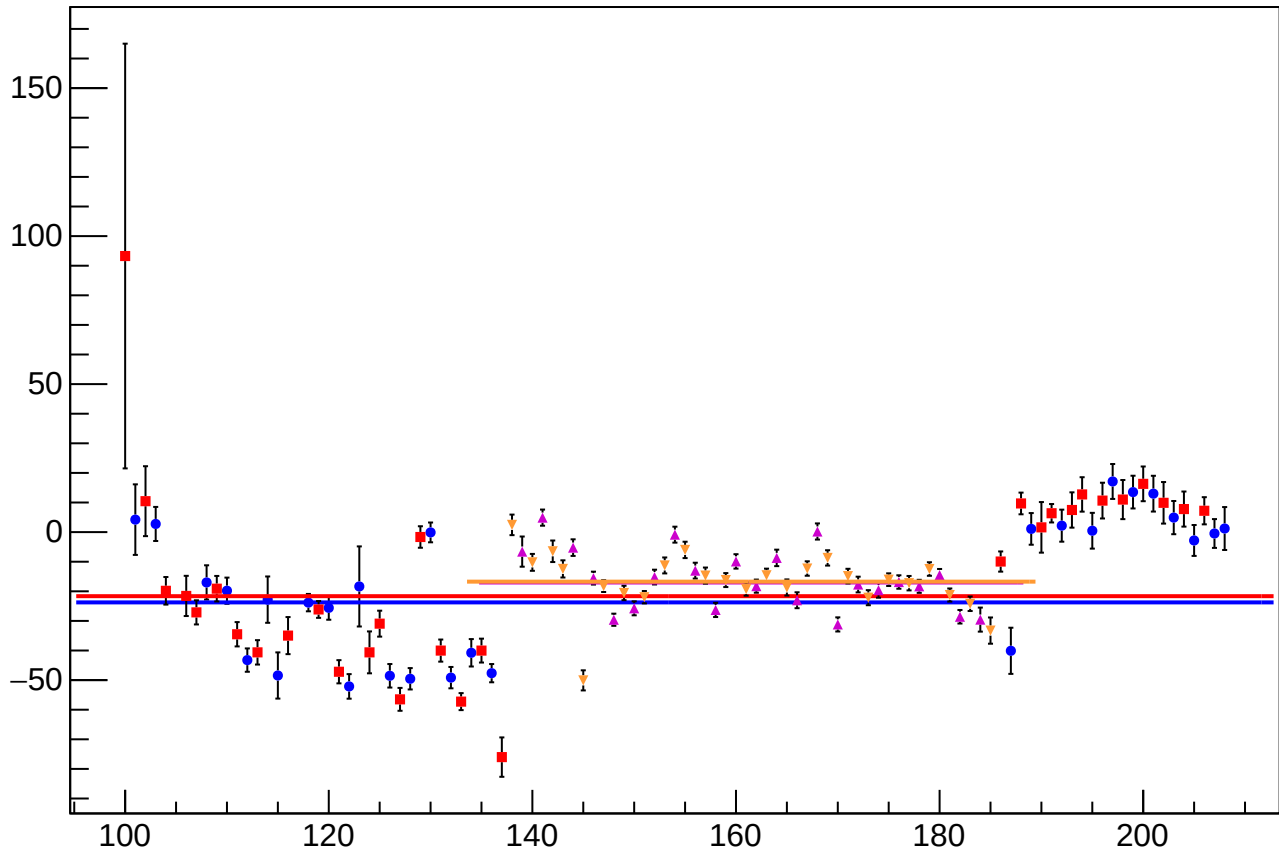
Left In: -8.451 ± 0.580 $\chi^2/\text{NDF}: 688.9/22$

+ sign 6.415 ± 0.478 $\chi^2/\text{NDF}: 4212.8/52$

All: 7.118 ± 0.326 $\chi^2/\text{NDF}: 10162.4/106$

- sign 7.729 ± 0.446 $\chi^2/\text{NDF}: 5945.5/53$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -23.747 ± 0.896 χ^2/NDF : 646.0/27

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -21.645 ± 0.810 χ^2/NDF : 893.1/30

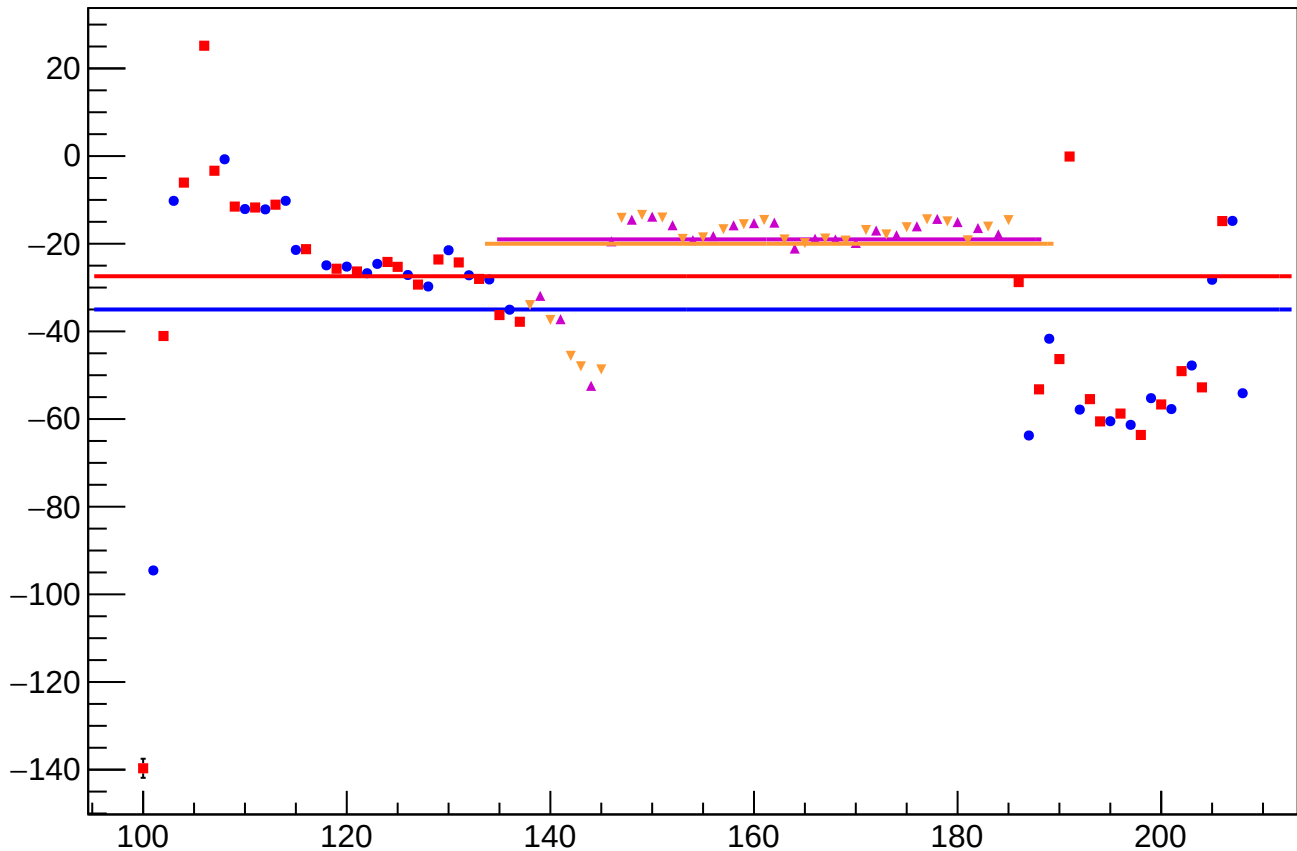
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -18.434 ± 0.441 χ^2/NDF : 915.8/52

All: -18.406 ± 0.311 χ^2/NDF : 2159.5/106

- sign -18.379 ± 0.439 χ^2/NDF : 1243.7/53

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -35.001 ± 0.042 $\chi^2/\text{NDF}: 217628.6/27$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -27.419 ± 0.037 $\chi^2/\text{NDF}: 414211.5/30$

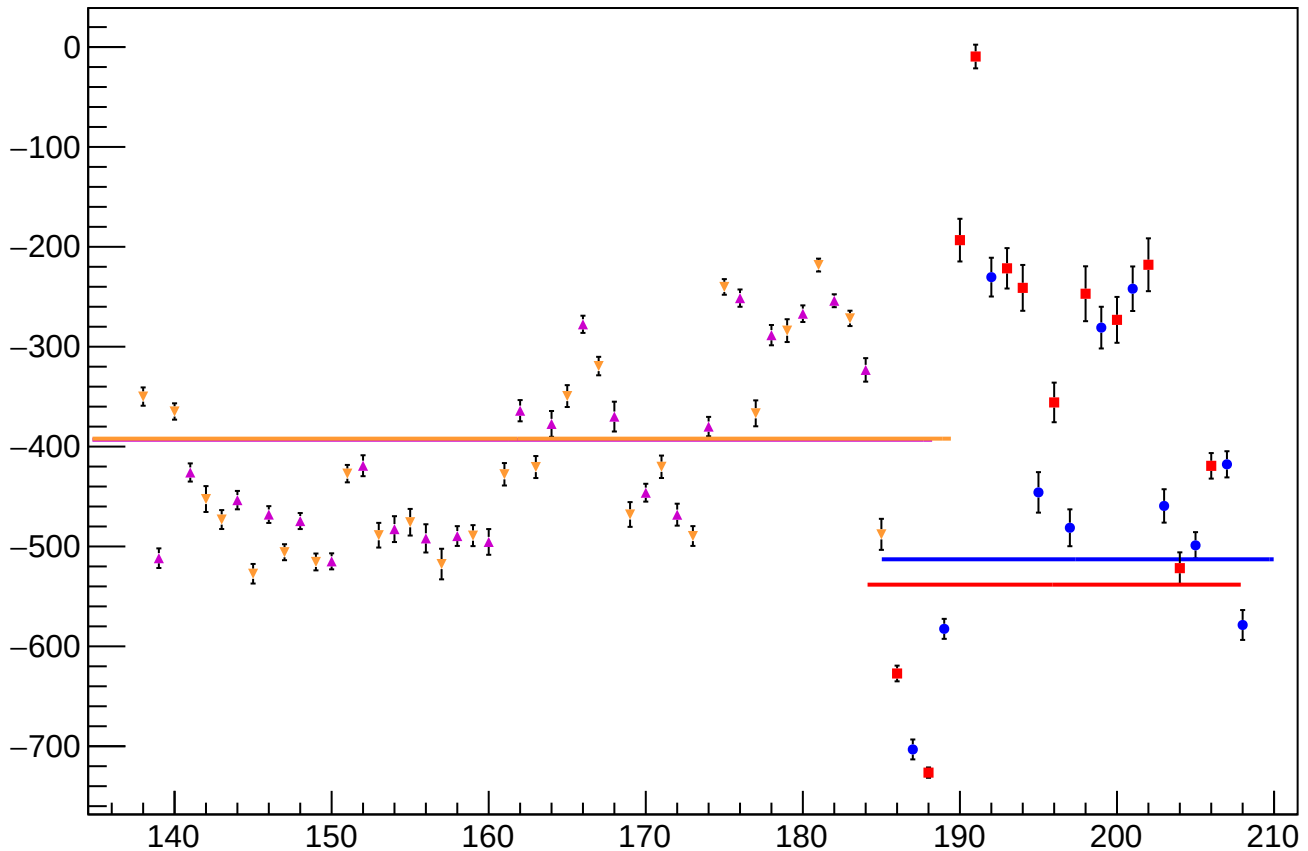
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -23.490 ± 0.020 $\chi^2/\text{NDF}: 459519.9/52$

All: -22.446 ± 0.014 $\chi^2/\text{NDF}: 1006372.4/106$

- sign -21.449 ± 0.020 $\chi^2/\text{NDF}: 541738.1/53$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -512.848 $\pm$ 4.386 χ^2/NDF : 993.4/10

Left Out: -392.054 $\pm$ 1.967 χ^2/NDF :2717.2/24

Right Out: -538.229 $\pm$ 3.442 χ^2/NDF : 4675.0/11

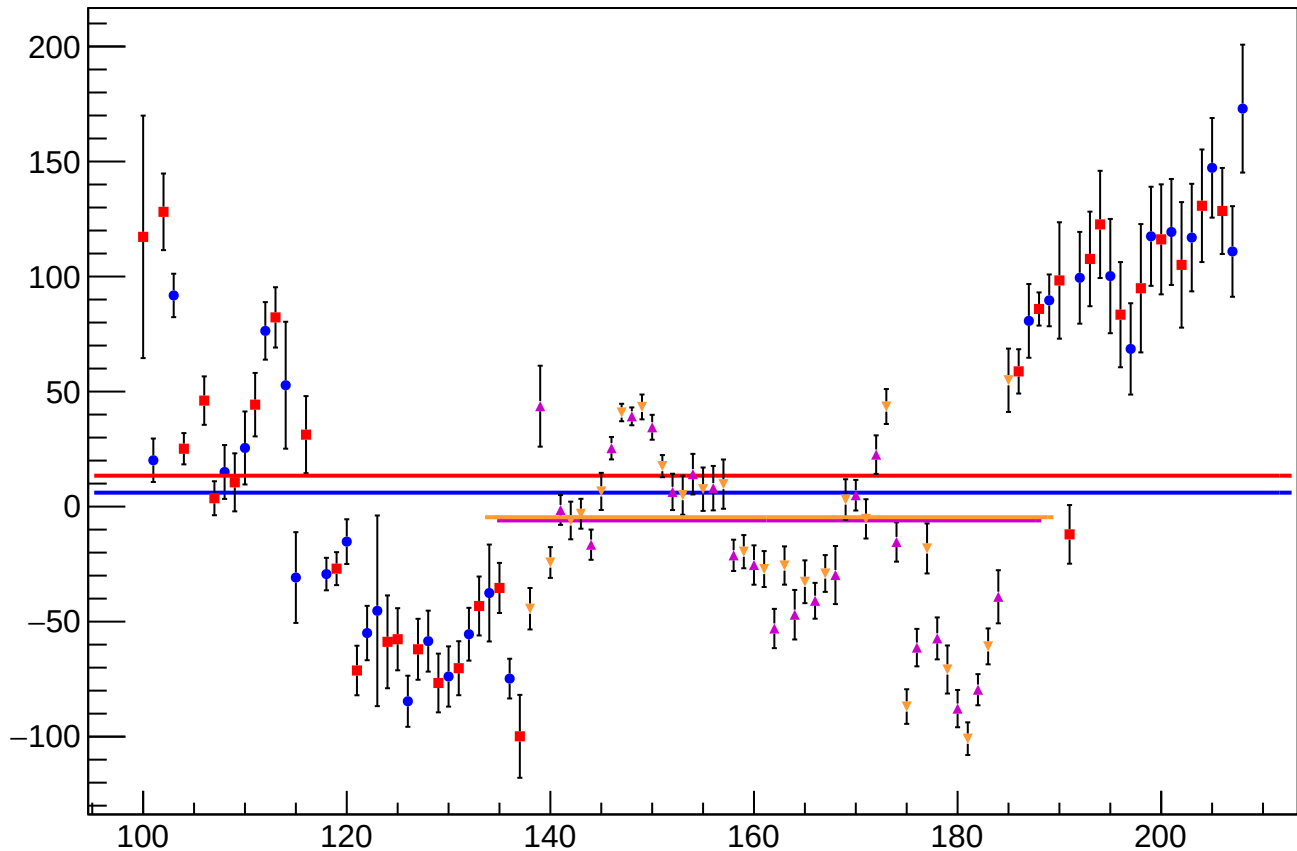
Left In: -393.113 $\pm$ 2.006 χ^2/NDF :2253.3/22

+ sign -412.275 $\pm$ 1.794 χ^2/NDF : 4342.1/35

All: -421.394 $\pm$ 1.246 χ^2/NDF : 12647.5/70

- sign -429.897 $\pm$ 1.733 χ^2/NDF : 8255.5/34

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 6.060 ± 2.535 χ^2/NDF : 734.6/27

Left Out: -4.624 ± 1.462 χ^2/NDF : 772.9/24

Right Out: 13.433 ± 2.239 χ^2/NDF : 736.1/30

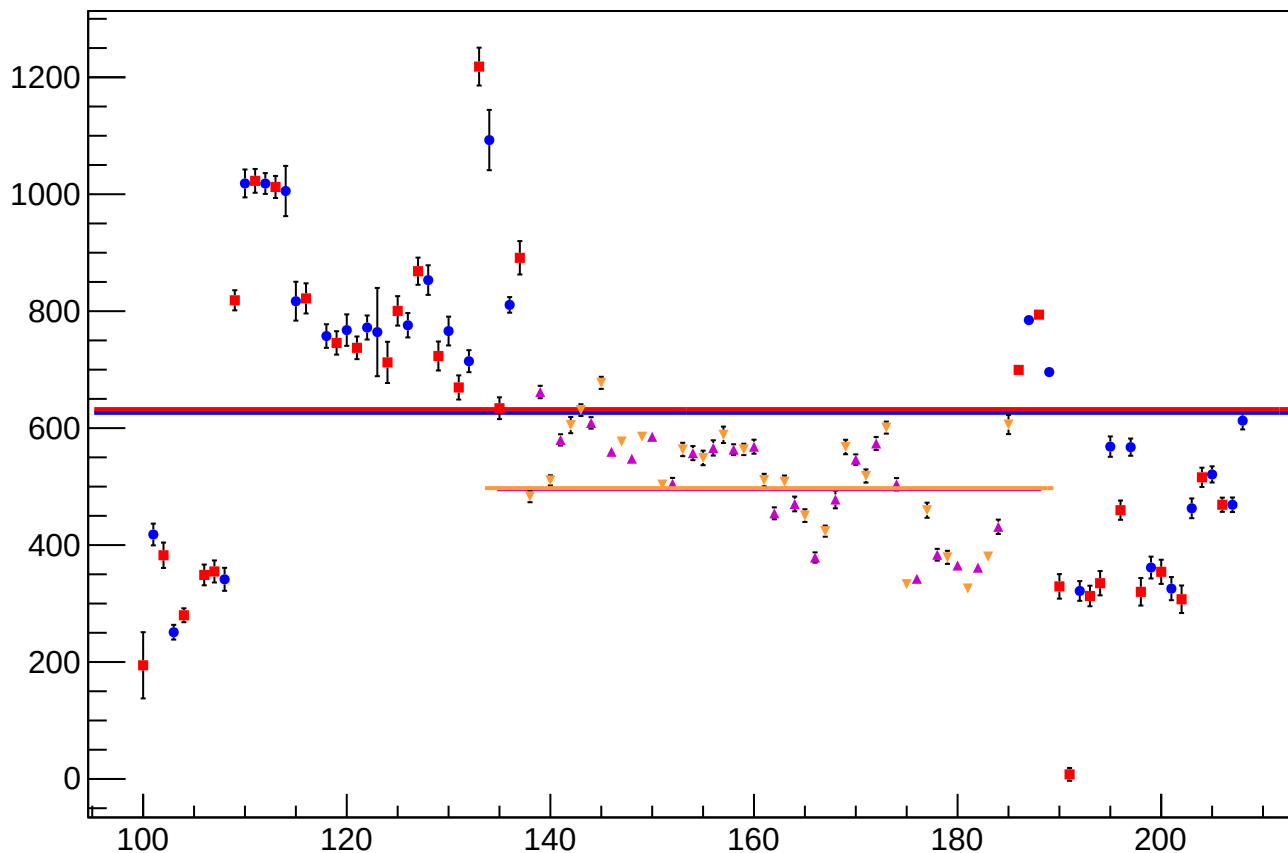
Left In: -6.019 ± 1.516 χ^2/NDF : 654.1/22

+ sign -1.957 ± 1.267 χ^2/NDF : 1520.8/52

All: -0.921 ± 0.892 χ^2/NDF : 2964.0/106

- sign 0.096 ± 1.255 χ^2/NDF : 1441.9/53

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 626.197 $\pm$ 3.090 χ^2 /NDF: 4212.8/27

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF:2614.6/24

Right Out: 632.592 $\pm$ 2.473 χ^2 /NDF: 9621.8/30

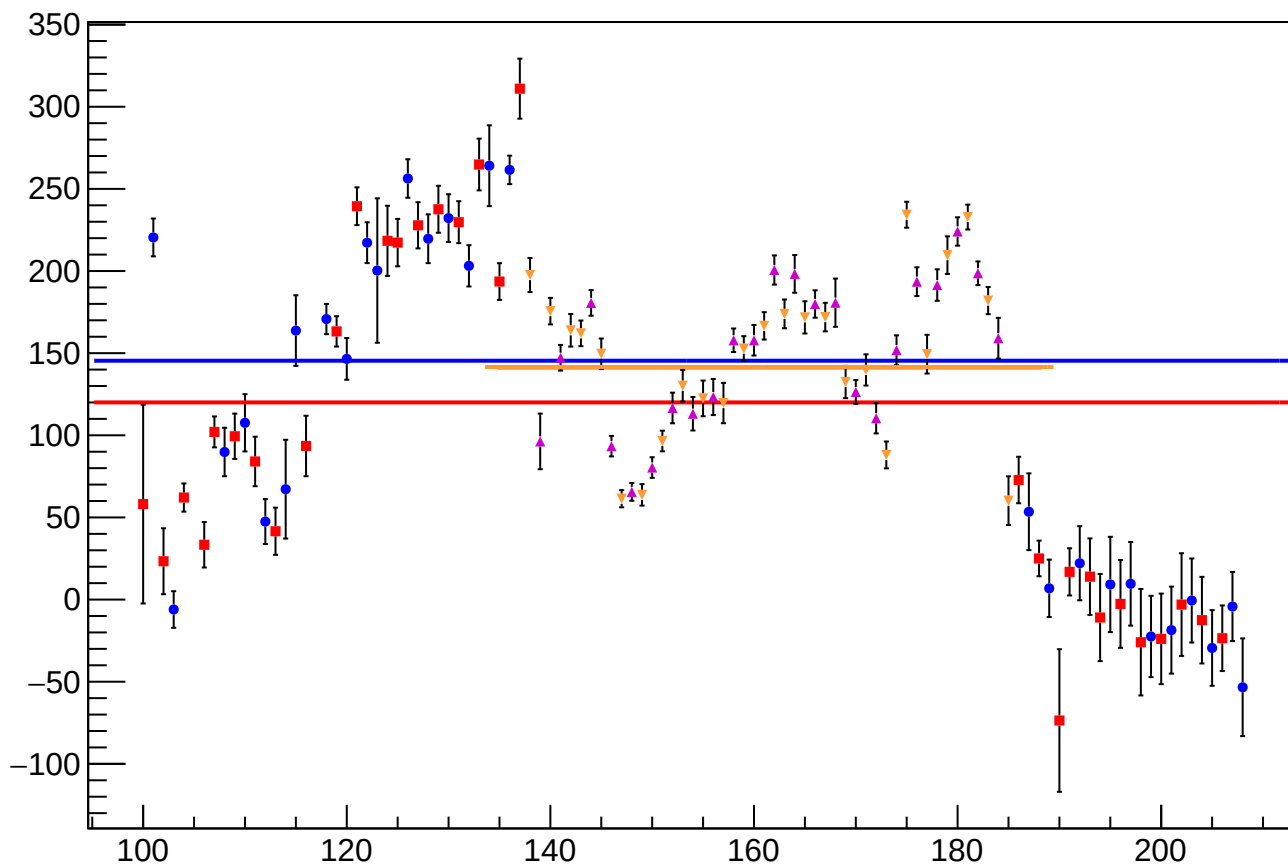
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF:2253.8/22

+ sign 534.502 $\pm$ 1.659 χ^2 /NDF: 8064.6/52

All: 542.468 $\pm$ 1.133 χ^2 /NDF: 21848.8/106

- sign 549.436 $\pm$ 1.551 χ^2 /NDF: 13740.9/53

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 145.399 $\pm$ 2.954 χ^2 /NDF: 1149.9/27

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

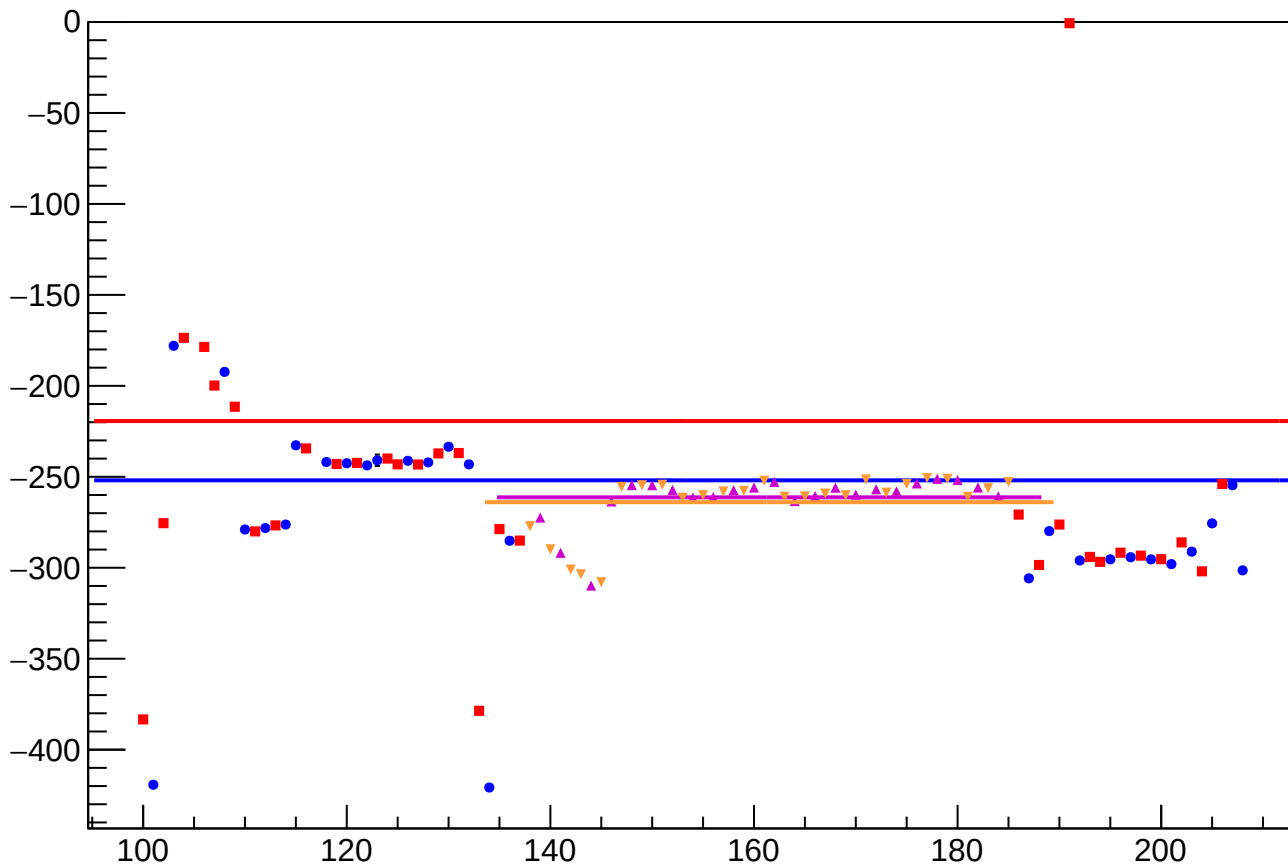
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF:741.2/22

+ sign 142.535 $\pm$ 1.472 χ^2 /NDF: 2110.8/52

All: 138.756 $\pm$ 1.039 χ^2 /NDF: 4061.6/106

- sign 135.015 $\pm$ 1.465 χ^2 /NDF: 1937.8/53

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -251.934 ± 0.137 χ^2/NDF : 196935.0/27

Left Out: -263.943 ± 0.081 χ^2/NDF : 39085.0/24

Right Out: -219.340 ± 0.123 χ^2/NDF : 492994.2/30

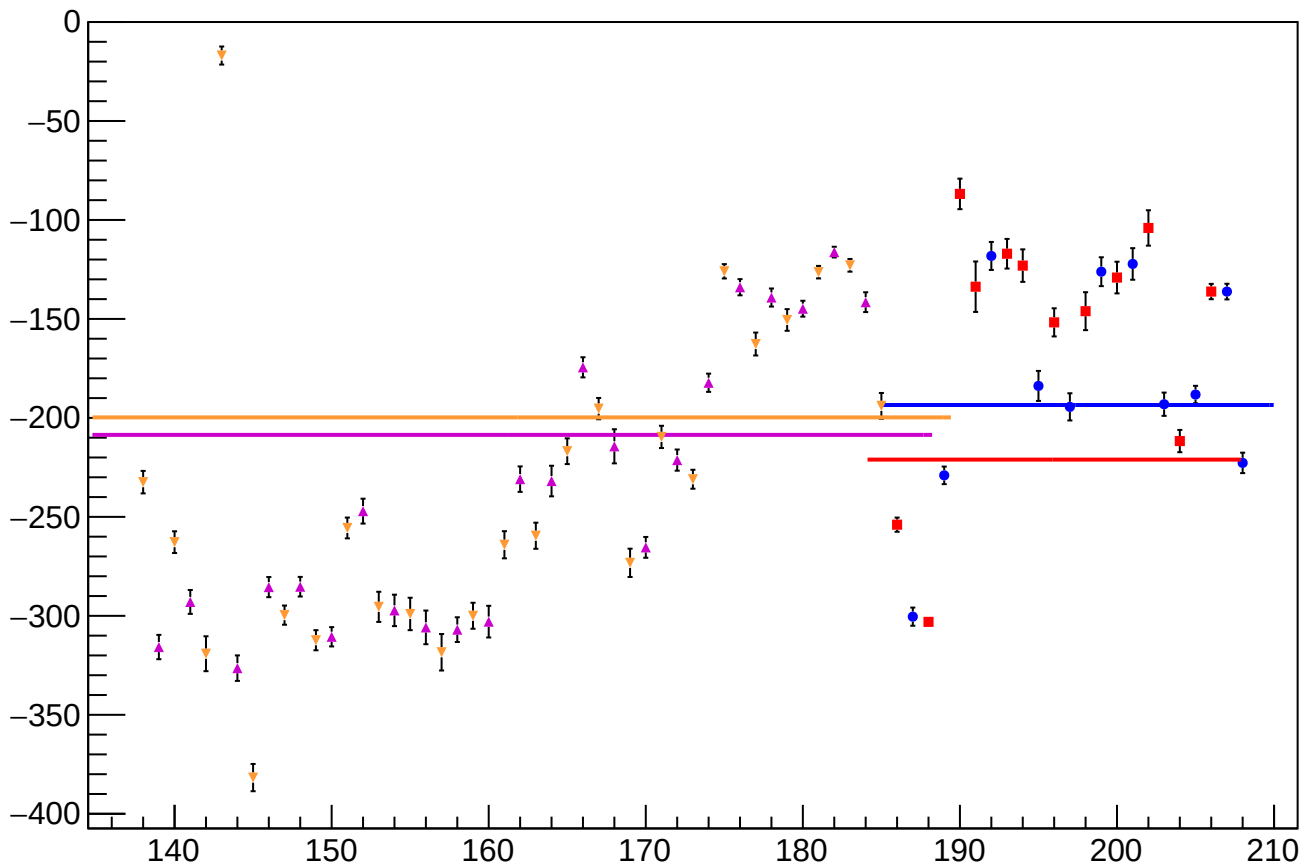
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -260.823 ± 0.070 χ^2/NDF : 241697.3/52

All: -254.459 ± 0.049 χ^2/NDF : 854692.4/106

- sign -248.396 ± 0.068 χ^2/NDF : 596808.4/53

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -193.484 ± 1.637 $\chi^2/\text{NDF}: 1129.9/10$

Left Out: -199.741 ± 1.061 $\chi^2/\text{NDF}: 6361.5/24$

Right Out: -221.069 ± 1.461 $\chi^2/\text{NDF}: 2907.5/11$

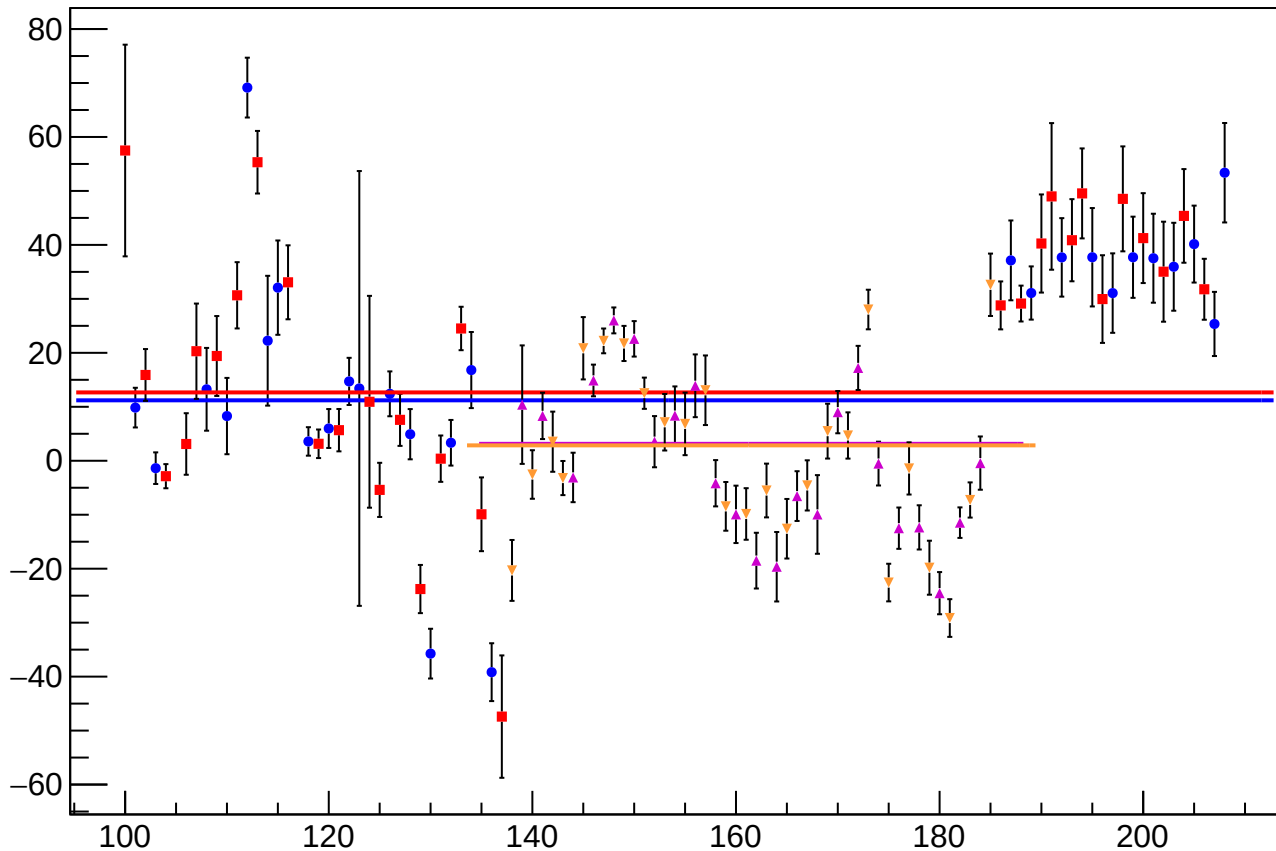
Left In: -208.579 ± 1.082 $\chi^2/\text{NDF}: 4805.1/22$

+ sign -197.890 ± 0.890 $\chi^2/\text{NDF}: 7501.7/35$

All: -205.624 ± 0.622 $\chi^2/\text{NDF}: 15408.8/70$

- sign -213.003 ± 0.870 $\chi^2/\text{NDF}: 7759.8/34$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 11.199 ± 0.985 $\chi^2/\text{NDF}: 476.3/27$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 12.664 ± 0.928 $\chi^2/\text{NDF}: 431.2/30$

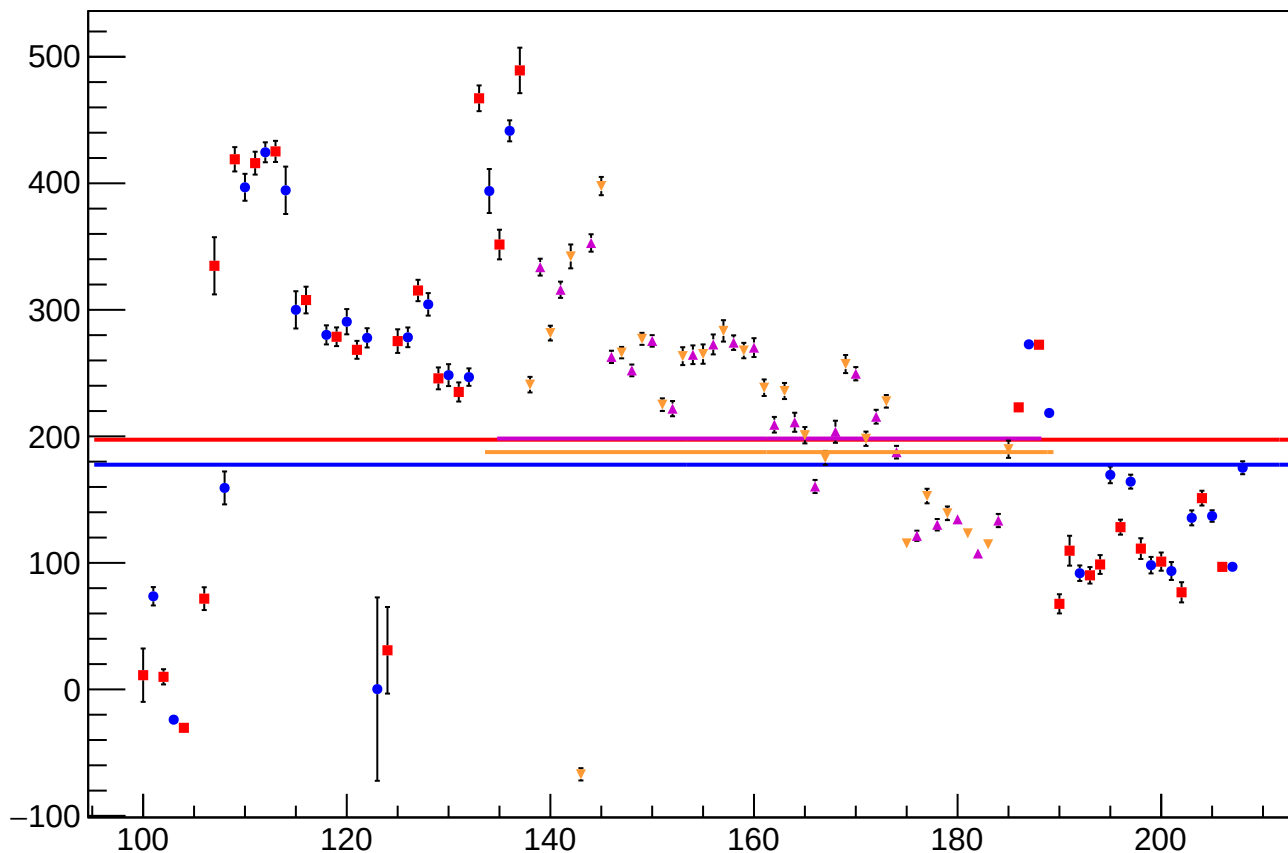
Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

+ sign 6.271 ± 0.630 $\chi^2/\text{NDF}: 938.6/52$

All: 6.895 ± 0.445 $\chi^2/\text{NDF}: 1748.4/106$

- sign 7.517 ± 0.630 $\chi^2/\text{NDF}: 807.9/53$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 177.596 ± 1.190 $\chi^2/\text{NDF}: 8684.6/27$

Left Out: 187.565 ± 1.066 $\chi^2/\text{NDF}: 7082.0/24$

Right Out: 197.362 ± 1.046 $\chi^2/\text{NDF}: 12130.9/30$

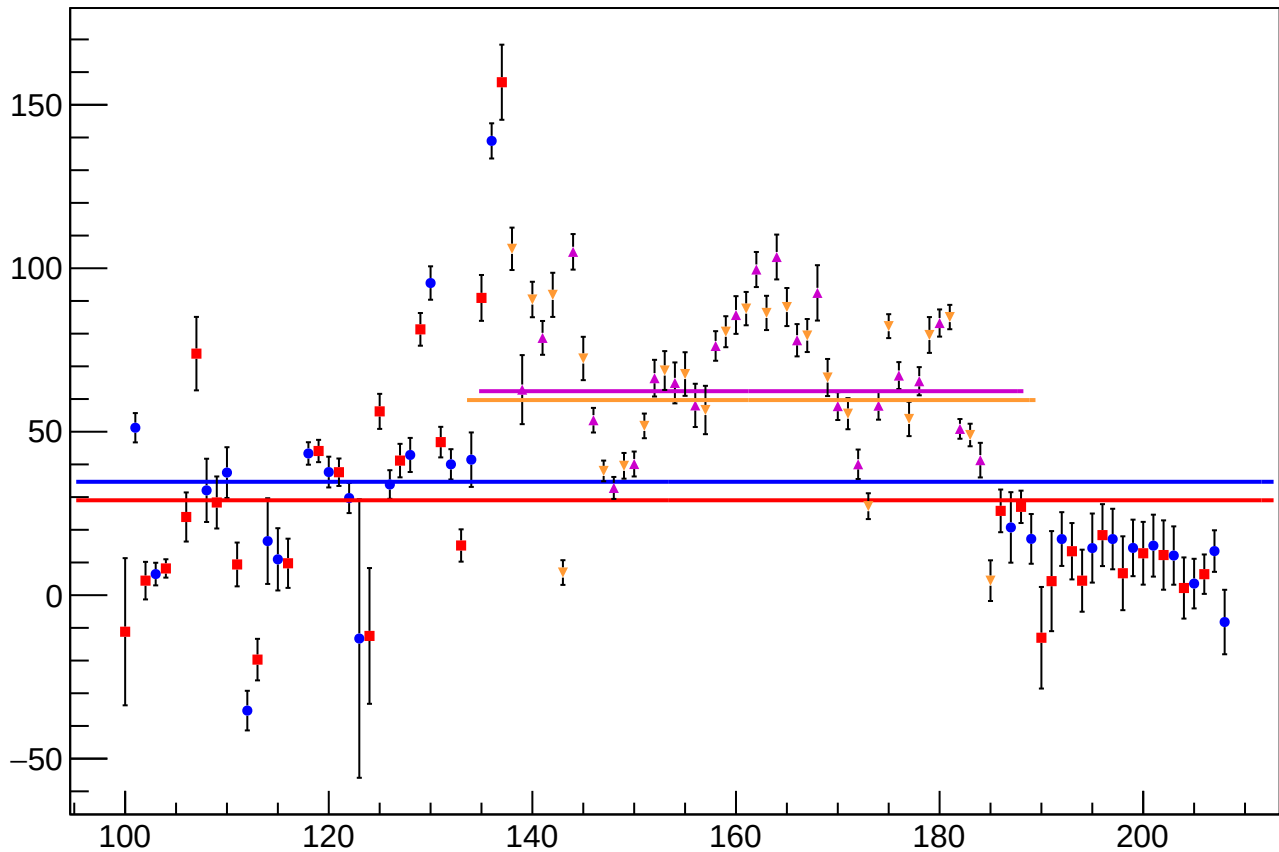
Left In: 198.269 ± 1.082 $\chi^2/\text{NDF}: 4515.8/22$

+ sign 183.127 ± 0.794 $\chi^2/\text{NDF}: 15805.5/52$

All: 190.861 ± 0.546 $\chi^2/\text{NDF}: 32632.6/106$

- sign 197.800 ± 0.752 $\chi^2/\text{NDF}: 16647.0/53$

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 34.685 $\pm$ 1.150 χ^2/NDF : 834.2/27

Left Out: 59.682 $\pm$ 0.941 χ^2/NDF : 757.6/24

Right Out: 29.028 $\pm$ 1.109 χ^2/NDF : 612.5/30

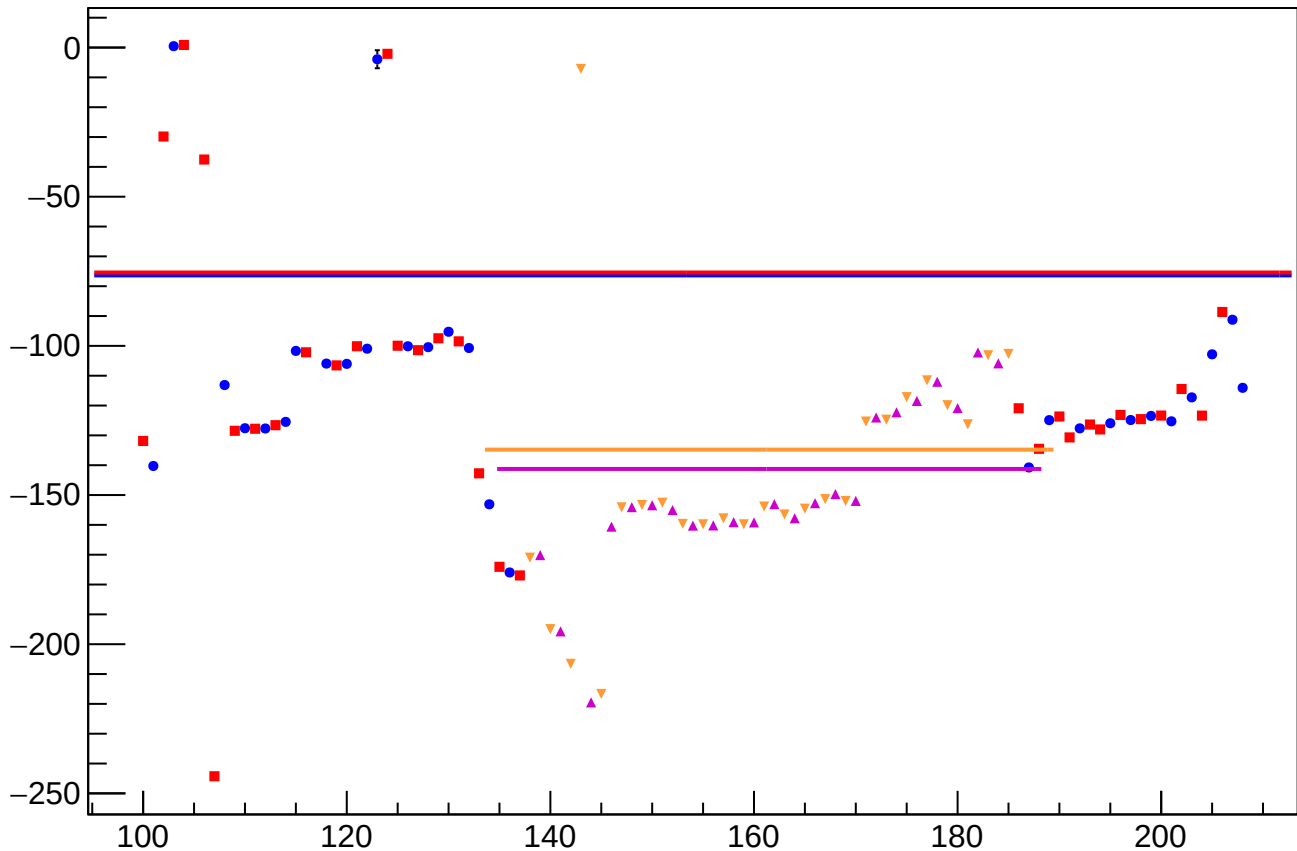
Left In: 62.400 $\pm$ 0.974 χ^2/NDF : 406.3/22

+ sign 49.664 $\pm$ 0.728 χ^2/NDF : 1874.7/52

All: 48.773 $\pm$ 0.516 χ^2/NDF : 3407.4/106

- sign 47.872 $\pm$ 0.732 χ^2/NDF : 1529.6/53

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -76.374 ± 0.051 χ^2/NDF : 1412592.8/27

Left Out: -134.780 ± 0.045 χ^2/NDF : 804747.3/24

Right Out: -75.405 ± 0.050 χ^2/NDF : 1395320.3/30

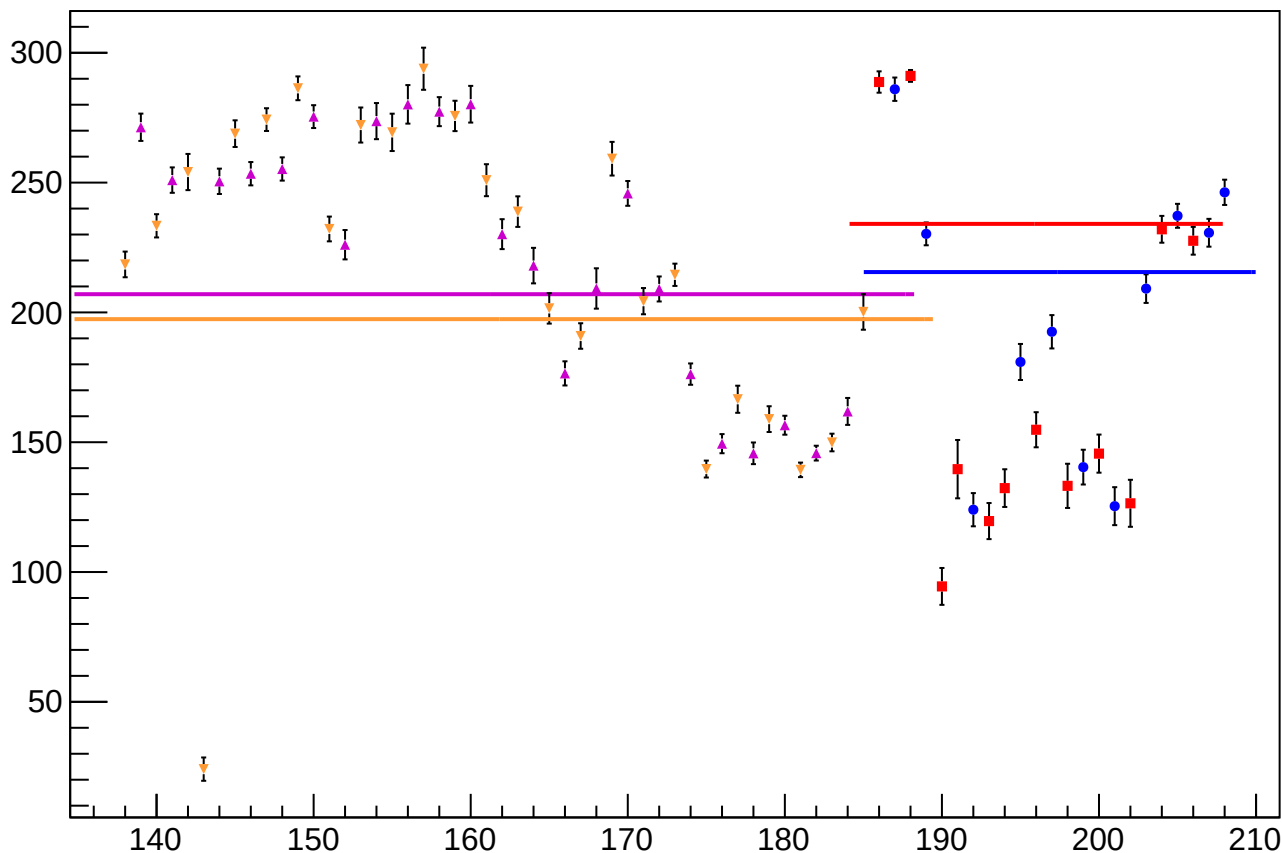
Left In: -141.255 ± 0.045 χ^2/NDF : 347229.8/22

+ sign -109.723 ± 0.034 χ^2/NDF : 2956268.5/52

All: -110.597 ± 0.024 χ^2/NDF : 5656512.8/10

- sign -111.465 ± 0.034 χ^2/NDF : 2698898.7/53

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 215.540 $\pm$ 1.647 χ^2 /NDF: 848.1/10

Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF: 4384.2/24

Right Out: 234.097 $\pm$ 1.478 χ^2 /NDF: 2293.7/11

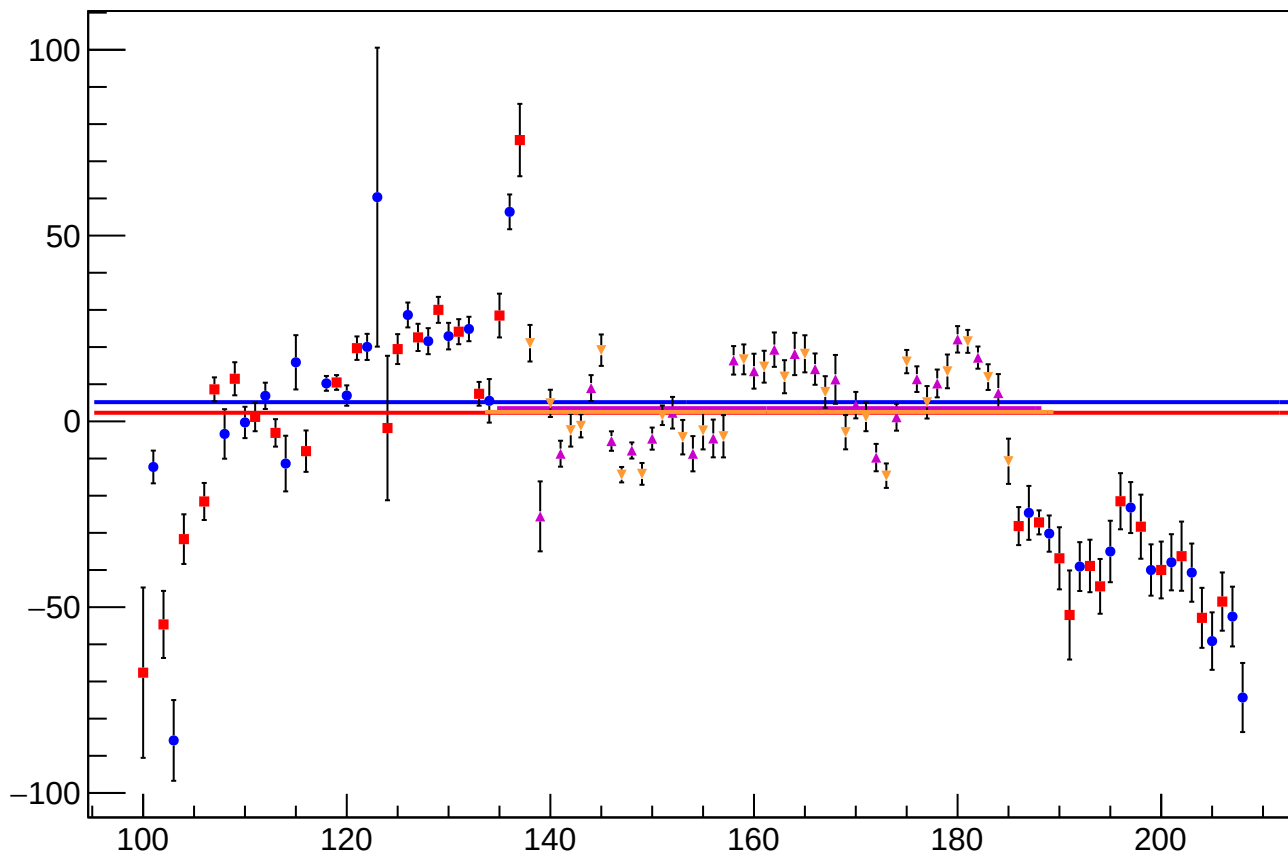
Left In: 207.014 $\pm$ 0.990 χ^2 /NDF: 2611.5/22

+ sign 202.027 $\pm$ 0.831 χ^2 /NDF: 5322.6/35

All: 208.787 $\pm$ 0.585 χ^2 /NDF: 10590.6/70

- sign 215.407 $\pm$ 0.823 χ^2 /NDF: 5137.0/34

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 5.175 ± 0.859 χ^2/NDF : 833.1/27

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 2.322 ± 0.822 χ^2/NDF : 786.1/30

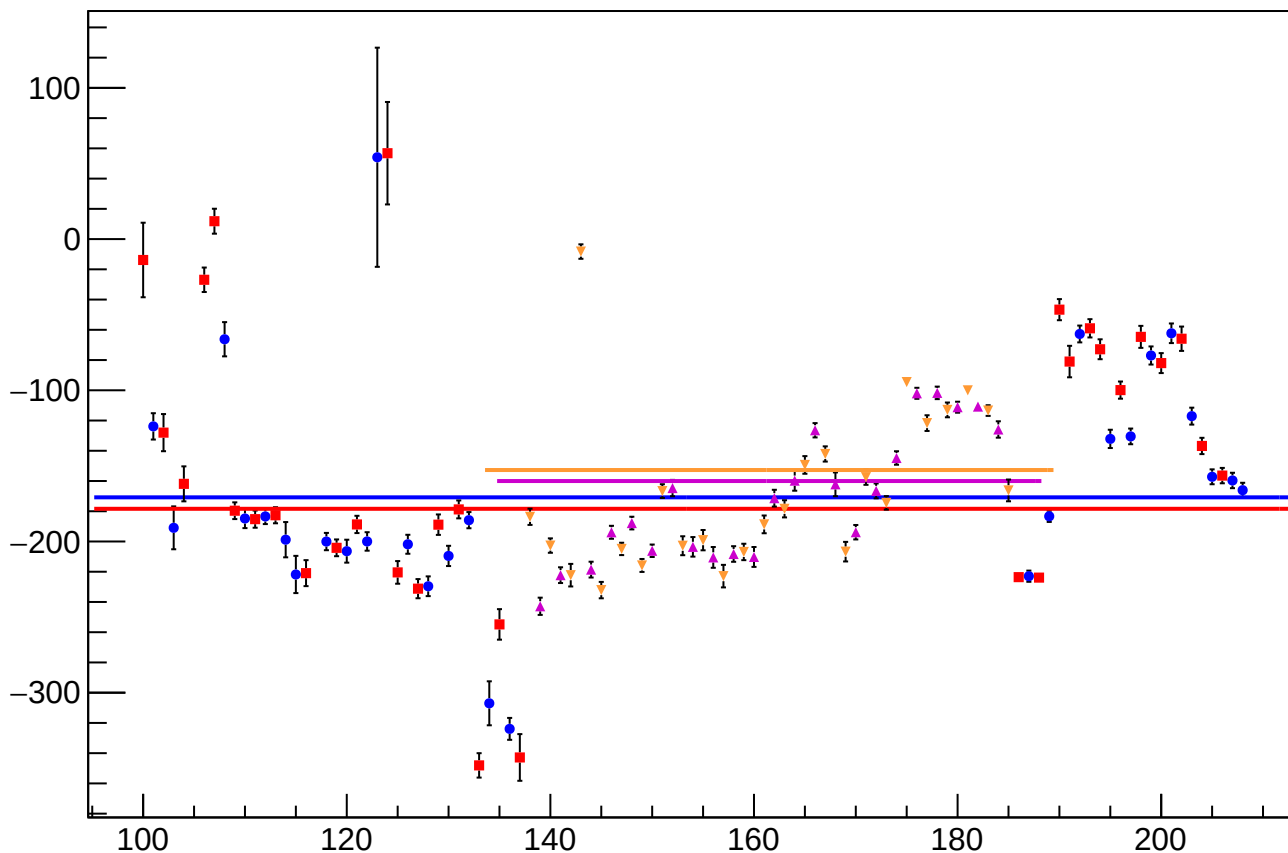
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 3.668 ± 0.561 χ^2/NDF : 1113.9/52

All: 3.325 ± 0.398 χ^2/NDF : 2094.0/106

- sign 2.978 ± 0.564 χ^2/NDF : 979.3/53

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -170.802 ± 1.150 $\chi^2/\text{NDF}: 2231.9/27$

Left Out: -152.738 ± 0.967 $\chi^2/\text{NDF}: 3077.8/24$

Right Out: -178.379 ± 1.012 $\chi^2/\text{NDF}: 4578.3/30$

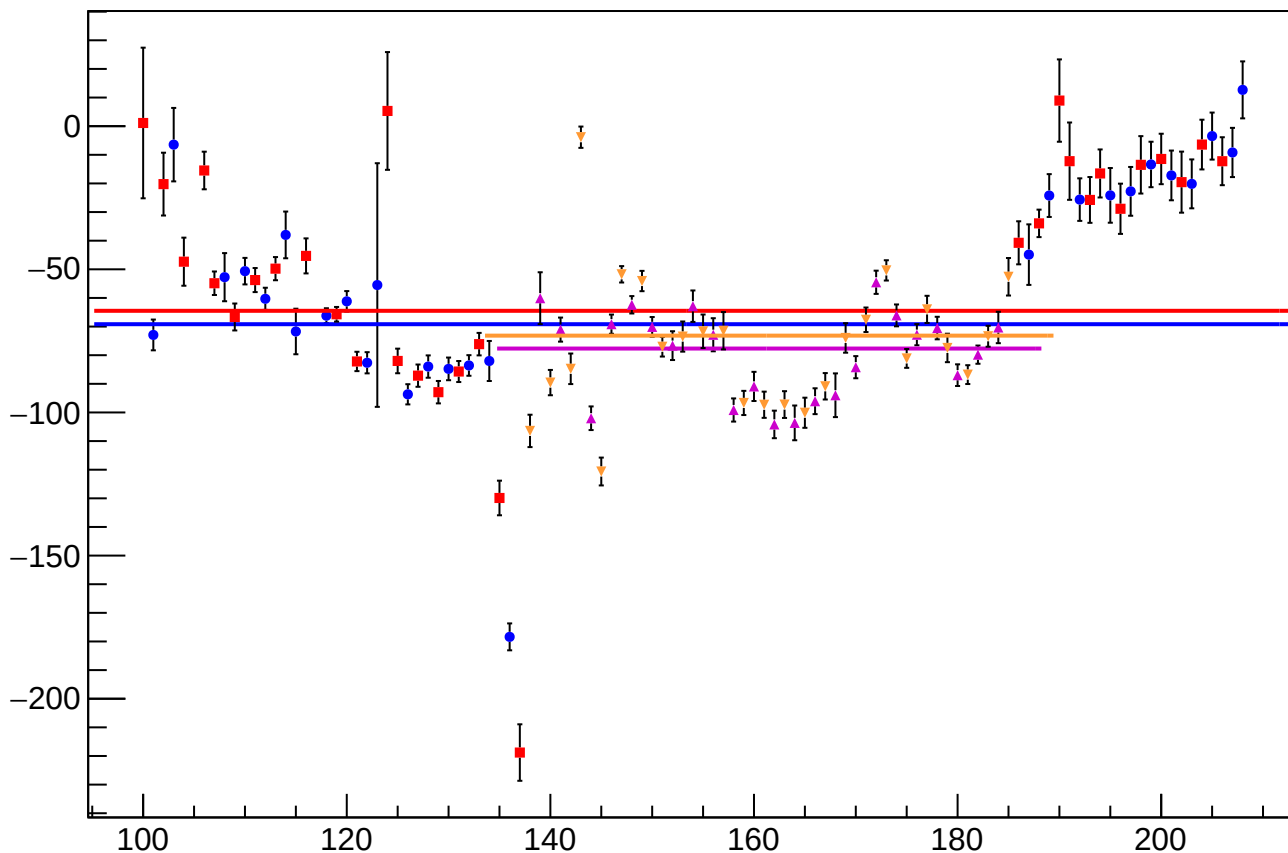
Left In: -160.021 ± 0.989 $\chi^2/\text{NDF}: 2024.4/22$

+ sign -160.222 ± 0.740 $\chi^2/\text{NDF}: 5454.3/52$

All: -164.800 ± 0.511 $\chi^2/\text{NDF}: 12298.5/106$

- sign -168.983 ± 0.707 $\chi^2/\text{NDF}: 6771.0/53$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -69.173 ± 0.999 $\chi^2/\text{NDF}: 1147.2/27$

