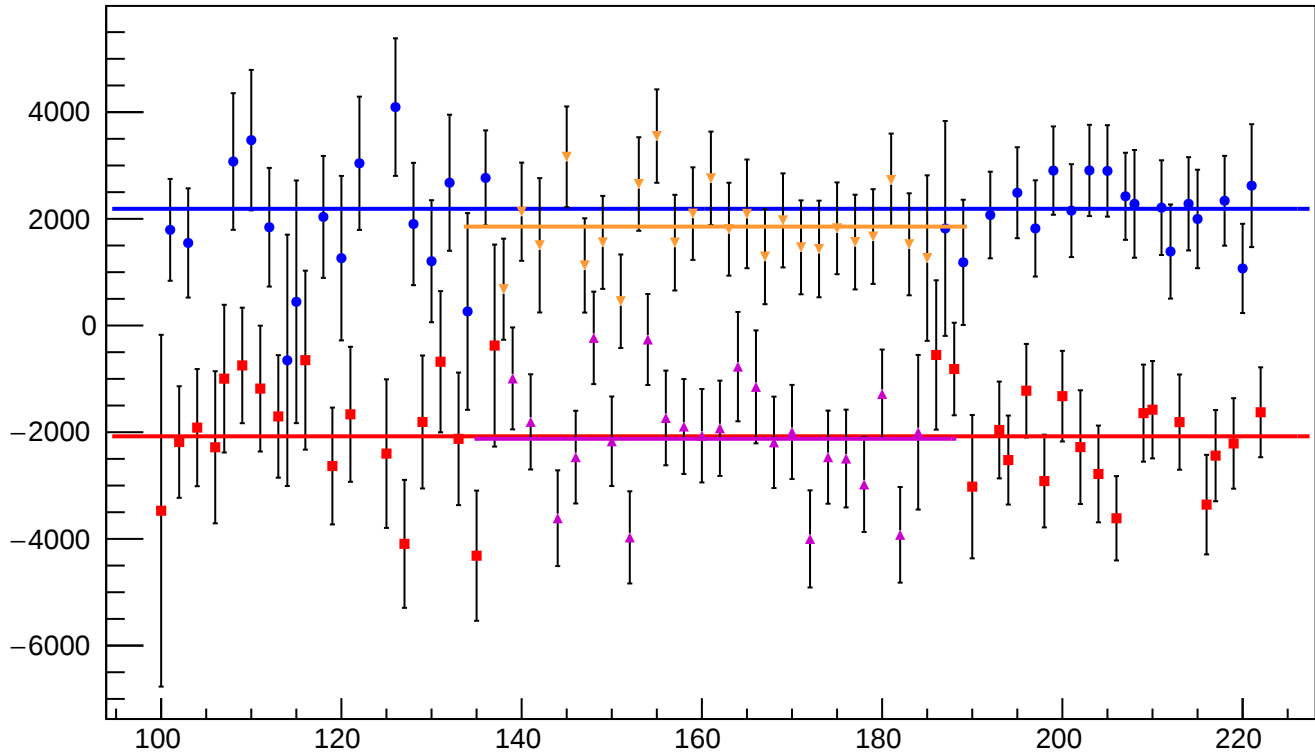


reg_asym_us_avg_mean vs Slug



Right In: 2188.058 $\pm$ 176.099

χ^2/NDF : 15.8/33

Left Out: 1854.267 $\pm$ 187.405

χ^2/NDF : 15.1/23

Right Out: -2076.918 $\pm$ 174.775

χ^2/NDF : 26.5/35

Left In: -2123.138 $\pm$ 188.684

χ^2/NDF : 32.0/22

+ sign 2031.535 $\pm$ 128.332

χ^2/NDF : 32.6/57

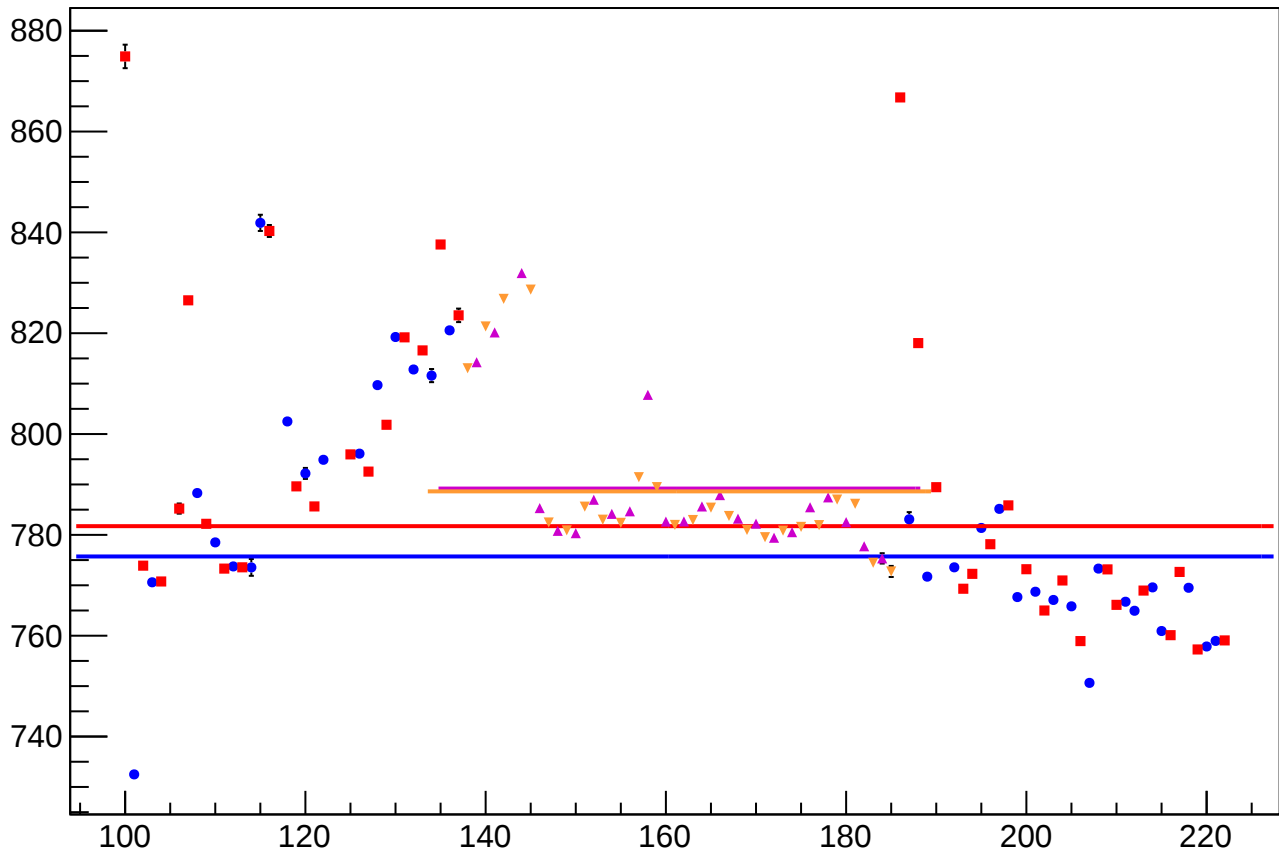
All: -35.158 $\pm$ 90.705

χ^2/NDF : 609.4/116

- sign -2098.262 $\pm$ 128.220

χ^2/NDF : 58.5/58

reg_asym_us_avg_rms vs Slug



Right In: 775.718 $\pm$ 0.125 χ^2 /NDF: 26137.3/33

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

Right Out: 781.729 $\pm$ 0.124 χ^2 /NDF: 35885.4/35

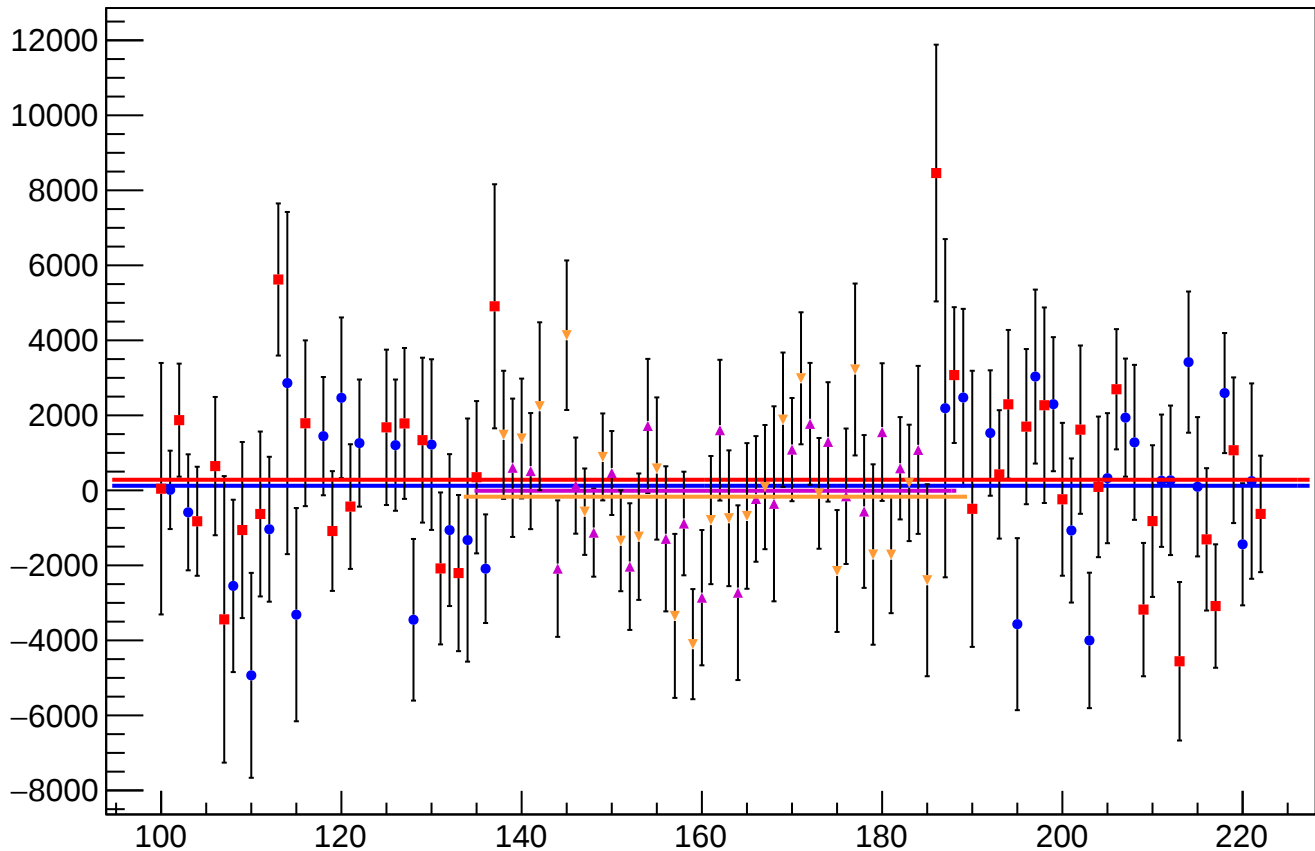
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 781.773 $\pm$ 0.091 χ^2 /NDF: 42656.6/57

All: 783.474 $\pm$ 0.064 χ^2 /NDF: 92268.2/116

- sign 785.172 $\pm$ 0.091 χ^2 /NDF: 48909.4/58

asym_us_avg_correction_mean vs Slug



Right In: 122.437 $\pm$ 324.472 χ^2 /NDF: 37.0/33

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

Right Out: 283.197 $\pm$ 331.148 χ^2 /NDF: 45.2/35

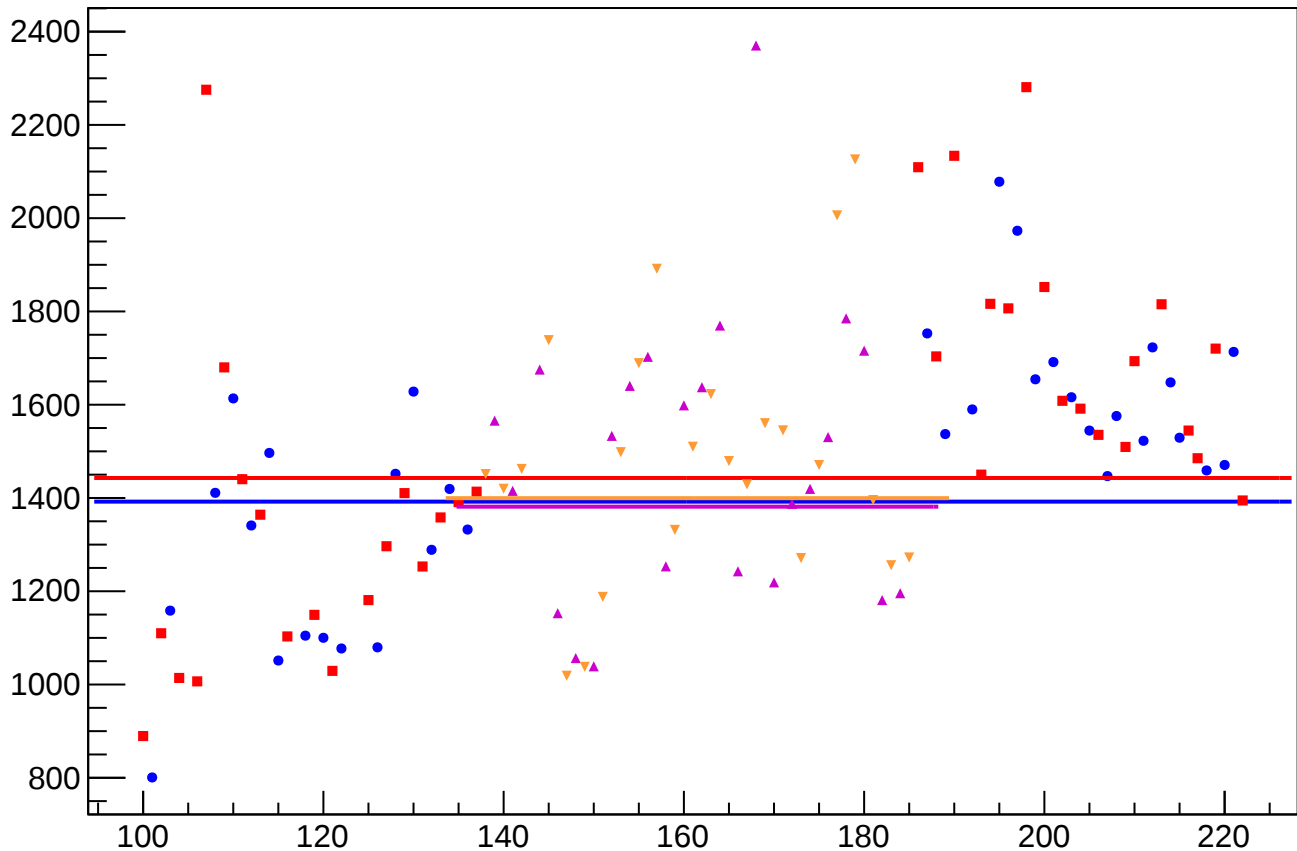
Left In: -10.093 $\pm$ 337.810 χ^2 /NDF:14.2/22

+ sign -16.390 $\pm$ 234.862 χ^2 /NDF: 67.4/57

All: 61.007 $\pm$ 166.641 χ^2 /NDF: 127.4/116

- sign 139.472 $\pm$ 236.477 χ^2 /NDF: 59.8/58

asym_us_avg_correction_rms vs Slug



Right In: 1392.187 $\pm$ 0.229 χ^2 /NDF: 1659733.9/33

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

Right Out: 1442.893 $\pm$ 0.234 χ^2 /NDF: 1643961.1/35

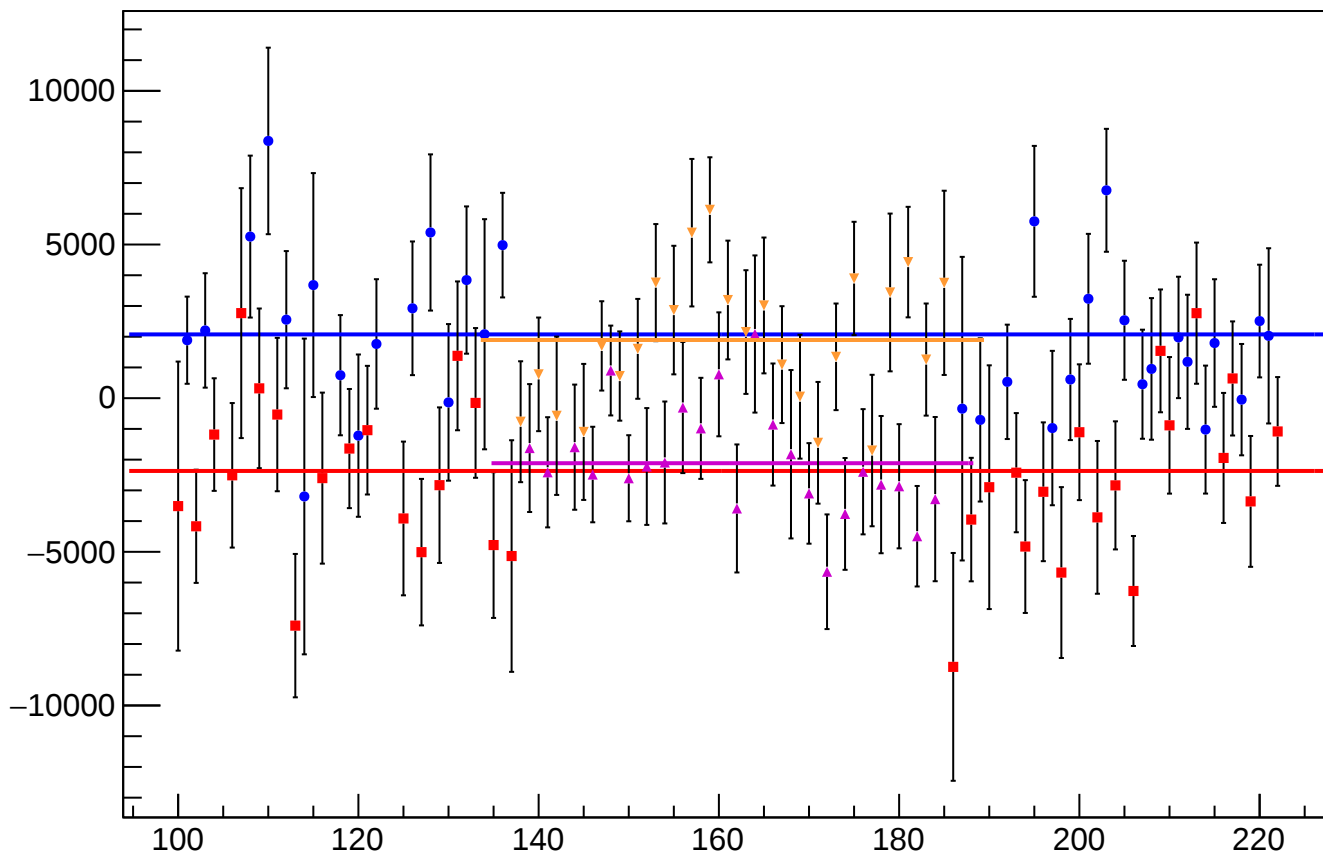
Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF:1276488.2/22

+ sign 1395.710 $\pm$ 0.166 χ^2 /NDF: 2779354.1/57

All: 1404.166 $\pm$ 0.118 χ^2 /NDF: 5738865.7/11

- sign 1412.738 $\pm$ 0.167 χ^2 /NDF: 2954290.8/58

asym_us_avg_mean vs Slug



Right In: 2075.185 $\pm$ 376.711 χ^2 /NDF: 32.2/33

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

Right Out: -2368.256 $\pm$ 381.558 χ^2 /NDF: 40.9/35

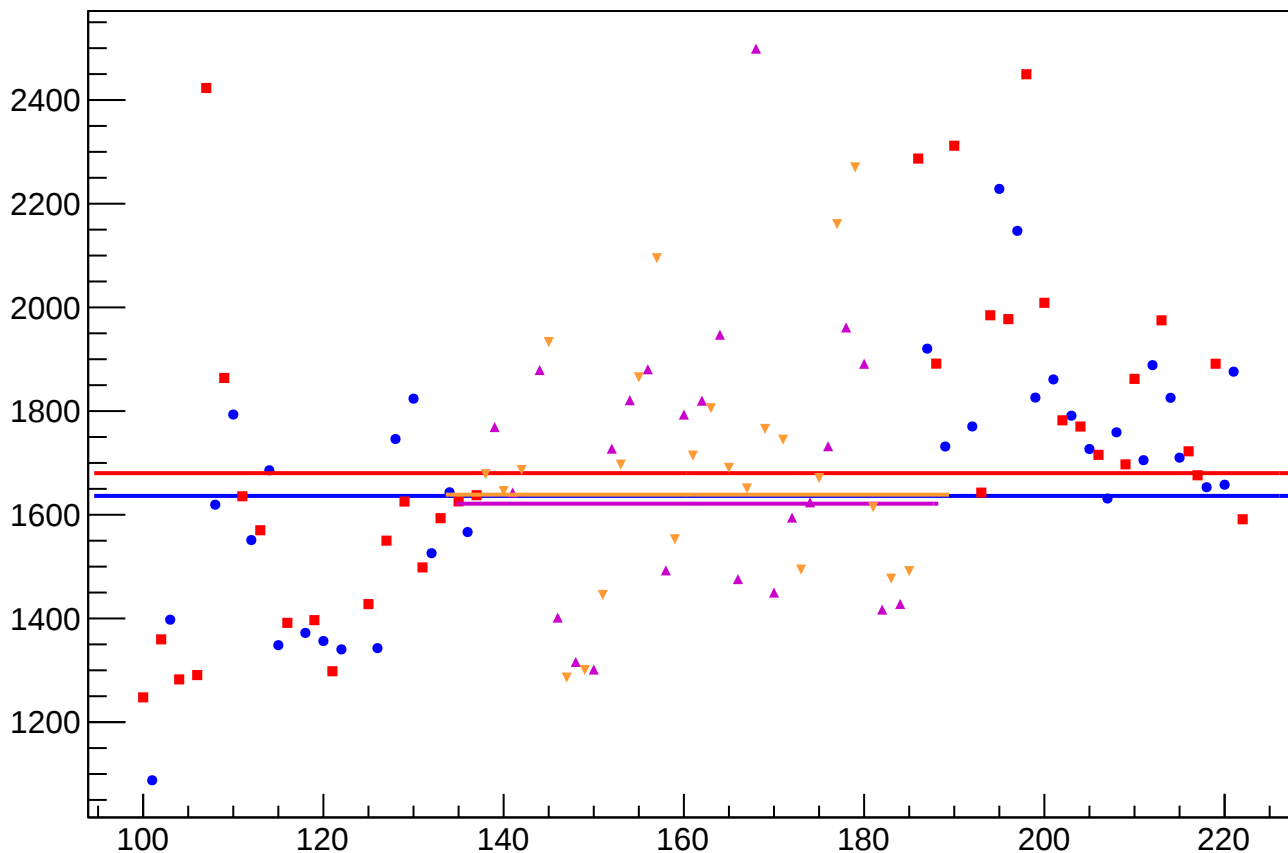
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1988.603 $\pm$ 272.571 χ^2 /NDF: 58.3/57

All: -119.460 $\pm$ 193.155 χ^2 /NDF: 238.3/116

- sign -2245.908 $\pm$ 273.757 χ^2 /NDF: 59.9/58

asym_us_avg_rms vs Slug



Right In: 1636.406 $\pm$ 0.266 χ^2 /NDF: 854766.2/33

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

Right Out: 1680.308 $\pm$ 0.270 χ^2 /NDF: 960619.4/35

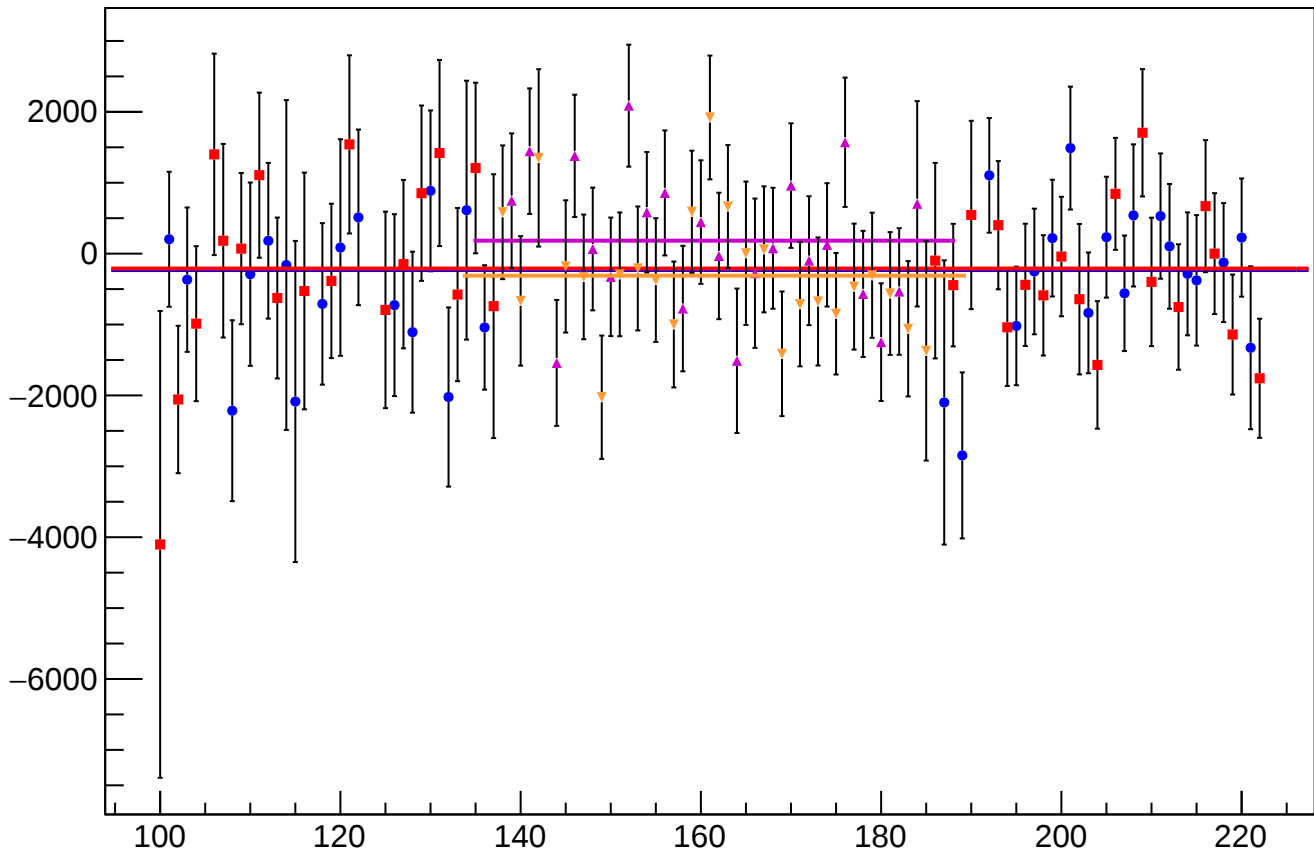
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1637.549 $\pm$ 0.193 χ^2 /NDF: 1526711.6/57

All: 1644.610 $\pm$ 0.137 χ^2 /NDF: 3288455.0/11

- sign 1651.732 $\pm$ 0.194 χ^2 /NDF: 1759047.8/58

reg_asym_us_dd_mean vs Slug



Right In: -231.344 ± 174.890 χ^2/NDF : 26.2/33

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

Right Out: -210.264 ± 173.318 χ^2/NDF : 30.9/35

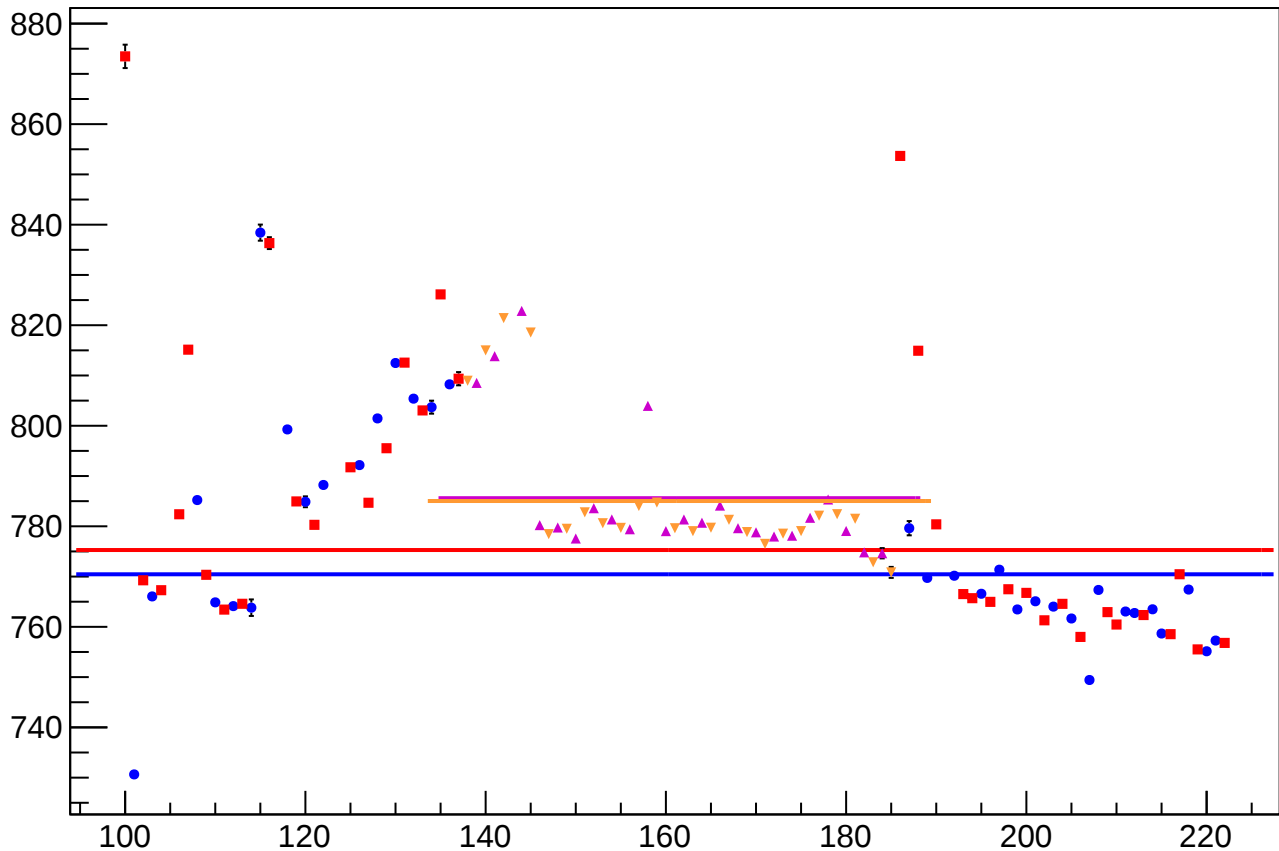
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -268.403 ± 127.585 χ^2/NDF : 46.4/57

All: -148.724 ± 90.141 χ^2/NDF : 107.5/116

- sign -29.444 ± 127.372 χ^2/NDF : 59.4/58

reg_asym_us_dd_rms vs Slug



Right In: 770.454 $\pm$ 0.124 χ^2 /NDF: 22005.7/33

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

Right Out: 775.280 $\pm$ 0.123 χ^2 /NDF: 32343.7/35

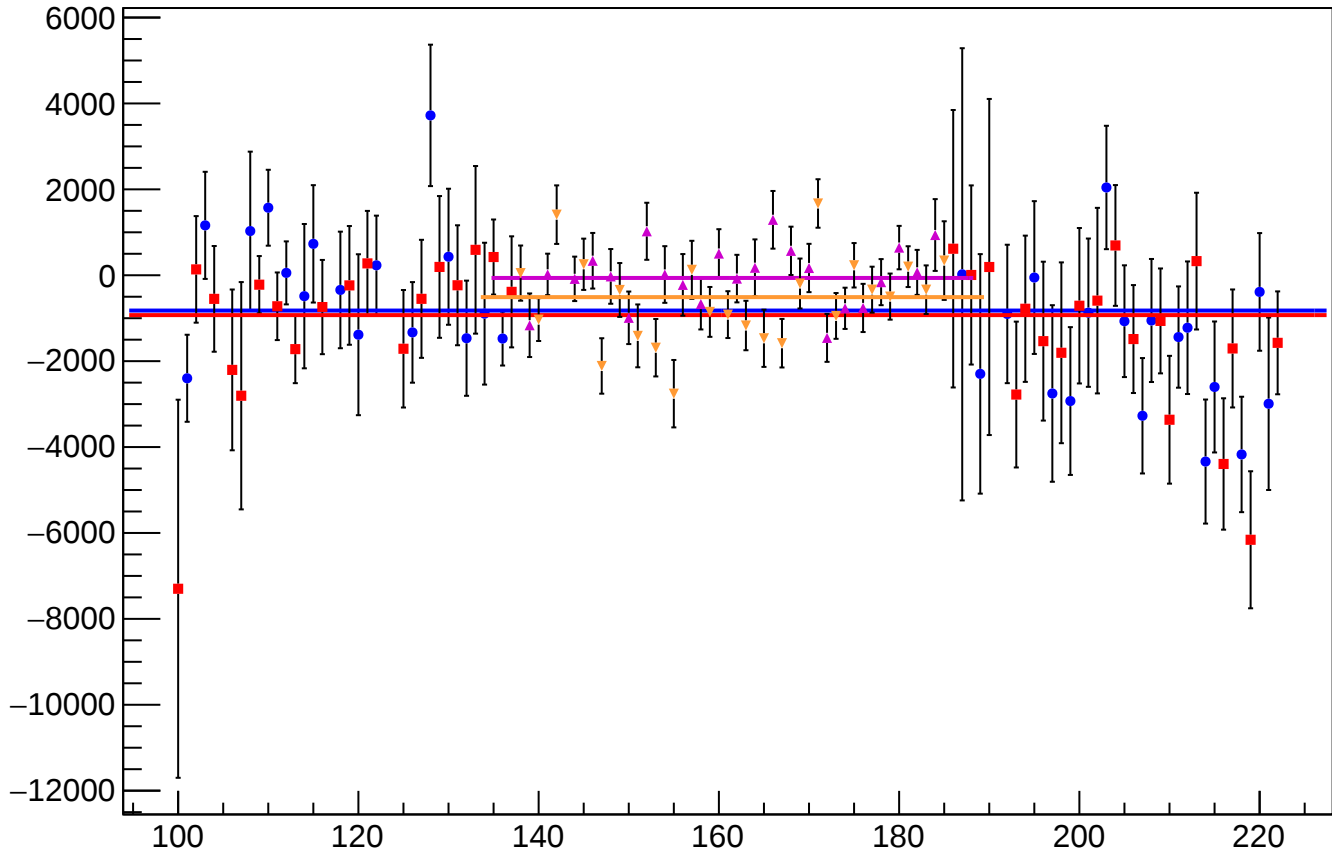
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF: 9373.7/22

+ sign 777.273 $\pm$ 0.090 χ^2 /NDF: 37873.6/57

All: 778.650 $\pm$ 0.064 χ^2 /NDF: 83312.3/116

- sign 780.023 $\pm$ 0.090 χ^2 /NDF: 44973.3/58

asym_us_dd_correction_mean vs Slug



Right In: -821.858 ± 225.040 χ^2/NDF : 52.2/33

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

Right Out: -928.010 ± 222.438 χ^2/NDF : 35.0/35

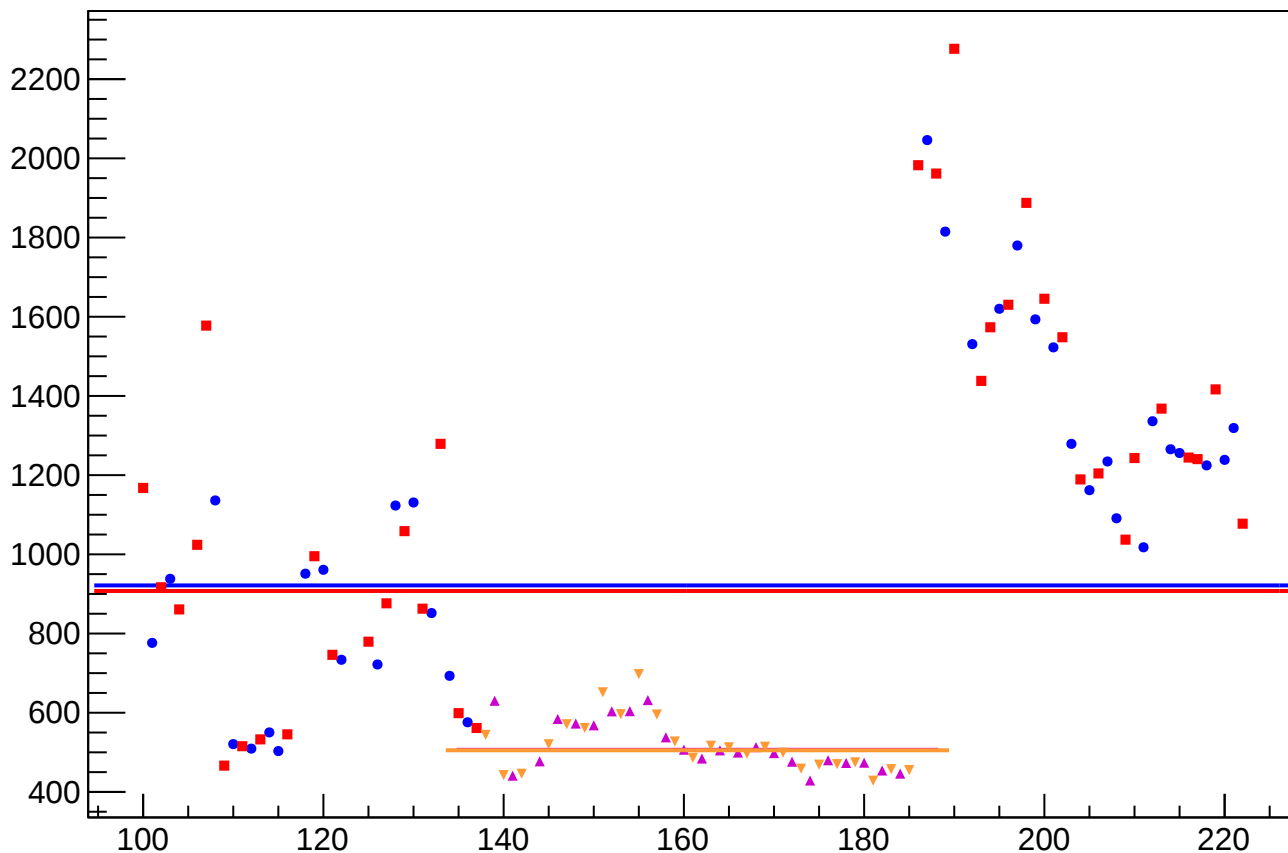
Left In: -62.768 ± 122.045 χ^2/NDF : 28.8/22

+ sign -579.575 ± 106.702 χ^2/NDF : 114.2/57

All: -421.713 ± 75.554 χ^2/NDF : 194.0/116

- sign -262.972 ± 106.998 χ^2/NDF : 75.4/58

asym_us_dd_correction_rms vs Slug



Right In: 921.503+/-0.159 χ^2/NDF : 4994150.8/33

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

Right Out: 907.509+/-0.157 χ^2/NDF : 6397065.8/35

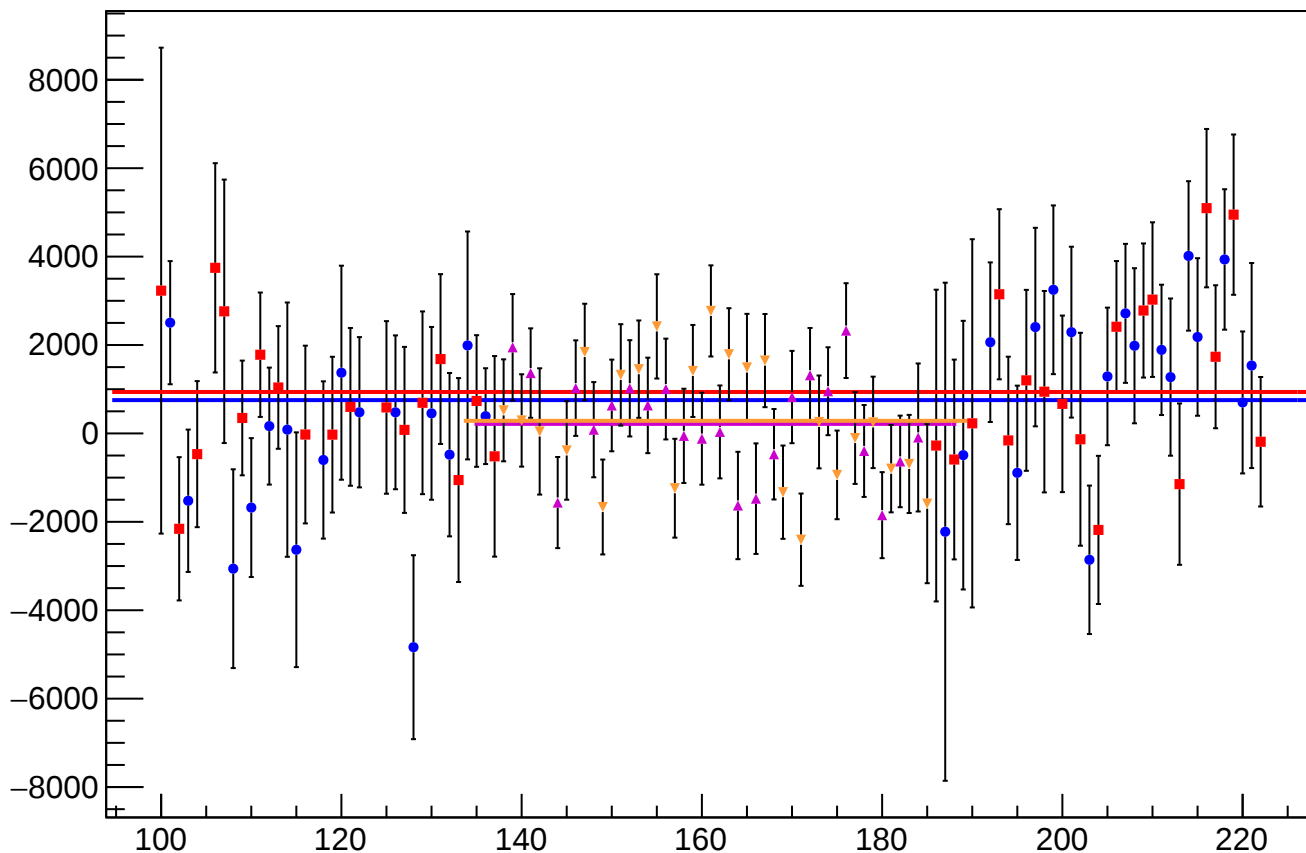
Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

+ sign 598.806+/-0.075 χ^2/NDF : 10784838.5/57

All: 599.000+/-0.053 χ^2/NDF : 22617289.6/111

- sign 599.195+/-0.076 χ^2/NDF : 11832437.9/58

asym_us_dd_mean vs Slug



Right In: 753.624 ± 306.559 χ^2/NDF : 40.0/33

Left Out: 285.144 ± 224.378 χ^2/NDF : 38.3/23

Right Out: 937.721 ± 308.173 χ^2/NDF : 31.3/35

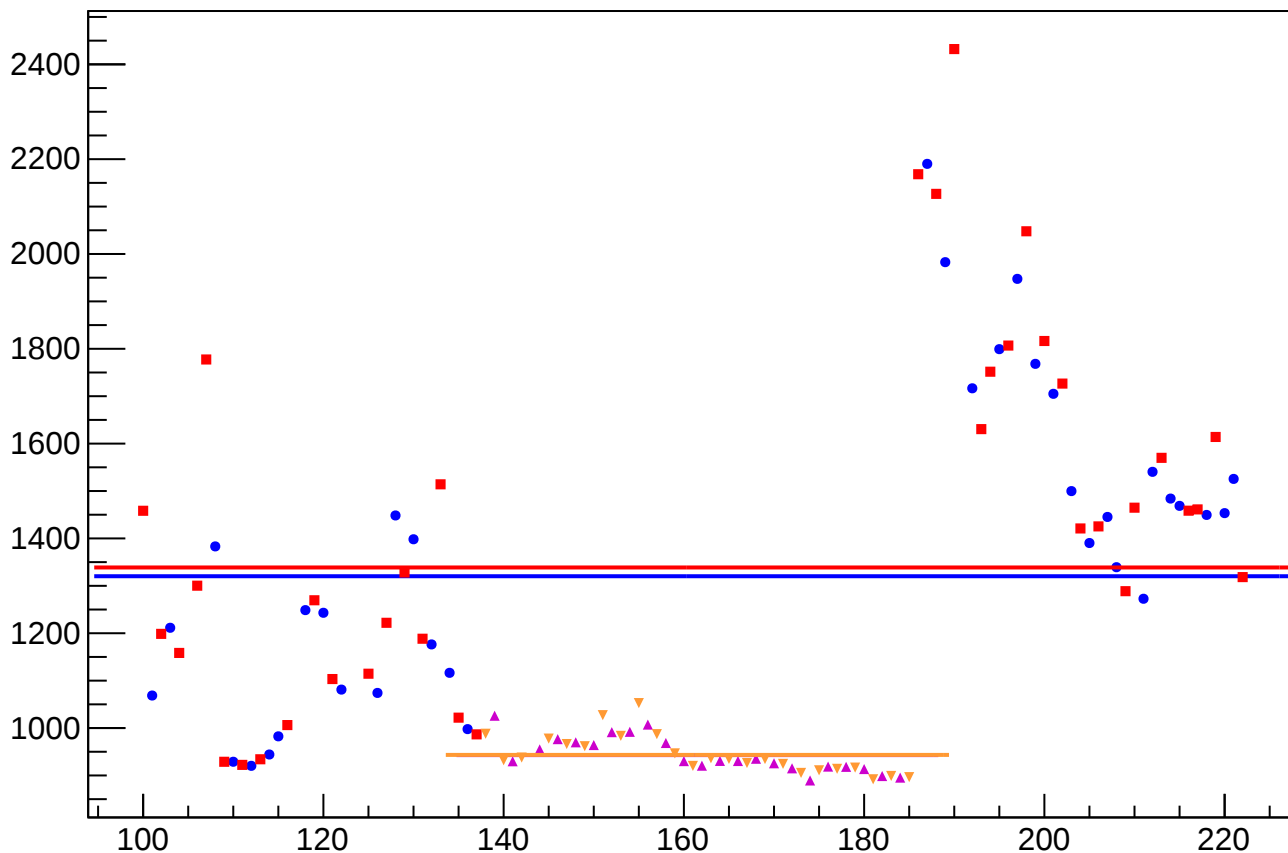
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 448.567 ± 181.061 χ^2/NDF : 79.8/57

All: 458.182 ± 128.373 χ^2/NDF : 139.1/116

- sign 467.901 ± 182.036 χ^2/NDF : 59.3/58

asym_us_dd_rms vs Slug



Right In: 1320.247+/-0.217 χ^2/NDF : 1597258.8/33

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

Right Out: 1338.729+/-0.218 χ^2/NDF : 2138386.5/35

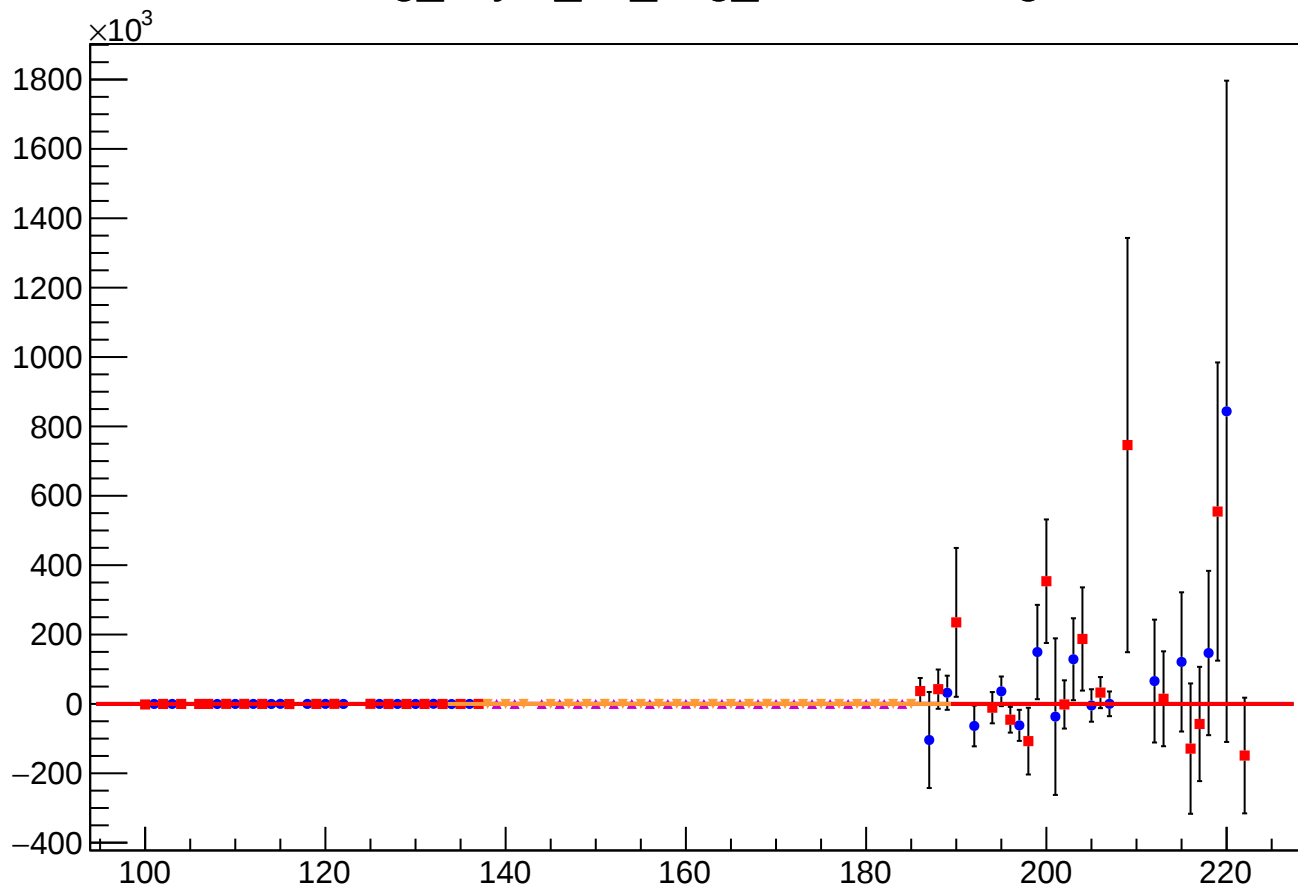
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1074.826+/-0.128 χ^2/NDF : 3626130.4/57

All: 1077.911+/-0.091 χ^2/NDF : 7962080.6/11

- sign 1081.030+/-0.129 χ^2/NDF : 4334782.4/58

reg_asym_ds_avg_mean vs Slug



Right In: -15.549 ± 30.032 χ^2/NDF : 24.9/29

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

Right Out: -31.731 ± 30.492 χ^2/NDF : 33.0/33

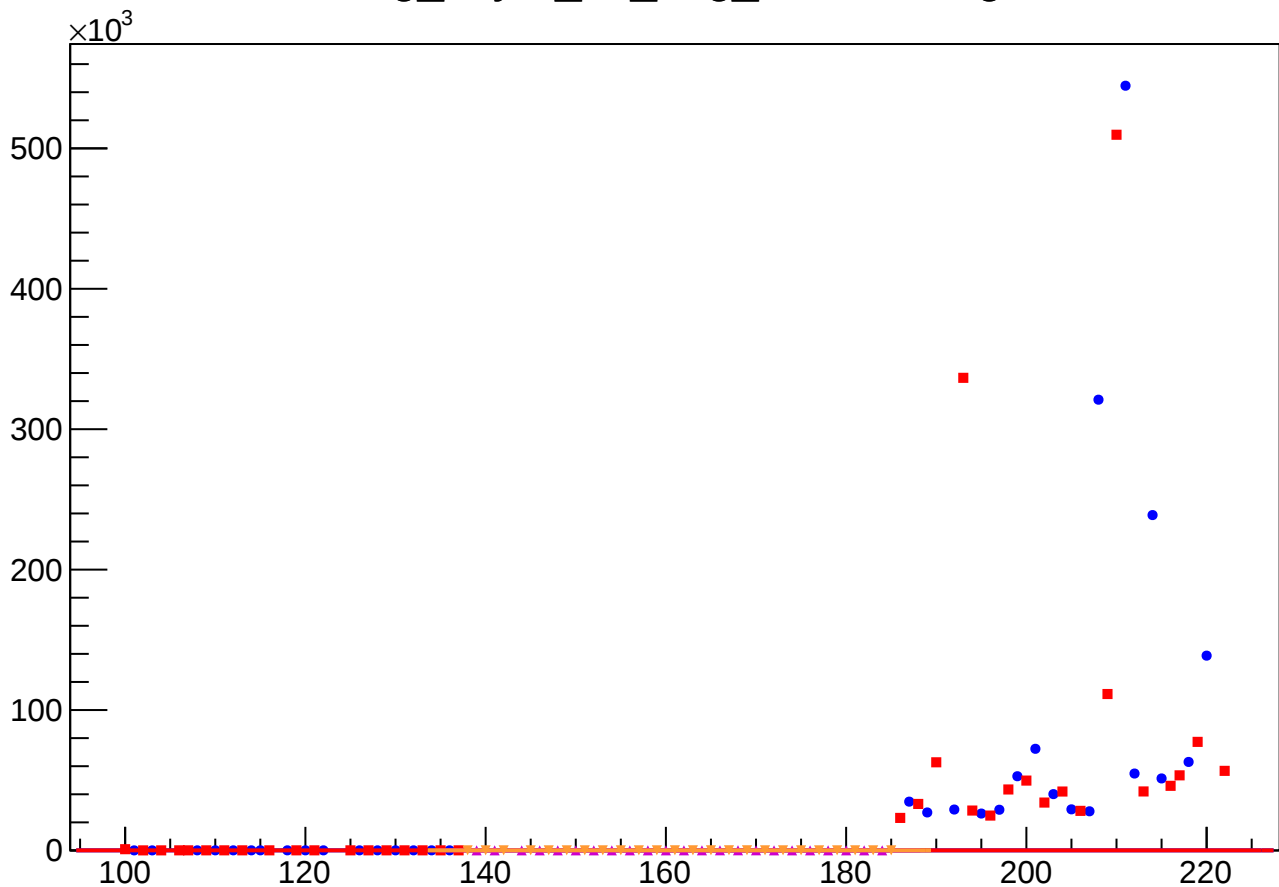
Left In: 22.931 ± 21.584 χ^2/NDF : 22.5/22

+ sign -2.803 ± 17.464 χ^2/NDF : 47.6/53

All: 0.908 ± 12.403 χ^2/NDF : 105.3/110

- sign 4.684 ± 17.617 χ^2/NDF : 57.7/56

reg_asym_ds_avg_rms vs Slug



Right In: 76.143 $\pm$ 0.021 χ^2 /NDF: 6985508.9/32

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

Right Out: 79.464 $\pm$ 0.022 χ^2 /NDF: 6893948.9/35

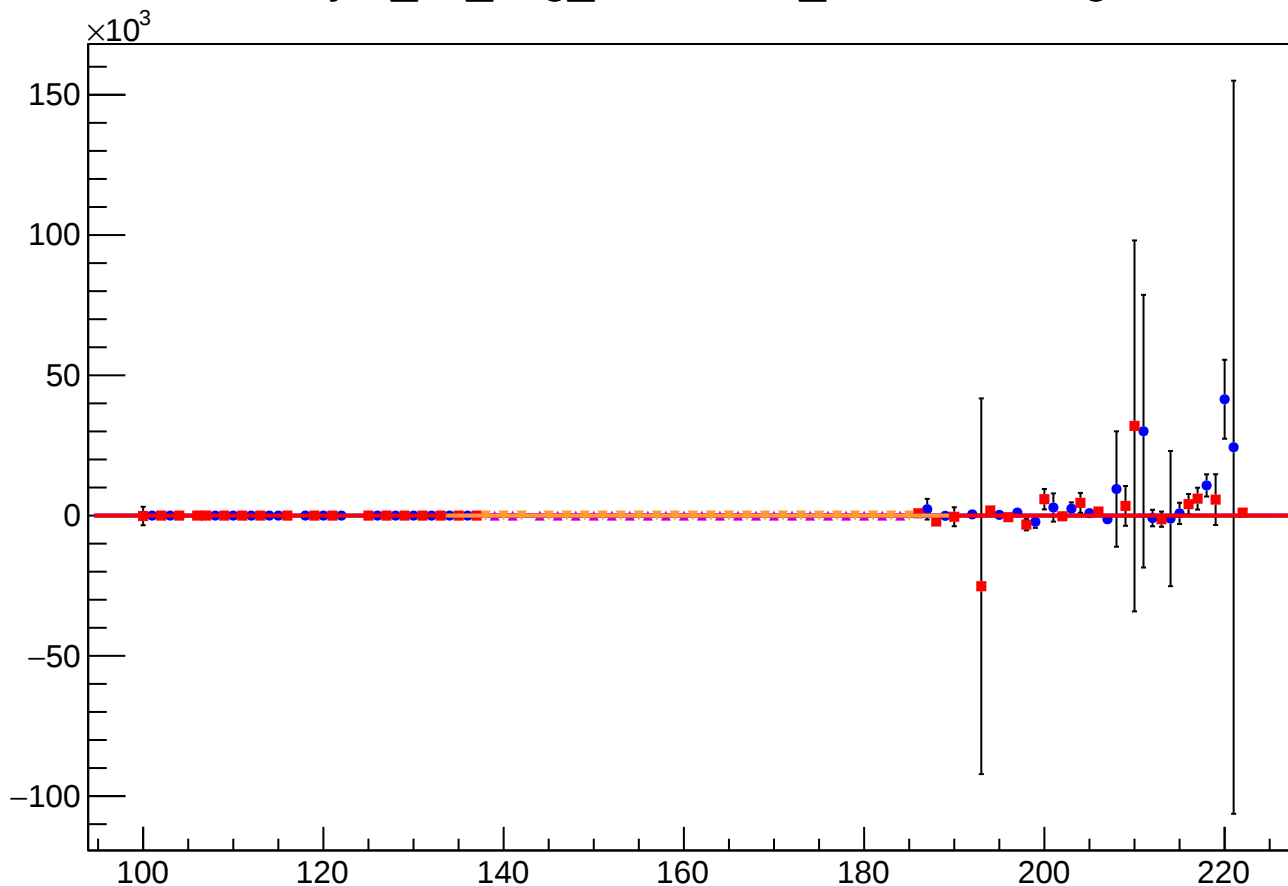
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF:508511.1/22

+ sign 85.110 $\pm$ 0.012 χ^2 /NDF: 7721195.7/56

All: 85.657 $\pm$ 0.009 χ^2 /NDF: 15274715.0/115

- sign 86.213 $\pm$ 0.012 χ^2 /NDF: 7549565.4/58

asym_ds_avg_correction_mean vs Slug



Right In: -0.289 ± 0.502 $\chi^2/\text{NDF}: 47.7/33$

Left Out: 0.126 ± 0.377 $\chi^2/\text{NDF}: 21.3/23$

Right Out: -0.038 ± 0.525 $\chi^2/\text{NDF}: 34.4/35$

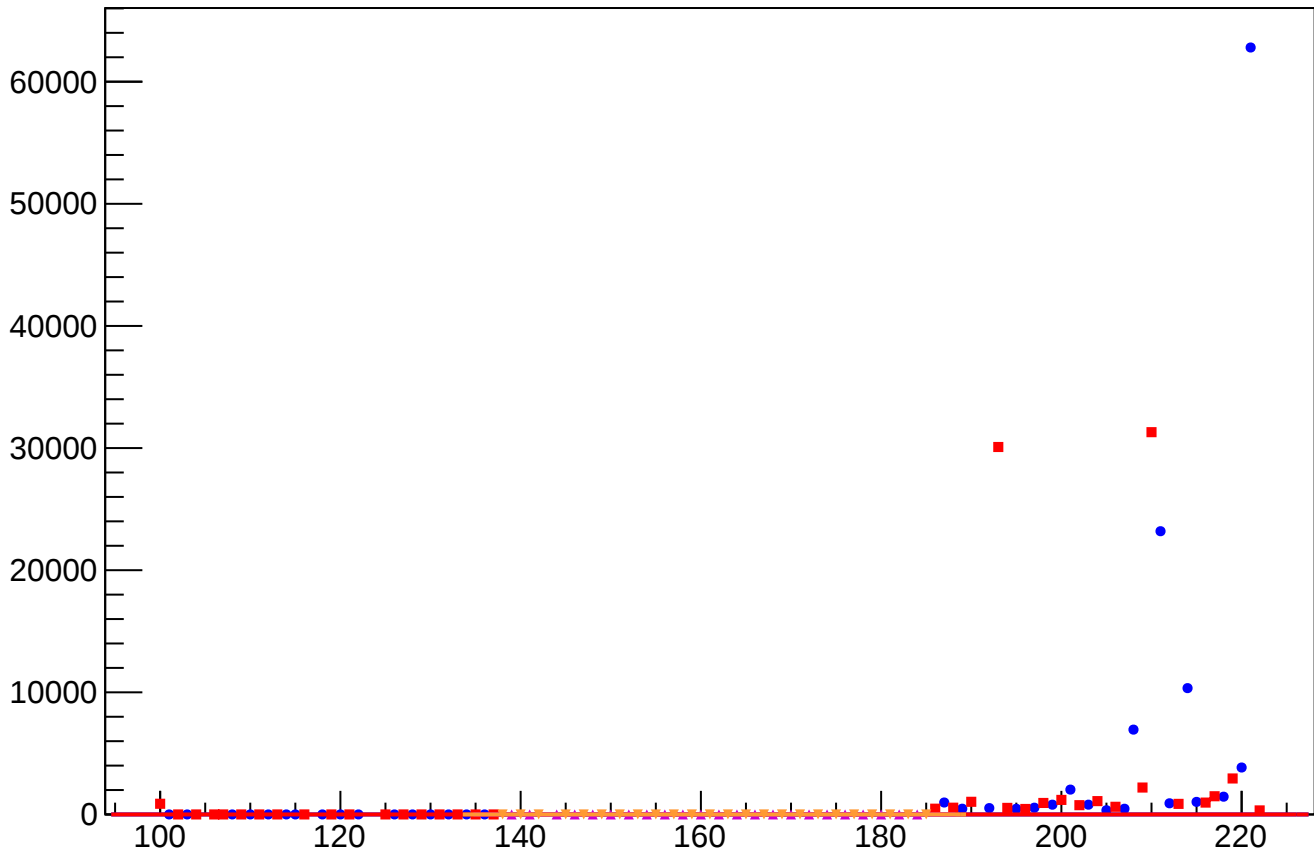
Left In: 0.519 ± 0.387 $\chi^2/\text{NDF}: 26.3/22$

+ sign -0.024 ± 0.301 $\chi^2/\text{NDF}: 69.5/57$

All: 0.144 ± 0.217 $\chi^2/\text{NDF}: 131.6/116$

- sign 0.323 ± 0.312 $\chi^2/\text{NDF}: 61.5/58$

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 7634159.4/33

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

Right Out: 1.260+/-0.000 χ^2/NDF : 7586245.7/35

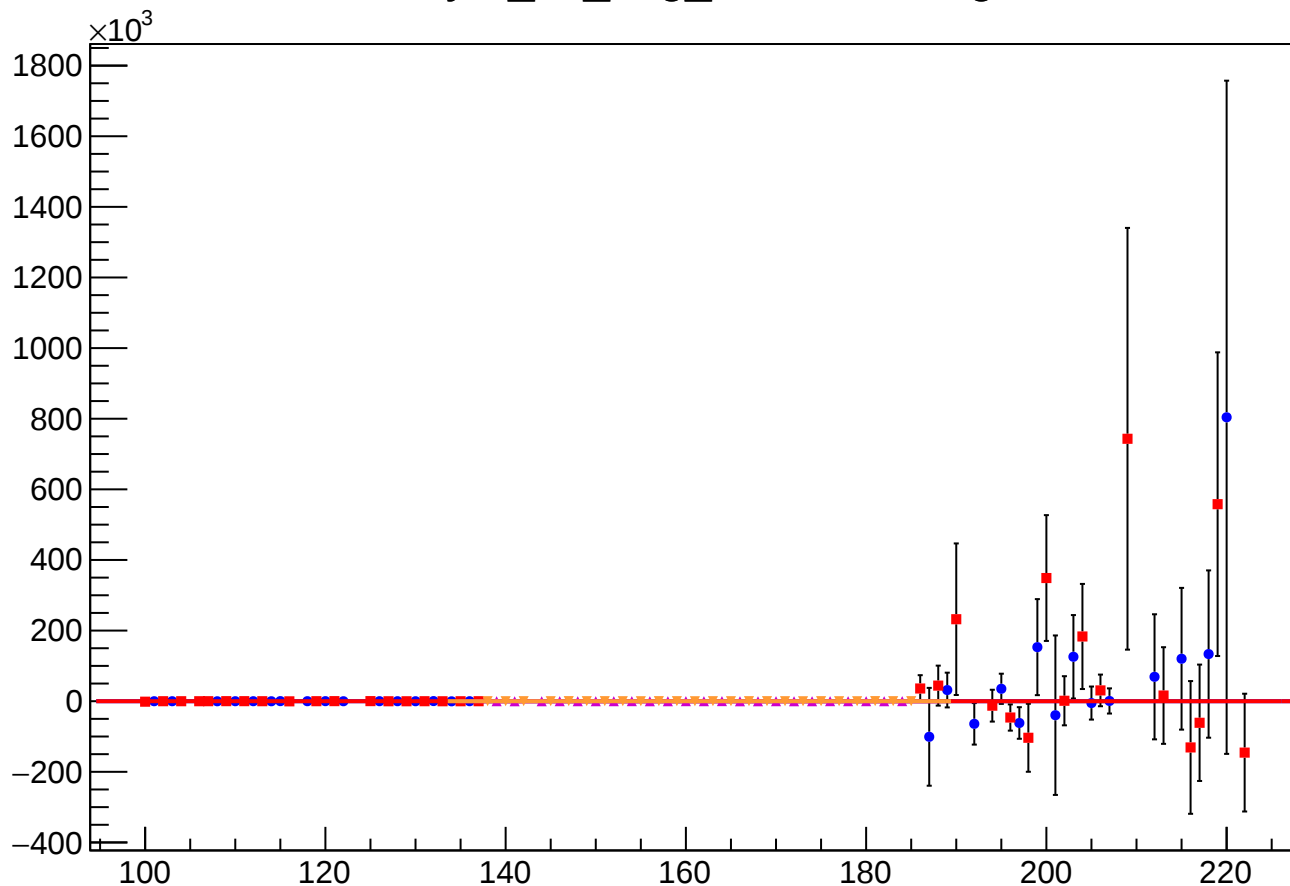
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 8952181.1/57

All: 1.350+/-0.000 χ^2/NDF : 17759752.6/116

- sign 1.385+/-0.000 χ^2/NDF : 8756927.1/58

asym_ds_avg_mean vs Slug



Right In: -14.487 ± 30.040 χ^2/NDF : 24.9/29

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

Right Out: -32.012 ± 30.500 χ^2/NDF : 32.7/33

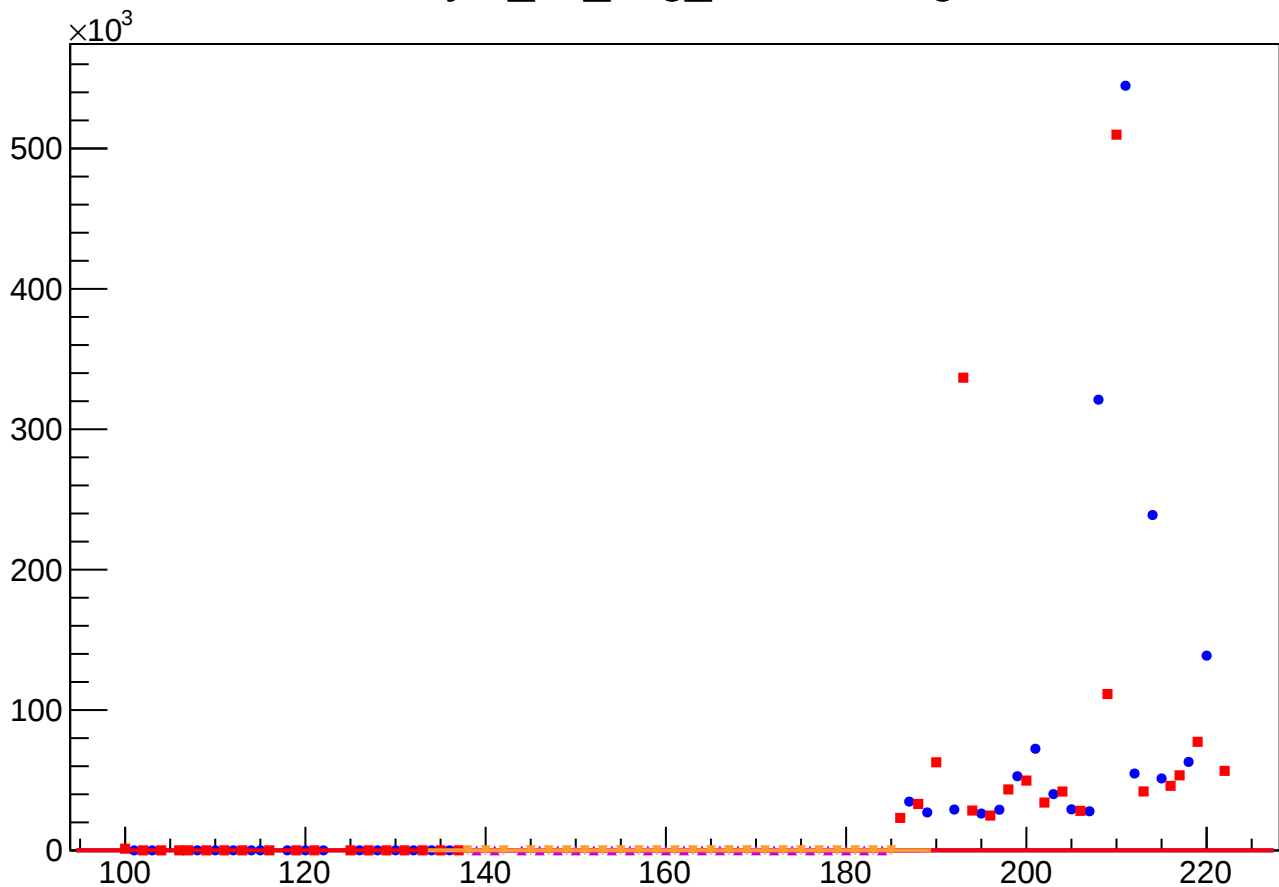
Left In: 22.446 ± 21.591 χ^2/NDF : 22.3/22

+ sign -2.585 ± 17.470 χ^2/NDF : 47.3/53

All: 0.811 ± 12.407 χ^2/NDF : 104.5/110

- sign 4.266 ± 17.623 χ^2/NDF : 57.2/56

asym_ds_avg_rms vs Slug



Right In: 76.163 $\pm$ 0.021 χ^2 /NDF: 6985637.0/32

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

Right Out: 79.467 $\pm$ 0.022 χ^2 /NDF: 6900562.1/35

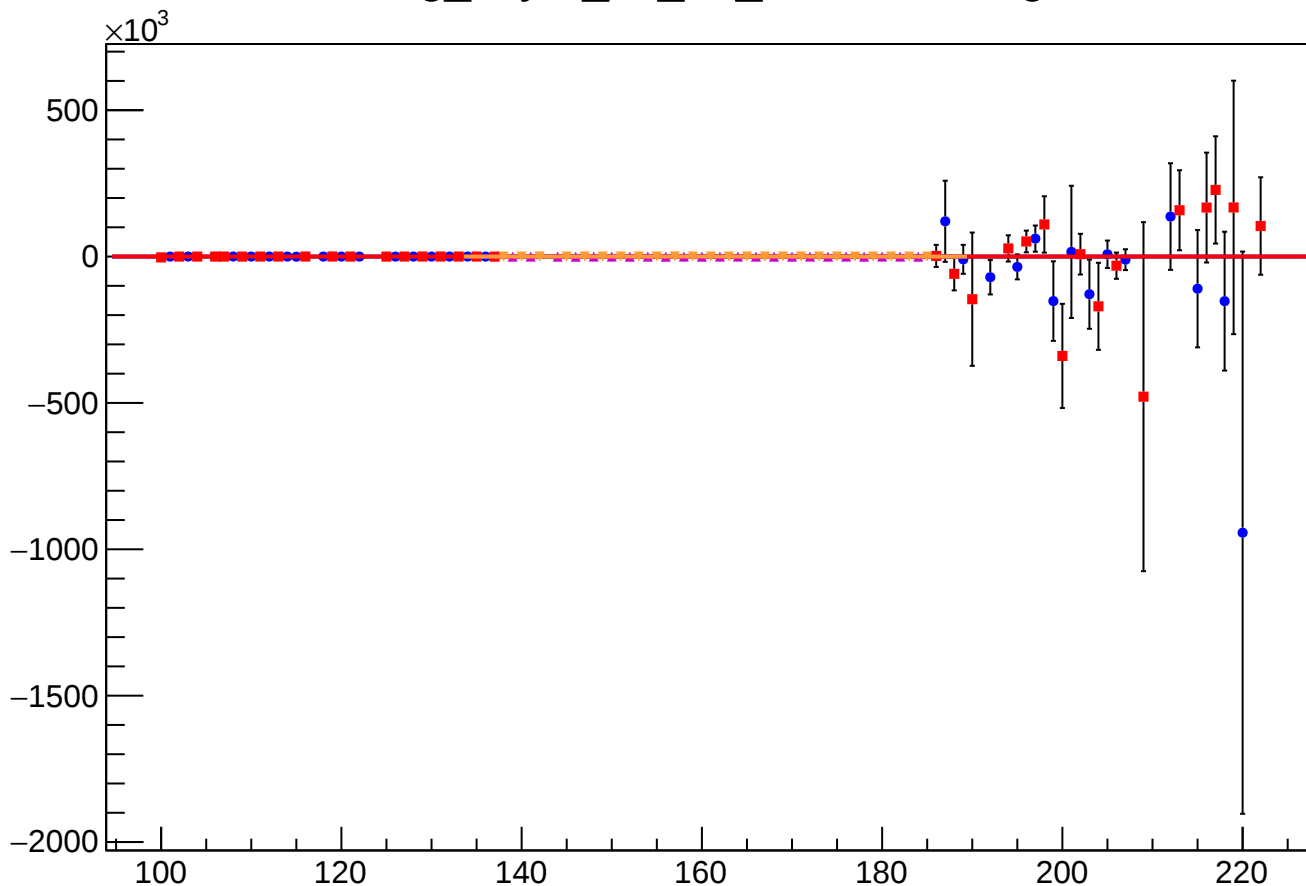
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF:509391.8/22

+ sign 85.134 $\pm$ 0.012 χ^2 /NDF: 7722193.4/56

All: 85.678 $\pm$ 0.009 χ^2 /NDF: 15283756.0/115

- sign 86.232 $\pm$ 0.012 χ^2 /NDF: 7557649.4/58

reg_asym_ds_dd_mean vs Slug



Right In: 8.086 ± 30.012 χ^2/NDF : 23.6/29

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

Right Out: 25.806 ± 30.473 χ^2/NDF : 28.2/33

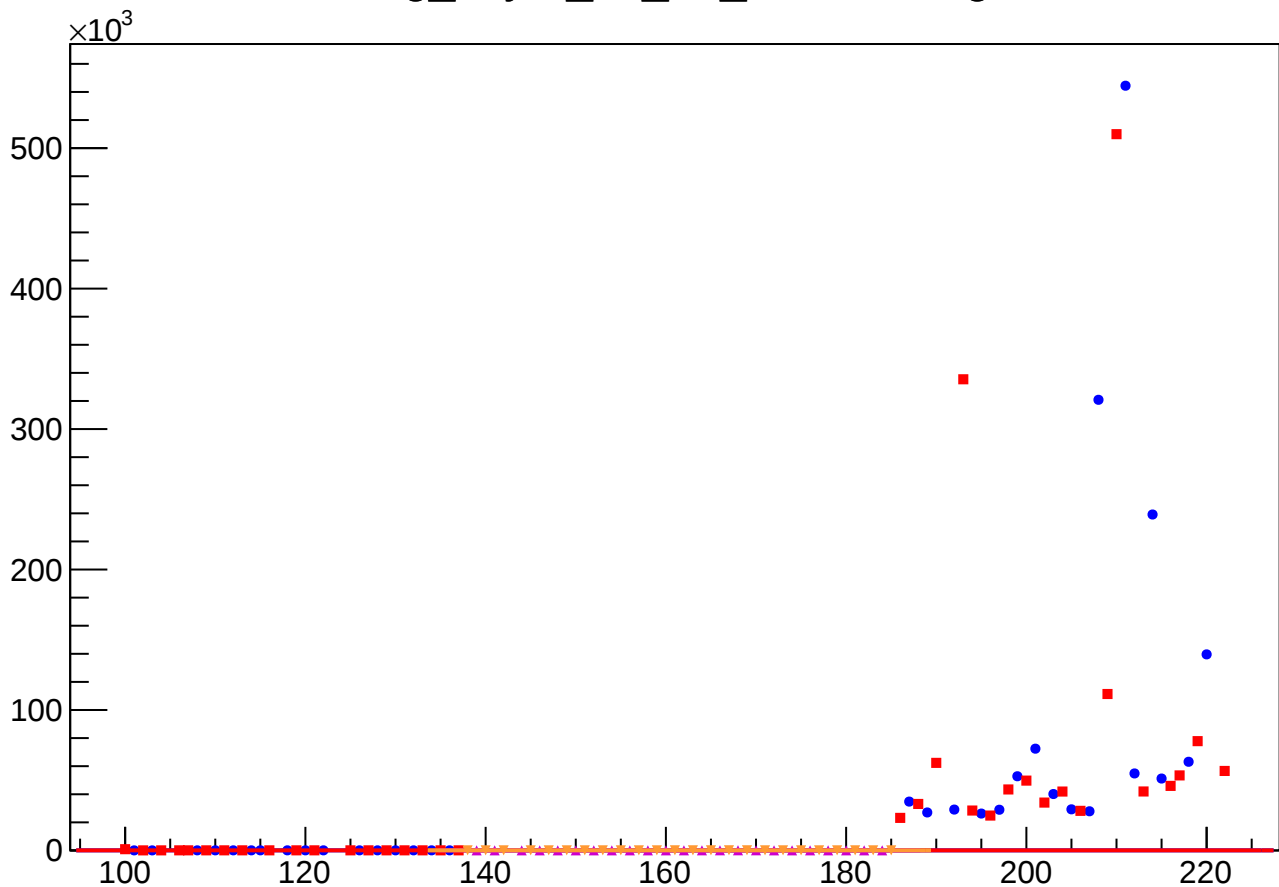
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.840 ± 17.463 χ^2/NDF : 40.8/53

All: -3.574 ± 12.403 χ^2/NDF : 105.7/110

- sign -20.282 ± 17.618 χ^2/NDF : 63.1/56

reg_asym_ds_dd_rms vs Slug



Right In: 76.094 $\pm$ 0.021 χ^2 /NDF: 6985314.9/32

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

Right Out: 79.415 $\pm$ 0.022 χ^2 /NDF: 6893120.3/35

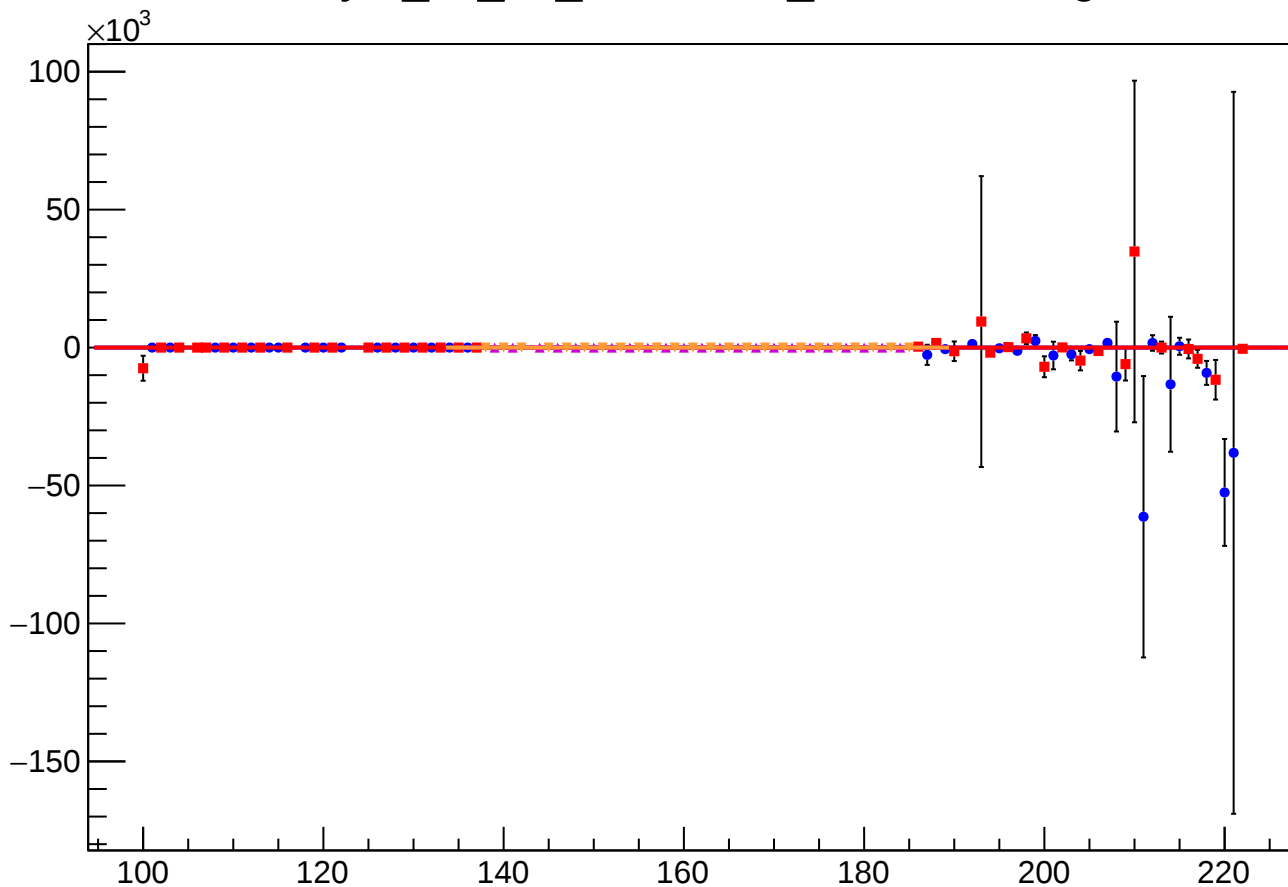
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.101 $\pm$ 0.012 χ^2 /NDF: 7722774.7/56

All: 85.653 $\pm$ 0.009 χ^2 /NDF: 15280501.6/115

- sign 86.214 $\pm$ 0.012 χ^2 /NDF: 7553704.8/58

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 39.7/33

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

Right Out: -0.348 ± 0.549 χ^2/NDF : 36.5/35

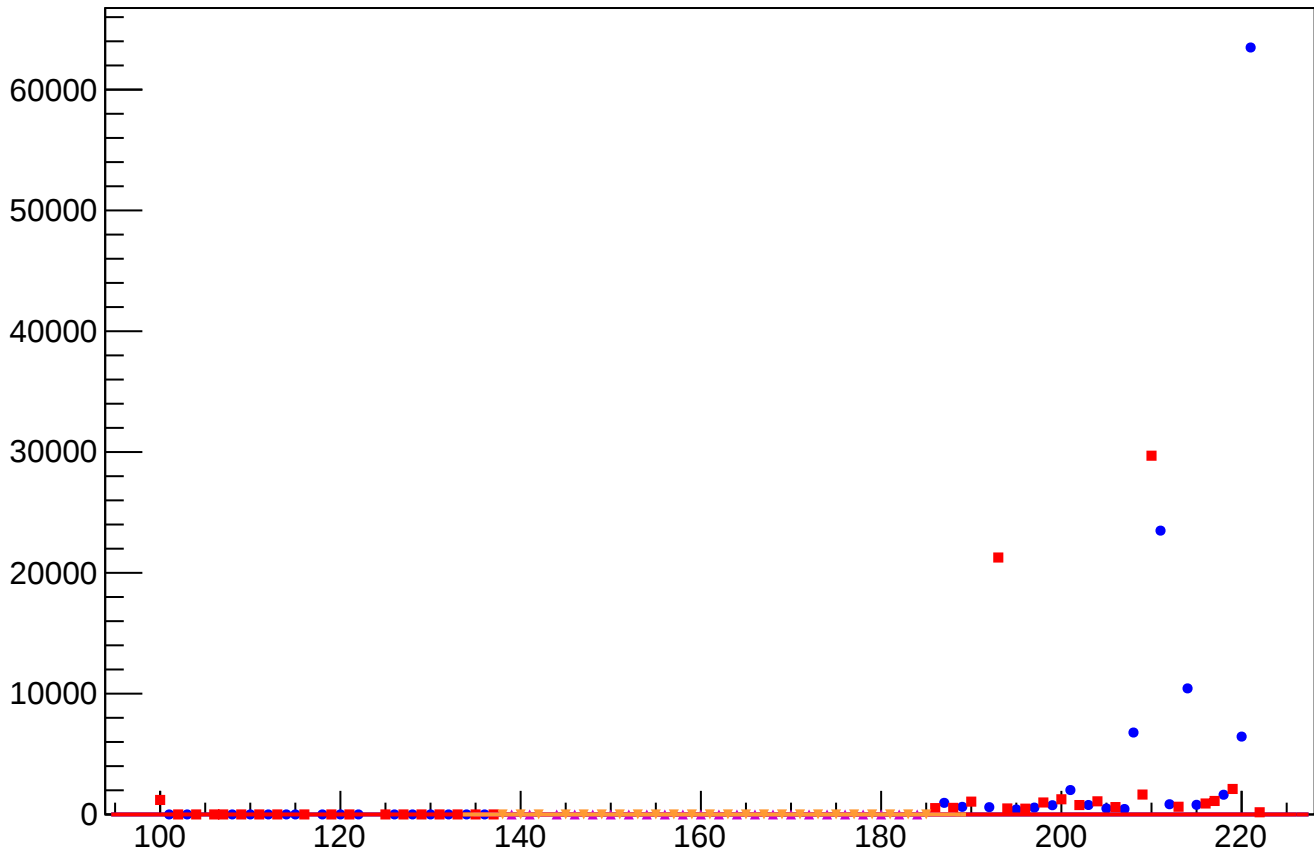
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 65.0/57

All: -0.045 ± 0.224 χ^2/NDF : 122.3/116

- sign -0.070 ± 0.318 χ^2/NDF : 57.2/58

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 7951335.6/33

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

Right Out: 1.317+/-0.000 χ^2/NDF : 7343477.0/35

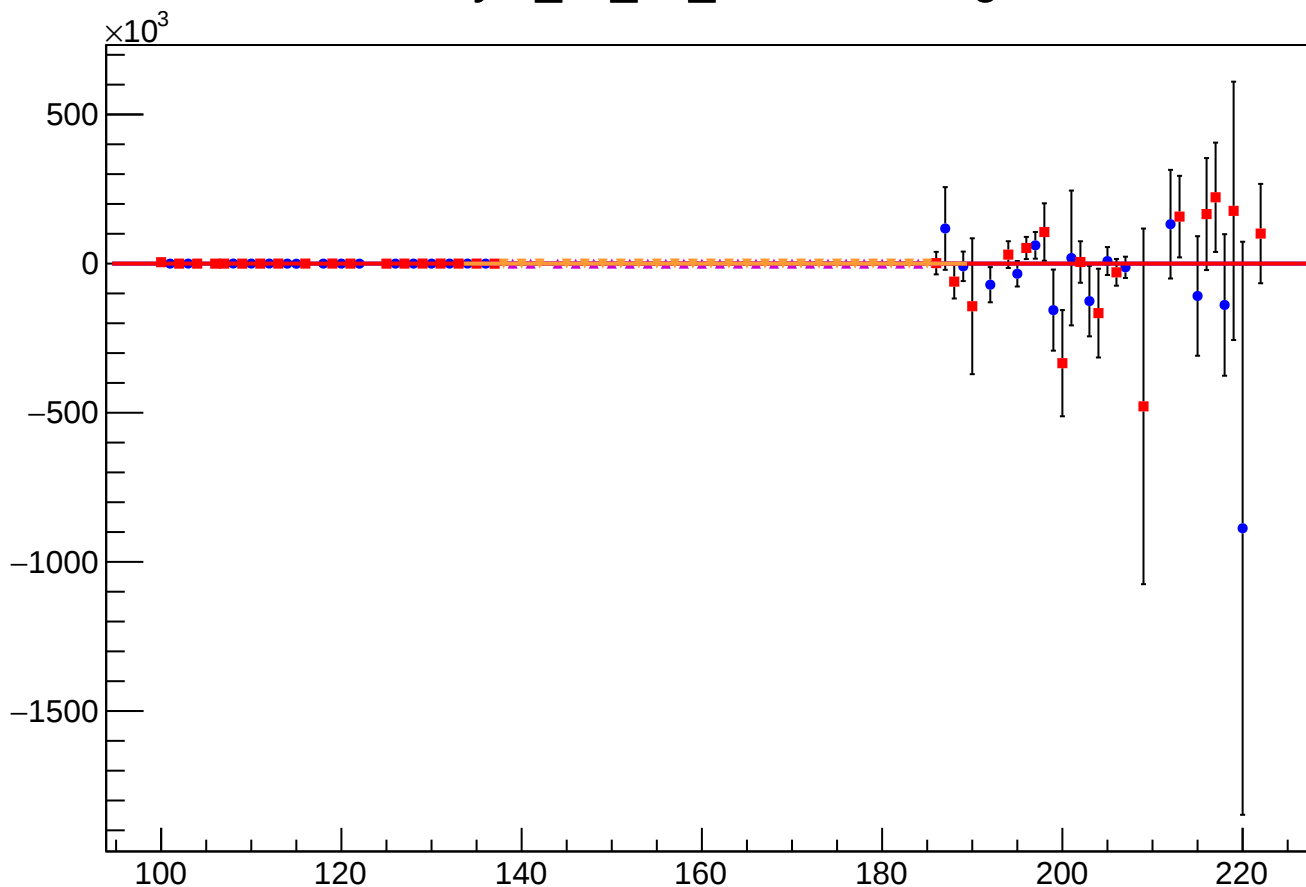
Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 9361858.1/57

All: 1.400+/-0.000 χ^2/NDF : 17852043.9/116

- sign 1.413+/-0.000 χ^2/NDF : 8483865.2/58

asym_ds_dd_mean vs Slug



Right In: 7.378 ± 30.020 χ^2/NDF : 23.2/29

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

Right Out: 26.417 ± 30.482 χ^2/NDF : 28.1/33

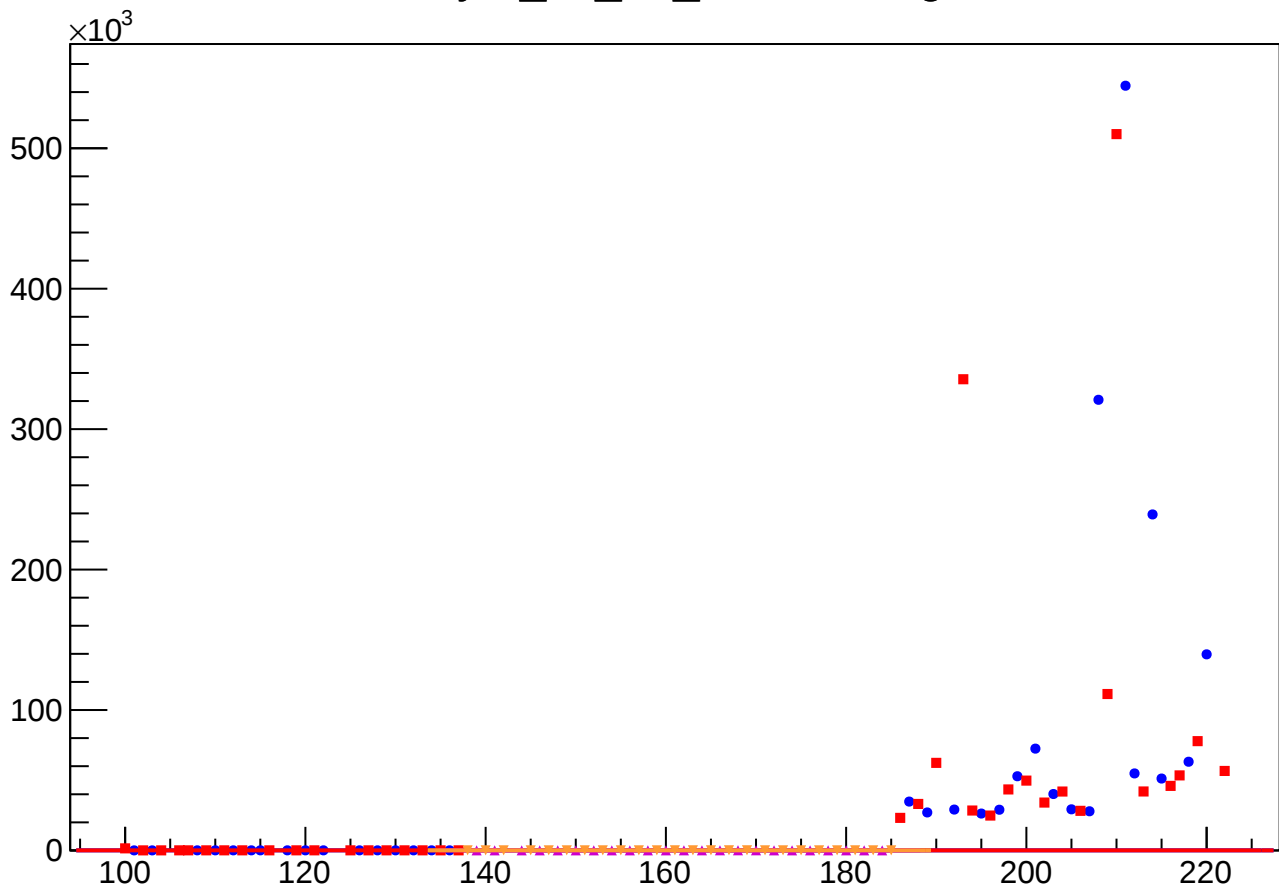
Left In: -43.905 ± 21.600 χ^2/NDF : 31.1/22

+ sign 12.929 ± 17.468 χ^2/NDF : 40.3/53

All: -3.587 ± 12.407 χ^2/NDF : 104.9/110

- sign -20.397 ± 17.624 χ^2/NDF : 62.8/56

asym_ds_dd_rms vs Slug



Right In: 76.114 $\pm$ 0.021 χ^2 /NDF: 6985506.8/32

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

Right Out: 79.412 $\pm$ 0.022 χ^2 /NDF: 6902416.3/35

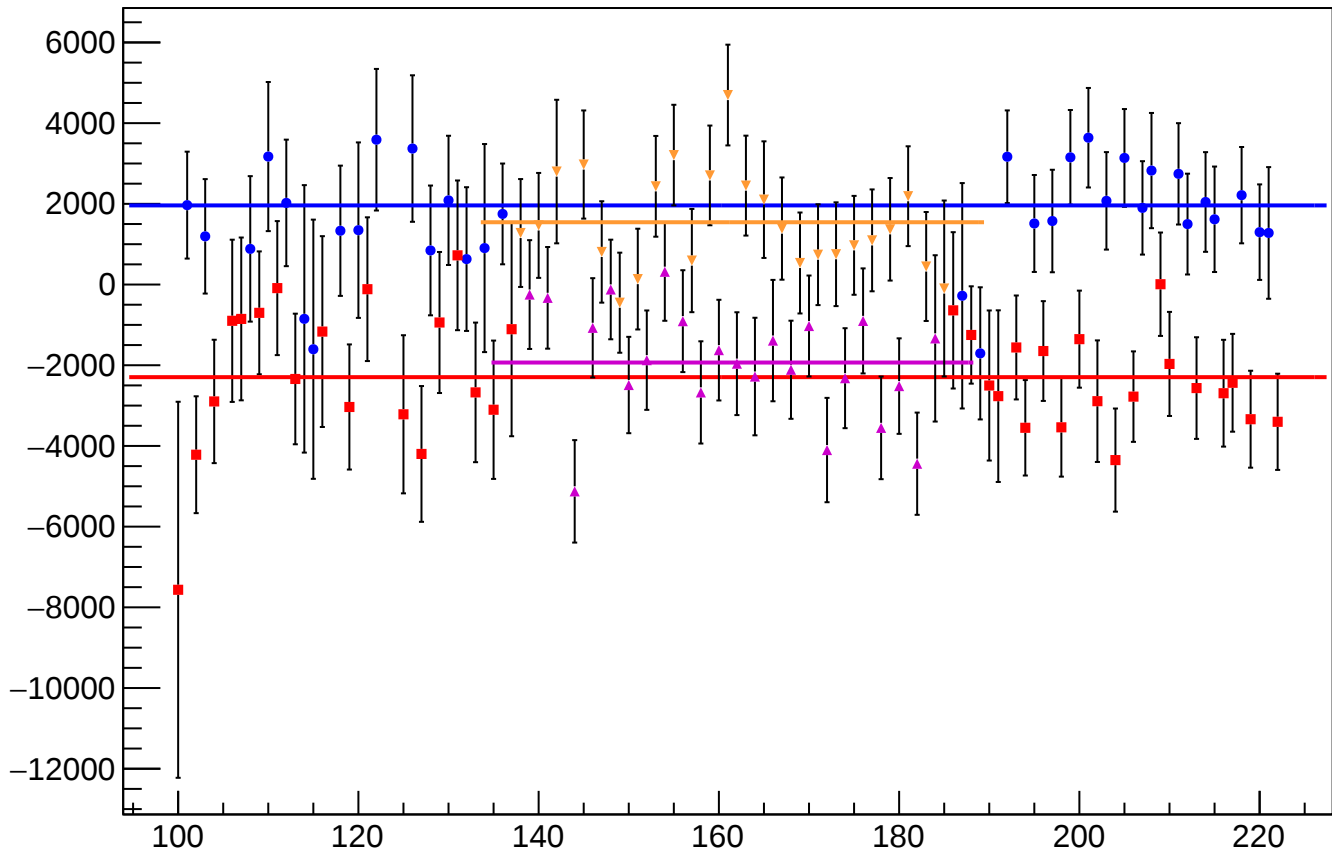
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.126 $\pm$ 0.012 χ^2 /NDF: 7723839.2/56

All: 85.674 $\pm$ 0.009 χ^2 /NDF: 15292400.1/115

- sign 86.231 $\pm$ 0.012 χ^2 /NDF: 7564600.6/58

reg_asym_usl_mean vs Slug



Right In: 1961.069 $\pm$ 248.181 χ^2 /NDF: 18.3/33

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

Right Out: -2295.377 $\pm$ 244.626 χ^2 /NDF: 27.1/36

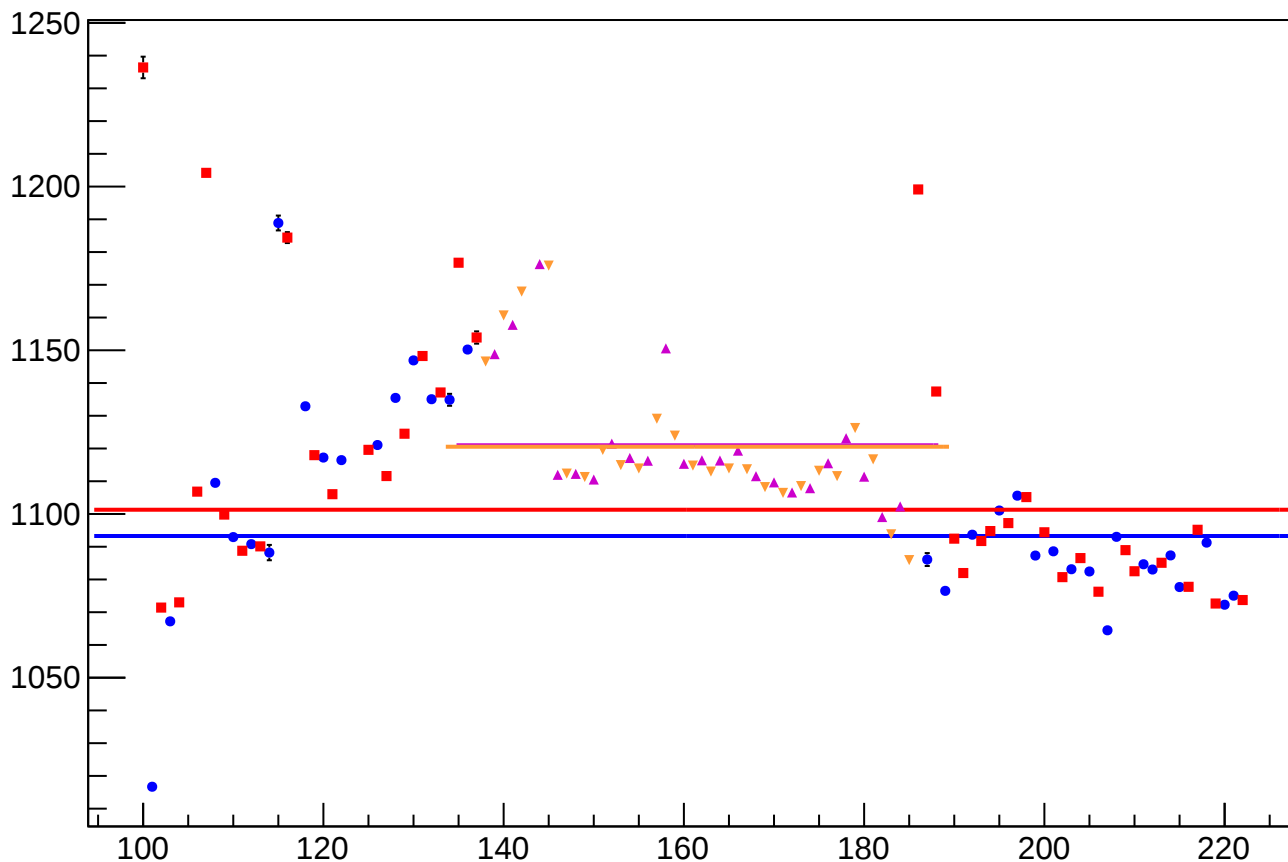
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF: 27.0/22

+ sign 1767.229 $\pm$ 181.549 χ^2 /NDF: 39.6/57

All: -191.097 $\pm$ 128.065 χ^2 /NDF: 326.3/117

- sign -2130.682 $\pm$ 180.678 χ^2 /NDF: 55.1/59

reg_asym_usl_rms vs Slug



Right In: 1093.277 $\pm$ 0.175 χ^2 /NDF: 24524.1/33

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

Right Out: 1101.299 $\pm$ 0.173 χ^2 /NDF: 31613.7/36

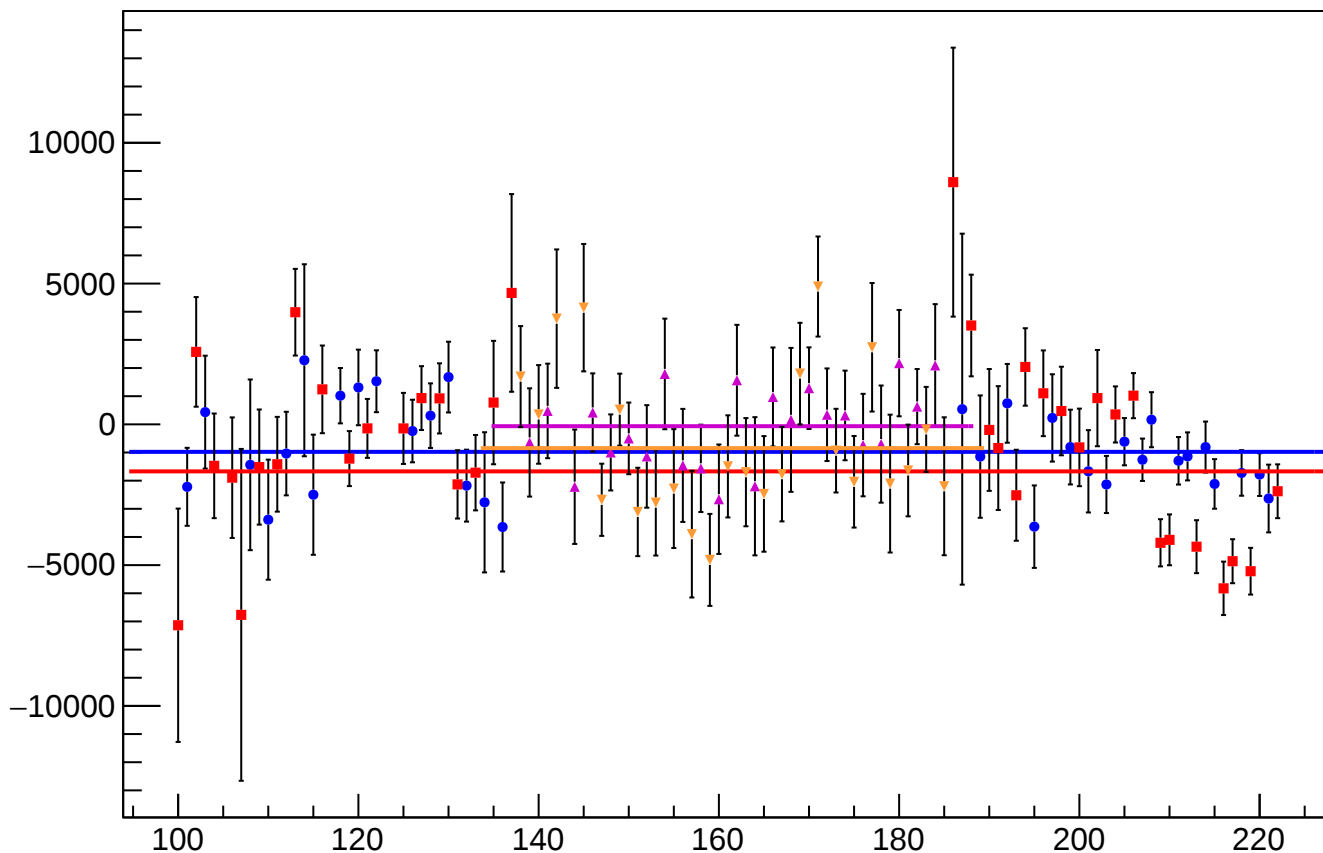
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF: 9641.8/22

+ sign 1105.952 $\pm$ 0.128 χ^2 /NDF: 45999.1/57

All: 1108.111 $\pm$ 0.091 χ^2 /NDF: 93707.3/117

- sign 1110.249 $\pm$ 0.128 χ^2 /NDF: 47145.4/59

asym_usl_correction_mean vs Slug



Right In: -976.806 ± 200.943 $\chi^2/\text{NDF}: 41.1/33$

Left Out: -845.009 ± 361.141 $\chi^2/\text{NDF}: 43.2/23$

Right Out: -1670.619 ± 209.188 $\chi^2/\text{NDF}: 165.8/36$

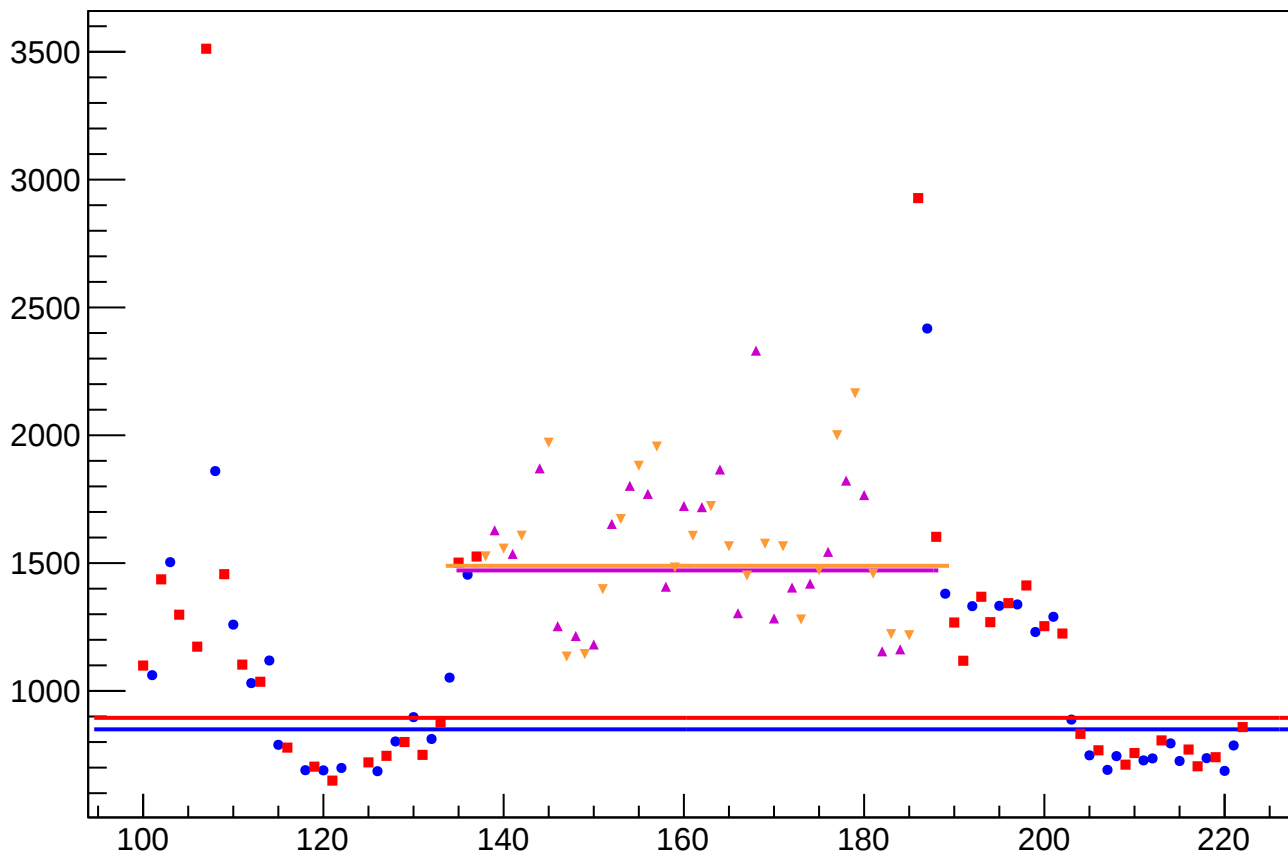
Left In: -65.738 ± 358.785 $\chi^2/\text{NDF}: 12.1/22$

+ sign -945.648 ± 175.592 $\chi^2/\text{NDF}: 84.5/57$

All: -1099.987 ± 125.934 $\chi^2/\text{NDF}: 278.9/117$

- sign -1263.463 ± 180.715 $\chi^2/\text{NDF}: 192.8/59$

asym_usl_correction_rms vs Slug



Right In: 849.725 +/- 0.142 χ^2/NDF : 2724833.3/33

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

Right Out: 894.748 +/- 0.148 χ^2/NDF : 3520895.7/36

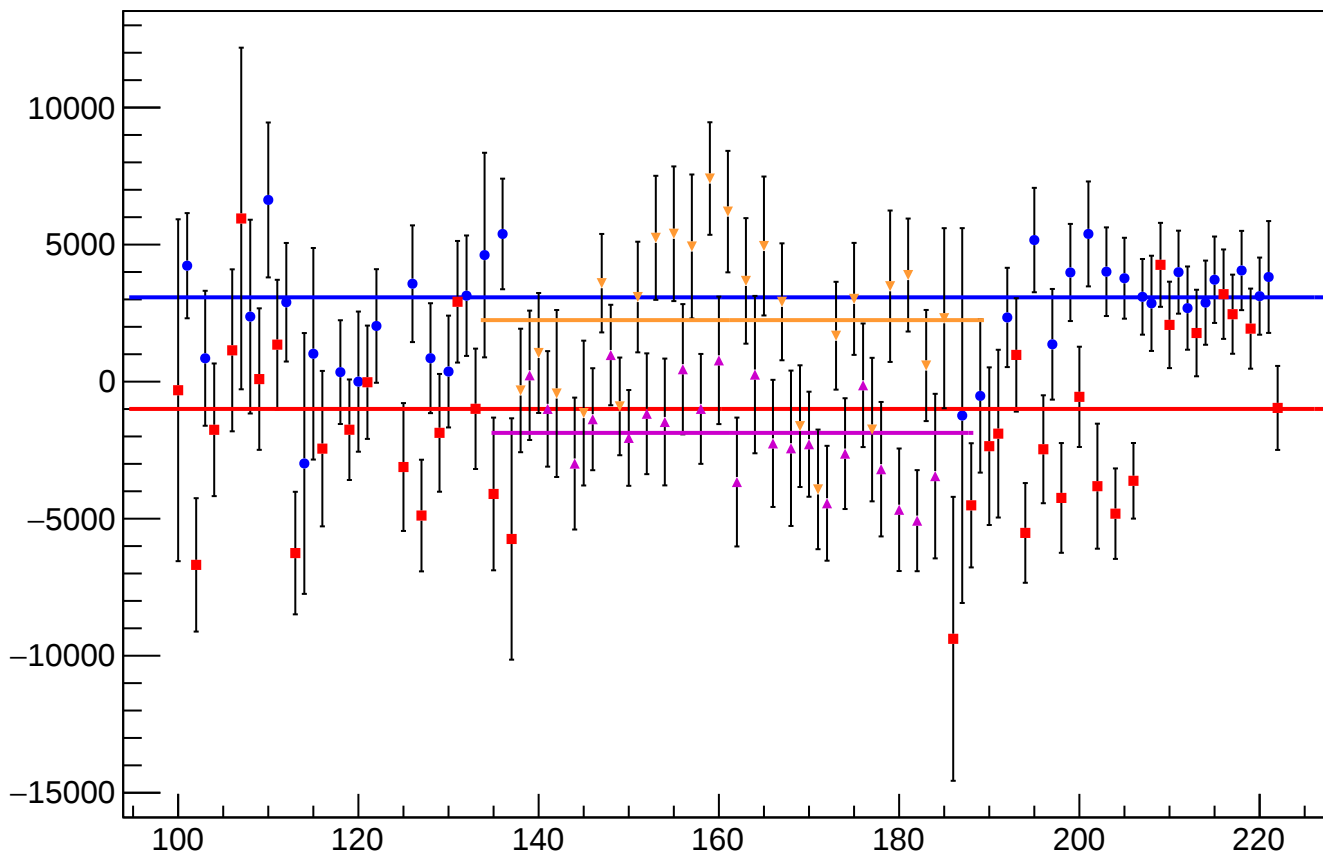
Left In: 1471.394 +/- 0.254 χ^2/NDF : 1105310.5/22

+ sign 1000.972 +/- 0.124 χ^2/NDF : 8527025.6/57

All: 1020.431 +/- 0.089 χ^2/NDF : 17059410.7/100

- sign 1041.043 +/- 0.128 χ^2/NDF : 8481805.9/59

asym_usl_mean vs Slug



Right In: 3076.234 $\pm$ 332.419 χ^2 /NDF: 20.7/33

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

Right Out: -996.030 $\pm$ 337.317 χ^2 /NDF: 86.0/36

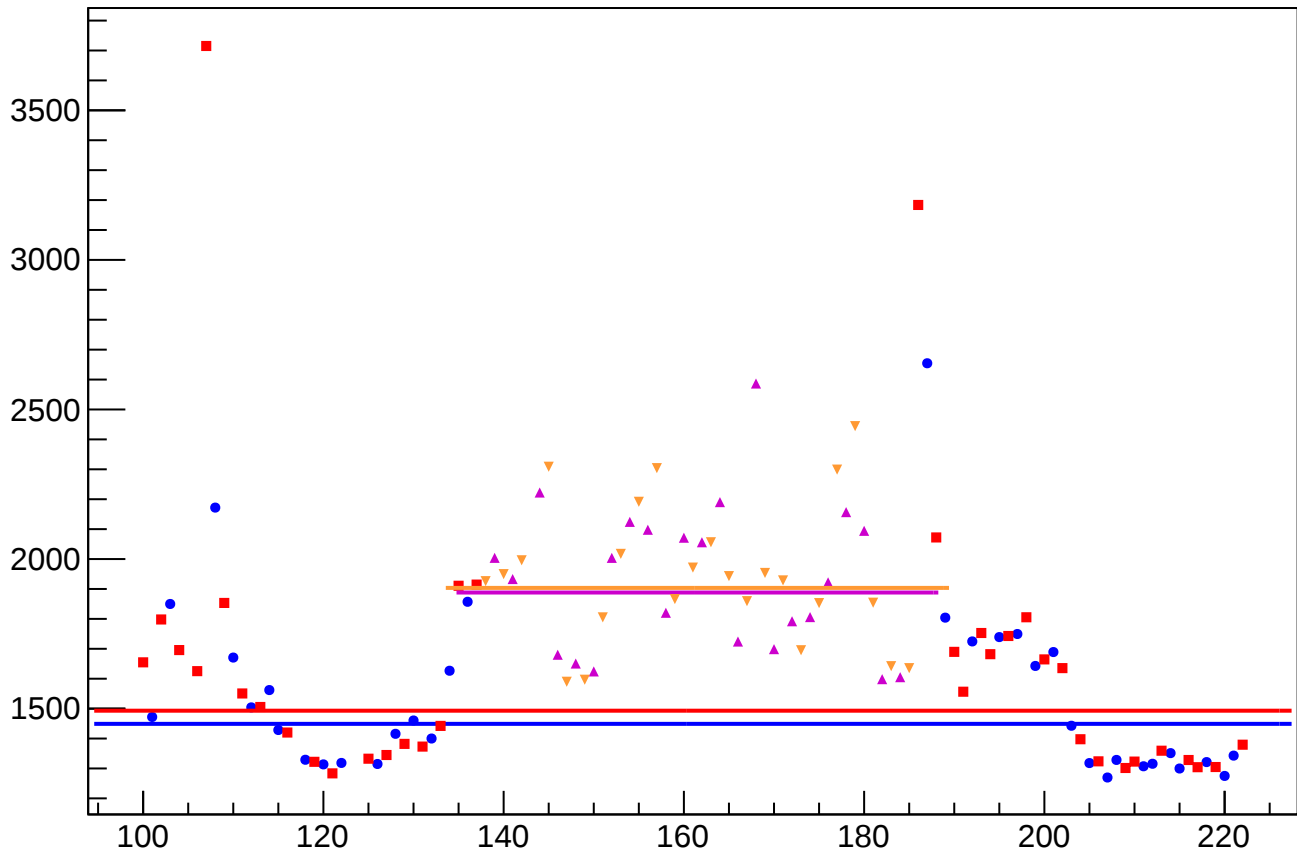
Left In: -1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

+ sign 2787.973 $\pm$ 268.717 χ^2 /NDF: 61.4/57

All: 759.084 $\pm$ 190.839 χ^2 /NDF: 279.7/117

- sign -1305.524 $\pm$ 271.072 χ^2 /NDF: 103.2/59

asym_usl_rms vs Slug



Right In: 1449.093+/-0.235 χ^2/NDF : 725678.4/33

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

Right Out: 1493.089+/-0.239 χ^2/NDF : 1197826.4/36

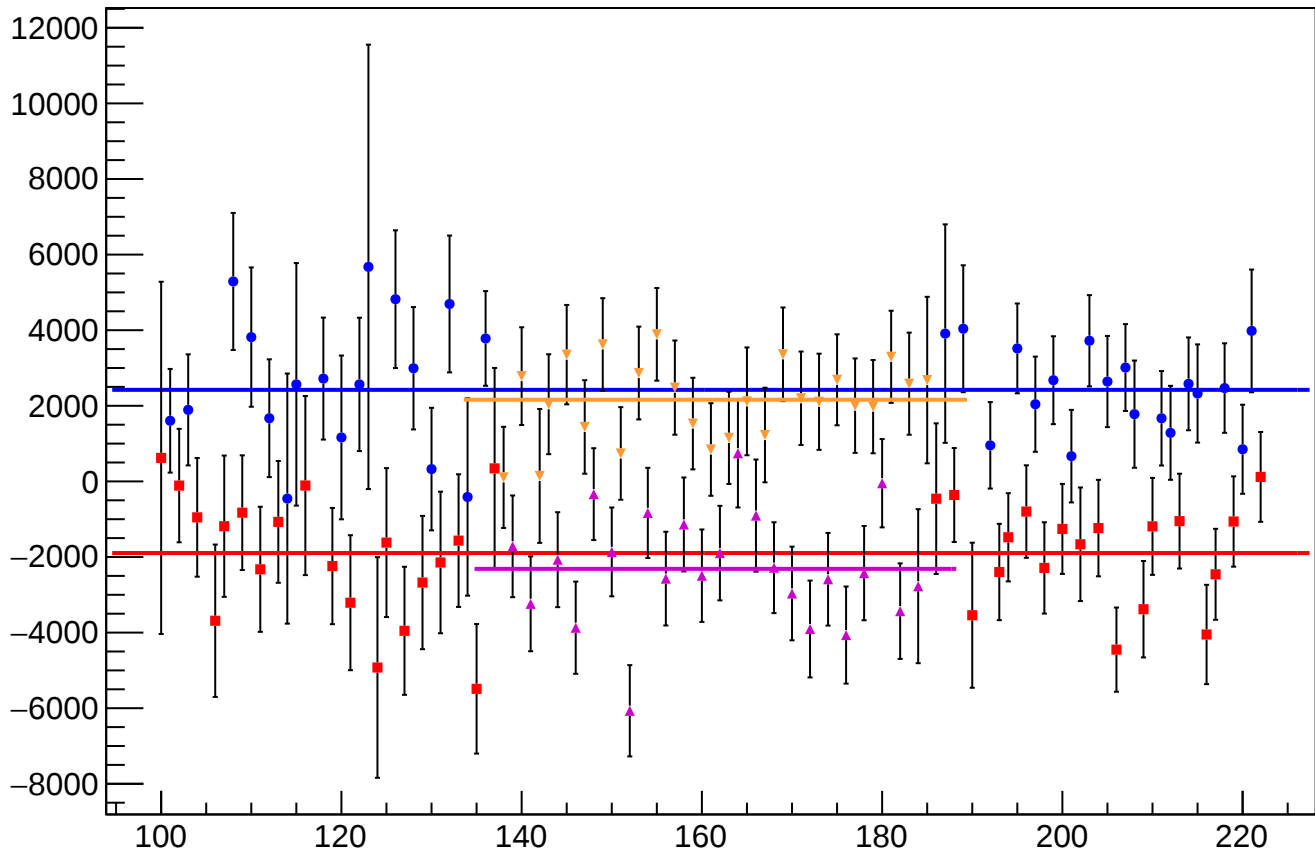
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1606.592+/-0.190 χ^2/NDF : 2483032.3/57

All: 1619.687+/-0.135 χ^2/NDF : 5166588.5/11

- sign 1633.013+/-0.192 χ^2/NDF : 2673973.4/59

reg_asym_usr_mean vs Slug



Right In: 2421.970 ± 247.950 χ^2/NDF : 24.2/34

Left Out: 2161.427 ± 257.518 χ^2/NDF : 15.1/24

Right Out: -1894.643 ± 245.109 χ^2/NDF : 31.1/36

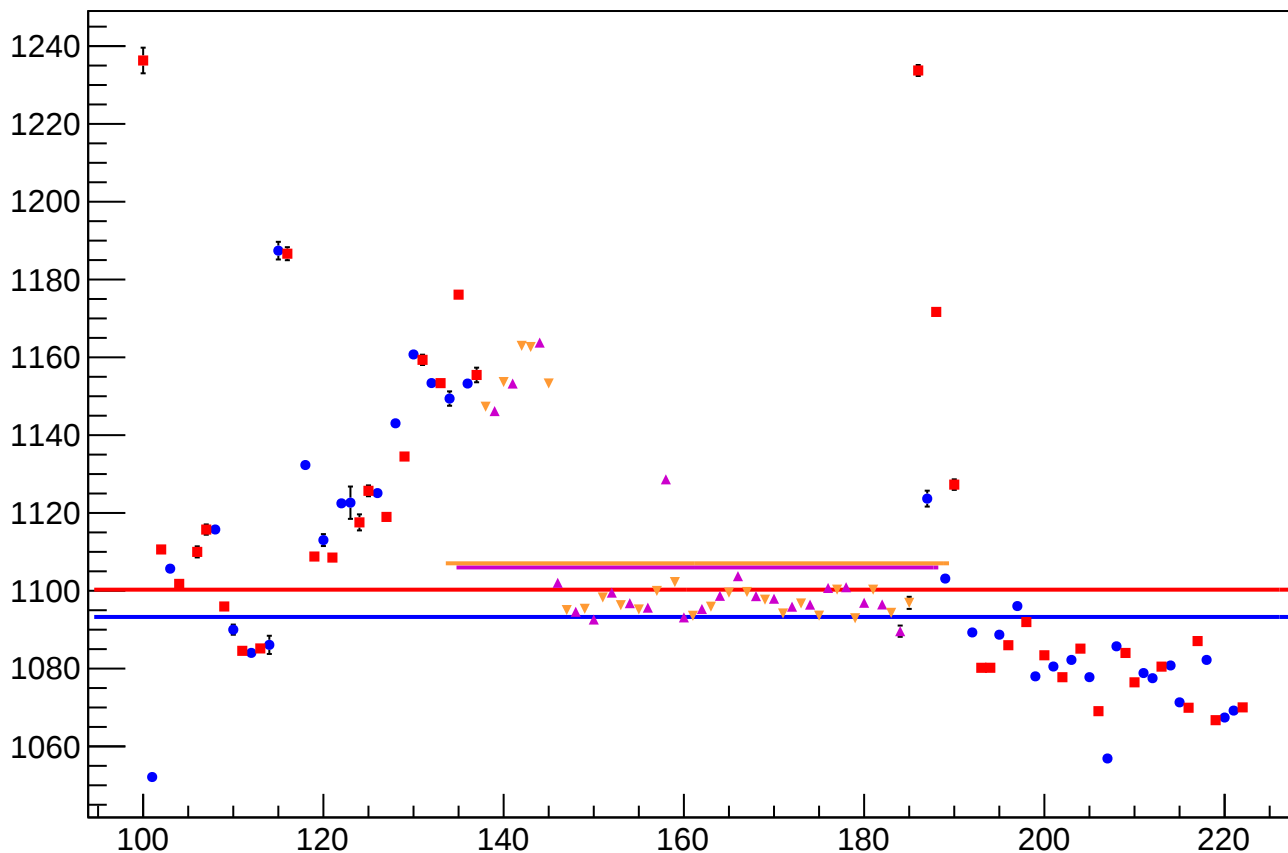
Left In: -2313.505 ± 264.429 χ^2/NDF : 31.3/22

+ sign 2296.628 ± 178.614 χ^2/NDF : 39.8/59

All: 118.236 ± 126.703 χ^2/NDF : 402.9/119

- sign -2088.215 ± 179.761 χ^2/NDF : 63.7/59

reg_asym_usr_rms vs Slug



Right In: 1093.271 $\pm$ 0.175 χ^2 /NDF: 26100.7/34

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

Right Out: 1100.283 $\pm$ 0.173 χ^2 /NDF: 40933.4/36

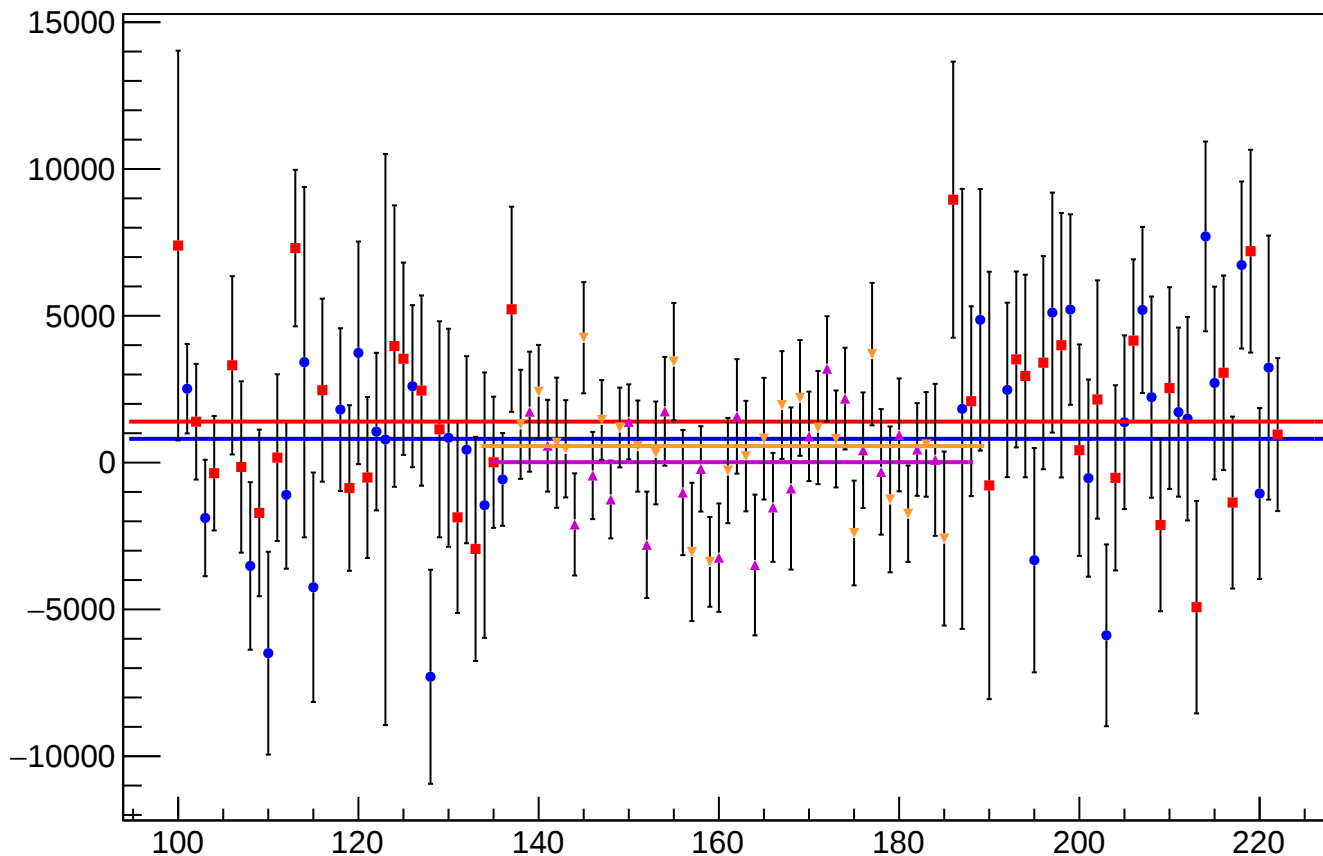
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1099.903 $\pm$ 0.126 χ^2 /NDF: 44250.8/59

All: 1101.403 $\pm$ 0.090 χ^2 /NDF: 97521.9/119

- sign 1102.923 $\pm$ 0.127 χ^2 /NDF: 52986.9/59

asym_usr_correction_mean vs Slug



Right In: 809.095 $\pm$ 504.750 χ^2/NDF : 42.2/34

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

Right Out: 1395.810 $\pm$ 510.538 χ^2/NDF : 28.7/36

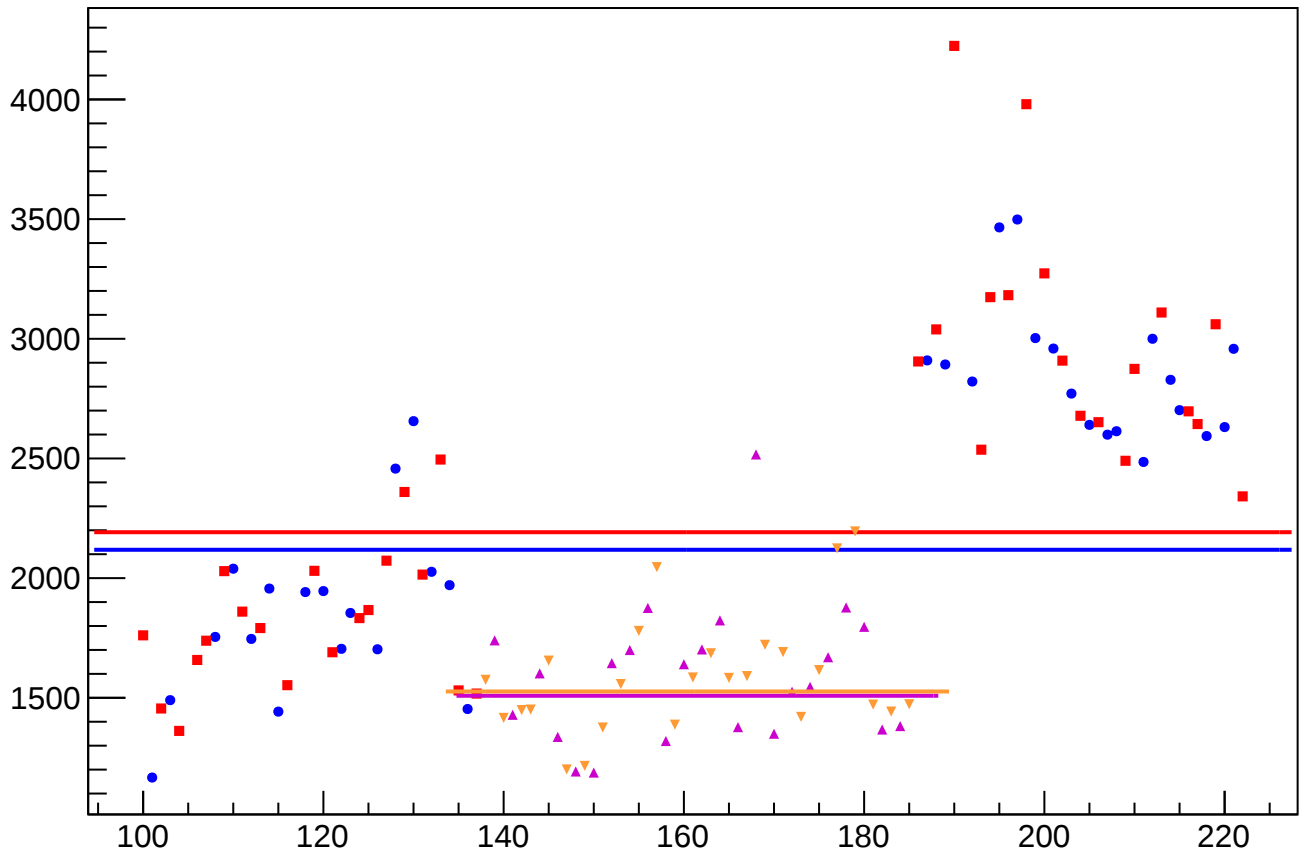
Left In: 15.520 $\pm$ 366.854 χ^2/NDF : 20.1/22

+ sign 646.438 $\pm$ 293.577 χ^2/NDF : 69.1/59

All: 567.165 $\pm$ 209.108 χ^2/NDF : 122.9/119

- sign 485.530 $\pm$ 297.918 χ^2/NDF : 53.7/59

asym_usr_correction_rms vs Slug



Right In: 2118.480+/-0.357 χ^2/NDF : 3349274.0/34

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

Right Out: 2191.908+/-0.361 χ^2/NDF : 3096435.3/36

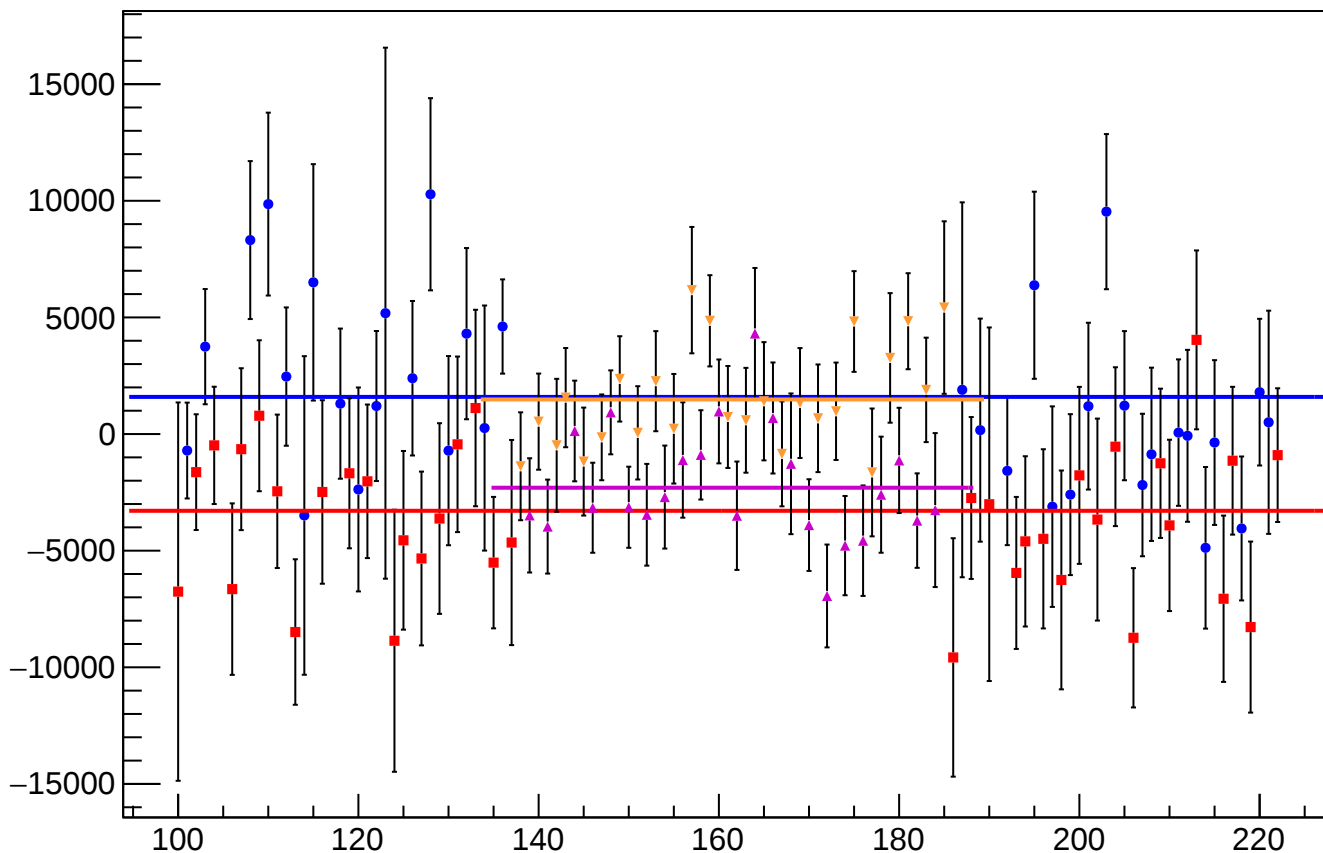
Left In: 1508.581+/-0.259 χ^2/NDF : 931684.8/22

+ sign 1726.690+/-0.208 χ^2/NDF : 5924019.4/59

All: 1733.870+/-0.148 χ^2/NDF : 12317420.2/100

- sign 1741.264+/-0.211 χ^2/NDF : 6390972.4/59

asym_usr_mean vs Slug



Right In: 1592.453+/-583.247 χ^2/NDF : 41.1/34

Left Out: 1482.365+/-449.983 χ^2/NDF : 20.9/24

Right Out: -3290.129+/-584.169 χ^2/NDF : 27.1/36

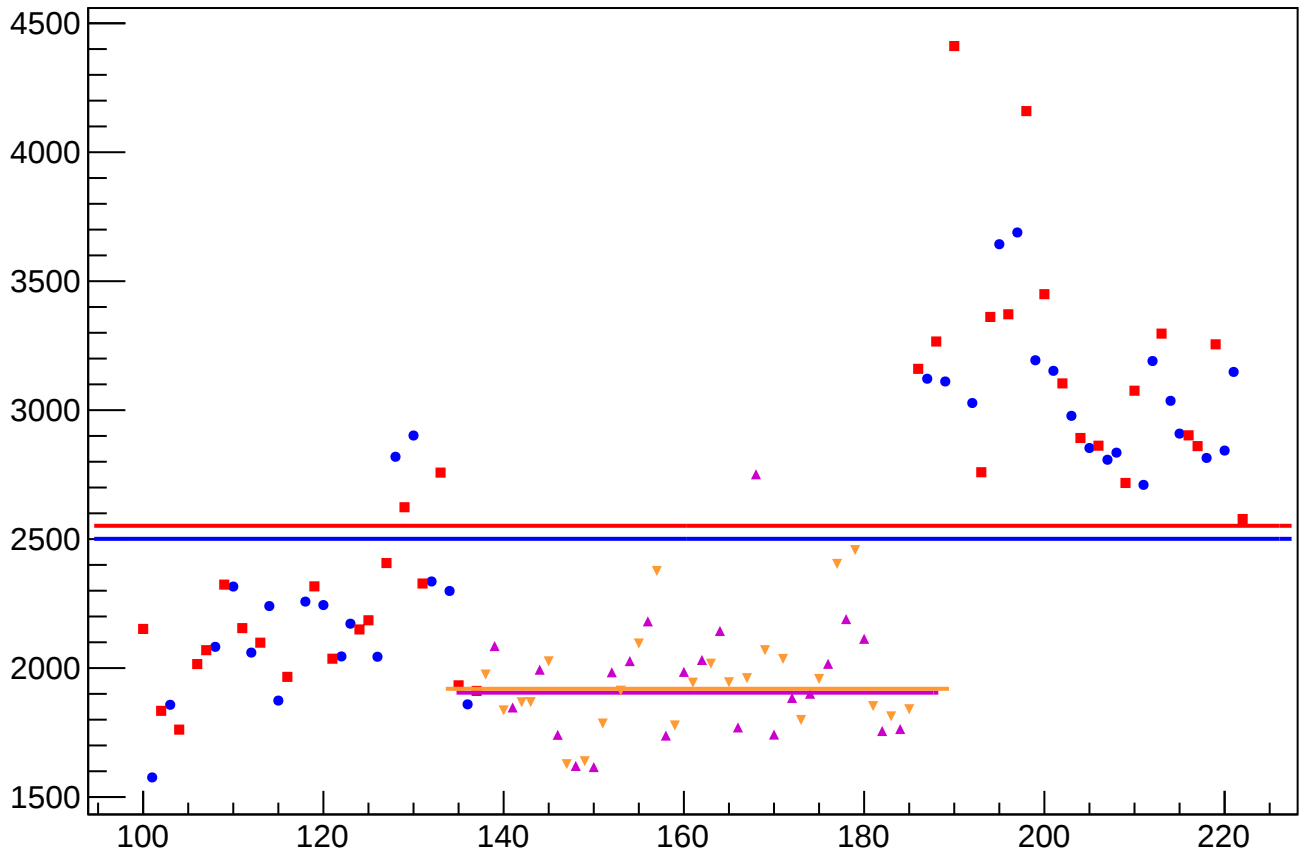
Left In: -2301.247+/-459.040 χ^2/NDF : 24.8/22

+ sign 1523.443+/-356.274 χ^2/NDF : 62.1/59

All: -550.339+/-253.556 χ^2/NDF : 184.4/119

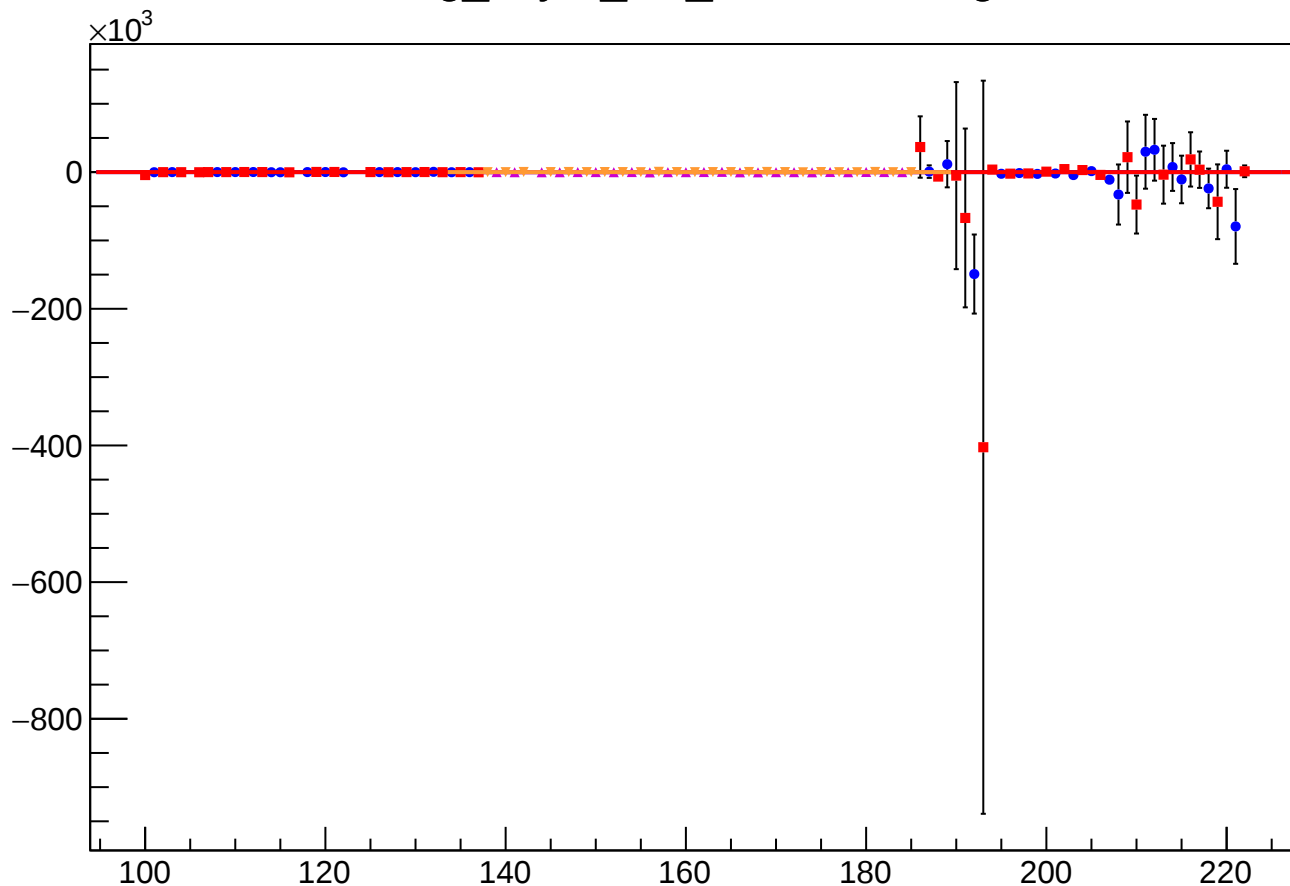
- sign -2678.758+/-360.937 χ^2/NDF : 53.7/59

asym_usr_rms vs Slug



Right In: 2501.118+/-0.412	χ^2/NDF : 1889468.4/34	+ sign 2136.666+/-0.252	χ^2/NDF : 3501433.8/59
Left Out: 1919.732+/-0.318	χ^2/NDF : 366218.1/24	All: 2144.060+/-0.179	χ^2/NDF : 7372866.5/11
Right Out: 2551.697+/-0.413	χ^2/NDF : 1905239.0/36	- sign 2151.650+/-0.255	χ^2/NDF : 3869686.9/59
Left In: 1904.629+/-0.325	χ^2/NDF : 447350.7/22		

reg_asym_dsl_mean vs Slug



Right In: -2.413 ± 36.762 χ^2/NDF : 35.8/33

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

Right Out: -1.832 ± 36.747 χ^2/NDF : 21.8/36

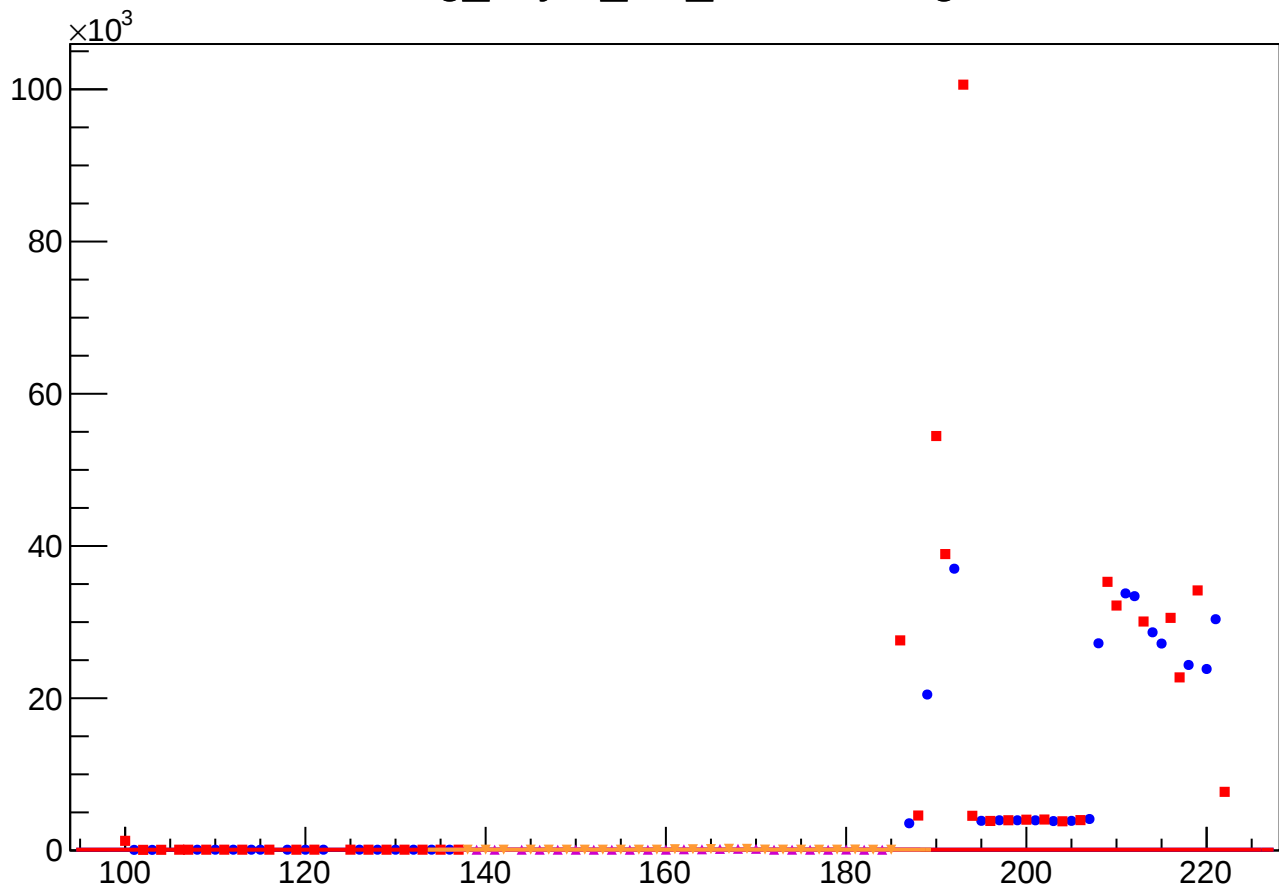
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.303 ± 21.368 χ^2/NDF : 71.8/57

All: -4.822 ± 15.124 χ^2/NDF : 130.9/117

- sign -16.994 ± 21.410 χ^2/NDF : 58.5/59

reg_asym_dsl_rms vs Slug



Right In: 96.251 $\pm$ 0.026 χ^2 /NDF: 21571220.0/33

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

Right Out: 98.517 $\pm$ 0.026 χ^2 /NDF: 20537209.3/36

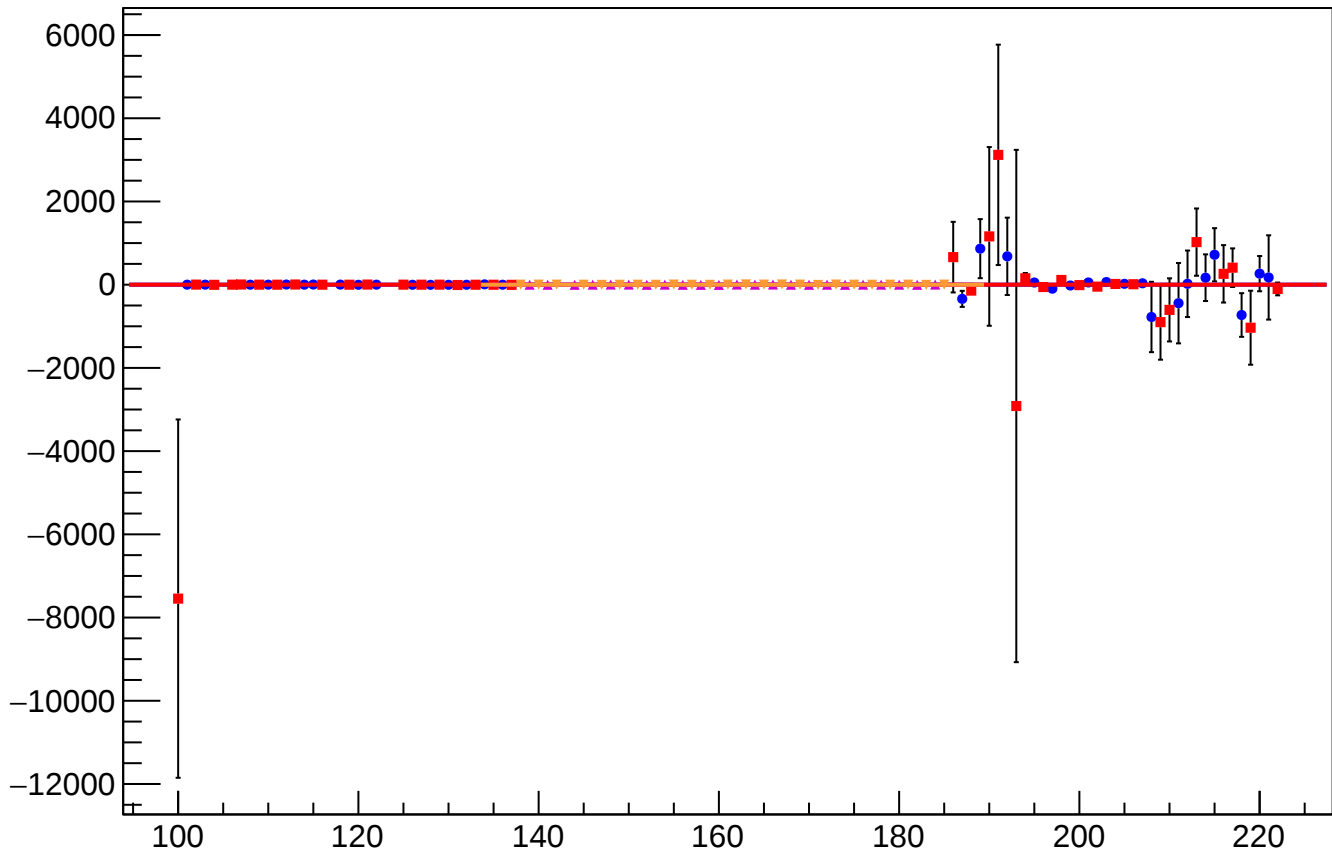
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 104.070 $\pm$ 0.015 χ^2 /NDF: 23142838.0/57

All: 104.317 $\pm$ 0.011 χ^2 /NDF: 45253620.1/11

- sign 104.564 $\pm$ 0.015 χ^2 /NDF: 22110247.2/59

asym_dsl_correction_mean vs Slug



Right In: 0.397 ± 0.617 χ^2/NDF : 24.2/33

Left Out: -0.534 ± 0.475 χ^2/NDF : 30.5/23

Right Out: 0.345 ± 0.644 χ^2/NDF : 35.6/36

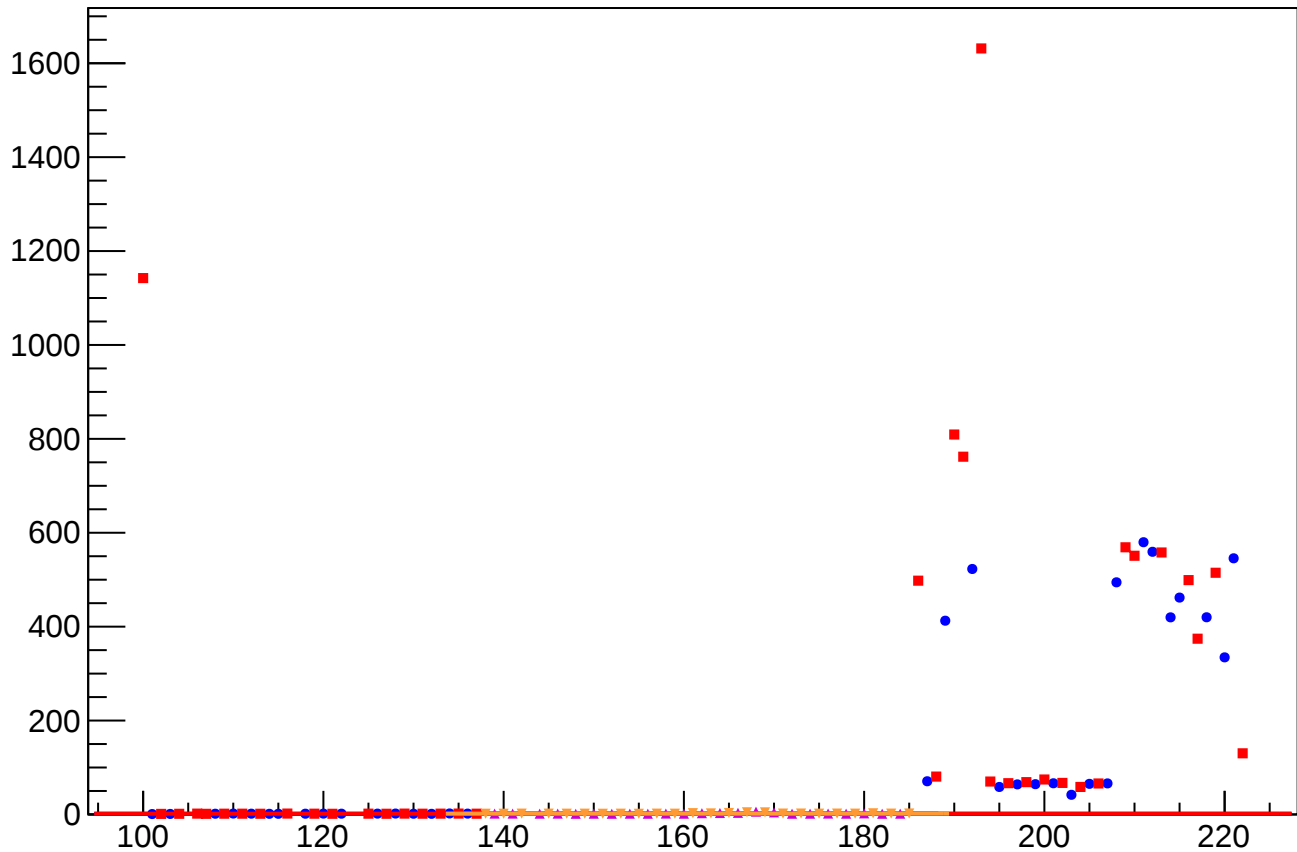
Left In: 0.067 ± 0.485 χ^2/NDF : 25.0/22

+ sign -0.188 ± 0.376 χ^2/NDF : 56.1/57

All: -0.015 ± 0.270 χ^2/NDF : 117.3/117

- sign 0.168 ± 0.387 χ^2/NDF : 60.7/59

asym_dsl_correction_rms vs Slug



Right In: 1.453+/-0.000 χ^2/NDF : 18698873.2/33

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

Right Out: 1.589+/-0.000 χ^2/NDF : 18133265.2/36

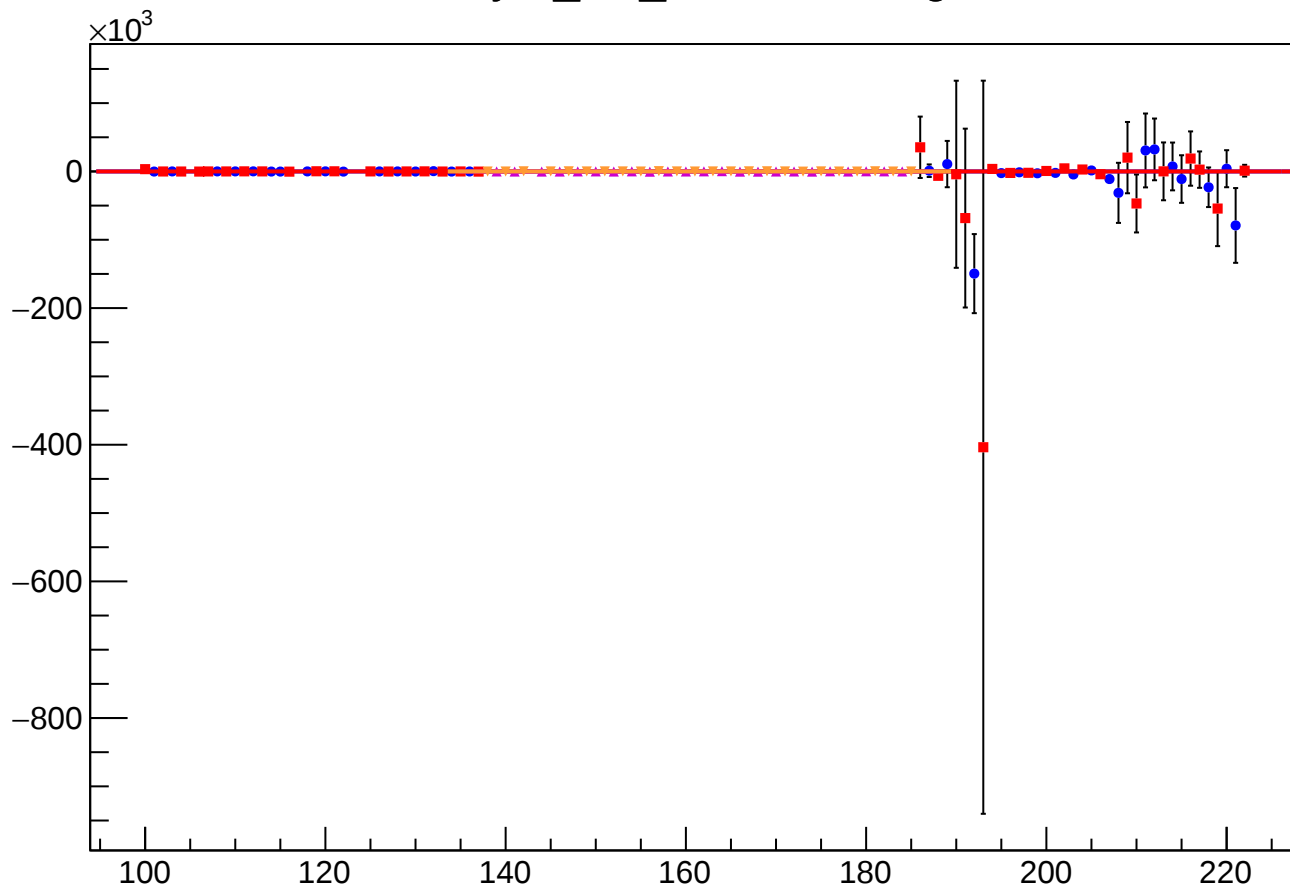
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.653+/-0.000 χ^2/NDF : 20632970.8/57

All: 1.688+/-0.000 χ^2/NDF : 40863947.4/117

- sign 1.725+/-0.000 χ^2/NDF : 20194968.6/59

asym_dsl_mean vs Slug



Right In: -2.125 ± 36.771 χ^2/NDF : 36.0/33

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

Right Out: -1.603 ± 36.757 χ^2/NDF : 21.5/36

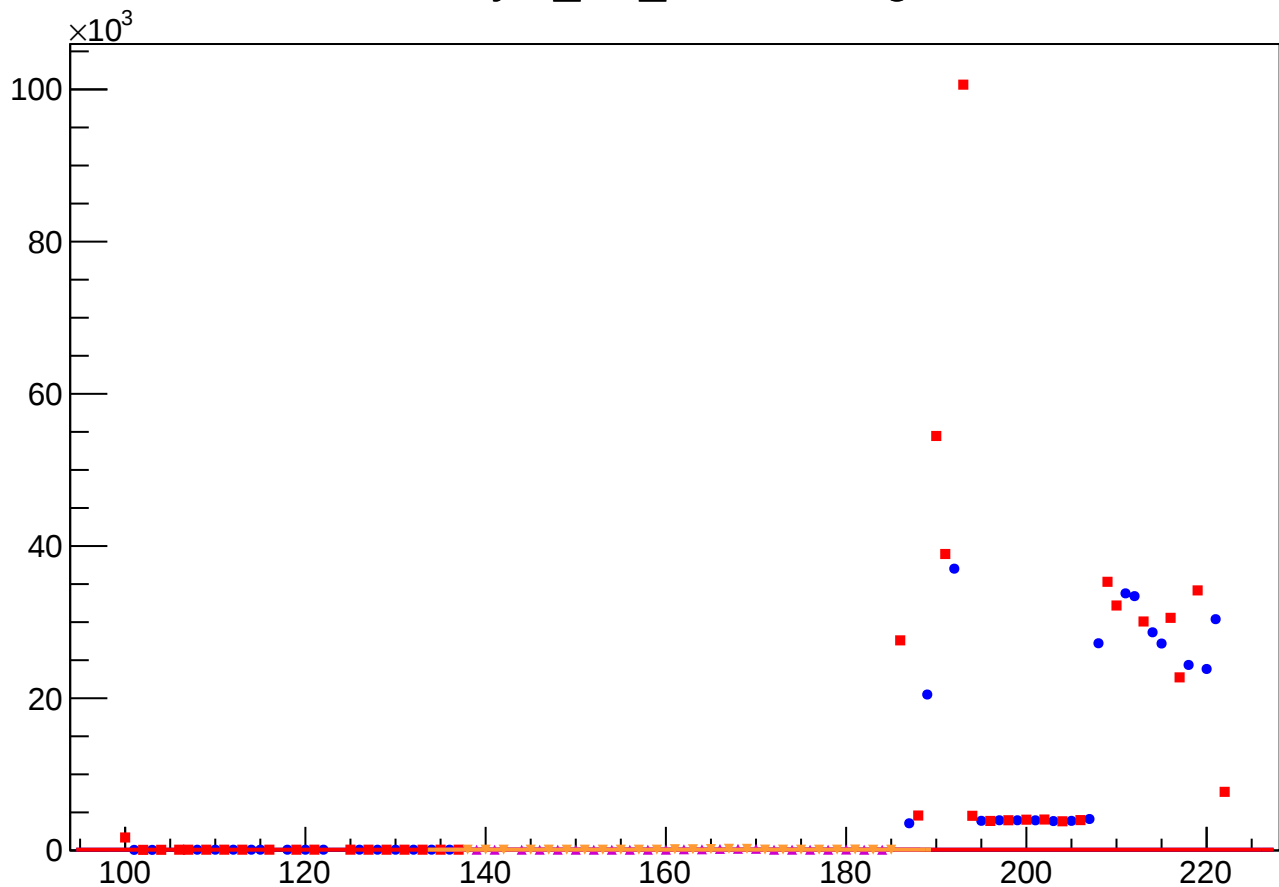
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 7.855 ± 21.374 χ^2/NDF : 71.9/57

All: -4.679 ± 15.129 χ^2/NDF : 130.0/117

- sign -17.263 ± 21.416 χ^2/NDF : 57.5/59

asym_dsl_rms vs Slug



Right In: 96.276+/-0.026 χ^2 /NDF: 21571214.8/33

Left Out: 108.090+/-0.019 χ^2 /NDF: 1436368.7/23

Right Out: 98.526+/-0.026 χ^2 /NDF: 20542510.5/36

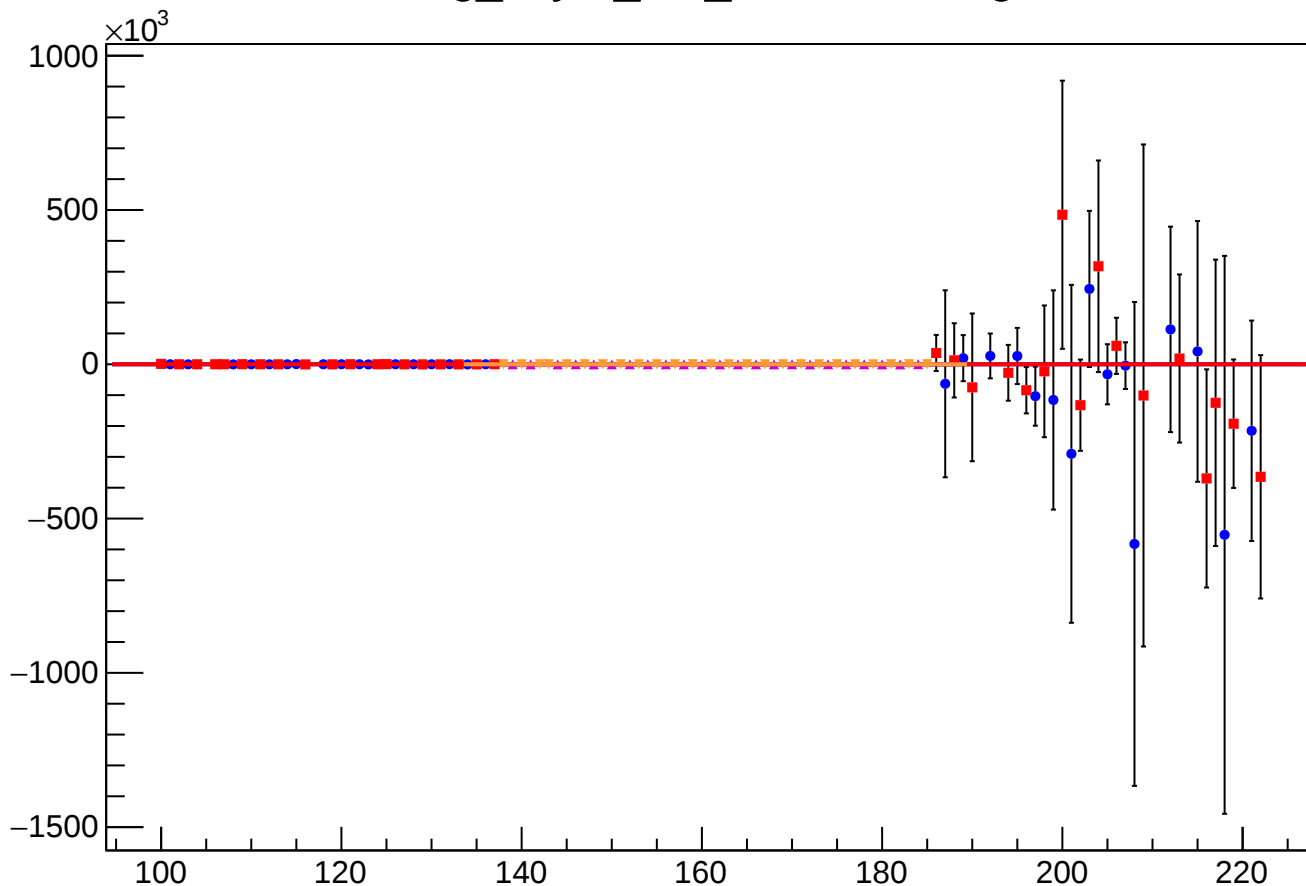
Left In: 107.703+/-0.019 χ^2 /NDF: 1492338.5/22

+ sign 104.098+/-0.015 χ^2 /NDF: 23144286.2/57

All: 104.343+/-0.011 χ^2 /NDF: 45261997.4/11

- sign 104.588+/-0.015 χ^2 /NDF: 22117187.8/59

reg_asym_dsr_mean vs Slug



Right In: -26.807 ± 46.841 χ^2/NDF : 18.8/31

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

Right Out: -53.412 ± 47.775 χ^2/NDF : 23.5/34

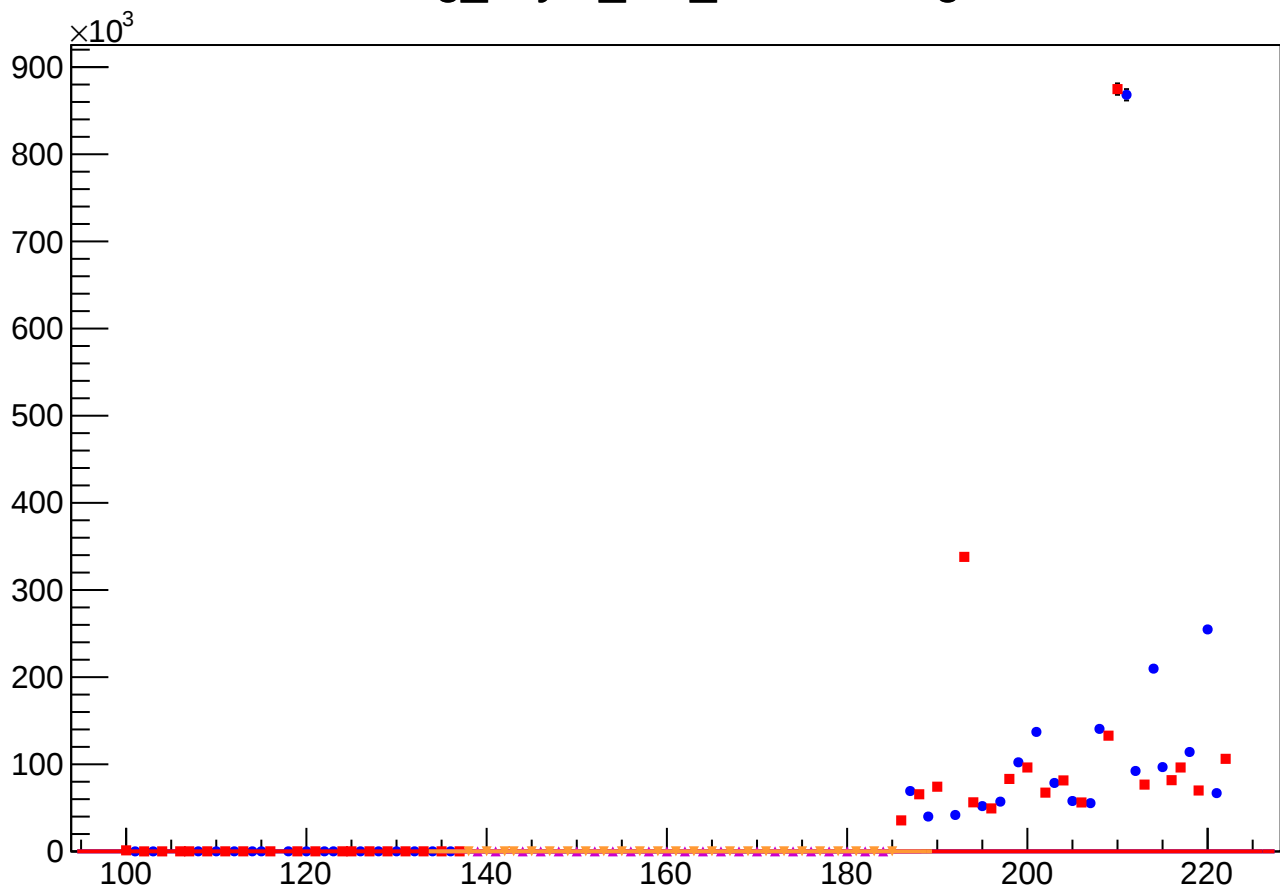
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.289 ± 26.458 χ^2/NDF : 30.8/56

All: 4.340 ± 18.939 χ^2/NDF : 79.2/114

- sign 27.067 ± 27.121 χ^2/NDF : 47.0/57

reg_asym_dsr_rms vs Slug



Right In: 117.885 $\pm$ 0.033 χ^2 /NDF: 7220048.8/34

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

Right Out: 124.851 $\pm$ 0.034 χ^2 /NDF: 7269264.1/36

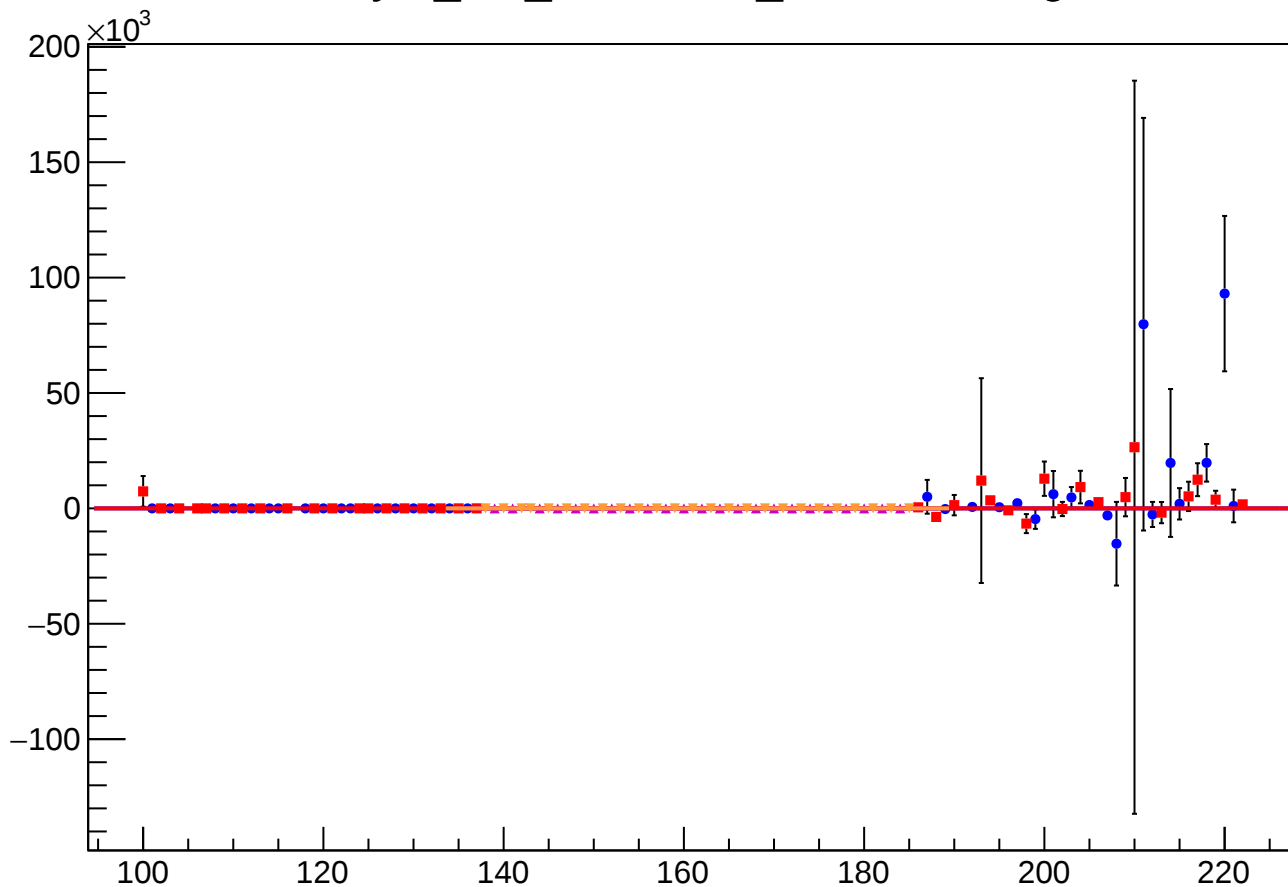
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF:460.3/22

+ sign 131.485 $\pm$ 0.019 χ^2 /NDF: 7468065.0/59

All: 132.531 $\pm$ 0.013 χ^2 /NDF: 14843841.4/11

- sign 133.630 $\pm$ 0.019 χ^2 /NDF: 7369363.0/59

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 39.1/34

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

Right Out: 0.640 ± 0.852 χ^2/NDF : 38.1/36

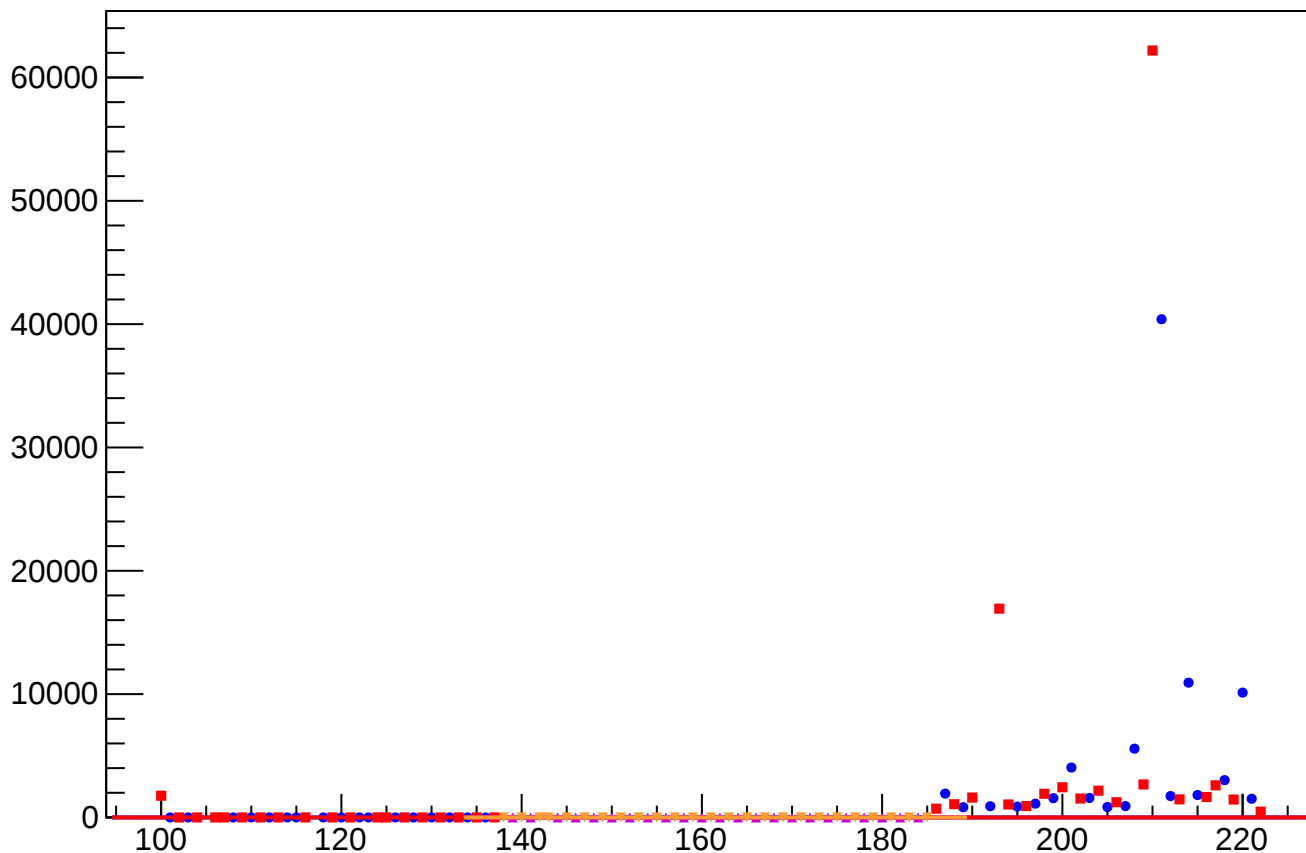
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 69.5/59

All: 0.046 ± 0.334 χ^2/NDF : 129.1/119

- sign 0.004 ± 0.479 χ^2/NDF : 59.5/59

asym_dsr_correction_rms vs Slug



Right In: 1.867 $\pm$ 0.001 χ^2 /NDF: 7359327.9/34

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

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 7572035.9/36

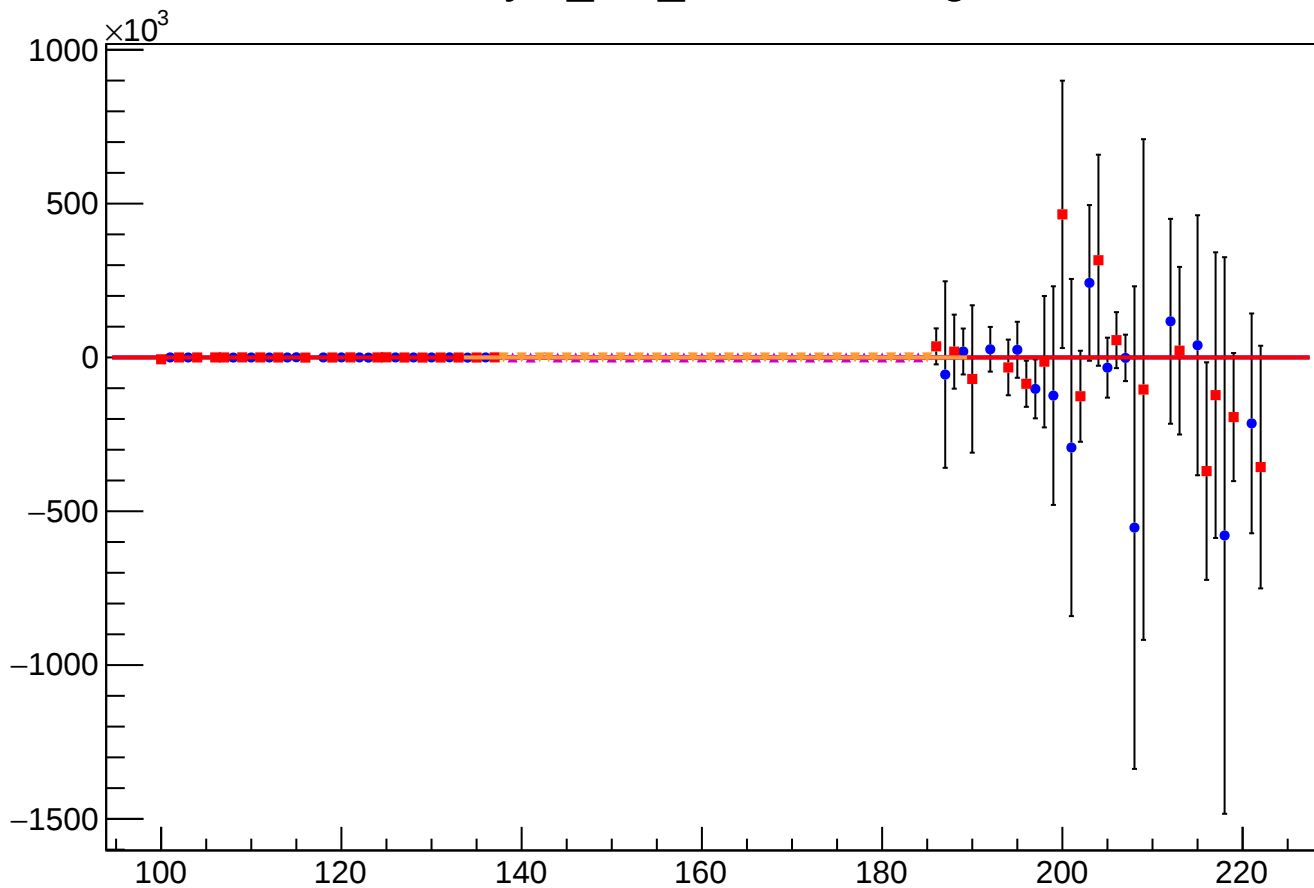
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF:510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 8051366.2/59

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 16167093.9/119

- sign 2.153 $\pm$ 0.000 χ^2 /NDF: 8113515.2/59

asym_dsr_mean vs Slug



Right In: -25.068 ± 46.854 χ^2/NDF : 18.8/31

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

Right Out: -54.315 ± 47.789 χ^2/NDF : 24.0/34

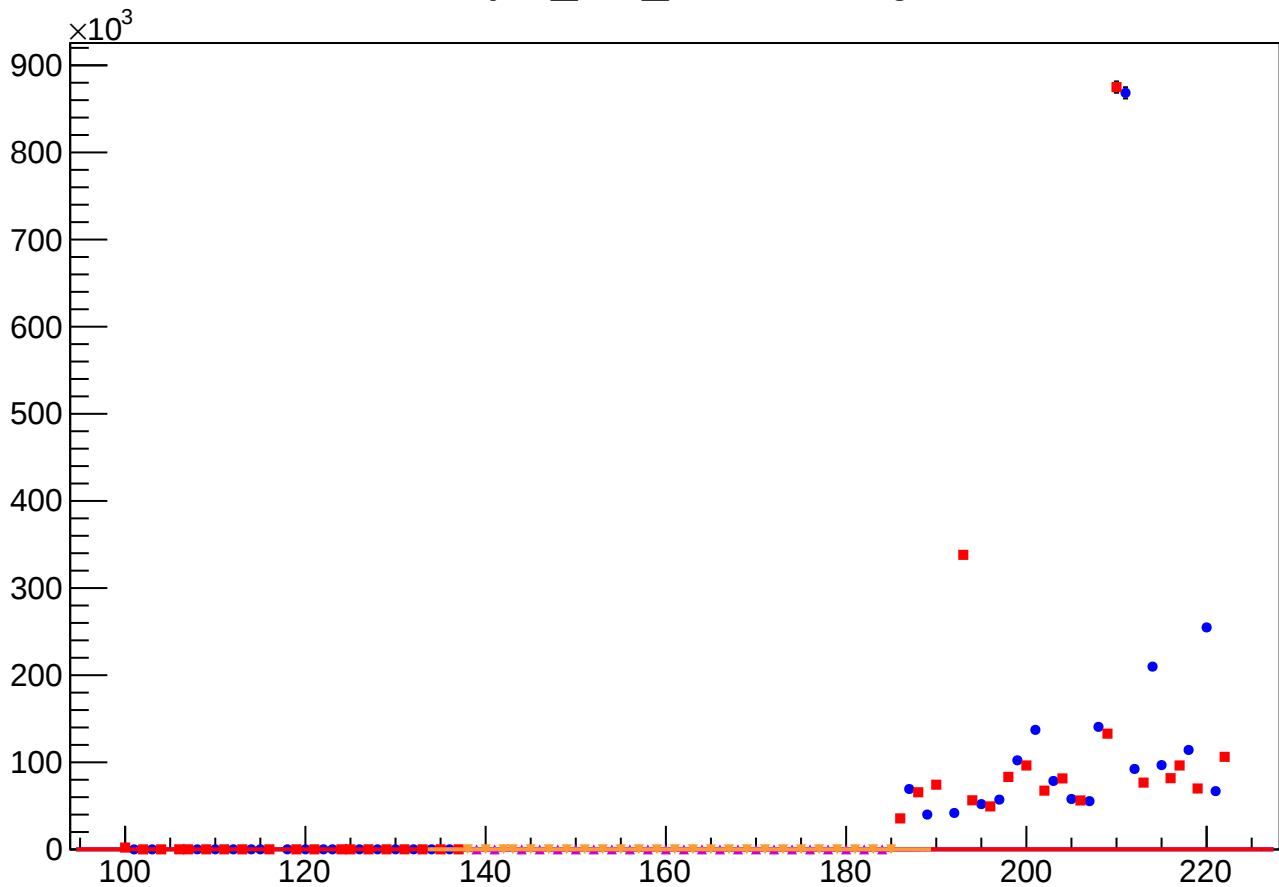
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.112 ± 26.465 χ^2/NDF : 30.6/56

All: 4.255 ± 18.944 χ^2/NDF : 79.5/114

- sign 26.707 ± 27.129 χ^2/NDF : 47.6/57

asym_dsr_rms vs Slug



Right In: 117.917 $\pm$ 0.033 χ^2 /NDF: 7220215.7/34

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

Right Out: 124.840 $\pm$ 0.034 χ^2 /NDF: 7279922.3/36

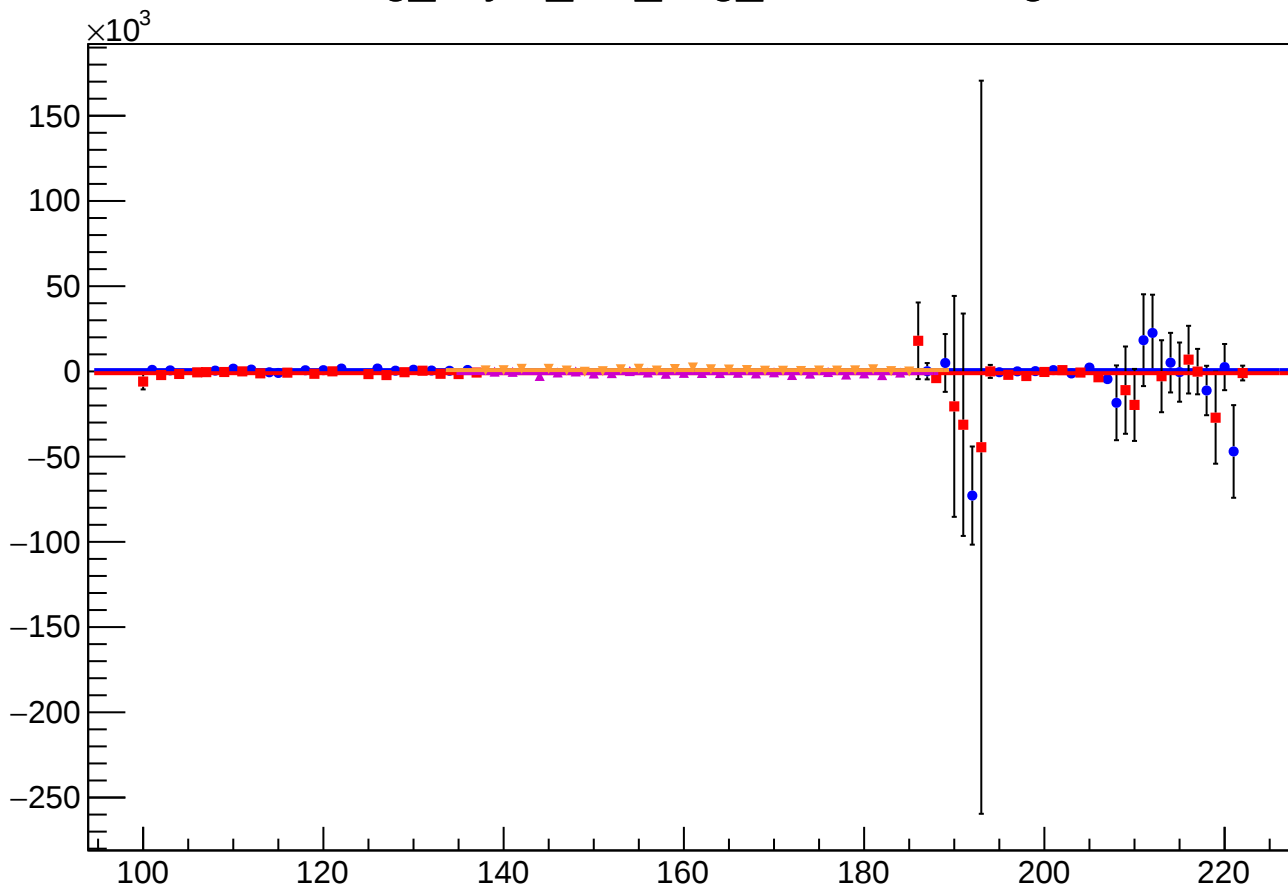
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.521 $\pm$ 0.019 χ^2 /NDF: 7468263.2/59

All: 132.561 $\pm$ 0.013 χ^2 /NDF: 14855321.0/11

- sign 133.653 $\pm$ 0.019 χ^2 /NDF: 7380728.5/59

reg_asym_left_avg_mean vs Slug



Right In: 764.361 $\pm$ 209.770 χ^2 /NDF: 24.8/33

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

Right Out: -1039.946 $\pm$ 206.986 χ^2 /NDF: 20.7/36

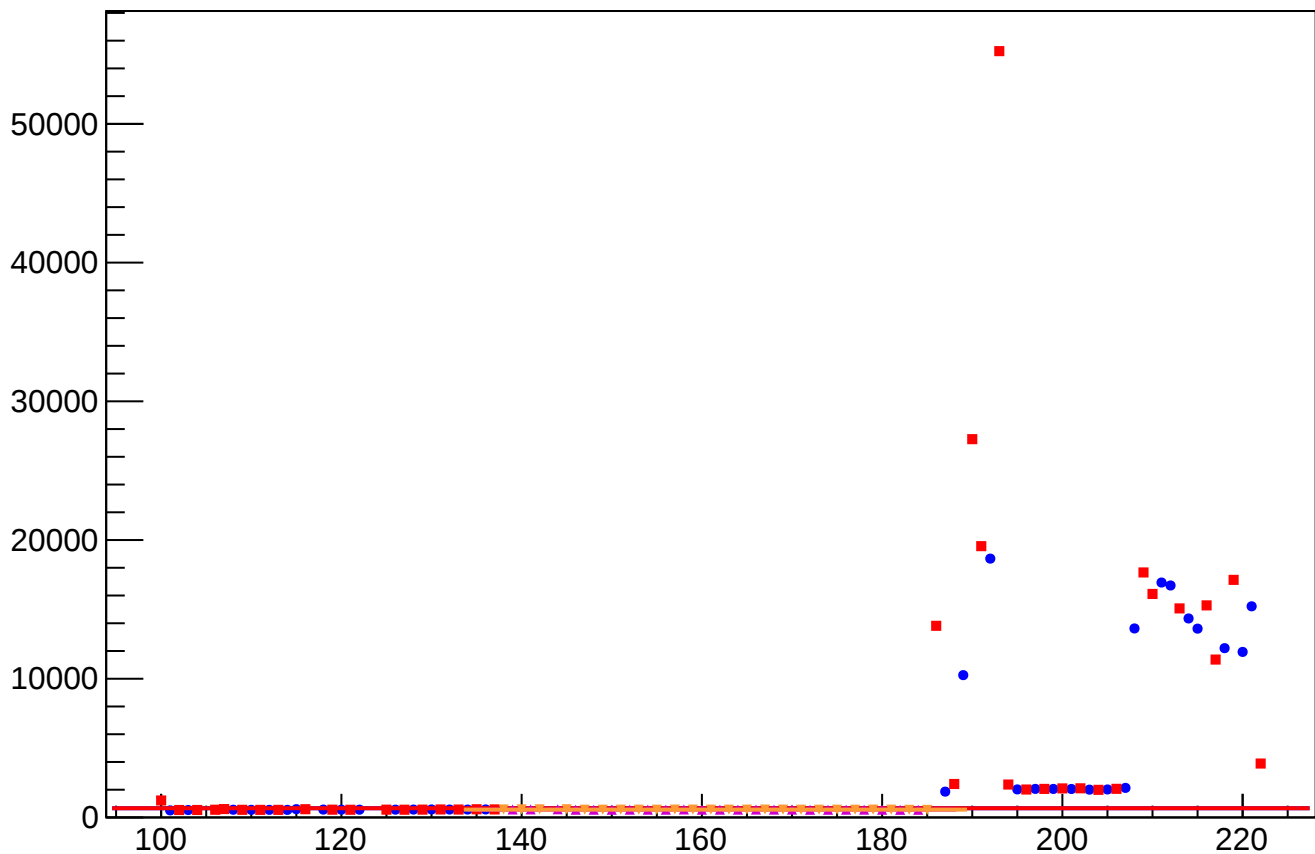
Left In: -974.402 $\pm$ 134.932 χ^2 /NDF:27.4/22

+ sign 778.569 $\pm$ 112.958 χ^2 /NDF: 44.0/57

All: -107.087 $\pm$ 79.901 χ^2 /NDF: 215.3/117

- sign -993.949 $\pm$ 113.035 χ^2 /NDF: 48.3/59

reg_asym_left_avg_rms vs Slug



Right In: 664.072 $\pm$ 0.148 χ^2 /NDF: 15263203.4/33

Left Out: 564.143 $\pm$ 0.095 χ^2 /NDF: 9594.1/23

Right Out: 665.562 $\pm$ 0.146 χ^2 /NDF: 14315613.6/36

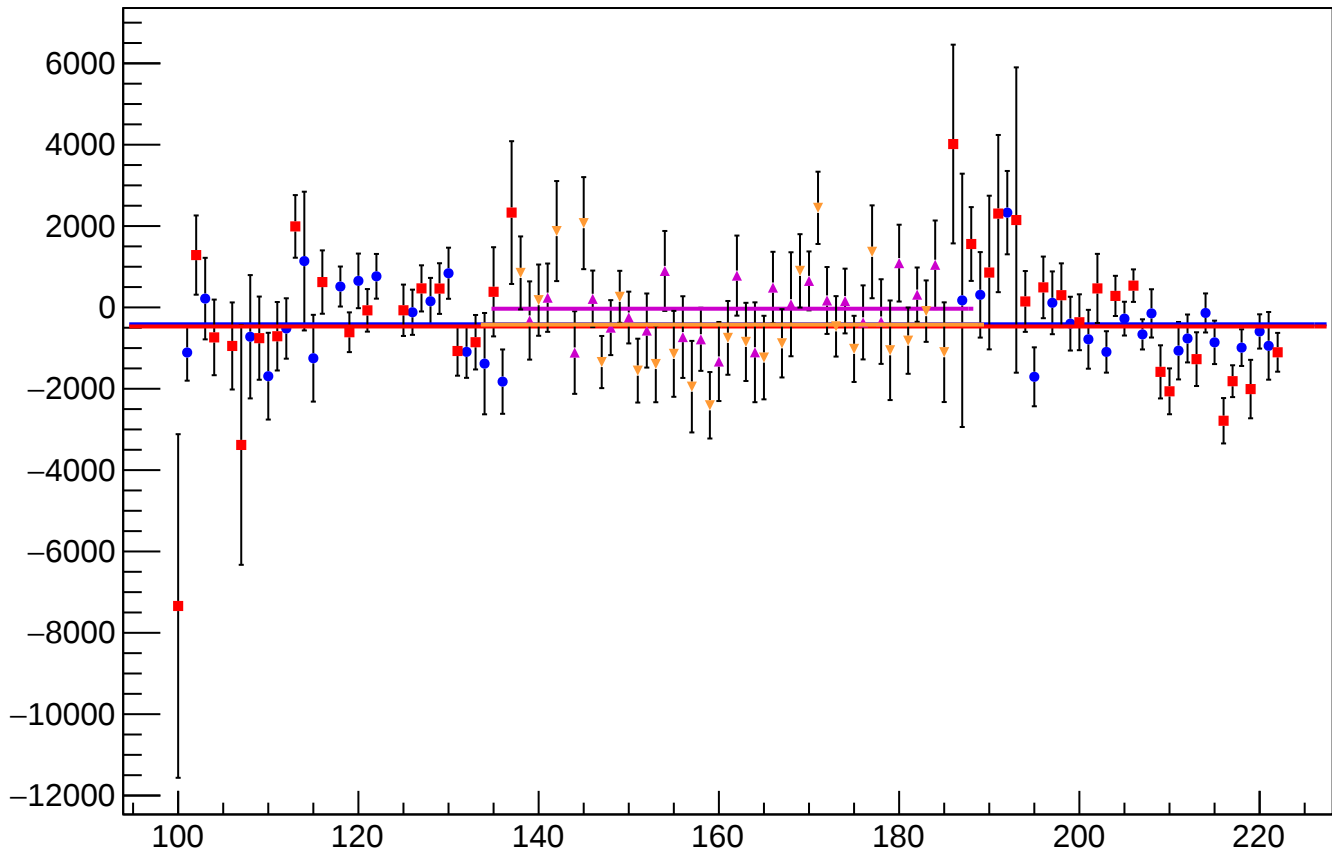
Left In: 564.383 $\pm$ 0.095 χ^2 /NDF: 9209.5/22

+ sign 593.119 $\pm$ 0.080 χ^2 /NDF: 15595051.1/57

All: 593.838 $\pm$ 0.056 χ^2 /NDF: 30255403.8/1

- sign 594.557 $\pm$ 0.080 χ^2 /NDF: 14660190.7/59

asym_left_avg_correction_mean vs Slug



Right In: -415.469 ± 108.571 χ^2/NDF : 43.7/33

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

Right Out: -469.127 ± 114.734 χ^2/NDF : 102.3/36

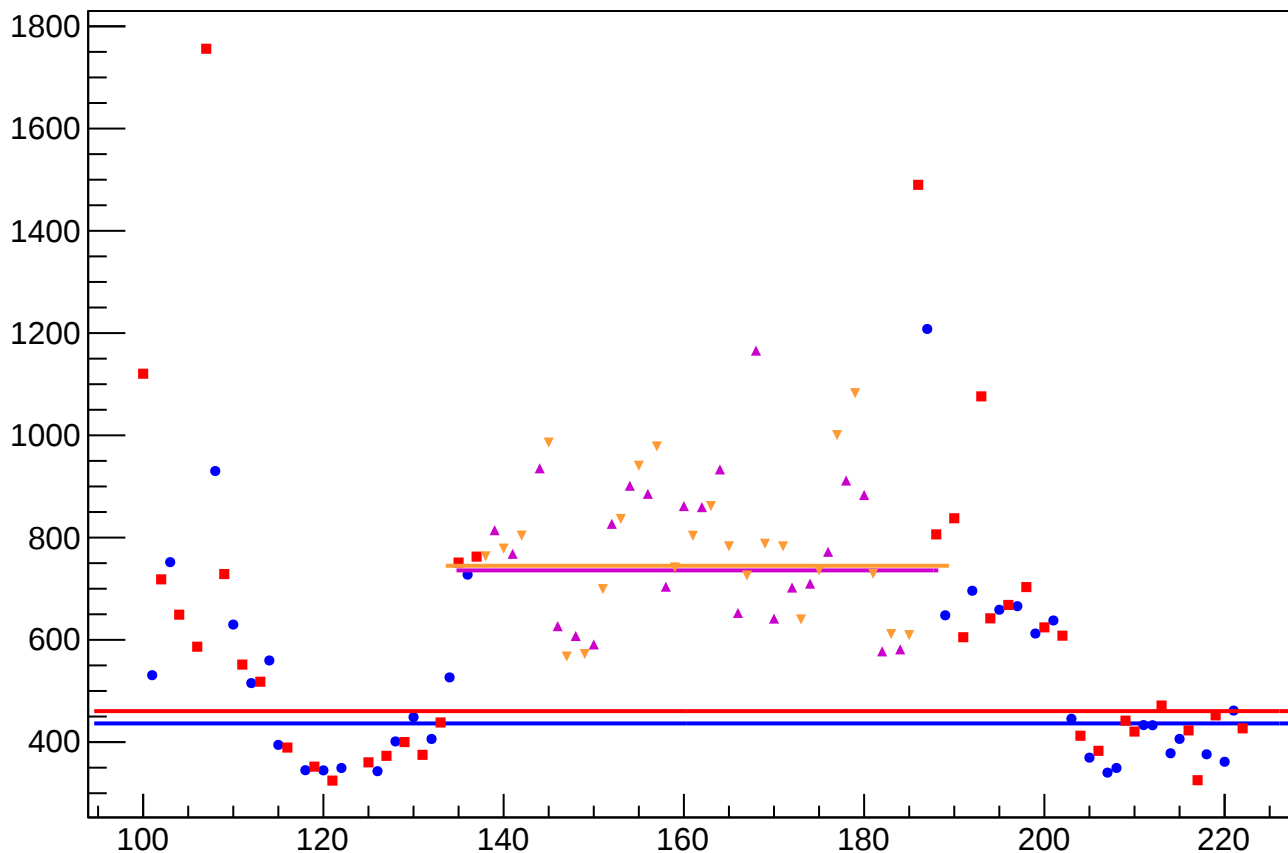
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -417.383 ± 93.052 χ^2/NDF : 87.0/57

All: -381.311 ± 67.038 χ^2/NDF : 205.9/117

- sign -342.386 ± 96.662 χ^2/NDF : 118.7/59

asym_left_avg_correction_rms vs Slug



Right In: 436.516 $\pm$ 0.077 χ^2 /NDF: 2417378.9/33

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

Right Out: 460.583 $\pm$ 0.081 χ^2 /NDF: 3254963.5/36

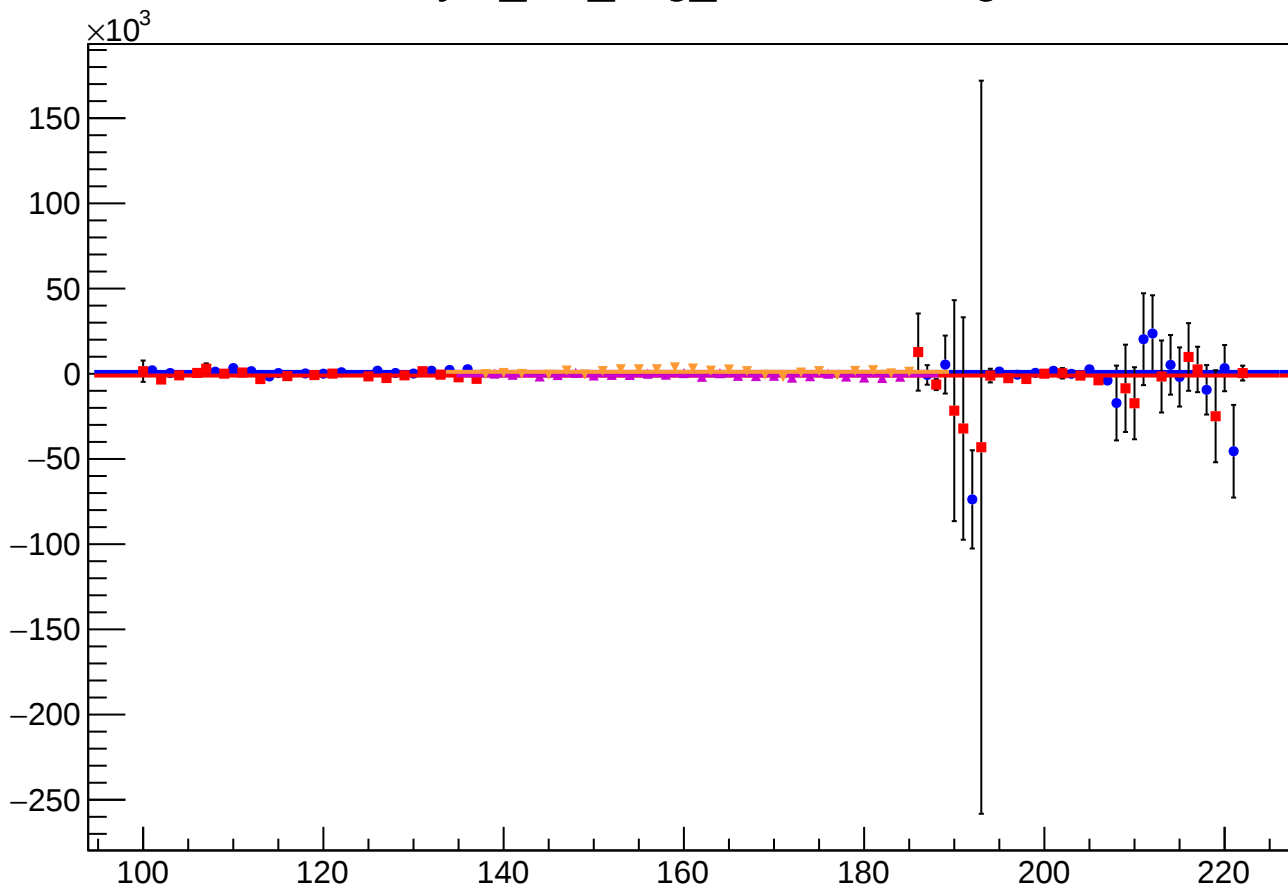
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

+ sign 518.376 $\pm$ 0.066 χ^2 /NDF: 7709587.0/57

All: 529.002 $\pm$ 0.047 χ^2 /NDF: 15465162.8/11

- sign 540.469 $\pm$ 0.068 χ^2 /NDF: 7701346.7/59

asym_left_avg_mean vs Slug



Right In: 1086.861 ± 280.391 χ^2/NDF : 30.4/33

Left Out: 1137.936 ± 228.834 χ^2/NDF : 38.9/23

Right Out: -1055.797 ± 279.667 χ^2/NDF : 31.7/36

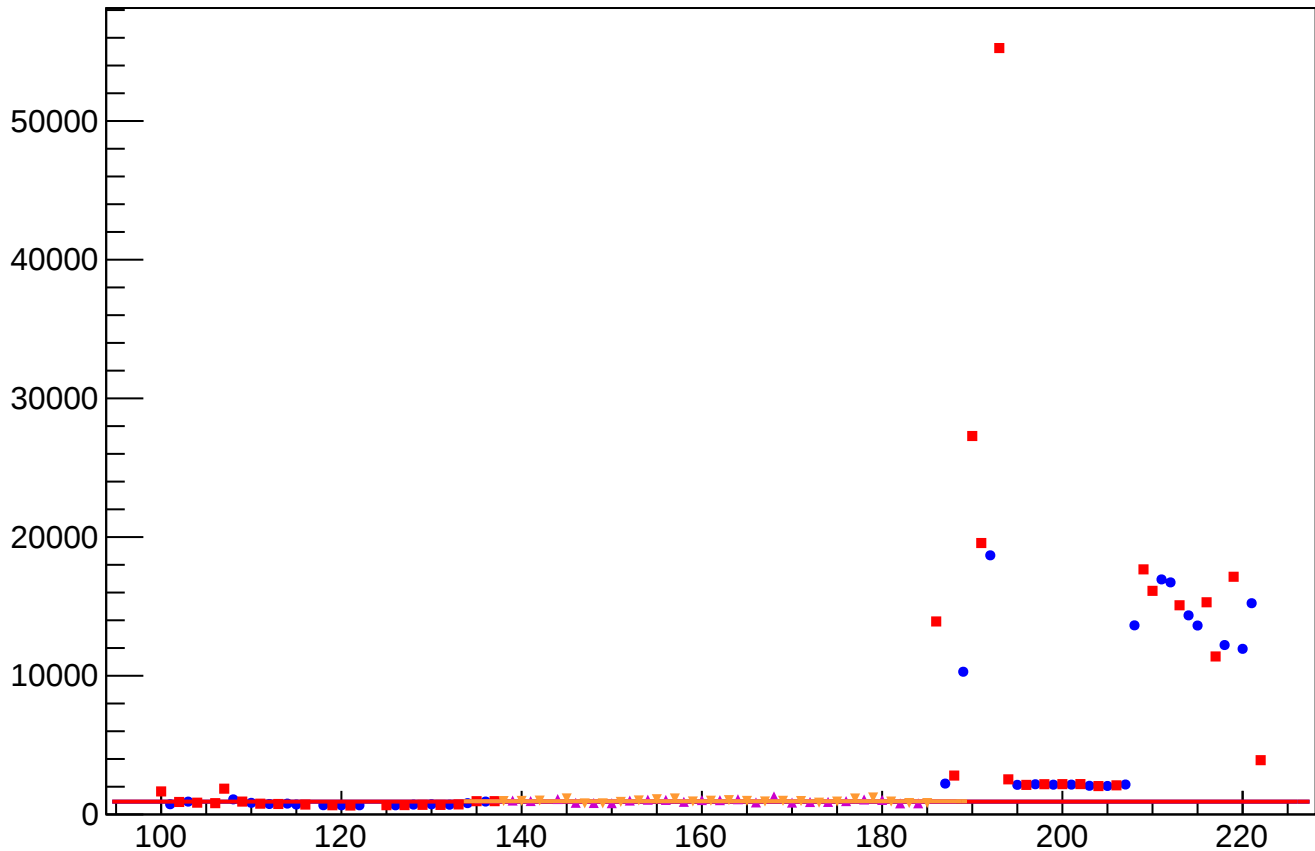
Left In: -941.702 ± 228.324 χ^2/NDF : 14.8/22

+ sign 1117.517 ± 177.286 χ^2/NDF : 69.3/57

All: 62.595 ± 125.212 χ^2/NDF : 186.5/117

- sign -987.334 ± 176.866 χ^2/NDF : 46.6/59

asym_left_avg_rms vs Slug



Right In: 920.817+/-0.198 χ^2/NDF : 13722555.9/33

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

Right Out: 926.535+/-0.198 χ^2/NDF : 13092565.9/36

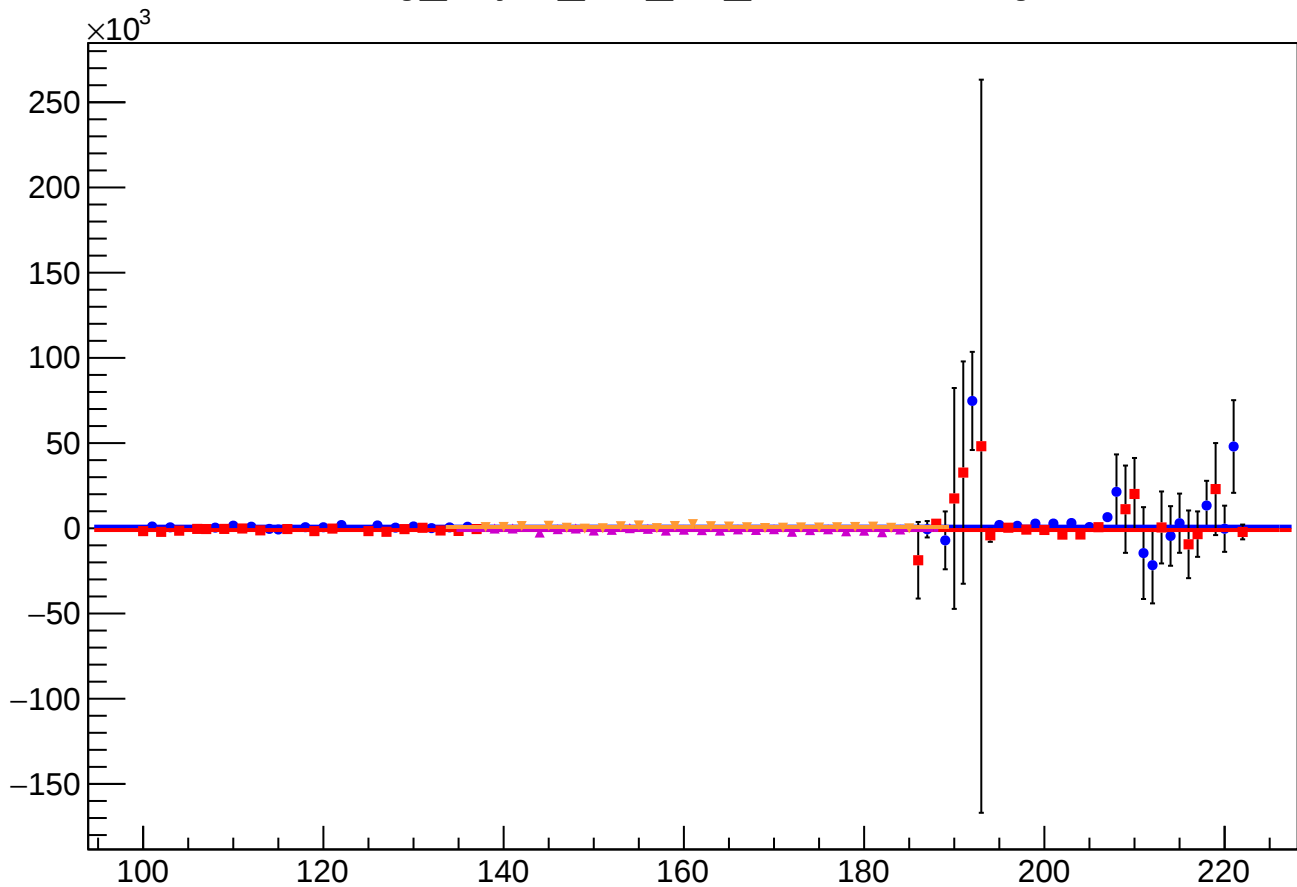
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 940.934+/-0.125 χ^2/NDF : 14199856.5/57

All: 939.744+/-0.089 χ^2/NDF : 27800129.9/1

- sign 938.559+/-0.125 χ^2/NDF : 13600093.5/59

reg_asym_left_dd_mean vs Slug



Right In: 962.182 ± 209.639 χ^2/NDF : 27.5/33

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

Right Out: -1017.684 ± 202.392 χ^2/NDF : 21.1/36

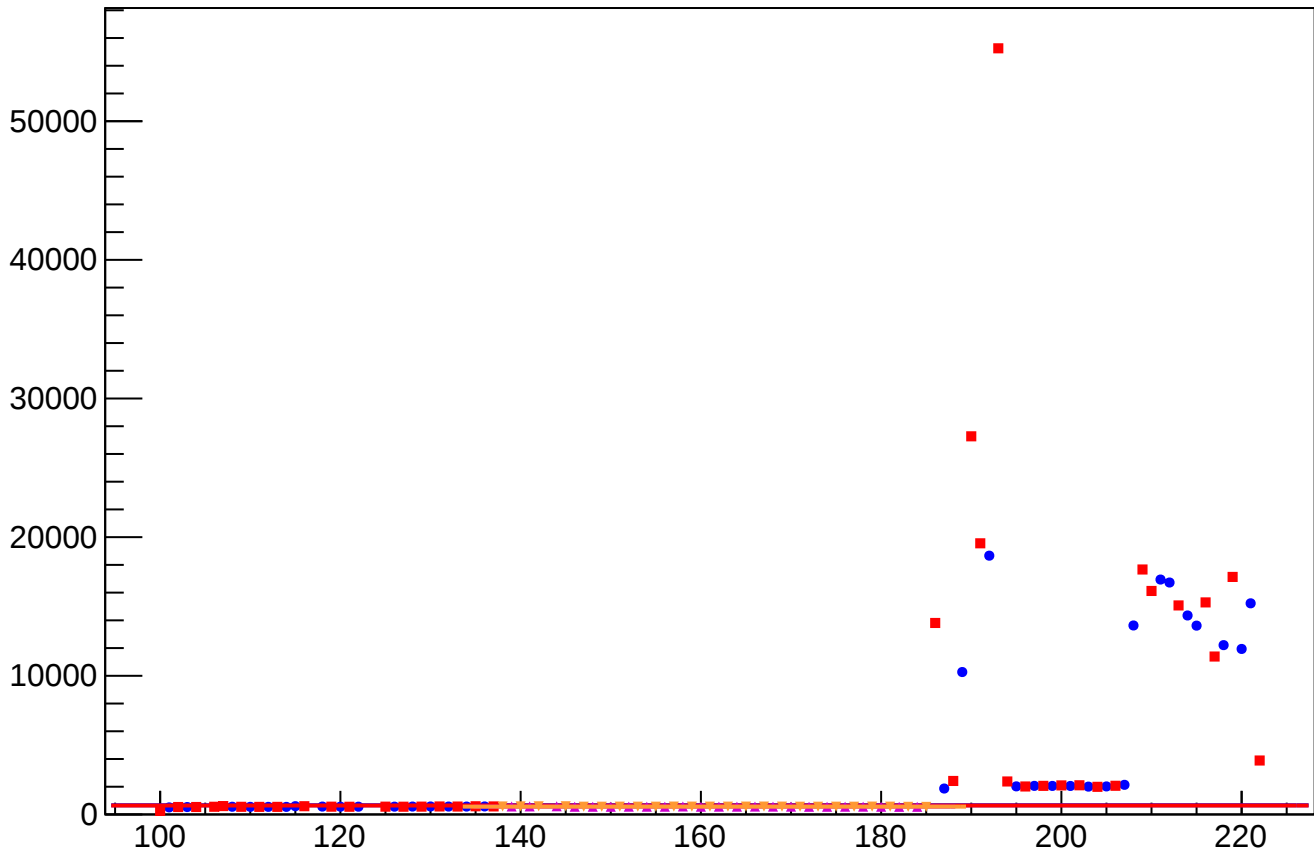
Left In: -958.517 ± 134.824 χ^2/NDF : 26.8/22

+ sign 816.935 ± 112.871 χ^2/NDF : 49.2/57

All: -85.175 ± 79.576 χ^2/NDF : 224.3/117

- sign -976.703 ± 112.207 χ^2/NDF : 48.0/59

reg_asym_left_dd_rms vs Slug



Right In: 663.429+/-0.148 χ^2/NDF : 15278025.6/33

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

Right Out: 645.554+/-0.143 χ^2/NDF : 14648541.4/36

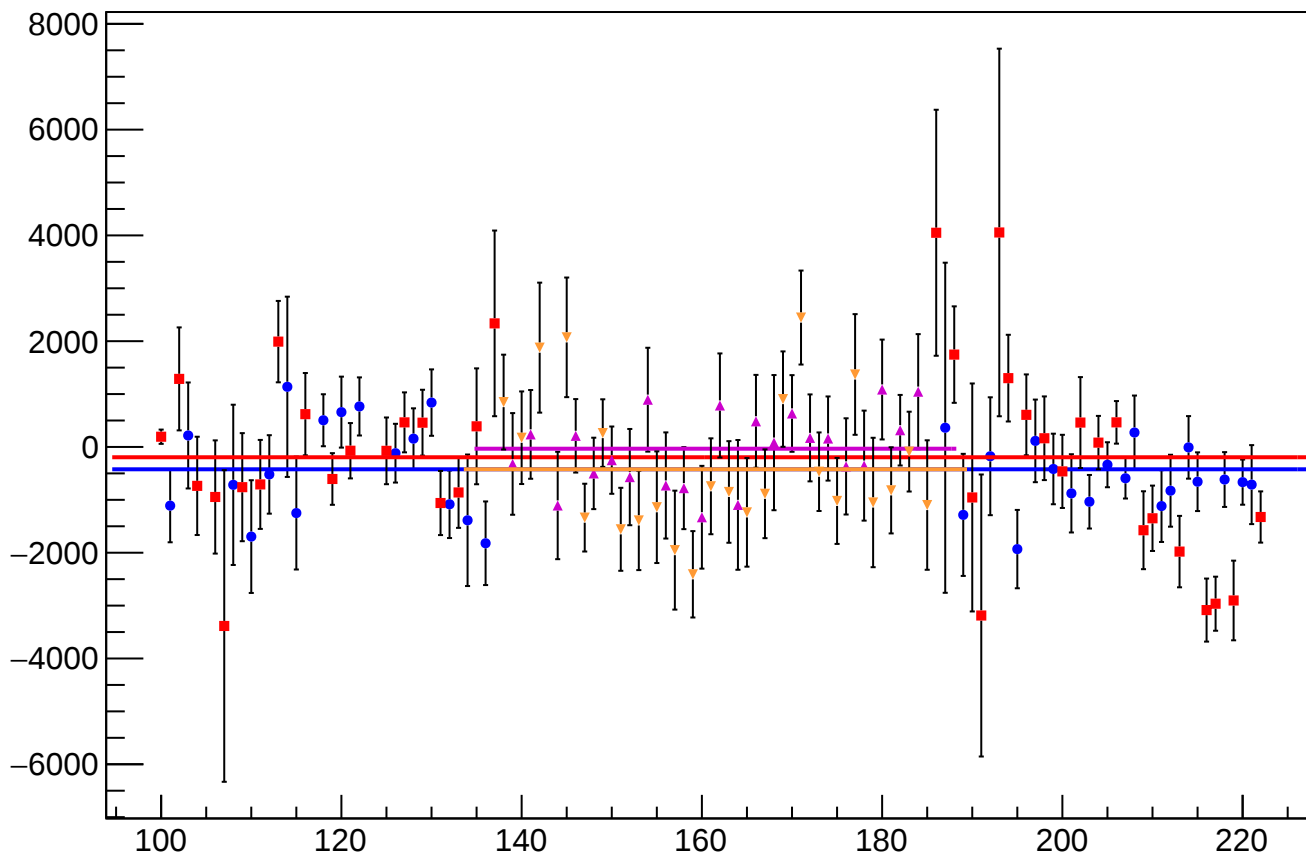
Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

+ sign 592.591+/-0.080 χ^2/NDF : 15609140.8/57

All: 590.796+/-0.056 χ^2/NDF : 30493185.7/11

- sign 589.021+/-0.079 χ^2/NDF : 14883038.5/59

asym_left_dd_correction_mean vs Slug



Right In: -422.571 ± 112.137 χ^2/NDF : 36.4/33

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

Right Out: -194.958 ± 89.284 χ^2/NDF : 135.4/36

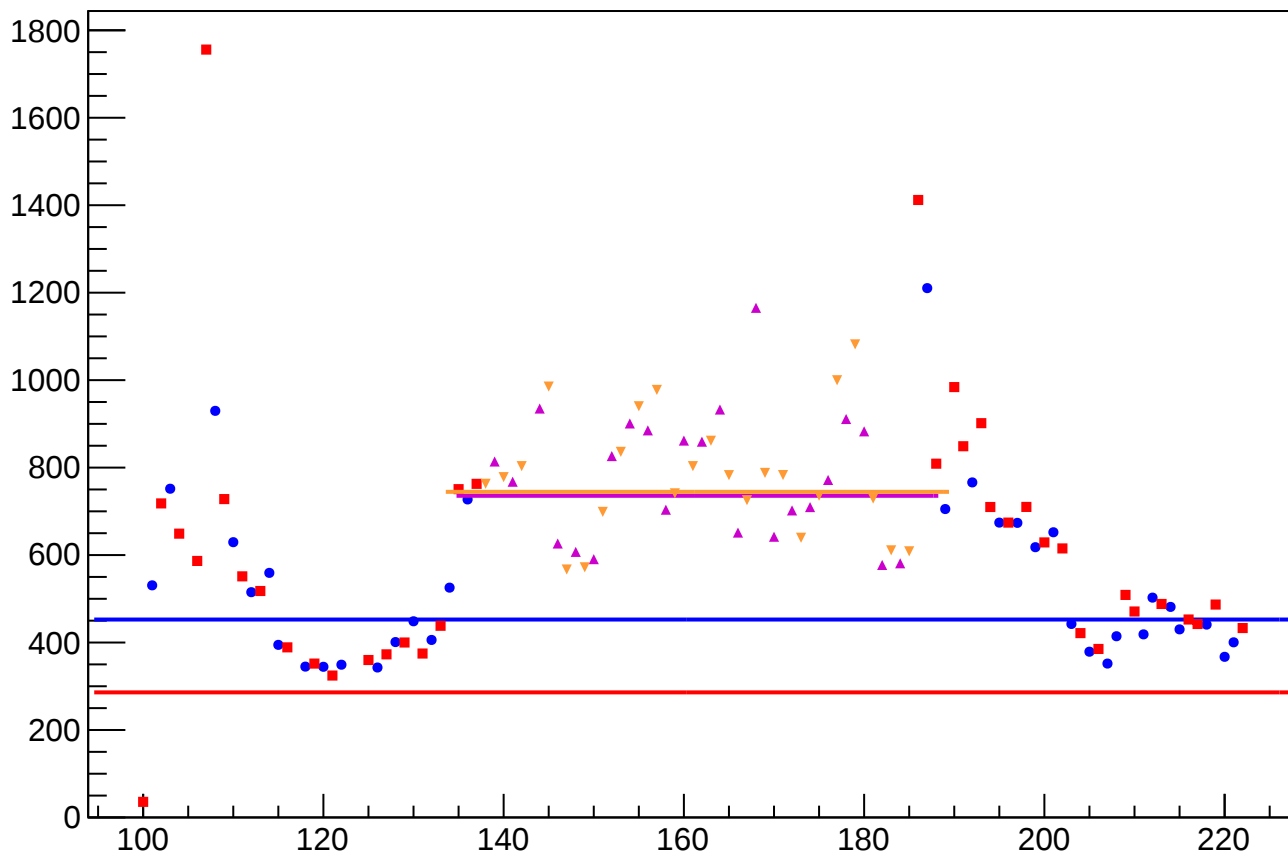
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -422.502 ± 95.256 χ^2/NDF : 79.6/57

All: -270.135 ± 61.229 χ^2/NDF : 232.1/117

- sign -162.859 ± 79.928 χ^2/NDF : 148.1/59

asym_left_dd_correction_rms vs Slug



Right In: 452.586+/-0.079 χ^2/NDF : 2355455.8/33

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

Right Out: 286.001+/-0.063 χ^2/NDF : 15242461.3/36

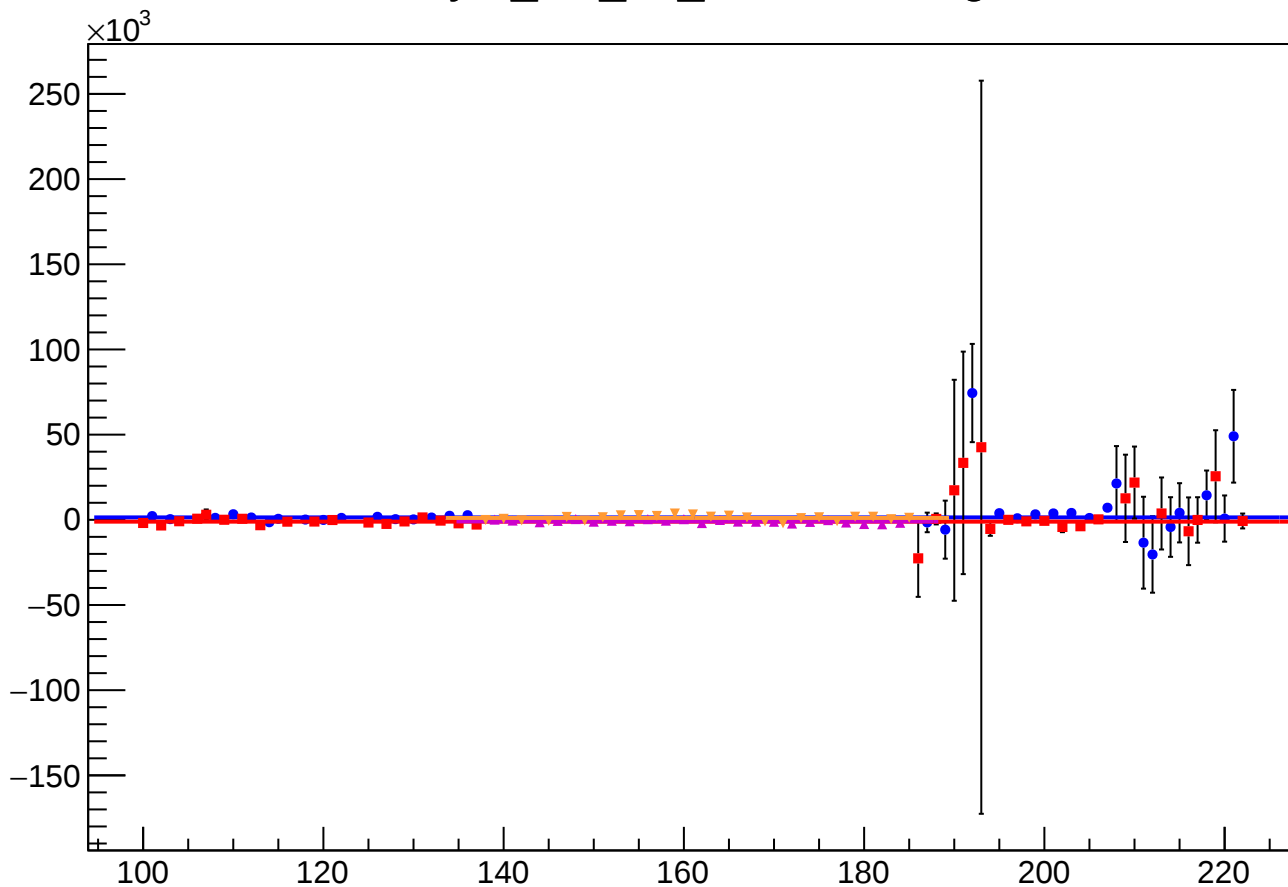
Left In: 735.543+/-0.127 χ^2/NDF : 1105222.3/22

+ sign 533.884+/-0.067 χ^2/NDF : 7140918.9/57

All: 440.808+/-0.043 χ^2/NDF : 36811632.4/11

- sign 375.278+/-0.057 χ^2/NDF : 26416859.4/59

asym_left_dd_mean vs Slug



Right In: 1416.432 $\pm$ 280.295 χ^2 /NDF: 35.0/33

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

Right Out: -1066.074 $\pm$ 268.851 χ^2 /NDF: 30.6/36

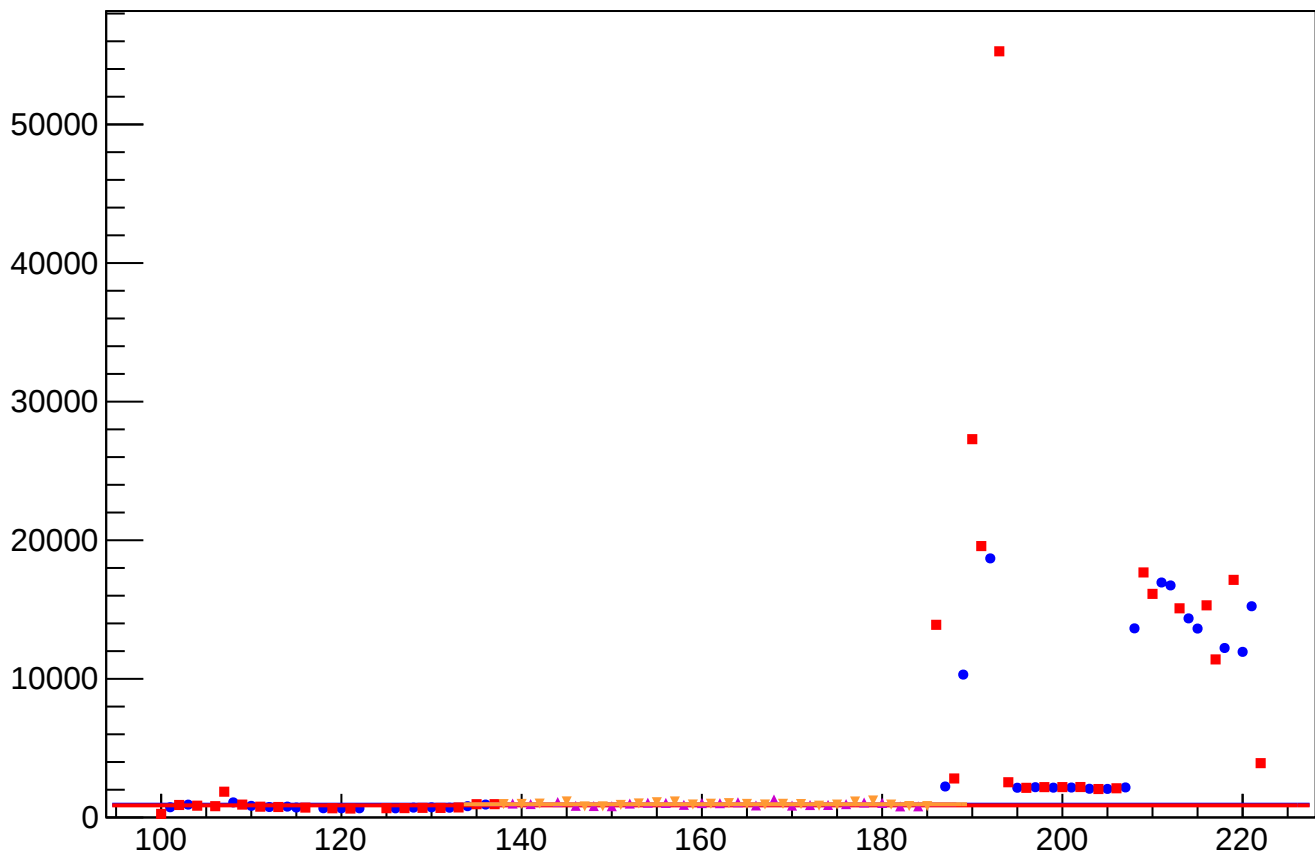
Left In: -926.281 $\pm$ 228.196 χ^2 /NDF: 15.1/22

+ sign 1229.555 $\pm$ 177.200 χ^2 /NDF: 74.0/57

All: 102.042 $\pm$ 124.144 χ^2 /NDF: 199.3/117

- sign -984.819 $\pm$ 173.976 χ^2 /NDF: 45.9/59

asym_left_dd_rms vs Slug



Right In: 920.056 $\pm$ 0.198 χ^2 /NDF: 13744545.2/33

Left Out: 953.781 $\pm$ 0.162 χ^2 /NDF: 460211.0/23

Right Out: 872.933 $\pm$ 0.190 χ^2 /NDF: 13962226.3/36

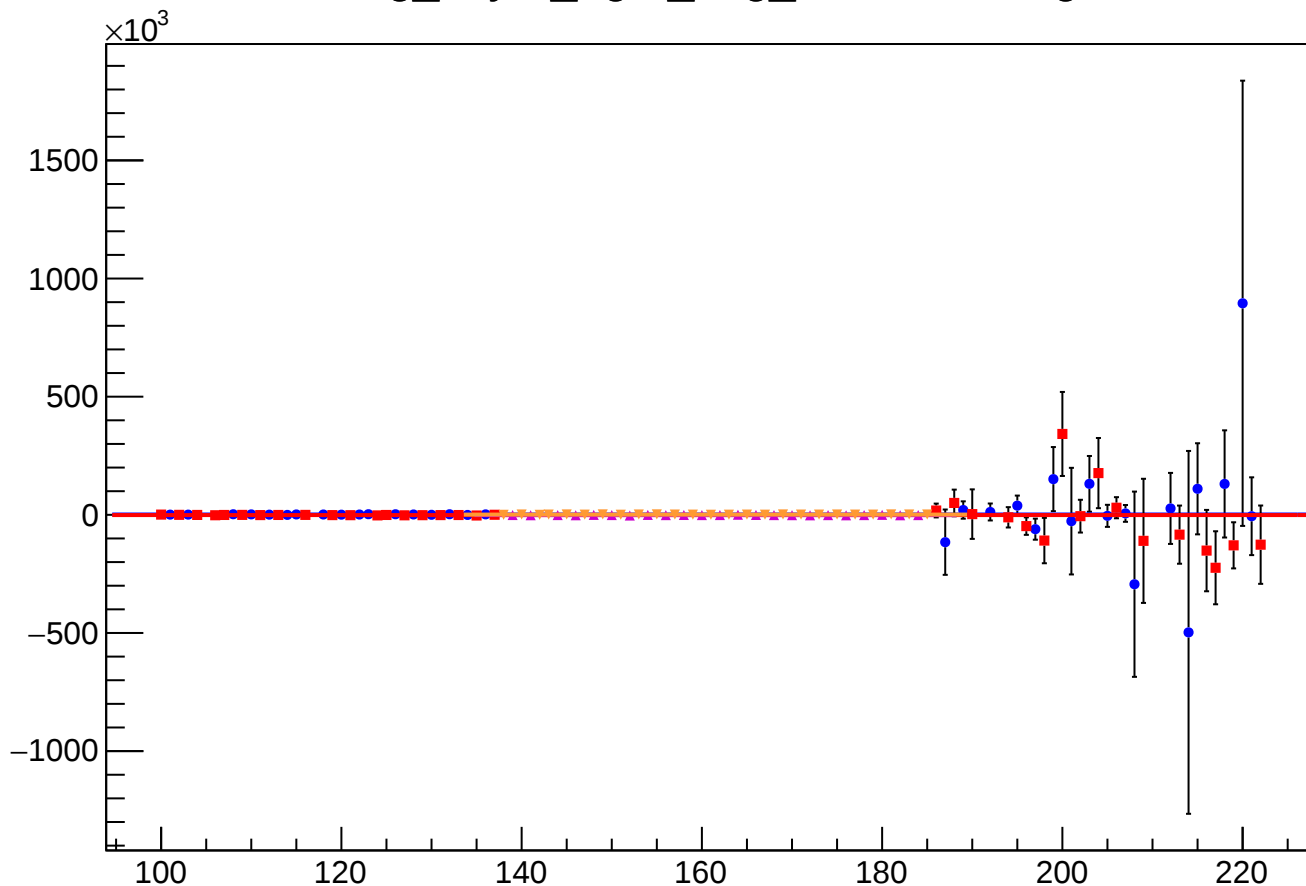
Left In: 946.041 $\pm$ 0.161 χ^2 /NDF: 501442.7/22

+ sign 940.302 $\pm$ 0.125 χ^2 /NDF: 14222137.8/57

All: 927.636 $\pm$ 0.088 χ^2 /NDF: 28791837.2/11

- sign 915.427 $\pm$ 0.123 χ^2 /NDF: 14549630.2/59

reg_asym_right_avg_mean vs Slug



Right In: 1325.412+/-218.578 χ^2/NDF : 21.6/33

Left Out: 1073.626+/-129.690 χ^2/NDF :15.1/24

Right Out: -1041.304+/-212.060 χ^2/NDF : 29.1/34

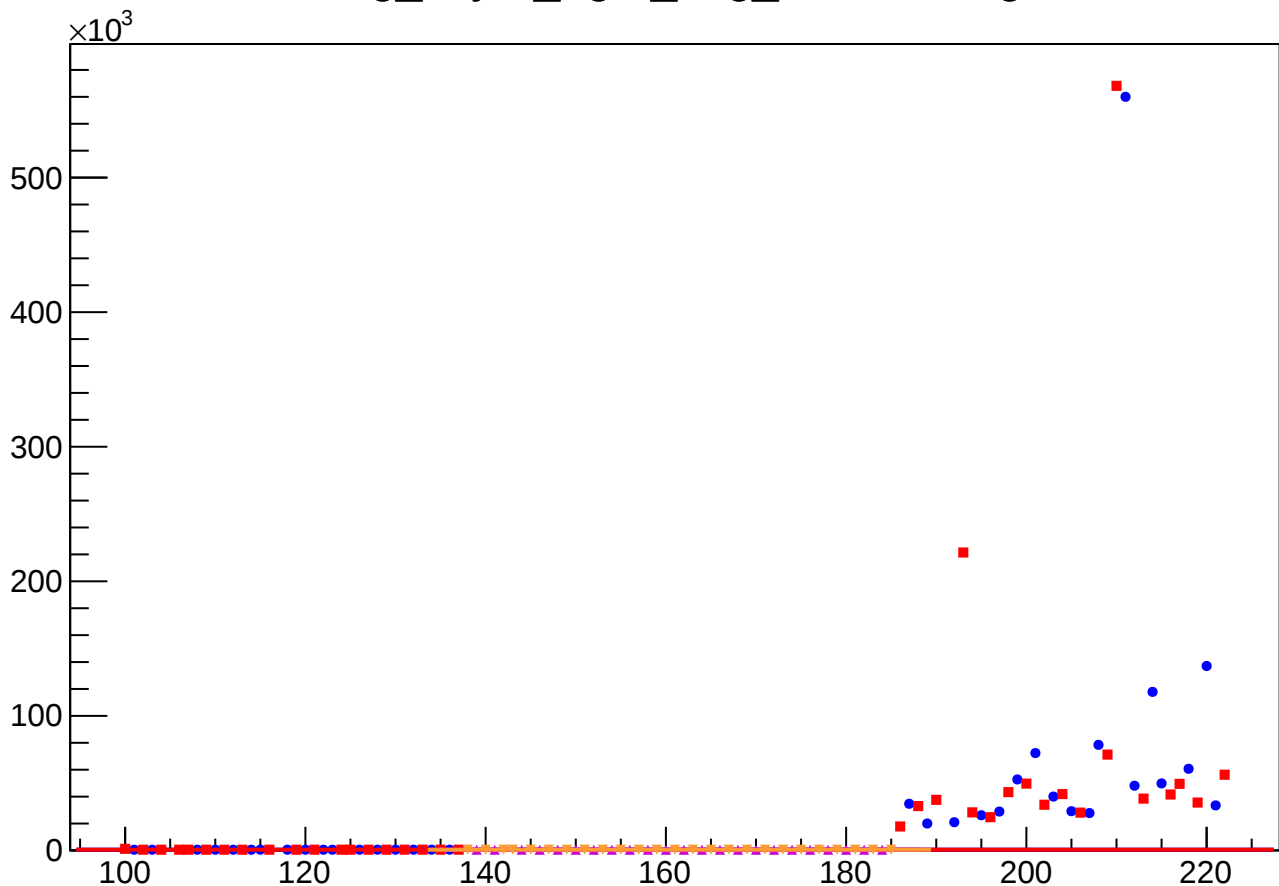
Left In: -1123.857+/-133.163 χ^2/NDF :30.0/22

+ sign 1139.185+/-111.535 χ^2/NDF : 37.7/58

All: 31.696+/-79.301 χ^2/NDF : 296.3/116

- sign -1100.510+/-112.772 χ^2/NDF : 59.2/57

reg_asym_right_avg_rms vs Slug



Right In: 568.860 $\pm$ 0.155 χ^2 /NDF: 6613116.0/34

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

Right Out: 570.302 $\pm$ 0.150 χ^2 /NDF: 6779445.4/36

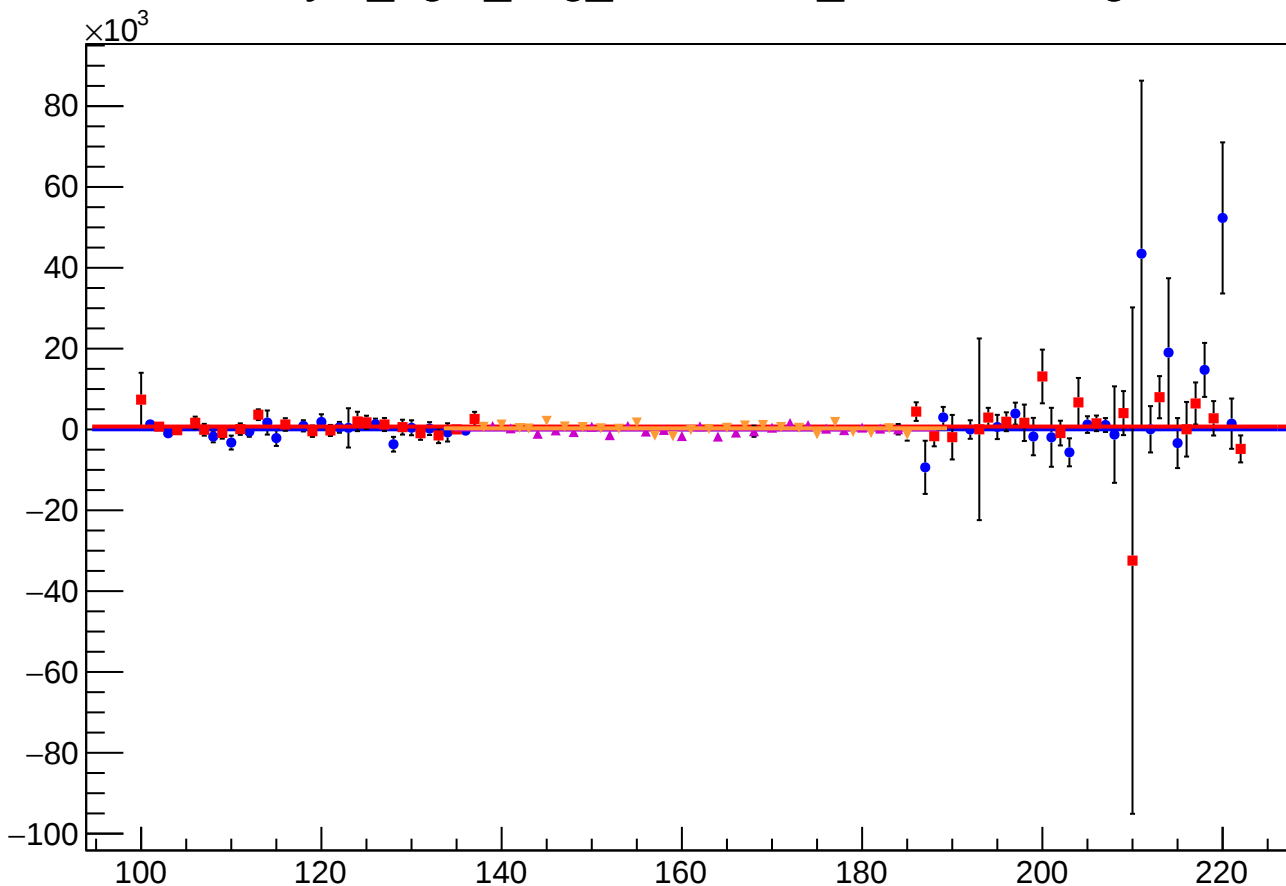
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 560.483 $\pm$ 0.079 χ^2 /NDF: 6631840.3/59

All: 560.610 $\pm$ 0.056 χ^2 /NDF: 13428170.5/11

- sign 560.739 $\pm$ 0.080 χ^2 /NDF: 6796324.9/59

asym_right_avg_correction_mean vs Slug



Right In: 39.263 ± 305.285 χ^2/NDF : 41.4/34

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

Right Out: 721.007 ± 308.524 χ^2/NDF : 31.4/36

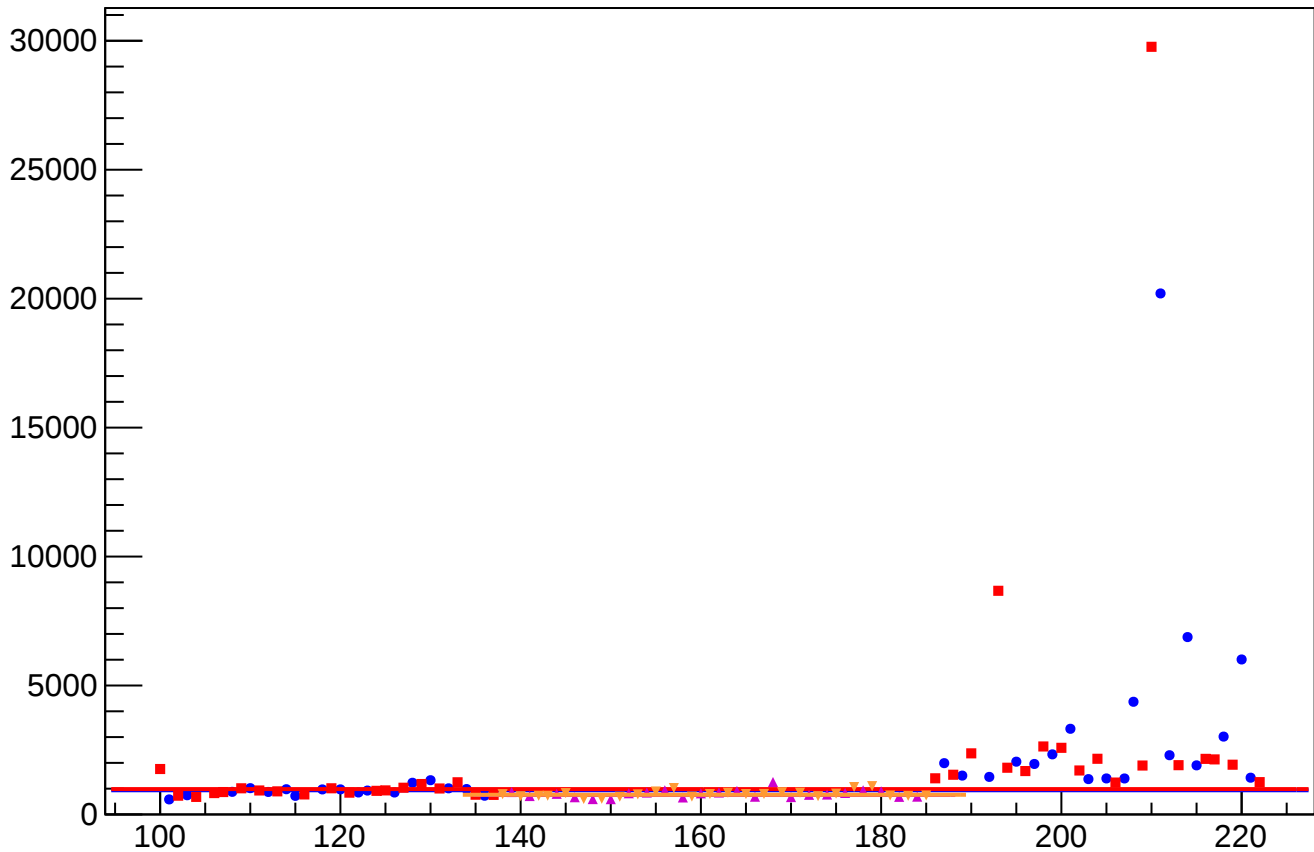
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 219.072 ± 155.325 χ^2/NDF : 68.6/59

All: 206.866 ± 110.640 χ^2/NDF : 124.1/119

- sign 194.294 ± 157.638 χ^2/NDF : 55.5/59

asym_right_avg_correction_rms vs Slug



Right In: 938.026+/-0.216 χ^2/NDF : 3631369.2/34

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

Right Out: 983.745+/-0.218 χ^2/NDF : 3027713.9/36

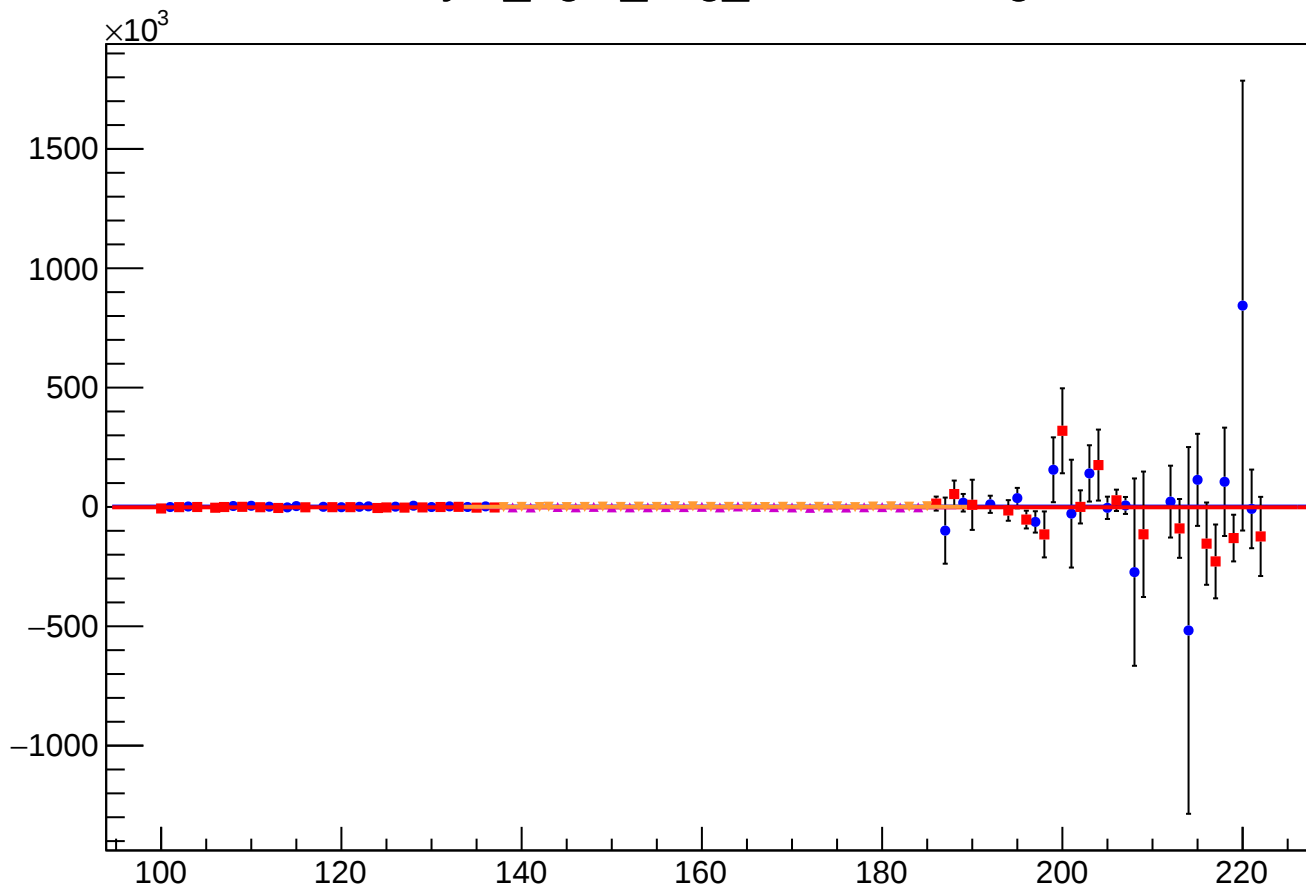
Left In: 754.099+/-0.130 χ^2/NDF : 931829.3/22

+ sign 808.371+/-0.110 χ^2/NDF : 4871820.0/59

All: 811.169+/-0.078 χ^2/NDF : 9651491.2/119

- sign 814.051+/-0.111 χ^2/NDF : 4778353.8/59

asym_right_avg_mean vs Slug



Right In: 1501.922 $\pm$ 402.532 χ^2 /NDF: 25.7/33

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

Right Out: -1492.074 $\pm$ 400.589 χ^2 /NDF: 27.7/34

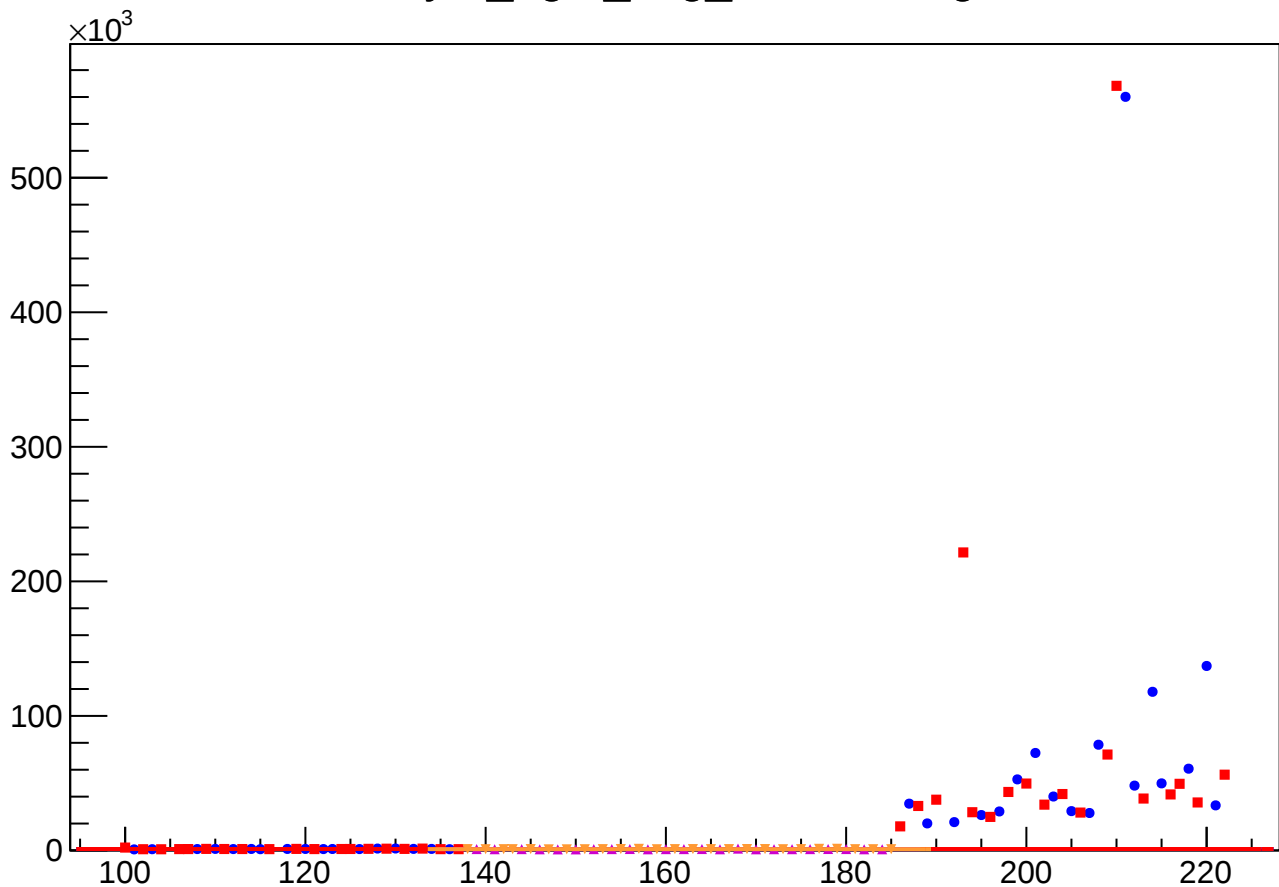
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 921.767 $\pm$ 196.756 χ^2 /NDF: 49.9/58

All: -132.164 $\pm$ 140.089 χ^2 /NDF: 161.8/116

- sign -1215.735 $\pm$ 199.504 χ^2 /NDF: 53.7/57

asym_right_avg_rms vs Slug



Right In: 1039.764 $\pm$ 0.285 χ^2 /NDF: 6735852.5/34

Left Out: 962.256 $\pm$ 0.159 χ^2 /NDF: 362937.6/24

Right Out: 1075.286 $\pm$ 0.283 χ^2 /NDF: 6751506.9/36

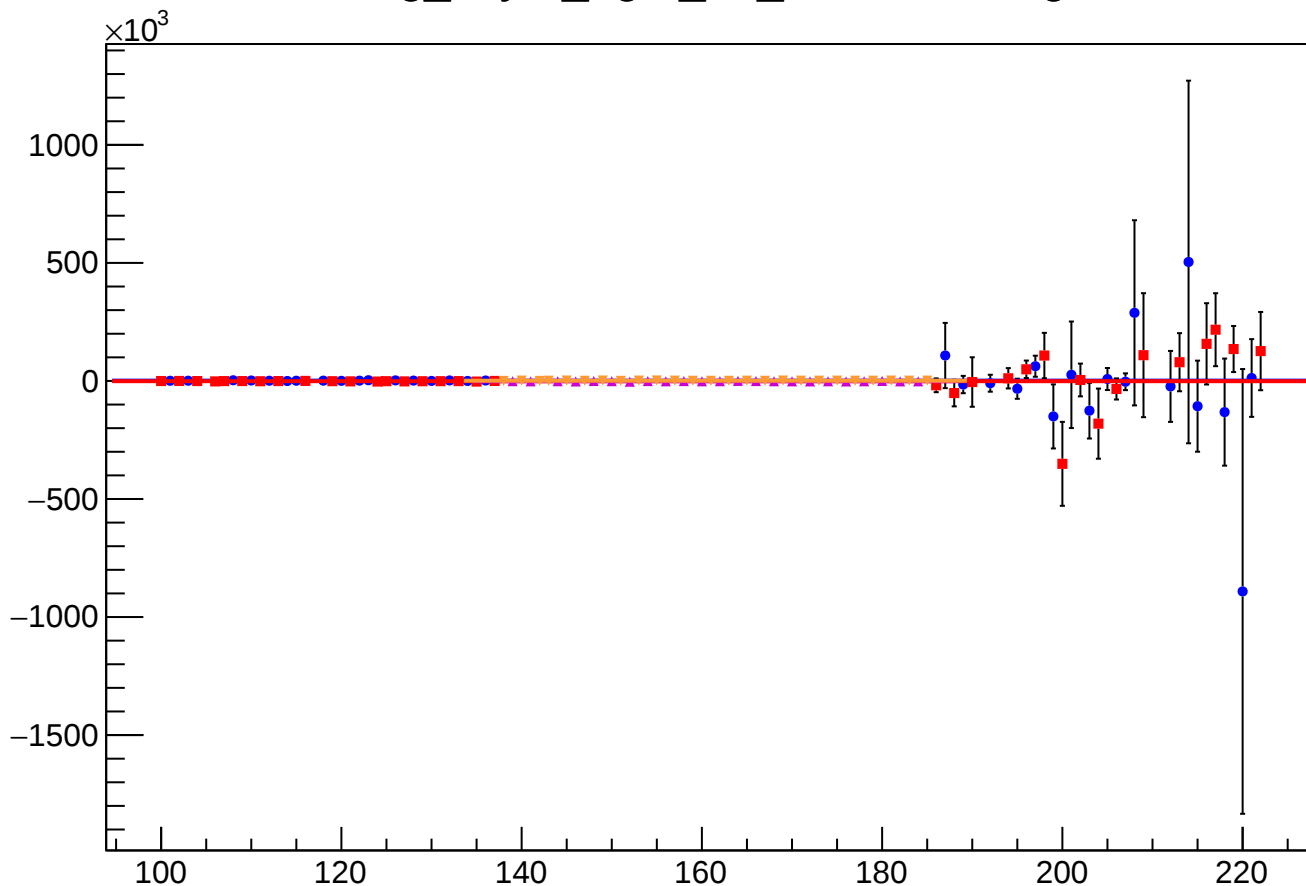
Left In: 954.643 $\pm$ 0.163 χ^2 /NDF: 443395.0/22

+ sign 980.774 $\pm$ 0.139 χ^2 /NDF: 7155226.7/59

All: 982.644 $\pm$ 0.099 χ^2 /NDF: 14486902.2/11

- sign 984.567 $\pm$ 0.141 χ^2 /NDF: 7331309.2/59

reg_asym_right_dd_mean vs Slug



Right In: 1344.185 ± 218.833 $\chi^2/\text{NDF}: 20.4/33$

Left Out: 1087.627 ± 129.821 $\chi^2/\text{NDF}: 14.9/24$

Right Out: -964.377 ± 208.596 $\chi^2/\text{NDF}: 28.4/34$

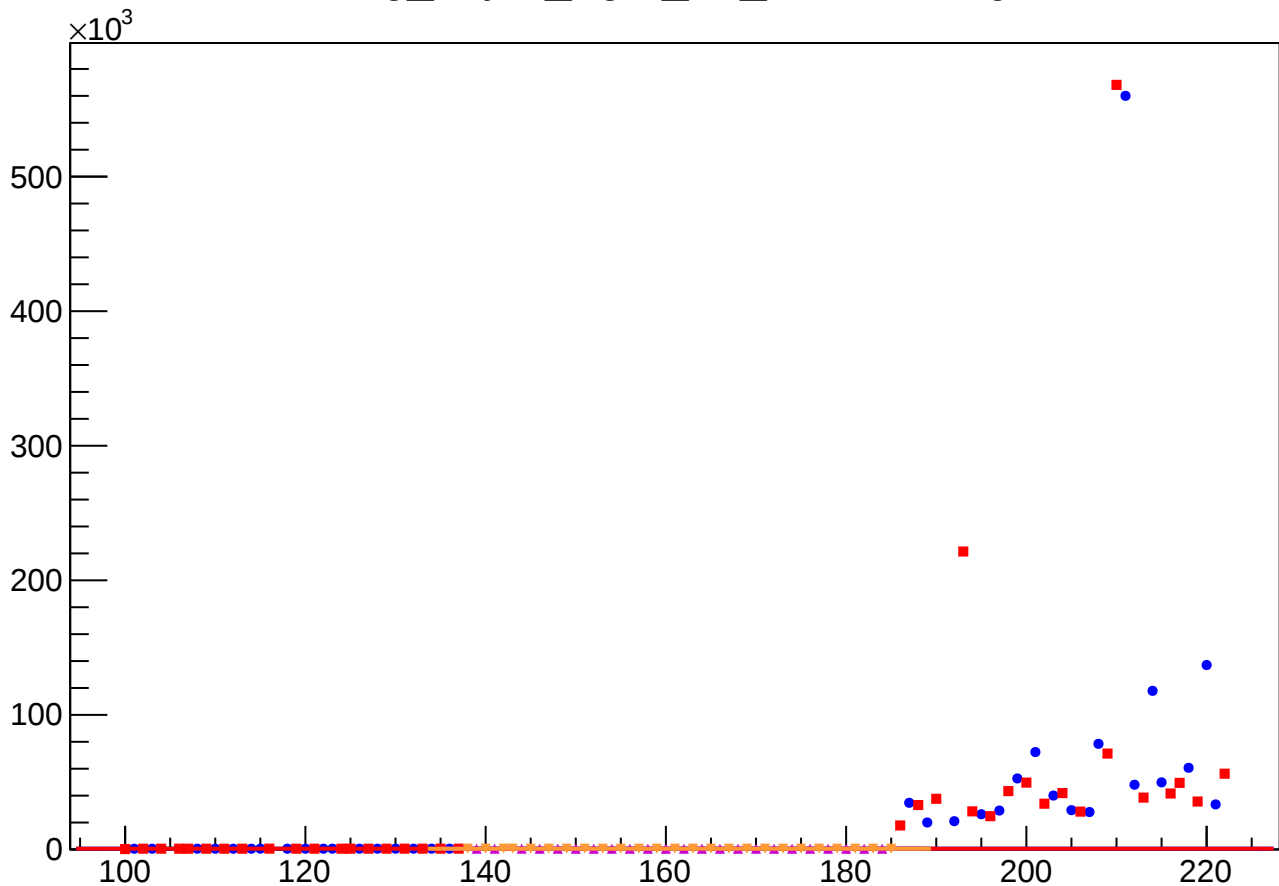
Left In: -1189.481 ± 133.313 $\chi^2/\text{NDF}: 32.2/22$

+ sign 1154.414 ± 111.652 $\chi^2/\text{NDF}: 36.4/58$

All: 22.021 ± 79.189 $\chi^2/\text{NDF}: 304.8/116$

- sign -1124.201 ± 112.332 $\chi^2/\text{NDF}: 61.4/57$

reg_asym_right_dd_rms vs Slug



Right In: 569.524 $\pm$ 0.155 χ^2/NDF : 6613284.2/34

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

Right Out: 559.276 $\pm$ 0.147 χ^2/NDF : 6867733.7/36

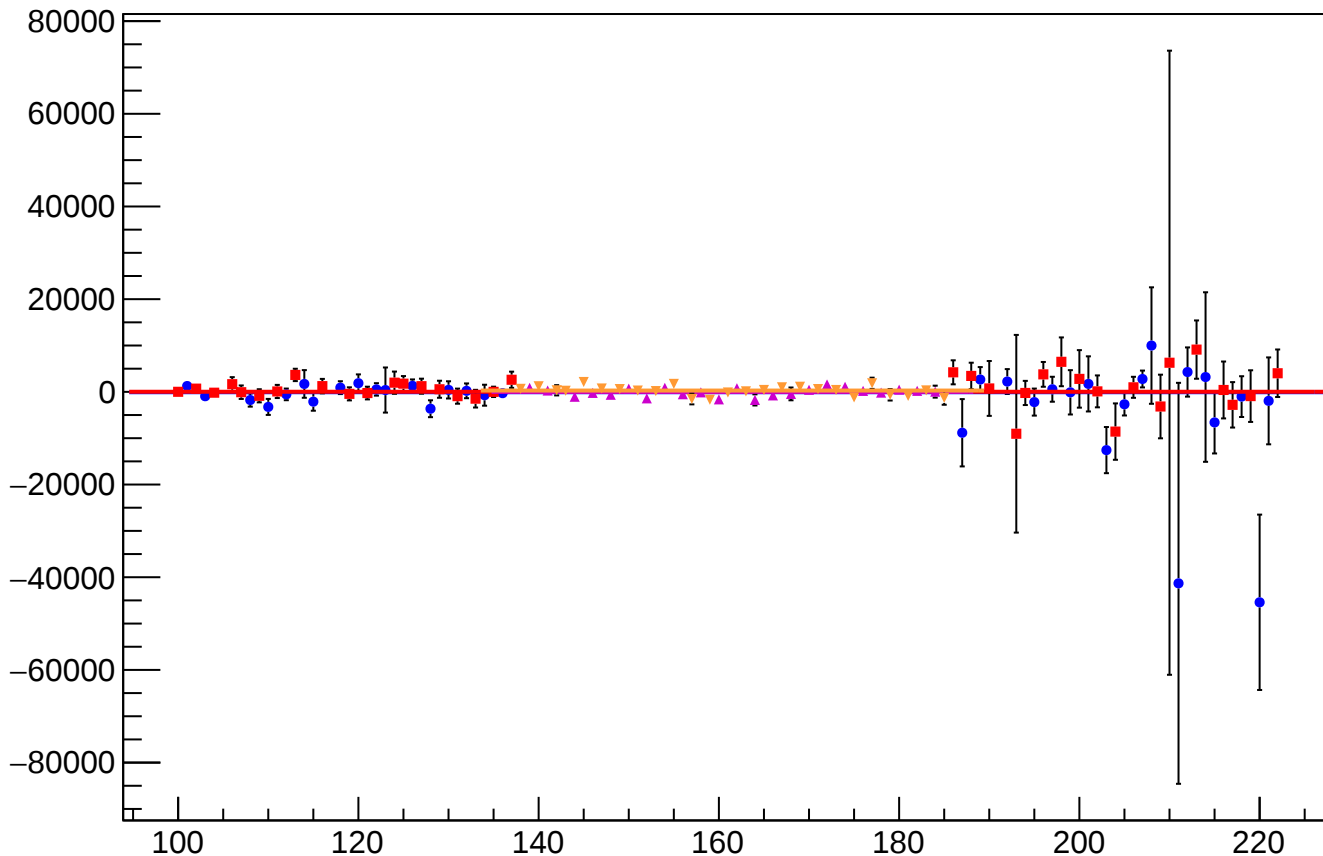
Left In: 557.597 $\pm$ 0.094 χ^2/NDF : 11276.8/22

+ sign 561.073 $\pm$ 0.079 χ^2/NDF : 6632101.7/59

All: 559.588 $\pm$ 0.056 χ^2/NDF : 13511916.8/131

- sign 558.084 $\pm$ 0.079 χ^2/NDF : 6879102.6/59

asym_right_dd_correction_mean vs Slug



Right In: -80.519 ± 307.930 χ^2/NDF : 39.9/34

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

Right Out: 23.075 ± 38.921 χ^2/NDF : 29.3/36

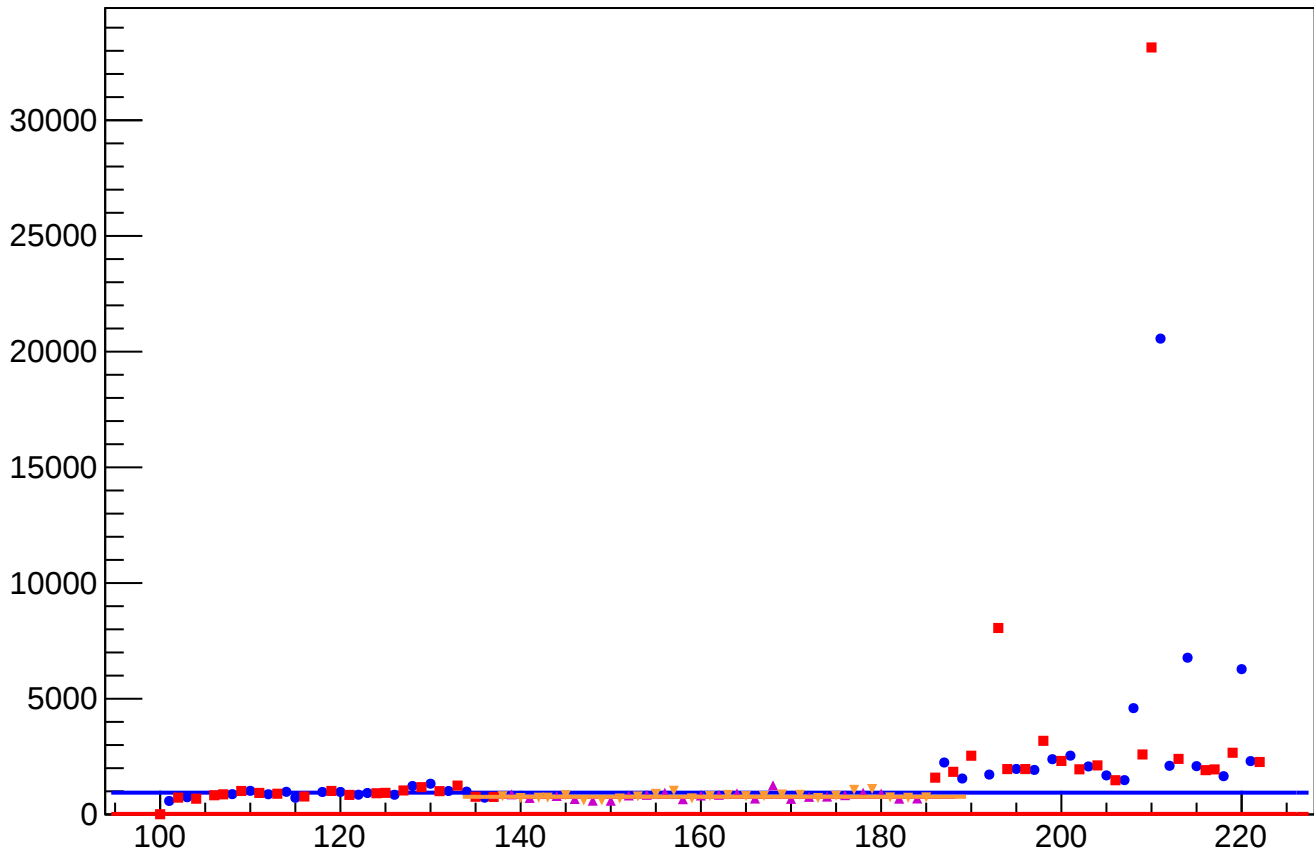
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 188.865 ± 155.705 χ^2/NDF : 67.7/59

All: 31.788 ± 36.984 χ^2/NDF : 118.2/119

- sign 22.396 ± 38.074 χ^2/NDF : 49.4/59

asym_right_dd_correction_rms vs Slug



Right In: 942.088 $\pm$ 0.218 χ^2 /NDF: 3724968.1/34

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

Right Out: 25.109 $\pm$ 0.028 χ^2 /NDF: 22928005.0/36

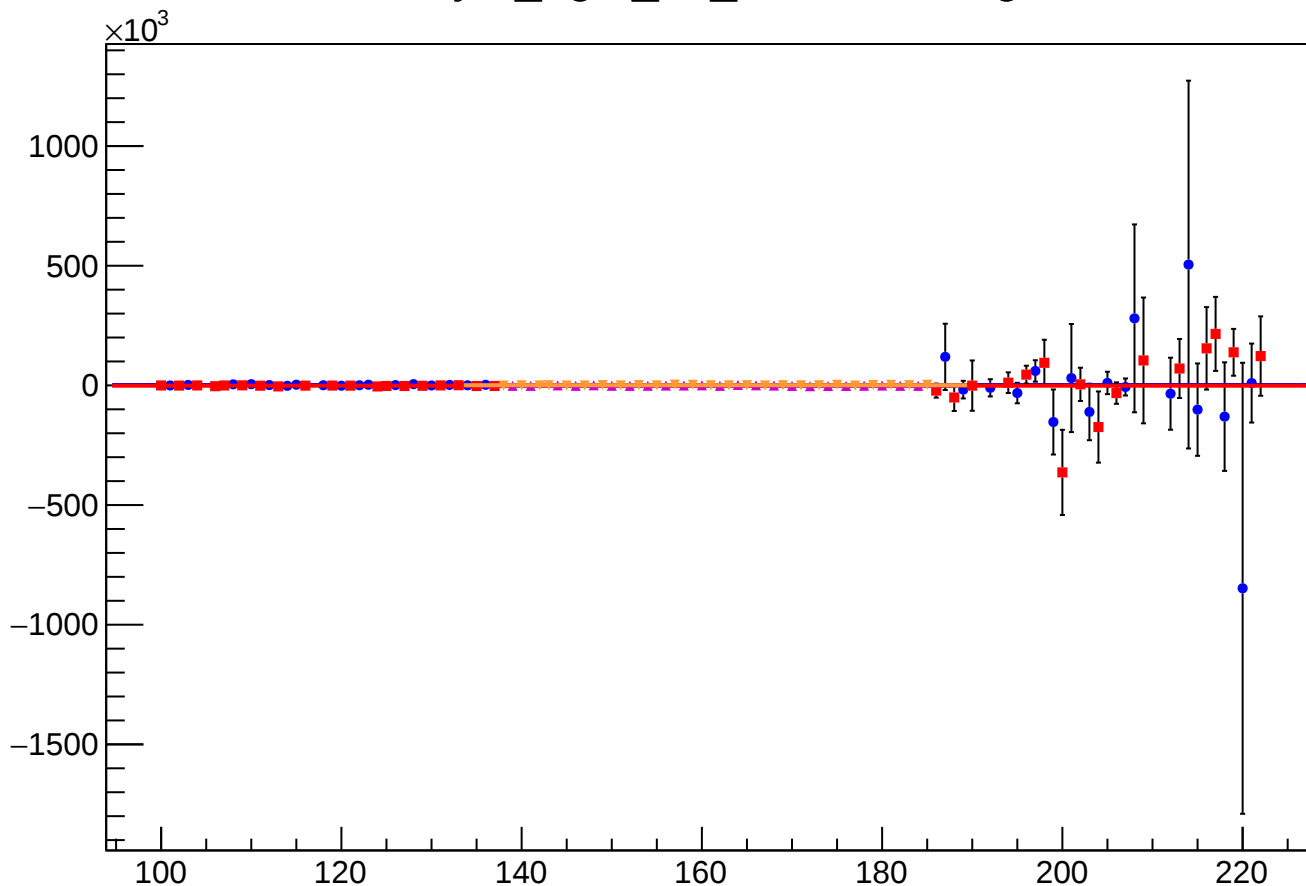
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 809.019 $\pm$ 0.110 χ^2 /NDF: 4980499.2/59

All: 98.974 $\pm$ 0.026 χ^2 /NDF: 103163613.6/11

- sign 56.518 $\pm$ 0.027 χ^2 /NDF: 54105600.0/59

asym_right_dd_mean vs Slug



Right In: 1514.735 $\pm$ 402.755 χ^2 /NDF: 26.0/33

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

Right Out: -1285.078 $\pm$ 376.572 χ^2 /NDF: 28.1/34

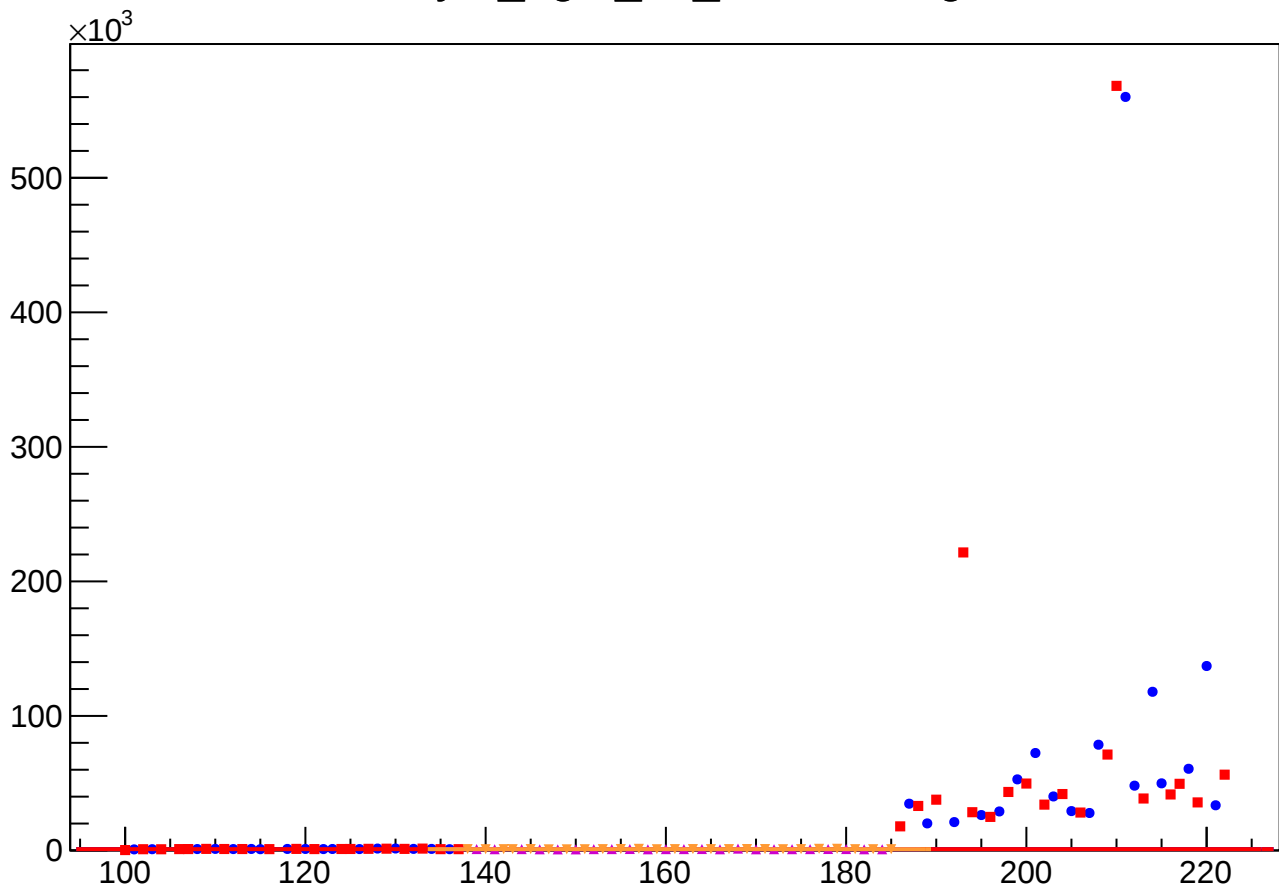
Left In: -1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

+ sign 927.248 $\pm$ 196.864 χ^2 /NDF: 49.0/58

All: -141.693 $\pm$ 139.049 χ^2 /NDF: 160.2/116

- sign -1205.888 $\pm$ 196.426 χ^2 /NDF: 52.3/57

asym_right_dd_rms vs Slug



Right In: 1040.348 $\pm$ 0.285 χ^2 /NDF: 6736491.0/34

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

Right Out: 979.559 $\pm$ 0.266 χ^2 /NDF: 7629075.5/36

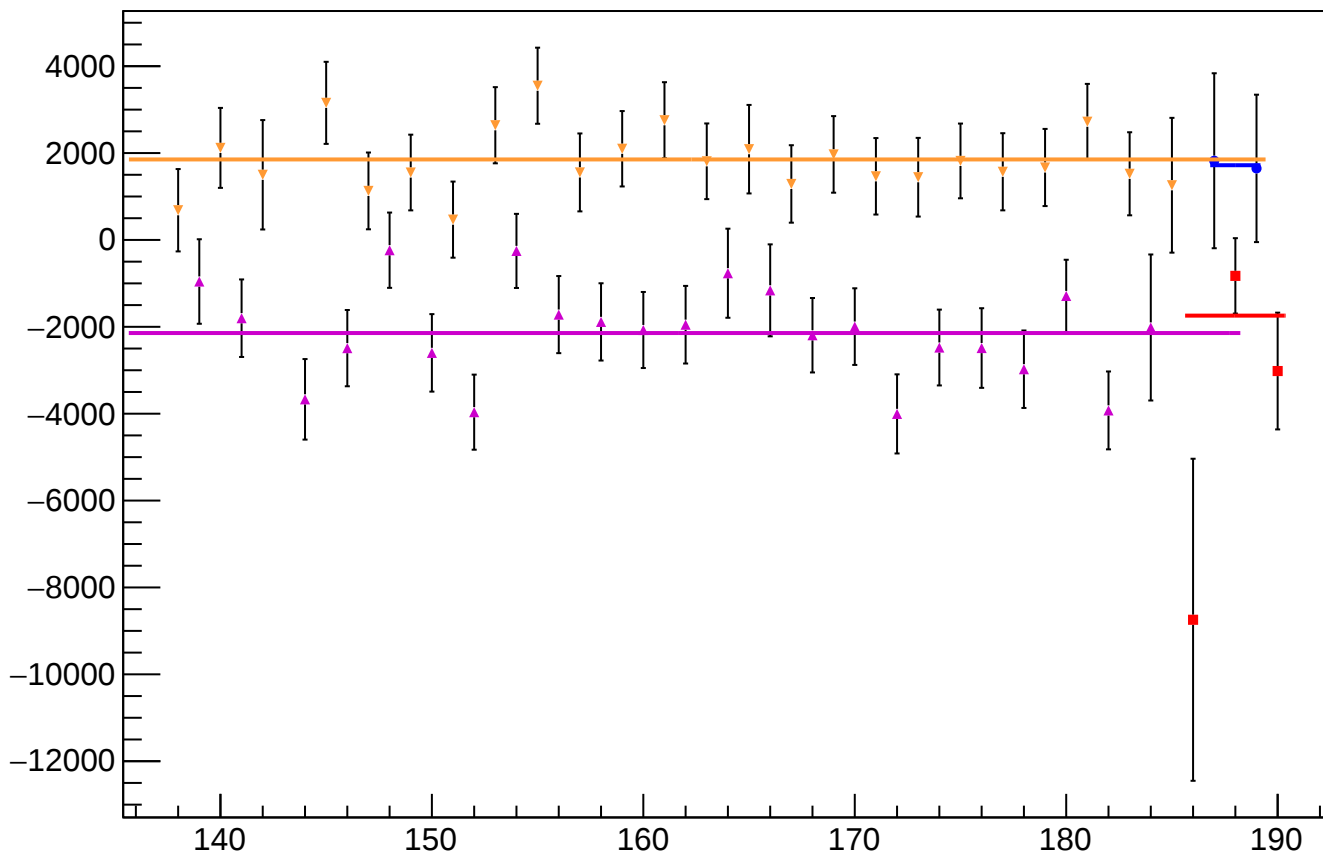
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF: 443068.5/22

+ sign 981.310 $\pm$ 0.139 χ^2 /NDF: 7155794.5/59

All: 971.595 $\pm$ 0.098 χ^2 /NDF: 15243685.0/11

- sign 961.923 $\pm$ 0.139 χ^2 /NDF: 8078170.7/59

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

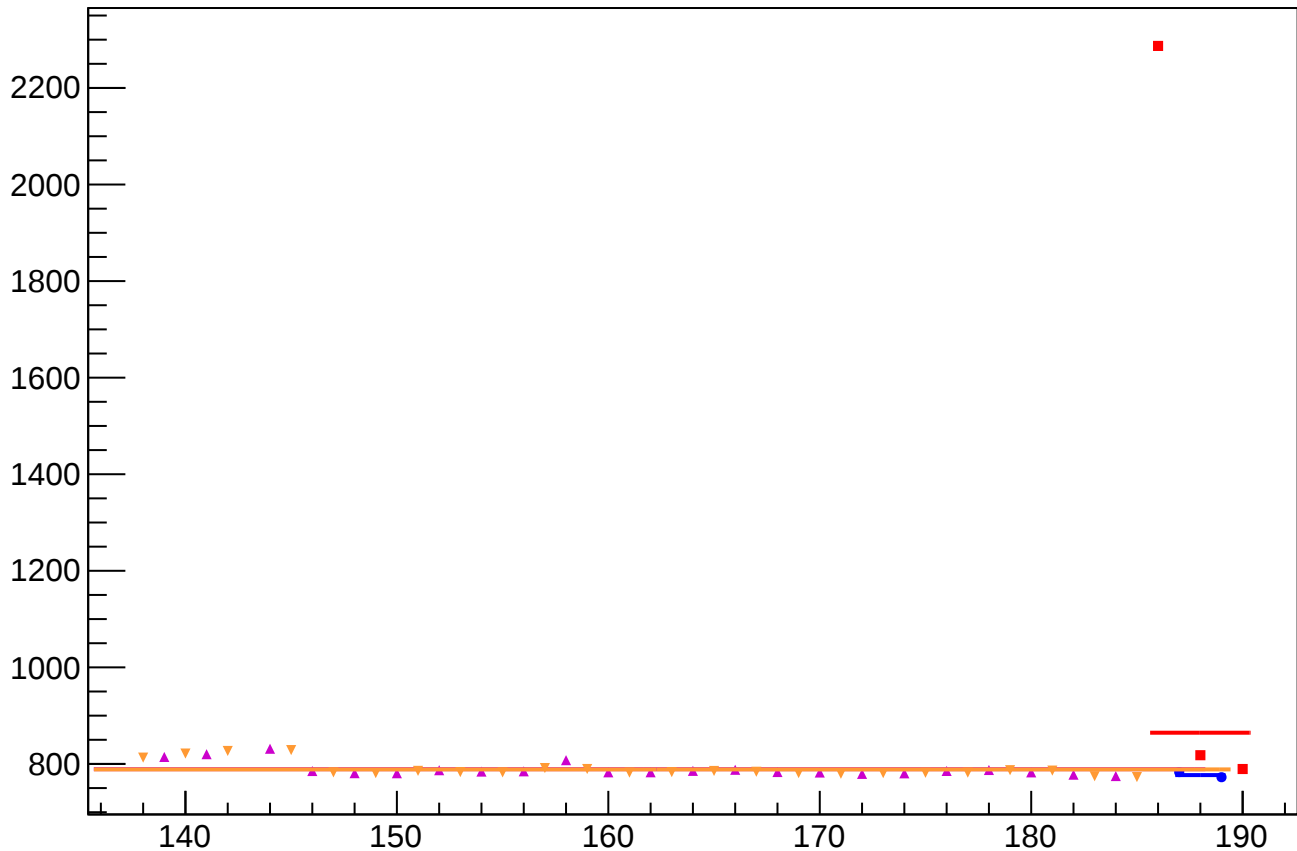
Left In: -2143.254 $\pm$ 190.144 χ^2/NDF :32.4/22

+ 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

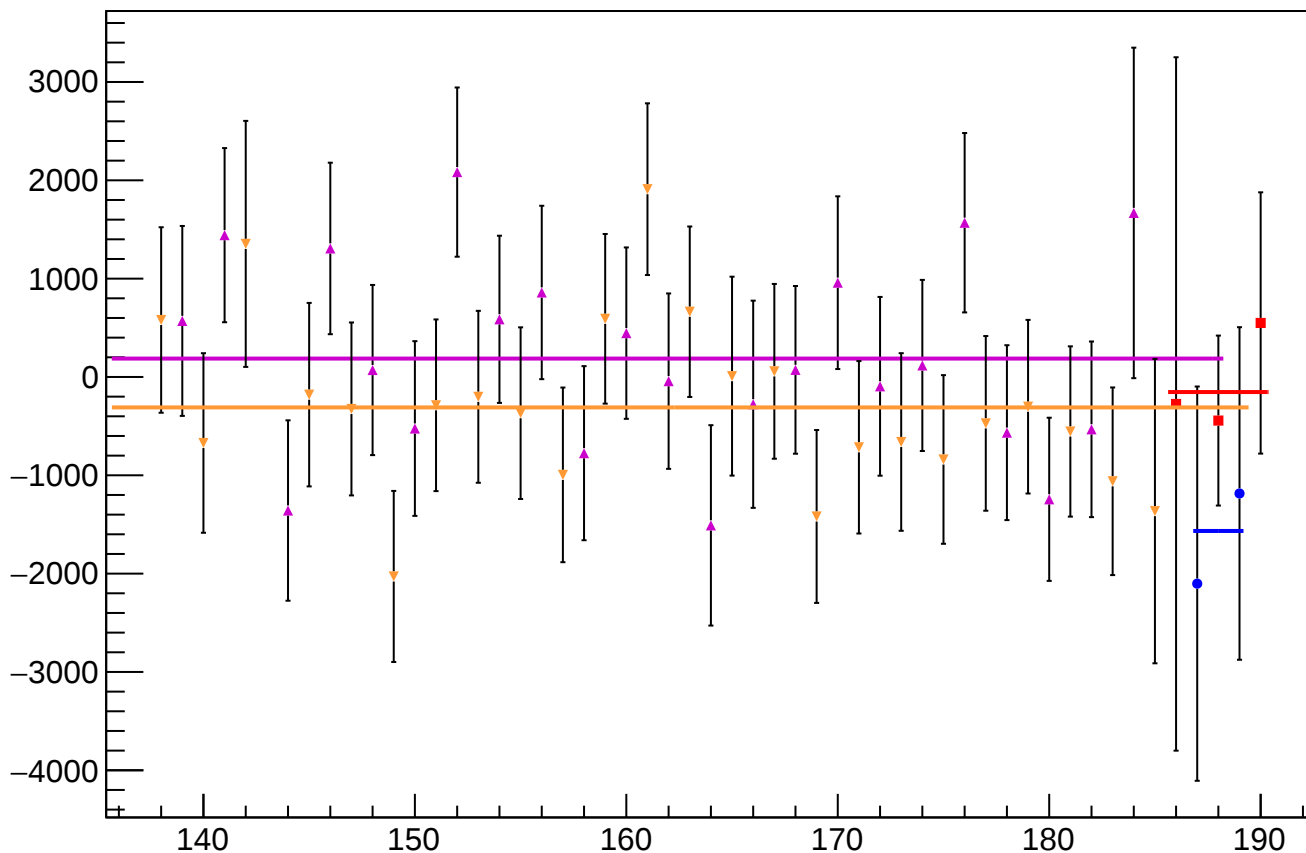
Left In: 789.176 $\pm$ 0.134 χ^2 /NDF: 10860.4/22

+ 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: -156.105 $\pm$ 1292.689 χ^2 /NDF: 0.1/1

Left Out: -309.656 $\pm$ 186.542 χ^2 /NDF: 20.0/23

Right Out: -153.360 $\pm$ 709.634 χ^2 /NDF: 0.4/2

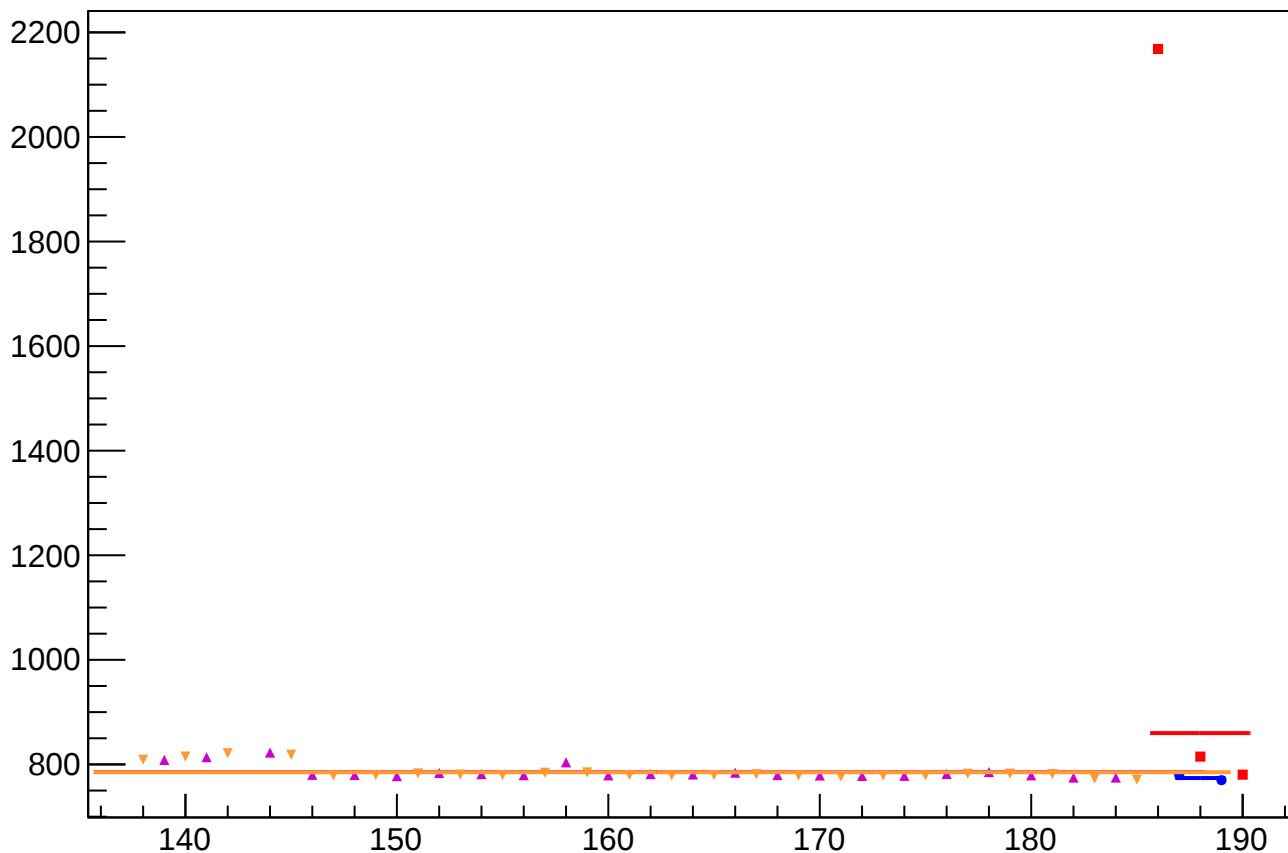
Left In: 187.105 $\pm$ 189.265 χ^2 /NDF: 25.6/22

+ sign -335.286 $\pm$ 184.630 χ^2 /NDF: 21.0/25

All: -83.007 $\pm$ 129.927 χ^2 /NDF: 50.9/51

- sign 164.494 $\pm$ 182.873 χ^2 /NDF: 26.2/25

cor_asym_us_dd_rms vs Slug



Right In: 773.922 $\pm$ 0.914 χ^2 /NDF: 27.7/1

Left Out: 785.050 $\pm$ 0.132 χ^2 /NDF: 9365.3/23

Right Out: 859.900 $\pm$ 0.502 χ^2 /NDF: 287948.2/2

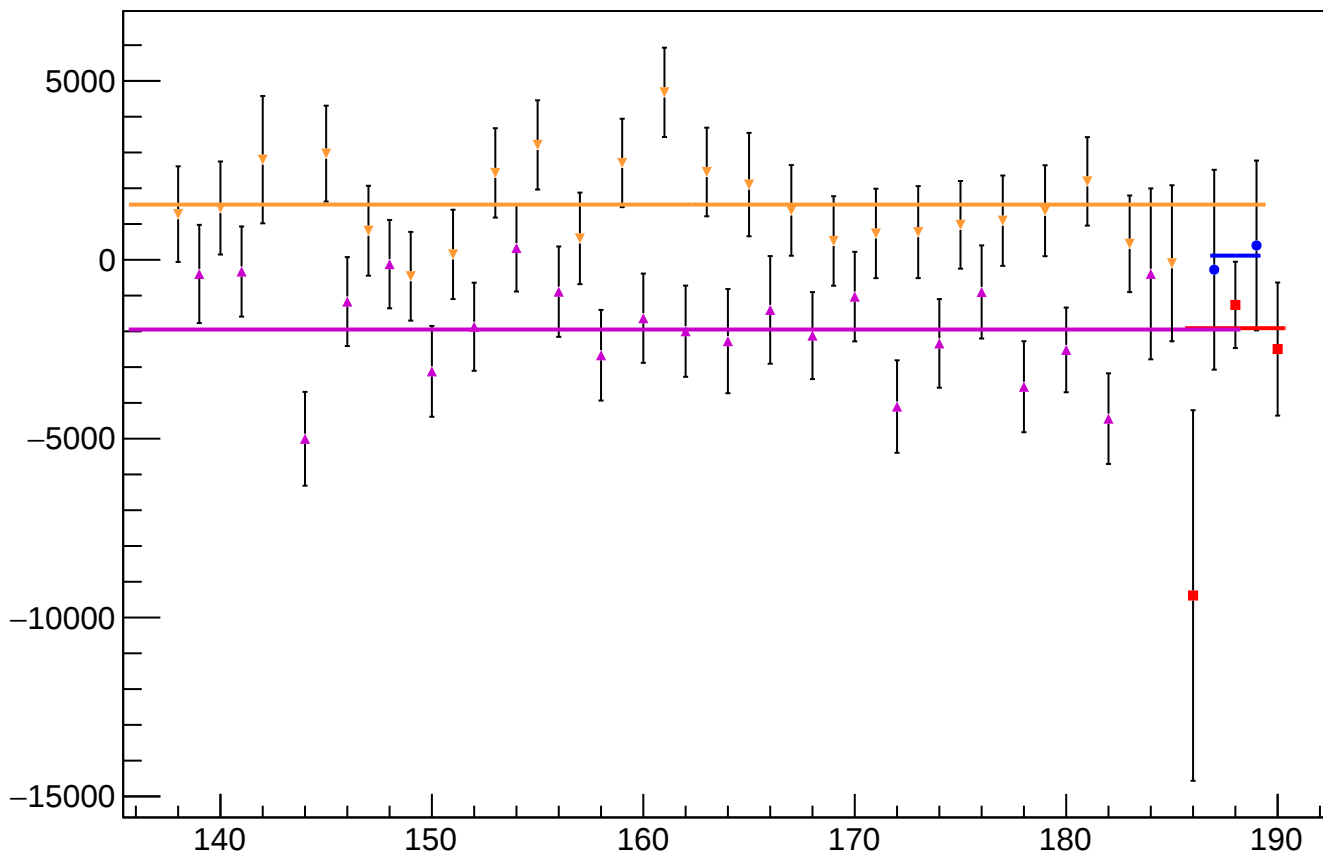
Left In: 785.562 $\pm$ 0.134 χ^2 /NDF: 9033.0/22

+ sign 784.823 $\pm$ 0.131 χ^2 /NDF: 9538.2/25

All: 787.688 $\pm$ 0.092 χ^2 /NDF: 327963.5/51

- sign 790.499 $\pm$ 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

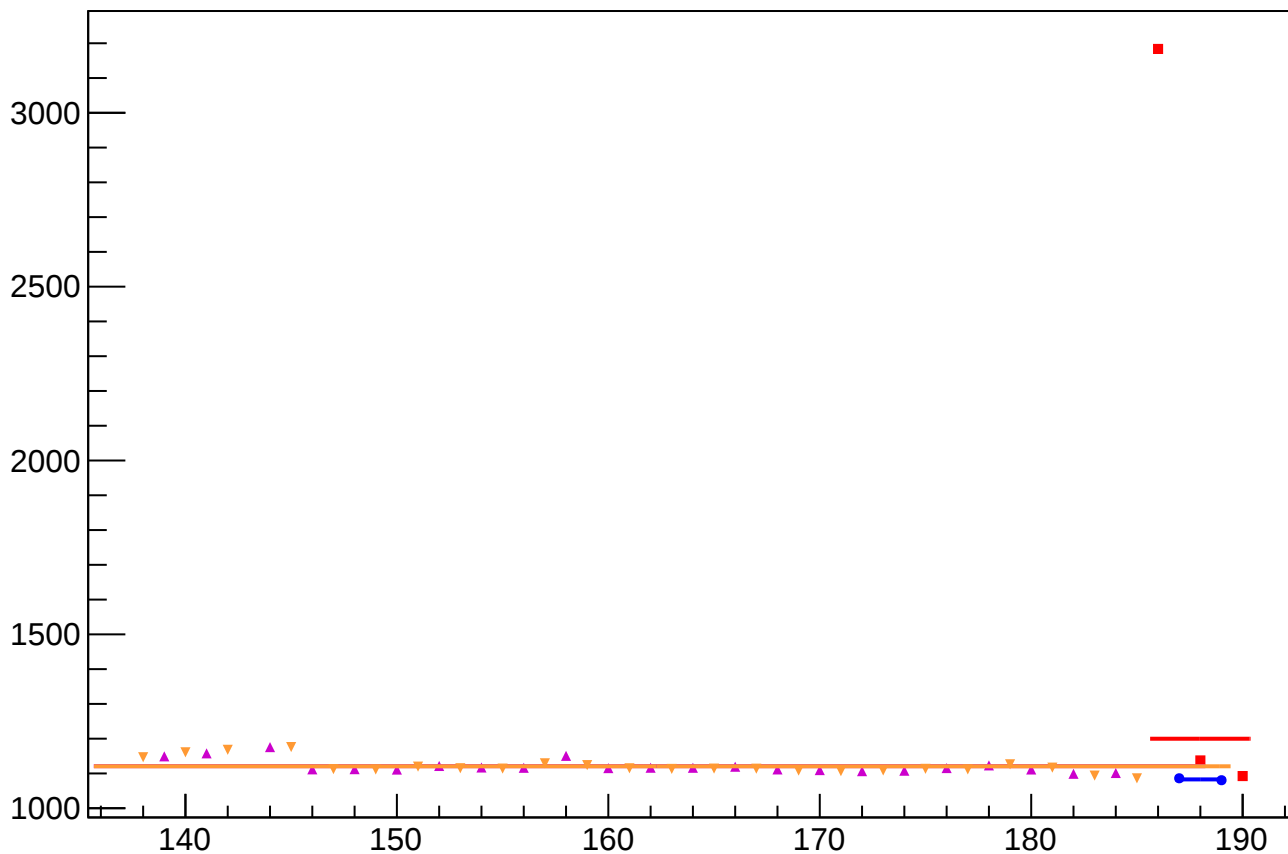
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

+ 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

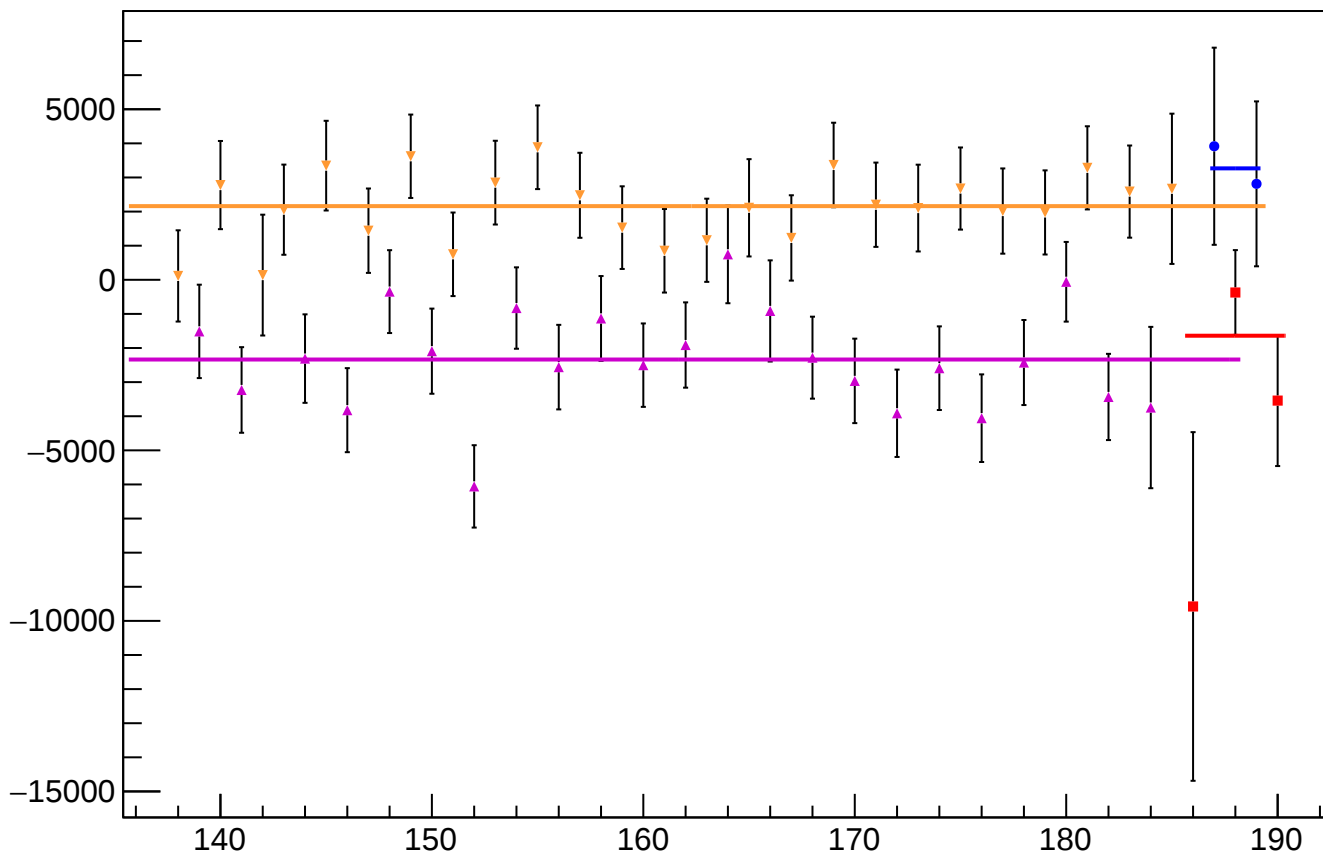
Left In: 1120.977 $\pm$ 0.191 χ^2 /NDF: 9259.6/22

+ 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

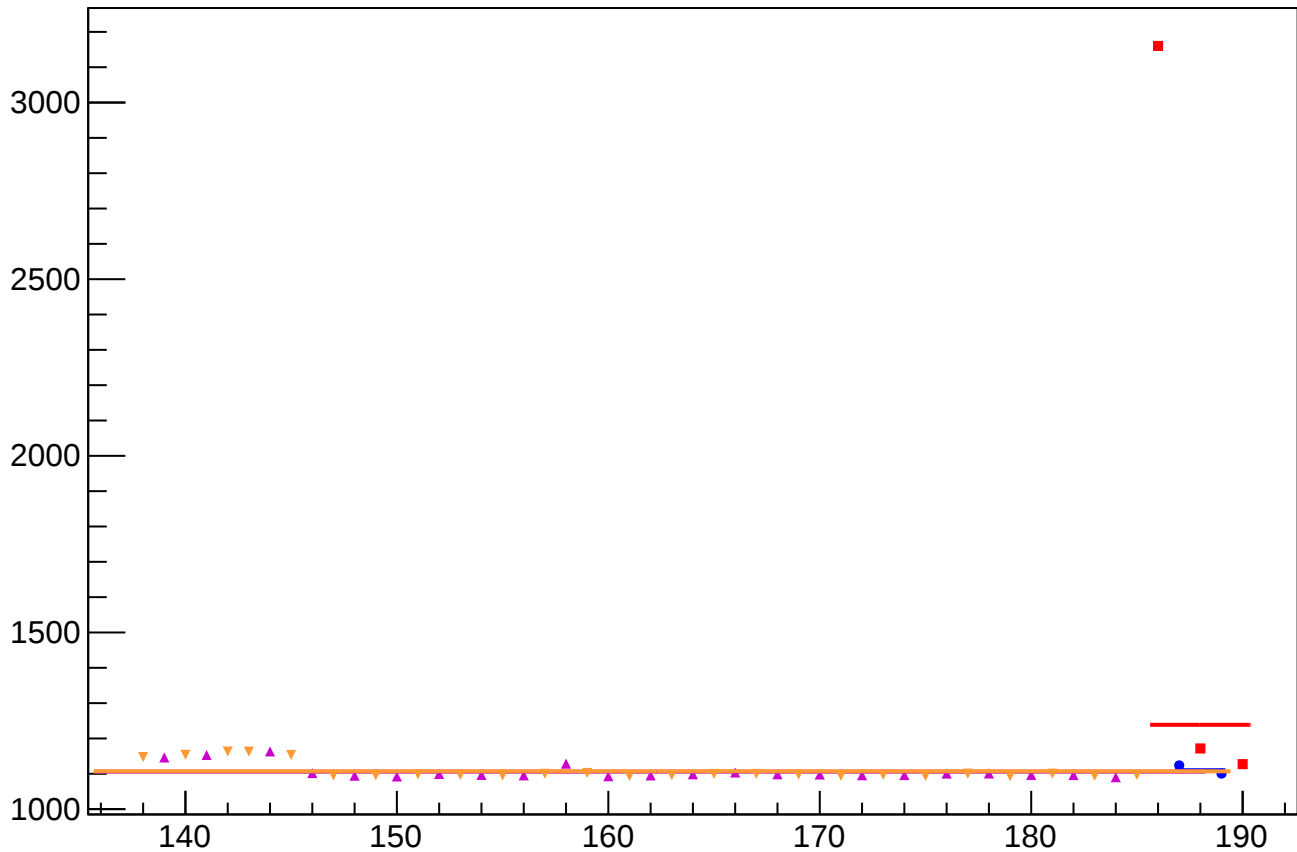
Left In: -2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

+ 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

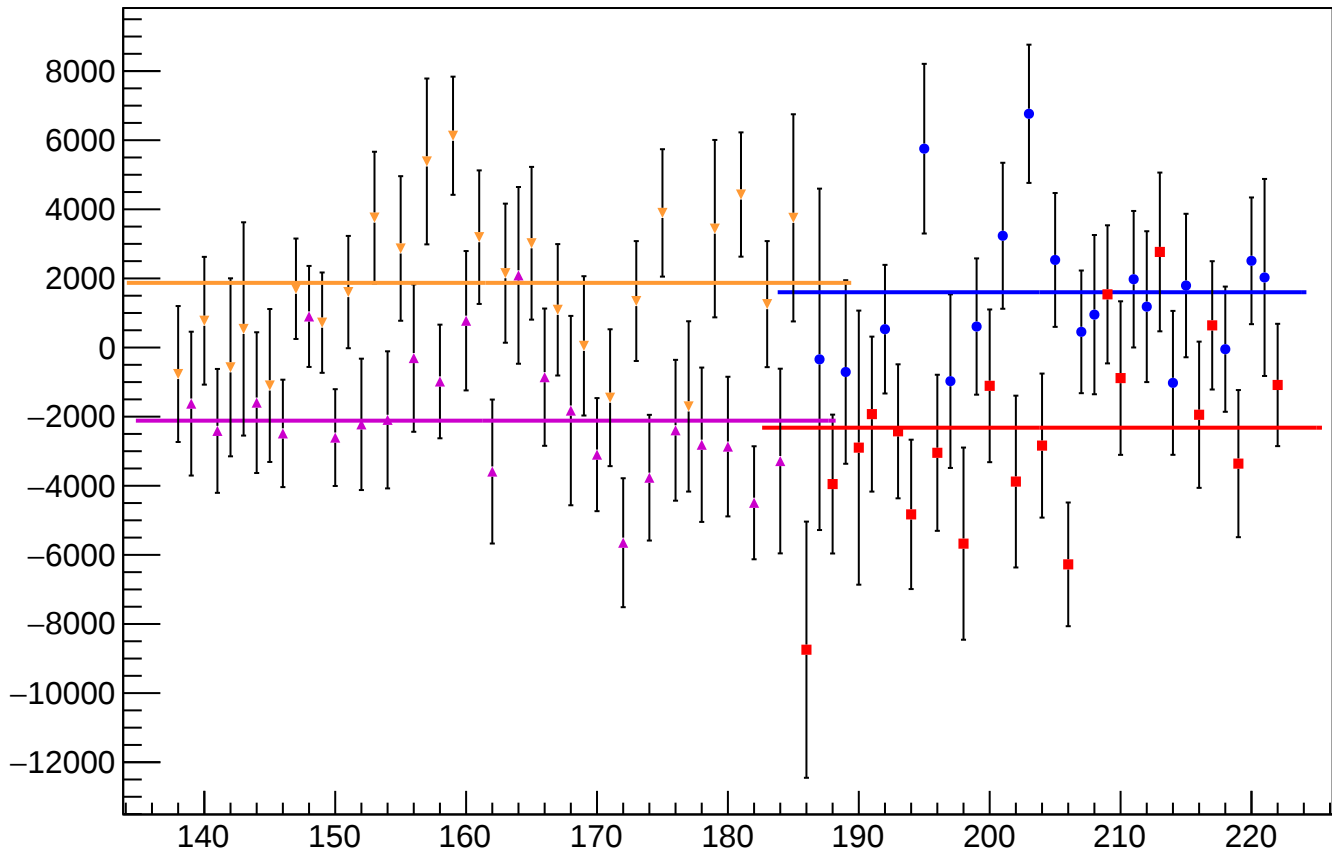
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

+ 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: 1600.572 $\pm$ 502.926 χ^2 /NDF: 16.2/17

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

Right Out: -2319.559 $\pm$ 500.420 χ^2 /NDF: 24.6/18

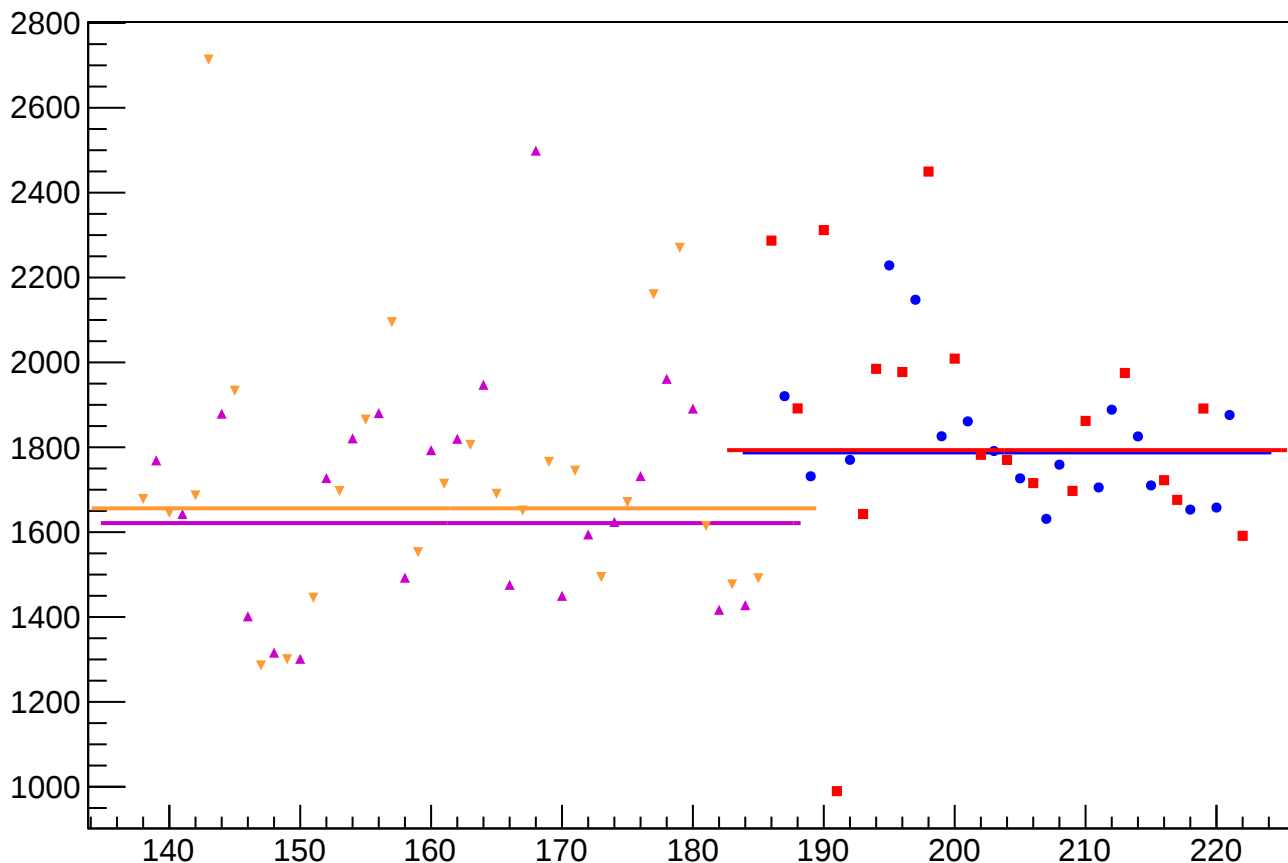
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 1769.298 $\pm$ 309.022 χ^2 /NDF: 42.5/42

All: -211.855 $\pm$ 218.531 χ^2 /NDF: 168.2/84

- sign -2193.723 $\pm$ 309.077 χ^2 /NDF: 43.5/41

asym_us_agg_avg_rms vs Slug



Right In: 1787.867 $\pm$ 0.356 χ^2 /NDF: 163217.7/17

Left Out: 1656.119 $\pm$ 0.277 χ^2 /NDF: 910573.4/24

Right Out: 1793.266 $\pm$ 0.354 χ^2 /NDF: 566452.7/18

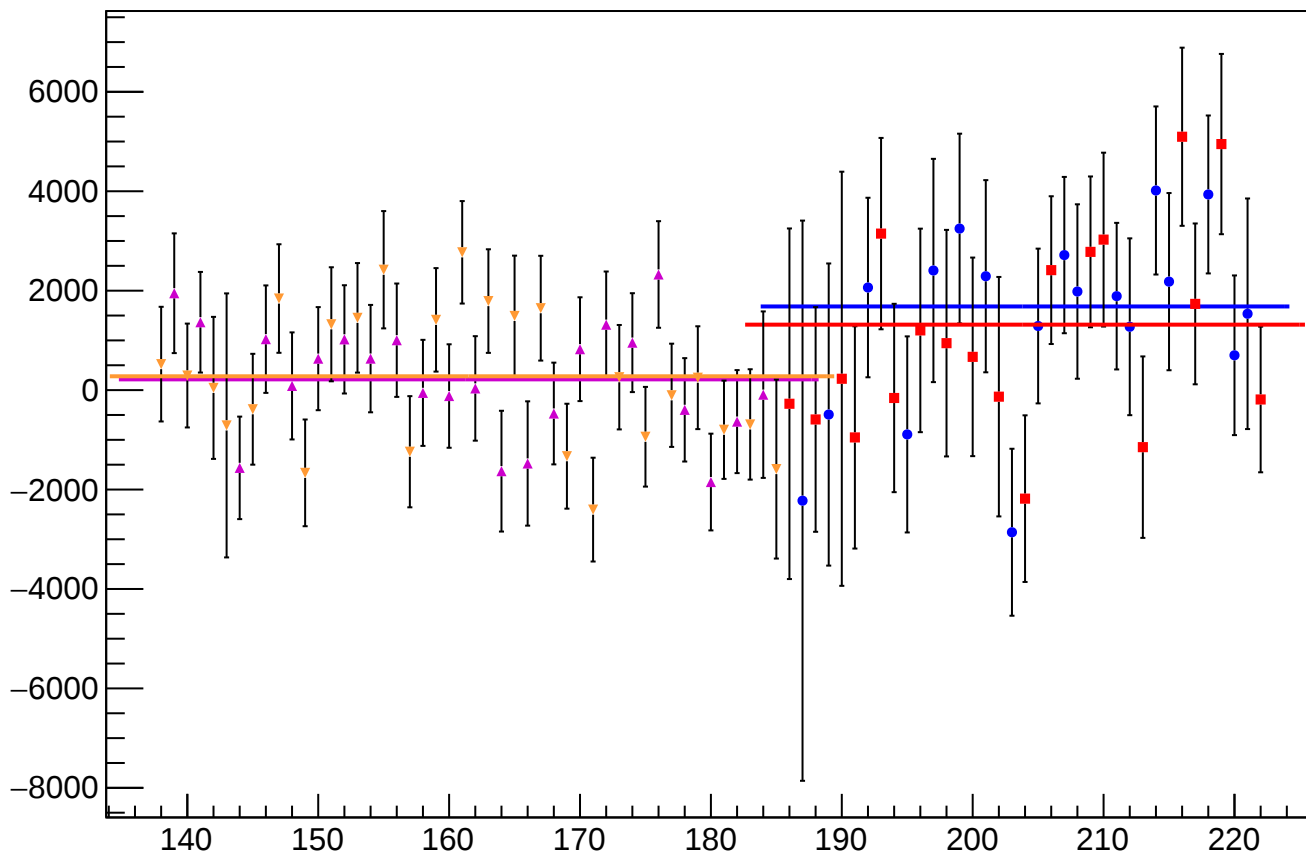
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1705.860 $\pm$ 0.219 χ^2 /NDF: 1159222.5/42

All: 1696.418 $\pm$ 0.155 χ^2 /NDF: 2650605.9/84

- sign 1686.973 $\pm$ 0.219 χ^2 /NDF: 1487648.5/41

asym_us_agg_dd_mean vs Slug



Right In: 1682.760 ± 432.237 χ^2/NDF : 15.9/17

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

Right Out: 1316.757 ± 435.531 χ^2/NDF : 22.2/18

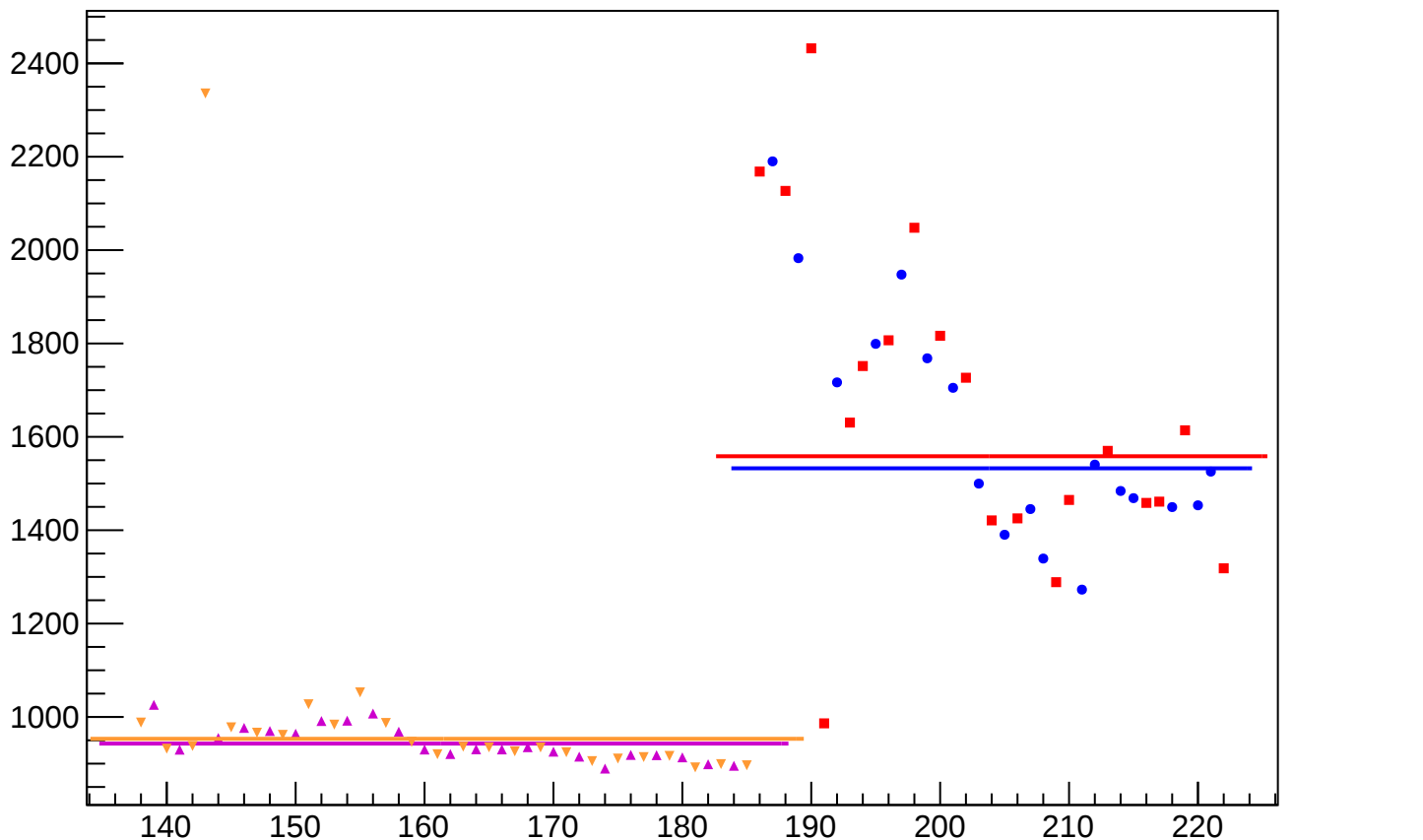
Left In: 216.121 ± 225.600 χ^2/NDF : 24.4/22

+ sign 574.594 ± 198.586 χ^2/NDF : 62.6/42

All: 512.324 ± 141.031 χ^2/NDF : 114.5/84

- sign 448.961 ± 200.321 χ^2/NDF : 51.7/41

asym_us_agg_dd_rms vs Slug



Right In: 1532.601 $\pm$ 0.306 χ^2 /NDF: 367872.7/17

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

Right Out: 1558.437 $\pm$ 0.308 χ^2 /NDF: 761493.7/18

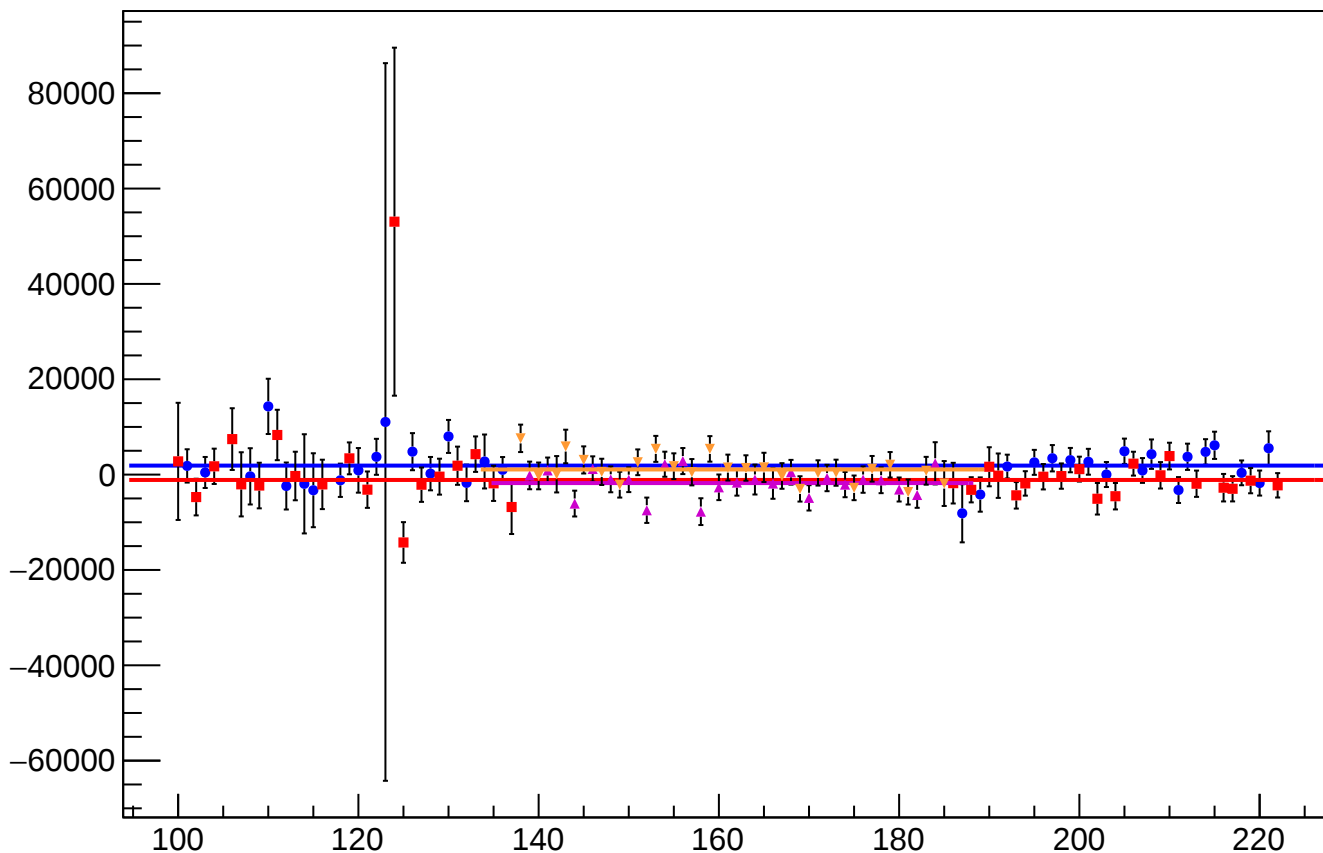
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 1075.519 $\pm$ 0.140 χ^2 /NDF: 3809091.0/42

All: 1074.339 $\pm$ 0.100 χ^2 /NDF: 7768594.5/84

- sign 1073.138 $\pm$ 0.142 χ^2 /NDF: 3959360.9/41

reg_asym_atl1_mean vs Slug



Right In: 1889.042 $\pm$ 555.277 χ^2 /NDF: 31.8/34

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

Right Out: -1122.640 $\pm$ 551.193 χ^2 /NDF: 36.9/37

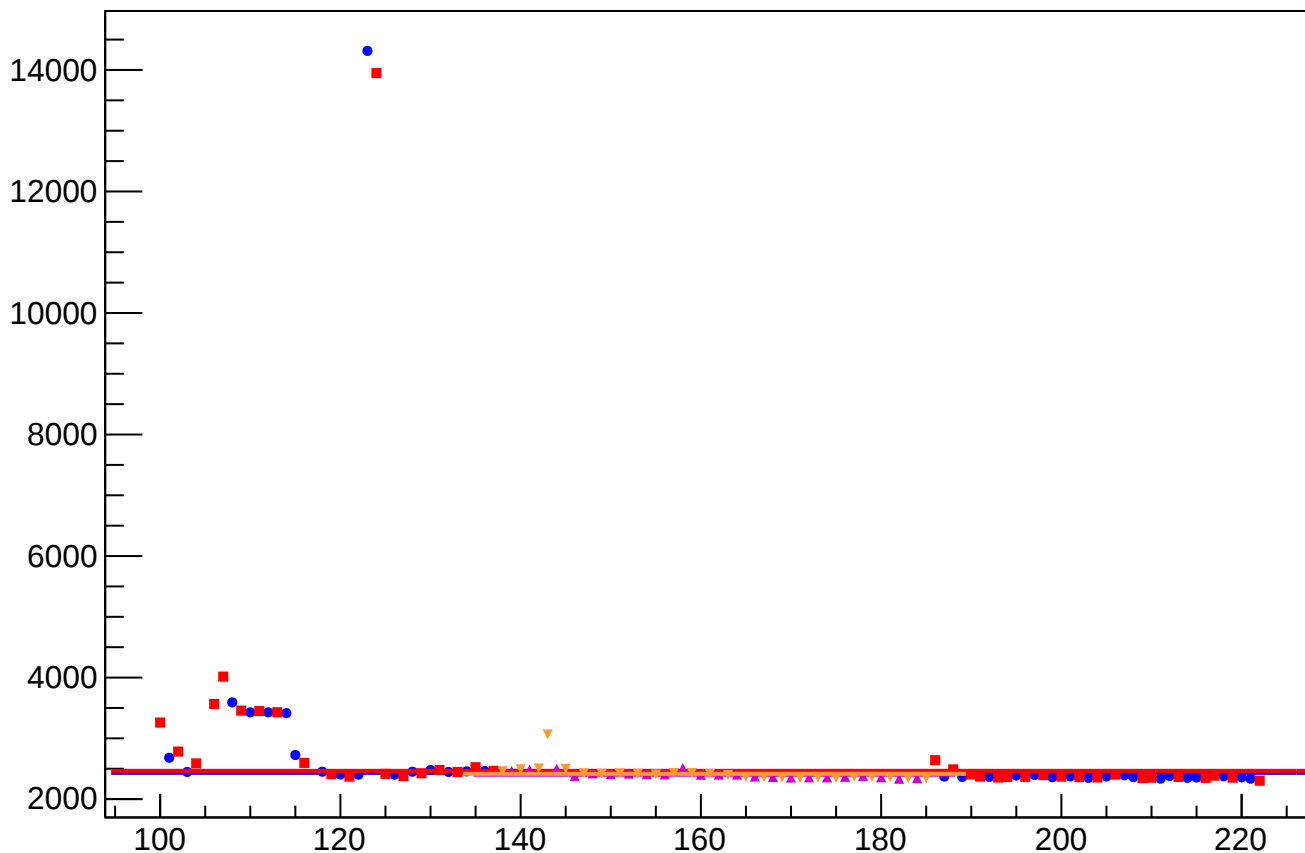
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1489.872 $\pm$ 395.690 χ^2 /NDF: 56.4/59

All: 36.414 $\pm$ 280.678 χ^2 /NDF: 145.2/120

- sign -1435.533 $\pm$ 398.199 χ^2 /NDF: 61.6/60

reg_asym_atl1_rms vs Slug



Right In: 2432.244+/-0.393 χ^2/NDF : 320785.5/34

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

Right Out: 2465.453+/-0.390 χ^2/NDF : 668550.4/37

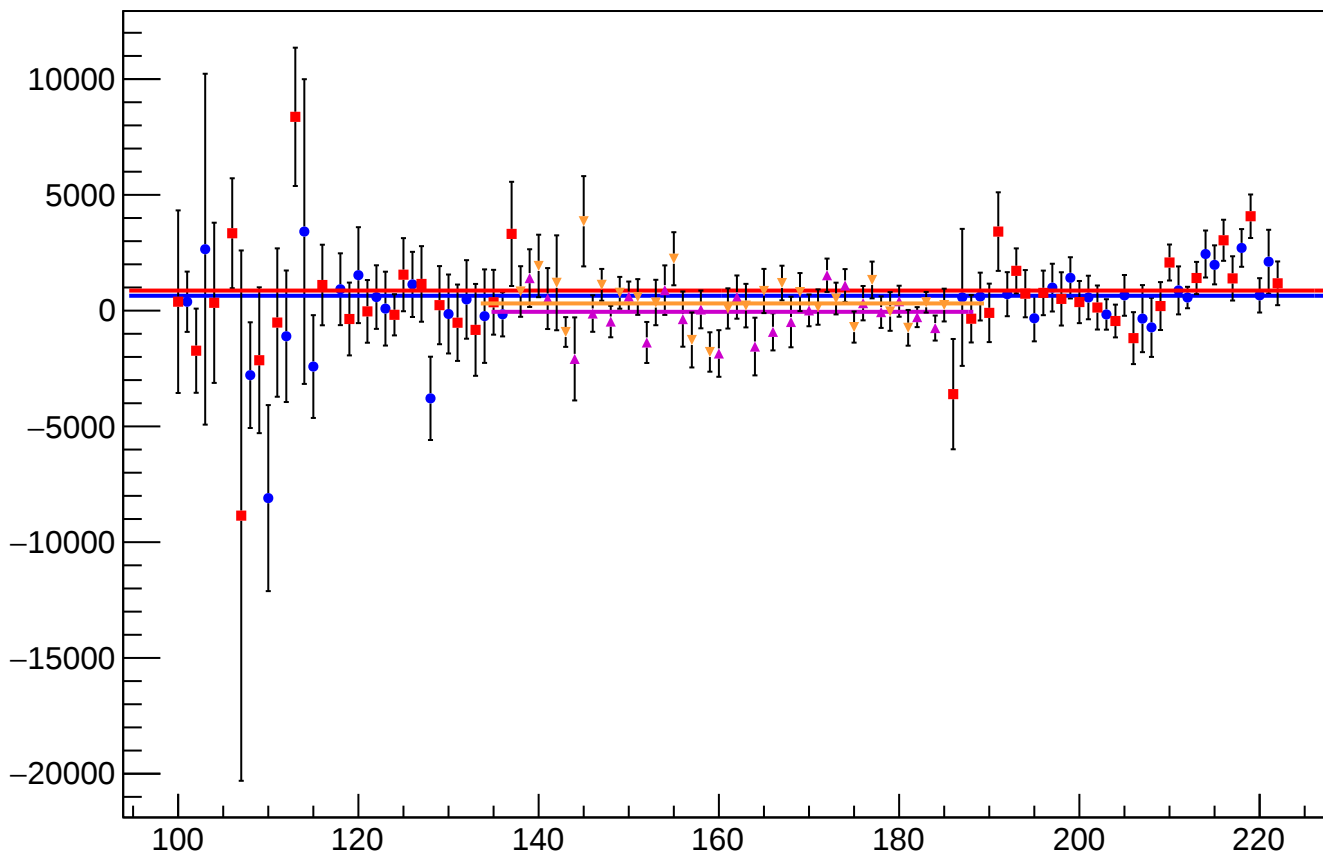
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2424.258+/-0.280 χ^2/NDF : 404262.0/59

All: 2429.516+/-0.198 χ^2/NDF : 1100174.8/12

- sign 2434.840+/-0.282 χ^2/NDF : 695202.1/60

asym_atl1_correction_mean vs Slug



Right In: 641.739 ± 186.847 χ^2/NDF : 35.5/34

Left Out: 310.873 ± 160.650 χ^2/NDF : 29.7/24

Right Out: 866.882 ± 195.054 χ^2/NDF : 54.7/37

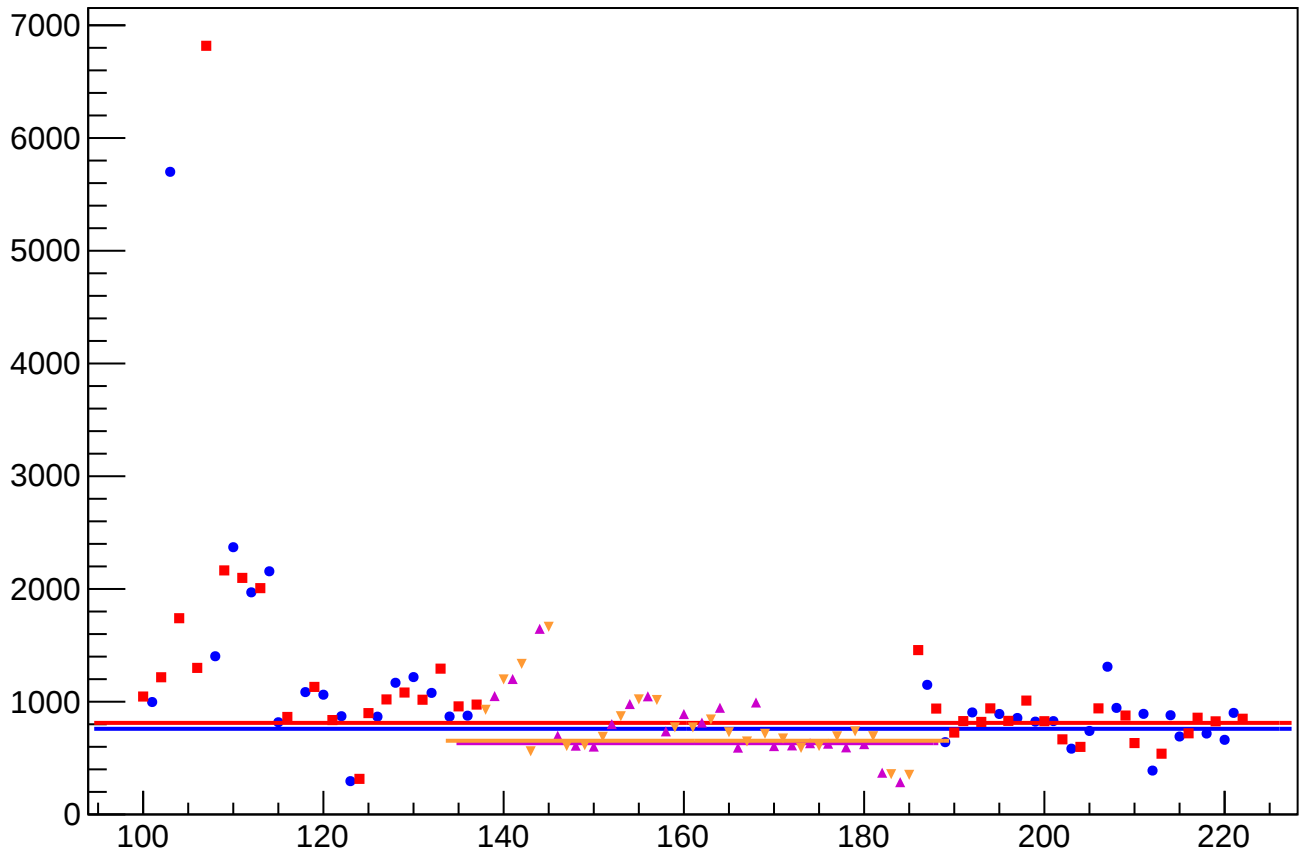
Left In: -51.454 ± 161.744 χ^2/NDF : 23.8/22

+ sign 451.504 ± 121.815 χ^2/NDF : 67.0/59

All: 388.519 ± 87.072 χ^2/NDF : 159.3/120

- sign 322.720 ± 124.506 χ^2/NDF : 91.7/60

asym_atl1_correction_rms vs Slug



Right In: 759.640 $\pm$ 0.132 χ^2 /NDF: 4603018.8/34

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

Right Out: 812.178 $\pm$ 0.138 χ^2 /NDF: 3860733.9/37

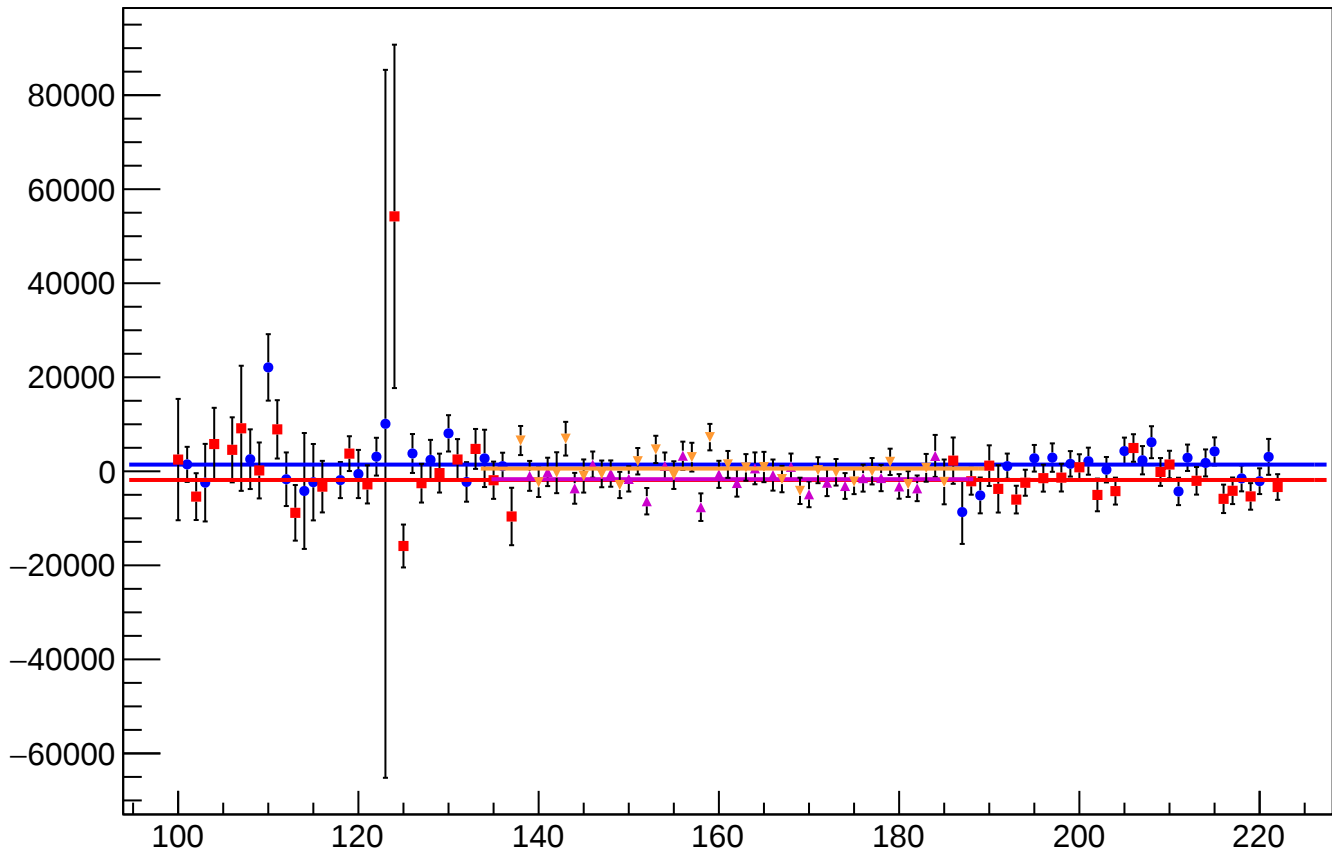
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 698.788 $\pm$ 0.086 χ^2 /NDF: 8226669.1/59

All: 702.043 $\pm$ 0.062 χ^2 /NDF: 17043813.5/12

- sign 705.445 $\pm$ 0.088 χ^2 /NDF: 8814223.2/60

asym_atl1_mean vs Slug



Right In: 1426.116 $\pm$ 605.524 χ^2 /NDF: 31.7/34

Left Out: 580.879 $\pm$ 597.173 χ^2 /NDF: 25.3/24

Right Out: -1844.225 $\pm$ 604.442 χ^2 /NDF: 44.3/37

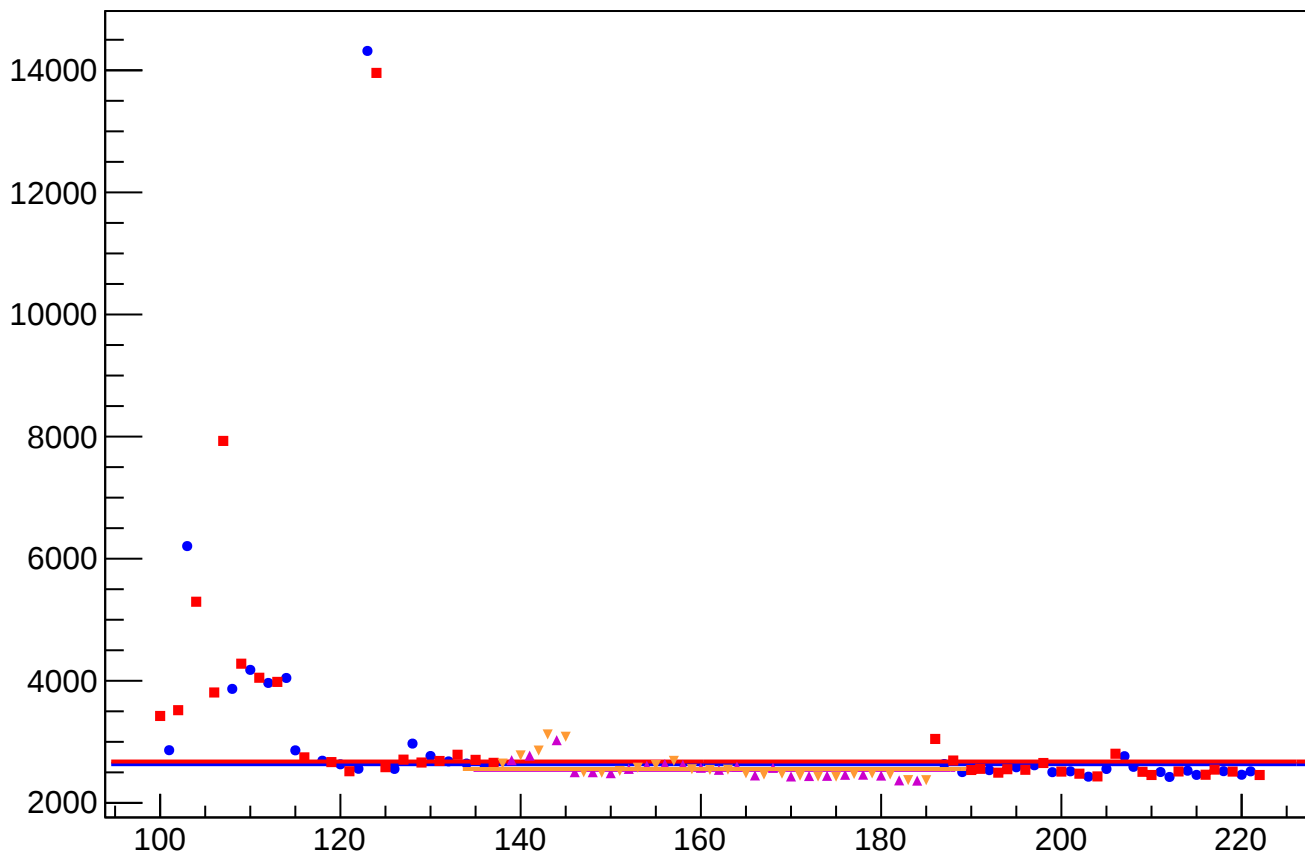
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 997.629 $\pm$ 425.187 χ^2 /NDF: 58.0/59

All: -368.926 $\pm$ 302.129 χ^2 /NDF: 141.4/120

- sign -1762.667 $\pm$ 429.395 χ^2 /NDF: 62.5/60

asym_atl1_rms vs Slug



Right In: 2633.985+/-0.428 χ^2/NDF : 824443.0/34

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

Right Out: 2677.541+/-0.427 χ^2/NDF : 1317799.3/37

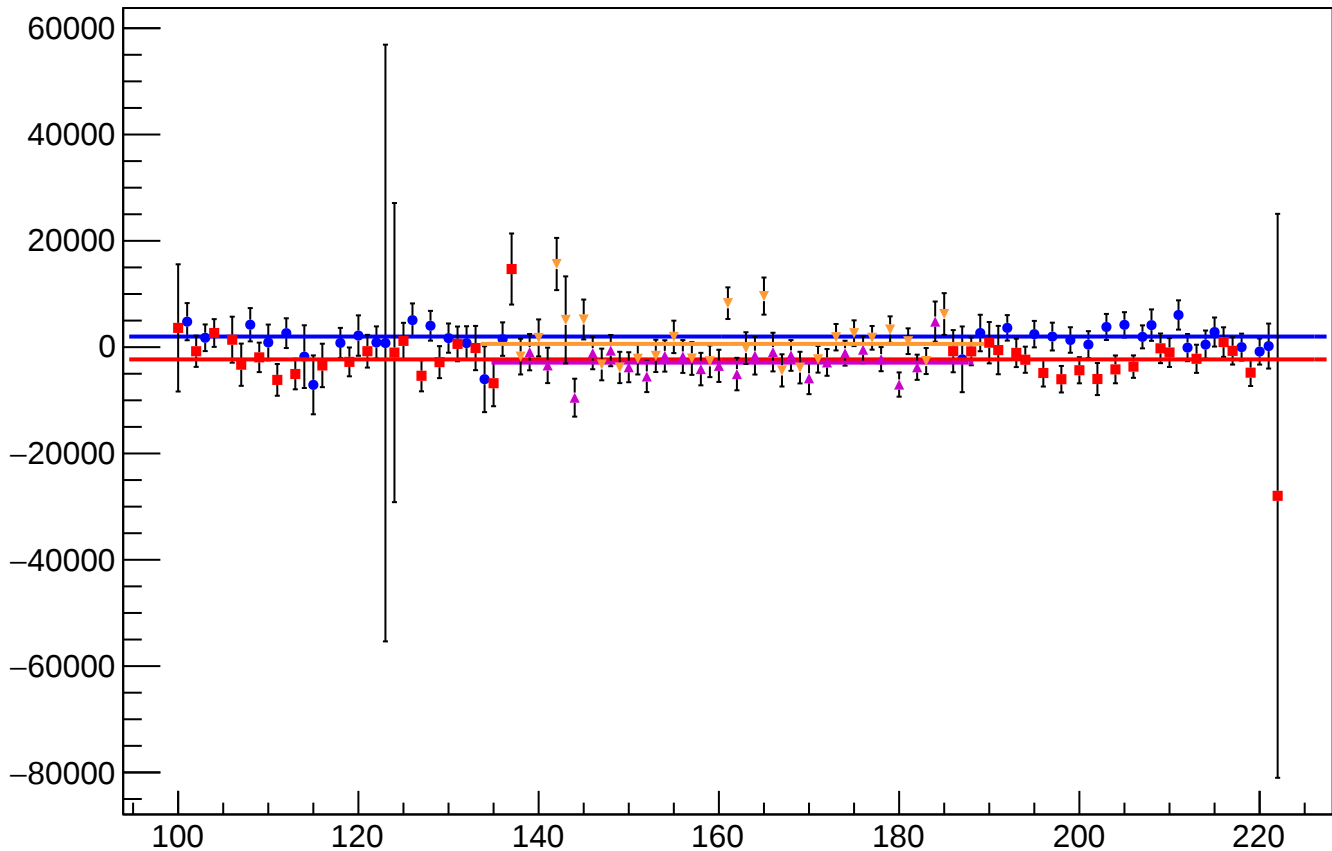
Left In: 2540.988+/-0.431 χ^2/NDF : 94756.7/22

+ sign 2594.086+/-0.301 χ^2/NDF : 996316.0/59

All: 2601.916+/-0.214 χ^2/NDF : 2460803.9/12

- sign 2609.902+/-0.304 χ^2/NDF : 1463117.9/60

reg_asym_atl2_mean vs Slug



Right In: 1995.479+/-497.440 χ^2/NDF : 16.8/34

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

Right Out: -2301.969+/-498.169 χ^2/NDF : 30.3/37

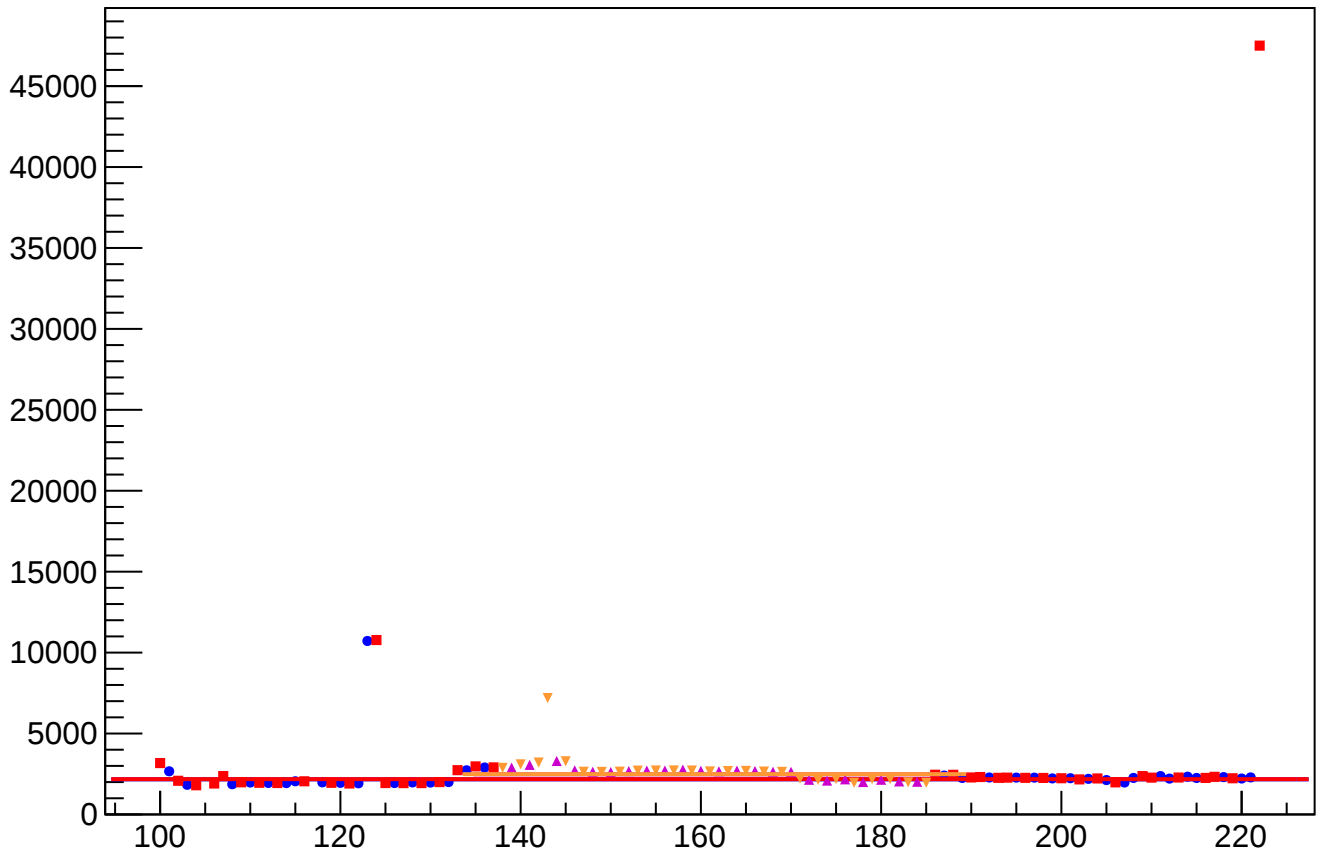
Left In: -2909.108+/-599.673 χ^2/NDF : 17.4/22

+ sign 1423.145+/-380.614 χ^2/NDF : 65.2/59

All: -549.950+/-270.042 χ^2/NDF : 167.6/120

- sign -2549.879+/-383.194 χ^2/NDF : 48.3/60

reg_asym_atl2_rms vs Slug



Right In: 2167.602 $\pm$ 0.352 χ^2 /NDF: 420155.0/34

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

Right Out: 2180.634 $\pm$ 0.352 χ^2 /NDF: 2054276.6/37

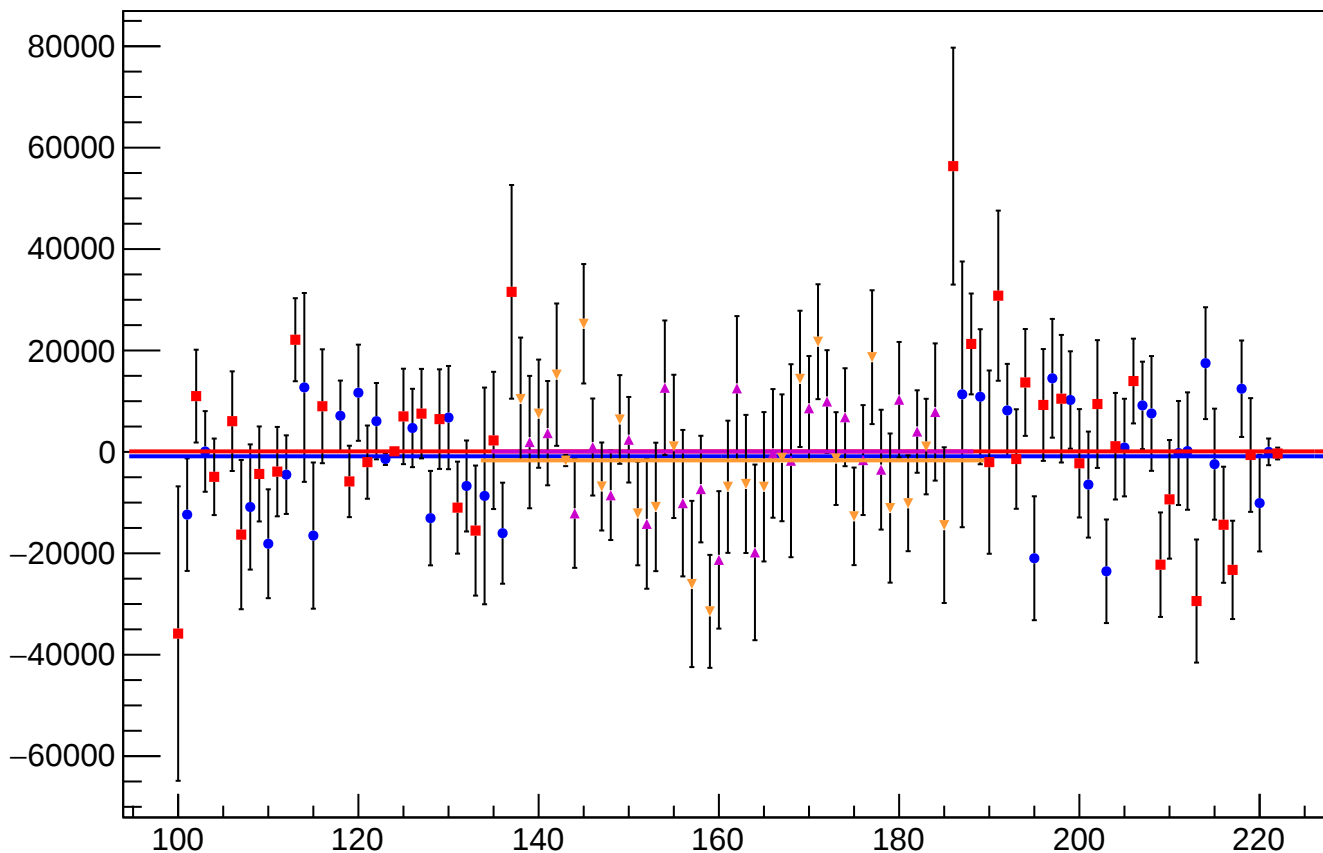
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF:668398.2/22

+ sign 2301.076 $\pm$ 0.269 χ^2 /NDF: 2131711.5/59

All: 2301.836 $\pm$ 0.191 χ^2 /NDF: 5148030.8/12

- sign 2302.606 $\pm$ 0.271 χ^2 /NDF: 3016303.3/60

asym_atl2_correction_mean vs Slug



Right In: -871.625+/-915.386 χ^2/NDF : 36.8/34

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

Right Out: 102.310+/-582.432 χ^2/NDF : 59.9/37

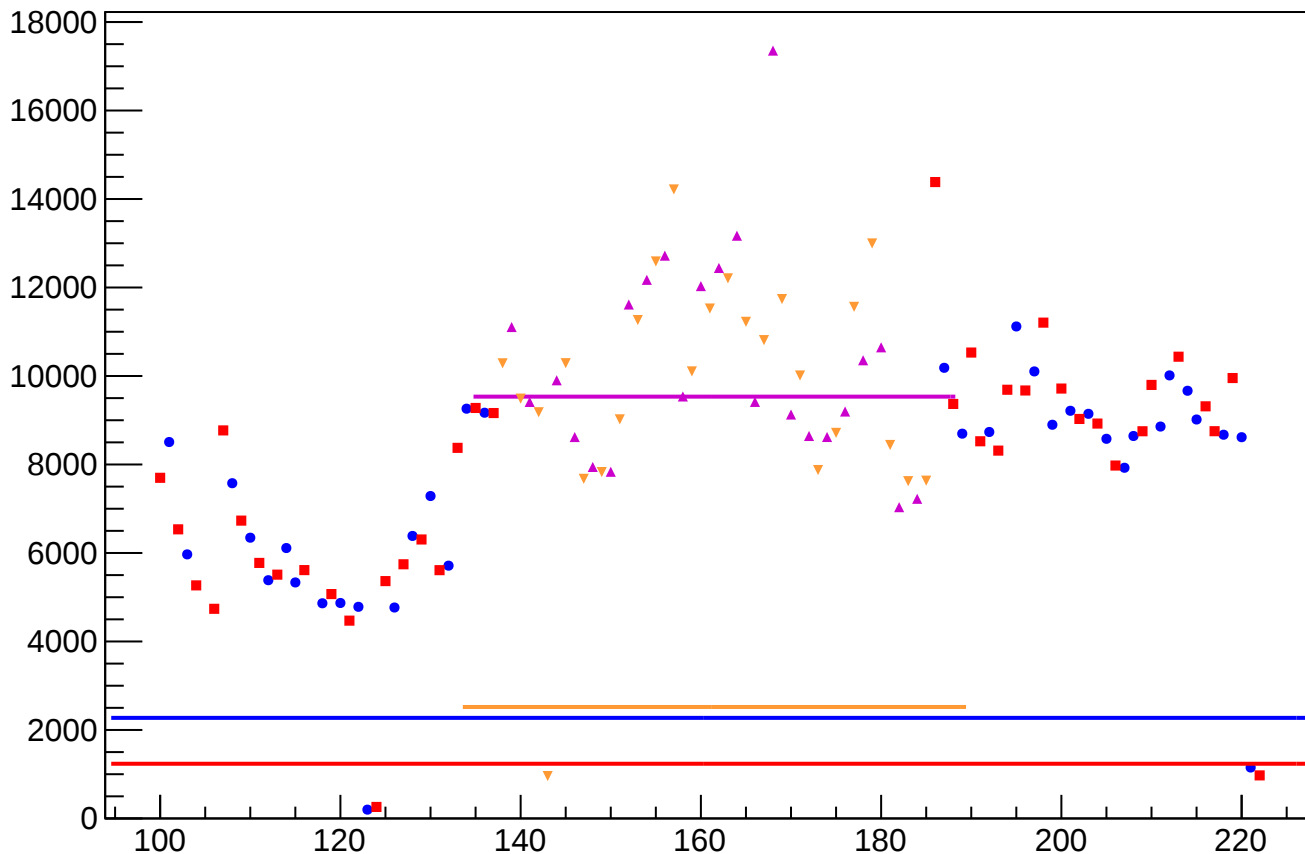
Left In: 80.274+/-2331.531 χ^2/NDF :13.8/22

+ sign -1236.267+/-673.063 χ^2/NDF : 69.5/59

All: -451.863+/-432.772 χ^2/NDF : 145.5/120

- sign 101.015+/-565.068 χ^2/NDF : 73.7/60

asym_atl2_correction_rms vs Slug



Right In: 2273.461+/-0.647 χ^2/NDF : 25841224.0/34

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

Right Out: 1236.400+/-0.412 χ^2/NDF : 31089361.3/37

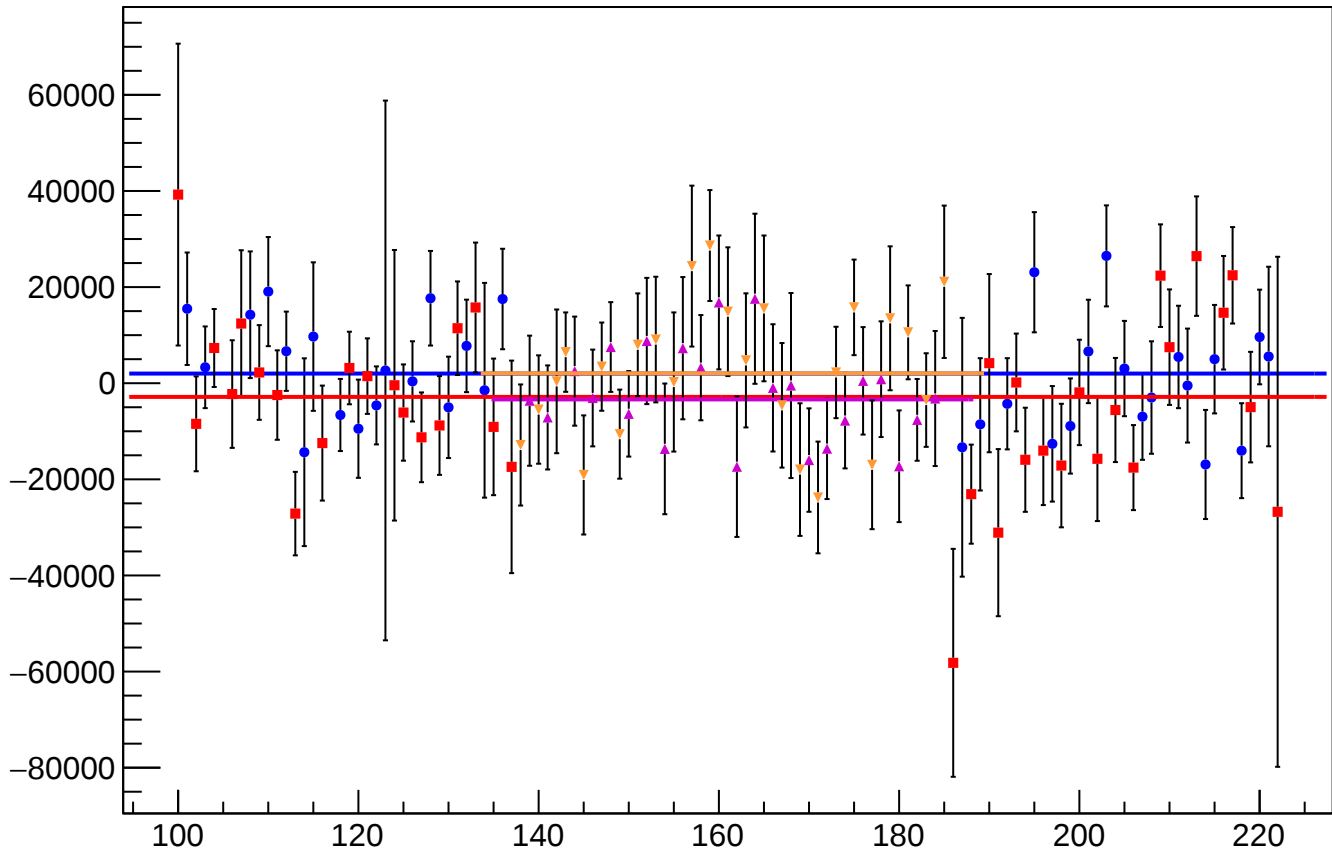
Left In: 9533.563+/-1.649 χ^2/NDF : 1316640.0/22

+ sign 2386.418+/-0.476 χ^2/NDF : 49549639.0/59

All: 1997.725+/-0.306 χ^2/NDF : 106933395.5

- sign 1723.759+/-0.400 χ^2/NDF : 56246610.4/60

asym_atl2_mean vs Slug



Right In: 2006.708+/-1830.551 χ^2/NDF : 34.6/34

Left Out: 2055.950+/-2333.494 χ^2/NDF : 30.7/24

Right Out: -2846.829+/-1819.786 χ^2/NDF : 60.6/37

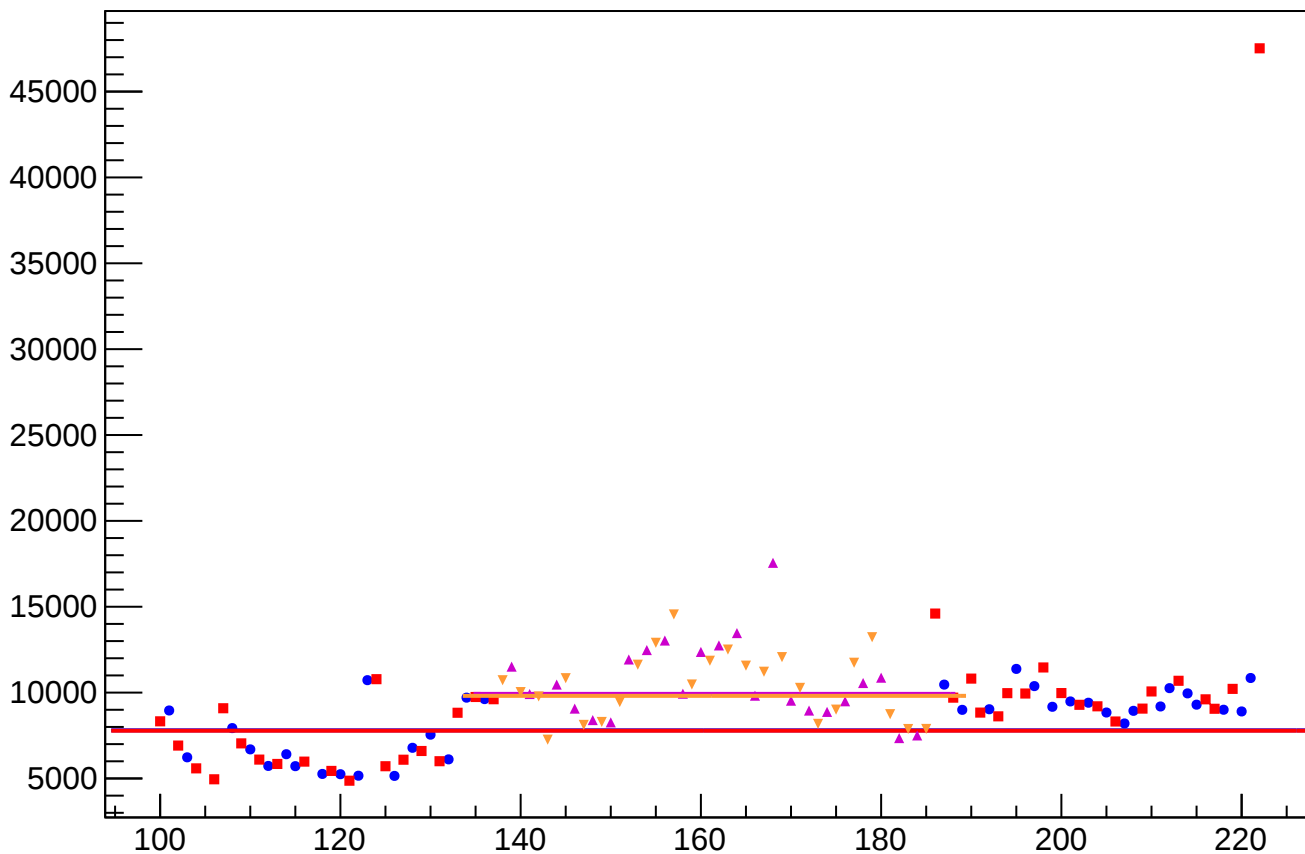
Left In: -3371.931+/-2423.242 χ^2/NDF : 13.1/22

+ sign 2025.467+/-1440.267 χ^2/NDF : 65.3/59

All: -479.340+/-1023.644 χ^2/NDF : 145.2/120

- sign -3036.179+/-1455.150 χ^2/NDF : 73.8/60

asym_atl2_rms vs Slug



Right In: 7803.842+/-1.294 χ^2/NDF : 2049588.2/34

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

Right Out: 7781.081+/-1.287 χ^2/NDF : 3615219.4/37

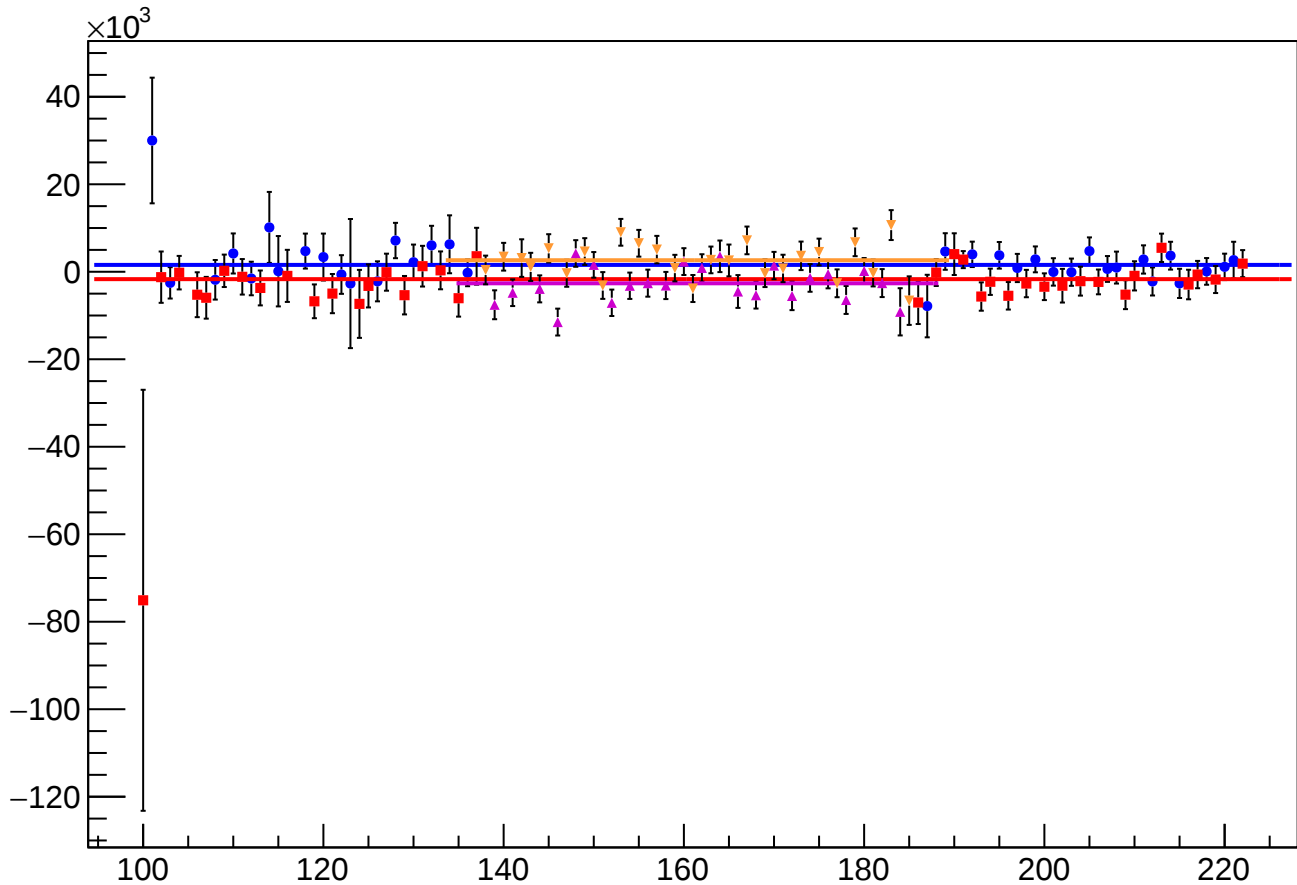
Left In: 9925.337+/-1.713 χ^2/NDF :1211554.7/22

+ sign 8568.475+/-1.018 χ^2/NDF : 4179498.4/59

All: 8561.428+/-0.724 χ^2/NDF : 10007712.0/100

- sign 8554.235+/-1.029 χ^2/NDF : 5828116.8/60

reg_asym_atr1_mean vs Slug



Right In: 1568.435 $\pm$ 639.063 χ^2 /NDF: 22.8/34

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

Right Out: -1688.033 $\pm$ 597.959 χ^2 /NDF: 29.8/37

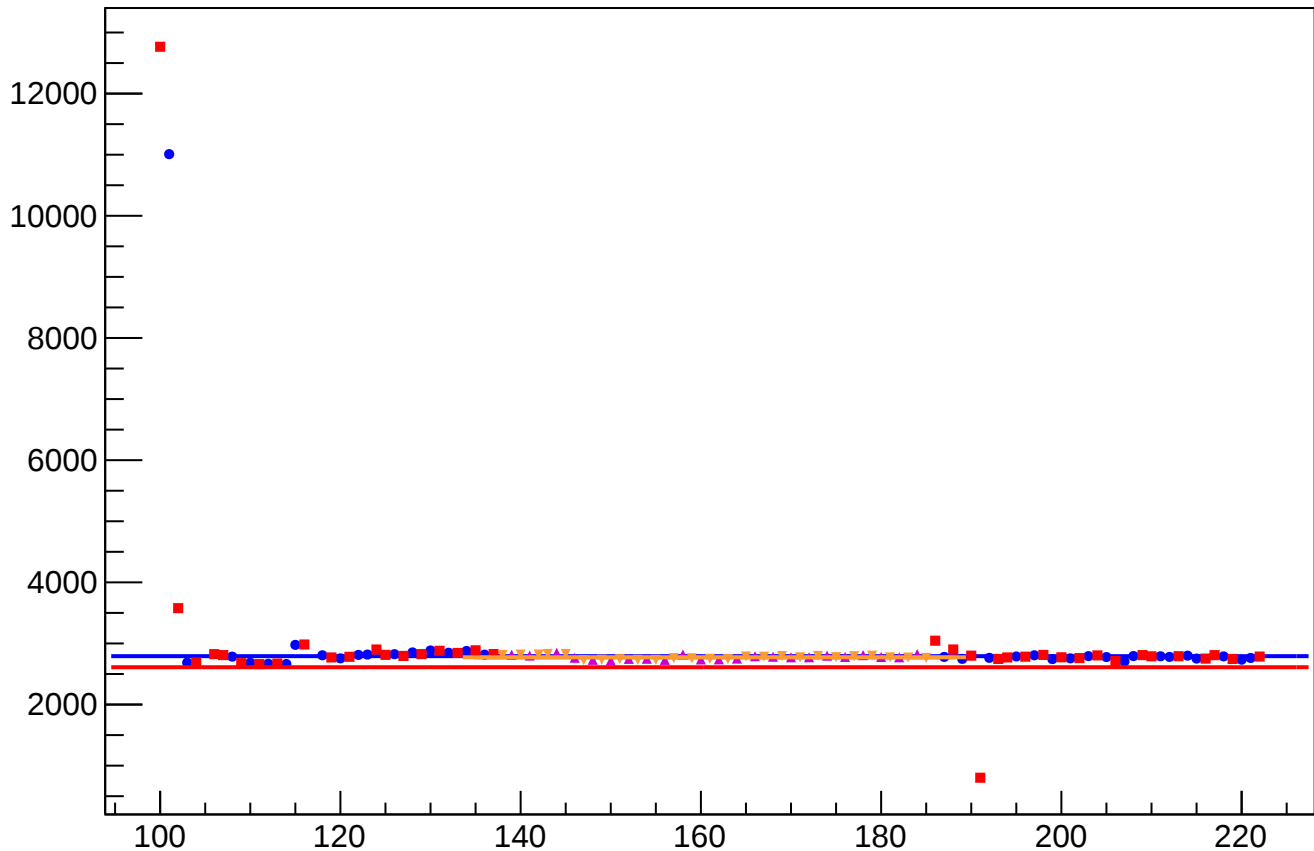
Left In: -2638.607 $\pm$ 664.569 χ^2 /NDF: 35.2/22

+ sign 2096.272 $\pm$ 454.361 χ^2 /NDF: 59.2/59

All: -54.641 $\pm$ 317.742 χ^2 /NDF: 169.2/120

- sign -2113.308 $\pm$ 444.511 χ^2 /NDF: 66.2/60

reg_asym_atr1_rms vs Slug



Right In: 2791.887+/-0.452 χ^2/NDF : 667922.0/34

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

Right Out: 2610.847+/-0.423 χ^2/NDF : 2047690.9/37

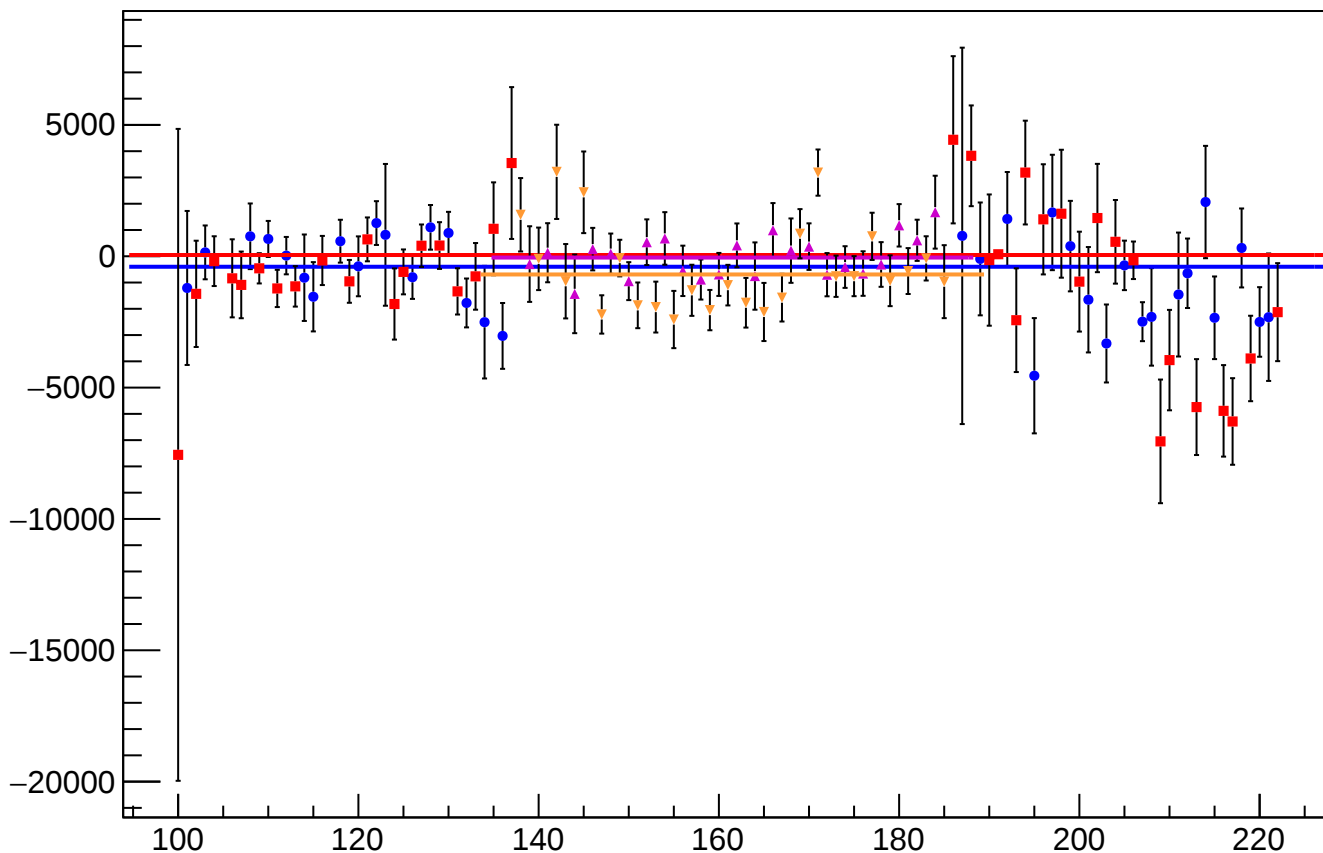
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2782.900+/-0.321 χ^2/NDF : 673338.3/59

All: 2732.293+/-0.225 χ^2/NDF : 2841216.0/12

- sign 2683.856+/-0.314 χ^2/NDF : 2119318.7/60

asym_atr1_correction_mean vs Slug



Right In: -399.294 ± 200.781 χ^2/NDF : 49.3/34

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

Right Out: 47.585 ± 37.766 χ^2/NDF : 87.4/37

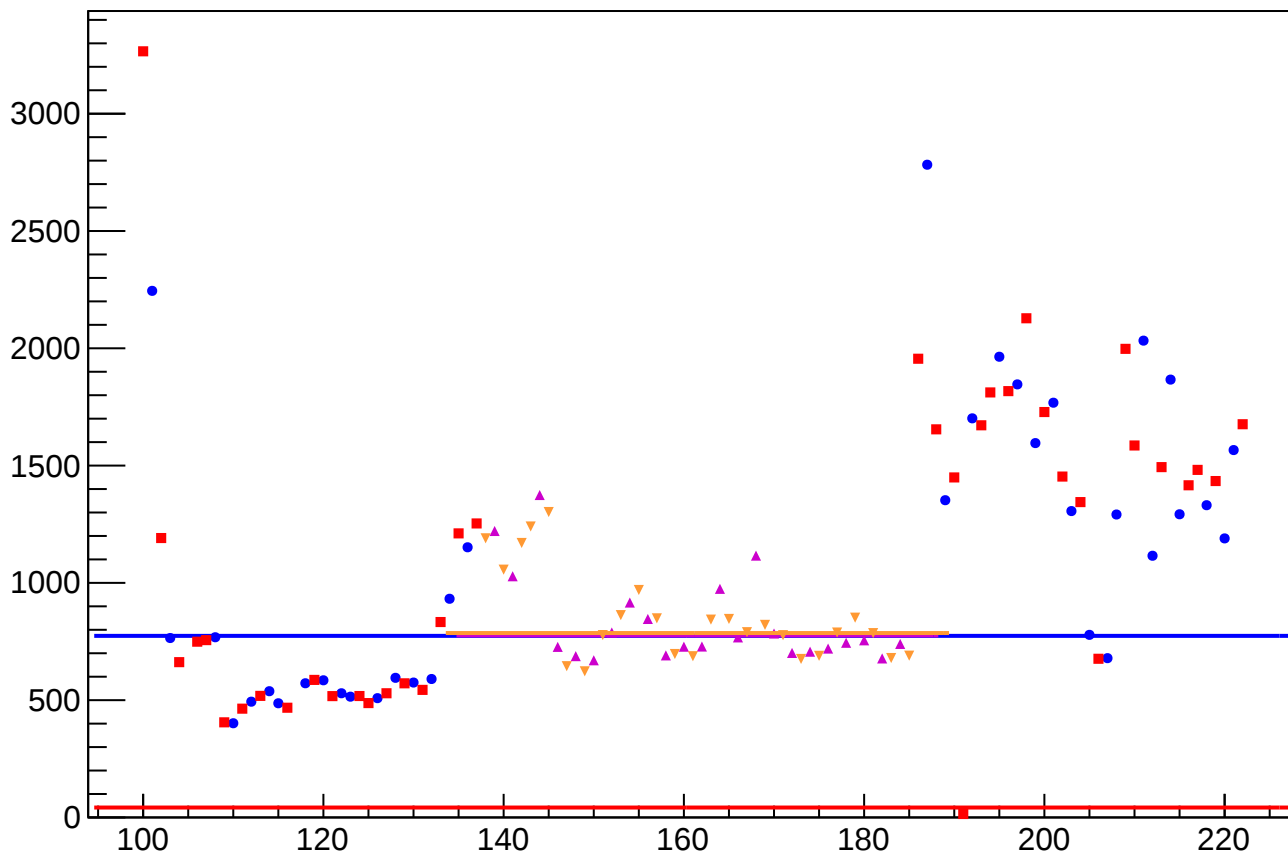
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -556.237 ± 136.958 χ^2/NDF : 106.5/59

All: 2.983 ± 35.751 χ^2/NDF : 225.7/120

- sign 43.874 ± 37.035 χ^2/NDF : 101.3/60

asym_atr1_correction_rms vs Slug



Right In: 774.119+/-0.142 χ^2/NDF : 8020257.6/34

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

Right Out: 42.296+/-0.027 χ^2/NDF : 36618031.1/37

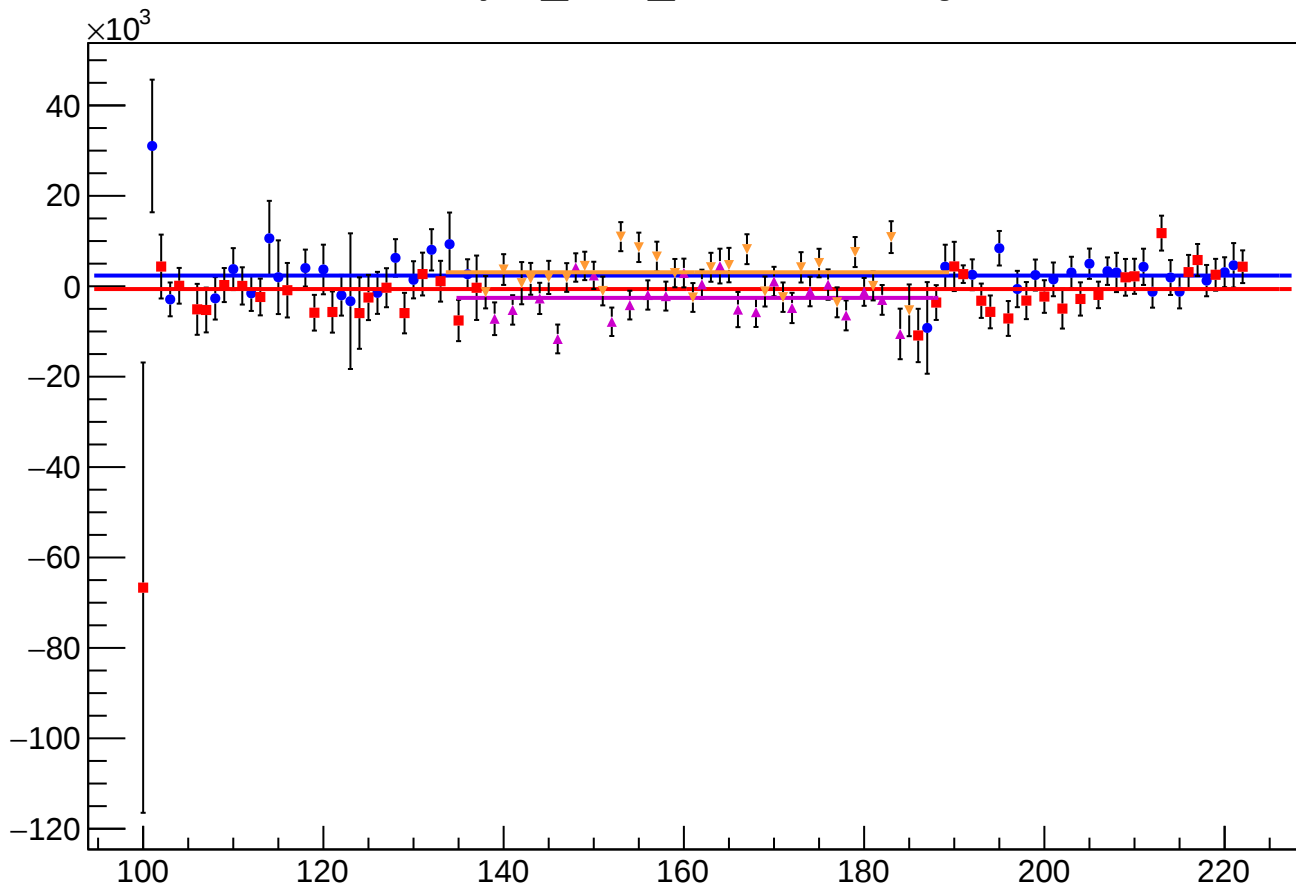
Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

+ sign 780.564+/-0.097 χ^2/NDF : 9273648.5/59

All: 118.799+/-0.025 χ^2/NDF : 125978734.5/1

- sign 70.409+/-0.026 χ^2/NDF : 66596495.4/60

asym_atr1_mean vs Slug



Right In: 2364.583 $\pm$ 708.725 χ^2 /NDF: 22.5/34

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

Right Out: -619.025 $\pm$ 660.761 χ^2 /NDF: 44.8/37

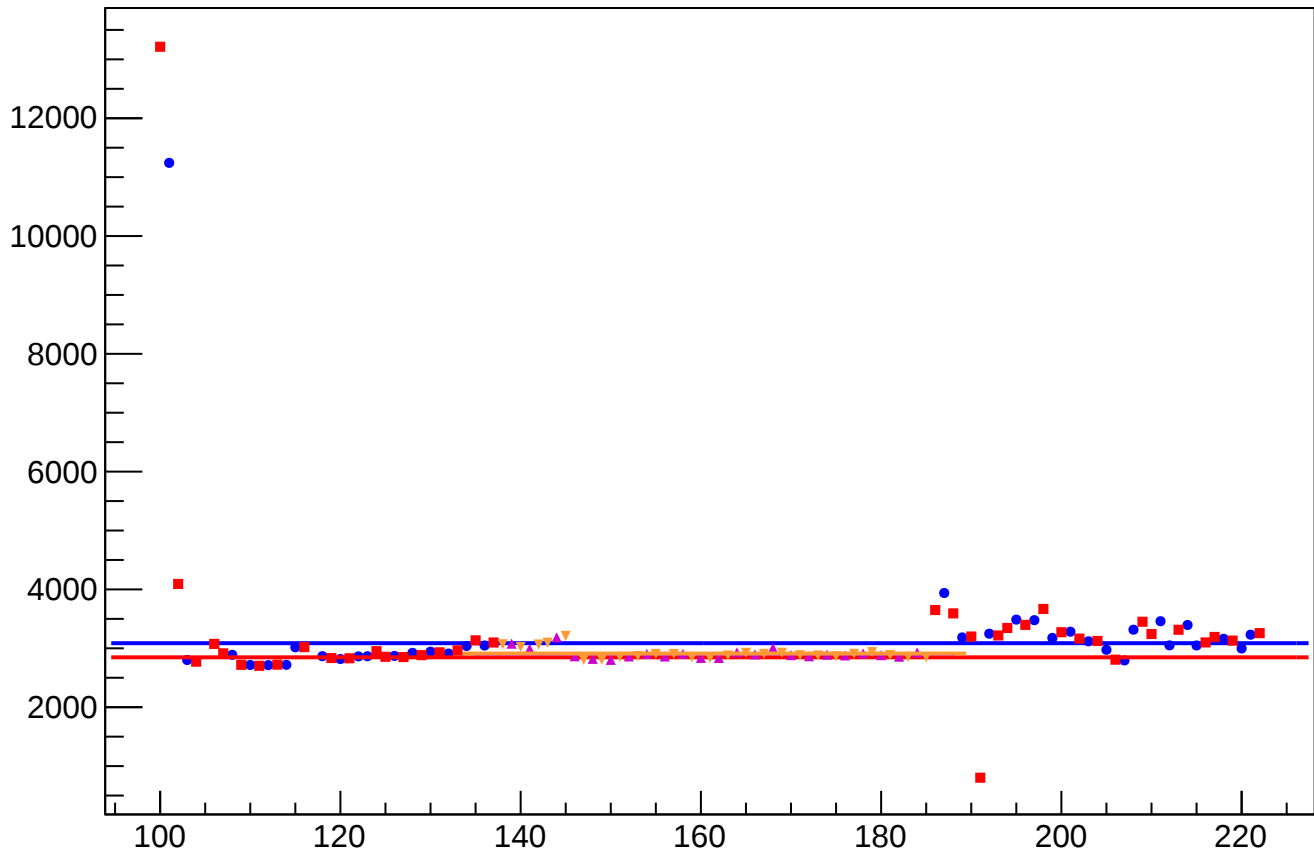
Left In: -2573.184 $\pm$ 695.795 χ^2 /NDF:35.7/22

+ sign 2745.602 $\pm$ 490.113 χ^2 /NDF: 61.7/59

All: 551.369 $\pm$ 342.615 χ^2 /NDF: 185.6/120

- sign -1545.672 $\pm$ 479.135 χ^2 /NDF: 84.7/60

asym_atr1_rms vs Slug



Right In: 3087.042+/-0.501 χ^2 /NDF: 826176.1/34

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

Right Out: 2846.972+/-0.467 χ^2 /NDF: 2884961.0/37

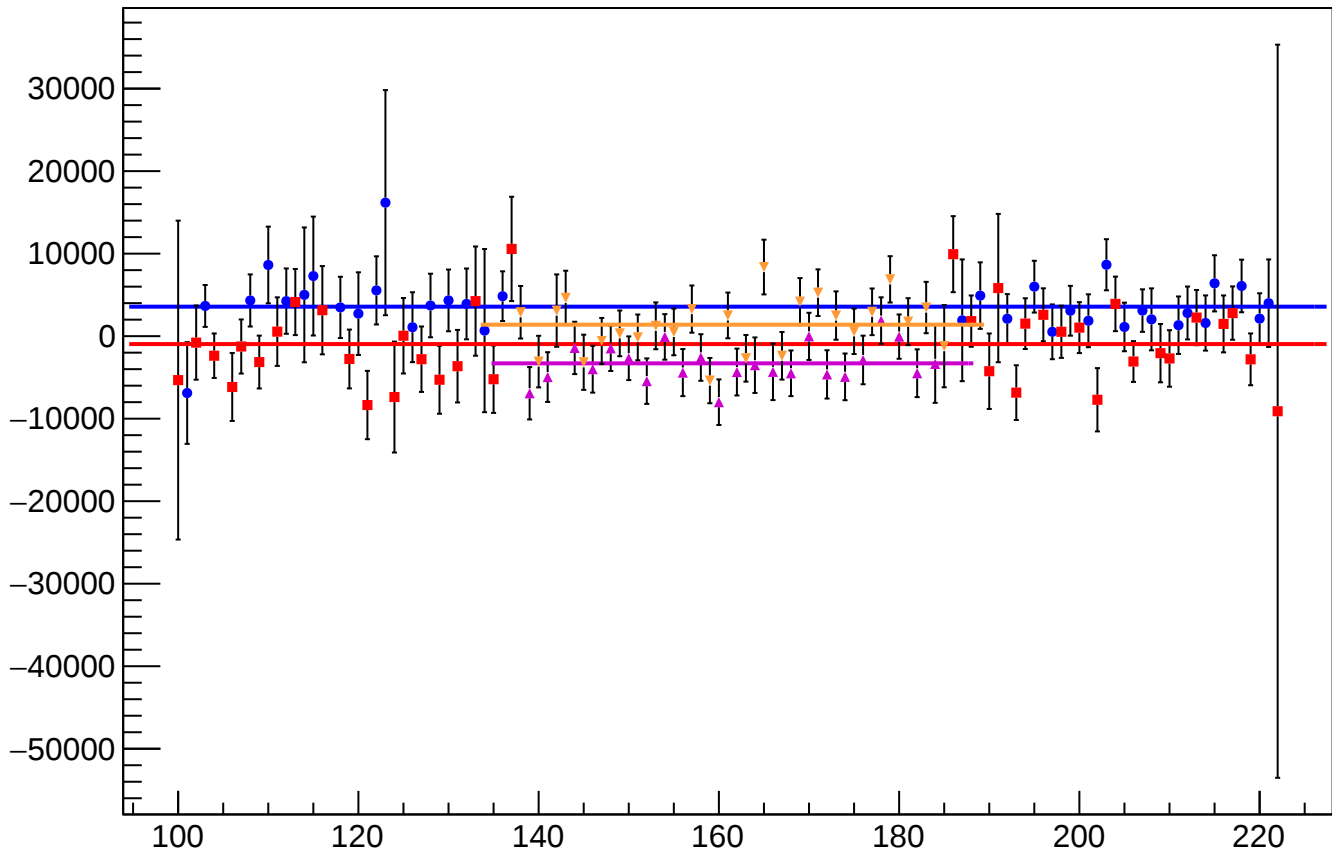
Left In: 2903.411+/-0.492 χ^2 /NDF:28838.5/22

+ sign 2995.306+/-0.347 χ^2 /NDF: 927040.8/59

All: 2933.144+/-0.242 χ^2 /NDF: 3910680.7/12

- sign 2873.735+/-0.339 χ^2 /NDF: 2920718.5/60

reg_asym_atr2_mean vs Slug



Right In: 3572.558 $\pm$ 620.174 χ^2 /NDF: 14.3/34

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

Right Out: -959.291 $\pm$ 613.983 χ^2 /NDF: 38.5/37

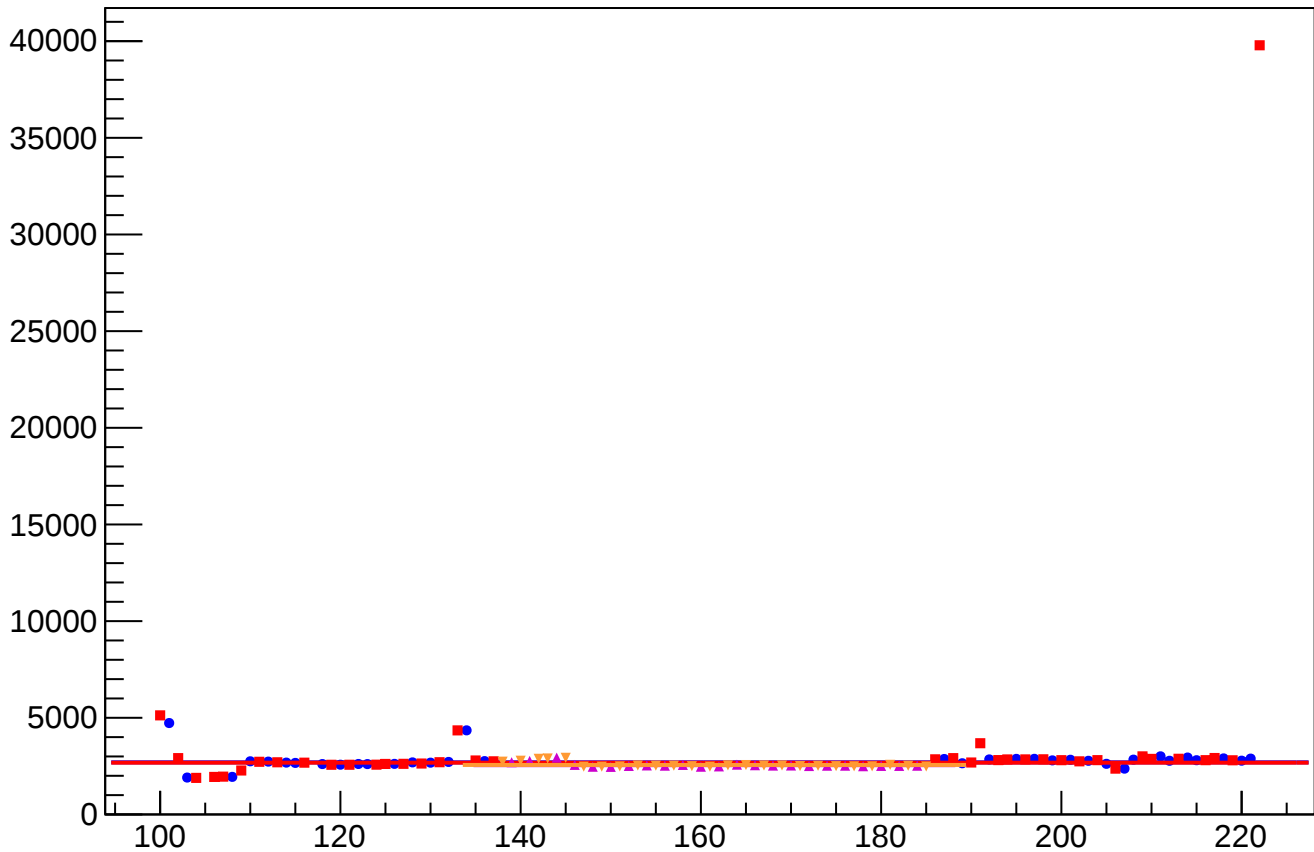
Left In: -3295.367 $\pm$ 609.991 χ^2 /NDF: 14.9/22

+ sign 2439.000 $\pm$ 429.921 χ^2 /NDF: 49.9/59

All: 166.938 $\pm$ 304.990 χ^2 /NDF: 166.8/120

- sign -2134.947 $\pm$ 432.733 χ^2 /NDF: 60.7/60

reg_asym_atr2_rms vs Slug



Right In: 2695.870+/-0.439 χ^2/NDF : 689432.4/34

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

Right Out: 2678.596+/-0.434 χ^2/NDF : 2093419.7/37

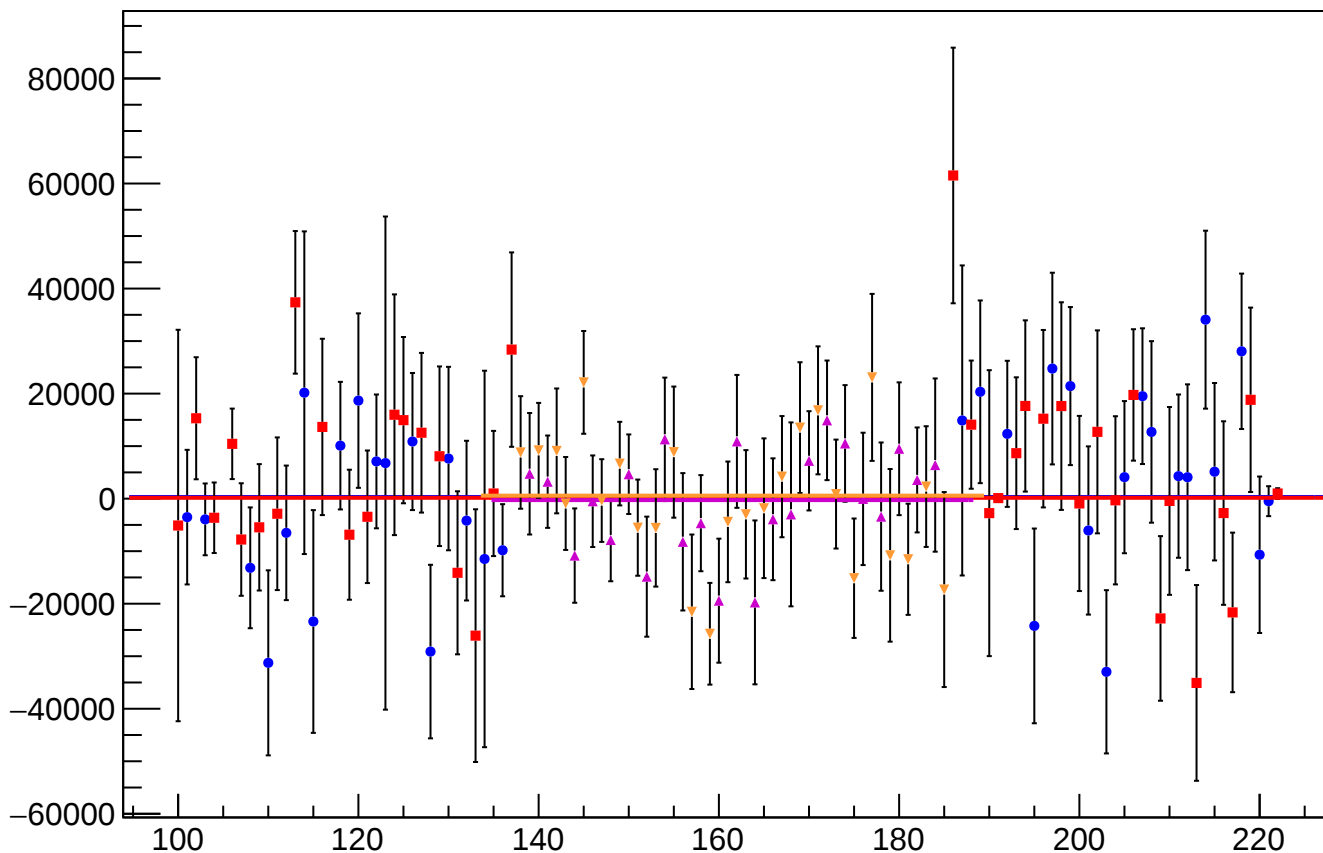
Left In: 2548.870+/-0.431 χ^2/NDF : 55266.2/22

+ sign 2625.570+/-0.304 χ^2/NDF : 825678.1/59

All: 2619.480+/-0.216 χ^2/NDF : 3020105.4/12

- sign 2613.310+/-0.306 χ^2/NDF : 2193619.4/60

asym_atr2_correction_mean vs Slug



Right In: 308.505 $\pm$ 1875.554 χ^2 /NDF: 38.4/34

Left Out: 572.477 $\pm$ 2184.376 χ^2 /NDF:28.2/24

Right Out: 166.992 $\pm$ 191.328 χ^2 /NDF: 43.7/37

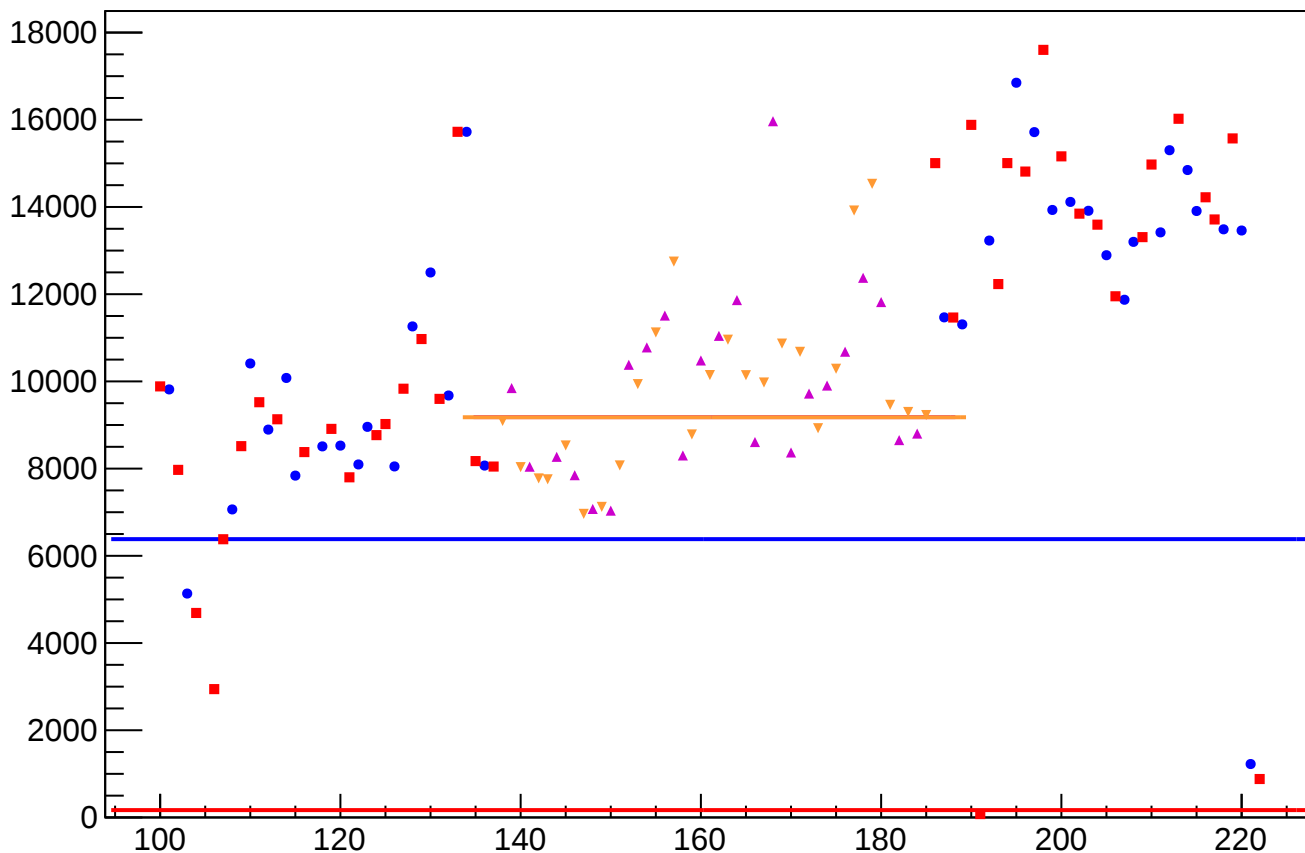
Left In: -275.116 $\pm$ 2242.836 χ^2 /NDF:15.7/22

+ sign 420.527 $\pm$ 1422.986 χ^2 /NDF: 66.7/59

All: 168.324 $\pm$ 188.948 χ^2 /NDF: 126.1/120

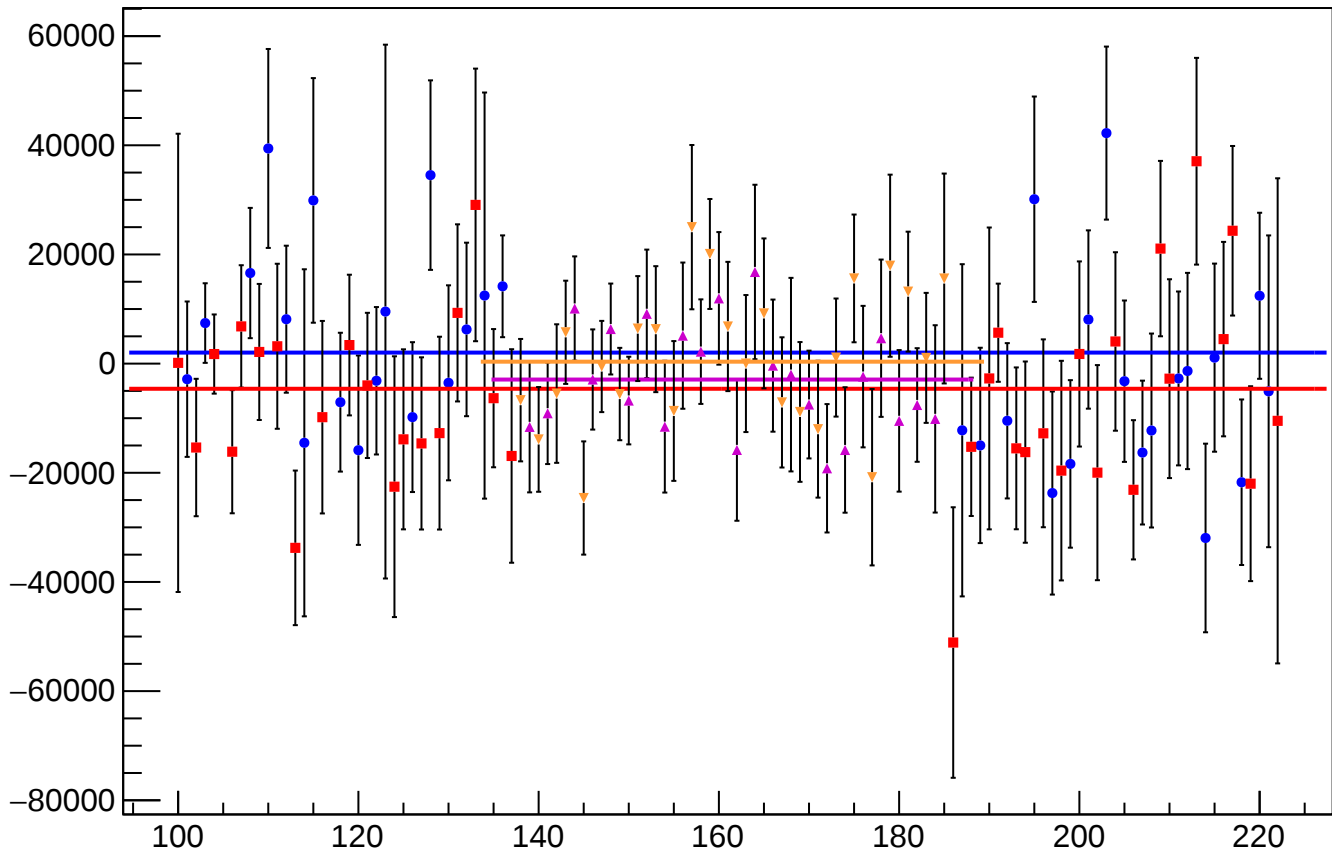
- sign 163.798 $\pm$ 190.636 χ^2 /NDF: 59.4/60

asym_atr2_correction_rms vs Slug



Right In: 6382.466+/-1.326	χ^2/NDF : 14991344.6/34	+ sign 7568.679+/-1.006	χ^2/NDF : 18052707.1/59
Left Out: 9177.688+/-1.545	χ^2/NDF : 1176195.8/24	All: 362.968+/-0.134	χ^2/NDF : 141859821.8/...
Right Out: 168.530+/-0.135	χ^2/NDF : 38303597.0/37	- sign 233.643+/-0.135	χ^2/NDF : 71602618.3/60
Left In: 9181.254+/-1.586	χ^2/NDF : 1236469.7/22		

asym_atr2_mean vs Slug



Right In: 2019.958 $\pm$ 2585.473 χ^2 /NDF: 40.4/34

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

Right Out: -4608.030 $\pm$ 2415.266 χ^2 /NDF: 35.9/37

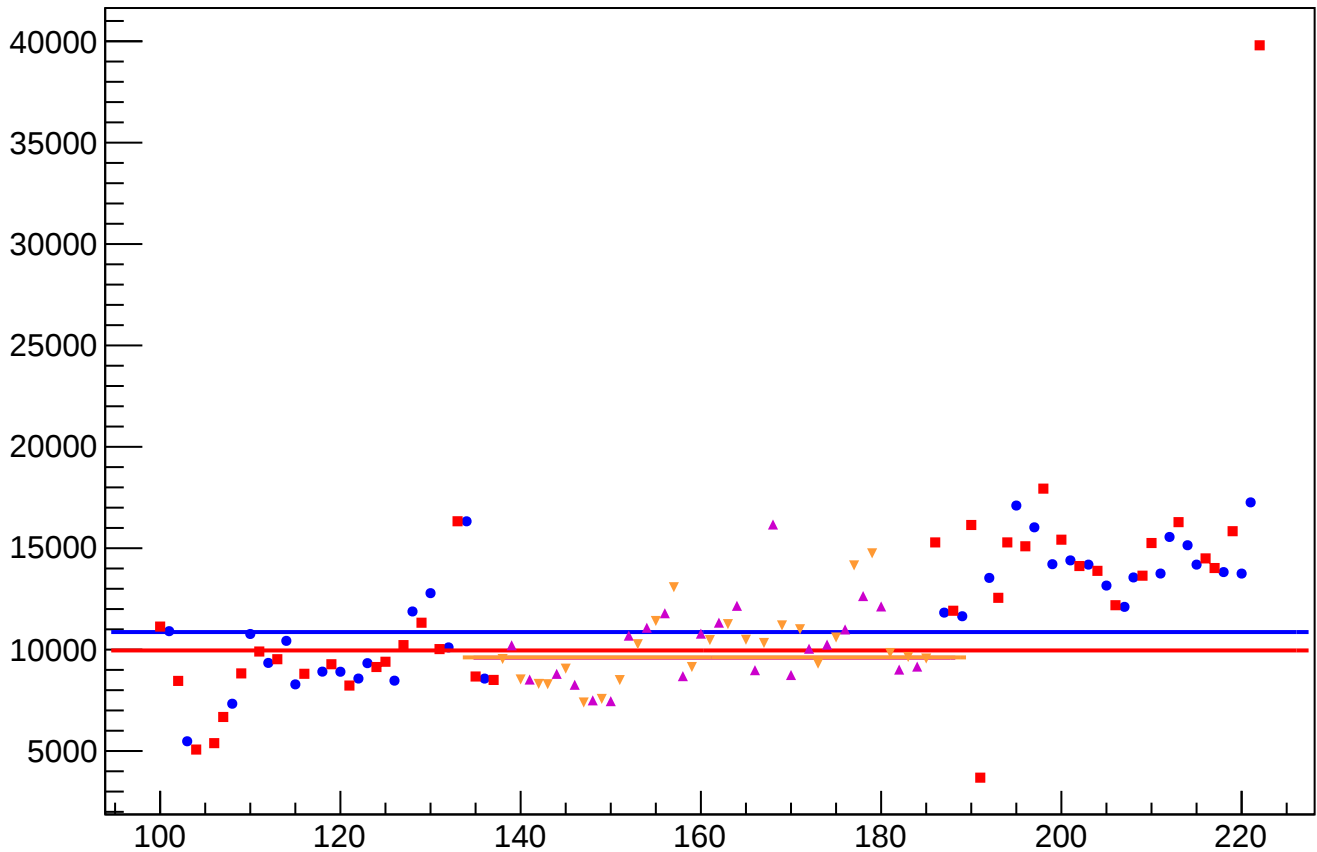
Left In: -2918.356 $\pm$ 2338.461 χ^2 /NDF: 14.9/22

+ sign 1084.365 $\pm$ 1710.766 χ^2 /NDF: 66.9/59

All: -1369.446 $\pm$ 1198.683 χ^2 /NDF: 122.0/12

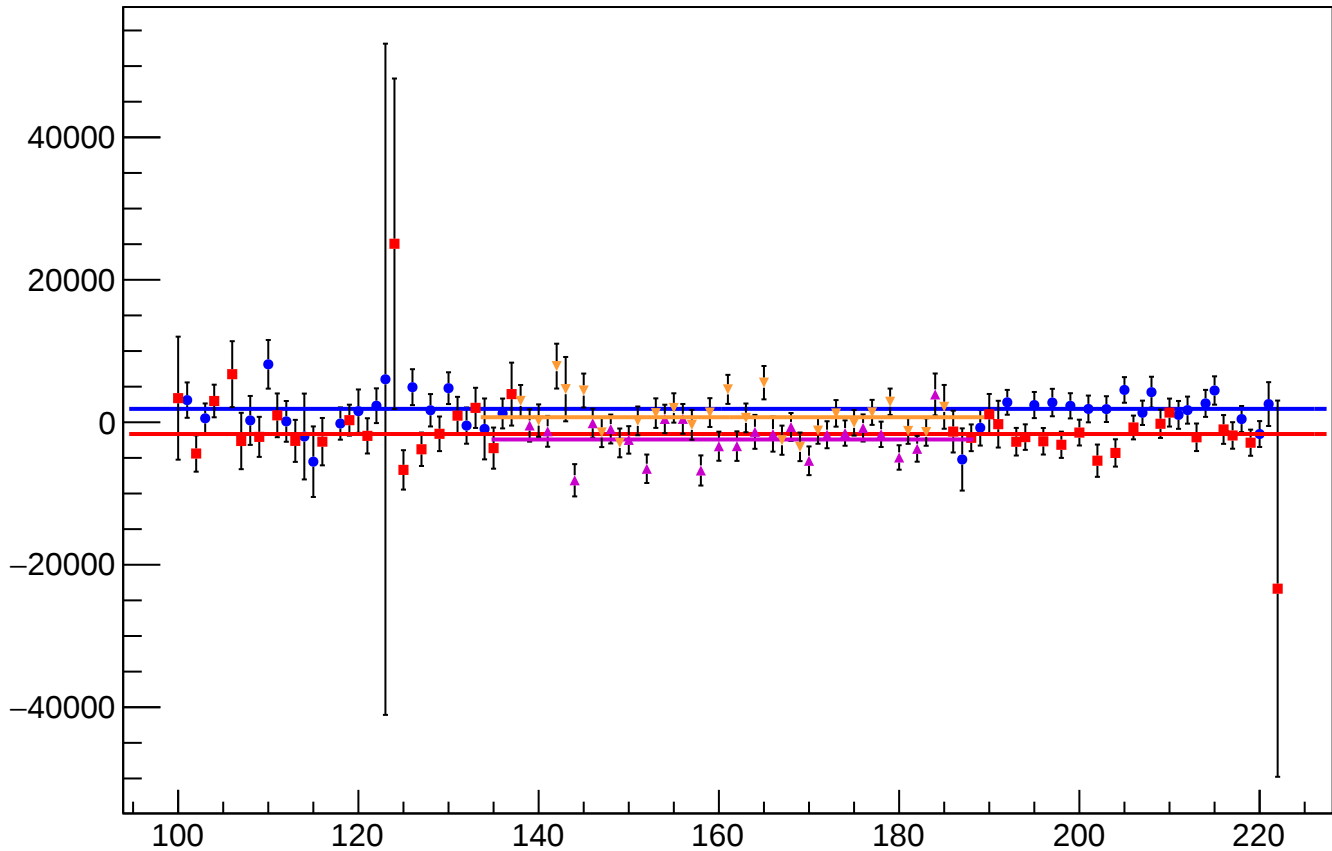
- sign -3735.900 $\pm$ 1680.038 χ^2 /NDF: 51.1/60

asym_atr2_rms vs Slug



Right In: 10865.837+/-1.828	χ^2/NDF : 3196829.9/34	+ sign 10163.349+/-1.210	χ^2/NDF : 4471133.3/59
Left Out: 9616.245+/-1.613	χ^2/NDF : 1011665.6/24	All: 9964.611+/-0.848	χ^2/NDF : 11653850.7/1
Right Out: 9959.012+/-1.708	χ^2/NDF : 6024530.4/37	- sign 9772.957+/-1.188	χ^2/NDF : 7129698.5/60
Left In: 9598.531+/-1.654	χ^2/NDF : 1082171.6/22		

reg_asym_atl_avg_mean vs Slug



Right In: 1882.899 ± 381.514 χ^2/NDF : 27.0/34

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

Right Out: -1647.328 ± 385.621 χ^2/NDF : 32.6/37

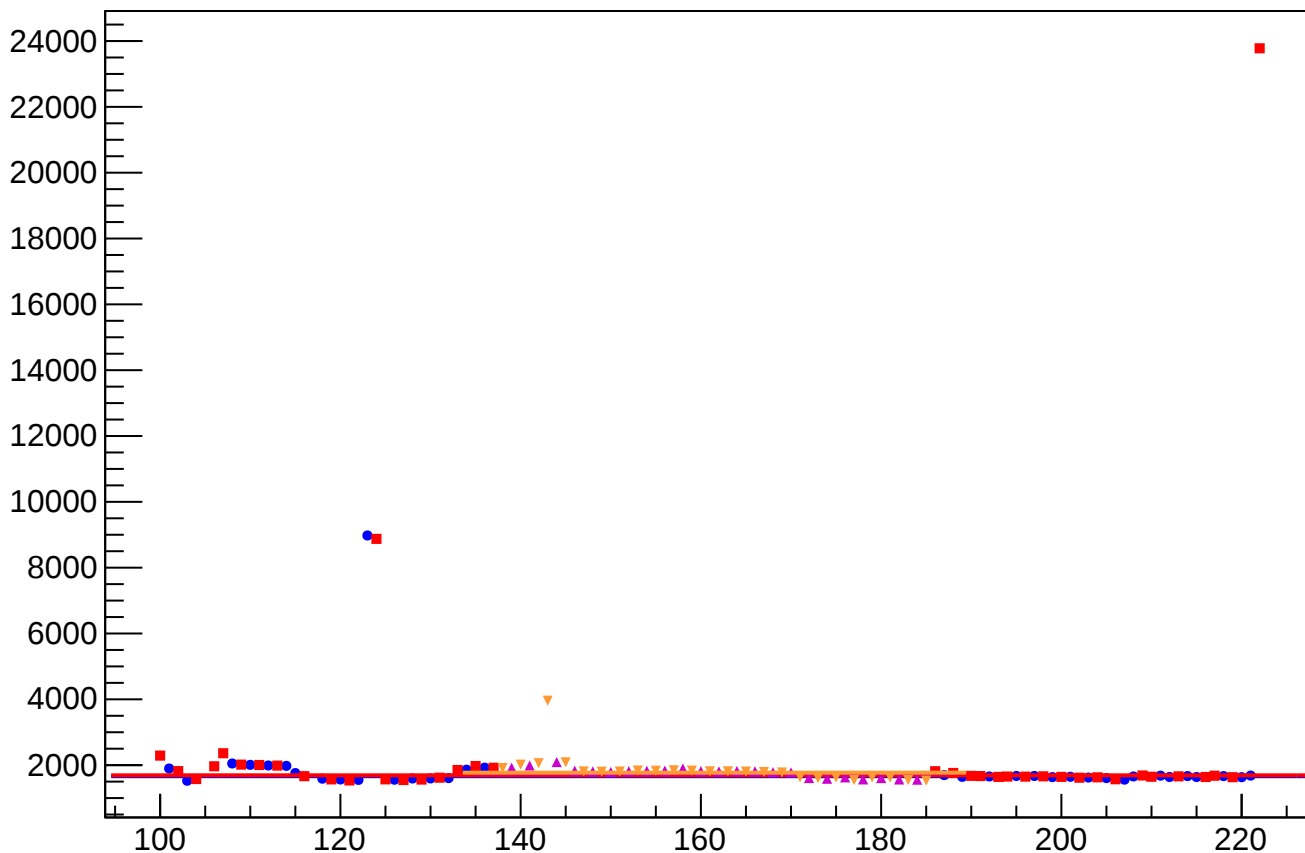
Left In: -2414.749 ± 423.472 χ^2/NDF : 34.0/22

+ sign 1348.871 ± 281.598 χ^2/NDF : 66.2/59

All: -302.393 ± 200.353 χ^2/NDF : 204.2/120

- sign -1995.215 ± 285.119 χ^2/NDF : 68.4/60

reg_asym_atl_avg_rms vs Slug



Right In: 1664.722+/-0.270 χ^2/NDF : 217181.1/34

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

Right Out: 1691.617+/-0.272 χ^2/NDF : 1840838.9/37

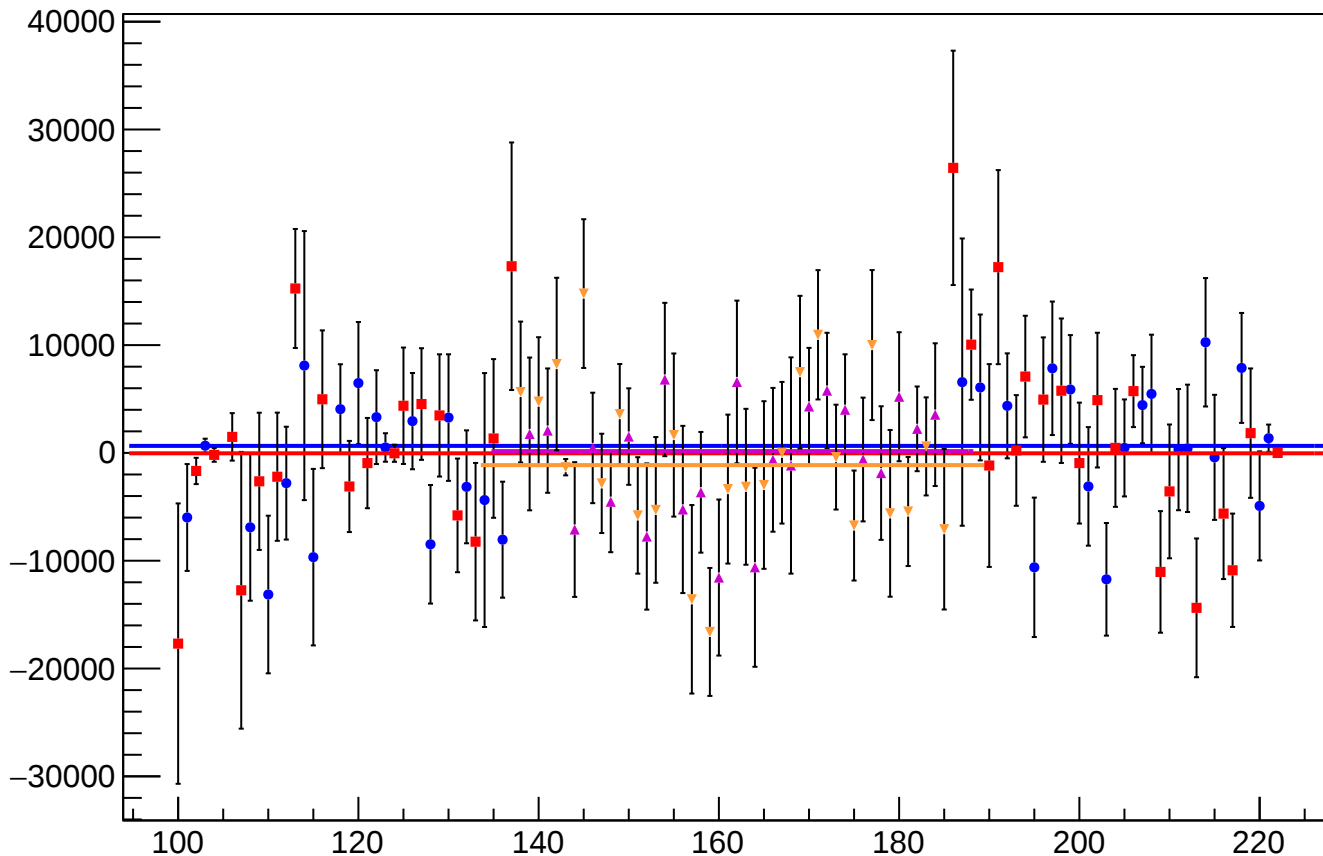
Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

+ sign 1713.576+/-0.199 χ^2/NDF : 991697.6/59

All: 1717.929+/-0.142 χ^2/NDF : 3076611.3/12

- sign 1722.385+/-0.201 χ^2/NDF : 2083946.5/60

asym_atl_avg_correction_mean vs Slug



Right In: 652.557+/-464.582 χ^2/NDF : 38.7/34

Left Out: -1129.807+/-647.600 χ^2/NDF :31.5/24

Right Out: -35.342+/-307.461 χ^2/NDF : 55.5/37

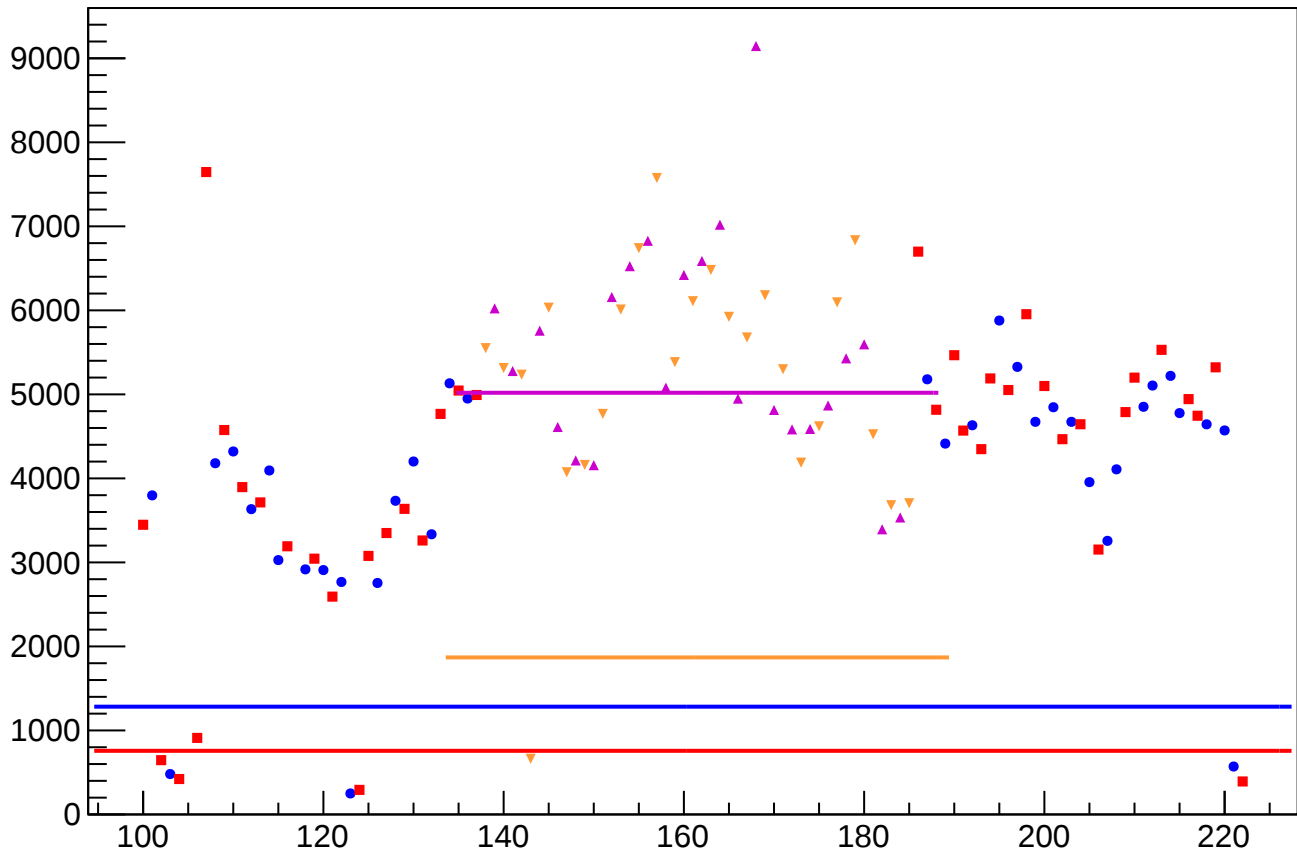
Left In: 168.182+/-1232.411 χ^2/NDF :14.2/22

+ sign 46.943+/-377.491 χ^2/NDF : 75.2/59

All: 3.632+/-234.054 χ^2/NDF : 144.8/120

- sign -23.417+/-298.317 χ^2/NDF : 69.6/60

asym_atl_avg_correction_rms vs Slug



Right In: 1282.838 $\pm$ 0.329 χ^2 /NDF: 22803334.1/34

Left Out: 1868.983 $\pm$ 0.458 χ^2 /NDF: 19852416.6/24

Right Out: 757.442 $\pm$ 0.217 χ^2 /NDF: 27270221.7/37

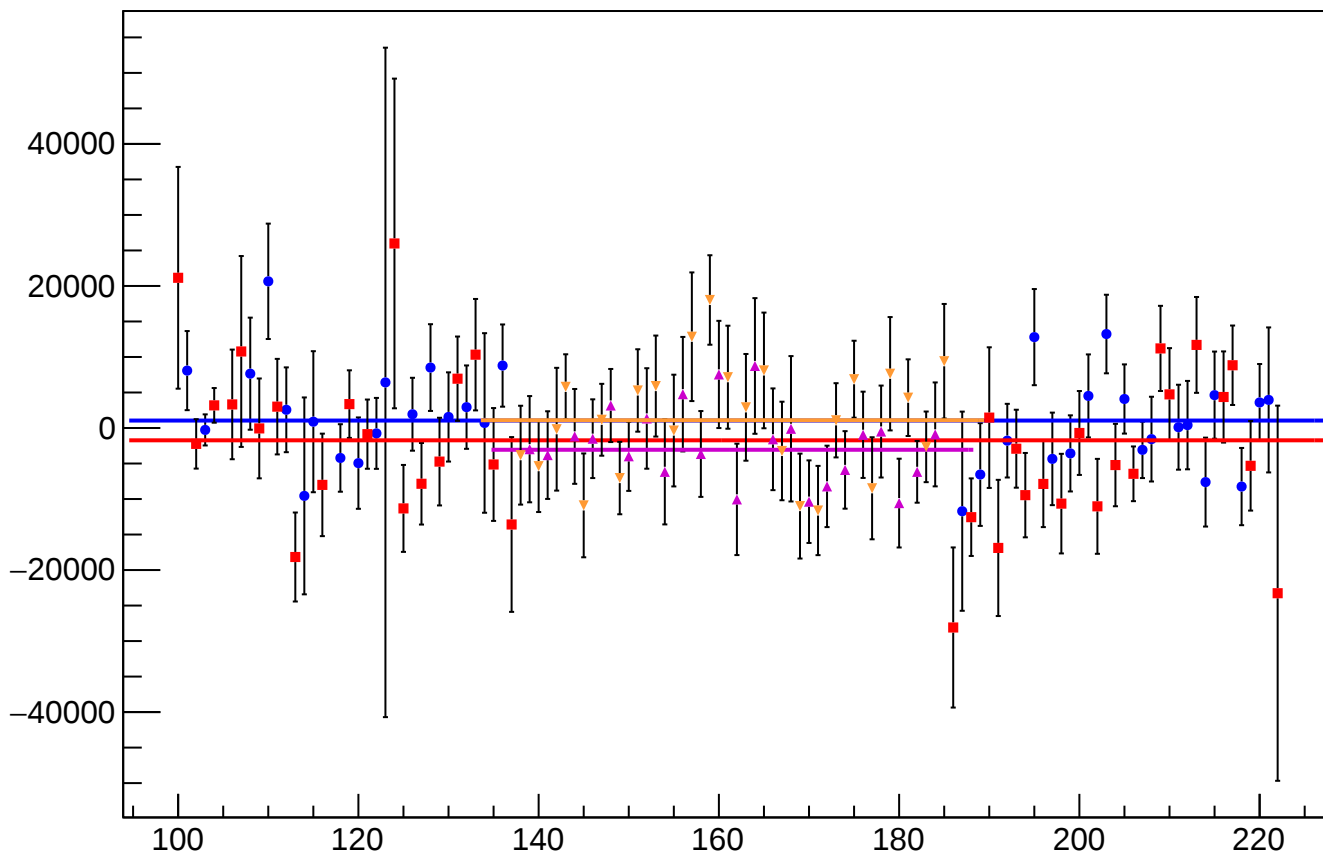
Left In: 5019.114 $\pm$ 0.871 χ^2 /NDF: 1569031.9/22

+ sign 1481.999 $\pm$ 0.267 χ^2 /NDF: 43737470.2/59

All: 1189.695 $\pm$ 0.166 χ^2 /NDF: 97039008.3/100

- sign 1007.146 $\pm$ 0.211 χ^2 /NDF: 51353435.8/60

asym_atl_avg_mean vs Slug



Right In: 1049.144+/-953.321 χ^2/NDF : 33.8/34

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

Right Out: -1733.656+/-963.093 χ^2/NDF : 63.0/37

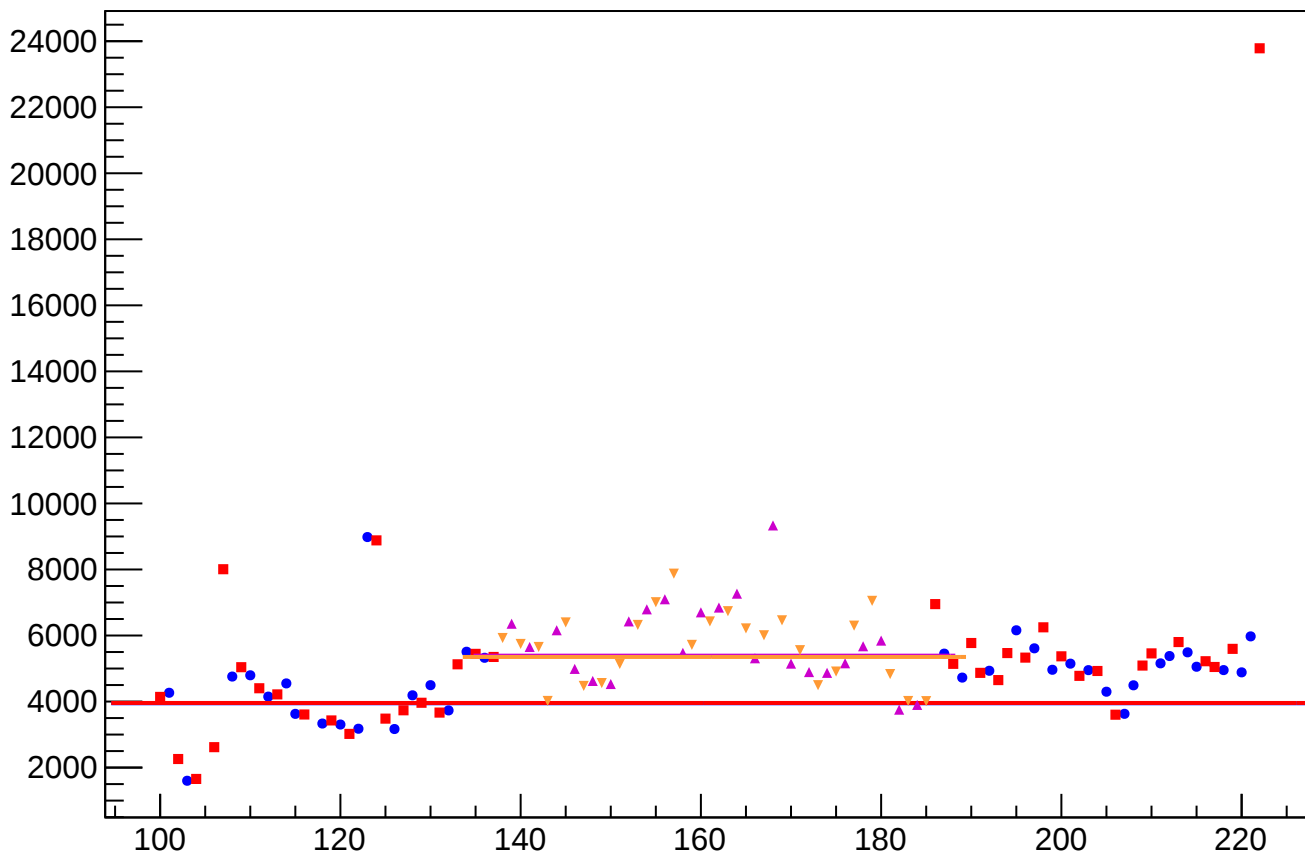
Left In: -3064.775+/-1318.173 χ^2/NDF : 12.6/22

+ sign 1065.373+/-763.092 χ^2/NDF : 65.8/59

All: -534.964+/-544.660 χ^2/NDF : 151.0/120

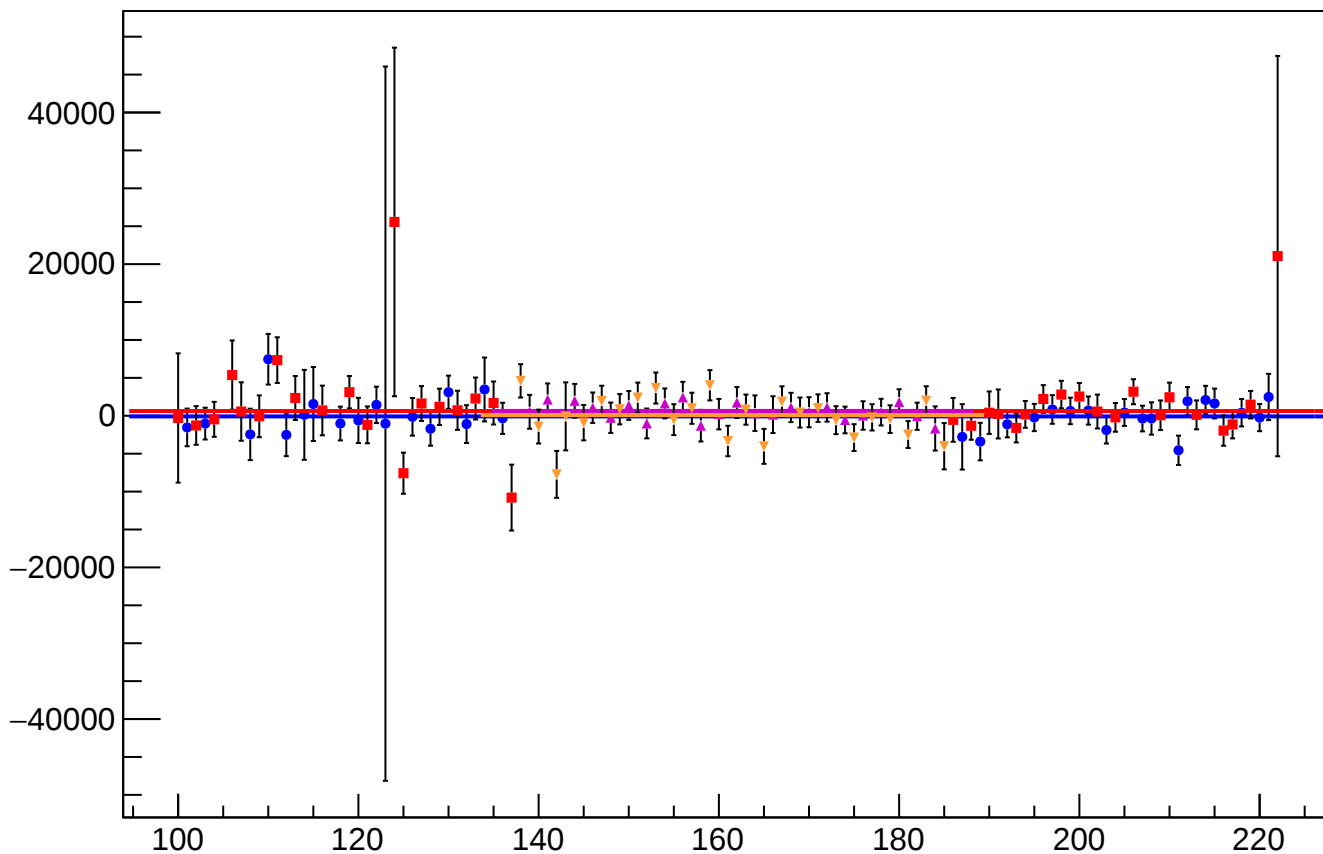
- sign -2196.928+/-777.646 χ^2/NDF : 76.3/60

asym_atl_avg_rms vs Slug



Right In: 3948.023+/-0.674	χ^2/NDF : 3996099.7/34	+ sign 4451.997+/-0.540	χ^2/NDF : 6793394.2/59
Left Out: 5350.804+/-0.900	χ^2/NDF : 1241497.9/24		
Right Out: 3957.105+/-0.675	χ^2/NDF : 5731534.4/37	All: 4451.191+/-0.384	χ^2/NDF : 15383783.4/100
Left In: 5389.724+/-0.932	χ^2/NDF : 1309863.0/22	- sign 4450.363+/-0.547	χ^2/NDF : 8590384.7/60

reg_asym_atl_dd_mean vs Slug



Right In: -84.562 ± 376.301 χ^2/NDF : 24.8/34

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

Right Out: 626.486 ± 380.162 χ^2/NDF : 40.2/37

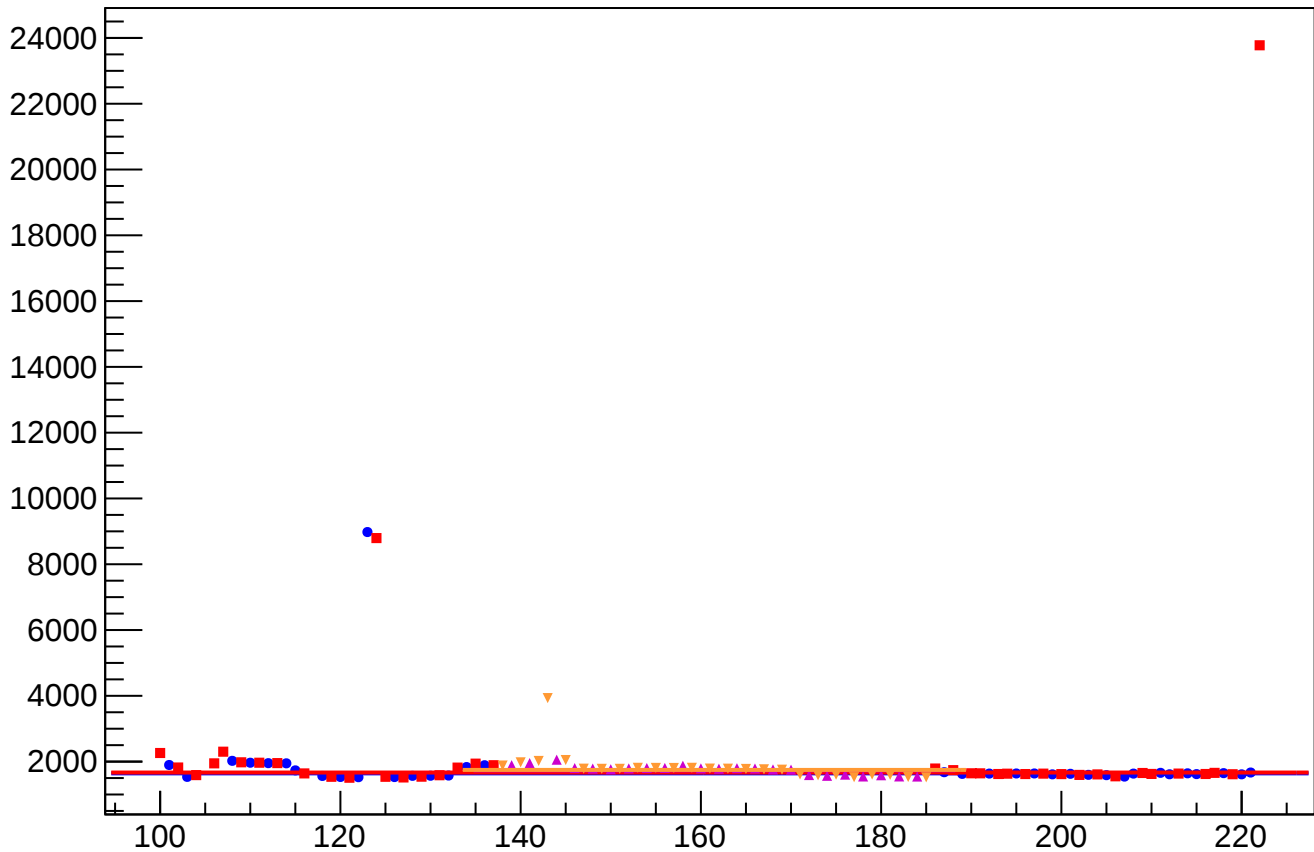
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -6.795 ± 277.706 χ^2/NDF : 60.9/59

All: 309.037 ± 197.569 χ^2/NDF : 109.9/120

- sign 632.716 ± 281.134 χ^2/NDF : 46.3/60

reg_asym_atl_dd_rms vs Slug



Right In: 1642.018+/-0.266 χ^2/NDF : 214545.7/34

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

Right Out: 1667.823+/-0.268 χ^2/NDF : 1838944.4/37

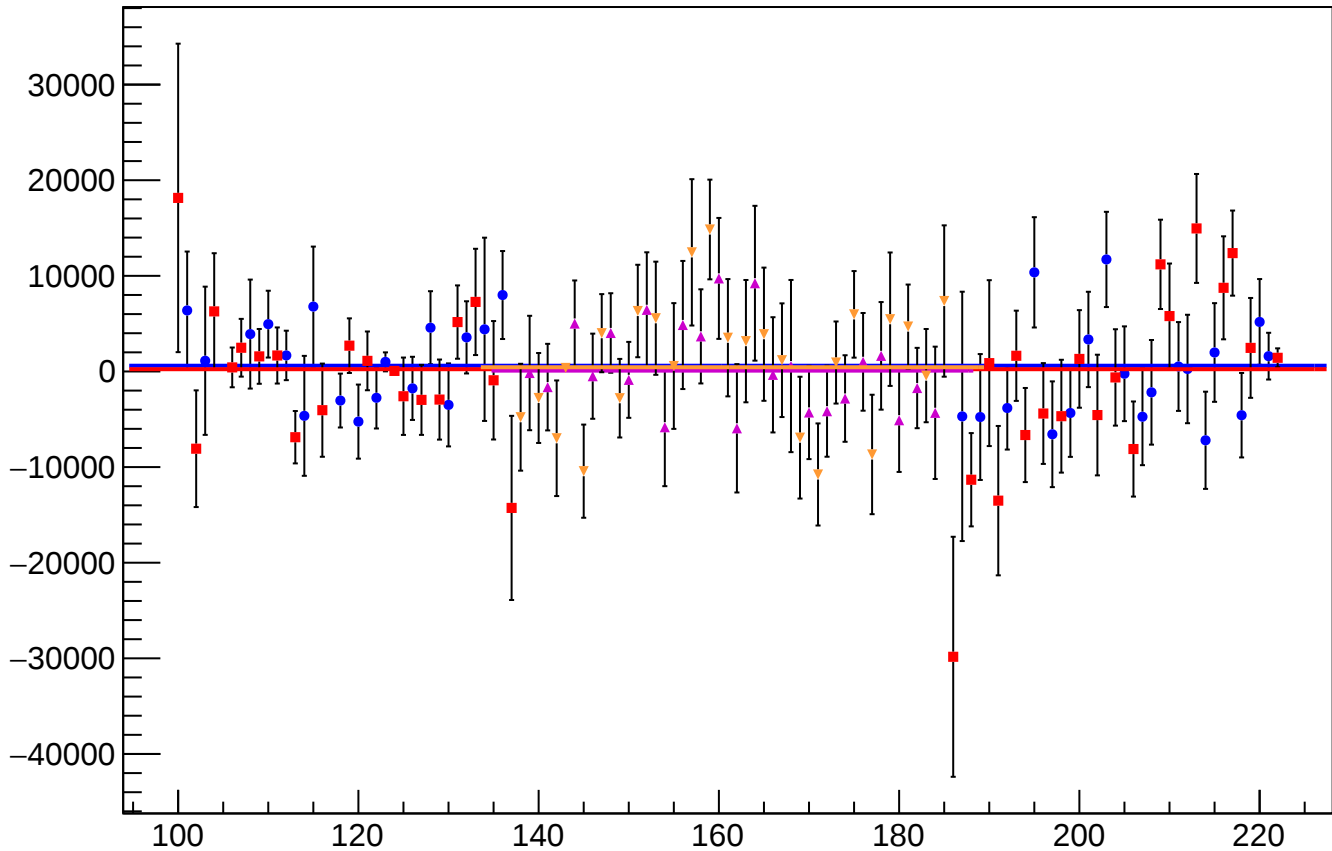
Left In: 1735.540+/-0.295 χ^2/NDF : 206766.6/22

+ sign 1689.970+/-0.196 χ^2/NDF : 984055.8/59

All: 1694.166+/-0.140 χ^2/NDF : 3059482.3/12

- sign 1698.459+/-0.199 χ^2/NDF : 2074502.7/60

asym_atl_dd_correction_mean vs Slug



Right In: 600.679 ± 596.612 χ^2/NDF : 34.9/34

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

Right Out: 235.985 ± 325.141 χ^2/NDF : 67.3/37

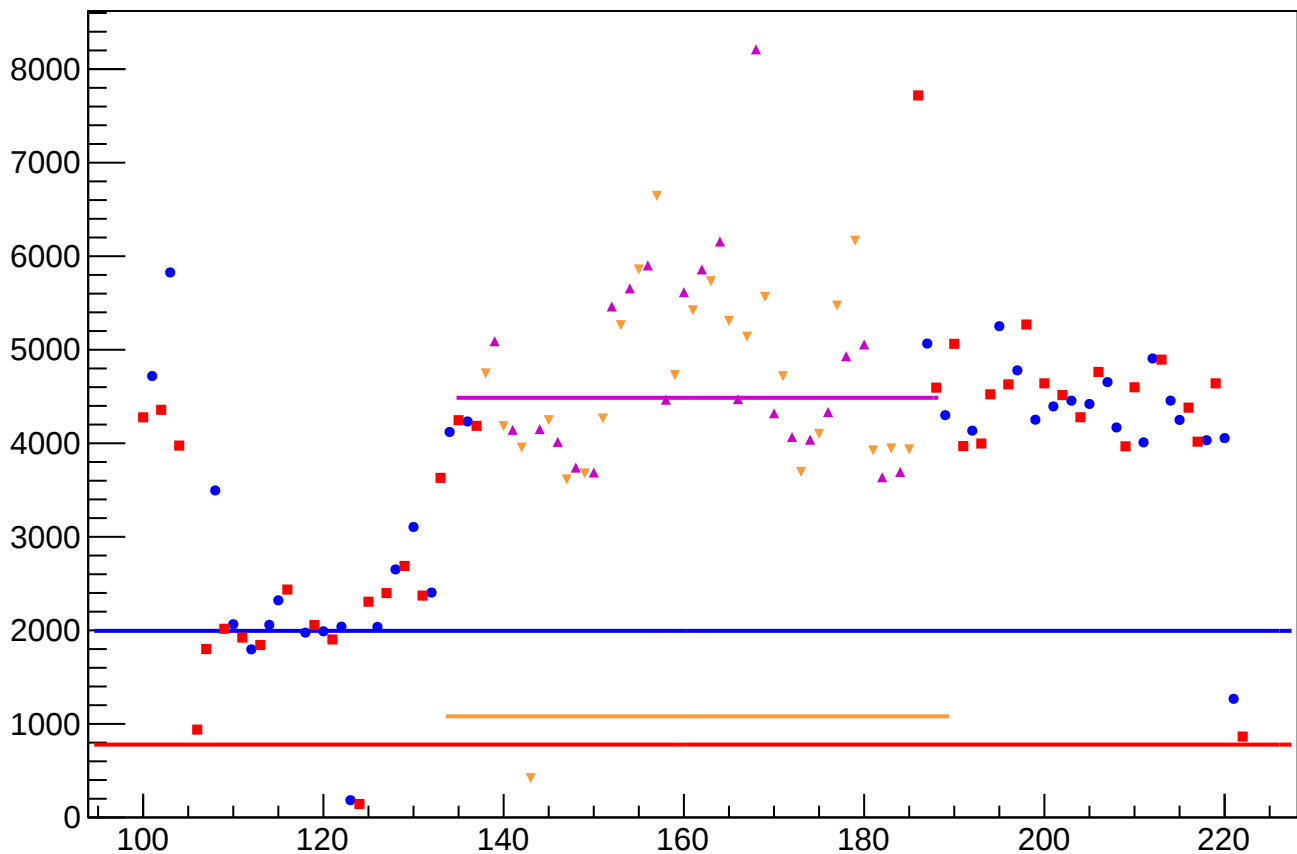
Left In: 88.508 ± 1094.838 χ^2/NDF : 13.4/22

+ sign 498.078 ± 354.288 χ^2/NDF : 68.9/59

All: 343.596 ± 234.016 χ^2/NDF : 149.9/120

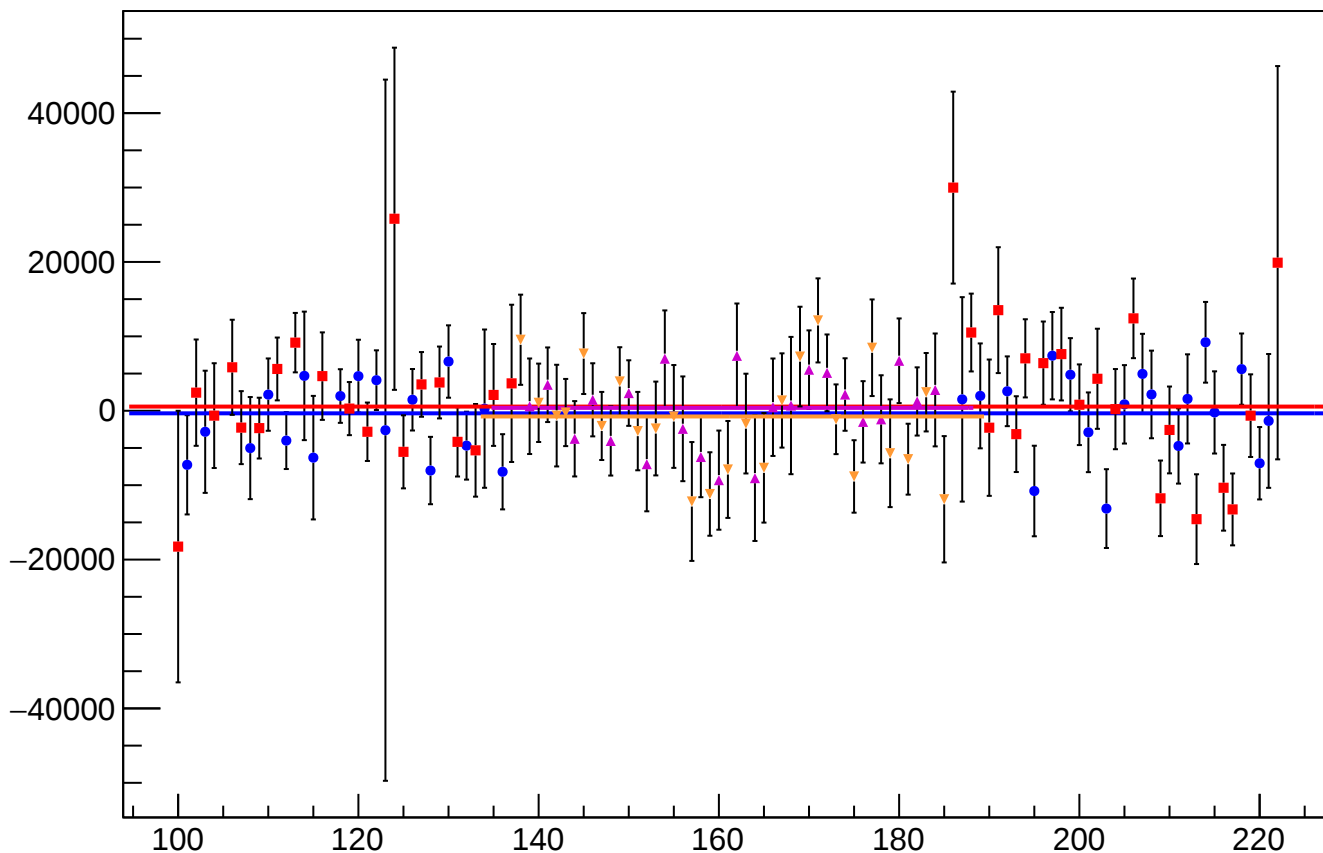
- sign 224.032 ± 311.687 χ^2/NDF : 80.7/60

asym_atl_dd_correction_rms vs Slug



Right In: 1994.903+/-0.422	χ^2/NDF : 16017846.7/34	+ sign 1403.279+/-0.251	χ^2/NDF : 43512107.1/59
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1220.710+/-0.165	χ^2/NDF : 95298825.2/100
Right Out: 778.912+/-0.230	χ^2/NDF : 28585291.4/37	- sign 1079.407+/-0.220	χ^2/NDF : 50844570.1/60
Left In: 4486.570+/-0.774	χ^2/NDF : 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -343.740 ± 914.995 χ^2/NDF : 35.8/34

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

Right Out: 562.538 ± 901.562 χ^2/NDF : 61.5/37

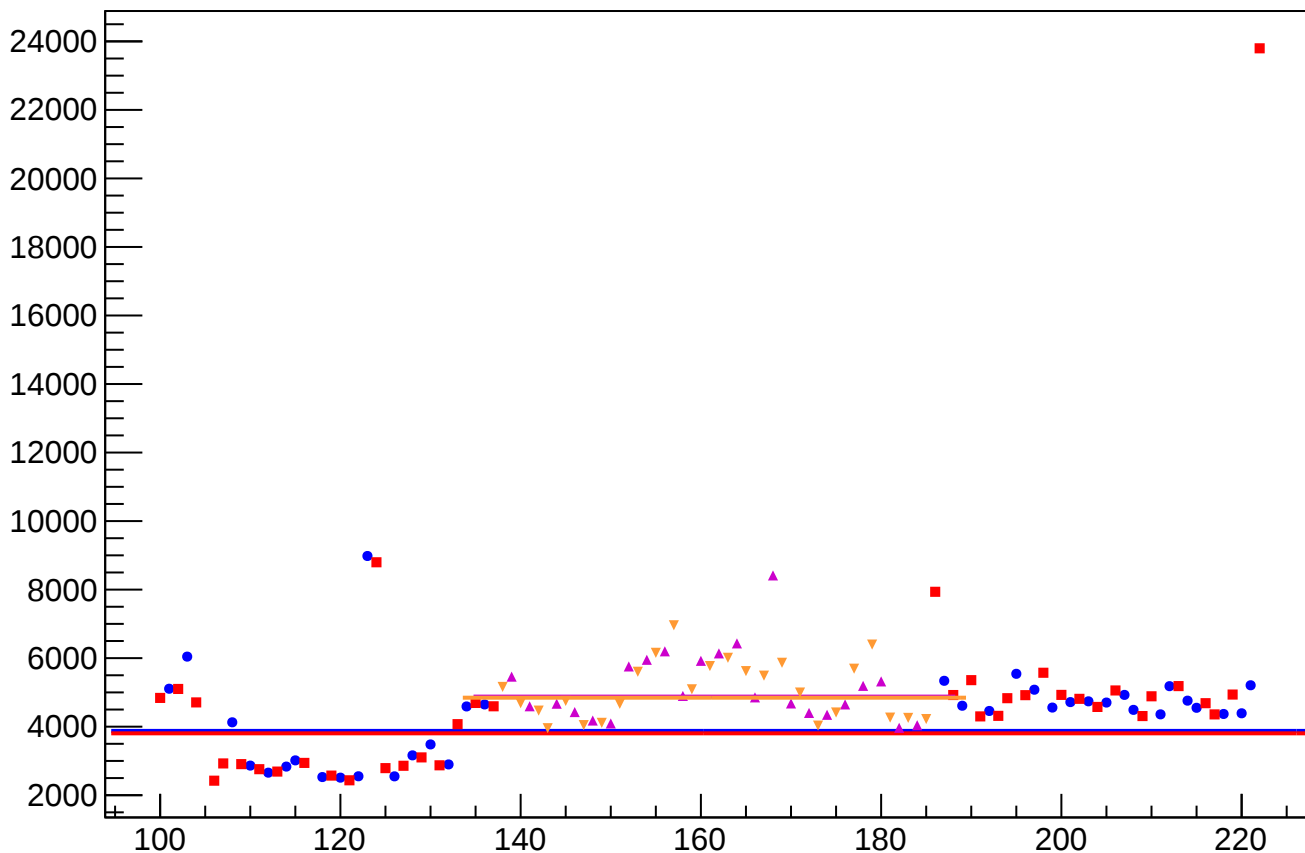
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -507.892 ± 715.373 χ^2/NDF : 65.9/59

All: -6.158 ± 506.700 χ^2/NDF : 142.5/120

- sign 498.983 ± 717.797 χ^2/NDF : 75.6/60

asym_atl_dd_rms vs Slug



Right In: 3876.535+/-0.647 χ^2/NDF : 2524560.3/34

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

Right Out: 3805.513+/-0.633 χ^2/NDF : 4150209.8/37

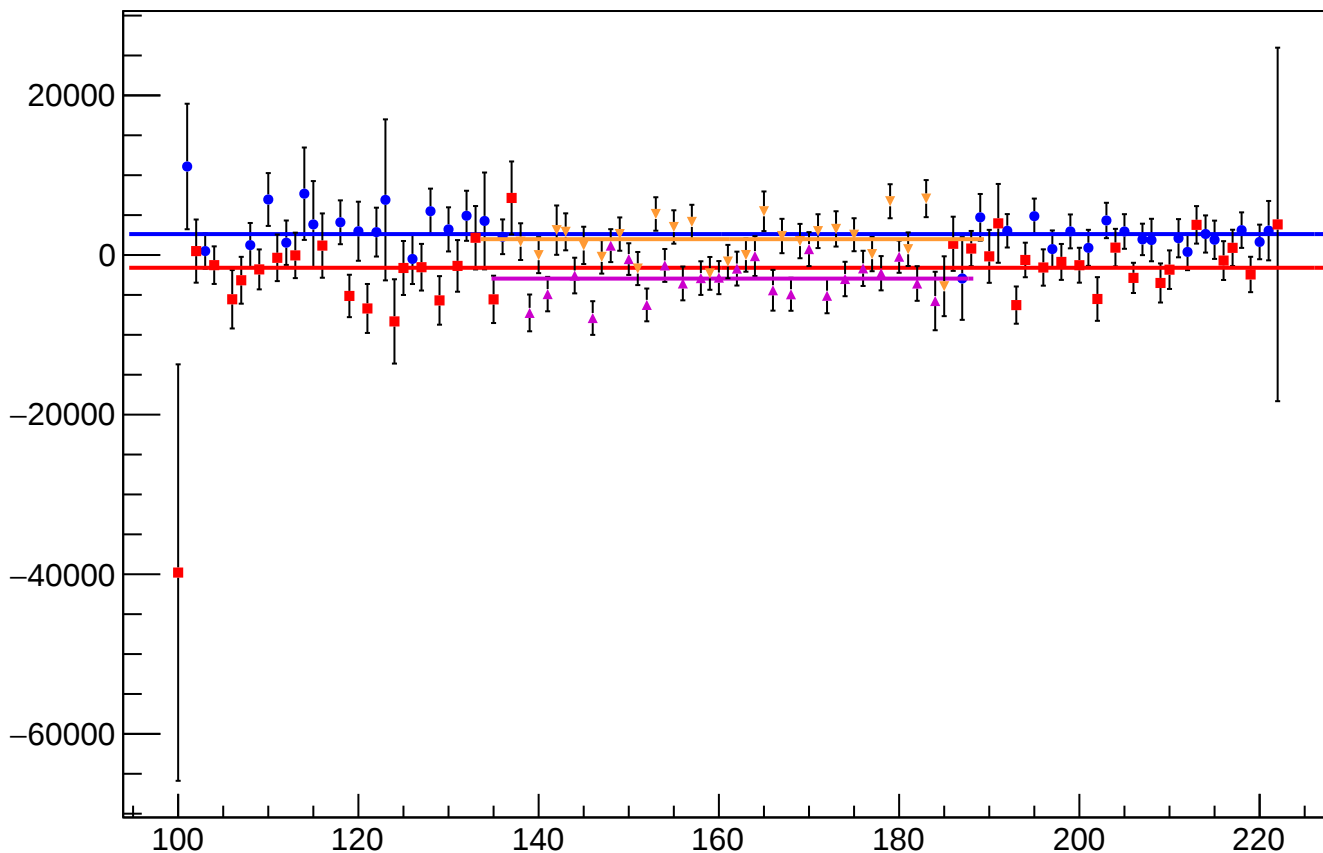
Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

+ sign 4253.315+/-0.506 χ^2/NDF : 4306135.8/59

All: 4223.812+/-0.357 χ^2/NDF : 10462358.7/100

- sign 4194.379+/-0.505 χ^2/NDF : 6149427.5/60

reg_asym_atr_avg_mean vs Slug



Right In: 2621.673 ± 453.165 χ^2/NDF : 14.4/34

Left Out: 1985.469 ± 443.190 χ^2/NDF : 32.4/24

Right Out: -1599.140 ± 450.972 χ^2/NDF : 38.0/37

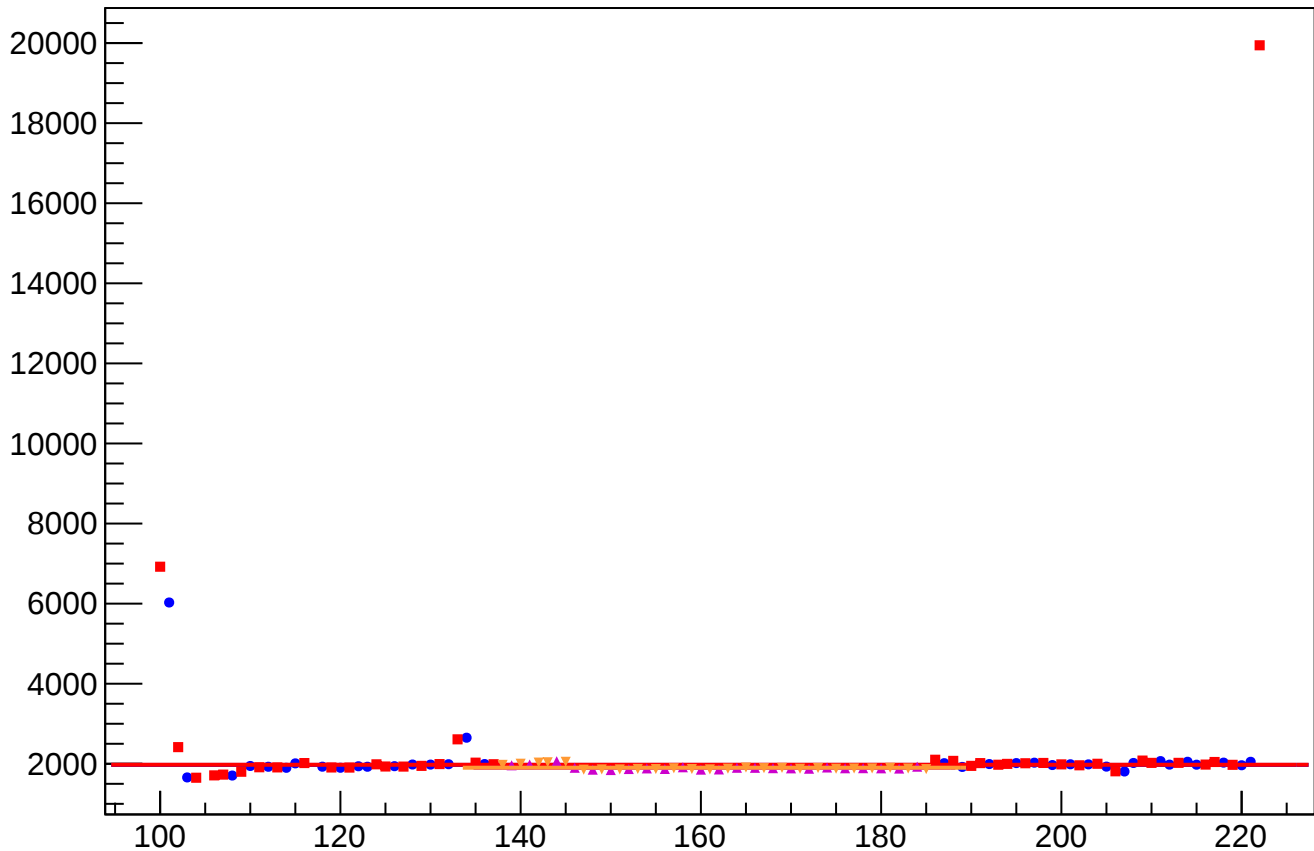
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2296.492 ± 316.850 χ^2/NDF : 47.8/59

All: 35.783 ± 225.202 χ^2/NDF : 221.6/120

- sign -2272.158 ± 320.143 χ^2/NDF : 70.9/60

reg_asym_atr_avg_rms vs Slug



Right In: 1971.458 $\pm$ 0.320 χ^2 /NDF: 644835.2/34

Left Out: 1901.884 $\pm$ 0.313 χ^2 /NDF: 30446.9/24

Right Out: 1975.976 $\pm$ 0.319 χ^2 /NDF: 1574510.4/37

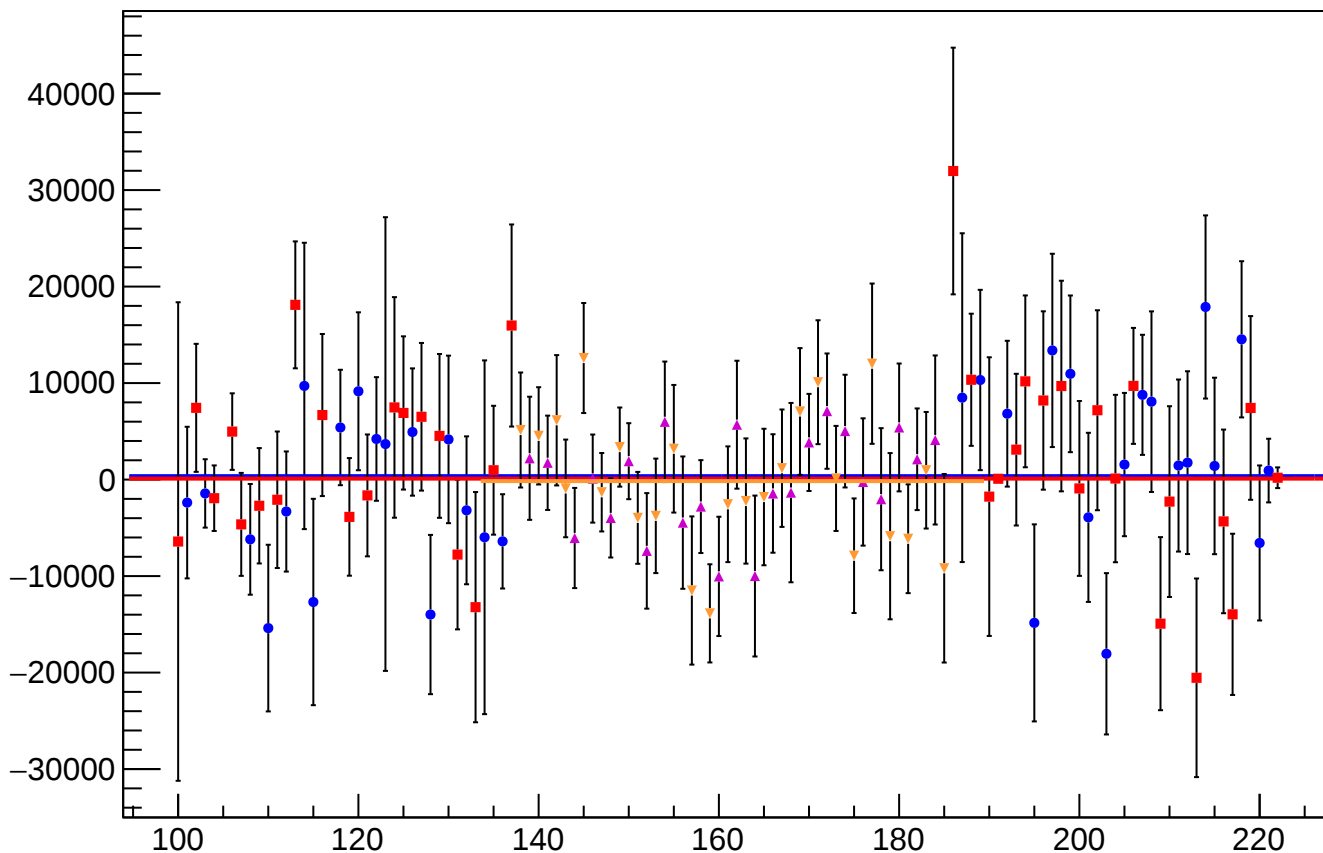
Left In: 1897.456 $\pm$ 0.321 χ^2 /NDF: 21180.1/22

+ sign 1935.897 $\pm$ 0.224 χ^2 /NDF: 699377.9/59

All: 1936.473 $\pm$ 0.159 χ^2 /NDF: 2325183.7/12

- sign 1937.060 $\pm$ 0.226 χ^2 /NDF: 1625792.4/60

asym_atr_avg_correction_mean vs Slug



Right In: 354.877 ± 1212.600 $\chi^2/\text{NDF}: 38.1/34$

Left Out: -157.539 ± 1165.844 $\chi^2/\text{NDF}: 29.5/24$

Right Out: 100.106 ± 108.941 $\chi^2/\text{NDF}: 44.6/37$

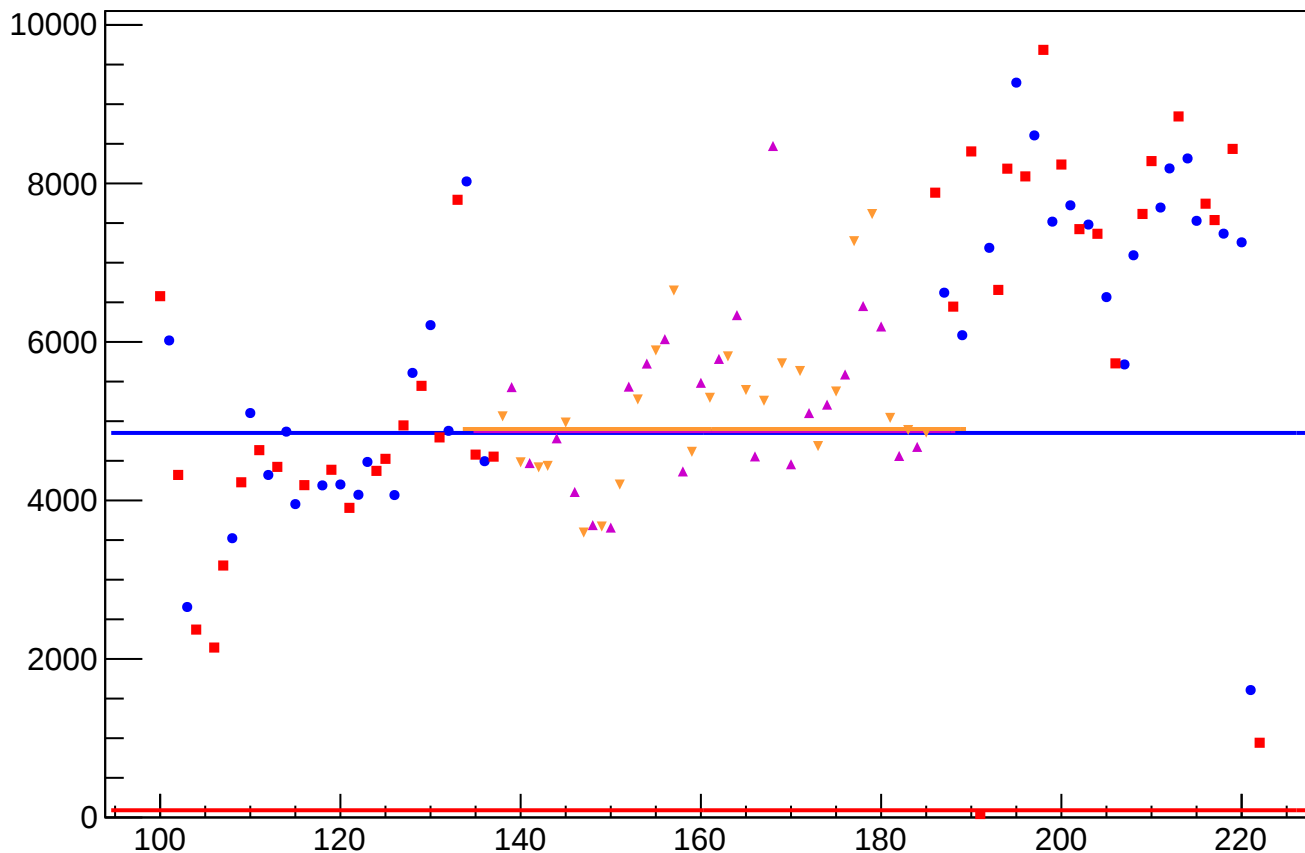
Left In: -139.000 ± 1190.889 $\chi^2/\text{NDF}: 14.7/22$

+ sign 88.600 ± 840.420 $\chi^2/\text{NDF}: 67.7/59$

All: 97.965 ± 107.595 $\chi^2/\text{NDF}: 127.0/120$

- sign 98.121 ± 108.488 $\chi^2/\text{NDF}: 59.4/60$

asym_atr_avg_correction_rms vs Slug



Right In: 4851.908 $\pm$ 0.857 χ^2 /NDF: 6171335.9/34

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

Right Out: 90.769 $\pm$ 0.077 χ^2 /NDF: 38554861.8/37

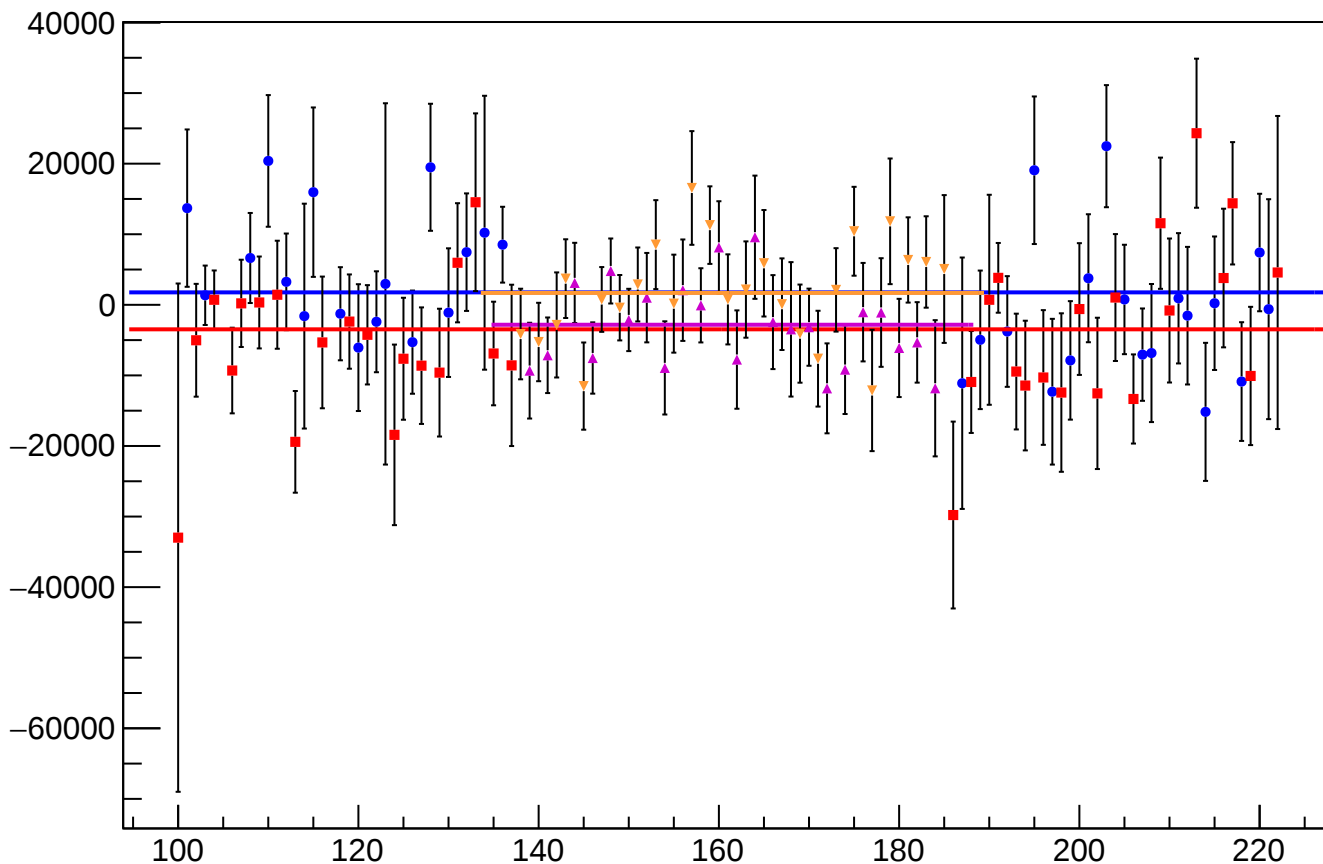
Left In: 4875.112 $\pm$ 0.842 χ^2 /NDF:1229198.0/22

+ sign 4877.604 $\pm$ 0.594 χ^2 /NDF: 7309980.2/59

All: 208.282 $\pm$ 0.076 χ^2 /NDF: 141871742.9/1

- sign 130.474 $\pm$ 0.077 χ^2 /NDF: 71796046.9/60

asym_atr_avg_mean vs Slug



Right In: 1763.514+/-1415.398 χ^2/NDF : 37.4/34

Left Out: 1686.531+/-1261.650 χ^2/NDF : 25.4/24

Right Out: -3472.869+/-1319.171 χ^2/NDF : 43.1/37

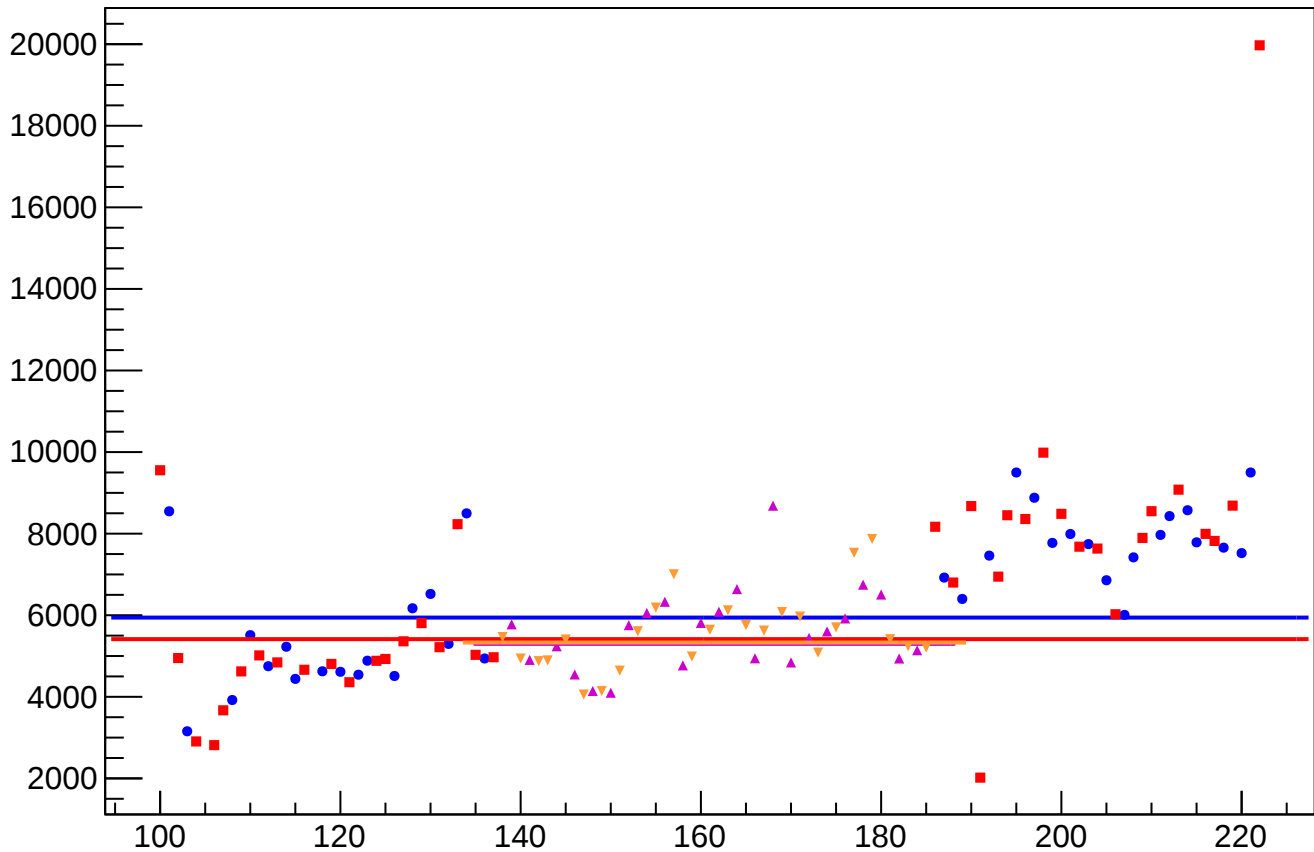
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 1720.616+/-941.806 χ^2/NDF : 62.8/59

All: -762.473+/-658.744 χ^2/NDF : 137.6/120

- sign -3140.822+/-921.728 χ^2/NDF : 61.2/60

asym_atr_avg_rms vs Slug



Right In: 5942.555+/-1.001 χ^2/NDF : 3237577.9/34

Left Out: 5330.725+/-0.892 χ^2/NDF : 868061.7/24

+ sign 5601.617+/-0.666 χ^2/NDF : 4313886.9/59

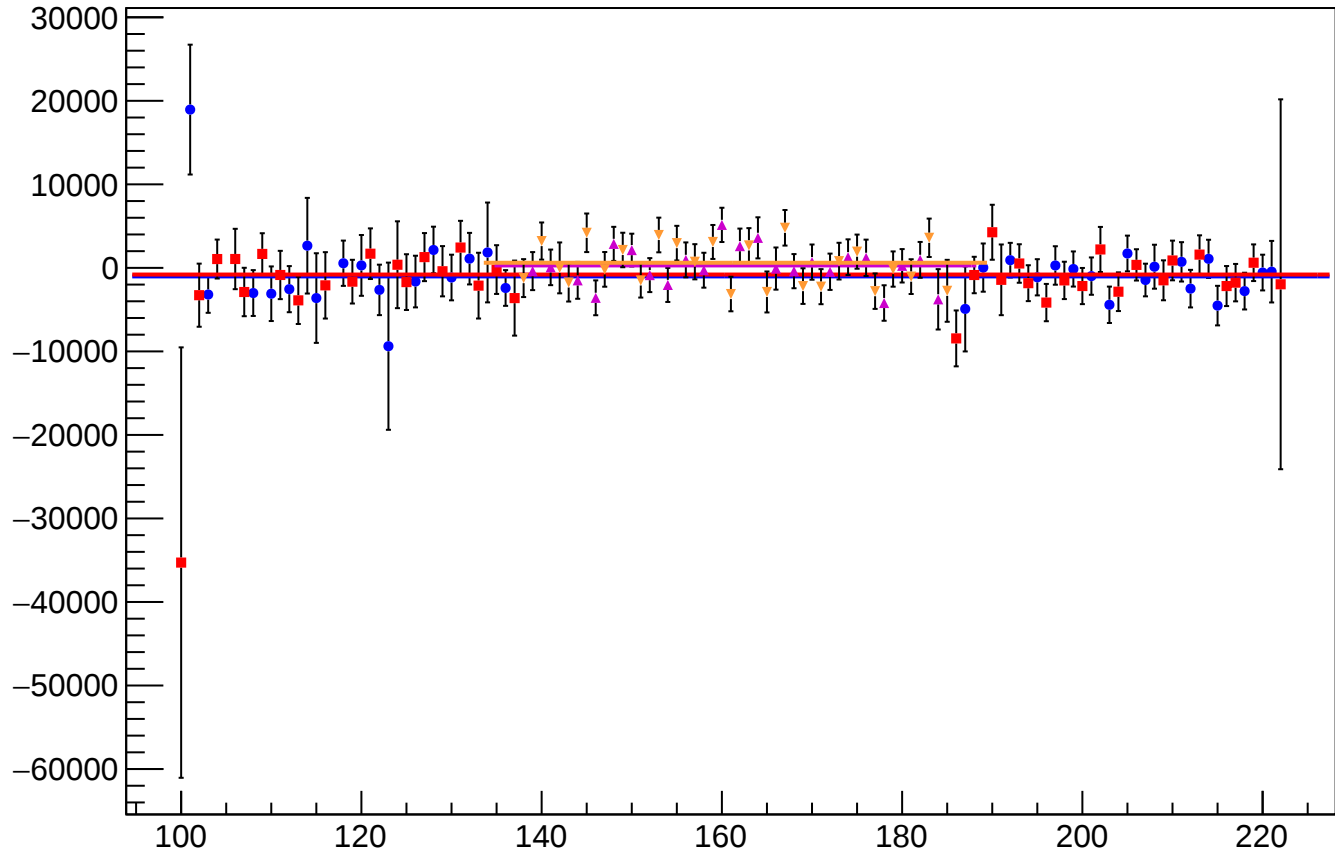
Right Out: 5414.125+/-0.930 χ^2/NDF : 5995831.3/37

All: 5475.477+/-0.465 χ^2/NDF : 11343780.5/100

Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

- sign 5355.058+/-0.651 χ^2/NDF : 6959767.3/60

reg_asym_atr_dd_mean vs Slug



Right In: -1021.525+/-447.273 χ^2/NDF : 24.5/34

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

Right Out: -798.619+/-444.478 χ^2/NDF : 24.9/37

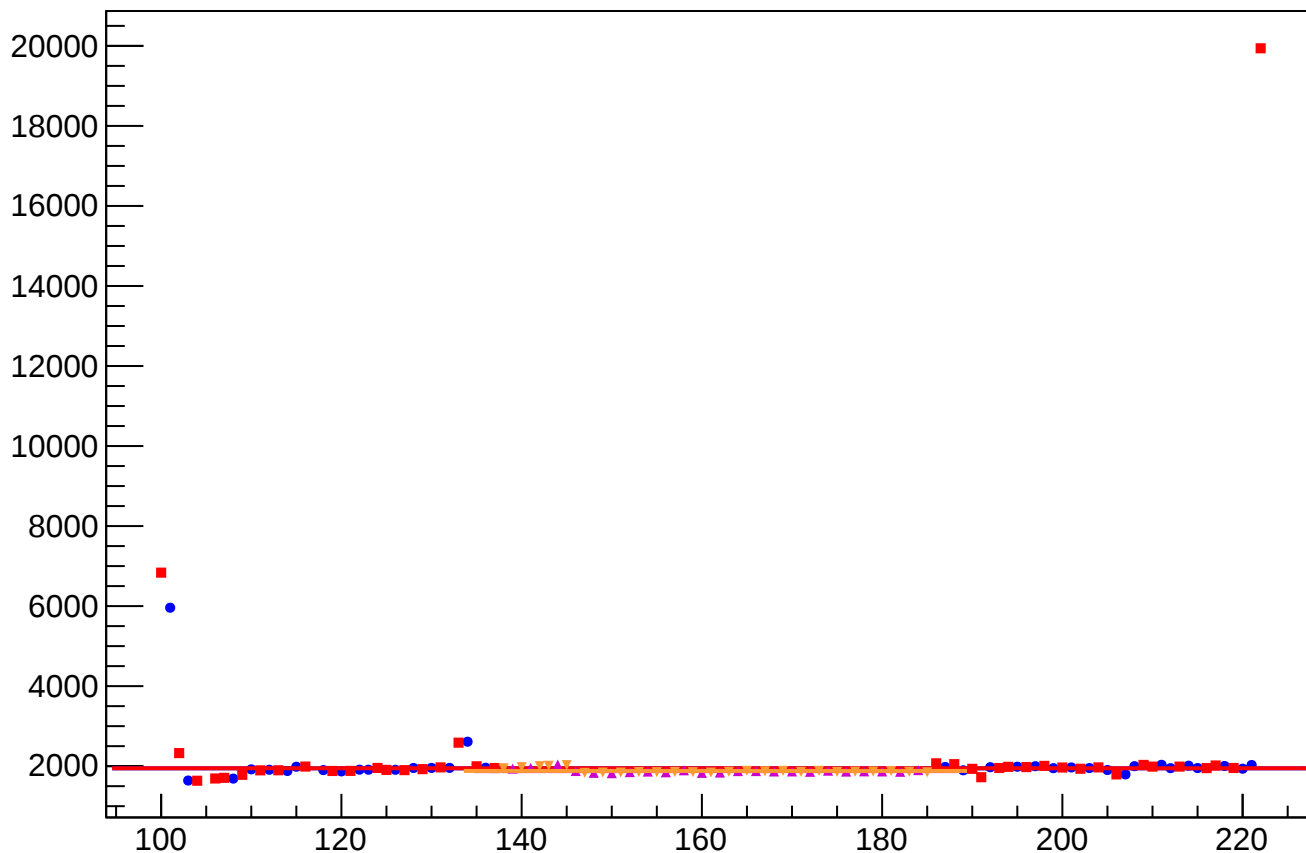
Left In: 293.009+/-449.575 χ^2/NDF : 23.6/22

+ sign -187.985+/-313.036 χ^2/NDF : 64.0/59

All: -223.163+/-222.418 χ^2/NDF : 115.5/120

- sign -259.029+/-316.080 χ^2/NDF : 51.5/60

reg_asym_atr_dd_rms vs Slug



Right In: 1945.970 $\pm$ 0.316 χ^2 /NDF: 640892.3/34

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1947.919 $\pm$ 0.314 χ^2 /NDF: 1574670.9/37

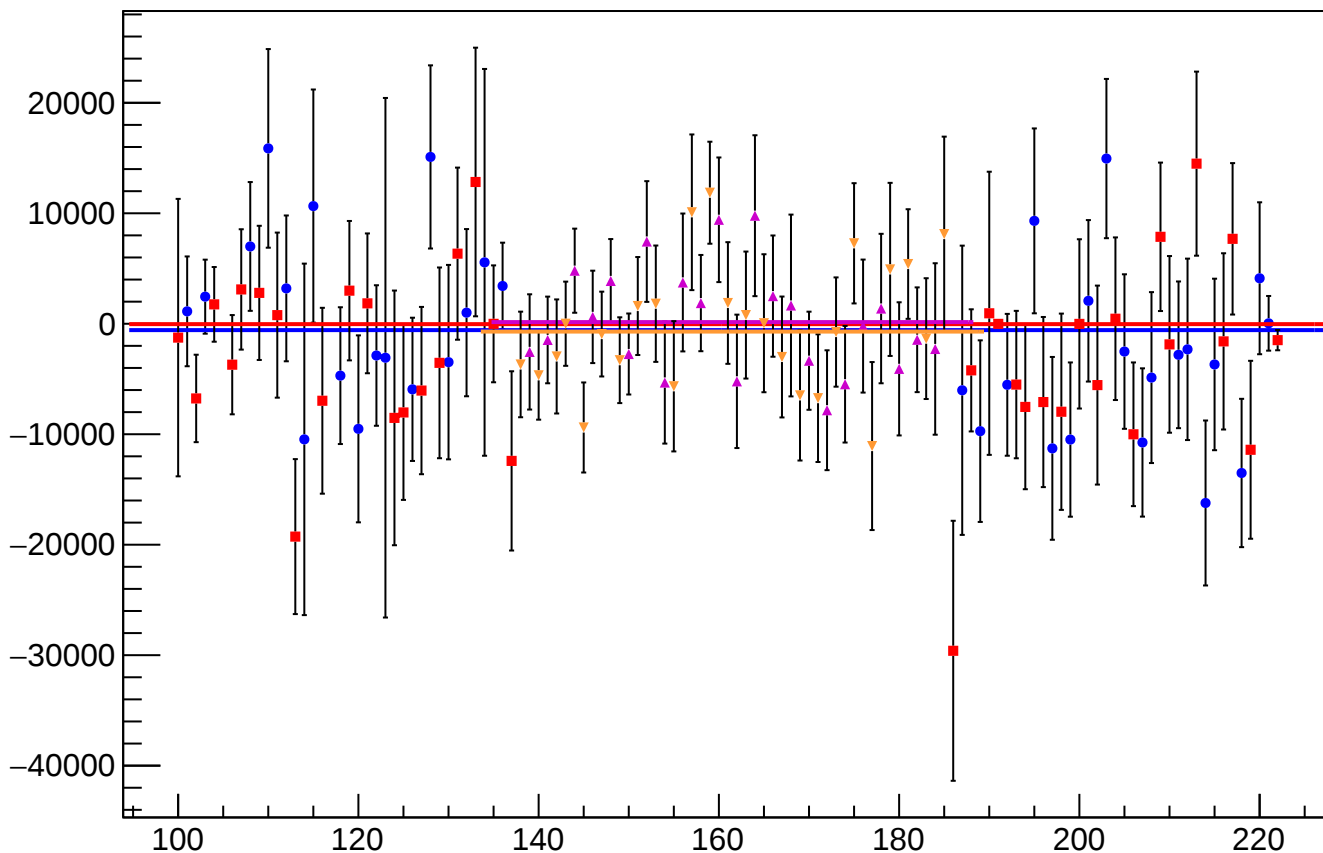
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1912.726 $\pm$ 0.221 χ^2 /NDF: 691204.4/59

All: 1912.732 $\pm$ 0.157 χ^2 /NDF: 2311788.1/12

- sign 1912.738 $\pm$ 0.223 χ^2 /NDF: 1620583.7/60

asym_atr_dd_correction_mean vs Slug



Right In: -575.562 ± 1065.235 χ^2/NDF : 38.6/34

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

Right Out: -34.862 ± 85.392 χ^2/NDF : 42.7/37

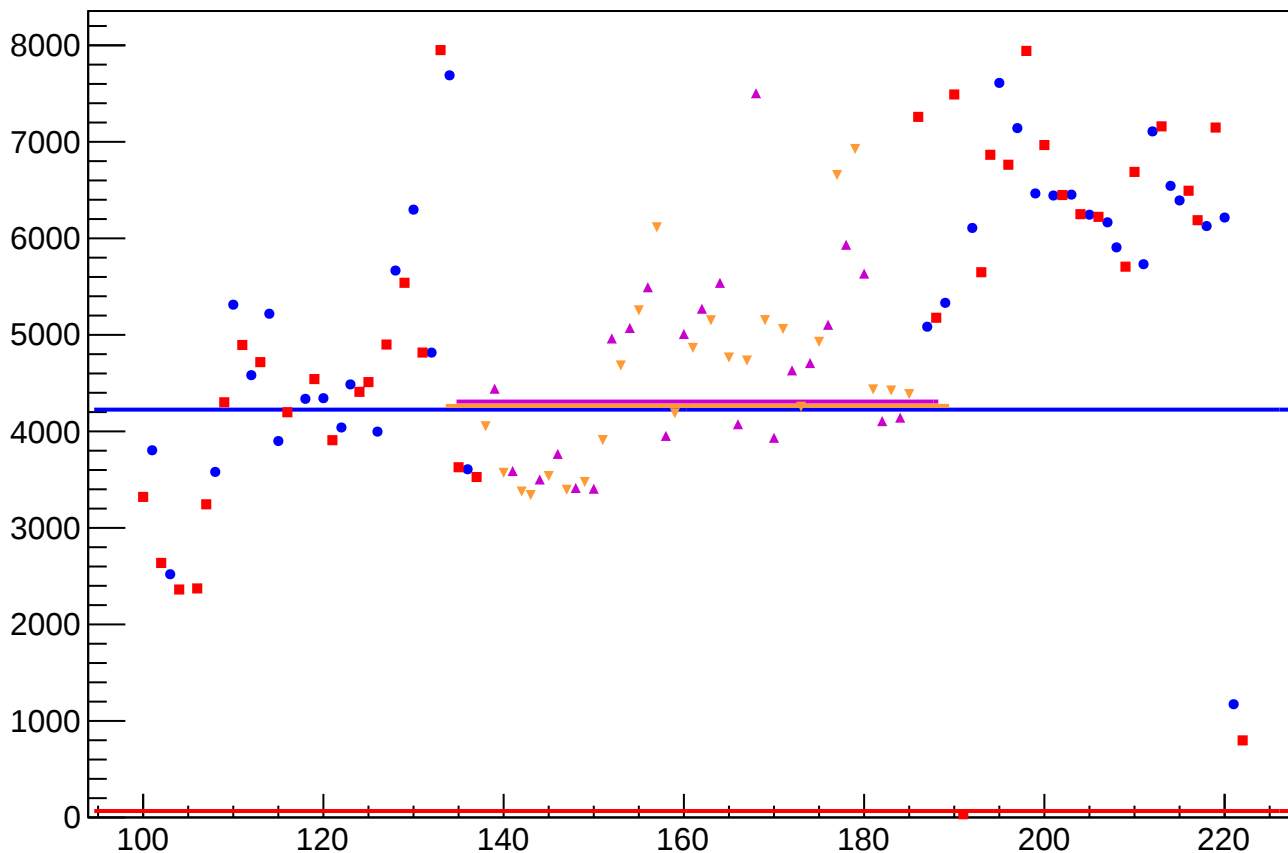
Left In: 150.495 ± 1053.655 χ^2/NDF : 16.9/22

+ sign -644.688 ± 735.861 χ^2/NDF : 65.7/59

All: -41.719 ± 84.549 χ^2/NDF : 126.0/120

- sign -33.653 ± 85.113 χ^2/NDF : 59.6/60

asym_atr_dd_correction_rms vs Slug



Right In: 4225.495+/-0.753 χ^2/NDF : 6790444.8/34

Left Out: 4264.433+/-0.720 χ^2/NDF : 1354900.8/24

Right Out: 66.736+/-0.060 χ^2/NDF : 38752767.1/37

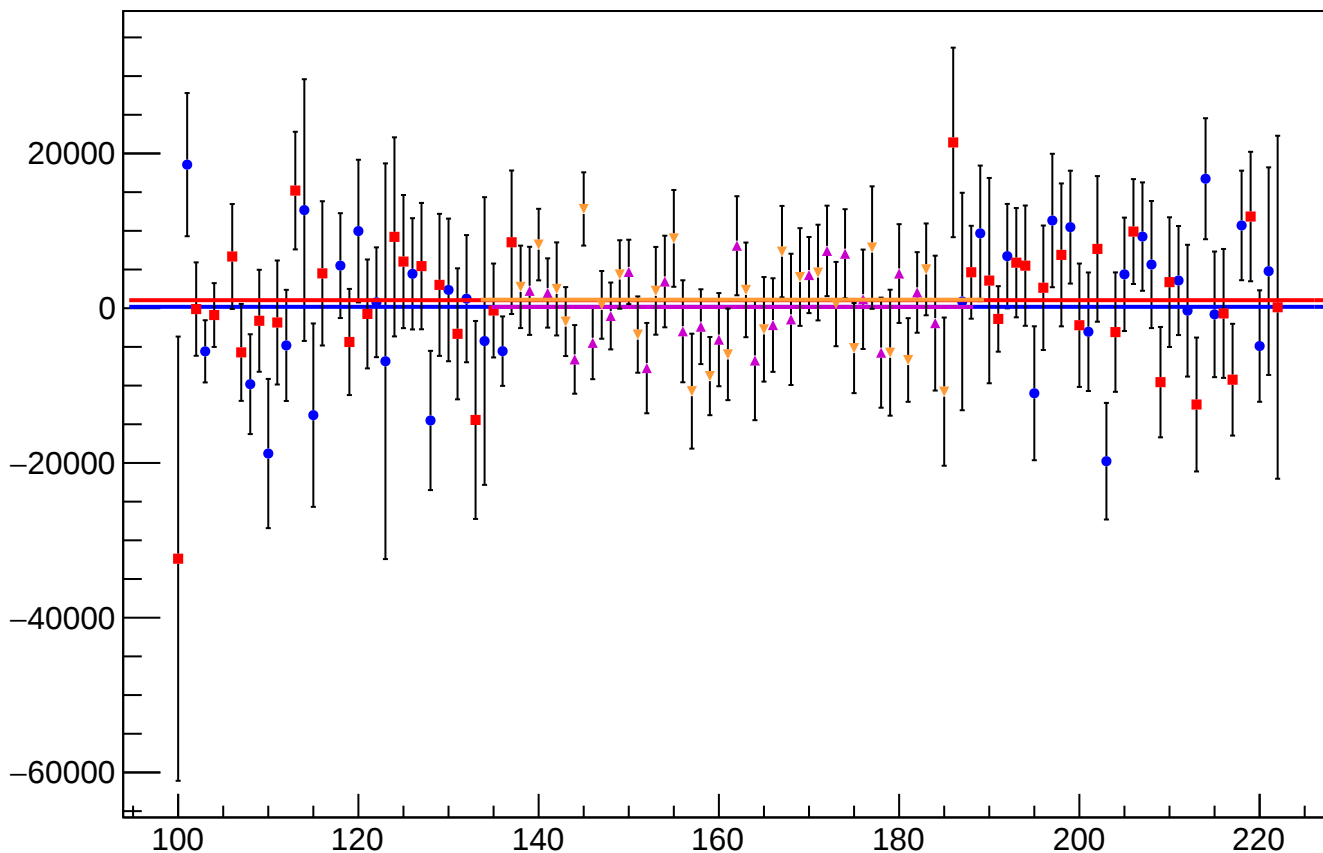
Left In: 4309.034+/-0.745 χ^2/NDF : 1305133.3/22

+ sign 4245.852+/-0.520 χ^2/NDF : 8146742.7/59

All: 149.223+/-0.060 χ^2/NDF : 143229743.2/100

- sign 94.418+/-0.060 χ^2/NDF : 72268010.2/60

asym_atr_dd_mean vs Slug



Right In: 176.647 ± 1303.598 $\chi^2/\text{NDF}: 45.9/34$

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

Right Out: 1036.874 ± 1220.630 $\chi^2/\text{NDF}: 27.4/37$

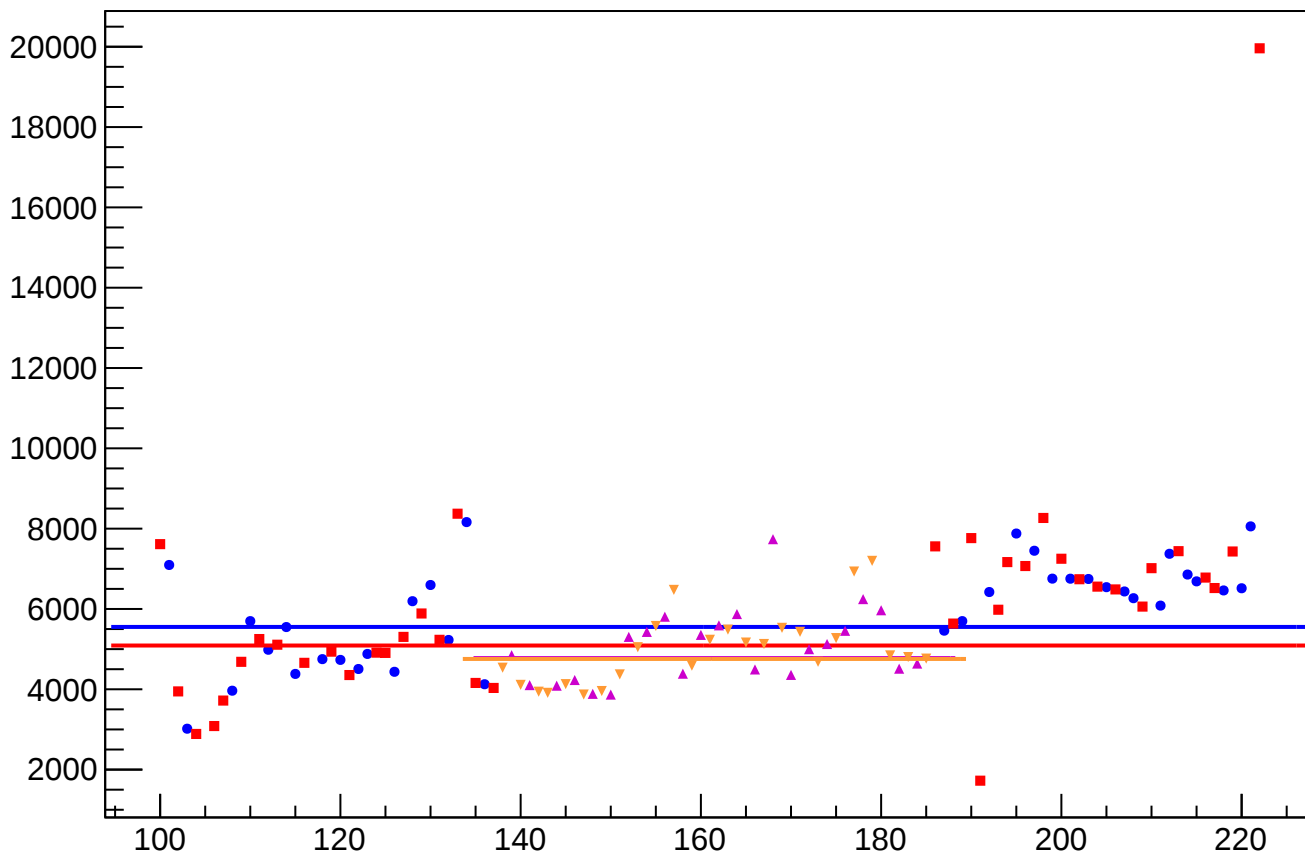
Left In: 158.683 ± 1161.507 $\chi^2/\text{NDF}: 15.5/22$

+ sign 706.455 ± 852.417 $\chi^2/\text{NDF}: 74.8/59$

All: 640.380 ± 598.829 $\chi^2/\text{NDF}: 118.0/120$

- sign 575.996 ± 841.435 $\chi^2/\text{NDF}: 43.2/60$

asym_atr_dd_rms vs Slug



Right In: 5552.645 $\pm$ 0.922 χ^2 /NDF: 2269998.1/34

Left Out: 4755.383 $\pm$ 0.797 χ^2 /NDF: 953328.0/24

Right Out: 5089.813 $\pm$ 0.861 χ^2 /NDF: 5067268.8/37

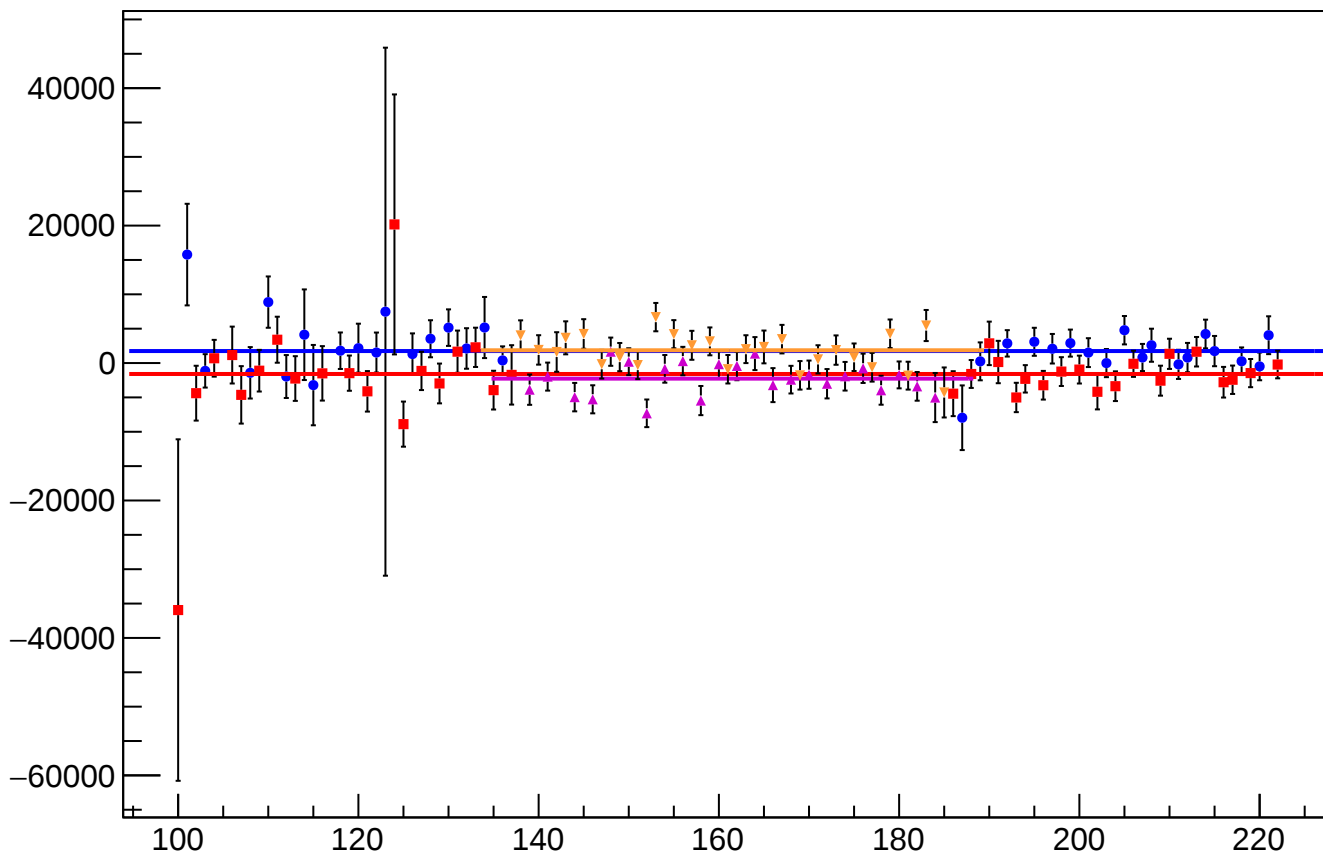
Left In: 4777.831 $\pm$ 0.821 χ^2 /NDF: 950291.2/22

+ sign 5096.276 $\pm$ 0.603 χ^2 /NDF: 3651539.4/59

All: 5010.188 $\pm$ 0.423 χ^2 /NDF: 9778097.1/12

- sign 4926.536 $\pm$ 0.594 χ^2 /NDF: 6086337.1/60

reg_asym_at1_avg_mean vs Slug



Right In: 1745.120+/-429.795 χ^2/NDF : 28.7/34

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

Right Out: -1591.796+/-422.370 χ^2/NDF : 31.3/37

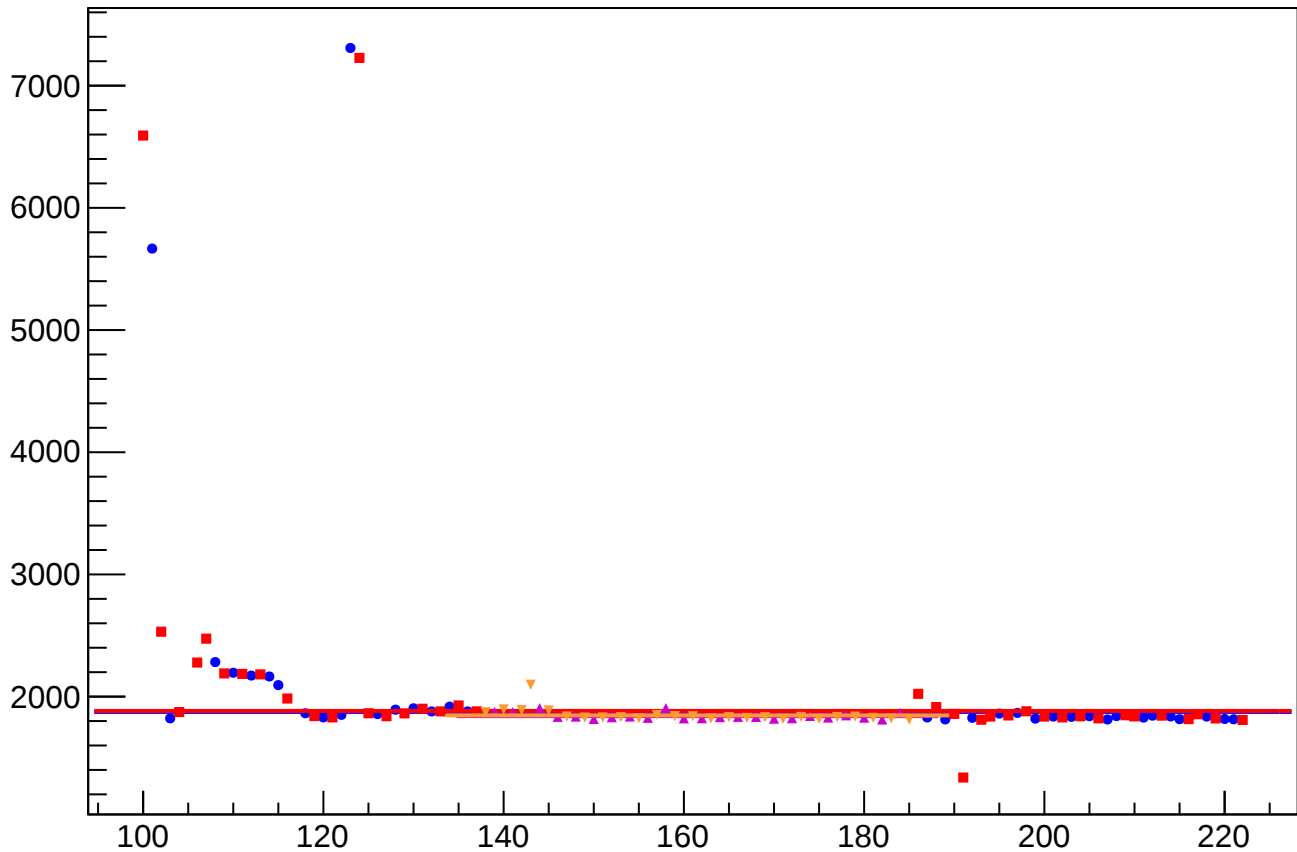
Left In: -2268.464+/-441.710 χ^2/NDF : 26.9/22

+ sign 1800.692+/-304.328 χ^2/NDF : 58.7/59

All: -51.415+/-215.524 χ^2/NDF : 192.4/120

- sign -1914.992+/-305.269 χ^2/NDF : 59.4/60

reg_asym_at1_avg_rms vs Slug



Right In: 1874.822+/-0.304 χ^2/NDF : 646912.4/34

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

Right Out: 1882.844+/-0.299 χ^2/NDF : 484333.6/37

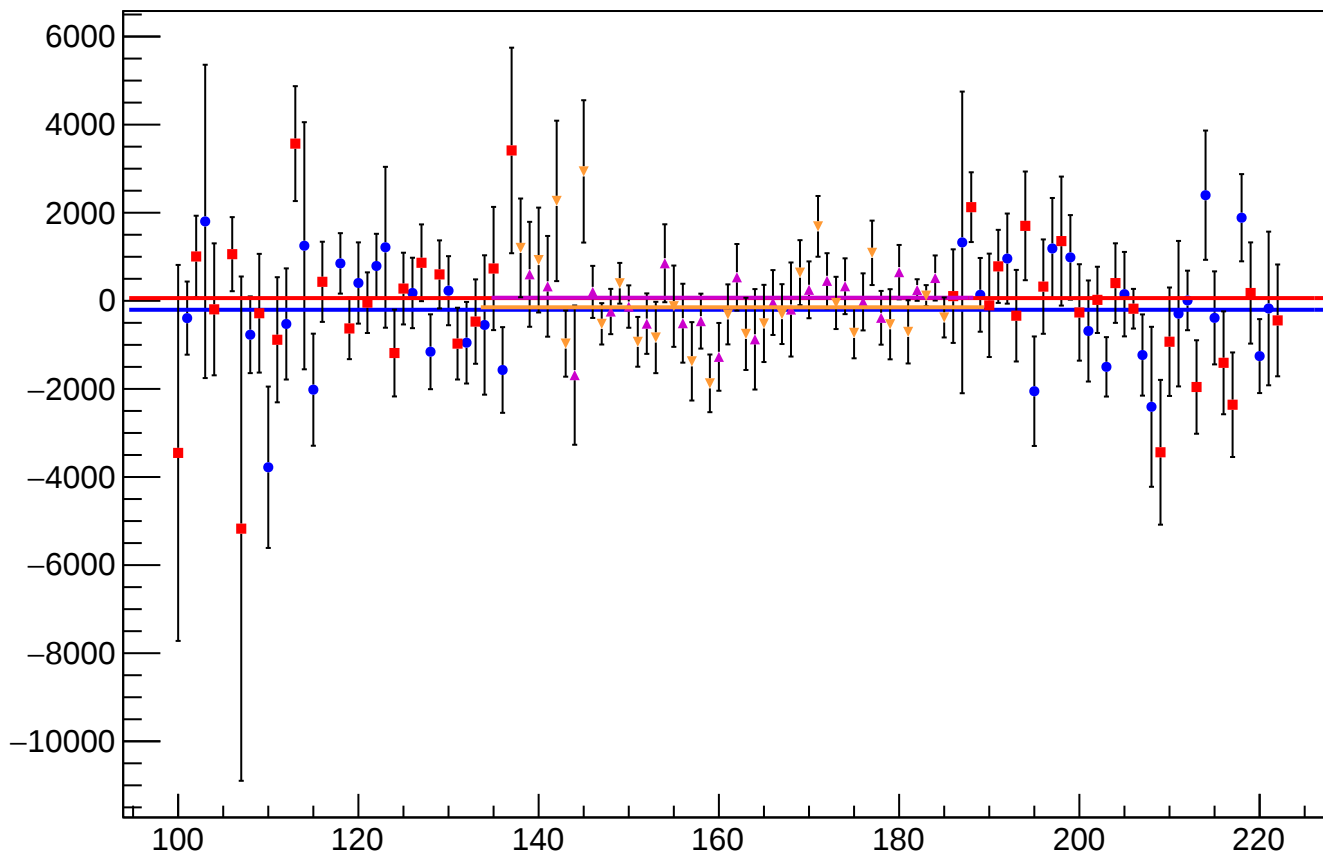
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1860.750+/-0.215 χ^2/NDF : 678514.3/59

All: 1861.692+/-0.152 χ^2/NDF : 1179208.6/12

- sign 1862.639+/-0.216 χ^2/NDF : 500655.9/60

asym_at1_avg_correction_mean vs Slug



Right In: -203.307 ± 170.603 χ^2/NDF : 39.6/34

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

Right Out: 61.842 ± 158.063 χ^2/NDF : 45.7/37

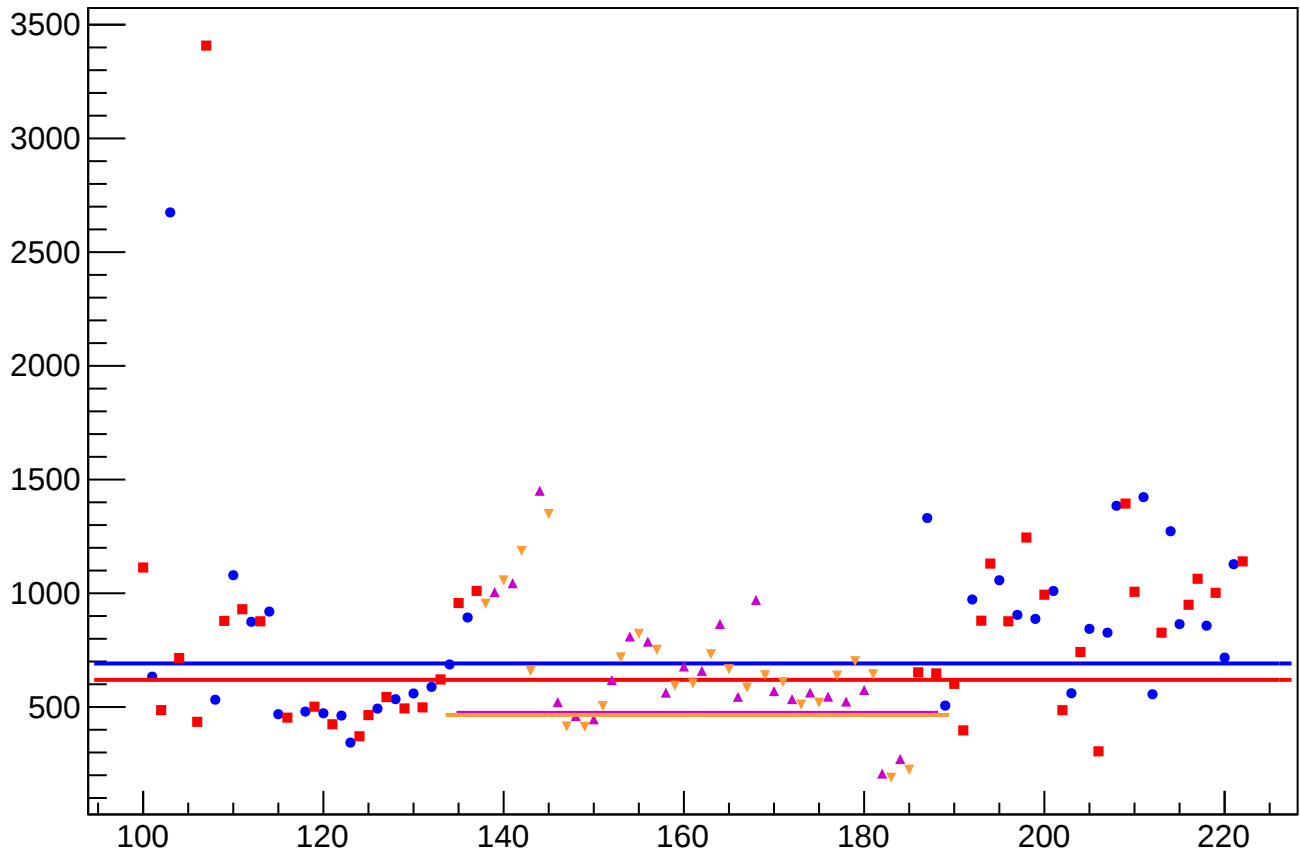
Left In: 70.340 ± 126.373 χ^2/NDF : 12.3/22

+ sign -166.047 ± 99.228 χ^2/NDF : 77.3/59

All: -48.894 ± 69.979 χ^2/NDF : 138.0/120

- sign 67.026 ± 98.704 χ^2/NDF : 58.0/60

asym_at1_avg_correction_rms vs Slug



Right In: 691.487+/-0.121 χ^2/NDF : 4119657.0/34

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

Right Out: 619.431+/-0.112 χ^2/NDF : 5787858.4/37

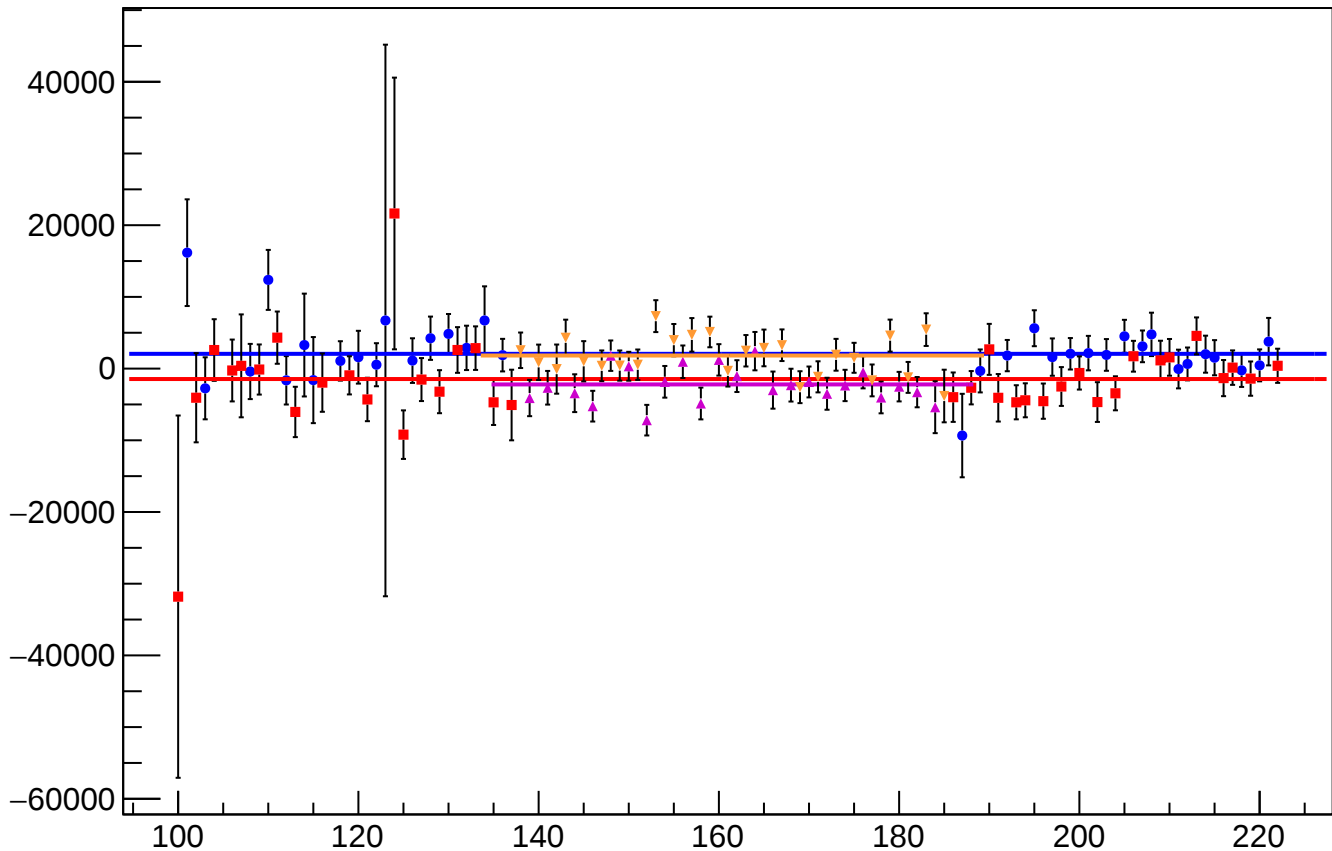
Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

+ sign 541.672+/-0.070 χ^2/NDF : 13536546.5/59

All: 536.243+/-0.049 χ^2/NDF : 26538560.4/12

- sign 530.871+/-0.070 χ^2/NDF : 12990103.2/60

asym_at1_avg_mean vs Slug



Right In: 2059.088 $\pm$ 487.714 χ^2 /NDF: 27.5/34

Left Out: 1824.066 $\pm$ 462.694 χ^2 /NDF:32.1/24

Right Out: -1455.653 $\pm$ 482.786 χ^2 /NDF: 41.4/37

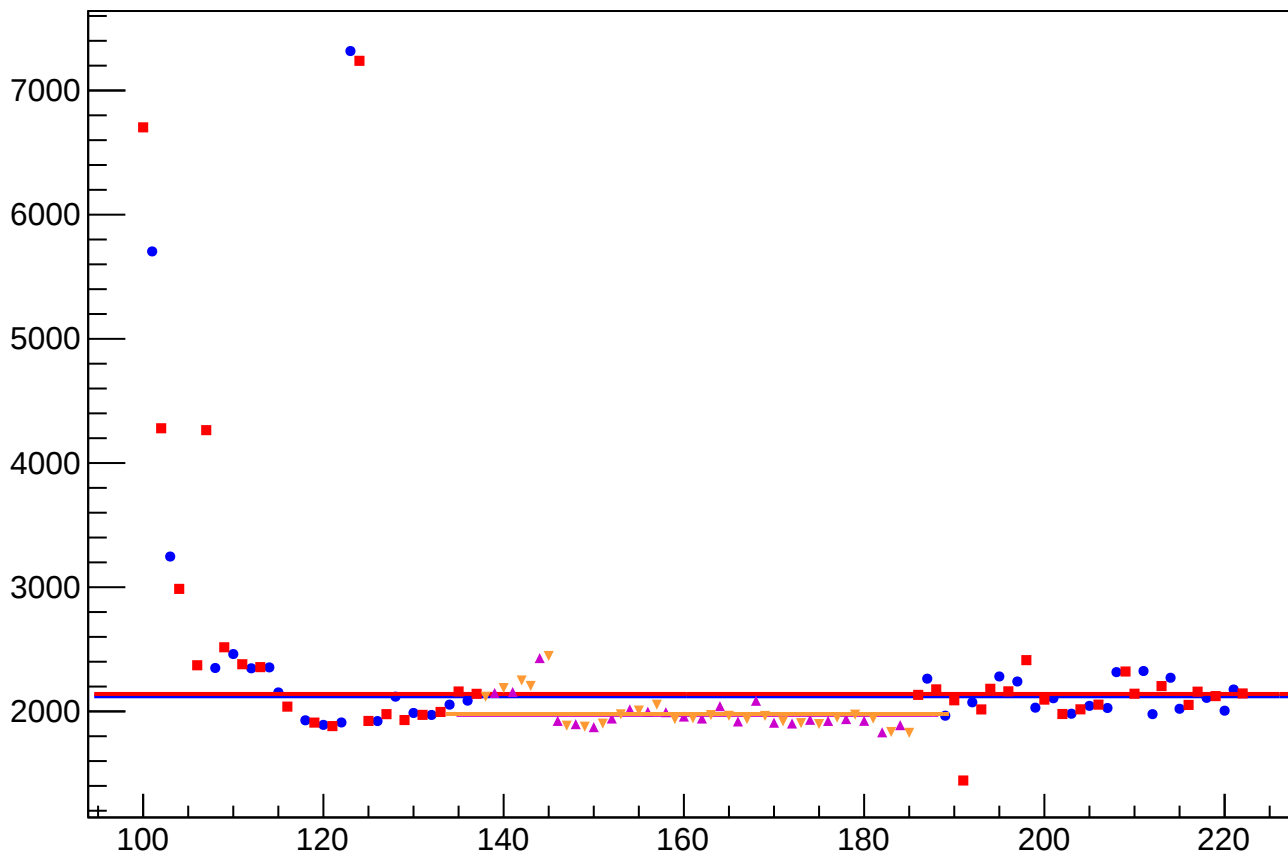
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 1935.394 $\pm$ 335.671 χ^2 /NDF: 59.7/59

All: 62.766 $\pm$ 238.262 χ^2 /NDF: 190.4/120

- sign -1838.753 $\pm$ 338.250 χ^2 /NDF: 67.9/60

asym_at1_avg_rms vs Slug



Right In: 2121.782 ± 0.345 χ^2/NDF : 793970.2/34

Left Out: 1978.997 ± 0.327 χ^2/NDF : 139299.8/24

Right Out: 2140.534 ± 0.341 χ^2/NDF : 954405.1/37

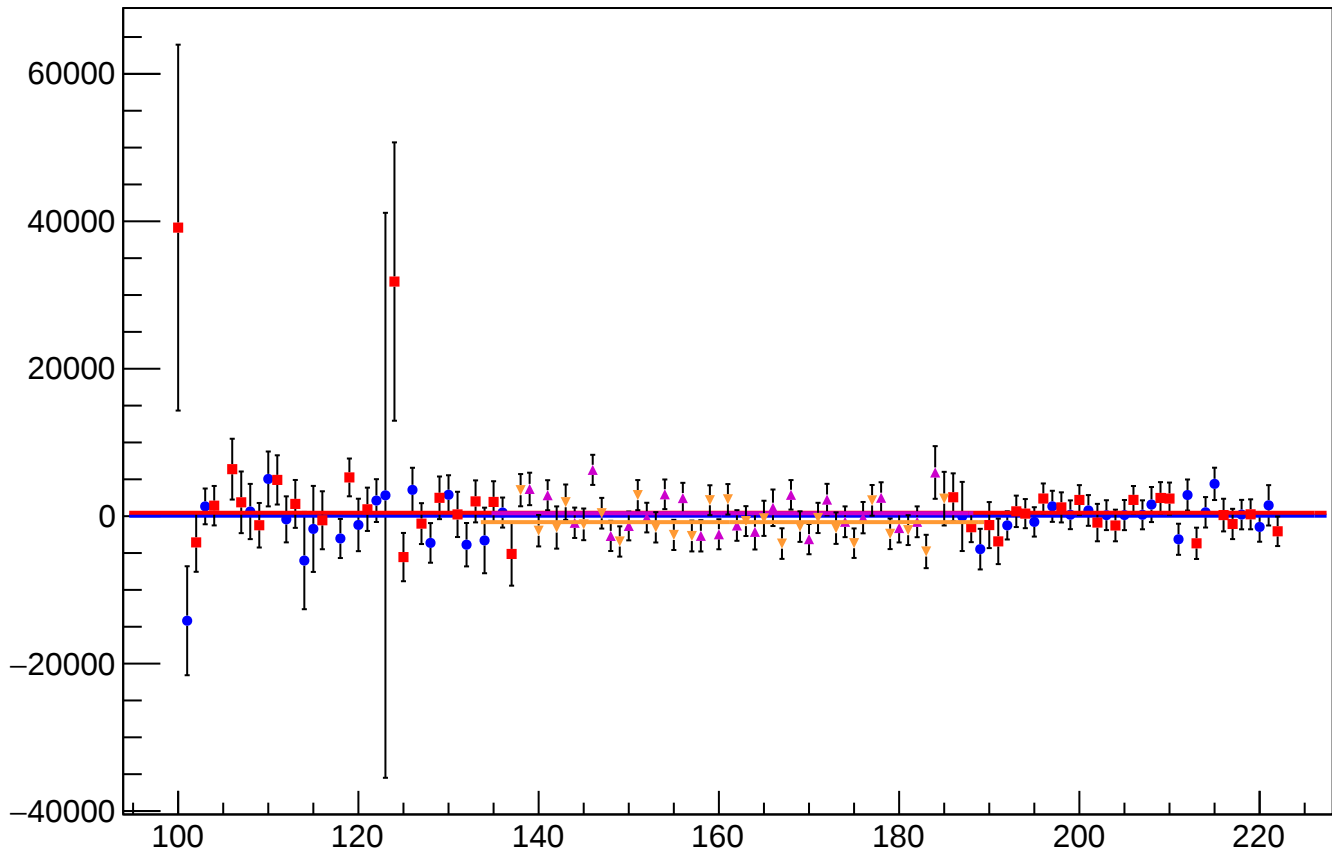
Left In: 1972.166 ± 0.335 χ^2/NDF : 116452.5/22

+ sign 2046.633 ± 0.237 χ^2/NDF : 1023489.2/59

All: 2050.692 ± 0.168 χ^2/NDF : 2218777.2/12

- sign 2054.813 ± 0.239 χ^2/NDF : 1194698.7/60

reg_asym_at1_dd_mean vs Slug



Right In: 63.195 $\pm$ 426.866 χ^2 /NDF: 28.7/34

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

Right Out: 463.196 $\pm$ 419.273 χ^2 /NDF: 35.1/37

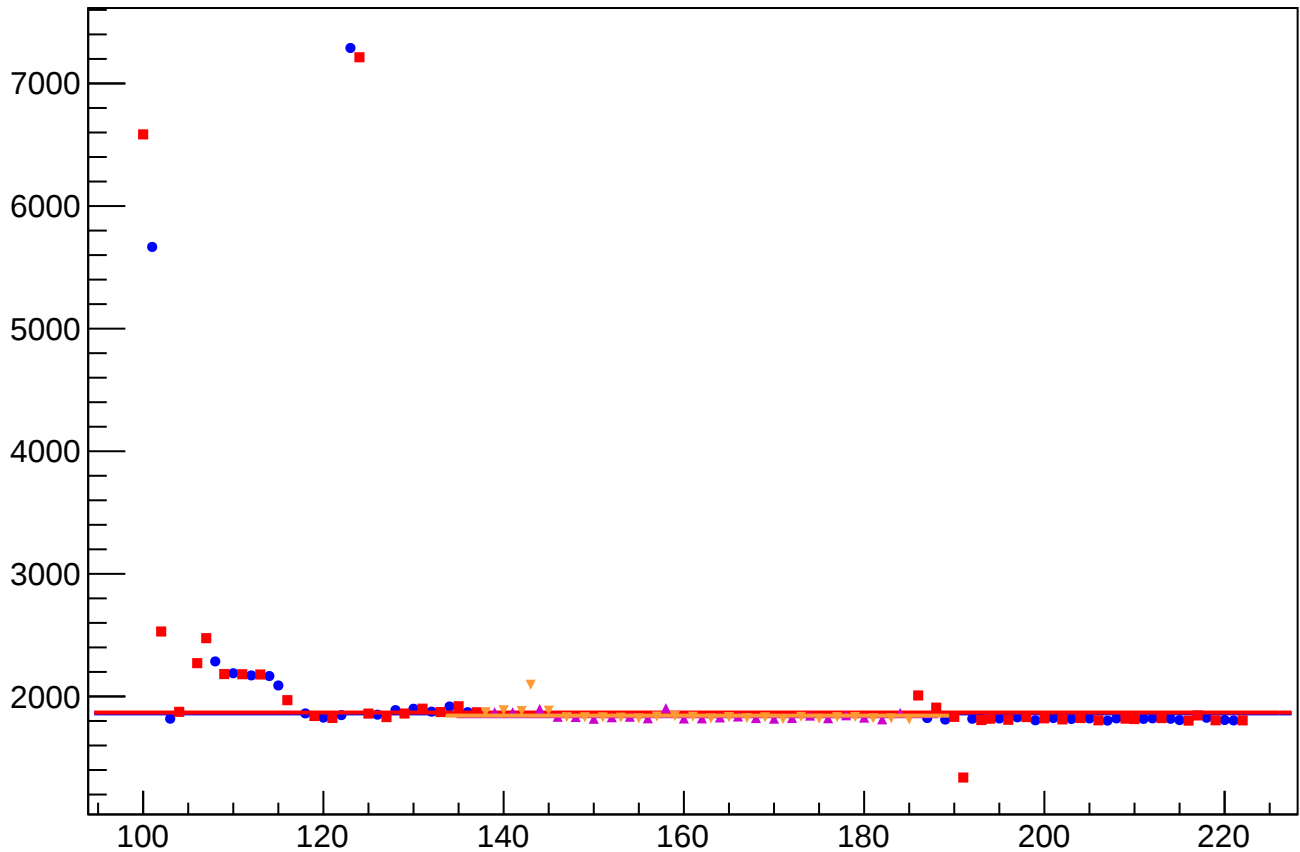
Left In: 398.797 $\pm$ 441.246 χ^2 /NDF: 34.4/22

+ sign -369.125 $\pm$ 303.048 χ^2 /NDF: 58.7/59

All: 30.577 $\pm$ 214.603 χ^2 /NDF: 131.7/120

- sign 432.640 $\pm$ 303.942 χ^2 /NDF: 69.5/60

reg_asym_at1_dd_rms vs Slug



Right In: 1861.834 $\pm$ 0.302 χ^2 /NDF: 656455.2/34

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

Right Out: 1868.871 $\pm$ 0.296 χ^2 /NDF: 492572.3/37

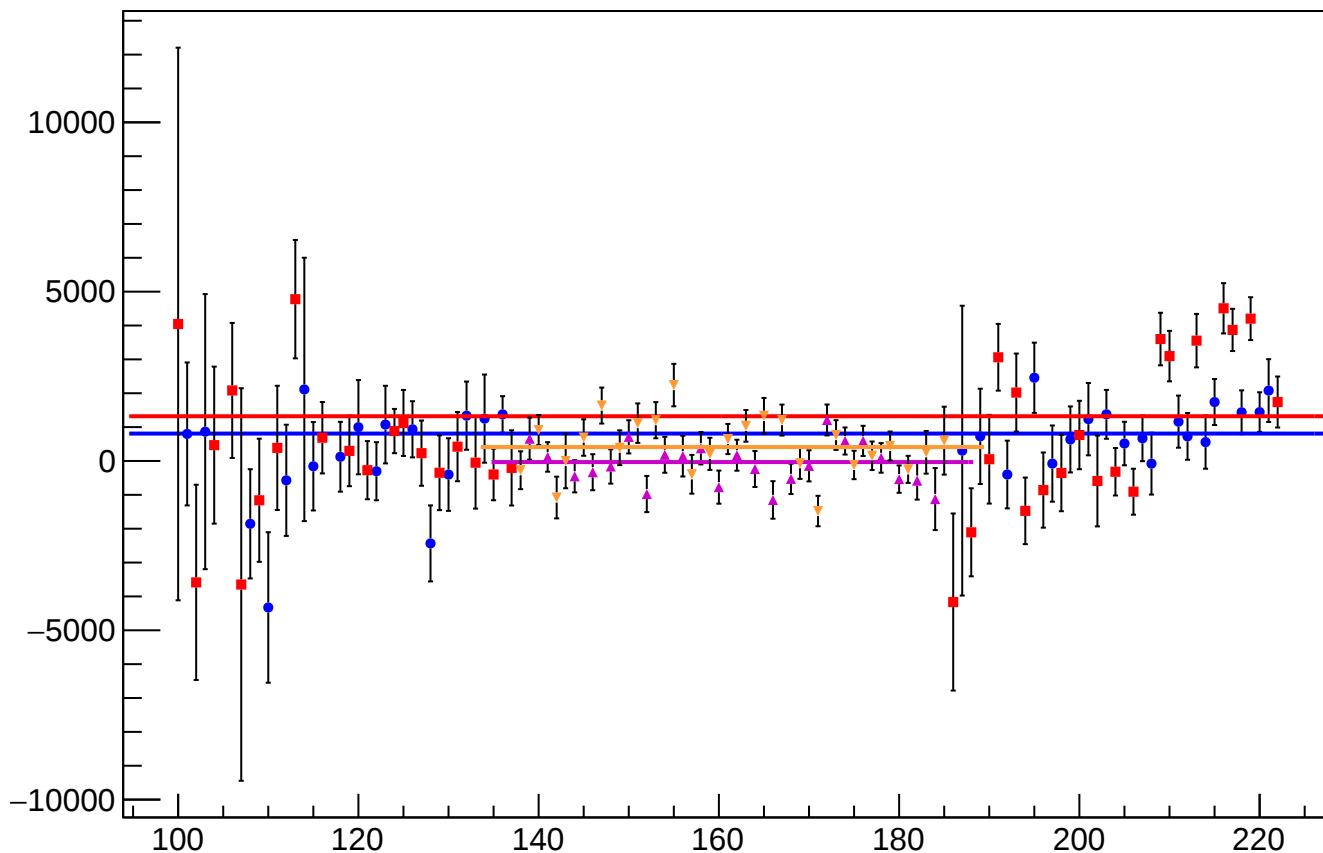
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1852.863 $\pm$ 0.214 χ^2 /NDF: 685103.6/59

All: 1853.686 $\pm$ 0.152 χ^2 /NDF: 1188983.7/12

- sign 1854.513 $\pm$ 0.215 χ^2 /NDF: 503850.4/60

asym_at1_dd_correction_mean vs Slug



Right In: 809.159 ± 156.899 χ^2/NDF : 35.6/34

Left Out: 411.072 ± 100.456 χ^2/NDF : 61.2/24

Right Out: 1320.986 ± 159.655 χ^2/NDF : 154.7/37

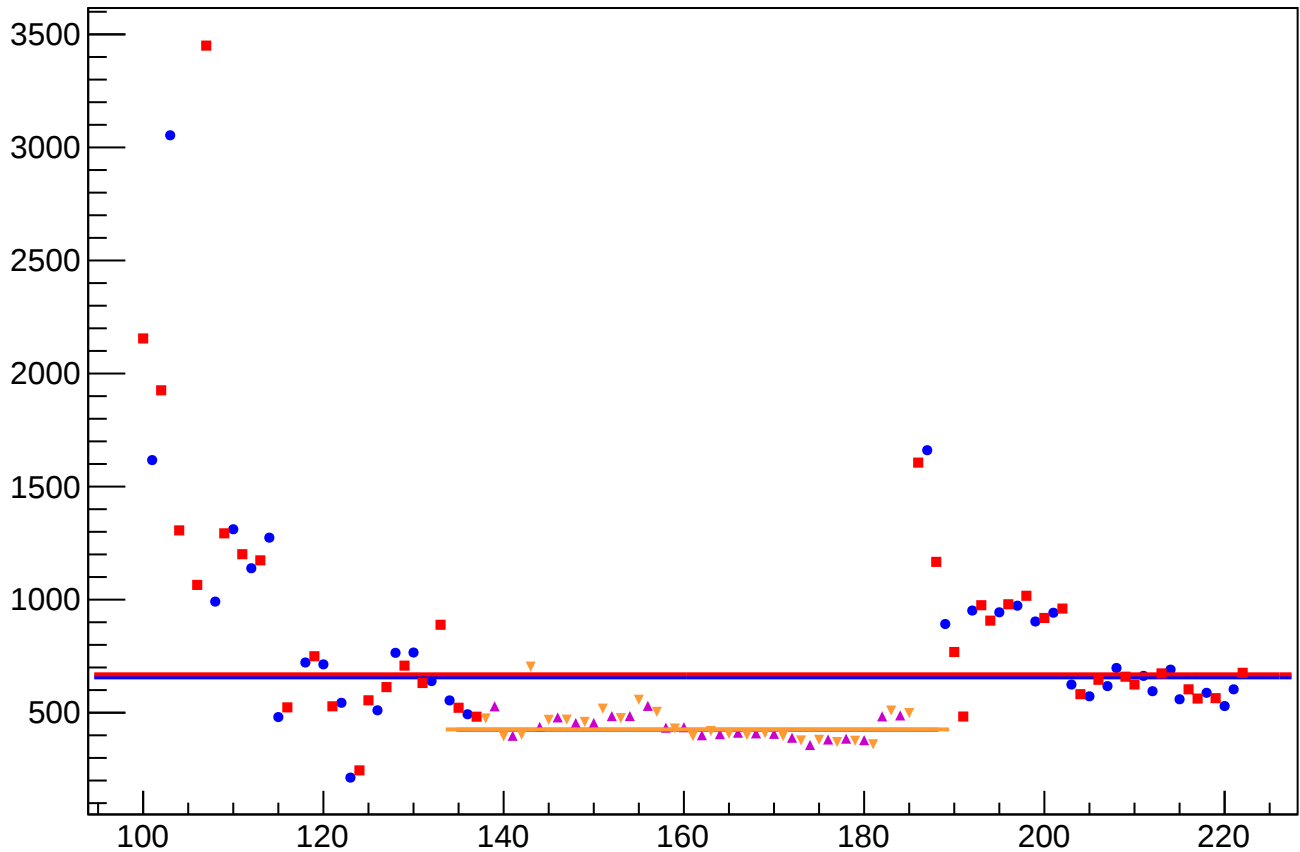
Left In: -32.456 ± 102.403 χ^2/NDF : 32.7/22

+ sign 526.814 ± 84.601 χ^2/NDF : 101.4/59

All: 445.970 ± 60.378 χ^2/NDF : 341.6/120

- sign 362.048 ± 86.196 χ^2/NDF : 238.4/60

asym_at1_dd_correction_rms vs Slug



Right In: 656.348 $\pm$ 0.111 χ^2 /NDF: 3431580.1/34

Left Out: 426.027 $\pm$ 0.071 χ^2 /NDF: 733072.9/24

Right Out: 669.678 $\pm$ 0.113 χ^2 /NDF: 4502049.3/37

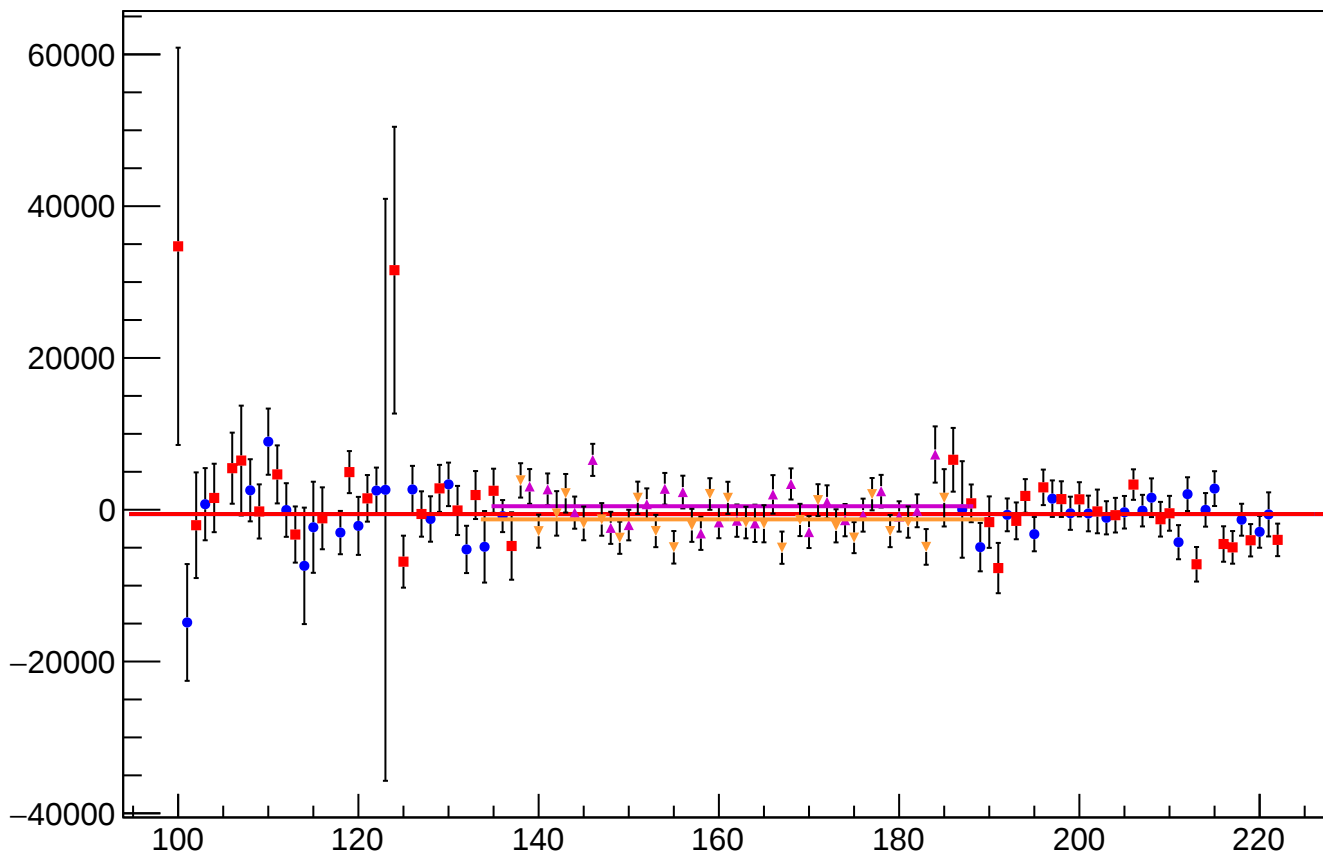
Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

+ sign 492.992 $\pm$ 0.060 χ^2 /NDF: 7221388.0/59

All: 494.499 $\pm$ 0.043 χ^2 /NDF: 15454353.3/12

- sign 496.063 $\pm$ 0.061 χ^2 /NDF: 8231672.1/60

asym_at1_dd_mean vs Slug



Right In: -573.743 ± 467.195 χ^2/NDF : 30.3/34

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

Right Out: -567.793 ± 465.144 χ^2/NDF : 59.0/37

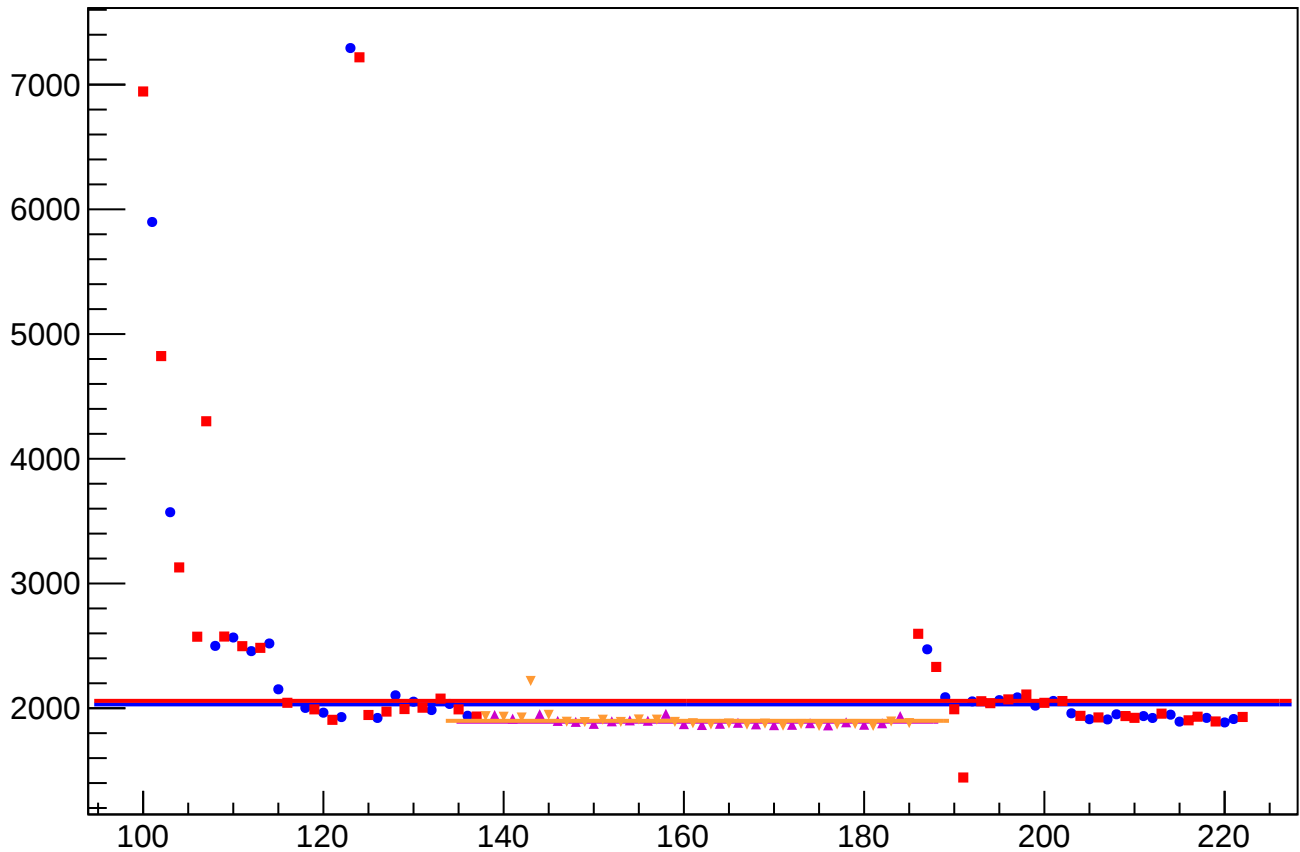
Left In: 462.599 ± 453.947 χ^2/NDF : 32.6/22

+ sign -939.082 ± 321.545 χ^2/NDF : 62.3/59

All: -494.195 ± 228.535 χ^2/NDF : 160.2/120

- sign -40.045 ± 324.875 χ^2/NDF : 94.1/60

asym_at1_dd_rms vs Slug



Right In: 2030.697 $\pm$ 0.330 χ^2 /NDF: 924452.7/34

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2059.061 $\pm$ 0.329 χ^2 /NDF: 1165332.3/37

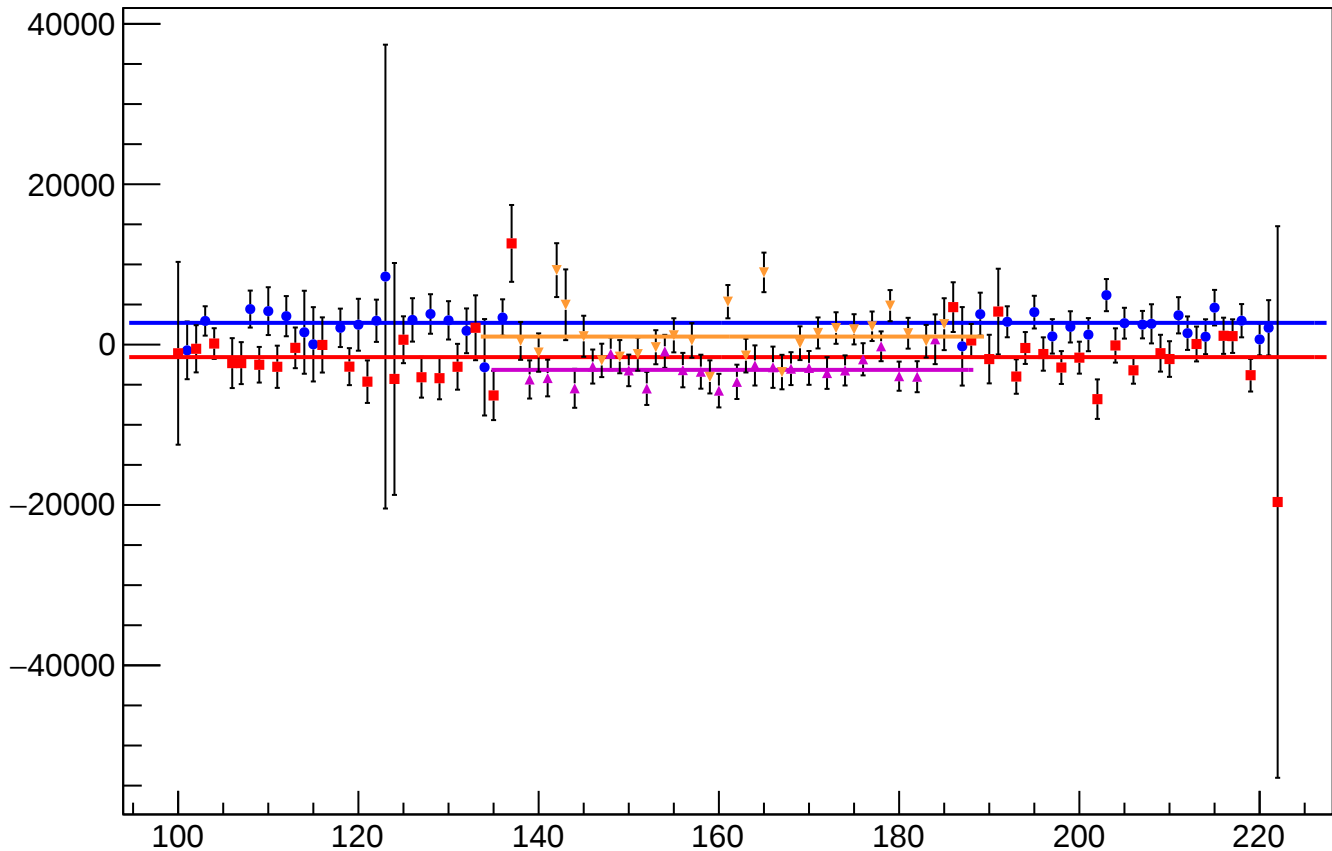
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1961.362 $\pm$ 0.227 χ^2 /NDF: 1046825.0/59

All: 1967.288 $\pm$ 0.162 χ^2 /NDF: 2353576.0/12

- sign 1973.338 $\pm$ 0.230 χ^2 /NDF: 1305378.1/60

reg_asym_at2_avg_mean vs Slug



Right In: 2714.262 ± 408.180 χ^2/NDF : 11.8/34

Left Out: 1001.263 ± 435.247 χ^2/NDF : 44.6/24

Right Out: -1559.722 ± 408.127 χ^2/NDF : 37.5/37

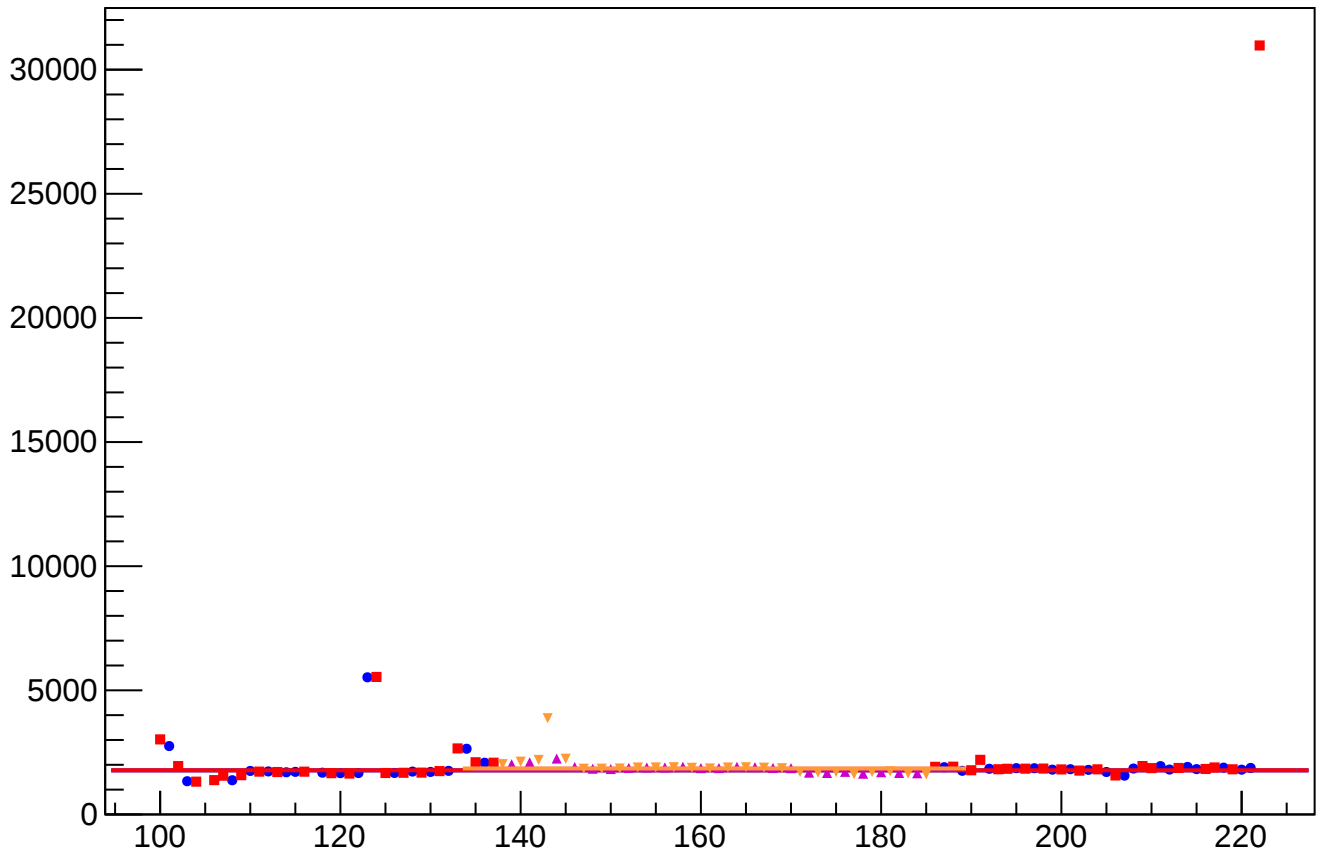
Left In: -3150.437 ± 441.145 χ^2/NDF : 11.8/22

+ sign 1912.678 ± 297.736 χ^2/NDF : 64.7/59

All: -177.322 ± 211.181 χ^2/NDF : 220.1/120

- sign -2293.329 ± 299.583 χ^2/NDF : 56.3/60

reg_asym_at2_avg_rms vs Slug



Right In: 1774.636 $\pm$ 0.289 χ^2 /NDF: 525115.5/34

Left Out: 1851.959 $\pm$ 0.308 χ^2 /NDF: 648954.2/24

Right Out: 1779.392 $\pm$ 0.289 χ^2 /NDF: 2021457.4/37

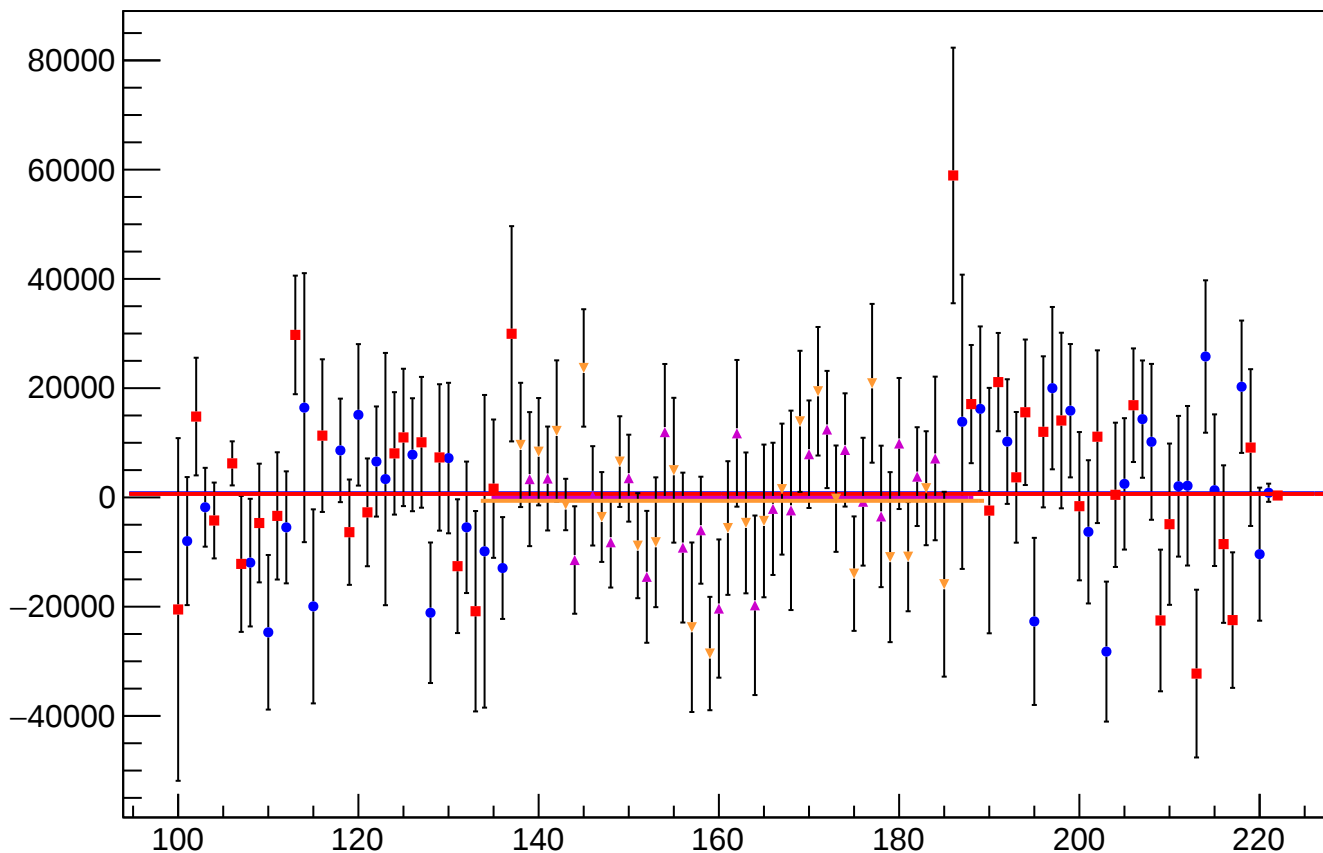
Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

+ sign 1810.819 $\pm$ 0.211 χ^2 /NDF: 1207653.4/59

All: 1808.439 $\pm$ 0.149 χ^2 /NDF: 3448355.1/12

- sign 1806.029 $\pm$ 0.212 χ^2 /NDF: 2240444.5/60

asym_at2_avg_correction_mean vs Slug



Right In: 761.530 $\pm$ 1312.920 χ^2 /NDF: 37.3/34

Left Out: -619.372 $\pm$ 2069.686 χ^2 /NDF:30.1/24

Right Out: 637.017 $\pm$ 520.860 χ^2 /NDF: 52.9/37

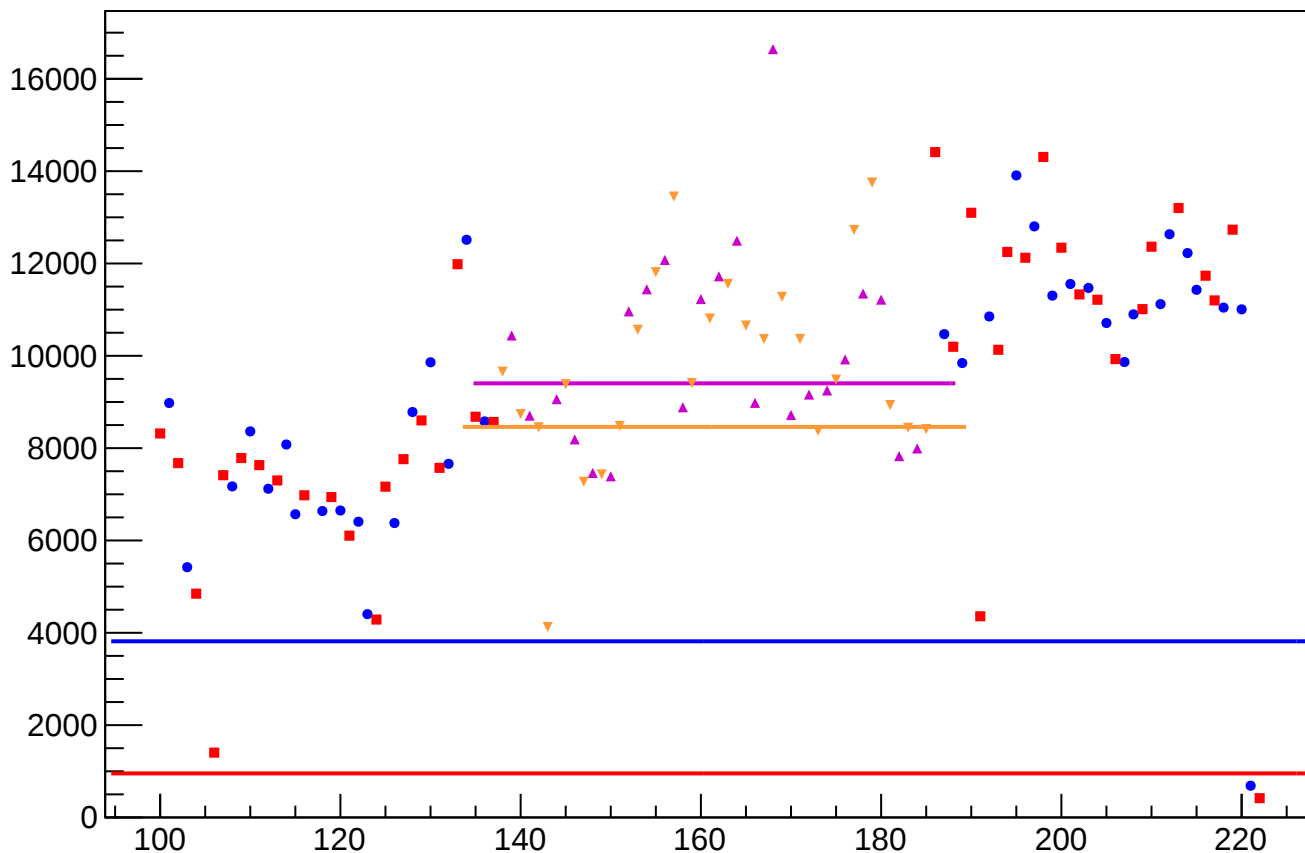
Left In: -93.334 $\pm$ 2293.826 χ^2 /NDF:14.6/22

+ sign 365.292 $\pm$ 1108.666 χ^2 /NDF: 67.8/59

All: 560.279 $\pm$ 461.774 χ^2 /NDF: 135.4/120

- sign 601.206 $\pm$ 507.930 χ^2 /NDF: 67.6/60

asym_at2_avg_correction_rms vs Slug



Right In: 3815.850+/-0.928 χ^2/NDF : 21244783.4/34

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 954.218+/-0.368 χ^2/NDF : 32928606.8/37

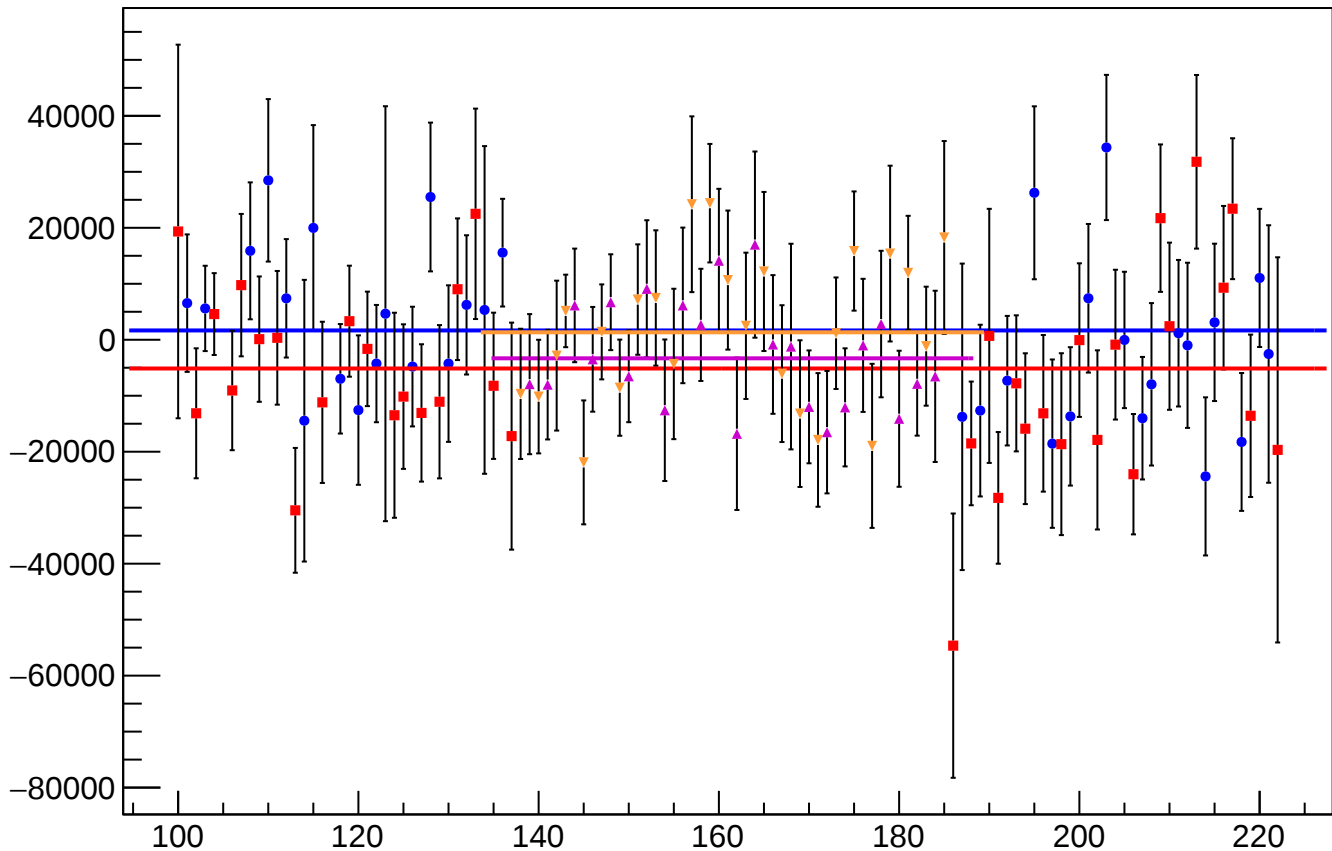
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 5148.436+/-0.784 χ^2/NDF : 31512430.7/59

All: 2024.262+/-0.327 χ^2/NDF : 110604474.0

- sign 1368.509+/-0.359 χ^2/NDF : 59876758.2/60

asym_at2_avg_mean vs Slug



Right In: 1664.786+/-2193.344 χ^2/NDF : 38.5/34

Left Out: 1332.828+/-2213.733 χ^2/NDF : 28.0/24

Right Out: -5132.284+/-2118.931 χ^2/NDF : 47.9/37

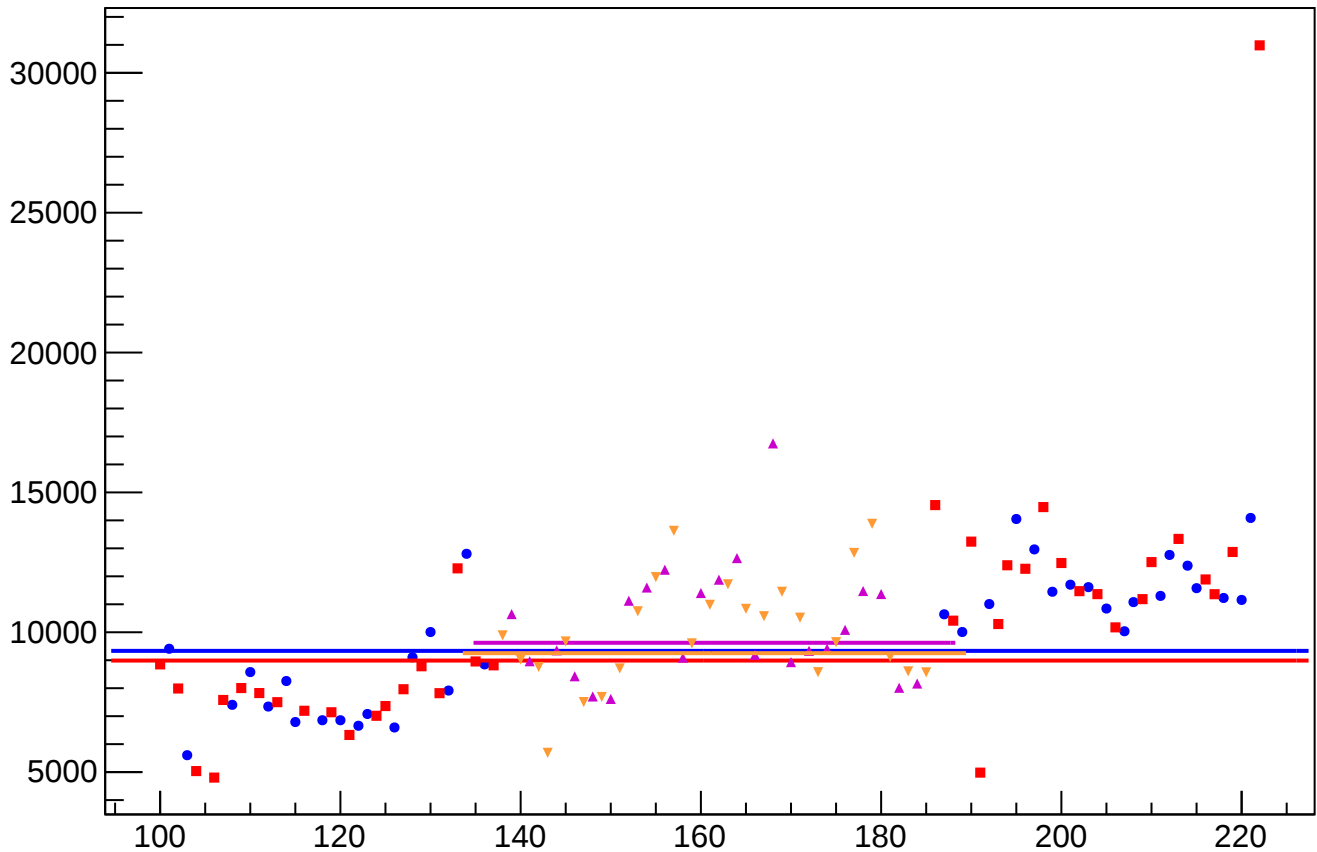
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 1500.343+/-1558.087 χ^2/NDF : 66.6/59

All: -1381.967+/-1106.633 χ^2/NDF : 135.4/12

- sign -4316.123+/-1572.038 χ^2/NDF : 61.9/60

asym_at2_avg_rms vs Slug



Right In: 9334.700+/-1.551 χ^2/NDF : 2256478.8/34

Left Out: 9252.712+/-1.565 χ^2/NDF : 1597668.9/24

Right Out: 8988.298+/-1.498 χ^2/NDF : 4021142.3/37

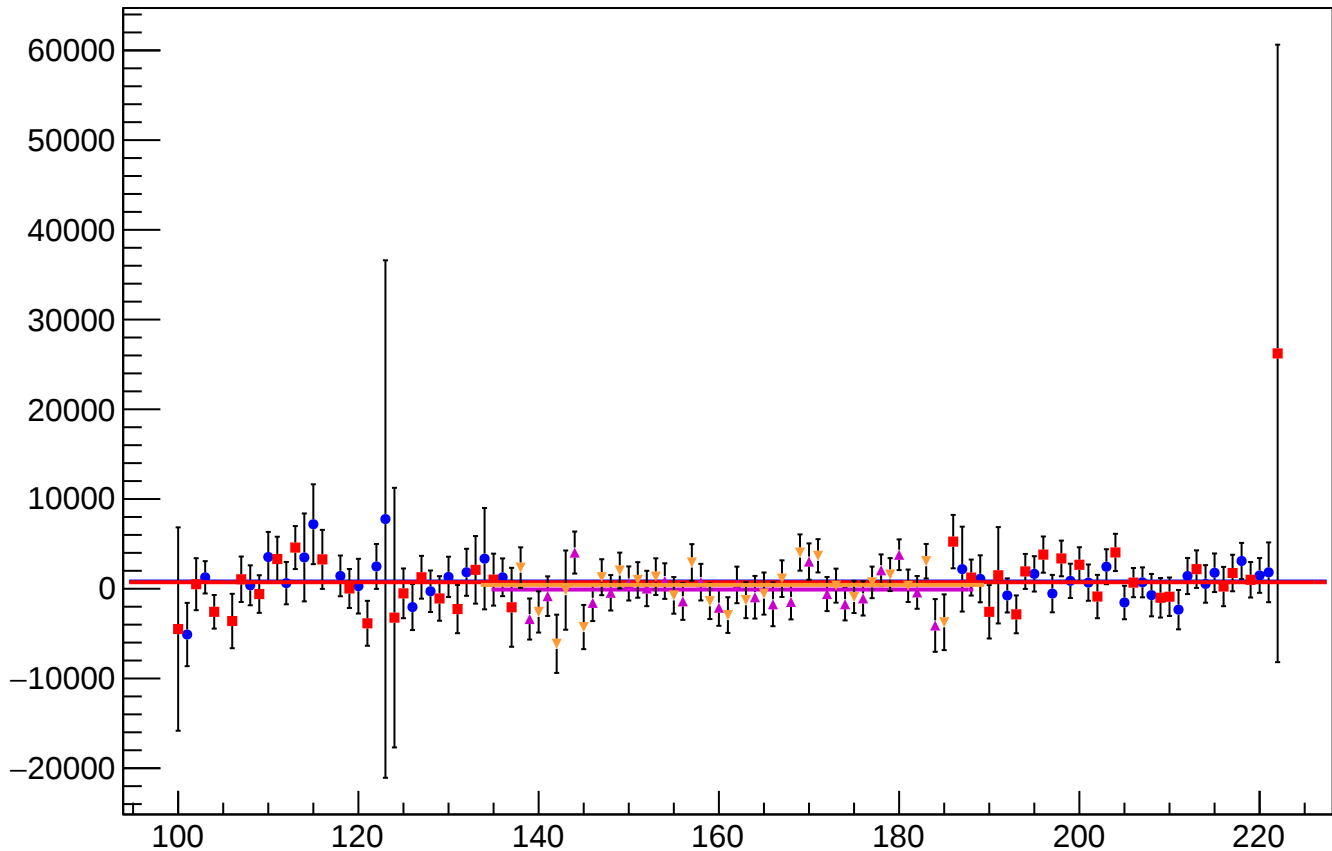
Left In: 9623.485+/-1.658 χ^2/NDF : 1069924.0/22

+ sign 9294.086+/-1.102 χ^2/NDF : 3855532.2/59

All: 9284.052+/-0.782 χ^2/NDF : 9027572.0/12

- sign 9273.839+/-1.112 χ^2/NDF : 5171872.5/60

reg_asym_at2_dd_mean vs Slug



Right In: 806.264 $\pm$ 393.551 χ^2 /NDF: 16.7/34

Left Out: 429.447 $\pm$ 416.378 χ^2 /NDF: 28.7/24

Right Out: 728.242 $\pm$ 393.621 χ^2 /NDF: 33.7/37

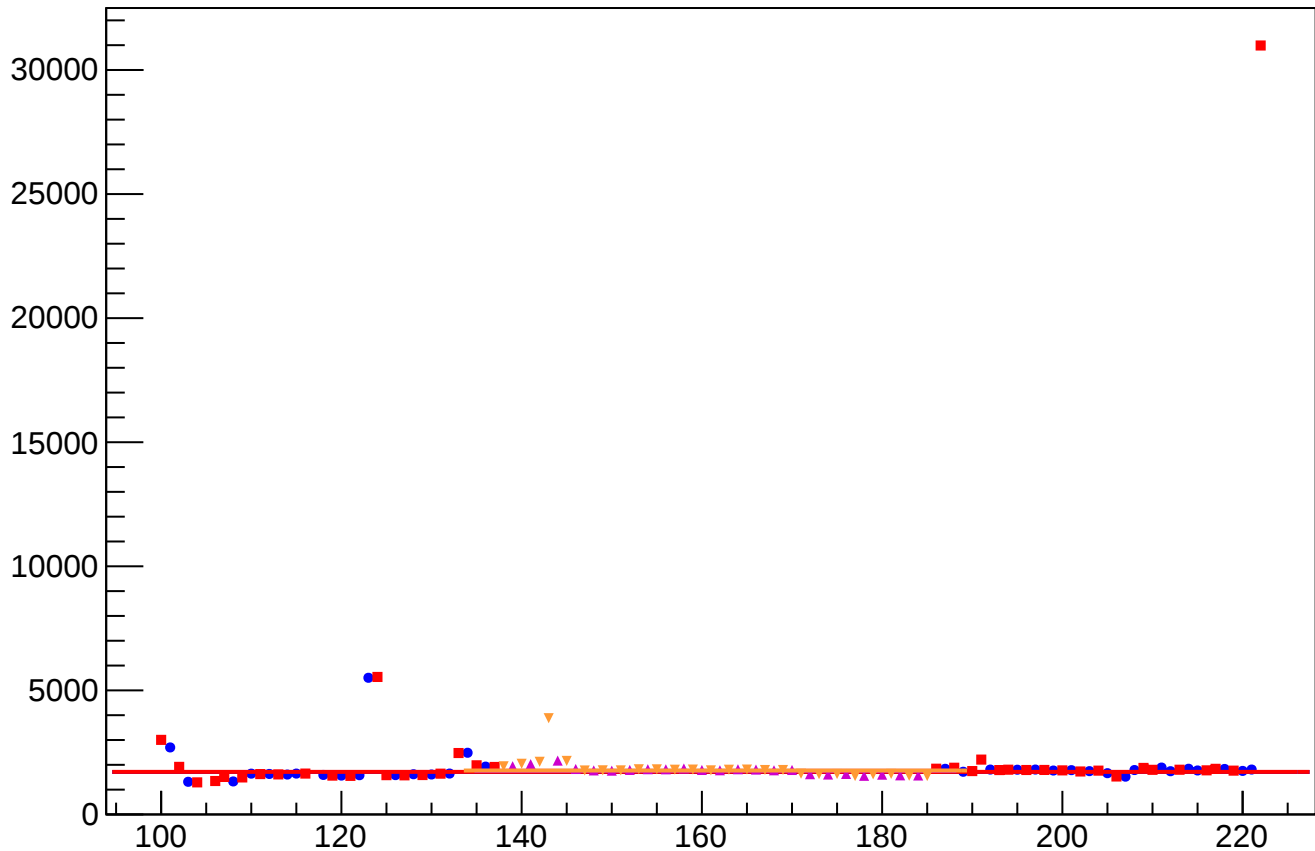
Left In: -88.373 $\pm$ 421.957 χ^2 /NDF: 21.0/22

+ sign 628.467 $\pm$ 286.012 χ^2 /NDF: 45.8/59

All: 489.257 $\pm$ 202.880 χ^2 /NDF: 102.9/120

- sign 348.273 $\pm$ 287.829 χ^2 /NDF: 56.6/60

reg_asym_at2_dd_rms vs Slug



Right In: 1711.022 $\pm$ 0.278 χ^2 /NDF: 521822.3/34

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1715.849 $\pm$ 0.278 χ^2 /NDF: 2038865.2/37

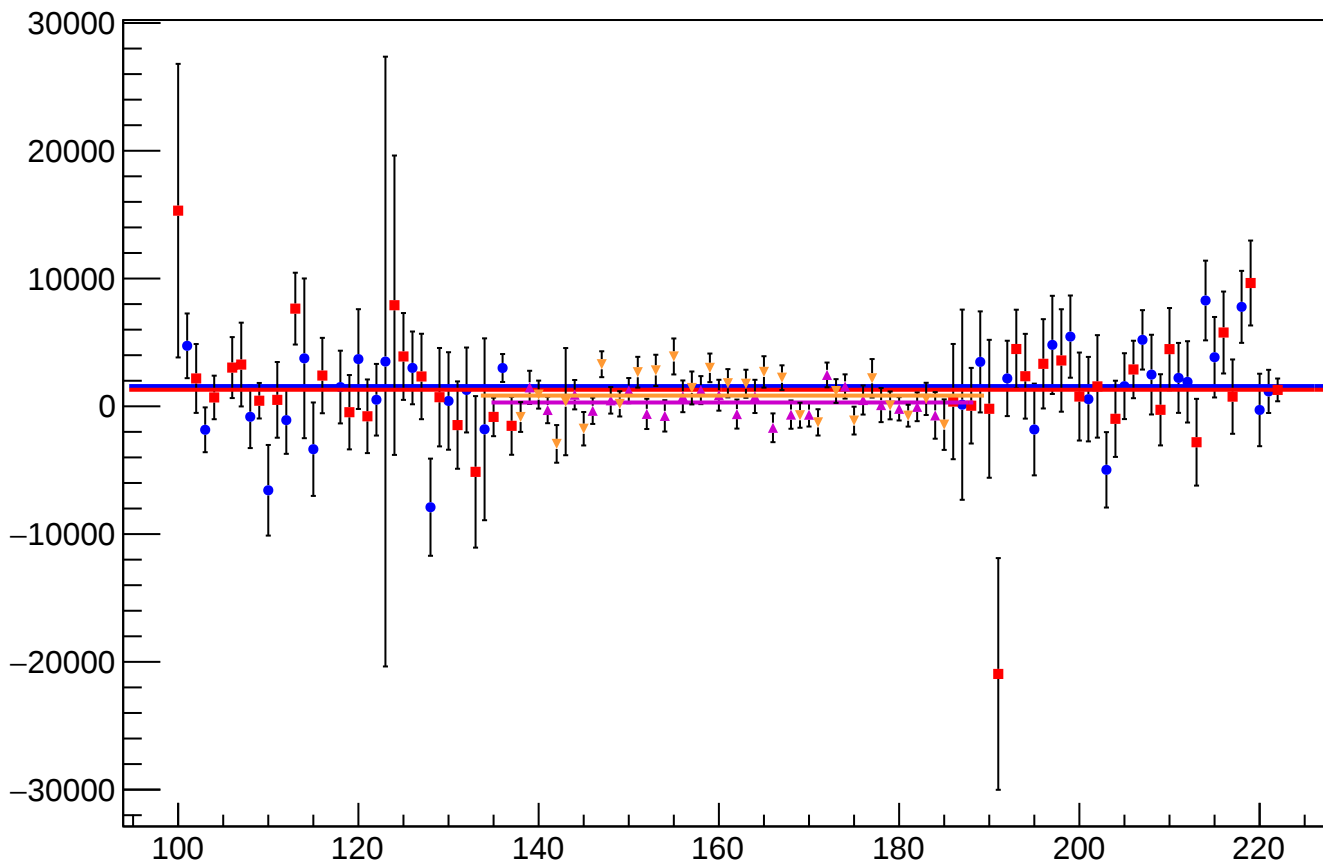
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1739.031 $\pm$ 0.202 χ^2 /NDF: 1242829.2/59

All: 1736.940 $\pm$ 0.143 χ^2 /NDF: 3514972.7/12

- sign 1734.821 $\pm$ 0.204 χ^2 /NDF: 2271928.2/60

asym_at2_dd_correction_mean vs Slug



Right In: 1583.980 $\pm$ 465.362 χ^2 /NDF: 44.9/34

Left Out: 839.344 $\pm$ 230.465 χ^2 /NDF: 54.4/24

Right Out: 1295.652 $\pm$ 416.858 χ^2 /NDF: 35.9/37

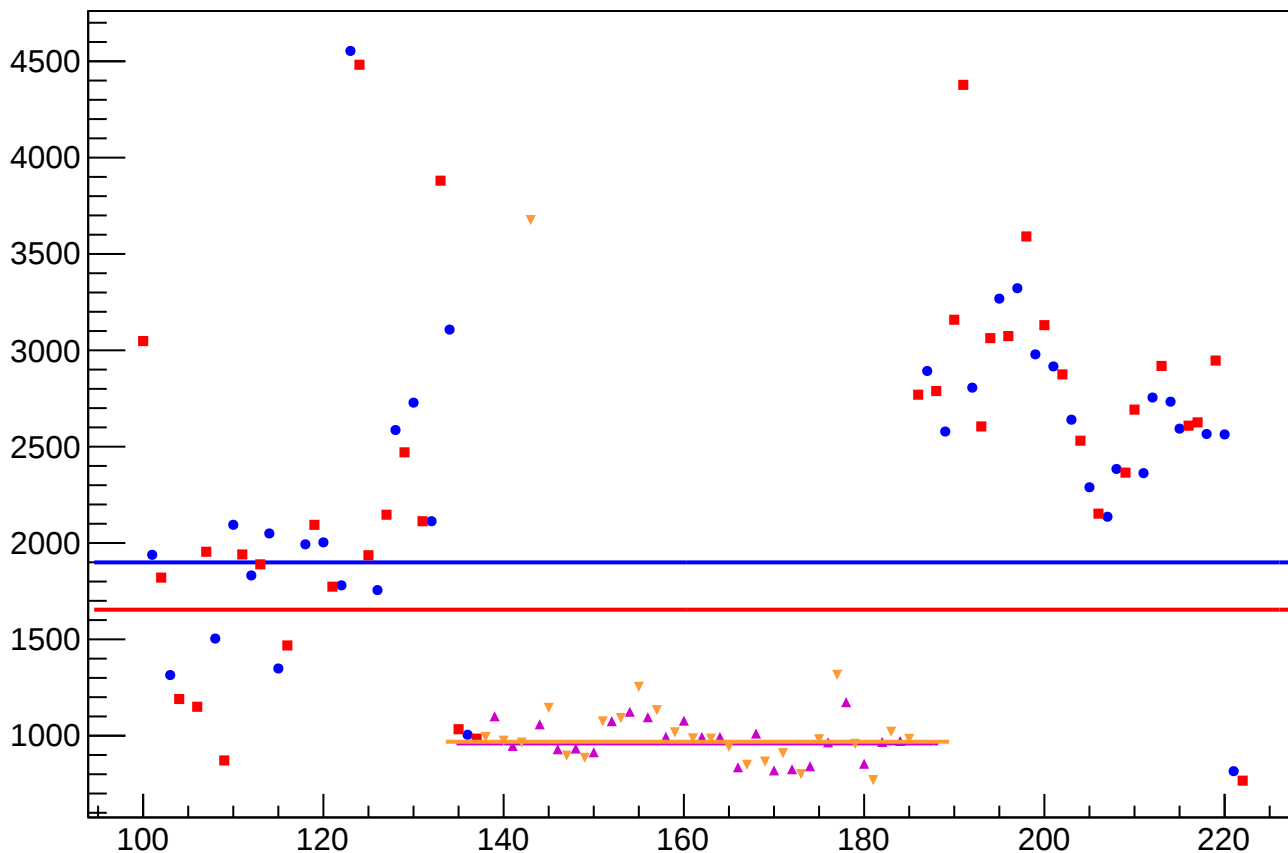
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 986.004 $\pm$ 206.526 χ^2 /NDF: 101.3/59

All: 755.154 $\pm$ 144.525 χ^2 /NDF: 162.4/120

- sign 533.616 $\pm$ 202.318 χ^2 /NDF: 58.6/60

asym_at2_dd_correction_rms vs Slug



Right In: 1899.377 $\pm$ 0.329 χ^2 /NDF: 4920963.0/34

Left Out: 968.712 $\pm$ 0.163 χ^2 /NDF: 1393696.6/24

Right Out: 1654.039 $\pm$ 0.295 χ^2 /NDF: 8340174.7/37

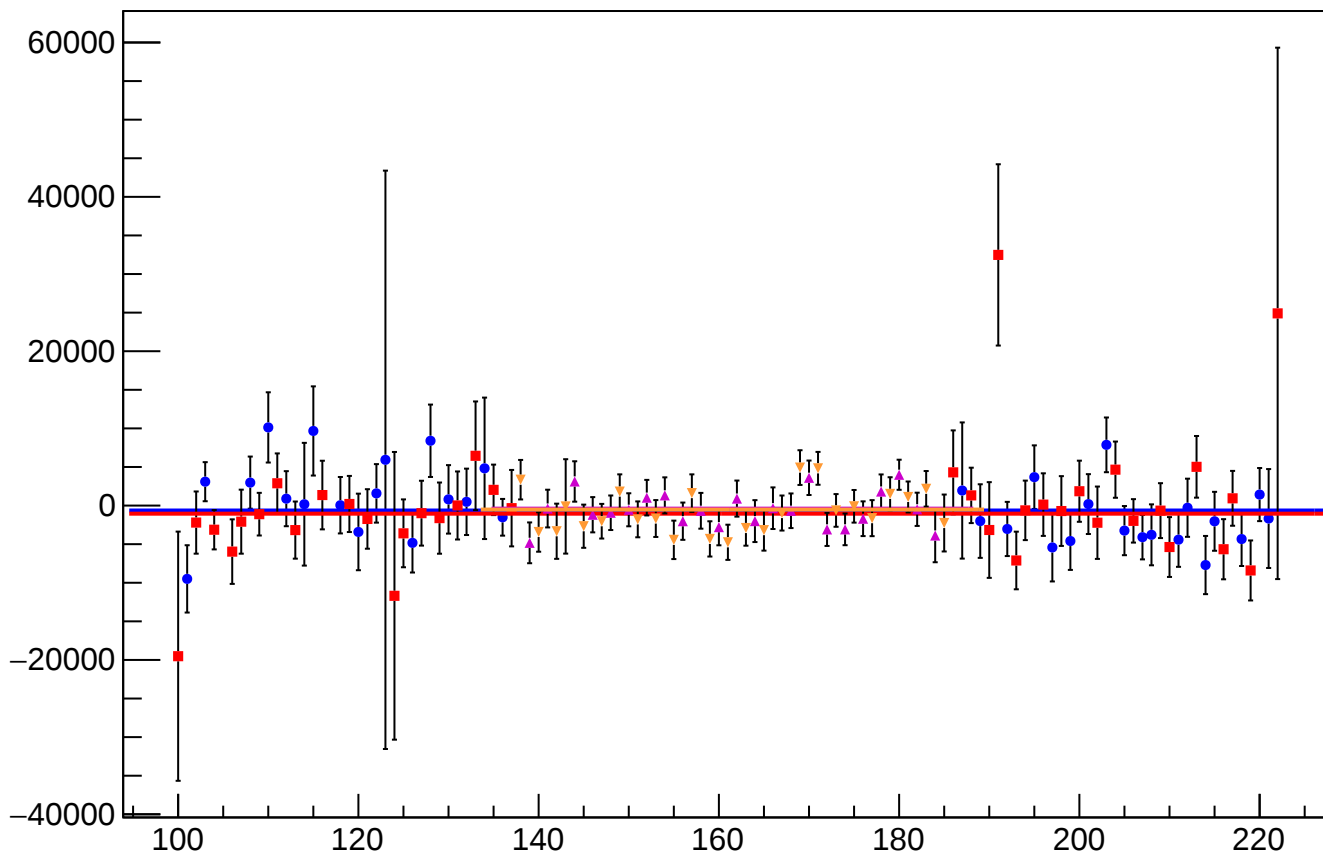
Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

+ sign 1152.012 $\pm$ 0.146 χ^2 /NDF: 12738214.5/59

All: 1137.379 $\pm$ 0.102 χ^2 /NDF: 25709720.2/100

- sign 1123.336 $\pm$ 0.143 χ^2 /NDF: 12951830.1/60

asym_at2_dd_mean vs Slug



Right In: -639.638 ± 660.552 χ^2/NDF : 41.6/34

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -1050.029 ± 661.125 χ^2/NDF : 33.1/37

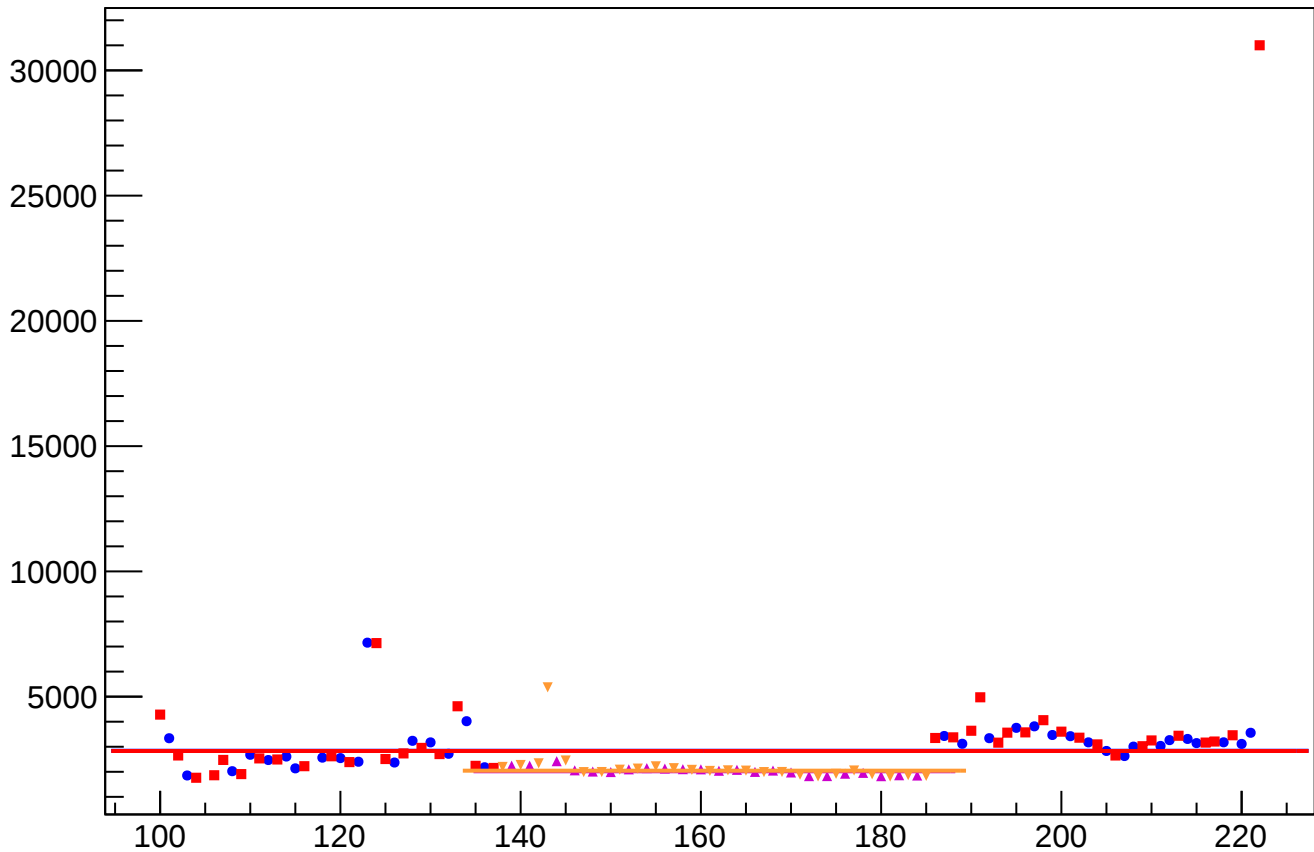
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -560.021 ± 389.091 χ^2/NDF : 75.7/59

All: -592.726 ± 275.830 χ^2/NDF : 131.2/120

- sign -625.767 ± 391.082 χ^2/NDF : 55.5/60

asym_at2_dd_rms vs Slug



Right In: 2840.436 $\pm$ 0.467 χ^2 /NDF: 1336157.4/34

Left Out: 2044.722 $\pm$ 0.340 χ^2 /NDF: 788703.5/24

Right Out: 2830.225 $\pm$ 0.467 χ^2 /NDF: 3261117.0/37

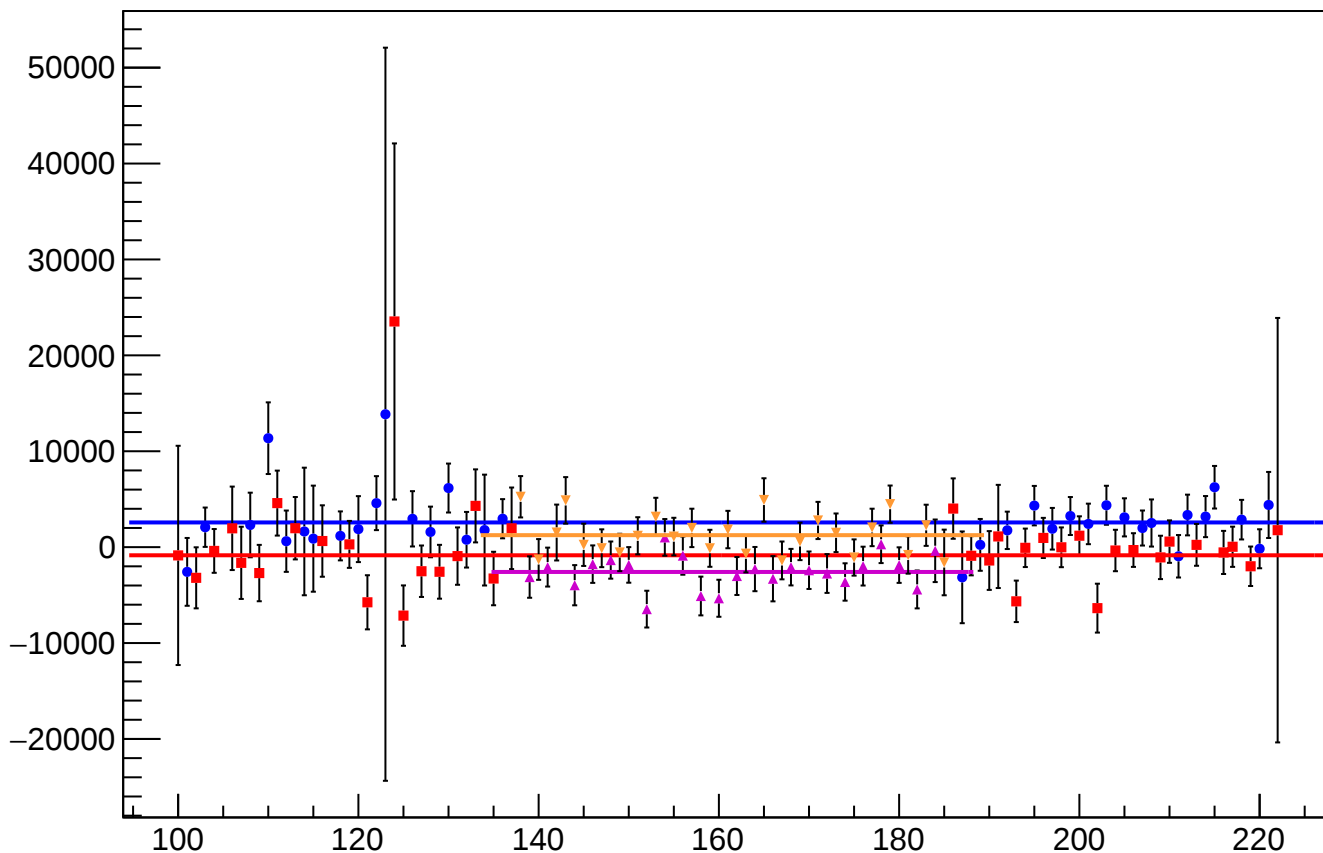
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2320.809 $\pm$ 0.275 χ^2 /NDF: 4020105.3/59

All: 2312.466 $\pm$ 0.195 χ^2 /NDF: 9405448.7/12

- sign 2304.037 $\pm$ 0.277 χ^2 /NDF: 5383494.7/60

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2575.839 $\pm$ 424.844 χ^2 /NDF: 23.6/34

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF:23.0/24

Right Out: -848.317 $\pm$ 429.022 χ^2 /NDF: 33.3/37

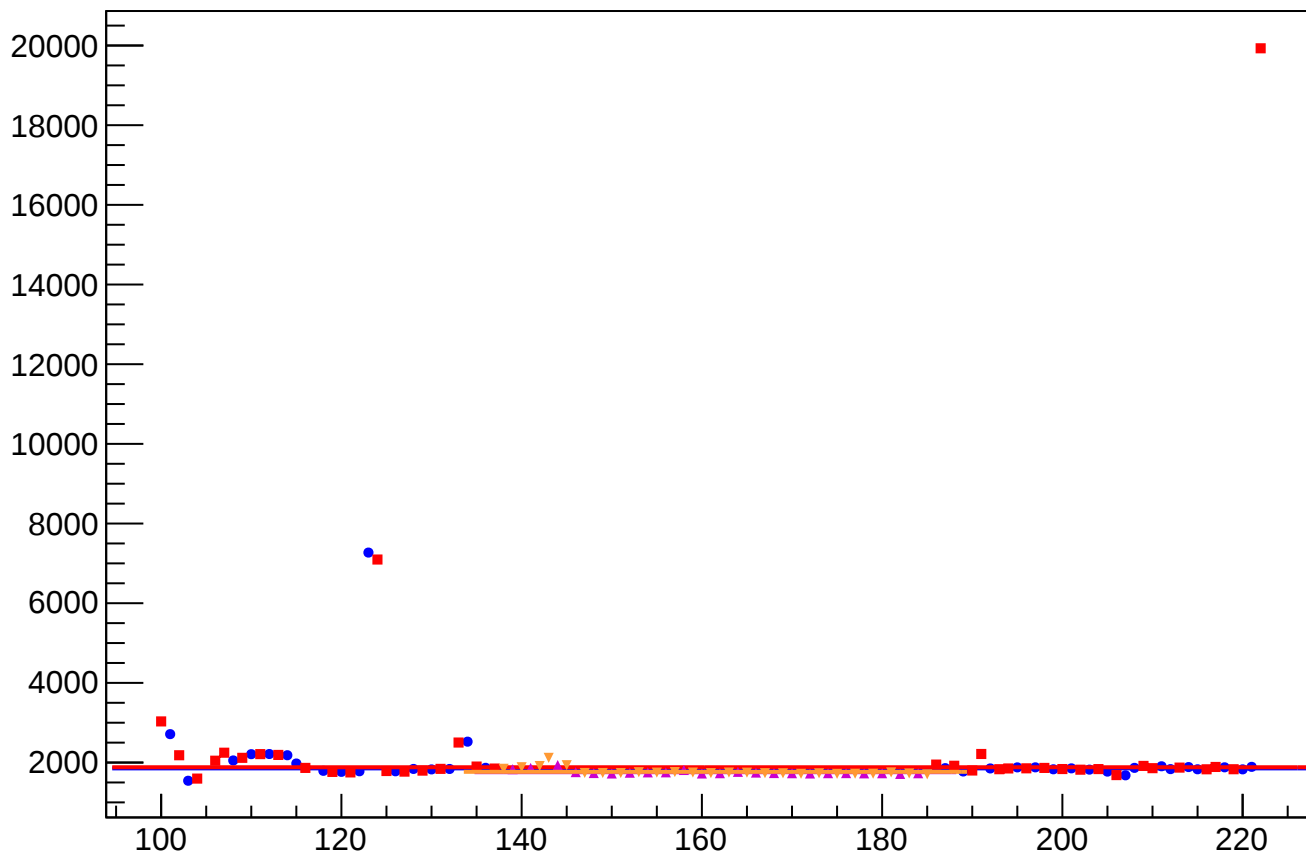
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1893.312 $\pm$ 295.944 χ^2 /NDF: 51.6/59

All: 108.908 $\pm$ 210.916 χ^2 /NDF: 184.6/120

- sign -1732.982 $\pm$ 300.673 χ^2 /NDF: 59.1/60

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1853.578+/-0.300 χ^2/NDF : 320526.5/34

Left Out: 1767.517+/-0.292 χ^2/NDF : 77674.7/24

Right Out: 1881.864+/-0.303 χ^2/NDF : 1742214.4/37

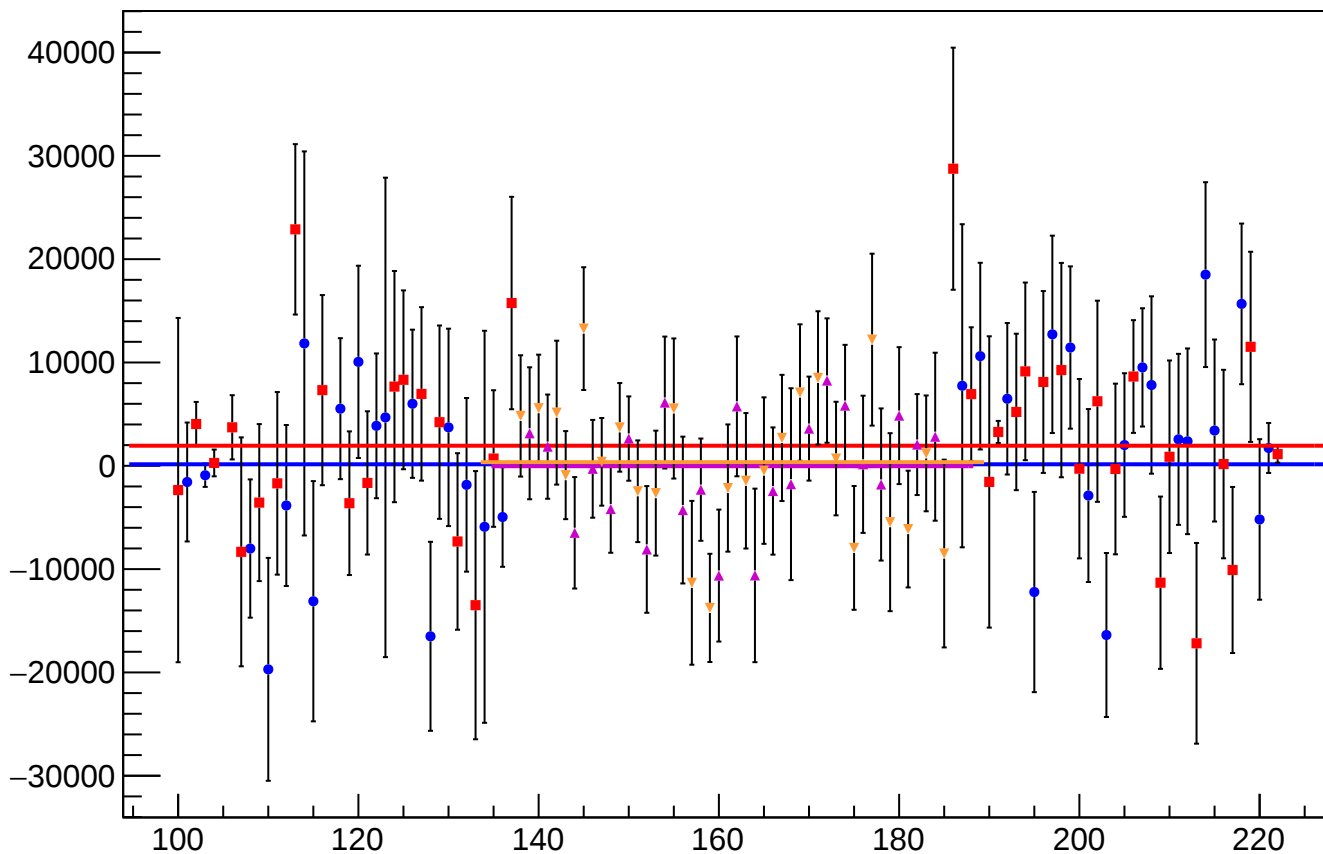
Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

+ sign 1809.277+/-0.209 χ^2/NDF : 440447.4/59

All: 1814.018+/-0.149 χ^2/NDF : 2298279.9/12

- sign 1818.910+/-0.213 χ^2/NDF : 1856789.6/60

asym_atl1r2_avg_correction_mean vs Slug



Right In: 147.072 ± 829.214 χ^2/NDF : 40.4/34

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 1943.915 ± 521.136 χ^2/NDF : 39.8/37

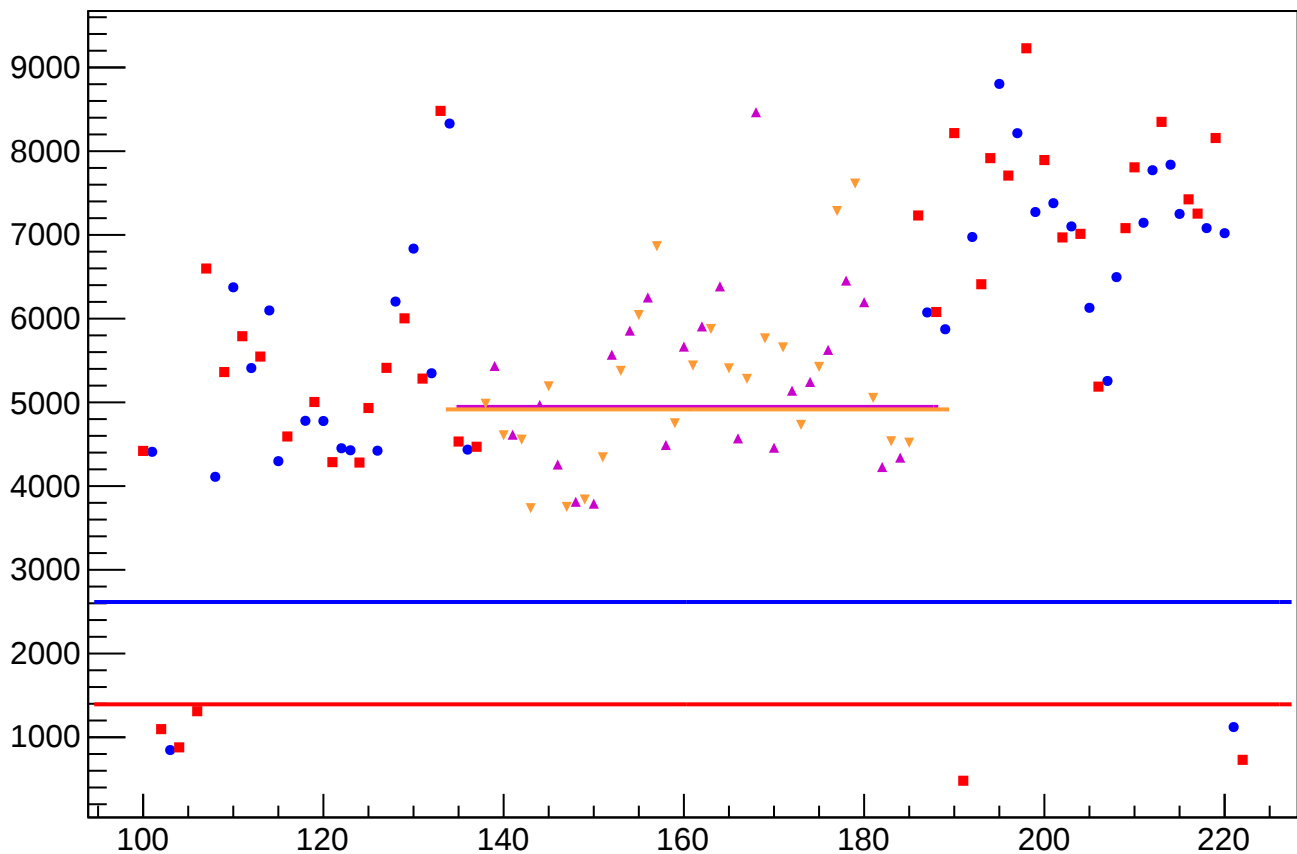
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign 215.328 ± 676.542 χ^2/NDF : 68.3/59

All: 1159.863 ± 390.650 χ^2/NDF : 129.3/120

- sign 1632.306 ± 478.476 χ^2/NDF : 58.1/60

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2615.418 $\pm$ 0.586 χ^2 /NDF: 18237767.6/34

Left Out: 4915.865 $\pm$ 0.827 χ^2 /NDF:1186479.7/24

Right Out: 1393.472 $\pm$ 0.368 χ^2 /NDF: 25124863.3/37

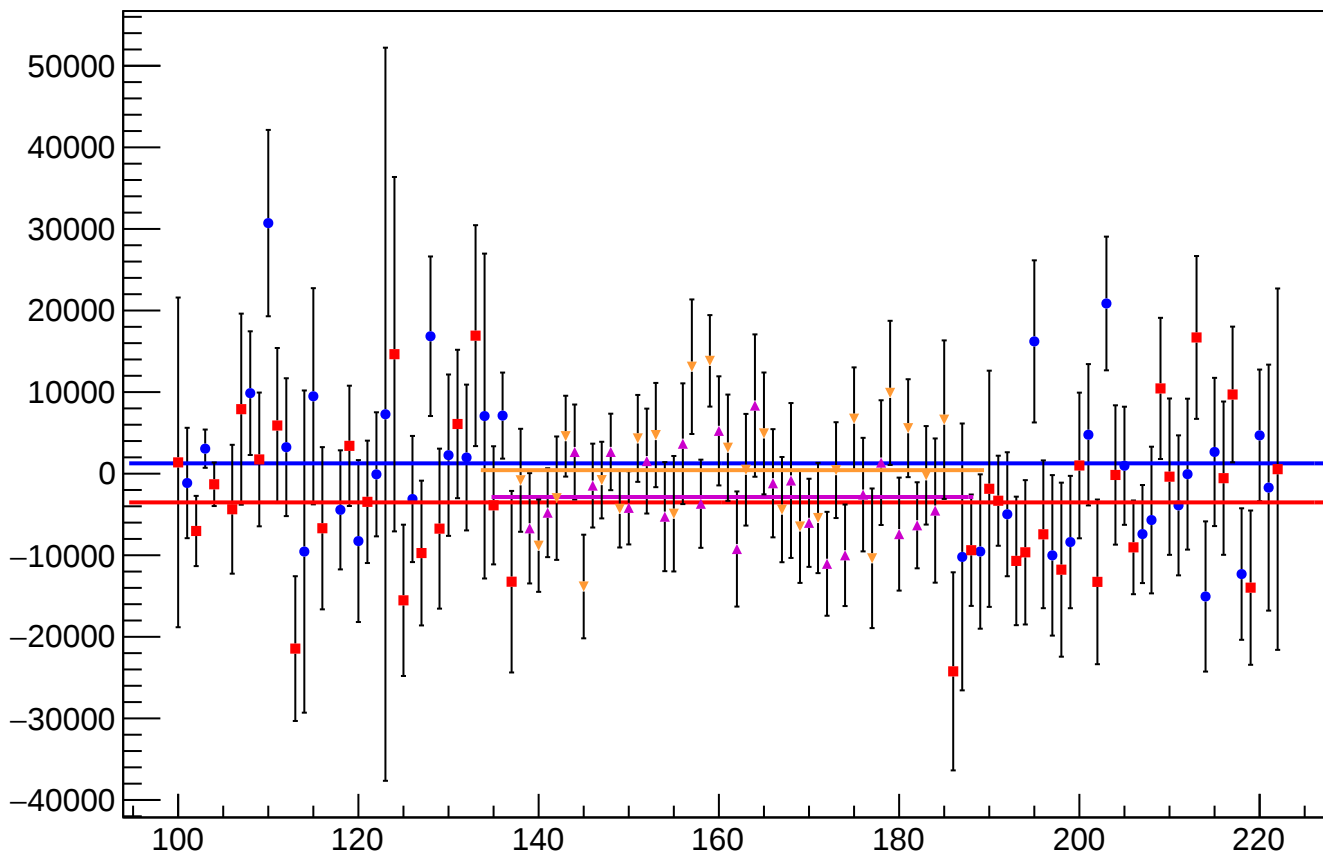
Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

+ sign 3384.534 $\pm$ 0.478 χ^2 /NDF: 24570623.0/59

All: 2429.135 $\pm$ 0.276 χ^2 /NDF: 71459110.2/100

- sign 1951.258 $\pm$ 0.338 χ^2 /NDF: 40904989.0/60

asym_atl1r2_avg_mean vs Slug



Right In: 1265.273+/-1264.213 χ^2/NDF : 37.8/34

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -3521.380+/-1247.971 χ^2/NDF : 34.7/37

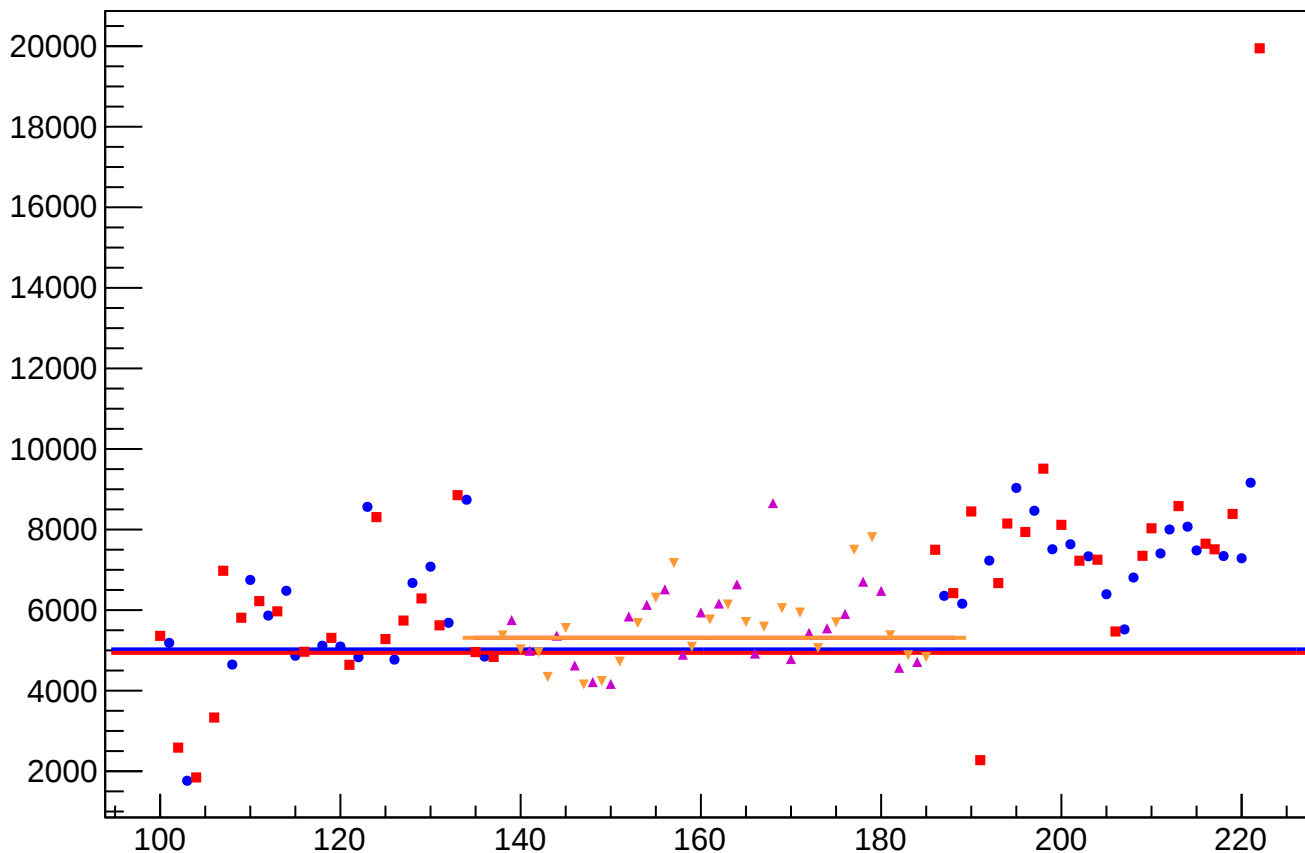
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 846.102+/-891.826 χ^2/NDF : 65.1/59

All: -1164.792+/-632.690 χ^2/NDF : 123.1/120

- sign -3202.357+/-897.721 χ^2/NDF : 47.7/60

asym_atl1r2_avg_rms vs Slug



Right In: 5025.179+/-0.894 χ^2/NDF : 6864200.4/34

Left Out: 5313.008+/-0.890 χ^2/NDF : 894369.8/24

Right Out: 4939.709+/-0.879 χ^2/NDF : 8239661.7/37

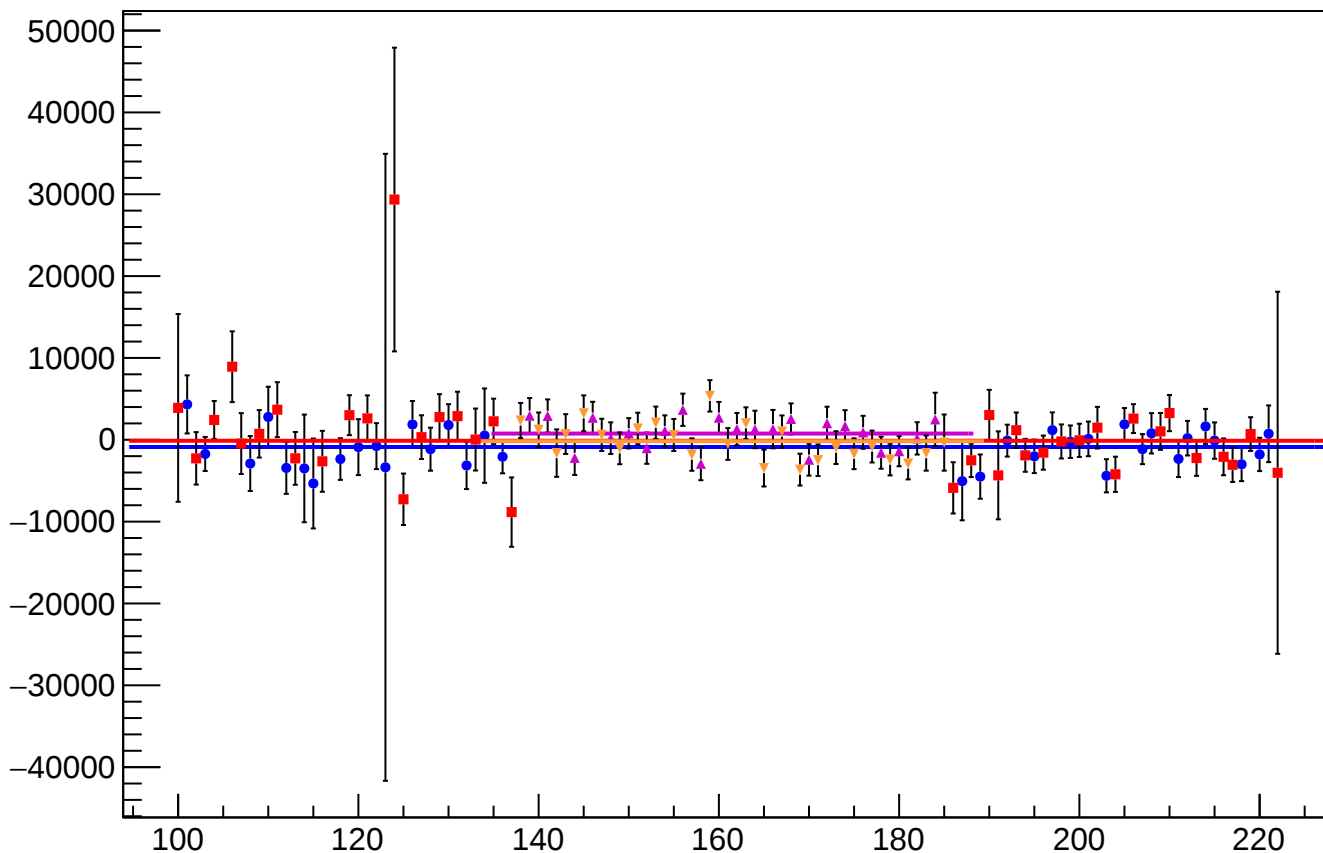
Left In: 5312.861+/-0.914 χ^2/NDF : 957400.7/22

+ sign 5169.771+/-0.631 χ^2/NDF : 7810649.9/59

All: 5144.510+/-0.447 χ^2/NDF : 17097555.9/100

- sign 5119.020+/-0.633 χ^2/NDF : 9283682.0/60

reg_asym_atl1r2_dd_mean vs Slug



Right In: -881.157 ± 424.603 χ^2/NDF : 21.9/34

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: -120.215 ± 428.661 χ^2/NDF : 46.6/37

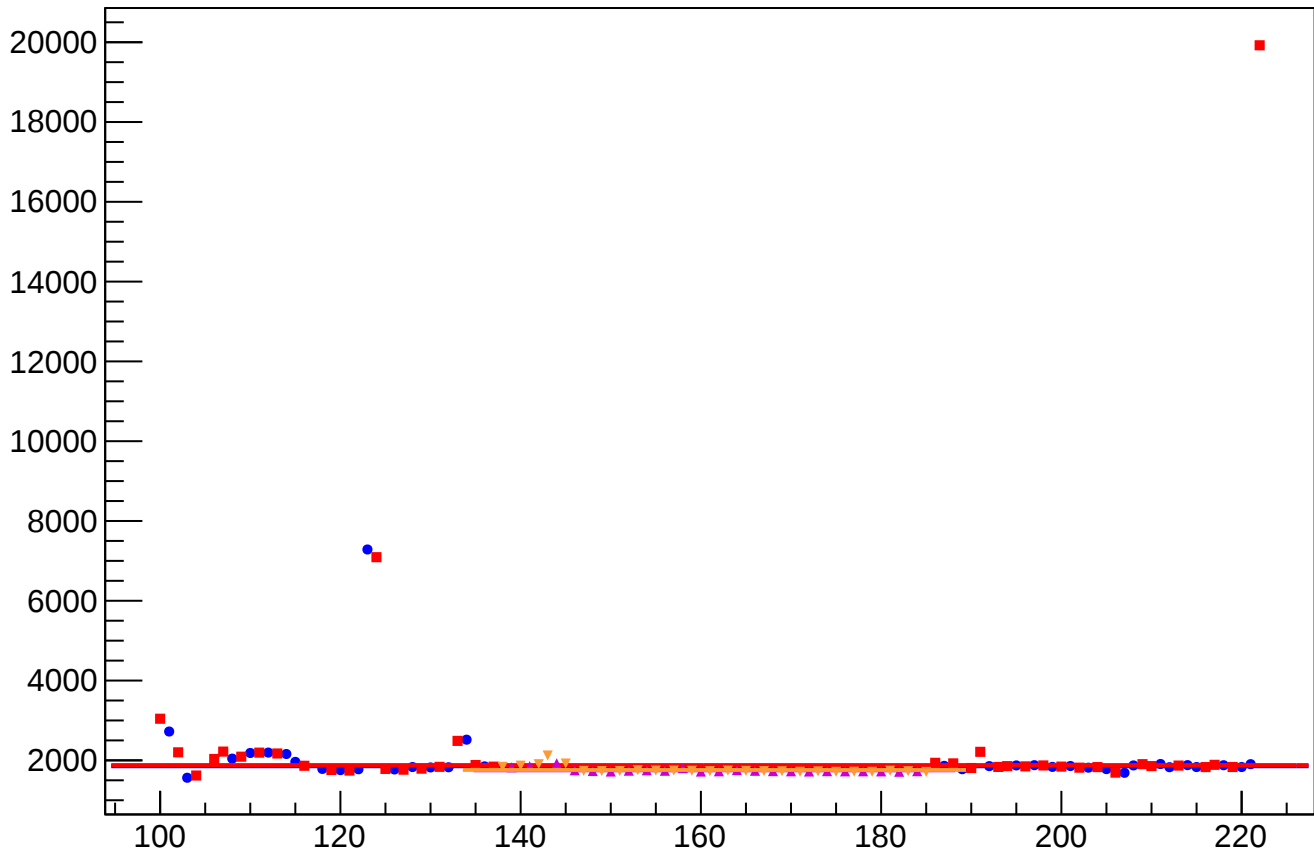
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -519.040 ± 295.304 χ^2/NDF : 52.5/59

All: -101.735 ± 210.440 χ^2/NDF : 125.7/120

- sign 328.848 ± 299.965 χ^2/NDF : 69.1/60

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1852.874 $\pm$ 0.300 χ^2 /NDF: 308022.6/34

Left Out: 1761.091 $\pm$ 0.291 χ^2 /NDF: 77468.5/24

Right Out: 1880.828 $\pm$ 0.303 χ^2 /NDF: 1727210.2/37

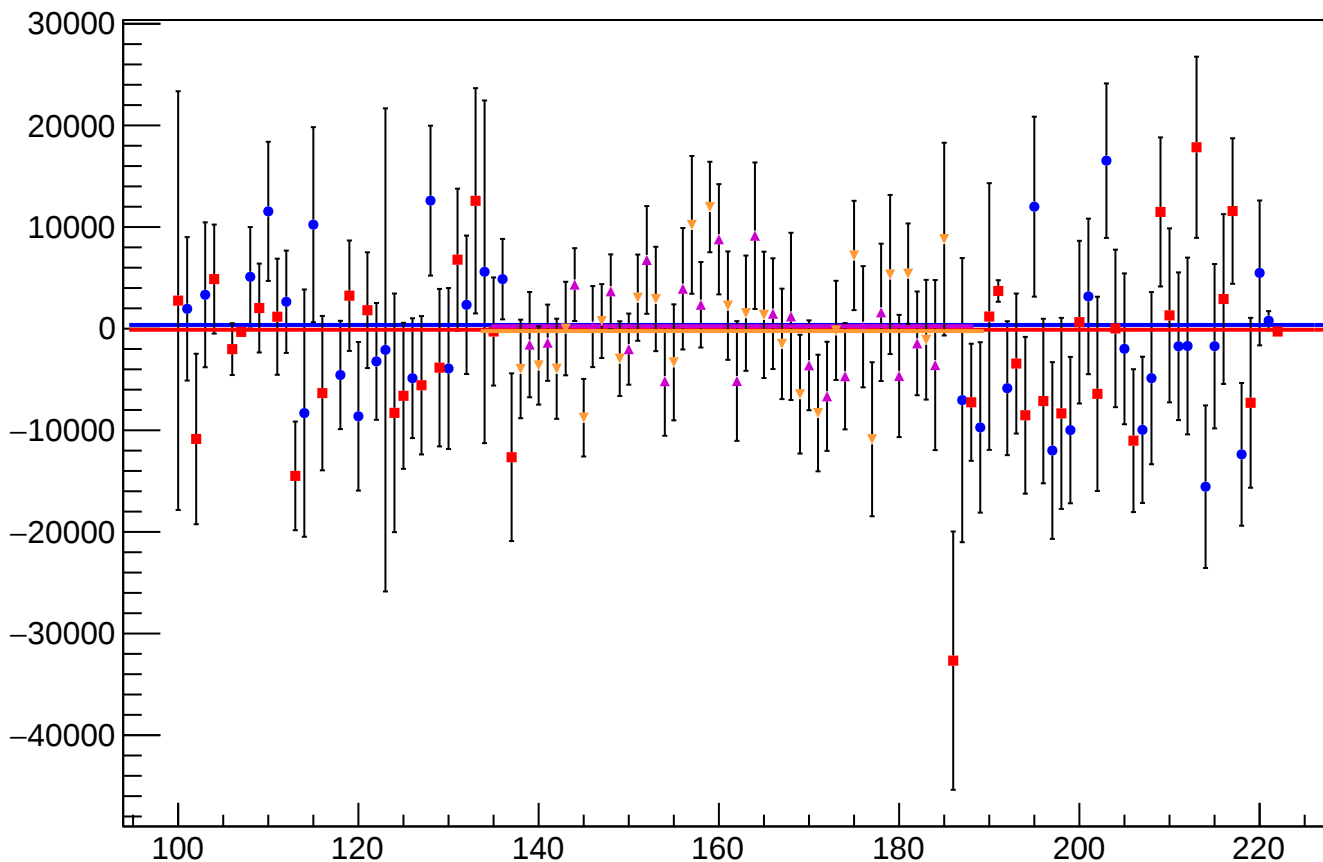
Left In: 1751.418 $\pm$ 0.297 χ^2 /NDF: 28578.7/22

+ sign 1805.486 $\pm$ 0.209 χ^2 /NDF: 433740.4/59

All: 1810.082 $\pm$ 0.149 χ^2 /NDF: 2283584.6/12

- sign 1814.822 $\pm$ 0.212 χ^2 /NDF: 1848860.1/60

asym_atl1r2_dd_correction_mean vs Slug



Right In: 366.104 ± 745.741 $\chi^2/\text{NDF}: 37.5/34$

Left Out: -235.806 ± 1005.144 $\chi^2/\text{NDF}: 28.9/24$

Right Out: -103.282 ± 282.816 $\chi^2/\text{NDF}: 55.9/37$

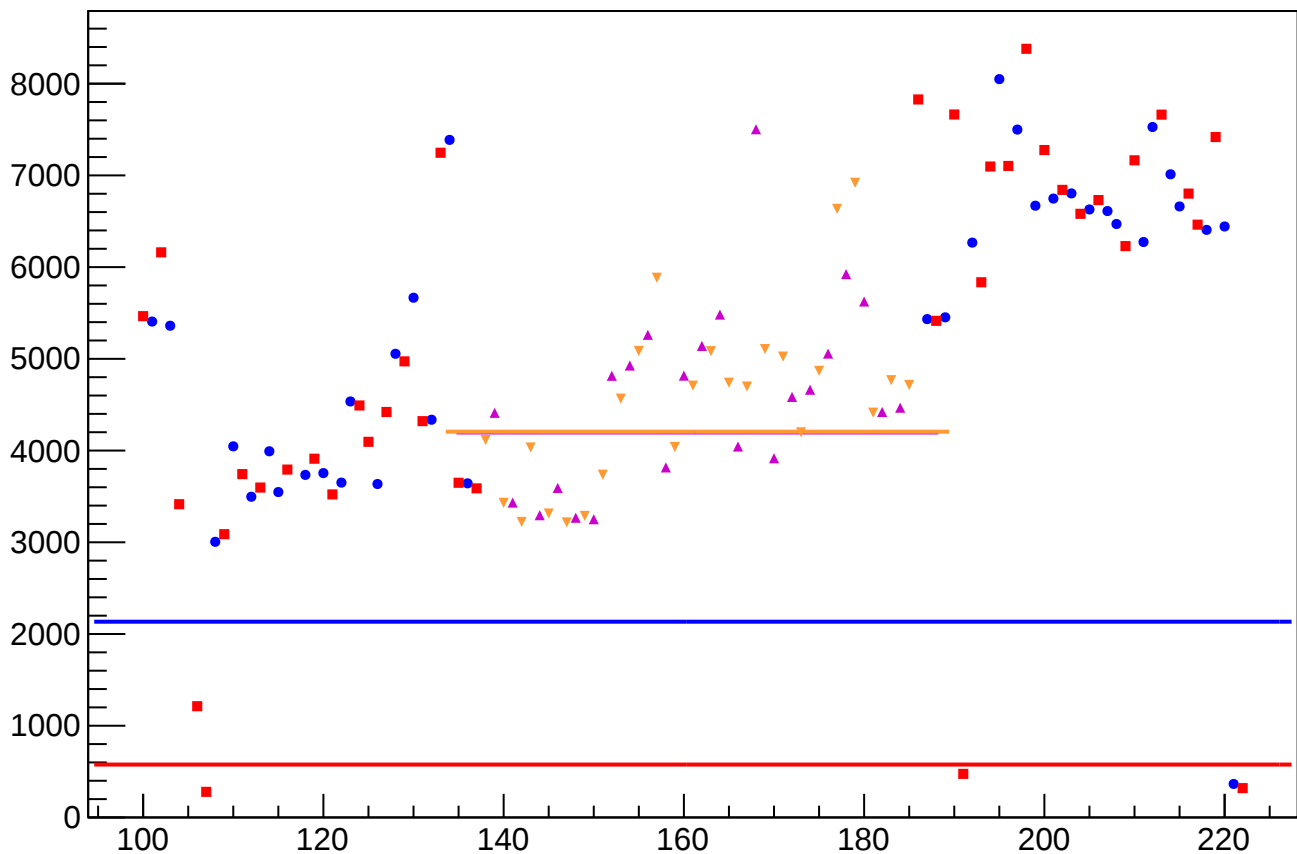
Left In: 239.224 ± 1028.883 $\chi^2/\text{NDF}: 15.3/22$

+ sign 152.410 ± 598.906 $\chi^2/\text{NDF}: 66.6/59$

All: -39.445 ± 248.184 $\chi^2/\text{NDF}: 138.0/120$

- sign -79.221 ± 272.701 $\chi^2/\text{NDF}: 71.3/60$

asym_atl1r2_dd_correction_rms vs Slug



Right In: 2134.262 ± 0.527 $\chi^2/\text{NDF}: 21733287.4/34$

Left Out: 4206.076 ± 0.711 $\chi^2/\text{NDF}: 1442269.3/24$

Right Out: 576.769 ± 0.200 $\chi^2/\text{NDF}: 31446989.1/37$

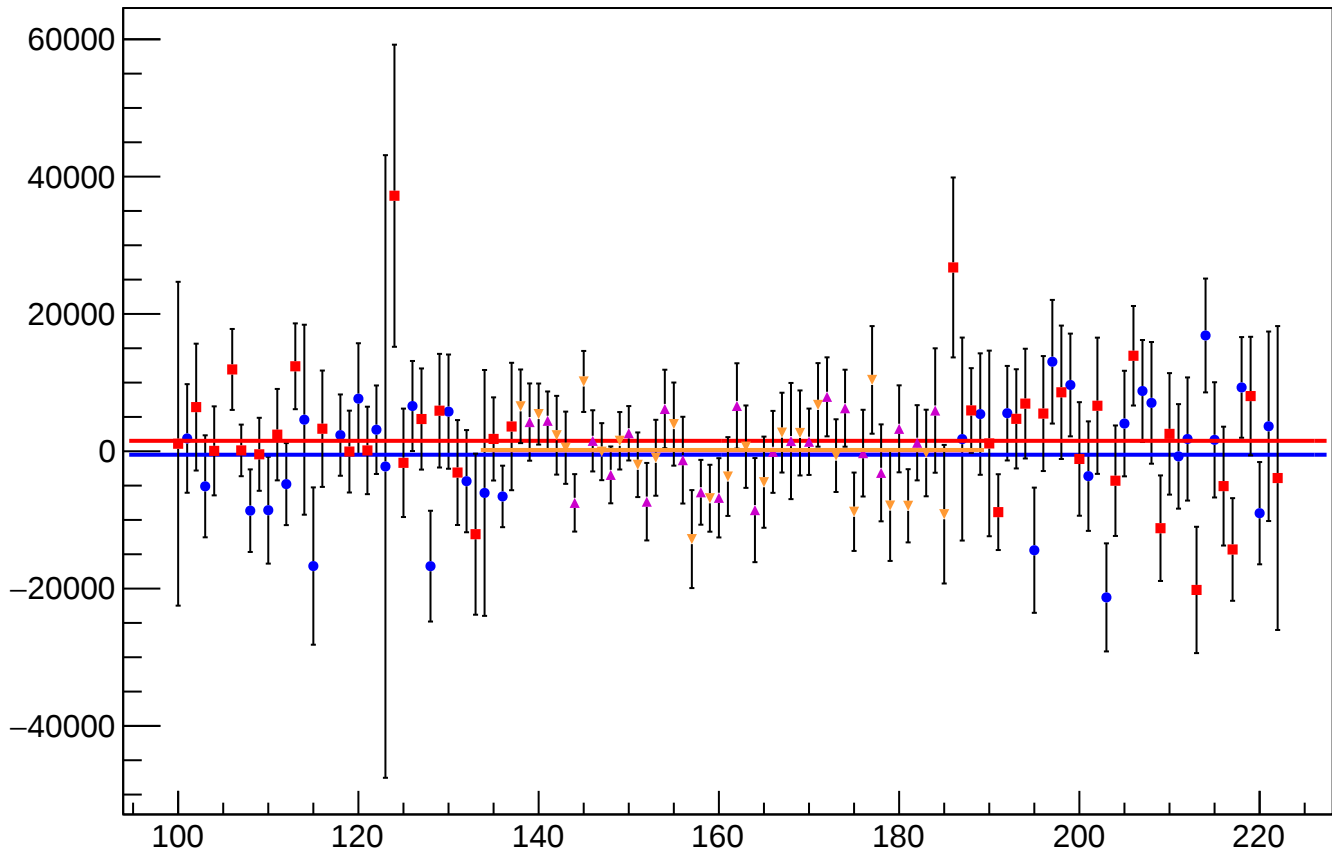
Left In: 4197.267 ± 0.728 $\chi^2/\text{NDF}: 1471012.9/22$

+ sign 2869.812 ± 0.423 $\chi^2/\text{NDF}: 28656012.9/59$

All: 1181.201 ± 0.175 $\chi^2/\text{NDF}: 103794448.5$

- sign 831.107 ± 0.193 $\chi^2/\text{NDF}: 55943076.1/60$

asym_atl1r2_dd_mean vs Slug



Right In: -505.866+/-1321.863 χ^2/NDF : 40.7/34

Left Out: 189.721+/-1106.851 χ^2/NDF : 25.0/24

Right Out: 1519.856+/-1213.347 χ^2/NDF : 39.0/37

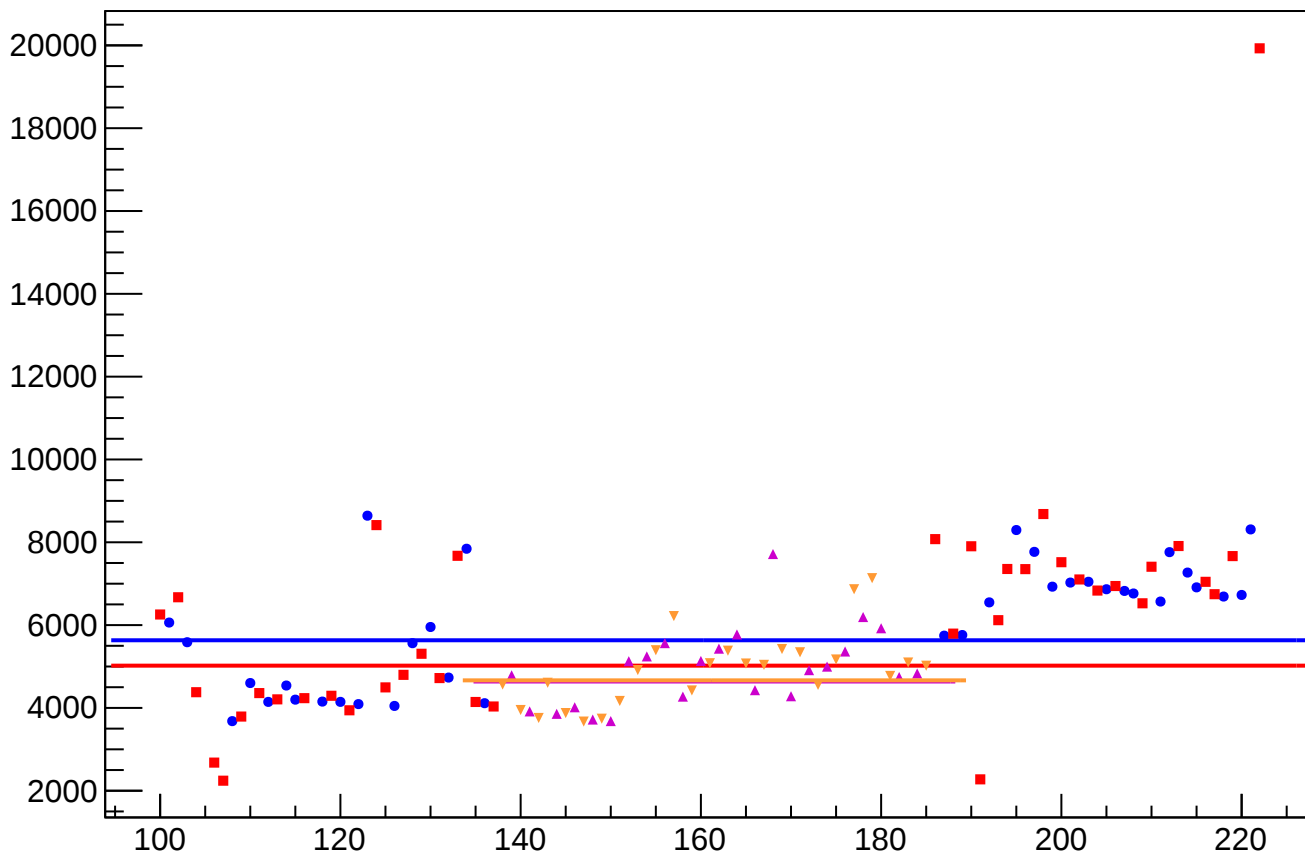
Left In: 137.477+/-1129.656 χ^2/NDF : 18.6/22

+ sign -96.972+/-848.631 χ^2/NDF : 65.9/59

All: 352.611+/-592.201 χ^2/NDF : 124.7/120

- sign 779.352+/-826.792 χ^2/NDF : 58.2/60

asym_atl1r2_dd_rms vs Slug



Right In: 5633.699+/-0.935 χ^2/NDF : 2212436.1/34

Left Out: 4665.620+/-0.783 χ^2/NDF : 1017235.0/24

Right Out: 5020.735+/-0.855 χ^2/NDF : 5676344.7/37

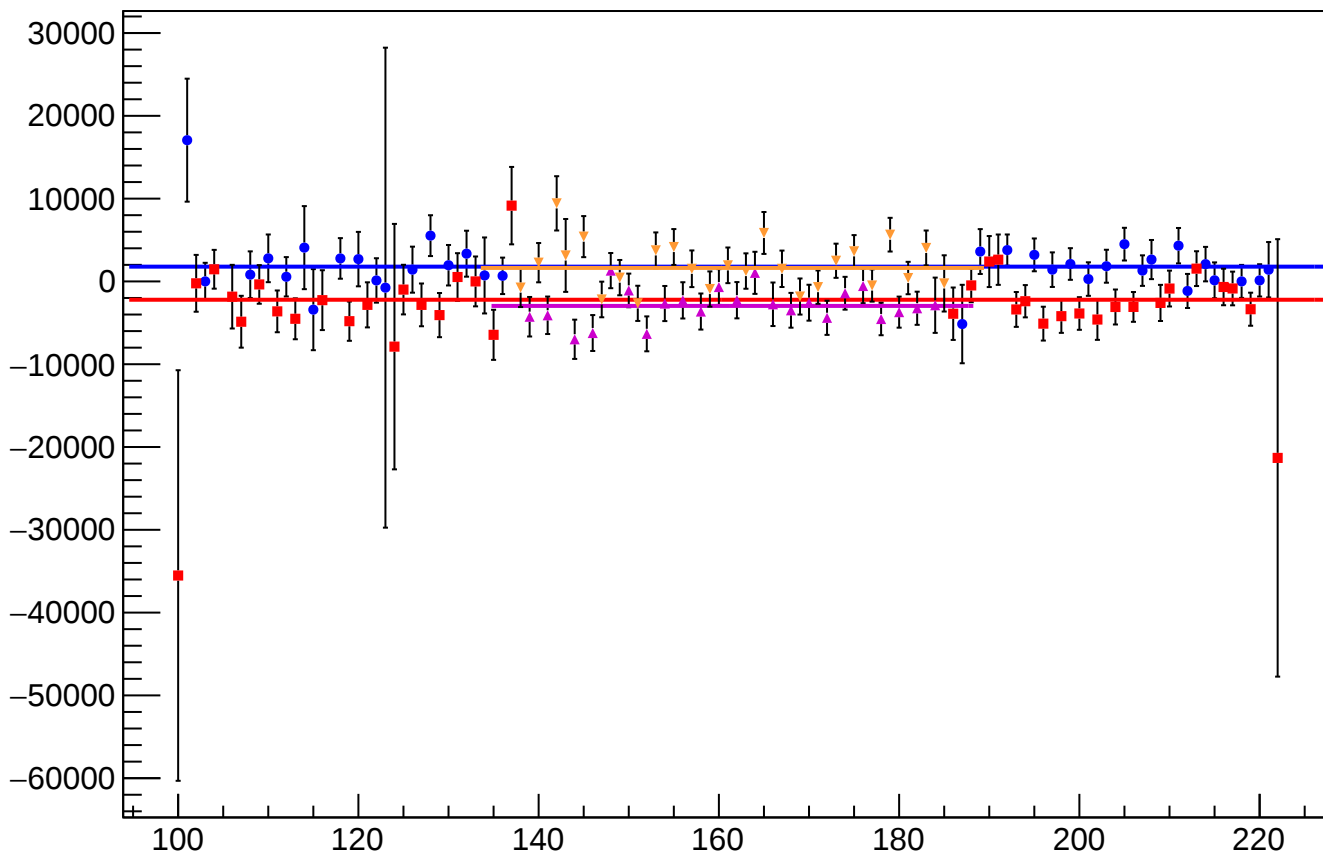
Left In: 4637.777+/-0.799 χ^2/NDF : 1065217.2/22

+ sign 5064.622+/-0.600 χ^2/NDF : 3860247.8/59

All: 4937.016+/-0.418 χ^2/NDF : 10796962.0/100

- sign 4816.321+/-0.584 χ^2/NDF : 6848722.0/60

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1784.280 $\pm$ 411.177 χ^2 /NDF: 22.8/34

Left Out: 1630.035 $\pm$ 447.063 χ^2 /NDF: 35.4/24

Right Out: -2213.476 $\pm$ 409.587 χ^2 /NDF: 35.1/37

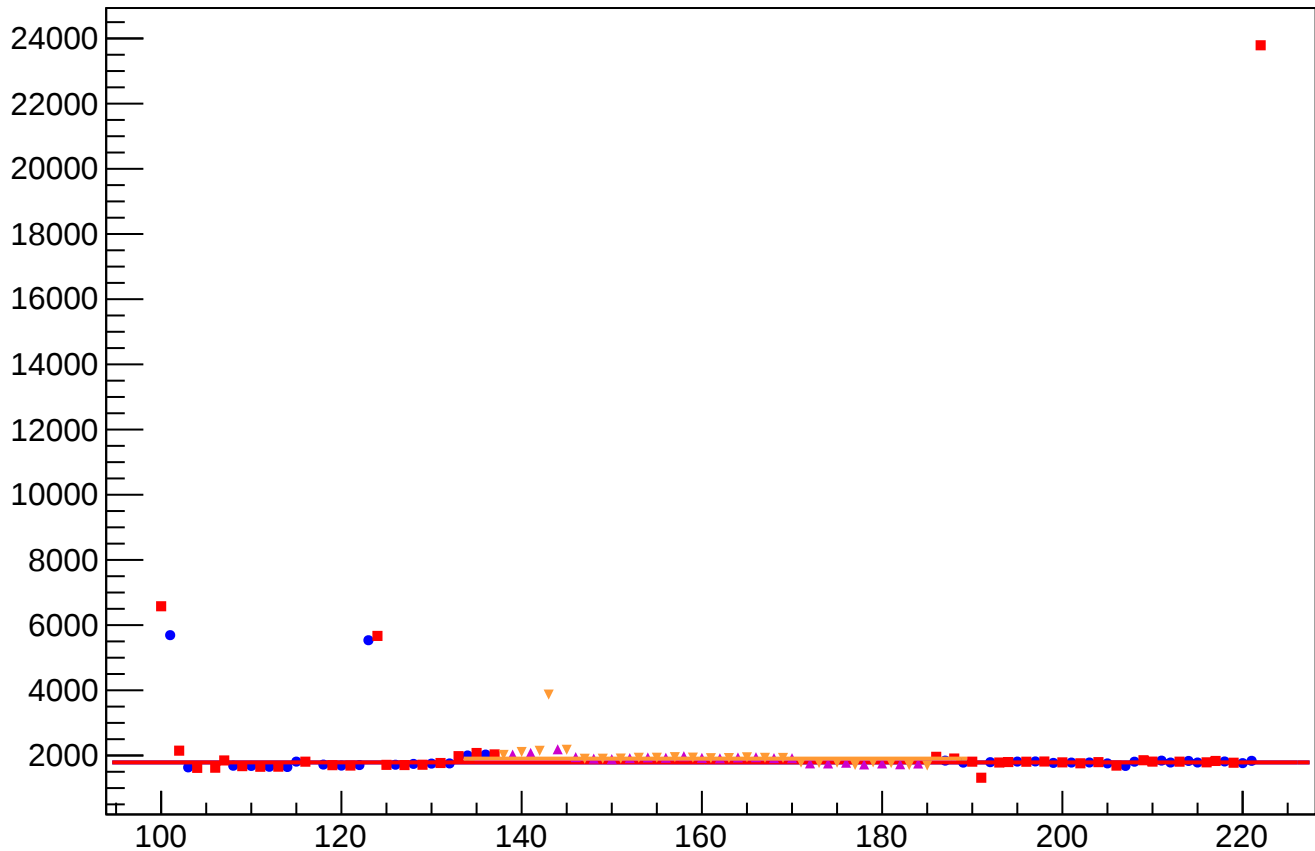
Left In: -2958.620 $\pm$ 453.688 χ^2 /NDF: 20.4/22

+ sign 1713.596 $\pm$ 302.639 χ^2 /NDF: 58.3/59

All: -407.535 $\pm$ 214.485 χ^2 /NDF: 214.0/120

- sign -2548.080 $\pm$ 304.021 χ^2 /NDF: 57.0/60

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1786.458+/-0.291 χ^2/NDF : 656720.5/34

Left Out: 1903.618+/-0.316 χ^2/NDF : 541575.7/24

Right Out: 1787.613+/-0.289 χ^2/NDF : 1766003.9/37

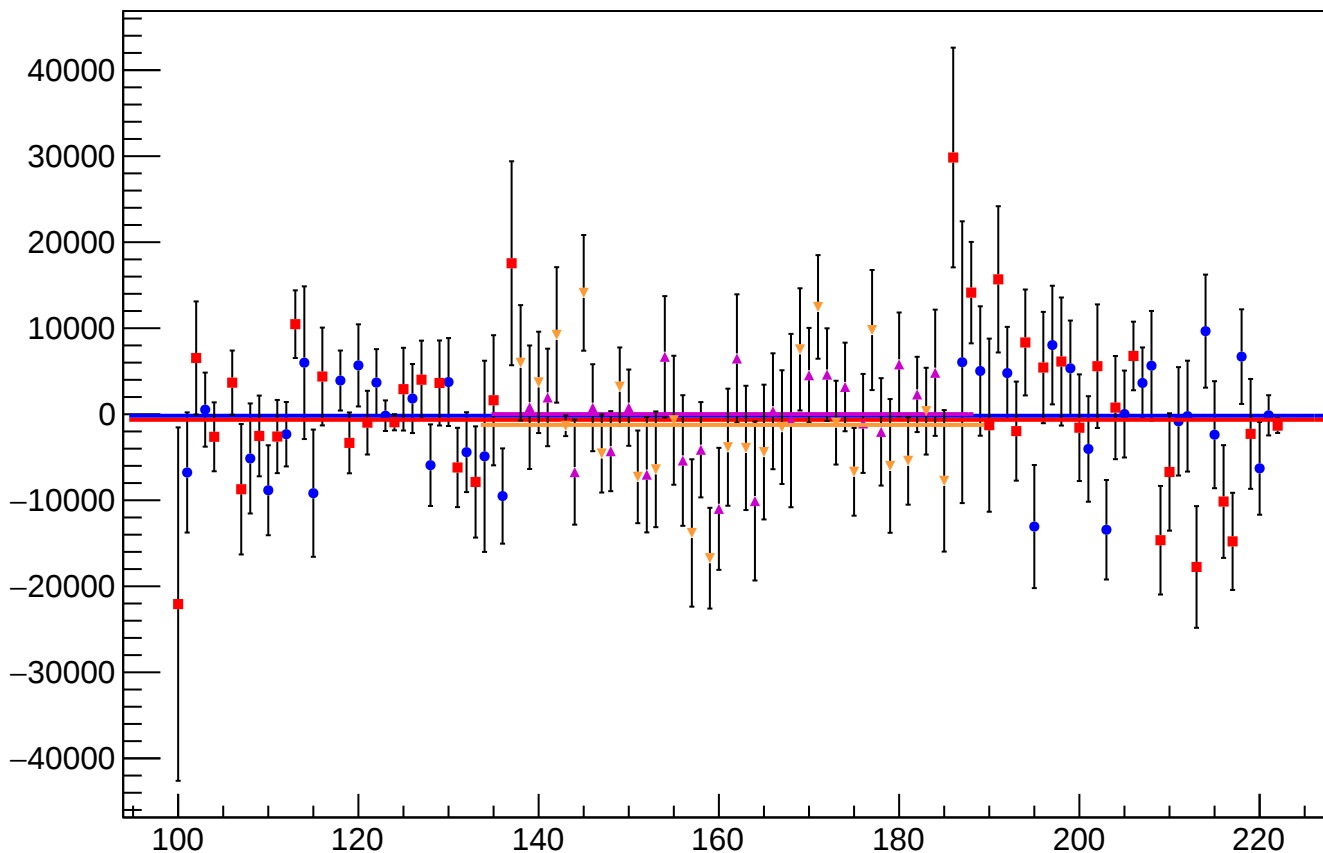
Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

+ sign 1840.148+/-0.214 χ^2/NDF : 1272708.2/59

All: 1836.577+/-0.152 χ^2/NDF : 3220760.0/12

- sign 1832.984+/-0.215 χ^2/NDF : 1947493.2/60

asym_atr1l2_avg_correction_mean vs Slug



Right In: -175.367 ± 782.022 χ^2/NDF : 36.3/34

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: -645.496 ± 518.837 χ^2/NDF : 66.8/37

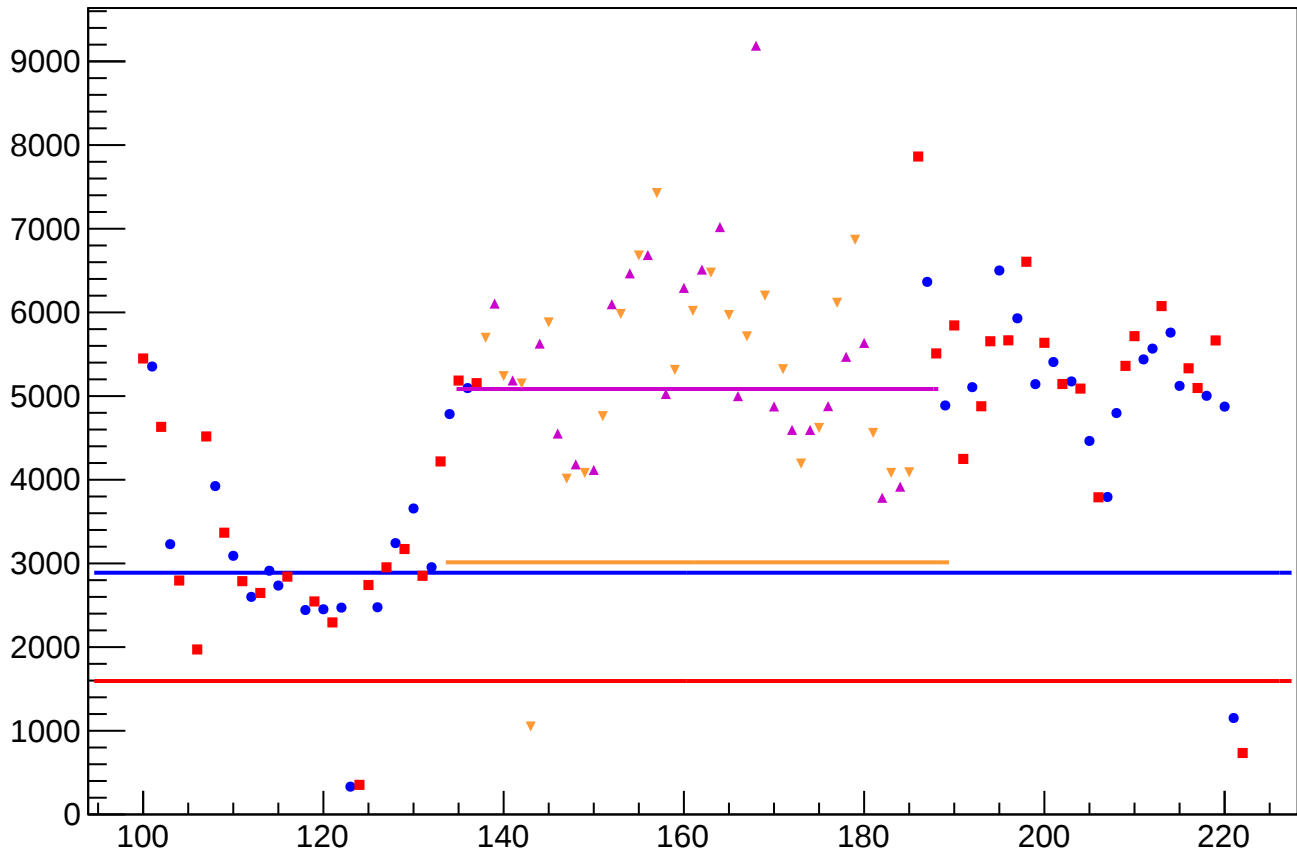
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -653.985 ± 580.157 χ^2/NDF : 71.0/59

All: -590.590 ± 369.289 χ^2/NDF : 151.3/120

- sign -547.408 ± 478.819 χ^2/NDF : 80.3/60

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2888.881+/-0.553 χ^2/NDF : 10892708.6/34

Left Out: 3013.268+/-0.612 χ^2/NDF : 12270753.9/24

Right Out: 1594.988+/-0.367 χ^2/NDF : 21297153.5/37

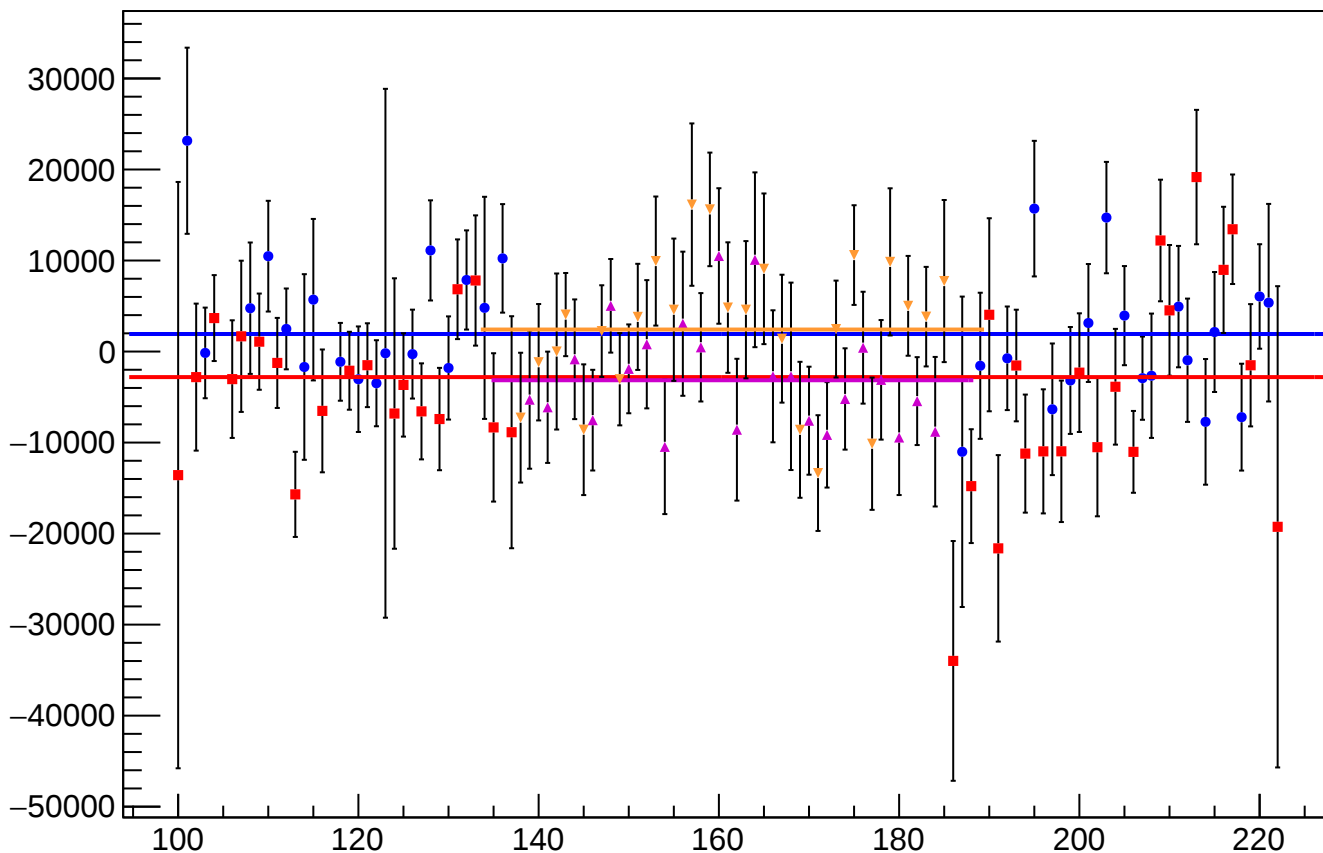
Left In: 5084.645+/-0.879 χ^2/NDF : 1303587.7/22

+ sign 2944.810+/-0.410 χ^2/NDF : 23186213.5/59

All: 2449.758+/-0.261 χ^2/NDF : 61653909.1/1

- sign 2112.548+/-0.339 χ^2/NDF : 36019483.4/60

asym_atr1l2_avg_mean vs Slug



Right In: 1926.841+/-1054.176 χ^2/NDF : 34.1/34

Left Out: 2417.210+/-1286.482 χ^2/NDF : 29.9/24

Right Out: -2807.545+/-1049.242 χ^2/NDF : 65.5/37

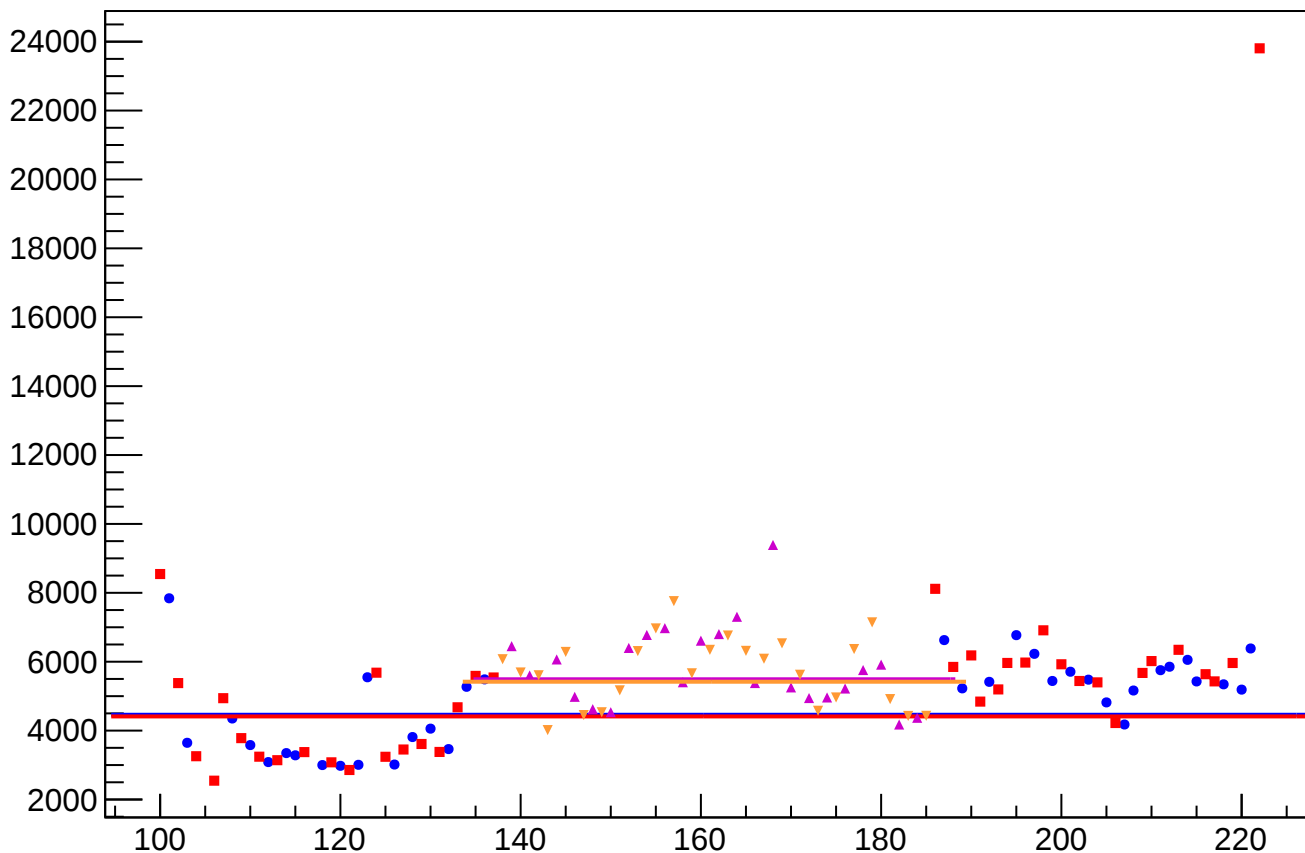
Left In: -3153.449+/-1337.378 χ^2/NDF : 15.5/22

+ sign 2123.832+/-815.390 χ^2/NDF : 64.0/59

All: -376.545+/-580.111 χ^2/NDF : 164.1/120

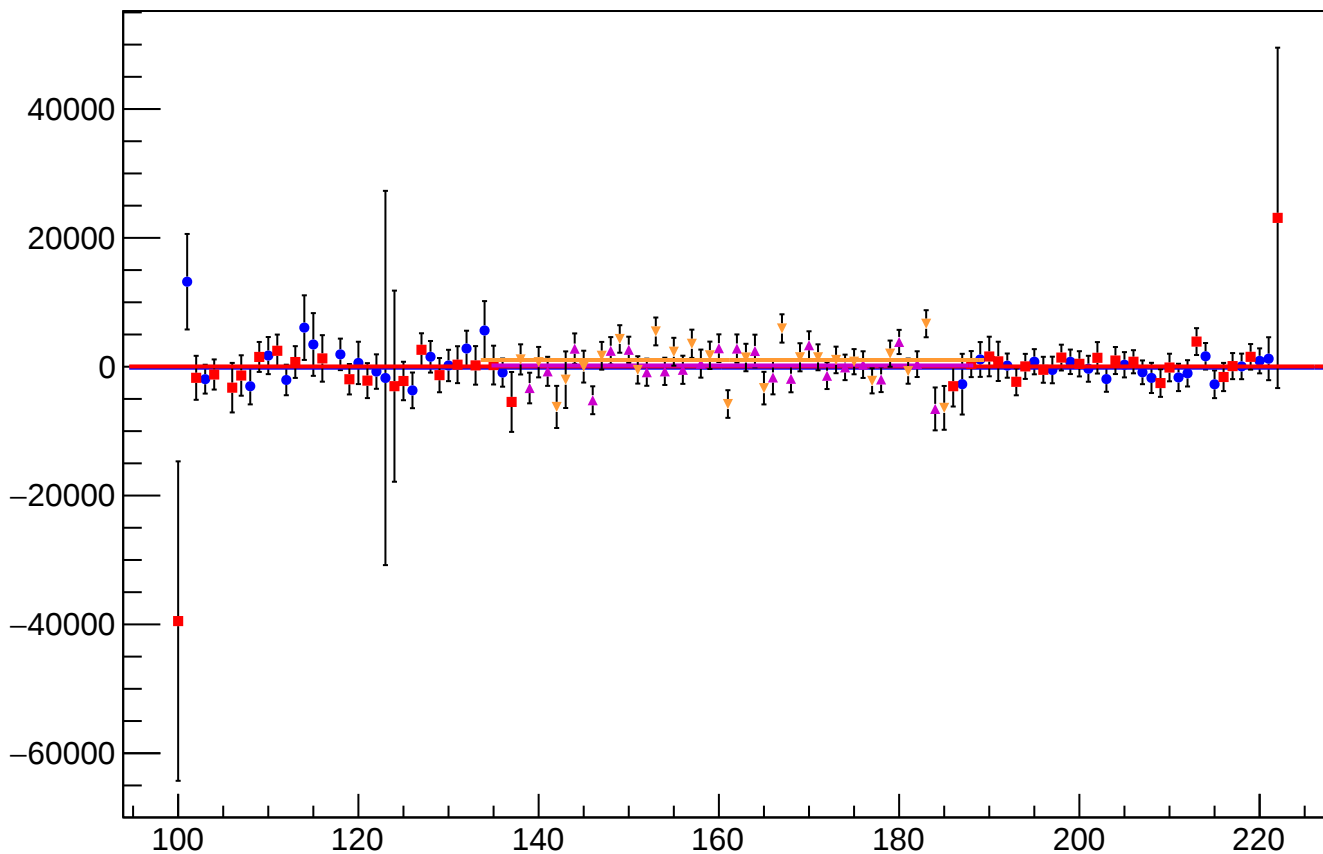
- sign -2939.336+/-825.504 χ^2/NDF : 81.0/60

asym_atr1l2_avg_rms vs Slug



Right In: 4459.729+/-0.745	χ^2/NDF : 2561219.5/34	+ sign 4845.208+/-0.577	χ^2/NDF : 4336904.6/59
Left Out: 5419.305+/-0.910	χ^2/NDF : 1109972.1/24	All: 4831.866+/-0.409	χ^2/NDF : 10357006.2/100
Right Out: 4411.655+/-0.736	χ^2/NDF : 4144984.6/37	- sign 4818.328+/-0.581	χ^2/NDF : 6019022.7/60
Left In: 5489.885+/-0.946	χ^2/NDF : 1064353.3/22		

reg_asym_atr1l2_dd_mean vs Slug



Right In: -153.554+/-408.969 χ^2/NDF : 19.7/34

Left Out: 1041.262+/-446.249 χ^2/NDF : 48.6/24

Right Out: 40.890+/-407.362 χ^2/NDF : 20.8/37

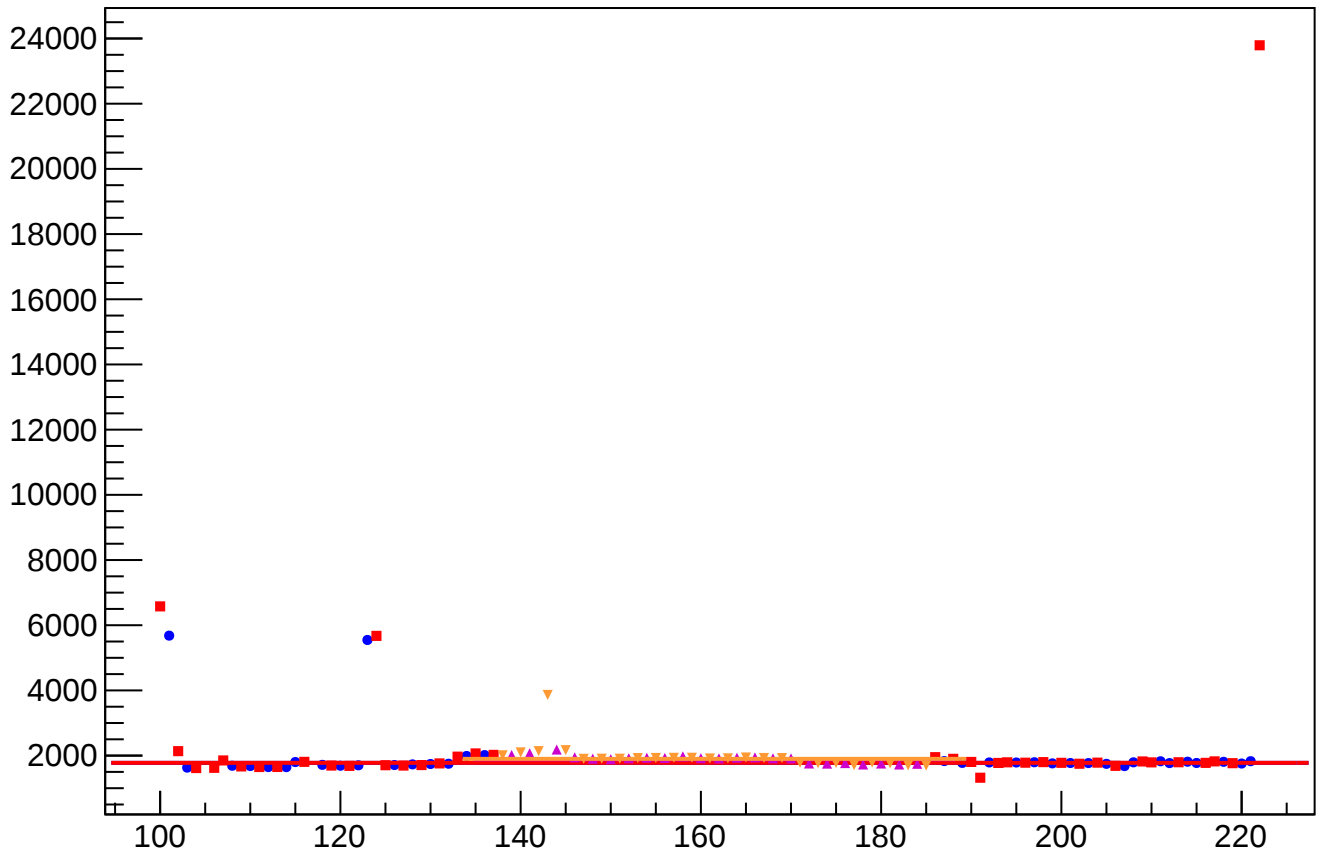
Left In: 191.966+/-453.055 χ^2/NDF : 30.0/22

+ sign 391.869+/-301.504 χ^2/NDF : 72.2/59

All: 250.812+/-213.694 χ^2/NDF : 123.5/120

- sign 108.428+/-302.919 χ^2/NDF : 50.9/60

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.992 ± 0.289 χ^2/NDF : 653066.8/34

Left Out: 1900.295 ± 0.316 χ^2/NDF : 537892.5/24

Right Out: 1778.124 ± 0.287 χ^2/NDF : 1761755.0/37

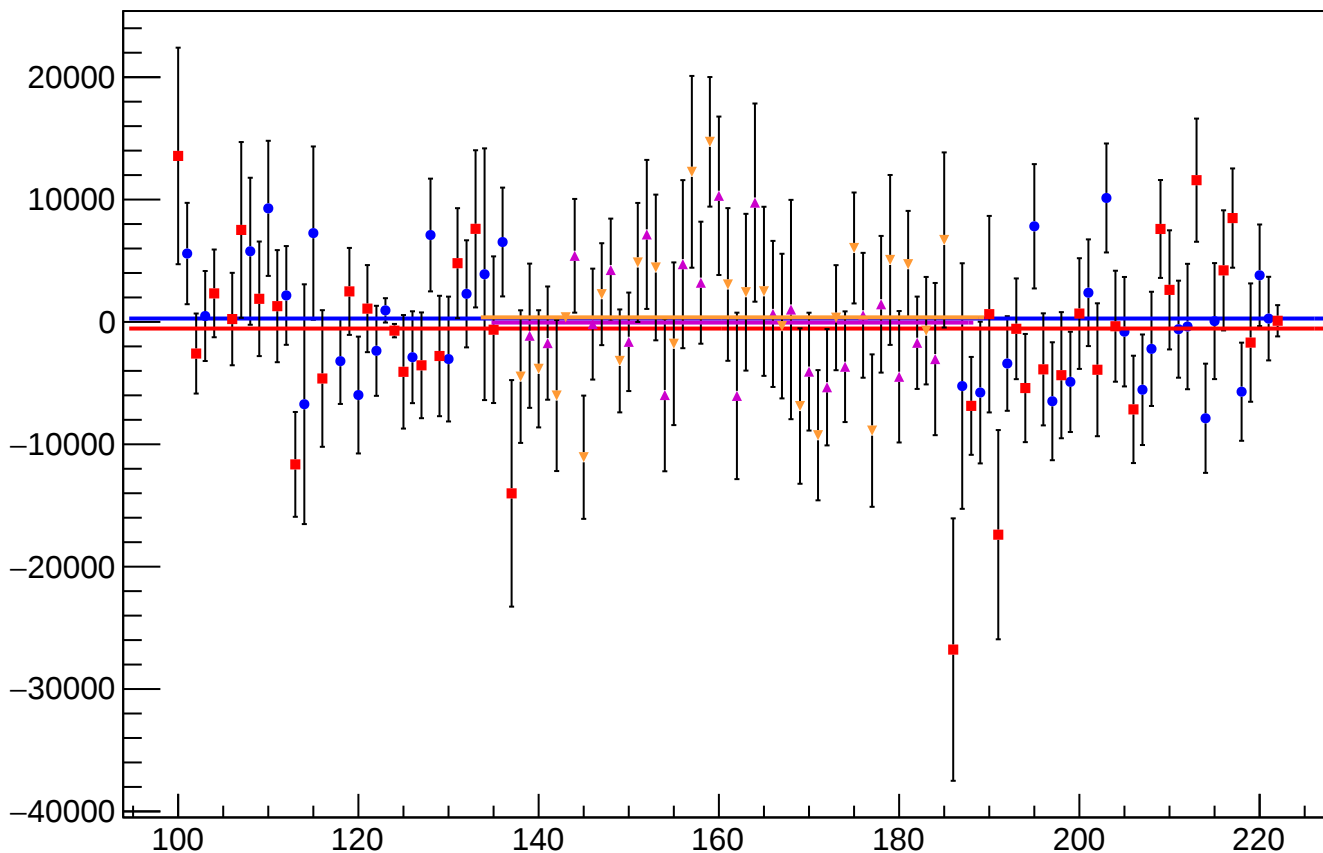
Left In: 1886.378 ± 0.320 χ^2/NDF : 123520.6/22

+ sign 1833.278 ± 0.213 χ^2/NDF : 1273949.9/59

All: 1829.844 ± 0.151 χ^2/NDF : 3223023.7/12

- sign 1826.387 ± 0.214 χ^2/NDF : 1948553.2/60

asym_atr1l2_dd_correction_mean vs Slug



Right In: 278.168 $\pm$ 613.084 χ^2 /NDF: 37.7/34

Left Out: 373.277 $\pm$ 382.071 χ^2 /NDF:30.8/24

Right Out: -541.076 $\pm$ 423.523 χ^2 /NDF: 54.0/37

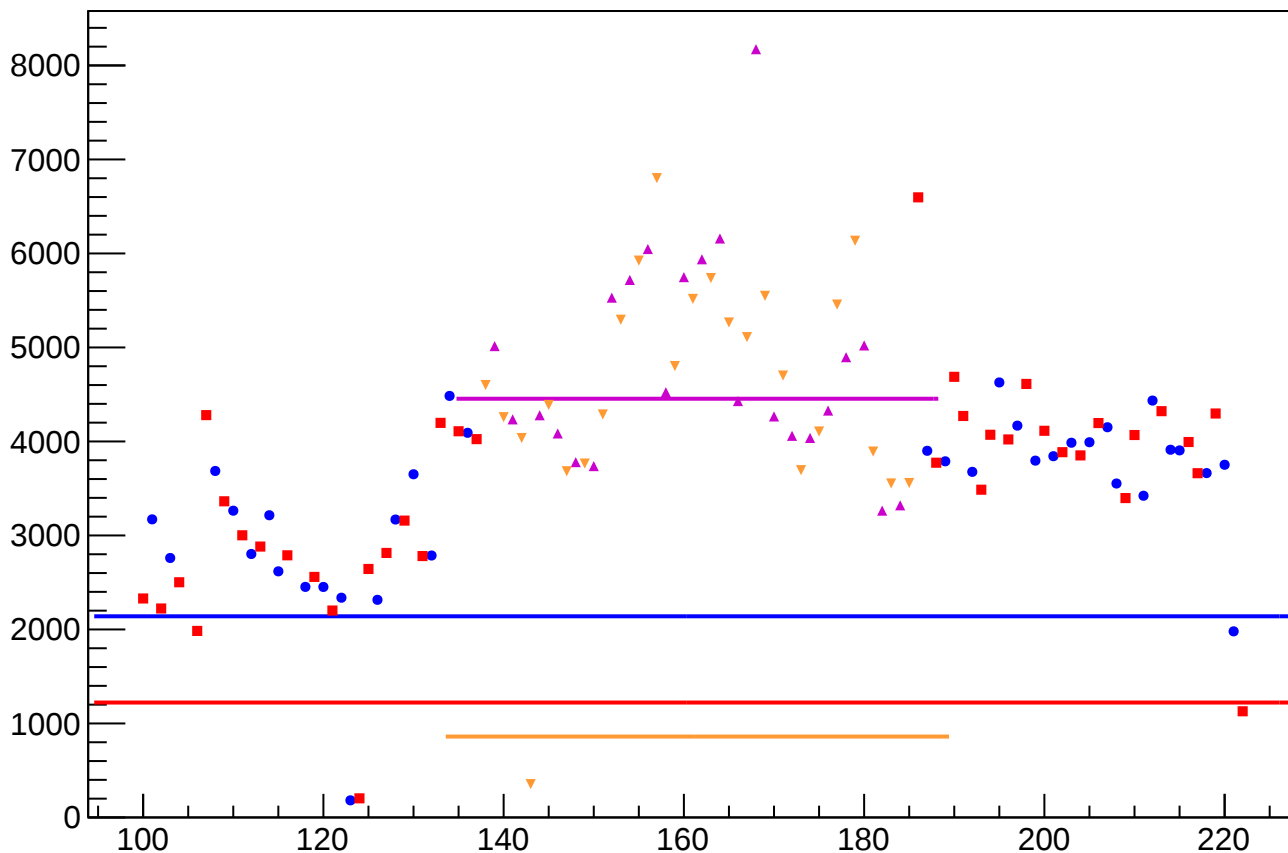
Left In: -53.099 $\pm$ 1089.888 χ^2 /NDF:14.5/22

+ sign 346.672 $\pm$ 324.259 χ^2 /NDF: 68.5/59

All: 14.812 $\pm$ 250.567 χ^2 /NDF: 139.8/120

- sign -477.056 $\pm$ 394.765 χ^2 /NDF: 68.7/60

asym_atr1l2_dd_correction_rms vs Slug



Right In: 2139.947 $\pm$ 0.434 χ^2 /NDF: 14135541.6/34

Left Out: 860.545 $\pm$ 0.270 χ^2 /NDF:26340106.5/24

Right Out: 1222.513 $\pm$ 0.299 χ^2 /NDF: 23622145.0/37

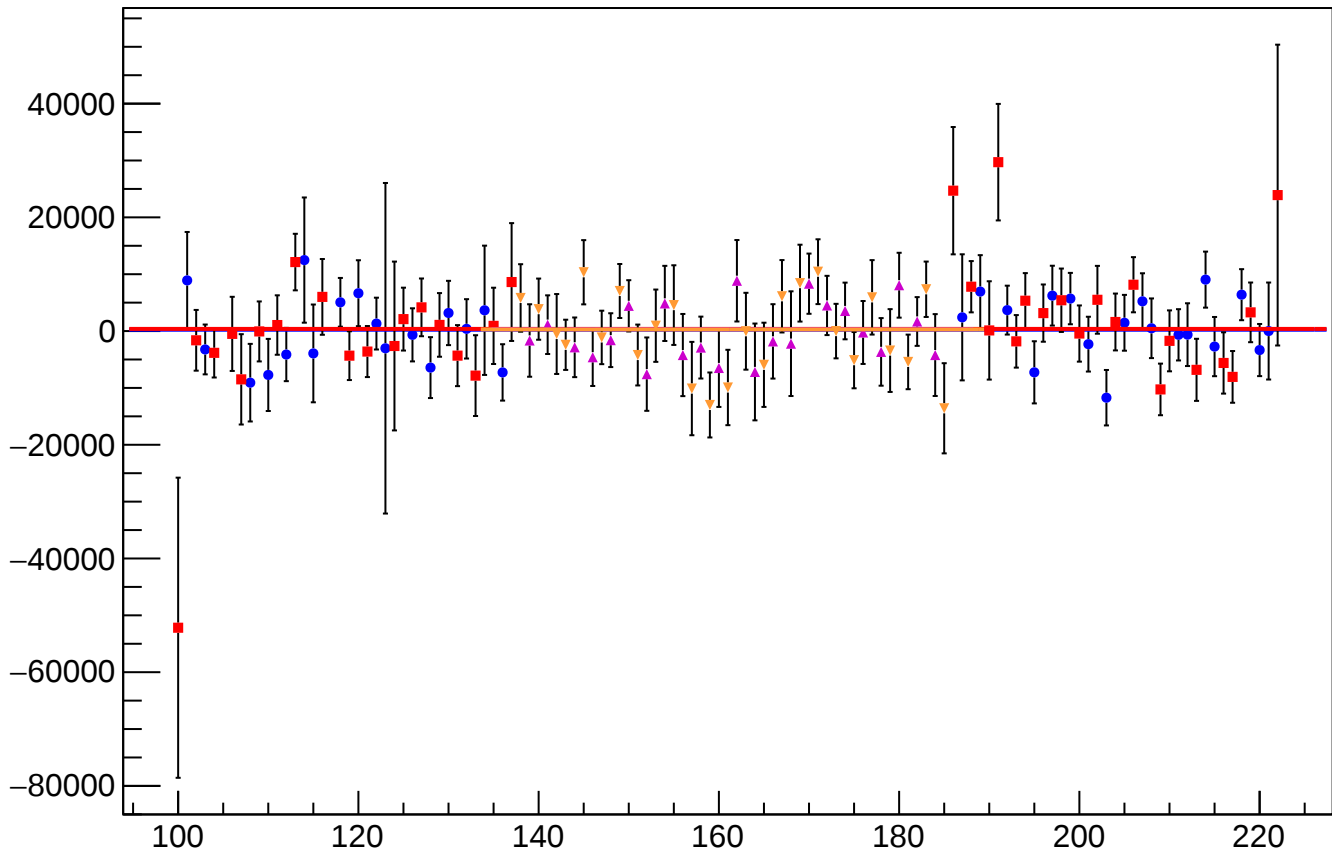
Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF:1349758.1/22

+ sign 1218.435 $\pm$ 0.229 χ^2 /NDF: 46748969.5/59

All: 1390.899 $\pm$ 0.177 χ^2 /NDF: 88404464.8/1

- sign 1646.517 $\pm$ 0.279 χ^2 /NDF: 40251159.3/60

asym_atr1l2_dd_mean vs Slug



Right In: 237.748 $\pm$ 916.616 χ^2 /NDF: 34.1/34

Left Out: 288.508 $\pm$ 1155.419 χ^2 /NDF:32.4/24

Right Out: 378.844 $\pm$ 915.797 χ^2 /NDF: 52.6/37

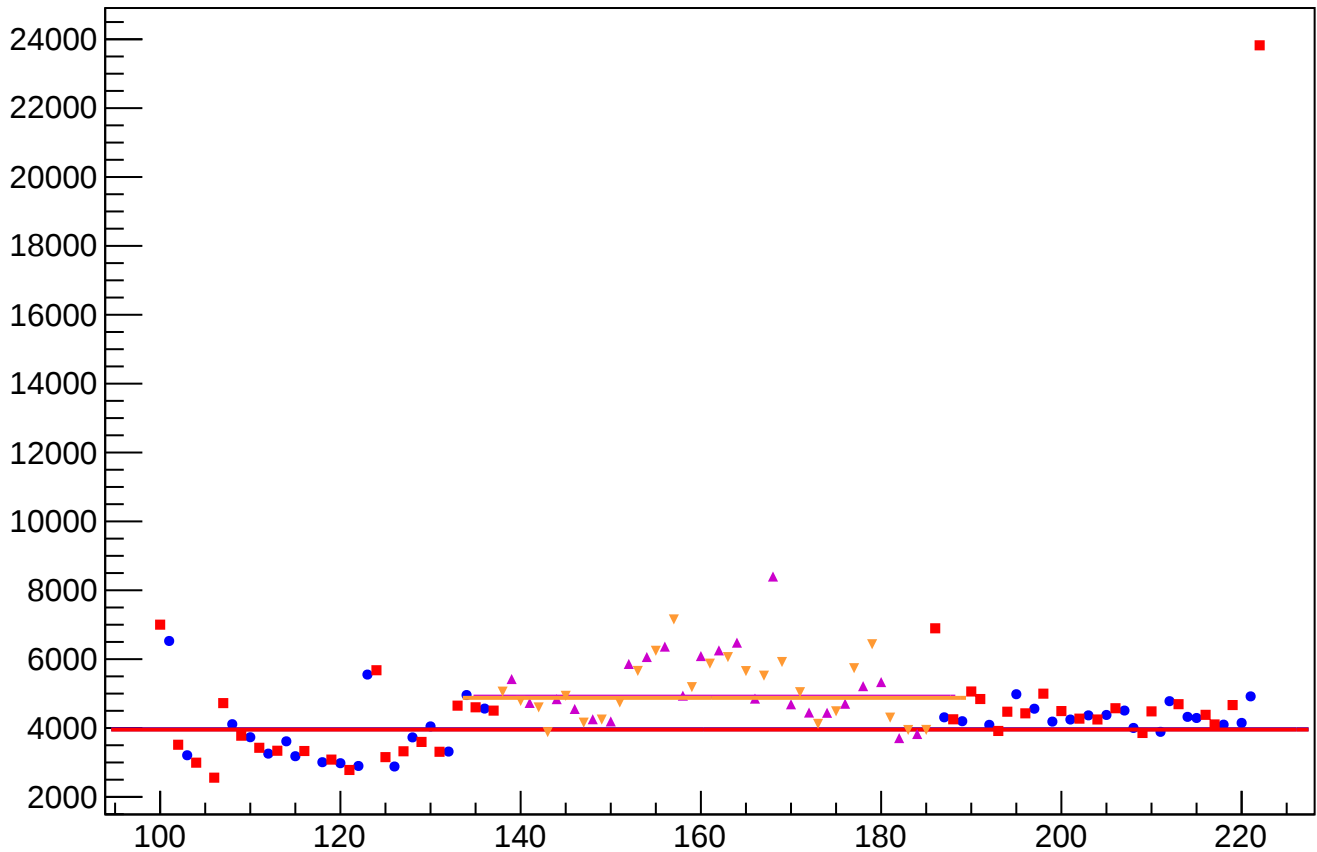
Left In: 332.488 $\pm$ 1196.011 χ^2 /NDF:14.7/22

+ sign 257.355 $\pm$ 718.091 χ^2 /NDF: 66.5/59

All: 308.881 $\pm$ 510.929 χ^2 /NDF: 133.9/120

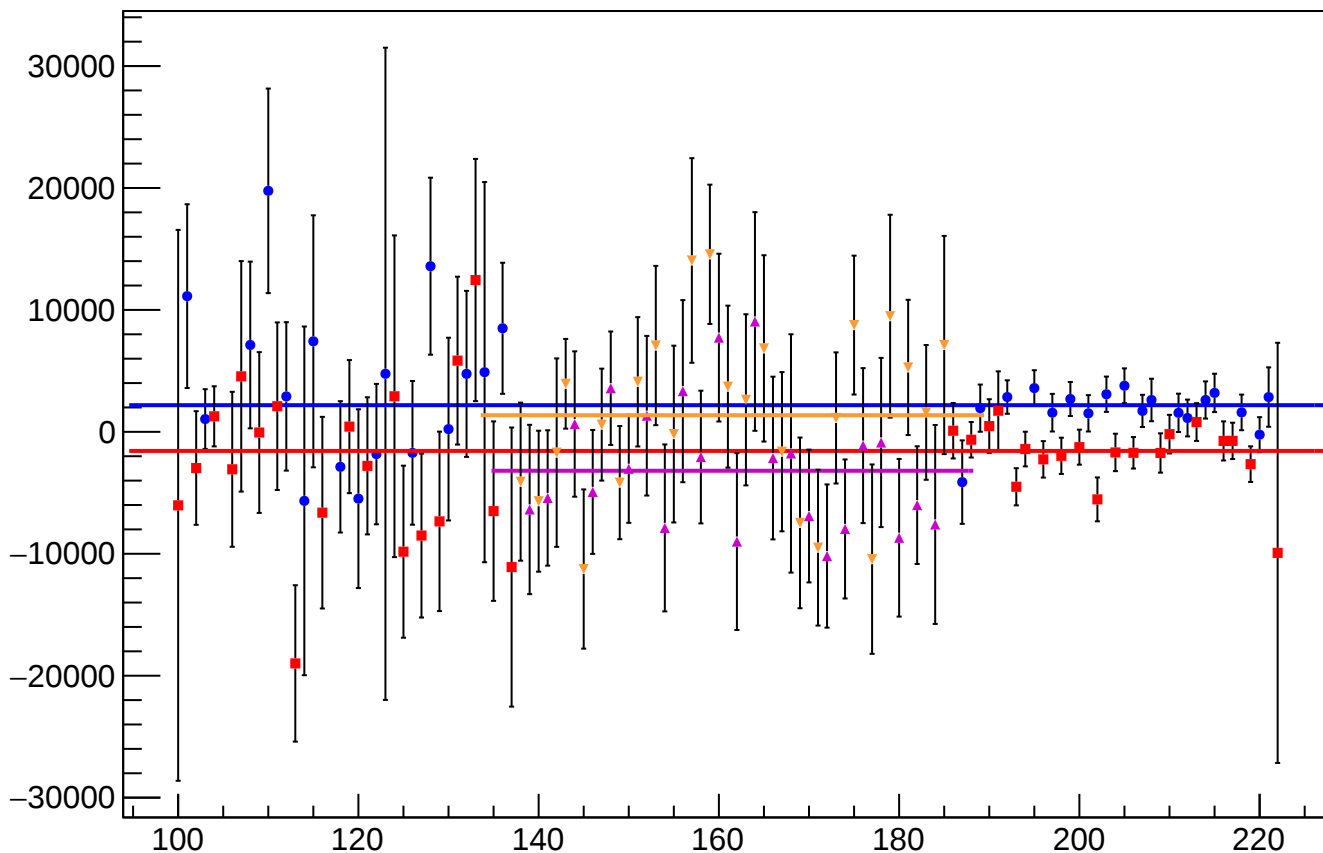
- sign 361.711 $\pm$ 727.118 χ^2 /NDF: 67.3/60

asym_atr1l2_dd_rms vs Slug



Right In: 3964.954+/-0.648 χ^2/NDF : 1026483.3/34 + sign 4317.072+/-0.508 χ^2/NDF : 2763117.7/59
 Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24 All: 4311.511+/-0.361 χ^2/NDF : 7003802.4/12
 Right Out: 3955.123+/-0.644 χ^2/NDF : 2387320.8/37 - sign 4305.854+/-0.512 χ^2/NDF : 4240442.7/60
 Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2186.859 $\pm$ 356.346 χ^2 /NDF: 25.2/34

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -1563.744 $\pm$ 361.675 χ^2 /NDF: 34.0/37

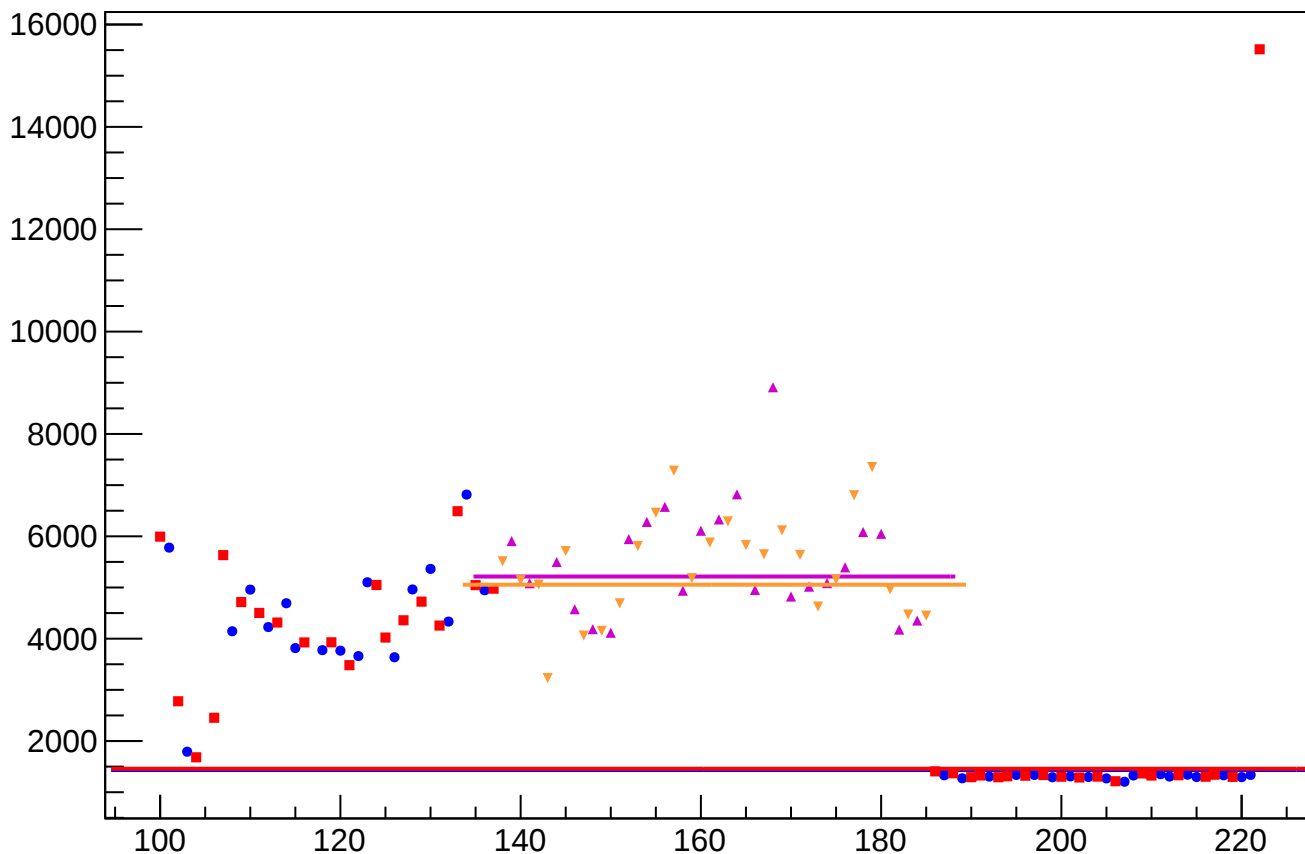
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 2120.900 $\pm$ 341.746 χ^2 /NDF: 53.6/59

All: 251.203 $\pm$ 243.779 χ^2 /NDF: 164.0/120

- sign -1685.825 $\pm$ 347.845 χ^2 /NDF: 49.5/60

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1433.575+/-0.252 χ^2/NDF : 5950790.9/34

Left Out: 5054.711+/-0.853 χ^2/NDF : 1437224.7/24

Right Out: 1458.630+/-0.256 χ^2/NDF : 7197678.6/37

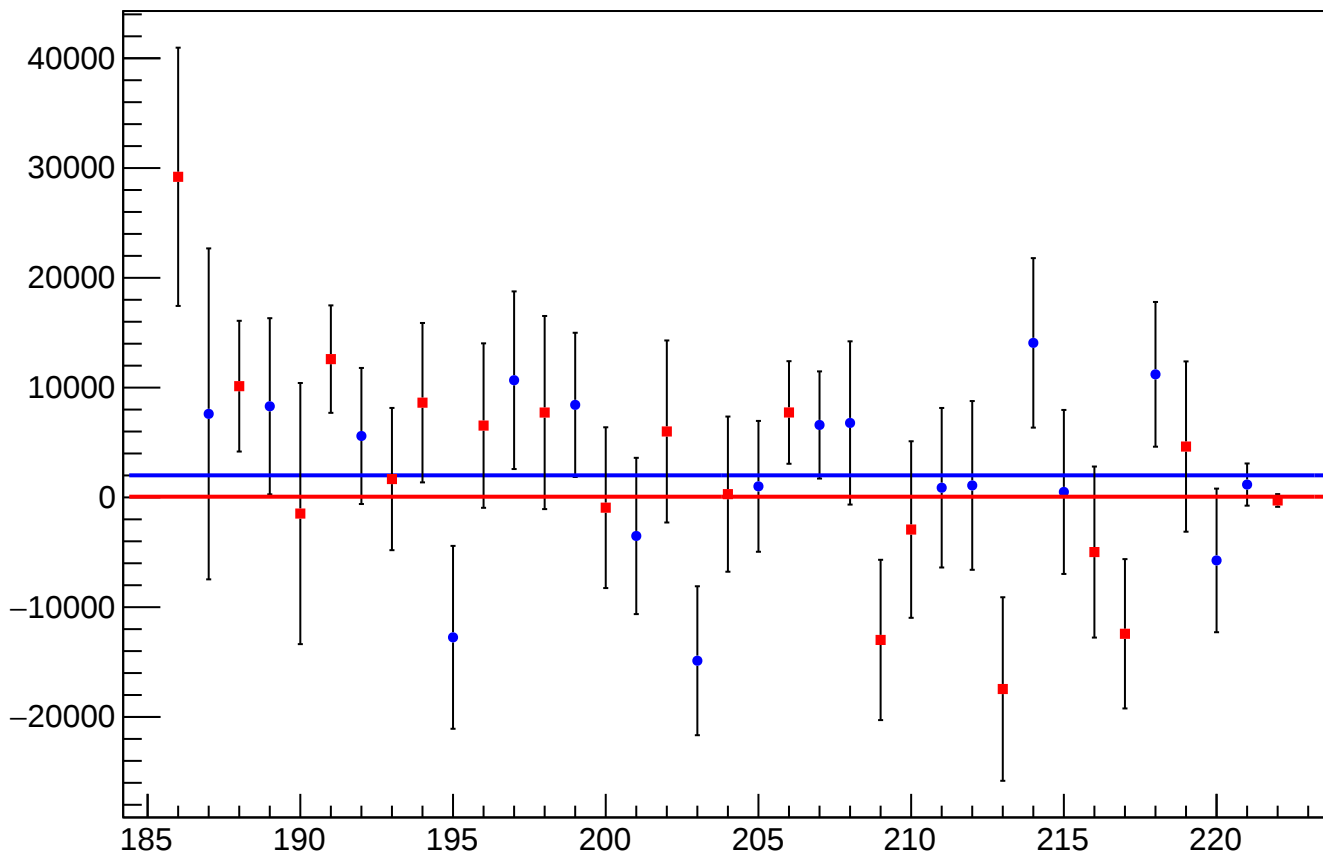
Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

+ sign 1724.221+/-0.242 χ^2/NDF : 23964624.6/59

All: 1731.984+/-0.172 χ^2/NDF : 48394617.8/100

- sign 1740.018+/-0.246 χ^2/NDF : 24427892.8/60

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 2009.617 $\pm$ 1273.711 χ^2 /NDF: 20.5/17

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

Right Out: 63.363 $\pm$ 546.332 χ^2 /NDF: 34.0/18

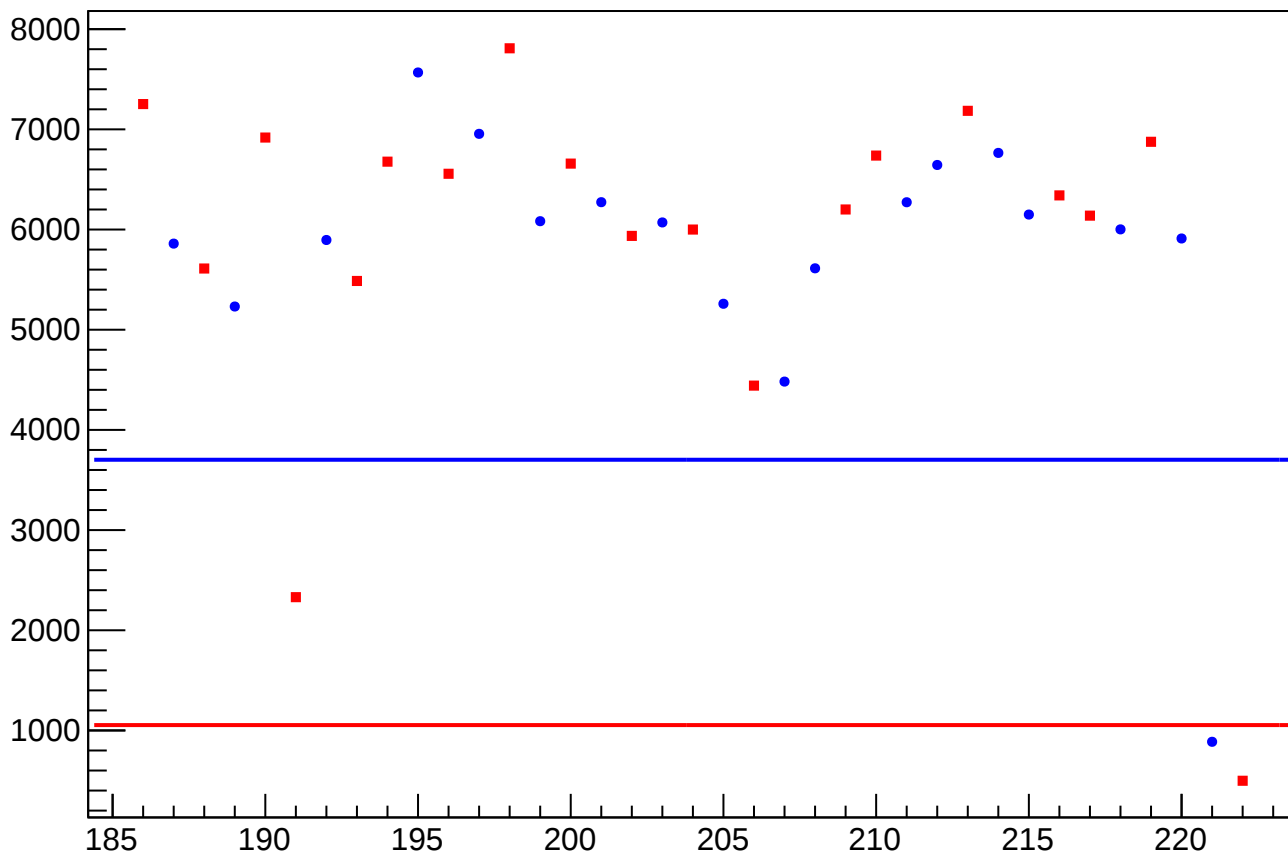
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

All: 365.794 $\pm$ 502.093 χ^2 /NDF: 56.5/36

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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 3702.067+/-0.901 χ^2/NDF : 8044156.9/17

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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

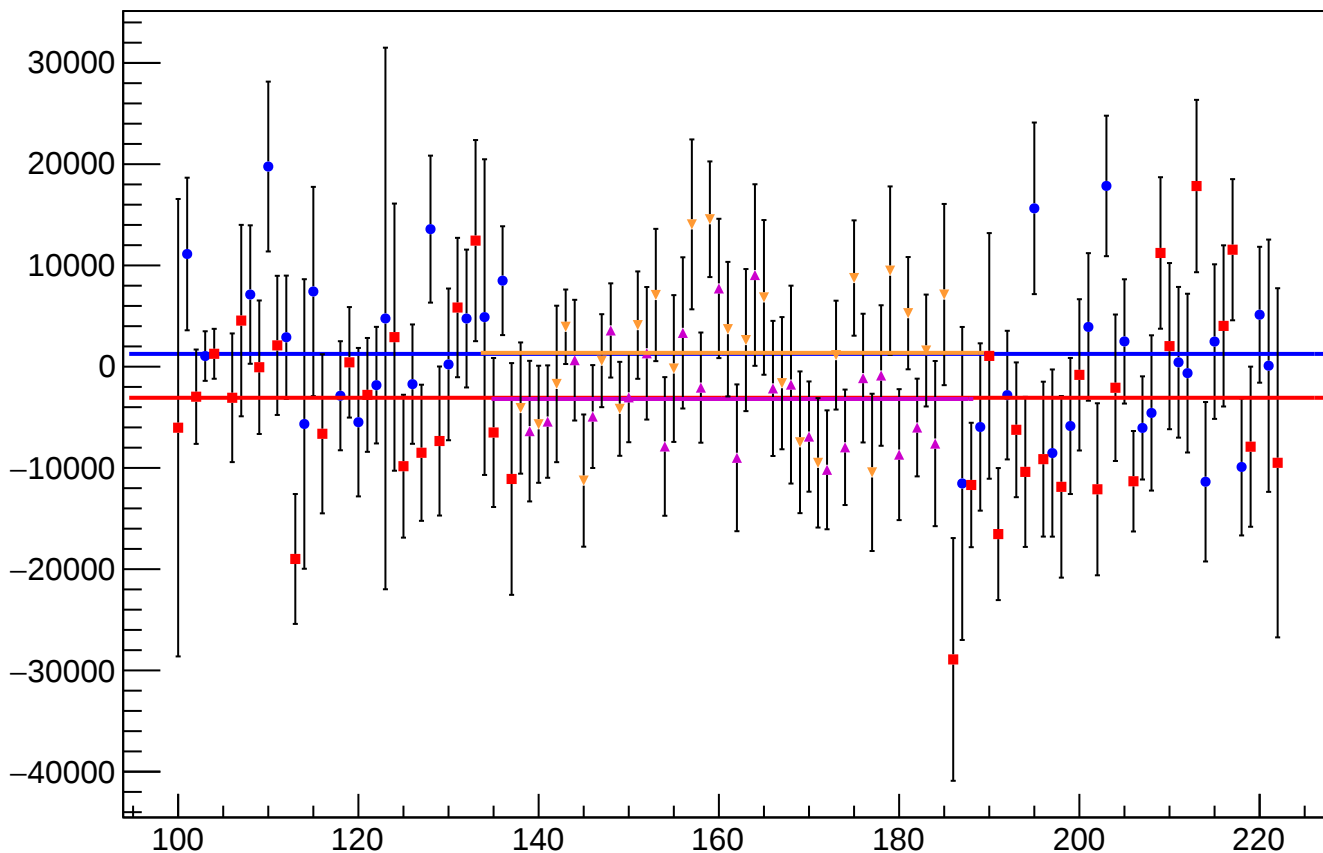
Right Out: 1053.590+/-0.386 χ^2/NDF : 18724085.6/18

All: 1465.140+/-0.355 χ^2/NDF : 34071834.1/3

- 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: 1261.986 $\pm$ 1113.942 χ^2 /NDF: 36.5/34

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -3071.994 $\pm$ 1084.706 χ^2 /NDF: 51.8/37

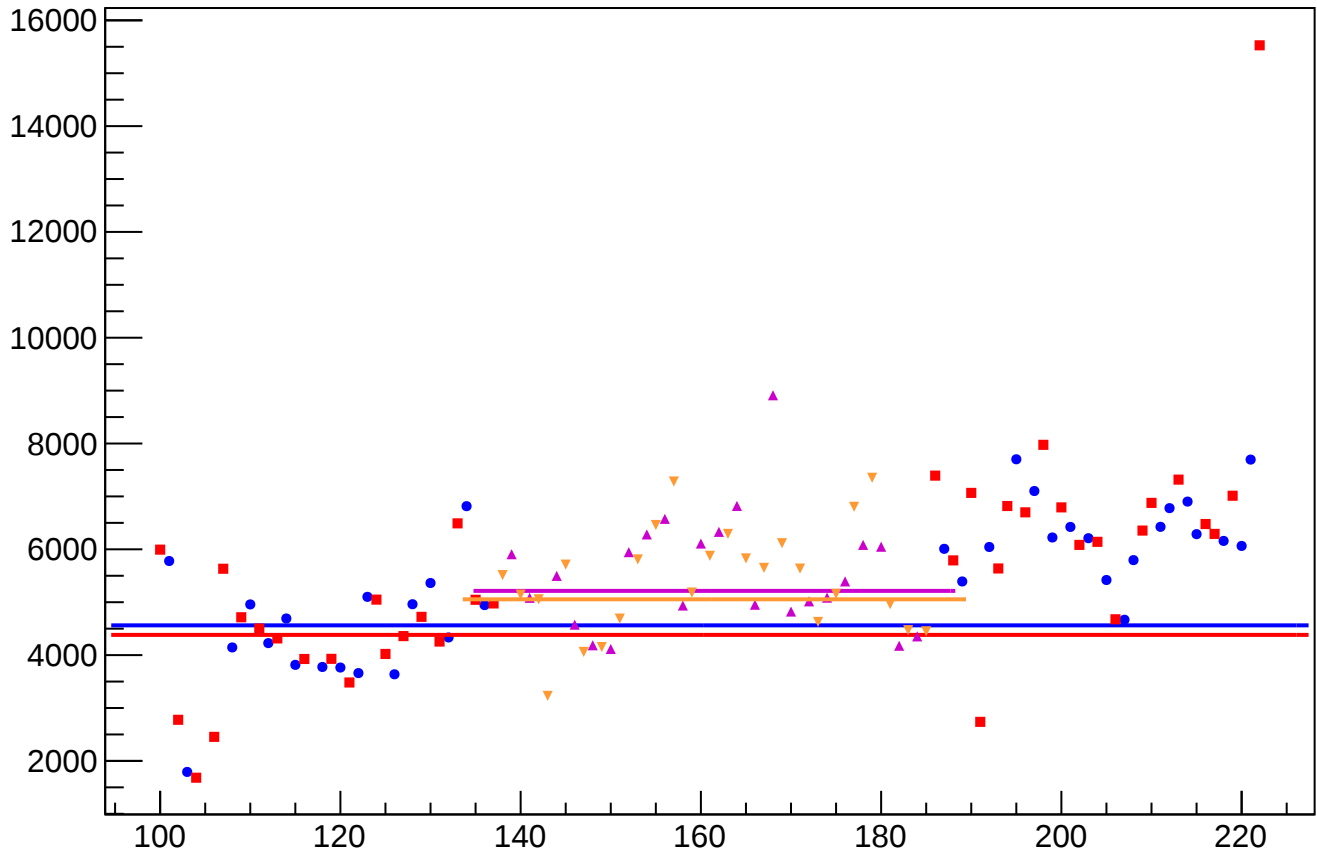
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1309.438 $\pm$ 818.372 χ^2 /NDF: 64.5/59

All: -889.031 $\pm$ 580.941 χ^2 /NDF: 144.9/120

- sign -3122.256 $\pm$ 824.815 χ^2 /NDF: 65.8/60

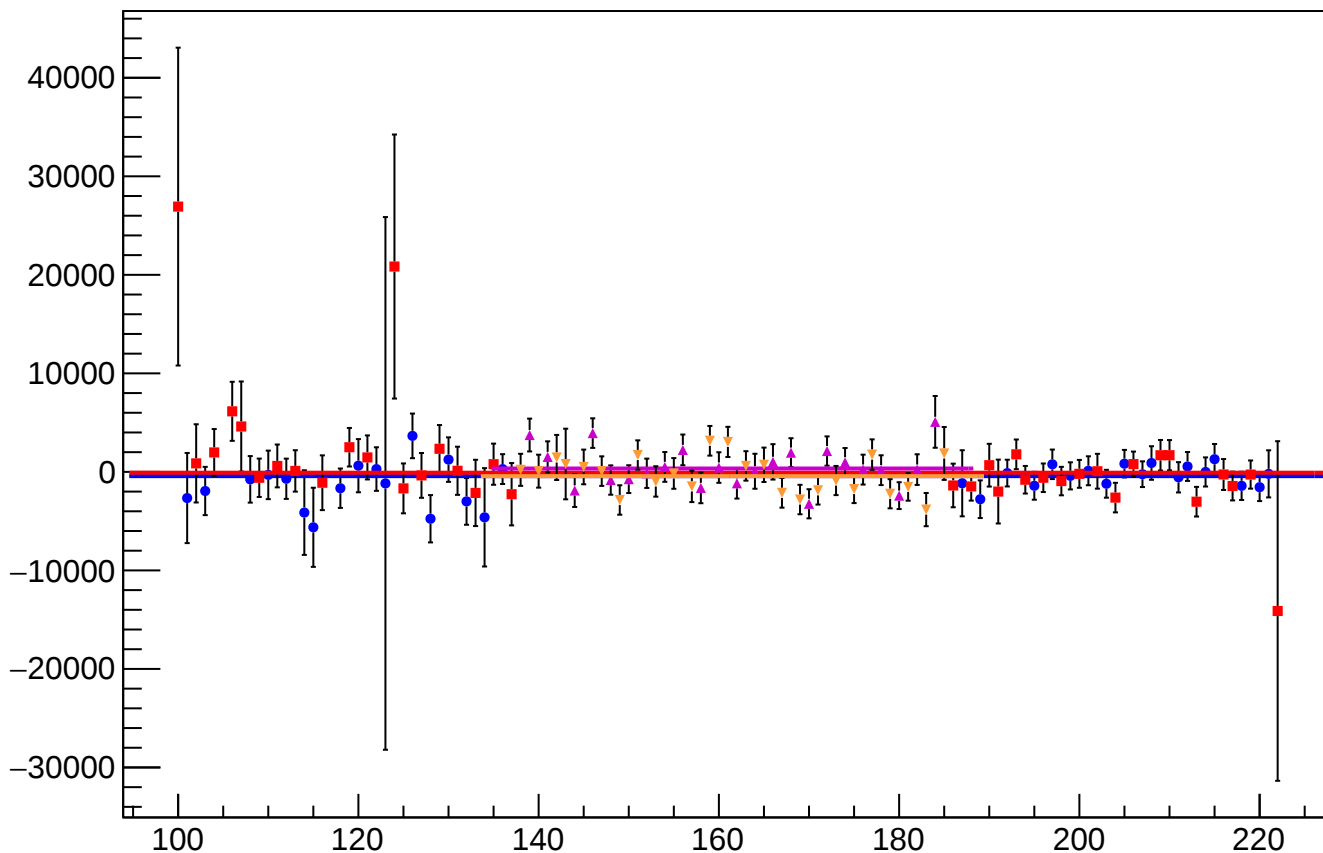
asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4562.590 $\pm$ 0.788 χ^2/NDF : 4859552.3/34
 Left Out: 5054.711 $\pm$ 0.853 χ^2/NDF : 1437224.7/24
 Right Out: 4382.203 $\pm$ 0.763 χ^2/NDF : 6711059.8/37
 Left In: 5214.120 $\pm$ 0.898 χ^2/NDF : 1052501.5/22