Left Out: -73.165 ± 0.851 $\chi^2/\text{NDF}: 788.6/24$

Right Out: -64.494 ± 0.965 $\chi^2/\text{NDF}: 991.4/30$

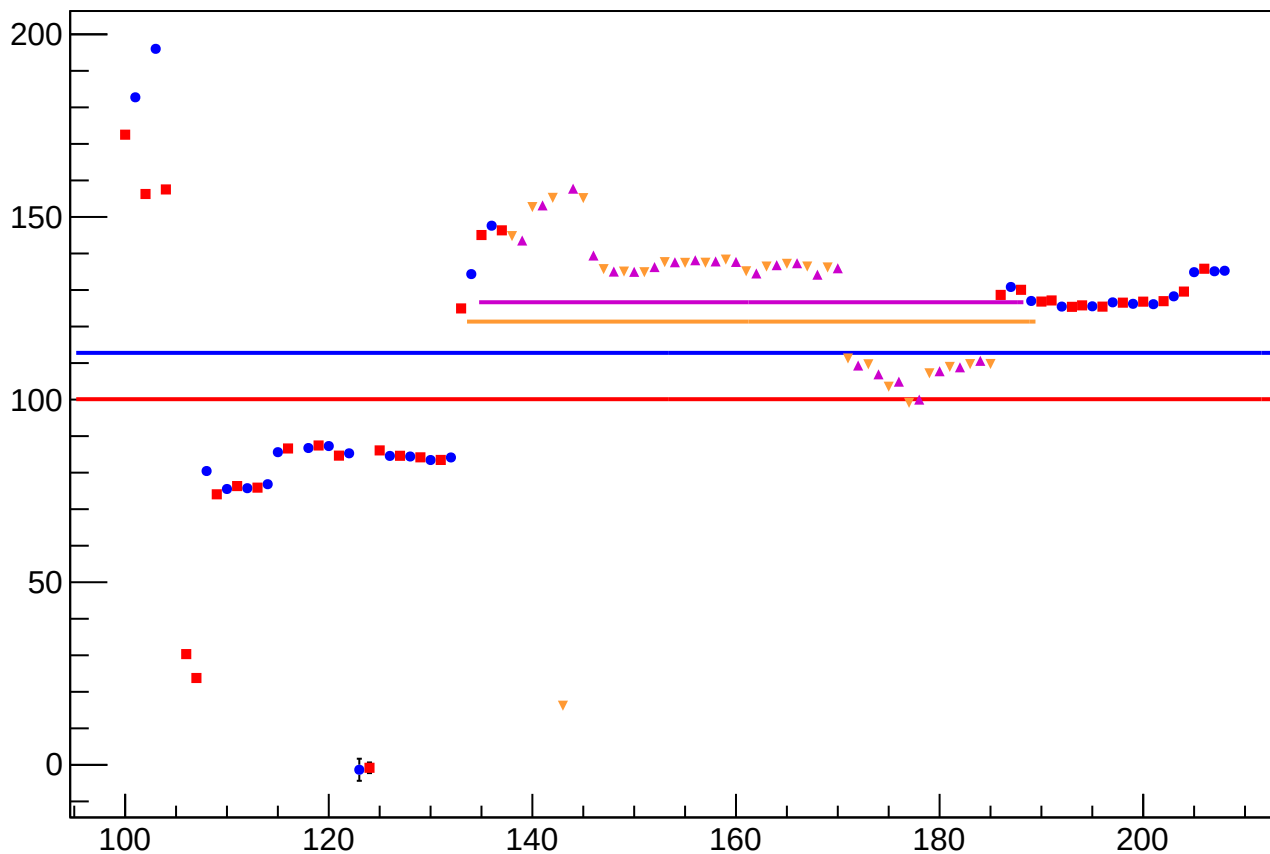
Left In: -77.678 ± 0.883 $\chi^2/\text{NDF}: 248.3/22$

+ sign -71.486 ± 0.648 $\chi^2/\text{NDF}: 1945.1/52$

All: -71.578 ± 0.459 $\chi^2/\text{NDF}: 3286.4/106$

- sign -71.670 ± 0.651 $\chi^2/\text{NDF}: 1341.2/53$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 112.794 +/- 0.056 χ^2/NDF : 318998.9/27

Left Out: 121.356 +/- 0.040 χ^2/NDF : 481977.3/24

Right Out: 100.111 +/- 0.051 χ^2/NDF : 581070.5/30

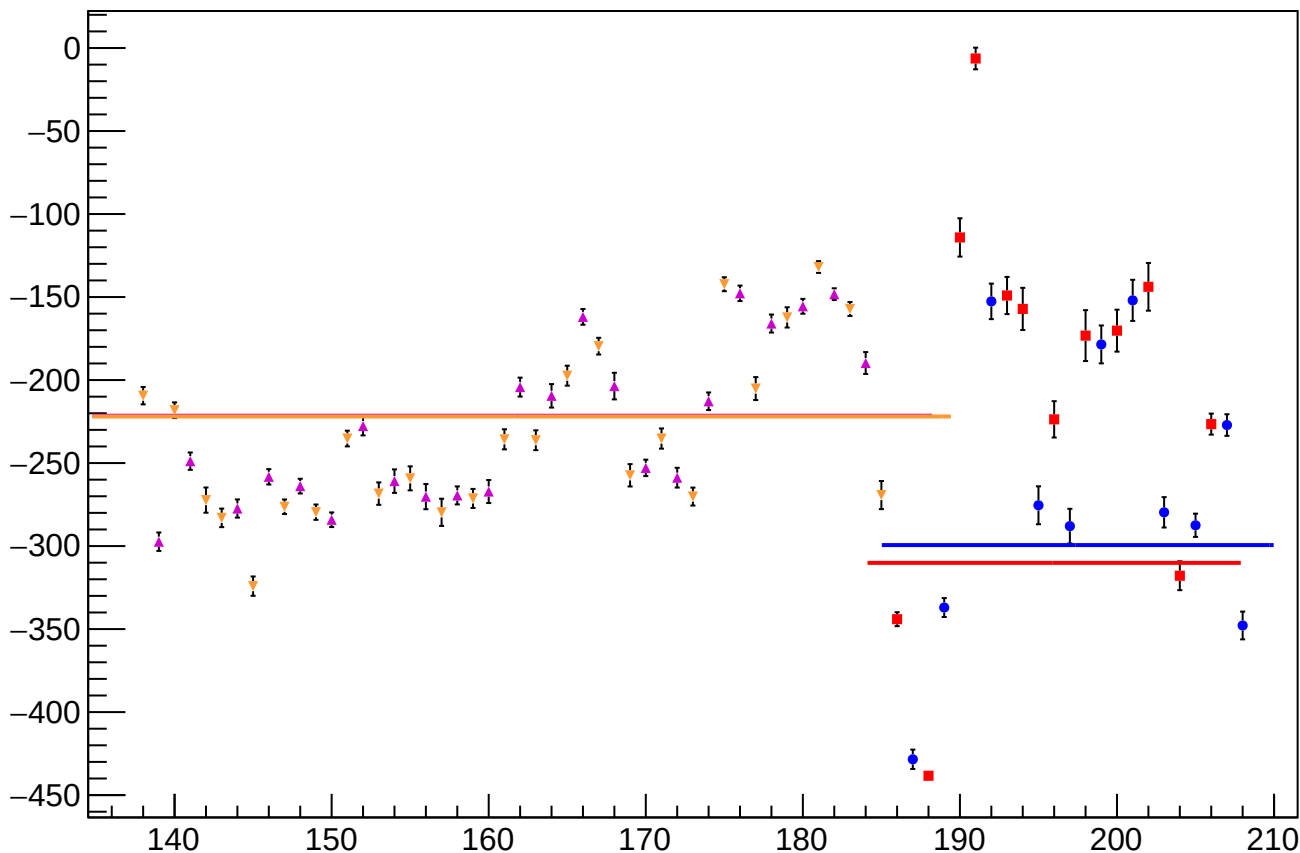
Left In: 126.653 +/- 0.041 χ^2/NDF : 163046.1/22

+ sign 118.430 +/- 0.033 χ^2/NDF : 816397.9/52

All: 117.338 +/- 0.023 χ^2/NDF : 1725741.8/100

- sign 116.288 +/- 0.032 χ^2/NDF : 907158.0/53

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -299.403 ± 2.423 χ^2/NDF : 1145.3/10

Left Out: -221.934 ± 1.084 χ^2/NDF : 2578.4/24

Right Out: -310.107 ± 1.917 χ^2/NDF : 5234.4/11

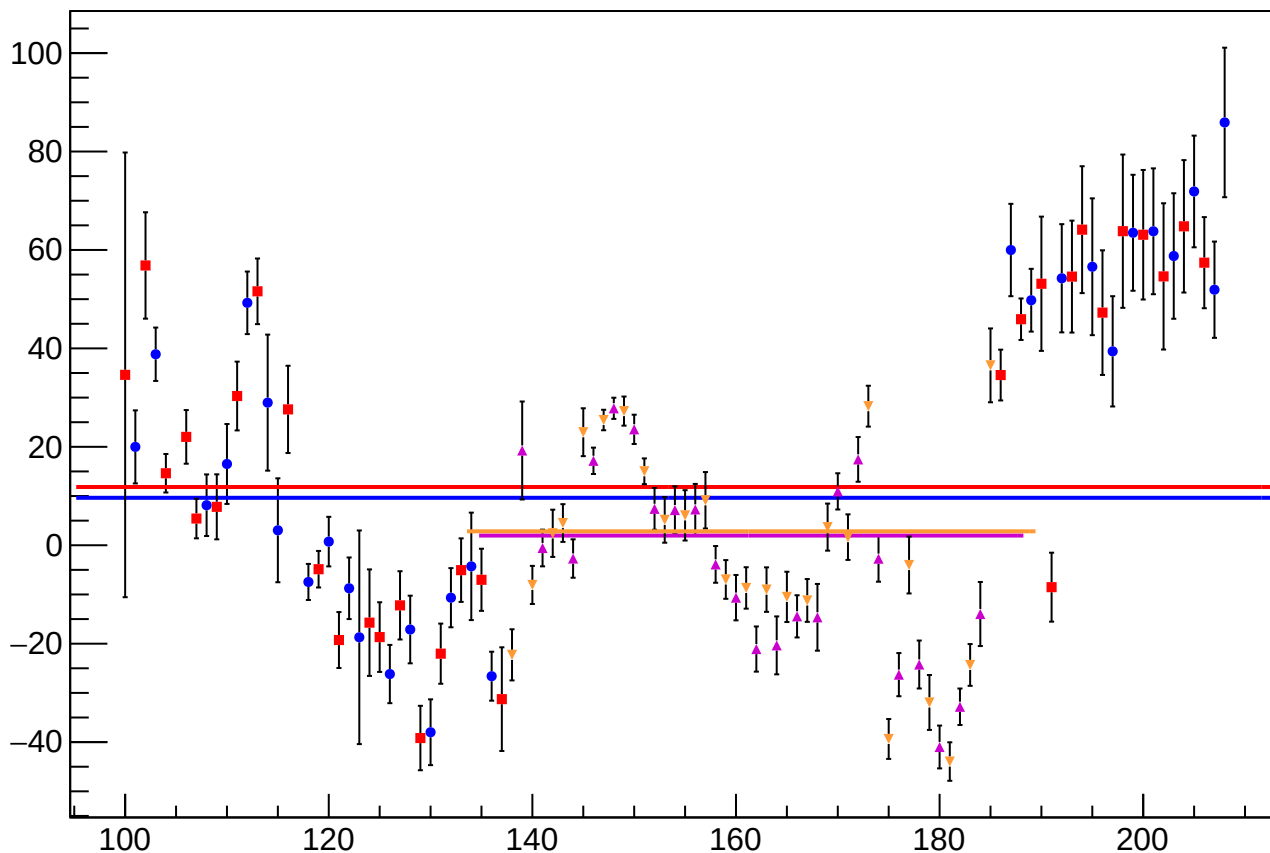
Left In: -221.483 ± 1.102 χ^2/NDF : 2149.8/22

+ sign -234.861 ± 0.990 χ^2/NDF : 4575.2/35

All: -239.330 ± 0.687 χ^2/NDF : 13604.5/70

- sign -243.495 ± 0.956 χ^2/NDF : 8989.9/34

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 9.643 ± 1.385 $\chi^2/\text{NDF}: 507.8/27$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 11.835 ± 1.212 $\chi^2/\text{NDF}: 496.6/30$

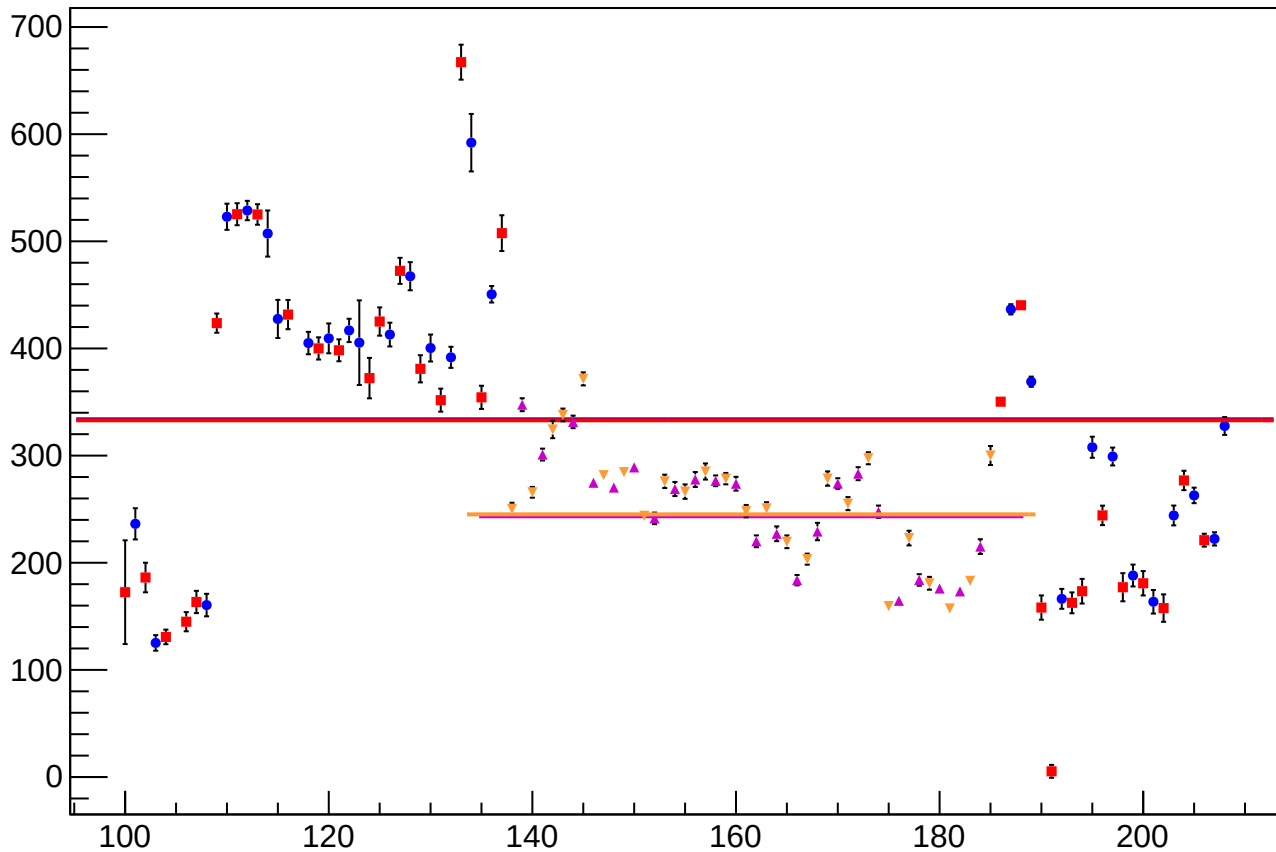
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 4.559 ± 0.697 $\chi^2/\text{NDF}: 1212.7/52$

All: 4.855 ± 0.490 $\chi^2/\text{NDF}: 2343.7/106$

- sign 5.143 ± 0.688 $\chi^2/\text{NDF}: 1130.6/53$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 333.840 $\pm$ 1.709 χ^2 /NDF: 4436.8/27

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

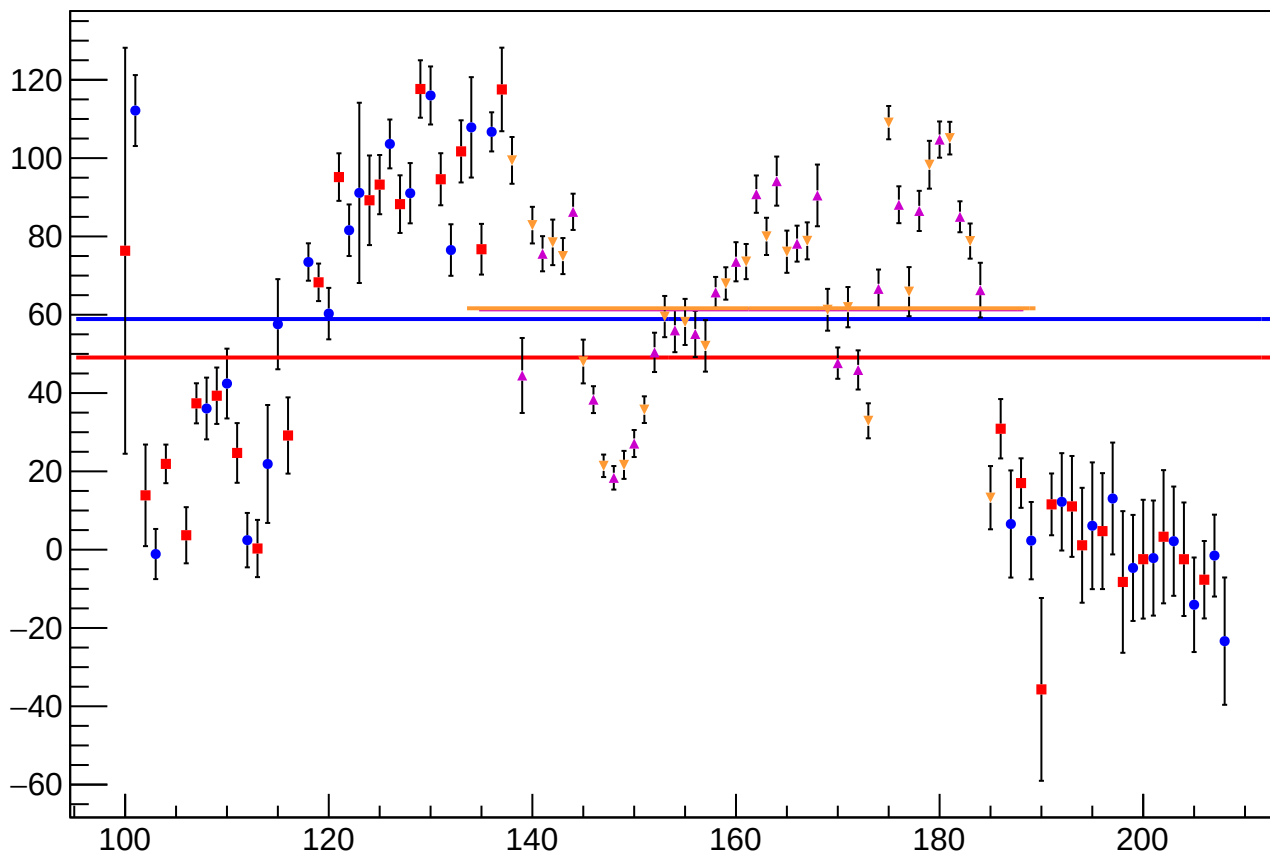
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF: 2236.7/22

+ sign 270.549 $\pm$ 0.914 χ^2 /NDF: 8955.4/52

All: 274.675 $\pm$ 0.624 χ^2 /NDF: 23913.2/106

- sign 278.280 $\pm$ 0.854 χ^2 /NDF: 14919.6/53

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 58.902 $\pm$ 1.610 χ^2 /NDF: 704.9/27

Left Out: 61.647 $\pm$ 0.936 χ^2 /NDF:871.5/24

Right Out: 49.077 $\pm$ 1.449 χ^2 /NDF: 700.2/30

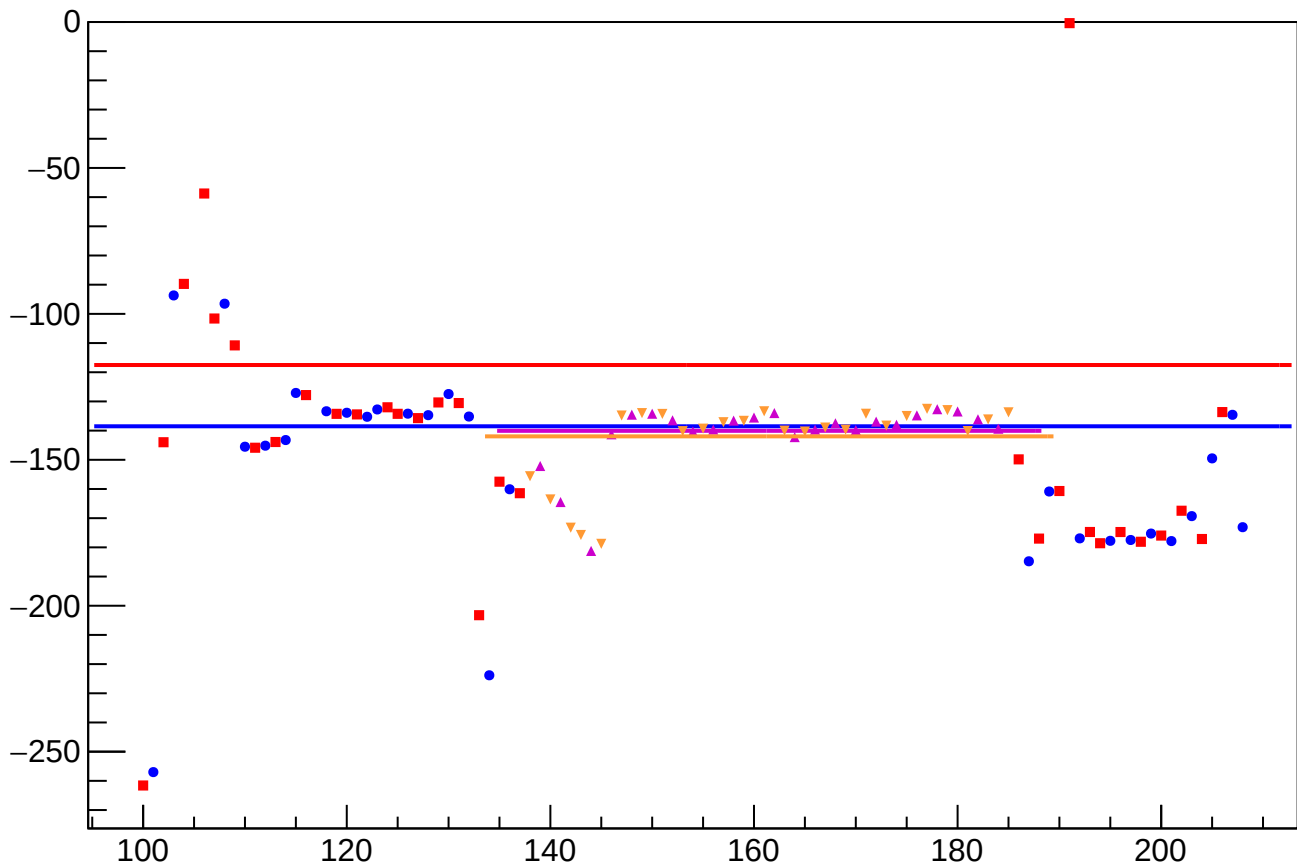
Left In: 61.375 $\pm$ 0.961 χ^2 /NDF:699.7/22

+ sign 60.954 $\pm$ 0.809 χ^2 /NDF: 1578.6/52

All: 59.269 $\pm$ 0.569 χ^2 /NDF: 3037.1/106

- sign 57.618 $\pm$ 0.801 χ^2 /NDF: 1449.9/53

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -138.516+/-0.076 $\chi^2/\text{NDF}: 235858.2/27$

Left Out: -141.969+/-0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -117.522+/-0.067 $\chi^2/\text{NDF}: 608697.7/30$

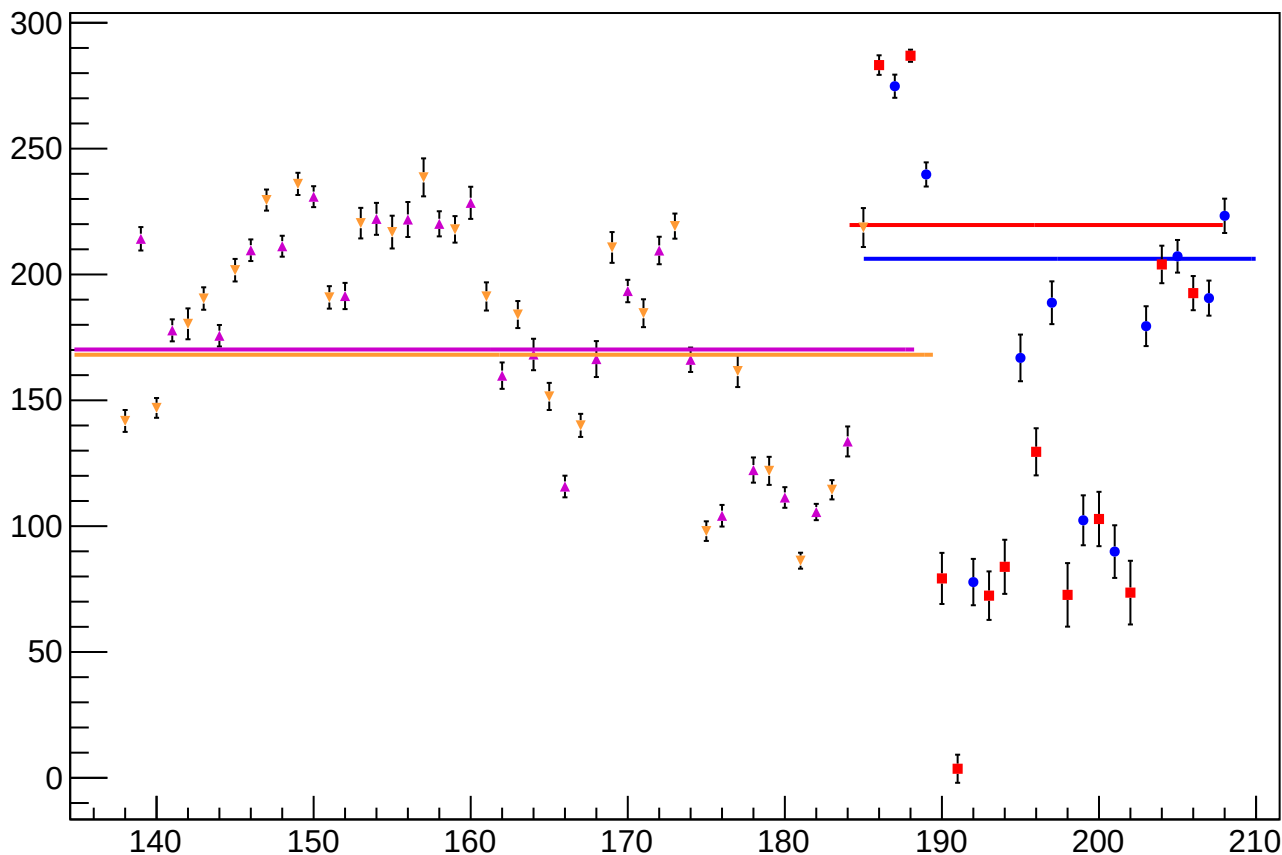
Left In: -140.068+/-0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -141.082+/-0.039 $\chi^2/\text{NDF}: 317643.0/52$

All: -136.988+/-0.027 $\chi^2/\text{NDF}: 1073617.2/10$

- sign -133.124+/-0.037 $\chi^2/\text{NDF}: 734033.5/53$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 206.235 $\pm$ 2.089 χ^2 /NDF: 743.8/10

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

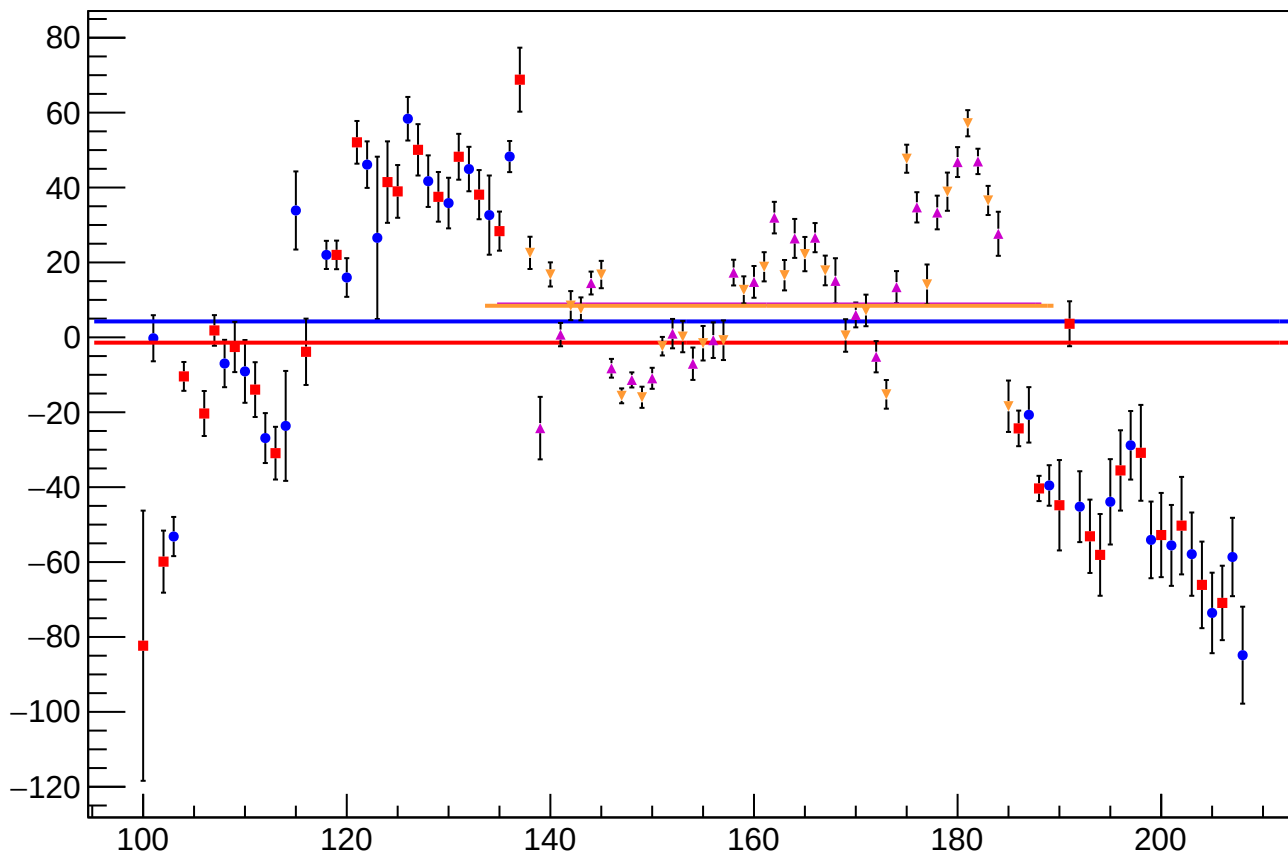
Left In: 170.198 $\pm$ 0.995 χ^2 /NDF:2024.5/22

+ sign 174.870 $\pm$ 0.880 χ^2 /NDF: 3486.5/35

All: 179.334 $\pm$ 0.612 χ^2 /NDF: 9851.1/70

- sign 183.508 $\pm$ 0.851 χ^2 /NDF: 6314.8/34

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 4.250 $\pm$ 1.318 χ^2/NDF : 903.9/27

Left Out: 8.436 $\pm$ 0.728 χ^2/NDF : 752.0/24

Right Out: -1.420 $\pm$ 1.156 χ^2/NDF : 914.1/30

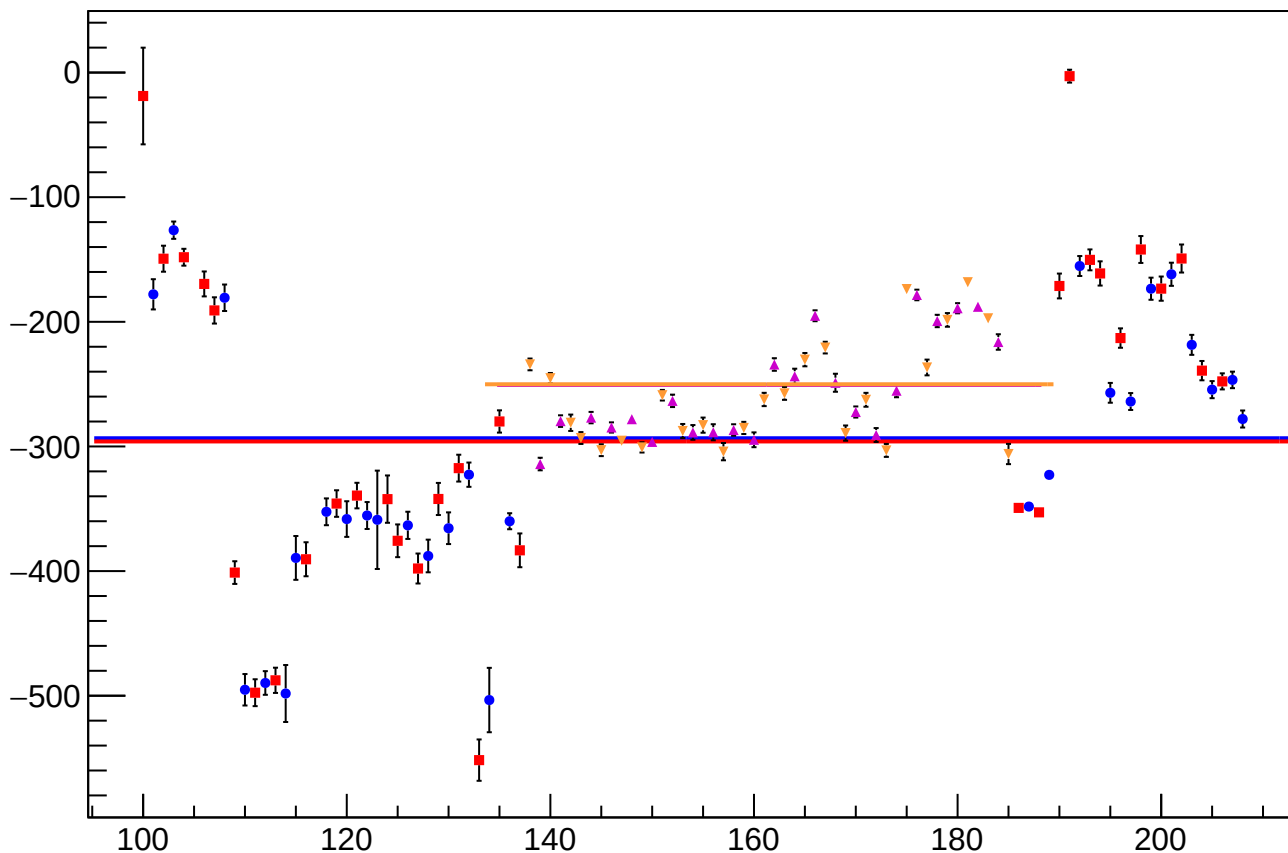
Left In: 8.769 $\pm$ 0.758 χ^2/NDF : 626.8/22

+ sign 7.457 $\pm$ 0.637 χ^2/NDF : 1663.7/52

All: 6.576 $\pm$ 0.449 χ^2/NDF : 3262.8/106

- sign 5.703 $\pm$ 0.634 χ^2/NDF : 1595.3/53

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -293.422+/-1.524 χ^2/NDF : 3131.1/27

Left Out: -250.119+/-0.972 χ^2/NDF : 2246.9/24

Right Out: -295.982+/-1.209 χ^2/NDF : 8109.9/30

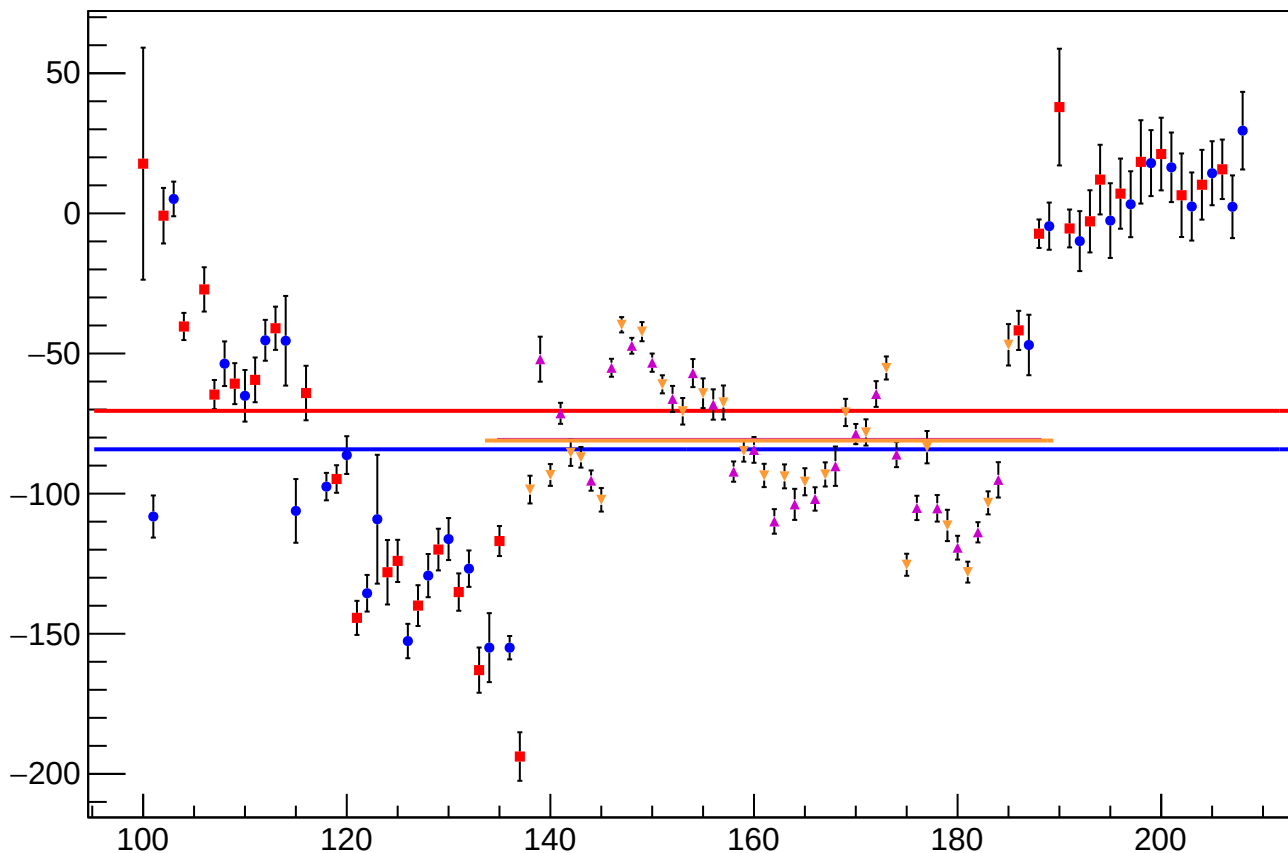
Left In: -250.628+/-0.990 χ^2/NDF : 1937.1/22

+ sign -262.642+/-0.820 χ^2/NDF : 5951.6/52

All: -265.955+/-0.560 χ^2/NDF : 16871.7/106

- sign -268.847+/-0.766 χ^2/NDF : 10889.5/53

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -84.185 ± 1.533 χ^2/NDF : 1523.1/27

Left Out: -81.057 ± 0.843 χ^2/NDF : 913.0/24

Right Out: -70.459 ± 1.388 χ^2/NDF : 1660.0/30

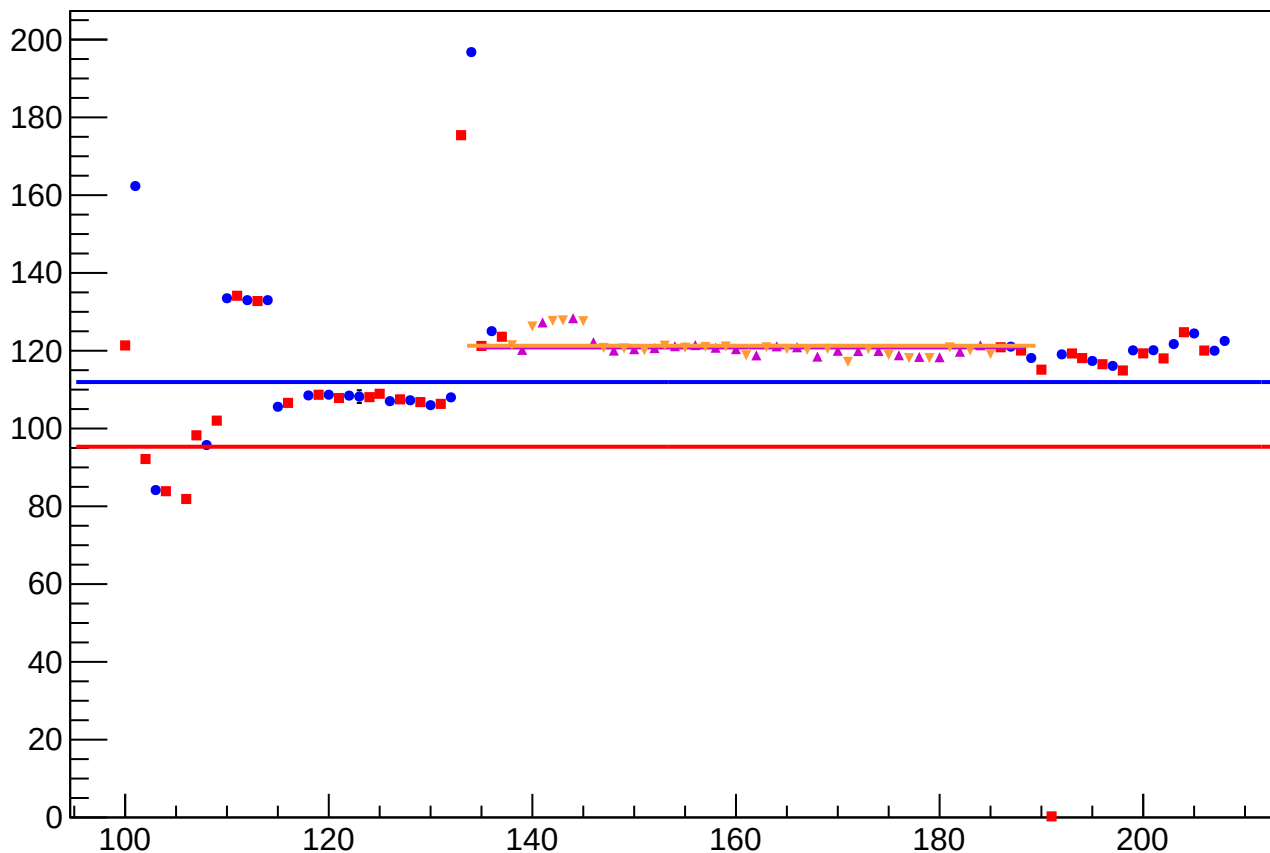
Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

+ sign -81.783 ± 0.739 χ^2/NDF : 2439.4/52

All: -79.839 ± 0.522 χ^2/NDF : 4846.4/106

- sign -77.898 ± 0.738 χ^2/NDF : 2393.2/53

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 111.948 $\pm$ 0.071 χ^2 /NDF: 78937.9/27

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

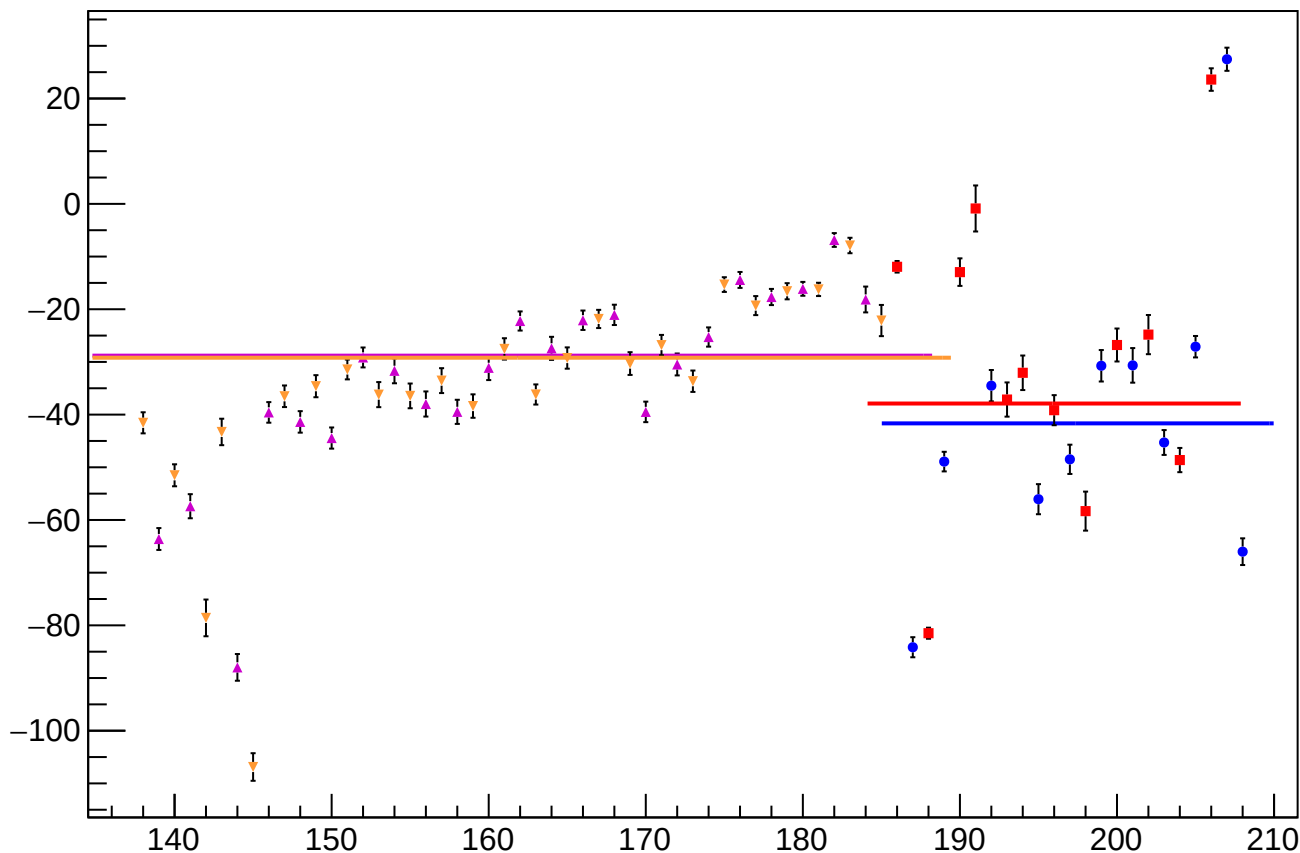
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 119.005 $\pm$ 0.035 χ^2 /NDF: 97100.1/52

All: 116.057 $\pm$ 0.024 χ^2 /NDF: 595127.4/106

- sign 113.239 $\pm$ 0.034 χ^2 /NDF: 484046.5/53

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -41.663 ± 0.722 $\chi^2/\text{NDF}: 1709.8/10$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -37.895 ± 0.587 $\chi^2/\text{NDF}: 3356.1/11$

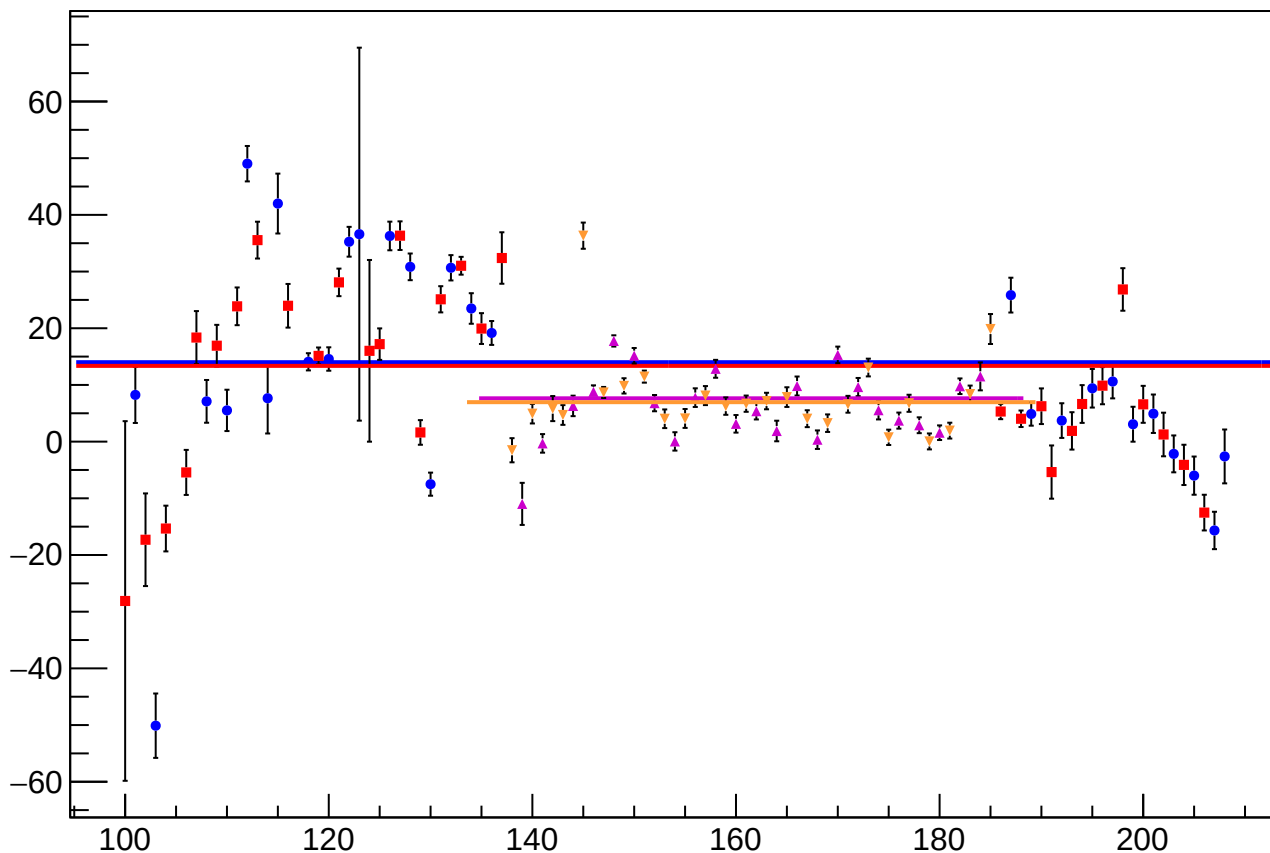
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -31.999 ± 0.342 $\chi^2/\text{NDF}: 3822.4/35$

All: -31.814 ± 0.237 $\chi^2/\text{NDF}: 9107.7/70$

- sign -31.645 ± 0.328 $\chi^2/\text{NDF}: 5284.7/34$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.012 $\pm$ 0.535 χ^2 /NDF: 894.7/27

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF:321.3/24

Right Out: 13.363 $\pm$ 0.484 χ^2 /NDF: 716.9/30

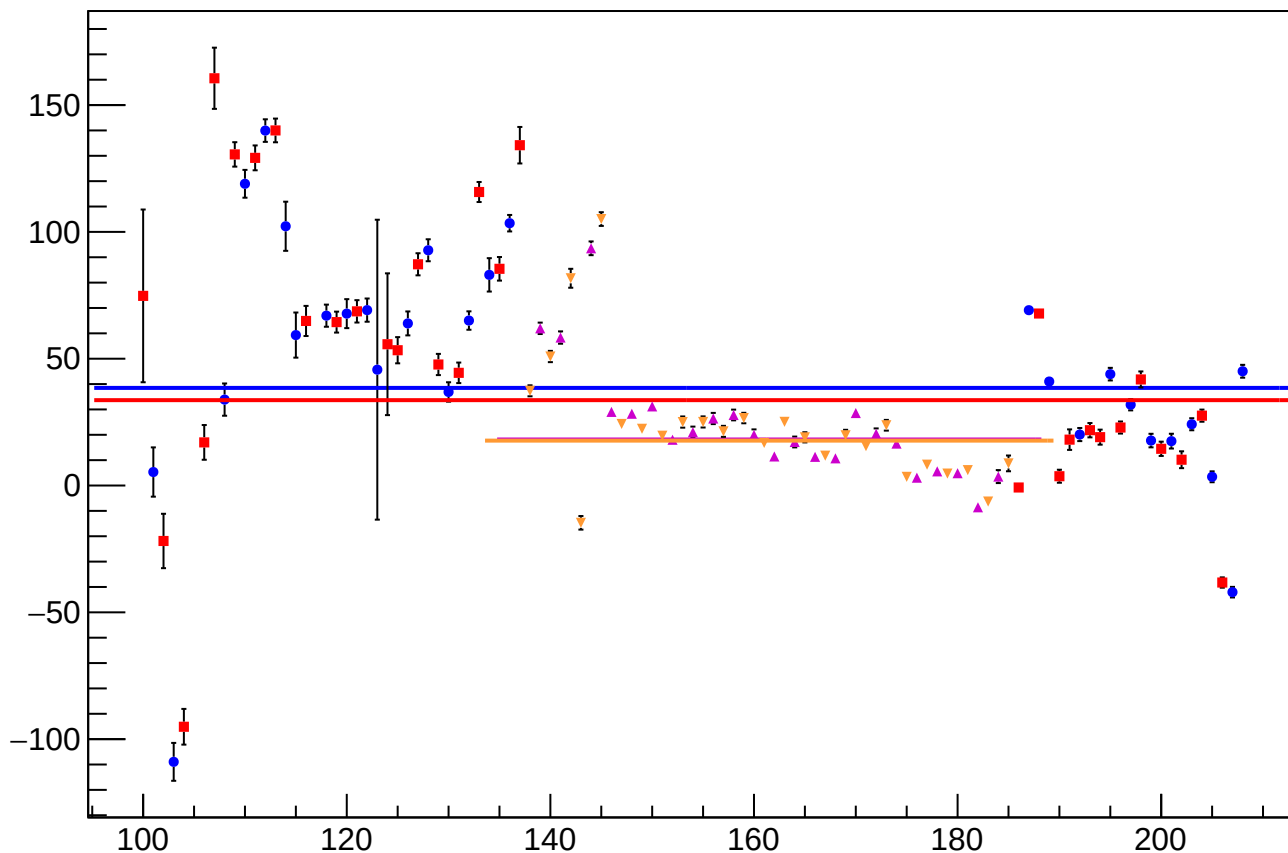
Left In: 7.638 $\pm$ 0.313 χ^2 /NDF:337.7/22

+ sign 8.673 $\pm$ 0.264 χ^2 /NDF: 1347.6/52

All: 9.003 $\pm$ 0.186 χ^2 /NDF: 2504.0/106

- sign 9.332 $\pm$ 0.263 χ^2 /NDF: 1153.3/53

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 38.489 $\pm$ 0.576 χ^2 /NDF: 4341.4/27

Left Out: 17.705 $\pm$ 0.387 χ^2 /NDF: 2432.2/24

Right Out: 33.658 $\pm$ 0.460 χ^2 /NDF: 7610.6/30

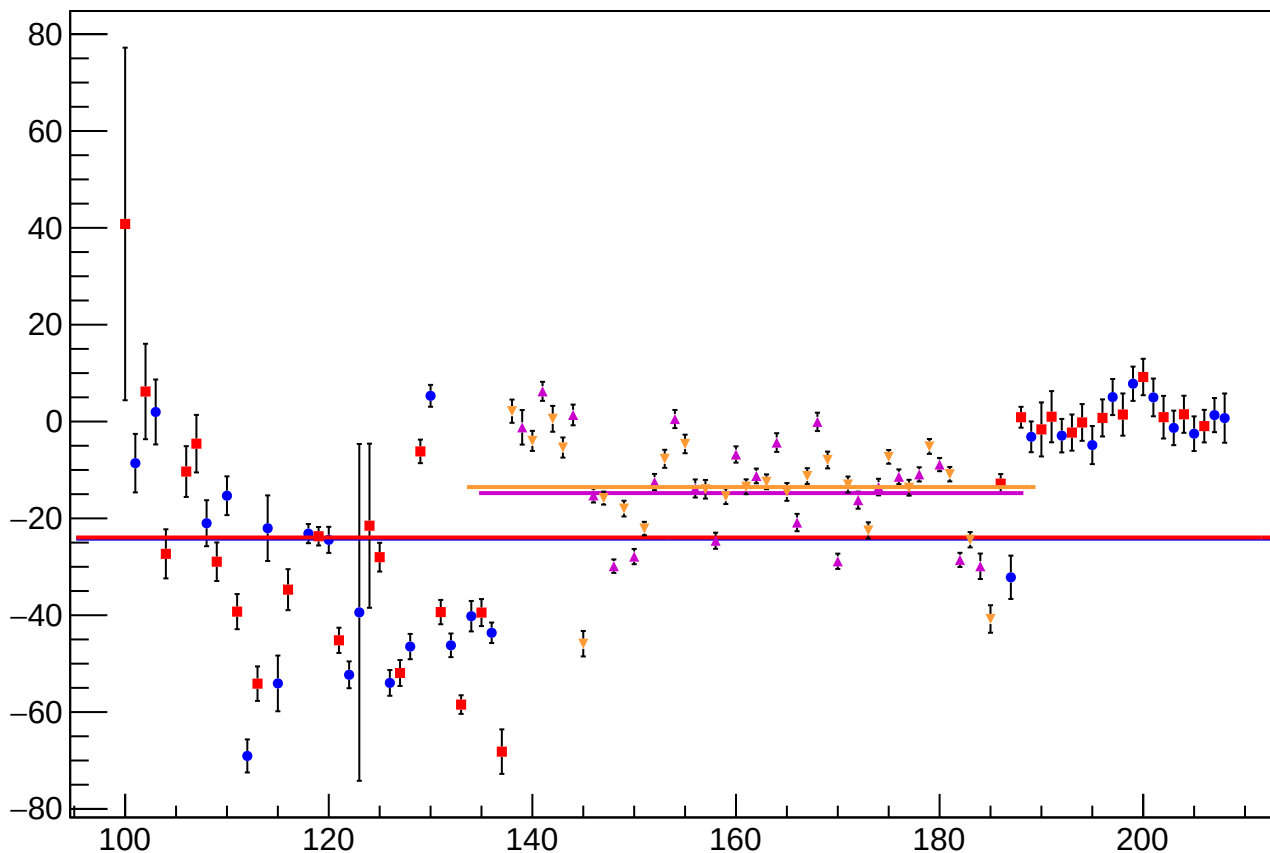
Left In: 18.150 $\pm$ 0.393 χ^2 /NDF: 2339.4/22

+ sign 24.170 $\pm$ 0.321 χ^2 /NDF: 7669.6/52

All: 24.447 $\pm$ 0.219 χ^2 /NDF: 18278.7/106

- sign 24.686 $\pm$ 0.299 χ^2 /NDF: 10607.7/53

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -24.186 ± 0.622 χ^2/NDF : 1353.6/27

Left Out: -13.531 ± 0.344 χ^2/NDF : 572.8/24

Right Out: -23.945 ± 0.585 χ^2/NDF : 1392.1/30

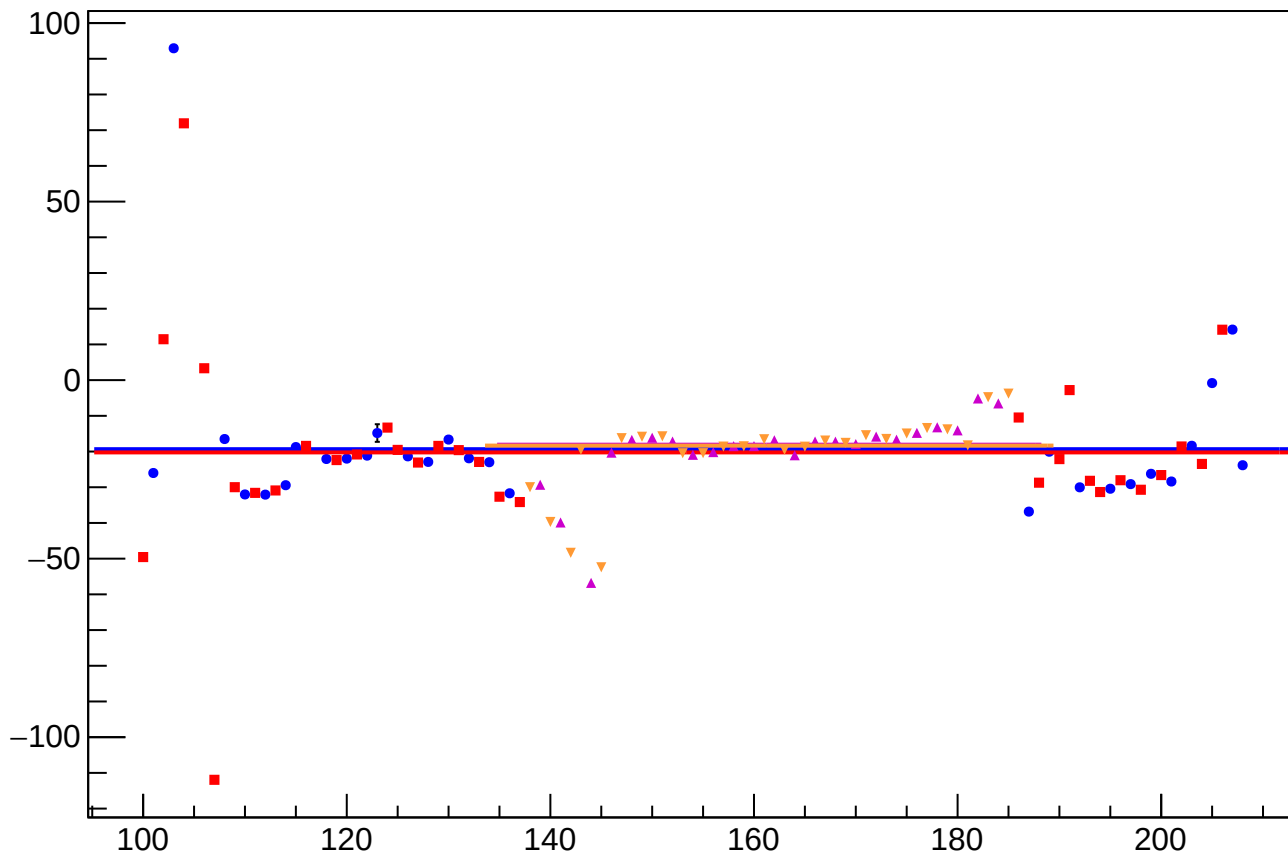
Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

+ sign -16.028 ± 0.301 χ^2/NDF : 2151.2/52

All: -16.627 ± 0.214 χ^2/NDF : 4568.9/106

- sign -17.234 ± 0.303 χ^2/NDF : 2409.7/53

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -19.340 ± 0.030 $\chi^2/\text{NDF}: 595233.2/27$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -20.244 ± 0.028 $\chi^2/\text{NDF}: 561374.7/30$

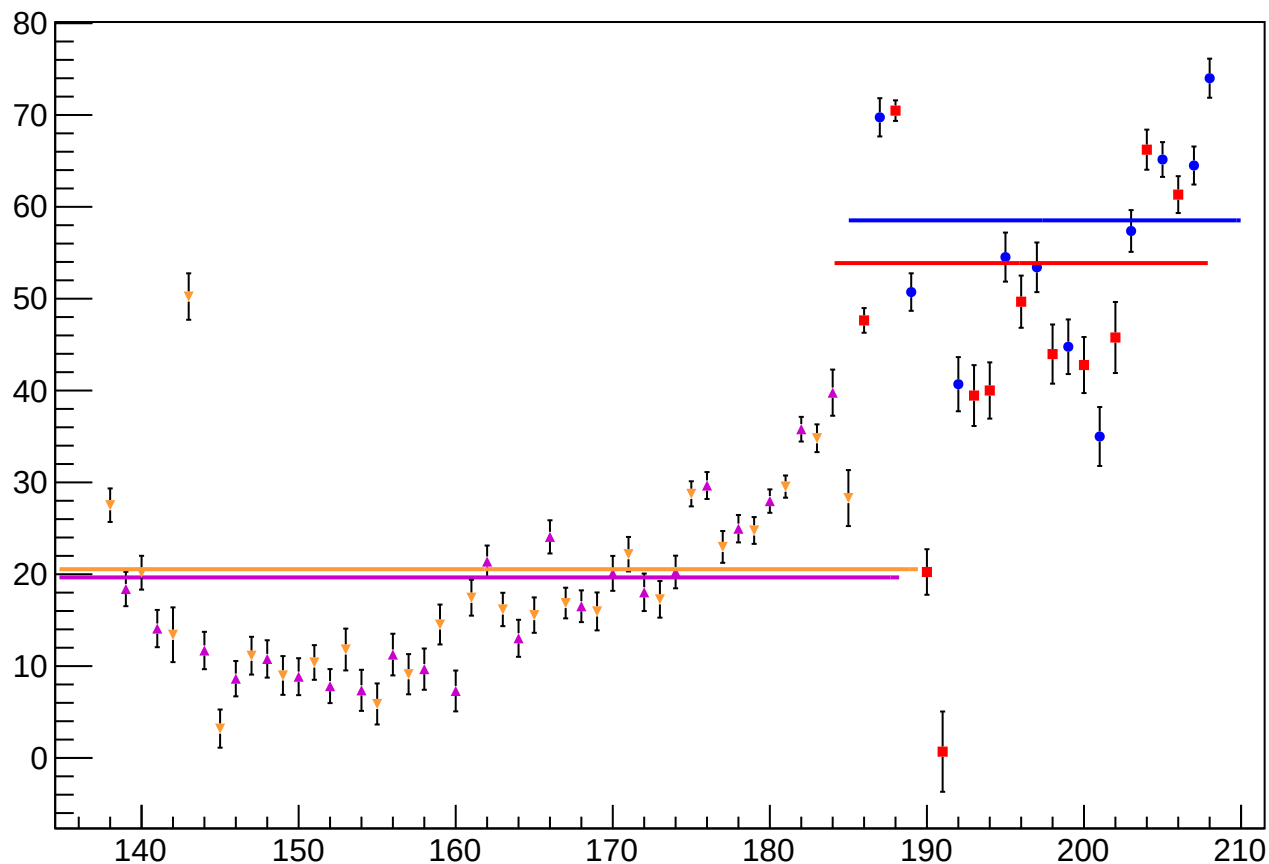
Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

+ sign -18.557 ± 0.014 $\chi^2/\text{NDF}: 880280.5/52$

All: -18.582 ± 0.010 $\chi^2/\text{NDF}: 1687988.4/106$

- sign -18.608 ± 0.014 $\chi^2/\text{NDF}: 807701.5/53$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 58.526 +/- 0.707 χ^2/NDF : 235.0/10

Left Out: 20.550 +/- 0.373 χ^2/NDF : 626.4/24

Right Out: 53.876 +/- 0.618 χ^2/NDF : 688.5/11

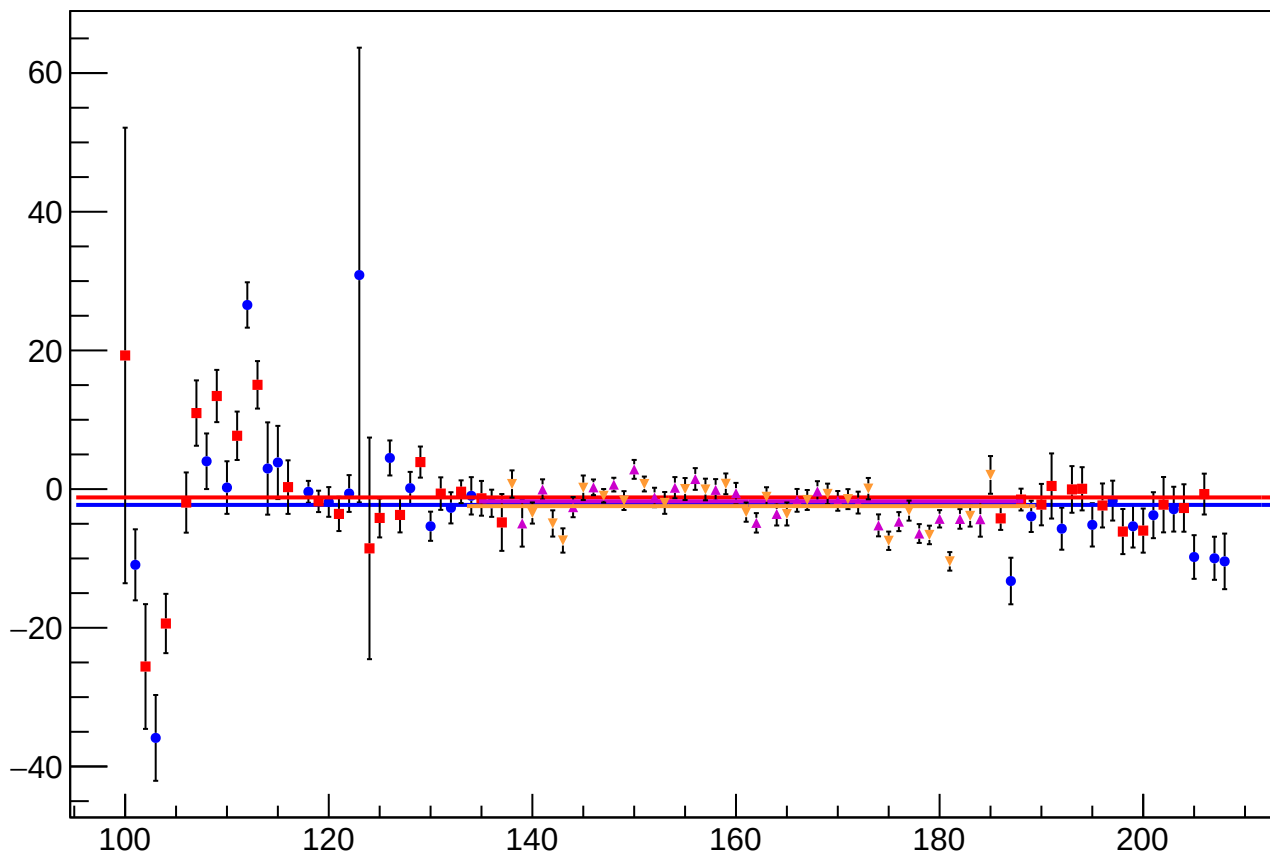
Left In: 19.656 +/- 0.380 χ^2/NDF : 571.8/22

+ sign 28.820 +/- 0.330 χ^2/NDF : 3118.0/35

All: 28.943 +/- 0.231 χ^2/NDF : 6602.9/70

- sign 29.062 +/- 0.324 χ^2/NDF : 3484.7/34

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.278 ± 0.538 χ^2/NDF : 159.0/27

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.198 ± 0.501 χ^2/NDF : 95.2/30

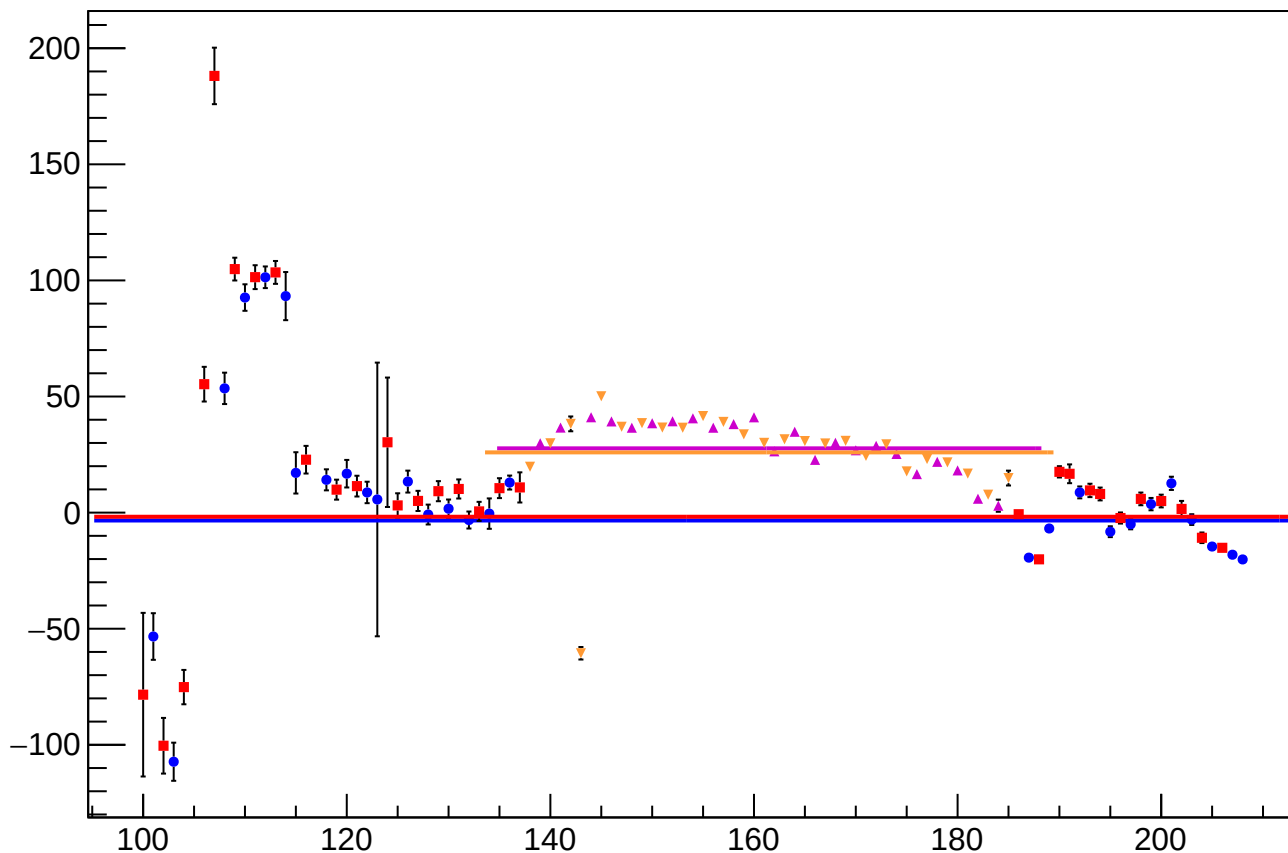
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.414 ± 0.257 χ^2/NDF : 265.1/52

All: -2.015 ± 0.182 χ^2/NDF : 433.5/106

- sign -1.609 ± 0.259 χ^2/NDF : 163.5/53

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -3.391 ± 0.574 $\chi^2/\text{NDF}: 1519.5/27$

Left Out: 25.938 ± 0.372 $\chi^2/\text{NDF}: 1711.6/24$

Right Out: -1.780 ± 0.487 $\chi^2/\text{NDF}: 2476.3/30$

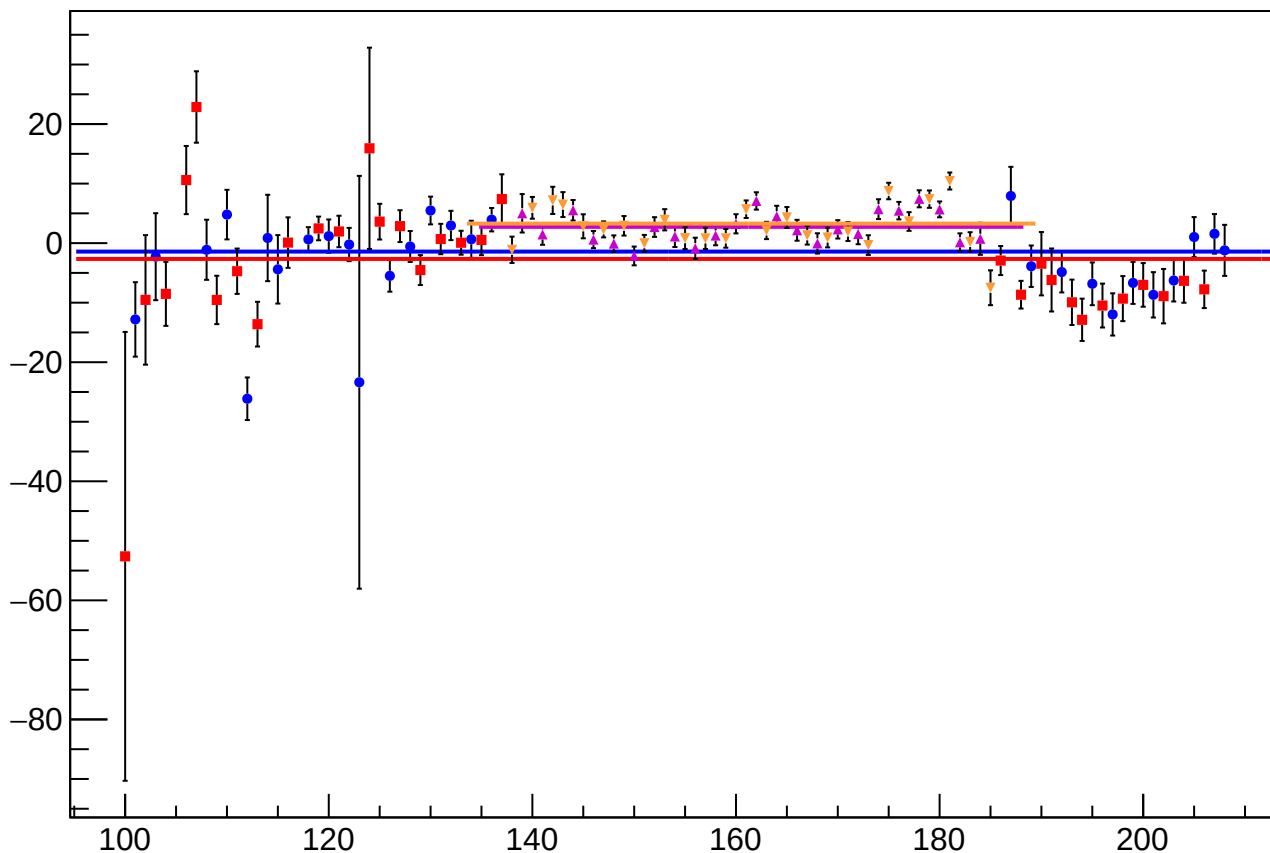
Left In: 27.677 ± 0.378 $\chi^2/\text{NDF}: 803.9/22$

+ sign 17.255 ± 0.312 $\chi^2/\text{NDF}: 5068.2/52$

All: 16.913 ± 0.216 $\chi^2/\text{NDF}: 10631.5/106$

- sign 16.601 ± 0.299 $\chi^2/\text{NDF}: 5561.0/53$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.418 ± 0.621 χ^2/NDF : 103.7/27

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.653 ± 0.599 χ^2/NDF : 103.6/30

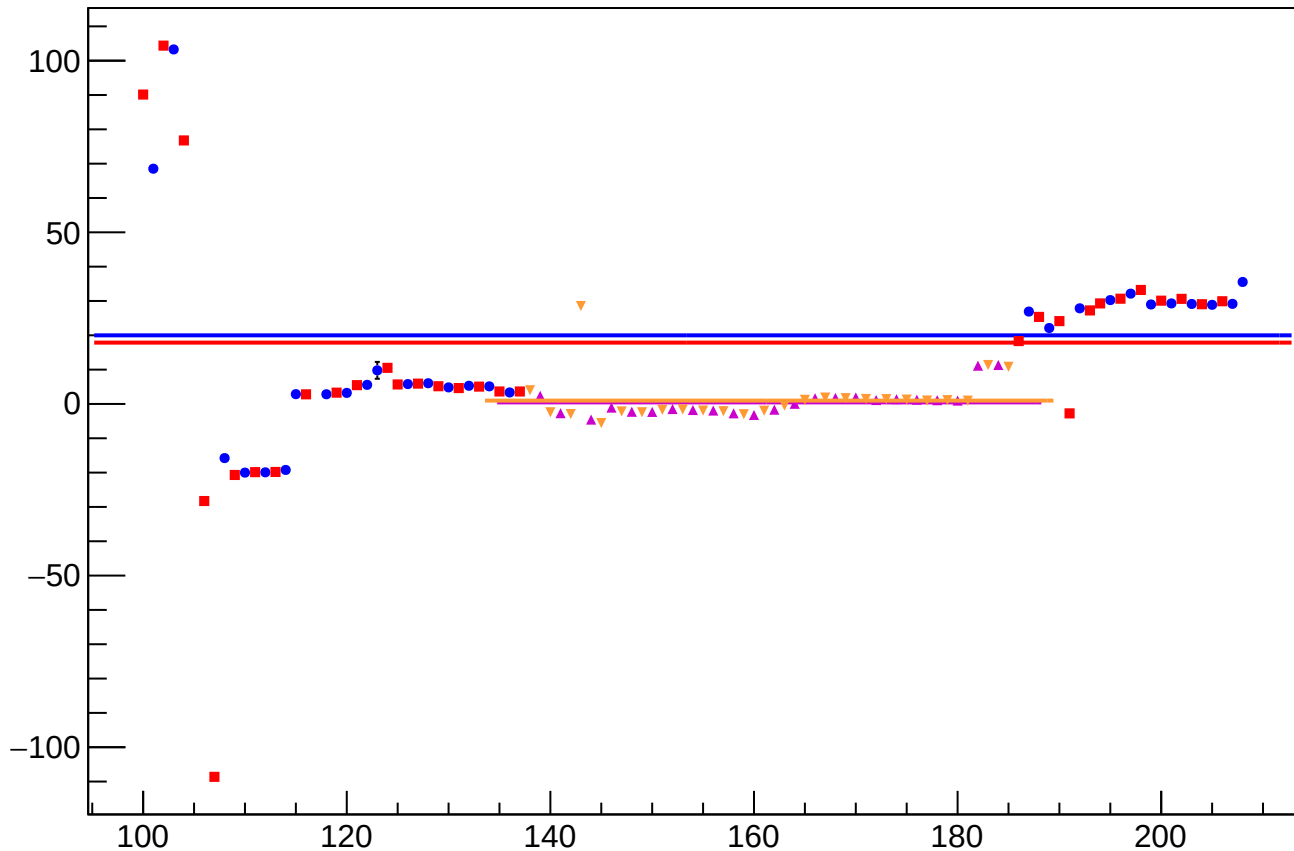
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.241 ± 0.292 χ^2/NDF : 250.6/52

All: 1.834 ± 0.208 χ^2/NDF : 483.8/106

- sign 1.416 ± 0.296 χ^2/NDF : 229.3/53

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 19.990 $\pm$ 0.029 χ^2 /NDF: 496057.8/27

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

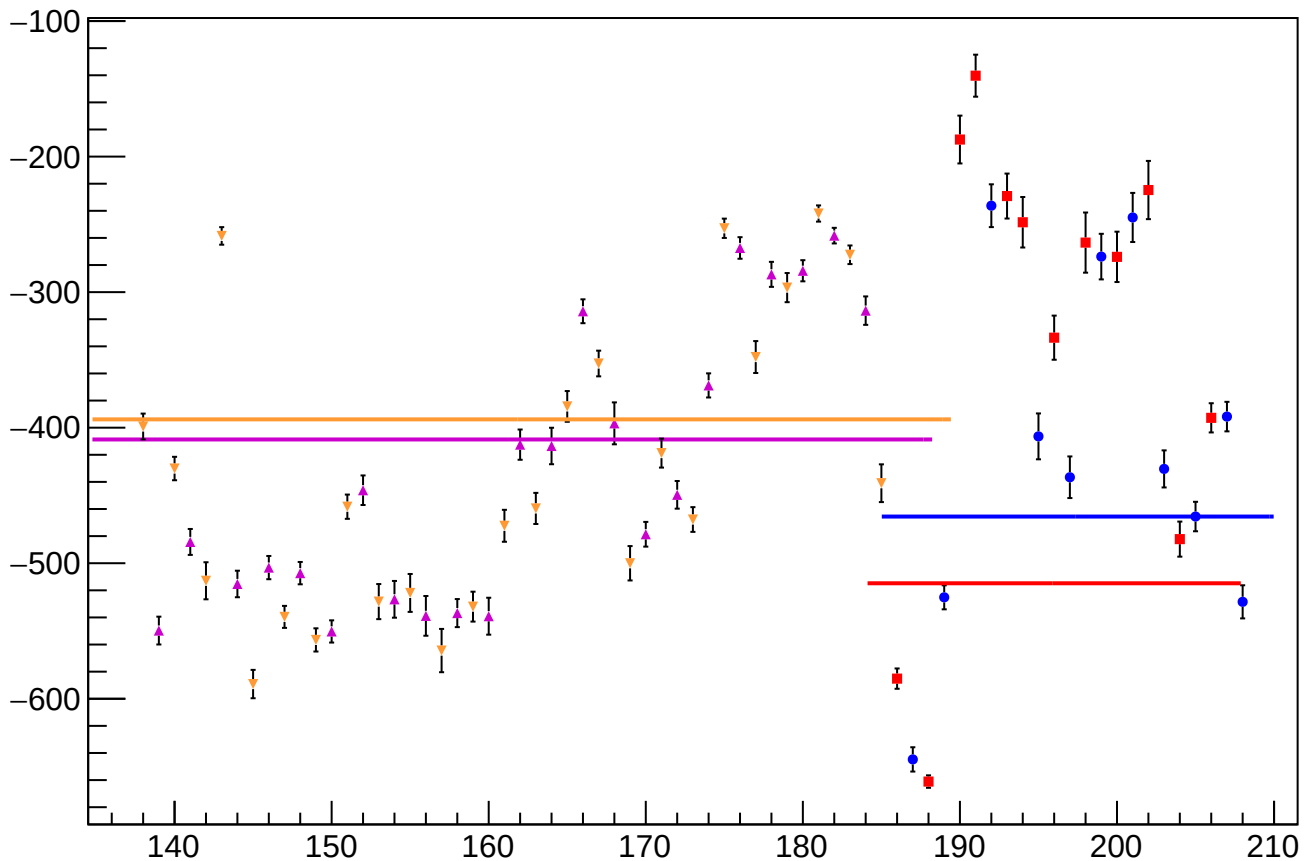
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 5.040 $\pm$ 0.013 χ^2 /NDF: 948008.9/52

All: 4.745 $\pm$ 0.010 χ^2 /NDF: 2014829.9/106

- sign 4.447 $\pm$ 0.014 χ^2 /NDF: 1065857.1/53

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -465.571 ± 3.716 $\chi^2/\text{NDF}: 1028.8/10$

Left Out: -393.871 ± 1.897 $\chi^2/\text{NDF}: 3772.8/24$

Right Out: -514.796 ± 3.093 $\chi^2/\text{NDF}: 3268.8/11$

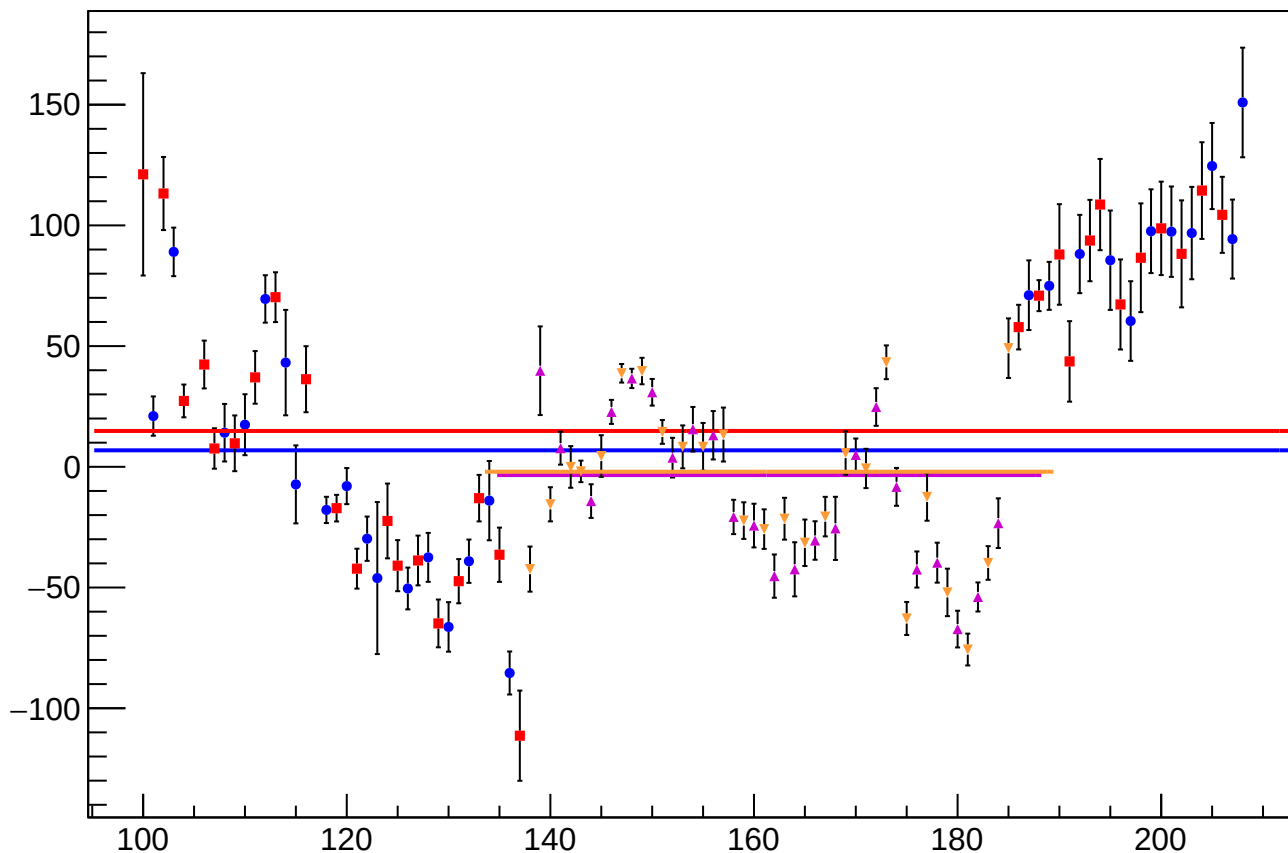
Left In: -408.696 ± 1.979 $\chi^2/\text{NDF}: 3062.9/22$

+ sign -408.697 ± 1.690 $\chi^2/\text{NDF}: 5097.0/35$

All: -424.313 ± 1.187 $\chi^2/\text{NDF}: 12432.2/70$

- sign -439.514 ± 1.667 $\chi^2/\text{NDF}: 7166.6/34$

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 6.827 ± 2.117 χ^2/NDF : 710.0/27

Left Out: -2.037 ± 1.424 χ^2/NDF : 563.8/24

Right Out: 14.850 ± 1.962 χ^2/NDF : 688.5/30

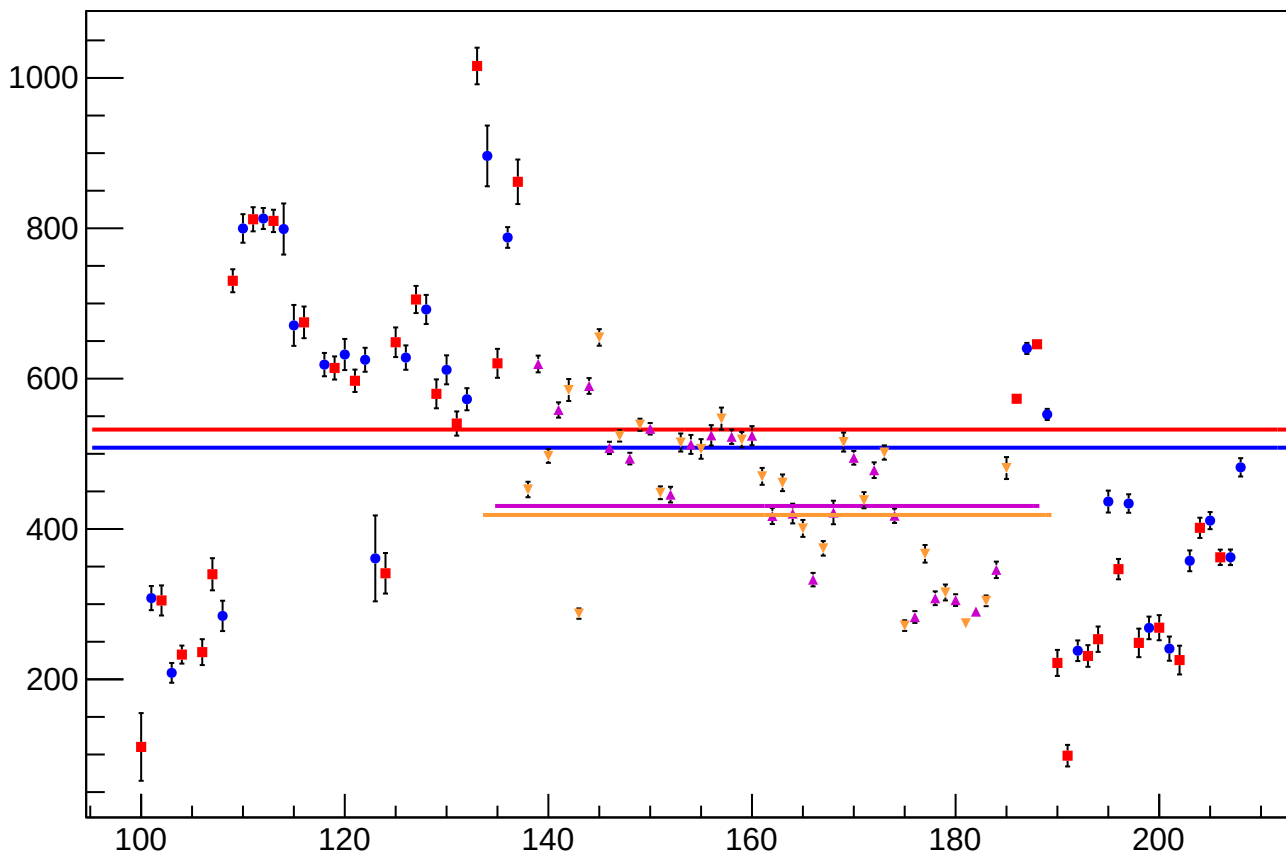
Left In: -3.420 ± 1.520 χ^2/NDF : 451.0/22

+ sign 0.725 ± 1.182 χ^2/NDF : 1285.9/52

All: 2.056 ± 0.843 χ^2/NDF : 2482.1/106

- sign 3.433 ± 1.202 χ^2/NDF : 1193.6/53

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 508.131 ± 2.643 $\chi^2/\text{NDF}: 4188.2/27$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 532.262 ± 2.205 $\chi^2/\text{NDF}: 7076.9/30$

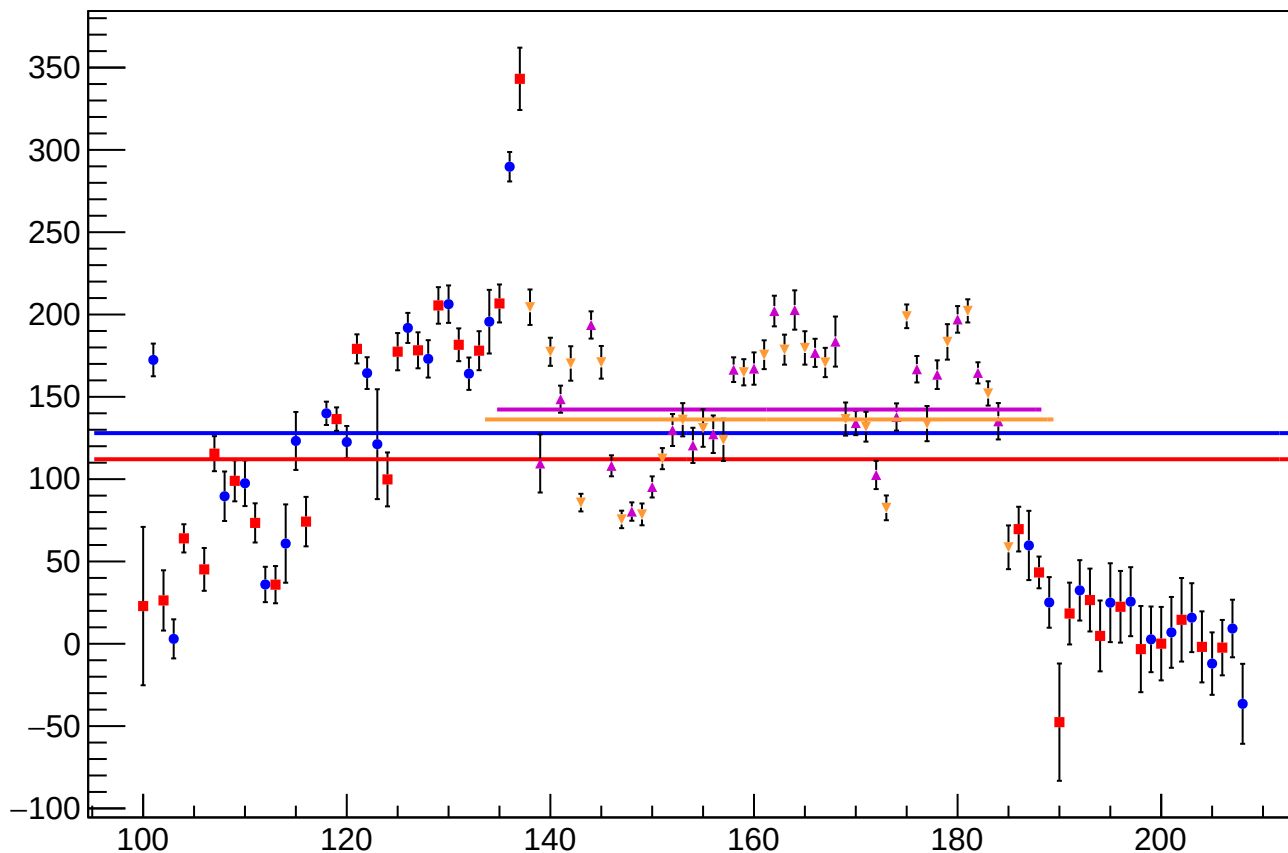
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 449.265 ± 1.545 $\chi^2/\text{NDF}: 8238.7/52$

All: 463.188 ± 1.065 $\chi^2/\text{NDF}: 19501.7/106$

- sign 475.775 ± 1.469 $\chi^2/\text{NDF}: 11108.4/53$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 127.962 $\pm$ 2.471 χ^2 /NDF: 1077.3/27

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

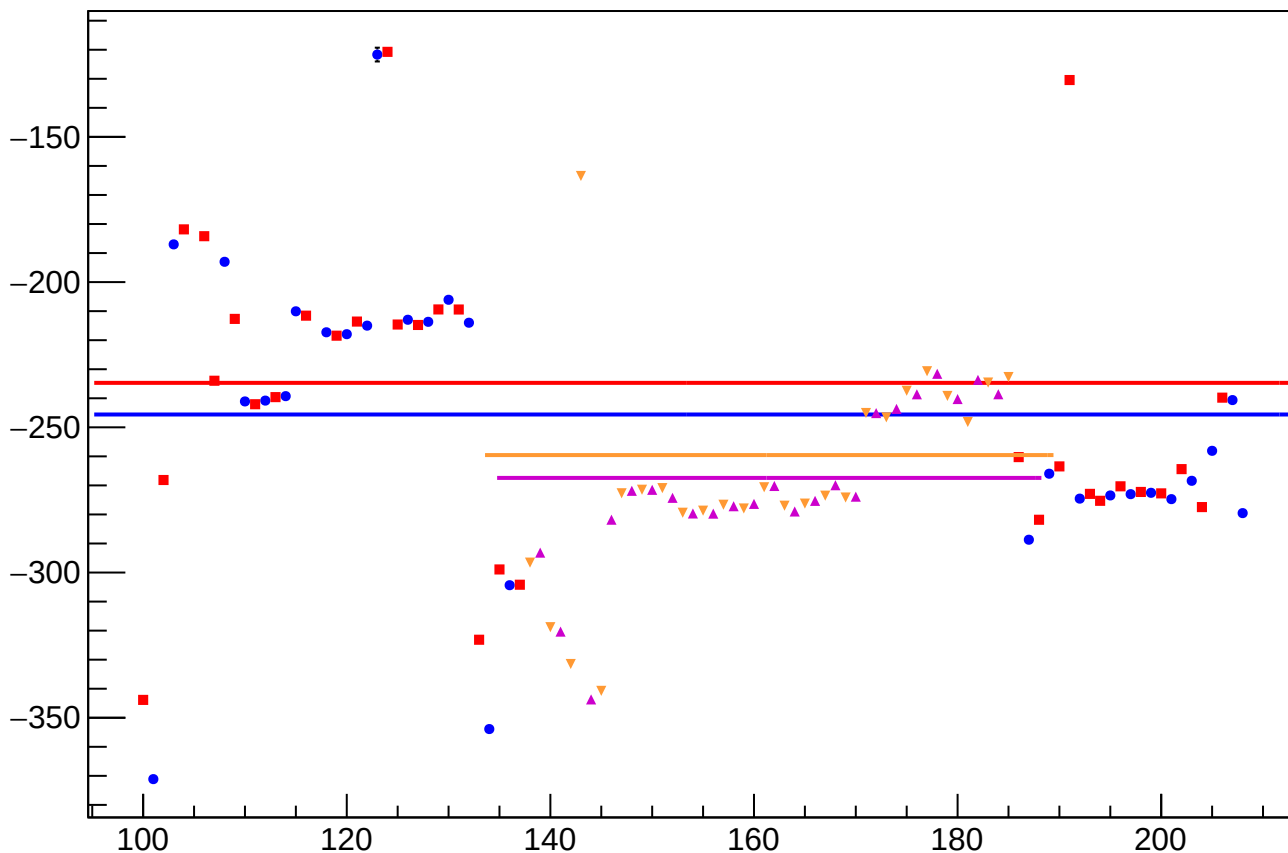
Left In: 142.296 $\pm$ 1.745 χ^2 /NDF: 459.8/22

+ sign 133.697 $\pm$ 1.373 χ^2 /NDF: 1843.4/52

All: 132.610 $\pm$ 0.979 χ^2 /NDF: 3366.8/106

- sign 131.483 $\pm$ 1.398 χ^2 /NDF: 1522.1/53

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -245.584 ± 0.123 $\chi^2/\text{NDF}: 164765.3/27$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -234.691 ± 0.114 $\chi^2/\text{NDF}: 174147.1/30$

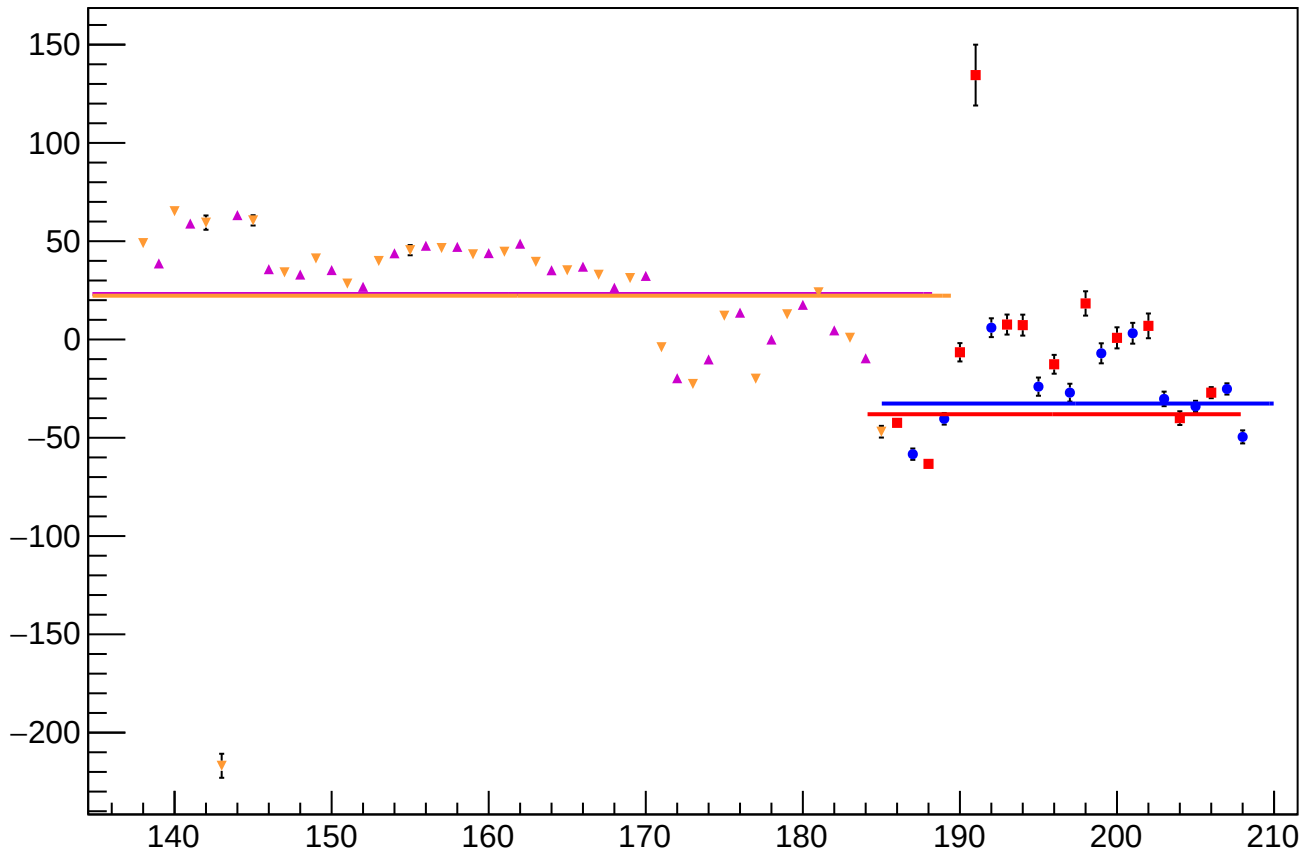
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -255.463 ± 0.066 $\chi^2/\text{NDF}: 412145.1/52$

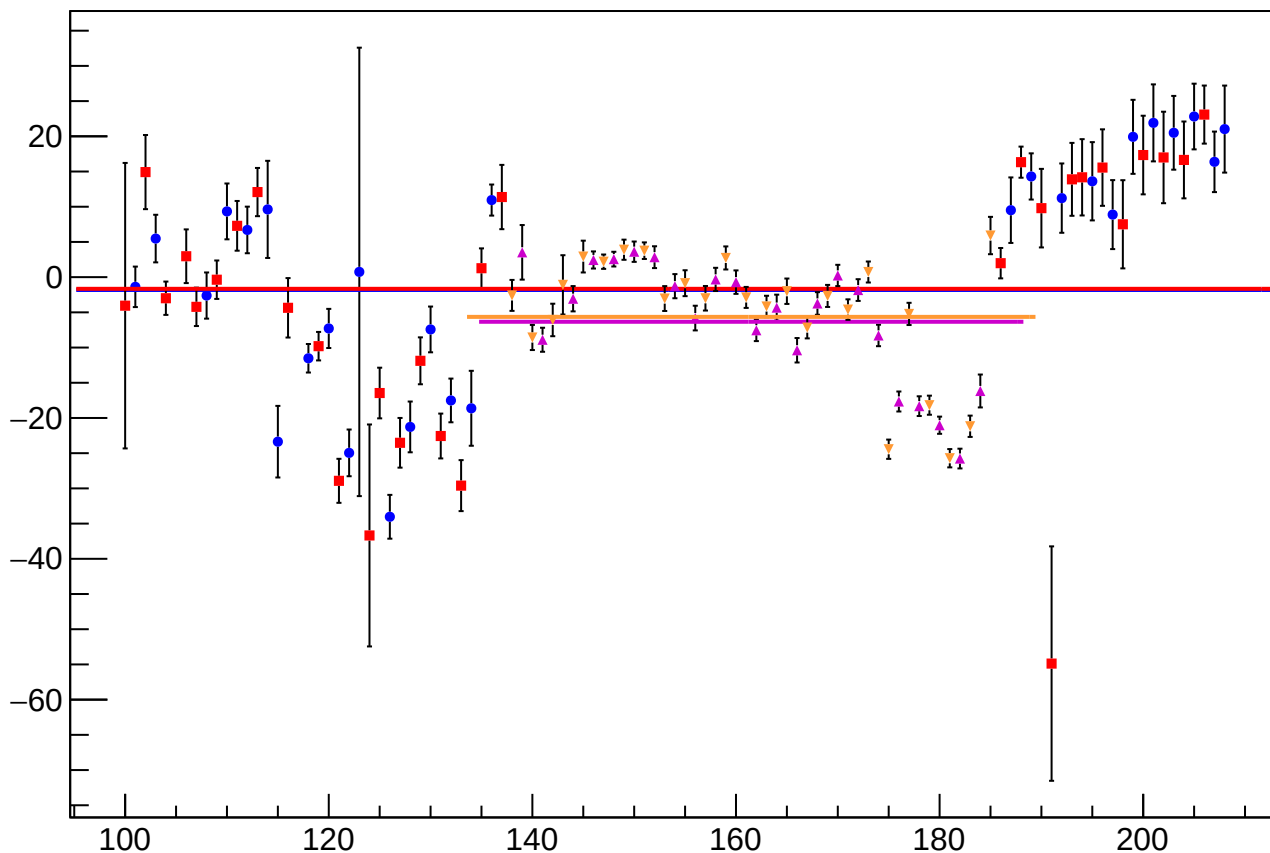
All: -255.907 ± 0.047 $\chi^2/\text{NDF}: 738714.6/106$

- sign -256.350 ± 0.066 $\chi^2/\text{NDF}: 326480.4/53$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.821 ± 0.692 $\chi^2/\text{NDF}: 487.0/27$

Left Out: -5.642 ± 0.316 $\chi^2/\text{NDF}: 893.7/24$

Right Out: -1.658 ± 0.638 $\chi^2/\text{NDF}: 490.1/30$

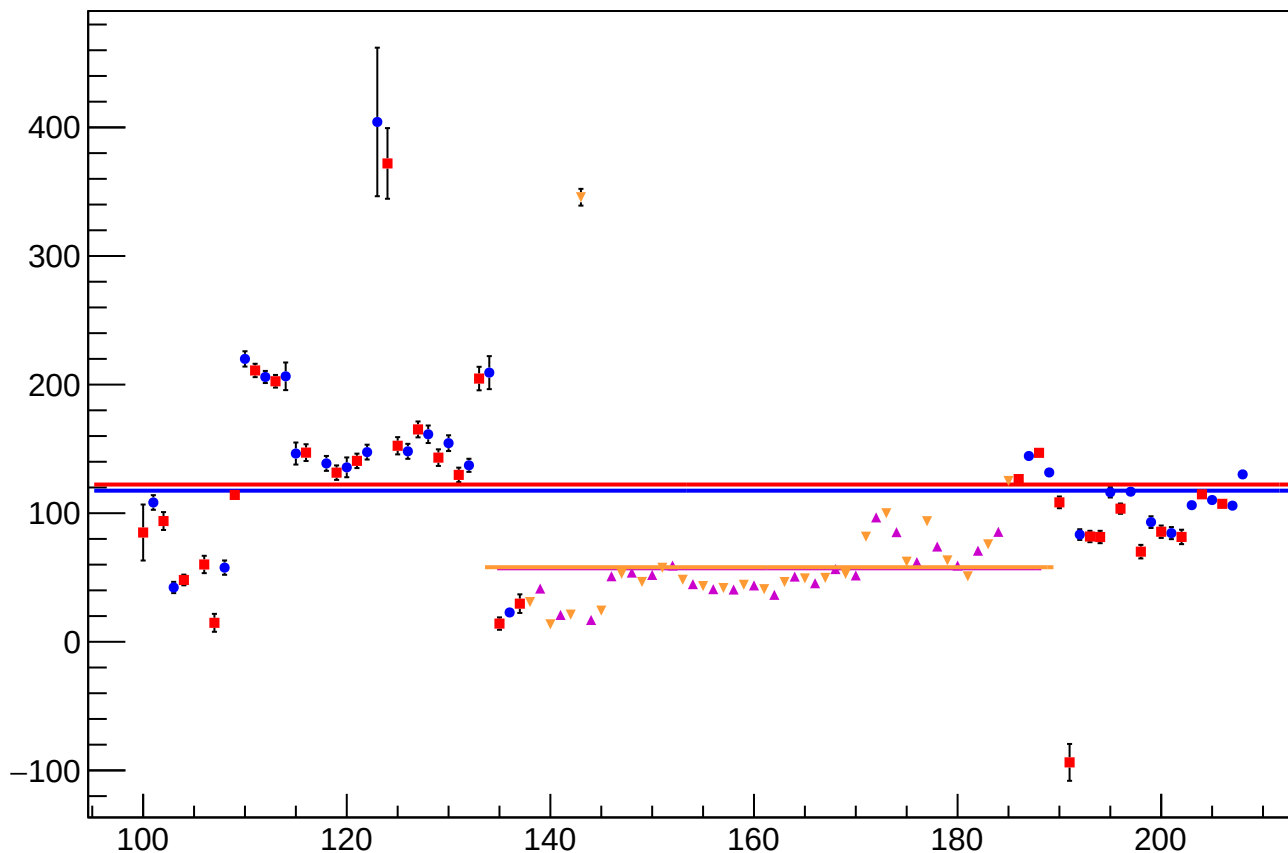
Left In: -6.337 ± 0.321 $\chi^2/\text{NDF}: 783.0/22$

+ sign -4.984 ± 0.287 $\chi^2/\text{NDF}: 1406.0/52$

All: -5.188 ± 0.203 $\chi^2/\text{NDF}: 2723.0/106$

- sign -5.391 ± 0.287 $\chi^2/\text{NDF}: 1316.0/53$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.509 $\pm$ 0.808 χ^2 /NDF: 2513.5/27

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

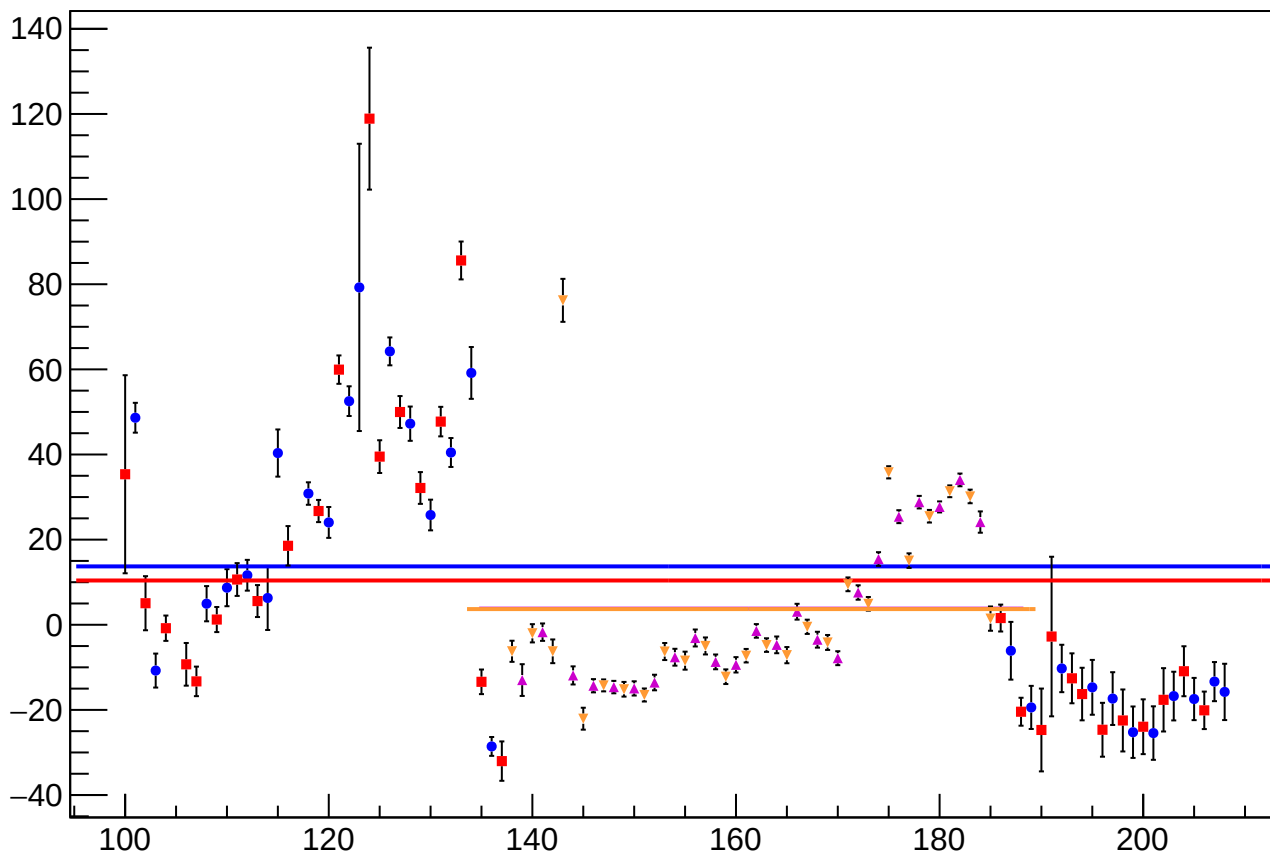
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 69.608 $\pm$ 0.357 χ^2 /NDF: 11515.8/52

All: 71.975 $\pm$ 0.247 χ^2 /NDF: 23564.4/106

- sign 74.165 $\pm$ 0.343 χ^2 /NDF: 11963.9/53

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 13.713 ± 0.798 $\chi^2/\text{NDF}: 1462.8/27$

Left Out: 3.684 ± 0.357 $\chi^2/\text{NDF}: 2541.7/24$

Right Out: 10.403 ± 0.758 $\chi^2/\text{NDF}: 1449.2/30$

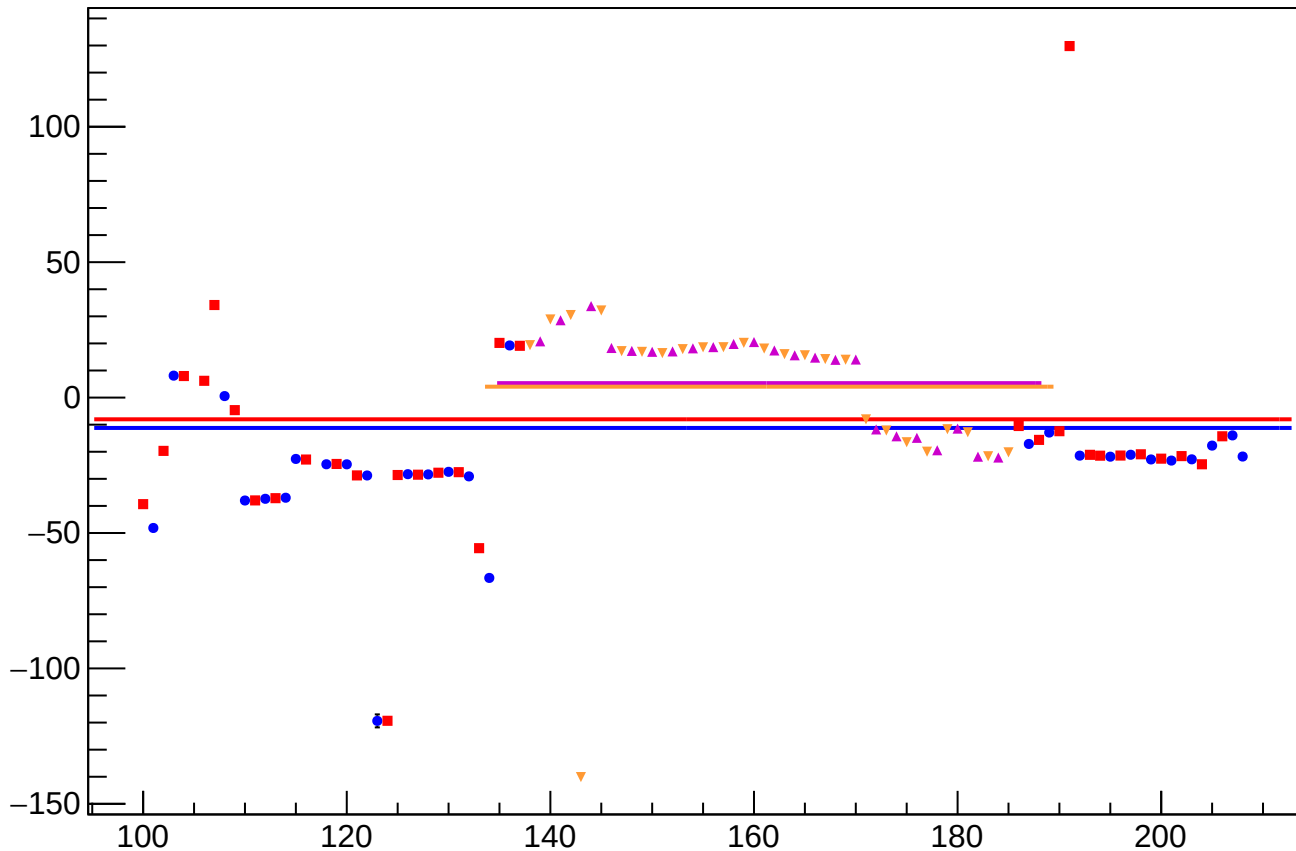
Left In: 3.786 ± 0.362 $\chi^2/\text{NDF}: 2198.8/22$

+ sign 5.355 ± 0.326 $\chi^2/\text{NDF}: 4136.2/52$

All: 5.185 ± 0.231 $\chi^2/\text{NDF}: 7846.8/106$

- sign 5.014 ± 0.326 $\chi^2/\text{NDF}: 3710.1/53$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -11.209 ± 0.037 χ^2/NDF : 298690.5/27

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -8.017 ± 0.036 χ^2/NDF : 387185.3/30

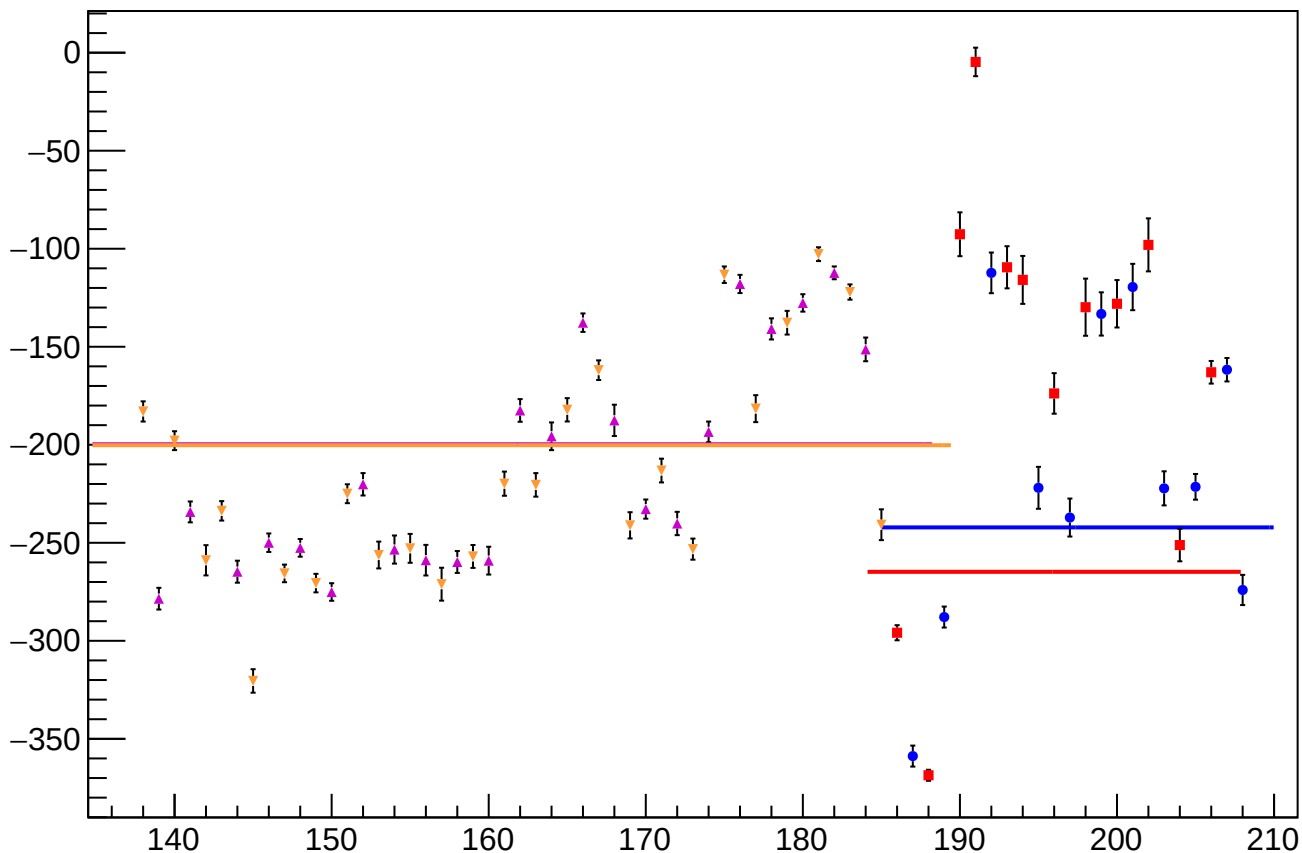
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.550 ± 0.015 χ^2/NDF : 1822701.7/52

All: 2.309 ± 0.011 χ^2/NDF : 3405147.6/106

- sign 3.066 ± 0.015 χ^2/NDF : 1577314.0/53

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -242.150 ± 2.264 $\chi^2/\text{NDF}: 1126.1/10$

Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$

Right Out: -264.809 ± 1.805 $\chi^2/\text{NDF}: 4054.9/11$

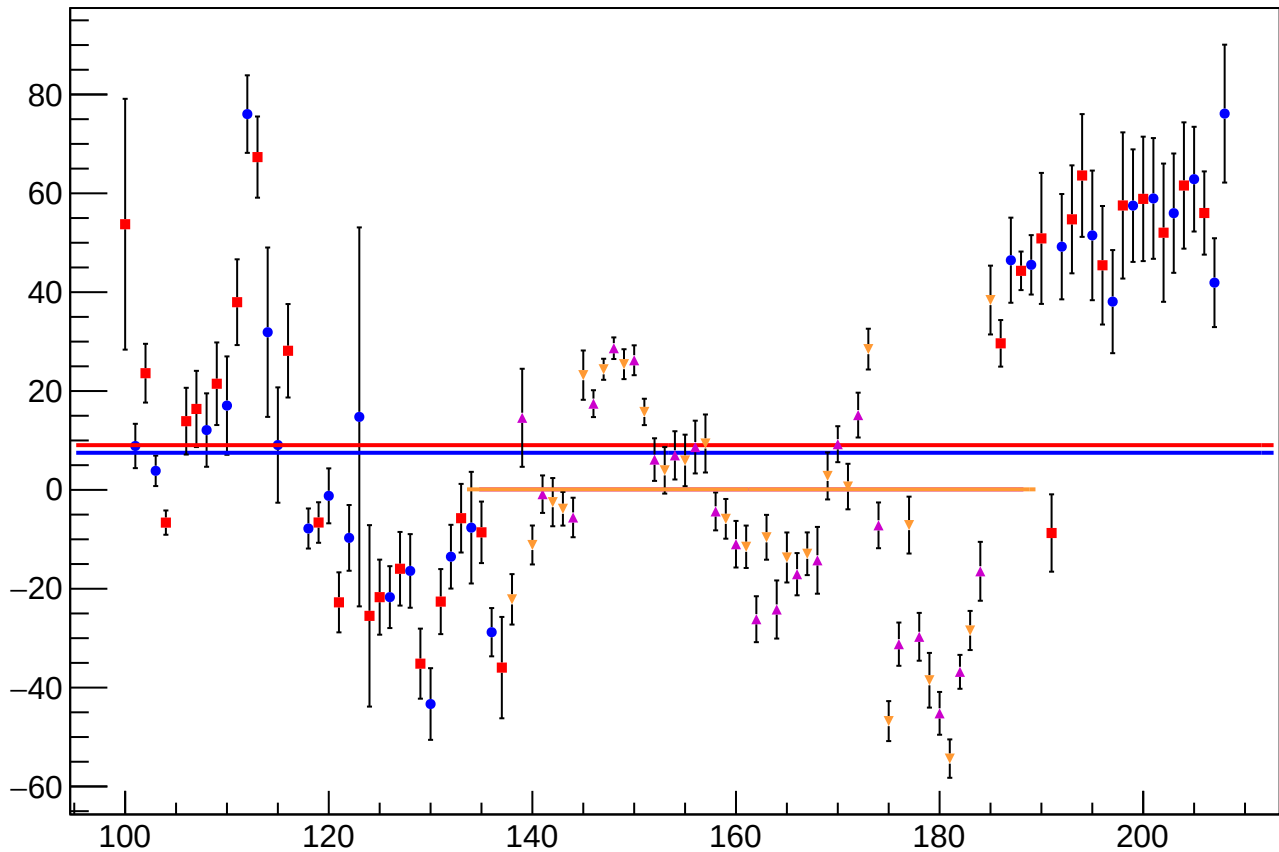
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -207.975 ± 0.973 $\chi^2/\text{NDF}: 4630.8/35$

All: -212.810 ± 0.675 $\chi^2/\text{NDF}: 12650.0/70$

- sign -217.299 ± 0.938 $\chi^2/\text{NDF}: 7971.7/34$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.508 ± 1.318 $\chi^2/\text{NDF}: 468.5/27$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 9.051 ± 1.193 $\chi^2/\text{NDF}: 532.0/30$