+ sign 4789.096 $\pm$ 0.579 χ^2/NDF : 6476444.1/59
 All: 4760.073 $\pm$ 0.410 χ^2/NDF : 14743640.1/100
 - sign 4730.785 $\pm$ 0.581 χ^2/NDF : 8262142.2/60

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -432.085+/-309.453 χ^2/NDF : 20.4/34

Left Out: -431.715+/-320.540 χ^2/NDF : 33.1/24

Right Out: -82.531+/-312.480 χ^2/NDF : 31.8/37

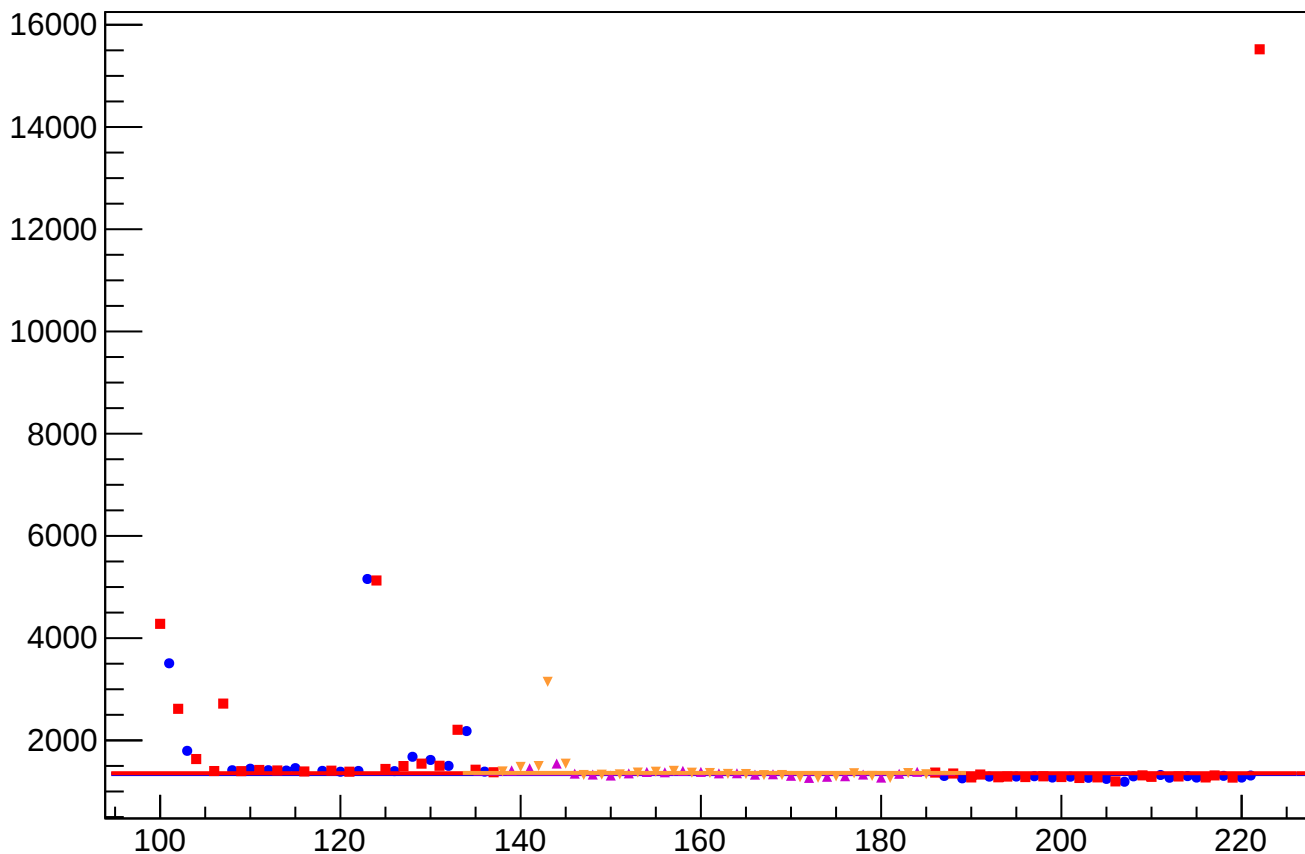
Left In: 343.737+/-324.368 χ^2/NDF : 33.8/22

+ sign -431.907+/-222.633 χ^2/NDF : 53.4/59

All: -157.613+/-158.270 χ^2/NDF : 122.9/120

- sign 122.648+/-225.042 χ^2/NDF : 66.4/60

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1340.448 $\pm$ 0.219 χ^2 /NDF: 788523.7/34

Left Out: 1363.561 $\pm$ 0.227 χ^2 /NDF: 575226.6/24

Right Out: 1357.519 $\pm$ 0.221 χ^2 /NDF: 2240509.6/37

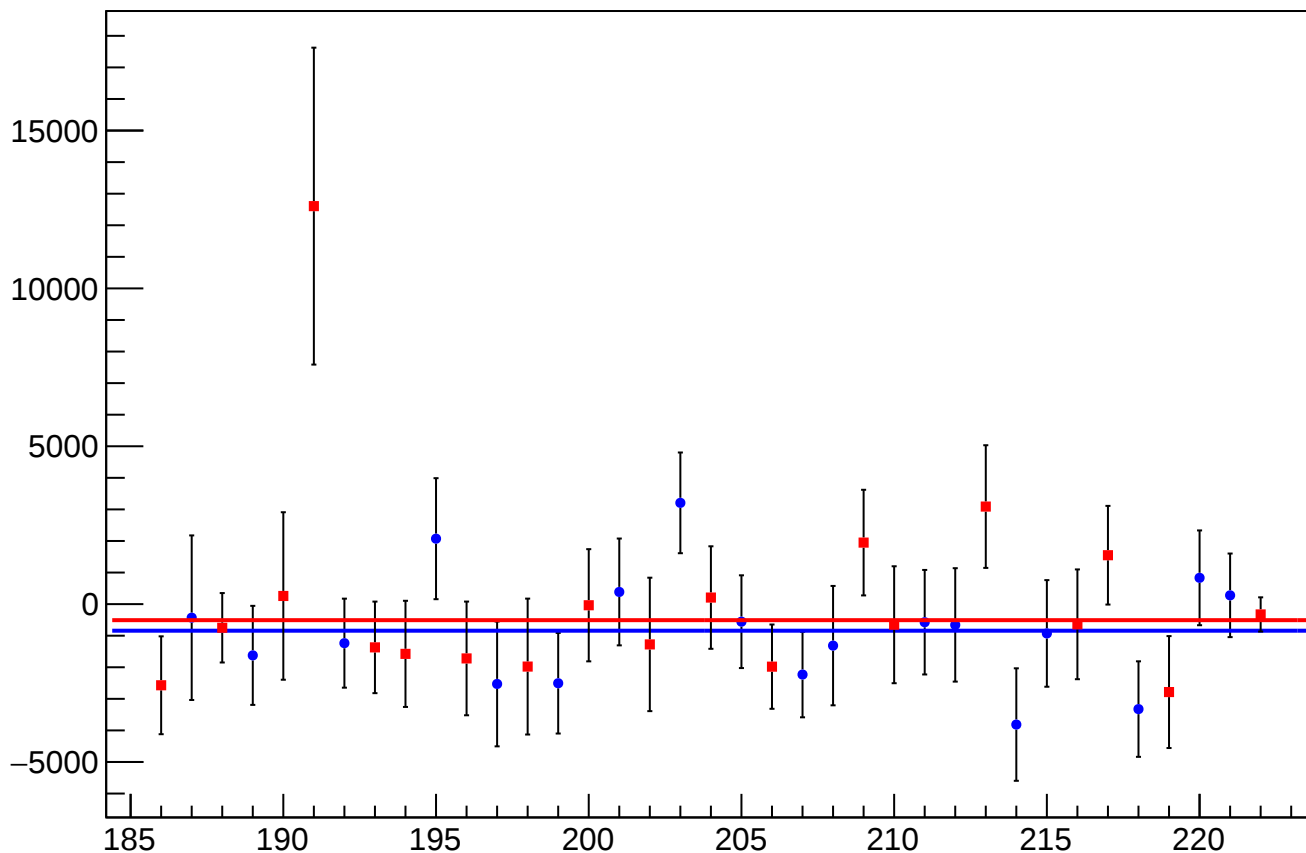
Left In: 1350.909 $\pm$ 0.229 χ^2 /NDF: 67144.5/22

+ sign 1351.598 $\pm$ 0.157 χ^2 /NDF: 1369132.7/59

All: 1352.953 $\pm$ 0.112 χ^2 /NDF: 3677367.4/12

- sign 1354.337 $\pm$ 0.159 χ^2 /NDF: 2308084.9/60

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -841.922 ± 383.433 χ^2/NDF : 20.1/17

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Right Out: -508.274 ± 322.060 χ^2/NDF : 21.1/18

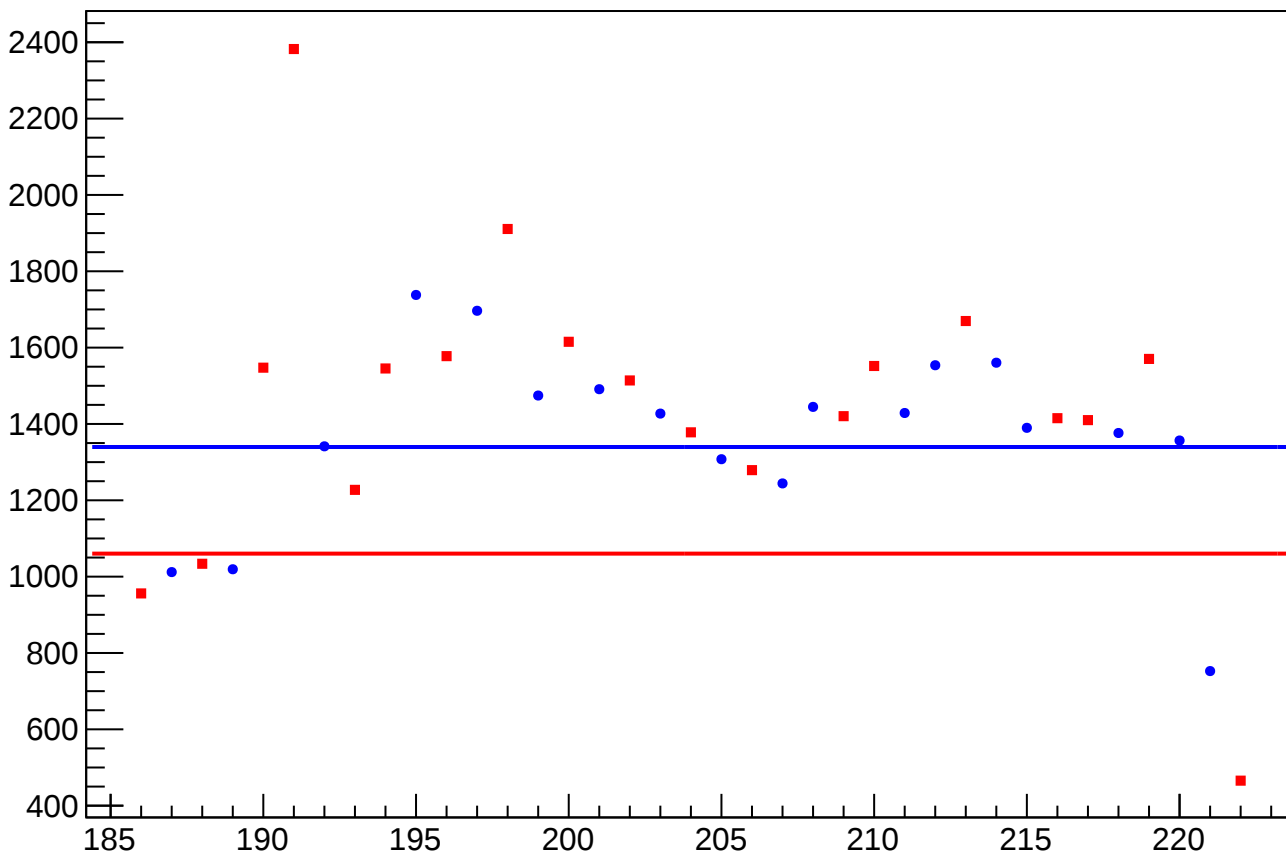
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -646.291 ± 246.611 χ^2/NDF : 41.6/36

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1339.640+/-0.271 χ^2/NDF : 781522.1/17

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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

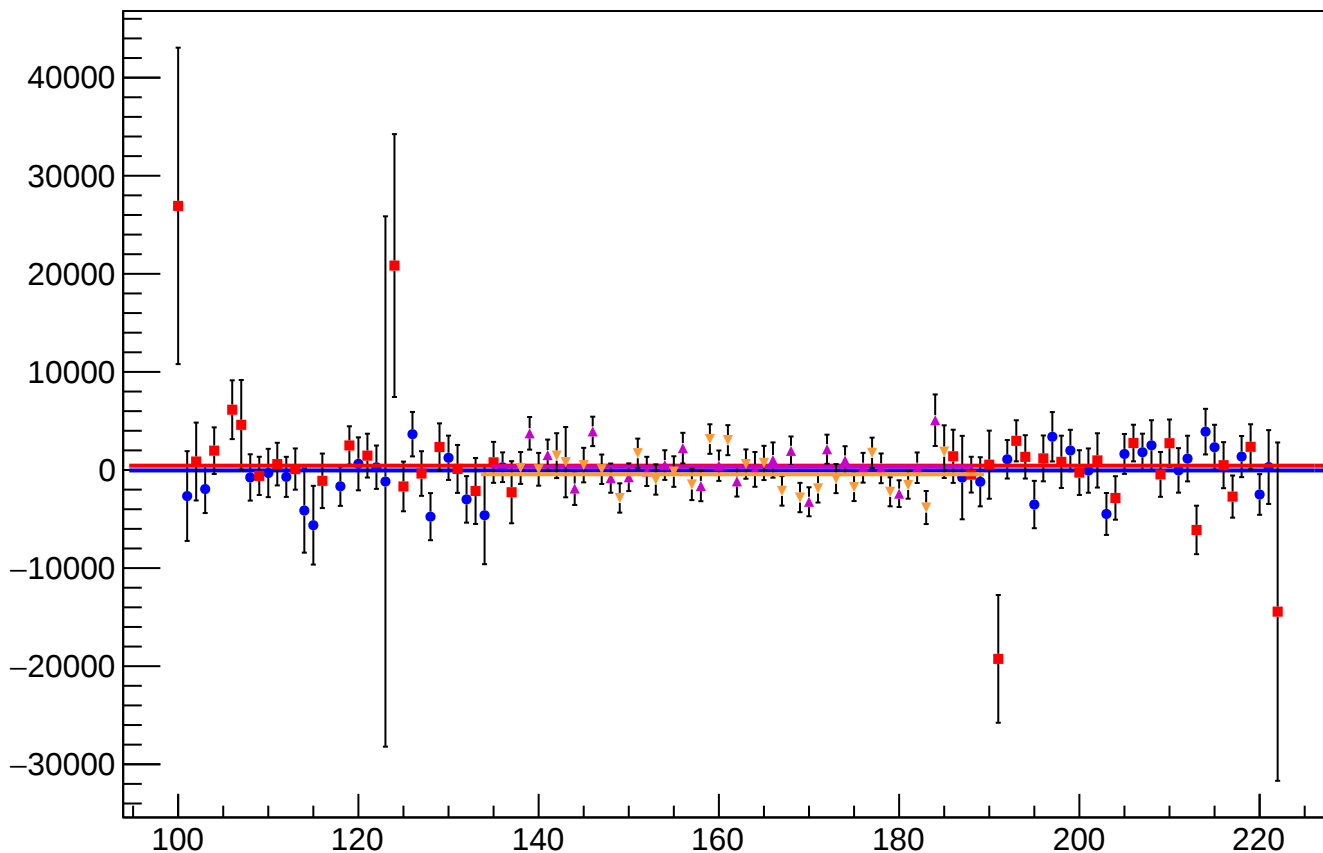
Right Out: 1060.310+/-0.228 χ^2/NDF : 4495481.4/18

All: 1175.858+/-0.174 χ^2/NDF : 5899356.4/30

- 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_dd_mean vs Slug



Right In: -44.003 ± 403.932 χ^2/NDF : 32.5/34

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 442.779 ± 406.938 χ^2/NDF : 41.5/37

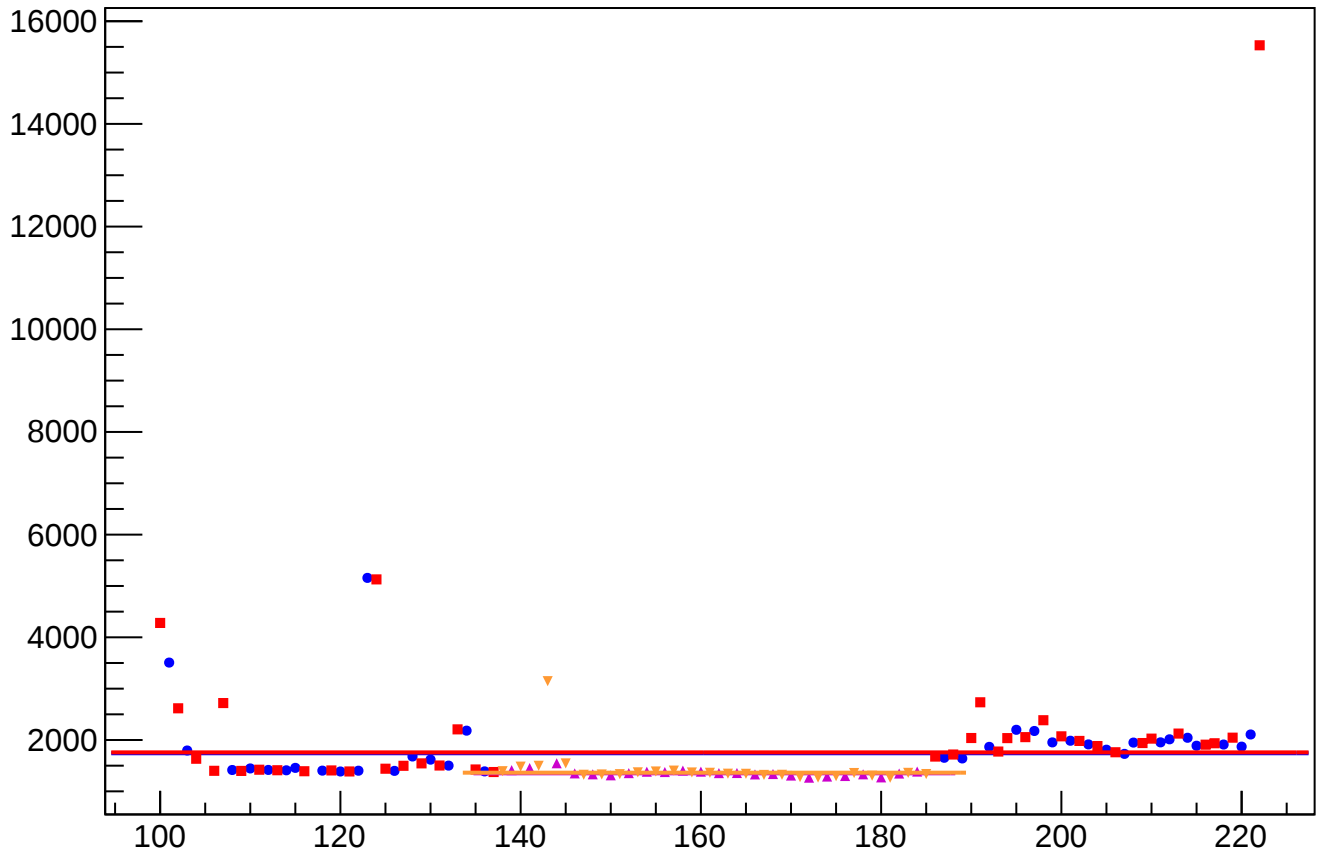
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -281.904 ± 251.088 χ^2/NDF : 66.1/59

All: 46.788 ± 178.444 χ^2/NDF : 144.8/120

- sign 382.216 ± 253.648 χ^2/NDF : 75.3/60

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1741.630+/-0.286 χ^2/NDF : 1149575.8/34

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1758.935+/-0.288 χ^2/NDF : 2630951.8/37

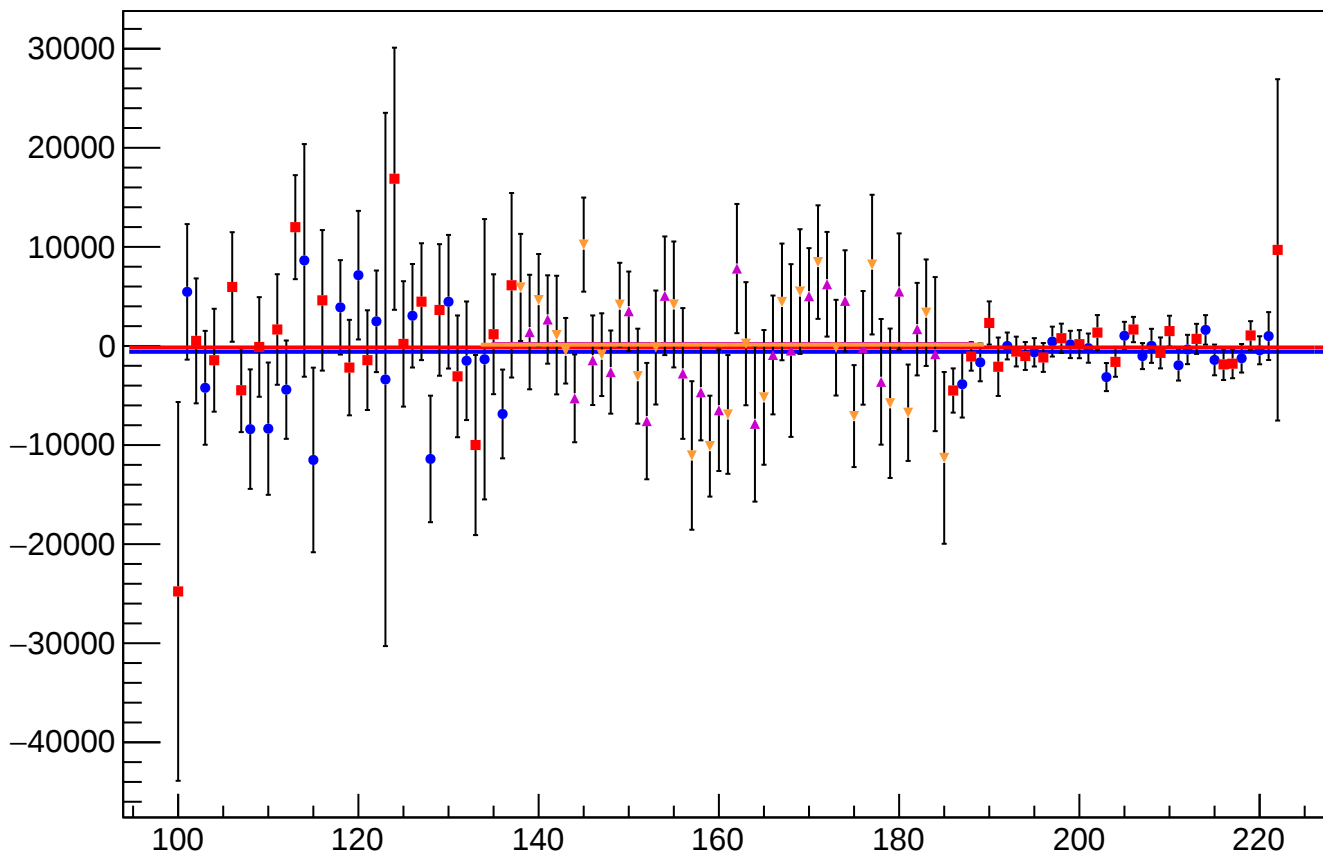
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1509.646+/-0.178 χ^2/NDF : 2799887.6/59

All: 1509.541+/-0.126 χ^2/NDF : 6727515.2/12

- sign 1509.434+/-0.179 χ^2/NDF : 3927626.8/60

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -588.464 $\pm$ 351.962 χ^2 /NDF: 26.4/34

Left Out: 132.142 $\pm$ 1065.543 χ^2 /NDF: 28.1/24

Right Out: -150.108 $\pm$ 355.899 χ^2 /NDF: 30.6/37

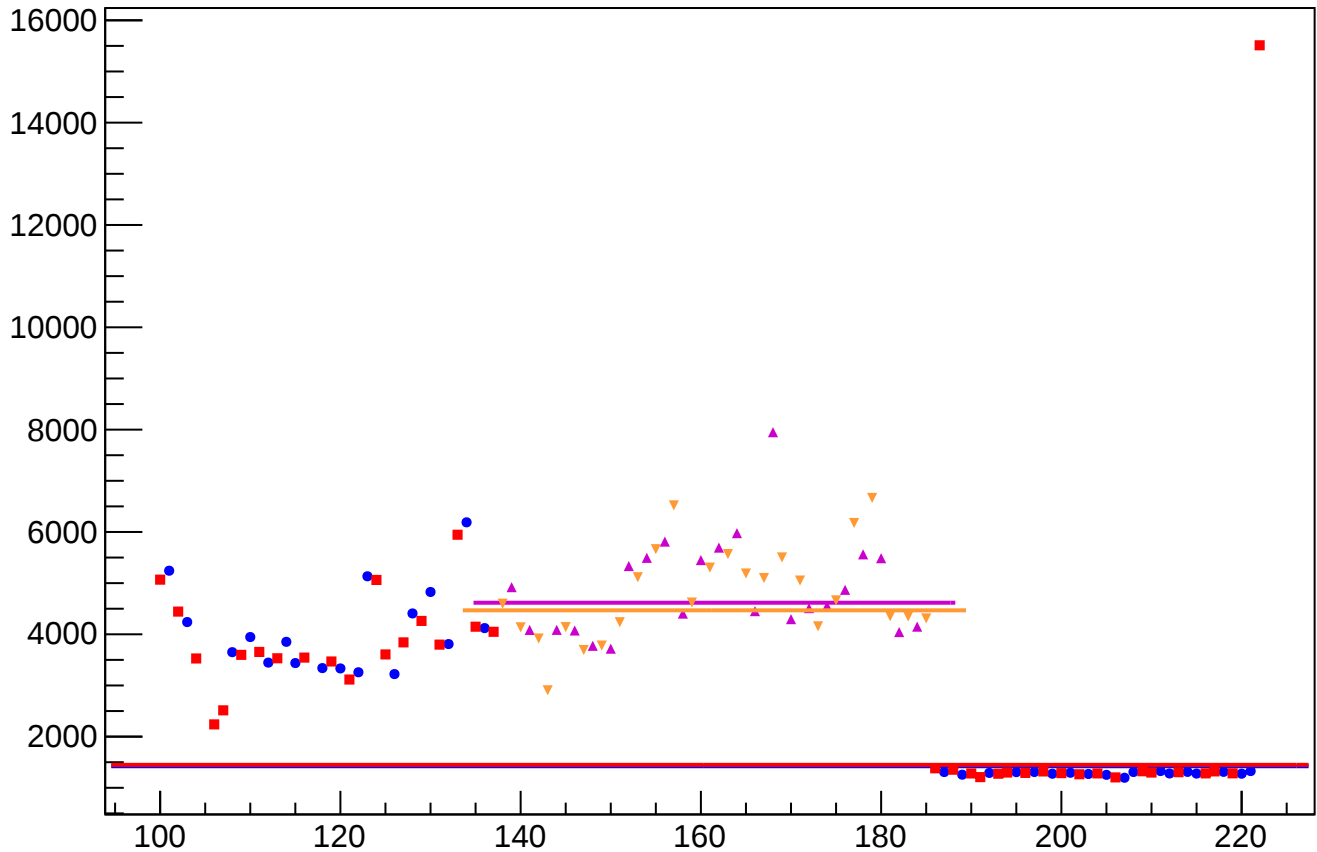
Left In: 200.182 $\pm$ 1123.499 χ^2 /NDF: 14.7/22

+ sign -517.575 $\pm$ 334.202 χ^2 /NDF: 54.9/59

All: -320.882 $\pm$ 238.093 χ^2 /NDF: 101.1/120

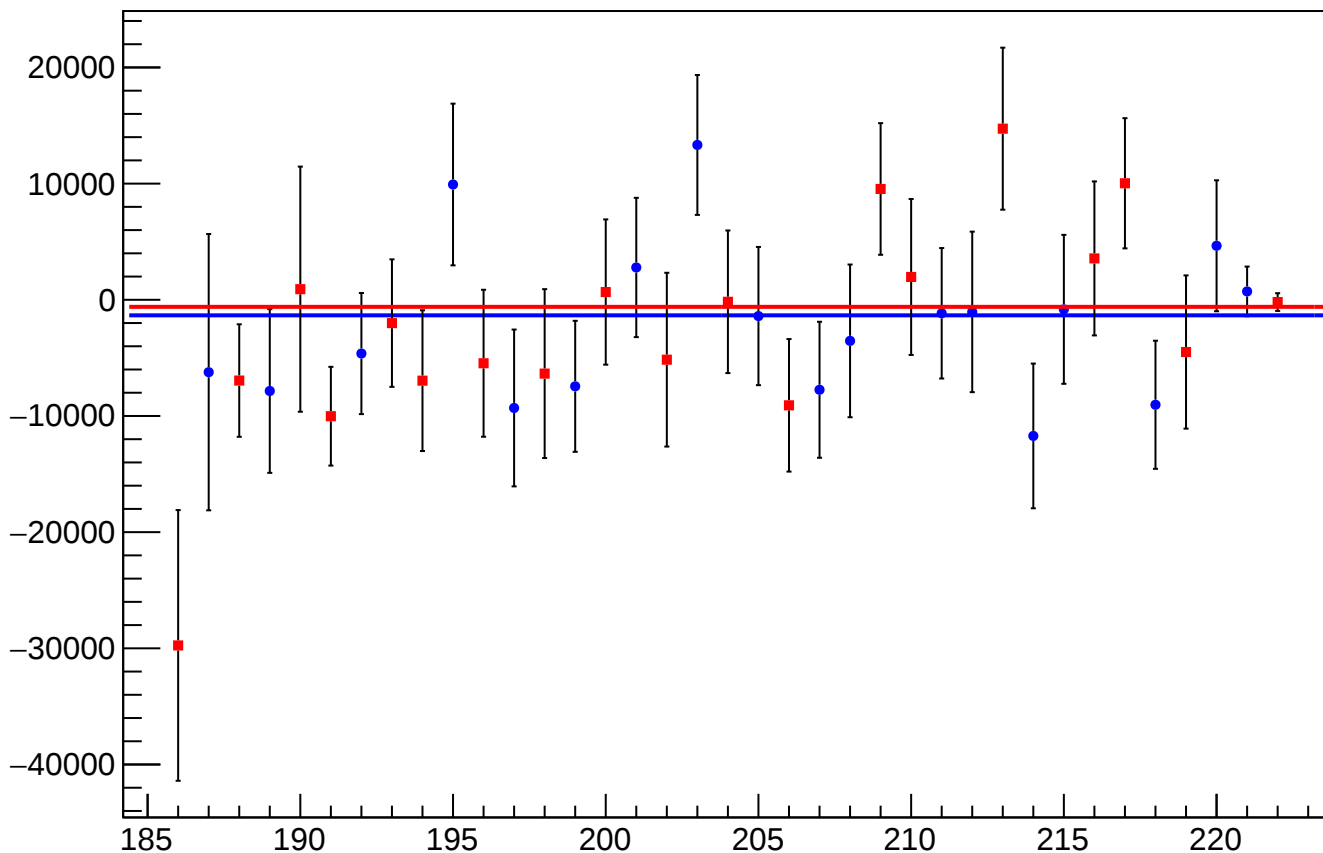
- sign -118.162 $\pm$ 339.283 χ^2 /NDF: 45.5/60

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1421.528 ± 0.249 χ^2/NDF : 5733682.9/34
 Left Out: 4468.520 ± 0.753 χ^2/NDF : 1380601.0/24
 Right Out: 1448.716 ± 0.252 χ^2/NDF : 6887265.2/37
 Left In: 4617.293 ± 0.794 χ^2/NDF : 999599.8/22
 + sign 1721.269 ± 0.236 χ^2/NDF : 21859724.6/59
 - sign 1737.357 ± 0.240 χ^2/NDF : 22345637.4/60
 All: 1729.196 ± 0.168 χ^2/NDF : 44207645.5/100

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -1337.830 $\pm$ 1231.197 χ^2 /NDF: 21.1/17

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

Right Out: -605.919 $\pm$ 675.846 χ^2 /NDF: 30.7/18

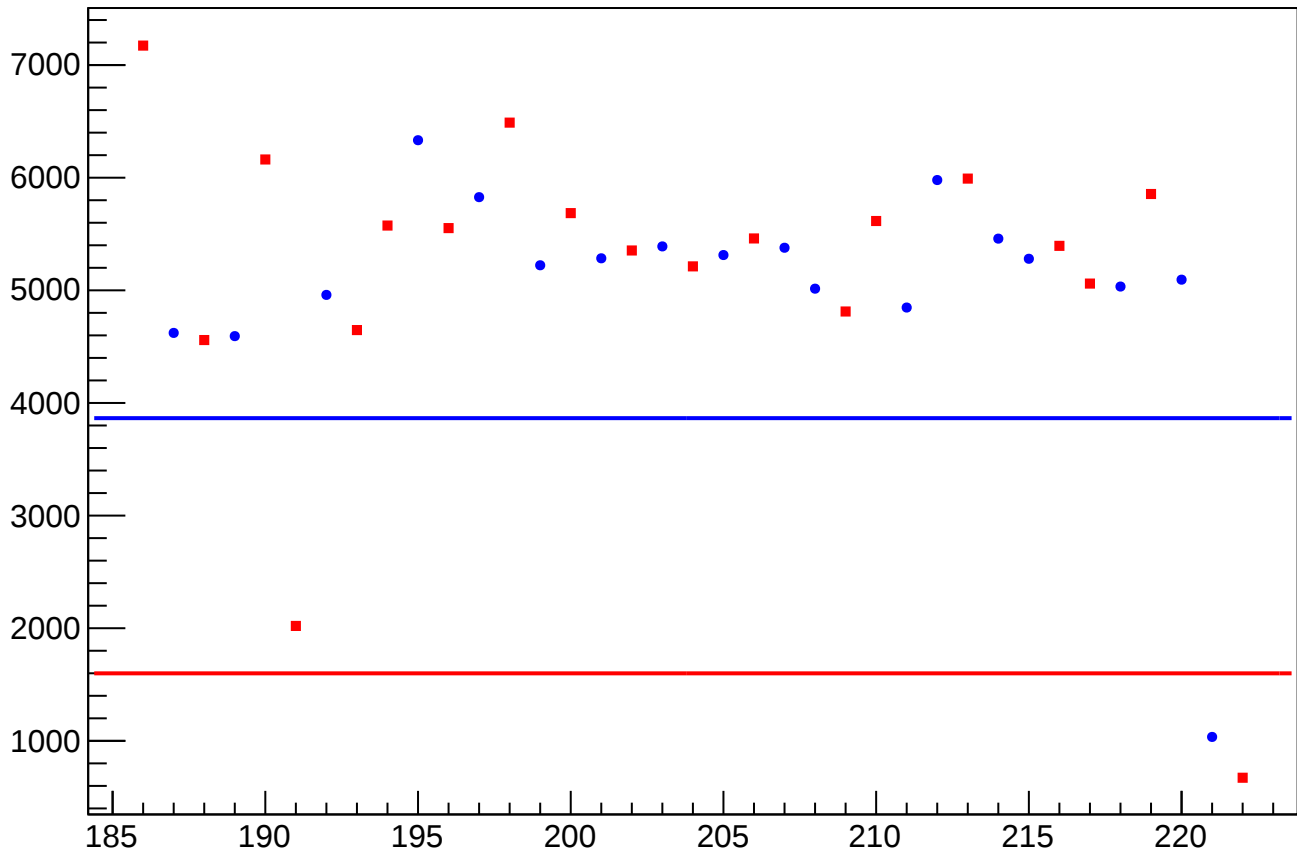
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

All: -775.396 $\pm$ 592.454 χ^2 /NDF: 52.1/36

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

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 3865.174+/-0.871 χ^2/NDF : 5369833.1/17

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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

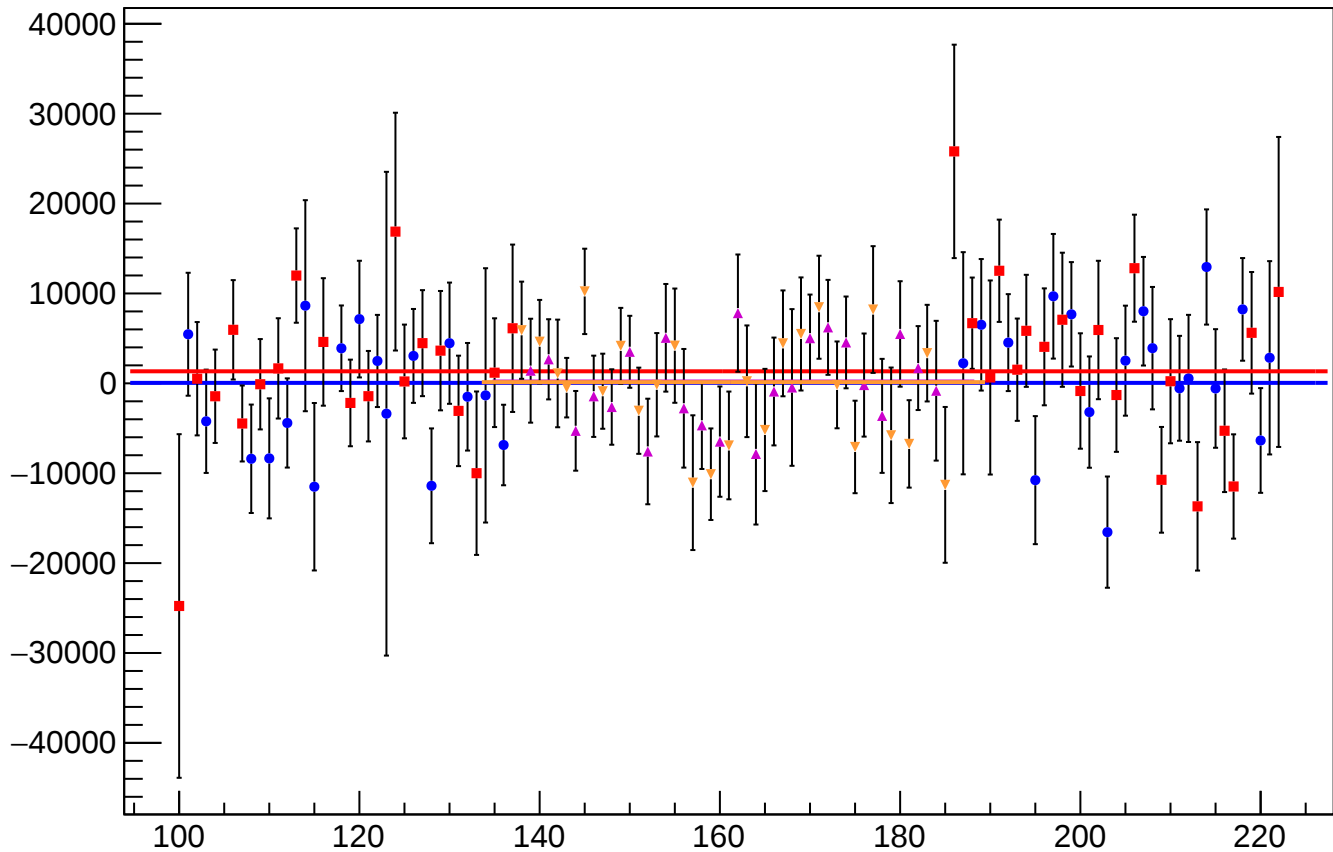
Right Out: 1599.431+/-0.478 χ^2/NDF : 15087058.1/18

All: 2124.075+/-0.419 χ^2/NDF : 25661750.8/3

- 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_dd_atr_dd_avg_mean vs Slug



Right In: 51.835+/-1080.047 χ^2/NDF : 40.7/34

Left Out: 132.142+/-1065.543 χ^2/NDF : 28.1/24

Right Out: 1338.660+/-1027.327 χ^2/NDF : 44.2/37

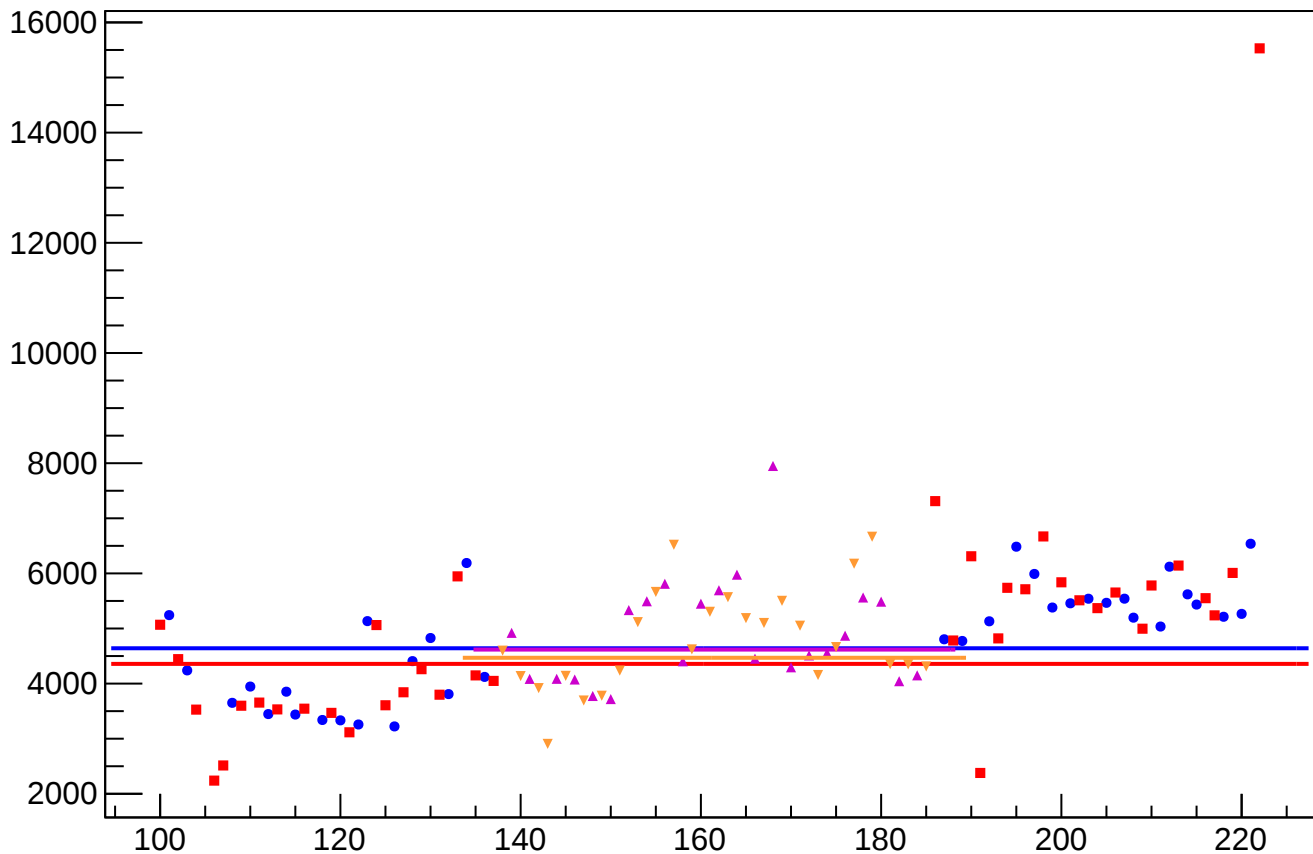
Left In: 200.182+/-1123.499 χ^2/NDF : 14.7/22

+ sign 92.532+/-758.529 χ^2/NDF : 68.8/59

All: 456.558+/-536.228 χ^2/NDF : 128.7/120

- sign 820.225+/-758.154 χ^2/NDF : 59.5/60

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4641.292+/-0.764 χ^2/NDF : 1585292.2/34

Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24

Right Out: 4357.685+/-0.723 χ^2/NDF : 3722246.3/37

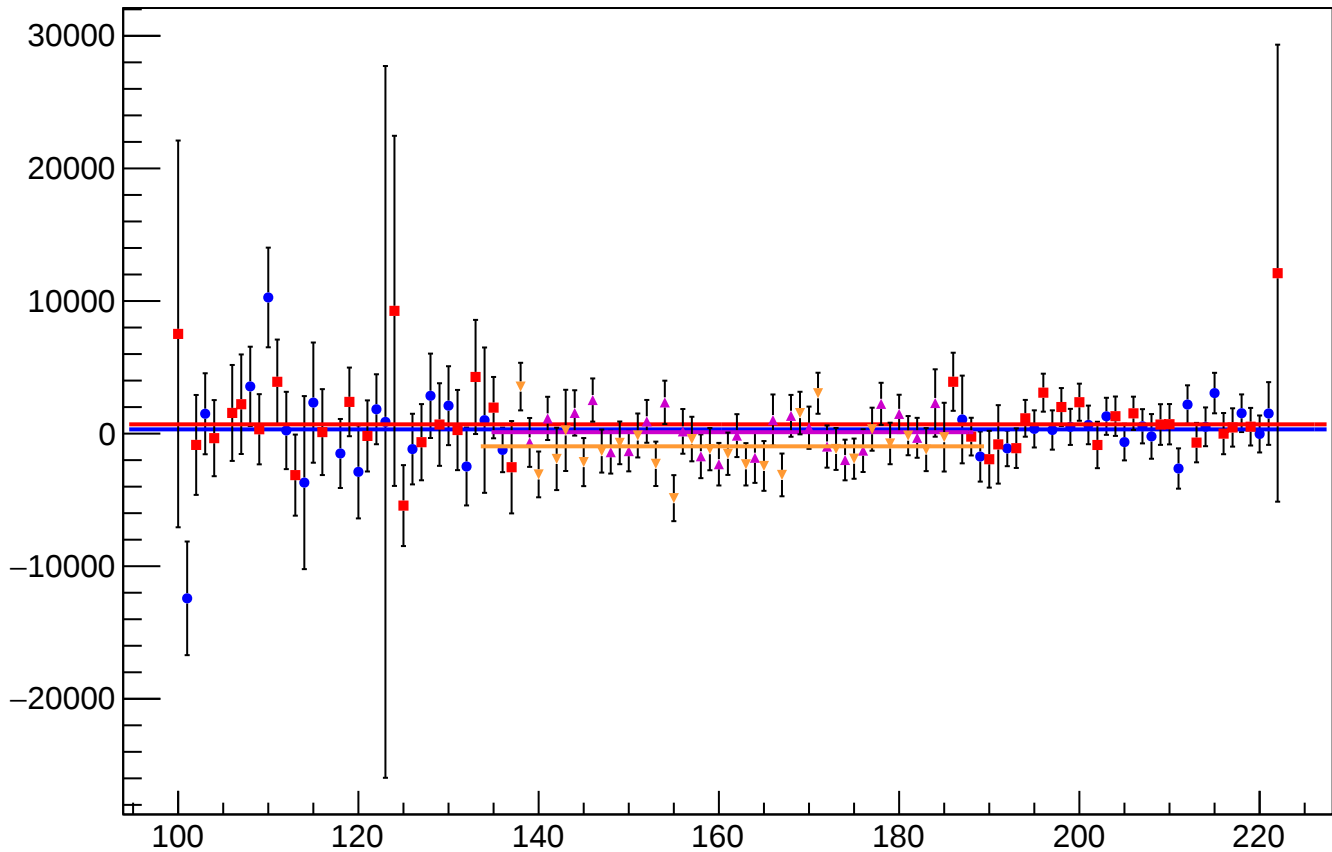
Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

+ sign 4553.739+/-0.536 χ^2/NDF : 2991829.1/59

All: 4514.365+/-0.379 χ^2/NDF : 7782847.4/12

- sign 4475.247+/-0.535 χ^2/NDF : 4780275.4/60

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 319.830 $\pm$ 321.951 χ^2 /NDF: 35.7/34

Left Out: -958.410 $\pm$ 339.496 χ^2 /NDF: 28.5/24

Right Out: 699.880 $\pm$ 325.247 χ^2 /NDF: 24.3/37

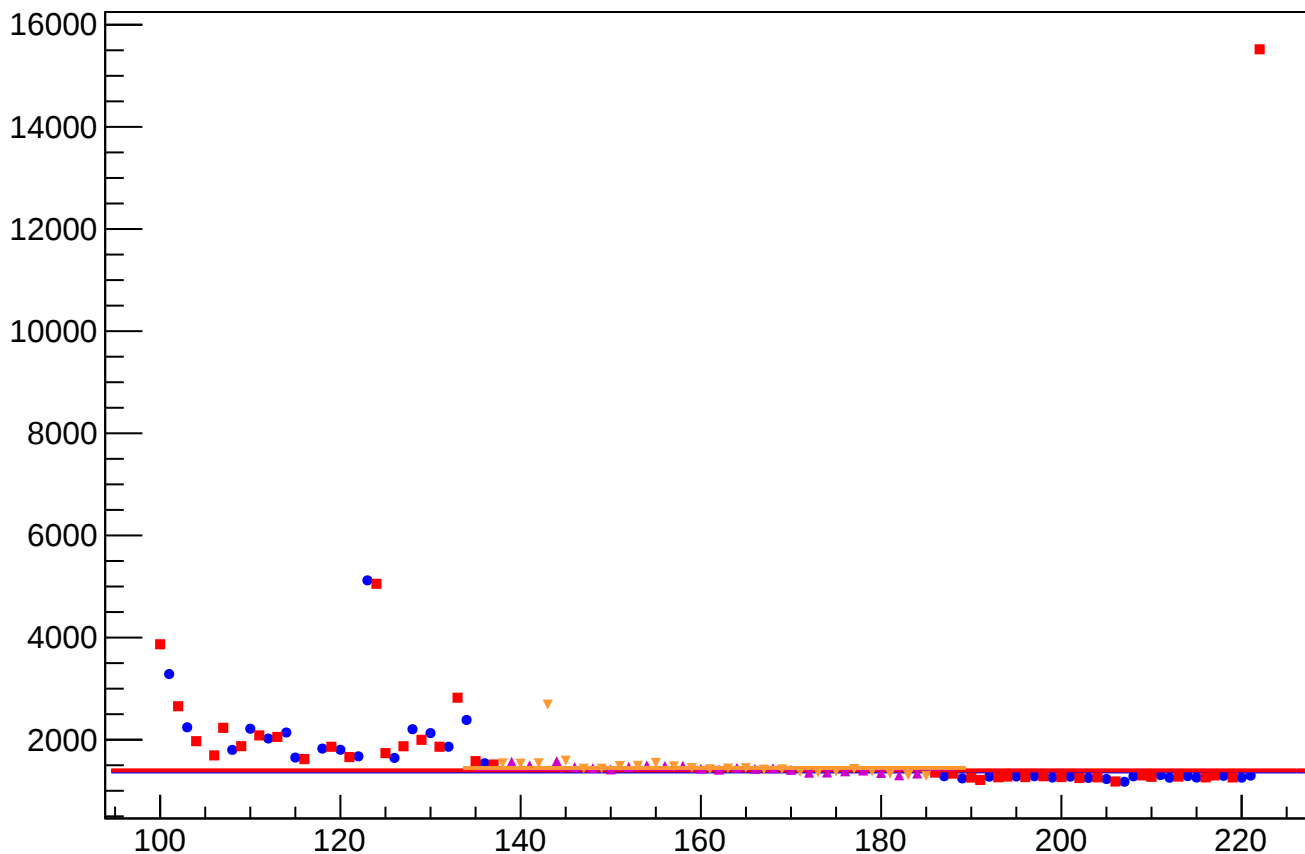
Left In: 107.512 $\pm$ 343.663 χ^2 /NDF: 19.5/22

+ sign -285.408 $\pm$ 233.610 χ^2 /NDF: 71.7/59

All: 63.364 $\pm$ 166.105 χ^2 /NDF: 121.6/120

- sign 419.992 $\pm$ 236.227 χ^2 /NDF: 45.3/60

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1378.856+/-0.228 χ^2/NDF : 1627135.3/34

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1399.967+/-0.230 χ^2/NDF : 3010186.1/37

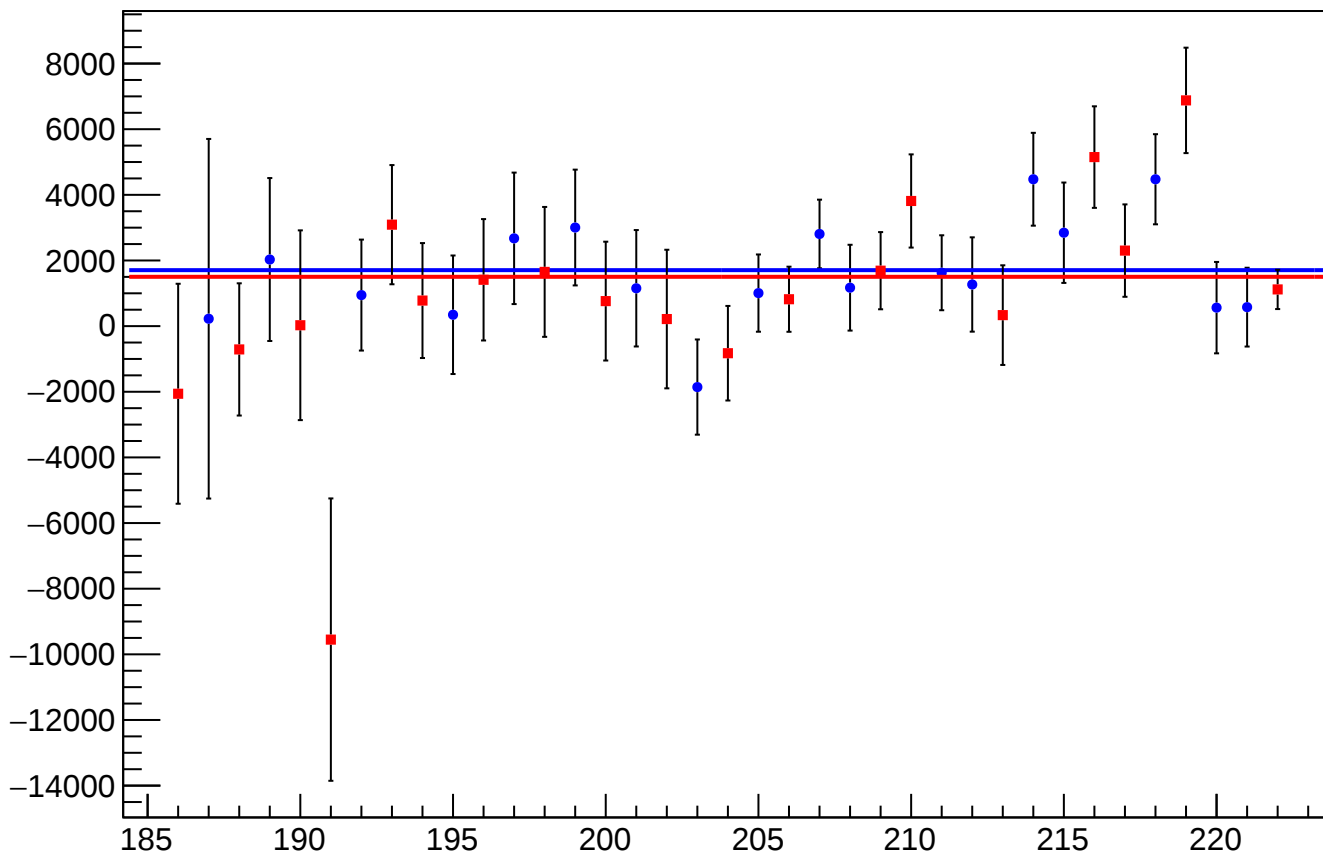
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1411.384+/-0.165 χ^2/NDF : 2089508.3/59

All: 1413.095+/-0.117 χ^2/NDF : 5183899.4/12

- sign 1414.845+/-0.167 χ^2/NDF : 3094174.1/60

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1705.260+/-345.921 χ^2 /NDF: 19.5/17

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

Right Out: 1502.765+/-324.950 χ^2 /NDF: 34.5/18

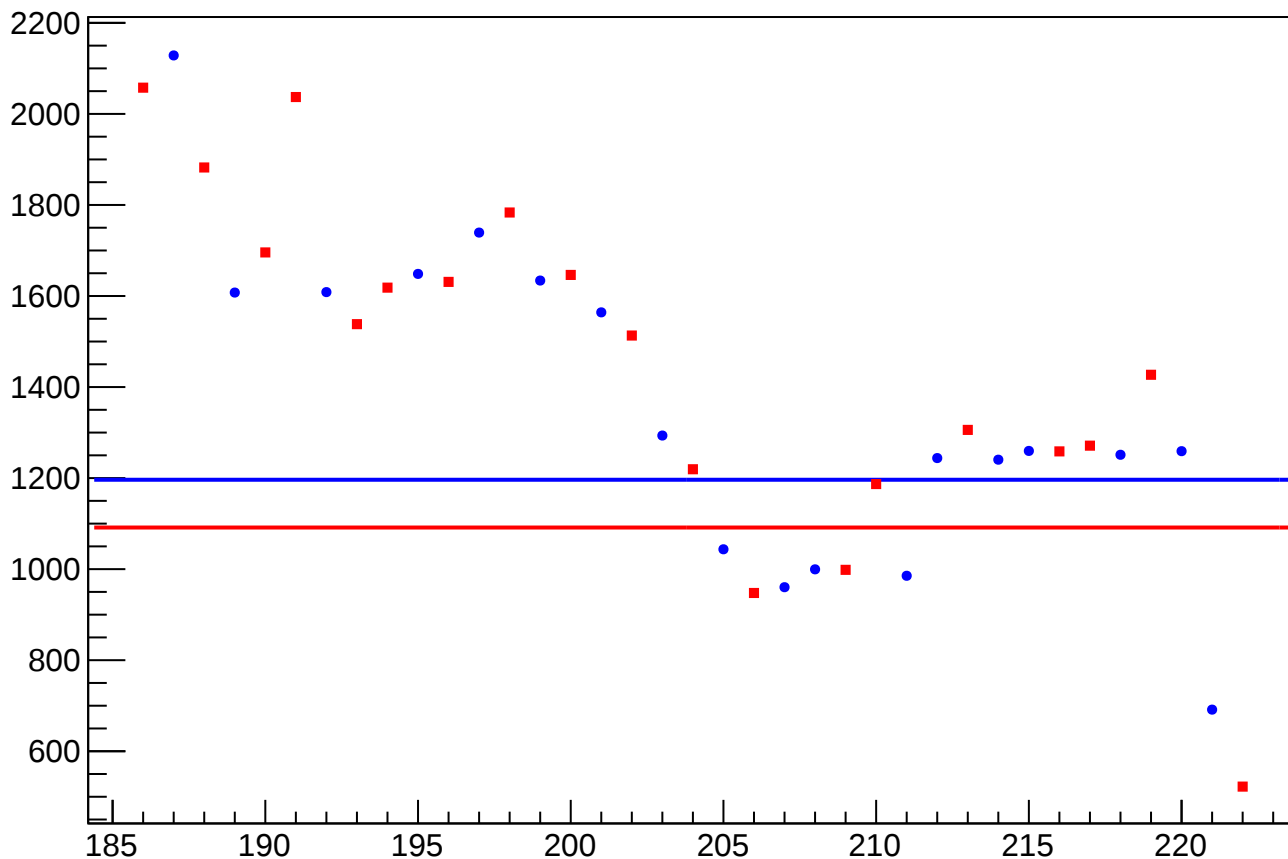
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: 1597.688+/-236.841 χ^2 /NDF: 54.2/36

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1196.368 $\pm$ 0.245 χ^2 /NDF: 1339930.8/17

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

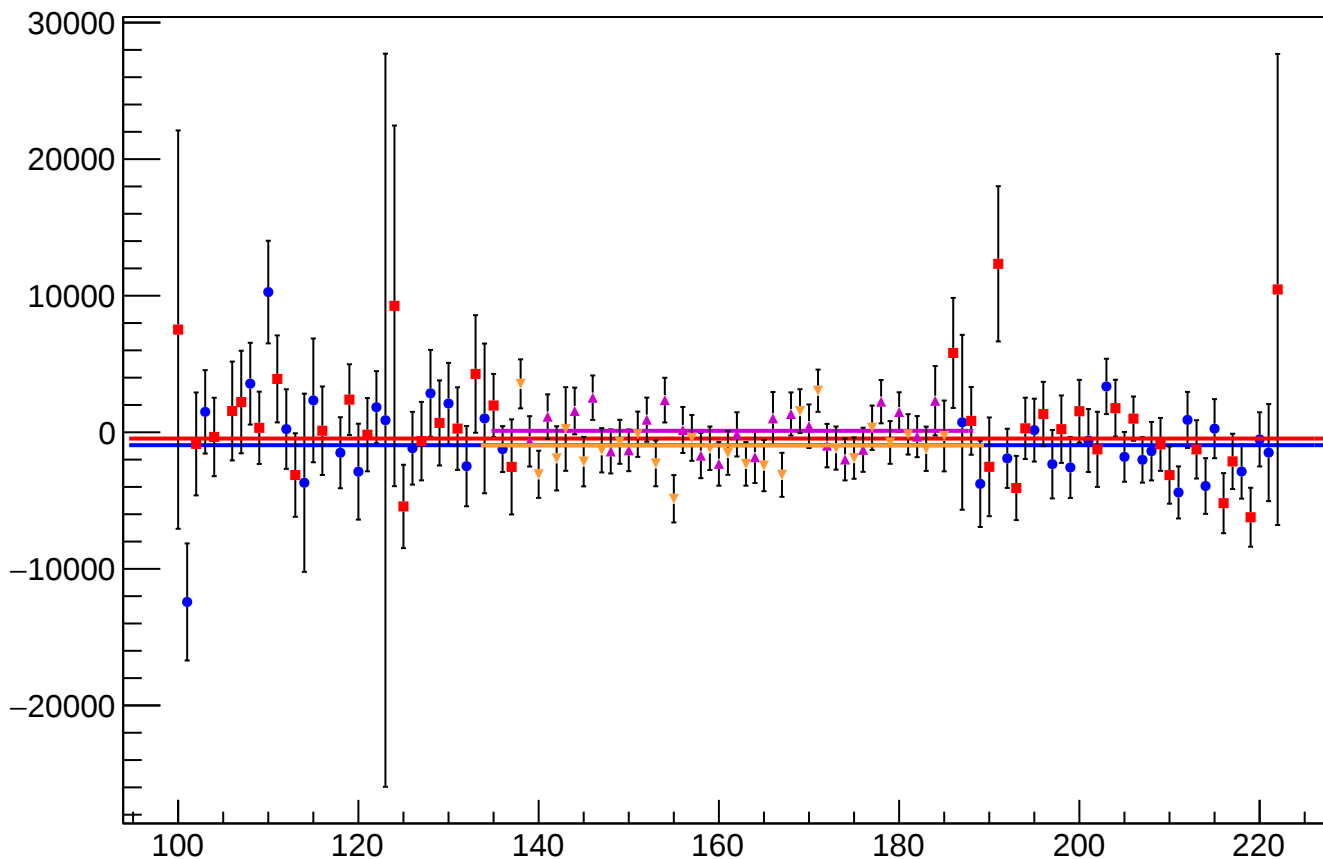
Right Out: 1091.434 $\pm$ 0.230 χ^2 /NDF: 3715173.1/18

All: 1140.624 $\pm$ 0.167 χ^2 /NDF: 5152870.2/30

- 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_dd_atr_dd_dd_mean vs Slug



Right In: -944.222 $\pm$ 425.937 χ^2 /NDF: 39.1/34

Left Out: -958.410 $\pm$ 339.496 χ^2 /NDF:28.5/24

Right Out: -457.734 $\pm$ 437.789 χ^2 /NDF: 39.8/37

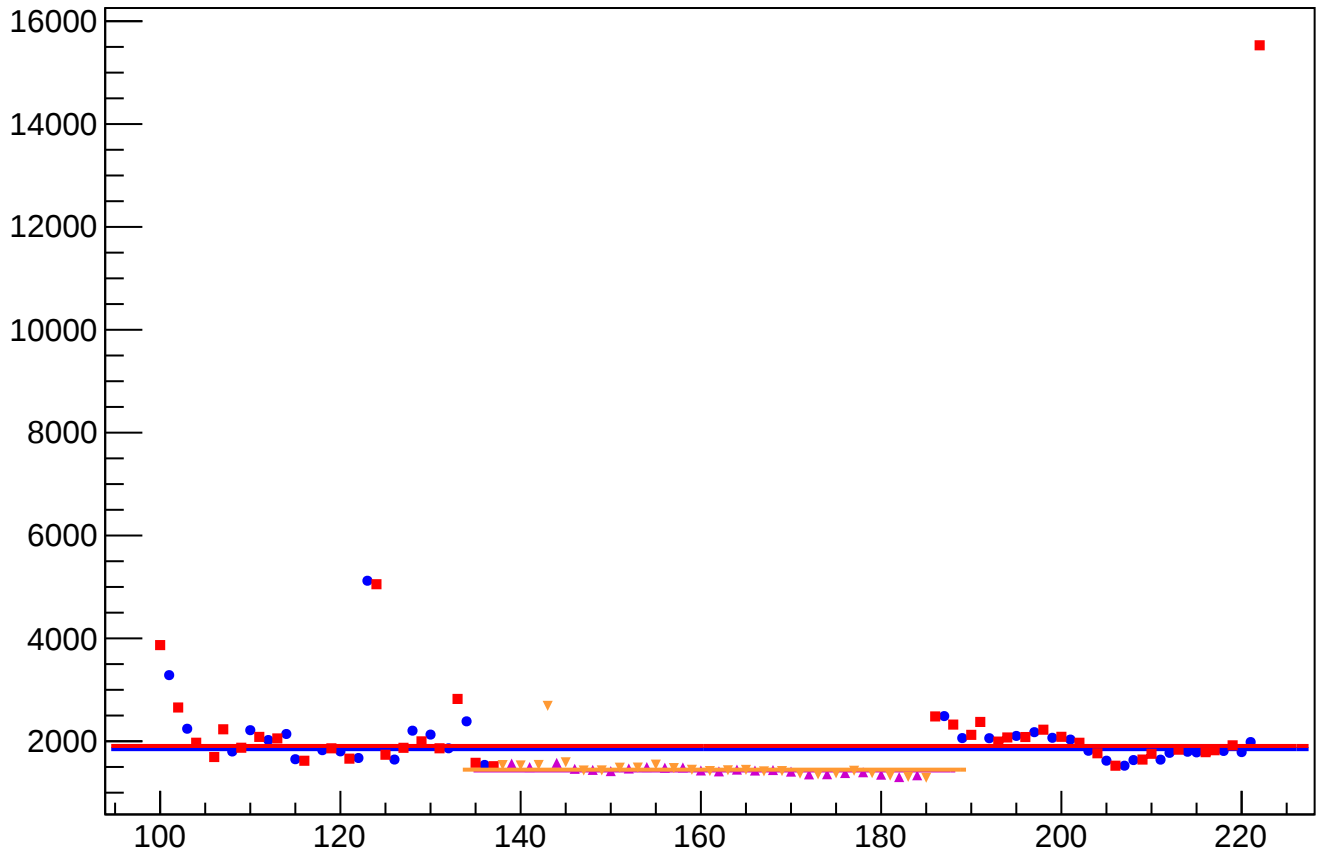
Left In: 107.512 $\pm$ 343.663 χ^2 /NDF:19.5/22

+ sign -952.898 $\pm$ 265.483 χ^2 /NDF: 67.7/59

All: -538.081 $\pm$ 189.413 χ^2 /NDF: 133.0/120

- sign -108.000 $\pm$ 270.323 χ^2 /NDF: 60.3/60

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1846.144 $\pm$ 0.301 χ^2 /NDF: 773563.9/34

Left Out: 1447.554 $\pm$ 0.240 χ^2 /NDF: 419254.7/24

Right Out: 1908.543 $\pm$ 0.310 χ^2 /NDF: 2077131.5/37

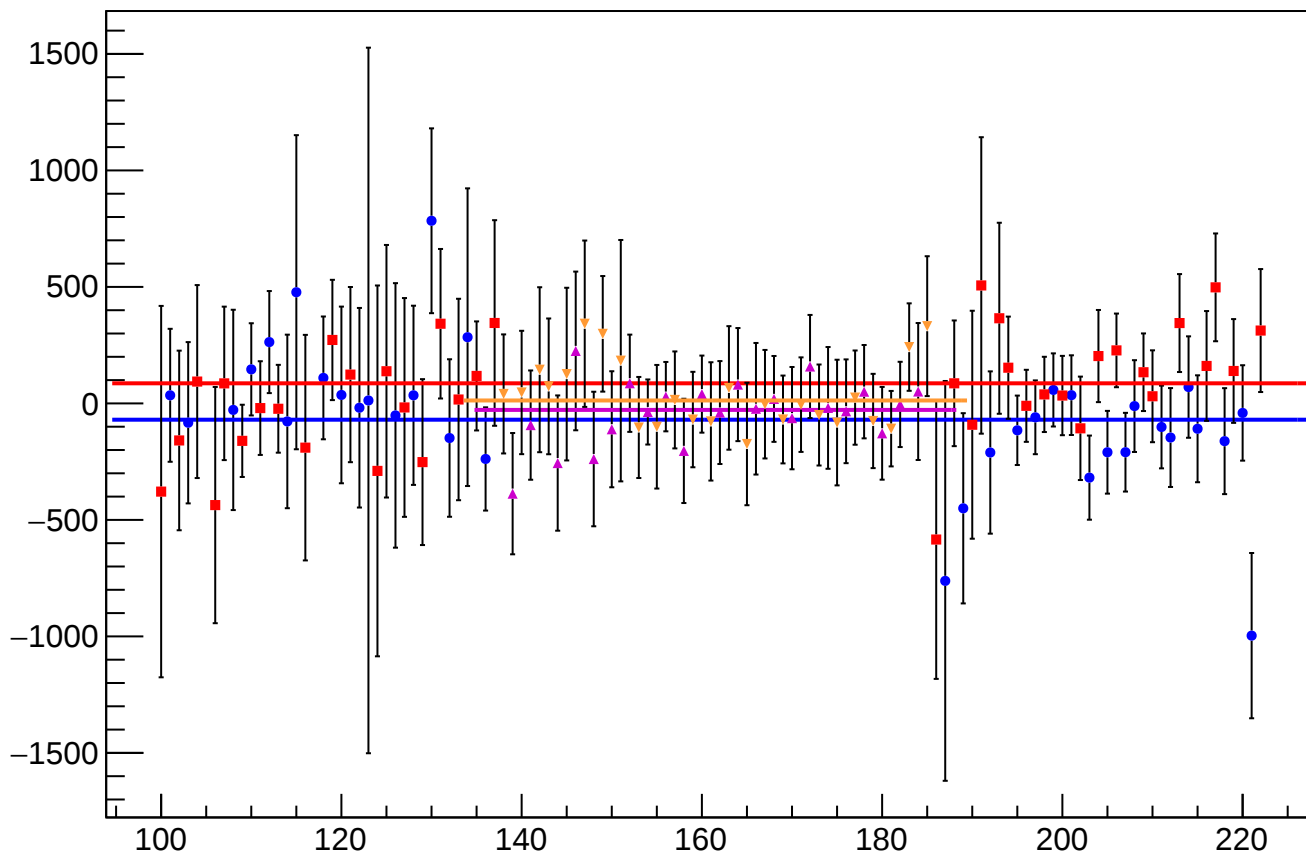
Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

+ sign 1602.404 $\pm$ 0.188 χ^2 /NDF: 2263830.8/59

All: 1607.782 $\pm$ 0.134 χ^2 /NDF: 5887368.8/12

- sign 1613.357 $\pm$ 0.191 χ^2 /NDF: 3621866.4/60

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -69.935 ± 40.805 χ^2/NDF : 24.2/34

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 86.252 ± 40.486 χ^2/NDF : 18.6/37

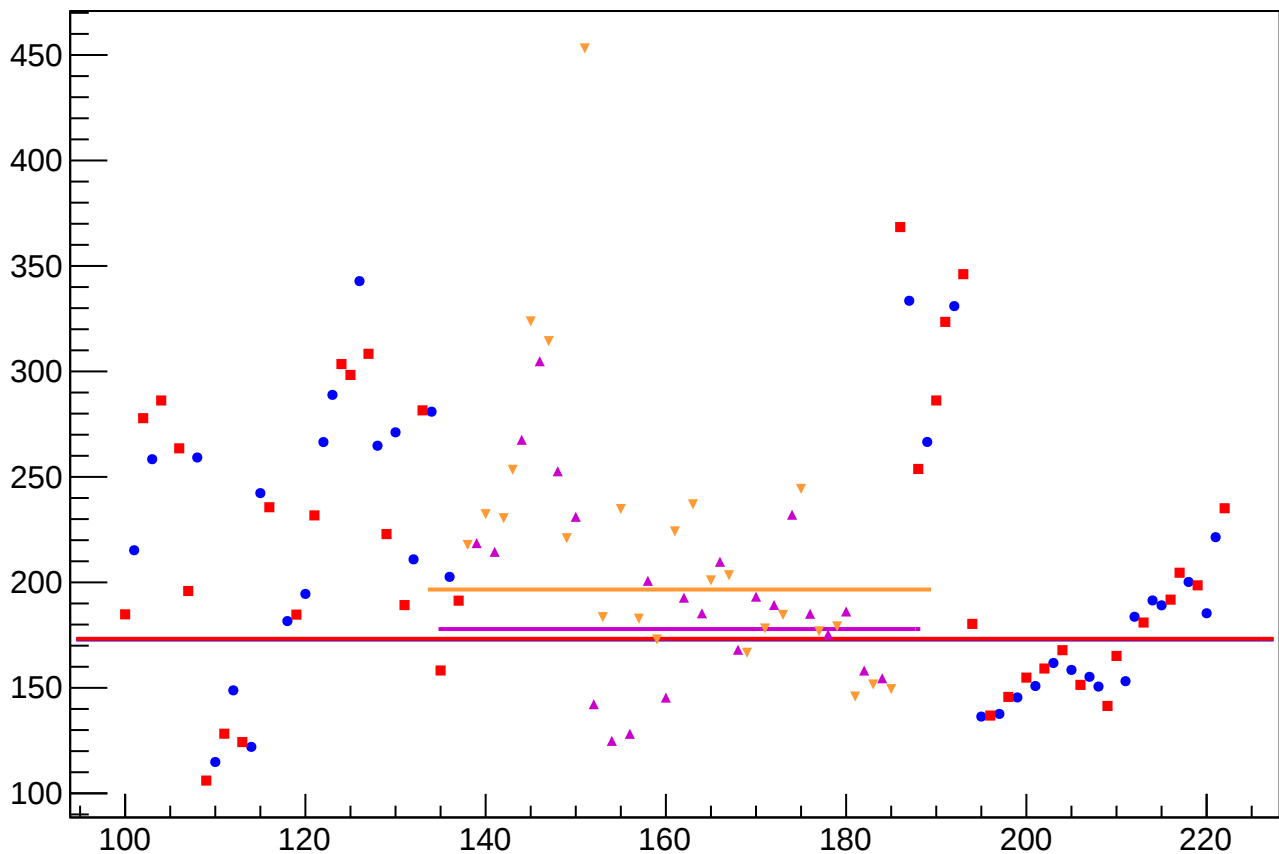
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign -34.869 ± 30.948 χ^2/NDF : 33.7/59

All: 0.987 ± 21.524 χ^2/NDF : 65.0/120

- sign 34.576 ± 29.954 χ^2/NDF : 28.8/60

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.924 $\pm$ 0.029 χ^2 /NDF: 2249182.8/34

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 173.242 $\pm$ 0.029 χ^2 /NDF: 3043786.6/37

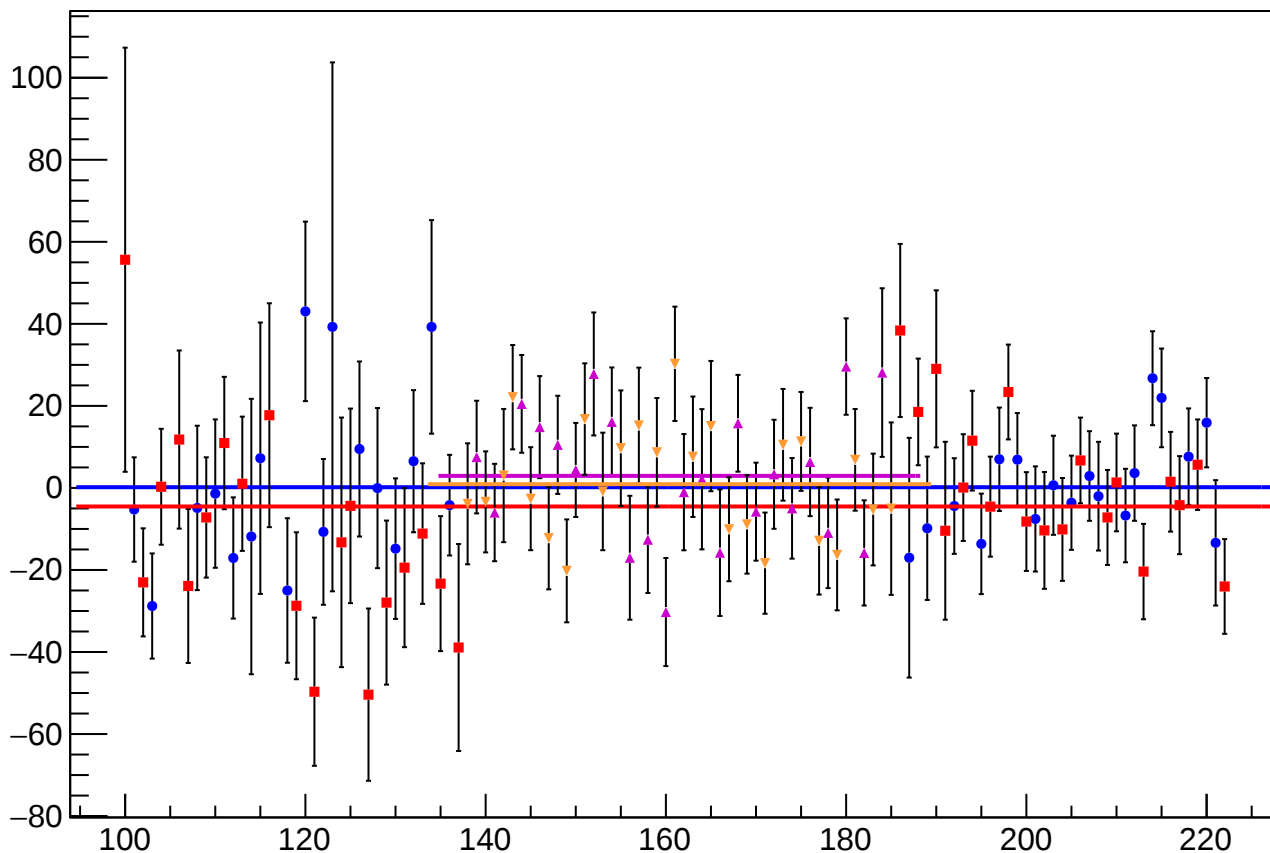
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 182.989 $\pm$ 0.022 χ^2 /NDF: 4329169.5/59

All: 179.040 $\pm$ 0.015 χ^2 /NDF: 9091980.0/120

- sign 175.340 $\pm$ 0.021 χ^2 /NDF: 4699739.3/60

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.175 ± 2.431 χ^2/NDF : 32.7/34

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -4.524 ± 2.401 χ^2/NDF : 50.8/37

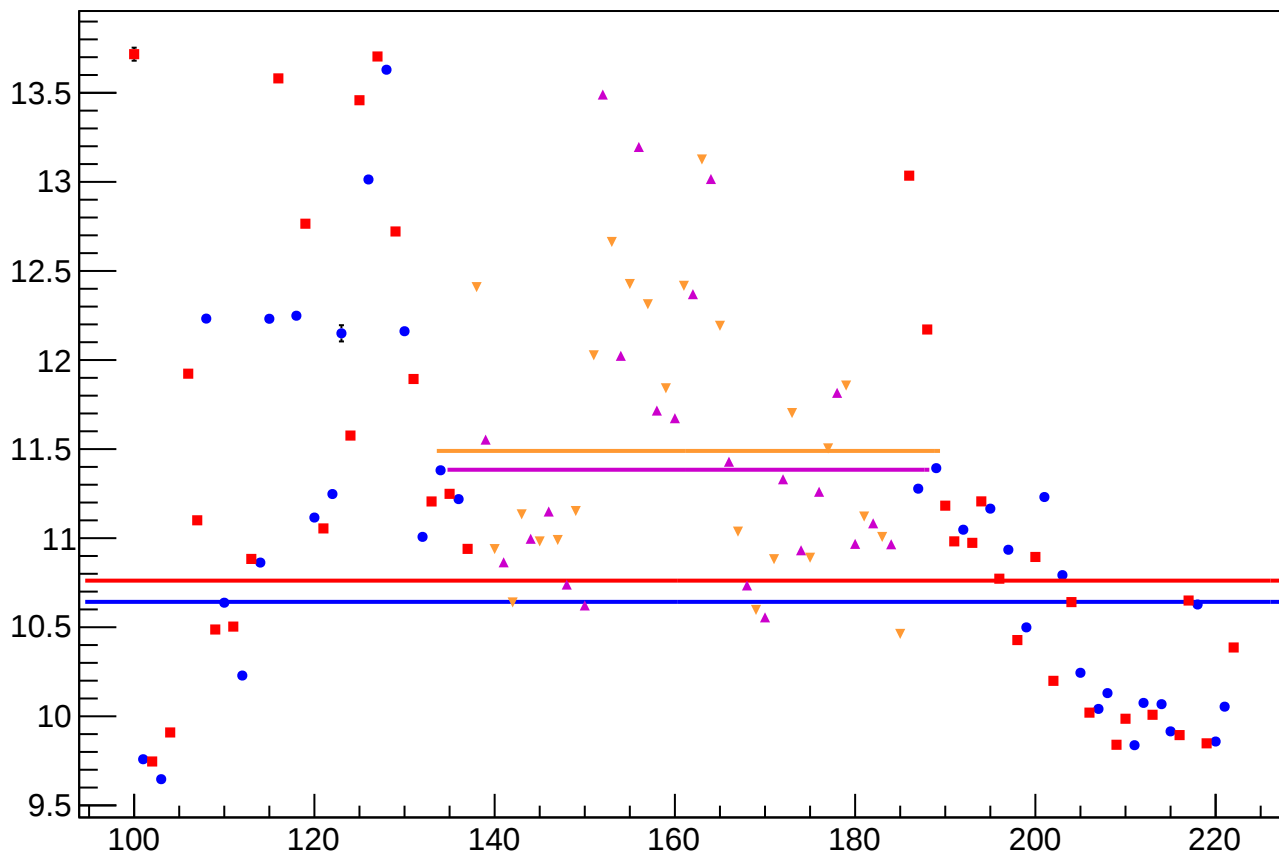
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign 0.509 ± 1.805 χ^2/NDF : 56.7/59

All: -0.388 ± 1.277 χ^2/NDF : 143.3/120

- sign -1.288 ± 1.807 χ^2/NDF : 86.1/60

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.642 $\pm$ 0.002 χ^2 /NDF: 224164.5/34

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 10.762 $\pm$ 0.002 χ^2 /NDF: 298102.0/37

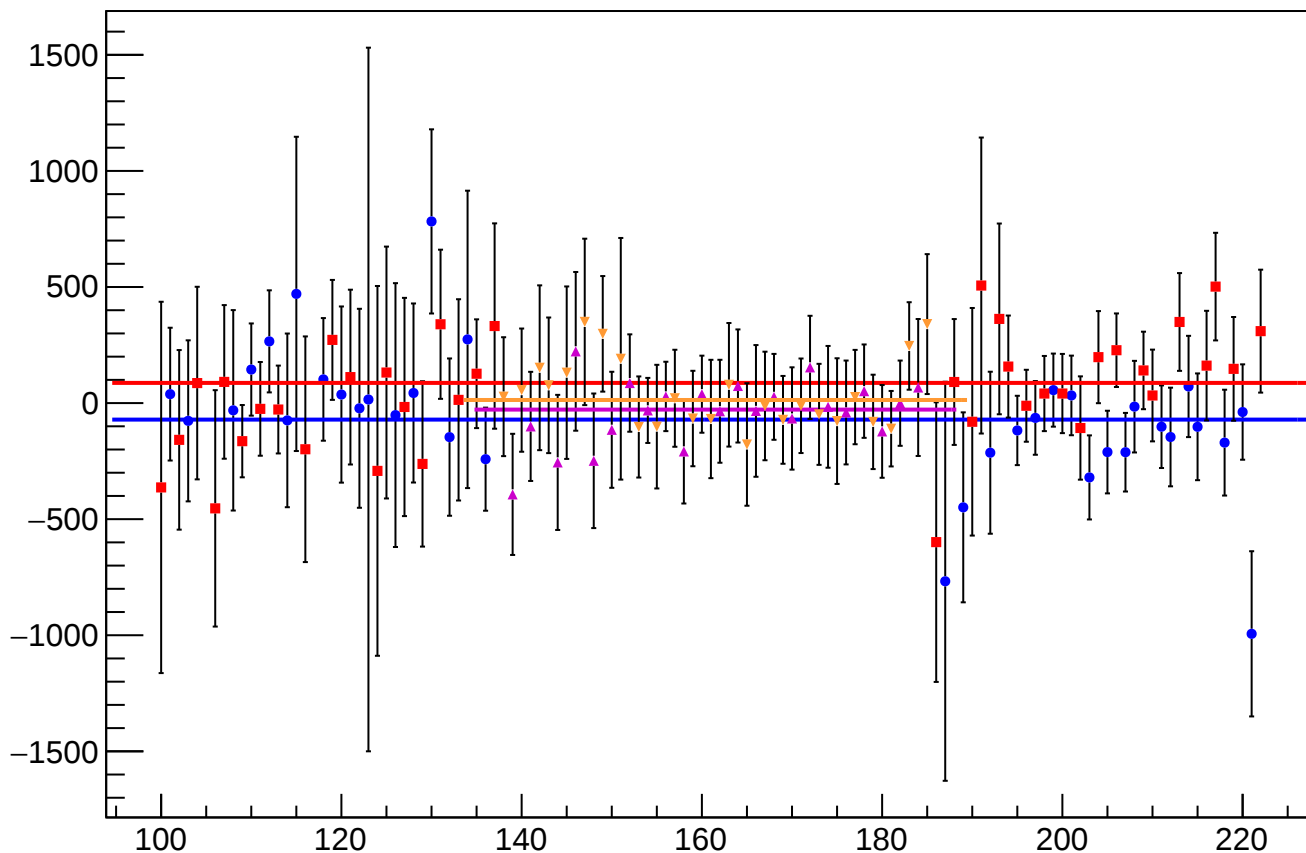
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.022 $\pm$ 0.001 χ^2 /NDF: 465537.9/59

All: 11.027 $\pm$ 0.001 χ^2 /NDF: 971732.0/120

- sign 11.031 $\pm$ 0.001 χ^2 /NDF: 506168.6/60

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -71.144 ± 40.905 $\chi^2/\text{NDF}: 24.1/34$

Left Out: 13.323 ± 47.662 $\chi^2/\text{NDF}: 7.9/24$

Right Out: 86.922 ± 40.591 $\chi^2/\text{NDF}: 18.8/37$

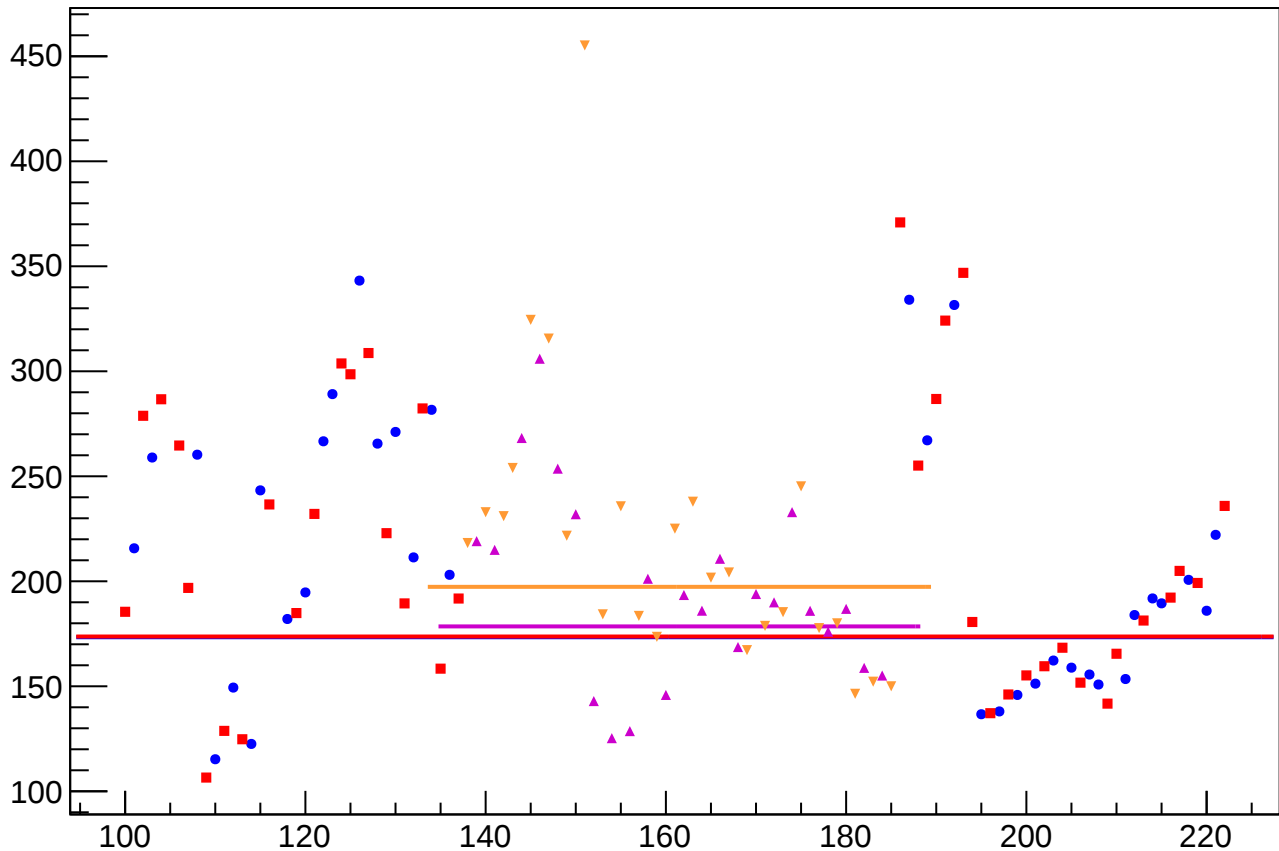
Left In: -28.050 ± 44.681 $\chi^2/\text{NDF}: 6.6/22$

+ sign -35.318 ± 31.041 $\chi^2/\text{NDF}: 33.8/59$

All: 0.956 ± 21.588 $\chi^2/\text{NDF}: 65.5/120$

- sign 34.938 ± 30.044 $\chi^2/\text{NDF}: 29.1/60$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 173.356 $\pm$ 0.029 χ^2 /NDF: 2244425.7/34

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF: 1790824.5/24

Right Out: 173.700 $\pm$ 0.029 χ^2 /NDF: 3040318.6/37

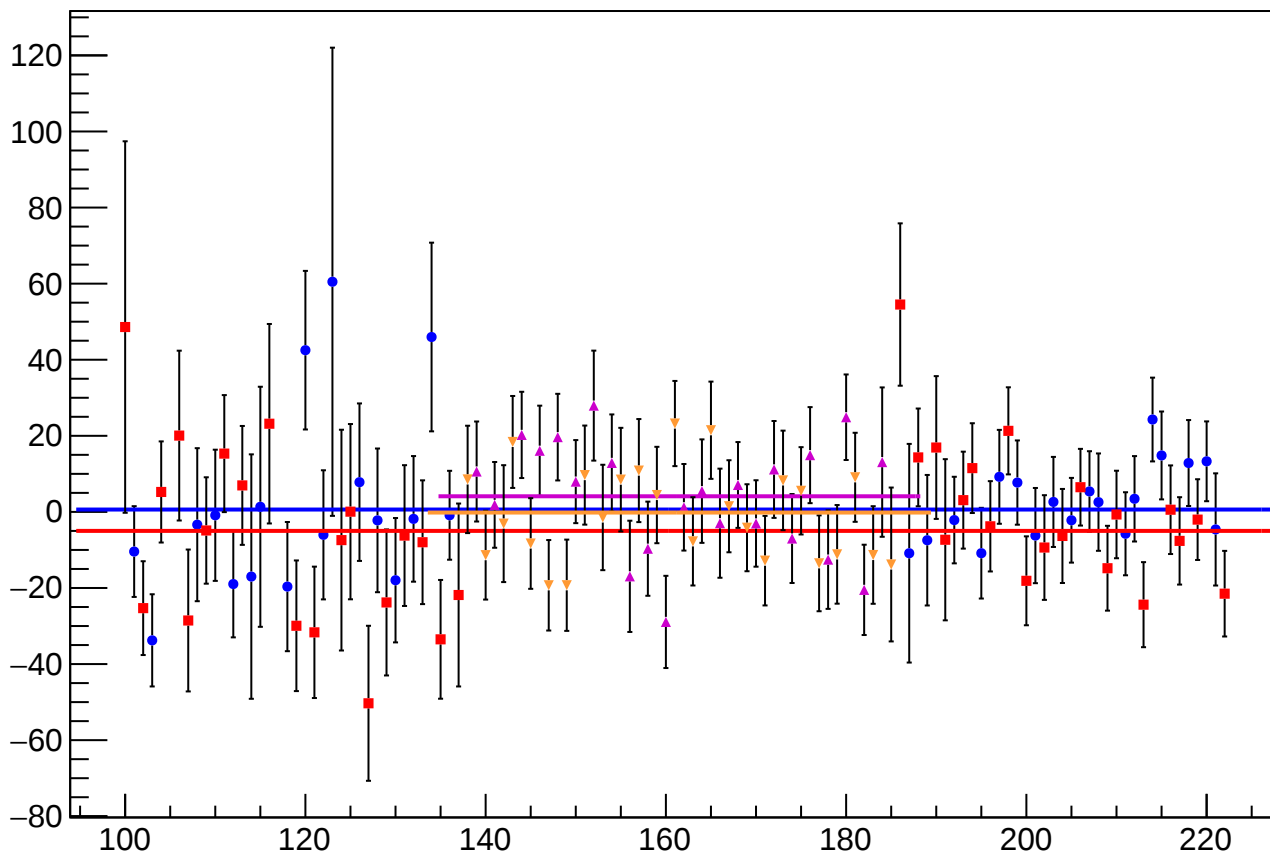
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF: 1642304.1/22

+ sign 183.535 $\pm$ 0.022 χ^2 /NDF: 4327248.7/59

All: 179.581 $\pm$ 0.015 χ^2 /NDF: 9085451.1/120

- sign 175.876 $\pm$ 0.021 χ^2 /NDF: 4695329.7/60

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 0.621 ± 2.344 $\chi^2/\text{NDF}: 34.8/34$

Left Out: -0.170 ± 2.520 $\chi^2/\text{NDF}: 24.4/24$

Right Out: -4.992 ± 2.321 $\chi^2/\text{NDF}: 53.3/37$

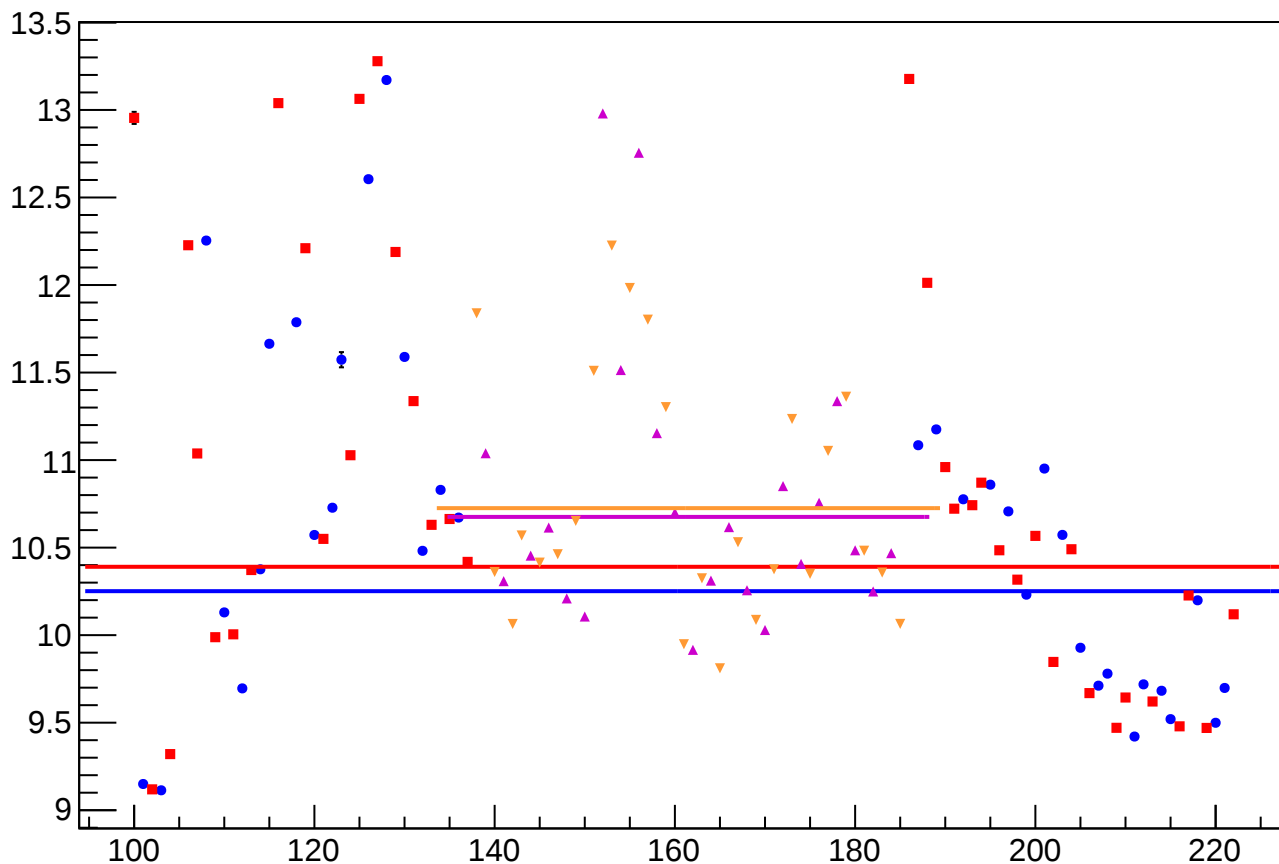
Left In: 4.107 ± 2.577 $\chi^2/\text{NDF}: 31.5/22$

+ sign 0.254 ± 1.716 $\chi^2/\text{NDF}: 59.2/59$

All: -0.329 ± 1.217 $\chi^2/\text{NDF}: 151.2/120$

- sign -0.917 ± 1.725 $\chi^2/\text{NDF}: 91.8/60$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.251 $\pm$ 0.002 χ^2 /NDF: 251830.9/34

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.390 $\pm$ 0.002 χ^2 /NDF: 341271.1/37

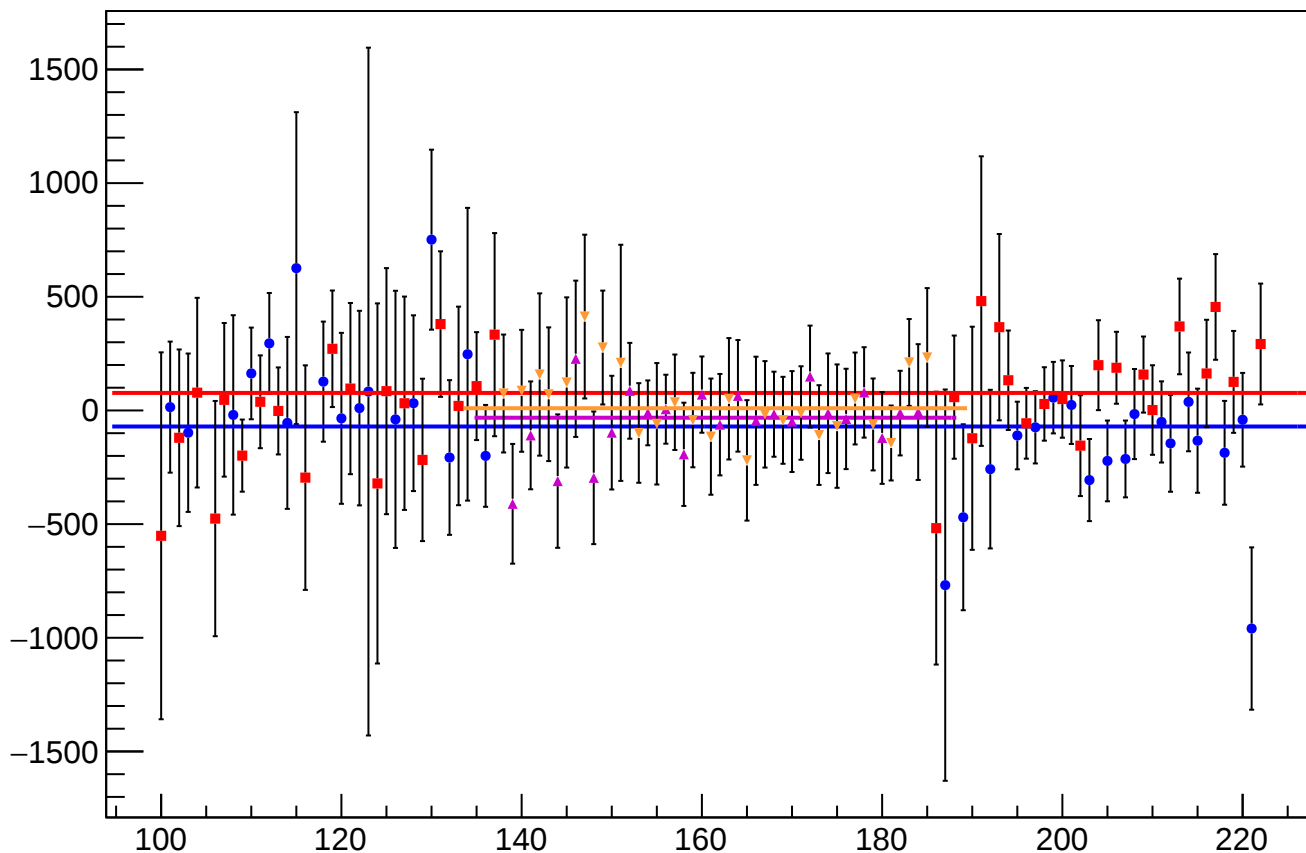
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.471 $\pm$ 0.001 χ^2 /NDF: 421980.1/59

All: 10.494 $\pm$ 0.001 χ^2 /NDF: 923434.7/120

- sign 10.518 $\pm$ 0.001 χ^2 /NDF: 500709.5/60

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -70.597 ± 40.967 χ^2/NDF : 24.0/34

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 77.147 ± 40.710 χ^2/NDF : 19.3/37

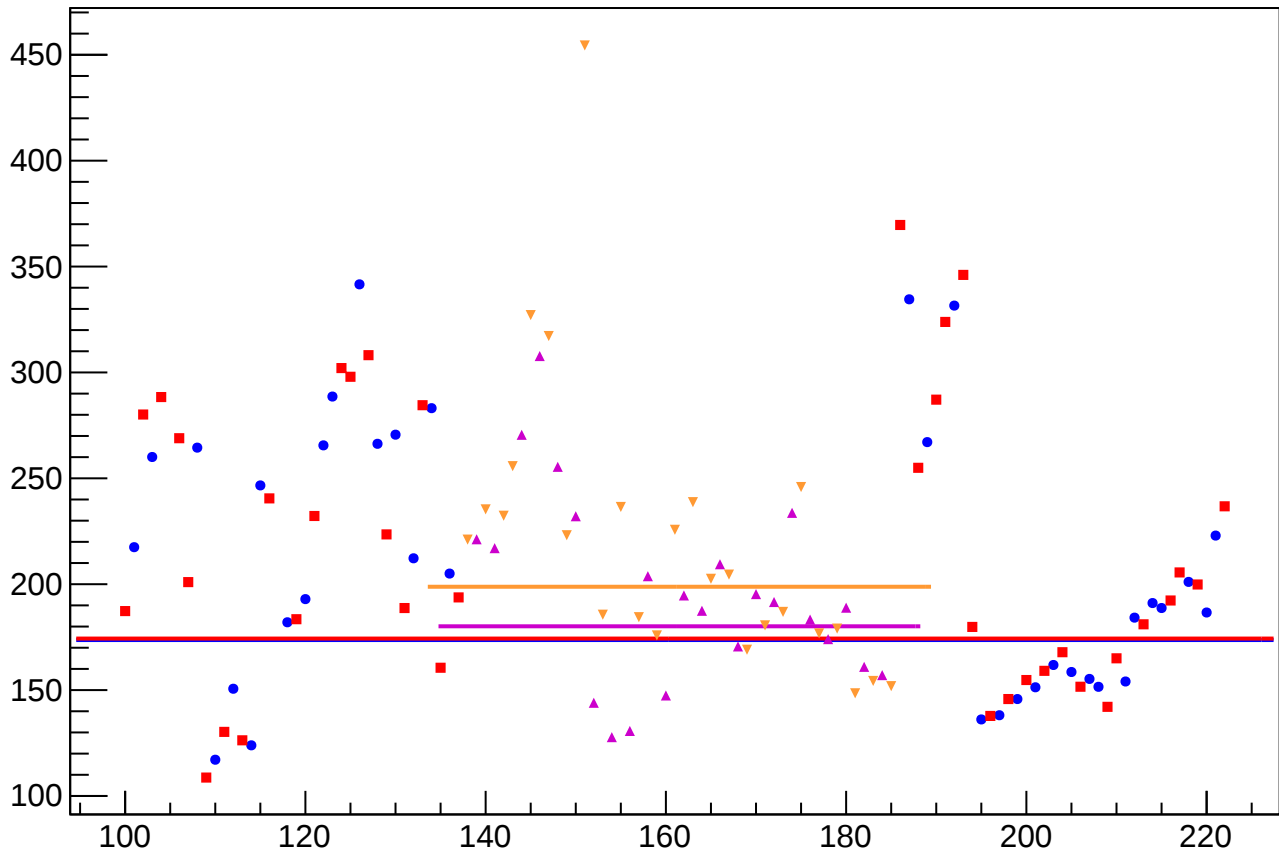
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -36.696 ± 31.155 χ^2/NDF : 33.2/59

All: -3.304 ± 21.685 χ^2/NDF : 65.1/120

- sign 28.075 ± 30.201 χ^2/NDF : 29.7/60

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.631 $\pm$ 0.029 χ^2/NDF : 2241124.0/34

Left Out: 198.800 $\pm$ 0.034 χ^2/NDF : 1763119.1/24

Right Out: 174.331 $\pm$ 0.029 χ^2/NDF : 2998262.6/37

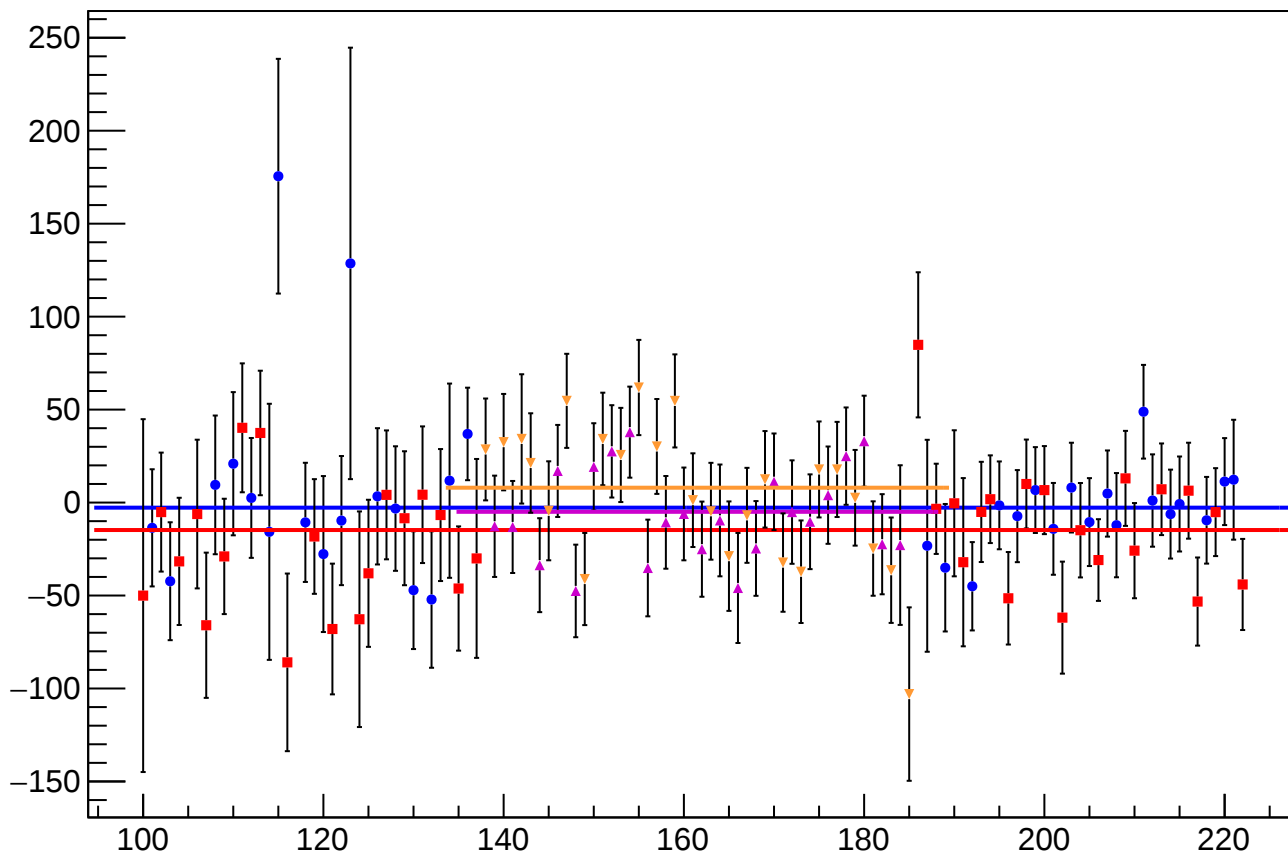
Left In: 180.123 $\pm$ 0.032 χ^2/NDF : 1593842.6/22

+ sign 184.244 $\pm$ 0.022 χ^2/NDF : 4322560.5/59

All: 180.476 $\pm$ 0.015 χ^2/NDF : 8989606.8/120

- sign 176.935 $\pm$ 0.021 χ^2/NDF : 4610308.4/60

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.738 $\pm$ 4.985 χ^2/NDF : 28.4/34

Left Out: 7.990 $\pm$ 5.327 χ^2/NDF : 37.4/24

Right Out: -14.771 $\pm$ 4.904 χ^2/NDF : 36.3/37

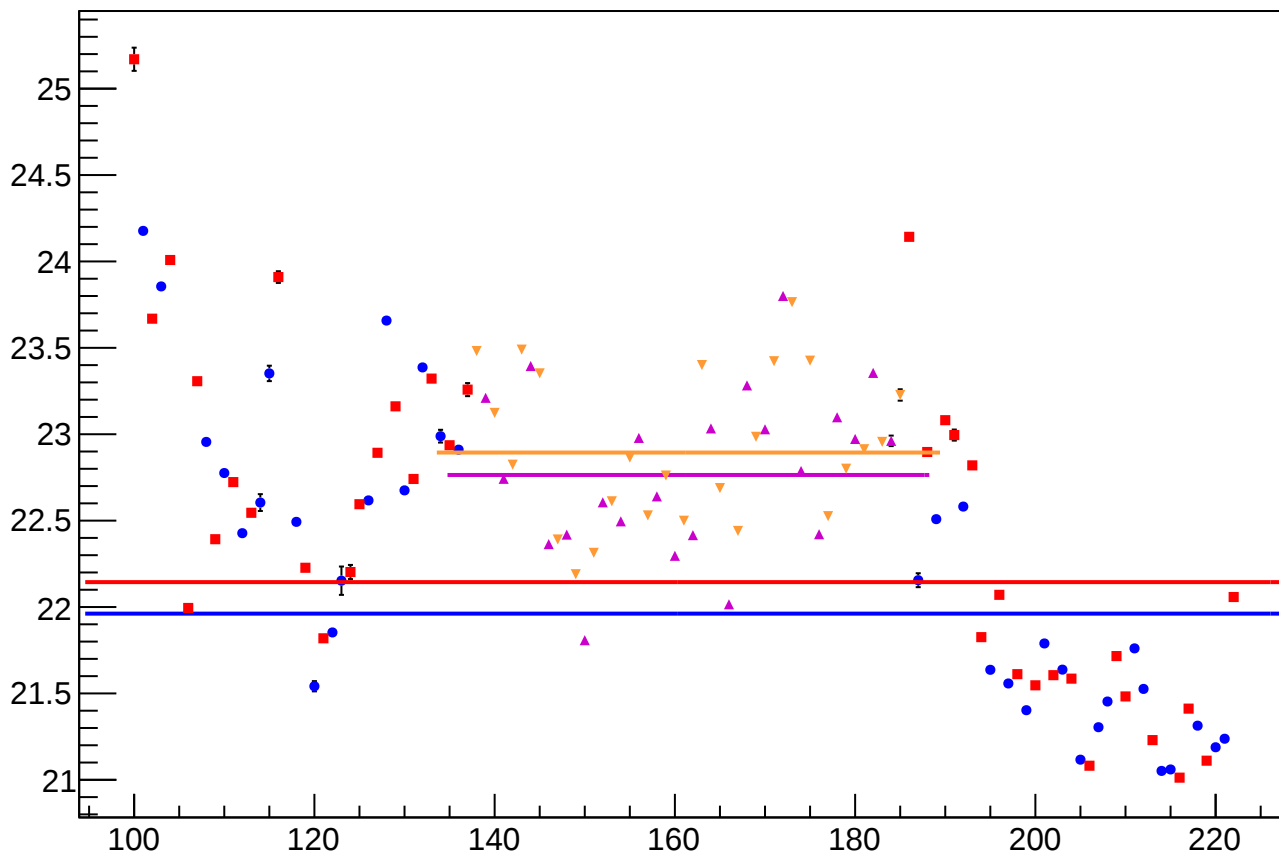
Left In: -4.973 $\pm$ 5.444 χ^2/NDF : 20.5/22

+ sign 2.270 $\pm$ 3.640 χ^2/NDF : 68.0/59

All: -4.049 $\pm$ 2.575 χ^2/NDF : 132.6/120

- sign -10.383 $\pm$ 3.644 χ^2/NDF : 58.6/60

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.962+/-0.004 χ^2/NDF : 55282.8/34

Left Out: 22.894+/-0.004 χ^2/NDF : 13070.5/24

Right Out: 22.144+/-0.003 χ^2/NDF : 59169.5/37

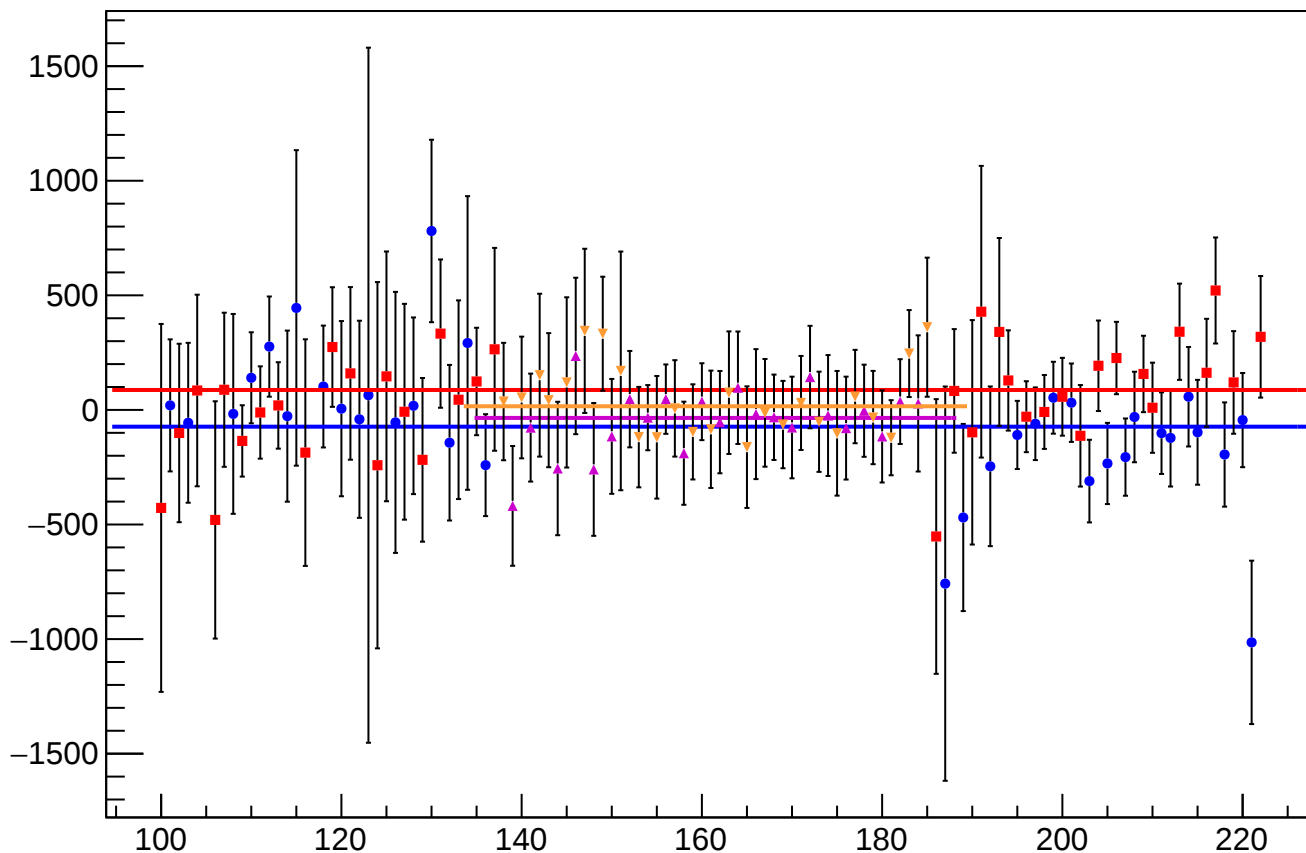
Left In: 22.764+/-0.004 χ^2/NDF : 14665.7/22

+ sign 22.397+/-0.003 χ^2/NDF : 101011.5/59

All: 22.409+/-0.002 χ^2/NDF : 189219.5/120

- sign 22.422+/-0.003 χ^2/NDF : 88161.6/60

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -73.146 ± 40.852 χ^2/NDF : 24.4/34

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 87.037 ± 40.546 χ^2/NDF : 17.9/37

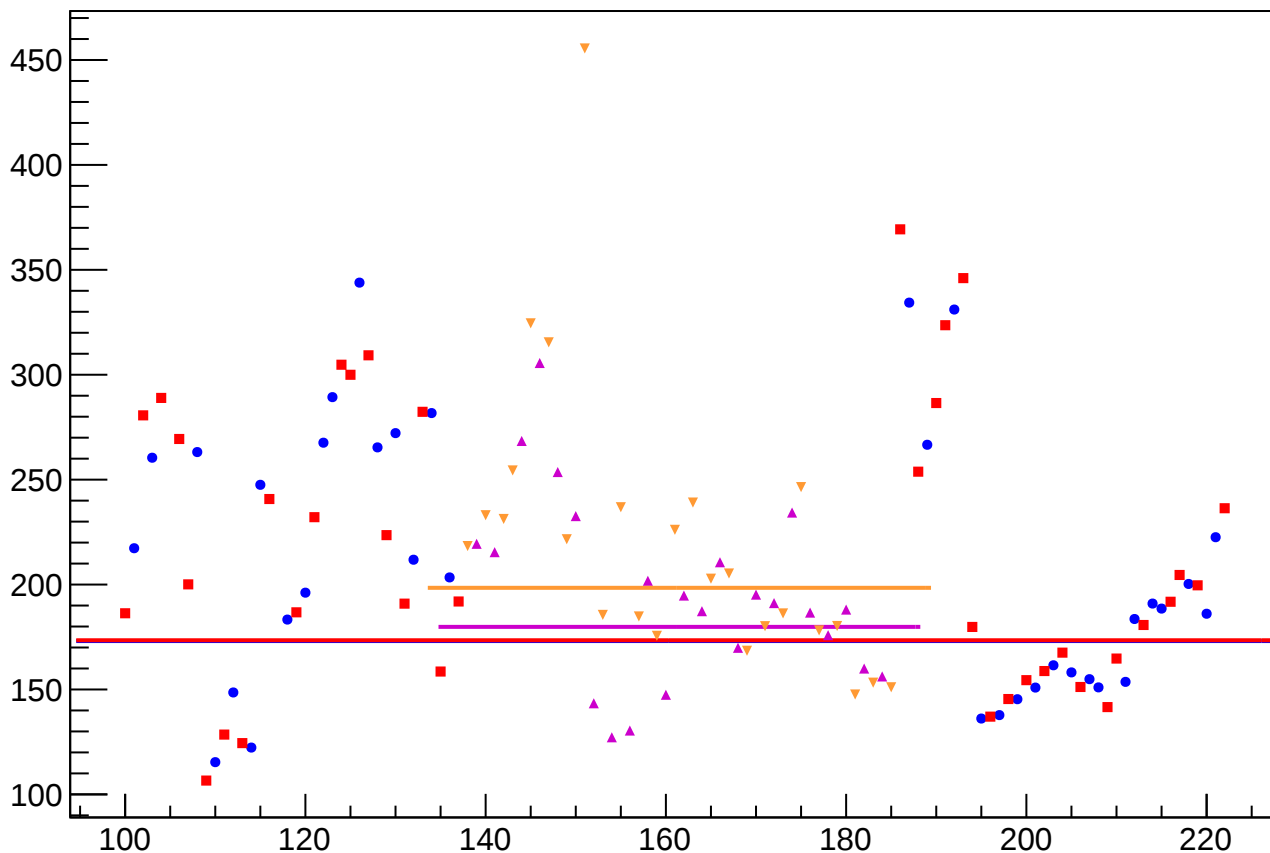
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign -35.647 ± 31.082 χ^2/NDF : 34.8/59

All: -0.571 ± 21.628 χ^2/NDF : 65.8/120

- sign 32.352 ± 30.114 χ^2/NDF : 28.5/60

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.075+/-0.029 χ^2/NDF : 2272682.4/34

Left Out: 198.450+/-0.034 χ^2/NDF : 1761433.9/24

Right Out: 173.454+/-0.029 χ^2/NDF : 3070950.2/37

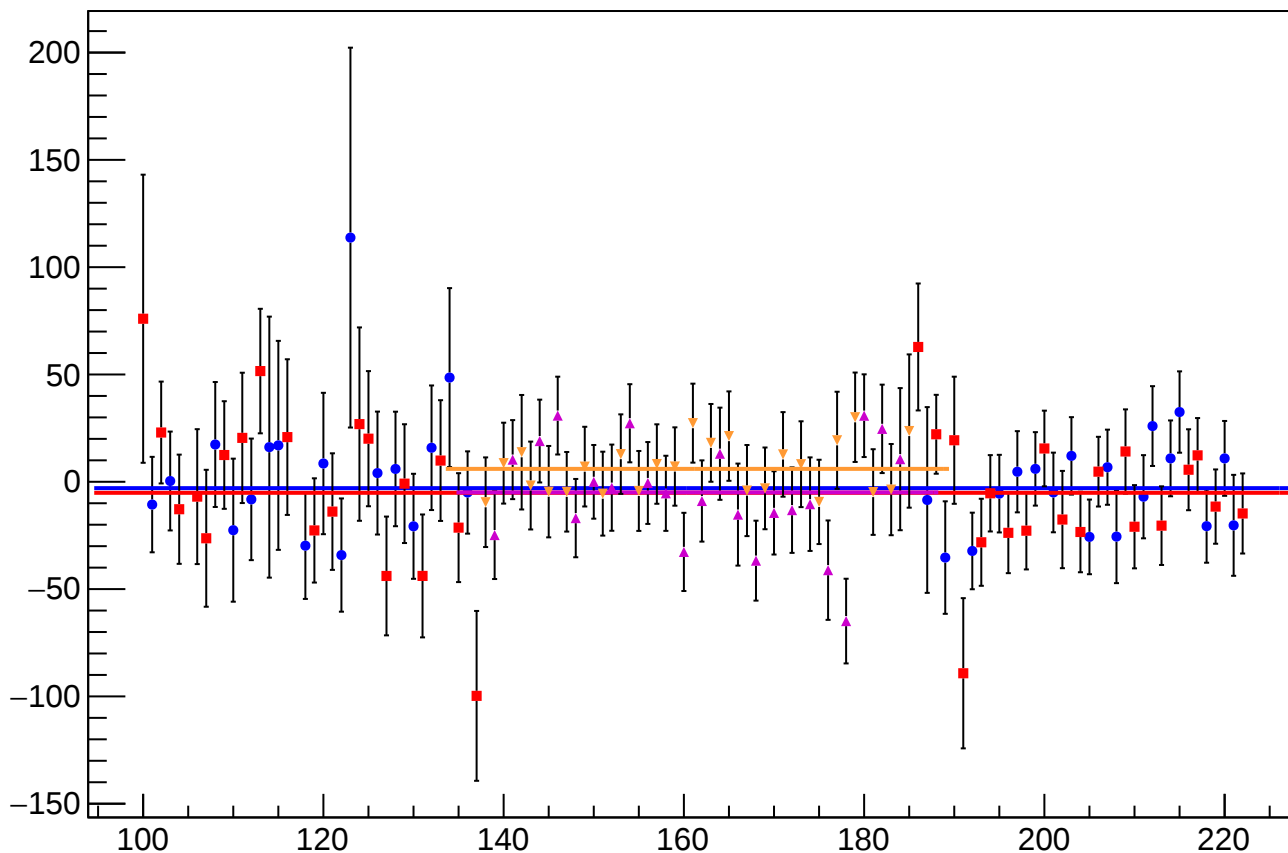
Left In: 179.839+/-0.032 χ^2/NDF : 1588834.3/22

+ sign 183.761+/-0.022 χ^2/NDF : 4359038.9/59

All: 179.921+/-0.015 χ^2/NDF : 9100221.9/120

- sign 176.317+/-0.021 χ^2/NDF : 4682021.1/60

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.963 ± 3.781 χ^2/NDF : 25.7/34

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -5.135 ± 3.729 χ^2/NDF : 45.2/37

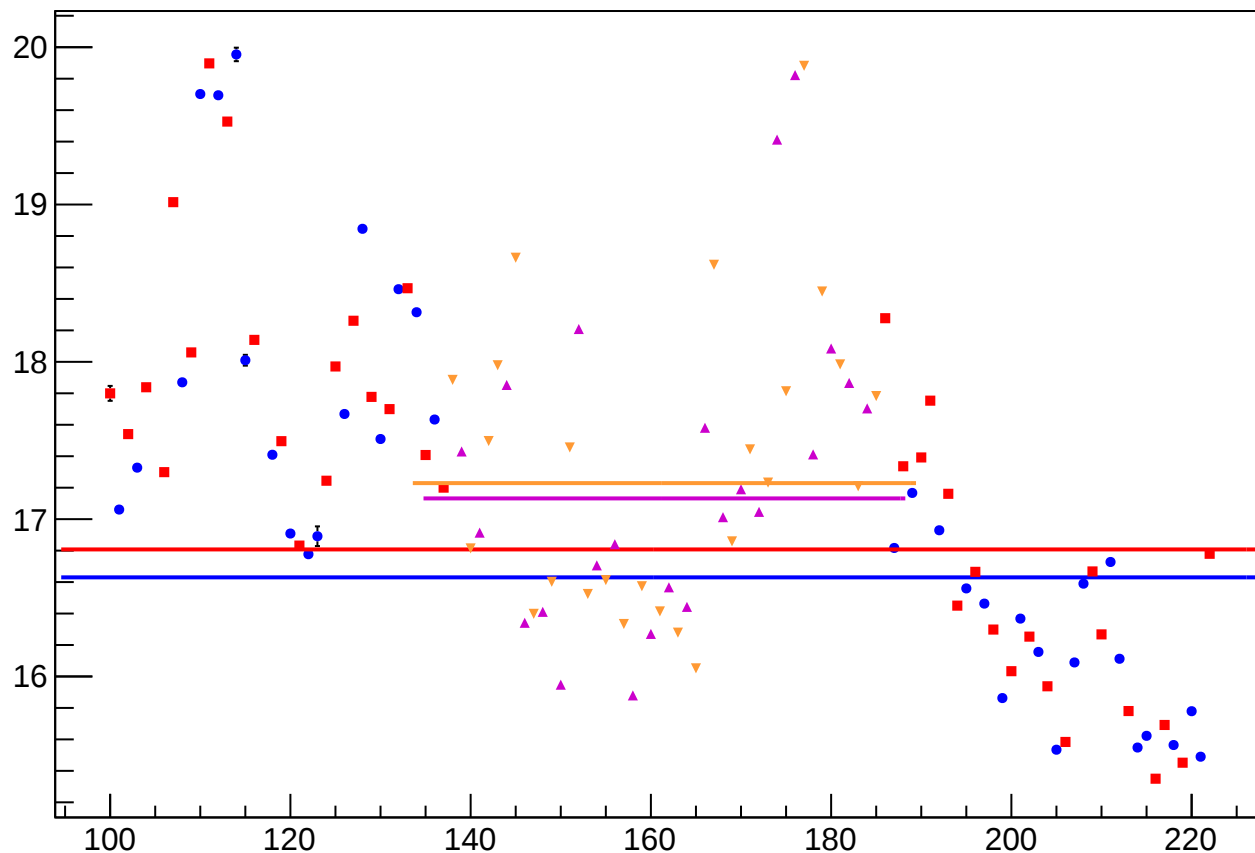
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.256 ± 2.753 χ^2/NDF : 36.5/59

All: -1.887 ± 1.949 χ^2/NDF : 119.1/120

- sign -5.048 ± 2.761 χ^2/NDF : 80.0/60

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.630 $\pm$ 0.003 χ^2/NDF : 141442.7/34

Left Out: 17.229 $\pm$ 0.003 χ^2/NDF : 98624.7/24

Right Out: 16.808 $\pm$ 0.003 χ^2/NDF : 157464.0/37

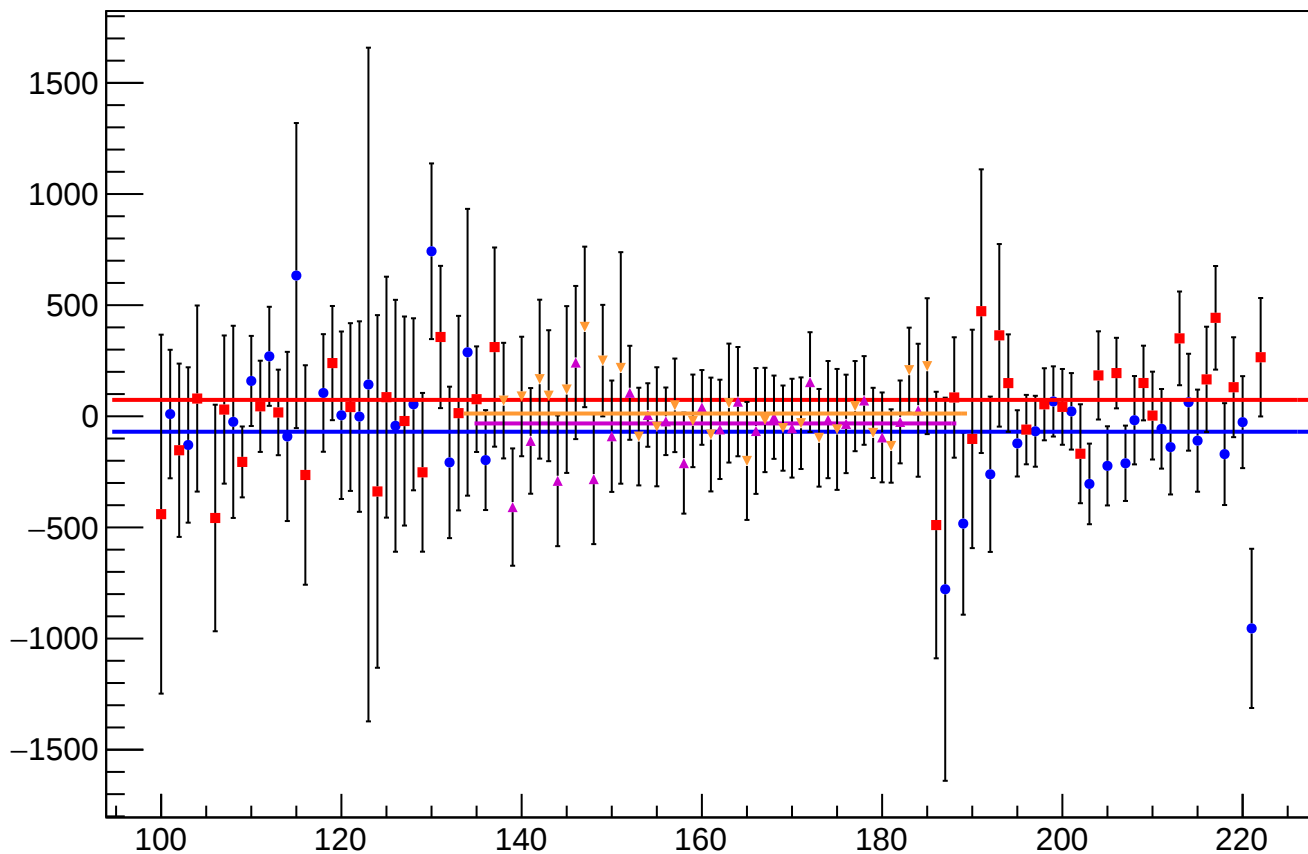
Left In: 17.132 $\pm$ 0.003 χ^2/NDF : 103997.3/22

+ sign 16.911 $\pm$ 0.002 χ^2/NDF : 263657.9/59

All: 16.933 $\pm$ 0.001 χ^2/NDF : 532192.9/120

- sign 16.954 $\pm$ 0.002 χ^2/NDF : 268295.6/60

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -69.483 ± 41.091 χ^2/NDF : 23.6/34

Left Out: 12.474 ± 48.086 χ^2/NDF : 6.8/24

Right Out: 73.823 ± 40.819 χ^2/NDF : 18.3/37

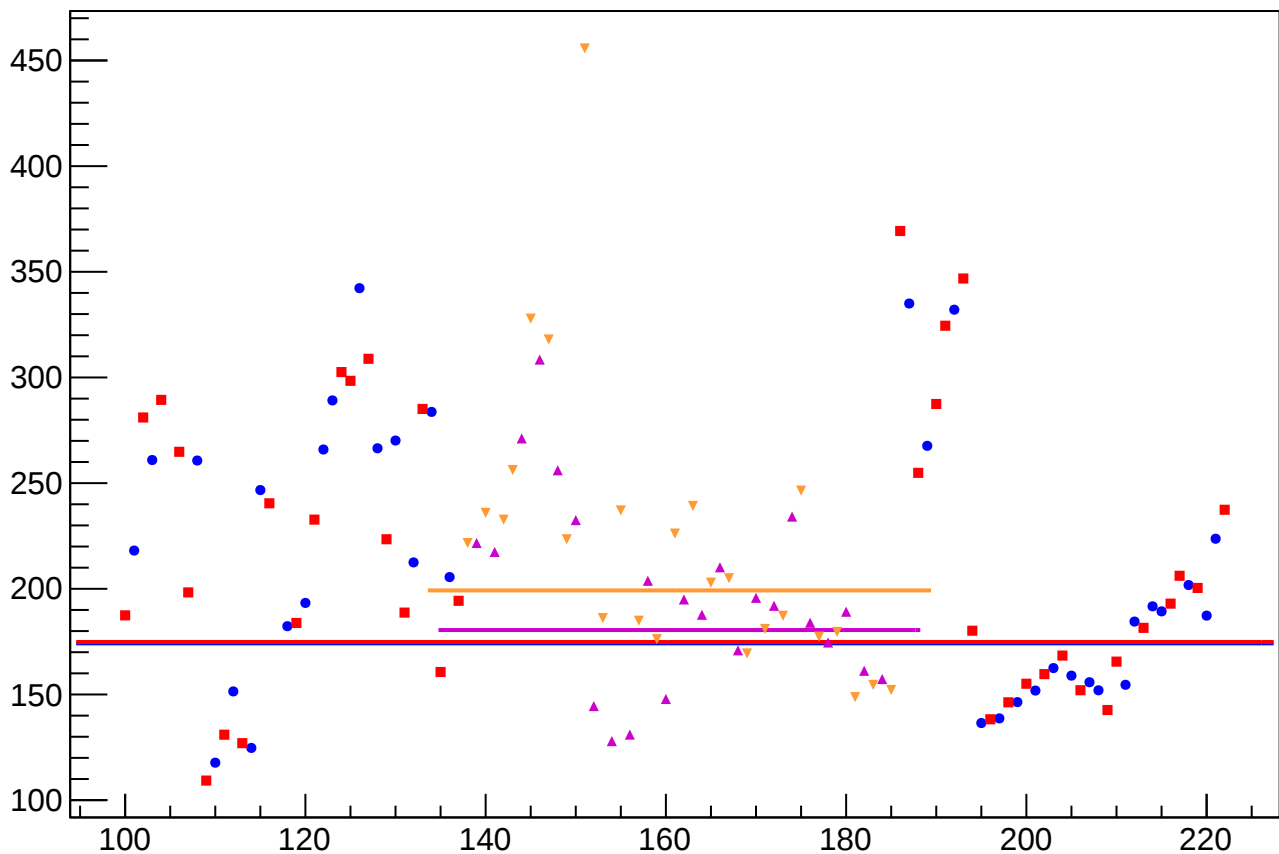
Left In: -32.159 ± 45.131 χ^2/NDF : 6.9/22

+ sign -34.894 ± 31.239 χ^2/NDF : 32.1/59

All: -3.421 ± 21.740 χ^2/NDF : 62.4/120

- sign 26.136 ± 30.273 χ^2/NDF : 28.3/60

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.200 $\pm$ 0.029 χ^2 /NDF: 2222863.1/34

Left Out: 199.241 $\pm$ 0.034 χ^2 /NDF: 1764097.7/24

Right Out: 174.854 $\pm$ 0.029 χ^2 /NDF: 2973345.9/37

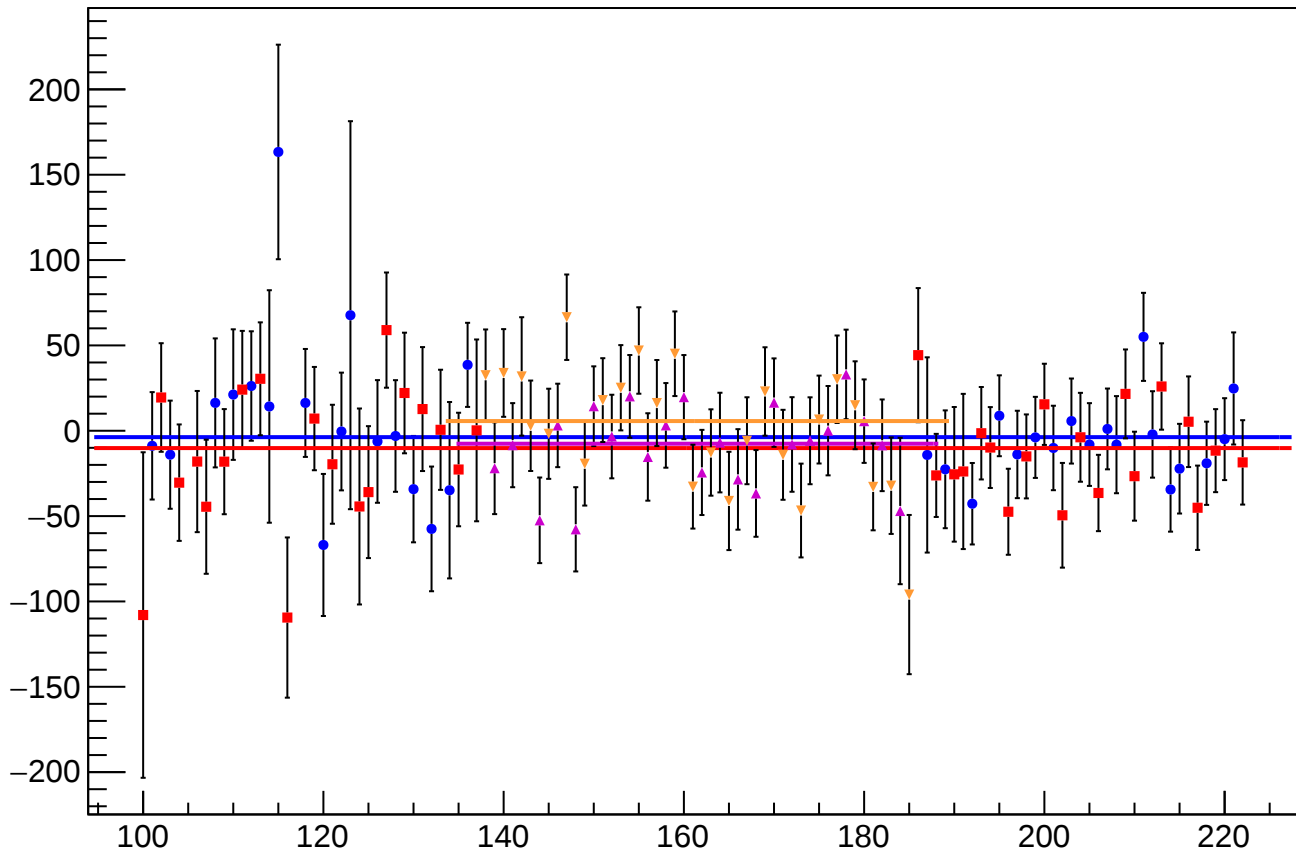
Left In: 180.494 $\pm$ 0.032 χ^2 /NDF: 1593784.1/22

+ sign 184.769 $\pm$ 0.022 χ^2 /NDF: 4300428.7/59

All: 180.964 $\pm$ 0.015 χ^2 /NDF: 8942247.7/120

- sign 177.392 $\pm$ 0.021 χ^2 /NDF: 4584306.8/60

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.743 ± 5.045 χ^2/NDF : 30.5/34

Left Out: 5.673 ± 5.278 χ^2/NDF : 36.4/24

Right Out: -10.156 ± 4.946 χ^2/NDF : 32.6/37

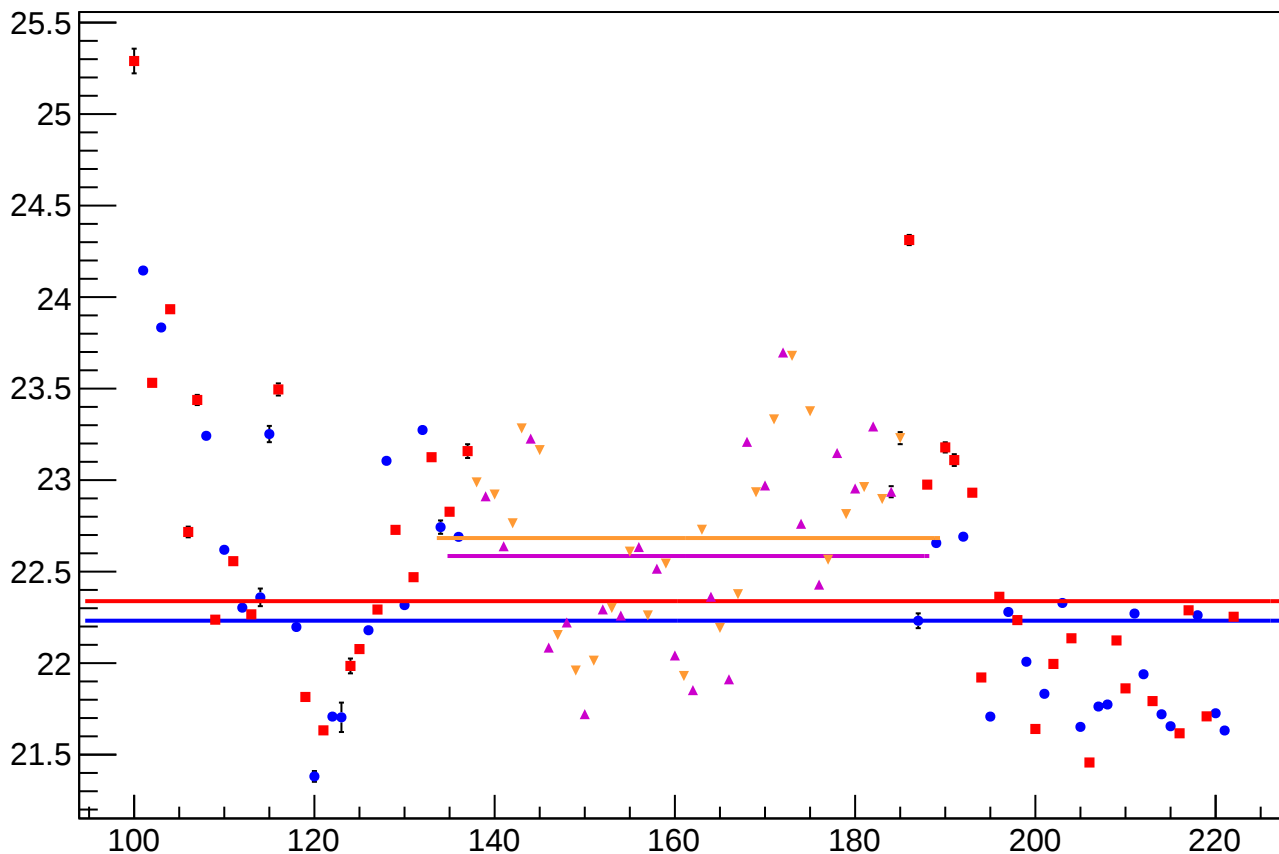
Left In: -7.594 ± 5.402 χ^2/NDF : 18.3/22

+ sign 0.753 ± 3.647 χ^2/NDF : 68.6/59

All: -4.116 ± 2.579 χ^2/NDF : 123.2/120

- sign -8.987 ± 3.648 χ^2/NDF : 51.0/60

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.232 $\pm$ 0.004 χ^2 /NDF: 28851.5/34

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.339 $\pm$ 0.003 χ^2 /NDF: 35226.0/37

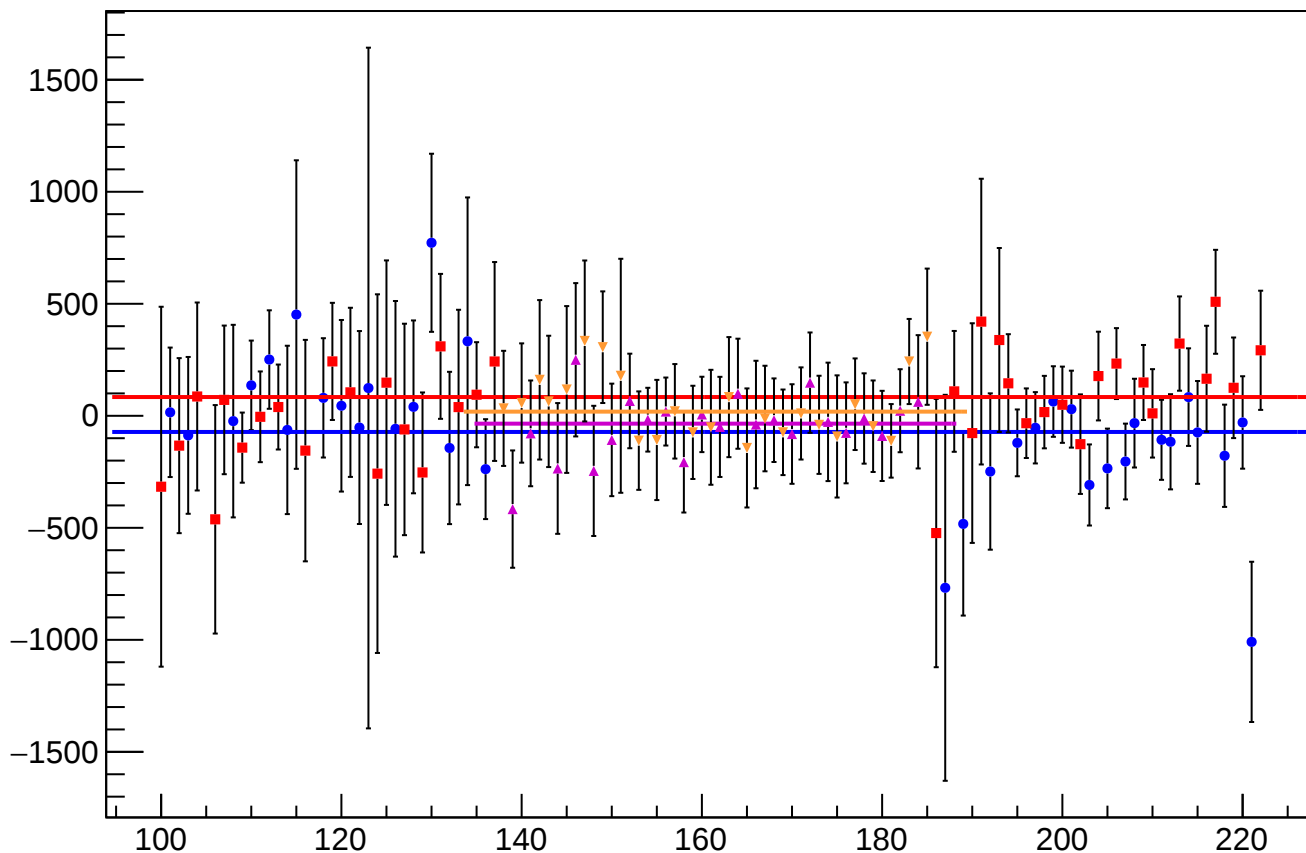
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.447 $\pm$ 0.003 χ^2 /NDF: 52819.4/59

All: 22.449 $\pm$ 0.002 χ^2 /NDF: 108401.5/120

- sign 22.451 $\pm$ 0.003 χ^2 /NDF: 55581.1/60

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -72.099 ± 40.977 χ^2/NDF : 24.0/34

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 83.760 ± 40.656 χ^2/NDF : 16.8/37

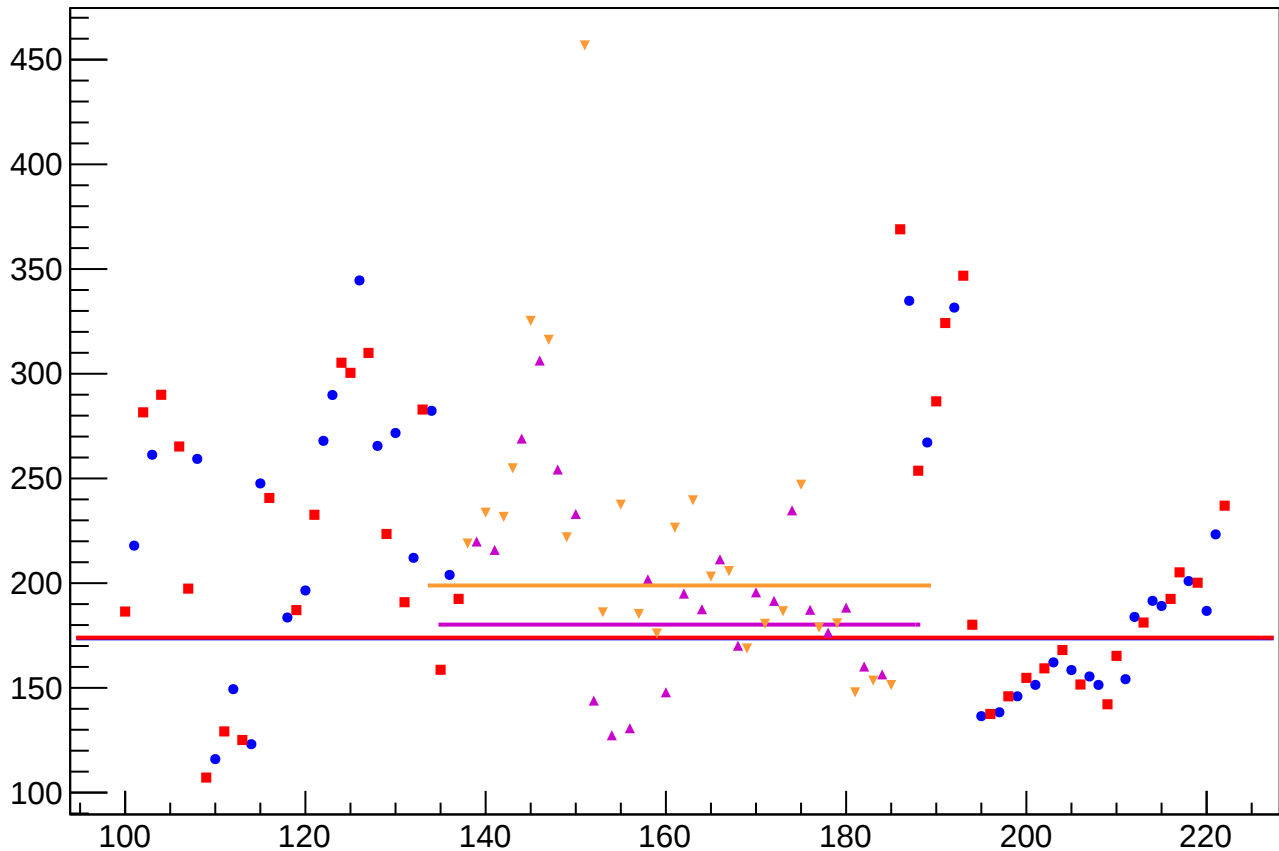
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign -33.856 ± 31.167 χ^2/NDF : 33.7/59

All: -0.676 ± 21.683 χ^2/NDF : 62.8/120

- sign 30.448 ± 30.186 χ^2/NDF : 26.9/60

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.649 $\pm$ 0.029 χ^2 /NDF: 2253810.9/34

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 173.983 $\pm$ 0.029 χ^2 /NDF: 3045048.7/37

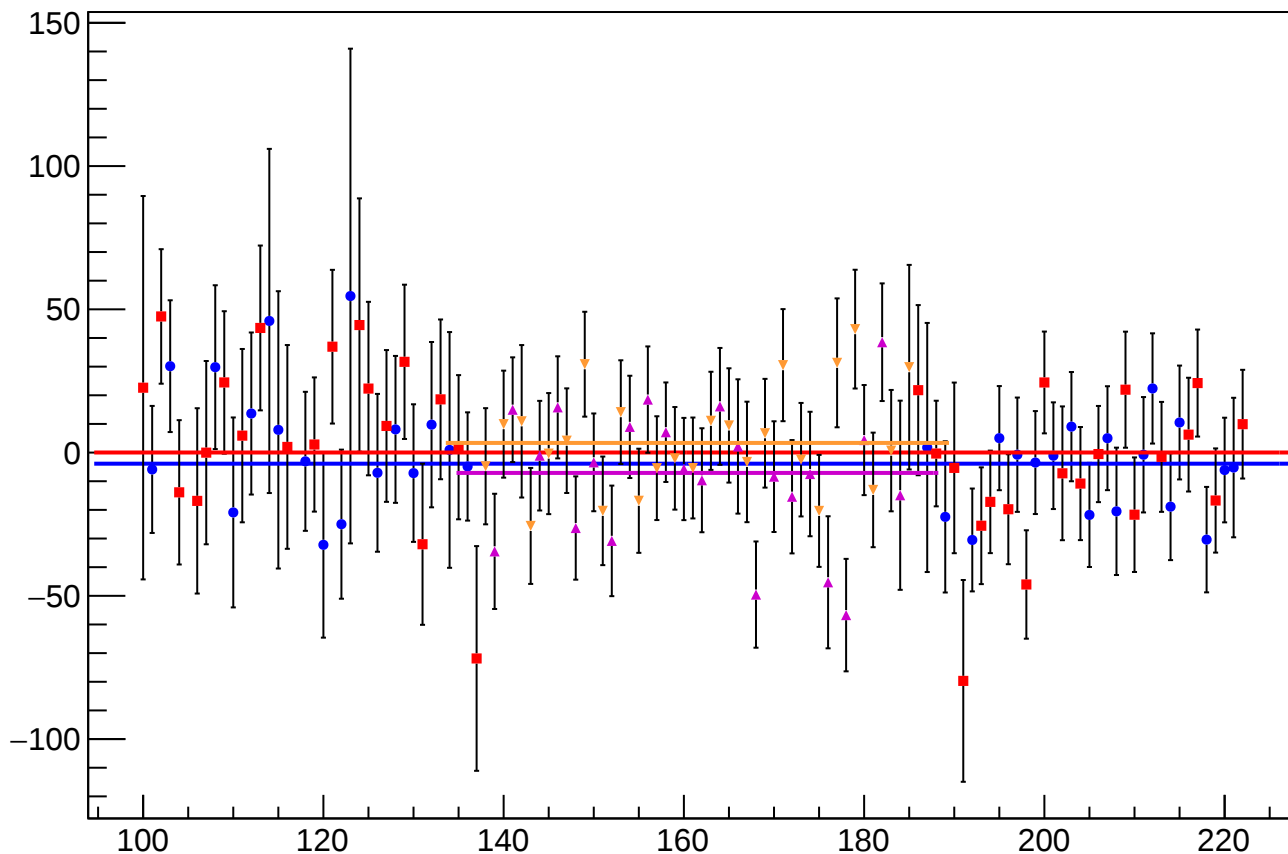
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 184.288 $\pm$ 0.022 χ^2 /NDF: 4336134.6/59

All: 180.412 $\pm$ 0.015 χ^2 /NDF: 9051173.3/120

- sign 176.776 $\pm$ 0.021 χ^2 /NDF: 4655085.0/60

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.876 ± 3.861 χ^2/NDF : 17.7/34

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: 0.027 ± 3.788 χ^2/NDF : 40.9/37

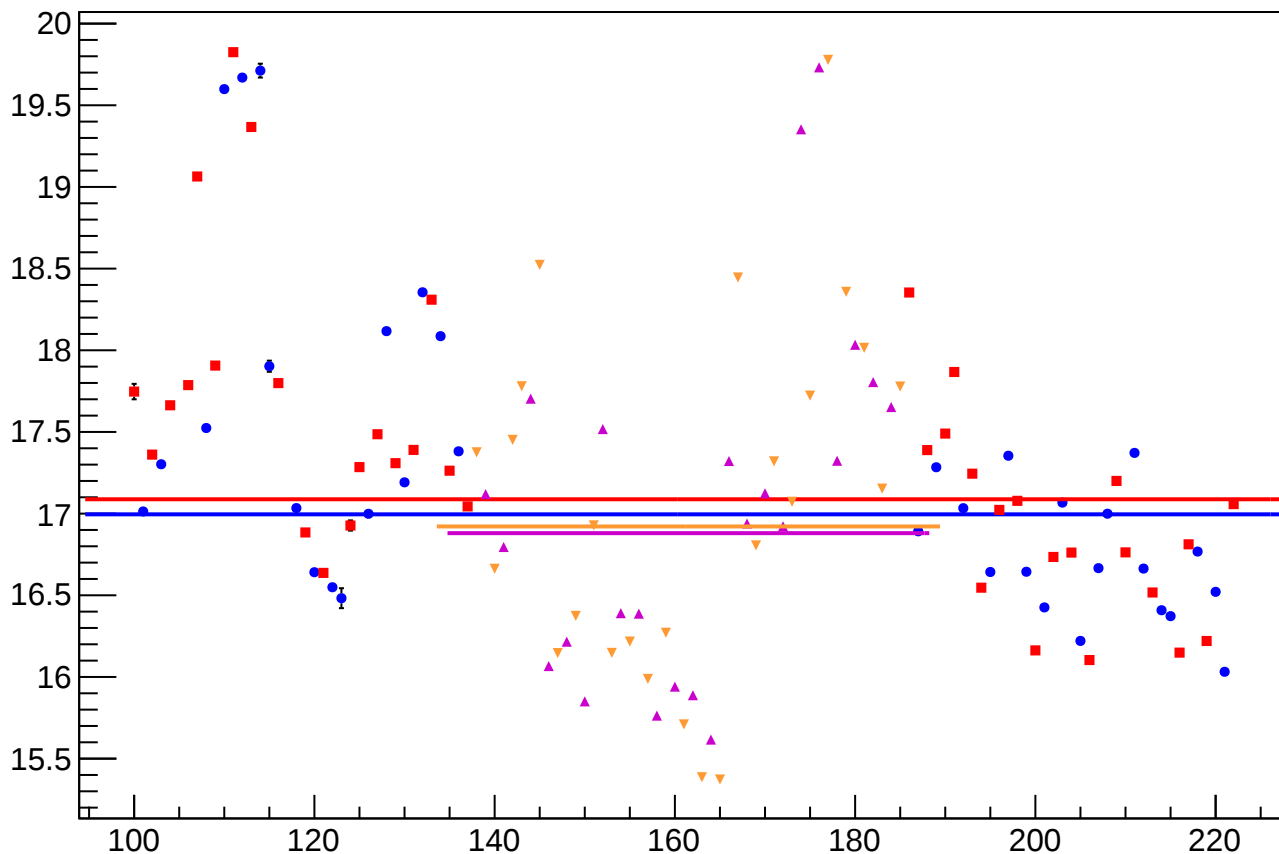
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign -0.332 ± 2.760 χ^2/NDF : 38.2/59

All: -1.813 ± 1.954 χ^2/NDF : 113.9/120

- sign -3.301 ± 2.766 χ^2/NDF : 75.1/60

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 16.996 $\pm$ 0.003 χ^2 /NDF: 66240.4/34

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF: 138990.4/24

Right Out: 17.088 $\pm$ 0.003 χ^2 /NDF: 80174.8/37

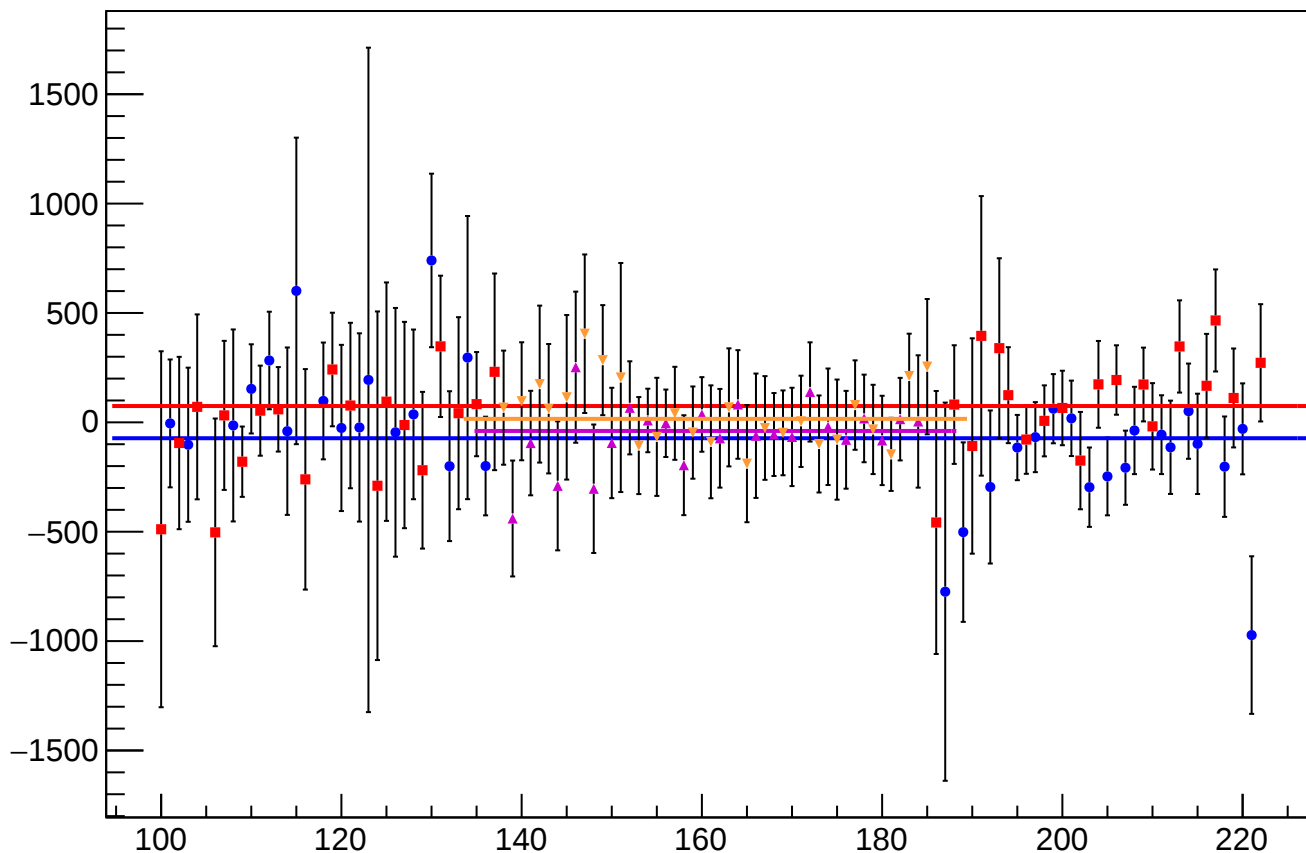
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF: 121736.1/22

+ sign 16.959 $\pm$ 0.002 χ^2 /NDF: 205591.7/59

All: 16.975 $\pm$ 0.001 χ^2 /NDF: 410433.9/120

- sign 16.991 $\pm$ 0.002 χ^2 /NDF: 204711.1/60

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -72.630 ± 41.202 χ^2/NDF : 23.7/34

Left Out: 15.970 ± 48.503 χ^2/NDF : 7.4/24

Right Out: 74.559 ± 40.950 χ^2/NDF : 17.7/37

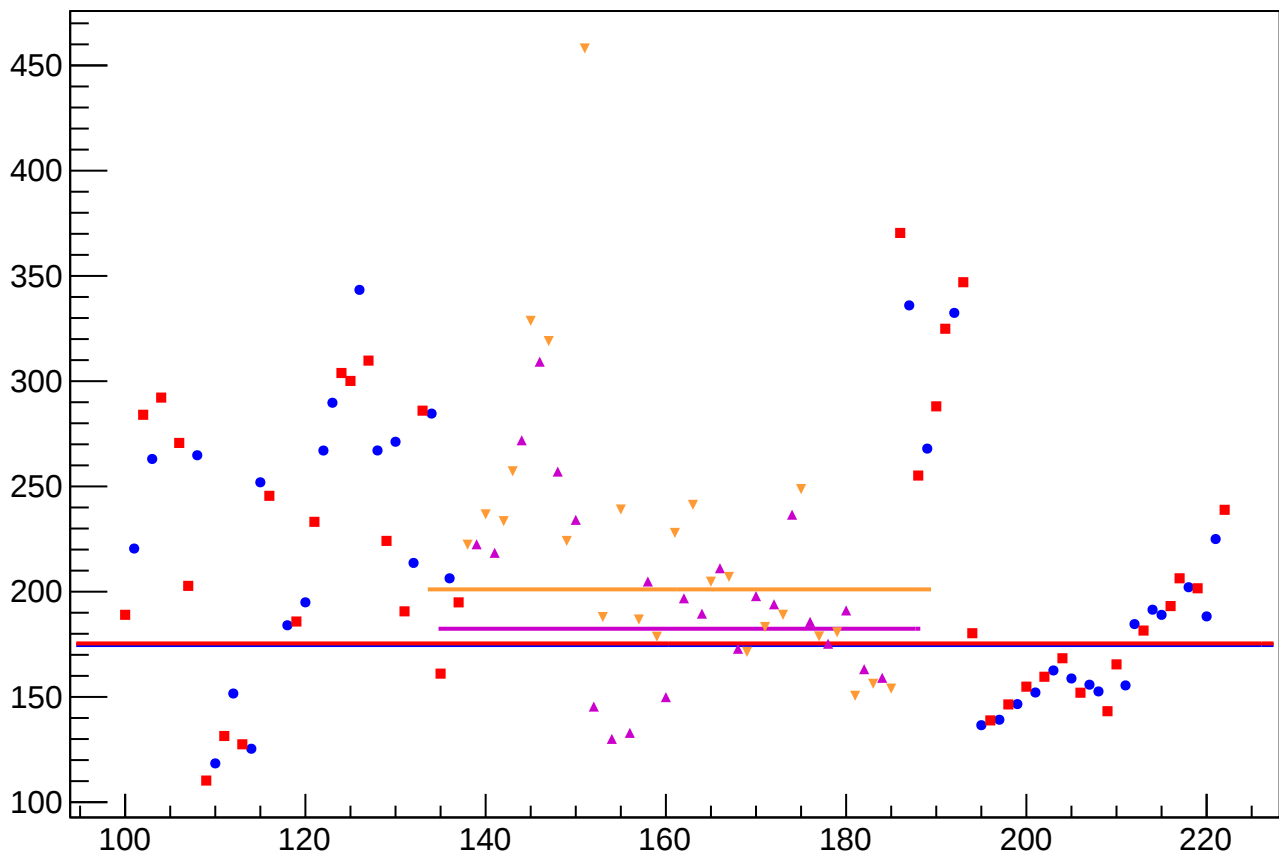
Left In: -39.377 ± 45.571 χ^2/NDF : 6.9/22

+ sign -35.494 ± 31.402 χ^2/NDF : 33.0/59

All: -5.016 ± 21.863 χ^2/NDF : 62.8/120

- sign 23.659 ± 30.459 χ^2/NDF : 28.0/60

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 174.649 $\pm$ 0.029 χ^2 /NDF: 2236426.7/34

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 175.414 $\pm$ 0.029 χ^2 /NDF: 2985091.2/37

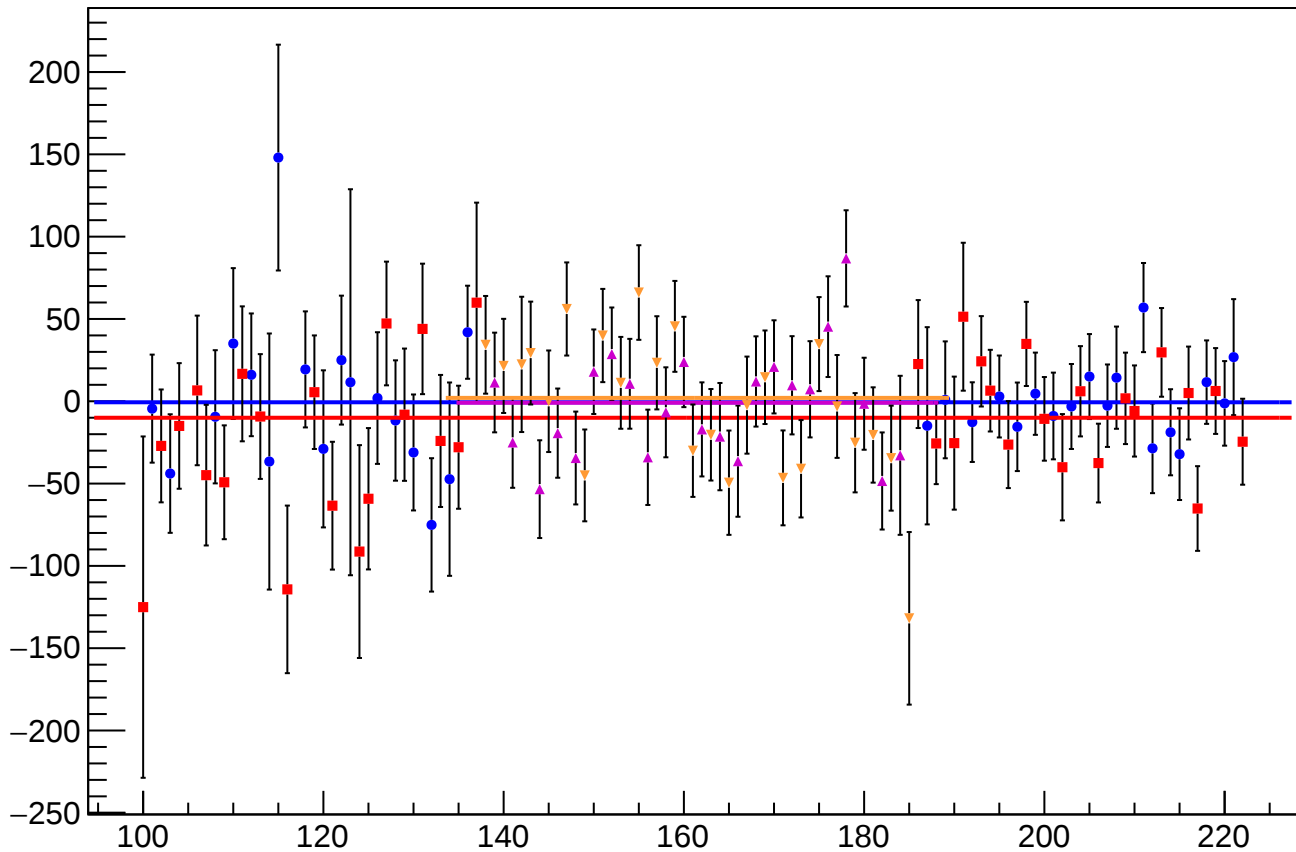
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 185.732 $\pm$ 0.022 χ^2 /NDF: 4312760.7/59

All: 182.023 $\pm$ 0.015 χ^2 /NDF: 8926896.6/120

- sign 178.533 $\pm$ 0.022 χ^2 /NDF: 4559975.9/60

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.613 ± 5.425 χ^2/NDF : 25.0/34

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -10.016 ± 5.298 χ^2/NDF : 38.1/37

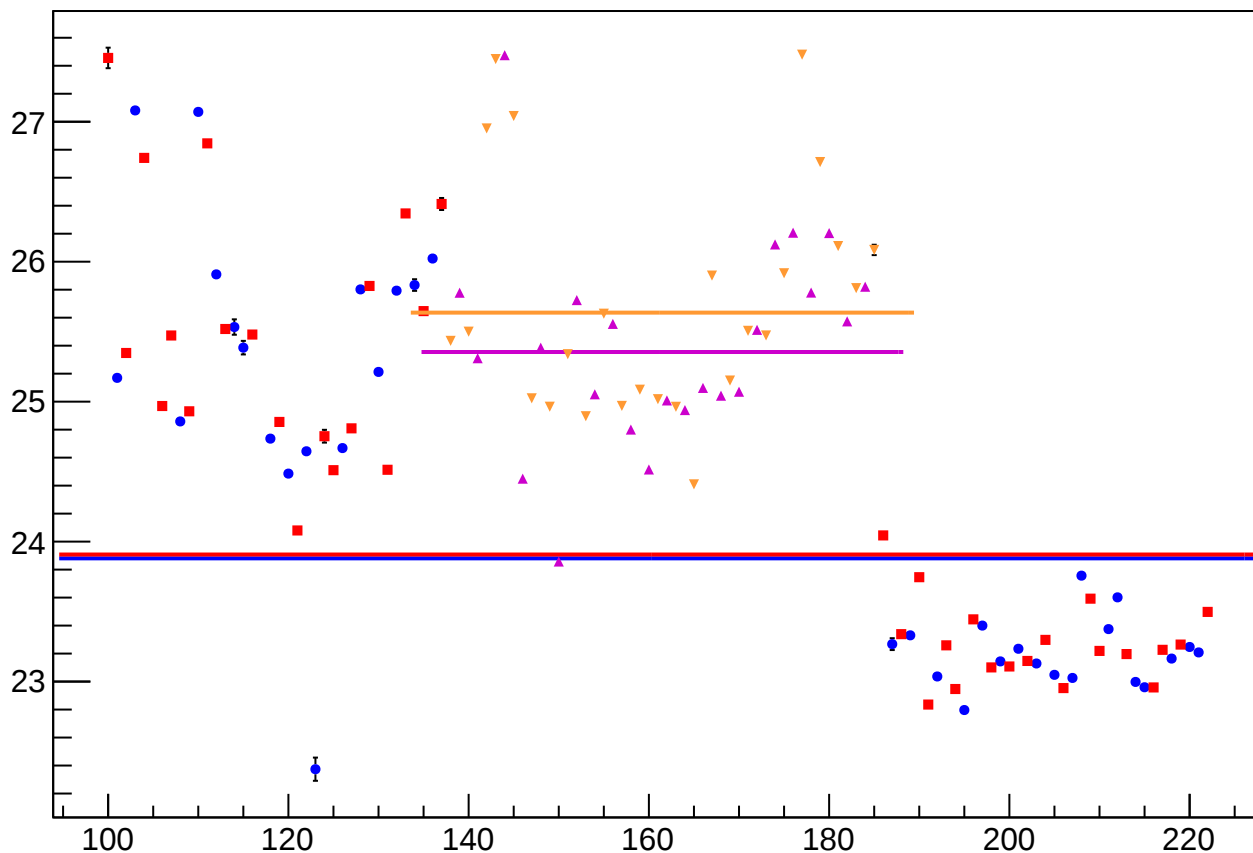
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 0.593 ± 4.015 χ^2/NDF : 64.6/59

All: -2.760 ± 2.831 χ^2/NDF : 132.4/120

- sign -6.074 ± 3.991 χ^2/NDF : 66.5/60

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.880 ± 0.004 $\chi^2/\text{NDF}: 92983.8/34$

Left Out: 25.636 ± 0.004 $\chi^2/\text{NDF}: 35130.7/24$

Right Out: 23.908 ± 0.004 $\chi^2/\text{NDF}: 86315.0/37$

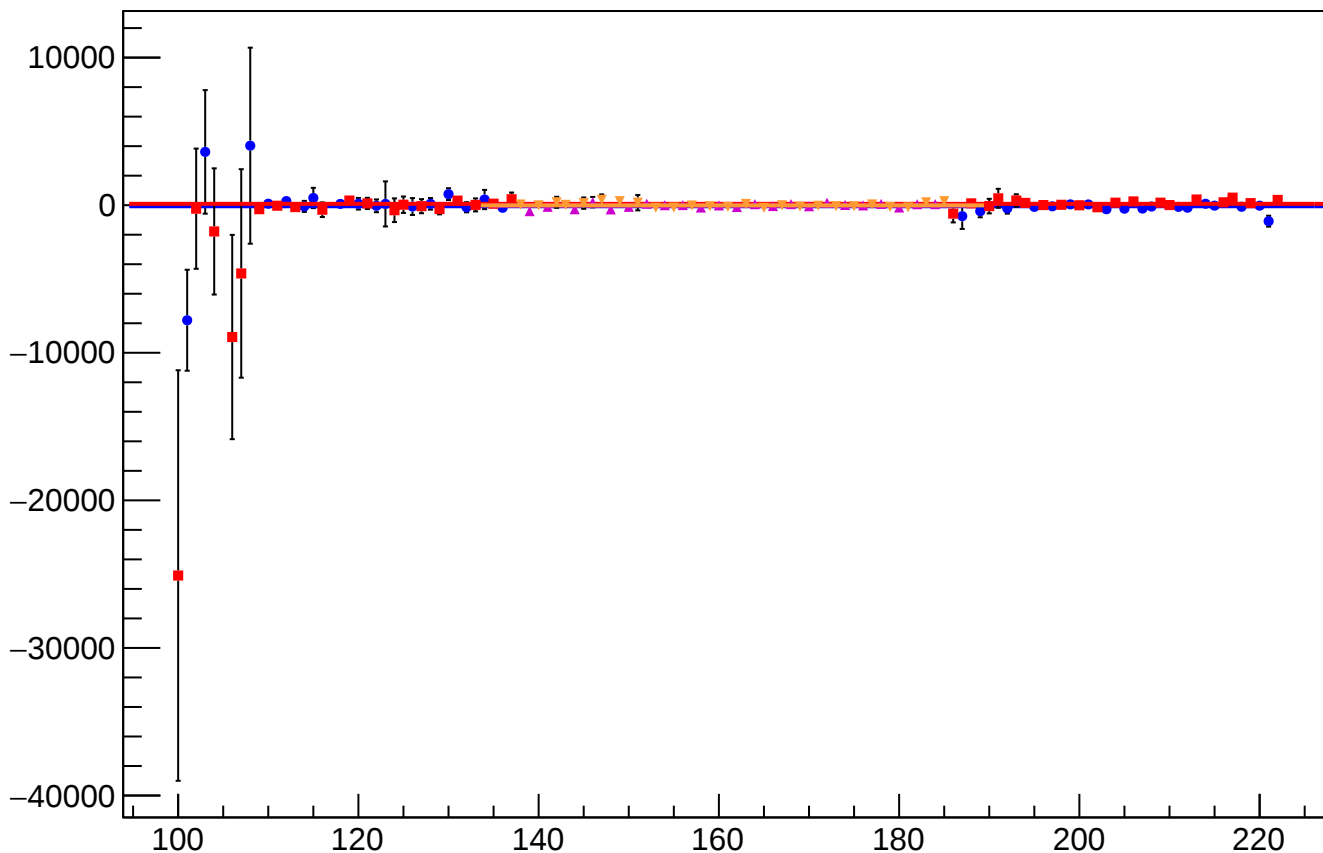
Left In: 25.355 ± 0.004 $\chi^2/\text{NDF}: 29766.2/22$

+ sign 24.674 ± 0.003 $\chi^2/\text{NDF}: 222859.0/59$

All: 24.604 ± 0.002 $\chi^2/\text{NDF}: 404696.5/120$

- sign 24.533 ± 0.003 $\chi^2/\text{NDF}: 180598.1/60$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -71.781 ± 42.901 χ^2/NDF : 29.6/34

Left Out: -12.820 ± 48.216 χ^2/NDF : 7.9/24

Right Out: 91.381 ± 43.234 χ^2/NDF : 25.4/37

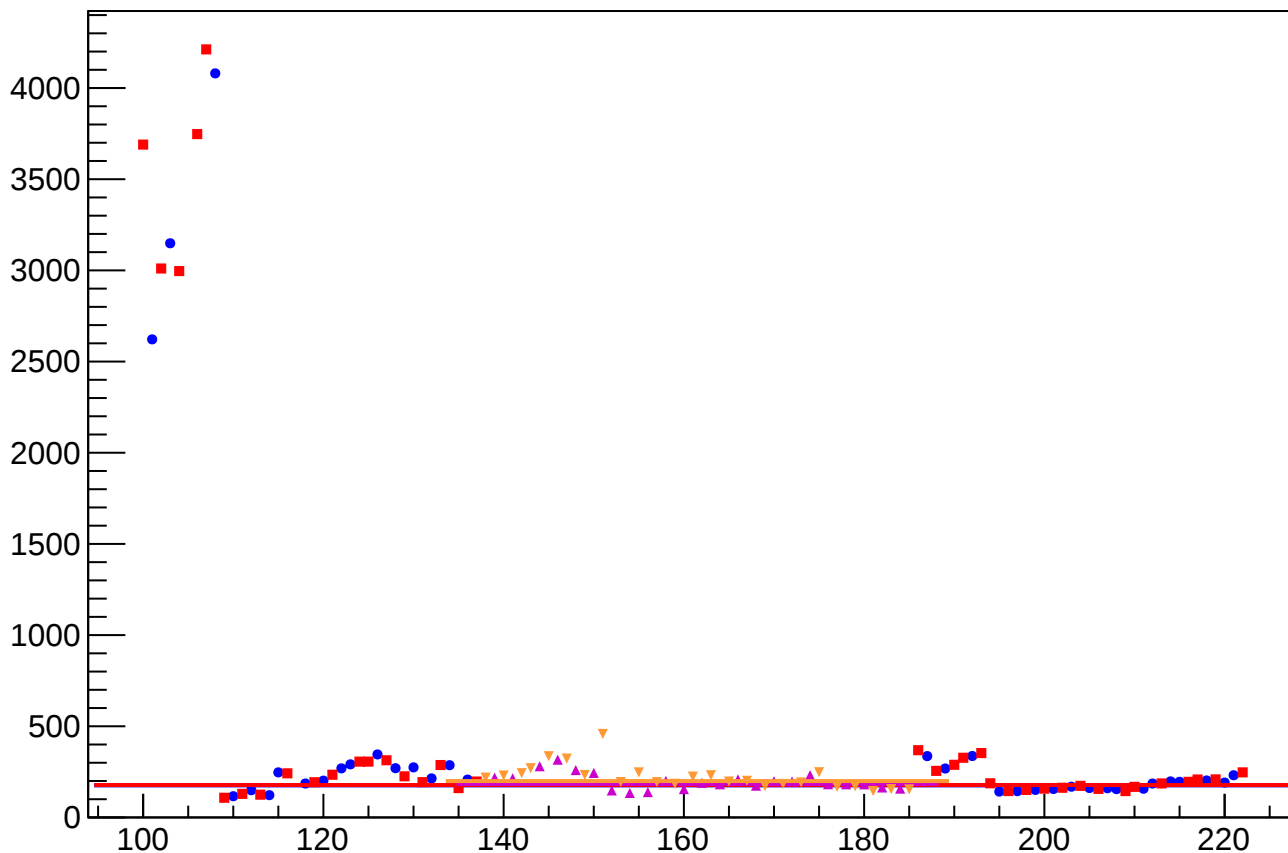
Left In: -26.836 ± 45.876 χ^2/NDF : 7.5/22

+ sign -45.729 ± 32.051 χ^2/NDF : 38.3/59

All: -4.224 ± 22.453 χ^2/NDF : 78.0/120

- sign 35.774 ± 31.464 χ^2/NDF : 36.4/60

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.845 $\pm$ 0.030 χ^2 /NDF: 4656076.2/34

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF:1880548.8/24

Right Out: 177.686 $\pm$ 0.031 χ^2 /NDF: 5630025.0/37

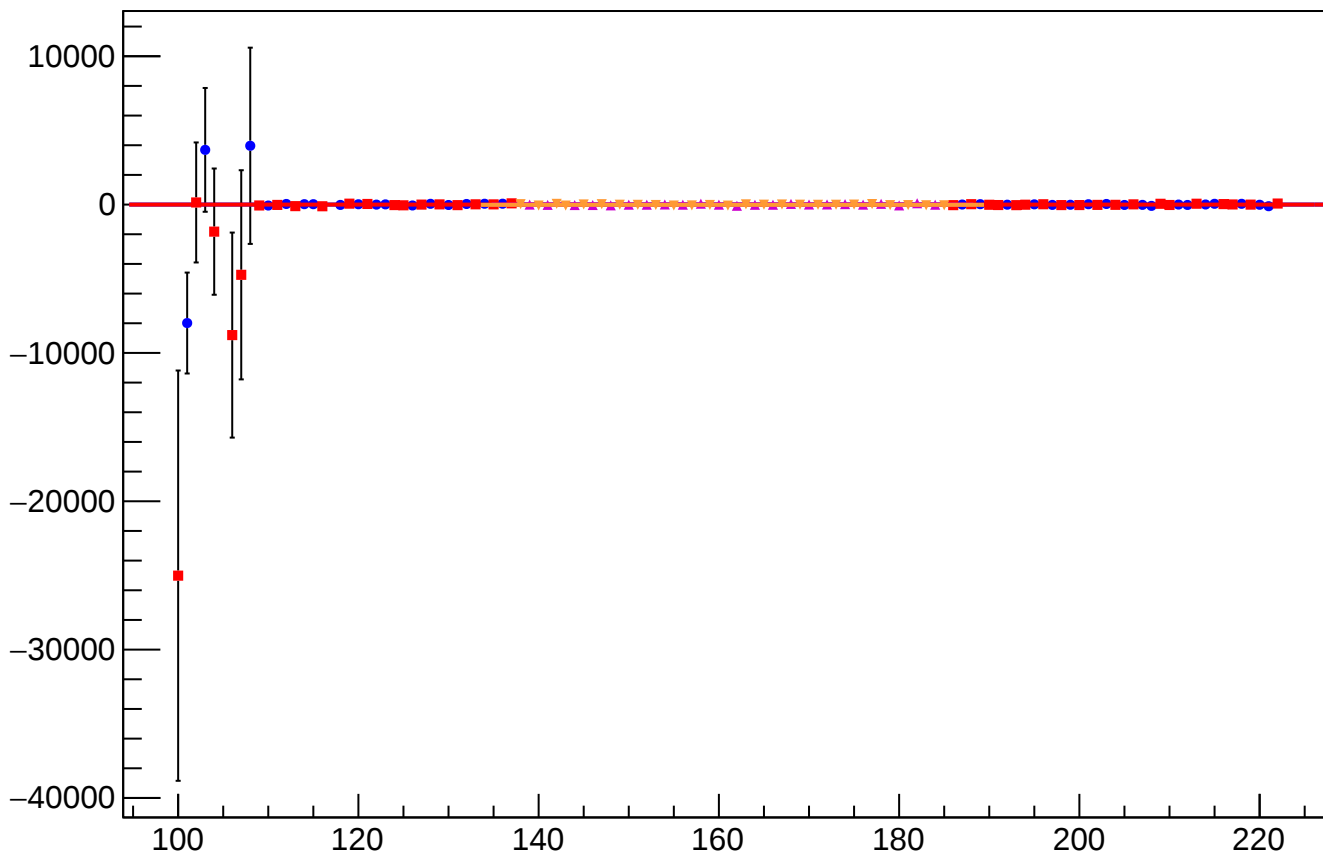
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF:1423454.3/22

+ sign 186.313 $\pm$ 0.023 χ^2 /NDF: 6806104.7/59

All: 183.440 $\pm$ 0.016 χ^2 /NDF: 13911417.9/12

- sign 180.671 $\pm$ 0.022 χ^2 /NDF: 7073747.2/60

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 1.182 $\pm$ 6.508 χ^2 /NDF: 42.6/34

Left Out: -17.580 $\pm$ 6.694 χ^2 /NDF:22.3/24

Right Out: -0.825 $\pm$ 6.481 χ^2 /NDF: 43.9/37

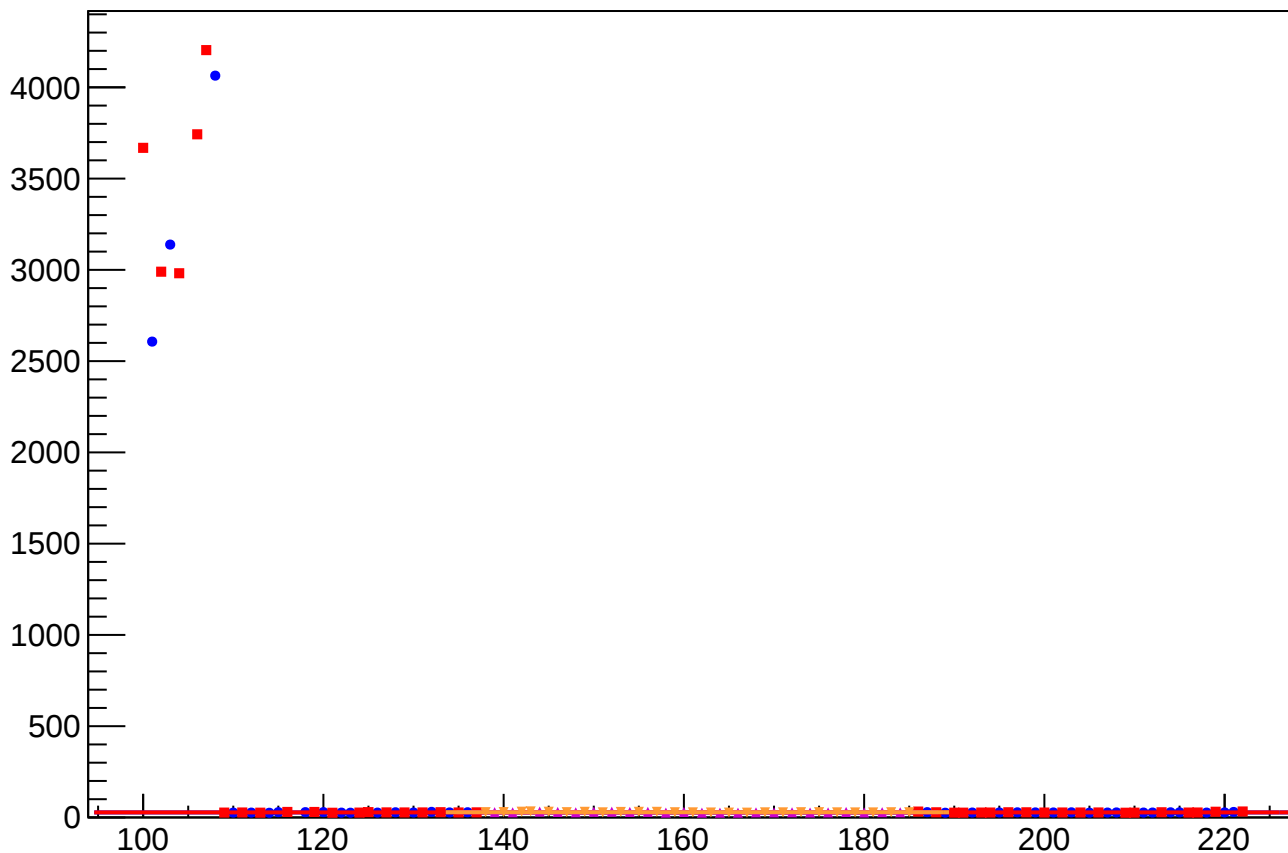
Left In: -1.038 $\pm$ 6.880 χ^2 /NDF:32.4/22

+ sign -7.935 $\pm$ 4.666 χ^2 /NDF: 69.0/59

All: -4.469 $\pm$ 3.318 χ^2 /NDF: 146.4/120

- sign -0.925 $\pm$ 4.718 χ^2 /NDF: 76.3/60

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.523+/-0.005 χ^2/NDF : 3052461.4/34

Left Out: 28.691+/-0.005 χ^2/NDF : 110483.8/24

Right Out: 27.725+/-0.005 χ^2/NDF : 3576133.3/37

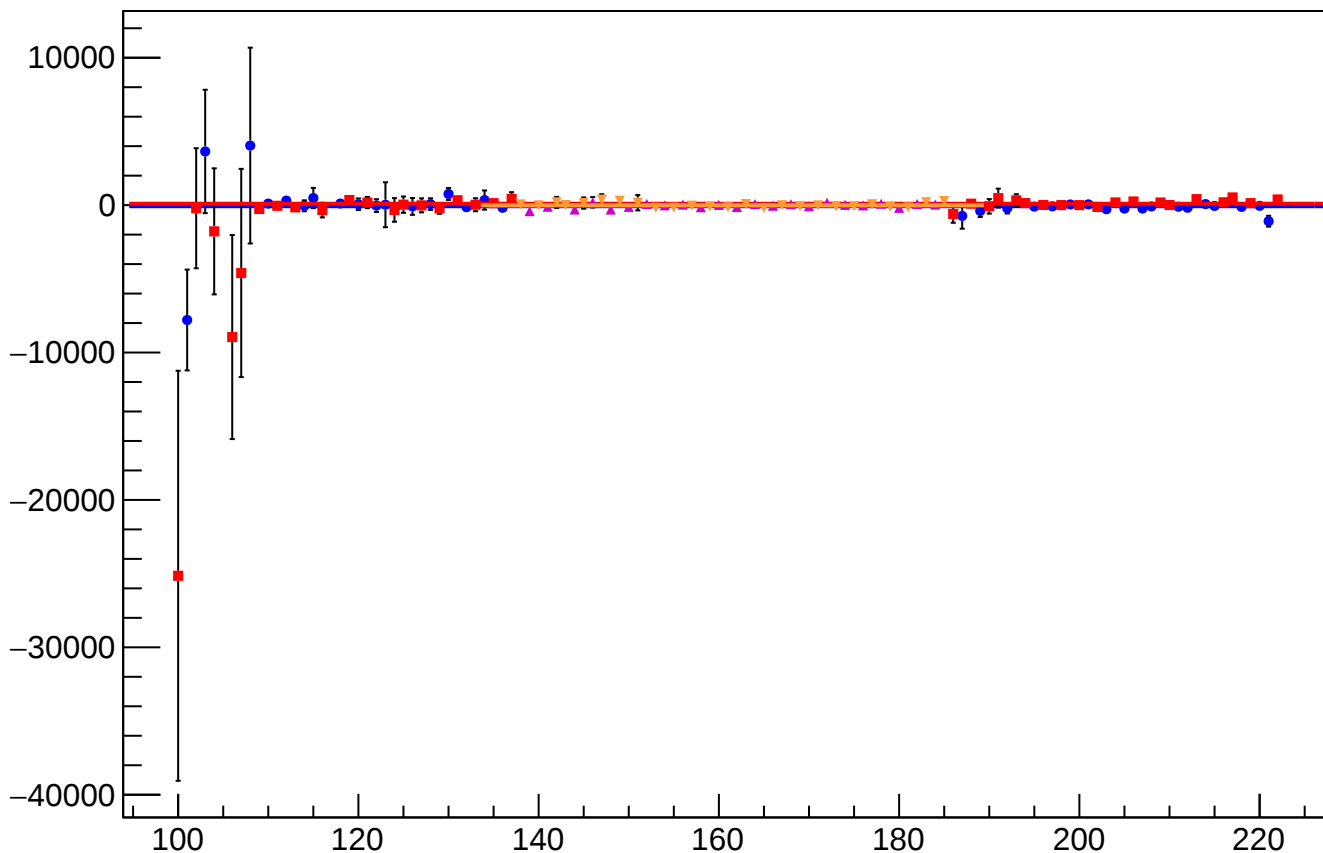
Left In: 28.673+/-0.005 χ^2/NDF : 124751.4/22

+ sign 28.091+/-0.003 χ^2/NDF : 3194225.6/59

All: 28.130+/-0.002 χ^2/NDF : 6915502.2/120

- sign 28.171+/-0.003 χ^2/NDF : 3720985.2/60

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -73.238 $\pm$ 42.769 χ^2 /NDF: 29.9/34

Left Out: -15.483 $\pm$ 48.109 χ^2 /NDF: 8.7/24

Right Out: 94.369 $\pm$ 43.109 χ^2 /NDF: 26.6/37

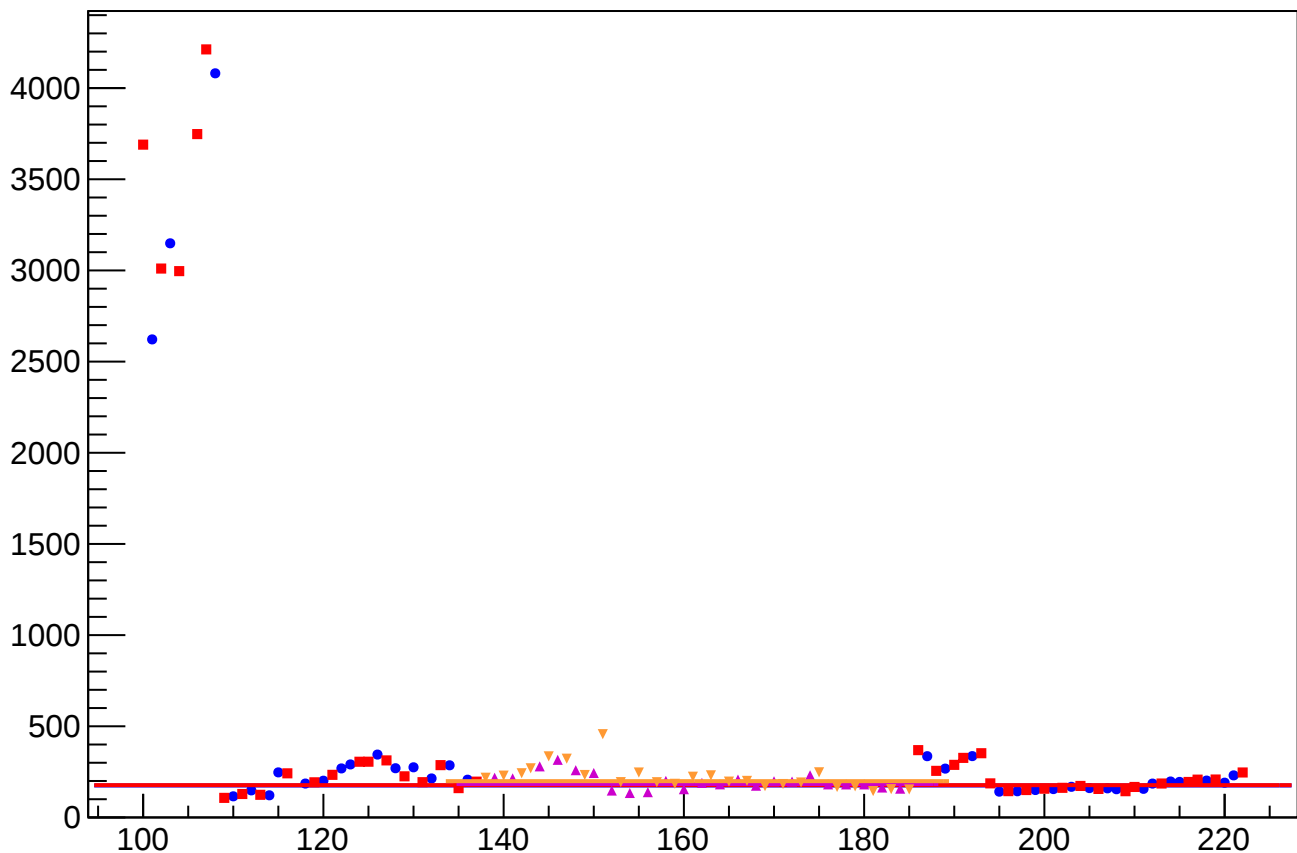
Left In: -27.009 $\pm$ 45.785 χ^2 /NDF: 7.8/22

+ sign -47.742 $\pm$ 31.964 χ^2 /NDF: 39.4/59

All: -4.430 $\pm$ 22.395 χ^2 /NDF: 81.1/120

- sign 37.330 $\pm$ 31.386 χ^2 /NDF: 38.2/60

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 175.269+/-0.030 χ^2/NDF : 4669576.2/34

Left Out: 199.094+/-0.034 χ^2/NDF : 1880343.4/24

Right Out: 177.126+/-0.030 χ^2/NDF : 5648626.7/37

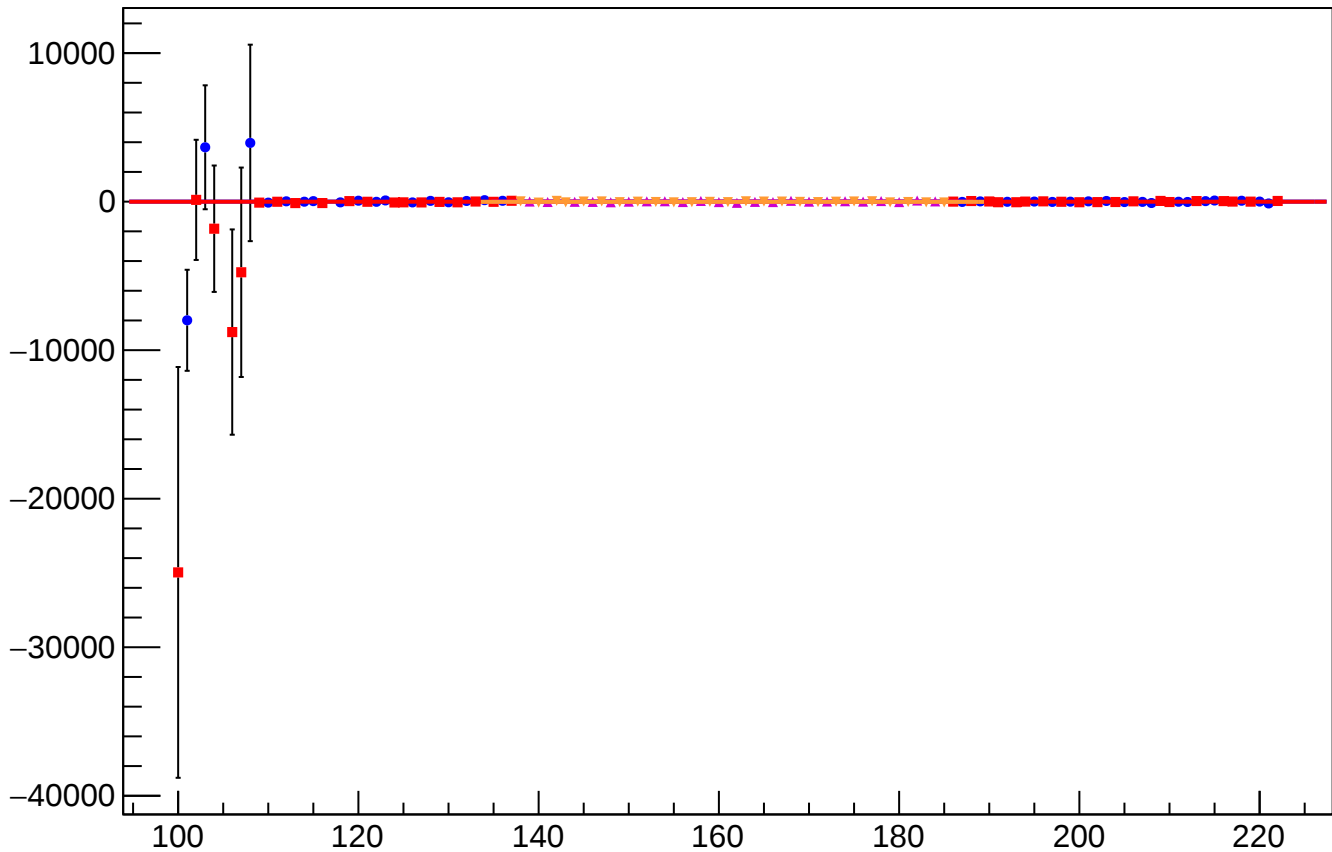
Left In: 183.667+/-0.032 χ^2/NDF : 1422895.7/22

+ sign 185.786+/-0.023 χ^2/NDF : 6823887.1/59

All: 182.942+/-0.016 χ^2/NDF : 13948151.3/12

- sign 180.200+/-0.022 χ^2/NDF : 7093161.4/60

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 2.465+/-6.462 χ^2/NDF : 52.8/34

Left Out: -15.006+/-6.723 χ^2/NDF : 17.5/24

Right Out: -4.614+/-6.447 χ^2/NDF : 36.8/37

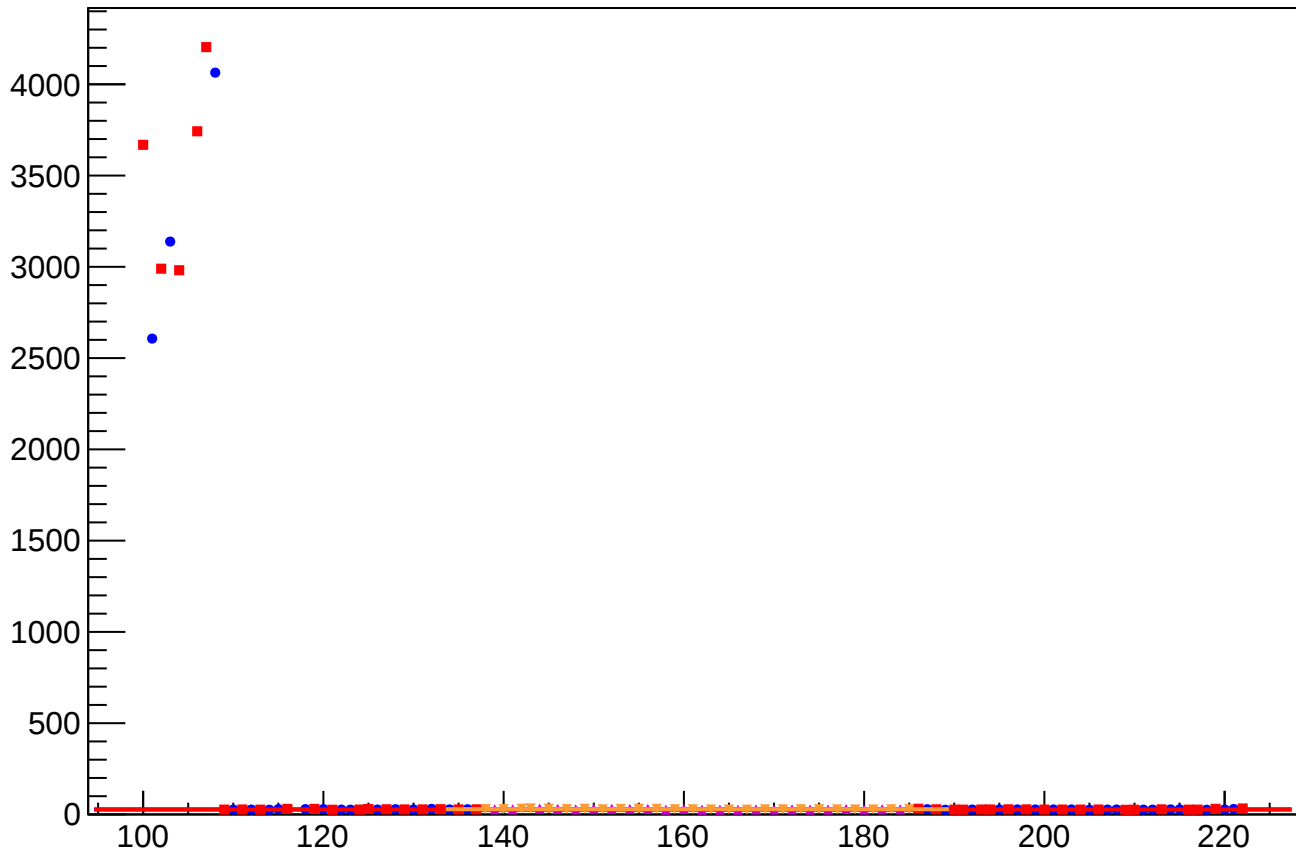
Left In: 0.702+/-6.909 χ^2/NDF : 26.4/22

+ sign -5.924+/-4.659 χ^2/NDF : 73.8/59

All: -4.054+/-3.314 χ^2/NDF : 137.6/120

- sign -2.139+/-4.714 χ^2/NDF : 63.5/60

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.325 $\pm$ 0.005 χ^2 /NDF: 3062954.8/34

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.577 $\pm$ 0.005 χ^2 /NDF: 3582517.0/37

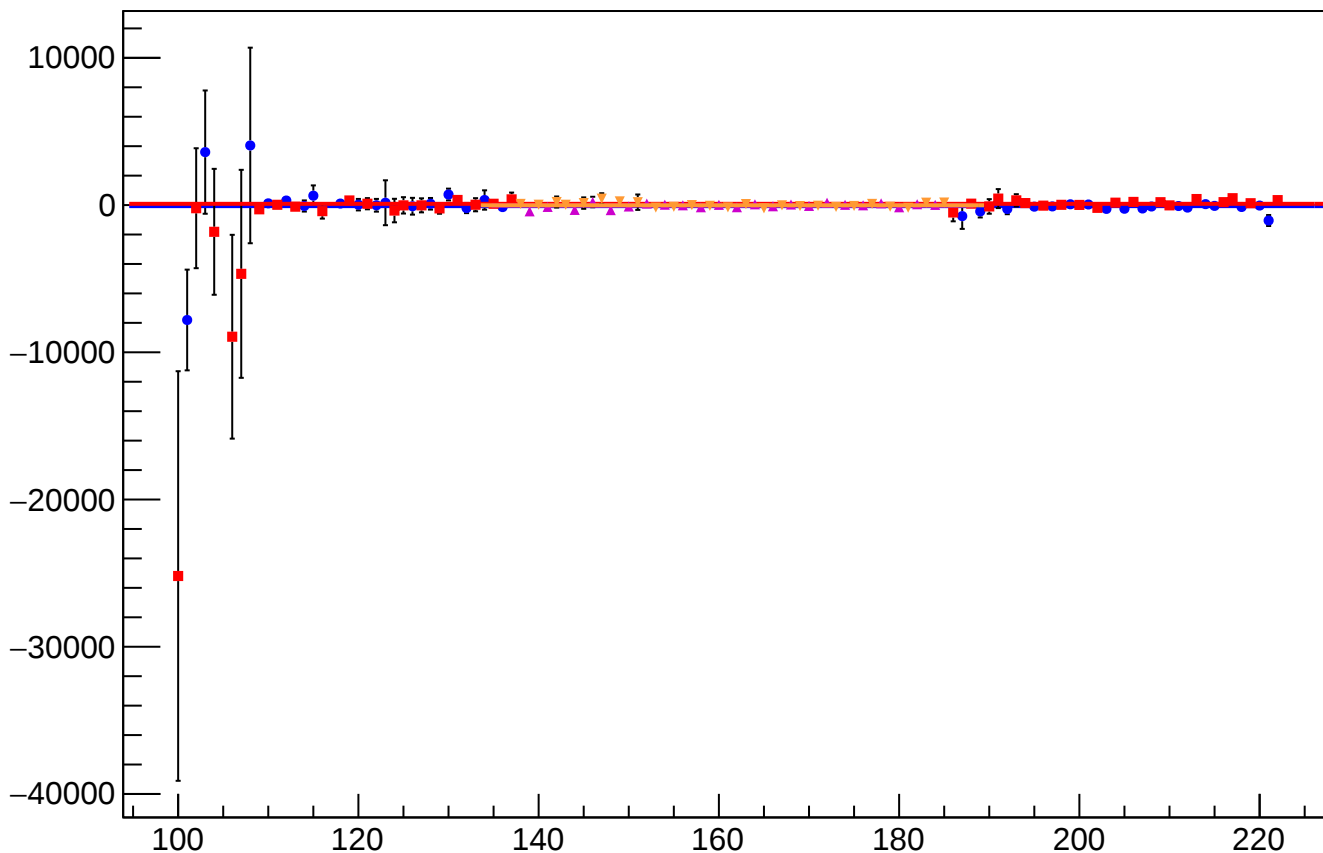
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.039 $\pm$ 0.003 χ^2 /NDF: 3235851.4/59

All: 28.090 $\pm$ 0.002 χ^2 /NDF: 6981337.4/120

- sign 28.143 $\pm$ 0.003 χ^2 /NDF: 3744998.1/60

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -71.439 $\pm$ 43.059 χ^2 /NDF: 29.3/34

Left Out: -15.548 $\pm$ 48.688 χ^2 /NDF:8.0/24

Right Out: 84.768 $\pm$ 43.423 χ^2 /NDF: 25.1/37

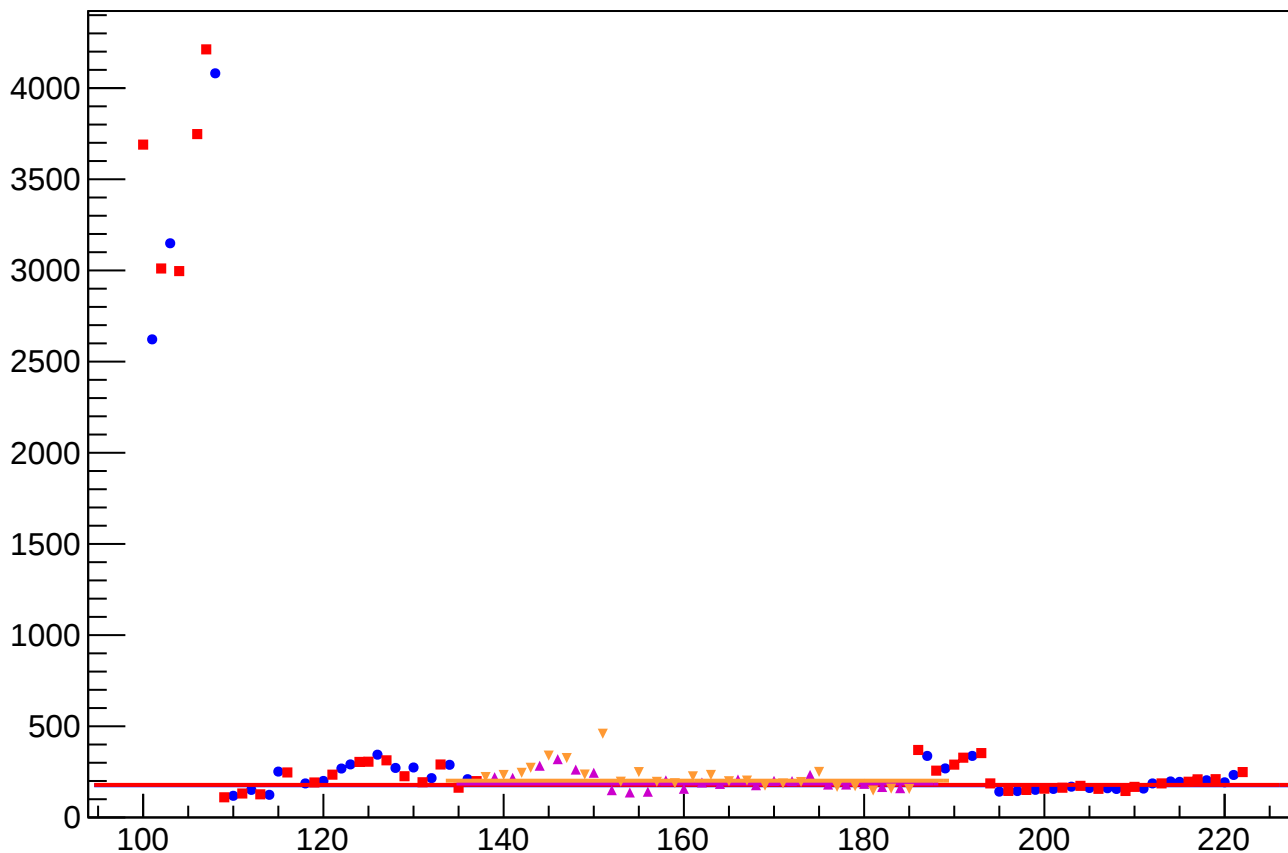
Left In: -31.170 $\pm$ 46.359 χ^2 /NDF:8.2/22

+ sign -46.910 $\pm$ 32.255 χ^2 /NDF: 38.1/59

All: -7.480 $\pm$ 22.606 χ^2 /NDF: 77.6/120

- sign 30.586 $\pm$ 31.692 χ^2 /NDF: 36.6/60

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 176.547 $\pm$ 0.030 χ^2 /NDF: 4636033.3/34

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF:1857453.2/24

Right Out: 178.589 $\pm$ 0.031 χ^2 /NDF: 5589180.5/37

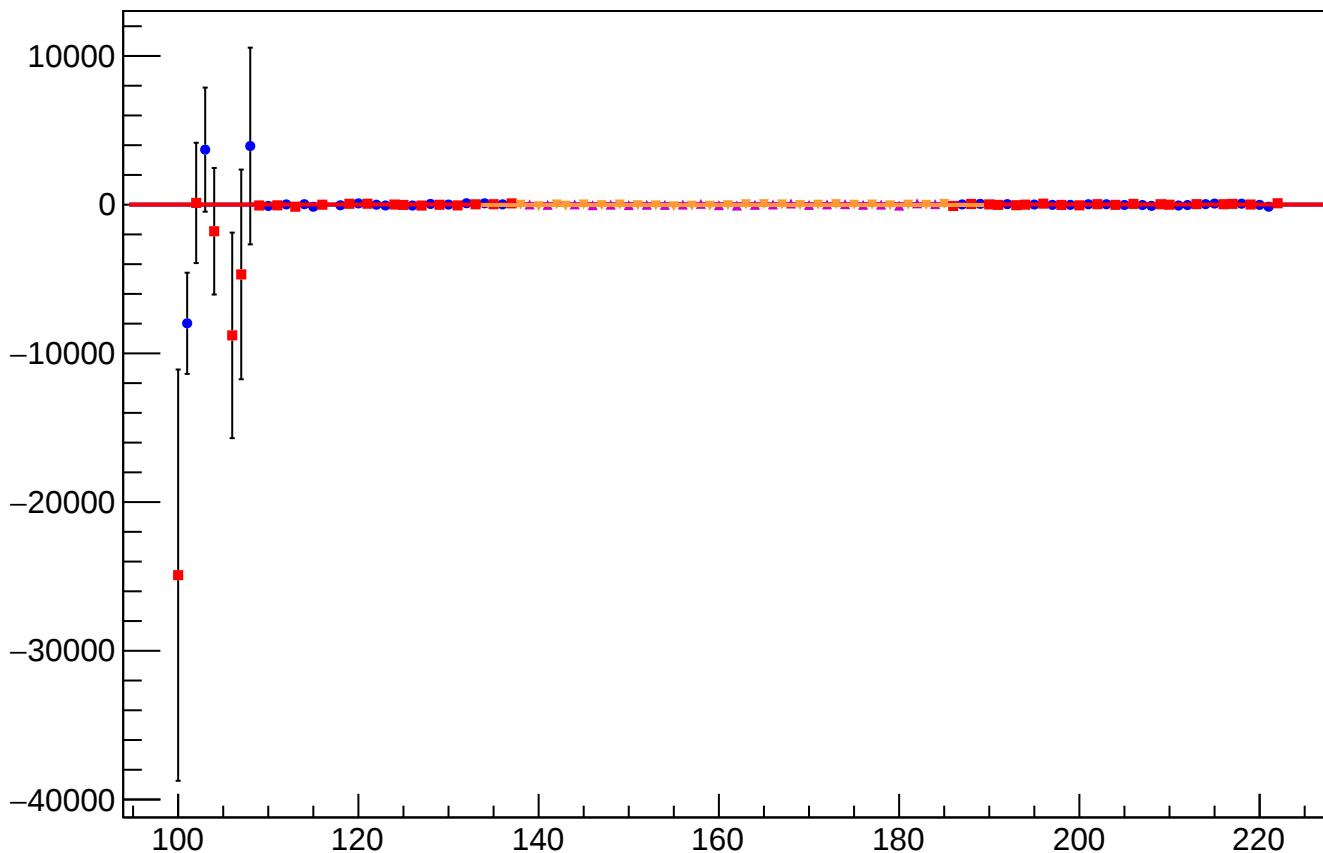
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

+ sign 187.543 $\pm$ 0.023 χ^2 /NDF: 6790619.3/59

All: 184.775 $\pm$ 0.016 χ^2 /NDF: 13828087.1/12

- sign 182.103 $\pm$ 0.022 χ^2 /NDF: 7008522.2/60

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.129+/-7.873 χ^2/NDF : 45.3/34

Left Out: -23.360+/-8.064 χ^2/NDF :25.8/24

Right Out: 9.647+/-7.836 χ^2/NDF : 42.4/37

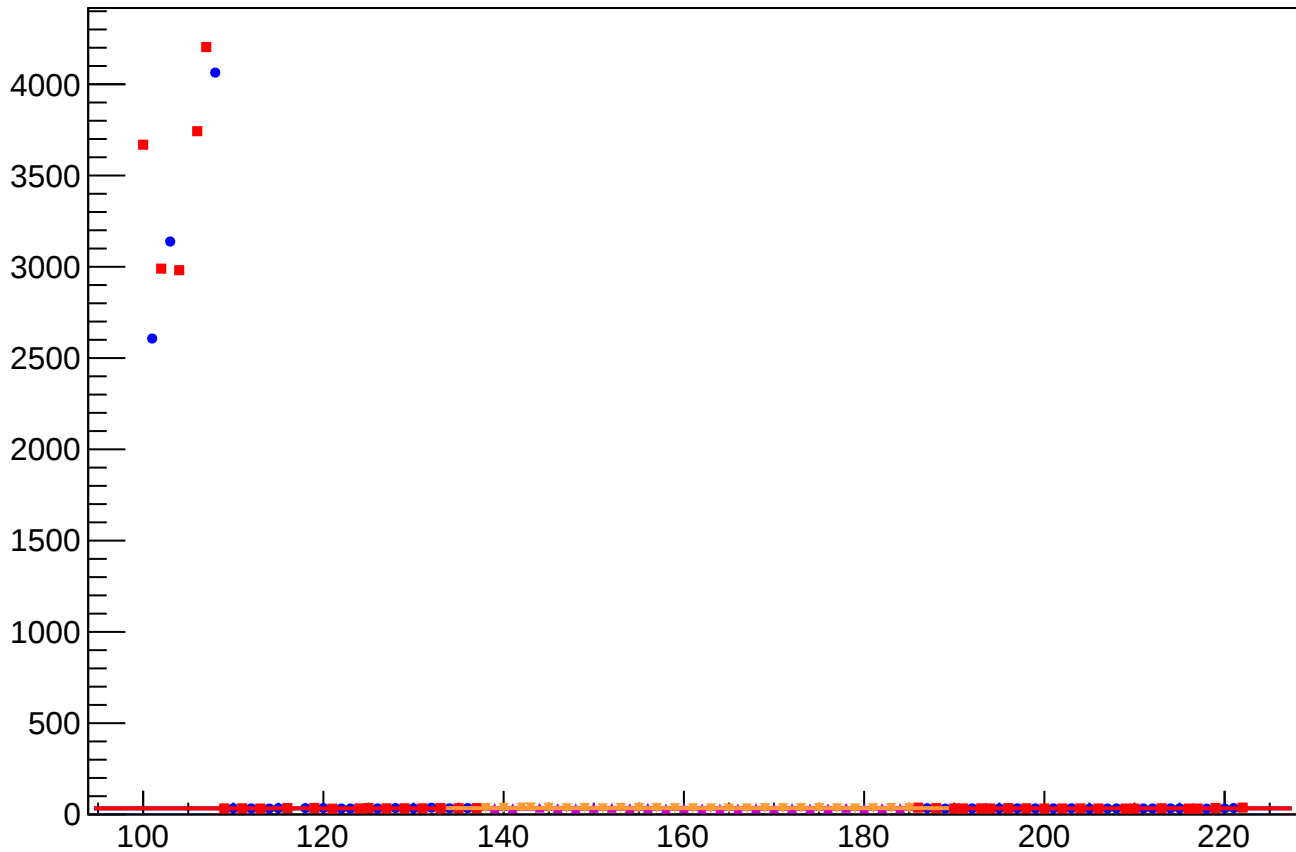
Left In: 6.001+/-8.309 χ^2/NDF :21.1/22

+ sign -9.797+/-5.633 χ^2/NDF : 76.6/59

All: -1.039+/-4.007 χ^2/NDF : 145.1/120

- sign 7.930+/-5.701 χ^2/NDF : 63.6/60

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.313+/-0.006 χ^2/NDF : 3026791.9/34

Left Out: 34.614+/-0.006 χ^2/NDF : 57946.1/24

Right Out: 33.579+/-0.006 χ^2/NDF : 3502900.3/37

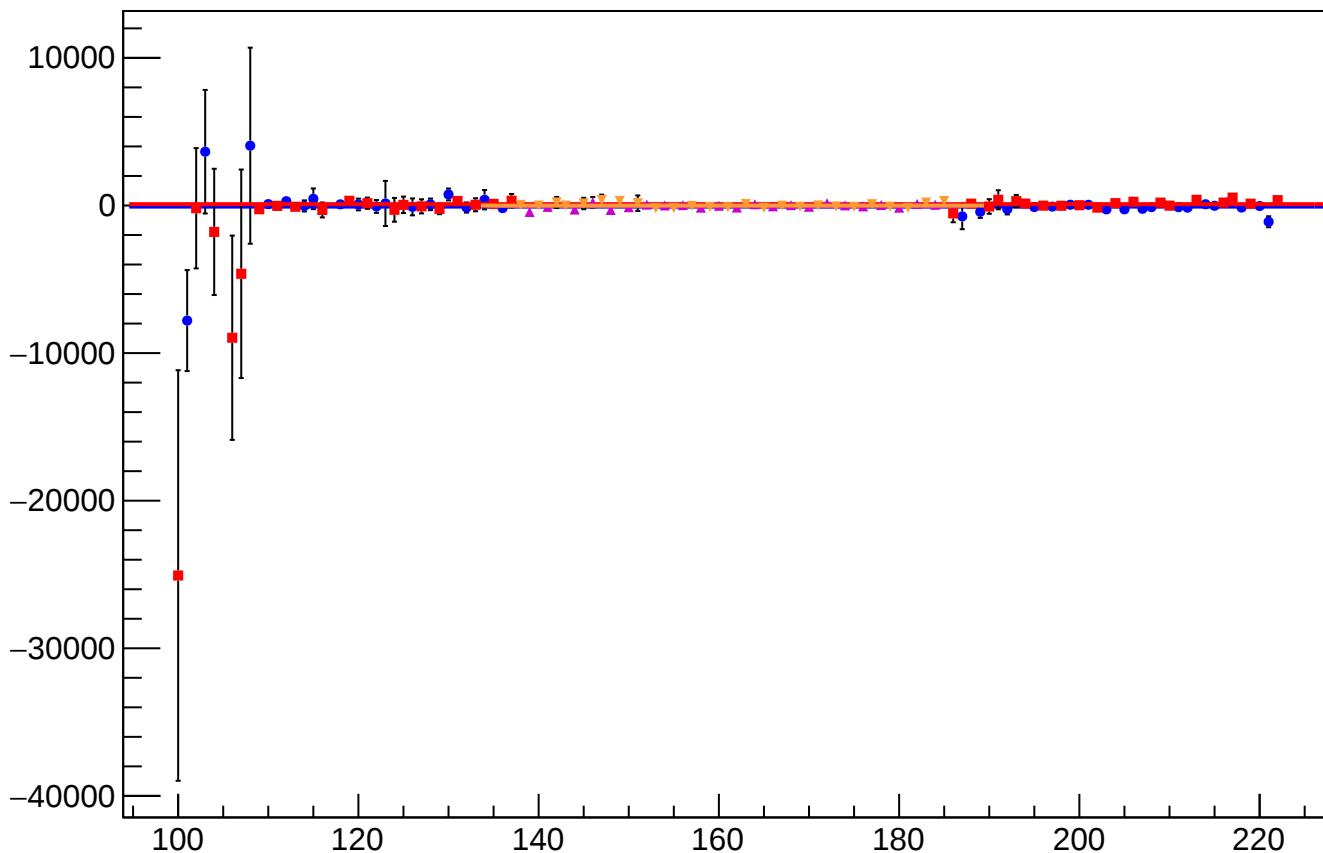
Left In: 34.685+/-0.006 χ^2/NDF : 60315.2/22

+ sign 33.948+/-0.004 χ^2/NDF : 3111421.0/59

All: 34.023+/-0.003 χ^2/NDF : 6694108.0/120

- sign 34.100+/-0.004 χ^2/NDF : 3581968.7/60

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -75.188 ± 42.938 χ^2/NDF : 29.9/34

Left Out: -8.916 ± 48.615 χ^2/NDF : 8.6/24

Right Out: 90.965 ± 43.271 χ^2/NDF : 24.5/37

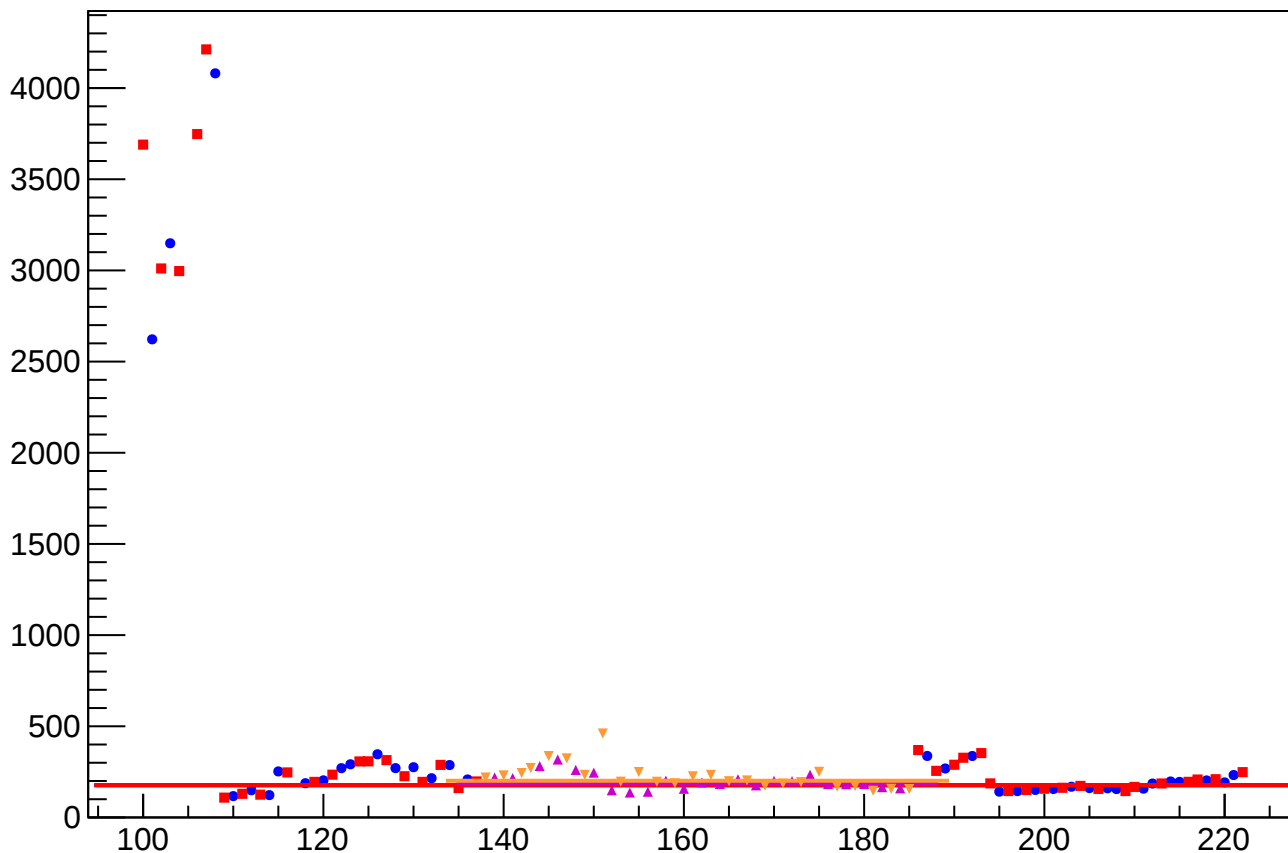
Left In: -34.127 ± 46.296 χ^2/NDF : 7.4/22

+ sign -46.146 ± 32.183 χ^2/NDF : 39.5/59

All: -6.049 ± 22.552 χ^2/NDF : 78.4/120

- sign 32.640 ± 31.612 χ^2/NDF : 35.9/60

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.977 $\pm$ 0.030 χ^2 /NDF: 4666641.0/34

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 177.820 $\pm$ 0.031 χ^2 /NDF: 5640798.2/37

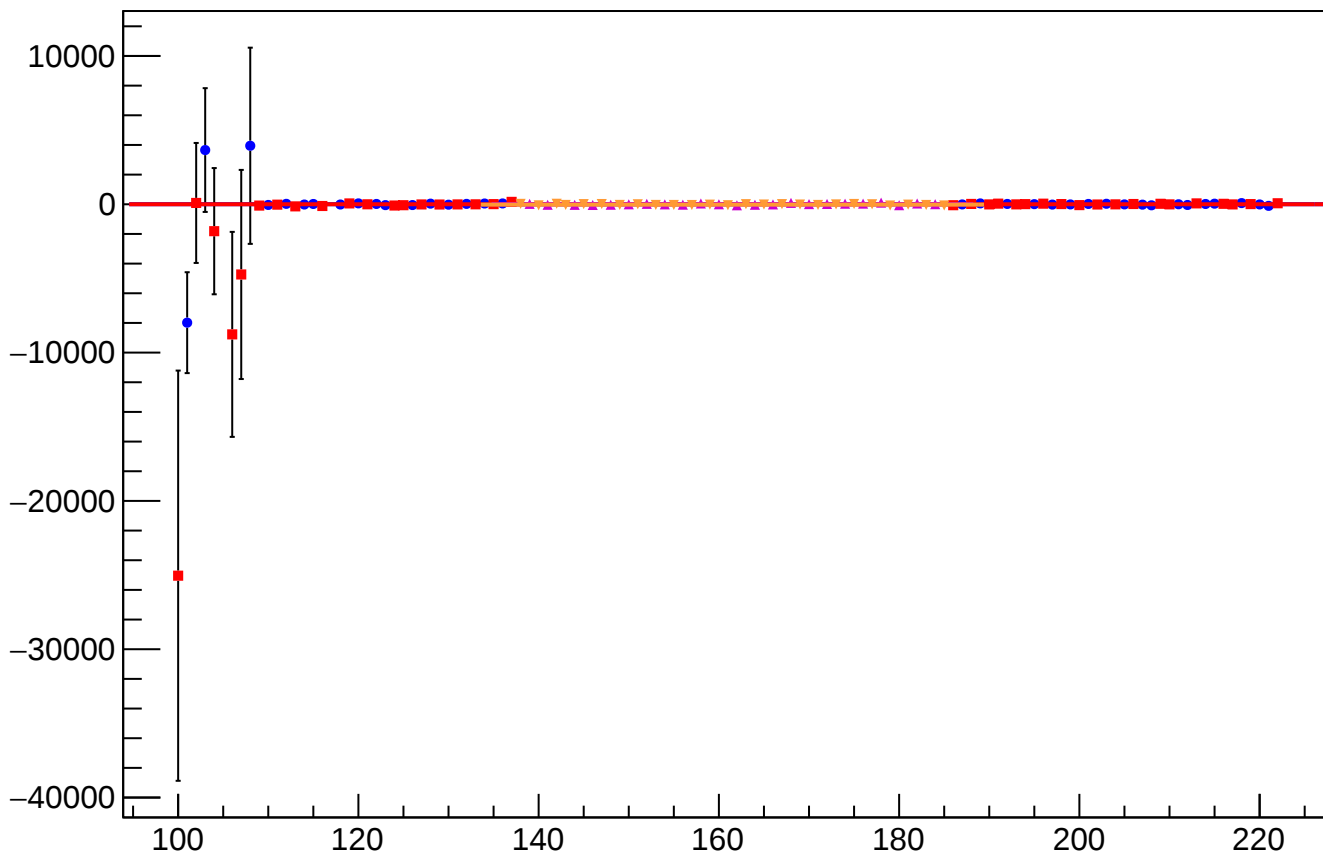
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 187.073 $\pm$ 0.023 χ^2 /NDF: 6822527.4/59

All: 184.270 $\pm$ 0.016 χ^2 /NDF: 13907043.3/12

- sign 181.566 $\pm$ 0.022 χ^2 /NDF: 7054713.3/60

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.448 $\pm$ 7.120 χ^2 /NDF: 37.8/34

Left Out: -22.879 $\pm$ 7.340 χ^2 /NDF:18.8/24

Right Out: 1.909 $\pm$ 7.098 χ^2 /NDF: 46.0/37

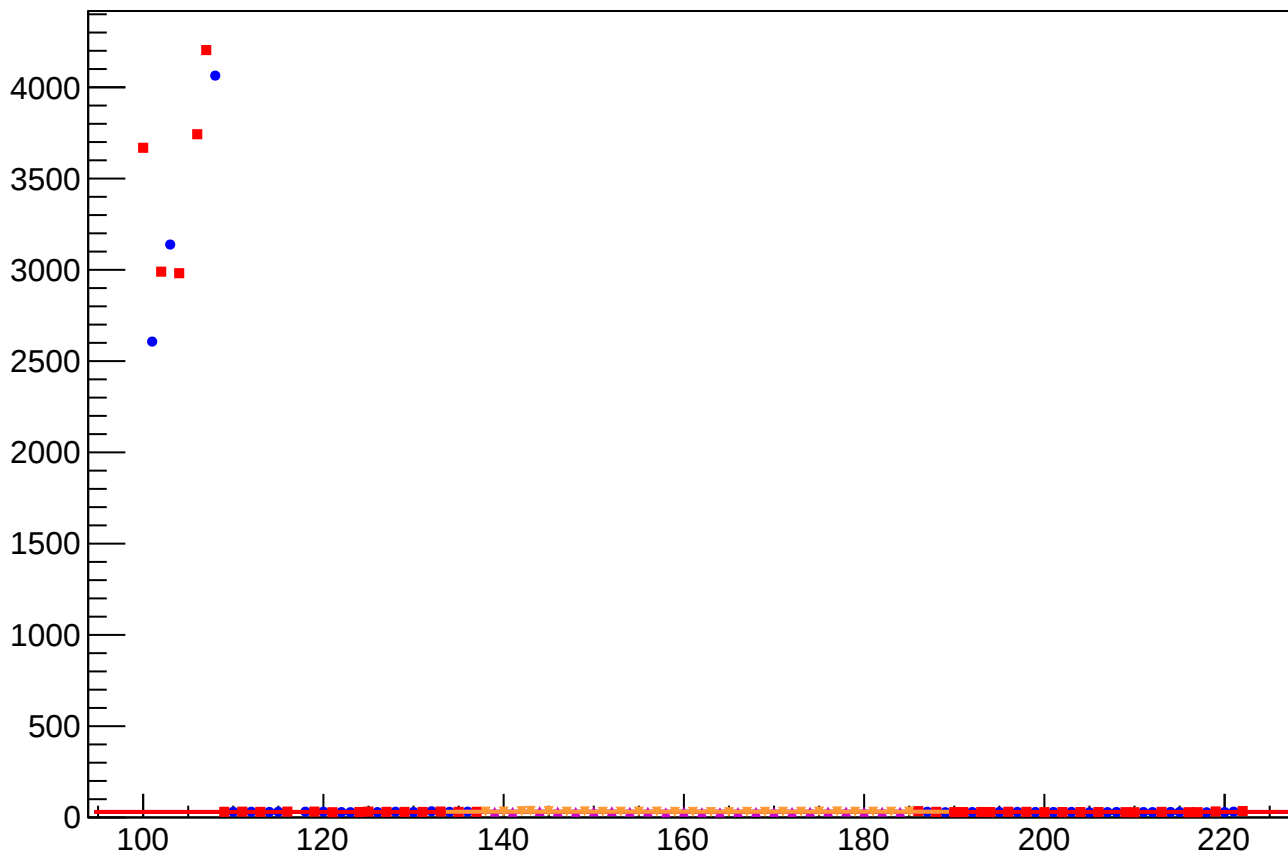
Left In: 5.943 $\pm$ 7.550 χ^2 /NDF:38.3/22

+ sign -8.285 $\pm$ 5.111 χ^2 /NDF: 64.2/59

All: -2.313 $\pm$ 3.635 χ^2 /NDF: 151.5/120

- sign 3.802 $\pm$ 5.171 χ^2 /NDF: 84.5/60

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.118 $\pm$ 0.005 χ^2 /NDF: 3047573.1/34

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.388 $\pm$ 0.005 χ^2 /NDF: 3536977.4/37

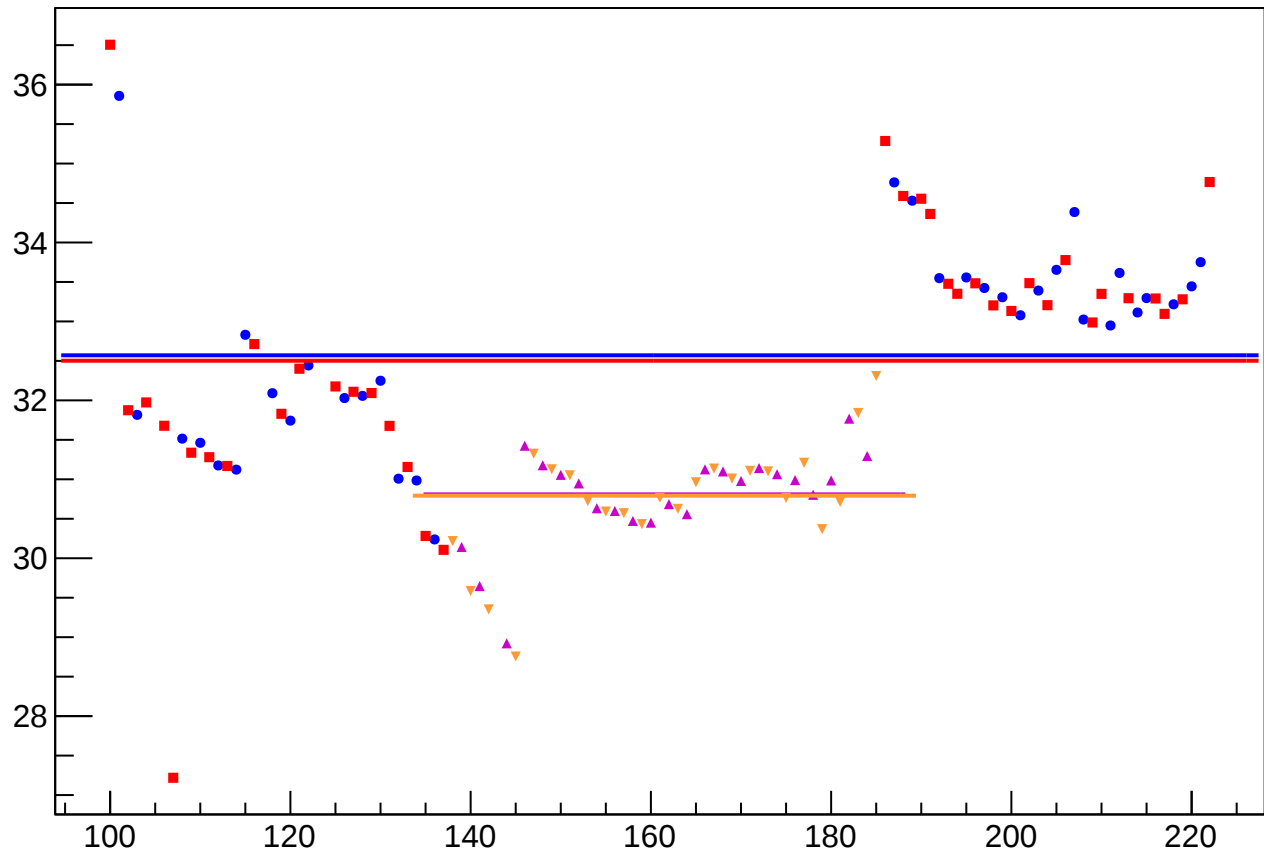
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 30.779 $\pm$ 0.004 χ^2 /NDF: 3165566.0/59

All: 30.840 $\pm$ 0.003 χ^2 /NDF: 6813504.9/120

- sign 30.902 $\pm$ 0.004 χ^2 /NDF: 3647366.7/60

yield_usl_mean vs Slug



Right In: 32.571+/-0.000 χ^2/NDF : 3238149643.1/33

Left Out: 30.793+/-0.000 χ^2/NDF : 1007261340.7/23

Right Out: 32.502+/-0.000 χ^2/NDF : 3158679509.3/36

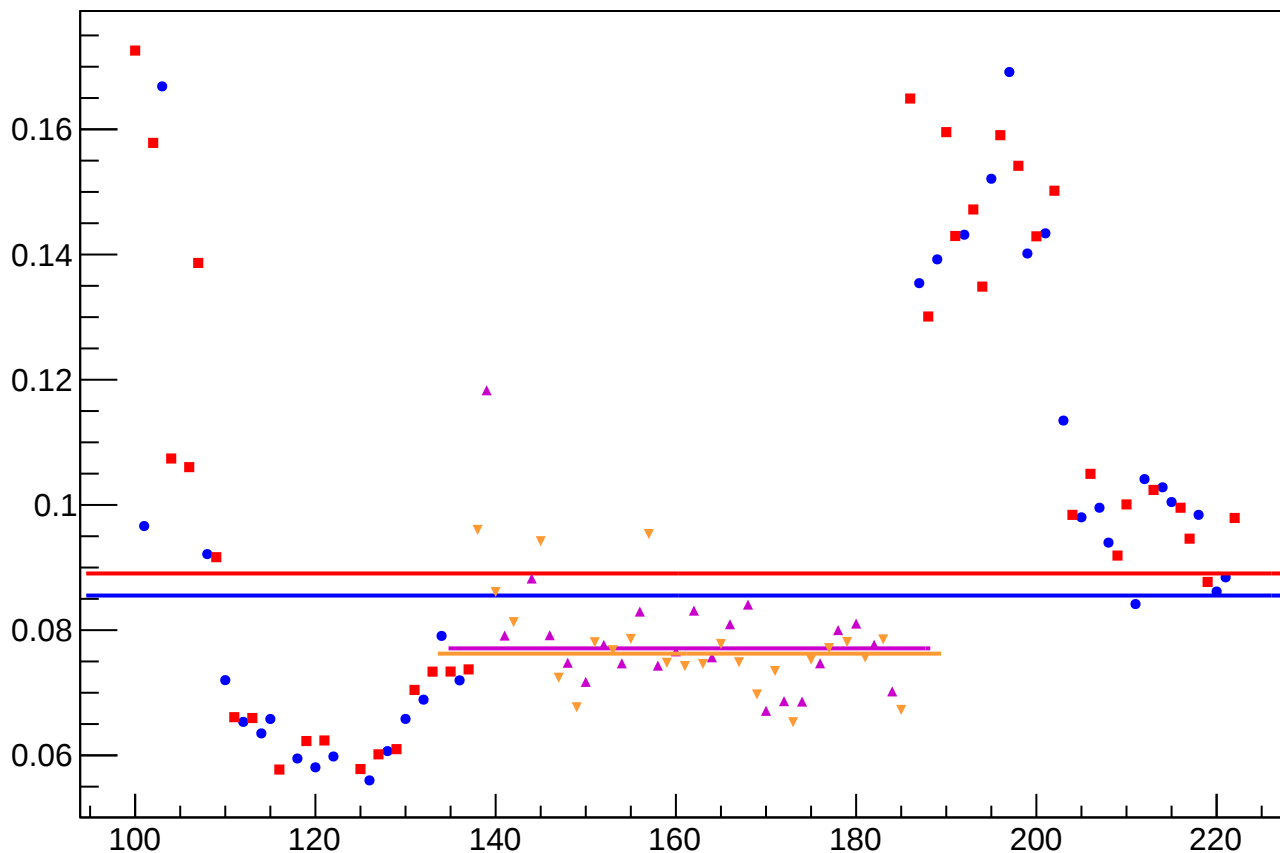
Left In: 30.809+/-0.000 χ^2/NDF : 821961762.3/22

+ sign 31.598+/-0.000 χ^2/NDF : 8197426541.8/57

All: 31.584+/-0.000 χ^2/NDF : 15613244305.3

- sign 31.570+/-0.000 χ^2/NDF : 7413854819.4/59

yield_usl_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF : 3305083.5/33

Left Out: 0.076+/-0.000 χ^2/NDF : 277876.5/23

Right Out: 0.089+/-0.000 χ^2/NDF : 3696401.7/36

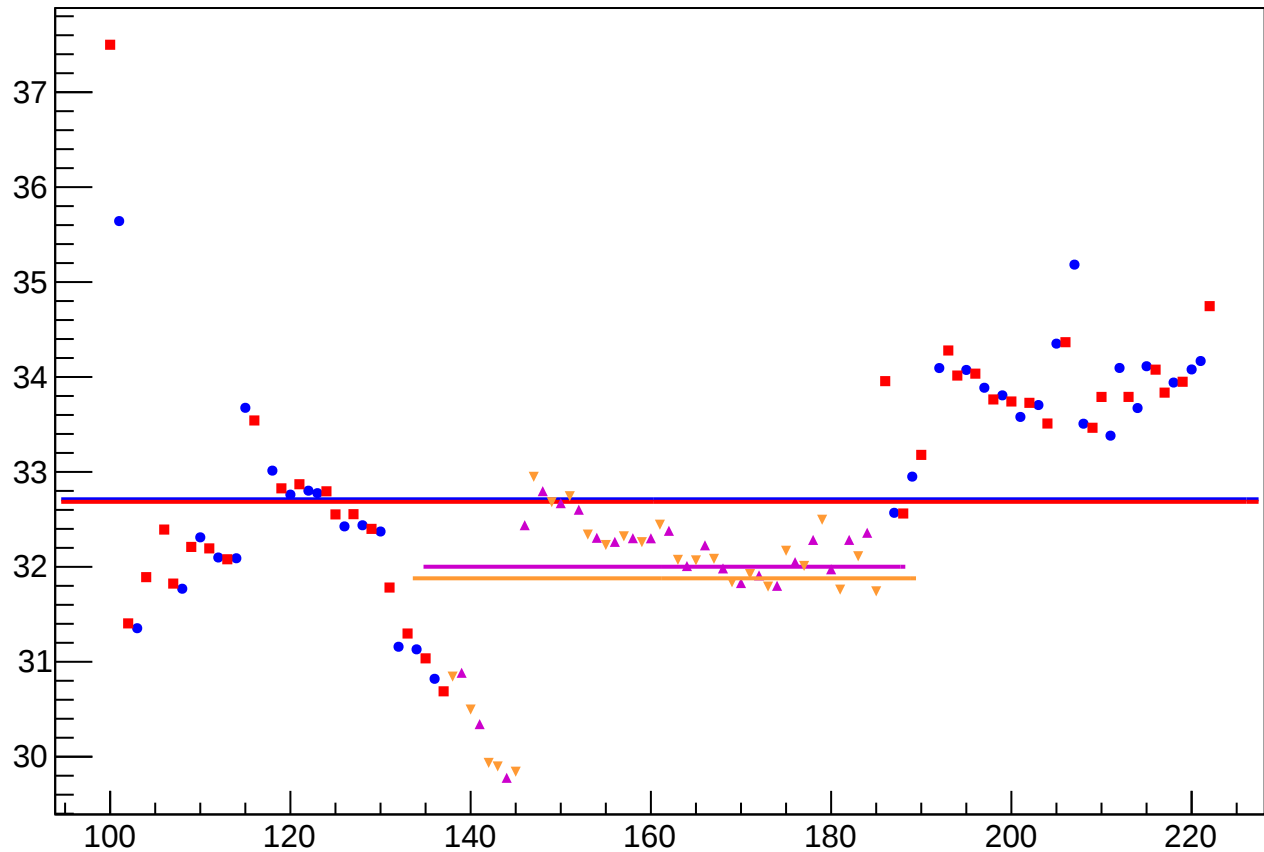
Left In: 0.077+/-0.000 χ^2/NDF : 325844.3/22

+ sign 0.080+/-0.000 χ^2/NDF : 3798298.1/57

All: 0.081+/-0.000 χ^2/NDF : 8183424.8/117

- sign 0.082+/-0.000 χ^2/NDF : 4365099.8/59

yield_usr_mean vs Slug



Right In: 32.712 $\pm$ 0.000 χ^2 /NDF: 1787936594.2/34

Left Out: 31.879 $\pm$ 0.000 χ^2 /NDF:1976281391.1/24

Right Out: 32.685 $\pm$ 0.000 χ^2 /NDF: 1246131248.7/36

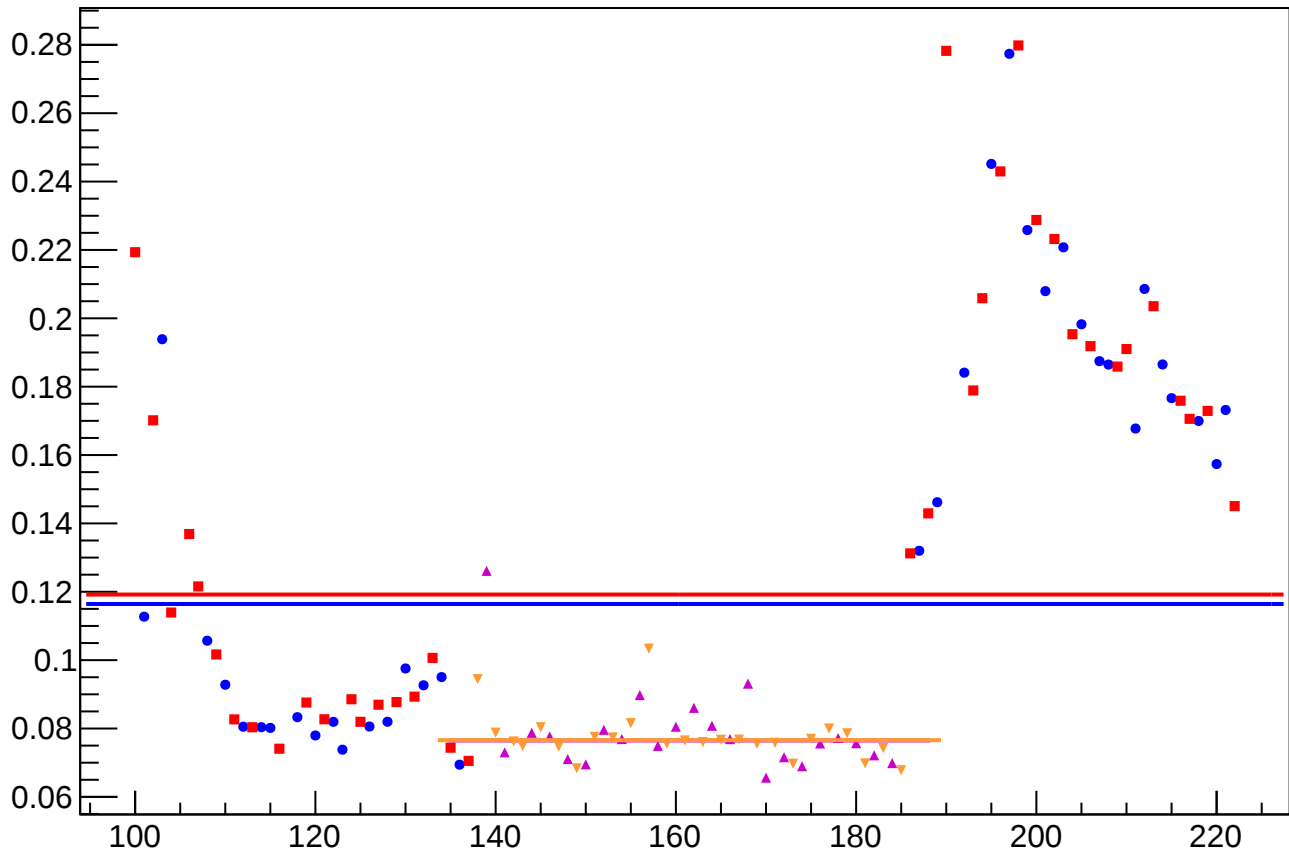
Left In: 32.001 $\pm$ 0.000 χ^2 /NDF:1411110671.9/22

+ sign 32.113 $\pm$ 0.000 χ^2 /NDF: 4324069249.6/59

All: 32.156 $\pm$ 0.000 χ^2 /NDF: 7369279392.1/100

- sign 32.200 $\pm$ 0.000 χ^2 /NDF: 3030315462.4/59

yield_usr_rms vs Slug



Right In: 0.116 $\pm$ 0.000 χ^2 /NDF: 6001533.1/34

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:209648.5/24

Right Out: 0.119 $\pm$ 0.000 χ^2 /NDF: 5601390.4/36

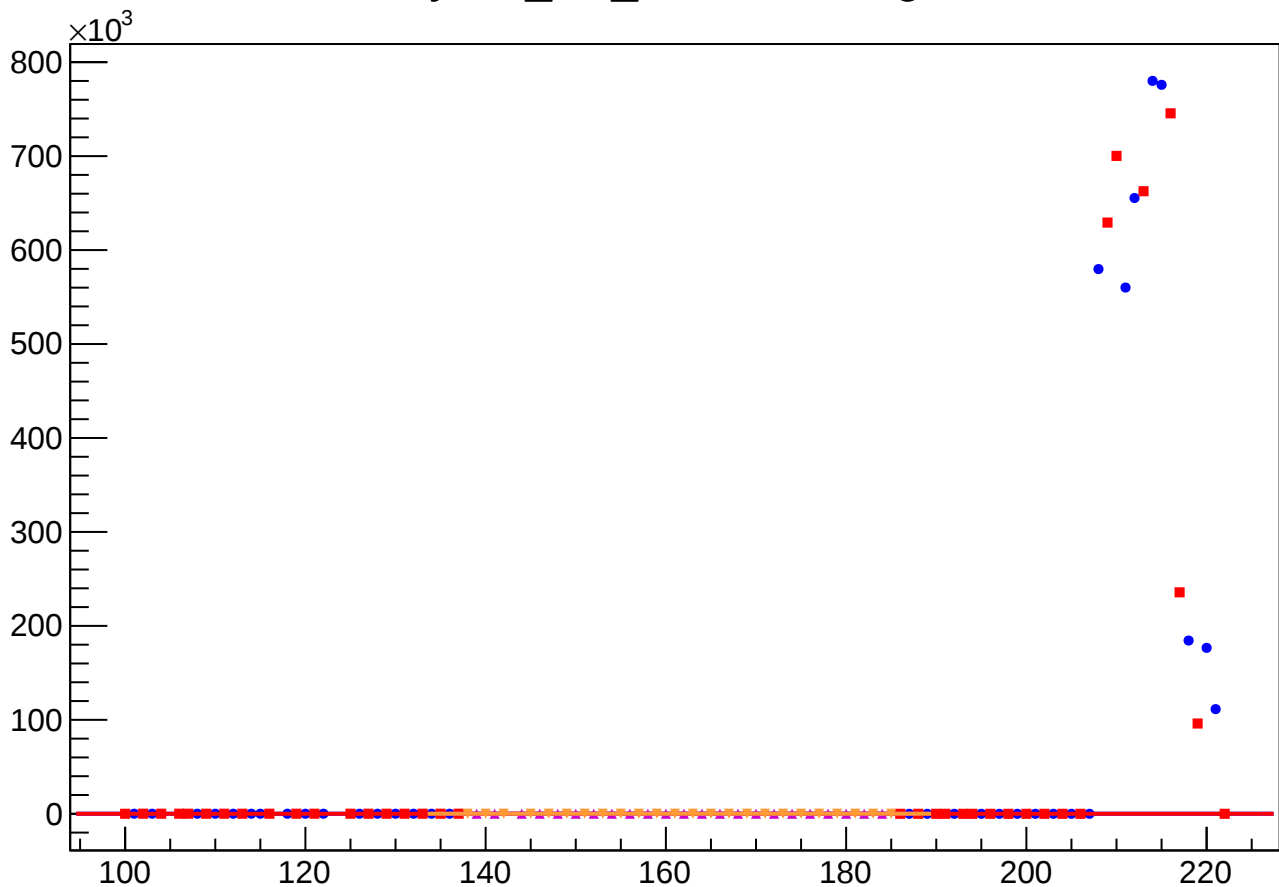
Left In: 0.076 $\pm$ 0.000 χ^2 /NDF:432563.3/22

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 8774662.5/59

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 17721448.8/119

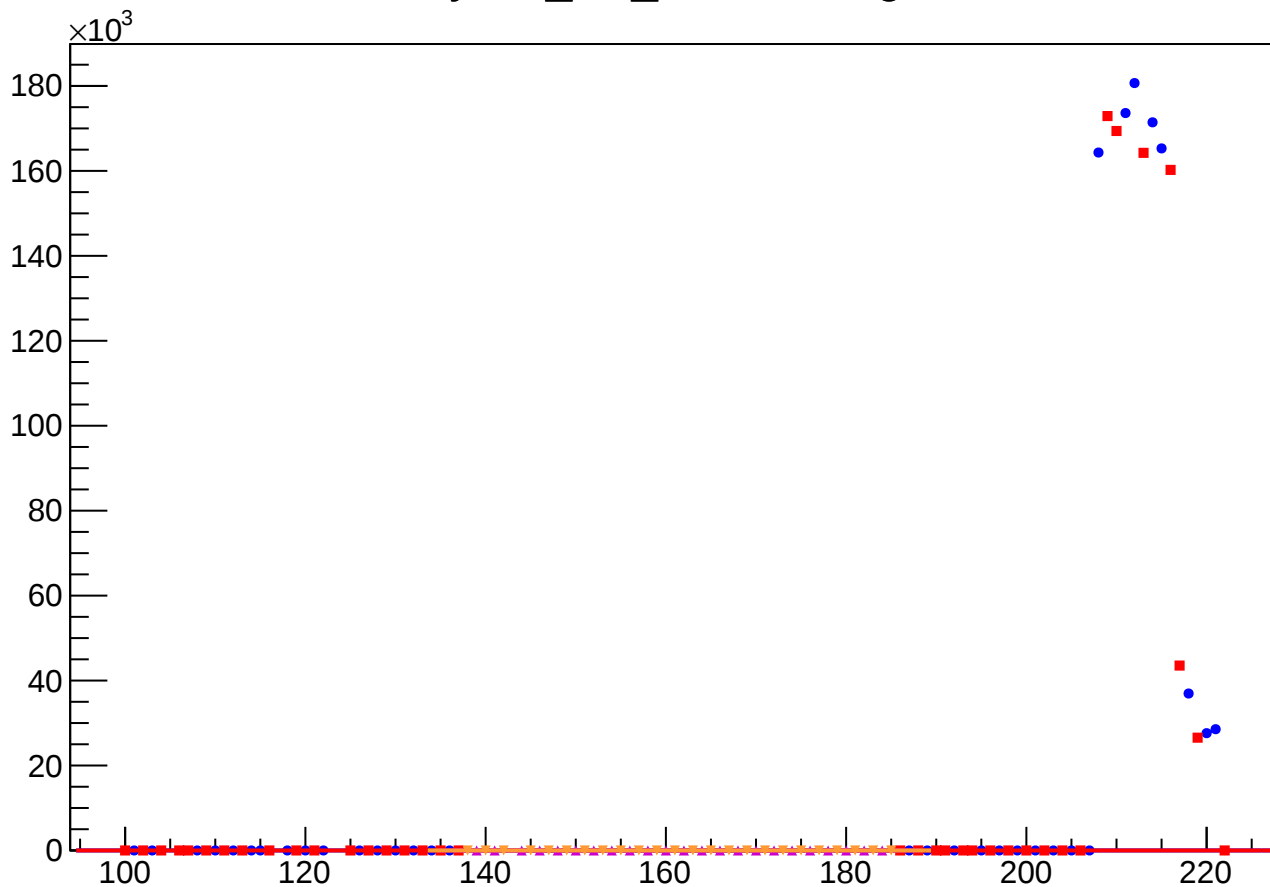
- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 8941848.6/59

yield_dsl_mean vs Slug



Right In: 54.615 $\pm$ 0.000 χ^2 /NDF: 10853604991764.3/33
 Left Out: 83.402 $\pm$ 0.000 χ^2 /NDF: 8756634444.3/23
 Right Out: 49.184 $\pm$ 0.000 χ^2 /NDF: 12169099390827.6/36
 Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22
 + sign 71.450 $\pm$ 0.000 χ^2 /NDF: 13713659630019.2
 All: 69.755 $\pm$ 0.000 χ^2 /NDF: 3027364708234
 - sign 68.151 $\pm$ 0.000 χ^2 /NDF: 16480758109905.7

yield_dsl_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 10843155.5/33

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:206685.9/23

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 8707839.0/36

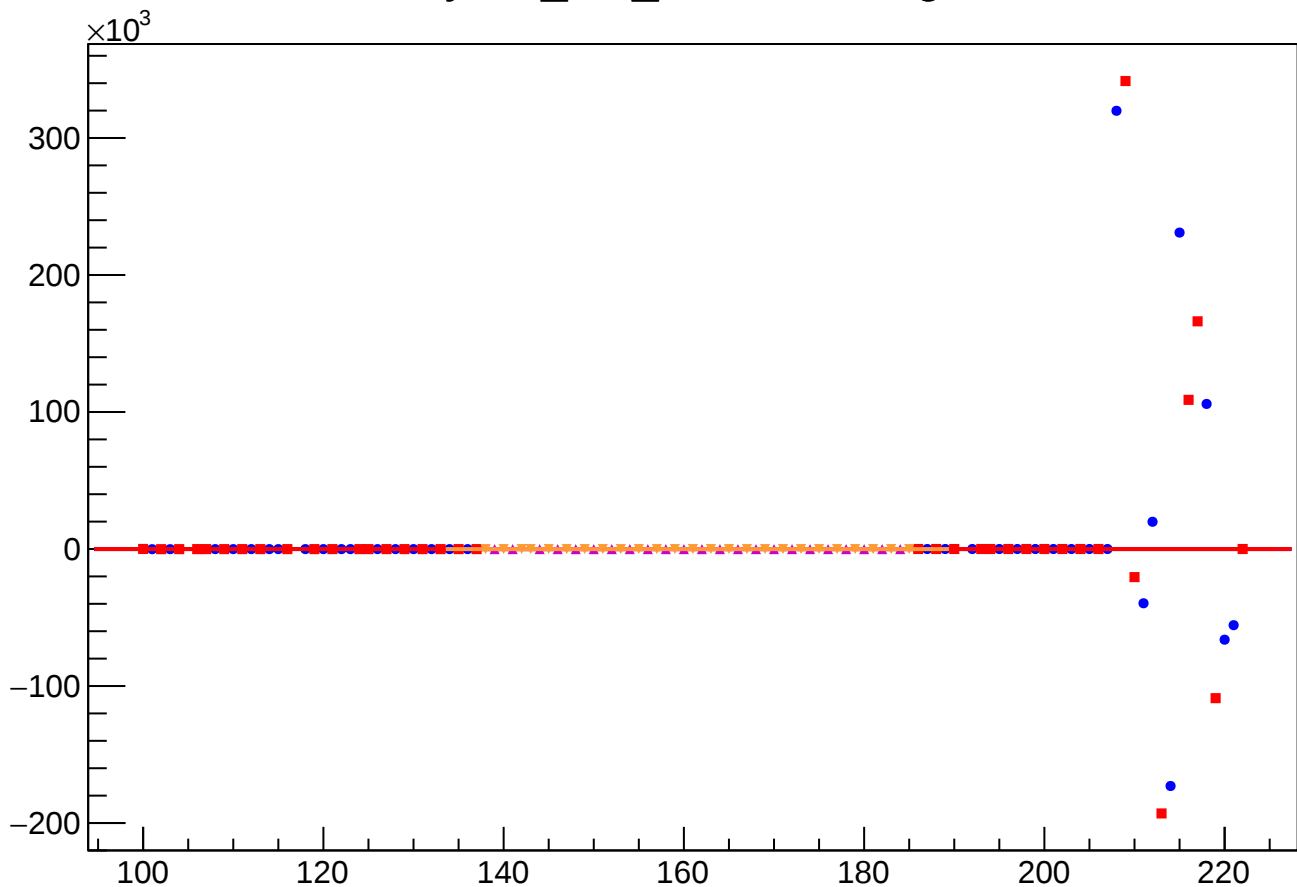
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.046 $\pm$ 0.000 χ^2 /NDF: 11069045.0/57

All: 0.046 $\pm$ 0.000 χ^2 /NDF: 20058092.3/117

- sign 0.046 $\pm$ 0.000 χ^2 /NDF: 8989034.2/59

yield_dsr_mean vs Slug



Right In: -30.026+/-0.000 χ^2/NDF : 7479132195899.0/34

Left Out: -69.461+/-0.000 χ^2/NDF : 49572401.9/24

Right Out: -27.295+/-0.000 χ^2/NDF : 7548214123892.4/36

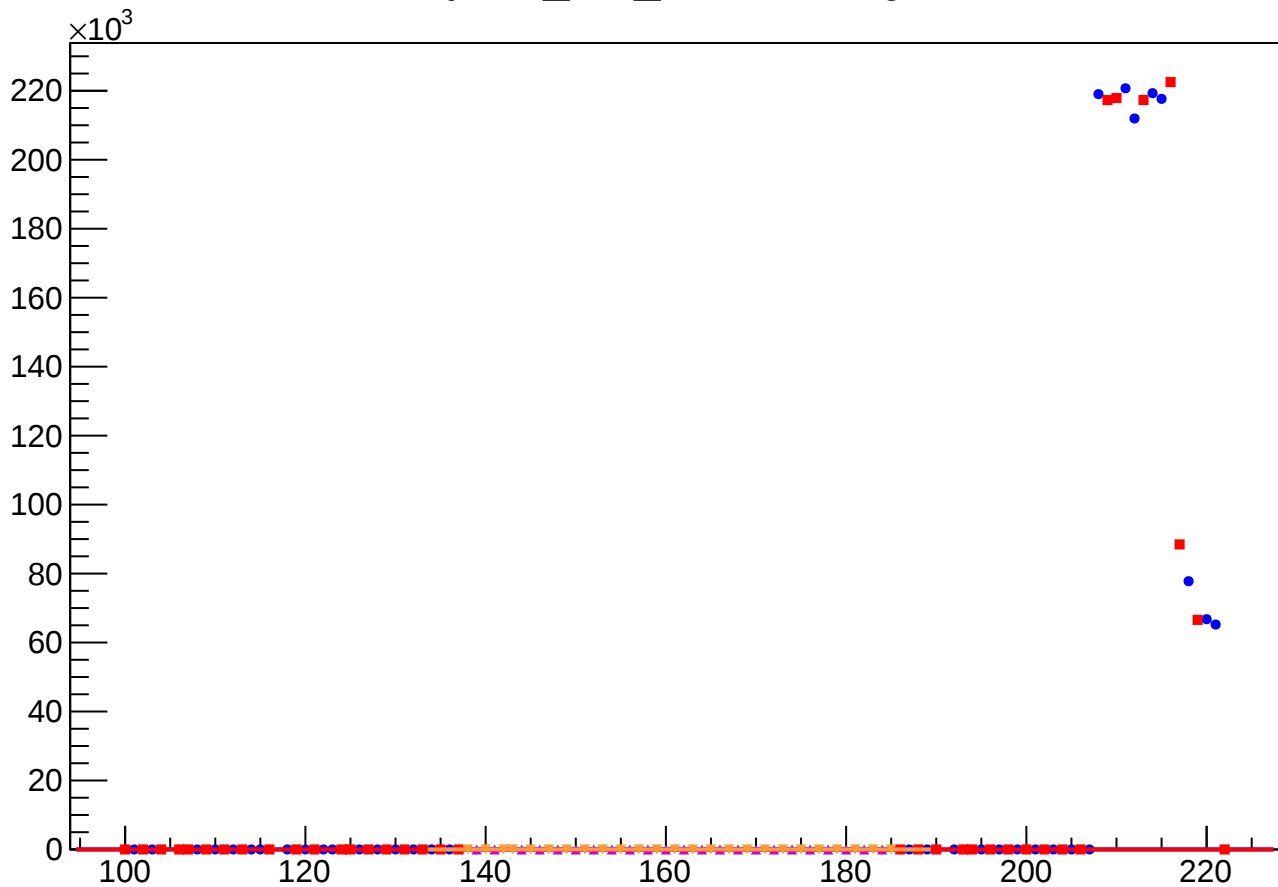
Left In: -69.458+/-0.000 χ^2/NDF : 52798704.3/22

+ sign -51.425+/-0.000 χ^2/NDF : 11625955741637.7

All: -49.747+/-0.000 χ^2/NDF : 241388080138

- sign -48.113+/-0.000 χ^2/NDF : 12453109791490.1

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 10871307.2/34

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 8600173.3/36

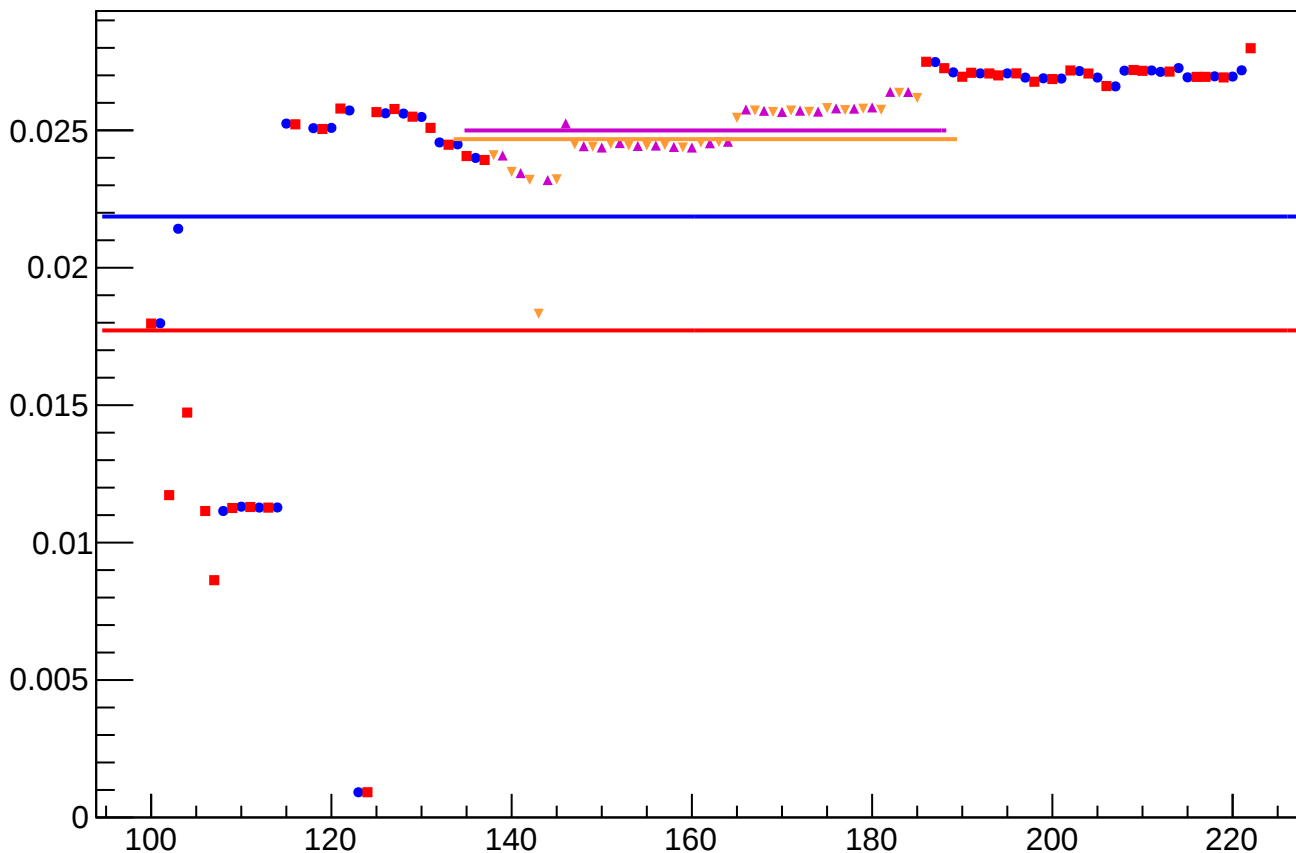
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 10960508.5/59

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 19681150.5/119

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 8720641.0/59

yield_atl1_mean vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 210149669719.9/34

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF:9641065555.8/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 476300343609.7/37

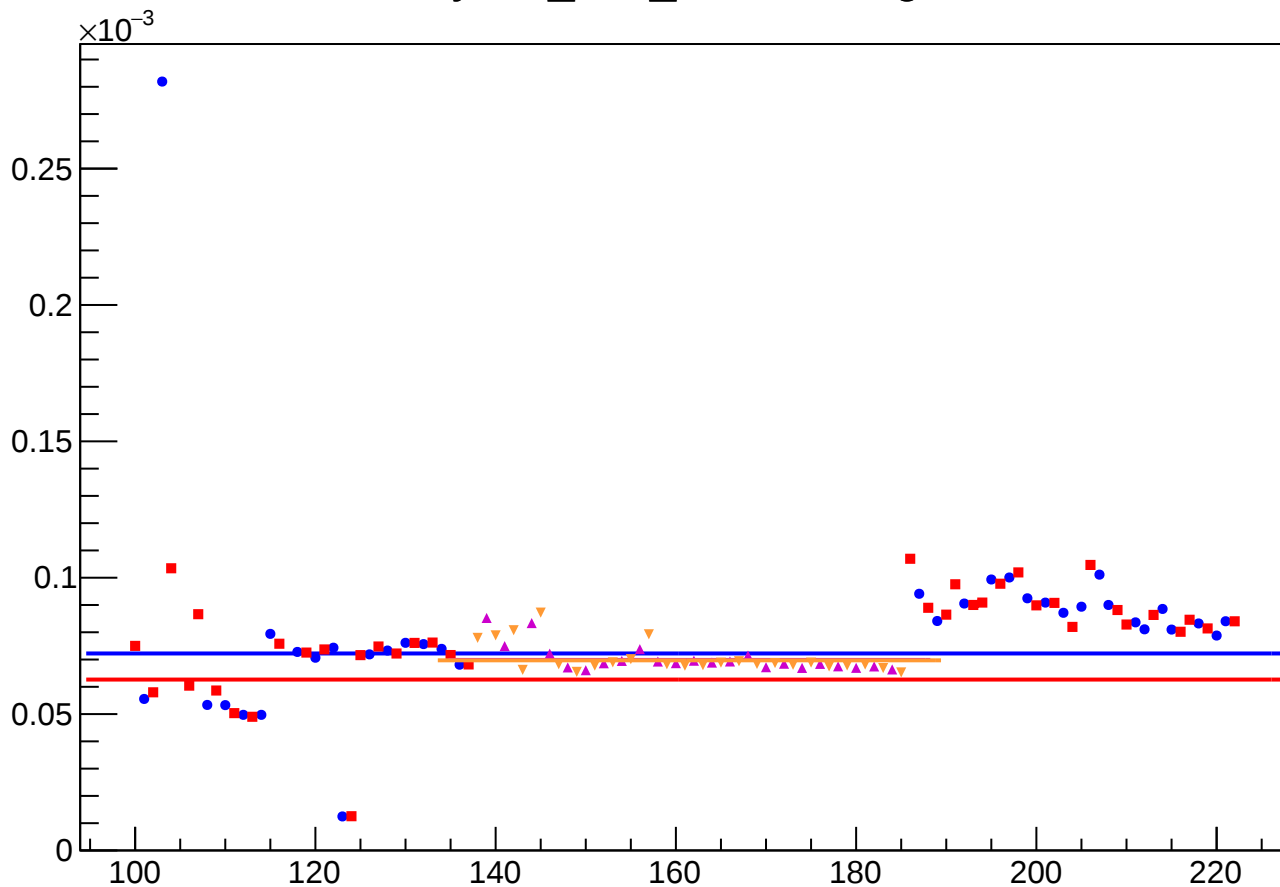
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF:2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 233619857162.3/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 830245851454.1

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 578280026536.5/60

yield_atl1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3707711.6/34

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:158125.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 7508551.0/37

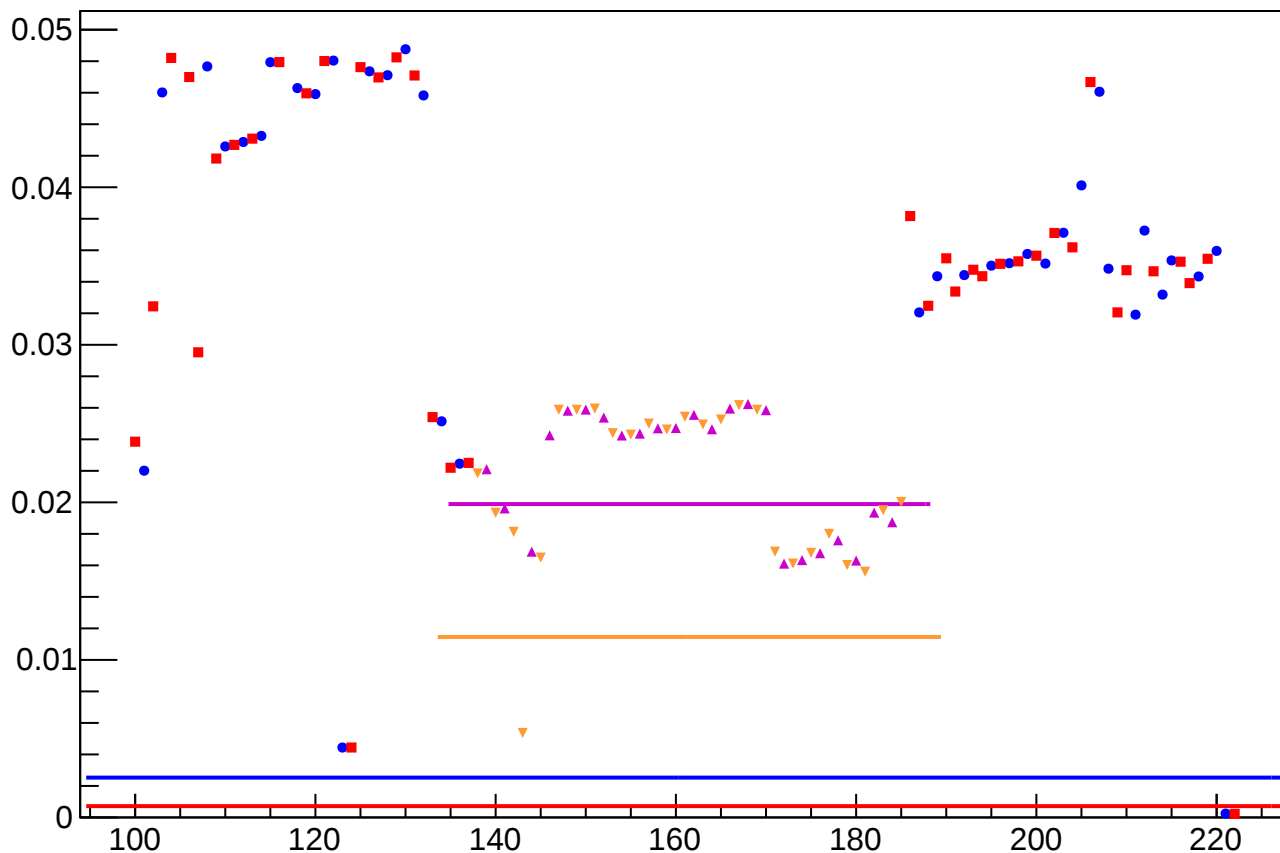
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:129289.8/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3887836.9/59

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 11893522.6/120

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 7832672.0/60

yield_atl2_mean vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 117623859971.3/34

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 40294472965.0/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 122466012135.6/37

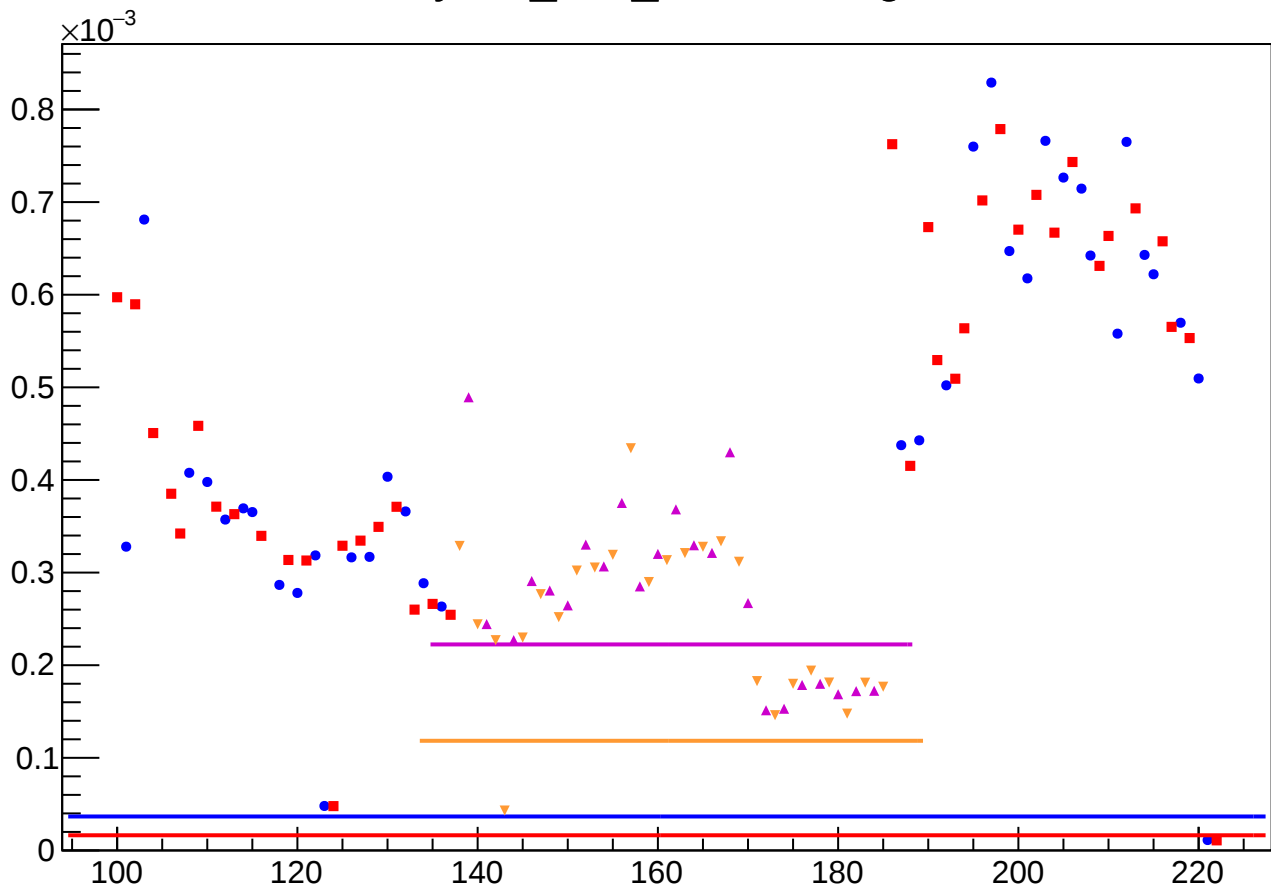
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 195773680664.3/59

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 452653155918.3

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 230040362608.2/60

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 31954664.1/34

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 34067977.7/37

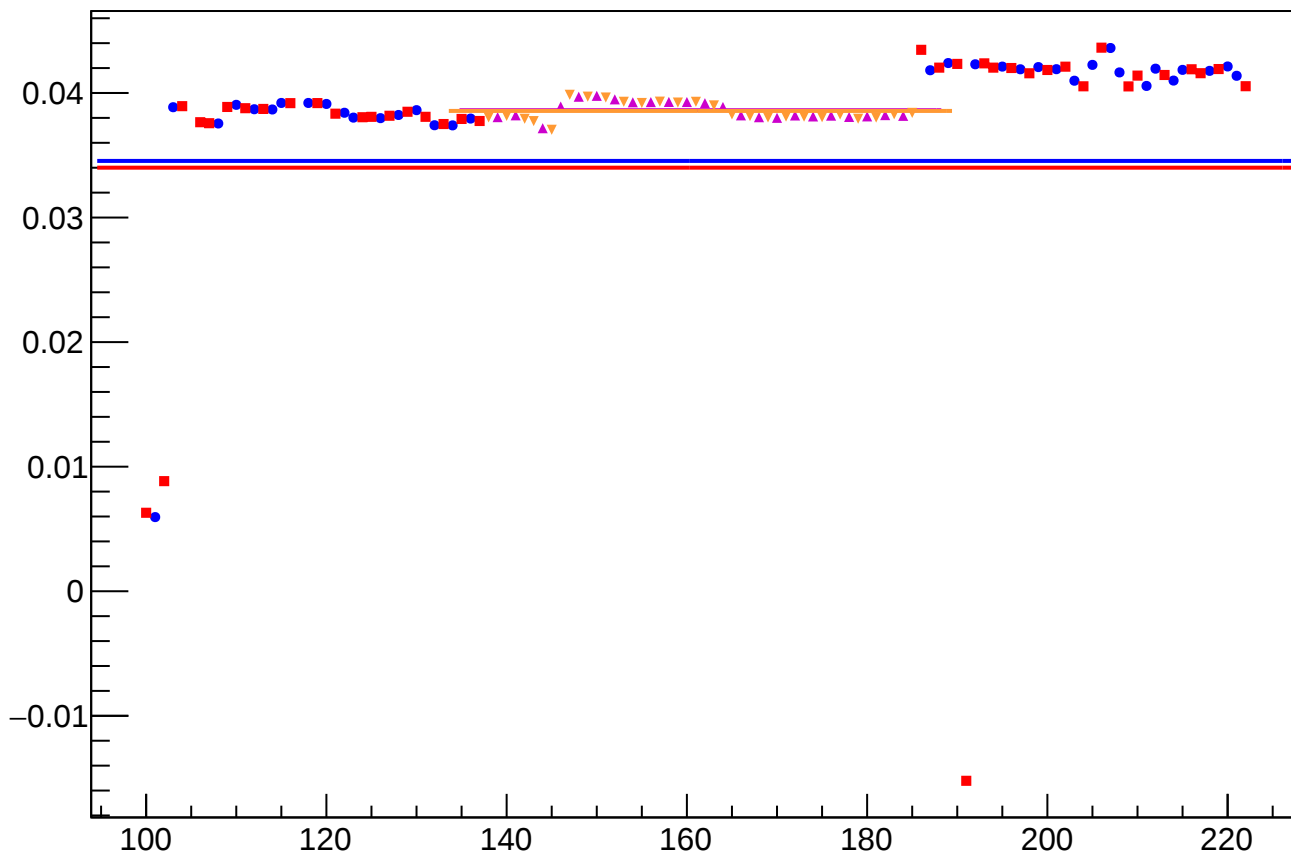
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 51866621.3/59

All: 0.000+/-0.000 χ^2/NDF : 118164324.3/120

- sign 0.000+/-0.000 χ^2/NDF : 61170042.5/60

yield_atr1_mean vs Slug



Right In: 0.035 $\pm$ 0.000 χ^2 /NDF: 124515578794.0/34

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

Right Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 189670600203.3/37

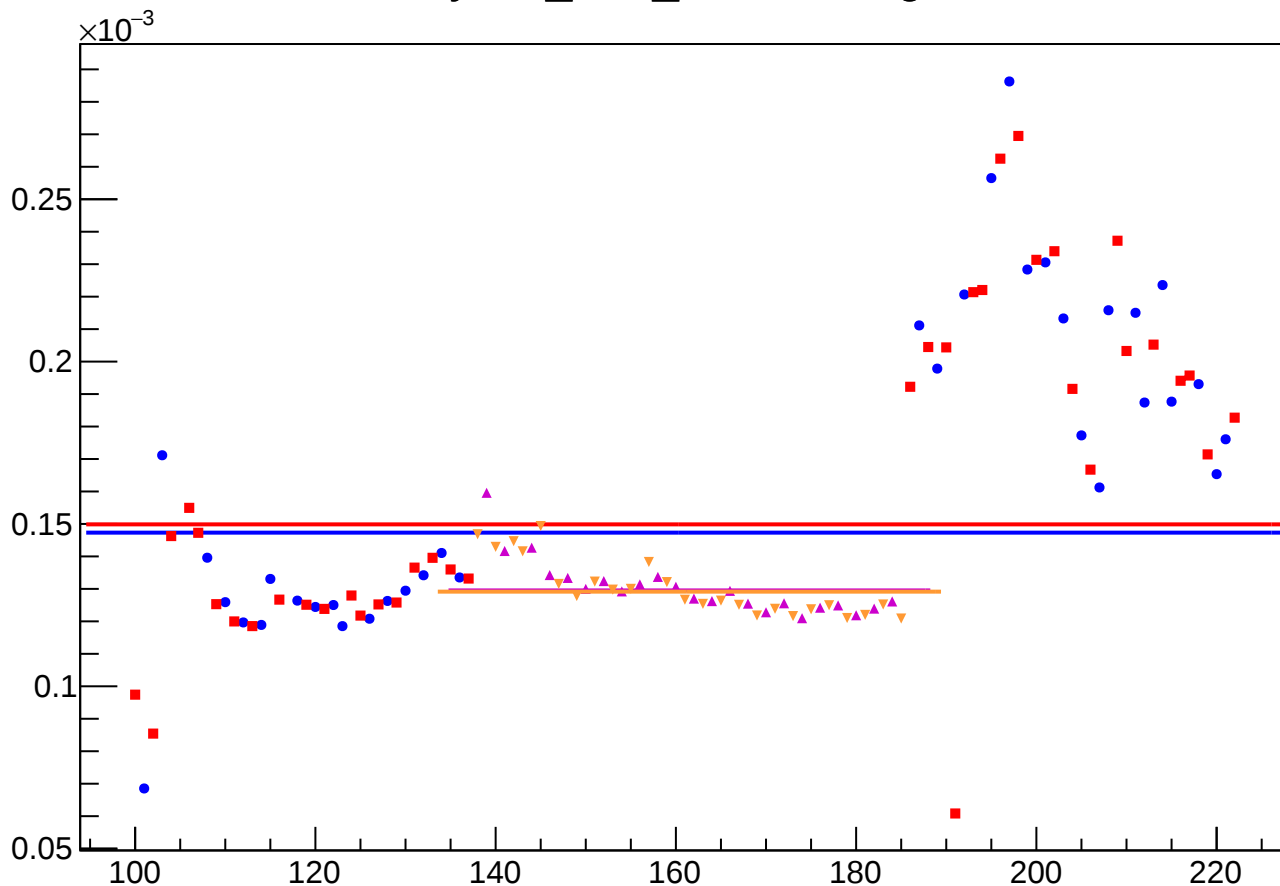
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 132314618057.8/59

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 331939755827.1

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 199557436218.5/60

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 4024142.6/34

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3765439.8/37

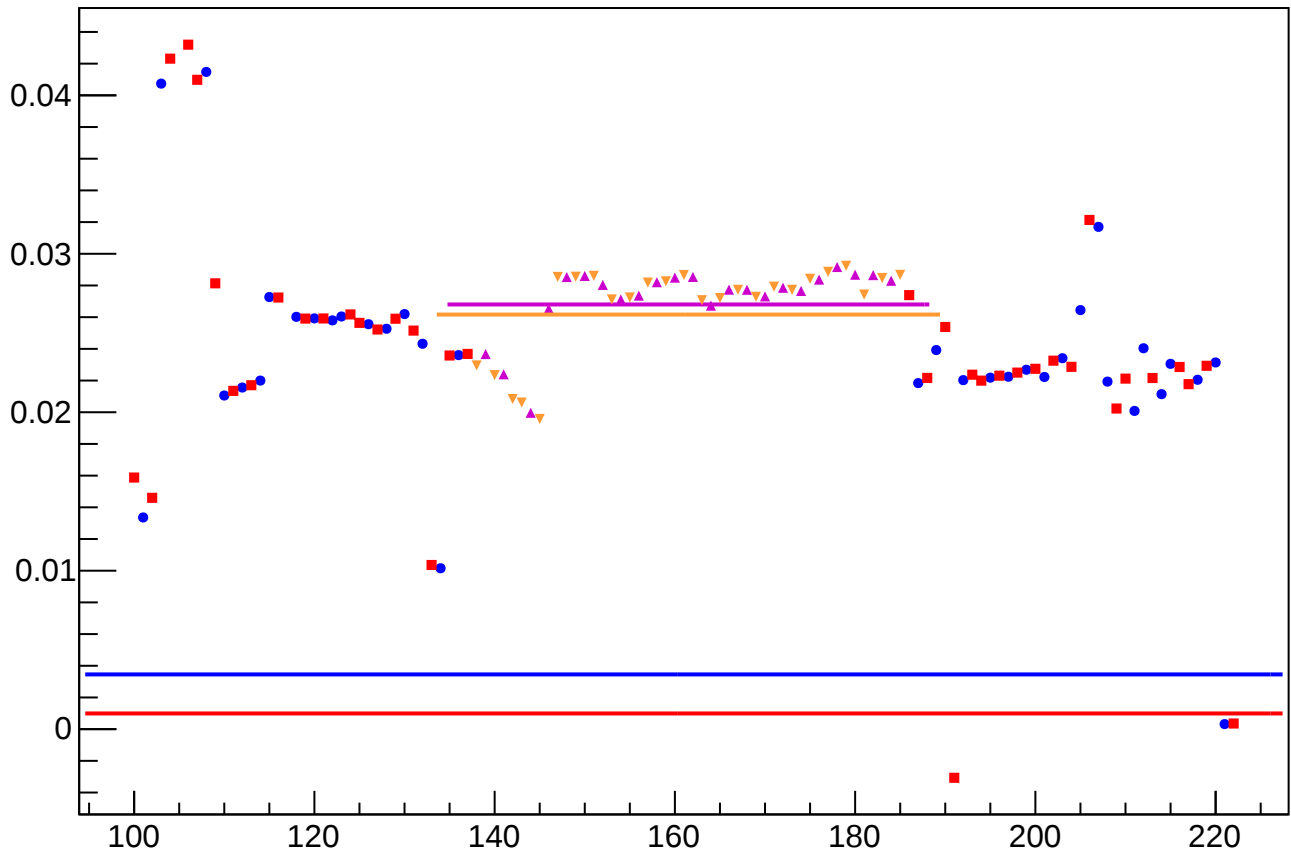
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4452015.6/59

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 8703148.9/120

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4246227.5/60

yield_atr2_mean vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 58885612763.4/34

Left Out: 0.026 $\pm$ 0.000 χ^2 /NDF:2056710635.1/24

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 70643629006.1/37

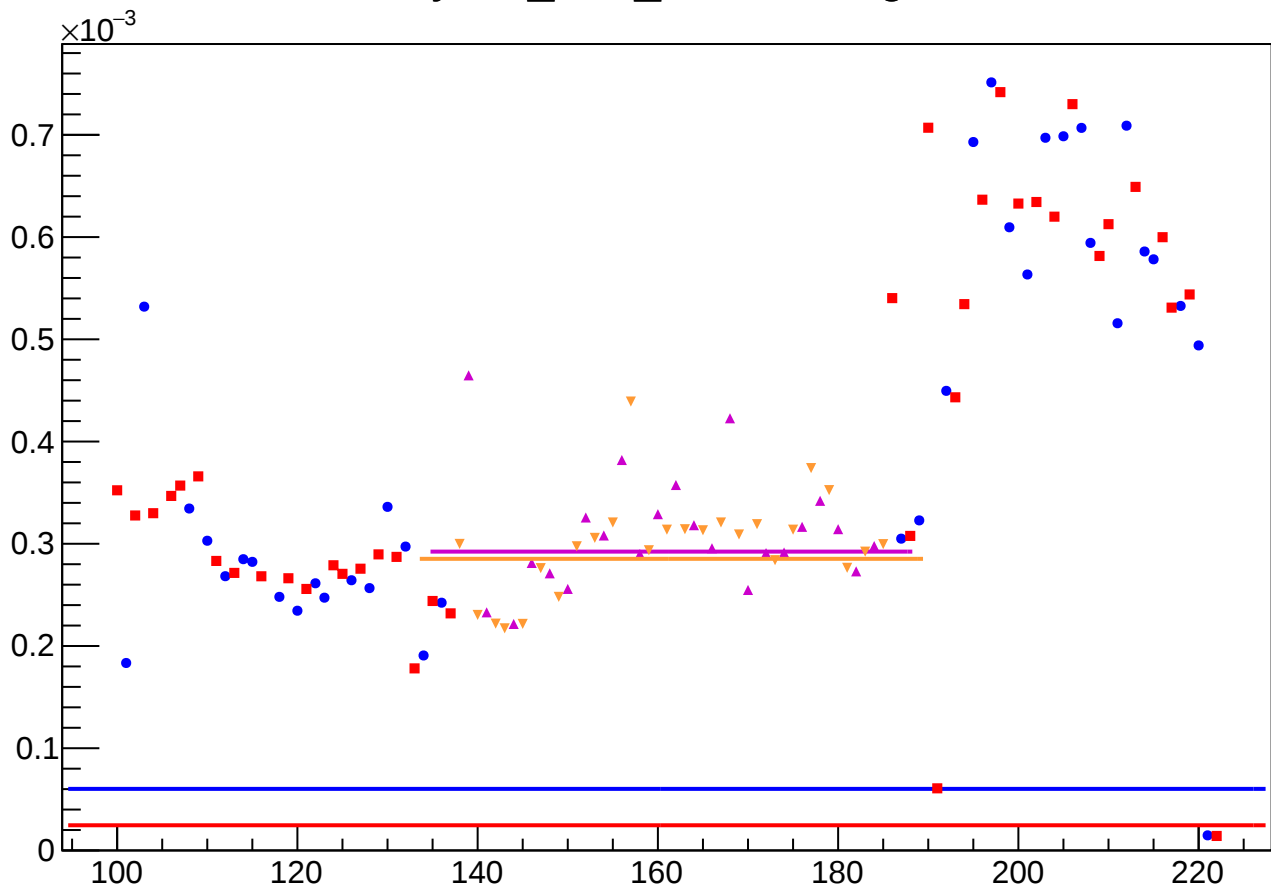
Left In: 0.027 $\pm$ 0.000 χ^2 /NDF:1332033607.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 145889443962.6/59

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 362644326285.3

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 189878866305.8/60

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 29163924.4/34

Left Out: 0.000+/-0.000 χ^2/NDF :813464.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 32520947.2/37

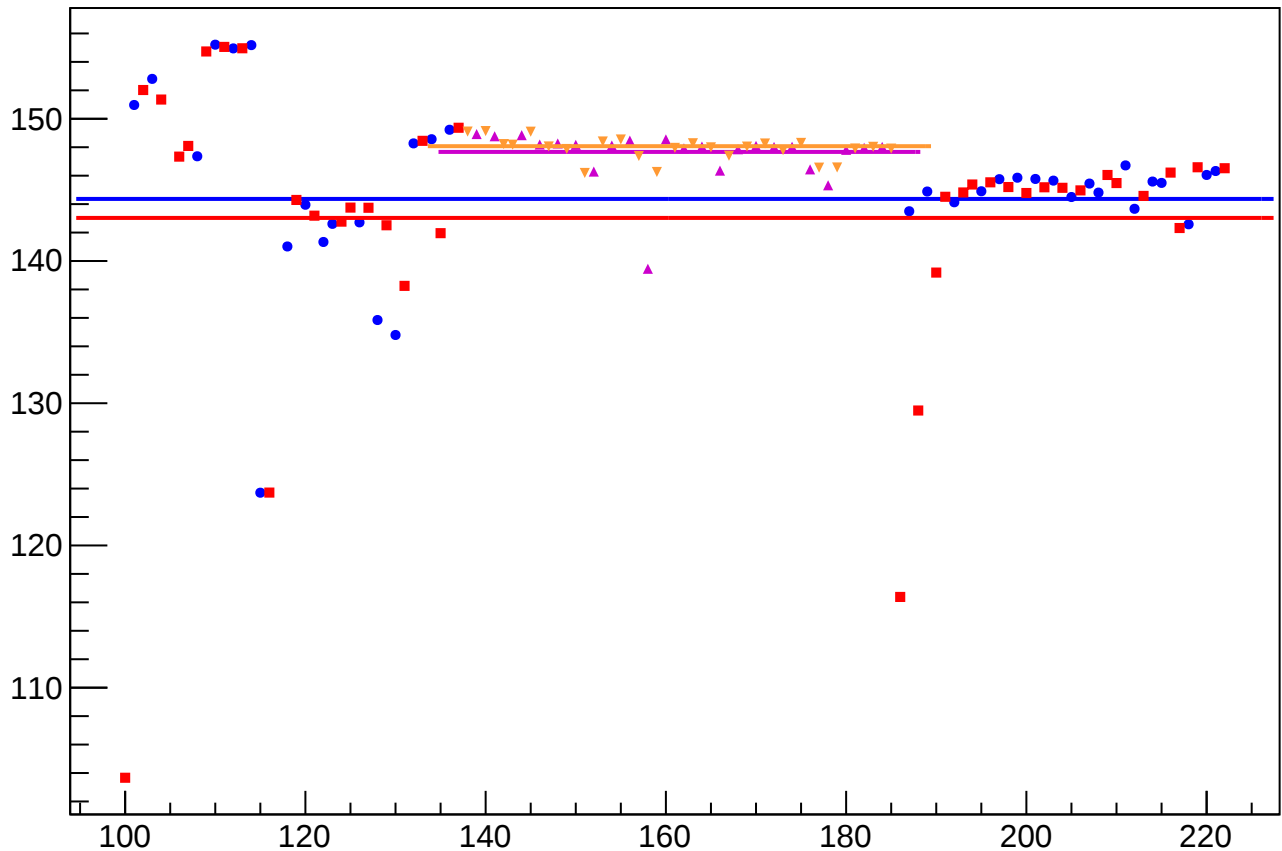
Left In: 0.000+/-0.000 χ^2/NDF :898772.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 46658544.0/59

All: 0.000+/-0.000 χ^2/NDF : 112982694.2/120

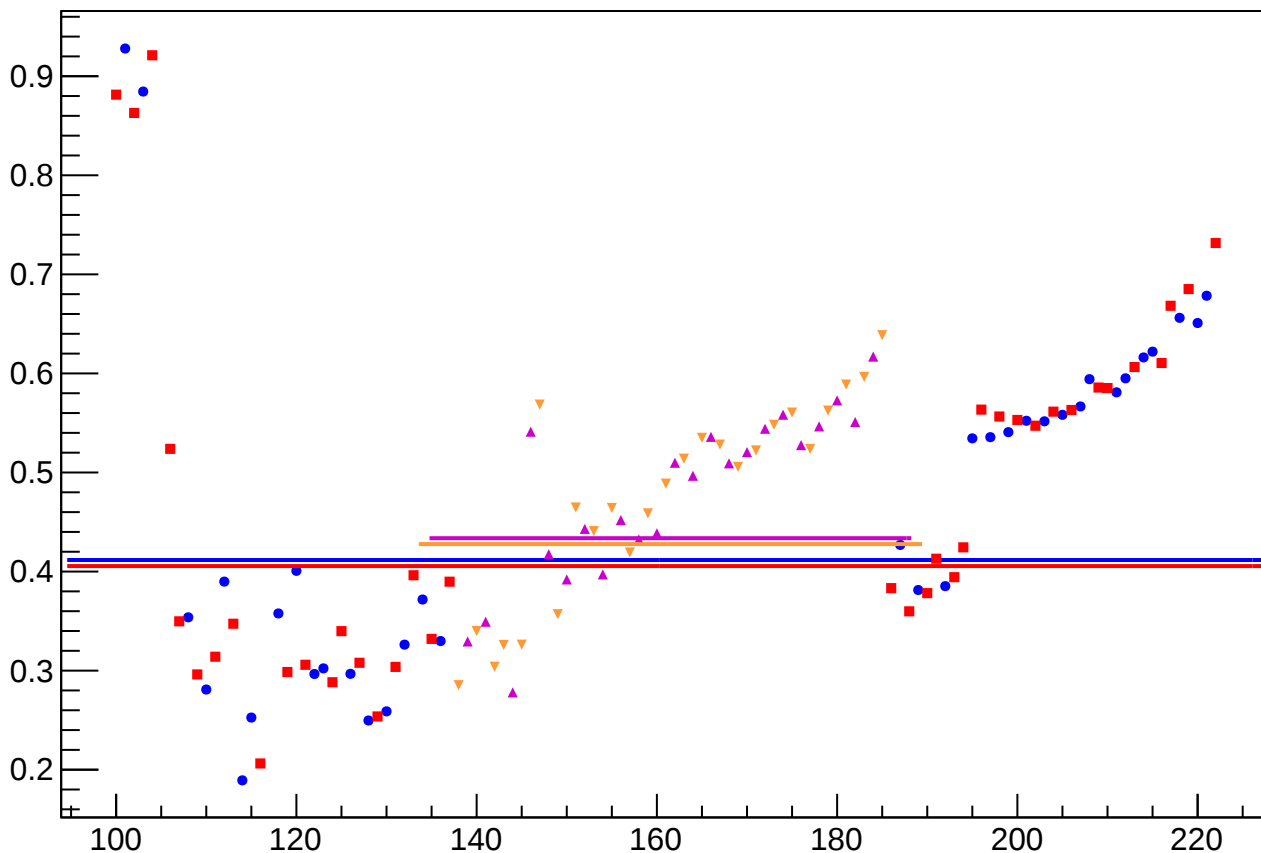
- sign 0.000+/-0.000 χ^2/NDF : 58783207.0/60

yield_bcm_an_ds_mean vs Slug



Right In: 144.365+/-0.000	χ^2/NDF : 3524281773.5/34	+ sign 146.177+/-0.000	χ^2/NDF : 4242082016.3/59
Left Out: 148.073+/-0.000	χ^2/NDF : 65614067.4/24	All: 145.644+/-0.000	χ^2/NDF : 13230382138.
Right Out: 143.030+/-0.000	χ^2/NDF : 7511681852.1/37	- sign 145.118+/-0.000	χ^2/NDF : 8881107238.2/60
Left In: 147.670+/-0.000	χ^2/NDF : 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.412 $\pm$ 0.000 χ^2 /NDF: 4220003.7/34

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1896808.7/24

Right Out: 0.406 $\pm$ 0.000 χ^2 /NDF: 4128367.2/37

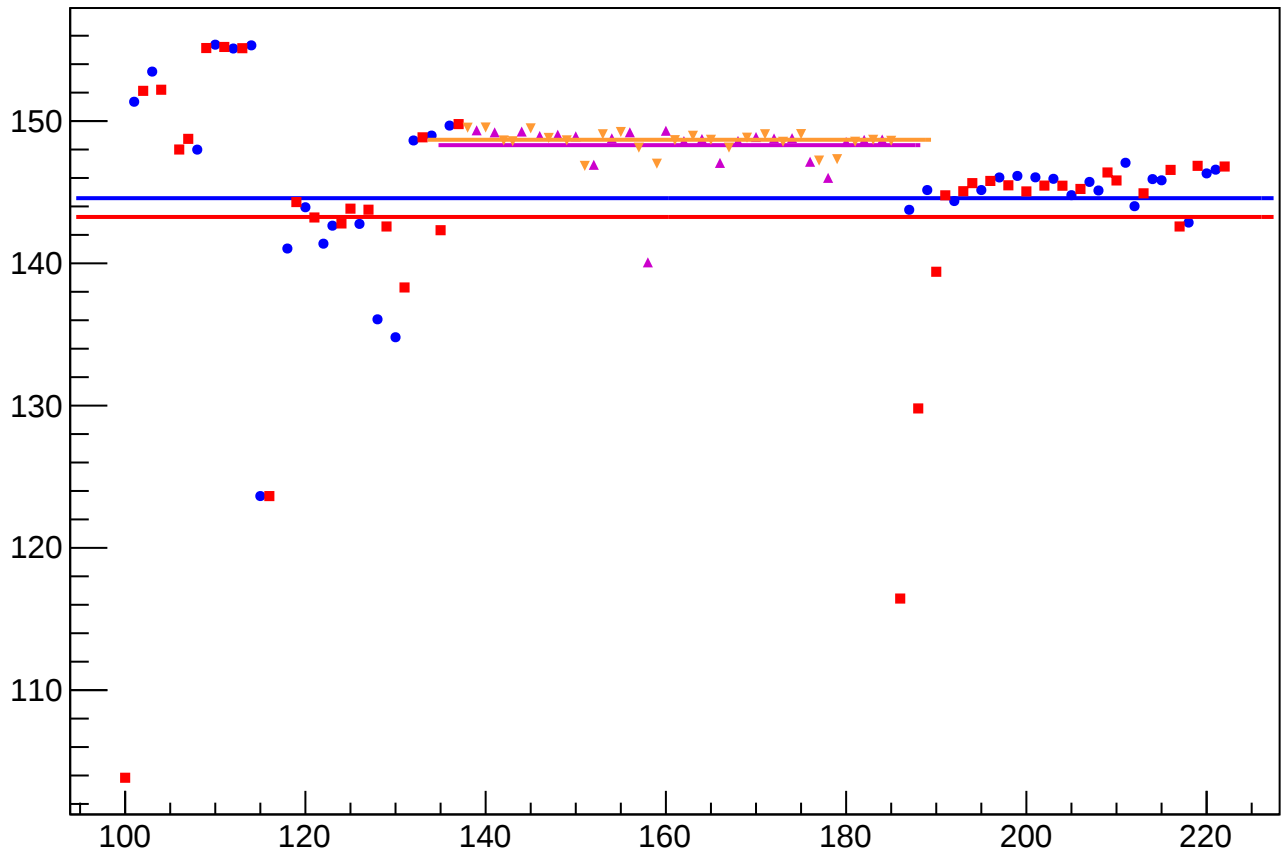
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

+ sign 0.420 $\pm$ 0.000 χ^2 /NDF: 6141366.3/59

All: 0.419 $\pm$ 0.000 χ^2 /NDF: 11841641.1/120

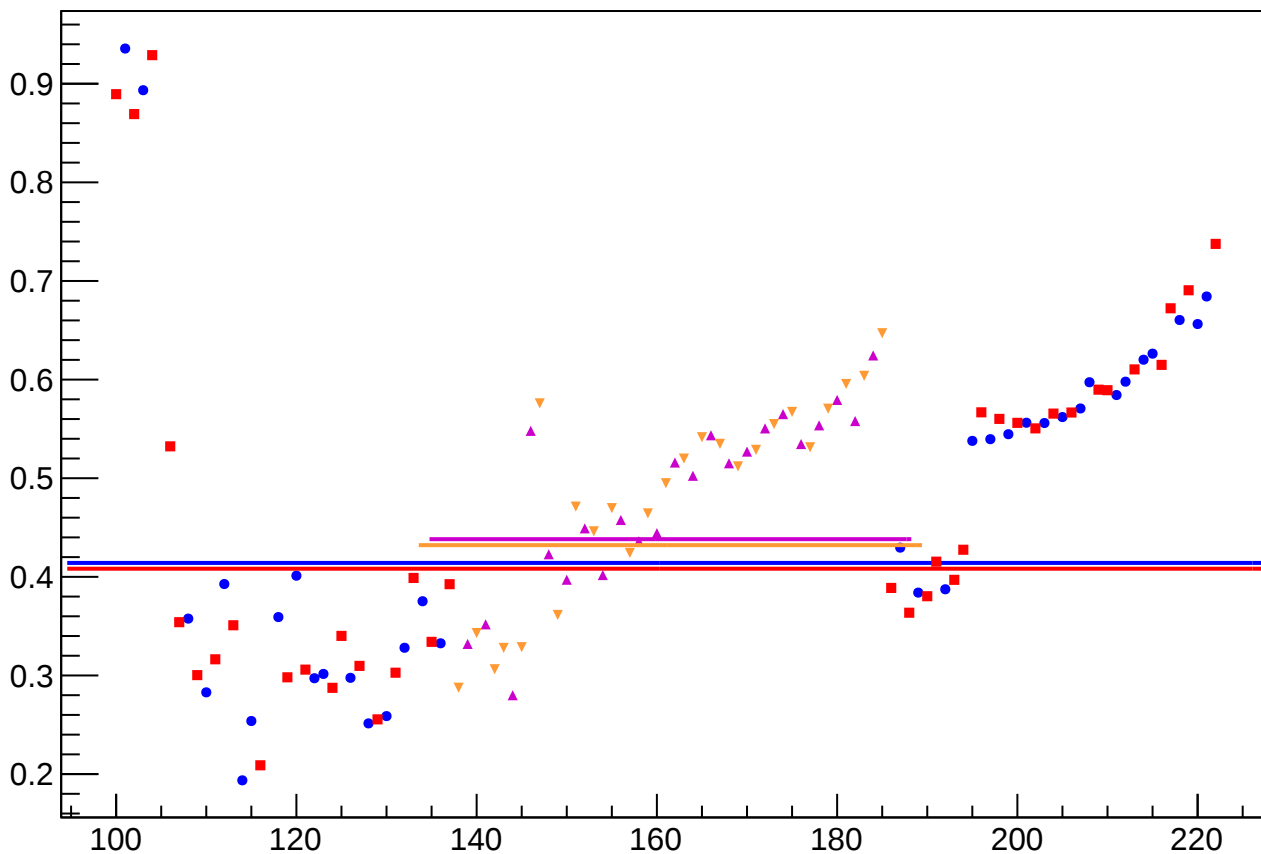
- sign 0.418 $\pm$ 0.000 χ^2 /NDF: 5699948.8/60

yield_bcm_an_ds3_mean vs Slug



Right In: 144.581 ± 0.000 χ^2/NDF : 3575699566.8/34
 Left Out: 148.686 ± 0.000 χ^2/NDF : 52218185.1/24
 Right Out: 143.260 ± 0.000 χ^2/NDF : 7464680939.1/37
 Left In: 148.307 ± 0.000 χ^2/NDF : 333585558.2/22
 All: 146.046 ± 0.000 χ^2/NDF : 13507098843.5/60

yield_bcm_an_ds3_rms vs Slug



Right In: 0.414 $\pm$ 0.000 χ^2 /NDF: 4231521.8/34

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1929031.5/24

Right Out: 0.408 $\pm$ 0.000 χ^2 /NDF: 4134174.0/37

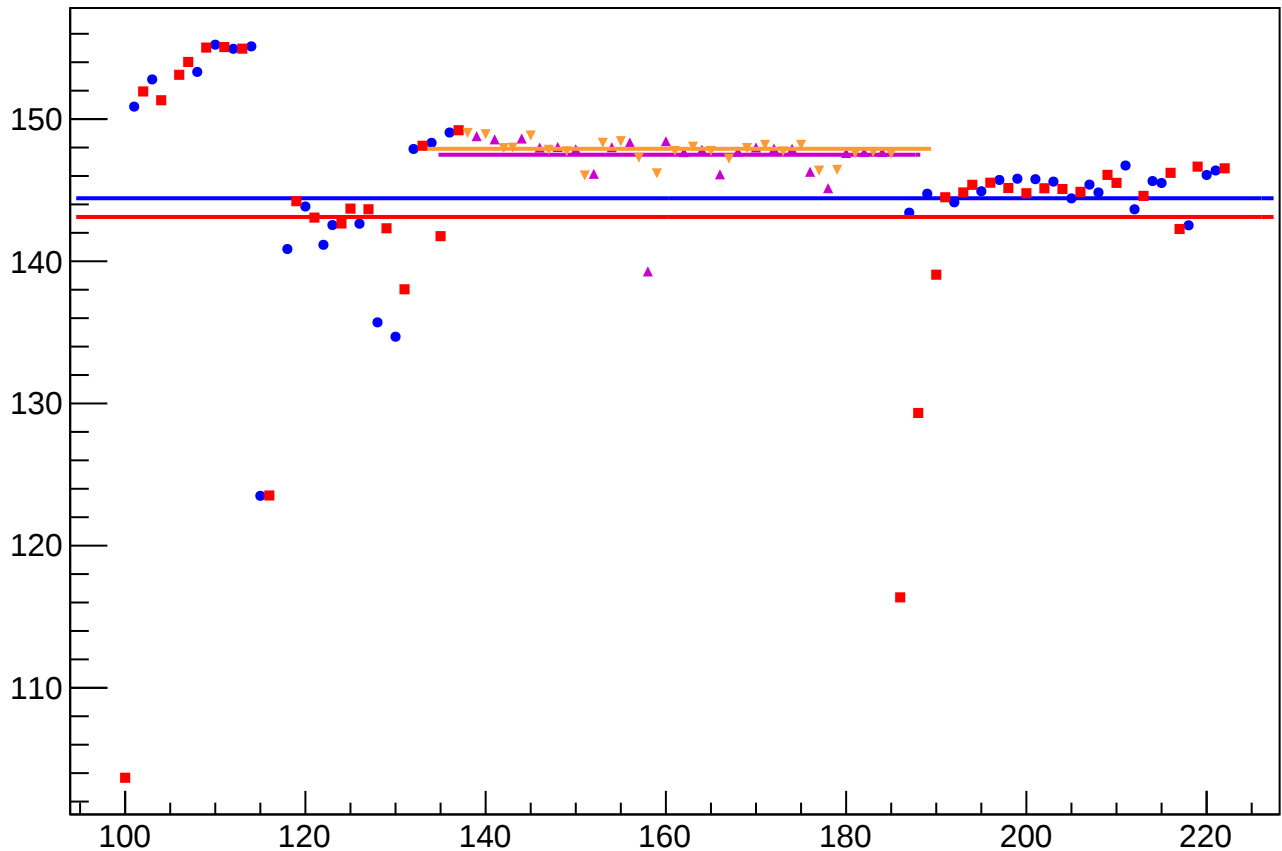
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

+ sign 0.423 $\pm$ 0.000 χ^2 /NDF: 6190821.9/59

All: 0.422 $\pm$ 0.000 χ^2 /NDF: 11931001.4/120

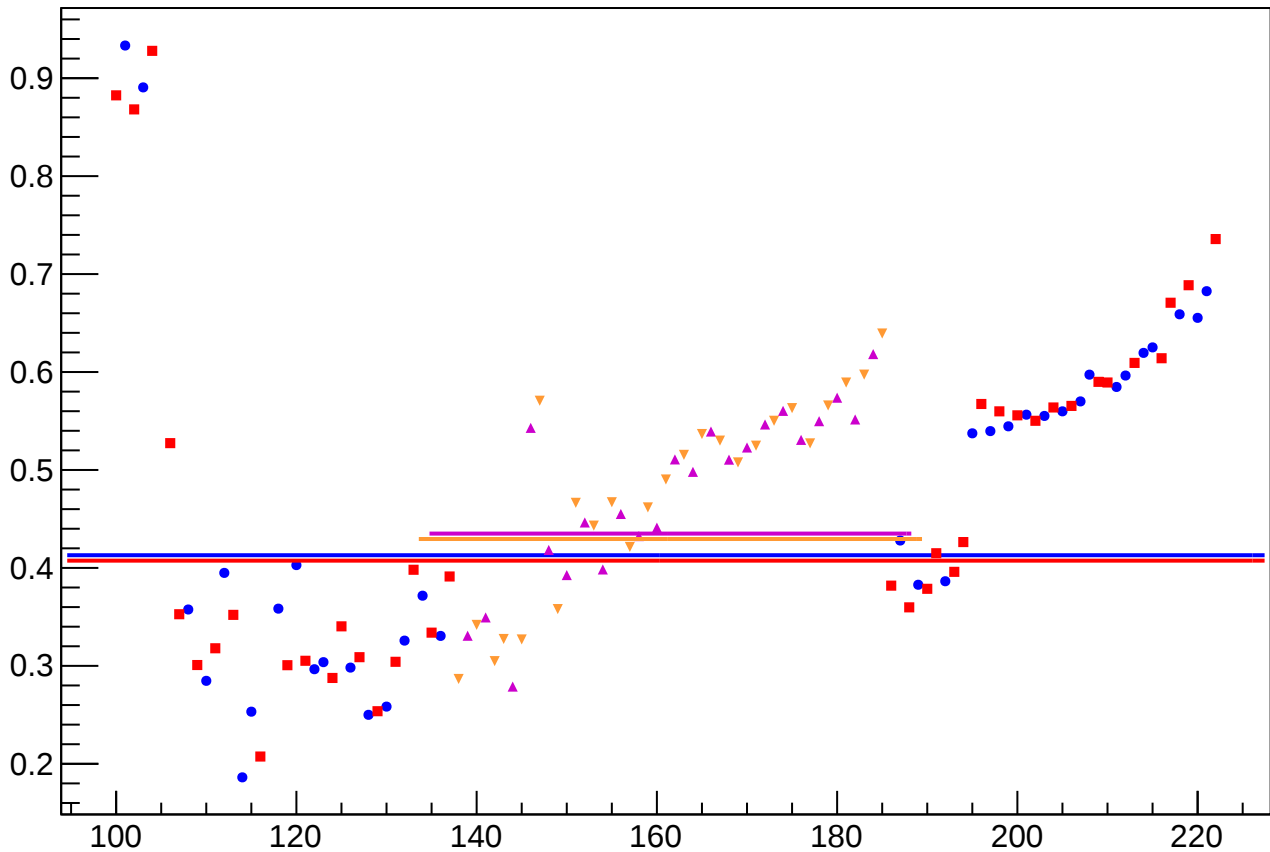
- sign 0.422 $\pm$ 0.000 χ^2 /NDF: 5739906.4/60

yield_bcm_an_us_mean vs Slug



Right In: 144.433+/-0.000	χ^2/NDF : 3729859203.9/34	+ sign 146.132+/-0.000	χ^2/NDF : 4363555443.6/59
Left Out: 147.911+/-0.000	χ^2/NDF : 64412407.9/24	All: 145.608+/-0.000	χ^2/NDF : 13598087329.
Right Out: 143.117+/-0.000	χ^2/NDF : 7883651192.7/37	- sign 145.089+/-0.000	χ^2/NDF : 9131442493.1/60
Left In: 147.493+/-0.000	χ^2/NDF : 343978473.2/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.413 $\pm$ 0.000 χ^2 /NDF: 4263748.1/34

Left Out: 0.430 $\pm$ 0.000 χ^2 /NDF:1895701.4/24

Right Out: 0.407 $\pm$ 0.000 χ^2 /NDF: 4136387.7/37

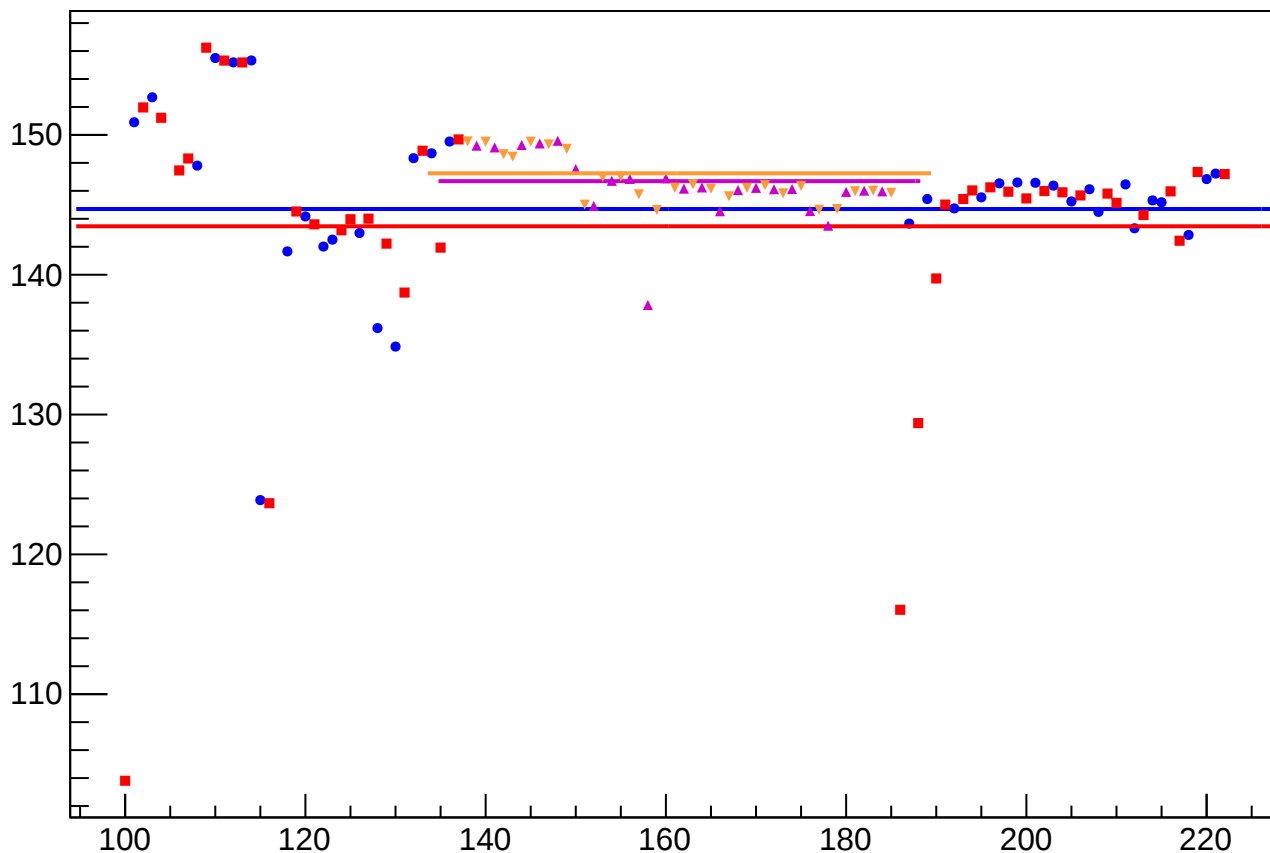
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1502712.5/22

+ sign 0.421 $\pm$ 0.000 χ^2 /NDF: 6185261.2/59

All: 0.420 $\pm$ 0.000 χ^2 /NDF: 11896615.0/120

- sign 0.420 $\pm$ 0.000 χ^2 /NDF: 5711094.4/60

yield_bcm_dg_us_mean vs Slug



Right In: 144.701 $\pm$ 0.000 χ^2 /NDF: 3253689932.6/34

Left Out: 147.255 $\pm$ 0.000 χ^2 /NDF: 262138049.8/24

Right Out: 143.466 $\pm$ 0.000 χ^2 /NDF: 7201274114.3/37

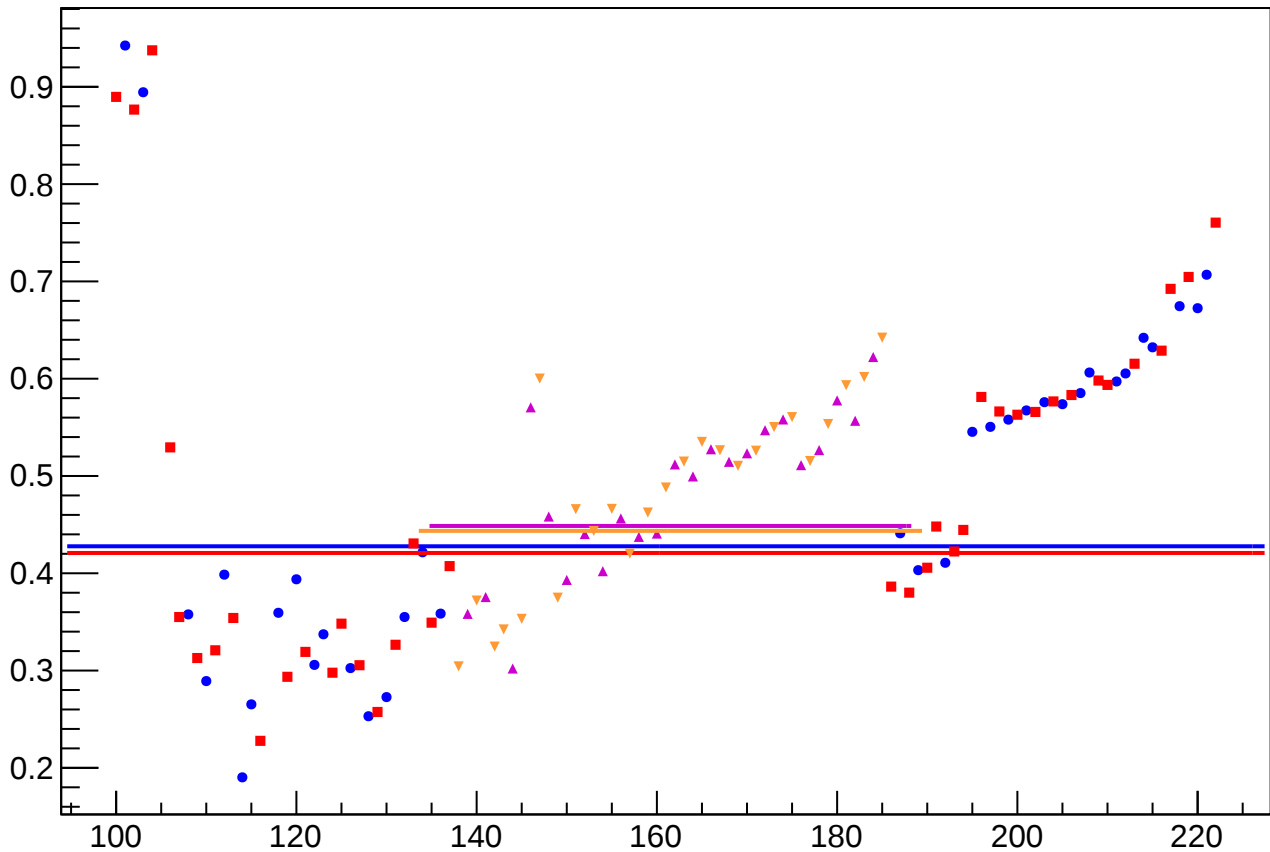
Left In: 146.695 $\pm$ 0.000 χ^2 /NDF: 557896803.1/22

+ sign 145.958 $\pm$ 0.000 χ^2 /NDF: 3804298988.8/59

All: 145.441 $\pm$ 0.000 χ^2 /NDF: 12121857046.