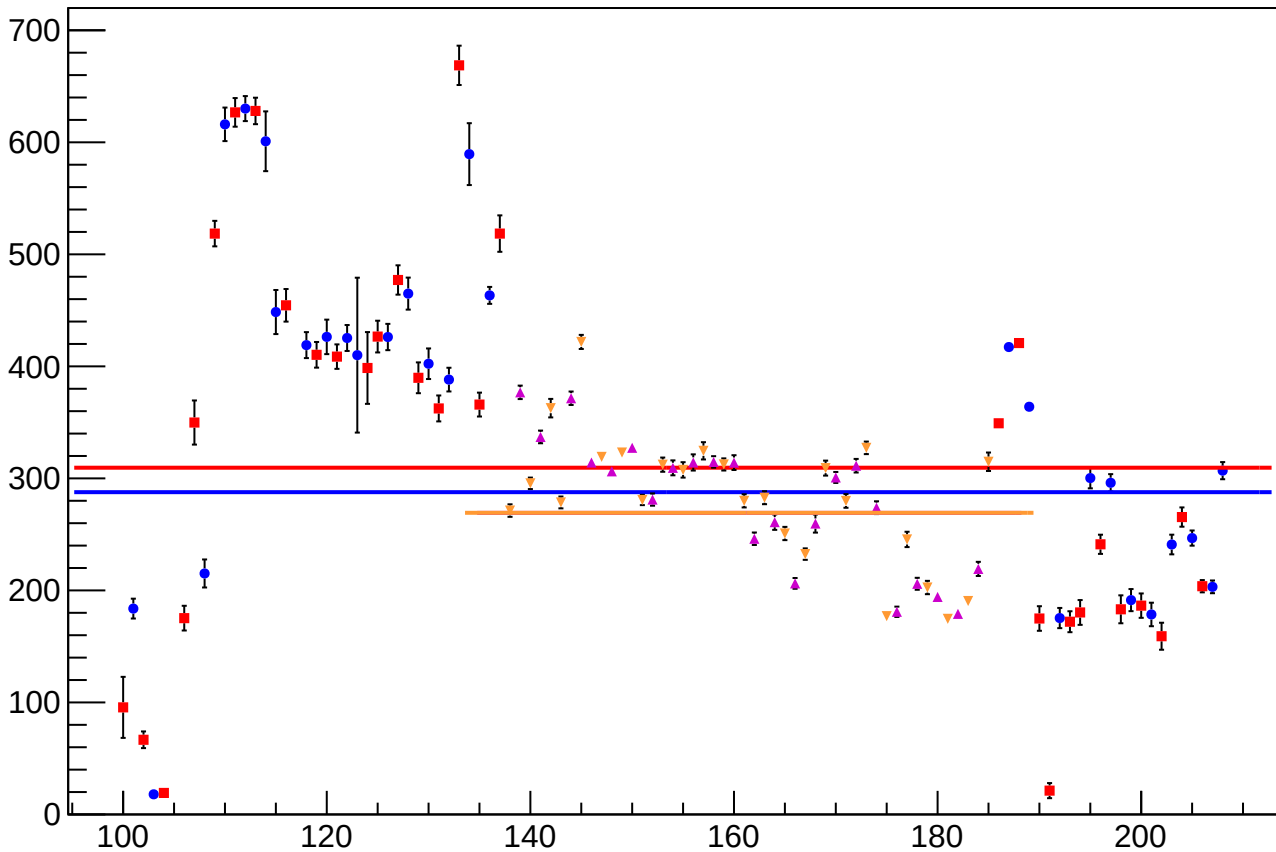
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 2.128 ± 0.688 $\chi^2/\text{NDF}: 1322.7/52$

All: 2.593 ± 0.486 $\chi^2/\text{NDF}: 2608.7/106$

- sign 3.055 ± 0.686 $\chi^2/\text{NDF}: 1285.2/53$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 287.694 $\pm$ 1.569 χ^2 /NDF: 9512.5/27

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 309.531 $\pm$ 1.292 χ^2 /NDF: 14360.1/30

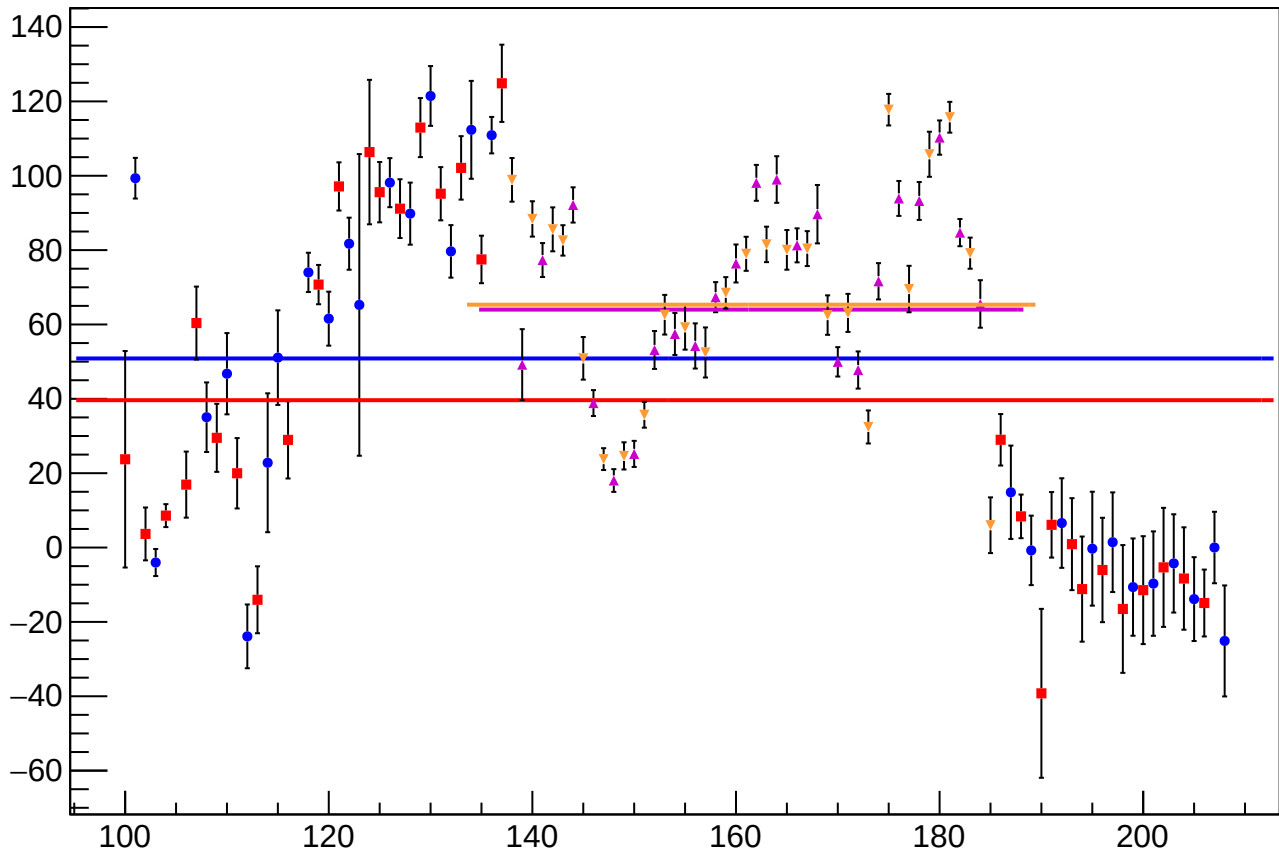
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 275.182 $\pm$ 0.888 χ^2 /NDF: 12752.8/52

All: 280.925 $\pm$ 0.608 χ^2 /NDF: 30931.2/106

- sign 285.979 $\pm$ 0.833 χ^2 /NDF: 18099.7/53

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 50.859 $\pm$ 1.540 χ^2 /NDF: 988.8/27

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

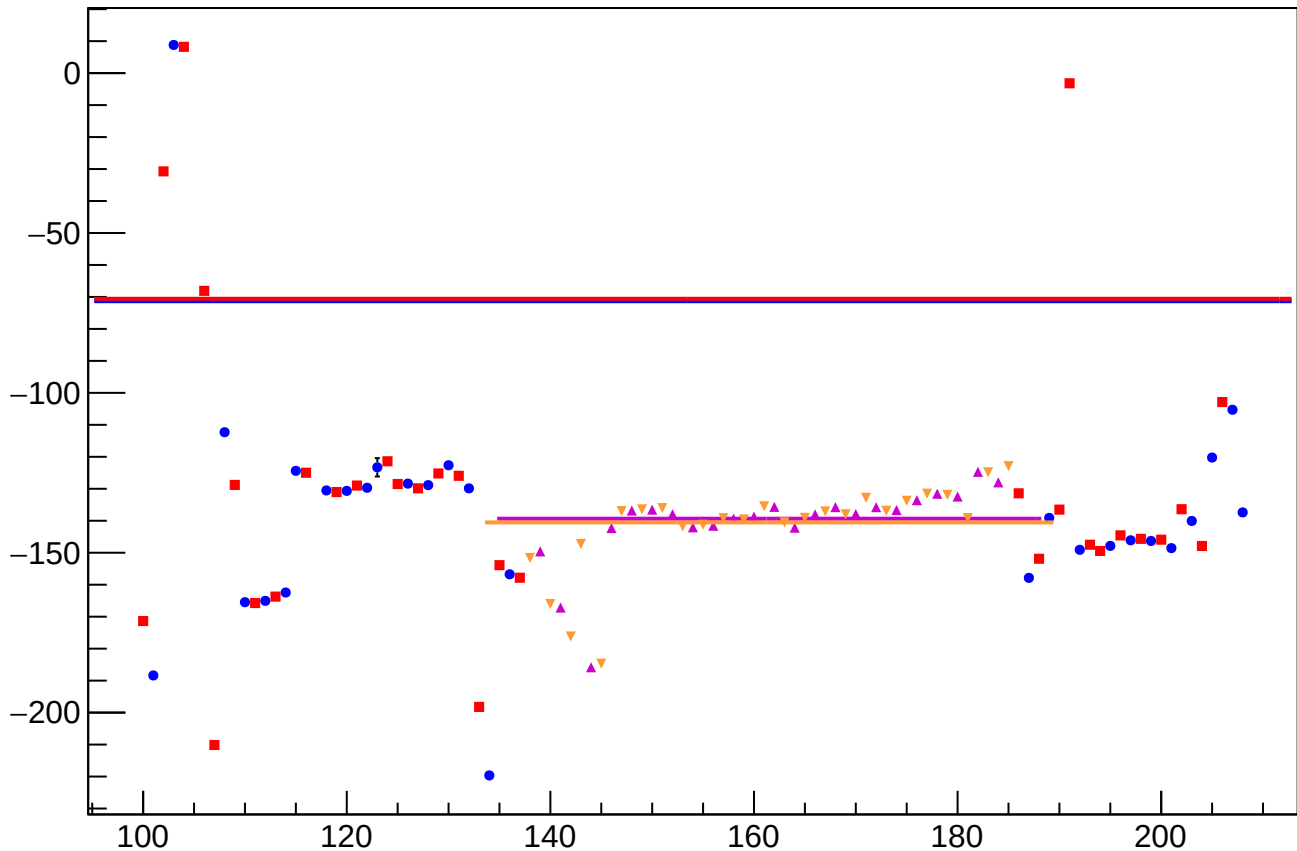
Left In: 63.999 $\pm$ 0.963 χ^2 /NDF:799.5/22

+ sign 61.429 $\pm$ 0.799 χ^2 /NDF: 2060.4/52

All: 58.962 $\pm$ 0.566 χ^2 /NDF: 3943.7/106

- sign 56.485 $\pm$ 0.801 χ^2 /NDF: 1864.2/53

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -71.329 ± 0.062 χ^2/NDF : 1548236.9/27

Left Out: -140.519 ± 0.045 χ^2/NDF : 77489.0/24

Right Out: -70.573 ± 0.061 χ^2/NDF : 1385751.8/30

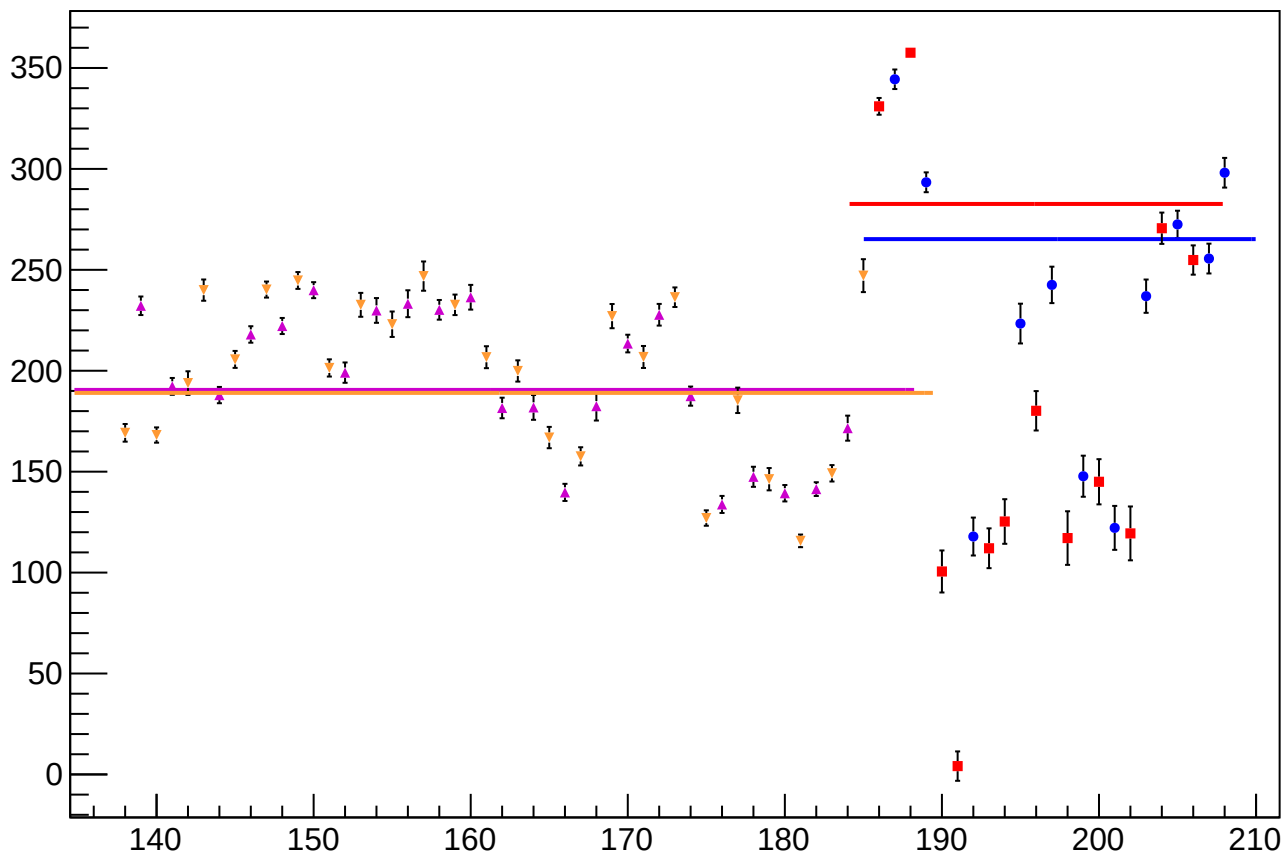
Left In: -139.360 ± 0.045 χ^2/NDF : 62449.0/22

+ sign -117.198 ± 0.036 χ^2/NDF : 2438604.3/52

All: -116.119 ± 0.026 χ^2/NDF : 4714159.1/10

- sign -115.045 ± 0.036 χ^2/NDF : 2273789.4/53

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 265.213 ± 2.186 χ^2/NDF : 911.4/10

Left Out: 189.030 ± 0.956 χ^2/NDF : 1980.9/24

Right Out: 282.637 ± 1.743 χ^2/NDF : 3885.5/11

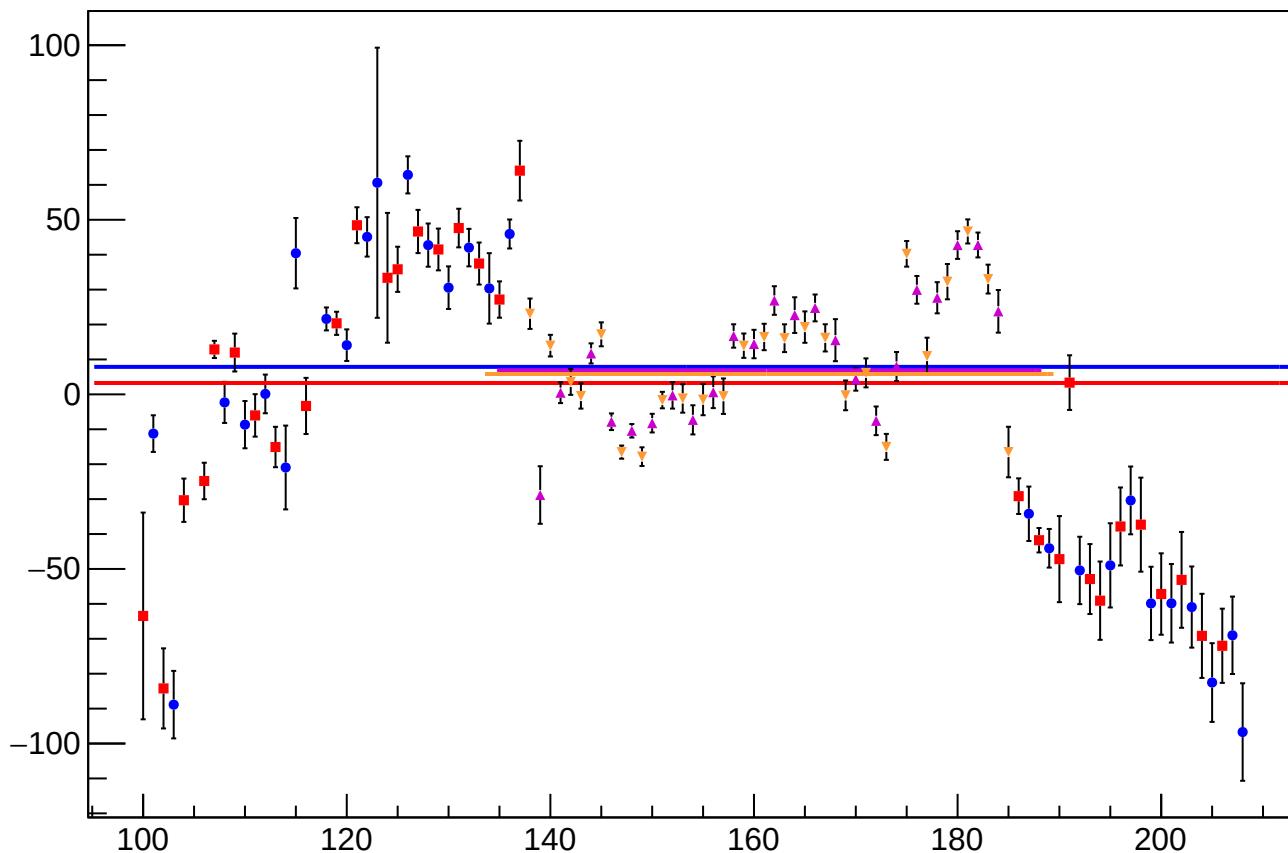
Left In: 190.506 ± 0.975 χ^2/NDF : 1412.7/22

+ sign 201.261 ± 0.876 χ^2/NDF : 3912.2/35

All: 207.027 ± 0.610 χ^2/NDF : 11422.9/70

- sign 212.470 ± 0.851 χ^2/NDF : 7426.5/34

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 7.875 ± 1.255 $\chi^2/\text{NDF}: 960.5/27$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 3.258 ± 1.075 $\chi^2/\text{NDF}: 979.6/30$

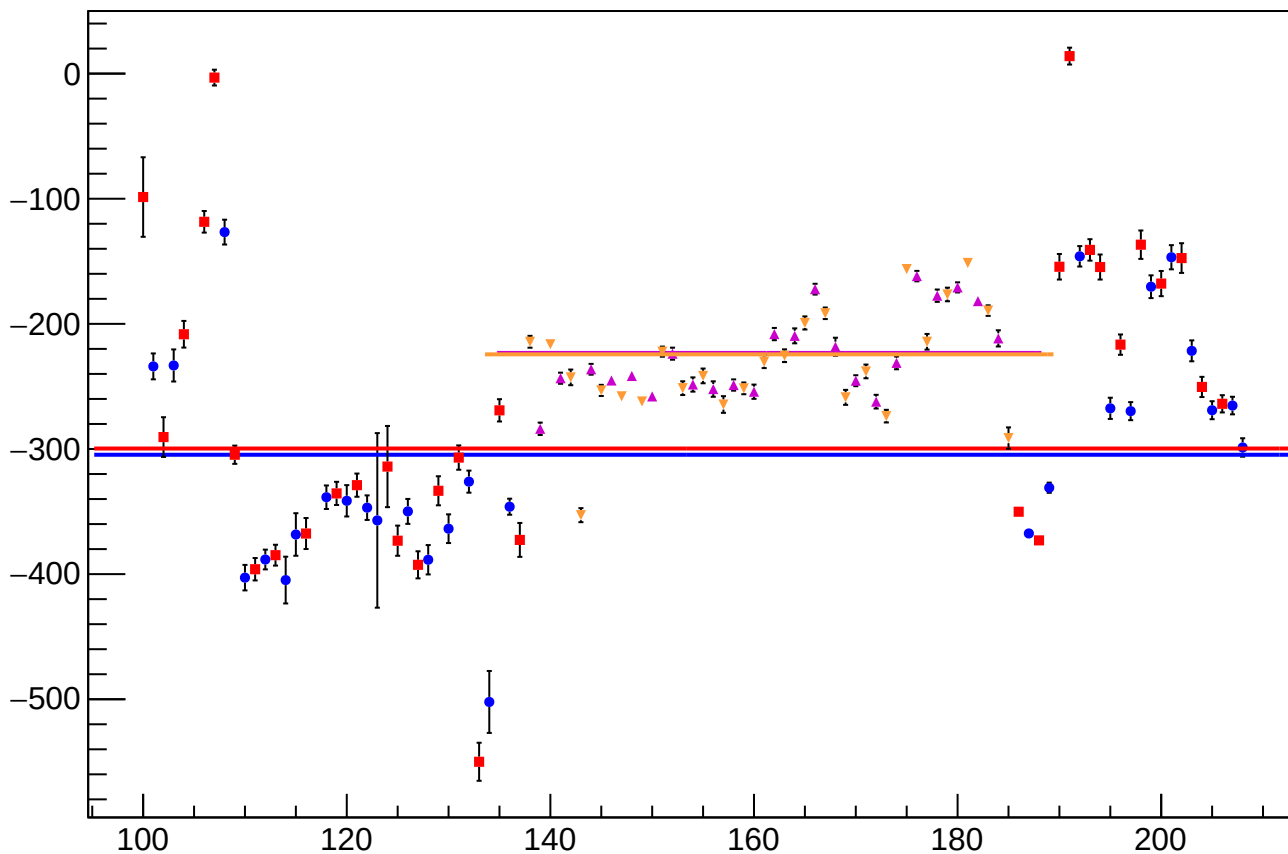
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 6.331 ± 0.620 $\chi^2/\text{NDF}: 1614.7/52$

All: 6.015 ± 0.434 $\chi^2/\text{NDF}: 3125.2/106$

- sign 5.711 ± 0.607 $\chi^2/\text{NDF}: 1510.0/53$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -304.603+/-1.550 χ^2/NDF : 2249.0/27

Left Out: -224.364+/-0.956 χ^2/NDF : 2103.2/24

Right Out: -299.618+/-1.236 χ^2/NDF : 8658.8/30

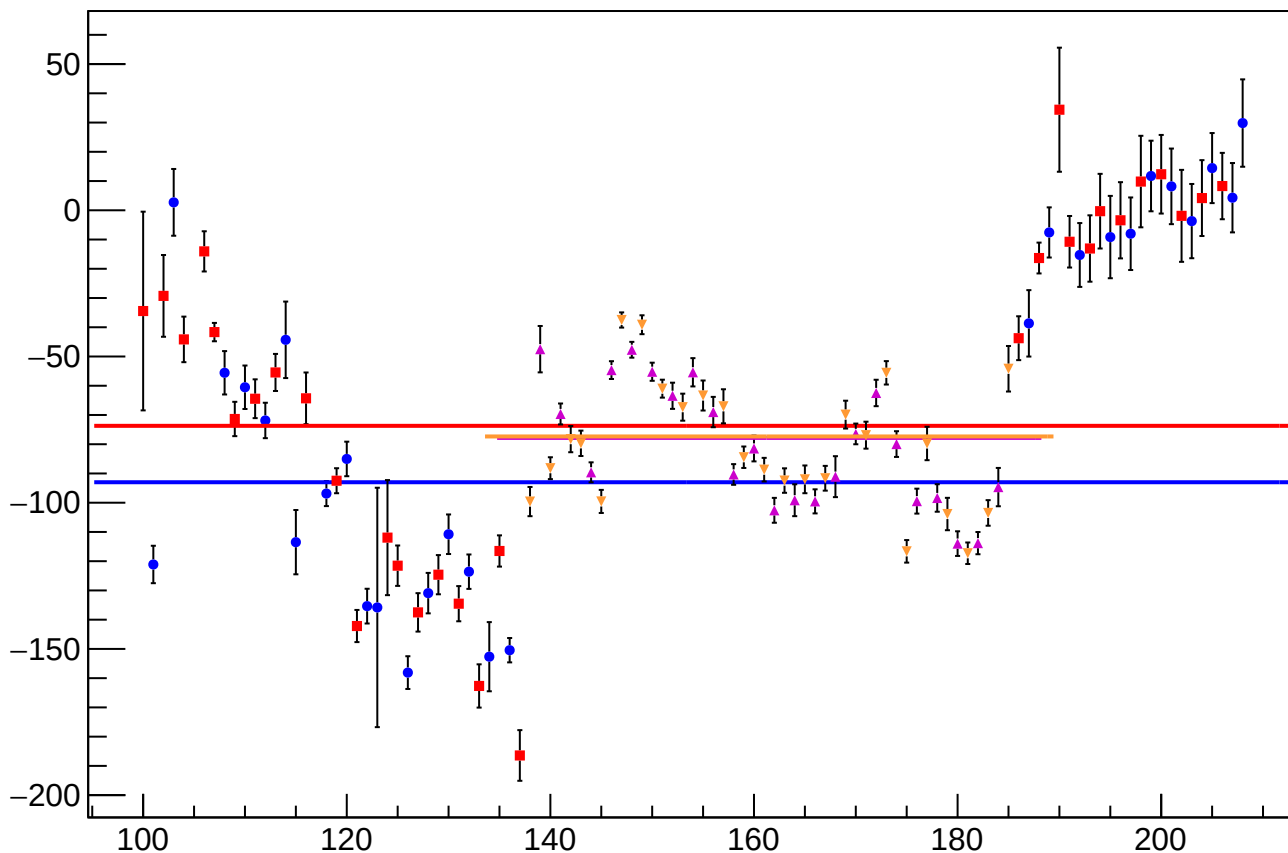
Left In: -223.223+/-0.969 χ^2/NDF : 1269.3/22

+ sign -246.487+/-0.814 χ^2/NDF : 6294.4/52

All: -249.581+/-0.556 χ^2/NDF : 18614.7/106

- sign -252.301+/-0.763 χ^2/NDF : 12293.1/53

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -93.000 ± 1.460 $\chi^2/\text{NDF}: 1289.6/27$

Left Out: -77.343 ± 0.827 $\chi^2/\text{NDF}: 846.2/24$

Right Out: -73.709 ± 1.289 $\chi^2/\text{NDF}: 1555.9/30$

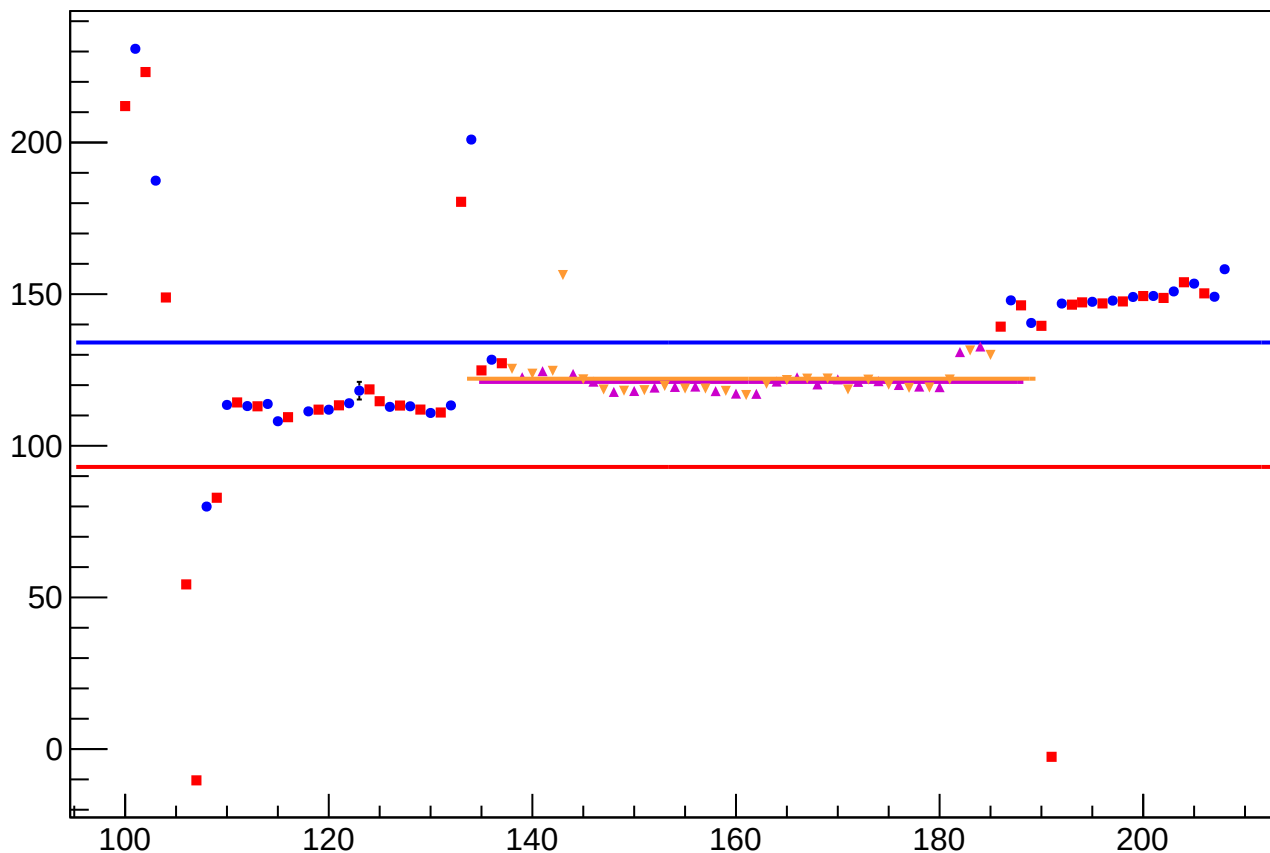
Left In: -77.838 ± 0.849 $\chi^2/\text{NDF}: 622.8/22$

+ sign -81.144 ± 0.719 $\chi^2/\text{NDF}: 2222.9/52$

All: -78.834 ± 0.505 $\chi^2/\text{NDF}: 4429.1/106$

- sign -76.590 ± 0.709 $\chi^2/\text{NDF}: 2185.8/53$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 134.058 $\pm$ 0.074 χ^2 /NDF: 206116.2/27

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

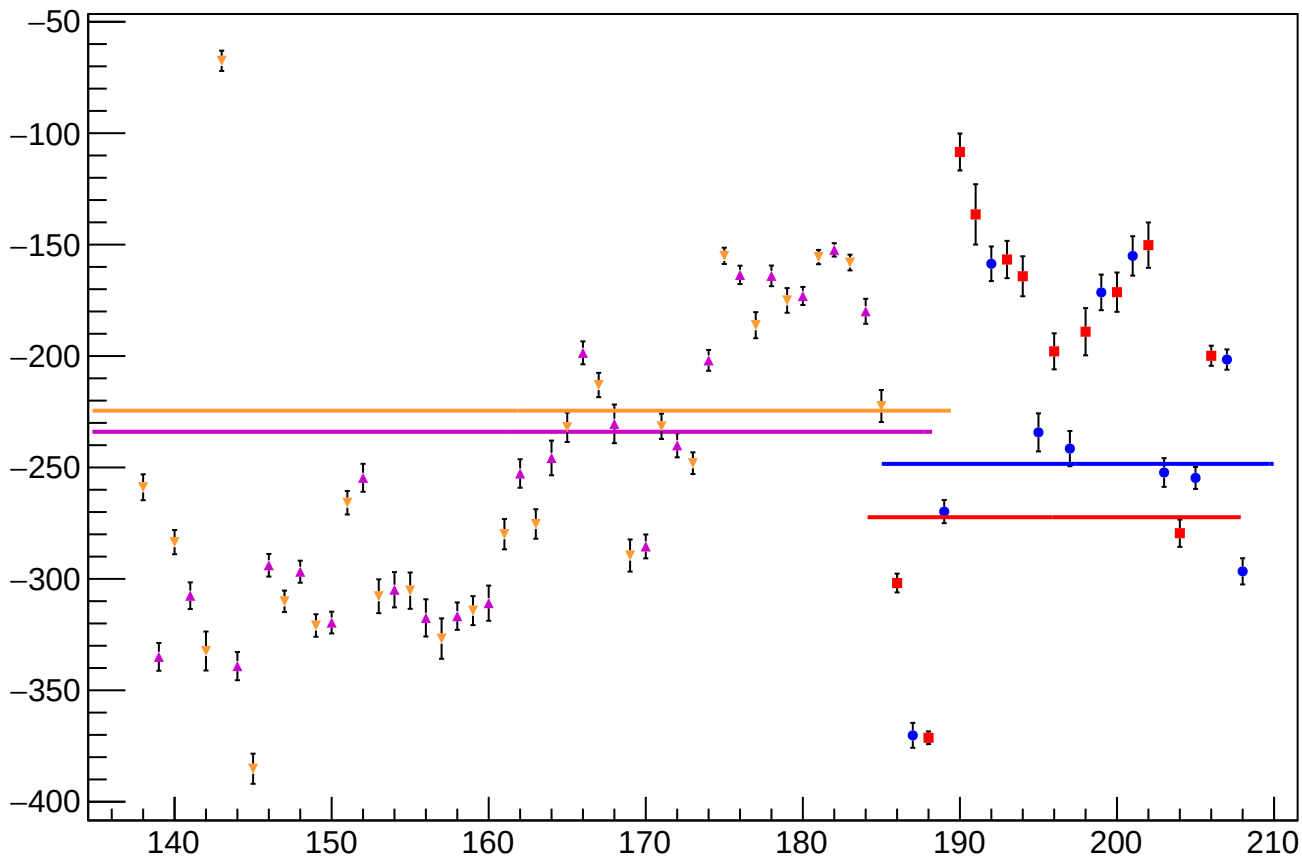
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 124.757 $\pm$ 0.035 χ^2 /NDF: 256874.3/52

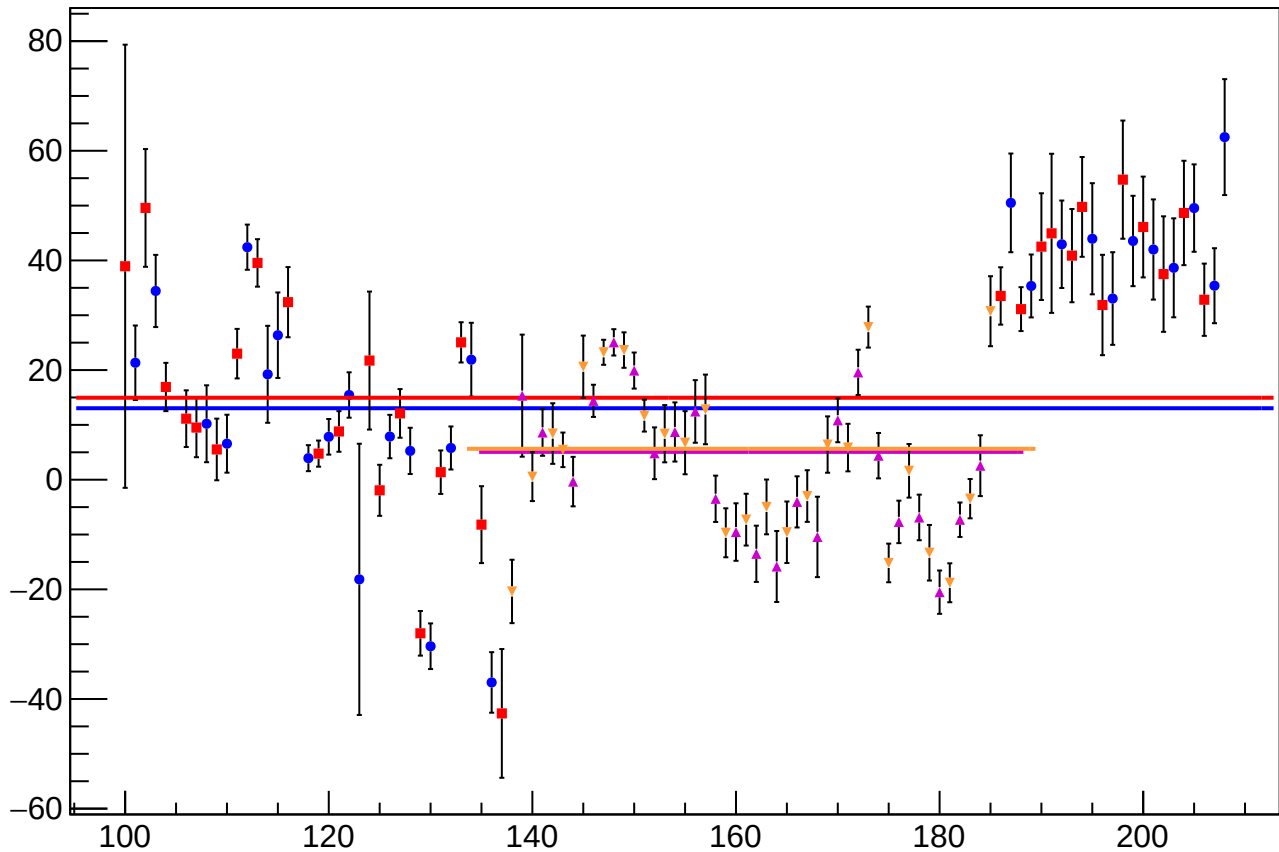
All: 118.639 $\pm$ 0.024 χ^2 /NDF: 1598019.6/100

- sign 112.962 $\pm$ 0.034 χ^2 /NDF: 1281509.7/53

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.038 ± 1.007 $\chi^2/\text{NDF}: 434.9/27$

Left Out: 5.638 ± 0.828 $\chi^2/\text{NDF}: 313.6/24$

Right Out: 14.950 ± 0.960 $\chi^2/\text{NDF}: 376.9/30$

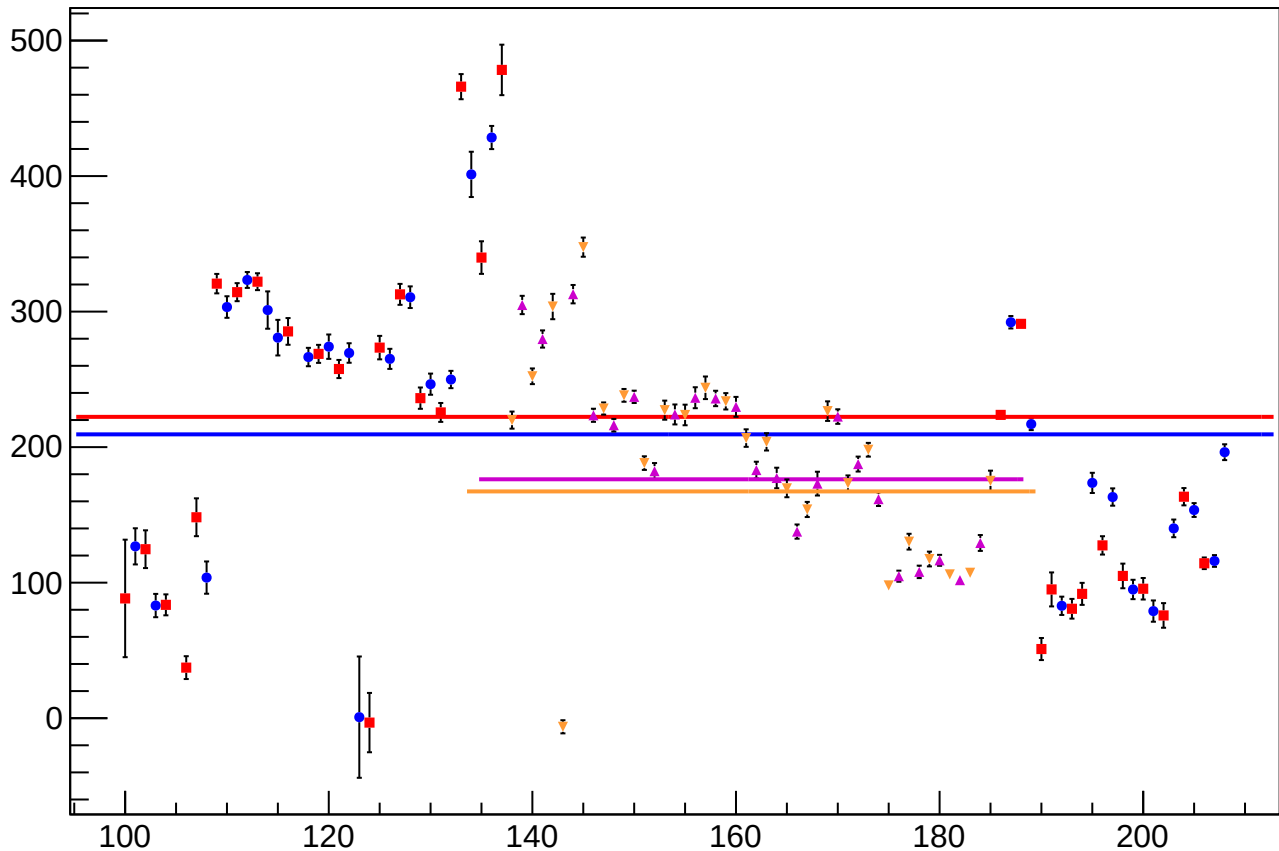
Left In: 5.077 ± 0.869 $\chi^2/\text{NDF}: 239.7/22$

+ sign 8.622 ± 0.640 $\chi^2/\text{NDF}: 780.8/52$

All: 9.069 ± 0.454 $\chi^2/\text{NDF}: 1456.5/106$

- sign 9.522 ± 0.644 $\chi^2/\text{NDF}: 674.7/53$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 209.427 $\pm$ 1.323 χ^2 /NDF: 4195.9/27

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

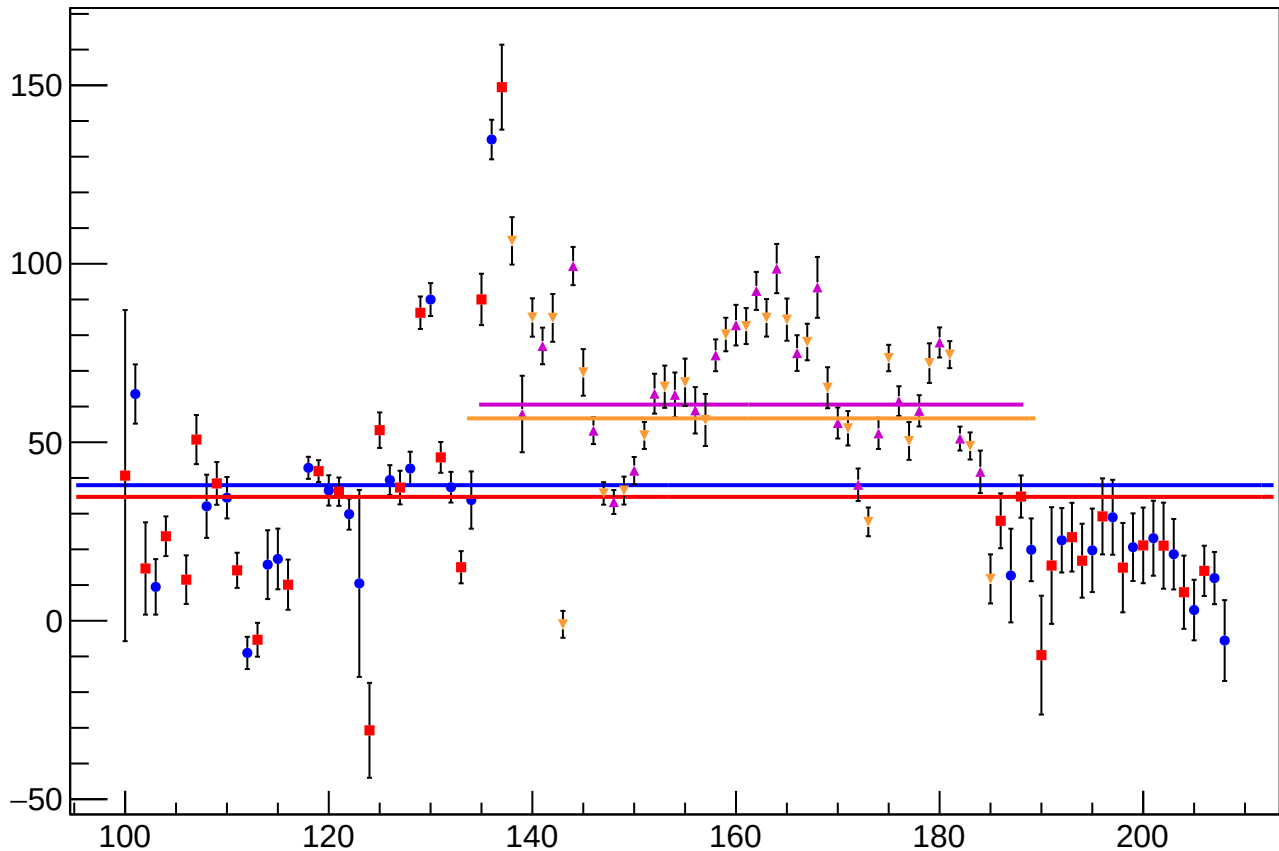
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 184.213 $\pm$ 0.838 χ^2 /NDF: 9257.1/52

All: 191.377 $\pm$ 0.580 χ^2 /NDF: 19955.8/106

- sign 197.977 $\pm$ 0.804 χ^2 /NDF: 10558.3/53

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 37.977 ± 1.169 $\chi^2/\text{NDF}: 652.0/27$

Left Out: 56.695 ± 0.952 $\chi^2/\text{NDF}: 690.4/24$

Right Out: 34.698 ± 1.127 $\chi^2/\text{NDF}: 509.7/30$

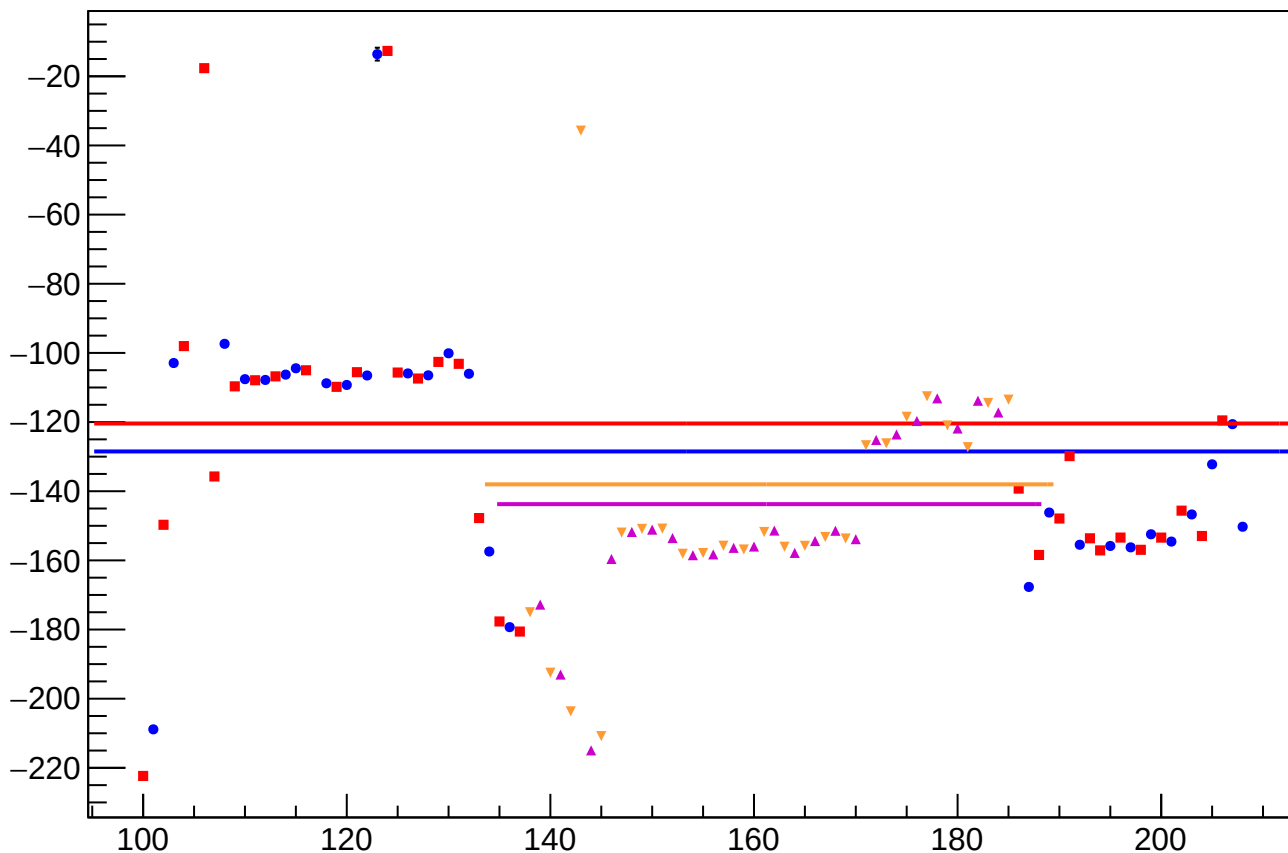
Left In: 60.555 ± 0.990 $\chi^2/\text{NDF}: 335.6/22$

+ sign 49.233 ± 0.738 $\chi^2/\text{NDF}: 1496.6/52$

All: 49.262 ± 0.524 $\chi^2/\text{NDF}: 2639.0/106$

- sign 49.291 ± 0.744 $\chi^2/\text{NDF}: 1142.4/53$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -128.497 ± 0.062 $\chi^2/\text{NDF}: 208166.0/27$

Left Out: -138.008 ± 0.045 $\chi^2/\text{NDF}: 565767.2/24$

Right Out: -120.414 ± 0.059 $\chi^2/\text{NDF}: 455065.4/30$

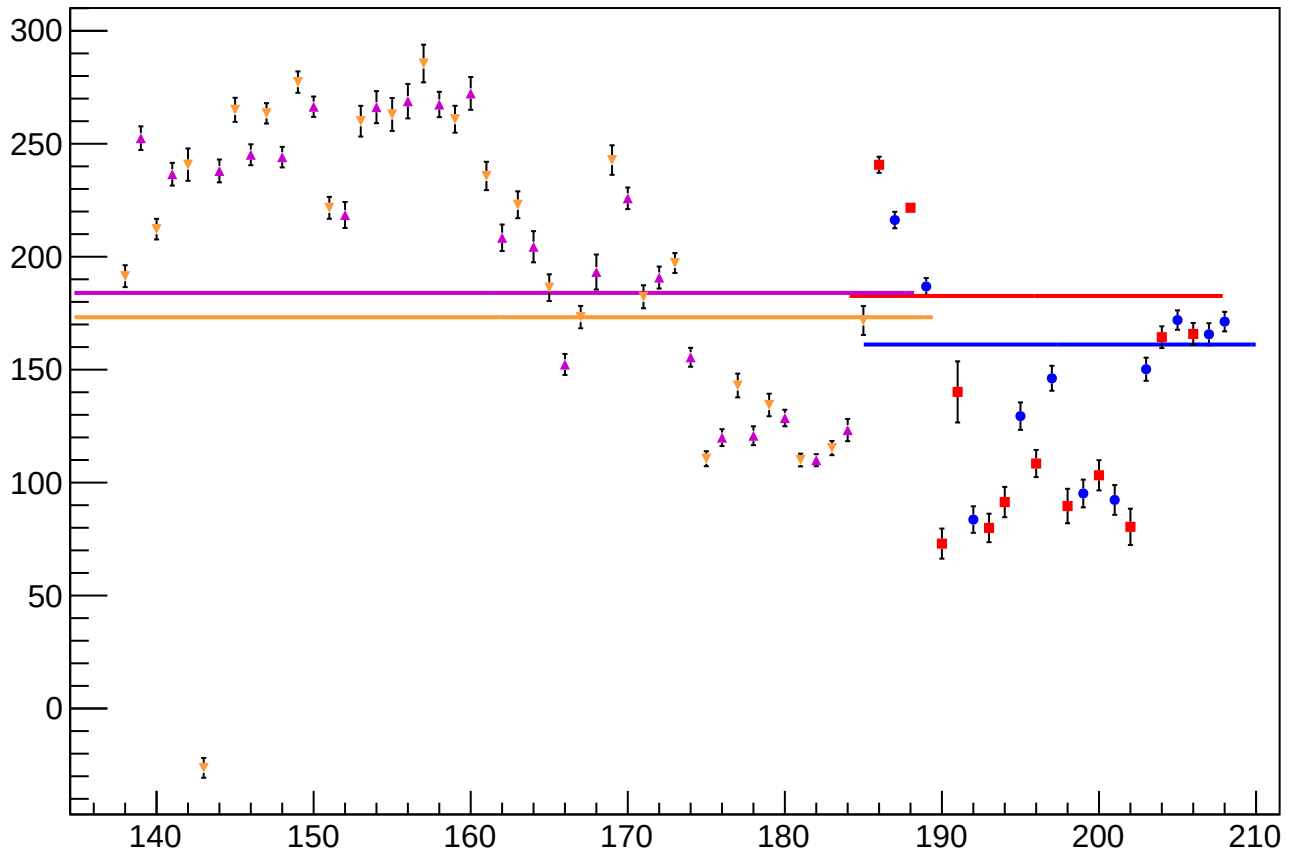
Left In: -143.735 ± 0.046 $\chi^2/\text{NDF}: 258408.3/22$

+ sign -134.748 ± 0.037 $\chi^2/\text{NDF}: 789158.9/52$

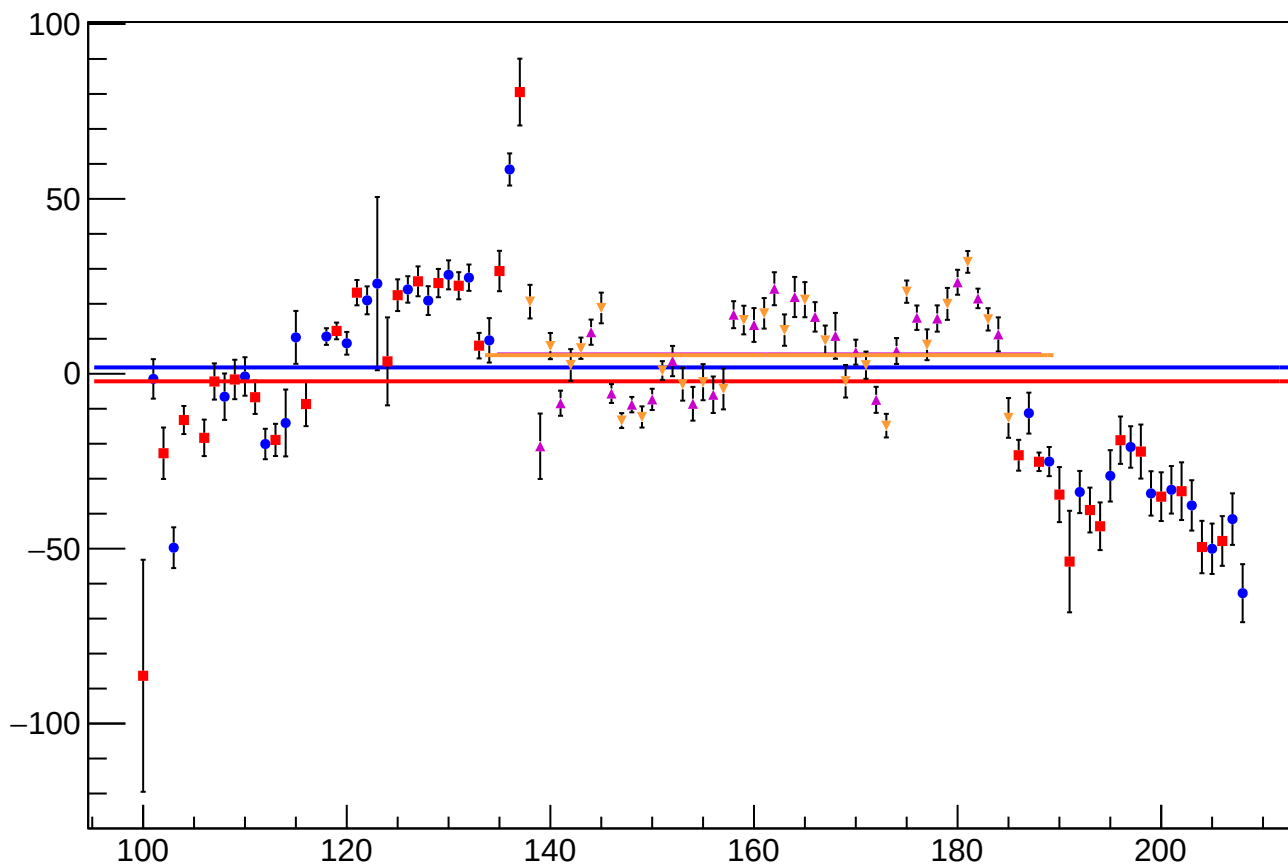
All: -134.801 ± 0.026 $\chi^2/\text{NDF}: 1600105.2/10$

- sign -134.853 ± 0.036 $\chi^2/\text{NDF}: 810942.2/53$

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 1.818 ± 0.935 χ^2/NDF : 798.7/27

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -2.155 ± 0.883 χ^2/NDF : 746.6/30

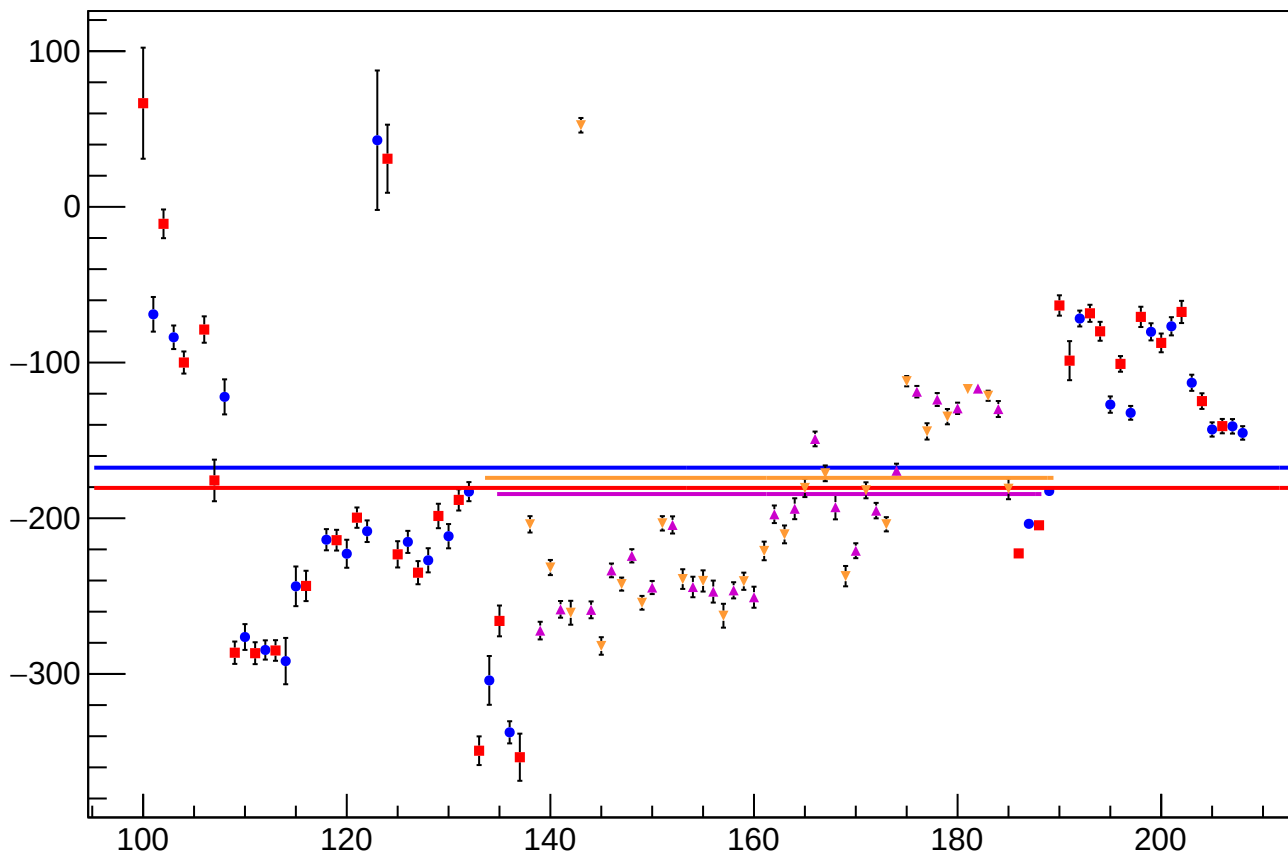
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 3.957 ± 0.584 χ^2/NDF : 1152.8/52

All: 3.058 ± 0.413 χ^2/NDF : 2202.9/106

- sign 2.156 ± 0.585 χ^2/NDF : 1045.4/53

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -167.519+/-1.097 χ^2/NDF : 3119.4/27

Left Out: -174.061+/-0.971 χ^2/NDF : 5443.3/24

Right Out: -180.513+/-0.943 χ^2/NDF : 4904.2/30

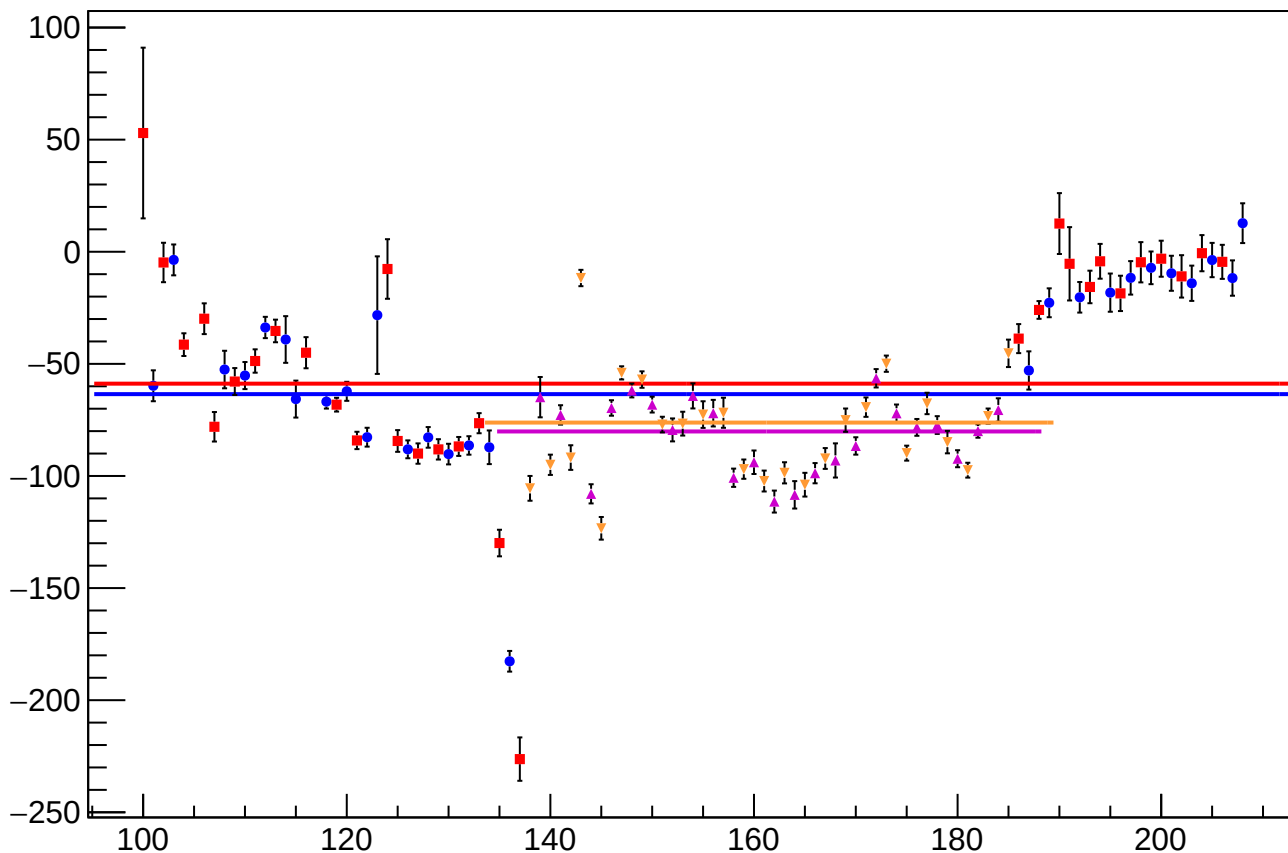
Left In: -184.456+/-0.991 χ^2/NDF : 3051.6/22

+ sign -171.188+/-0.727 χ^2/NDF : 8582.6/52

All: -177.138+/-0.498 χ^2/NDF : 16672.7/106

- sign -182.387+/-0.683 χ^2/NDF : 7964.1/53

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -63.500 ± 1.091 $\chi^2/\text{NDF}: 1428.8/27$

Left Out: -76.182 ± 0.857 $\chi^2/\text{NDF}: 801.0/24$

Right Out: -58.827 ± 1.051 $\chi^2/\text{NDF}: 1242.0/30$

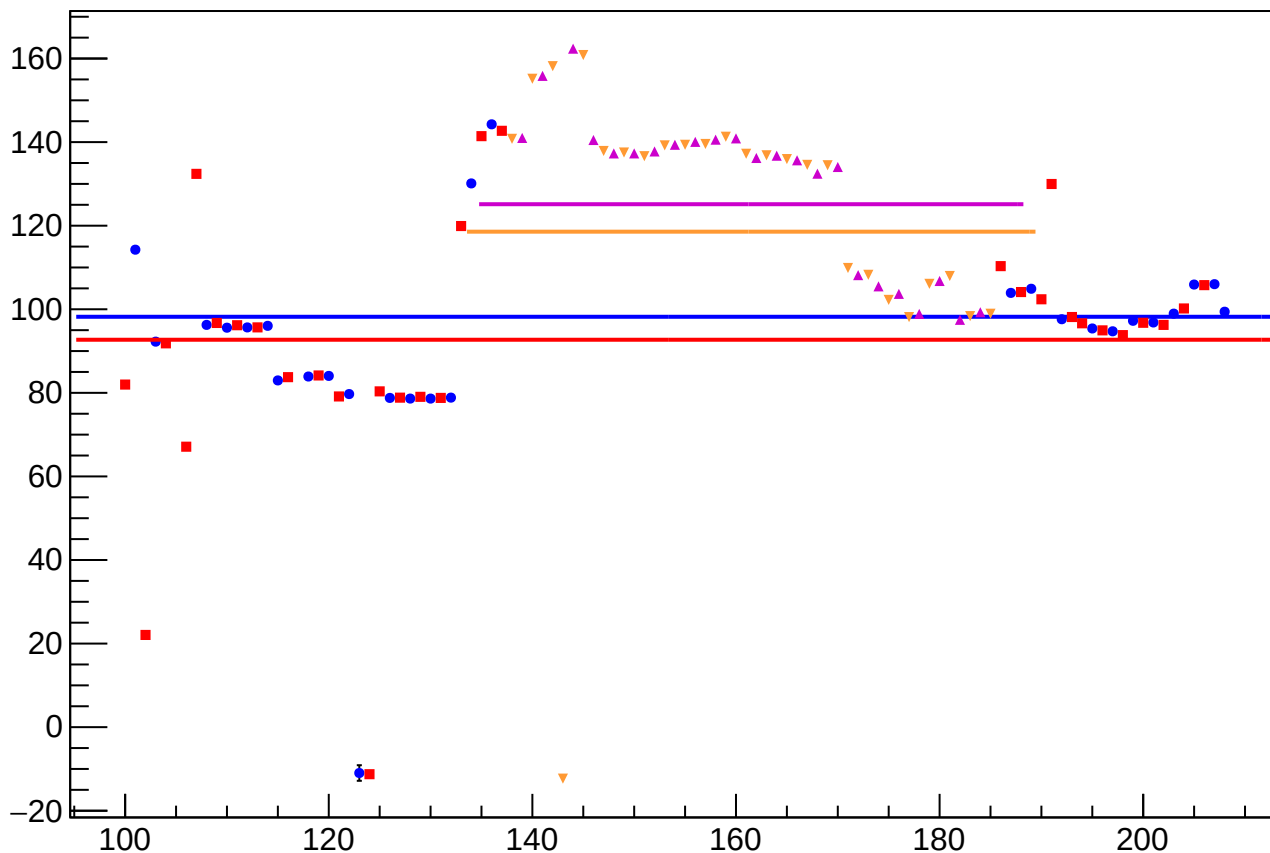
Left In: -80.149 ± 0.889 $\chi^2/\text{NDF}: 283.3/22$

+ sign -71.343 ± 0.674 $\chi^2/\text{NDF}: 2313.3/52$

All: -71.300 ± 0.478 $\chi^2/\text{NDF}: 4078.4/106$

- sign -71.257 ± 0.679 $\chi^2/\text{NDF}: 1765.1/53$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.205 +/- 0.055 χ^2/NDF : 96089.3/27

Left Out: 118.569 +/- 0.040 χ^2/NDF : 728689.7/24

Right Out: 92.708 +/- 0.052 χ^2/NDF : 243165.7/30

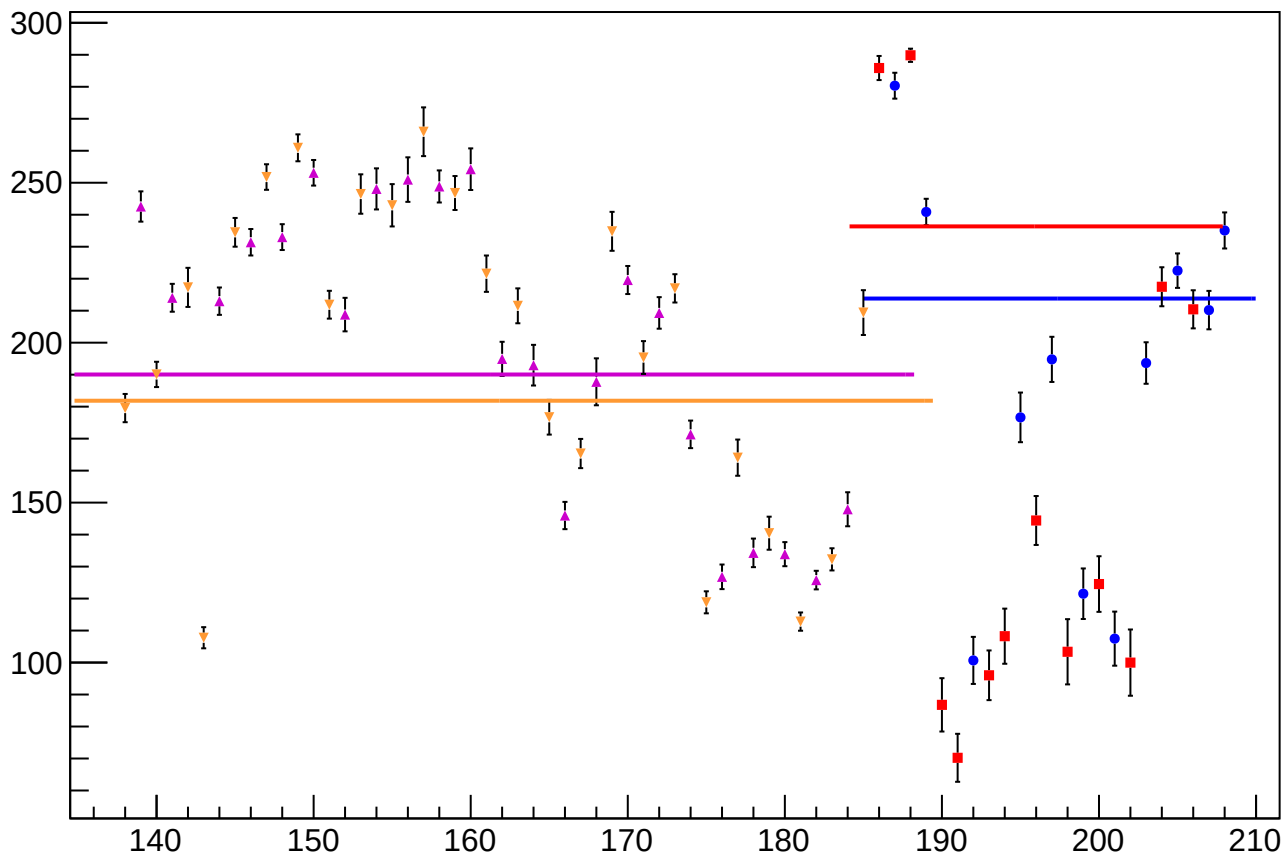
Left In: 125.139 +/- 0.041 χ^2/NDF : 220927.1/22

+ sign 111.400 +/- 0.033 χ^2/NDF : 913808.2/52

All: 111.949 +/- 0.023 χ^2/NDF : 1619240.1/106

- sign 112.486 +/- 0.032 χ^2/NDF : 704871.2/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 213.795 ± 1.760 $\chi^2/\text{NDF}: 901.6/10$

Left Out: 181.850 ± 0.913 $\chi^2/\text{NDF}: 3303.4/24$

Right Out: 236.352 ± 1.457 $\chi^2/\text{NDF}: 2883.9/11$

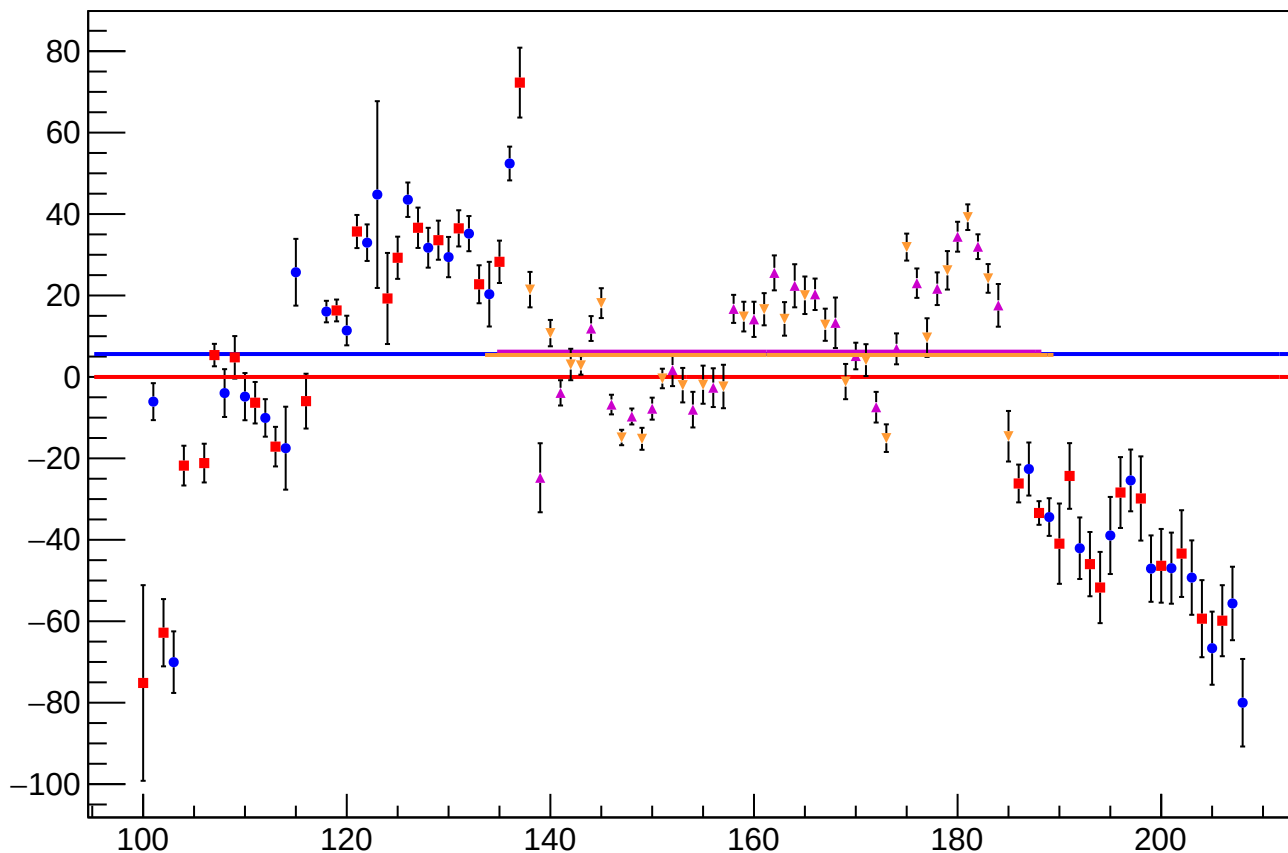
Left In: 190.048 ± 0.953 $\chi^2/\text{NDF}: 2438.4/22$

+ sign 188.626 ± 0.811 $\chi^2/\text{NDF}: 4464.5/35$

All: 196.396 ± 0.569 $\chi^2/\text{NDF}: 10674.8/70$

- 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: 5.621 ± 1.041 χ^2/NDF : 963.9/27

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: -0.010 ± 0.938 χ^2/NDF : 978.6/30

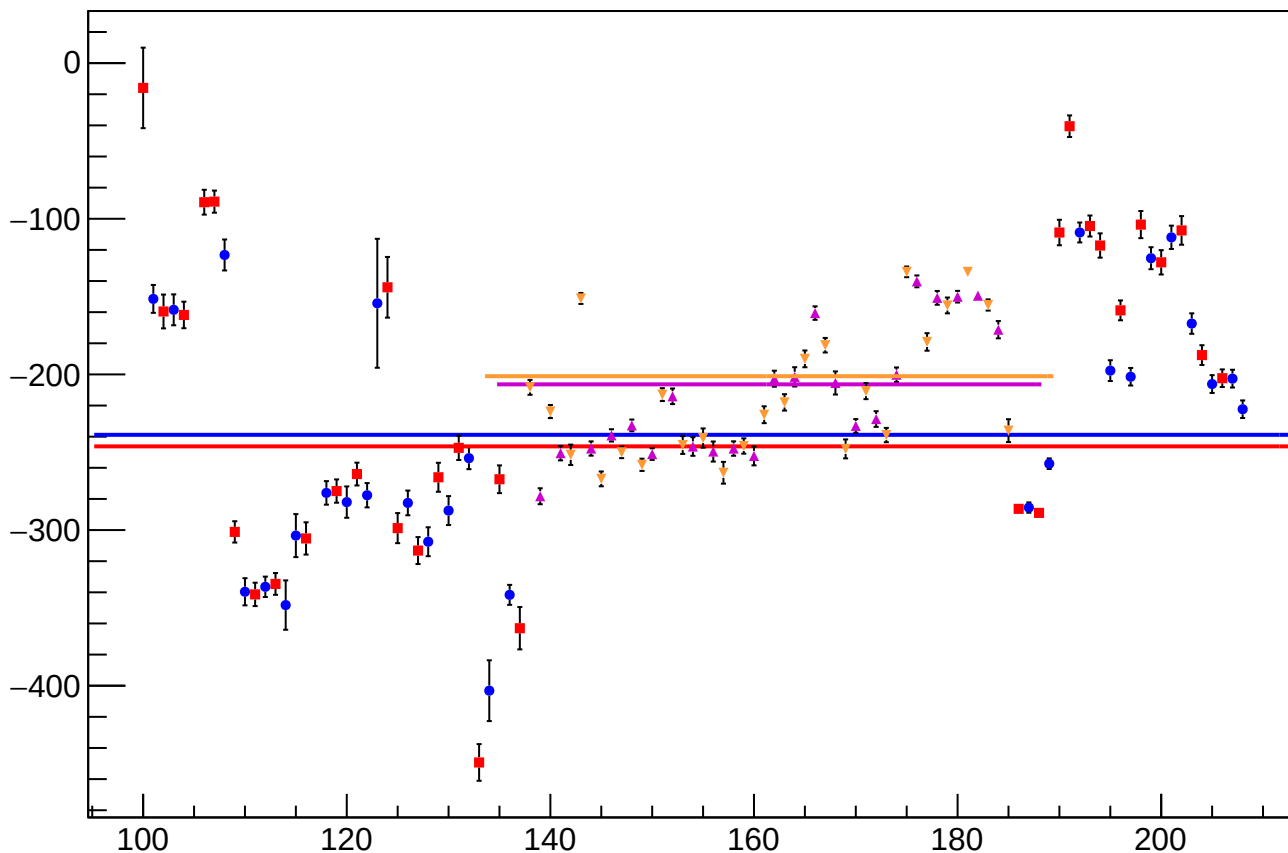
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 5.463 ± 0.574 χ^2/NDF : 1490.5/52

All: 4.662 ± 0.407 χ^2/NDF : 2907.8/106

- 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: -238.806 ± 1.274 χ^2/NDF : 2700.6/27

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -246.228 ± 1.046 χ^2/NDF : 5821.8/30

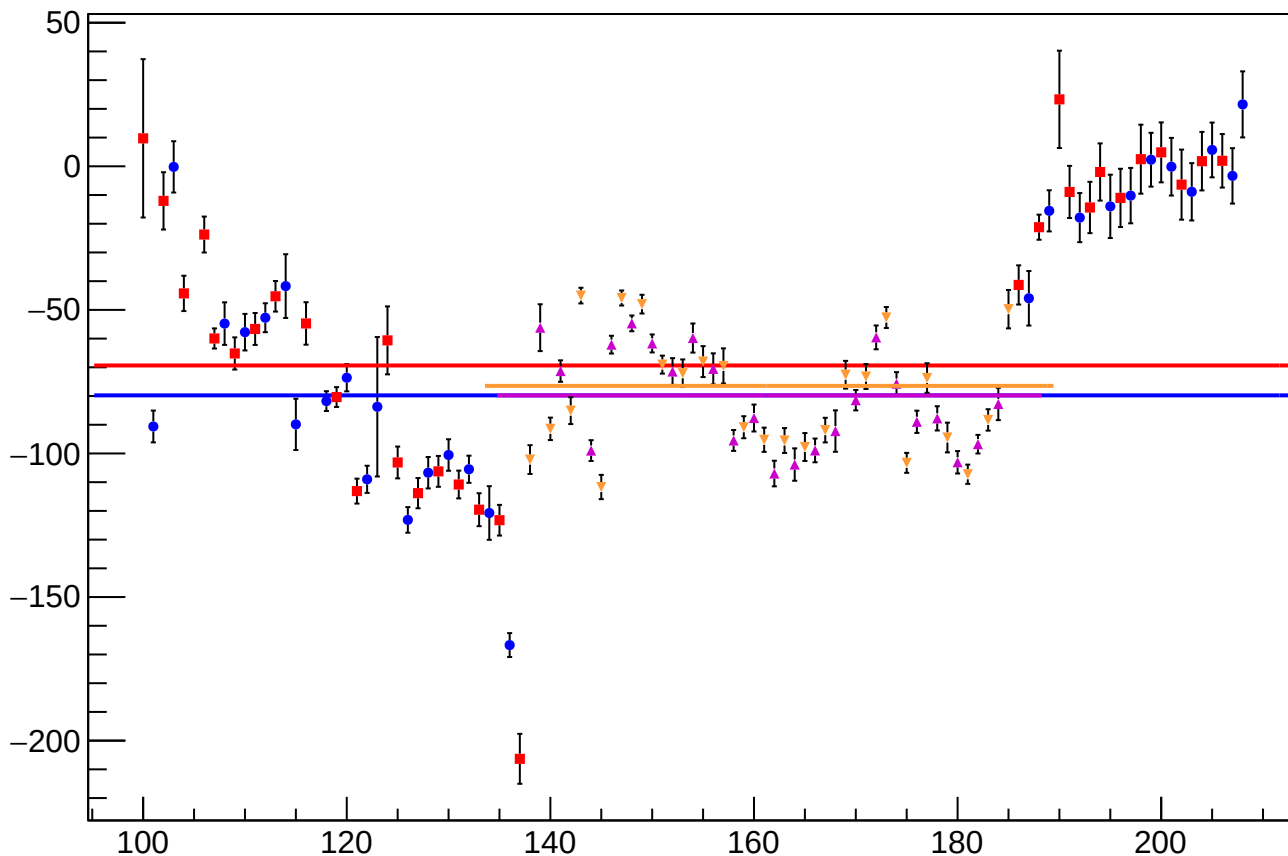
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -214.016 ± 0.745 χ^2/NDF : 5764.9/52

All: -219.493 ± 0.511 χ^2/NDF : 14596.0/106

- 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: -79.767 ± 1.215 $\chi^2/\text{NDF}: 1450.4/27$

Left Out: -76.460 ± 0.797 $\chi^2/\text{NDF}: 781.3/24$

Right Out: -69.355 ± 1.120 $\chi^2/\text{NDF}: 1465.8/30$

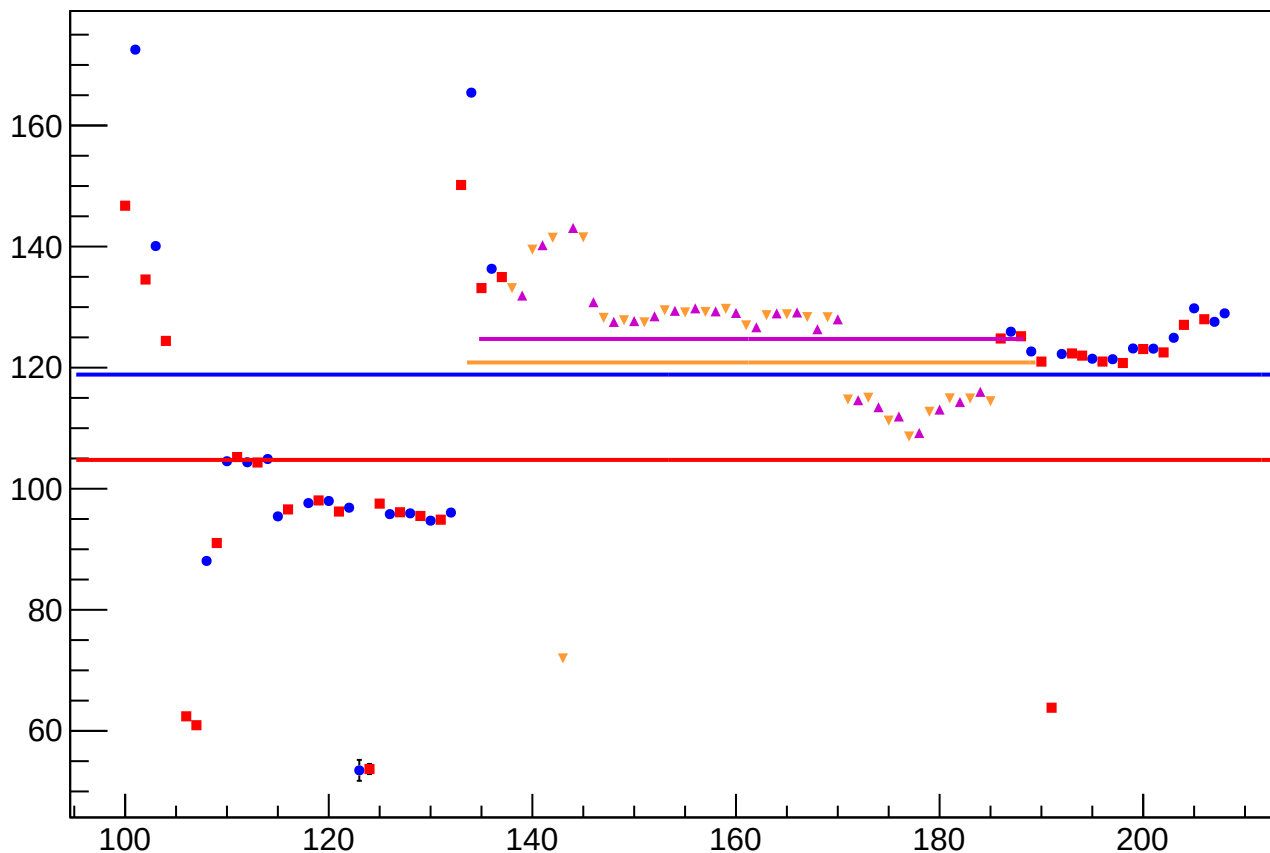
Left In: -79.792 ± 0.840 $\chi^2/\text{NDF}: 412.3/22$

+ sign -77.454 ± 0.666 $\chi^2/\text{NDF}: 2237.0/52$

All: -76.752 ± 0.473 $\chi^2/\text{NDF}: 4172.9/106$

- sign -76.037 ± 0.672 $\chi^2/\text{NDF}: 1933.7/53$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 118.854 $\pm$ 0.063 χ^2 /NDF: 109914.9/27

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

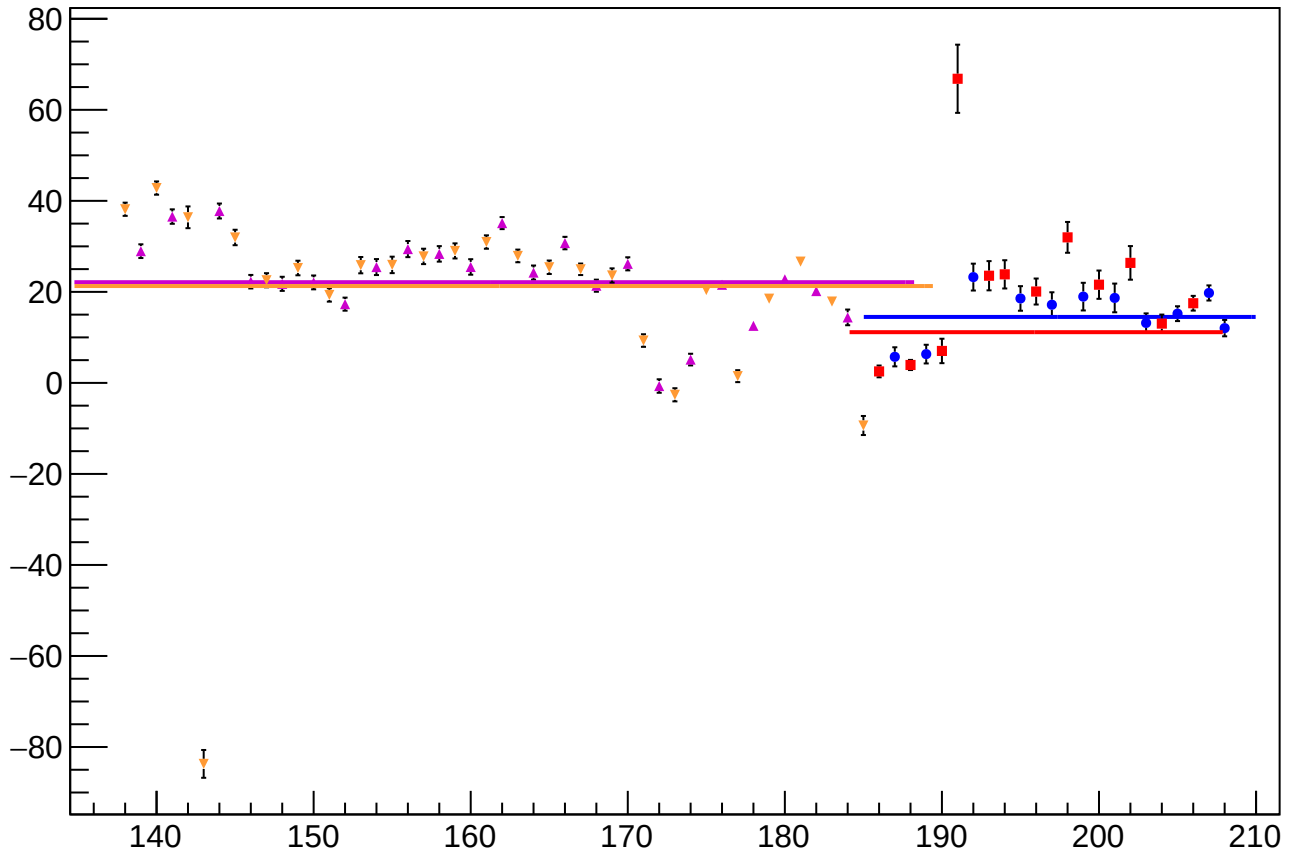
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 120.315 $\pm$ 0.033 χ^2 /NDF: 293420.5/52

All: 119.142 $\pm$ 0.023 χ^2 /NDF: 677298.0/106

- 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: 14.495 ± 0.655 χ^2/NDF : 61.7/10

Left Out: 21.282 ± 0.282 χ^2/NDF : 2600.5/24

Right Out: 11.145 ± 0.600 χ^2/NDF : 267.7/11

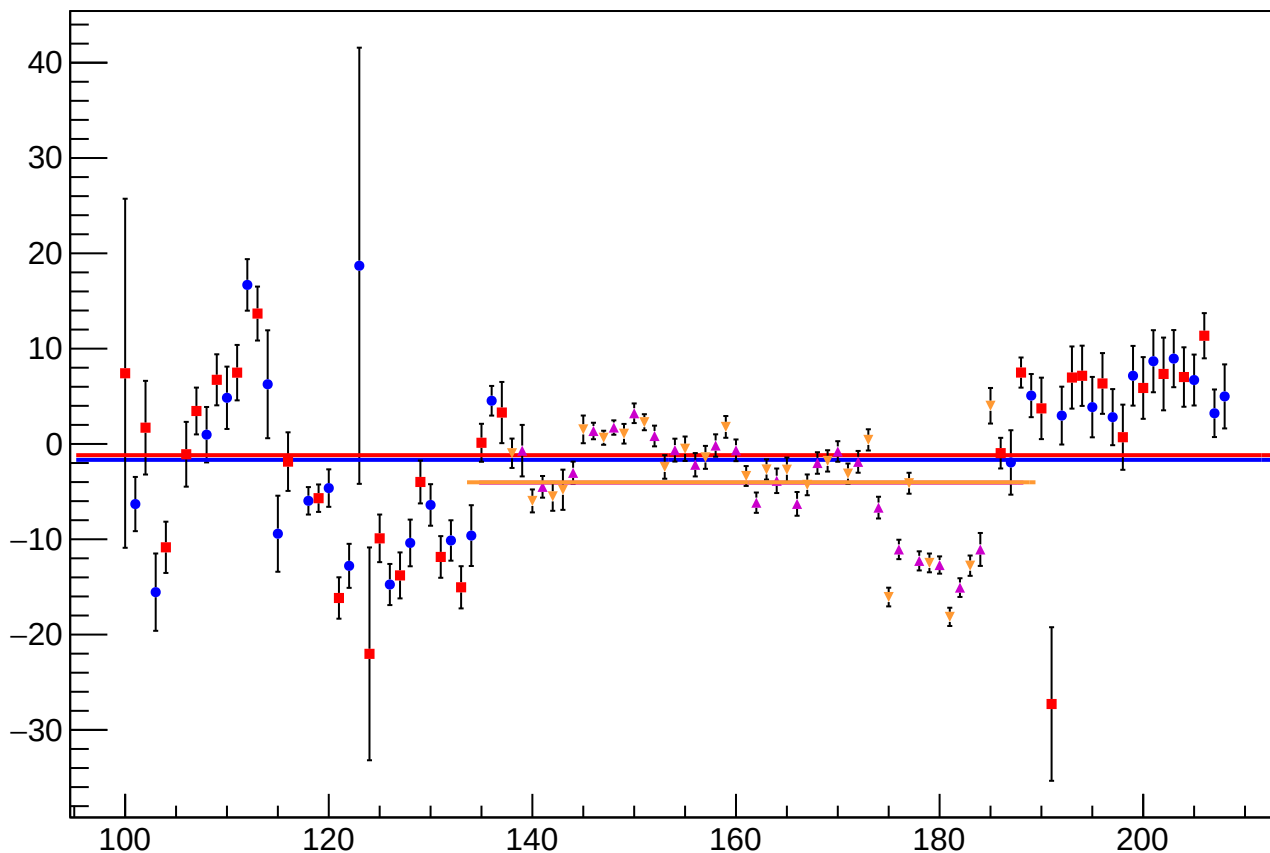
Left In: 22.127 ± 0.285 χ^2/NDF : 900.2/22

+ sign 20.217 ± 0.259 χ^2/NDF : 2752.9/35

All: 20.156 ± 0.183 χ^2/NDF : 4194.4/70

- 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: -1.669 ± 0.489 χ^2/NDF : 263.0/27

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -1.176 ± 0.464 χ^2/NDF : 336.2/30

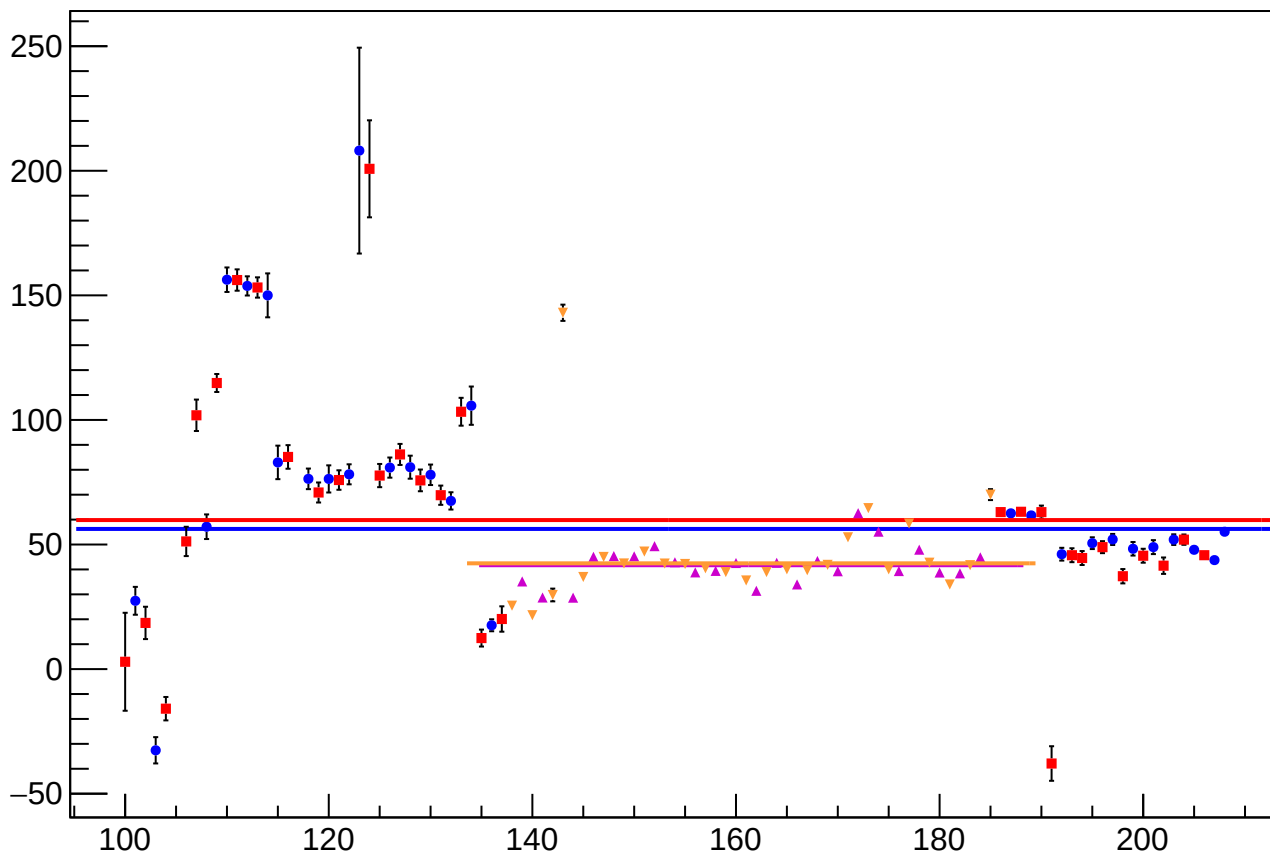
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.616 ± 0.203 χ^2/NDF : 1016.3/52

All: -3.558 ± 0.144 χ^2/NDF : 1961.0/106

- sign -3.498 ± 0.205 χ^2/NDF : 944.5/53

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 56.254 $\pm$ 0.529 χ^2 /NDF: 2134.3/27

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 59.816 $\pm$ 0.465 χ^2 /NDF: 2627.7/30

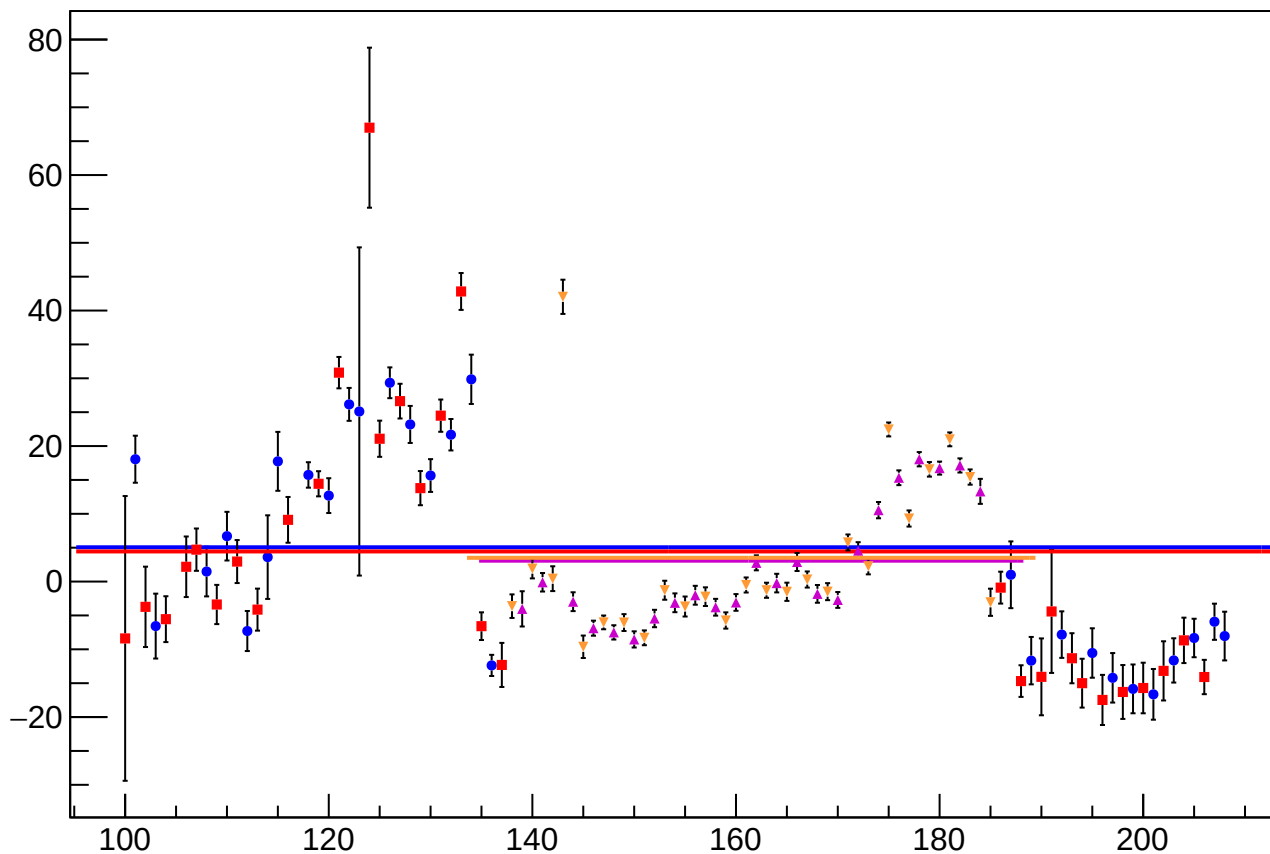
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 45.508 $\pm$ 0.249 χ^2 /NDF: 4681.1/52

All: 46.080 $\pm$ 0.174 χ^2 /NDF: 9055.2/106

- sign 46.622 $\pm$ 0.242 χ^2 /NDF: 4363.9/53

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 5.060 $\pm$ 0.560 χ^2 /NDF: 793.4/27

Left Out: 3.505 $\pm$ 0.252 χ^2 /NDF:1691.3/24

Right Out: 4.445 $\pm$ 0.549 χ^2 /NDF: 975.7/30

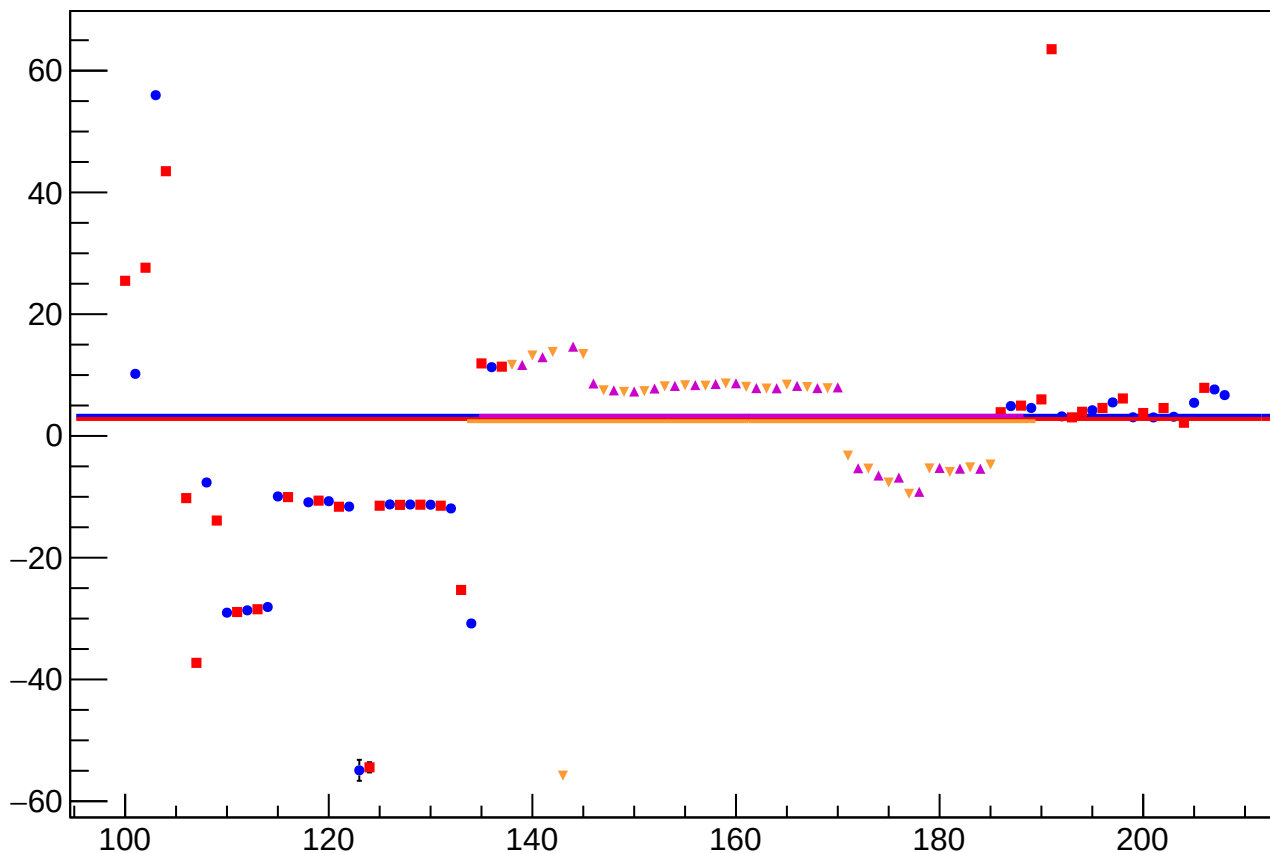
Left In: 3.081 $\pm$ 0.257 χ^2 /NDF:1265.7/22

+ sign 3.767 $\pm$ 0.230 χ^2 /NDF: 2491.2/52

All: 3.550 $\pm$ 0.164 χ^2 /NDF: 4739.4/106

- sign 3.327 $\pm$ 0.233 χ^2 /NDF: 2246.5/53

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 3.308 $\pm$ 0.026 χ^2 /NDF: 362267.9/27

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

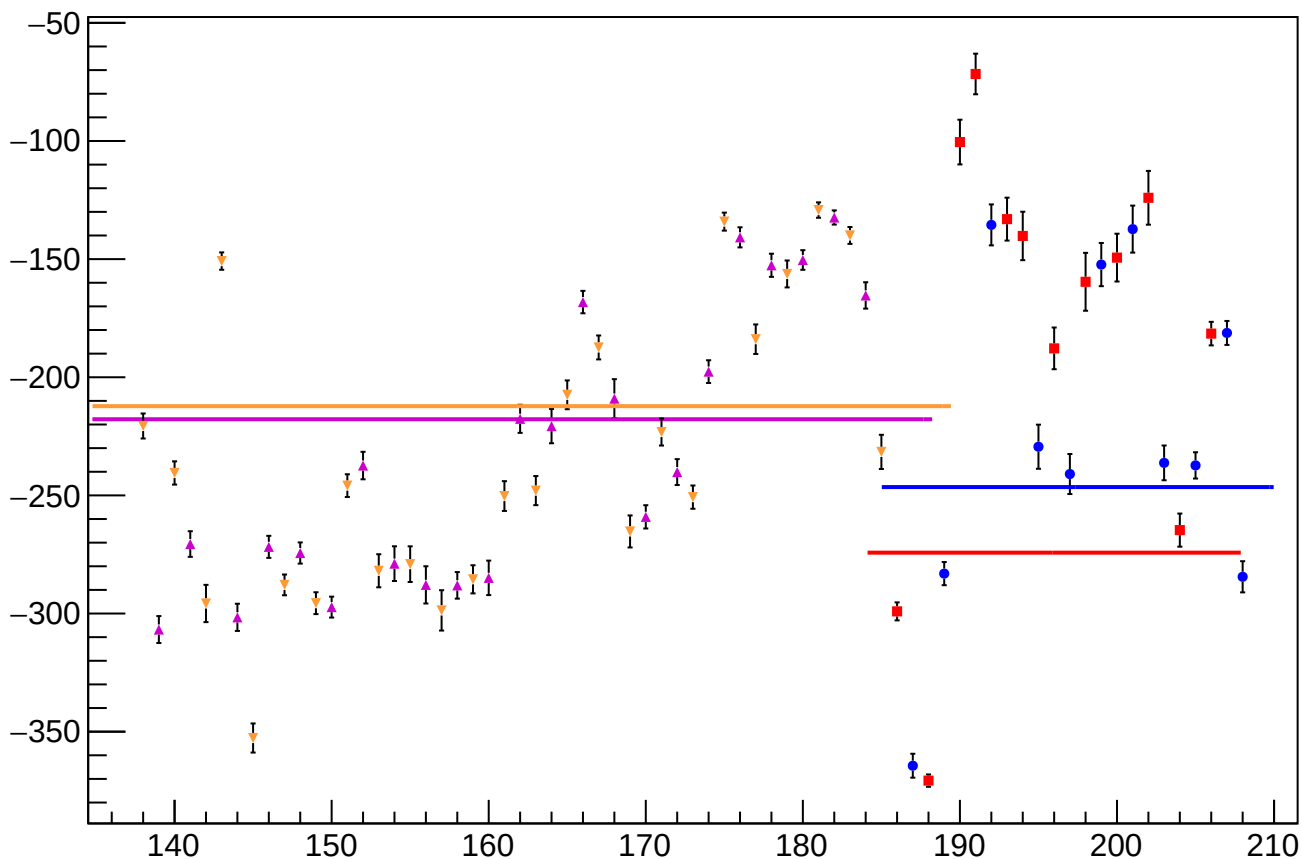
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.570 $\pm$ 0.011 χ^2 /NDF: 979605.3/52

All: 2.887 $\pm$ 0.007 χ^2 /NDF: 1820307.6/106

- 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: -246.477 ± 1.983 $\chi^2/\text{NDF}: 1196.2/10$

Left Out: -212.231 ± 1.029 $\chi^2/\text{NDF}: 3875.4/24$

Right Out: -274.233 ± 1.668 $\chi^2/\text{NDF}: 3570.6/11$

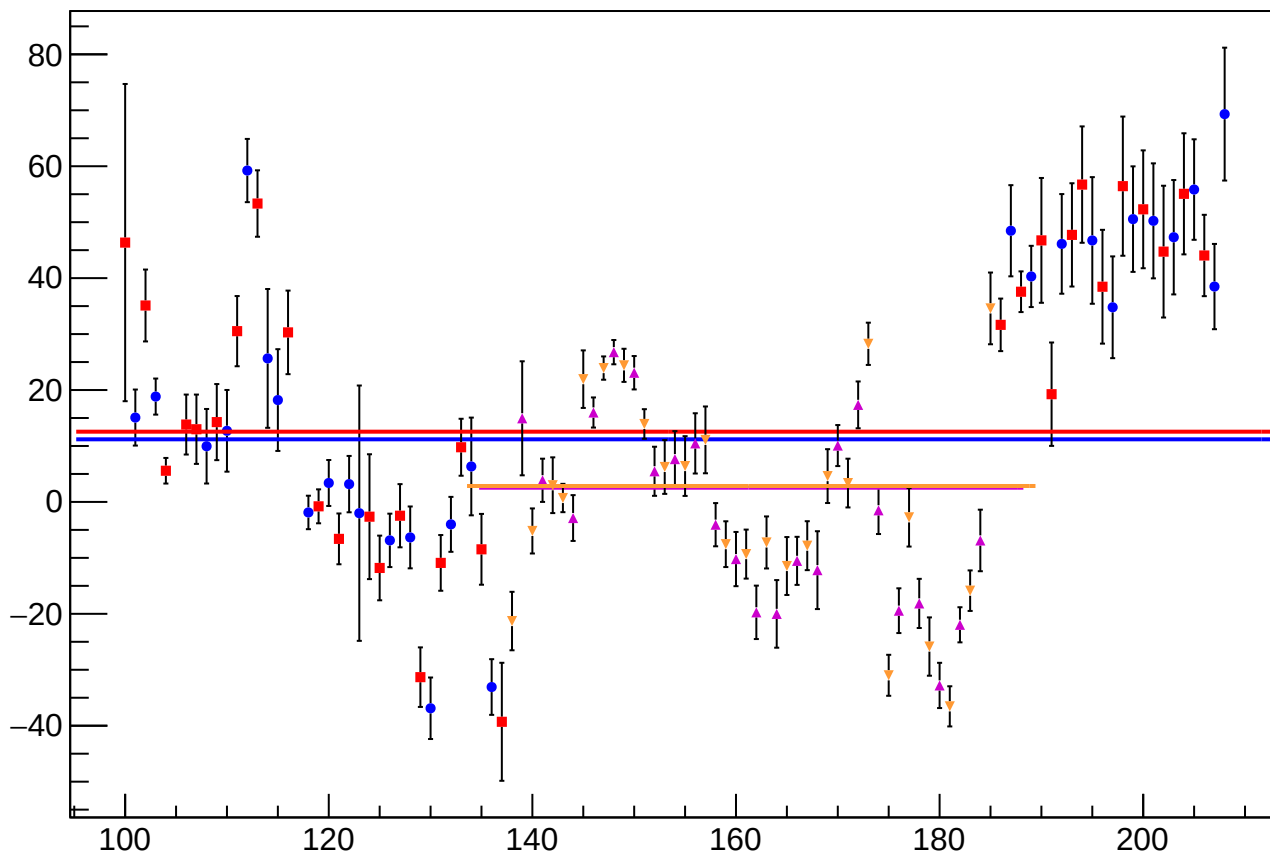
Left In: -217.779 ± 1.067 $\chi^2/\text{NDF}: 3448.9/22$

+ sign -219.498 ± 0.914 $\chi^2/\text{NDF}: 5306.4/35$

All: -226.954 ± 0.641 $\chi^2/\text{NDF}: 13269.9/70$

- 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: 11.189 $\pm$ 1.124 χ^2 /NDF: 483.0/27

Left Out: 2.848 $\pm$ 0.775 χ^2 /NDF: 582.1/24

Right Out: 12.556 $\pm$ 1.017 χ^2 /NDF: 454.8/30

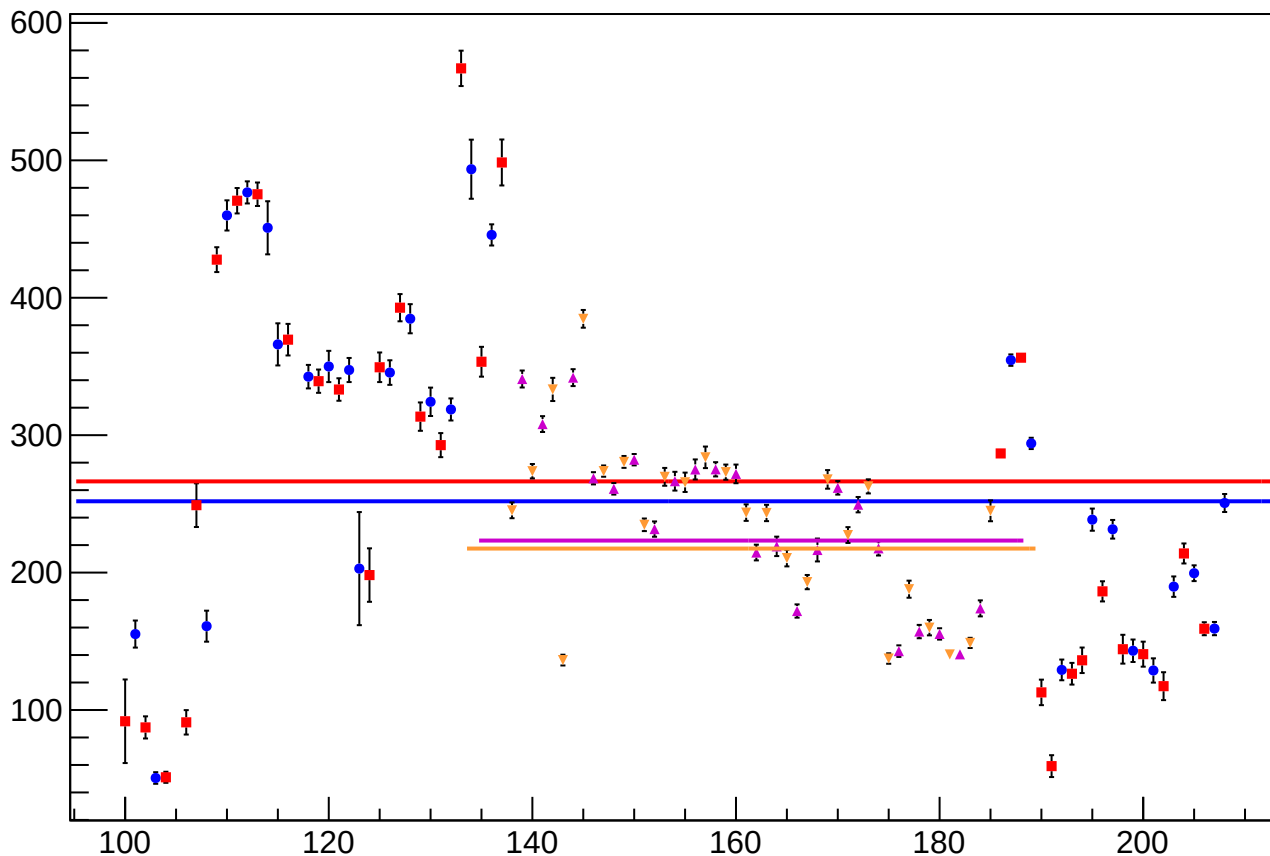
Left In: 2.540 $\pm$ 0.822 χ^2 /NDF: 473.6/22

+ sign 5.536 $\pm$ 0.638 χ^2 /NDF: 1102.5/52

All: 6.017 $\pm$ 0.452 χ^2 /NDF: 2090.7/106

- sign 6.500 $\pm$ 0.640 χ^2 /NDF: 987.0/53

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 251.890 $\pm$ 1.388 χ^2 /NDF: 7067.8/27

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

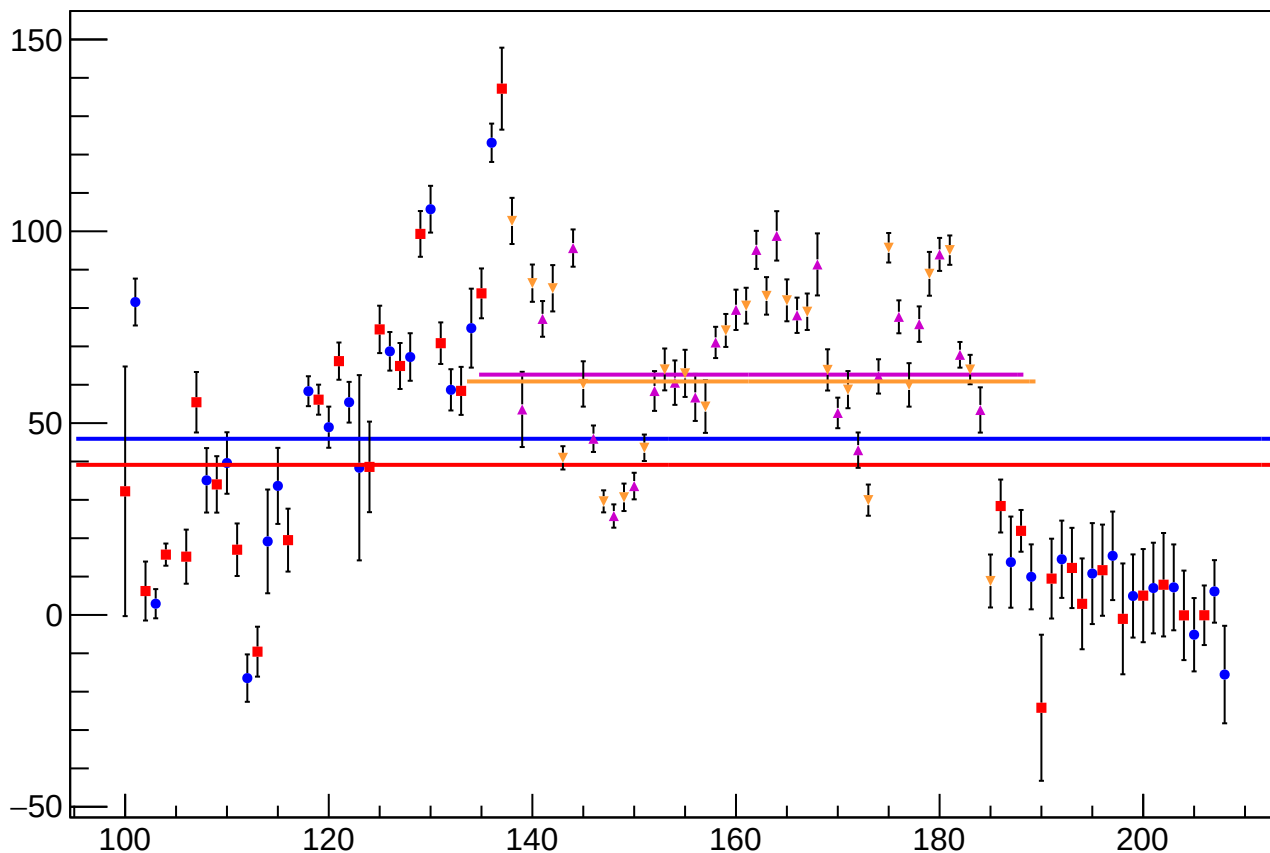
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 229.743 $\pm$ 0.828 χ^2 /NDF: 11233.0/52

All: 236.617 $\pm$ 0.570 χ^2 /NDF: 26516.8/106

- 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: 45.918 $\pm$ 1.311 χ^2 /NDF: 827.7/27

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 39.124 $\pm$ 1.219 χ^2 /NDF: 661.4/30

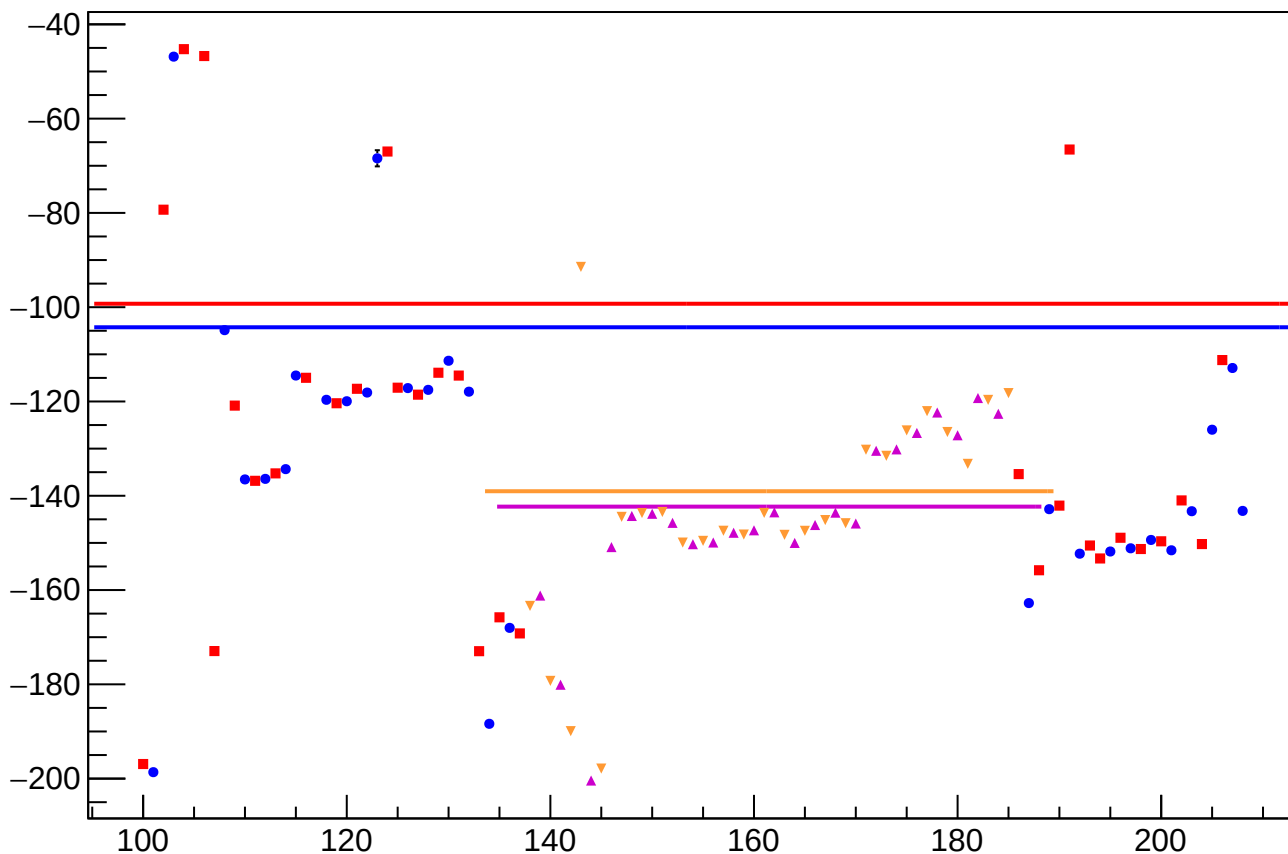
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 56.100 $\pm$ 0.740 χ^2 /NDF: 1647.9/52

All: 54.980 $\pm$ 0.525 χ^2 /NDF: 3062.1/106

- sign 53.843 $\pm$ 0.746 χ^2 /NDF: 1409.6/53

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -104.259 ± 0.058 $\chi^2/\text{NDF}: 699283.0/27$