- sign 144.932 $\pm$ 0.000 χ^2 /NDF: 8223802732.7/60

yield_bcm_dg_us_rms vs Slug



Right In: 0.428 $\pm$ 0.000 χ^2 /NDF: 4124577.3/34

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.421 $\pm$ 0.000 χ^2 /NDF: 4017957.3/37

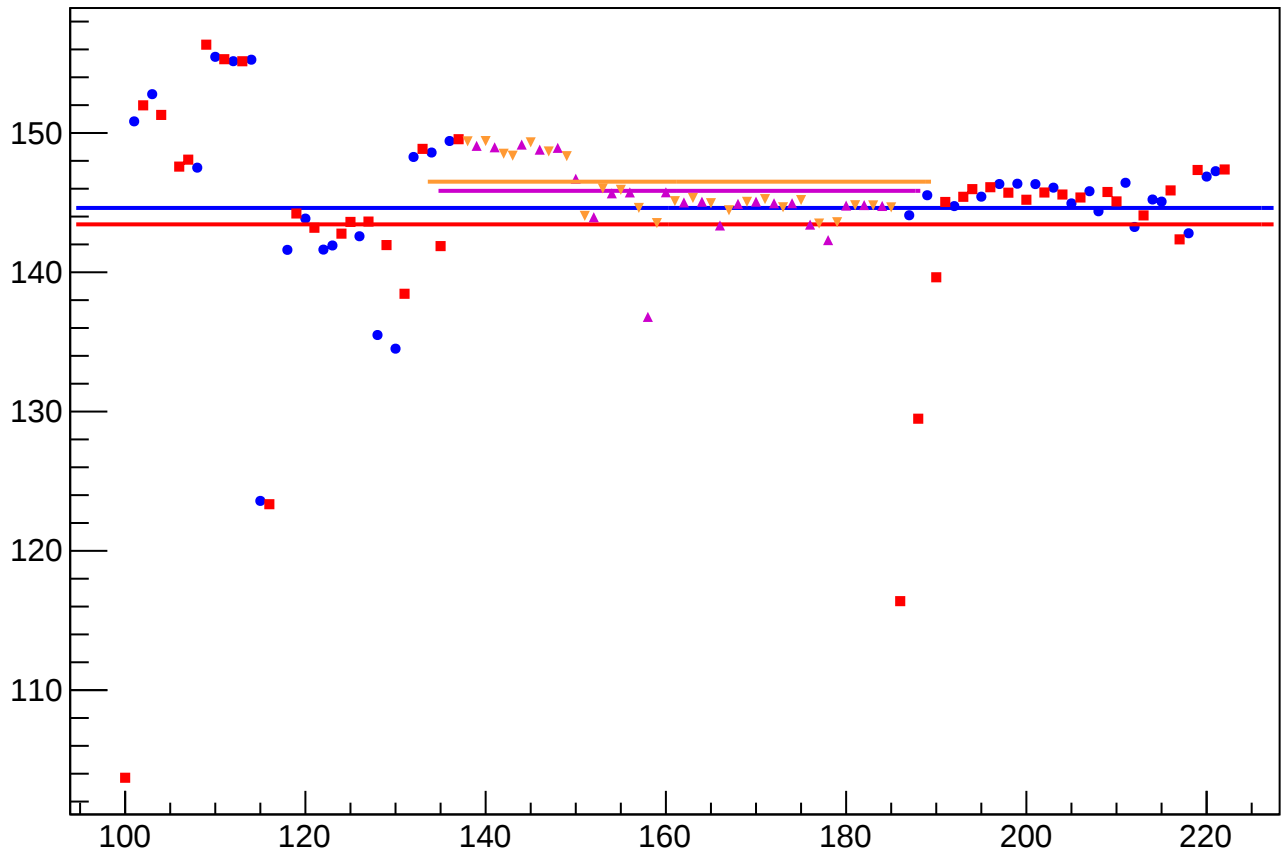
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.436 $\pm$ 0.000 χ^2 /NDF: 5630214.1/59

All: 0.435 $\pm$ 0.000 χ^2 /NDF: 10850162.4/120

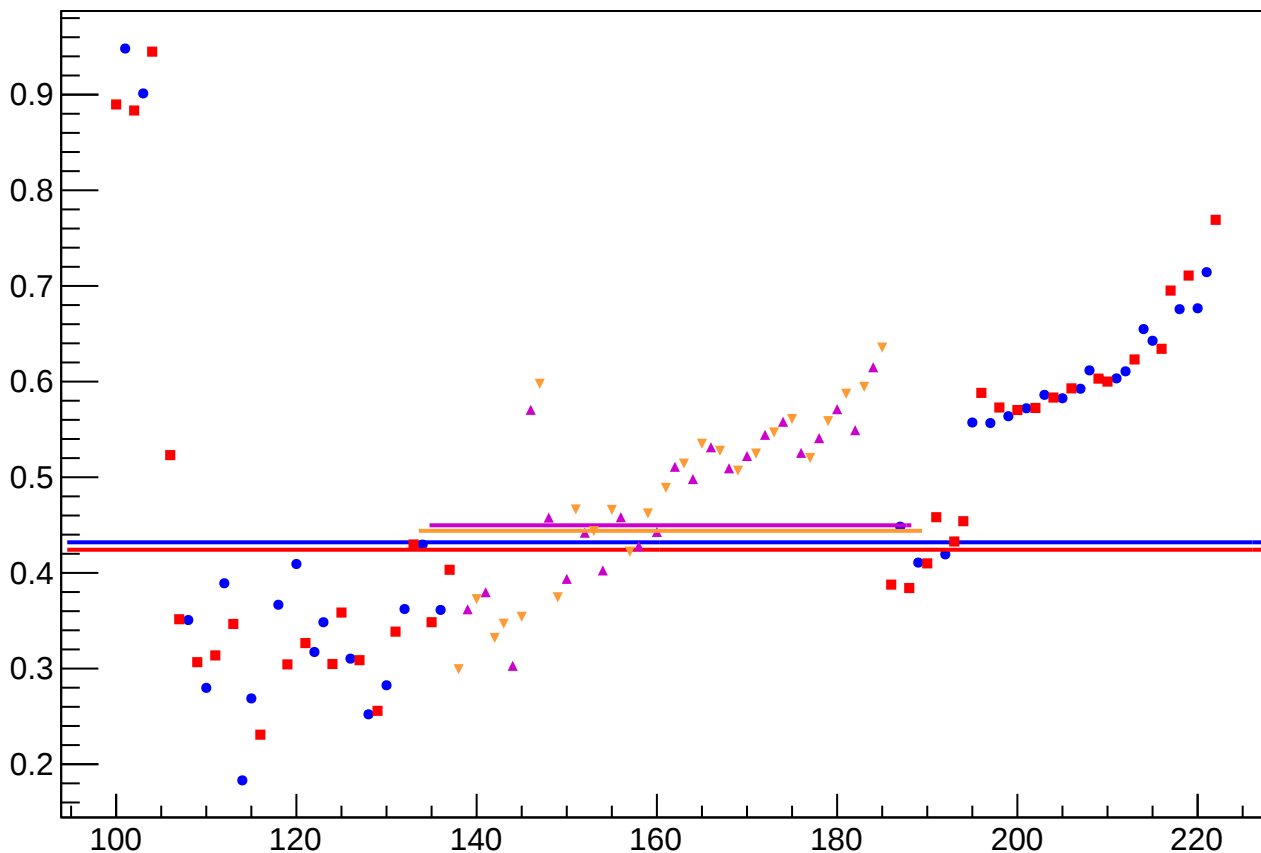
- sign 0.433 $\pm$ 0.000 χ^2 /NDF: 5219198.4/60

yield_bcm_dg_ds_mean vs Slug



Right In: 144.619 $\pm$ 0.000	χ^2 /NDF: 3364377110.8/34	+ sign 145.557 $\pm$ 0.000	χ^2 /NDF: 3921410205.2/59
Left Out: 146.505 $\pm$ 0.000	χ^2 /NDF: 401688176.3/24	All: 145.045 $\pm$ 0.000	χ^2 /NDF: 12116736937.
Right Out: 143.440 $\pm$ 0.000	χ^2 /NDF: 7154585463.6/37	- sign 144.541 $\pm$ 0.000	χ^2 /NDF: 8104451067.2/60
Left In: 145.847 $\pm$ 0.000	χ^2 /NDF: 694764545.6/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.432 $\pm$ 0.000 χ^2 /NDF: 4172675.4/34

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.424 $\pm$ 0.000 χ^2 /NDF: 4054091.5/37

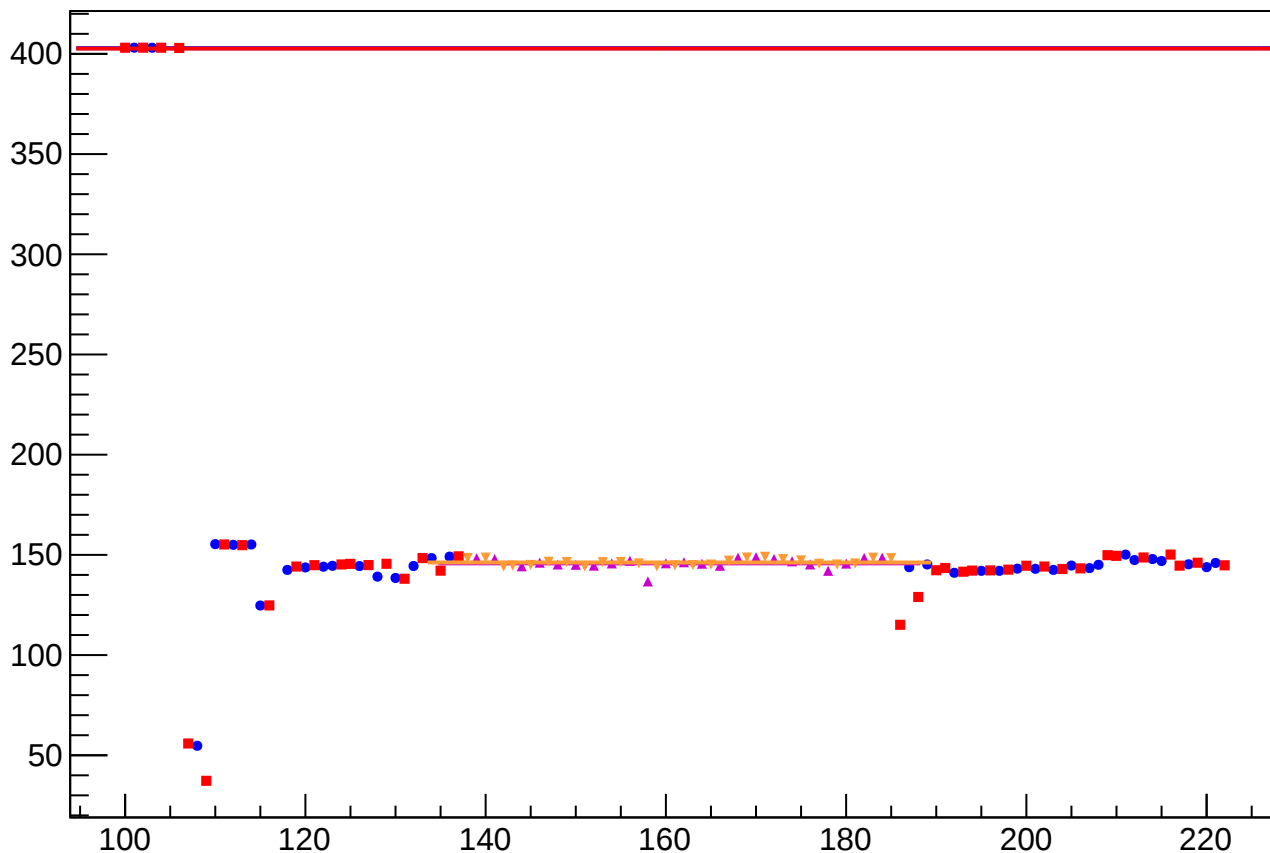
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.438 $\pm$ 0.000 χ^2 /NDF: 5648577.7/59

All: 0.437 $\pm$ 0.000 χ^2 /NDF: 10866327.0/120

- sign 0.436 $\pm$ 0.000 χ^2 /NDF: 5217002.1/60

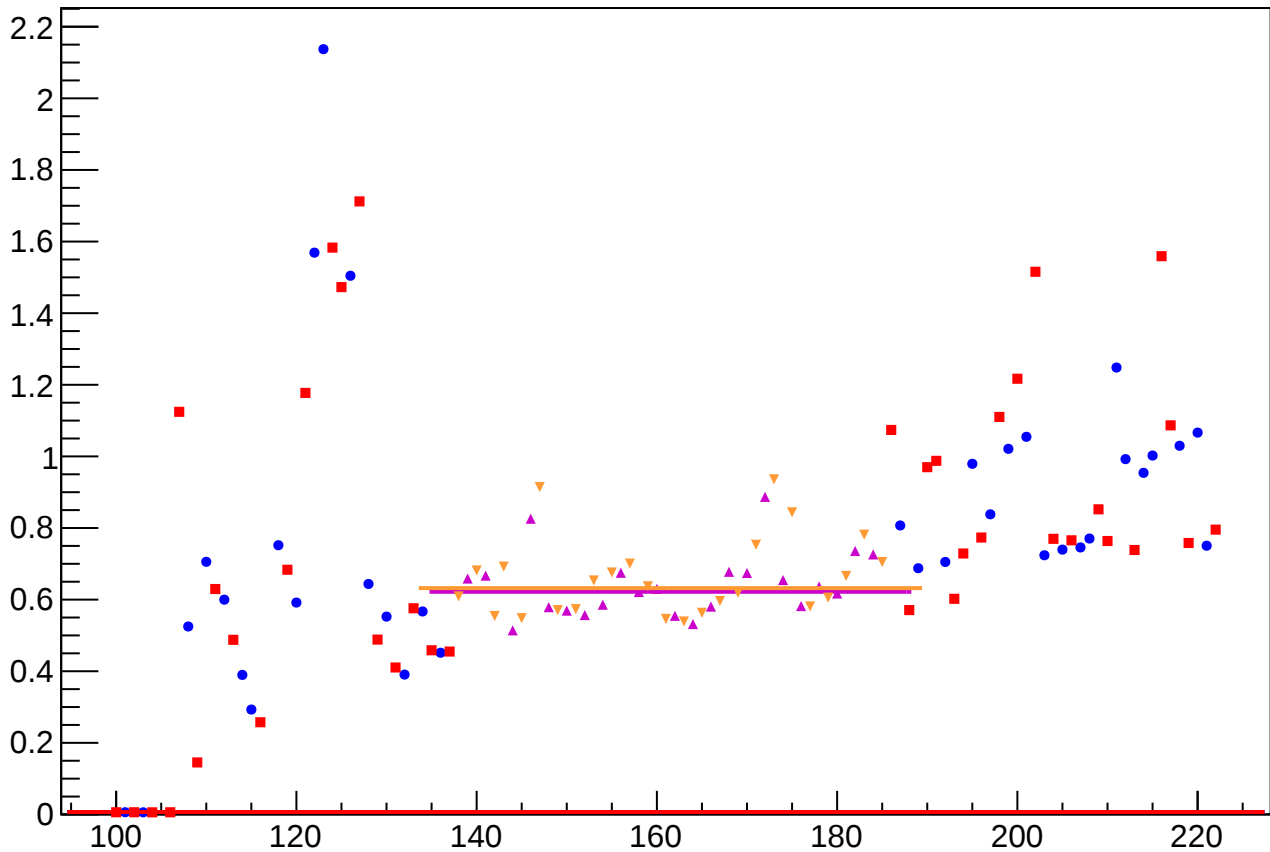
yield_cav4bQ_mean vs Slug



Right In: 402.843+/-0.000 χ^2/NDF : 2017293606477.2/34
Left Out: 146.205+/-0.000 χ^2/NDF : 86658381.3/24
Right Out: 402.669+/-0.000 χ^2/NDF : 4293551815950.8/37
Left In: 145.773+/-0.000 χ^2/NDF : 207332354.9/22

+ sign 402.547+/-0.000 χ^2/NDF : 4387175562707.1
All: 402.474+/-0.000 χ^2/NDF : 110261146142
- sign 402.411+/-0.000 χ^2/NDF : 6638631290290.6

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 29475865.4/34

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 32024714.0/37

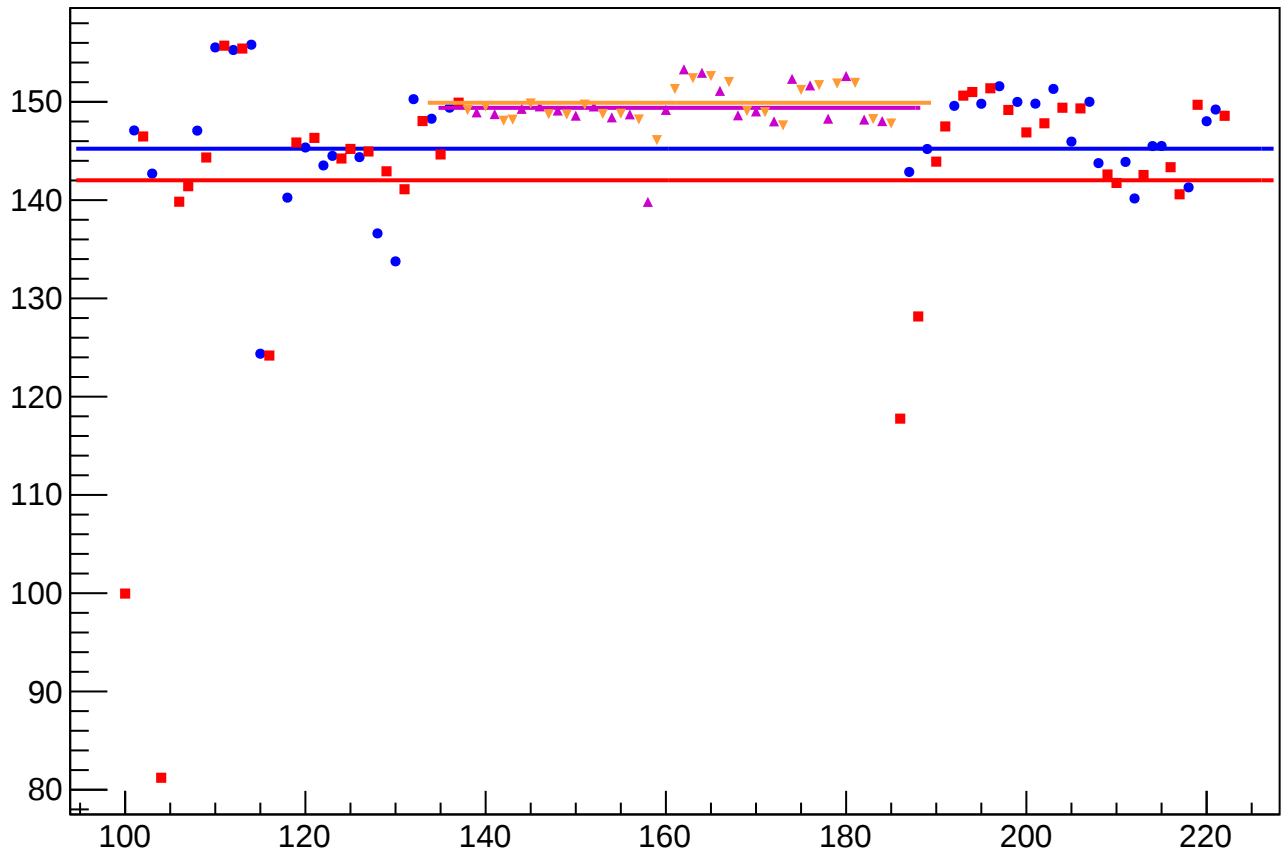
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 58235823.0/59

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 117561948.7/120

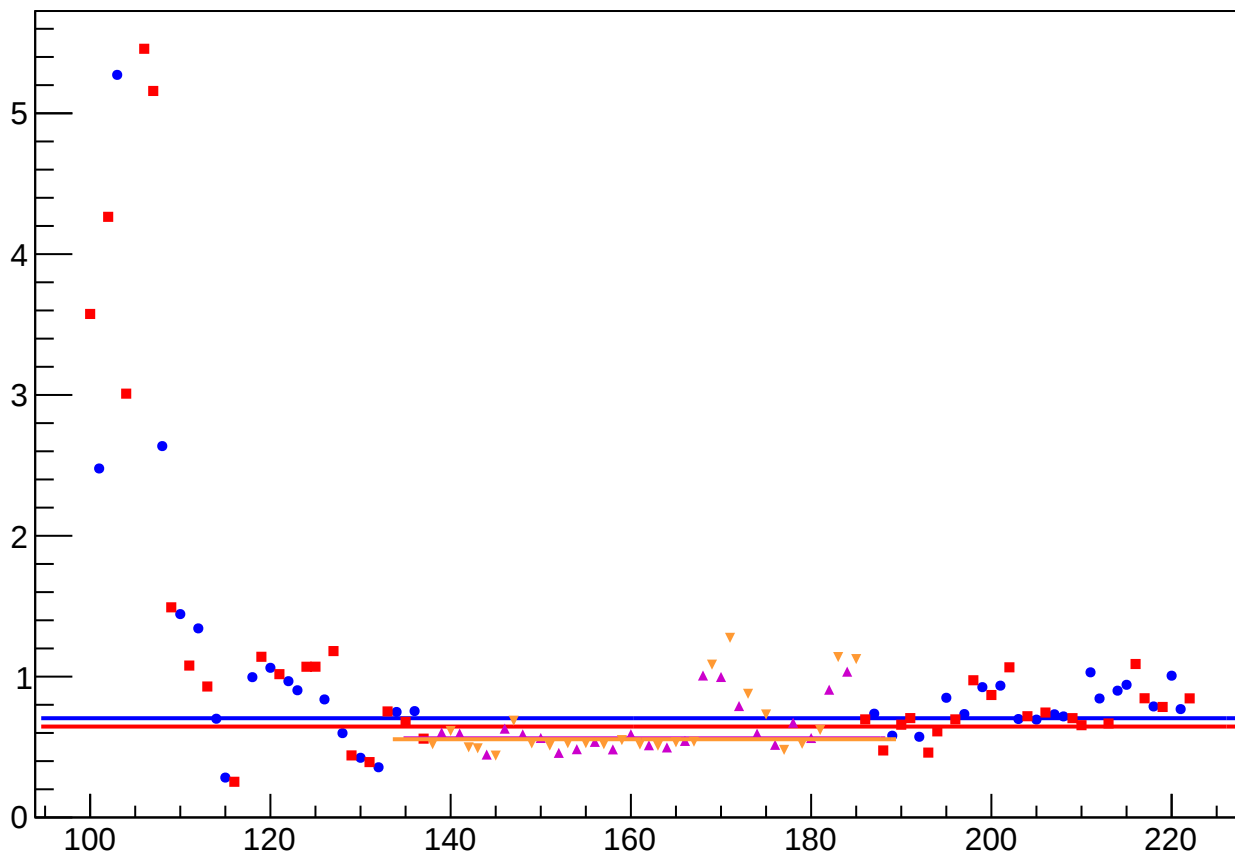
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 59325805.5/60

yield_cav4cQ_mean vs Slug



Right In: 145.232 $\pm$ 0.000	χ^2 /NDF: 1396884768.4/34	+ sign 148.246 $\pm$ 0.000	χ^2 /NDF: 1955242331.3/59
Left Out: 149.906 $\pm$ 0.000	χ^2 /NDF: 163261802.4/24	All: 147.239 $\pm$ 0.000	χ^2 /NDF: 7029494192.8
Right Out: 142.018 $\pm$ 0.000	χ^2 /NDF: 3386482549.0/37	- sign 146.274 $\pm$ 0.000	χ^2 /NDF: 4917335014.3/60
Left In: 149.391 $\pm$ 0.000	χ^2 /NDF: 437129920.4/22		

yield_cav4cQ_rms vs Slug



Right In: 0.705 ± 0.000 χ^2/NDF : 4507454.7/34

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.645 ± 0.000 χ^2/NDF : 6059308.3/37

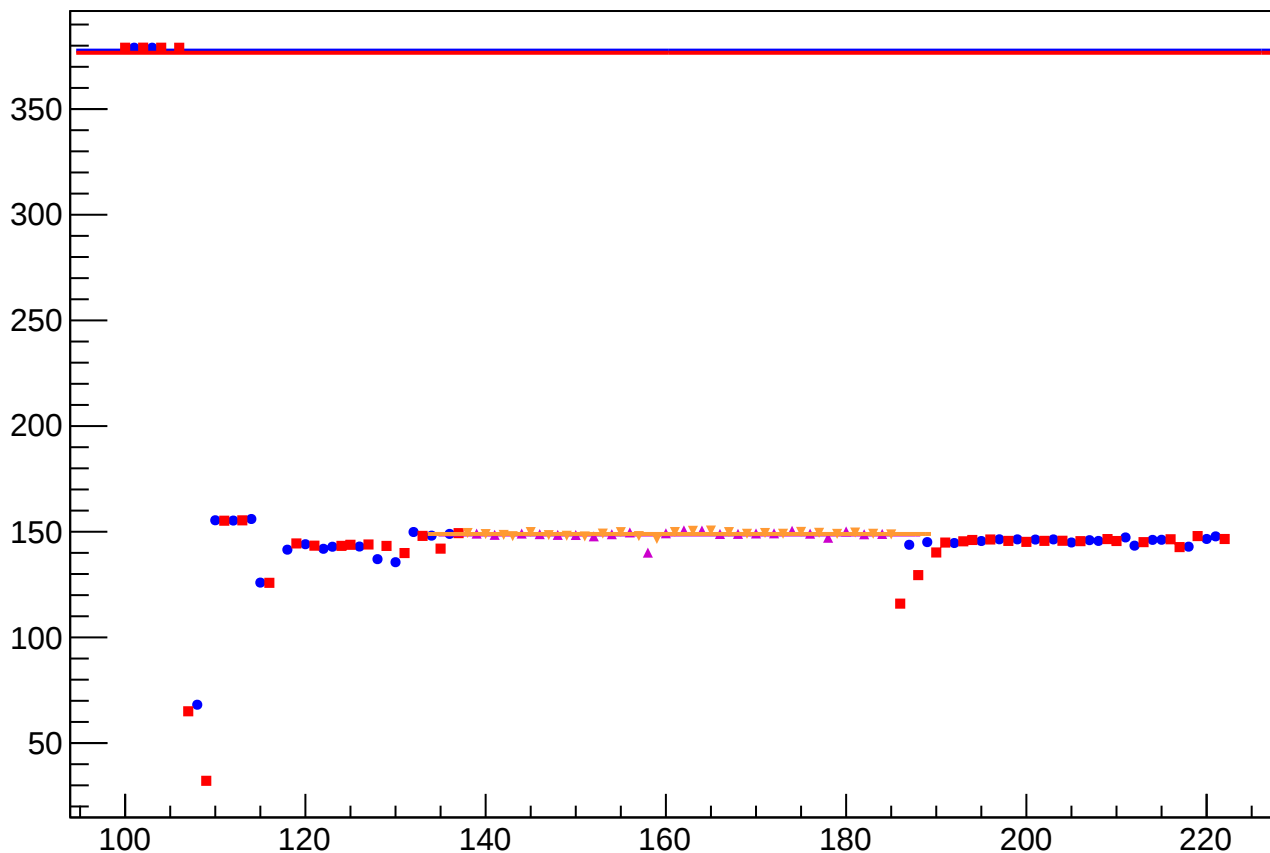
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.608 ± 0.000 χ^2/NDF : 7086981.6/59

All: 0.603 ± 0.000 χ^2/NDF : 14746922.8/120

- sign 0.597 ± 0.000 χ^2/NDF : 7649982.2/60

yield_cav4dQ_mean vs Slug



Right In: 377.656 $\pm$ 0.000 χ^2 /NDF: 4448172953959.0/34

Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24

Right Out: 376.644 $\pm$ 0.000 χ^2 /NDF: 10582616096032.4/37

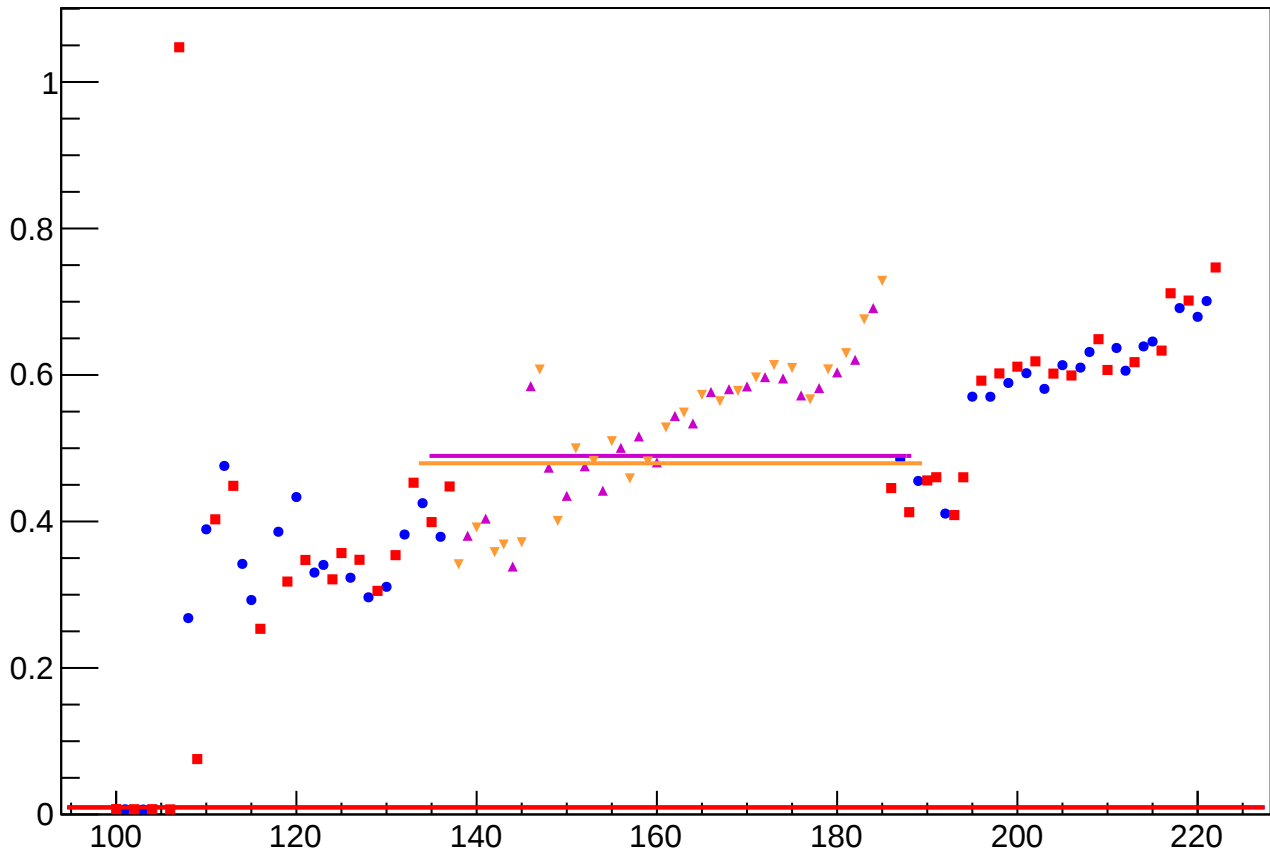
Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22

+ sign 376.381 $\pm$ 0.000 χ^2 /NDF: 8342208053480.2

All: 375.974 $\pm$ 0.000 χ^2 /NDF: 224940573513

- sign 375.617 $\pm$ 0.000 χ^2 /NDF: 14147676154226.8

yield_cav4dQ_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 33764930.7/34

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1518765.9/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 34618036.1/37

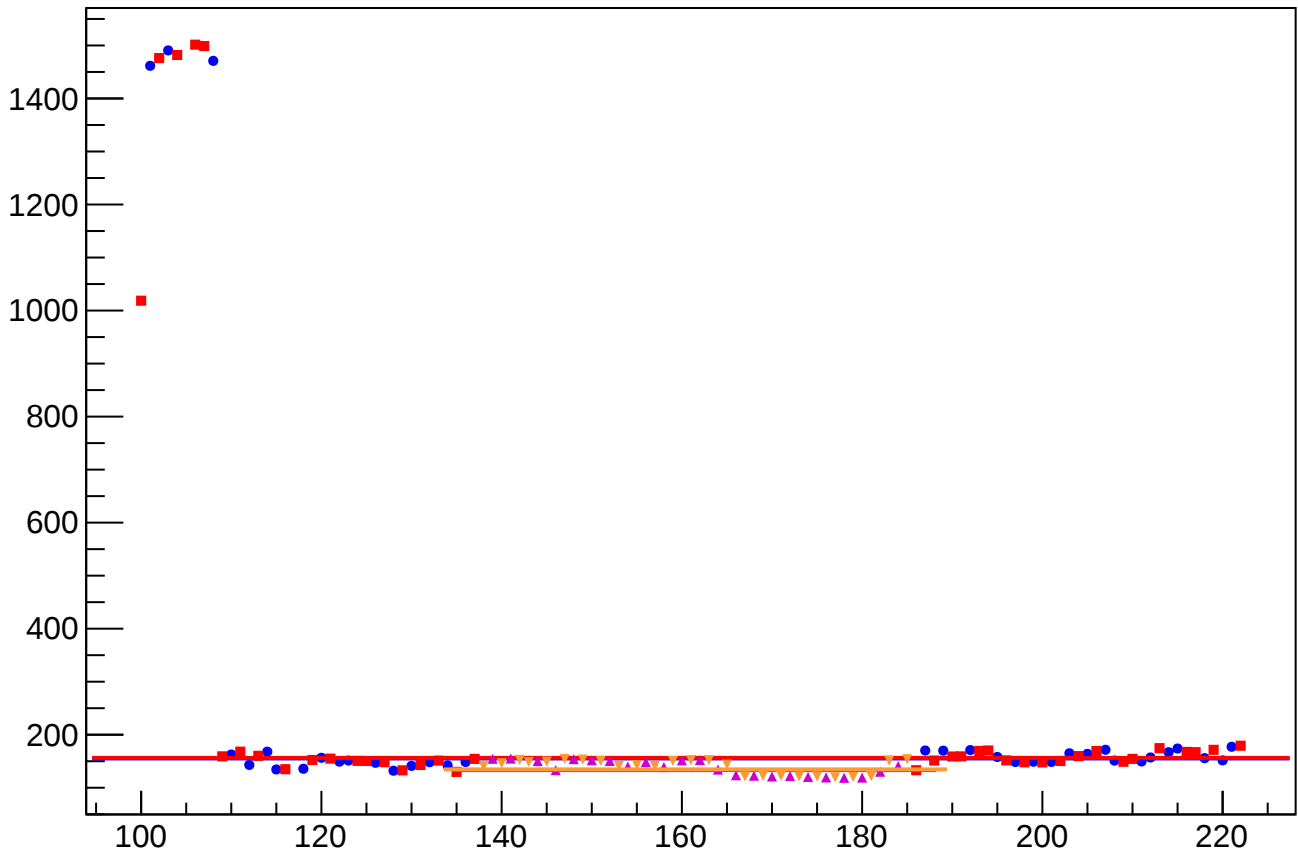
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 68148407.0/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 135456929.8/120

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 67304962.8/60

yield_bcm0l02_mean vs Slug



Right In: 155.262 $\pm$ 0.000 χ^2 /NDF: 26285909639.3/34

Left Out: 134.585 $\pm$ 0.000 χ^2 /NDF: 4387324151.1/24

Right Out: 156.277 $\pm$ 0.000 χ^2 /NDF: 35648215025.0/37

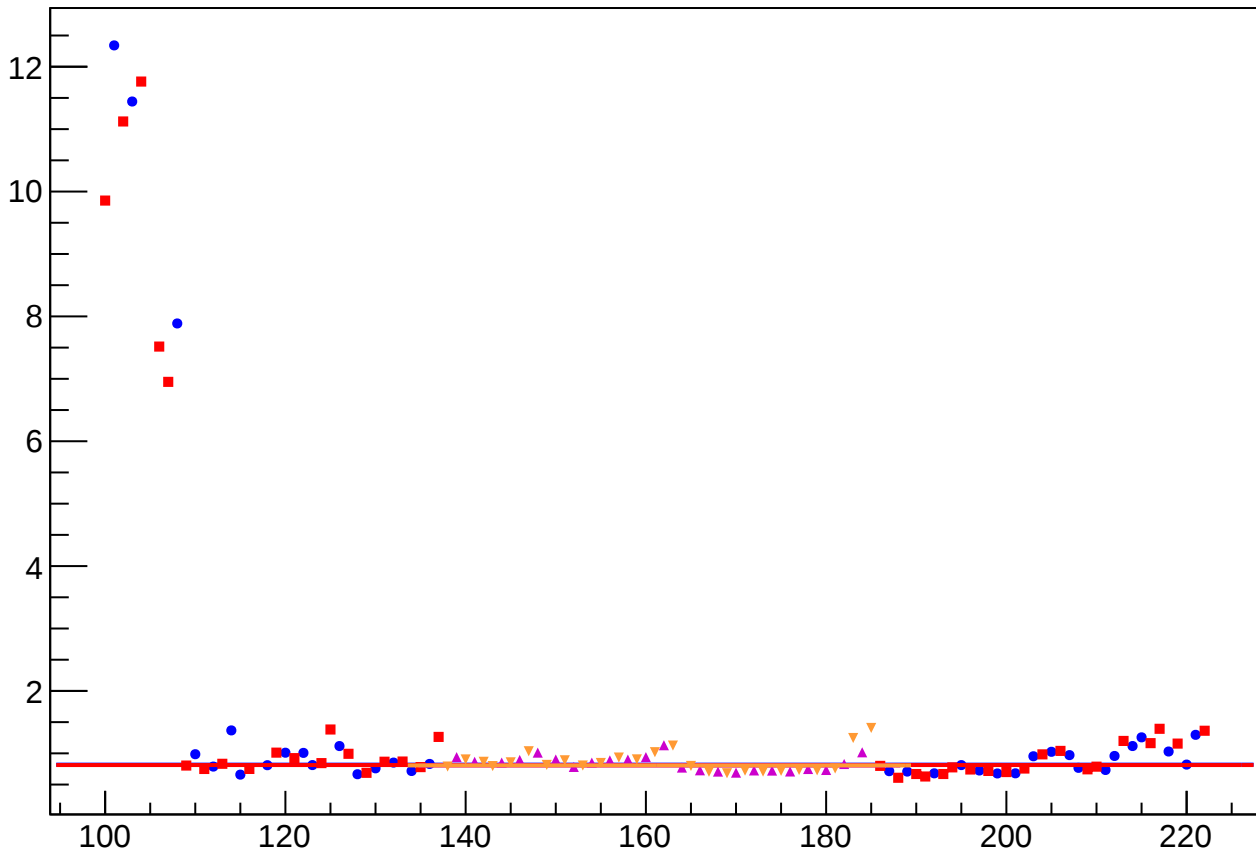
Left In: 133.309 $\pm$ 0.000 χ^2 /NDF: 4353039408.6/22

+ sign 144.414 $\pm$ 0.000 χ^2 /NDF: 35498292557.4/59

All: 144.554 $\pm$ 0.000 χ^2 /NDF: 81501806071.1

- sign 144.694 $\pm$ 0.000 χ^2 /NDF: 46001733782.1/60

yield_bcm0l02_rms vs Slug



Right In: 0.819 $\pm$ 0.000 χ^2 /NDF: 3467966.5/34

Left Out: 0.807 $\pm$ 0.000 χ^2 /NDF: 704181.3/24

Right Out: 0.813 $\pm$ 0.000 χ^2 /NDF: 4177082.7/37

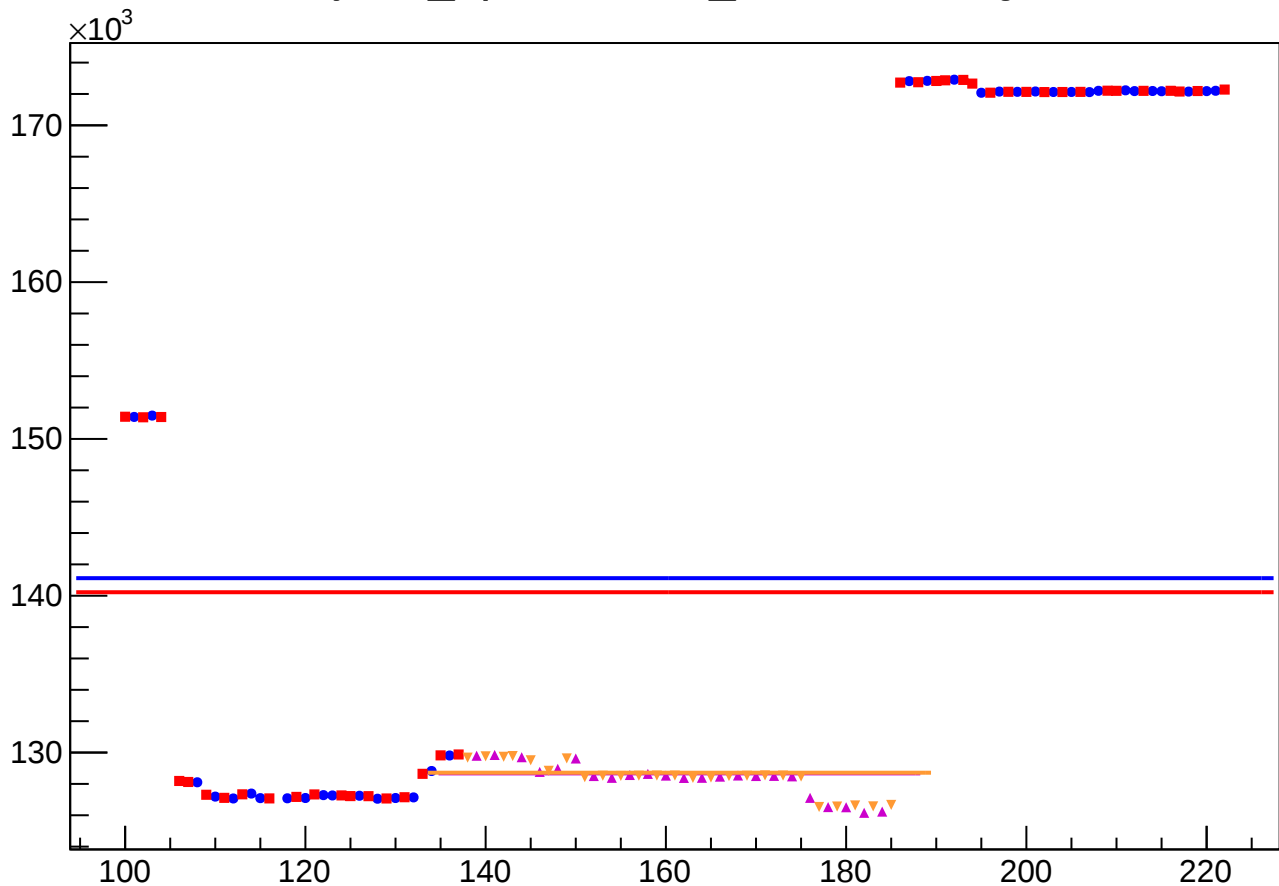
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF: 479689.4/22

+ sign 0.813 $\pm$ 0.000 χ^2 /NDF: 4175620.4/59

All: 0.811 $\pm$ 0.000 χ^2 /NDF: 8834595.2/120

- sign 0.808 $\pm$ 0.000 χ^2 /NDF: 4658222.5/60

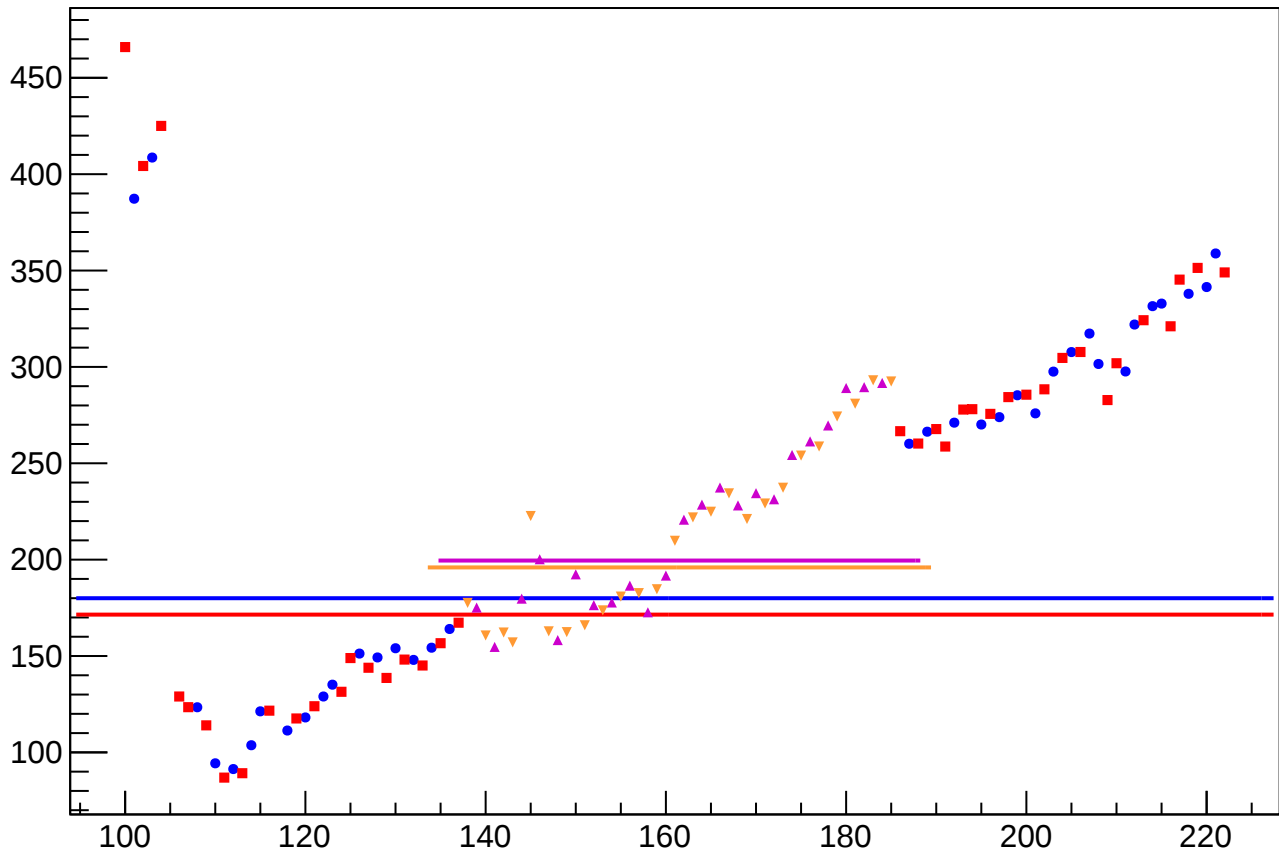
yield_bpm2i01WS_mean vs Slug



Right In: 141120.787 $\pm$ 0.046 χ^2 /NDF: 198393024425.1/34
 Left Out: 128713.791 $\pm$ 0.047 χ^2 /NDF: 348293942.5/24
 Right Out: 140223.805 $\pm$ 0.043 χ^2 /NDF: 218965772222.7/37
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22

+ sign 135026.355 $\pm$ 0.033 χ^2 /NDF: 234727674884
 All: 135113.536 $\pm$ 0.023 χ^2 /NDF: 48566983
 - sign 135198.128 $\pm$ 0.032 χ^2 /NDF: 250928149132

yield_bpm2i01WS_rms vs Slug



Right In: 179.989 $\pm$ 0.032 χ^2 /NDF: 7349090.9/34

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 171.478 $\pm$ 0.030 χ^2 /NDF: 8052816.7/37

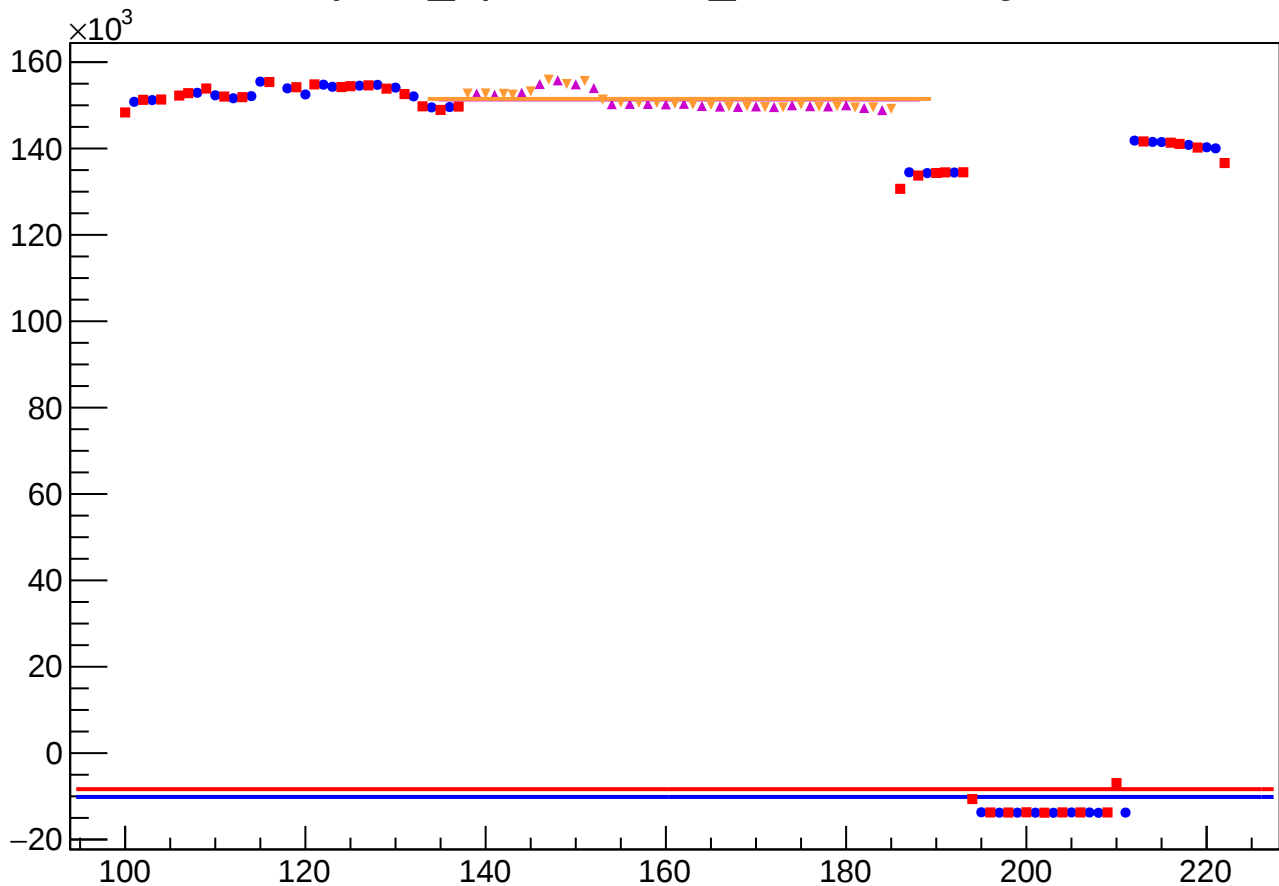
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 187.836 $\pm$ 0.023 χ^2 /NDF: 8784509.1/59

All: 185.727 $\pm$ 0.016 χ^2 /NDF: 18401966.3/12

- sign 183.681 $\pm$ 0.023 χ^2 /NDF: 9601066.5/60

yield_bpm0i07WS_mean vs Slug



Right In: -10146.372 ± 0.009

χ^2/NDF : 6828333365408.1/34

Left Out: 151480.339 ± 0.049

χ^2/NDF : 1483692735.3/24

Right Out: -8339.520 ± 0.010

χ^2/NDF : 7973087744581.2/37

Left In: 151362.440 ± 0.051

χ^2/NDF : 1426782789.9/22

+ sign -4764.980 ± 0.009

χ^2/NDF : 1714799402416

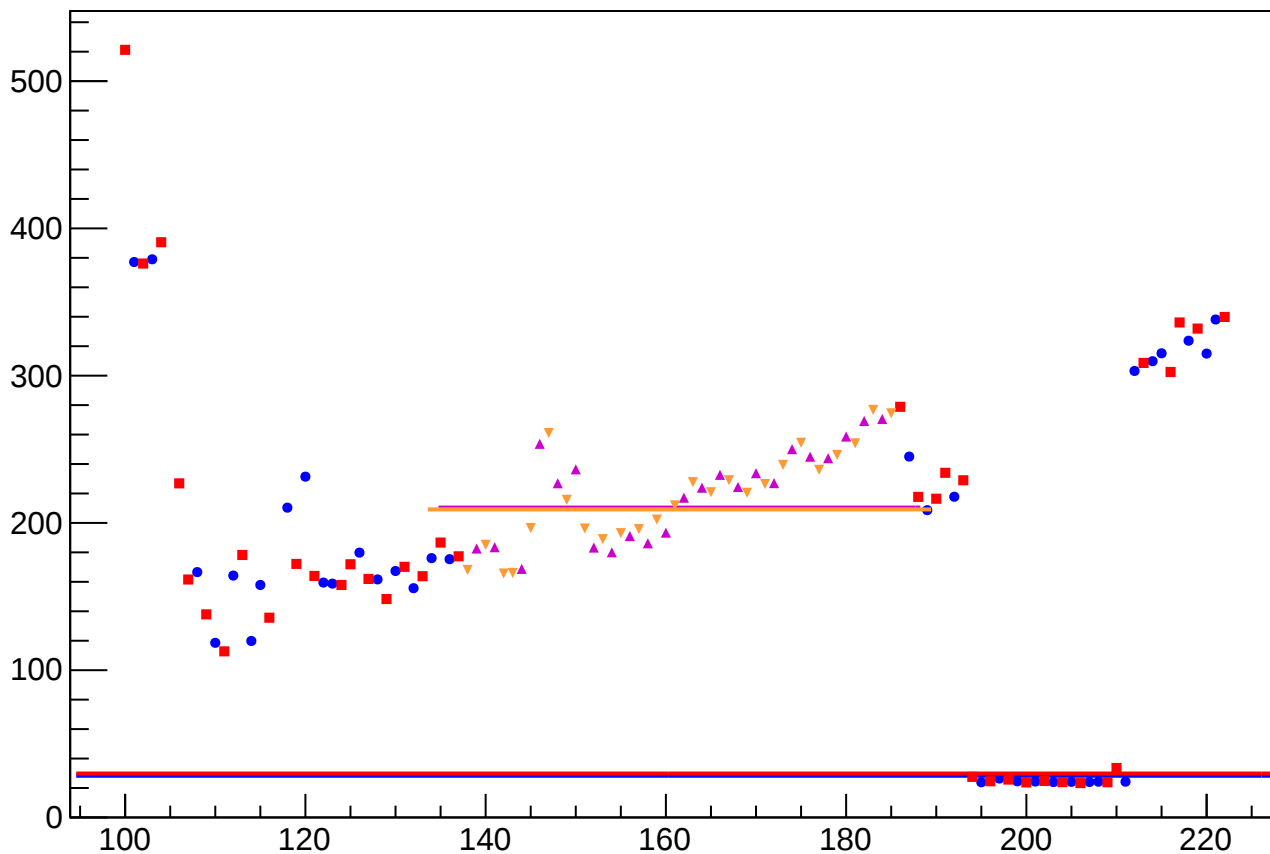
All: -3700.287 ± 0.007

χ^2/NDF : 3451384525

- sign -2432.227 ± 0.010

χ^2/NDF : 17335372650521

yield_bpm0i07WS_rms vs Slug



Right In: 28.330 $\pm$ 0.006 χ^2 /NDF: 18397877.6/34

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 29.833 $\pm$ 0.007 χ^2 /NDF: 19810346.2/37

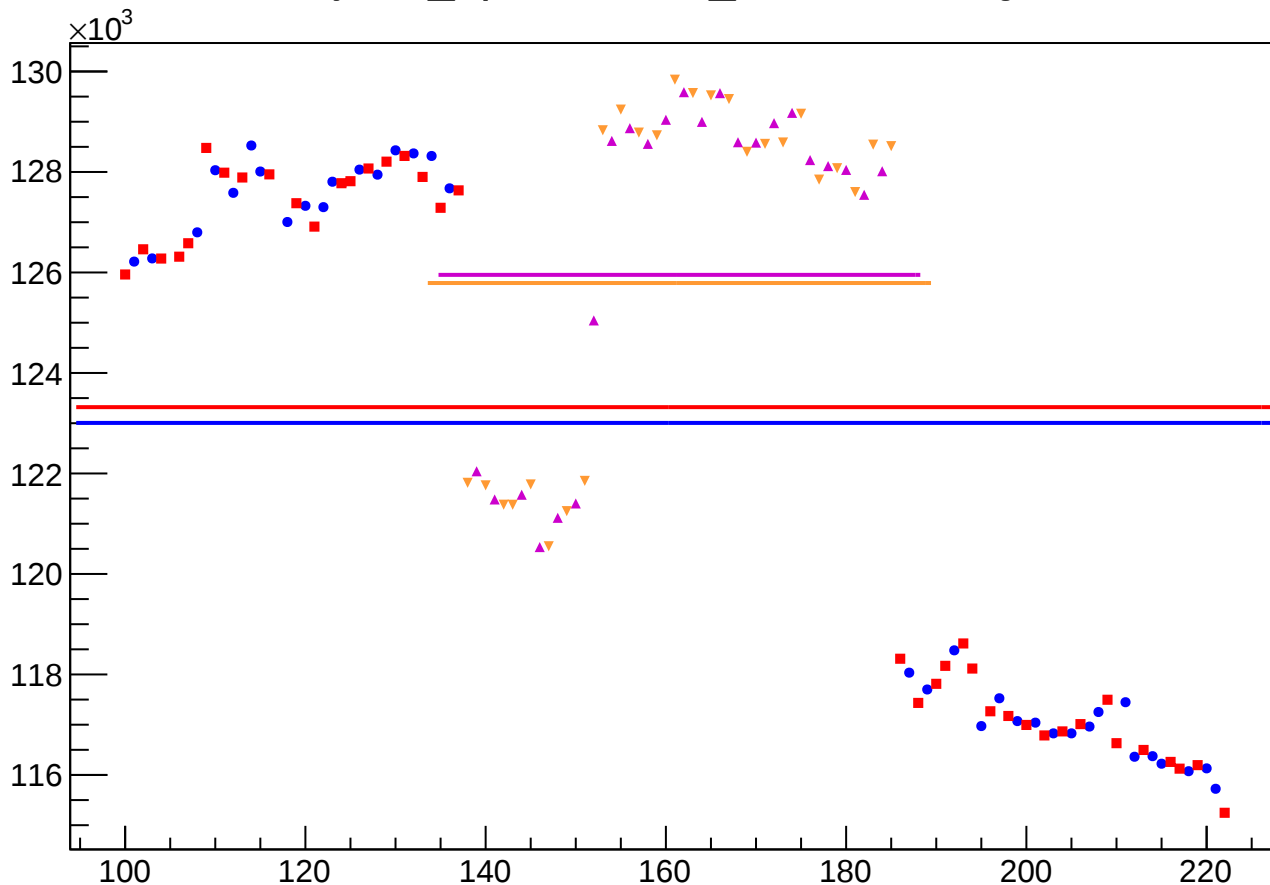
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 34.351 $\pm$ 0.006 χ^2 /NDF: 44938112.5/59

All: 35.338 $\pm$ 0.005 χ^2 /NDF: 89426139.0/120

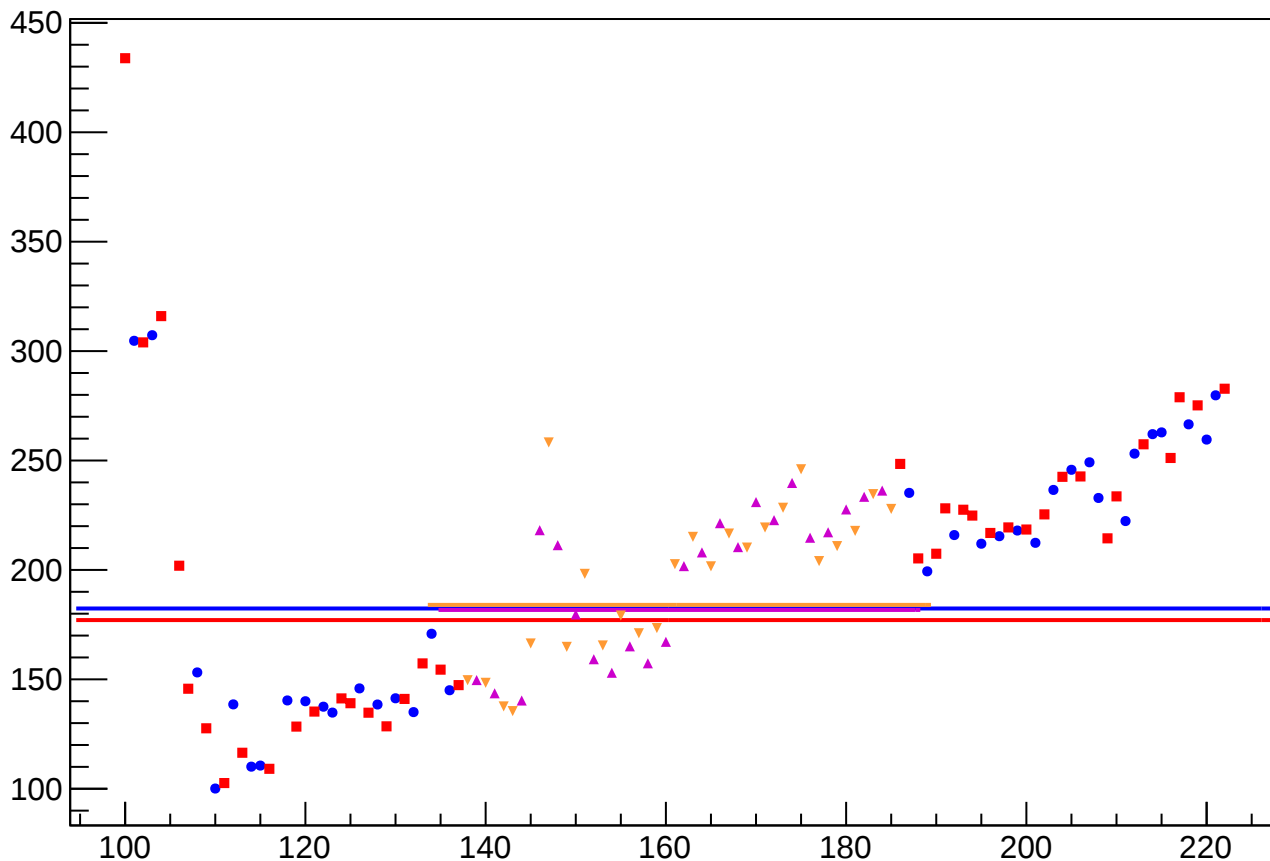
- sign 36.514 $\pm$ 0.007 χ^2 /NDF: 44435614.9/60

yield_bpm0l01WS_mean vs Slug



Right In: 123005.954+/-0.044	χ^2/NDF : 14969853953.0/34	+ sign 124389.829+/-0.031	χ^2/NDF : 23731504365.6
Left Out: 125790.126+/-0.044	χ^2/NDF : 6744310079.8/24	All: 124469.280+/-0.022	χ^2/NDF : 473981120
Right Out: 123319.786+/-0.042	χ^2/NDF : 15955843913.0/37	- sign 124546.136+/-0.030	χ^2/NDF : 23653679278.3
Left In: 125952.447+/-0.045	χ^2/NDF : 5841800367.5/22		

yield_bpm0l01WS_rms vs Slug



Right In: 182.376+/-0.031 χ^2/NDF : 3188801.9/34

Left Out: 184.029+/-0.031 χ^2/NDF : 1126592.5/24

Right Out: 177.080+/-0.029 χ^2/NDF : 3796480.4/37

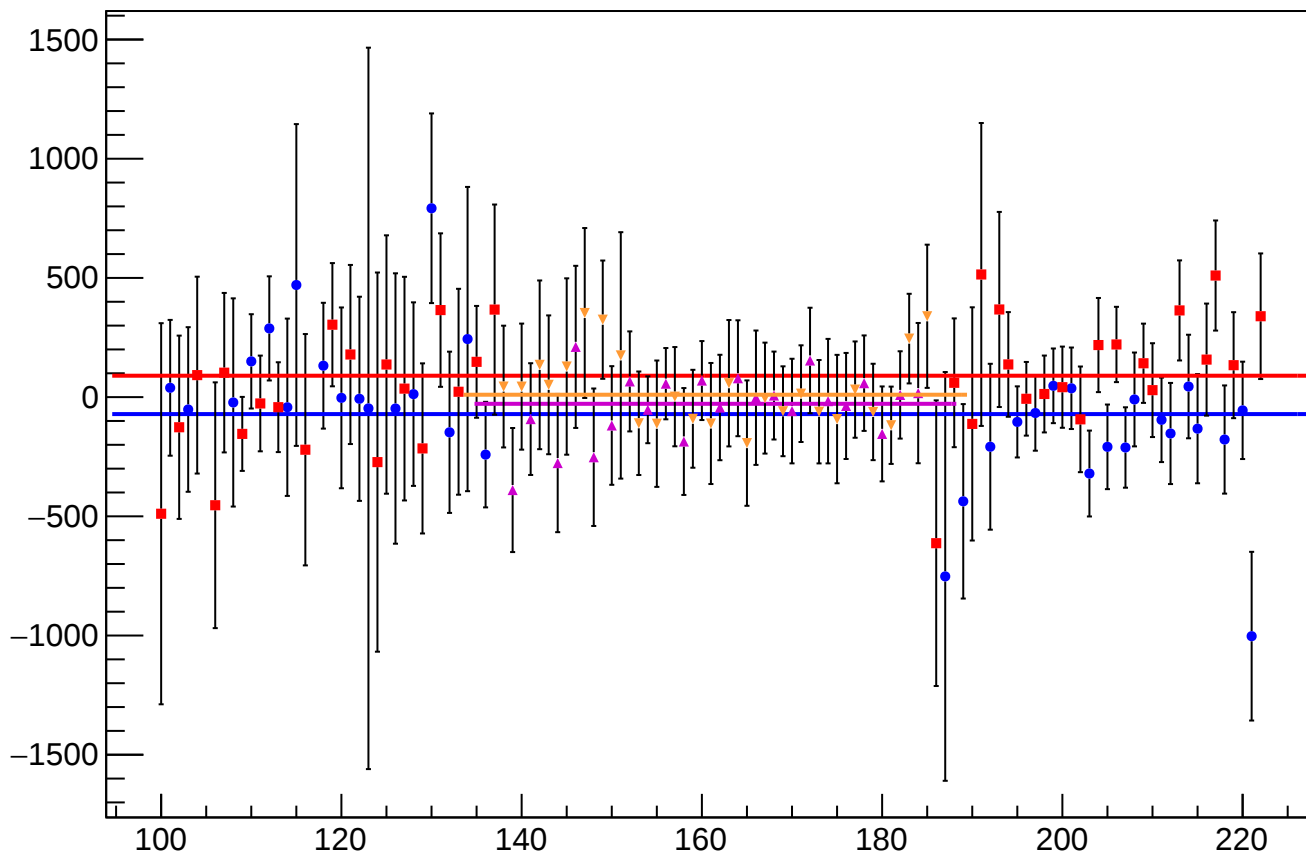
Left In: 181.714+/-0.032 χ^2/NDF : 1116142.0/22

+ sign 183.198+/-0.022 χ^2/NDF : 4316816.4/59

All: 181.185+/-0.015 χ^2/NDF : 9257532.5/120

- sign 179.238+/-0.022 χ^2/NDF : 4924124.4/60

asym_bcm_an_ds_mean vs Slug



Right In: -71.133 ± 40.763 χ^2/NDF : 24.7/34

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 89.825 ± 40.474 χ^2/NDF : 19.8/37

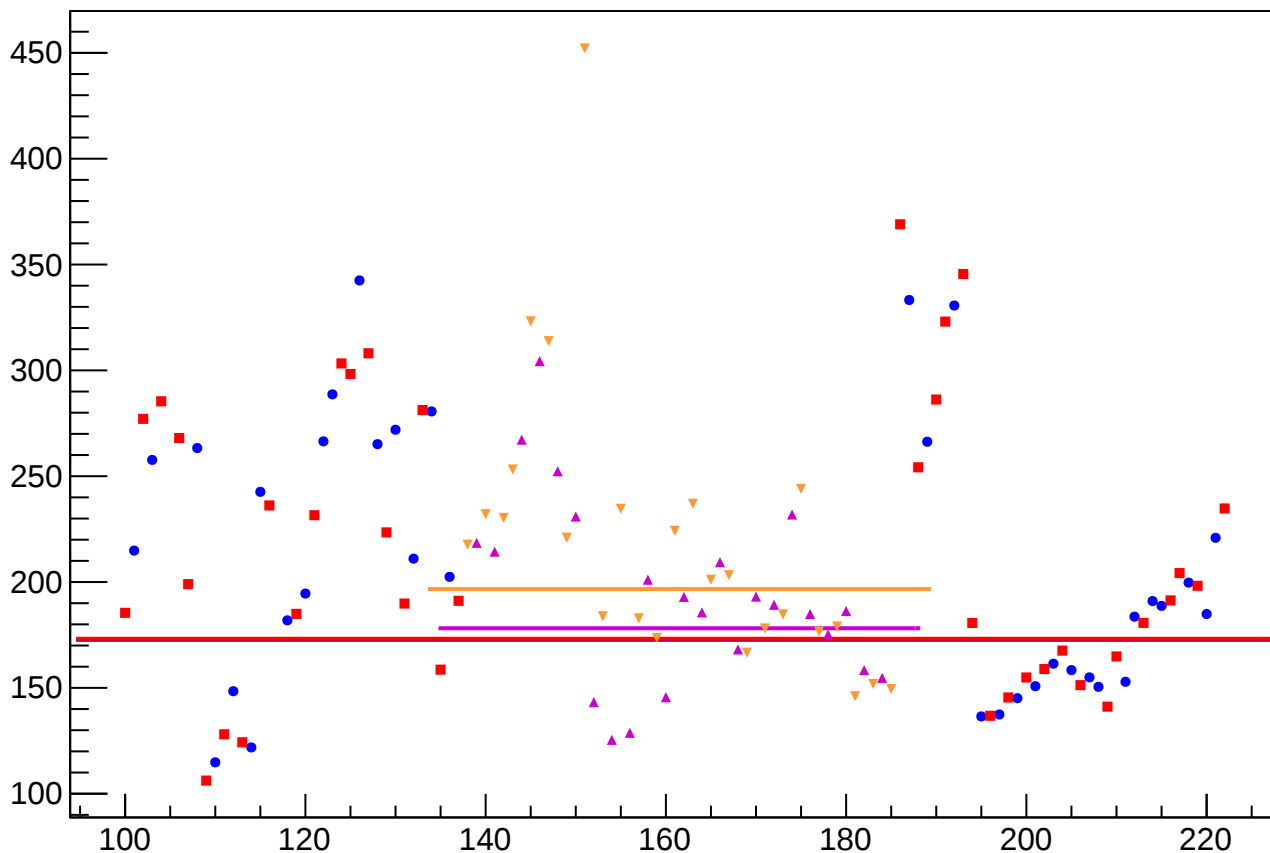
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -36.680 ± 30.931 χ^2/NDF : 34.8/59

All: 1.100 ± 21.521 χ^2/NDF : 68.3/120

- sign 36.555 ± 29.964 χ^2/NDF : 30.6/60

asym_bcm_an_ds_rms vs Slug



Right In: 172.736 ± 0.029 χ^2/NDF : 2256134.1/34

Left Out: 196.682 ± 0.034 χ^2/NDF : 1782715.7/24

Right Out: 173.197 ± 0.029 χ^2/NDF : 3048290.2/37

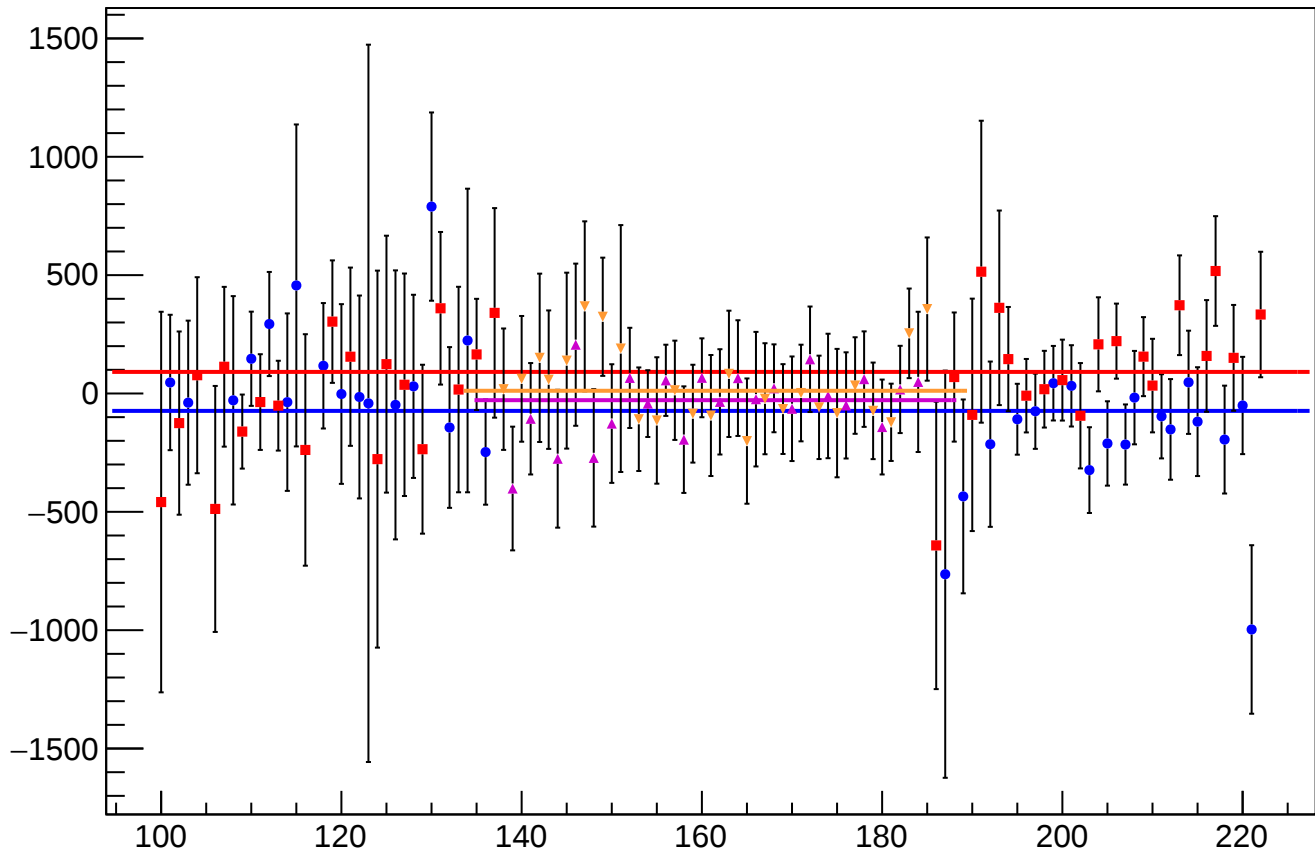
Left In: 178.166 ± 0.032 χ^2/NDF : 1618967.9/22

+ sign 182.895 ± 0.022 χ^2/NDF : 4331634.3/59

All: 179.050 ± 0.015 χ^2/NDF : 9072404.9/120

- sign 175.442 ± 0.021 χ^2/NDF : 4680878.4/60

asym_bcm_an_ds3_mean vs Slug



Right In: -73.519 ± 40.951 $\chi^2/\text{NDF}: 24.4/34$

Left Out: 11.479 ± 47.819 $\chi^2/\text{NDF}: 8.8/24$

Right Out: 91.176 ± 40.670 $\chi^2/\text{NDF}: 20.3/37$

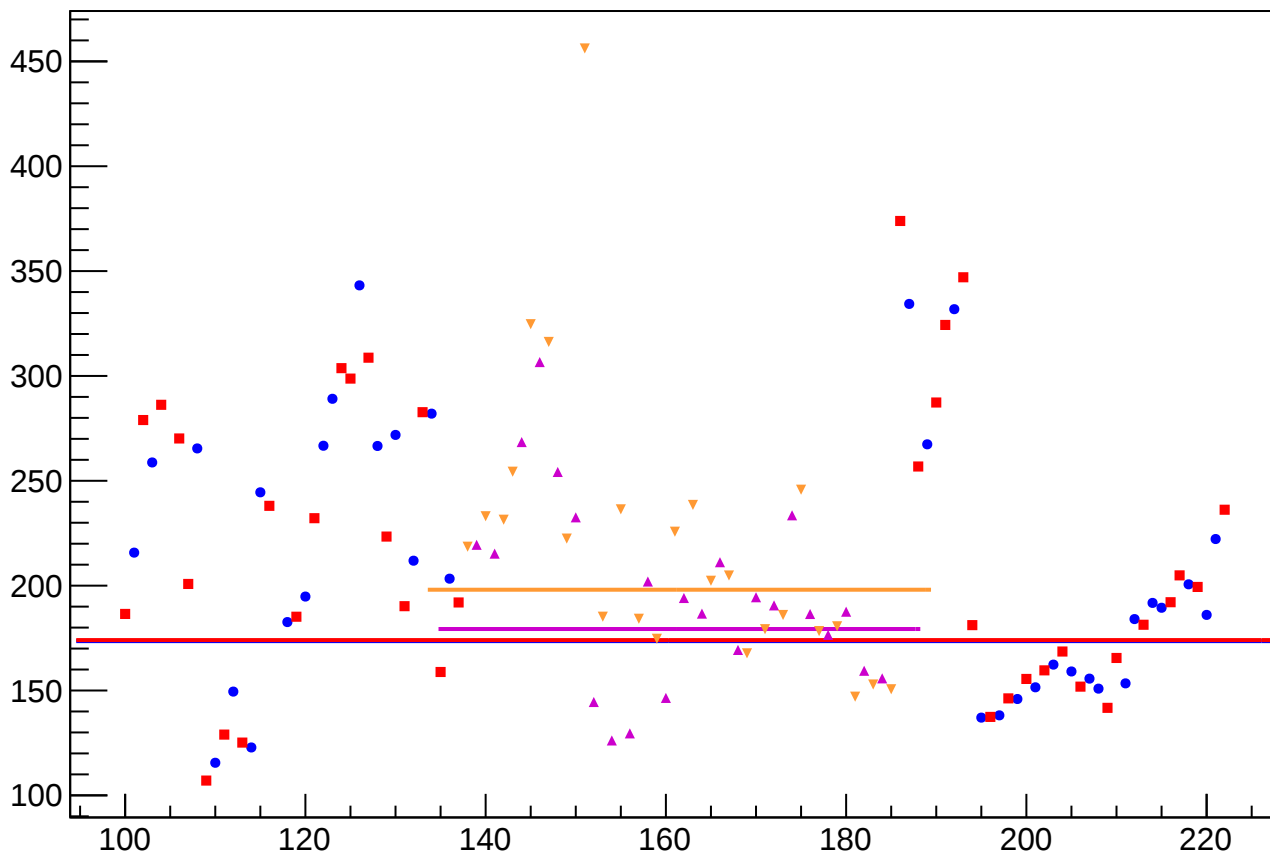
Left In: -28.280 ± 44.863 $\chi^2/\text{NDF}: 7.1/22$

+ sign -37.557 ± 31.104 $\chi^2/\text{NDF}: 35.1/59$

All: 1.054 ± 21.642 $\chi^2/\text{NDF}: 69.3/120$

- sign 37.290 ± 30.132 $\chi^2/\text{NDF}: 31.2/60$

asym_bcm_an_ds3_rms vs Slug



Right In: 173.548 $\pm$ 0.029 χ^2 /NDF: 2247988.8/34

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 174.045 $\pm$ 0.029 χ^2 /NDF: 3044413.7/37

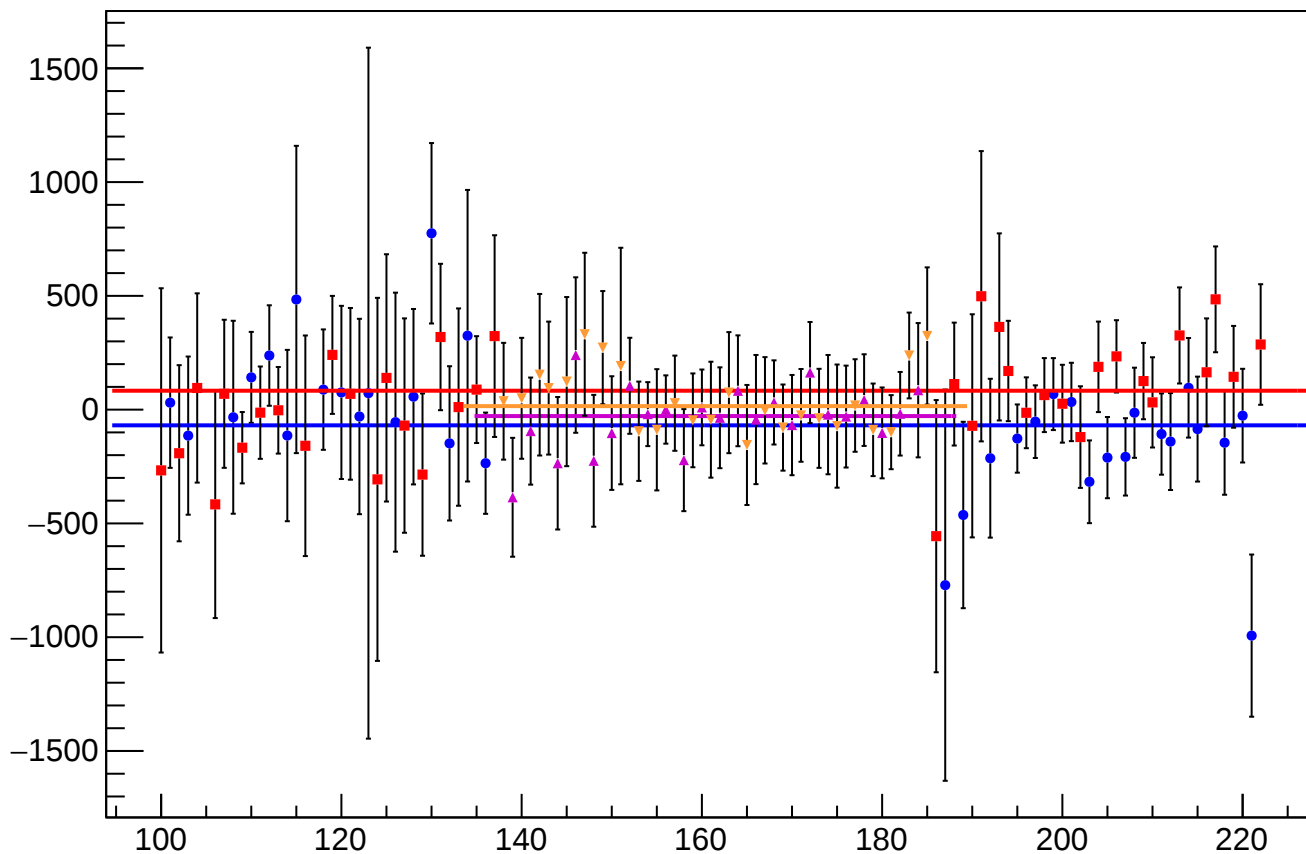
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 183.918 $\pm$ 0.022 χ^2 /NDF: 4329669.1/59

All: 180.053 $\pm$ 0.015 χ^2 /NDF: 9067405.8/120

- sign 176.426 $\pm$ 0.021 χ^2 /NDF: 4677879.5/60

asym_bcm_an_us_mean vs Slug



Right In: -68.994 ± 41.034 χ^2/NDF : 23.9/34

Left Out: 15.437 ± 47.695 χ^2/NDF : 7.0/24

Right Out: 83.161 ± 40.705 χ^2/NDF : 17.6/37

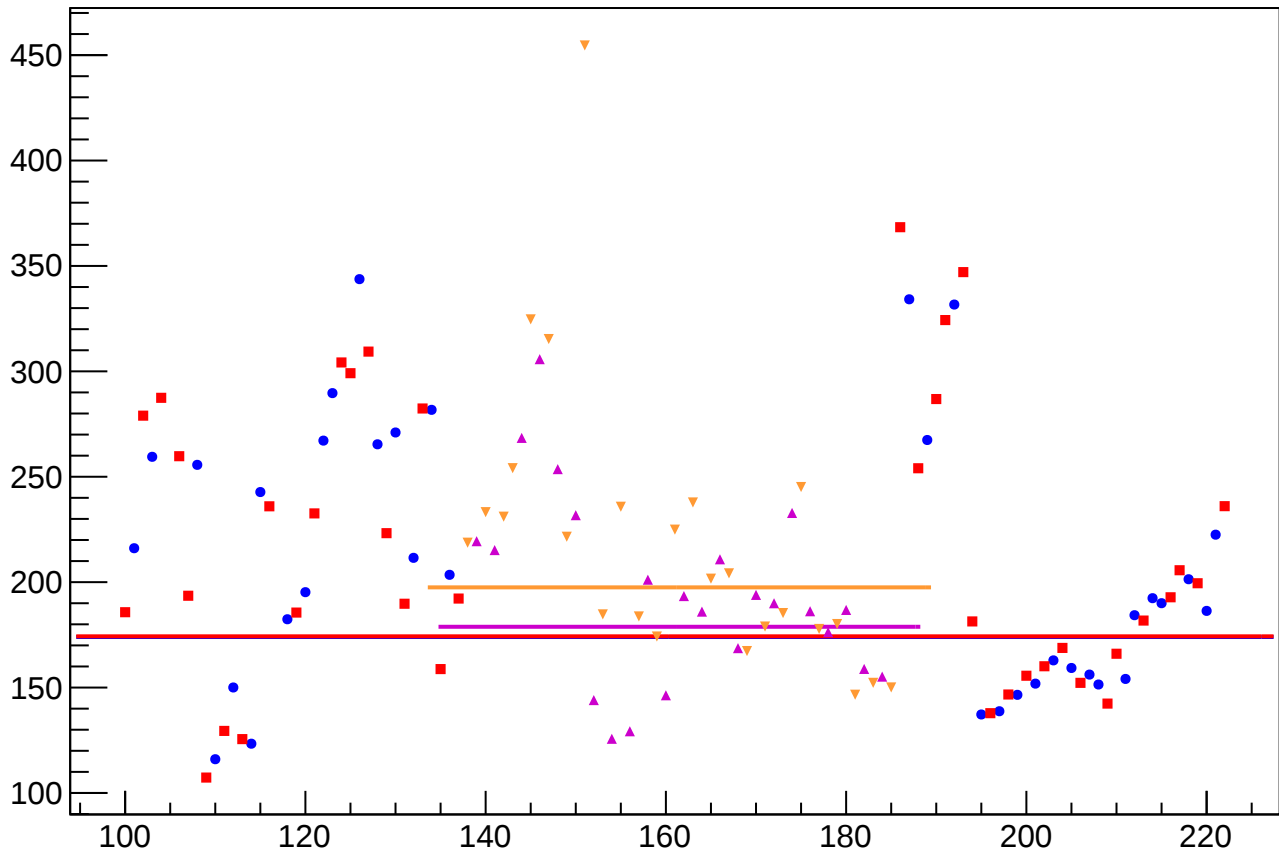
Left In: -28.277 ± 44.743 χ^2/NDF : 6.4/22

+ sign -33.081 ± 31.106 χ^2/NDF : 32.7/59

All: 0.879 ± 21.634 χ^2/NDF : 62.4/120

- sign 32.697 ± 30.109 χ^2/NDF : 27.4/60

asym_bcm_an_us_rms vs Slug



Right In: 173.983 $\pm$ 0.029 χ^2 /NDF: 2215553.0/34

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 174.303 $\pm$ 0.029 χ^2 /NDF: 2996658.0/37

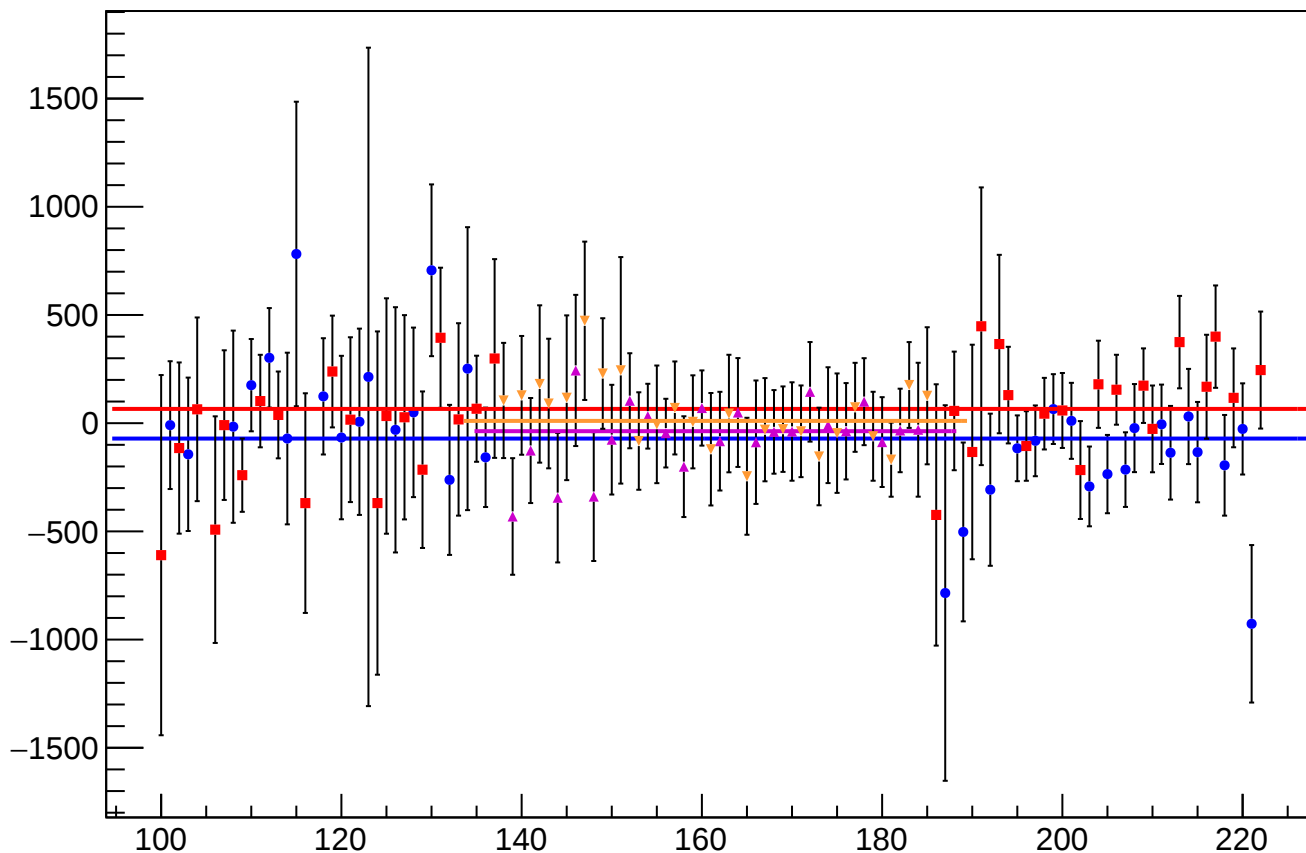
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 183.997 $\pm$ 0.022 χ^2 /NDF: 4279853.6/59

All: 180.052 $\pm$ 0.015 χ^2 /NDF: 8972335.2/120

- sign 176.355 $\pm$ 0.021 χ^2 /NDF: 4630157.6/60

asym_bcm_dg_us_mean vs Slug



Right In: -71.070 ± 41.905 χ^2/NDF : 23.4/34

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 65.968 ± 41.739 χ^2/NDF : 19.3/37

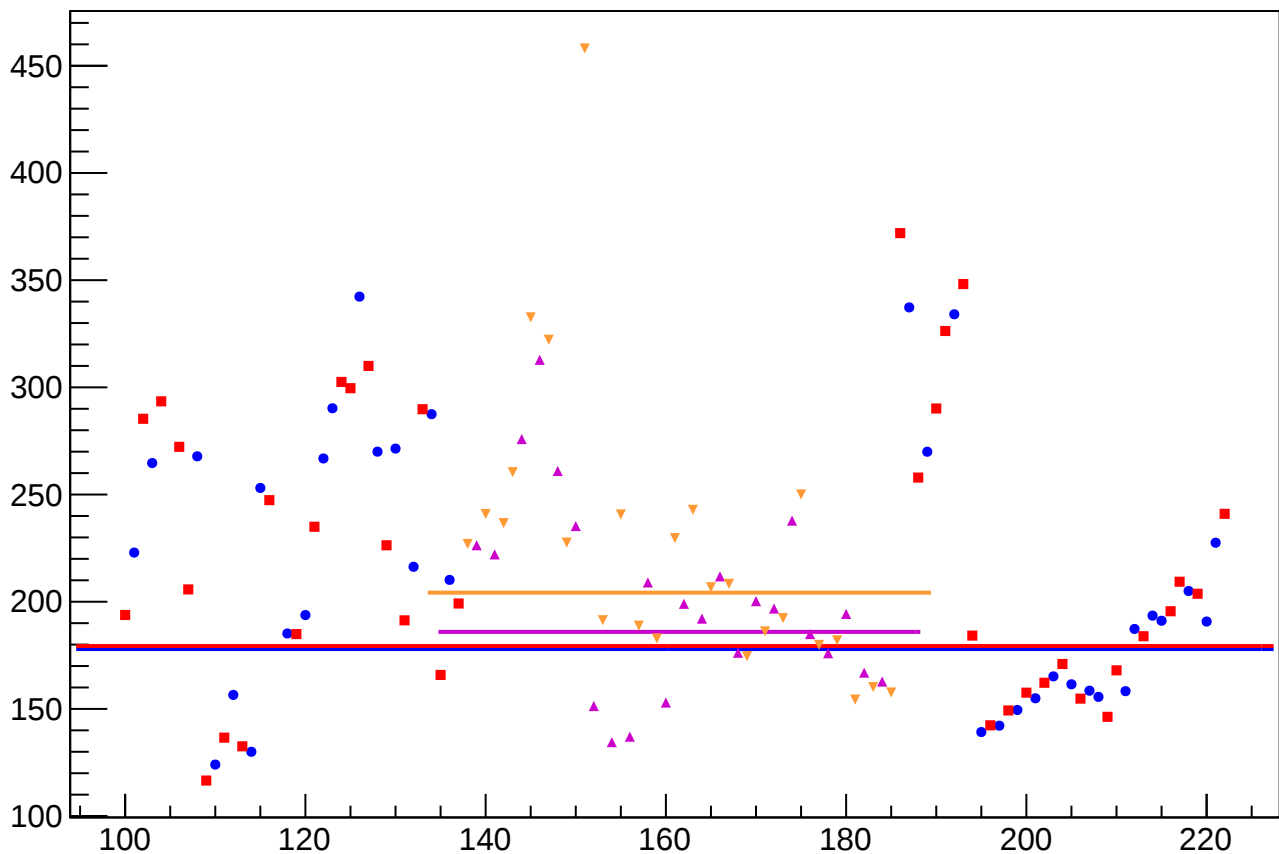
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -36.758 ± 31.901 χ^2/NDF : 32.4/59

All: -7.651 ± 22.239 χ^2/NDF : 63.9/120

- sign 19.867 ± 31.019 χ^2/NDF : 29.9/60

asym_bcm_dg_us_rms vs Slug



Right In: 177.926 $\pm$ 0.030 χ^2 /NDF: 2129790.8/34

Left Out: 204.236 $\pm$ 0.035 χ^2 /NDF:1675666.0/24

Right Out: 179.331 $\pm$ 0.030 χ^2 /NDF: 2798037.2/37

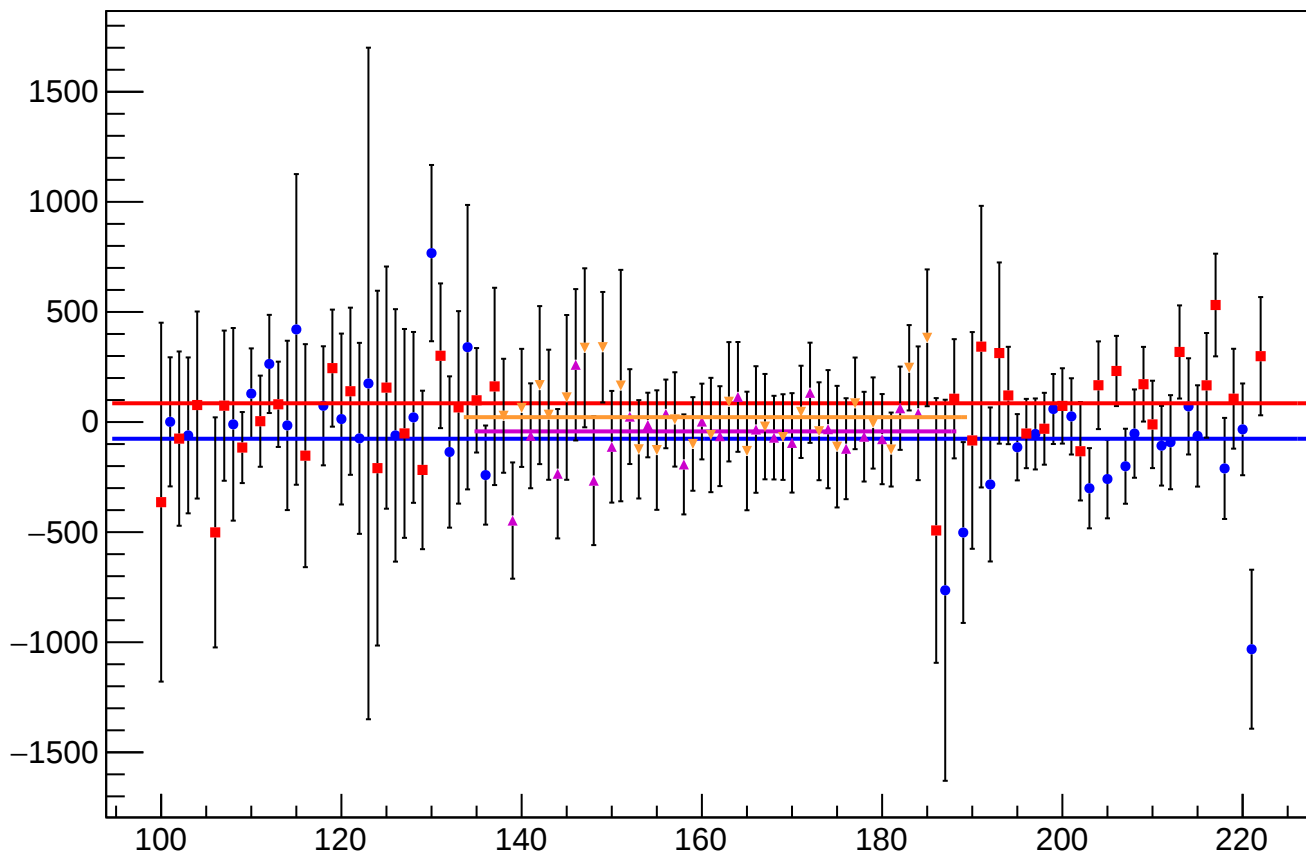
Left In: 185.931 $\pm$ 0.033 χ^2 /NDF:1460065.0/22

+ sign 188.988 $\pm$ 0.023 χ^2 /NDF: 4136958.1/59

All: 185.543 $\pm$ 0.016 χ^2 /NDF: 8462826.0/120

- sign 182.286 $\pm$ 0.022 χ^2 /NDF: 4280492.8/60

asym_bcm_dg_ds_mean vs Slug



Right In: -75.855 ± 41.392 χ^2/NDF : 24.0/34

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 85.255 ± 41.125 χ^2/NDF : 16.4/37

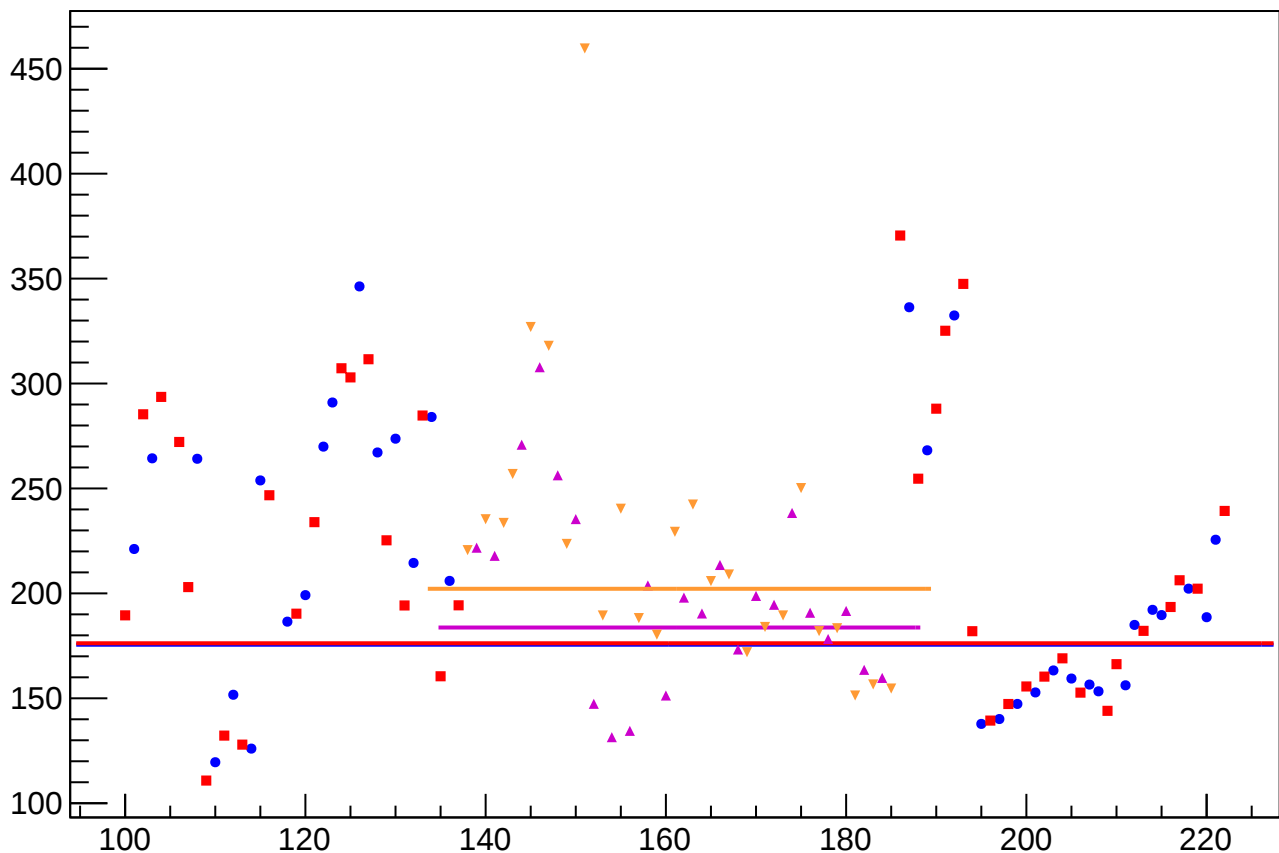
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -34.771 ± 31.550 χ^2/NDF : 34.7/59

All: -2.272 ± 21.972 χ^2/NDF : 64.2/120

- sign 28.336 ± 30.618 χ^2/NDF : 27.4/60

asym_bcm_dg_ds_rms vs Slug



Right In: 175.531+/-0.029 χ^2/NDF : 2216946.6/34

Left Out: 202.186+/-0.034 χ^2/NDF : 1696571.9/24

Right Out: 176.230+/-0.029 χ^2/NDF : 2972642.6/37

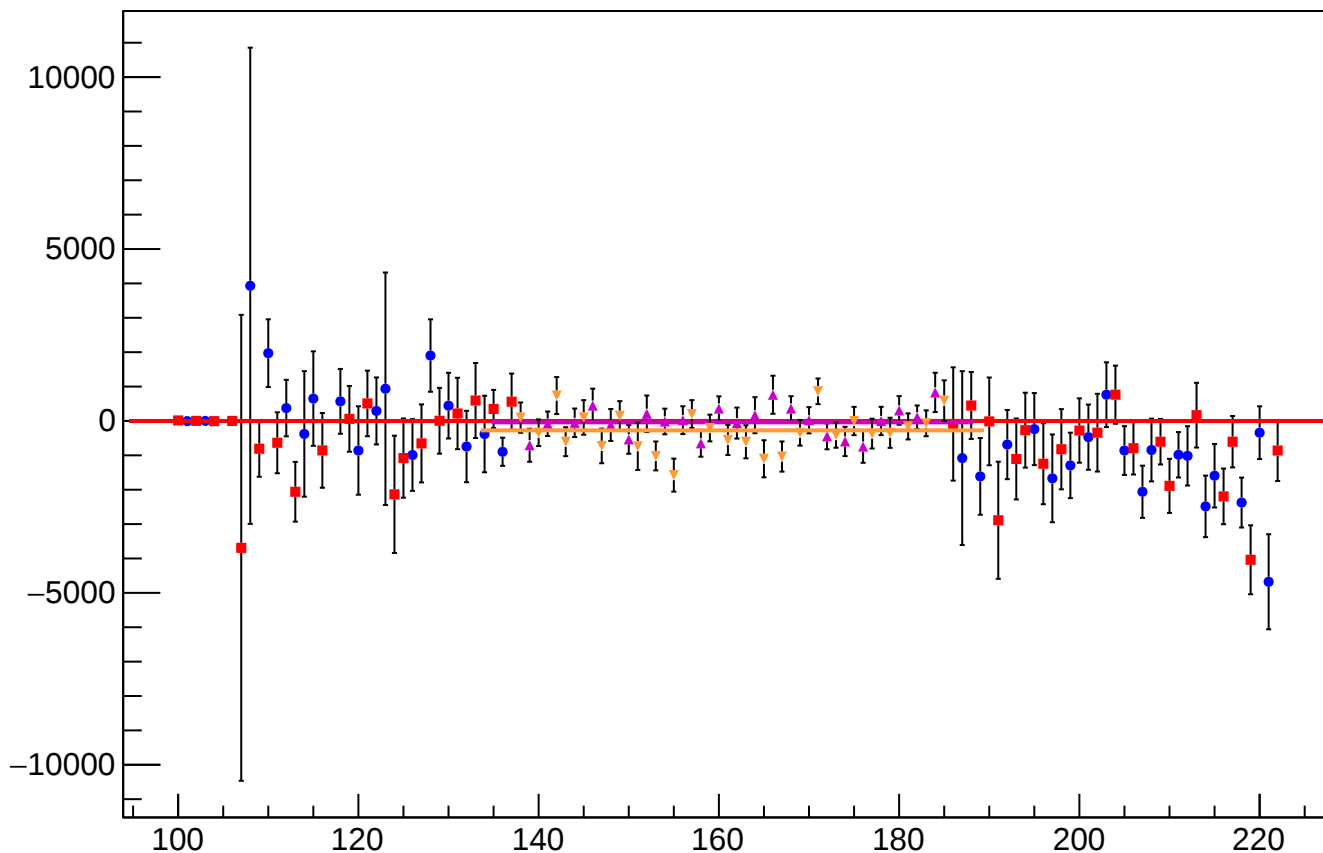
Left In: 183.732+/-0.032 χ^2/NDF : 1495930.4/22

+ sign 186.700+/-0.022 χ^2/NDF : 4261067.6/59

All: 183.030+/-0.016 χ^2/NDF : 8811857.4/120

- sign 179.574+/-0.022 χ^2/NDF : 4498240.0/60

asym_cav4bQ_mean vs Slug



Right In: -1.665 ± 2.251 χ^2/NDF : 70.4/34

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.810 ± 2.111 χ^2/NDF : 57.7/37

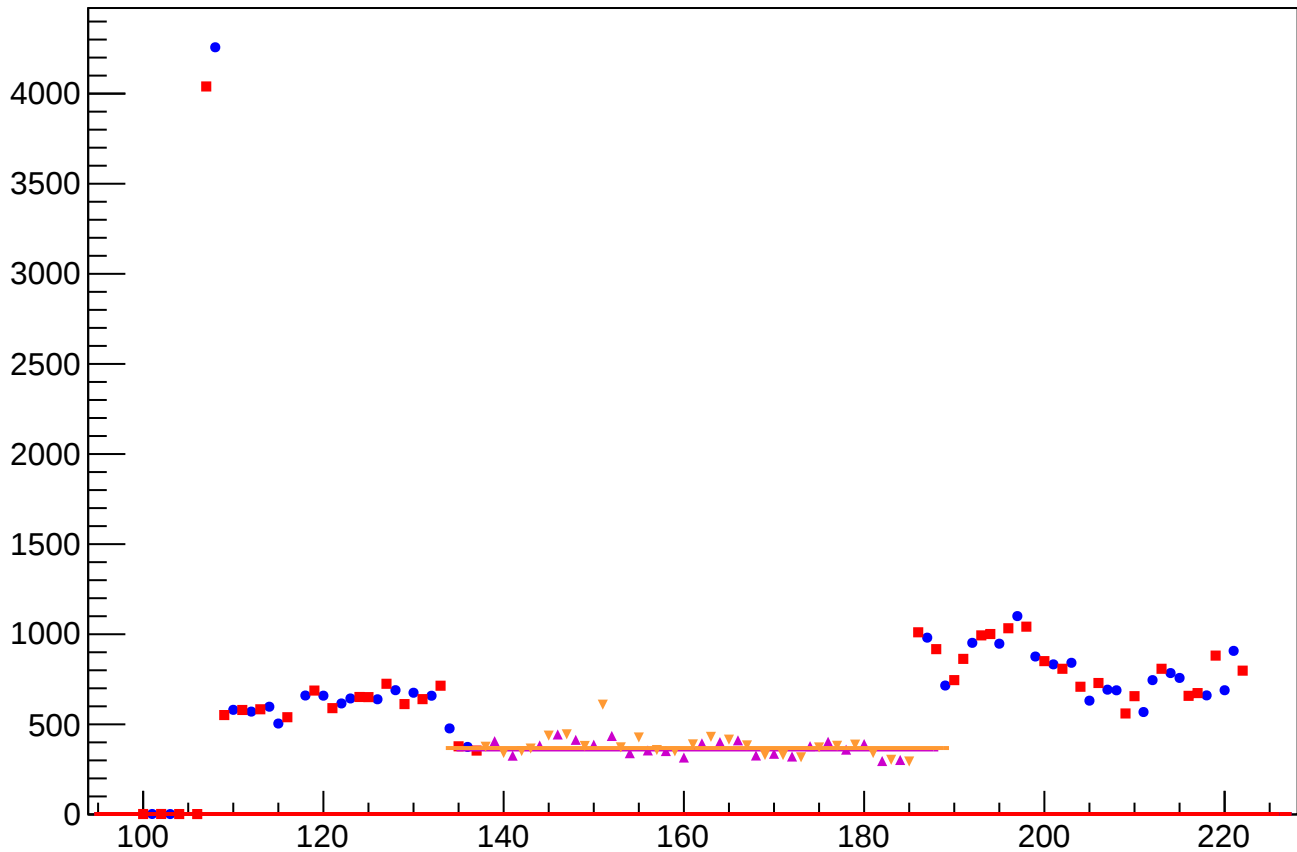
Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.847 ± 2.251 χ^2/NDF : 118.5/59

All: -1.308 ± 1.539 χ^2/NDF : 196.7/120

- sign -0.833 ± 2.110 χ^2/NDF : 78.1/60

asym_cav4bQ_rms vs Slug



Right In: 2.539+/-0.002 χ^2/NDF : 35756030.1/34

Left Out: 368.500+/-0.061 χ^2/NDF : 623011.6/24

Right Out: 2.509+/-0.001 χ^2/NDF : 37218443.8/37

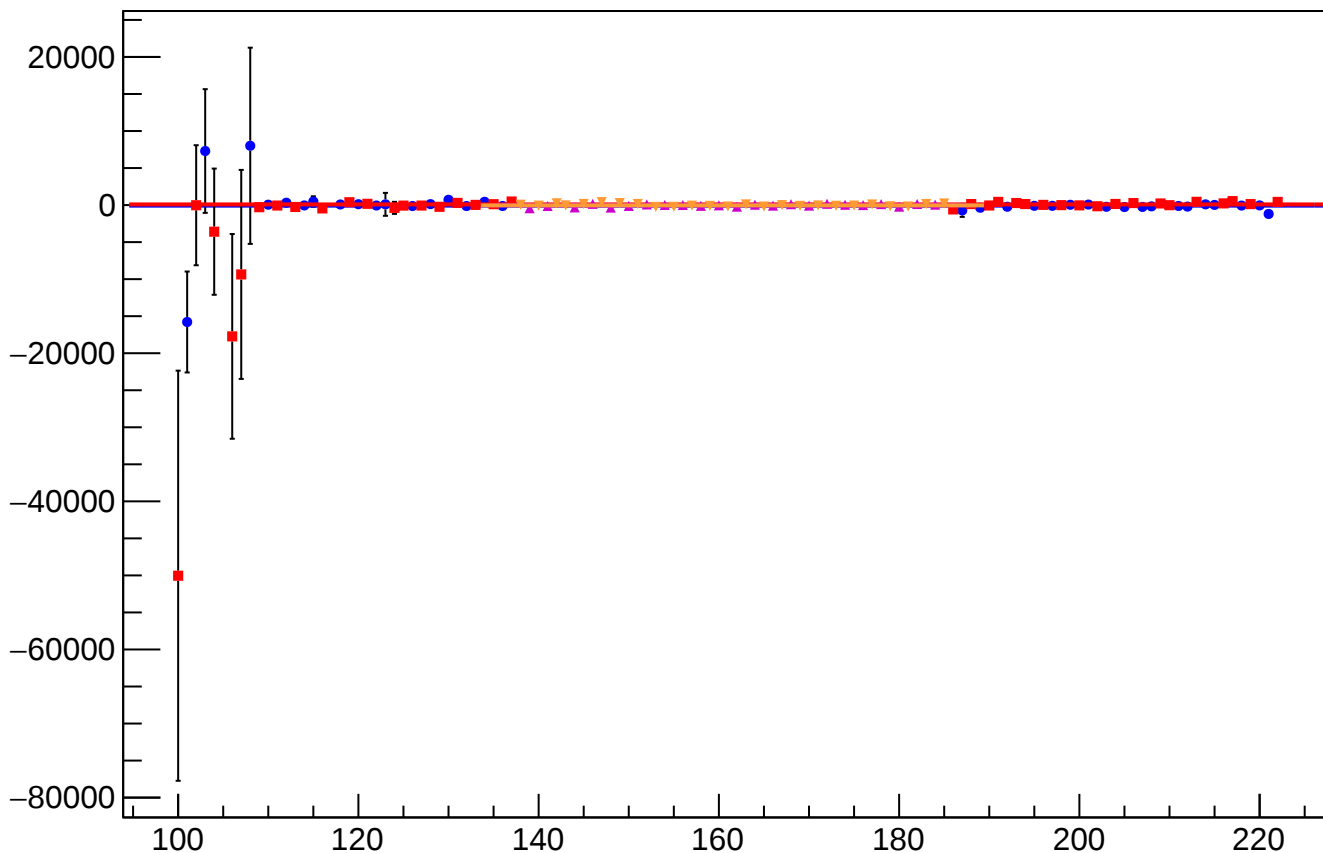
Left In: 360.571+/-0.062 χ^2/NDF : 421995.5/22

+ sign 2.784+/-0.002 χ^2/NDF : 71850267.7/59

All: 2.749+/-0.001 χ^2/NDF : 142986352.6/120

- sign 2.718+/-0.001 χ^2/NDF : 71135148.6/60

asym_cav4cQ_mean vs Slug



Right In: -72.483 ± 44.952 χ^2/NDF : 29.9/34

Left Out: -39.036 ± 49.576 χ^2/NDF : 9.1/24

Right Out: 89.872 ± 45.291 χ^2/NDF : 29.8/37

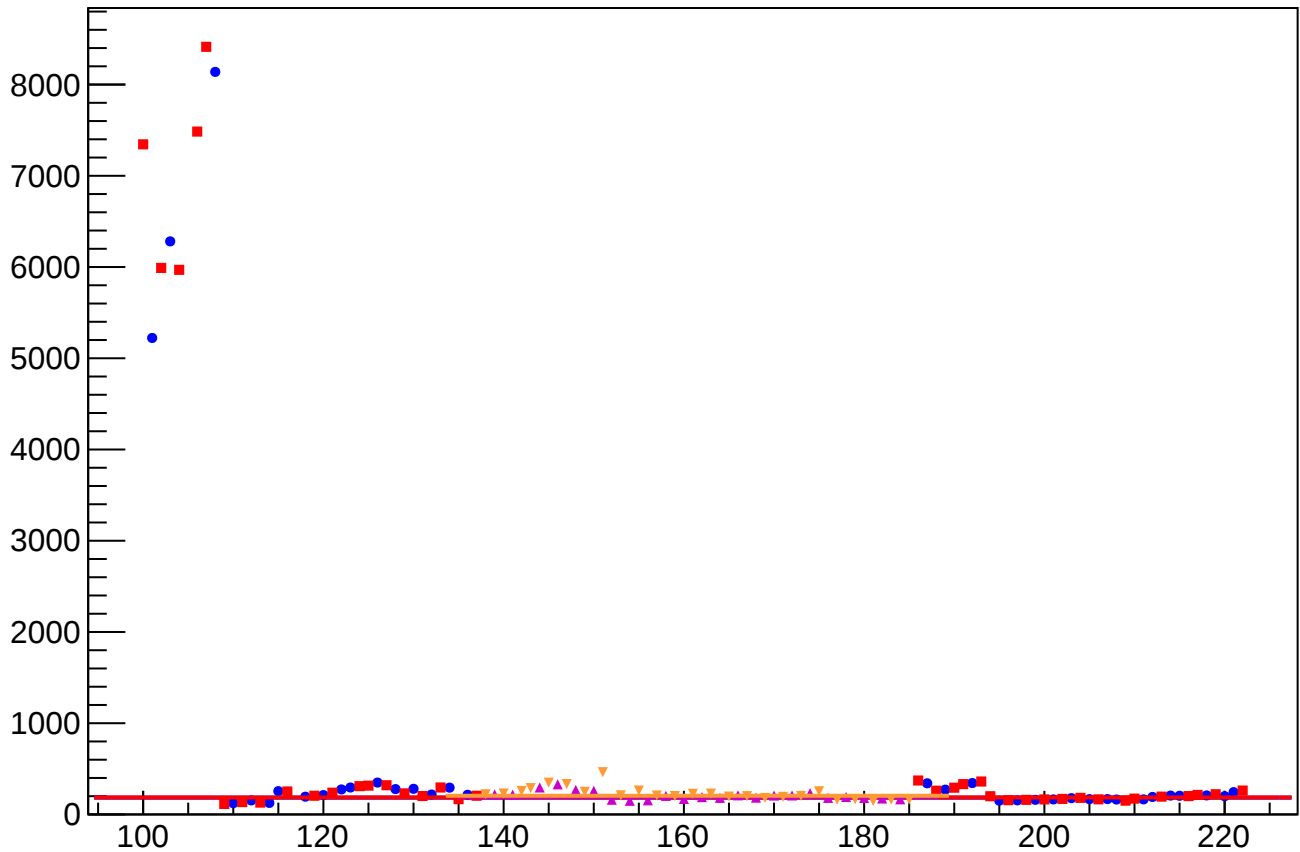
Left In: -28.062 ± 48.032 χ^2/NDF : 9.6/22

+ sign -57.391 ± 33.301 χ^2/NDF : 39.3/59

All: -11.030 ± 23.423 χ^2/NDF : 85.7/120

- sign 34.366 ± 32.952 χ^2/NDF : 42.5/60

asym_cav4cQ_rms vs Slug



Right In: 184.286+/-0.032 χ^2/NDF : 4663512.9/34

Left Out: 205.114+/-0.035 χ^2/NDF :1957484.4/24

Right Out: 186.176+/-0.032 χ^2/NDF : 5655646.0/37

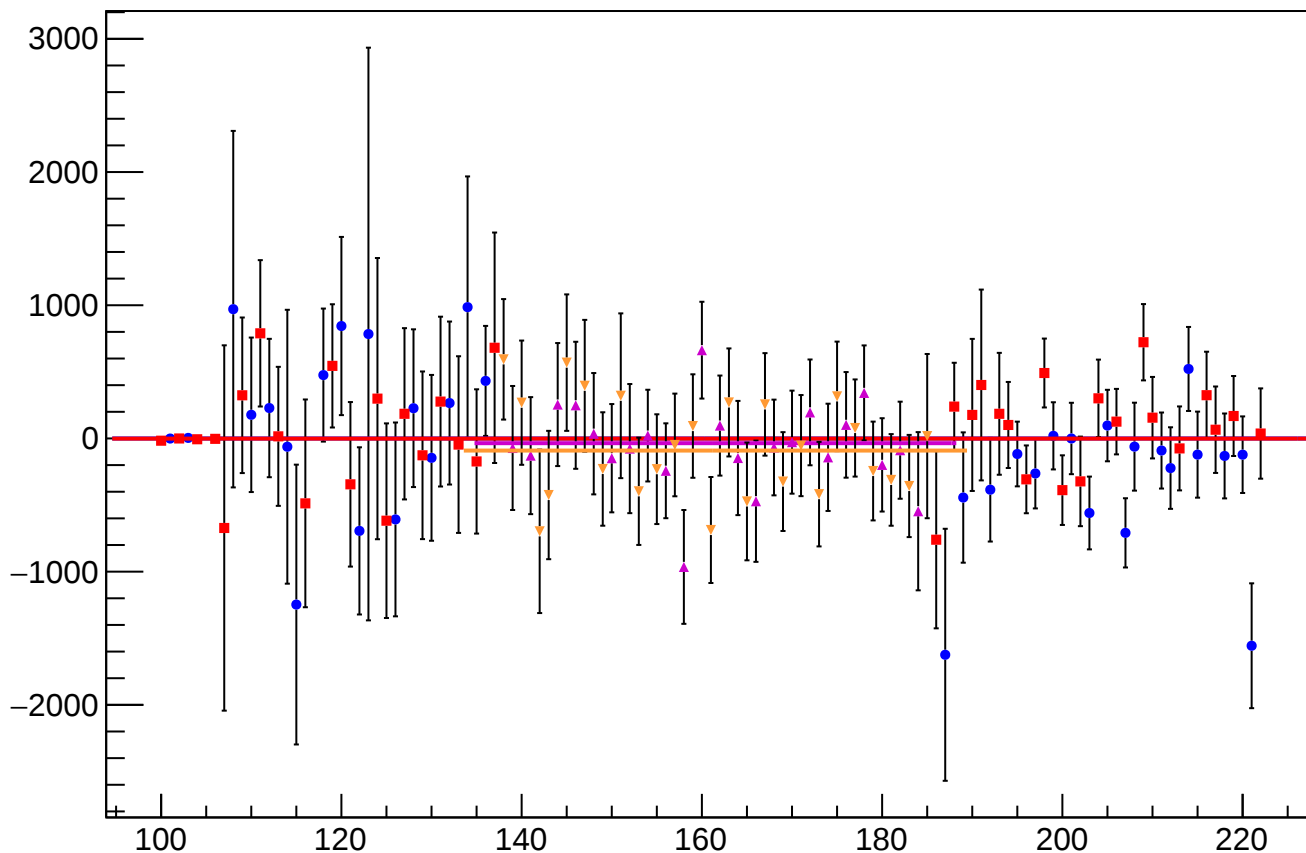
Left In: 193.616+/-0.034 χ^2/NDF :1179471.1/22

+ sign 193.684+/-0.024 χ^2/NDF : 6814717.8/59

All: 191.660+/-0.017 χ^2/NDF : 13689860.4/12

- sign 189.678+/-0.023 χ^2/NDF : 6860519.3/60

asym_cav4dQ_mean vs Slug



Right In: -0.256 ± 1.736 χ^2/NDF : 42.8/34

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.272 ± 1.622 χ^2/NDF : 29.4/37

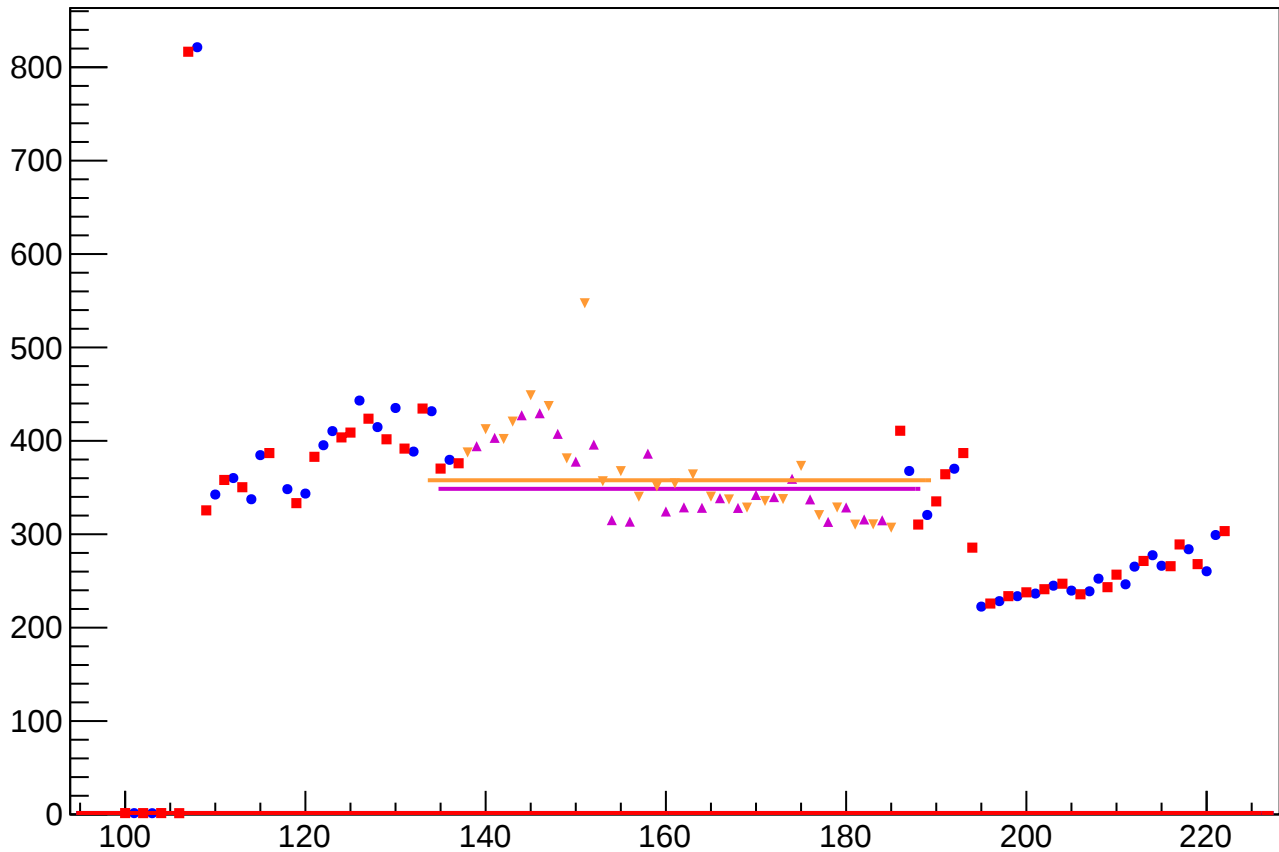
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.294 ± 1.736 χ^2/NDF : 60.4/59

All: -0.823 ± 1.185 χ^2/NDF : 103.5/120

- sign -1.285 ± 1.622 χ^2/NDF : 43.0/60

asym_cav4dQ_rms vs Slug



Right In: 1.599 ± 0.001 $\chi^2/\text{NDF}: 35919915.3/34$

Left Out: 357.804 ± 0.059 $\chi^2/\text{NDF}: 547036.5/24$

Right Out: 1.579 ± 0.001 $\chi^2/\text{NDF}: 36900490.6/37$

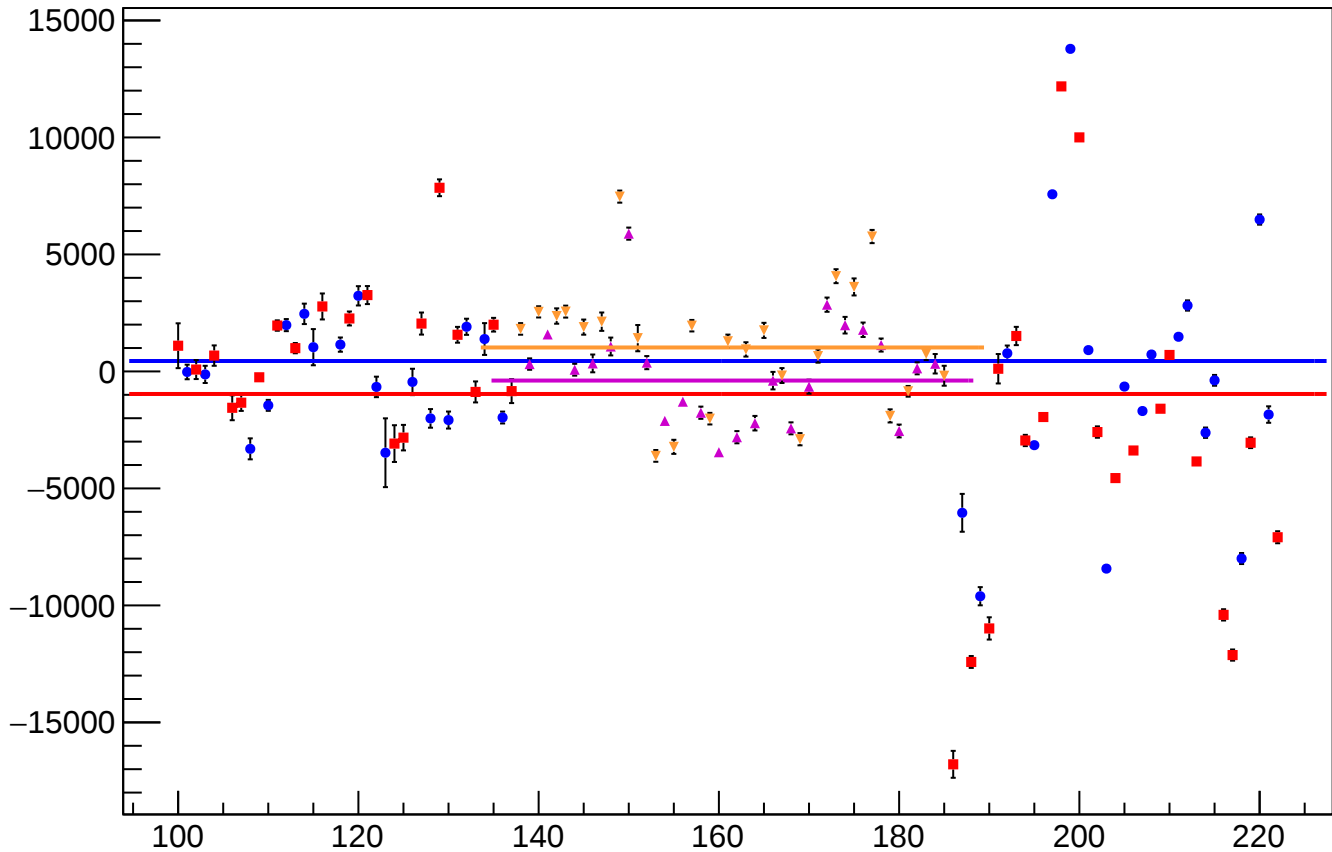
Left In: 348.611 ± 0.060 $\chi^2/\text{NDF}: 362511.2/22$

+ sign 1.751 ± 0.001 $\chi^2/\text{NDF}: 72348695.0/59$

All: 1.728 ± 0.001 $\chi^2/\text{NDF}: 143427140.5/120$

- sign 1.707 ± 0.001 $\chi^2/\text{NDF}: 71077746.7/60$

asym_bcm0l02_mean vs Slug



Right In: 445.390 $\pm$ 44.434 χ^2 /NDF: 13453.7/34

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF:2309.4/24

Right Out: -964.035 $\pm$ 43.910 χ^2 /NDF: 18587.0/37

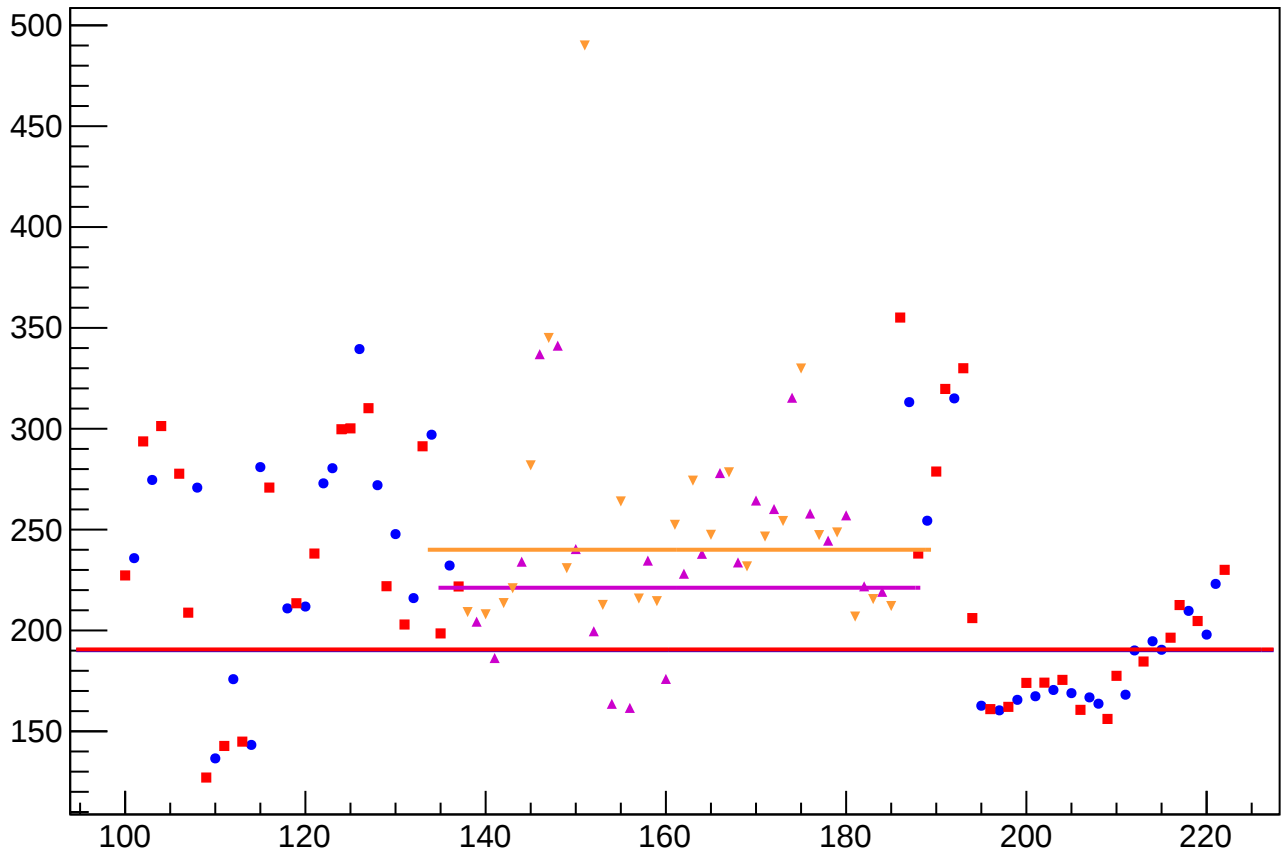
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF:1584.9/22

+ sign 662.279 $\pm$ 35.122 χ^2 /NDF: 15826.6/59

All: -55.666 $\pm$ 24.539 χ^2 /NDF: 36881.3/120

- sign -740.334 $\pm$ 34.298 χ^2 /NDF: 20238.4/60

asym_bcm0l02_rms vs Slug



Right In: 190.226 ± 0.031 χ^2/NDF : 1580568.1/34

Left Out: 240.019 ± 0.041 χ^2/NDF : 1002427.9/24

Right Out: 190.581 ± 0.031 χ^2/NDF : 2202811.4/37

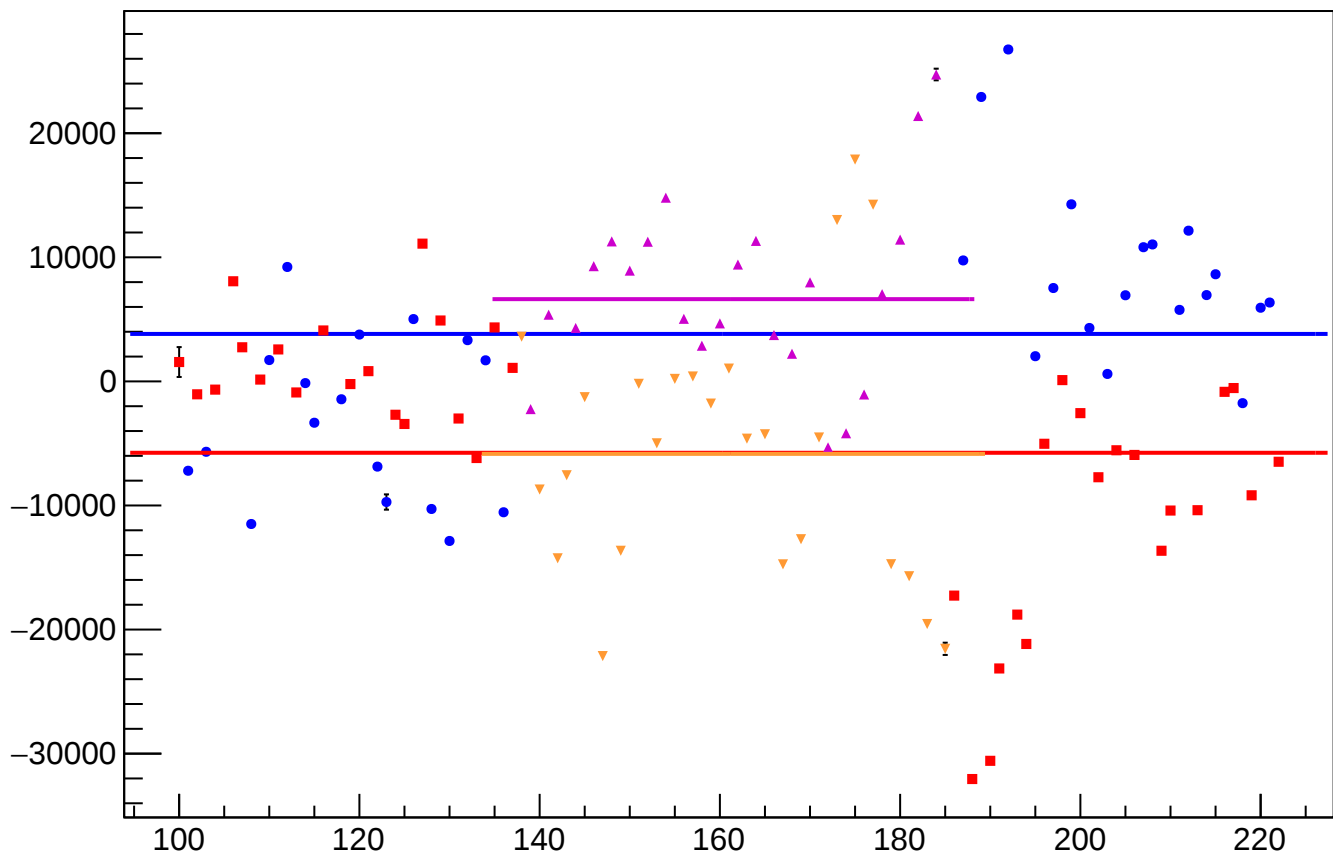
Left In: 221.173 ± 0.039 χ^2/NDF : 1342517.8/22

+ sign 208.909 ± 0.025 χ^2/NDF : 3525352.4/59

All: 205.632 ± 0.017 χ^2/NDF : 7483146.1/120

- sign 202.508 ± 0.024 χ^2/NDF : 3923788.4/60

asym_bpm2i01WS_mean vs Slug



Right In: 3825.057+/-32.711 χ^2/NDF : 85259.2/34

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -5752.939+/-31.397 χ^2/NDF : 105951.9/37

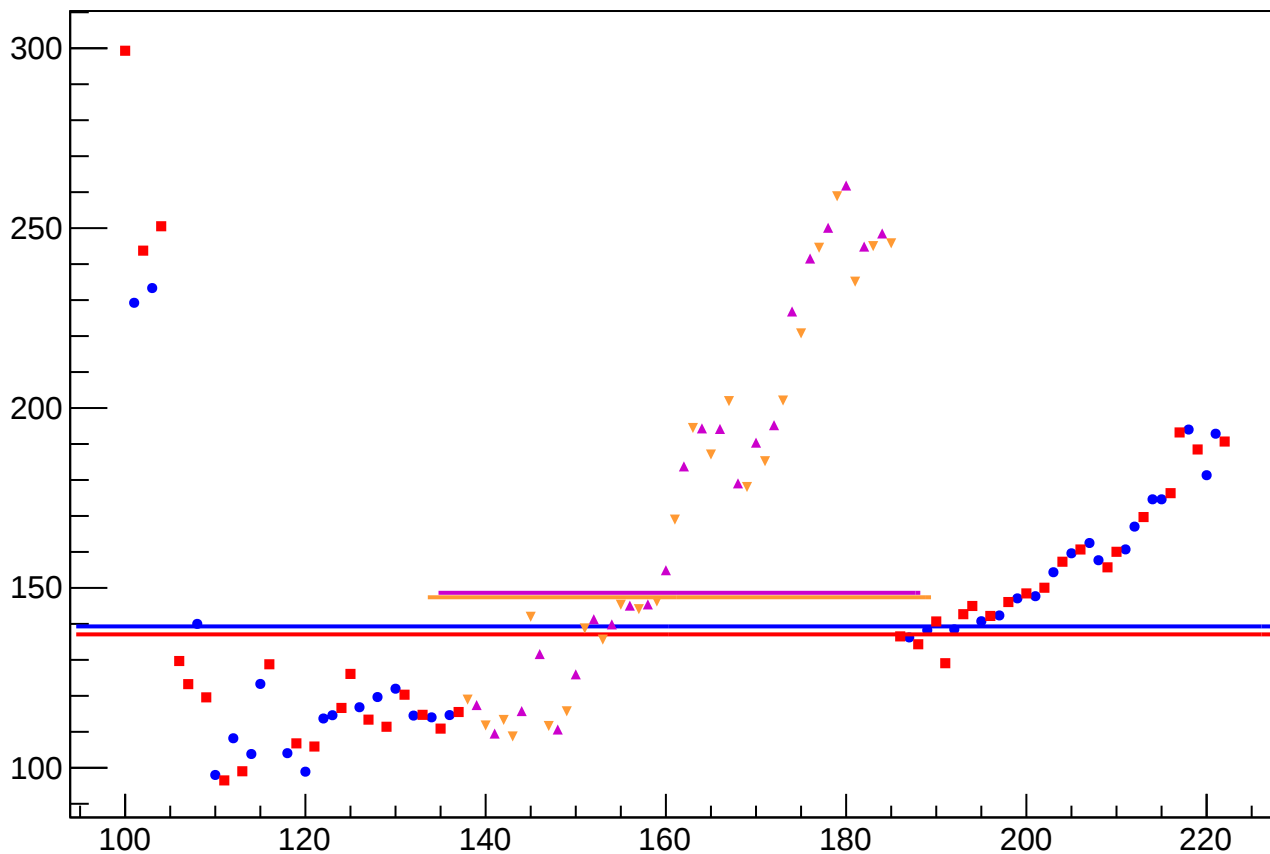
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -566.882+/-24.163 χ^2/NDF : 188335.1/59

All: -581.441+/-17.022 χ^2/NDF : 380799.7/12

- sign -595.783+/-23.983 χ^2/NDF : 192463.9/60

asym_bpm2i01WS_rms vs Slug



Right In: 139.300 $\pm$ 0.023 χ^2 /NDF: 1578454.5/34

Left Out: 147.396 $\pm$ 0.025 χ^2 /NDF: 2517097.1/24

Right Out: 137.085 $\pm$ 0.022 χ^2 /NDF: 1714076.8/37

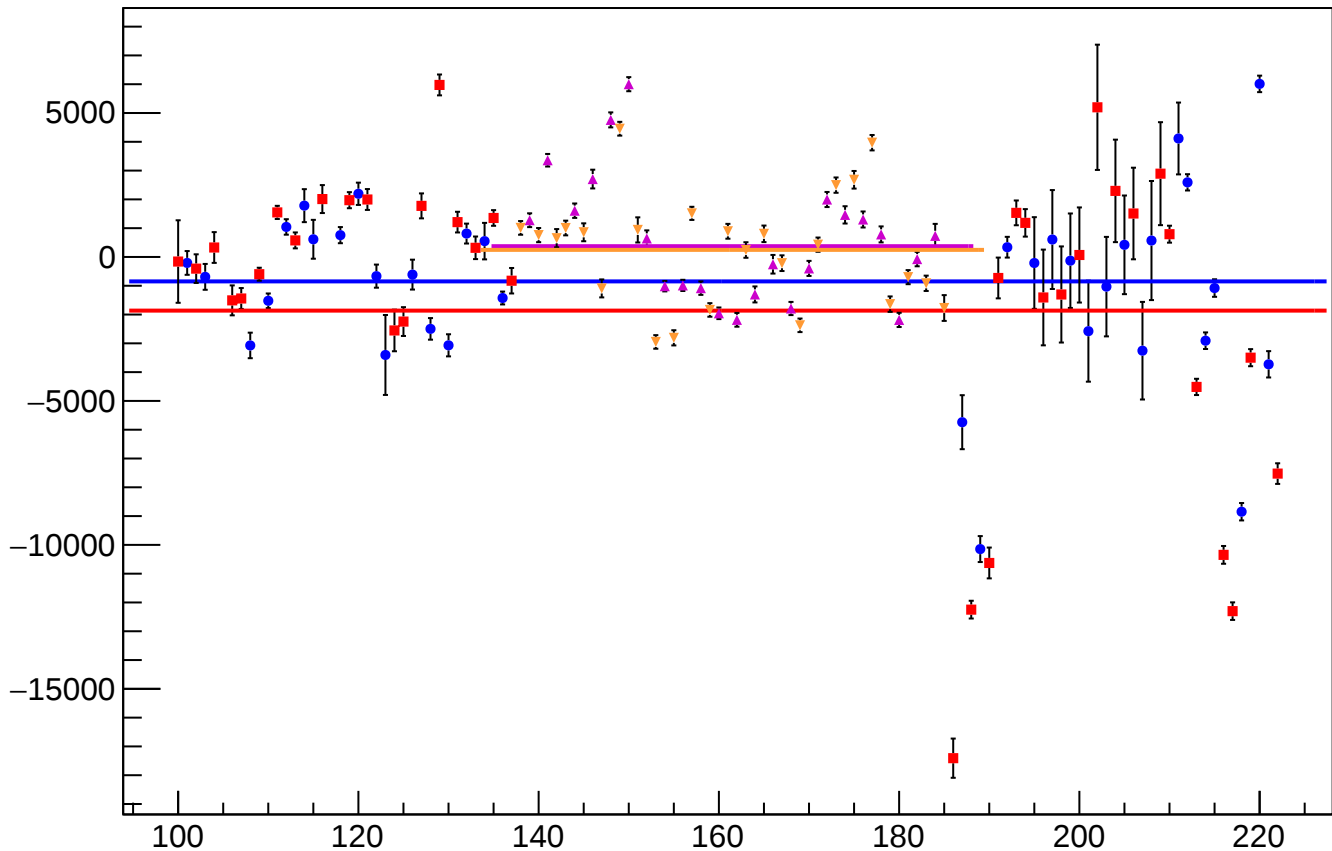
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF: 2415531.9/22

+ sign 142.979 $\pm$ 0.017 χ^2 /NDF: 4151211.7/59

All: 142.435 $\pm$ 0.012 χ^2 /NDF: 8395709.4/120

- sign 141.899 $\pm$ 0.017 χ^2 /NDF: 4242485.4/60

asym_bpm0i07WS_mean vs Slug



Right In: -848.520 ± 69.767 χ^2/NDF : 2293.4/34

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -1863.233 ± 64.216 χ^2/NDF : 5949.8/37

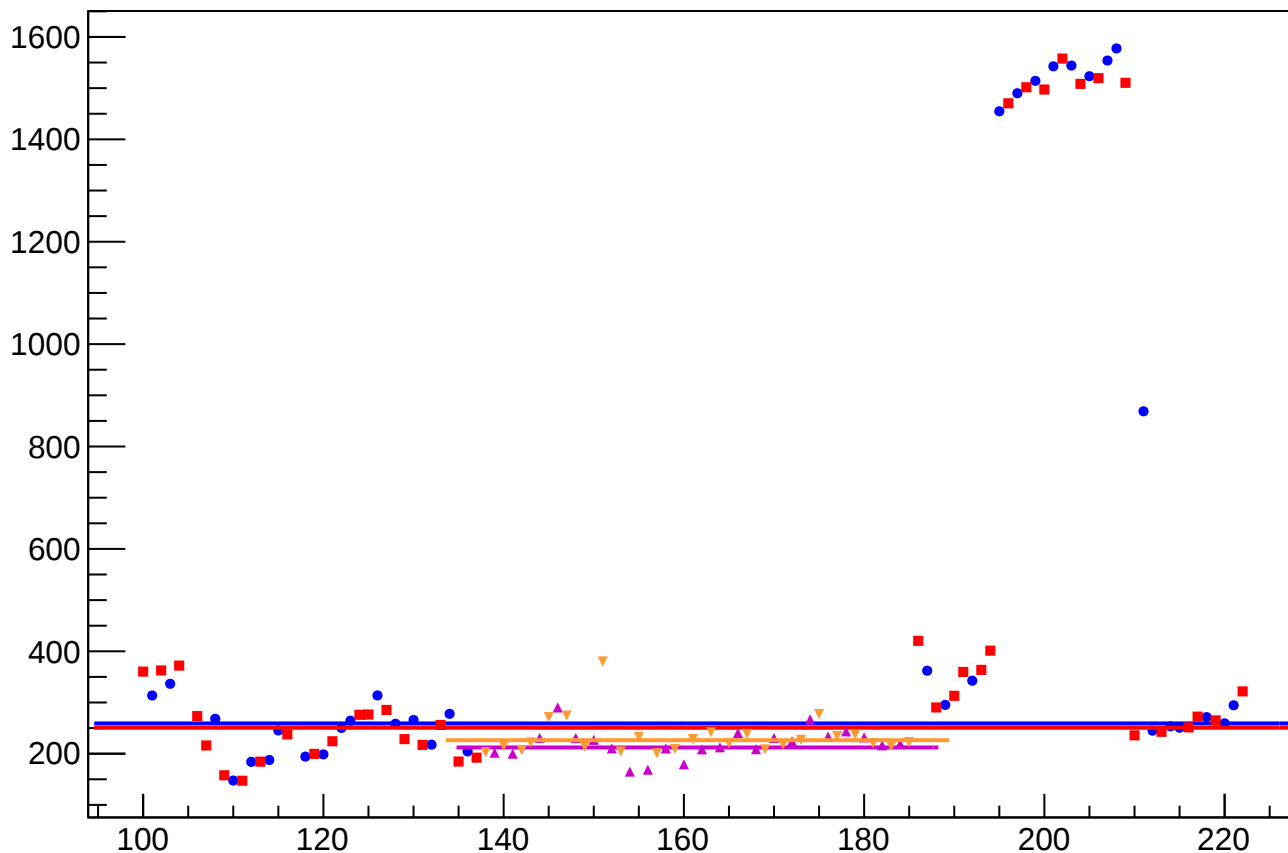
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -159.140 ± 42.450 χ^2/NDF : 3803.3/59

All: -343.160 ± 29.250 χ^2/NDF : 12321.7/120

- sign -509.516 ± 40.361 χ^2/NDF : 8482.6/60

asym_bpm0i07WS_rms vs Slug



Right In: 259.106 $\pm$ 0.049 χ^2 /NDF: 10214470.8/34

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 250.674 $\pm$ 0.045 χ^2 /NDF: 9375229.4/37

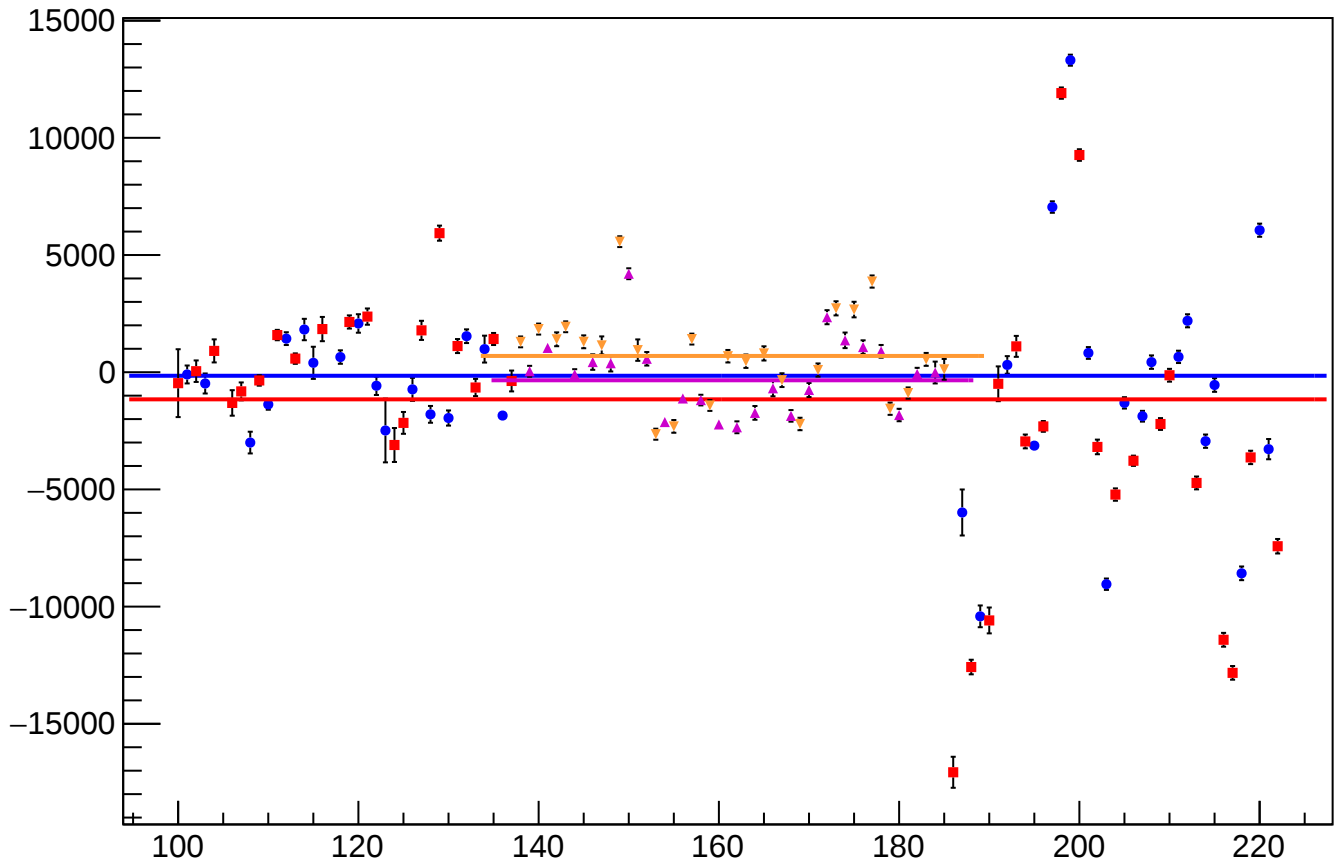
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 238.493 $\pm$ 0.030 χ^2 /NDF: 11013456.4/59

All: 232.649 $\pm$ 0.021 χ^2 /NDF: 21488121.0/12

- sign 227.366 $\pm$ 0.029 χ^2 /NDF: 10402488.8/60

asym_bpm0l01WS_mean vs Slug



Right In: -151.269 ± 51.872 $\chi^2/\text{NDF}: 8163.7/34$

Left Out: 694.326 ± 54.246 $\chi^2/\text{NDF}: 1422.1/24$

Right Out: -1157.586 ± 50.883 $\chi^2/\text{NDF}: 12167.9/37$

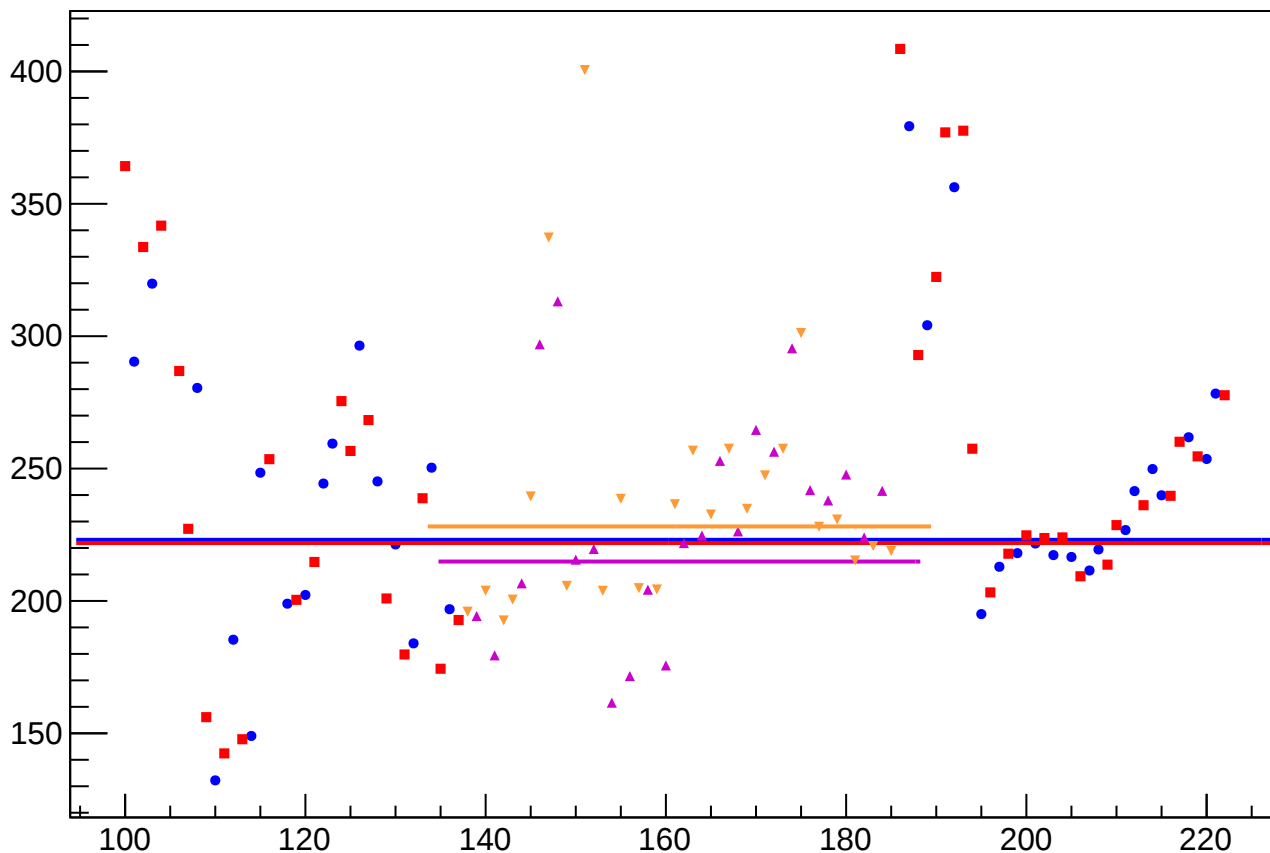
Left In: -344.578 ± 52.954 $\chi^2/\text{NDF}: 985.0/22$

+ sign 252.619 ± 37.490 $\chi^2/\text{NDF}: 9712.7/59$

All: -268.340 ± 26.222 $\chi^2/\text{NDF}: 23366.2/120$

- sign -767.292 ± 36.690 $\chi^2/\text{NDF}: 13275.5/60$

asym_bpm0l01WS_rms vs Slug



Right In: 223.089 $\pm$ 0.037 χ^2 /NDF: 1296338.6/34

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF:828399.3/24

Right Out: 221.879 $\pm$ 0.036 χ^2 /NDF: 1984778.5/37

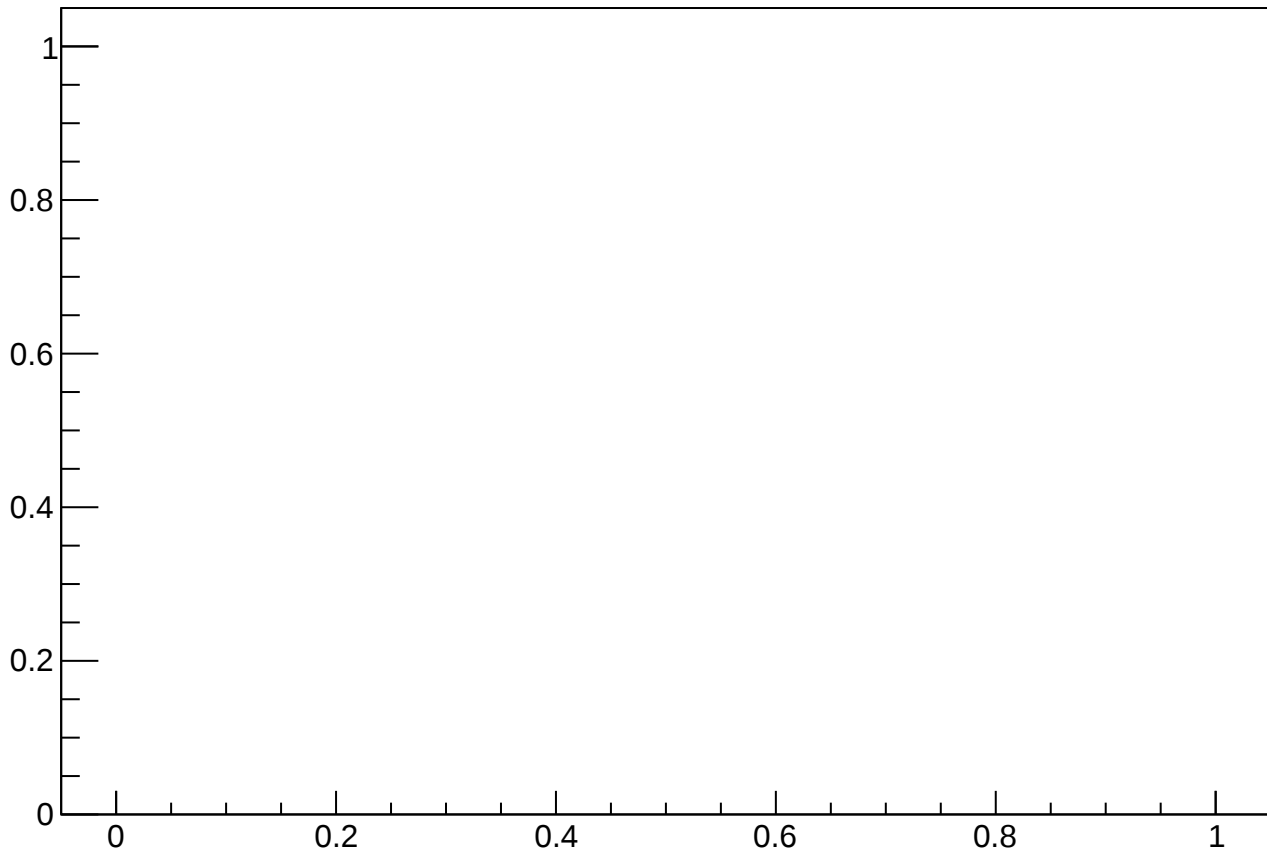
Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 225.503 $\pm$ 0.027 χ^2 /NDF: 2133809.8/59

All: 221.935 $\pm$ 0.019 χ^2 /NDF: 5209735.3/120

- sign 218.518 $\pm$ 0.026 χ^2 /NDF: 3040463.6/60

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

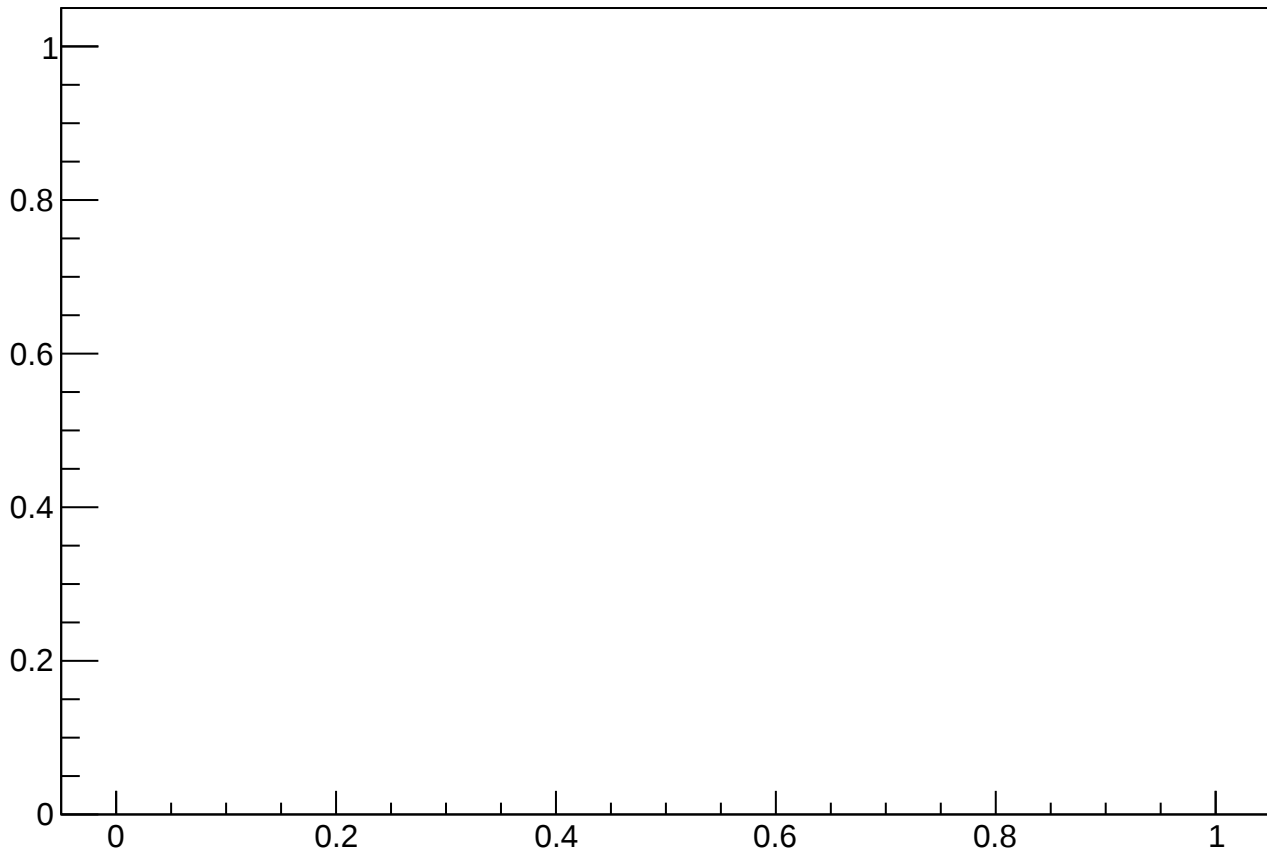
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

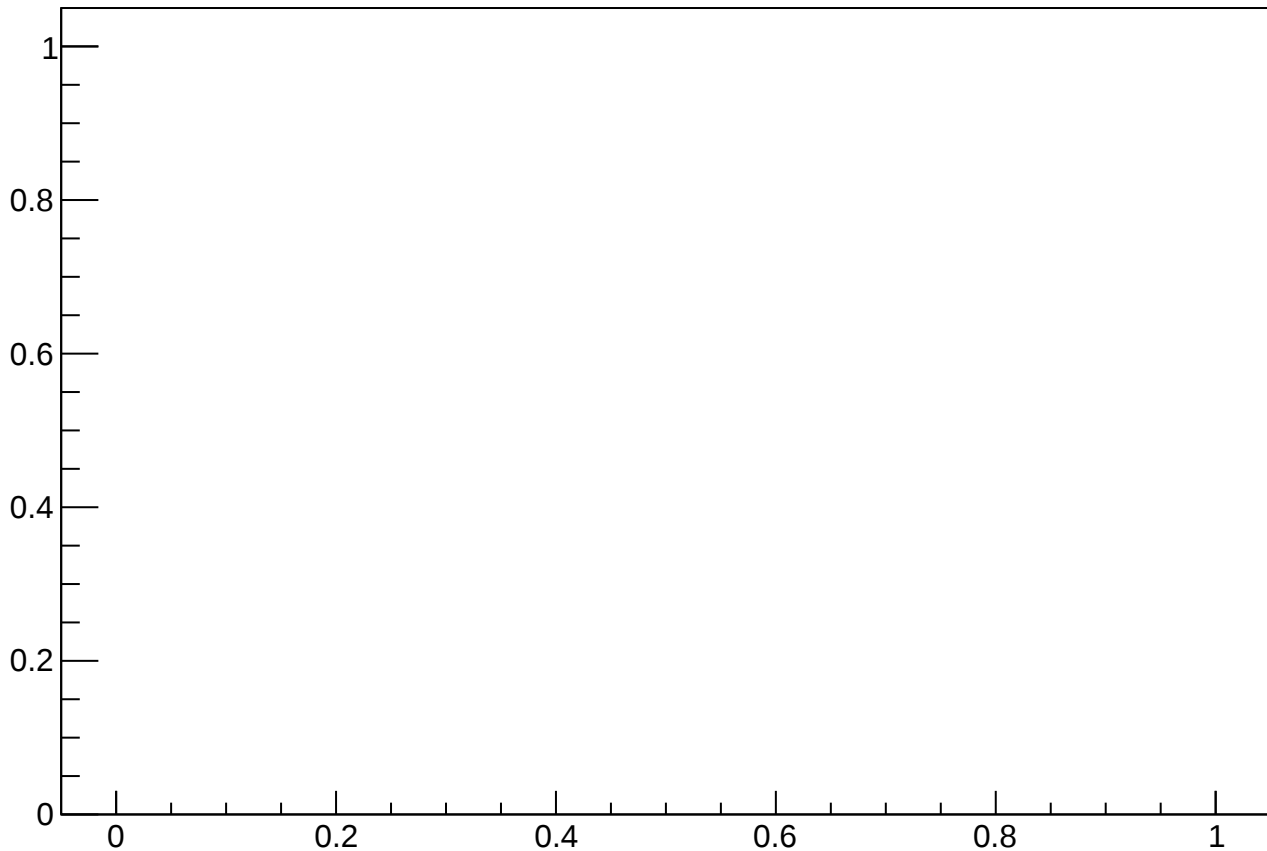
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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

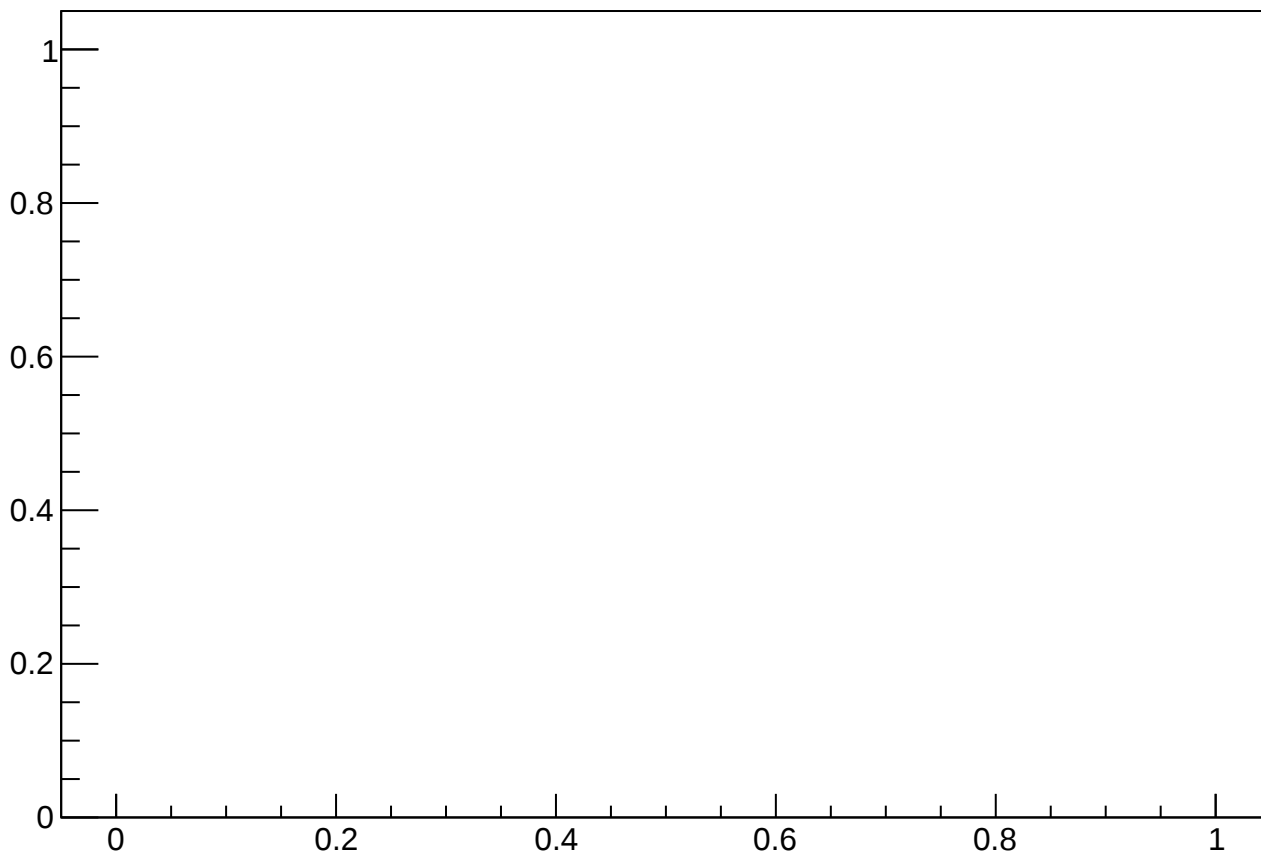
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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

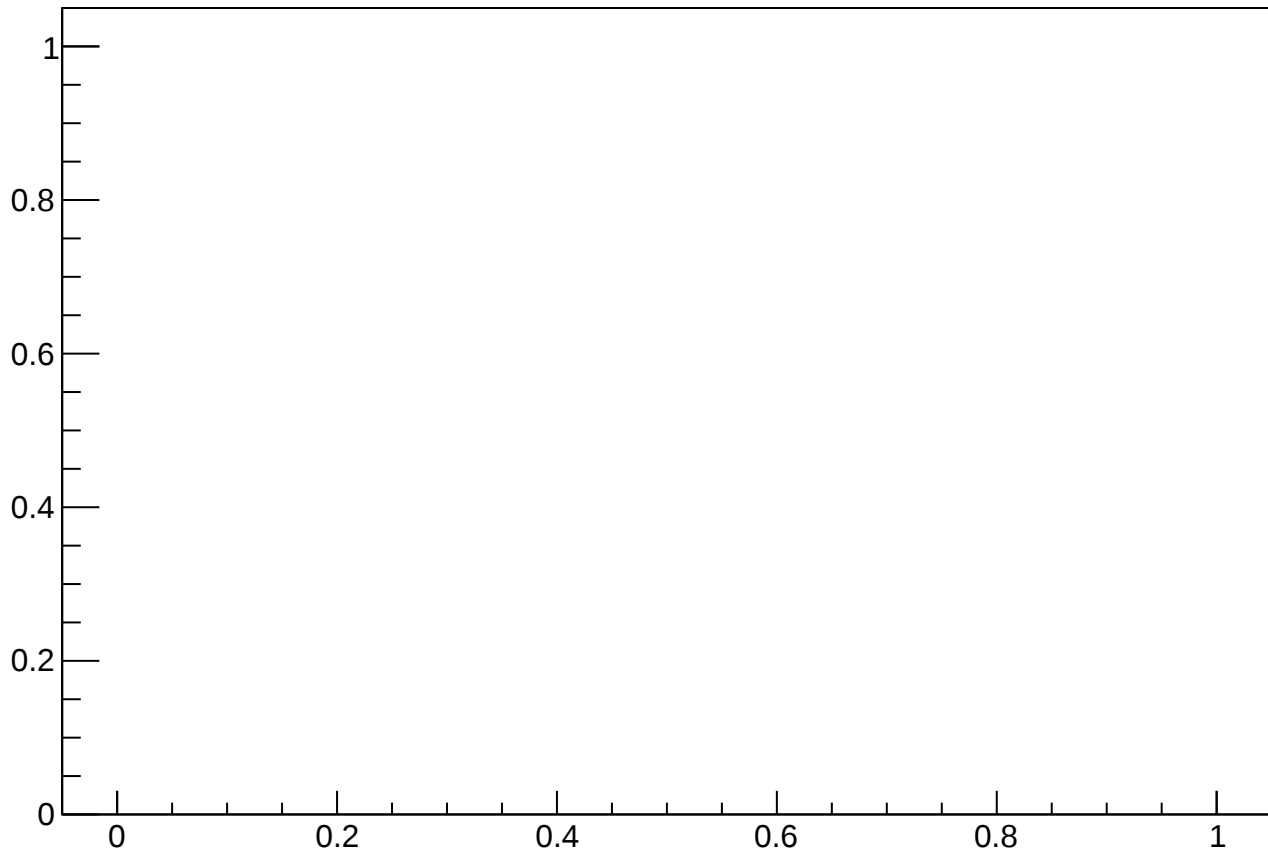
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

+ 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+/-0.000 χ^2/NDF : 0.0/0

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

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

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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_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

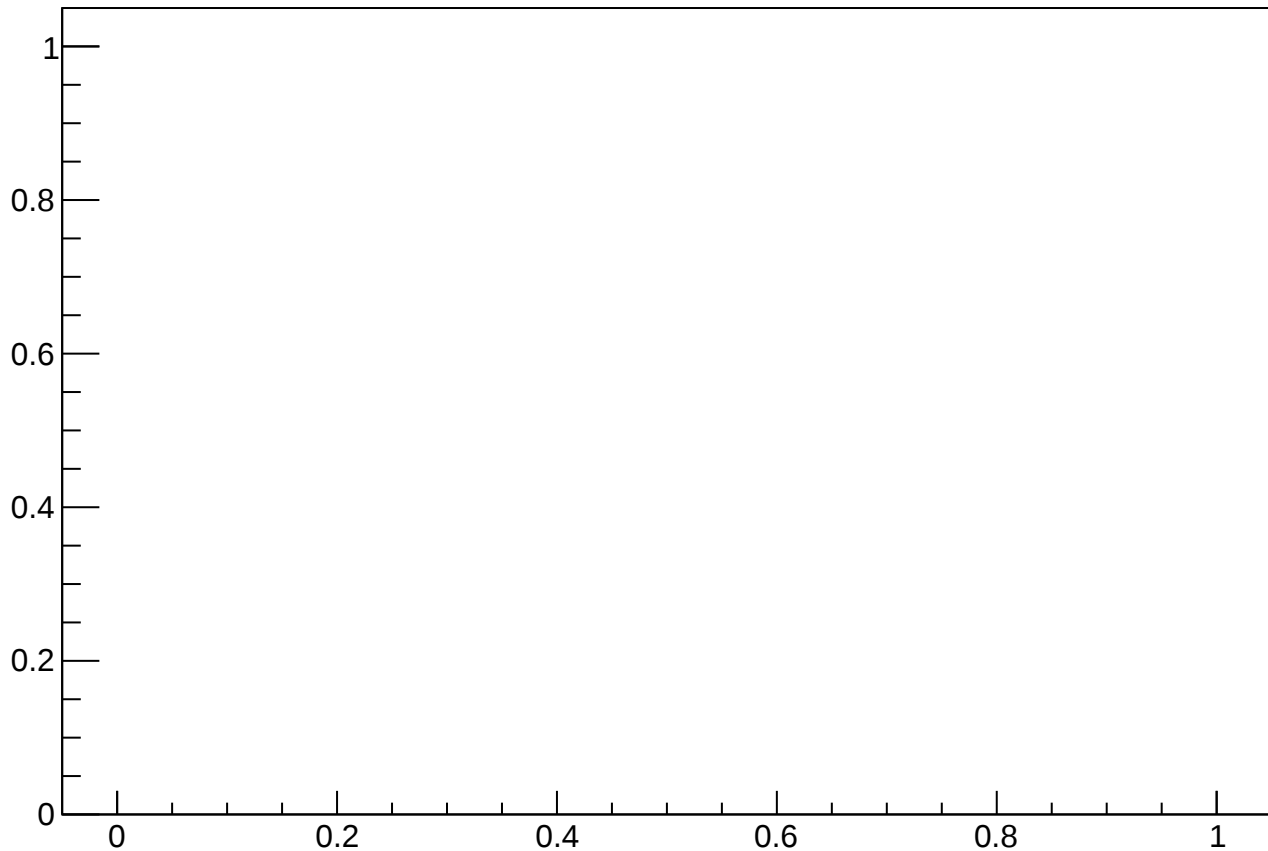
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

+ 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+/-0.000 χ^2/NDF : 0.0/0

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

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

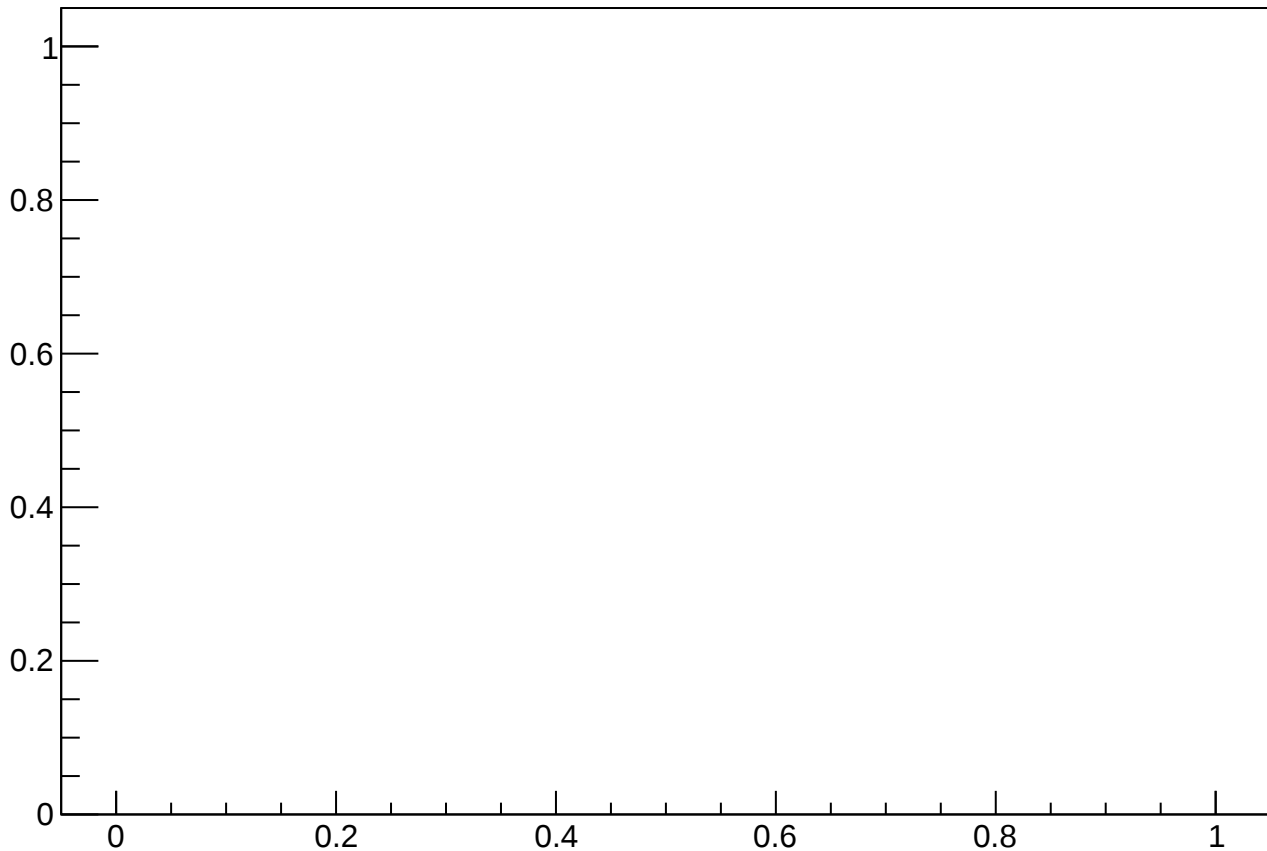
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



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

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

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

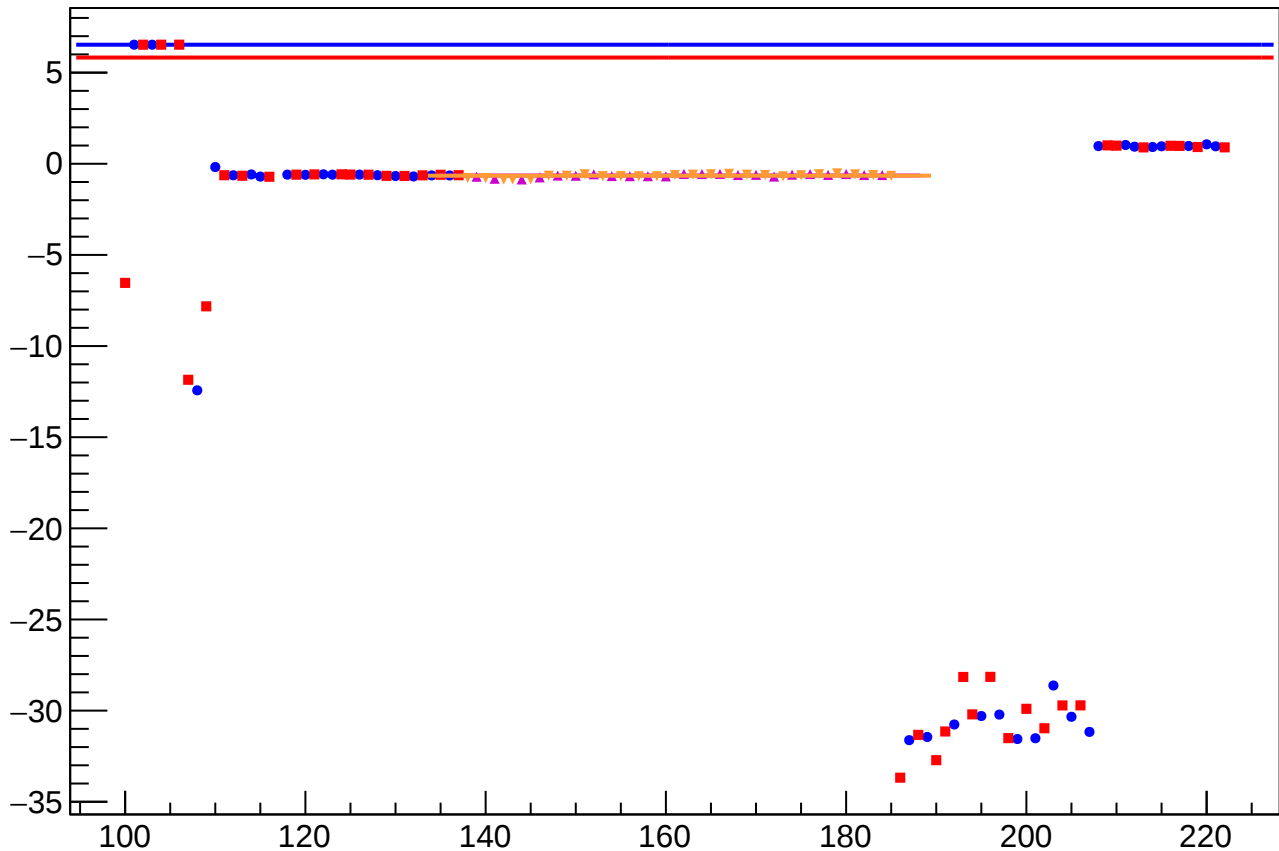
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 141991600808.3/34

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755972746312692.4/37

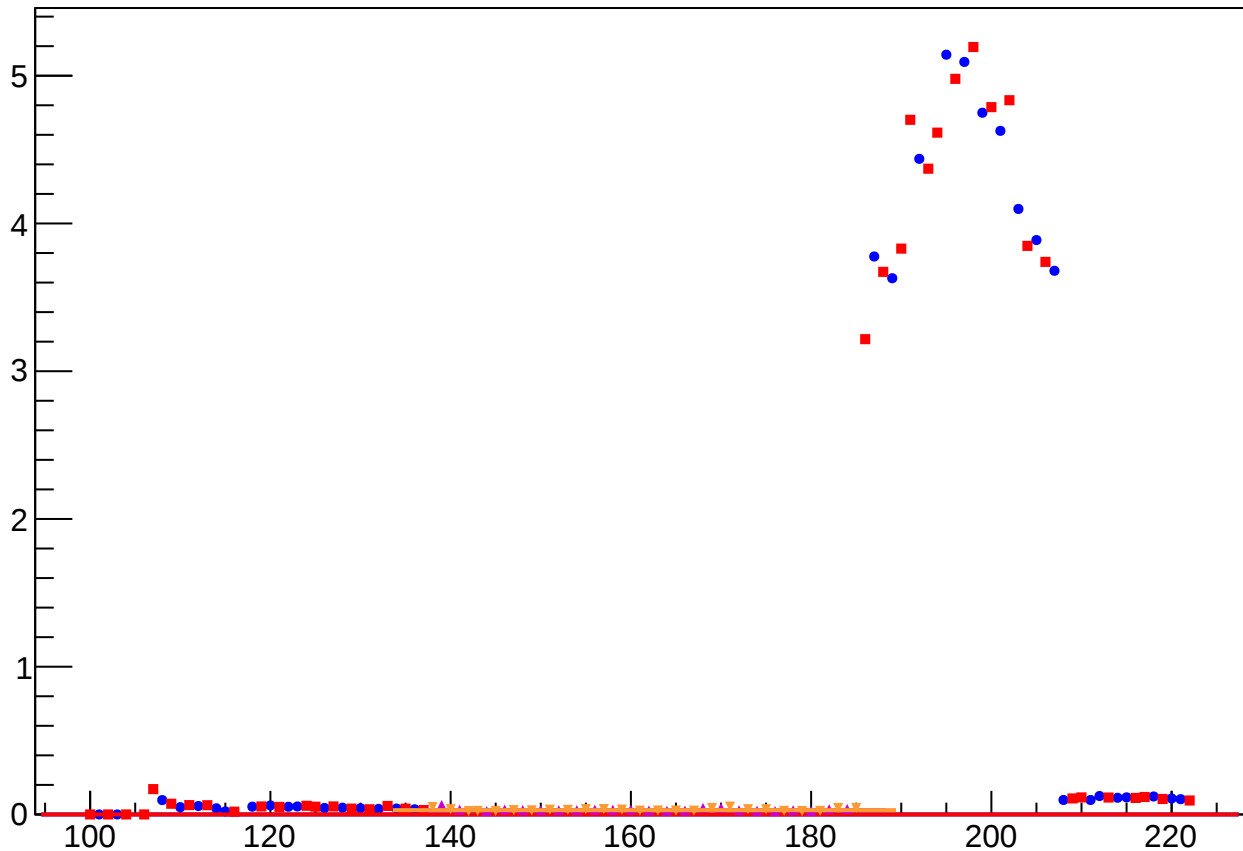
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1015823018377.6/59

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77765172585170

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756651204345229.0/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 33661723.5/34

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 35060022.9/37

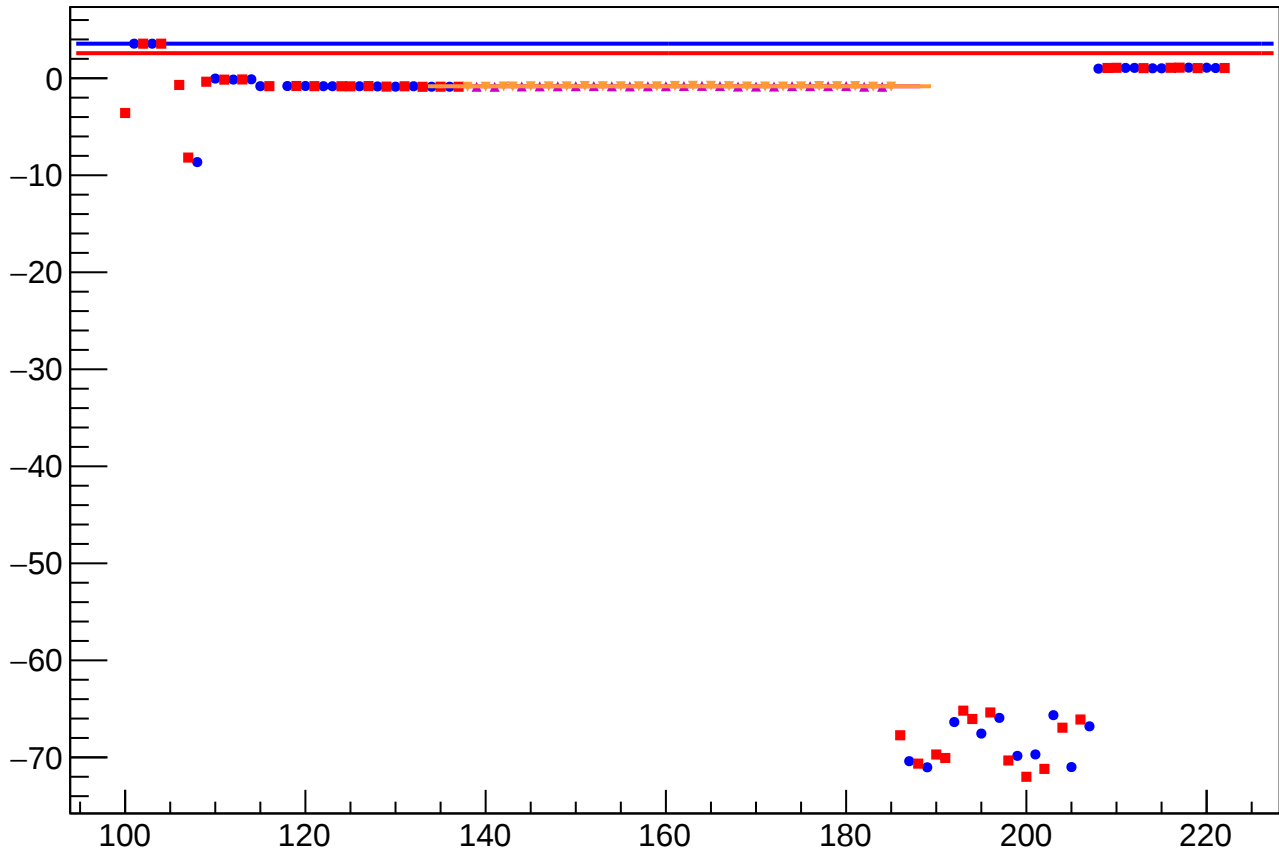
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 63624178.0/59

All: 0.000+/-0.000 χ^2/NDF : 126865747.1/120

- sign 0.000+/-0.000 χ^2/NDF : 63240844.7/60

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 602273715165.7/34

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

+ sign 3.560+/-0.000 χ^2/NDF : 4298463888479.0/59

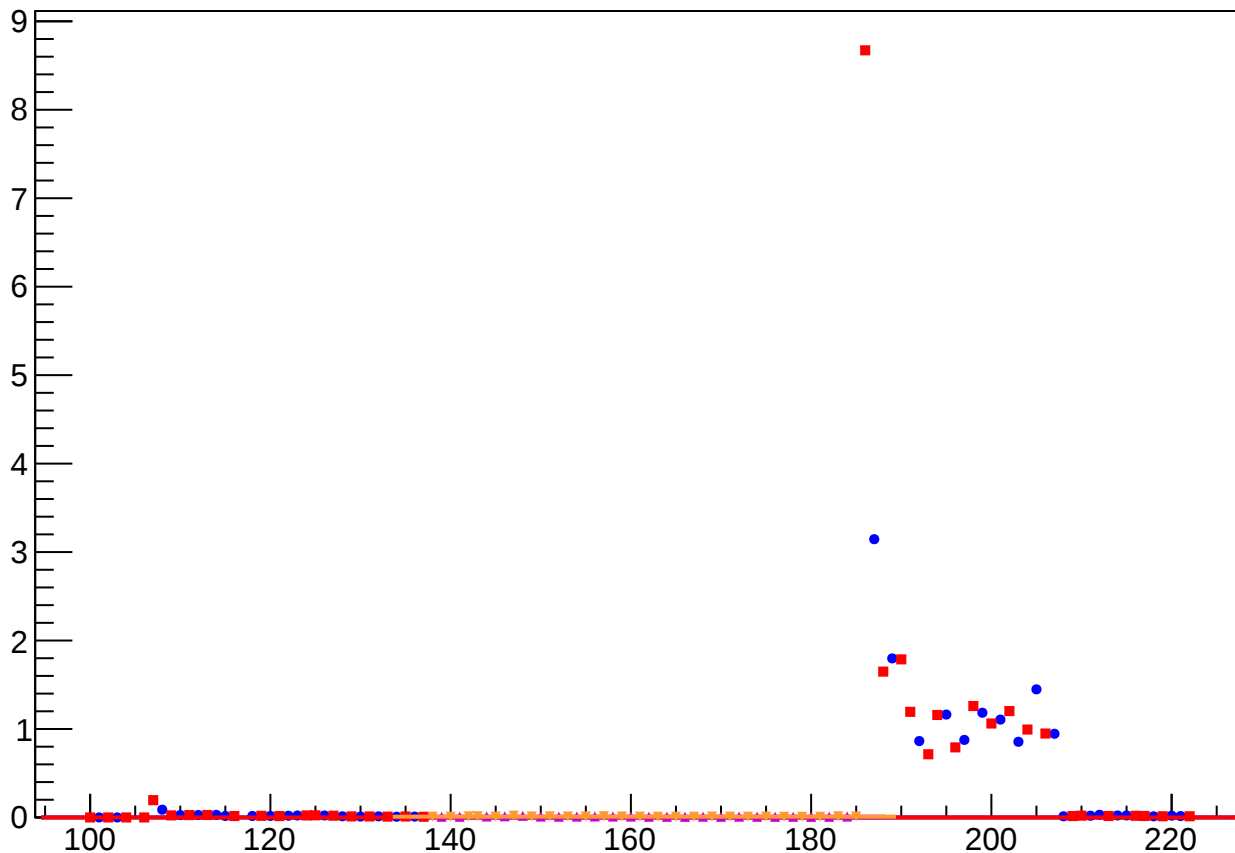
Right Out: 2.583+/-0.000 χ^2/NDF : 1253575319278724.8/37

All: 3.037+/-0.000 χ^2/NDF : 13881680485316

- sign 2.581+/-0.000 χ^2/NDF : 1255796278994808.0

Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 30574455.5/34

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 32554110.9/37

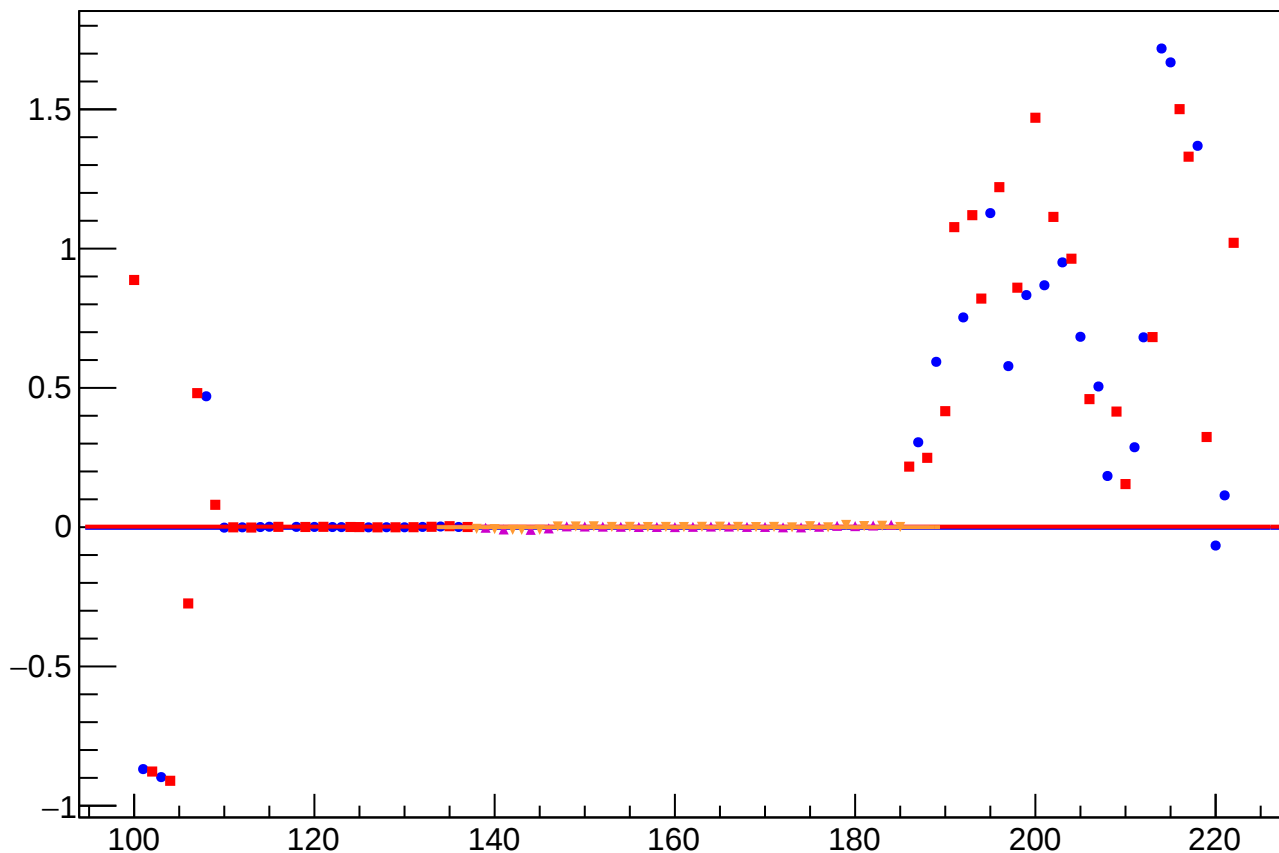
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 62075808.6/59

All: 0.000+/-0.000 χ^2/NDF : 124430620.7/120

- sign 0.000+/-0.000 χ^2/NDF : 62353756.7/60

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9797445691.2/34$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151559332.0/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3044395247.2/37$

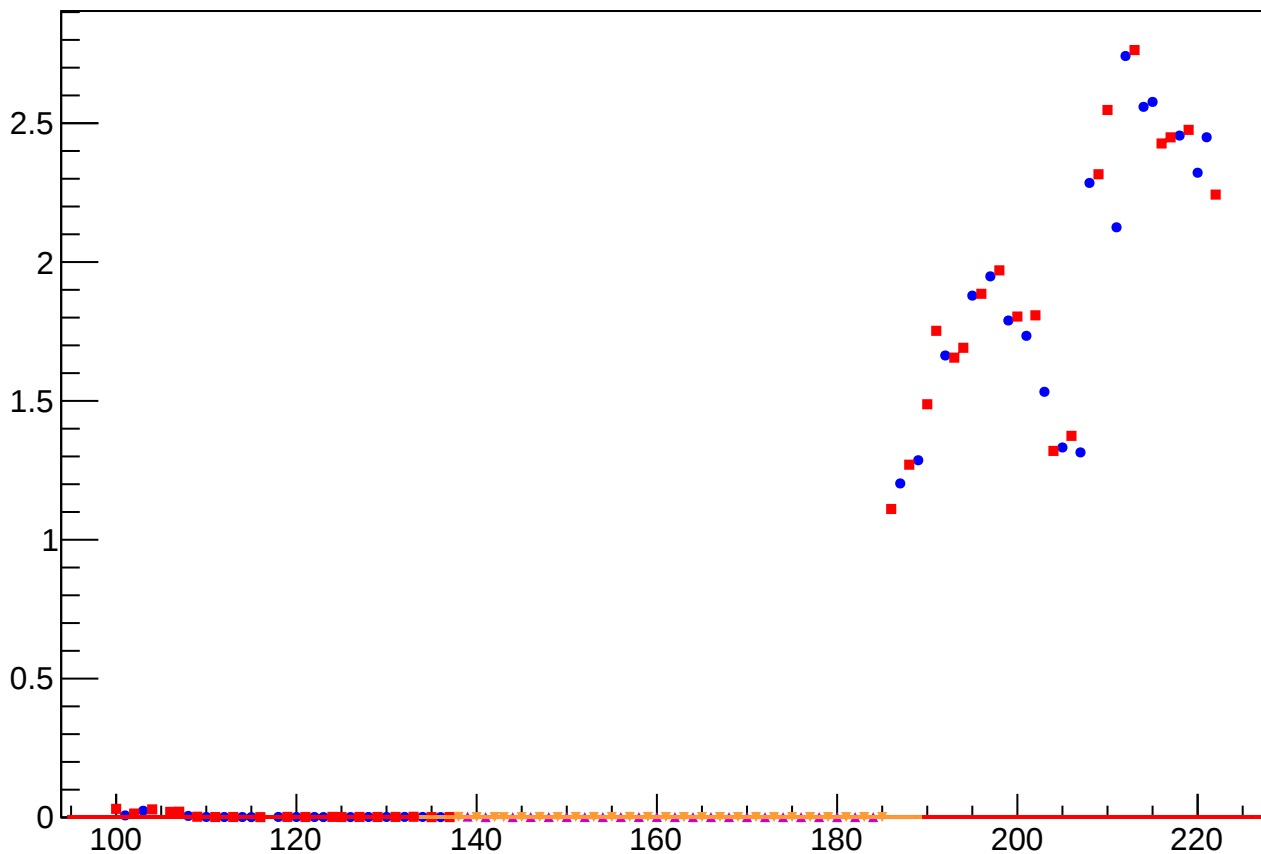
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101468517.6/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9955960480.0/59$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13111356255.4/131$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3147844185.0/60$

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 26724189.8/34

Left Out: 0.001+/-0.000 χ^2/NDF :539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 28741522.4/37

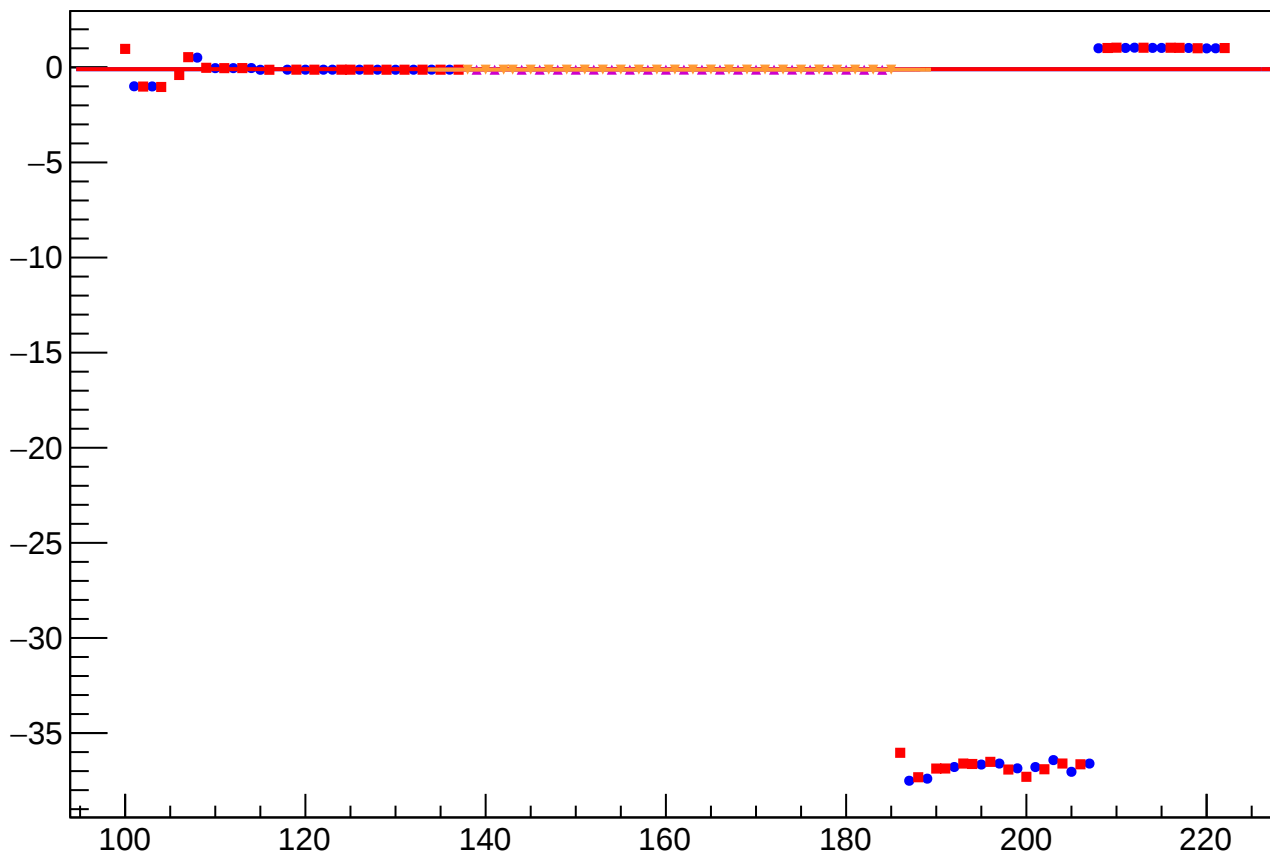
Left In: 0.001+/-0.000 χ^2/NDF :659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 27336058.6/59

All: 0.002+/-0.000 χ^2/NDF : 56857172.0/120

- sign 0.002+/-0.000 χ^2/NDF : 29513214.6/60

yield_cav4cY_mean vs Slug



Right In: -0.100 ± 0.000 $\chi^2/\text{NDF}: 111453916073.1/34$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.095 ± 0.000 $\chi^2/\text{NDF}: 115154803836.6/37$

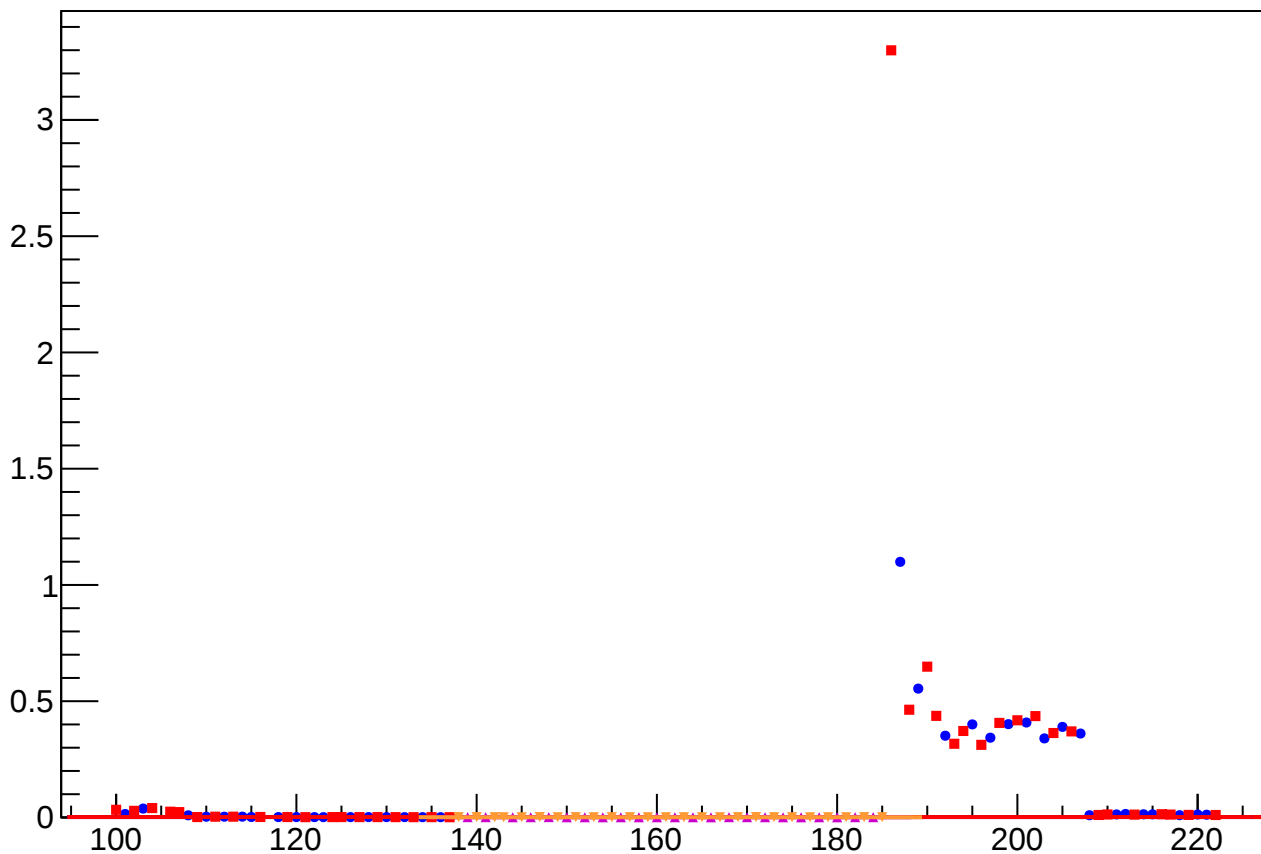
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 112307801479.6/59$

All: -0.119 ± 0.000 $\chi^2/\text{NDF}: 228719636585.3$

- sign -0.118 ± 0.000 $\chi^2/\text{NDF}: 116405559166.5/60$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 24081361.6/34

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 25980621.4/37

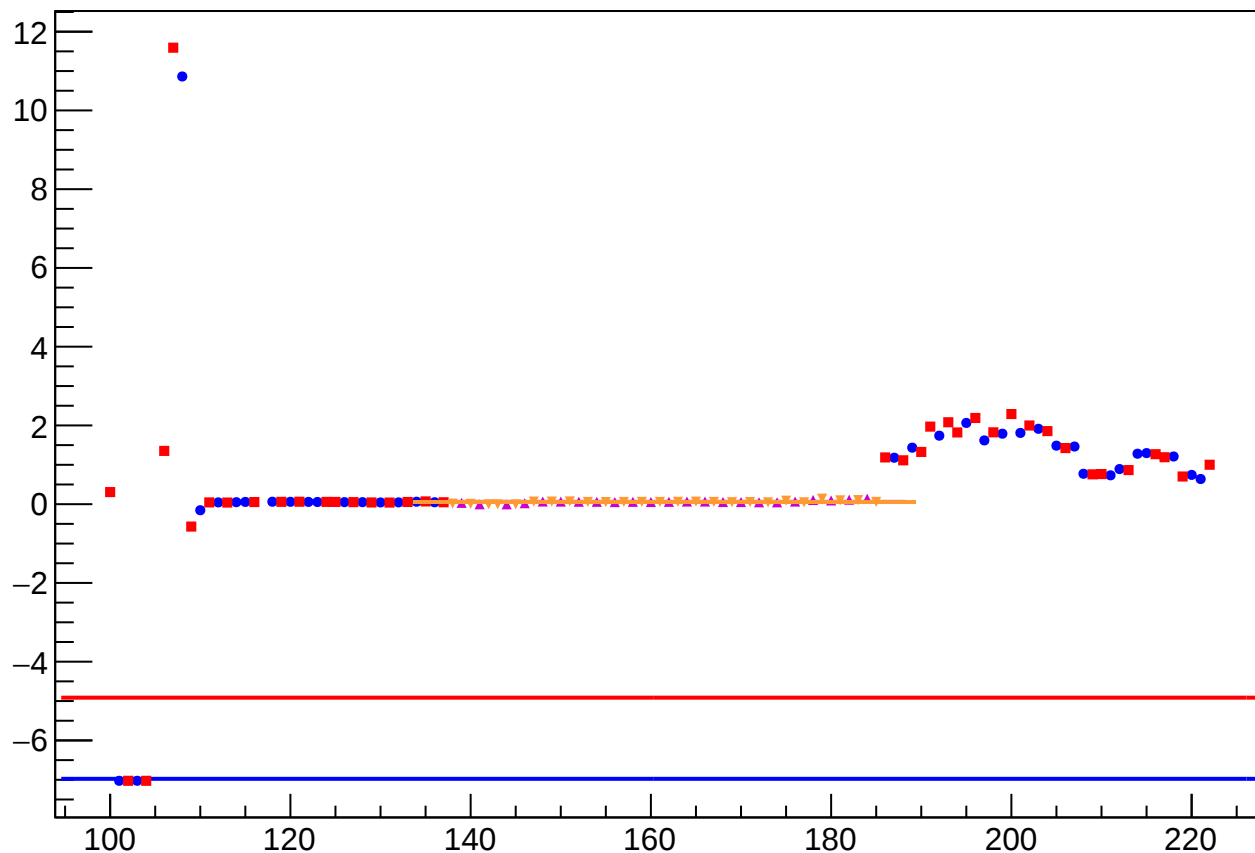
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 27598219.9/59

All: 0.001+/-0.000 χ^2/NDF : 56619635.2/120

- sign 0.001+/-0.000 χ^2/NDF : 29018988.9/60

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8763265697360.3/34

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348989023397.2/37

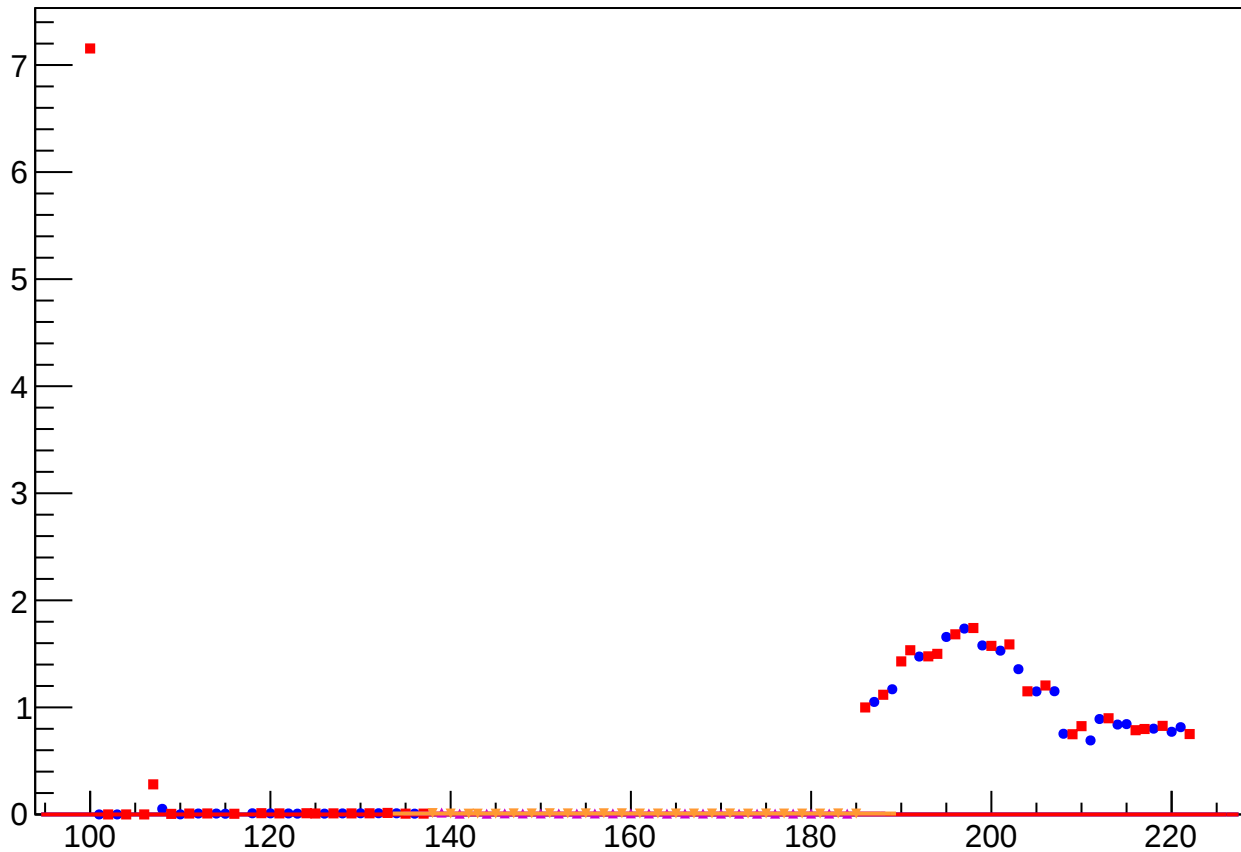
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18418245631346.9/34

All: -5.858 ± 0.000 χ^2/NDF : 4435823725685.2/34

- sign -4.882 ± 0.000 χ^2/NDF : 369771276392887.6/34

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 33055206.5/34

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 34510528.3/37

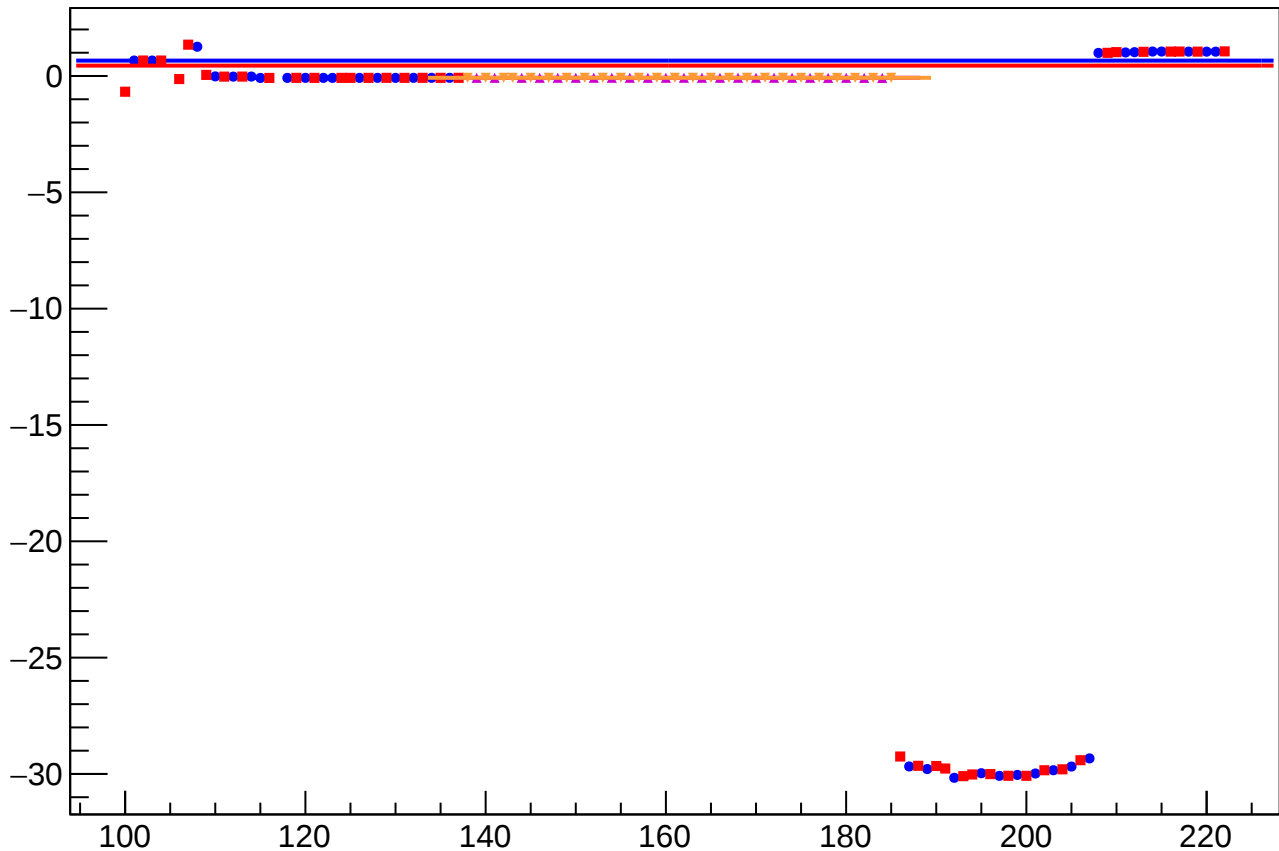
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 62040196.2/59

All: 0.000+/-0.000 χ^2/NDF : 124227186.4/120

- sign 0.000+/-0.000 χ^2/NDF : 62182496.0/60

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5650289604005.3/34

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156525648.0/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405488579392802.1/37

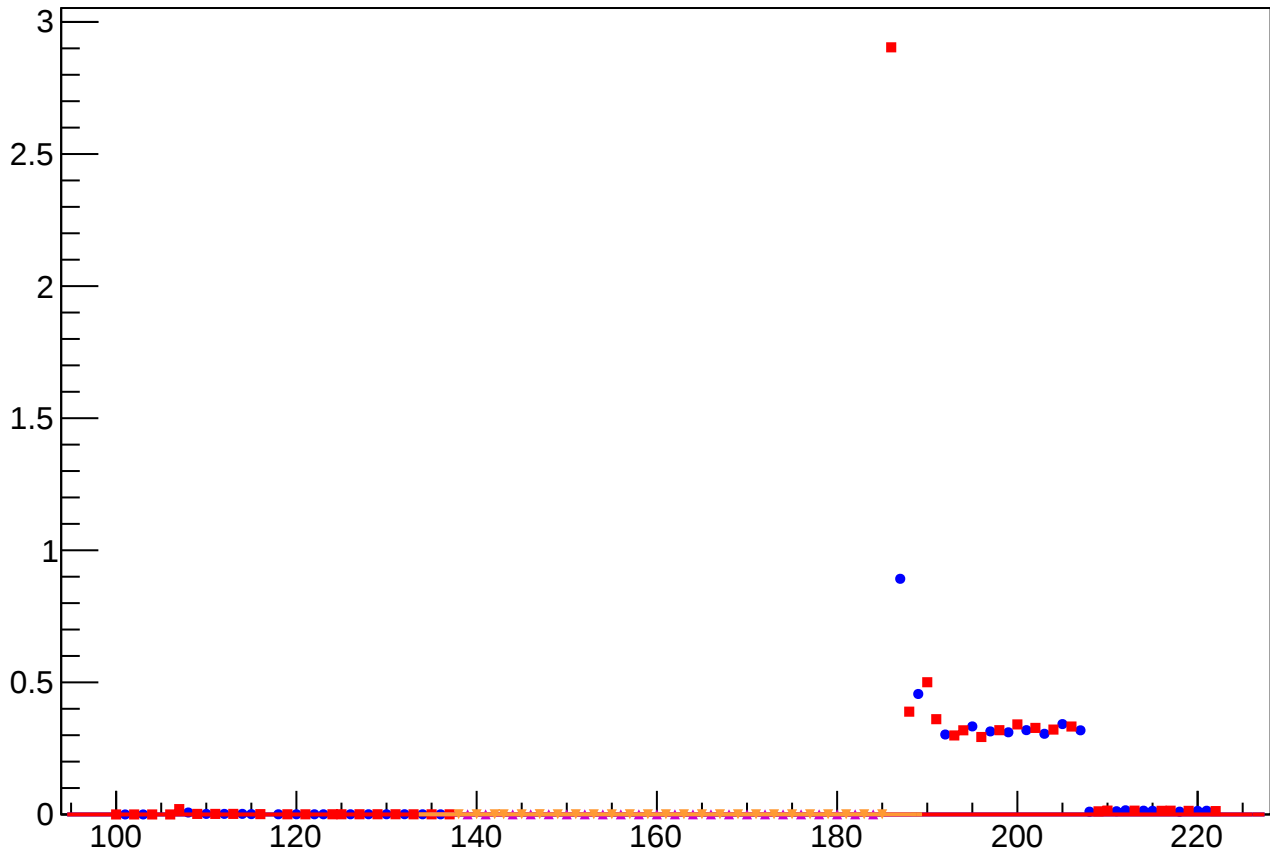
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 111221084.5/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35818130031372.4/5

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 5161187895693

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419720410411601.4/5

yield_cav4dY_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 34245045.3/34

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:466355.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 35013206.1/37

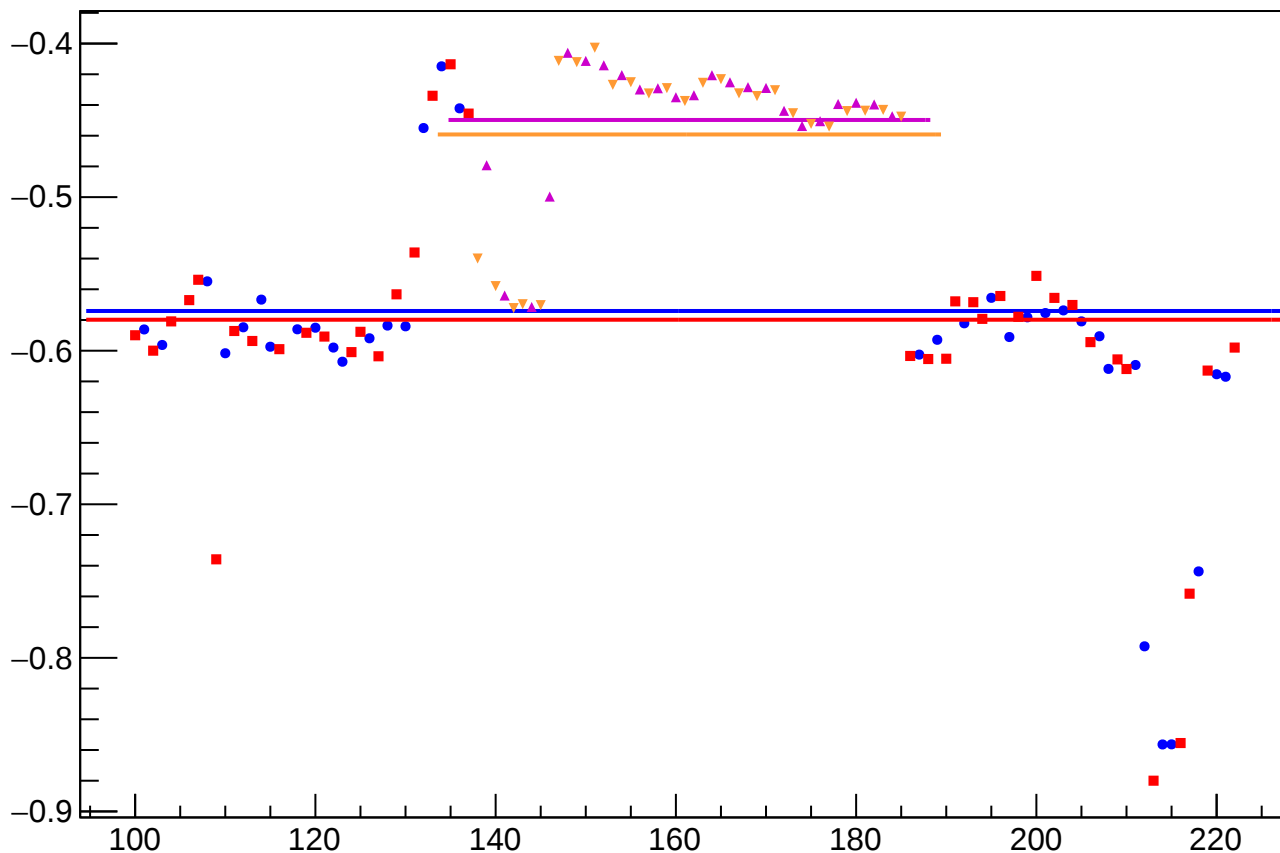
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:355587.5/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 66874830.2/59

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 132916917.1/120

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 66034702.8/60

yield_bpm4aX_mean vs Slug



Right In: -0.574 ± 0.000 χ^2/NDF : 115421352.3/34

Left Out: -0.459 ± 0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.580 ± 0.000 χ^2/NDF : 120036718.1/37

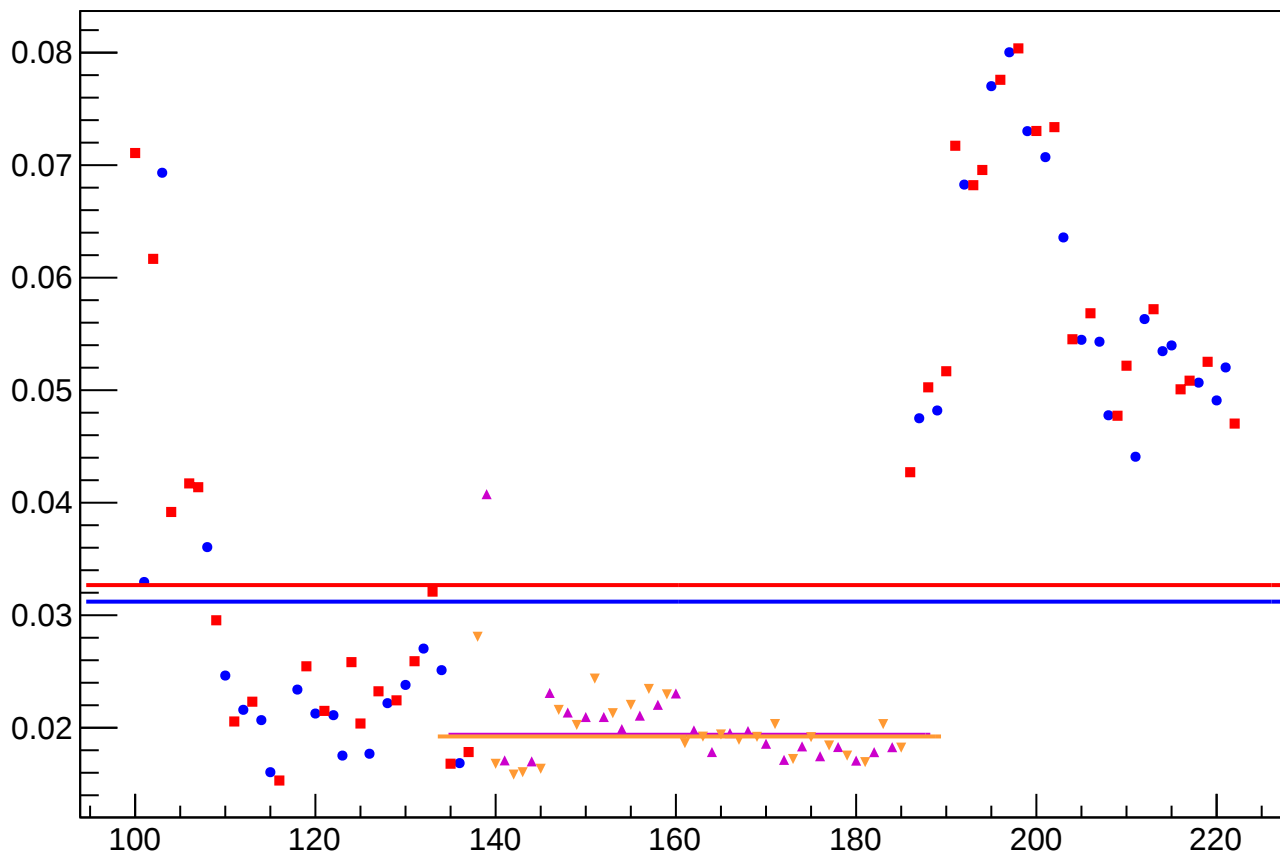
Left In: -0.450 ± 0.000 χ^2/NDF : 76151485.7/22

+ sign -0.489 ± 0.000 χ^2/NDF : 368248083.4/59

All: -0.487 ± 0.000 χ^2/NDF : 735803942.4/12

- sign -0.485 ± 0.000 χ^2/NDF : 367049713.5/60

yield_bpm4aX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 8129823.4/34

Left Out: 0.019+/-0.000 χ^2/NDF : 501253.7/24

Right Out: 0.033+/-0.000 χ^2/NDF : 7987296.7/37

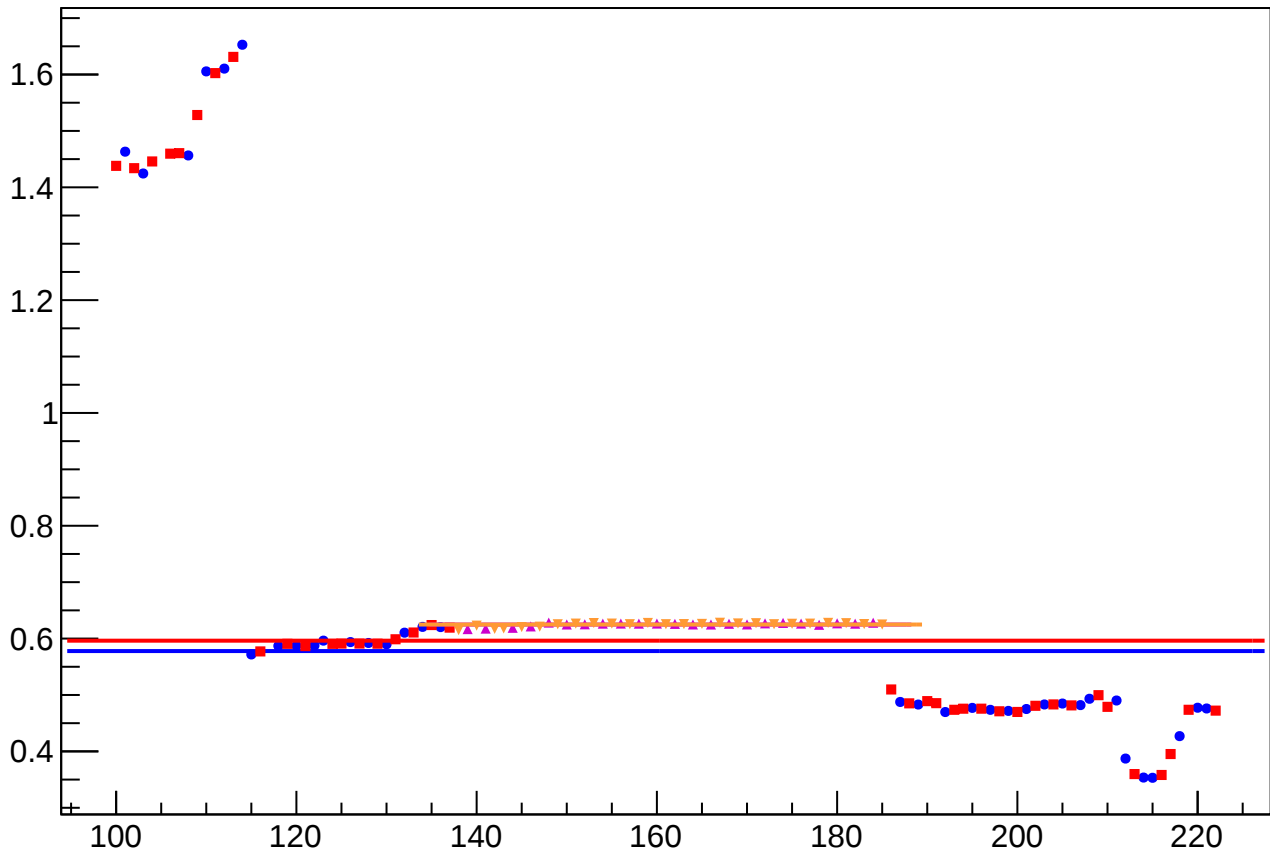
Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

+ sign 0.022+/-0.000 χ^2/NDF : 11652502.7/59

All: 0.023+/-0.000 χ^2/NDF : 23889090.4/120

- sign 0.023+/-0.000 χ^2/NDF : 12216963.9/60

yield_bpm4aY_mean vs Slug



Right In: 0.578 $\pm$ 0.000 χ^2 /NDF: 5631830946.6/34

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1442225.6/24

Right Out: 0.596 $\pm$ 0.000 χ^2 /NDF: 6677689233.3/37

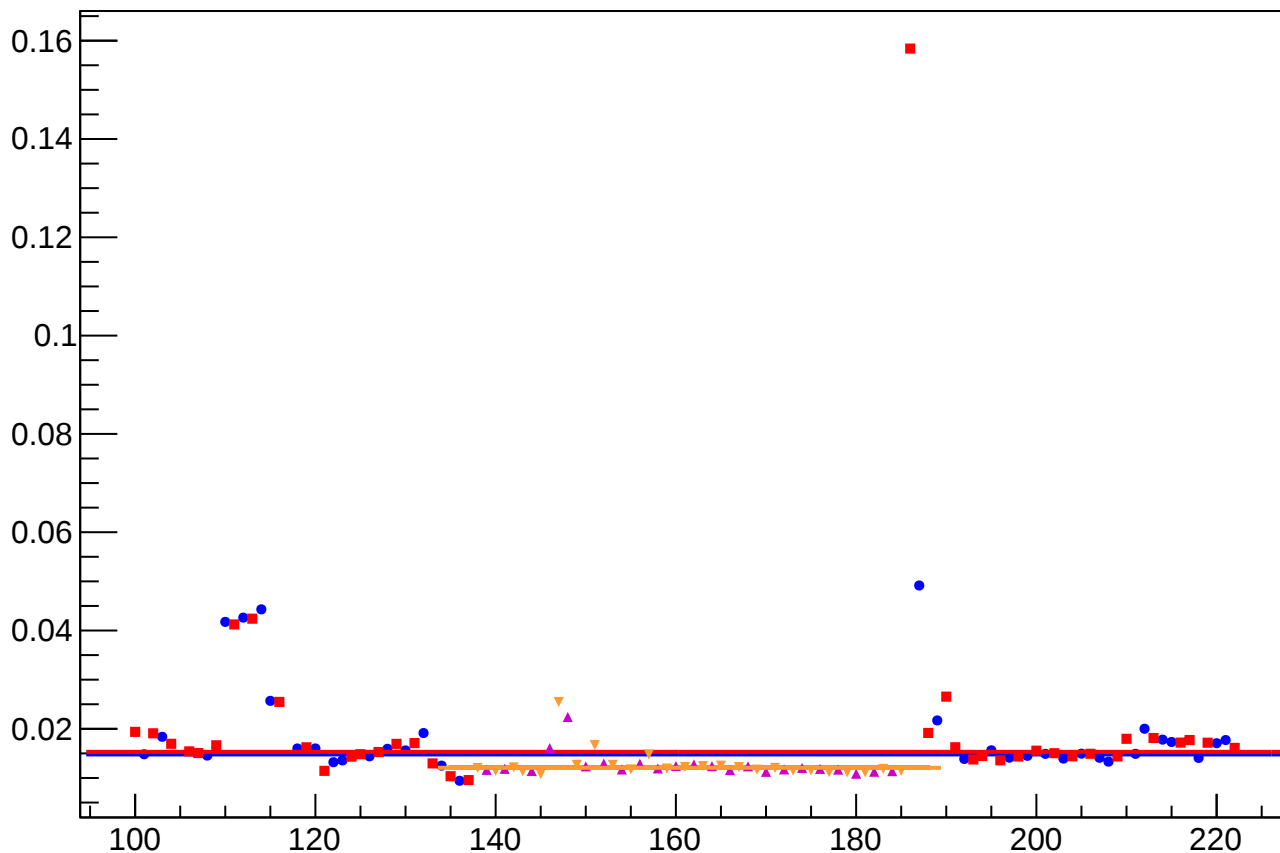
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

+ sign 0.606 $\pm$ 0.000 χ^2 /NDF: 5740311786.2/59

All: 0.610 $\pm$ 0.000 χ^2 /NDF: 12461880244.2/1

- sign 0.613 $\pm$ 0.000 χ^2 /NDF: 6716616862.9/60

yield_bpm4aY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1906157.5/34

Left Out: 0.012+/-0.000 χ^2/NDF : 657433.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2232390.8/37

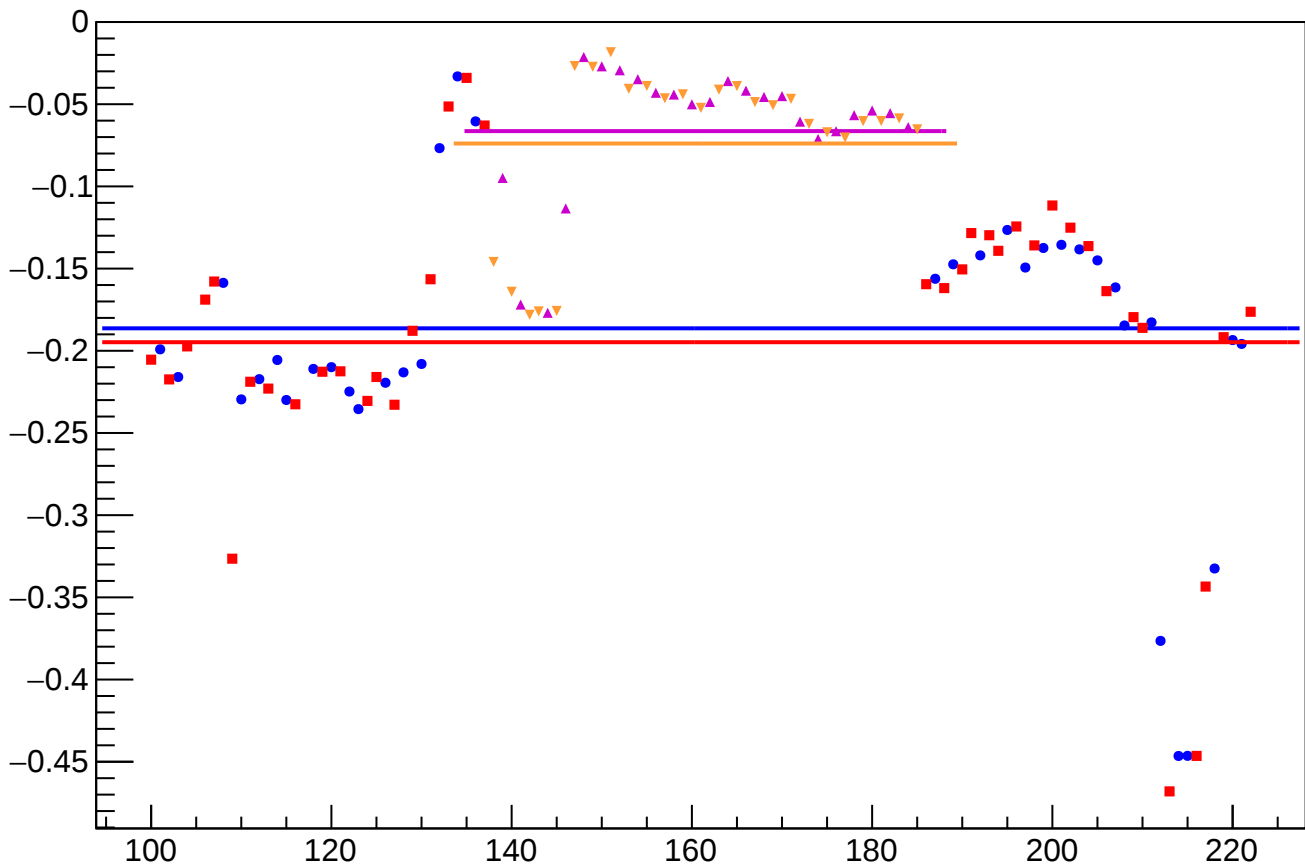
Left In: 0.012+/-0.000 χ^2/NDF : 488249.4/22

+ sign 0.013+/-0.000 χ^2/NDF : 3275917.4/59

All: 0.013+/-0.000 χ^2/NDF : 6951418.2/120

- sign 0.013+/-0.000 χ^2/NDF : 3660863.1/60

yield_bpm4eX_mean vs Slug



Right In: -0.186+/-0.000 χ^2/NDF : 127827667.7/34

Left Out: -0.074+/-0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.195+/-0.000 χ^2/NDF : 134252657.3/37

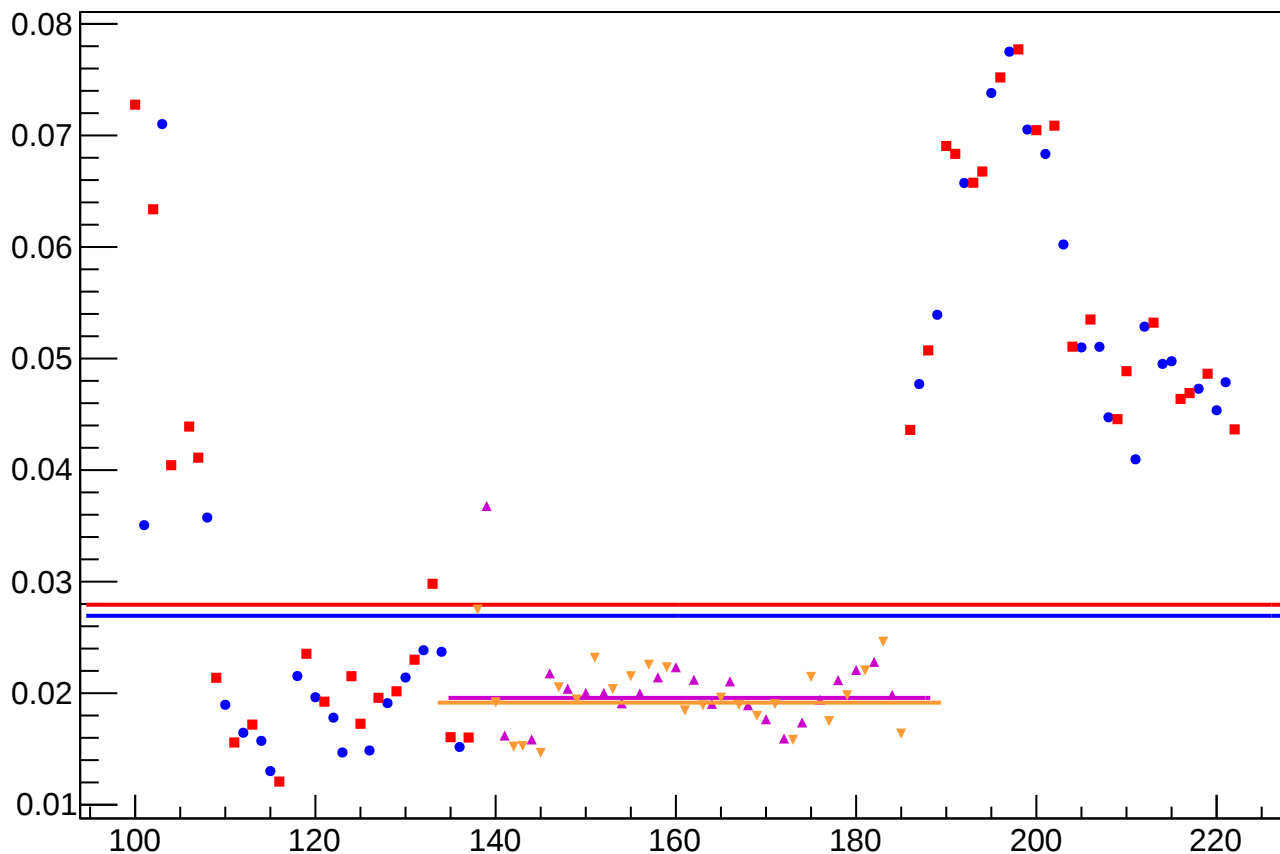
Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

+ sign -0.108+/-0.000 χ^2/NDF : 394949295.7/59

All: -0.108+/-0.000 χ^2/NDF : 804334178.1/12

- sign -0.108+/-0.000 χ^2/NDF : 409375023.7/60

yield_bpm4eX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 9559744.9/34

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 641027.3/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9803898.1/37

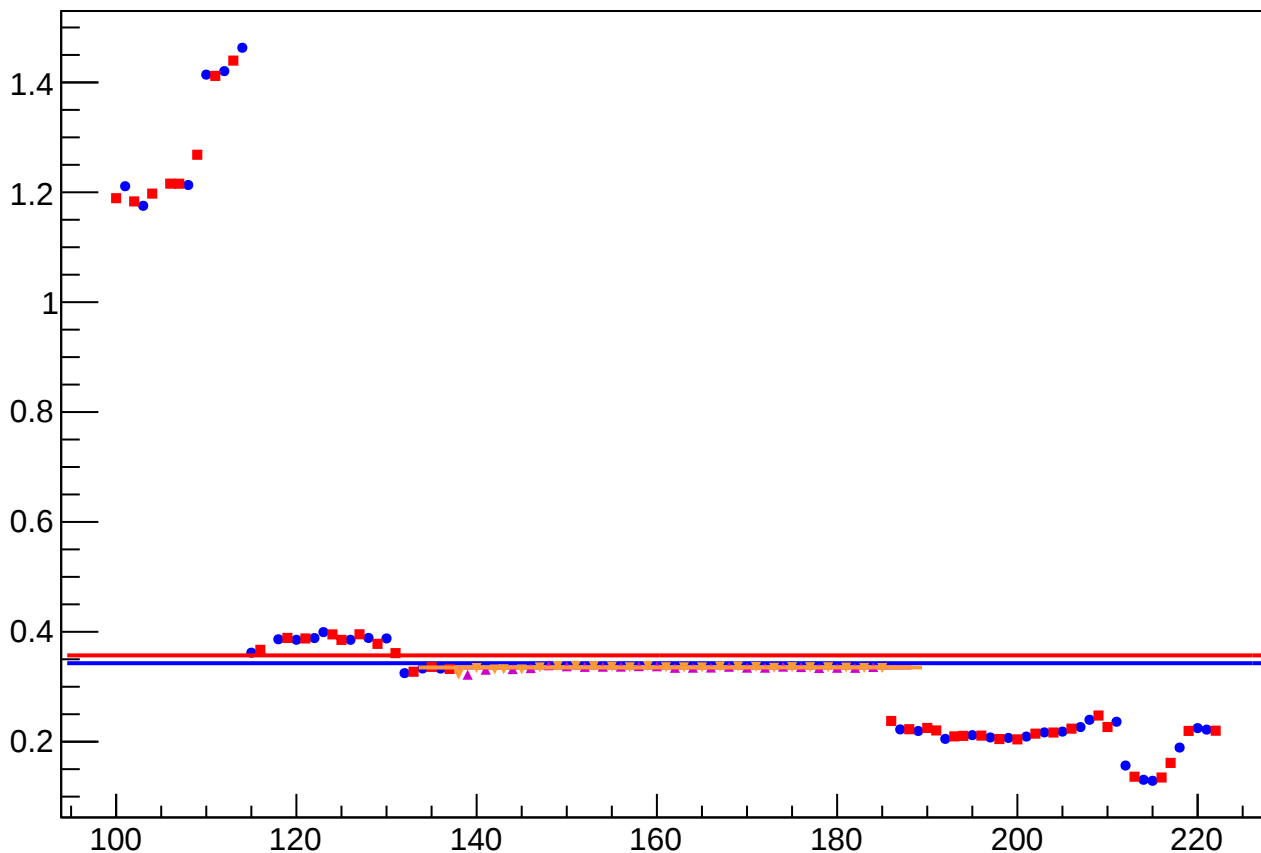
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 651328.7/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11728248.5/59

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 23896487.4/120

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 12137431.5/60

yield_bpm4eY_mean vs Slug



Right In: 0.343+/-0.000 χ^2/NDF : 8114466752.7/34

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.357+/-0.000 χ^2/NDF : 9203453932.7/37

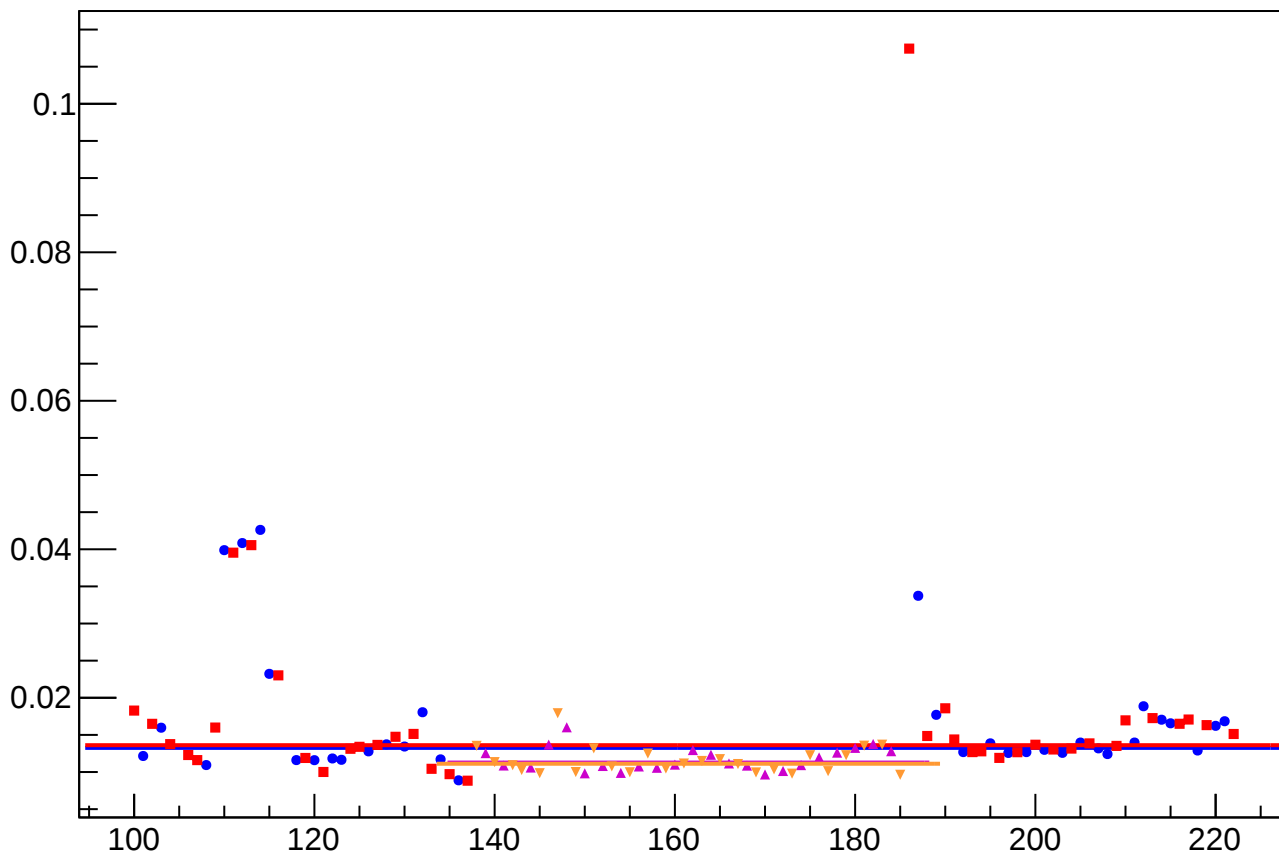
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.338+/-0.000 χ^2/NDF : 8119148305.5/59

All: 0.341+/-0.000 χ^2/NDF : 17355549280.2/100

- sign 0.344+/-0.000 χ^2/NDF : 9231947869.5/60

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1925843.2/34

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 608235.7/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2272119.2/37

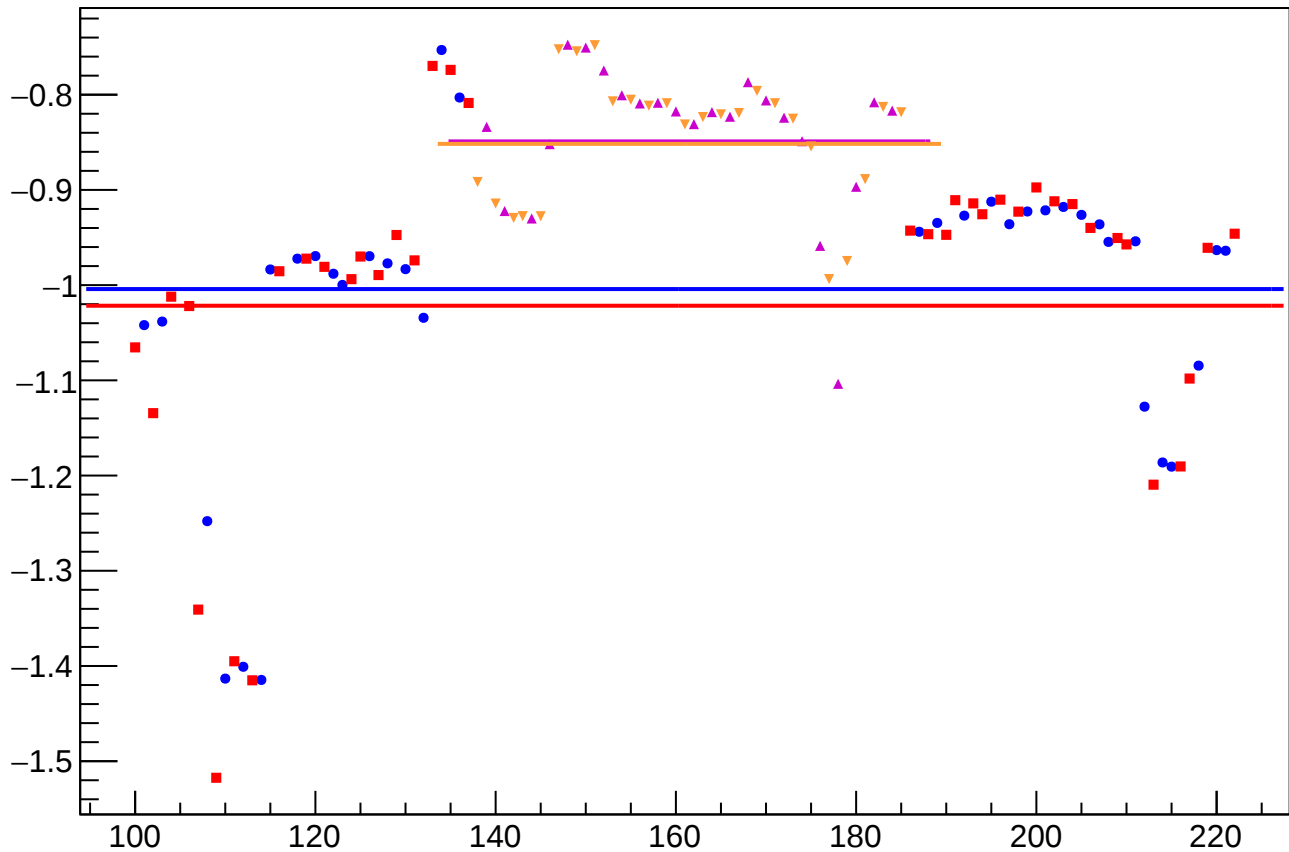
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3068210.0/59

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 6473966.0/120

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3387621.2/60

yield_bpm4acX_mean vs Slug



Right In: -1.004 $\pm$ 0.000 χ^2 /NDF: 429623240.1/34

Left Out: -0.852 $\pm$ 0.000 χ^2 /NDF: 189276591.7/24

Right Out: -1.022 $\pm$ 0.000 χ^2 /NDF: 580600695.5/37

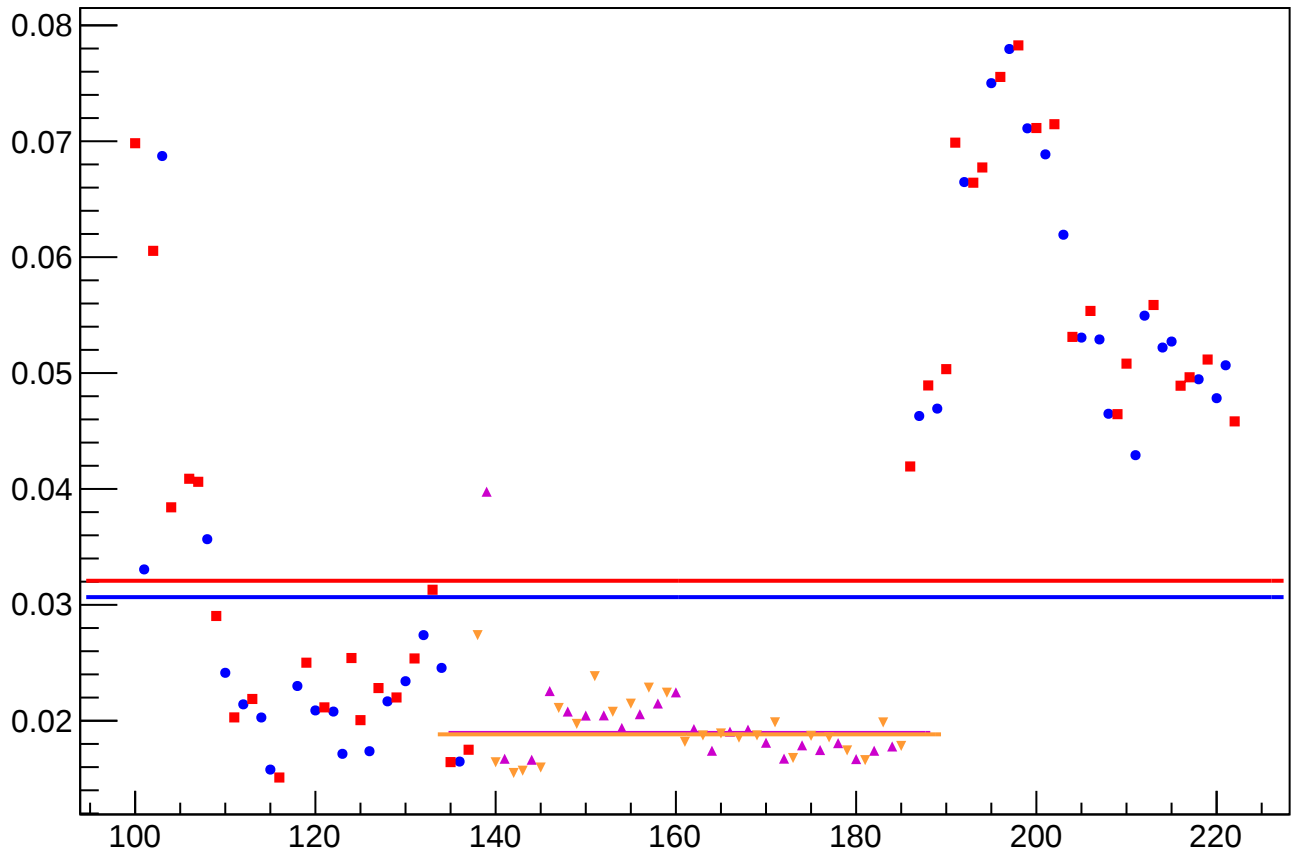
Left In: -0.849 $\pm$ 0.000 χ^2 /NDF: 256438306.8/22

+ sign -0.891 $\pm$ 0.000 χ^2 /NDF: 873282132.7/59

All: -0.893 $\pm$ 0.000 χ^2 /NDF: 2024139816.5/1

- sign -0.895 $\pm$ 0.000 χ^2 /NDF: 1150410050.8/60

yield_bpm4acX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 8051179.0/34

Left Out: 0.019+/-0.000 χ^2/NDF : 490084.5/24

Right Out: 0.032+/-0.000 χ^2/NDF : 7890124.8/37

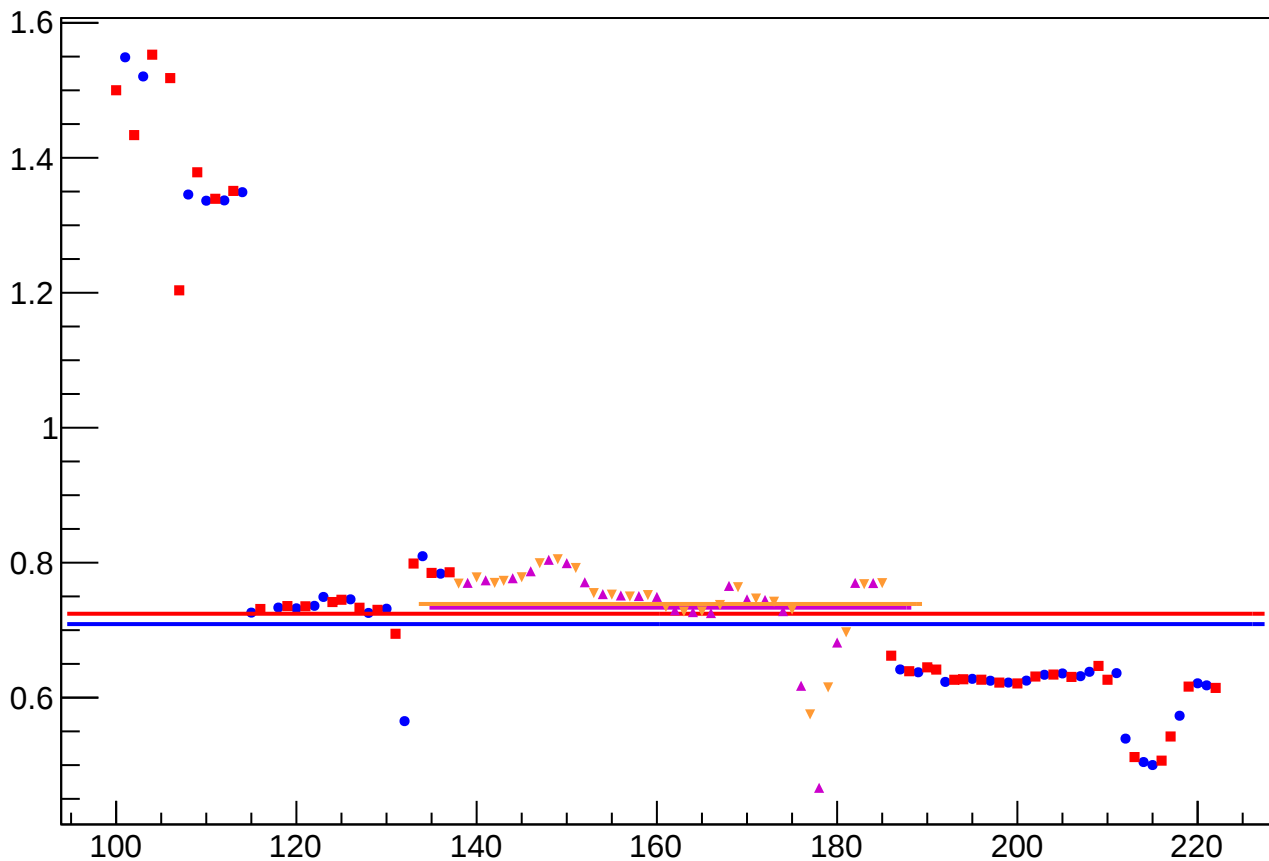
Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

+ sign 0.022+/-0.000 χ^2/NDF : 11607494.3/59

All: 0.022+/-0.000 χ^2/NDF : 23787027.3/120

- sign 0.022+/-0.000 χ^2/NDF : 12162074.7/60

yield_bpm4acY_mean vs Slug



Right In: 0.709 $\pm$ 0.000 χ^2 /NDF: 3936949304.6/34

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333086309.0/24

Right Out: 0.724 $\pm$ 0.000 χ^2 /NDF: 4260840418.3/37

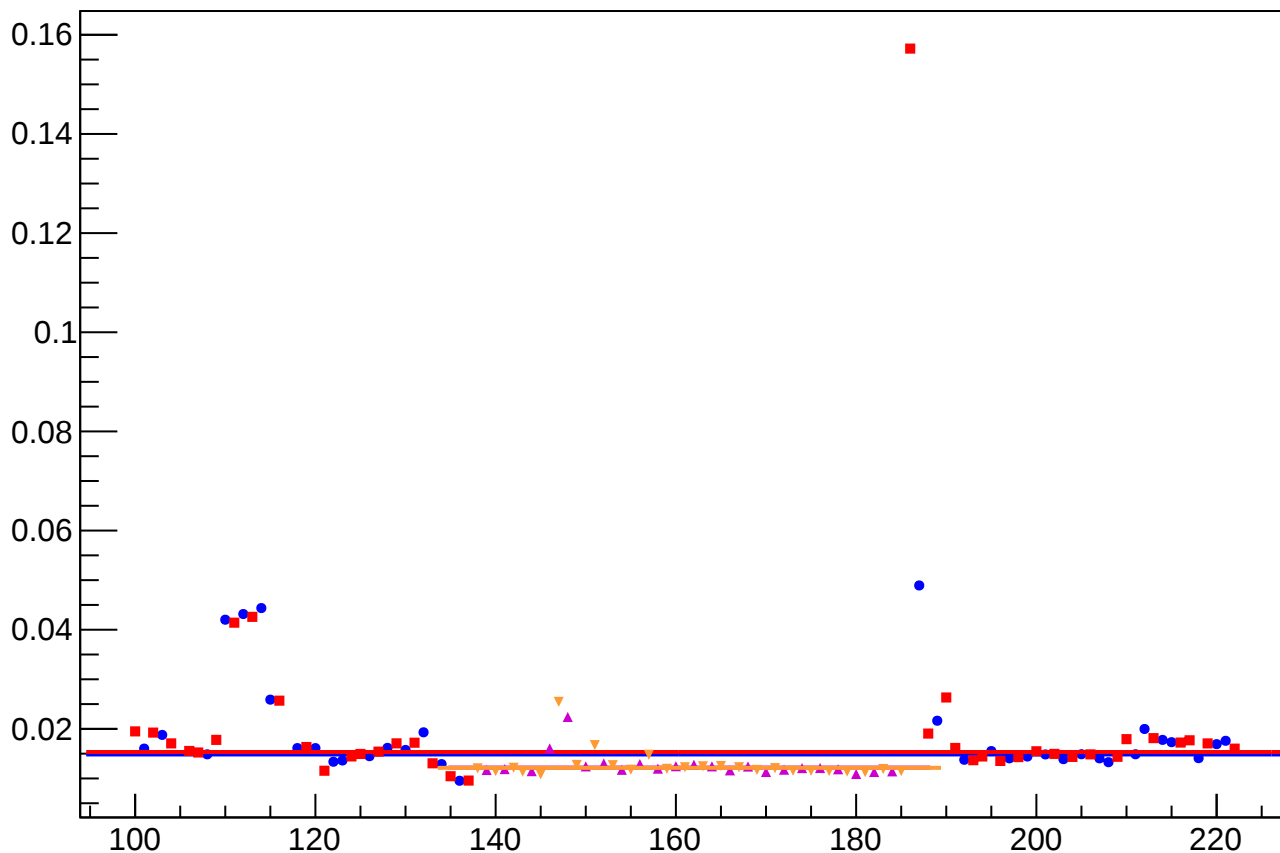
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:570264411.7/22

+ sign 0.727 $\pm$ 0.000 χ^2 /NDF: 4312648420.9/59

All: 0.728 $\pm$ 0.000 χ^2 /NDF: 9148239855.0/12

- sign 0.730 $\pm$ 0.000 χ^2 /NDF: 4834838588.1/60

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1893694.2/34

Left Out: 0.012+/-0.000 χ^2/NDF : 638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2230695.0/37

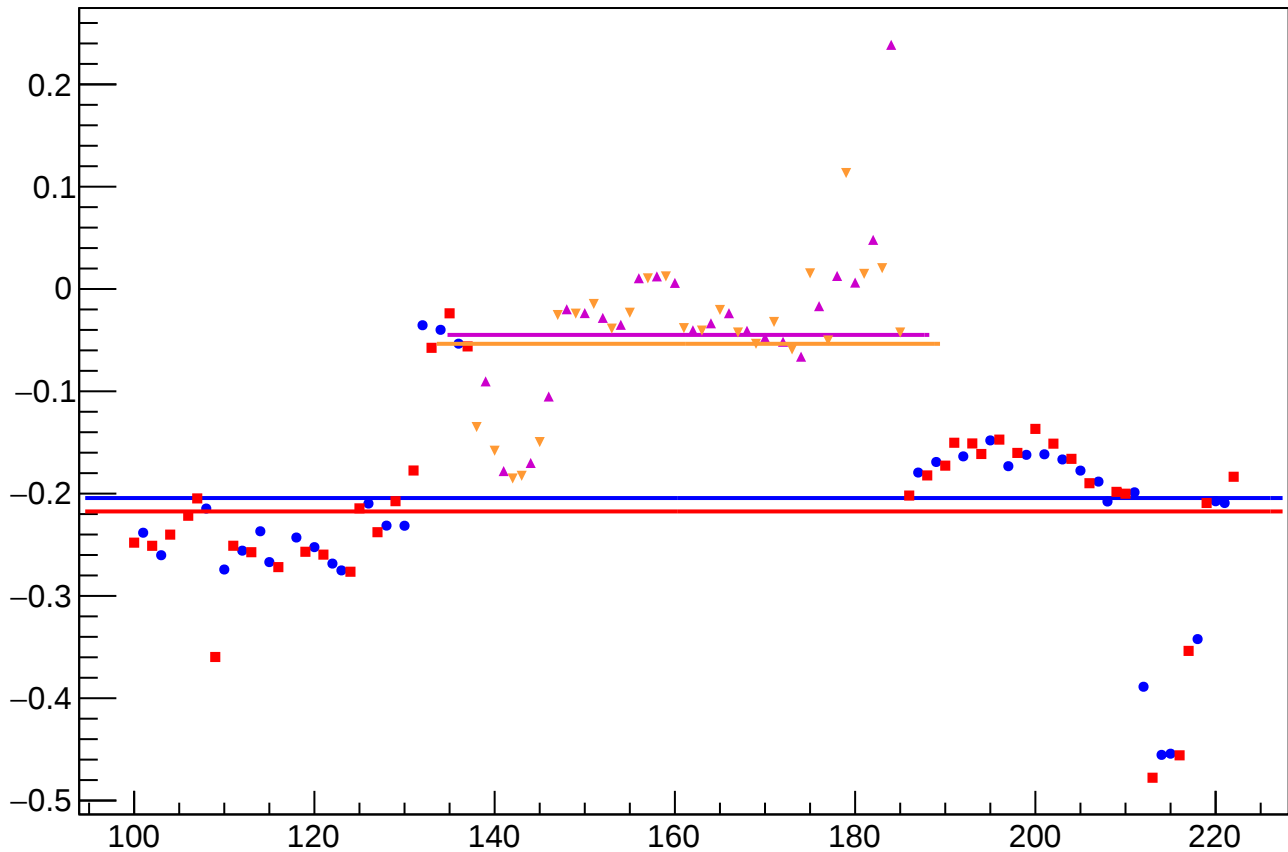
Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 3228202.1/59

All: 0.013+/-0.000 χ^2/NDF : 6864209.9/120

- sign 0.013+/-0.000 χ^2/NDF : 3623681.4/60

yield_bpm4ecX_mean vs Slug



Right In: -0.204 ± 0.000 χ^2/NDF : 160316031.6/34

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.217 ± 0.000 χ^2/NDF : 156003954.7/37

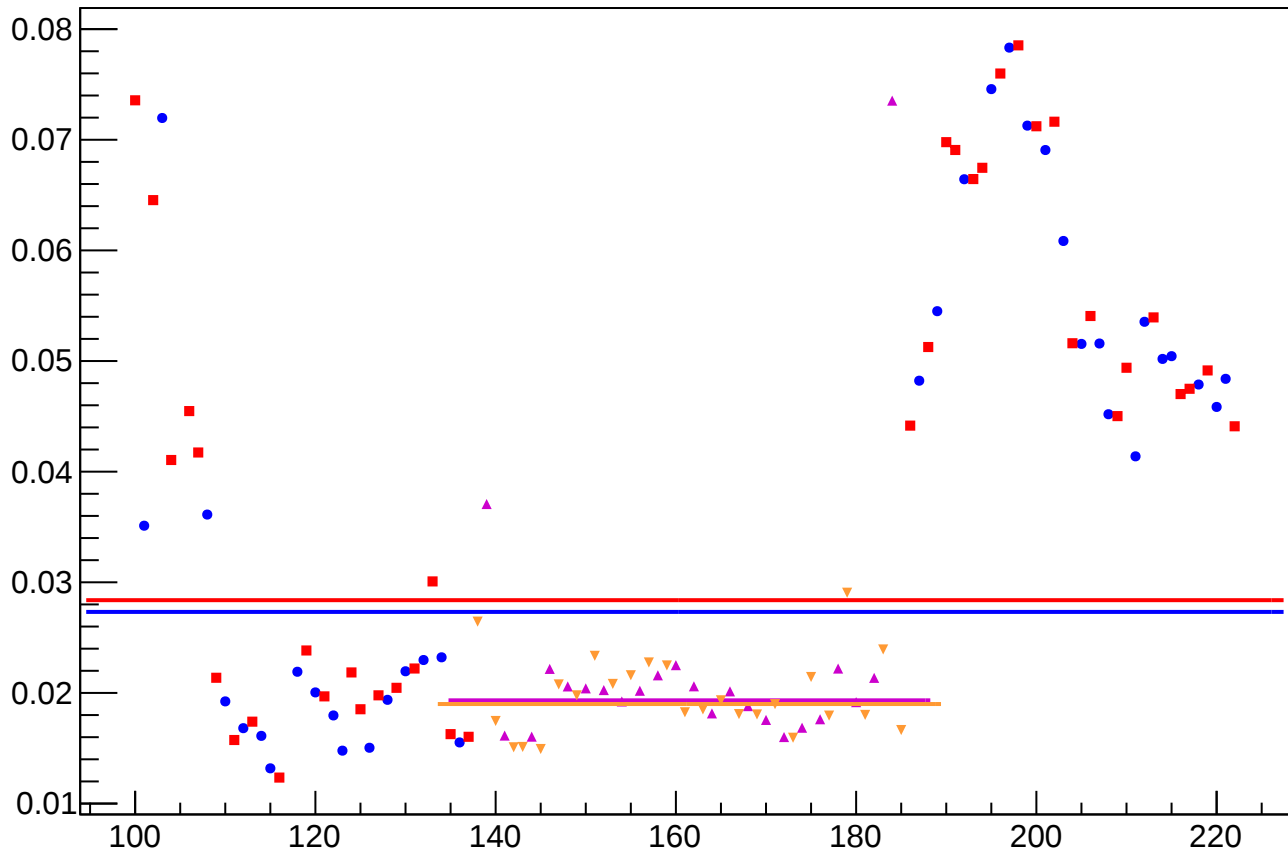
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.099 ± 0.000 χ^2/NDF : 608077132.1/59

All: -0.099 ± 0.000 χ^2/NDF : 1242640388.5/1

- sign -0.099 ± 0.000 χ^2/NDF : 634563031.1/60

yield_bpm4ecX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 9492834.4/34

Left Out: 0.019+/-0.000 χ^2/NDF : 699267.5/24

Right Out: 0.028+/-0.000 χ^2/NDF : 9732546.9/37

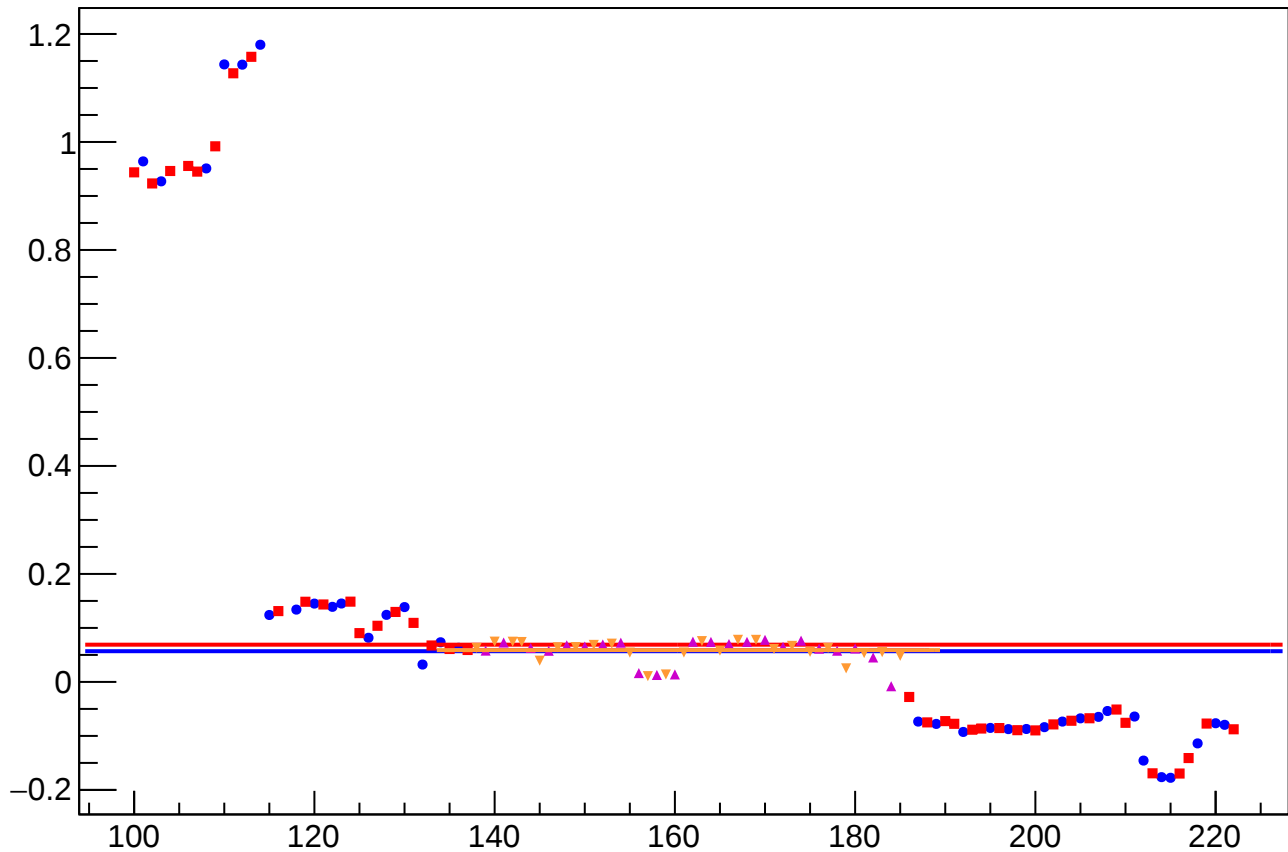
Left In: 0.019+/-0.000 χ^2/NDF : 892810.7/22

+ sign 0.022+/-0.000 χ^2/NDF : 11899802.5/59

All: 0.022+/-0.000 χ^2/NDF : 24484106.0/120

- sign 0.022+/-0.000 χ^2/NDF : 12559116.1/60

yield_bpm4ecY_mean vs Slug



Right In: 0.057 $\pm$ 0.000 χ^2 /NDF: 8879649158.3/34

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.069 $\pm$ 0.000 χ^2 /NDF: 9811432567.8/37

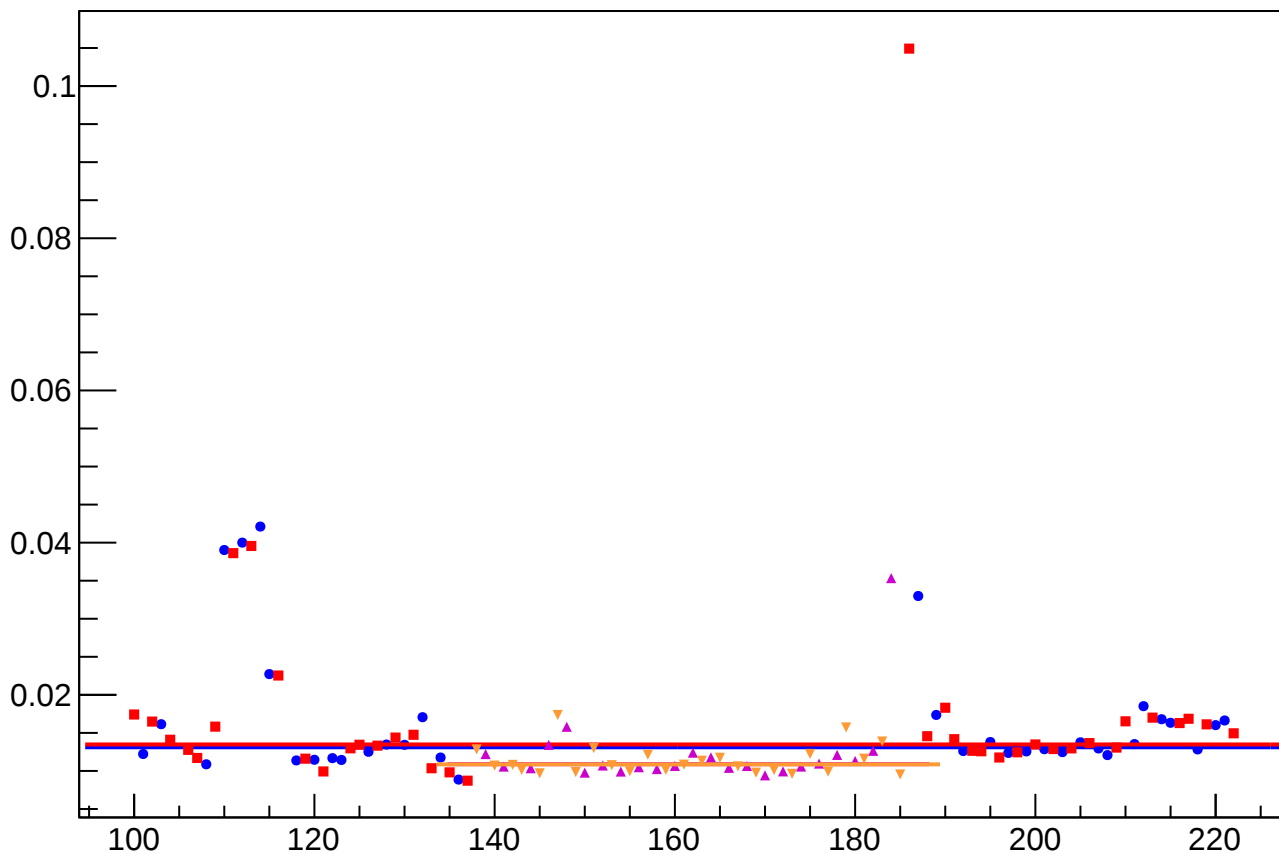
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.058 $\pm$ 0.000 χ^2 /NDF: 8926790529.8/59

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 18805748308.0/1

- sign 0.063 $\pm$ 0.000 χ^2 /NDF: 9875621763.1/60

yield_bpm4ecY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 1876991.7/34

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 2212201.0/37

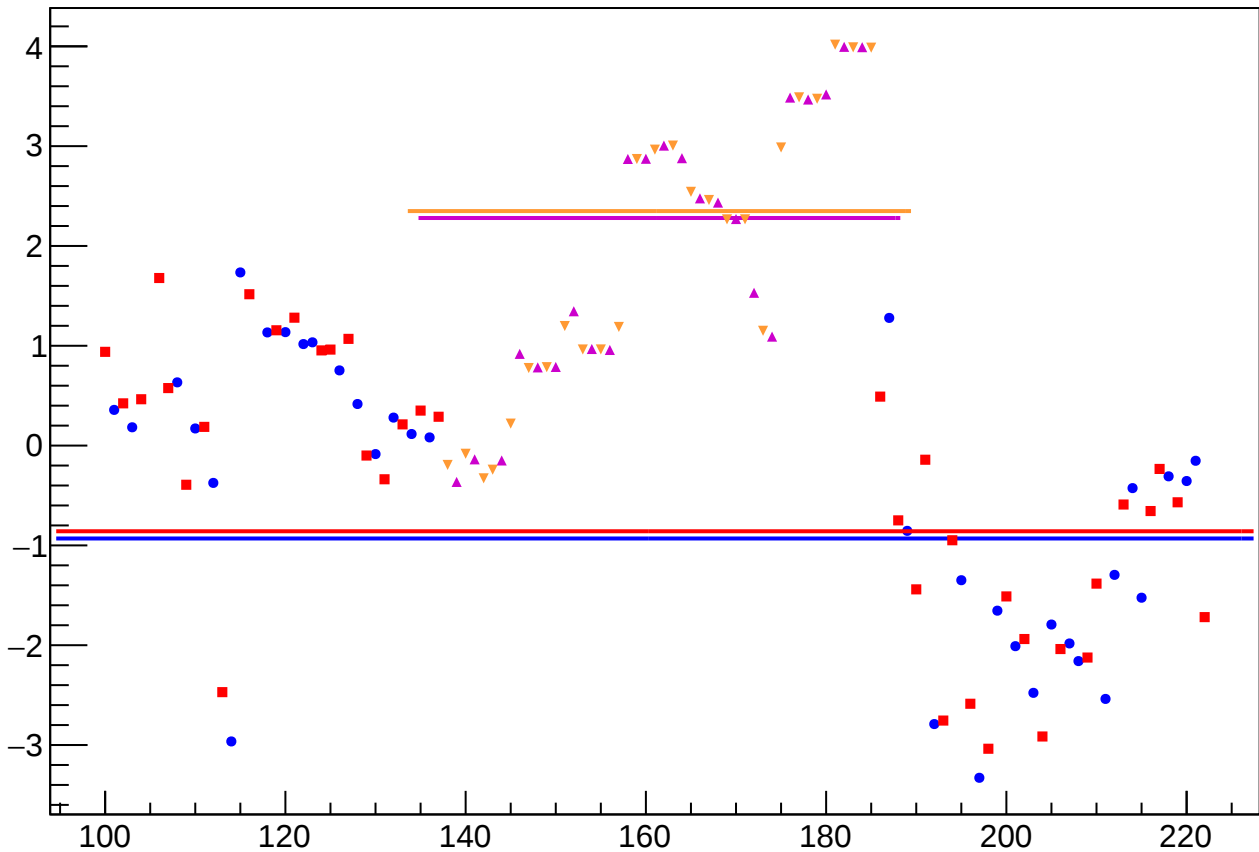
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 529867.3/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 3085864.6/59

All: 0.012 $\pm$ 0.000 χ^2/NDF : 6610797.5/120

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 3516306.0/60

yield_bpm1X_mean vs Slug



Right In: -0.931 ± 0.000 χ^2/NDF : 8222567031.5/34

Left Out: 2.349 ± 0.000 χ^2/NDF : 63600066268.3/24

Right Out: -0.858 ± 0.000 χ^2/NDF : 8575248733.5/37

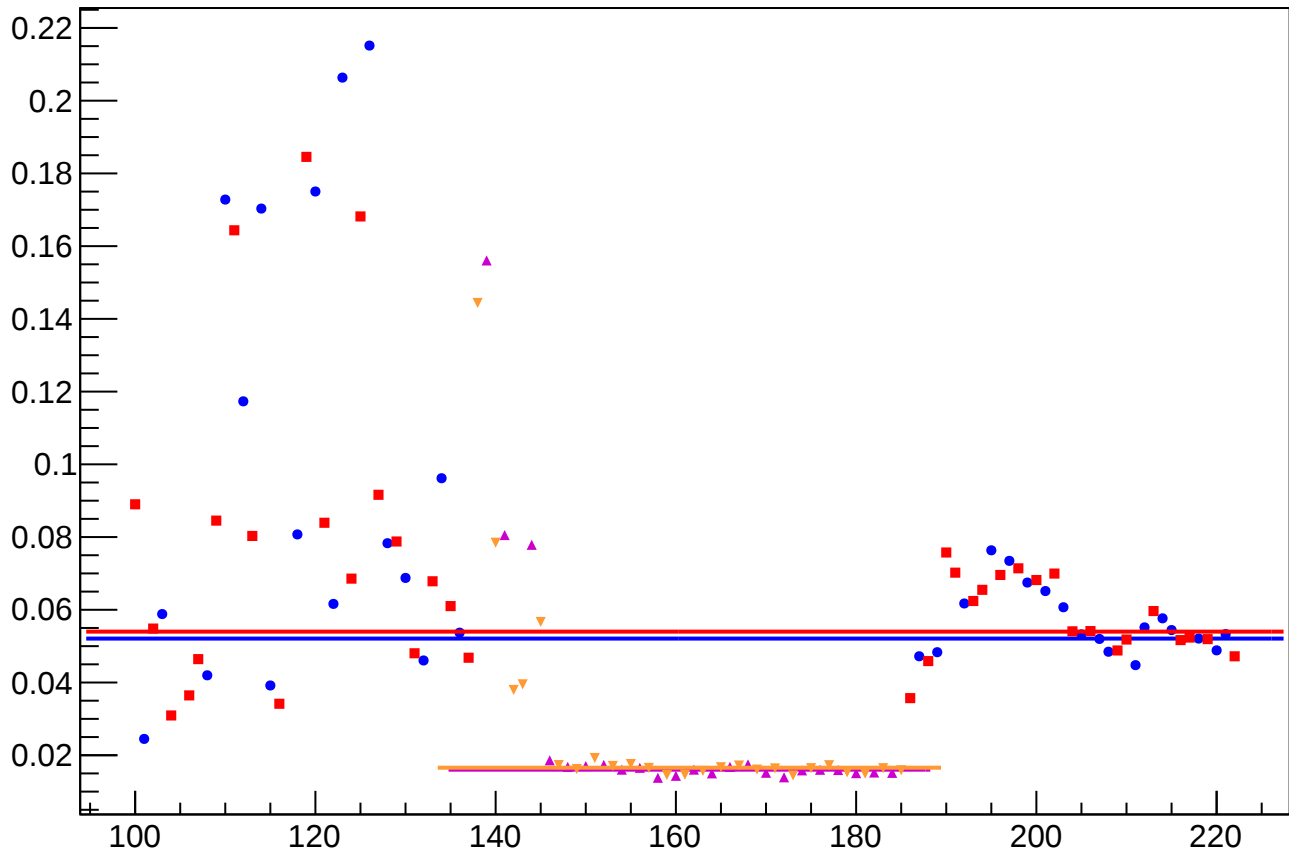
Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

+ sign 2.024 ± 0.000 χ^2/NDF : 126412030718.3/59

All: 2.000 ± 0.000 χ^2/NDF : 246286685839.9

- sign 1.976 ± 0.000 χ^2/NDF : 119809511129.2/60

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3533469.7/34

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 2919719.2/37

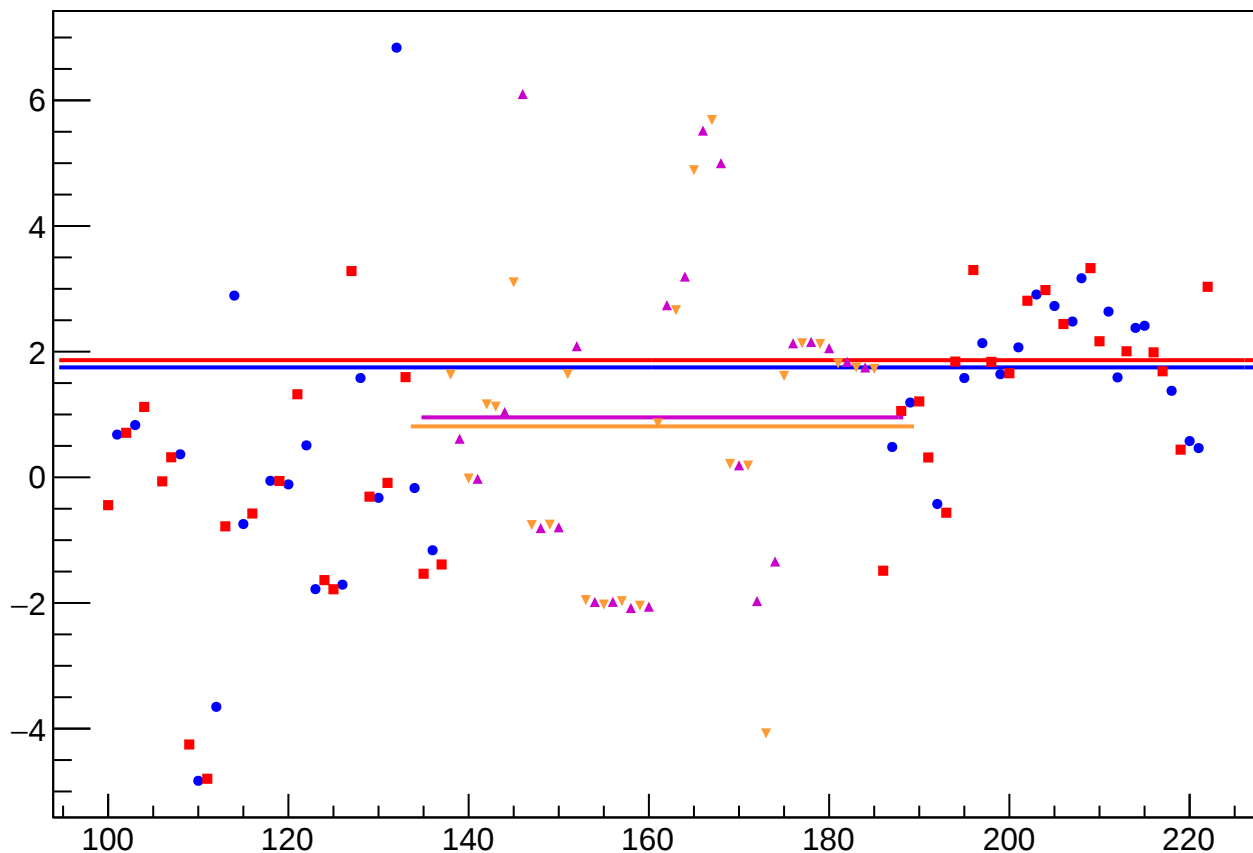
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 18948184.6/59

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 38911191.7/120

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 19954134.4/60

yield_bpm1Y_mean vs Slug



Right In: 1.750 $\pm$ 0.000 χ^2 /NDF: 46030128285.0/34

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 1.864 $\pm$ 0.000 χ^2 /NDF: 47677842099.8/37

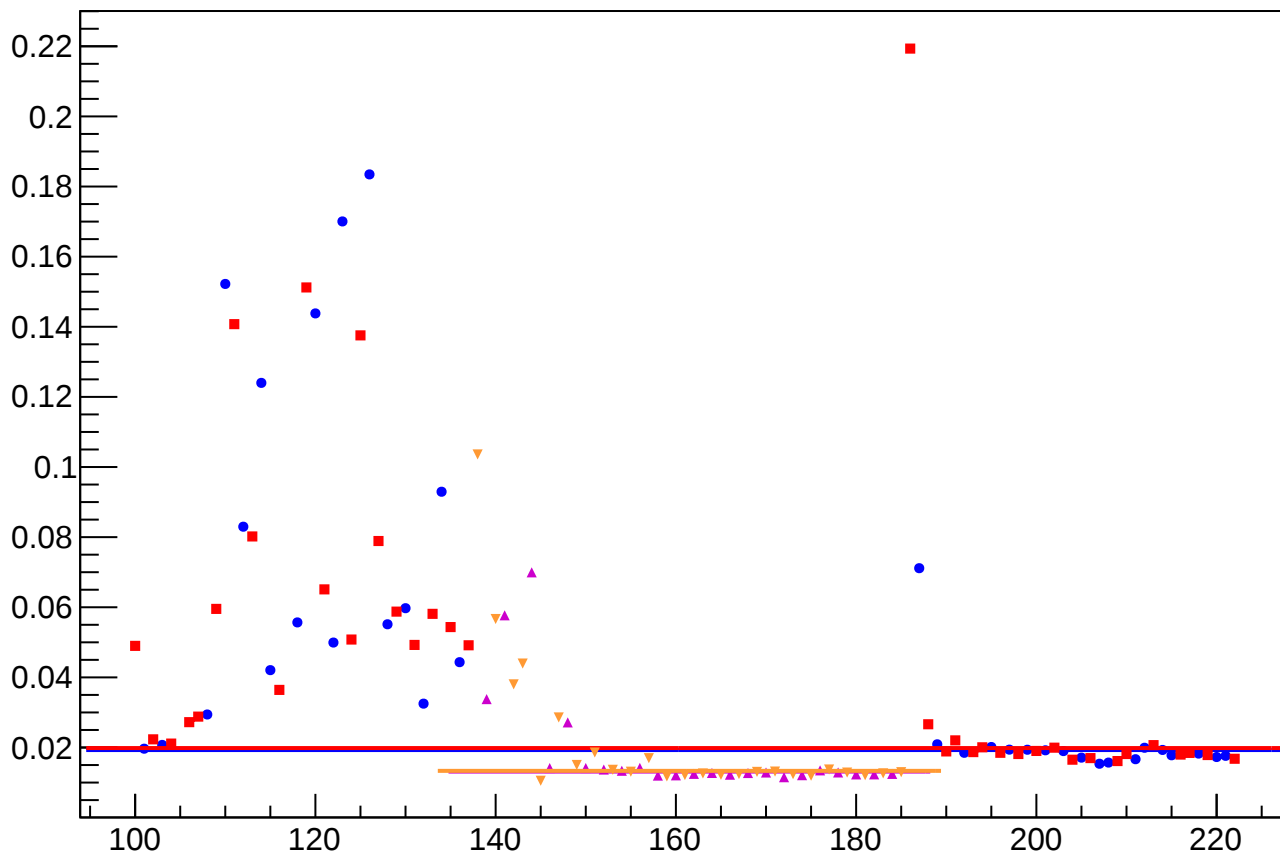
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 1.097 $\pm$ 0.000 χ^2 /NDF: 576490896058.3/59

All: 1.161 $\pm$ 0.000 χ^2 /NDF: 1221178470055.

- sign 1.226 $\pm$ 0.000 χ^2 /NDF: 643661709463.2/60

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 4161928.8/34

Left Out: 0.013+/-0.000 χ^2/NDF :2829070.5/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5279320.5/37

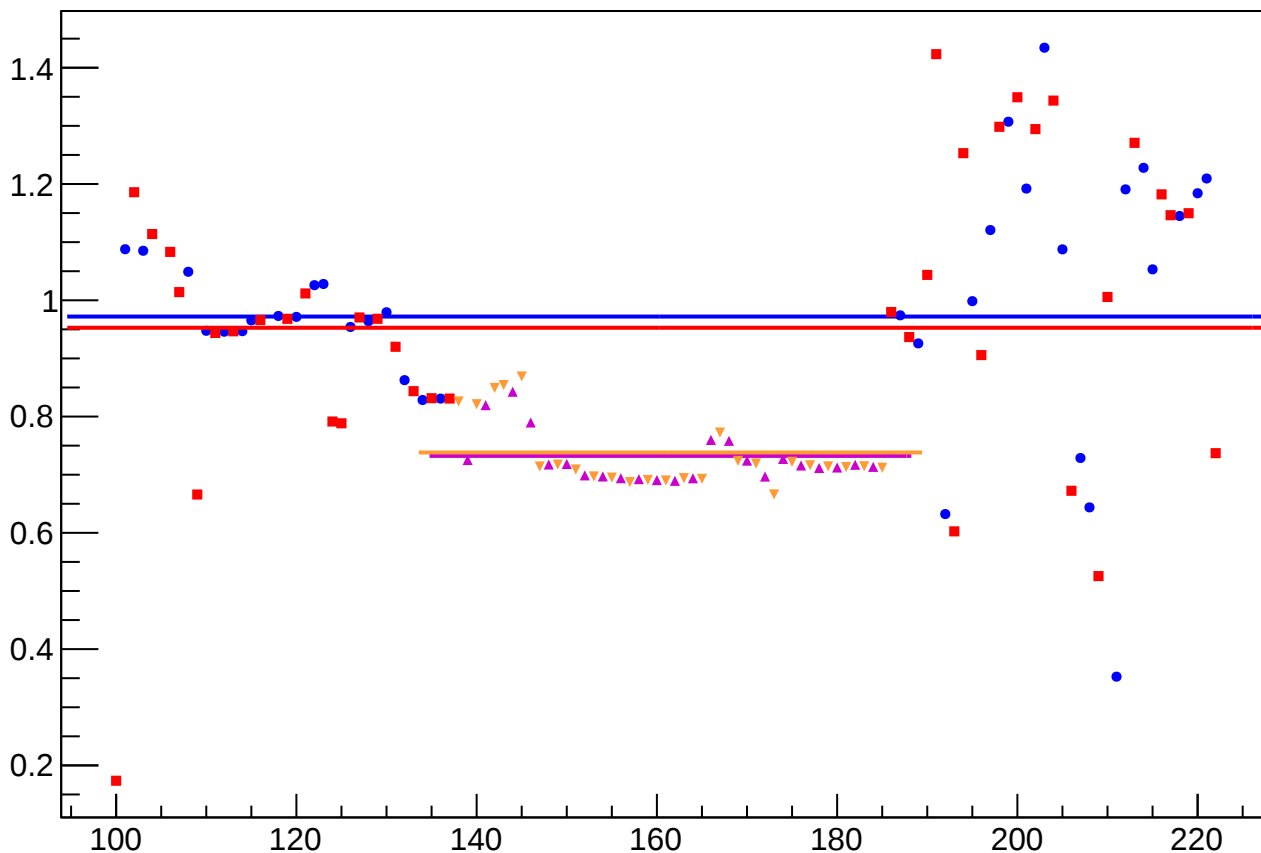
Left In: 0.013+/-0.000 χ^2/NDF :1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8817918.0/59

All: 0.015+/-0.000 χ^2/NDF : 18367645.5/120

- sign 0.015+/-0.000 χ^2/NDF : 9549713.1/60

yield_bpm11X_mean vs Slug



Right In: 0.972 $\pm$ 0.000 χ^2 /NDF: 1120628521.4/34

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

Right Out: 0.953 $\pm$ 0.000 χ^2 /NDF: 1401433882.8/37

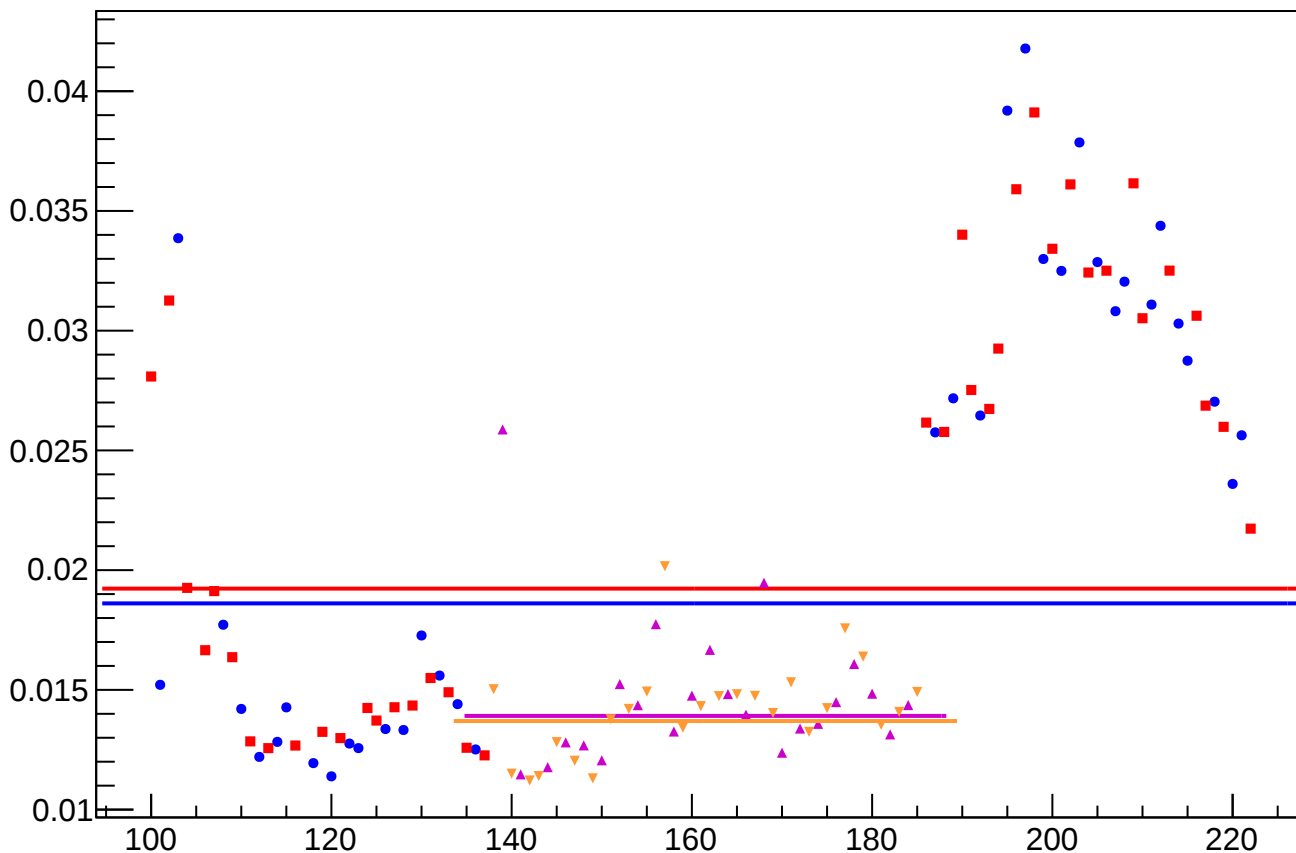
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

+ sign 0.816 $\pm$ 0.000 χ^2 /NDF: 3002962623.4/59

All: 0.813 $\pm$ 0.000 χ^2 /NDF: 5948043458.3/12

- sign 0.810 $\pm$ 0.000 χ^2 /NDF: 2942572846.5/60

yield_bpm11X_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 5864633.3/34

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 5265097.0/37

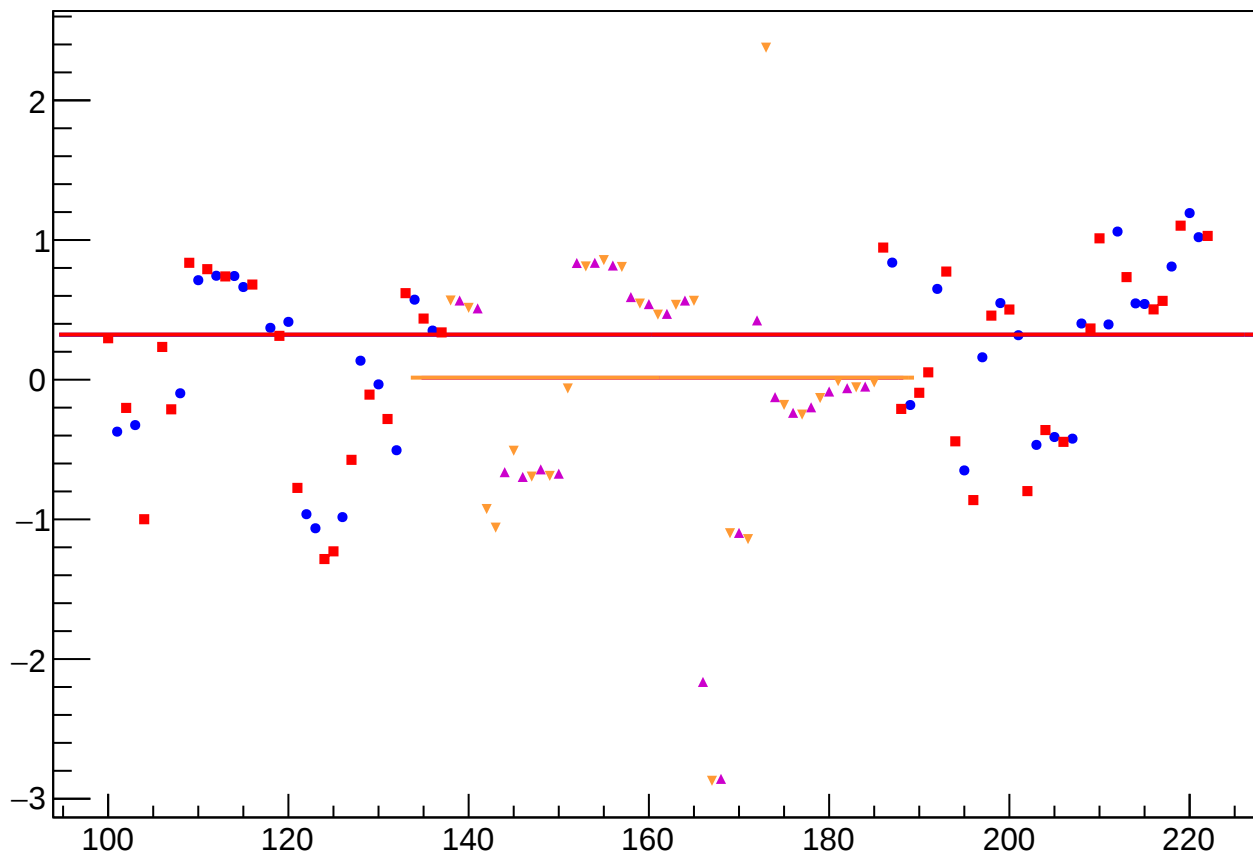
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 7783963.2/59

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 15463006.9/120

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 7653811.9/60

yield_bpm11Y_mean vs Slug



Right In: 0.322+/-0.000 χ^2/NDF : 46946121197.4/34

Left Out: 0.015+/-0.000 χ^2/NDF : 96087835995.8/24

Right Out: 0.323+/-0.000 χ^2/NDF : 55294084856.6/37

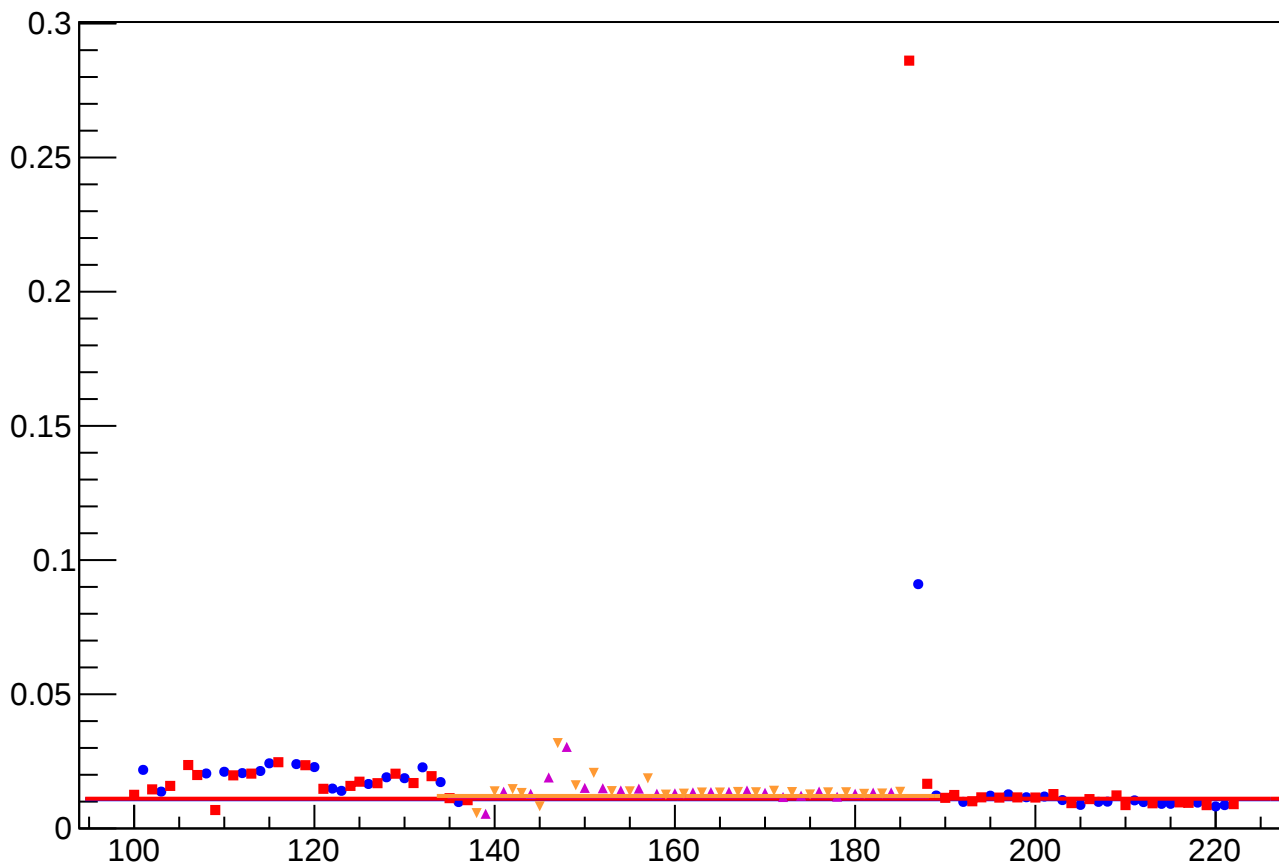
Left In: 0.013+/-0.000 χ^2/NDF : 79445696658.6/22

+ sign 0.185+/-0.000 χ^2/NDF : 148760627528.0/59

All: 0.186+/-0.000 χ^2/NDF : 289242476343.4

- sign 0.187+/-0.000 χ^2/NDF : 140481469377.5/60

yield_bpm11Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2869641.7/34

Left Out: 0.012+/-0.000 χ^2/NDF :3107648.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 3310389.8/37

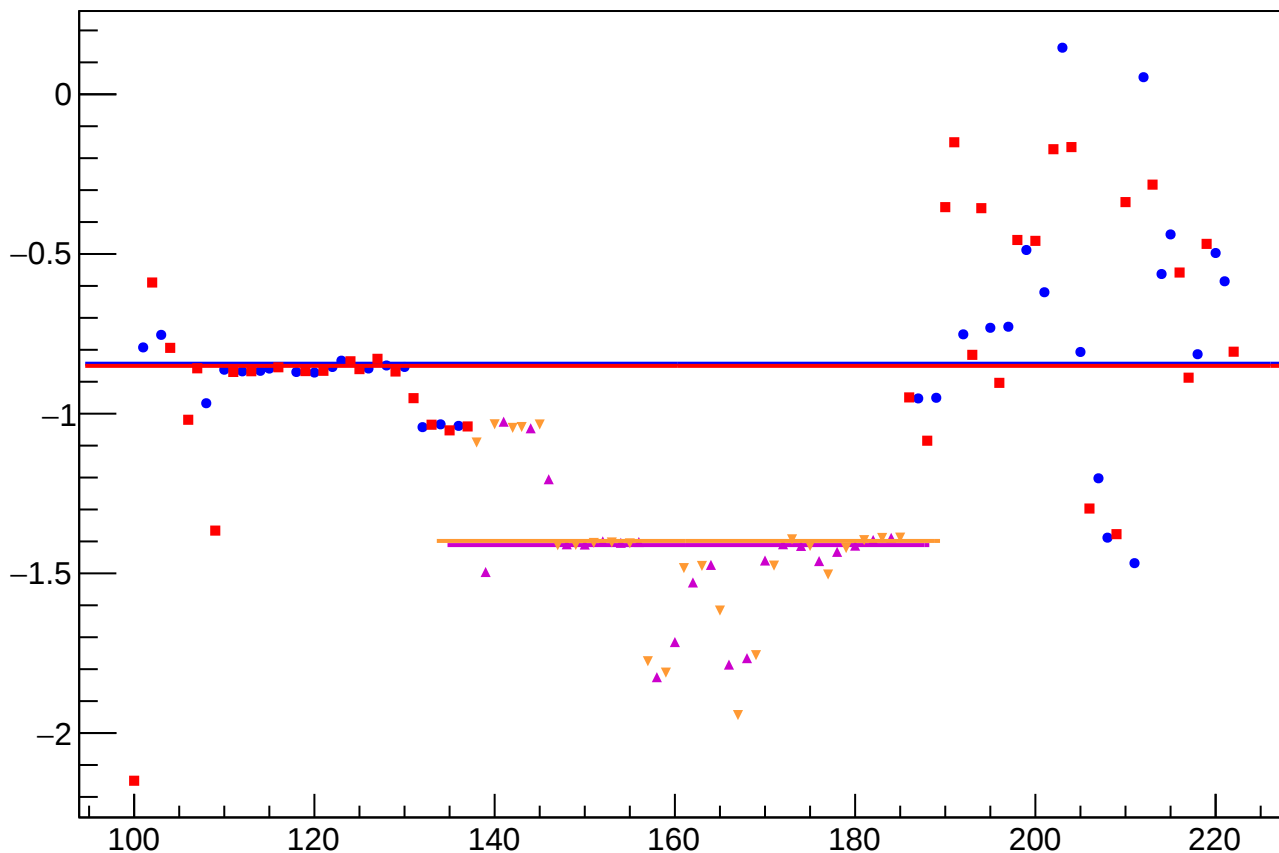
Left In: 0.012+/-0.000 χ^2/NDF :3105948.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 6161931.3/59

All: 0.011+/-0.000 χ^2/NDF : 12662562.4/120

- sign 0.011+/-0.000 χ^2/NDF : 6500469.6/60

yield_bpm12X_mean vs Slug



Right In: -0.844 ± 0.000 $\chi^2/\text{NDF}: 403900937.4/34$

Left Out: -1.398 ± 0.000 $\chi^2/\text{NDF}: 734579404.3/24$

Right Out: -0.850 ± 0.000 $\chi^2/\text{NDF}: 518479483.2/37$

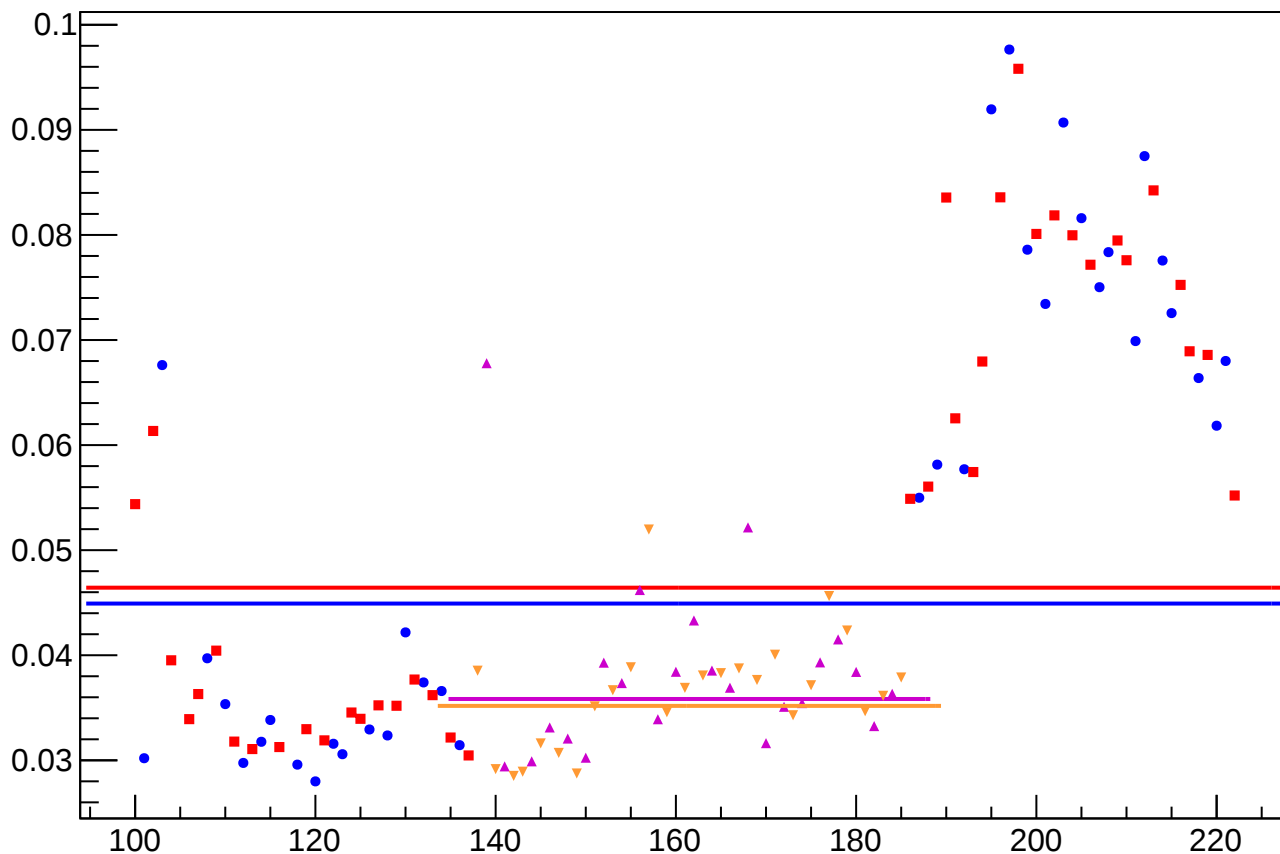
Left In: -1.412 ± 0.000 $\chi^2/\text{NDF}: 512629872.4/22$

+ sign -1.195 ± 0.000 $\chi^2/\text{NDF}: 2603558904.5/59$

All: -1.195 ± 0.000 $\chi^2/\text{NDF}: 5093343953.2/1$

- sign -1.195 ± 0.000 $\chi^2/\text{NDF}: 2489780981.9/60$

yield_bpm12X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 5772155.8/34

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.046 $\pm$ 0.000 χ^2 /NDF: 4959059.2/37

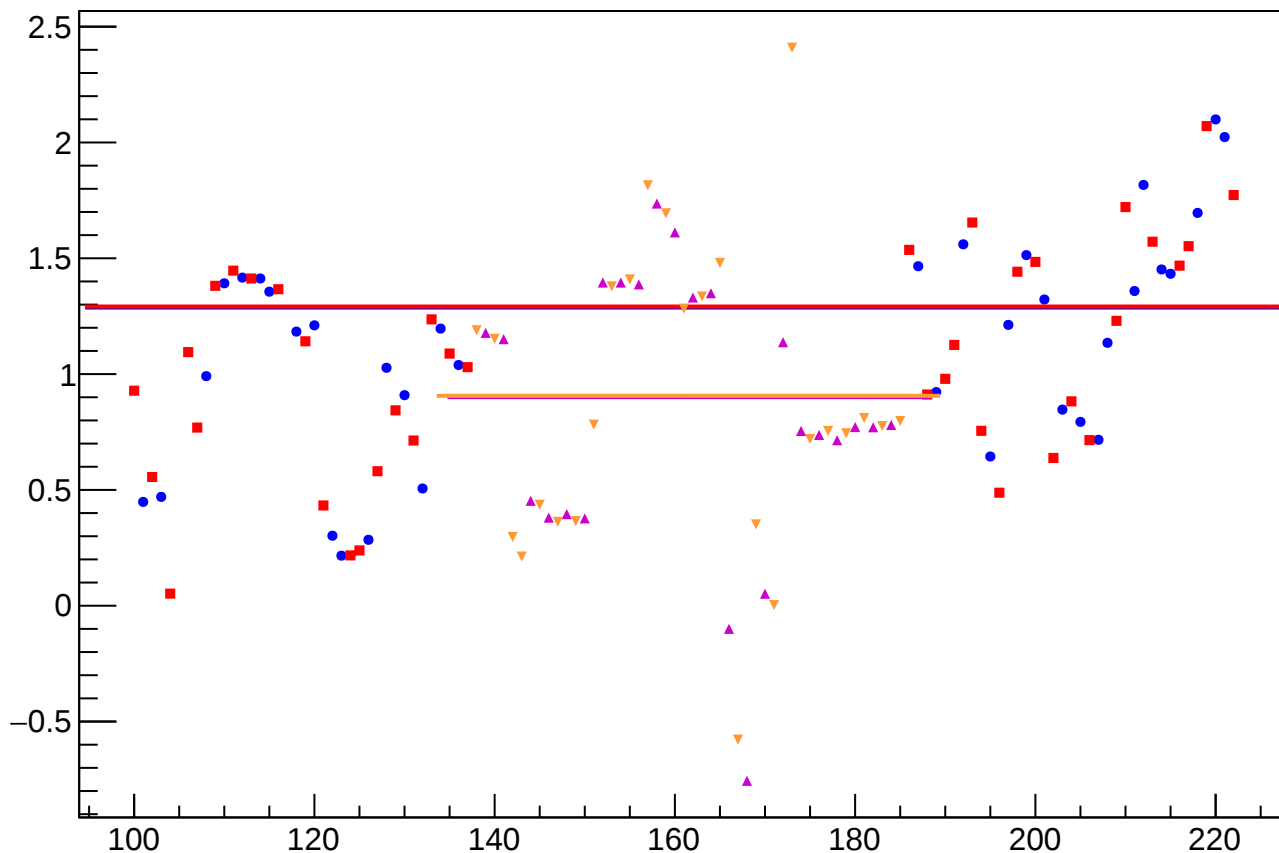
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.039 $\pm$ 0.000 χ^2 /NDF: 7272419.1/59

All: 0.039 $\pm$ 0.000 χ^2 /NDF: 14189918.1/120

- sign 0.040 $\pm$ 0.000 χ^2 /NDF: 6889432.7/60

yield_bpm12Y_mean vs Slug



Right In: 1.287 $\pm$ 0.000 χ^2 /NDF: 82952958702.7/34

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 77605895526.1/37

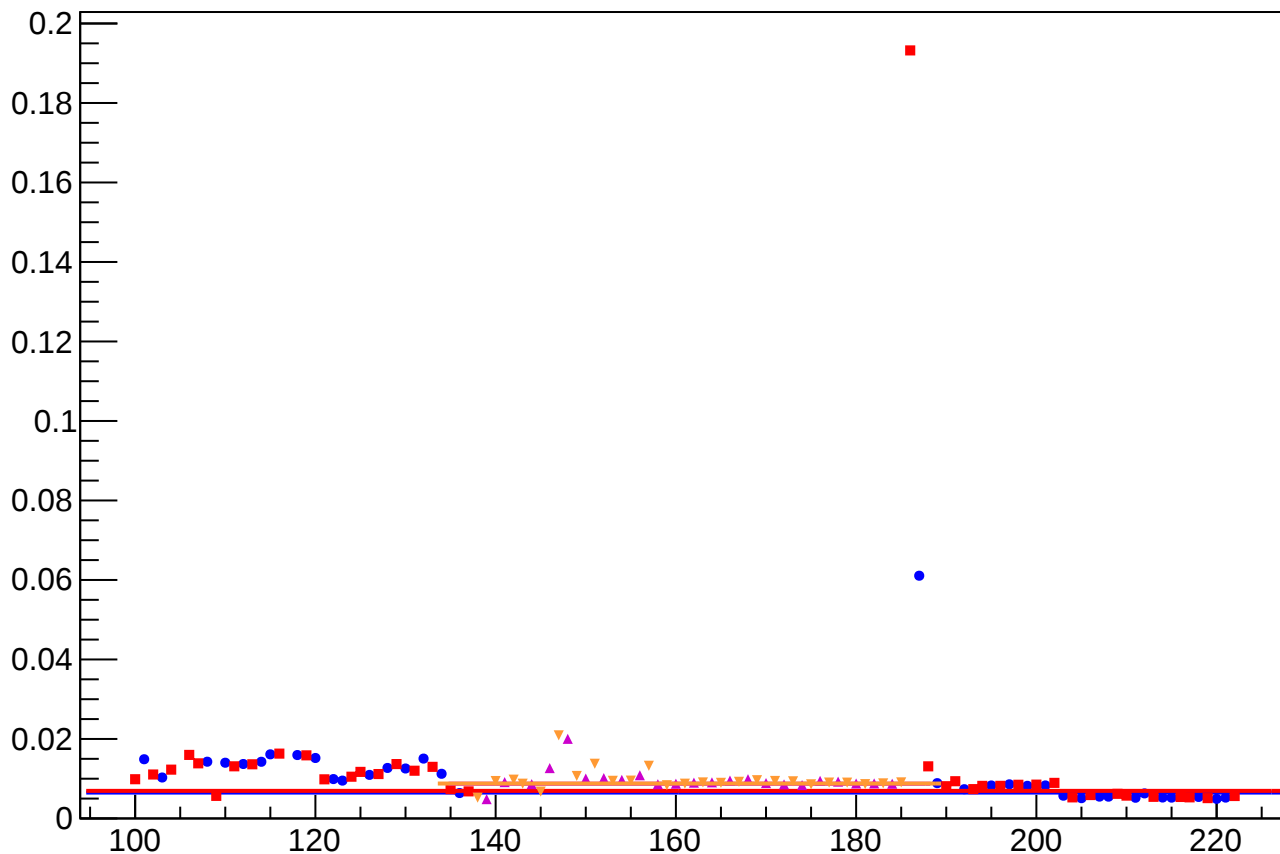
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 1.148 $\pm$ 0.000 χ^2 /NDF: 187205712047.6/59

All: 1.146 $\pm$ 0.000 χ^2 /NDF: 351596859194.7

- sign 1.145 $\pm$ 0.000 χ^2 /NDF: 164388251544.4/60

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 4032641.4/34

Left Out: 0.009+/-0.000 χ^2/NDF : 1698526.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4413818.1/37

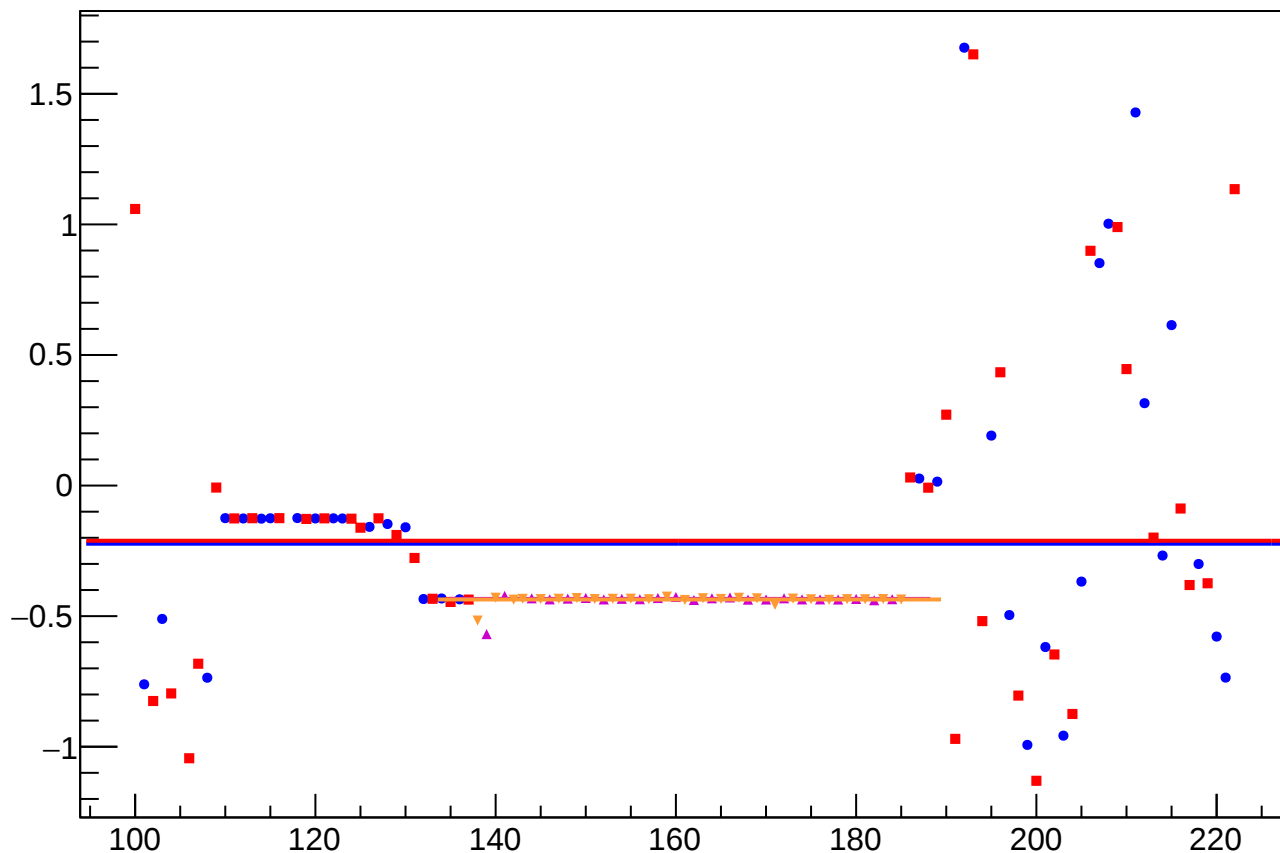
Left In: 0.009+/-0.000 χ^2/NDF : 1669983.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 7163994.2/59

All: 0.007+/-0.000 χ^2/NDF : 14124925.9/120

- sign 0.008+/-0.000 χ^2/NDF : 6918266.8/60

yield_bpm16X_mean vs Slug



Right In: -0.223 ± 0.000 χ^2/NDF : 5107791095.9/34

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.211 ± 0.000 χ^2/NDF : 4362202932.9/37

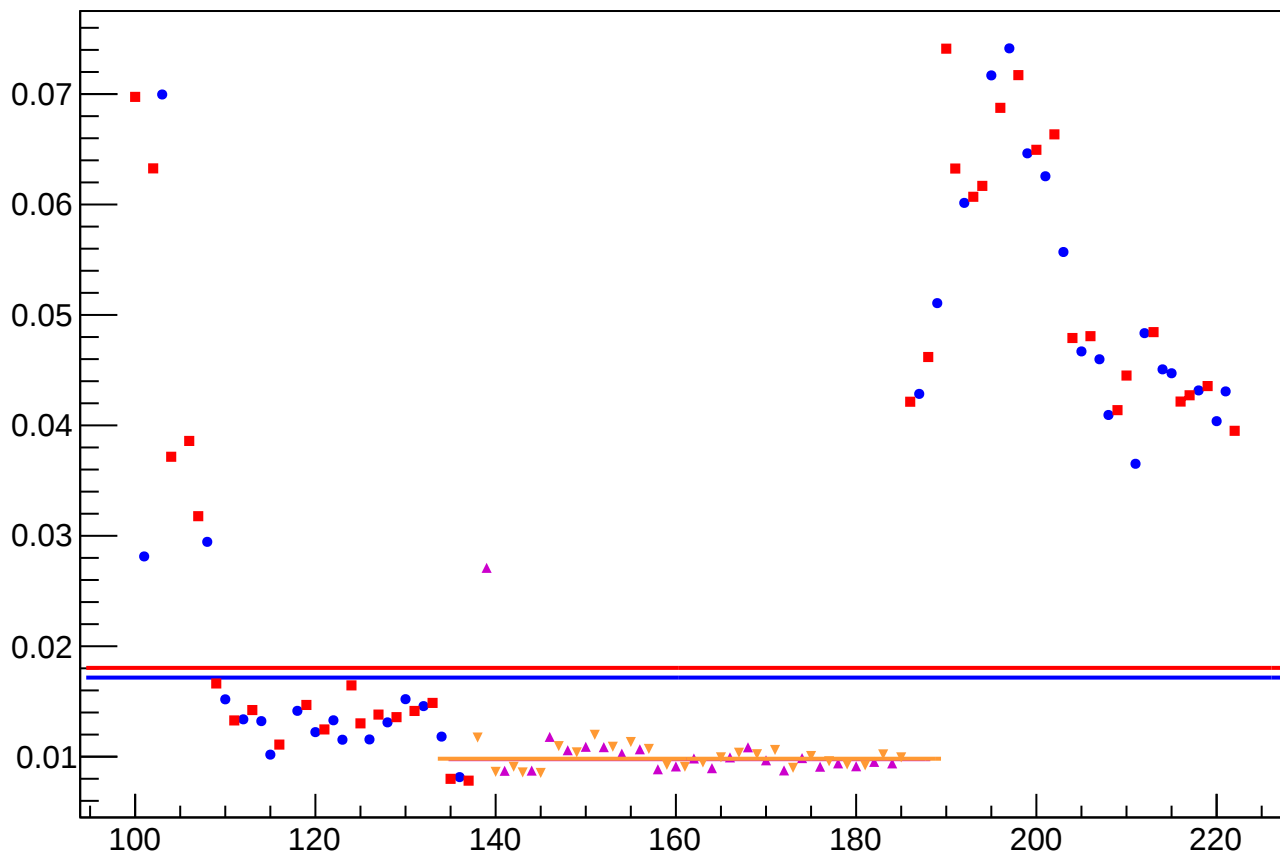
Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

+ sign -0.397 ± 0.000 χ^2/NDF : 6501498413.7/59

All: -0.395 ± 0.000 χ^2/NDF : 12295676457.0/60

- sign -0.393 ± 0.000 χ^2/NDF : 5792490177.4/60

yield_bpm16X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 13950831.8/34

Left Out: 0.010+/-0.000 χ^2/NDF : 271172.3/24

Right Out: 0.018+/-0.000 χ^2/NDF : 14309194.6/37

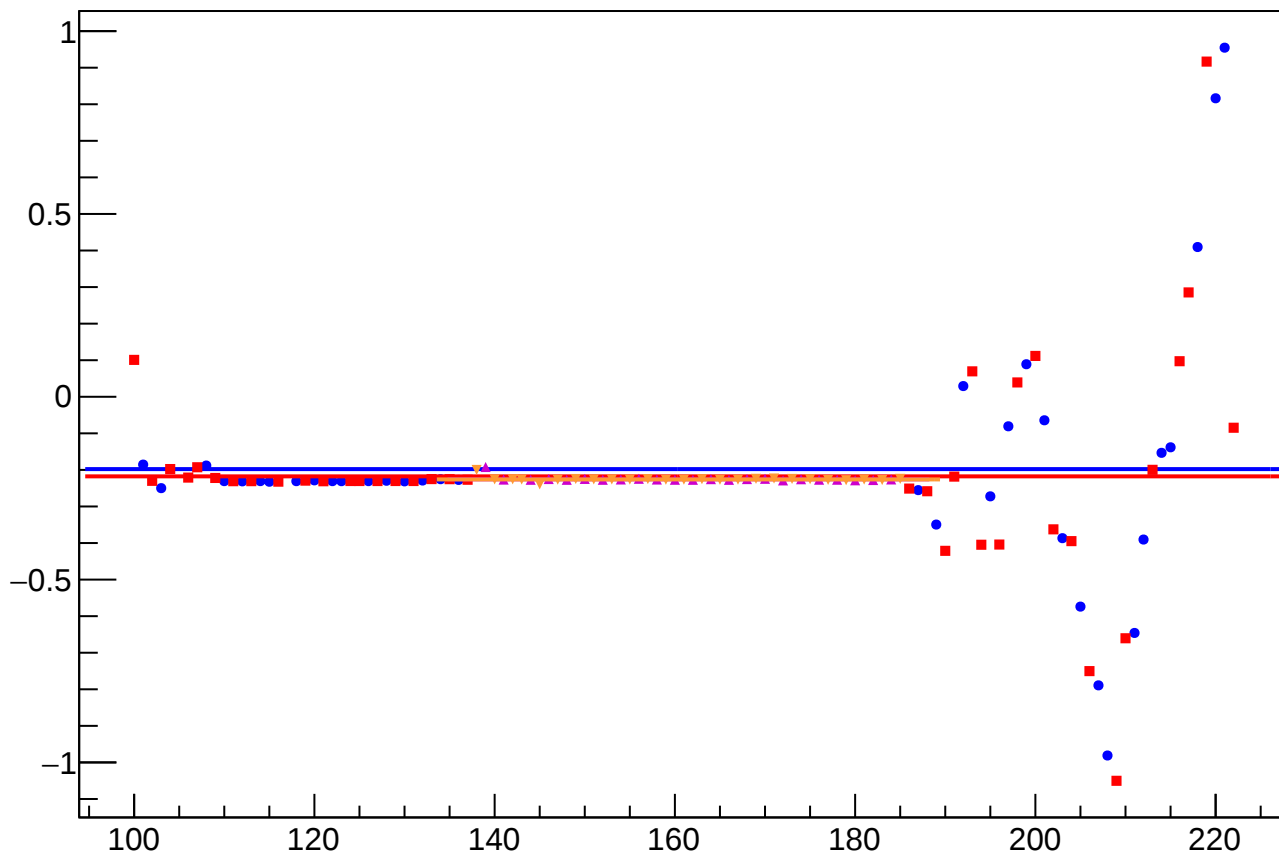
Left In: 0.010+/-0.000 χ^2/NDF : 786577.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 17451381.9/59

All: 0.011+/-0.000 χ^2/NDF : 36437602.8/120

- sign 0.011+/-0.000 χ^2/NDF : 18982525.8/60

yield_bpm16Y_mean vs Slug



Right In: -0.198 ± 0.000 $\chi^2/\text{NDF}: 56821613719.4/34$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21207366.3/24$

Right Out: -0.218 ± 0.000 $\chi^2/\text{NDF}: 47107786935.6/37$

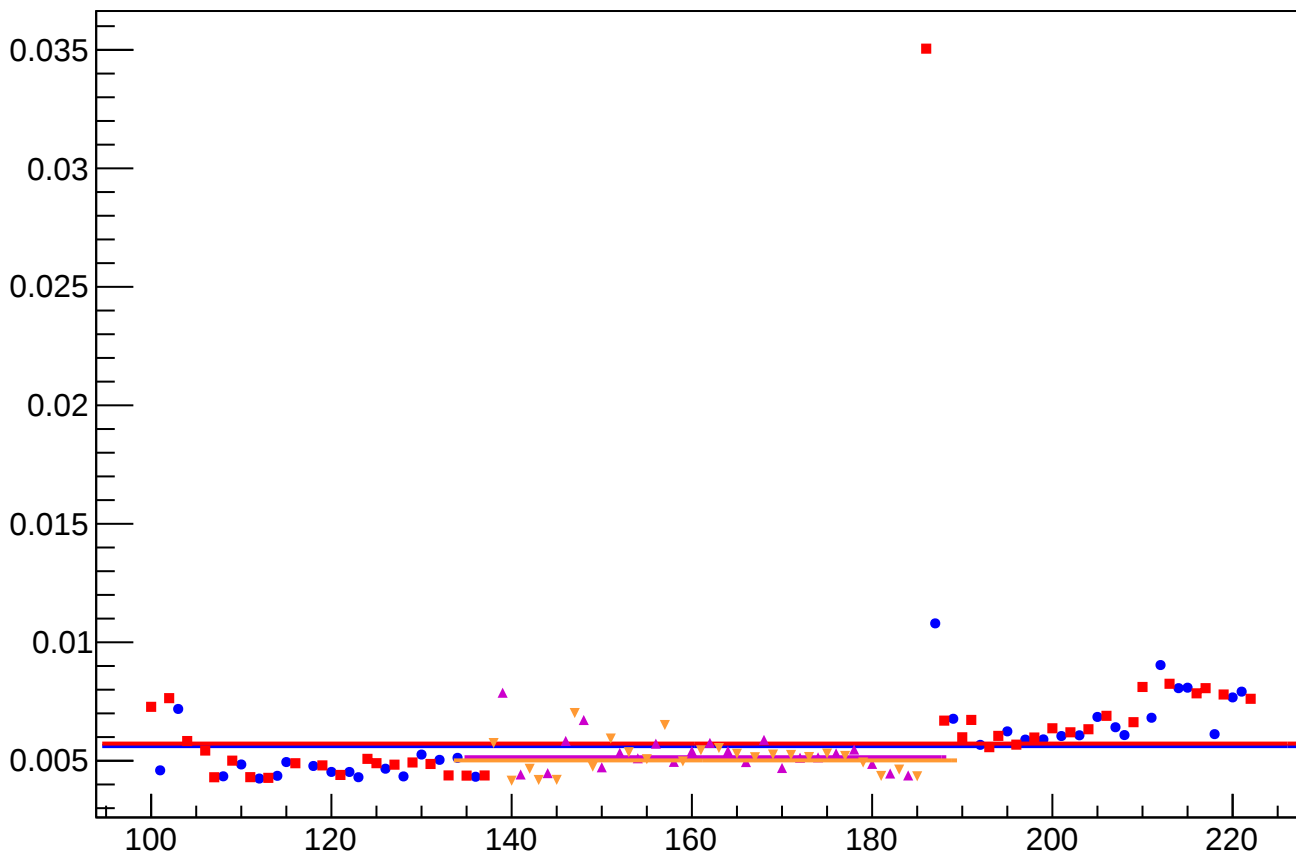
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 13717302.5/22$

+ sign -0.213 ± 0.000 $\chi^2/\text{NDF}: 57085851970.6/59$

All: -0.218 ± 0.000 $\chi^2/\text{NDF}: 104269370706.6/110$

- sign -0.222 ± 0.000 $\chi^2/\text{NDF}: 47140598501.2/60$

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1559196.5/34

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 2080115.9/37

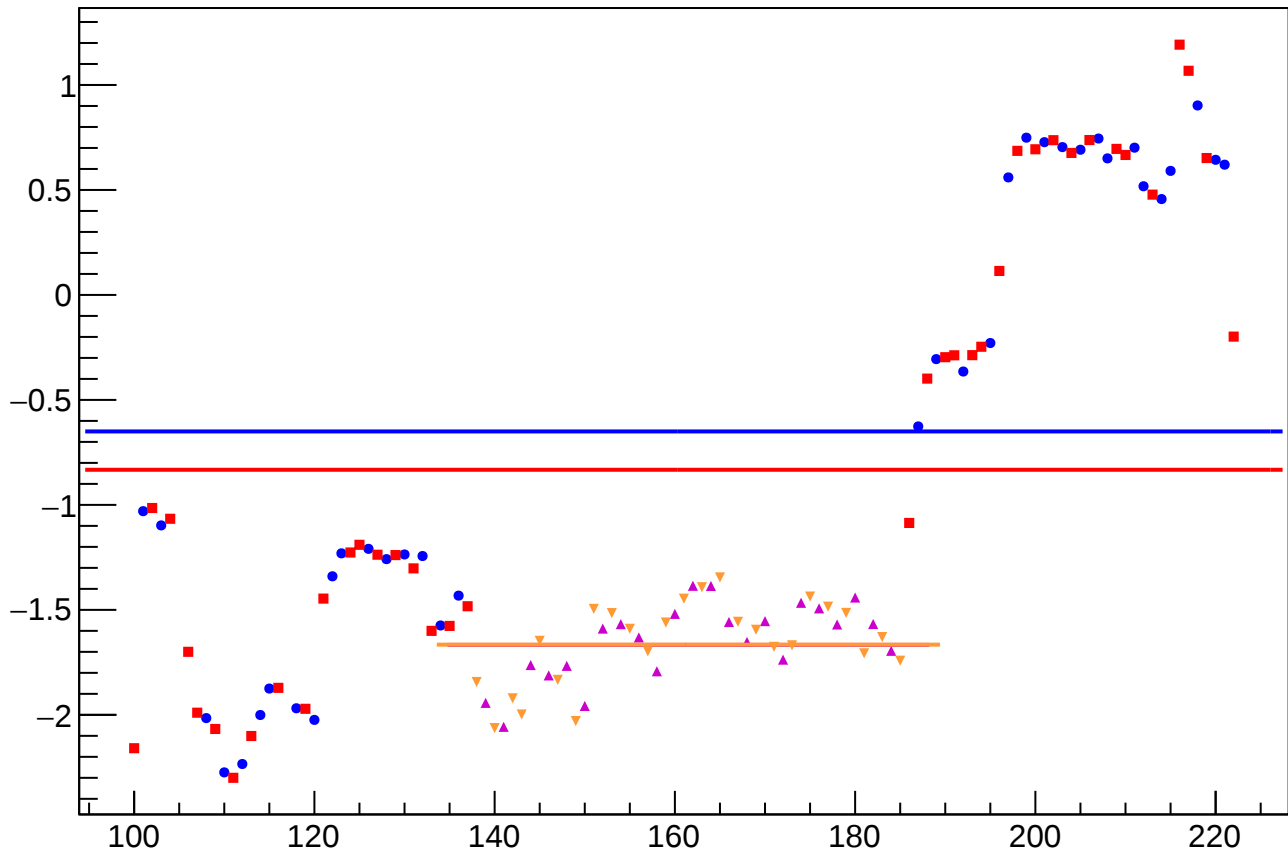
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 2312843.6/59

All: 0.005+/-0.000 χ^2/NDF : 5113511.6/120

- sign 0.005+/-0.000 χ^2/NDF : 2777849.9/60

yield_bpm0l01X_mean vs Slug



Right In: -0.650+/-0.000 χ^2/NDF : 269171003032.0/34

Left Out: -1.666+/-0.000 χ^2/NDF : 18368038680.8/24

Right Out: -0.833+/-0.000 χ^2/NDF : 303951985982.0/37

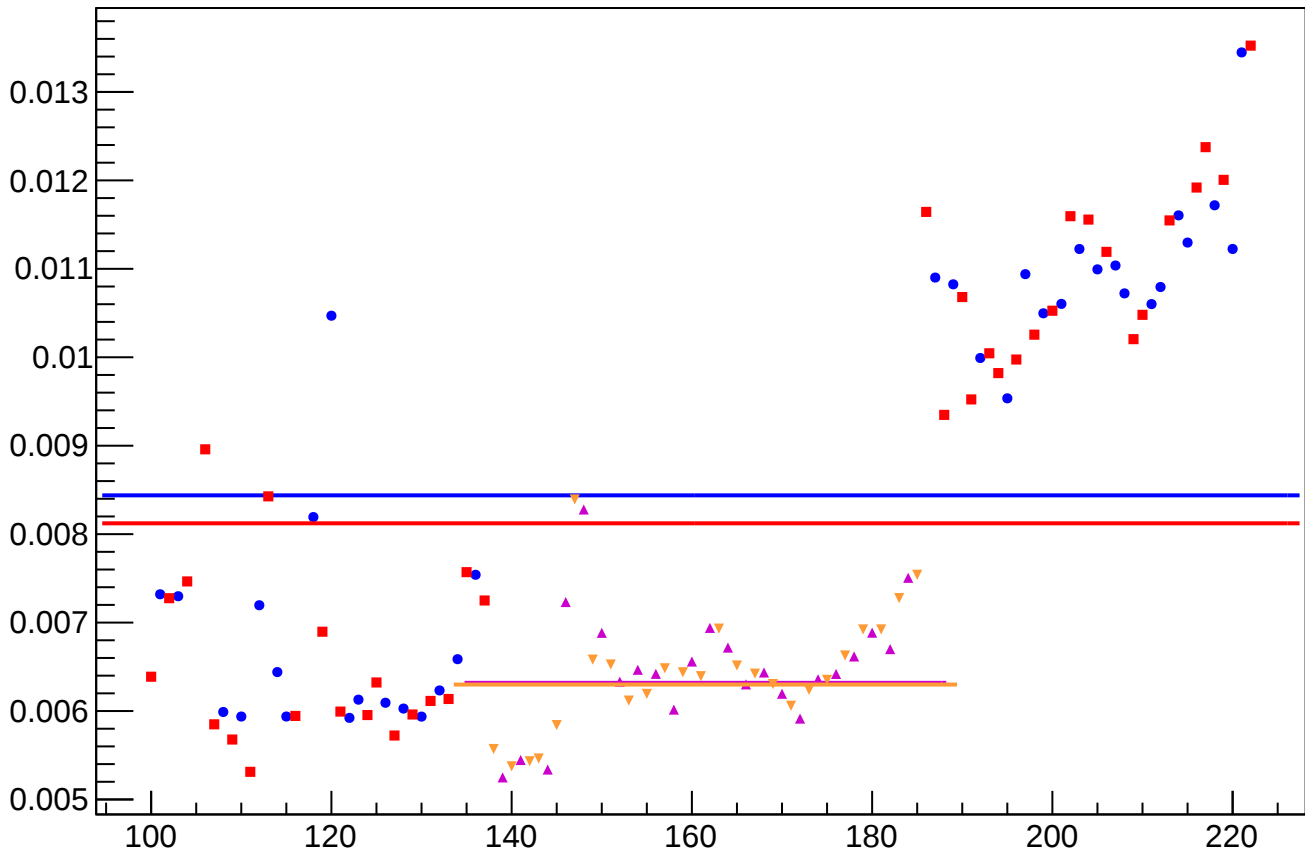
Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

+ sign -1.305+/-0.000 χ^2/NDF : 449421274812.1/59

All: -1.320+/-0.000 χ^2/NDF : 882792681445.4

- sign -1.335+/-0.000 χ^2/NDF : 433053051203.8/60

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2432395.9/34

Left Out: 0.006+/-0.000 χ^2/NDF :312811.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3027249.0/37

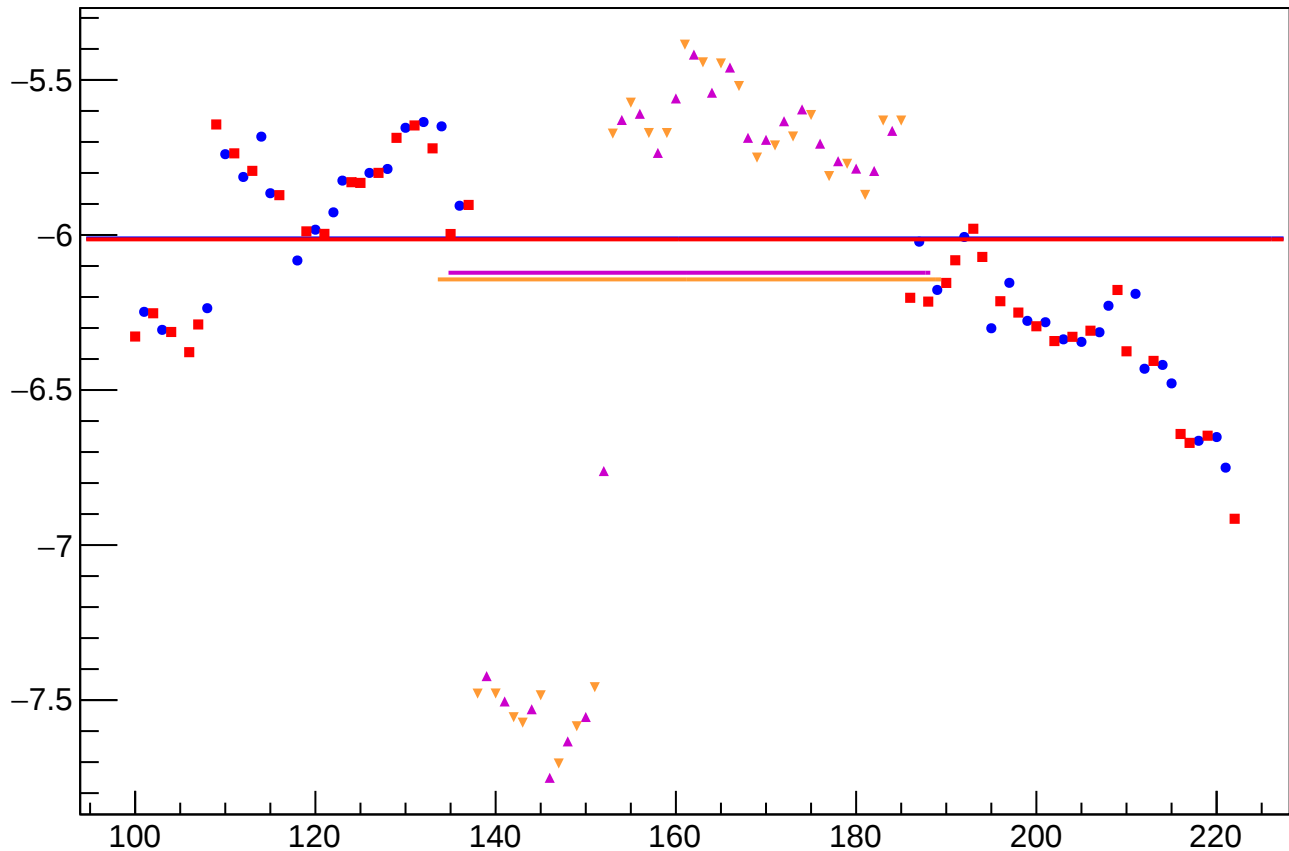
Left In: 0.006+/-0.000 χ^2/NDF :334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 4181972.4/59

All: 0.007+/-0.000 χ^2/NDF : 8614583.1/120

- sign 0.007+/-0.000 χ^2/NDF : 4432224.6/60

yield_bpm0l01Y_mean vs Slug



Right In: -6.011+/-0.000 χ^2/NDF : 21781745847.9/34

Left Out: -6.143+/-0.000 χ^2/NDF : 185721259239.3/24

Right Out: -6.014+/-0.000 χ^2/NDF : 24764882782.4/37

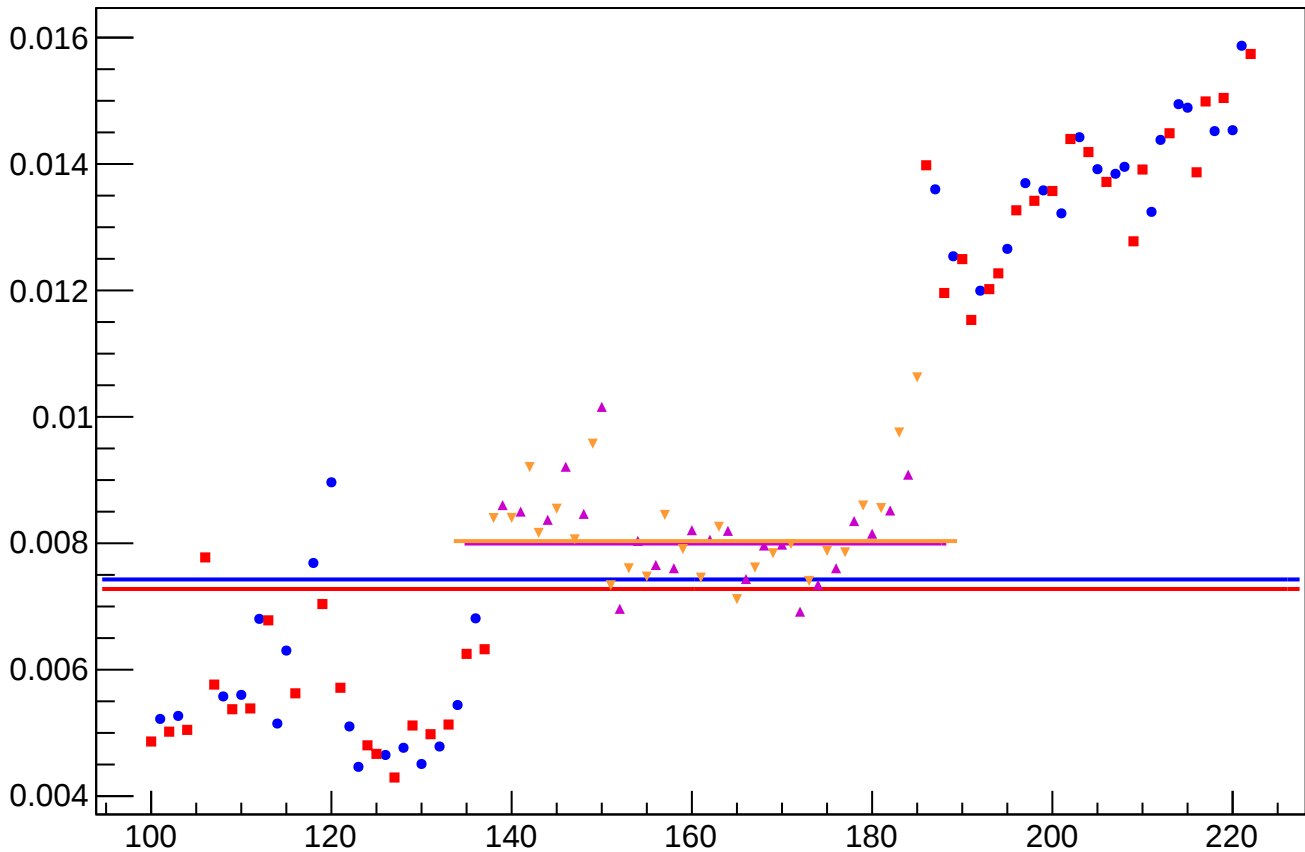
Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

+ sign -6.076+/-0.000 χ^2/NDF : 209791999464.5/59

All: -6.070+/-0.000 χ^2/NDF : 396066511132.0

- sign -6.064+/-0.000 χ^2/NDF : 186232940783.8/60

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 7309673.8/34

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205976.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7437799.4/37

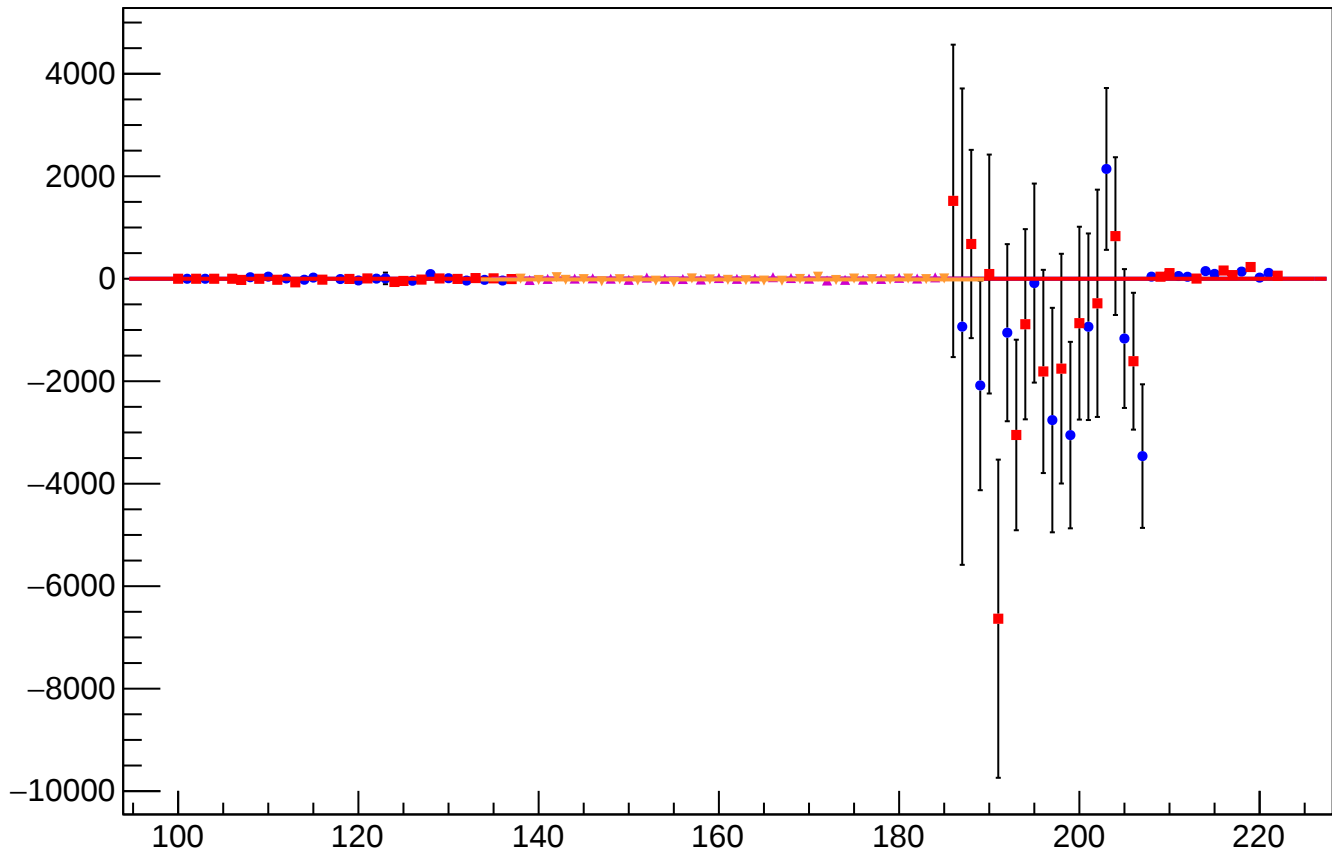
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220203.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7612118.4/59

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 15416831.3/120

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 7797174.2/60

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 59.9/34

Left Out: -13.472+/-2.796 χ^2/NDF : 58.5/24

Right Out: 0.003+/-0.016 χ^2/NDF : 65.3/37

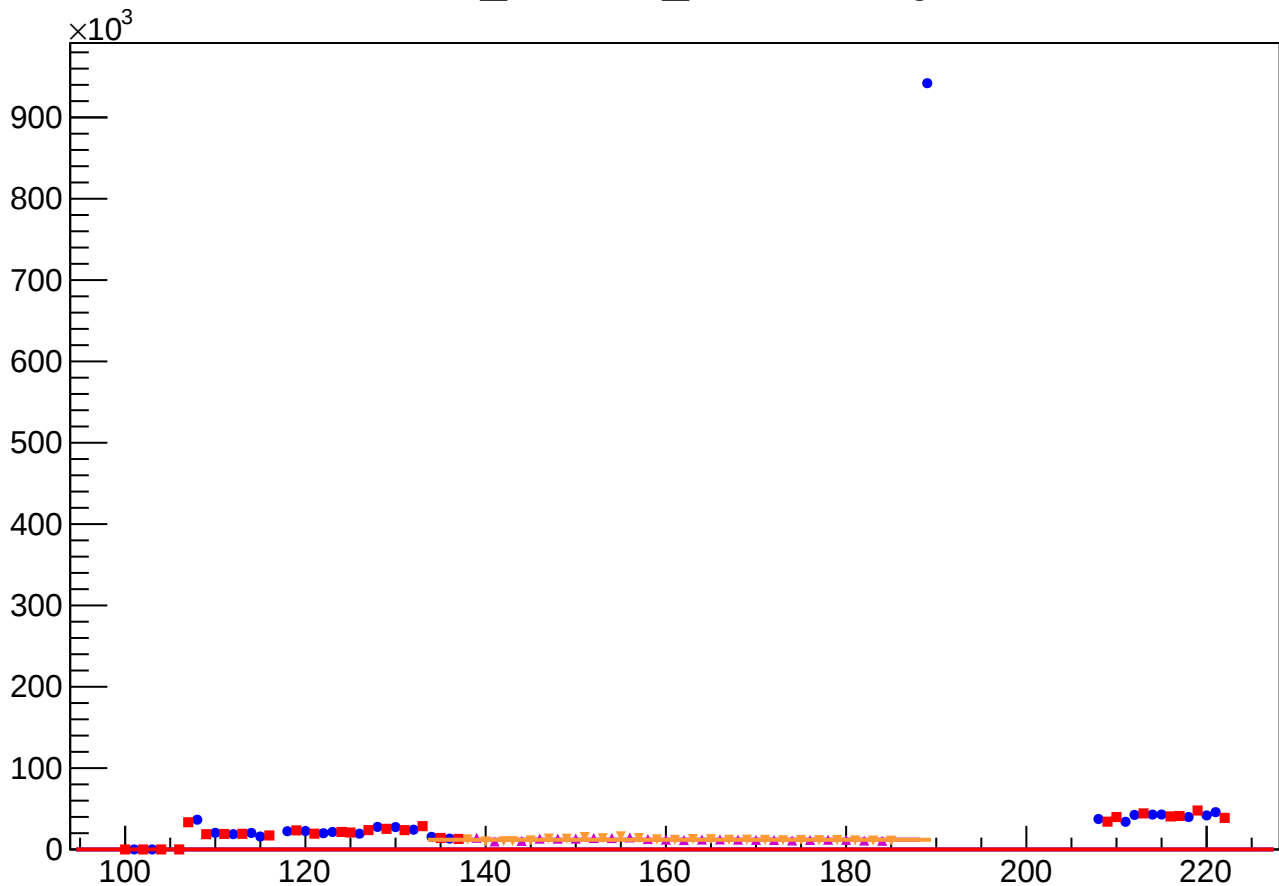
Left In: -0.489+/-2.905 χ^2/NDF : 28.7/22

+ sign 0.013+/-0.017 χ^2/NDF : 141.6/59

All: 0.008+/-0.012 χ^2/NDF : 235.8/120

- sign 0.003+/-0.016 χ^2/NDF : 94.0/60

diff_cav4bX_rms vs Slug



Right In: 18.682 $\pm$ 0.012 χ^2 /NDF: 22172605.0/25

Left Out: 11909.835 $\pm$ 1.977 χ^2 /NDF: 475310.2/24

Right Out: 18.344 $\pm$ 0.011 χ^2 /NDF: 21515649.3/25

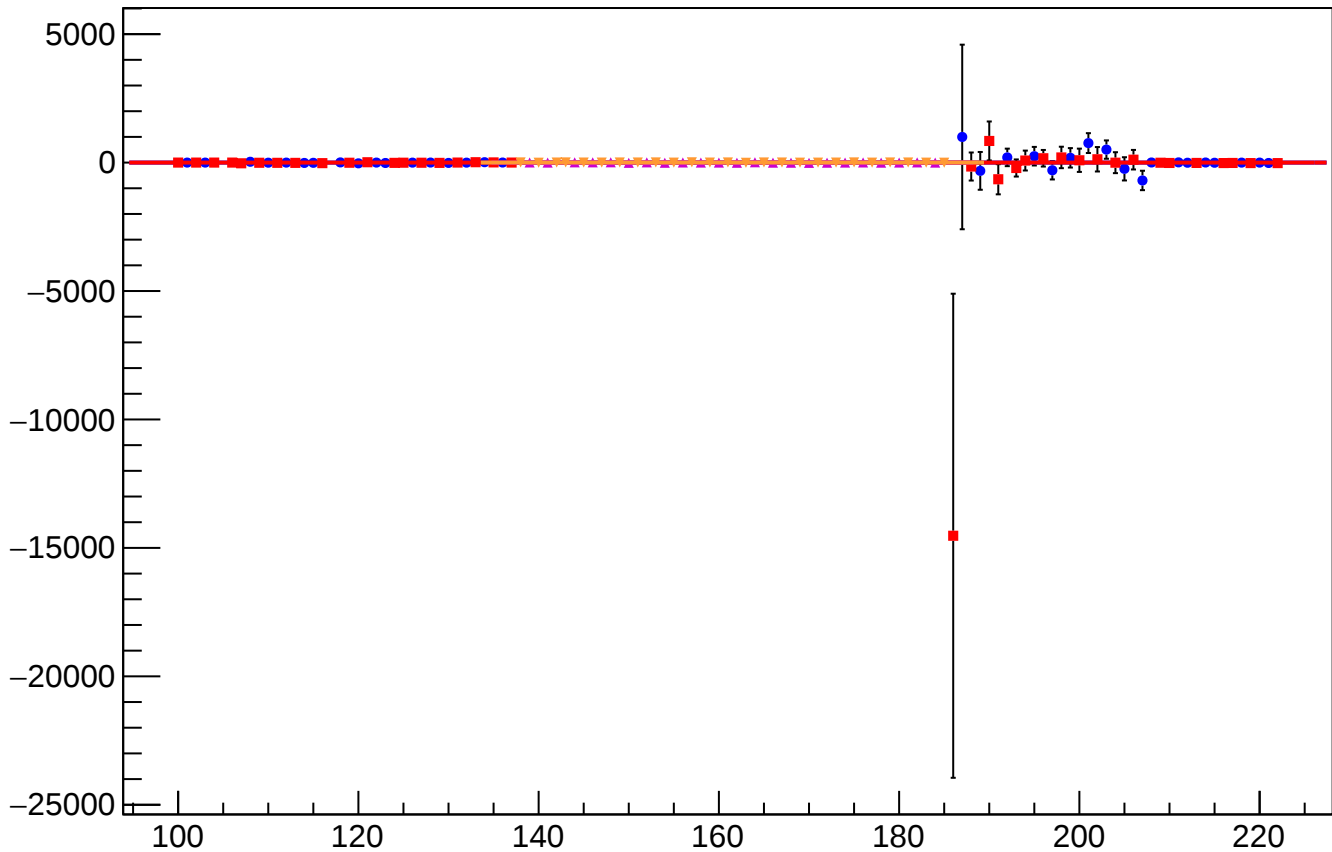
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.139 $\pm$ 0.012 χ^2 /NDF: 58812594.5/50

All: 18.910 $\pm$ 0.008 χ^2 /NDF: 115081247.2/99

- sign 18.713 $\pm$ 0.011 χ^2 /NDF: 56268003.2/48

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 33.2/34

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF: 17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 69.9/37

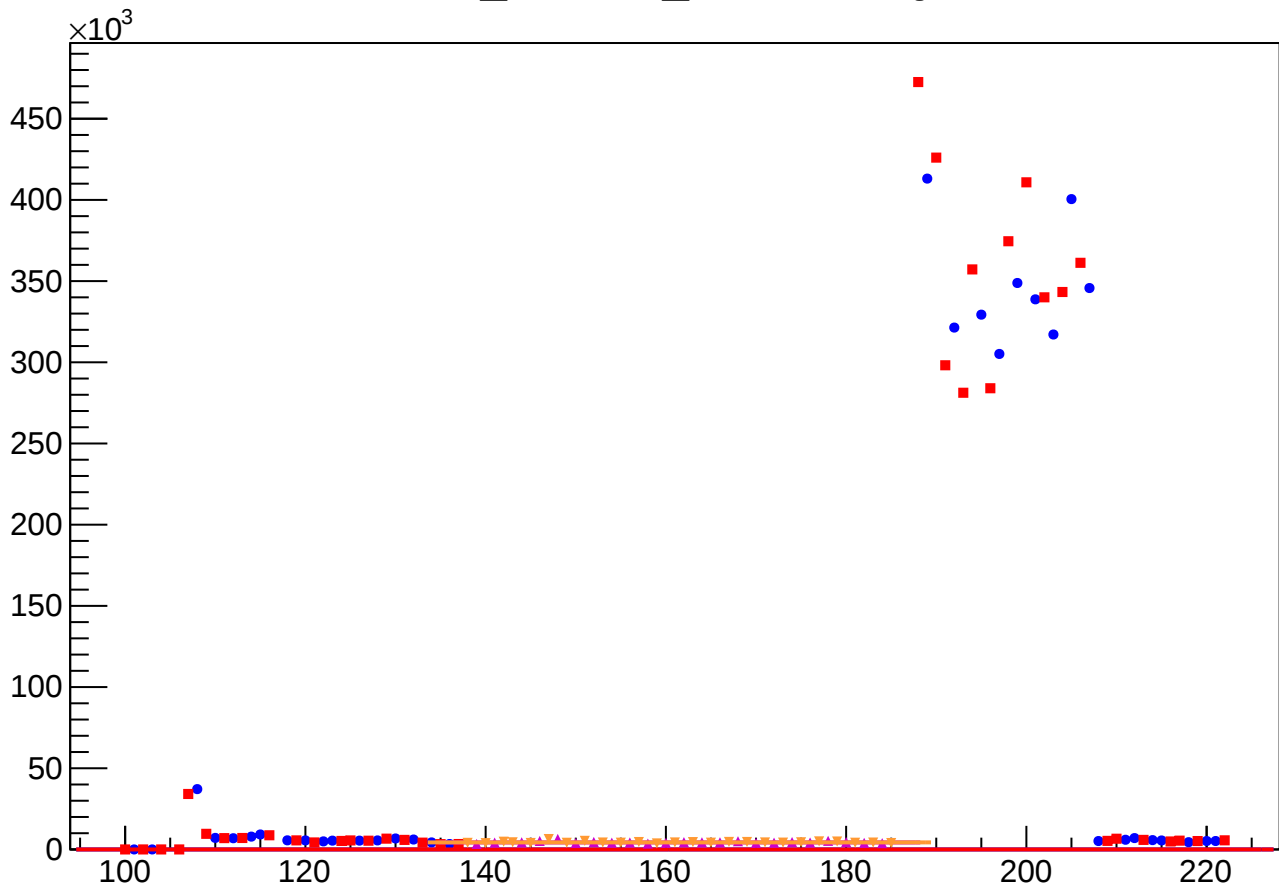
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF: 35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 53.8/59

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 161.1/120

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 106.2/60

diff_cav4bY_rms vs Slug



Right In: 10.025+/-0.007 χ^2/NDF : 35561998.9/33

Left Out: 4350.545+/-0.722 χ^2/NDF : 384749.0/24

Right Out: 9.926+/-0.006 χ^2/NDF : 36271673.1/36

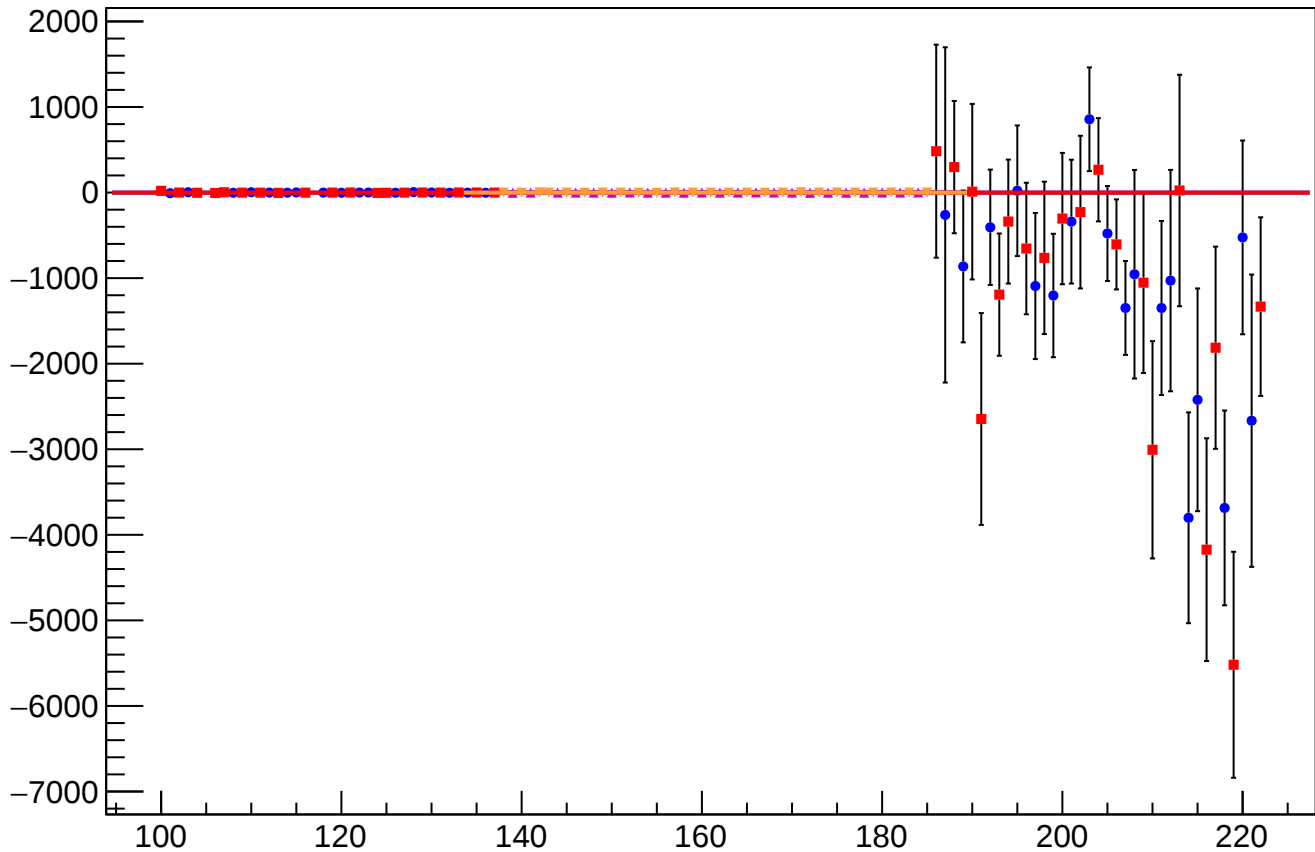
Left In: 4314.568+/-0.738 χ^2/NDF : 534594.3/22

+ sign 10.378+/-0.007 χ^2/NDF : 72088537.2/58

All: 10.295+/-0.004 χ^2/NDF : 142957039.8/1

- sign 10.222+/-0.006 χ^2/NDF : 70868198.5/59

diff_cav4cX_mean vs Slug



Right In: -0.707 ± 0.485 χ^2/NDF : 66.3/34

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.765 ± 0.502 χ^2/NDF : 61.1/37

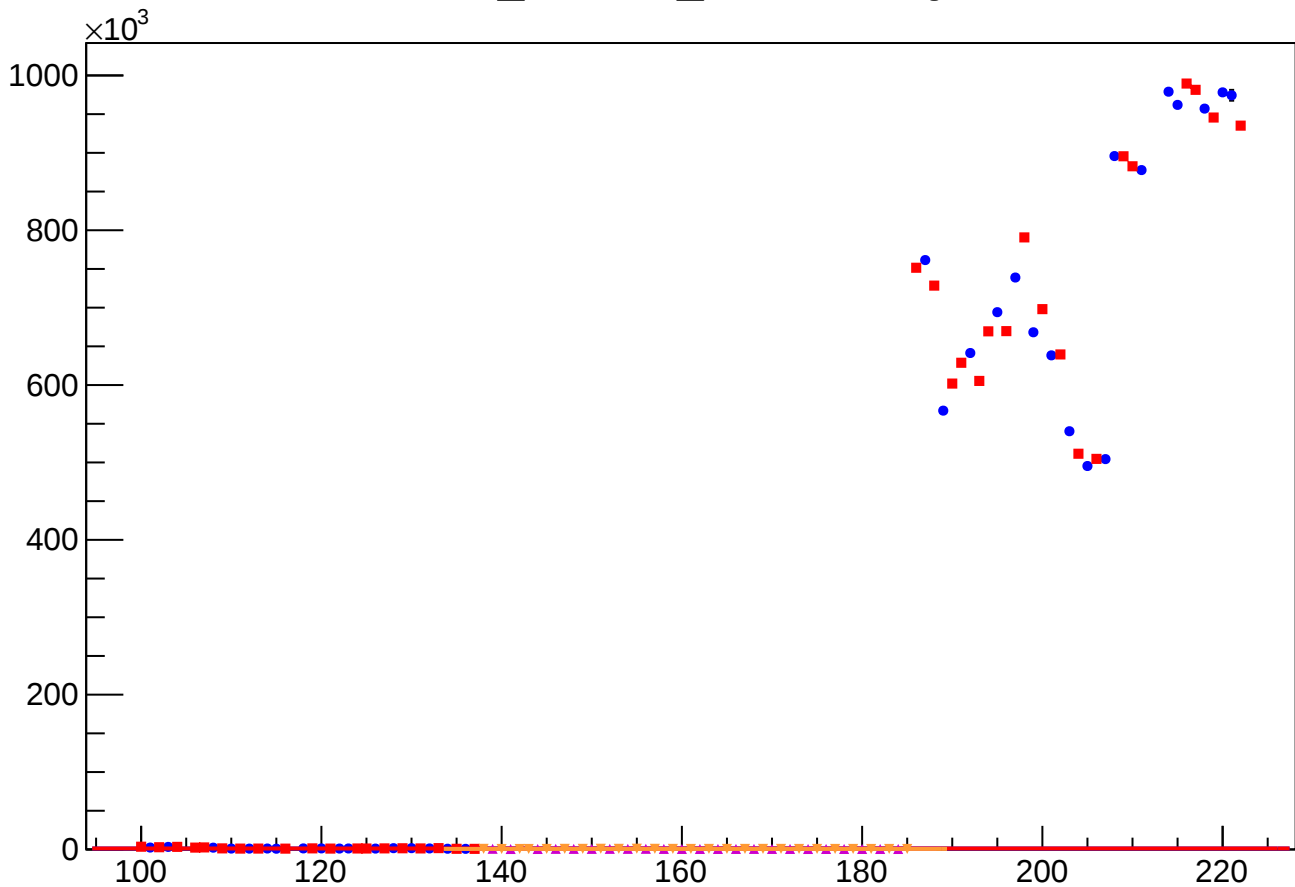
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 124.7/59

All: -0.444 ± 0.112 χ^2/NDF : 226.0/120

- sign -0.097 ± 0.161 χ^2/NDF : 92.3/60

diff_cav4cX_rms vs Slug



Right In: 1167.490 ± 0.343 $\chi^2/\text{NDF}: 19732719.6/33$

Left Out: 700.797 ± 0.116 $\chi^2/\text{NDF}: 392521.4/24$

Right Out: 1252.880 ± 0.355 $\chi^2/\text{NDF}: 20898780.0/36$

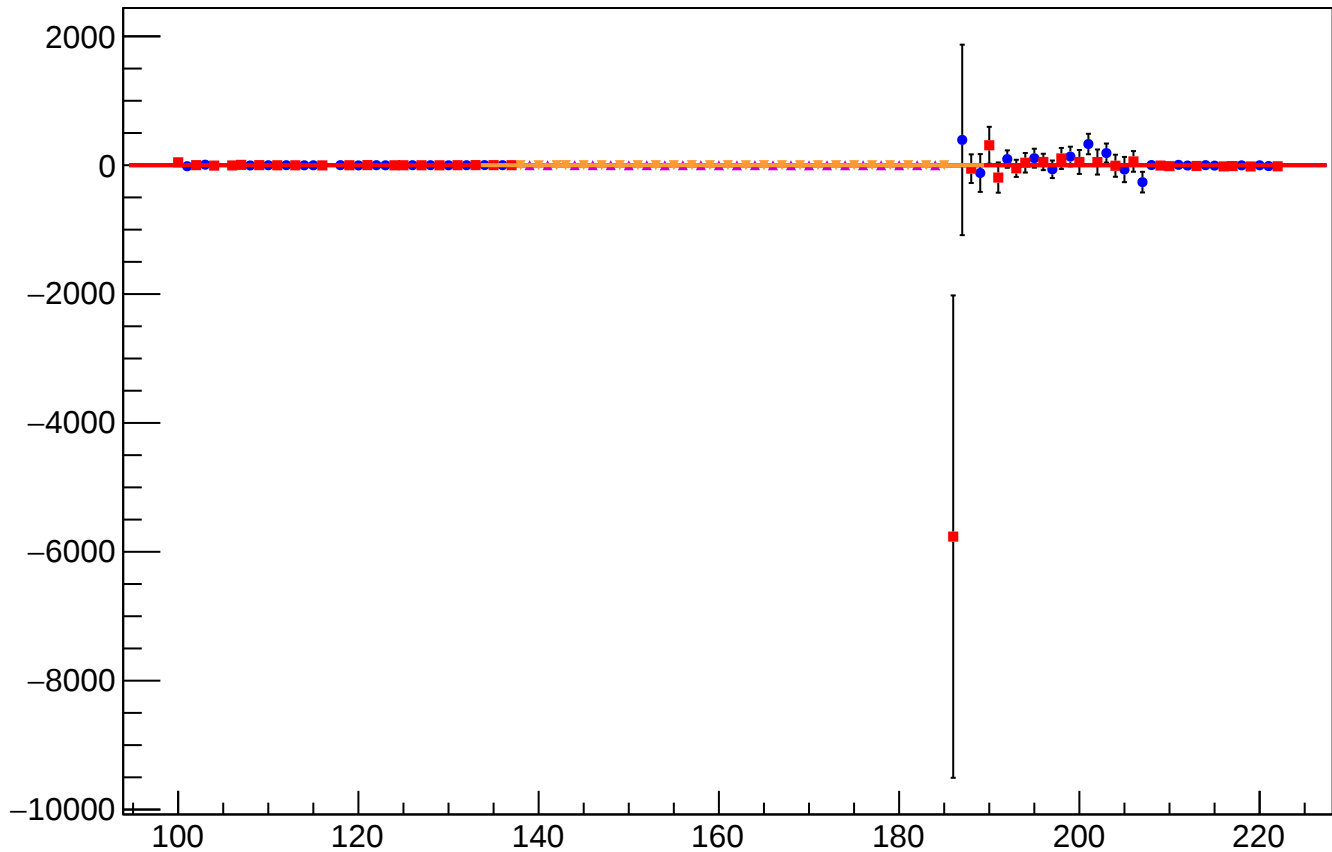
Left In: 706.950 ± 0.120 $\chi^2/\text{NDF}: 338177.1/22$

+ sign 748.840 ± 0.110 $\chi^2/\text{NDF}: 21786388.2/58$

All: 755.756 ± 0.079 $\chi^2/\text{NDF}: 45152520.5/1$

- sign 763.170 ± 0.114 $\chi^2/\text{NDF}: 23357946.8/59$

diff_cav4cY_mean vs Slug



Right In: -0.103 ± 0.268 $\chi^2/\text{NDF}: 40.3/34$

Left Out: 0.236 ± 0.122 $\chi^2/\text{NDF}: 17.6/24$

Right Out: -0.022 ± 0.262 $\chi^2/\text{NDF}: 88.1/37$

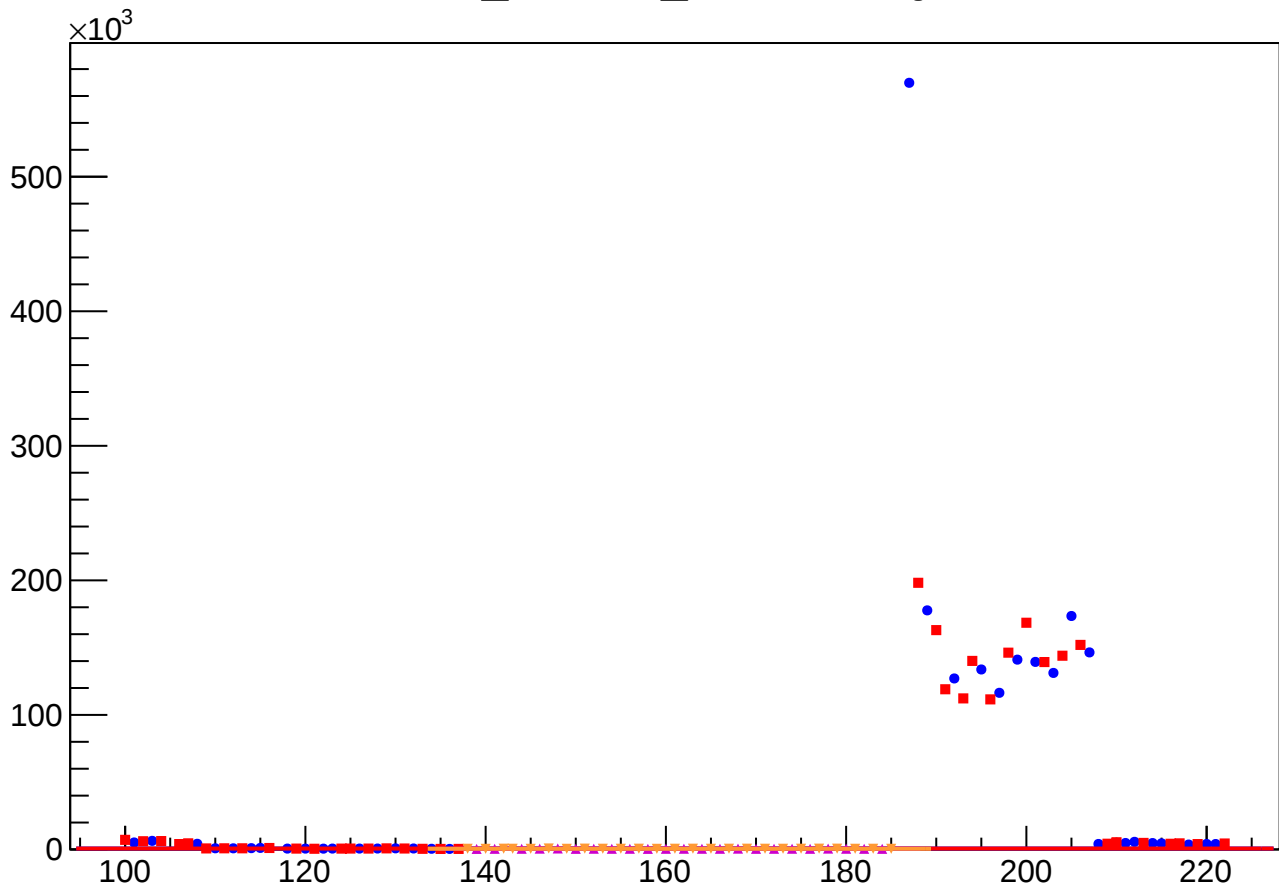
Left In: 0.115 ± 0.125 $\chi^2/\text{NDF}: 35.0/22$

+ sign 0.178 ± 0.111 $\chi^2/\text{NDF}: 59.2/59$

All: 0.134 ± 0.079 $\chi^2/\text{NDF}: 182.8/120$

- sign 0.090 ± 0.113 $\chi^2/\text{NDF}: 123.3/60$

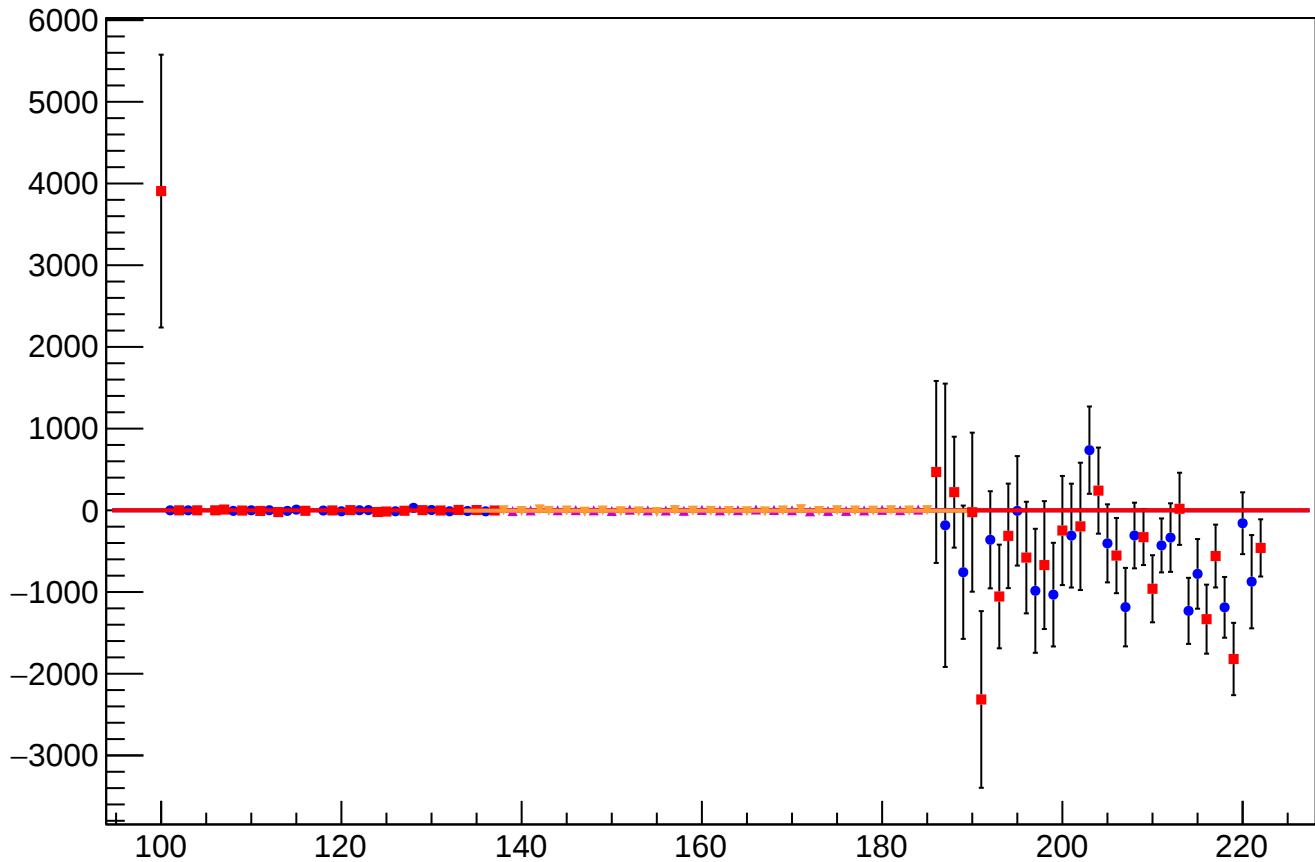
diff_cav4cY_rms vs Slug



Right In: 689.827 ± 0.189 χ^2/NDF : 25054117.4/34
 Left Out: 522.416 ± 0.087 χ^2/NDF : 331573.1/24
 Right Out: 672.644 ± 0.186 χ^2/NDF : 26001922.6/36
 Left In: 519.909 ± 0.089 χ^2/NDF : 444746.3/22

+ sign 551.392 ± 0.079 χ^2/NDF : 26032388.1/59
 All: 549.887 ± 0.056 χ^2/NDF : 53031110.4/11
 - sign 548.333 ± 0.080 χ^2/NDF : 26997980.1/59

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 58.4/34

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 65.1/37

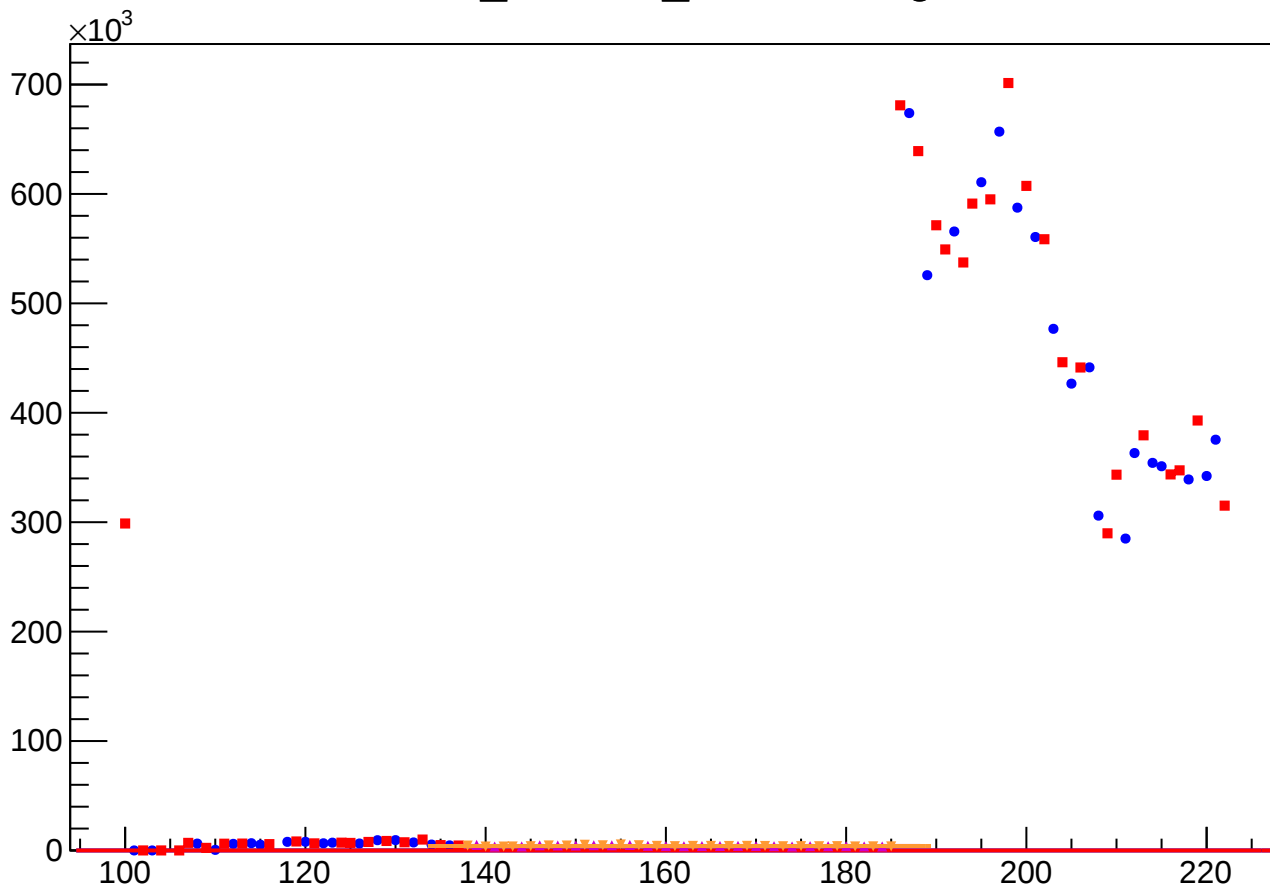
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 138.3/59

All: -0.025 ± 0.014 χ^2/NDF : 232.6/120

- sign -0.027 ± 0.020 χ^2/NDF : 94.3/60

diff_cav4dX_rms vs Slug



Right In: 17.348+/-0.015 χ^2/NDF : 35766414.7/34

Left Out: 4074.257+/-0.676 χ^2/NDF : 416916.0/24

Right Out: 17.279+/-0.014 χ^2/NDF : 37151550.7/37

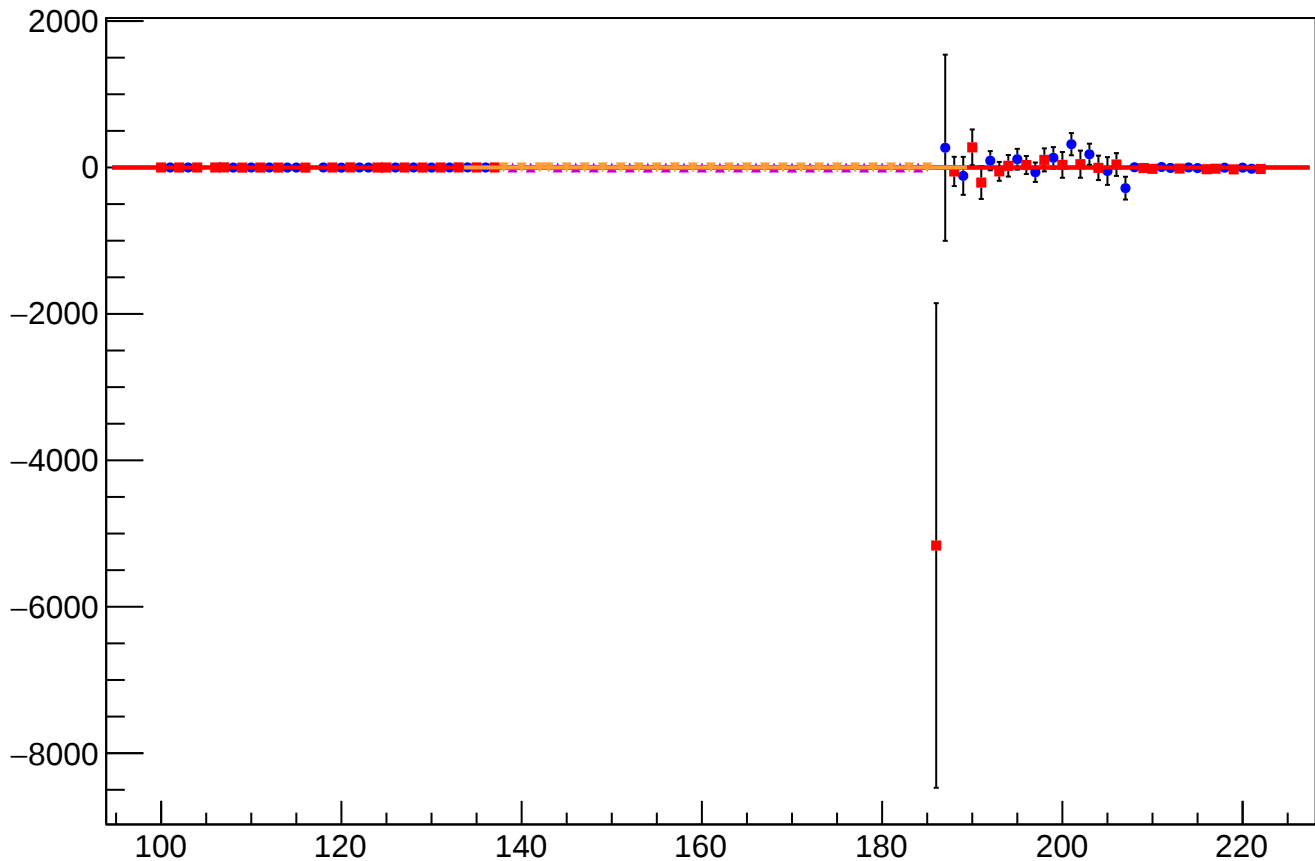
Left In: 4113.744+/-0.700 χ^2/NDF : 354965.8/22

+ sign 19.269+/-0.015 χ^2/NDF : 72216335.6/59

All: 19.081+/-0.010 χ^2/NDF : 143939834.0/12

- sign 18.912+/-0.014 χ^2/NDF : 71723189.2/60

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 35.7/34

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 89.6/37

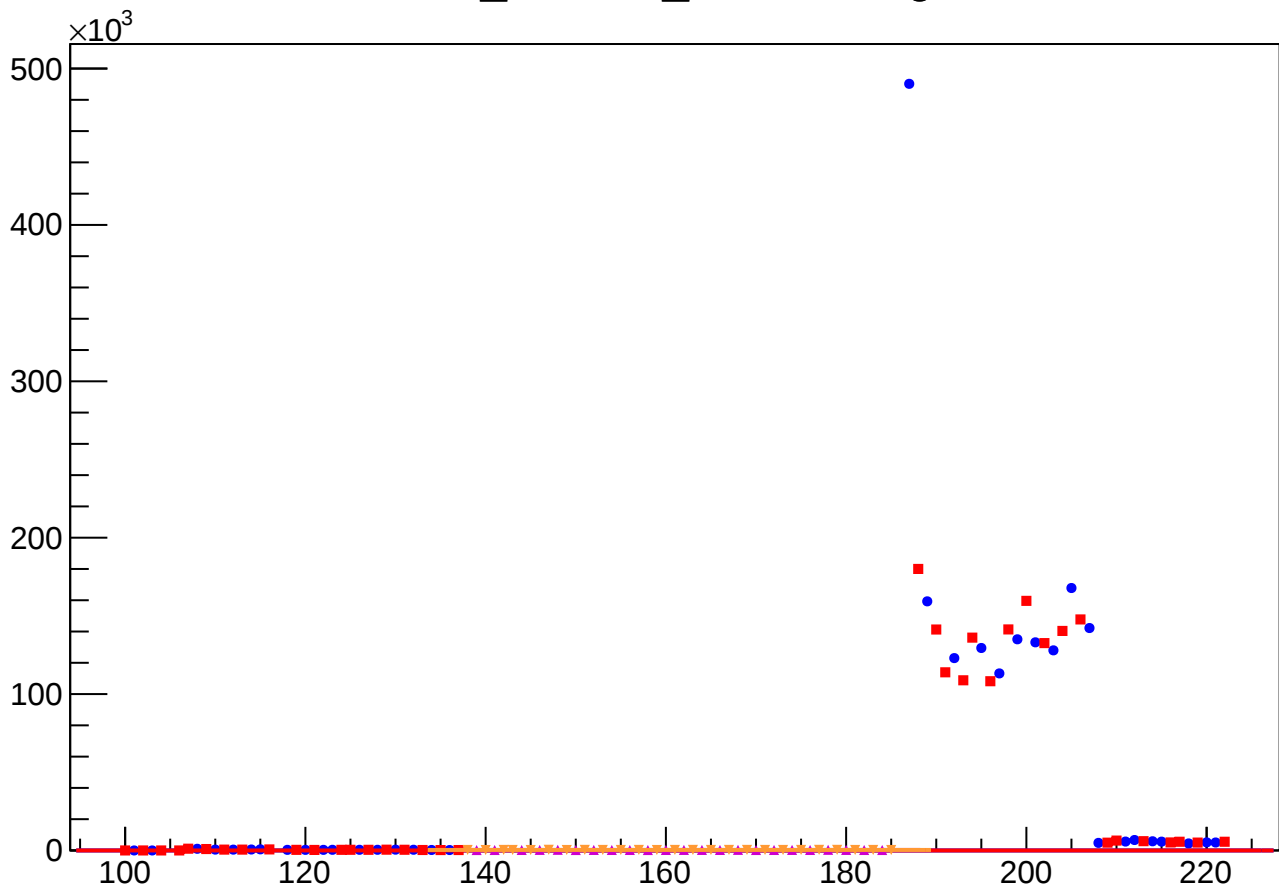
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 56.4/59

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 181.7/120

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 125.3/60

diff_cav4dY_rms vs Slug



Right In: 1.703 $\pm$ 0.001 χ^2 /NDF: 35964935.8/34

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.732 $\pm$ 0.001 χ^2 /NDF: 36080420.0/36

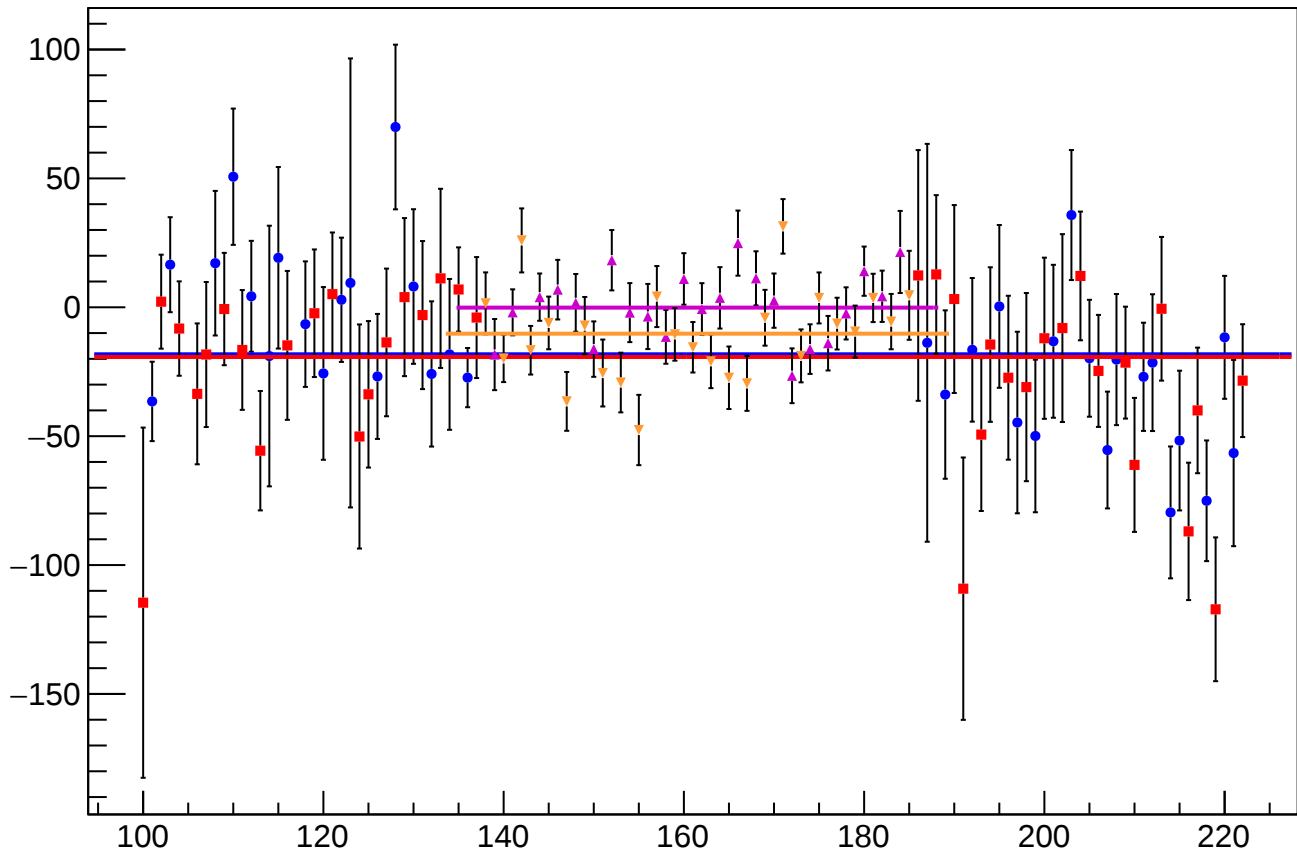
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.930 $\pm$ 0.001 χ^2 /NDF: 72276326.2/59

All: 1.930 $\pm$ 0.001 χ^2 /NDF: 142755030.4/119

- sign 1.929 $\pm$ 0.001 χ^2 /NDF: 70478703.8/59

diff_bpm4aX_mean vs Slug



Right In: -18.239 ± 4.231 $\chi^2/\text{NDF}: 50.1/34$

Left Out: -10.235 ± 2.167 $\chi^2/\text{NDF}: 58.0/24$

Right Out: -19.275 ± 4.291 $\chi^2/\text{NDF}: 44.9/37$

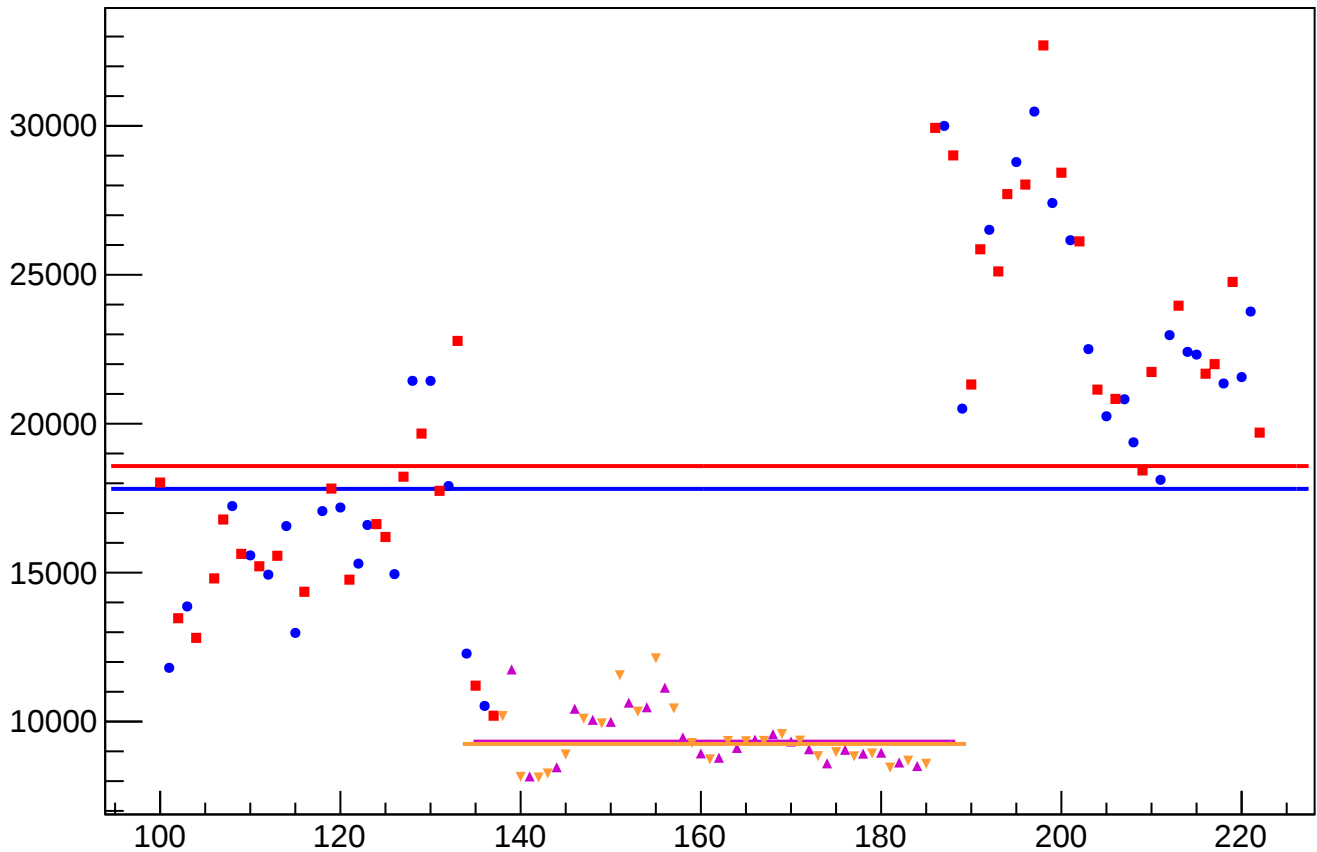
Left In: -0.130 ± 2.242 $\chi^2/\text{NDF}: 29.8/22$

+ sign -11.898 ± 1.928 $\chi^2/\text{NDF}: 110.9/59$

All: -8.182 ± 1.384 $\chi^2/\text{NDF}: 209.0/120$

- sign -4.237 ± 1.987 $\chi^2/\text{NDF}: 90.4/60$

diff_bpm4aX_rms vs Slug



Right In: 17812.500 $\pm$ 2.992 χ^2 /NDF: 3078130.6/34

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

Right Out: 18577.458 $\pm$ 3.034 χ^2 /NDF: 3074979.5/37

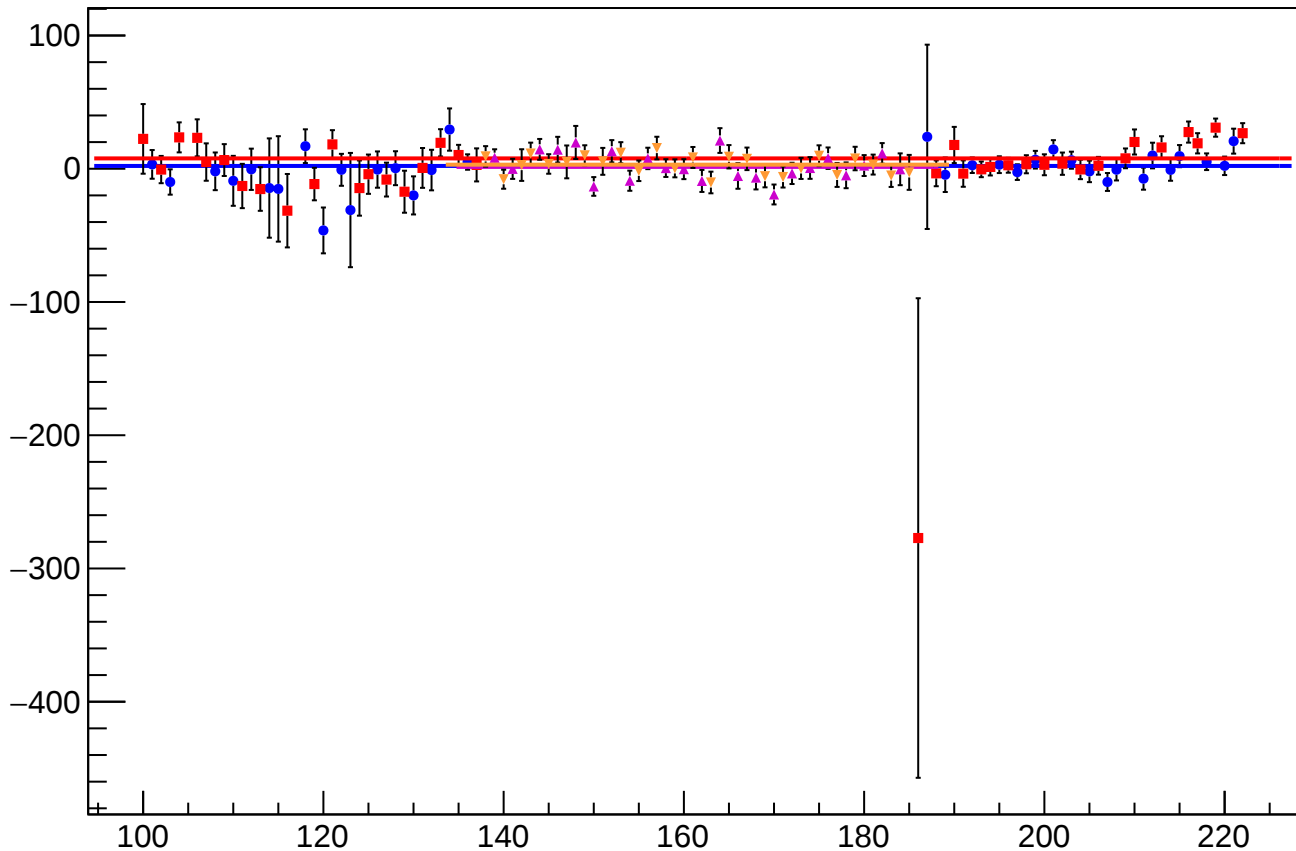
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 11028.624 $\pm$ 1.364 χ^2 /NDF: 9901399.3/59

All: 11165.051 $\pm$ 0.979 χ^2 /NDF: 20583410.6

- sign 11309.917 $\pm$ 1.405 χ^2 /NDF: 10661373.3/60

diff_bpm4aY_mean vs Slug



Right In: 2.105 ± 1.528 χ^2/NDF : 34.0/34

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 7.769 ± 1.514 χ^2/NDF : 62.4/37

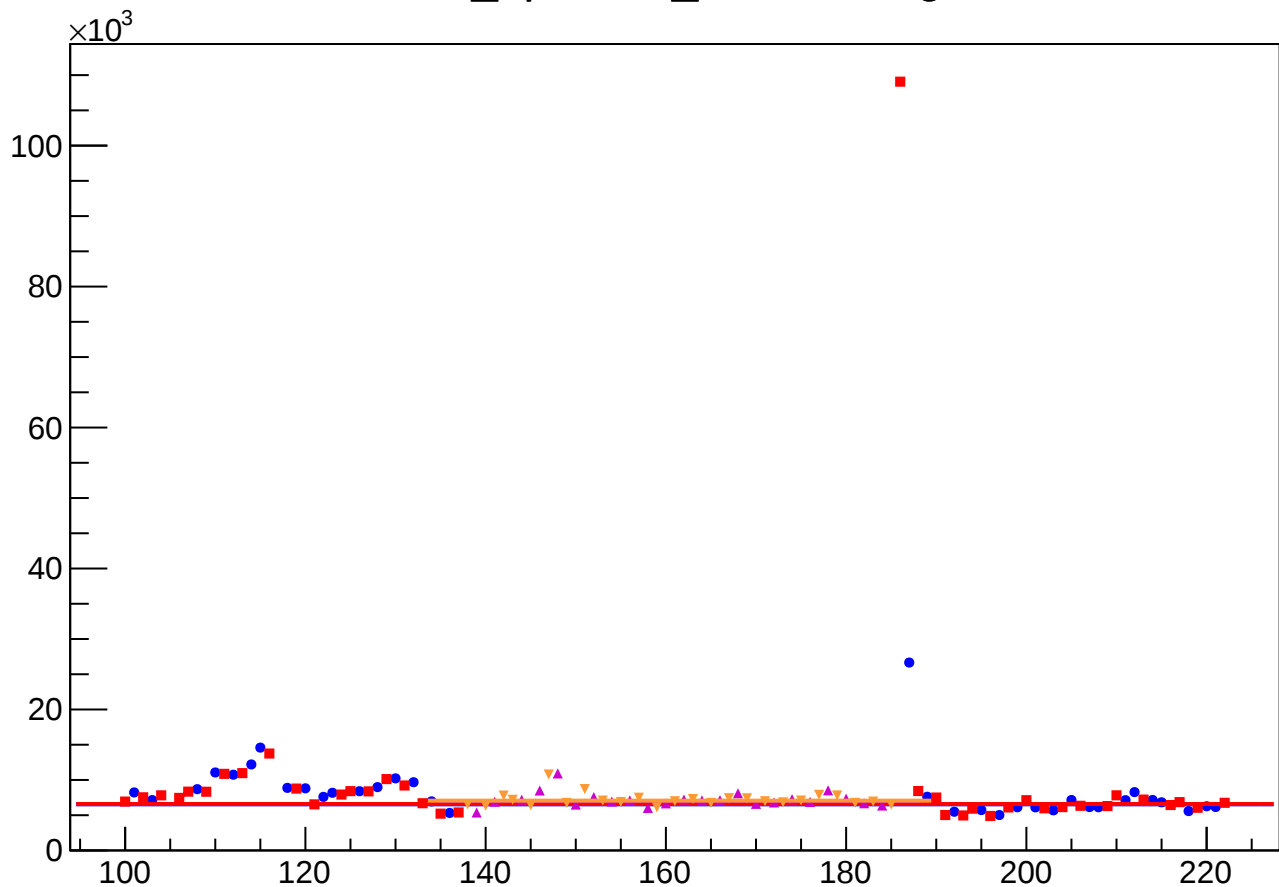
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.544 ± 1.124 χ^2/NDF : 52.4/59

All: 3.736 ± 0.796 χ^2/NDF : 160.3/120

- sign 4.938 ± 1.128 χ^2/NDF : 105.6/60

diff_bpm4aY_rms vs Slug



Right In: 6544.460 ± 1.081 $\chi^2/\text{NDF}: 1667583.7/34$

Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$

Right Out: 6589.683 ± 1.070 $\chi^2/\text{NDF}: 2167281.3/37$

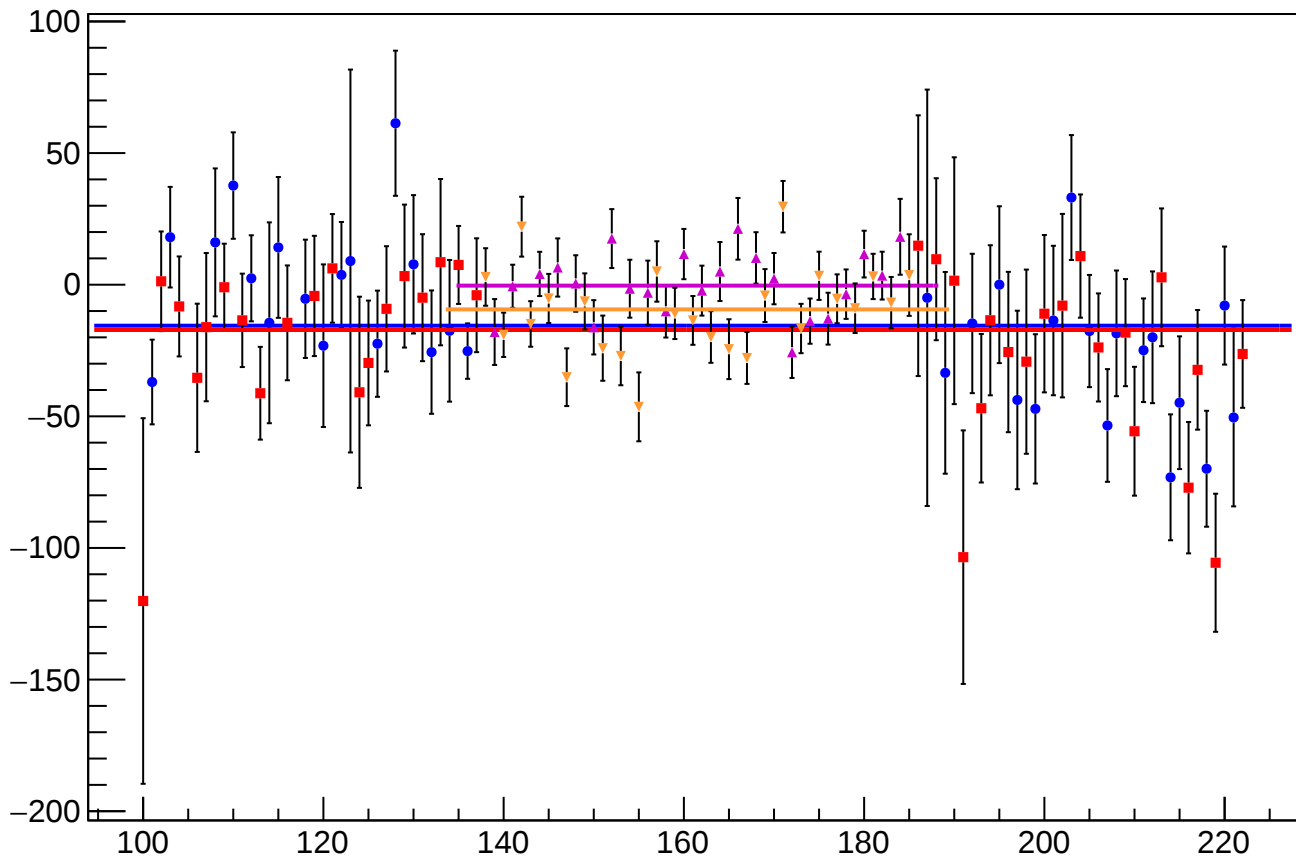
Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

+ sign 6784.312 ± 0.795 $\chi^2/\text{NDF}: 2162293.2/59$

All: 6778.272 ± 0.563 $\chi^2/\text{NDF}: 4945168.1/12$

- sign 6772.185 ± 0.798 $\chi^2/\text{NDF}: 2782759.0/60$

diff_bpm4eX_mean vs Slug



Right In: -15.574 ± 3.881 $\chi^2/\text{NDF}: 51.0/34$

Left Out: -9.376 ± 2.018 $\chi^2/\text{NDF}: 58.4/24$

Right Out: -17.205 ± 3.904 $\chi^2/\text{NDF}: 42.1/37$

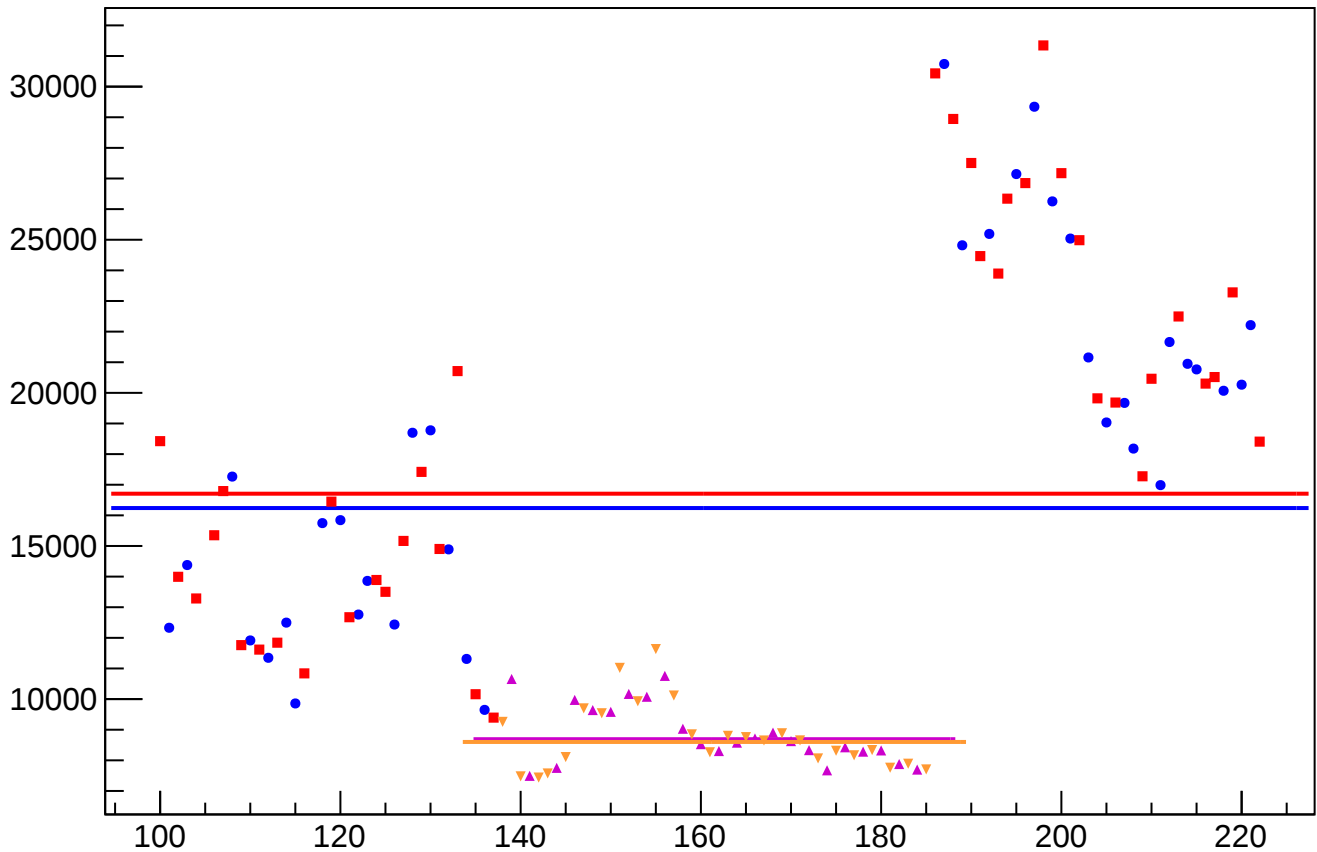
Left In: -0.353 ± 2.092 $\chi^2/\text{NDF}: 29.6/22$

+ sign -10.695 ± 1.790 $\chi^2/\text{NDF}: 111.5/59$

All: -7.501 ± 1.285 $\chi^2/\text{NDF}: 204.2/120$

- sign -4.113 ± 1.844 $\chi^2/\text{NDF}: 86.2/60$

diff_bpm4eX_rms vs Slug



Right In: 16238.713 $\pm$ 2.744 χ^2 /NDF: 3586546.2/34

Left Out: 8600.457 $\pm$ 1.427 χ^2 /NDF:438229.4/24

Right Out: 16707.268 $\pm$ 2.761 χ^2 /NDF: 3928000.8/37

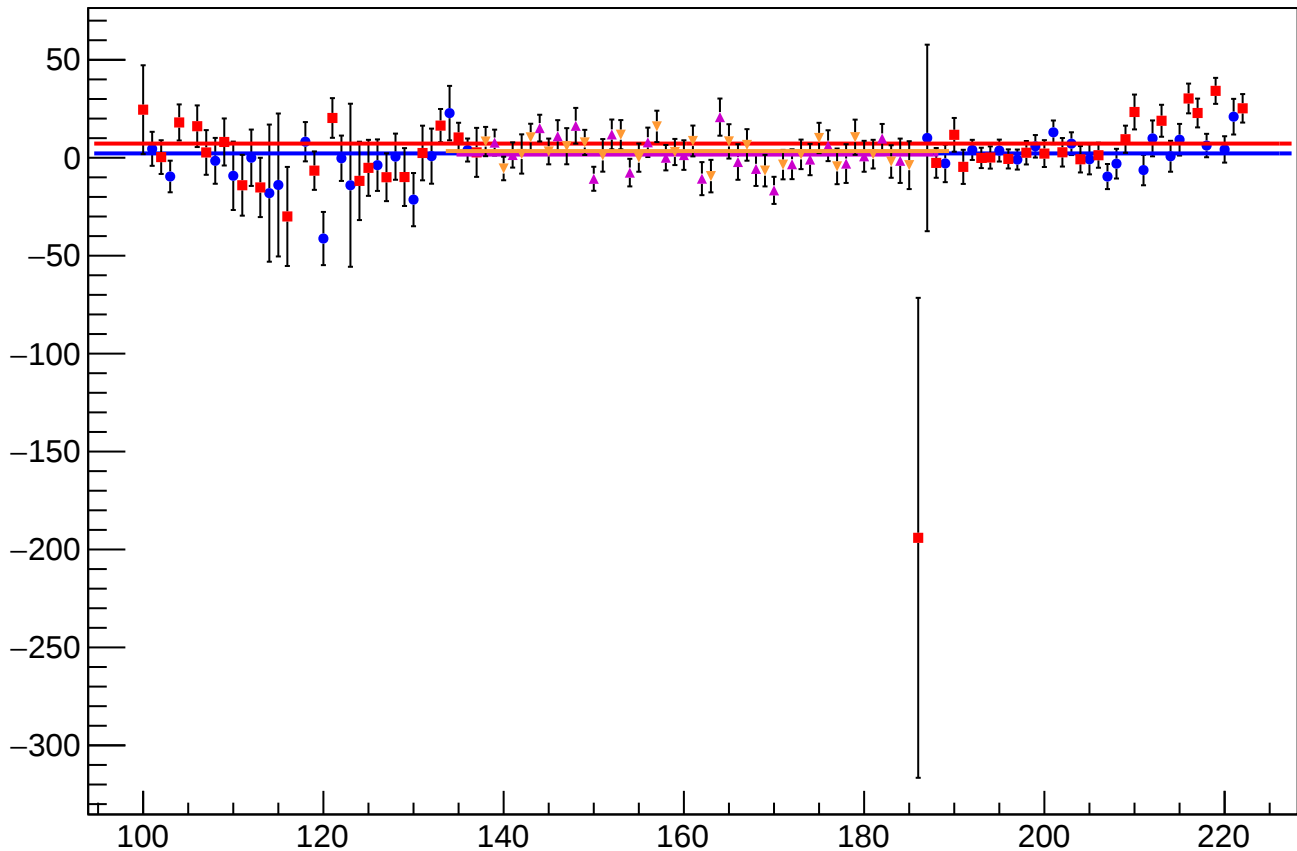
Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF:370834.1/22

+ sign 10225.606 $\pm$ 1.266 χ^2 /NDF: 10122697.9/59

All: 10348.417 $\pm$ 0.908 χ^2 /NDF: 20992179.4

- sign 10478.728 $\pm$ 1.304 χ^2 /NDF: 10850083.7/60

diff_bpm4eY_mean vs Slug



Right In: 2.216 ± 1.395 χ^2/NDF : 36.3/34

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 7.238 ± 1.364 χ^2/NDF : 78.0/37

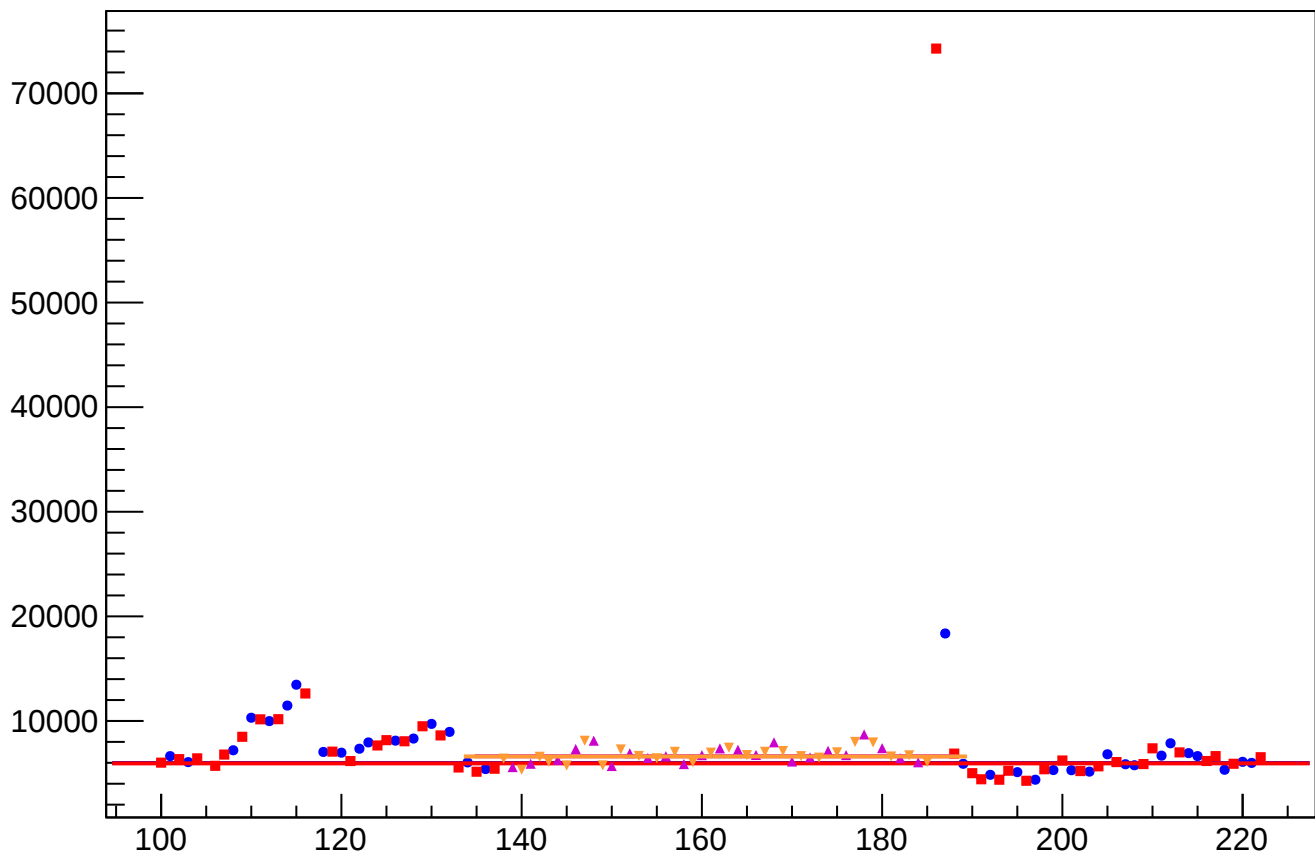
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.748 ± 1.037 χ^2/NDF : 53.5/59

All: 3.810 ± 0.734 χ^2/NDF : 174.2/120

- sign 4.874 ± 1.038 χ^2/NDF : 118.6/60

diff_bpm4eY_rms vs Slug



Right In: 5978.558+/-0.986 χ^2/NDF : 1663998.2/34

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 5947.956+/-0.965 χ^2/NDF : 2267978.9/37

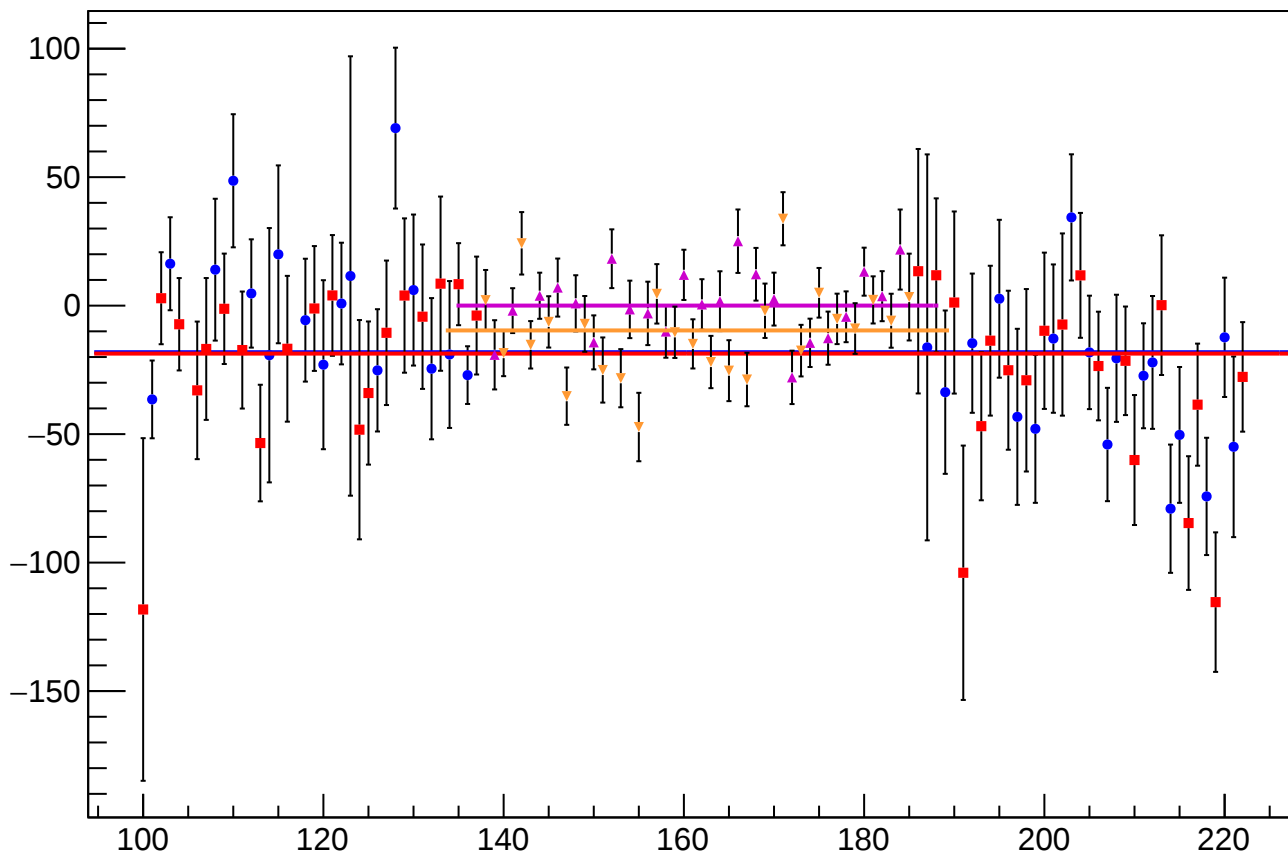
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6259.763+/-0.733 χ^2/NDF : 2244051.3/59

All: 6247.224+/-0.519 χ^2/NDF : 5152651.9/12

- sign 6234.666+/-0.734 χ^2/NDF : 2908015.4/60

diff_bpm4acX_mean vs Slug



Right In: -18.123 ± 4.134 $\chi^2/\text{NDF}: 50.2/34$

Left Out: -9.649 ± 2.118 $\chi^2/\text{NDF}: 59.8/24$

Right Out: -18.667 ± 4.194 $\chi^2/\text{NDF}: 45.3/37$

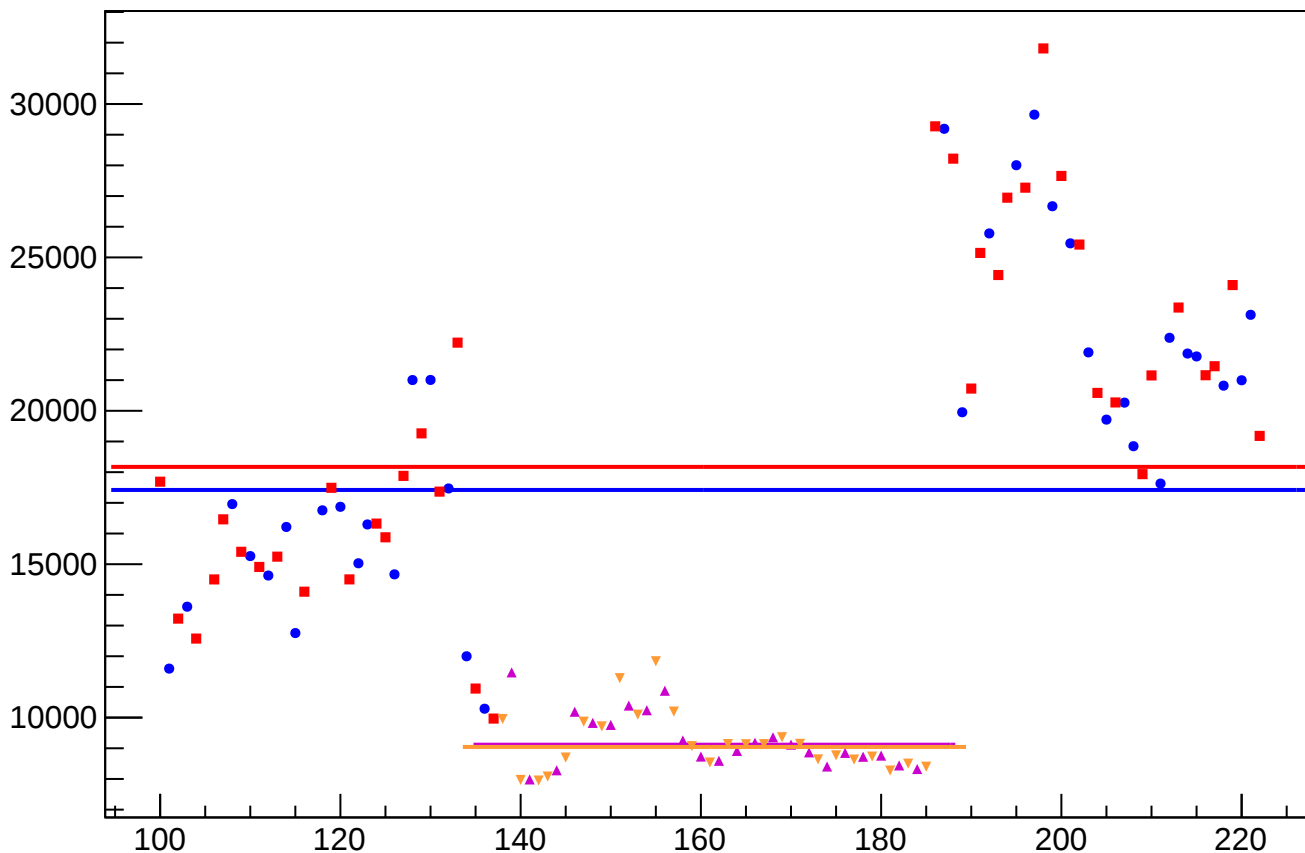
Left In: 0.019 ± 2.192 $\chi^2/\text{NDF}: 30.6/22$

+ sign -11.411 ± 1.885 $\chi^2/\text{NDF}: 113.3/59$

All: -7.812 ± 1.353 $\chi^2/\text{NDF}: 212.4/120$

- sign -3.990 ± 1.943 $\chi^2/\text{NDF}: 91.6/60$

diff_bpm4acX_rms vs Slug



Right In: 17420.206 $\pm$ 2.923 χ^2 /NDF: 3026254.9/34

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF:328192.2/24

+ sign 10785.138 $\pm$ 1.333 χ^2 /NDF: 9857537.0/59

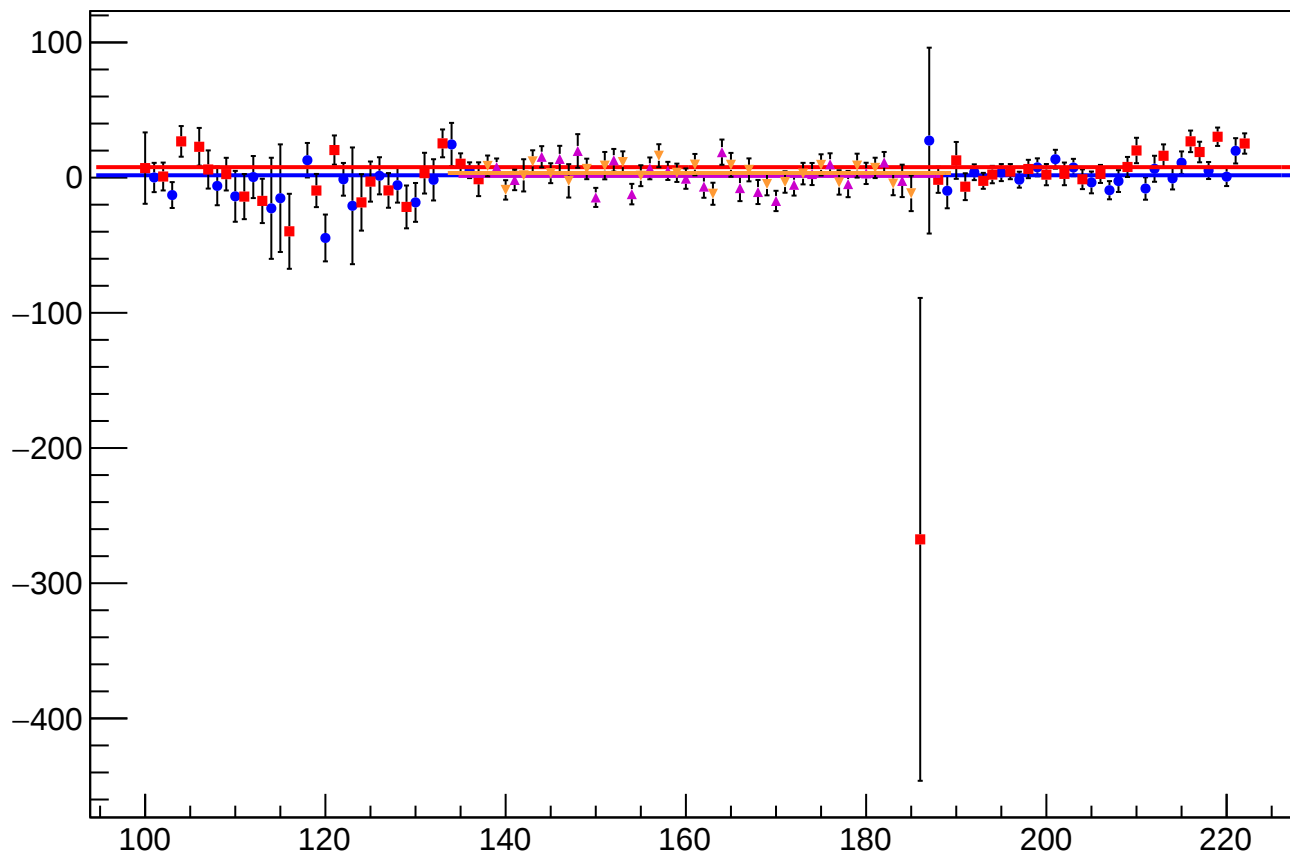
Right Out: 18172.193 $\pm$ 2.965 χ^2 /NDF: 3017277.3/37

All: 10918.450 $\pm$ 0.957 χ^2 /NDF: 20496965.4

Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

- sign 11060.007 $\pm$ 1.374 χ^2 /NDF: 10618807.6/60

diff_bpm4acY_mean vs Slug



Right In: 1.753 ± 1.533 χ^2/NDF : 33.5/34

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 7.757 ± 1.519 χ^2/NDF : 65.4/37

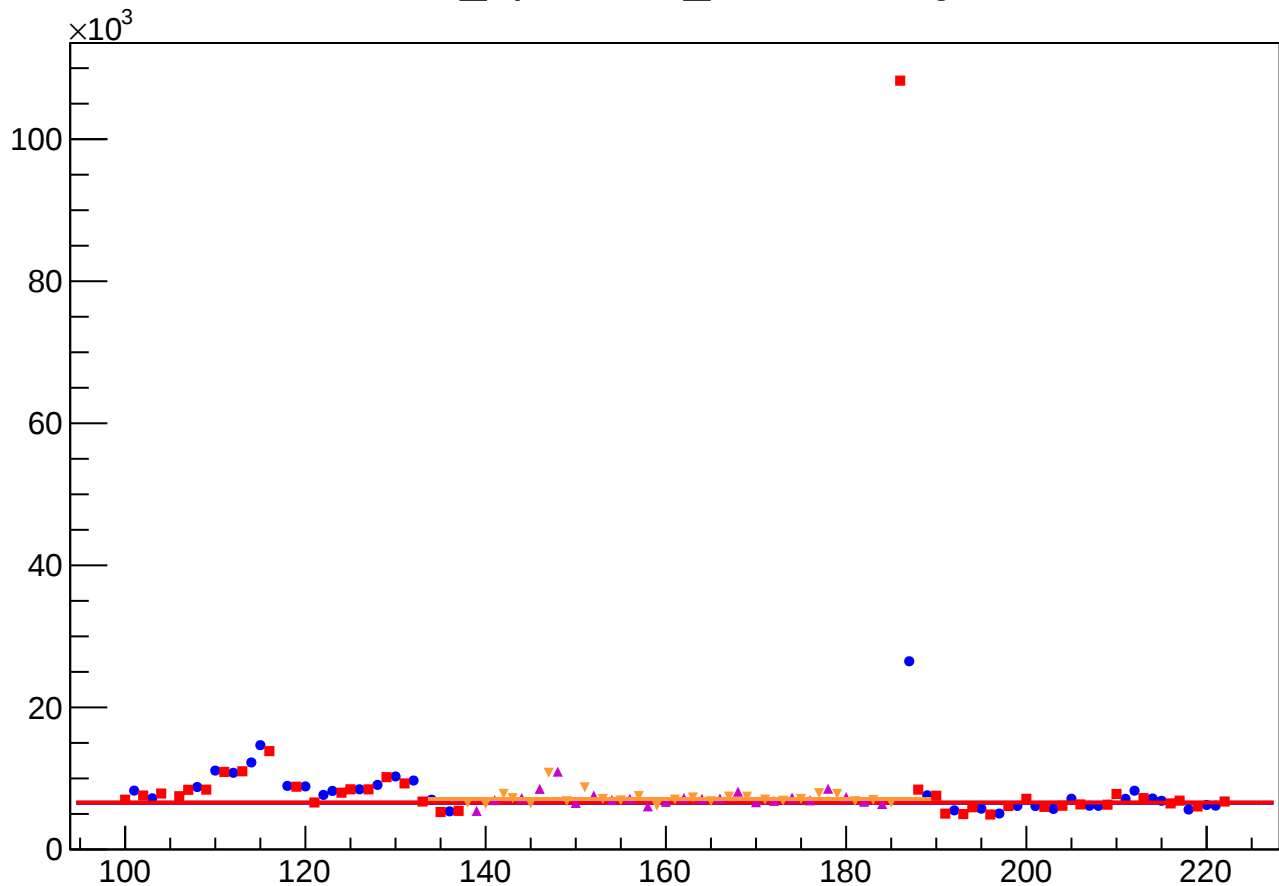
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.526 ± 1.128 χ^2/NDF : 52.9/59

All: 3.703 ± 0.799 χ^2/NDF : 165.1/120

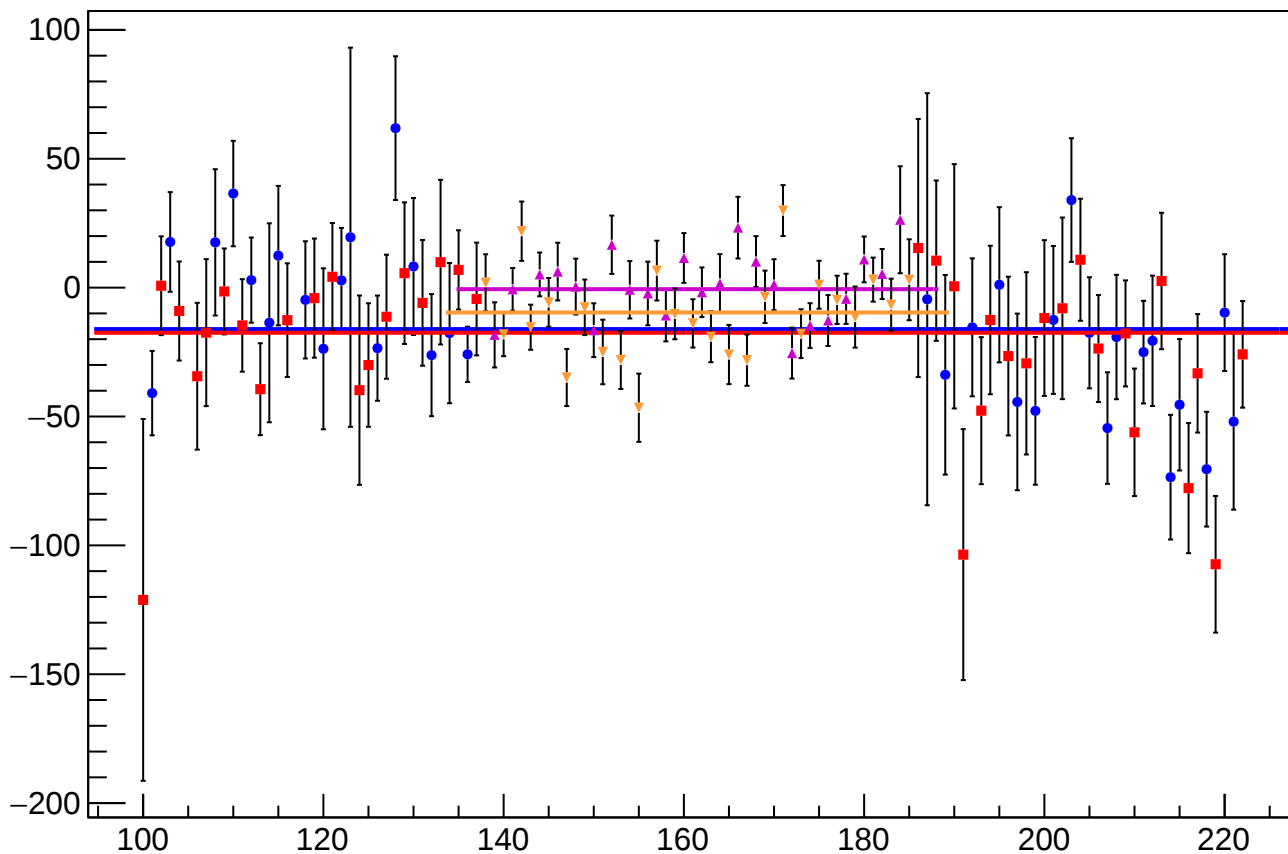
- sign 4.889 ± 1.133 χ^2/NDF : 110.0/60

diff_bpm4acY_rms vs Slug



Right In: 6563.908 $\pm$ 1.084 χ^2/NDF : 1672608.9/34 + sign 6809.084 $\pm$ 0.798 χ^2/NDF : 2166769.1/59
 Left Out: 7098.726 $\pm$ 1.178 χ^2/NDF : 382550.4/24 All: 6803.926 $\pm$ 0.565 χ^2/NDF : 4947928.1/12
 Right Out: 6611.438 $\pm$ 1.074 χ^2/NDF : 2171445.2/37 - sign 6798.726 $\pm$ 0.801 χ^2/NDF : 2781075.1/60
 Left In: 7033.702 $\pm$ 1.203 χ^2/NDF : 541035.5/22

diff_bpm4ecX_mean vs Slug



Right In: -16.082 ± 3.930 χ^2/NDF : 51.4/34

Left Out: -9.640 ± 2.057 χ^2/NDF : 57.6/24

Right Out: -17.502 ± 3.955 χ^2/NDF : 41.1/37

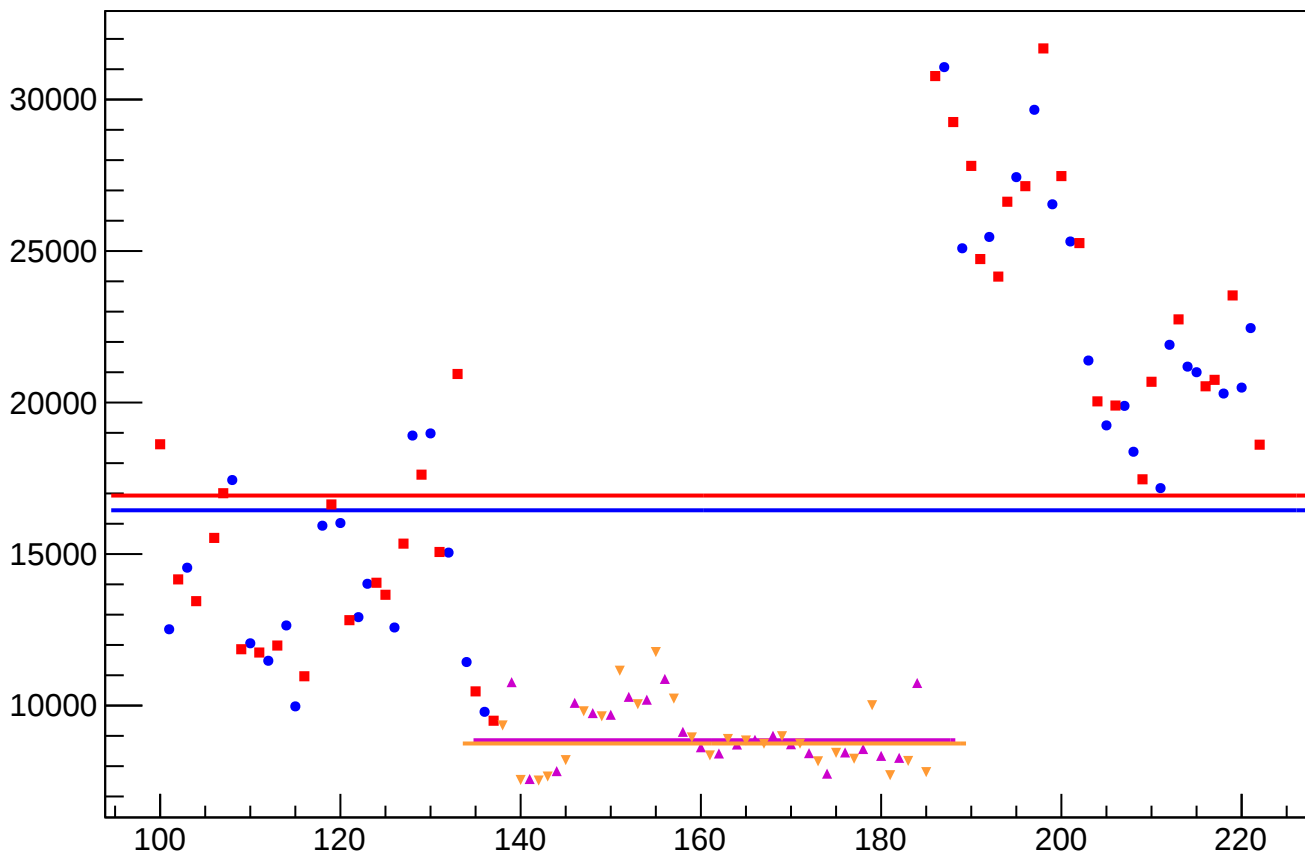
Left In: -0.599 ± 2.135 χ^2/NDF : 29.7/22

+ sign -11.026 ± 1.823 χ^2/NDF : 111.1/59

All: -7.820 ± 1.308 χ^2/NDF : 202.4/120

- sign -4.413 ± 1.879 χ^2/NDF : 84.9/60

diff_bpm4ecX_rms vs Slug



Right In: 16444.347+/-2.779 χ^2/NDF : 3560668.5/34

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 16930.931+/-2.797 χ^2/NDF : 3885291.4/37

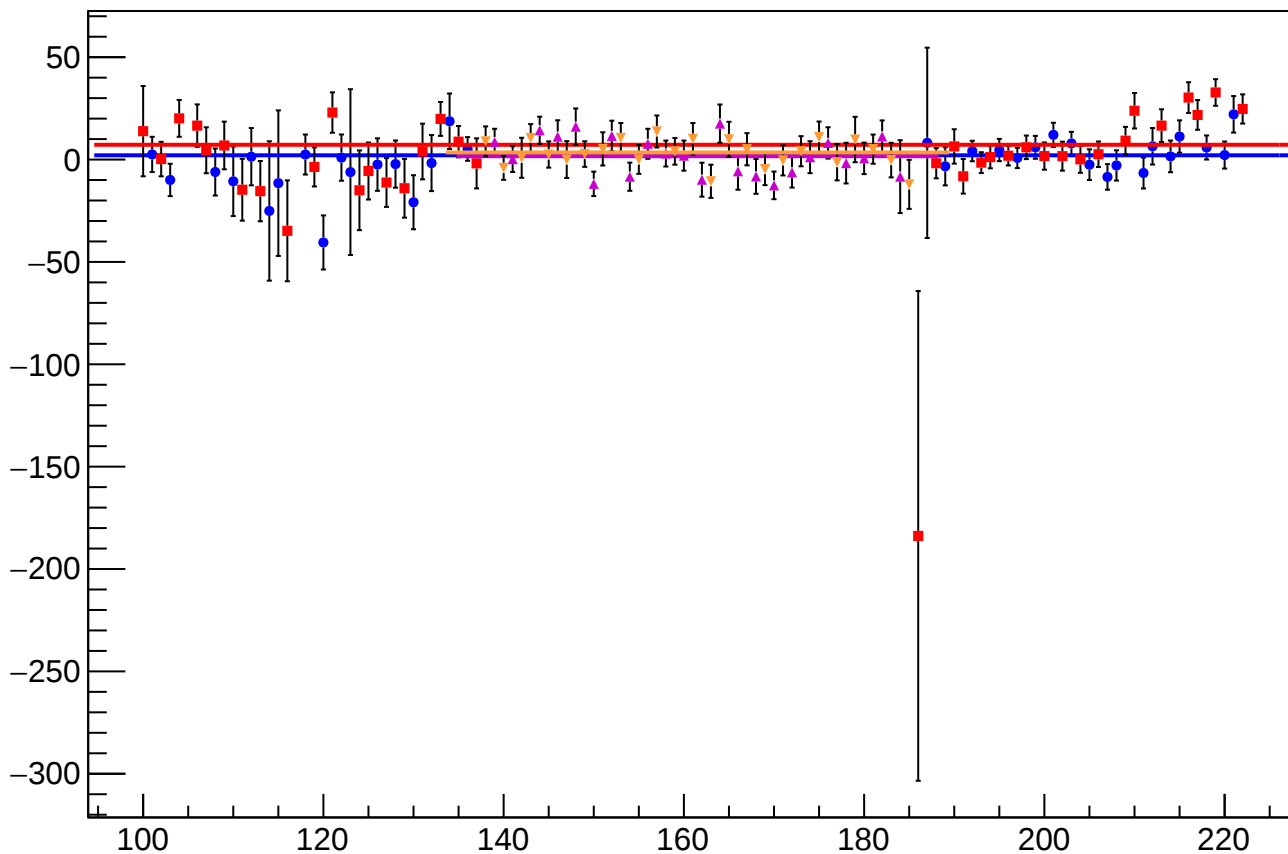
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 10403.931+/-1.289 χ^2/NDF : 10044775.5/59

All: 10536.715+/-0.925 χ^2/NDF : 20775783.1

- sign 10677.808+/-1.328 χ^2/NDF : 10709112.5/60

diff_bpm4ecY_mean vs Slug



Right In: 2.082 ± 1.362 χ^2/NDF : 37.0/34

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 7.218 ± 1.331 χ^2/NDF : 80.6/37

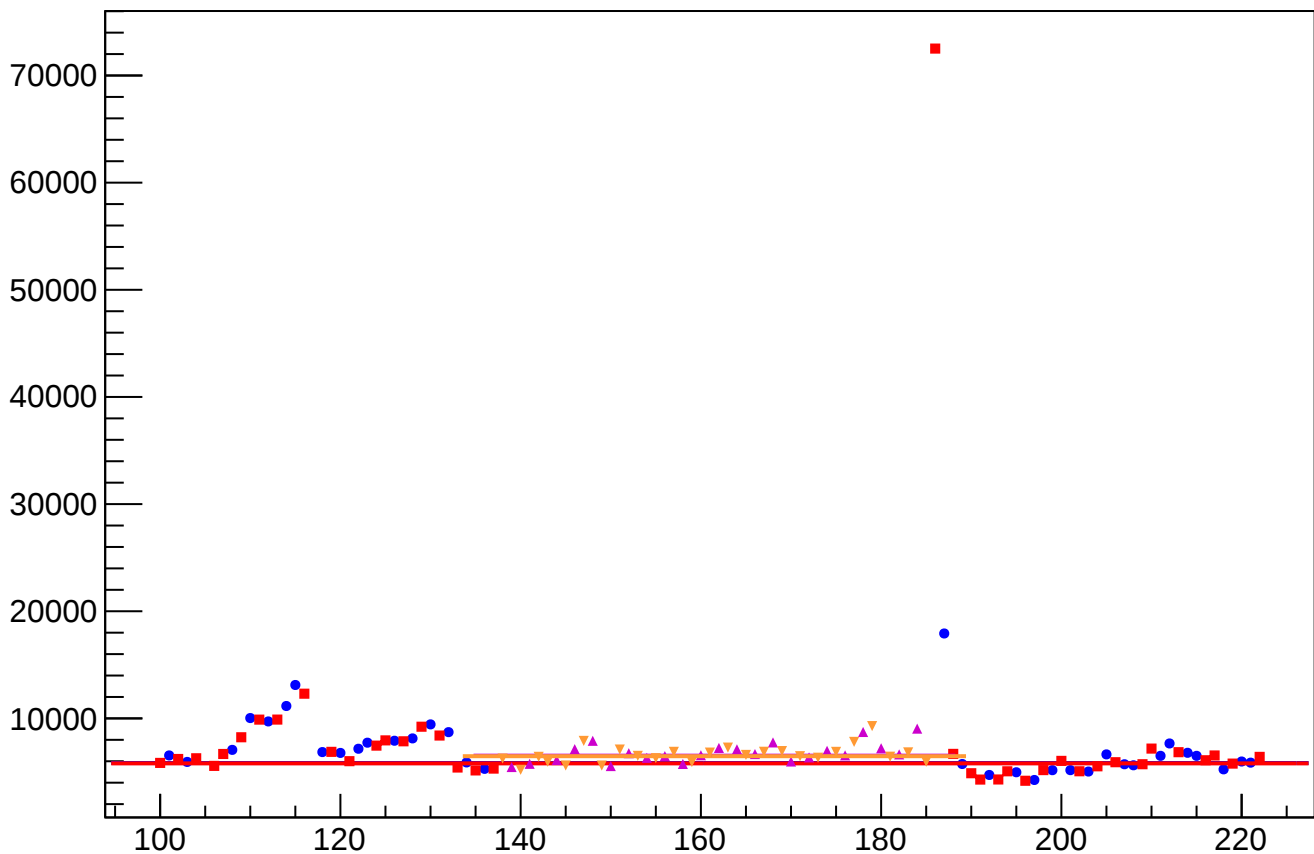
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.700 ± 1.016 χ^2/NDF : 53.2/59

All: 3.797 ± 0.719 χ^2/NDF : 177.2/120

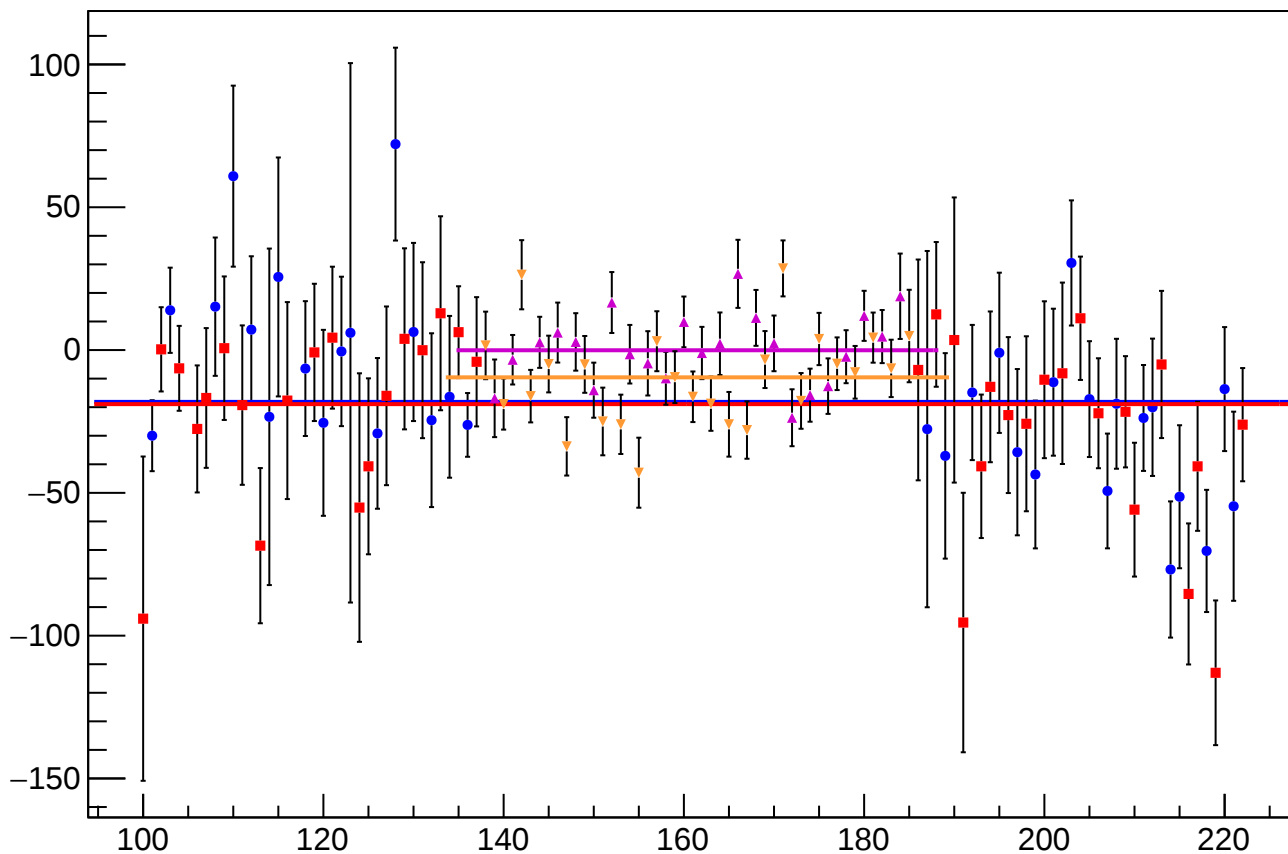
- sign 4.898 ± 1.018 χ^2/NDF : 121.7/60

diff_bpm4ecY_rms vs Slug



Right In: 5835.124+/-0.963	χ^2/NDF : 1669942.9/34	+ sign 6117.868+/-0.718	χ^2/NDF : 2354343.1/59
Left Out: 6471.976+/-1.078	χ^2/NDF : 490282.9/24	All: 6109.949+/-0.508	χ^2/NDF : 5342943.8/12
Right Out: 5803.013+/-0.941	χ^2/NDF : 2265766.3/37	- sign 6102.000+/-0.720	χ^2/NDF : 2988357.1/60
Left In: 6521.975+/-1.116	χ^2/NDF : 480034.7/22		

diff_bpm1X_mean vs Slug



Right In: -18.150 ± 3.939 $\chi^2/\text{NDF}: 49.6/34$

Left Out: -9.554 ± 2.012 $\chi^2/\text{NDF}: 59.5/24$

Right Out: -18.935 ± 4.010 $\chi^2/\text{NDF}: 48.1/37$

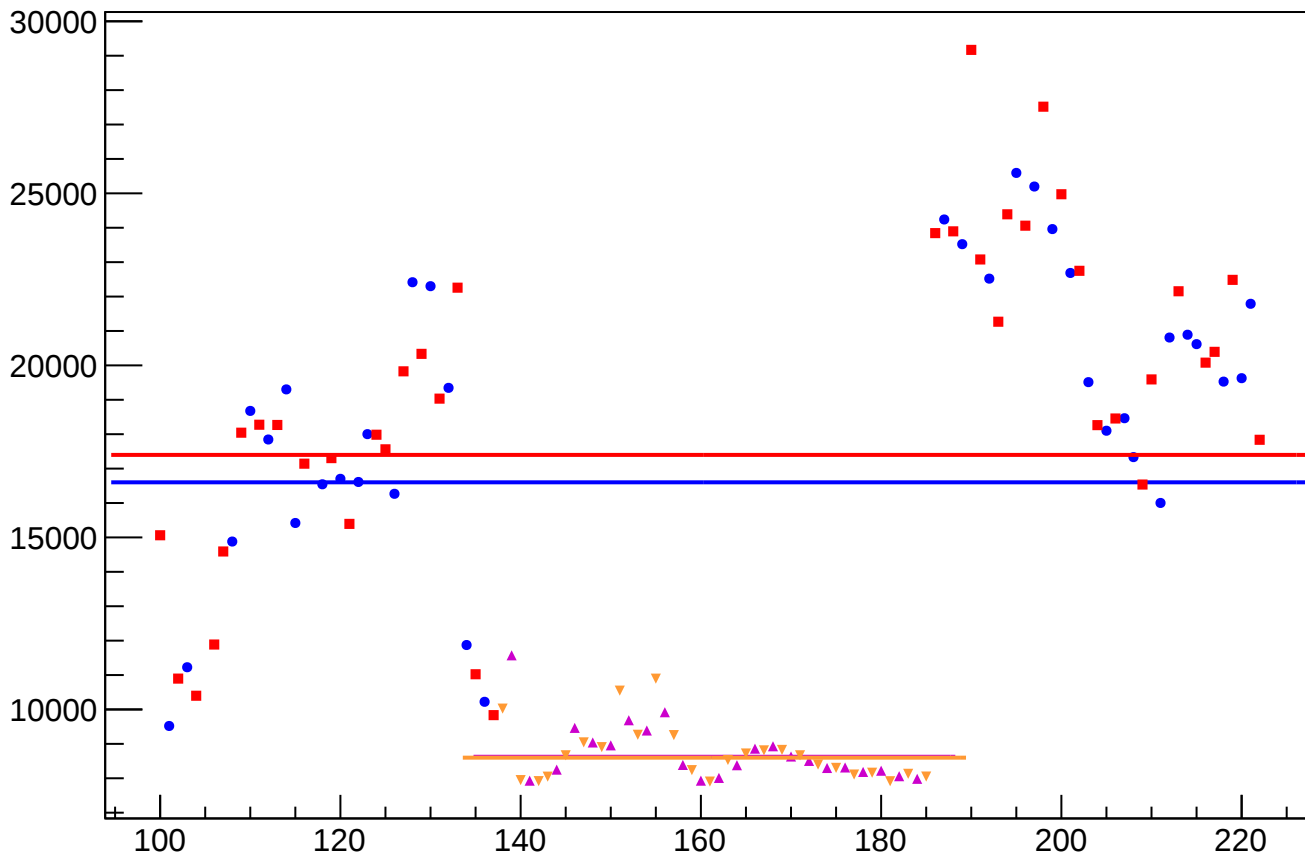
Left In: -0.072 ± 2.073 $\chi^2/\text{NDF}: 29.8/22$

+ sign -11.333 ± 1.792 $\chi^2/\text{NDF}: 112.9/59$

All: -7.790 ± 1.284 $\chi^2/\text{NDF}: 216.3/120$

- sign -4.048 ± 1.841 $\chi^2/\text{NDF}: 95.3/60$

diff_bpm1X_rms vs Slug



Right In: 16601.277 $\pm$ 2.785 χ^2 /NDF: 3044340.9/34

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 17398.120 $\pm$ 2.836 χ^2 /NDF: 2920291.1/37

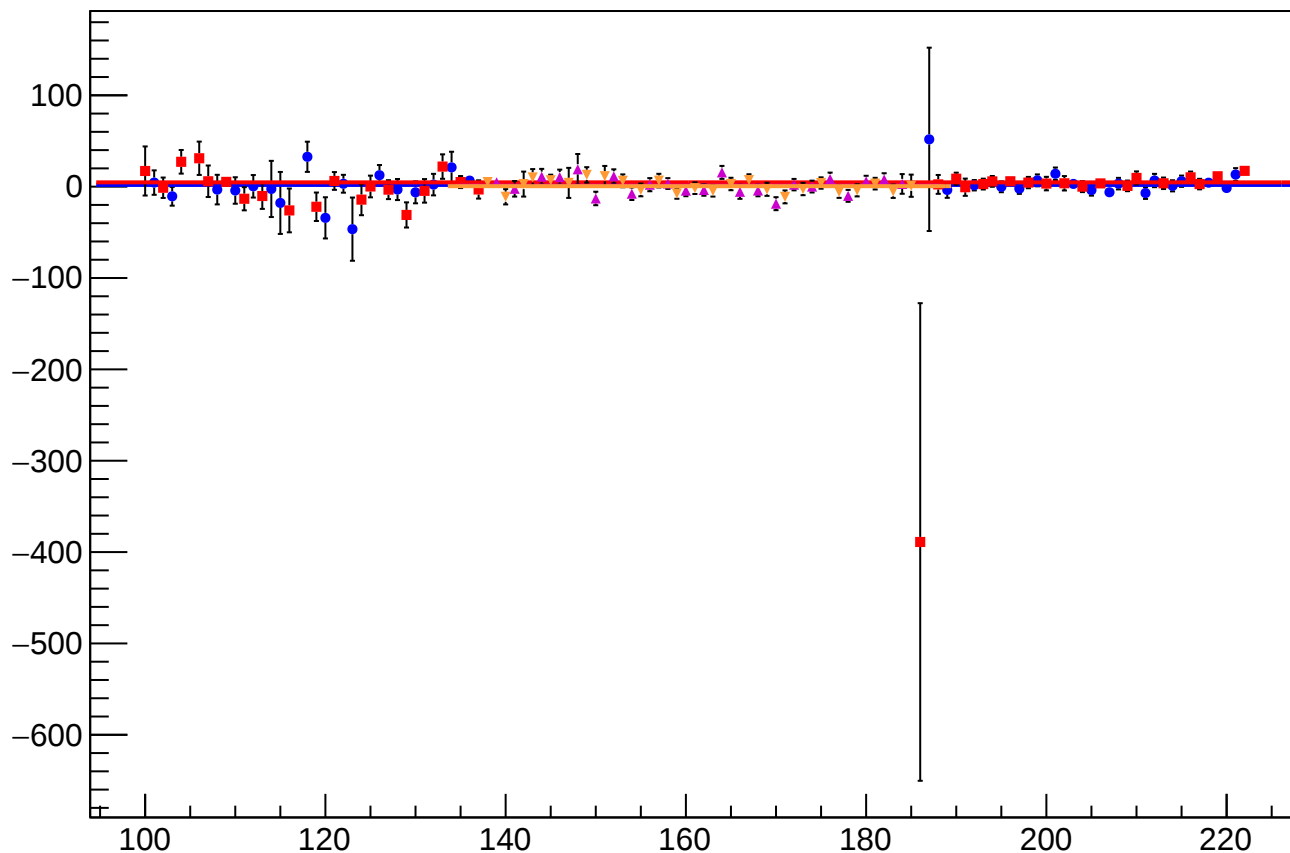
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 10254.761 $\pm$ 1.267 χ^2 /NDF: 9841190.4/59

All: 10361.714 $\pm$ 0.908 χ^2 /NDF: 20566640.6

- sign 10474.690 $\pm$ 1.302 χ^2 /NDF: 10710793.6/60

diff_bpm1Y_mean vs Slug



Right In: 1.887 $\pm$ 1.302 χ^2 /NDF: 28.6/34

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 4.707 $\pm$ 1.258 χ^2 /NDF: 37.5/37

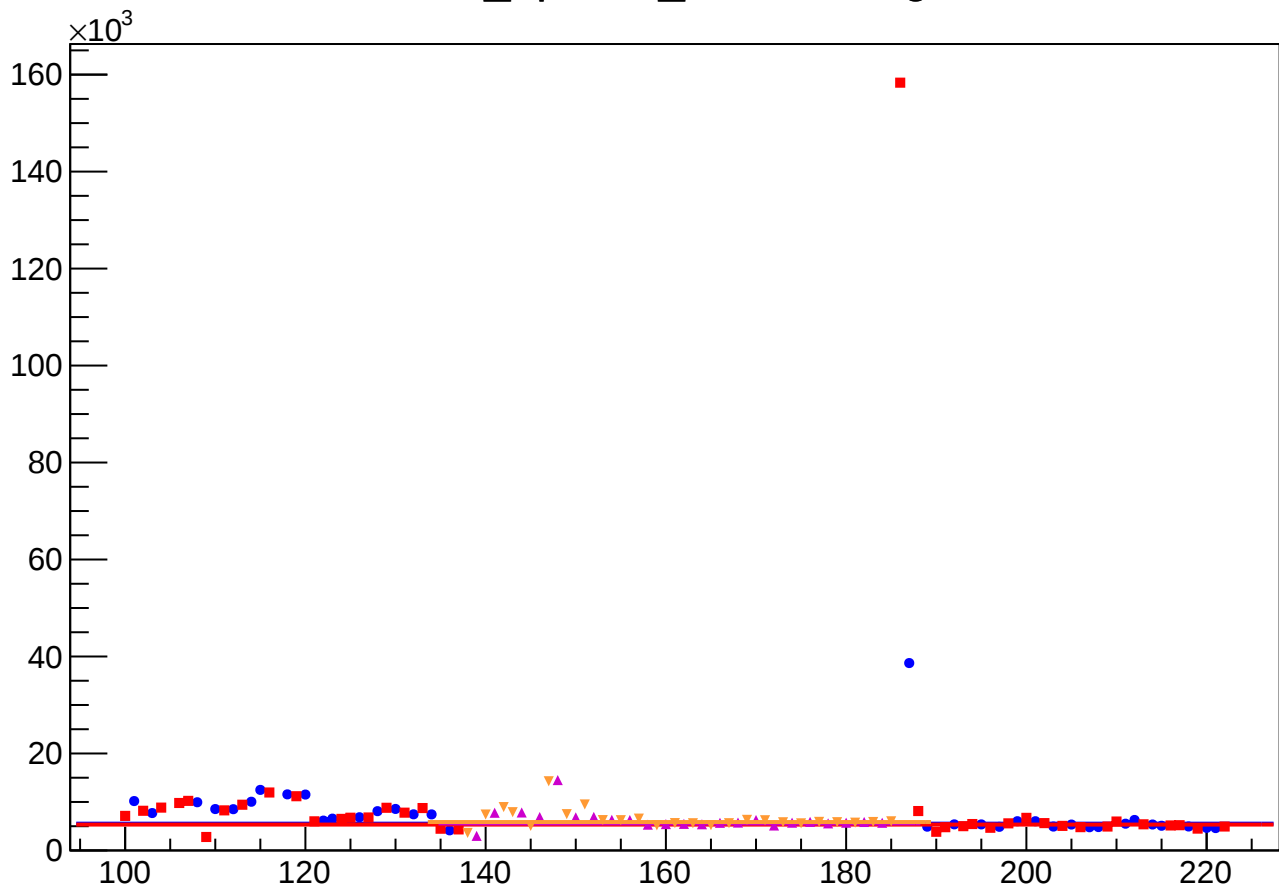
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 1.265 $\pm$ 0.959 χ^2 /NDF: 48.6/59

All: 2.190 $\pm$ 0.669 χ^2 /NDF: 124.2/120

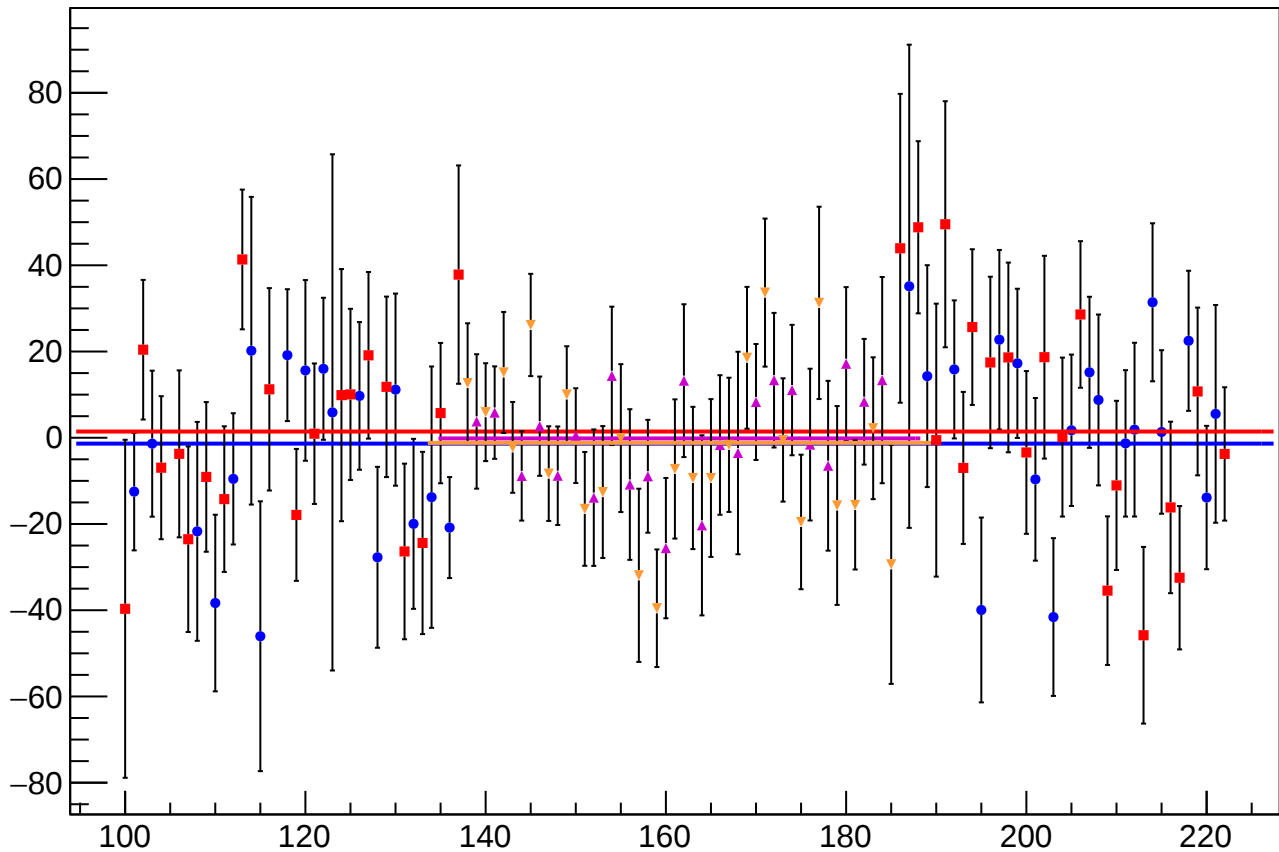
- sign 3.068 $\pm$ 0.934 χ^2 /NDF: 73.8/60

diff_bpm1Y_rms vs Slug



Right In: 5526.496 ± 0.920 $\chi^2/\text{NDF}: 2269642.6/34$ + sign 5679.325 ± 0.678 $\chi^2/\text{NDF}: 4019968.3/59$
 Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$ All: 5557.835 ± 0.473 $\chi^2/\text{NDF}: 9817285.1/12$
 Right Out: 5337.754 ± 0.889 $\chi^2/\text{NDF}: 3541007.0/37$ - sign 5442.457 ± 0.661 $\chi^2/\text{NDF}: 5734707.3/60$
 Left In: 5571.330 ± 0.987 $\chi^2/\text{NDF}: 2162788.3/22$

diff_bpm11X_mean vs Slug



Right In: -1.360 ± 3.208 χ^2/NDF : 36.9/34

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 1.442 ± 3.150 χ^2/NDF : 52.0/37

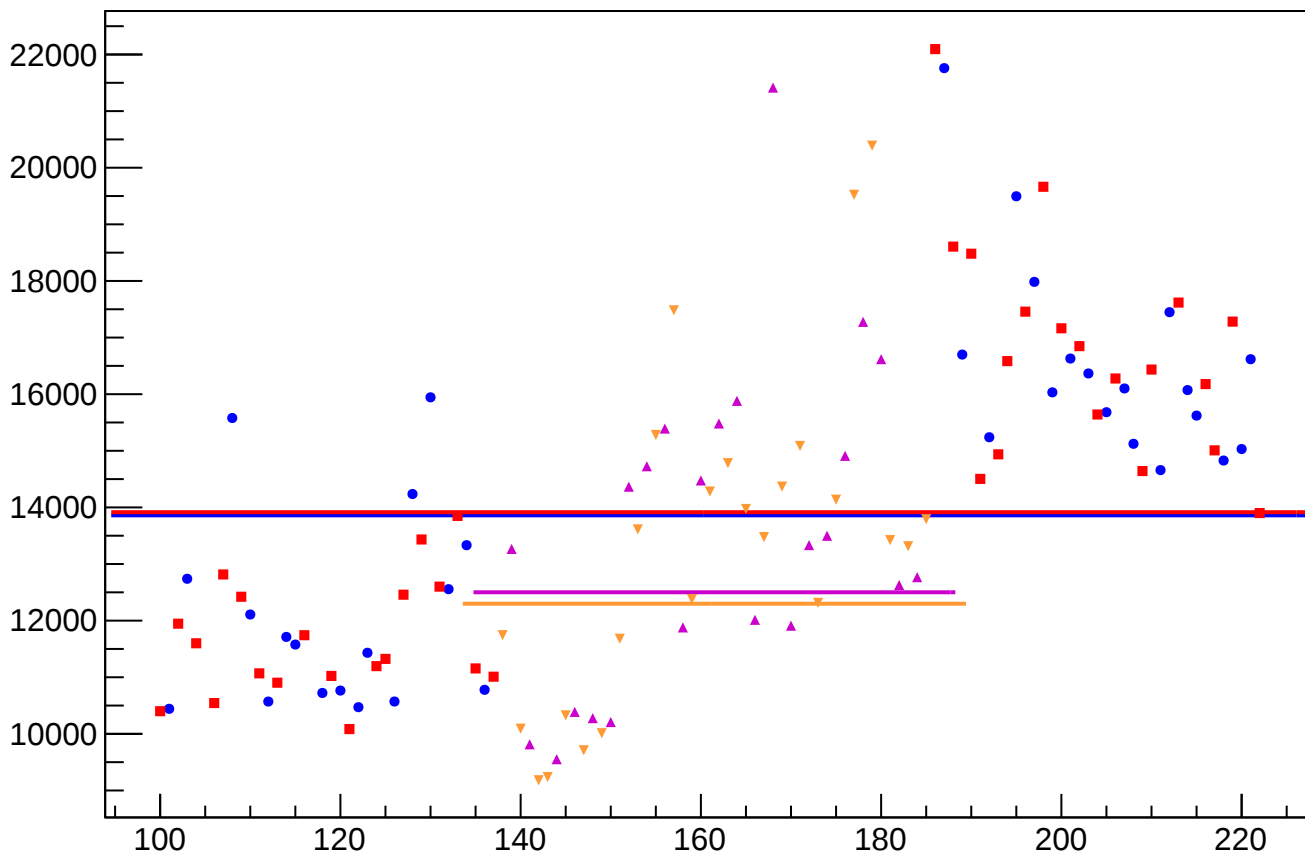
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -1.263 ± 2.167 χ^2/NDF : 70.6/59

All: -0.334 ± 1.542 χ^2/NDF : 134.6/120

- sign 0.619 ± 2.194 χ^2/NDF : 63.6/60

diff_bpm11X_rms vs Slug



Right In: 13860.056+/-2.268 χ^2/NDF : 1350699.8/34

Left Out: 12298.676+/-2.078 χ^2/NDF :1506026.8/24

Right Out: 13915.288+/-2.227 χ^2/NDF : 1496895.4/37

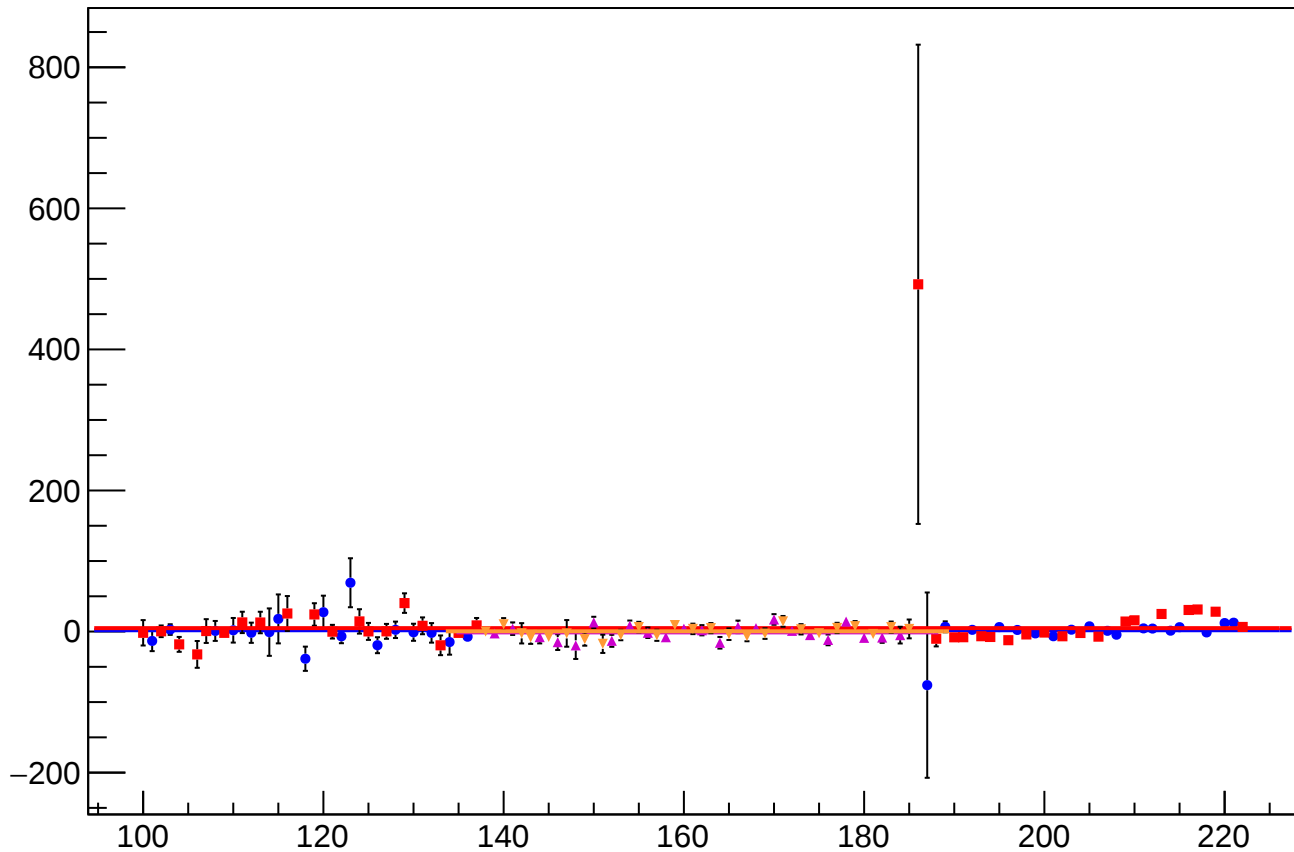
Left In: 12500.795+/-2.162 χ^2/NDF :1357889.1/22

+ sign 13011.133+/-1.532 χ^2/NDF : 3114324.8/59

All: 13098.057+/-1.090 χ^2/NDF : 6183263.7/1

- sign 13187.165+/-1.551 χ^2/NDF : 3062421.8/60

diff_bpm11Y_mean vs Slug



Right In: 1.864 ± 1.084 χ^2/NDF : 38.2/34

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 4.843 ± 1.085 χ^2/NDF : 179.8/37

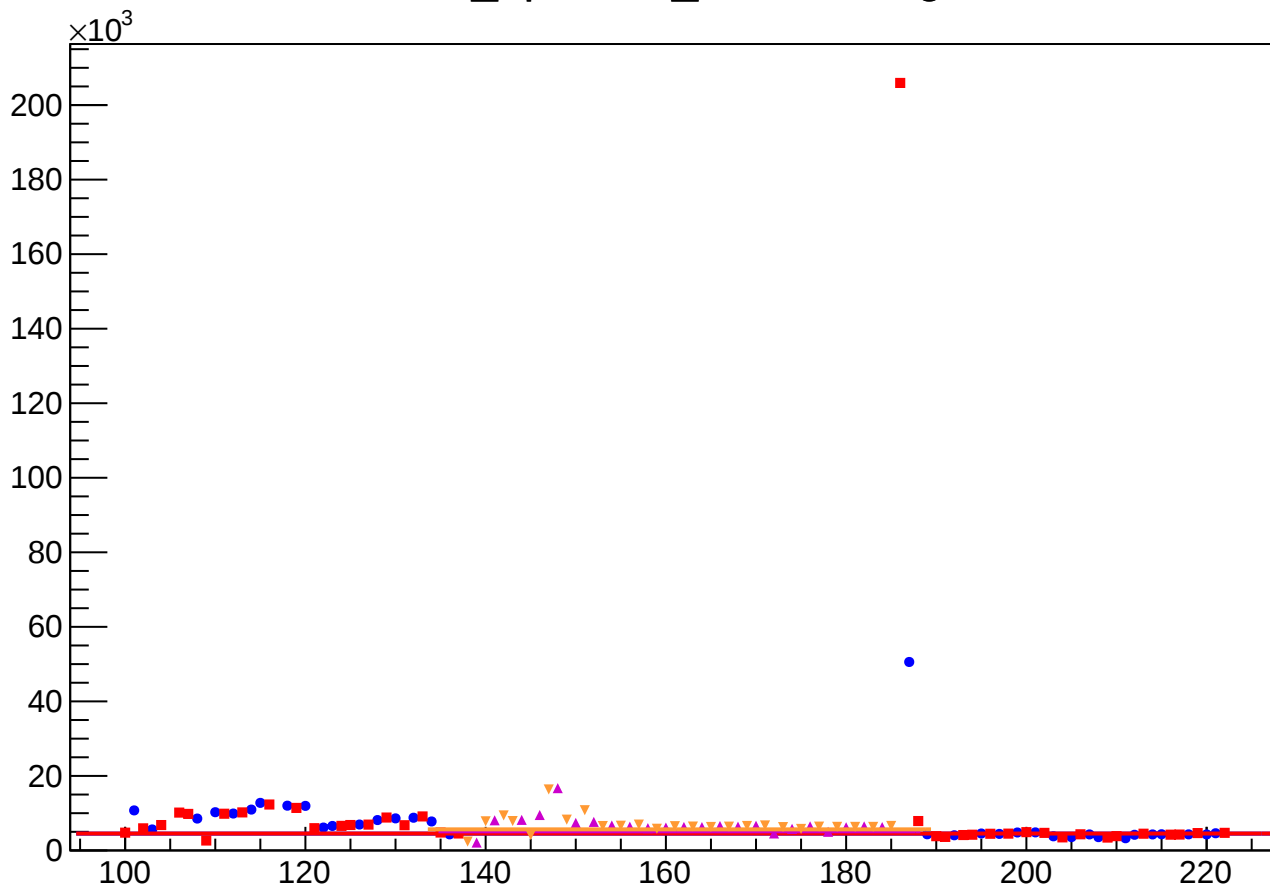
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 1.314 ± 0.865 χ^2/NDF : 58.0/59

All: 1.933 ± 0.606 χ^2/NDF : 284.2/120

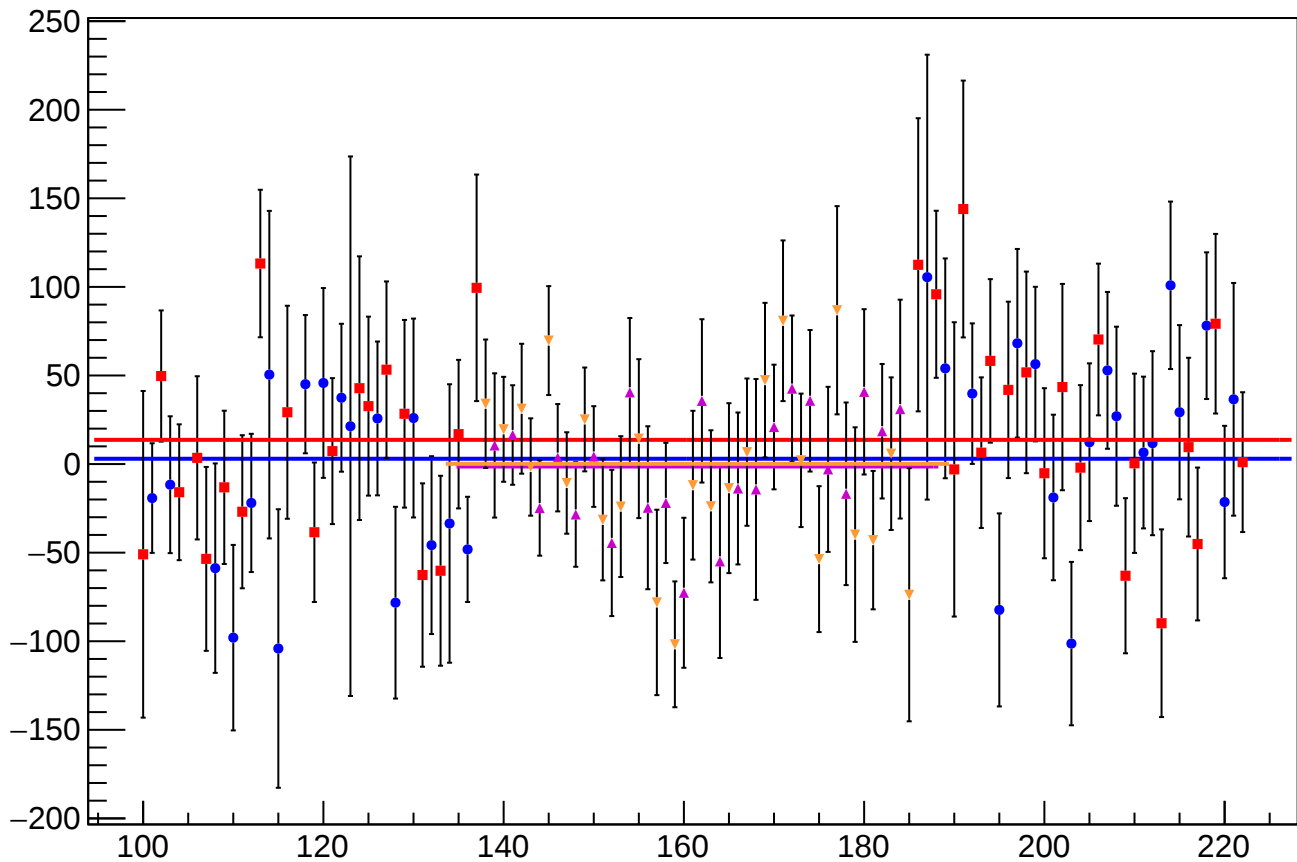
- sign 2.531 ± 0.851 χ^2/NDF : 225.2/60

diff_bpm11Y_rms vs Slug



Right In: 4515.417 ± 0.767 $\chi^2/\text{NDF}: 3453124.7/34$ + sign 4931.728 ± 0.611 $\chi^2/\text{NDF}: 8392092.1/59$
 Left Out: 5659.441 ± 1.014 $\chi^2/\text{NDF}: 4128583.6/24$ All: 4849.364 ± 0.429 $\chi^2/\text{NDF}: 18134285.0/100$
 Right Out: 4539.417 ± 0.767 $\chi^2/\text{NDF}: 3976633.4/37$ - sign 4769.649 ± 0.602 $\chi^2/\text{NDF}: 9706484.1/60$
 Left In: 5137.772 ± 0.970 $\chi^2/\text{NDF}: 5495609.7/22$

diff_bpm12X_mean vs Slug



Right In: 2.999 ± 8.045 $\chi^2/\text{NDF}: 40.3/34$

Left Out: 0.143 ± 7.683 $\chi^2/\text{NDF}: 31.3/24$

Right Out: 13.668 ± 7.899 $\chi^2/\text{NDF}: 41.8/37$

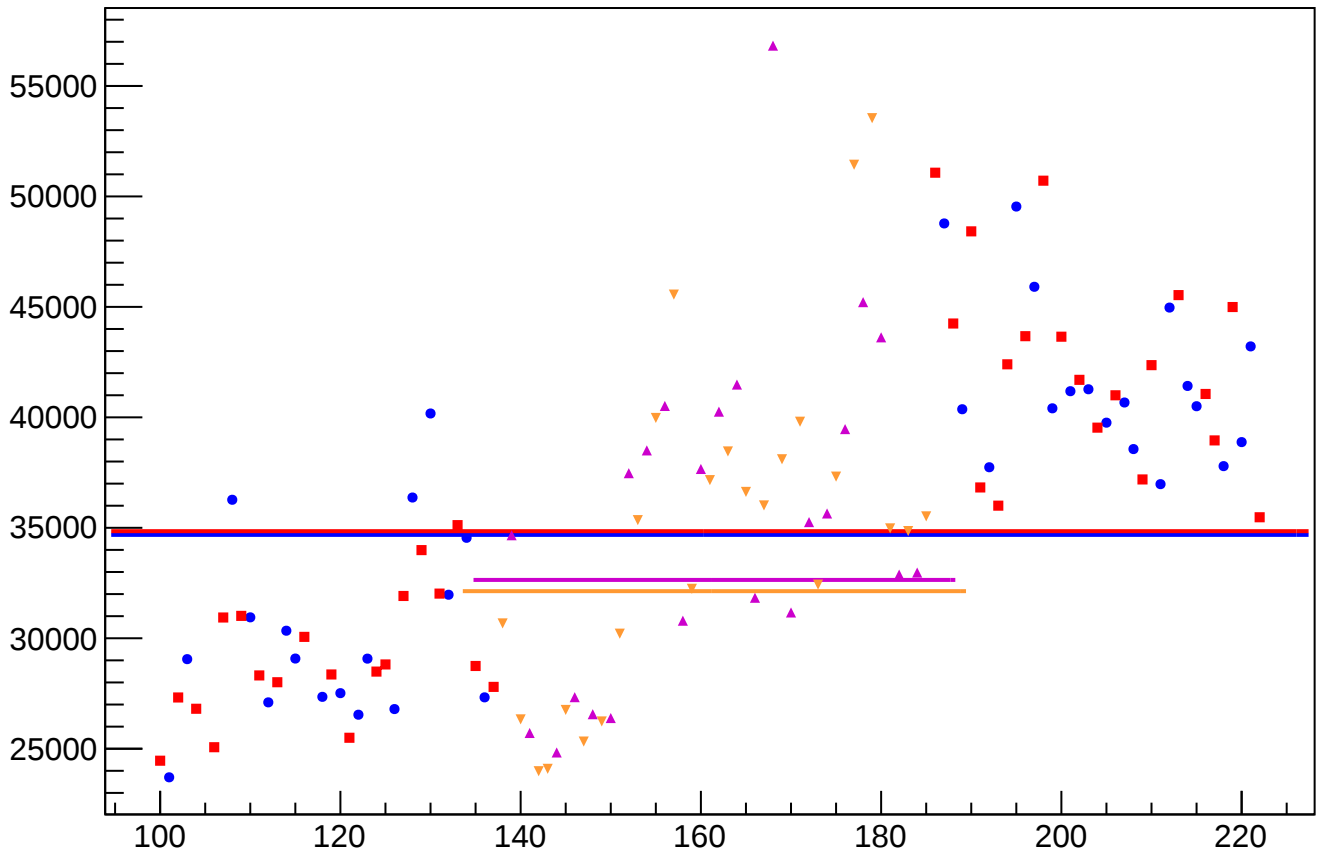
Left In: -1.374 ± 7.990 $\chi^2/\text{NDF}: 13.3/22$

+ sign 1.505 ± 5.556 $\chi^2/\text{NDF}: 71.7/59$

All: 3.844 ± 3.950 $\chi^2/\text{NDF}: 128.9/120$

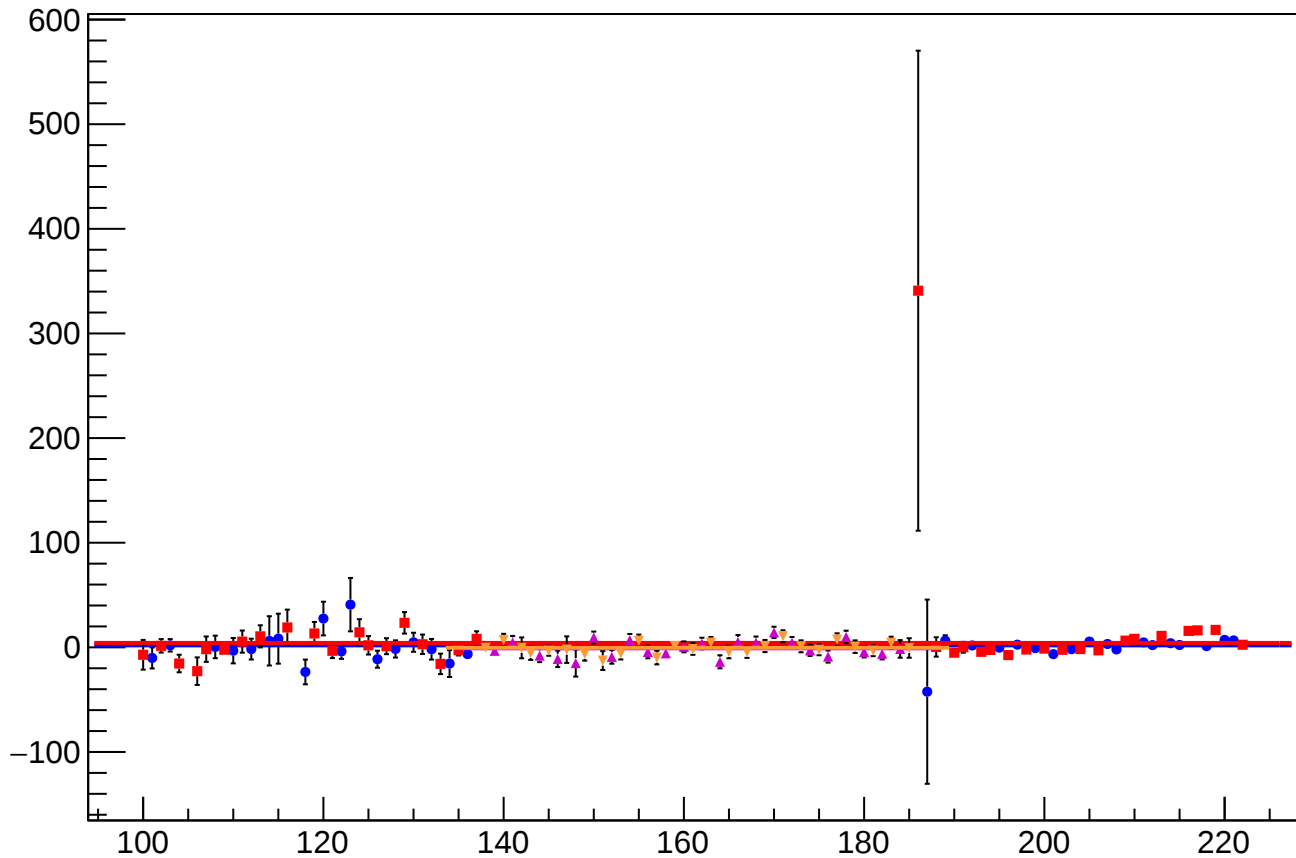
- sign 6.234 ± 5.617 $\chi^2/\text{NDF}: 56.9/60$

diff_bpm12X_rms vs Slug



Right In: 34680.321+/-5.689	χ^2/NDF : 1494145.0/34	+ sign 33347.704+/-3.929	χ^2/NDF : 3139143.4/59
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 33550.230+/-2.793	χ^2/NDF : 6231579.6/1
Right Out: 34847.835+/-5.585	χ^2/NDF : 1607752.2/37	- sign 33757.217+/-3.972	χ^2/NDF : 3087063.6/60
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: 1.901 ± 0.612 χ^2/NDF : 48.9/34

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 4.223 ± 0.639 χ^2/NDF : 170.6/37

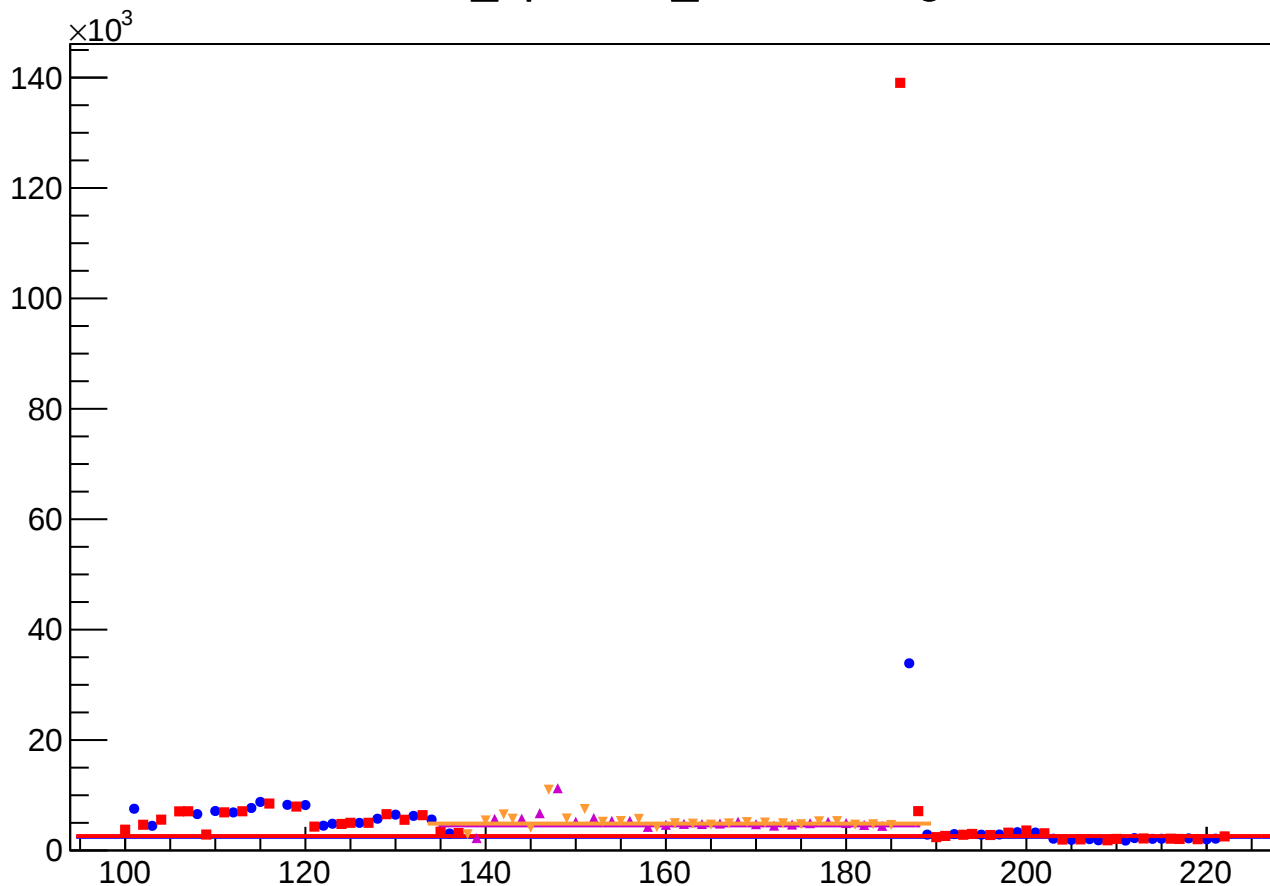
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign 1.426 ± 0.543 χ^2/NDF : 69.3/59

All: 2.192 ± 0.389 χ^2/NDF : 295.6/120

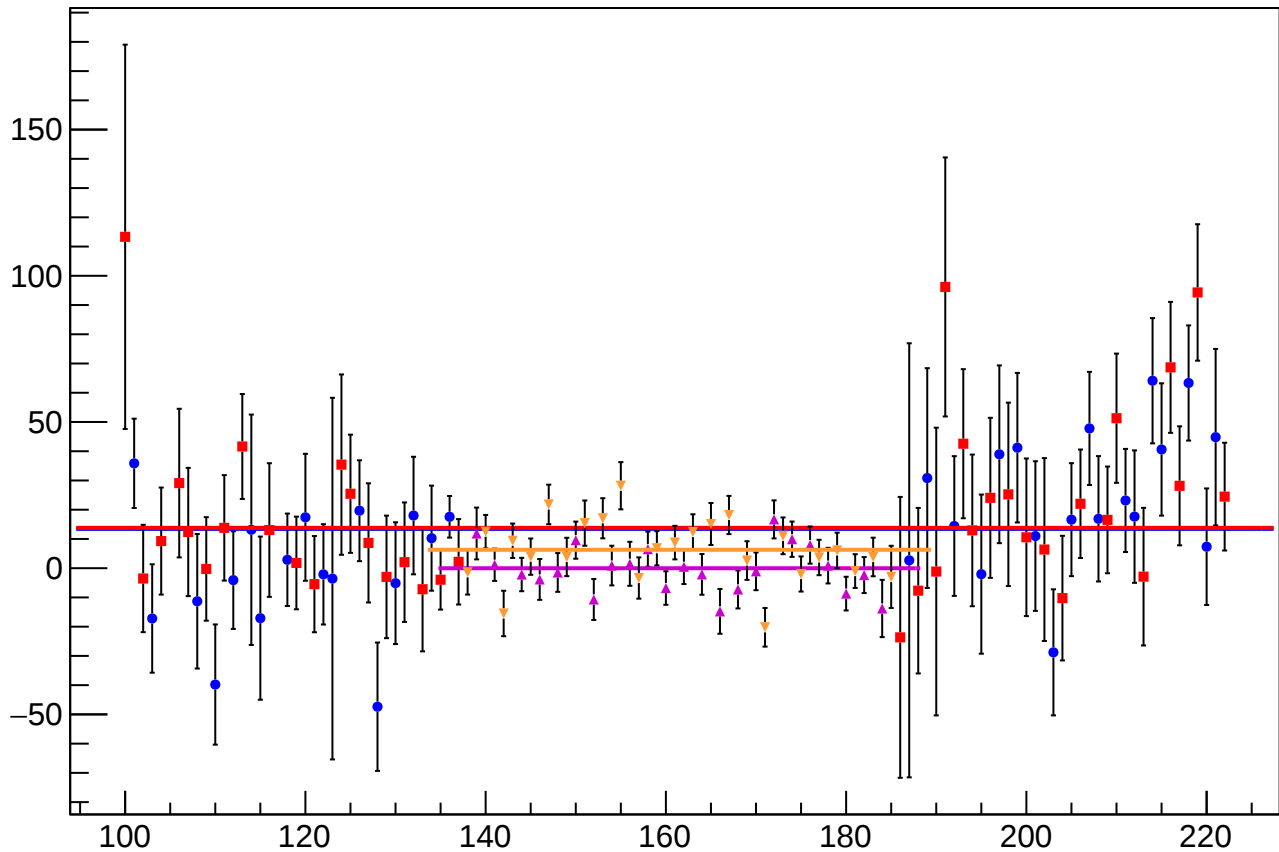
- sign 3.001 ± 0.557 χ^2/NDF : 222.2/60

diff_bpm12Y_rms vs Slug



Right In: 2468.948 ± 0.433 $\chi^2/\text{NDF}: 5669357.9/34$ + sign 2983.808 ± 0.384 $\chi^2/\text{NDF}: 13769373.2/59$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 3023.695 ± 0.275 $\chi^2/\text{NDF}: 27032860.3/37$
 Right Out: 2603.423 ± 0.452 $\chi^2/\text{NDF}: 6207499.8/37$ - sign 3065.779 ± 0.394 $\chi^2/\text{NDF}: 13241286.4/60$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 13.450 ± 3.277 χ^2/NDF : 49.9/34

Left Out: 6.296 ± 1.310 χ^2/NDF : 56.5/24

Right Out: 13.802 ± 3.383 χ^2/NDF : 45.0/37

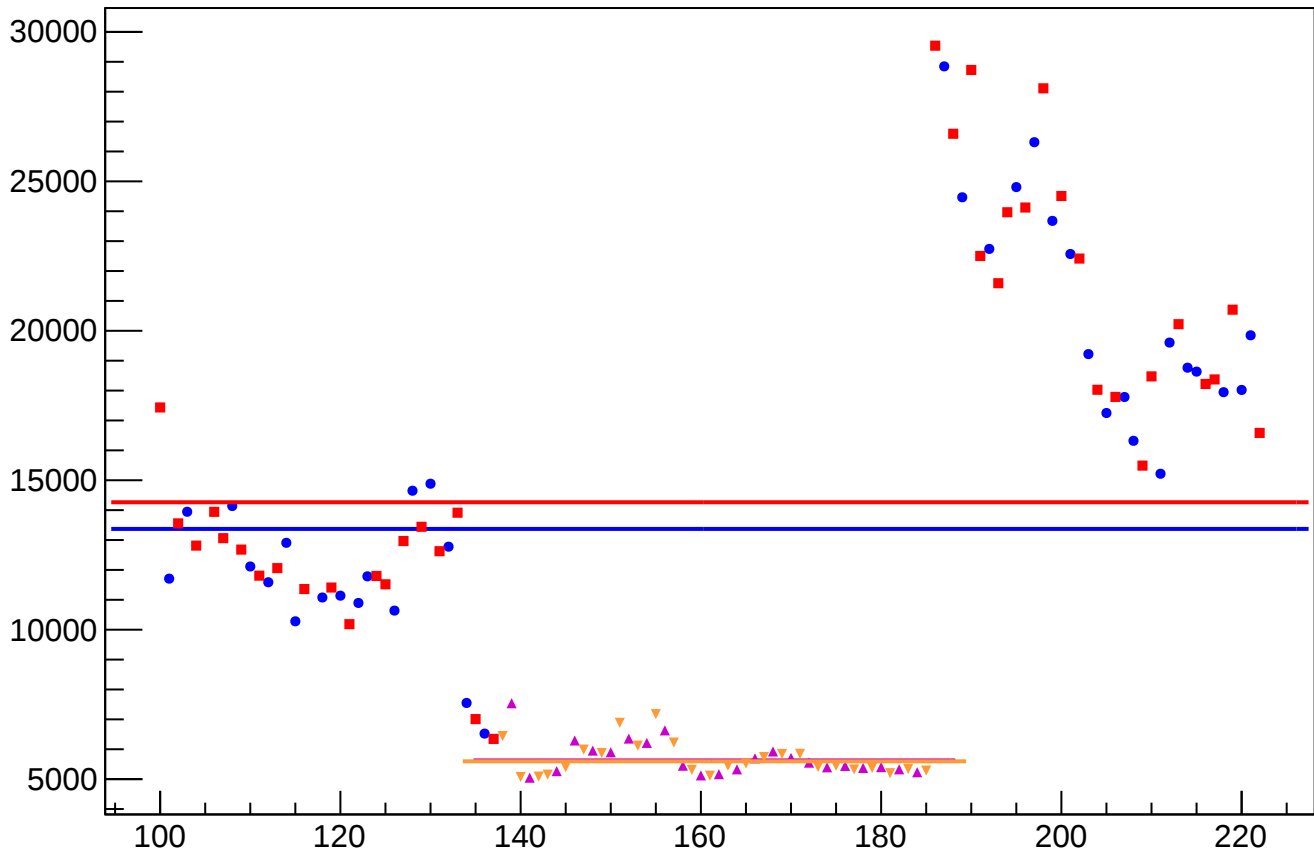
Left In: -0.020 ± 1.353 χ^2/NDF : 29.9/22

+ sign 7.282 ± 1.217 χ^2/NDF : 110.5/59

All: 4.671 ± 0.874 χ^2/NDF : 209.4/120

- sign -1.886 ± 1.256 χ^2/NDF : 89.4/60

diff_bpm16X_rms vs Slug



Right In: 13371.772 $\pm$ 2.317 χ^2 /NDF: 5276506.3/34

Left Out: 5596.370 $\pm$ 0.926 χ^2 /NDF: 283998.1/24

Right Out: 14263.637 $\pm$ 2.392 χ^2 /NDF: 5015360.5/37

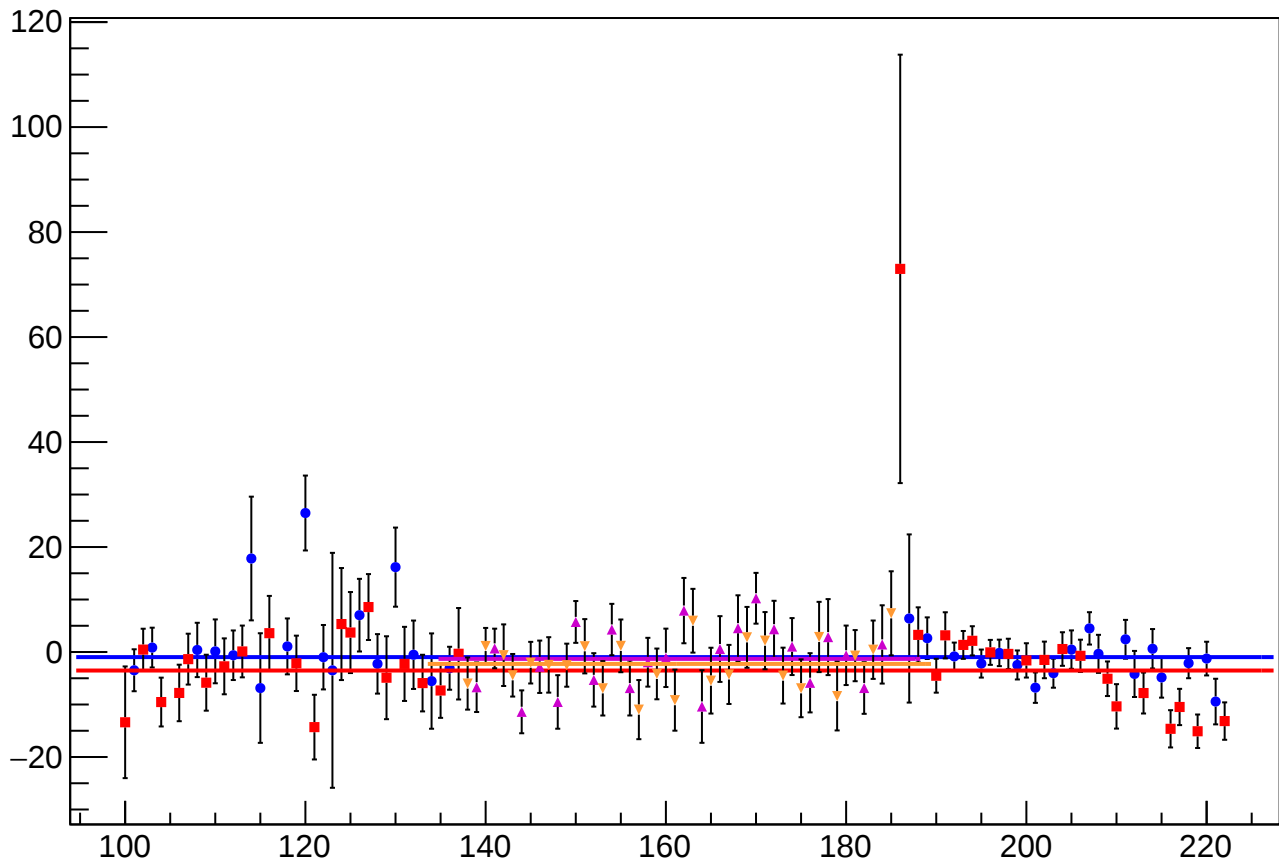
Left In: 5627.283 $\pm$ 0.957 χ^2 /NDF: 279318.7/22

+ sign 6668.040 $\pm$ 0.860 χ^2 /NDF: 15268953.6/59

All: 6740.713 $\pm$ 0.618 χ^2 /NDF: 31814079.9/1

- sign 6818.218 $\pm$ 0.888 χ^2 /NDF: 16530377.4/60

diff_bpm16Y_mean vs Slug



Right In: -0.970 ± 0.676 χ^2/NDF : 42.4/34

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -3.526 ± 0.667 χ^2/NDF : 75.4/37

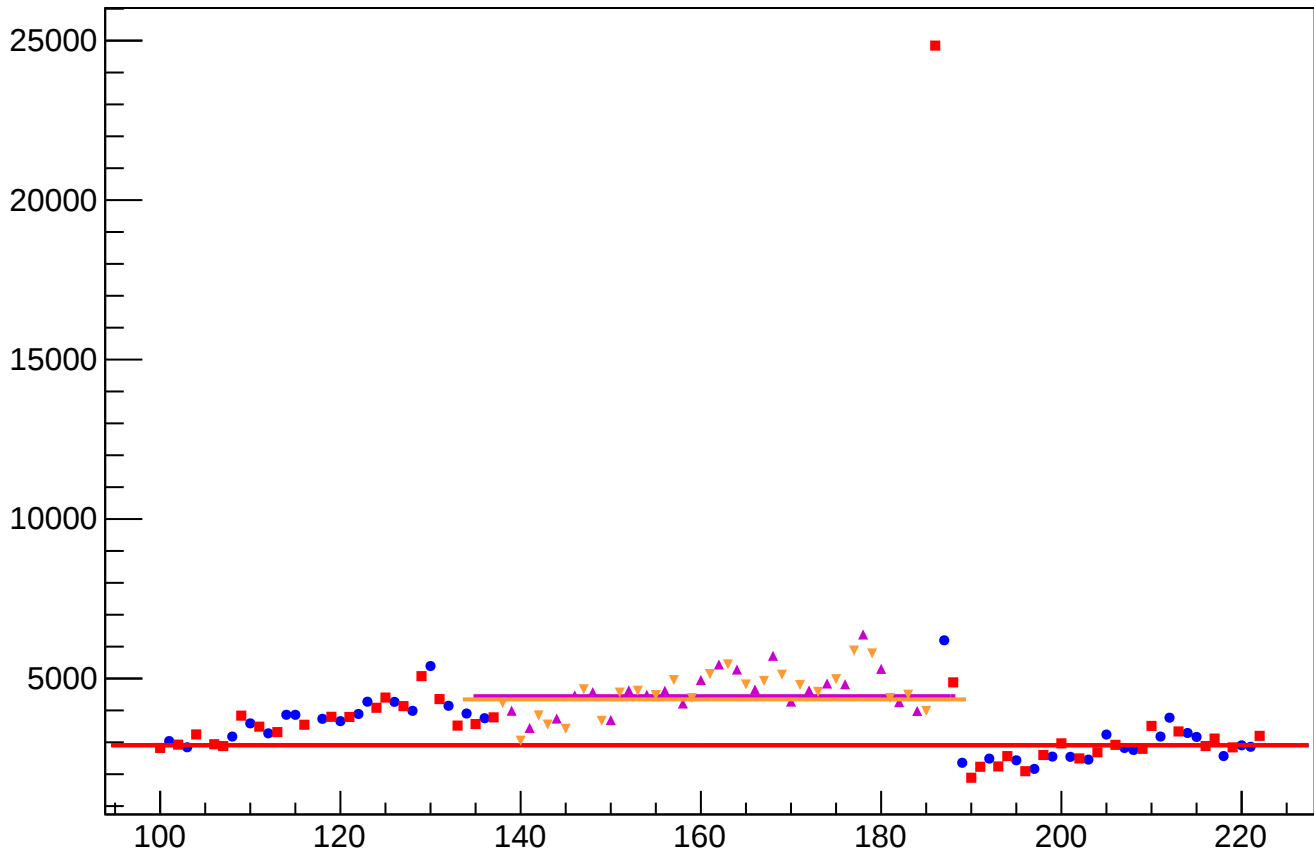
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.361 ± 0.565 χ^2/NDF : 58.9/59

All: -2.133 ± 0.400 χ^2/NDF : 171.9/120

- sign -2.910 ± 0.567 χ^2/NDF : 109.2/60

diff_bpm16Y_rms vs Slug



Right In: 2904.209+/-0.478 χ^2/NDF : 1449120.5/34

Left Out: 4345.381+/-0.728 χ^2/NDF : 1000636.1/24

Right Out: 2912.688+/-0.472 χ^2/NDF : 2360842.7/37

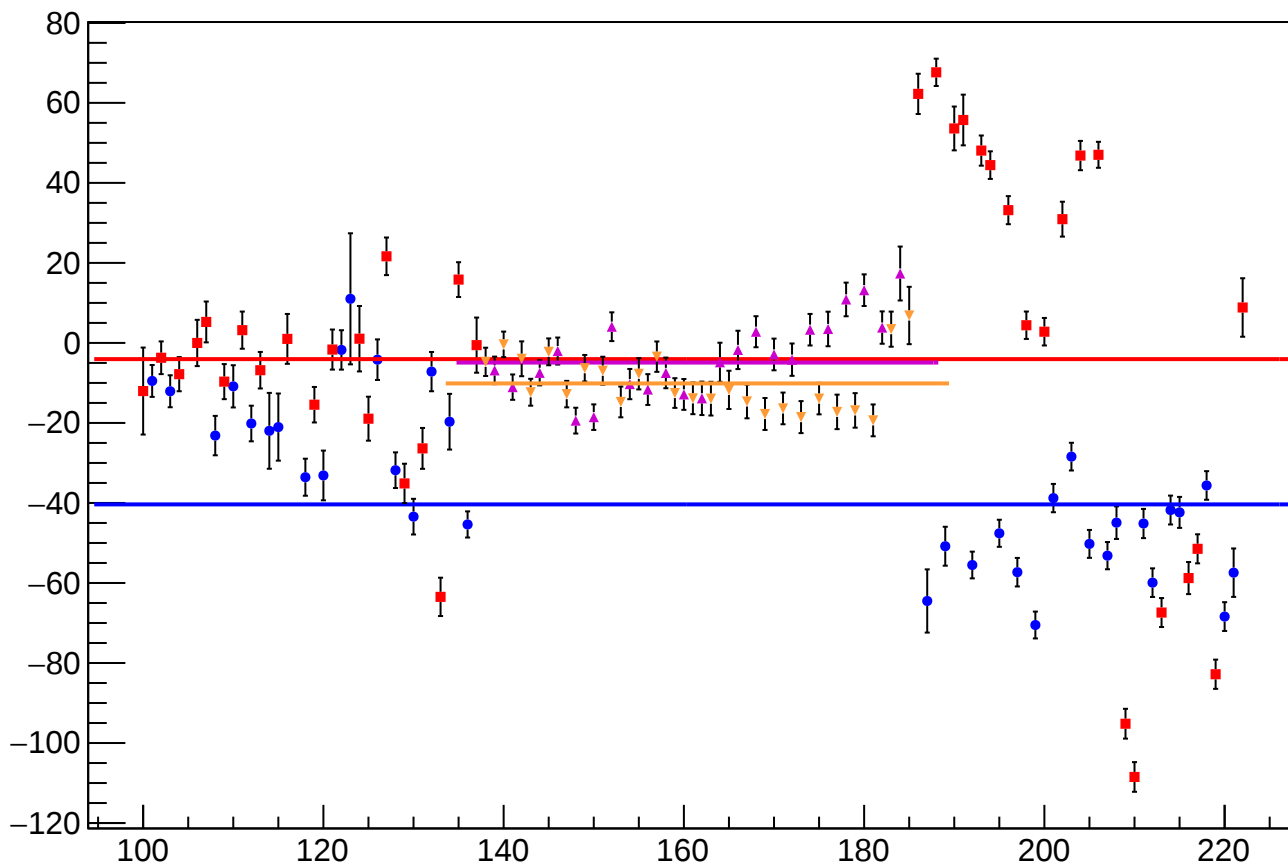
Left In: 4446.181+/-0.762 χ^2/NDF : 702797.6/22

+ sign 3338.548+/-0.400 χ^2/NDF : 5188198.8/59

All: 3338.245+/-0.283 χ^2/NDF : 11181863.8/100

- sign 3337.940+/-0.401 χ^2/NDF : 5993663.8/60

diff_bpm0l01X_mean vs Slug



Right In: -40.359 ± 0.713 χ^2/NDF : 650.3/34

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: -4.048 ± 0.706 χ^2/NDF : 4640.9/37

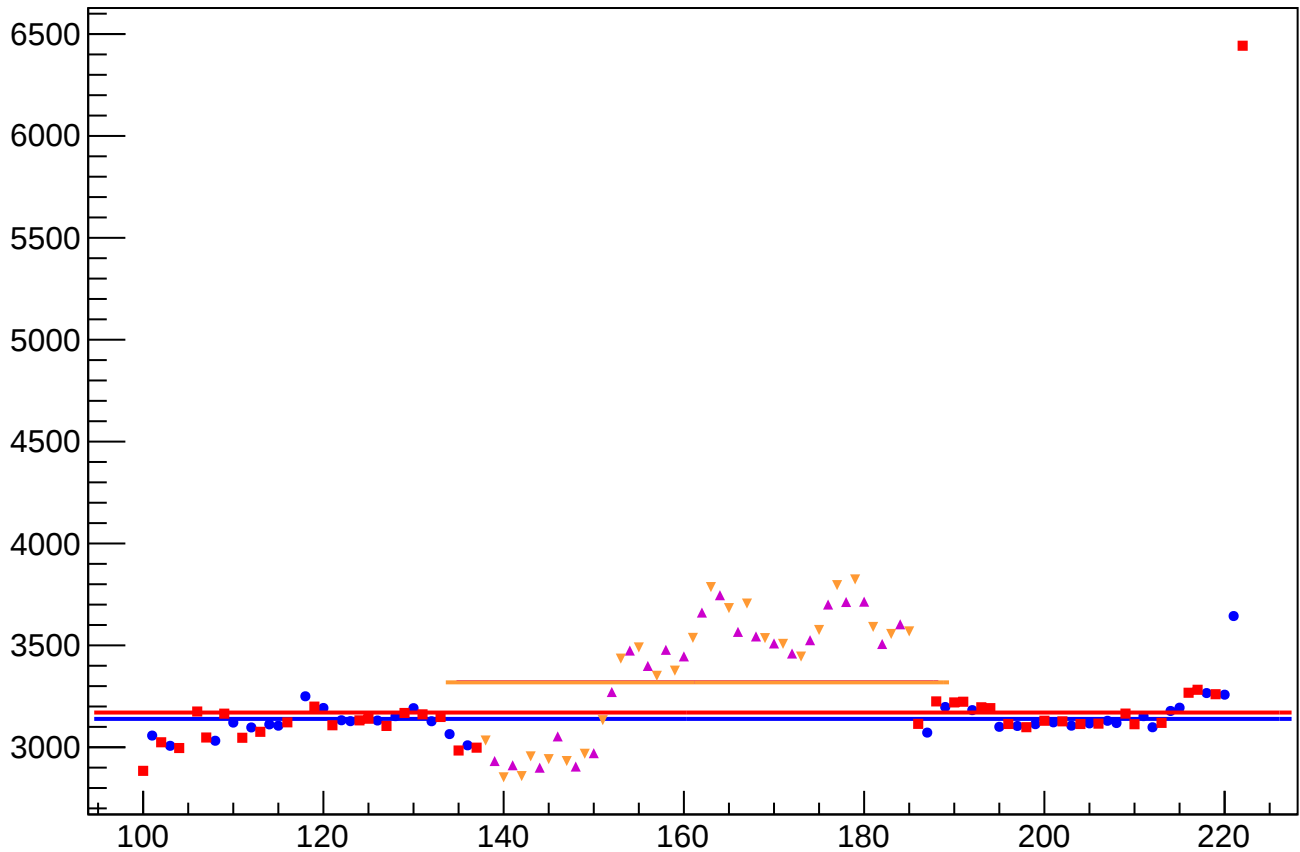
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -26.502 ± 0.525 χ^2/NDF : 1541.6/59

All: -15.536 ± 0.372 χ^2/NDF : 7189.5/120

- sign -4.427 ± 0.528 χ^2/NDF : 4769.5/60

diff_bpm0l01X_rms vs Slug



Right In: 3139.127 ± 0.504 χ^2/NDF : 30475.1/34

Left Out: 3318.506 ± 0.548 χ^2/NDF : 337694.2/24

Right Out: 3170.360 ± 0.499 χ^2/NDF : 426996.4/37

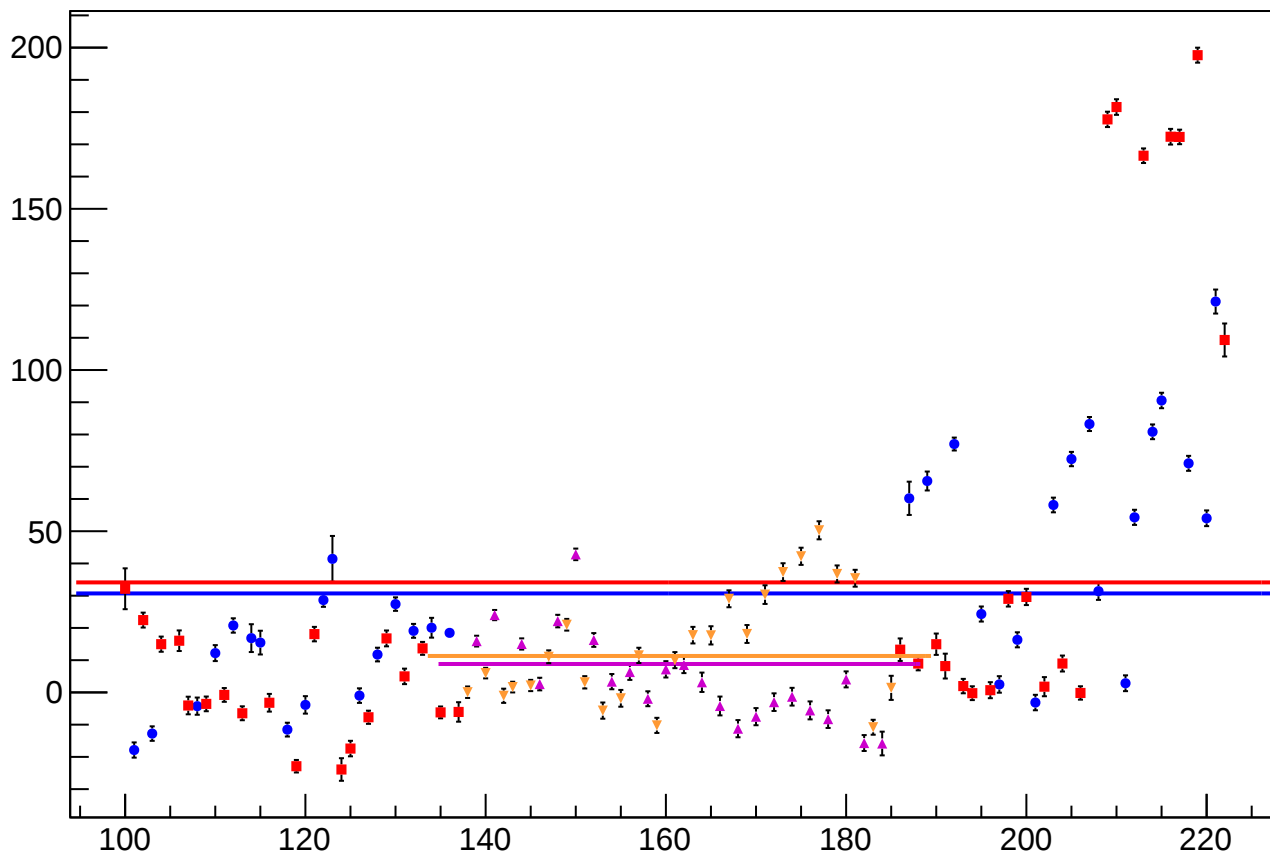
Left In: 3320.170 ± 0.564 χ^2/NDF : 287634.9/22

+ sign 3221.337 ± 0.371 χ^2/NDF : 426140.4/59

All: 3228.711 ± 0.263 χ^2/NDF : 1181170.0/12

- sign 3236.181 ± 0.374 χ^2/NDF : 754235.2/60

diff_bpm0l01Y_mean vs Slug



Right In: 30.702 $\pm$ 0.404 χ^2 /NDF: 6503.5/34

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF: 1144.3/24

Right Out: 34.122 $\pm$ 0.397 χ^2 /NDF: 28722.2/37

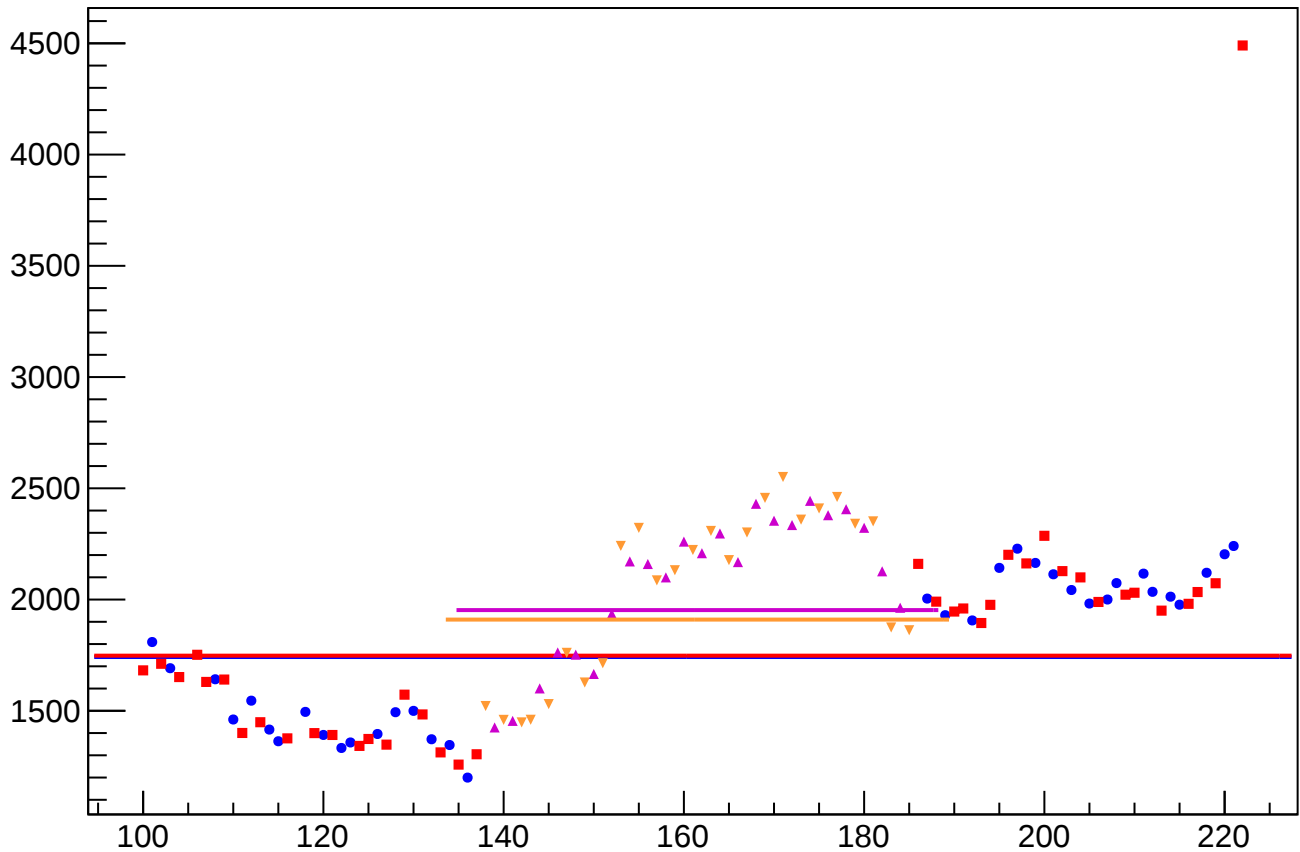
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF: 942.2/22

+ sign 22.131 $\pm$ 0.302 χ^2 /NDF: 8667.4/59

All: 22.921 $\pm$ 0.214 χ^2 /NDF: 40015.5/120

- sign 23.726 $\pm$ 0.305 χ^2 /NDF: 31334.3/60

diff_bpm0l01Y_rms vs Slug



Right In: 1741.770 $\pm$ 0.286 χ^2 /NDF: 1430451.3/34

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1747.810 $\pm$ 0.281 χ^2 /NDF: 1870616.9/37

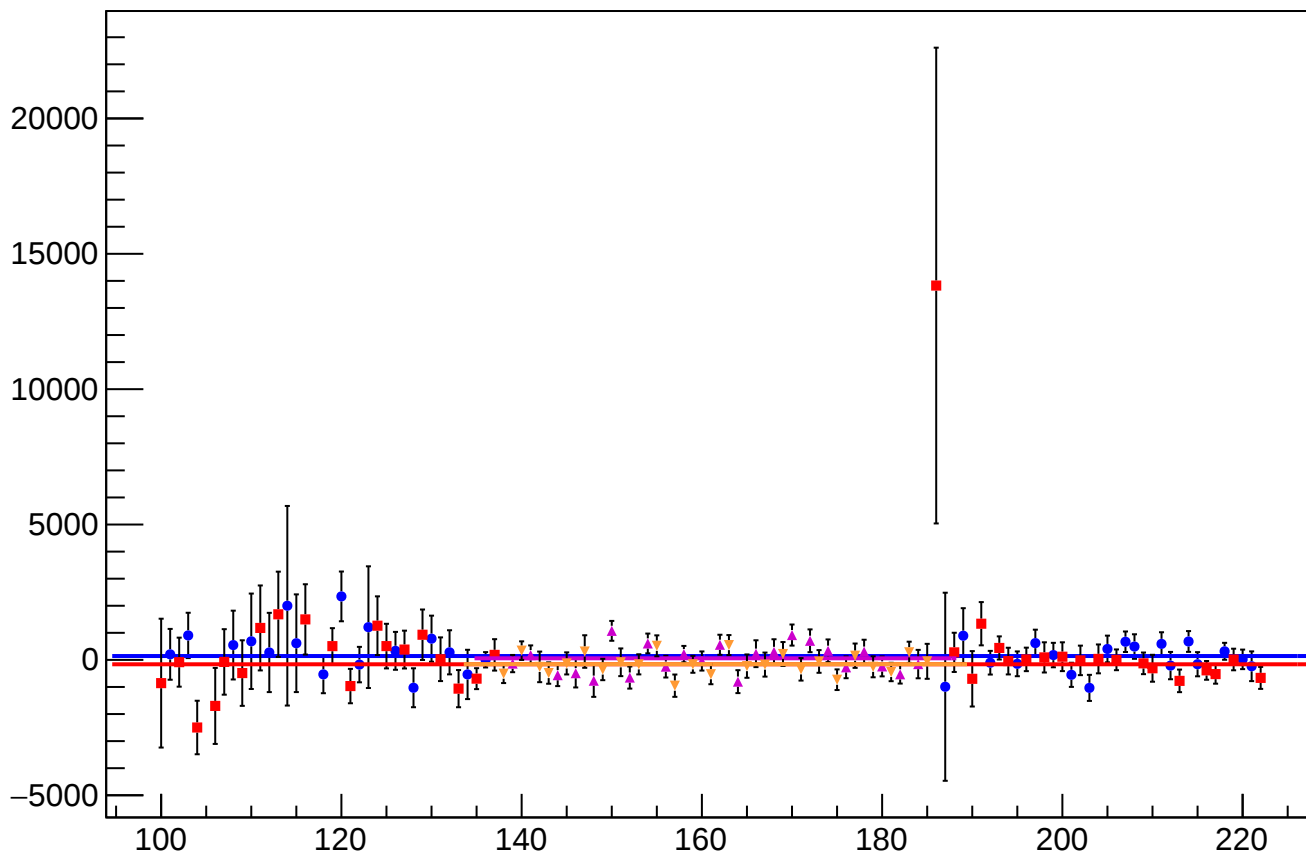
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1816.085 $\pm$ 0.213 χ^2 /NDF: 2983231.1/59

All: 1823.938 $\pm$ 0.152 χ^2 /NDF: 6140709.3/12

- sign 1831.948 $\pm$ 0.215 χ^2 /NDF: 3154740.7/60

asym_sam1_mean vs Slug



Right In: 142.900 $\pm$ 91.942 χ^2 /NDF: 31.0/34

Left Out: -157.242 $\pm$ 80.796 χ^2 /NDF: 22.0/24

Right Out: -162.089 $\pm$ 93.763 χ^2 /NDF: 36.9/37

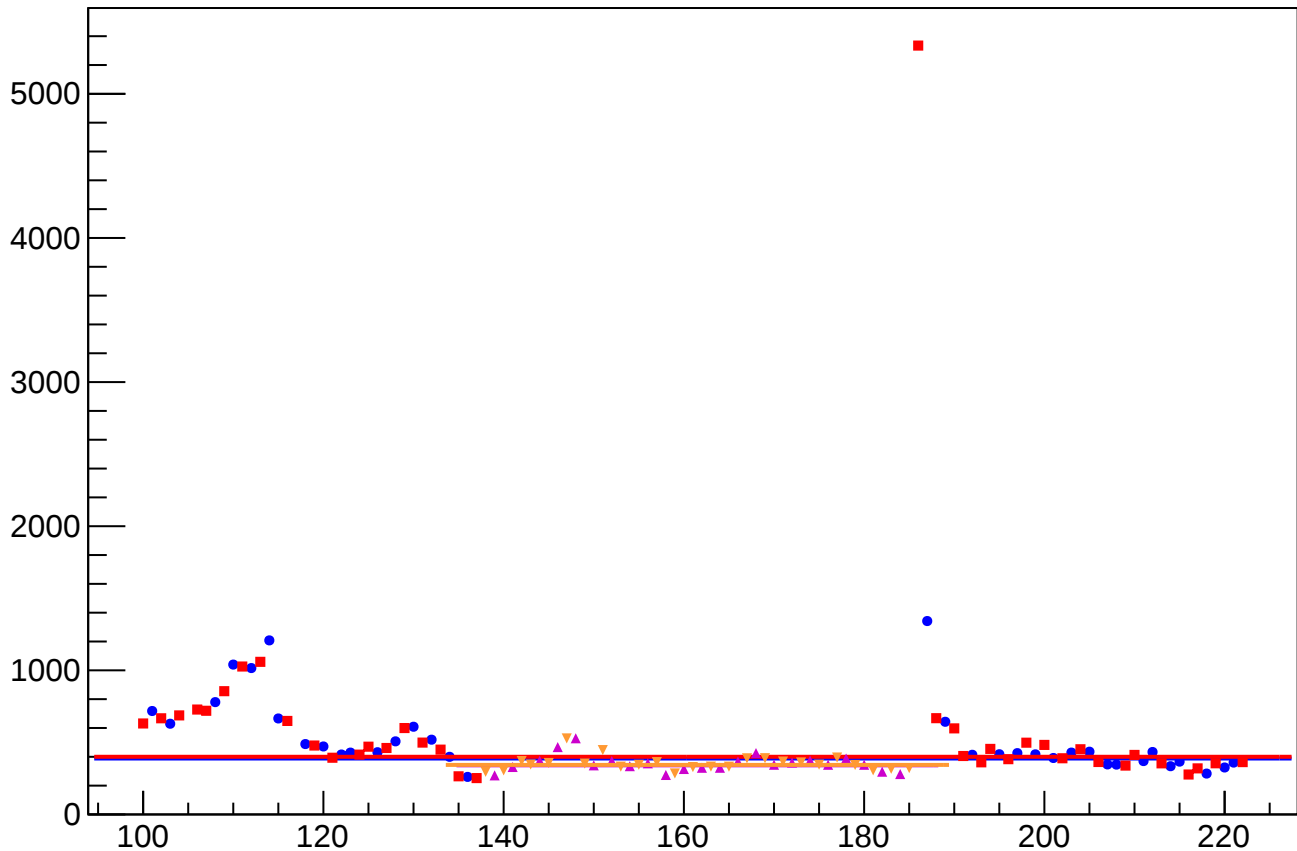
Left In: 58.934 $\pm$ 82.584 χ^2 /NDF: 38.5/22

+ sign -26.457 $\pm$ 60.691 χ^2 /NDF: 59.1/59

All: -31.924 $\pm$ 43.361 χ^2 /NDF: 137.7/120

- sign -37.623 $\pm$ 61.973 χ^2 /NDF: 78.6/60

asym_sam1_rms vs Slug



Right In: 388.186+/-0.065 χ^2/NDF : 2842309.0/34

Left Out: 343.807+/-0.057 χ^2/NDF : 539431.0/24

Right Out: 400.210+/-0.066 χ^2/NDF : 3838089.4/37

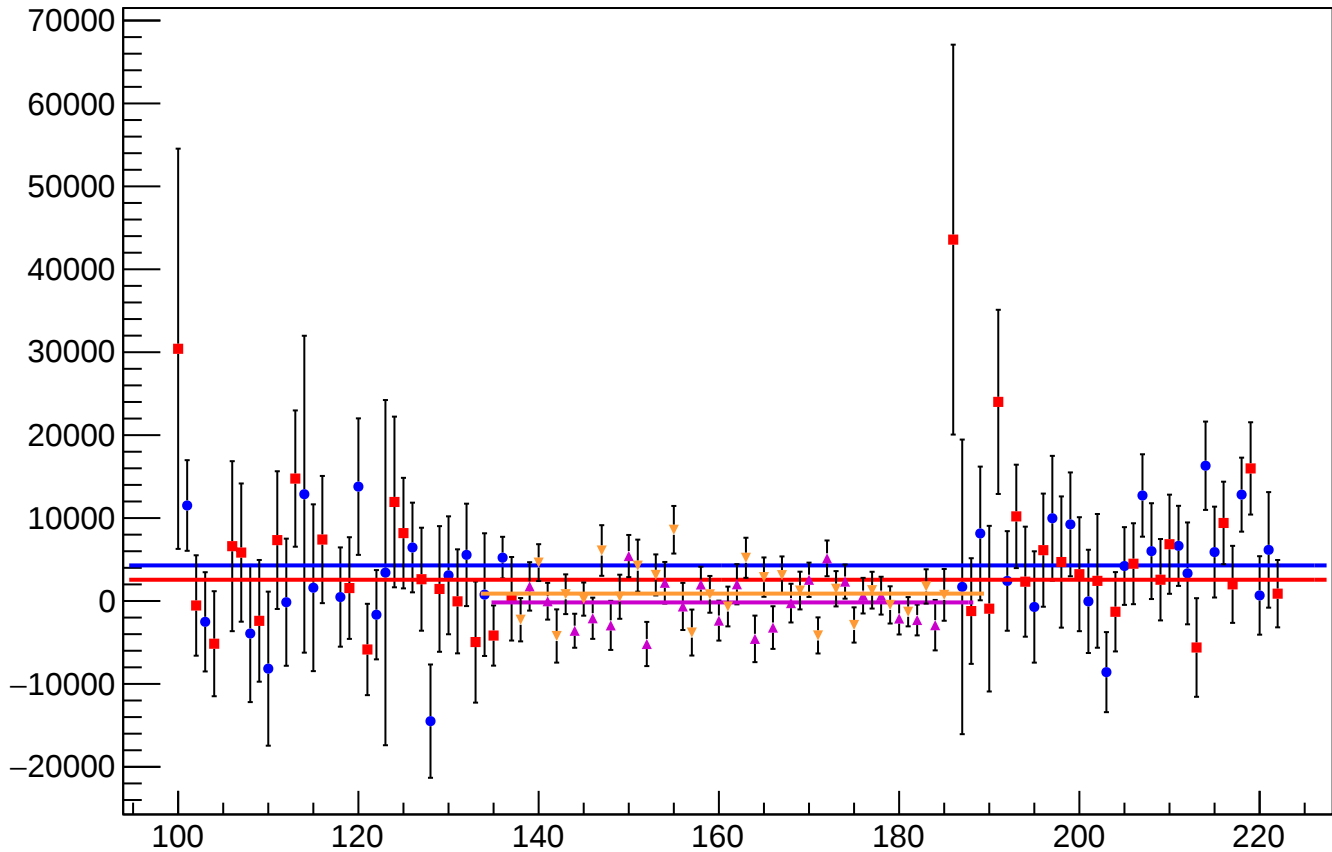
Left In: 340.876+/-0.058 χ^2/NDF : 724672.0/22

+ sign 363.144+/-0.043 χ^2/NDF : 3644668.6/59

All: 364.933+/-0.031 χ^2/NDF : 8661987.2/120

- sign 366.797+/-0.044 χ^2/NDF : 5013772.3/60

asym_sam2_mean vs Slug



Right In: 4290.711 $\pm$ 987.788 χ^2 /NDF: 40.0/34

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF:38.0/24

Right Out: 2562.349 $\pm$ 1016.812 χ^2 /NDF: 35.8/37

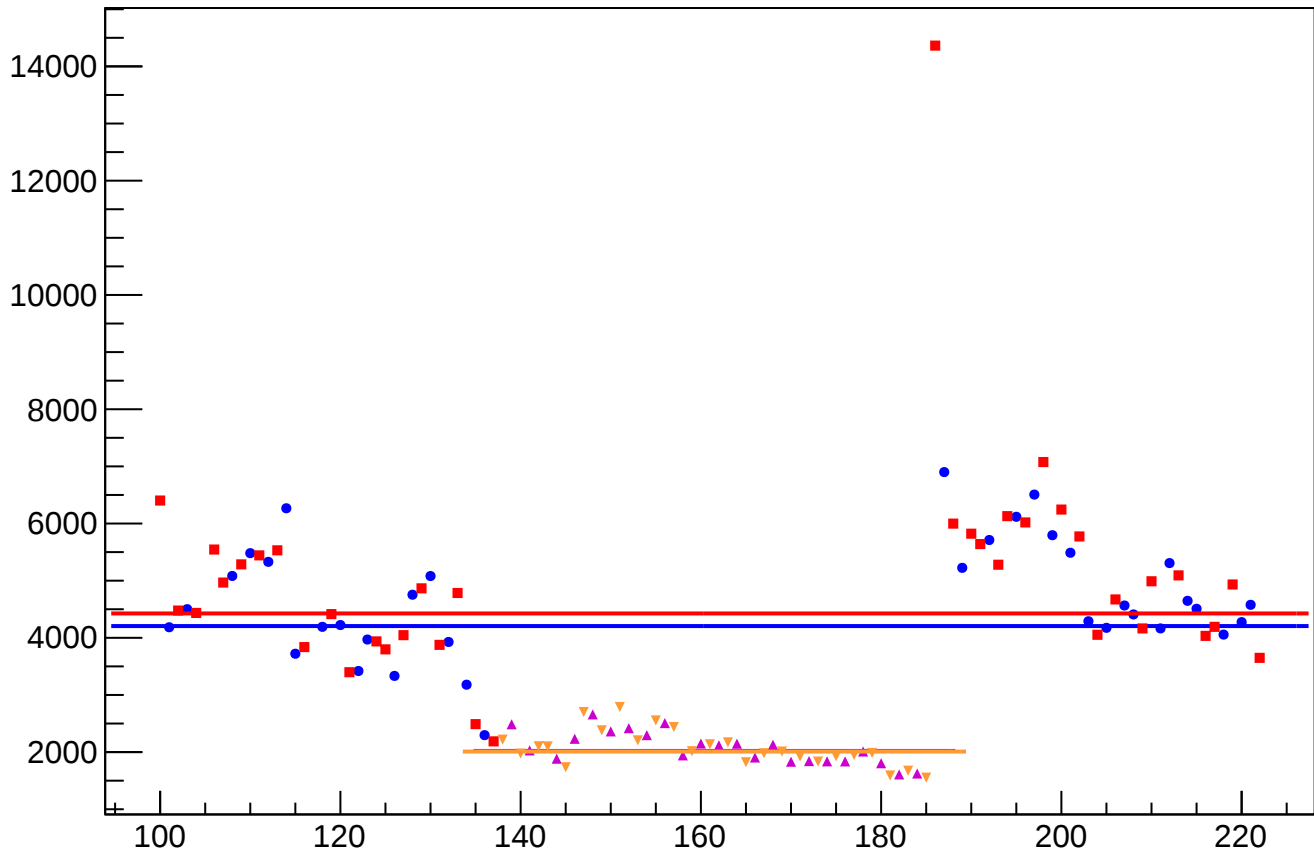
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF:33.2/22

+ sign 1525.213 $\pm$ 426.804 χ^2 /NDF: 87.6/59

All: 950.507 $\pm$ 306.356 χ^2 /NDF: 166.2/120

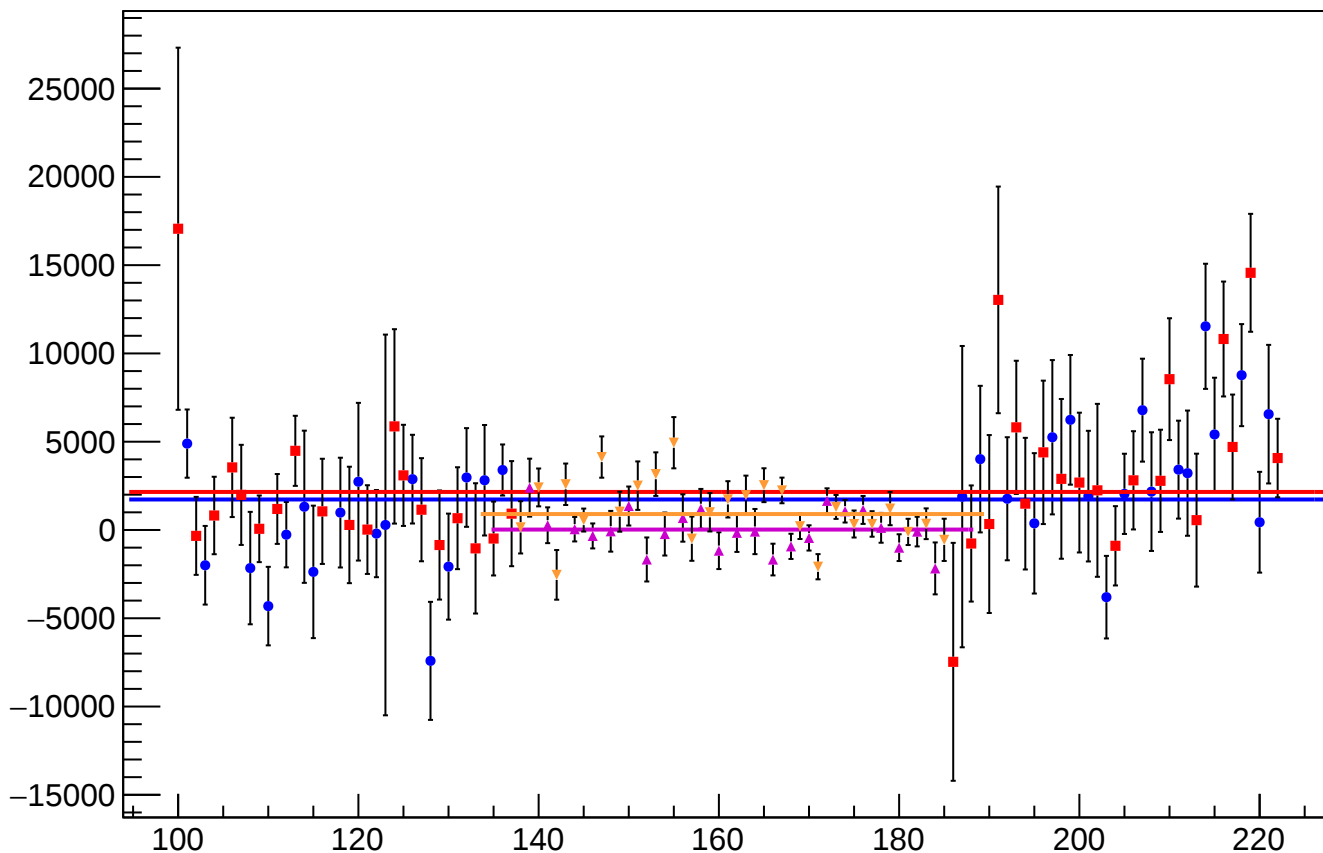
- sign 339.702 $\pm$ 440.004 χ^2 /NDF: 74.9/60

asym_sam2_rms vs Slug



Right In: 4205.730+/-0.698	χ^2/NDF : 2345140.1/34	+ sign 2419.629+/-0.302	χ^2/NDF : 11095199.3/59
Left Out: 2009.631+/-0.335	χ^2/NDF : 709977.6/24	All: 2444.493+/-0.217	χ^2/NDF : 23440048.7/1
Right Out: 4426.461+/-0.719	χ^2/NDF : 2655520.5/37	- sign 2470.918+/-0.311	χ^2/NDF : 12330848.4/60
Left In: 2020.365+/-0.345	χ^2/NDF : 573483.0/22		

asym_sam3_mean vs Slug



Right In: 1727.473 ± 483.723 $\chi^2/\text{NDF}: 56.8/34$

Left Out: 902.091 ± 185.850 $\chi^2/\text{NDF}: 63.5/24$

Right Out: 2154.851 ± 478.120 $\chi^2/\text{NDF}: 47.5/37$

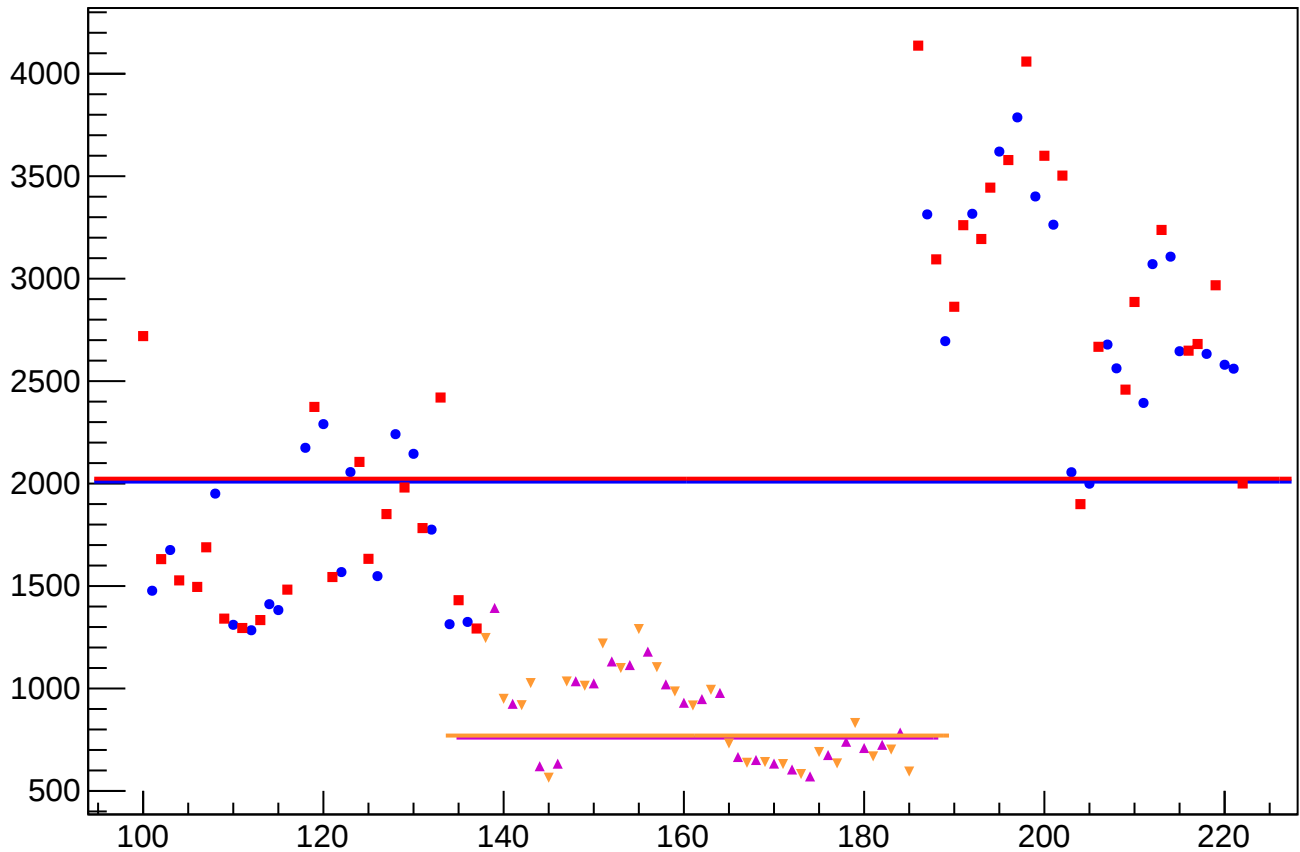
Left In: 23.529 ± 188.137 $\chi^2/\text{NDF}: 28.2/22$

+ sign 1008.259 ± 173.486 $\chi^2/\text{NDF}: 122.9/59$

All: 661.952 ± 123.230 $\chi^2/\text{NDF}: 223.9/120$

- sign 309.290 ± 175.071 $\chi^2/\text{NDF}: 92.9/60$

asym_sam3_rms vs Slug



Right In: 2009.766 $\pm$ 0.342 χ^2 /NDF: 3935484.1/34

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 2023.901 $\pm$ 0.338 χ^2 /NDF: 4613931.0/37

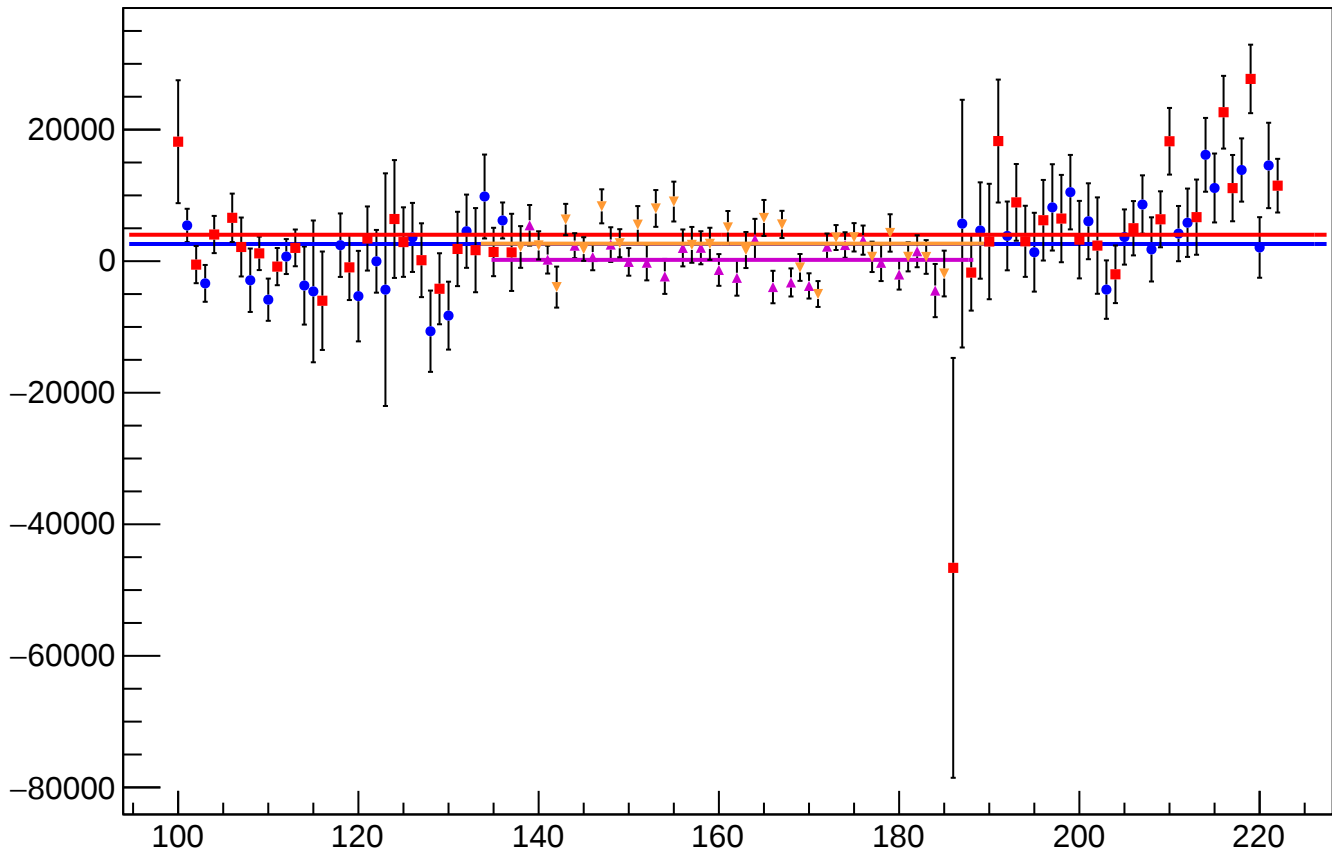
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 929.748 $\pm$ 0.123 χ^2 /NDF: 17664976.6/59

All: 929.756 $\pm$ 0.087 χ^2 /NDF: 36361043.4/12

- sign 929.764 $\pm$ 0.124 χ^2 /NDF: 18696066.8/60

asym_sam4_mean vs Slug



Right In: 2612.469 $\pm$ 778.365 χ^2 /NDF: 55.6/34

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF: 49.2/24

Right Out: 4018.296 $\pm$ 748.039 χ^2 /NDF: 71.6/37

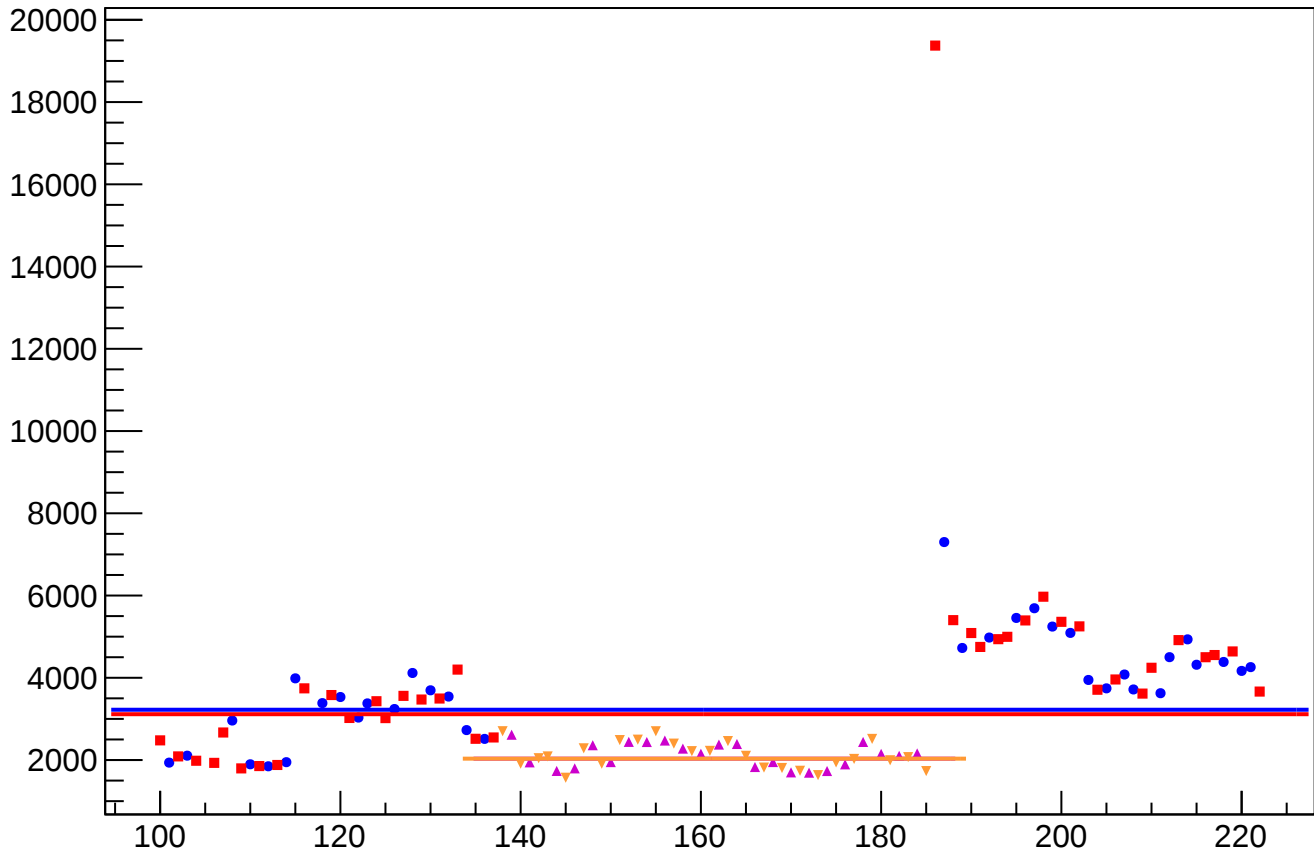
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2650.962 $\pm$ 408.420 χ^2 /NDF: 104.9/59

All: 2006.148 $\pm$ 289.742 χ^2 /NDF: 225.4/120

- sign 1352.826 $\pm$ 411.106 χ^2 /NDF: 115.5/60

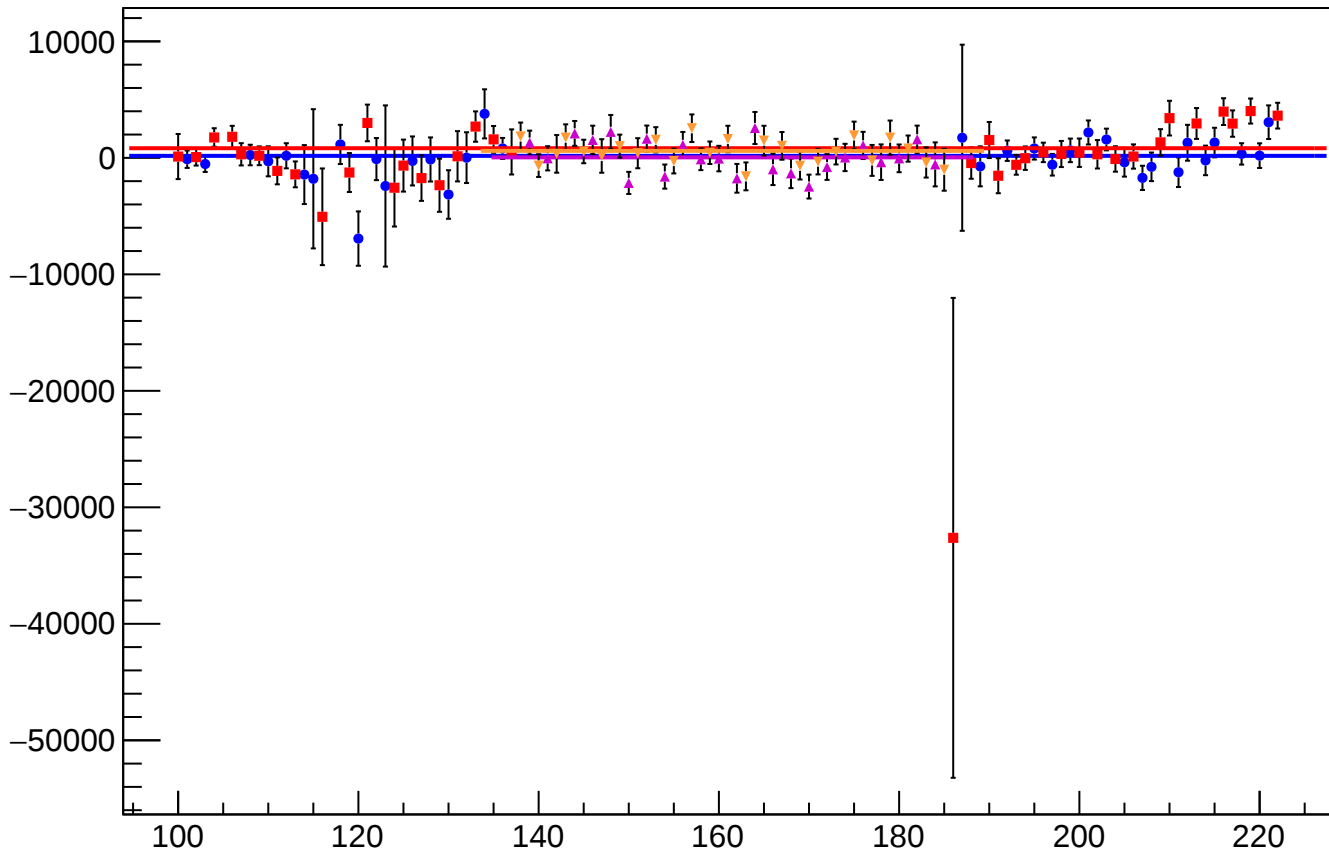
asym_sam4_rms vs Slug



Right In: 3222.883 $\pm$ 0.550 χ^2 /NDF: 4312769.4/34
 Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24
 Right Out: 3114.261 $\pm$ 0.529 χ^2 /NDF: 5824456.0/37
 Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

+ sign 2360.850 $\pm$ 0.289 χ^2 /NDF: 8521907.3/59
 All: 2360.100 $\pm$ 0.205 χ^2 /NDF: 17917595.3/100
 - sign 2359.339 $\pm$ 0.291 χ^2 /NDF: 9395674.4/60

asym_sam5_mean vs Slug



Right In: 172.034 $\pm$ 203.134 χ^2 /NDF: 36.4/34

Left Out: 600.005 $\pm$ 234.968 χ^2 /NDF:18.5/24

Right Out: 827.126 $\pm$ 193.870 χ^2 /NDF: 68.3/37

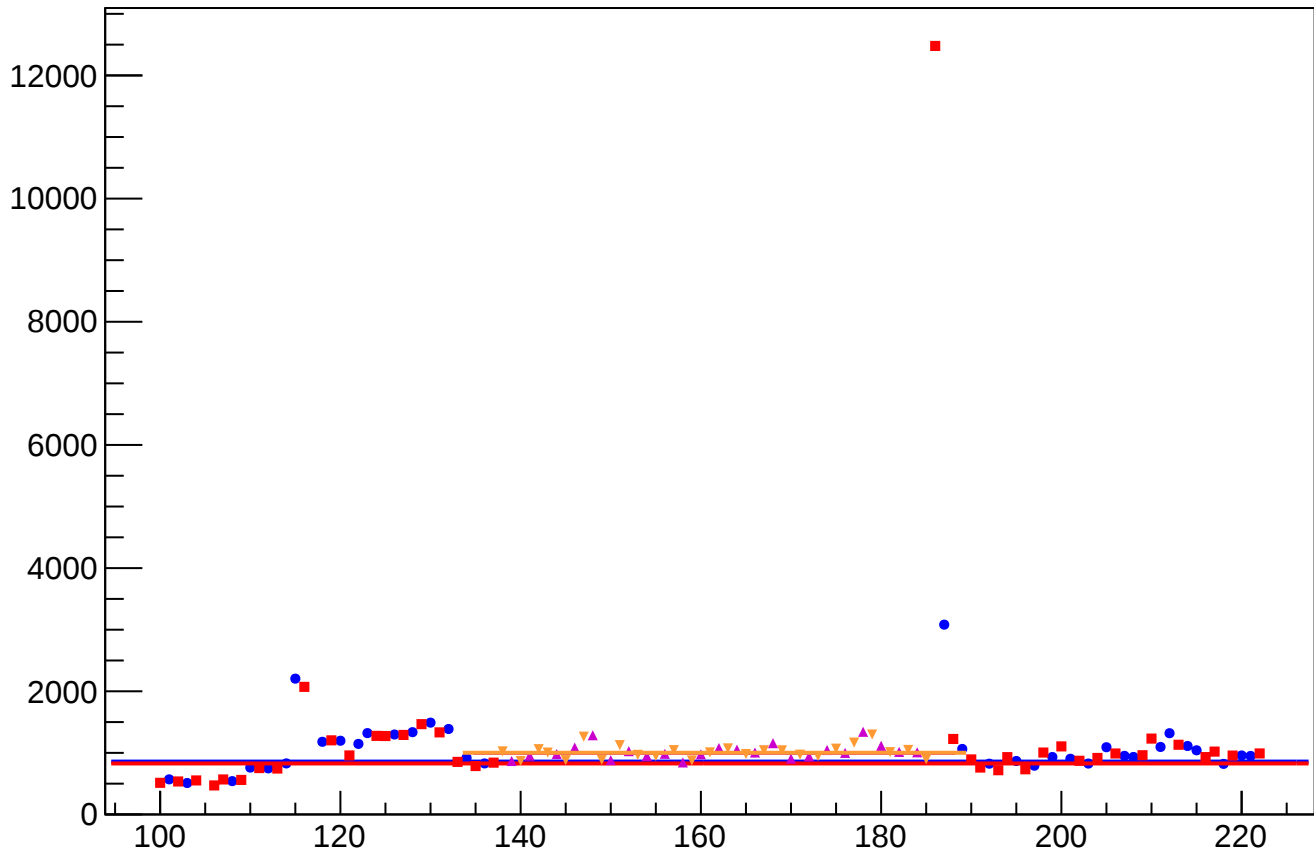
Left In: 41.559 $\pm$ 240.807 χ^2 /NDF:36.4/22

+ sign 355.085 $\pm$ 153.670 χ^2 /NDF: 56.8/59

All: 438.061 $\pm$ 107.709 χ^2 /NDF: 168.5/120

- sign 518.192 $\pm$ 151.012 χ^2 /NDF: 111.2/60

asym_sam5_rms vs Slug



Right In: 858.528 $\pm$ 0.144 χ^2 /NDF: 2617907.4/34

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 828.050 $\pm$ 0.137 χ^2 /NDF: 3629805.4/37

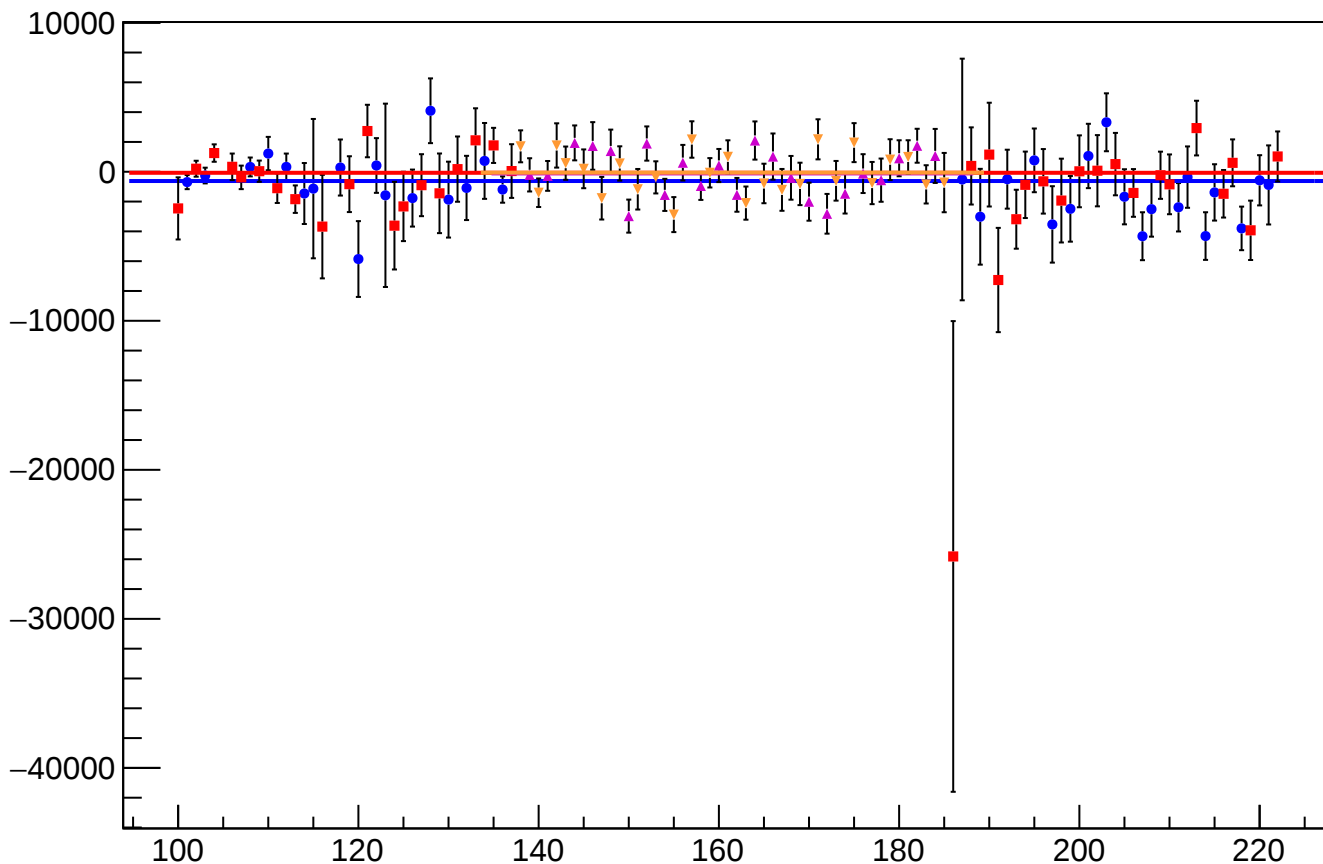
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 919.668 $\pm$ 0.109 χ^2 /NDF: 3411804.2/59

All: 907.070 $\pm$ 0.076 χ^2 /NDF: 8077458.3/120

- sign 894.904 $\pm$ 0.107 χ^2 /NDF: 4639233.4/60

asym_sam6_mean vs Slug



Right In: -621.919+/-220.540 χ^2/NDF : 43.4/34

Left Out: -59.827+/-246.503 χ^2/NDF :31.0/24

Right Out: -69.555+/-218.614 χ^2/NDF : 40.9/37

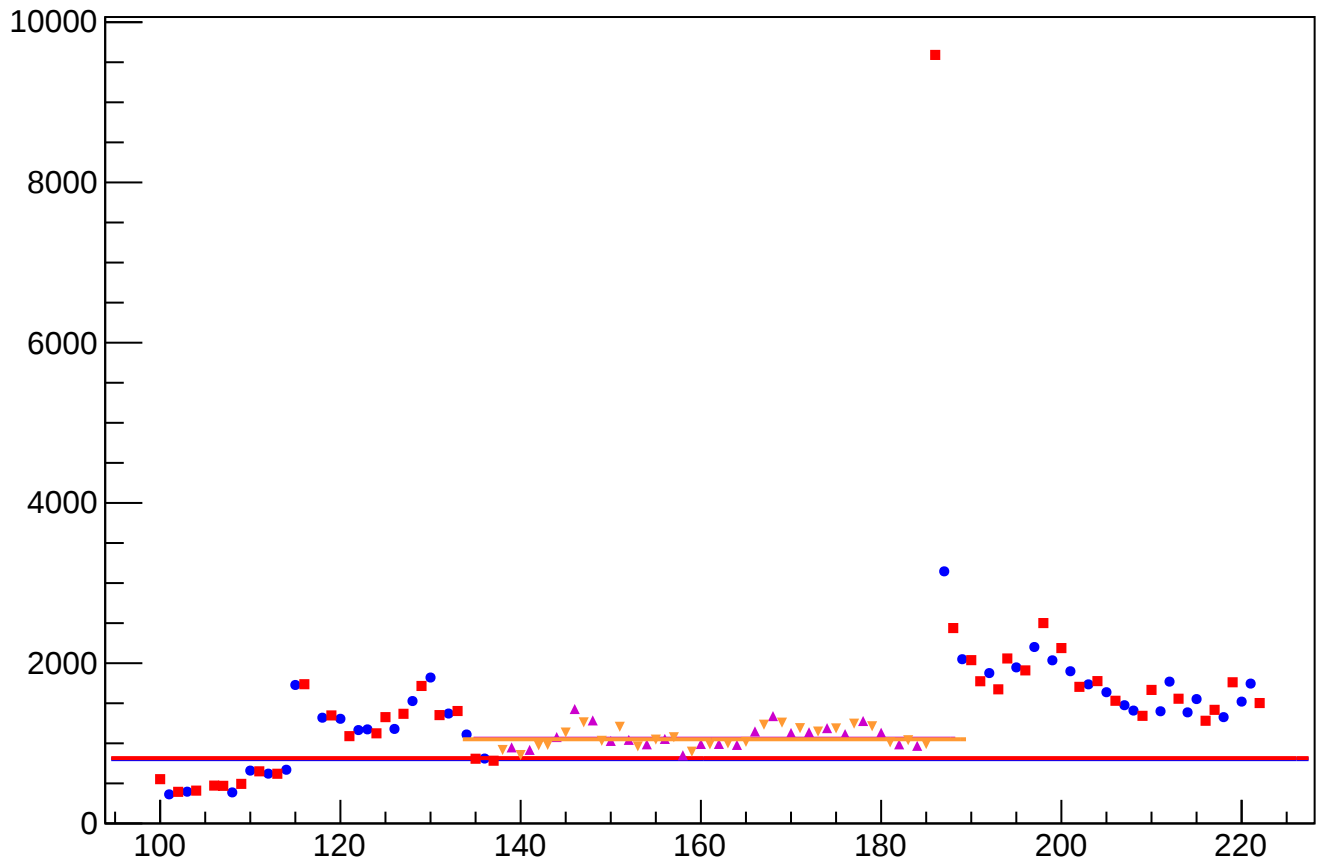
Left In: -112.398+/-255.409 χ^2/NDF :34.9/22

+ sign -372.023+/-164.361 χ^2/NDF : 77.3/59

All: -231.329+/-116.825 χ^2/NDF : 154.5/120

- sign -87.671+/-166.083 χ^2/NDF : 75.7/60

asym_sam6_rms vs Slug



Right In: 802.645 $\pm$ 0.156 χ^2 /NDF: 12040457.0/34

Left Out: 1050.649 $\pm$ 0.174 χ^2 /NDF: 483144.2/24

Right Out: 815.546 $\pm$ 0.155 χ^2 /NDF: 12511555.3/37

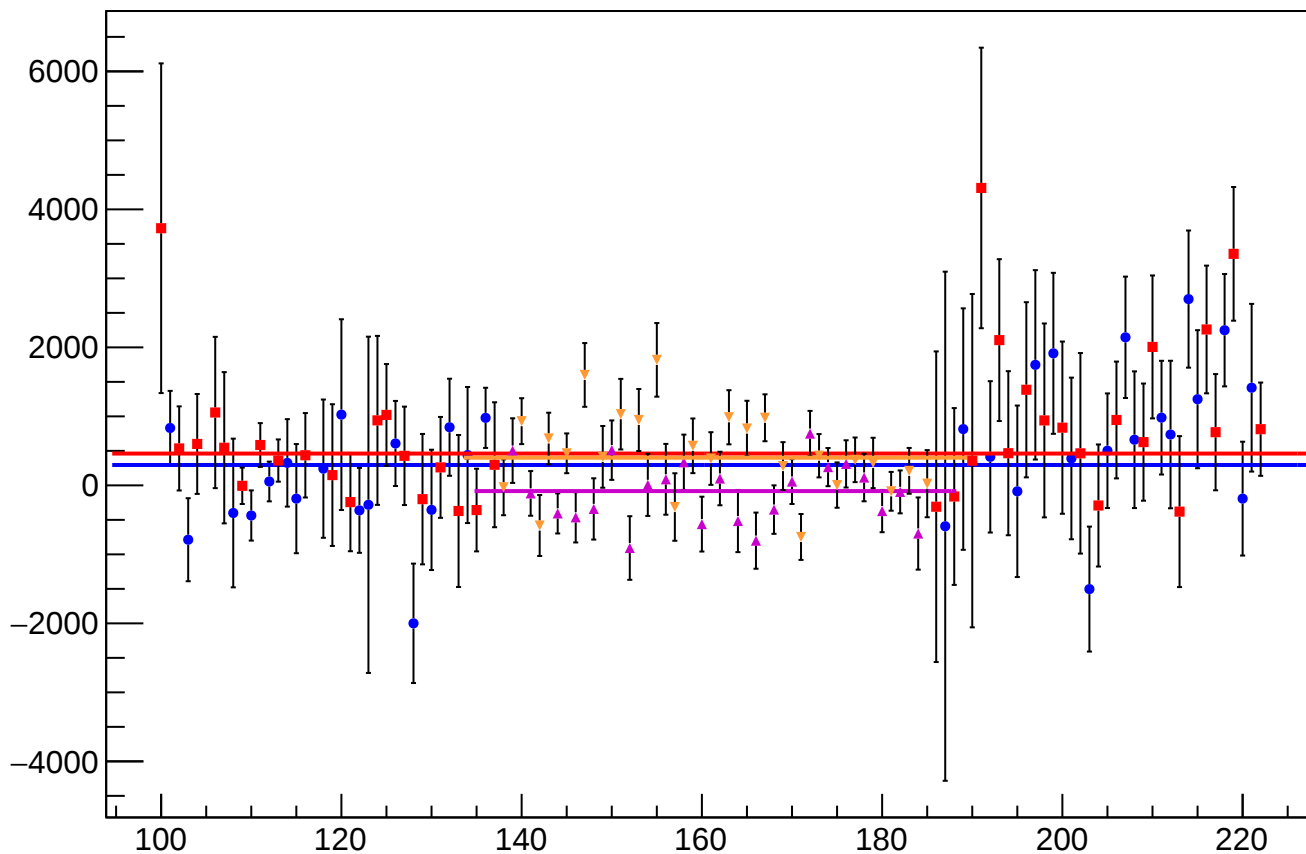
Left In: 1058.097 $\pm$ 0.181 χ^2 /NDF: 528574.7/22

+ sign 912.903 $\pm$ 0.116 χ^2 /NDF: 13648010.8/59

All: 915.478 $\pm$ 0.083 χ^2 /NDF: 27730144.6/12

- sign 918.107 $\pm$ 0.117 χ^2 /NDF: 14081141.7/60

asym_sam7_mean vs Slug



Right In: 295.510 ± 123.480 χ^2/NDF : 48.6/34

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 460.996 ± 114.785 χ^2/NDF : 34.1/37

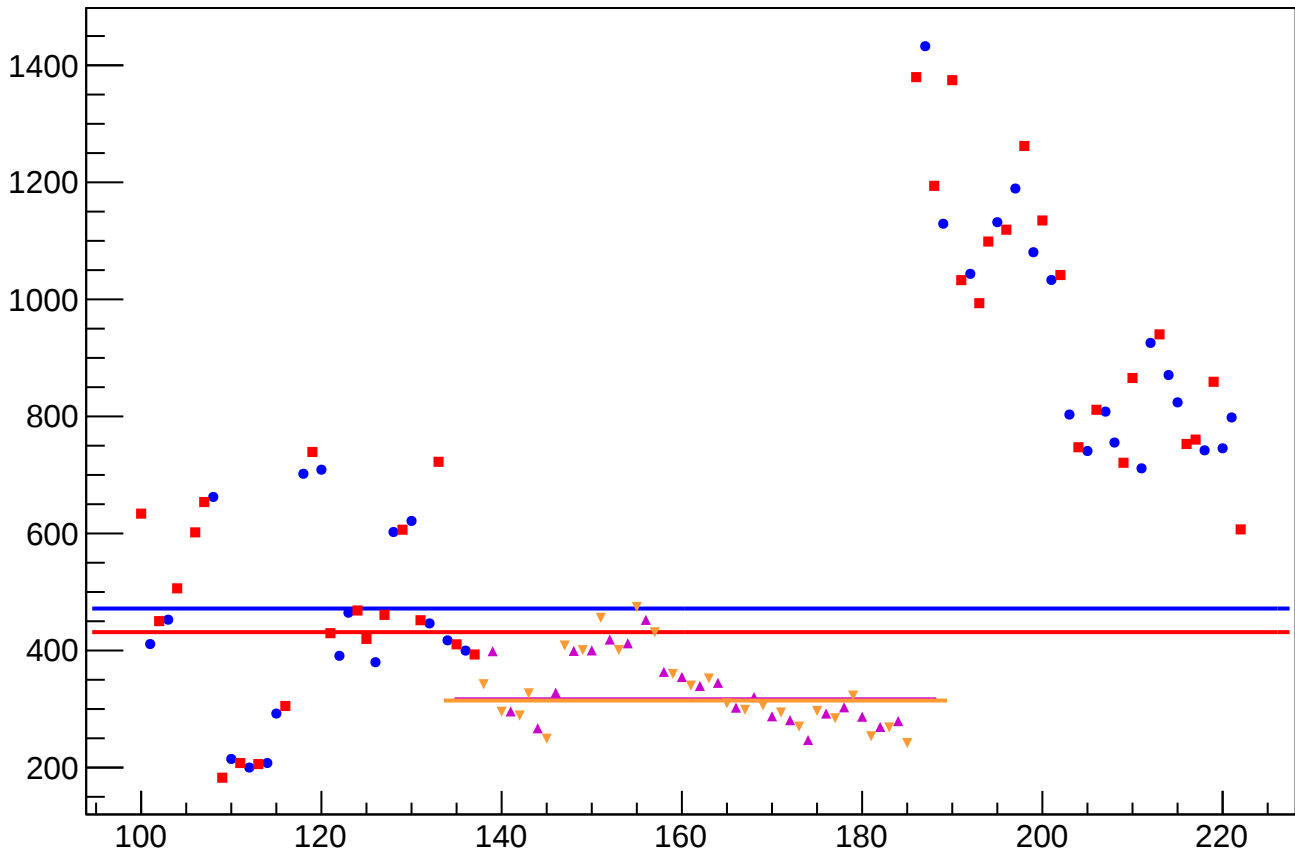
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 372.813 ± 63.818 χ^2/NDF : 101.2/59

All: 229.374 ± 45.152 χ^2/NDF : 190.0/120

- sign 85.613 ± 63.890 χ^2/NDF : 78.6/60

asym_sam7_rms vs Slug



Right In: 471.735+/-0.087 χ^2/NDF : 9428750.6/34

Left Out: 314.538+/-0.053 χ^2/NDF : 1112445.6/24

Right Out: 431.391+/-0.081 χ^2/NDF : 12169171.3/37

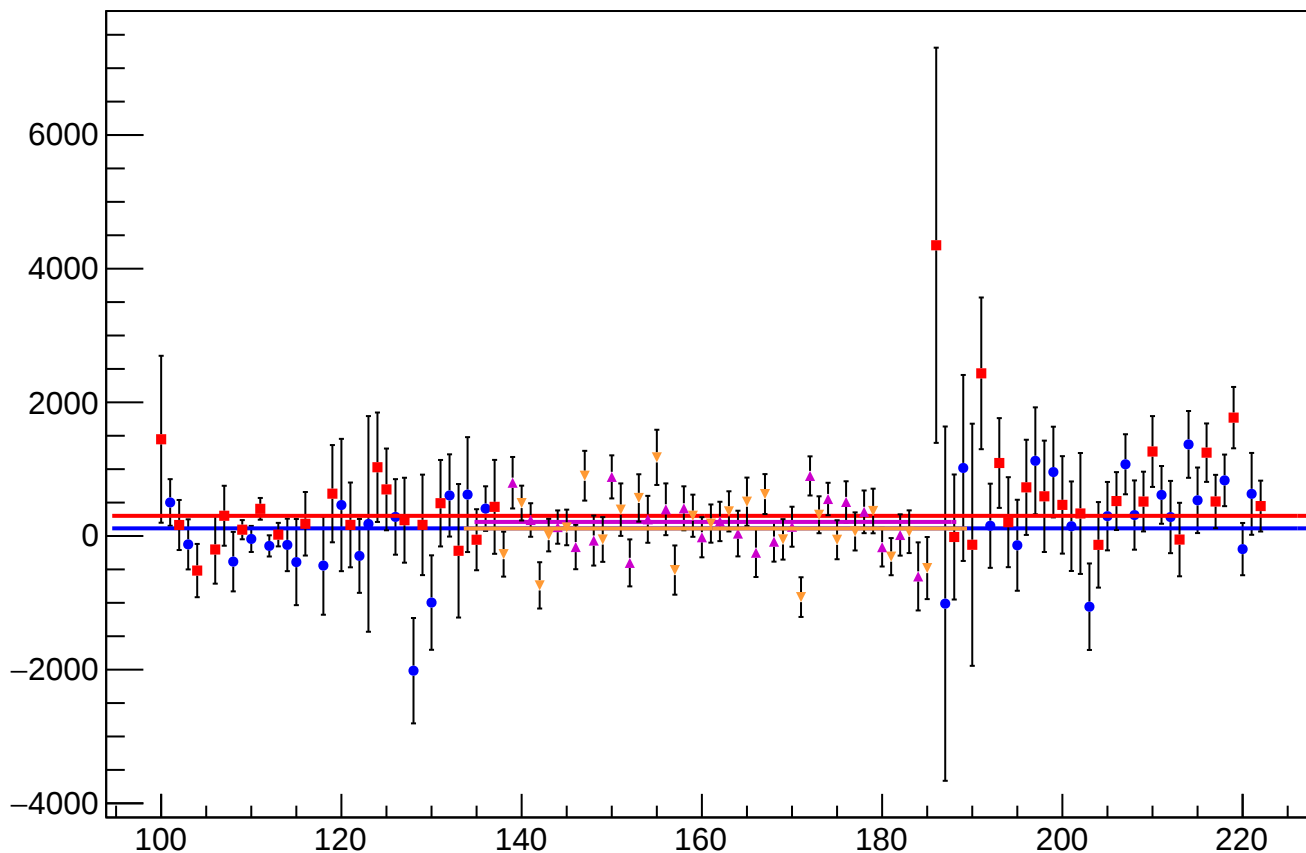
Left In: 316.647+/-0.054 χ^2/NDF : 920874.0/22

+ sign 356.528+/-0.045 χ^2/NDF : 12916717.6/59

All: 354.364+/-0.032 χ^2/NDF : 27390780.9/12

- sign 352.196+/-0.045 χ^2/NDF : 14469461.7/60

asym_sam8_mean vs Slug



Right In: 114.310 $\pm$ 74.410 χ^2 /NDF: 45.5/34

Left Out: 112.242 $\pm$ 62.643 χ^2 /NDF: 49.1/24

Right Out: 301.602 $\pm$ 66.683 χ^2 /NDF: 41.3/37

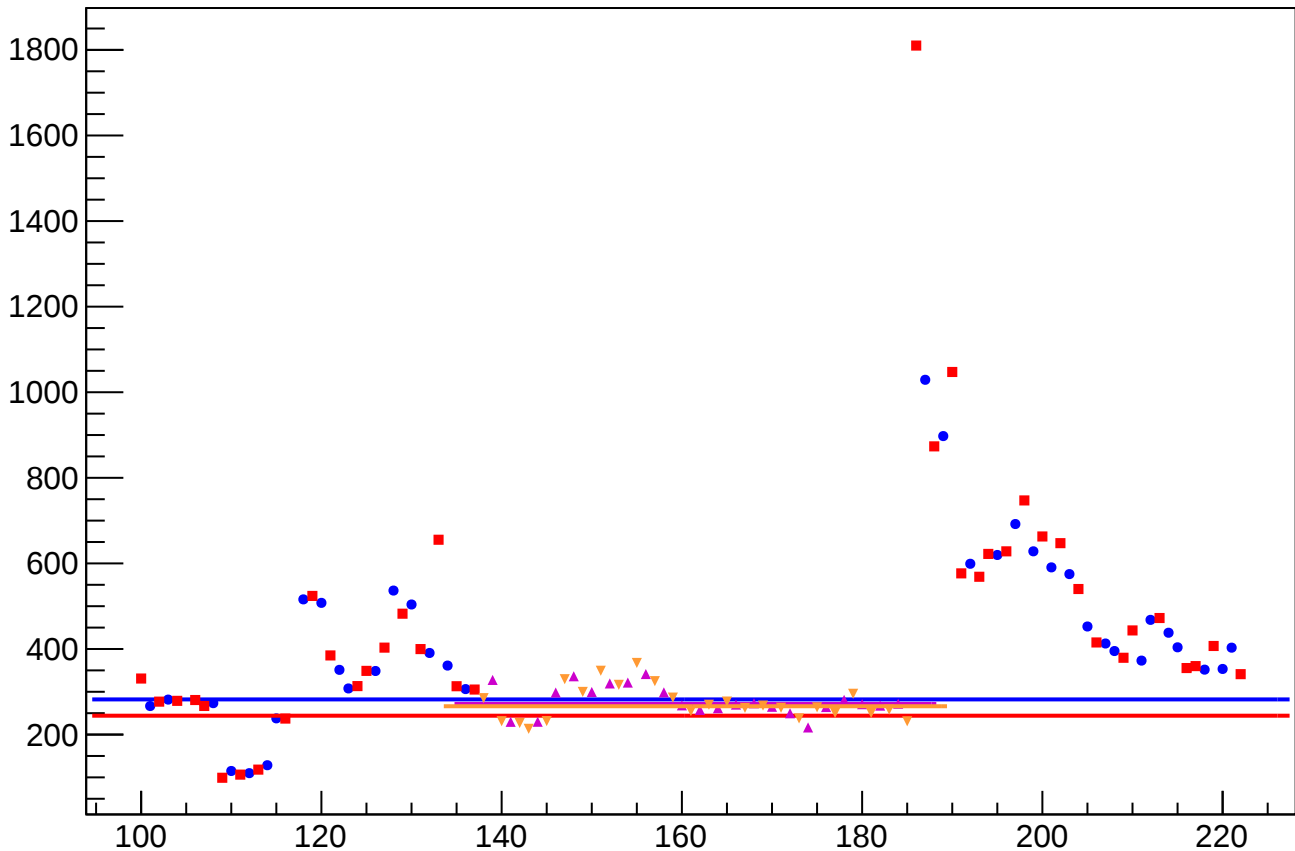
Left In: 210.453 $\pm$ 65.510 χ^2 /NDF: 29.2/22

+ sign 113.100 $\pm$ 47.922 χ^2 /NDF: 94.6/59

All: 185.946 $\pm$ 33.457 χ^2 /NDF: 170.6/120

- sign 255.219 $\pm$ 46.732 χ^2 /NDF: 71.4/60

asym_sam8_rms vs Slug



Right In: 282.170+/-0.053 χ^2/NDF : 9776680.7/34

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 244.108+/-0.047 χ^2/NDF : 1358952.7/37

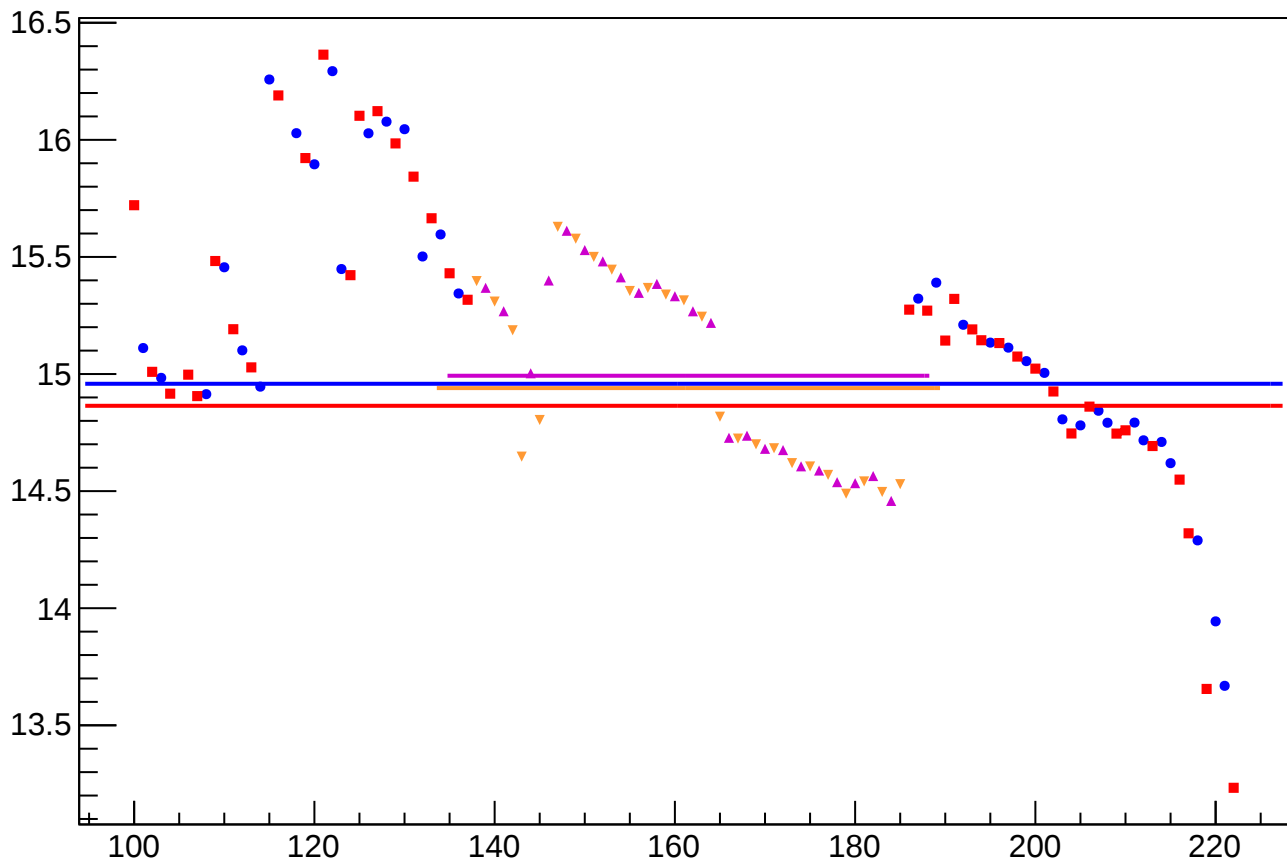
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 272.828+/-0.034 χ^2/NDF : 10480174.3/59

All: 265.229+/-0.024 χ^2/NDF : 24860365.9/12

- sign 258.004+/-0.033 χ^2/NDF : 14282095.1/60

yield_sam1_mean vs Slug



Right In: 14.958 $\pm$ 0.000 χ^2 /NDF: 42583274640.5/34

Left Out: 14.940 $\pm$ 0.000 χ^2 /NDF: 24199653913.9/24

Right Out: 14.864 $\pm$ 0.000 χ^2 /NDF: 65207781710.8/37

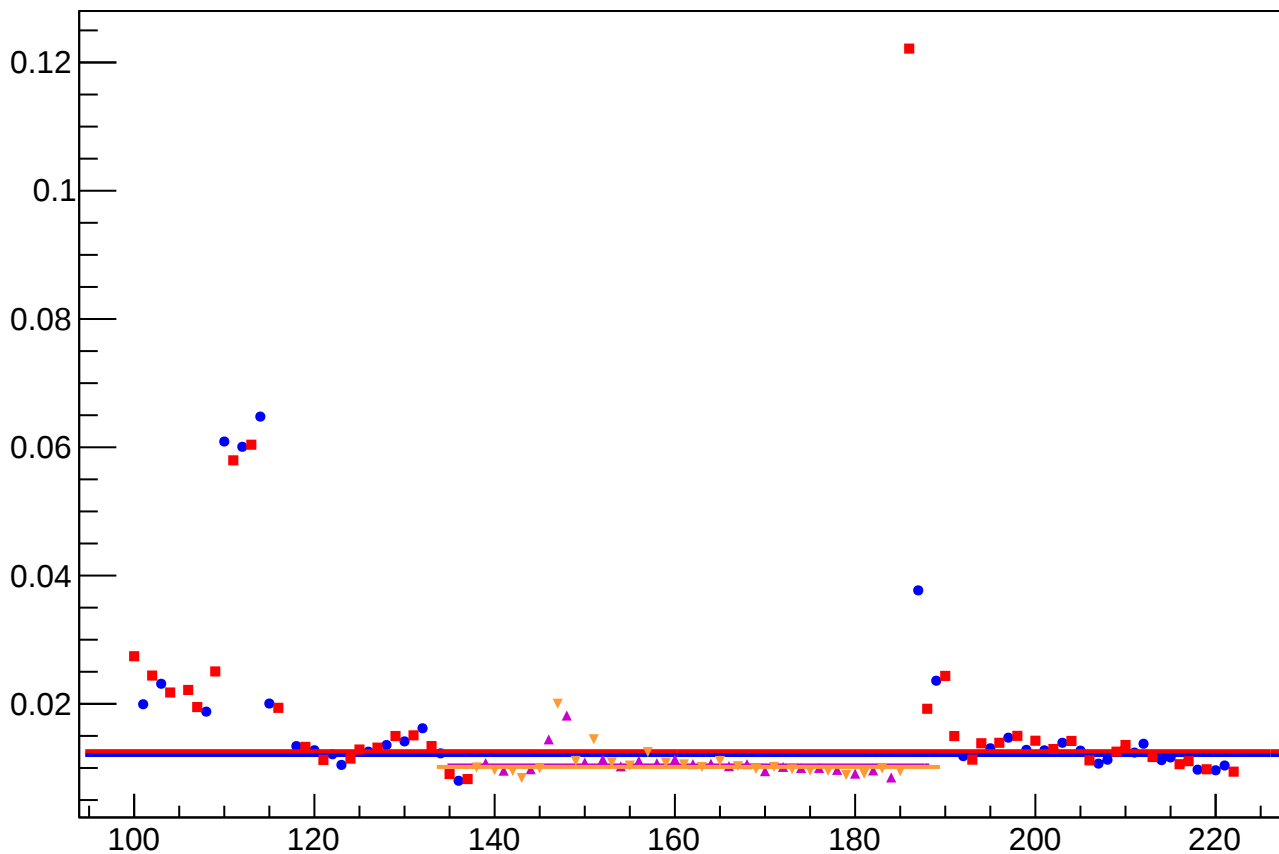
Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

+ sign 14.948 $\pm$ 0.000 χ^2 /NDF: 66806514286.5/59

All: 14.943 $\pm$ 0.000 χ^2 /NDF: 155096638091.

- sign 14.939 $\pm$ 0.000 χ^2 /NDF: 88280070067.0/60

yield_sam1_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 2857344.1/34

Left Out: 0.010 ± 0.000 χ^2/NDF : 717351.4/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 3645282.6/37

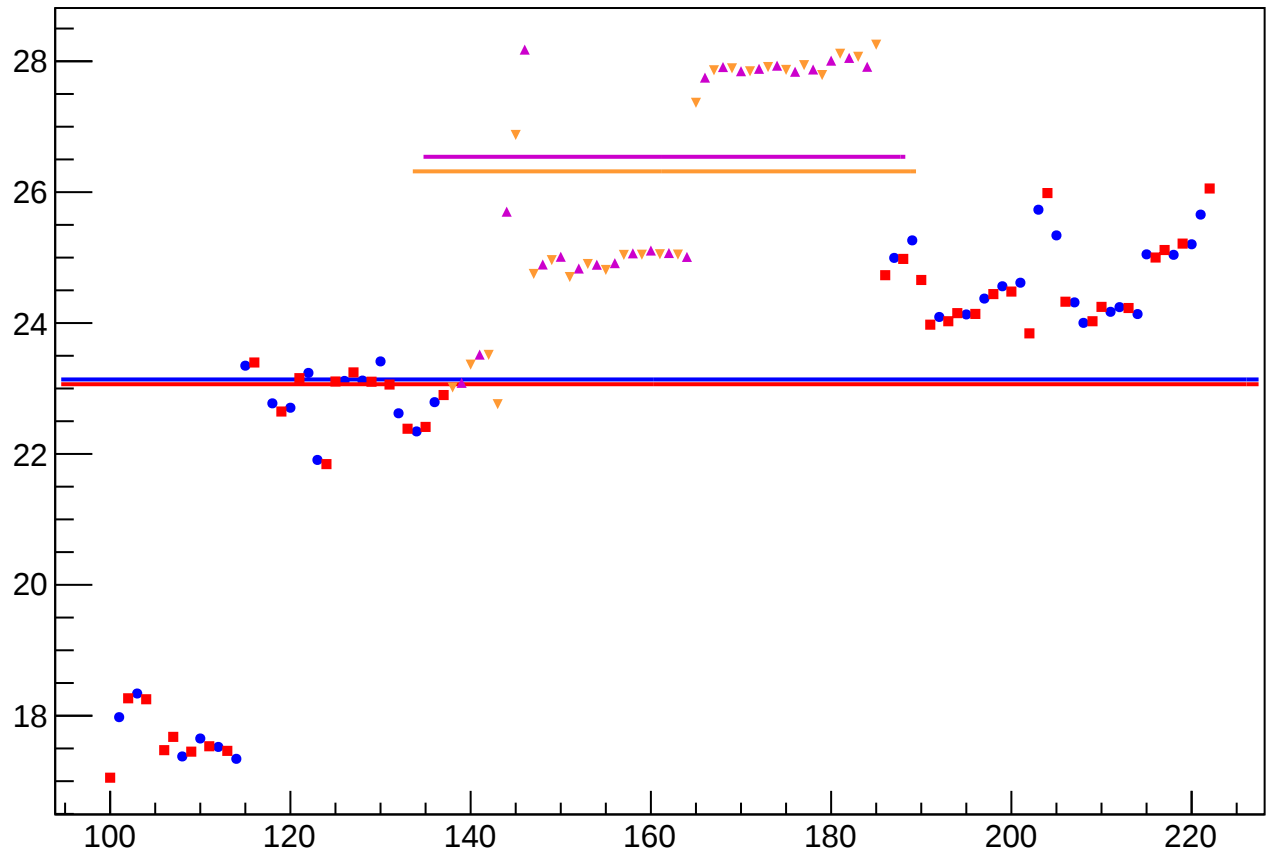
Left In: 0.010 ± 0.000 χ^2/NDF : 544268.8/22

+ sign 0.011 ± 0.000 χ^2/NDF : 4055607.6/59

All: 0.011 ± 0.000 χ^2/NDF : 8917793.6/120

- sign 0.011 ± 0.000 χ^2/NDF : 4819796.7/60

yield_sam2_mean vs Slug



Right In: 23.138+/-0.000 χ^2/NDF : 1634061777.8/34

Left Out: 26.318+/-0.000 χ^2/NDF : 4715403741.0/24

Right Out: 23.065+/-0.000 χ^2/NDF : 1993963050.2/37

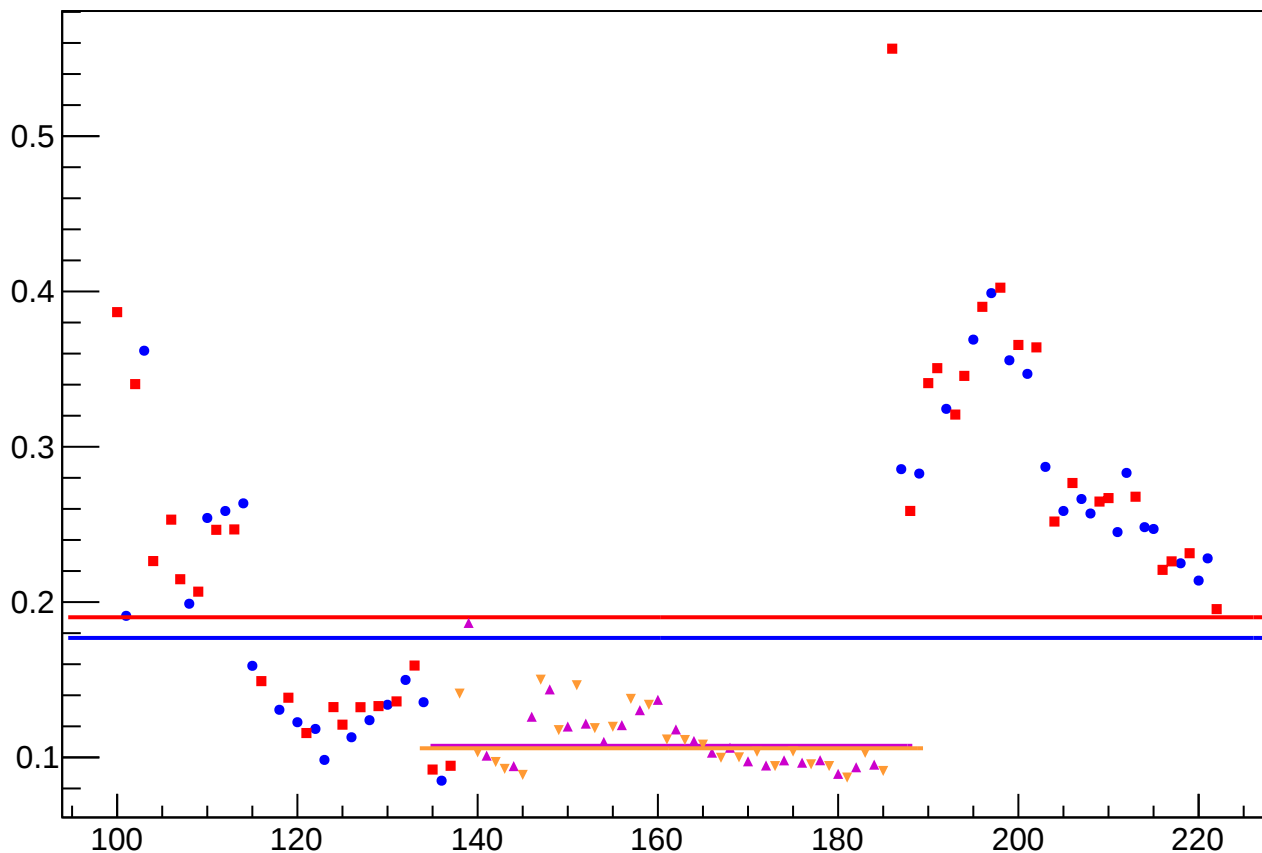
Left In: 26.540+/-0.000 χ^2/NDF : 3309392772.6/22

+ sign 25.516+/-0.000 χ^2/NDF : 9944787613.8/59

All: 25.583+/-0.000 χ^2/NDF : 19248793662.3

- sign 25.656+/-0.000 χ^2/NDF : 9286344064.0/60

yield_sam2_rms vs Slug



Right In: 0.177+/-0.000 χ^2/NDF : 6603417.7/34

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.190+/-0.000 χ^2/NDF : 6168830.4/37

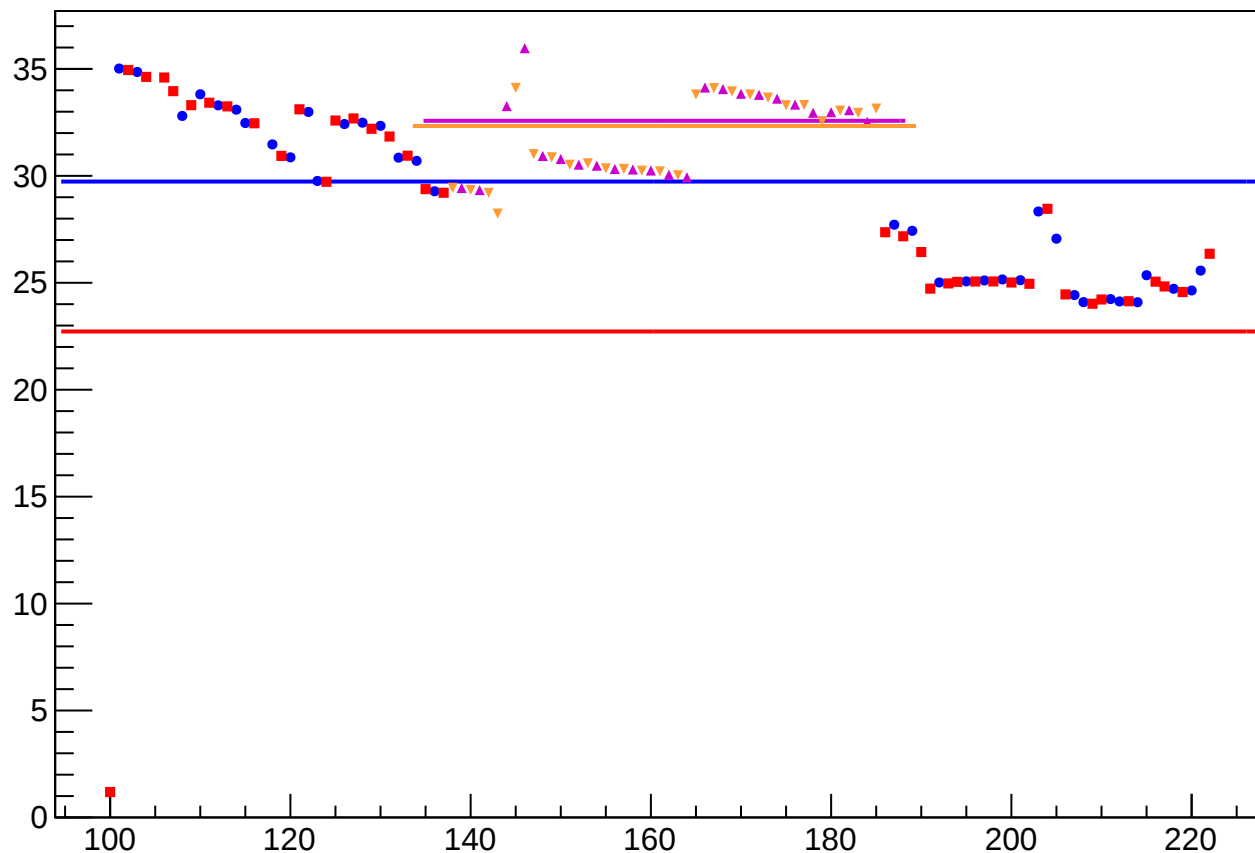
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.124+/-0.000 χ^2/NDF : 10926824.5/59

All: 0.126+/-0.000 χ^2/NDF : 22425582.3/120

- sign 0.129+/-0.000 χ^2/NDF : 11458120.2/60

yield_sam3_mean vs Slug



Right In: 29.733+/-0.000 χ^2/NDF : 12524801306.0/34

Left Out: 32.331+/-0.000 χ^2/NDF : 12850475096.2/24

Right Out: 22.724+/-0.000 χ^2/NDF : 233205491088.5/37

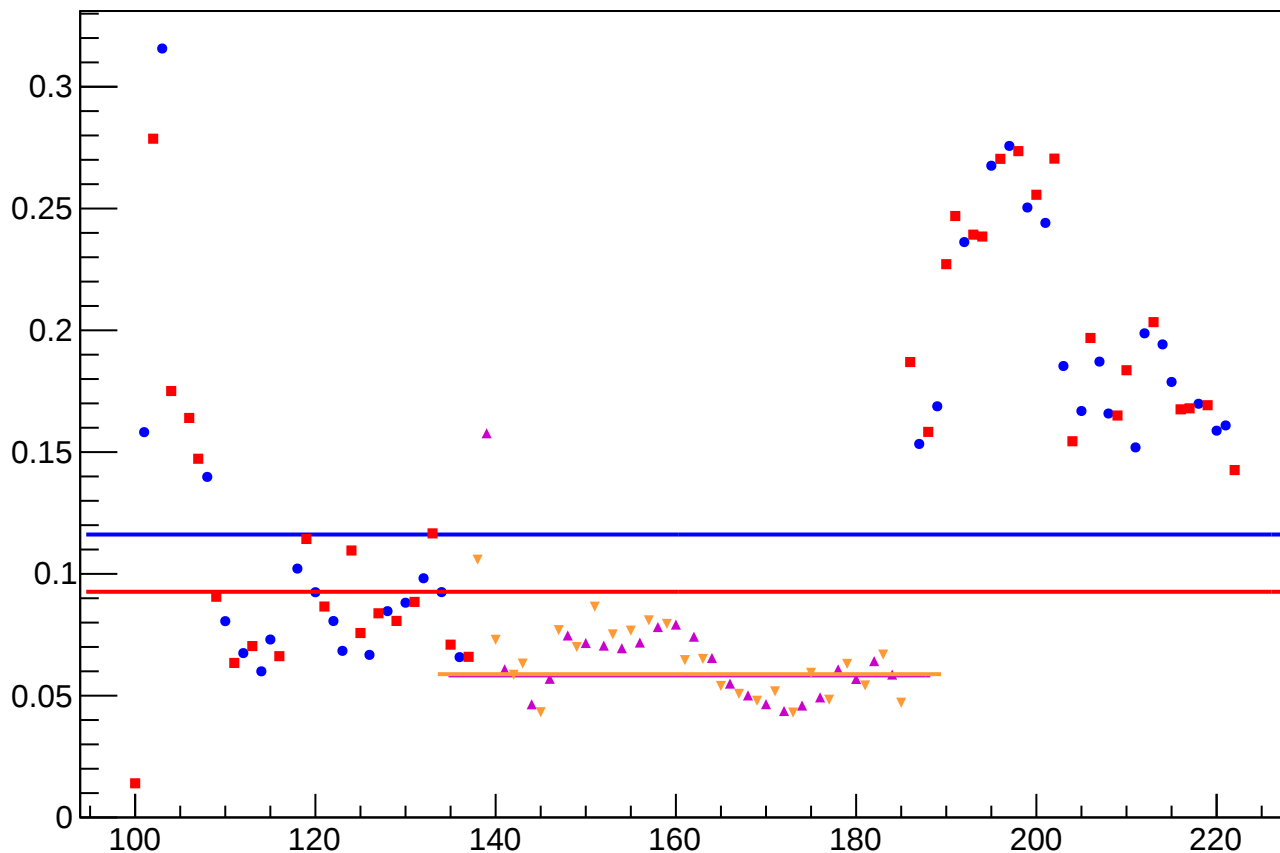
Left In: 32.574+/-0.000 χ^2/NDF : 11797772603.7/22

+ sign 31.797+/-0.000 χ^2/NDF : 31059670196.9/59

All: 30.864+/-0.000 χ^2/NDF : 385705555148.

- sign 29.963+/-0.000 χ^2/NDF : 345825341185.3/60

yield_sam3_rms vs Slug



Right In: 0.116 $\pm$ 0.000 χ^2 /NDF: 7037509.6/34

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 13029572.4/37

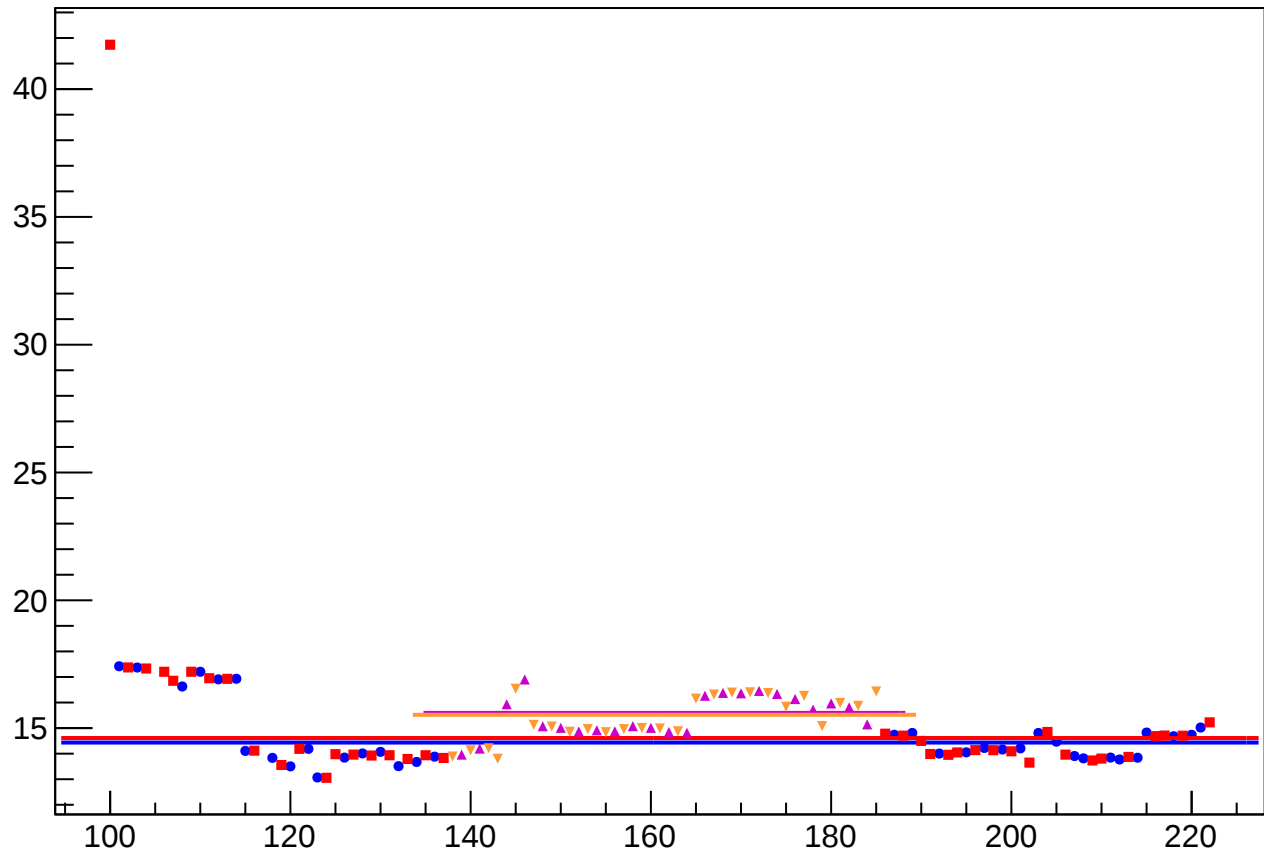
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.071 $\pm$ 0.000 χ^2 /NDF: 13978489.6/59

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 31038121.3/120

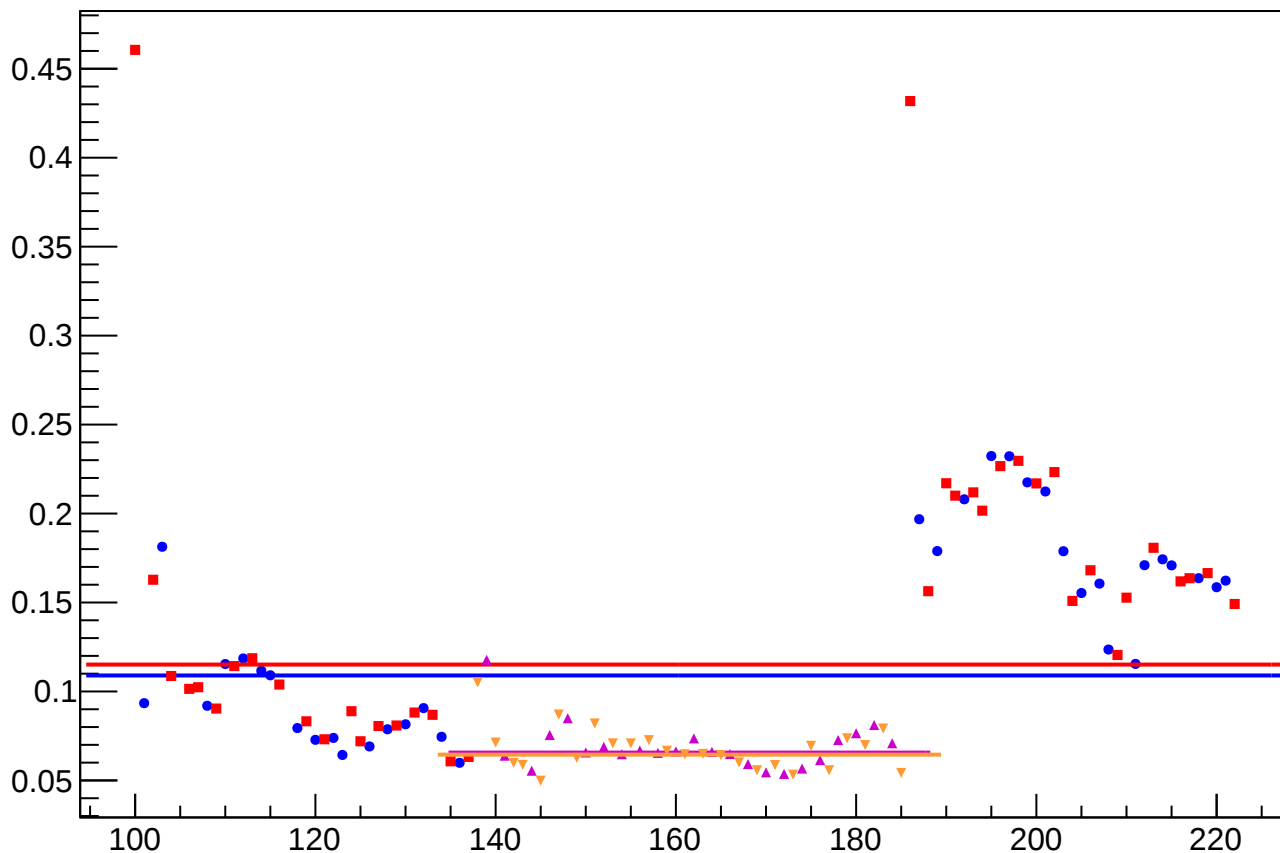
- sign 0.067 $\pm$ 0.000 χ^2 /NDF: 17005894.1/60

yield_sam4_mean vs Slug



Right In: 14.435+/-0.000	χ^2/NDF : 1581777447.8/34	+ sign 15.243+/-0.000	χ^2/NDF : 5304826124.4/59
Left Out: 15.521+/-0.000	χ^2/NDF : 2591377740.5/24	All: 15.289+/-0.000	χ^2/NDF : 10160283758.3
Right Out: 14.612+/-0.000	χ^2/NDF : 2053467089.9/37	- sign 15.337+/-0.000	χ^2/NDF : 4833987968.5/60
Left In: 15.595+/-0.000	χ^2/NDF : 1908733580.5/22		

yield_sam4_rms vs Slug



Right In: 0.109 $\pm$ 0.000 χ^2 /NDF: 6003282.8/34

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.115 $\pm$ 0.000 χ^2 /NDF: 5865857.3/37

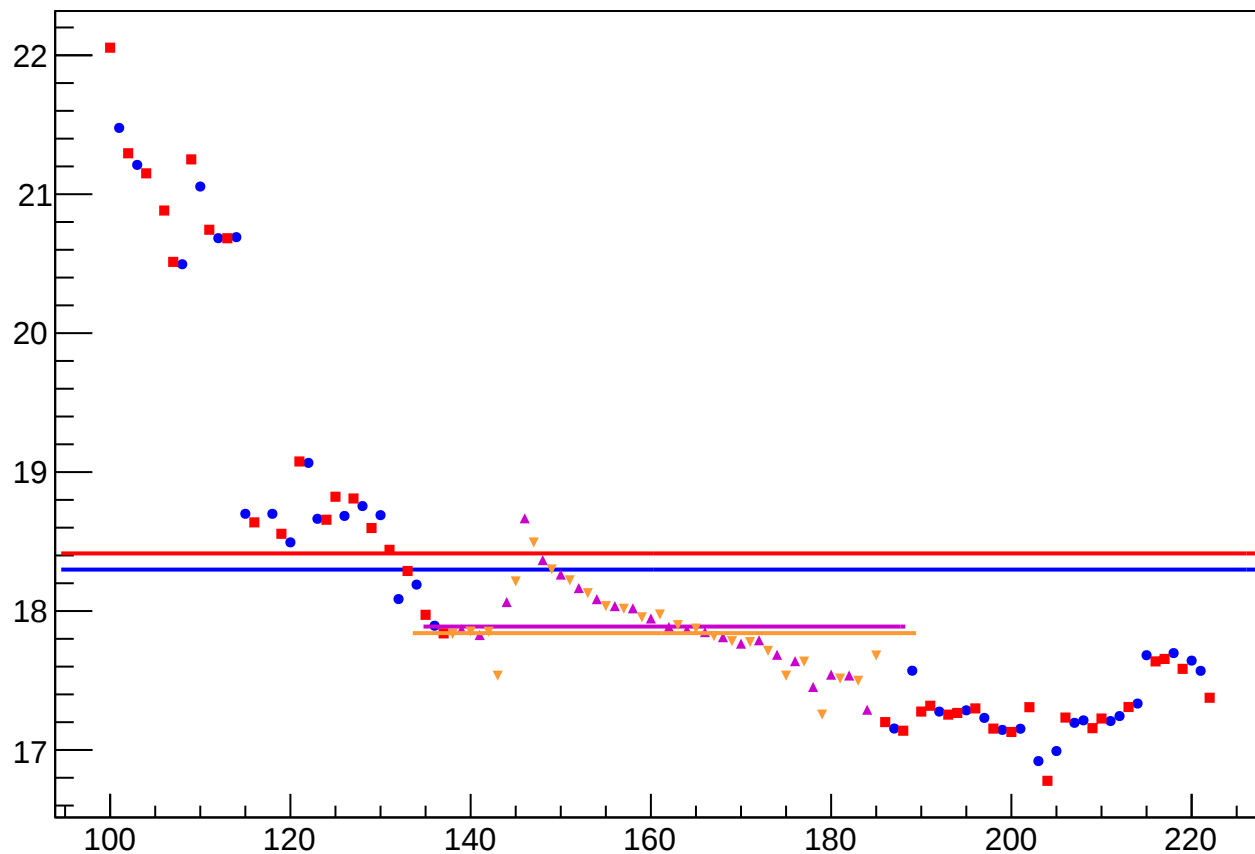
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.076 $\pm$ 0.000 χ^2 /NDF: 10561655.3/59

All: 0.077 $\pm$ 0.000 χ^2 /NDF: 21591838.2/120

- sign 0.079 $\pm$ 0.000 χ^2 /NDF: 10993646.6/60

yield_sam5_mean vs Slug



Right In: 18.298 $\pm$ 0.000 χ^2 /NDF: 32983372316.7/34

Left Out: 17.841 $\pm$ 0.000 χ^2 /NDF: 1283287989.7/24

Right Out: 18.415 $\pm$ 0.000 χ^2 /NDF: 35609843464.9/37

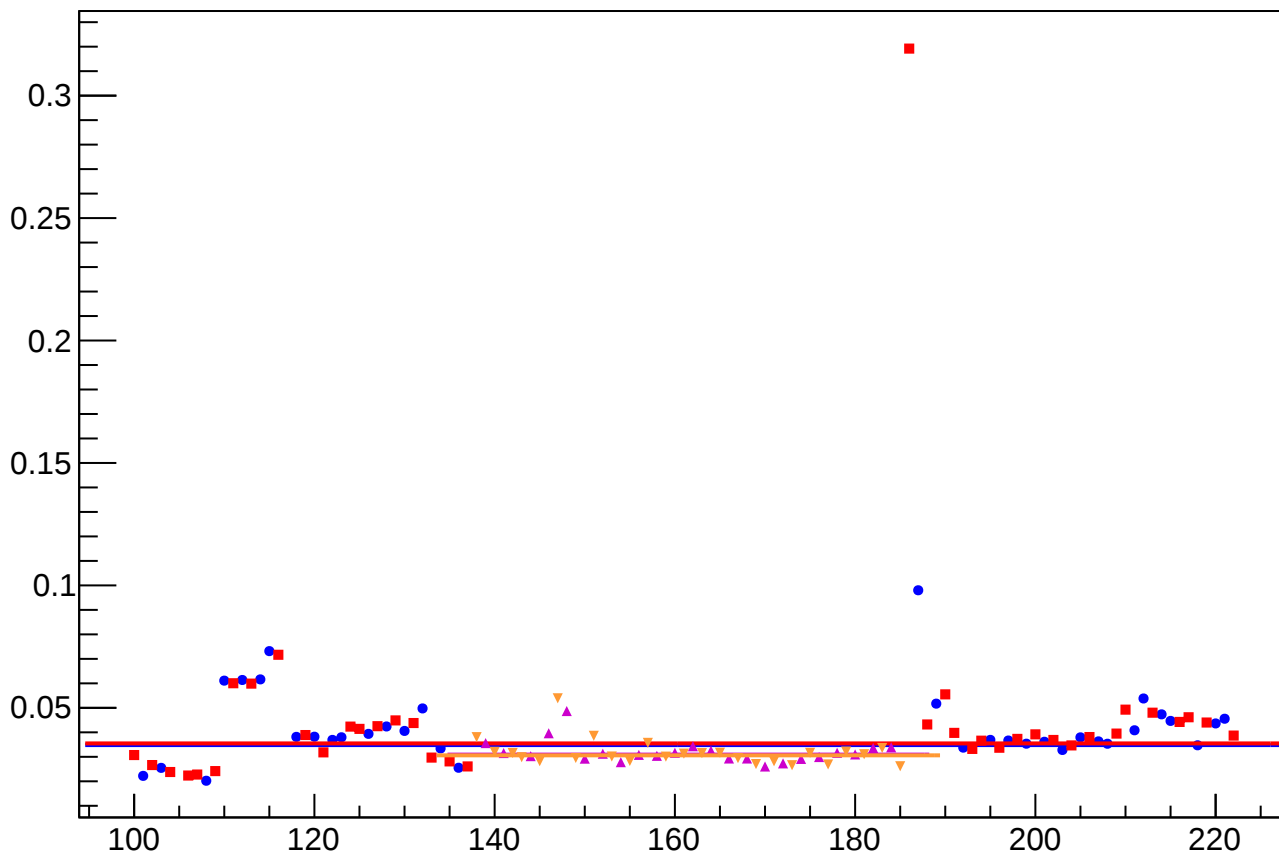
Left In: 17.888 $\pm$ 0.000 χ^2 /NDF: 1203002311.3/22

+ sign 18.040 $\pm$ 0.000 χ^2 /NDF: 35959352265.2/59

All: 18.082 $\pm$ 0.000 χ^2 /NDF: 75060037433.3

- sign 18.125 $\pm$ 0.000 χ^2 /NDF: 38981480724.7/60

yield_sam5_rms vs Slug



Right In: 0.035 $\pm$ 0.000 χ^2 /NDF: 2302723.1/34

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 2658347.0/37

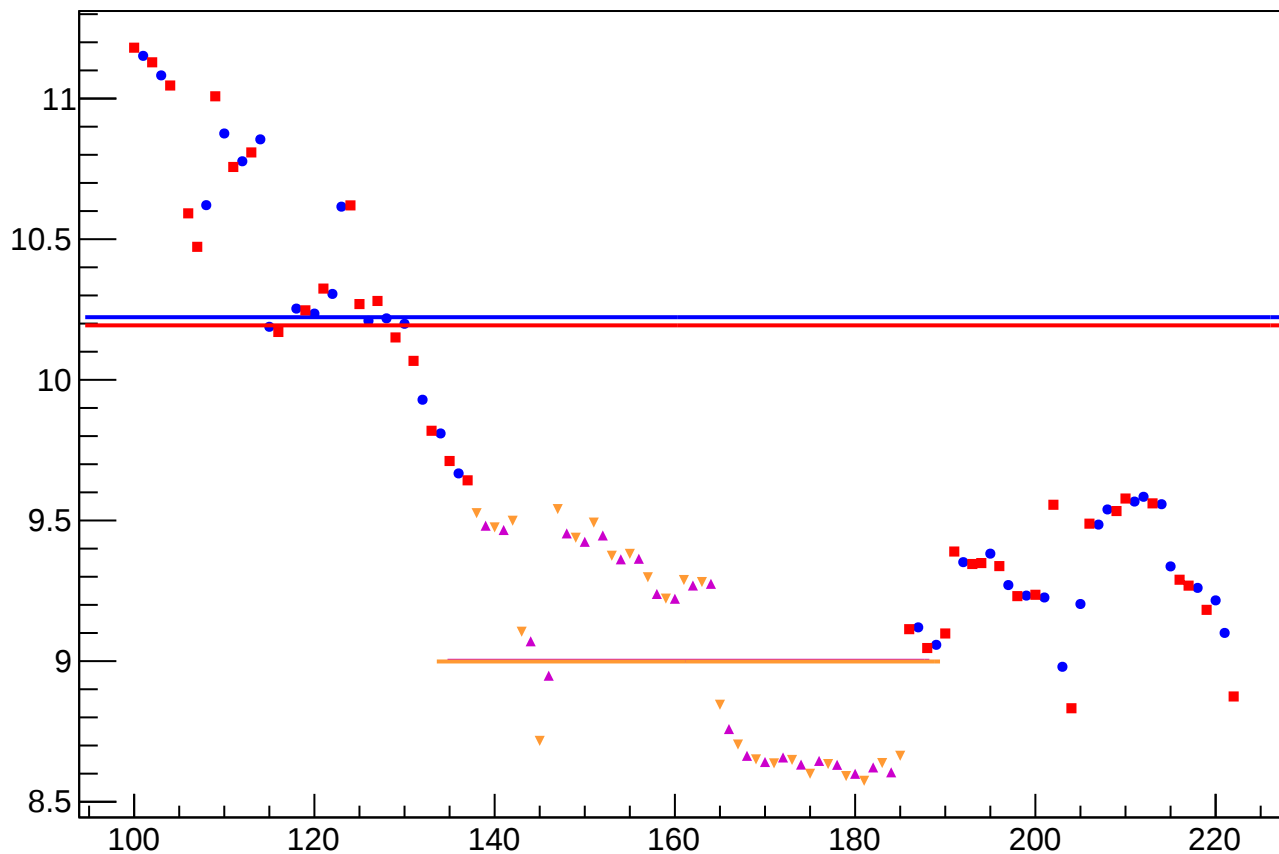
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 3176696.1/59

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 6625283.1/120

- sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3439243.0/60

yield_sam6_mean vs Slug



Right In: 10.223+/-0.000 χ^2/NDF : 19484916795.6/34

Left Out: 8.999+/-0.000 χ^2/NDF : 6392583736.5/24

Right Out: 10.194+/-0.000 χ^2/NDF : 19038219634.1/37

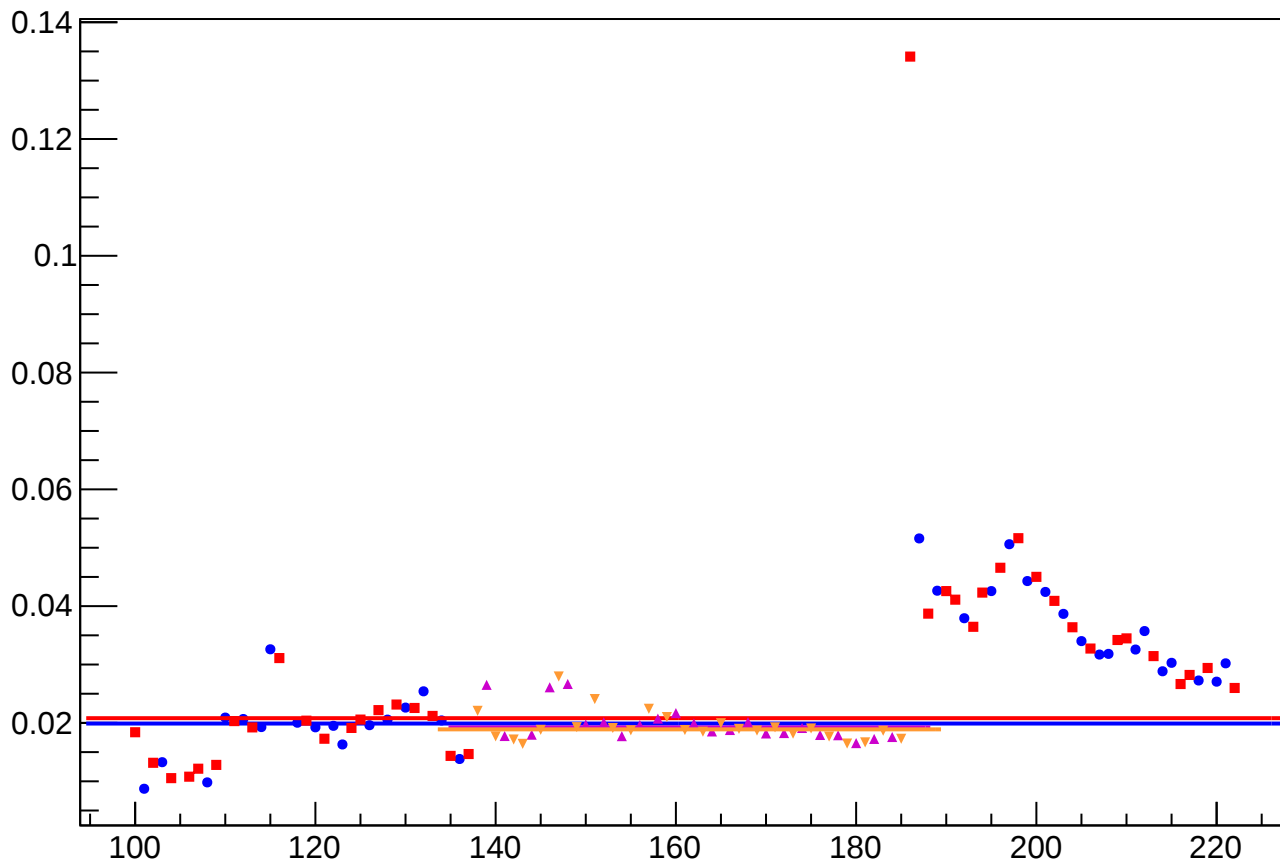
Left In: 9.001+/-0.000 χ^2/NDF : 5314536205.4/22

+ sign 9.534+/-0.000 χ^2/NDF : 56669905904.9/59

All: 9.539+/-0.000 χ^2/NDF : 108688982861.4

- sign 9.543+/-0.000 χ^2/NDF : 52015827354.6/60

yield_sam6_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 7873653.8/34

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 428169.5/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 7608395.7/37

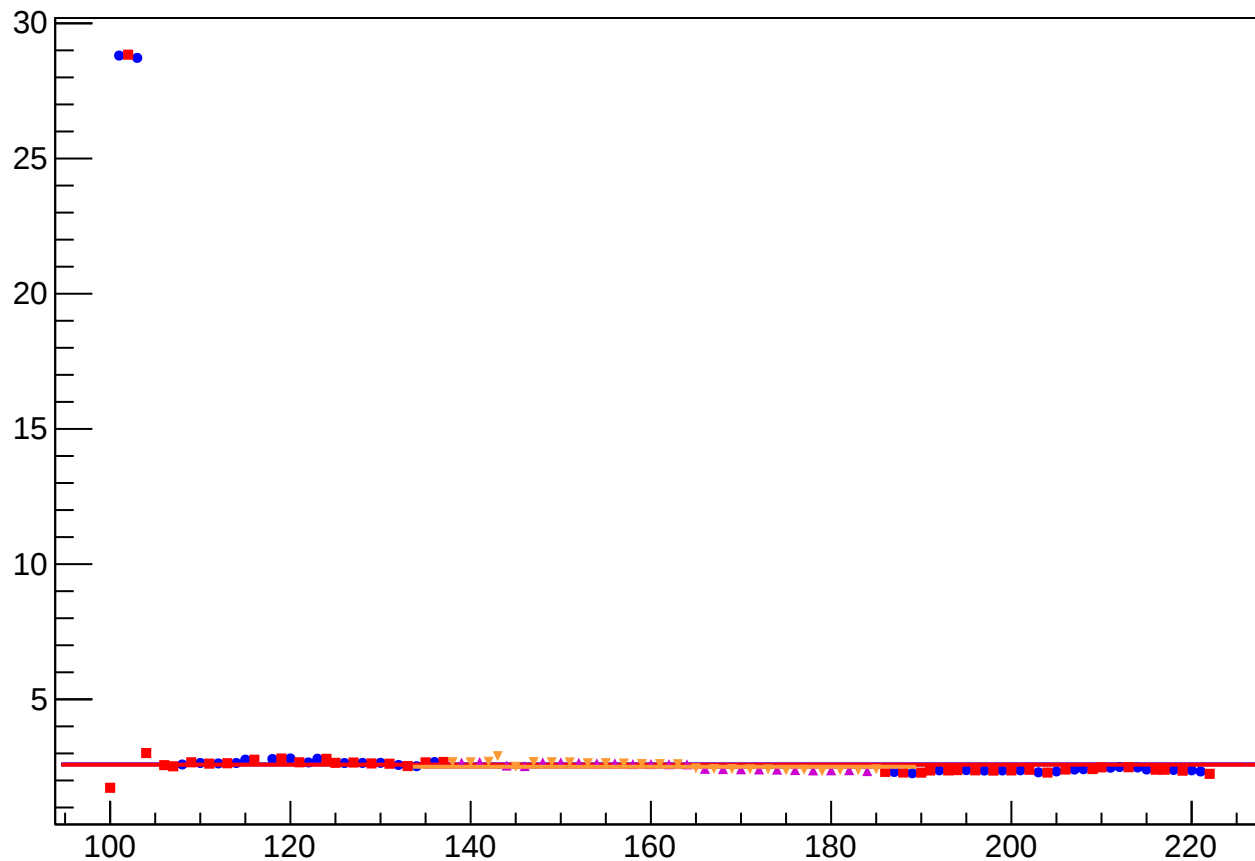
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 481824.0/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 8342647.7/59

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 16560893.1/120

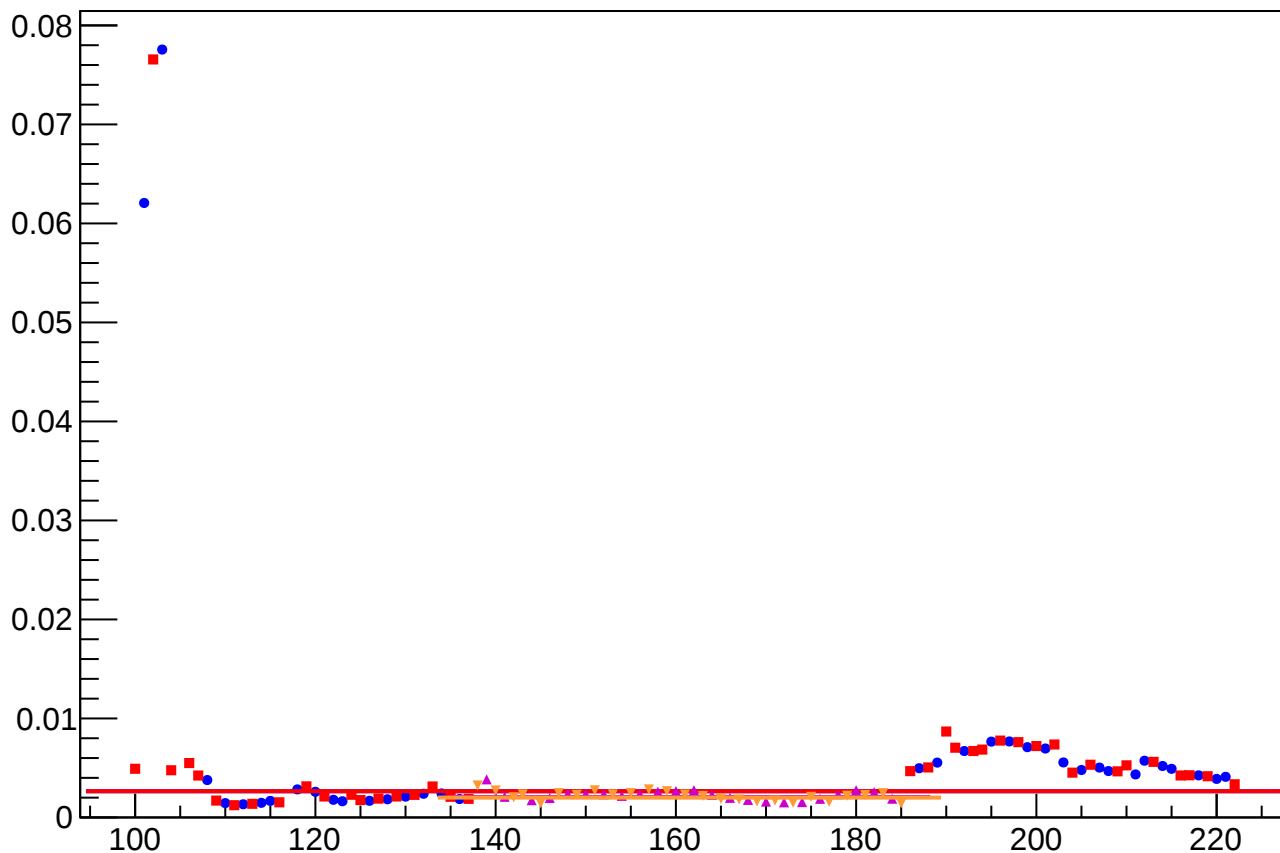
- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 8187953.0/60

yield_sam7_mean vs Slug



Right In: 2.595+/-0.000	χ^2/NDF : 189880776035.2/34	+ sign 2.536+/-0.000	χ^2/NDF : 263598513620.7/59
Left Out: 2.507+/-0.000	χ^2/NDF : 64277969186.7/24	All: 2.535+/-0.000	χ^2/NDF : 419152007643.2
Right Out: 2.585+/-0.000	χ^2/NDF : 105119840524.3/37	- sign 2.534+/-0.000	χ^2/NDF : 155546004674.4/60
Left In: 2.505+/-0.000	χ^2/NDF : 42893630742.5/22		

yield_sam7_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 11088069.6/34

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 11058815.3/37

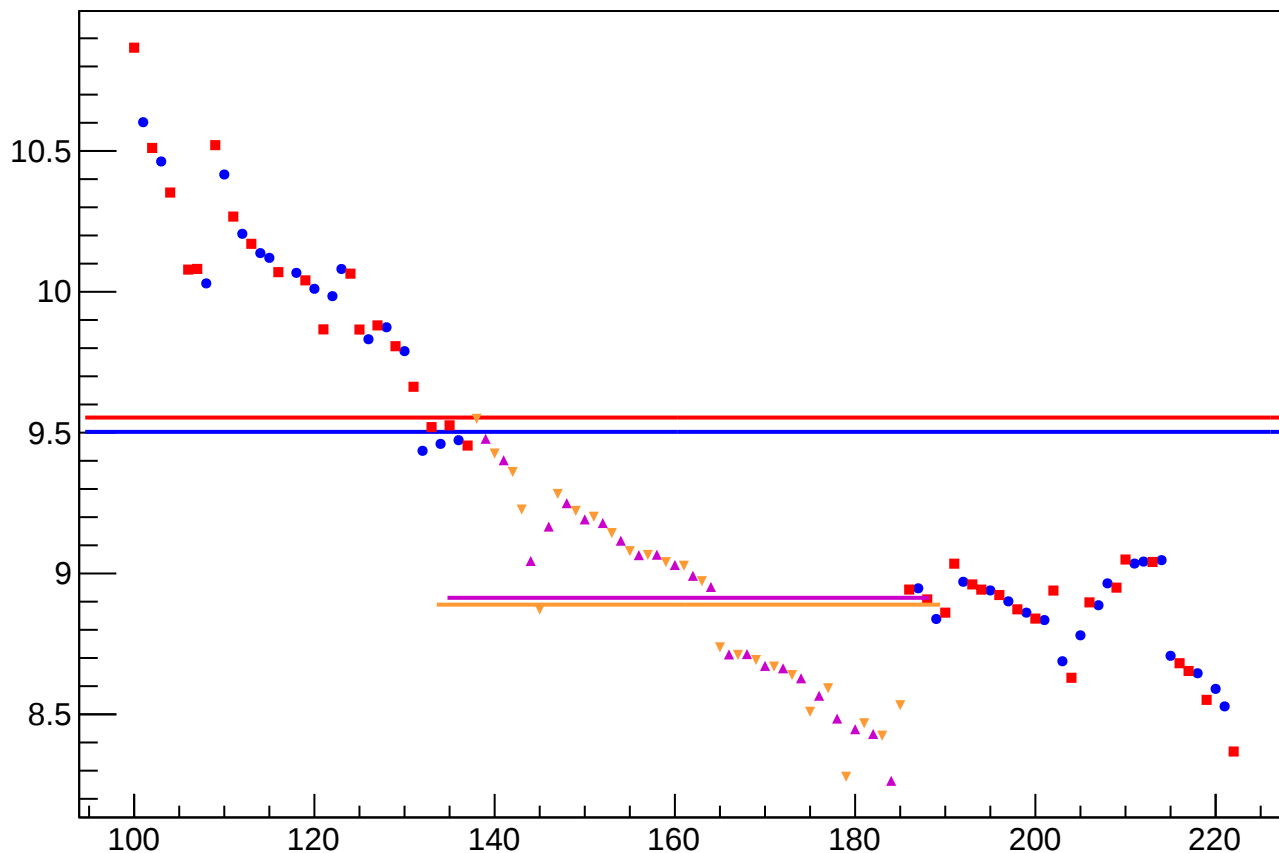
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13541610.5/59

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 26760306.0/120

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13201519.0/60

yield_sam8_mean vs Slug



Right In: 9.503 $\pm$ 0.000 χ^2 /NDF: 127749084409.0/34

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 9.554 $\pm$ 0.000 χ^2 /NDF: 155879155935.6/37

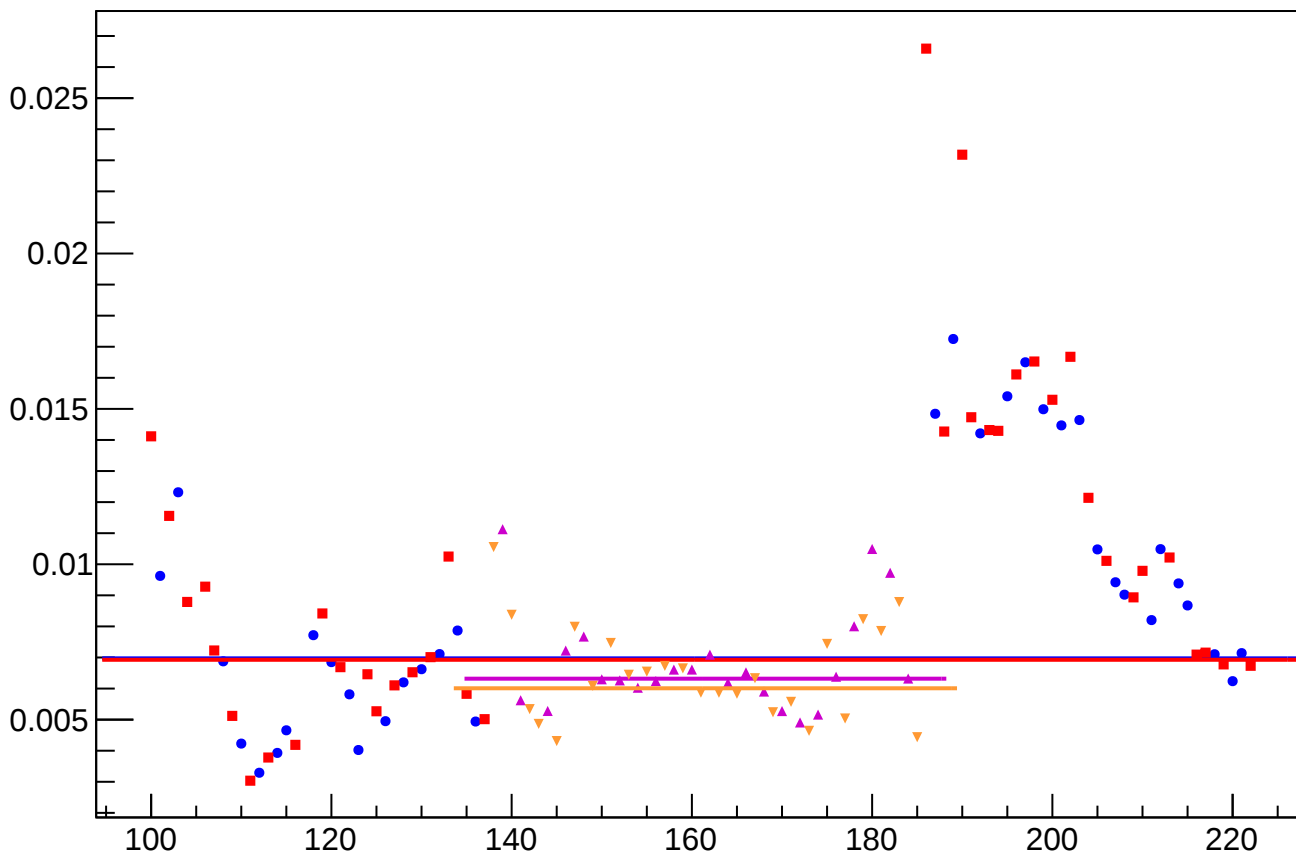
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.154 $\pm$ 0.000 χ^2 /NDF: 227884208560.7/59

All: 9.185 $\pm$ 0.000 χ^2 /NDF: 481242981666.2

- sign 9.217 $\pm$ 0.000 χ^2 /NDF: 252003167481.4/60

yield_sam8_rms vs Slug



Right In: 0.007 ± 0.000 χ^2/NDF : 6117615.7/34

Left Out: 0.006 ± 0.000 χ^2/NDF : 1312525.9/24

Right Out: 0.007 ± 0.000 χ^2/NDF : 7555221.3/37

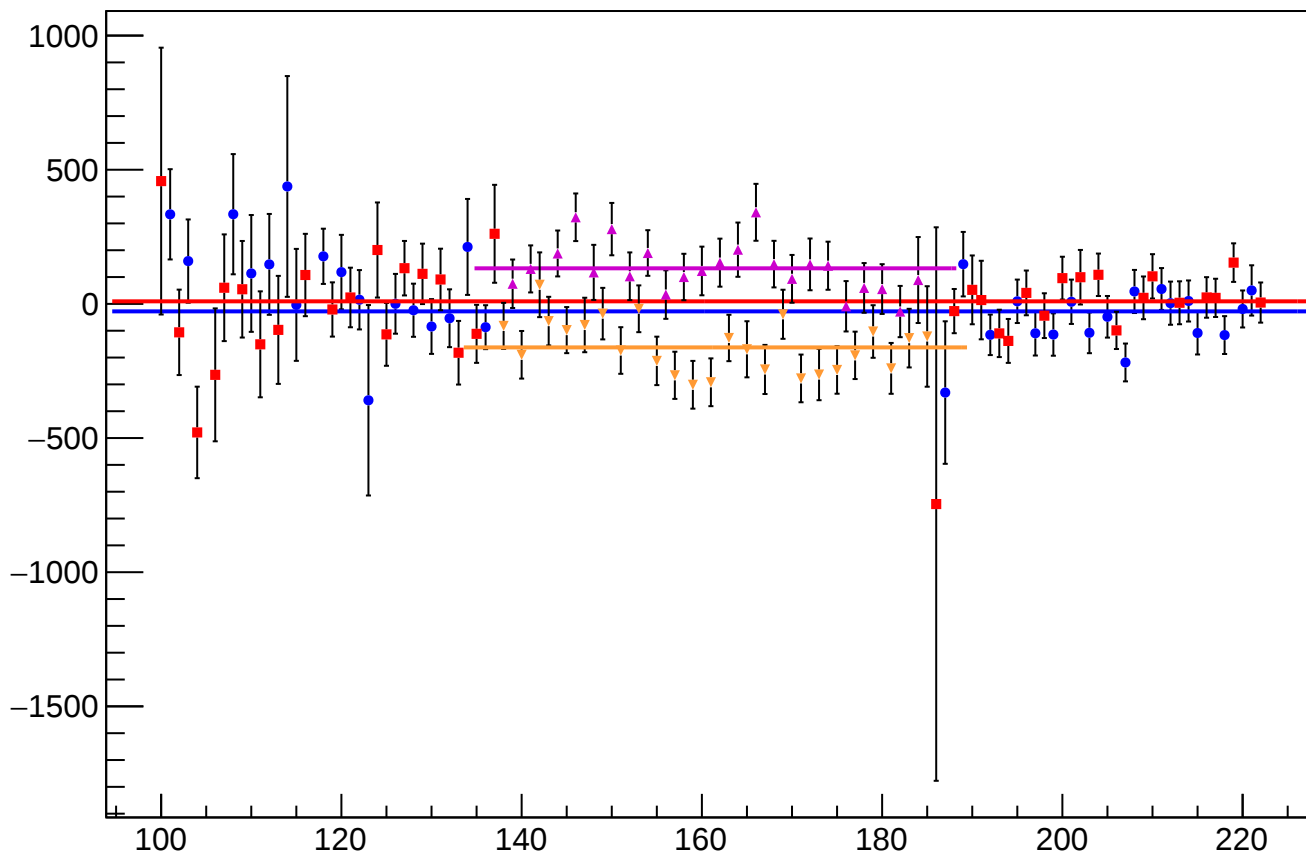
Left In: 0.006 ± 0.000 χ^2/NDF : 1087051.3/22

+ sign 0.006 ± 0.000 χ^2/NDF : 7752390.6/59

All: 0.007 ± 0.000 χ^2/NDF : 16539433.7/120

- sign 0.007 ± 0.000 χ^2/NDF : 8764437.6/60

reg_asym_sam1_mean vs Slug



Right In: -27.879 ± 16.472 χ^2/NDF : 41.6/34

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: 9.552 ± 16.639 χ^2/NDF : 41.0/37

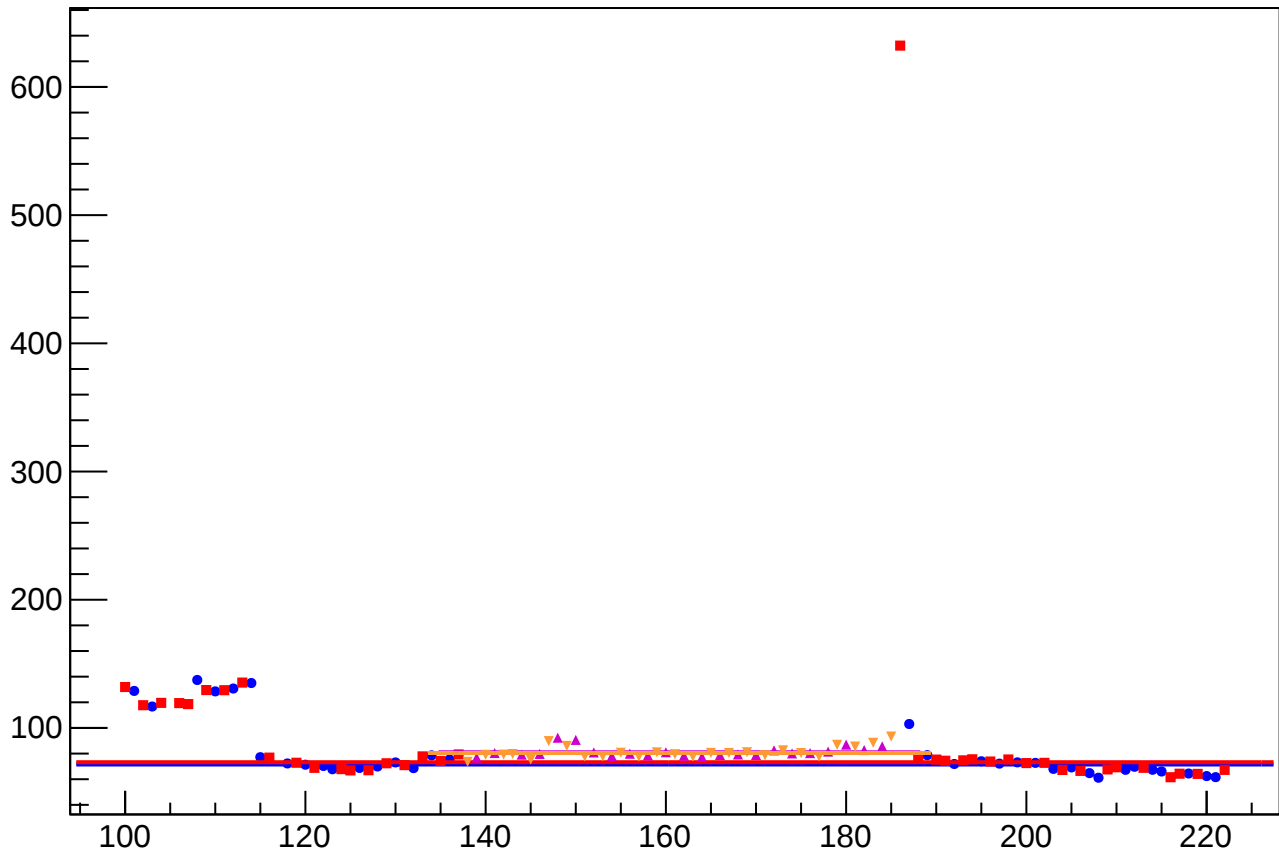
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -86.389 ± 12.373 χ^2/NDF : 96.3/59

All: -13.882 ± 8.839 χ^2/NDF : 251.3/120

- sign 61.676 ± 12.631 χ^2/NDF : 84.9/60

reg_asym_sam1_rms vs Slug



Right In: 71.480 $\pm$ 0.012 χ^2 /NDF: 1167037.2/34

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 73.272 $\pm$ 0.012 χ^2 /NDF: 1851432.3/37

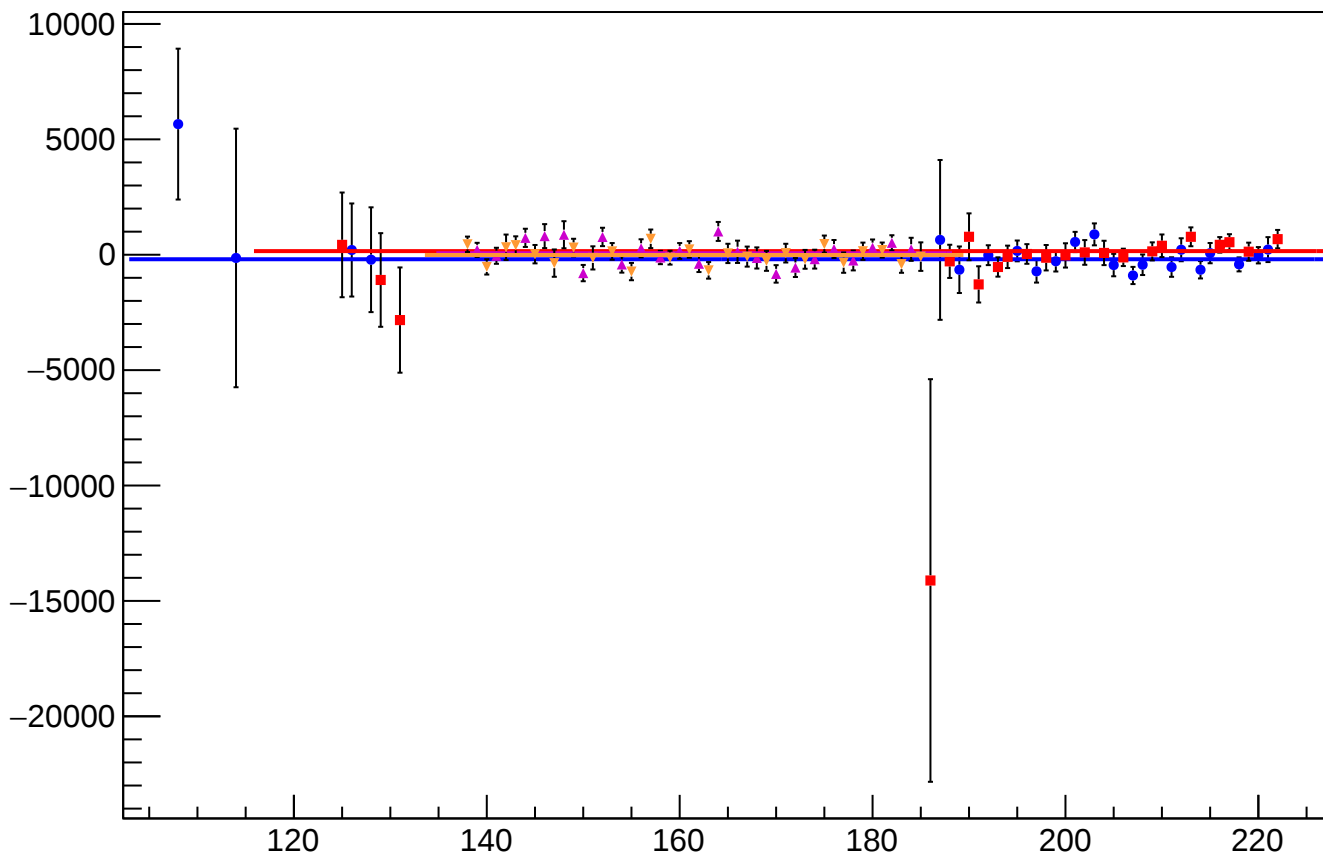
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 75.392 $\pm$ 0.009 χ^2 /NDF: 1515930.3/59

All: 75.960 $\pm$ 0.006 χ^2 /NDF: 3631693.1/120

- sign 76.553 $\pm$ 0.009 χ^2 /NDF: 2107144.7/60

asym_sam1_correction_mean vs Slug



Right In: -195.148 ± 104.551 χ^2/NDF : 22.2/21

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: 157.332 ± 106.428 χ^2/NDF : 19.0/21

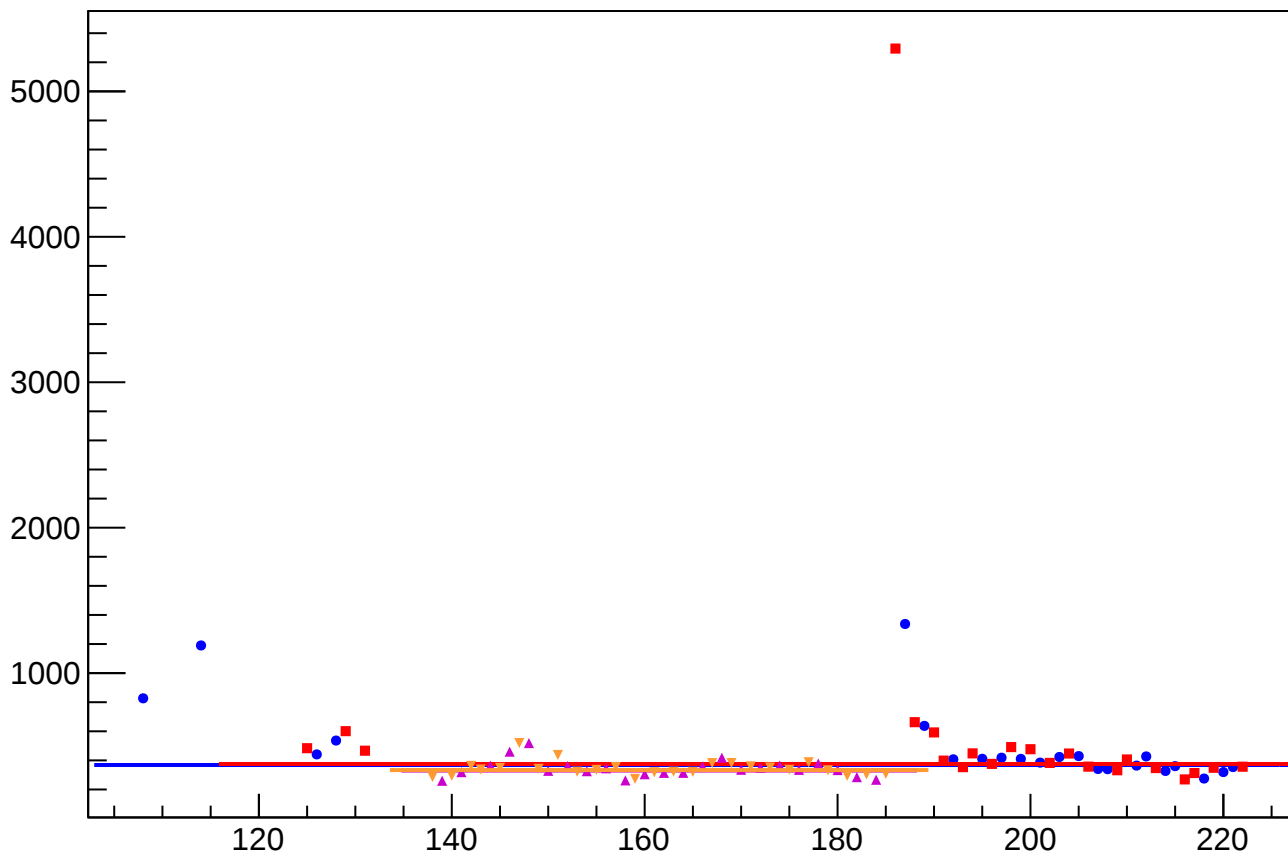
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -76.940 ± 62.719 χ^2/NDF : 46.8/46

All: 8.849 ± 44.786 χ^2/NDF : 107.5/91

- sign 98.099 ± 63.972 χ^2/NDF : 56.9/44

asym_sam1_correction_rms vs Slug



Right In: 368.228 $\pm$ 0.074 χ^2 /NDF: 828453.6/21

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 375.274 $\pm$ 0.075 χ^2 /NDF: 1655673.7/21

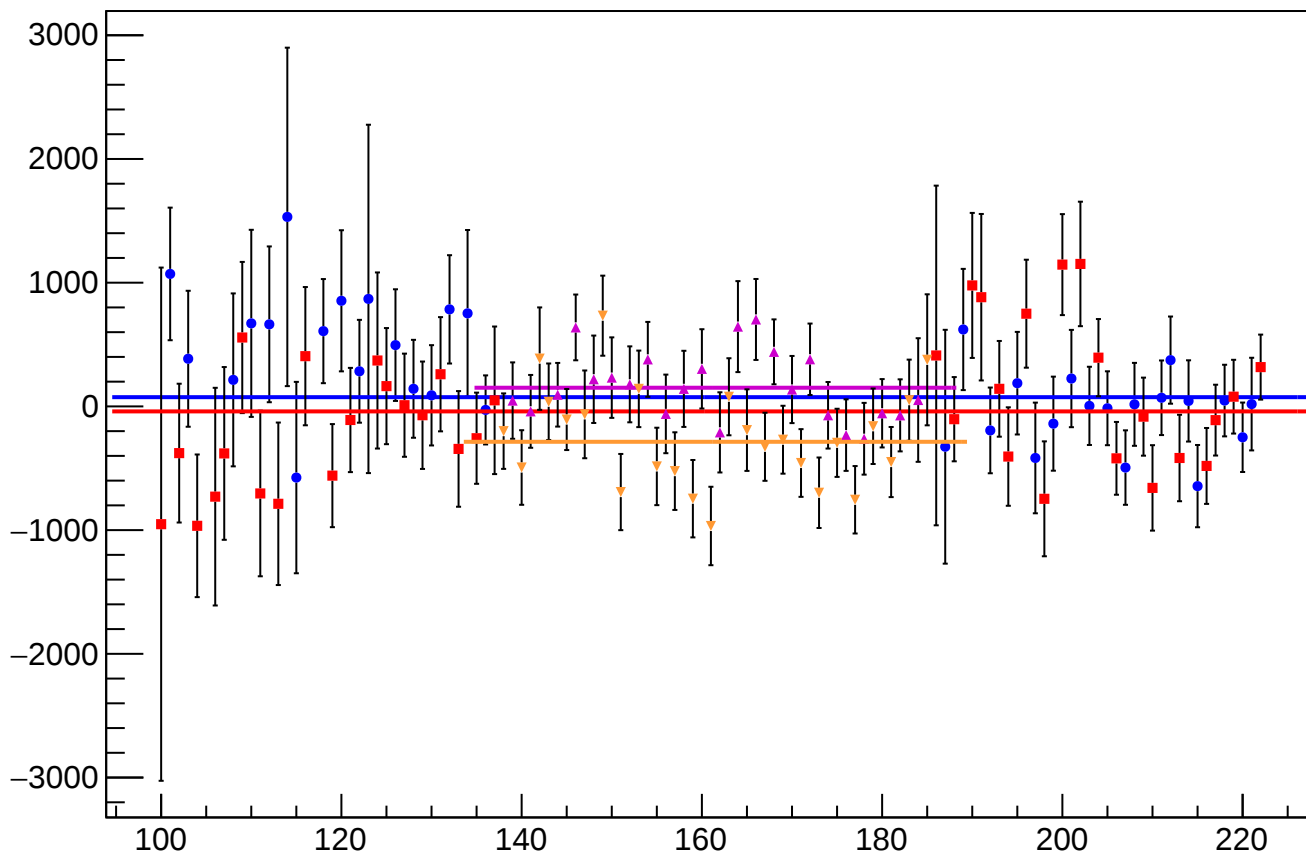
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 345.827 $\pm$ 0.044 χ^2 /NDF: 1564007.6/46

All: 346.082 $\pm$ 0.032 χ^2 /NDF: 4247029.8/91

- sign 346.348 $\pm$ 0.045 χ^2 /NDF: 2682954.4/44

reg_asym_sam2_mean vs Slug



Right In: 74.637 ± 68.028 χ^2/NDF : 30.2/34

Left Out: -286.030 ± 61.095 χ^2/NDF : 36.6/24

Right Out: -40.409 ± 68.563 χ^2/NDF : 49.1/37

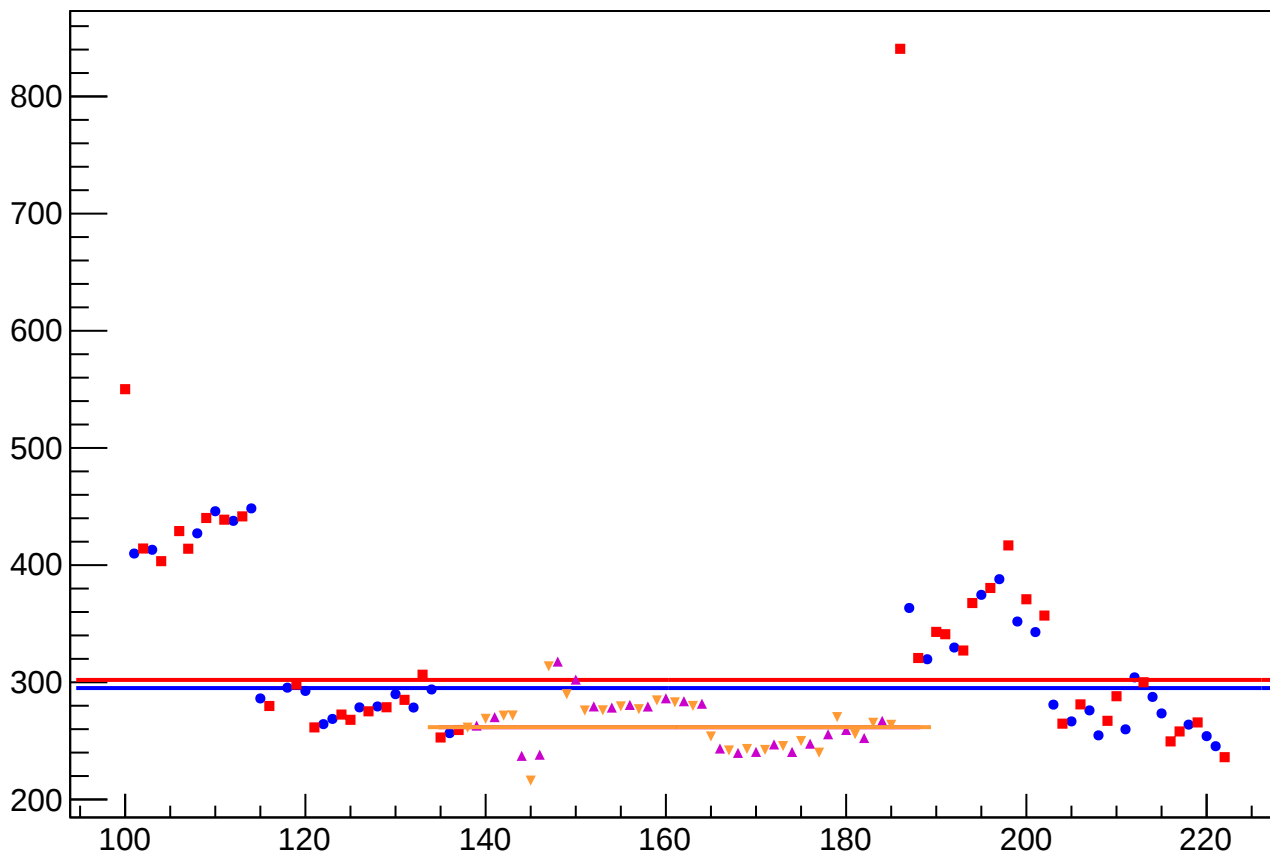
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -125.008 ± 45.455 χ^2/NDF : 82.3/59

All: -32.473 ± 32.442 χ^2/NDF : 162.7/120

- sign 63.607 ± 46.317 χ^2/NDF : 72.0/60

reg_asym_sam2_rms vs Slug



Right In: 295.071 $\pm$ 0.048 χ^2 /NDF: 990081.2/34

Left Out: 261.722 $\pm$ 0.043 χ^2 /NDF: 233222.6/24

Right Out: 302.031 $\pm$ 0.048 χ^2 /NDF: 1626838.8/37

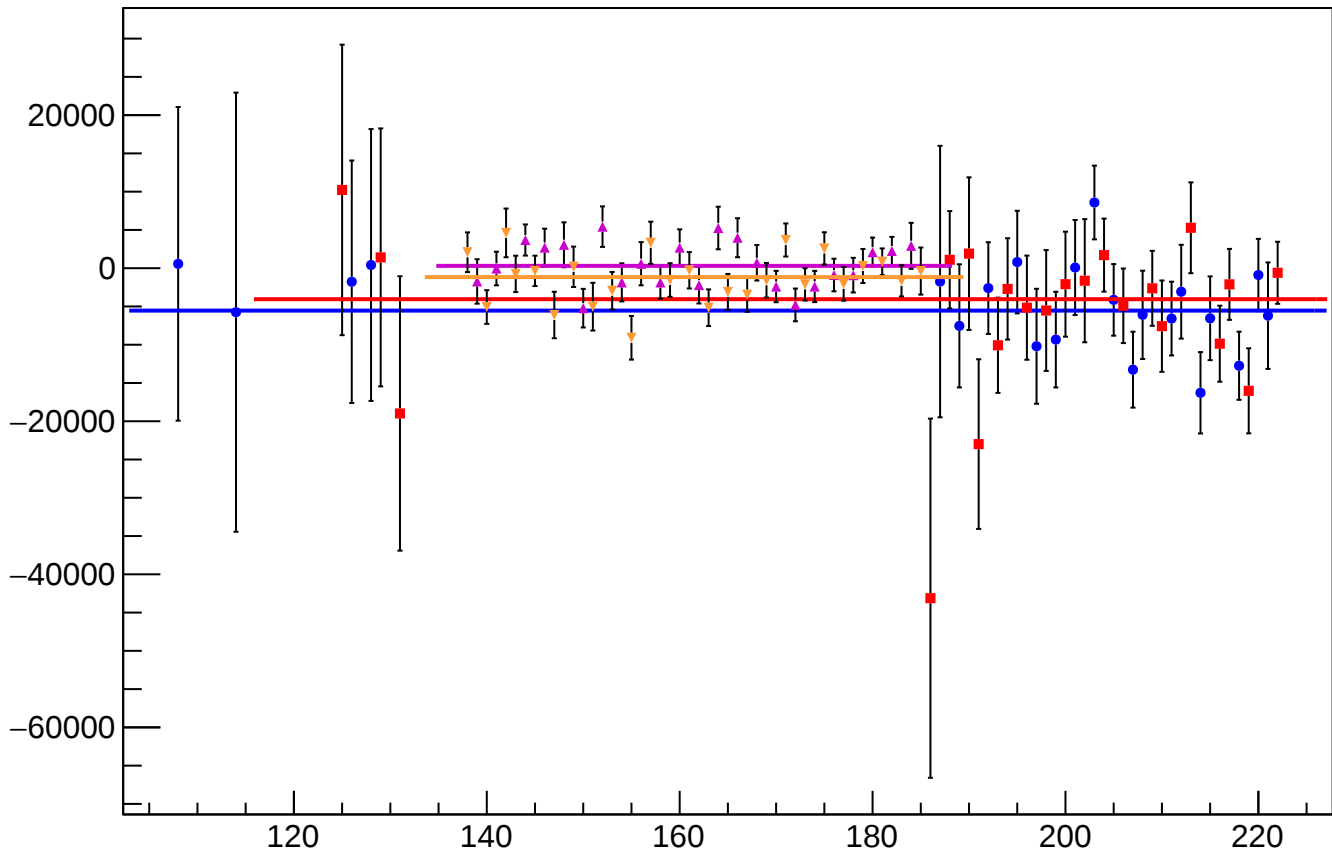
Left In: 261.637 $\pm$ 0.044 χ^2 /NDF: 228241.3/22

+ sign 276.611 $\pm$ 0.032 χ^2 /NDF: 1489367.5/59

All: 278.308 $\pm$ 0.023 χ^2 /NDF: 3727548.8/120

- sign 280.071 $\pm$ 0.033 χ^2 /NDF: 2232495.6/60

asym_sam2_correction_mean vs Slug



Right In: -5541.640 $\pm$ 1333.130 χ^2 /NDF: 22.1/21

Left Out: -1161.443 $\pm$ 469.036 χ^2 /NDF: 38.8/24

Right Out: -4051.015 $\pm$ 1358.797 χ^2 /NDF: 20.6/21

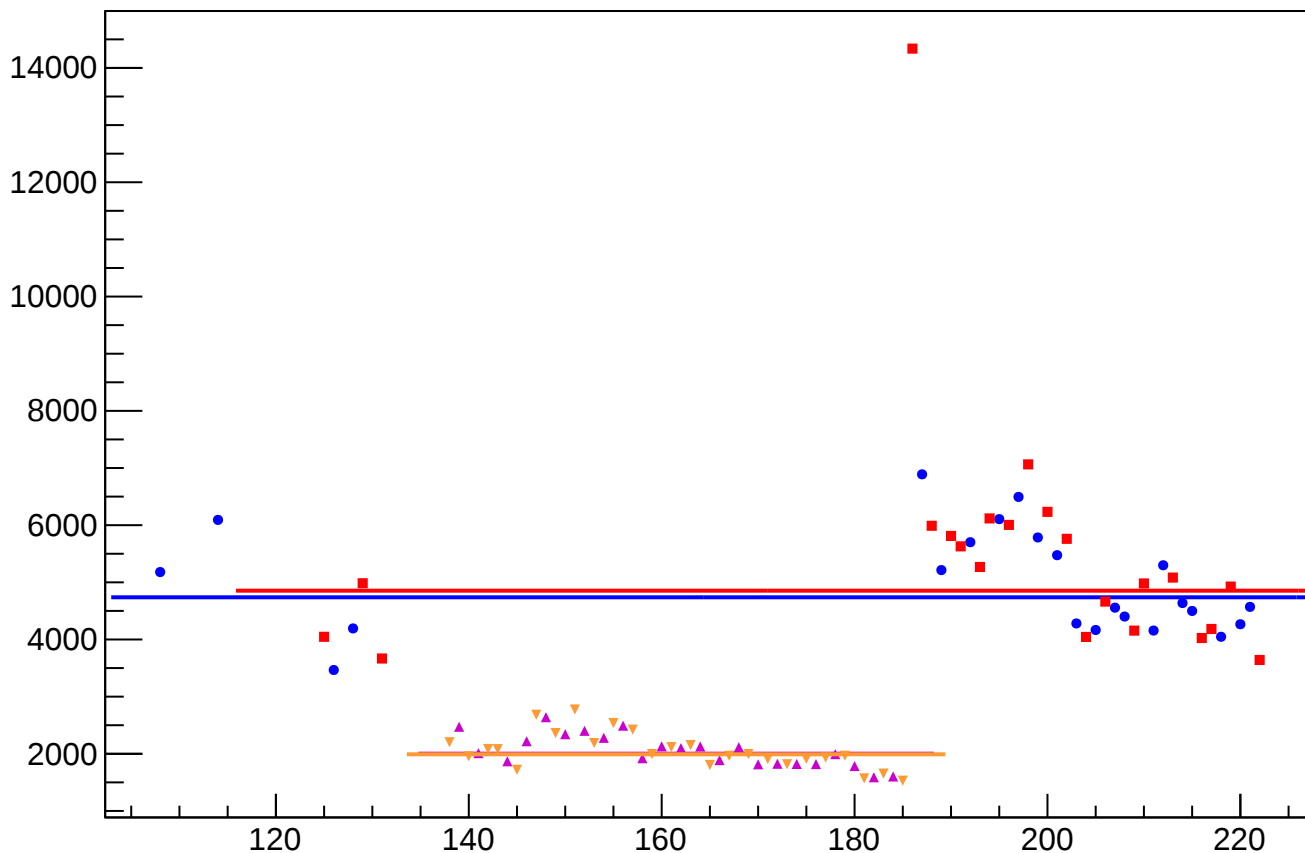
Left In: 304.366 $\pm$ 483.778 χ^2 /NDF: 35.4/22

+ sign -1643.921 $\pm$ 442.451 χ^2 /NDF: 70.5/46

All: -936.362 $\pm$ 317.459 χ^2 /NDF: 140.8/91

- sign -185.614 $\pm$ 455.754 χ^2 /NDF: 65.1/44

asym_sam2_correction_rms vs Slug



Right In: 4738.196+/-0.943 $\chi^2/\text{NDF}: 562290.2/21$

Left Out: 1991.105+/-0.332 $\chi^2/\text{NDF}: 726310.6/24$

Right Out: 4854.031+/-0.961 $\chi^2/\text{NDF}: 1214790.5/21$

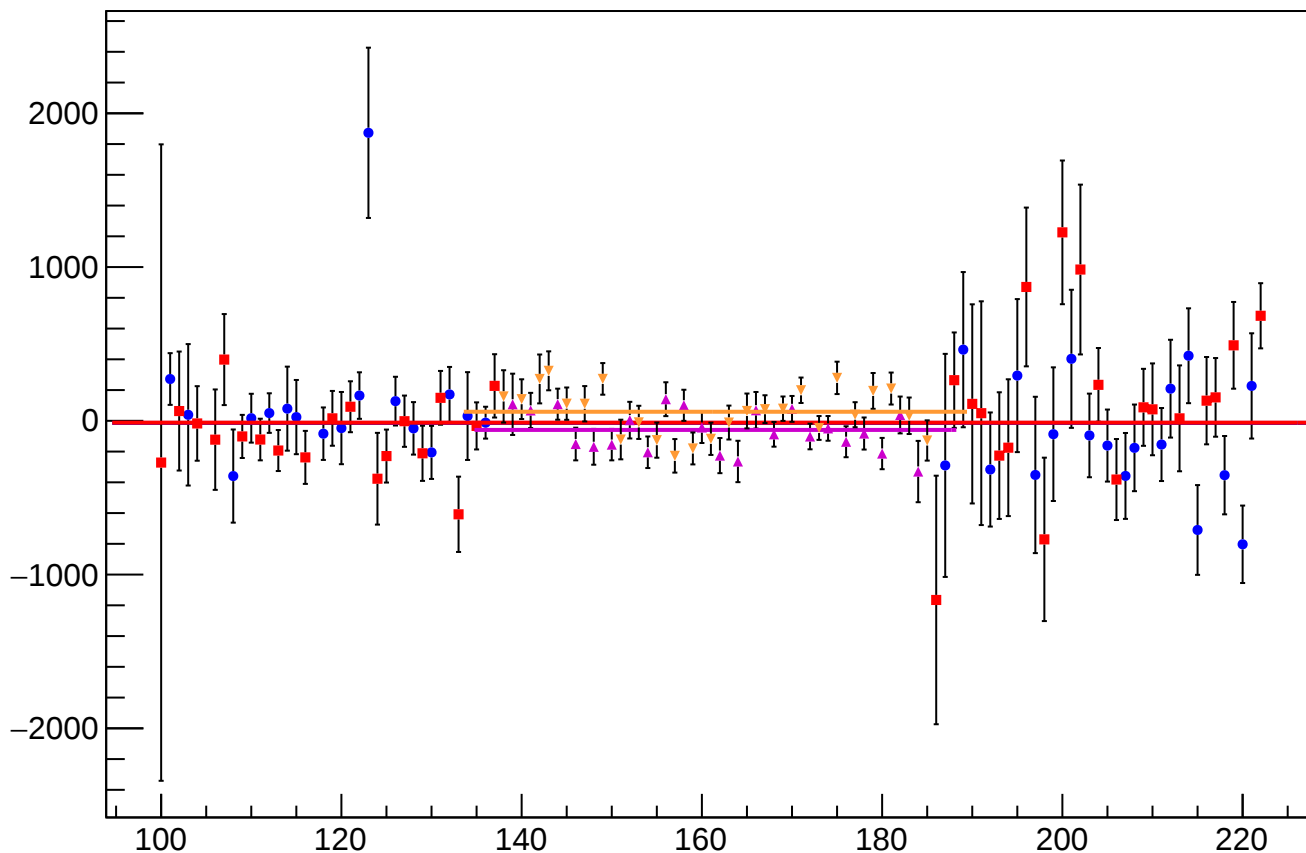
Left In: 2002.154+/-0.342 $\chi^2/\text{NDF}: 585947.4/22$

+ sign 2293.697+/-0.313 $\chi^2/\text{NDF}: 8845579.4/46$

All: 2307.909+/-0.224 $\chi^2/\text{NDF}: 18469564.4/9$

- sign 2322.990+/-0.322 $\chi^2/\text{NDF}: 9619731.6/44$

reg_asym_sam3_mean vs Slug



Right In: -13.721 ± 37.709 $\chi^2/\text{NDF}: 47.4/34$

Left Out: 58.983 ± 21.137 $\chi^2/\text{NDF}: 46.9/24$

Right Out: -12.034 ± 37.589 $\chi^2/\text{NDF}: 56.0/37$

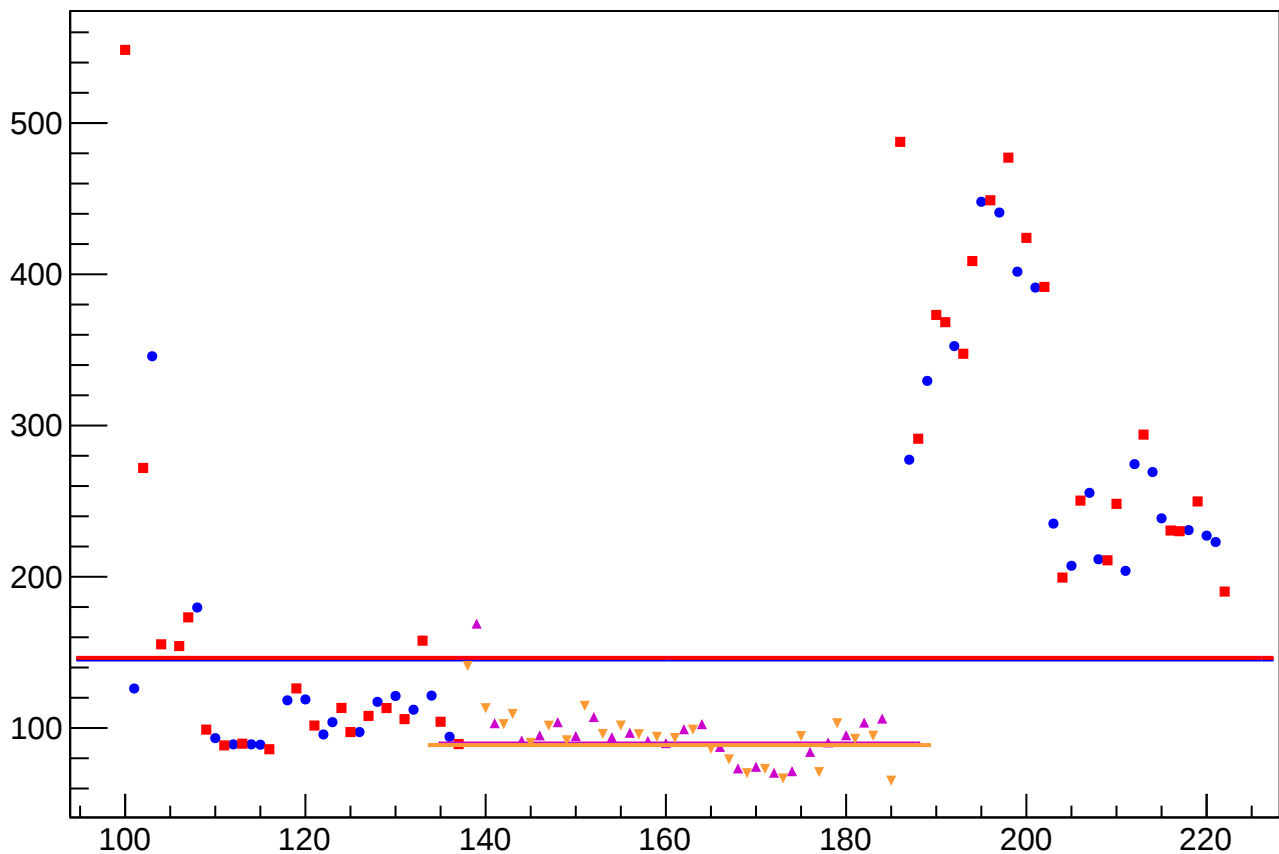
Left In: -59.235 ± 21.921 $\chi^2/\text{NDF}: 29.4/22$

+ sign 41.601 ± 18.438 $\chi^2/\text{NDF}: 97.1/59$

All: -1.644 ± 13.210 $\chi^2/\text{NDF}: 195.0/120$

- sign -47.256 ± 18.936 $\chi^2/\text{NDF}: 86.5/60$

reg_asym_sam3_rms vs Slug



Right In: 145.305 $\pm$ 0.027 χ^2 /NDF: 8333411.4/34

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 146.386 $\pm$ 0.027 χ^2 /NDF: 9304412.1/37

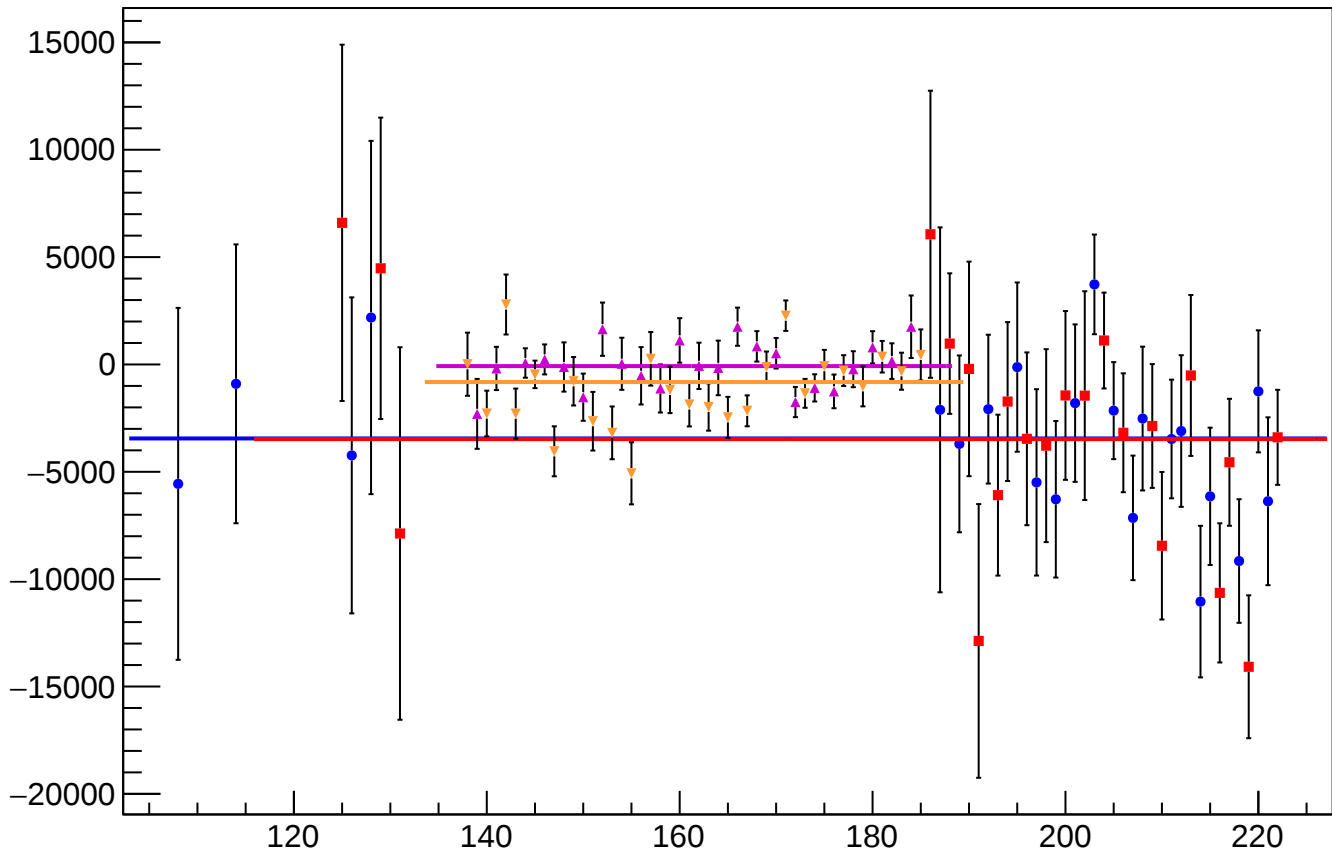
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 102.270 $\pm$ 0.013 χ^2 /NDF: 12835961.6/59

All: 103.178 $\pm$ 0.009 χ^2 /NDF: 26422444.6/12

- sign 104.135 $\pm$ 0.013 χ^2 /NDF: 13576516.7/60

asym_sam3_correction_mean vs Slug



Right In: -3446.296 $\pm$ 748.765 χ^2 /NDF: 24.7/21

Left Out: -818.877 $\pm$ 184.464 χ^2 /NDF: 68.2/24

Right Out: -3476.612 $\pm$ 766.417 χ^2 /NDF: 32.8/21

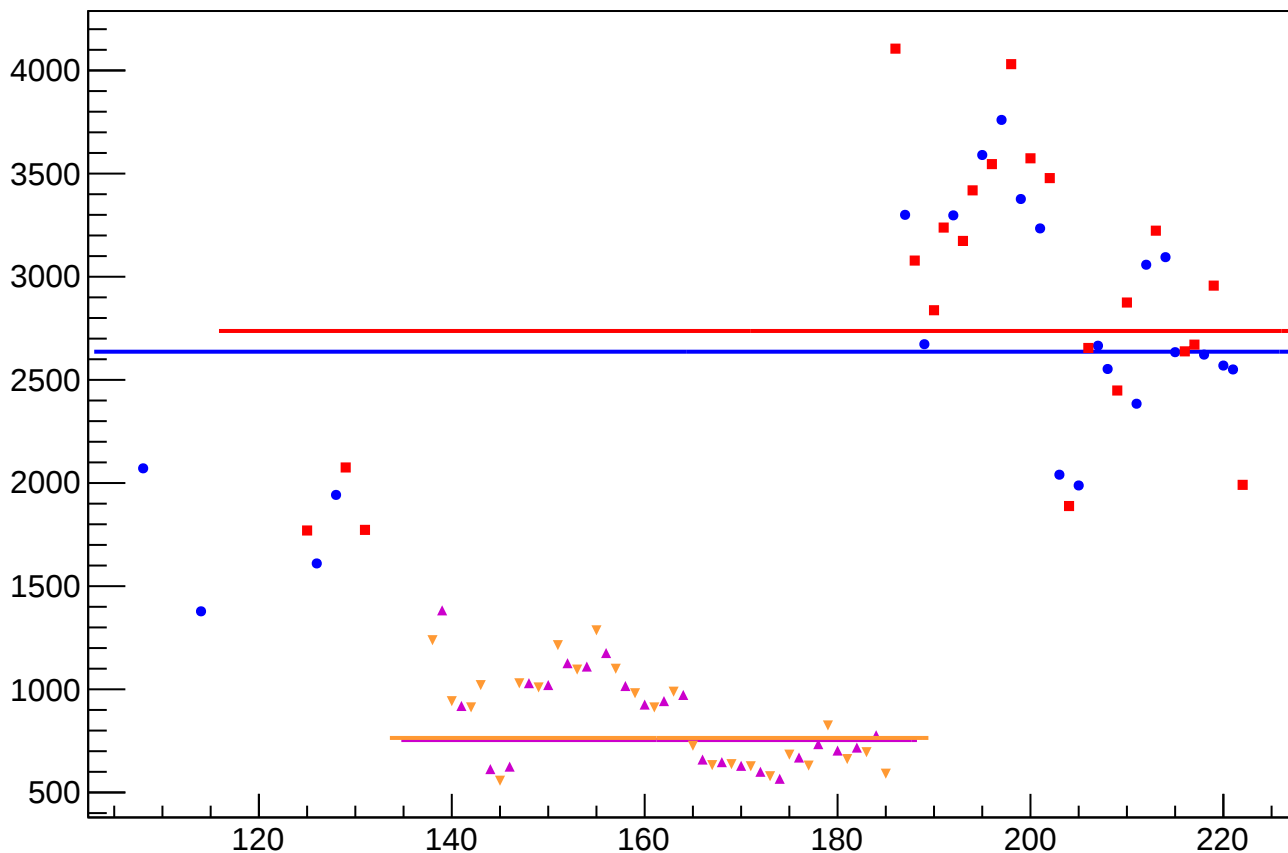
Left In: -76.204 $\pm$ 186.651 χ^2 /NDF: 28.3/22

+ sign -969.216 $\pm$ 179.109 χ^2 /NDF: 104.5/46

All: -622.272 $\pm$ 127.434 χ^2 /NDF: 191.8/91

- sign -266.591 $\pm$ 181.350 χ^2 /NDF: 79.7/44

asym_sam3_correction_rms vs Slug



Right In: 2636.620+/-0.529 χ^2/NDF : 988746.7/21

Left Out: 764.280+/-0.130 χ^2/NDF : 2315985.8/24

Right Out: 2737.090+/-0.542 χ^2/NDF : 1253733.6/21

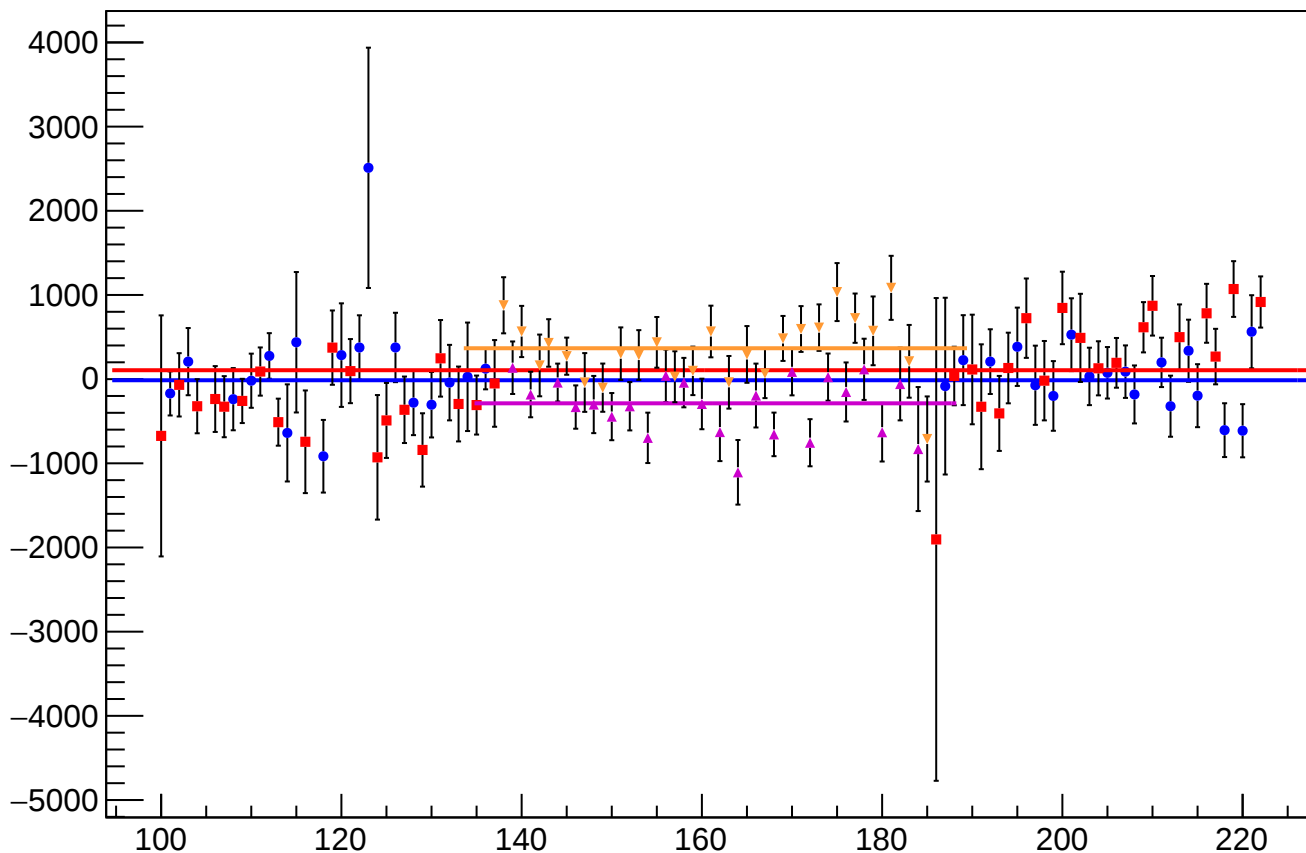
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 871.413+/-0.127 χ^2/NDF : 15094868.5/46

All: 868.275+/-0.090 χ^2/NDF : 31003315.6/91

- sign 865.057+/-0.128 χ^2/NDF : 15907203.3/44

reg_asym_sam4_mean vs Slug



Right In: -13.181 ± 64.180 χ^2/NDF : 29.4/34

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: 105.895 ± 63.054 χ^2/NDF : 61.7/37

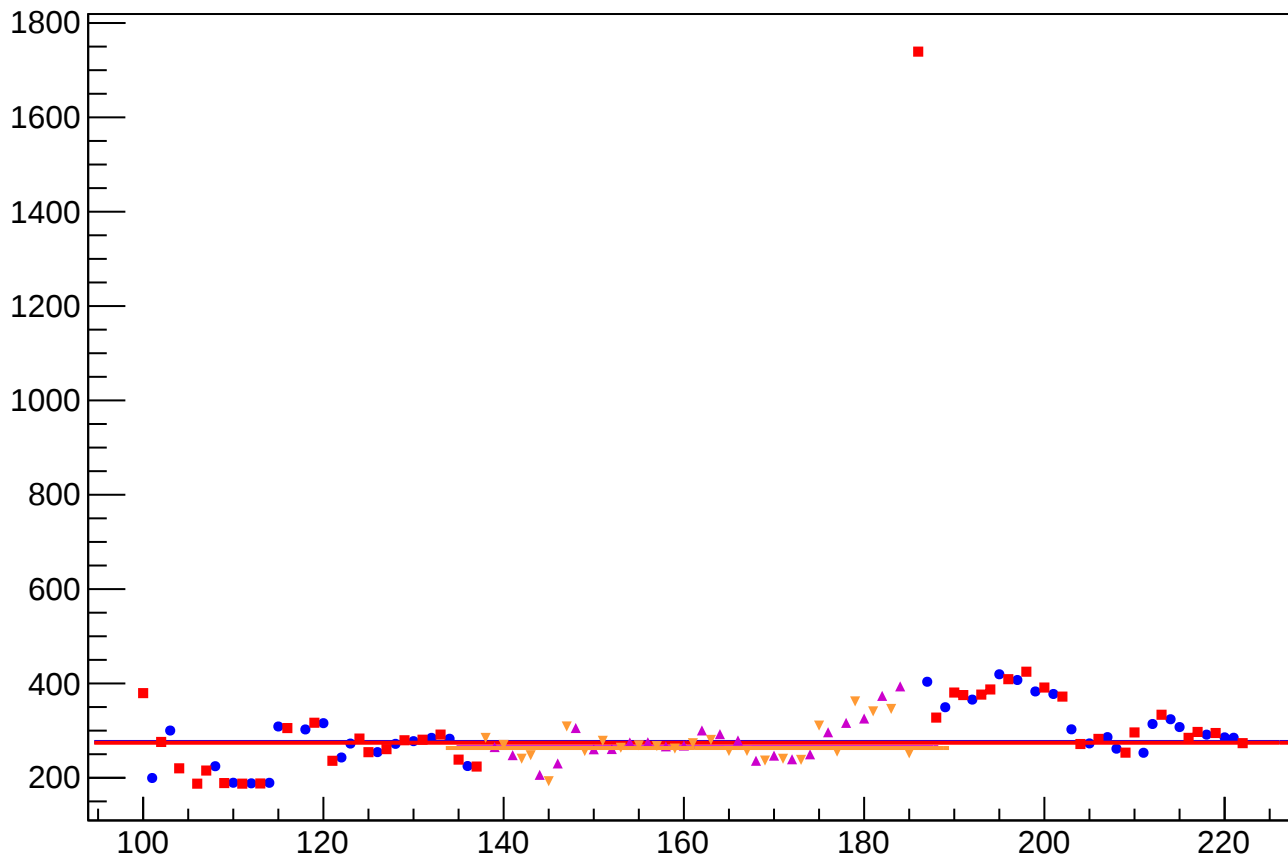
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 183.663 ± 44.570 χ^2/NDF : 75.8/59

All: 49.368 ± 31.655 χ^2/NDF : 198.7/120

- sign -87.318 ± 44.965 χ^2/NDF : 104.6/60

reg_asym_sam4_rms vs Slug



Right In: 275.967 $\pm$ 0.045 χ^2 /NDF: 1617688.6/34

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 274.342 $\pm$ 0.045 χ^2 /NDF: 2478587.2/37

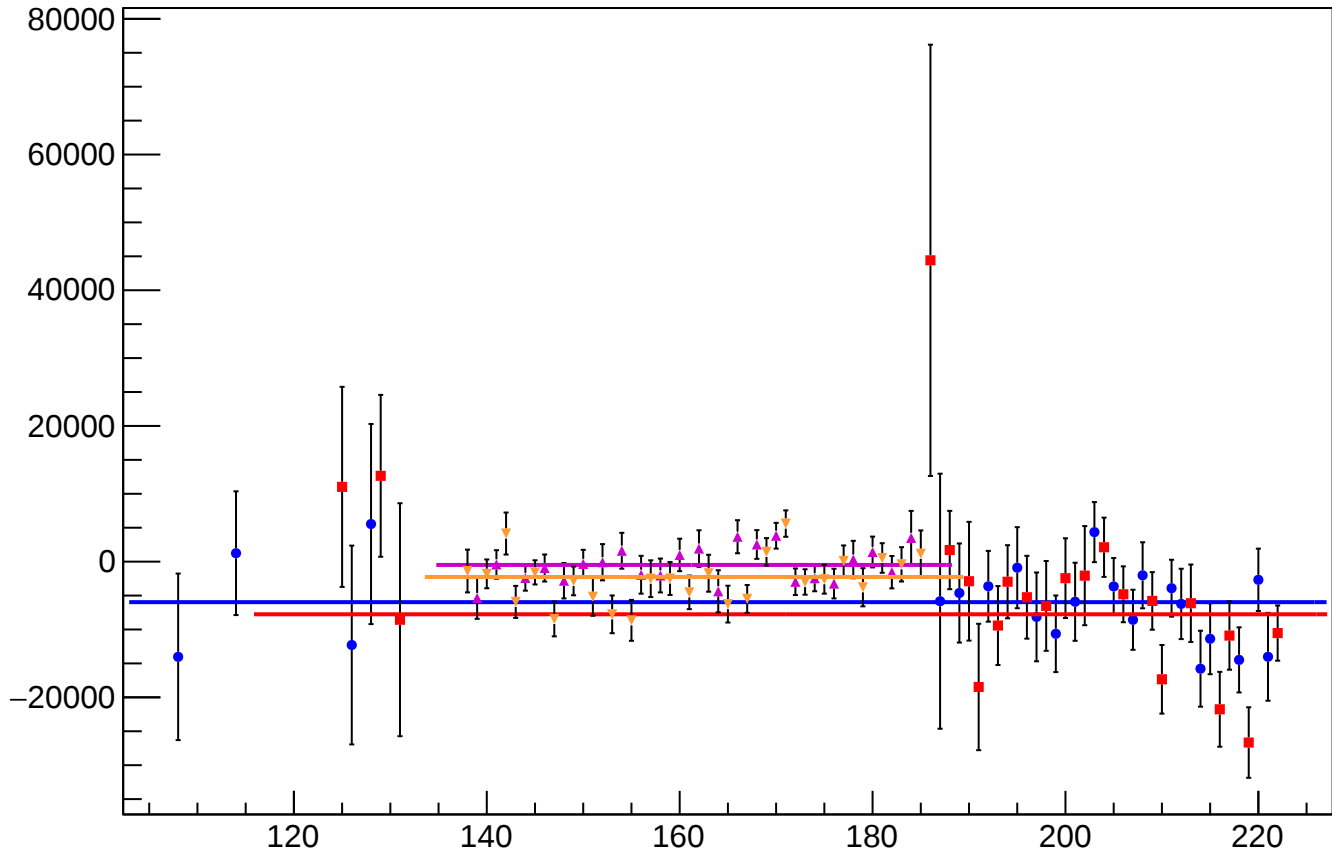
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 269.307 $\pm$ 0.032 χ^2 /NDF: 2301517.5/59

All: 269.508 $\pm$ 0.022 χ^2 /NDF: 5411142.8/120

- sign 269.713 $\pm$ 0.032 χ^2 /NDF: 3109543.2/60

asym_sam4_correction_mean vs Slug



Right In: -5971.236 $\pm$ 1214.477 χ^2 /NDF: 19.9/21

Left Out: -2260.196 $\pm$ 475.336 χ^2 /NDF: 52.3/24

Right Out: -7757.763 $\pm$ 1251.347 χ^2 /NDF: 44.1/21

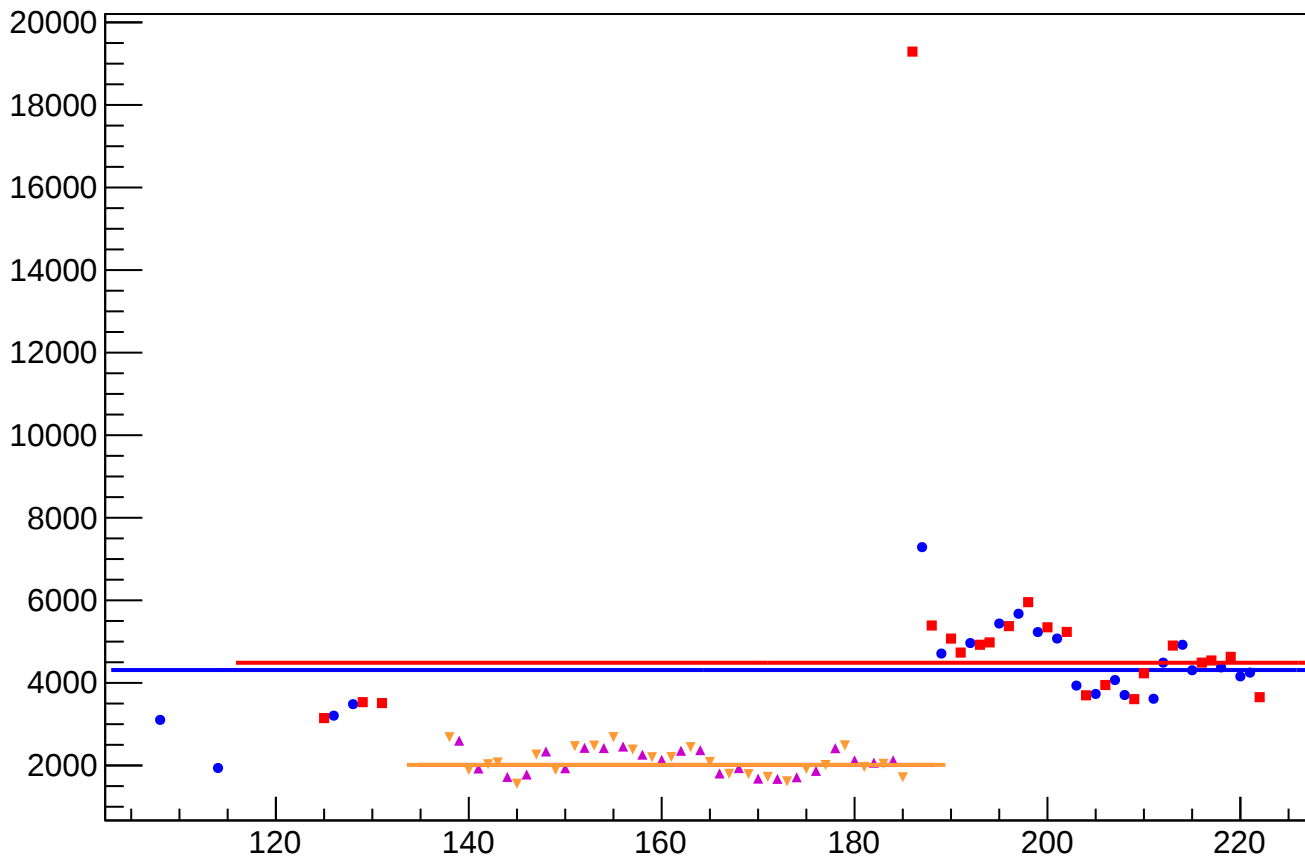
Left In: -485.590 $\pm$ 487.465 χ^2 /NDF: 24.8/22

+ sign -2753.164 $\pm$ 442.640 χ^2 /NDF: 80.4/46

All: -2115.358 $\pm$ 317.008 χ^2 /NDF: 182.8/91

- sign -1443.749 $\pm$ 454.218 χ^2 /NDF: 98.2/44

asym_sam4_correction_rms vs Slug



Right In: 4311.396 $\pm$ 0.859 χ^2 /NDF: 679984.5/21

Left Out: 2014.106 $\pm$ 0.336 χ^2 /NDF: 835656.9/24

Right Out: 4487.899 $\pm$ 0.885 χ^2 /NDF: 1048496.0/21

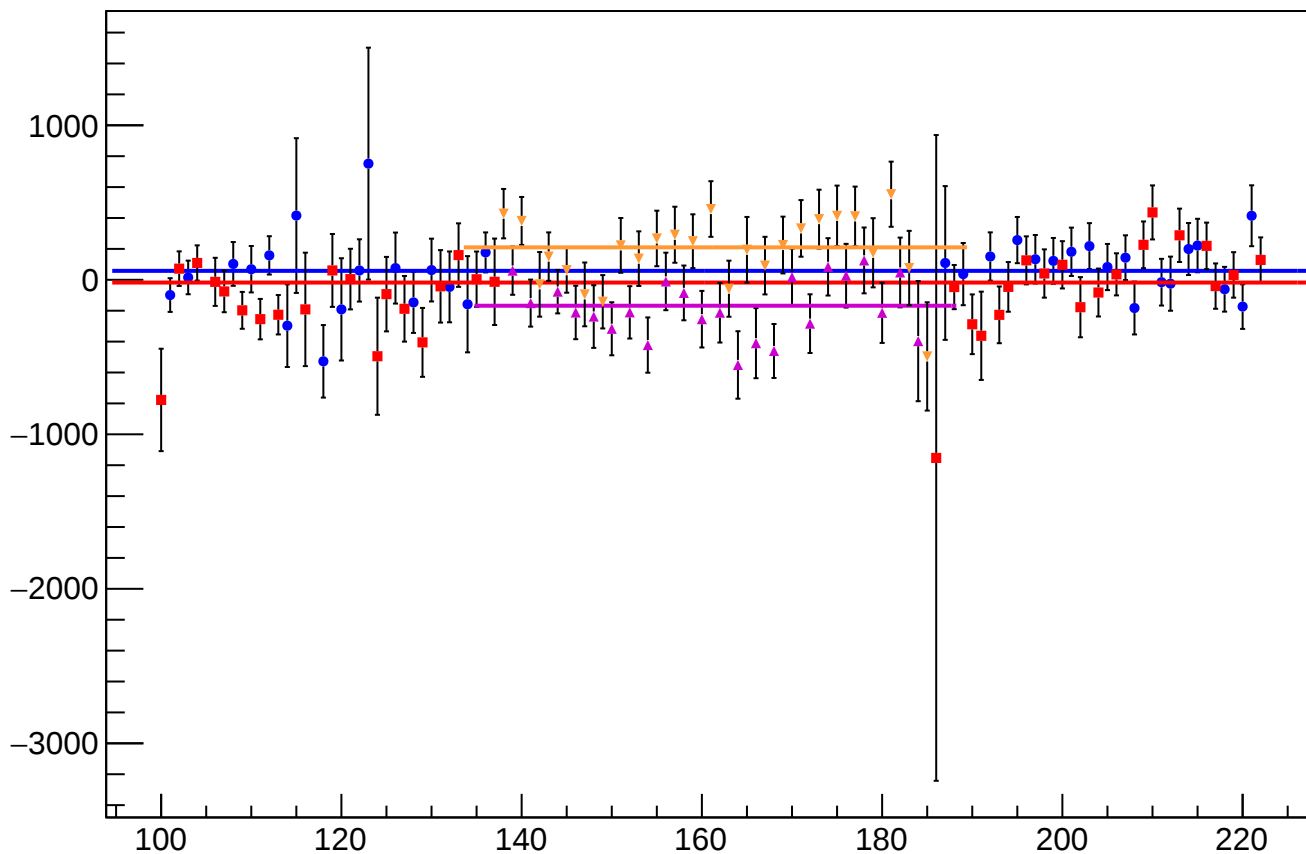
Left In: 2013.245 $\pm$ 0.345 χ^2 /NDF: 662077.8/22

+ sign 2319.273 $\pm$ 0.313 χ^2 /NDF: 7721241.6/46

All: 2329.027 $\pm$ 0.224 χ^2 /NDF: 16224983.1/9

- sign 2339.298 $\pm$ 0.321 χ^2 /NDF: 8501747.7/44

reg_asym_sam5_mean vs Slug



Right In: 57.920 ± 28.435 χ^2/NDF : 30.8/34

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -17.862 ± 27.182 χ^2/NDF : 45.7/37

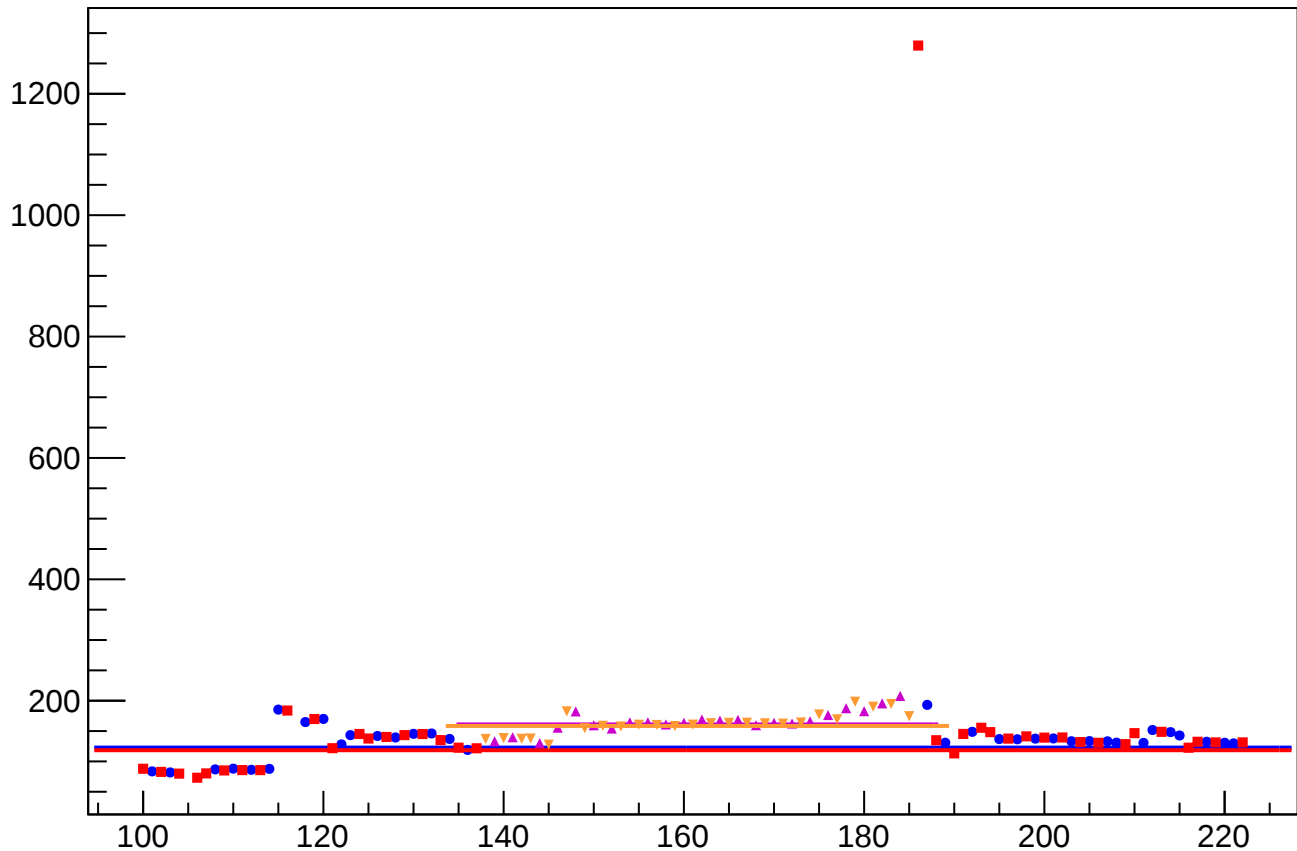
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 114.241 ± 22.567 χ^2/NDF : 68.9/59

All: 22.137 ± 15.843 χ^2/NDF : 178.7/120

- sign -67.372 ± 22.247 χ^2/NDF : 76.9/60

reg_asym_sam5_rms vs Slug



Right In: 122.742 $\pm$ 0.020 χ^2 /NDF: 1557948.5/34

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 118.442 $\pm$ 0.019 χ^2 /NDF: 2611463.4/37

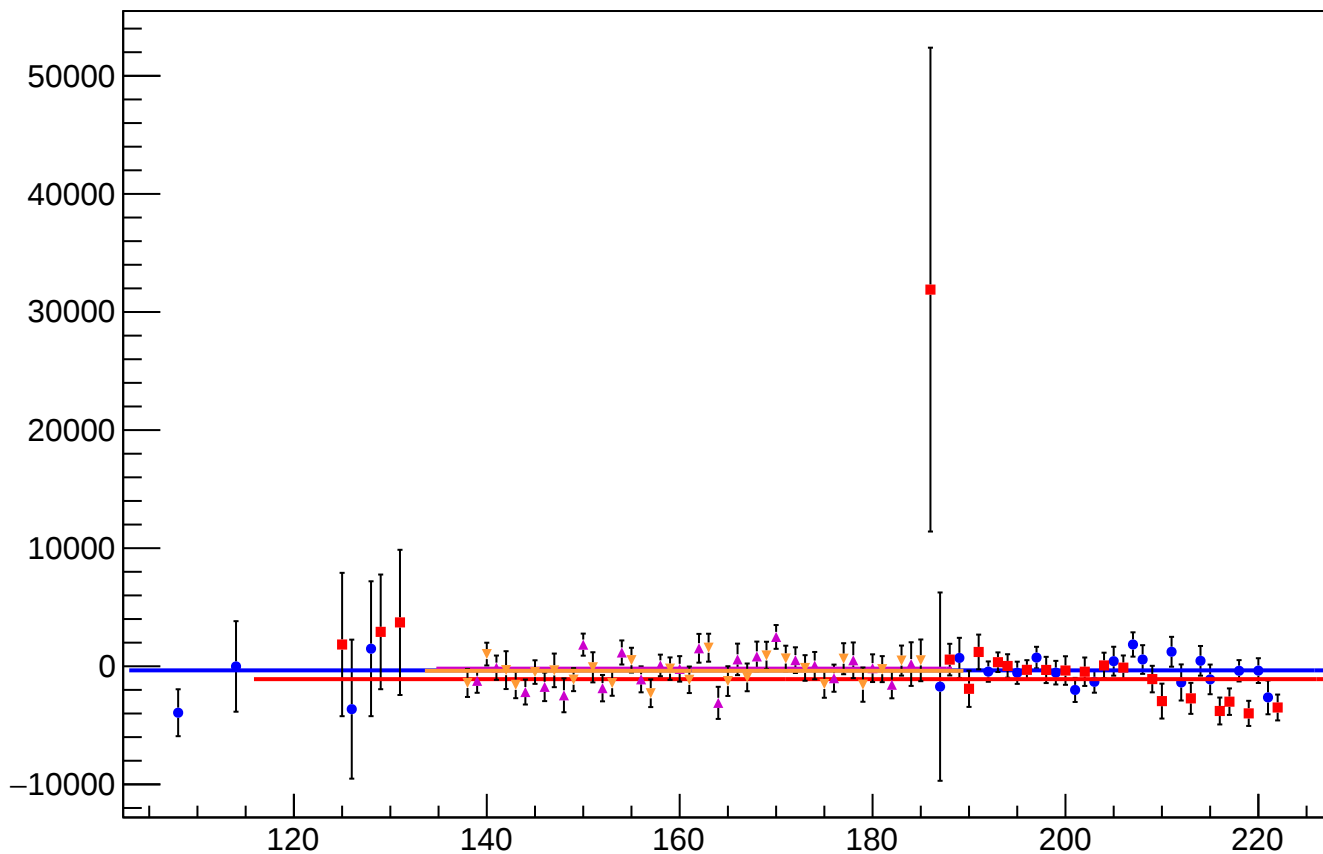
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 135.955 $\pm$ 0.016 χ^2 /NDF: 3159016.0/59

All: 134.190 $\pm$ 0.011 χ^2 /NDF: 7788894.9/120

- sign 132.475 $\pm$ 0.016 χ^2 /NDF: 4605766.3/60

asym_sam5_correction_mean vs Slug



Right In: -346.309 ± 259.934 χ^2/NDF : 20.2/21

Left Out: -385.018 ± 231.833 χ^2/NDF : 18.1/24

Right Out: -1090.227 ± 261.810 χ^2/NDF : 40.6/21

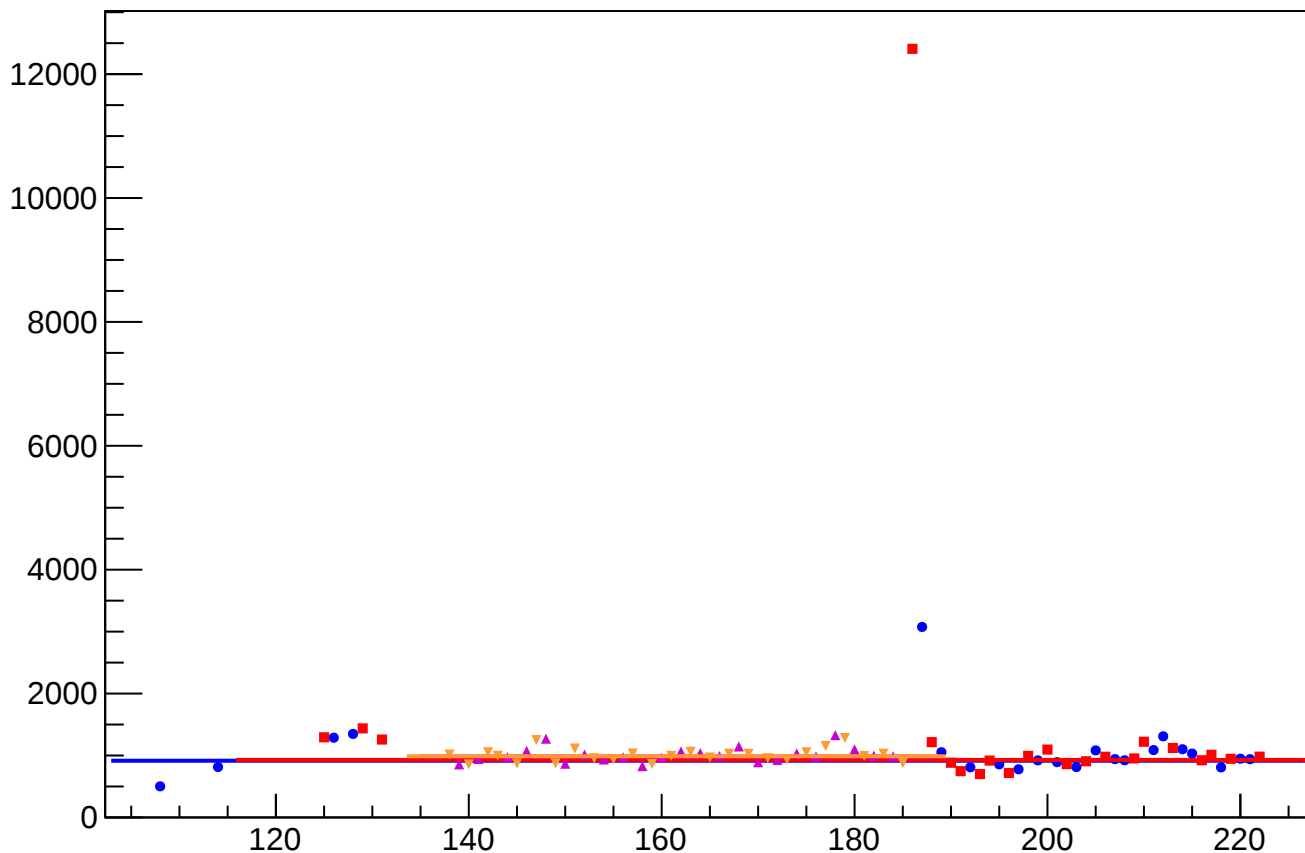
Left In: -202.234 ± 237.460 χ^2/NDF : 35.5/22

+ sign -367.868 ± 173.016 χ^2/NDF : 38.3/46

All: -483.510 ± 123.344 χ^2/NDF : 121.5/91

- sign -603.024 ± 175.889 χ^2/NDF : 82.4/44

asym_sam5_correction_rms vs Slug



Right In: 915.759 $\pm$ 0.184 χ^2 /NDF: 677146.6/21

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 929.255 $\pm$ 0.185 χ^2 /NDF: 1267342.8/21

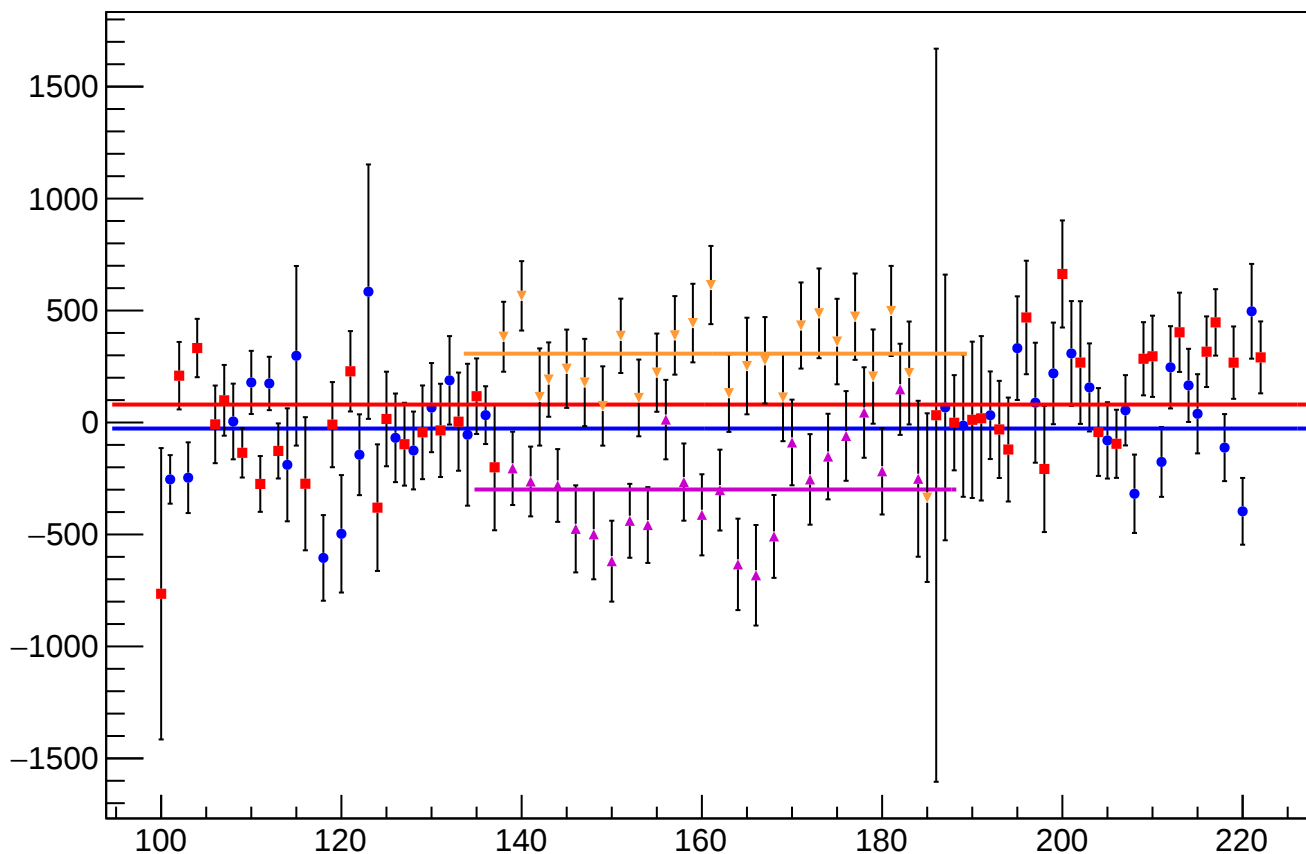
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 955.921 $\pm$ 0.122 χ^2 /NDF: 1139830.5/46

All: 957.550 $\pm$ 0.087 χ^2 /NDF: 2871591.3/91

- sign 959.232 $\pm$ 0.124 χ^2 /NDF: 1731400.6/44

reg_asym_sam6_mean vs Slug



Right In: -26.950 ± 30.820 $\chi^2/\text{NDF}: 55.5/34$

Left Out: 307.487 ± 37.278 $\chi^2/\text{NDF}: 20.7/24$

Right Out: 80.178 ± 30.035 $\chi^2/\text{NDF}: 59.5/37$

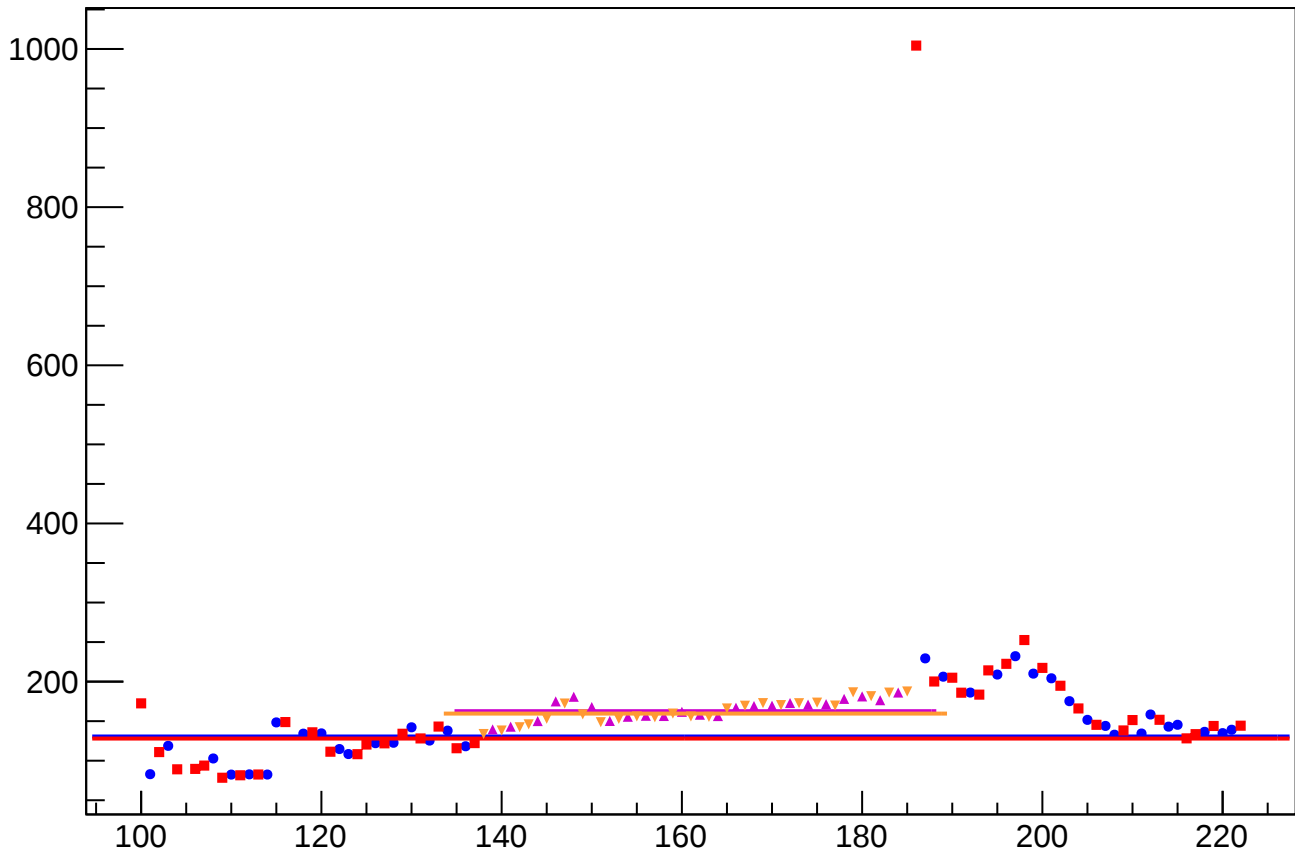
Left In: -299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

+ sign 108.836 ± 23.753 $\chi^2/\text{NDF}: 124.0/59$

All: 24.070 ± 16.812 $\chi^2/\text{NDF}: 296.9/120$

- sign -61.020 ± 23.798 $\chi^2/\text{NDF}: 147.4/60$

reg_asym_sam6_rms vs Slug



Right In: 130.597 $\pm$ 0.022 χ^2 /NDF: 2658251.3/34

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 128.007 $\pm$ 0.021 χ^2 /NDF: 4072681.2/37

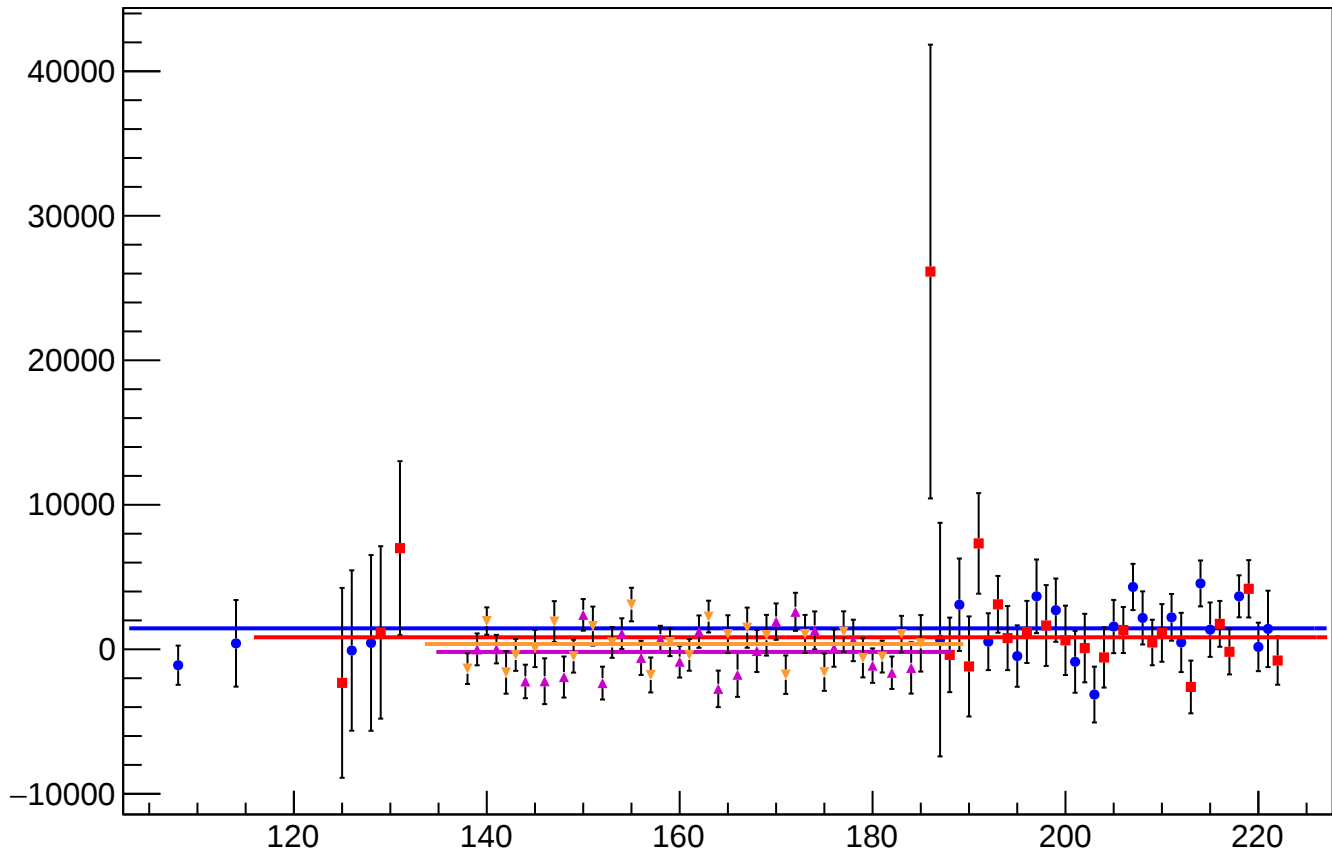
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 142.359 $\pm$ 0.017 χ^2 /NDF: 3663564.3/59

All: 141.623 $\pm$ 0.012 χ^2 /NDF: 8927443.5/120

- sign 140.884 $\pm$ 0.017 χ^2 /NDF: 5260030.0/60

asym_sam6_correction_mean vs Slug



Right In: 1450.872 $\pm$ 429.992 χ^2 /NDF: 23.5/21

Left Out: 370.001 $\pm$ 243.521 χ^2 /NDF:30.5/24

Right Out: 831.990 $\pm$ 468.679 χ^2 /NDF: 18.2/21

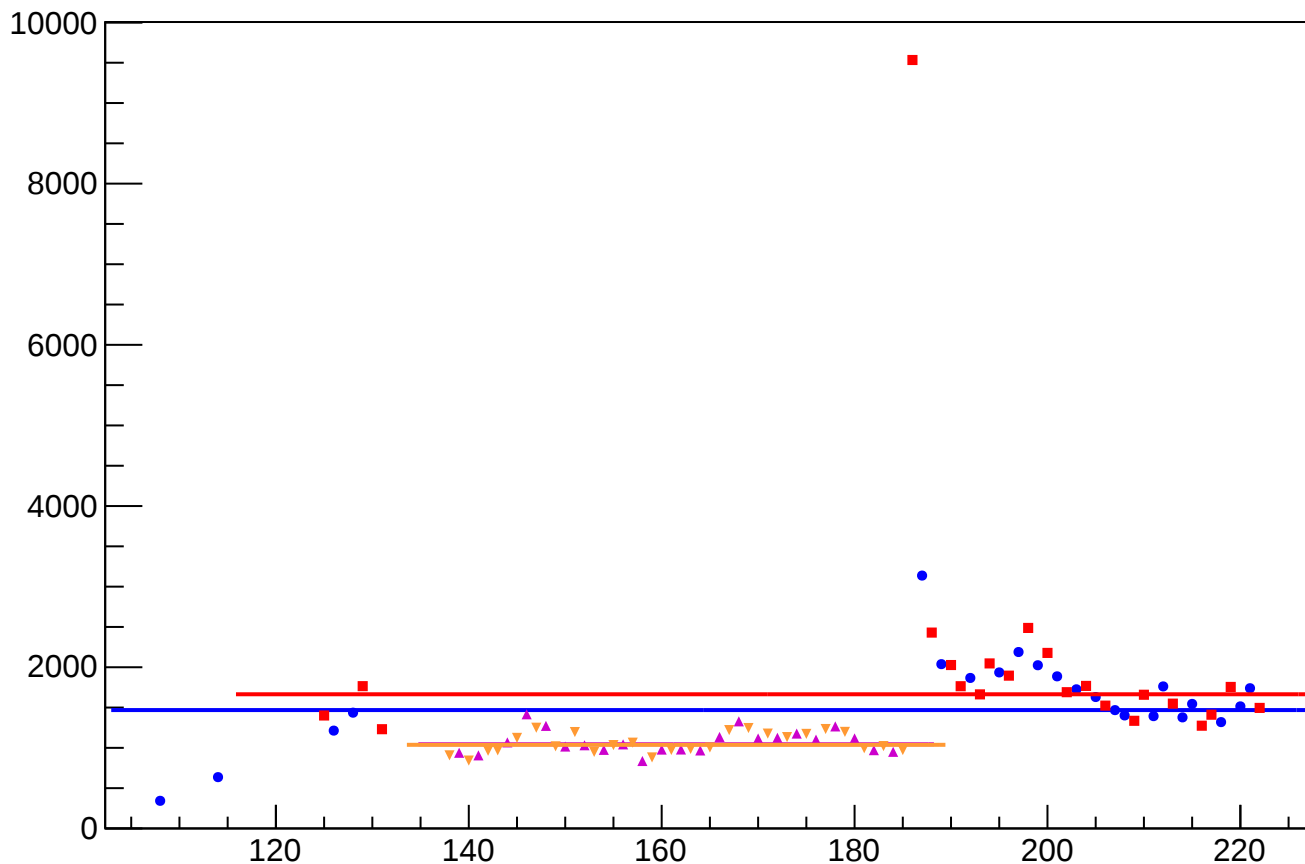
Left In: -183.107 $\pm$ 252.258 χ^2 /NDF:36.5/22

+ sign 632.488 $\pm$ 211.898 χ^2 /NDF: 58.8/46

All: 352.538 $\pm$ 153.323 χ^2 /NDF: 120.7/91

- sign 44.907 $\pm$ 222.127 χ^2 /NDF: 58.3/44

asym_sam6_correction_rms vs Slug



Right In: 1468.753 ± 0.304 $\chi^2/\text{NDF}: 2380245.3/21$

Left Out: 1037.689 ± 0.172 $\chi^2/\text{NDF}: 494981.4/24$

Right Out: 1664.772 ± 0.331 $\chi^2/\text{NDF}: 1377723.3/21$

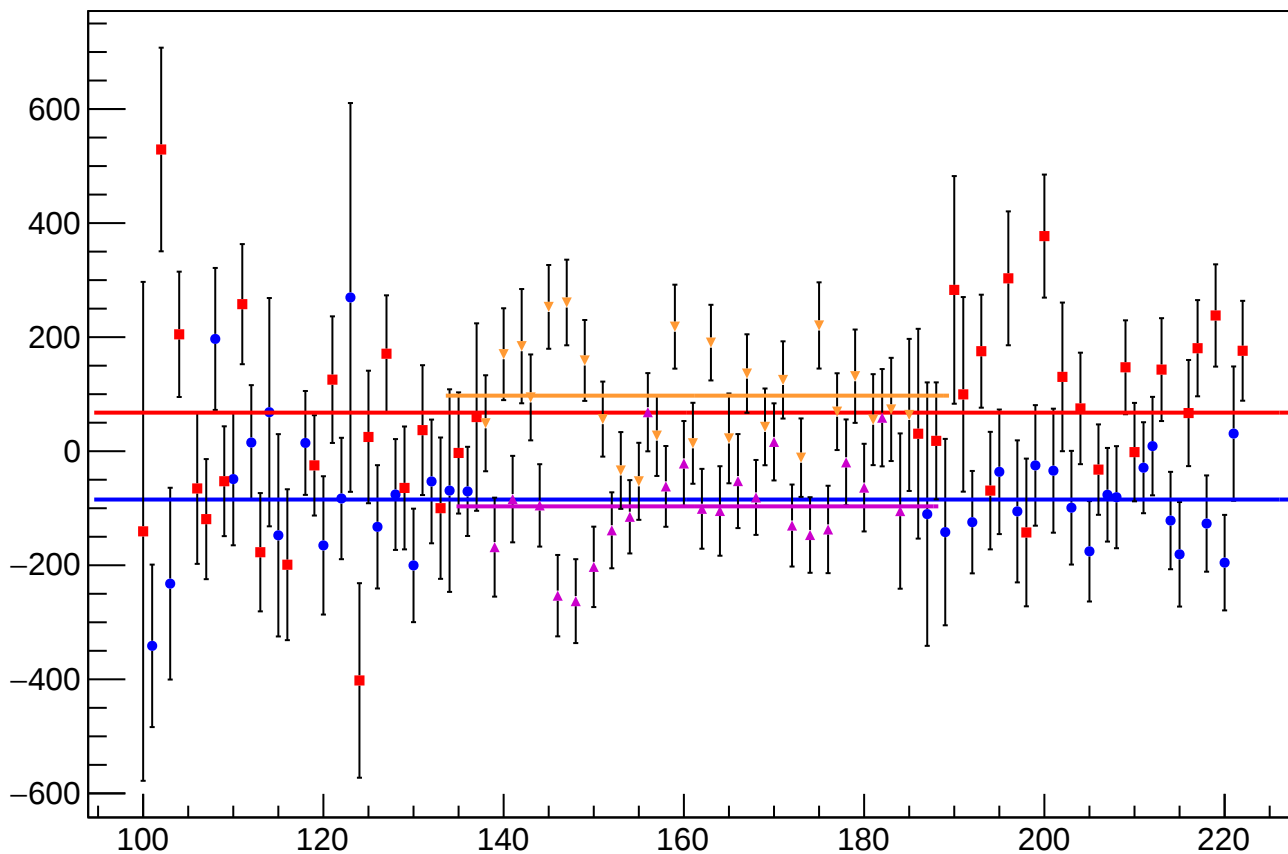
Left In: 1044.746 ± 0.178 $\chi^2/\text{NDF}: 543315.5/22$

+ sign 1142.372 ± 0.150 $\chi^2/\text{NDF}: 4397088.5/46$

All: 1162.214 ± 0.108 $\chi^2/\text{NDF}: 9068948.9/91$

- sign 1184.017 ± 0.157 $\chi^2/\text{NDF}: 4635054.1/44$

reg_asym_sam7_mean vs Slug



Right In: -84.737 ± 17.832 $\chi^2/\text{NDF}: 23.4/34$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 67.635 ± 17.624 $\chi^2/\text{NDF}: 71.4/37$

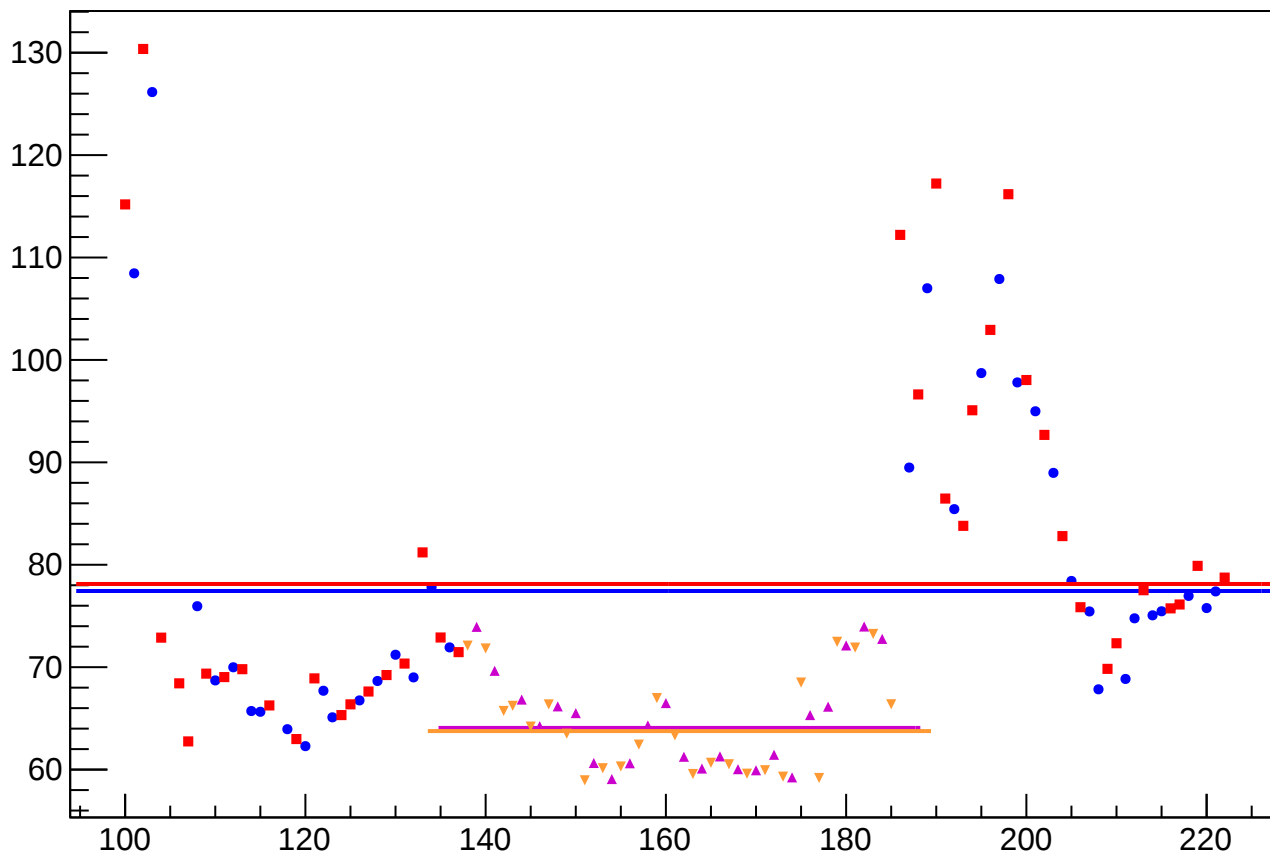
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 22.664 ± 11.425 $\chi^2/\text{NDF}: 121.0/59$