Left Out: -139.040 ± 0.043 $\chi^2/\text{NDF}: 258113.4/24$

Right Out: -99.269 ± 0.055 $\chi^2/\text{NDF}: 728477.6/30$

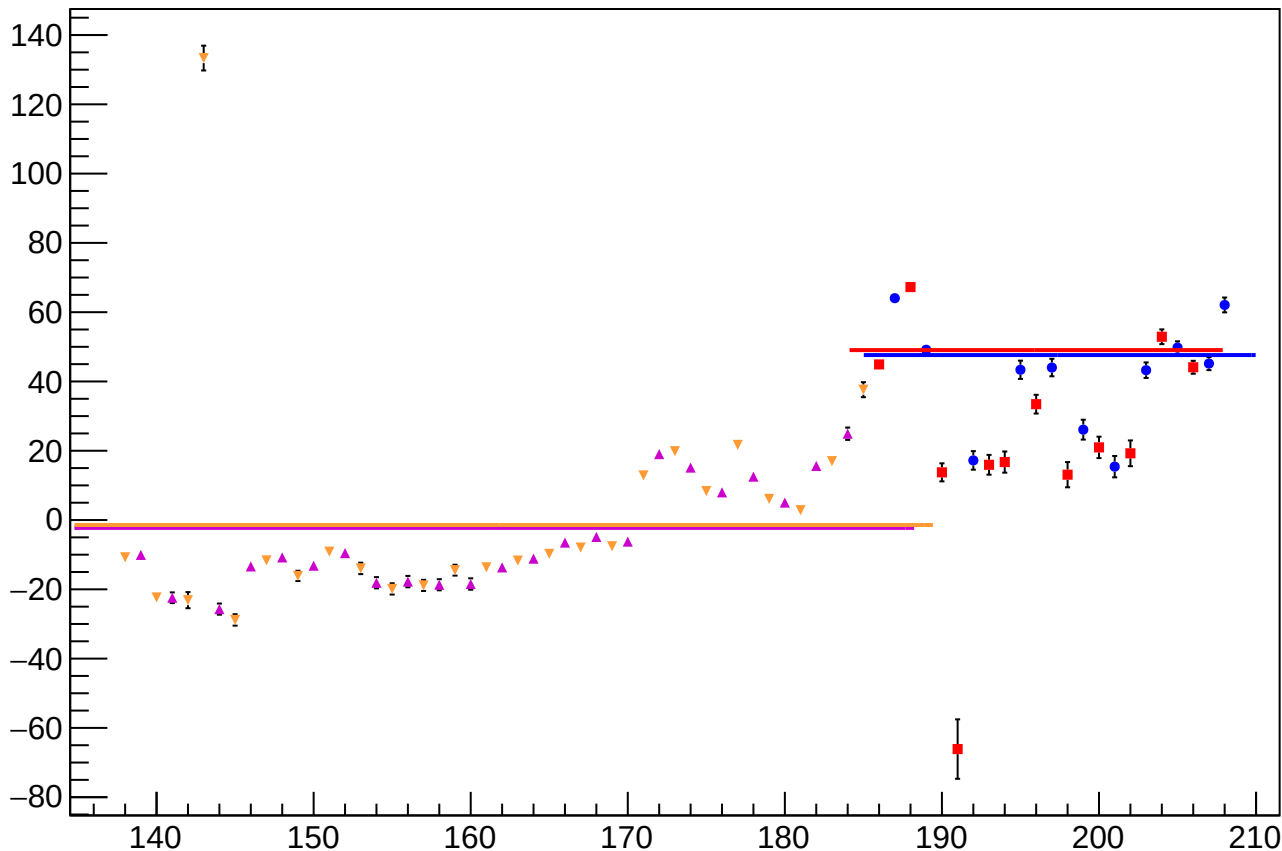
Left In: -142.305 ± 0.044 $\chi^2/\text{NDF}: 143351.8/22$

+ sign -126.850 ± 0.035 $\chi^2/\text{NDF}: 1188090.1/52$

All: -126.188 ± 0.024 $\chi^2/\text{NDF}: 2432248.0/10$

- sign -125.530 ± 0.034 $\chi^2/\text{NDF}: 1243424.8/53$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 47.622 ± 0.613 $\chi^2/\text{NDF}: 491.7/10$

Left Out: -1.427 ± 0.268 $\chi^2/\text{NDF}: 4339.0/24$

Right Out: 49.052 ± 0.483 $\chi^2/\text{NDF}: 1472.7/11$

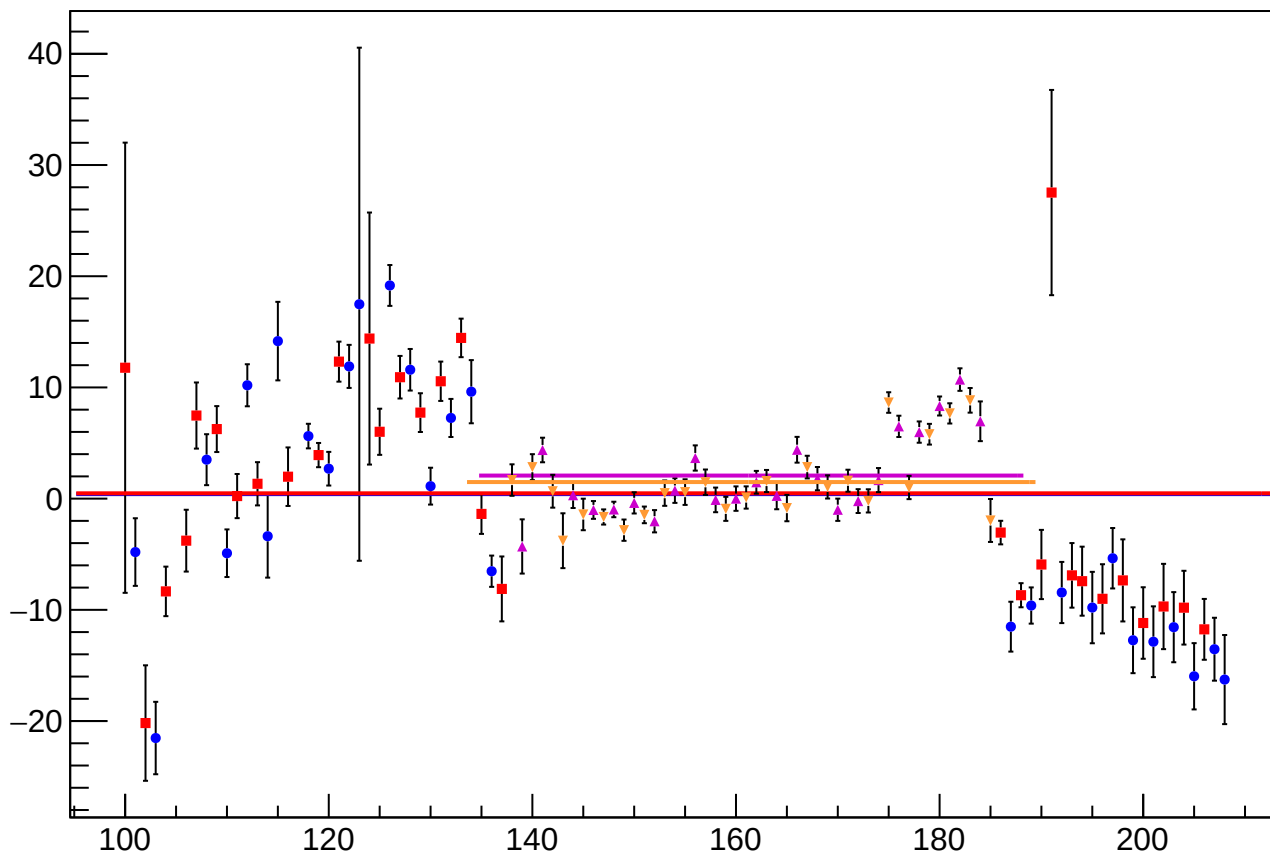
Left In: -2.270 ± 0.271 $\chi^2/\text{NDF}: 2521.6/22$

+ sign 6.415 ± 0.245 $\chi^2/\text{NDF}: 10200.9/35$

All: 8.282 ± 0.170 $\chi^2/\text{NDF}: 22906.8/70$

- sign 10.013 ± 0.236 $\chi^2/\text{NDF}: 12594.3/34$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 0.406 ± 0.407 $\chi^2/\text{NDF}: 565.2/27$

Left Out: 1.491 ± 0.210 $\chi^2/\text{NDF}: 259.1/24$

Right Out: 0.478 ± 0.375 $\chi^2/\text{NDF}: 436.2/30$

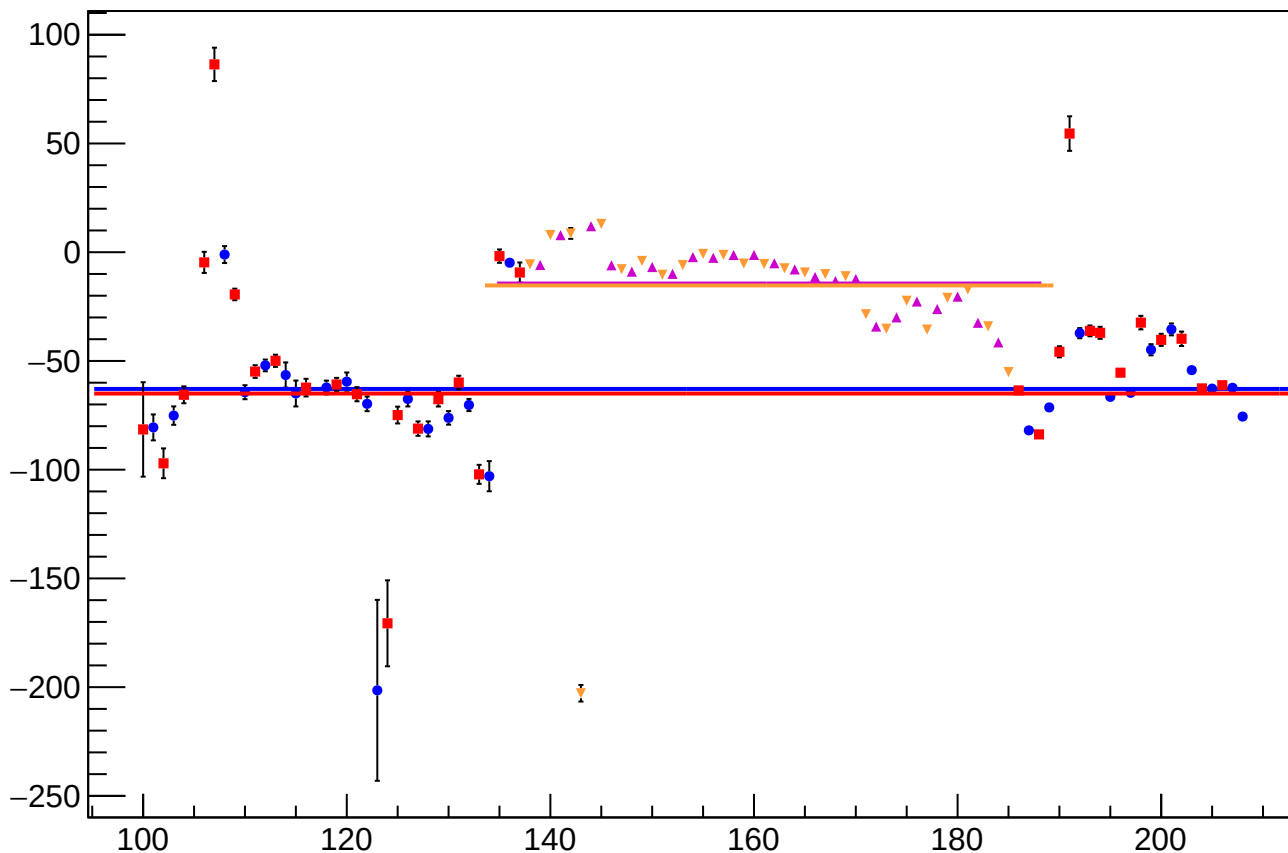
Left In: 2.075 ± 0.215 $\chi^2/\text{NDF}: 274.6/22$

+ sign 1.262 ± 0.187 $\chi^2/\text{NDF}: 829.9/52$

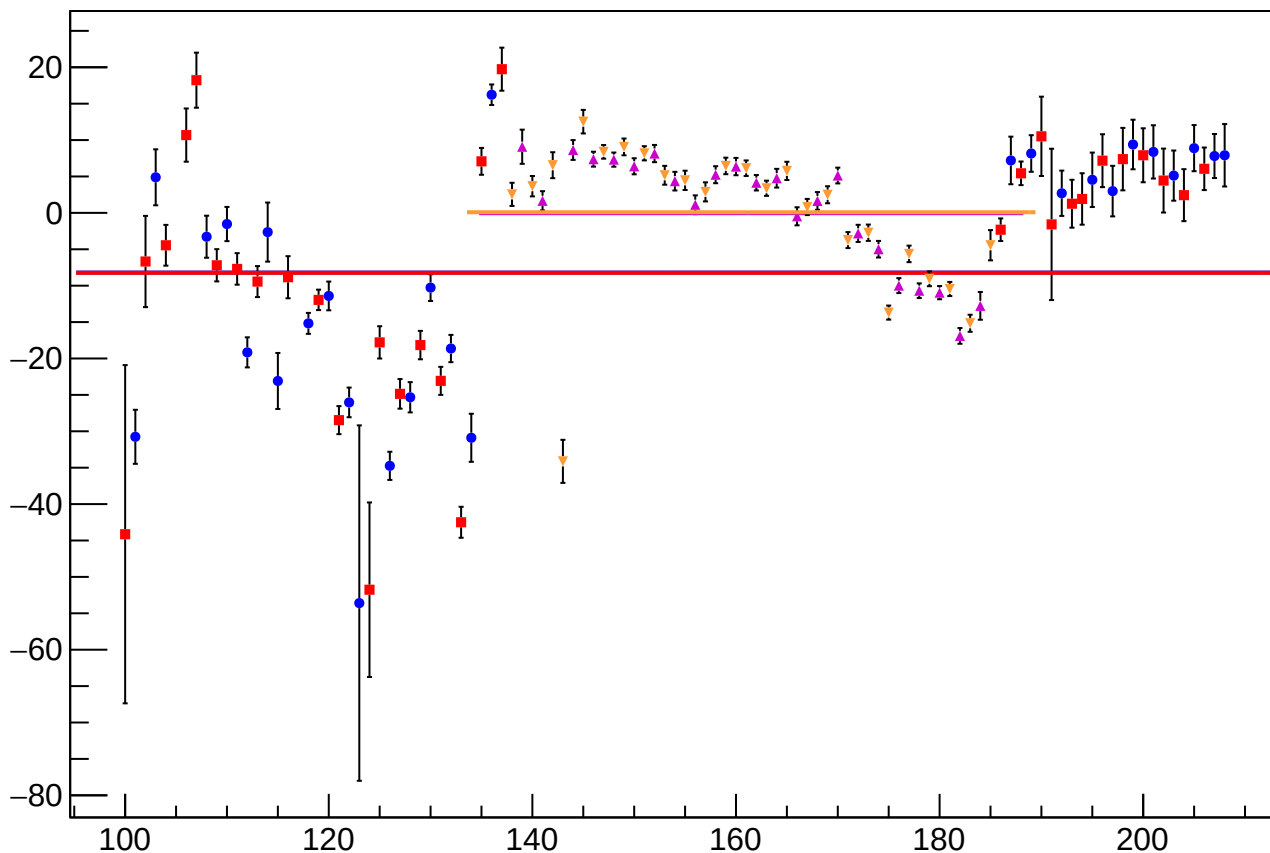
All: 1.471 ± 0.132 $\chi^2/\text{NDF}: 1556.8/106$

- sign 1.679 ± 0.187 $\chi^2/\text{NDF}: 724.4/53$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -8.199 ± 0.473 χ^2/NDF : 1078.7/27

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -8.228 ± 0.451 χ^2/NDF : 1005.4/30

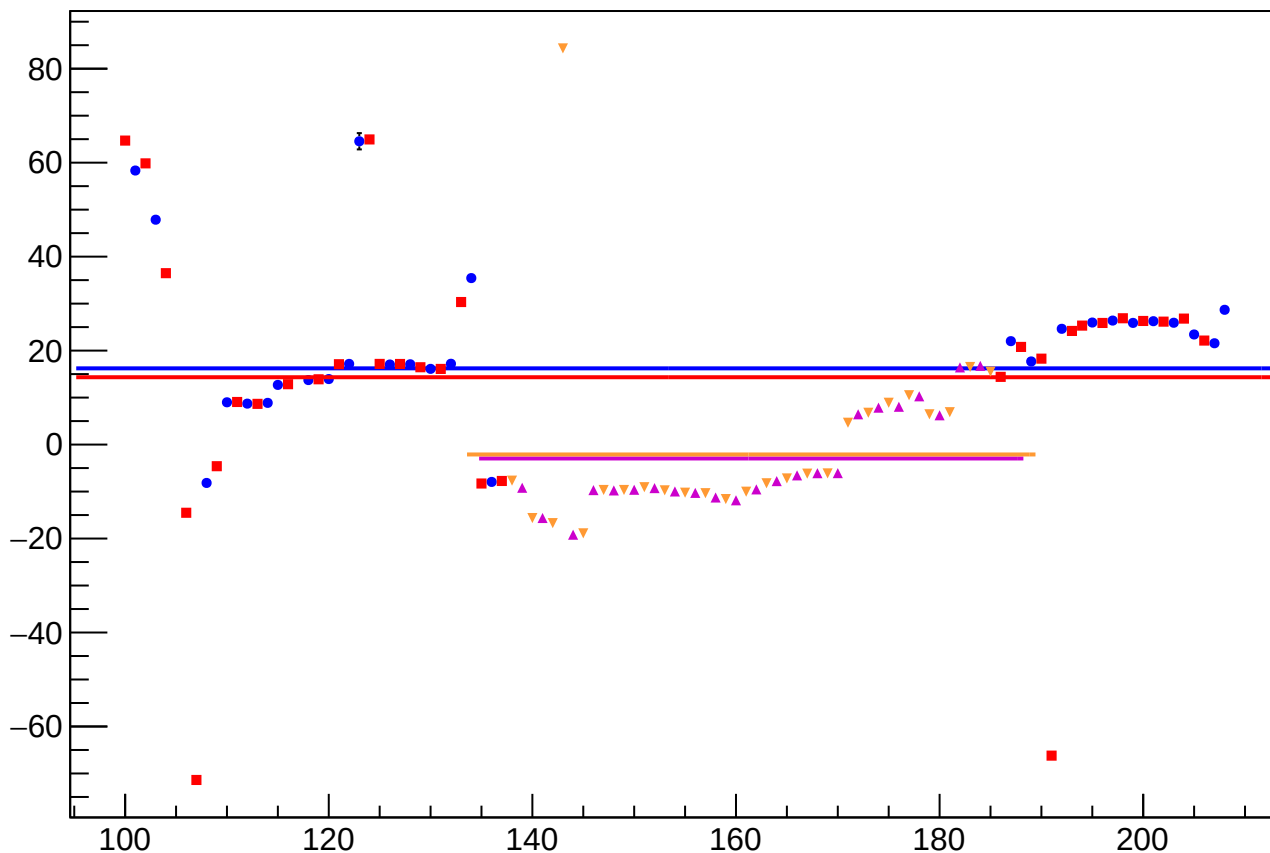
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.592 ± 0.213 χ^2/NDF : 2496.1/52

All: -1.737 ± 0.151 χ^2/NDF : 4785.5/106

- 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: 16.224 $\pm$ 0.023 χ^2 /NDF: 474987.4/27

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

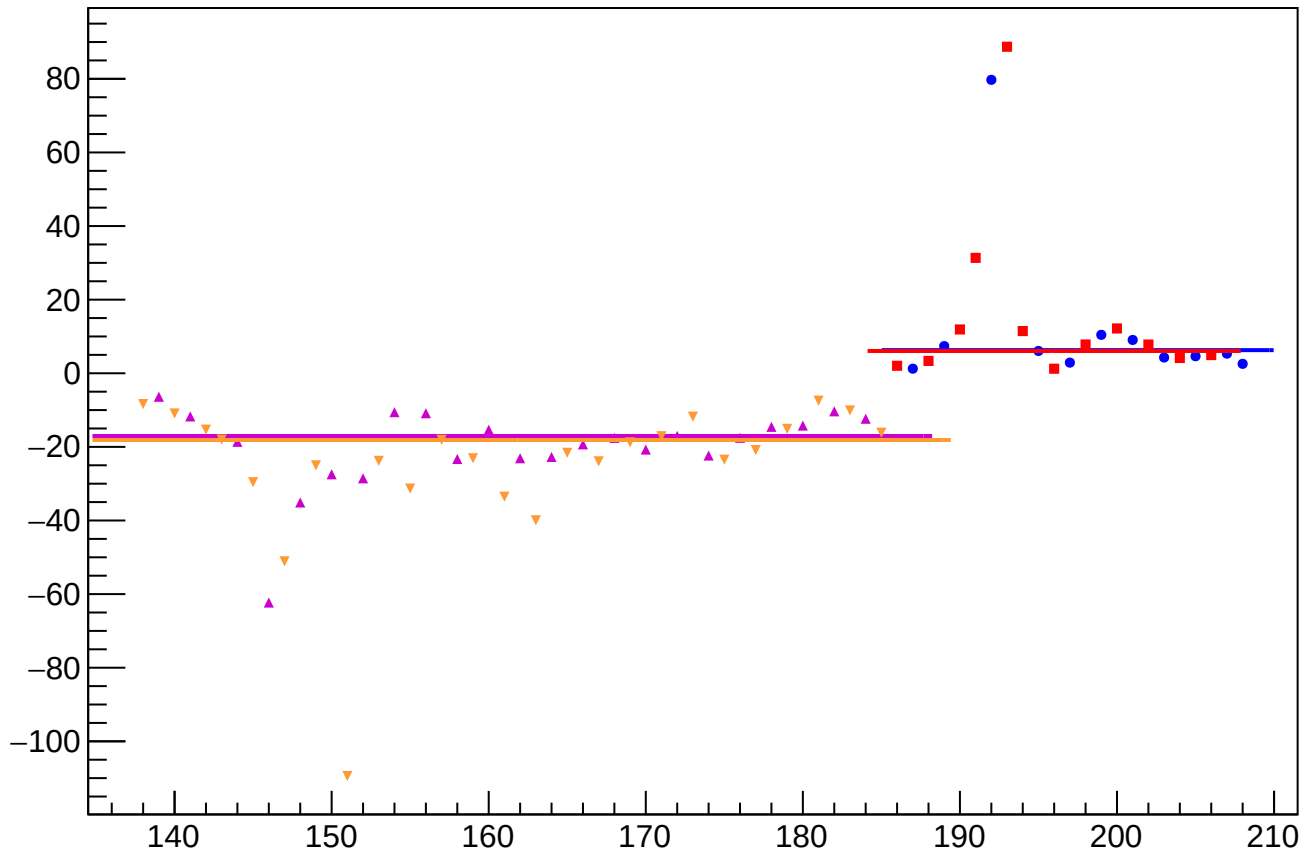
Left In: -2.959 $\pm$ 0.011 χ^2 /NDF: 763000.9/22

+ sign 1.164 $\pm$ 0.010 χ^2 /NDF: 2070489.2/52

All: 0.714 $\pm$ 0.007 χ^2 /NDF: 4045582.7/106

- sign 0.261 $\pm$ 0.010 χ^2 /NDF: 1970938.6/53

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 6.284 ± 0.060 χ^2/NDF : 25777.8/10

Left Out: -18.128 ± 0.039 χ^2/NDF : 88551.6/24

Right Out: 6.061 ± 0.060 χ^2/NDF : 25805.9/11

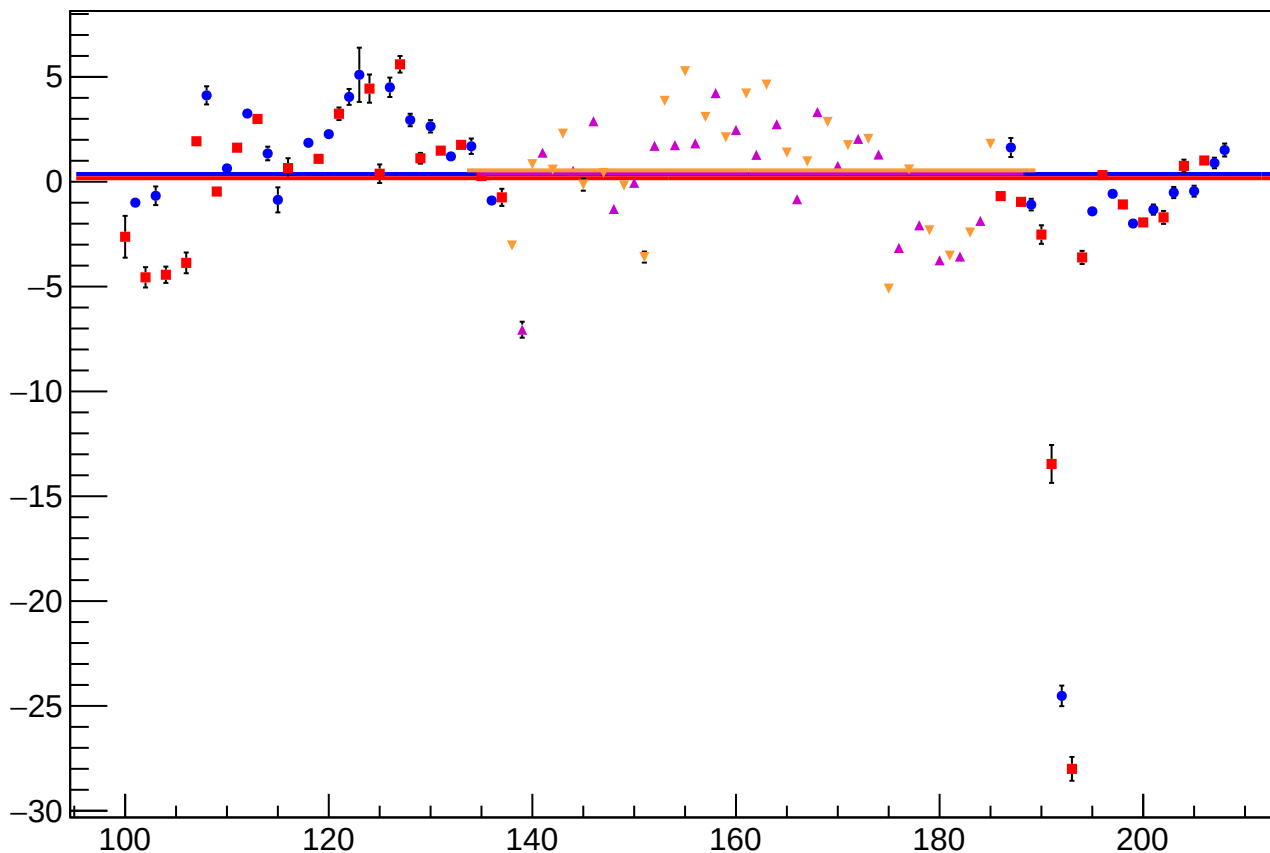
Left In: -17.038 ± 0.038 χ^2/NDF : 44141.1/22

+ sign -10.832 ± 0.033 χ^2/NDF : 231947.8/35

All: -10.604 ± 0.023 χ^2/NDF : 407614.5/70

- sign -10.382 ± 0.032 χ^2/NDF : 175570.2/34

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.368 ± 0.048 $\chi^2/\text{NDF}: 3840.6/27$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.169 ± 0.046 $\chi^2/\text{NDF}: 4264.3/30$

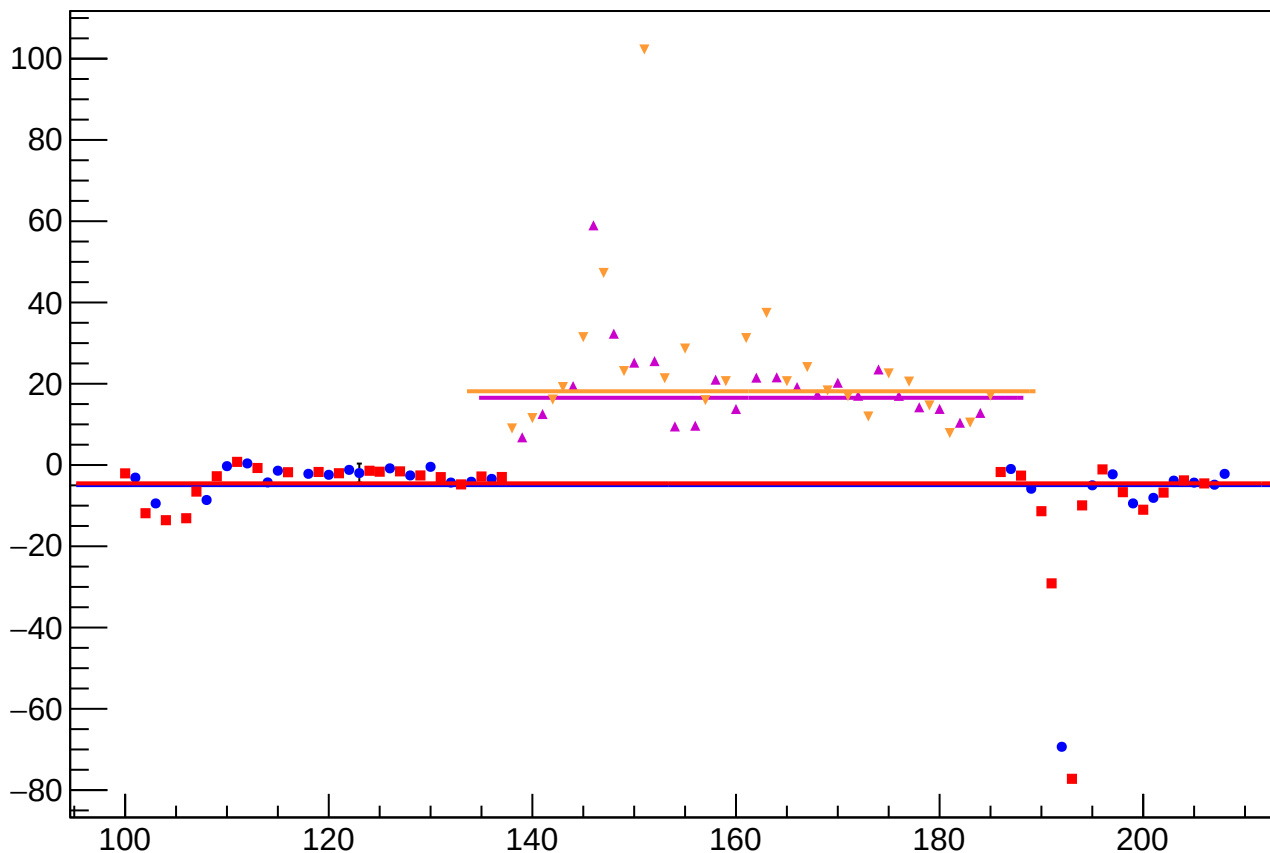
Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

+ sign 0.489 ± 0.027 $\chi^2/\text{NDF}: 10934.9/52$

All: 0.404 ± 0.019 $\chi^2/\text{NDF}: 21471.0/106$

- sign 0.327 ± 0.026 $\chi^2/\text{NDF}: 10517.0/53$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -4.945 ± 0.049 $\chi^2/\text{NDF}: 26966.8/27$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.510 ± 0.046 $\chi^2/\text{NDF}: 27651.1/30$

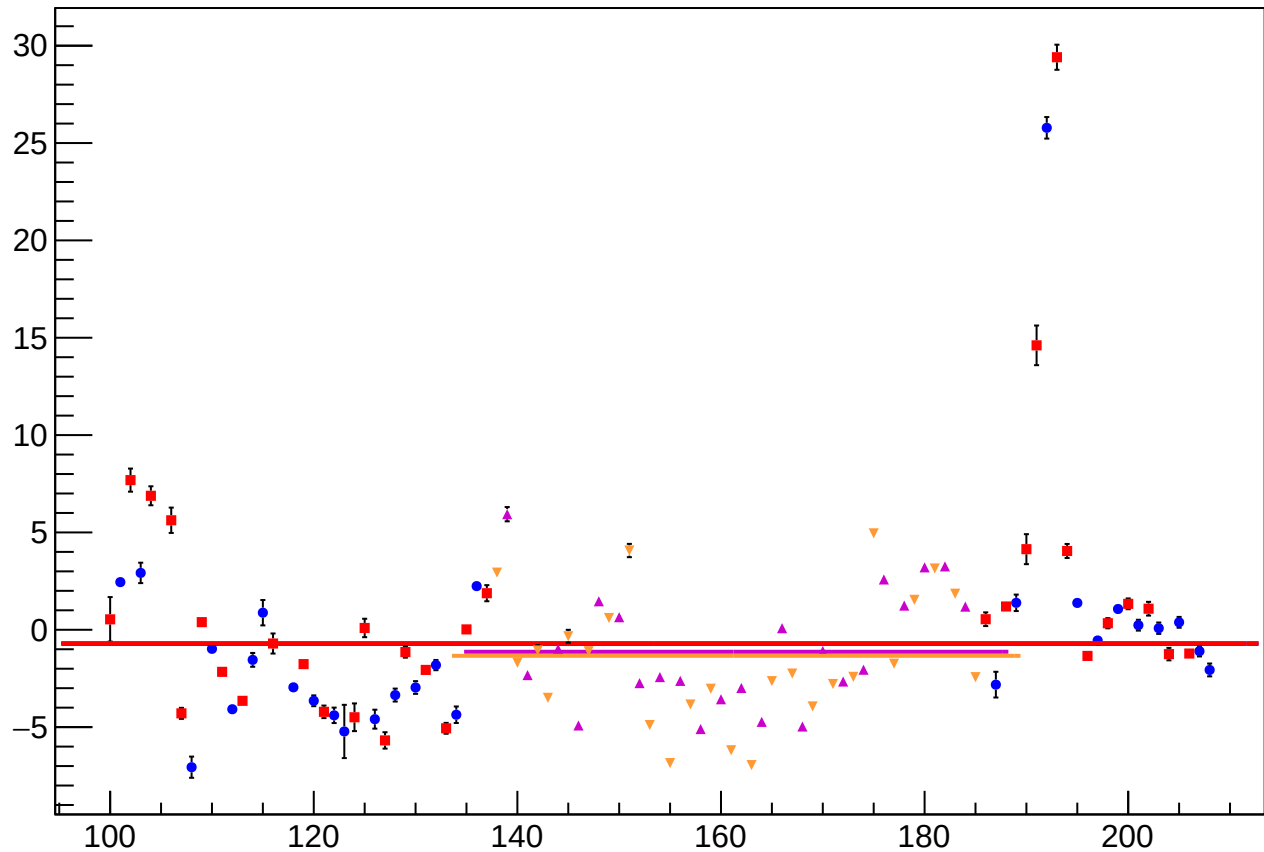
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 9.170 ± 0.031 $\chi^2/\text{NDF}: 240504.9/52$

All: 8.585 ± 0.021 $\chi^2/\text{NDF}: 435085.8/106$

- sign 8.052 ± 0.029 $\chi^2/\text{NDF}: 193880.7/53$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.721 ± 0.056 χ^2/NDF : 3931.9/27

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.685 ± 0.054 χ^2/NDF : 4474.8/30

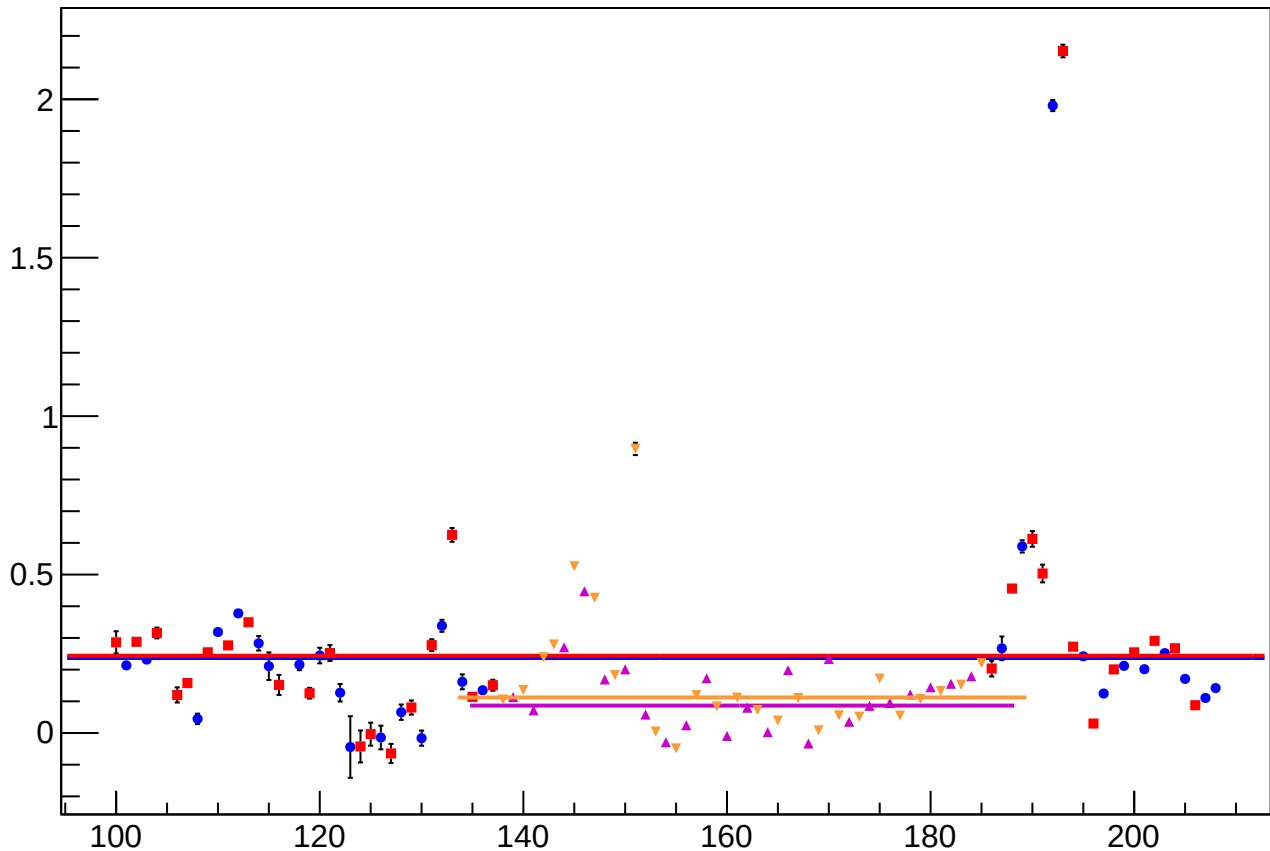
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.157 ± 0.030 χ^2/NDF : 11961.4/52

All: -1.075 ± 0.021 χ^2/NDF : 23239.4/106

- sign -1.001 ± 0.029 χ^2/NDF : 11264.0/53

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.237 $\pm$ 0.002 χ^2 /NDF: 11428.7/27

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF: 4503.9/24

Right Out: 0.244 $\pm$ 0.002 χ^2 /NDF: 11884.9/30

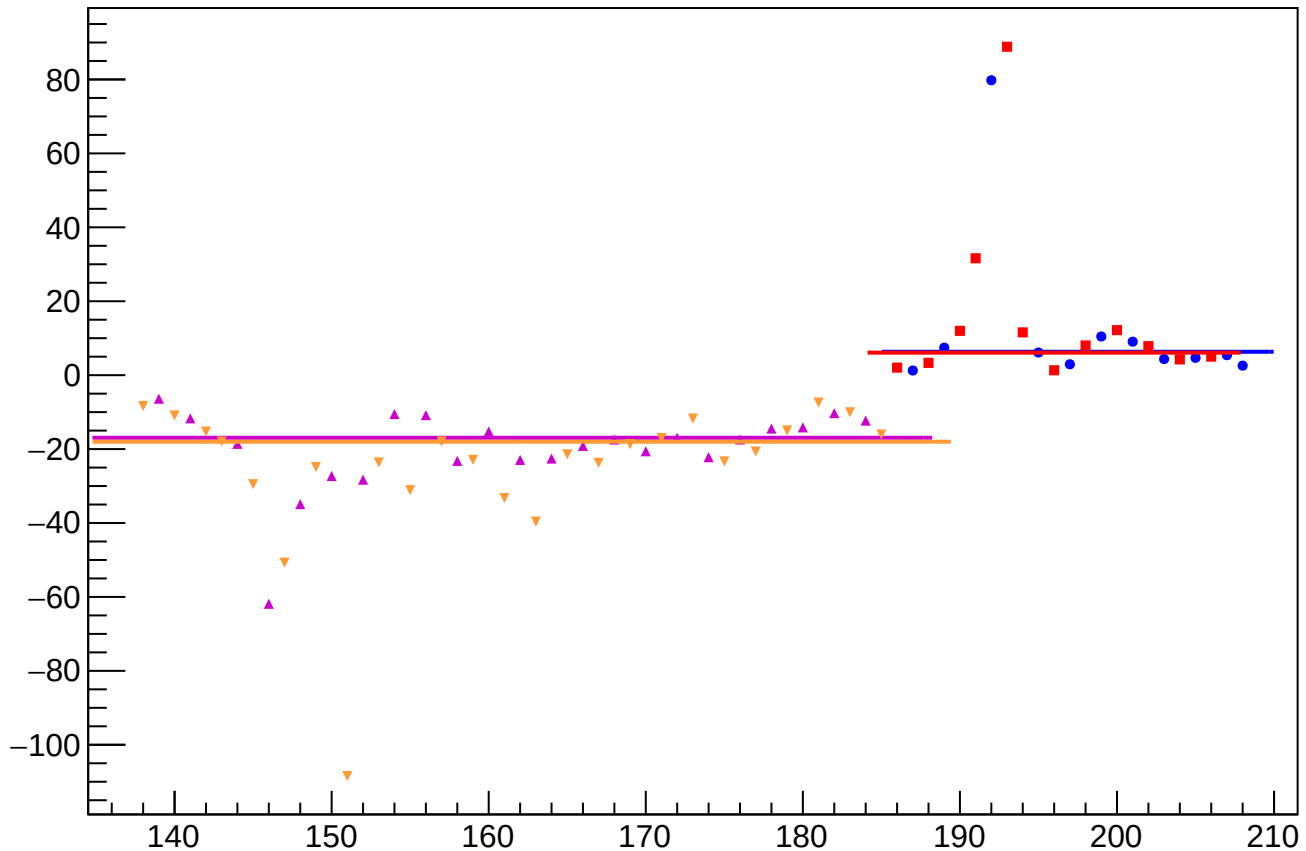
Left In: 0.087 $\pm$ 0.002 χ^2 /NDF: 3655.4/22

+ sign 0.149 $\pm$ 0.001 χ^2 /NDF: 17733.6/52

All: 0.139 $\pm$ 0.001 χ^2 /NDF: 36437.8/106

- sign 0.130 $\pm$ 0.001 χ^2 /NDF: 18599.6/53

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 6.330 ± 0.059 $\chi^2/\text{NDF}: 25966.5/10$

Left Out: -18.005 ± 0.039 $\chi^2/\text{NDF}: 88391.0/24$

Right Out: 6.091 ± 0.060 $\chi^2/\text{NDF}: 26147.5/11$

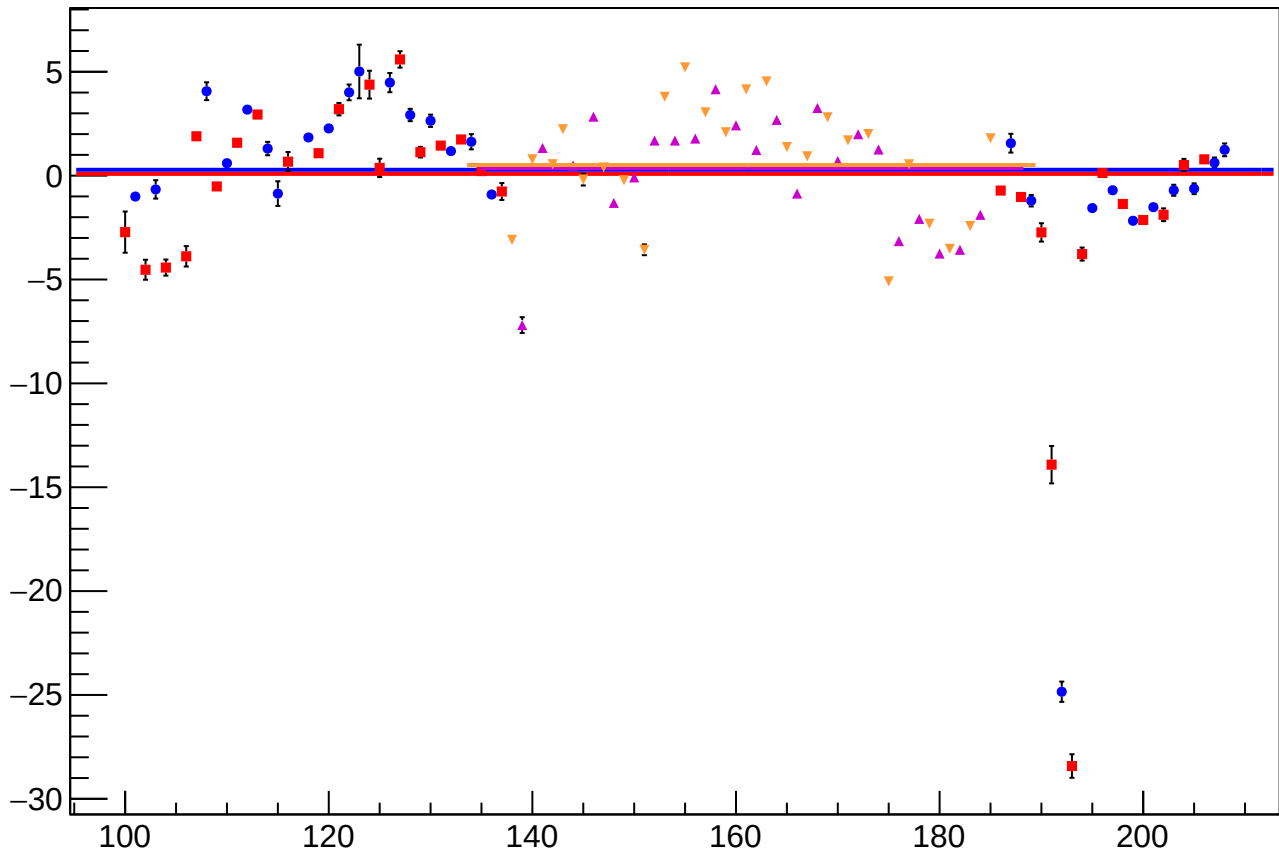
Left In: -16.934 ± 0.038 $\chi^2/\text{NDF}: 44060.6/22$

+ sign -10.758 ± 0.032 $\chi^2/\text{NDF}: 232474.7/35$

All: -10.522 ± 0.023 $\chi^2/\text{NDF}: 409253.8/70$

- sign -10.291 ± 0.032 $\chi^2/\text{NDF}: 176674.1/34$

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.282 ± 0.048 χ^2/NDF : 3969.7/27

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.085 ± 0.046 χ^2/NDF : 4423.7/30

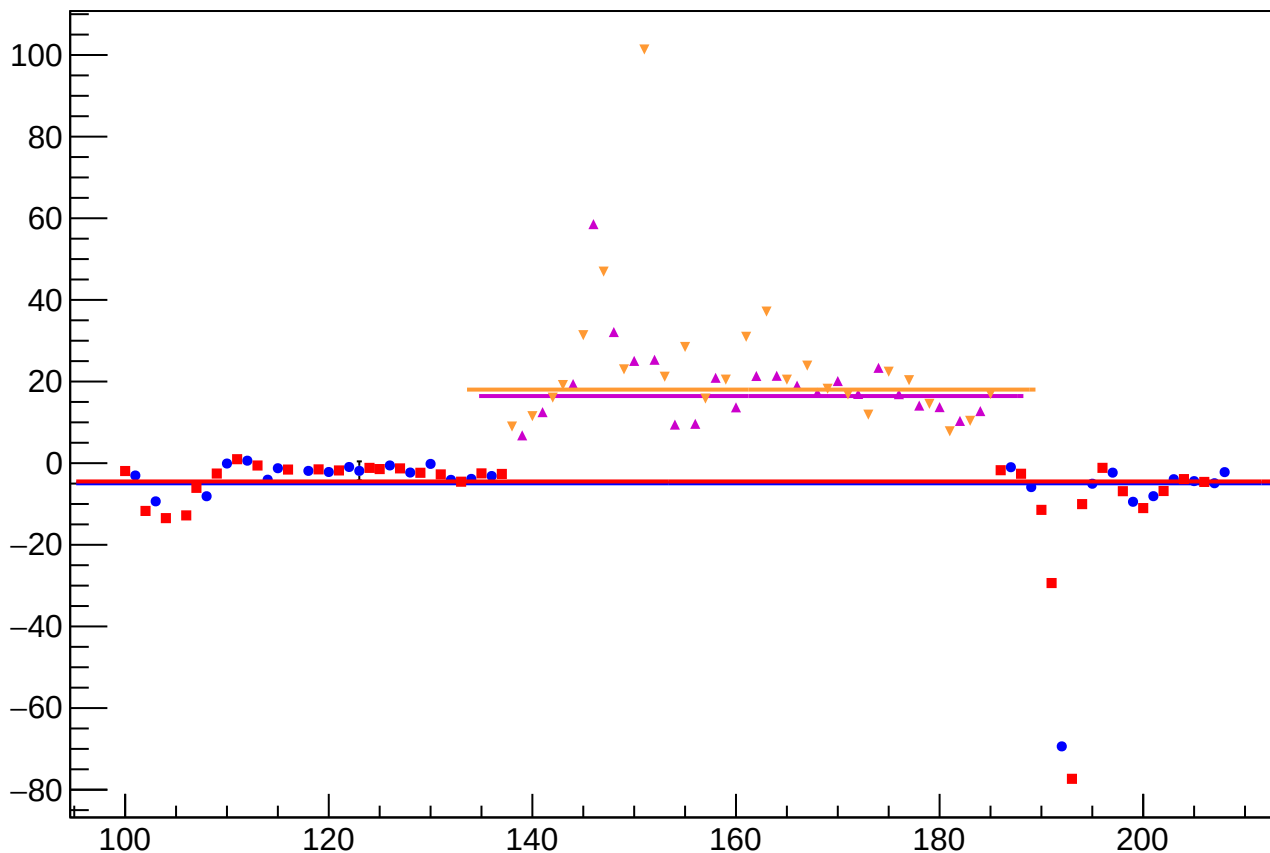
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.441 ± 0.027 χ^2/NDF : 11055.8/52

All: 0.354 ± 0.018 χ^2/NDF : 21745.7/106

- sign 0.275 ± 0.025 χ^2/NDF : 10669.8/53

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -4.933+/-0.049 χ^2/NDF : 27276.7/27

Left Out: 18.027+/-0.039 χ^2/NDF : 77718.1/24

Right Out: -4.478+/-0.046 χ^2/NDF : 28118.3/30

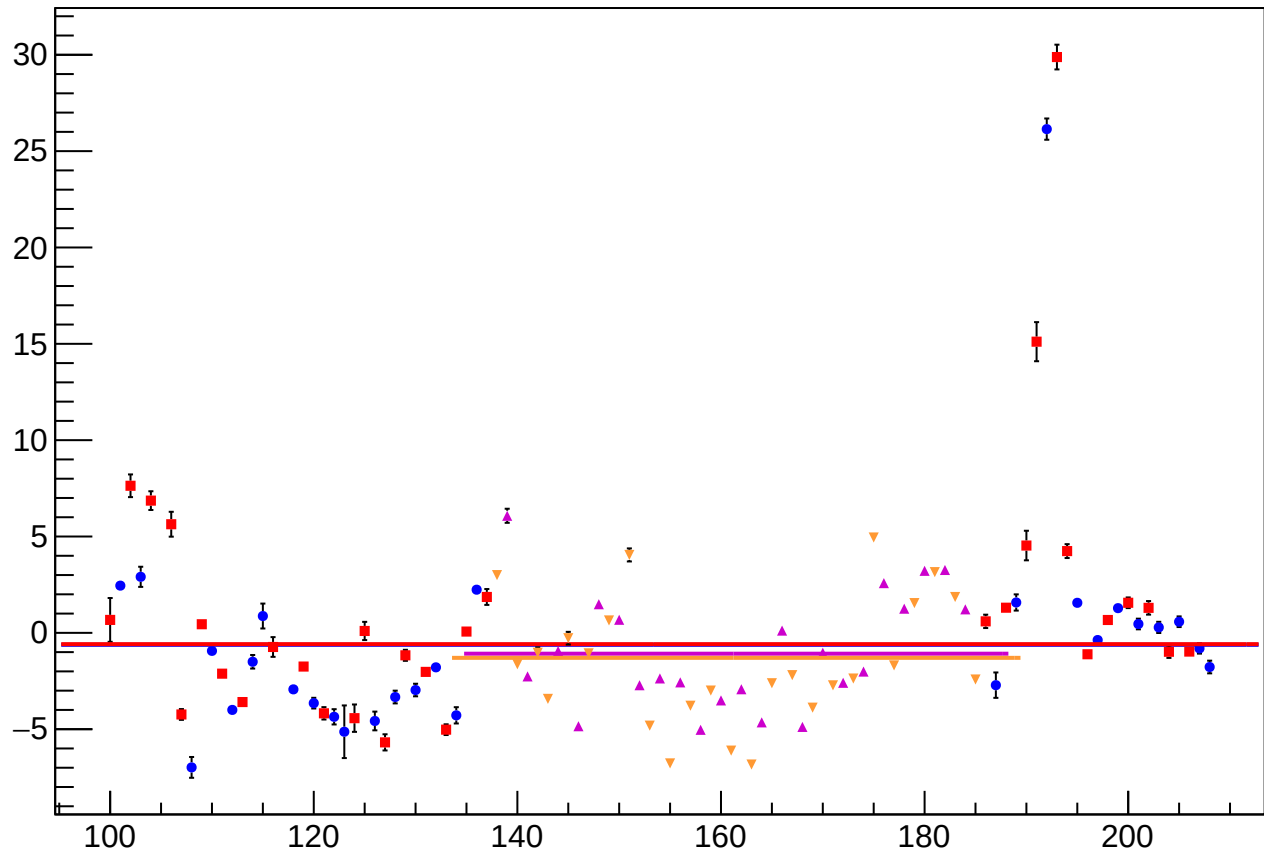
Left In: 16.443+/-0.038 χ^2/NDF : 40780.6/22

+ sign 9.126+/-0.030 χ^2/NDF : 240598.4/52

All: 8.536+/-0.021 χ^2/NDF : 435784.5/106

- sign 7.999+/-0.029 χ^2/NDF : 194464.1/53

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.620 ± 0.056 $\chi^2/\text{NDF}: 4037.6/27$

Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7925.1/24$

Right Out: -0.587 ± 0.053 $\chi^2/\text{NDF}: 4625.0/30$

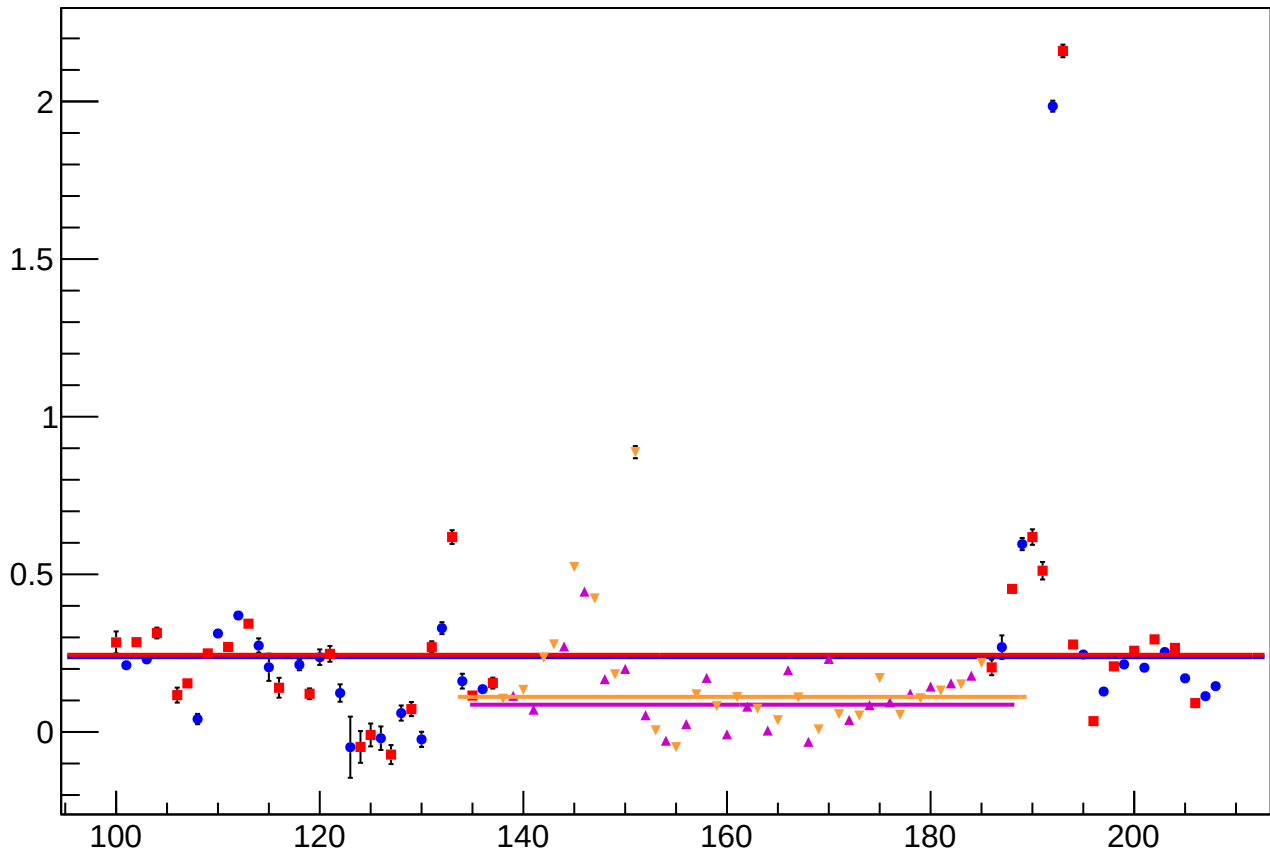
Left In: -1.082 ± 0.034 $\chi^2/\text{NDF}: 6724.1/22$

+ sign -1.099 ± 0.030 $\chi^2/\text{NDF}: 12068.0/52$

All: -1.015 ± 0.021 $\chi^2/\text{NDF}: 23493.4/106$

- sign -0.939 ± 0.029 $\chi^2/\text{NDF}: 11410.5/53$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.237 $\pm$ 0.002 χ^2 /NDF: 11549.4/27

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF: 4496.0/24

Right Out: 0.245 $\pm$ 0.002 χ^2 /NDF: 12012.5/30

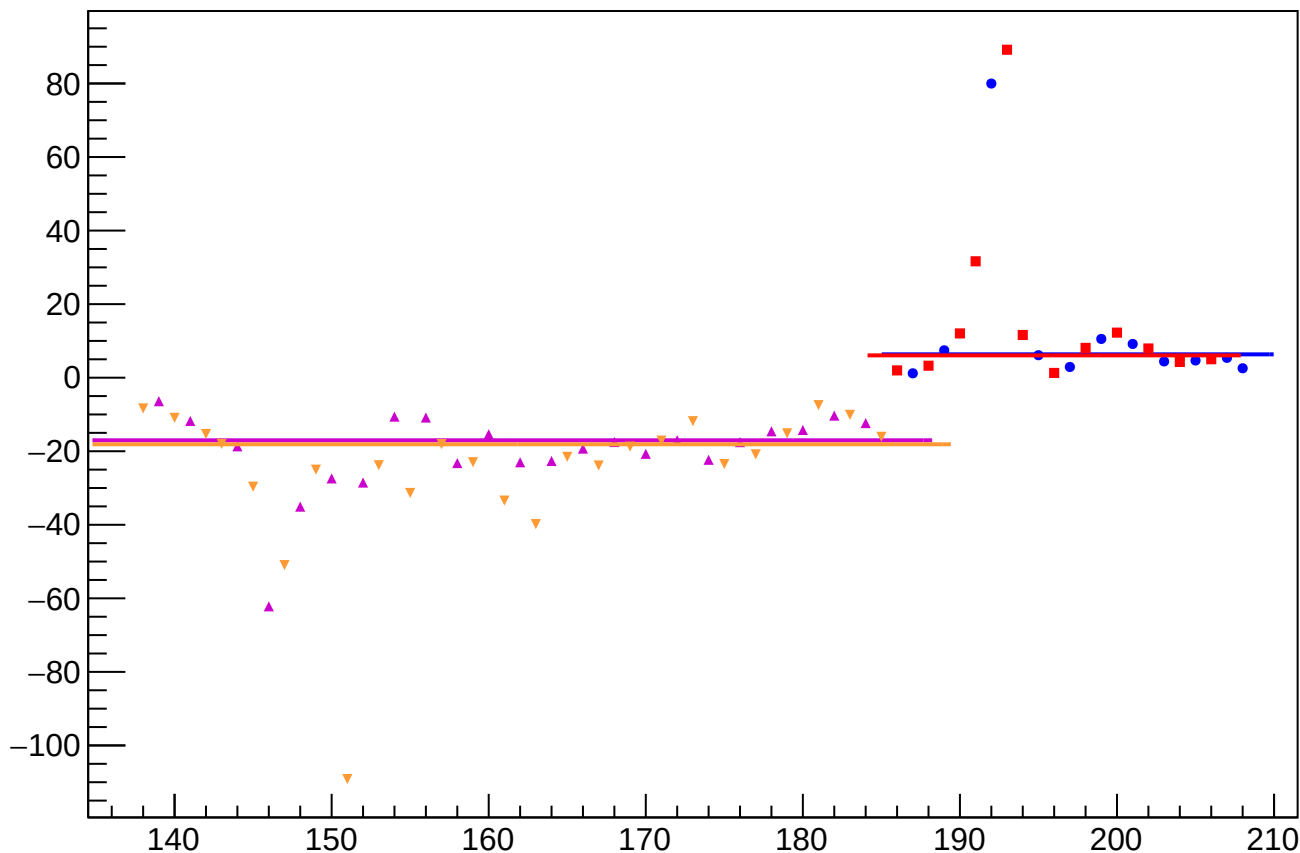
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3625.5/22

+ sign 0.149 $\pm$ 0.001 χ^2 /NDF: 17904.7/52

All: 0.139 $\pm$ 0.001 χ^2 /NDF: 36773.3/106

- sign 0.131 $\pm$ 0.001 χ^2 /NDF: 18769.5/53

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 6.345 ± 0.060 $\chi^2/\text{NDF}: 25961.3/10$

Left Out: -18.112 ± 0.039 $\chi^2/\text{NDF}: 88529.7/24$

Right Out: 6.069 ± 0.060 $\chi^2/\text{NDF}: 26181.2/11$

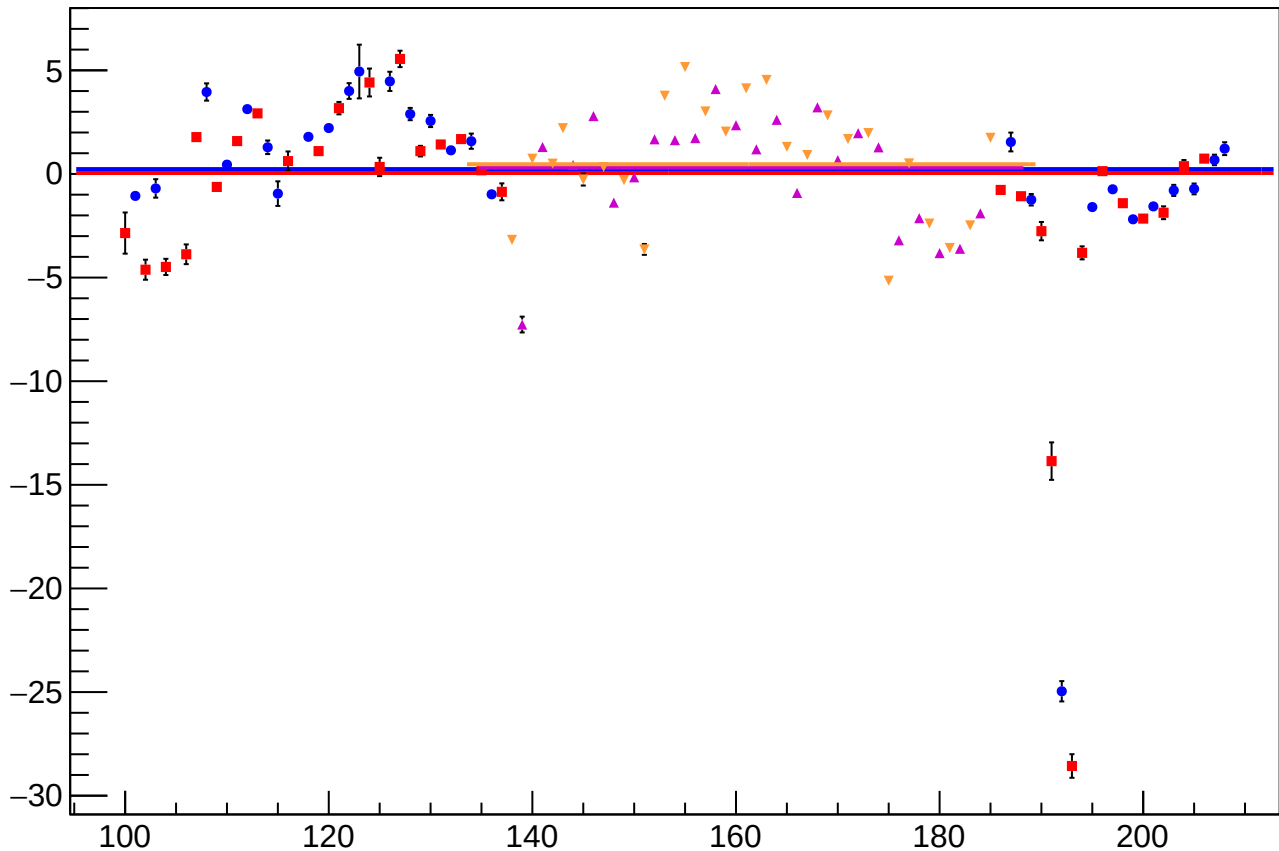
Left In: -17.024 ± 0.038 $\chi^2/\text{NDF}: 44141.8/22$