All: -1.191 ± 8.134 $\chi^2/\text{NDF}: 279.8/120$

- sign -25.714 ± 11.584 $\chi^2/\text{NDF}: 150.0/60$

reg_asym_sam7_rms vs Slug



Right In: 77.439 $\pm$ 0.013 χ^2 /NDF: 949449.0/34

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF: 192803.8/24

Right Out: 78.123 $\pm$ 0.012 χ^2 /NDF: 1132121.2/37

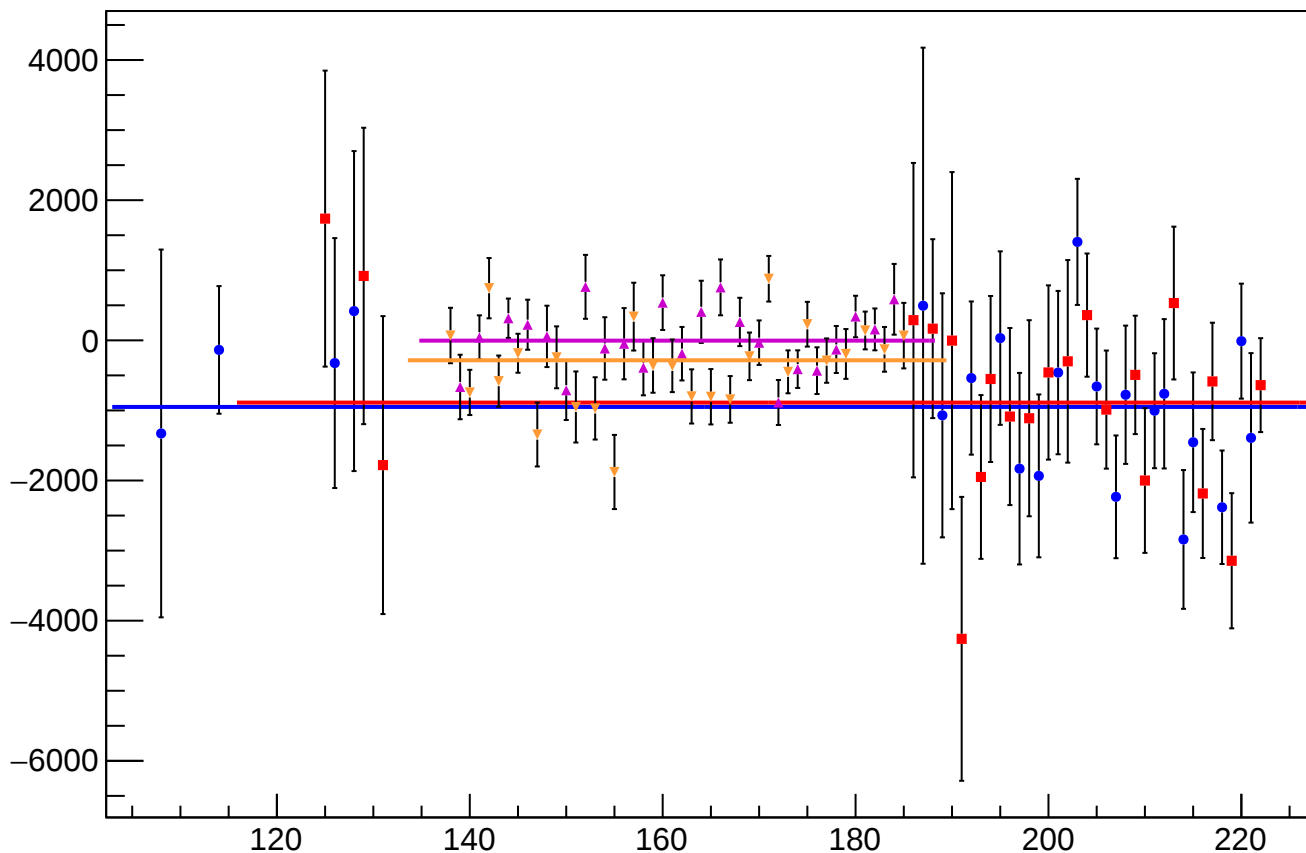
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 69.375 $\pm$ 0.008 χ^2 /NDF: 1835909.3/59

All: 69.752 $\pm$ 0.006 χ^2 /NDF: 3859531.8/120

- sign 70.140 $\pm$ 0.008 χ^2 /NDF: 2019210.4/60

asym_sam7_correction_mean vs Slug



Right In: -950.106 ± 230.105 χ^2/NDF : 21.2/21

Left Out: -284.304 ± 72.732 χ^2/NDF : 55.1/24

Right Out: -888.080 ± 239.758 χ^2/NDF : 20.4/21

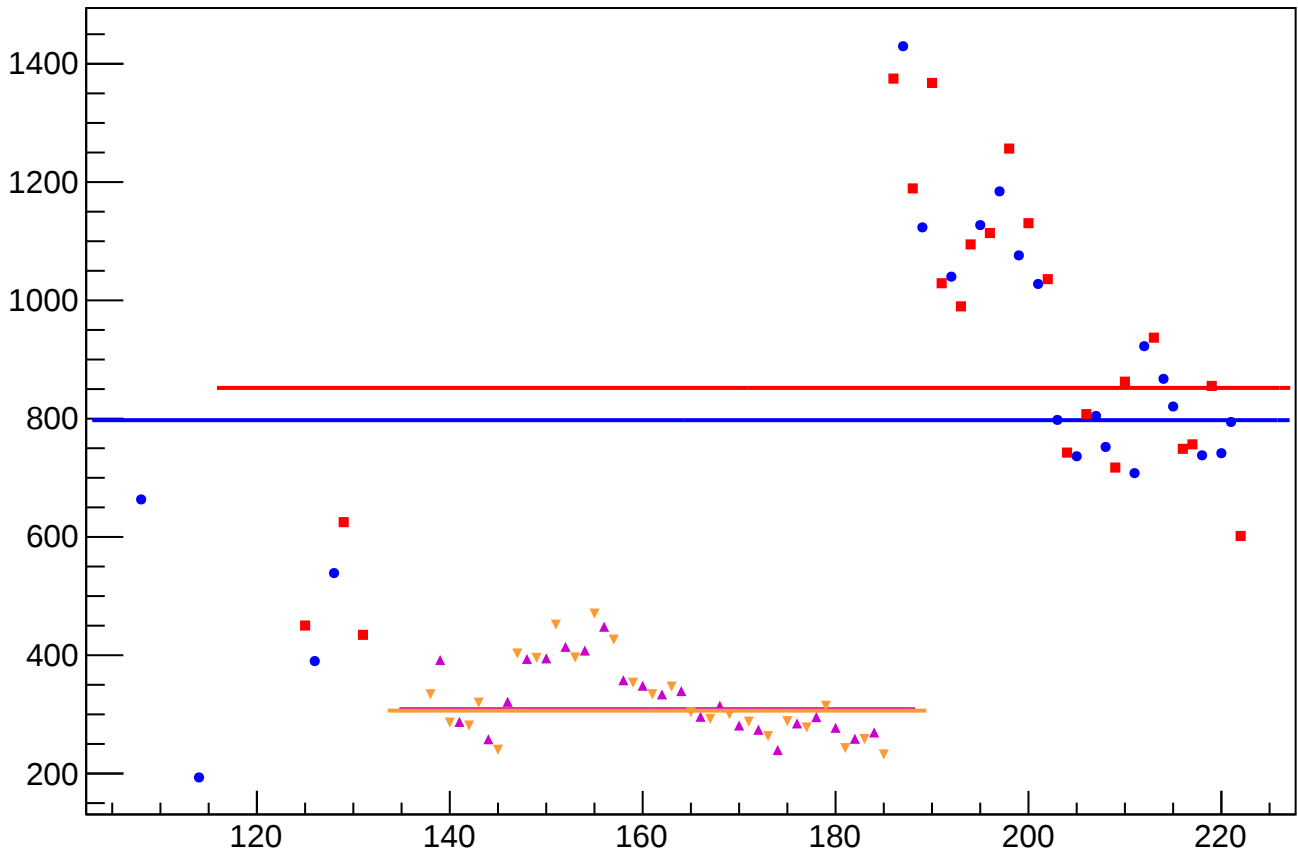
Left In: -4.037 ± 75.084 χ^2/NDF : 32.4/22

+ sign -344.781 ± 69.350 χ^2/NDF : 83.9/46

All: -218.161 ± 49.832 χ^2/NDF : 155.9/91

- sign -82.994 ± 71.653 χ^2/NDF : 65.1/44

asym_sam7_correction_rms vs Slug



Right In: 797.446 $\pm$ 0.163 χ^2 /NDF: 1836255.5/21

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF:1215669.9/24

Right Out: 852.012 $\pm$ 0.170 χ^2 /NDF: 1455706.1/21

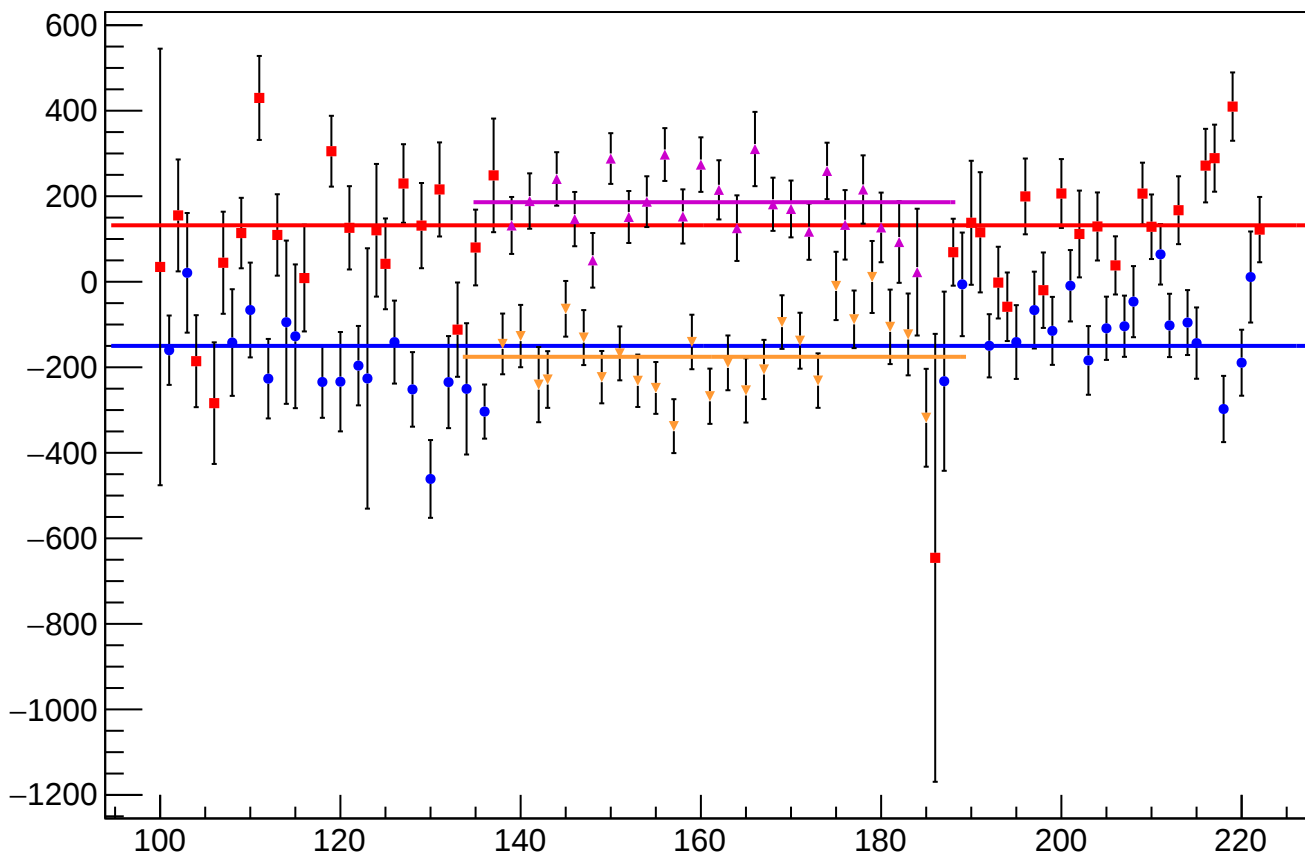
Left In: 308.727 $\pm$ 0.053 χ^2 /NDF:1002947.4/22

+ sign 350.970 $\pm$ 0.049 χ^2 /NDF: 11333847.6/46

All: 354.007 $\pm$ 0.035 χ^2 /NDF: 23152522.5/9

- sign 357.250 $\pm$ 0.051 χ^2 /NDF: 11810742.8/44

reg_asym_sam8_mean vs Slug



Right In: -149.952 ± 15.354 $\chi^2/\text{NDF}: 48.9/34$

Left Out: -175.471 ± 13.846 $\chi^2/\text{NDF}: 34.6/24$

Right Out: 132.015 ± 15.359 $\chi^2/\text{NDF}: 78.4/37$

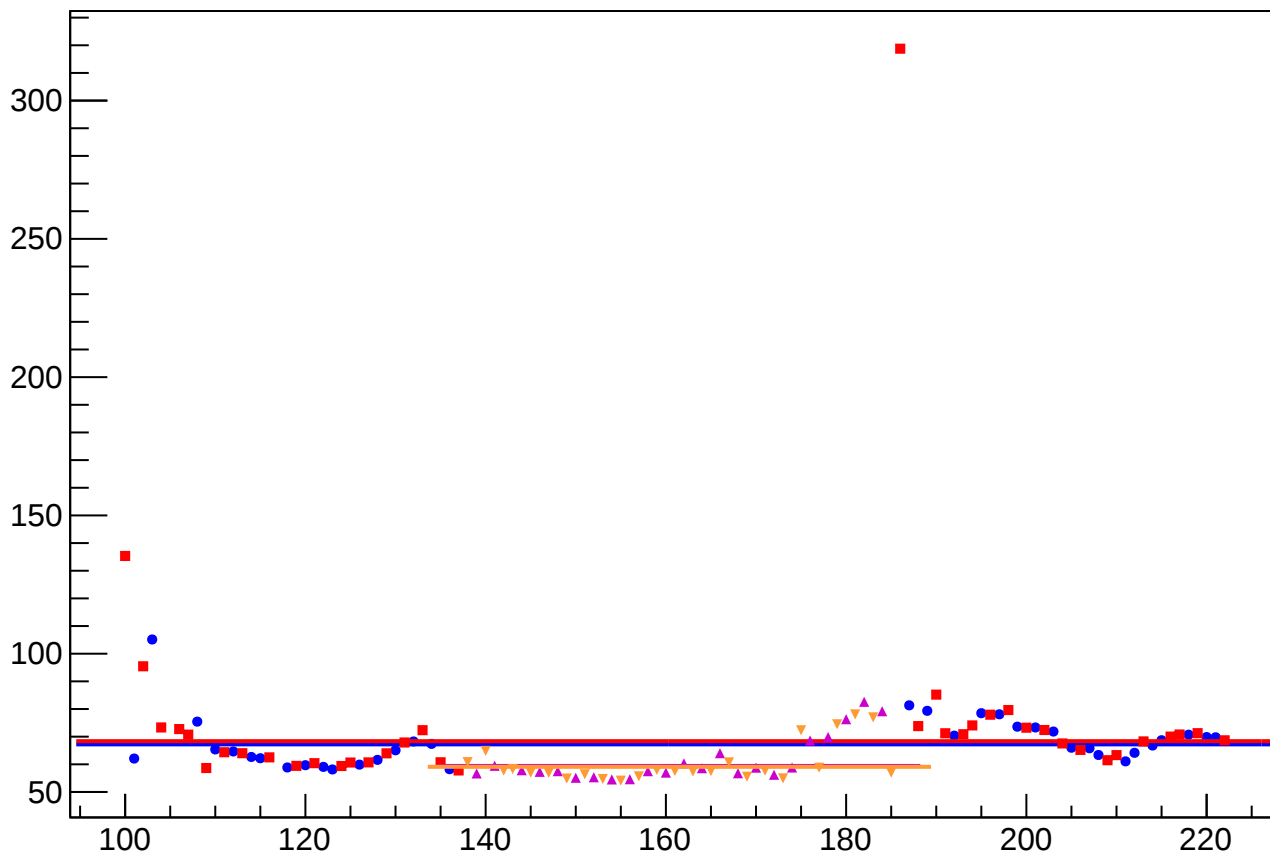
Left In: 186.047 ± 14.315 $\chi^2/\text{NDF}: 23.6/22$

+ sign -164.026 ± 10.282 $\chi^2/\text{NDF}: 85.1/59$

All: -4.519 ± 7.337 $\chi^2/\text{NDF}: 683.9/120$

- sign 160.930 ± 10.472 $\chi^2/\text{NDF}: 108.6/60$

reg_asym_sam8_rms vs Slug



Right In: 67.213+/-0.011 χ^2/NDF : 434236.9/34

Left Out: 59.099+/-0.010 χ^2/NDF : 369788.6/24

Right Out: 68.373+/-0.011 χ^2/NDF : 878369.4/37

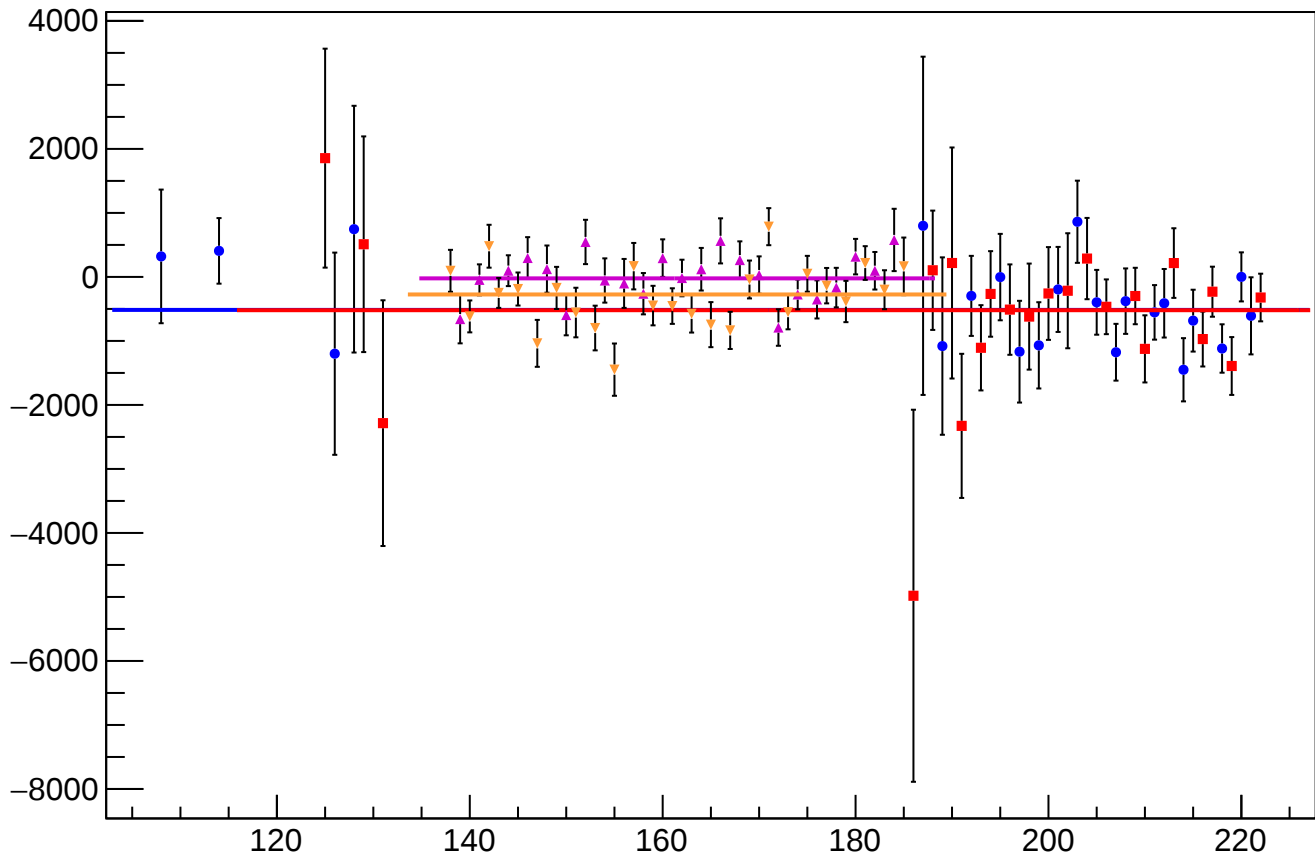
Left In: 59.410+/-0.010 χ^2/NDF : 373052.7/22

+ sign 62.738+/-0.007 χ^2/NDF : 1112085.9/59

All: 63.150+/-0.005 χ^2/NDF : 2734478.9/120

- sign 63.577+/-0.007 χ^2/NDF : 1615866.6/60

asym_sam8_correction_mean vs Slug



Right In: -515.375 ± 123.054 χ^2/NDF : 22.3/21

Left Out: -274.091 ± 60.799 χ^2/NDF : 53.9/24

Right Out: -520.002 ± 130.592 χ^2/NDF : 20.6/21

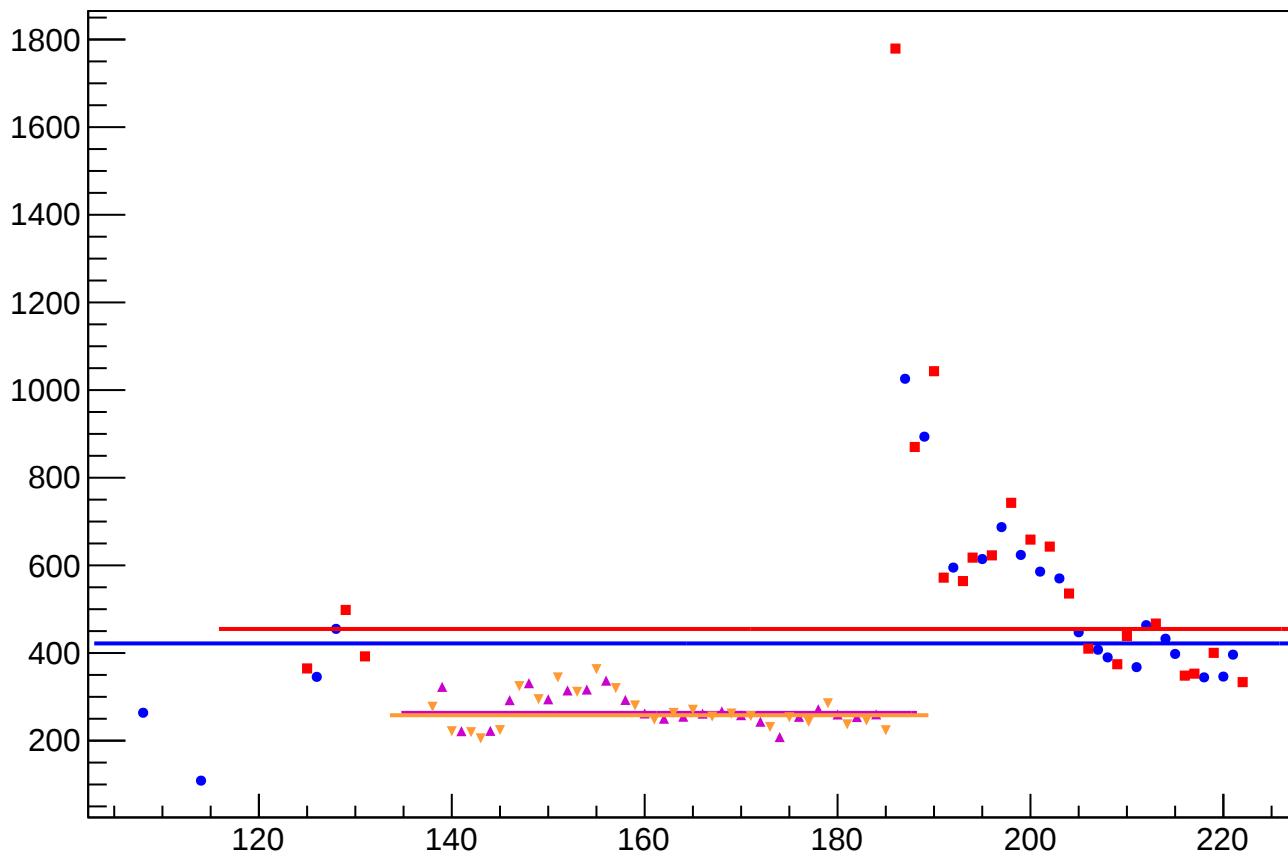
Left In: -22.631 ± 63.643 χ^2/NDF : 28.9/22

+ sign -321.435 ± 54.509 χ^2/NDF : 79.3/46

All: -224.676 ± 39.464 χ^2/NDF : 147.1/91

- sign -118.086 ± 57.211 χ^2/NDF : 61.2/44

asym_sam8_correction_rms vs Slug



Right In: 421.888+/-0.087 χ^2/NDF : 2312189.9/21

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 454.852+/-0.092 χ^2/NDF : 2453294.6/21

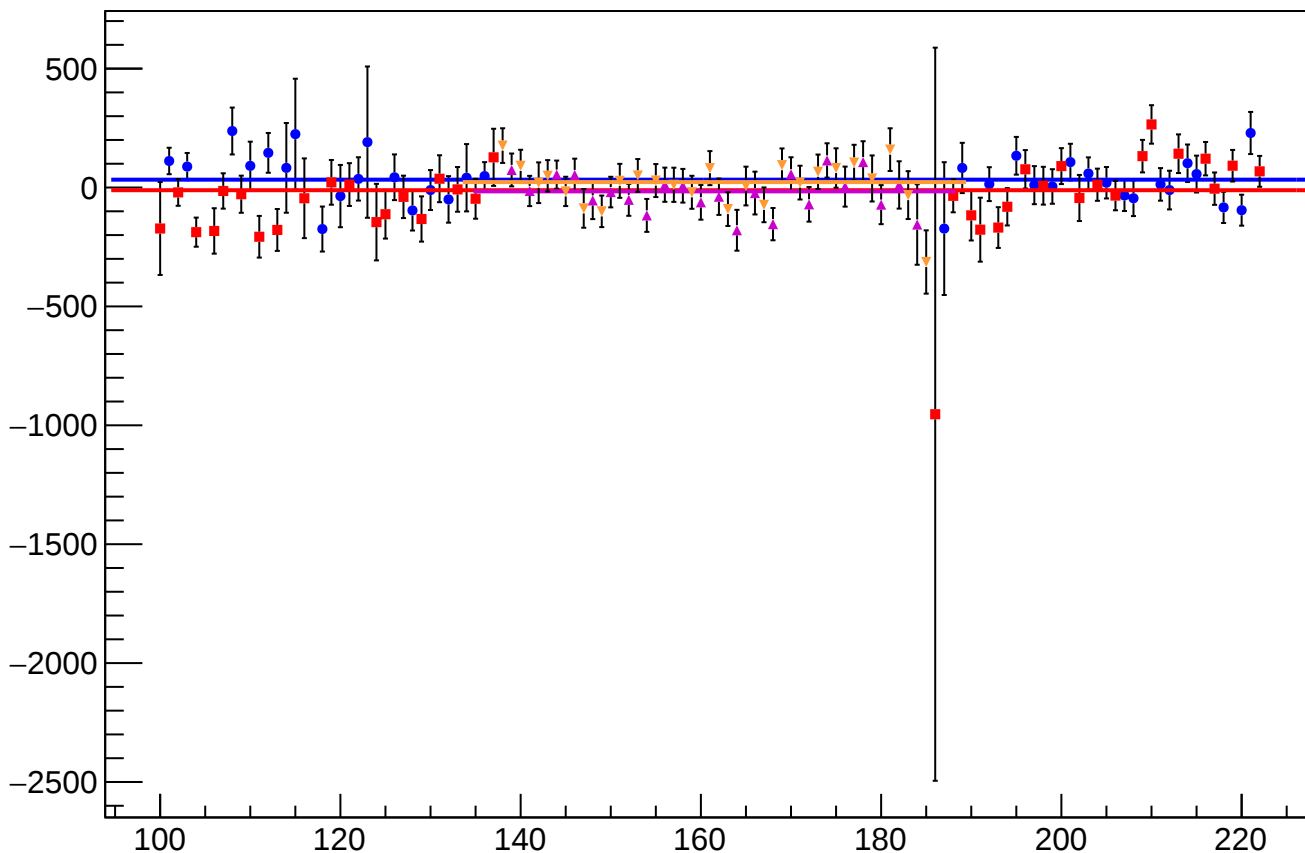
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 290.190+/-0.039 χ^2/NDF : 5887100.3/46

All: 294.925+/-0.028 χ^2/NDF : 12431360.2/90

- sign 300.141+/-0.040 χ^2/NDF : 6512545.9/44

reg_asym_sam_15_avg_mean vs Slug



Right In: 33.031 ± 13.774 $\chi^2/\text{NDF}: 38.0/34$

Left Out: 22.871 ± 14.968 $\chi^2/\text{NDF}: 29.0/24$

Right Out: -11.300 ± 13.464 $\chi^2/\text{NDF}: 63.9/37$

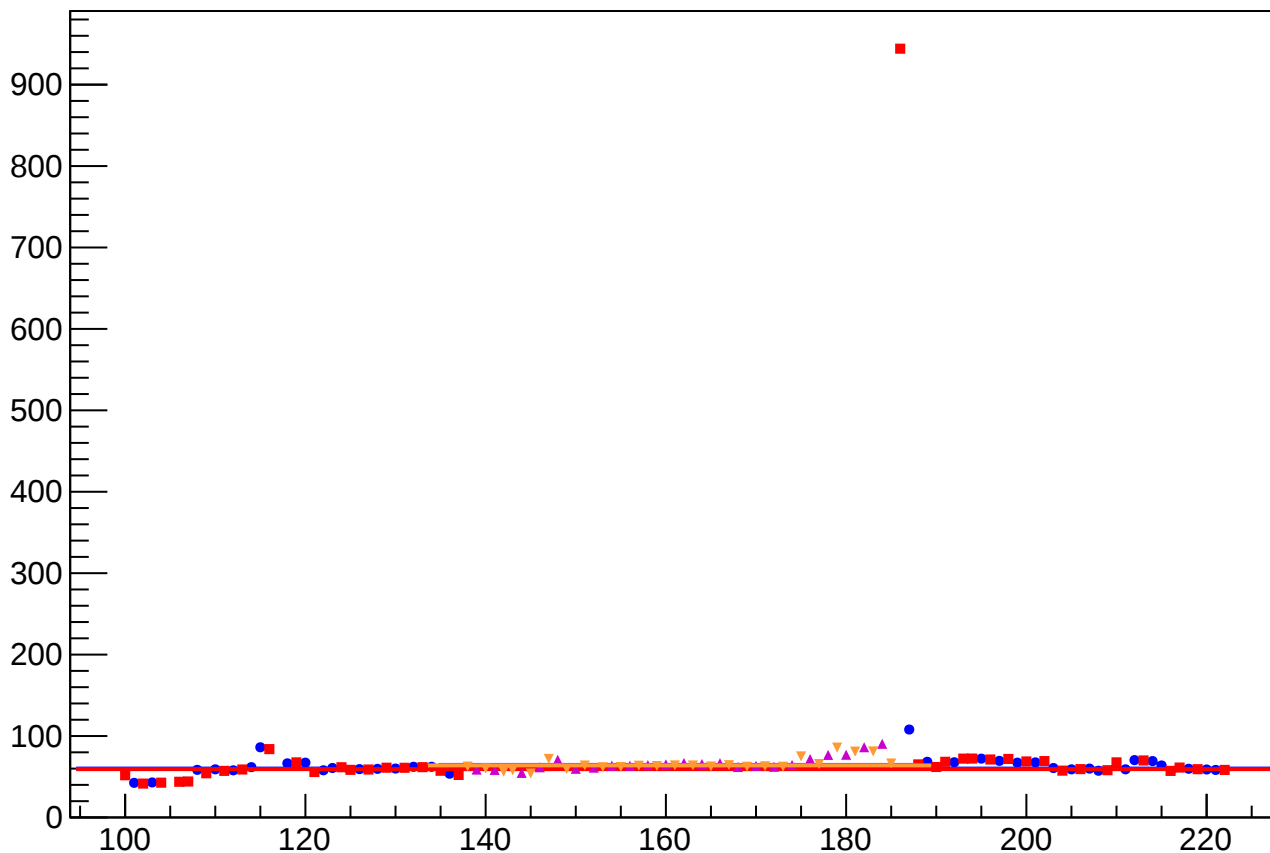
Left In: -16.198 ± 15.531 $\chi^2/\text{NDF}: 23.3/22$

+ sign 28.372 ± 10.136 $\chi^2/\text{NDF}: 67.2/59$

All: 7.563 ± 7.180 $\chi^2/\text{NDF}: 162.9/120$

- sign -13.402 ± 10.173 $\chi^2/\text{NDF}: 87.3/60$

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.992 $\pm$ 0.010 χ^2 /NDF: 724123.7/34

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 59.338 $\pm$ 0.010 χ^2 /NDF: 1556838.1/37

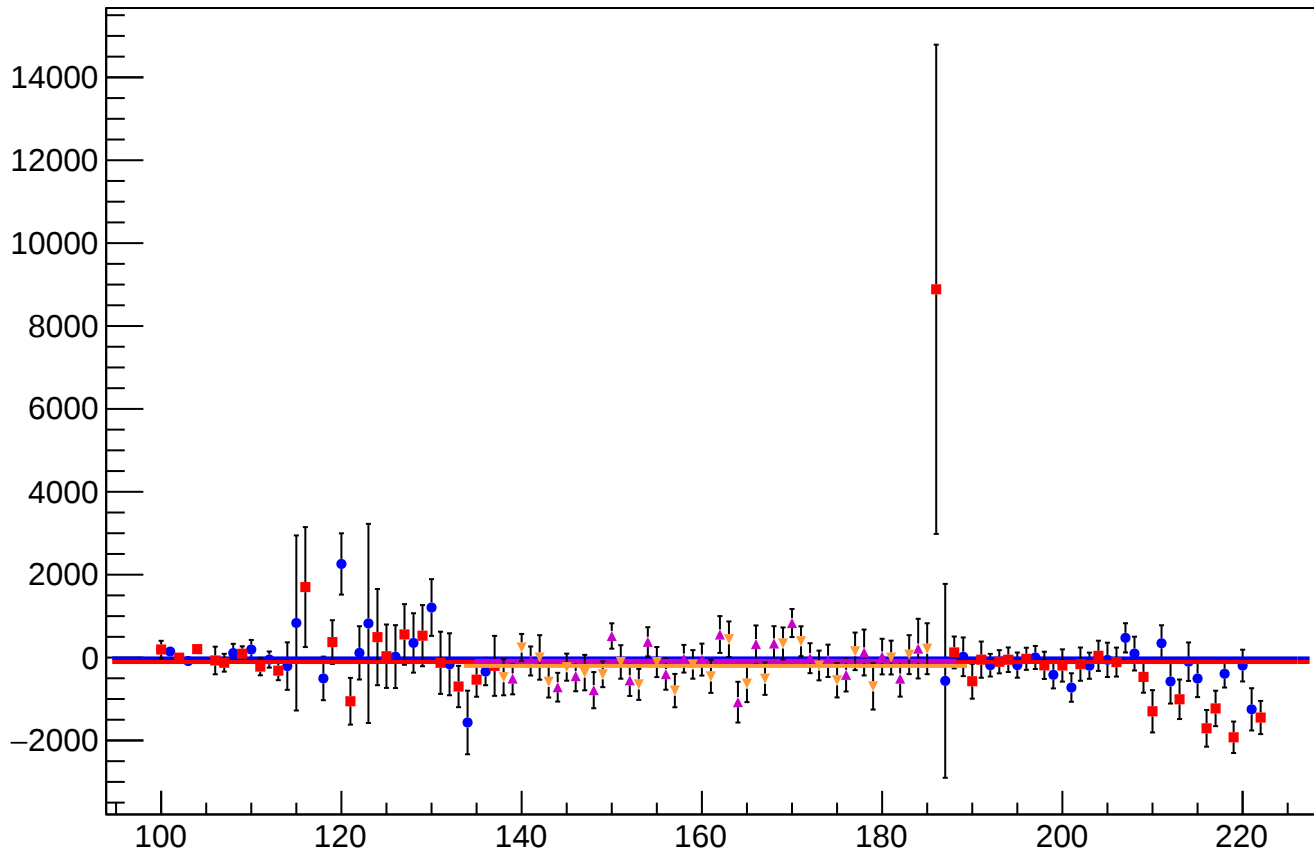
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.793 $\pm$ 0.007 χ^2 /NDF: 1194092.4/59

All: 61.676 $\pm$ 0.005 χ^2 /NDF: 3248649.5/120

- sign 61.558 $\pm$ 0.007 χ^2 /NDF: 2054018.3/60

asym_sam_15_avg_correction_mean vs Slug



Right In: -20.677 ± 44.550 χ^2/NDF : 44.1/34

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -107.616 ± 45.422 χ^2/NDF : 92.9/37

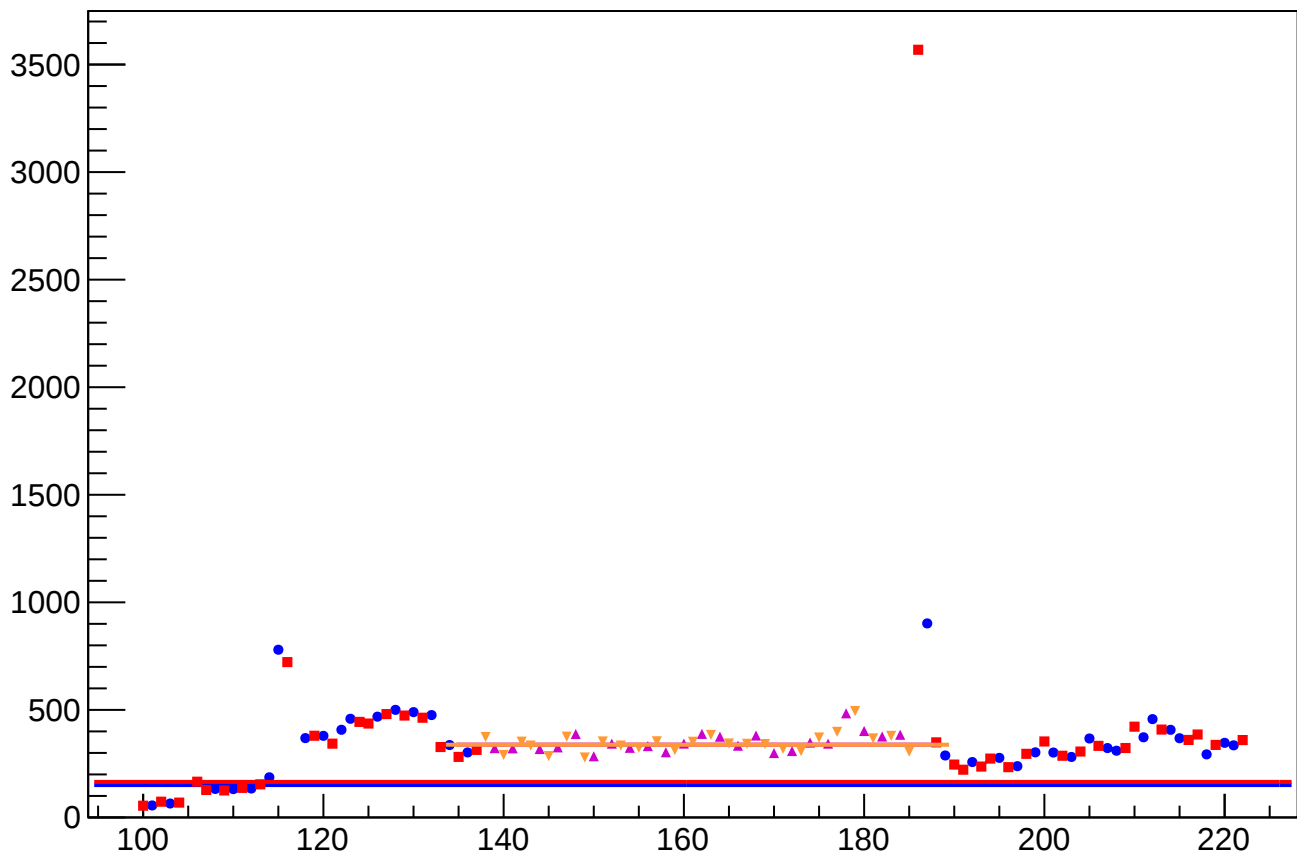
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -63.750 ± 38.870 χ^2/NDF : 67.7/59

All: -82.027 ± 27.777 χ^2/NDF : 194.5/120

- sign -101.101 ± 39.708 χ^2/NDF : 126.4/60

asym sam 15 avg correction rms vs Slug



Right In: 150.559+/-0.032 χ^2/NDF : 15112129.2/34

+ sign 195.343+/-0.027 χ^2/NDF : 24075498.2/59

Left Out: 338.130+/-0.056 χ^2/NDF :498601.7/24

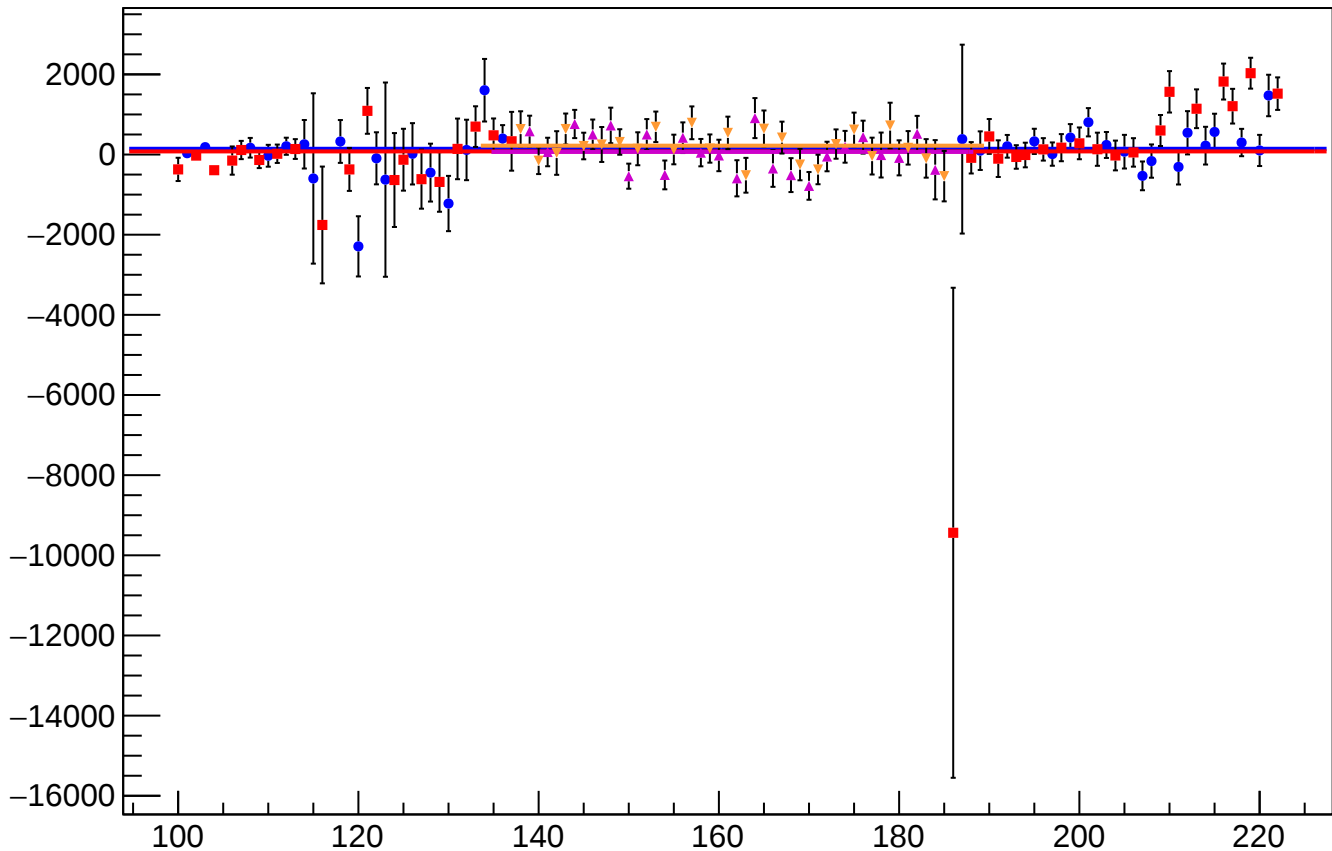
Right Out: 165.307 ± 0.032 χ^2/NDF : 13633544.0/37

All: 200.633 ± 0.020 $\chi^2/\text{NDF}: 45082211.2/12$

- sign 206.153 $\pm$ 0.028 χ^2 /NDF: 20931026.6/60

Left In: 338.564+/-0.058 χ^2 /NDF:437243.0/22

asym_sam_15_avg_mean vs Slug



Right In: 143.932 ± 51.855 χ^2/NDF : 39.7/34

Left Out: 221.083 ± 81.018 χ^2/NDF : 19.7/24

Right Out: 78.075 ± 50.296 χ^2/NDF : 109.7/37

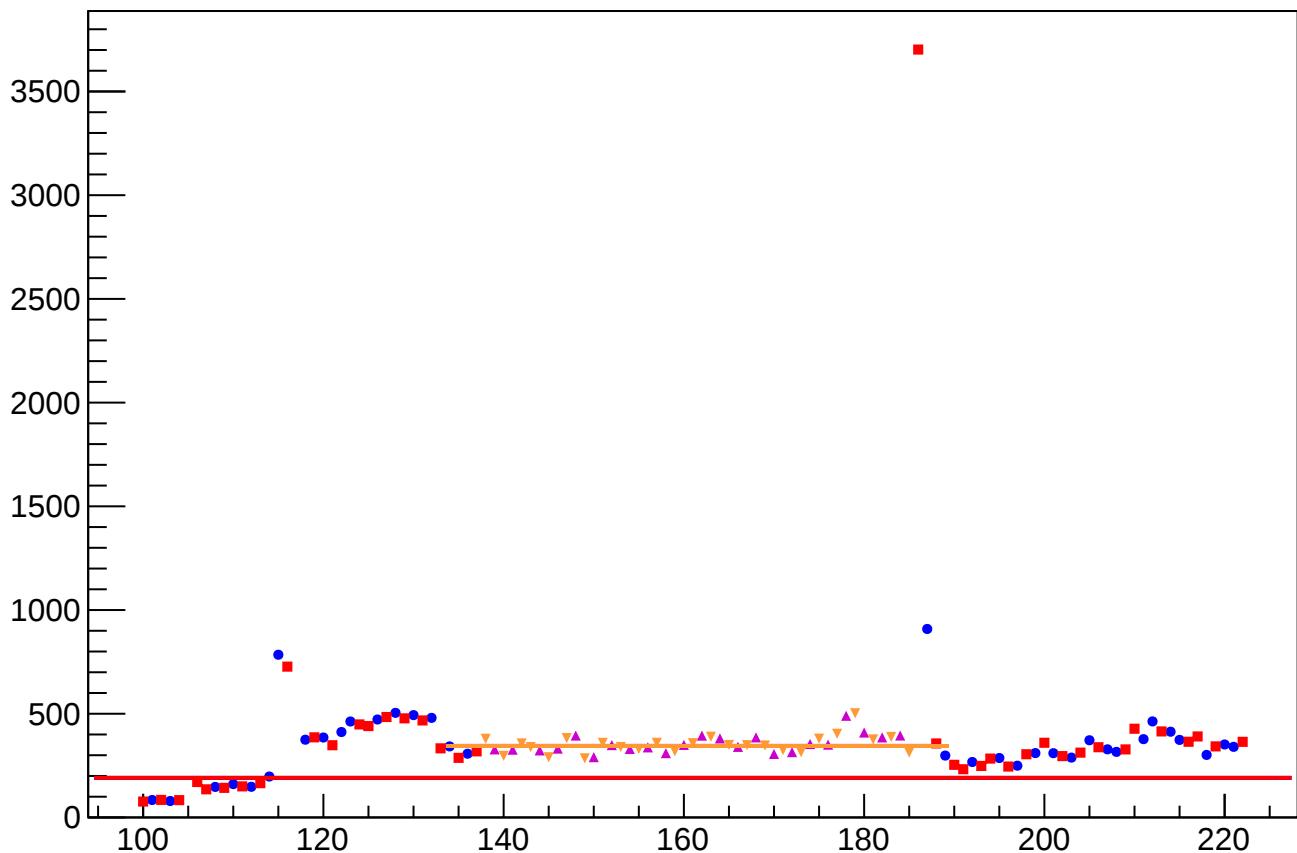
Left In: 65.510 ± 83.319 χ^2/NDF : 34.0/22

+ sign 166.353 ± 43.675 χ^2/NDF : 60.1/59

All: 119.885 ± 30.663 χ^2/NDF : 206.0/120

- sign 74.719 ± 43.059 χ^2/NDF : 143.7/60

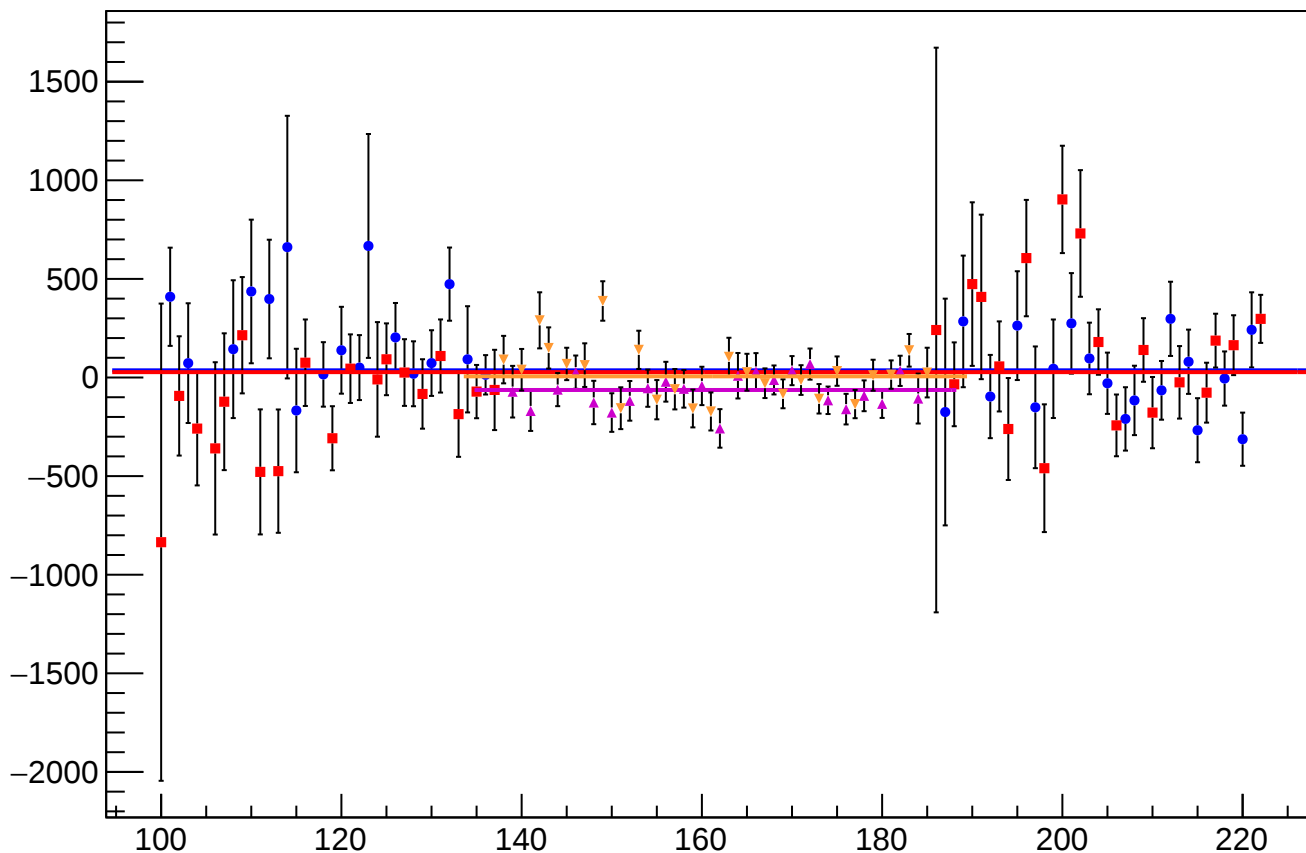
asym_sam_15_avg_rms vs Slug



Right In: 190.698 $\pm$ 0.037 χ^2 /NDF: 11221936.4/34
 Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF:488323.4/24
 Right Out: 191.023 $\pm$ 0.036 χ^2 /NDF: 11325208.0/37
 Left In: 345.039 $\pm$ 0.059 χ^2 /NDF:427381.3/22

+ sign 235.396 $\pm$ 0.031 χ^2 /NDF: 16823595.4/59
 All: 233.754 $\pm$ 0.022 χ^2 /NDF: 33590533.2/12
 - sign 232.158 $\pm$ 0.030 χ^2 /NDF: 16761364.2/60

reg_asym_sam_26_avg_mean vs Slug



Right In: 36.381 ± 32.793 χ^2/NDF : 34.7/34

Left Out: 6.020 ± 17.910 χ^2/NDF : 46.0/24

Right Out: 27.269 ± 33.419 χ^2/NDF : 52.8/37

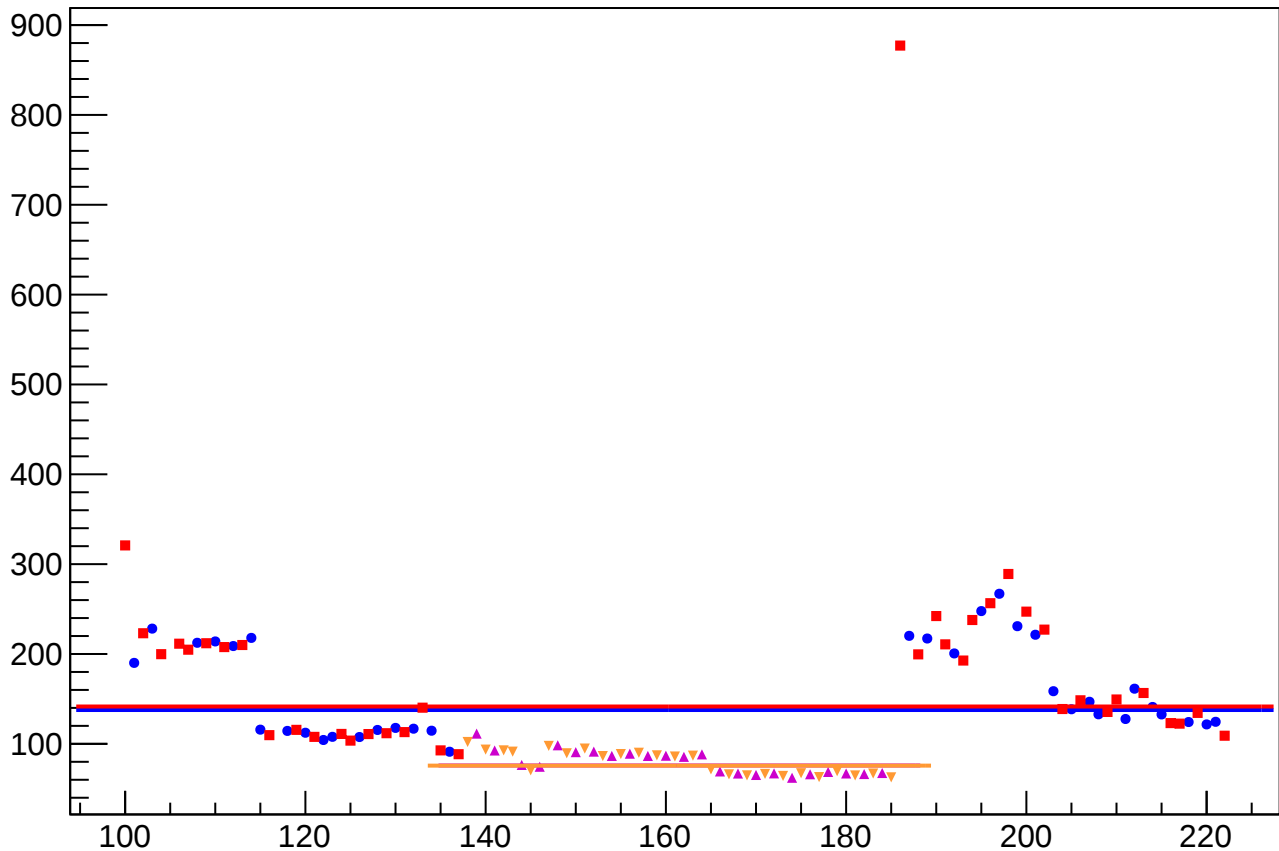
Left In: -63.279 ± 18.447 χ^2/NDF : 19.8/22

+ sign 12.995 ± 15.718 χ^2/NDF : 81.4/59

All: -13.823 ± 11.264 χ^2/NDF : 165.6/120

- sign -42.134 ± 16.150 χ^2/NDF : 78.2/60

reg_asym_sam_26_avg_rms vs Slug



Right In: 137.643 $\pm$ 0.023 χ^2 /NDF: 2981318.8/34

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 141.547 $\pm$ 0.024 χ^2 /NDF: 4160368.0/37

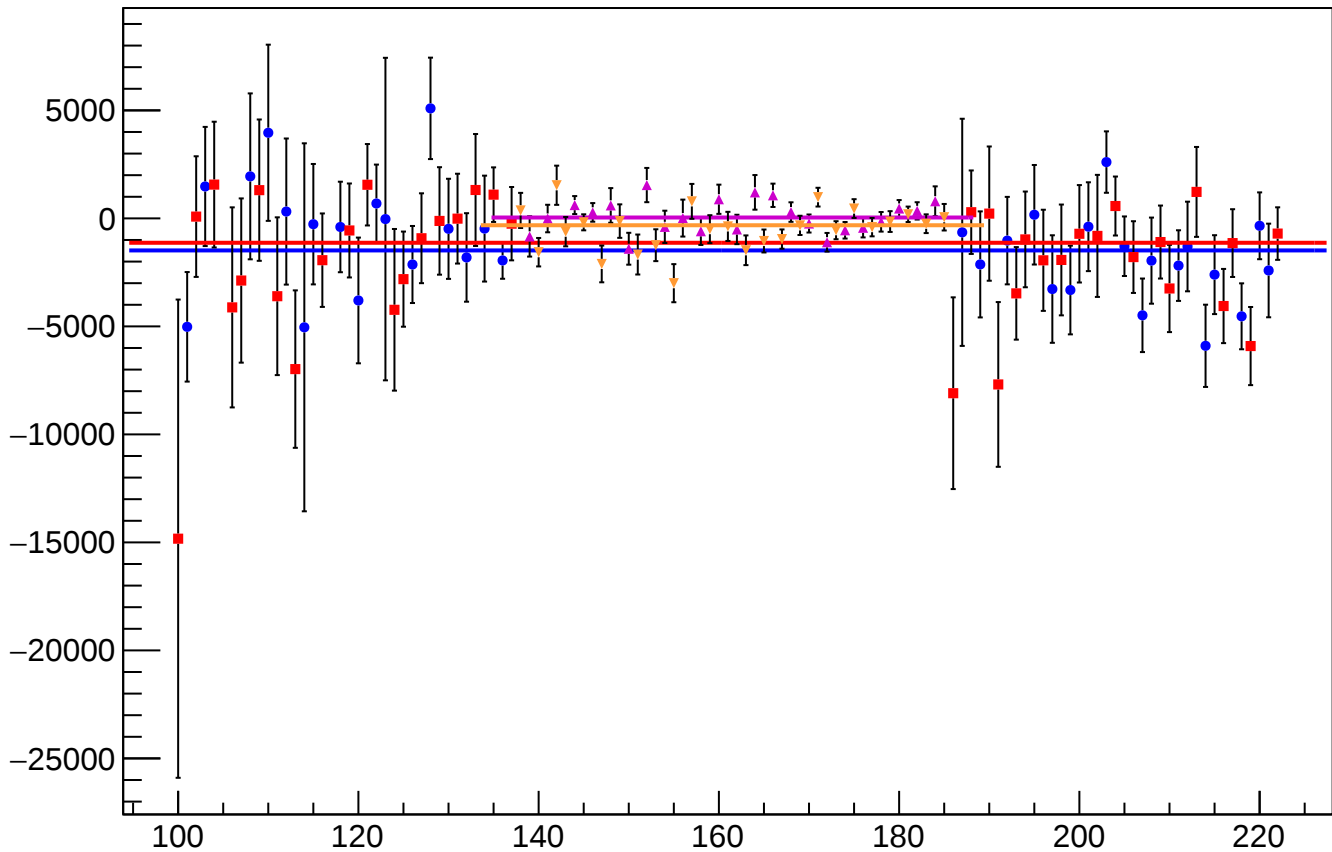
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 89.964 $\pm$ 0.011 χ^2 /NDF: 9408027.9/59

All: 90.584 $\pm$ 0.008 χ^2 /NDF: 20319497.8/120

- sign 91.237 $\pm$ 0.011 χ^2 /NDF: 10905087.2/60

asym_sam_26_avg_correction_mean vs Slug



Right In: -1483.586 ± 334.772 χ^2/NDF : 41.8/34

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -1129.070 ± 345.716 χ^2/NDF : 36.8/37

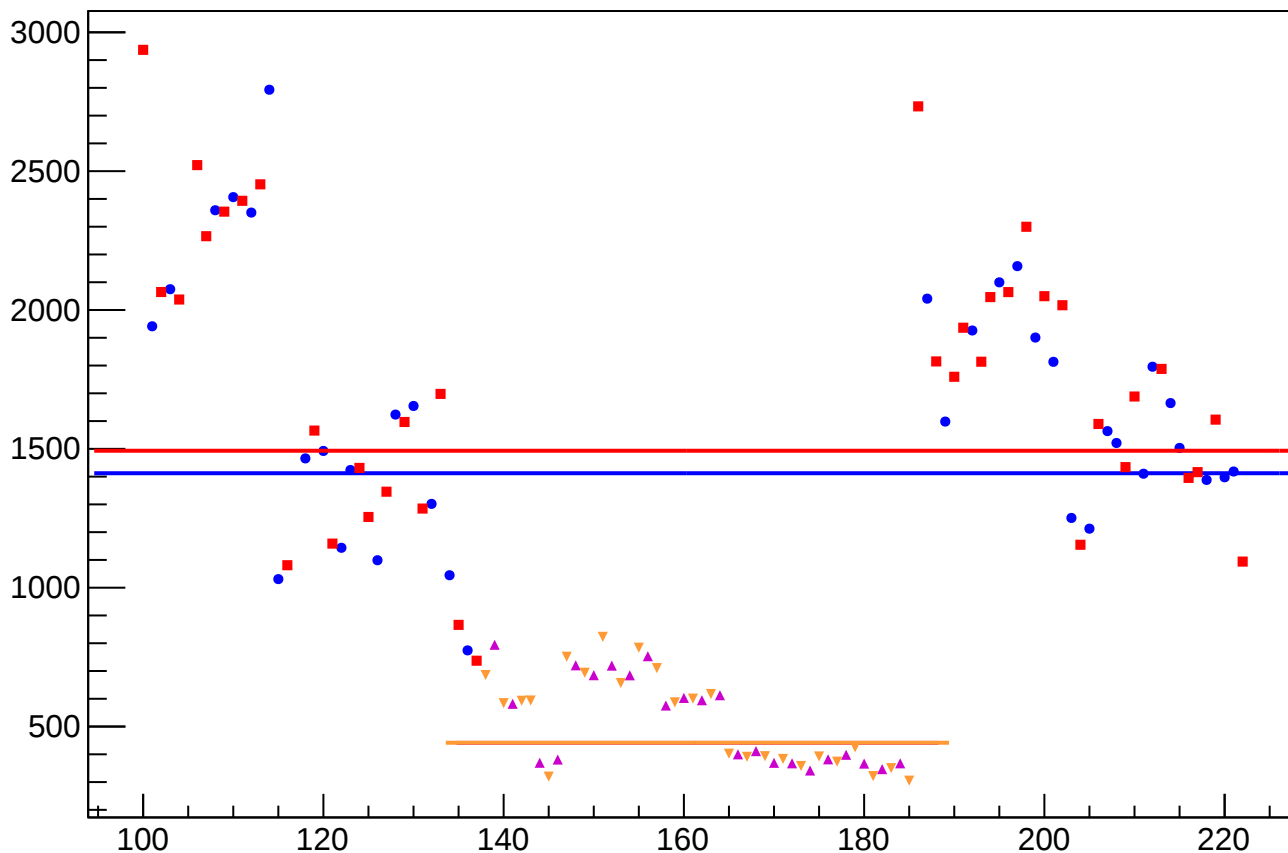
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -427.957 ± 102.795 χ^2/NDF : 102.8/59

All: -251.618 ± 73.468 χ^2/NDF : 190.7/120

- sign -67.493 ± 105.040 χ^2/NDF : 81.9/60

asym_sam_26_avg_correction_rms vs Slug



Right In: 1412.220+/-0.237 χ^2/NDF : 2930872.7/34

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

Right Out: 1493.208+/-0.244 χ^2/NDF : 3220942.5/37

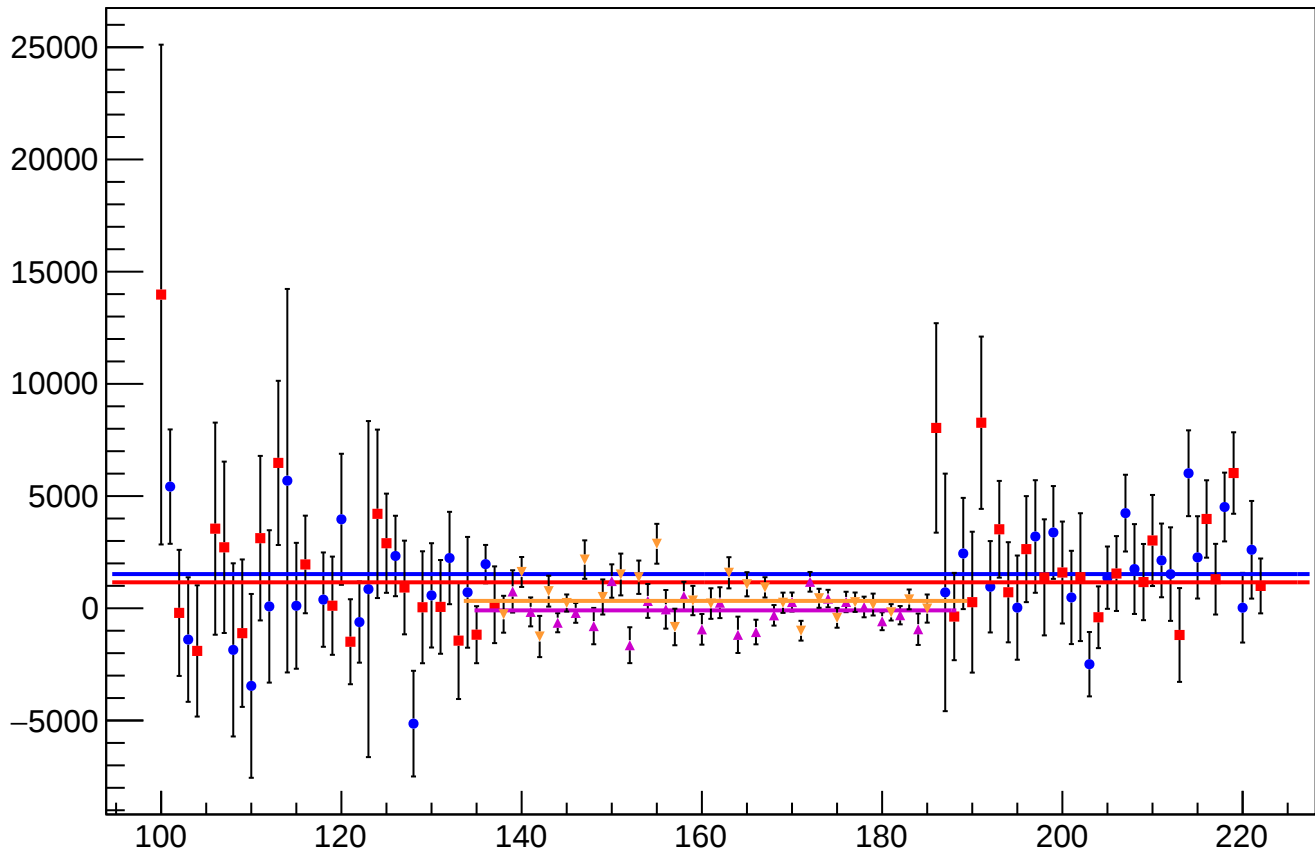
Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

+ sign 533.193+/-0.073 χ^2/NDF : 21324606.2/59

All: 535.614+/-0.052 χ^2/NDF : 43960775.5/12

- sign 538.142+/-0.074 χ^2/NDF : 22633901.5/60

asym_sam_26_avg_mean vs Slug



Right In: 1524.104 $\pm$ 336.719 χ^2 /NDF: 41.0/34

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: 1157.225 $\pm$ 347.728 χ^2 /NDF: 36.1/37

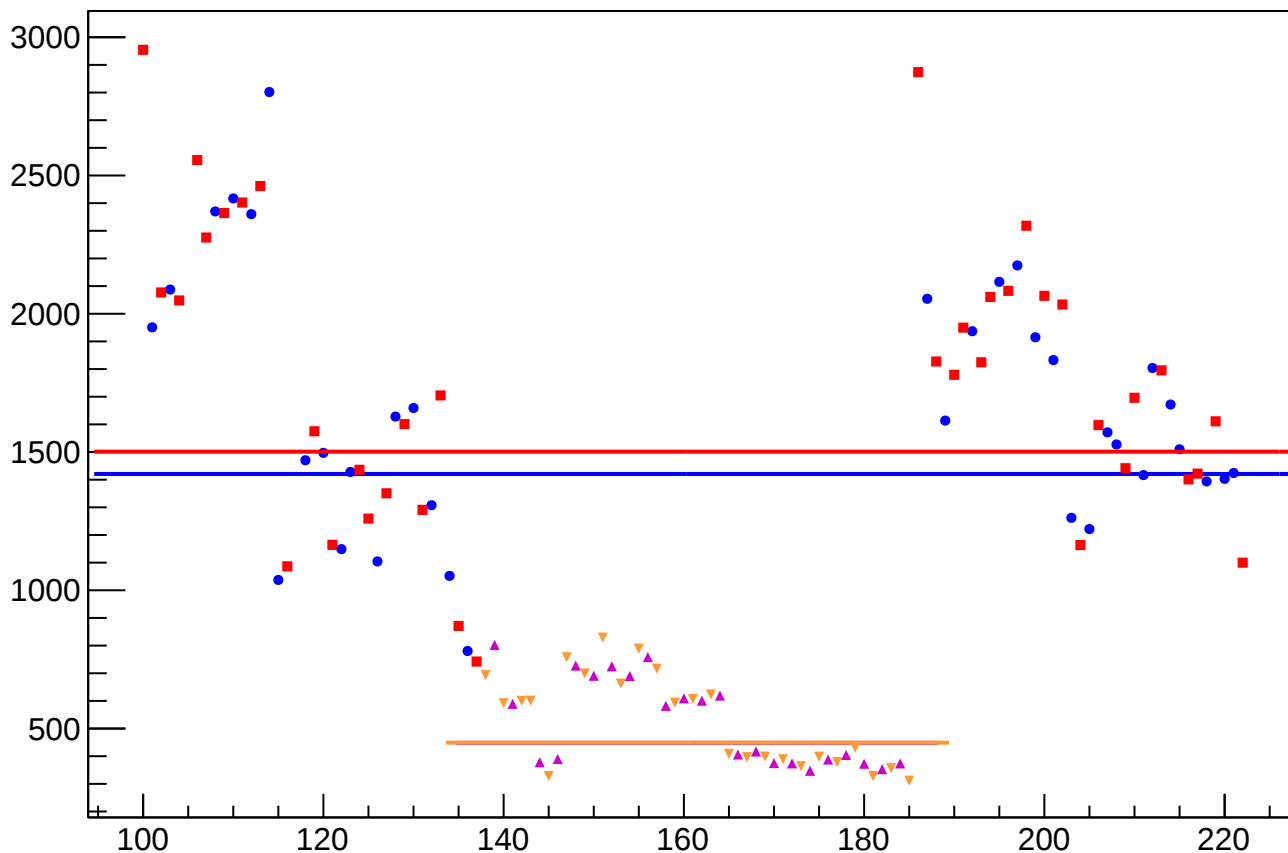
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 443.253 $\pm$ 104.277 χ^2 /NDF: 100.1/59

All: 238.265 $\pm$ 74.533 χ^2 /NDF: 189.1/120

- sign 24.153 $\pm$ 106.572 χ^2 /NDF: 81.1/60

asym_sam_26_avg_rms vs Slug



Right In: 1420.688 $\pm$ 0.238 χ^2 /NDF: 2919486.8/34

Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF:3090476.2/24

Right Out: 1501.344 $\pm$ 0.246 χ^2 /NDF: 3240833.0/37

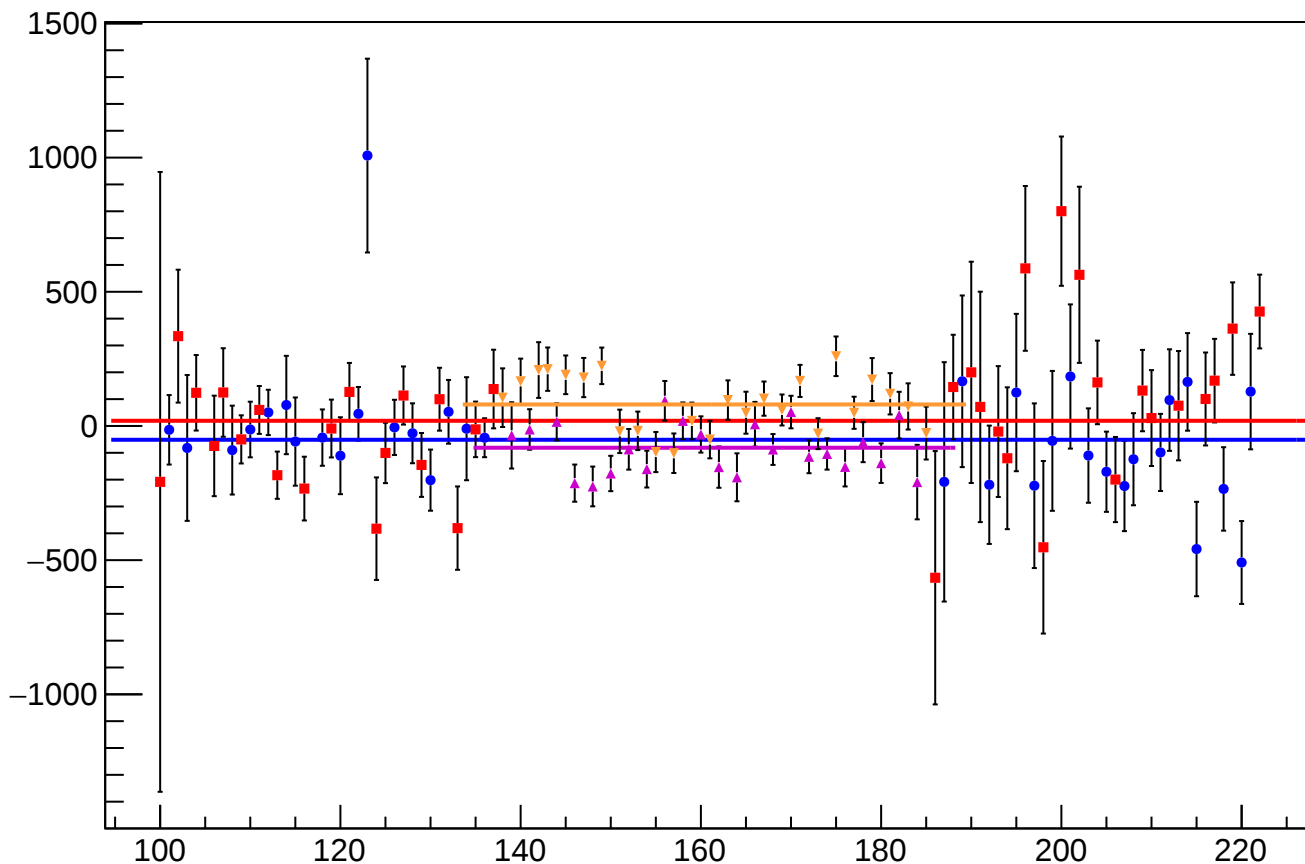
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF:2537376.0/22

+ sign 542.204 $\pm$ 0.074 χ^2 /NDF: 21067279.8/59

All: 544.657 $\pm$ 0.053 χ^2 /NDF: 43466533.4/12

- sign 547.219 $\pm$ 0.075 χ^2 /NDF: 22396991.3/60

reg_asym_sam_37_avg_mean vs Slug



Right In: -51.425 ± 24.446 χ^2/NDF : 37.7/34

Left Out: 80.171 ± 14.592 χ^2/NDF : 48.6/24

Right Out: 19.296 ± 24.057 χ^2/NDF : 66.6/37

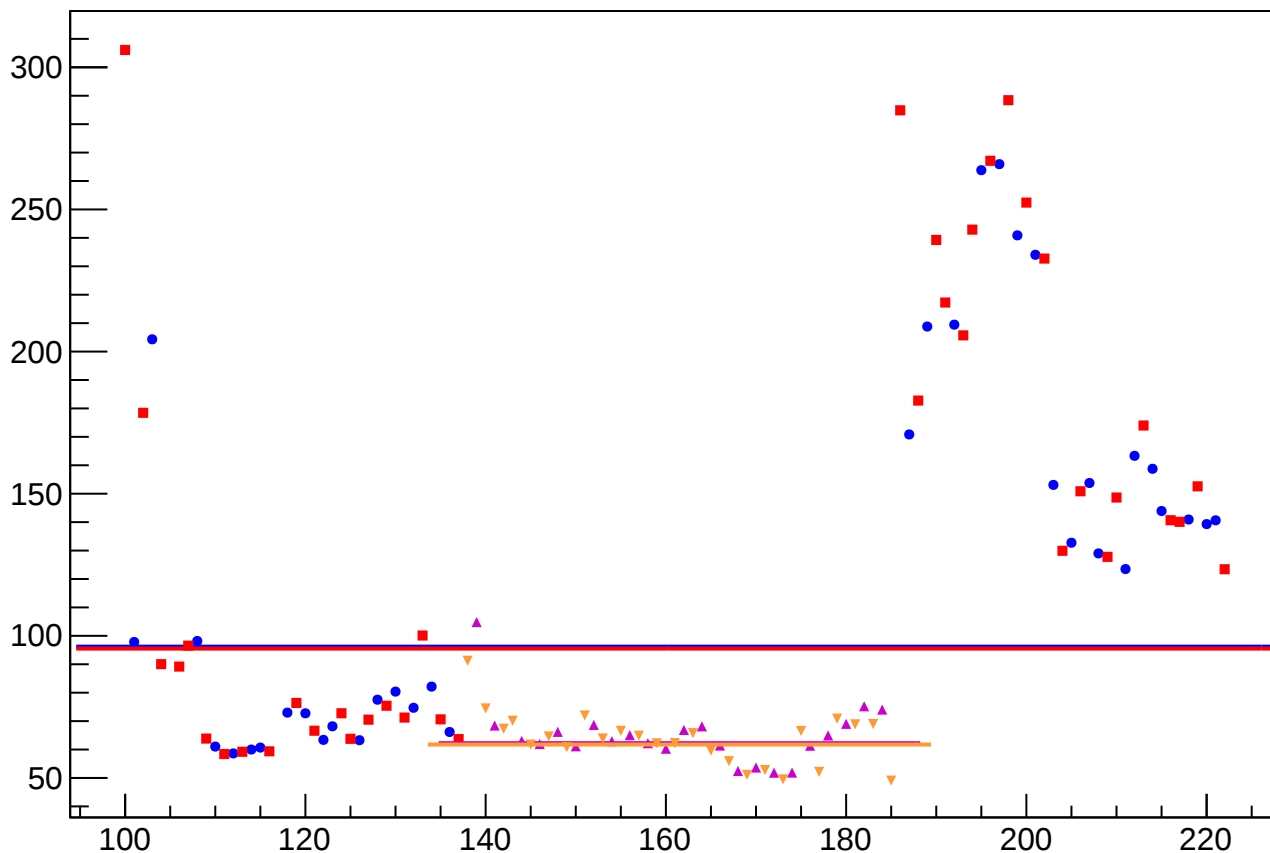
Left In: -81.156 ± 15.105 χ^2/NDF : 35.3/22

+ sign 45.600 ± 12.530 χ^2/NDF : 107.6/59

All: -2.554 ± 8.951 χ^2/NDF : 252.2/120

- sign -52.751 ± 12.793 χ^2/NDF : 114.4/60

reg_asym_sam_37_avg_rms vs Slug



Right In: 96.198 $\pm$ 0.017 χ^2 /NDF: 7203061.9/34

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 95.511 $\pm$ 0.017 χ^2 /NDF: 8267357.9/37

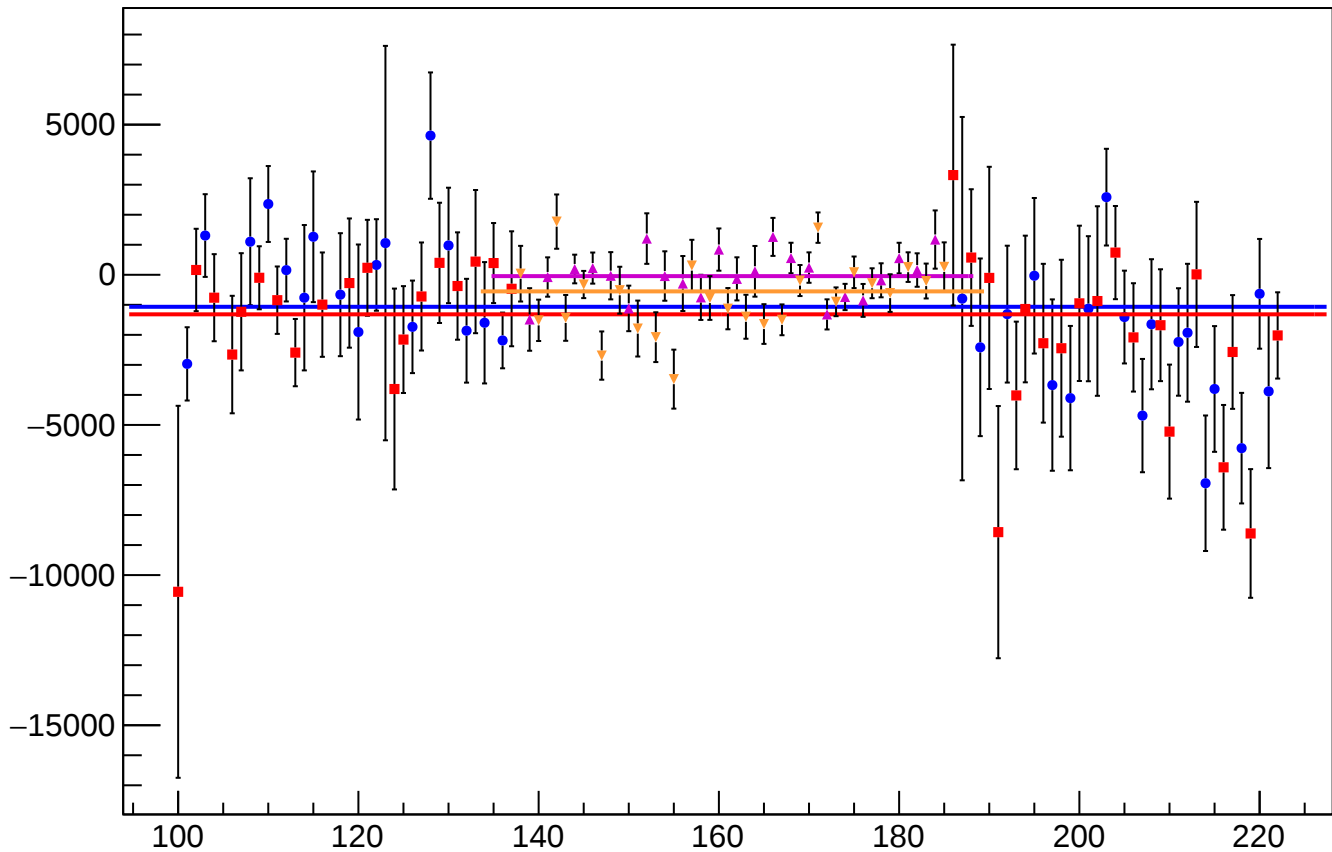
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 70.808 $\pm$ 0.009 χ^2 /NDF: 10774753.1/59

All: 71.223 $\pm$ 0.006 χ^2 /NDF: 22379670.4/120

- sign 71.655 $\pm$ 0.009 χ^2 /NDF: 11600436.5/60

asym_sam_37_avg_correction_mean vs Slug



Right In: -1065.809 $\pm$ 305.118 χ^2/NDF : 56.4/34

Left Out: -552.511 $\pm$ 126.981 χ^2/NDF : 65.3/24

Right Out: -1316.716 $\pm$ 300.198 χ^2/NDF : 42.4/37

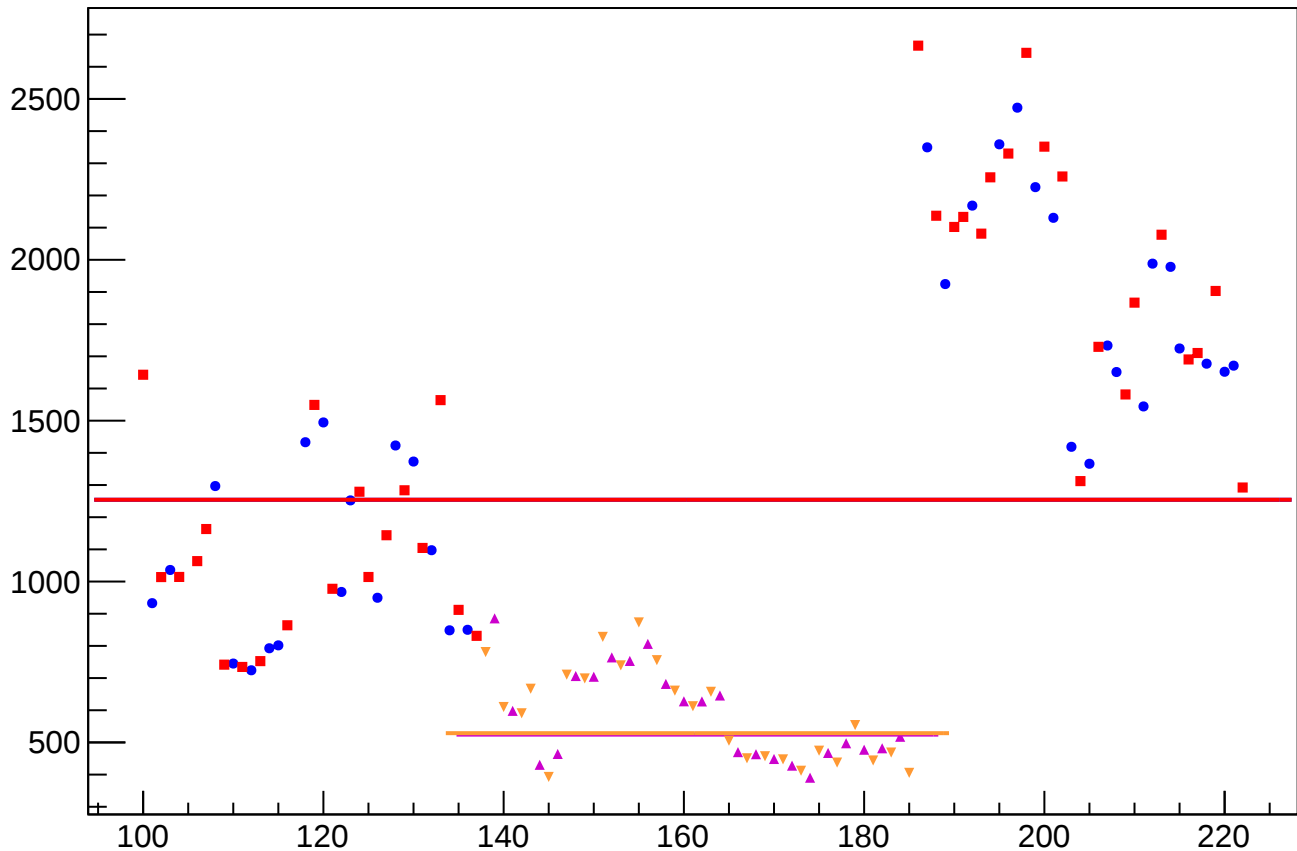
Left In: -44.578 $\pm$ 129.095 χ^2/NDF : 29.6/22

+ sign -628.288 $\pm$ 117.234 χ^2/NDF : 124.1/59

All: -437.923 $\pm$ 83.373 χ^2/NDF : 216.6/120

- sign -243.116 $\pm$ 118.594 χ^2/NDF : 87.1/60

asym_sam_37_avg_correction_rms vs Slug



Right In: 1254.138 $\pm$ 0.216 χ^2 /NDF: 4717902.1/34

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF: 1983697.7/24

Right Out: 1254.233 $\pm$ 0.212 χ^2 /NDF: 5557010.1/37

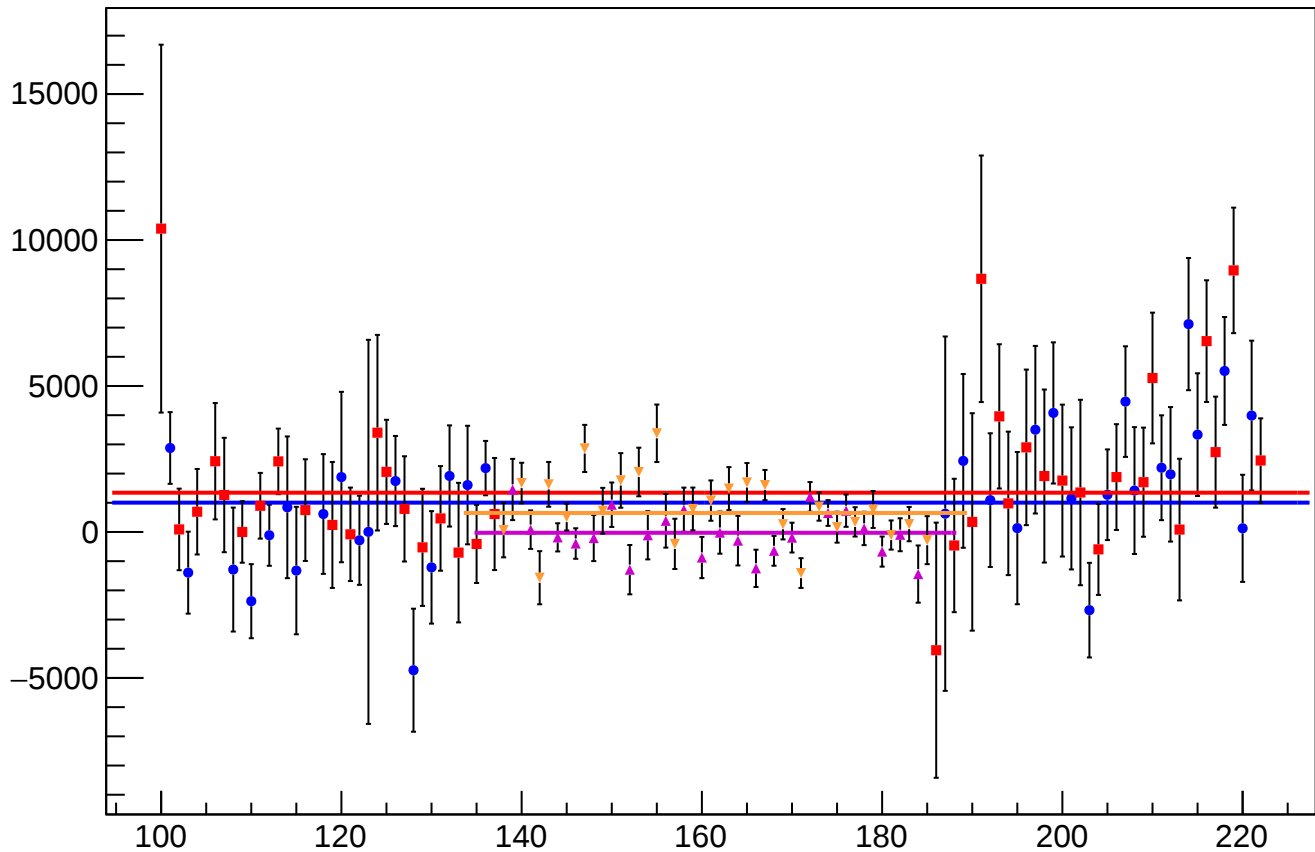
Left In: 524.268 $\pm$ 0.091 χ^2 /NDF: 1716257.3/22

+ sign 635.826 $\pm$ 0.083 χ^2 /NDF: 16337274.8/59

All: 636.995 $\pm$ 0.059 χ^2 /NDF: 33590862.9/12

- sign 638.191 $\pm$ 0.084 χ^2 /NDF: 17253185.9/60

asym_sam_37_avg_mean vs Slug



Right In: 1004.646 ± 306.512 χ^2/NDF : 55.6/34

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 1345.373 ± 301.673 χ^2/NDF : 43.3/37

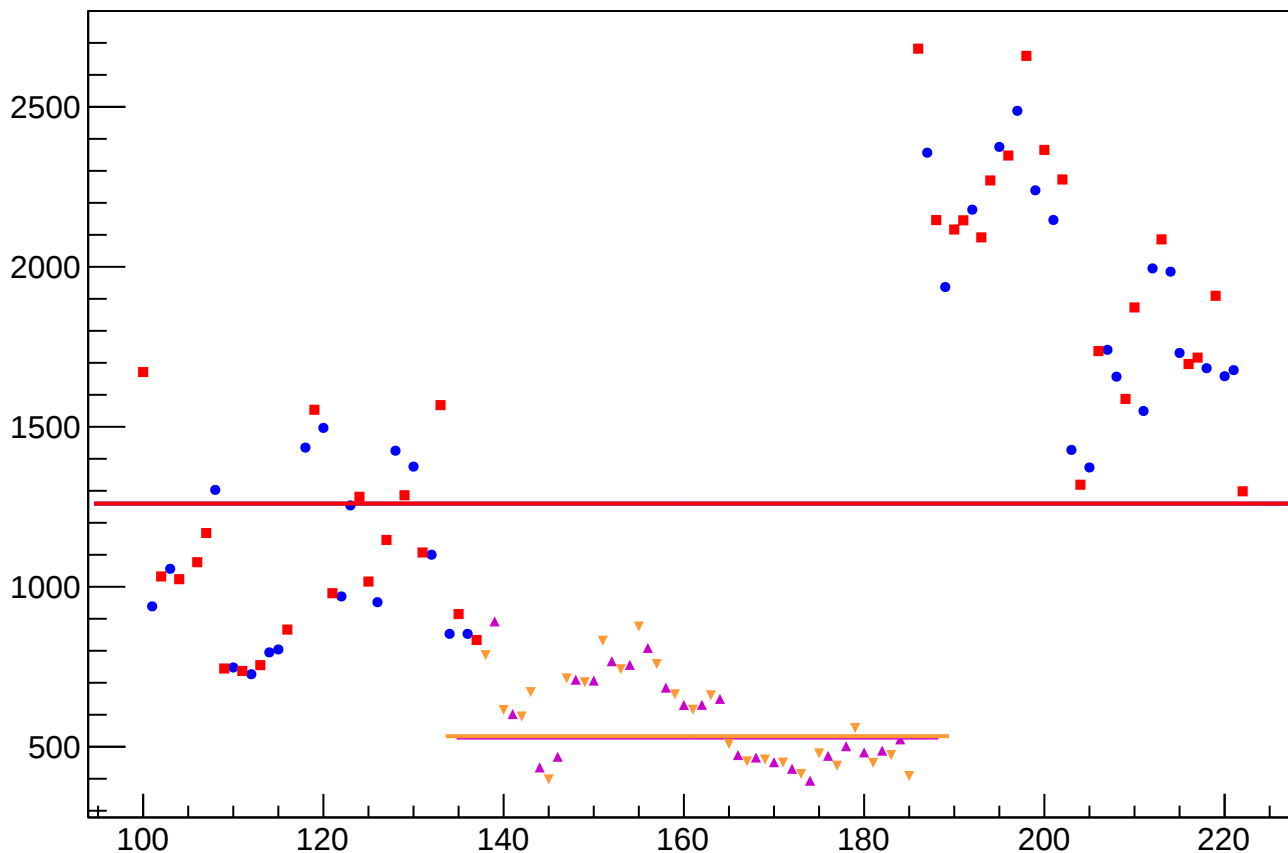
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 703.964 ± 118.084 χ^2/NDF : 117.8/59

All: 448.966 ± 83.989 χ^2/NDF : 216.4/120

- sign 187.883 ± 119.485 χ^2/NDF : 89.2/60

asym_sam_37_avg_rms vs Slug



Right In: 1259.821 $\pm$ 0.217 χ^2 /NDF: 4720852.4/34

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 1260.175 $\pm$ 0.213 χ^2 /NDF: 5561981.0/37

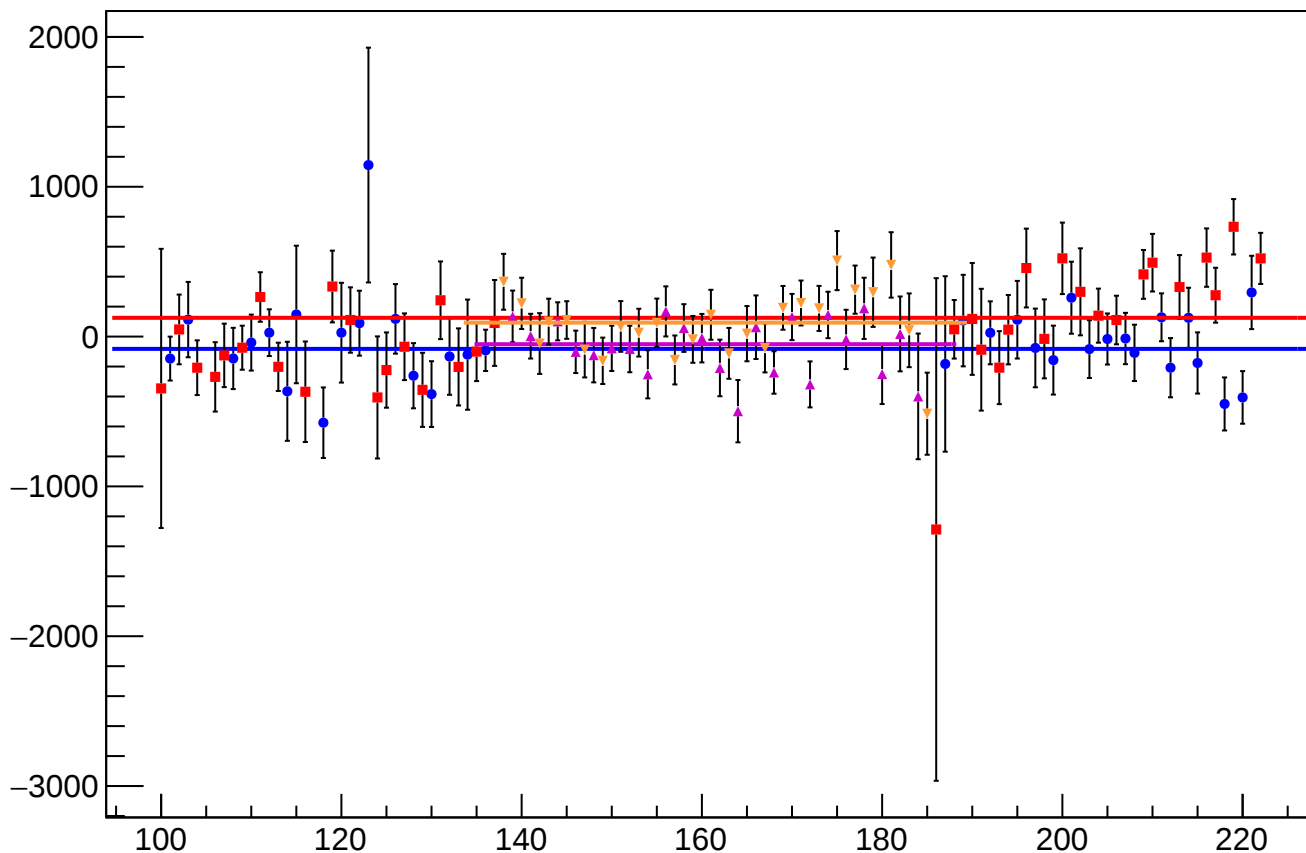
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 640.925 $\pm$ 0.083 χ^2 /NDF: 16247506.1/59

All: 642.170 $\pm$ 0.059 χ^2 /NDF: 33412595.1/12

- sign 643.445 $\pm$ 0.084 χ^2 /NDF: 17164639.0/60

reg_asym_sam_48_avg_mean vs Slug



Right In: -82.161 ± 35.902 χ^2/NDF : 30.6/34

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: 125.232 ± 35.481 χ^2/NDF : 65.9/37

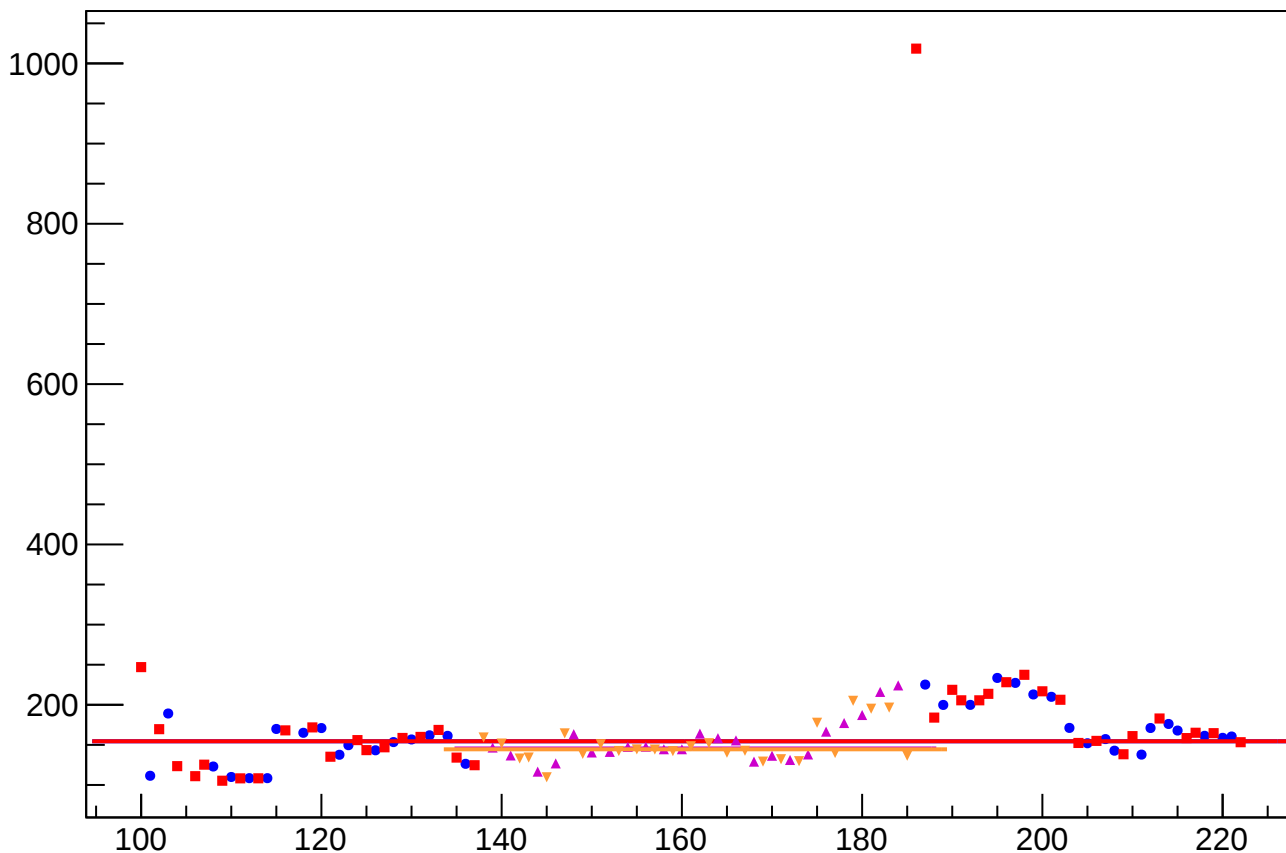
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 10.042 ± 24.707 χ^2/NDF : 72.5/59

All: 23.188 ± 17.579 χ^2/NDF : 174.9/120

- sign 36.667 ± 25.017 χ^2/NDF : 101.8/60

reg_asym_sam_48_avg_rms vs Slug



Right In: 154.470+/-0.025 χ^2/NDF : 1535968.1/34

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 154.524+/-0.025 χ^2/NDF : 2337571.8/37

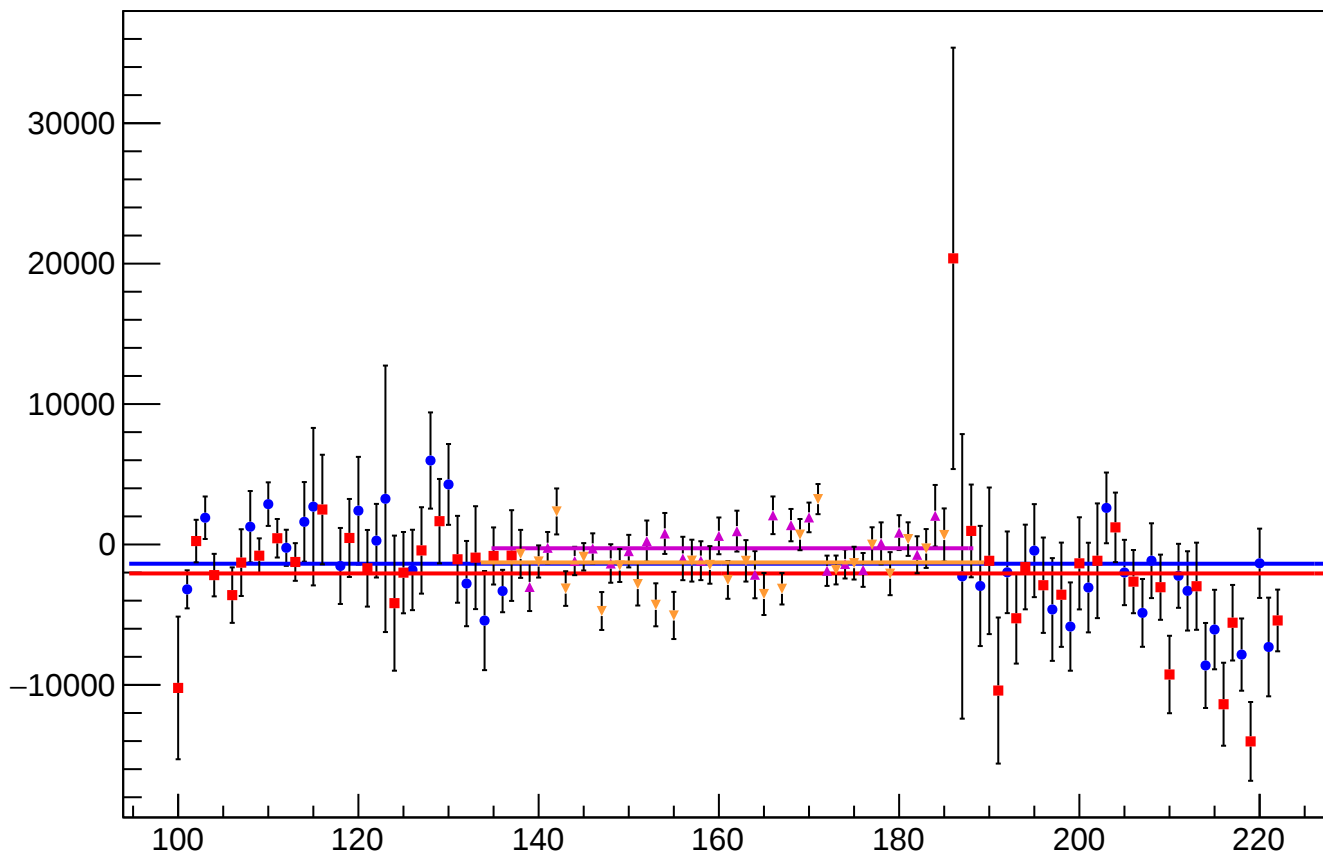
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 149.209+/-0.017 χ^2/NDF : 2288058.4/59

All: 149.601+/-0.012 χ^2/NDF : 5334734.9/120

- sign 150.004+/-0.018 χ^2/NDF : 3045654.5/60

asym_sam_48_avg_correction_mean vs Slug



Right In: -1370.328 ± 415.921 $\chi^2/\text{NDF}: 57.0/34$

Left Out: -1279.328 ± 259.299 $\chi^2/\text{NDF}: 55.9/24$

Right Out: -2062.838 ± 396.271 $\chi^2/\text{NDF}: 63.4/37$

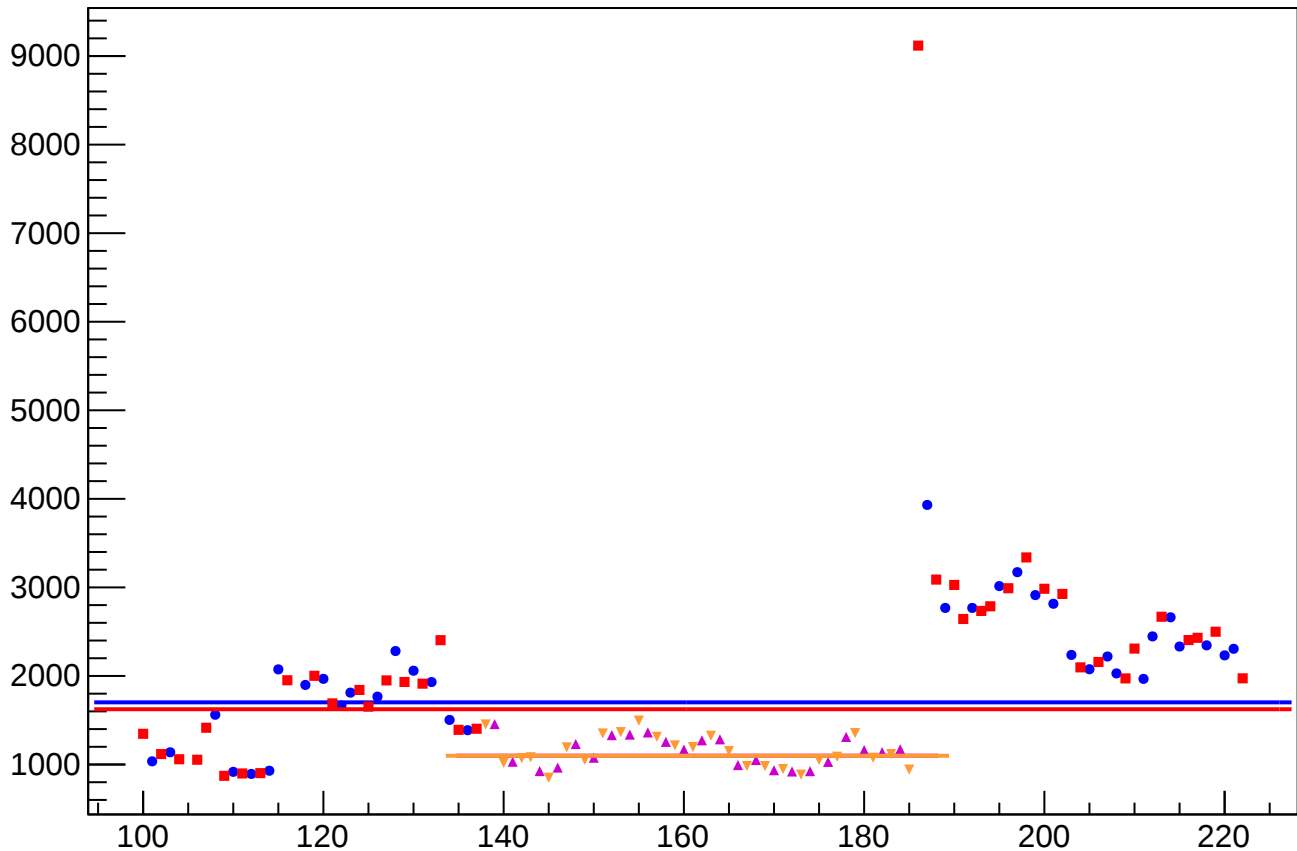
Left In: -269.952 ± 266.245 $\chi^2/\text{NDF}: 24.3/22$

+ sign -1304.797 ± 220.040 $\chi^2/\text{NDF}: 113.0/59$

All: -1067.220 ± 155.929 $\chi^2/\text{NDF}: 217.1/120$

- sign -827.573 ± 220.997 $\chi^2/\text{NDF}: 101.7/60$

asym_sam_48_avg_correction_rms vs Slug



Right In: 1701.899+/-0.294 χ^2/NDF : 5115613.4/34

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1624.260+/-0.280 χ^2/NDF : 6900468.2/37

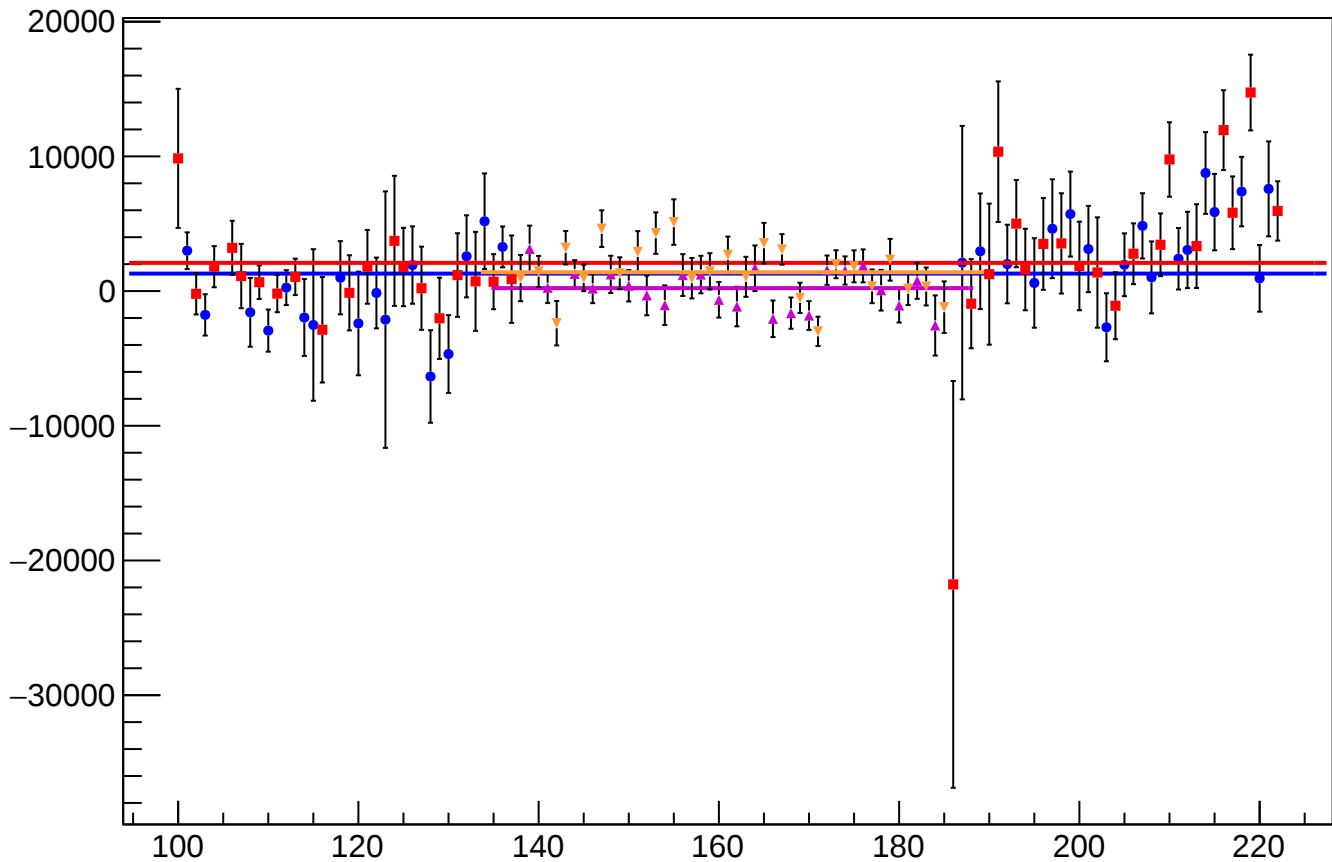
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1267.678+/-0.156 χ^2/NDF : 8967064.4/59

All: 1265.234+/-0.110 χ^2/NDF : 18963573.2/120

- sign 1262.769+/-0.156 χ^2/NDF : 9996013.3/60

asym_sam_48_avg_mean vs Slug



Right In: 1298.671 $\pm$ 418.030 χ^2 /NDF: 56.4/34

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF: 52.2/24

Right Out: 2093.943 $\pm$ 398.663 χ^2 /NDF: 68.4/37

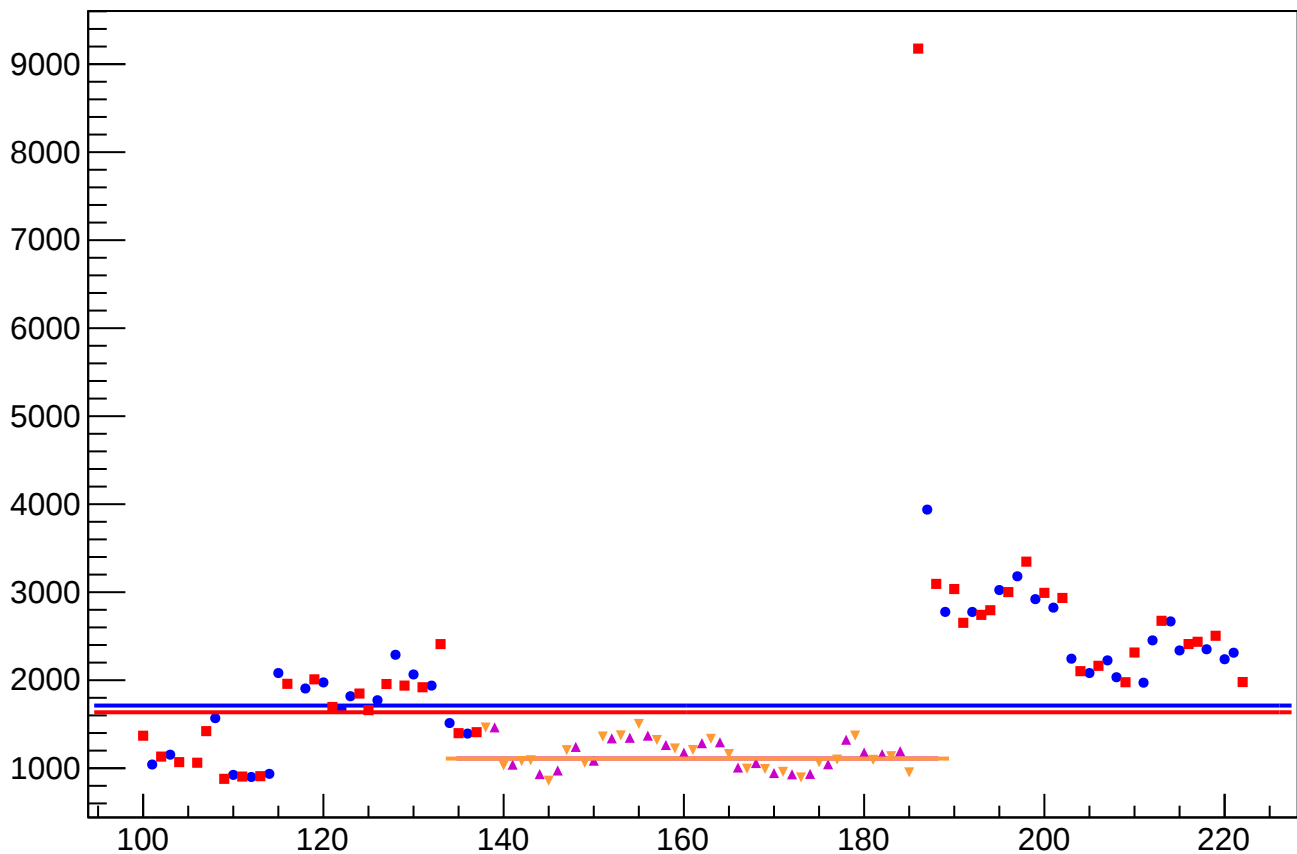
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1371.782 $\pm$ 221.882 χ^2 /NDF: 108.7/59

All: 1089.895 $\pm$ 157.253 χ^2 /NDF: 220.5/120

- sign 805.410 $\pm$ 222.901 χ^2 /NDF: 108.6/60

asym_sam_48_avg_rms vs Slug



Right In: 1712.005+/-0.296 χ^2/NDF : 5059193.4/34

Left Out: 1109.761+/-0.185 χ^2/NDF :812174.9/24

Right Out: 1635.611+/-0.282 χ^2/NDF : 6827538.6/37

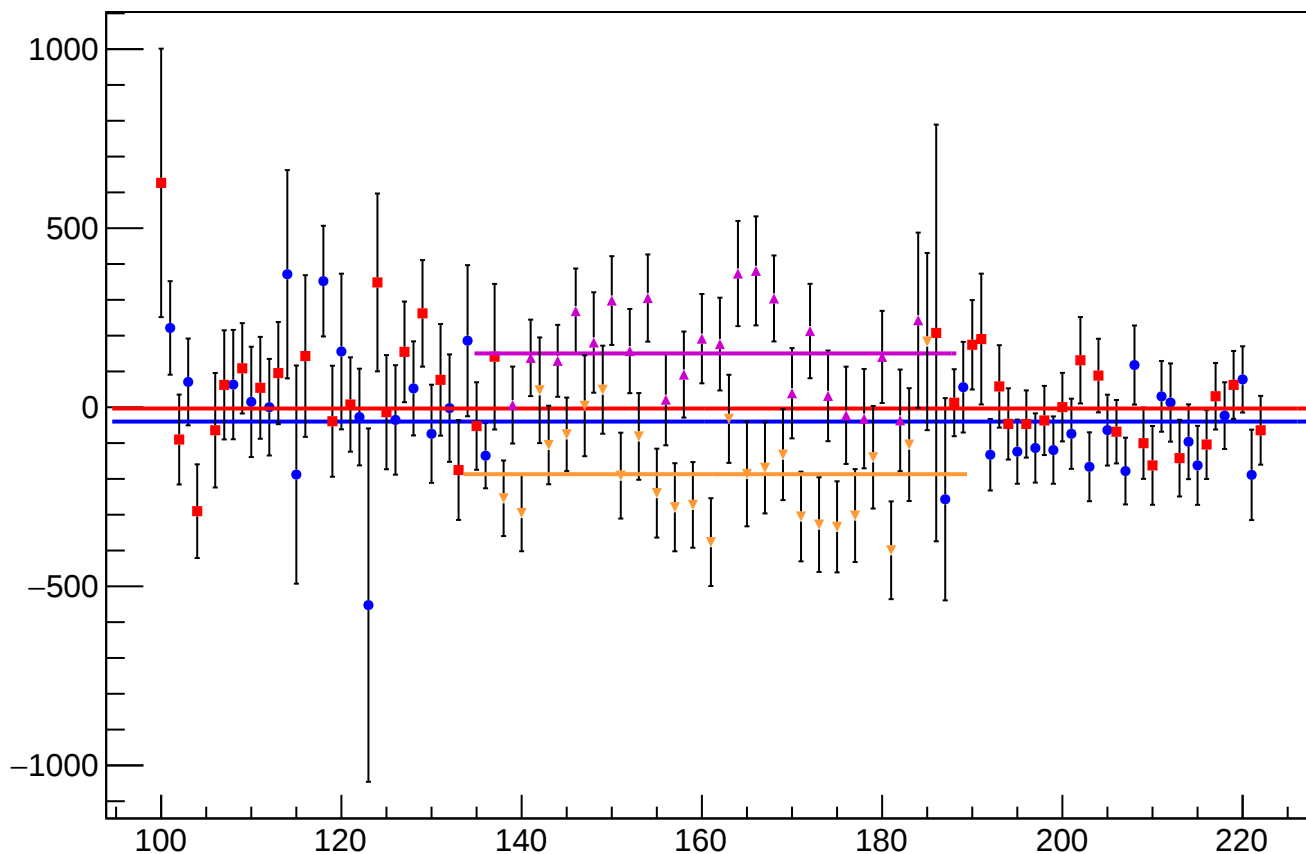
Left In: 1110.542+/-0.190 χ^2/NDF :669928.9/22

+ sign 1279.429+/-0.157 χ^2/NDF : 8852965.0/59

All: 1277.069+/-0.111 χ^2/NDF : 18735674.2/1

- sign 1274.688+/-0.158 χ^2/NDF : 9882254.7/60

reg_asym_sam_15_dd_mean vs Slug



Right In: -39.923 ± 20.243 χ^2/NDF : 34.6/34

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: -3.454 ± 19.802 χ^2/NDF : 32.8/37

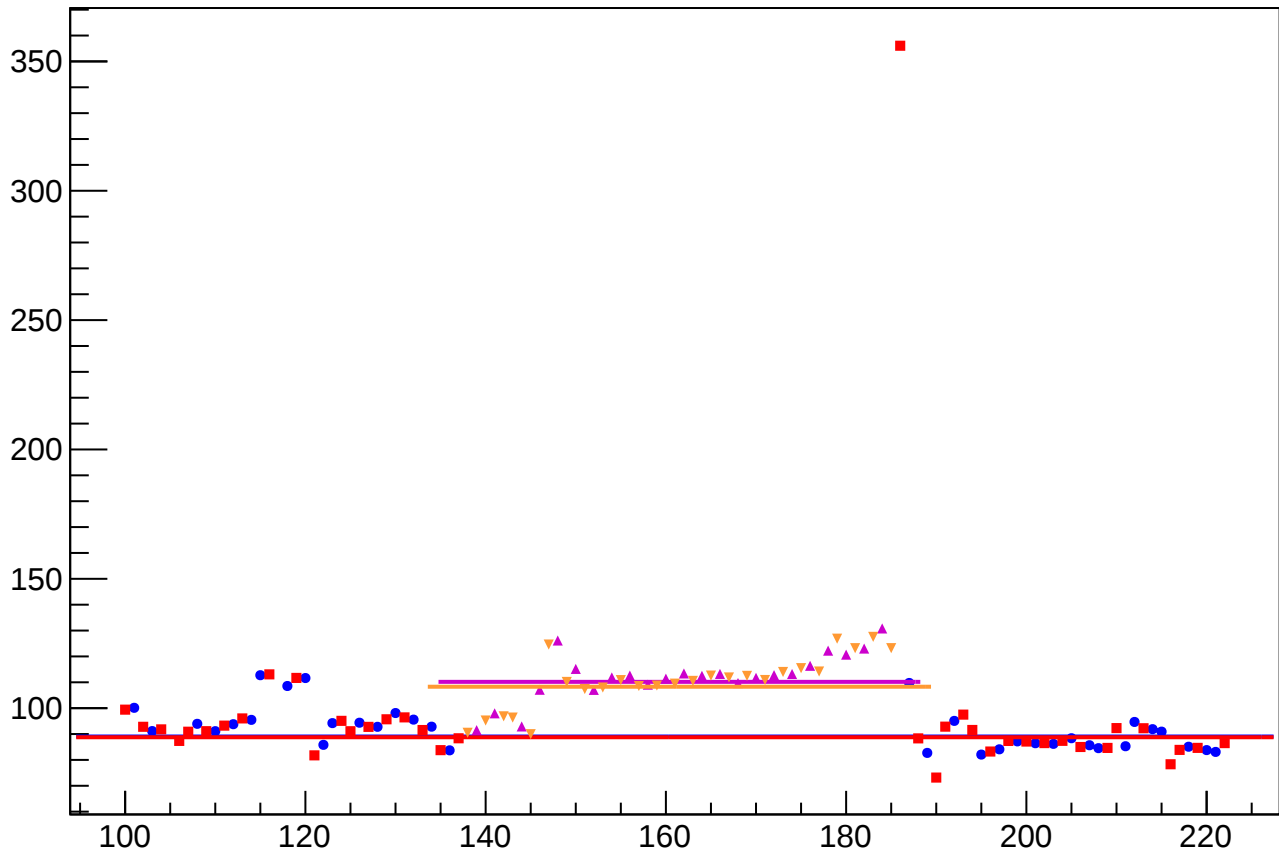
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -97.245 ± 15.808 χ^2/NDF : 81.8/59

All: -22.927 ± 11.193 χ^2/NDF : 201.2/120

- sign 51.791 ± 15.851 χ^2/NDF : 75.2/60

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.044+/-0.014 χ^2 /NDF: 187345.0/34

Left Out: 108.287+/-0.018 χ^2 /NDF: 330693.5/24

Right Out: 88.756+/-0.014 χ^2 /NDF: 624360.8/37

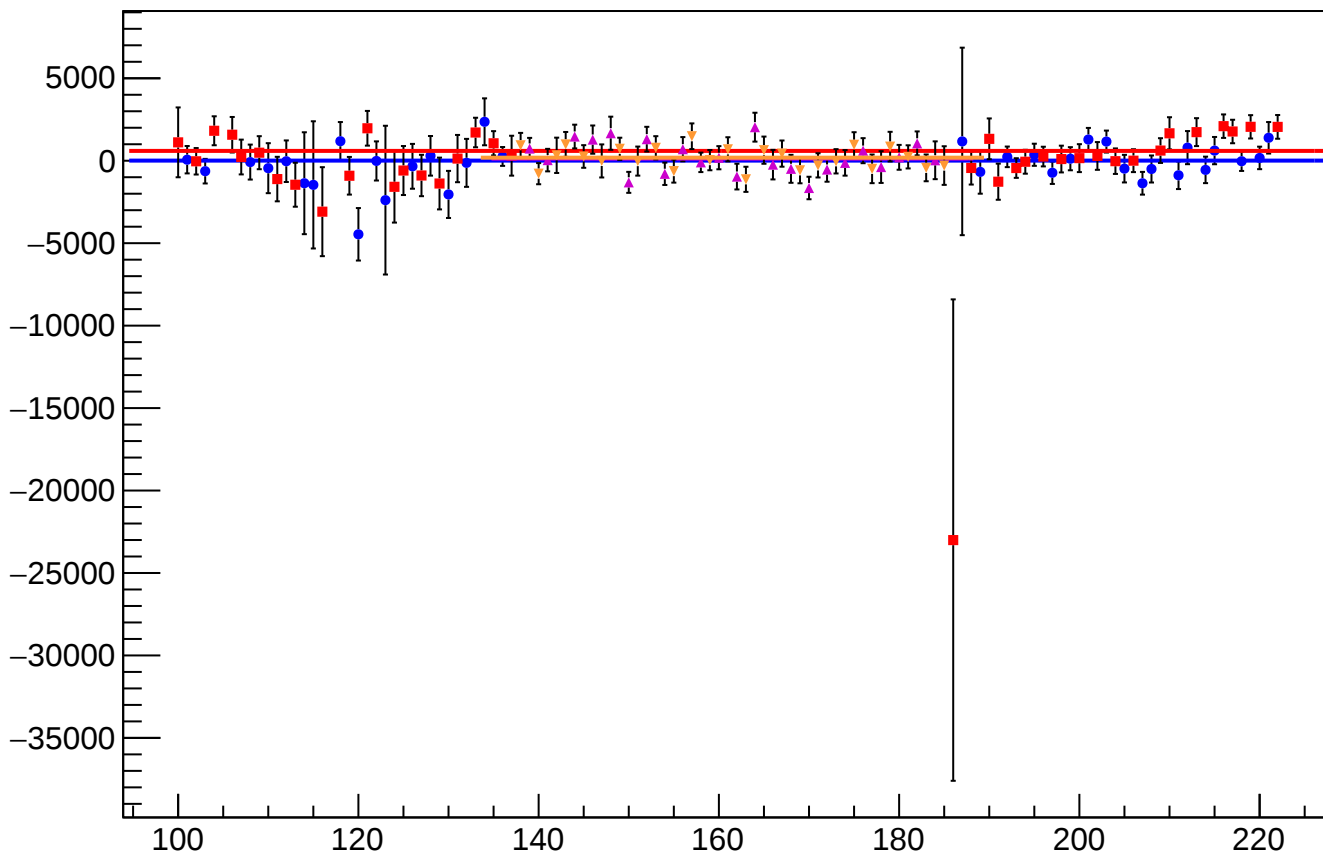
Left In: 110.173+/-0.019 χ^2 /NDF: 246967.7/22

+ sign 96.552+/-0.011 χ^2 /NDF: 1223223.7/59

All: 96.501+/-0.008 χ^2 /NDF: 2935107.8/120

- sign 96.450+/-0.011 χ^2 /NDF: 1711843.0/60

asym_sam_15_dd_correction_mean vs Slug



Right In: 7.486 ± 151.678 χ^2/NDF : 33.4/34

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 596.013 ± 149.207 χ^2/NDF : 51.4/37

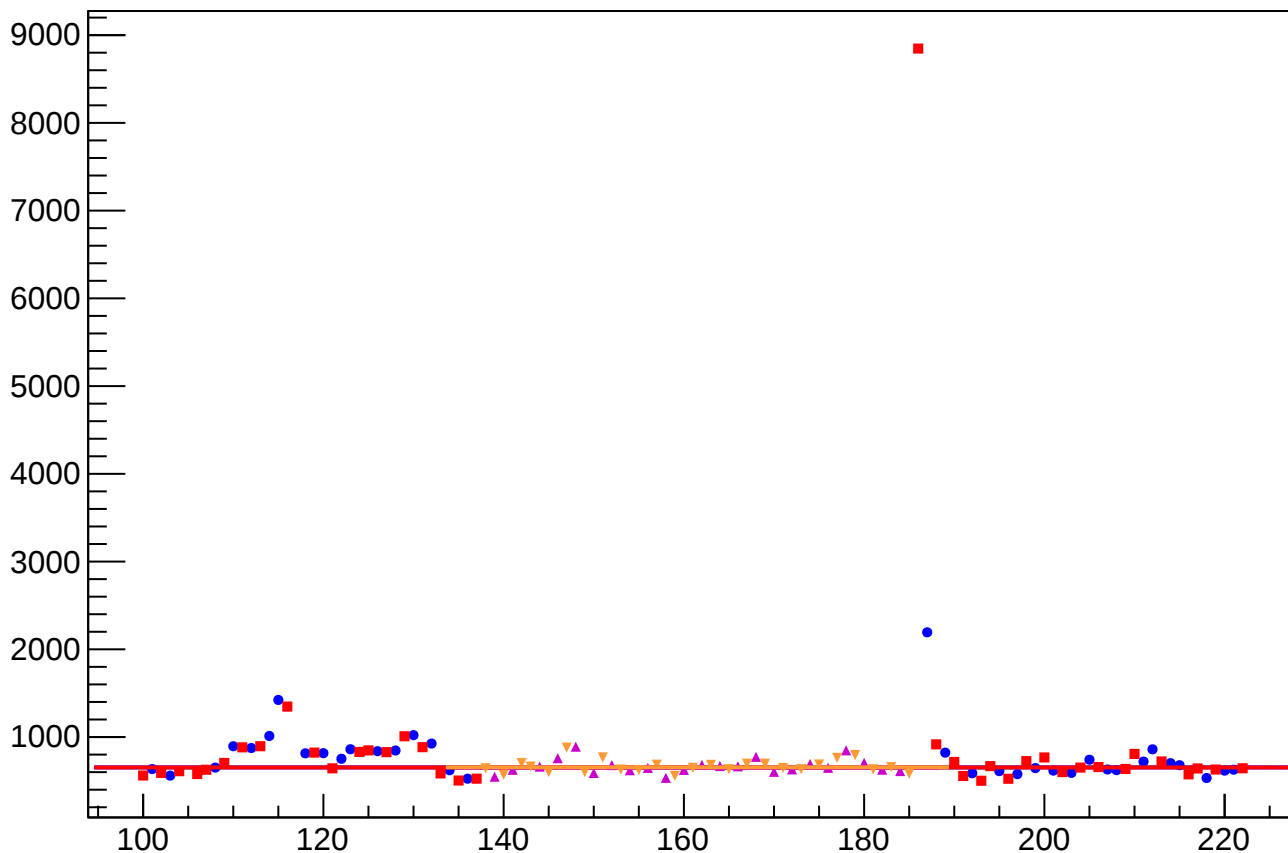
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 95.271 ± 107.955 χ^2/NDF : 52.4/59

All: 234.566 ± 76.424 χ^2/NDF : 148.0/120

- sign 374.511 ± 108.206 χ^2/NDF : 92.3/60

asym_sam_15_dd_correction_rms vs Slug



Right In: 653.987 $\pm$ 0.107 χ^2 /NDF: 1204346.5/34

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 653.424 $\pm$ 0.106 χ^2 /NDF: 1857071.2/37

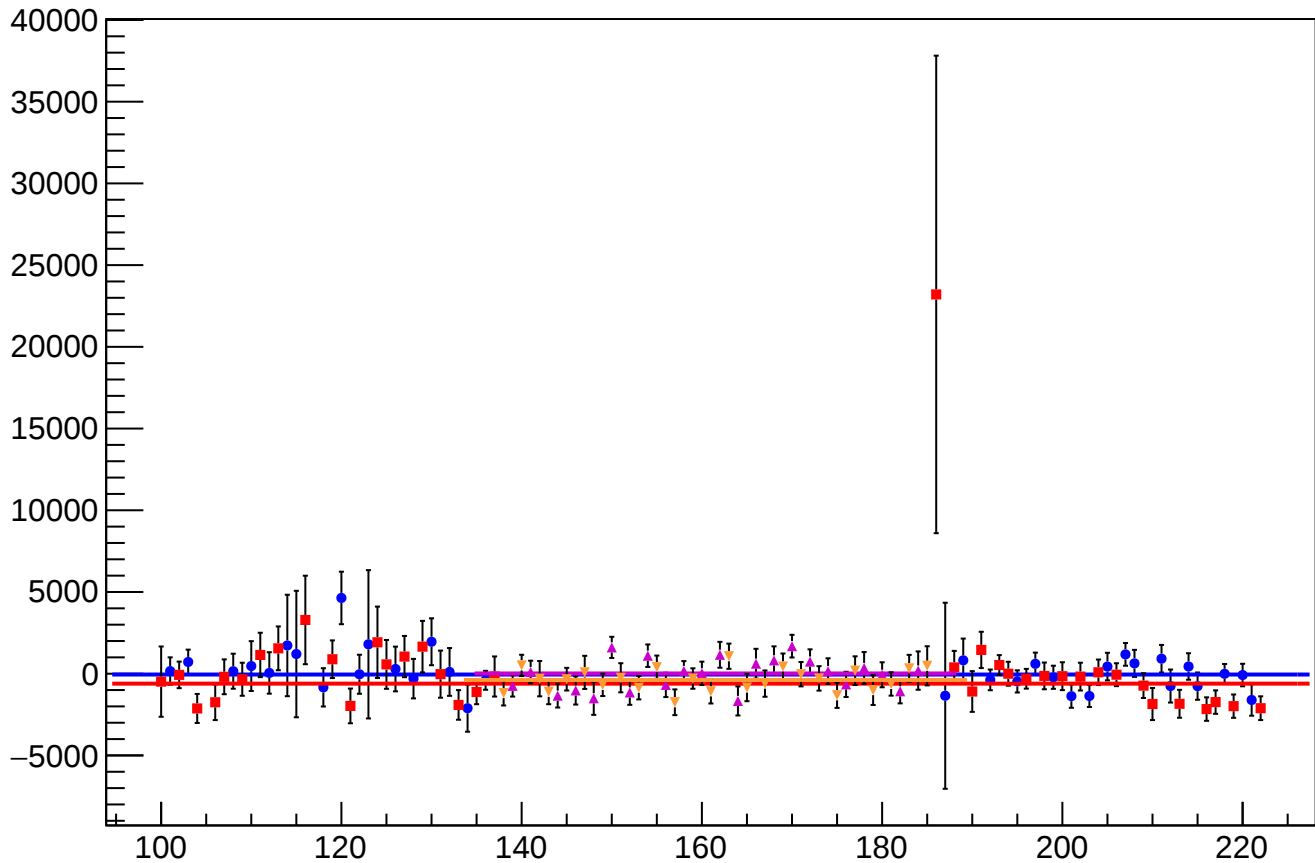
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 654.564 $\pm$ 0.076 χ^2 /NDF: 1571754.8/59

All: 653.394 $\pm$ 0.054 χ^2 /NDF: 3895688.2/120

- sign 652.220 $\pm$ 0.077 χ^2 /NDF: 2323463.0/60

asym_sam_15_dd_mean vs Slug



Right In: -50.132 ± 153.197 χ^2/NDF : 34.3/34

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -607.845 ± 150.736 χ^2/NDF : 55.8/37

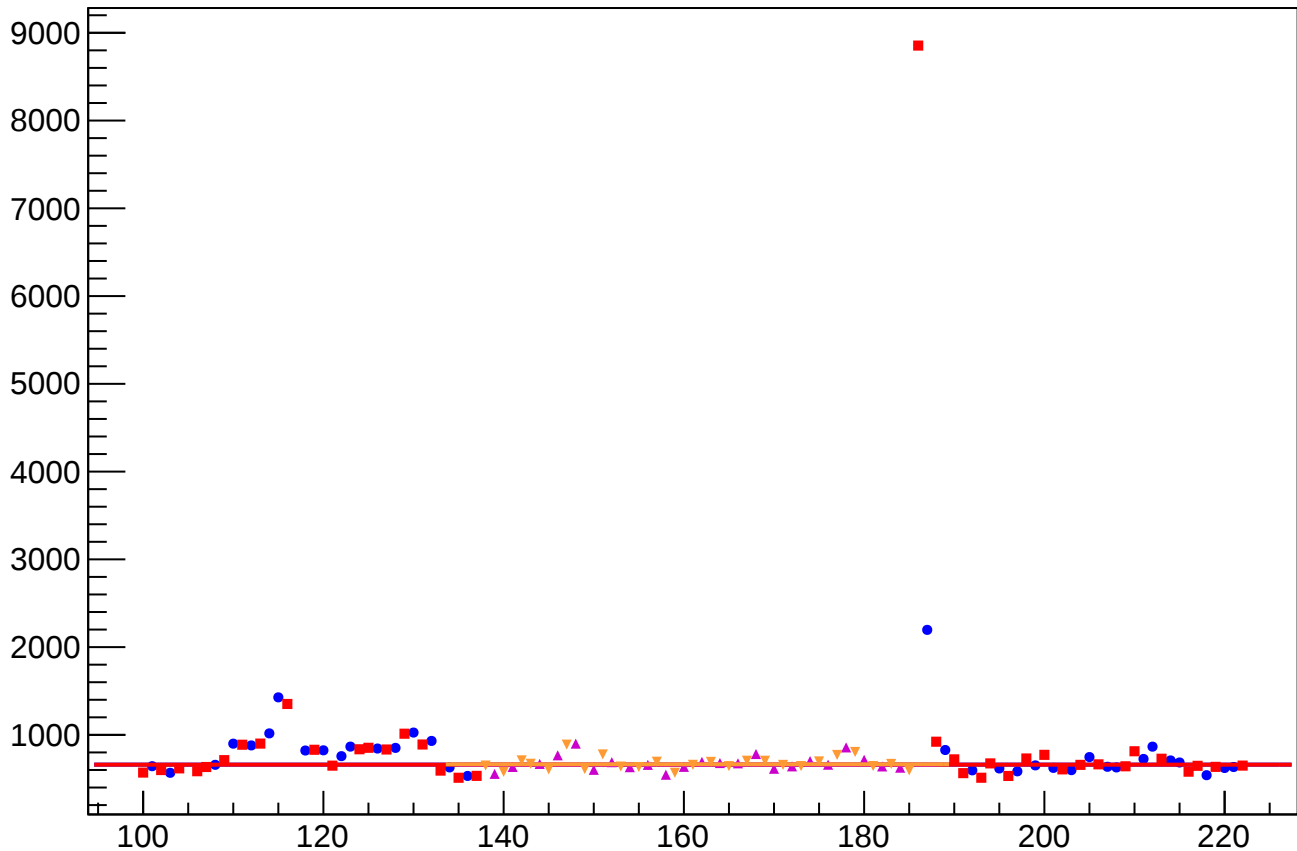
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -211.930 ± 109.267 χ^2/NDF : 55.4/59

All: -262.899 ± 77.366 χ^2/NDF : 156.9/120

- sign -314.140 ± 109.558 χ^2/NDF : 101.0/60

asym_sam_15_dd_rms vs Slug



Right In: 660.923+/-0.108 χ^2/NDF : 1176437.5/34

Left Out: 664.773+/-0.110 χ^2/NDF : 357053.8/24

Right Out: 660.590+/-0.107 χ^2/NDF : 1819748.2/37

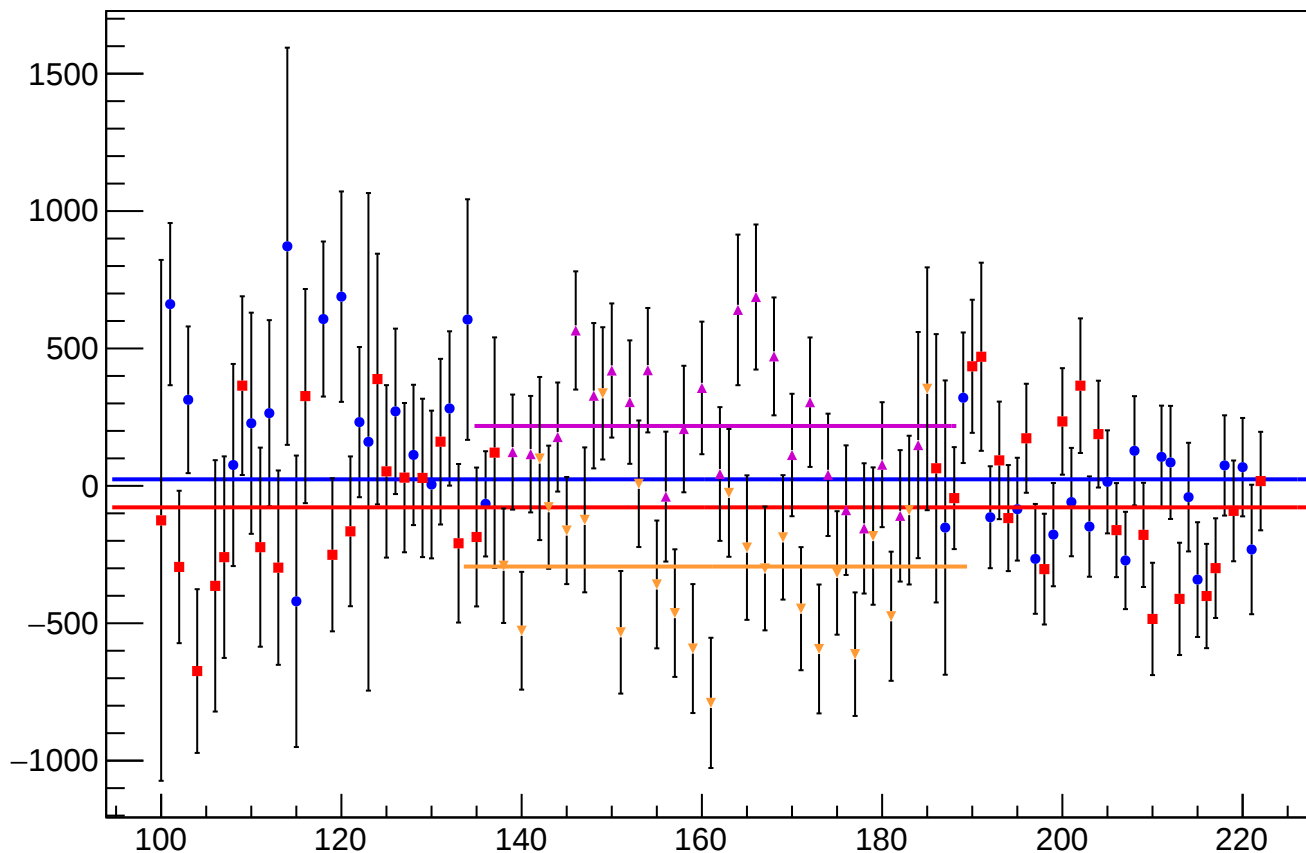
Left In: 660.890+/-0.113 χ^2/NDF : 449180.0/22

+ sign 662.814+/-0.077 χ^2/NDF : 1534111.6/59

All: 661.776+/-0.055 χ^2/NDF : 3803406.0/120

- sign 660.731+/-0.077 χ^2/NDF : 2268932.0/60

reg_asym_sam_26_dd_mean vs Slug



Right In: 23.825 ± 39.956 χ^2/NDF : 34.9/34

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -78.160 ± 39.629 χ^2/NDF : 42.2/37

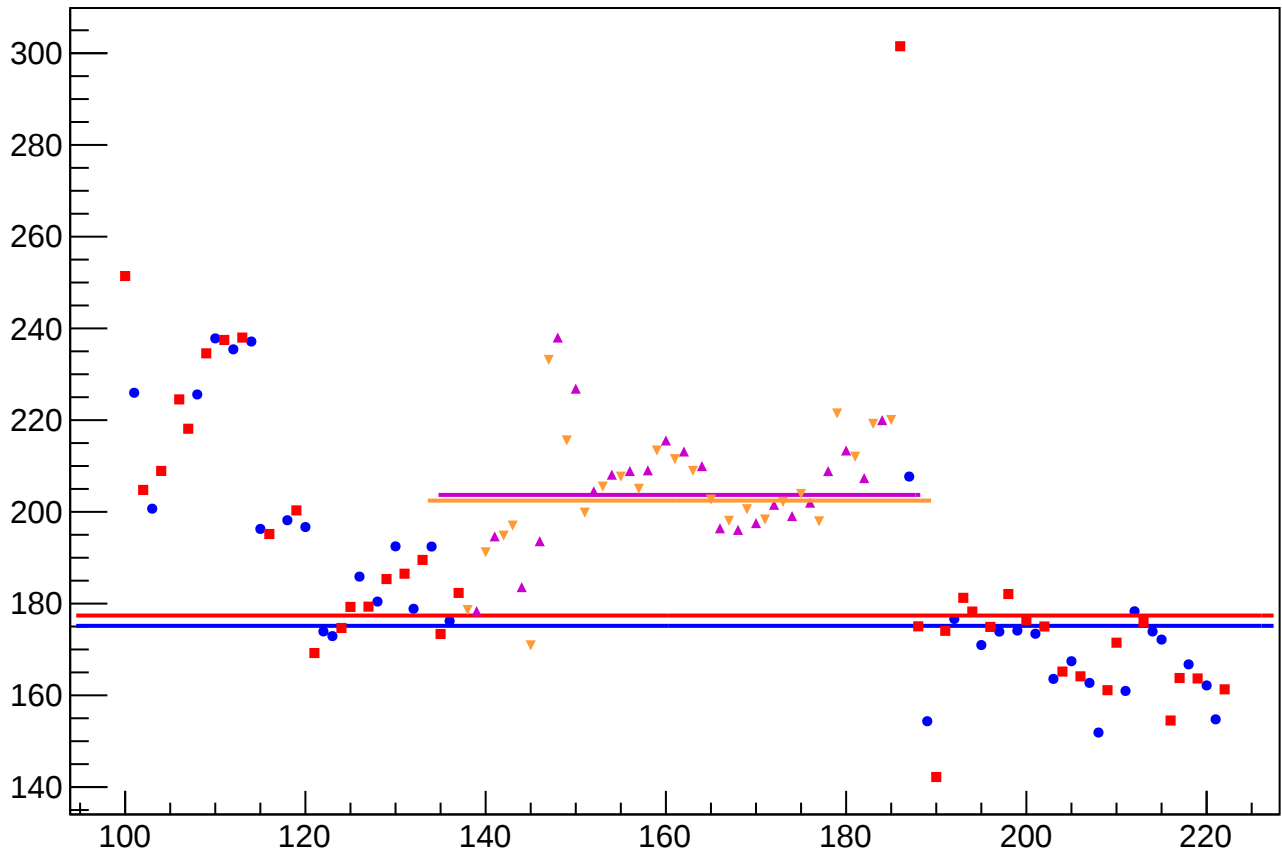
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -108.672 ± 30.497 χ^2/NDF : 91.6/59

All: -35.259 ± 21.660 χ^2/NDF : 189.0/120

- sign 39.463 ± 30.768 χ^2/NDF : 85.7/60

reg_asym_sam_26_dd_rms vs Slug



Right In: 175.149 $\pm$ 0.028 χ^2 /NDF: 395090.2/34

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 177.397 $\pm$ 0.028 χ^2 /NDF: 581420.0/37

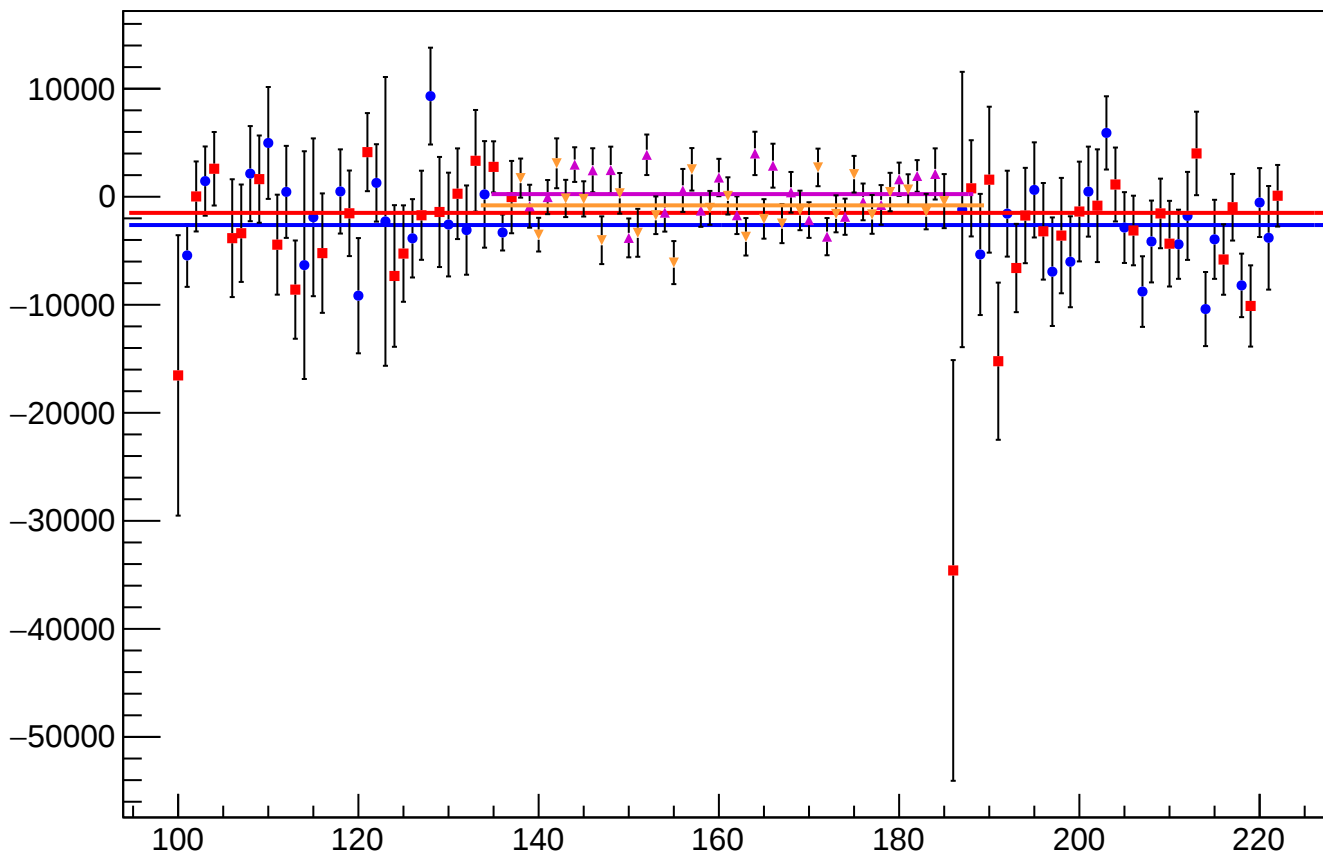
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 186.549 $\pm$ 0.022 χ^2 /NDF: 943683.5/59

All: 187.191 $\pm$ 0.015 χ^2 /NDF: 2013017.6/120

- sign 187.844 $\pm$ 0.022 χ^2 /NDF: 1067545.1/60

asym_sam_26_dd_correction_mean vs Slug



Right In: -2618.662 $\pm$ 642.049 χ^2/NDF : 40.1/34

Left Out: -796.528 $\pm$ 357.851 χ^2/NDF : 35.7/24

Right Out: -1492.456 $\pm$ 657.157 χ^2/NDF : 35.4/37

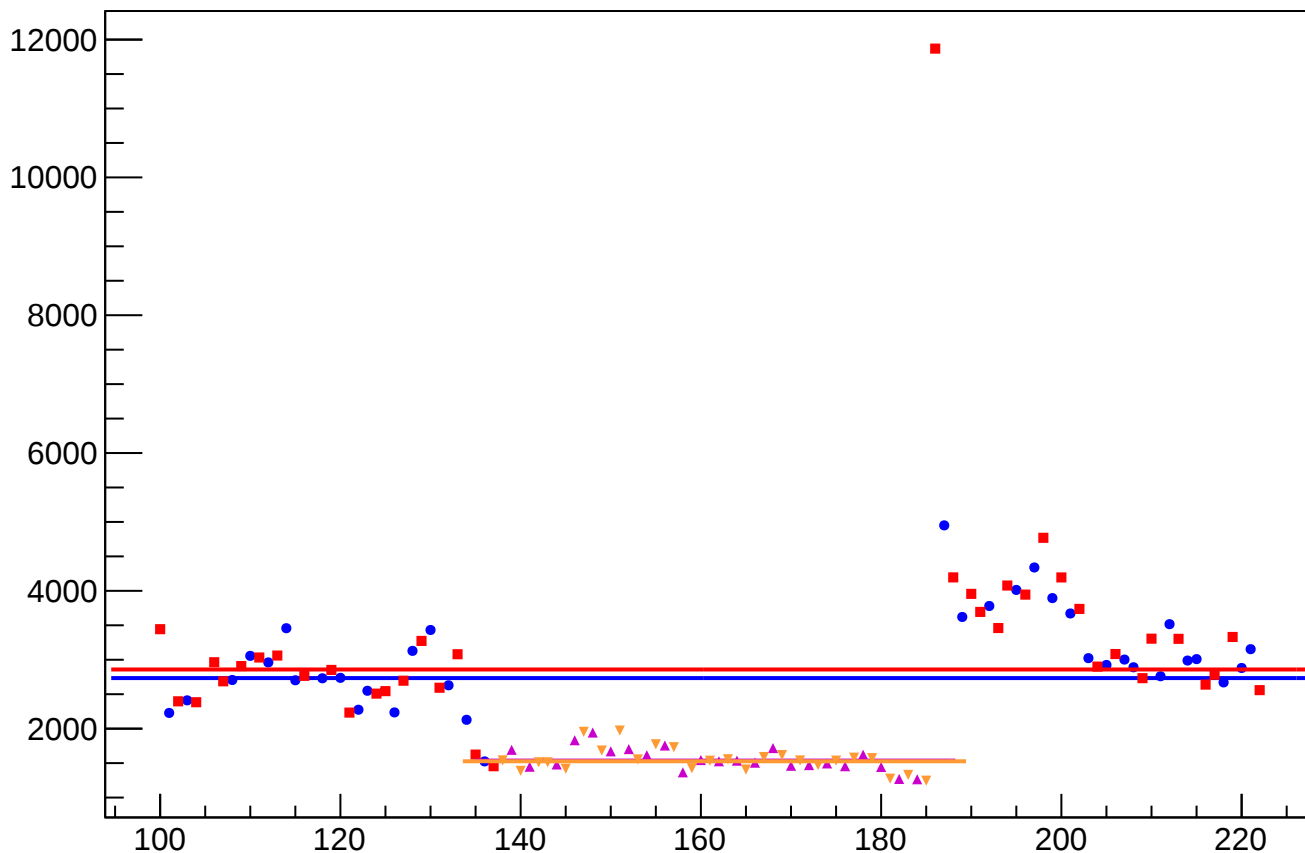
Left In: 245.102 $\pm$ 369.846 χ^2/NDF : 35.7/22

+ sign -1228.408 $\pm$ 312.579 χ^2/NDF : 82.0/59

All: -716.809 $\pm$ 224.387 χ^2/NDF : 163.9/120

- sign -172.866 $\pm$ 322.308 χ^2/NDF : 76.4/60

asym_sam_26_dd_correction_rms vs Slug



Right In: 2733.928+/-0.454 χ^2/NDF : 2347743.6/34

Left Out: 1526.712+/-0.253 χ^2/NDF : 394892.7/24

Right Out: 2858.719+/-0.465 χ^2/NDF : 2706269.4/37

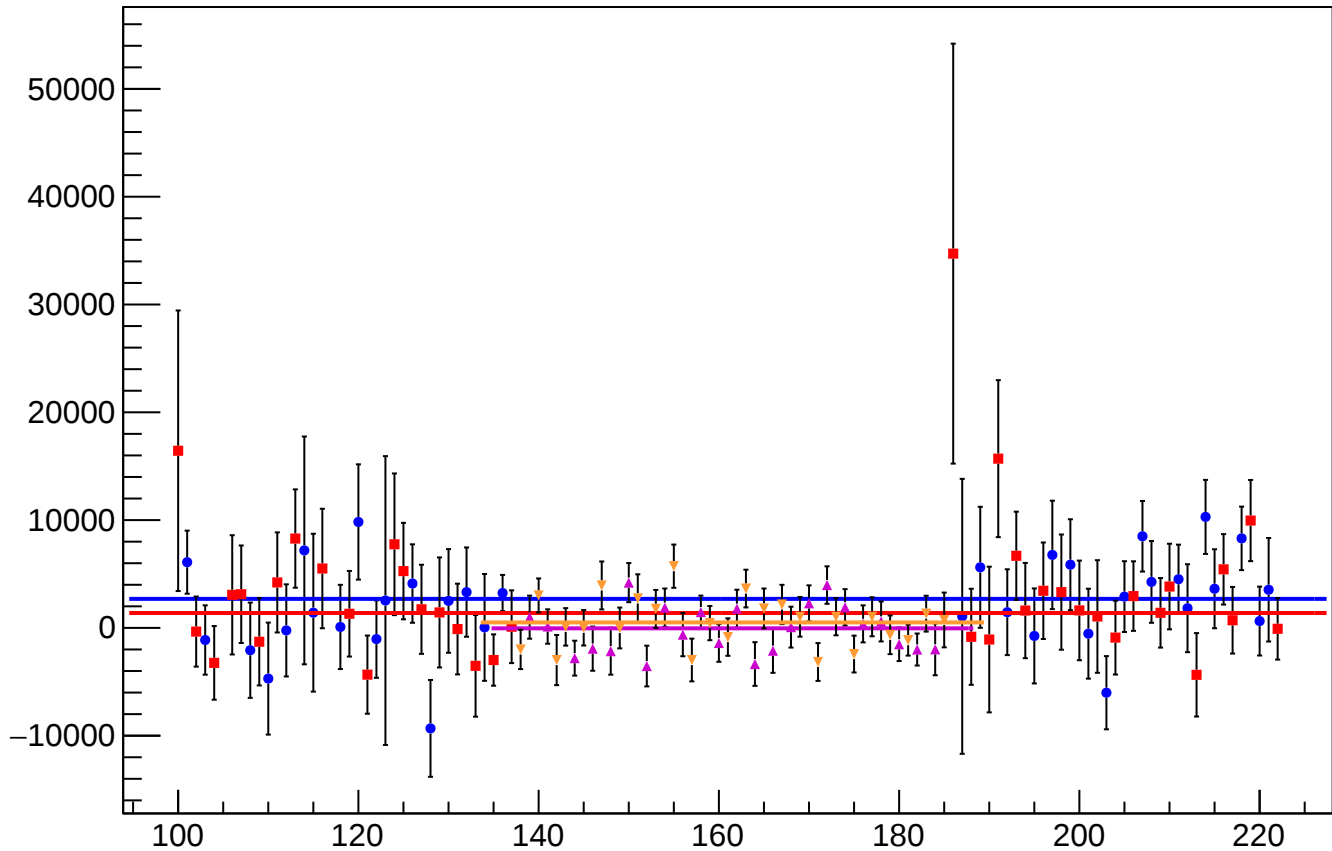
Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22

+ sign 1812.844+/-0.221 χ^2/NDF : 8137470.3/59

All: 1833.076+/-0.159 χ^2/NDF : 17359957.9/1

- sign 1854.587+/-0.228 χ^2/NDF : 9205200.2/60

asym_sam_26_dd_mean vs Slug



Right In: 2692.913 $\pm$ 643.927 χ^2 /NDF: 39.8/34

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 1381.769 $\pm$ 658.961 χ^2 /NDF: 35.7/37

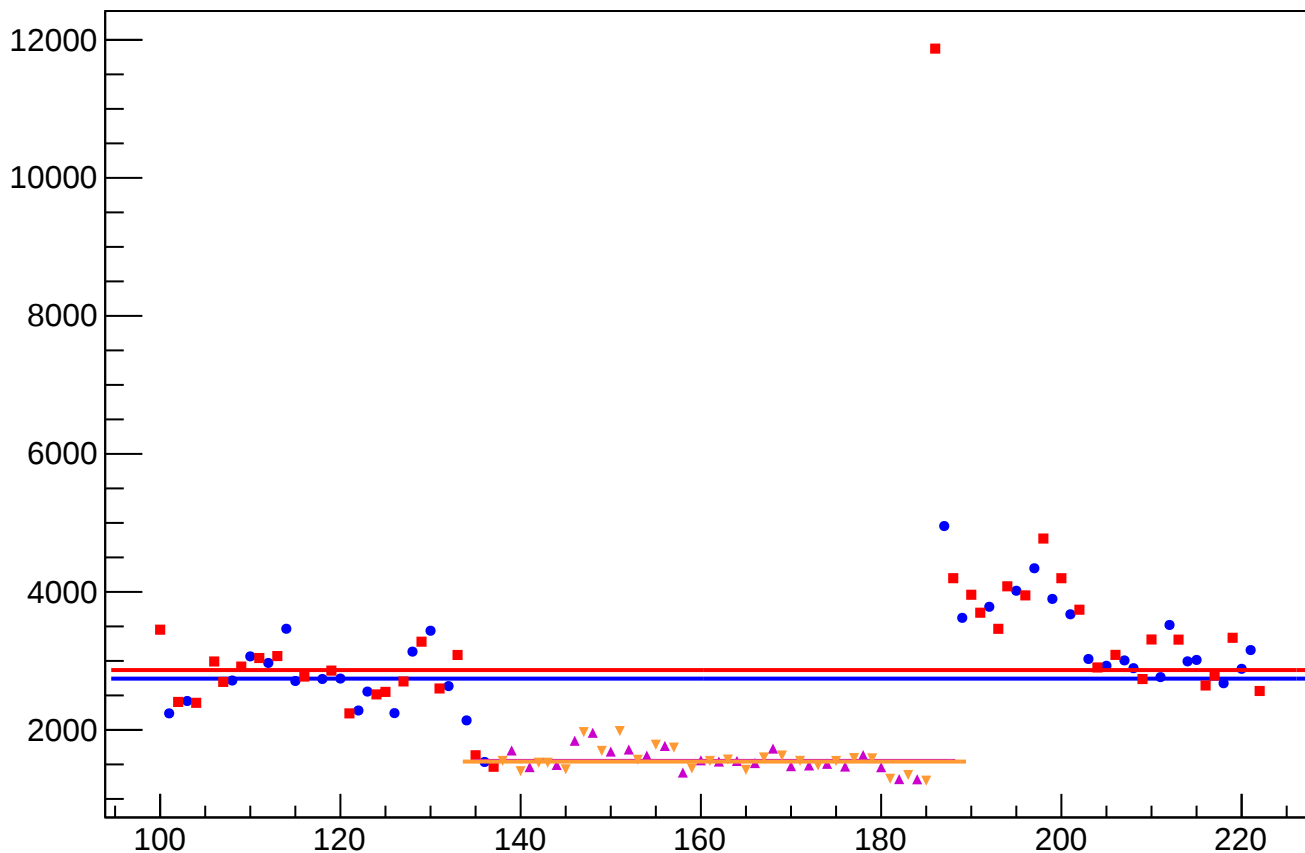
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 1030.860 $\pm$ 315.005 χ^2 /NDF: 83.9/59

All: 679.163 $\pm$ 226.118 χ^2 /NDF: 159.3/120

- sign 305.307 $\pm$ 324.777 χ^2 /NDF: 72.9/60

asym_sam_26_dd_rms vs Slug



Right In: 2743.278 $\pm$ 0.455 χ^2 /NDF: 2313983.2/34

Left Out: 1541.258 $\pm$ 0.255 χ^2 /NDF: 382045.4/24

Right Out: 2867.390 $\pm$ 0.466 χ^2 /NDF: 2680424.9/37

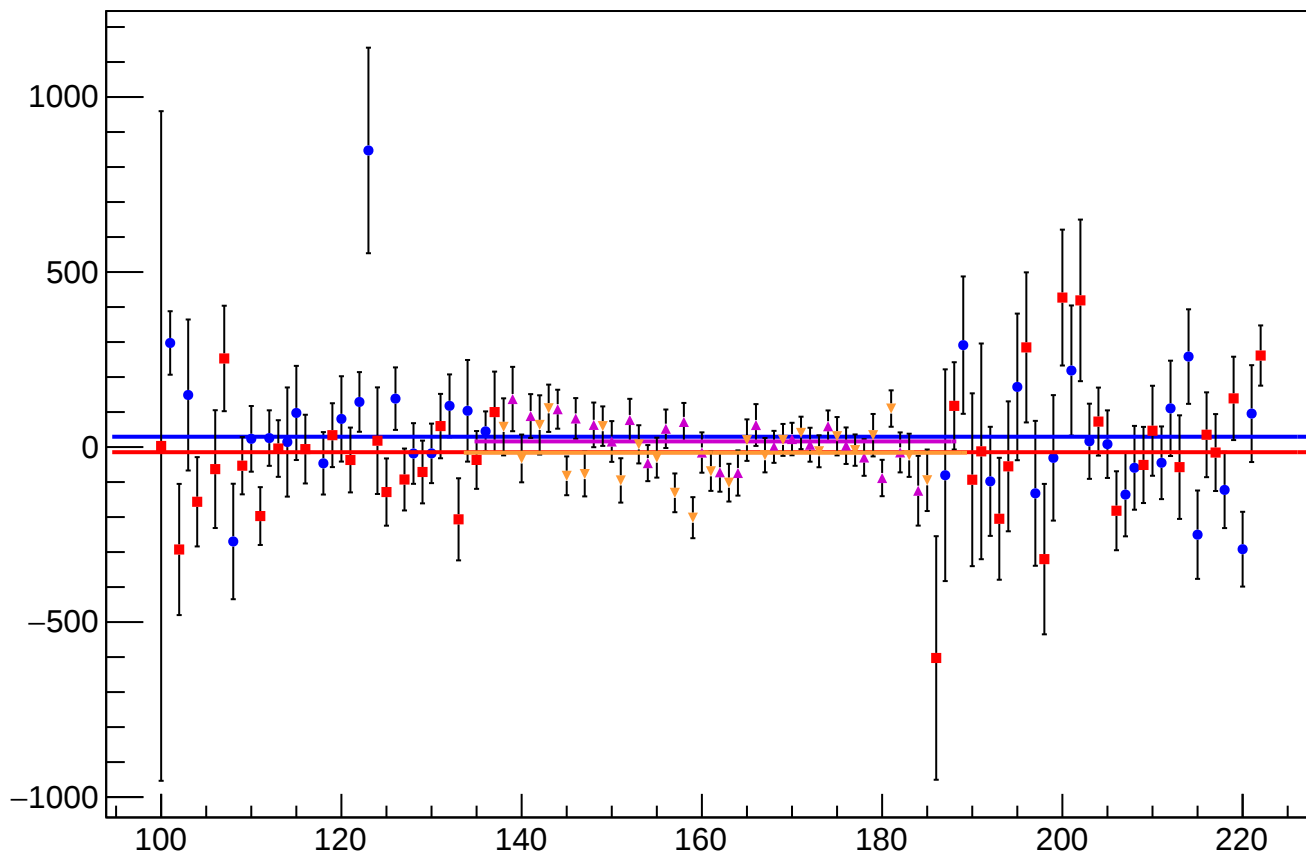
Left In: 1551.063 $\pm$ 0.264 χ^2 /NDF: 338898.9/22

+ sign 1828.915 $\pm$ 0.223 χ^2 /NDF: 7997388.1/59

All: 1849.226 $\pm$ 0.160 χ^2 /NDF: 17075901.7/100

- sign 1870.817 $\pm$ 0.230 χ^2 /NDF: 9061359.9/60

reg_asym_sam_37_dd_mean vs Slug



Right In: 29.507 ± 18.990 χ^2/NDF : 53.2/34

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -14.689 ± 19.043 χ^2/NDF : 52.7/37

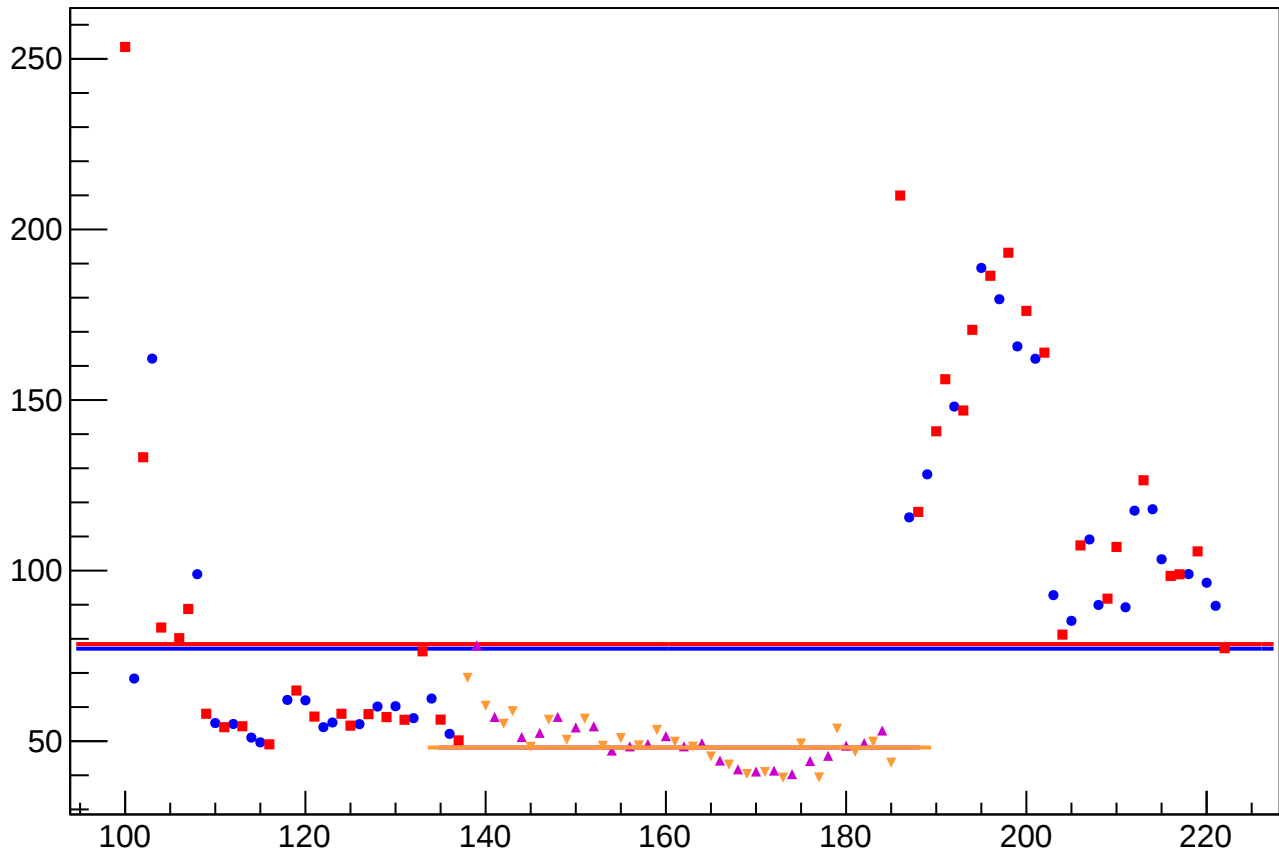
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -4.075 ± 9.736 χ^2/NDF : 97.1/59

All: 1.721 ± 6.955 χ^2/NDF : 177.7/120

- sign 7.760 ± 9.937 χ^2/NDF : 79.9/60

reg_asym_sam_37_dd_rms vs Slug



Right In: 77.117 ± 0.013 $\chi^2/\text{NDF}: 5201813.4/34$

Left Out: 48.141 ± 0.008 $\chi^2/\text{NDF}: 655250.3/24$

Right Out: 78.464 ± 0.013 $\chi^2/\text{NDF}: 5909717.9/37$

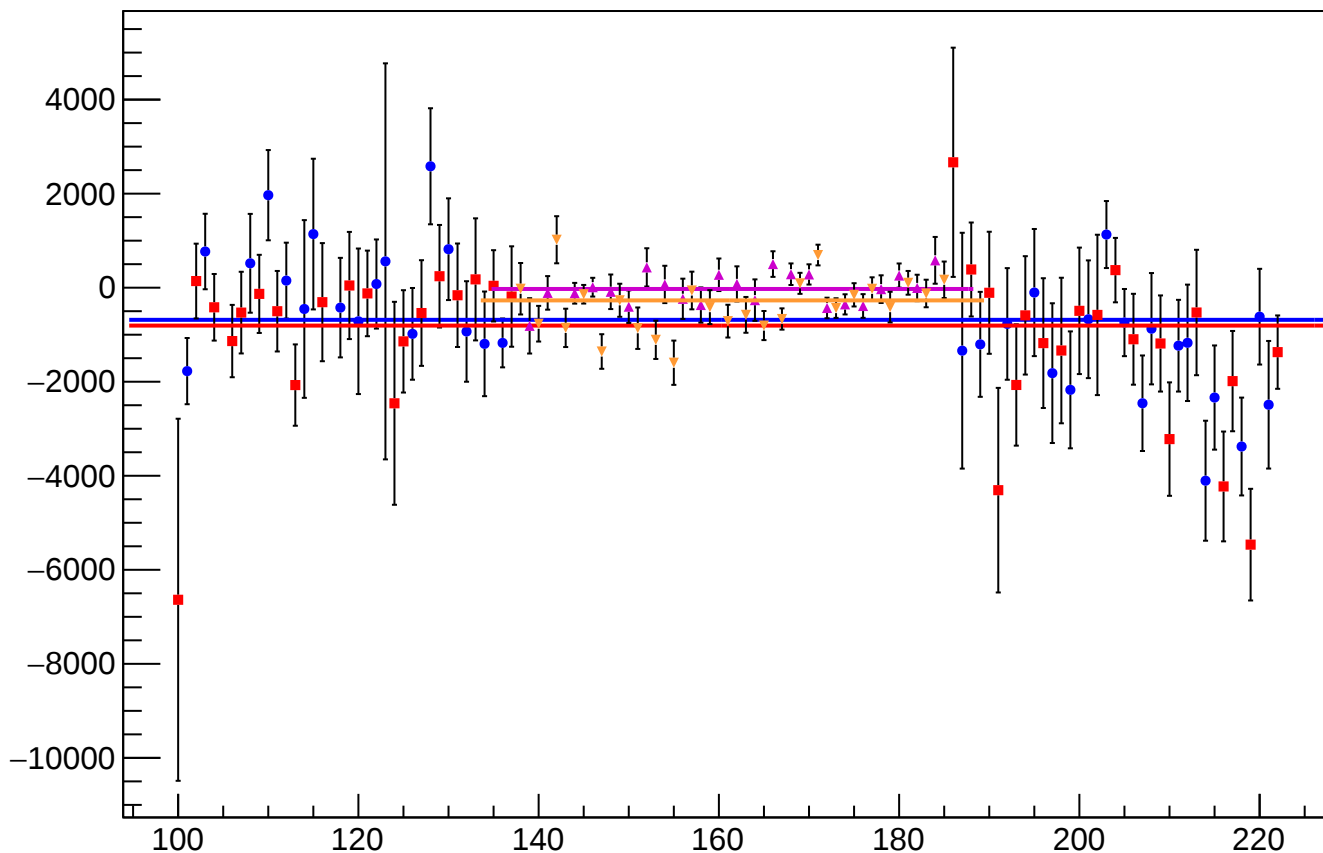
Left In: 48.139 ± 0.008 $\chi^2/\text{NDF}: 575025.5/22$

+ sign 55.757 ± 0.007 $\chi^2/\text{NDF}: 9289598.2/59$

All: 56.071 ± 0.005 $\chi^2/\text{NDF}: 19469324.9/120$

- sign 56.398 ± 0.007 $\chi^2/\text{NDF}: 10175489.7/60$

asym_sam_37_dd_correction_mean vs Slug



Right In: -683.650 ± 173.233 χ^2/NDF : 58.4/34

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -806.063 ± 170.098 χ^2/NDF : 53.2/37

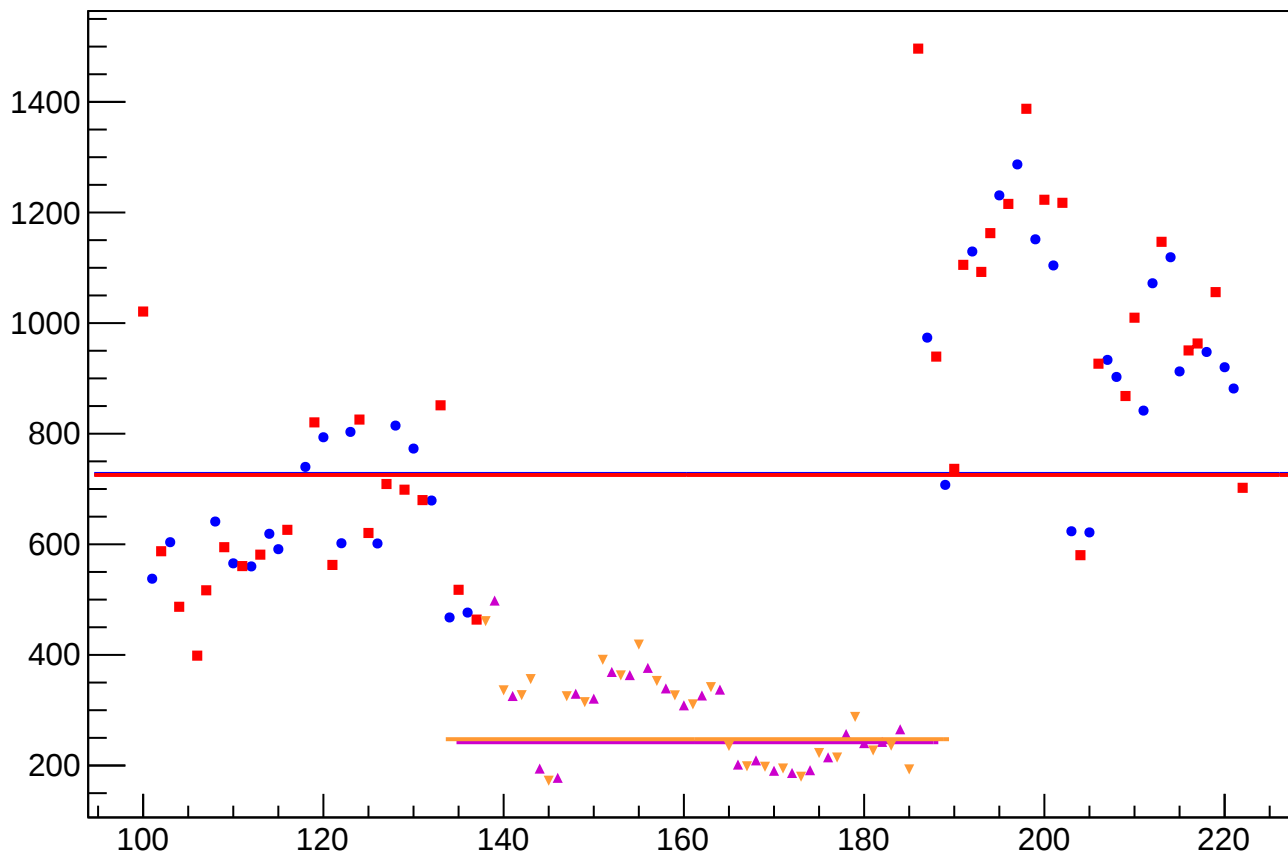
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -314.732 ± 56.845 χ^2/NDF : 133.6/59

All: -214.814 ± 40.230 χ^2/NDF : 236.7/120

- sign -114.550 ± 56.943 χ^2/NDF : 96.9/60

asym_sam_37_dd_correction_rms vs Slug



Right In: 727.218+/-0.122 χ^2/NDF : 3086181.1/34

Left Out: 247.570+/-0.043 χ^2/NDF : 2780931.0/24

Right Out: 725.425+/-0.120 χ^2/NDF : 4032442.5/37

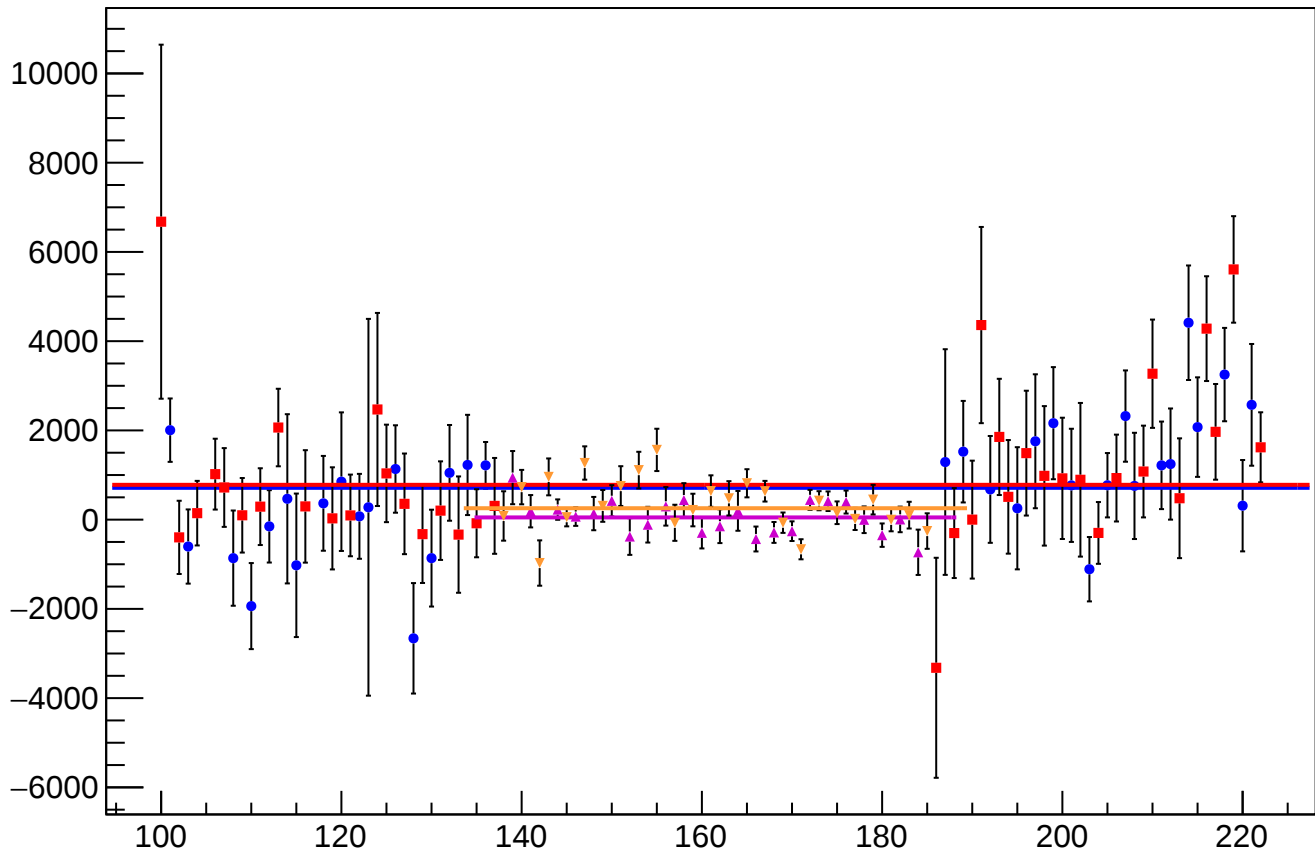
Left In: 242.117+/-0.043 χ^2/NDF : 2466108.9/22

+ sign 299.218+/-0.040 χ^2/NDF : 19548648.0/59

All: 297.752+/-0.028 χ^2/NDF : 40386881.9/12

- sign 296.281+/-0.040 χ^2/NDF : 20835569.2/60

asym_sam_37_dd_mean vs Slug



Right In: 713.419 ± 174.738 χ^2/NDF : 58.9/34

Left Out: 255.995 ± 61.418 χ^2/NDF : 63.6/24

Right Out: 780.441 ± 171.837 χ^2/NDF : 56.1/37

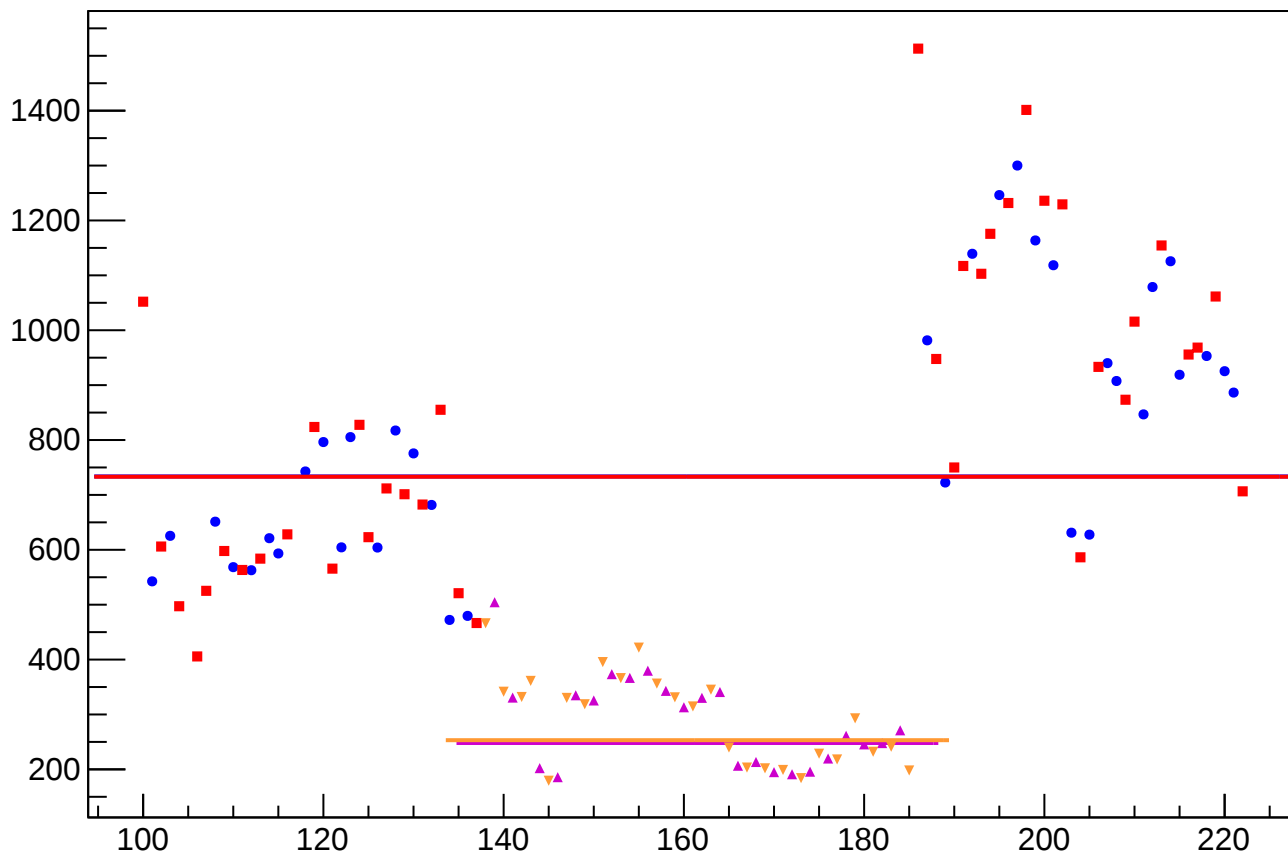
Left In: 49.832 ± 61.781 χ^2/NDF : 27.5/22

+ sign 306.293 ± 57.943 χ^2/NDF : 128.6/59

All: 220.167 ± 41.041 χ^2/NDF : 232.7/120

- sign 133.463 ± 58.138 χ^2/NDF : 99.6/60

asym_sam_37_dd_rms vs Slug



Right In: 733.666 $\pm$ 0.124 χ^2 /NDF: 3078151.0/34

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF:2665975.8/24

Right Out: 733.124 $\pm$ 0.122 χ^2 /NDF: 3987106.1/37

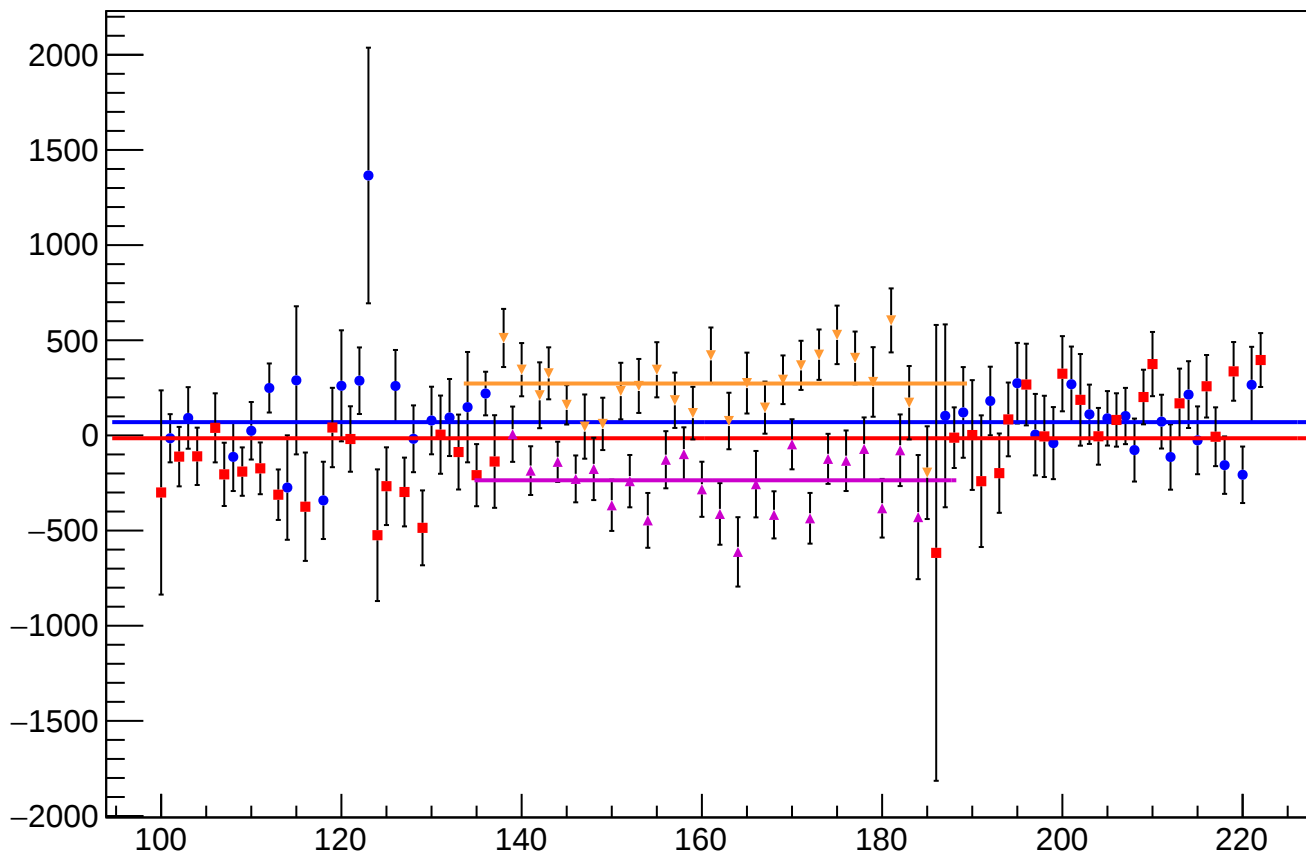
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF:2343295.0/22

+ sign 305.975 $\pm$ 0.041 χ^2 /NDF: 19205946.5/59

All: 304.788 $\pm$ 0.029 χ^2 /NDF: 39649837.5/12

- sign 303.592 $\pm$ 0.041 χ^2 /NDF: 20442204.1/60

reg_asym_sam_48_dd_mean vs Slug



Right In: 69.756 ± 29.937 $\chi^2/\text{NDF}: 30.8/34$

Left Out: 272.684 ± 29.221 $\chi^2/\text{NDF}: 27.4/24$

Right Out: -14.914 ± 29.277 $\chi^2/\text{NDF}: 58.6/37$

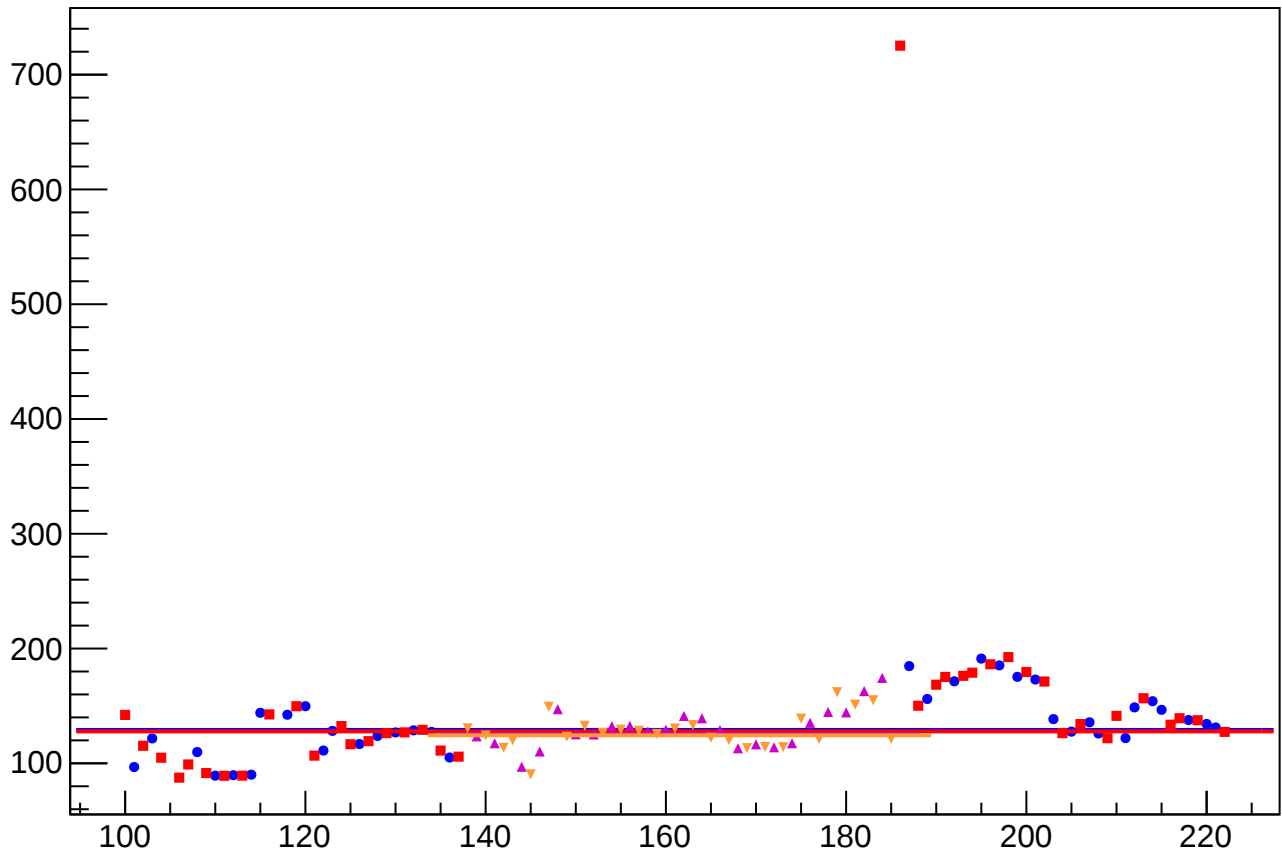
Left In: -235.801 ± 30.232 $\chi^2/\text{NDF}: 24.6/22$

+ sign 173.674 ± 20.911 $\chi^2/\text{NDF}: 81.8/59$

All: 26.778 ± 14.829 $\chi^2/\text{NDF}: 291.8/120$

- sign -121.814 ± 21.031 $\chi^2/\text{NDF}: 110.8/60$

reg_asym_sam_48_dd_rms vs Slug



Right In: 129.083+/-0.021 χ^2/NDF : 1469168.2/34

Left Out: 124.429+/-0.021 χ^2/NDF : 539731.8/24

Right Out: 127.823+/-0.021 χ^2/NDF : 2307936.8/37

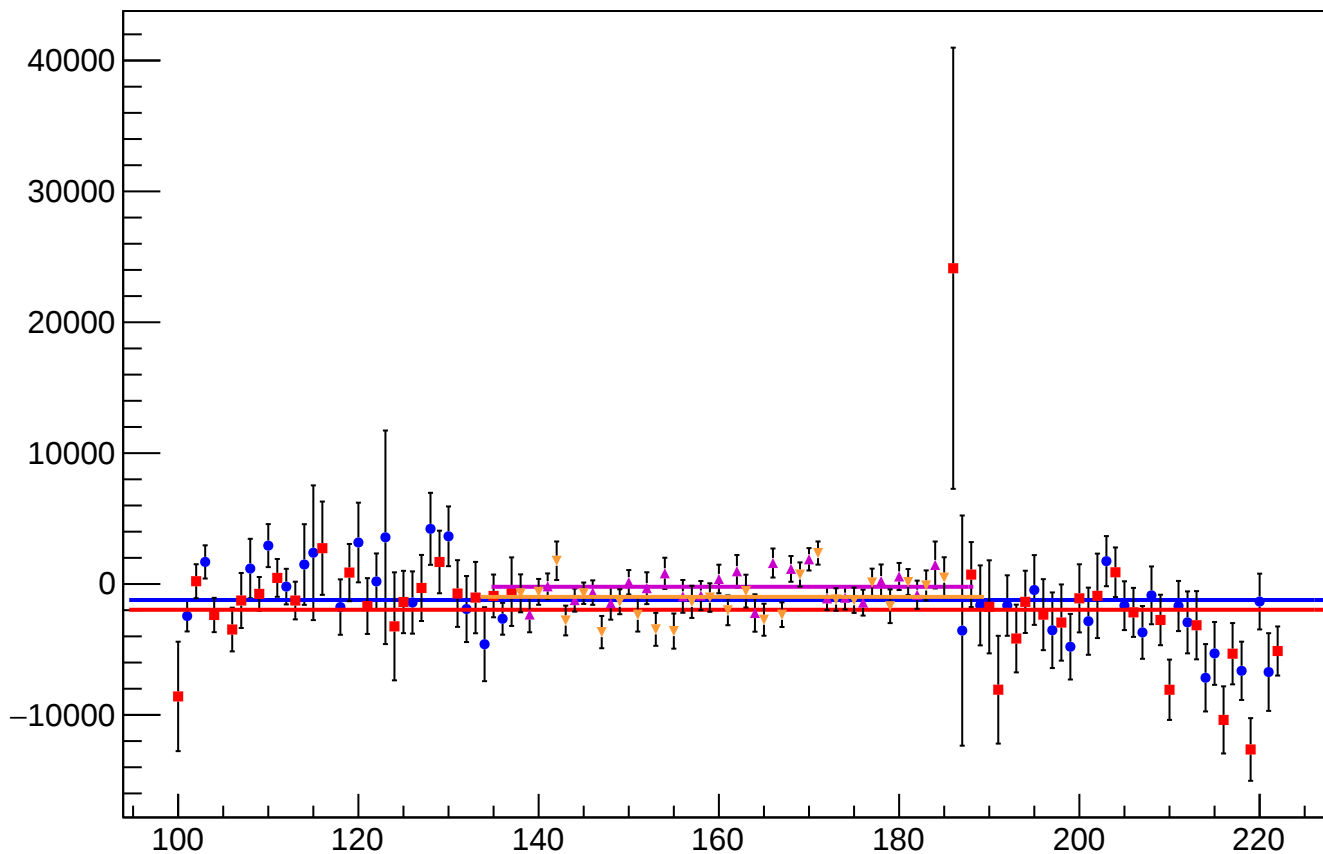
Left In: 125.205+/-0.021 χ^2/NDF : 501388.2/22

+ sign 126.700+/-0.015 χ^2/NDF : 2033658.7/59

All: 126.628+/-0.010 χ^2/NDF : 4850770.7/120

- sign 126.556+/-0.015 χ^2/NDF : 2817065.2/60

asym_sam_48_dd_correction_mean vs Slug



Right In: -1220.935 ± 357.799 χ^2/NDF : 55.4/34

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1967.638 ± 345.993 χ^2/NDF : 69.9/37

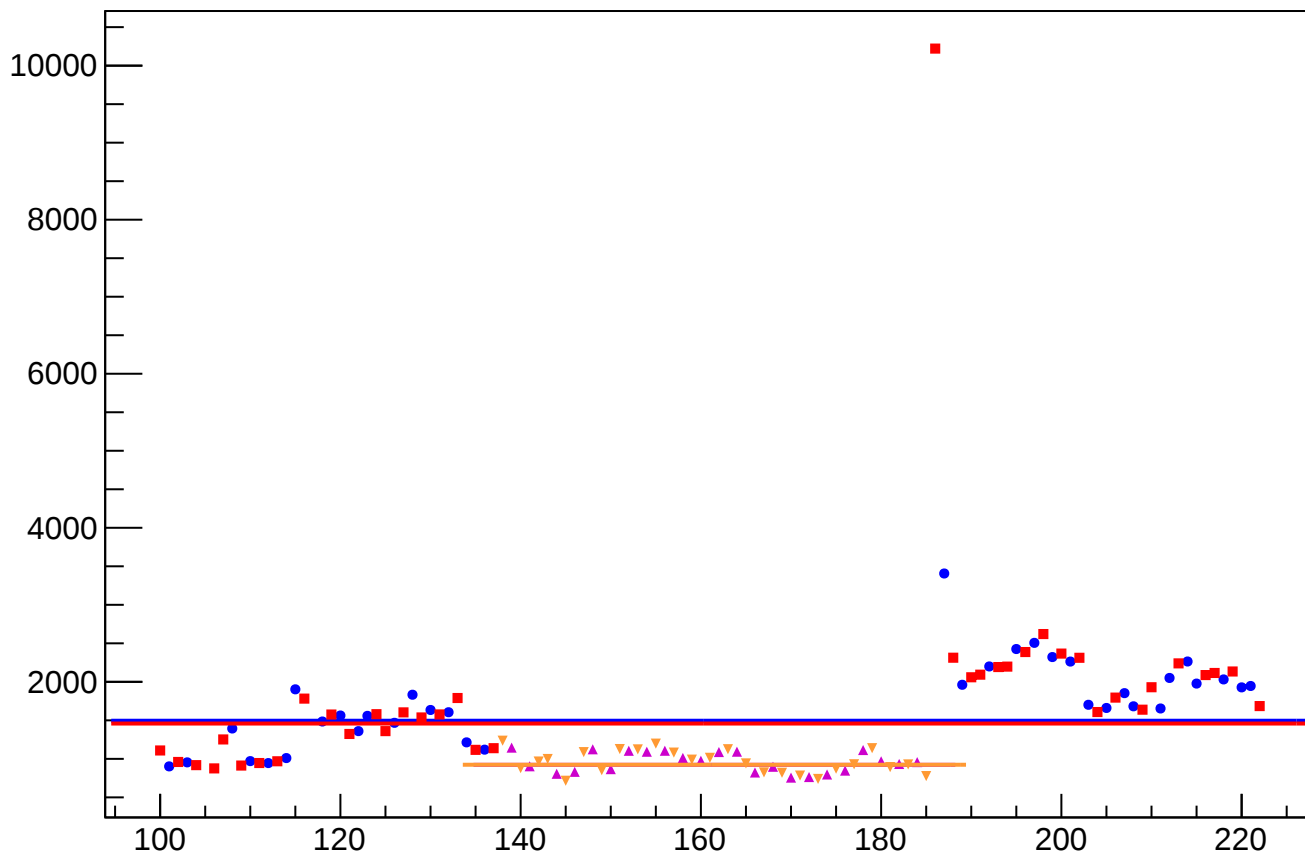
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -1047.306 ± 186.180 χ^2/NDF : 102.9/59

All: -888.792 ± 132.154 χ^2/NDF : 218.1/120

- sign -727.821 ± 187.617 χ^2/NDF : 113.7/60

asym_sam_48_dd_correction_rms vs Slug



Right In: 1494.861 $\pm$ 0.253 χ^2 /NDF: 3683140.6/34

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

Right Out: 1458.541 $\pm$ 0.245 χ^2 /NDF: 4944981.0/37

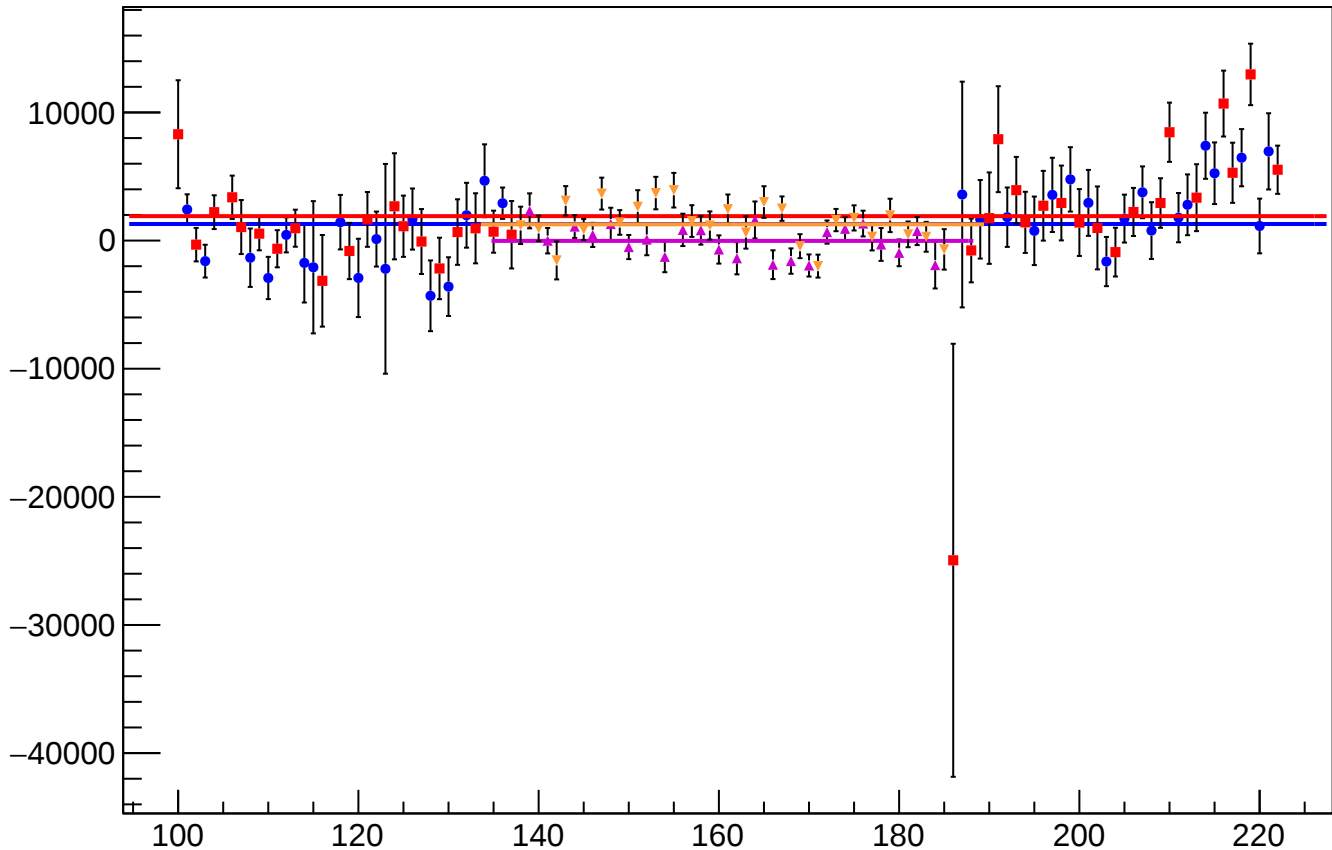
Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

+ sign 1078.266 $\pm$ 0.132 χ^2 /NDF: 8243920.0/59

All: 1079.096 $\pm$ 0.093 χ^2 /NDF: 17215921.0/100

- sign 1079.938 $\pm$ 0.133 χ^2 /NDF: 8971920.9/60

asym_sam_48_dd_mean vs Slug



Right In: 1294.096 $\pm$ 359.253 χ^2 /NDF: 54.8/34

Left Out: 1267.344 $\pm$ 220.133 χ^2 /NDF:44.9/24

Right Out: 1907.390 $\pm$ 347.546 χ^2 /NDF: 75.5/37

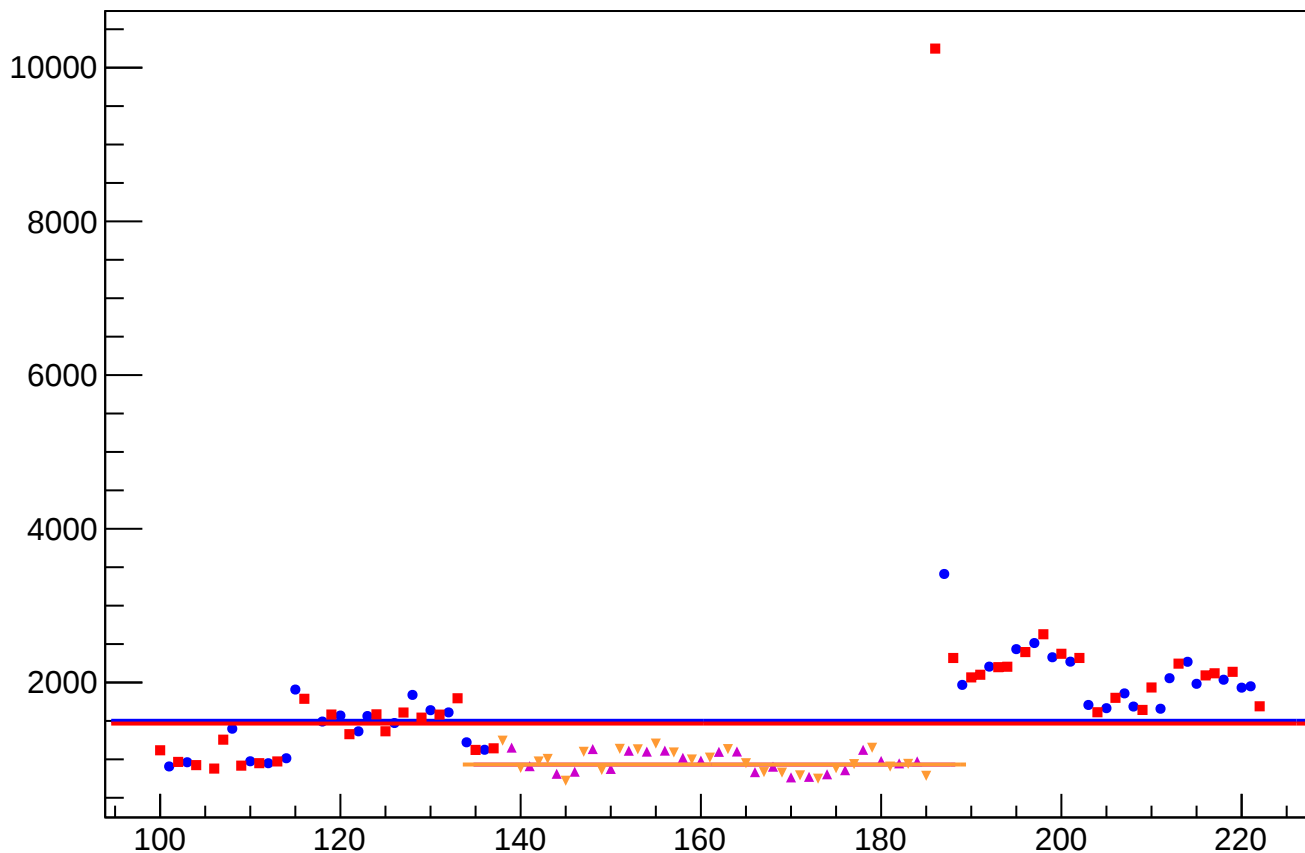
Left In: -23.478 $\pm$ 225.490 χ^2 /NDF:27.2/22

+ sign 1274.646 $\pm$ 187.698 χ^2 /NDF: 99.8/59

All: 914.413 $\pm$ 133.238 χ^2 /NDF: 231.6/120

- sign 548.533 $\pm$ 189.164 χ^2 /NDF: 124.4/60

asym_sam_48_dd_rms vs Slug



Right In: 1501.533+/-0.254 χ^2/NDF : 3656939.2/34

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1465.612+/-0.246 χ^2/NDF : 4912395.7/37

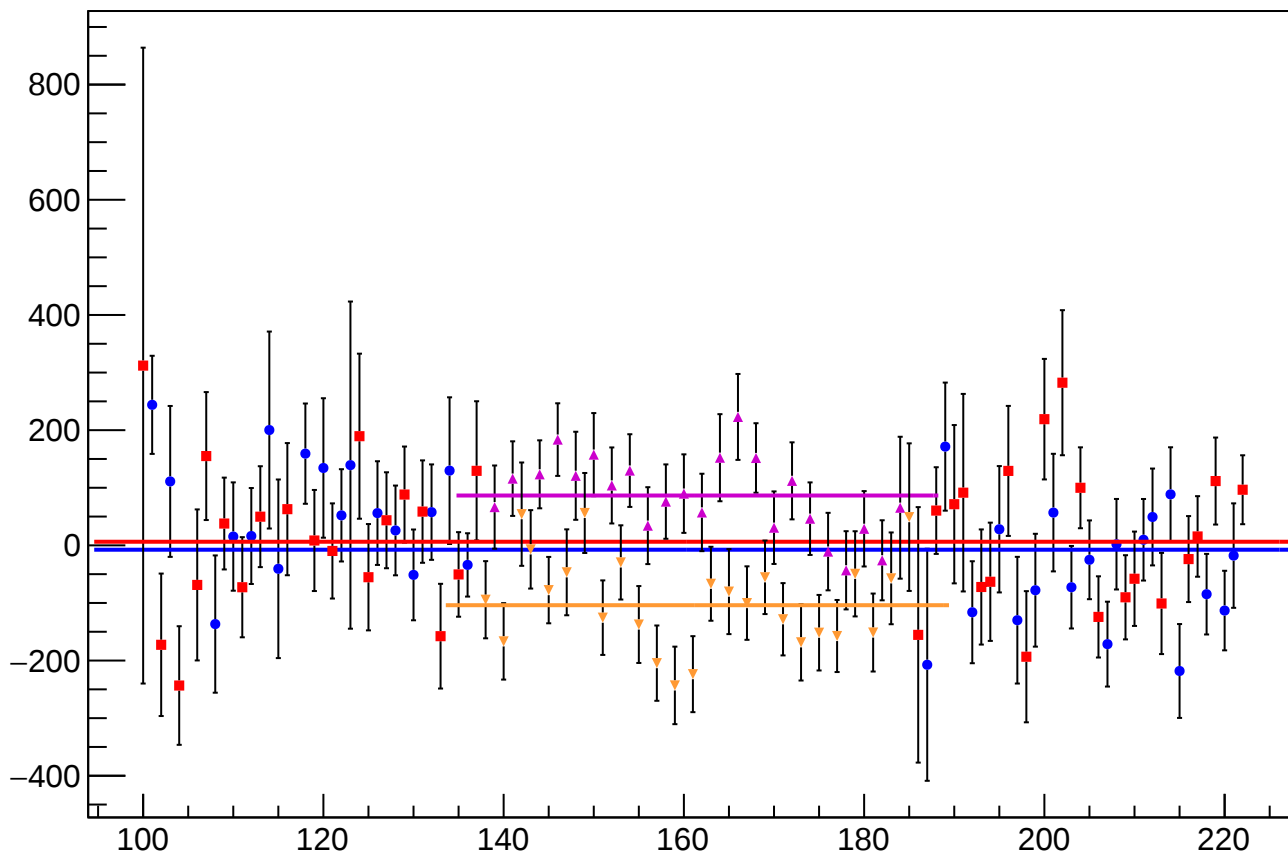
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1088.023+/-0.133 χ^2/NDF : 8131345.3/59

All: 1088.866+/-0.094 χ^2/NDF : 16992575.3/100

- sign 1089.723+/-0.134 χ^2/NDF : 8861148.6/60

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -7.568 ± 14.930 $\chi^2/\text{NDF}: 46.6/34$

Left Out: -103.899 ± 13.642 $\chi^2/\text{NDF}: 30.0/24$

Right Out: 6.290 ± 14.862 $\chi^2/\text{NDF}: 49.6/37$

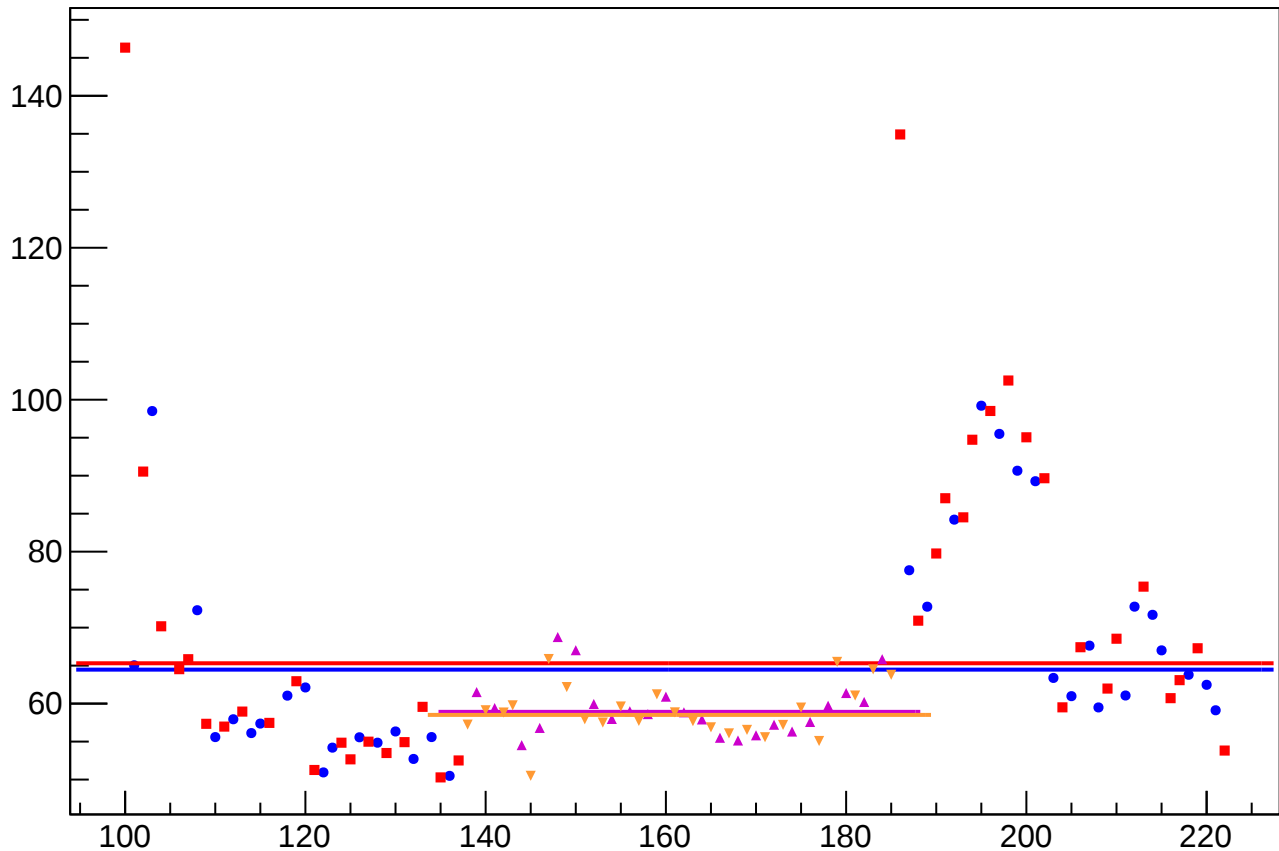
Left In: 86.542 ± 14.120 $\chi^2/\text{NDF}: 21.4/22$

+ sign -60.068 ± 10.071 $\chi^2/\text{NDF}: 99.2/59$

All: -6.683 ± 7.179 $\chi^2/\text{NDF}: 242.7/120$

- sign 48.469 ± 10.237 $\chi^2/\text{NDF}: 86.3/60$

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.471 $\pm$ 0.011 χ^2 /NDF: 1304553.2/34

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 65.308 $\pm$ 0.011 χ^2 /NDF: 1766333.0/37

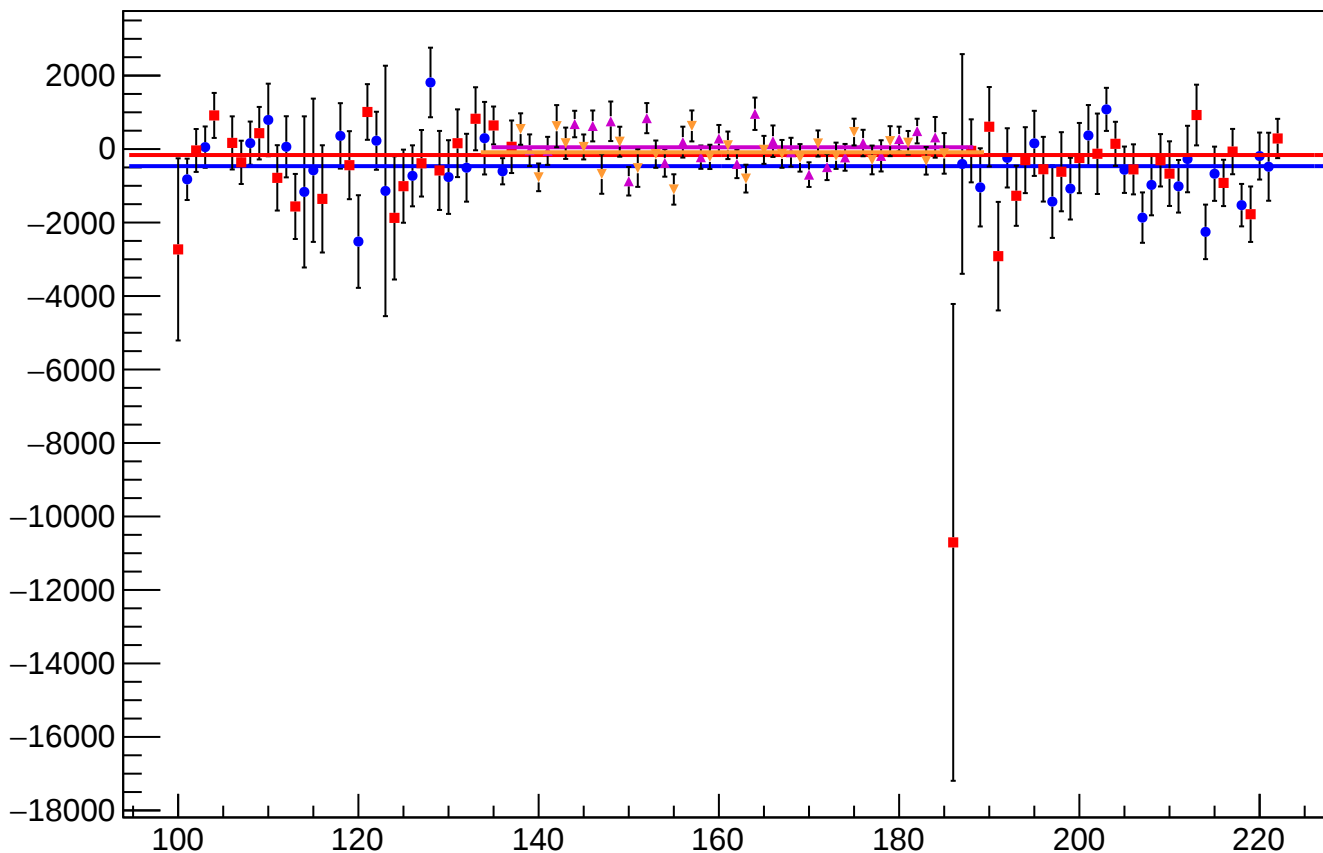
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 61.224 $\pm$ 0.007 χ^2 /NDF: 1601326.8/59

All: 61.580 $\pm$ 0.005 χ^2 /NDF: 3677339.8/120

- sign 61.947 $\pm$ 0.007 χ^2 /NDF: 2070934.3/60

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -465.122 ± 129.579 χ^2/NDF : 40.5/34

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -162.681 ± 129.408 χ^2/NDF : 35.6/37

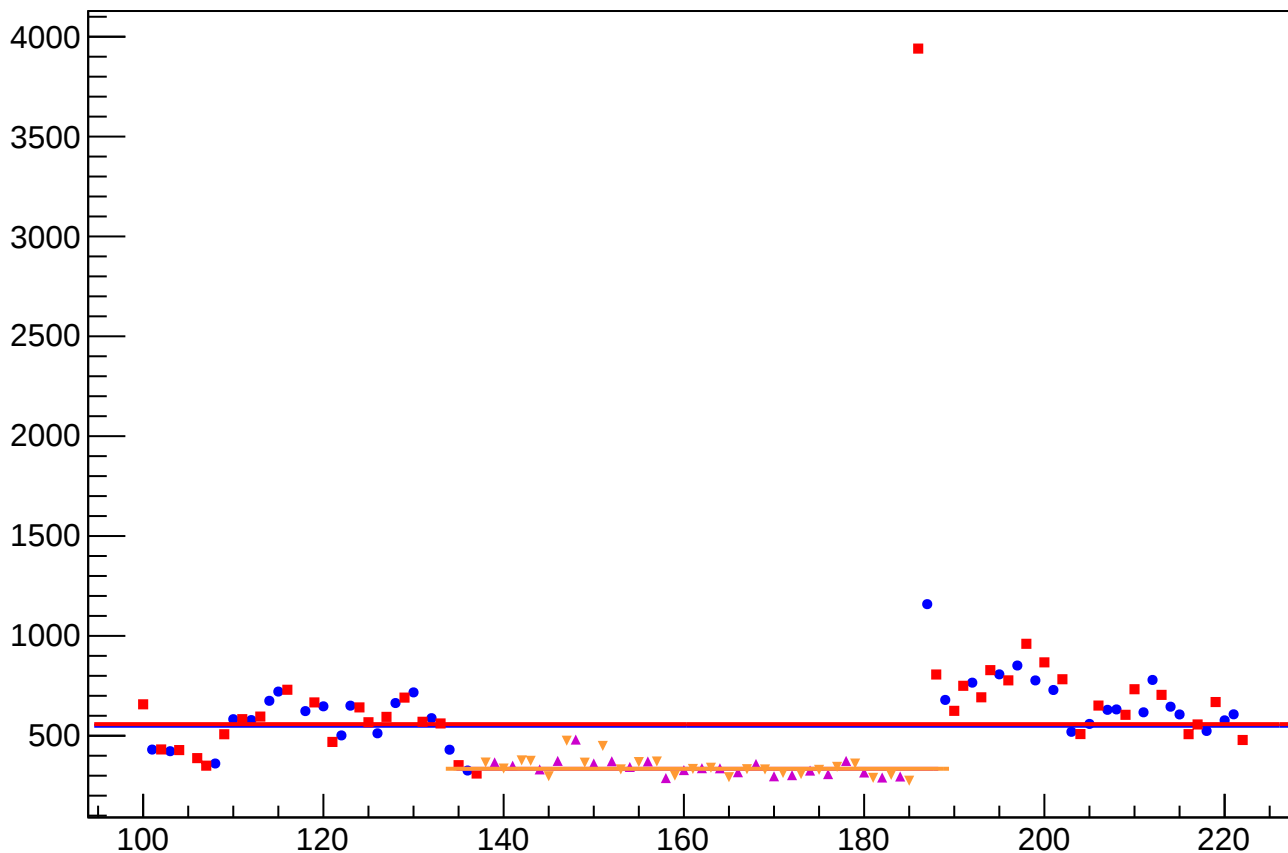
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -188.958 ± 67.176 χ^2/NDF : 74.5/59

All: -101.217 ± 47.922 χ^2/NDF : 150.9/120

- sign -10.296 ± 68.383 χ^2/NDF : 72.9/60

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 550.093 $\pm$ 0.092 χ^2 /NDF: 2484606.2/34

Left Out: 334.749 $\pm$ 0.056 χ^2 /NDF: 491370.4/24

Right Out: 558.182 $\pm$ 0.092 χ^2 /NDF: 3228845.0/37

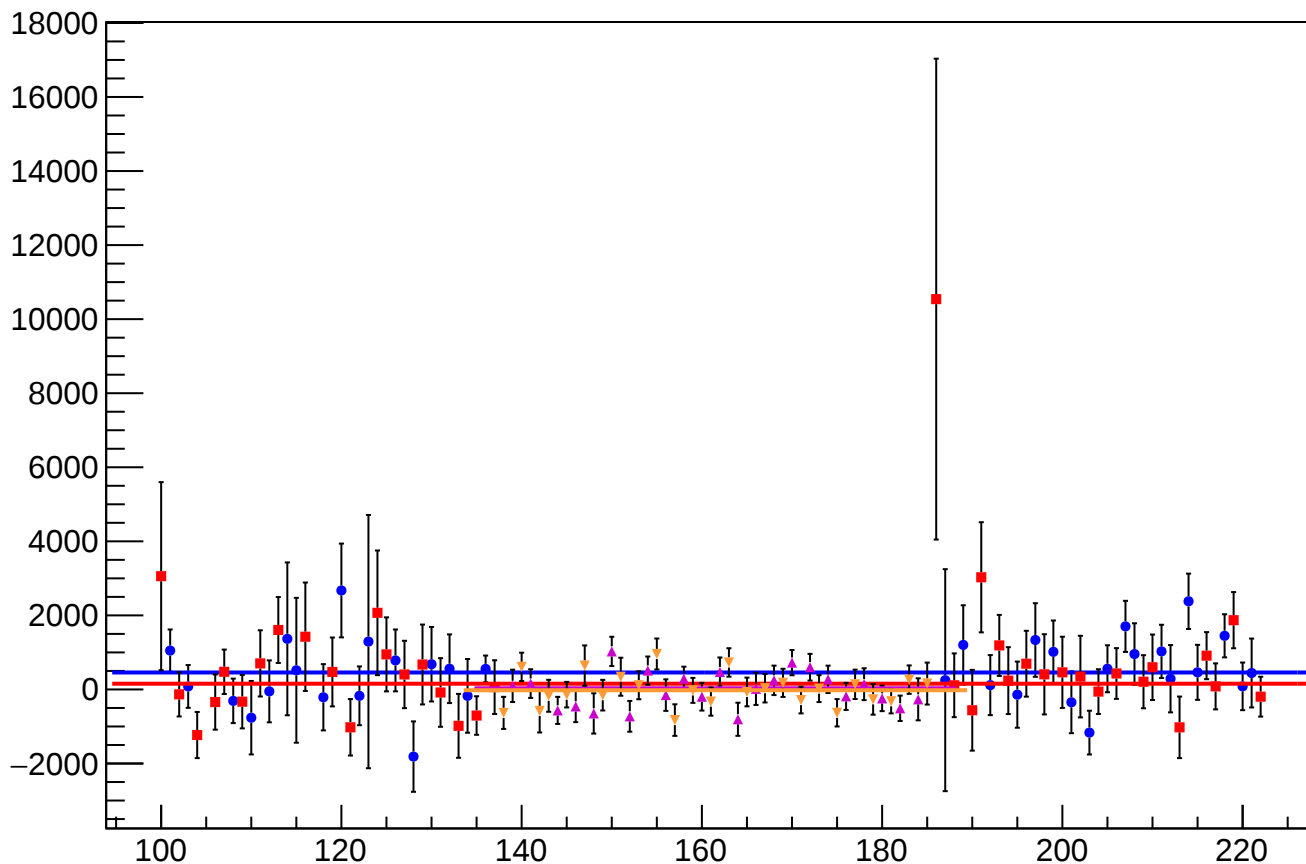
Left In: 334.147 $\pm$ 0.057 χ^2 /NDF: 397200.6/22

+ sign 392.624 $\pm$ 0.048 χ^2 /NDF: 7015127.9/59

All: 394.628 $\pm$ 0.034 χ^2 /NDF: 14965288.2/12

- sign 396.706 $\pm$ 0.048 χ^2 /NDF: 7946532.7/60

asym_sam_13_57_dd_mean vs Slug



Right In: 458.143 $\pm$ 130.755 χ^2 /NDF: 40.9/34

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 155.067 $\pm$ 130.623 χ^2 /NDF: 39.1/37

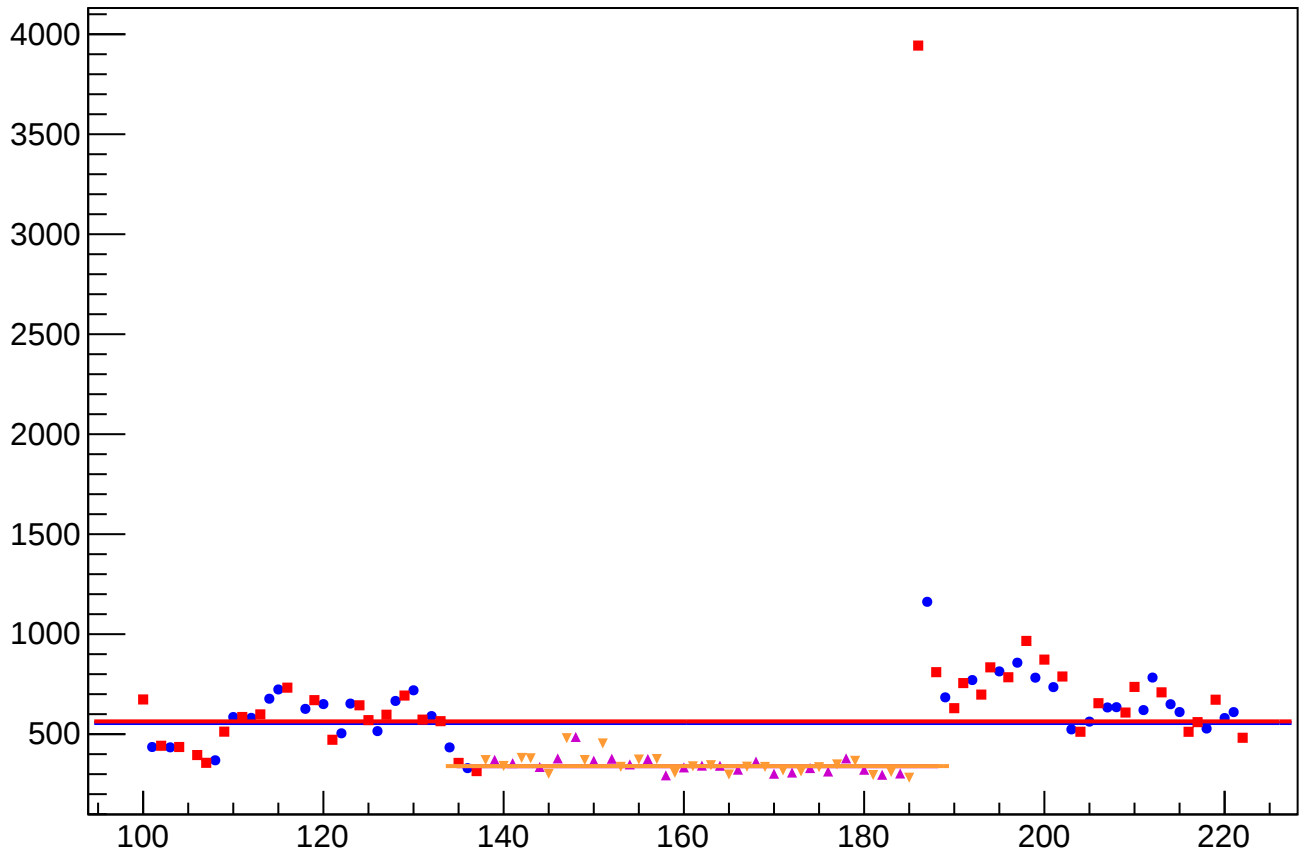
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 109.137 $\pm$ 68.124 χ^2 /NDF: 77.9/59

All: 88.223 $\pm$ 48.599 χ^2 /NDF: 151.9/120

- sign 66.548 $\pm$ 69.352 χ^2 /NDF: 73.8/60

asym_sam_13_57_dd_rms vs Slug



Right In: 555.660 $\pm$ 0.092 χ^2 /NDF: 2414793.4/34

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 563.913 $\pm$ 0.092 χ^2 /NDF: 3159000.8/37

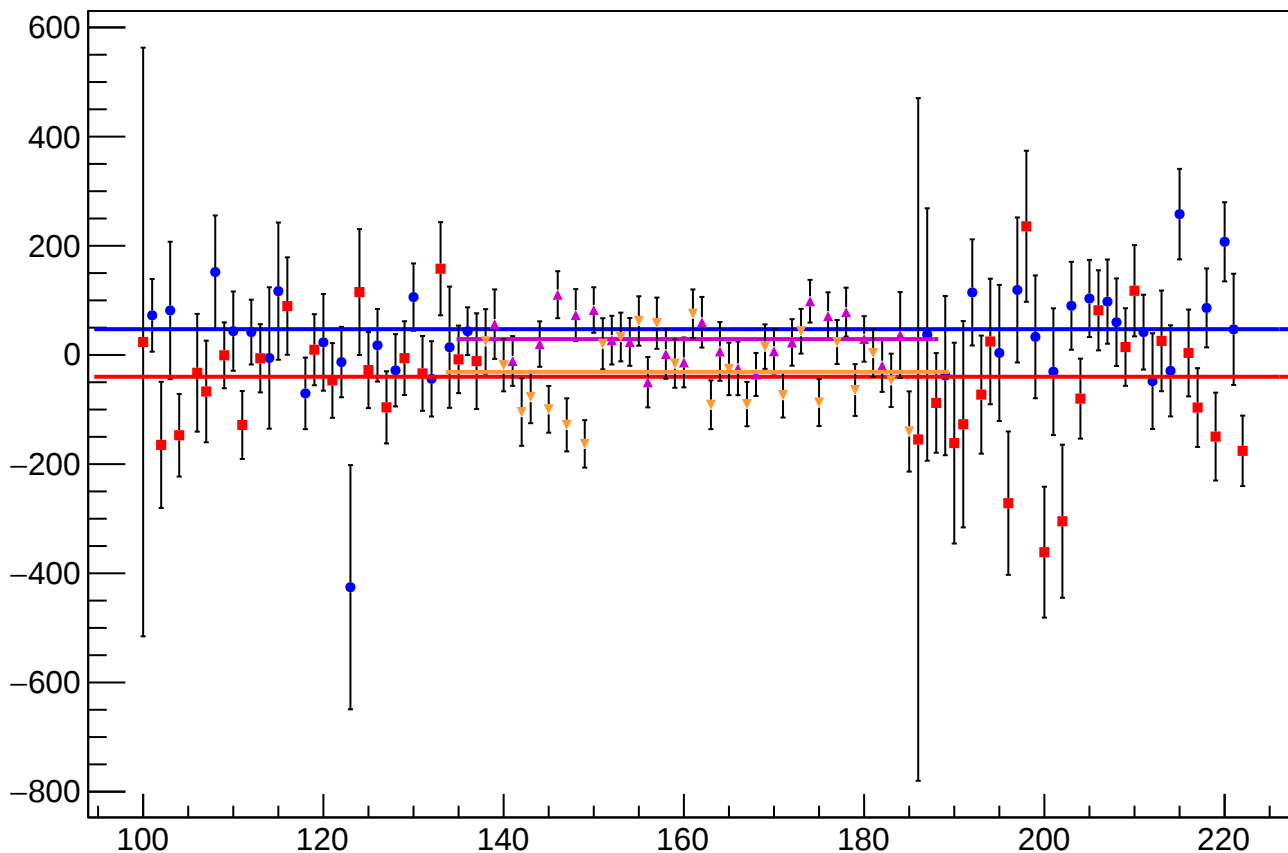
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 398.713 $\pm$ 0.048 χ^2 /NDF: 6838775.2/59

All: 400.743 $\pm$ 0.034 χ^2 /NDF: 14615777.8/12

- sign 402.846 $\pm$ 0.049 χ^2 /NDF: 7773387.0/60

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 47.241 ± 13.653 χ^2/NDF : 31.3/34

Left Out: -31.063 ± 9.170 χ^2/NDF : 52.6/24

Right Out: -39.913 ± 13.563 χ^2/NDF : 51.4/37

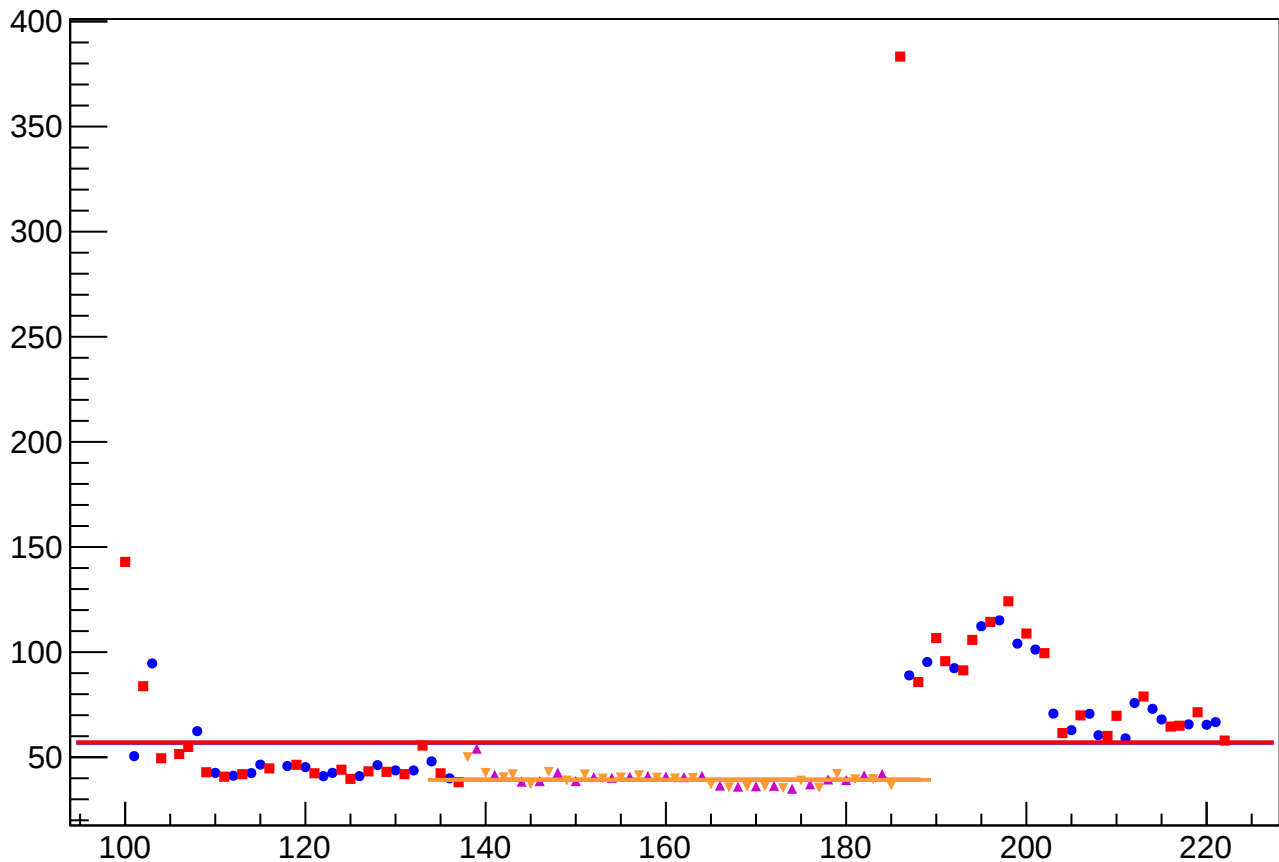
Left In: 29.055 ± 9.449 χ^2/NDF : 22.4/22

+ sign -6.721 ± 7.612 χ^2/NDF : 106.6/59

All: -0.224 ± 5.432 χ^2/NDF : 199.3/120

- sign 6.517 ± 7.753 χ^2/NDF : 91.2/60

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 56.916 $\pm$ 0.010 χ^2 /NDF: 3611138.6/34

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 57.049 $\pm$ 0.010 χ^2 /NDF: 4635191.6/37

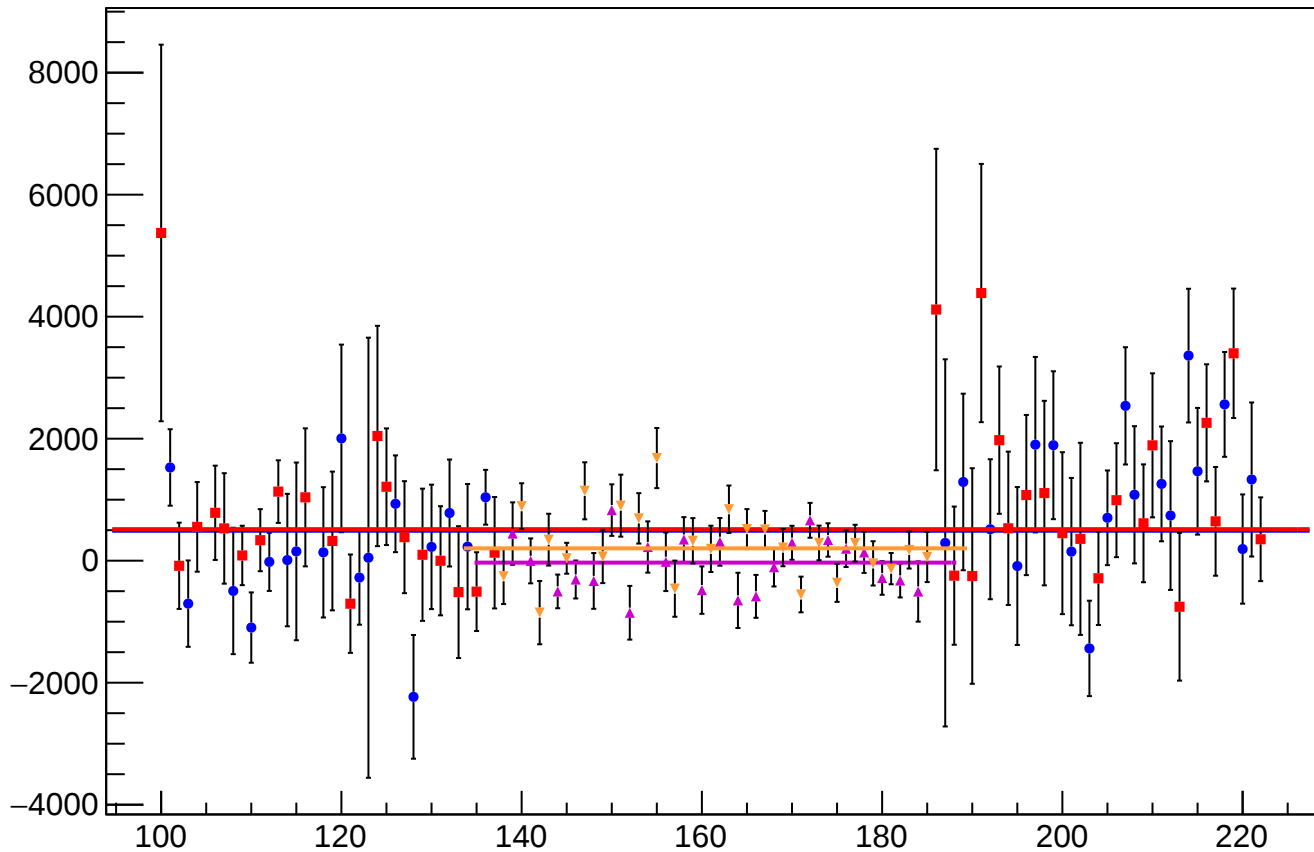
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 44.732 $\pm$ 0.005 χ^2 /NDF: 6124765.3/59

All: 44.925 $\pm$ 0.004 χ^2 /NDF: 13274148.5/120

- sign 45.126 $\pm$ 0.005 χ^2 /NDF: 7146747.1/60

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 491.350 ± 151.210 χ^2/NDF : 55.5/34

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 516.816 ± 146.775 χ^2/NDF : 35.8/37

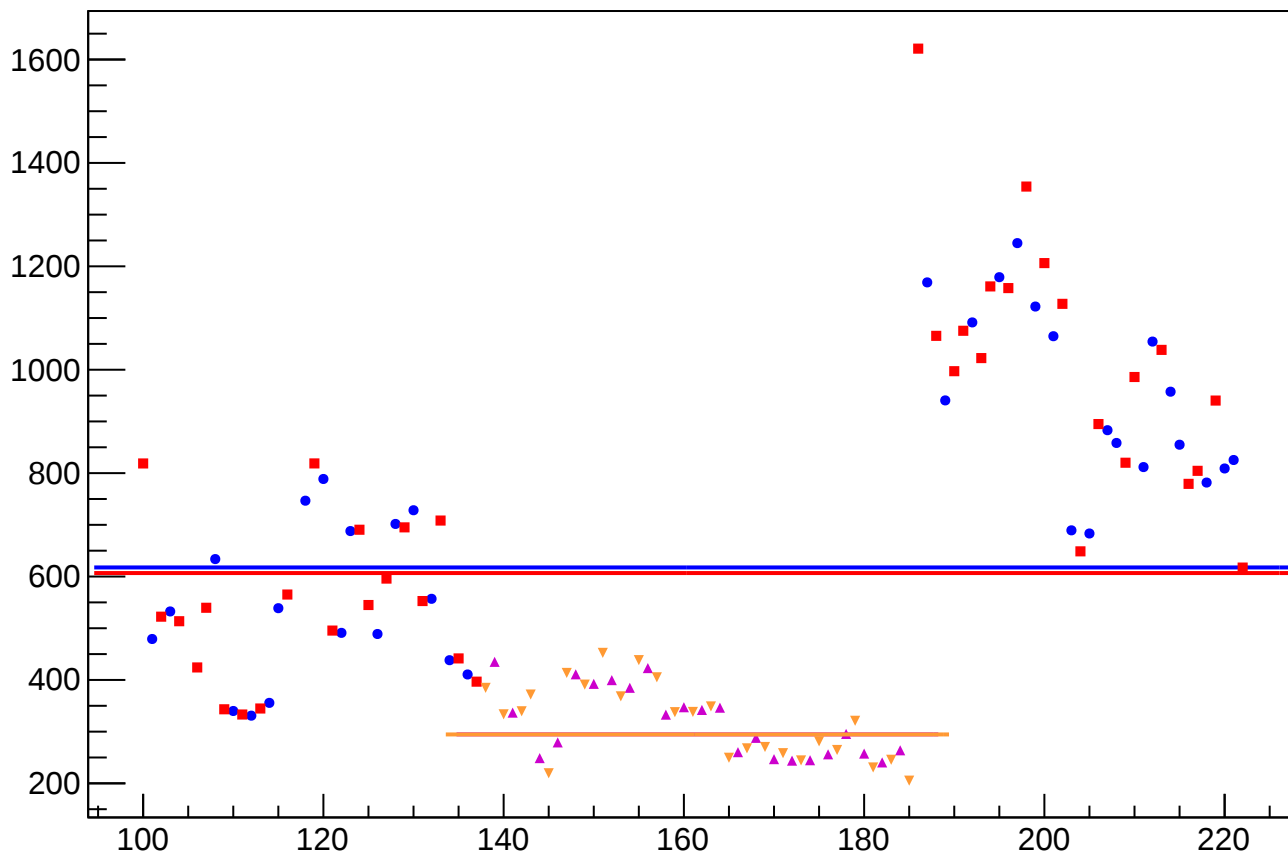
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 253.882 ± 63.841 χ^2/NDF : 103.3/59

All: 165.680 ± 45.448 χ^2/NDF : 187.6/120

- sign -75.051 ± 64.714 χ^2/NDF : 80.4/60

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 617.594 $\pm$ 0.107 χ^2 /NDF: 5148450.6/34

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF:1680474.5/24

Right Out: 606.743 $\pm$ 0.104 χ^2 /NDF: 6306699.1/37

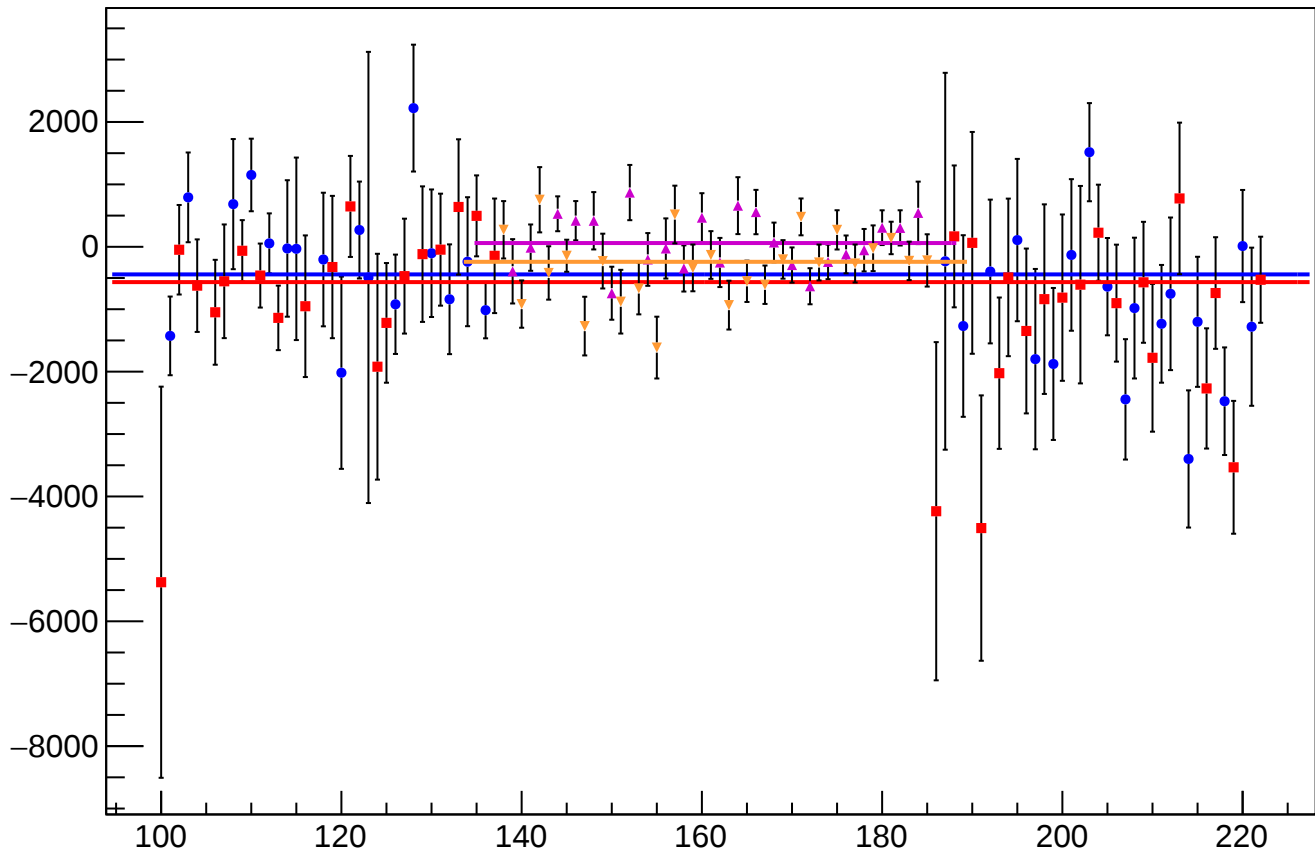
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF:1297310.3/22

+ sign 352.168 $\pm$ 0.045 χ^2 /NDF: 14328213.4/59

All: 353.751 $\pm$ 0.032 χ^2 /NDF: 29216116.2/12

- sign 355.378 $\pm$ 0.046 χ^2 /NDF: 14885410.3/60

asym_sam_15_37_dd_mean vs Slug



Right In: -442.104 ± 152.022 χ^2/NDF : 54.9/34

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -565.593 ± 148.001 χ^2/NDF : 35.7/37

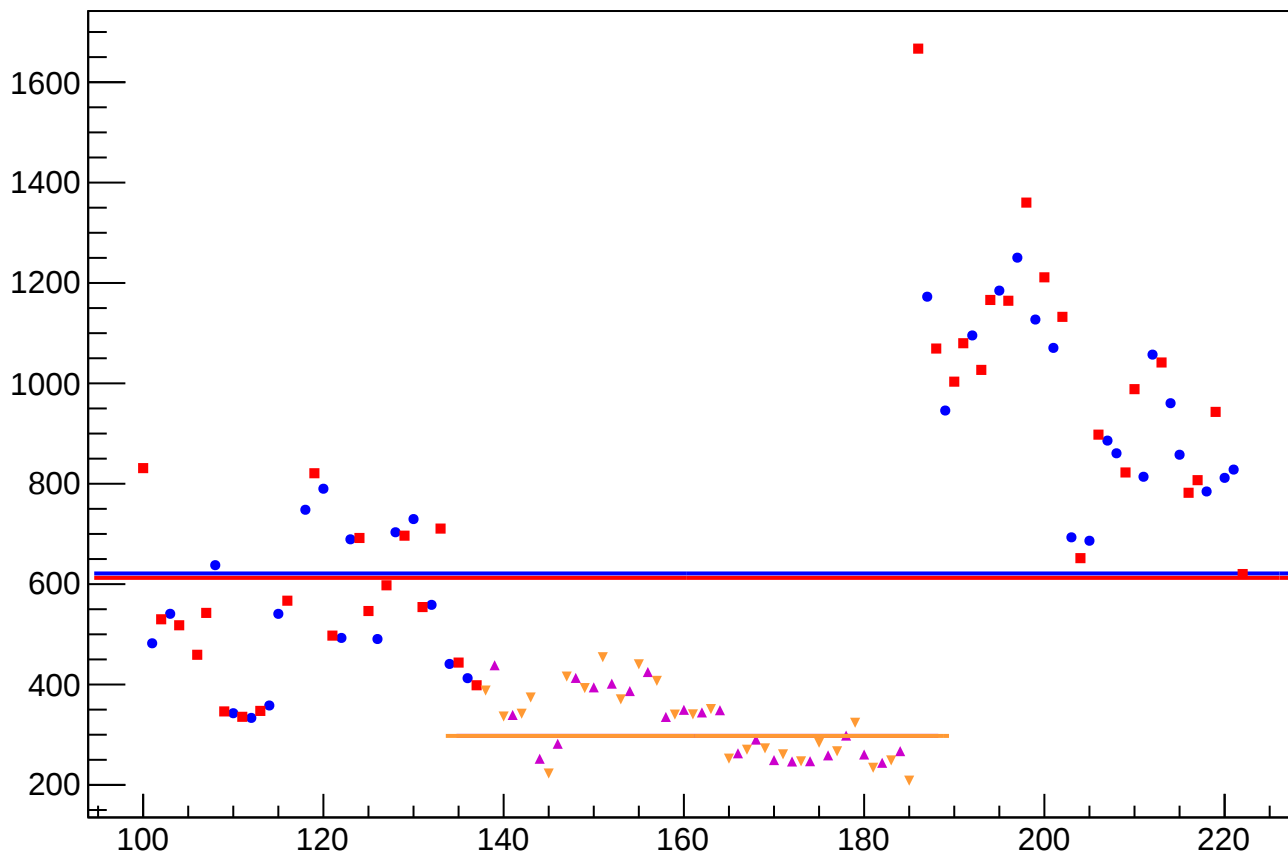
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -276.567 ± 64.405 χ^2/NDF : 99.3/59

All: -170.584 ± 45.860 χ^2/NDF : 185.8/120

- sign -61.580 ± 65.316 χ^2/NDF : 81.0/60

asym_sam_15_37_dd_rms vs Slug



Right In: 621.256+/-0.107 χ^2/NDF : 5113202.5/34

Left Out: 297.613+/-0.050 χ^2/NDF :1637757.8/24

Right Out: 612.498+/-0.105 χ^2/NDF : 6226098.4/37

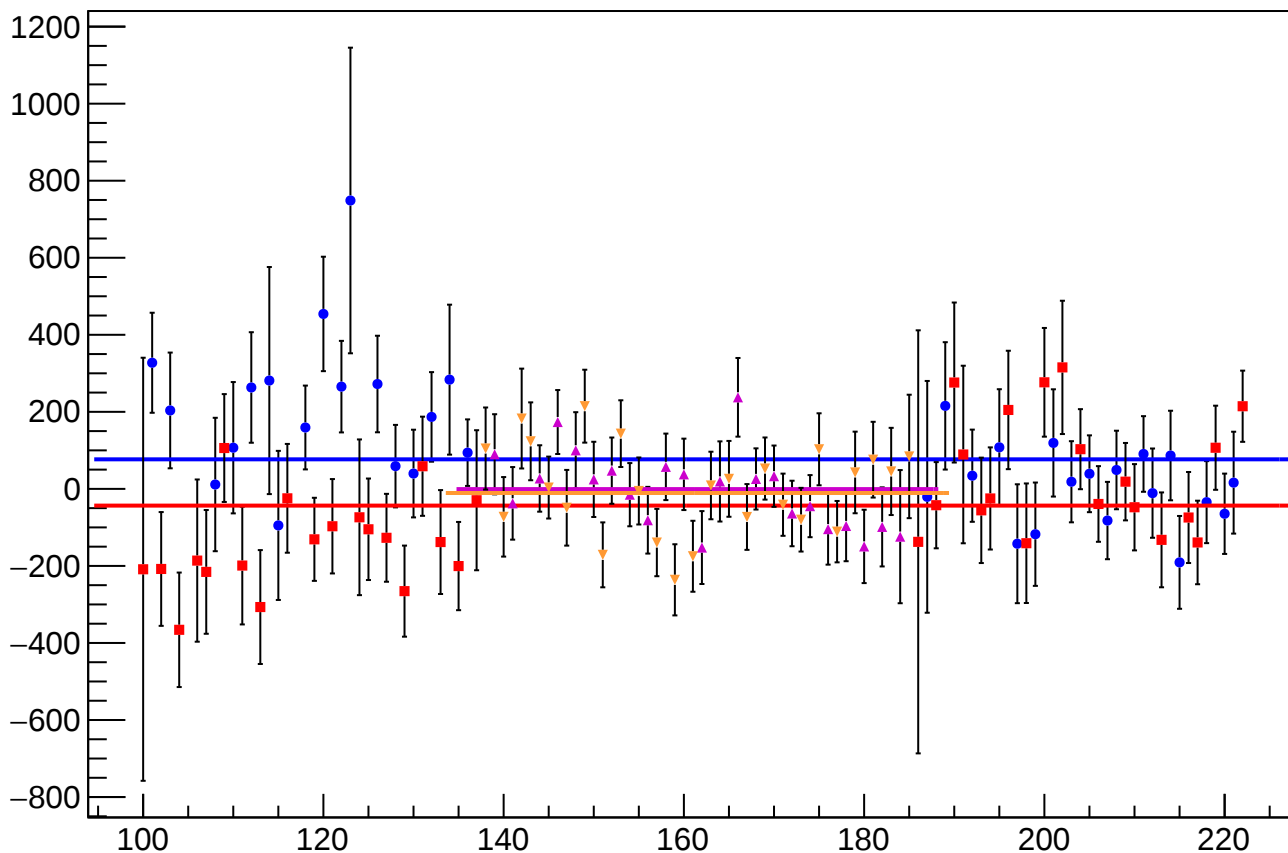
Left In: 297.699+/-0.051 χ^2/NDF :1266306.2/22

+ sign 355.701+/-0.046 χ^2/NDF : 14188650.1/59

All: 357.333+/-0.032 χ^2/NDF : 28969669.5/12

- sign 359.011+/-0.046 χ^2/NDF : 14778414.0/60

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 76.700 ± 21.403 χ^2/NDF : 41.5/34

Left Out: -10.667 ± 18.610 χ^2/NDF : 36.3/24

Right Out: -43.411 ± 21.556 χ^2/NDF : 49.8/37

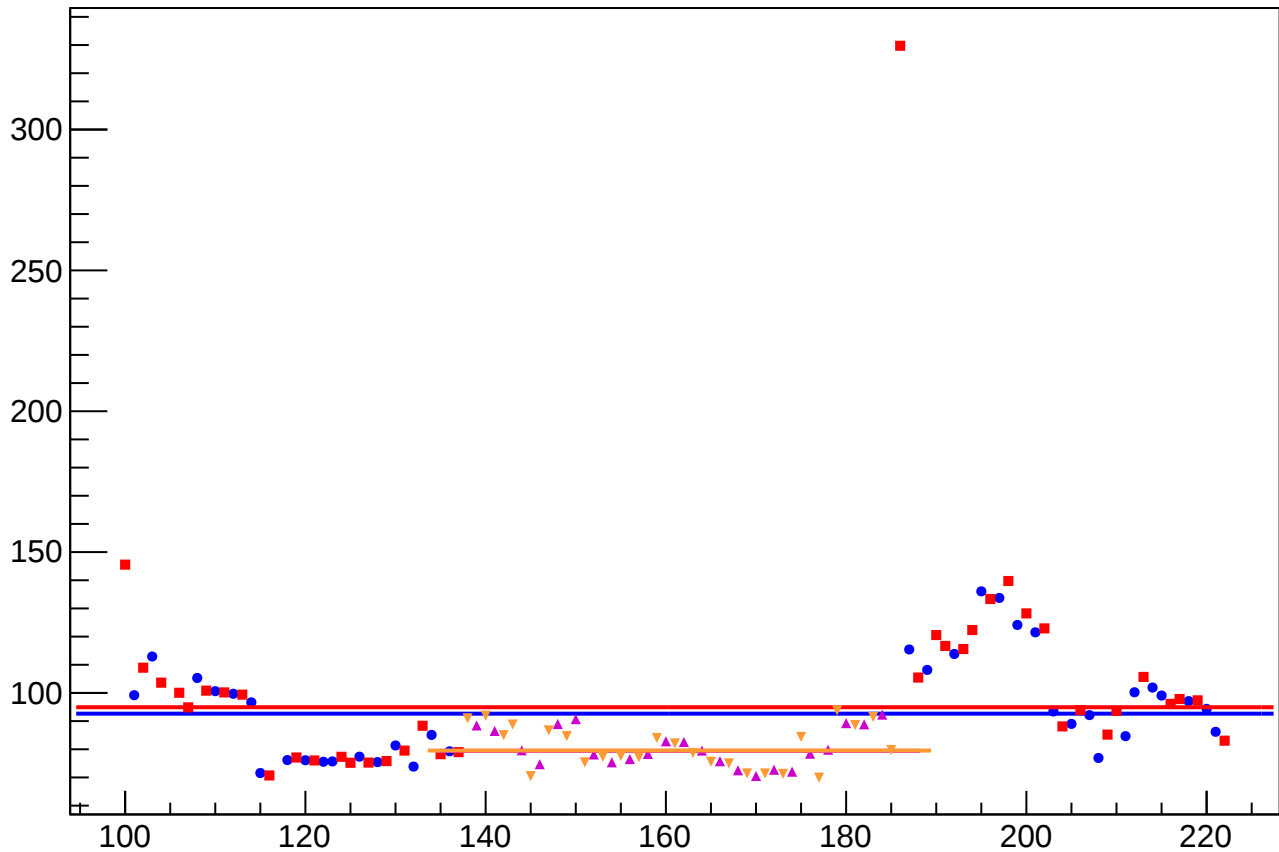
Left In: -0.575 ± 19.091 χ^2/NDF : 23.8/22

+ sign 26.948 ± 14.043 χ^2/NDF : 87.3/59

All: 4.178 ± 10.017 χ^2/NDF : 168.5/120

- sign -19.405 ± 14.292 χ^2/NDF : 75.8/60

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 92.642 $\pm$ 0.015 χ^2 /NDF: 1100474.2/34

Left Out: 79.551 $\pm$ 0.013 χ^2 /NDF: 309075.2/24

Right Out: 94.925 $\pm$ 0.015 χ^2 /NDF: 1571709.0/37

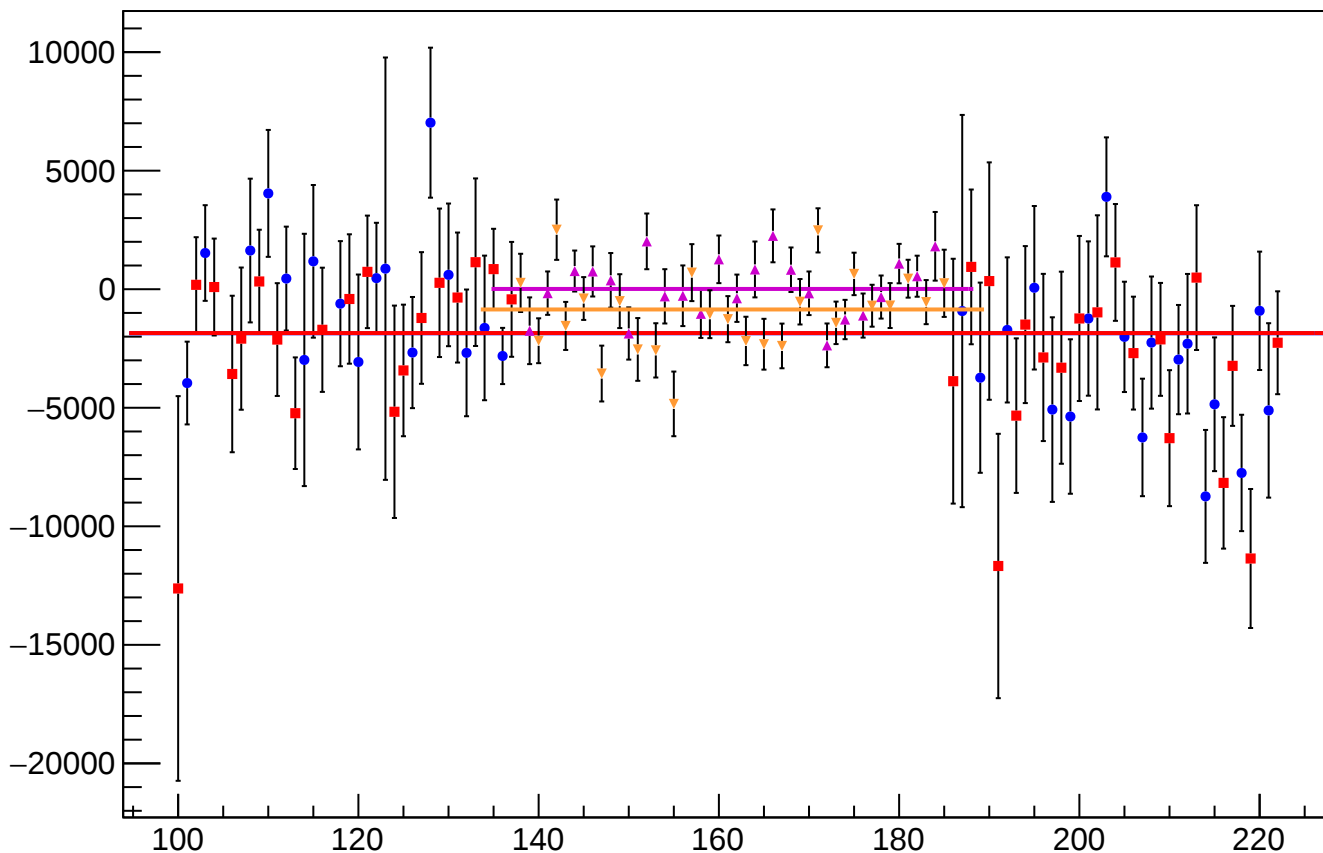
Left In: 79.436 $\pm$ 0.013 χ^2 /NDF: 212440.1/22

+ sign 85.187 $\pm$ 0.010 χ^2 /NDF: 1835625.5/59

All: 85.707 $\pm$ 0.007 χ^2 /NDF: 4203967.8/120

- sign 86.245 $\pm$ 0.010 χ^2 /NDF: 2362769.2/60

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1858.127 ± 445.365 $\chi^2/\text{NDF}: 48.3/34$

Left Out: -854.130 ± 204.090 $\chi^2/\text{NDF}: 56.0/24$

Right Out: -1849.071 ± 451.539 $\chi^2/\text{NDF}: 40.0/37$

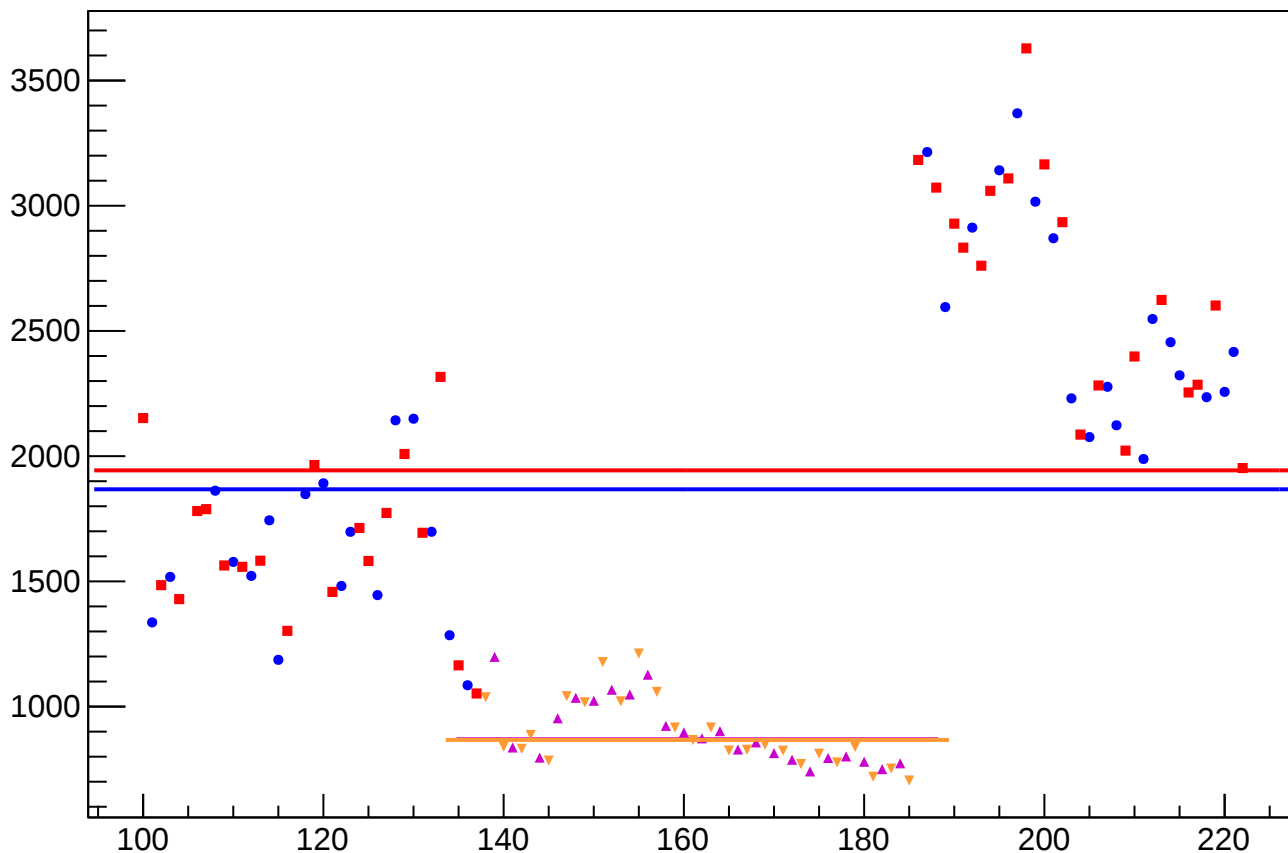
Left In: 11.687 ± 210.073 $\chi^2/\text{NDF}: 31.2/22$

+ sign -1028.375 ± 185.537 $\chi^2/\text{NDF}: 108.5/59$

All: -683.187 ± 132.904 $\chi^2/\text{NDF}: 200.8/120$

- sign -319.404 ± 190.469 $\chi^2/\text{NDF}: 85.2/60$

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1867.634 $\pm$ 0.315 χ^2/NDF : 3395328.2/34

Left Out: 866.893 $\pm$ 0.144 χ^2/NDF : 661712.5/24

Right Out: 1943.313 $\pm$ 0.319 χ^2/NDF : 3508190.7/37

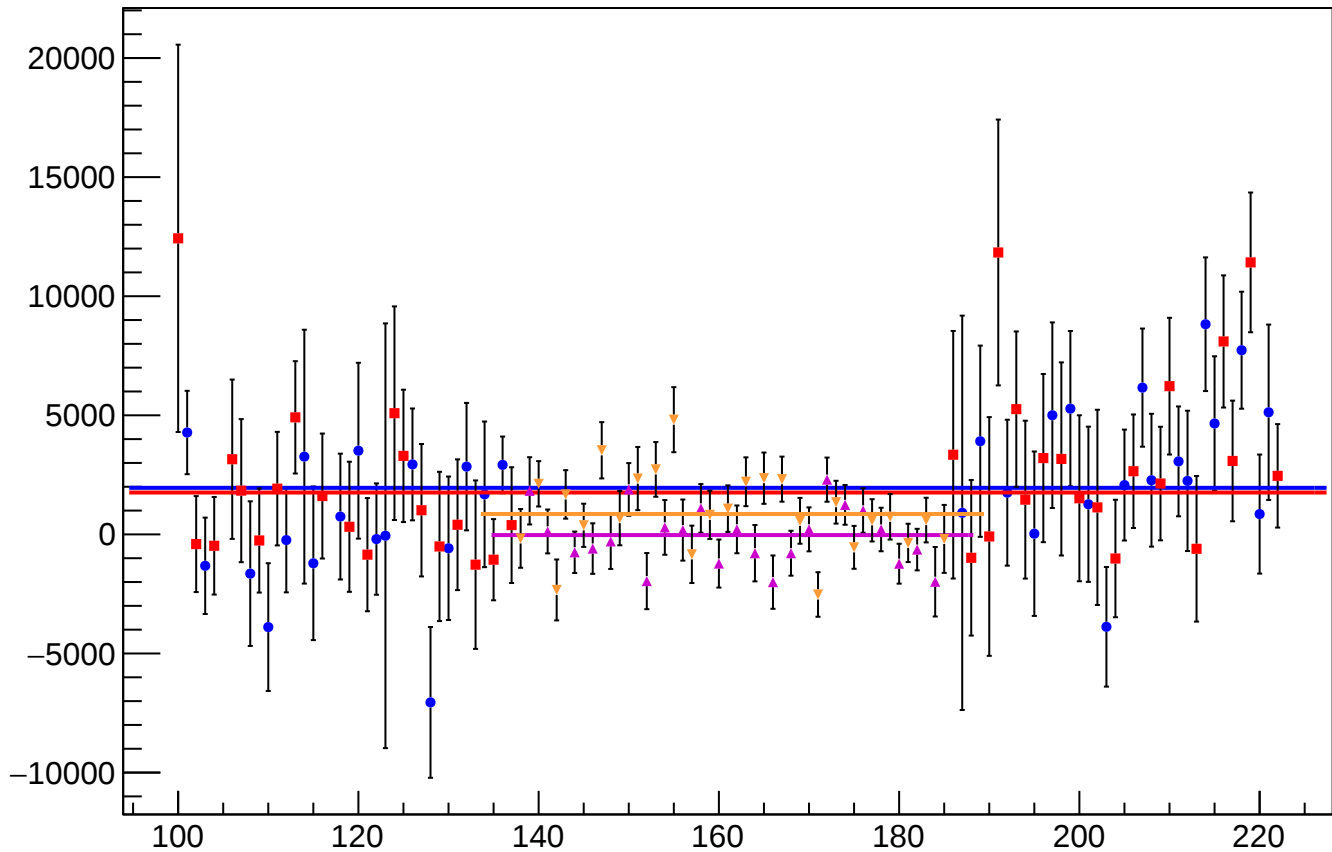
Left In: 869.569 $\pm$ 0.149 χ^2/NDF : 582301.2/22

+ sign 1040.573 $\pm$ 0.131 χ^2/NDF : 12402632.9/59

All: 1050.336 $\pm$ 0.094 χ^2/NDF : 25801628.0/100

- sign 1060.624 $\pm$ 0.135 χ^2/NDF : 13387622.5/60

asym_sam_24_68_dd_mean vs Slug



Right In: 1955.304 ± 446.066 χ^2/NDF : 47.8/34

Left Out: 855.664 ± 205.047 χ^2/NDF : 54.1/24

Right Out: 1757.800 ± 452.314 χ^2/NDF : 40.4/37

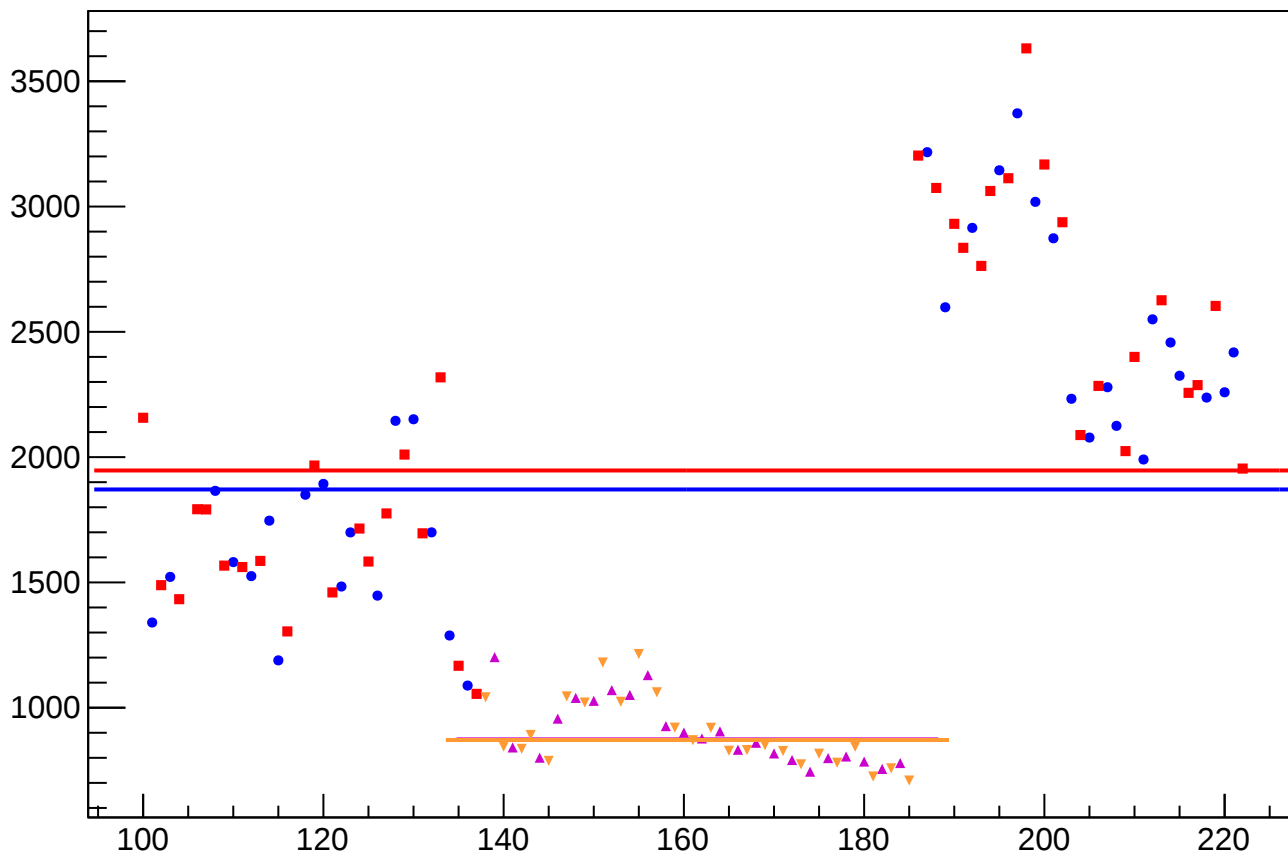
Left In: -28.553 ± 211.034 χ^2/NDF : 29.7/22

+ sign 1047.489 ± 186.306 χ^2/NDF : 106.9/59

All: 679.033 ± 133.449 χ^2/NDF : 197.9/120

- sign -290.790 ± 191.243 χ^2/NDF : 83.0/60

asym_sam_24_68_dd_rms vs Slug



Right In: 1870.991 $\pm$ 0.315 χ^2/NDF : 3380386.8/34

Left Out: 871.109 $\pm$ 0.145 χ^2/NDF : 651751.1/24

+ sign 1045.532 $\pm$ 0.132 χ^2/NDF : 12328274.1/59

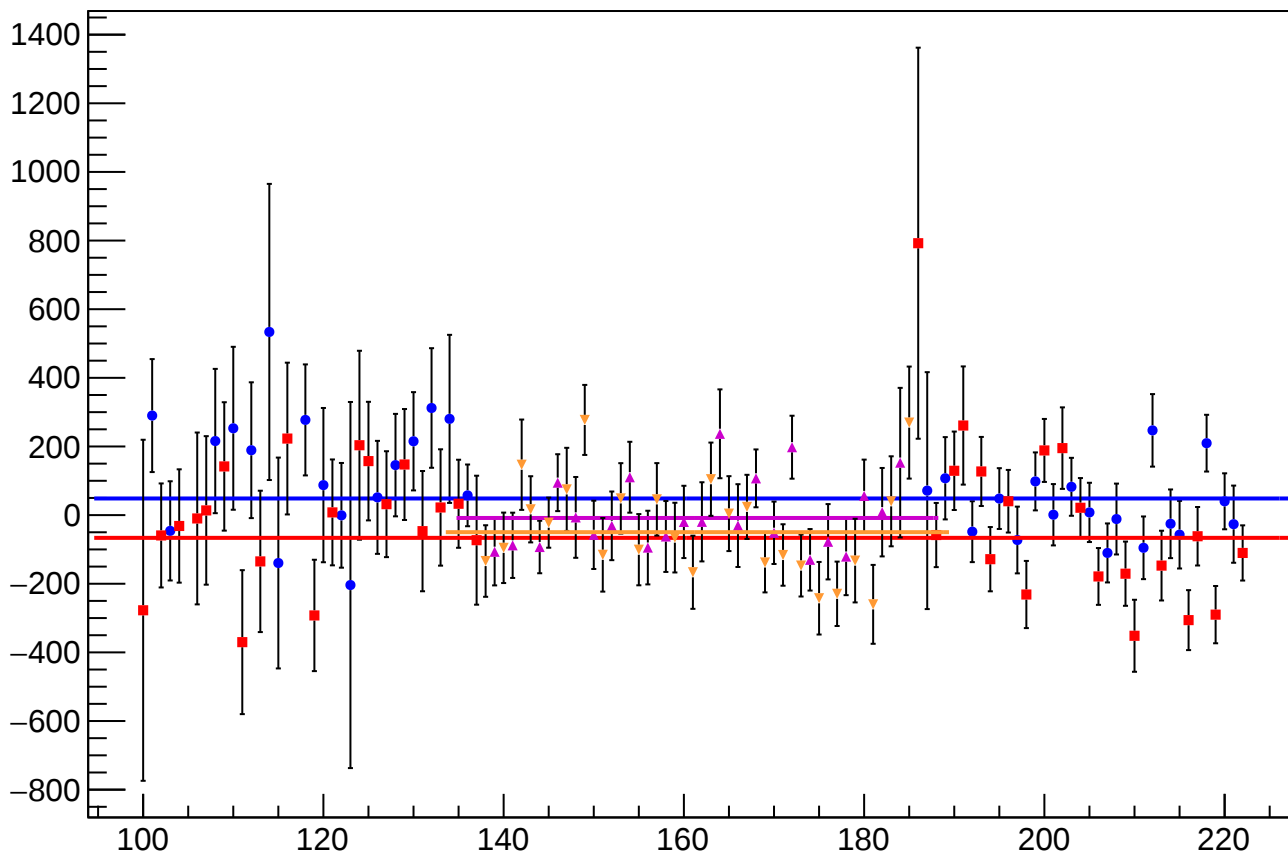
Right Out: 1946.735 $\pm$ 0.320 χ^2/NDF : 3497444.6/37

All: 1055.257 $\pm$ 0.094 χ^2/NDF : 25654813.6/60

Left In: 873.675 $\pm$ 0.149 χ^2/NDF : 573822.5/22

- sign 1065.504 $\pm$ 0.135 χ^2/NDF : 13315348.0/60

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 48.458 ± 19.725 χ^2/NDF : 33.1/34

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: -66.273 ± 19.675 χ^2/NDF : 70.3/37

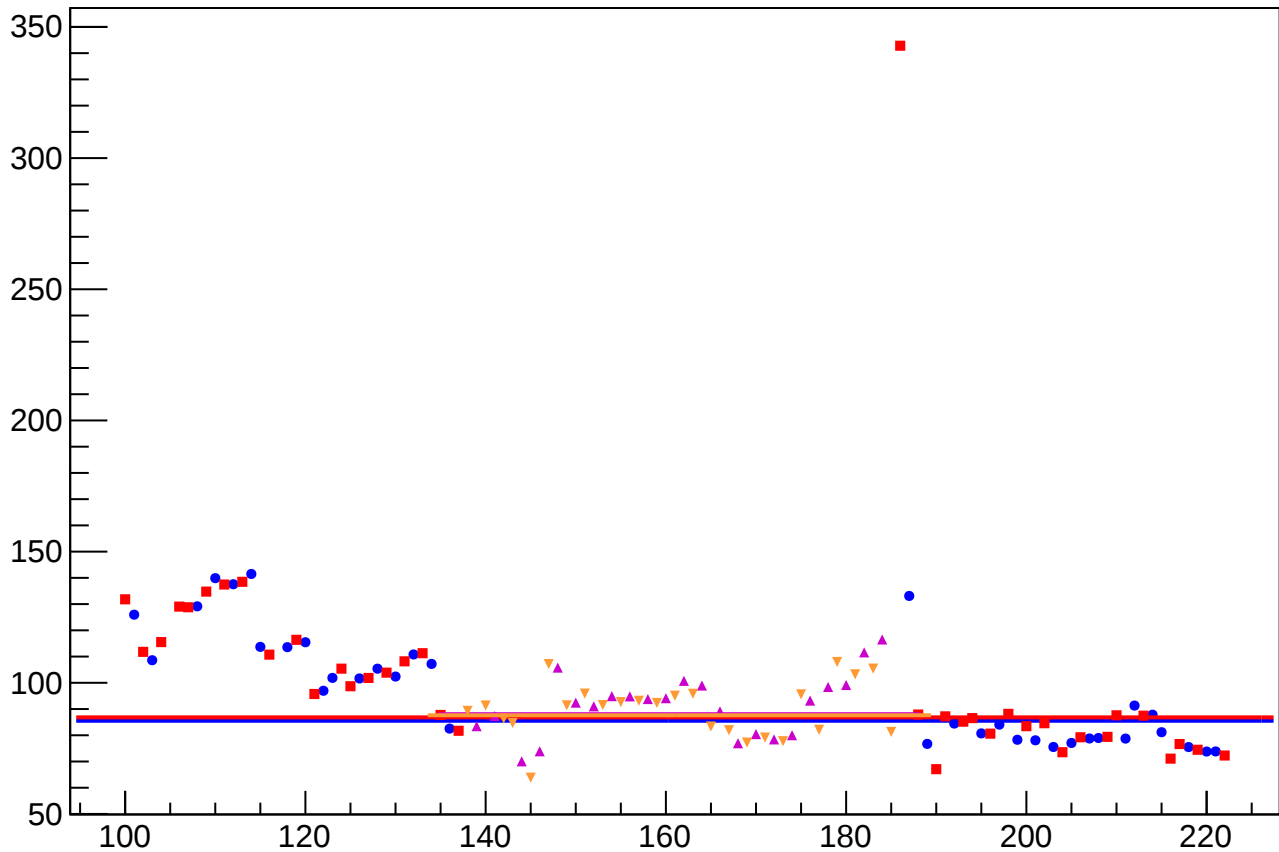
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign 1.452 ± 14.240 χ^2/NDF : 84.4/59

All: -18.764 ± 10.141 χ^2/NDF : 184.8/120

- sign -39.562 ± 14.444 χ^2/NDF : 96.3/60

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 85.537 $\pm$ 0.014 χ^2 /NDF: 1068581.5/34

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 86.816 $\pm$ 0.014 χ^2 /NDF: 1622608.1/37

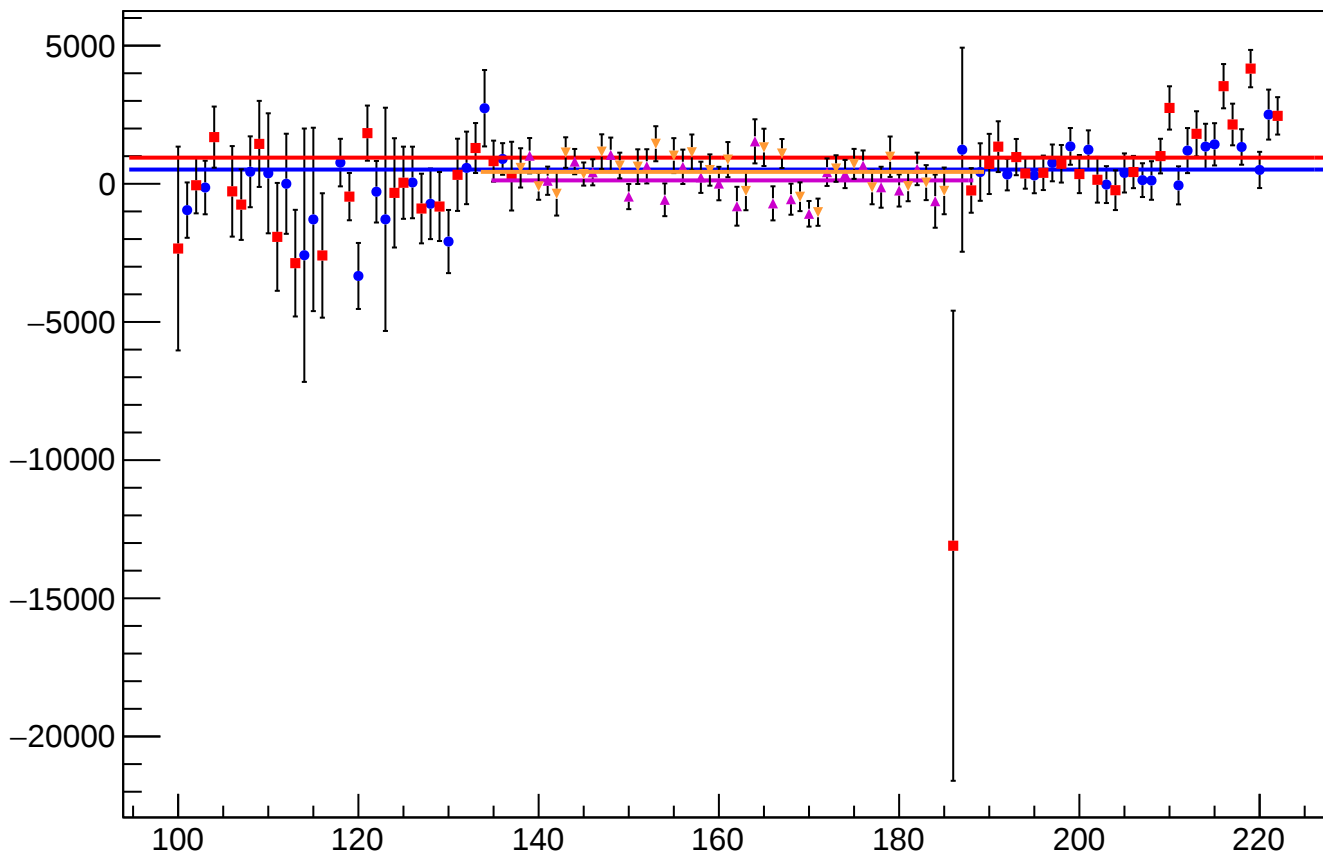
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 86.537 $\pm$ 0.010 χ^2 /NDF: 1634010.6/59

All: 86.951 $\pm$ 0.007 χ^2 /NDF: 3787282.8/120

- sign 87.377 $\pm$ 0.010 χ^2 /NDF: 2149842.2/60

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 515.537 ± 145.699 χ^2/NDF : 38.6/34

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 946.642 ± 143.650 χ^2/NDF : 81.7/37

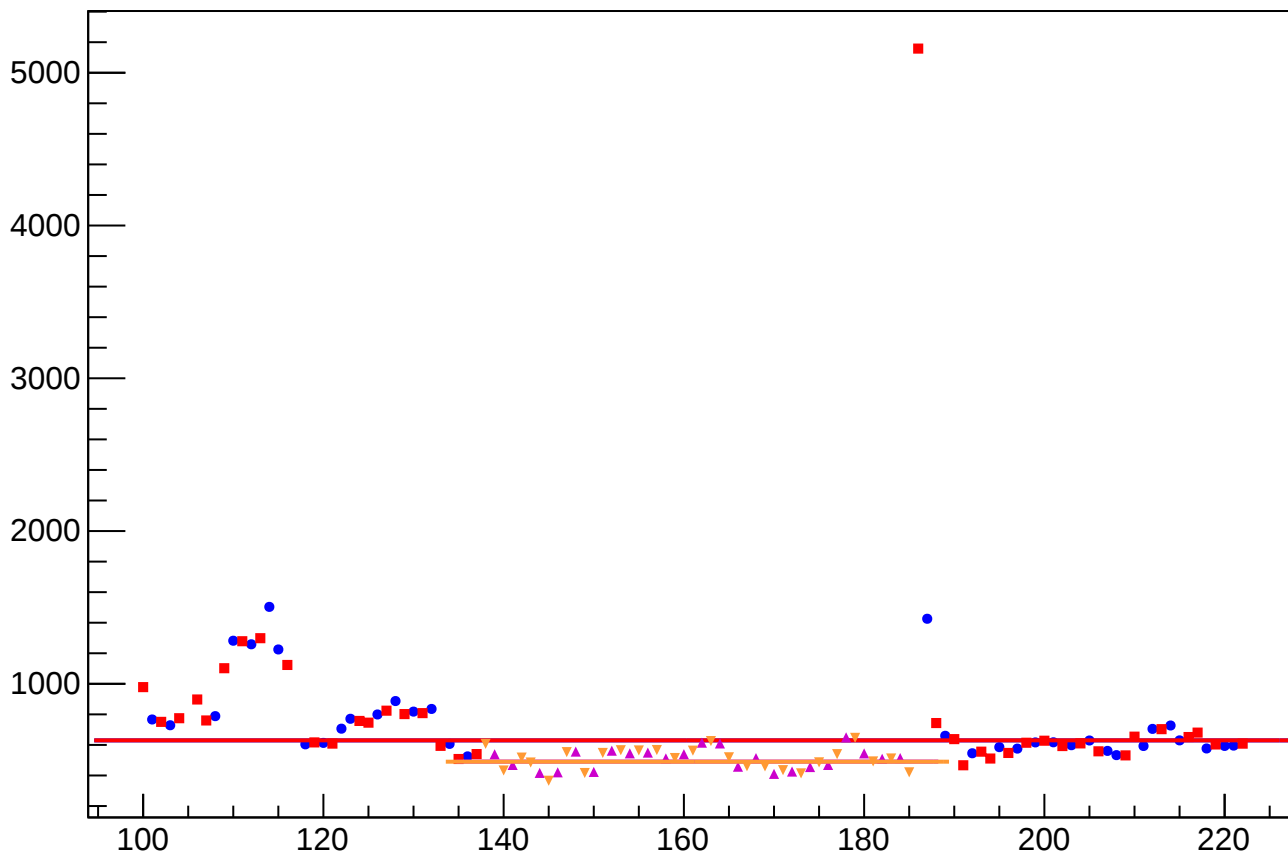
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 464.098 ± 90.609 χ^2/NDF : 69.3/59

All: 460.934 ± 64.408 χ^2/NDF : 199.8/120

- sign 457.702 ± 91.571 χ^2/NDF : 130.5/60

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 629.634 $\pm$ 0.103 χ^2 /NDF: 1251020.7/34

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 630.031 $\pm$ 0.102 χ^2 /NDF: 2054362.1/37

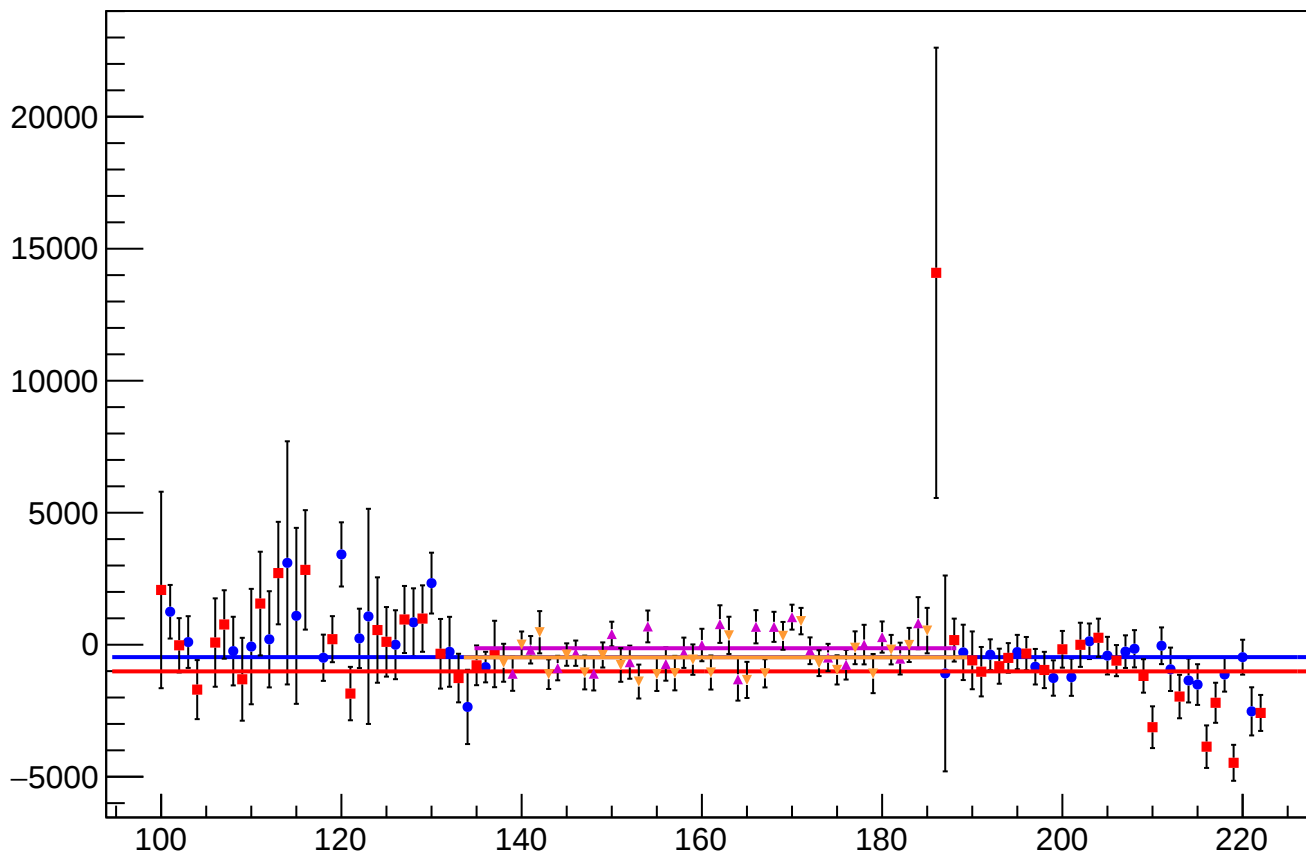
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 544.167 $\pm$ 0.064 χ^2 /NDF: 3123503.8/59

All: 545.787 $\pm$ 0.046 χ^2 /NDF: 6882002.7/120

- sign 547.442 $\pm$ 0.065 χ^2 /NDF: 3757206.2/60

asym_sam_26_48_dd_mean vs Slug



Right In: -469.658 ± 147.172 χ^2/NDF : 38.2/34

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -1009.586 ± 145.192 χ^2/NDF : 90.9/37

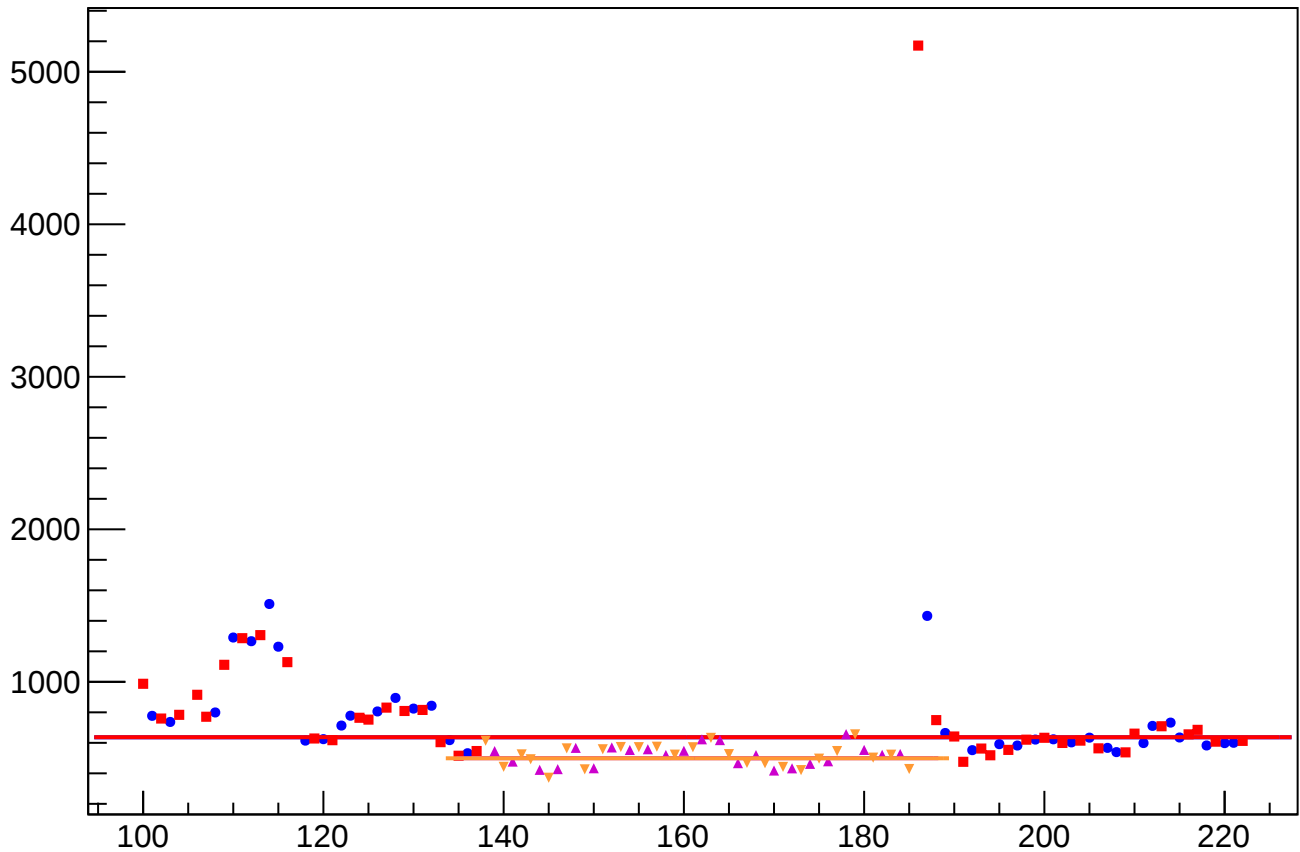
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -474.867 ± 91.900 χ^2/NDF : 66.0/59

All: -483.114 ± 65.331 χ^2/NDF : 208.0/120

- sign -491.539 ± 92.892 χ^2/NDF : 142.0/60

asym_sam_26_48_dd_rms vs Slug



Right In: 636.153 $\pm$ 0.104 χ^2 /NDF: 1239944.3/34

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 637.005 $\pm$ 0.103 χ^2 /NDF: 2032806.3/37

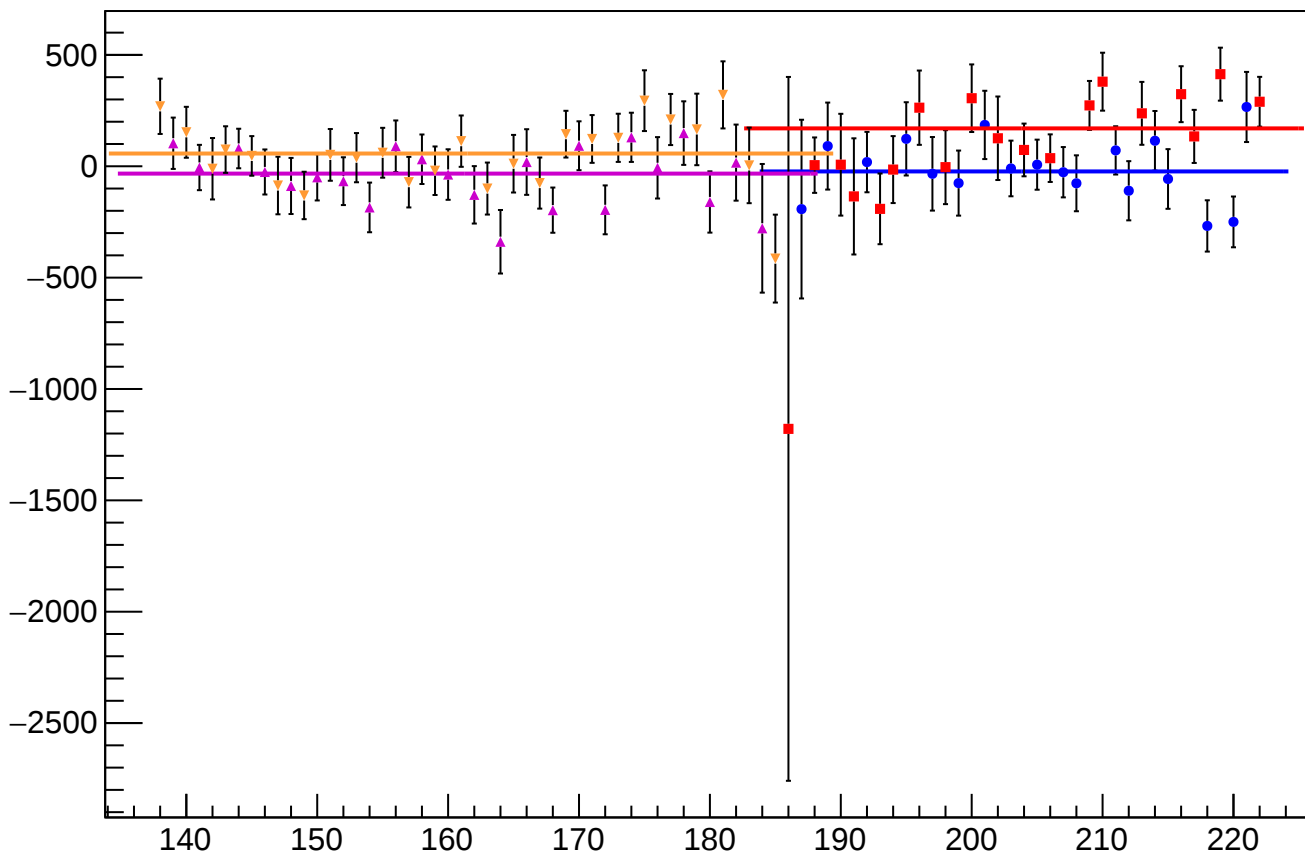
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 552.330 $\pm$ 0.065 χ^2 /NDF: 3037731.7/59

All: 554.007 $\pm$ 0.046 χ^2 /NDF: 6709644.8/120

- sign 555.721 $\pm$ 0.066 χ^2 /NDF: 3670565.9/60

reg_asym_sam_1548_avg_mean vs Slug



Right In: -23.187 ± 31.927 χ^2/NDF : 17.8/17

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: 170.064 ± 32.232 χ^2/NDF : 26.2/18

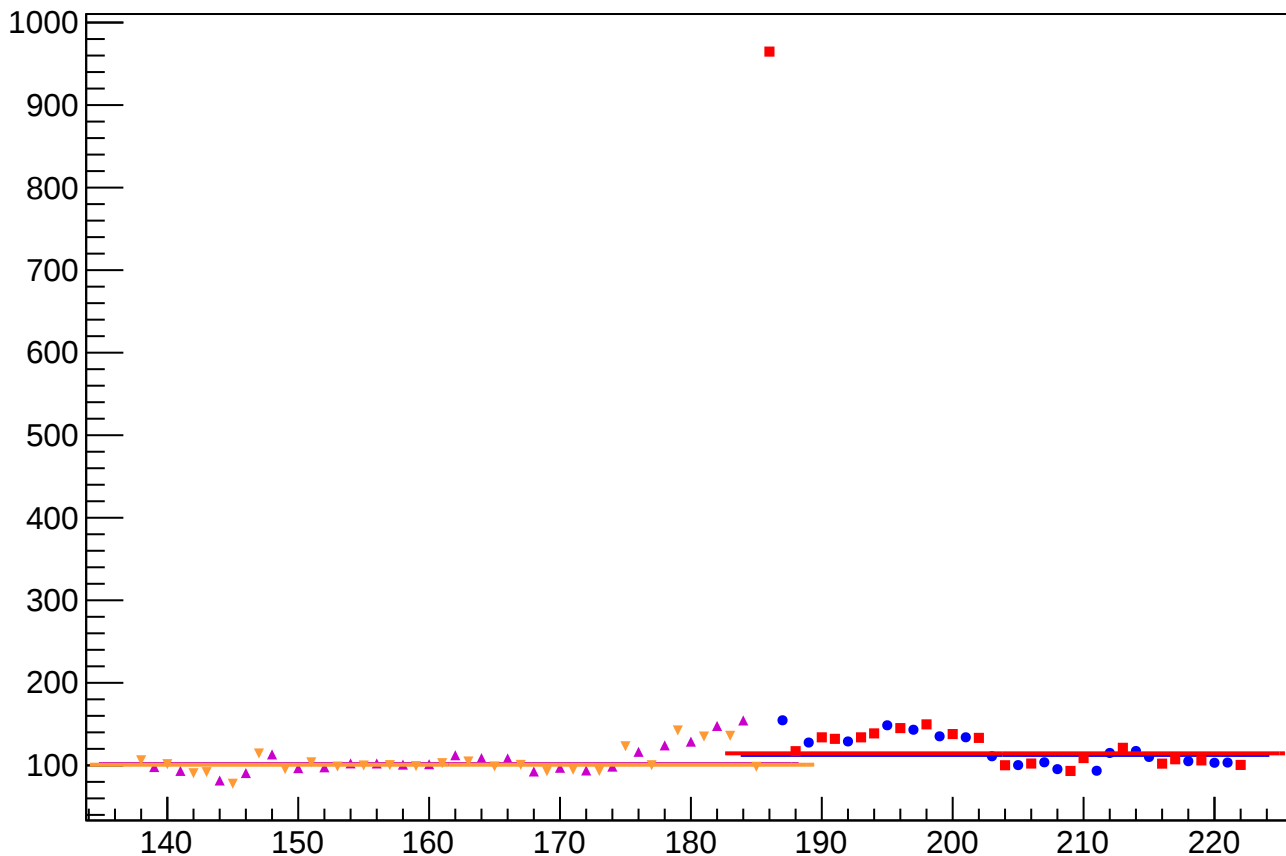
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 28.627 ± 19.037 χ^2/NDF : 51.1/42

All: 35.004 ± 13.639 χ^2/NDF : 126.2/84

- sign 41.729 ± 19.549 χ^2/NDF : 74.9/41

reg_asym_sam_1548_avg_rms vs Slug



Right In: 112.689 $\pm$ 0.023 χ^2 /NDF: 483412.5/17

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 114.564 $\pm$ 0.023 χ^2 /NDF: 1117849.8/18

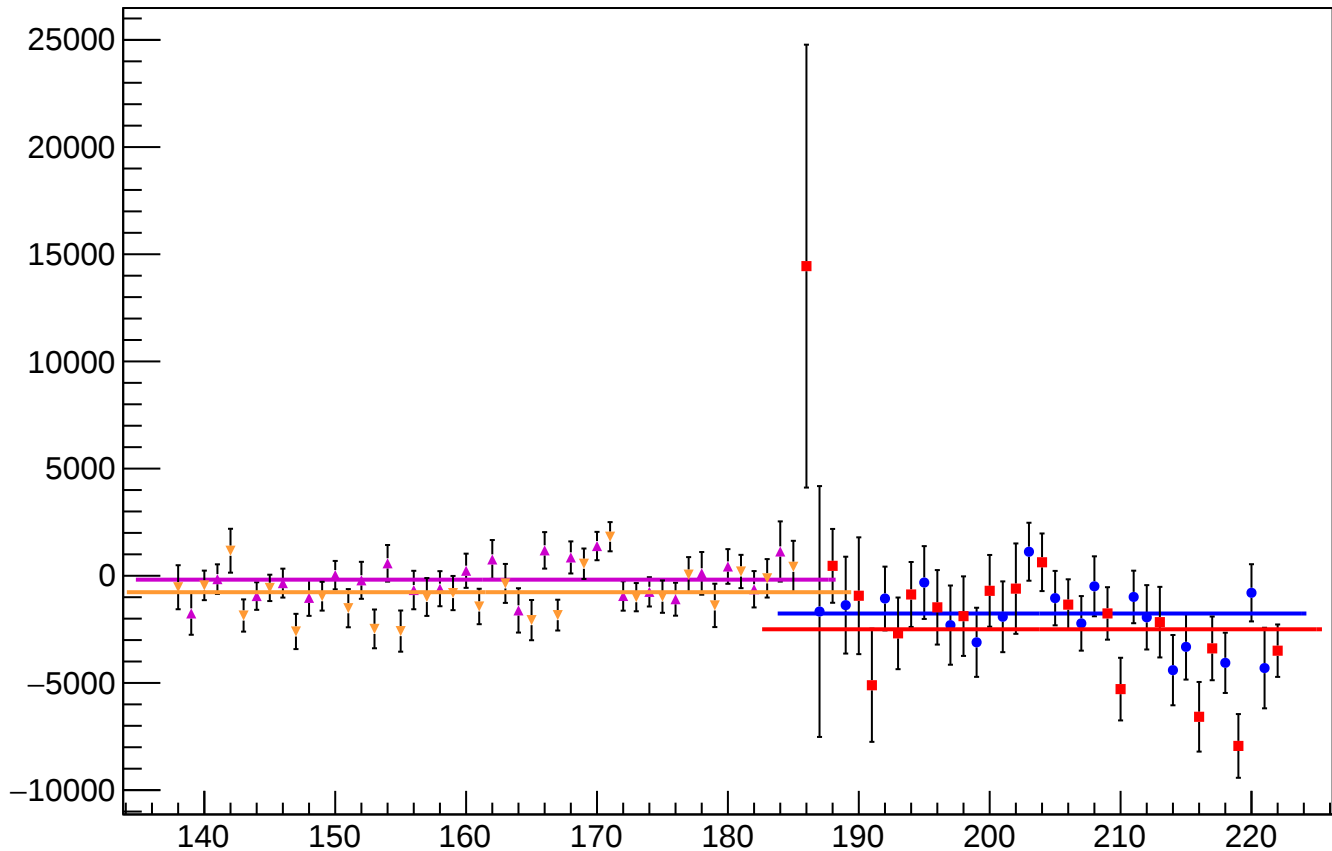
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 105.027 $\pm$ 0.013 χ^2 /NDF: 1262629.6/42

All: 105.687 $\pm$ 0.010 χ^2 /NDF: 3171595.3/84

- sign 106.383 $\pm$ 0.014 χ^2 /NDF: 1904031.2/41

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1760.990 ± 362.154 χ^2/NDF : 16.7/17

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -2496.435 ± 368.863 χ^2/NDF : 41.7/18

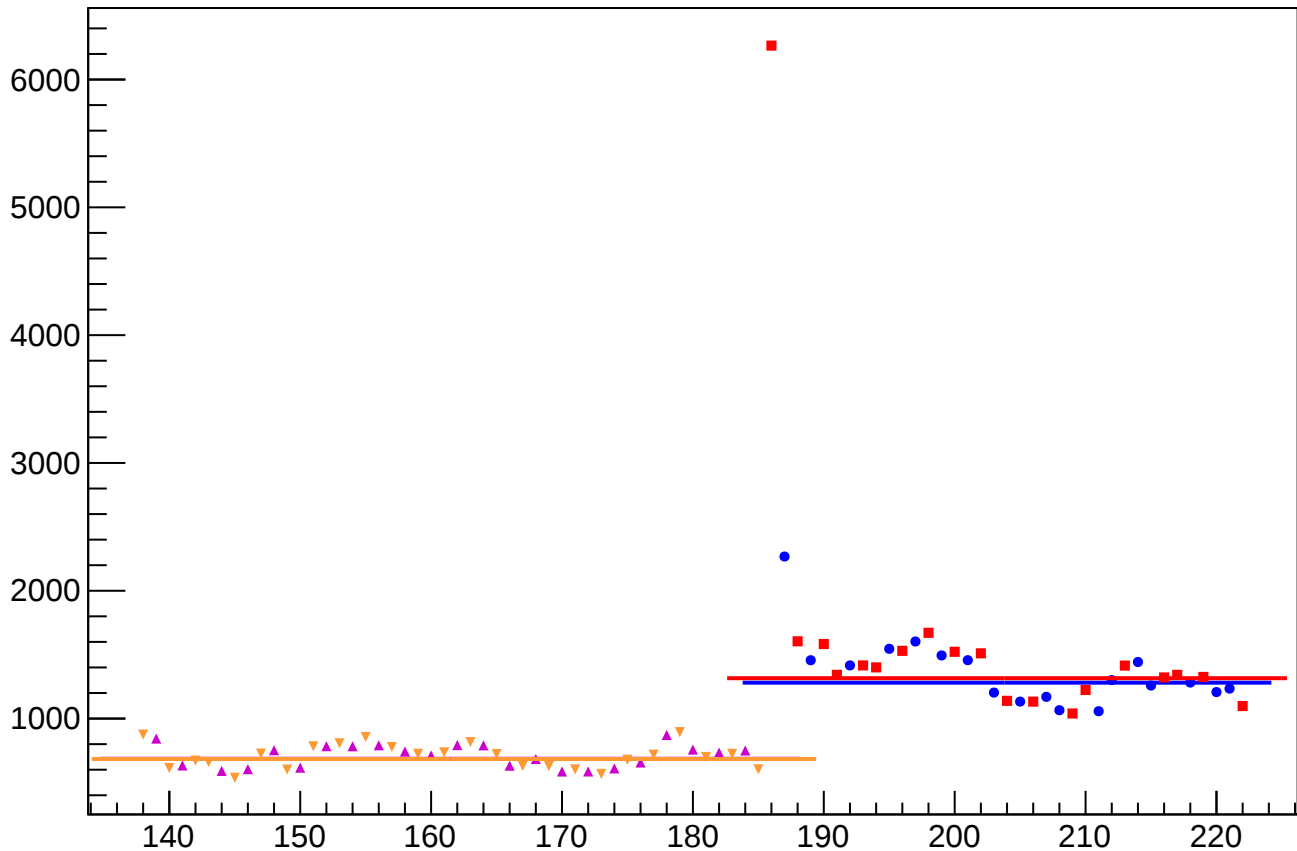
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -930.607 ± 147.168 χ^2/NDF : 69.5/42

All: -755.168 ± 105.435 χ^2/NDF : 171.9/84

- sign -570.162 ± 151.127 χ^2/NDF : 99.5/41

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1281.059 $\pm$ 0.256 χ^2 /NDF: 442954.3/17

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1315.920 $\pm$ 0.261 χ^2 /NDF: 963364.1/18

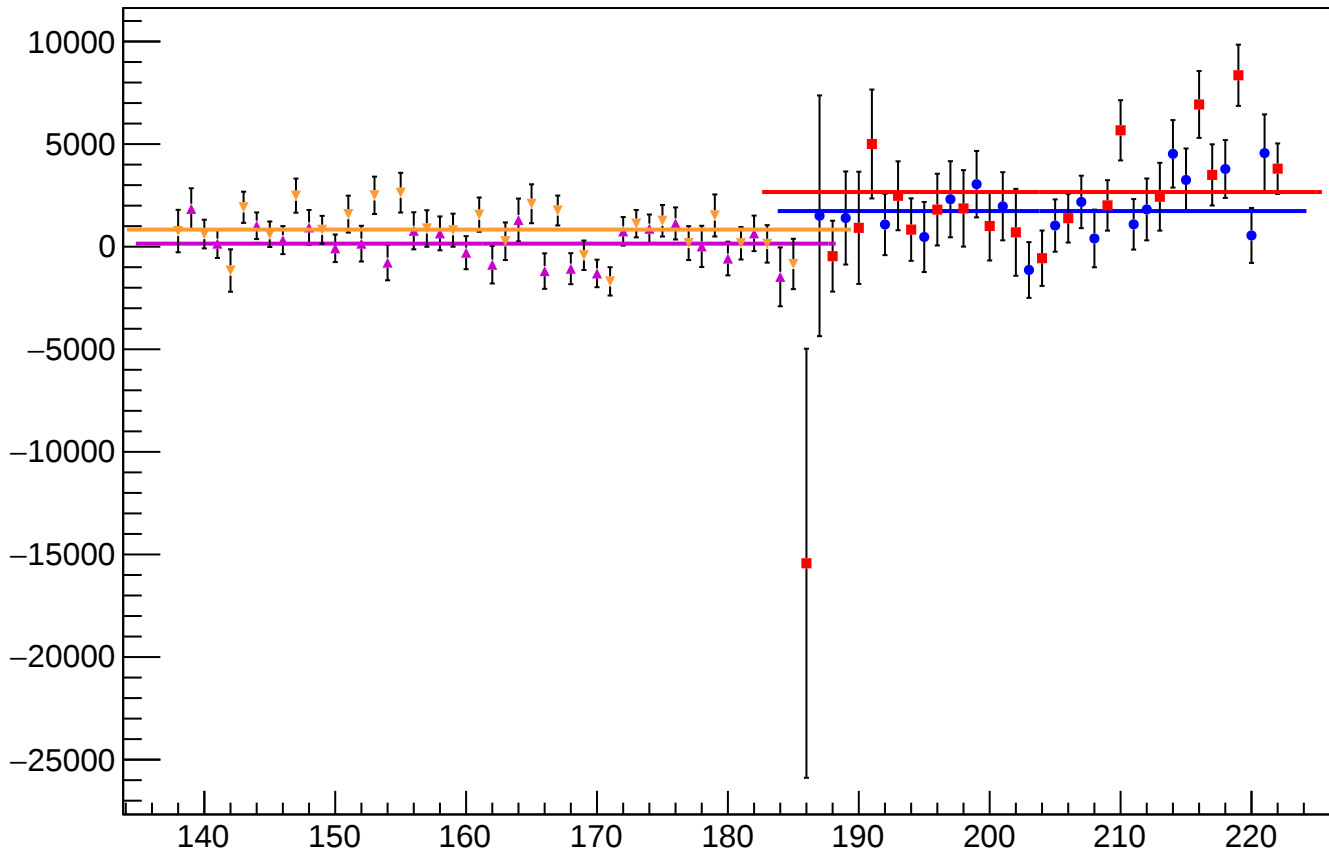
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 782.499 $\pm$ 0.104 χ^2 /NDF: 5650184.9/42

All: 786.832 $\pm$ 0.075 χ^2 /NDF: 12006341.9/84

- sign 791.401 $\pm$ 0.107 χ^2 /NDF: 6352594.7/41

asym_sam_1548_avg_mean vs Slug



Right In: 1736.301 $\pm$ 363.608 χ^2/NDF : 16.6/17

Left Out: 833.395 $\pm$ 162.965 χ^2/NDF : 43.2/24

Right Out: 2663.483 $\pm$ 370.354 χ^2/NDF : 45.1/18

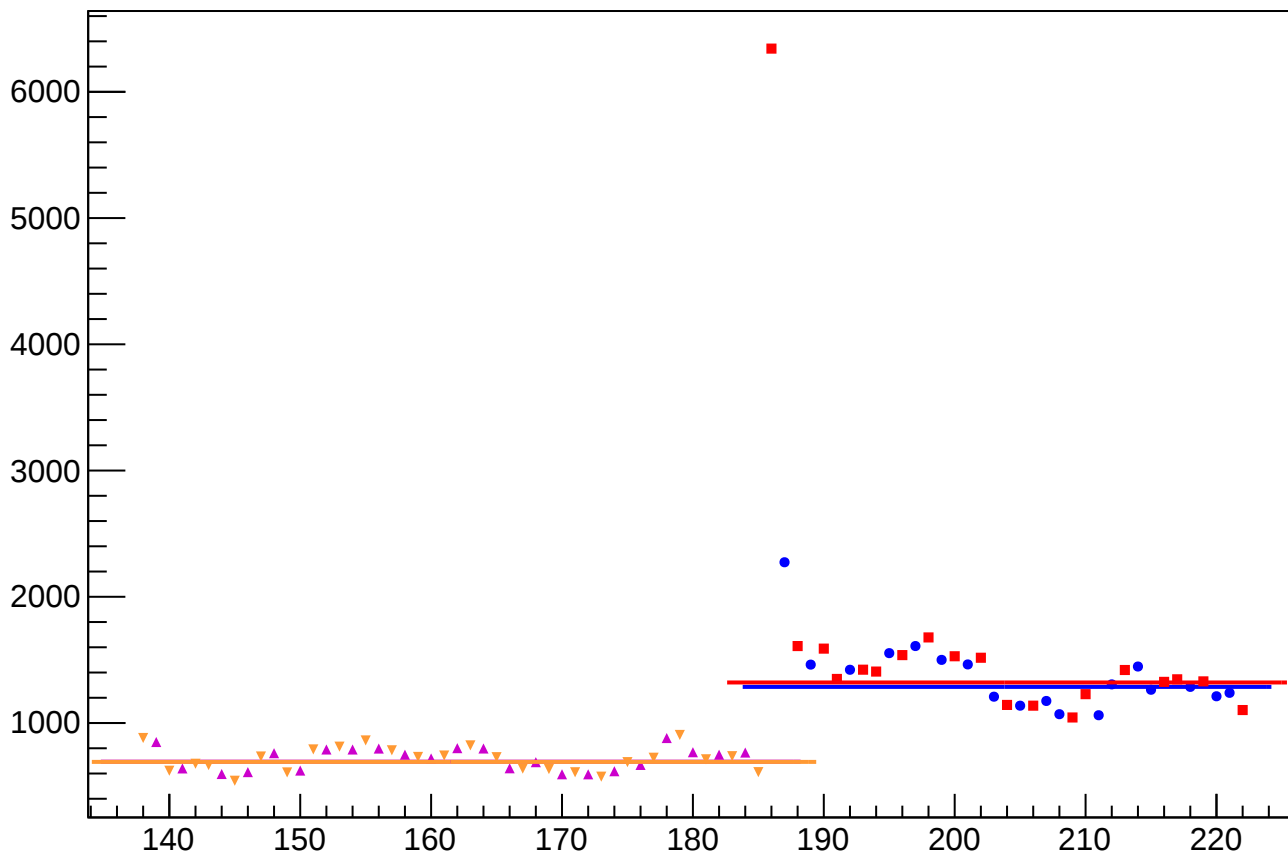
Left In: 148.814 $\pm$ 167.644 χ^2/NDF : 26.0/22

+ sign 984.426 $\pm$ 148.712 χ^2/NDF : 65.0/42

All: 785.869 $\pm$ 106.546 χ^2/NDF : 178.0/84

- sign 576.448 $\pm$ 152.726 χ^2/NDF : 109.4/41

asym_sam_1548_avg_rms vs Slug



Right In: 1286.201 $\pm$ 0.257 χ^2 /NDF: 443550.5/17

Left Out: 692.097 $\pm$ 0.115 χ^2 /NDF: 657259.6/24

Right Out: 1321.213 $\pm$ 0.262 χ^2 /NDF: 965615.7/18

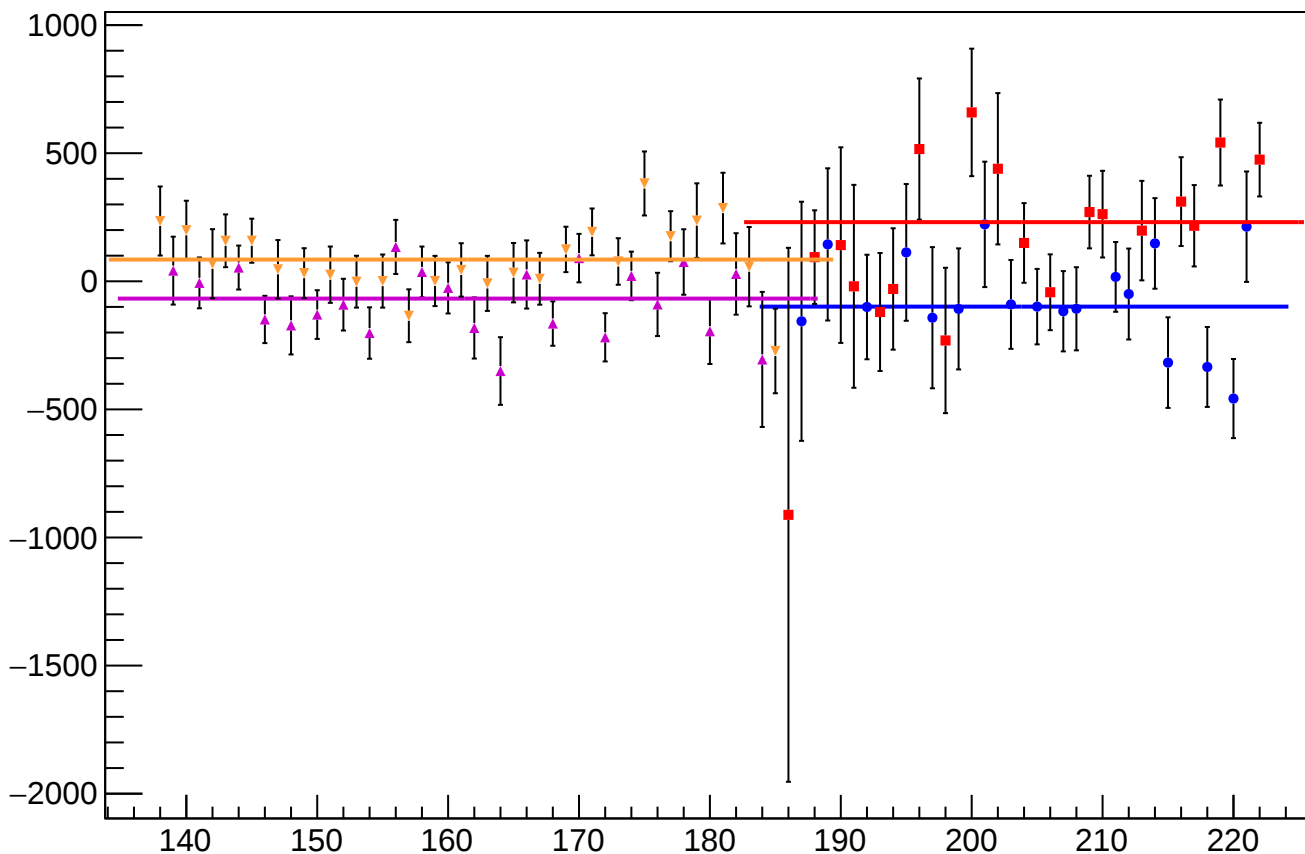
Left In: 693.867 $\pm$ 0.119 χ^2 /NDF: 522053.5/22

+ sign 791.474 $\pm$ 0.105 χ^2 /NDF: 5547033.4/42

All: 795.892 $\pm$ 0.075 χ^2 /NDF: 11801100.4/84

- sign 800.551 $\pm$ 0.108 χ^2 /NDF: 6250440.6/41

reg_asym_sam_3748_avg_mean vs Slug



Right In: -98.860 ± 44.106 $\chi^2/\text{NDF}: 17.1/17$

Left Out: 84.860 ± 21.643 $\chi^2/\text{NDF}: 28.5/24$

Right Out: 230.865 ± 45.214 $\chi^2/\text{NDF}: 23.3/18$

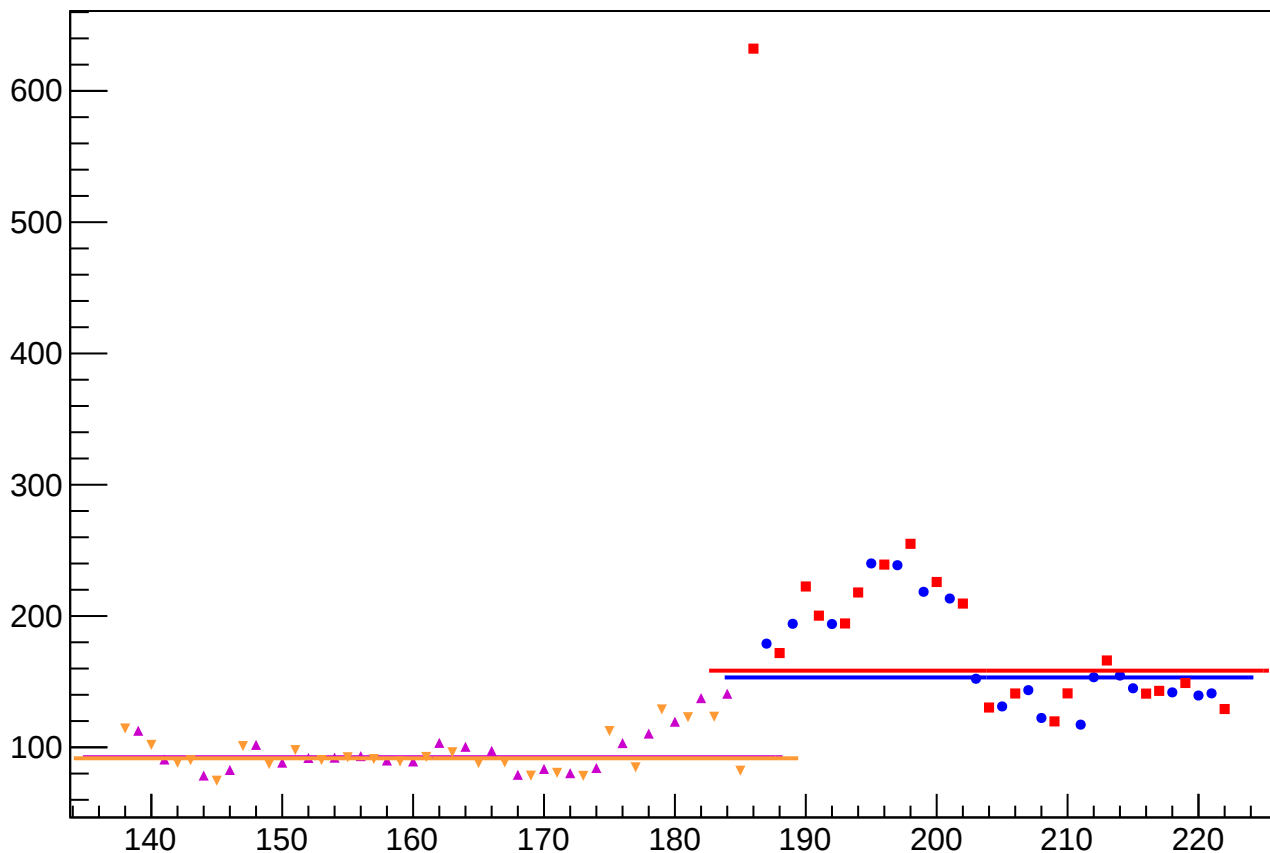
Left In: -67.552 ± 22.449 $\chi^2/\text{NDF}: 28.9/22$

+ sign 49.207 ± 19.430 $\chi^2/\text{NDF}: 59.6/42$

All: 21.325 ± 13.972 $\chi^2/\text{NDF}: 151.0/84$

- sign -8.534 ± 20.107 $\chi^2/\text{NDF}: 87.1/41$

reg_asym_sam_3748_avg_rms vs Slug



Right In: 153.221 $\pm$ 0.031 χ^2 /NDF: 1102747.3/17

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 158.396 $\pm$ 0.032 χ^2 /NDF: 1683079.7/18

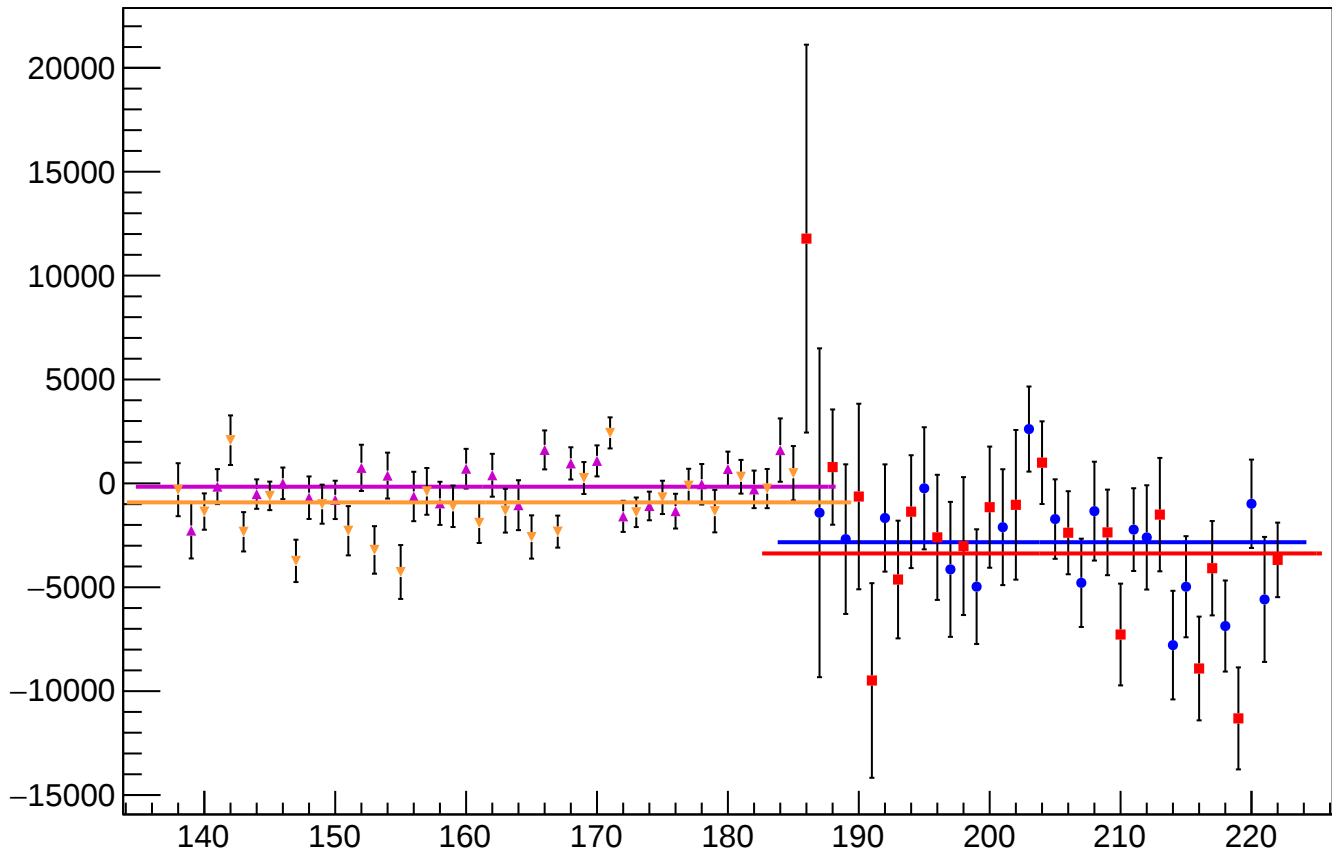
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 103.585 $\pm$ 0.014 χ^2 /NDF: 4938835.2/42

All: 104.512 $\pm$ 0.010 χ^2 /NDF: 10698599.0/84

- sign 105.505 $\pm$ 0.014 χ^2 /NDF: 5750331.8/41

asym_sam_3748_avg_correction_mean vs Slug



Right In: -2831.819 ± 588.270 χ^2/NDF : 19.9/17

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -3371.929 ± 601.504 χ^2/NDF : 32.6/18

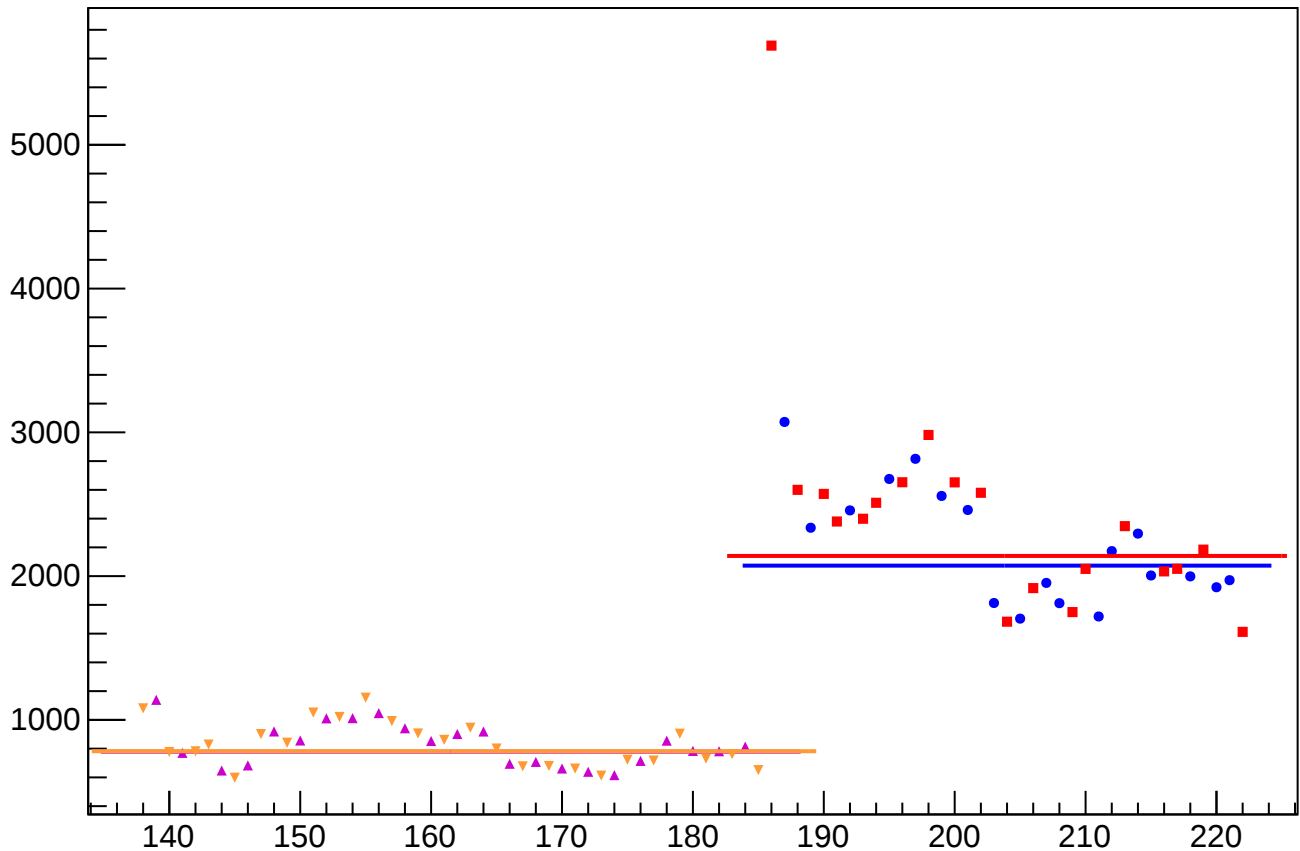
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -1087.833 ± 176.775 χ^2/NDF : 93.8/42

All: -776.450 ± 126.375 χ^2/NDF : 183.7/84

- sign -450.961 ± 180.734 χ^2/NDF : 83.6/41

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2072.956 $\pm$ 0.416 χ^2/NDF : 609946.5/17

Left Out: 782.042 $\pm$ 0.131 χ^2/NDF : 1130984.3/24

Right Out: 2140.423 $\pm$ 0.425 χ^2/NDF : 1097515.4/18

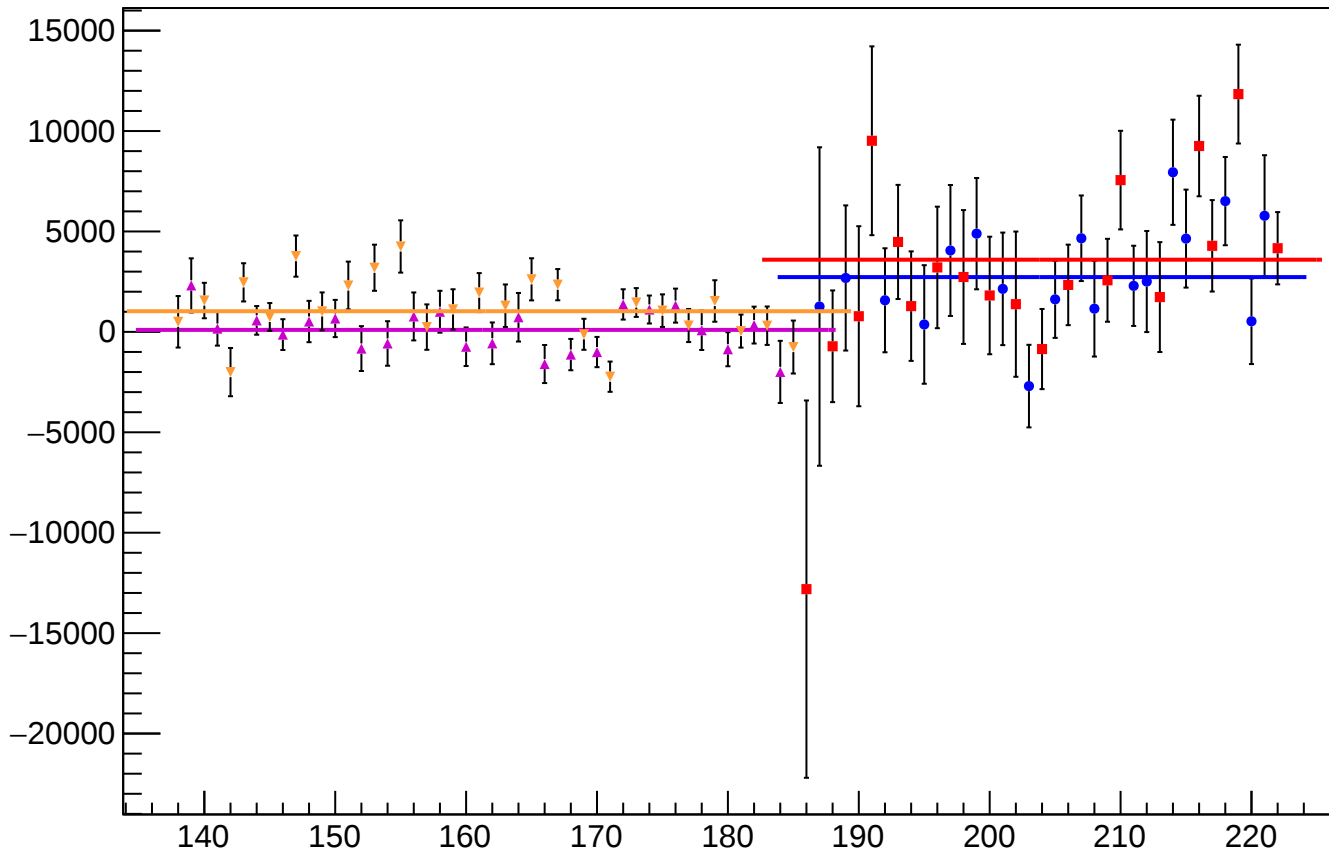
Left In: 778.995 $\pm$ 0.134 χ^2/NDF : 980243.4/22

+ sign 898.611 $\pm$ 0.125 χ^2/NDF : 10502237.1/42

All: 900.223 $\pm$ 0.089 χ^2/NDF : 21901063.6/84

- sign 901.908 $\pm$ 0.128 χ^2/NDF : 11398486.3/41

asym_sam_3748_avg_mean vs Slug



Right In: 2727.681 $\pm$ 590.058 χ^2 /NDF: 19.9/17

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF: 60.2/24

Right Out: 3593.931 $\pm$ 603.357 χ^2 /NDF: 34.3/18

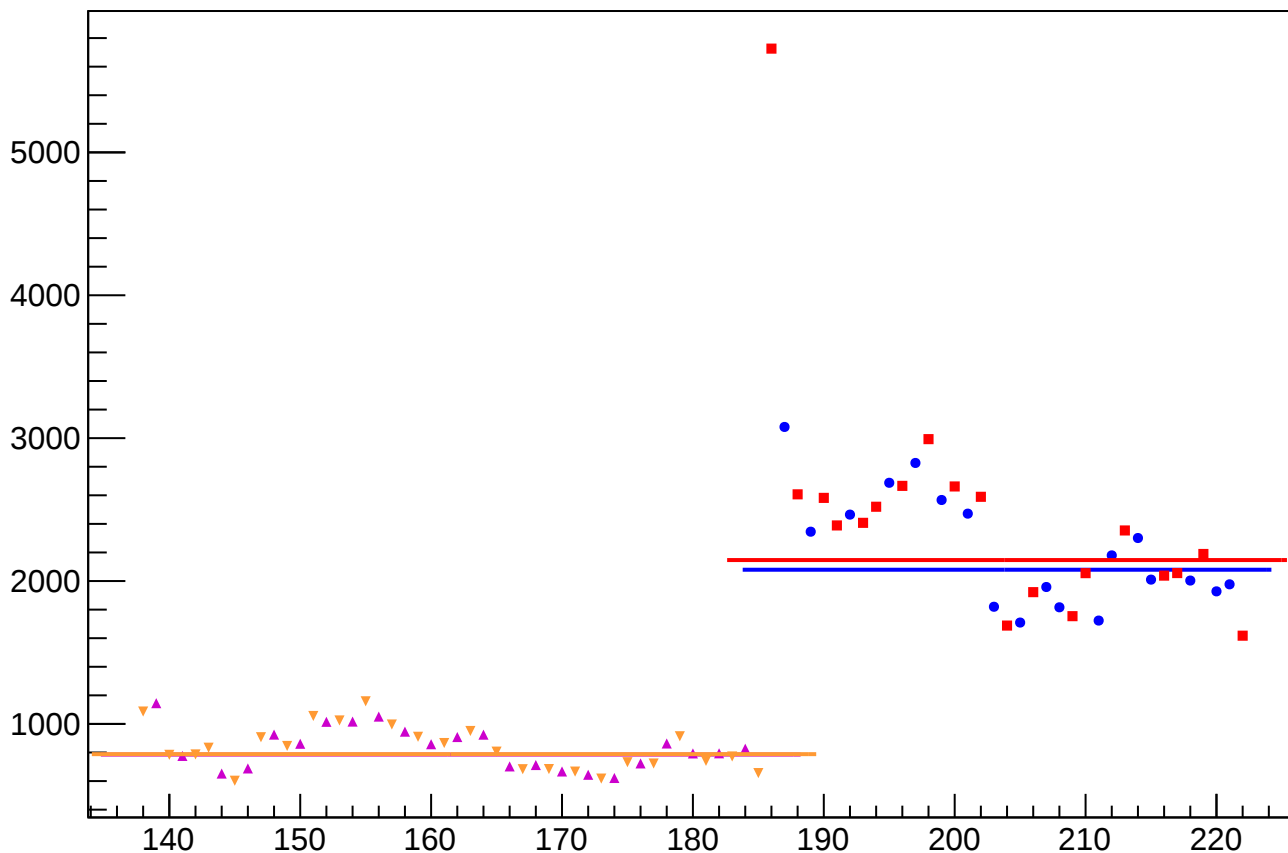
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF: 25.4/22

+ sign 1183.629 $\pm$ 178.098 χ^2 /NDF: 87.6/42

All: 808.933 $\pm$ 127.331 χ^2 /NDF: 186.9/84

- sign 417.133 $\pm$ 182.117 χ^2 /NDF: 90.2/41

asym_sam_3748_avg_rms vs Slug



Right In: 2079.147 $\pm$ 0.417 χ^2 /NDF: 612566.9/17

Left Out: 788.442 $\pm$ 0.132 χ^2 /NDF: 1113741.6/24

Right Out: 2146.875 $\pm$ 0.427 χ^2 /NDF: 1101212.2/18

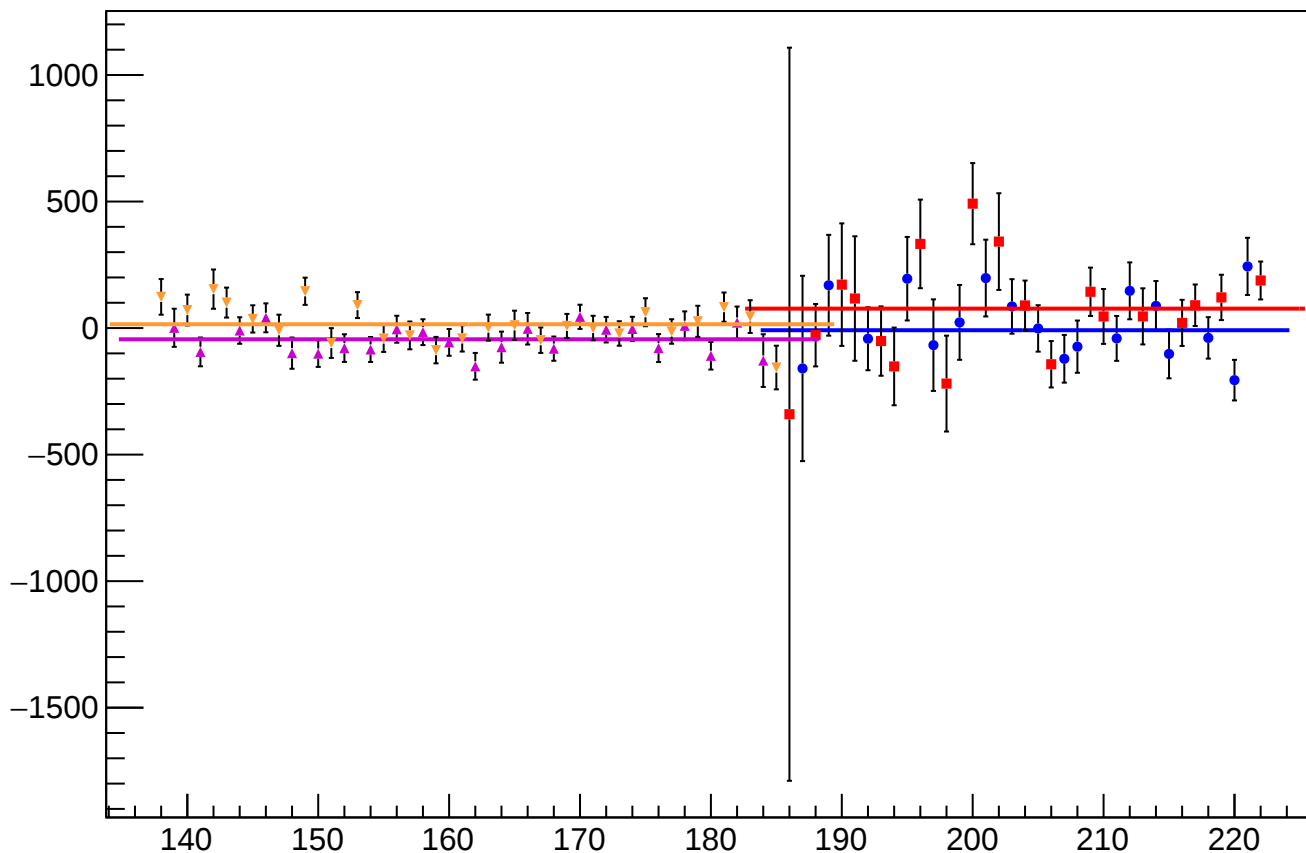
Left In: 785.490 $\pm$ 0.135 χ^2 /NDF: 965338.9/22

+ sign 906.027 $\pm$ 0.126 χ^2 /NDF: 10424106.6/42

All: 907.736 $\pm$ 0.090 χ^2 /NDF: 21745578.0/84

- sign 909.522 $\pm$ 0.129 χ^2 /NDF: 11321095.0/41

reg_asym_sam_1526_avg_mean vs Slug



Right In: -8.502 ± 26.123 χ^2/NDF : 22.3/17

Left Out: 15.099 ± 11.154 χ^2/NDF : 34.2/24

Right Out: 76.852 ± 26.791 χ^2/NDF : 26.5/18

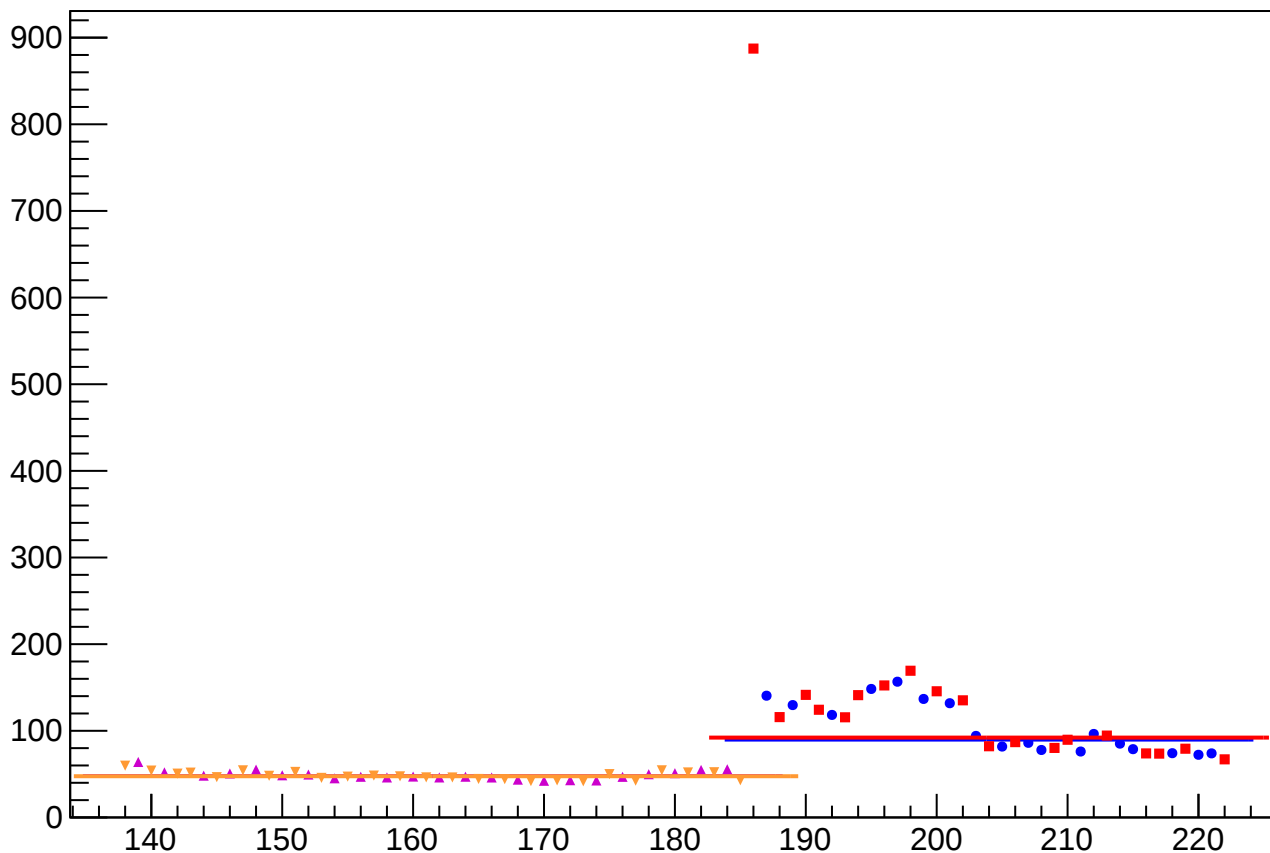
Left In: -44.297 ± 11.530 χ^2/NDF : 22.3/22

+ sign 11.460 ± 10.258 χ^2/NDF : 57.2/42

All: -6.366 ± 7.368 χ^2/NDF : 129.5/84

- sign -25.366 ± 10.591 χ^2/NDF : 66.1/41

reg_asym_sam_1526_avg_rms vs Slug



Right In: 89.882 $\pm$ 0.018 χ^2 /NDF: 1443894.9/17

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 92.163 $\pm$ 0.019 χ^2 /NDF: 2455689.7/18

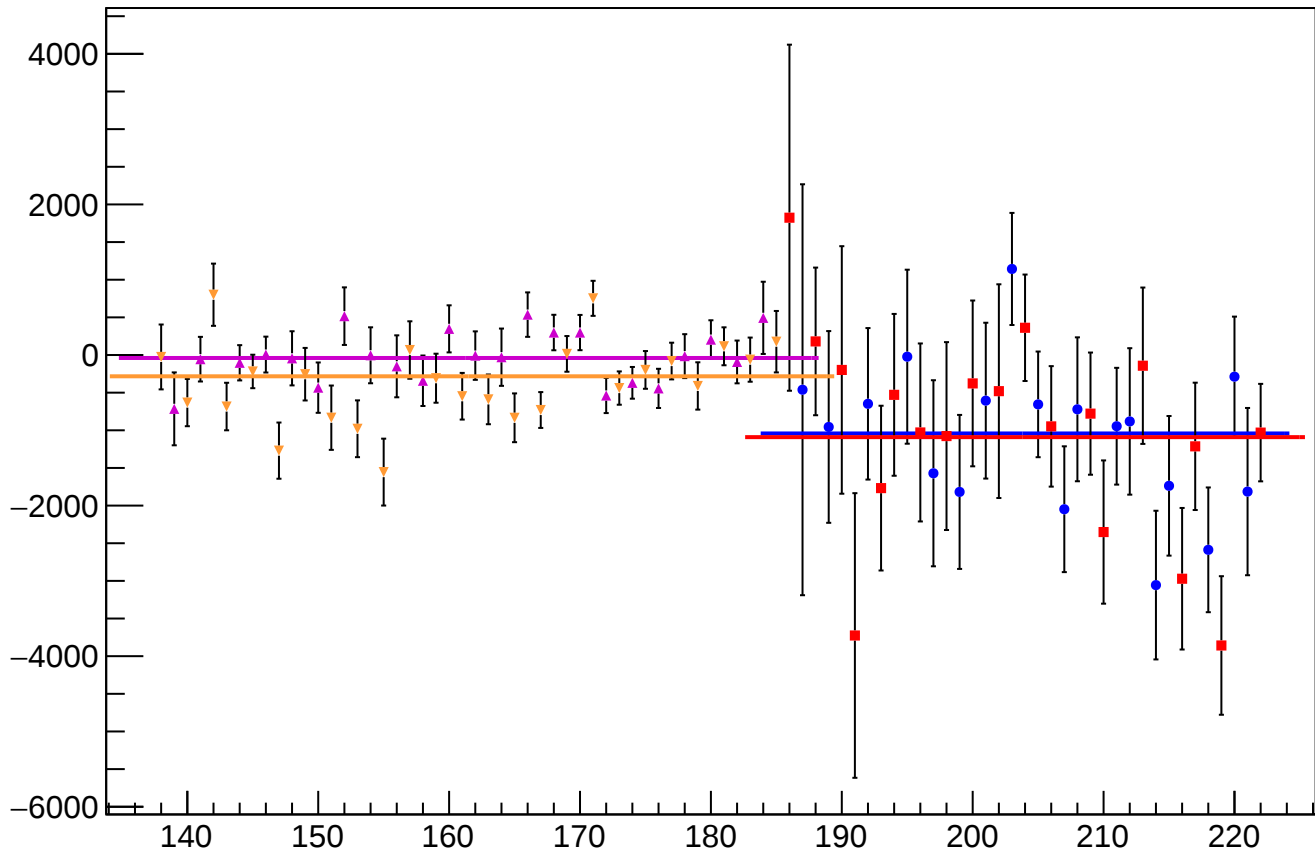
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 54.108 $\pm$ 0.007 χ^2 /NDF: 6191194.9/42

All: 54.429 $\pm$ 0.005 χ^2 /NDF: 13550165.7/84

- sign 54.771 $\pm$ 0.007 χ^2 /NDF: 7354928.3/41

asym_sam_1526_avg_correction_mean vs Slug



Right In: -1042.020 $\pm$ 222.819 χ^2 /NDF: 22.0/17

Left Out: -282.798 $\pm$ 59.690 χ^2 /NDF: 66.5/24

Right Out: -1090.804 $\pm$ 226.624 χ^2 /NDF: 26.9/18

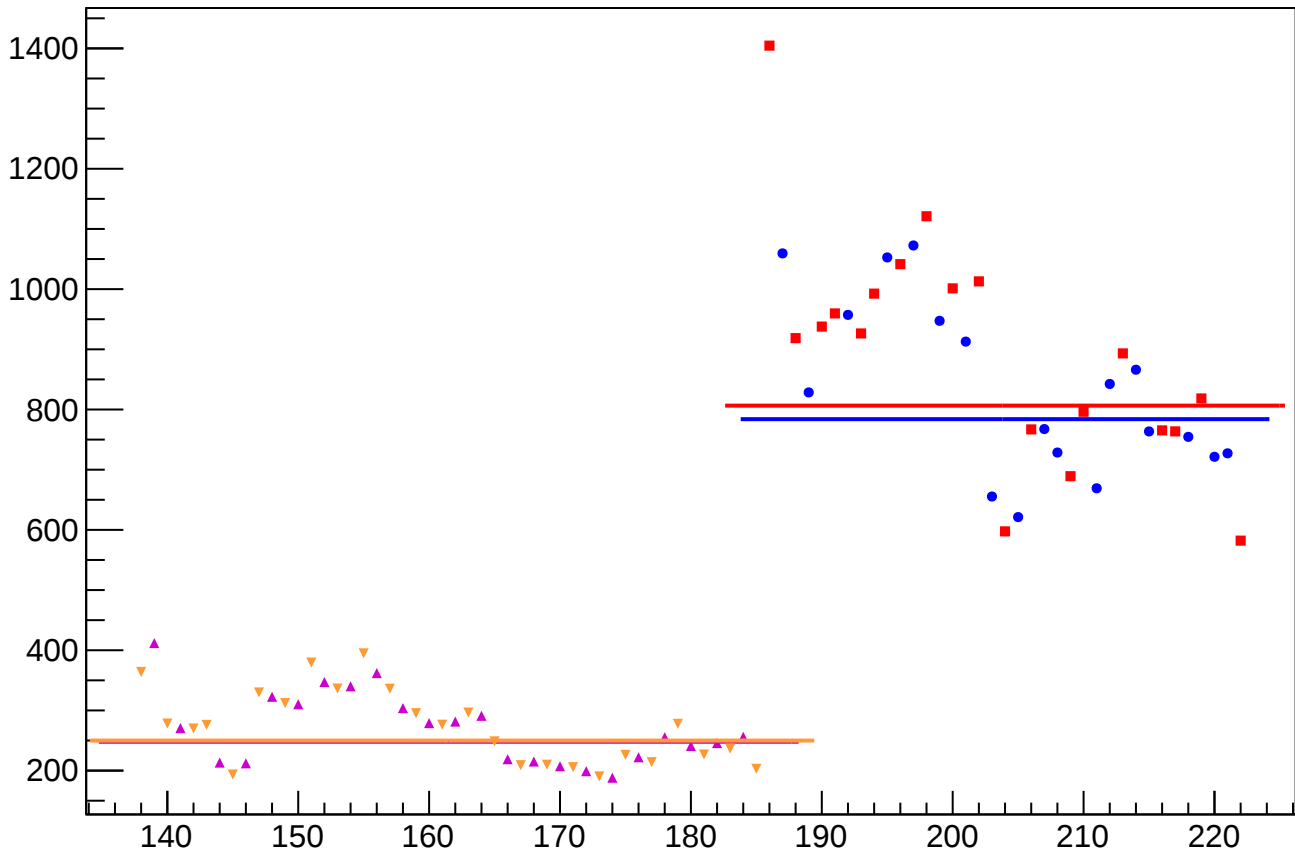
Left In: -39.432 $\pm$ 60.759 χ^2 /NDF: 27.5/22

+ sign -333.634 $\pm$ 57.657 χ^2 /NDF: 99.4/42

All: -223.764 $\pm$ 41.129 χ^2 /NDF: 181.2/84

- sign -109.936 $\pm$ 58.686 χ^2 /NDF: 74.5/41

asym_sam_1526_avg_correction_rms vs Slug



Right In: 783.961 $\pm$ 0.158 χ^2 /NDF: 642016.8/17

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF: 1614205.9/24

Right Out: 806.453 $\pm$ 0.160 χ^2 /NDF: 1067686.7/18

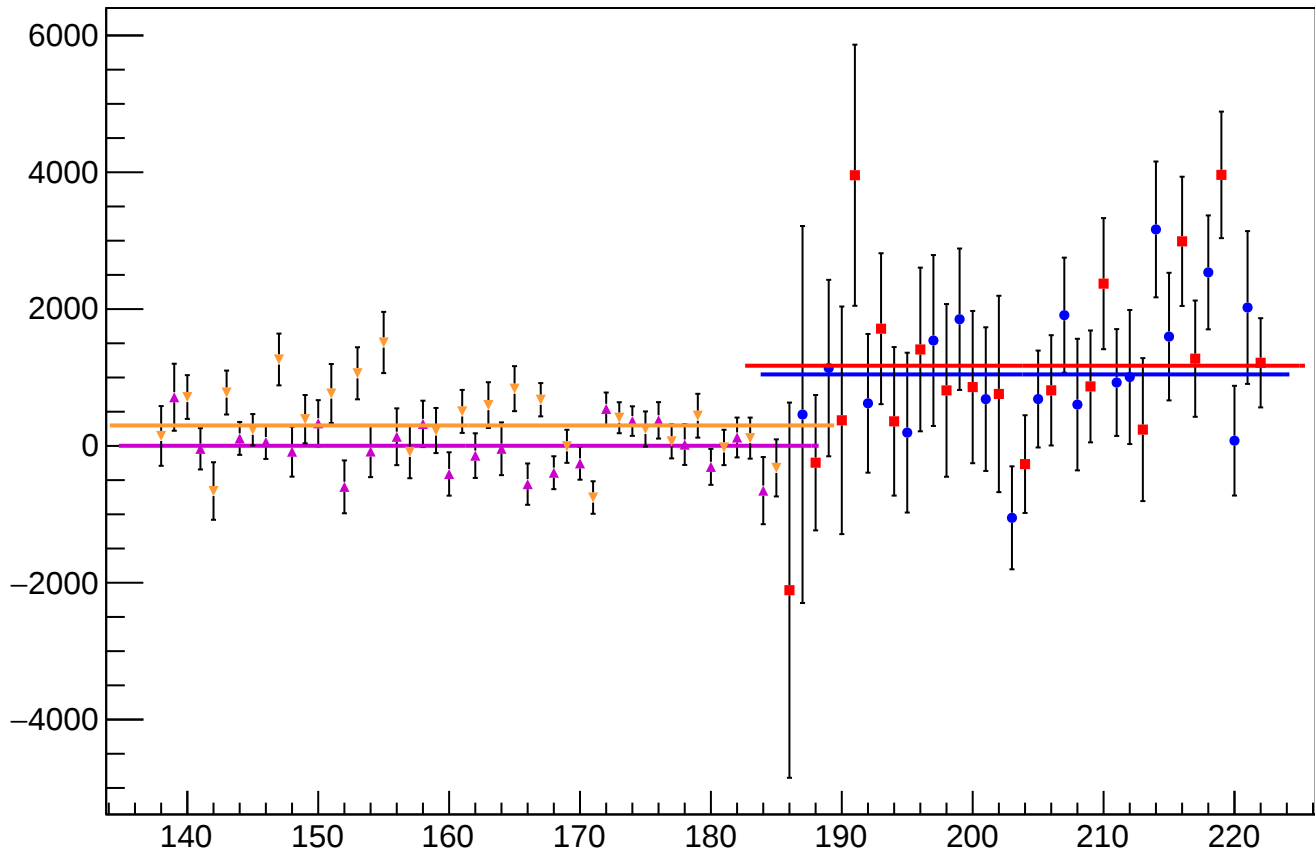
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF: 1410847.5/22

+ sign 285.712 $\pm$ 0.041 χ^2 /NDF: 12974264.9/42

All: 285.545 $\pm$ 0.029 χ^2 /NDF: 26786568.7/84

- sign 285.372 $\pm$ 0.041 χ^2 /NDF: 13812269.7/41

asym_sam_1526_avg_mean vs Slug



Right In: 1045.223+/-224.611 χ^2/NDF : 21.3/17

Left Out: 299.562+/-60.860 χ^2/NDF : 62.5/24

Right Out: 1172.335+/-228.768 χ^2/NDF : 26.5/18

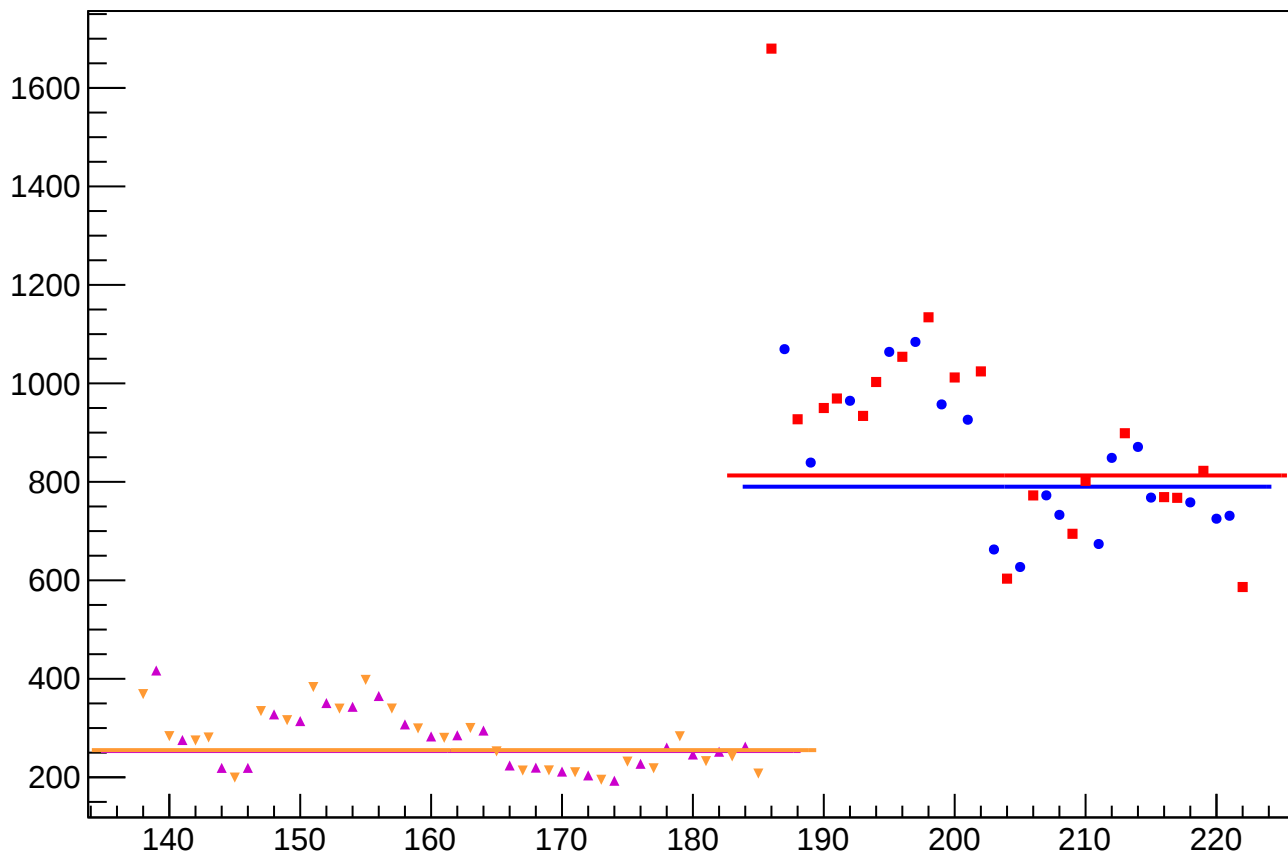
Left In: 2.185+/-62.005 χ^2/NDF : 29.2/22

+ sign 350.562+/-58.742 χ^2/NDF : 94.0/42

All: 218.911+/-41.921 χ^2/NDF : 184.3/84

- sign 82.264+/-59.846 χ^2/NDF : 80.1/41

asym_sam_1526_avg_rms vs Slug



Right In: 790.166+/-0.159 χ^2/NDF : 648187.2/17

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 812.972+/-0.162 χ^2/NDF : 1141309.5/18

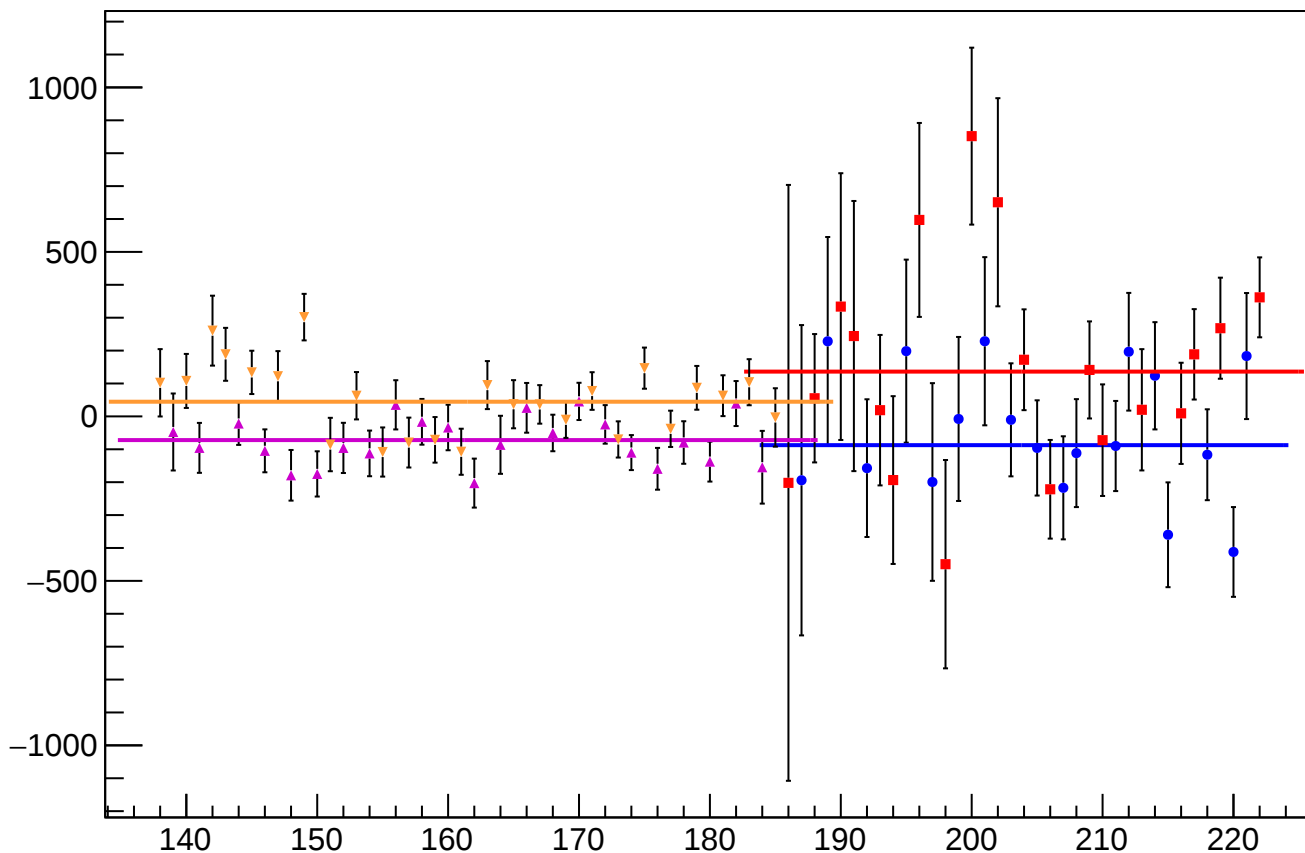
Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

+ sign 291.729+/-0.042 χ^2/NDF : 12762260.9/42

All: 291.660+/-0.030 χ^2/NDF : 26396938.4/84

- sign 291.589+/-0.042 χ^2/NDF : 13634671.8/41

reg_asym_sam_3726_avg_mean vs Slug



Right In: -87.435 $\pm$ 42.753 χ^2/NDF : 19.7/17

Left Out: 44.602 $\pm$ 13.824 χ^2/NDF : 53.9/24

Right Out: 136.138 $\pm$ 43.775 χ^2/NDF : 30.8/18

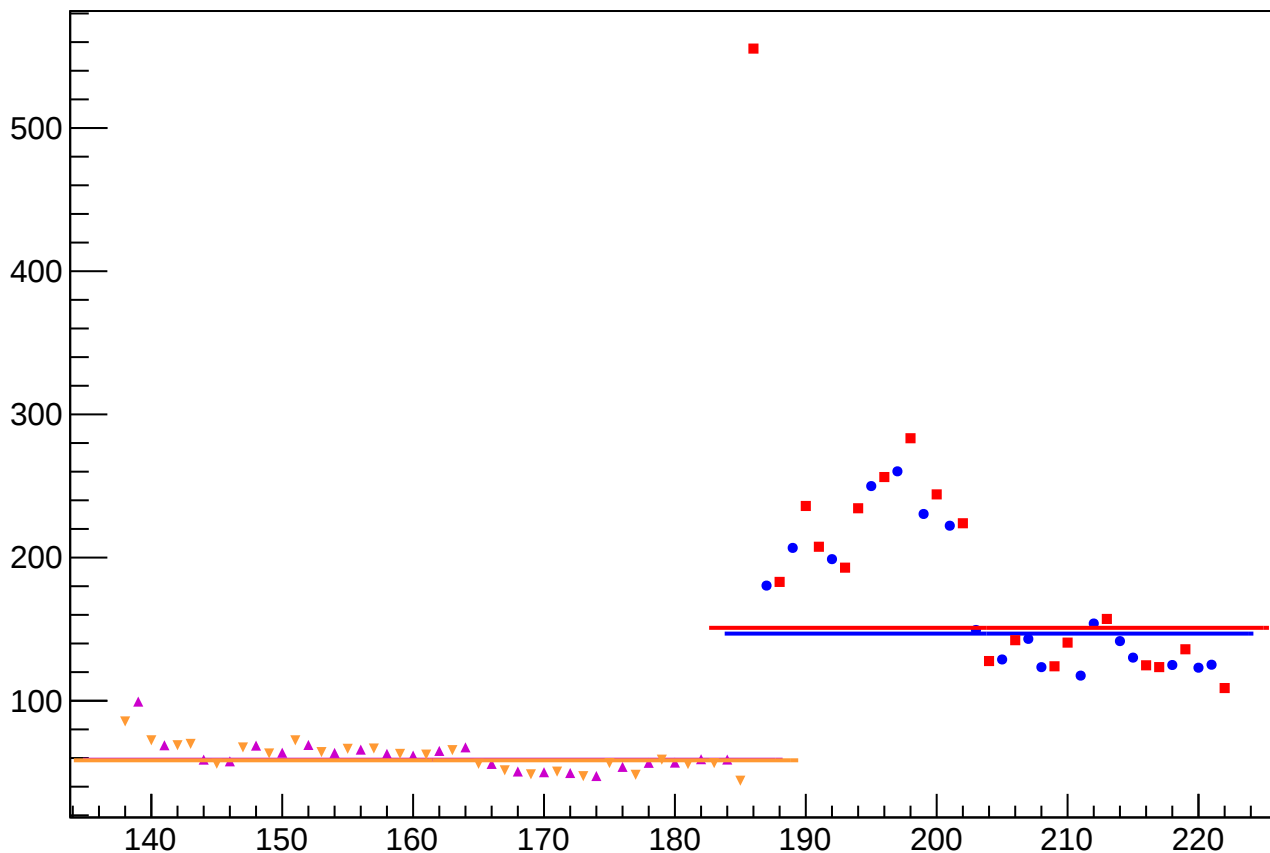
Left In: -72.037 $\pm$ 14.296 χ^2/NDF : 25.3/22

+ sign 32.103 $\pm$ 13.154 χ^2/NDF : 82.3/42

All: -8.564 $\pm$ 9.452 χ^2/NDF : 178.6/84

- sign -51.973 $\pm$ 13.590 χ^2/NDF : 76.6/41

reg_asym_sam_3726_avg_rms vs Slug



Right In: 146.909 $\pm$ 0.030 χ^2 /NDF: 1491930.7/17

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 150.944 $\pm$ 0.031 χ^2 /NDF: 2337588.7/18

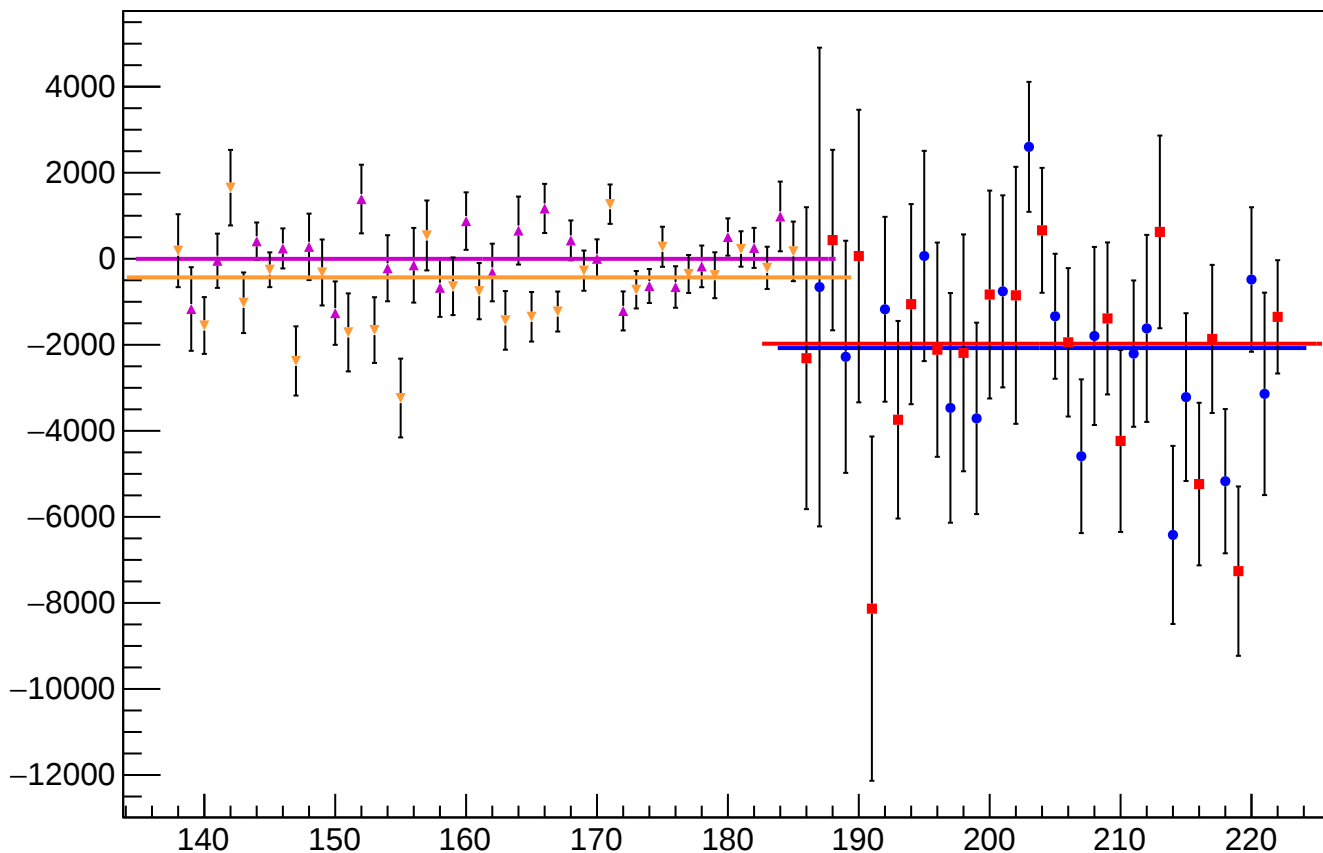
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 66.799 $\pm$ 0.009 χ^2 /NDF: 10038396.0/42

All: 67.243 $\pm$ 0.007 χ^2 /NDF: 21061292.6/84

- sign 67.717 $\pm$ 0.010 χ^2 /NDF: 11018185.2/41

asym_sam_3726_avg_correction_mean vs Slug



Right In: -2075.837 $\pm$ 471.412 χ^2/NDF : 23.3/17

Left Out: -432.330 $\pm$ 114.408 χ^2/NDF : 59.4/24

Right Out: -1974.458 $\pm$ 475.961 χ^2/NDF : 21.5/18

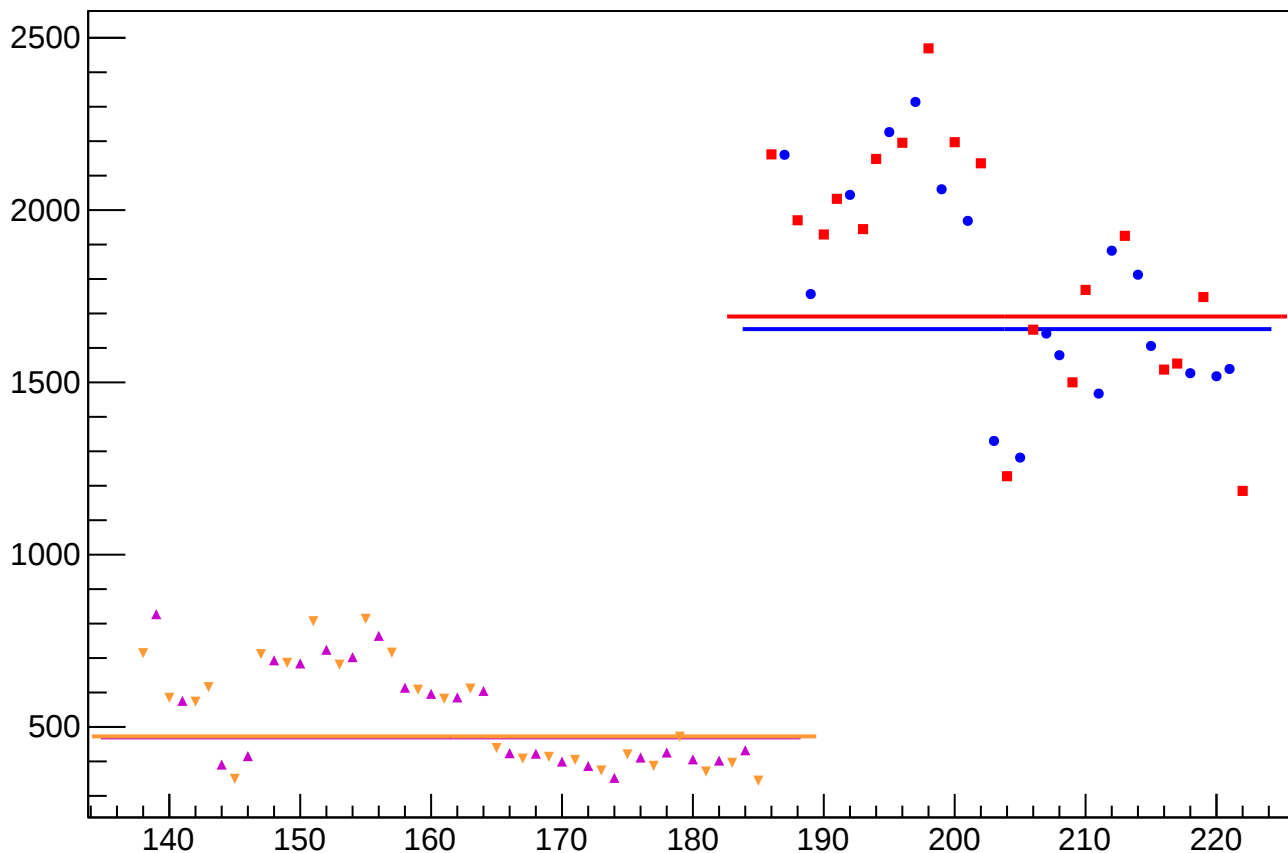
Left In: -1.825 $\pm$ 116.459 χ^2/NDF : 32.3/22

+ sign -523.747 $\pm$ 111.181 χ^2/NDF : 94.2/42

All: -322.053 $\pm$ 79.294 χ^2/NDF : 170.9/84

- sign -113.254 $\pm$ 113.122 χ^2/NDF : 70.0/41

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1654.589 $\pm$ 0.333 χ^2 /NDF: 738404.5/17

Left Out: 472.569 $\pm$ 0.081 χ^2 /NDF: 2508168.9/24

Right Out: 1691.231 $\pm$ 0.337 χ^2 /NDF: 1146879.5/18

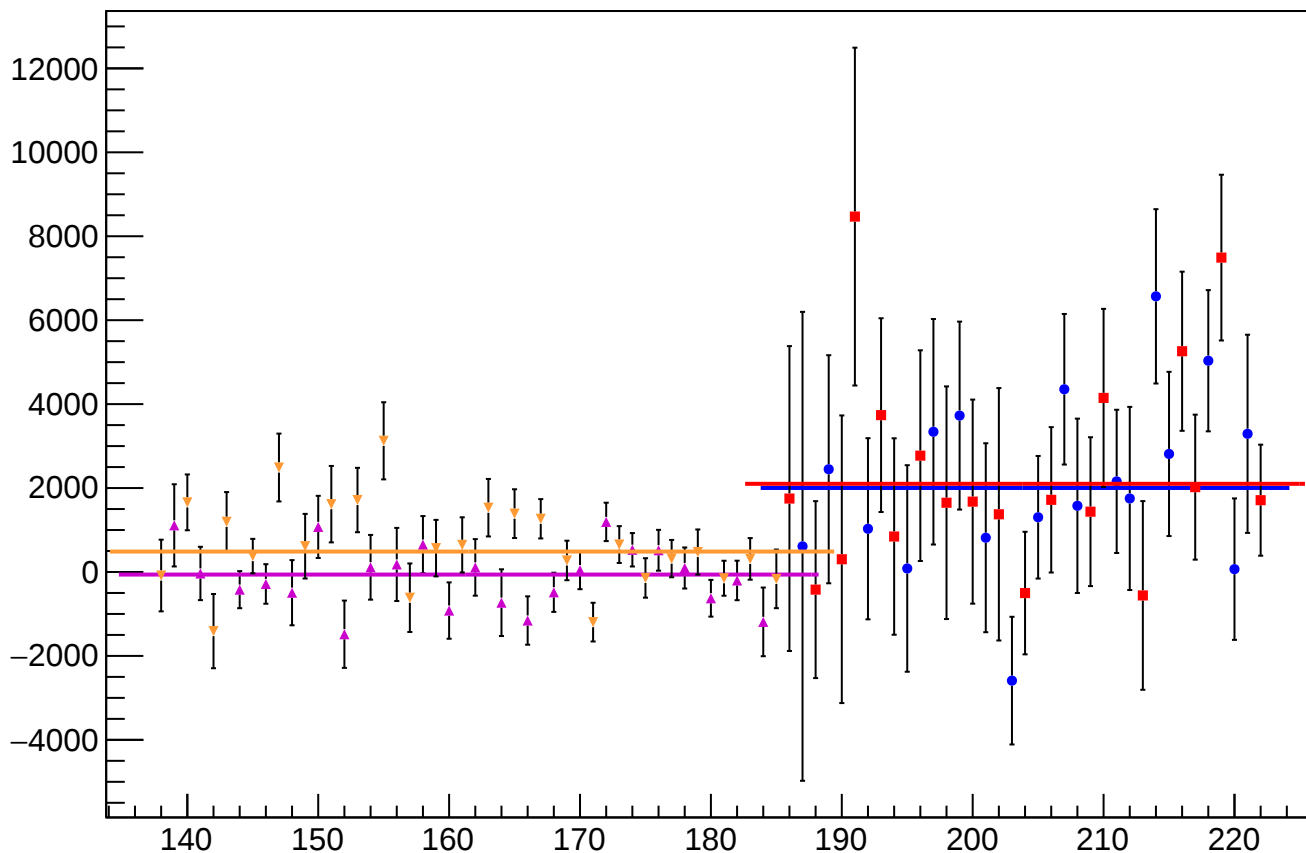
Left In: 469.761 $\pm$ 0.082 χ^2 /NDF: 2116885.7/22

+ sign 538.317 $\pm$ 0.079 χ^2 /NDF: 15121305.7/42

All: 538.534 $\pm$ 0.056 χ^2 /NDF: 30813075.0/84

- sign 538.759 $\pm$ 0.080 χ^2 /NDF: 15691753.8/41

asym_sam_3726_avg_mean vs Slug



Right In: 2001.952 $\pm$ 473.674 χ^2 /NDF: 23.0/17

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: 2100.869 $\pm$ 478.484 χ^2 /NDF: 21.2/18

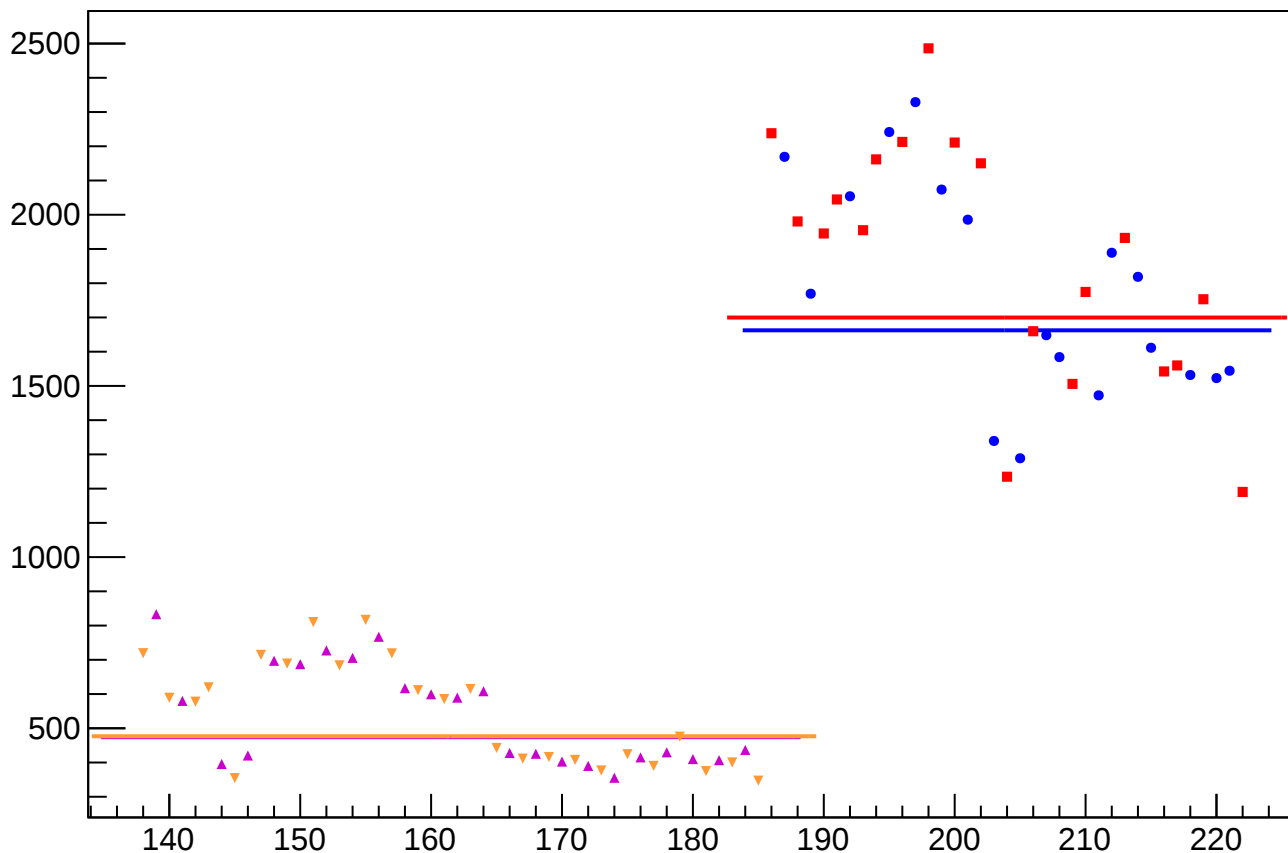
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

+ sign 571.471 $\pm$ 112.071 χ^2 /NDF: 88.7/42

All: 320.791 $\pm$ 79.941 χ^2 /NDF: 170.5/84

- sign 61.122 $\pm$ 114.063 χ^2 /NDF: 71.6/41

asym_sam_3726_avg_rms vs Slug



Right In: 1662.418 $\pm$ 0.335 χ^2 /NDF: 741732.6/17

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF: 2472737.6/24

Right Out: 1699.753 $\pm$ 0.338 χ^2 /NDF: 1160936.8/18

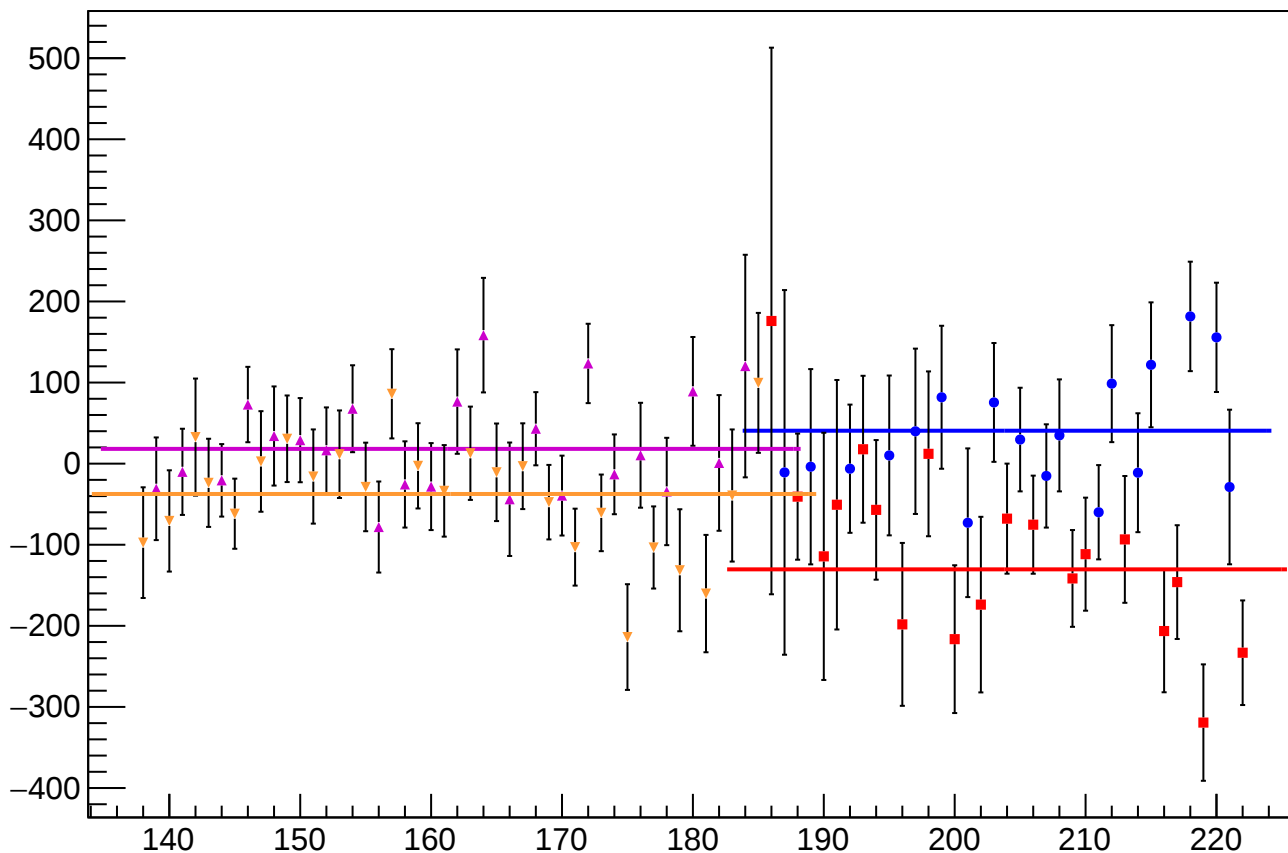
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF: 2087113.7/22

+ sign 543.066 $\pm$ 0.079 χ^2 /NDF: 15045480.3/42

All: 543.348 $\pm$ 0.057 χ^2 /NDF: 30673095.2/84

- sign 543.640 $\pm$ 0.081 χ^2 /NDF: 15627589.2/41

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 40.605 ± 18.333 $\chi^2/\text{NDF}: 16.5/17$

Left Out: -37.413 ± 11.390 $\chi^2/\text{NDF}: 30.5/24$

Right Out: -130.360 ± 18.661 $\chi^2/\text{NDF}: 21.9/18$

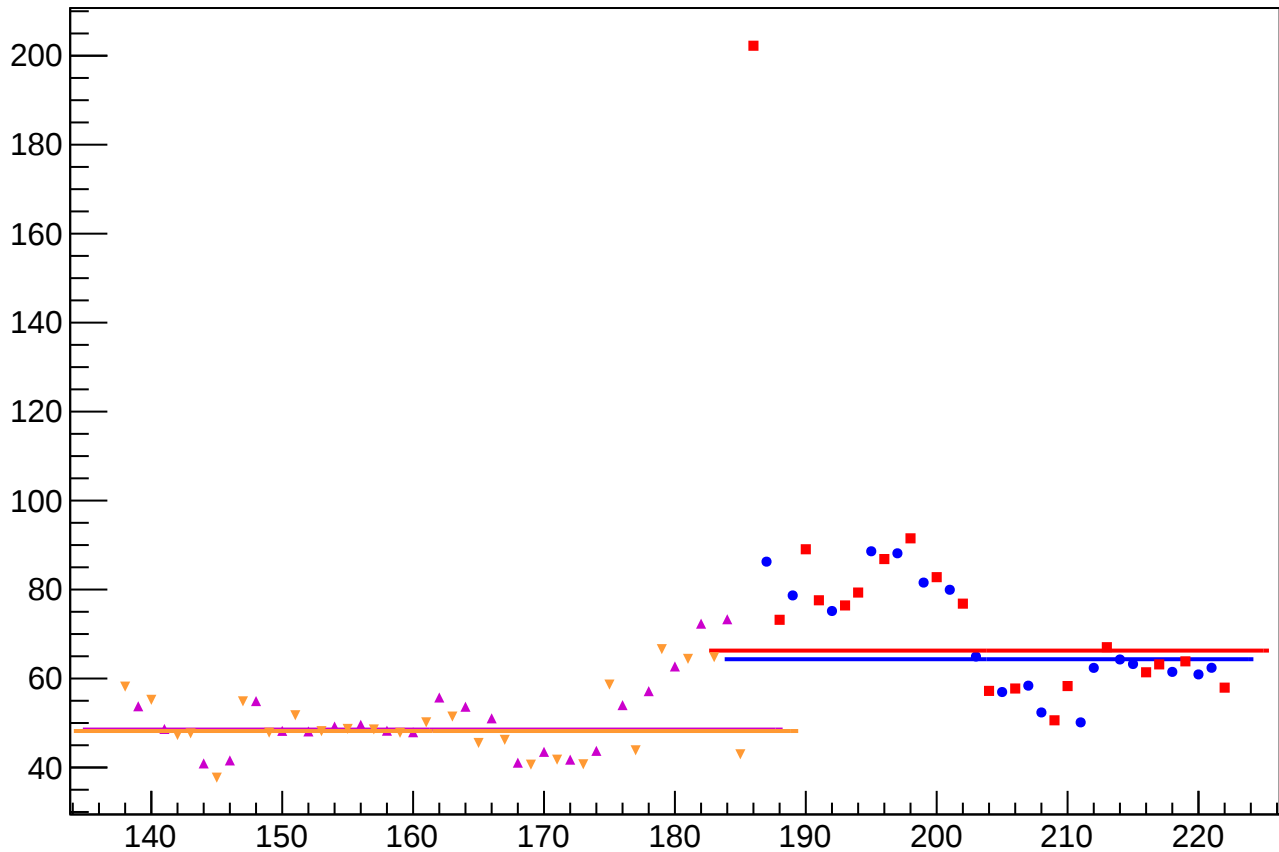
Left In: 18.210 ± 11.788 $\chi^2/\text{NDF}: 23.0/22$

+ sign -15.686 ± 9.675 $\chi^2/\text{NDF}: 60.0/42$

All: -19.799 ± 6.942 $\chi^2/\text{NDF}: 150.5/84$

- sign -24.164 ± 9.966 $\chi^2/\text{NDF}: 90.2/41$

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 64.337 $\pm$ 0.013 χ^2 /NDF: 684589.8/17

Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24

Right Out: 66.277 $\pm$ 0.013 χ^2 /NDF: 1047234.9/18

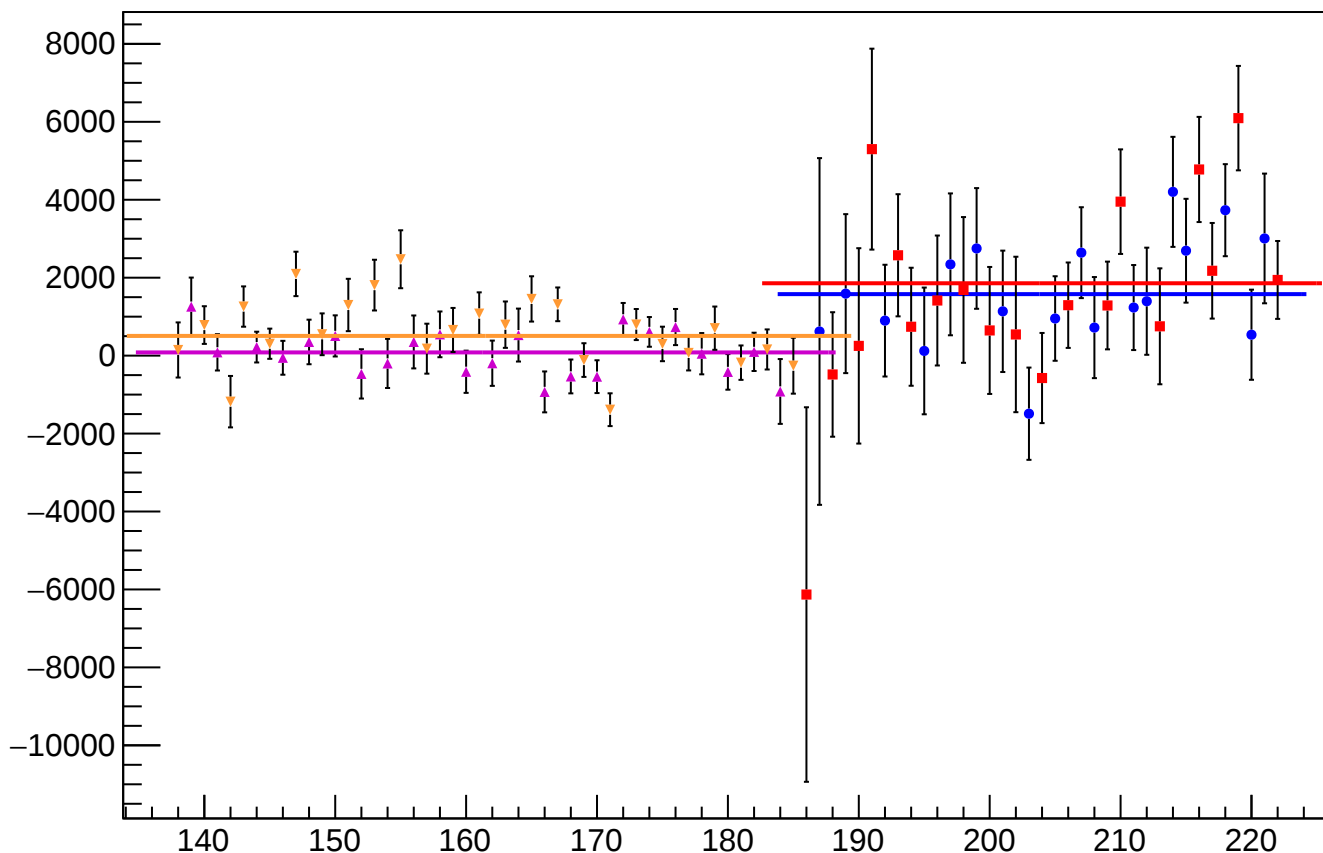
Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

+ sign 52.694 $\pm$ 0.007 χ^2 /NDF: 2552870.4/42

All: 53.128 $\pm$ 0.005 χ^2 /NDF: 5577266.3/84

- sign 53.589 $\pm$ 0.007 χ^2 /NDF: 3016076.7/41

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1578.183 $\pm$ 325.452 χ^2 /NDF: 19.4/17

Left Out: 506.205 $\pm$ 103.468 χ^2 /NDF: 65.7/24

Right Out: 1857.066 $\pm$ 333.152 χ^2 /NDF: 31.6/18

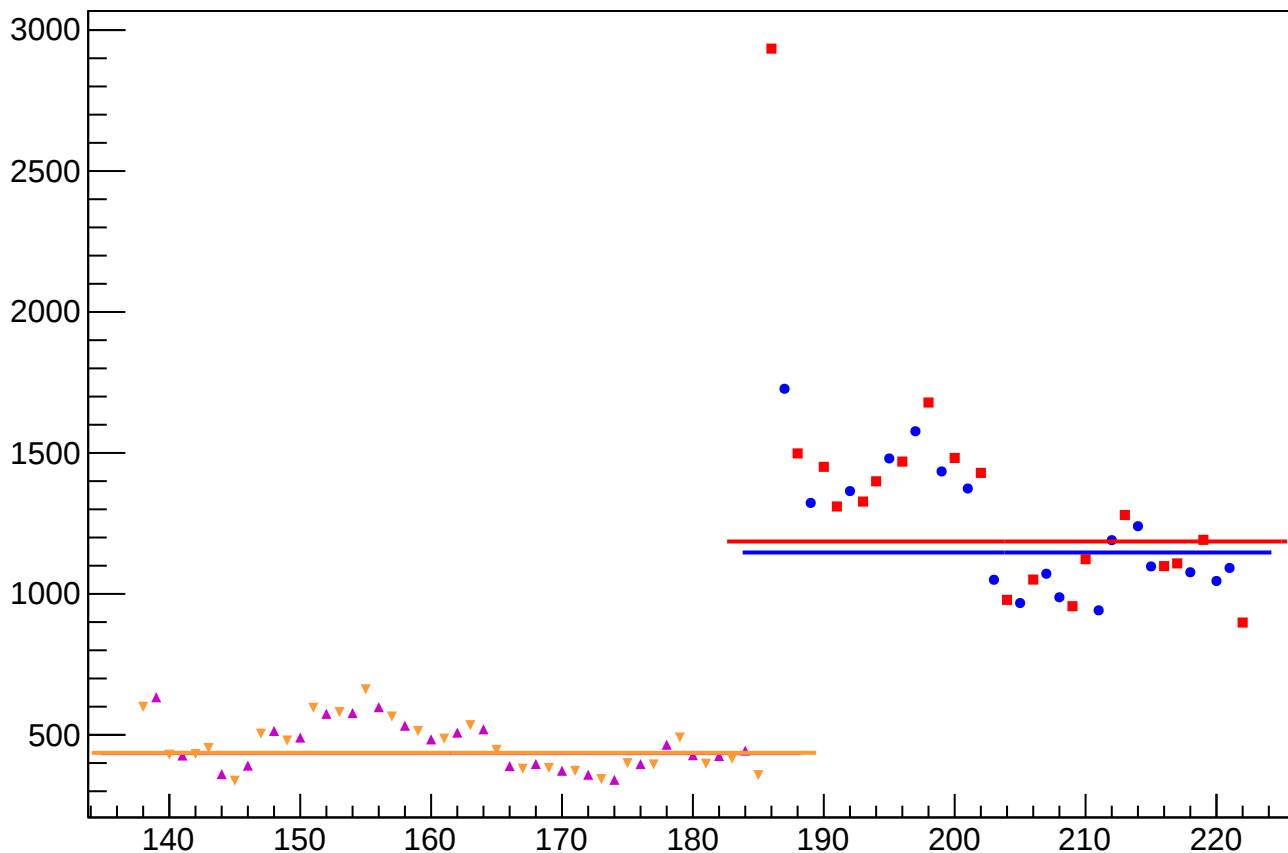
Left In: 82.421 $\pm$ 105.935 χ^2 /NDF: 25.3/22

+ sign 604.607 $\pm$ 98.604 χ^2 /NDF: 94.9/42

All: 429.223 $\pm$ 70.540 χ^2 /NDF: 184.1/84

- sign 245.379 $\pm$ 100.954 χ^2 /NDF: 82.7/41

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1146.860 $\pm$ 0.230 χ^2 /NDF: 617503.2/17

Left Out: 436.301 $\pm$ 0.073 χ^2 /NDF: 1179348.4/24

Right Out: 1185.974 $\pm$ 0.236 χ^2 /NDF: 1088717.2/18

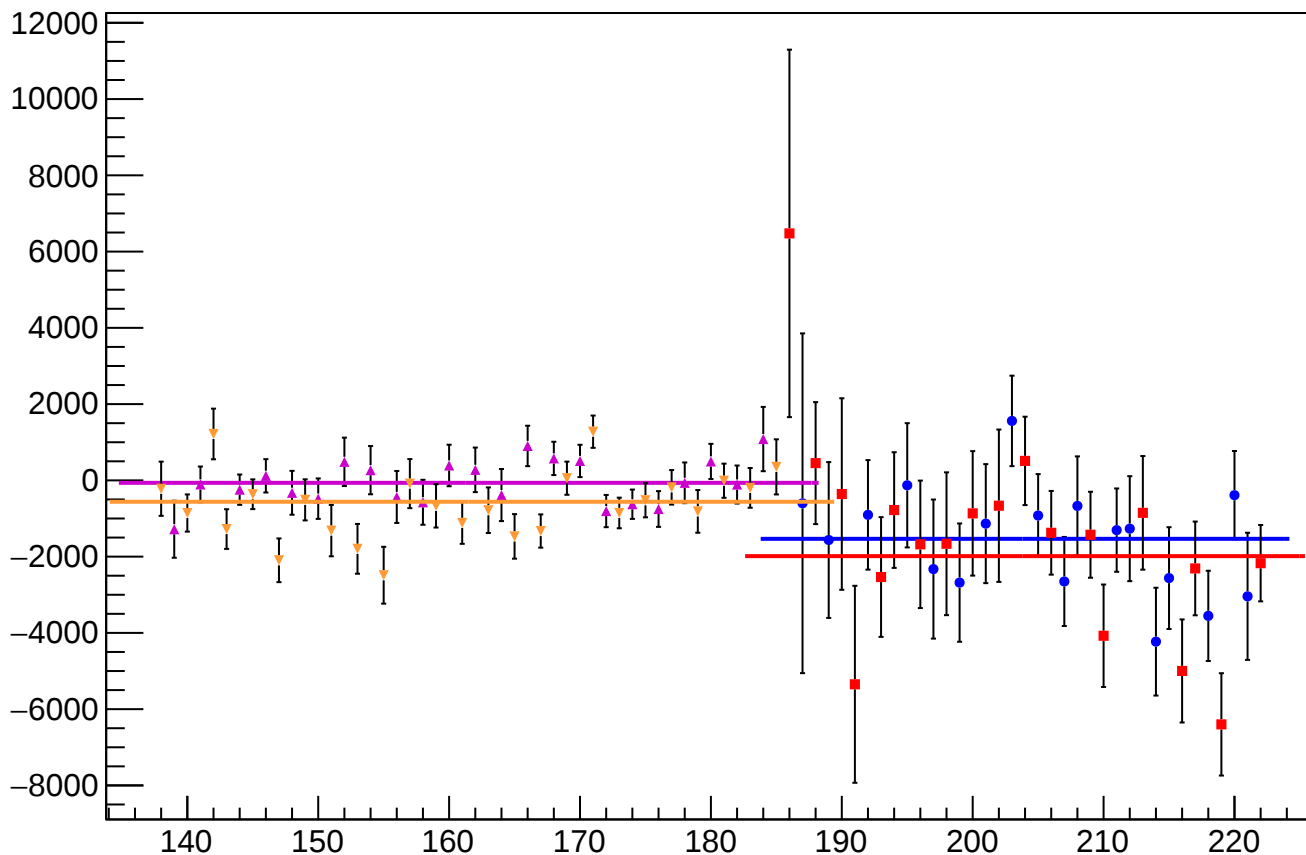
Left In: 435.275 $\pm$ 0.075 χ^2 /NDF: 1027713.1/22

+ sign 501.527 $\pm$ 0.070 χ^2 /NDF: 10455272.1/42

All: 502.836 $\pm$ 0.050 χ^2 /NDF: 21794881.1/84

- sign 504.209 $\pm$ 0.071 χ^2 /NDF: 11338886.8/41

asym_sam_15_48_dd_mean vs Slug



Right In: -1533.065 ± 325.998 χ^2/NDF : 19.3/17

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -1987.011 ± 333.710 χ^2/NDF : 33.3/18

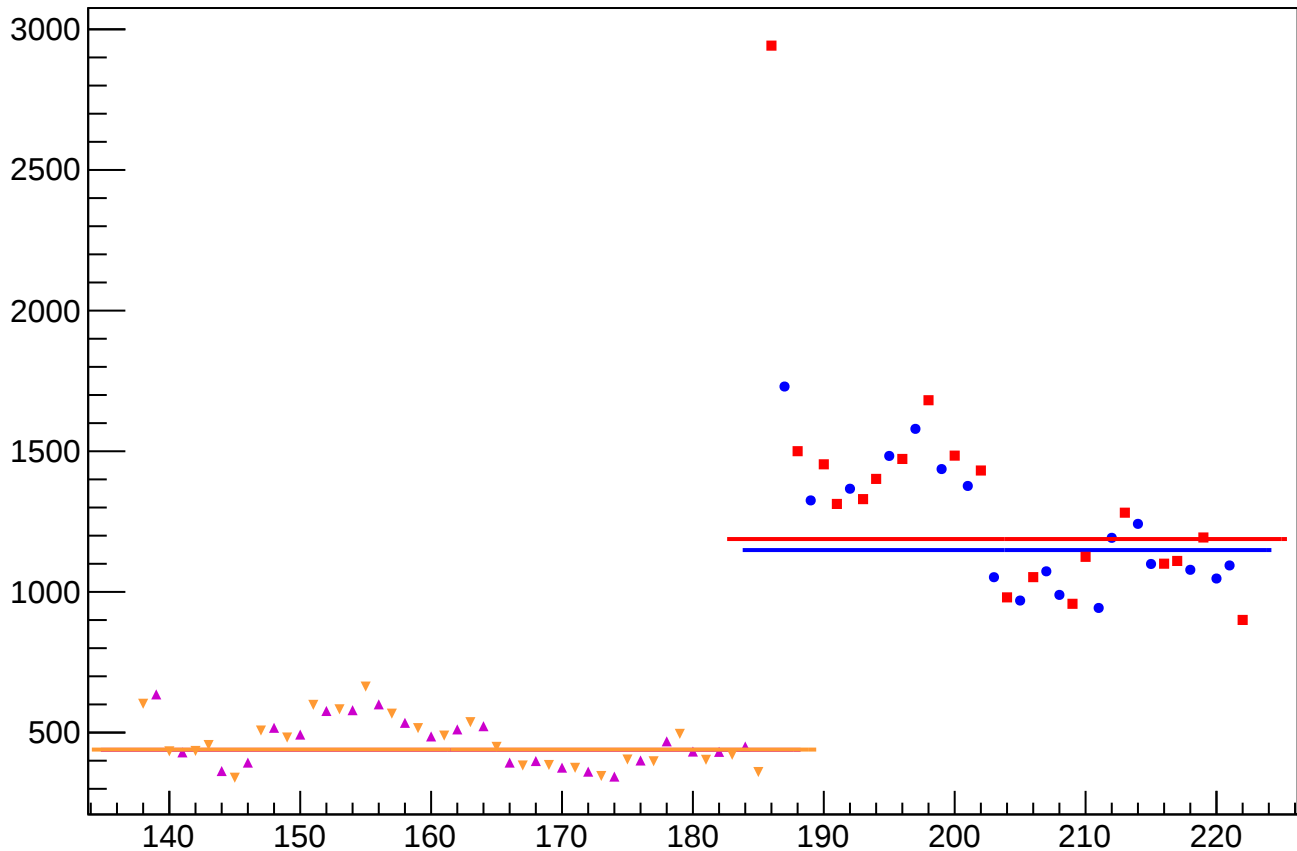
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -650.831 ± 99.259 χ^2/NDF : 89.1/42

All: -451.705 ± 71.013 χ^2/NDF : 186.0/84

- sign -242.922 ± 101.638 χ^2/NDF : 88.6/41

asym_sam_15_48_dd_rms vs Slug



Right In: 1148.778 $\pm$ 0.231 χ^2 /NDF: 617834.0/17

Left Out: 439.527 $\pm$ 0.074 χ^2 /NDF: 1163352.8/24

Right Out: 1187.967 $\pm$ 0.236 χ^2 /NDF: 1088679.1/18

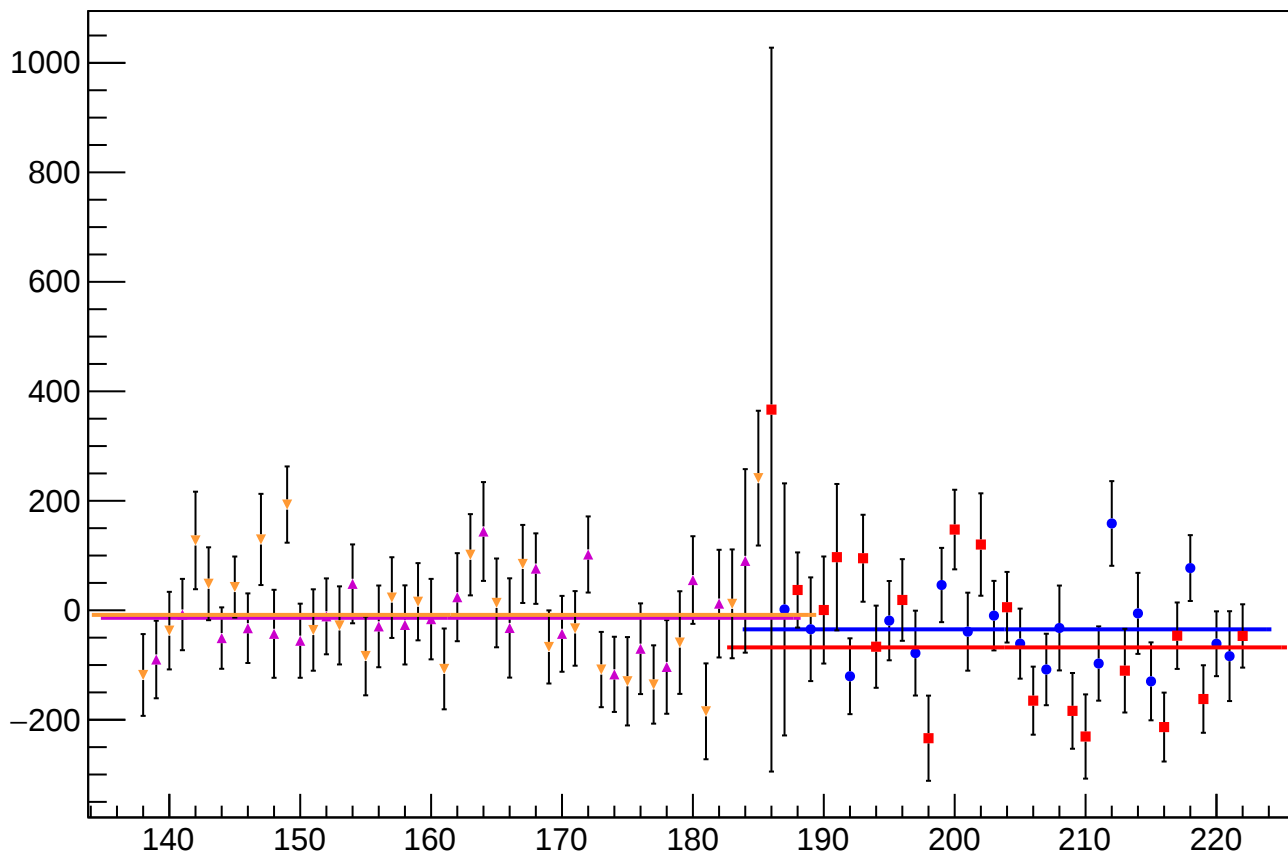
Left In: 438.548 $\pm$ 0.075 χ^2 /NDF: 1013071.4/22

+ sign 505.280 $\pm$ 0.070 χ^2 /NDF: 10370312.8/42

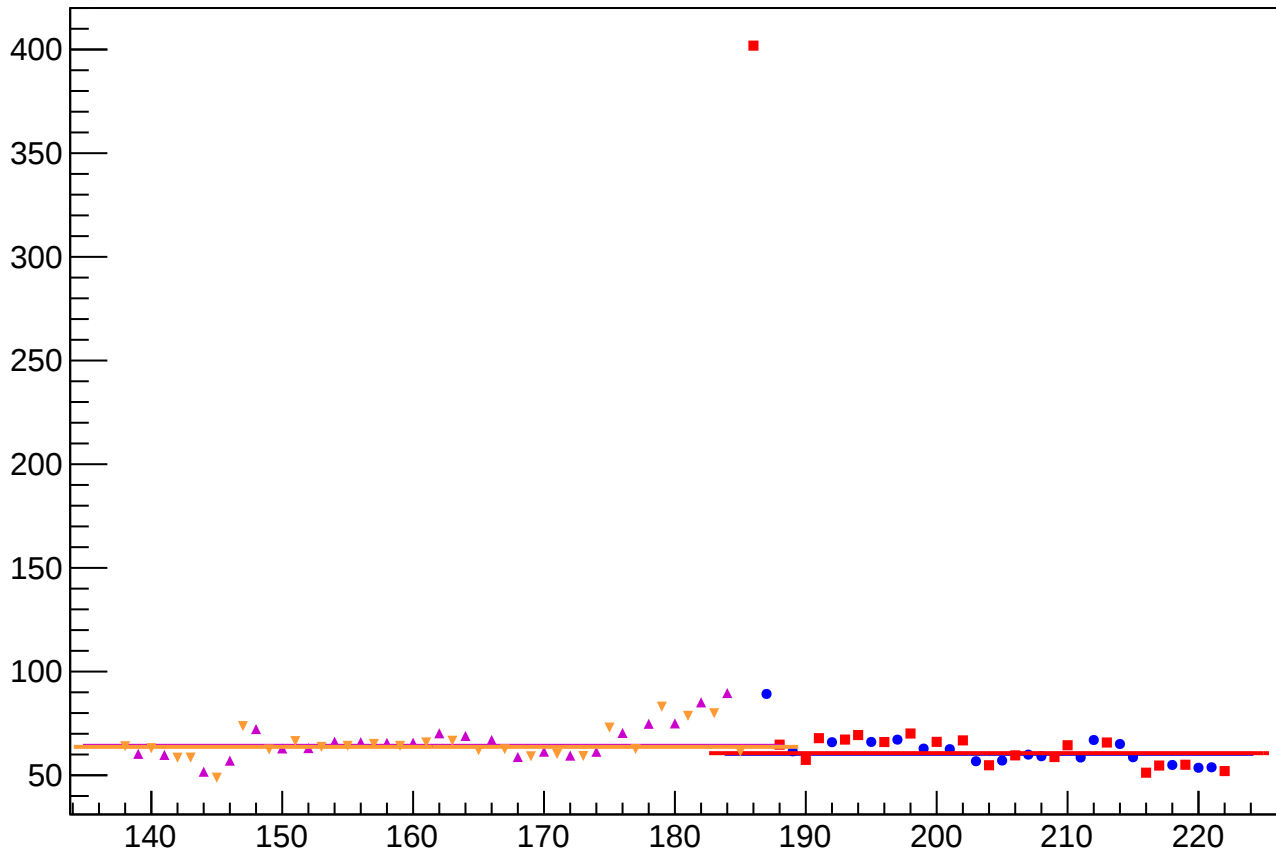
All: 506.640 $\pm$ 0.050 χ^2 /NDF: 21623688.3/84

- sign 508.066 $\pm$ 0.072 χ^2 /NDF: 11252606.4/41

reg_asym_sam_37_48_dd_mean vs Slug



reg_asym_sam_37_48_dd_rms vs Slug



Right In: 60.339 $\pm$ 0.012 χ^2 /NDF: 169338.0/17

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 60.646 $\pm$ 0.012 χ^2 /NDF: 805958.9/18

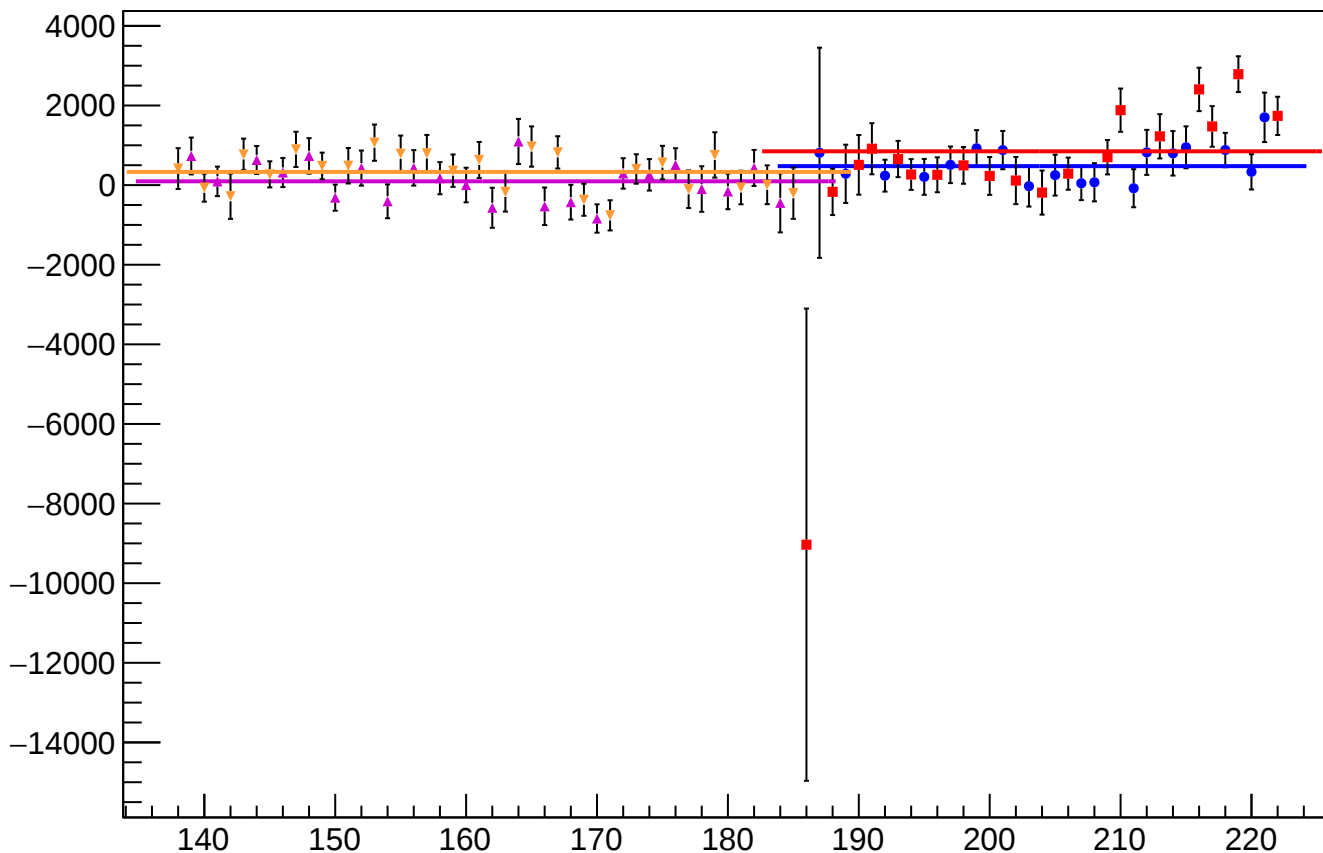
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 62.229 $\pm$ 0.008 χ^2 /NDF: 661933.7/42

All: 62.399 $\pm$ 0.006 χ^2 /NDF: 1946242.1/84

- sign 62.575 $\pm$ 0.008 χ^2 /NDF: 1283375.0/41

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 476.347 $\pm$ 117.900 χ^2 /NDF: 13.1/17

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF: 29.9/24

Right Out: 849.347 $\pm$ 116.454 χ^2 /NDF: 55.4/18

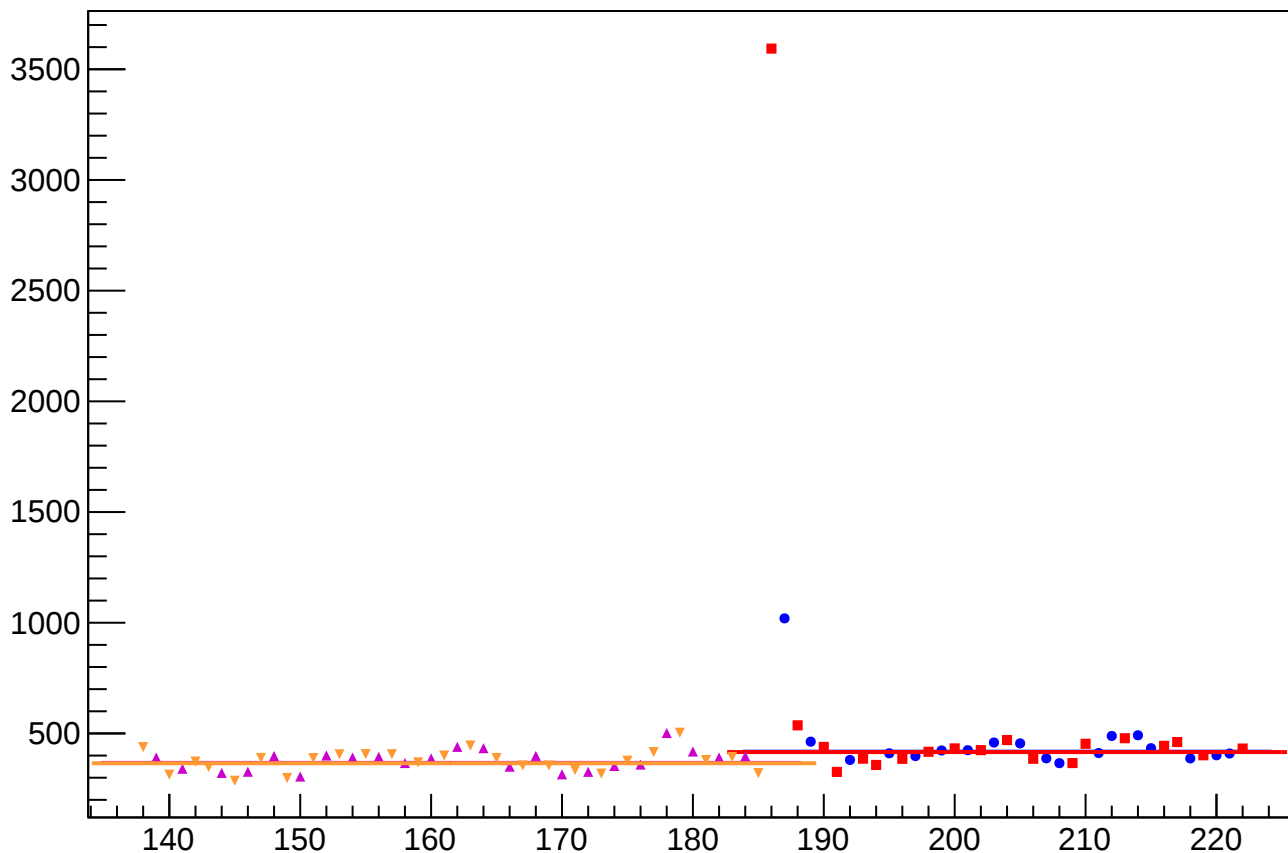
Left In: 95.910 $\pm$ 88.656 χ^2 /NDF: 28.7/22

+ sign 382.013 $\pm$ 69.517 χ^2 /NDF: 44.0/42

All: 377.257 $\pm$ 49.514 χ^2 /NDF: 154.5/84

- sign 372.359 $\pm$ 70.540 χ^2 /NDF: 110.6/41

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 417.470 $\pm$ 0.083 χ^2 /NDF: 272866.1/17

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 415.835 $\pm$ 0.082 χ^2 /NDF: 884400.7/18

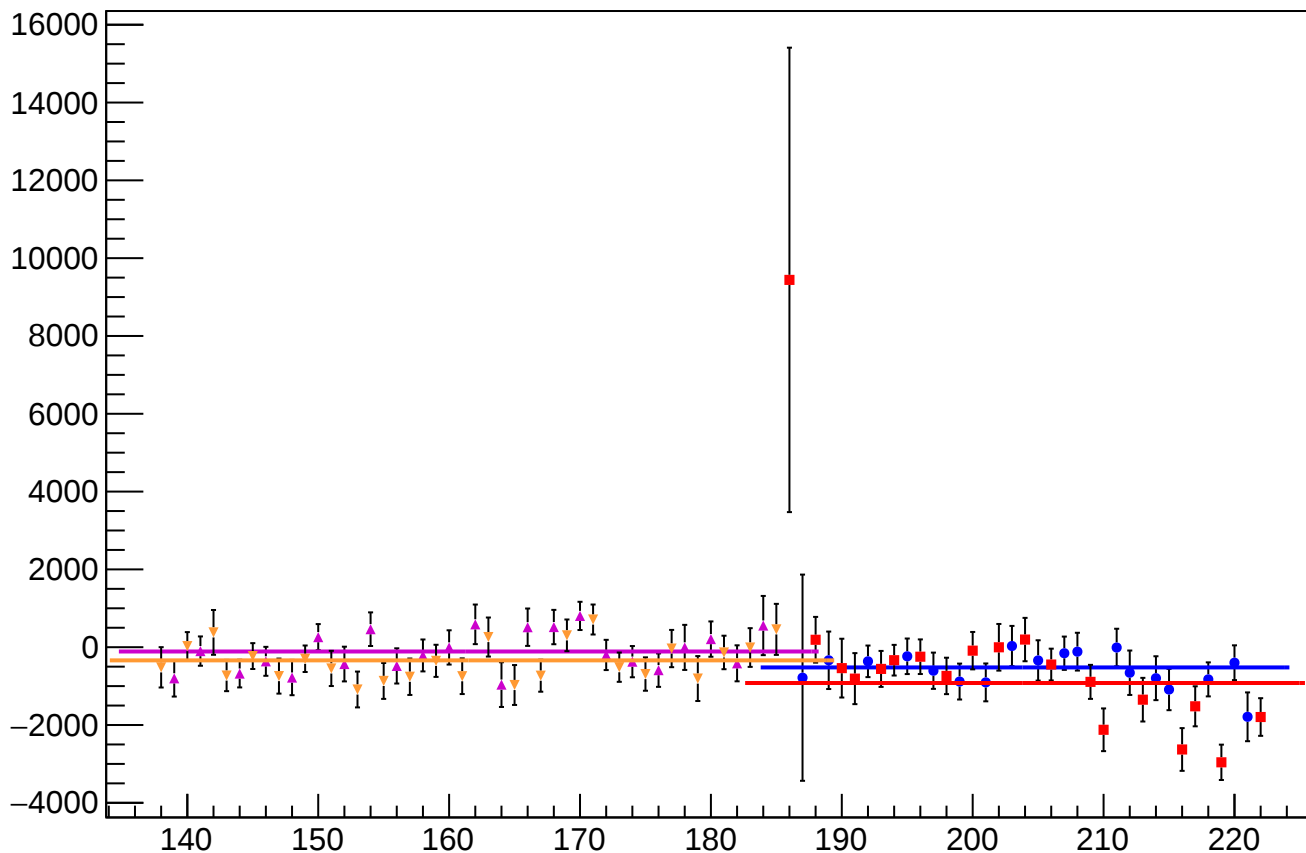
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 383.474 $\pm$ 0.049 χ^2 /NDF: 1146236.2/42

All: 384.162 $\pm$ 0.035 χ^2 /NDF: 2732467.9/84

- sign 384.871 $\pm$ 0.050 χ^2 /NDF: 1585833.6/41

asym_sam_37_48_dd_mean vs Slug



Right In: -519.874 ± 119.225 χ^2/NDF : 11.8/17

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -920.250 ± 117.853 χ^2/NDF : 62.7/18

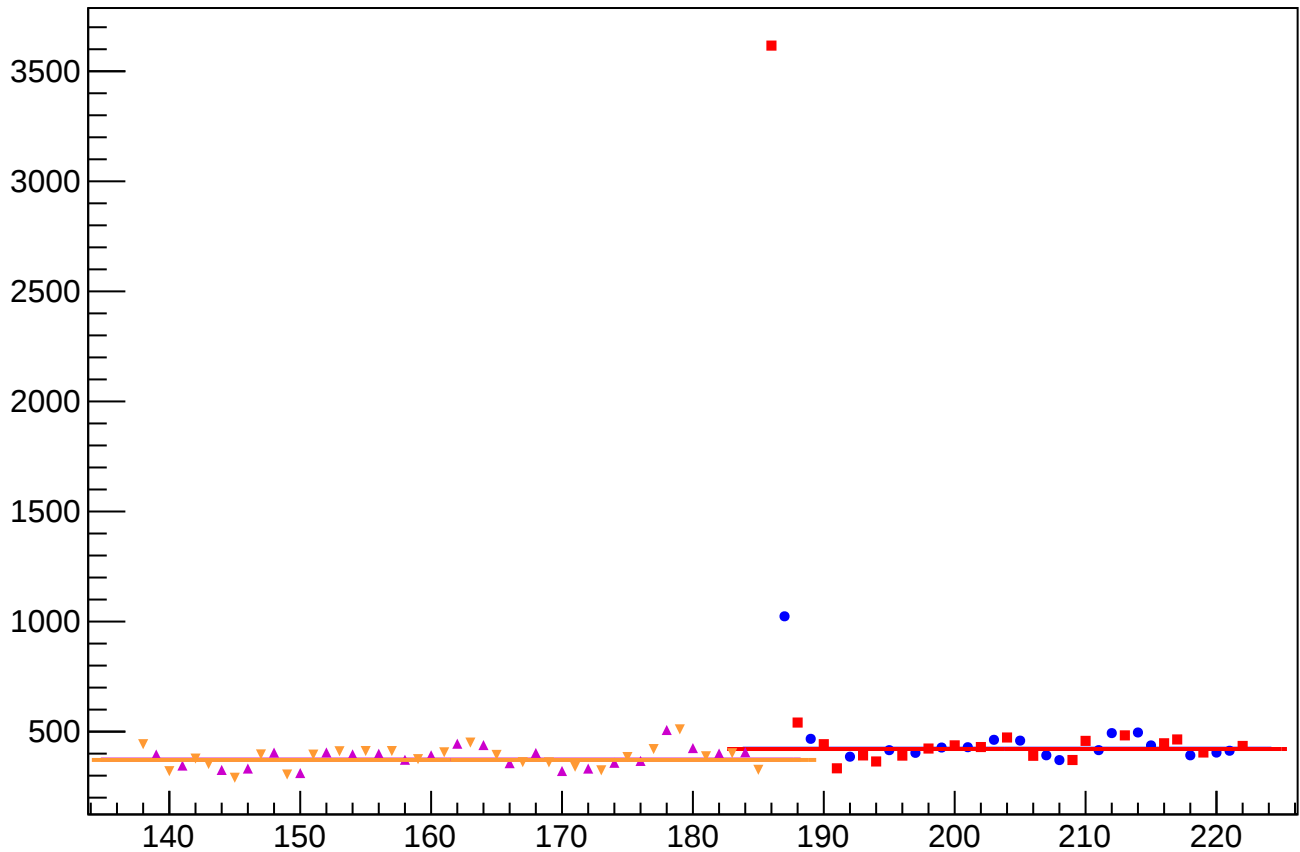
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -401.964 ± 70.515 χ^2/NDF : 41.5/42

All: -405.445 ± 50.231 χ^2/NDF : 163.2/84

- sign -409.030 ± 71.570 χ^2/NDF : 121.7/41

asym_sam_37_48_dd_rms vs Slug



Right In: 422.295+/-0.084 χ^2/NDF : 265355.0/17

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 421.015+/-0.083 χ^2/NDF : 866831.9/18

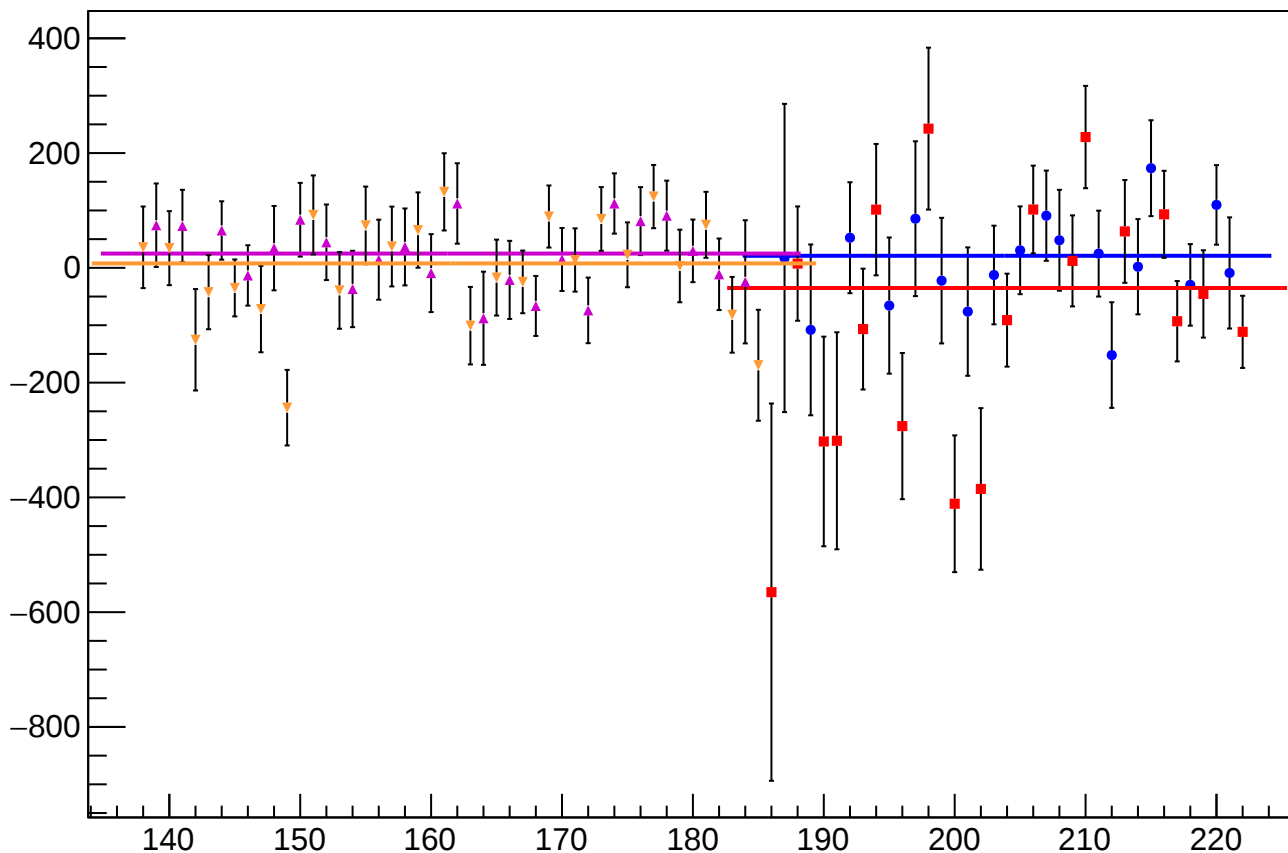
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 389.175+/-0.050 χ^2/NDF : 1106801.1/42

All: 389.910+/-0.036 χ^2/NDF : 2651506.2/84

- sign 390.668+/-0.051 χ^2/NDF : 1544263.0/41

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 21.009 $\pm$ 21.564 χ^2 /NDF: 12.7/17

Left Out: 7.723 $\pm$ 12.656 χ^2 /NDF: 45.4/24

Right Out: -35.114 $\pm$ 21.804 χ^2 /NDF: 51.4/18

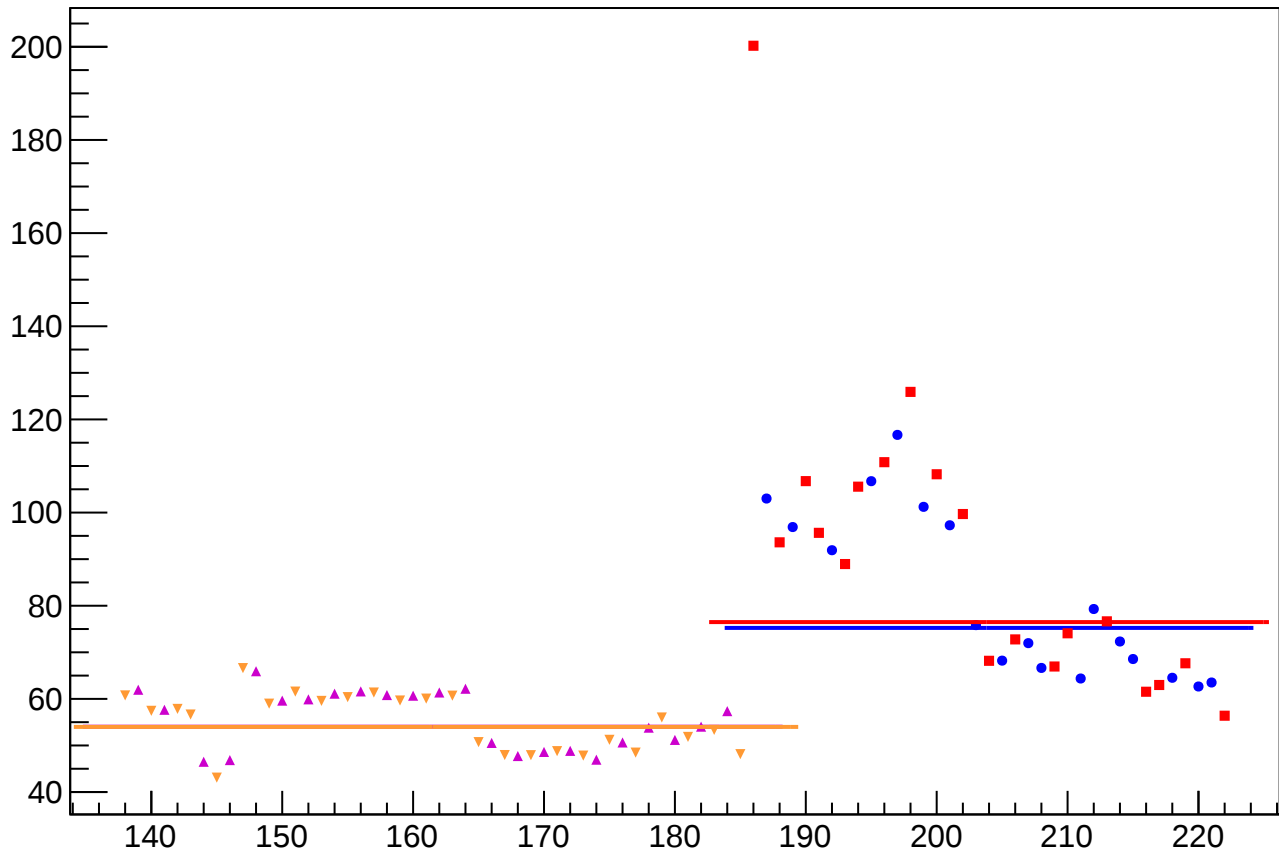
Left In: 24.887 $\pm$ 13.029 χ^2 /NDF: 19.7/22

+ sign 11.127 $\pm$ 10.915 χ^2 /NDF: 58.4/42

All: 10.139 $\pm$ 7.811 χ^2 /NDF: 135.1/84

- sign 9.101 $\pm$ 11.184 χ^2 /NDF: 76.7/41

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 75.241 $\pm$ 0.015 χ^2 /NDF: 884667.6/17

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 76.489 $\pm$ 0.015 χ^2 /NDF: 1601535.8/18

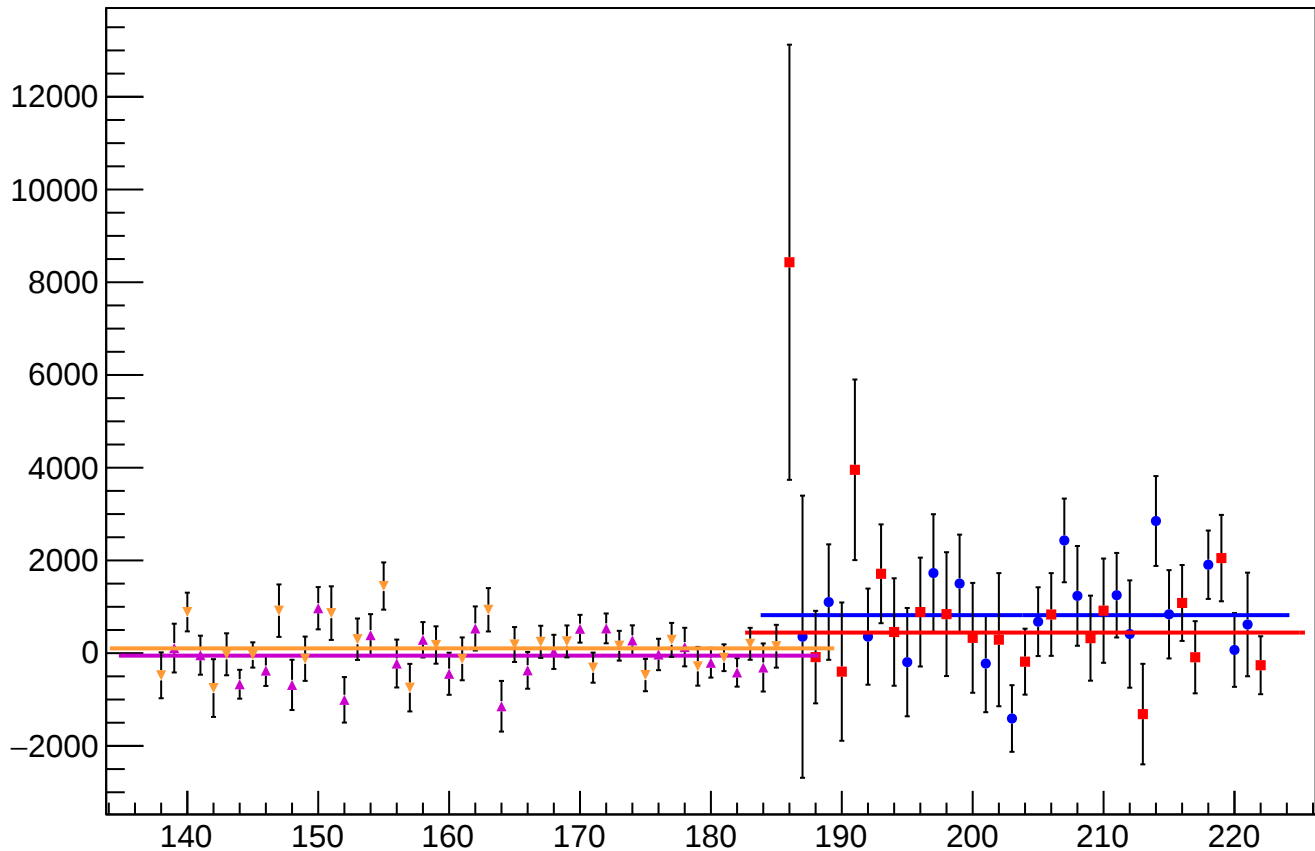
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 59.430 $\pm$ 0.008 χ^2 /NDF: 2789212.1/42

All: 59.677 $\pm$ 0.006 χ^2 /NDF: 6400576.0/84

- sign 59.937 $\pm$ 0.008 χ^2 /NDF: 3609252.9/41

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 820.077+/-229.278 χ^2/NDF : 23.8/17

Left Out: 103.768+/-79.344 χ^2/NDF : 31.0/24

Right Out: 443.974+/-230.670 χ^2/NDF : 17.5/18

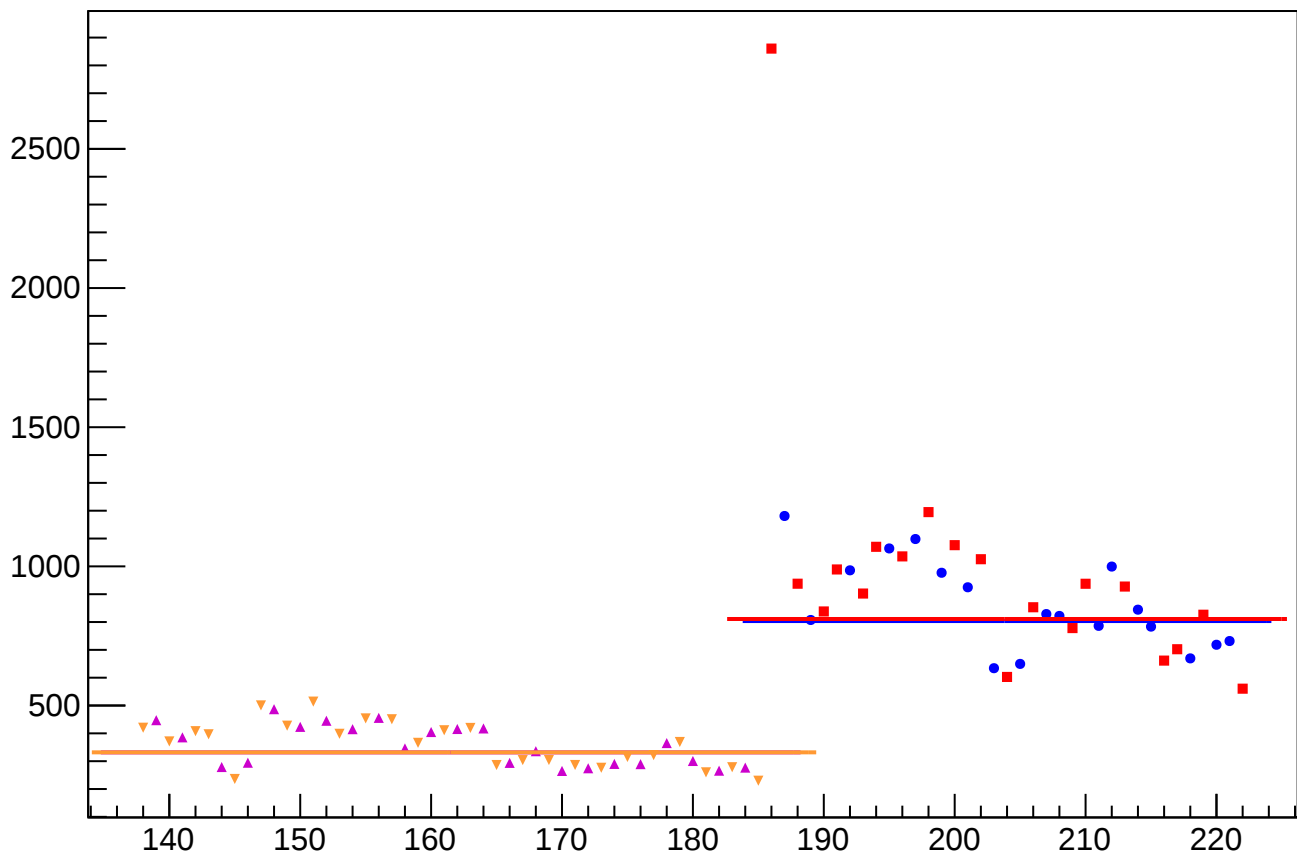
Left In: -53.493+/-81.201 χ^2/NDF : 34.1/22

+ sign 180.377+/-74.981 χ^2/NDF : 63.5/42

All: 92.771+/-53.581 χ^2/NDF : 122.0/84

- sign 1.356+/-76.594 χ^2/NDF : 55.8/41

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 803.537 $\pm$ 0.162 χ^2 /NDF: 740092.6/17

Left Out: 331.770 $\pm$ 0.056 χ^2 /NDF: 1711721.9/24

Right Out: 810.920 $\pm$ 0.163 χ^2 /NDF: 1584382.9/18

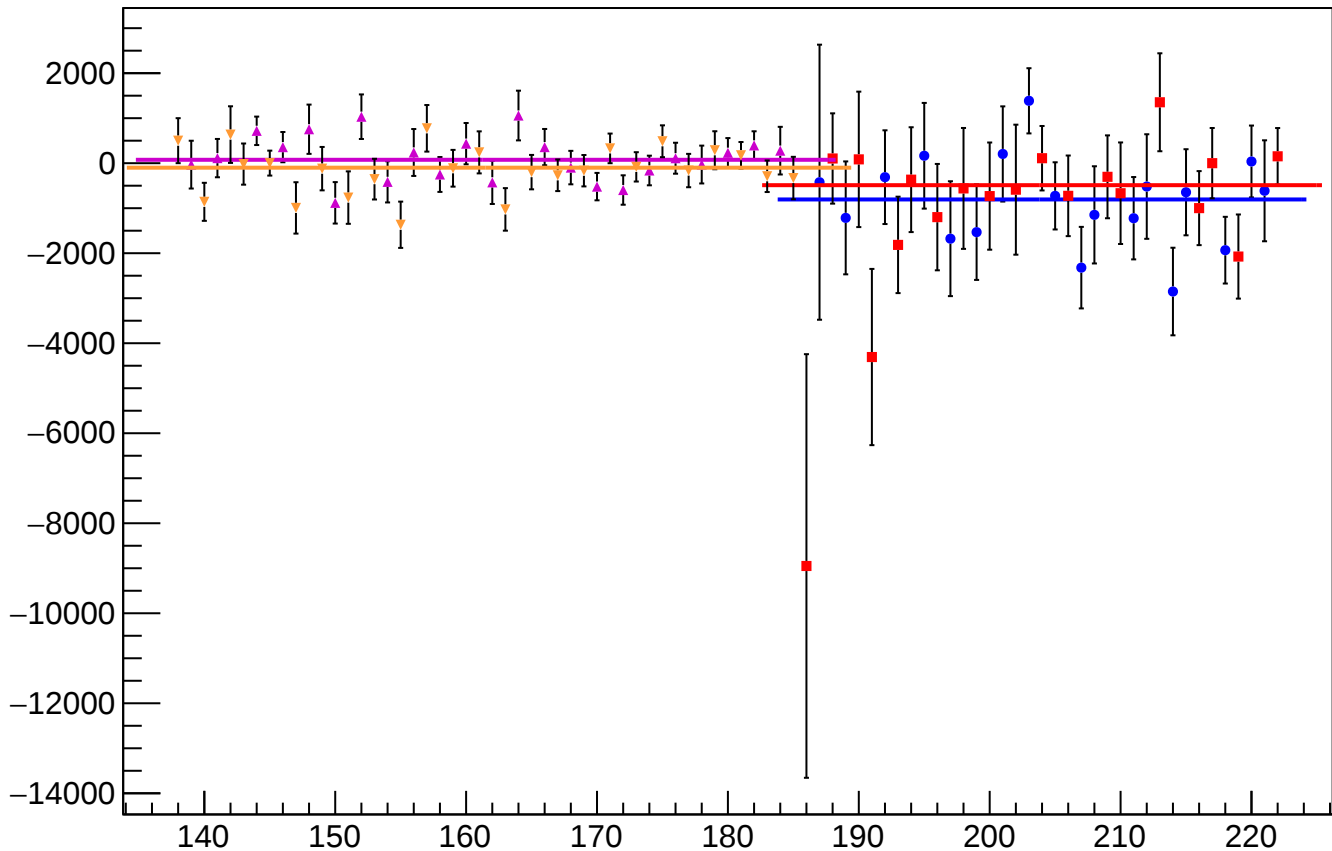
Left In: 331.666 $\pm$ 0.057 χ^2 /NDF: 1303192.2/22

+ sign 382.226 $\pm$ 0.053 χ^2 /NDF: 10013789.5/42

All: 383.342 $\pm$ 0.038 χ^2 /NDF: 20583765.3/84

- sign 384.507 $\pm$ 0.054 χ^2 /NDF: 10569069.9/41

asym_sam_15_26_dd_mean vs Slug



Right In: -805.678 ± 230.433 χ^2/NDF : 23.1/17

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -488.477 ± 231.817 χ^2/NDF : 17.9/18

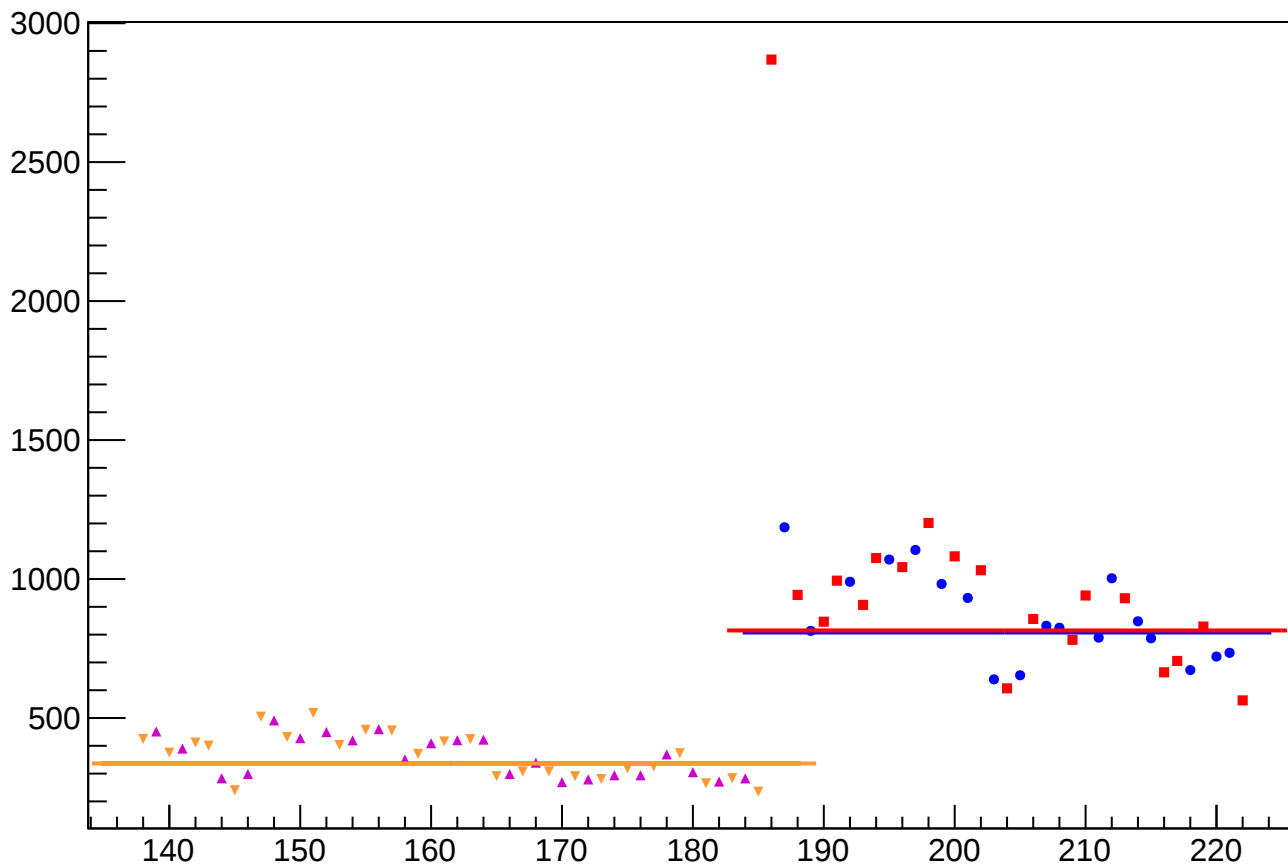
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -176.440 ± 75.936 χ^2/NDF : 62.1/42

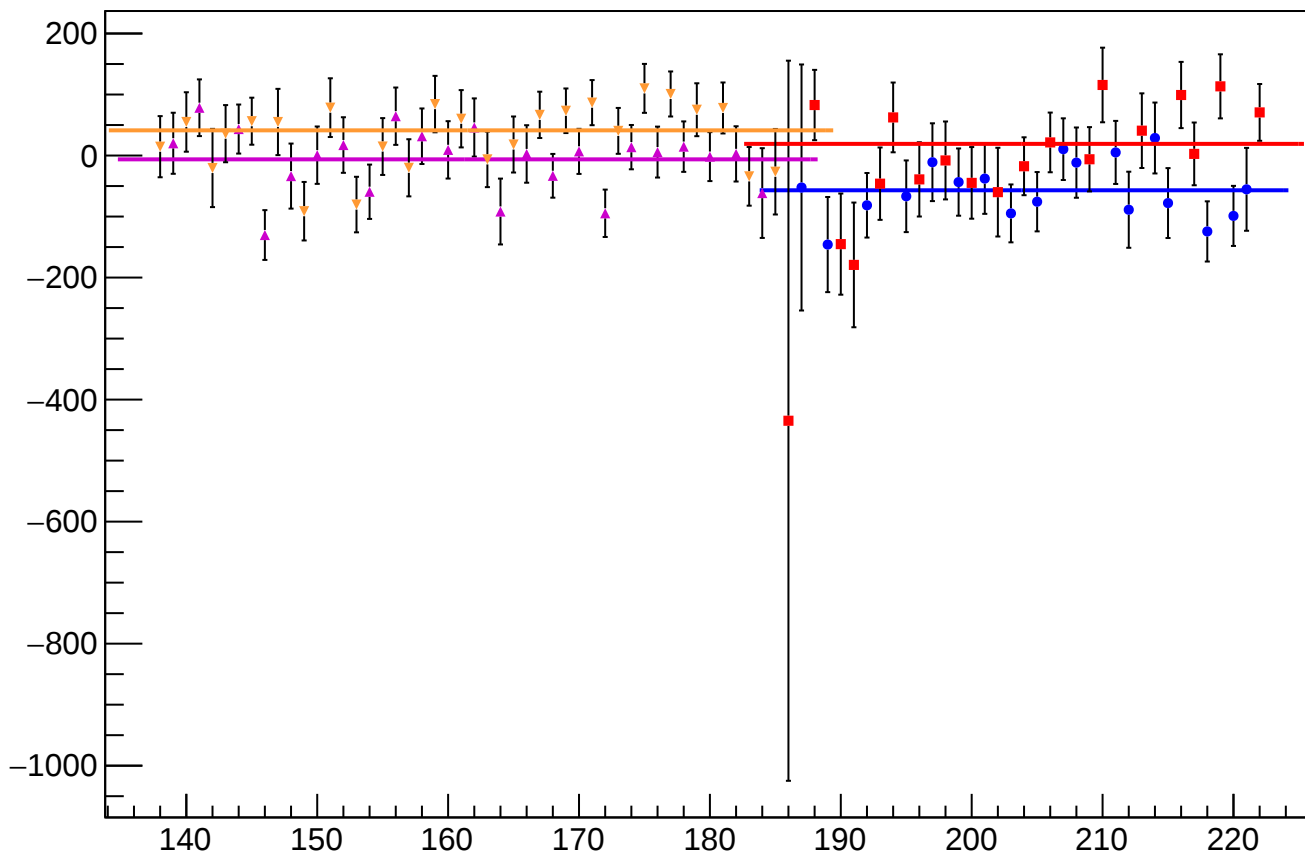
All: -84.025 ± 54.264 χ^2/NDF : 120.4/84

- sign 12.418 ± 77.573 χ^2/NDF : 55.2/41

asym_sam_15_26_dd_rms vs Slug



reg_asym_sam_37_26_dd_mean vs Slug



Right In: -56.947 ± 13.430 χ^2/NDF : 12.0/17

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: 19.116 ± 13.571 χ^2/NDF : 24.9/18

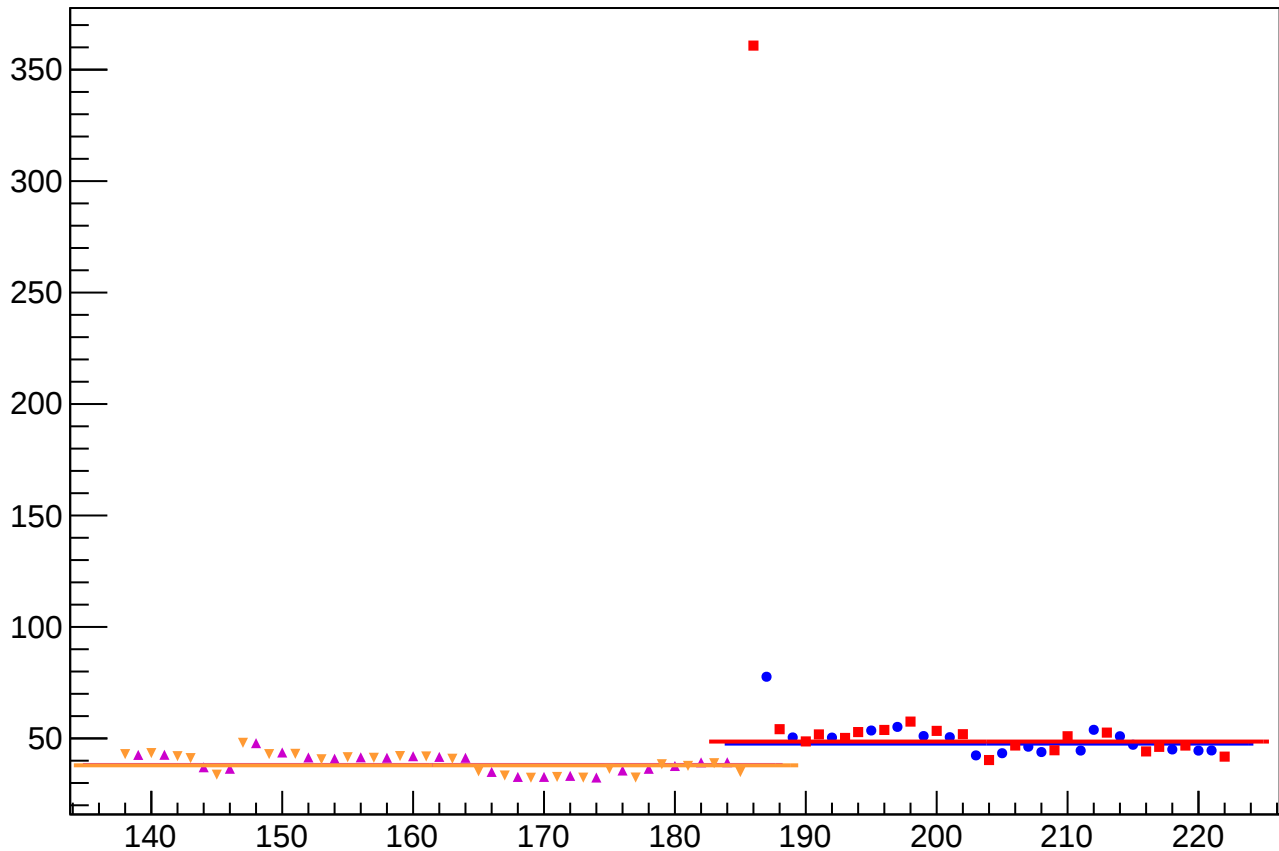
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 11.359 ± 7.413 χ^2/NDF : 83.6/42

All: 6.653 ± 5.307 χ^2/NDF : 142.0/84

- sign 1.704 ± 7.601 χ^2/NDF : 57.6/41

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 47.671 $\pm$ 0.009 χ^2 /NDF: 214527.7/17

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 48.580 $\pm$ 0.010 χ^2 /NDF: 812783.7/18

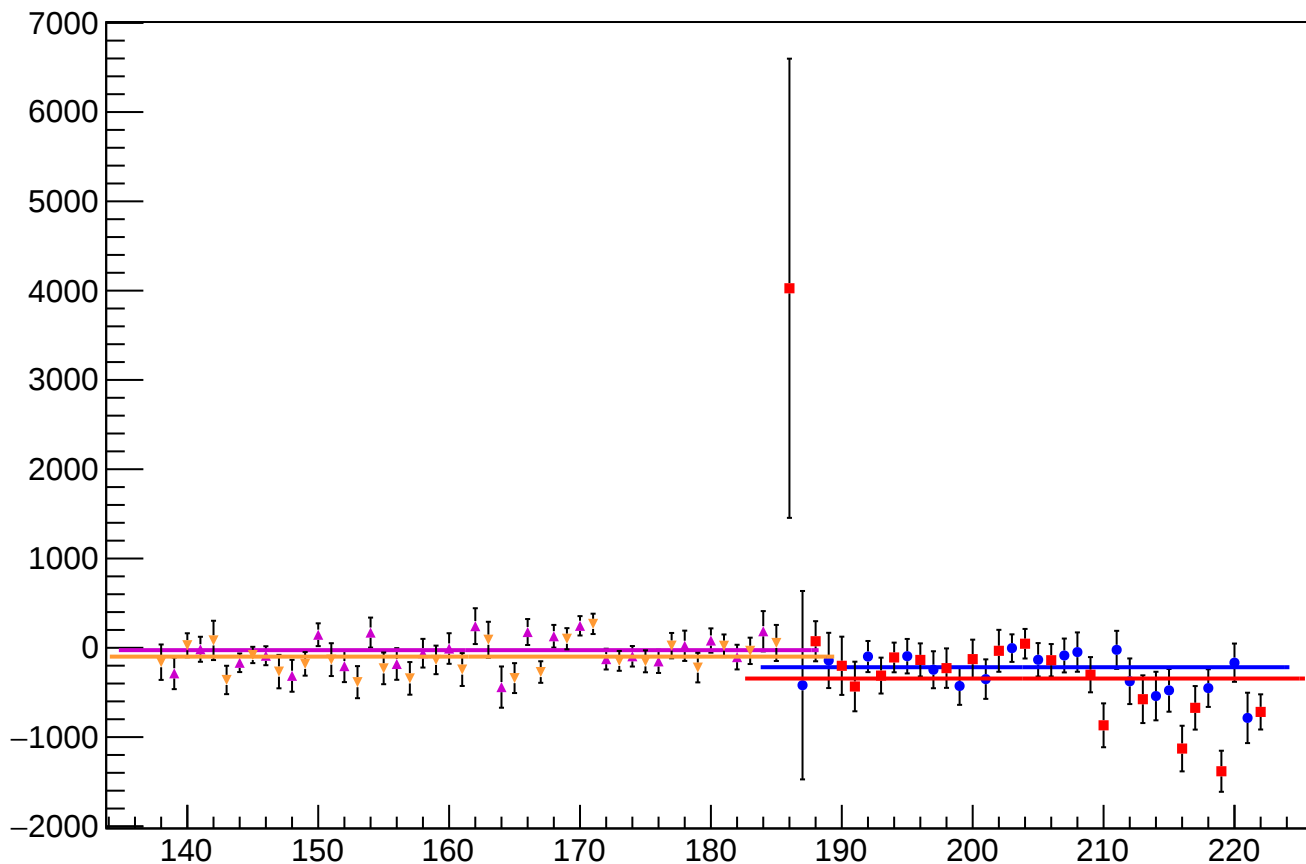
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 40.894 $\pm$ 0.005 χ^2 /NDF: 1433896.9/42

All: 41.130 $\pm$ 0.004 χ^2 /NDF: 3467776.0/84

- sign 41.379 $\pm$ 0.005 χ^2 /NDF: 2029708.0/41

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -217.357 ± 51.205 χ^2/NDF : 14.7/17

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -344.093 ± 50.500 χ^2/NDF : 60.4/18

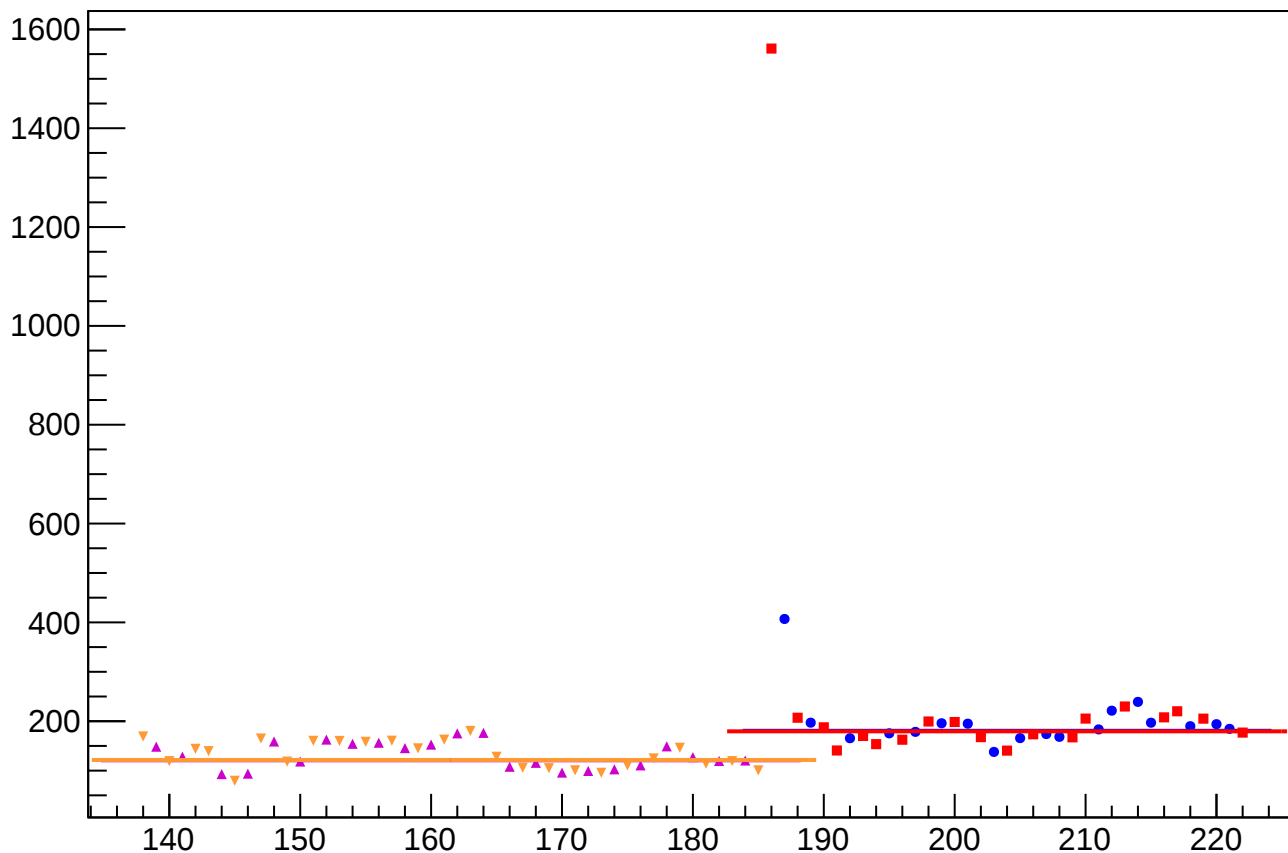
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -127.691 ± 25.297 χ^2/NDF : 51.5/42

All: -117.865 ± 17.989 χ^2/NDF : 172.3/84

- sign -107.813 ± 25.585 χ^2/NDF : 120.5/41

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 180.598 $\pm$ 0.036 χ^2 /NDF: 472727.9/17

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF: 1711423.9/24

Right Out: 179.540 $\pm$ 0.036 χ^2 /NDF: 1072345.7/18

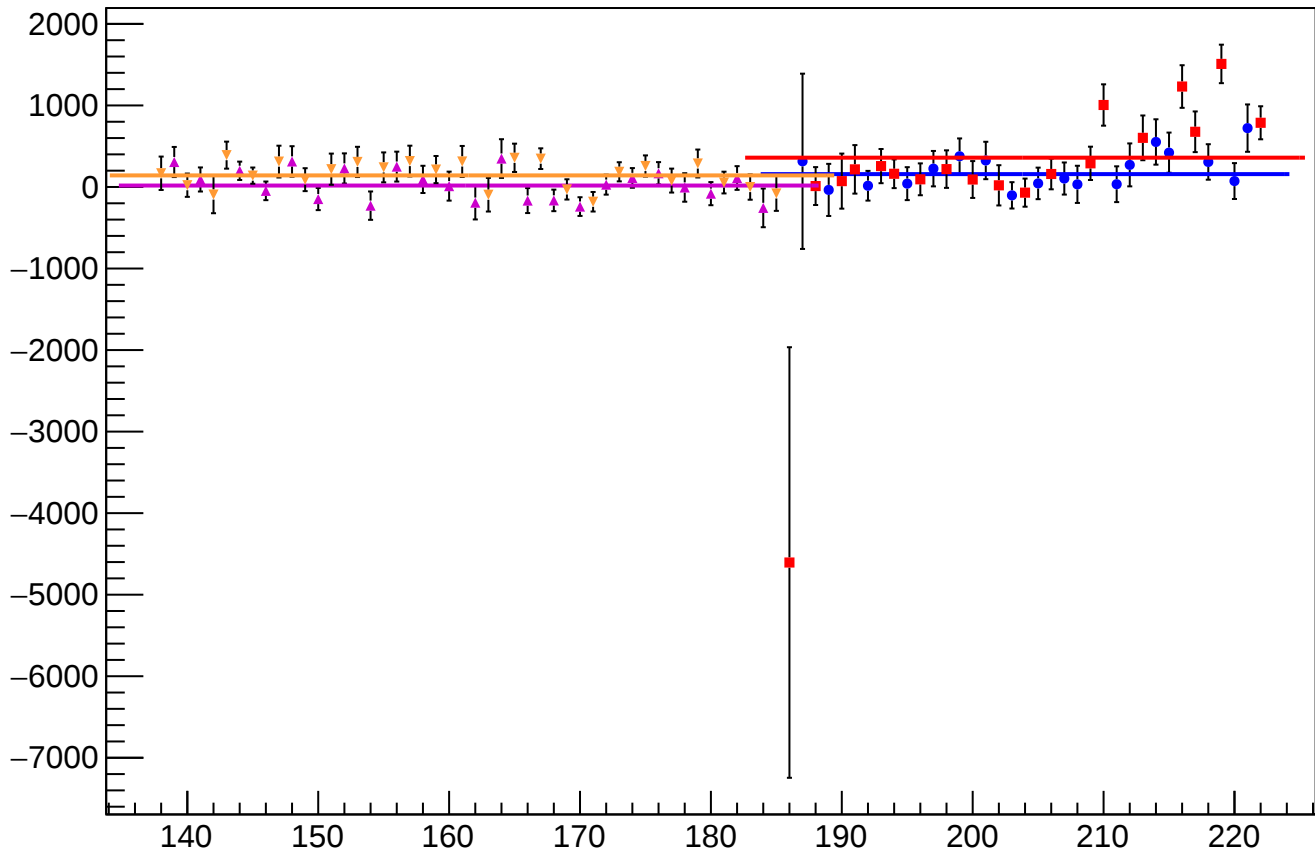
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF: 1382861.4/22

+ sign 135.993 $\pm$ 0.018 χ^2 /NDF: 4191813.4/42

All: 135.983 $\pm$ 0.013 χ^2 /NDF: 8649713.2/84

- sign 135.972 $\pm$ 0.018 χ^2 /NDF: 4457899.1/41

asym_sam_37_26_dd_mean vs Slug



Right In: 157.822 $\pm$ 53.090 χ^2 /NDF: 14.3/17

Left Out: 142.014 $\pm$ 30.574 χ^2 /NDF: 26.9/24

Right Out: 359.485 $\pm$ 52.512 χ^2 /NDF: 69.4/18

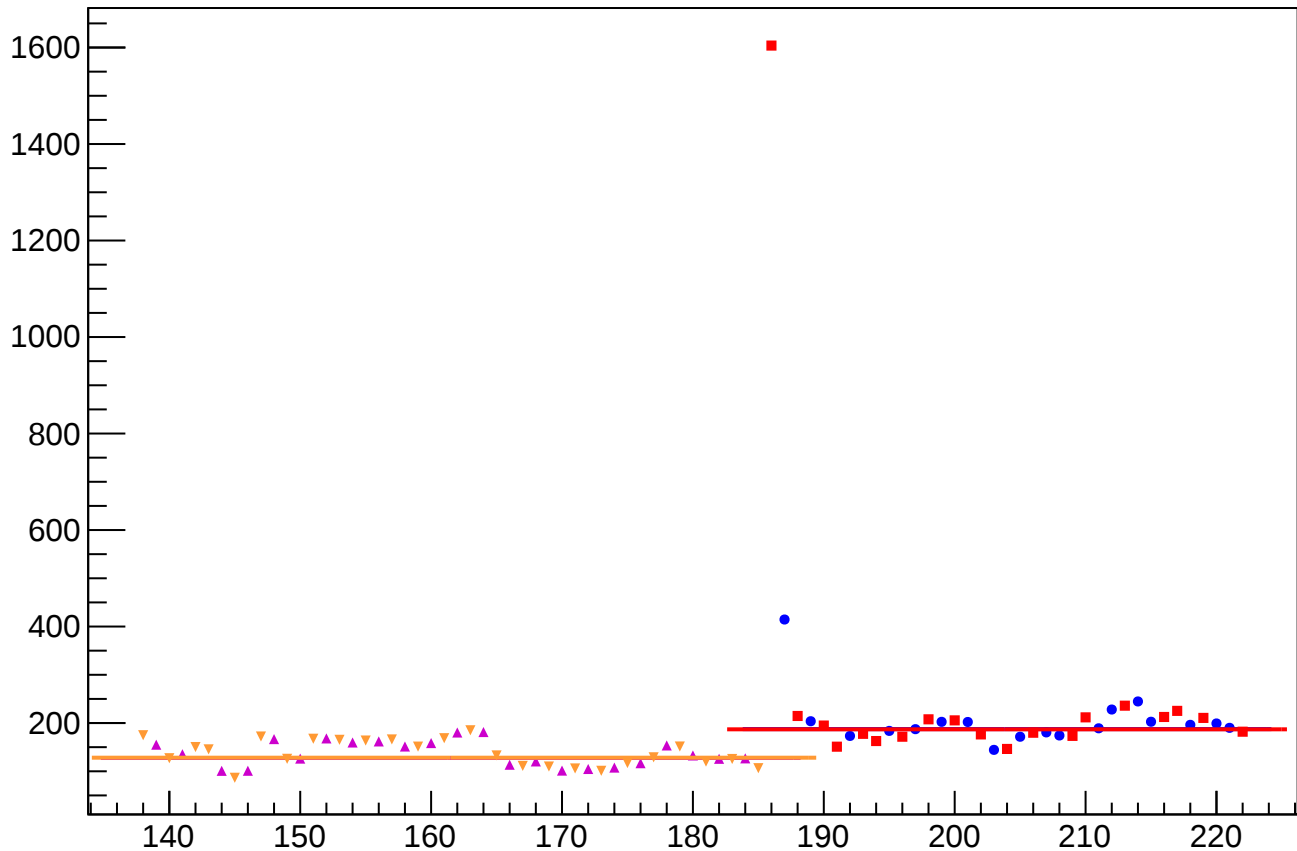
Left In: 17.679 $\pm$ 31.209 χ^2 /NDF: 30.1/22

+ sign 145.951 $\pm$ 26.495 χ^2 /NDF: 41.3/42

All: 126.667 $\pm$ 18.851 χ^2 /NDF: 173.2/84

- sign 106.895 $\pm$ 26.828 χ^2 /NDF: 130.9/41

asym_sam_37_26_dd_rms vs Slug



Right In: 187.444 $\pm$ 0.038 χ^2 /NDF: 438811.2/17

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF: 1532922.0/24

Right Out: 186.979 $\pm$ 0.037 χ^2 /NDF: 1015896.4/18

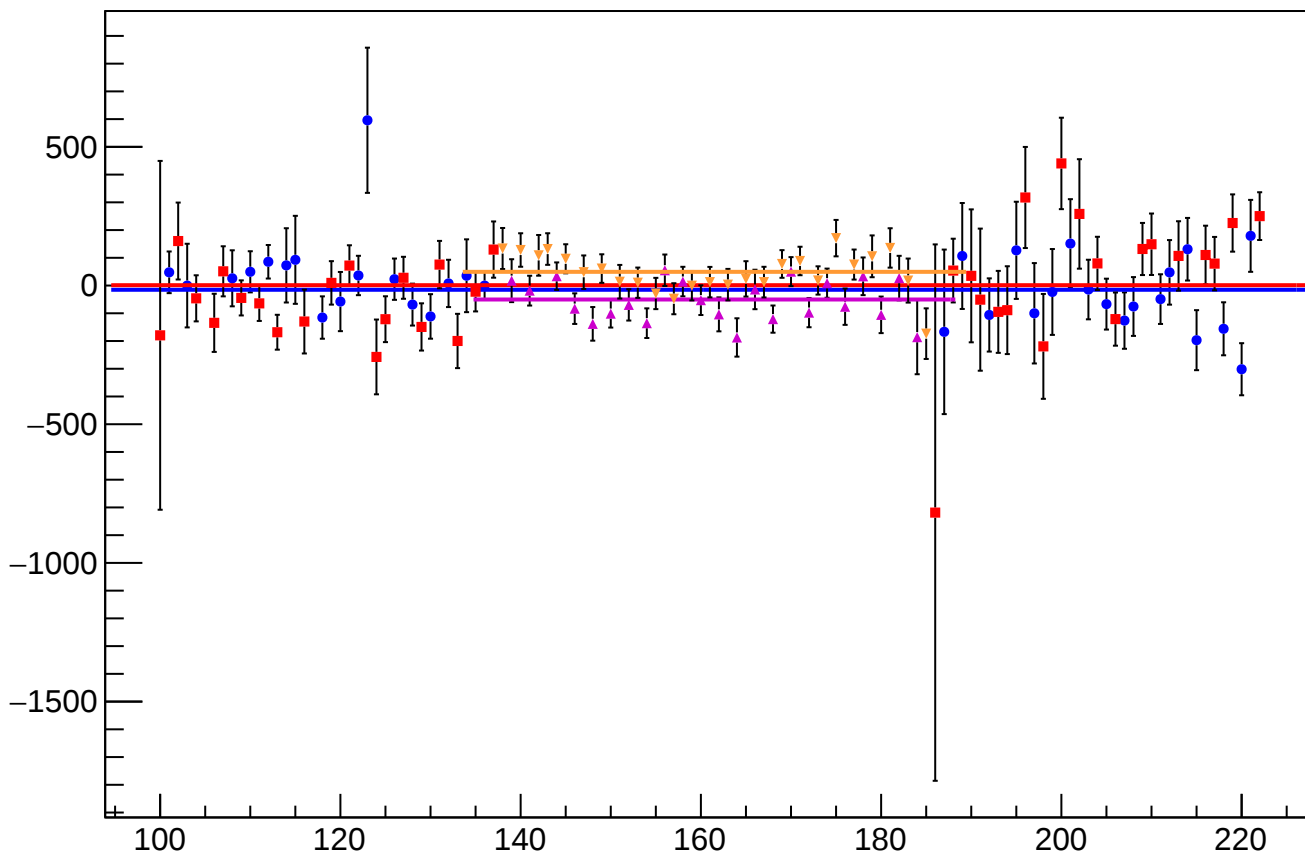
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF: 1235705.3/22

+ sign 142.936 $\pm$ 0.019 χ^2 /NDF: 3843576.6/42

All: 142.996 $\pm$ 0.013 χ^2 /NDF: 7988542.5/84

- sign 143.057 $\pm$ 0.019 χ^2 /NDF: 4144945.4/41

reg_asym_sam_1357_avg_mean vs Slug



Right In: -15.263 ± 16.373 χ^2/NDF : 39.3/34

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: 1.253 ± 16.098 χ^2/NDF : 67.0/37

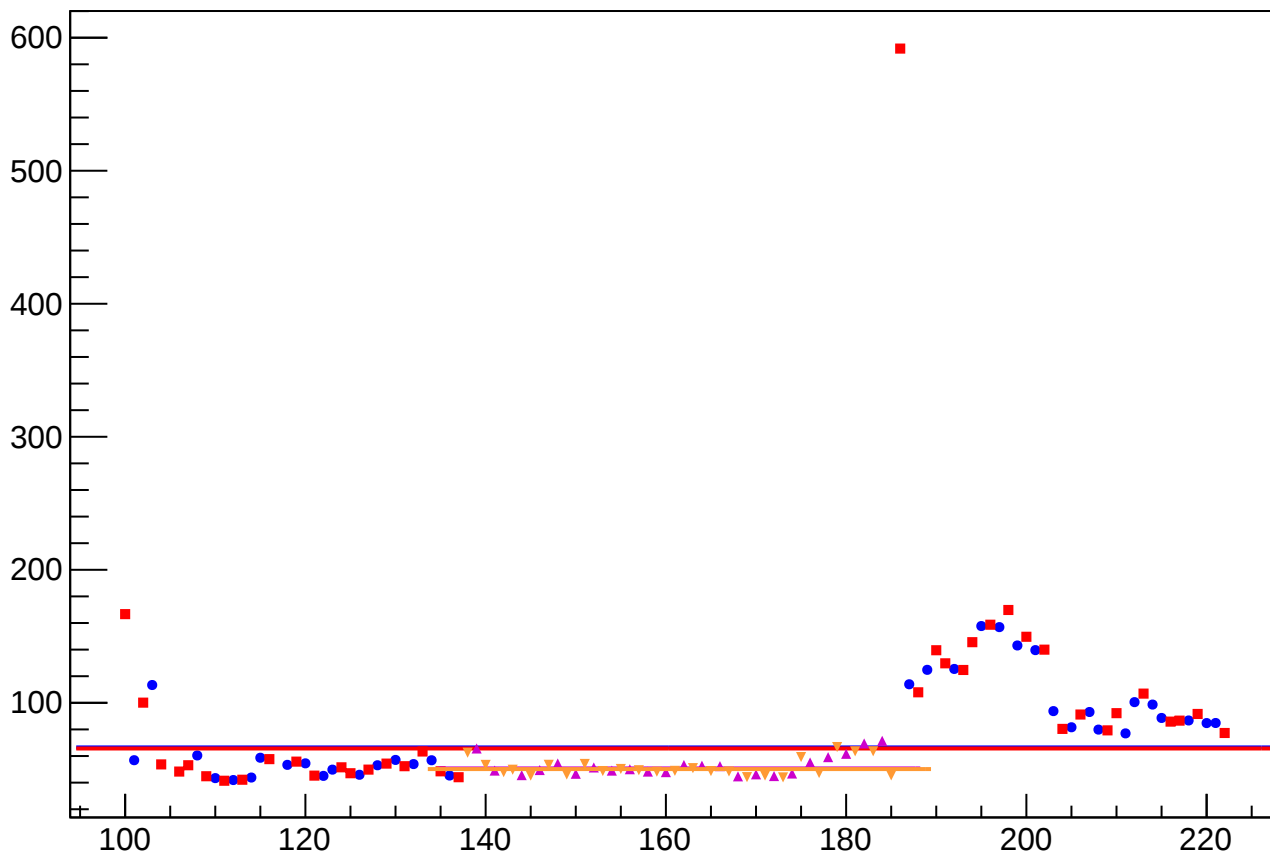
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 27.283 ± 9.576 χ^2/NDF : 77.6/59

All: -1.533 ± 6.832 χ^2/NDF : 201.8/120

- sign -31.407 ± 9.750 χ^2/NDF : 105.7/60

reg_asym_sam_1357_avg_rms vs Slug



Right In: 66.476+/-0.012 χ^2/NDF : 5342286.5/34

Left Out: 50.189+/-0.008 χ^2/NDF : 467679.2/24

Right Out: 65.664+/-0.011 χ^2/NDF : 6632043.7/37

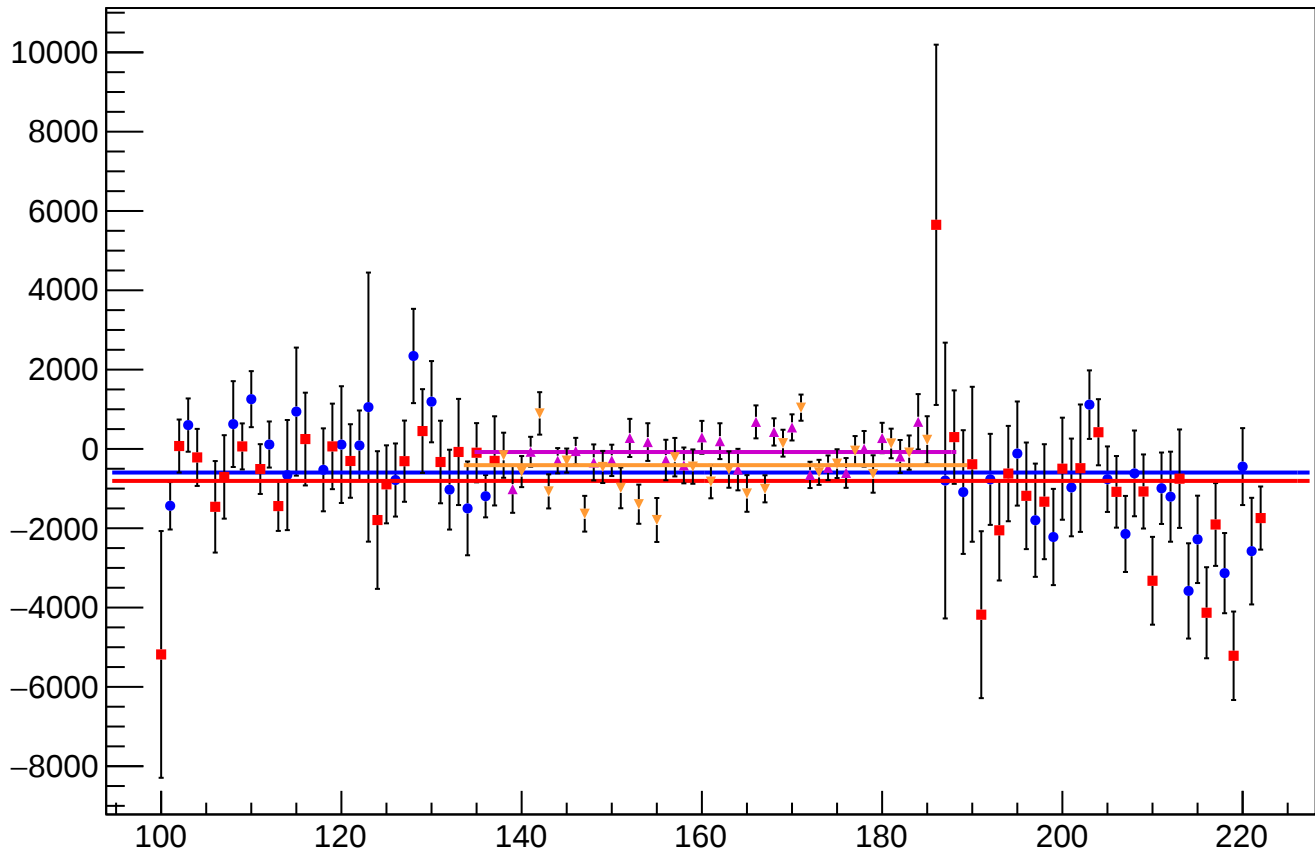
Left In: 50.683+/-0.009 χ^2/NDF : 469292.3/22

+ sign 55.760+/-0.007 χ^2/NDF : 7111982.3/59

All: 55.966+/-0.005 χ^2/NDF : 15311914.7/120

- sign 56.179+/-0.007 χ^2/NDF : 8198056.6/60

asym_sam_1357_avg_correction_mean vs Slug



Right In: -595.218+/-164.268 χ^2/NDF : 54.9/34

Left Out: -409.164+/-82.348 χ^2/NDF : 61.7/24

Right Out: -806.232+/-162.330 χ^2/NDF : 54.4/37

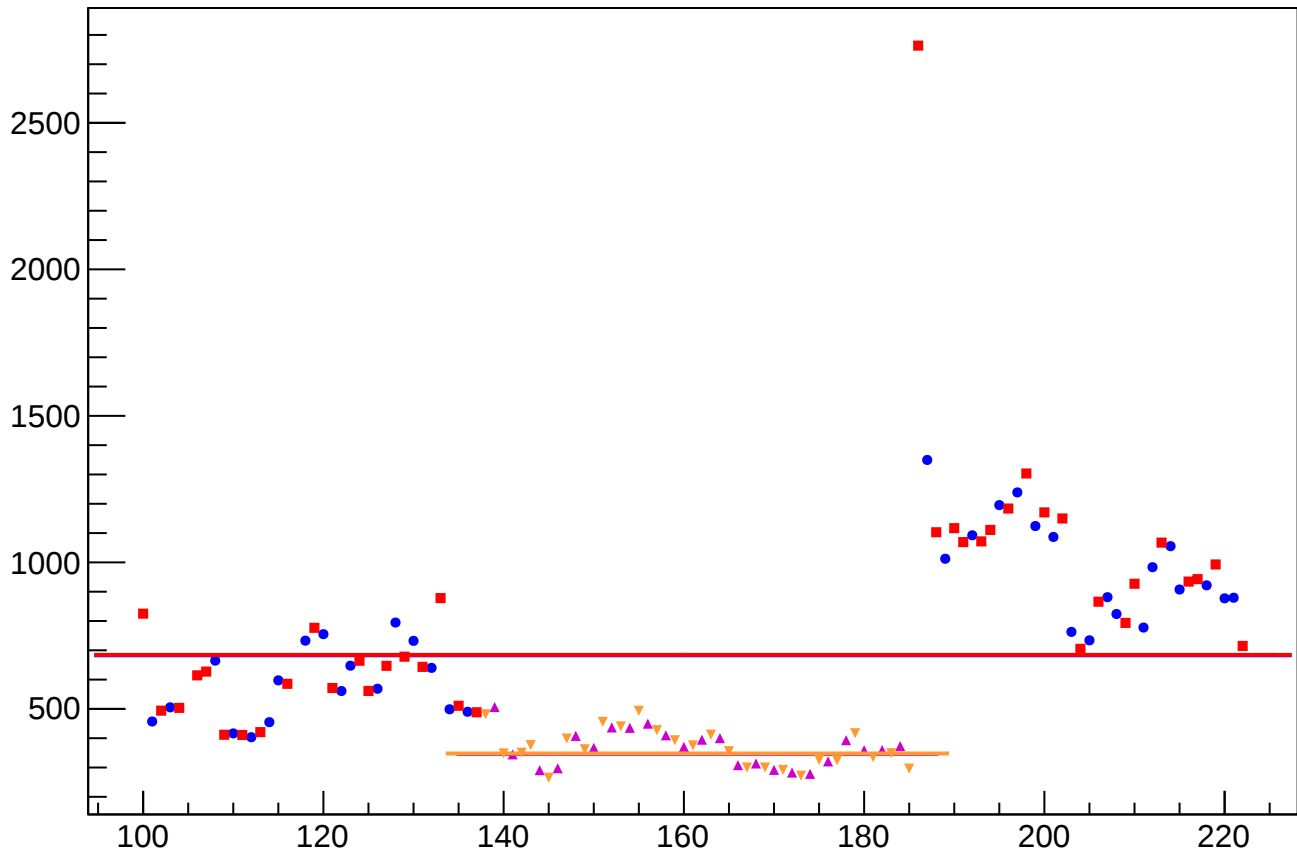
Left In: -77.872+/-84.072 χ^2/NDF : 24.8/22

+ sign -446.530+/-73.616 χ^2/NDF : 117.6/59

All: -340.727+/-52.418 χ^2/NDF : 216.9/120

- sign -231.920+/-74.654 χ^2/NDF : 95.1/60

asym_sam_1357_avg_correction_rms vs Slug



Right In: 683.022 $\pm$ 0.116 χ^2 /NDF: 3968094.5/34

Left Out: 347.875 $\pm$ 0.058 χ^2 /NDF:1044096.7/24

Right Out: 684.292 $\pm$ 0.115 χ^2 /NDF: 4925963.3/37

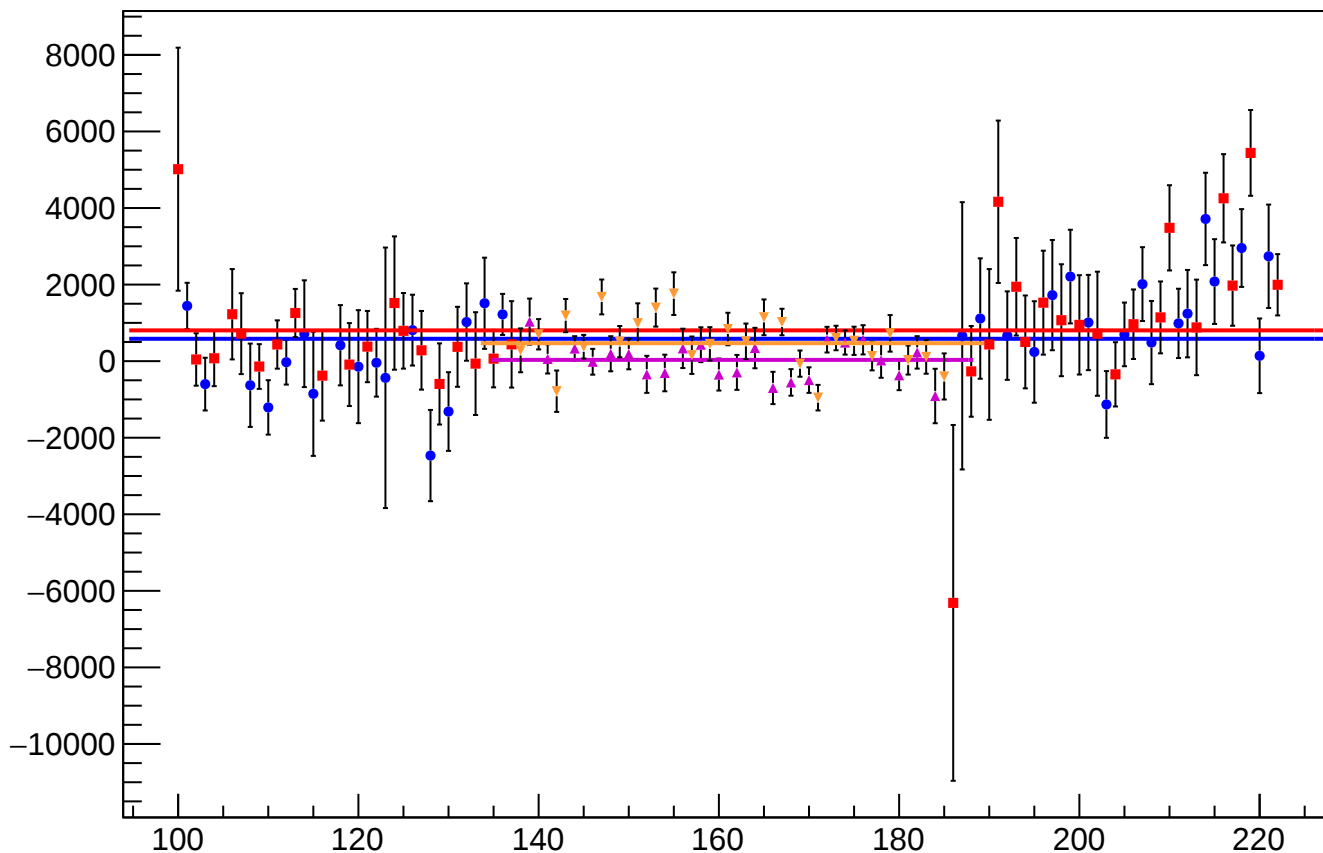
Left In: 345.954 $\pm$ 0.059 χ^2 /NDF:900847.0/22

+ sign 415.185 $\pm$ 0.052 χ^2 /NDF: 11665426.5/59

All: 416.332 $\pm$ 0.037 χ^2 /NDF: 24343928.8/12

- sign 417.512 $\pm$ 0.053 χ^2 /NDF: 12677516.5/60

asym_sam_1357_avg_mean vs Slug



Right In: 583.975 $\pm$ 165.376 χ^2/NDF : 53.7/34

Left Out: 468.863 $\pm$ 83.295 χ^2/NDF : 57.5/24

Right Out: 803.948 $\pm$ 163.506 χ^2/NDF : 57.6/37

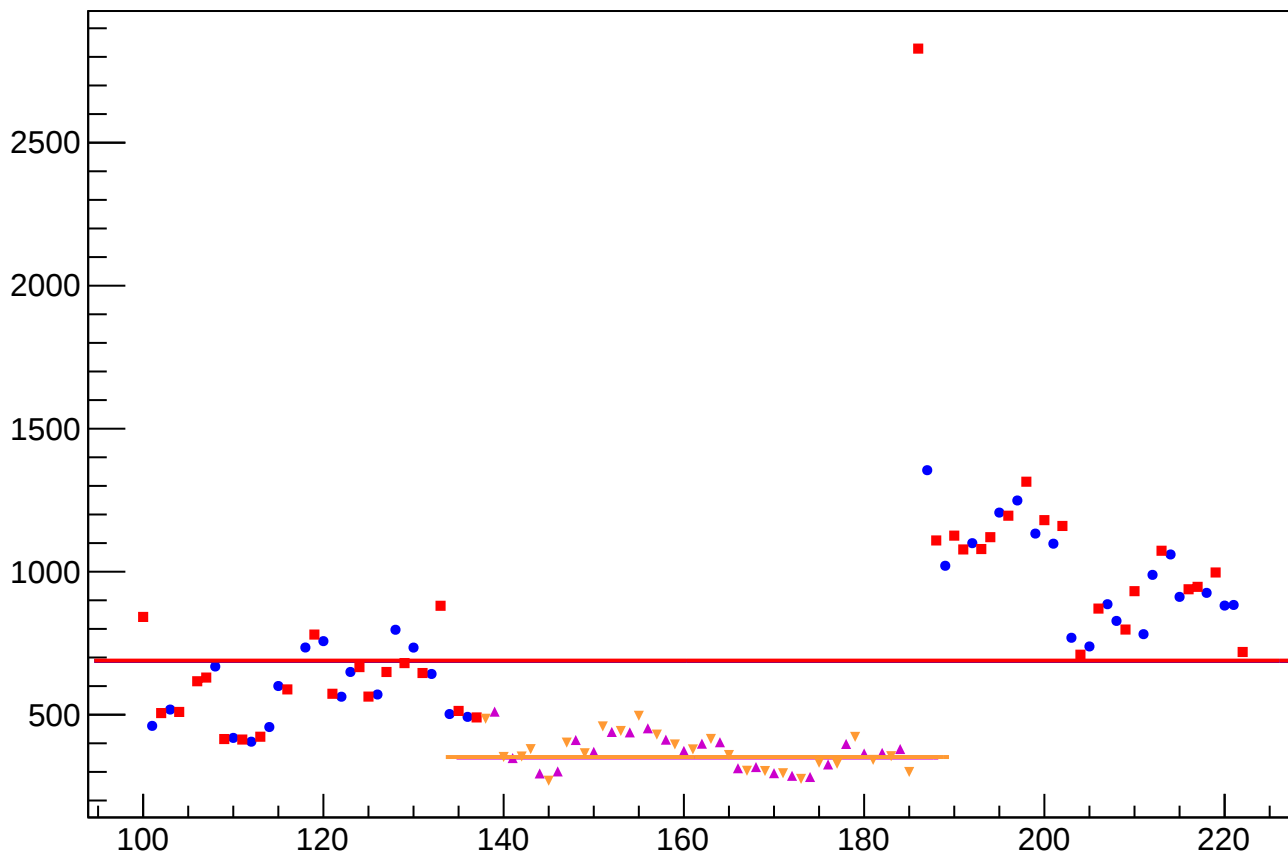
Left In: 32.801 $\pm$ 85.064 χ^2/NDF : 25.7/22

+ sign 492.156 $\pm$ 74.392 χ^2/NDF : 111.5/59

All: 346.715 $\pm$ 52.977 χ^2/NDF : 220.1/120

- sign 197.060 $\pm$ 75.462 χ^2/NDF : 100.8/60

asym_sam_1357_avg_rms vs Slug



Right In: 687.771+/-0.117 χ^2/NDF : 3954726.5/34

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 689.133+/-0.116 χ^2/NDF : 4918547.8/37

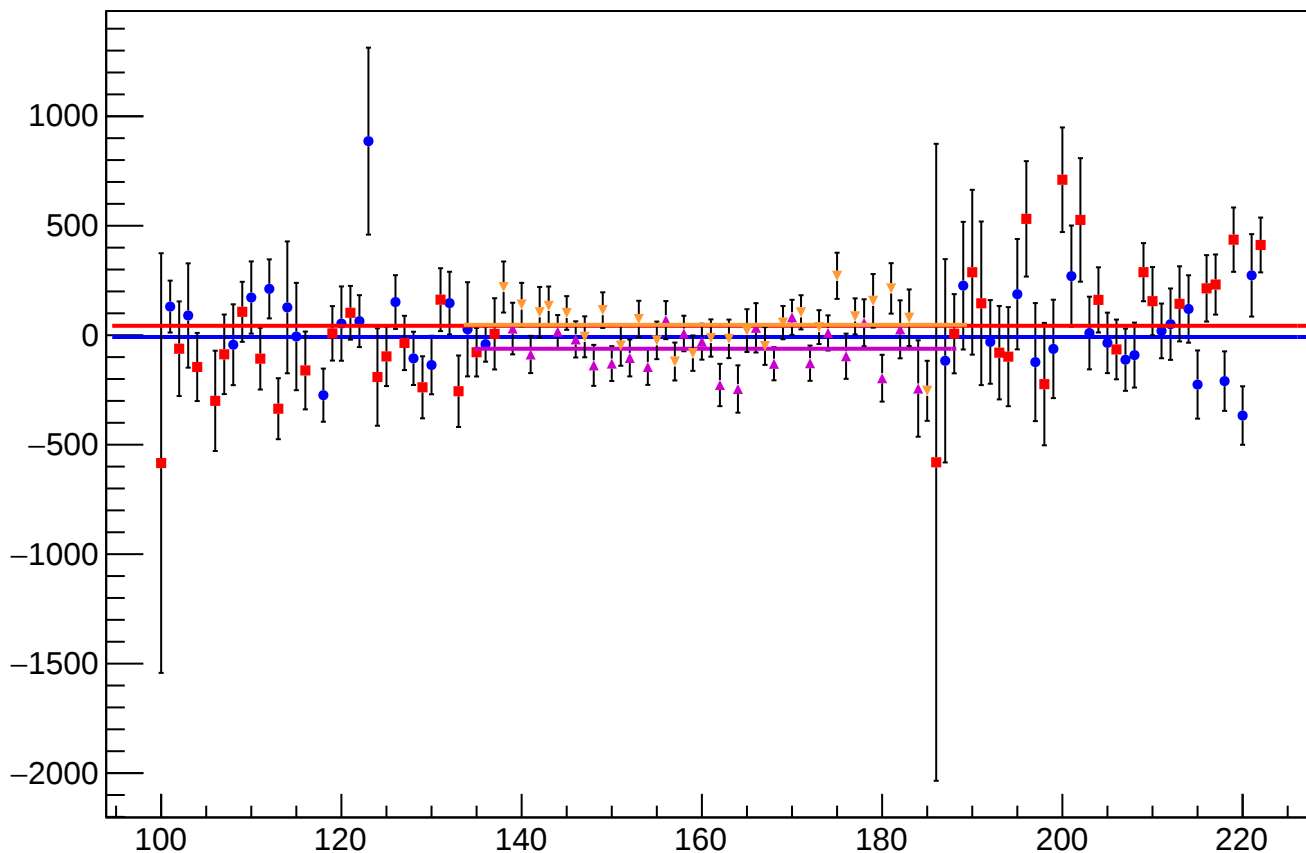
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 419.956+/-0.053 χ^2/NDF : 11547640.7/59

All: 421.142+/-0.037 χ^2/NDF : 24110553.6/12

- sign 422.364+/-0.053 χ^2/NDF : 12561880.1/60

reg_asym_sam_2468_avg_mean vs Slug



Right In: -8.152 ± 26.238 χ^2/NDF : 38.3/34

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: 43.045 ± 26.658 χ^2/NDF : 68.1/37

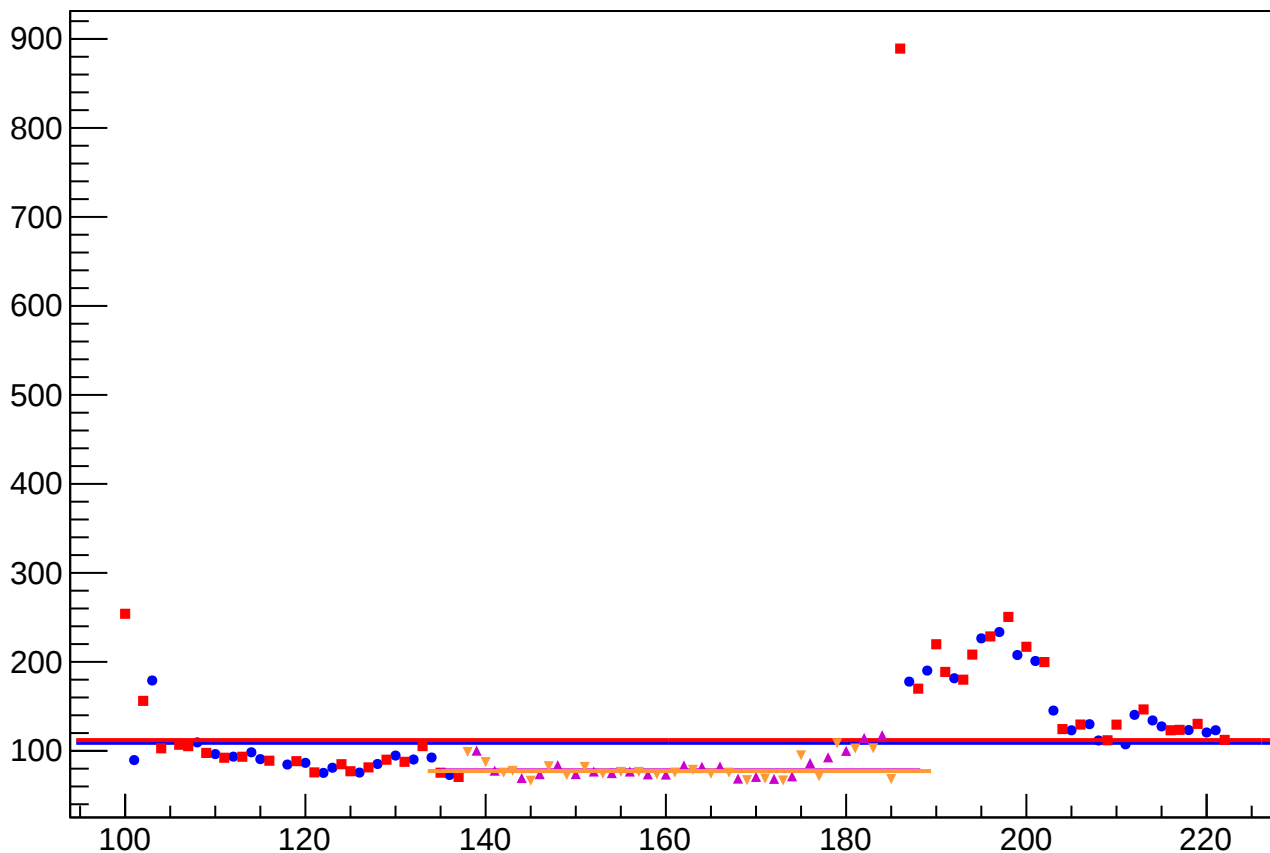
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 29.301 ± 14.984 χ^2/NDF : 70.7/59

All: 2.203 ± 10.756 χ^2/NDF : 179.8/120

- sign -26.606 ± 15.449 χ^2/NDF : 102.3/60

reg_asym_sam_2468_avg_rms vs Slug



Right In: 109.056 $\pm$ 0.019 χ^2 /NDF: 3682896.6/34

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF: 635622.3/24

Right Out: 112.104 $\pm$ 0.019 χ^2 /NDF: 4513131.2/37

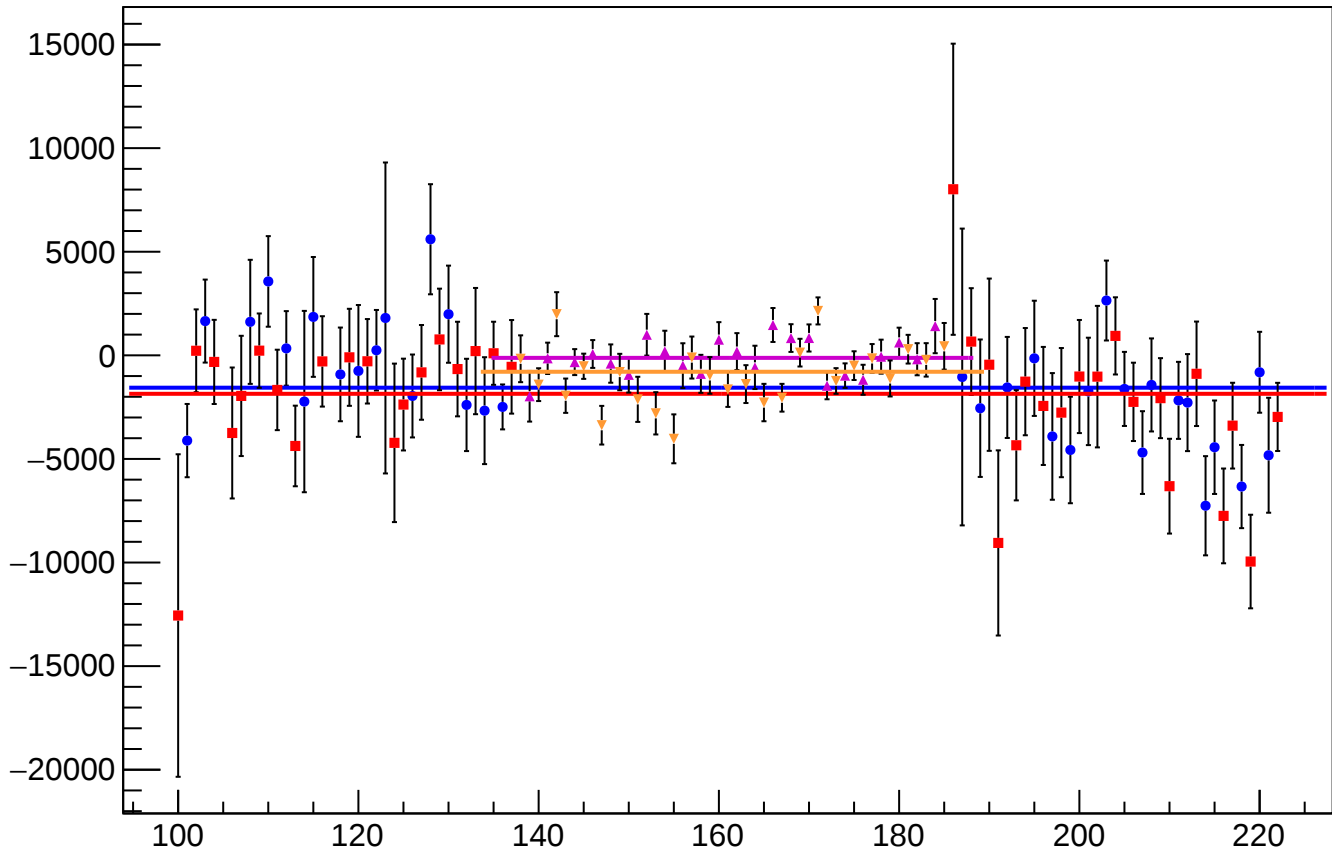
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

+ sign 87.667 $\pm$ 0.011 χ^2 /NDF: 6290781.7/59

All: 88.578 $\pm$ 0.008 χ^2 /NDF: 13557537.6/120

- sign 89.547 $\pm$ 0.011 χ^2 /NDF: 7251505.6/60

asym_sam_2468_avg_correction_mean vs Slug



Right In: -1561.789 ± 376.544 χ^2/NDF : 49.9/34

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1856.648 ± 379.339 χ^2/NDF : 46.7/37

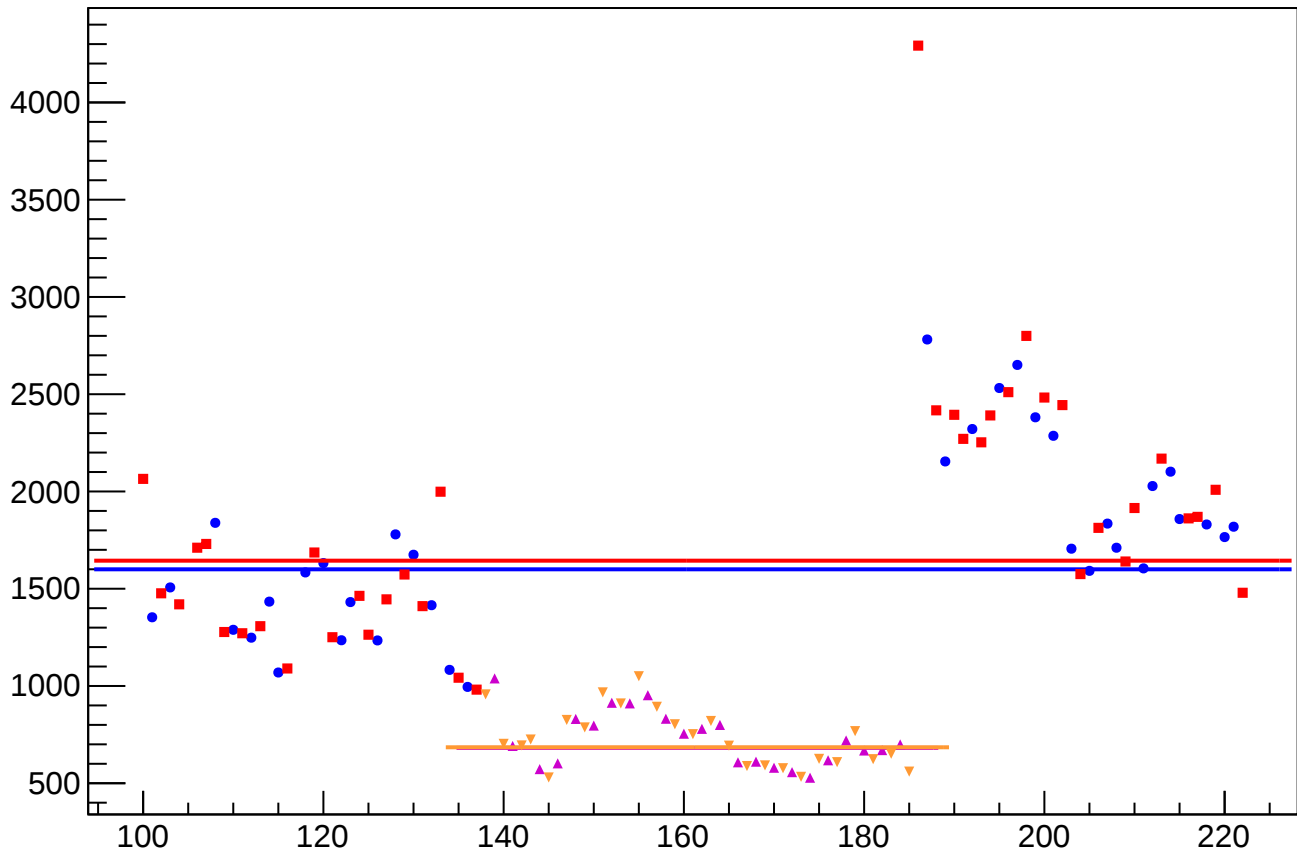
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -913.711 ± 149.322 χ^2/NDF : 120.0/59

All: -662.537 ± 106.598 χ^2/NDF : 216.0/120

- sign -401.502 ± 152.225 χ^2/NDF : 90.2/60

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1599.807 ± 0.266 $\chi^2/\text{NDF}: 2453068.8/34$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

+ sign 828.681 ± 0.106 $\chi^2/\text{NDF}: 13686243.2/59$

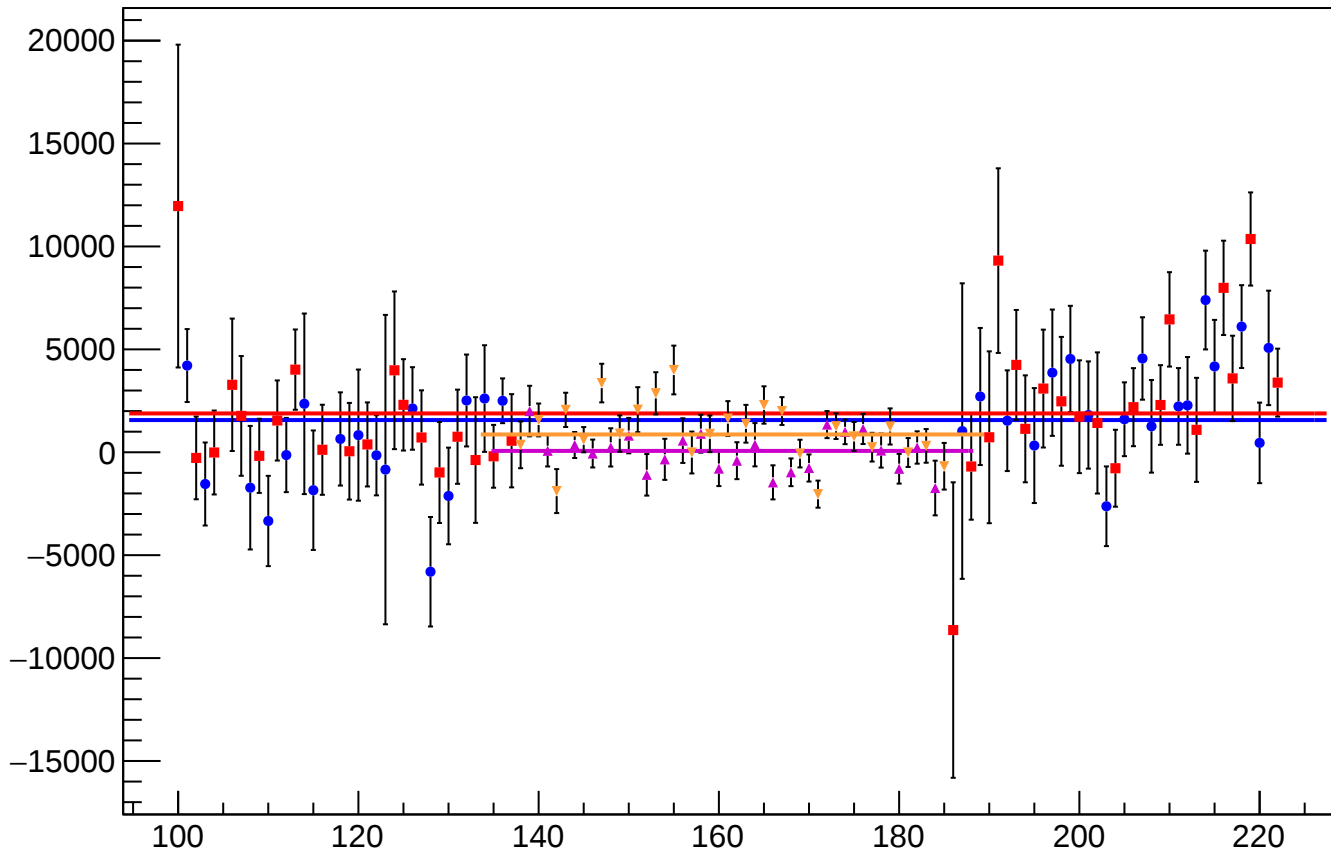
Right Out: 1644.220 ± 0.268 $\chi^2/\text{NDF}: 2926846.7/37$

All: 832.617 ± 0.075 $\chi^2/\text{NDF}: 28538137.9/12$

Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

- sign 836.708 ± 0.108 $\chi^2/\text{NDF}: 14849060.4/60$

asym_sam_2468_avg_mean vs Slug



Right In: 1564.578 ± 377.645 χ^2/NDF : 49.1/34

Left Out: 865.597 ± 163.885 χ^2/NDF : 62.8/24

Right Out: 1886.424 ± 380.571 χ^2/NDF : 49.0/37

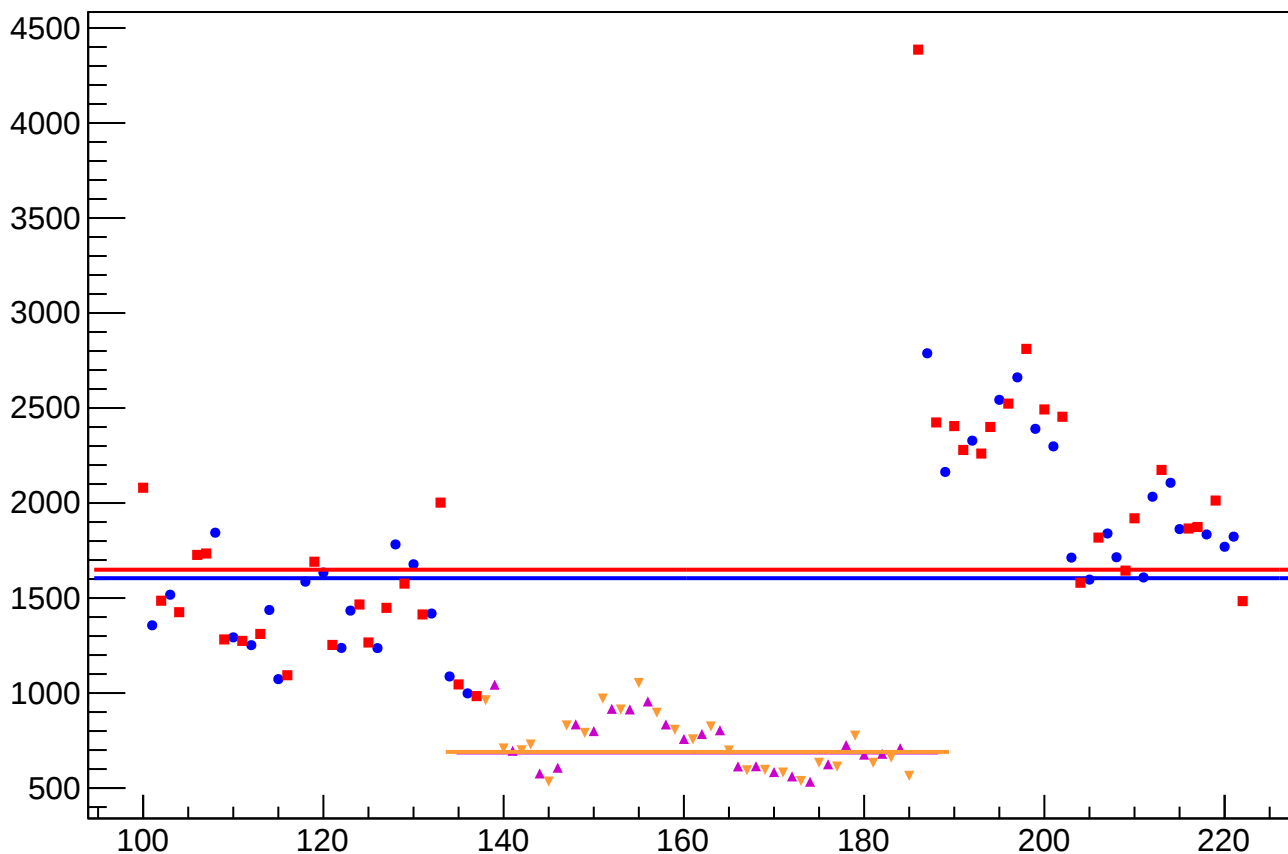
Left In: 65.924 ± 167.485 χ^2/NDF : 26.4/22

+ sign 976.372 ± 150.339 χ^2/NDF : 114.8/59

All: 674.828 ± 107.336 χ^2/NDF : 217.6/120

- sign 361.305 ± 153.296 χ^2/NDF : 94.6/60

asym_sam_2468_avg_rms vs Slug



Right In: 1604.428 ± 0.267 $\chi^2/\text{NDF}: 2455850.1/34$

Left Out: 690.166 ± 0.116 $\chi^2/\text{NDF}: 1258158.2/24$

Right Out: 1649.104 ± 0.269 $\chi^2/\text{NDF}: 2937997.1/37$

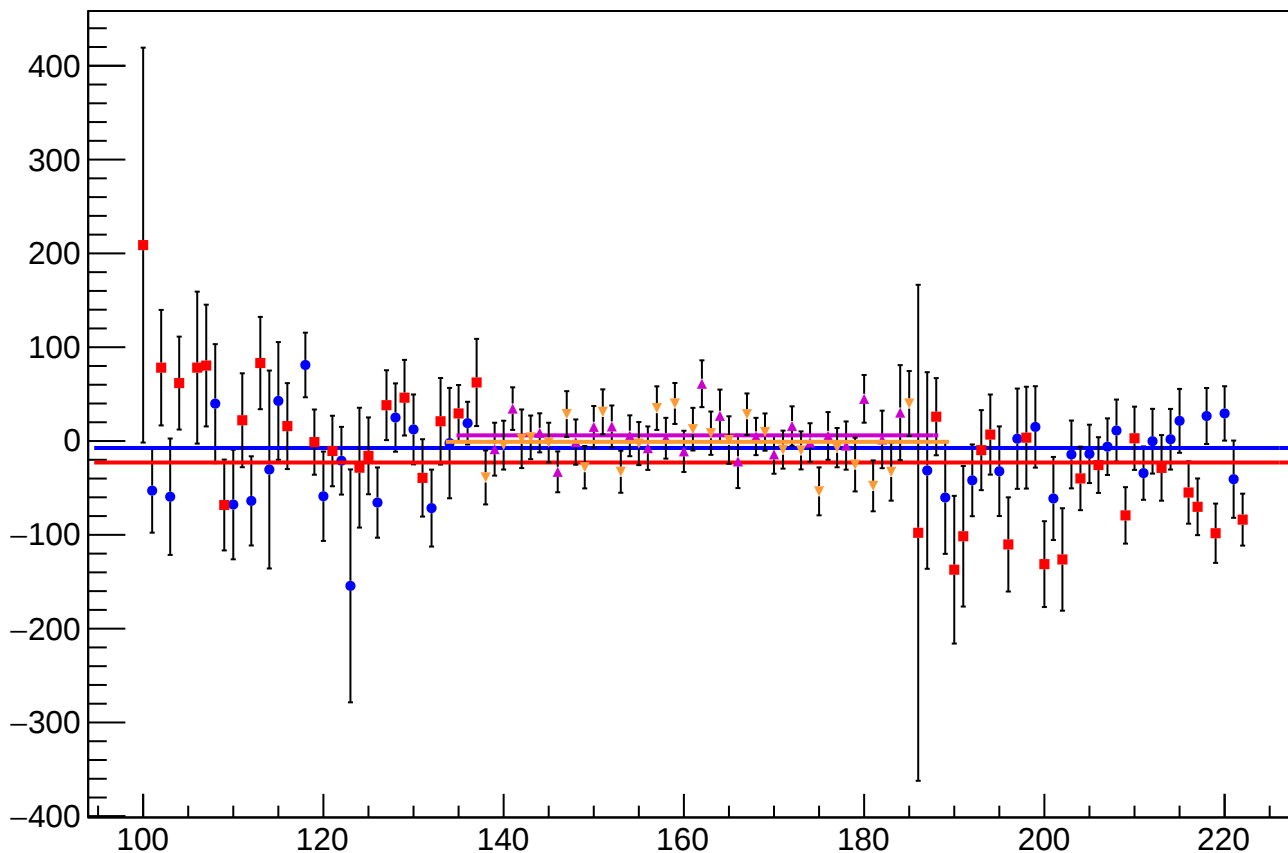
Left In: 687.216 ± 0.118 $\chi^2/\text{NDF}: 1099706.1/22$

+ sign 835.060 ± 0.106 $\chi^2/\text{NDF}: 13578350.2/59$

All: 839.092 ± 0.076 $\chi^2/\text{NDF}: 28322355.4/12$

- sign 843.285 ± 0.108 $\chi^2/\text{NDF}: 14741070.0/60$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -7.410 ± 6.637 χ^2/NDF : 31.4/34

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -22.899 ± 6.768 χ^2/NDF : 67.6/37

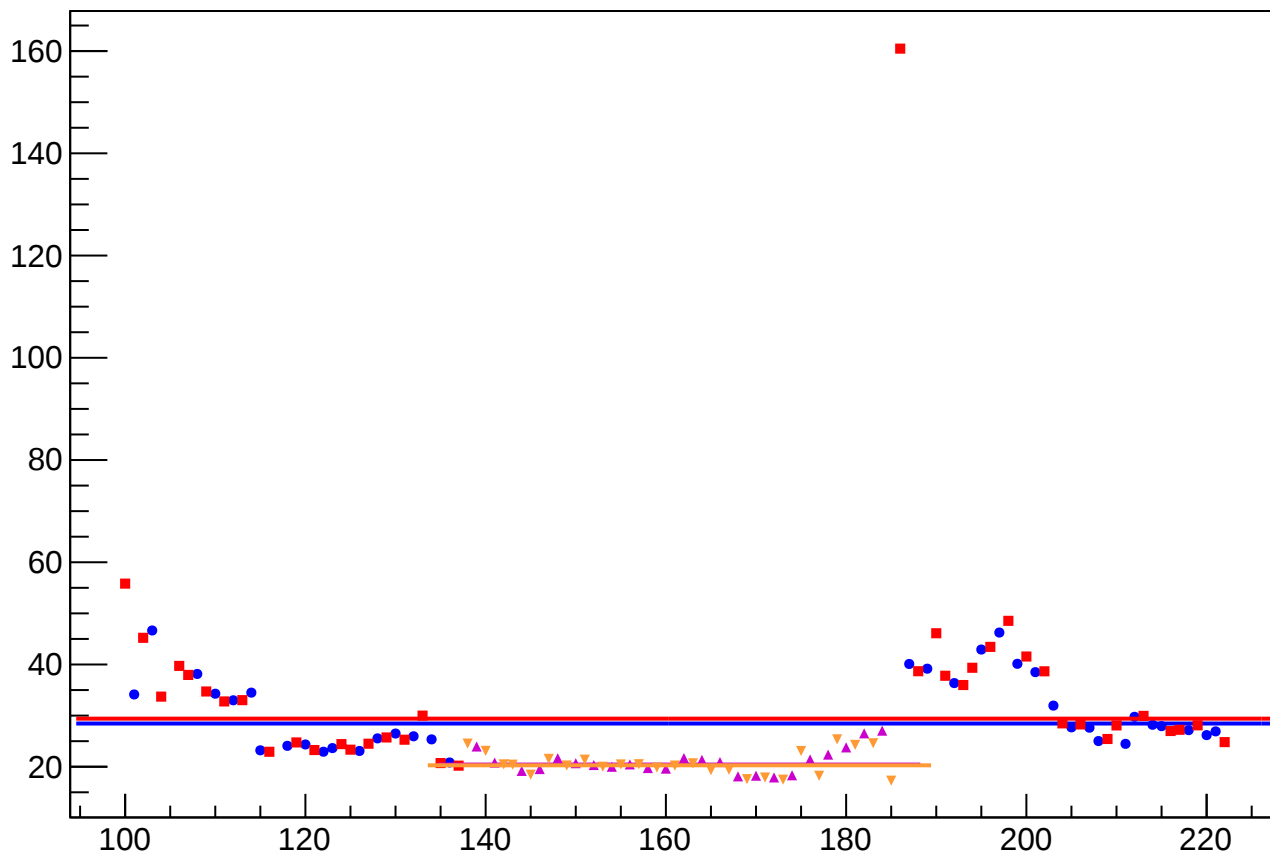
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.086 ± 3.868 χ^2/NDF : 60.0/59

All: -3.519 ± 2.775 χ^2/NDF : 156.5/120

- sign -3.979 ± 3.982 χ^2/NDF : 96.5/60

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.453+/-0.005 χ^2/NDF : 1635054.2/34

Left Out: 20.279+/-0.003 χ^2/NDF : 407056.4/24

Right Out: 29.405+/-0.005 χ^2/NDF : 2380612.2/37

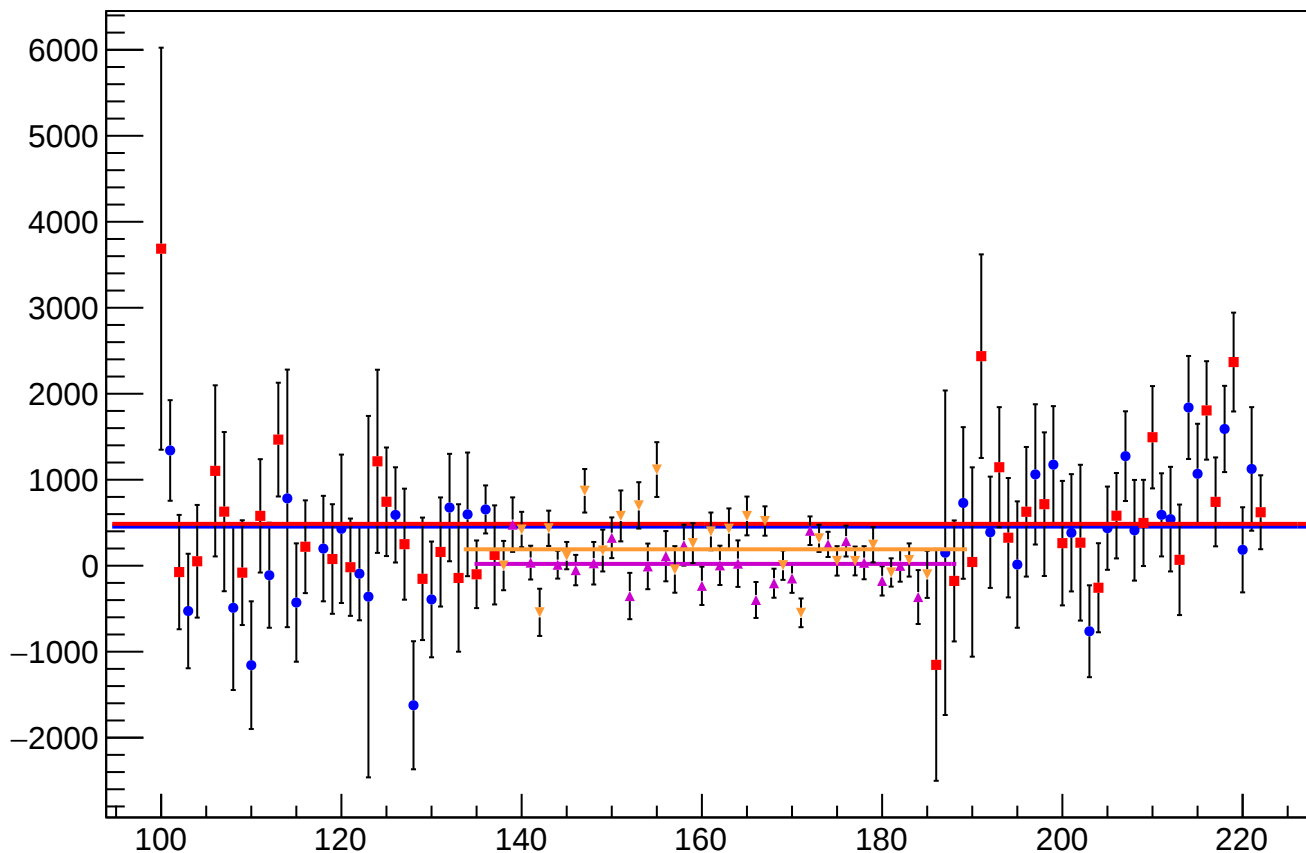
Left In: 20.424+/-0.003 χ^2/NDF : 323427.4/22

+ sign 23.056+/-0.003 χ^2/NDF : 4045049.8/59

All: 23.288+/-0.002 χ^2/NDF : 9066834.3/120

- sign 23.534+/-0.003 χ^2/NDF : 5006956.8/60

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 454.837 $\pm$ 103.020 χ^2 /NDF: 46.8/34

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: 486.757 $\pm$ 104.765 χ^2 /NDF: 41.2/37

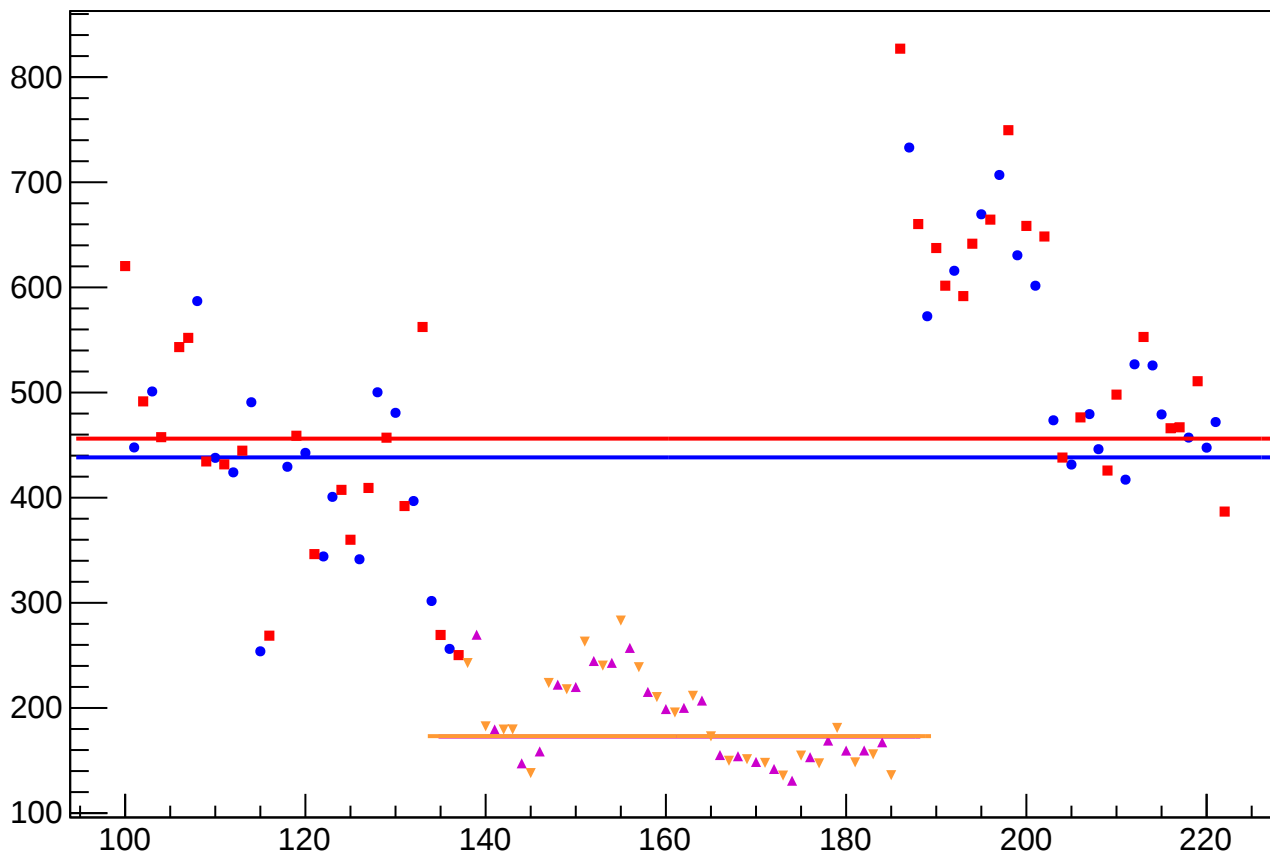
Left In: 20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

+ sign 227.438 $\pm$ 38.345 χ^2 /NDF: 120.4/59

All: 158.434 $\pm$ 27.417 χ^2 /NDF: 212.9/120

- sign 86.260 $\pm$ 39.216 χ^2 /NDF: 85.9/60

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 438.326+/-0.073 χ^2/NDF : 2352152.3/34

Left Out: 173.210+/-0.029 χ^2/NDF :1561250.6/24

Right Out: 456.174+/-0.074 χ^2/NDF : 2600415.0/37

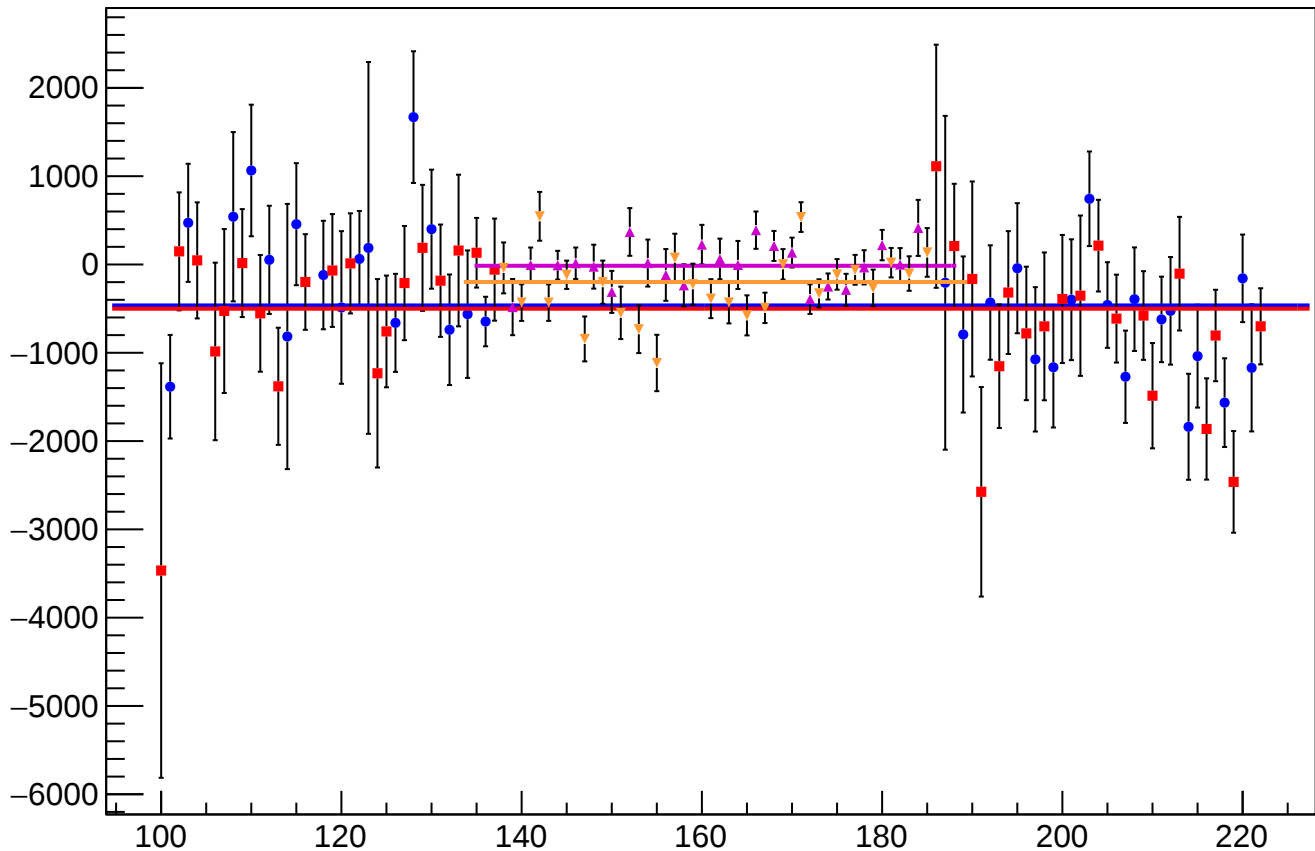
Left In: 172.828+/-0.030 χ^2/NDF :1372131.7/22

+ sign 209.940+/-0.027 χ^2/NDF : 15323676.7/59

All: 211.206+/-0.019 χ^2/NDF : 31880404.5/12

- sign 212.530+/-0.028 χ^2/NDF : 16552268.2/60

asym_sam_1357_2468_dd_mean vs Slug



Right In: -463.892 ± 103.268 χ^2/NDF : 46.3/34

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -500.555 ± 105.035 χ^2/NDF : 42.9/37

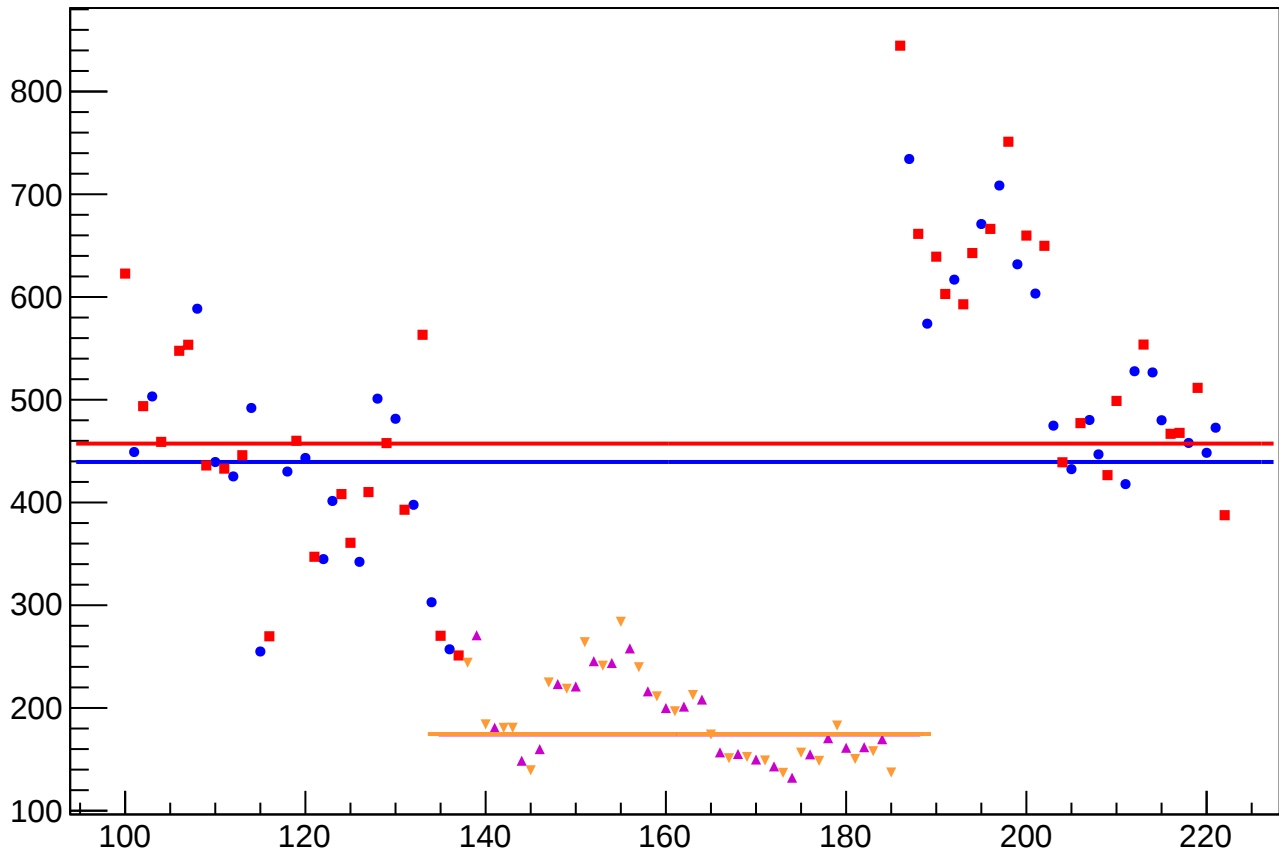
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -235.111 ± 38.617 χ^2/NDF : 116.2/59

All: -160.941 ± 27.613 χ^2/NDF : 212.8/120

- sign -83.340 ± 39.500 χ^2/NDF : 89.0/60

asym_sam_1357_2468_dd_rms vs Slug



Right In: 439.437+/-0.073 χ^2/NDF : 2344252.0/34

Left Out: 174.648+/-0.029 χ^2/NDF :1531999.5/24

Right Out: 457.324+/-0.074 χ^2/NDF : 2602787.6/37

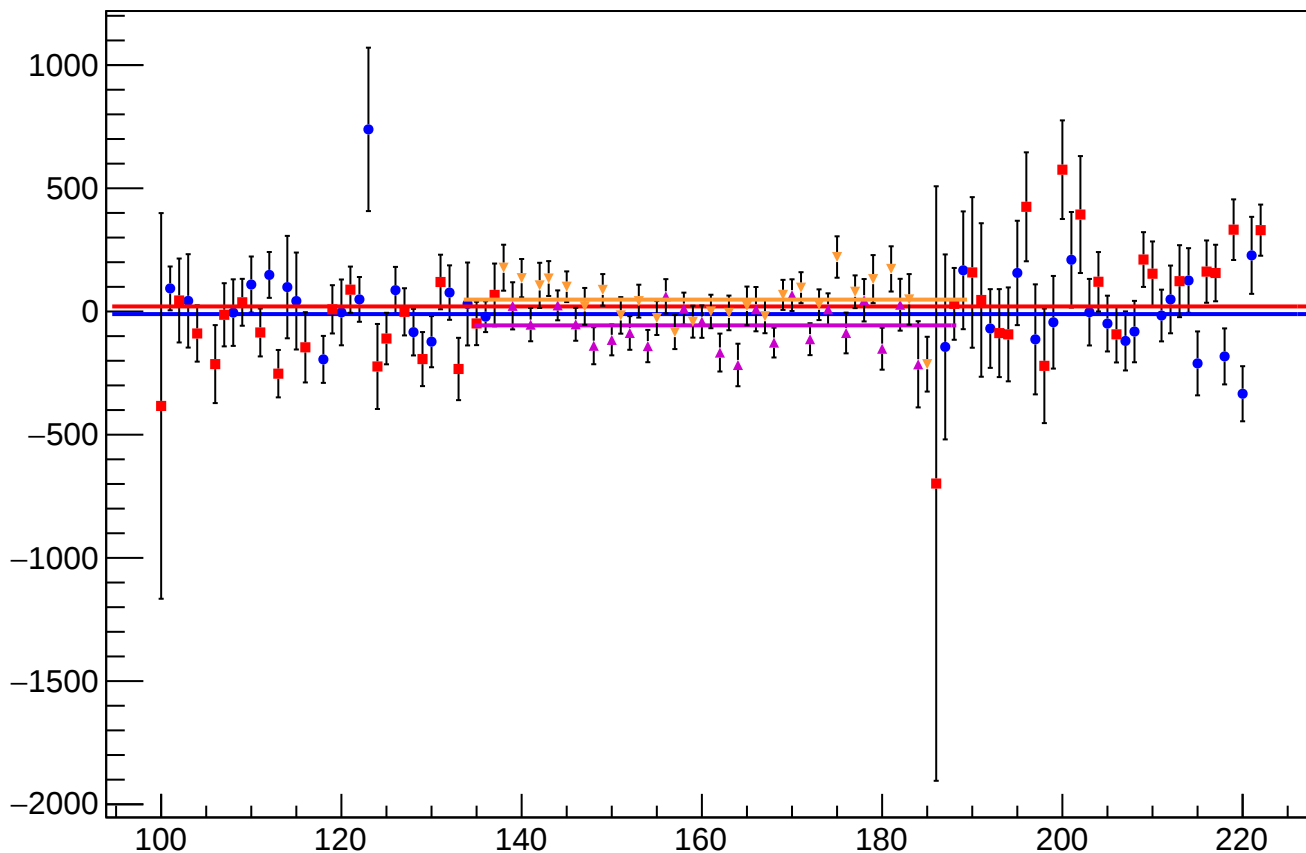
Left In: 174.288+/-0.030 χ^2/NDF :1344779.5/22

+ sign 211.676+/-0.027 χ^2/NDF : 15186610.0/59

All: 212.966+/-0.020 χ^2/NDF : 31607491.8/12

- sign 214.317+/-0.028 χ^2/NDF : 16416310.3/60

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -10.571 ± 20.739 χ^2/NDF : 39.5/34

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: 20.493 ± 20.870 χ^2/NDF : 67.6/37

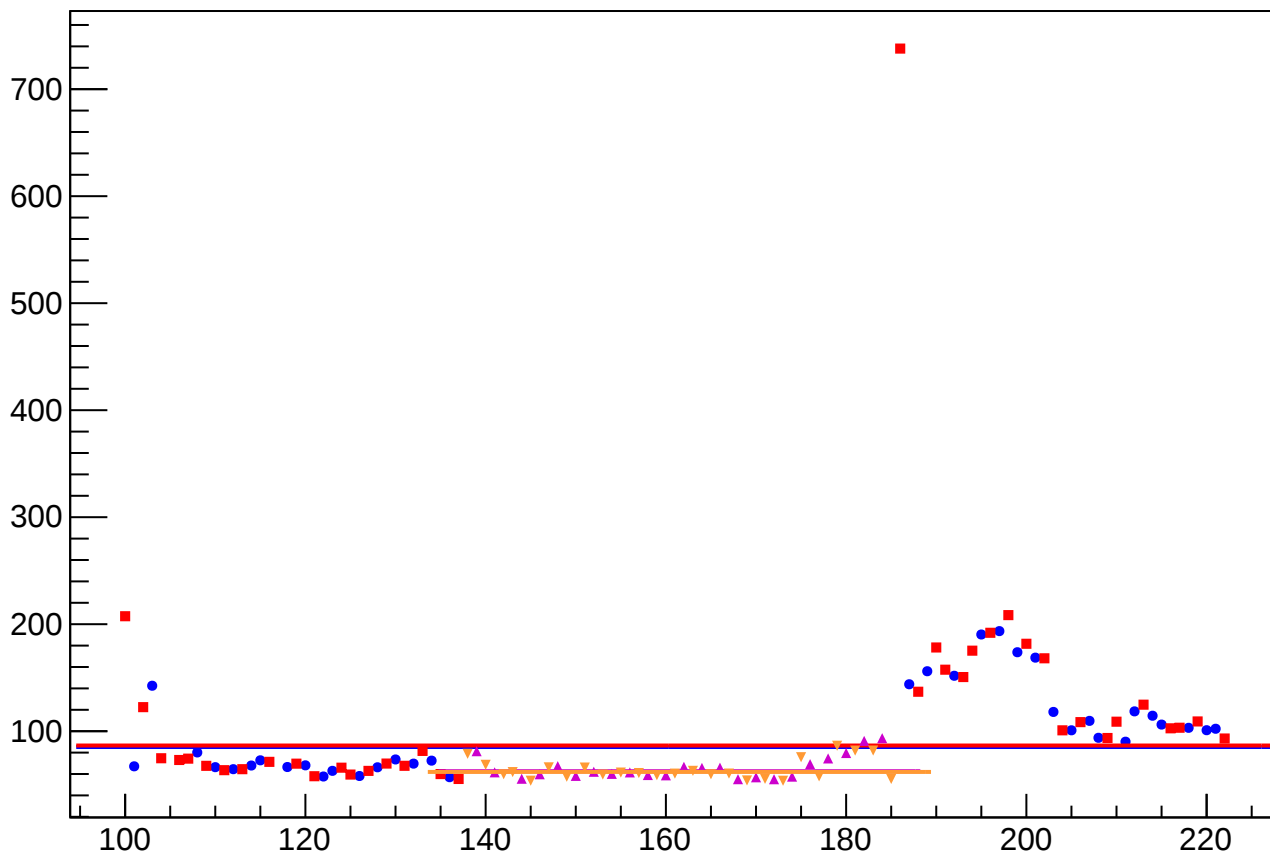
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 28.719 ± 11.947 χ^2/NDF : 74.1/59

All: 0.261 ± 8.562 χ^2/NDF : 189.7/120

- sign -29.793 ± 12.277 χ^2/NDF : 103.9/60

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 85.234 $\pm$ 0.015 χ^2 /NDF: 4460831.1/34

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 86.625 $\pm$ 0.015 χ^2 /NDF: 5396722.6/37

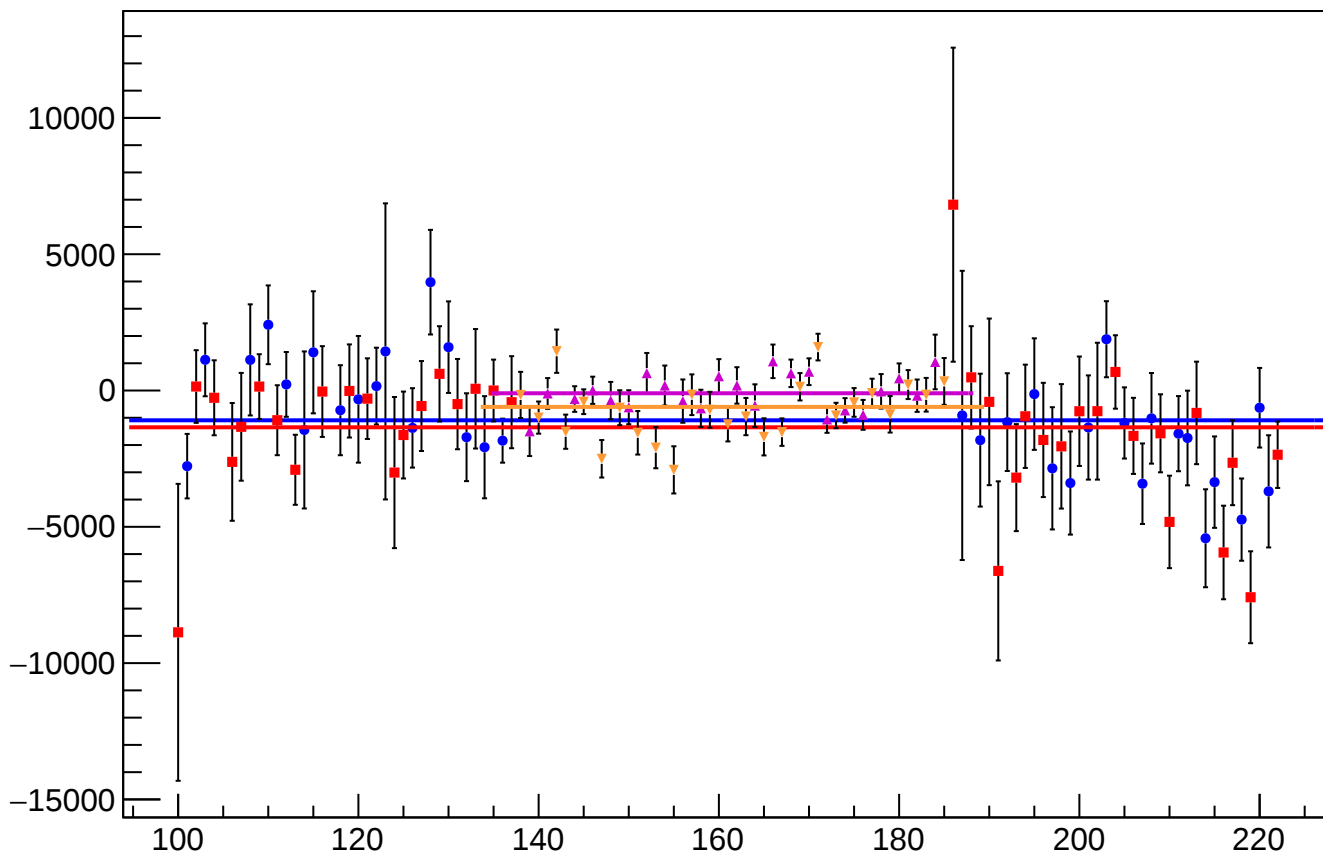
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 69.674 $\pm$ 0.008 χ^2 /NDF: 6750696.5/59

All: 70.280 $\pm$ 0.006 χ^2 /NDF: 14465686.0/120

- sign 70.919 $\pm$ 0.009 χ^2 /NDF: 7704434.6/60

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -1092.395 ± 272.089 χ^2/NDF : 51.2/34

Left Out: -601.486 ± 122.119 χ^2/NDF : 65.4/24

Right Out: -1349.582 ± 272.752 χ^2/NDF : 48.9/37

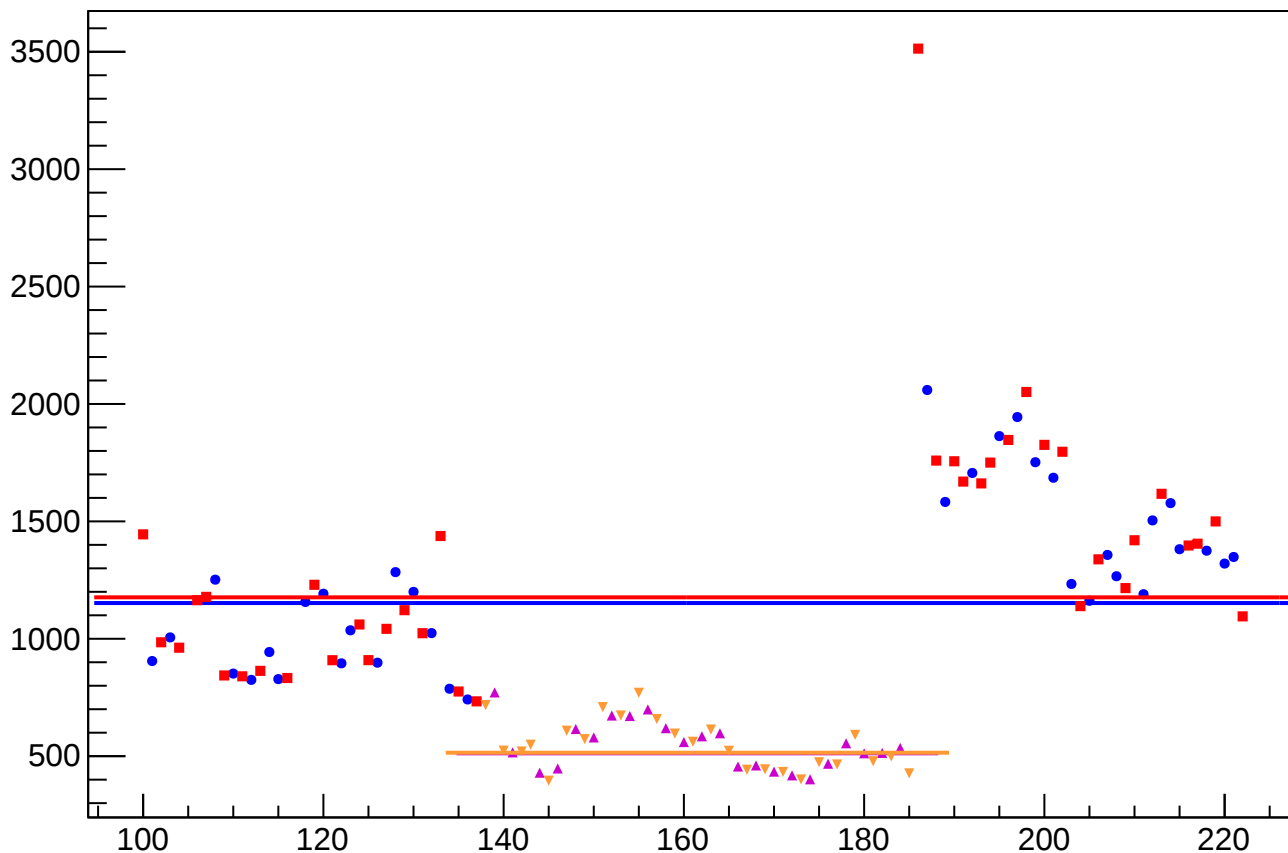
Left In: -100.548 ± 124.725 χ^2/NDF : 25.5/22

+ sign -683.794 ± 111.412 χ^2/NDF : 119.3/59

All: -503.470 ± 79.483 χ^2/NDF : 216.4/120

- sign -316.561 ± 113.428 χ^2/NDF : 91.7/60

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1152.197 $\pm$ 0.192 χ^2 /NDF: 2688800.2/34

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 1176.443 $\pm$ 0.193 χ^2 /NDF: 3283663.5/37

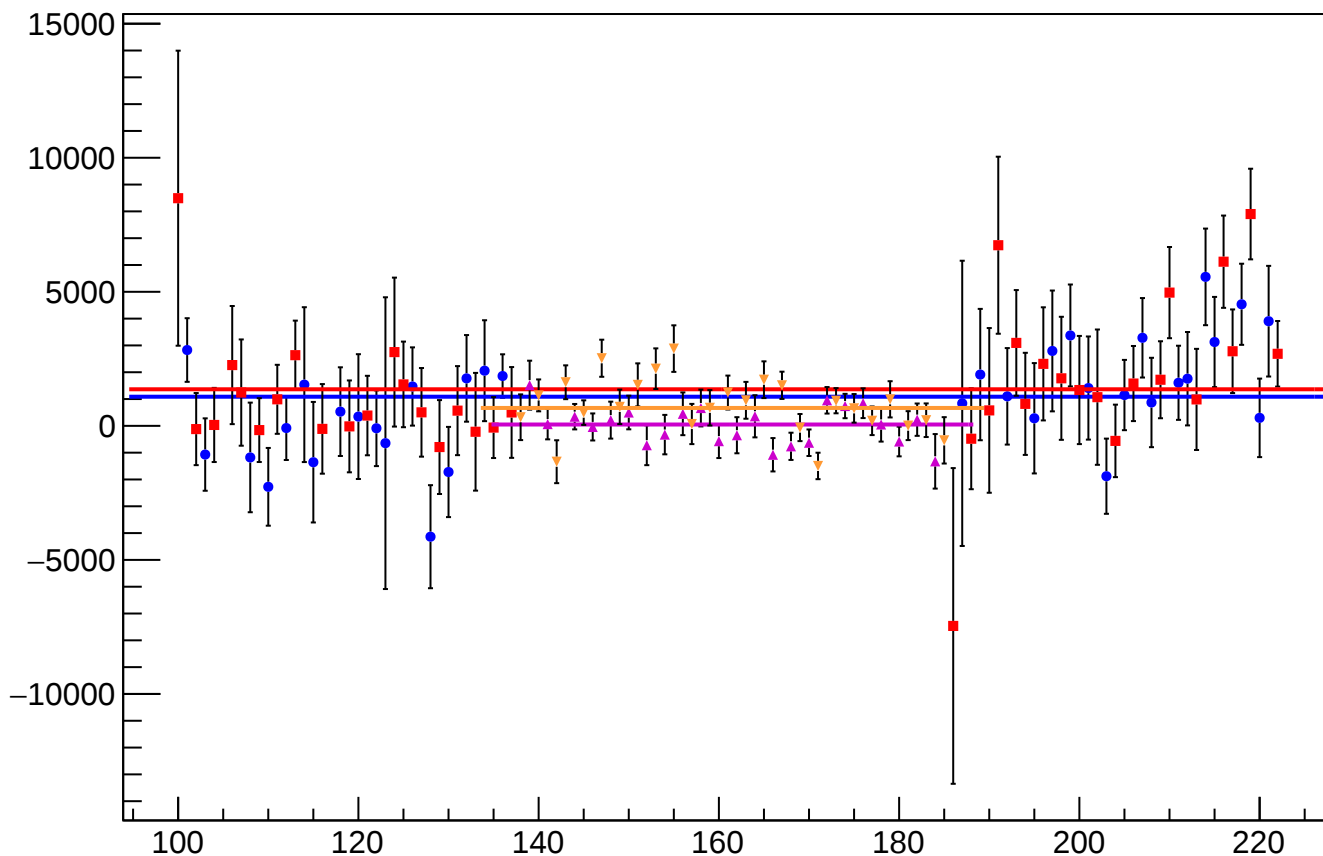
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 621.633 $\pm$ 0.079 χ^2 /NDF: 13020332.0/59

All: 624.306 $\pm$ 0.056 χ^2 /NDF: 27158023.1/12

- sign 627.076 $\pm$ 0.080 χ^2 /NDF: 14135347.2/60

asym_sam_12345678_avg_mean vs Slug



Right In: 1086.932 $\pm$ 273.069 χ^2 /NDF: 50.3/34

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF: 61.5/24

Right Out: 1364.213 $\pm$ 273.837 χ^2 /NDF: 51.5/37

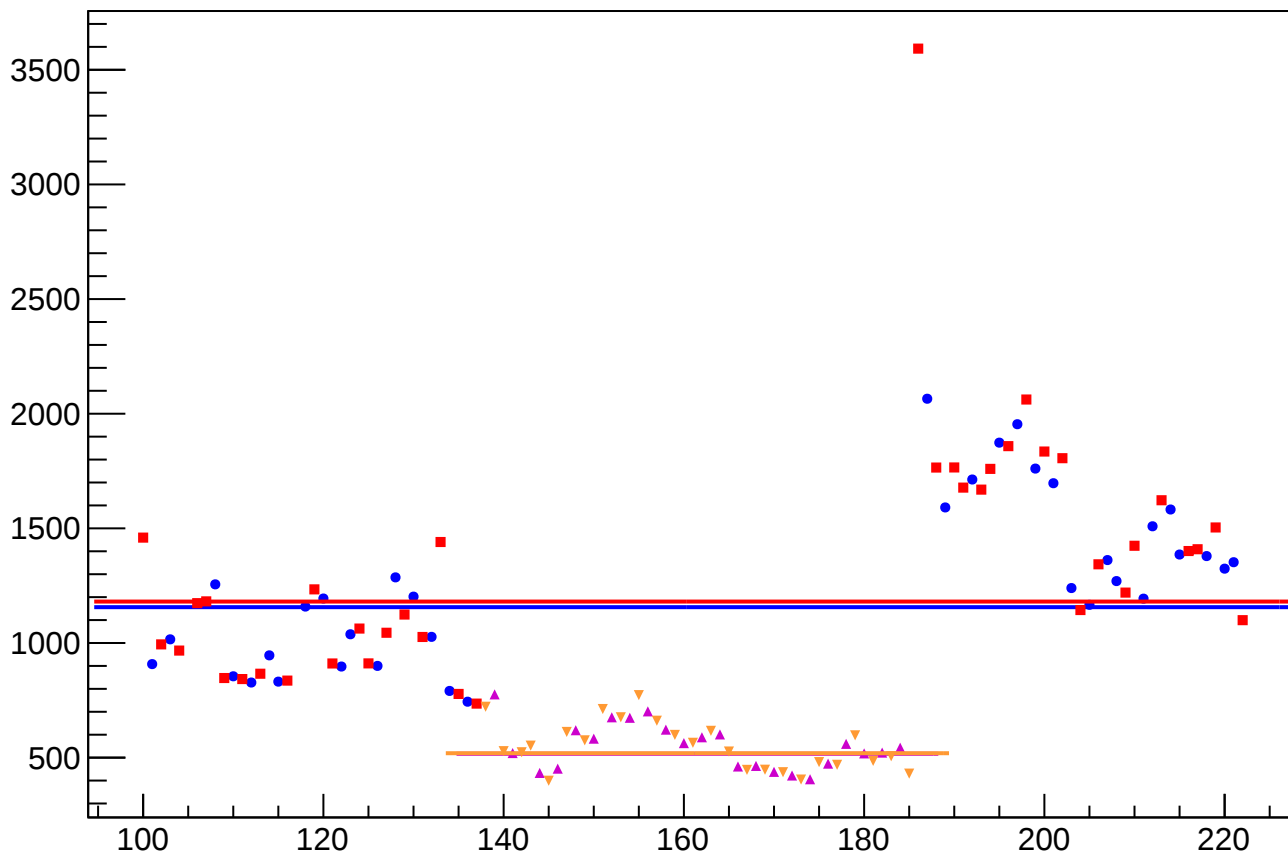
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF: 26.1/22

+ sign 738.489 $\pm$ 112.258 χ^2 /NDF: 113.8/59

All: 512.972 $\pm$ 80.097 χ^2 /NDF: 218.6/120

- sign 279.104 $\pm$ 114.318 χ^2 /NDF: 96.6/60

asym_sam_12345678_avg_rms vs Slug



Right In: 1156.264 $\pm$ 0.193 χ^2 /NDF: 2694062.6/34

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF: 1172411.1/24

Right Out: 1180.717 $\pm$ 0.194 χ^2 /NDF: 3296418.6/37

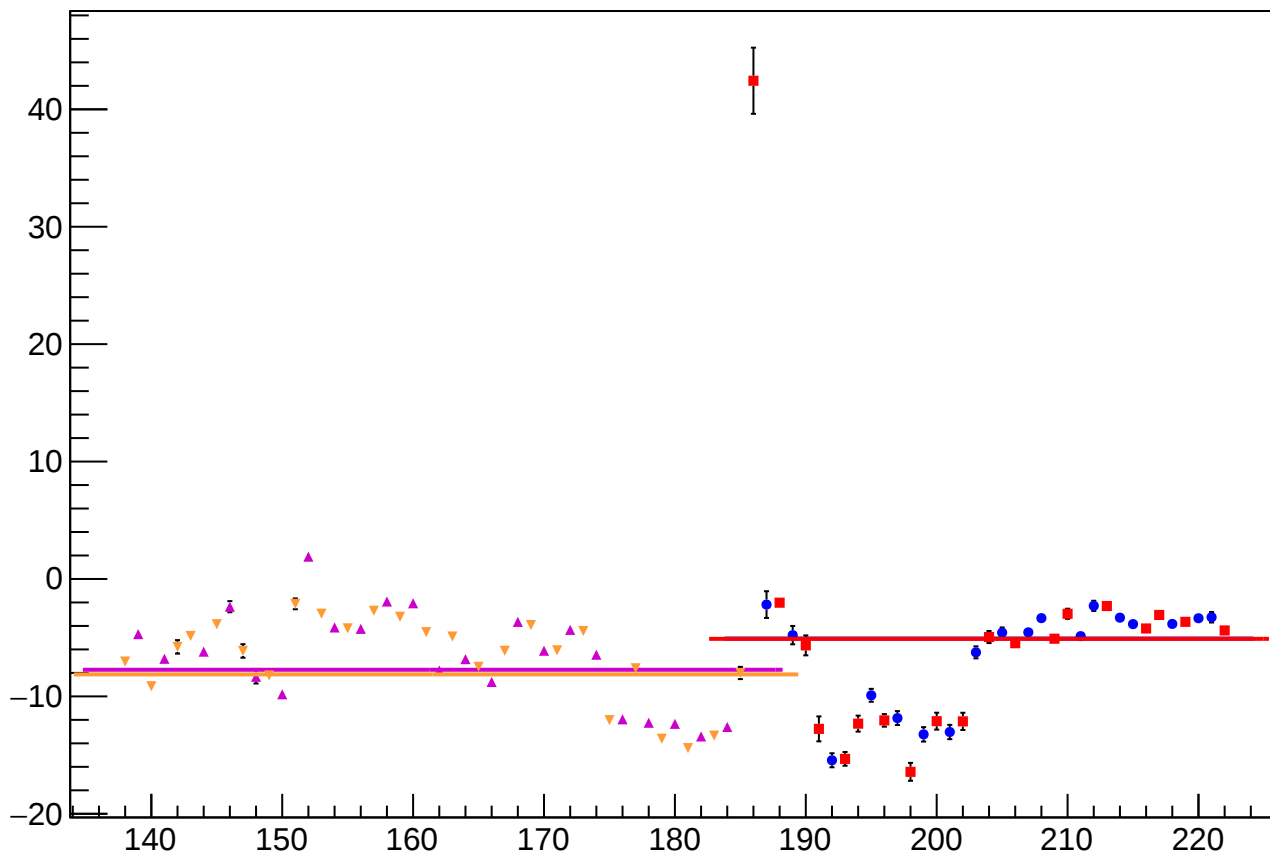
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF: 1021374.1/22

+ sign 626.910 $\pm$ 0.079 χ^2 /NDF: 12910860.1/59

All: 629.654 $\pm$ 0.057 χ^2 /NDF: 26938821.1/12

- sign 632.500 $\pm$ 0.081 χ^2 /NDF: 14025526.8/60

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.077 ± 0.099 χ^2/NDF : 1050.9/17

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -5.099 ± 0.099 χ^2/NDF : 1599.5/18

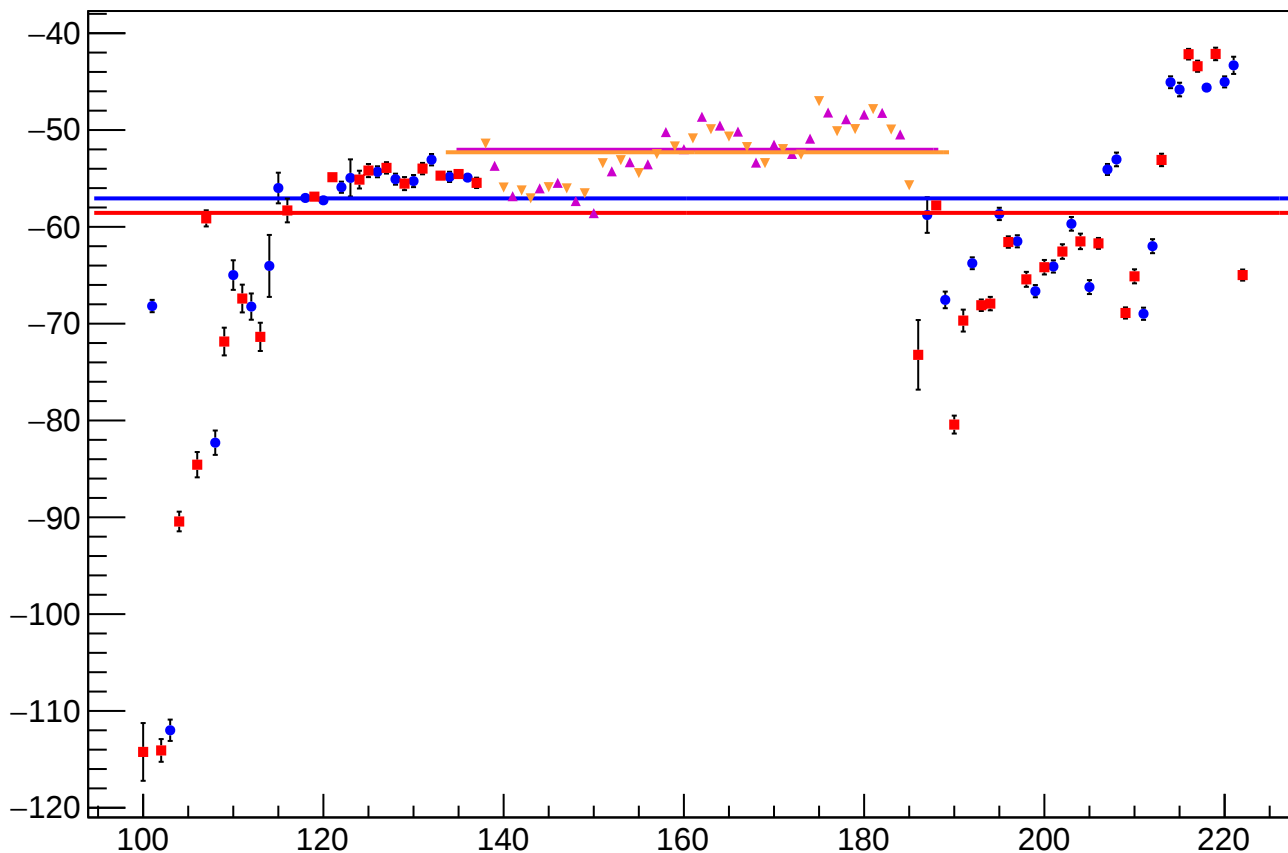
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -7.164 ± 0.056 χ^2/NDF : 5333.7/42

All: -7.021 ± 0.040 χ^2/NDF : 11142.2/84

- sign -6.874 ± 0.057 χ^2/NDF : 5795.2/41

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.062 ± 0.105 χ^2/NDF : 6688.3/34

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -58.557 ± 0.105 χ^2/NDF : 8913.9/37

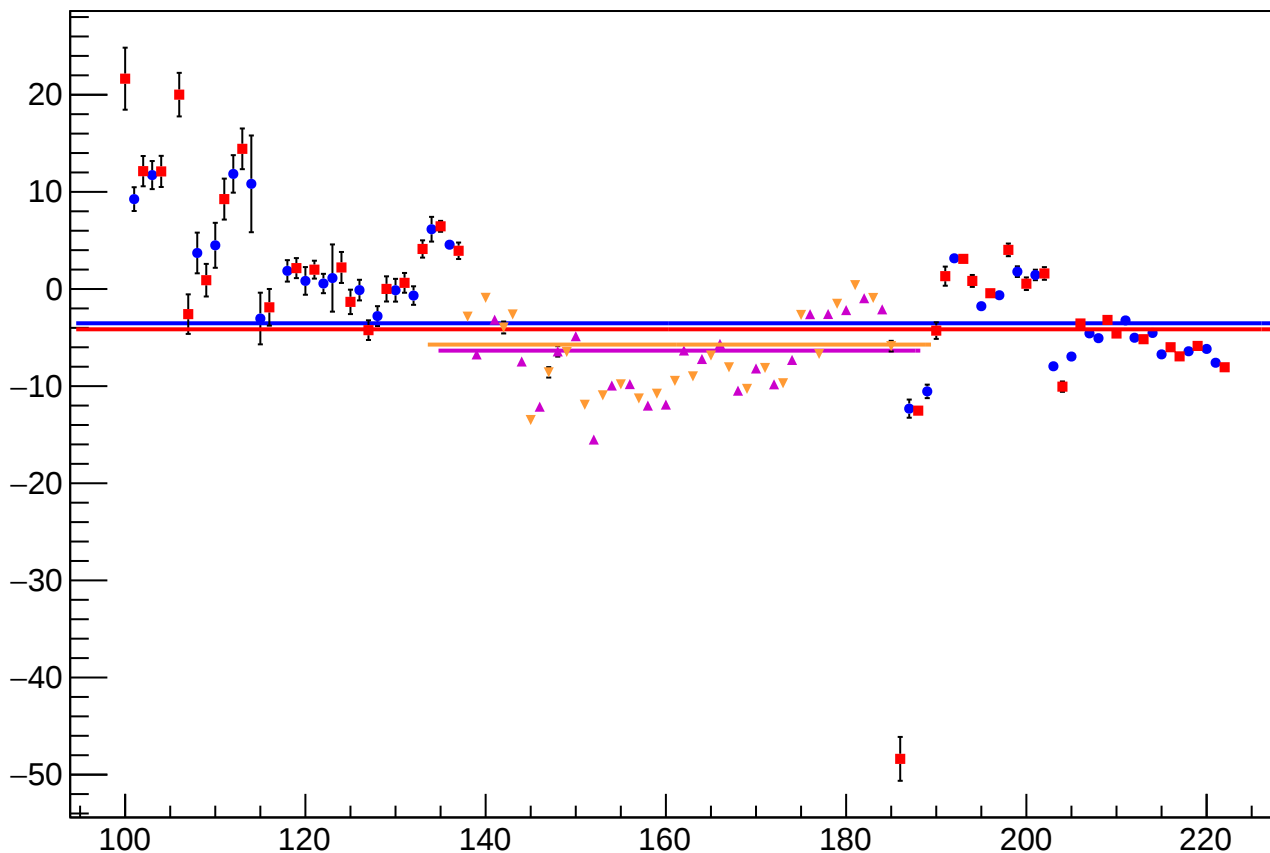
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.318 ± 0.049 χ^2/NDF : 10950.7/59

All: -53.425 ± 0.035 χ^2/NDF : 26050.4/120

- sign -53.539 ± 0.050 χ^2/NDF : 15089.8/60

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -3.529 ± 0.094 χ^2/NDF : 1891.6/34

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -4.149 ± 0.093 χ^2/NDF : 3544.0/37

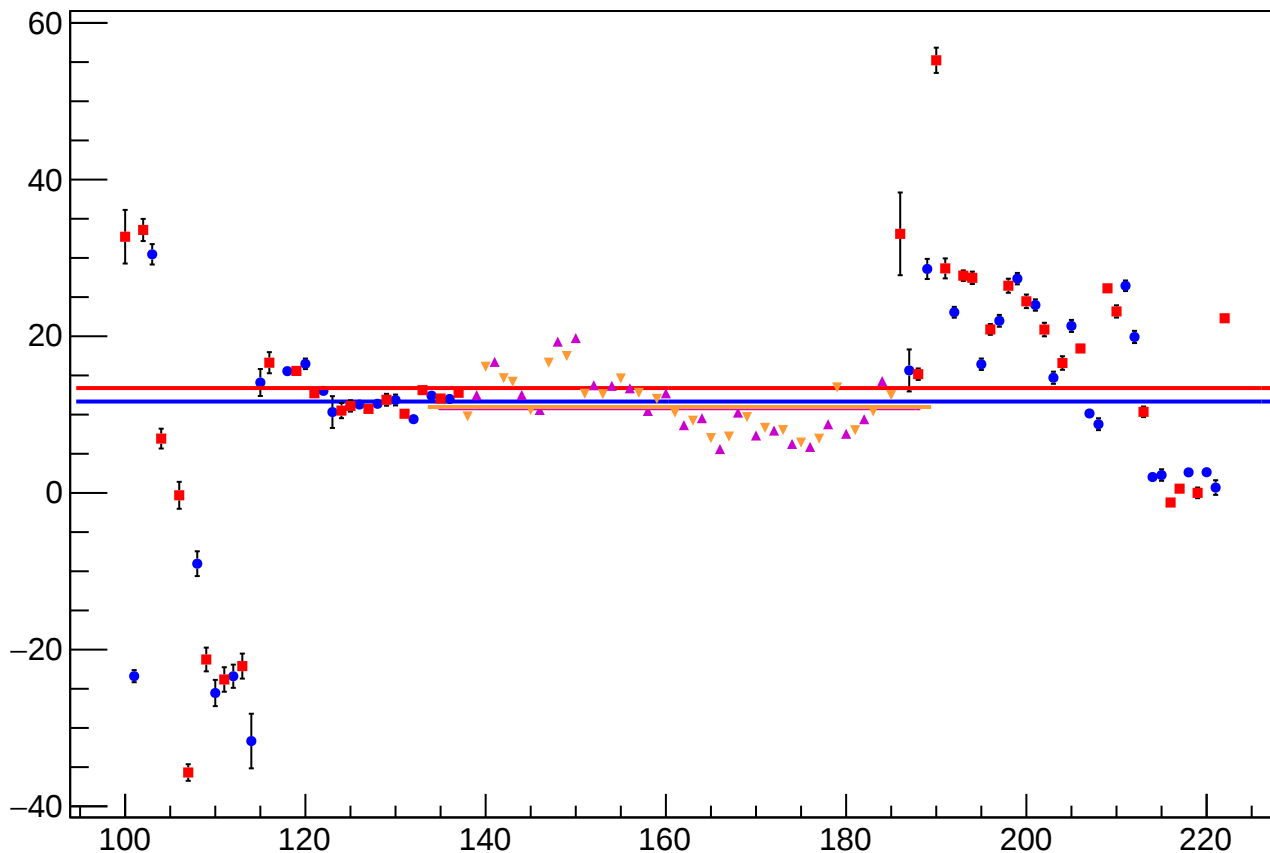
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.977 ± 0.055 χ^2/NDF : 6232.2/59

All: -5.273 ± 0.039 χ^2/NDF : 13577.9/120

- sign -5.573 ± 0.055 χ^2/NDF : 7287.3/60

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 11.669 ± 0.116 χ^2/NDF : 7063.2/34

Left Out: 10.967 ± 0.061 χ^2/NDF : 2637.7/24

Right Out: 13.387 ± 0.117 χ^2/NDF : 8760.0/37

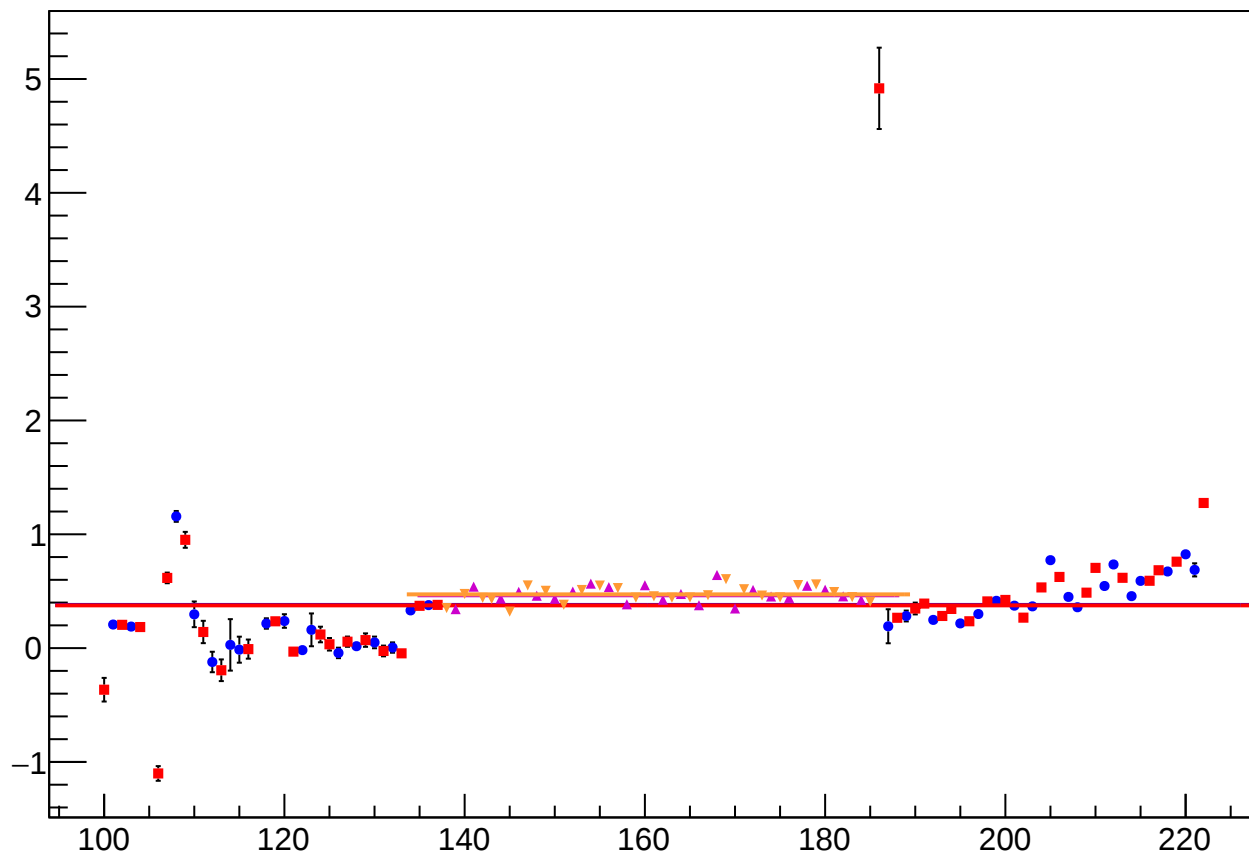
Left In: 10.813 ± 0.063 χ^2/NDF : 3546.8/22

+ sign 11.120 ± 0.054 χ^2/NDF : 9729.4/59

All: 11.254 ± 0.039 χ^2/NDF : 22423.3/120

- sign 11.394 ± 0.056 χ^2/NDF : 12681.5/60

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.379 ± 0.005 χ^2/NDF : 1428.2/34

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.376 ± 0.005 χ^2/NDF : 2606.2/37

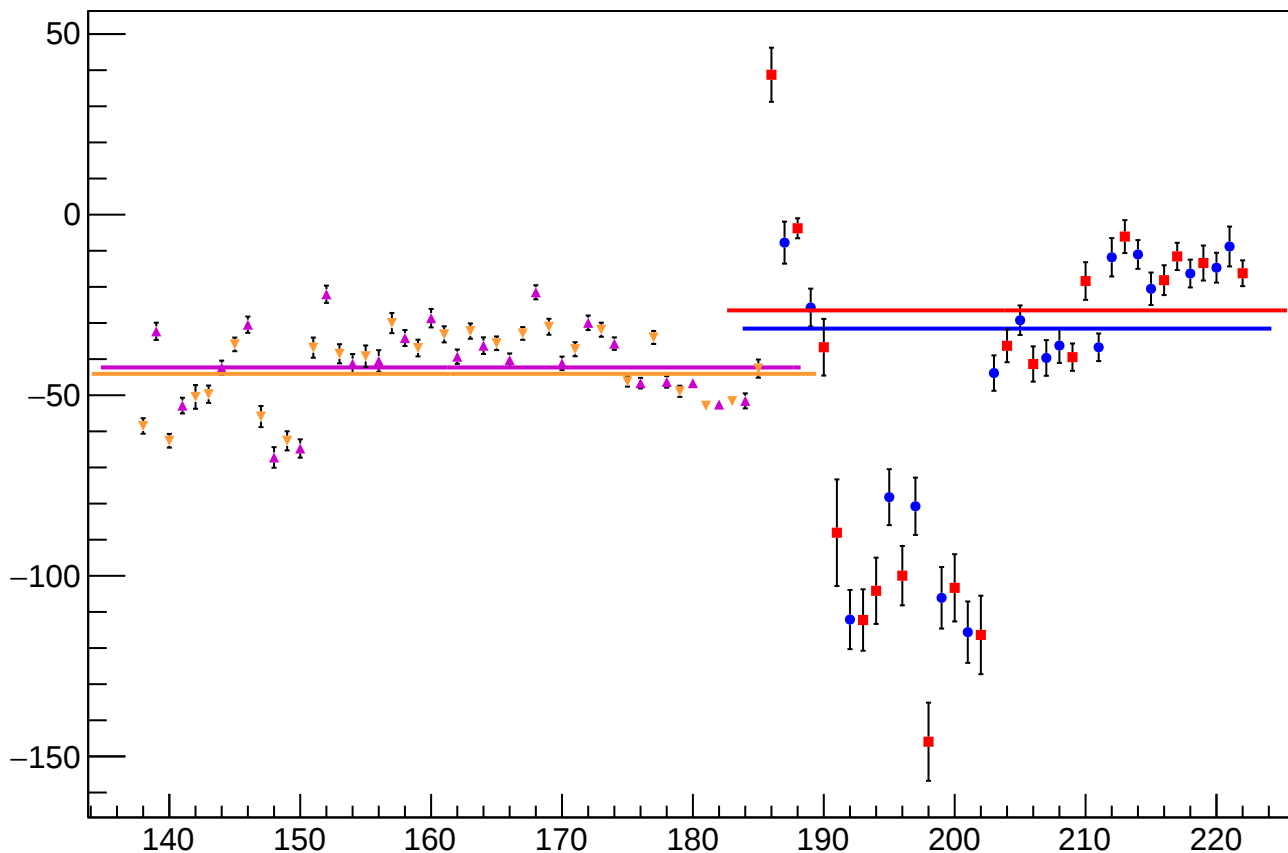
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.452 ± 0.002 χ^2/NDF : 2194.2/59

All: 0.449 ± 0.002 χ^2/NDF : 5755.6/120

- sign 0.445 ± 0.002 χ^2/NDF : 3557.6/60

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -31.548 ± 1.193 χ^2/NDF : 471.6/17

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -26.508 ± 1.168 χ^2/NDF : 757.2/18

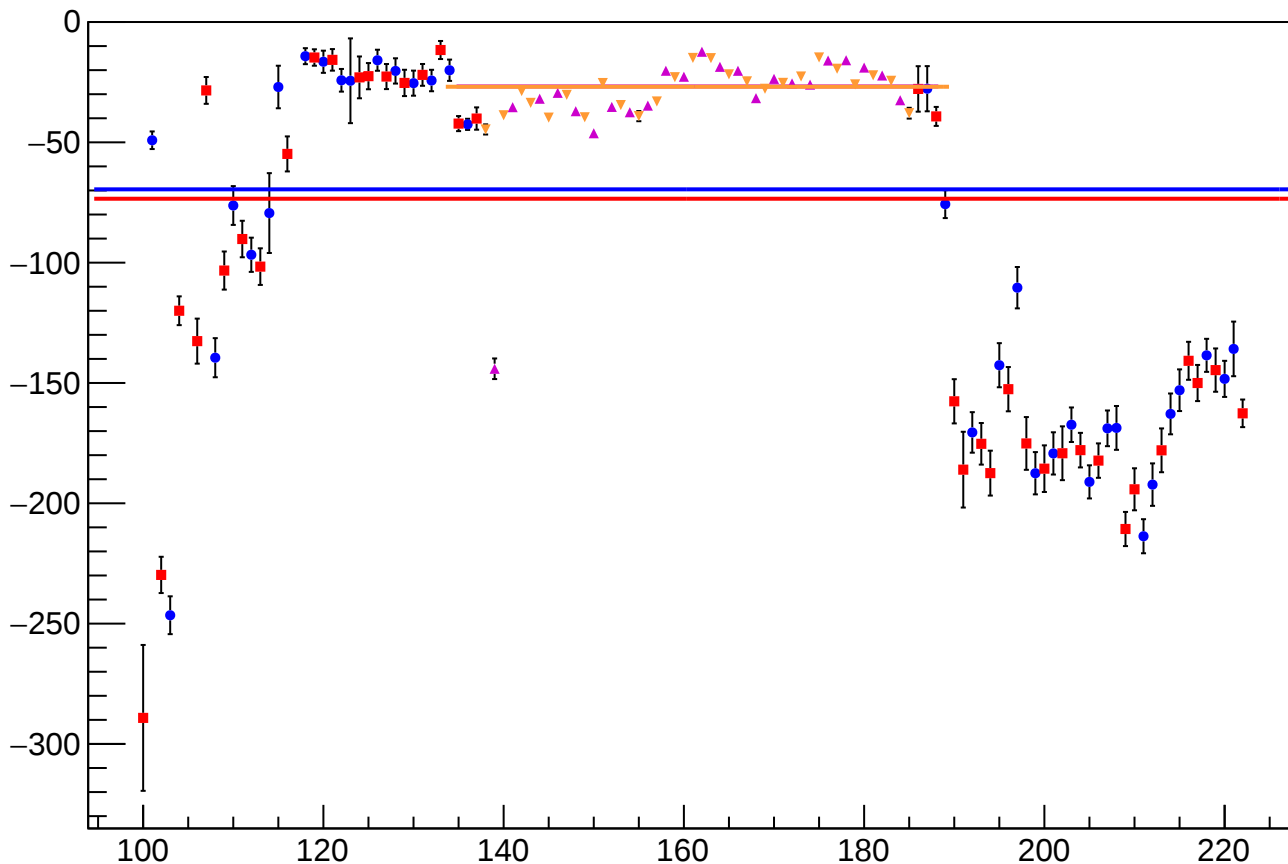
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -42.876 ± 0.370 χ^2/NDF : 1203.8/42

All: -41.789 ± 0.264 χ^2/NDF : 2783.1/84

- sign -40.652 ± 0.378 χ^2/NDF : 1561.6/41

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -69.534 ± 0.980 $\chi^2/\text{NDF}: 4284.5/34$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -73.438 ± 1.002 $\chi^2/\text{NDF}: 4519.1/37$

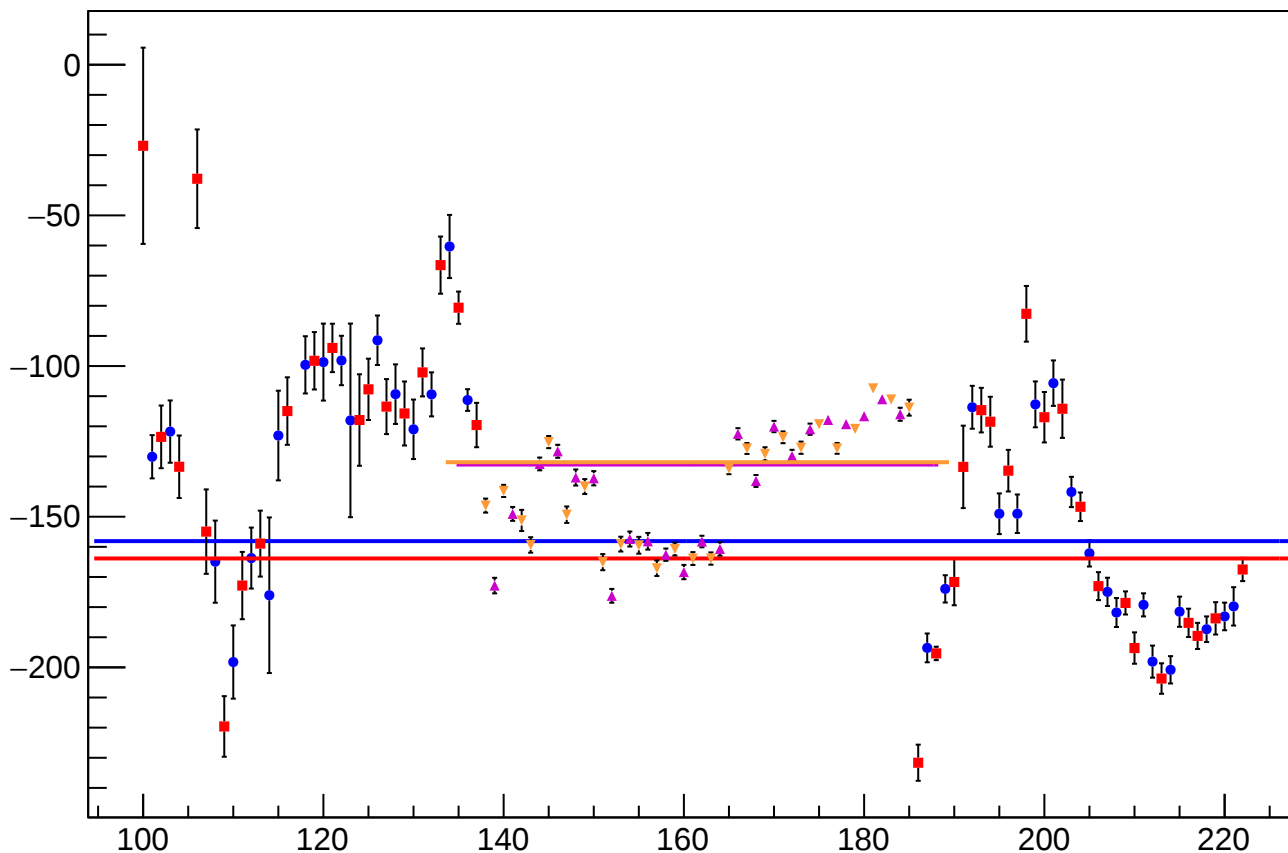
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -30.921 ± 0.301 $\chi^2/\text{NDF}: 6628.6/59$

All: -31.081 ± 0.216 $\chi^2/\text{NDF}: 14504.5/120$

- sign -31.250 ± 0.310 $\chi^2/\text{NDF}: 7875.3/60$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -158.101 ± 1.041 χ^2/NDF : 1093.6/34

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -163.853 ± 1.010 χ^2/NDF : 1566.5/37

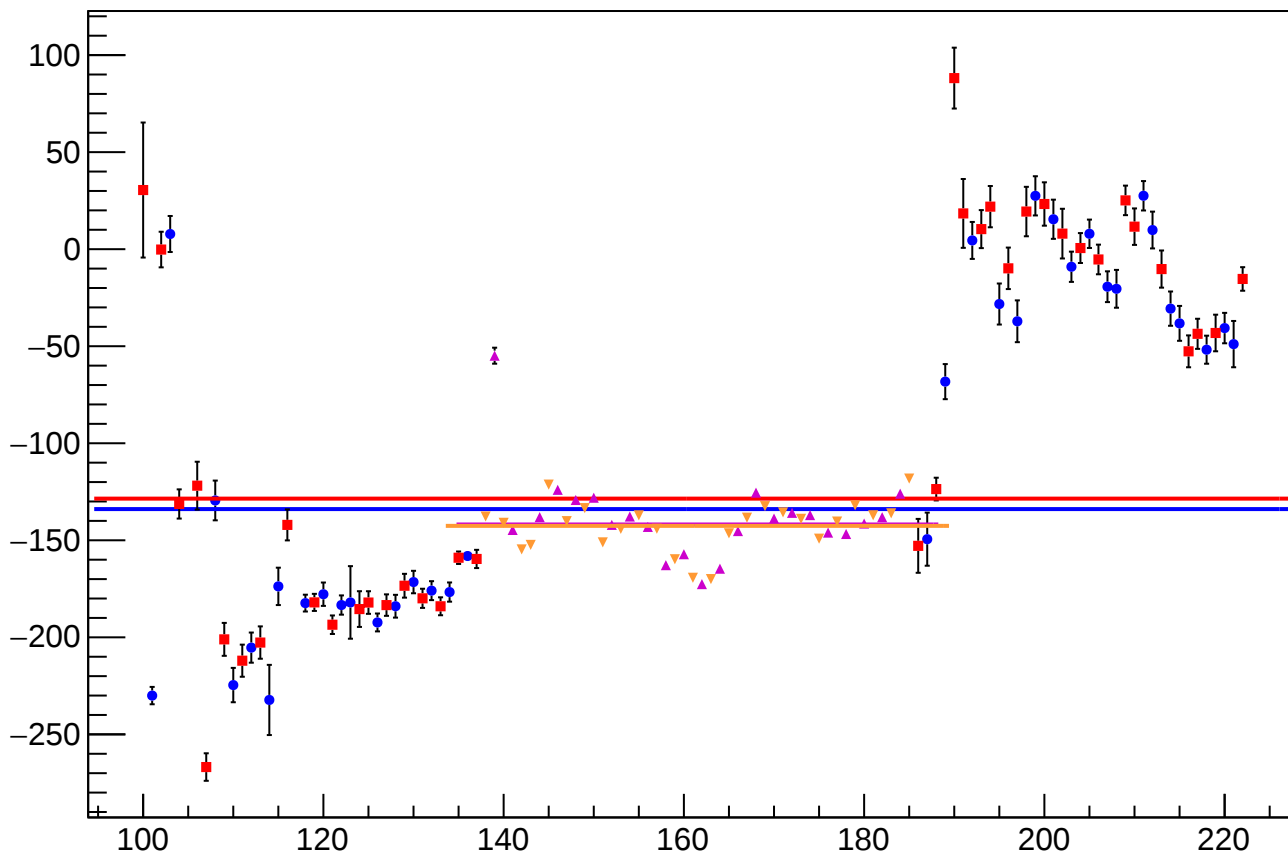
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -135.159 ± 0.366 χ^2/NDF : 4087.9/59

All: -136.022 ± 0.261 χ^2/NDF : 8969.8/120

- sign -136.908 ± 0.371 χ^2/NDF : 4870.7/60

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -133.917 ± 1.094 $\chi^2/\text{NDF}: 4901.4/34$

Left Out: -142.564 ± 0.354 $\chi^2/\text{NDF}: 1147.7/24$

Right Out: -128.528 ± 1.136 $\chi^2/\text{NDF}: 5027.8/37$

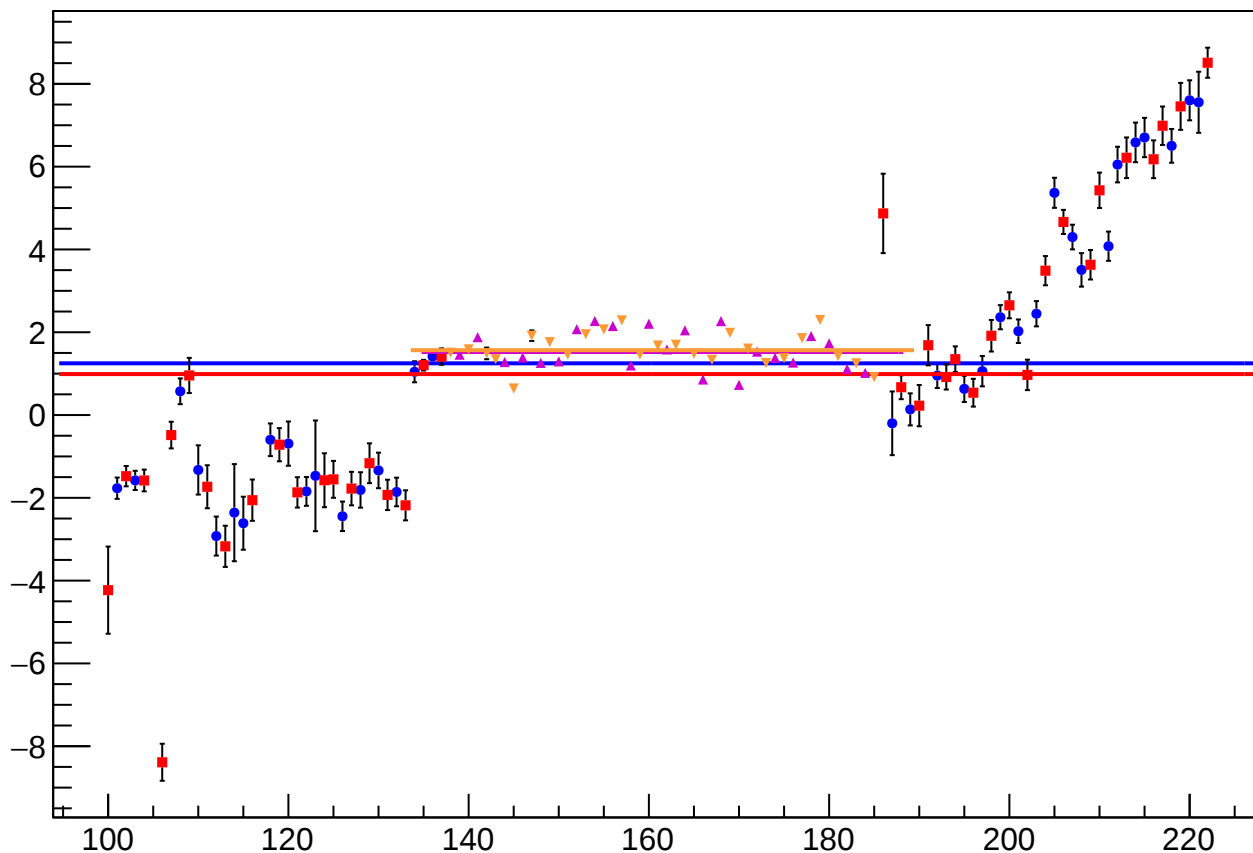
Left In: -141.856 ± 0.364 $\chi^2/\text{NDF}: 1544.3/22$

+ sign -141.745 ± 0.337 $\chi^2/\text{NDF}: 6105.6/59$

All: -141.197 ± 0.241 $\chi^2/\text{NDF}: 12808.0/120$

- sign -140.617 ± 0.346 $\chi^2/\text{NDF}: 6696.9/60$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.249 $\pm$ 0.053 χ^2 /NDF: 2007.1/34

Left Out: 1.566 $\pm$ 0.016 χ^2 /NDF: 542.8/24

Right Out: 0.989 $\pm$ 0.055 χ^2 /NDF: 2554.5/37

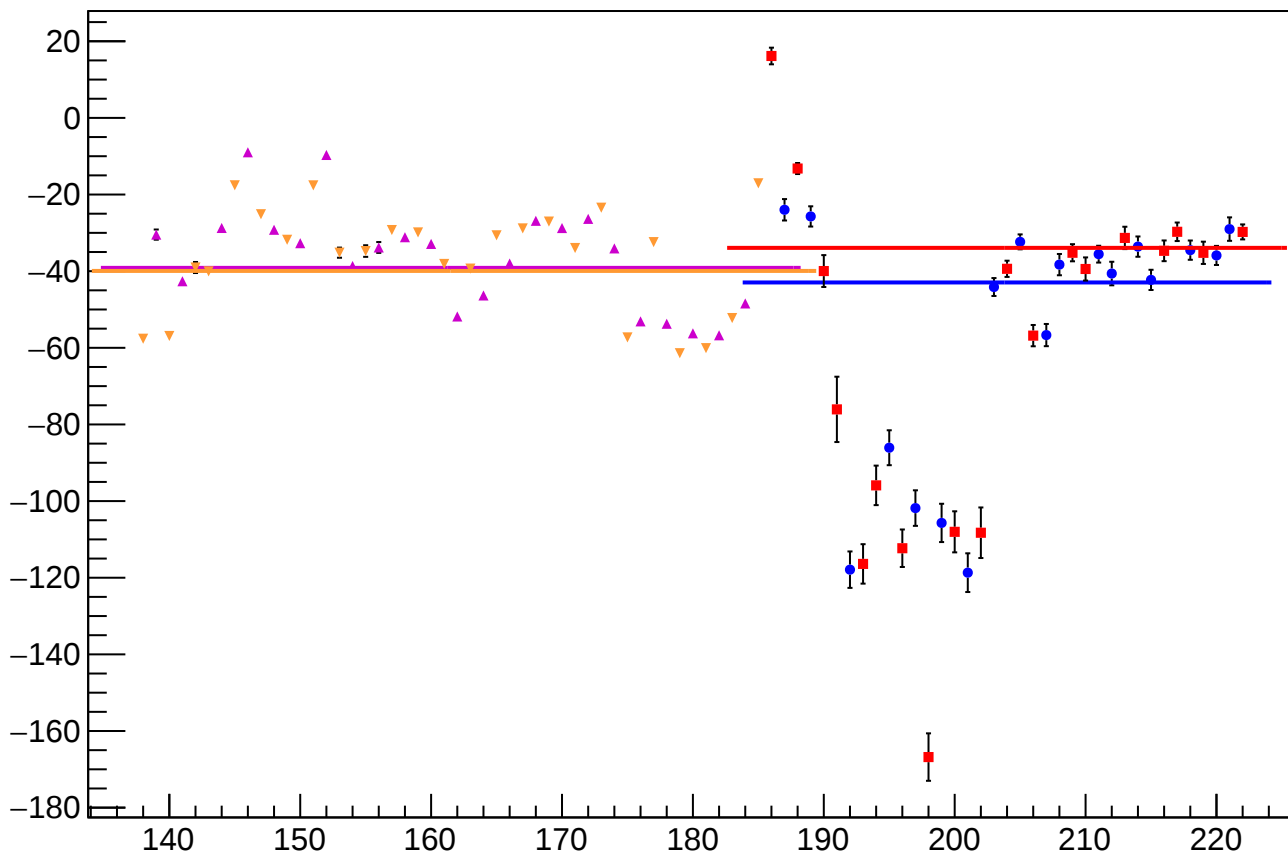
Left In: 1.523 $\pm$ 0.017 χ^2 /NDF: 738.5/22

+ sign 1.539 $\pm$ 0.015 χ^2 /NDF: 2582.3/59

All: 1.510 $\pm$ 0.011 χ^2 /NDF: 5968.8/120

- sign 1.479 $\pm$ 0.016 χ^2 /NDF: 3379.1/60

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -42.946 ± 0.673 χ^2/NDF : 1089.7/17

Left Out: -39.935 ± 0.153 χ^2/NDF : 9806.5/24

Right Out: -33.917 ± 0.641 χ^2/NDF : 2288.6/18

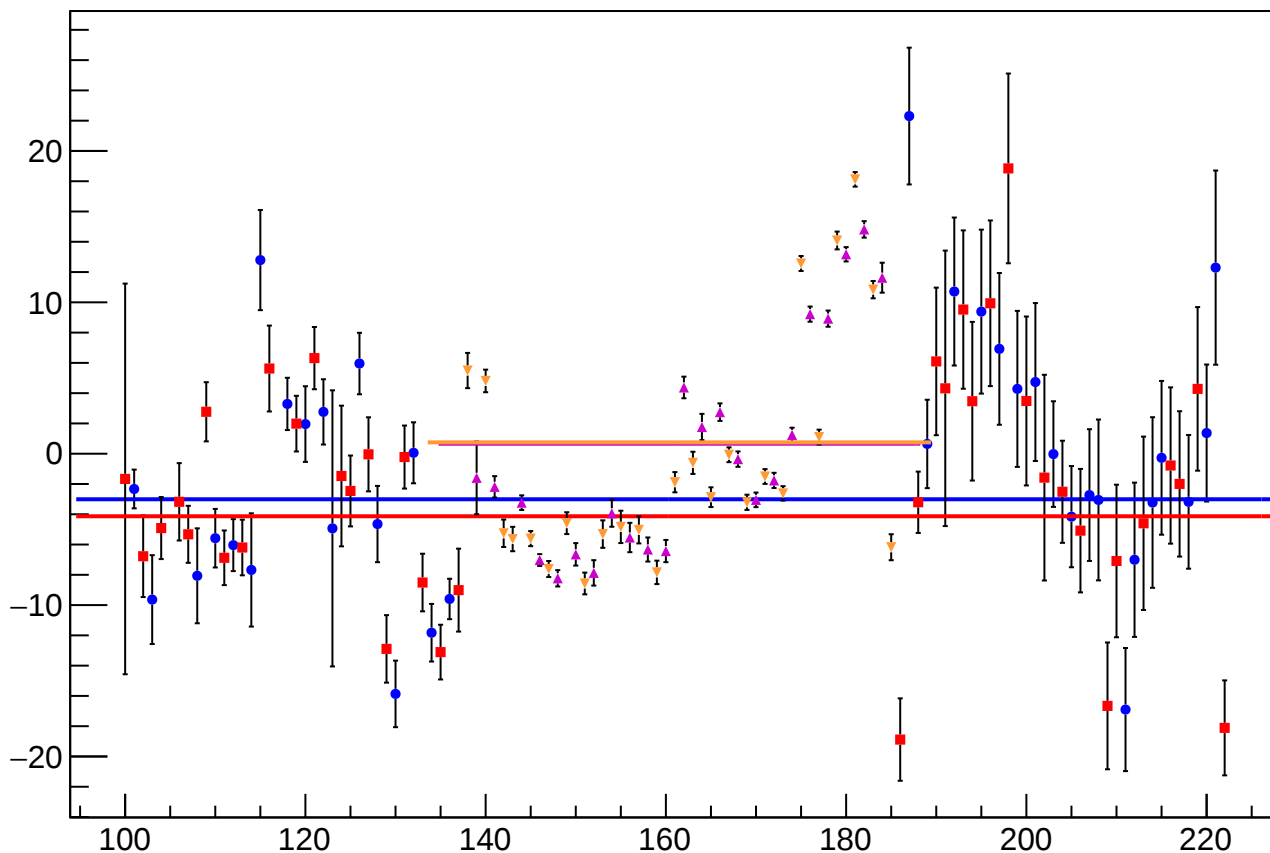
Left In: -39.137 ± 0.155 χ^2/NDF : 8534.5/22

+ sign -40.083 ± 0.149 χ^2/NDF : 10915.3/42

All: -39.471 ± 0.106 χ^2/NDF : 21834.9/84

- sign -38.850 ± 0.150 χ^2/NDF : 10885.8/41

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.010 ± 0.451 $\chi^2/\text{NDF}: 238.2/34$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -4.133 ± 0.448 $\chi^2/\text{NDF}: 220.5/37$

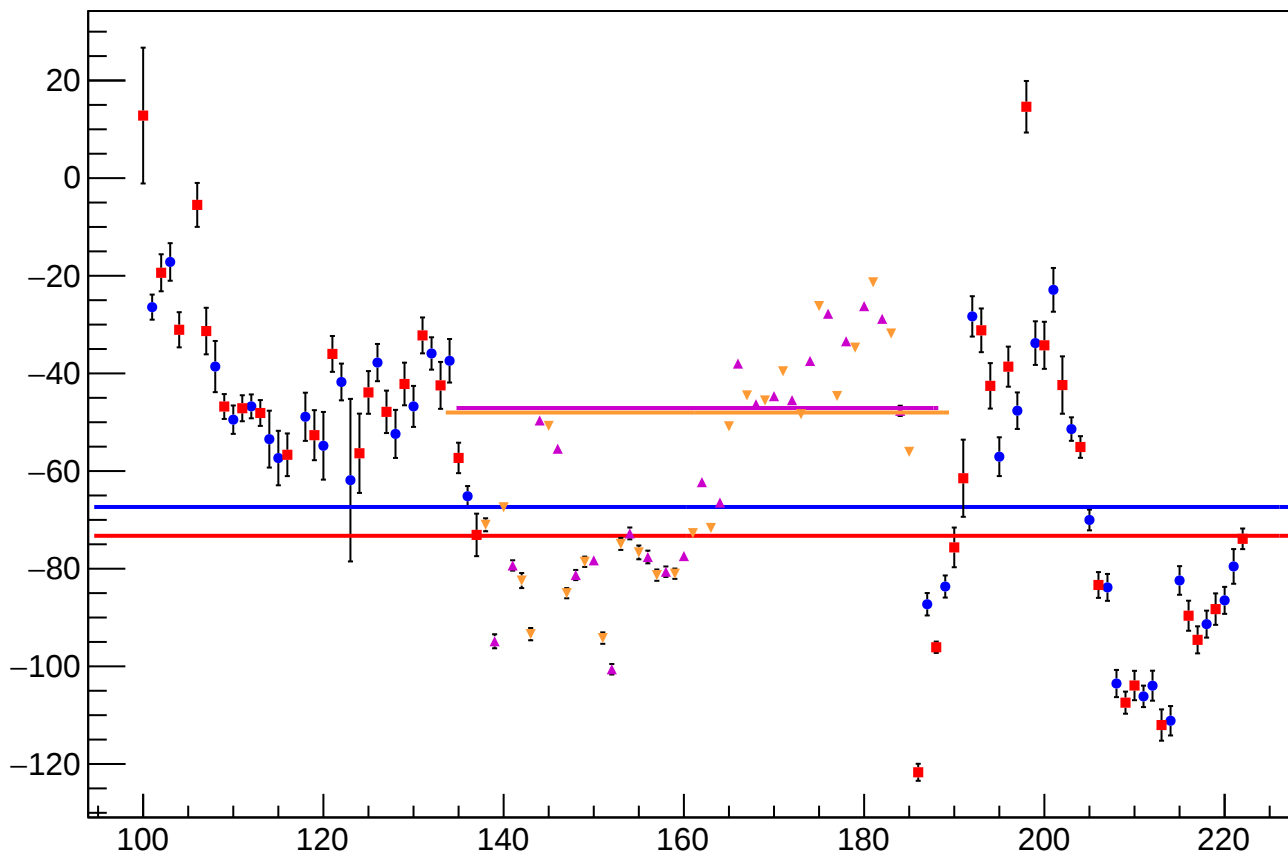
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.484 ± 0.120 $\chi^2/\text{NDF}: 4273.7/59$

All: 0.400 ± 0.085 $\chi^2/\text{NDF}: 7939.4/120$

- sign 0.317 ± 0.120 $\chi^2/\text{NDF}: 3664.7/60$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -67.357 ± 0.535 $\chi^2/\text{NDF}: 2346.4/34$

Left Out: -48.008 ± 0.155 $\chi^2/\text{NDF}: 16950.0/24$

Right Out: -73.261 ± 0.499 $\chi^2/\text{NDF}: 3839.1/37$

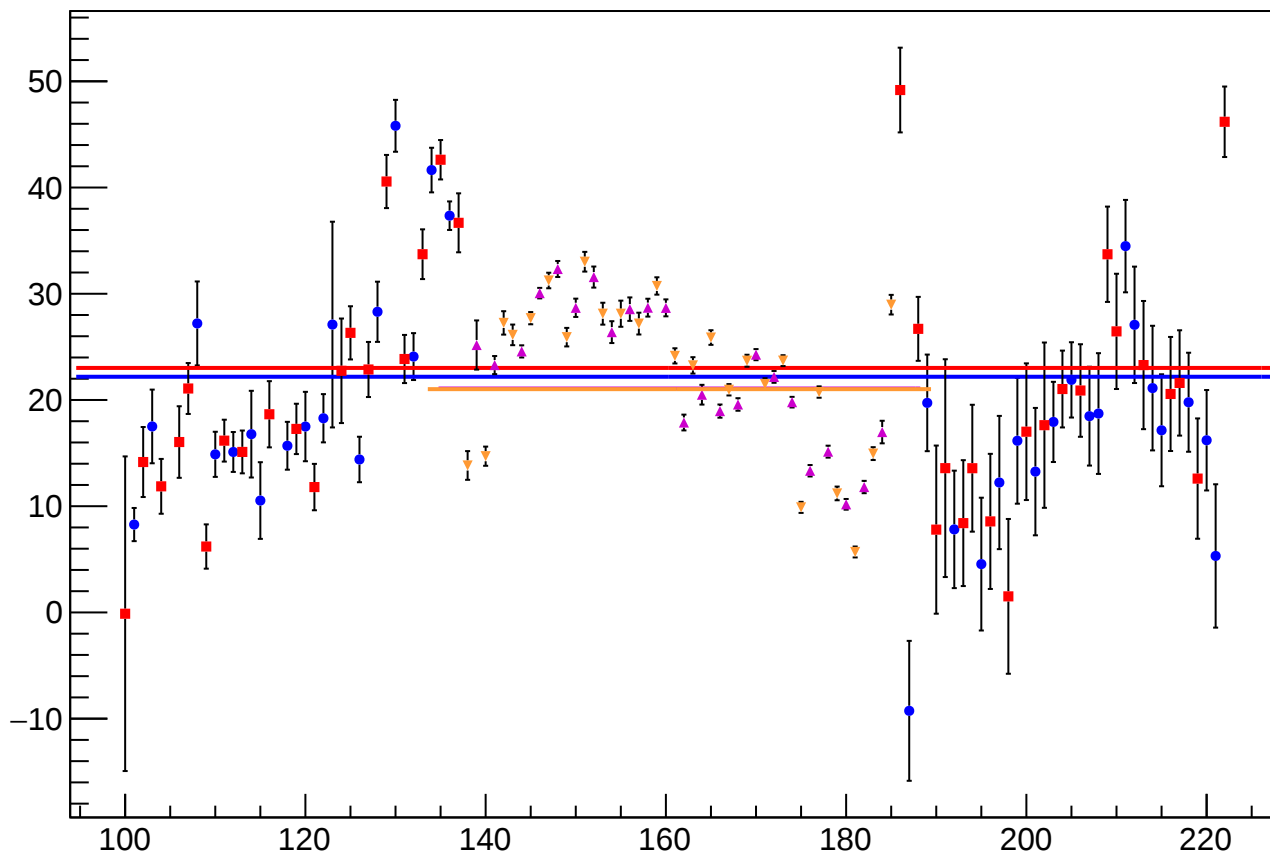
Left In: -47.085 ± 0.155 $\chi^2/\text{NDF}: 15515.2/22$

+ sign -49.498 ± 0.149 $\chi^2/\text{NDF}: 20502.1/59$

All: -49.447 ± 0.105 $\chi^2/\text{NDF}: 42362.8/120$

- sign -49.395 ± 0.148 $\chi^2/\text{NDF}: 21860.5/60$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.186 $\pm$ 0.507 χ^2 /NDF: 523.8/34

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF:2799.3/24

Right Out: 23.017 $\pm$ 0.512 χ^2 /NDF: 499.6/37

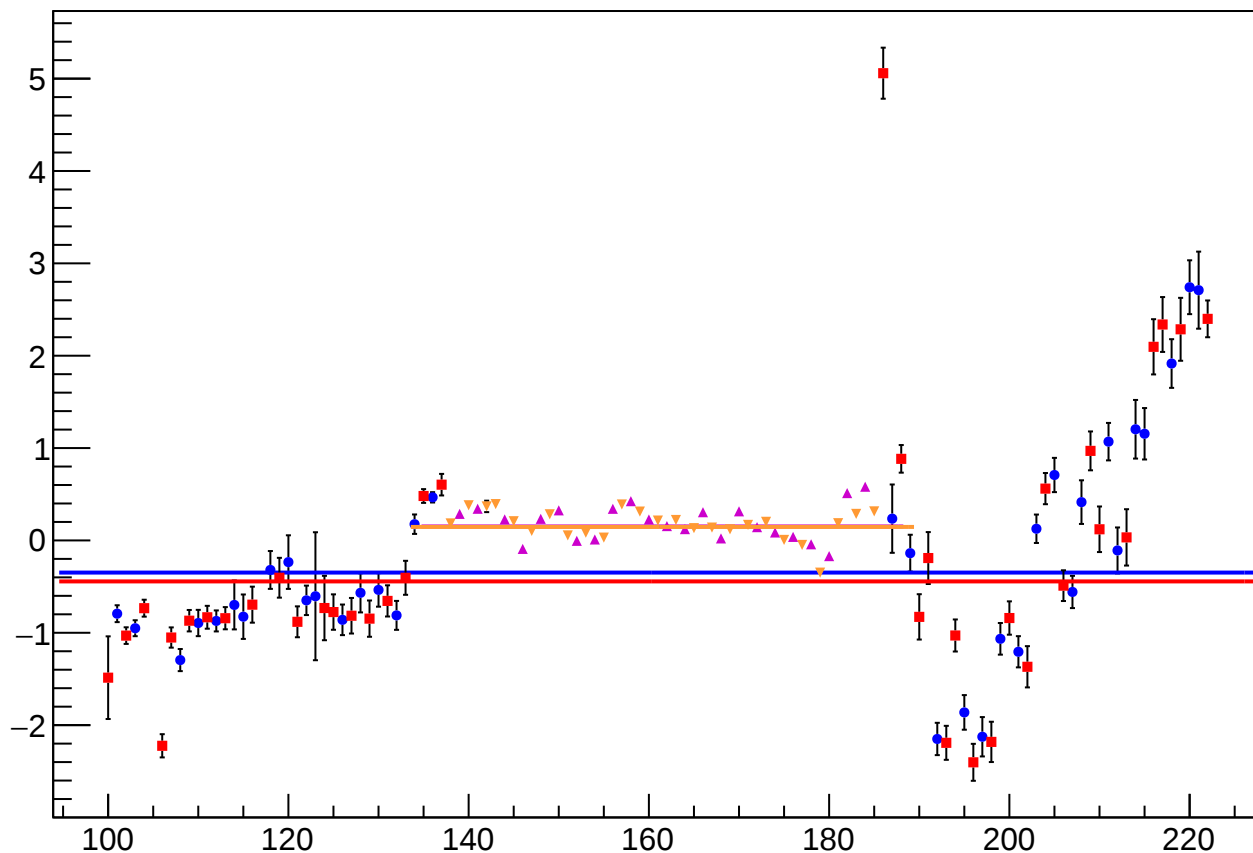
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

+ sign 21.101 $\pm$ 0.134 χ^2 /NDF: 3328.0/59

All: 21.157 $\pm$ 0.095 χ^2 /NDF: 6014.6/120

- sign 21.213 $\pm$ 0.135 χ^2 /NDF: 2686.2/60

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.348 ± 0.026 $\chi^2/\text{NDF}: 1122.8/34$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.444 ± 0.026 $\chi^2/\text{NDF}: 1856.9/37$

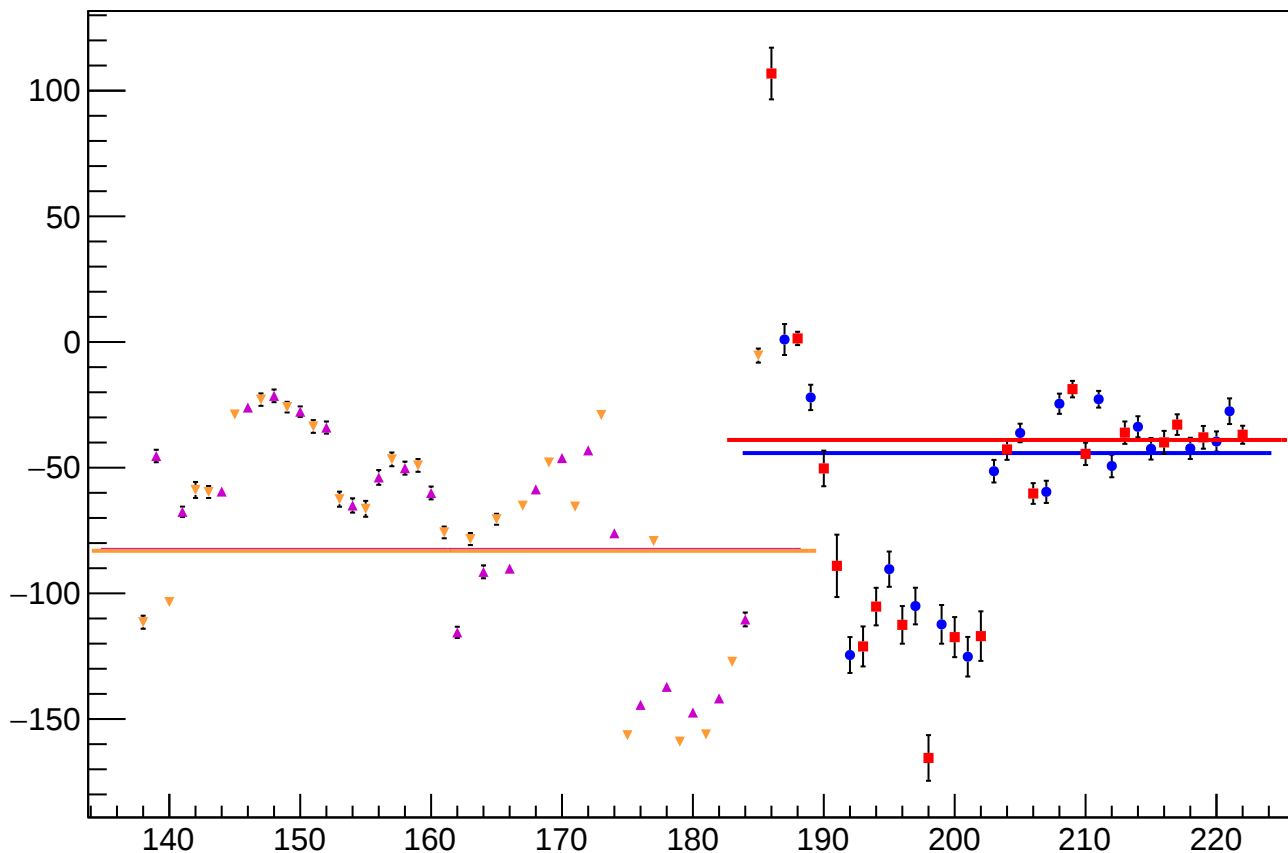
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.118 ± 0.006 $\chi^2/\text{NDF}: 2079.1/59$

All: 0.117 ± 0.004 $\chi^2/\text{NDF}: 5311.0/120$

- sign 0.116 ± 0.006 $\chi^2/\text{NDF}: 3231.9/60$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -44.184 ± 1.118 $\chi^2/\text{NDF}: 601.4/17$

Left Out: -83.068 ± 0.406 $\chi^2/\text{NDF}: 13817.3/24$

Right Out: -38.967 ± 1.110 $\chi^2/\text{NDF}: 1156.8/18$

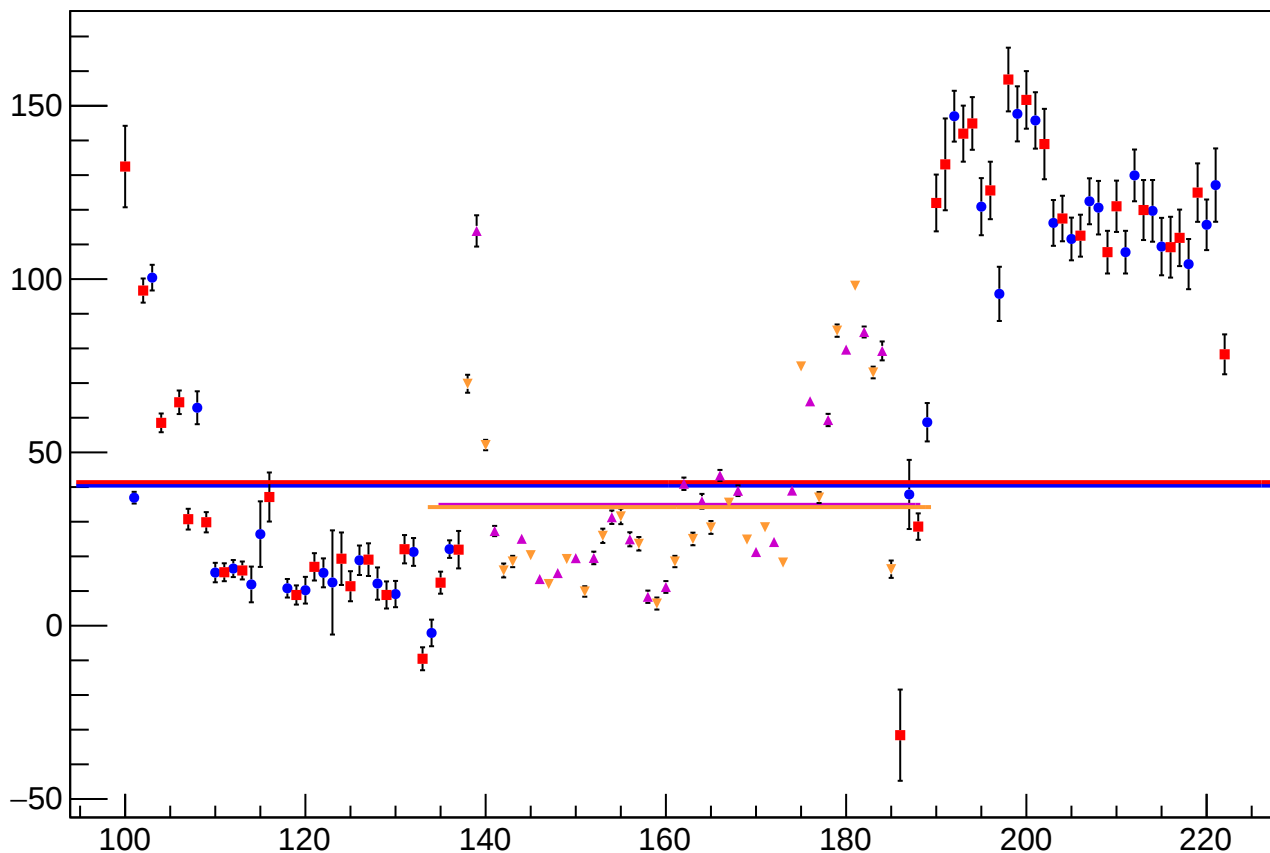
Left In: -82.711 ± 0.415 $\chi^2/\text{NDF}: 10841.4/22$

+ sign -78.528 ± 0.382 $\chi^2/\text{NDF}: 15487.9/42$

All: -77.945 ± 0.272 $\chi^2/\text{NDF}: 28853.9/84$

- sign -77.341 ± 0.389 $\chi^2/\text{NDF}: 13361.3/41$

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 40.418+/-0.732 χ^2/NDF : 2954.7/34

Left Out: 34.219+/-0.320 χ^2/NDF : 6192.6/24

Right Out: 41.420+/-0.729 χ^2/NDF : 3223.1/37

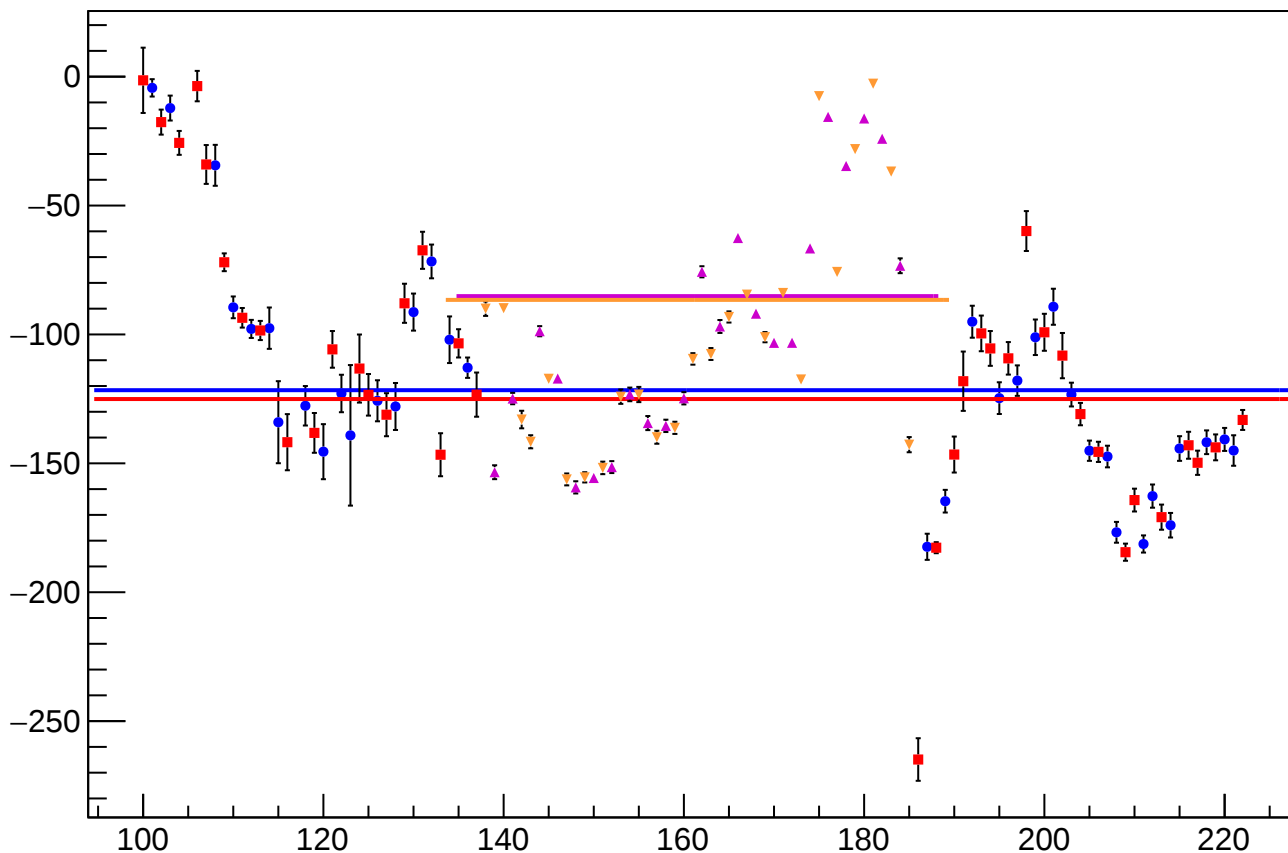
Left In: 34.870+/-0.329 χ^2/NDF : 4716.1/22

+ sign 35.214+/-0.293 χ^2/NDF : 9207.4/59

All: 35.588+/-0.210 χ^2/NDF : 17217.0/120

- sign 35.979+/-0.300 χ^2/NDF : 8006.2/60

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -121.624 ± 0.879 χ^2/NDF : 3200.8/34

Left Out: -86.595 ± 0.408 χ^2/NDF : 14515.7/24

Right Out: -125.059 ± 0.841 χ^2/NDF : 3803.2/37

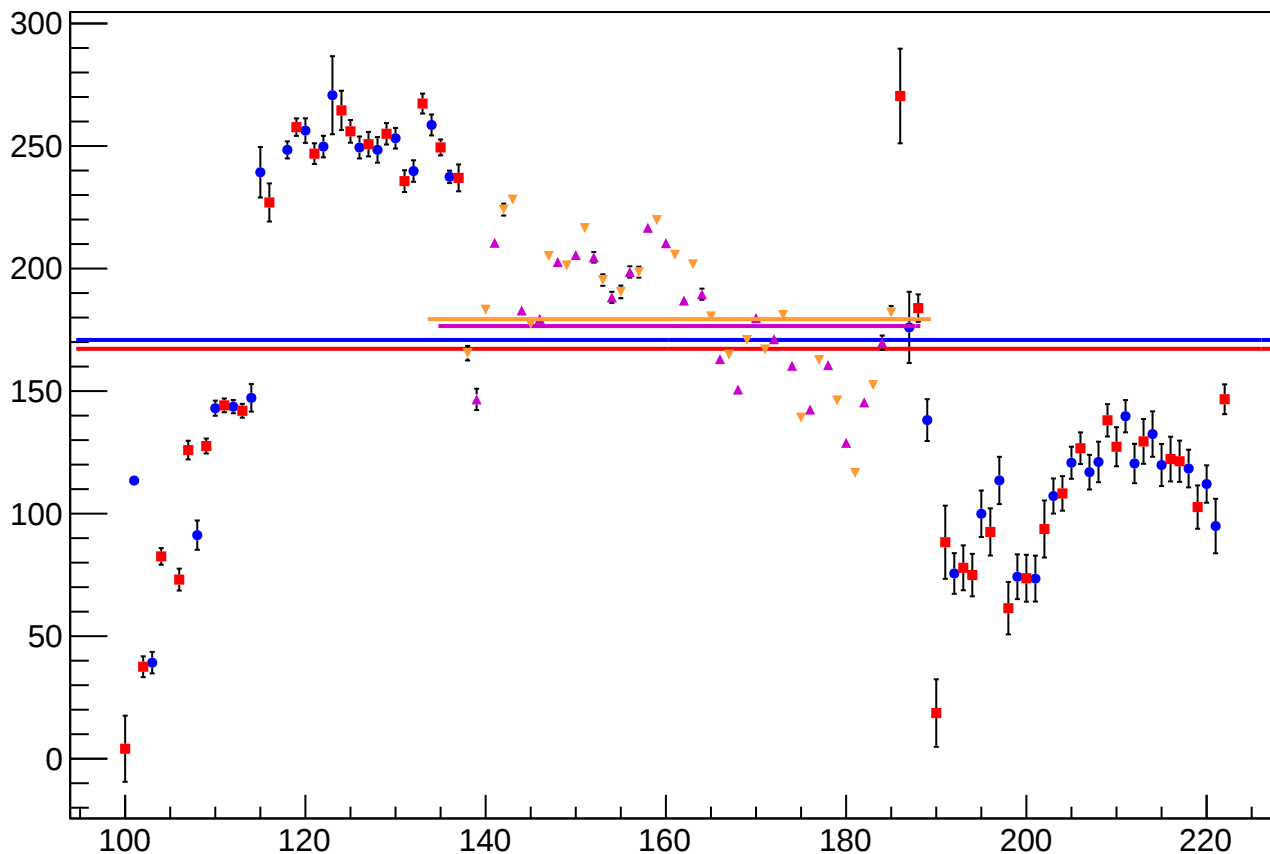
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -92.811 ± 0.370 χ^2/NDF : 19021.7/59

All: -92.879 ± 0.263 χ^2/NDF : 37477.4/120

- sign -92.947 ± 0.372 χ^2/NDF : 18455.7/60

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 170.873 $\pm$ 0.833 χ^2 /NDF: 6462.0/34

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 167.256 $\pm$ 0.834 χ^2 /NDF: 7442.4/37

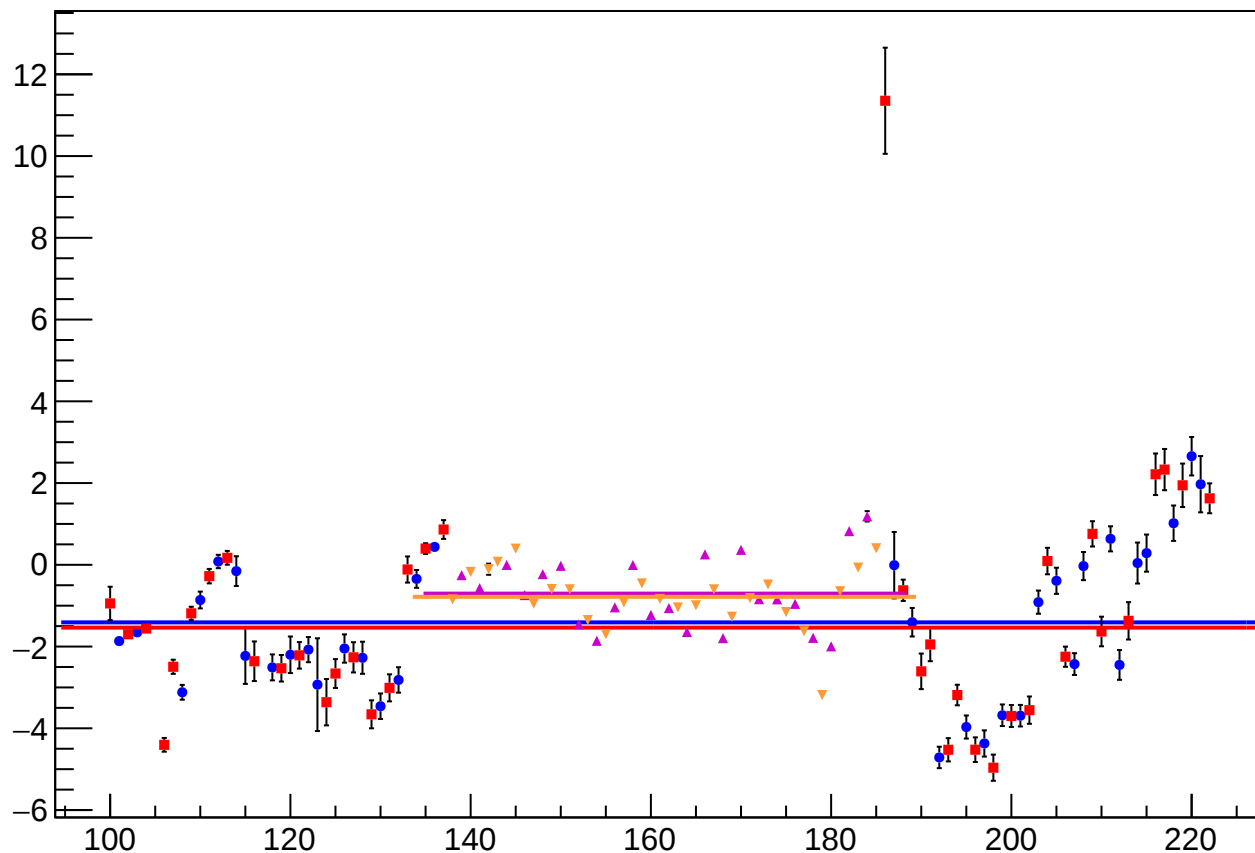
Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

+ sign 178.011 $\pm$ 0.332 χ^2 /NDF: 12531.6/59

All: 176.537 $\pm$ 0.237 χ^2 /NDF: 24543.5/120

- sign 175.000 $\pm$ 0.339 χ^2 /NDF: 11971.6/60

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.408 ± 0.041 χ^2/NDF : 1367.3/34

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.537 ± 0.039 χ^2/NDF : 1834.2/37

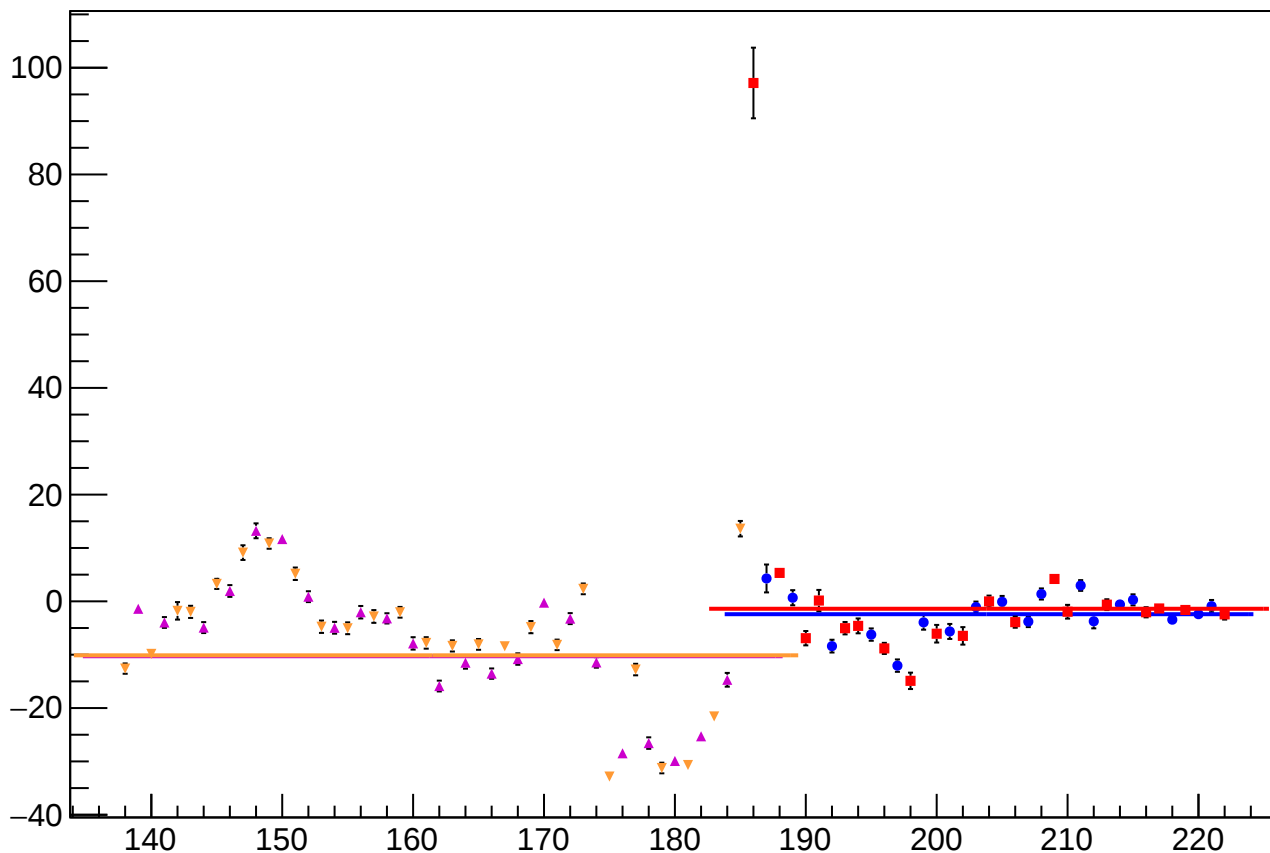
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.871 ± 0.015 χ^2/NDF : 3336.9/59

All: -0.852 ± 0.011 χ^2/NDF : 7956.5/120

- sign -0.834 ± 0.016 χ^2/NDF : 4616.7/60

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -2.411 ± 0.263 χ^2/NDF : 186.8/17

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.392 ± 0.252 χ^2/NDF : 560.6/18

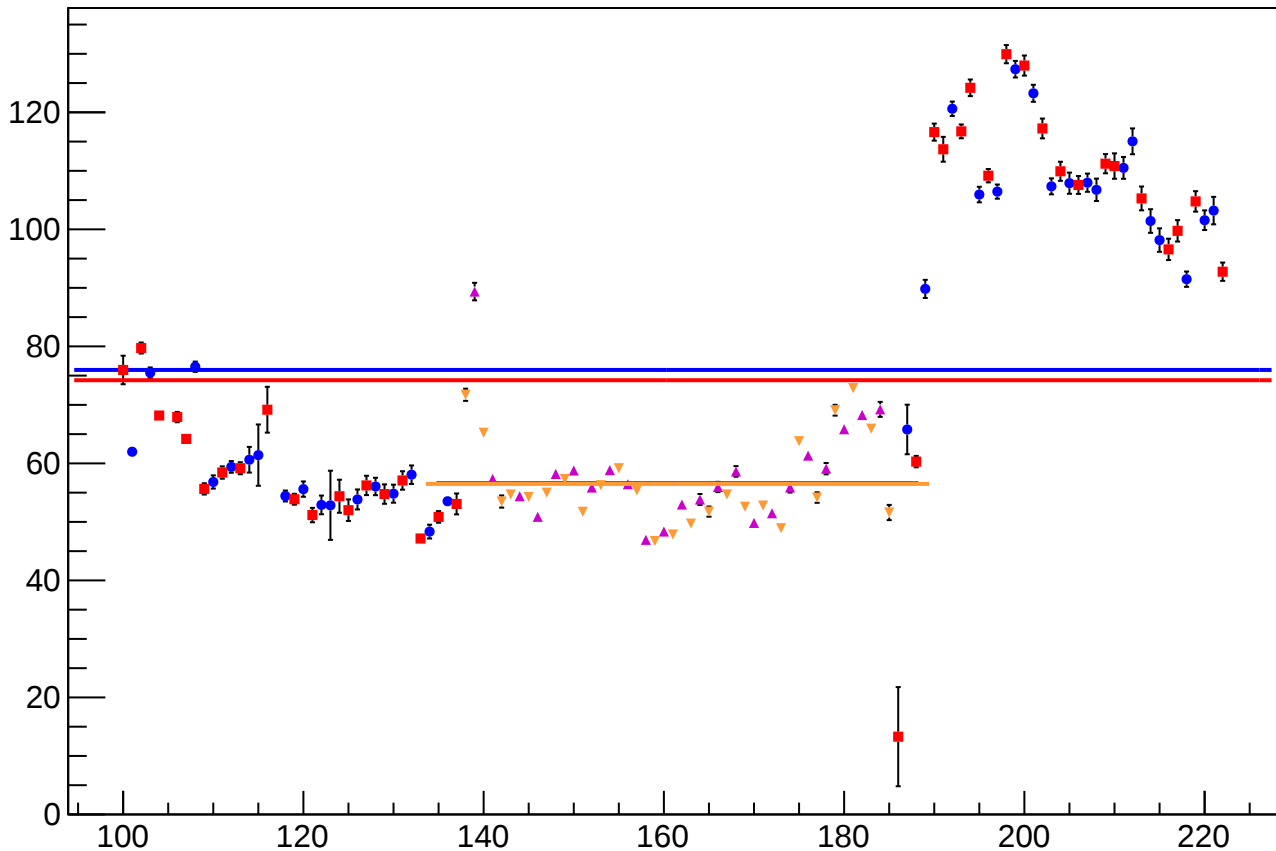
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -7.271 ± 0.160 χ^2/NDF : 4865.6/42

All: -7.004 ± 0.113 χ^2/NDF : 9631.5/84

- sign -6.739 ± 0.159 χ^2/NDF : 4760.3/41

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 75.973+/-0.216 χ^2 /NDF: 12205.7/34

Left Out: 56.496+/-0.159 χ^2 /NDF:1968.0/24

Right Out: 74.215+/-0.204 χ^2 /NDF: 15491.0/37

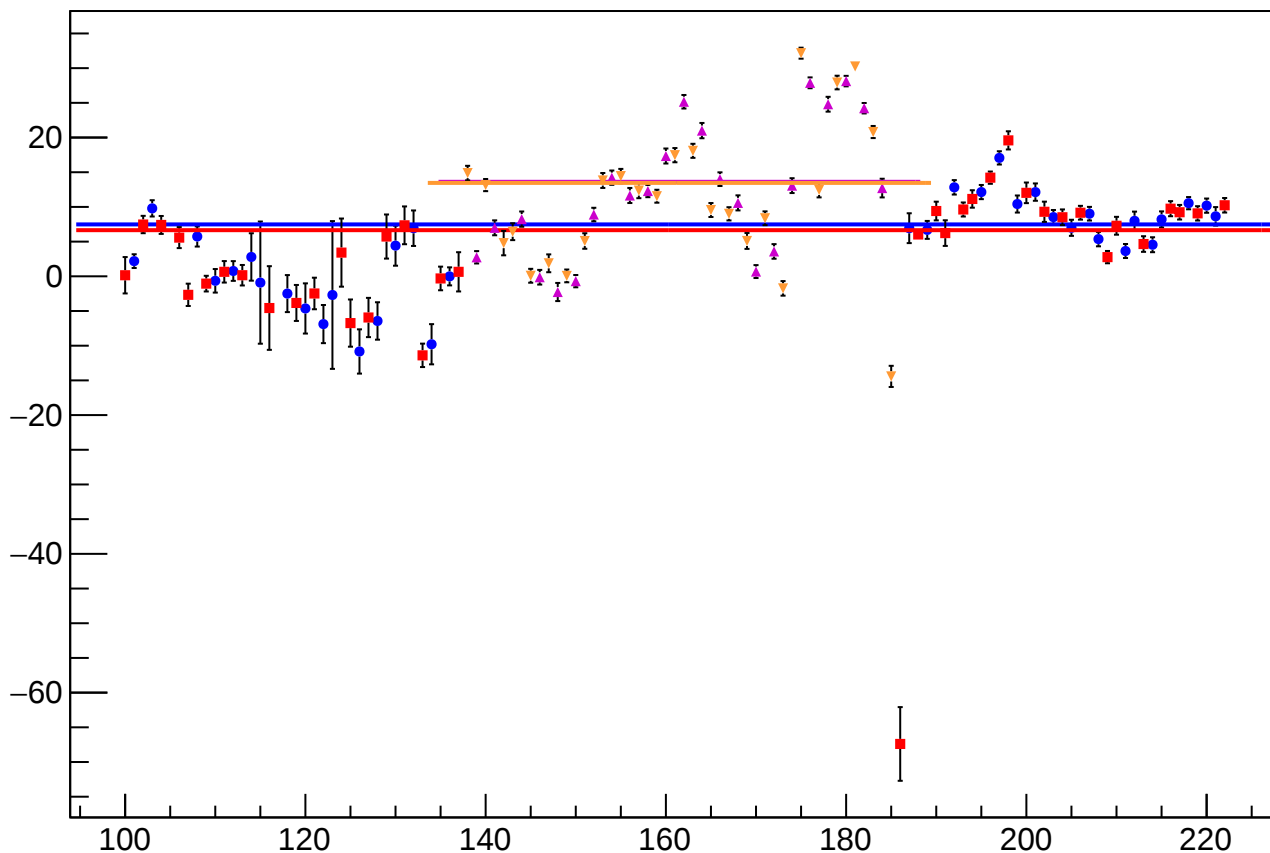
Left In: 56.635+/-0.165 χ^2 /NDF:1607.9/22

+ sign 63.329+/-0.128 χ^2 /NDF: 19446.4/59

All: 63.465+/-0.091 χ^2 /NDF: 41039.4/120

- sign 63.602+/-0.128 χ^2 /NDF: 21590.7/60

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.479 ± 0.227 χ^2/NDF : 482.3/34

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.649 ± 0.210 χ^2/NDF : 800.9/37

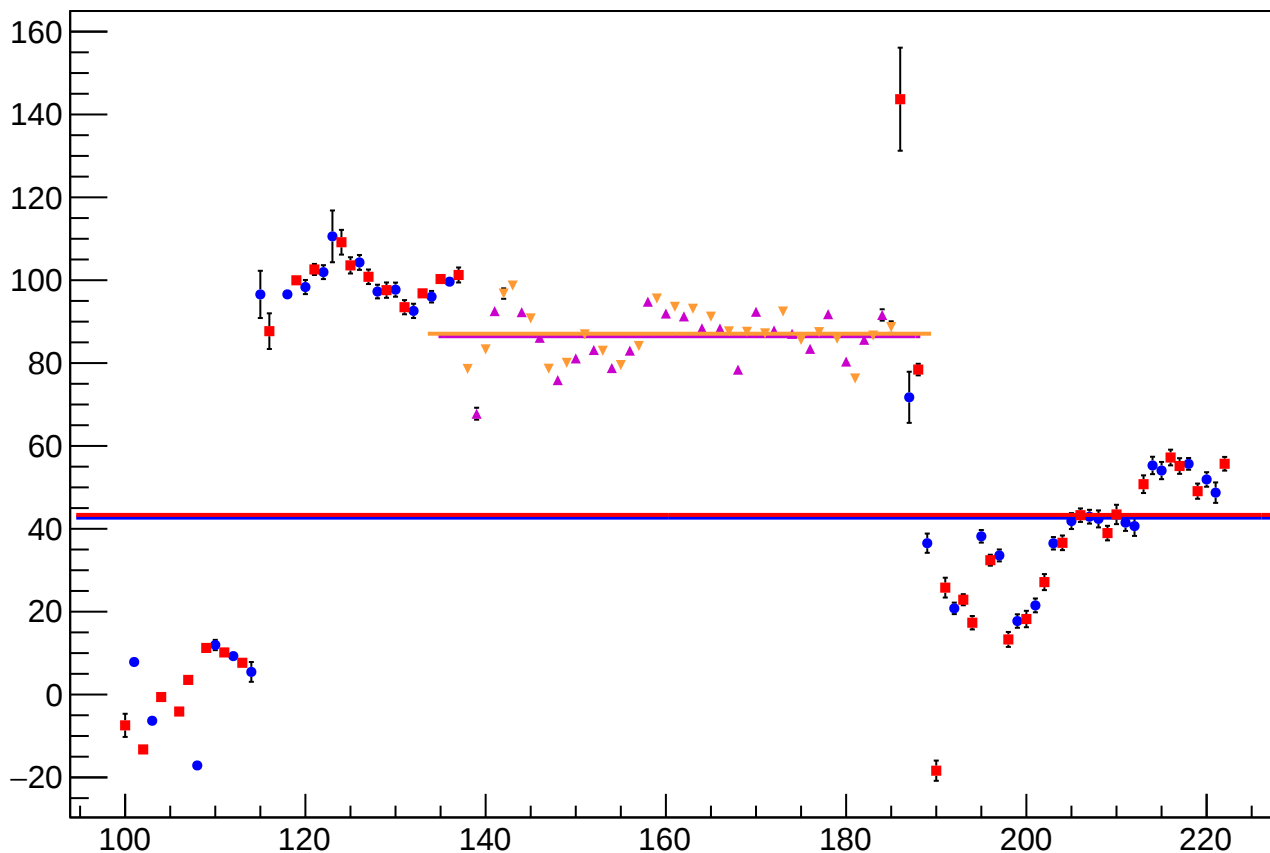
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 10.823 ± 0.151 χ^2/NDF : 3607.5/59

All: 10.521 ± 0.105 χ^2/NDF : 7296.1/120

- sign 10.235 ± 0.147 χ^2/NDF : 3680.8/60

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 42.699 $\pm$ 0.248 χ^2 /NDF: 25671.5/34

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 43.355 $\pm$ 0.237 χ^2 /NDF: 30944.9/37

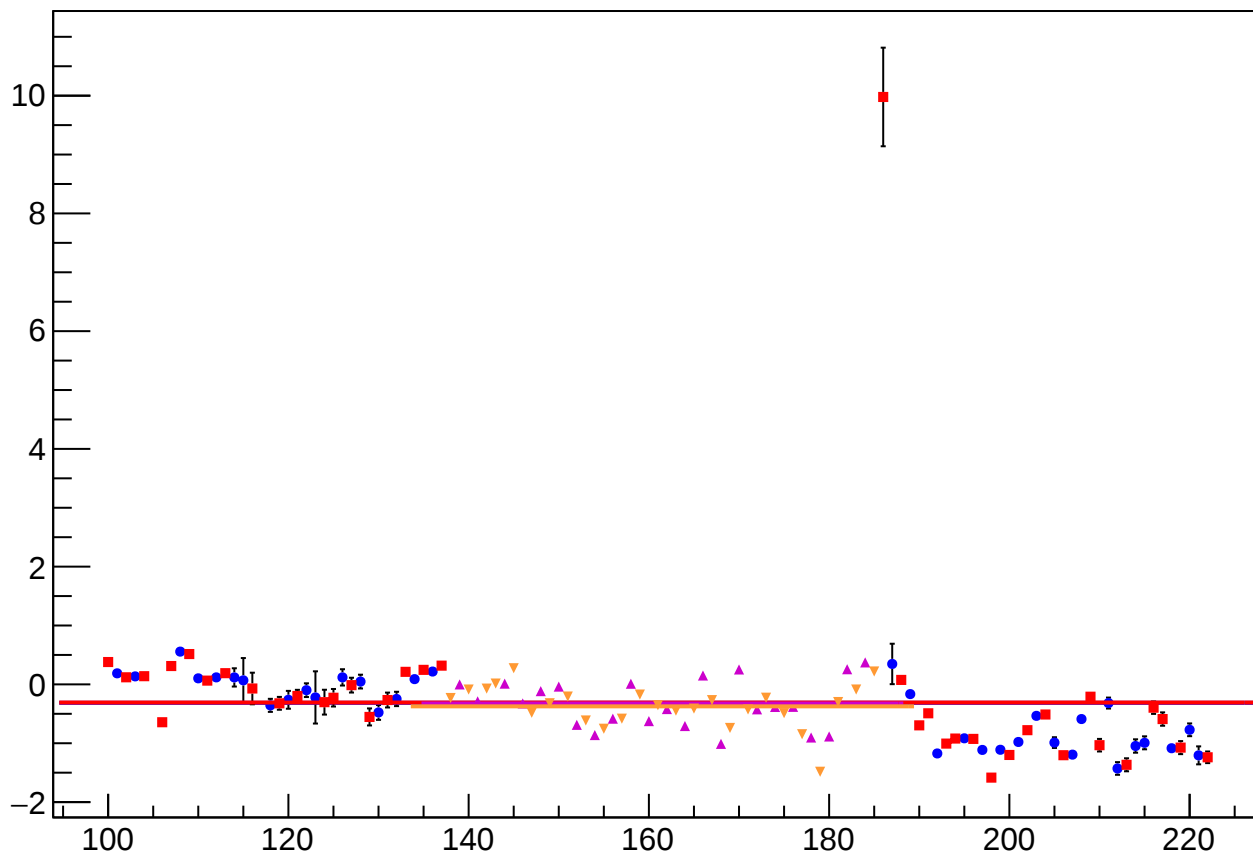
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 71.842 $\pm$ 0.145 χ^2 /NDF: 47857.4/59

All: 71.035 $\pm$ 0.103 χ^2 /NDF: 100444.2/120

- sign 70.221 $\pm$ 0.146 χ^2 /NDF: 52524.7/60

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.313 ± 0.010 χ^2/NDF : 3548.9/34

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.308 ± 0.010 χ^2/NDF : 3850.5/37

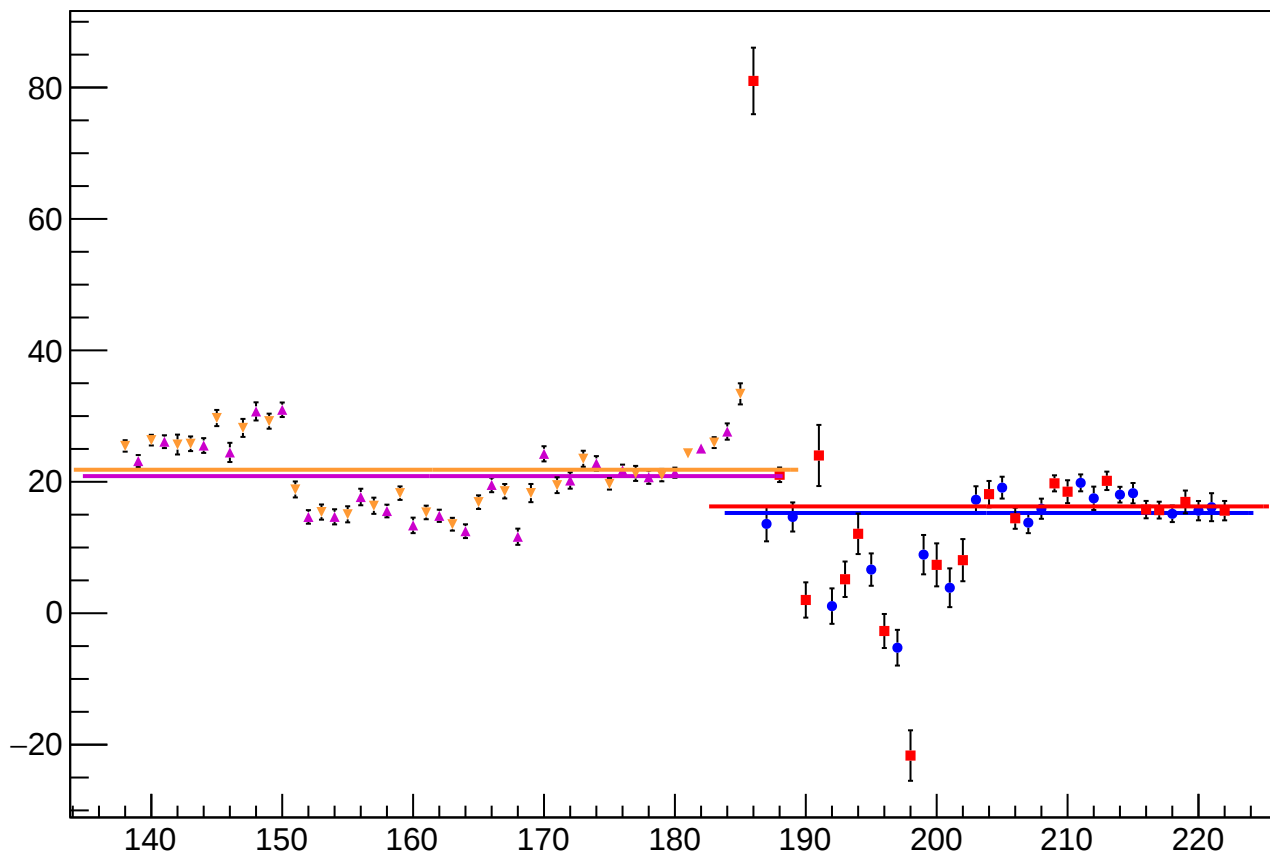
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.351 ± 0.006 χ^2/NDF : 5237.9/59

All: -0.334 ± 0.004 χ^2/NDF : 11387.3/120

- sign -0.318 ± 0.006 χ^2/NDF : 6136.3/60

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 15.256 ± 0.416 $\chi^2/\text{NDF}: 147.7/17$

Left Out: 21.836 ± 0.210 $\chi^2/\text{NDF}: 524.3/24$

Right Out: 16.255 ± 0.415 $\chi^2/\text{NDF}: 417.4/18$

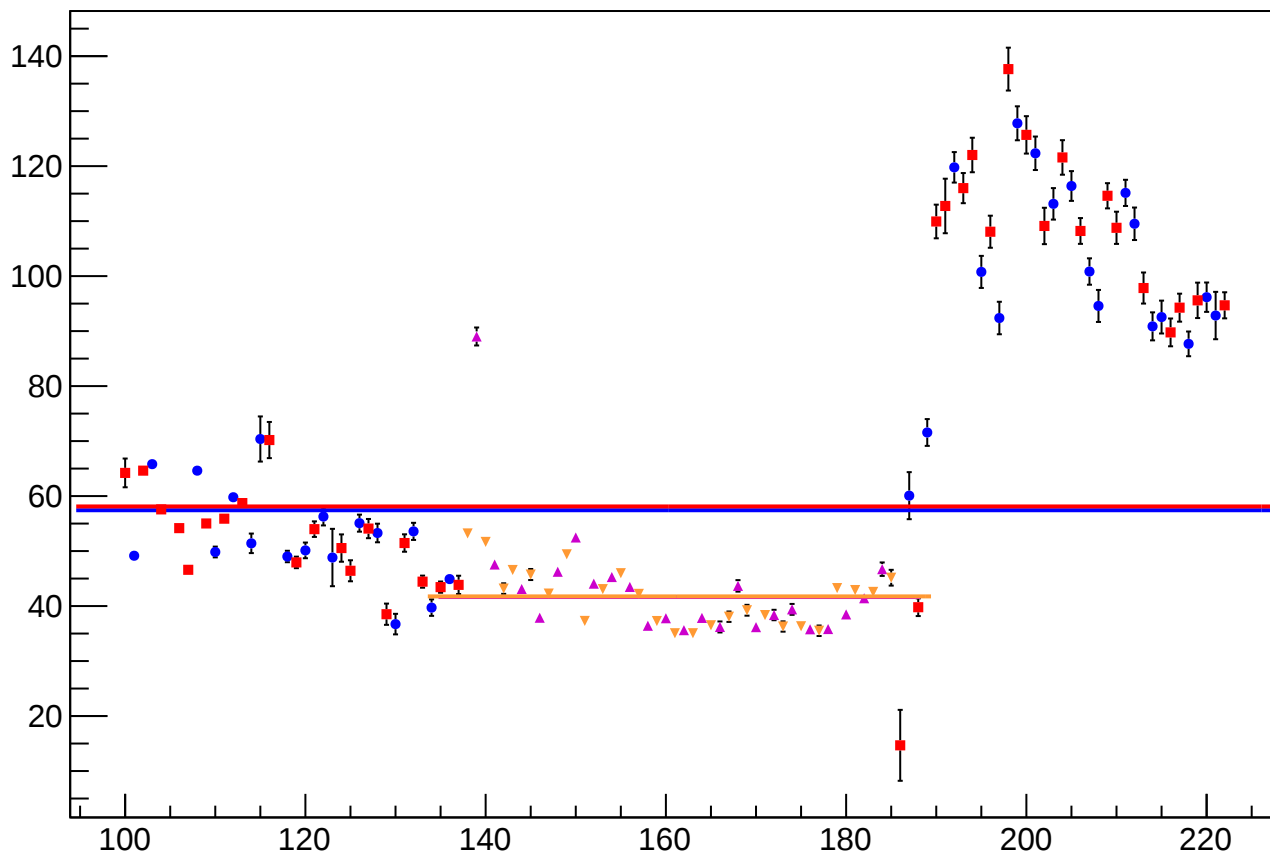
Left In: 20.866 ± 0.217 $\chi^2/\text{NDF}: 576.9/22$

+ sign 20.503 ± 0.187 $\chi^2/\text{NDF}: 871.4/42$

All: 20.198 ± 0.134 $\chi^2/\text{NDF}: 1968.2/84$

- sign 19.878 ± 0.192 $\chi^2/\text{NDF}: 1091.4/41$

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 57.425 $\pm$ 0.201 χ^2 /NDF: 6525.5/34

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 58.113 $\pm$ 0.214 χ^2 /NDF: 6811.5/37

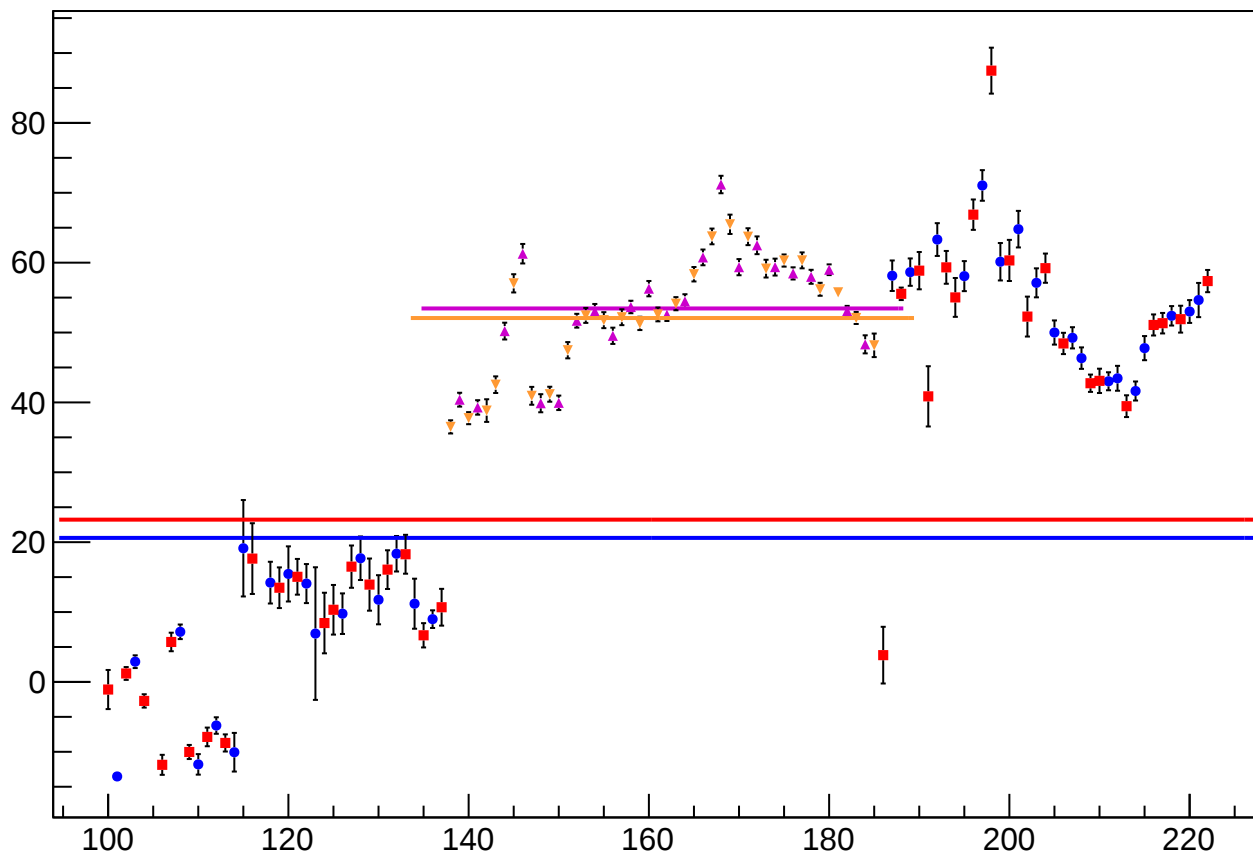
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

+ sign 48.080 $\pm$ 0.128 χ^2 /NDF: 11164.4/59

All: 48.136 $\pm$ 0.093 χ^2 /NDF: 23162.4/120

- sign 48.198 $\pm$ 0.135 χ^2 /NDF: 11997.6/60

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 20.612 $\pm$ 0.276 χ^2 /NDF: 10452.0/34

Left Out: 52.076 $\pm$ 0.210 χ^2 /NDF:1450.9/24

Right Out: 23.224 $\pm$ 0.277 χ^2 /NDF: 10040.1/37

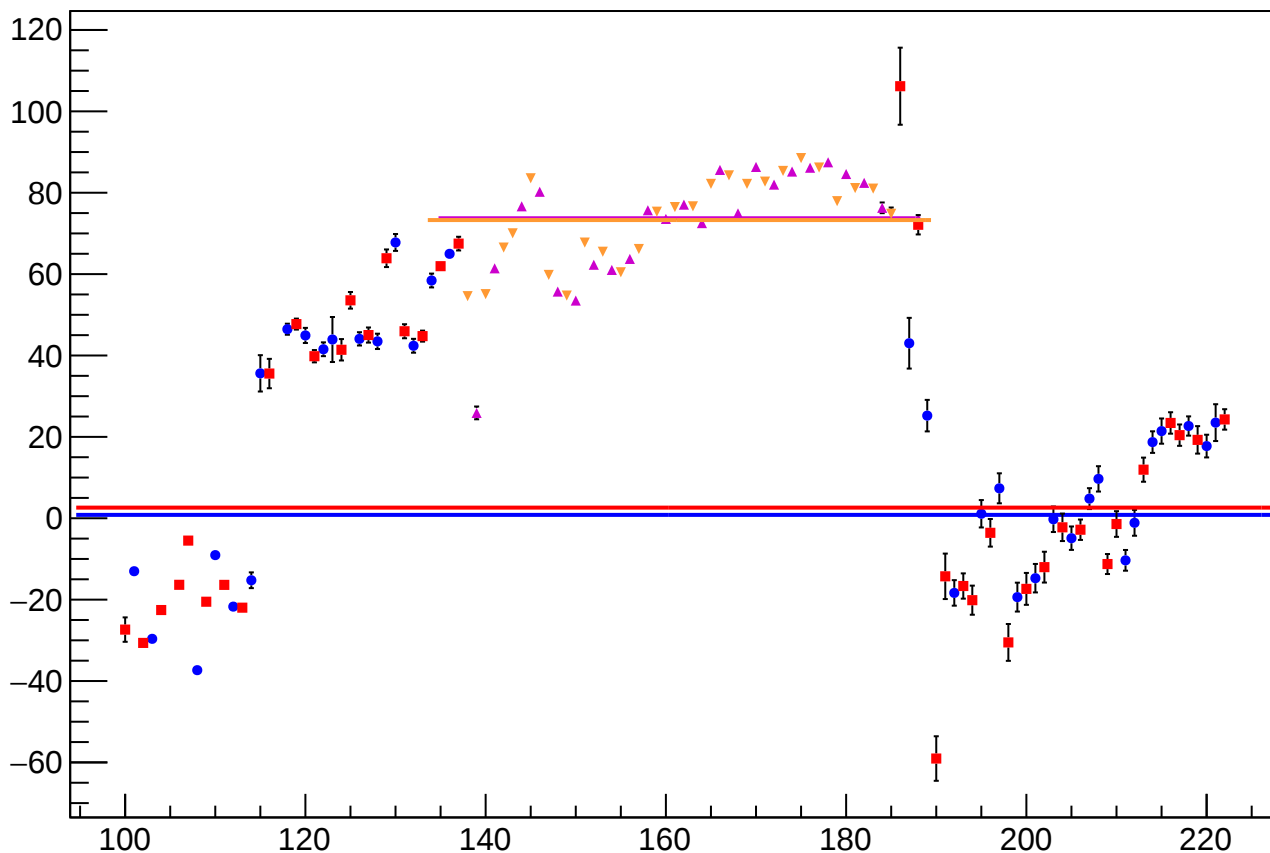
Left In: 53.447 $\pm$ 0.215 χ^2 /NDF:1169.0/22

+ sign 40.523 $\pm$ 0.167 χ^2 /NDF: 20145.4/59

All: 41.284 $\pm$ 0.119 χ^2 /NDF: 38809.5/120

- sign 42.072 $\pm$ 0.170 χ^2 /NDF: 18621.8/60

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.831 ± 0.235 χ^2/NDF : 18674.2/34

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.616 ± 0.251 χ^2/NDF : 16961.2/37

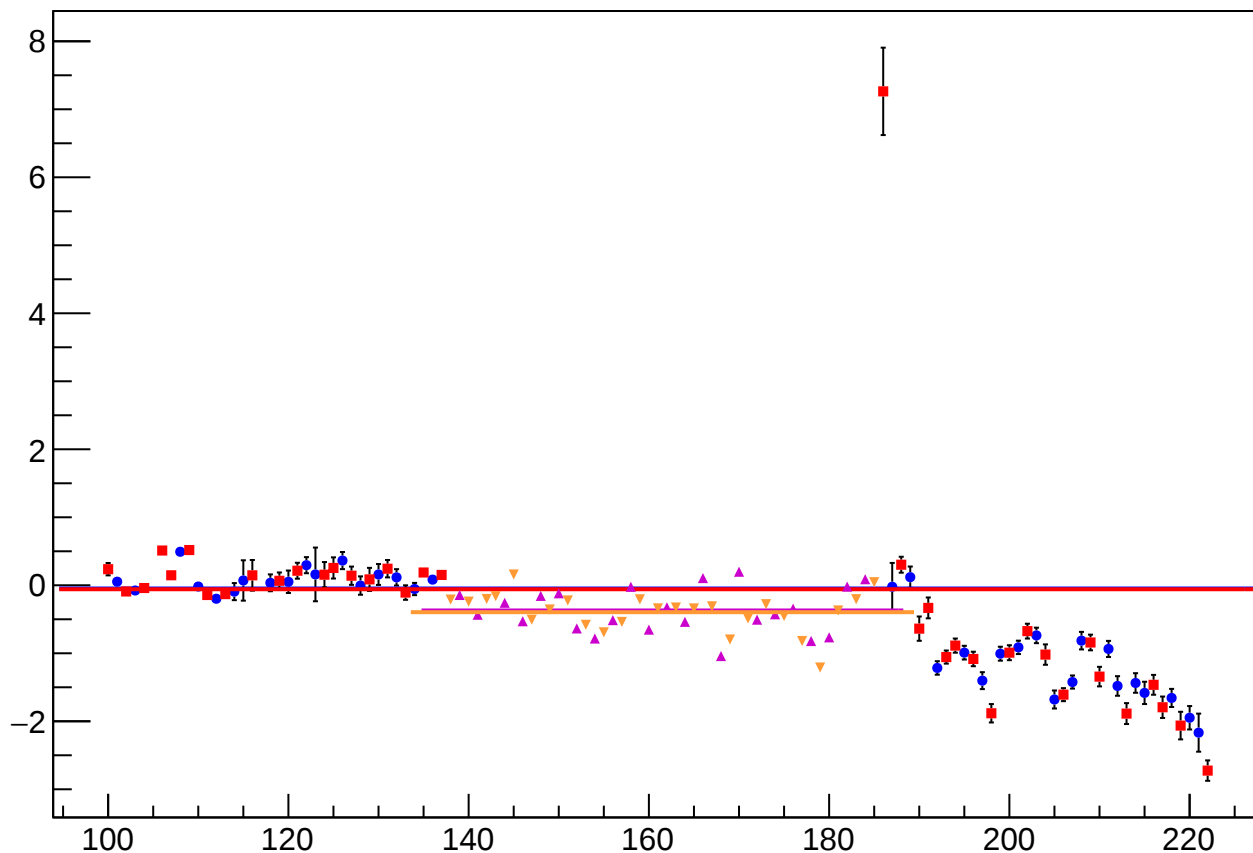
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 45.176 ± 0.146 χ^2/NDF : 80152.1/59

All: 46.057 ± 0.106 χ^2/NDF : 151242.0/120

- sign 47.030 ± 0.154 χ^2/NDF : 71013.3/60

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.048 ± 0.010 χ^2/NDF : 2189.5/34

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: -0.058 ± 0.010 χ^2/NDF : 2466.7/37

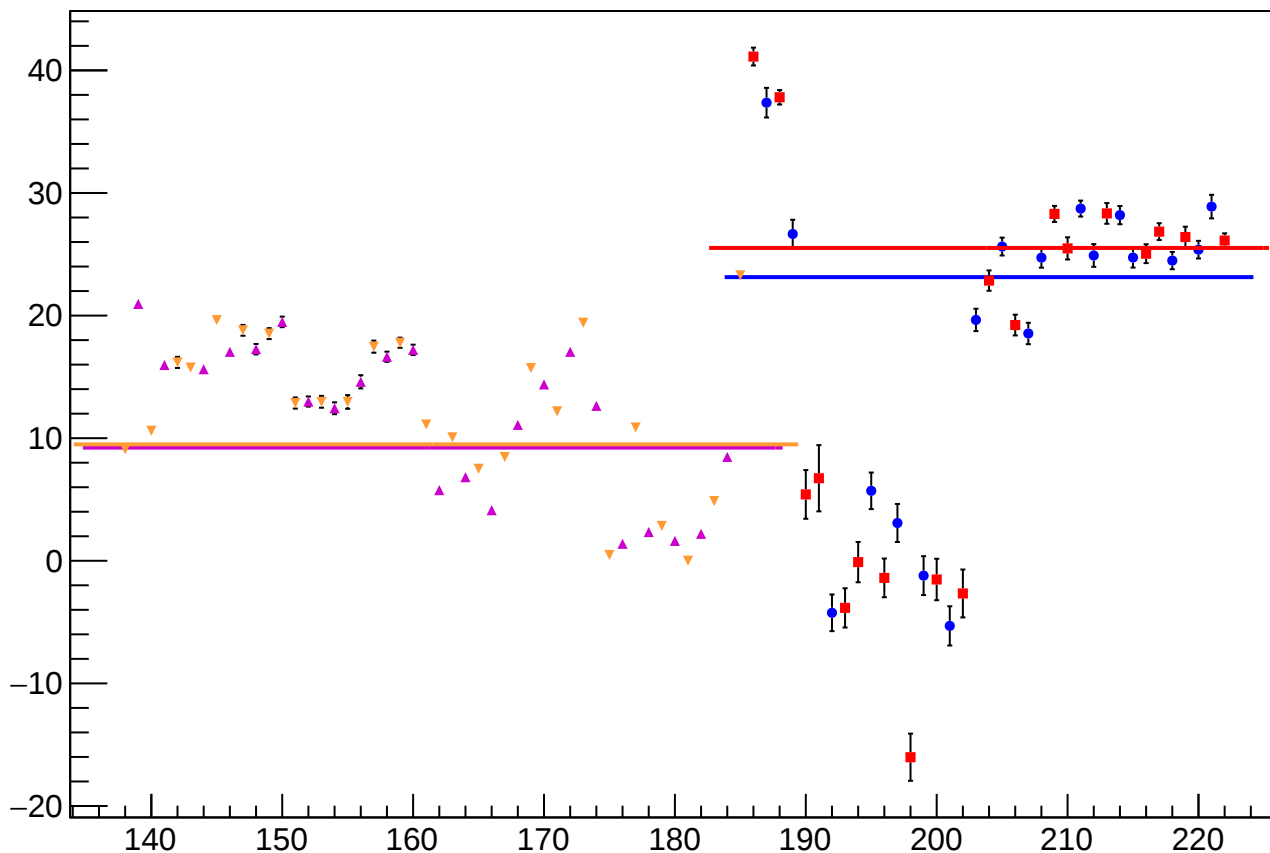
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.255 ± 0.007 χ^2/NDF : 3810.8/59

All: -0.248 ± 0.005 χ^2/NDF : 8128.5/120

- sign -0.241 ± 0.007 χ^2/NDF : 4315.5/60

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 23.136 $\pm$ 0.217 χ^2 /NDF: 1572.7/17

Left Out: 9.495 $\pm$ 0.061 χ^2 /NDF: 12609.1/24

Right Out: 25.518 $\pm$ 0.208 χ^2 /NDF: 2945.5/18

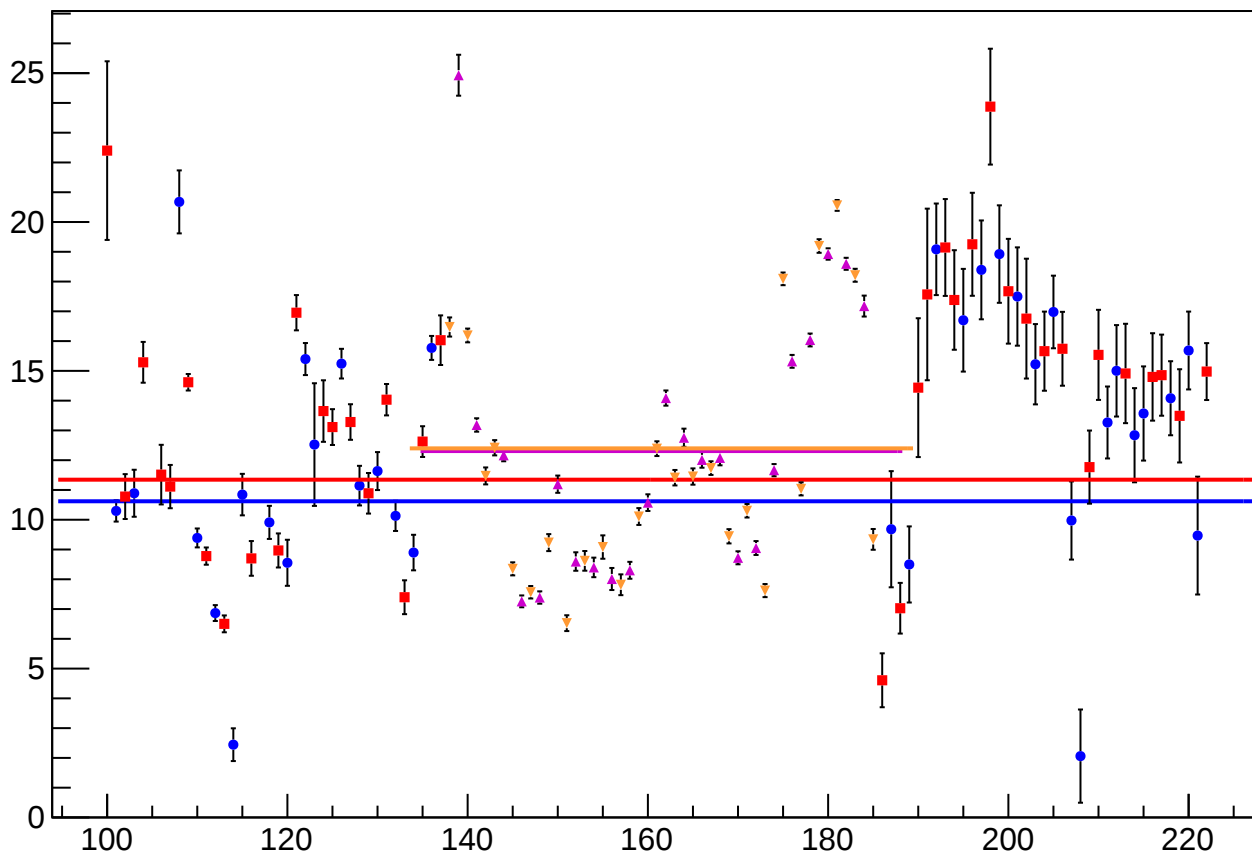
Left In: 9.231 $\pm$ 0.063 χ^2 /NDF: 10736.2/22

+ sign 10.501 $\pm$ 0.059 χ^2 /NDF: 17842.6/42

All: 10.549 $\pm$ 0.042 χ^2 /NDF: 37133.4/84

- sign 10.599 $\pm$ 0.060 χ^2 /NDF: 19289.5/41

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.620 ± 0.113 $\chi^2/\text{NDF}: 1096.9/34$

Left Out: 12.397 ± 0.050 $\chi^2/\text{NDF}: 7542.8/24$

Right Out: 11.345 ± 0.109 $\chi^2/\text{NDF}: 1091.4/37$

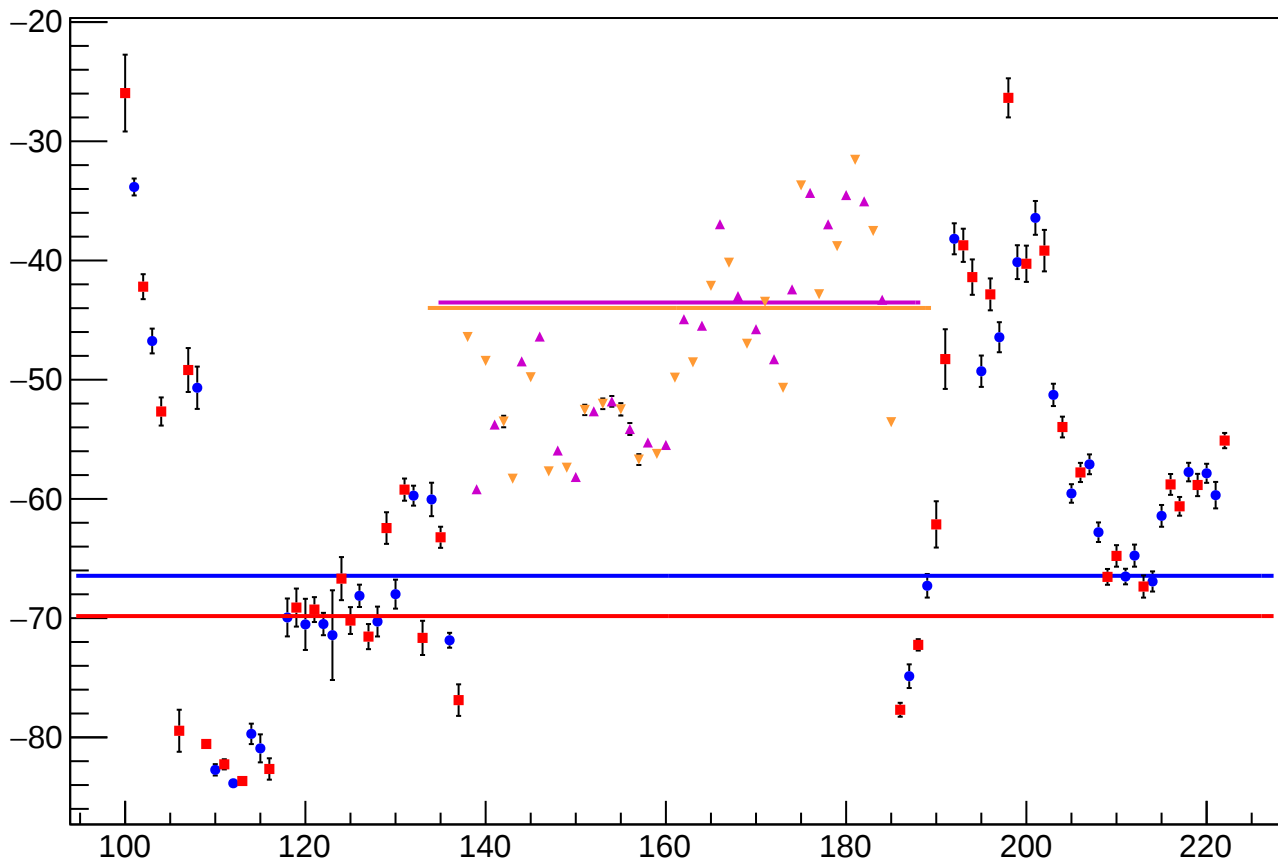
Left In: 12.307 ± 0.051 $\chi^2/\text{NDF}: 5601.8/22$

+ sign 12.109 ± 0.045 $\chi^2/\text{NDF}: 8846.7/59$

All: 12.121 ± 0.032 $\chi^2/\text{NDF}: 15603.6/120$

- sign 12.134 ± 0.046 $\chi^2/\text{NDF}: 6756.7/60$

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -66.449 ± 0.147 $\chi^2/\text{NDF}: 8962.3/34$

Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$

Right Out: -69.828 ± 0.135 $\chi^2/\text{NDF}: 9172.3/37$

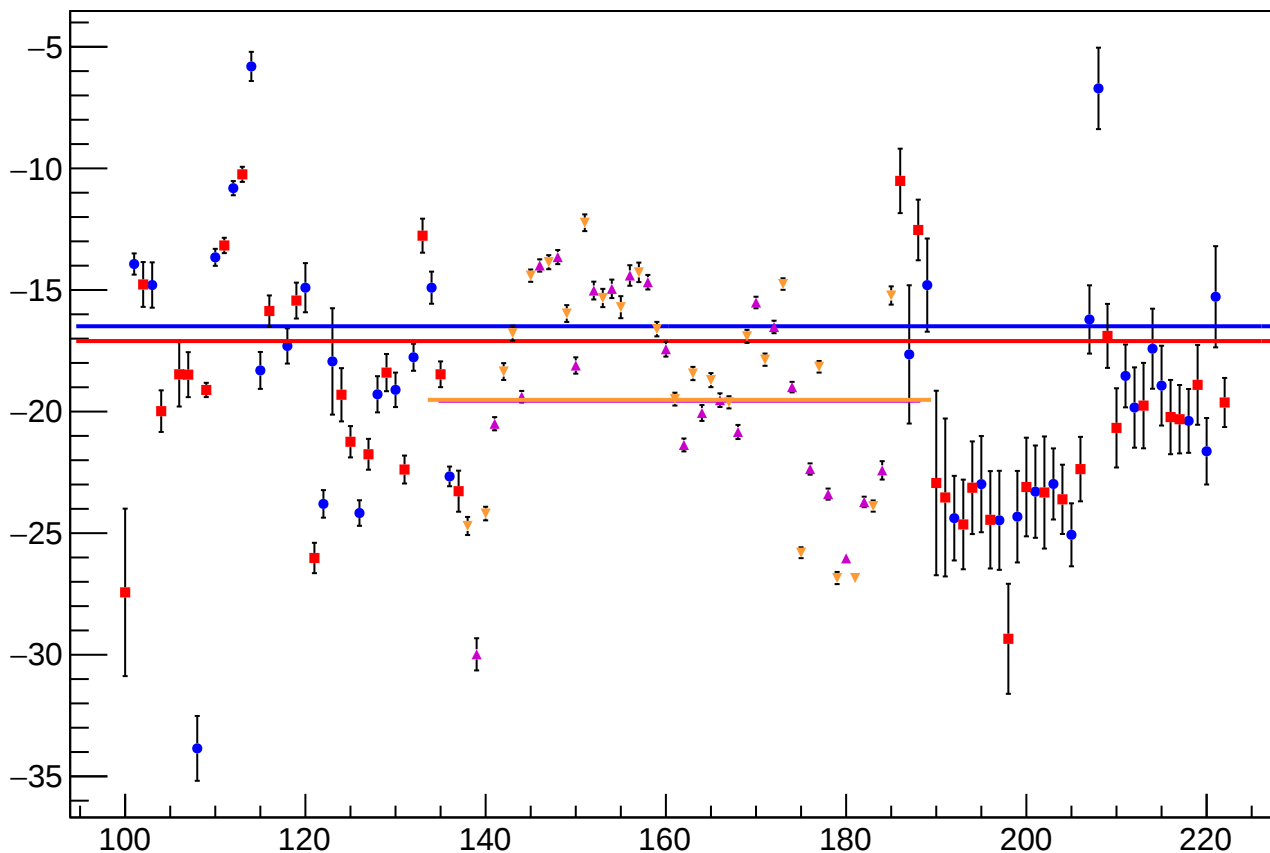
Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

+ sign -47.357 ± 0.057 $\chi^2/\text{NDF}: 46466.8/59$

All: -47.811 ± 0.040 $\chi^2/\text{NDF}: 102164.6/120$

- sign -48.269 ± 0.057 $\chi^2/\text{NDF}: 55570.8/60$

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.492 ± 0.126 χ^2/NDF : 1837.8/34

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -17.100 ± 0.121 χ^2/NDF : 1408.1/37

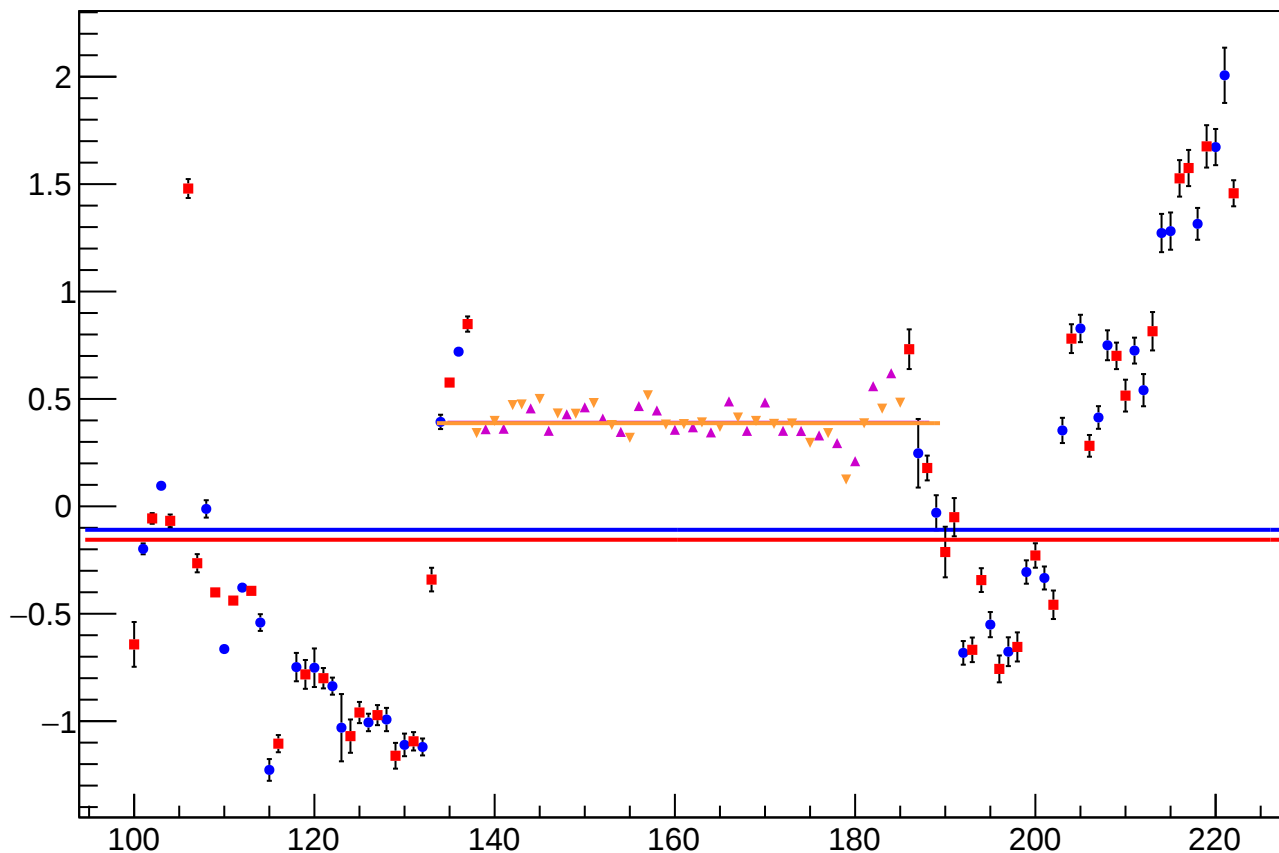
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.019 ± 0.051 χ^2/NDF : 8841.3/59

All: -19.061 ± 0.036 χ^2/NDF : 14897.6/120

- sign -19.105 ± 0.052 χ^2/NDF : 6054.9/60

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.109 ± 0.007 $\chi^2/\text{NDF}: 9100.3/34$

Left Out: 0.387 ± 0.003 $\chi^2/\text{NDF}: 995.0/24$

Right Out: -0.156 ± 0.007 $\chi^2/\text{NDF}: 9222.2/37$

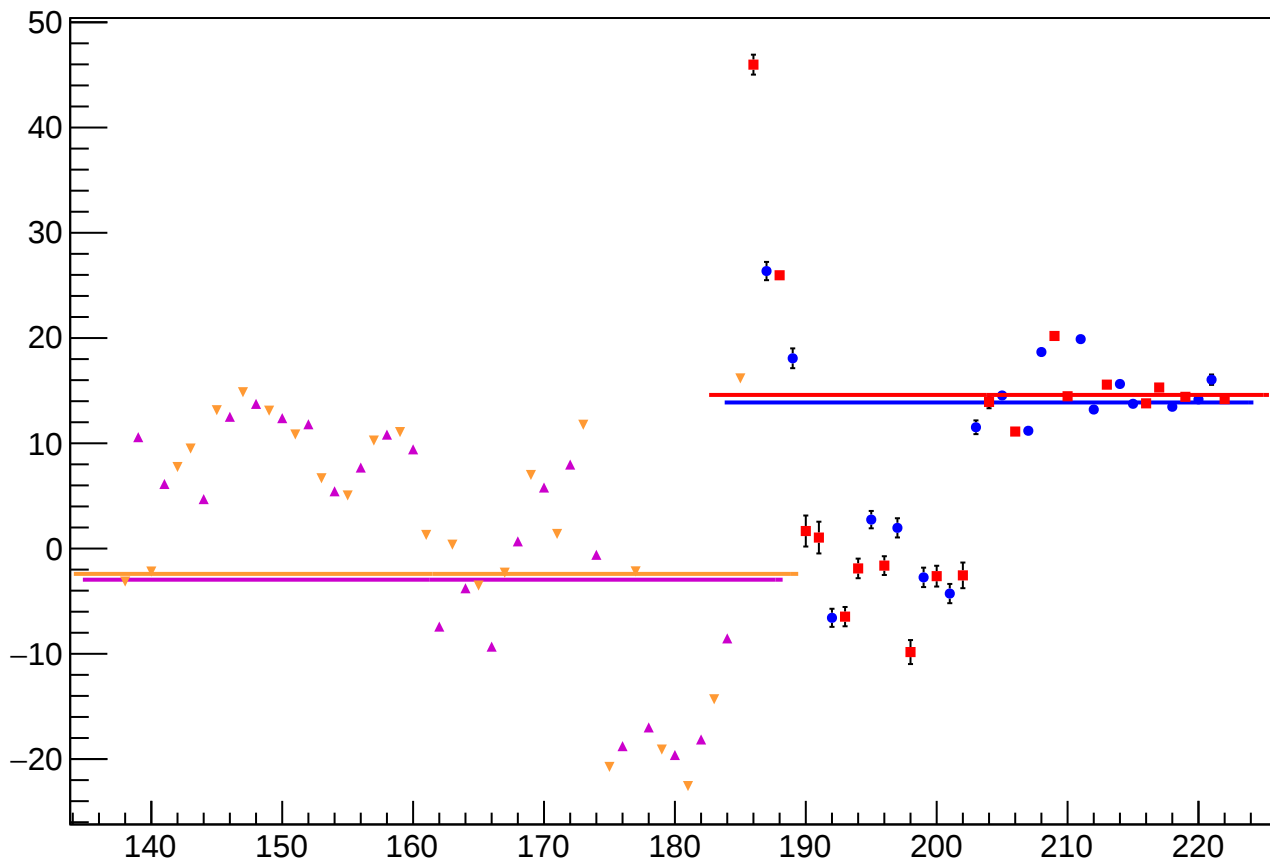
Left In: 0.389 ± 0.003 $\chi^2/\text{NDF}: 1256.9/22$

+ sign 0.326 ± 0.002 $\chi^2/\text{NDF}: 14724.3/59$

All: 0.320 ± 0.002 $\chi^2/\text{NDF}: 31213.6/120$

- sign 0.314 ± 0.002 $\chi^2/\text{NDF}: 16476.0/60$

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 13.879+/-0.116 χ^2/NDF : 2397.1/17

Left Out: -2.407+/-0.053 χ^2/NDF : 56368.5/24

Right Out: 14.596+/-0.117 χ^2/NDF : 4441.9/18

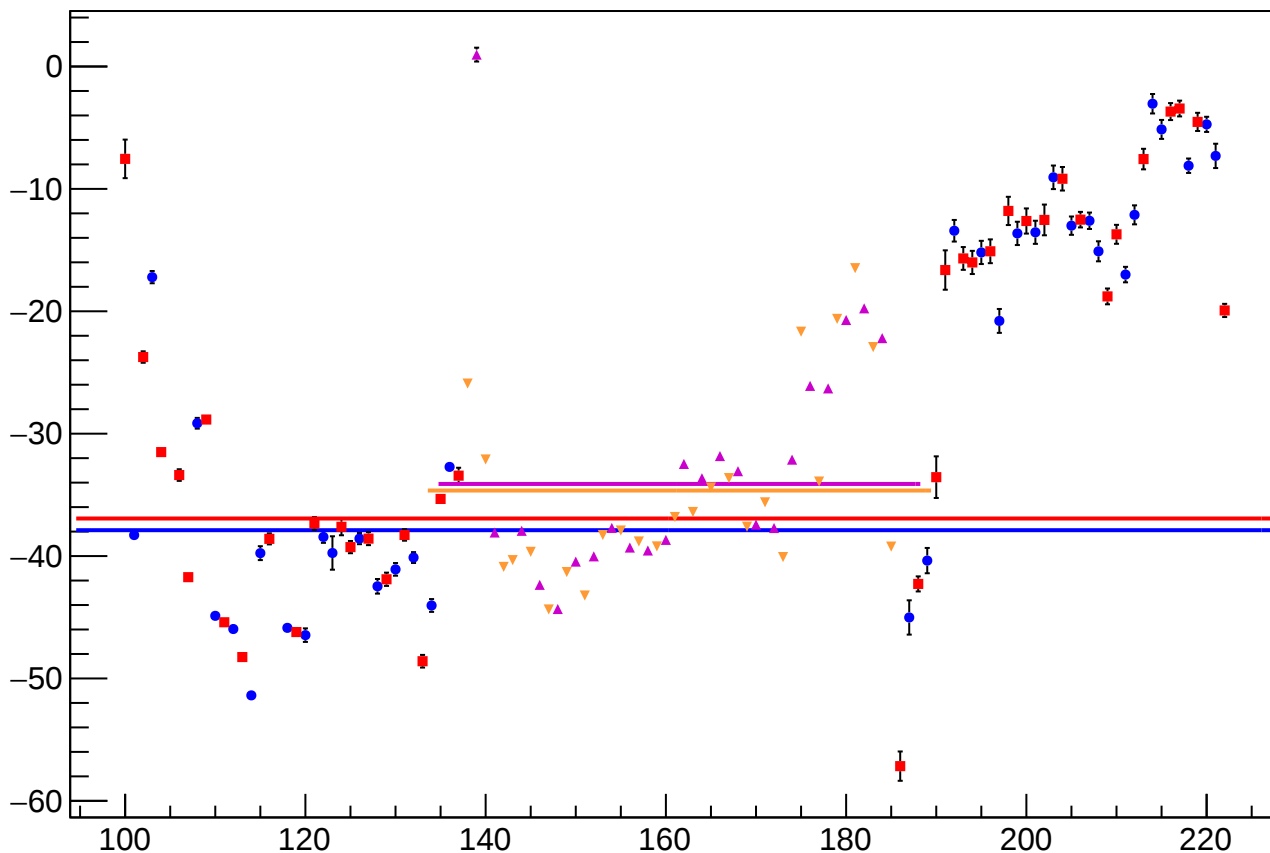
Left In: -2.959+/-0.055 χ^2/NDF : 45922.6/22

+ sign 0.388+/-0.048 χ^2/NDF : 75108.3/42

All: 0.294+/-0.035 χ^2/NDF : 143870.5/84

- sign 0.193+/-0.050 χ^2/NDF : 68754.3/41

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -37.886 ± 0.072 $\chi^2/\text{NDF}: 28943.3/34$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -36.931 ± 0.068 $\chi^2/\text{NDF}: 29735.8/37$

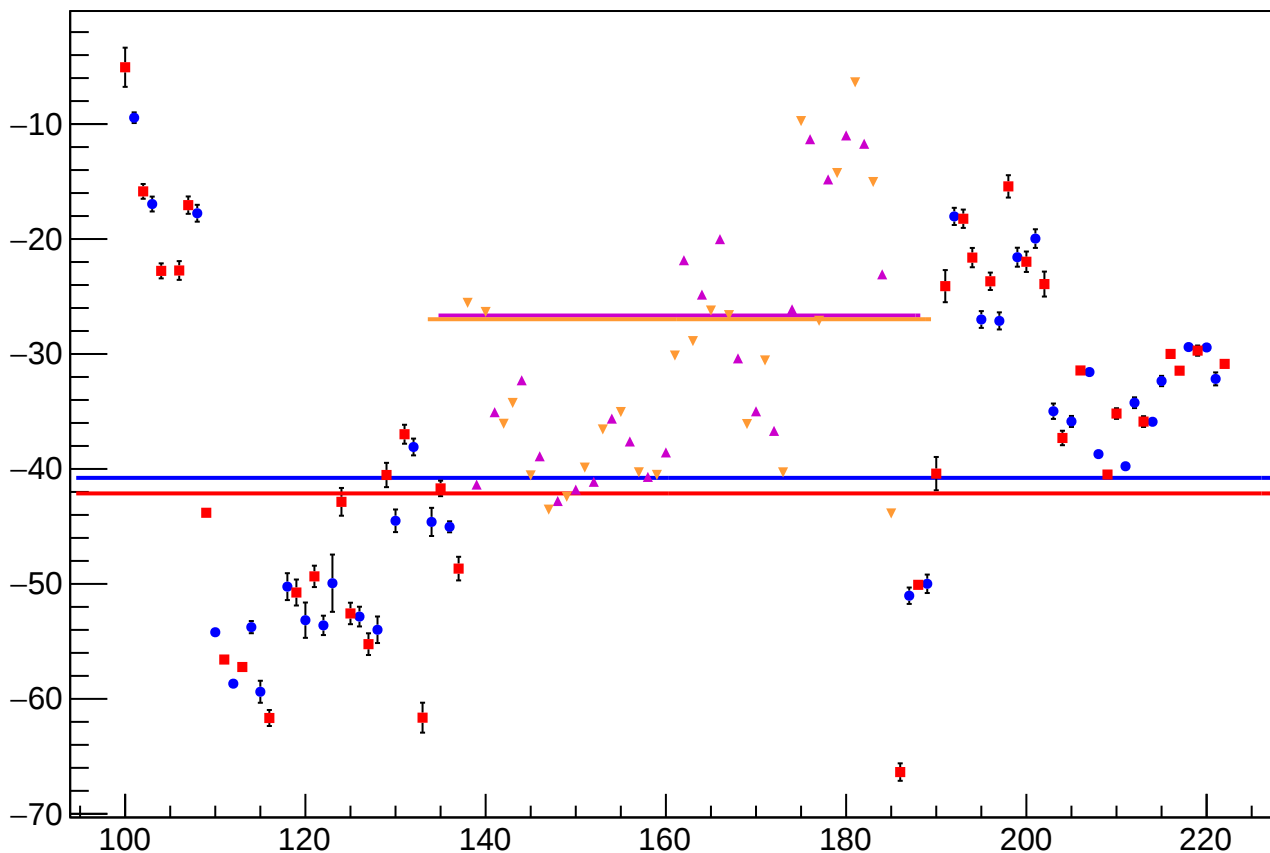
Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

+ sign -35.457 ± 0.036 $\chi^2/\text{NDF}: 65123.6/59$

All: -35.205 ± 0.026 $\chi^2/\text{NDF}: 125230.3/120$

- sign -34.943 ± 0.037 $\chi^2/\text{NDF}: 60007.7/60$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -40.776 ± 0.086 $\chi^2/\text{NDF}: 25320.5/34$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -42.129 ± 0.080 $\chi^2/\text{NDF}: 24786.0/37$

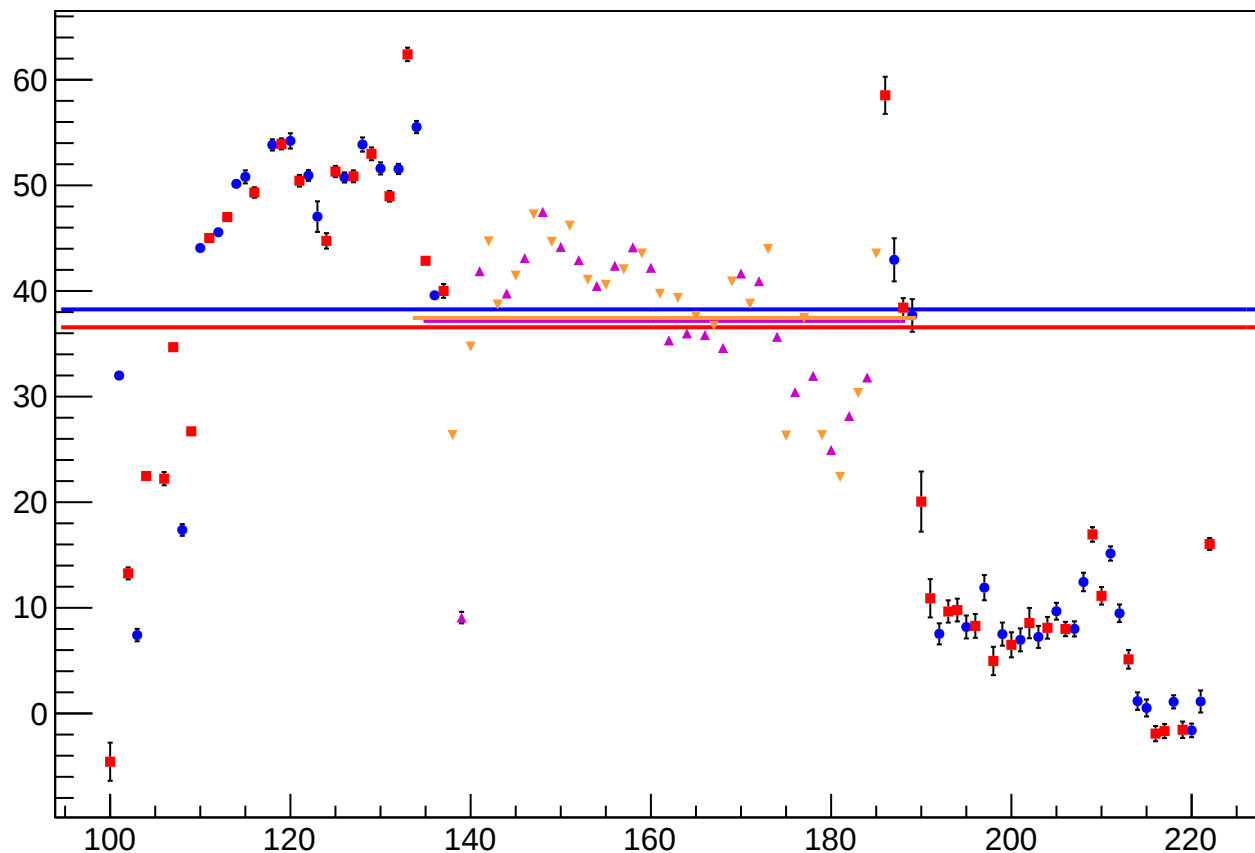
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.786 ± 0.045 $\chi^2/\text{NDF}: 93258.4/59$

All: -31.215 ± 0.032 $\chi^2/\text{NDF}: 185911.4/120$

- sign -31.643 ± 0.045 $\chi^2/\text{NDF}: 92474.0/60$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 38.256 ± 0.080 $\chi^2/\text{NDF}: 38310.0/34$

Left Out: 37.447 ± 0.047 $\chi^2/\text{NDF}: 21570.6/24$

Right Out: 36.563 ± 0.075 $\chi^2/\text{NDF}: 39256.7/37$

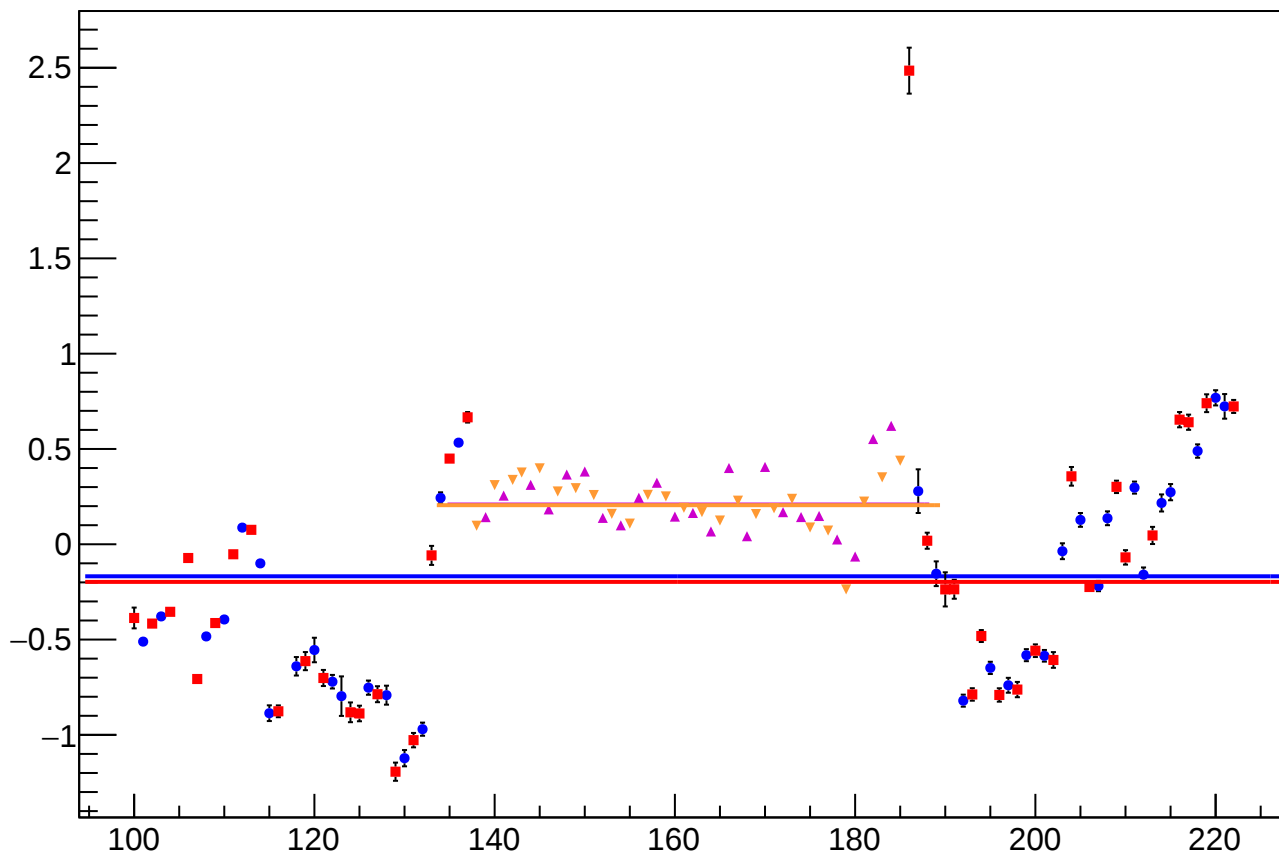
Left In: 37.169 ± 0.049 $\chi^2/\text{NDF}: 17236.9/22$