+ sign -10.855 ± 0.033 $\chi^2/\text{NDF}: 232357.3/35$

All: -10.601 ± 0.023 $\chi^2/\text{NDF}: 409167.8/70$

- sign -10.355 ± 0.032 $\chi^2/\text{NDF}: 176690.8/34$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.235 ± 0.048 $\chi^2/\text{NDF}: 3957.7/27$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7093.0/24$

Right Out: 0.047 ± 0.046 $\chi^2/\text{NDF}: 4416.2/30$

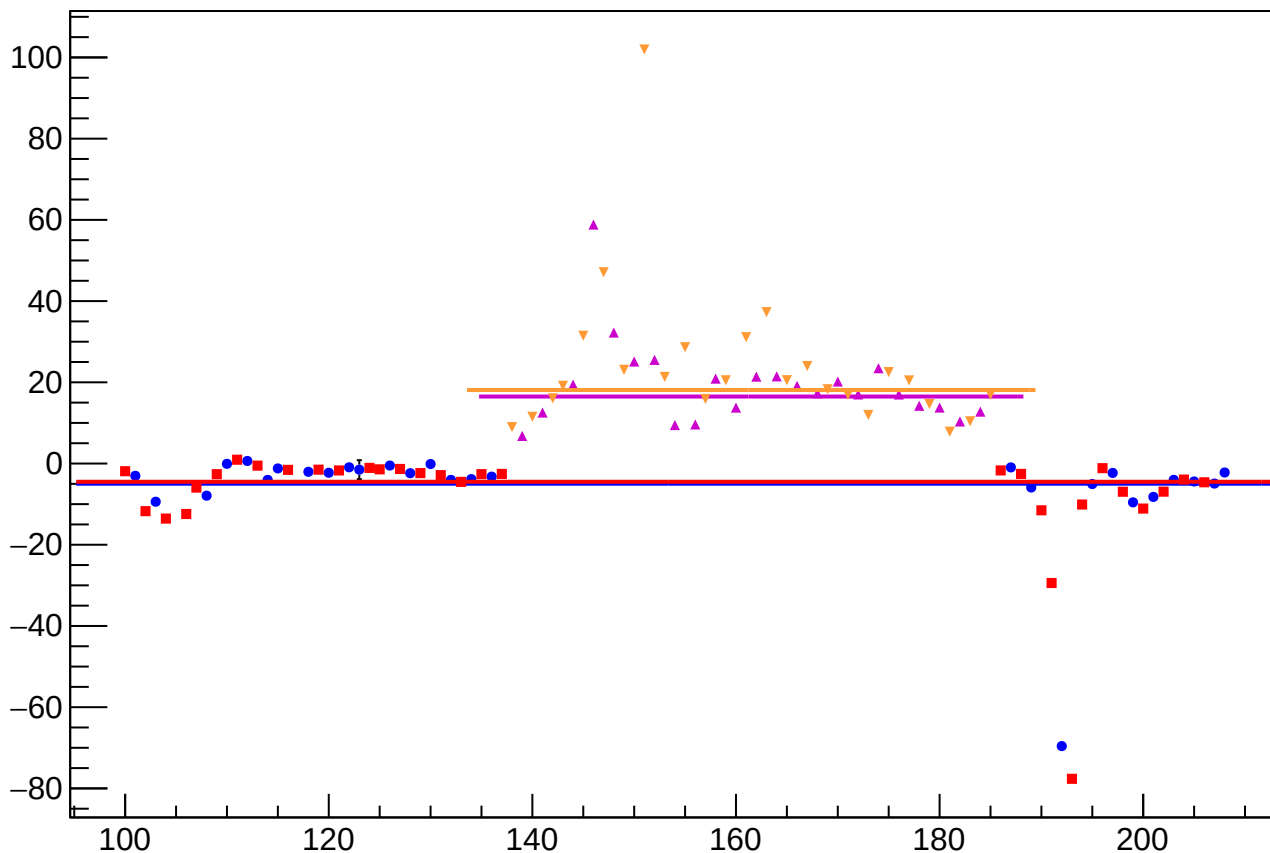
Left In: 0.311 ± 0.031 $\chi^2/\text{NDF}: 6183.1/22$

+ sign 0.397 ± 0.027 $\chi^2/\text{NDF}: 11067.0/52$

All: 0.309 ± 0.018 $\chi^2/\text{NDF}: 21709.6/106$

- sign 0.229 ± 0.025 $\chi^2/\text{NDF}: 10622.1/53$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -4.969 ± 0.049 $\chi^2/\text{NDF}: 27275.5/27$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.489 ± 0.046 $\chi^2/\text{NDF}: 28135.7/30$

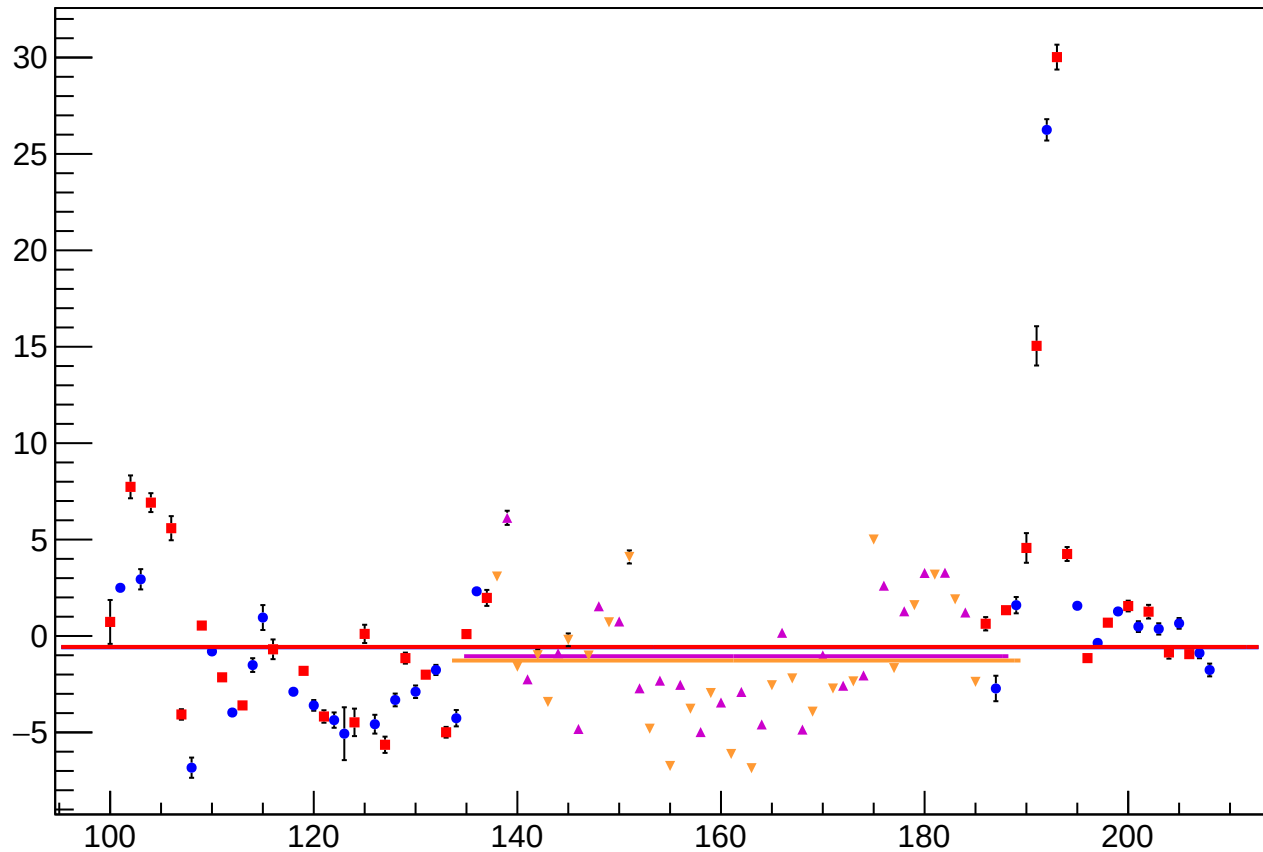
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 9.182 ± 0.031 $\chi^2/\text{NDF}: 240465.4/52$

All: 8.572 ± 0.021 $\chi^2/\text{NDF}: 435696.7/106$

- sign 8.019 ± 0.029 $\chi^2/\text{NDF}: 194469.4/53$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.587 ± 0.056 $\chi^2/\text{NDF}: 4029.7/27$

Left Out: -1.273 ± 0.036 $\chi^2/\text{NDF}: 7951.6/24$

Right Out: -0.567 ± 0.053 $\chi^2/\text{NDF}: 4621.3/30$

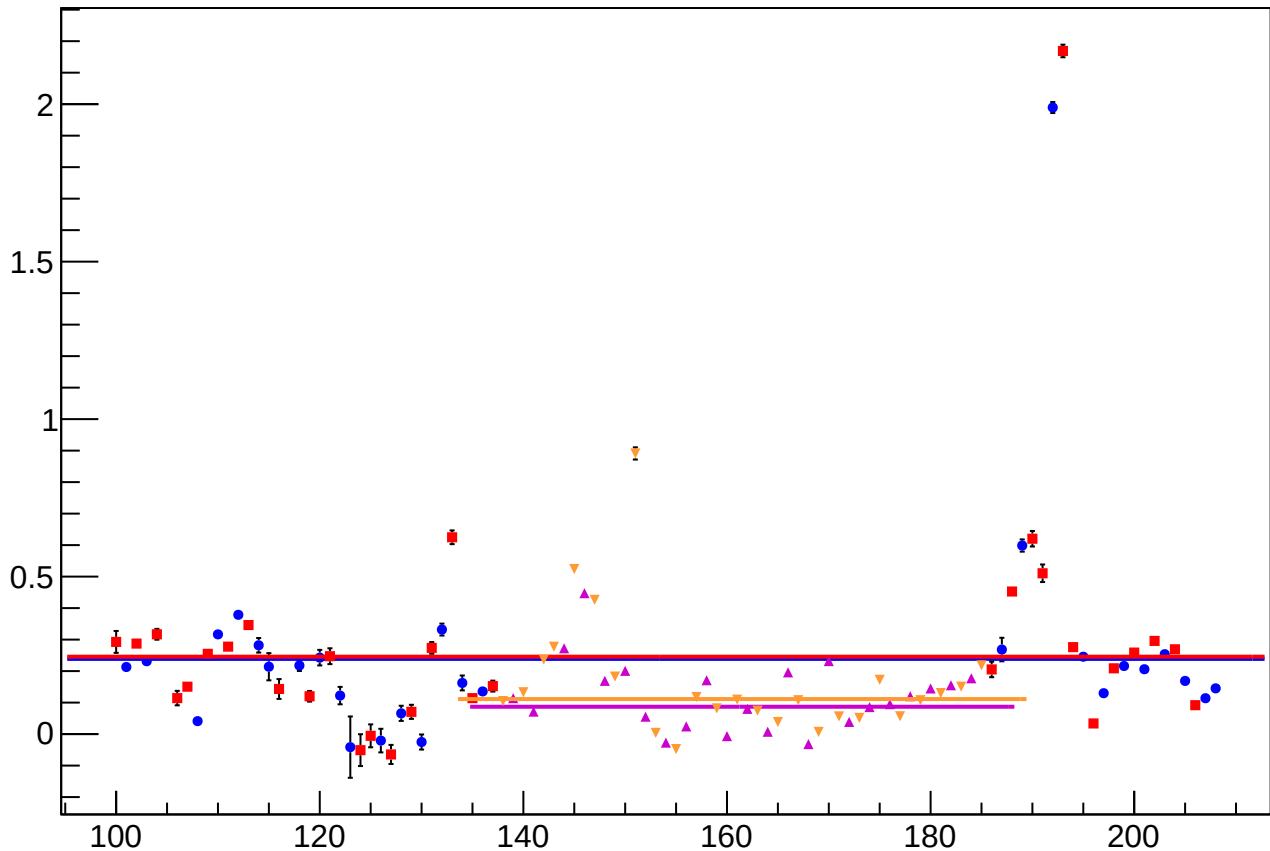
Left In: -1.050 ± 0.034 $\chi^2/\text{NDF}: 6673.4/22$

+ sign -1.073 ± 0.030 $\chi^2/\text{NDF}: 12088.3/52$

All: -0.988 ± 0.021 $\chi^2/\text{NDF}: 23456.2/106$

- sign -0.911 ± 0.029 $\chi^2/\text{NDF}: 11352.9/53$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.239 ± 0.002 $\chi^2/\text{NDF}: 11544.0/27$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4474.5/24$

Right Out: 0.246 ± 0.002 $\chi^2/\text{NDF}: 12028.2/30$

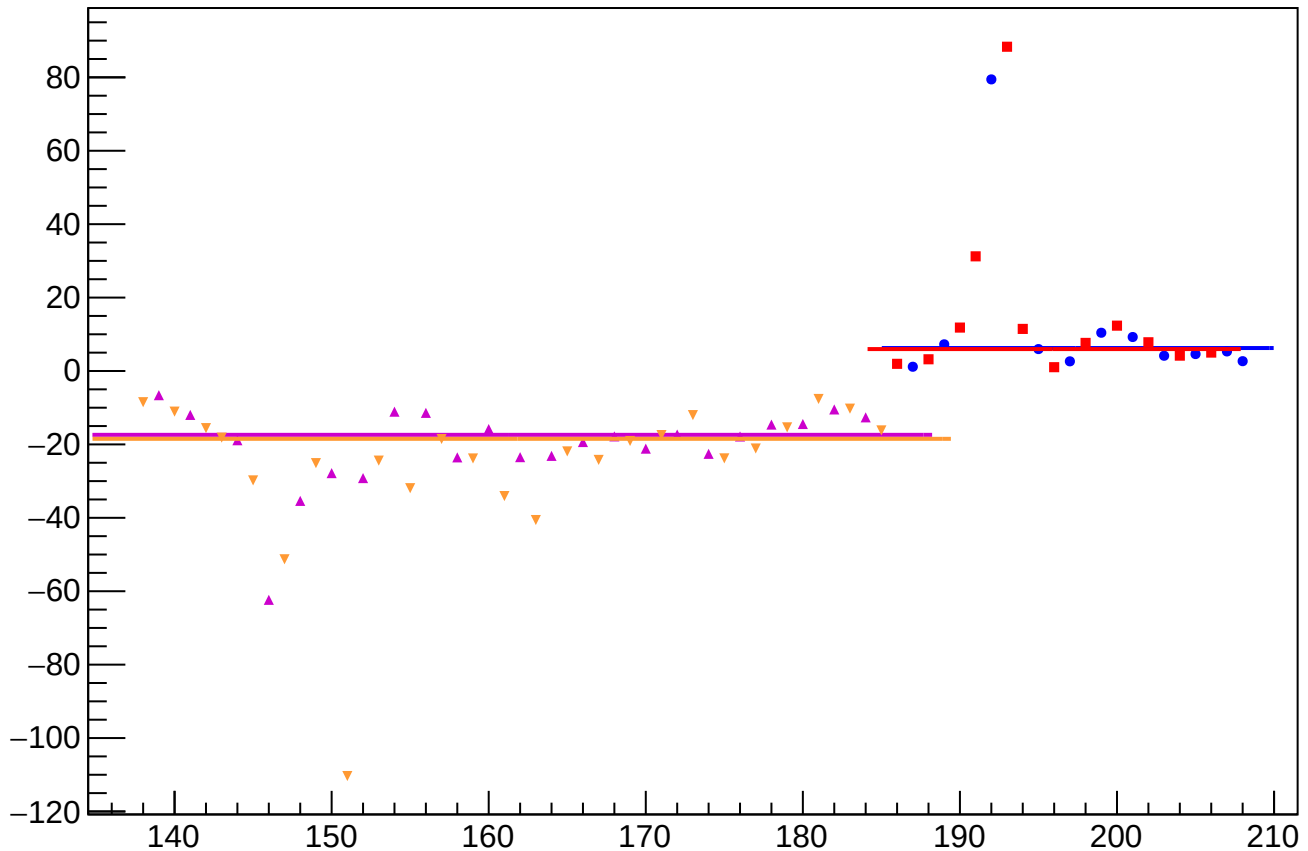
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3598.5/22$

+ sign 0.149 ± 0.001 $\chi^2/\text{NDF}: 17904.7/52$

All: 0.140 ± 0.001 $\chi^2/\text{NDF}: 36754.9/106$

- sign 0.131 ± 0.001 $\chi^2/\text{NDF}: 18754.7/53$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 6.255 ± 0.060 $\chi^2/\text{NDF}: 25543.7/10$

Left Out: -18.479 ± 0.040 $\chi^2/\text{NDF}: 87883.4/24$

Right Out: 5.972 ± 0.060 $\chi^2/\text{NDF}: 25702.4/11$

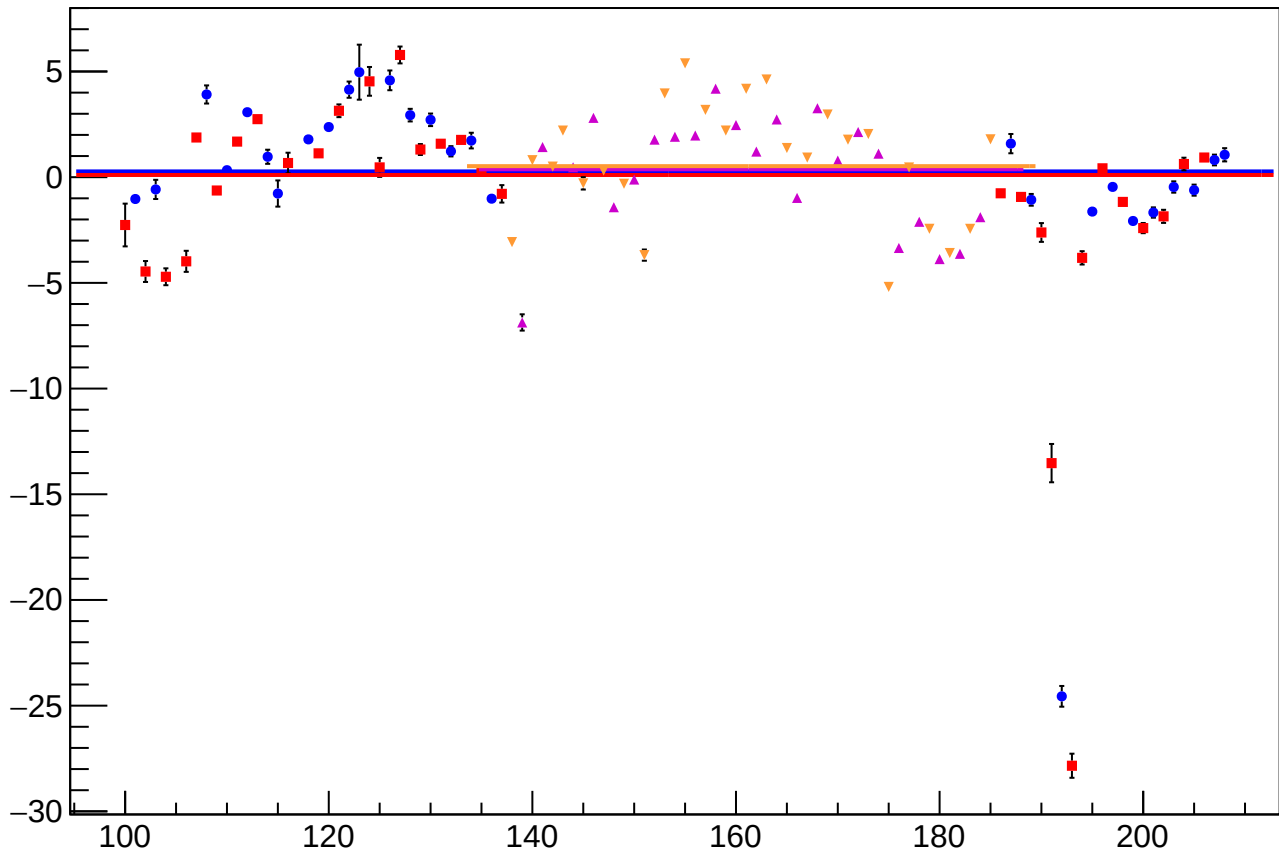
Left In: -17.393 ± 0.039 $\chi^2/\text{NDF}: 43178.9/22$

+ sign -10.957 ± 0.033 $\chi^2/\text{NDF}: 231479.1/35$

All: -10.700 ± 0.023 $\chi^2/\text{NDF}: 407355.6/70$

- sign -10.450 ± 0.033 $\chi^2/\text{NDF}: 175757.9/34$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.273 ± 0.049 $\chi^2/\text{NDF}: 3823.2/27$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.104 ± 0.047 $\chi^2/\text{NDF}: 4259.9/30$

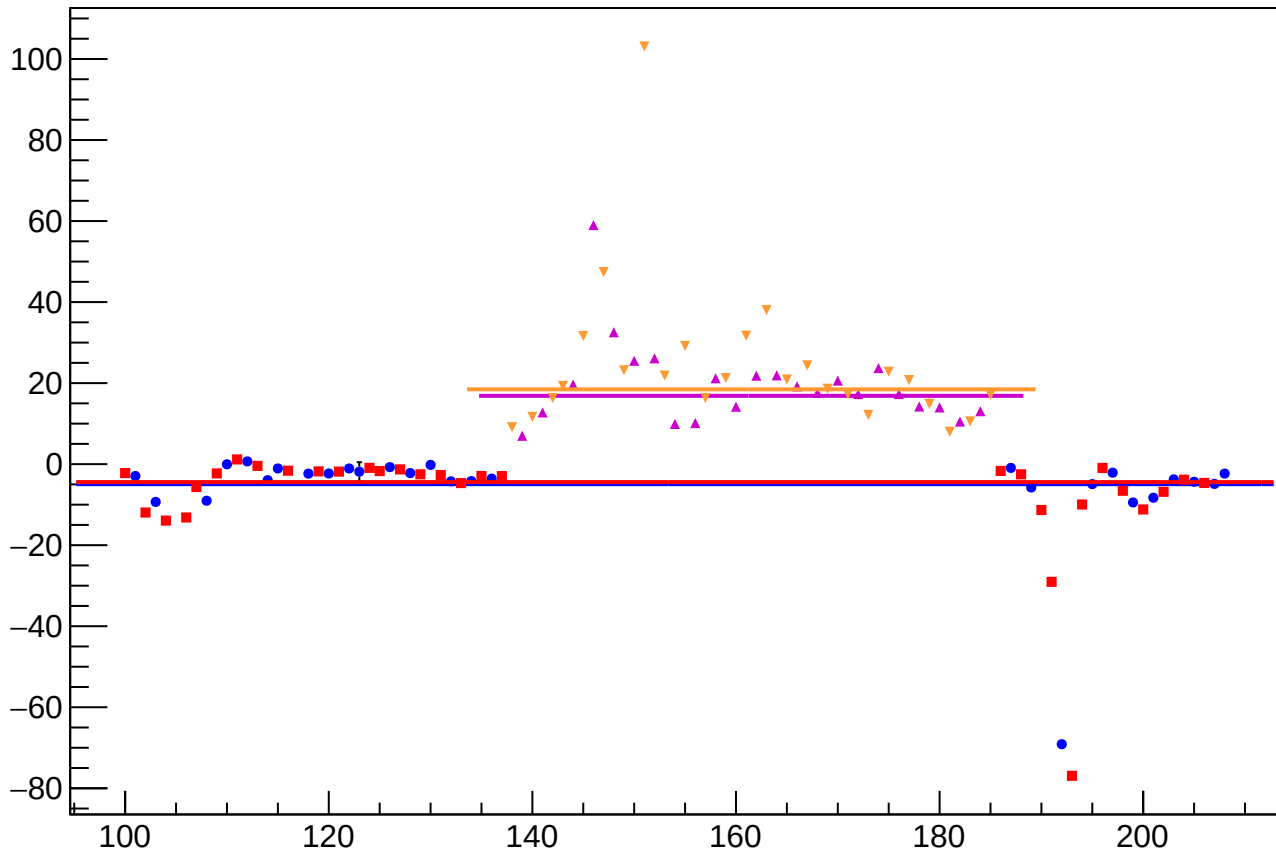
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.444 ± 0.027 $\chi^2/\text{NDF}: 10896.1/52$

All: 0.362 ± 0.019 $\chi^2/\text{NDF}: 21413.0/106$

- sign 0.288 ± 0.026 $\chi^2/\text{NDF}: 10499.9/53$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -4.936 ± 0.049 $\chi^2/\text{NDF}: 26791.5/27$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -4.429 ± 0.046 $\chi^2/\text{NDF}: 27641.2/30$

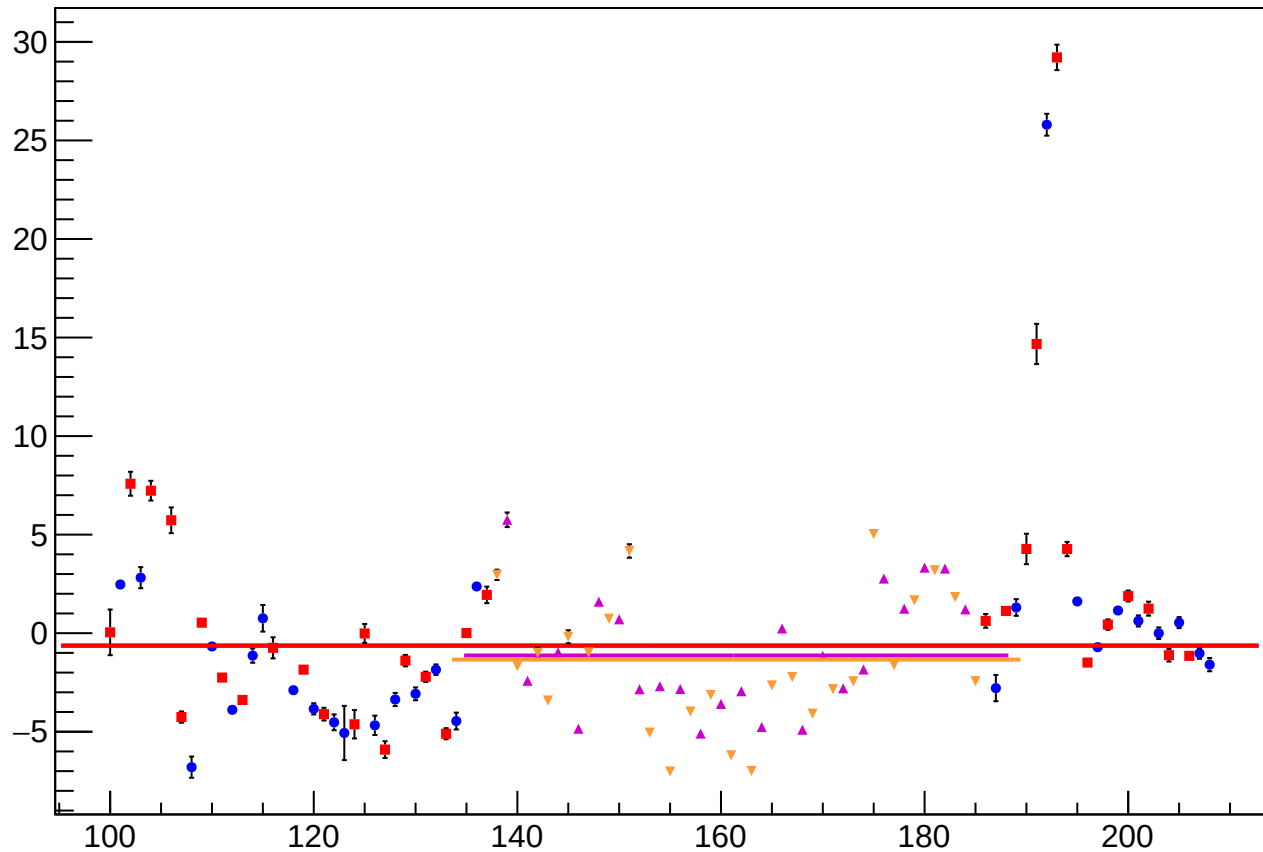
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 9.252 ± 0.031 $\chi^2/\text{NDF}: 239584.9/52$

All: 8.644 ± 0.021 $\chi^2/\text{NDF}: 433371.2/106$

- sign 8.092 ± 0.030 $\chi^2/\text{NDF}: 193054.7/53$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.628 ± 0.057 χ^2/NDF : 3910.1/27

Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24

Right Out: -0.635 ± 0.054 χ^2/NDF : 4468.5/30

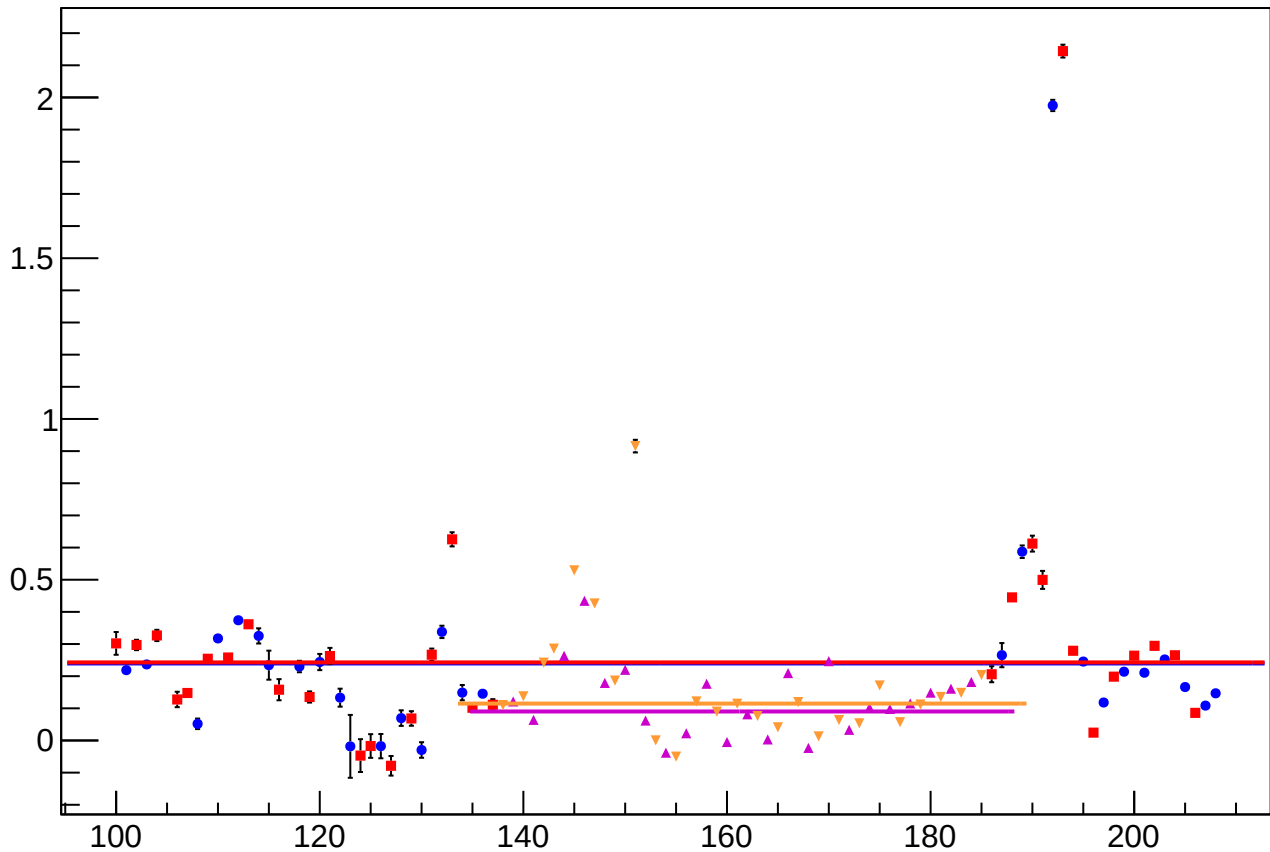
Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

+ sign -1.130 ± 0.031 χ^2/NDF : 11929.1/52

All: -1.055 ± 0.021 χ^2/NDF : 23176.7/106

- sign -0.987 ± 0.029 χ^2/NDF : 11236.3/53

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.240 ± 0.002 χ^2/NDF : 11301.4/27

Left Out: 0.115 ± 0.002 χ^2/NDF : 4431.9/24

Right Out: 0.243 ± 0.002 χ^2/NDF : 11890.1/30

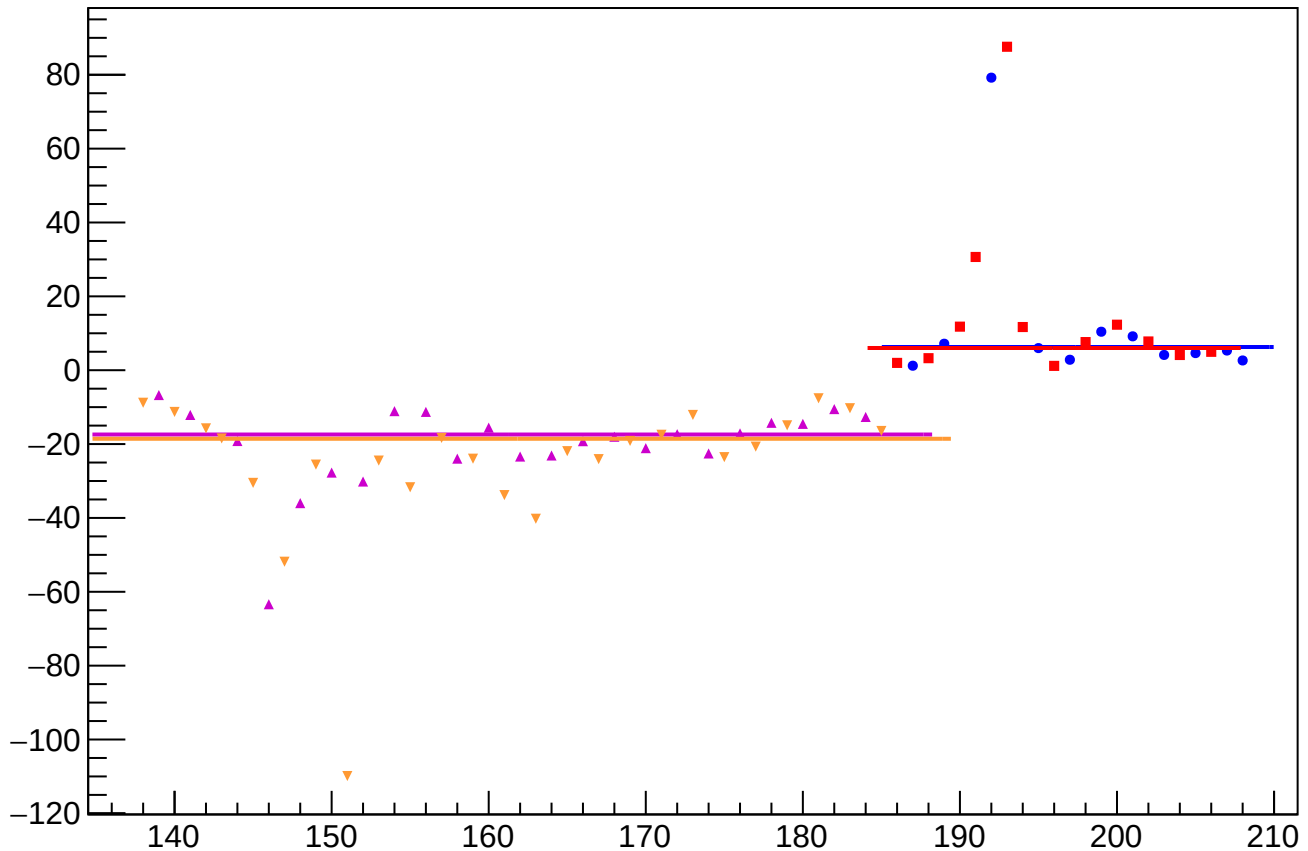
Left In: 0.090 ± 0.002 χ^2/NDF : 3676.5/22

+ sign 0.152 ± 0.001 χ^2/NDF : 17492.0/52

All: 0.143 ± 0.001 χ^2/NDF : 35960.3/106

- sign 0.134 ± 0.001 χ^2/NDF : 18367.2/53

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 6.283 ± 0.061 $\chi^2/\text{NDF}: 25060.5/10$

Left Out: -18.566 ± 0.040 $\chi^2/\text{NDF}: 86389.6/24$

Right Out: 6.016 ± 0.061 $\chi^2/\text{NDF}: 25052.6/11$

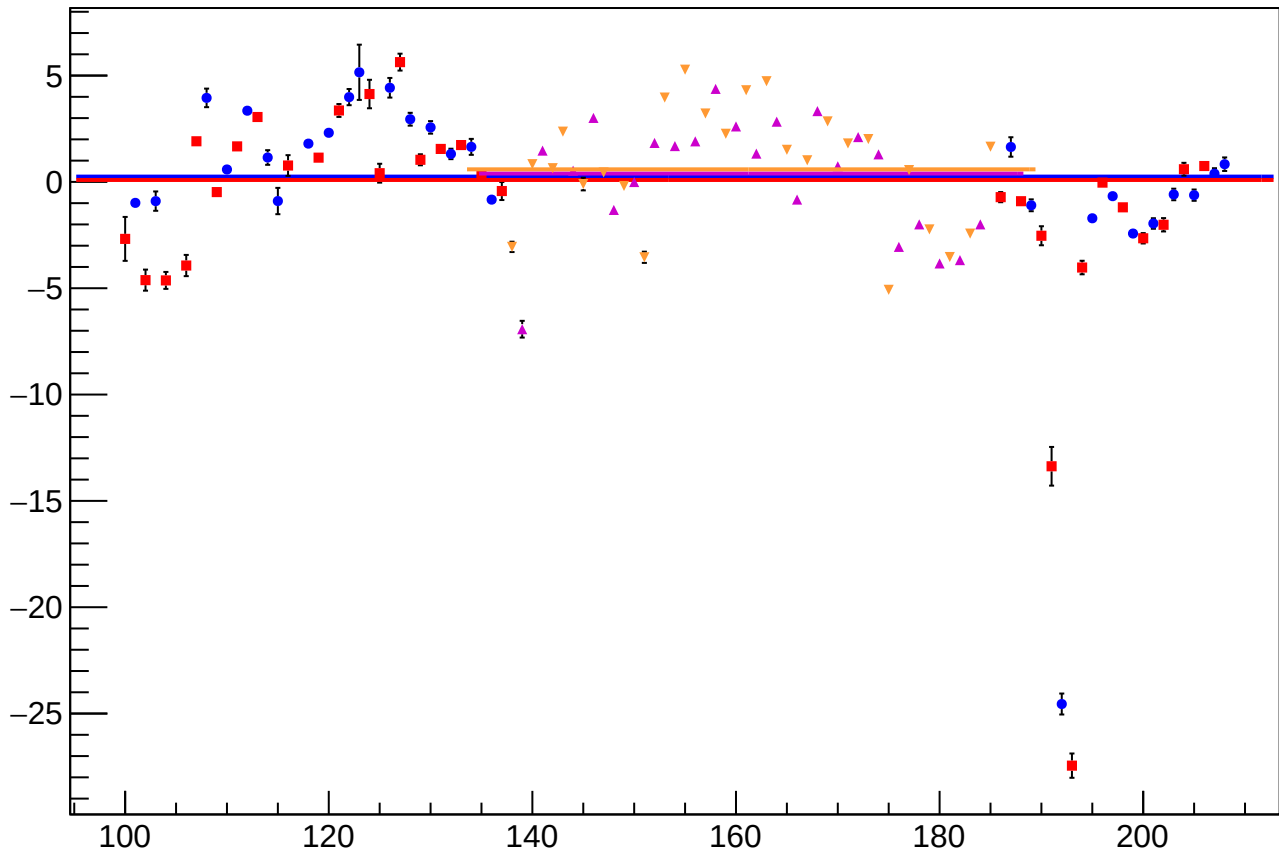
Left In: -17.414 ± 0.039 $\chi^2/\text{NDF}: 43504.1/22$

+ sign -11.030 ± 0.033 $\chi^2/\text{NDF}: 227929.2/35$

All: -10.756 ± 0.023 $\chi^2/\text{NDF}: 401654.2/70$

- sign -10.490 ± 0.033 $\chi^2/\text{NDF}: 173592.9/34$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.249 ± 0.049 χ^2/NDF : 3860.9/27

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.091 ± 0.047 χ^2/NDF : 4212.5/30

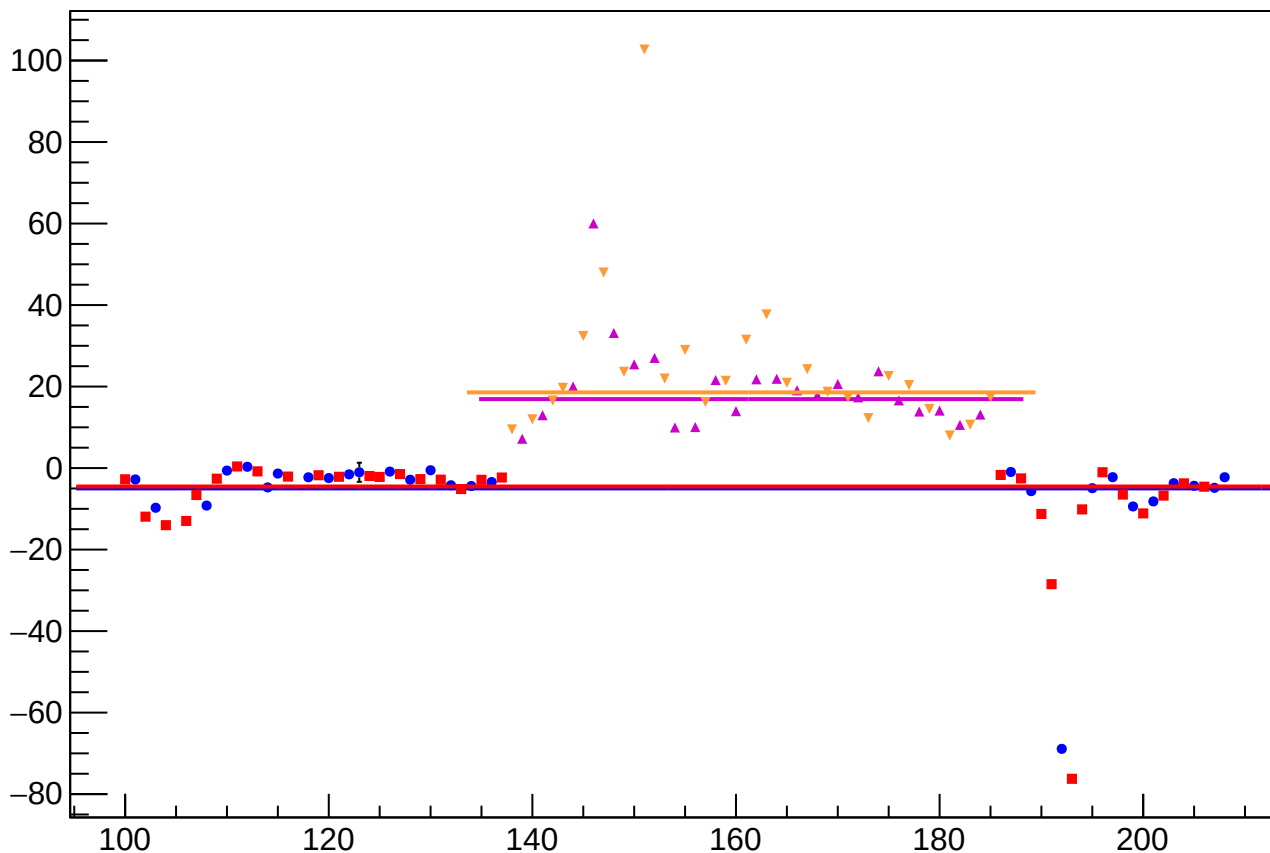
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.484 ± 0.028 χ^2/NDF : 10690.3/52

All: 0.387 ± 0.019 χ^2/NDF : 21014.3/106

- sign 0.300 ± 0.026 χ^2/NDF : 10300.7/53

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -4.988 ± 0.050 $\chi^2/\text{NDF}: 26124.5/27$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.520 ± 0.047 $\chi^2/\text{NDF}: 26744.9/30$

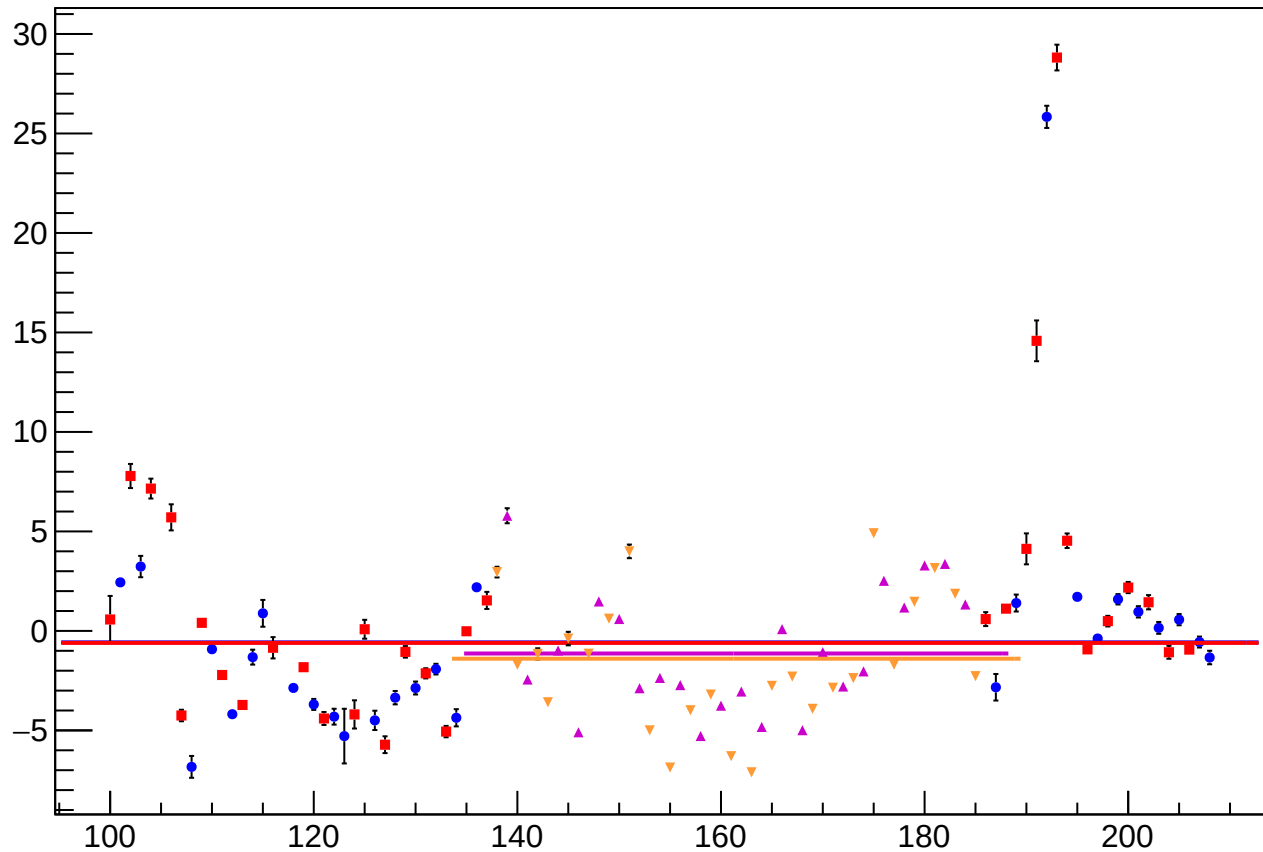
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 9.331 ± 0.031 $\chi^2/\text{NDF}: 236496.1/52$

All: 8.709 ± 0.022 $\chi^2/\text{NDF}: 428412.0/106$

- sign 8.145 ± 0.030 $\chi^2/\text{NDF}: 191167.4/53$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.577 ± 0.057 χ^2/NDF : 3903.8/27

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.601 ± 0.055 χ^2/NDF : 4407.2/30

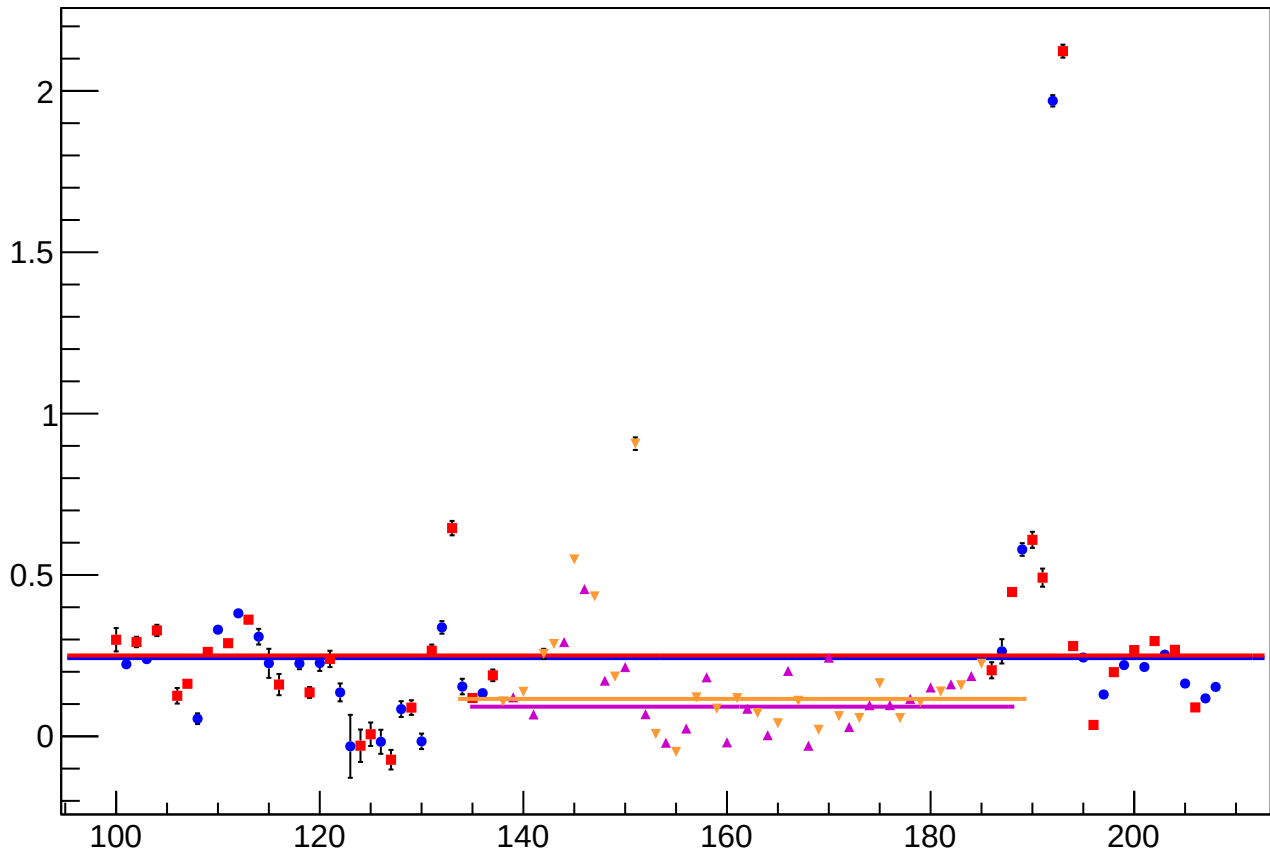
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.155 ± 0.031 χ^2/NDF : 11700.2/52

All: -1.064 ± 0.021 χ^2/NDF : 22788.5/106

- sign -0.980 ± 0.030 χ^2/NDF : 11071.6/53

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.242 ± 0.003 $\chi^2/\text{NDF}: 11035.3/27$

Left Out: 0.116 ± 0.002 $\chi^2/\text{NDF}: 4463.0/24$

Right Out: 0.251 ± 0.002 $\chi^2/\text{NDF}: 11368.6/30$

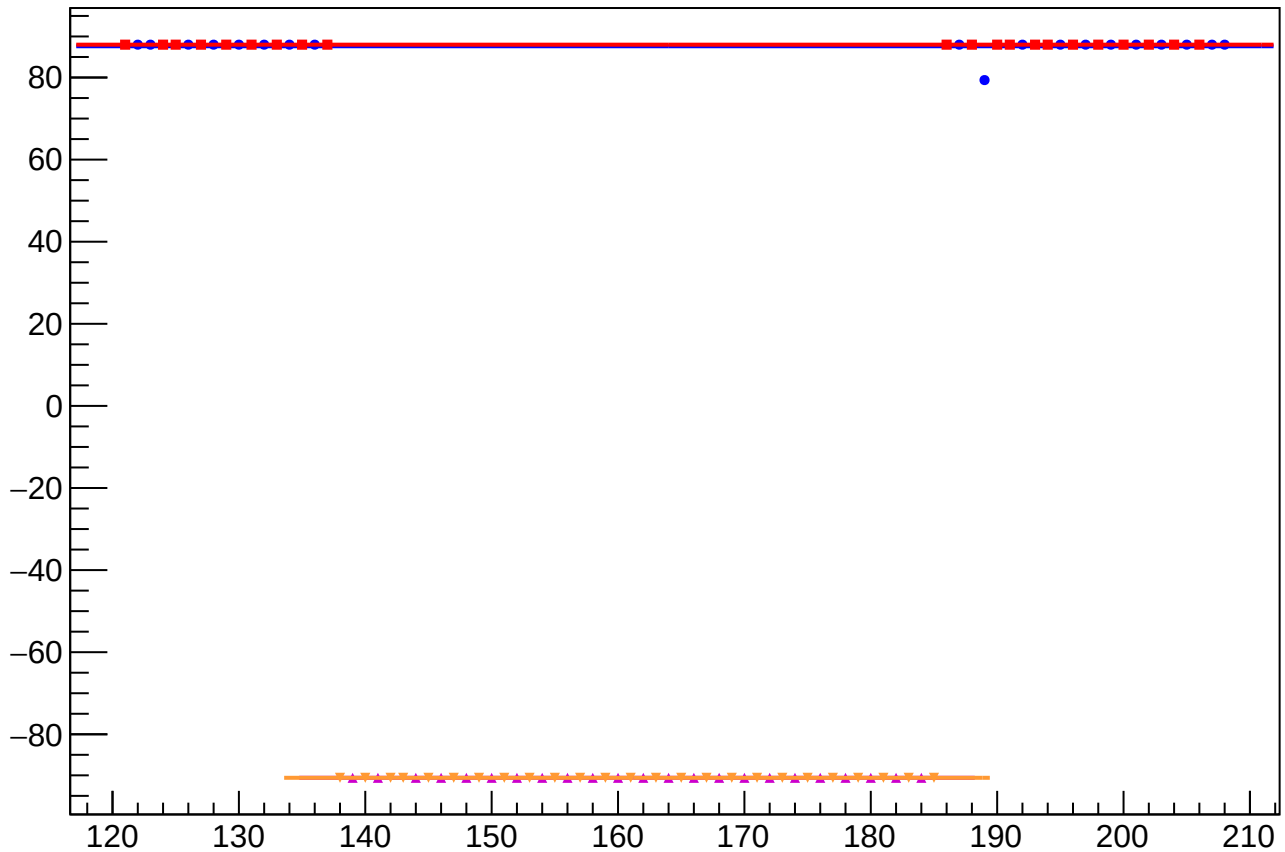
Left In: 0.092 ± 0.002 $\chi^2/\text{NDF}: 3631.4/22$

+ sign 0.154 ± 0.001 $\chi^2/\text{NDF}: 17262.2/52$

All: 0.145 ± 0.001 $\chi^2/\text{NDF}: 35287.1/106$

- sign 0.137 ± 0.001 $\chi^2/\text{NDF}: 17941.1/53$

VWienAngle_mean vs Slug



Right In: 87.615+/-0.000 χ^2/NDF : 3626609238946743582136046582759424.0/18

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 1088501.8/20

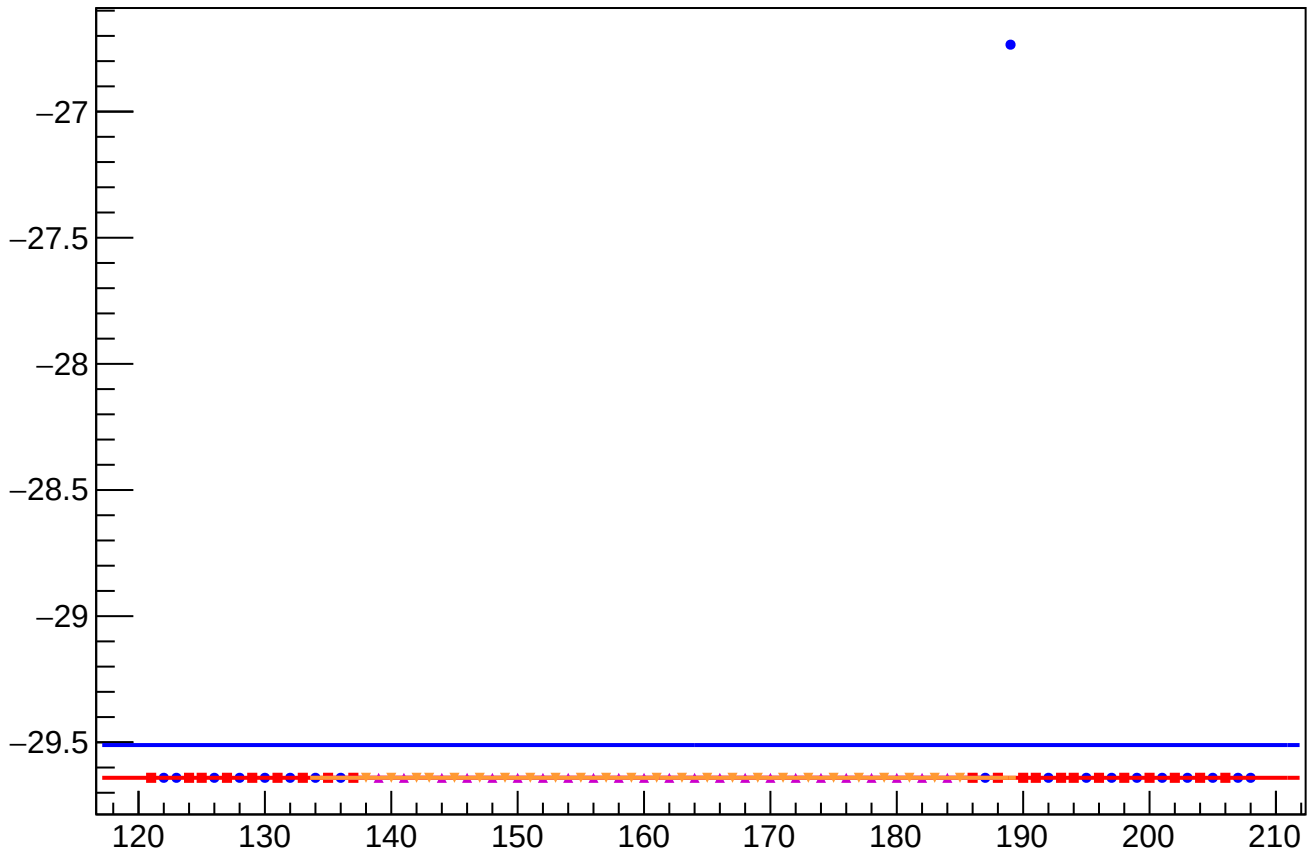
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -23.915+/-0.000 χ^2/NDF : 227023811422270

All: -22.687+/-0.000 χ^2/NDF : 450877326645

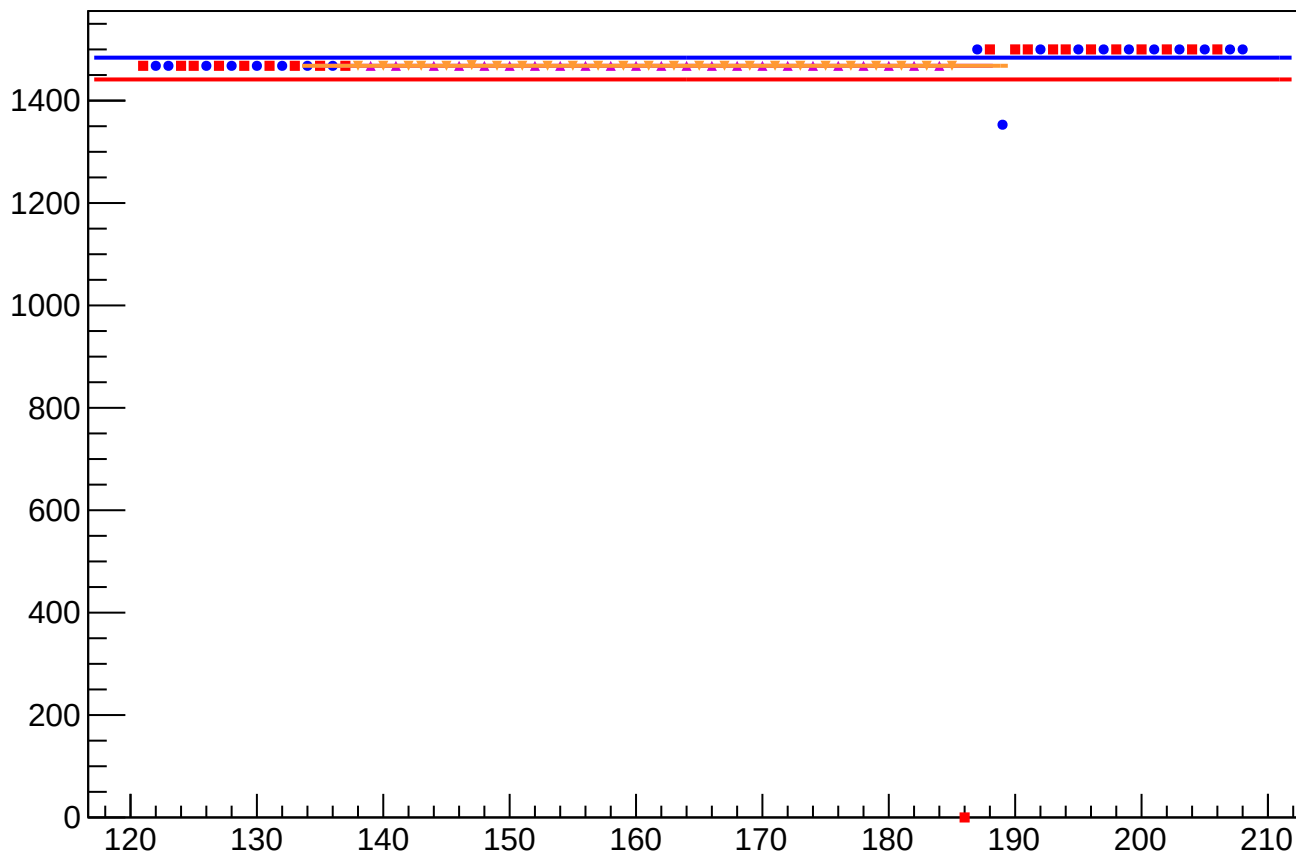
- sign -21.419+/-0.000 χ^2/NDF : 2237599809411365

HWienAngle_mean vs Slug



Right In: -29.511 $\pm$ 0.000 χ^2 /NDF: 411439025266603048189945716932608.0/18
Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 654199.2/24 + sign -29.592 $\pm$ 0.000 χ^2 /NDF: 423475512122365
Right Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 1378979.3/20 All: -29.616 $\pm$ 0.000 χ^2 /NDF: 427016357711
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: 1483.928+/-0.000 χ^2/NDF : 1155537212784247511664857980923281408.0/18

Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24

Right Out: 1441.354+/-0.000 χ^2/NDF : 81885902076170497931191322306435612672.0/20

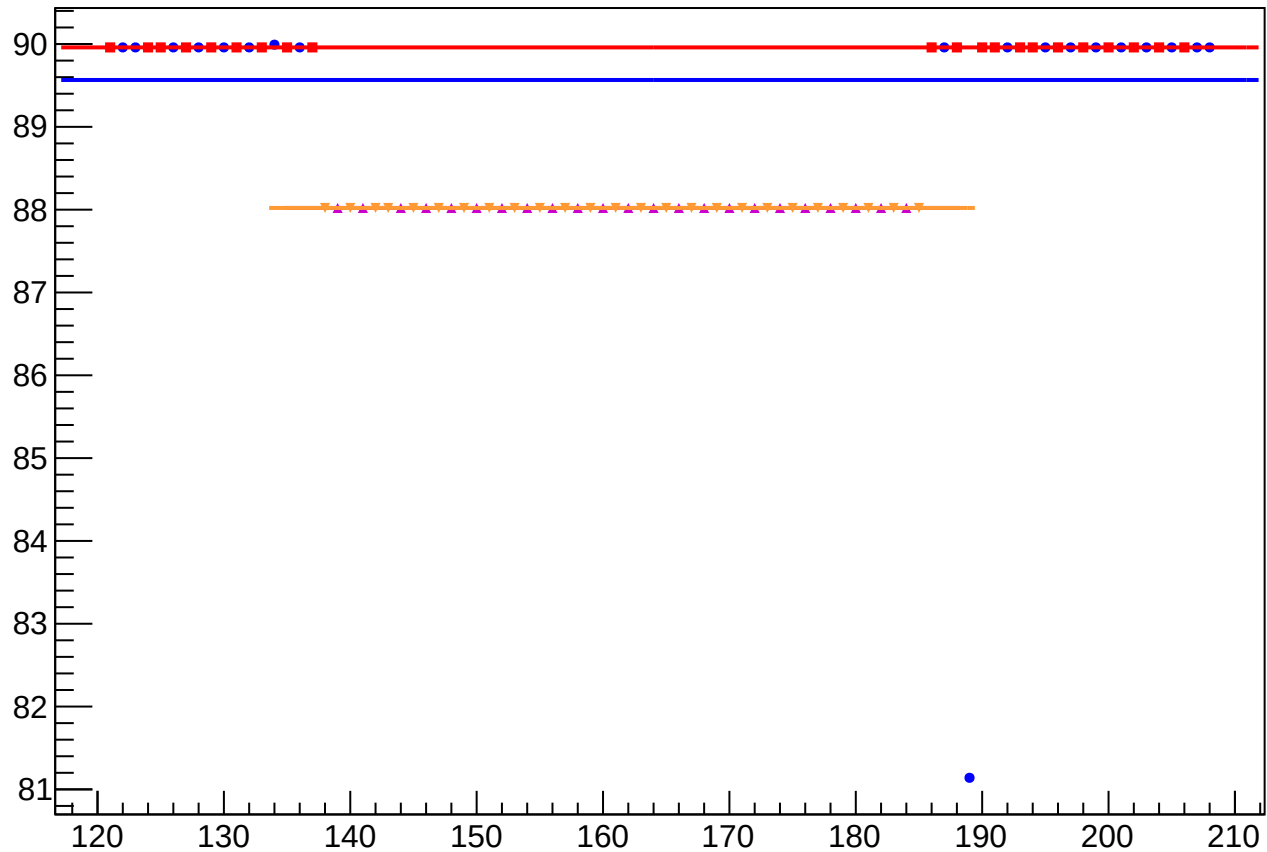
Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

+ sign 1473.990+/-0.000 χ^2/NDF : 13359014176621

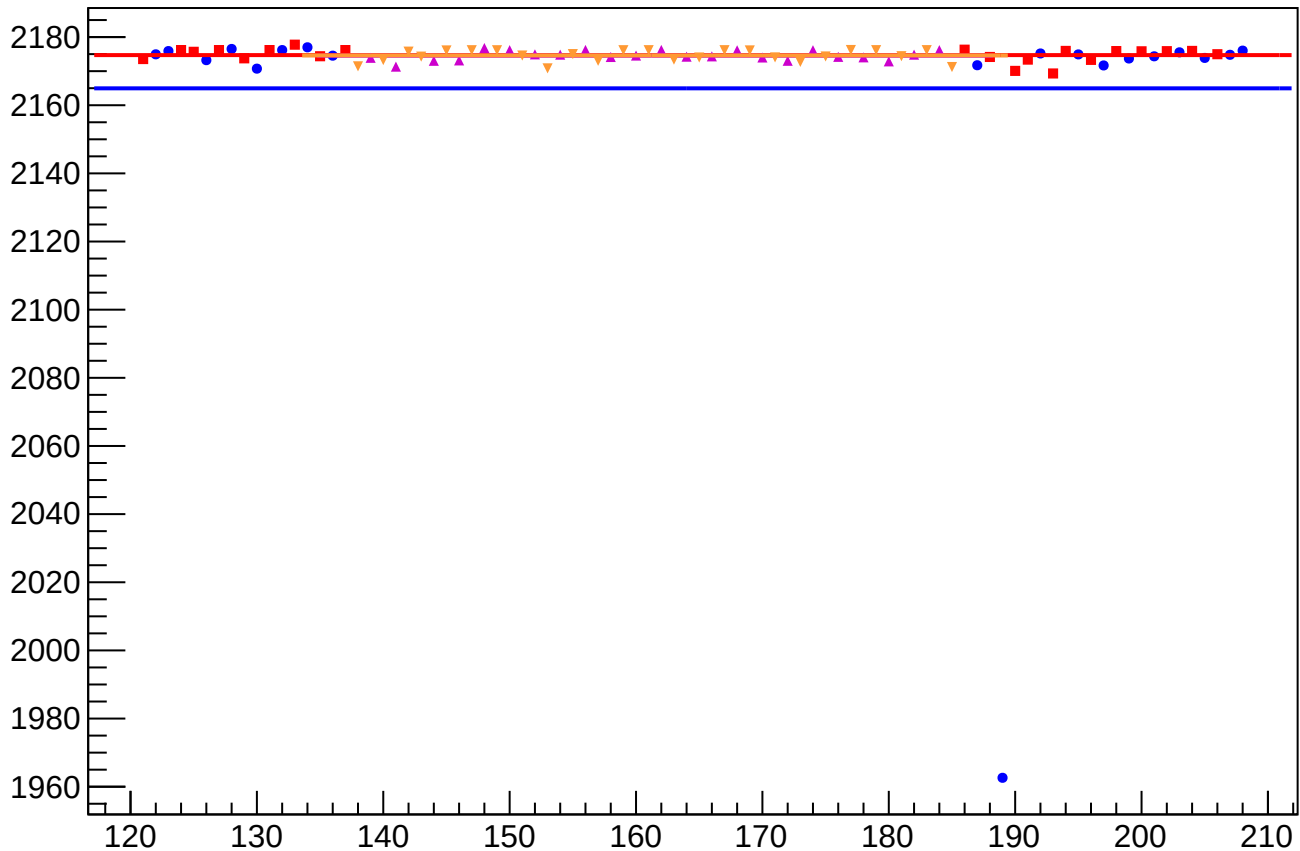
All: 1465.963+/-0.000 χ^2/NDF : 84119332225

- sign 1457.675+/-0.000 χ^2/NDF : 82383728615018

Phi_FG_mean vs Slug



HALLA_p_mean vs Slug



Right In: 2164.958 $\pm$ 0.000 χ^2 /NDF: 2188095653708624315587542384623222784.0/18

Left Out: 2174.622 $\pm$ 0.000 χ^2 /NDF: 5110578135476093110874911595823104.0/24

Right Out: 2174.712 $\pm$ 0.000 χ^2 /NDF: 4600643160160708104960258634416128.0/20

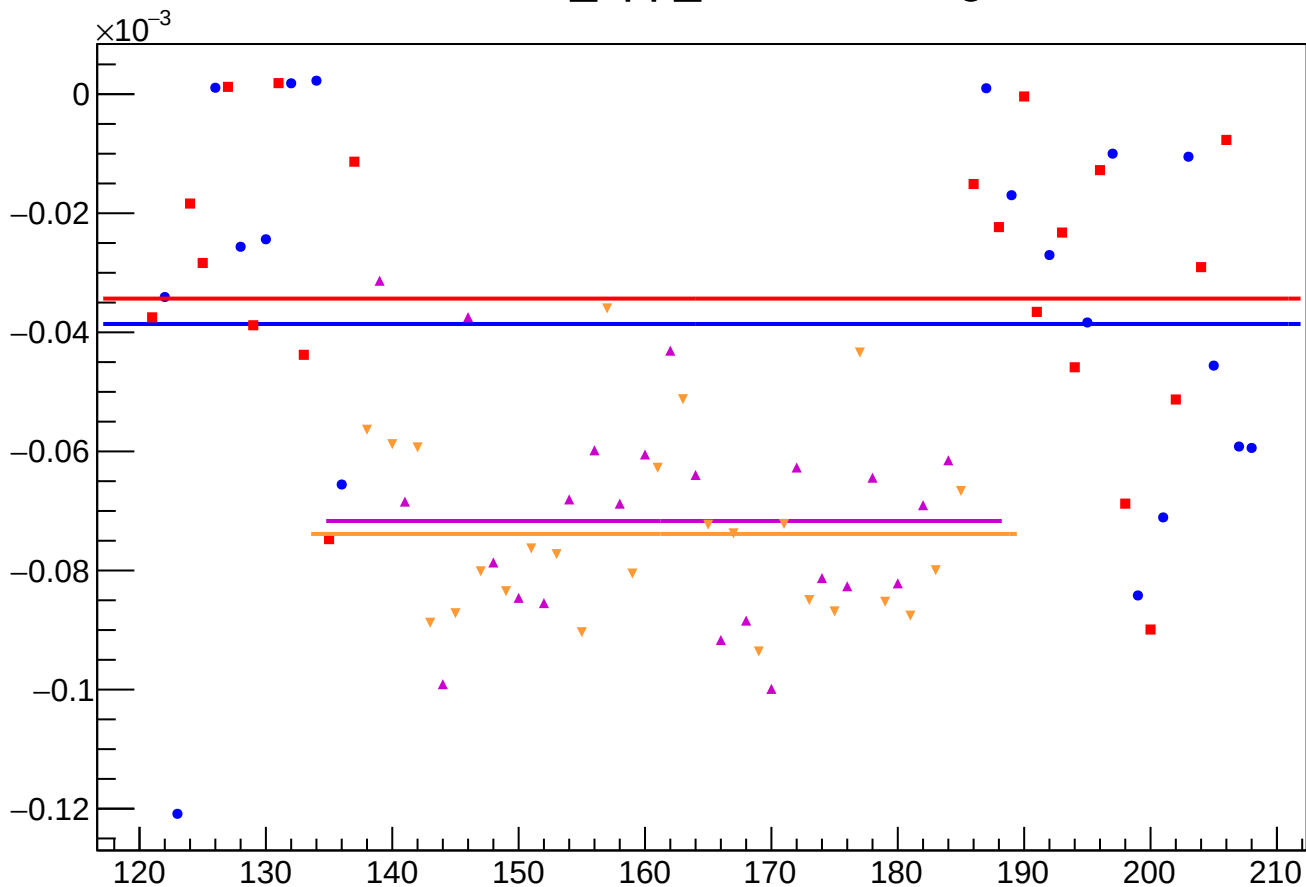
Left In: 2174.539 $\pm$ 0.000 χ^2 /NDF: 3400742562425168967494665391570944.0/22

+ sign 2171.006 $\pm$ 0.000 χ^2 /NDF: 22599514781795

All: 2172.777 $\pm$ 0.000 χ^2 /NDF: 2287436005

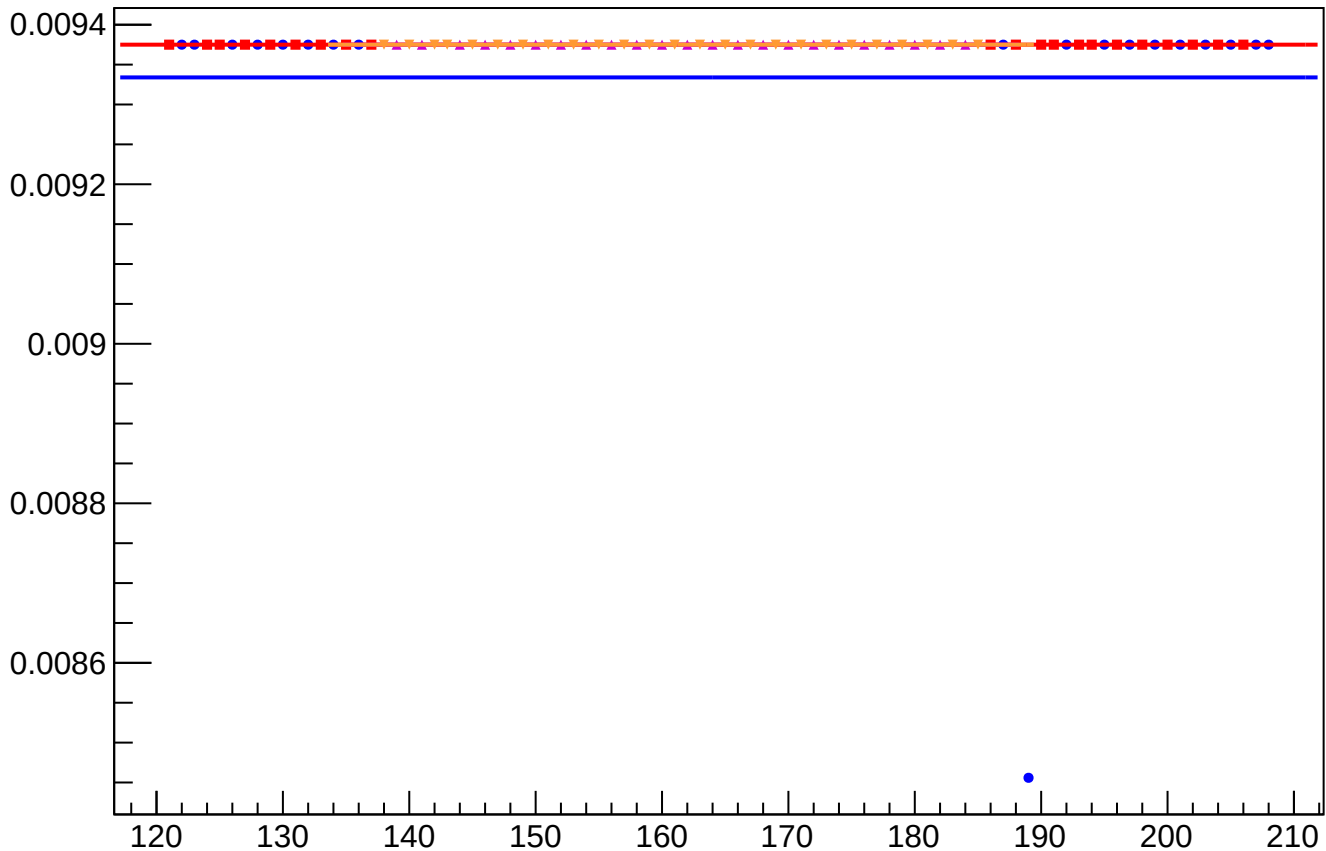
- sign 2174.606 $\pm$ 0.000 χ^2 /NDF: 80224255171138

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 800845618972012297846784.0/18
 Left Out: -0.000 ± 0.000 χ^2/NDF : 450400934180541069000704.0/24
 Right Out: -0.000 ± 0.000 χ^2/NDF : 777373102512458730307584.0/20
 Left In: -0.000 ± 0.000 χ^2/NDF : 562166279020739416817664.0/22

MQ171LM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 41159589246161505698709504.0/18

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

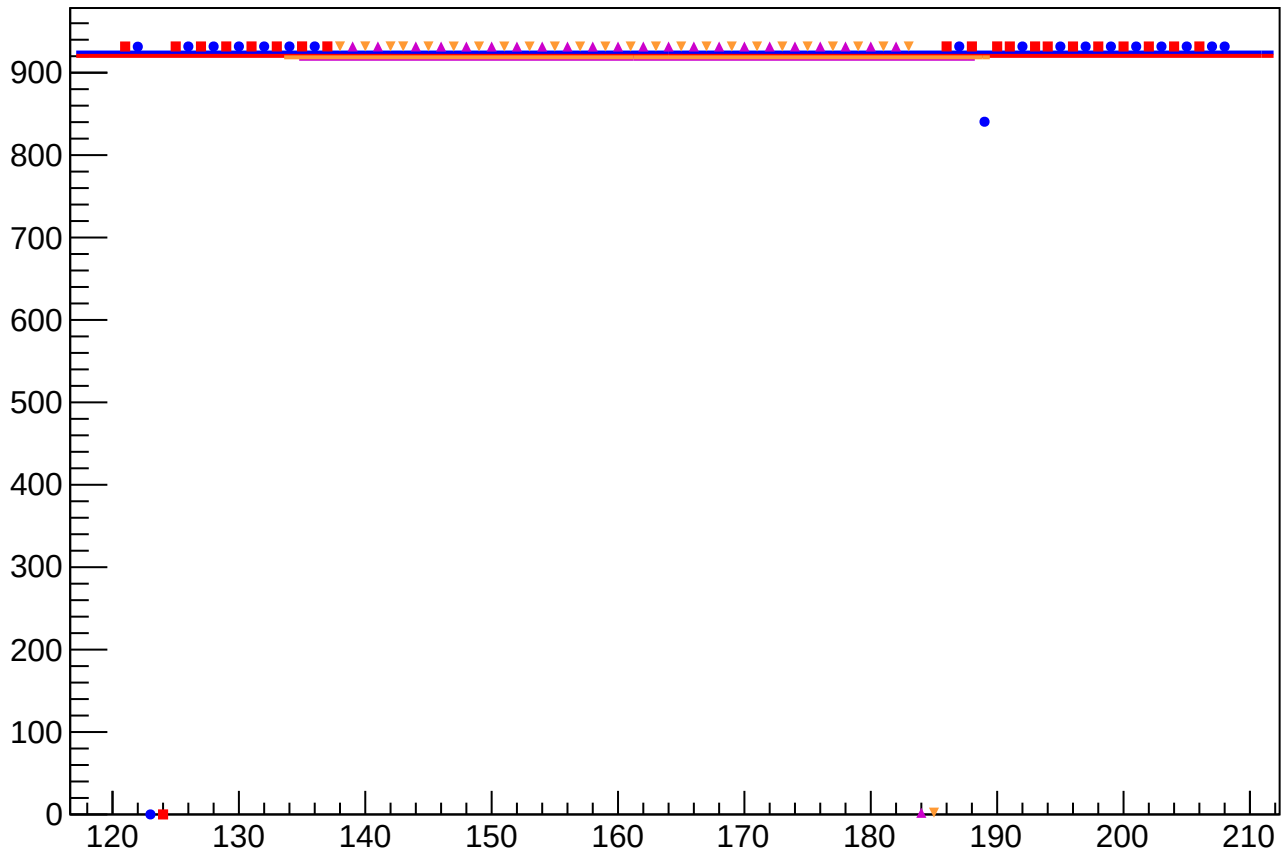
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42363696840546934

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42717916399456

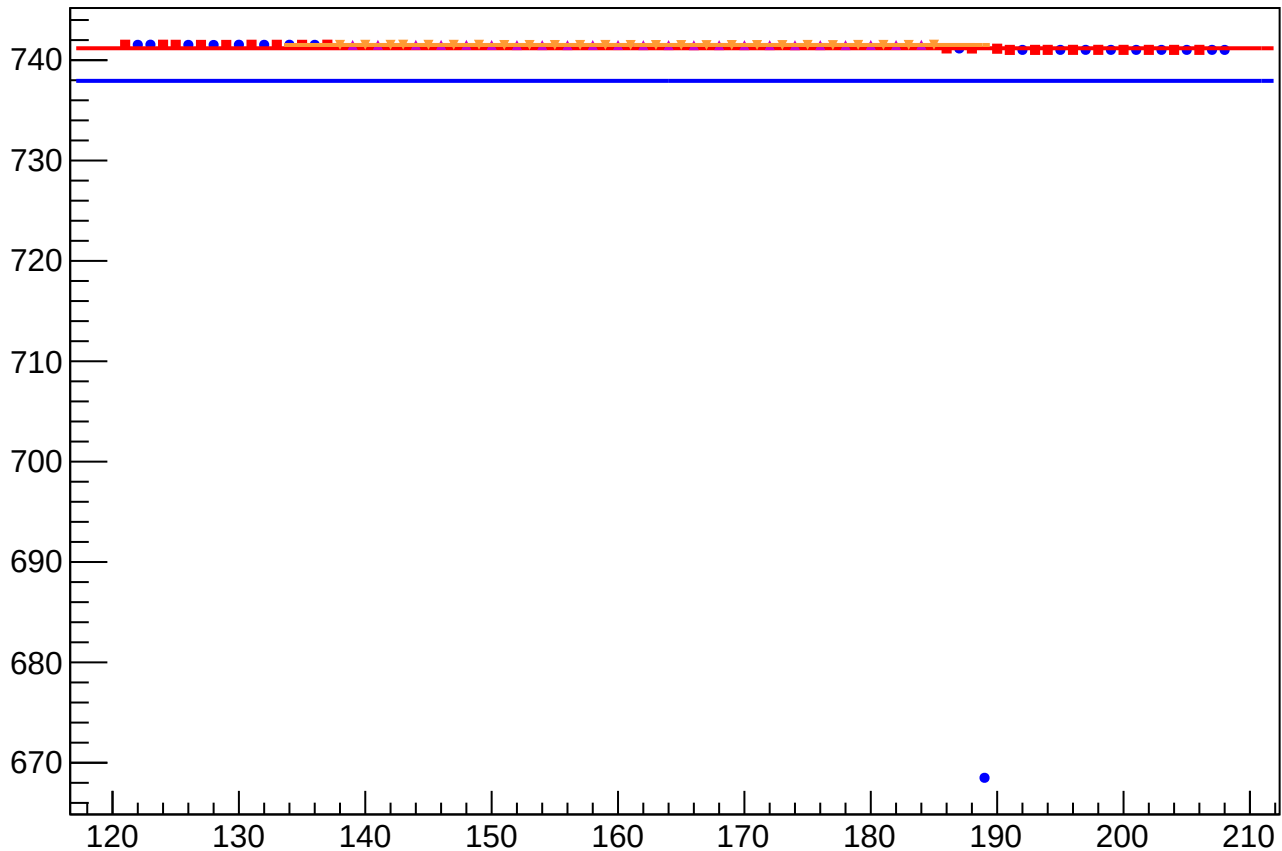
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/43

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.447+/-0.000 χ^2/NDF : 3836233459820475590570397393303371776.0/18
 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

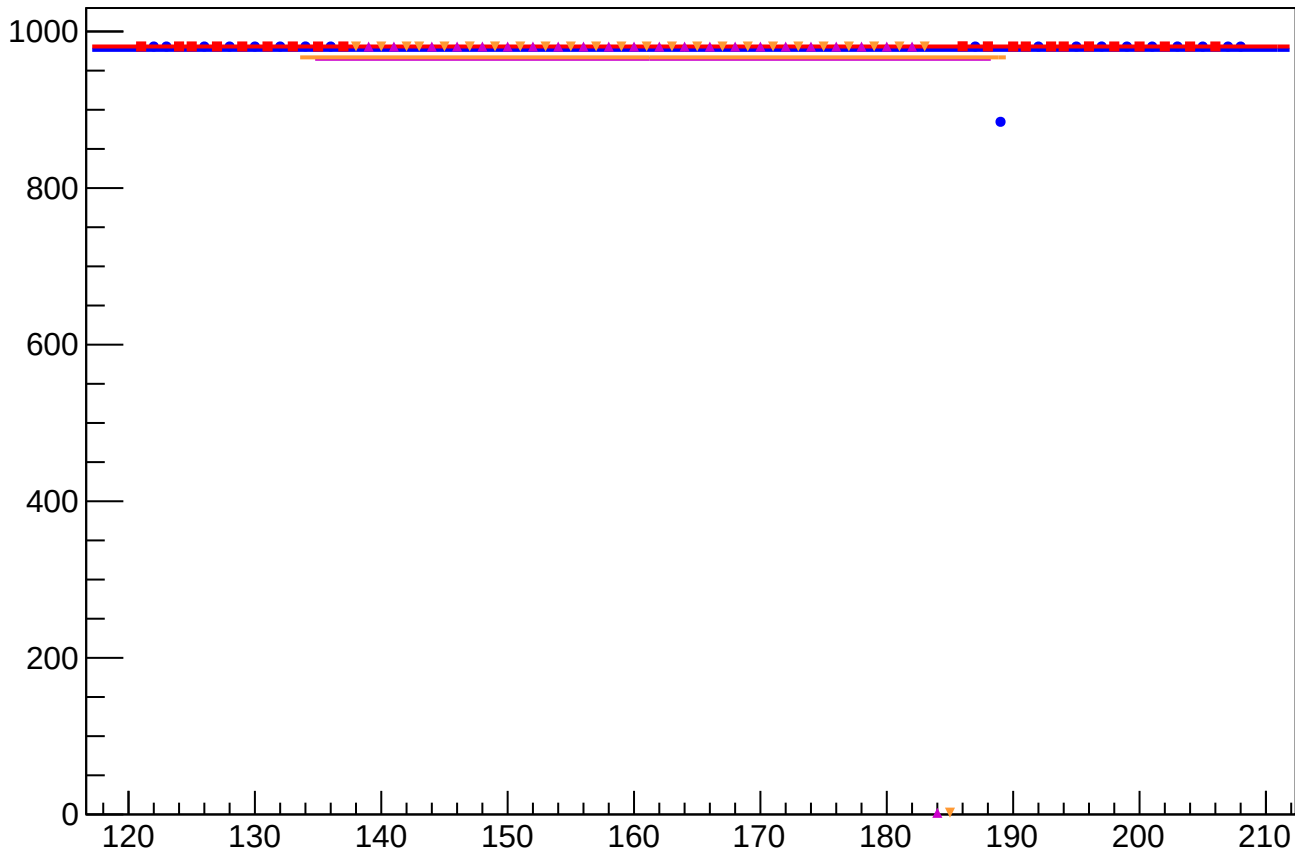
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 737.938+/-0.000 χ^2/NDF : 257449029585973523215828748515409920.0/18
Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24
Right Out: 741.185+/-0.000 χ^2/NDF : 54134309969828496423833401556992.0/20
Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 740.175+/-0.000 χ^2/NDF : 266584931582052
All: 740.771+/-0.000 χ^2/NDF : 268914583190
- sign 741.386+/-0.000 χ^2/NDF : 129493449371270

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 976.519+/-0.000 χ^2/NDF : 450655130738622036092167746991685632.0/18

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.823+/-0.000 χ^2/NDF : 3267623981370471692182401056768.0/20

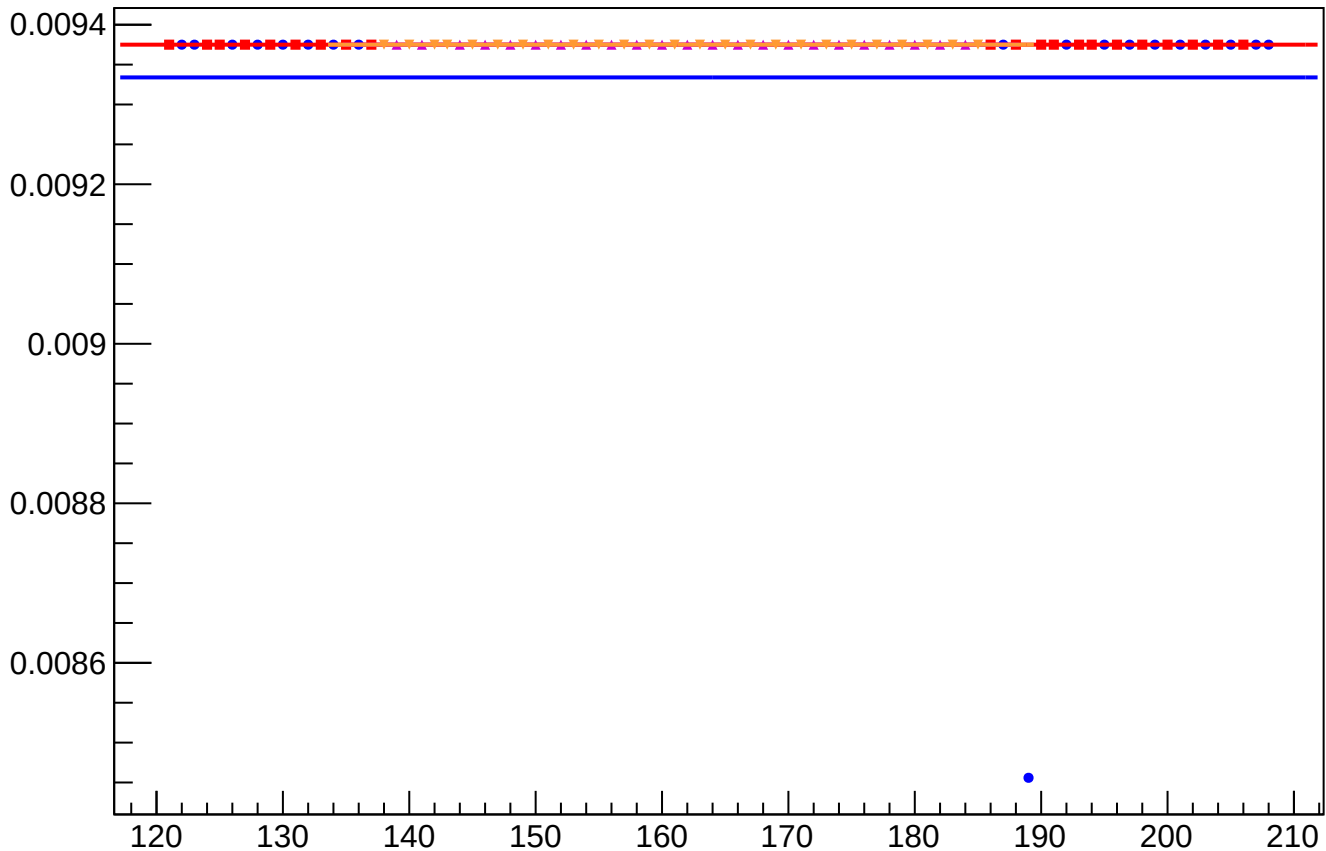
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 970.522+/-0.000 χ^2/NDF : 260018654585131

All: 970.851+/-0.000 χ^2/NDF : 535062282727

- sign 971.192+/-0.000 χ^2/NDF : 275036892224892

MQ172RM_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 41159589246161505698709504.0/18

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

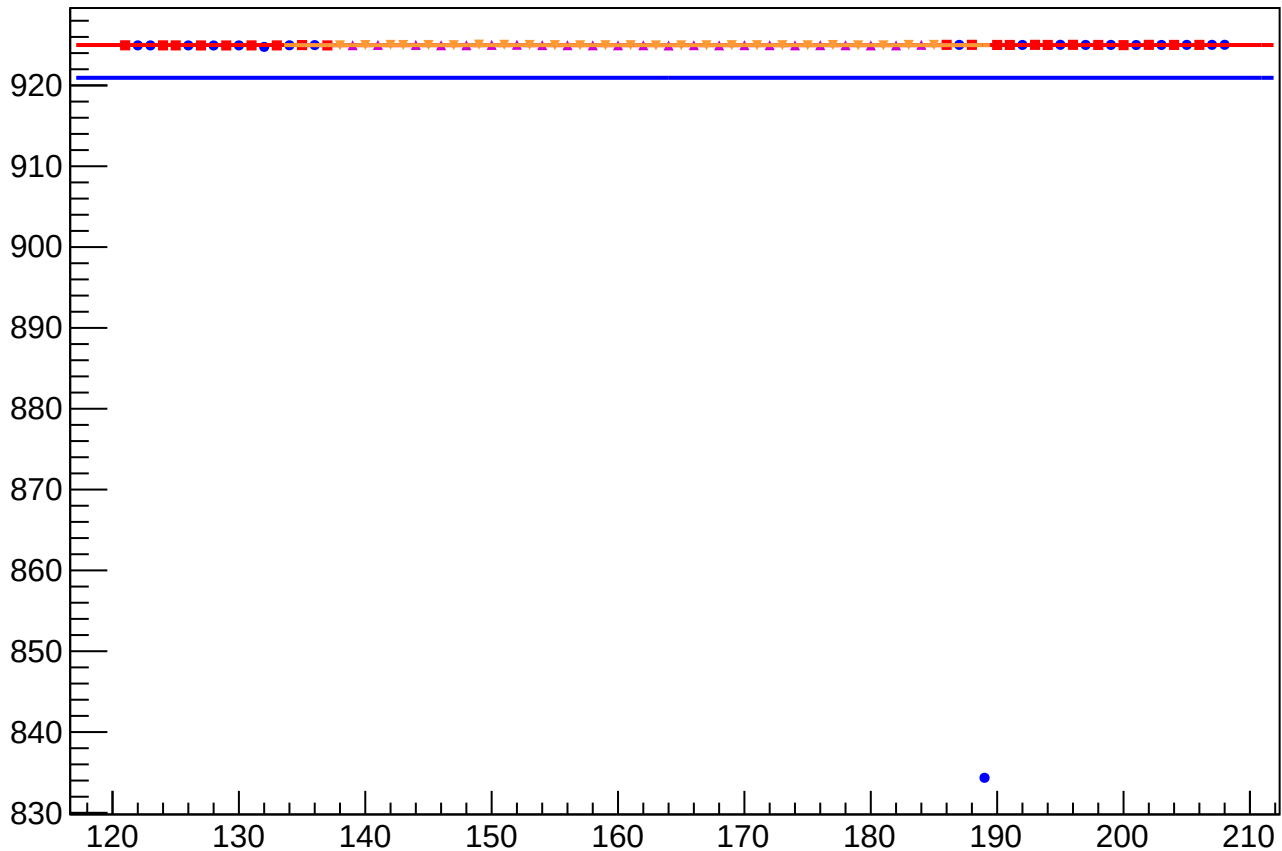
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42363696840546934

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42717916399456

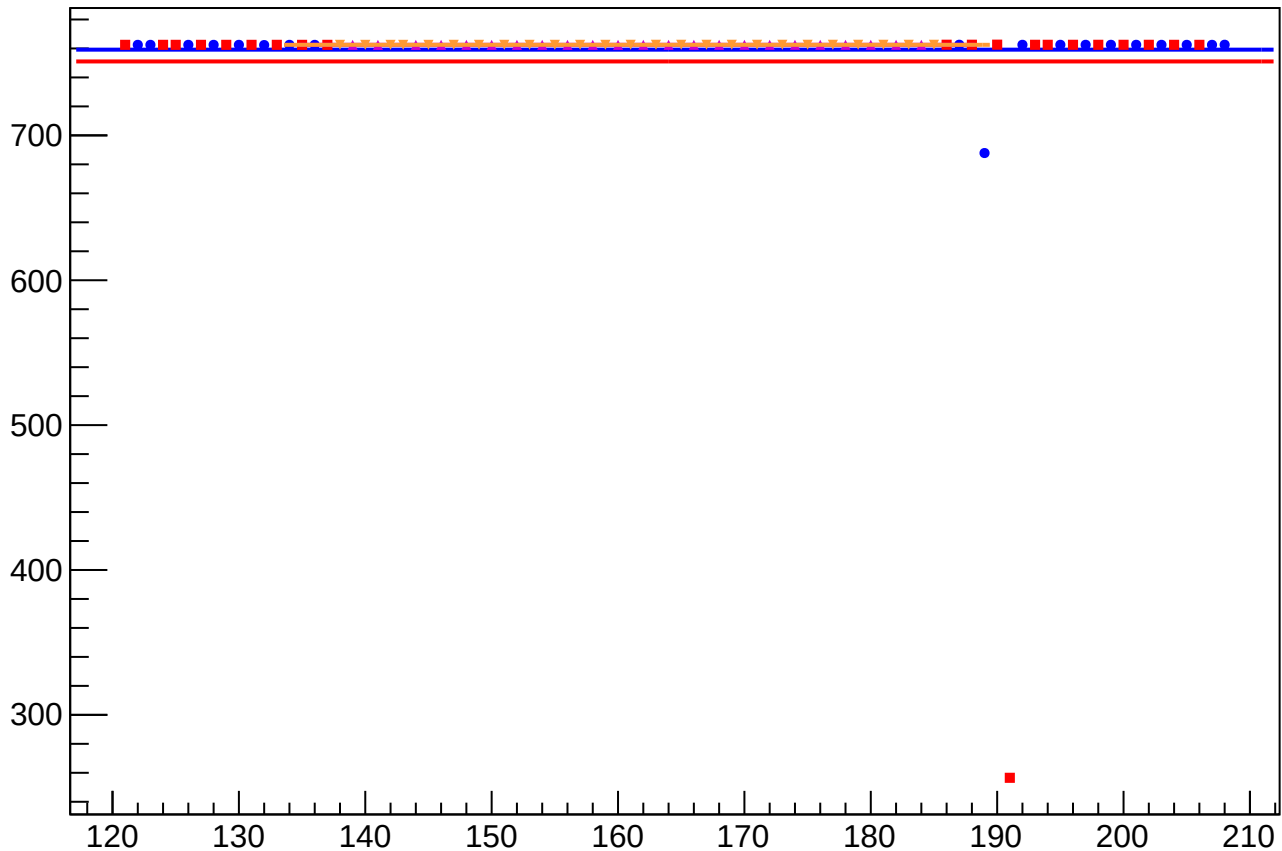
- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/43

HacR_Q2_HP3458A_IOUT_mean vs Slug



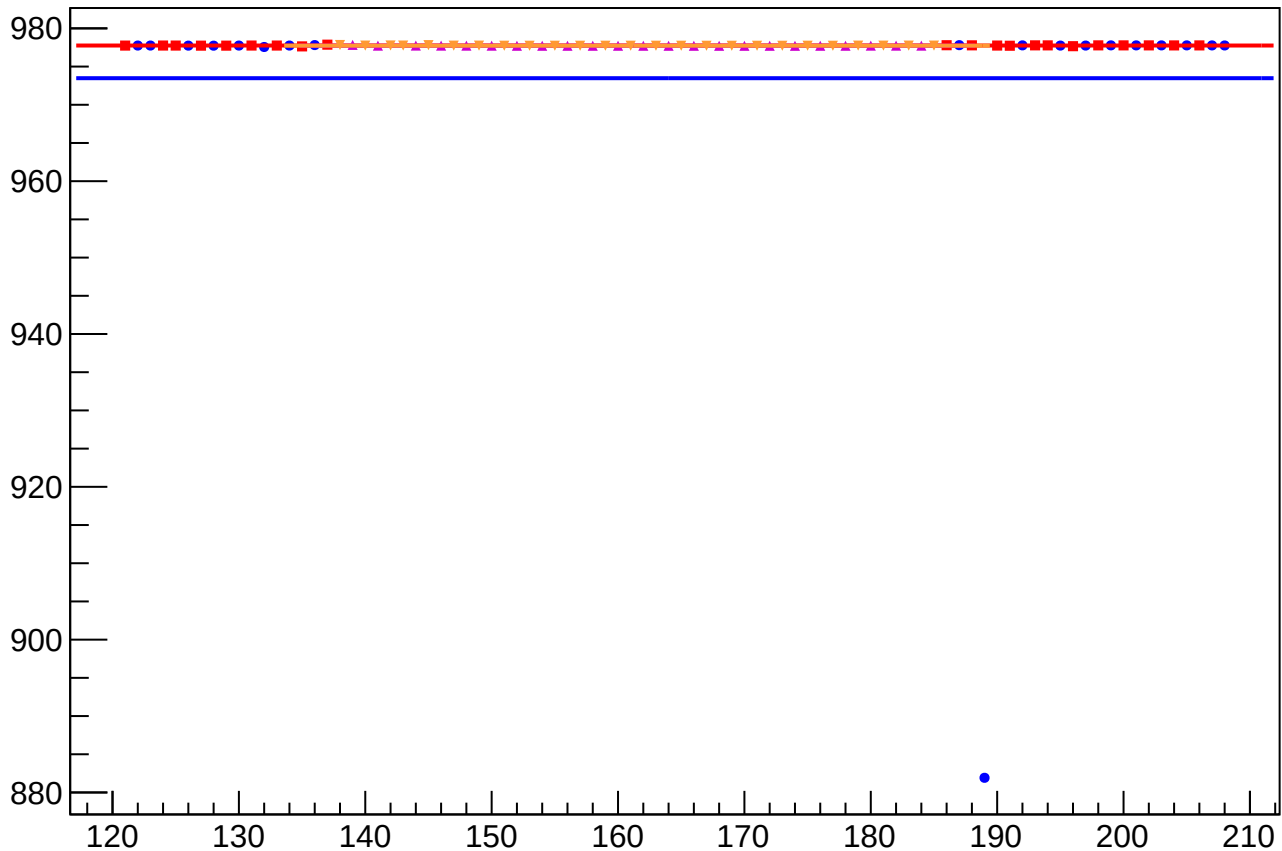
Right In: 920.943+/-0.000 χ^2/NDF : 400380759699512062843030744065900544.0/18
 Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
 Right Out: 924.997+/-0.000 χ^2/NDF : 861698478877562130081169539072.0/20
 Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22
 All: 924.218+/-0.000 χ^2/NDF : 41550230879
 + sign 923.471+/-0.000 χ^2/NDF : 412043755327653
 - sign 924.988+/-0.000 χ^2/NDF : 188769320119024

HacR_D1_HP3458A_IOUT_mean vs Slug



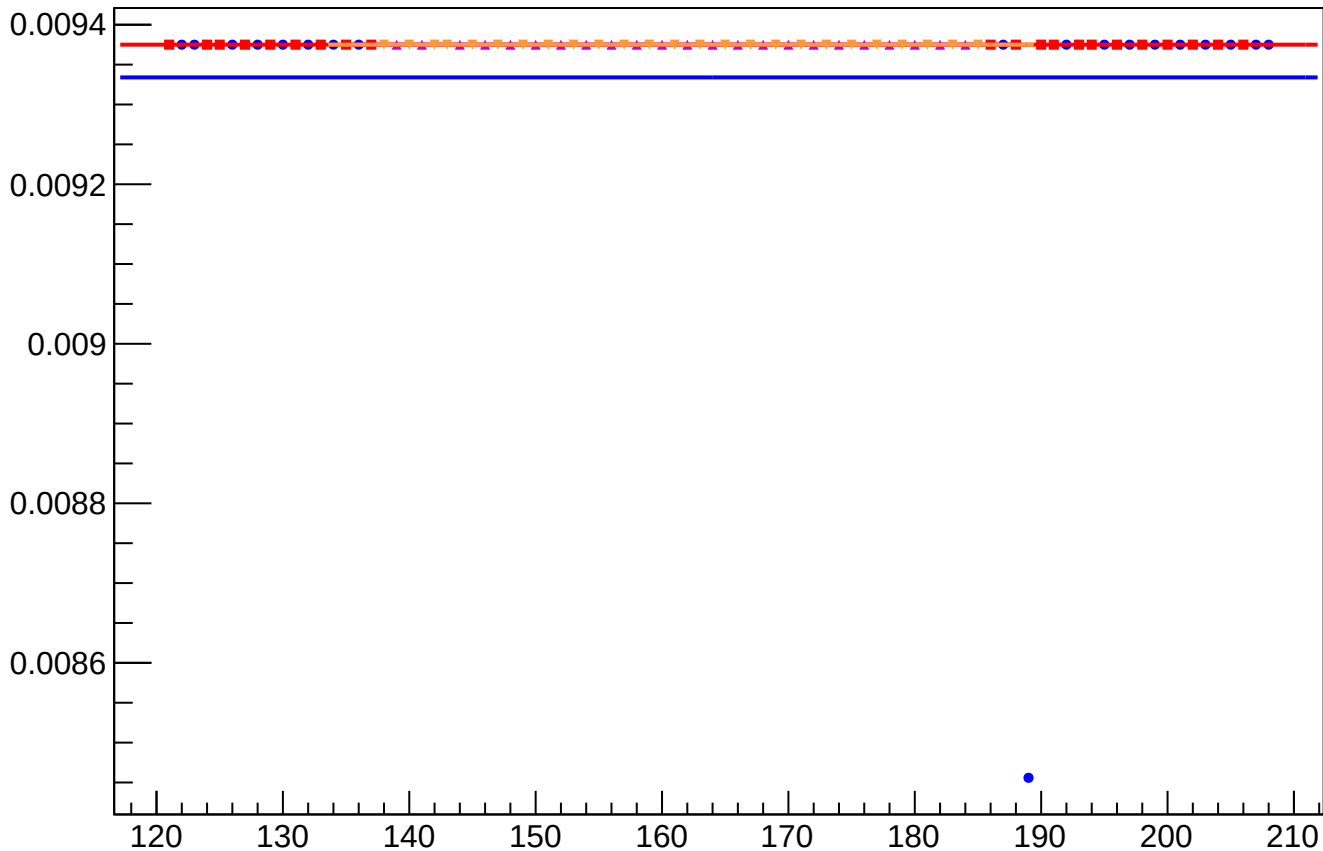
Right In: 759.176+/-0.000 χ^2/NDF : 271879760829879660672924421460066304.0/18
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 751.036+/-0.000 χ^2/NDF : 6505116593699807576131000056909135872.0/20
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 759.695+/-0.000 χ^2/NDF : 68928229733.0/20
 + sign 761.268+/-0.000 χ^2/NDF : 279864422538363.0/20
 - sign 758.071+/-0.000 χ^2/NDF : 659761506983633.0/20

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 973.479+/-0.000	χ^2/NDF : 447525266667319403509411812915281920.0/18	+ sign 976.144+/-0.000	χ^2/NDF : 460488135912453
Left Out: 977.738+/-0.000	χ^2/NDF : 1154150409979077132991401558016.0/24	All: 976.931+/-0.000	χ^2/NDF : 464327160914
Right Out: 977.755+/-0.000	χ^2/NDF : 1825510370172774799142811598848.0/20	- sign 977.742+/-0.000	χ^2/NDF : 307714732423338
Left In: 977.735+/-0.000	χ^2/NDF : 976503887937607318263199432704.0/22		

hesDipole_current_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 41159589246161505698709504.0/18

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

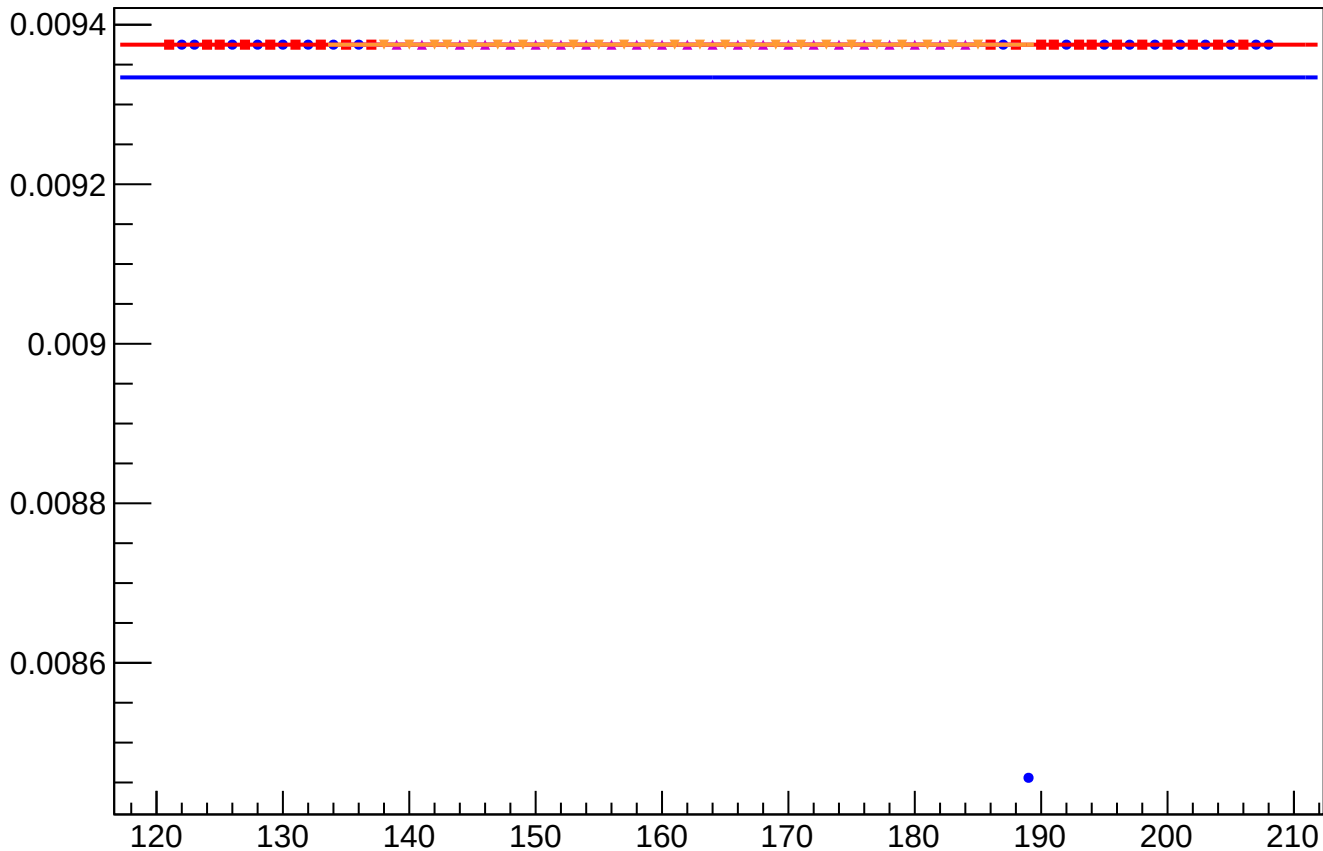
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42363696840546934

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42717916399456

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/43

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 41159589246161505698709504.0/18

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

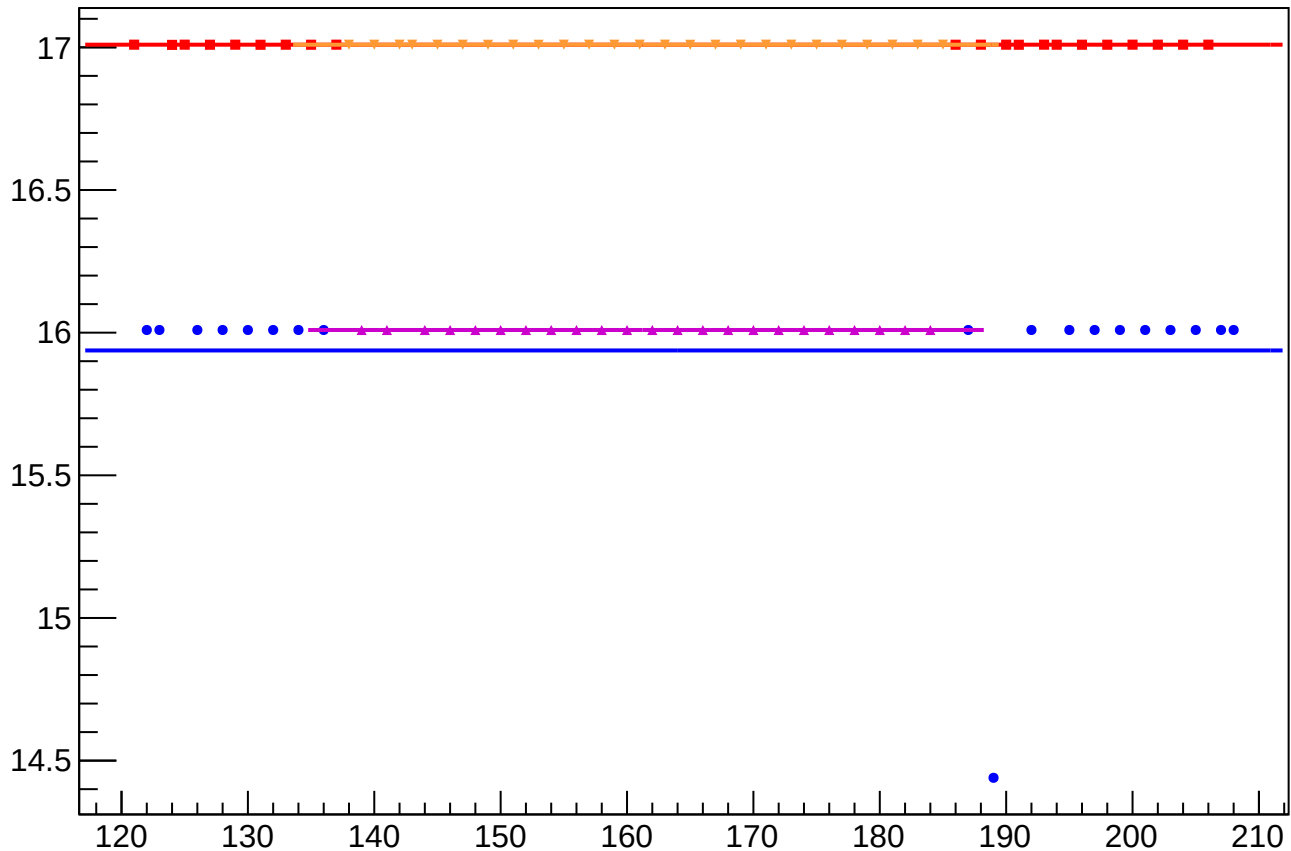
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 42363696840546934

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 42717916399456

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 0.2/43

IGL1I00DI24_24M_mean vs Slug



Right In: 15.938+/-0.000 χ^2/NDF : 119895360382147696561057804845056.0/18

Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24

Right Out: 17.009+/-0.000 χ^2/NDF : 15312521325834853117067264.0/20

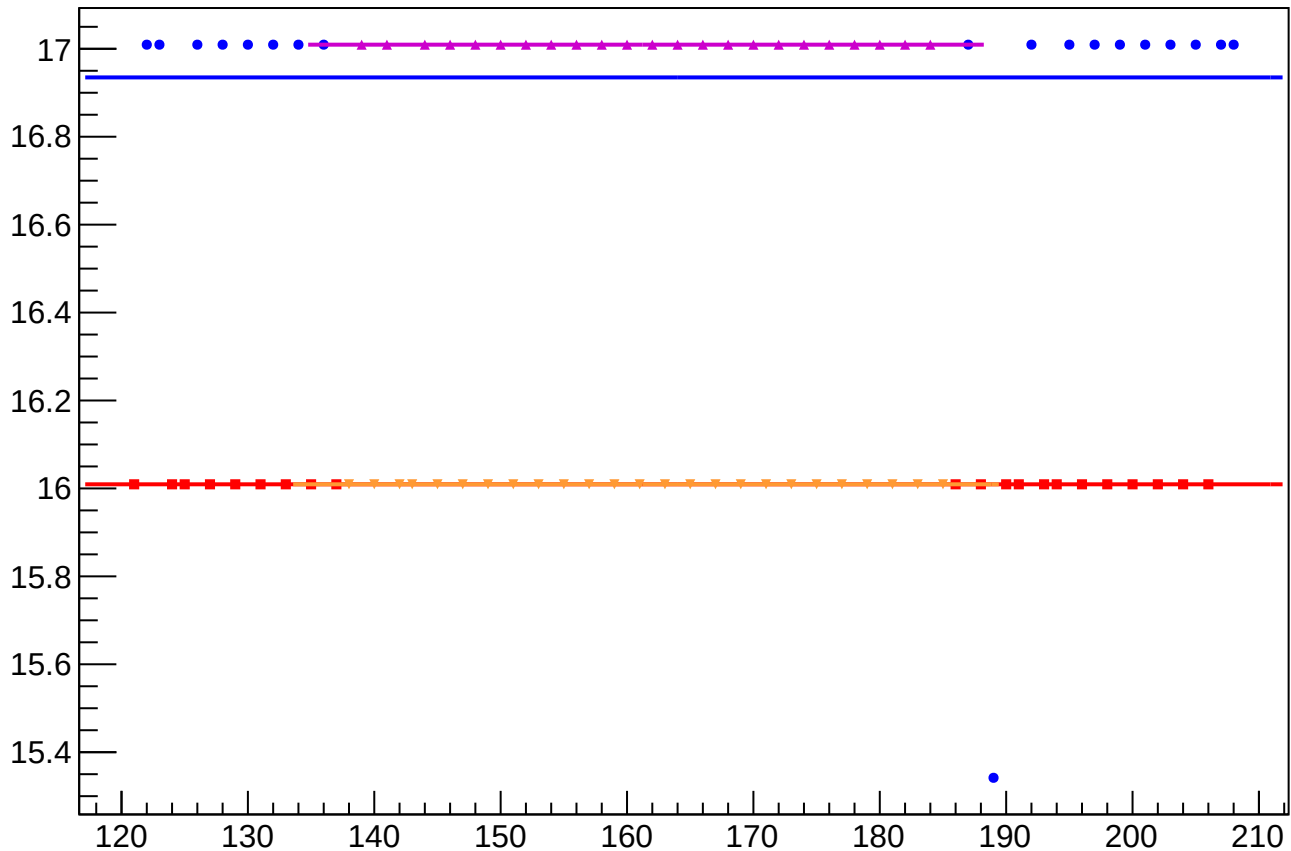
Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

+ sign 16.596+/-0.000 χ^2/NDF : 9067532191422225

All: 16.504+/-0.000 χ^2/NDF : 1631018660273

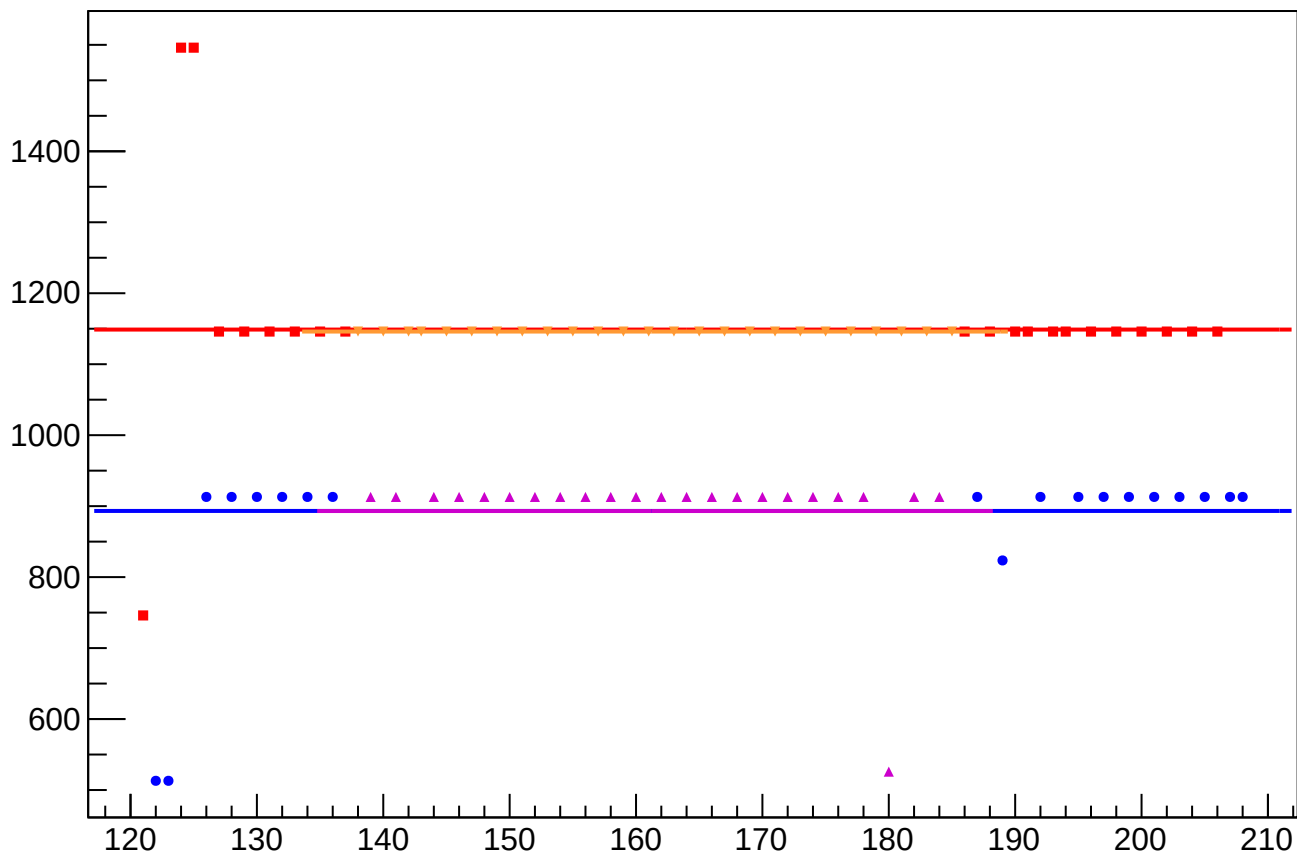
- sign 16.411+/-0.000 χ^2/NDF : 6756059063452190

IGL1I00OD16_16_mean vs Slug



Right In: 16.935+/-0.000 χ^2/NDF : 135488894634439819872184213438464.0/18
 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

RTPAPOSUCNT_mean vs Slug



Right In: 893.235+/-0.000 χ^2/NDF : 7162803620615259975947230001085022208.0/18

+ sign 1051.427+/-0.000 χ^2/NDF : 52828289602590

Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24

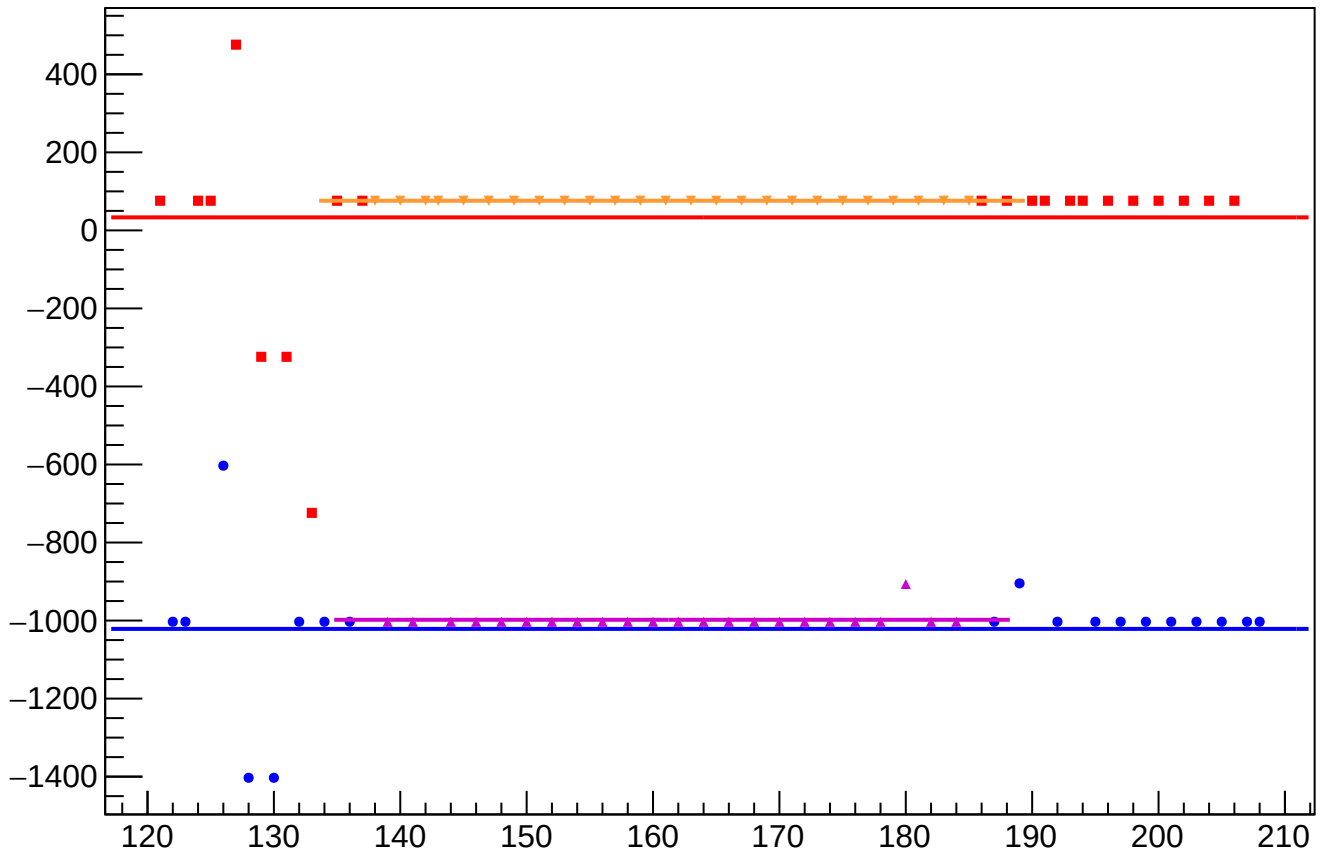
All: 1022.265+/-0.000 χ^2/NDF : 13093561433

Right Out: 1148.804+/-0.000 χ^2/NDF : 13751725725163020707524462697917710336.0/20

- sign 992.156+/-0.000 χ^2/NDF : 728321601924043

Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1021.365+/-0.000 χ^2/NDF : 23307181010837152201373985787760082944.0/18

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