+ sign 37.654 ± 0.041 $\chi^2/\text{NDF}: 59956.2/59$

All: 37.324 ± 0.029 $\chi^2/\text{NDF}: 116629.1/120$

- sign 36.985 ± 0.041 $\chi^2/\text{NDF}: 56539.3/60$

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.168 ± 0.004 χ^2/NDF : 10231.9/34

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.197 ± 0.004 χ^2/NDF : 11494.6/37

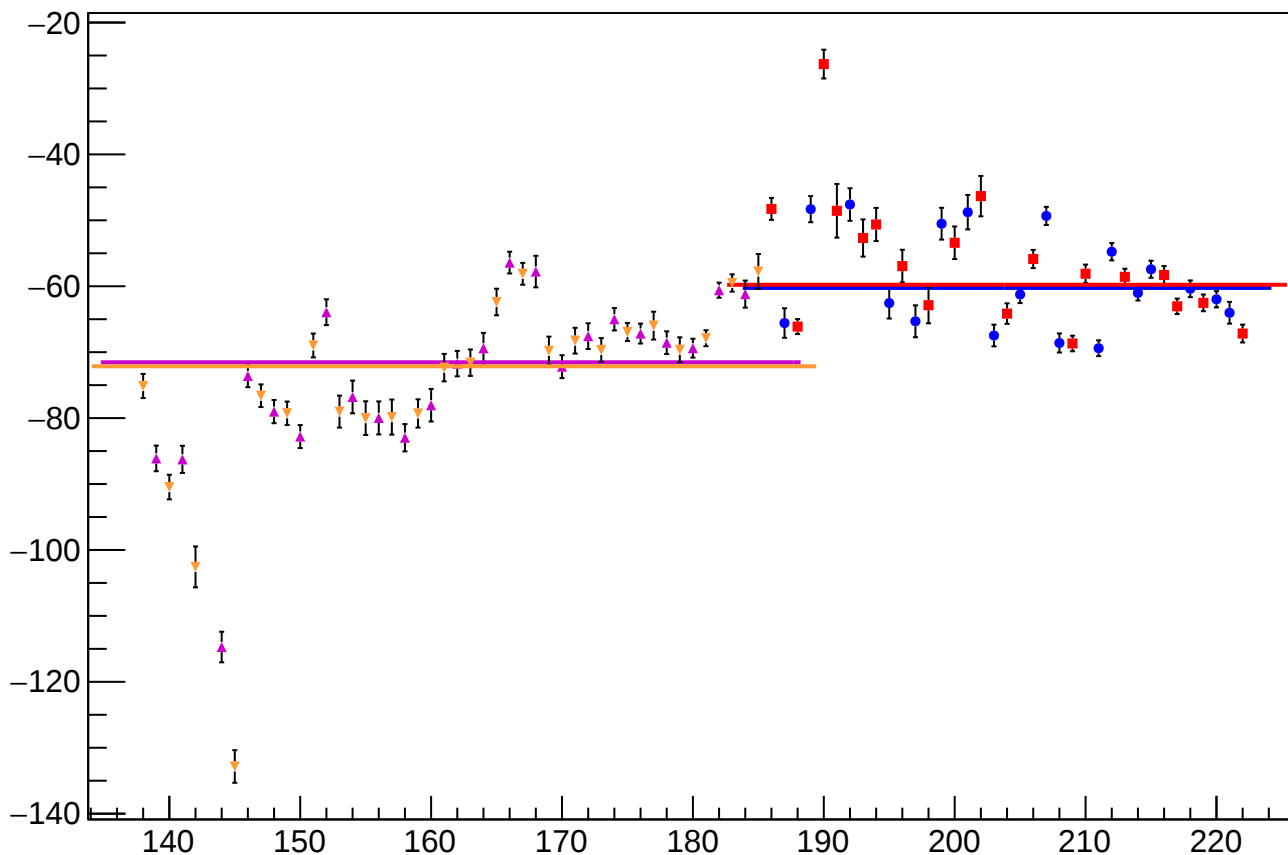
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.128 ± 0.002 χ^2/NDF : 20175.3/59

All: 0.117 ± 0.001 χ^2/NDF : 45035.4/120

- sign 0.106 ± 0.002 χ^2/NDF : 24800.6/60

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -60.252 ± 0.364 χ^2/NDF : 313.8/17

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -59.777 ± 0.364 χ^2/NDF : 487.8/18

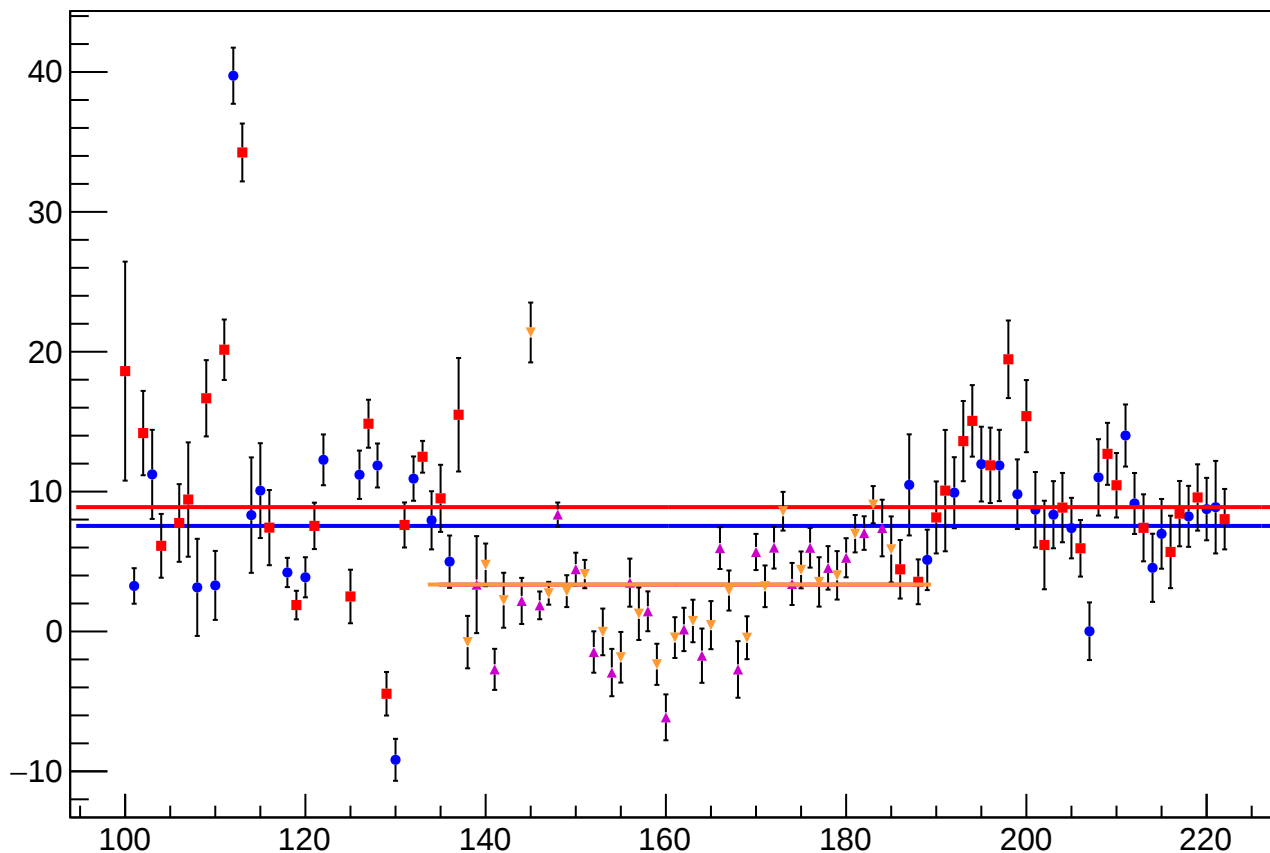
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -65.898 ± 0.264 χ^2/NDF : 1941.1/41

All: -65.640 ± 0.186 χ^2/NDF : 3778.7/83

- sign -65.383 ± 0.264 χ^2/NDF : 1835.6/41

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.546 ± 0.349 χ^2/NDF : 477.0/33

Left Out: 3.357 ± 0.295 χ^2/NDF : 167.7/23

Right Out: 8.890 ± 0.348 χ^2/NDF : 404.5/36

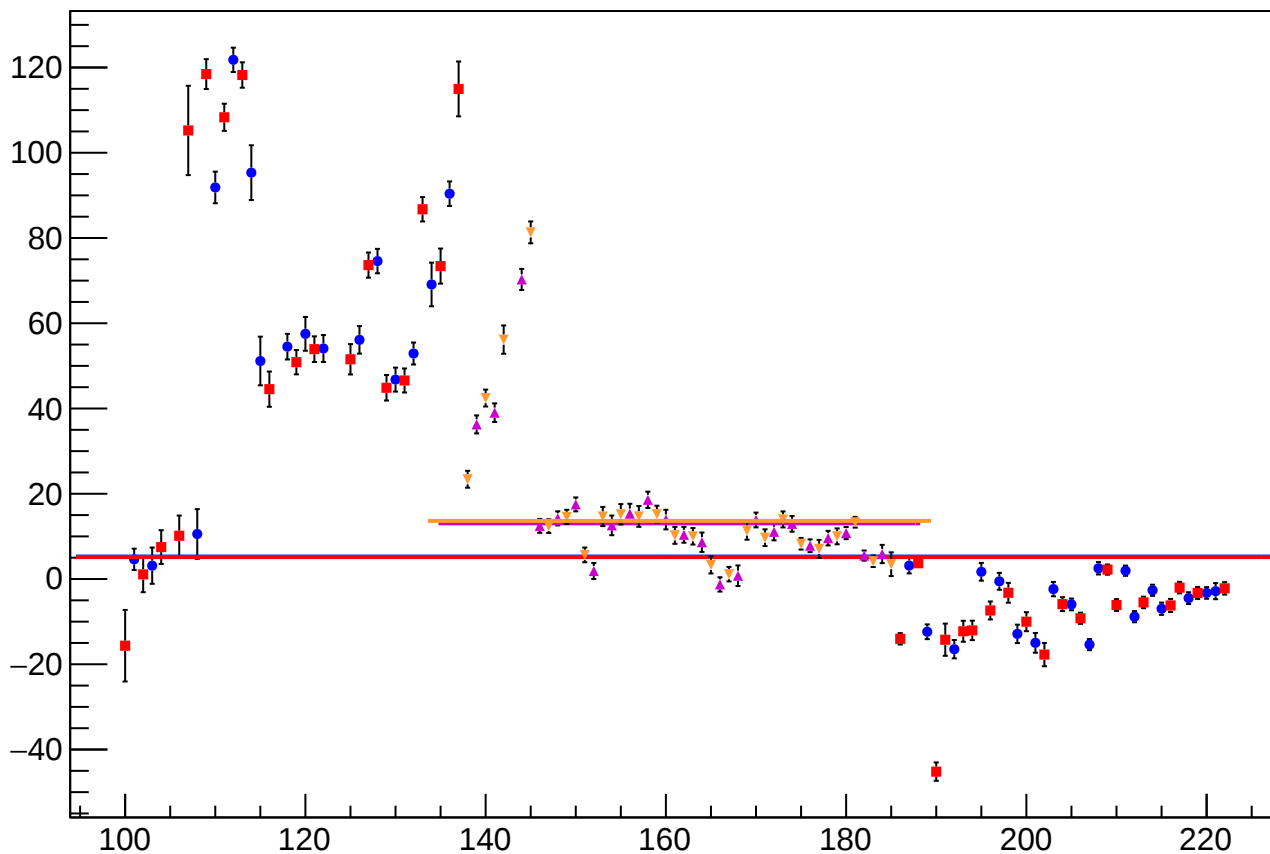
Left In: 3.349 ± 0.298 χ^2/NDF : 163.5/22

+ sign 5.100 ± 0.225 χ^2/NDF : 728.8/57

All: 5.398 ± 0.160 χ^2/NDF : 1446.8/117

- sign 5.699 ± 0.226 χ^2/NDF : 714.5/59

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 5.263 $\pm$ 0.338 χ^2 /NDF: 6616.7/33

Left Out: 13.632 $\pm$ 0.382 χ^2 /NDF:1300.0/23

Right Out: 5.150 $\pm$ 0.329 χ^2 /NDF: 8231.9/36

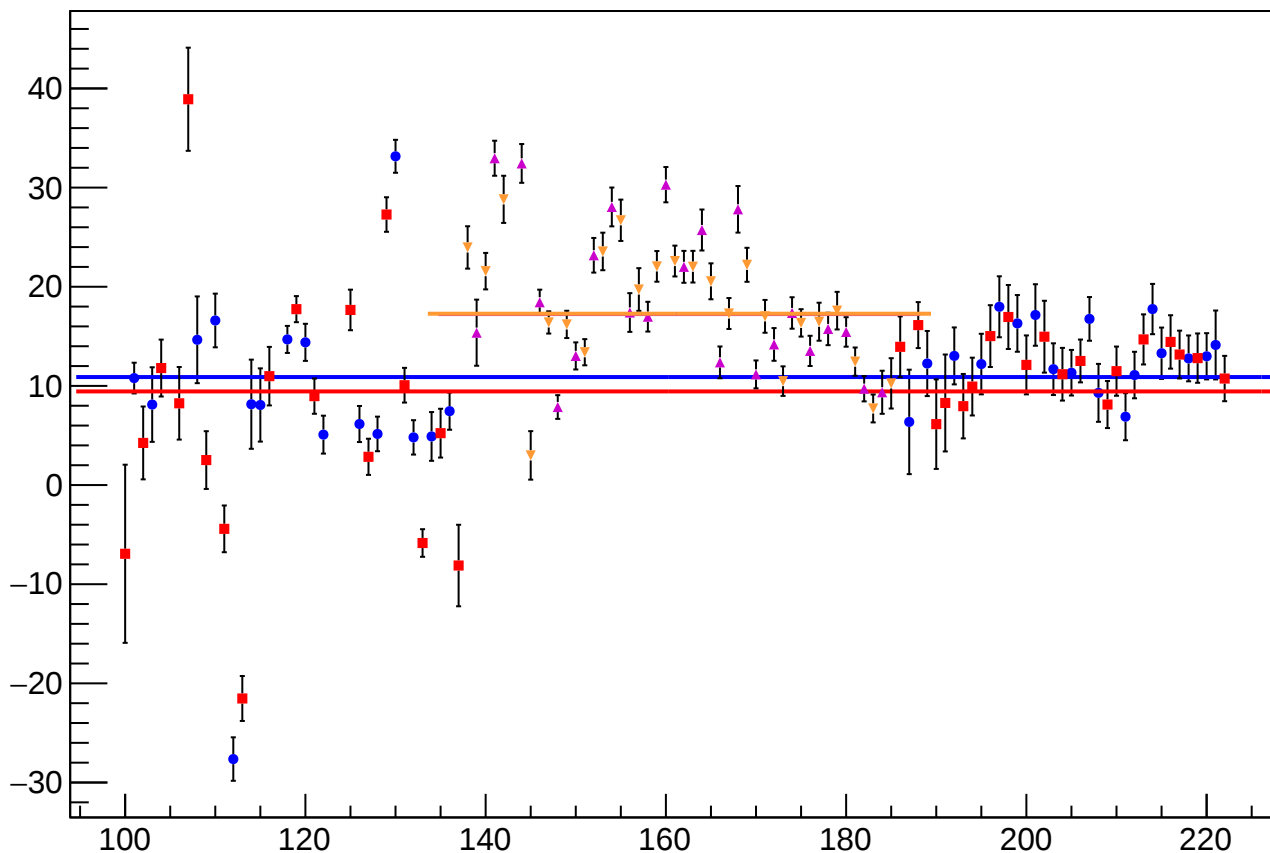
Left In: 13.058 $\pm$ 0.380 χ^2 /NDF:1024.7/22

+ sign 8.935 $\pm$ 0.253 χ^2 /NDF: 8186.5/57

All: 8.736 $\pm$ 0.177 χ^2 /NDF: 17691.9/117

- sign 8.544 $\pm$ 0.249 χ^2 /NDF: 9504.1/59

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.892 ± 0.397 $\chi^2/\text{NDF}: 590.2/33$

Left Out: 17.280 ± 0.337 $\chi^2/\text{NDF}: 243.9/23$

Right Out: 9.444 ± 0.400 $\chi^2/\text{NDF}: 620.2/36$

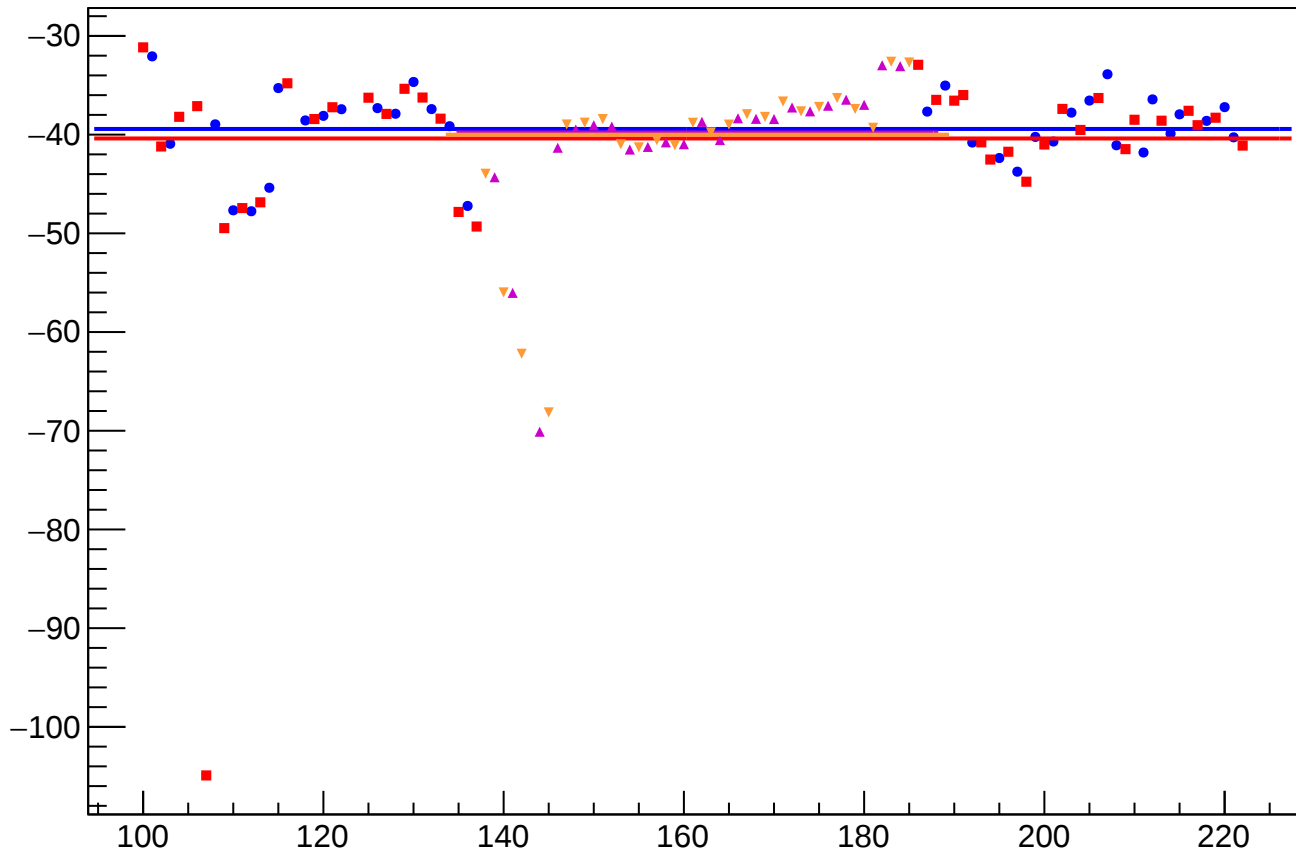
Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

+ sign 14.604 ± 0.257 $\chi^2/\text{NDF}: 984.5/57$

All: 14.293 ± 0.182 $\chi^2/\text{NDF}: 2269.7/117$

- sign 13.977 ± 0.259 $\chi^2/\text{NDF}: 1282.2/59$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.425 ± 0.020 $\chi^2/\text{NDF}: 38200.2/33$

Left Out: -39.999 ± 0.016 $\chi^2/\text{NDF}: 172263.8/23$

Right Out: -40.389 ± 0.020 $\chi^2/\text{NDF}: 108021.8/36$

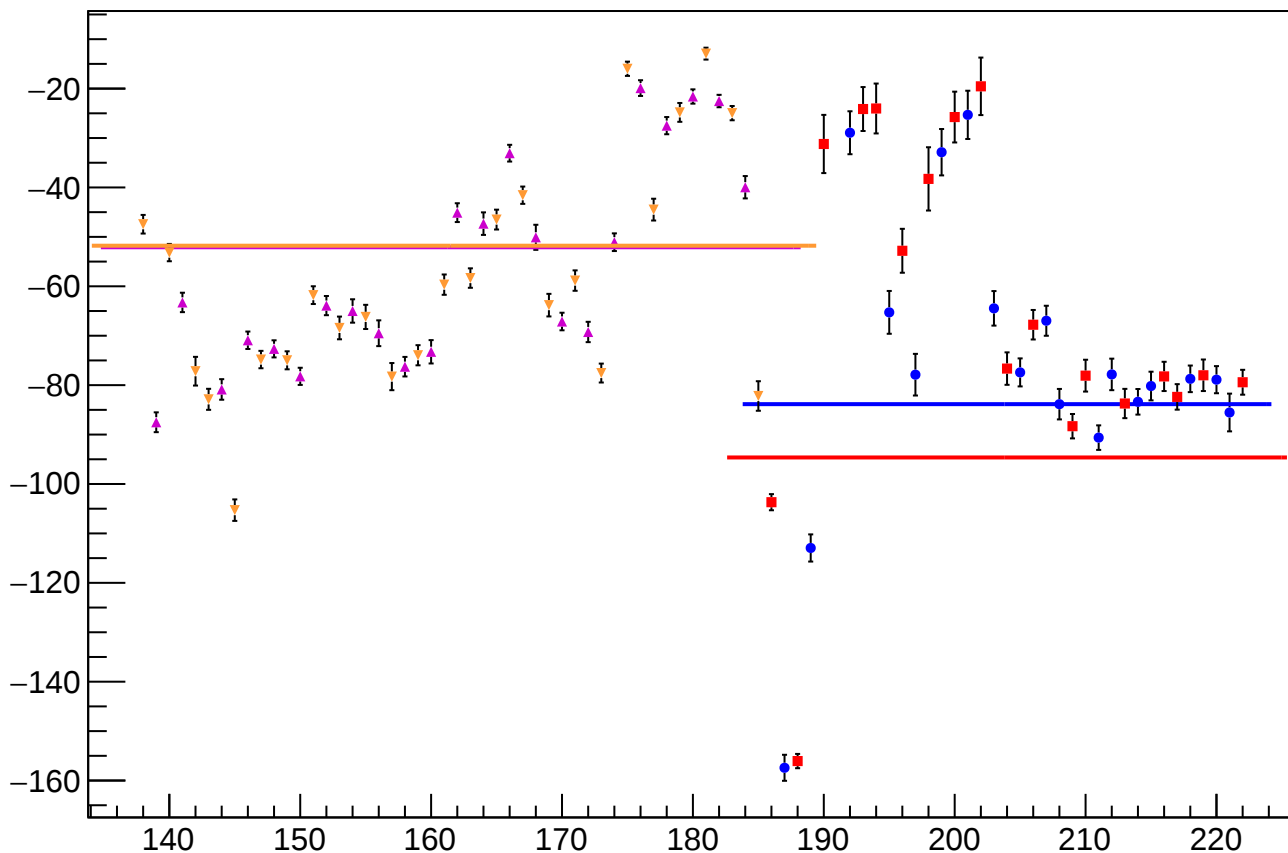
Left In: -39.785 ± 0.016 $\chi^2/\text{NDF}: 144494.5/22$

+ sign -39.779 ± 0.012 $\chi^2/\text{NDF}: 210974.5/57$

All: -39.899 ± 0.009 $\chi^2/\text{NDF}: 464252.8/117$

- sign -40.017 ± 0.012 $\chi^2/\text{NDF}: 253090.8/59$

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -83.845+/-0.742 χ^2/NDF : 1422.1/17

Left Out: -51.787+/-0.383 χ^2/NDF : 4164.8/24

Right Out: -94.632+/-0.672 χ^2/NDF : 3186.1/17

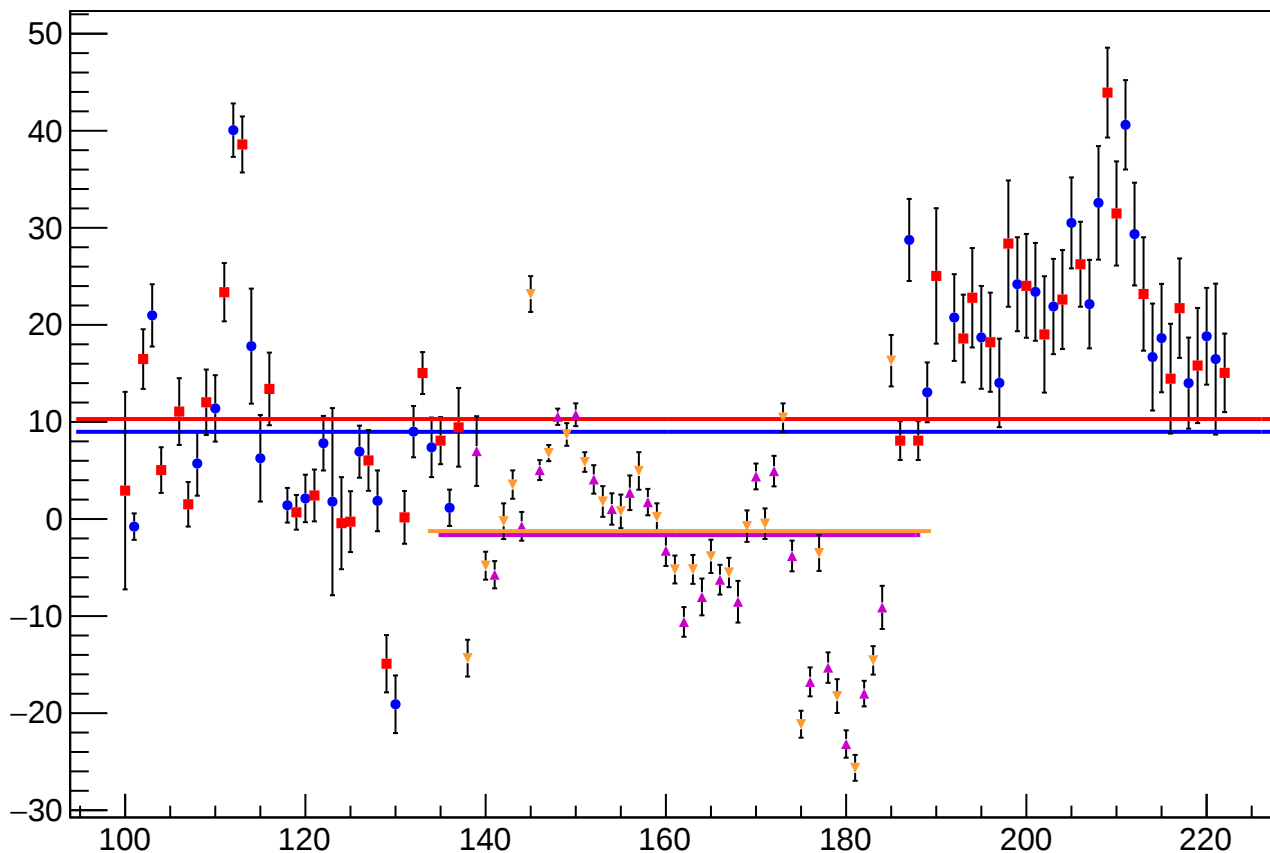
Left In: -52.104+/-0.389 χ^2/NDF : 3280.2/22

+ sign -58.517+/-0.340 χ^2/NDF : 7060.5/42

All: -60.665+/-0.239 χ^2/NDF : 16607.6/83

- sign -62.766+/-0.336 χ^2/NDF : 9468.2/40

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 8.982 ± 0.549 $\chi^2/\text{NDF}: 515.0/34$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 10.301 ± 0.538 $\chi^2/\text{NDF}: 423.7/36$

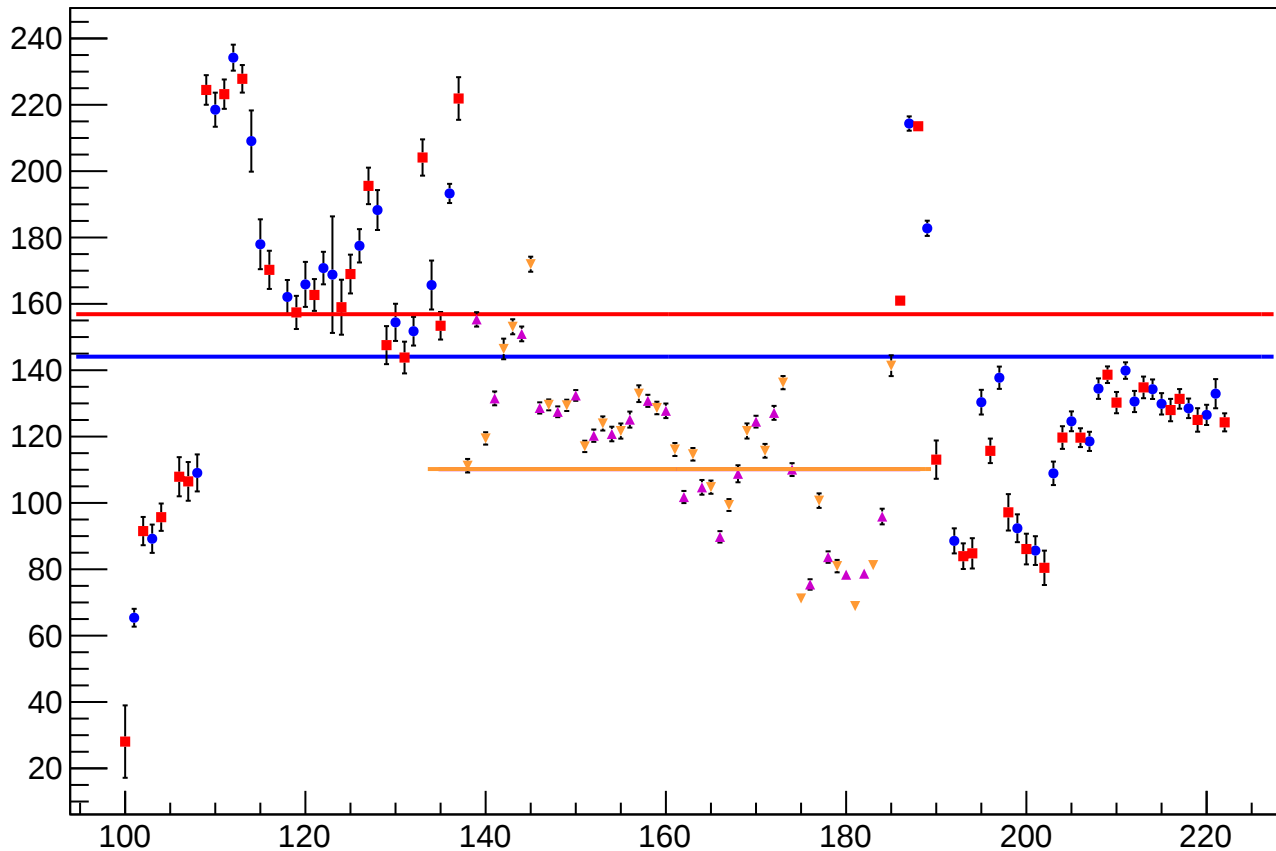
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 1.009 ± 0.258 $\chi^2/\text{NDF}: 2108.6/59$

All: 1.095 ± 0.184 $\chi^2/\text{NDF}: 4000.7/119$

- sign 1.184 ± 0.262 $\chi^2/\text{NDF}: 1891.9/59$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 144.087 ± 0.613 $\chi^2/\text{NDF}: 4586.5/34$

Left Out: 110.213 ± 0.382 $\chi^2/\text{NDF}: 4593.7/24$

Right Out: 156.886 ± 0.545 $\chi^2/\text{NDF}: 6313.4/36$

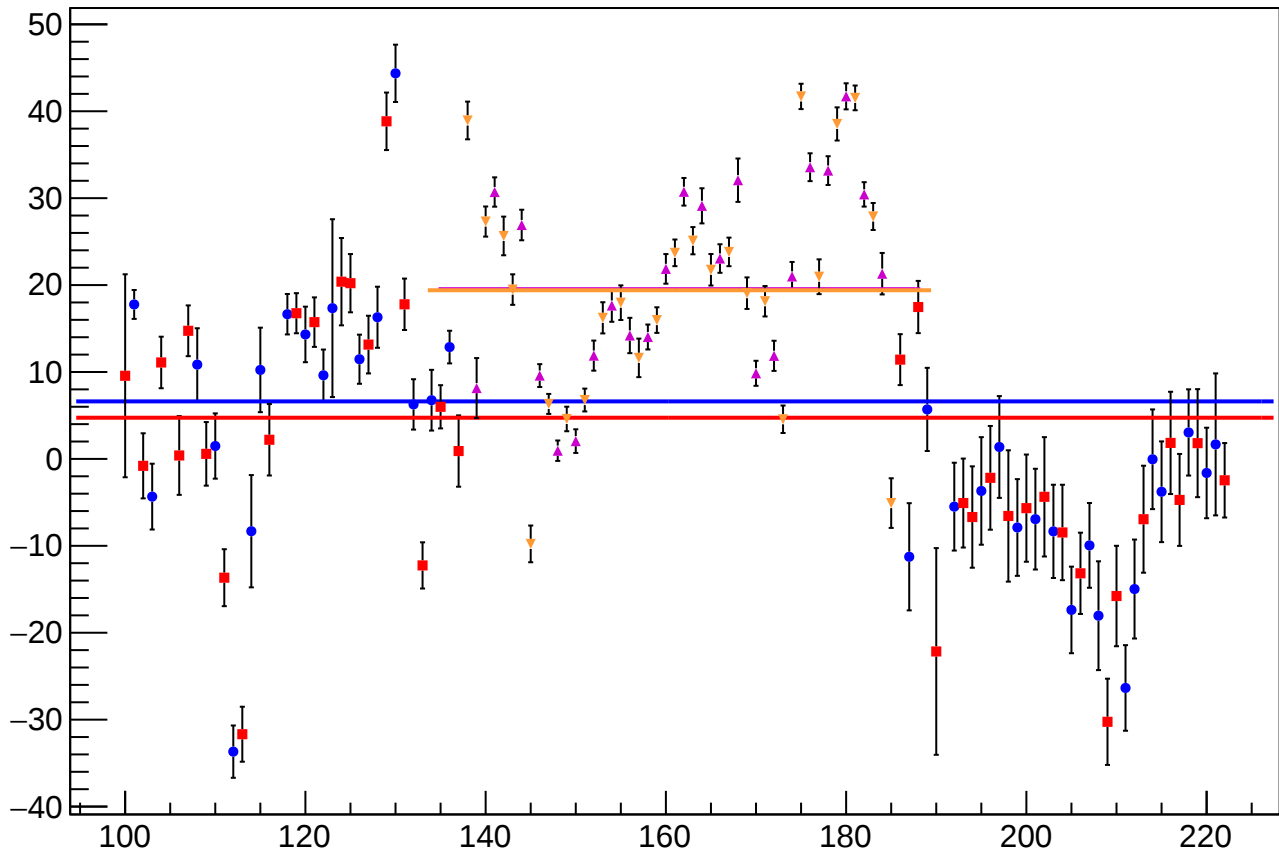
Left In: 110.171 ± 0.386 $\chi^2/\text{NDF}: 3702.6/22$

+ sign 119.689 ± 0.324 $\chi^2/\text{NDF}: 11379.3/59$

All: 122.814 ± 0.226 $\chi^2/\text{NDF}: 26465.7/119$

- sign 125.765 ± 0.315 $\chi^2/\text{NDF}: 14905.7/59$

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 6.618 ± 0.630 $\chi^2/\text{NDF}: 576.1/34$

Left Out: 19.405 ± 0.335 $\chi^2/\text{NDF}: 1453.4/24$

Right Out: 4.739 ± 0.632 $\chi^2/\text{NDF}: 569.4/36$

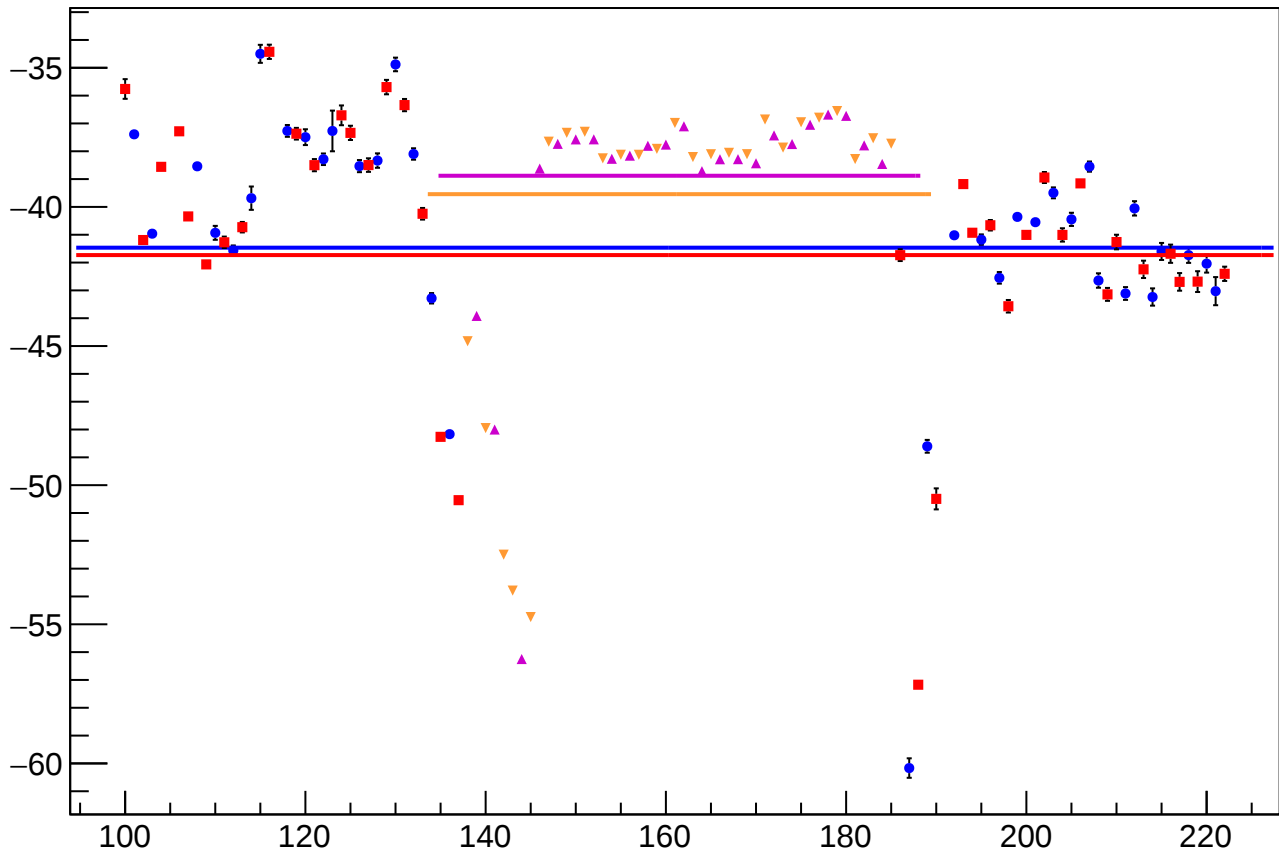
Left In: 19.530 ± 0.342 $\chi^2/\text{NDF}: 1181.3/22$

+ sign 16.591 ± 0.296 $\chi^2/\text{NDF}: 2350.8/59$

All: 16.388 ± 0.211 $\chi^2/\text{NDF}: 4525.4/119$

- sign 16.177 ± 0.301 $\chi^2/\text{NDF}: 2173.7/59$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.465 ± 0.031 $\chi^2/\text{NDF}: 16970.5/34$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.731 ± 0.031 $\chi^2/\text{NDF}: 23137.1/36$

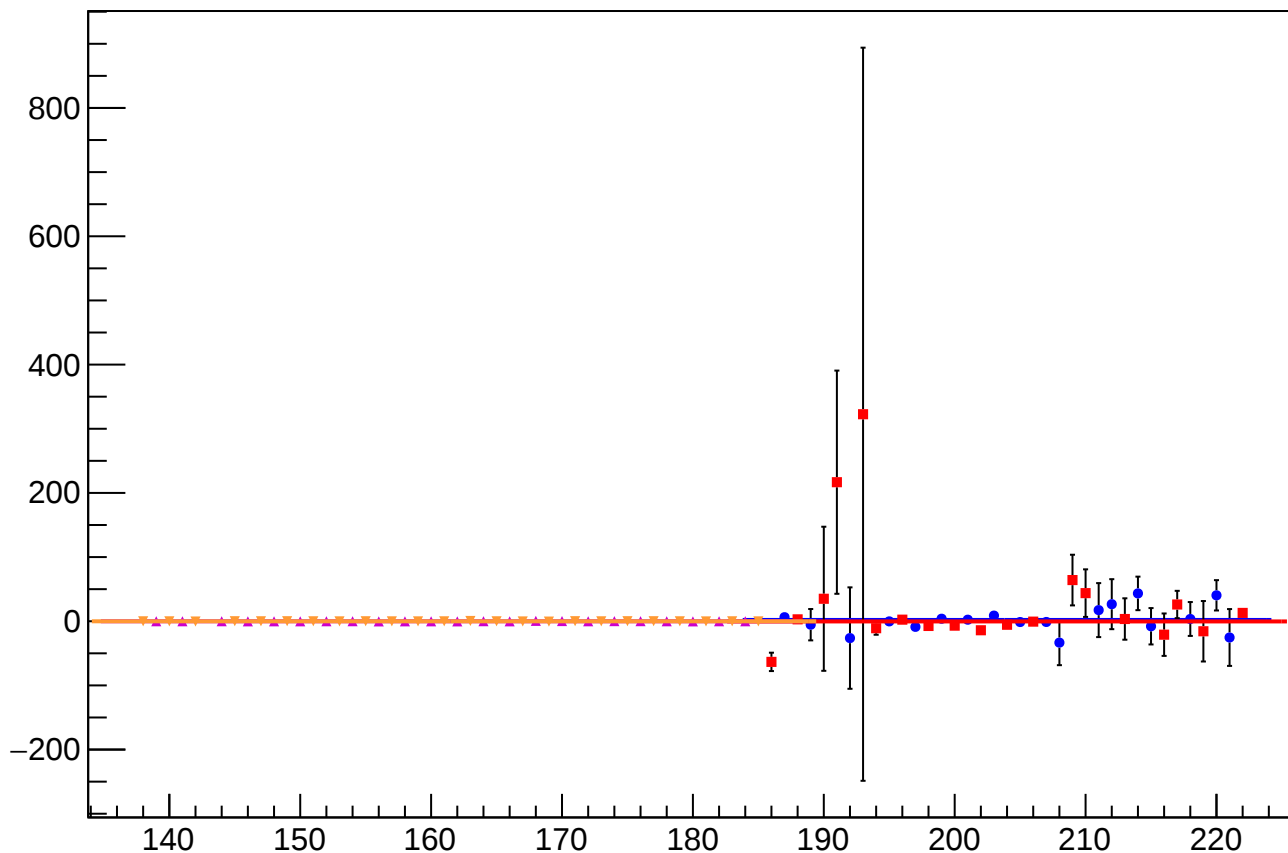
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.933 ± 0.014 $\chi^2/\text{NDF}: 112037.2/59$

All: -39.706 ± 0.010 $\chi^2/\text{NDF}: 195871.2/119$

- sign -39.476 ± 0.014 $\chi^2/\text{NDF}: 83307.0/59$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 2.003 ± 1.522 χ^2/NDF : 18.5/17

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.298 ± 1.389 χ^2/NDF : 42.0/18

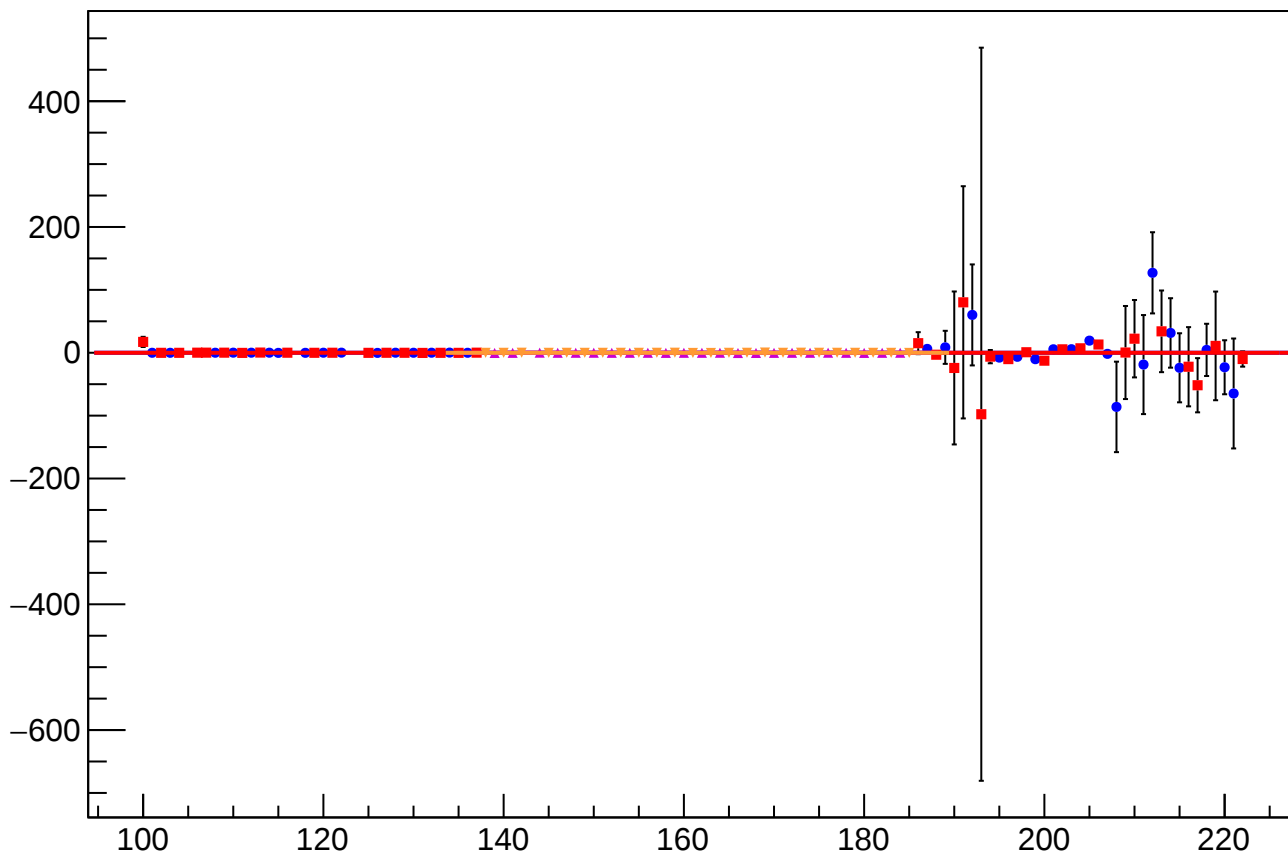
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 60.1/41

All: -0.057 ± 0.016 χ^2/NDF : 139.4/83

- sign -0.026 ± 0.022 χ^2/NDF : 75.3/41

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 38.6/33

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 43.7/36

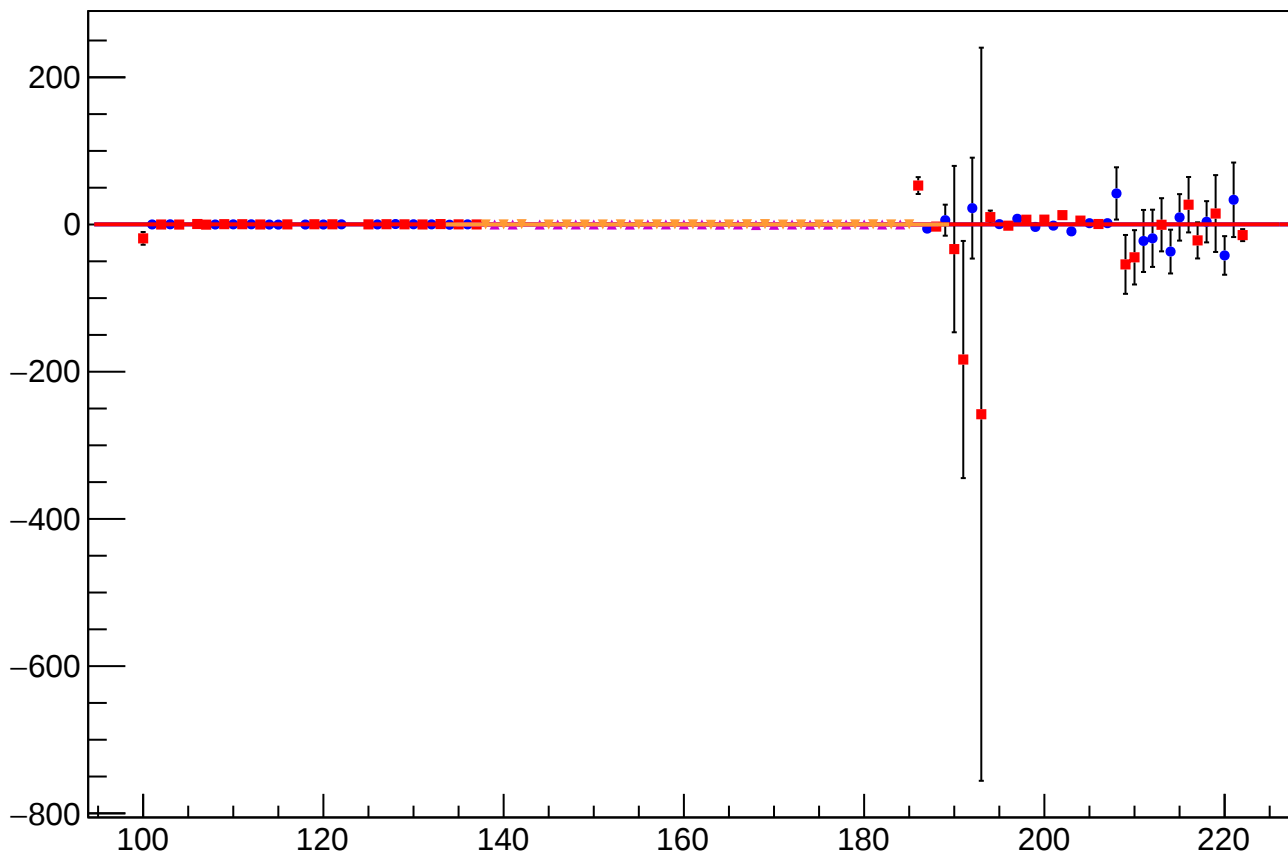
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 70.1/57

All: -0.056 ± 0.011 χ^2/NDF : 145.7/117

- sign -0.052 ± 0.015 χ^2/NDF : 75.4/59

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 χ^2/NDF : 33.8/33

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.235 ± 0.054 χ^2/NDF : 64.9/36

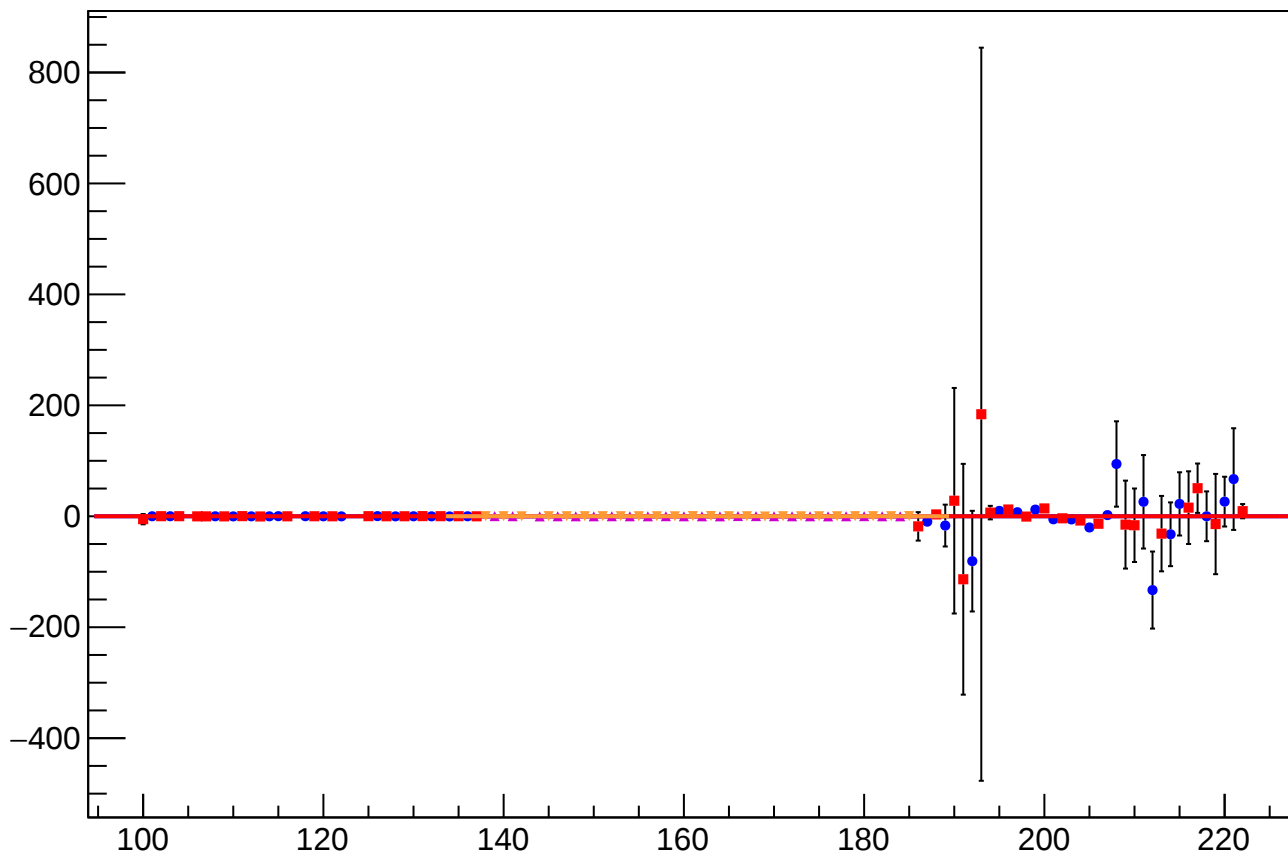
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 74.7/57

All: 0.073 ± 0.014 χ^2/NDF : 191.0/117

- sign 0.051 ± 0.021 χ^2/NDF : 114.1/59

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 $\chi^2/\text{NDF}: 40.1/33$

Left Out: 0.105 ± 0.020 $\chi^2/\text{NDF}: 29.5/23$

Right Out: 0.057 ± 0.034 $\chi^2/\text{NDF}: 36.8/36$

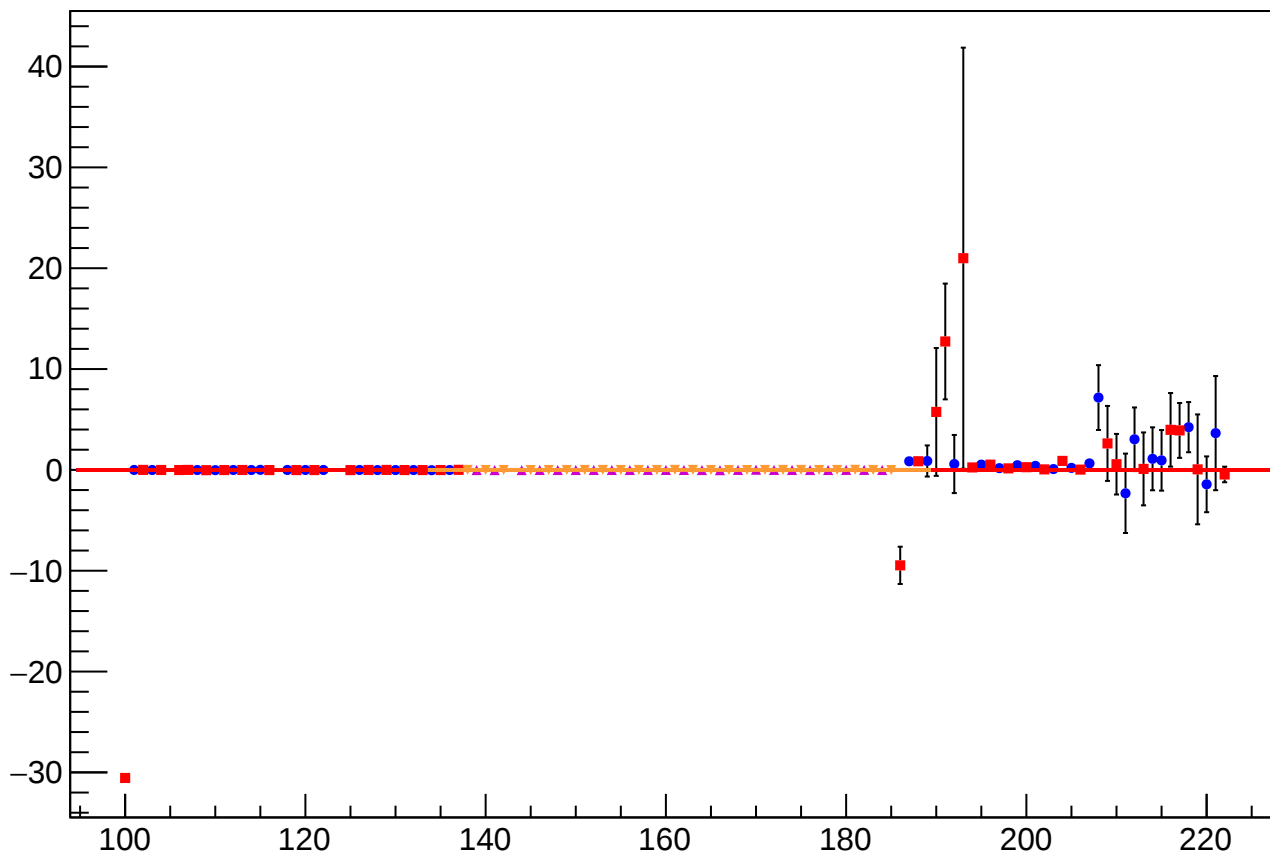
Left In: 0.069 ± 0.020 $\chi^2/\text{NDF}: 31.3/22$

+ sign 0.076 ± 0.017 $\chi^2/\text{NDF}: 78.1/57$

All: 0.071 ± 0.012 $\chi^2/\text{NDF}: 146.5/117$

- sign 0.066 ± 0.017 $\chi^2/\text{NDF}: 68.2/59$

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 51.7/33

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11958.5/36

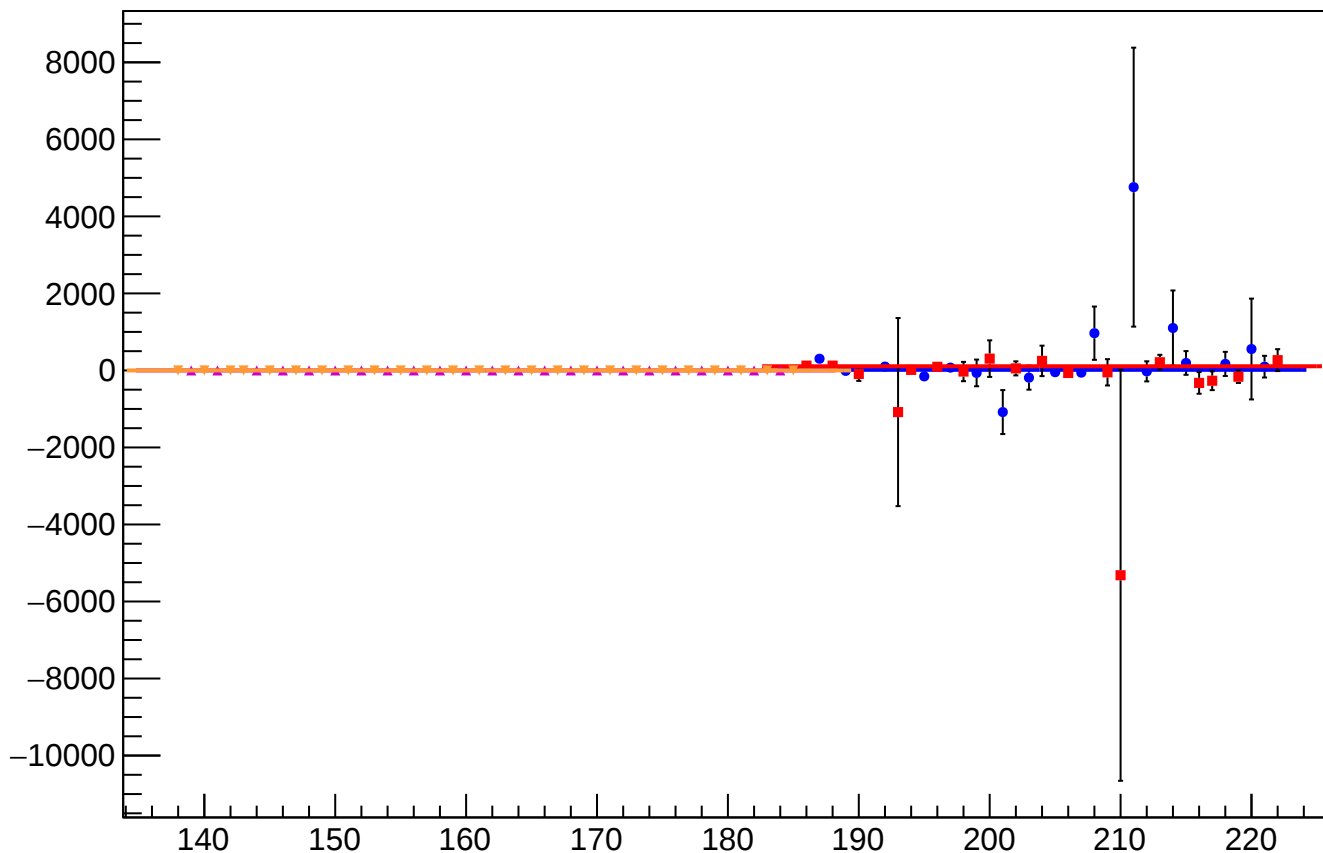
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 85.2/57

All: -0.009 ± 0.001 χ^2/NDF : 12087.3/117

- sign -0.009 ± 0.001 χ^2/NDF : 12001.7/59

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 15.766+/-25.610 χ^2/NDF : 26.0/17

Left Out: 0.017+/-0.027 χ^2/NDF : 30.9/24

Right Out: 107.979+/-15.945 χ^2/NDF : 16.8/17

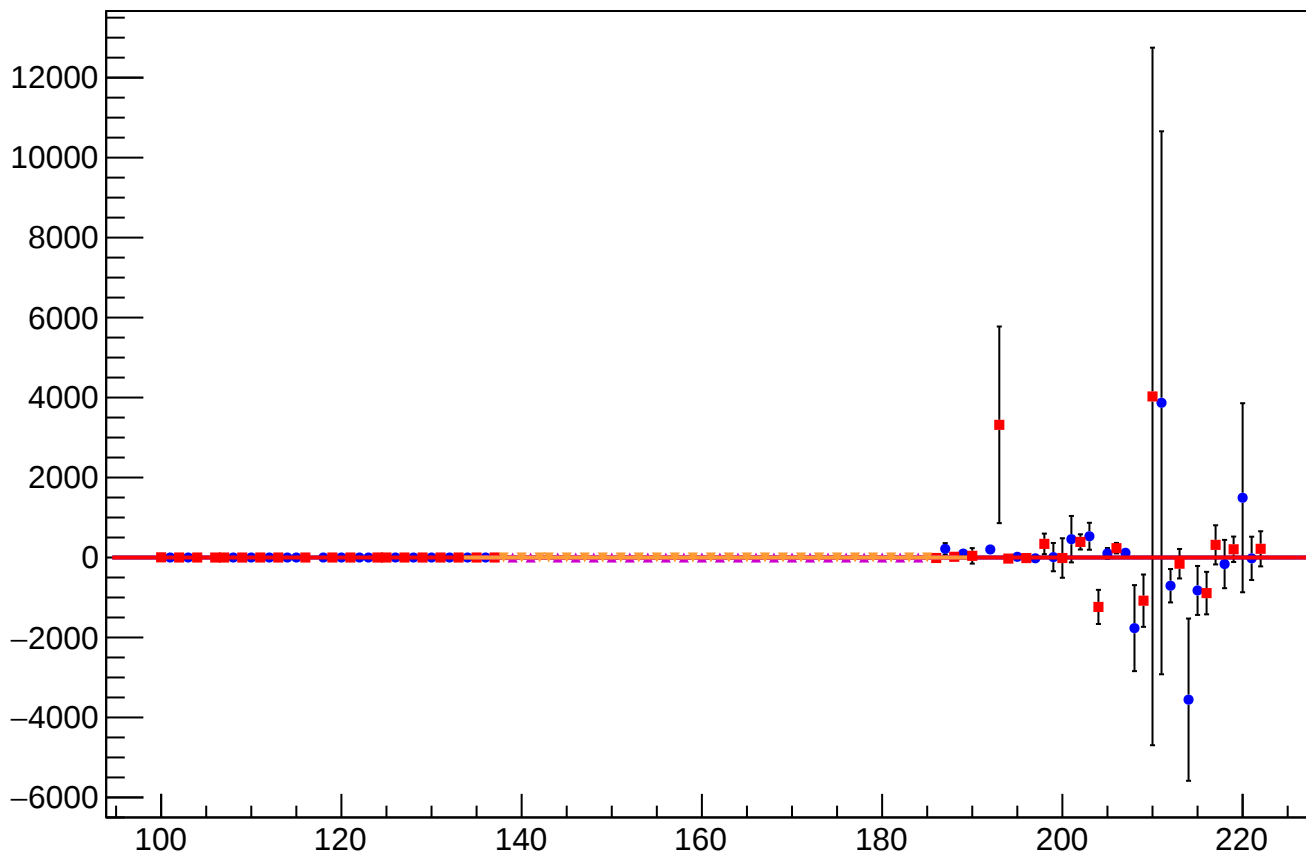
Left In: 0.002+/-0.028 χ^2/NDF : 29.0/22

+ sign 0.017+/-0.027 χ^2/NDF : 57.4/42

All: 0.010+/-0.019 χ^2/NDF : 149.2/83

- sign 0.003+/-0.028 χ^2/NDF : 91.7/40

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 50.3/34

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 45.3/36

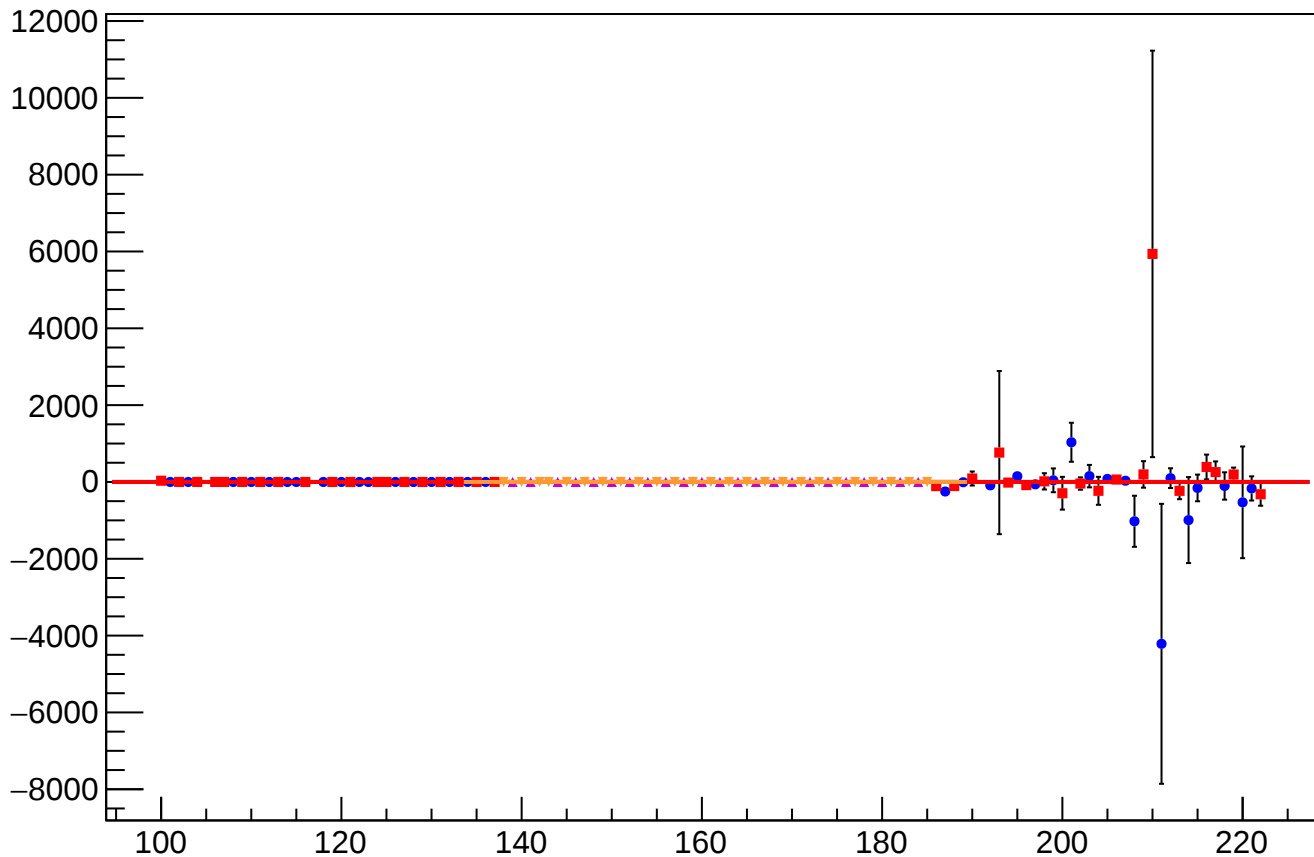
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 75.7/59

All: -0.066 ± 0.013 χ^2/NDF : 172.6/119

- sign -0.083 ± 0.019 χ^2/NDF : 95.4/59

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 51.5/34

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 86.4/36

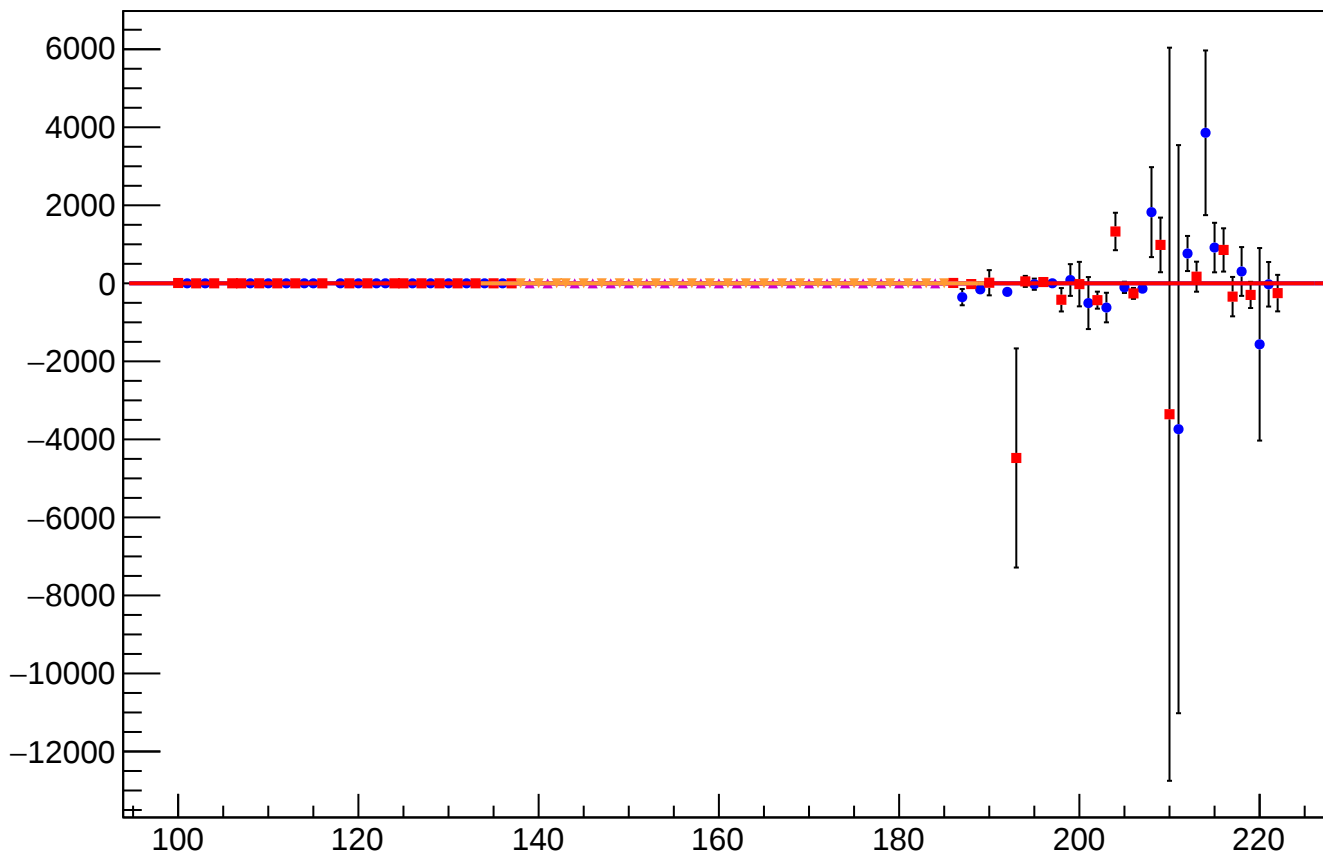
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 83.1/59

All: -0.042 ± 0.018 χ^2/NDF : 201.3/119

- sign -0.050 ± 0.026 χ^2/NDF : 118.0/59

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 $\pm$ 0.043 χ^2 /NDF: 49.8/34

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 42.8/36

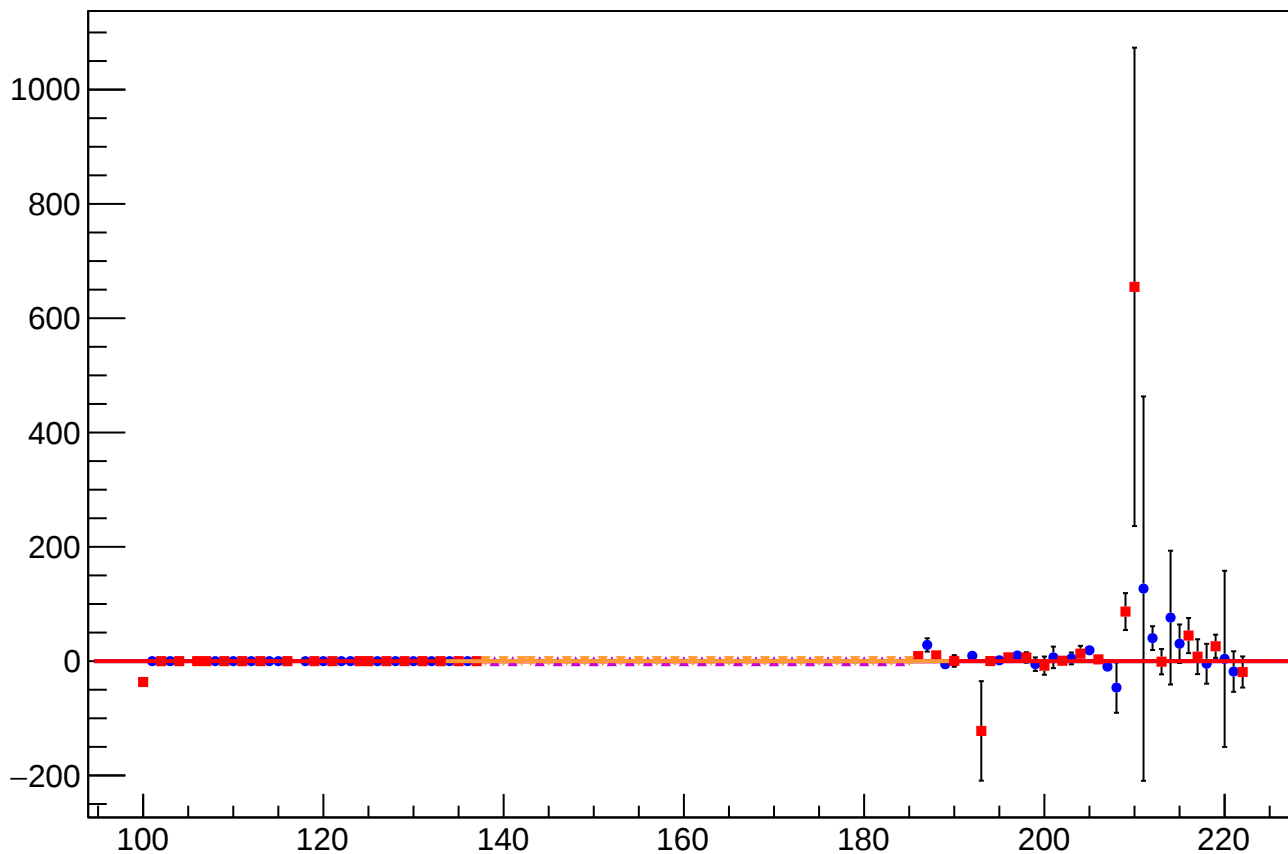
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 75.3/59

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 173.3/119

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 96.8/59

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 $\chi^2/\text{NDF}: 69.4/34$

Left Out: 0.008 ± 0.001 $\chi^2/\text{NDF}: 26.3/24$

Right Out: 0.001 ± 0.002 $\chi^2/\text{NDF}: 10488.3/36$

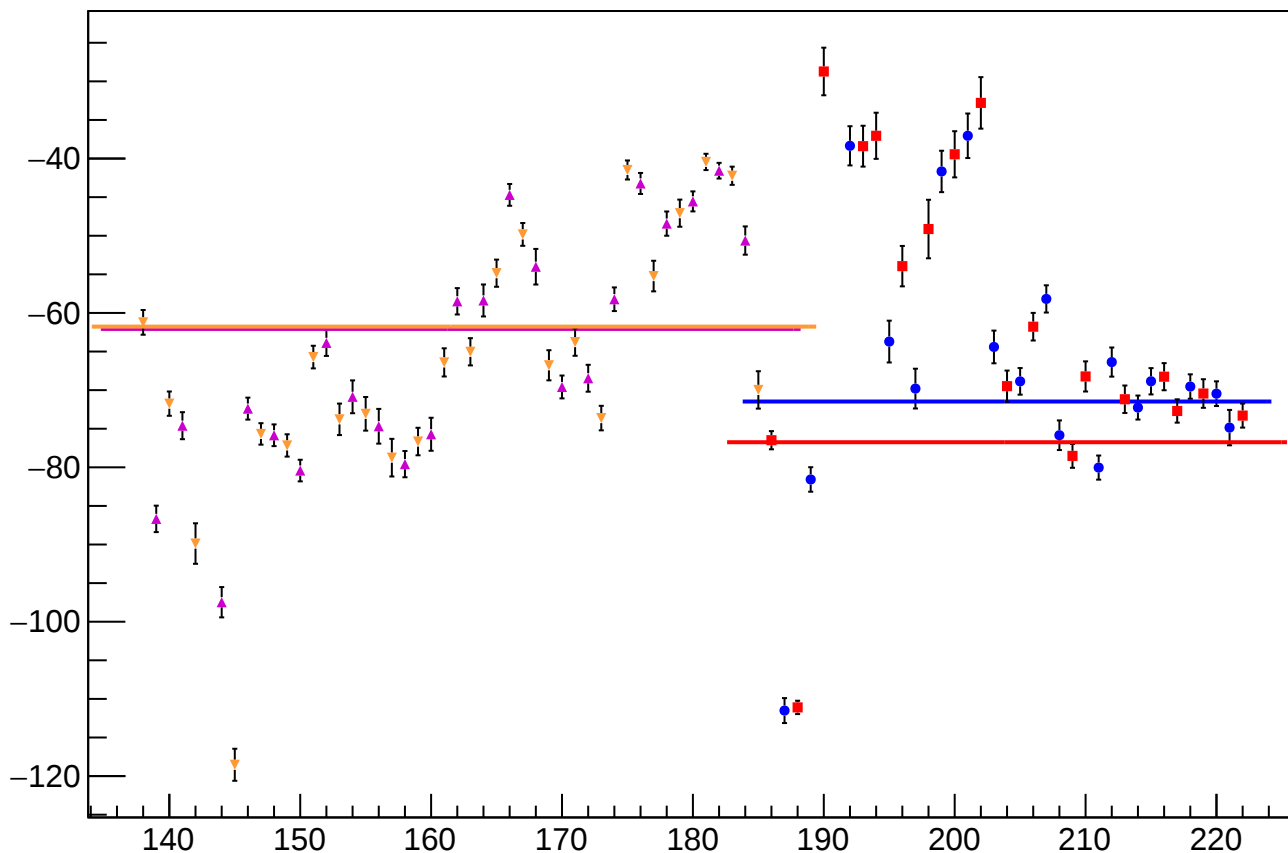
Left In: 0.009 ± 0.001 $\chi^2/\text{NDF}: 15.0/22$

+ sign 0.007 ± 0.001 $\chi^2/\text{NDF}: 103.8/59$

All: 0.007 ± 0.001 $\chi^2/\text{NDF}: 10617.6/119$

- sign 0.007 ± 0.001 $\chi^2/\text{NDF}: 10513.7/59$

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.475+/-0.445 χ^2/NDF : 1217.4/17

Left Out: -61.771+/-0.334 χ^2/NDF : 2504.9/23

Right Out: -76.749+/-0.413 χ^2/NDF : 2828.0/17

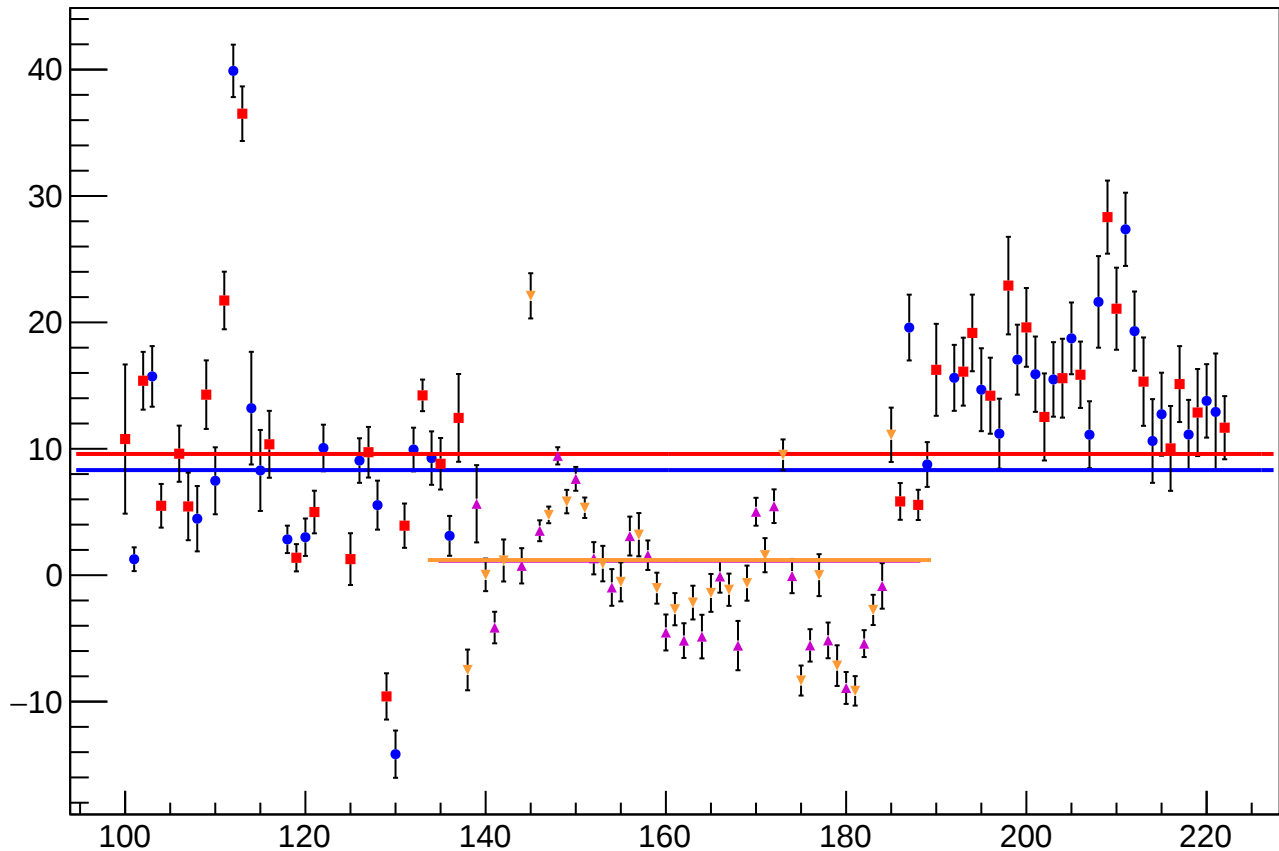
Left In: -62.073+/-0.332 χ^2/NDF : 2192.0/22

+ sign -65.271+/-0.267 χ^2/NDF : 4027.0/41

All: -66.594+/-0.186 χ^2/NDF : 9860.7/82

- sign -67.839+/-0.259 χ^2/NDF : 5786.1/40

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 8.315 ± 0.361 χ^2/NDF : 644.9/33

Left Out: 1.198 ± 0.253 χ^2/NDF : 526.3/23

Right Out: 9.591 ± 0.360 χ^2/NDF : 552.2/35

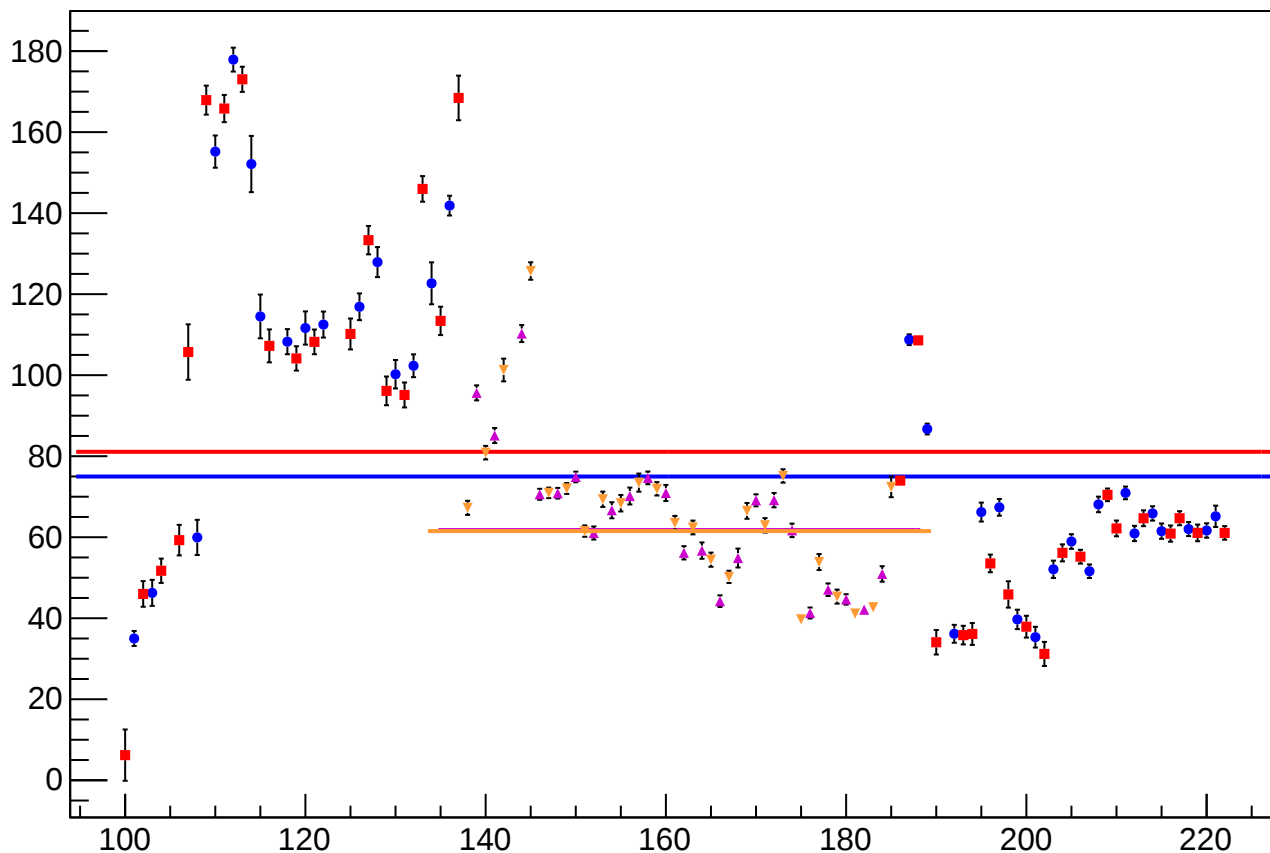
Left In: 1.146 ± 0.255 χ^2/NDF : 462.9/22

+ sign 3.533 ± 0.207 χ^2/NDF : 1431.7/57

All: 3.752 ± 0.147 χ^2/NDF : 2815.3/116

- sign 3.973 ± 0.208 χ^2/NDF : 1381.3/58

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 74.983 ± 0.383 χ^2/NDF : 6219.4/33

Left Out: 61.512 ± 0.332 χ^2/NDF : 2606.0/23

Right Out: 81.086 ± 0.347 χ^2/NDF : 8119.8/35

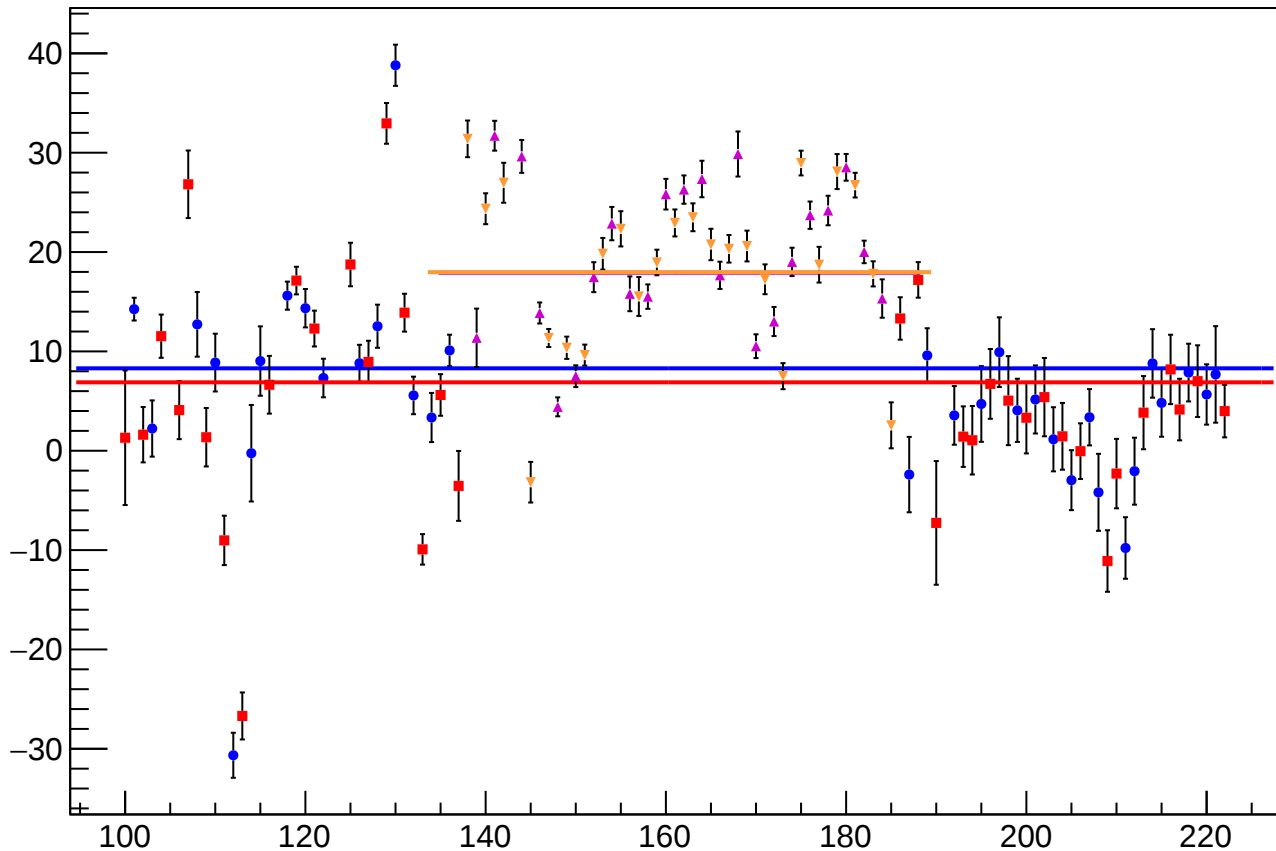
Left In: 61.762 ± 0.330 χ^2/NDF : 2418.2/22

+ sign 67.300 ± 0.251 χ^2/NDF : 9531.3/57

All: 69.206 ± 0.173 χ^2/NDF : 21807.8/116

- sign 70.936 ± 0.239 χ^2/NDF : 12166.4/58

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 8.296 ± 0.419 χ^2/NDF : 688.7/33

Left Out: 17.980 ± 0.291 χ^2/NDF : 674.4/23

Right Out: 6.887 ± 0.425 χ^2/NDF : 794.7/35

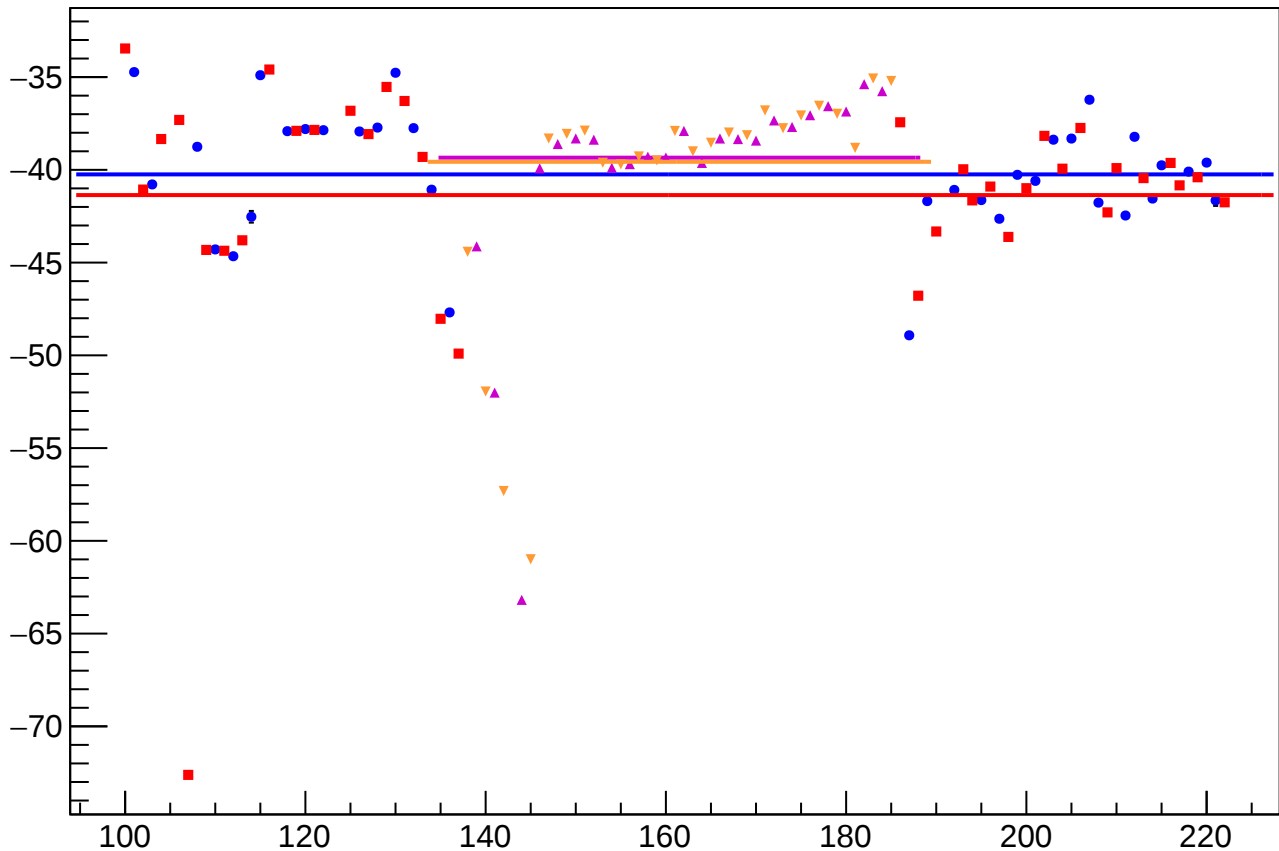
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 14.826 ± 0.239 χ^2/NDF : 1724.1/57

All: 14.600 ± 0.170 χ^2/NDF : 3704.6/116

- sign 14.371 ± 0.241 χ^2/NDF : 1978.7/58

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.245 ± 0.021 χ^2/NDF : 29932.3/33

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.360 ± 0.021 χ^2/NDF : 68820.9/35

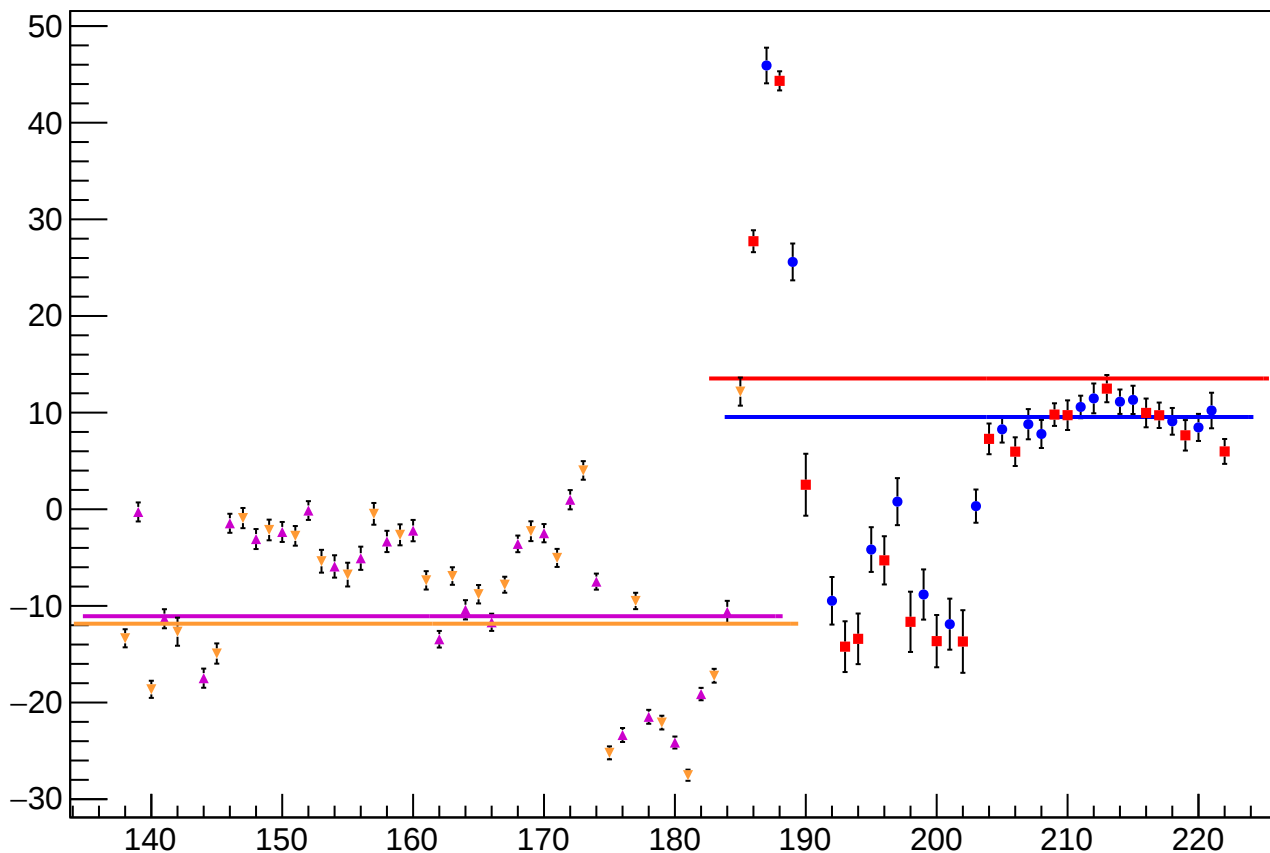
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.771 ± 0.011 χ^2/NDF : 171868.7/57

All: -39.859 ± 0.008 χ^2/NDF : 363982.7/116

- sign -39.945 ± 0.011 χ^2/NDF : 191997.5/58

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 9.546 ± 0.386 $\chi^2/\text{NDF}: 720.9/17$

Left Out: -11.842 ± 0.187 $\chi^2/\text{NDF}: 2739.8/23$

Right Out: 13.532 ± 0.372 $\chi^2/\text{NDF}: 1767.9/17$

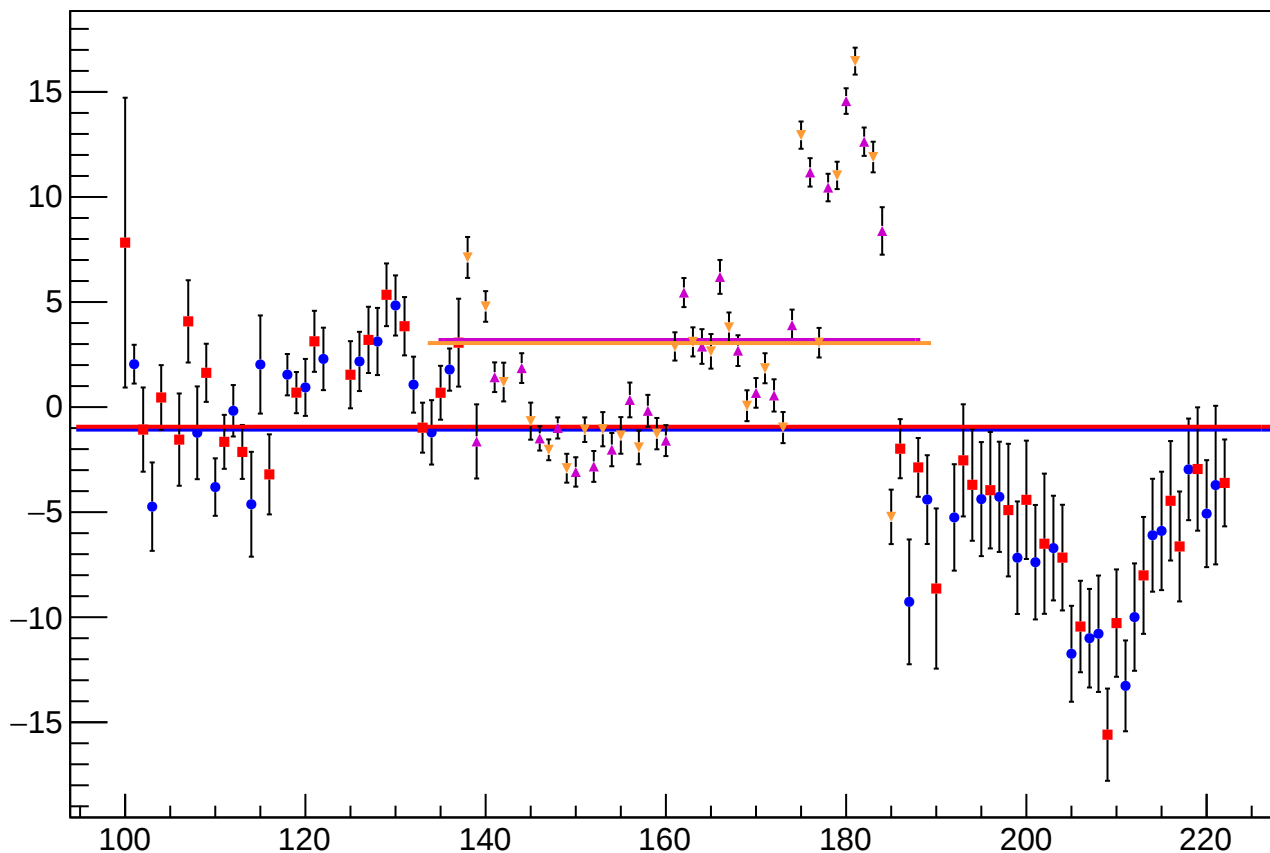
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -7.782 ± 0.168 $\chi^2/\text{NDF}: 5949.2/41$

All: -6.921 ± 0.119 $\chi^2/\text{NDF}: 13356.5/82$

- sign -6.065 ± 0.168 $\chi^2/\text{NDF}: 7355.1/40$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.071 ± 0.298 $\chi^2/\text{NDF}: 214.6/33$

Left Out: 3.047 ± 0.148 $\chi^2/\text{NDF}: 1457.2/23$

Right Out: -0.935 ± 0.298 $\chi^2/\text{NDF}: 182.9/35$

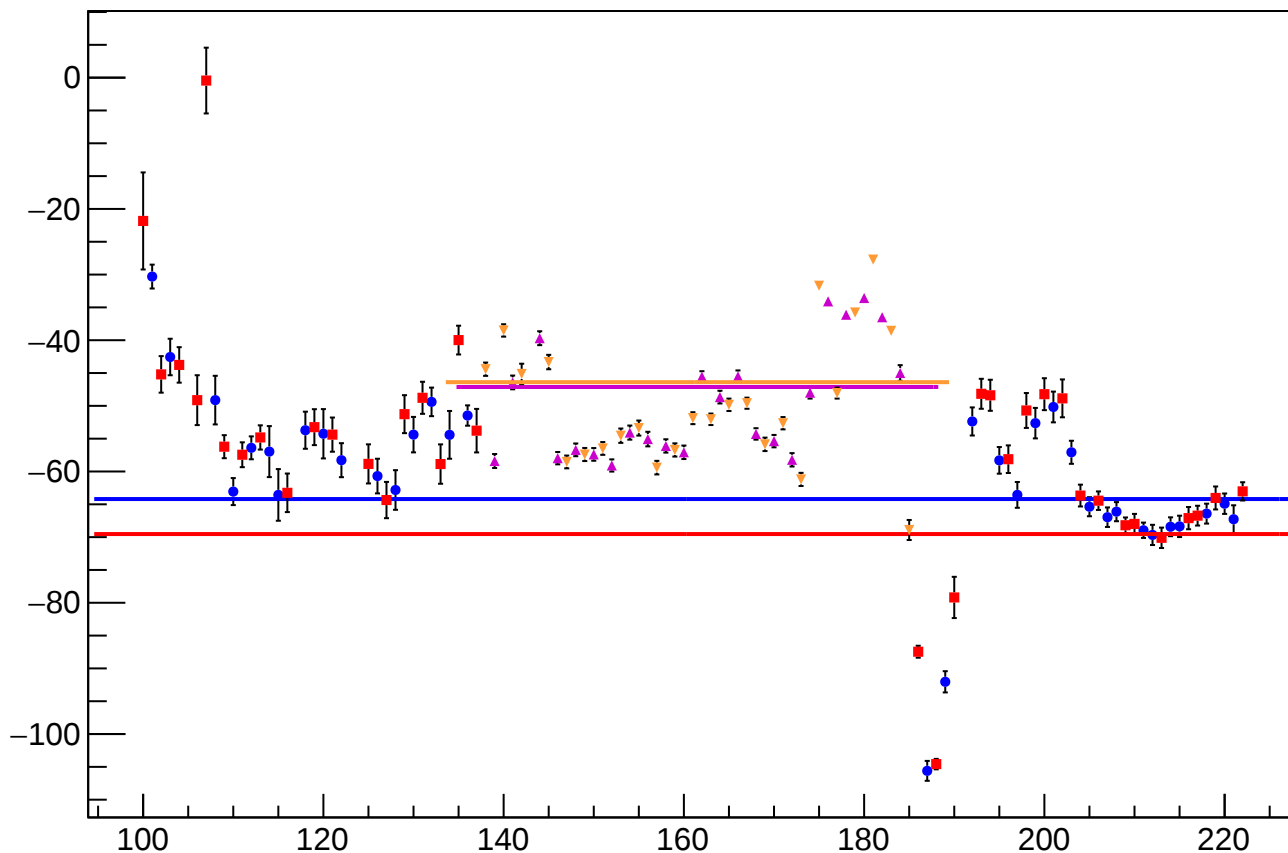
Left In: 3.194 ± 0.150 $\chi^2/\text{NDF}: 1295.0/22$

+ sign 2.232 ± 0.132 $\chi^2/\text{NDF}: 1825.2/57$

All: 2.295 ± 0.094 $\chi^2/\text{NDF}: 3457.0/116$

- sign 2.359 ± 0.134 $\chi^2/\text{NDF}: 1631.4/58$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -64.198 ± 0.327 χ^2/NDF : 1823.8/33

Left Out: -46.392 ± 0.187 χ^2/NDF : 3286.7/23

Right Out: -69.531 ± 0.307 χ^2/NDF : 3775.6/35

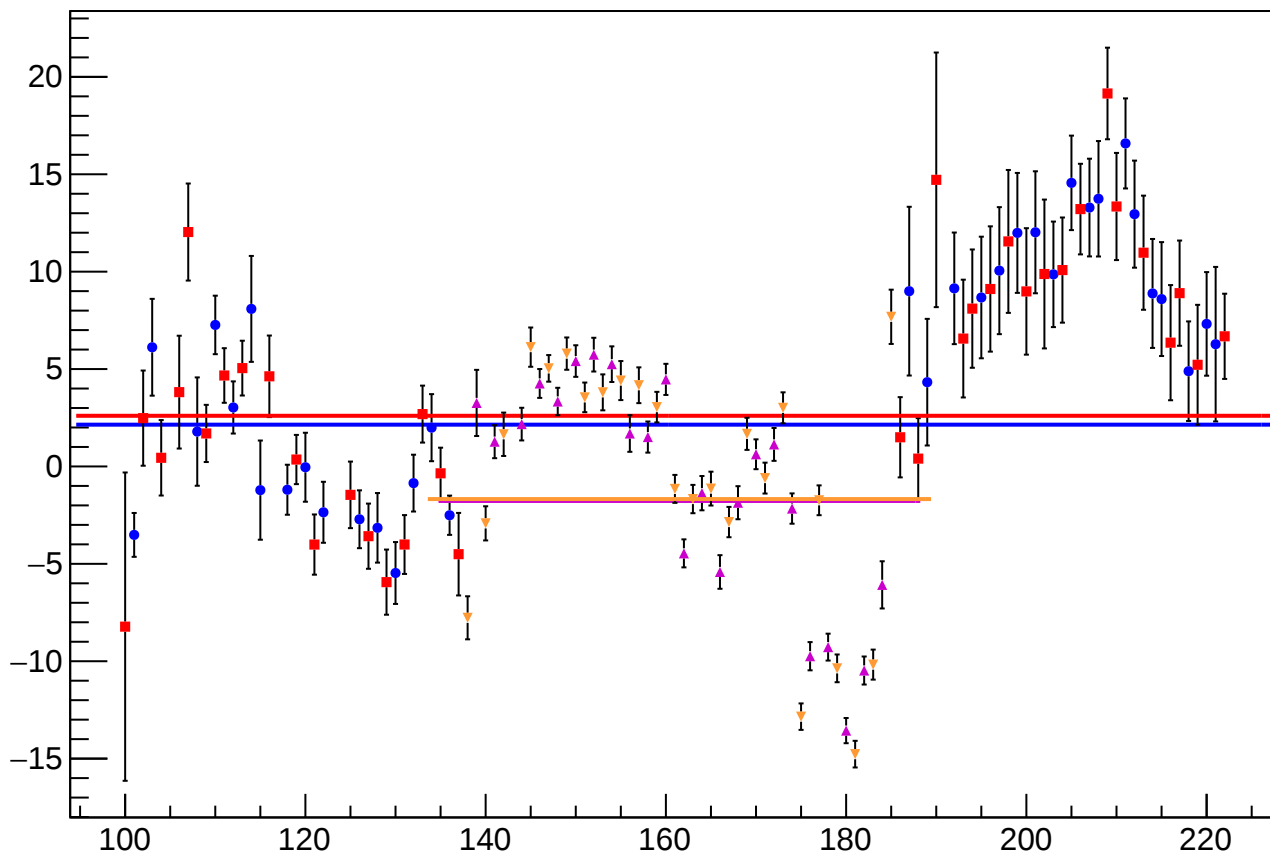
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -50.764 ± 0.162 χ^2/NDF : 7347.0/57

All: -51.992 ± 0.114 χ^2/NDF : 17626.6/116

- sign -53.188 ± 0.160 χ^2/NDF : 10166.2/58

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 2.145 ± 0.336 χ^2/NDF : 310.8/33

Left Out: -1.675 ± 0.167 χ^2/NDF : 1483.8/23

Right Out: 2.601 ± 0.341 χ^2/NDF : 266.4/35

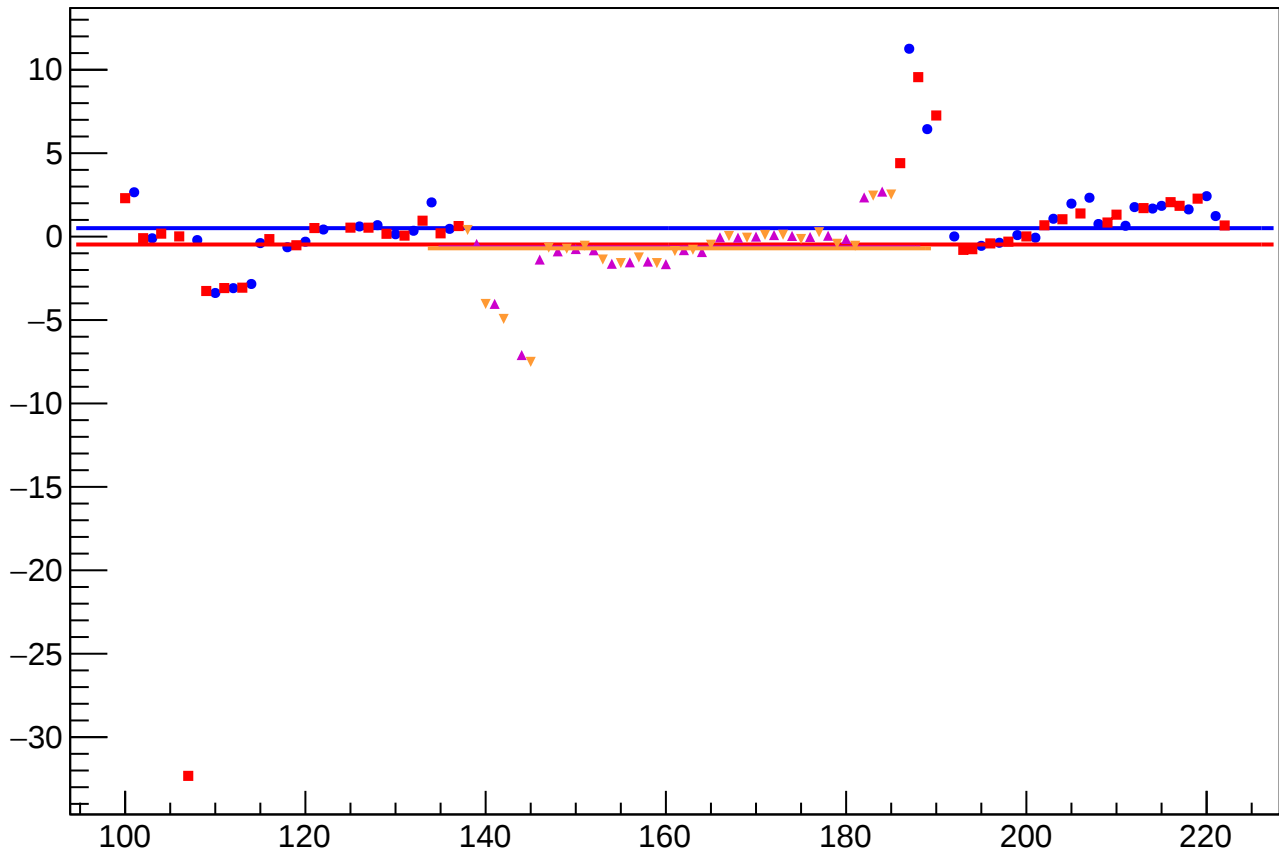
Left In: -1.771 ± 0.169 χ^2/NDF : 1251.3/22

+ sign -0.920 ± 0.150 χ^2/NDF : 1898.1/57

All: -0.915 ± 0.106 χ^2/NDF : 3547.8/116

- sign -0.909 ± 0.151 χ^2/NDF : 1649.8/58

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.507 ± 0.017 χ^2/NDF : 10439.1/33

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.473 ± 0.017 χ^2/NDF : 94802.3/35

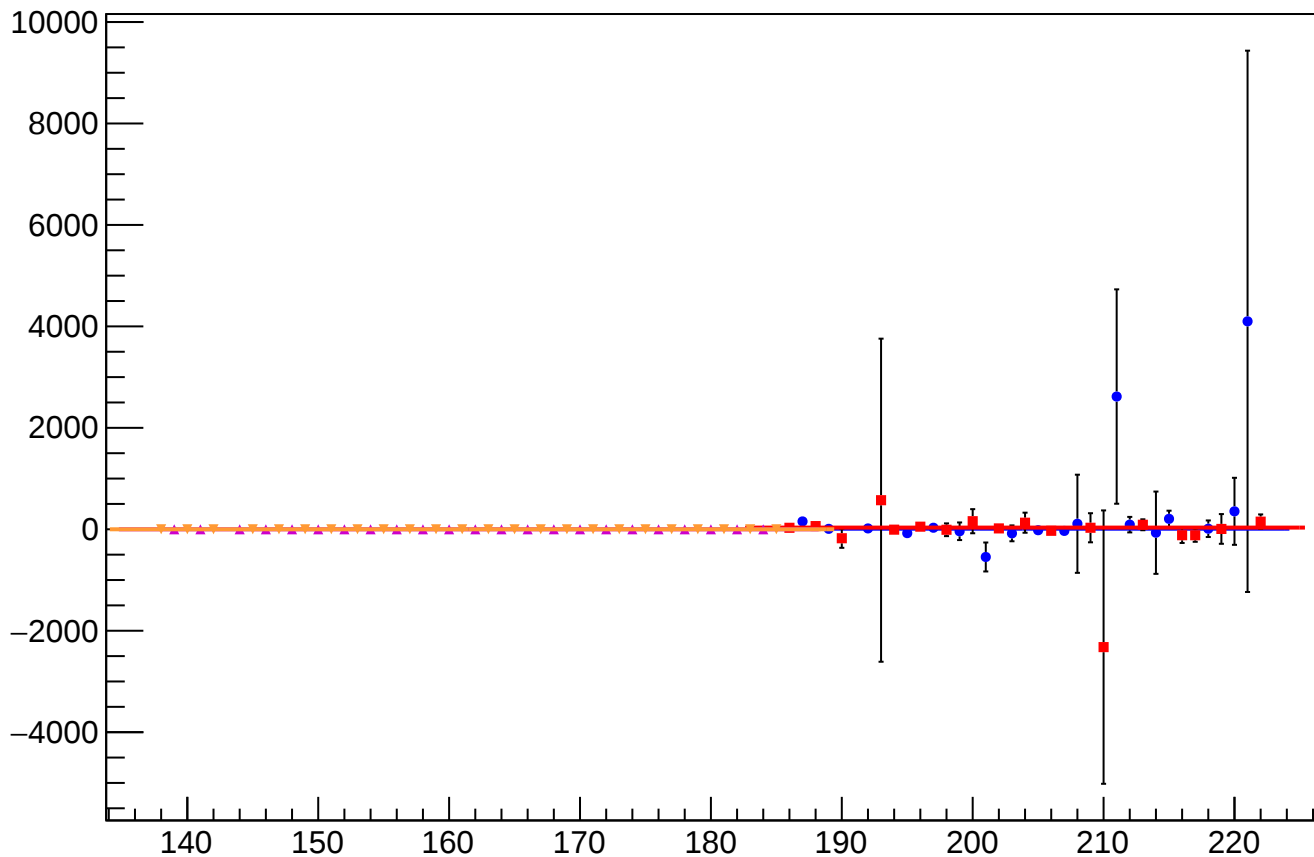
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.498 ± 0.007 χ^2/NDF : 68485.9/57

All: -0.556 ± 0.005 χ^2/NDF : 207681.5/116

- sign -0.615 ± 0.007 χ^2/NDF : 139055.3/58

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 11.863+/-15.003 χ^2/NDF : 23.5/17

Left Out: -0.037+/-0.018 χ^2/NDF : 35.4/23

Right Out: 33.471+/-9.560 χ^2/NDF : 10.6/17

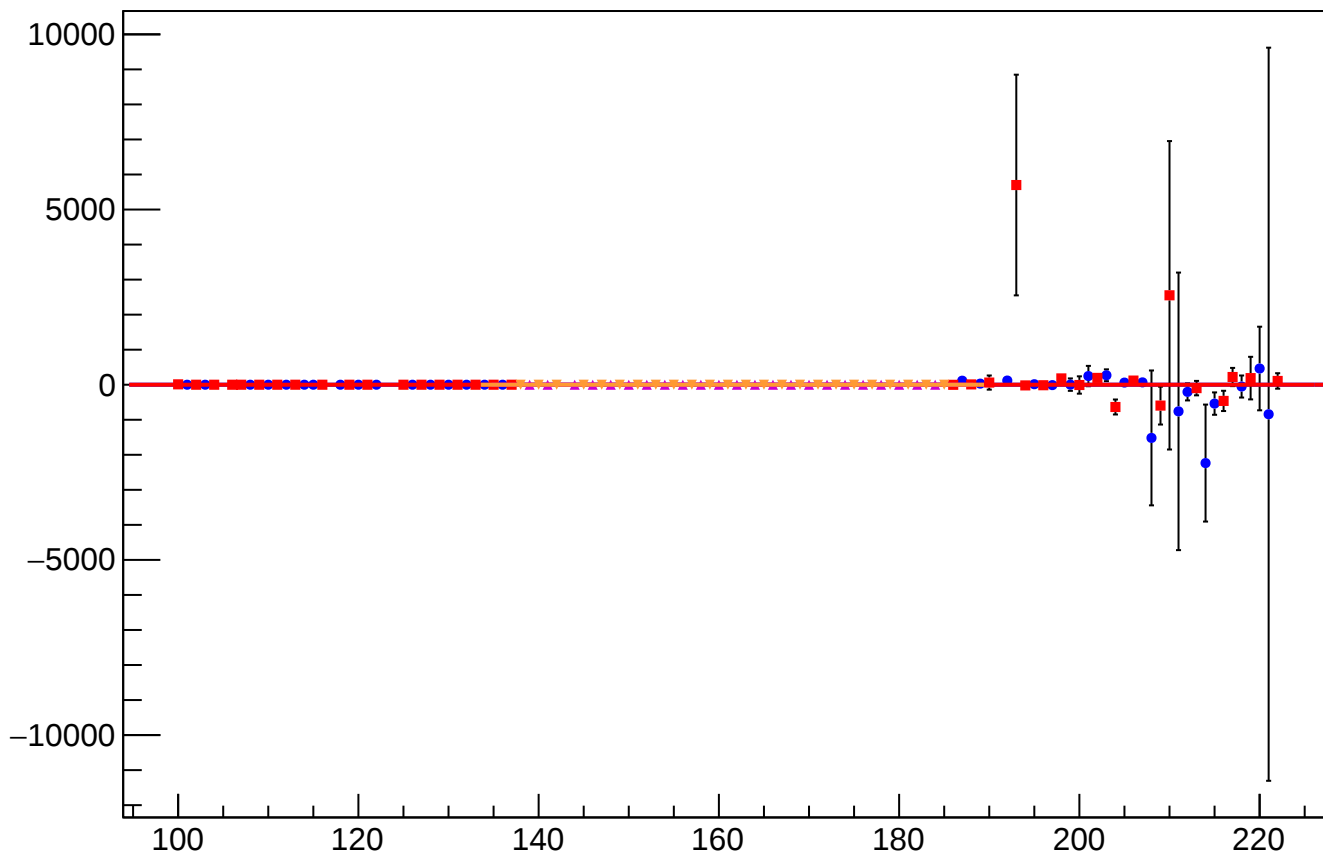
Left In: -0.010+/-0.018 χ^2/NDF : 35.1/22

+ sign -0.037+/-0.018 χ^2/NDF : 59.6/41

All: -0.024+/-0.013 χ^2/NDF : 118.7/82

- sign -0.010+/-0.018 χ^2/NDF : 58.0/40

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 29.7/33

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 40.2/35

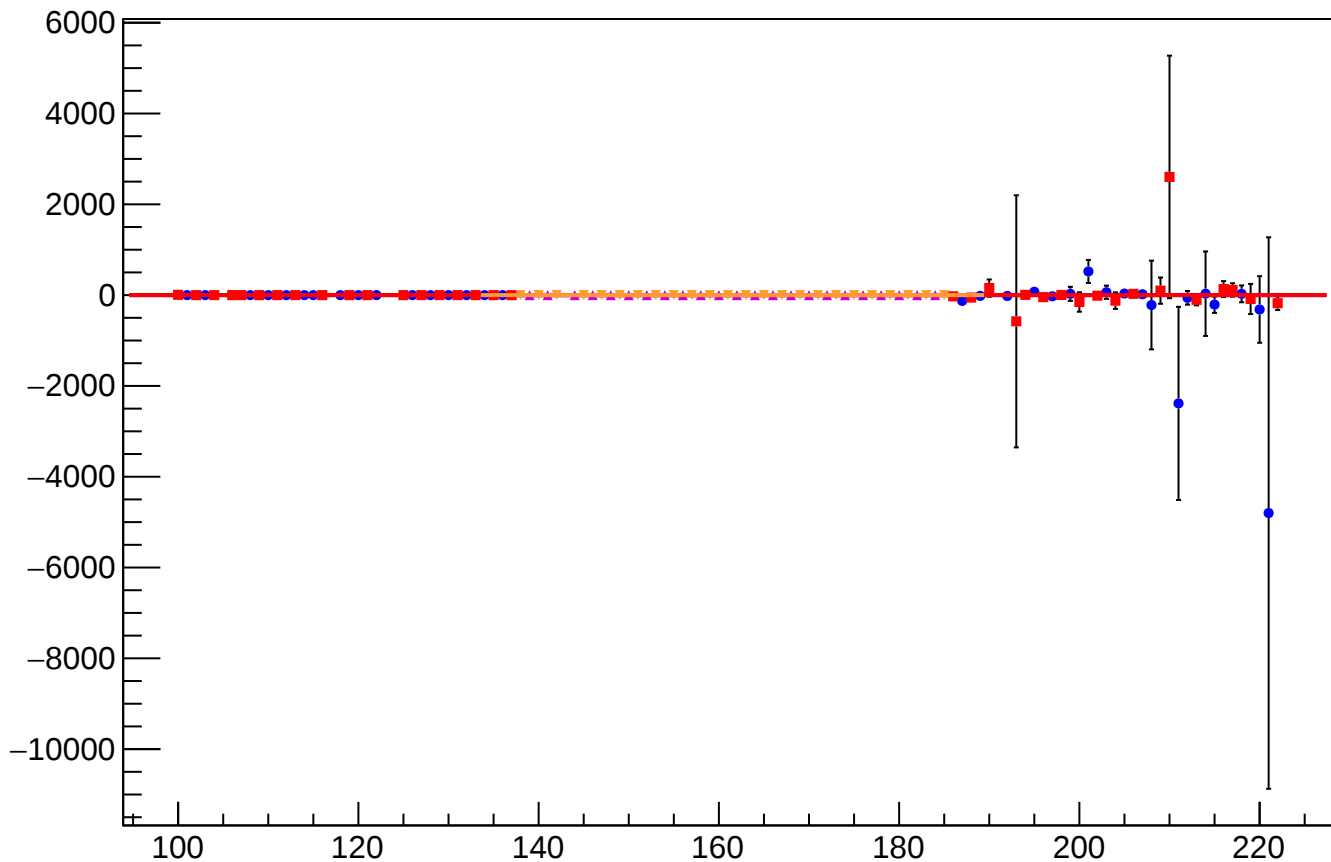
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 62.2/57

All: -0.063 ± 0.009 χ^2/NDF : 144.7/116

- sign -0.070 ± 0.012 χ^2/NDF : 81.9/58

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016+/-0.043 χ^2/NDF : 33.8/33

Left Out: 0.035+/-0.018 χ^2/NDF : 32.2/23

Right Out: 0.031+/-0.045 χ^2/NDF : 35.1/35

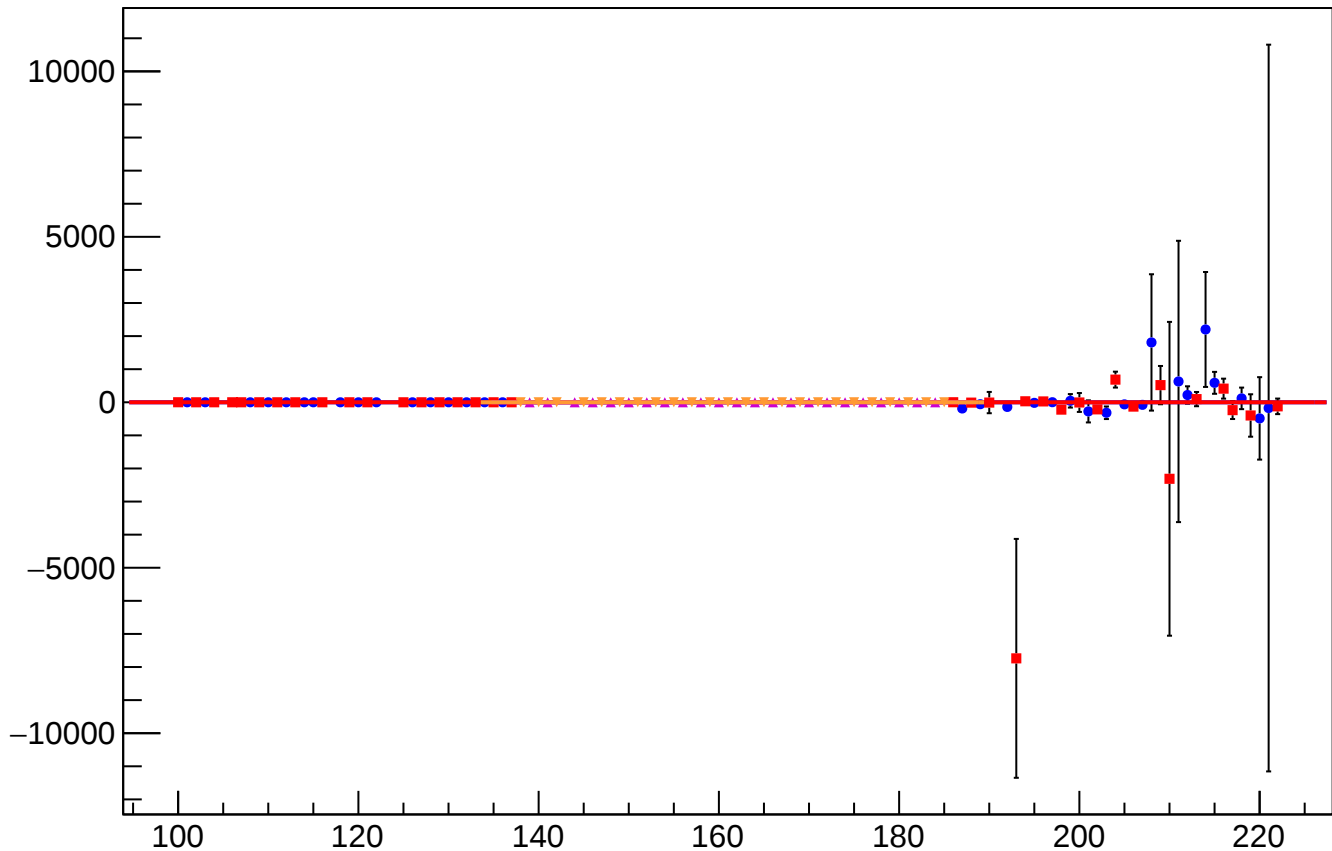
Left In: -0.009+/-0.018 χ^2/NDF : 36.8/22

+ sign 0.032+/-0.017 χ^2/NDF : 66.1/57

All: 0.015+/-0.012 χ^2/NDF : 141.0/116

- sign -0.003+/-0.017 χ^2/NDF : 72.6/58

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 31.2/33

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF: 27.7/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 35.3/35

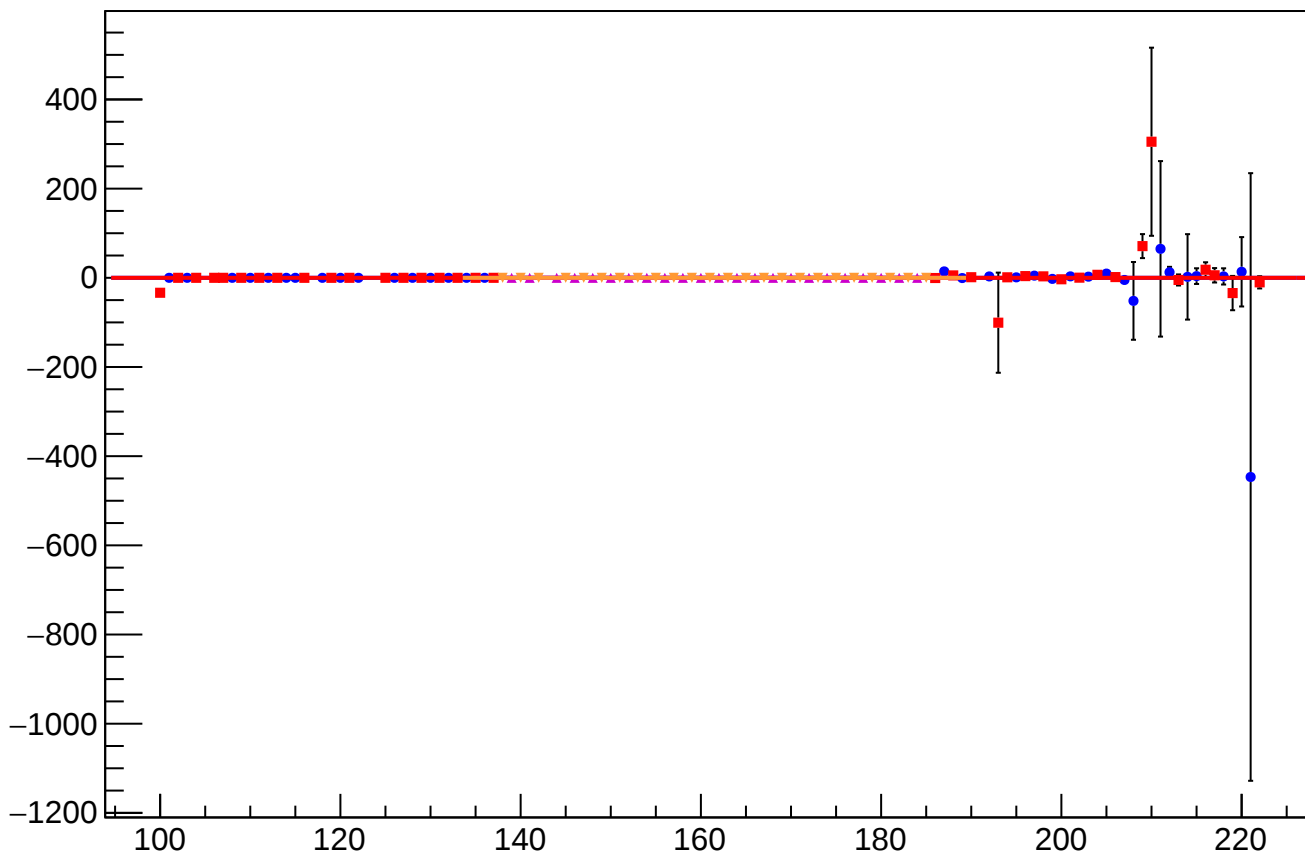
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF: 44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2 /NDF: 65.0/57

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 146.7/116

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 81.3/58

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 48.3/33

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26533.4/35

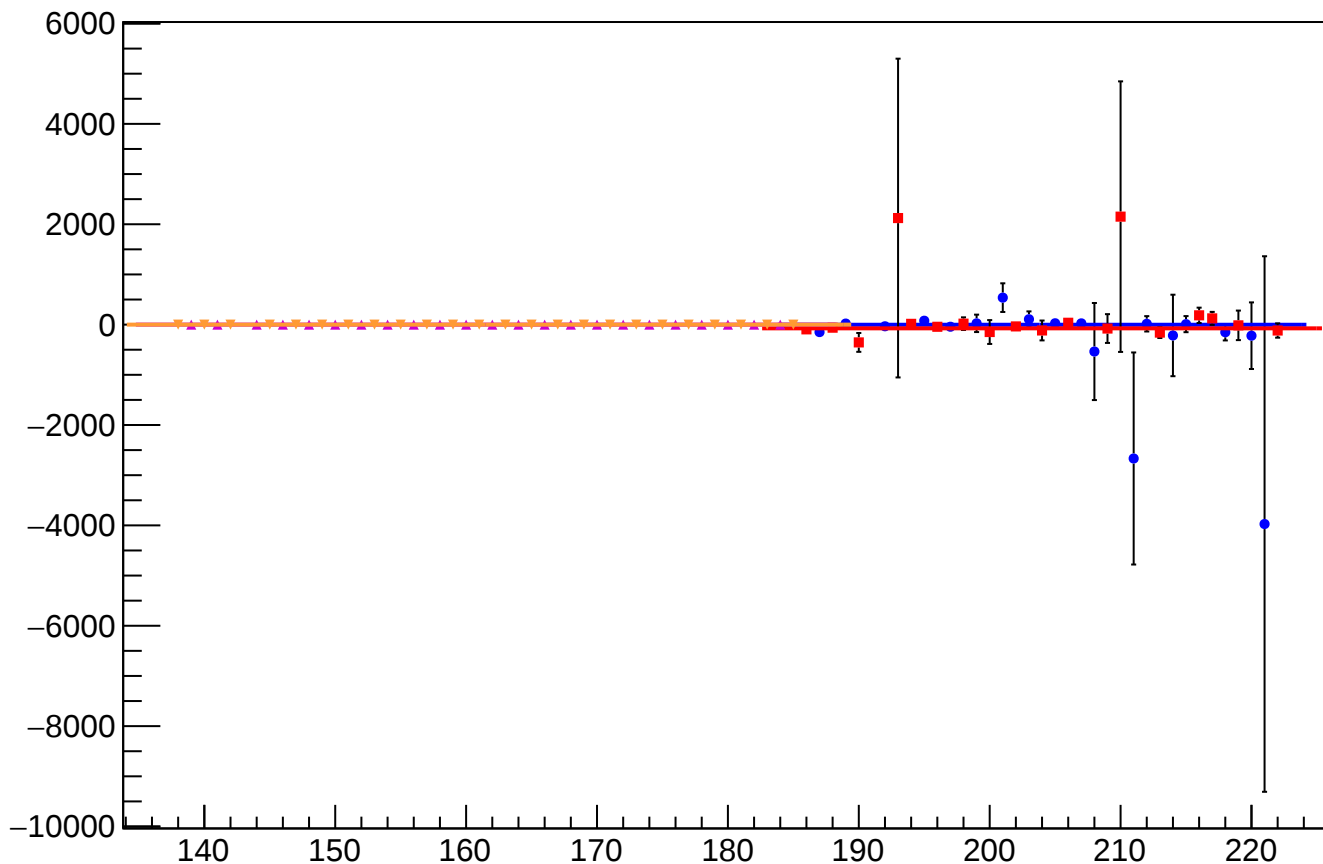
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 84.7/57

All: -0.001 ± 0.000 χ^2/NDF : 26654.5/116

- sign -0.001 ± 0.001 χ^2/NDF : 26569.6/58

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -2.575 ± 14.998 χ^2/NDF : 23.3/17

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -74.196 ± 9.562 χ^2/NDF : 22.0/17

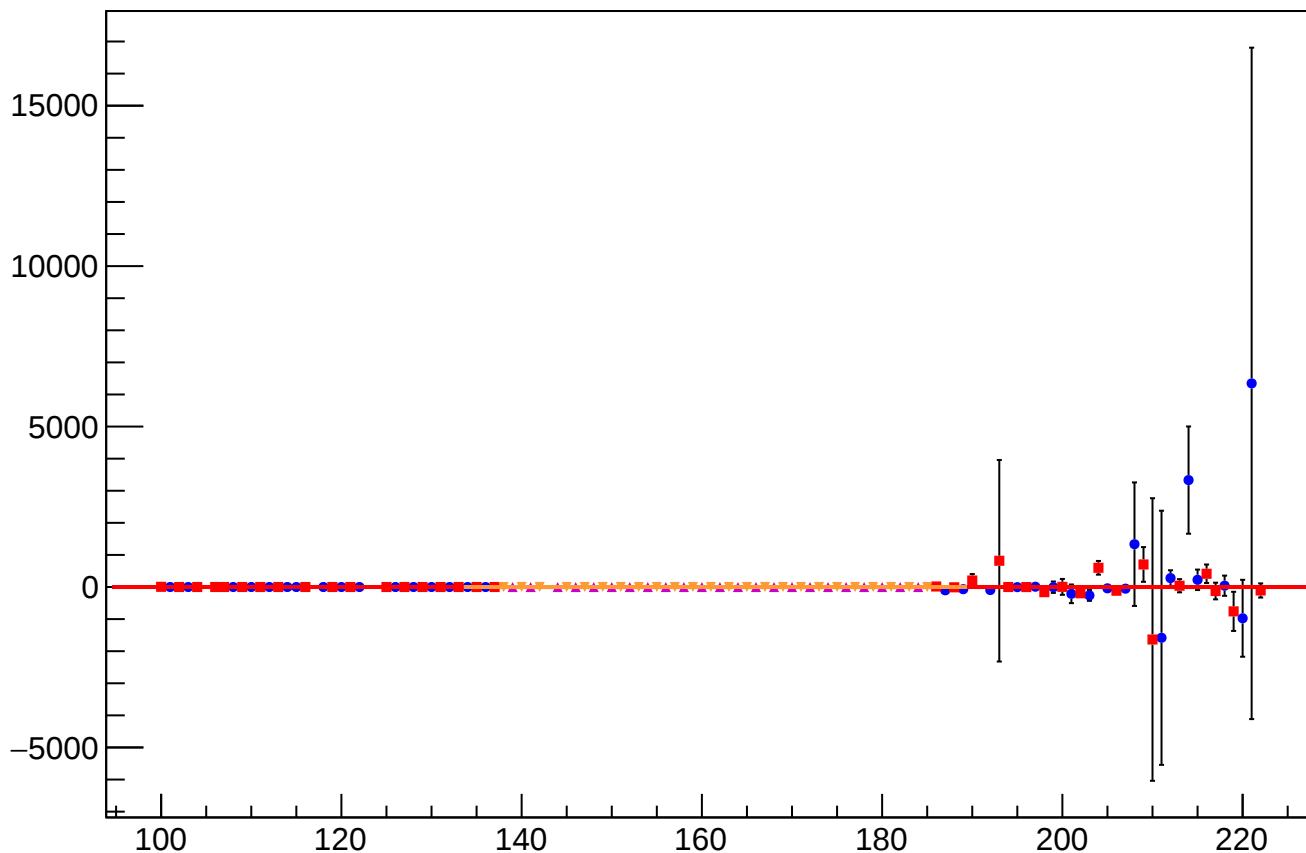
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 60.7/41

All: -0.031 ± 0.013 χ^2/NDF : 180.9/82

- sign -0.009 ± 0.018 χ^2/NDF : 117.3/40

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.007 ± 0.023 $\chi^2/\text{NDF}: 44.7/33$

Left Out: -0.011 ± 0.014 $\chi^2/\text{NDF}: 29.6/23$

Right Out: 0.037 ± 0.025 $\chi^2/\text{NDF}: 53.6/35$

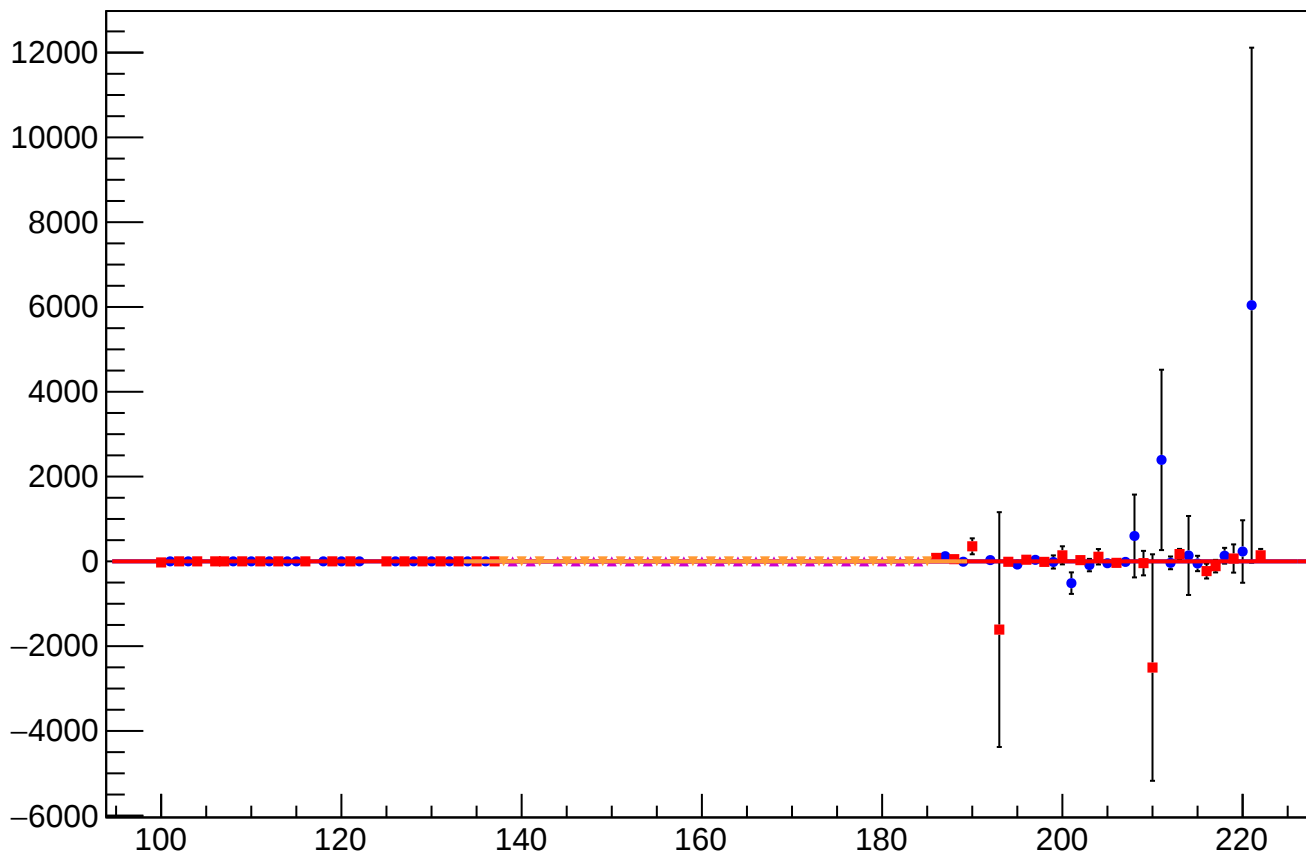
Left In: 0.005 ± 0.014 $\chi^2/\text{NDF}: 49.6/22$

+ sign -0.006 ± 0.012 $\chi^2/\text{NDF}: 74.8/57$

All: 0.003 ± 0.009 $\chi^2/\text{NDF}: 180.4/116$

- sign 0.013 ± 0.012 $\chi^2/\text{NDF}: 104.4/58$

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 53.6/33

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 114.8/35

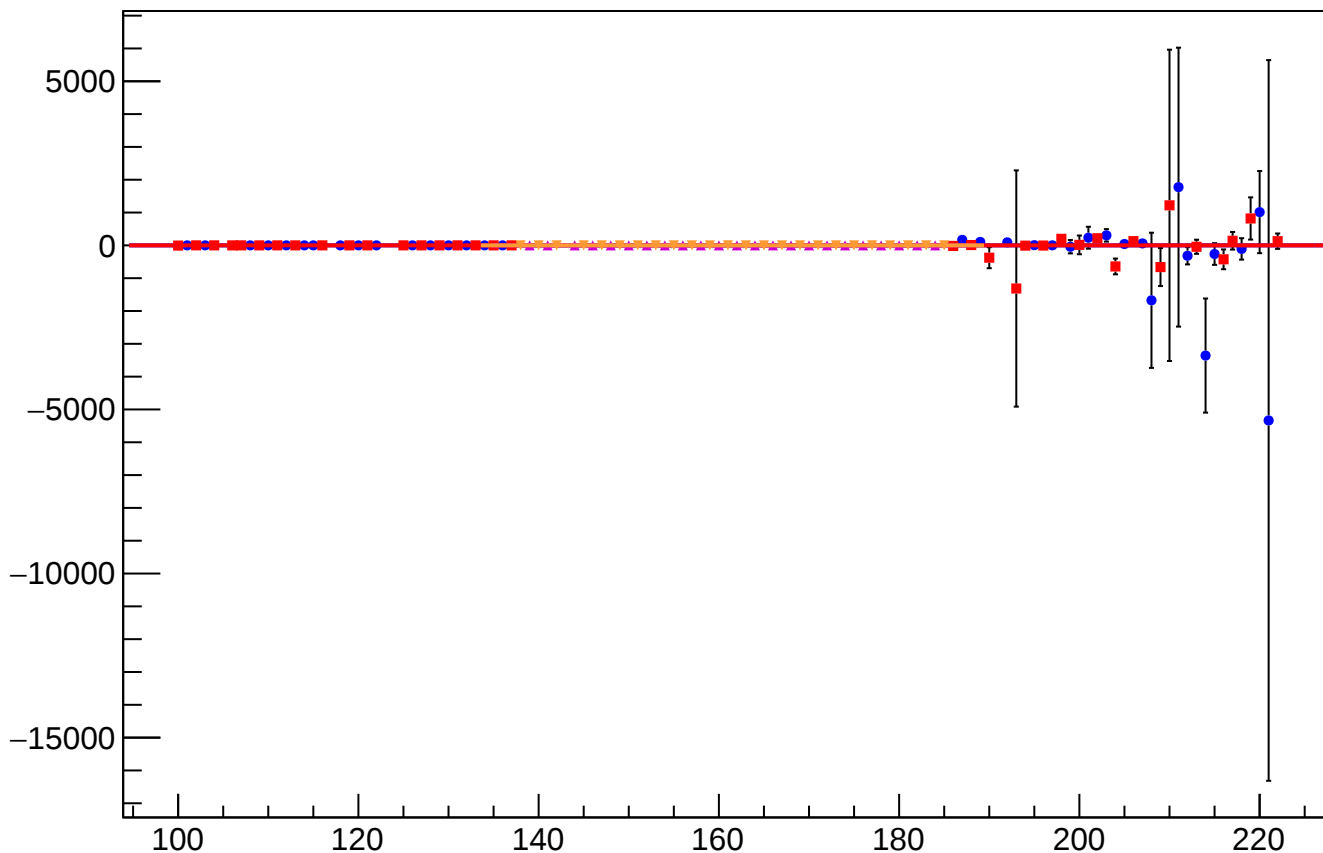
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF:35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2 /NDF: 94.4/57

All: 0.054 $\pm$ 0.012 χ^2 /NDF: 259.1/116

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 164.0/58

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 44.5/33

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 50.2/35

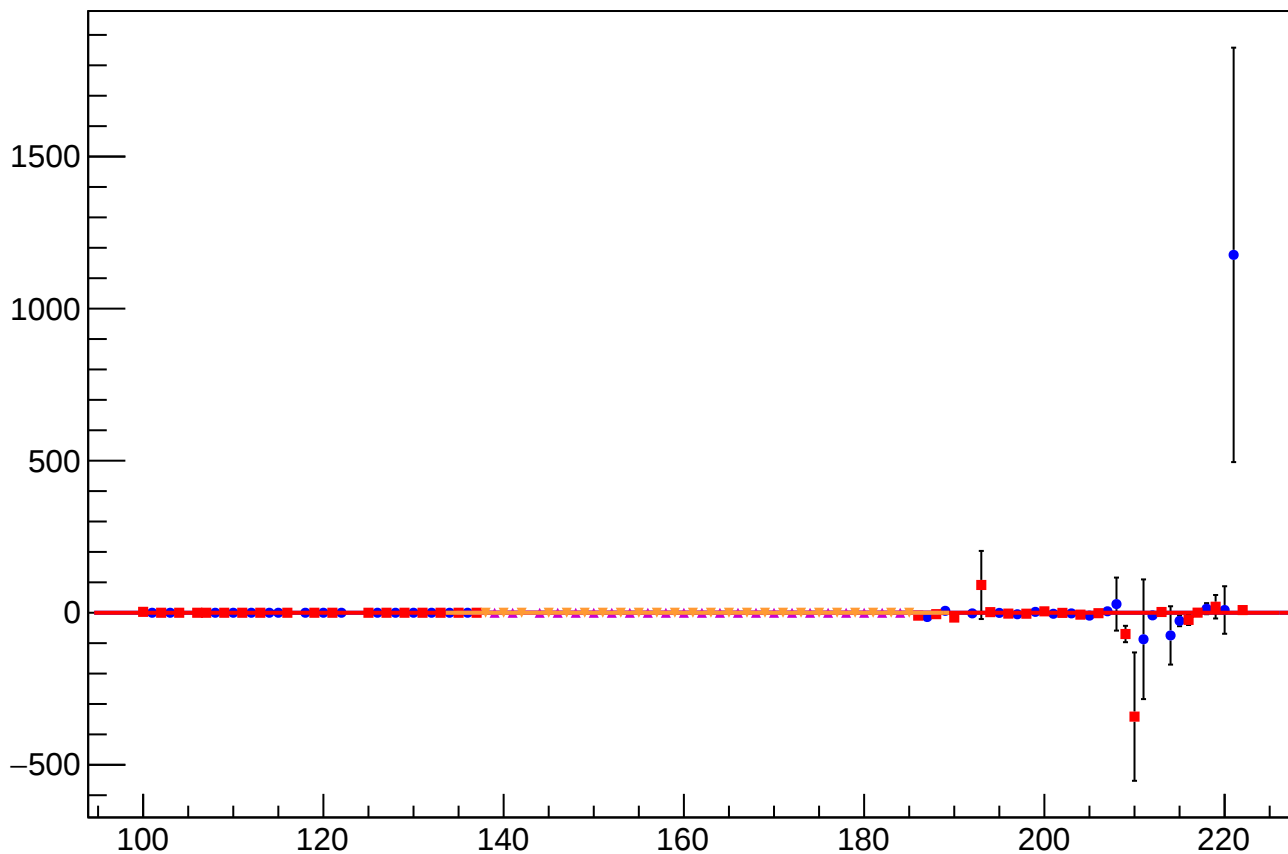
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 78.8/57

All: 0.004 ± 0.010 χ^2/NDF : 182.7/116

- sign -0.007 ± 0.014 χ^2/NDF : 102.9/58

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006+/-0.001 χ^2/NDF : 64.9/33

Left Out: -0.008 ± 0.001 $\chi^2/\text{NDF}: 32.0/23$

Right Out: -0.006 ± 0.001 χ^2/NDF : 226.9/35

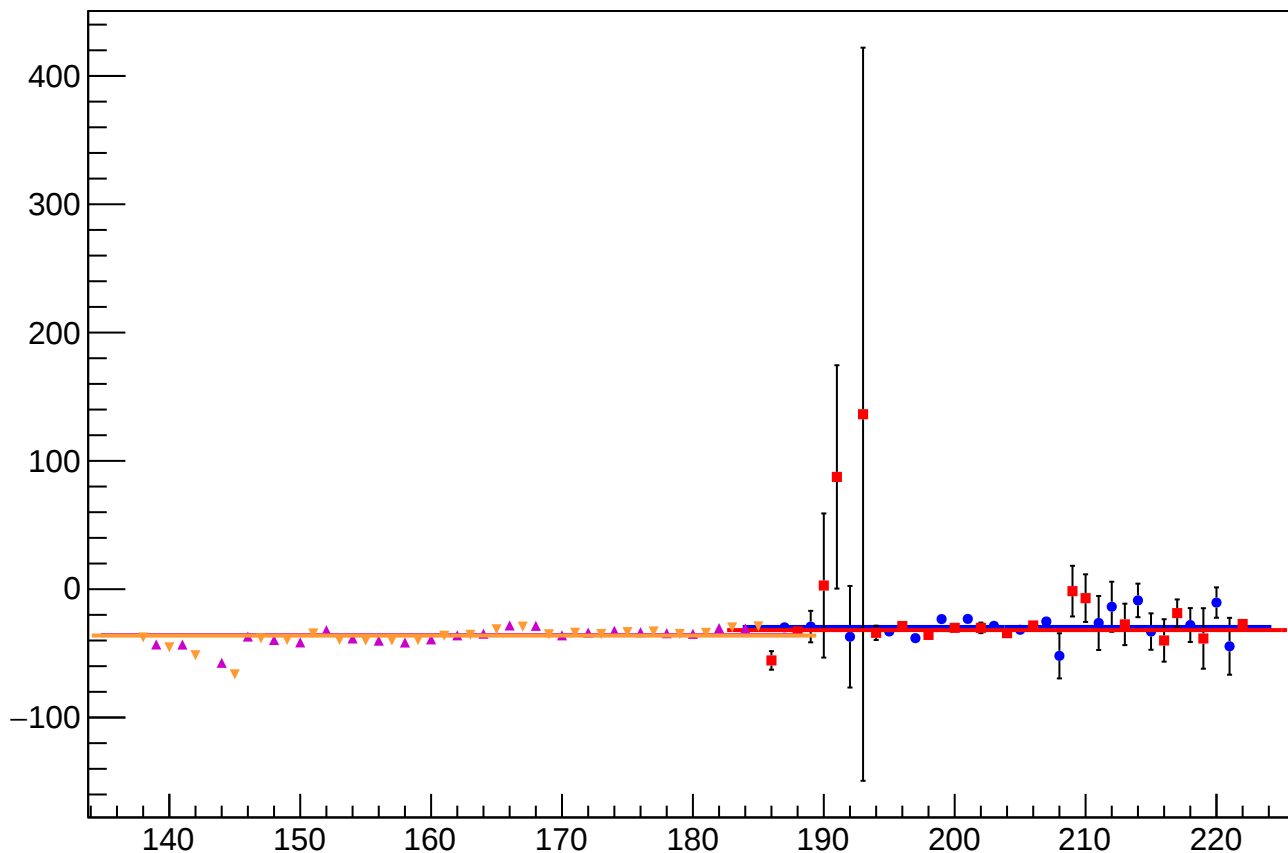
Left In: -0.009+/-0.001 χ^2/NDF :37.2/22

+ sign -0.008 ± 0.001 $\chi^2/\text{NDF}: 98.5/57$

All: -0.008 ± 0.000 χ^2/NDF : 365.8/116

- sign -0.008 ± 0.001 χ^2/NDF : 267.1/58

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.433 ± 0.849 χ^2/NDF : 32.0/17

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -31.882 ± 0.785 χ^2/NDF : 28.6/18

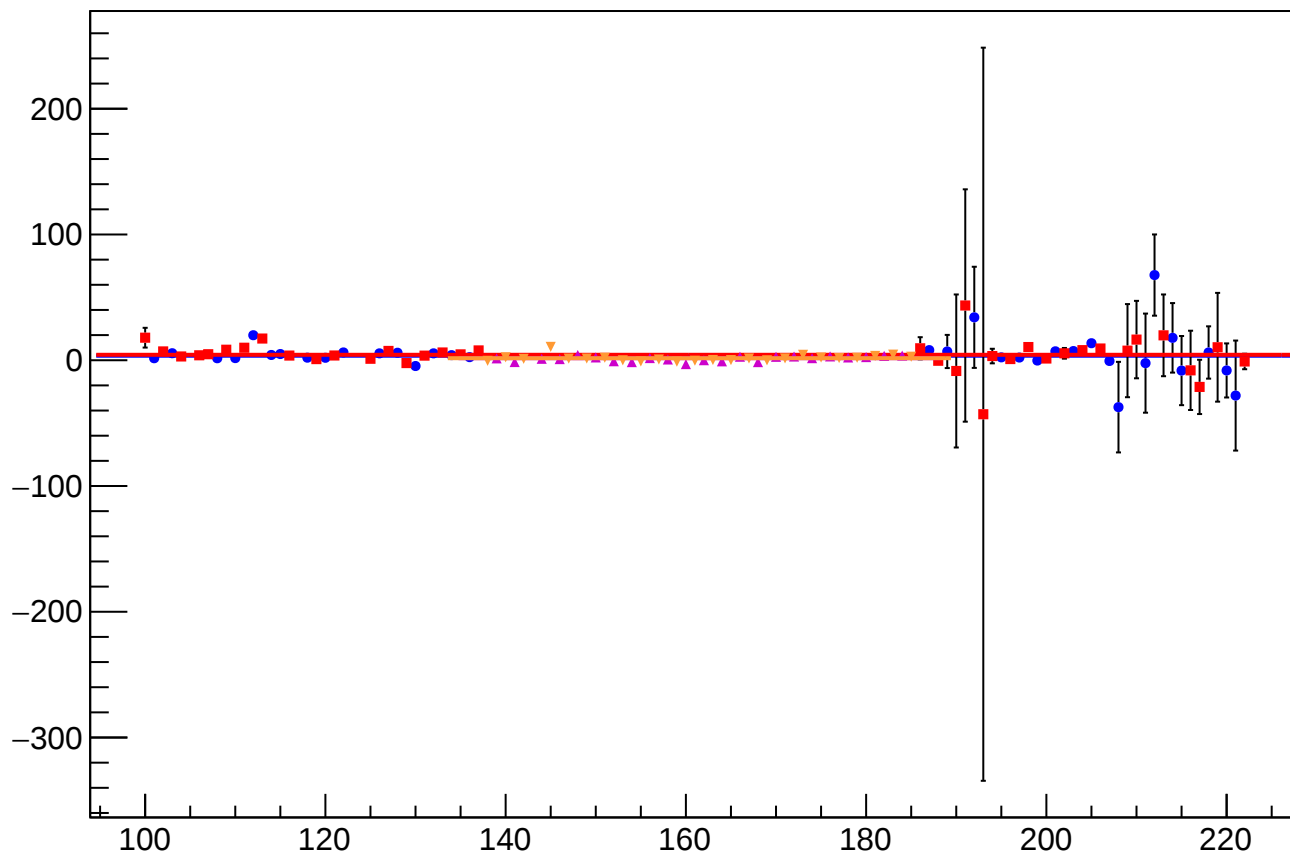
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.795 ± 0.187 χ^2/NDF : 1206.0/41

All: -35.677 ± 0.132 χ^2/NDF : 2112.8/83

- sign -35.561 ± 0.186 χ^2/NDF : 906.0/41

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.601 ± 0.217 χ^2/NDF : 463.4/33

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.340 ± 0.220 χ^2/NDF : 371.7/36

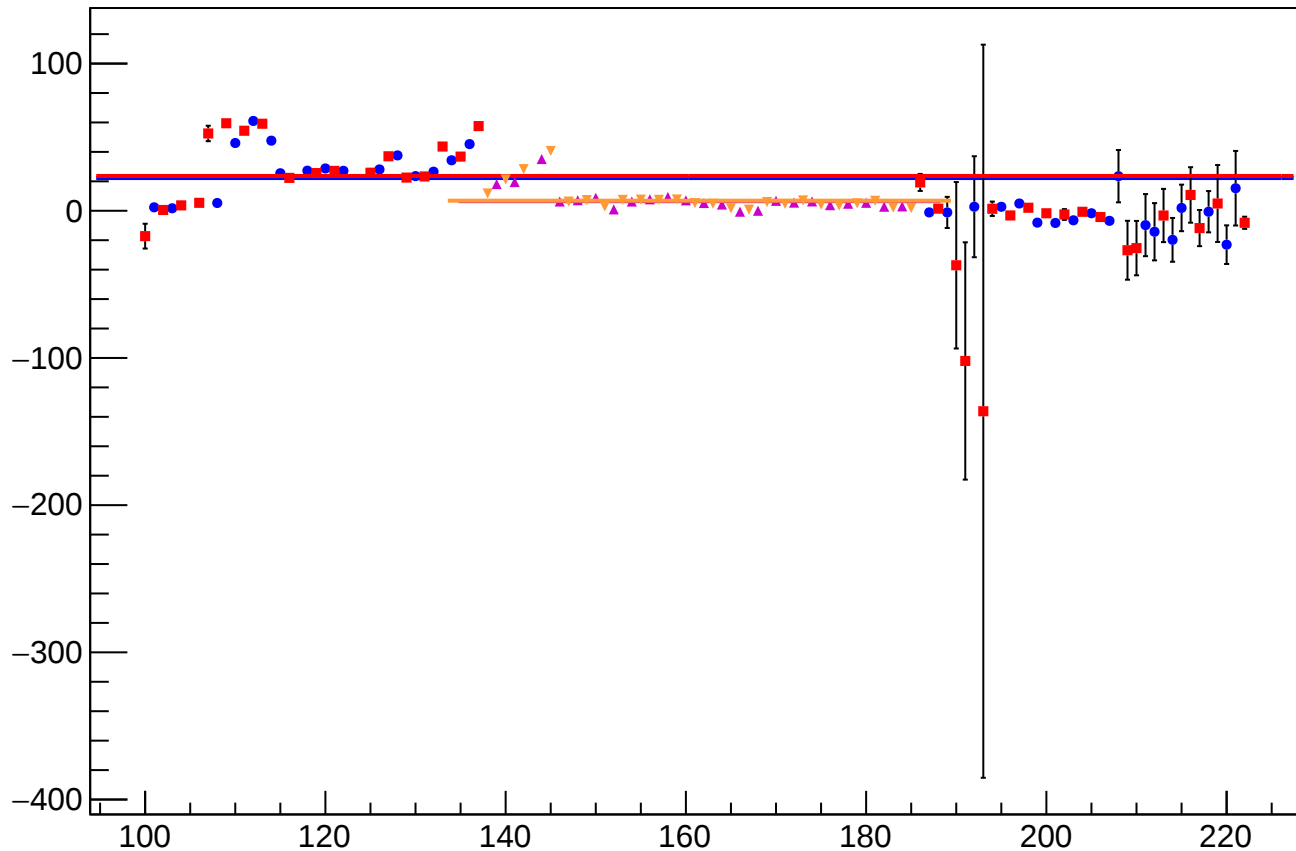
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.259 ± 0.122 χ^2/NDF : 686.2/57

All: 2.373 ± 0.087 χ^2/NDF : 1325.6/117

- sign 2.491 ± 0.124 χ^2/NDF : 637.6/59

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 22.235 ± 0.369 χ^2/NDF : 2836.2/33

Left Out: 6.866 ± 0.191 χ^2/NDF : 1295.7/23

Right Out: 23.653 ± 0.360 χ^2/NDF : 3368.6/36

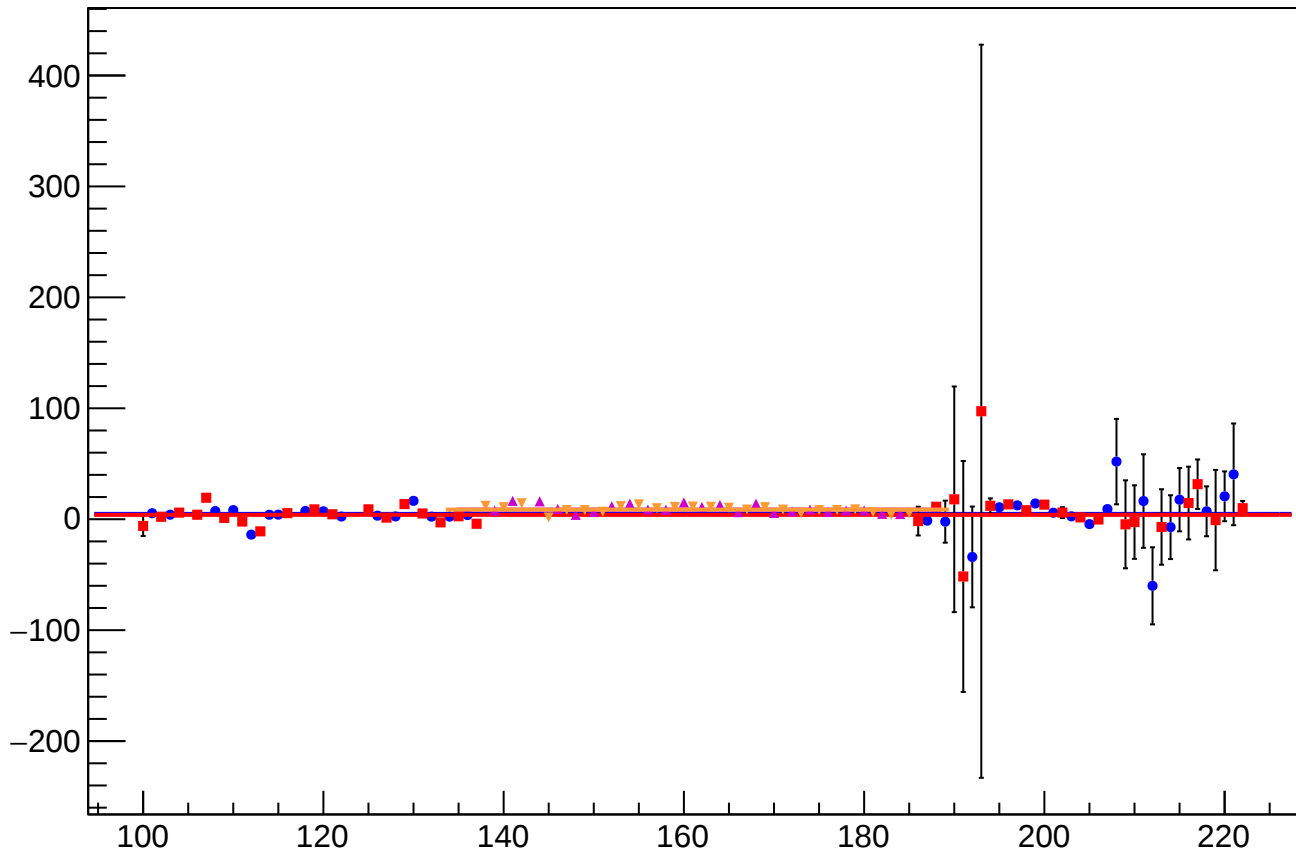
Left In: 6.537 ± 0.190 χ^2/NDF : 1025.1/22

+ sign 10.119 ± 0.170 χ^2/NDF : 5497.0/57

All: 10.199 ± 0.120 χ^2/NDF : 11657.4/117

- sign 10.277 ± 0.168 χ^2/NDF : 6160.0/59

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.808 ± 0.250 χ^2/NDF : 577.8/33

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.949 ± 0.254 χ^2/NDF : 591.8/36

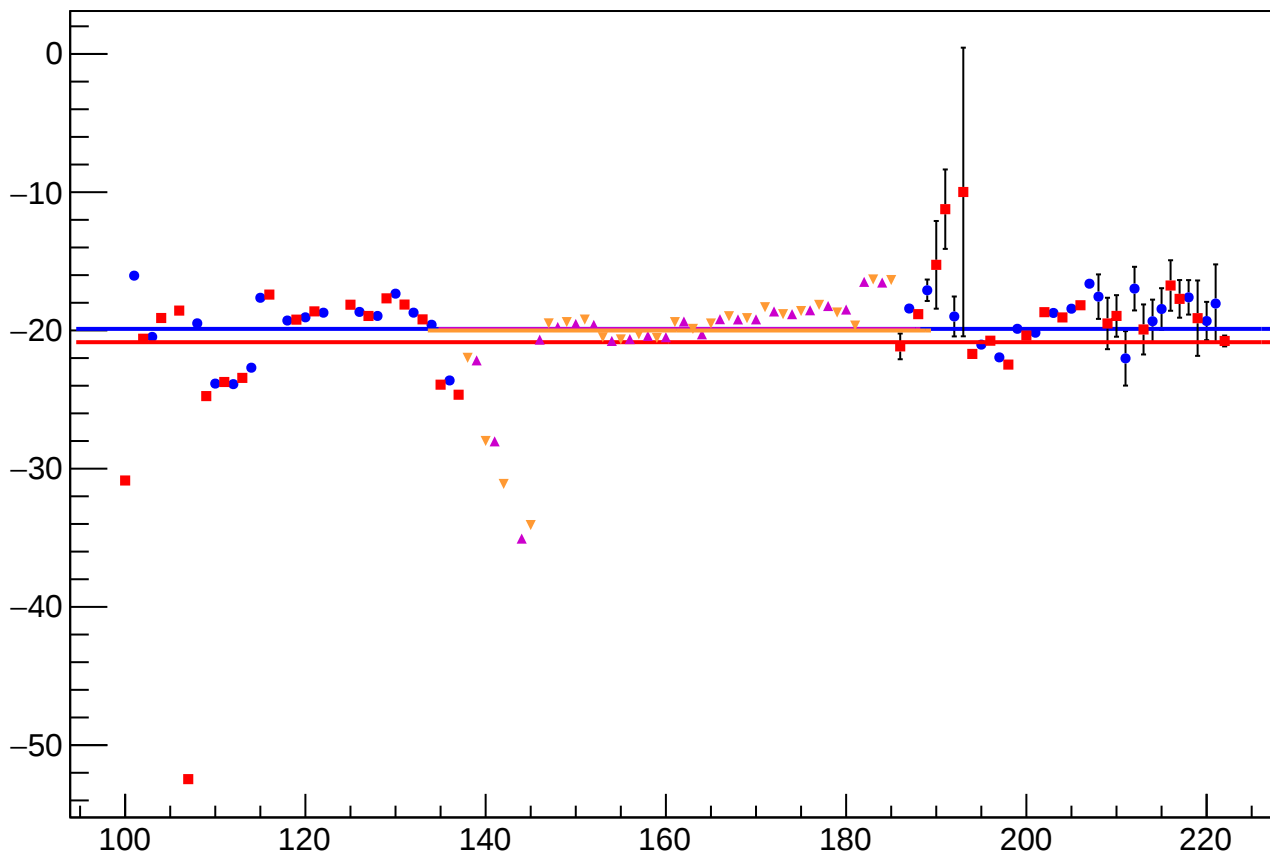
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.475 ± 0.140 χ^2/NDF : 984.7/57

All: 7.342 ± 0.099 χ^2/NDF : 2253.1/117

- sign 7.207 ± 0.141 χ^2/NDF : 1266.6/59

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.889 ± 0.015 χ^2/NDF : 27152.7/33

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.851 ± 0.015 χ^2/NDF : 95251.3/36

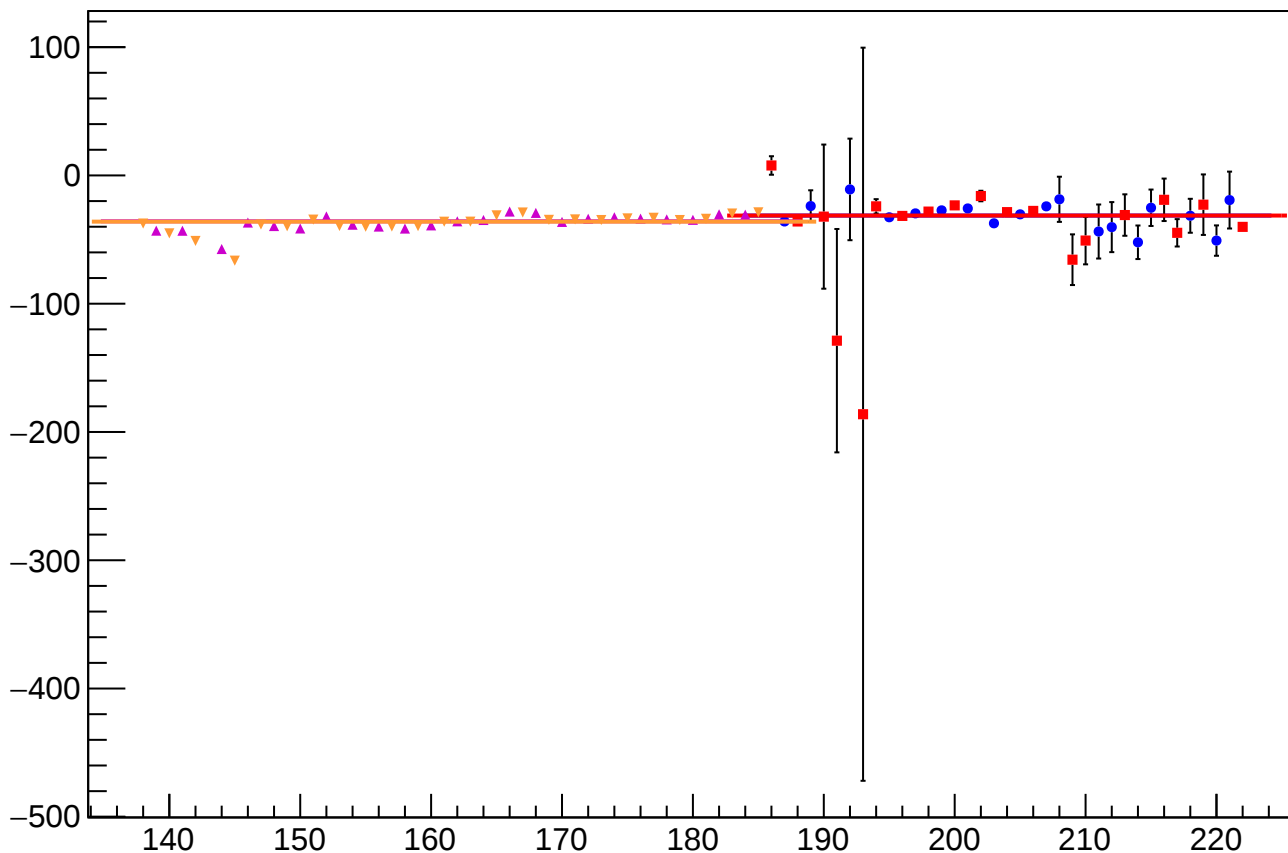
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.980 ± 0.007 χ^2/NDF : 198965.0/57

All: -20.042 ± 0.005 χ^2/NDF : 441762.5/117

- sign -20.104 ± 0.007 χ^2/NDF : 242637.6/59

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.282 ± 0.851 χ^2/NDF : 34.4/17

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -31.284 ± 0.787 χ^2/NDF : 84.1/18

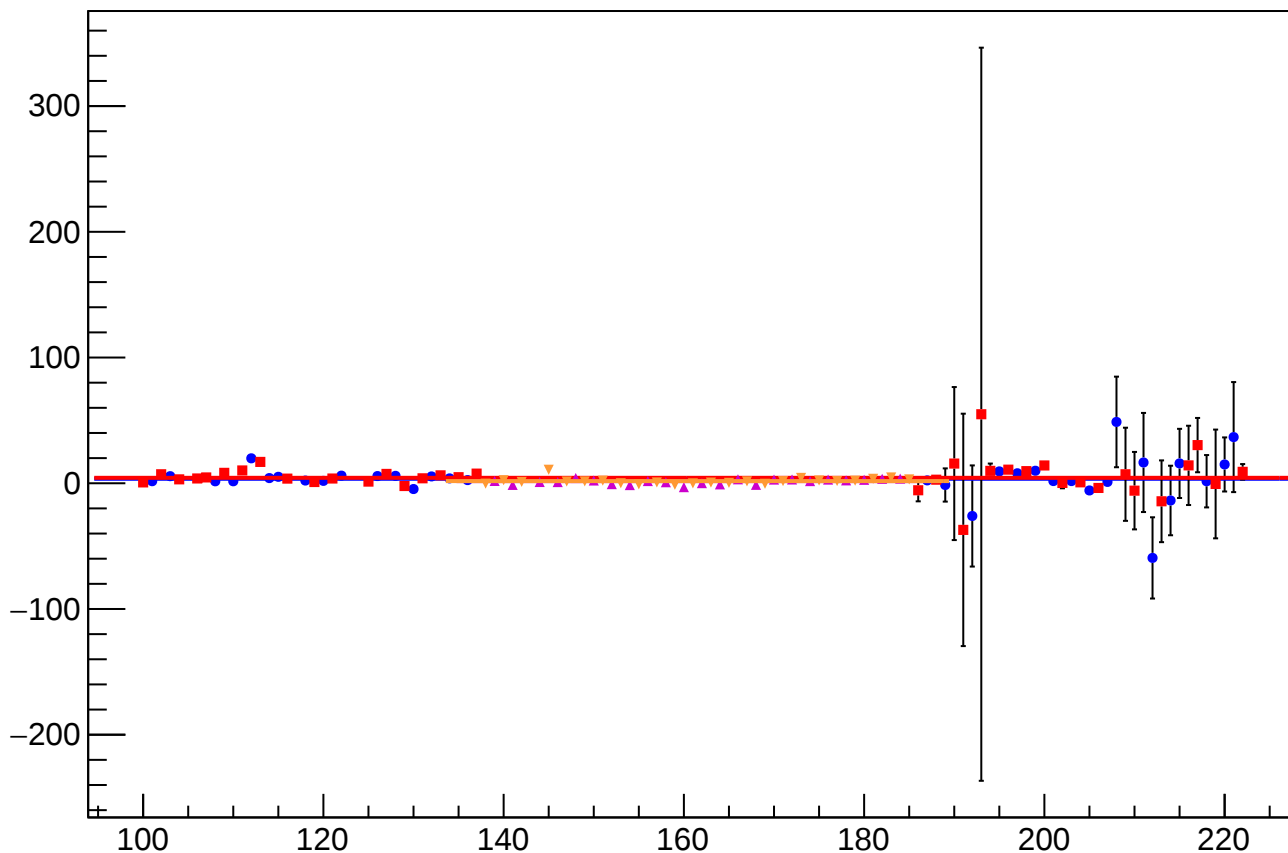
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.801 ± 0.187 χ^2/NDF : 1185.2/41

All: -35.658 ± 0.132 χ^2/NDF : 2143.7/83

- sign -35.517 ± 0.186 χ^2/NDF : 957.3/41

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.569 ± 0.217 χ^2/NDF : 462.9/33

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.329 ± 0.217 χ^2/NDF : 380.9/36

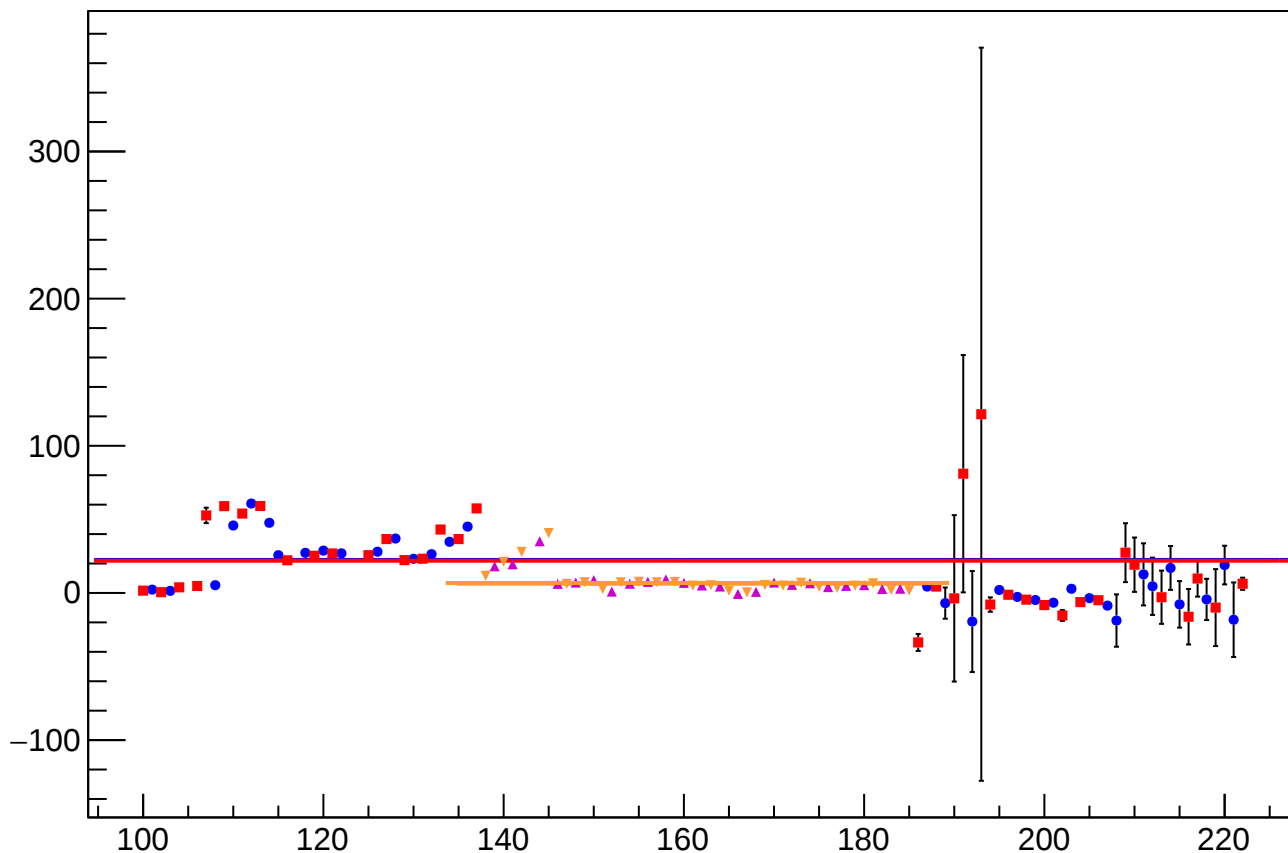
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.309 ± 0.122 χ^2/NDF : 680.6/57

All: 2.428 ± 0.087 χ^2/NDF : 1325.6/117

- sign 2.550 ± 0.123 χ^2/NDF : 643.1/59

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.434 $\pm$ 0.369 χ^2 /NDF: 2710.8/33

Left Out: 6.779 $\pm$ 0.191 χ^2 /NDF: 1297.7/23

Right Out: 21.914 $\pm$ 0.347 χ^2 /NDF: 3682.2/36

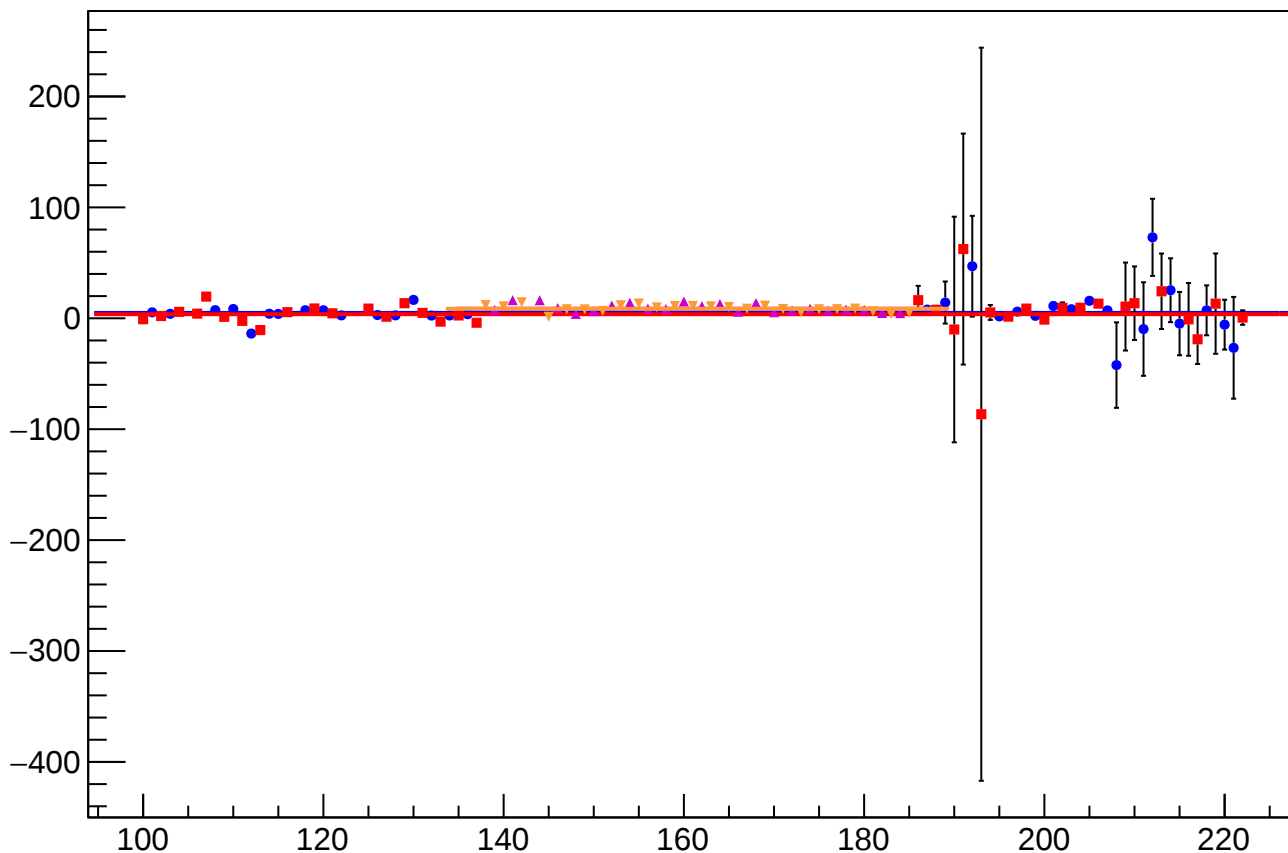
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.089 $\pm$ 0.170 χ^2 /NDF: 5424.7/57

All: 10.085 $\pm$ 0.119 χ^2 /NDF: 11633.0/117

- sign 10.081 $\pm$ 0.167 χ^2 /NDF: 6208.3/59

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.847 ± 0.250 χ^2/NDF : 565.7/33

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.692 ± 0.250 χ^2/NDF : 590.7/36

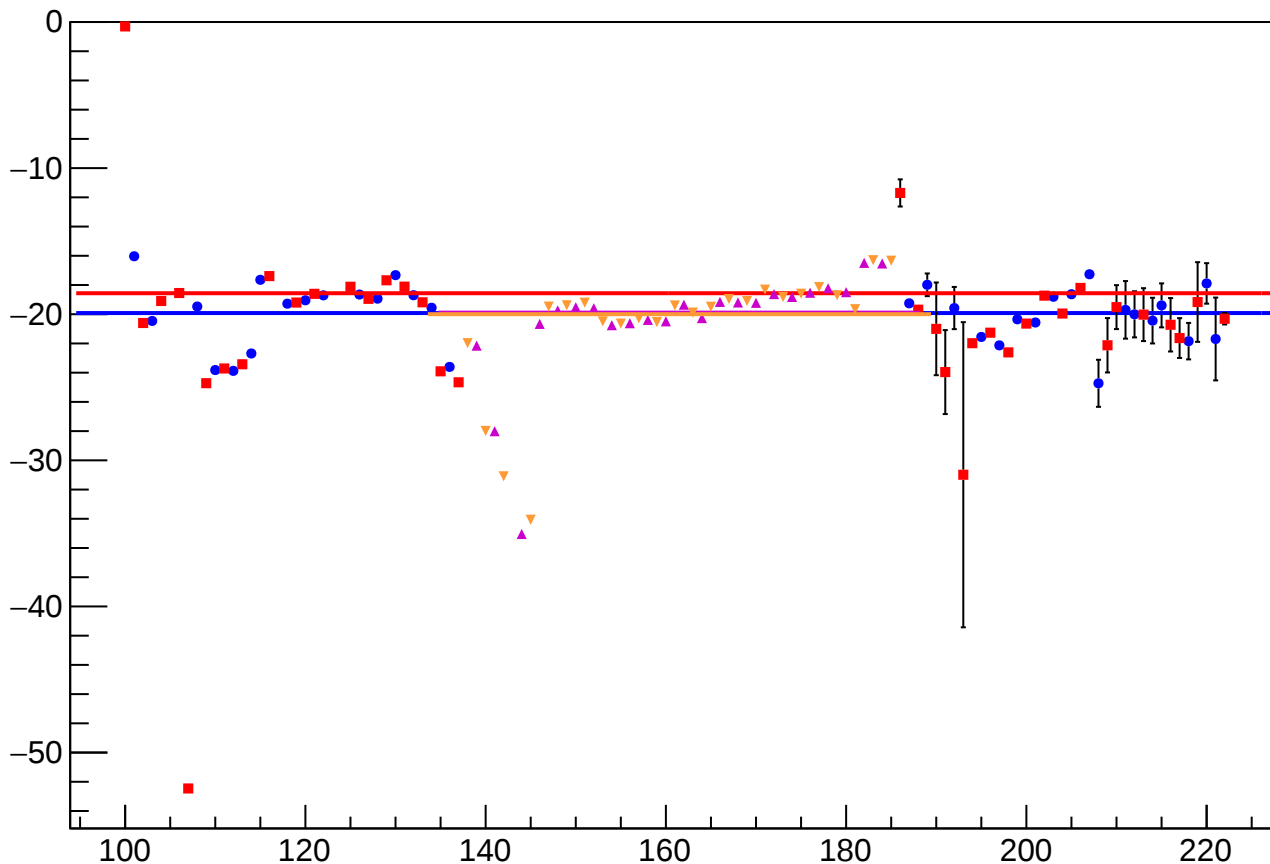
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.413 ± 0.140 χ^2/NDF : 964.9/57

All: 7.225 ± 0.099 χ^2/NDF : 2263.0/117

- sign 7.036 ± 0.141 χ^2/NDF : 1294.5/59

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.920 ± 0.015 $\chi^2/\text{NDF}: 27102.3/33$

Left Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 171944.6/23$

Right Out: -18.562 ± 0.014 $\chi^2/\text{NDF}: 303755.2/36$

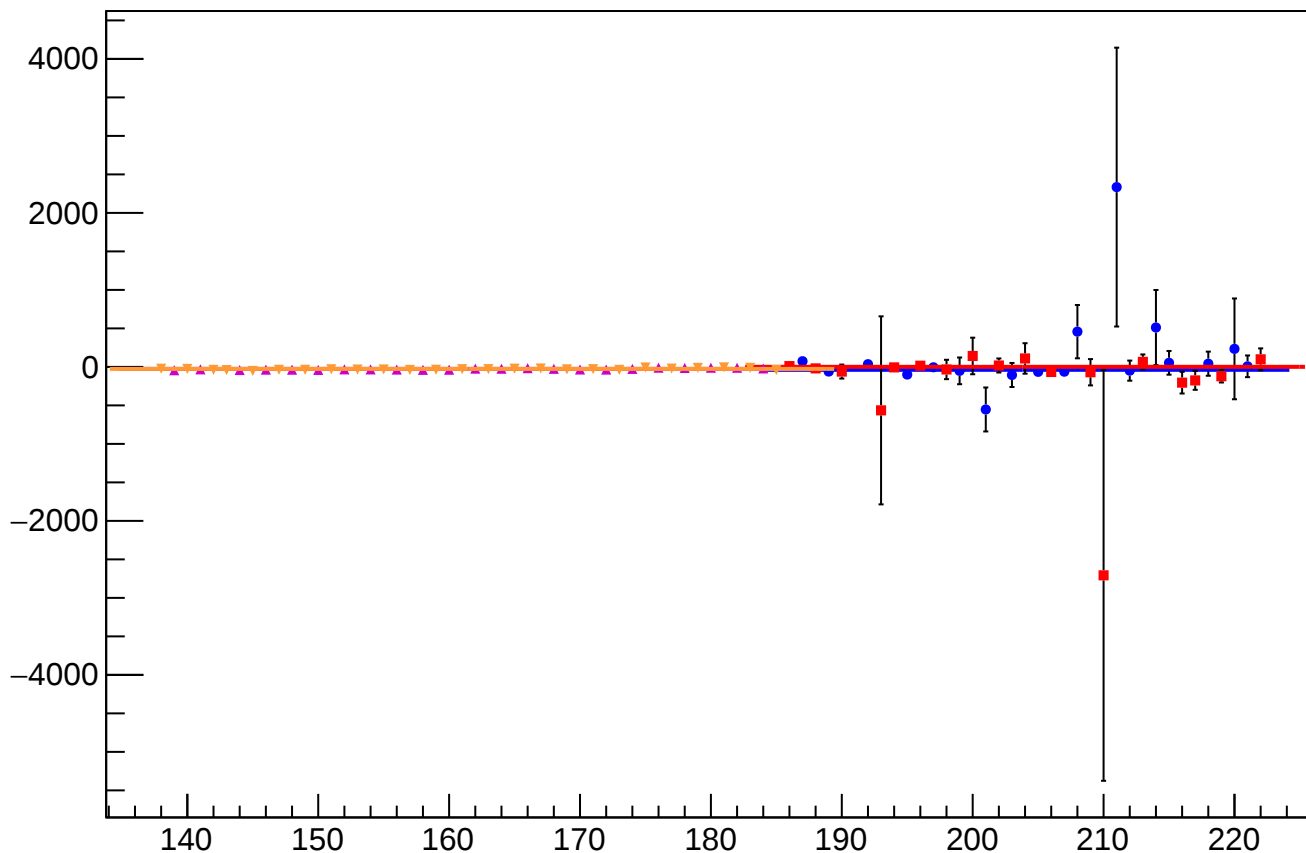
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.981 ± 0.007 $\chi^2/\text{NDF}: 199068.5/57$

All: -19.775 ± 0.005 $\chi^2/\text{NDF}: 655382.5/117$

- sign -19.576 ± 0.007 $\chi^2/\text{NDF}: 454599.7/59$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -37.889 ± 12.835 χ^2/NDF : 21.9/17

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 0.846 ± 7.999 χ^2/NDF : 14.3/17

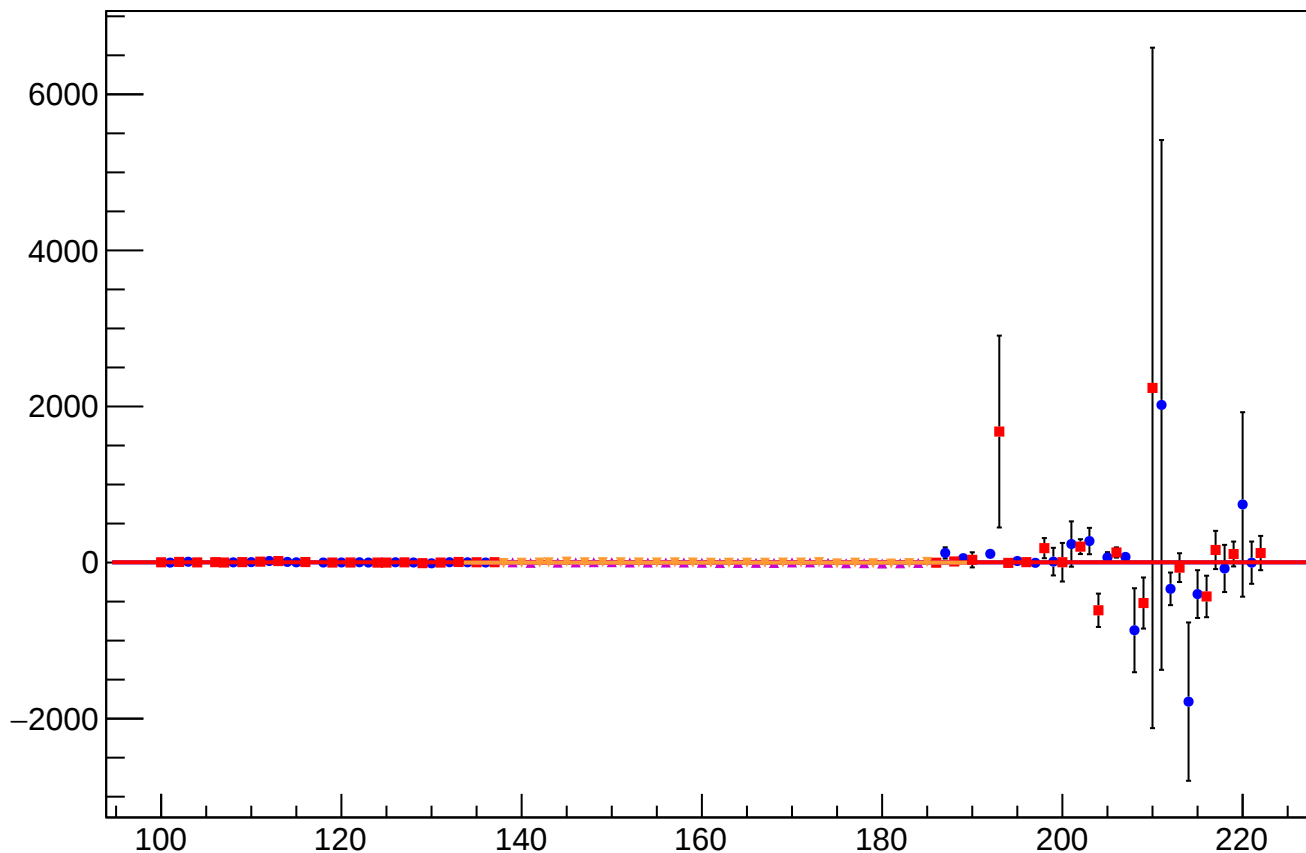
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.887 ± 0.192 χ^2/NDF : 4180.8/42

All: -25.960 ± 0.137 χ^2/NDF : 7486.2/83

- sign -26.036 ± 0.195 χ^2/NDF : 3305.1/40

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.475+/-0.315 χ^2/NDF : 324.5/34

Left Out: -0.654+/-0.146 χ^2/NDF : 1320.8/24

Right Out: 3.715+/-0.327 χ^2/NDF : 296.5/36

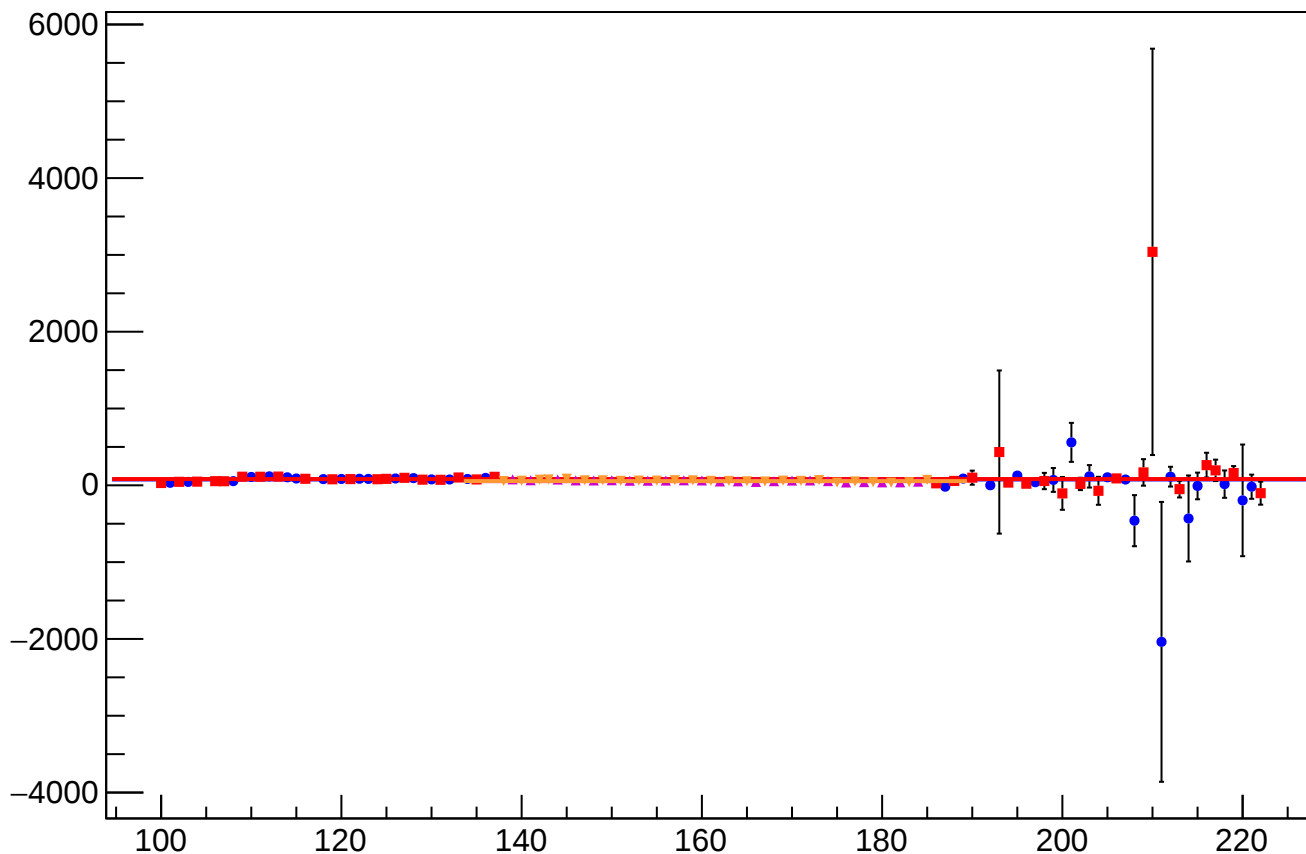
Left In: -0.863+/-0.150 χ^2/NDF : 1066.5/22

+ sign -0.099+/-0.133 χ^2/NDF : 1726.6/59

All: -0.081+/-0.095 χ^2/NDF : 3251.9/119

- sign -0.062+/-0.137 χ^2/NDF : 1525.2/59

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.529 $\pm$ 0.576 χ^2 /NDF: 2275.0/34

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.492 $\pm$ 0.590 χ^2 /NDF: 1639.8/36

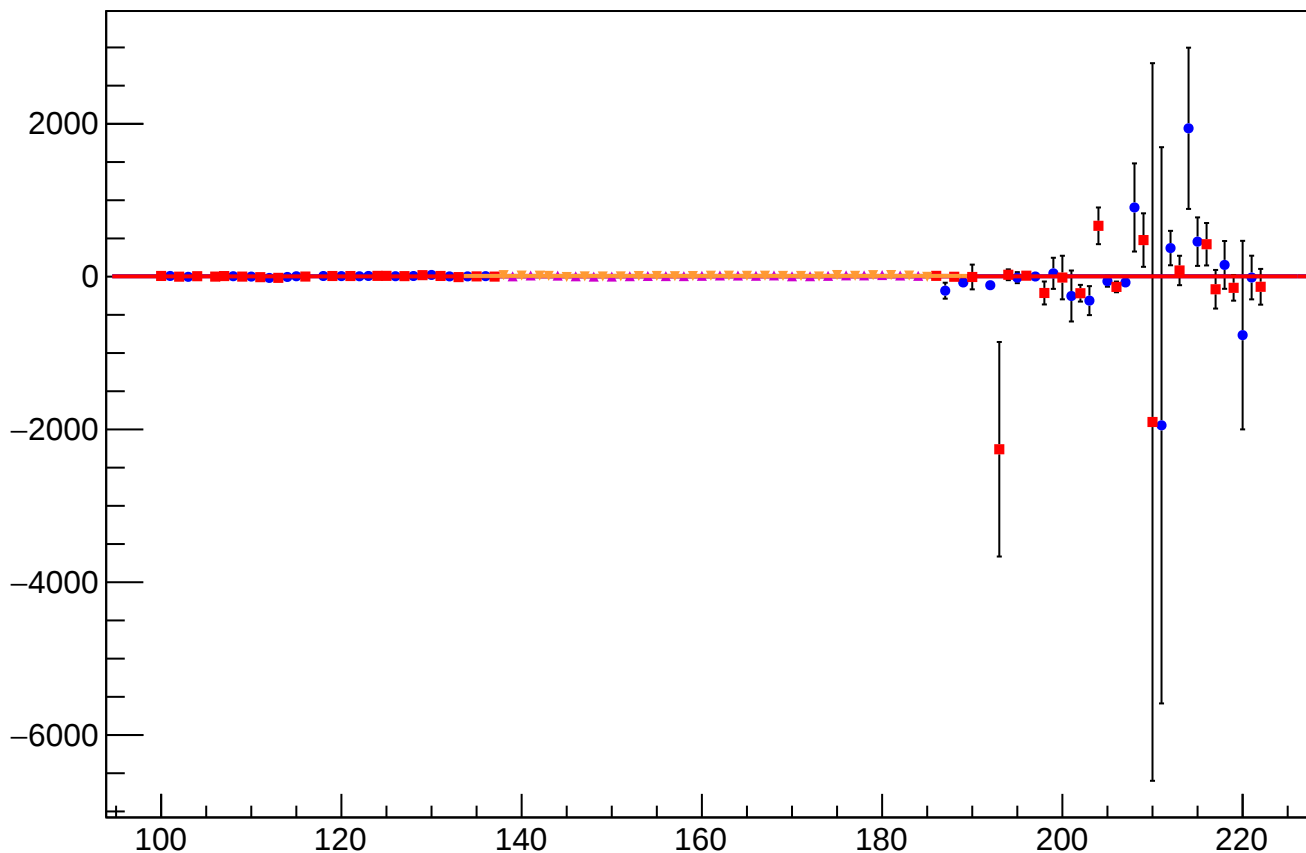
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8100.3/59

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15253.6/119

- sign 57.631 $\pm$ 0.184 χ^2 /NDF: 7150.9/59

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.408 ± 0.361 χ^2/NDF : 416.1/34

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.580 ± 0.375 χ^2/NDF : 448.2/36

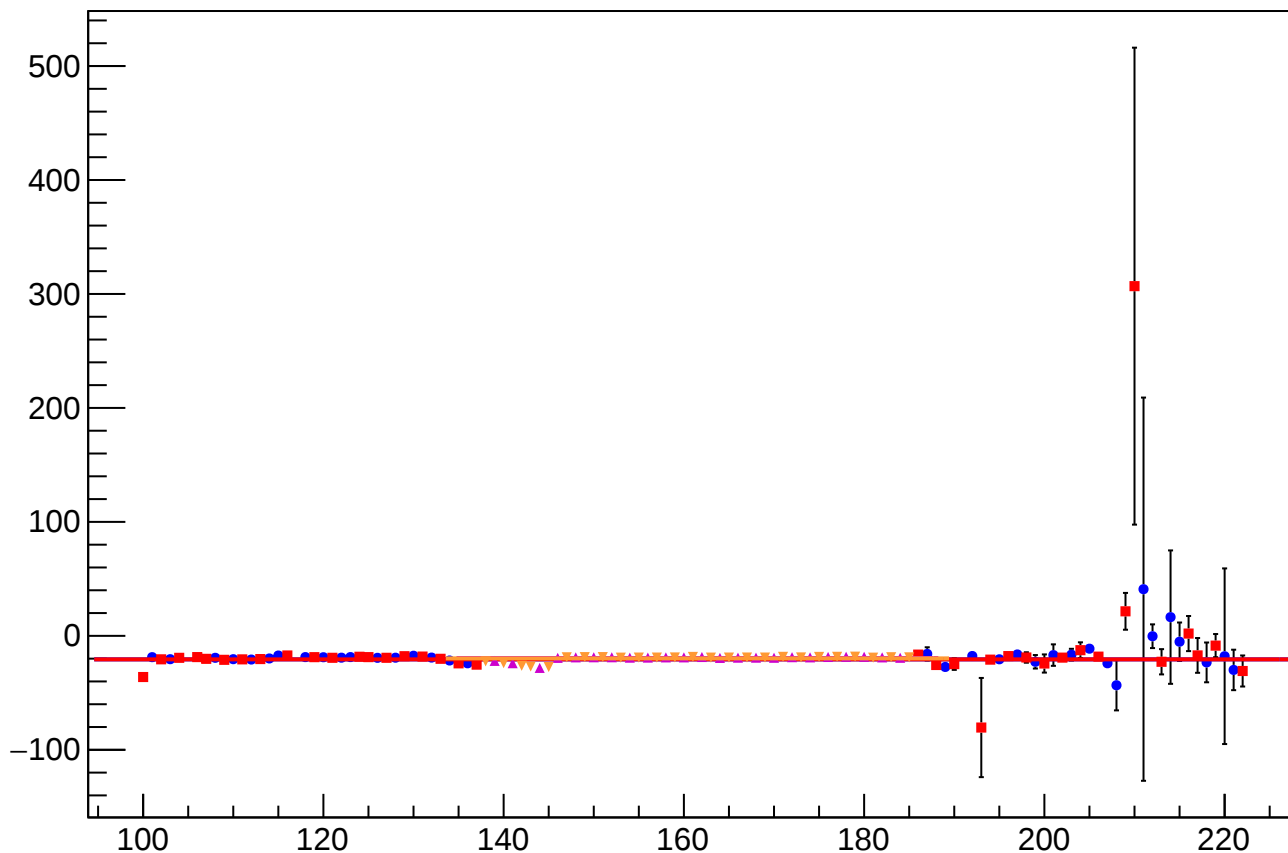
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 ± 0.152 χ^2/NDF : 1984.6/59

All: 8.851 ± 0.109 χ^2/NDF : 3820.1/119

- sign 8.727 ± 0.156 χ^2/NDF : 1834.2/59

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 χ^2/NDF : 12460.6/34

Left Out: -19.767 ± 0.008 χ^2/NDF : 91617.3/24

Right Out: -20.638 ± 0.019 χ^2/NDF : 13823.4/36

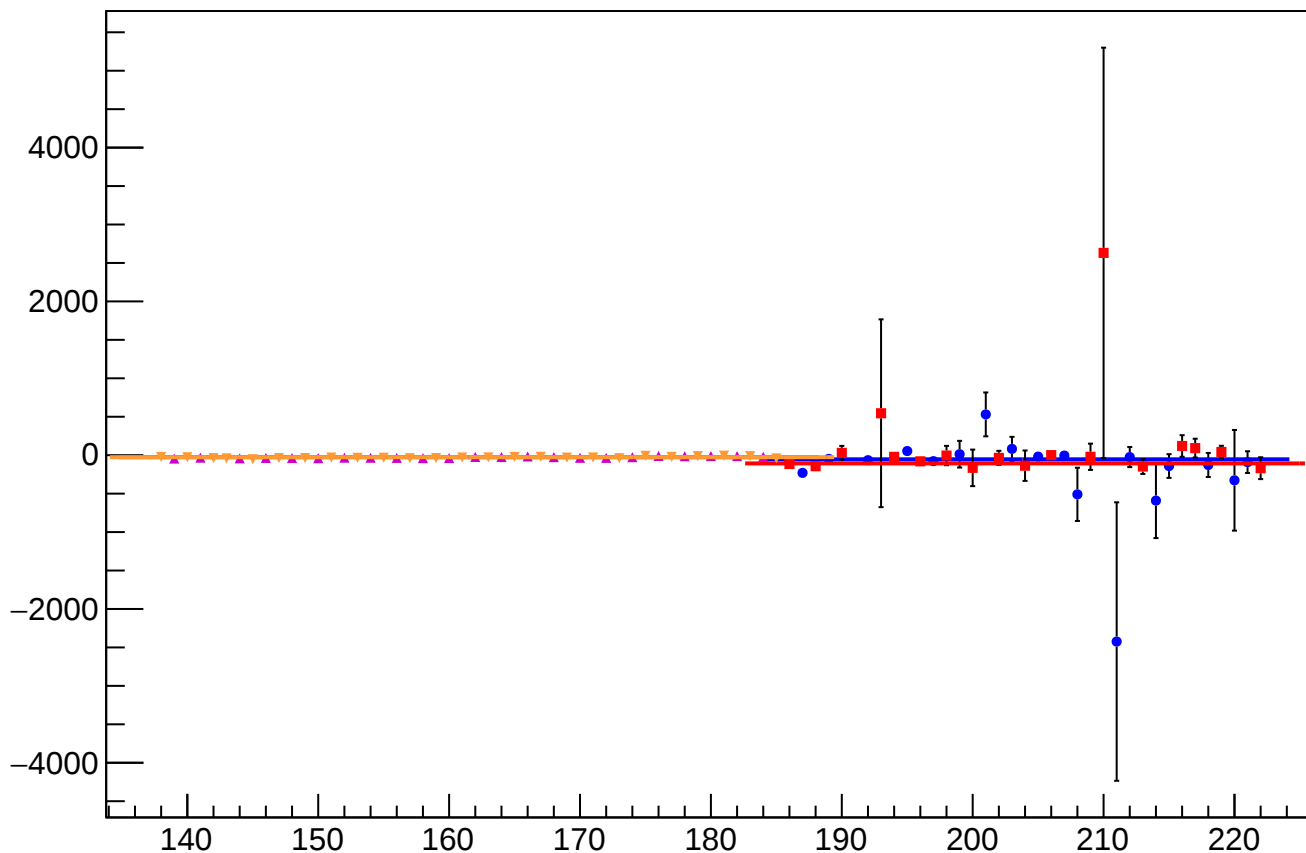
Left In: -19.435 ± 0.008 χ^2/NDF : 53170.9/22

+ sign -19.892 ± 0.007 χ^2/NDF : 105839.2/59

All: -19.751 ± 0.005 χ^2/NDF : 176859.9/119

- sign -19.607 ± 0.007 χ^2/NDF : 70268.1/59

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -53.765 ± 12.844 χ^2/NDF : 33.1/17

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -107.154 ± 8.004 χ^2/NDF : 26.0/17

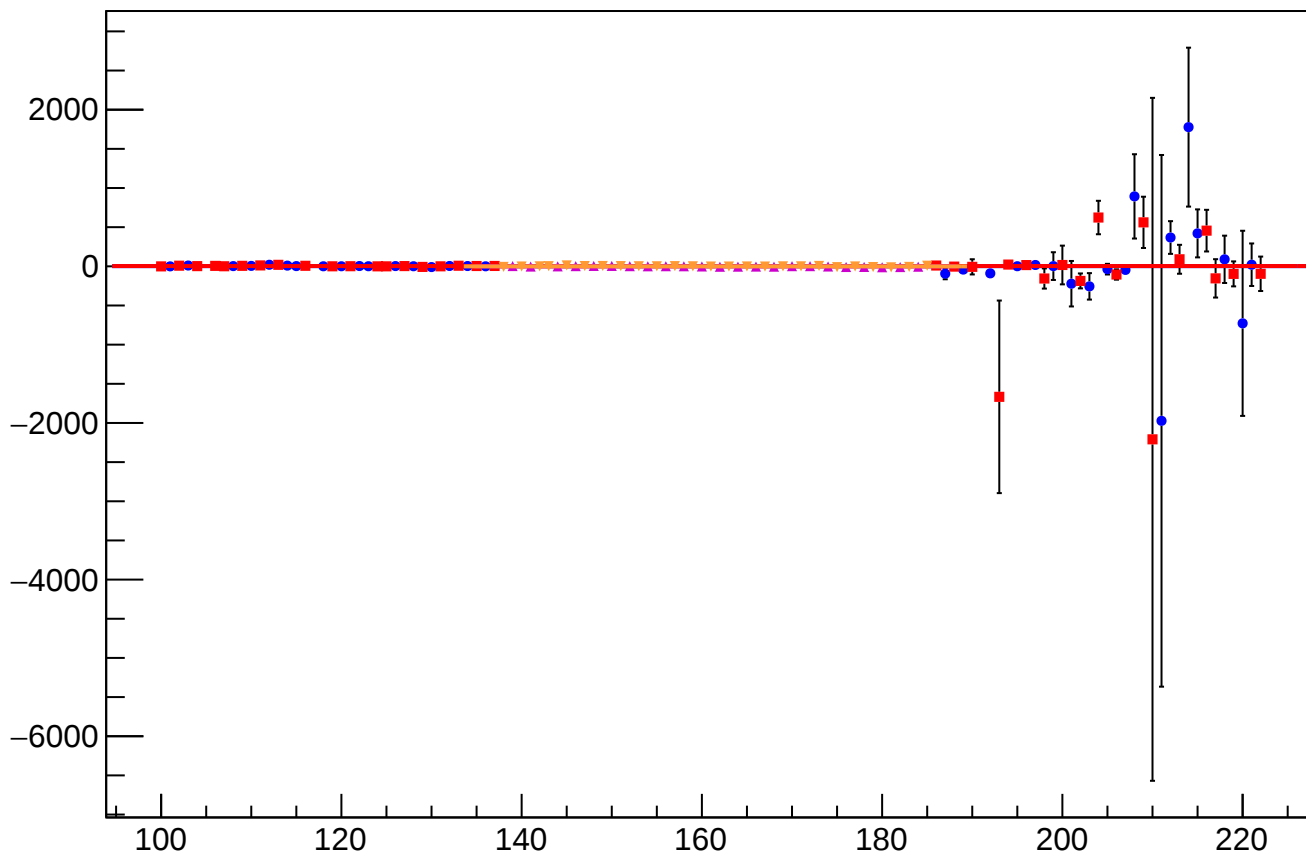
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4165.3/42

All: -25.998 ± 0.137 χ^2/NDF : 7541.1/83

- sign -26.094 ± 0.195 χ^2/NDF : 3375.3/40

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.440 ± 0.315 χ^2/NDF : 317.0/34

Left Out: -0.596 ± 0.146 χ^2/NDF : 1310.7/24

Right Out: 3.593 ± 0.318 χ^2/NDF : 306.3/36

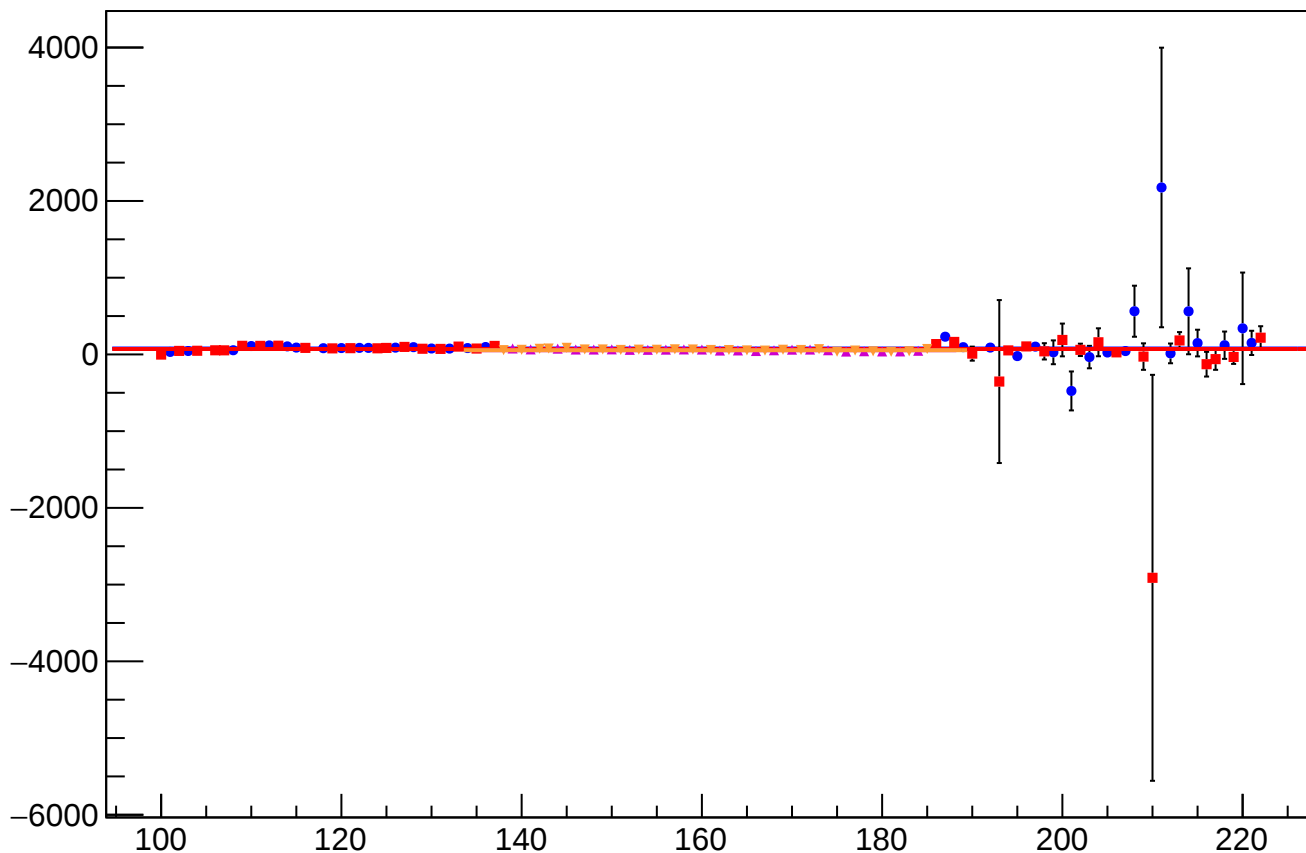
Left In: -0.795 ± 0.151 χ^2/NDF : 1106.3/22

+ sign -0.057 ± 0.133 χ^2/NDF : 1704.2/59

All: -0.025 ± 0.095 χ^2/NDF : 3272.5/119

- sign 0.009 ± 0.136 χ^2/NDF : 1568.2/59

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.712 $\pm$ 0.576 χ^2 /NDF: 2301.3/34

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.744 $\pm$ 0.549 χ^2 /NDF: 4499.8/36

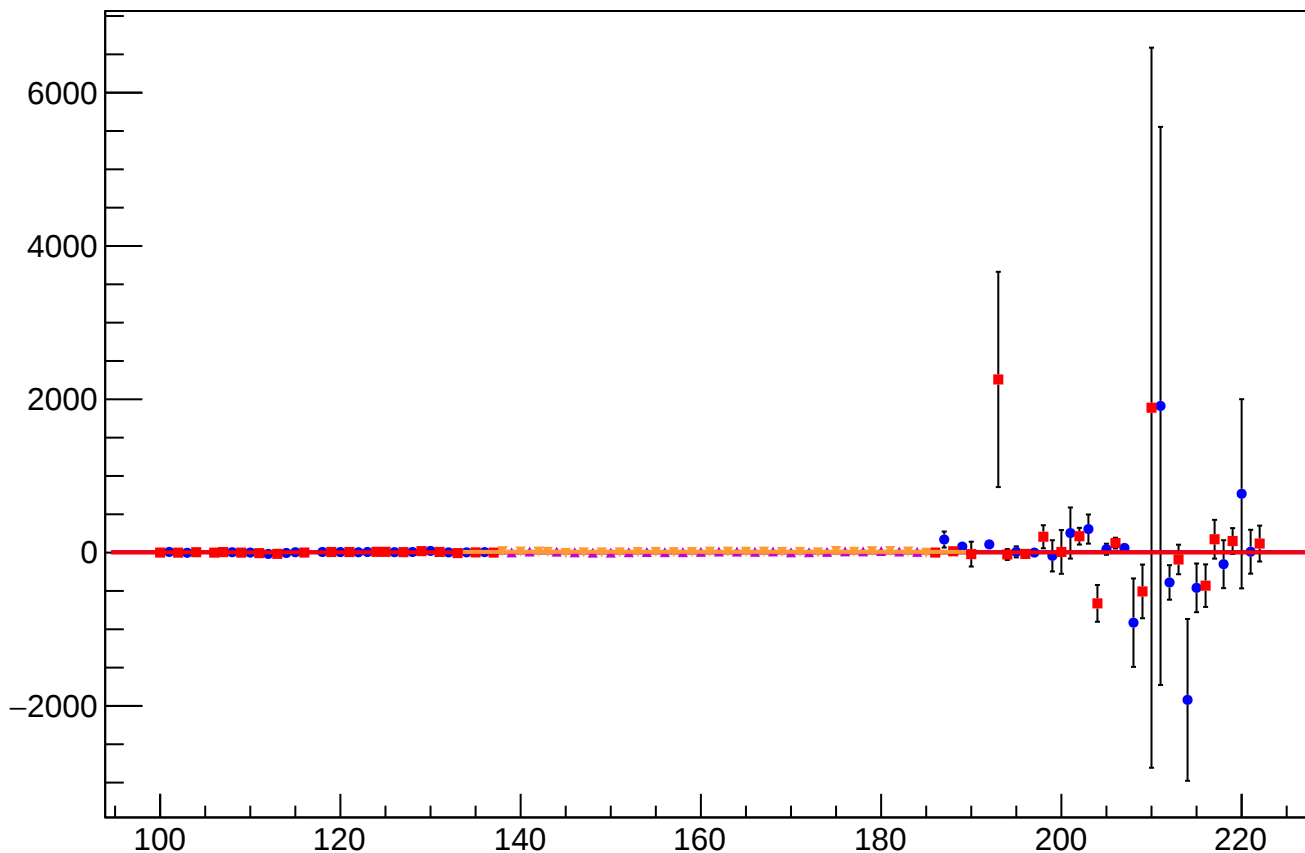
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.260 $\pm$ 0.182 χ^2 /NDF: 8125.9/59

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 17016.8/119

- sign 56.827 $\pm$ 0.183 χ^2 /NDF: 8888.0/59

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.443 ± 0.361 χ^2/NDF : 410.3/34

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.283 ± 0.365 χ^2/NDF : 450.7/36

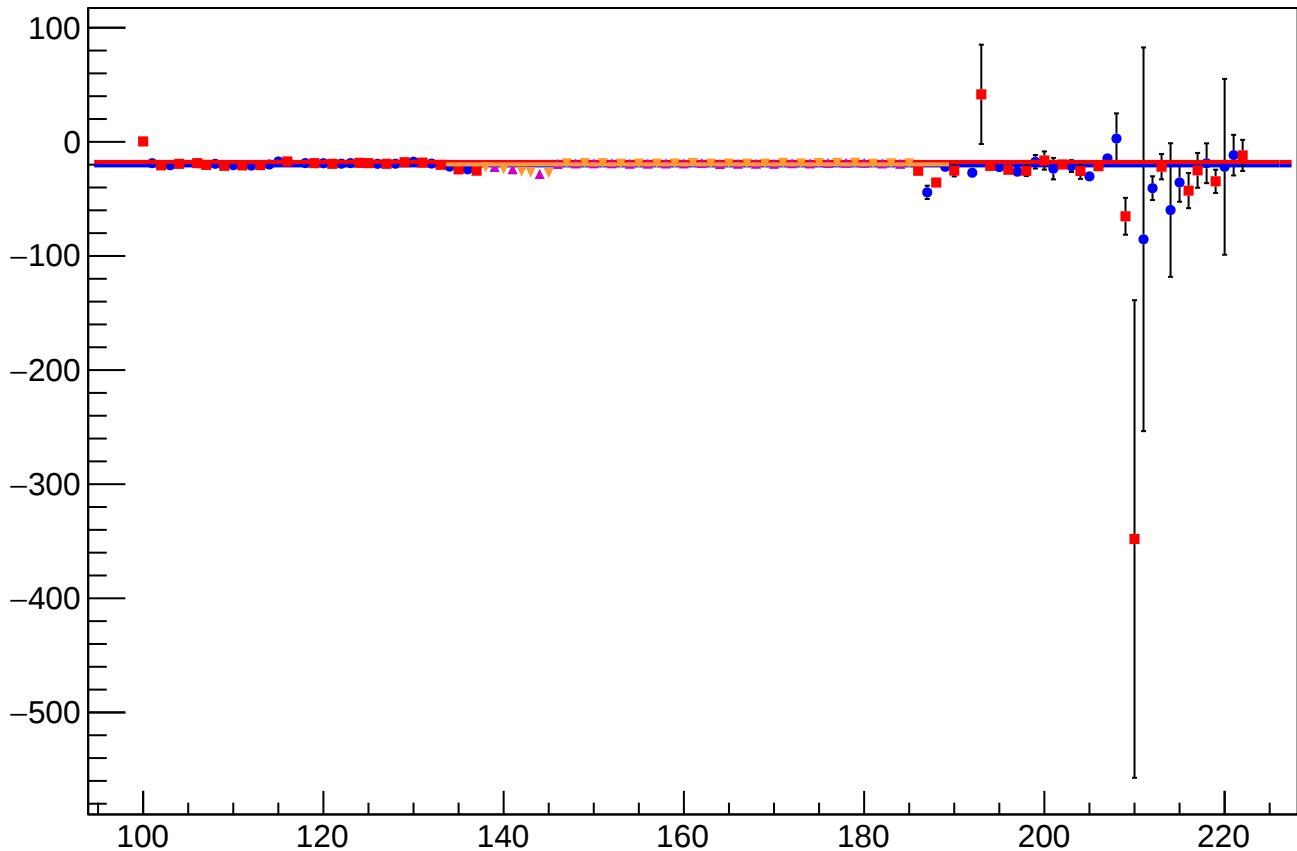
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1964.6/59

All: 8.750 ± 0.109 χ^2/NDF : 3864.5/119

- sign 8.570 ± 0.155 χ^2/NDF : 1897.3/59

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 χ^2/NDF : 12521.3/34

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.575 ± 0.018 χ^2/NDF : 178458.8/36

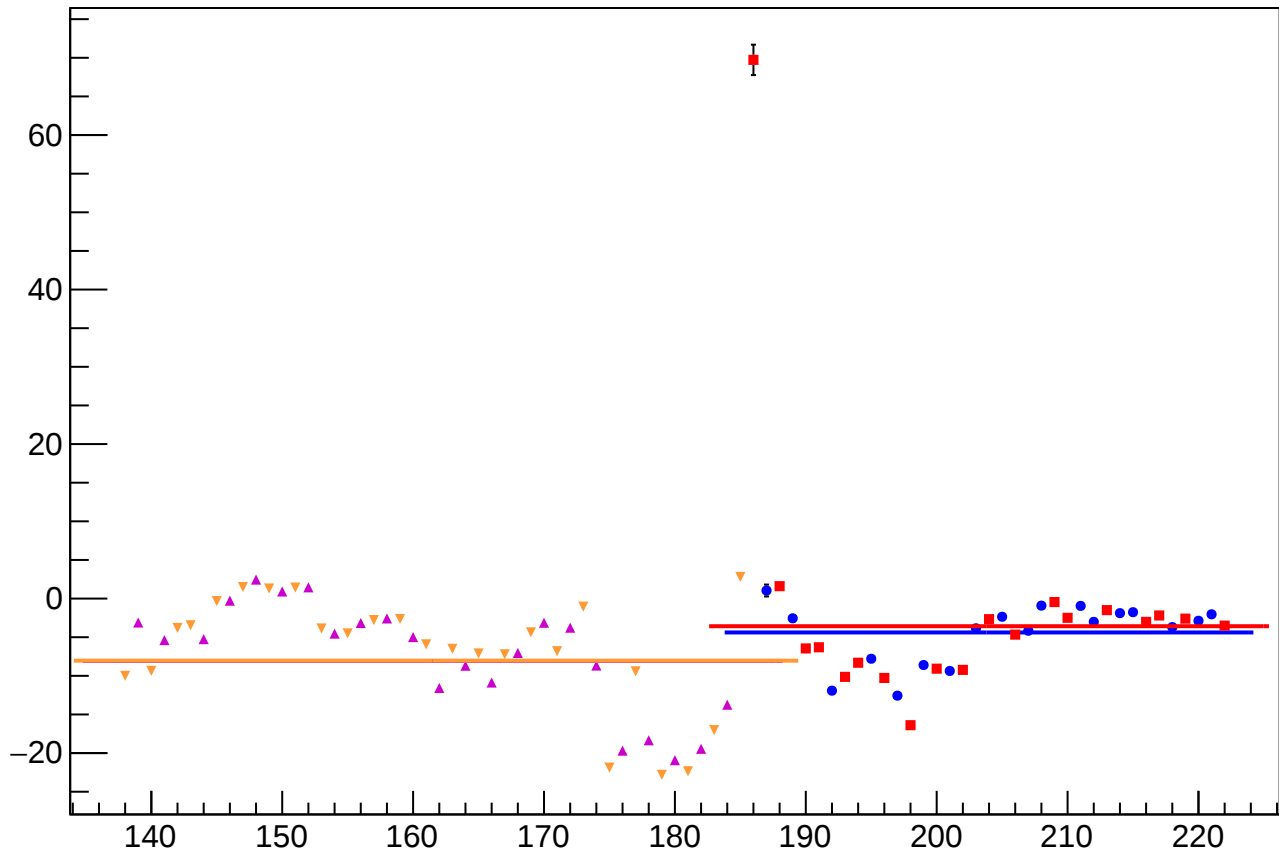
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105770.3/59

All: -19.518 ± 0.005 χ^2/NDF : 351750.9/119

- sign -19.140 ± 0.007 χ^2/NDF : 240569.5/59

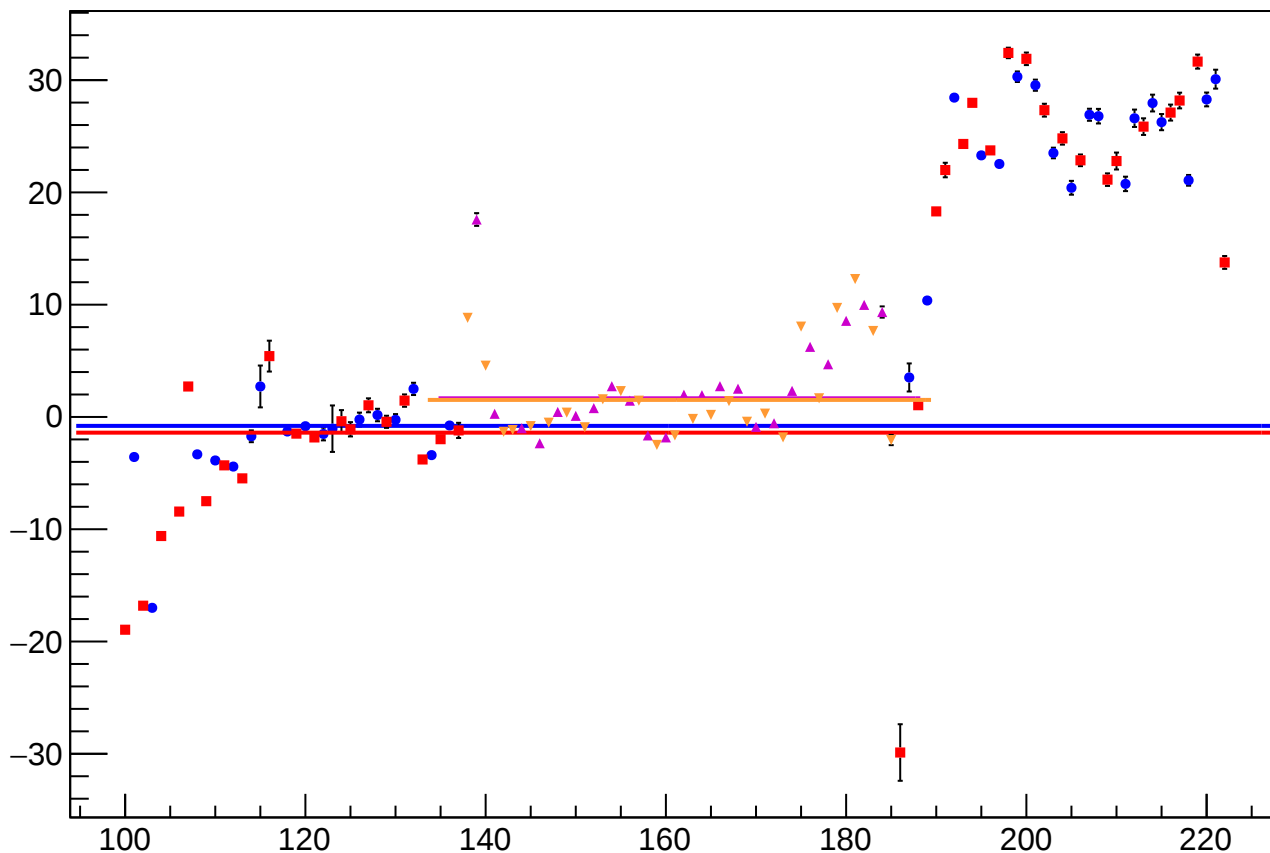
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -4.386 ± 0.090 $\chi^2/\text{NDF}: 1621.4/17$
 Left Out: -8.034 ± 0.070 $\chi^2/\text{NDF}: 12568.0/24$
 Right Out: -3.577 ± 0.084 $\chi^2/\text{NDF}: 4172.9/18$
 Left In: -8.078 ± 0.072 $\chi^2/\text{NDF}: 10541.6/22$

+ sign -6.661 ± 0.056 $\chi^2/\text{NDF}: 15202.7/42$
 All: -6.414 ± 0.039 $\chi^2/\text{NDF}: 31613.1/84$
 - sign -6.174 ± 0.055 $\chi^2/\text{NDF}: 16371.3/41$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -0.794 ± 0.050 $\chi^2/\text{NDF}: 56551.3/34$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -1.398 ± 0.053 $\chi^2/\text{NDF}: 65021.5/37$

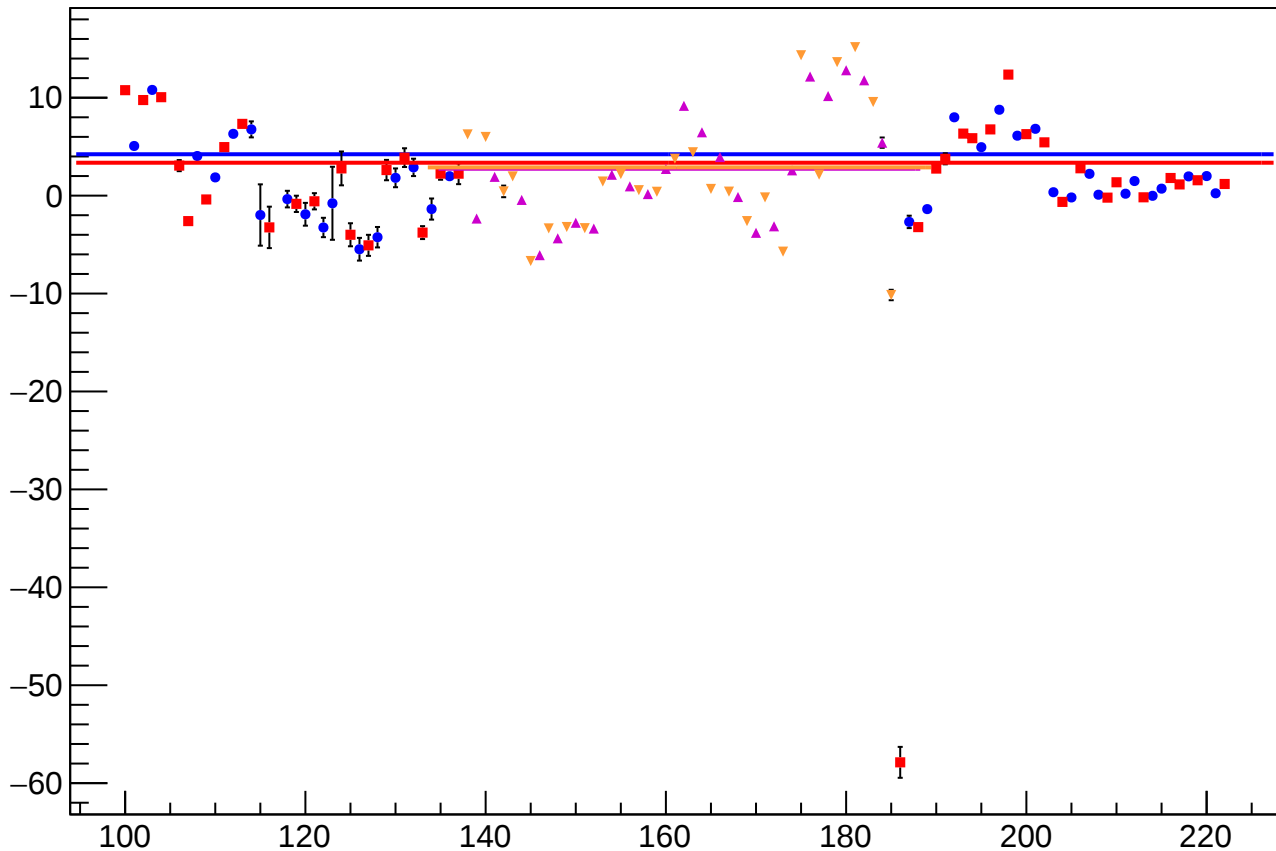
Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

+ sign 0.274 ± 0.037 $\chi^2/\text{NDF}: 62372.7/59$

All: 0.153 ± 0.027 $\chi^2/\text{NDF}: 133018.4/120$

- sign 0.022 ± 0.039 $\chi^2/\text{NDF}: 70623.5/60$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 4.227 ± 0.063 χ^2/NDF : 3457.8/34

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.360 ± 0.060 χ^2/NDF : 8182.2/37

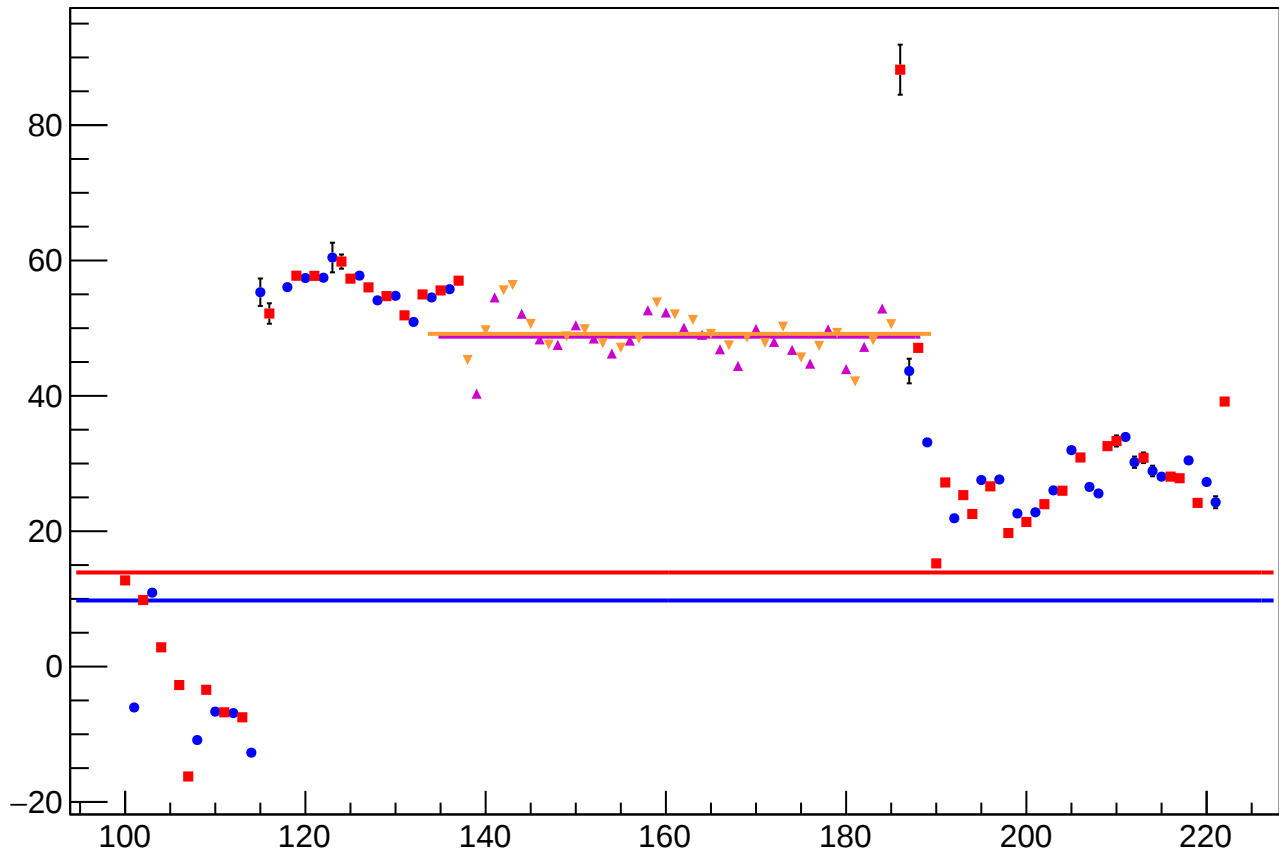
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.628 ± 0.047 χ^2/NDF : 12553.2/59

All: 3.361 ± 0.033 χ^2/NDF : 28025.1/120

- sign 3.104 ± 0.046 χ^2/NDF : 15408.5/60

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 9.766 ± 0.059 χ^2/NDF : 138965.8/34

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 13.904 ± 0.062 χ^2/NDF : 140563.5/37

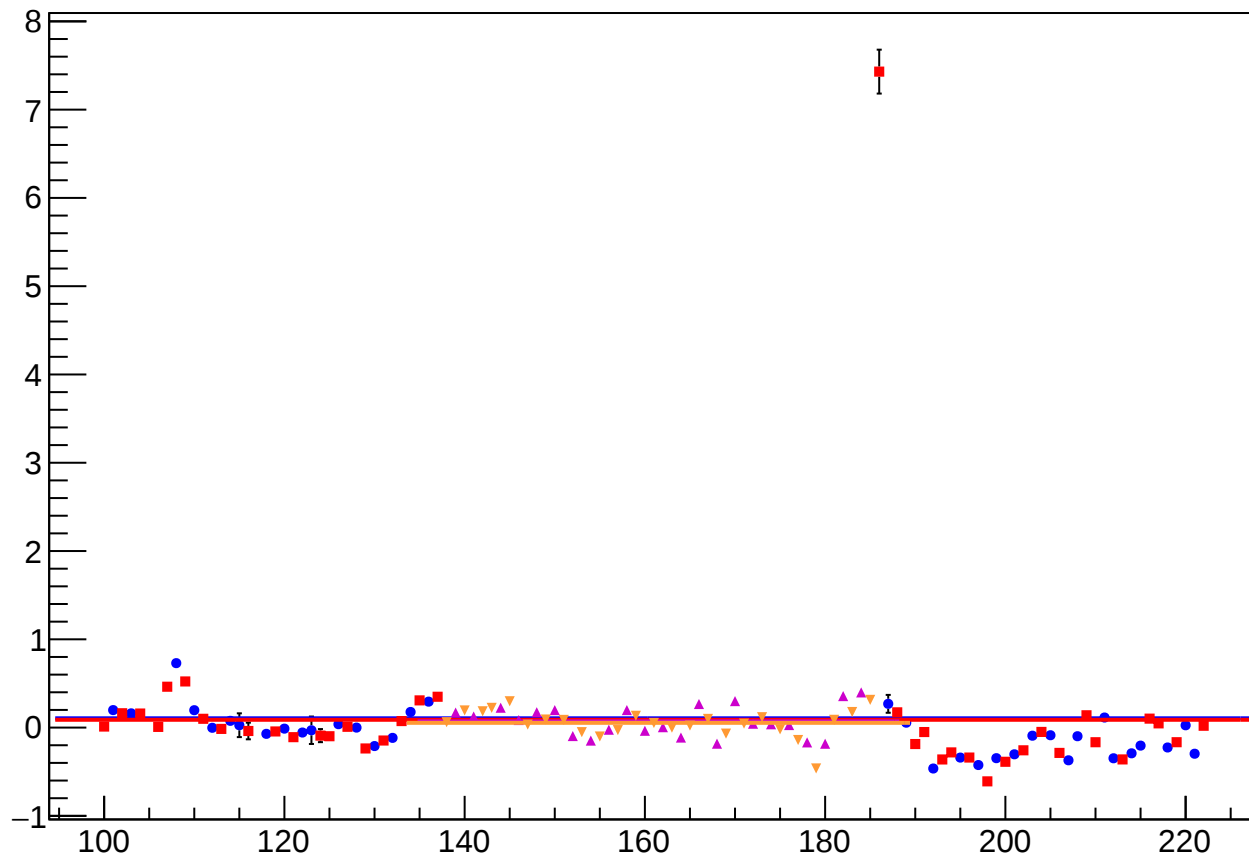
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.611 ± 0.043 χ^2/NDF : 353639.0/59

All: 29.704 ± 0.031 χ^2/NDF : 650615.8/120

- sign 30.894 ± 0.045 χ^2/NDF : 295608.2/60

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.002 χ^2/NDF : 12056.1/34

Left Out: 0.054 ± 0.003 χ^2/NDF : 2379.8/24

Right Out: 0.089 ± 0.002 χ^2/NDF : 11156.4/37

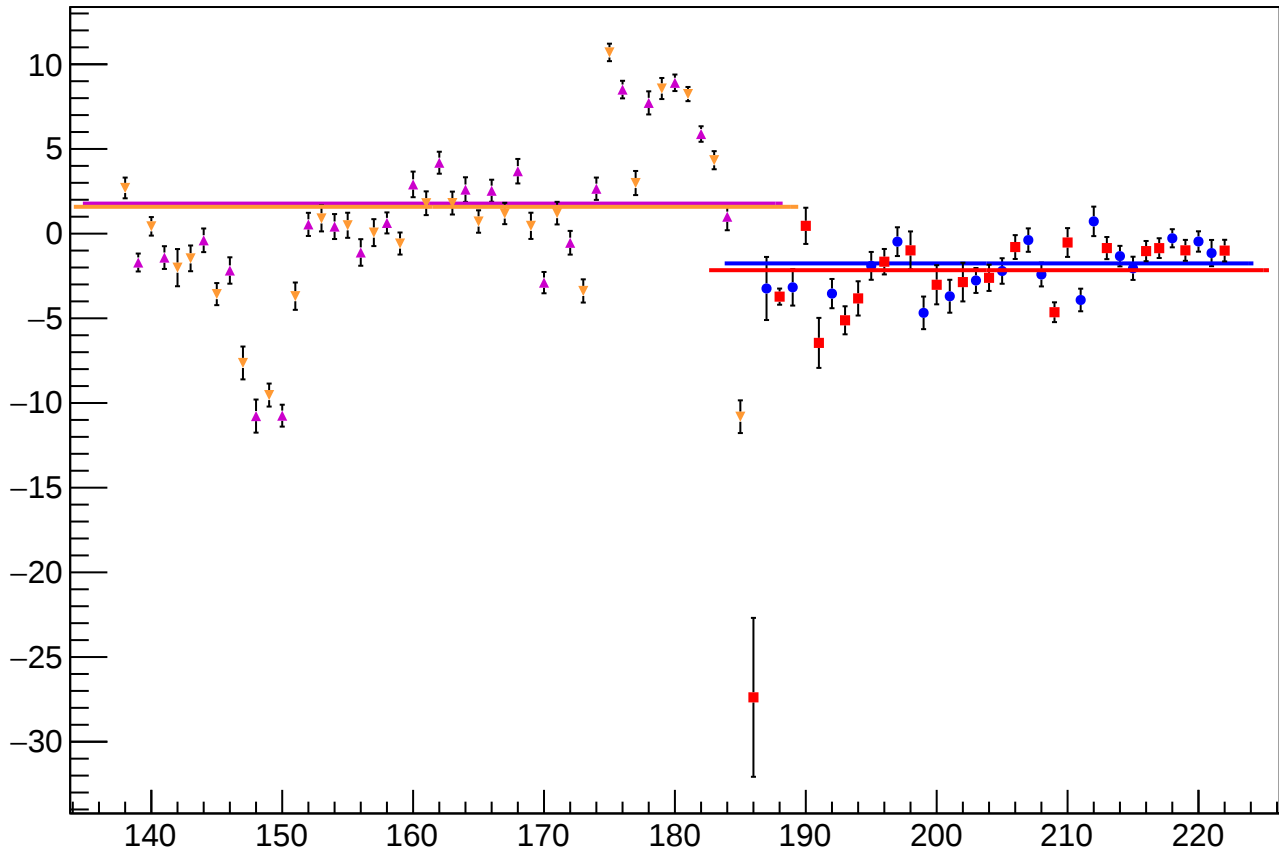
Left In: 0.070 ± 0.003 χ^2/NDF : 3233.8/22

+ sign 0.083 ± 0.002 χ^2/NDF : 14622.9/59

All: 0.082 ± 0.001 χ^2/NDF : 29037.7/120

- sign 0.081 ± 0.002 χ^2/NDF : 14414.2/60

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.758 ± 0.178 χ^2/NDF : 61.4/17

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -2.159 ± 0.173 χ^2/NDF : 117.3/18

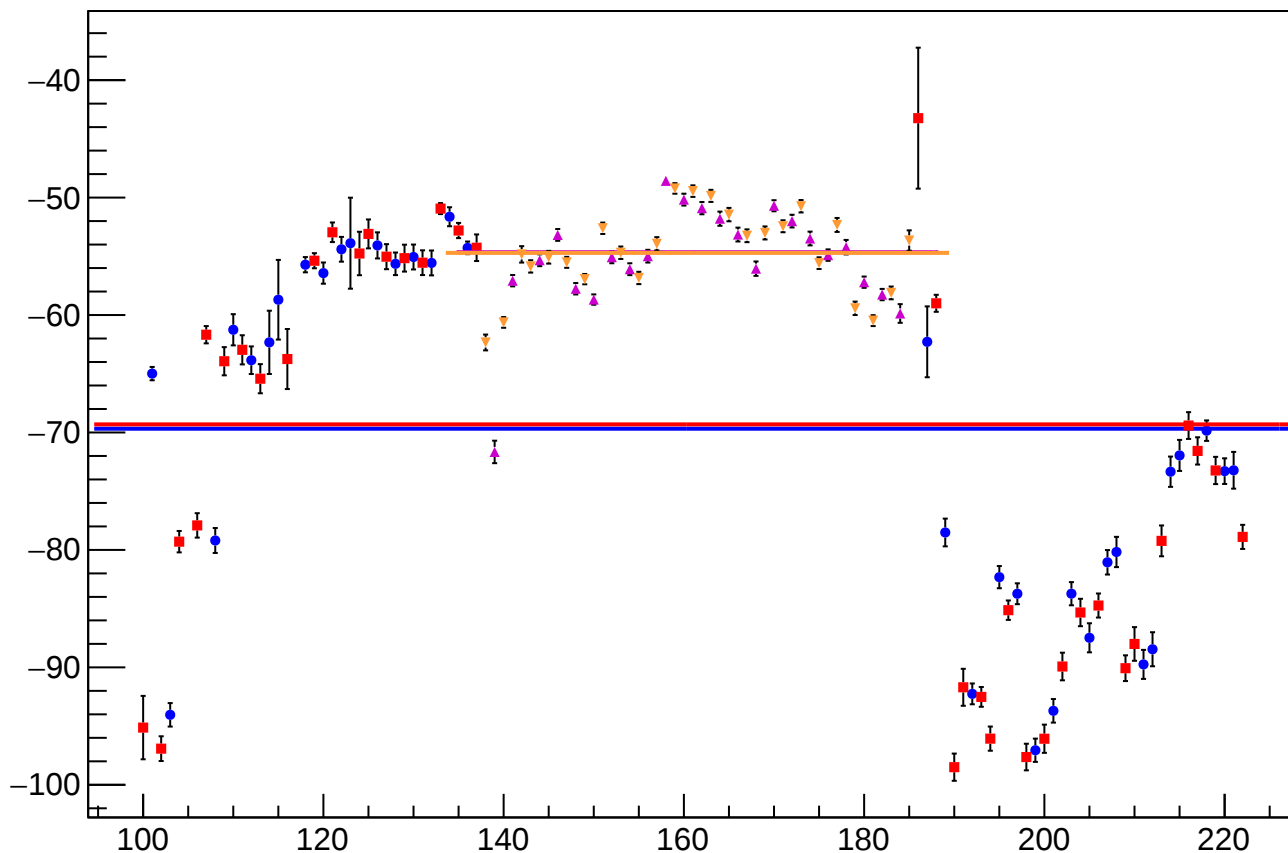
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.390 ± 0.106 χ^2/NDF : 1746.9/42

All: 0.336 ± 0.075 χ^2/NDF : 3483.2/84

- sign 0.281 ± 0.107 χ^2/NDF : 1735.8/41

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.679 ± 0.171 χ^2/NDF : 7351.9/34

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -69.311 ± 0.162 χ^2/NDF : 10482.5/37

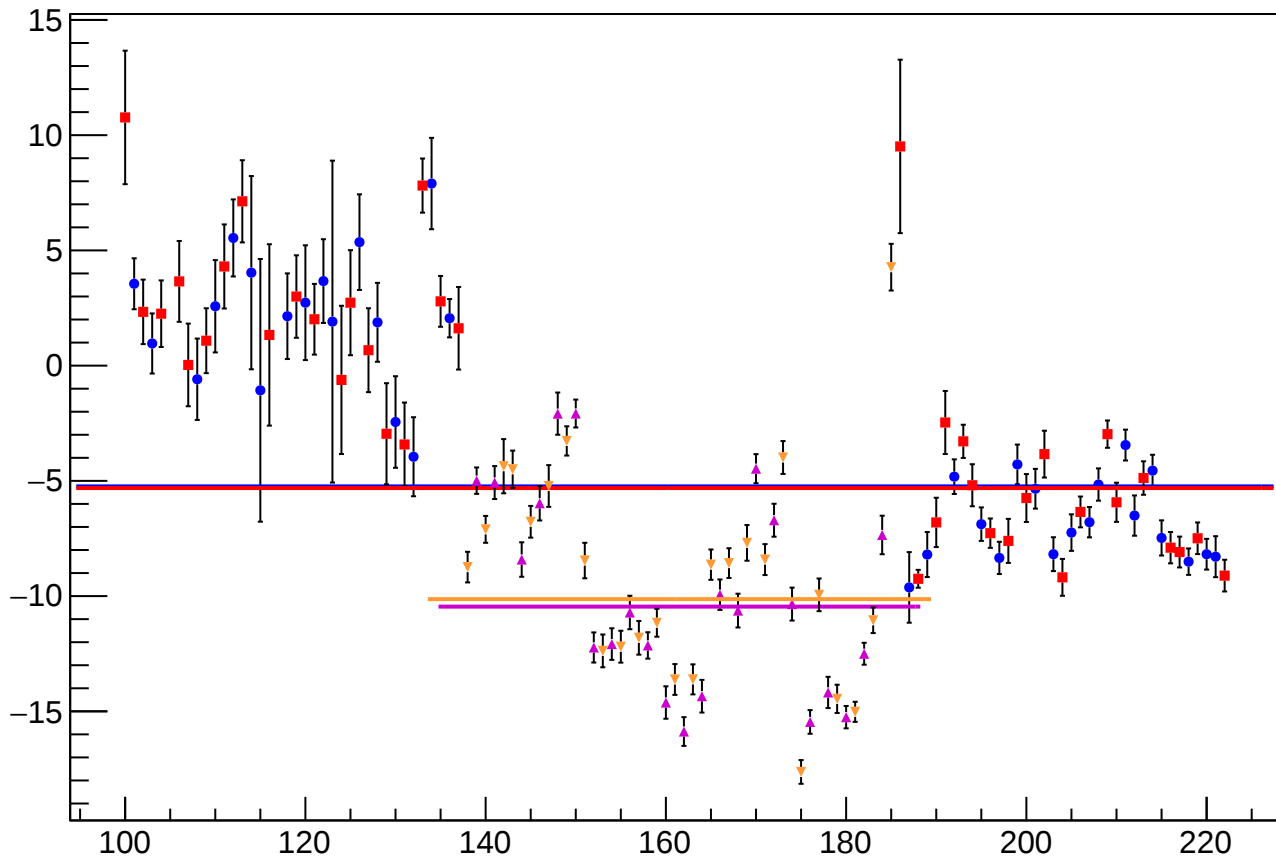
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -58.854 ± 0.090 χ^2/NDF : 14035.3/59

All: -59.057 ± 0.064 χ^2/NDF : 31218.1/120

- sign -59.264 ± 0.091 χ^2/NDF : 17172.5/60

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.240 ± 0.163 $\chi^2/\text{NDF}: 527.3/34$

Left Out: -10.131 ± 0.133 $\chi^2/\text{NDF}: 1055.4/24$

Right Out: -5.313 ± 0.154 $\chi^2/\text{NDF}: 754.1/37$

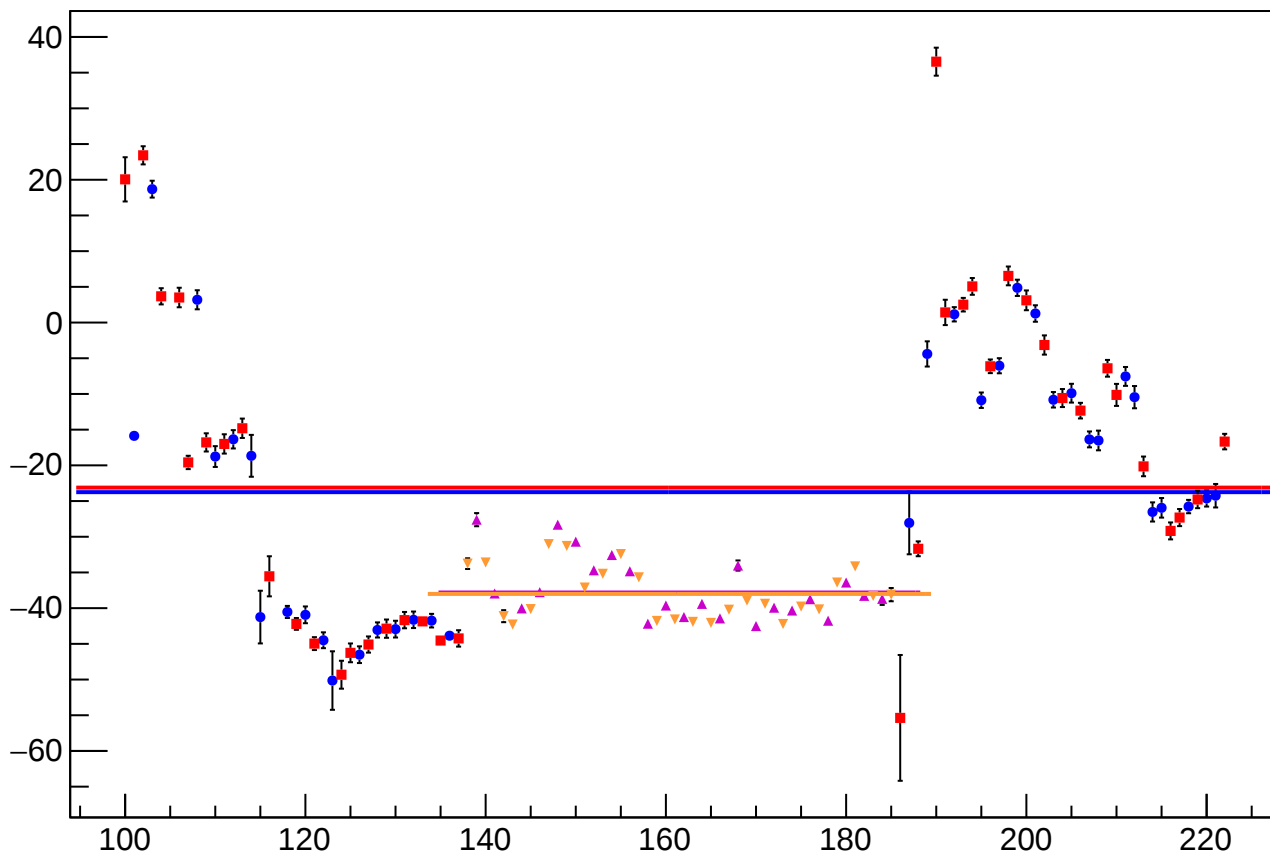
Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

+ sign -8.179 ± 0.103 $\chi^2/\text{NDF}: 2124.0/59$

All: -8.207 ± 0.072 $\chi^2/\text{NDF}: 4511.1/120$

- sign -8.235 ± 0.101 $\chi^2/\text{NDF}: 2387.0/60$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -23.754 ± 0.192 $\chi^2/\text{NDF}: 8675.0/34$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -23.119 ± 0.186 $\chi^2/\text{NDF}: 11966.1/37$

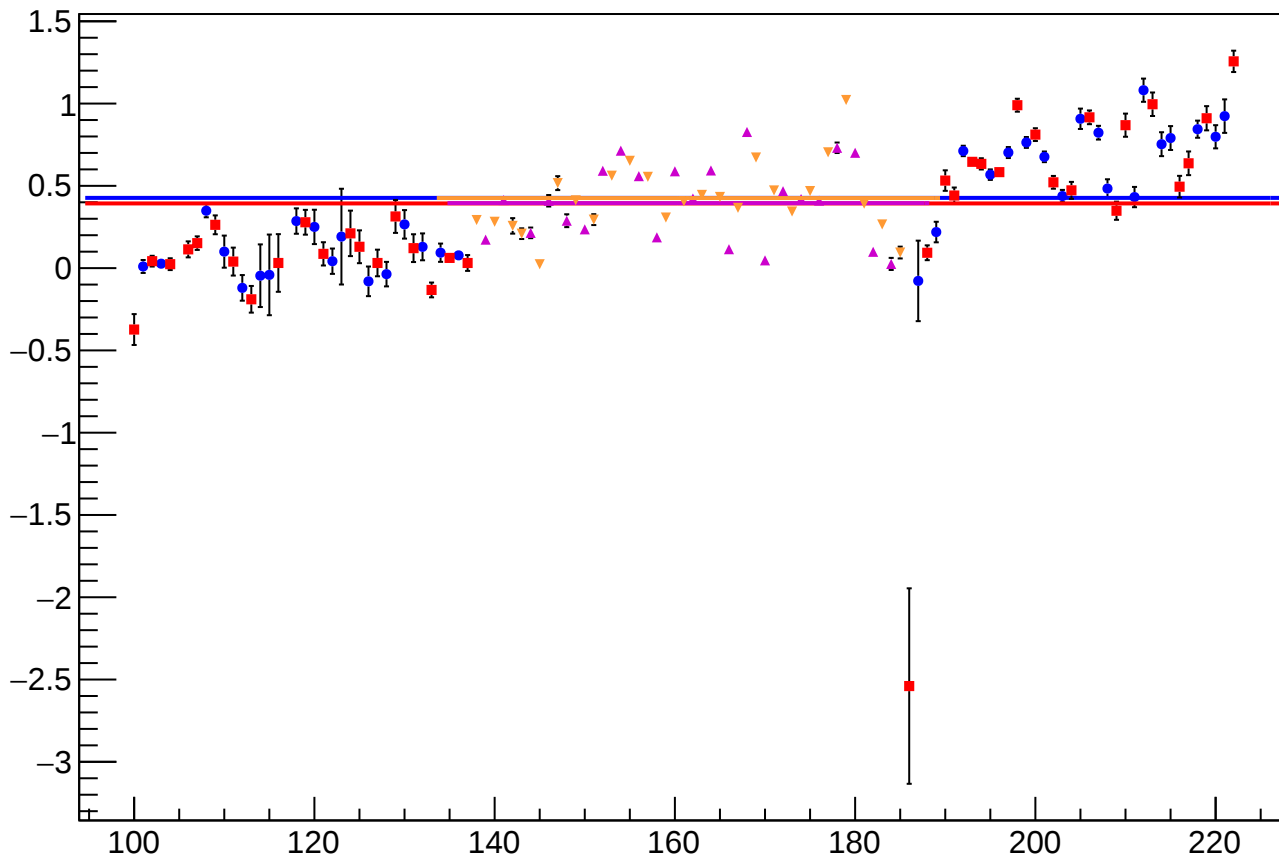
Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

+ sign -34.078 ± 0.101 $\chi^2/\text{NDF}: 13592.4/59$

All: -33.731 ± 0.072 $\chi^2/\text{NDF}: 30976.5/120$

- sign -33.376 ± 0.102 $\chi^2/\text{NDF}: 17360.2/60$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.427 $\pm$ 0.008 χ^2 /NDF: 1523.5/34

Left Out: 0.426 $\pm$ 0.005 χ^2 /NDF:1303.7/24

Right Out: 0.393 $\pm$ 0.008 χ^2 /NDF: 1955.9/37

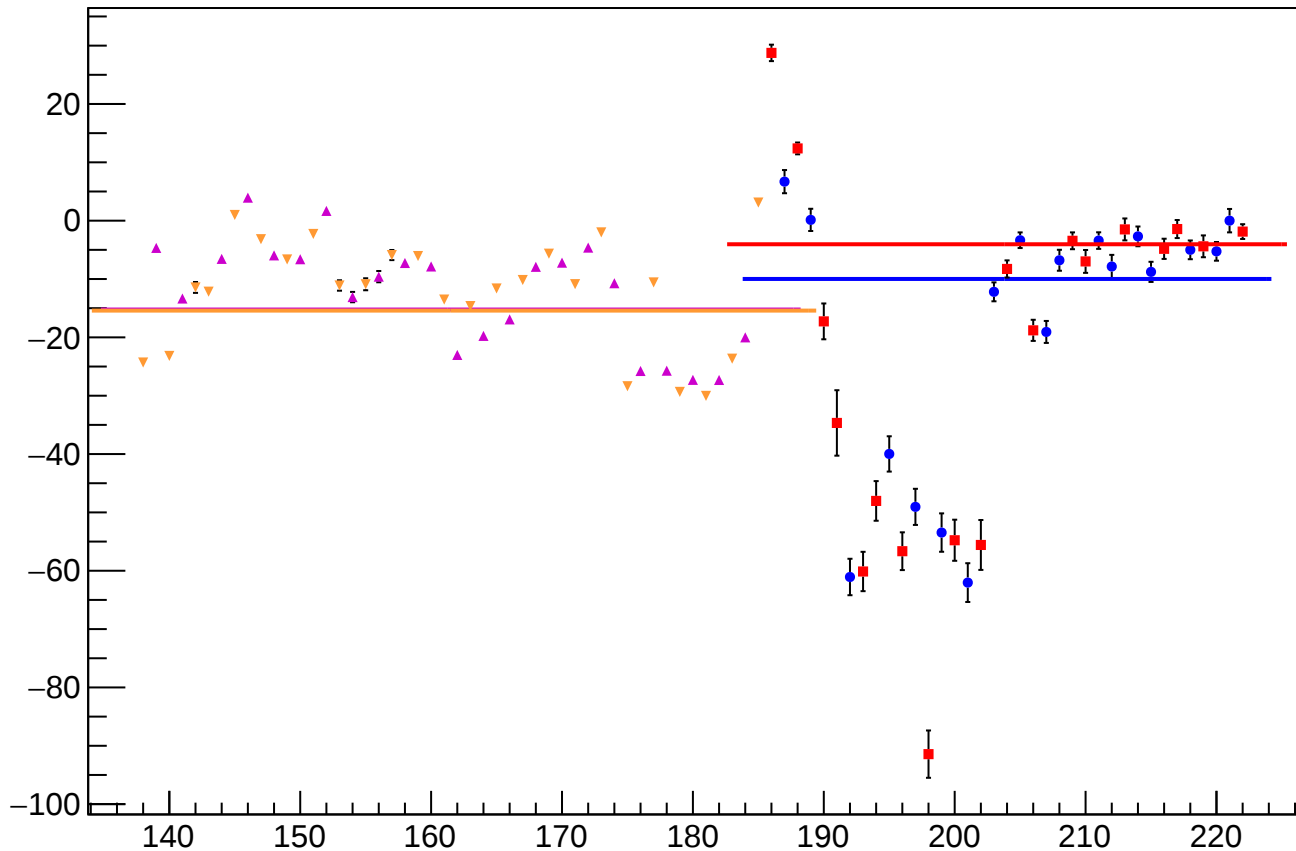
Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

+ sign 0.426 $\pm$ 0.005 χ^2 /NDF: 2827.2/59

All: 0.410 $\pm$ 0.003 χ^2 /NDF: 6606.0/120

- sign 0.394 $\pm$ 0.004 χ^2 /NDF: 3754.1/60

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -9.989 ± 0.446 χ^2/NDF : 1181.3/17

Left Out: -15.413 ± 0.105 χ^2/NDF : 10509.1/24

Right Out: -4.042 ± 0.425 χ^2/NDF : 2463.8/18

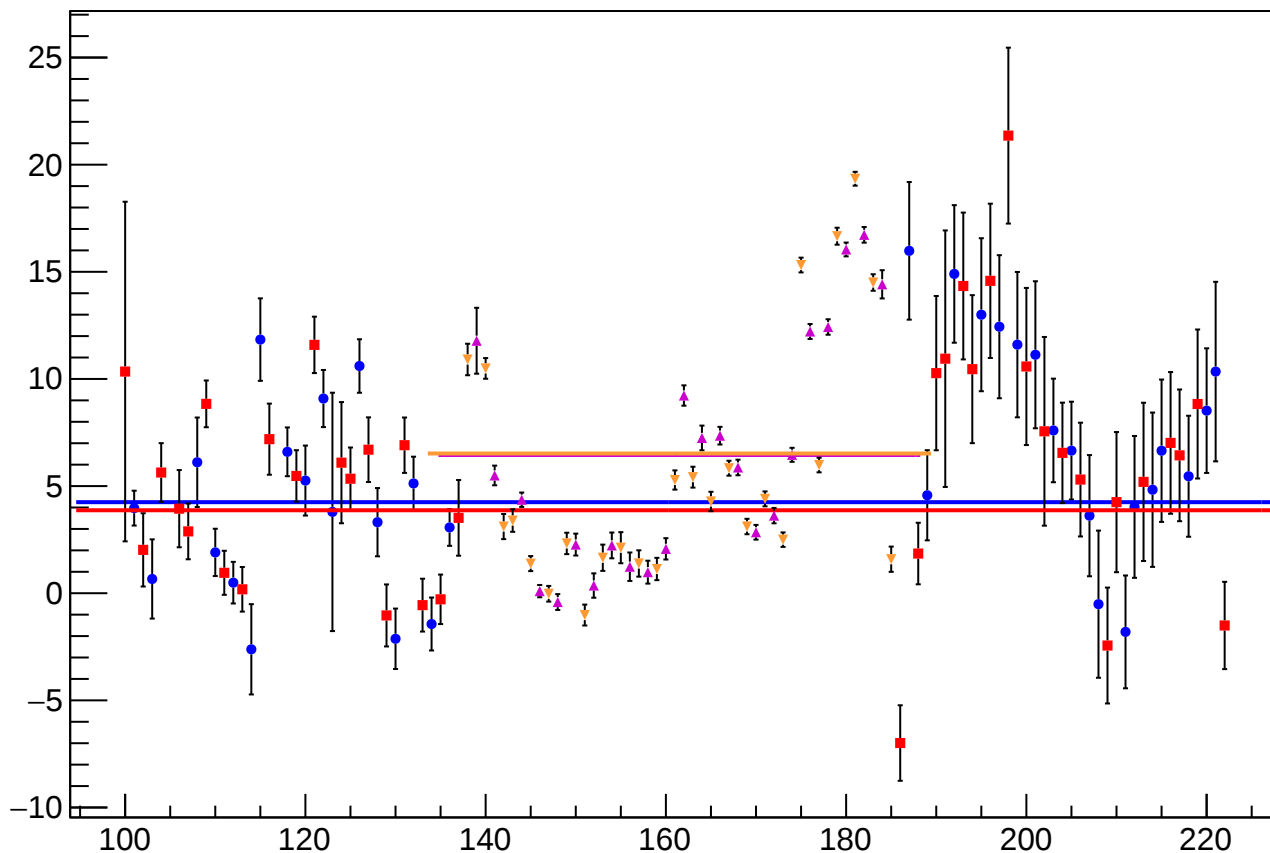
Left In: -15.229 ± 0.107 χ^2/NDF : 8657.3/22

+ sign -15.127 ± 0.102 χ^2/NDF : 11830.2/42

All: -14.850 ± 0.073 χ^2/NDF : 23618.0/84

- sign -14.566 ± 0.103 χ^2/NDF : 11772.9/41

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.249 ± 0.284 χ^2/NDF : 198.8/34

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.872 ± 0.283 χ^2/NDF : 240.0/37

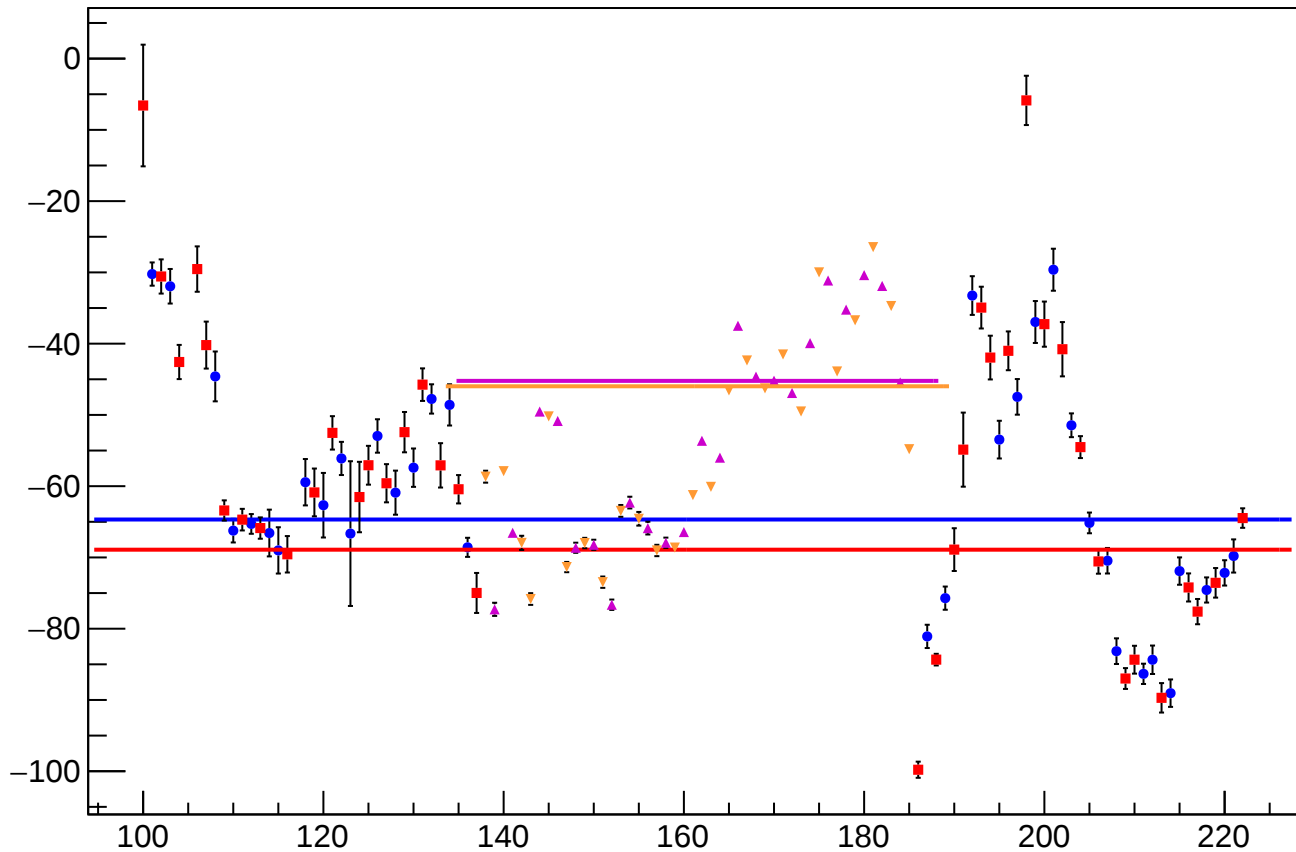
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.333 ± 0.082 χ^2/NDF : 5242.6/59

All: 6.284 ± 0.058 χ^2/NDF : 9507.3/120

- sign 6.234 ± 0.082 χ^2/NDF : 4264.0/60

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -64.677 ± 0.346 χ^2/NDF : 2133.7/34

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -68.913 ± 0.323 χ^2/NDF : 3309.8/37

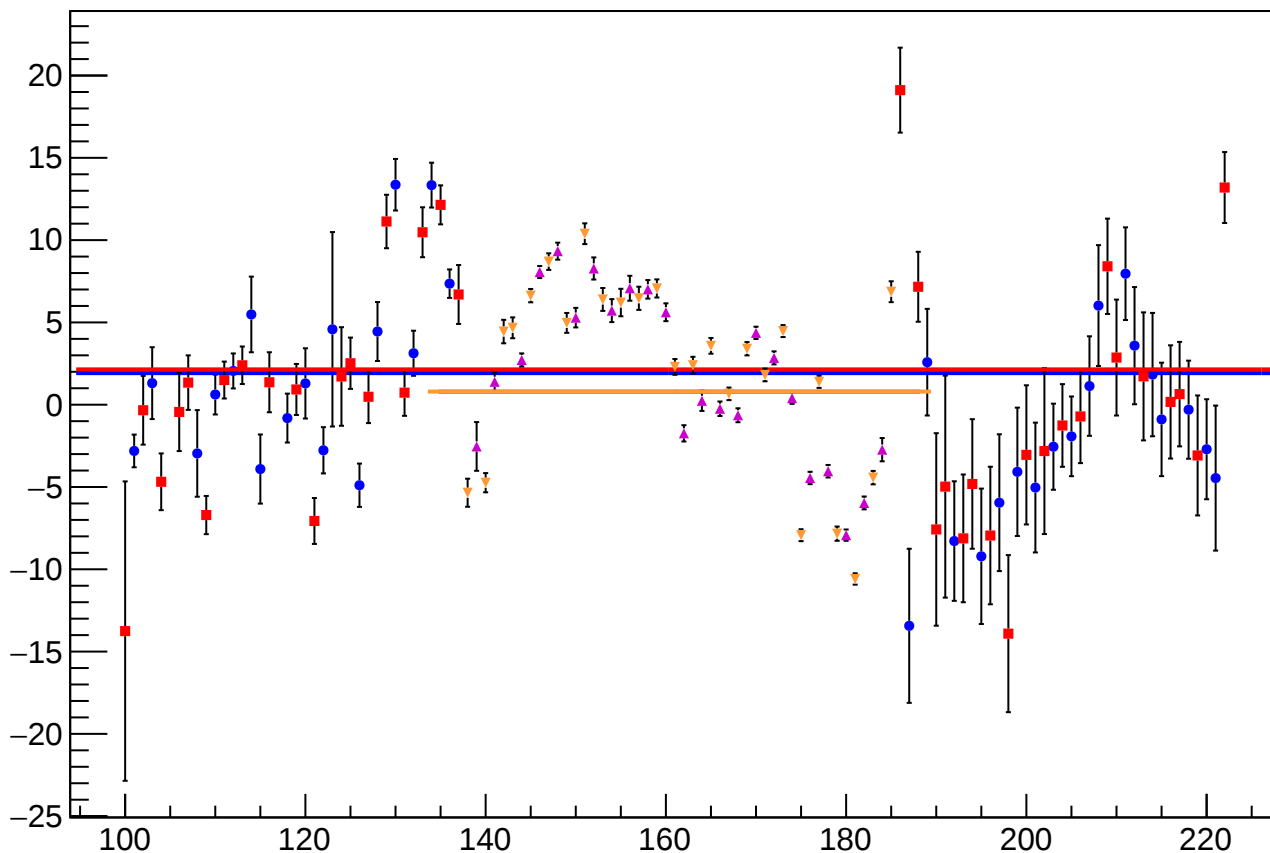
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -47.594 ± 0.102 χ^2/NDF : 22163.2/59

All: -47.582 ± 0.072 χ^2/NDF : 45913.4/120

- sign -47.570 ± 0.102 χ^2/NDF : 23750.1/60

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 1.918 ± 0.318 χ^2/NDF : 297.4/34

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 2.147 ± 0.321 χ^2/NDF : 384.0/37

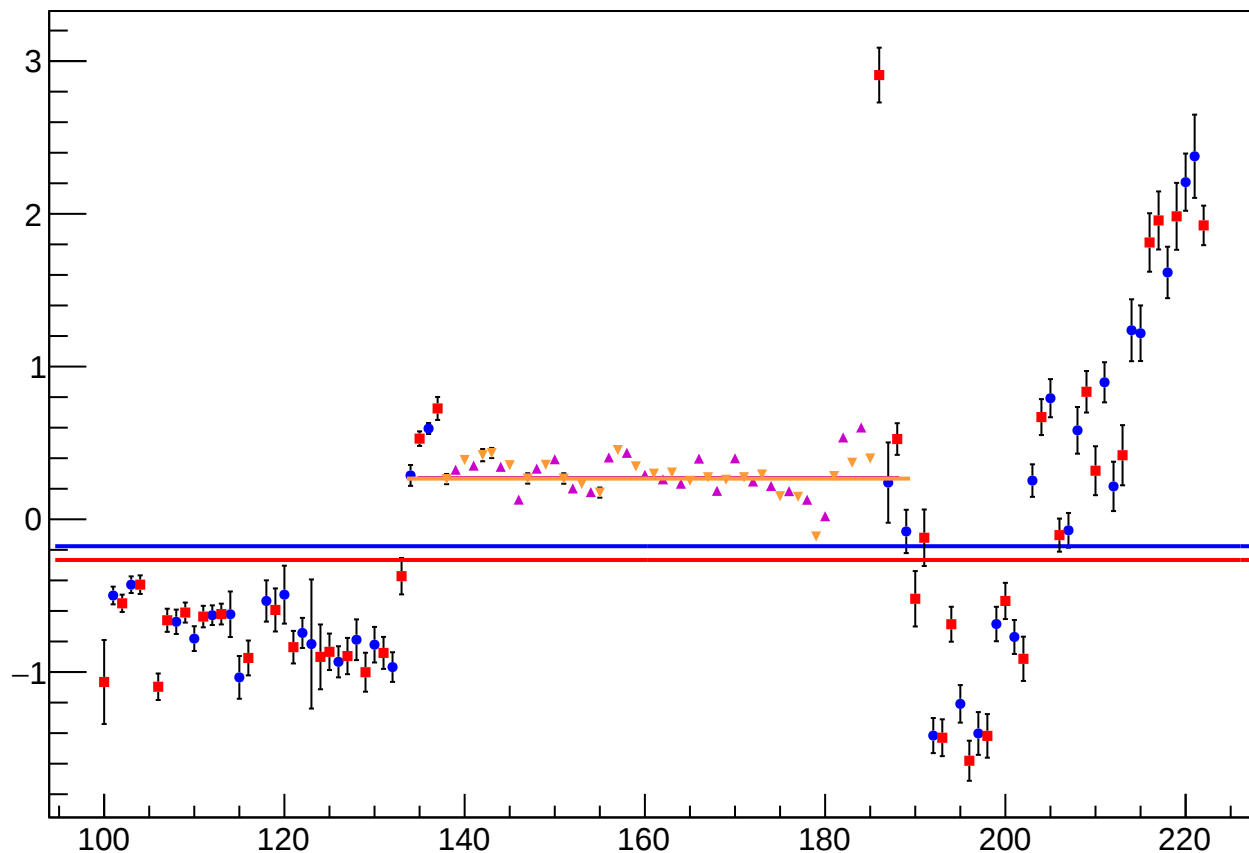
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.890 ± 0.091 χ^2/NDF : 4068.7/59

All: 0.897 ± 0.065 χ^2/NDF : 7161.5/120

- sign 0.904 ± 0.093 χ^2/NDF : 3092.8/60

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.176 ± 0.016 χ^2/NDF : 1926.4/34

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.266 ± 0.016 χ^2/NDF : 2363.9/37

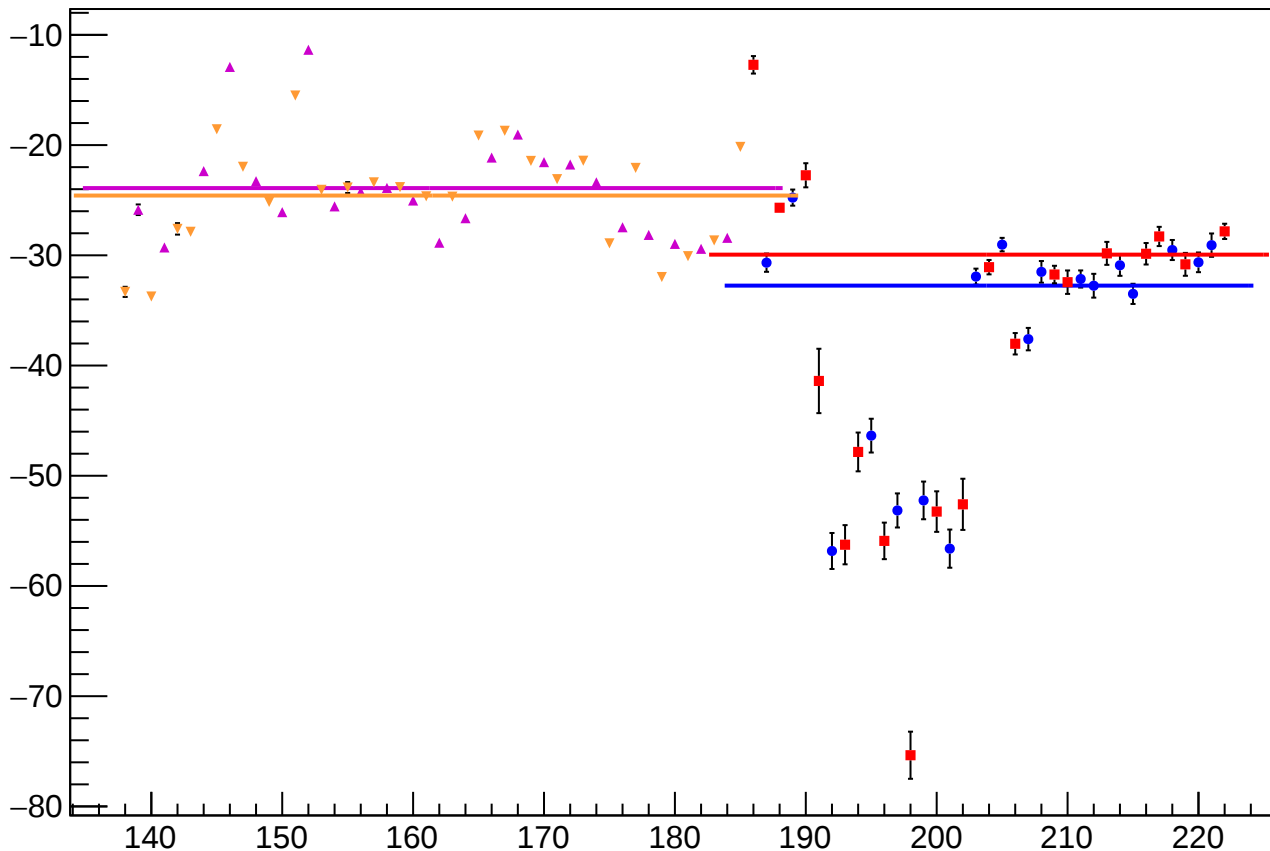
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.237 ± 0.004 χ^2/NDF : 3305.5/59

All: 0.236 ± 0.003 χ^2/NDF : 7641.9/120

- sign 0.234 ± 0.004 χ^2/NDF : 4336.1/60

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -32.750 ± 0.224 χ^2/NDF : 1013.4/17

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -29.939 ± 0.214 χ^2/NDF : 1998.8/18

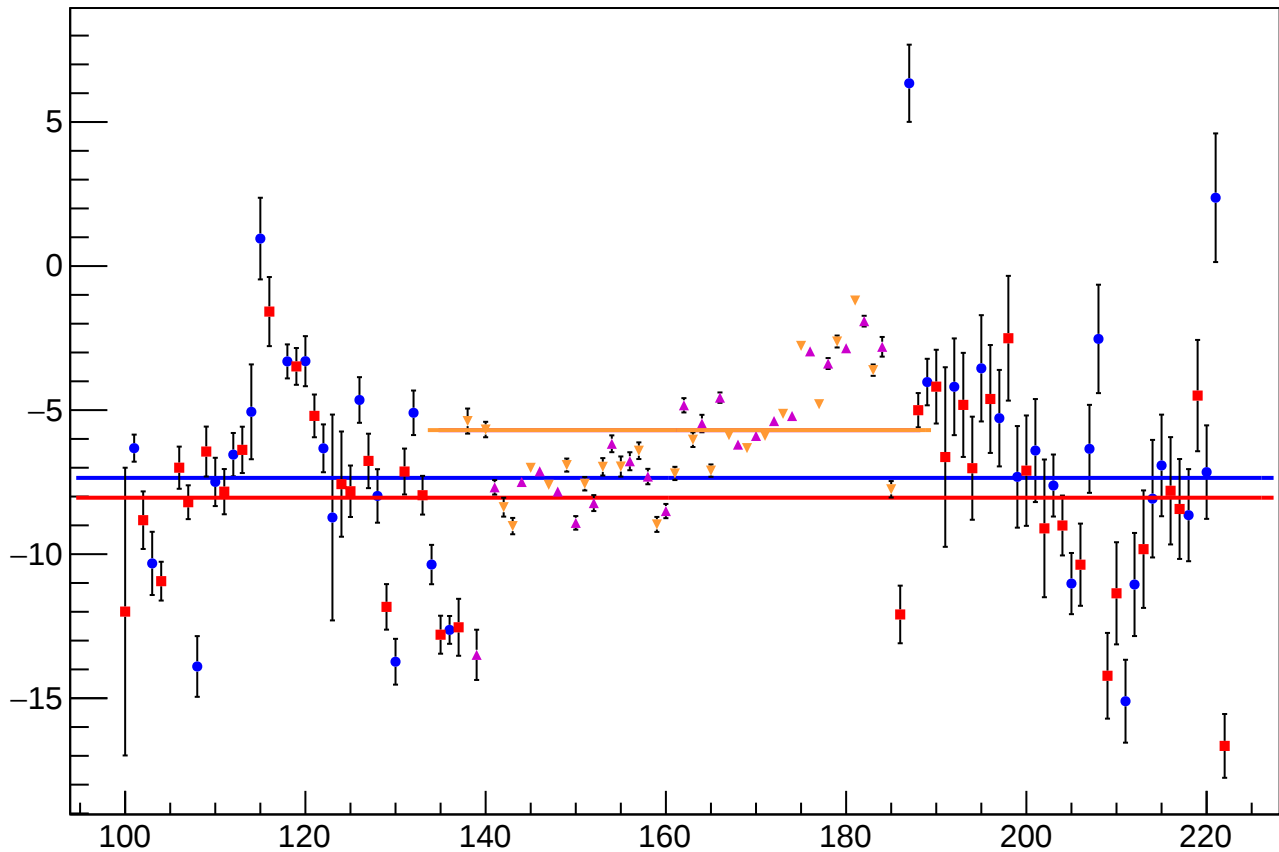
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.980 ± 0.050 χ^2/NDF : 10870.7/42

All: -24.603 ± 0.035 χ^2/NDF : 22891.3/84

- sign -24.226 ± 0.050 χ^2/NDF : 11905.6/41

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.352 ± 0.164 $\chi^2/\text{NDF}: 585.5/34$

Left Out: -5.694 ± 0.041 $\chi^2/\text{NDF}: 2258.3/24$

Right Out: -8.040 ± 0.160 $\chi^2/\text{NDF}: 377.9/37$

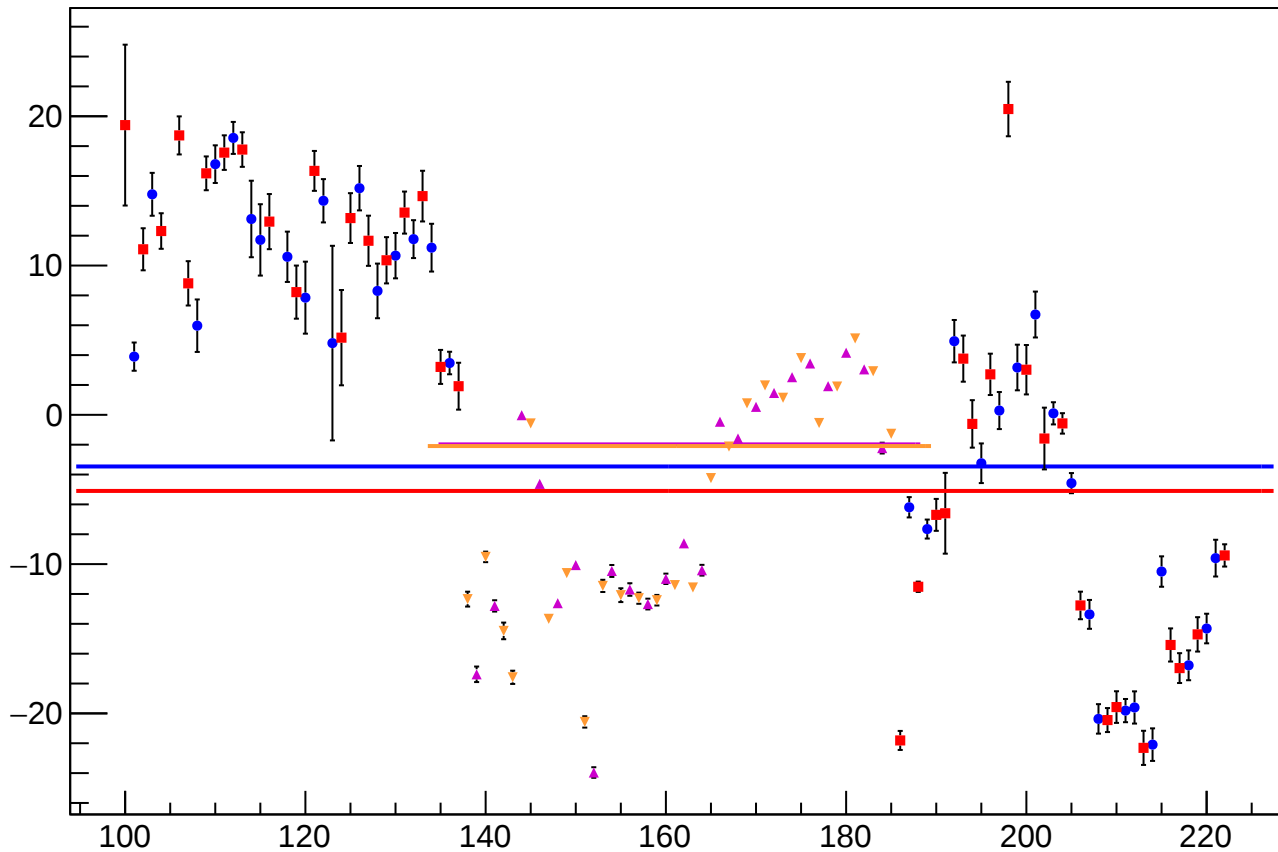
Left In: -5.696 ± 0.041 $\chi^2/\text{NDF}: 2309.8/22$

+ sign -5.792 ± 0.040 $\chi^2/\text{NDF}: 2939.5/59$

All: -5.816 ± 0.028 $\chi^2/\text{NDF}: 5829.8/120$

- sign -5.839 ± 0.039 $\chi^2/\text{NDF}: 2889.5/60$

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -3.459 ± 0.186 χ^2/NDF : 3771.0/34

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -5.098 ± 0.172 χ^2/NDF : 5602.2/37

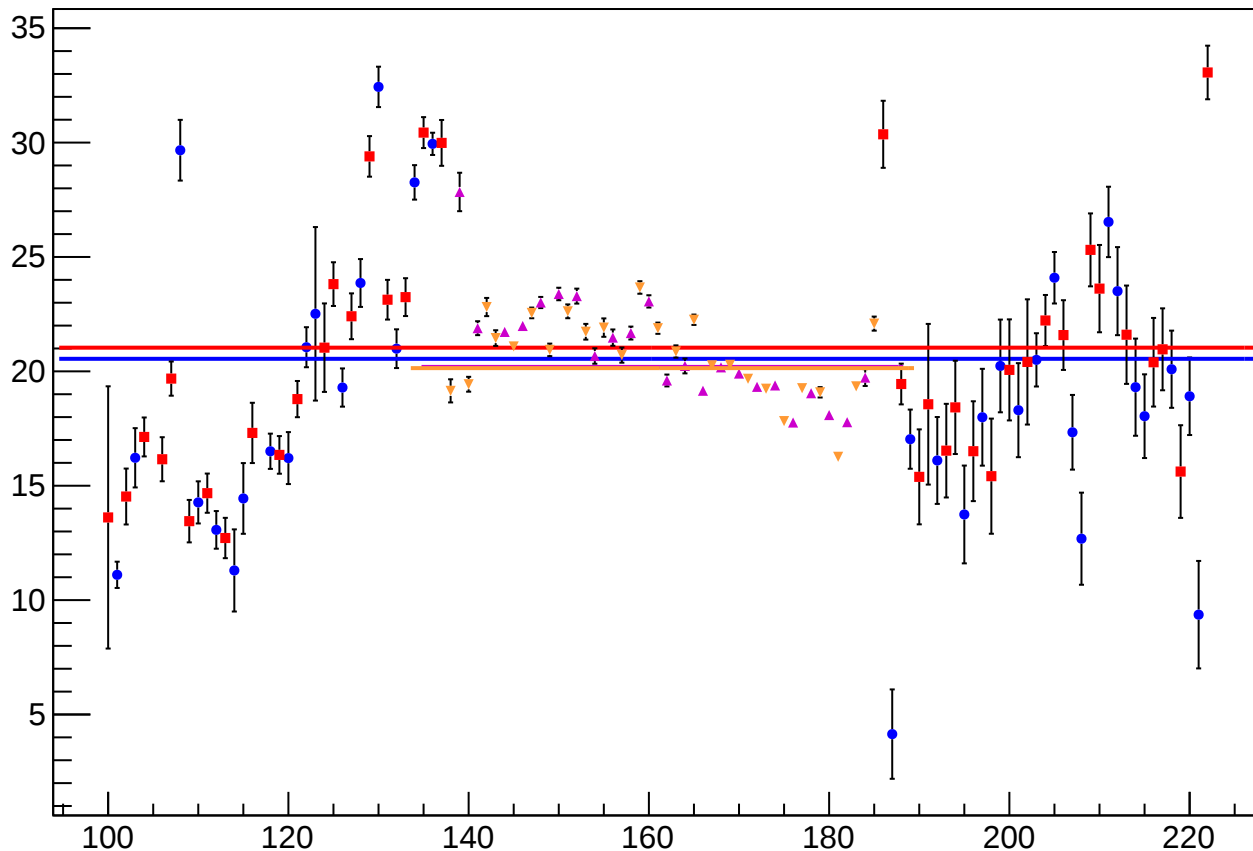
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -2.189 ± 0.050 χ^2/NDF : 20126.6/59

All: -2.213 ± 0.035 χ^2/NDF : 41414.4/120

- sign -2.236 ± 0.049 χ^2/NDF : 21287.3/60

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.548 $\pm$ 0.187 χ^2 /NDF: 1383.5/34

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 21.035 $\pm$ 0.186 χ^2 /NDF: 915.1/37

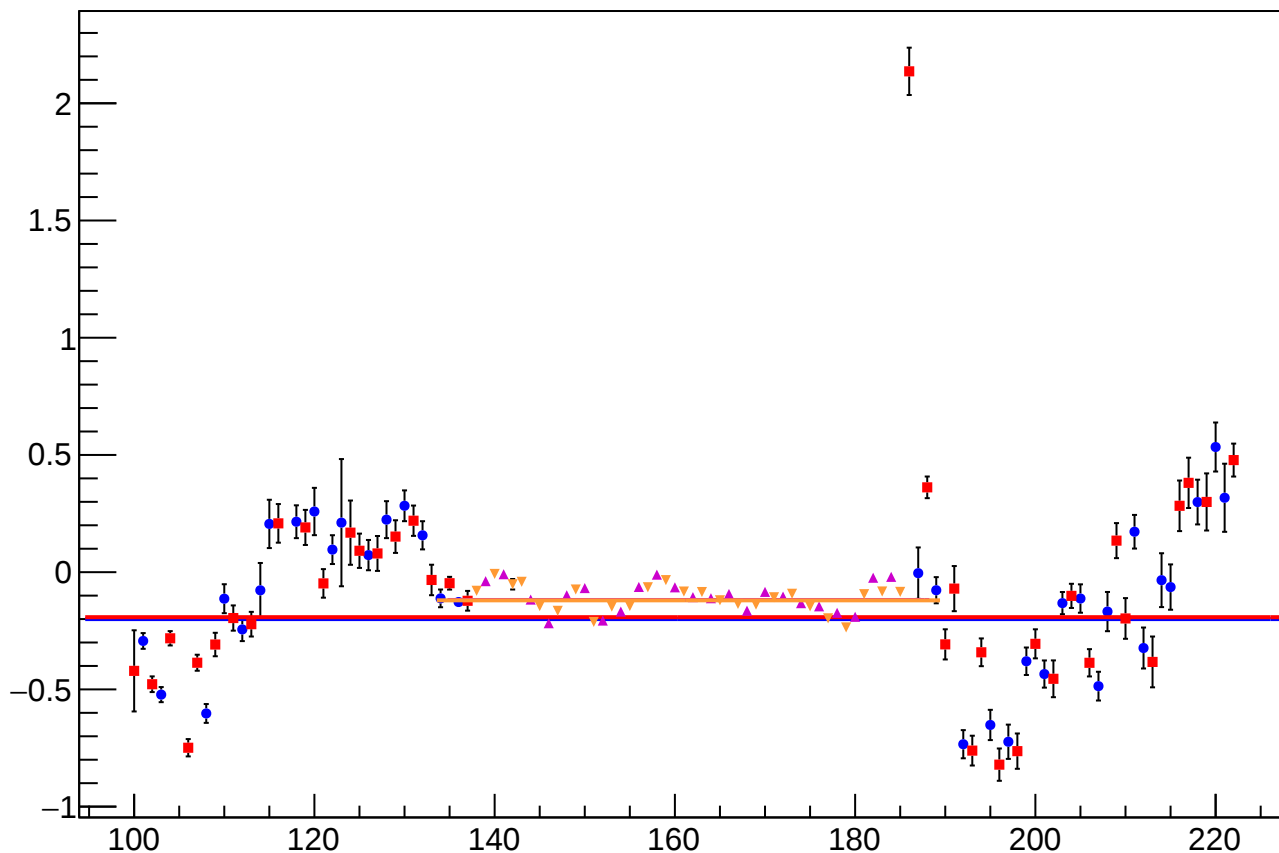
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.164 $\pm$ 0.045 χ^2 /NDF: 2807.1/59

All: 20.203 $\pm$ 0.032 χ^2 /NDF: 5190.5/120

- sign 20.242 $\pm$ 0.045 χ^2 /NDF: 2381.8/60

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.200 ± 0.009 χ^2/NDF : 825.1/34

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.192 ± 0.009 χ^2/NDF : 1655.6/37

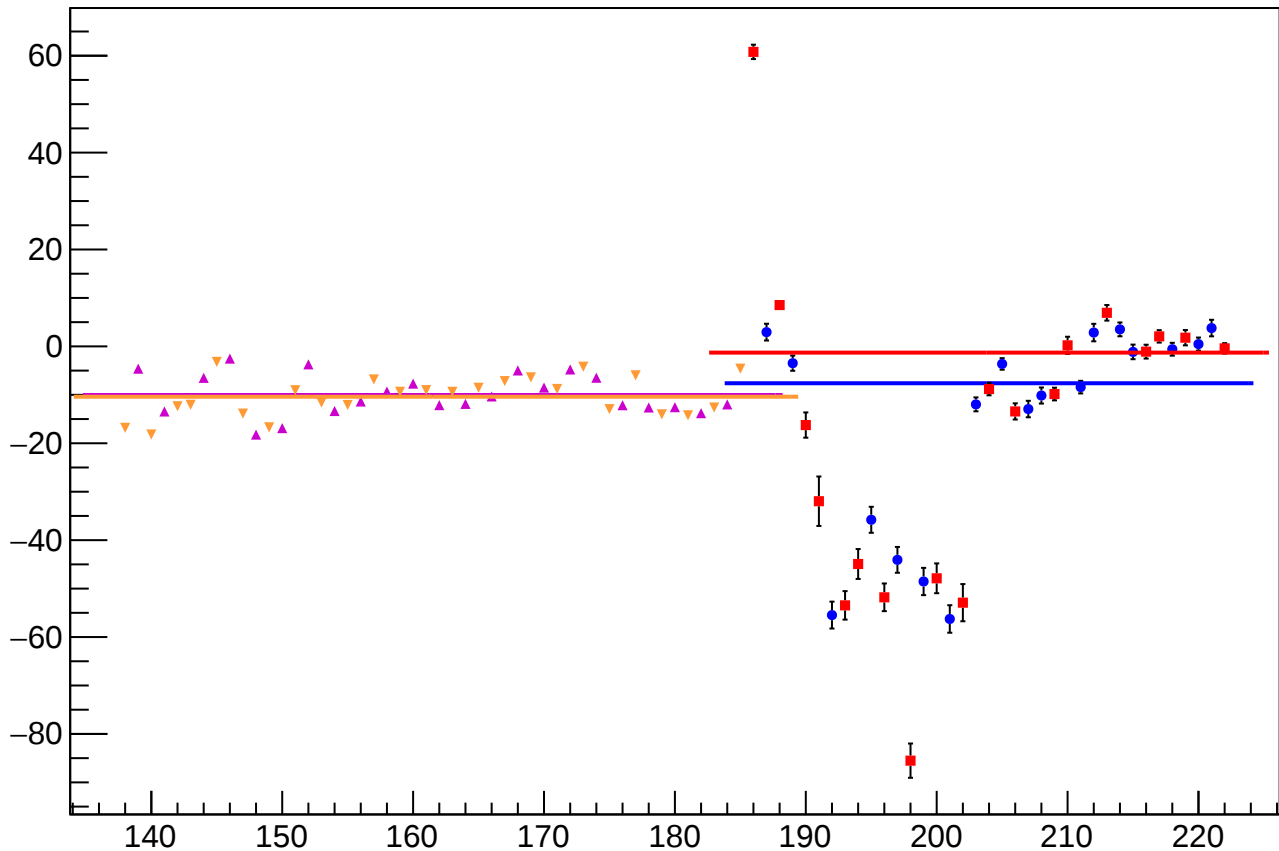
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.124 ± 0.002 χ^2/NDF : 1425.7/59

All: -0.123 ± 0.001 χ^2/NDF : 3865.1/120

- sign -0.122 ± 0.002 χ^2/NDF : 2439.1/60

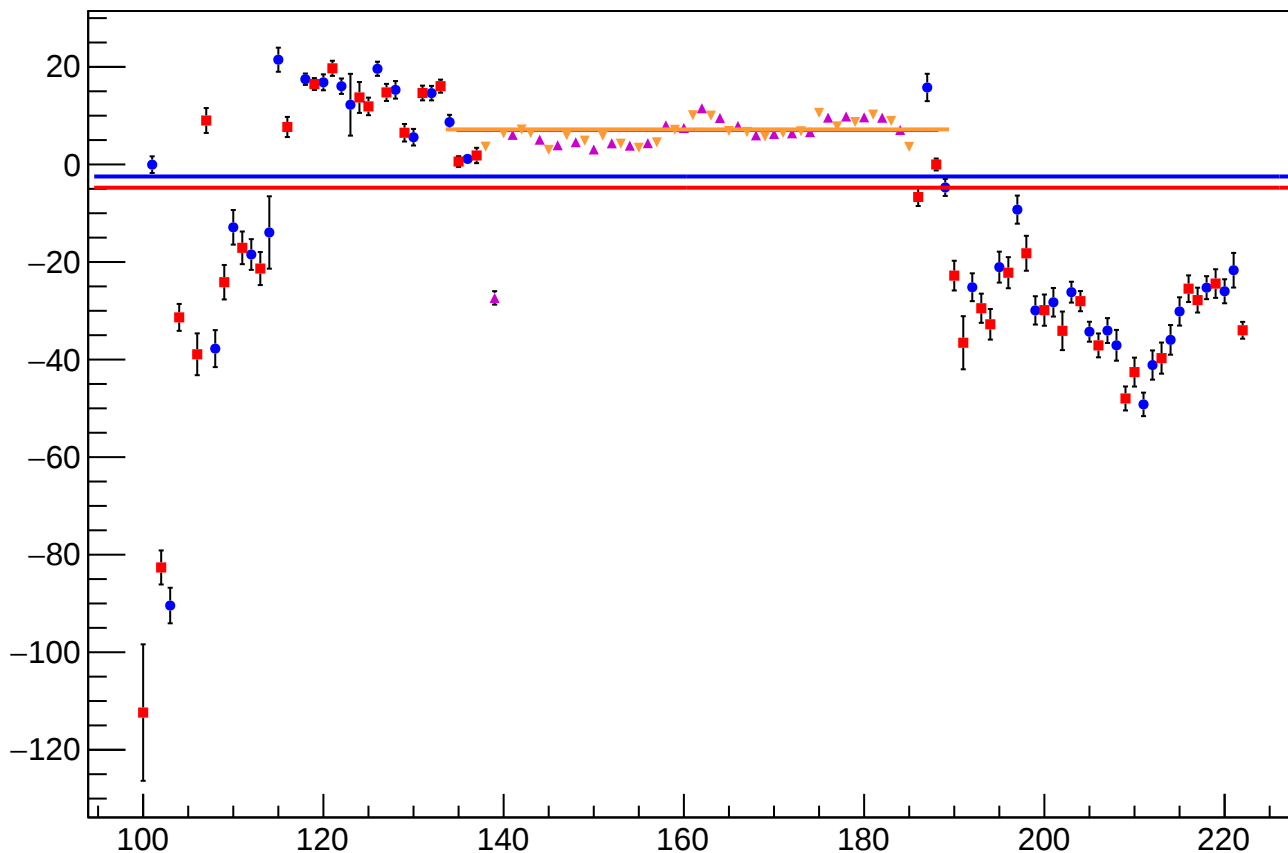
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -7.609 ± 0.390 $\chi^2/\text{NDF}: 1397.6/17$
 Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$
 Right Out: -1.285 ± 0.373 $\chi^2/\text{NDF}: 3915.0/18$
 Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

+ sign -10.256 ± 0.086 $\chi^2/\text{NDF}: 3557.7/42$
 All: -9.913 ± 0.061 $\chi^2/\text{NDF}: 9784.7/84$
 - sign -9.559 ± 0.087 $\chi^2/\text{NDF}: 6194.4/41$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -2.464 ± 0.339 χ^2/NDF : 3860.8/34

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: -4.764 ± 0.344 χ^2/NDF : 3889.9/37

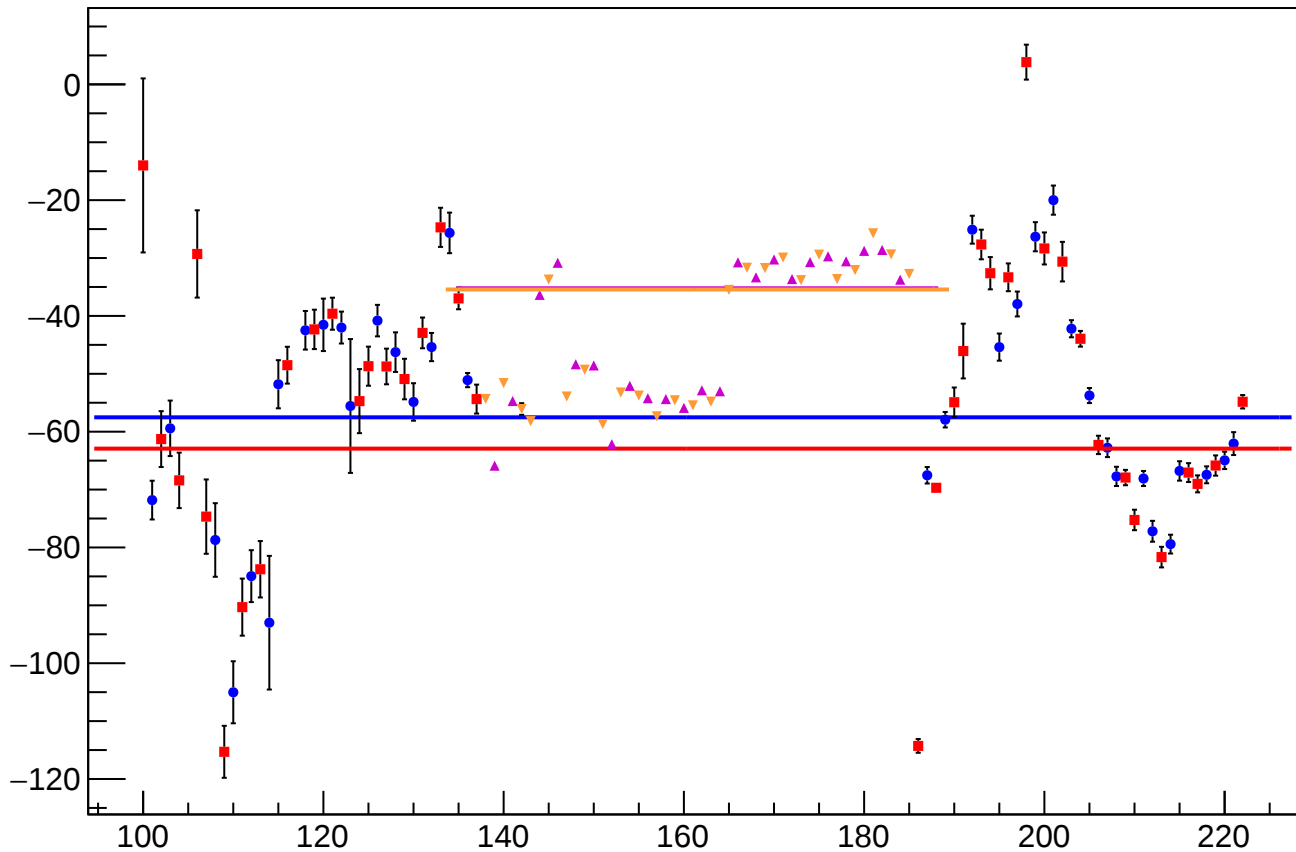
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 6.750 ± 0.072 χ^2/NDF : 5553.2/59

All: 6.640 ± 0.051 χ^2/NDF : 12113.4/120

- sign 6.526 ± 0.073 χ^2/NDF : 6555.4/60

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -57.519 ± 0.346 χ^2/NDF : 1757.4/34

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -62.926 ± 0.326 χ^2/NDF : 4415.2/37

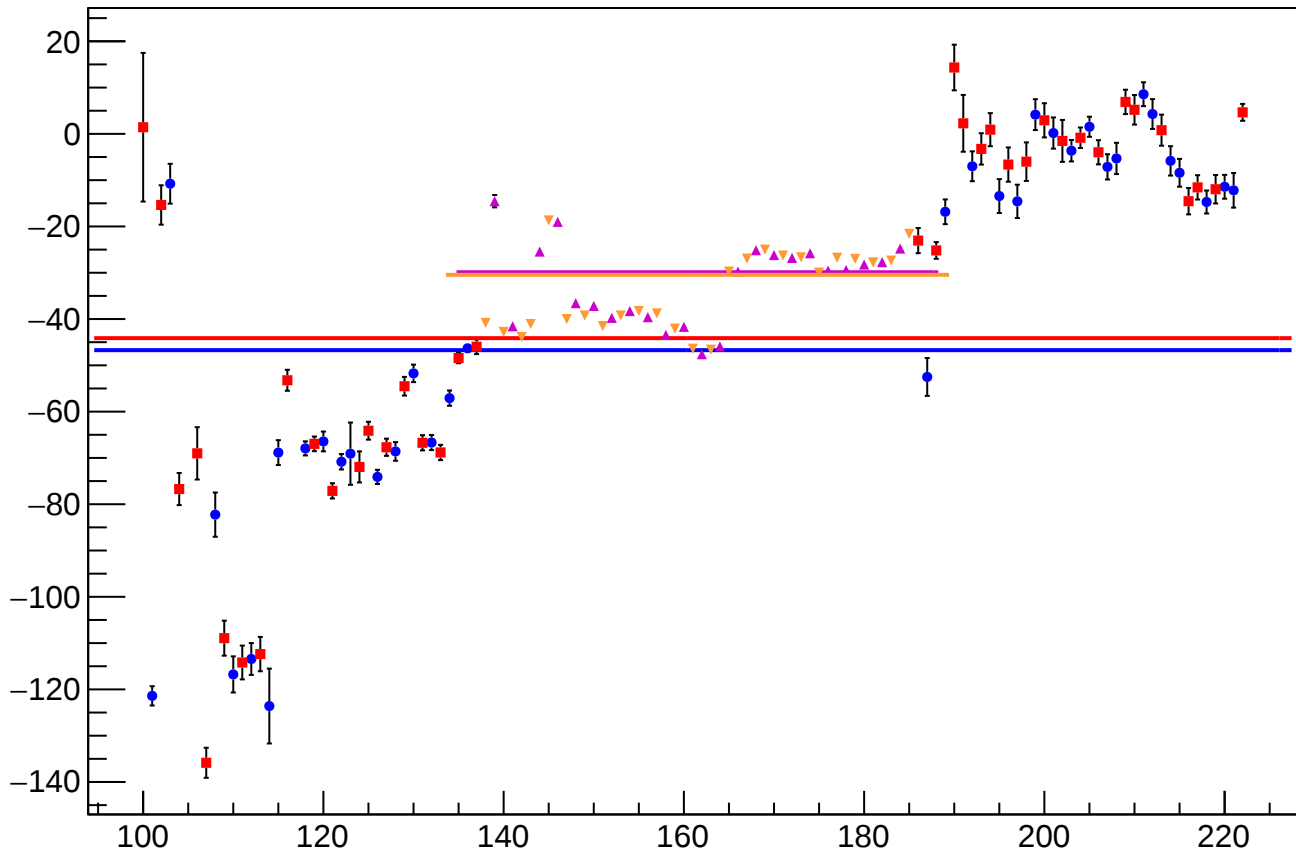
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -36.804 ± 0.086 χ^2/NDF : 18358.1/59

All: -36.996 ± 0.061 χ^2/NDF : 41077.5/120

- sign -37.190 ± 0.087 χ^2/NDF : 22709.4/60

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -46.723 ± 0.377 χ^2/NDF : 6952.1/34

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -44.127 ± 0.391 χ^2/NDF : 6989.6/37

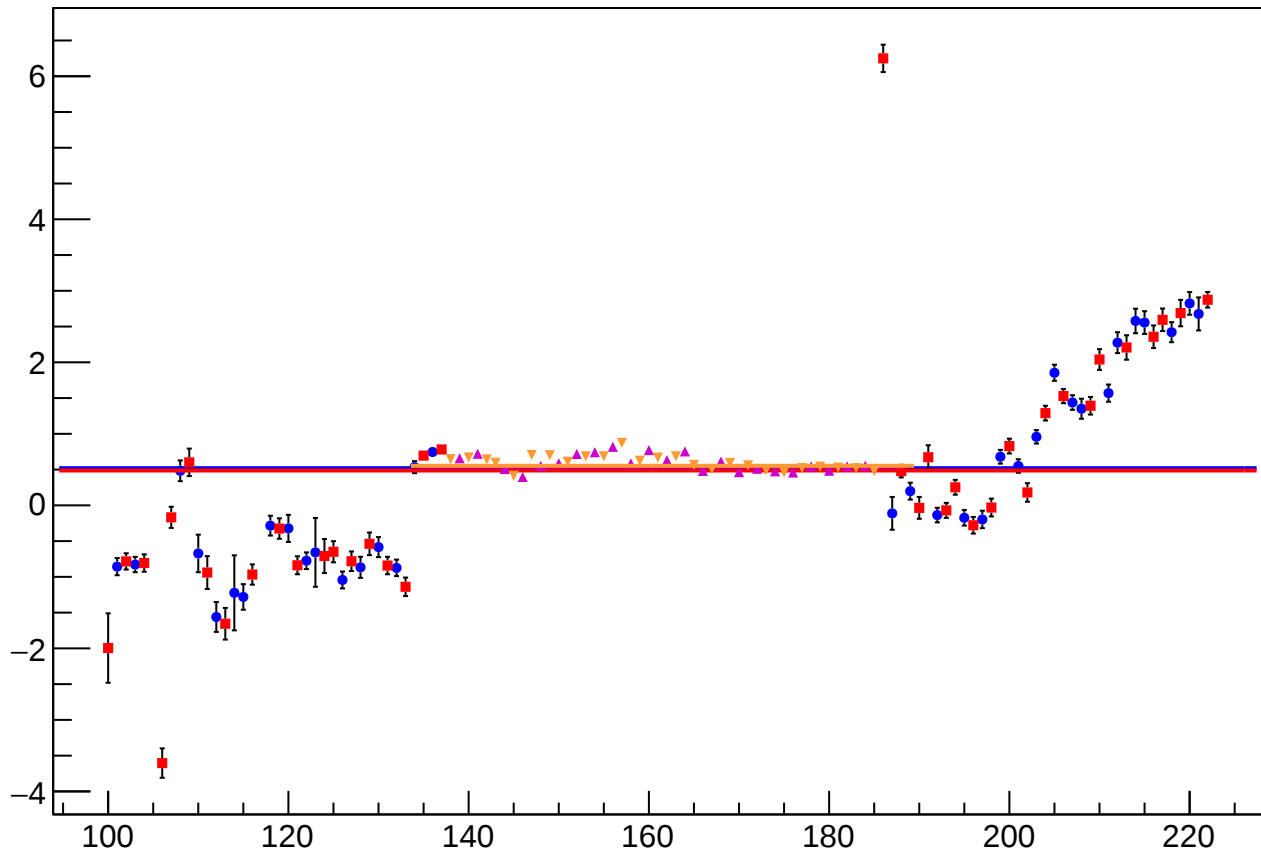
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.176 ± 0.080 χ^2/NDF : 16902.3/59

All: -30.843 ± 0.057 χ^2/NDF : 32313.9/120

- sign -30.501 ± 0.081 χ^2/NDF : 15376.3/60

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.520 ± 0.019 χ^2/NDF : 2641.8/34

Left Out: 0.553 ± 0.004 χ^2/NDF : 542.1/24

Right Out: 0.487 ± 0.019 χ^2/NDF : 3995.0/37

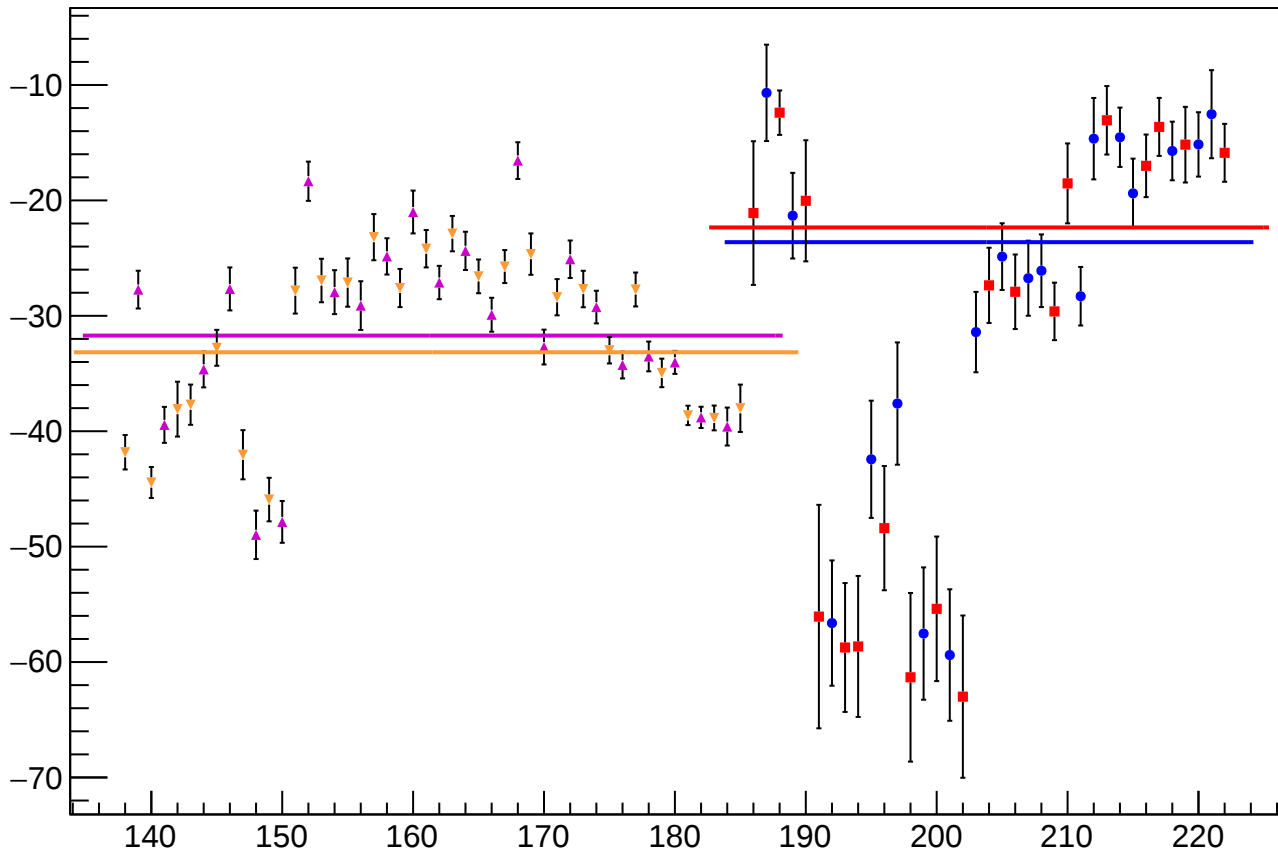
Left In: 0.544 ± 0.004 χ^2/NDF : 655.9/22

+ sign 0.552 ± 0.004 χ^2/NDF : 3187.0/59

All: 0.547 ± 0.003 χ^2/NDF : 7849.7/120

- sign 0.542 ± 0.004 χ^2/NDF : 4659.1/60

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -23.618 ± 0.804 χ^2/NDF : 200.5/17

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -22.344 ± 0.792 χ^2/NDF : 282.2/18

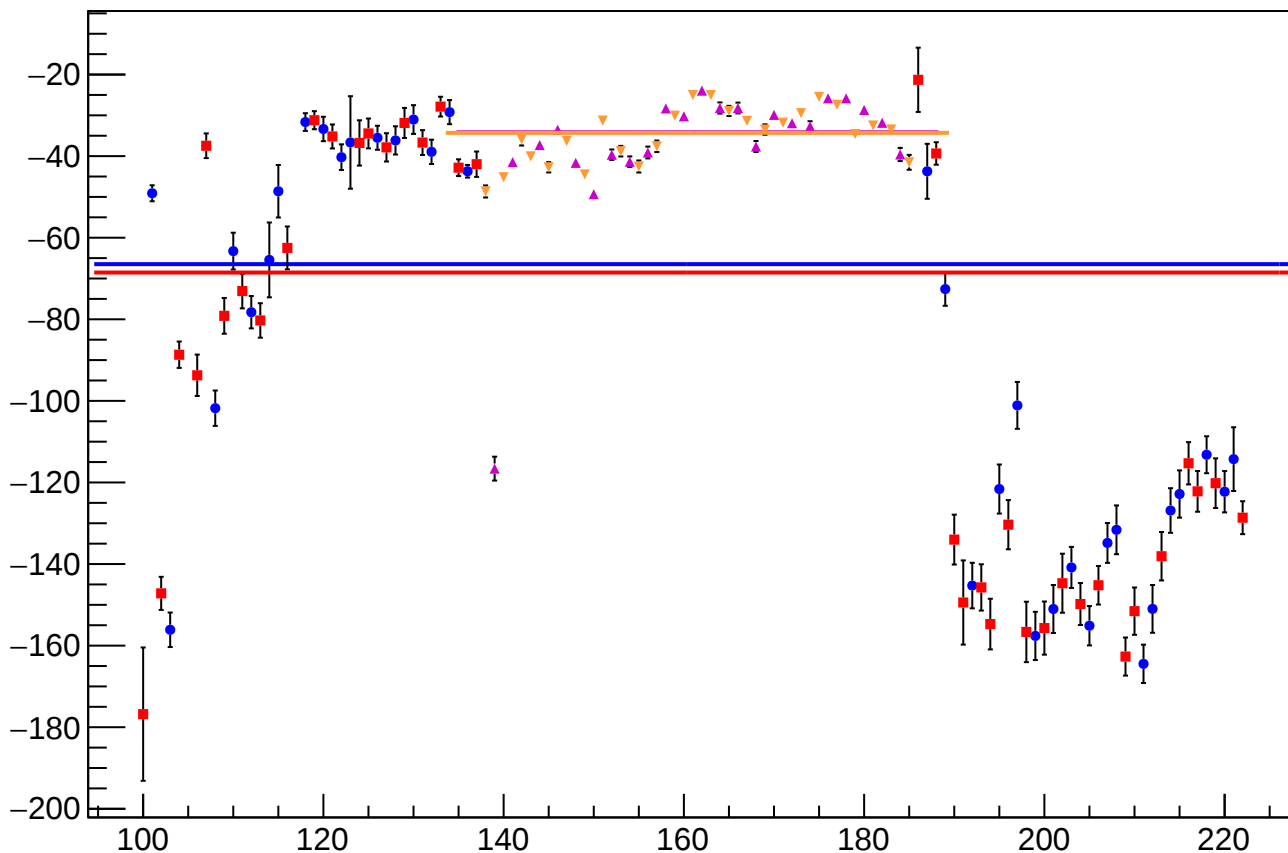
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -31.990 ± 0.281 χ^2/NDF : 824.1/42

All: -31.250 ± 0.201 χ^2/NDF : 1784.3/84

- sign -30.476 ± 0.288 χ^2/NDF : 946.1/41

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -66.479 ± 0.633 $\chi^2/\text{NDF}: 4590.3/34$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -68.534 ± 0.646 $\chi^2/\text{NDF}: 4927.4/37$

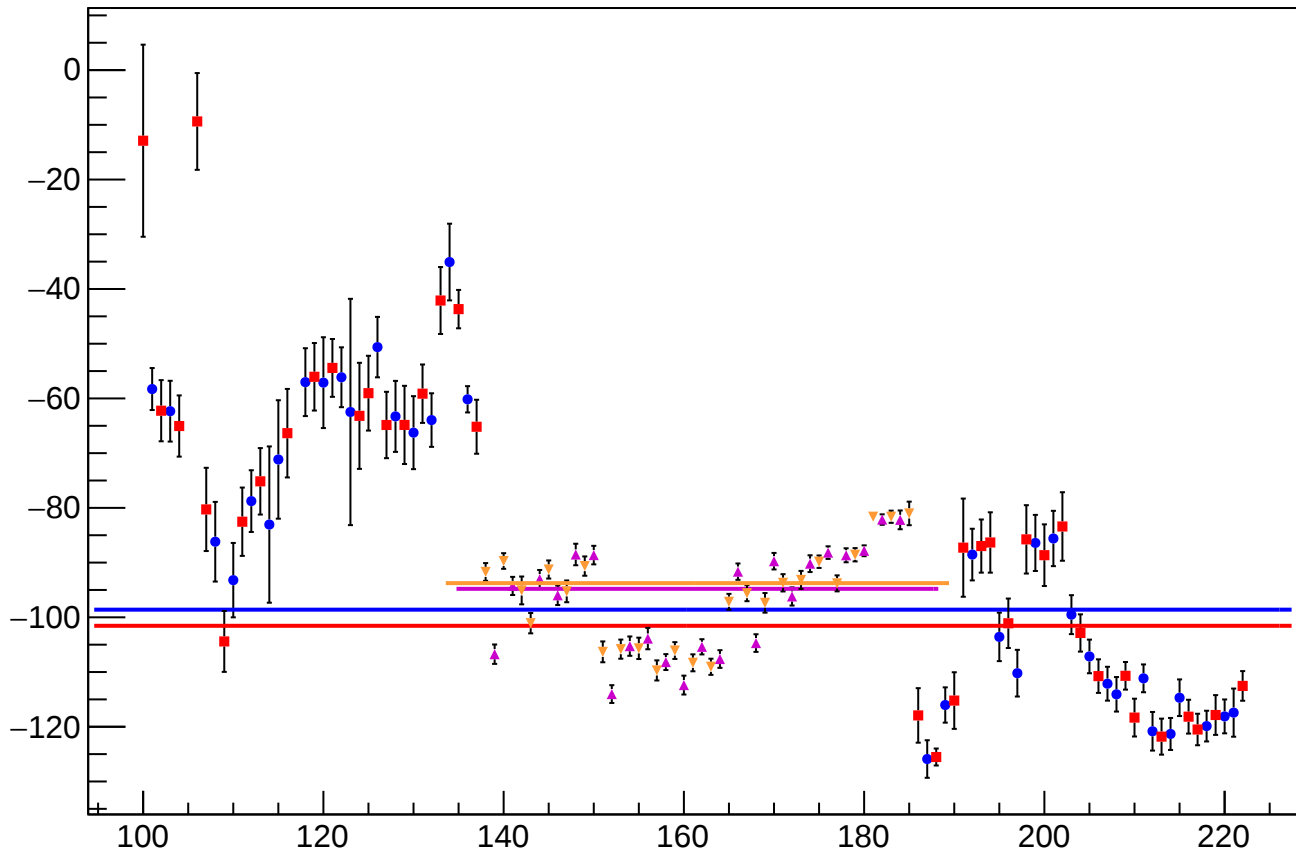
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -38.379 ± 0.226 $\chi^2/\text{NDF}: 7544.7/59$

All: -38.507 ± 0.162 $\chi^2/\text{NDF}: 16384.8/120$

- sign -38.644 ± 0.234 $\chi^2/\text{NDF}: 8839.5/60$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -98.601 +/- 0.690 χ^2/NDF : 1258.6/34

Left Out: -93.754 +/- 0.302 χ^2/NDF : 883.1/24

Right Out: -101.549 +/- 0.674 χ^2/NDF : 1505.5/37

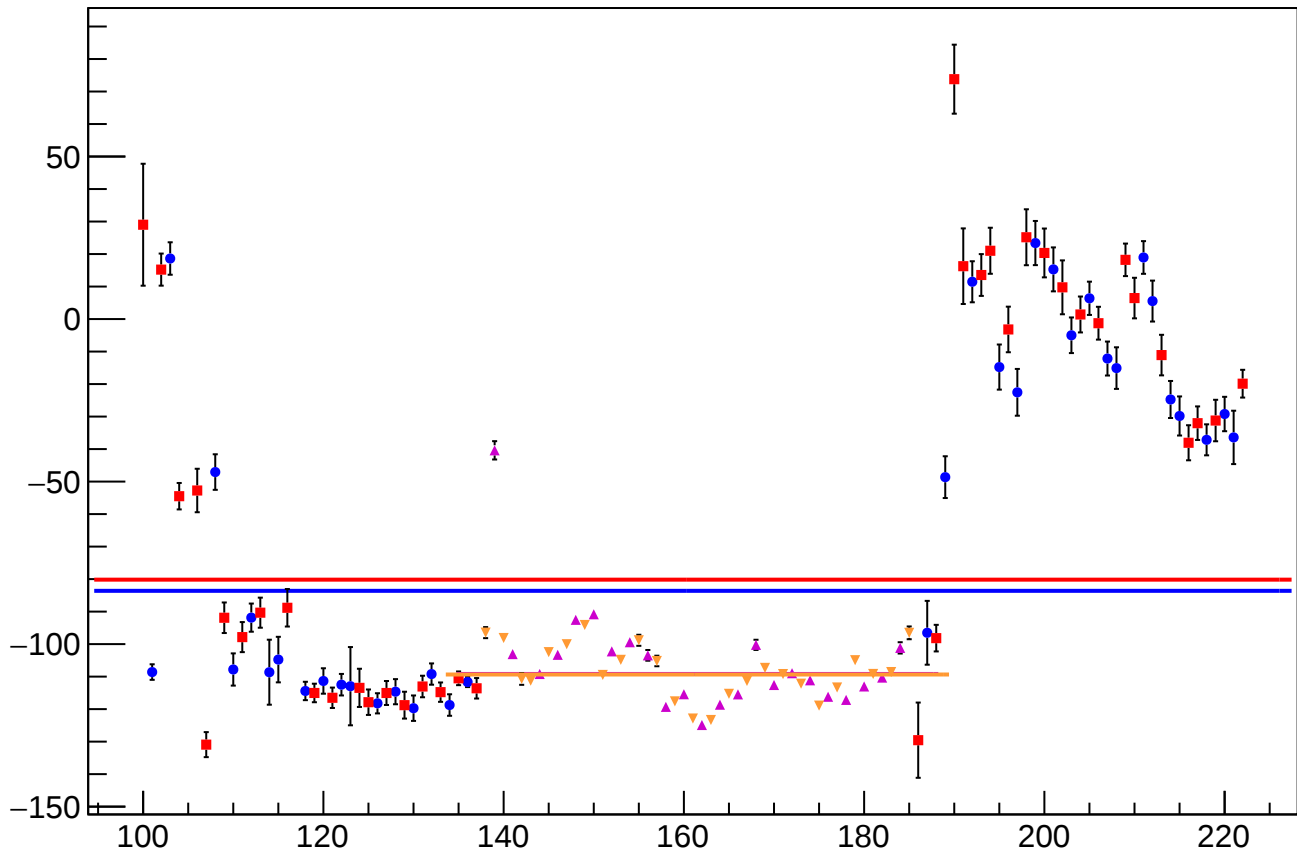
Left In: -94.796 +/- 0.308 χ^2/NDF : 974.7/22

+ sign -94.532 +/- 0.276 χ^2/NDF : 2183.1/59

All: -95.238 +/- 0.197 χ^2/NDF : 4759.5/120

- sign -95.964 +/- 0.280 χ^2/NDF : 2563.2/60

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -83.609 ± 0.709 $\chi^2/\text{NDF}: 4383.0/34$

Left Out: -109.351 ± 0.271 $\chi^2/\text{NDF}: 826.8/24$

Right Out: -80.170 ± 0.735 $\chi^2/\text{NDF}: 4675.3/37$

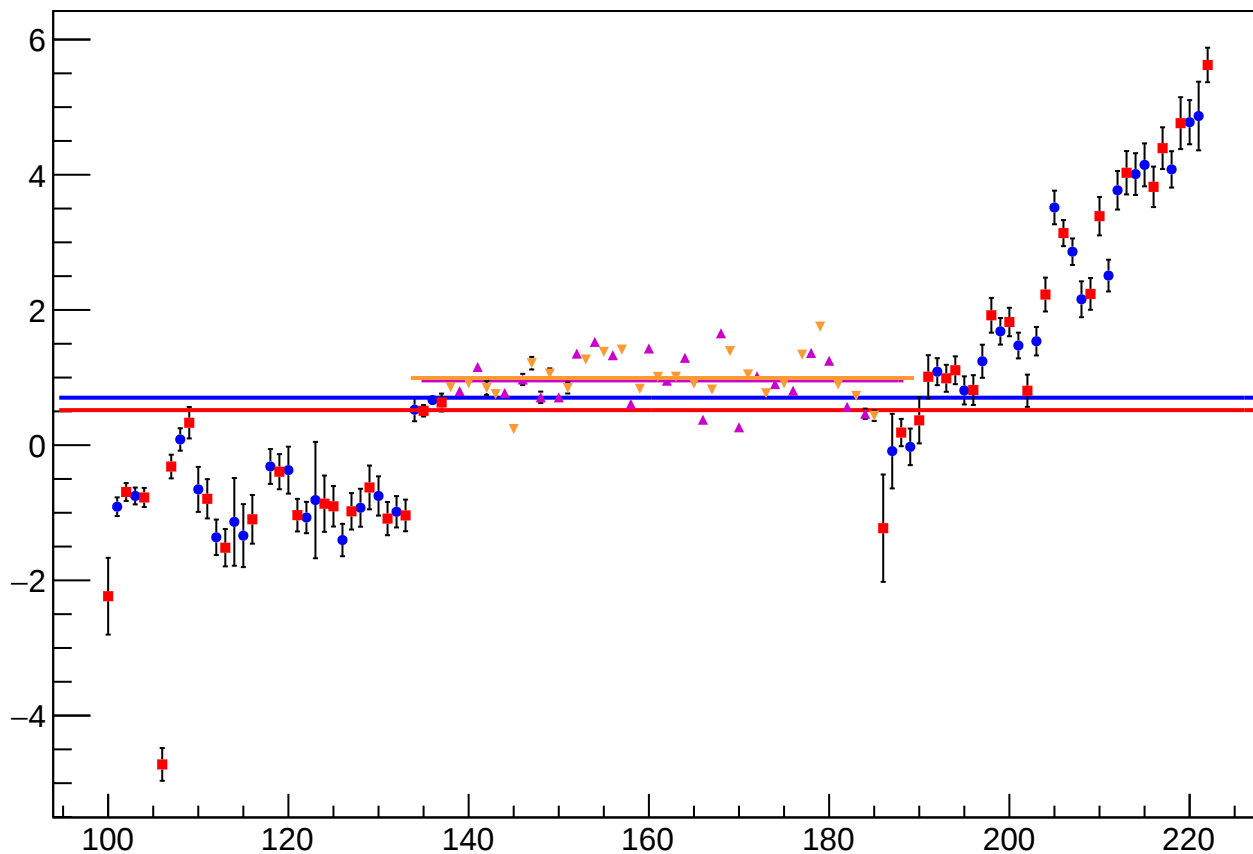
Left In: -109.184 ± 0.280 $\chi^2/\text{NDF}: 1501.1/22$

+ sign -106.068 ± 0.253 $\chi^2/\text{NDF}: 6358.7/59$

All: -105.797 ± 0.182 $\chi^2/\text{NDF}: 13899.0/120$

- sign -105.507 ± 0.262 $\chi^2/\text{NDF}: 7538.0/60$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.702 ± 0.034 $\chi^2/\text{NDF}: 1811.4/34$

Left Out: 0.993 ± 0.012 $\chi^2/\text{NDF}: 638.6/24$

Right Out: 0.518 ± 0.035 $\chi^2/\text{NDF}: 2398.1/37$

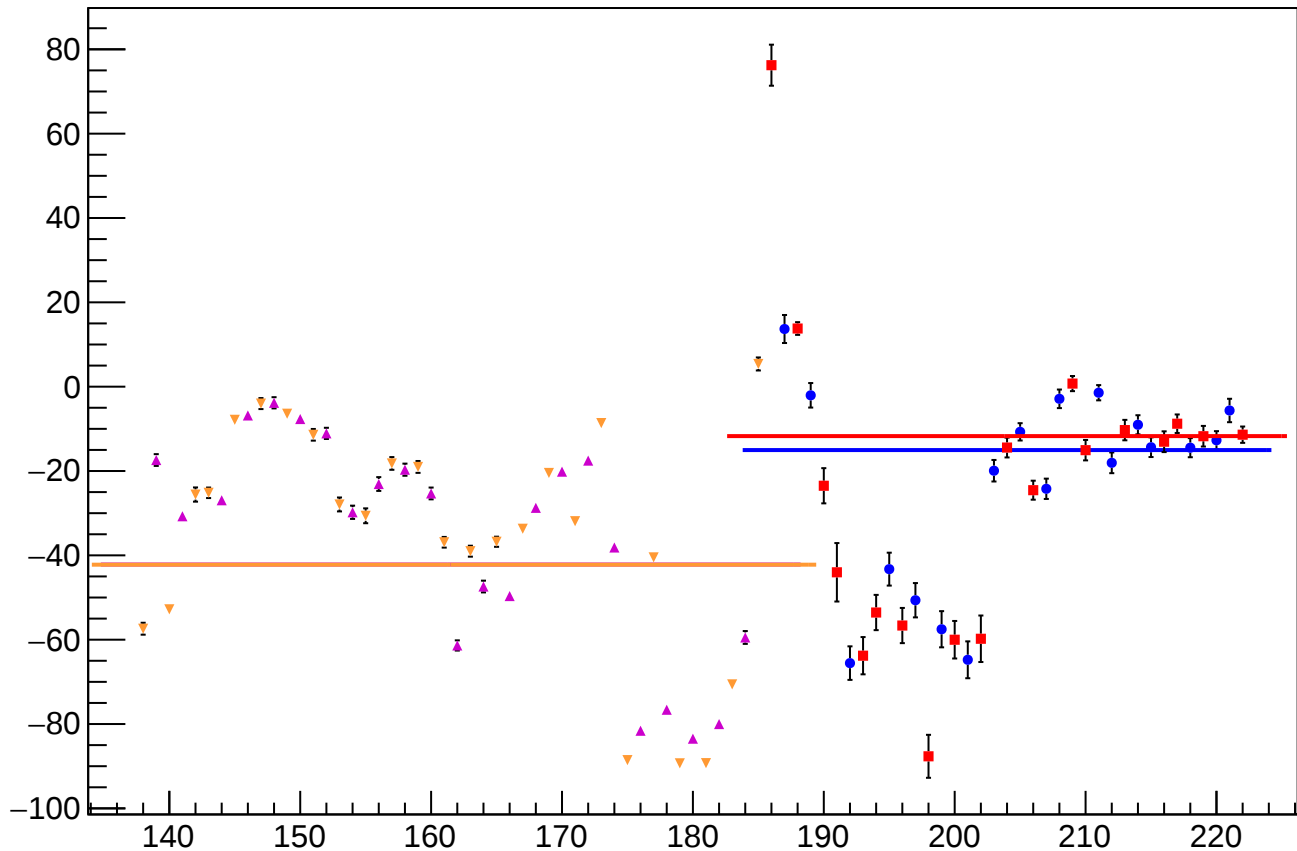
Left In: 0.958 ± 0.013 $\chi^2/\text{NDF}: 894.5/22$

+ sign 0.959 ± 0.012 $\chi^2/\text{NDF}: 2513.6/59$

All: 0.934 ± 0.008 $\chi^2/\text{NDF}: 5954.7/120$

- sign 0.907 ± 0.012 $\chi^2/\text{NDF}: 3431.4/60$

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -15.033 ± 0.613 χ^2/NDF : 743.4/17

Left Out: -42.213 ± 0.222 χ^2/NDF : 18309.1/24

Right Out: -11.722 ± 0.610 χ^2/NDF : 1499.4/18

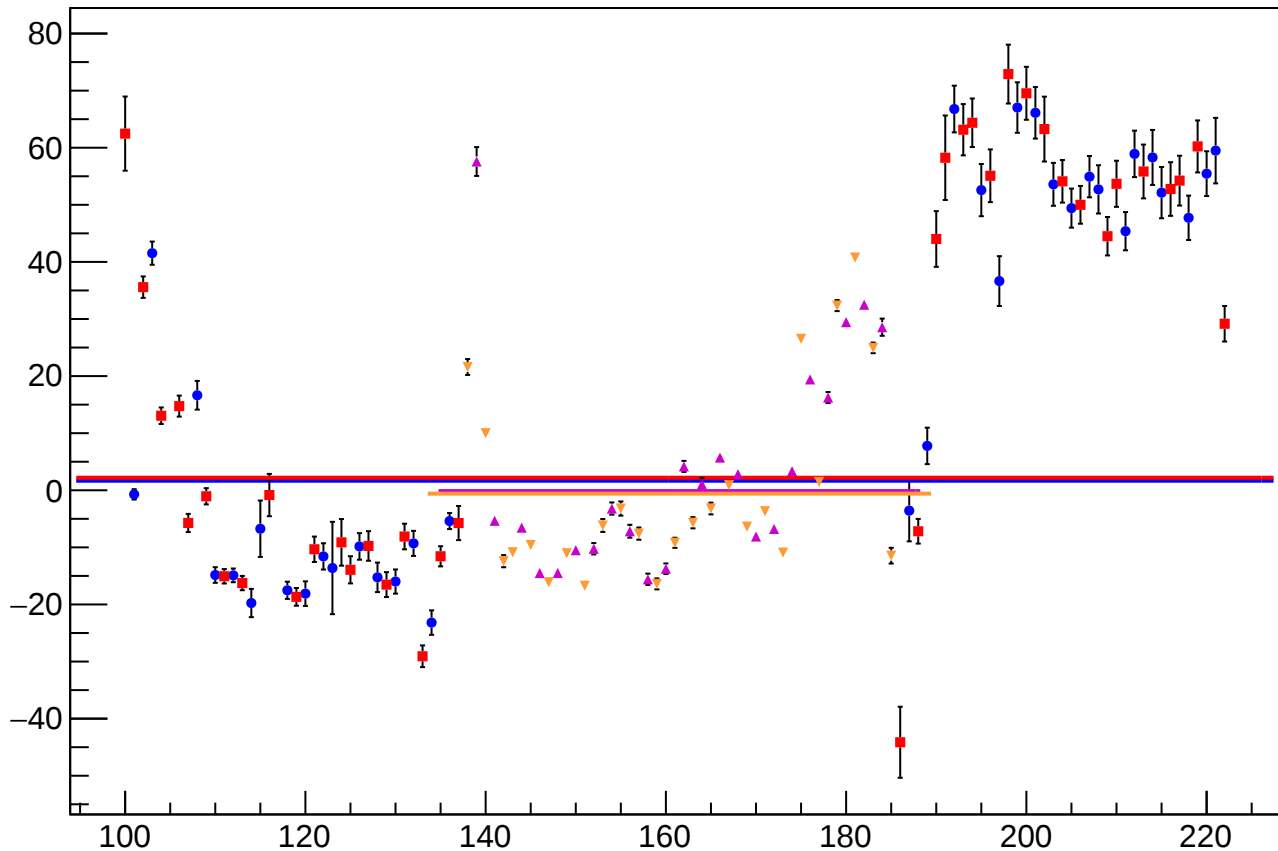
Left In: -42.176 ± 0.227 χ^2/NDF : 14575.9/22

+ sign -39.058 ± 0.209 χ^2/NDF : 20792.2/42

All: -38.771 ± 0.149 χ^2/NDF : 39058.8/84

- sign -38.472 ± 0.213 χ^2/NDF : 18262.7/41

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 1.674 ± 0.393 χ^2/NDF : 4125.2/34

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: 2.197 ± 0.389 χ^2/NDF : 4256.8/37

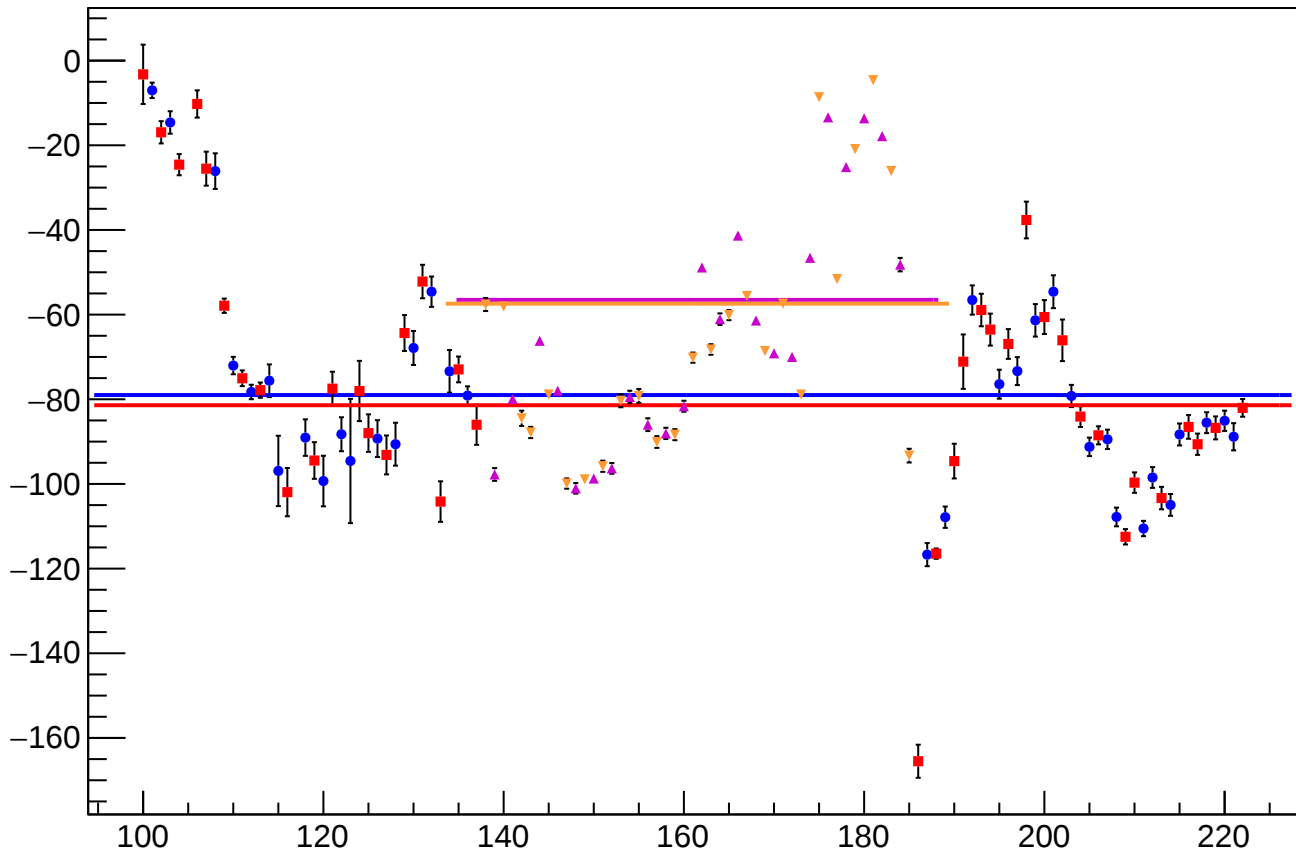
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -0.218 ± 0.159 χ^2/NDF : 12903.9/59

All: 0.020 ± 0.114 χ^2/NDF : 24057.5/120

- sign 0.267 ± 0.163 χ^2/NDF : 11149.1/60

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -79.001 ± 0.475 $\chi^2/\text{NDF}: 3579.3/34$

Left Out: -57.413 ± 0.223 $\chi^2/\text{NDF}: 18604.1/24$

Right Out: -81.405 ± 0.454 $\chi^2/\text{NDF}: 4232.0/37$

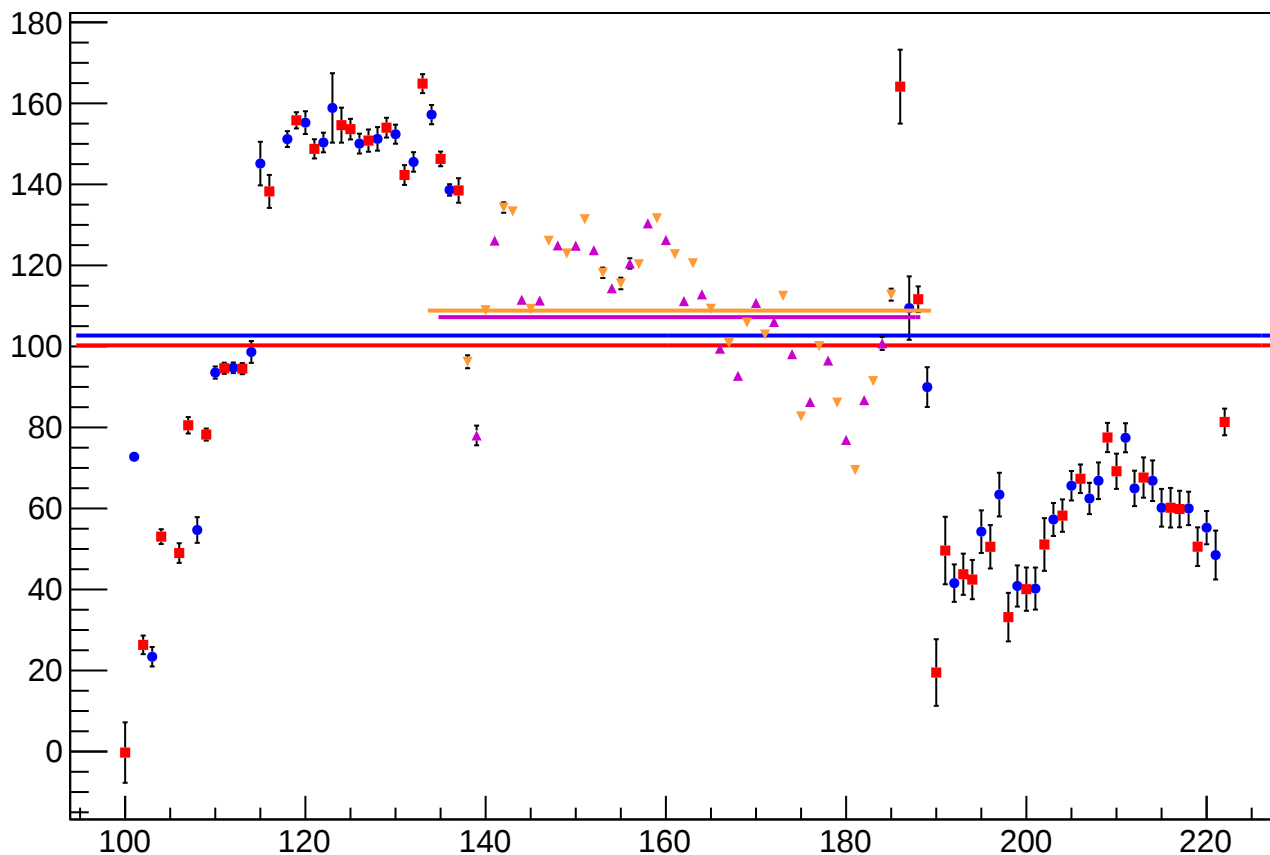
Left In: -56.519 ± 0.227 $\chi^2/\text{NDF}: 16352.6/22$

+ sign -61.320 ± 0.202 $\chi^2/\text{NDF}: 23876.4/59$

All: -61.412 ± 0.143 $\chi^2/\text{NDF}: 46868.4/120$

- sign -61.505 ± 0.203 $\chi^2/\text{NDF}: 22991.6/60$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 102.688 $\pm$ 0.446 χ^2 /NDF: 7753.1/34

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 100.261 $\pm$ 0.444 χ^2 /NDF: 8721.8/37

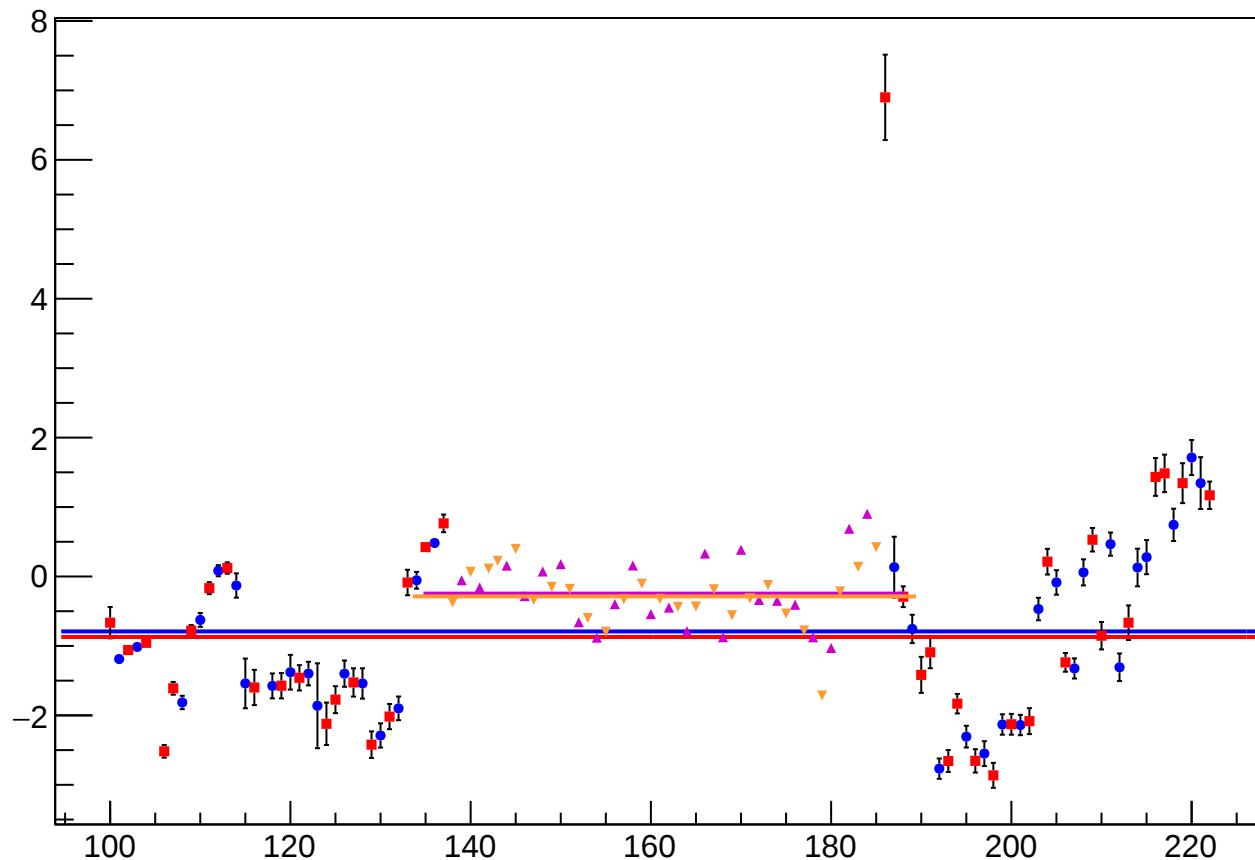
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 107.838 $\pm$ 0.180 χ^2 /NDF: 15312.9/59

All: 106.950 $\pm$ 0.129 χ^2 /NDF: 29853.3/120

- sign 106.026 $\pm$ 0.184 χ^2 /NDF: 14491.0/60

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.791 ± 0.022 χ^2/NDF : 1870.8/34

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.871 ± 0.021 χ^2/NDF : 2435.3/37

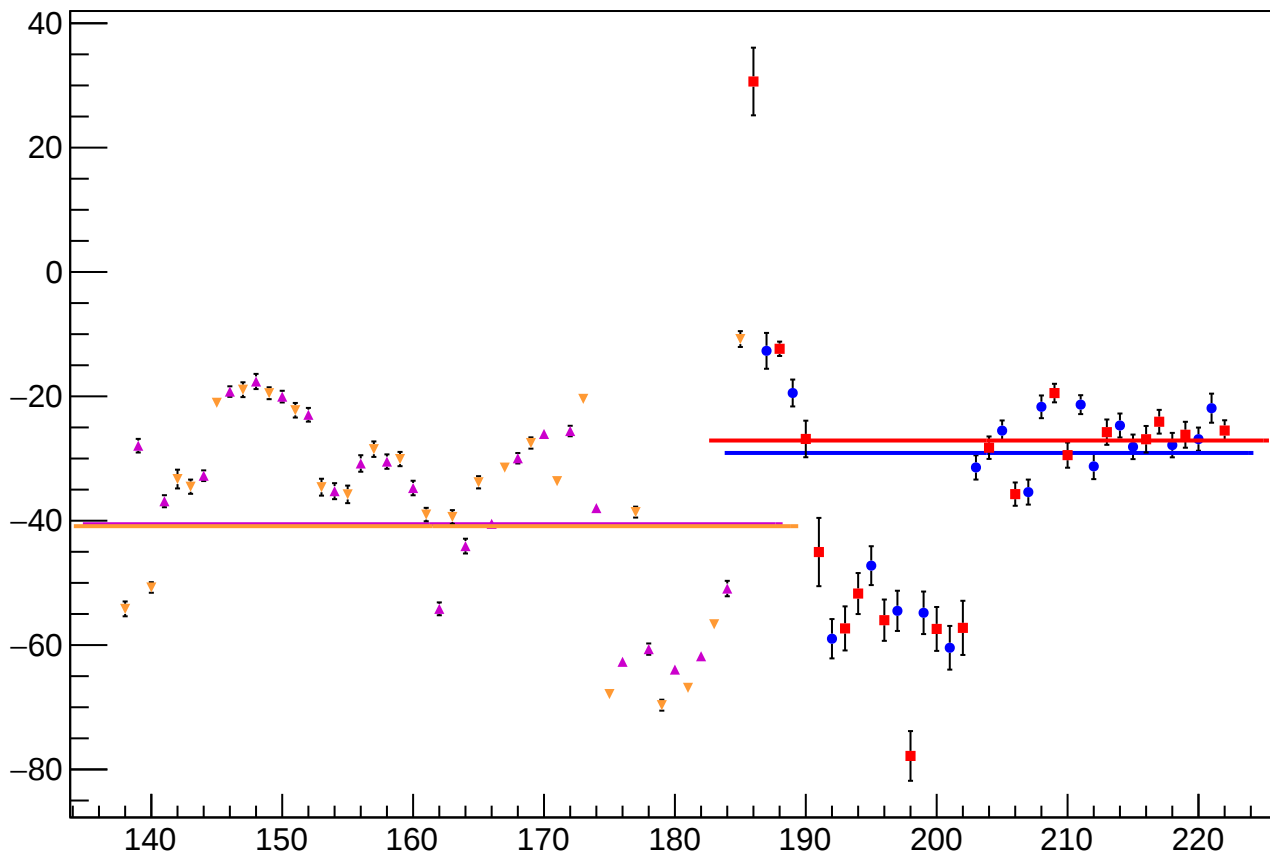
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.359 ± 0.008 χ^2/NDF : 4363.4/59

All: -0.353 ± 0.006 χ^2/NDF : 10319.9/120

- sign -0.346 ± 0.008 χ^2/NDF : 5955.4/60

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -29.103 ± 0.506 $\chi^2/\text{NDF}: 449.4/17$

Left Out: -40.880 ± 0.186 $\chi^2/\text{NDF}: 9123.2/24$

Right Out: -27.102 ± 0.500 $\chi^2/\text{NDF}: 826.2/18$

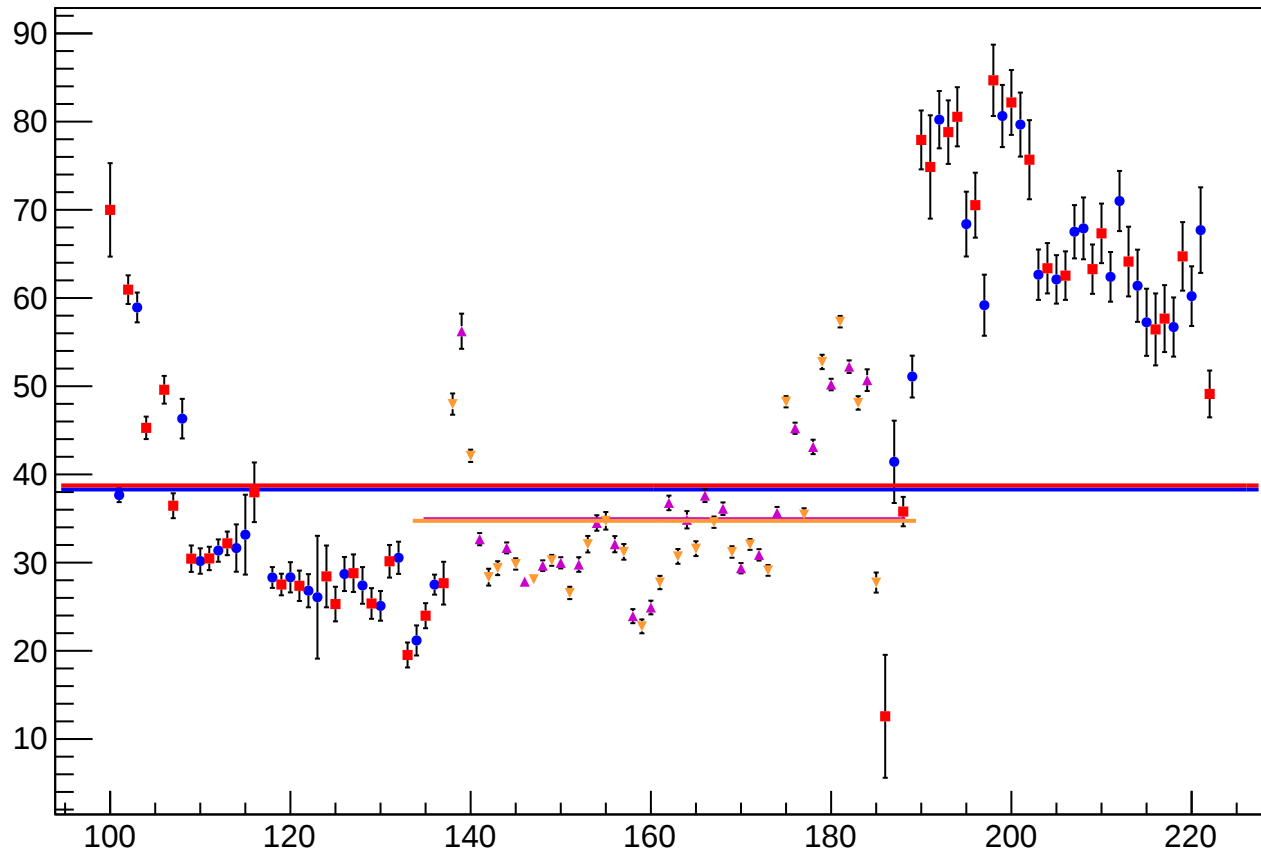
Left In: -40.567 ± 0.190 $\chi^2/\text{NDF}: 6954.7/22$

+ sign -39.476 ± 0.175 $\chi^2/\text{NDF}: 10049.8/42$

All: -39.177 ± 0.125 $\chi^2/\text{NDF}: 18471.0/84$

- sign -38.868 ± 0.178 $\chi^2/\text{NDF}: 8415.3/41$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 38.293 $\pm$ 0.339 χ^2 /NDF: 1916.8/34

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF:3693.2/24

Right Out: 38.751 $\pm$ 0.338 χ^2 /NDF: 2316.7/37

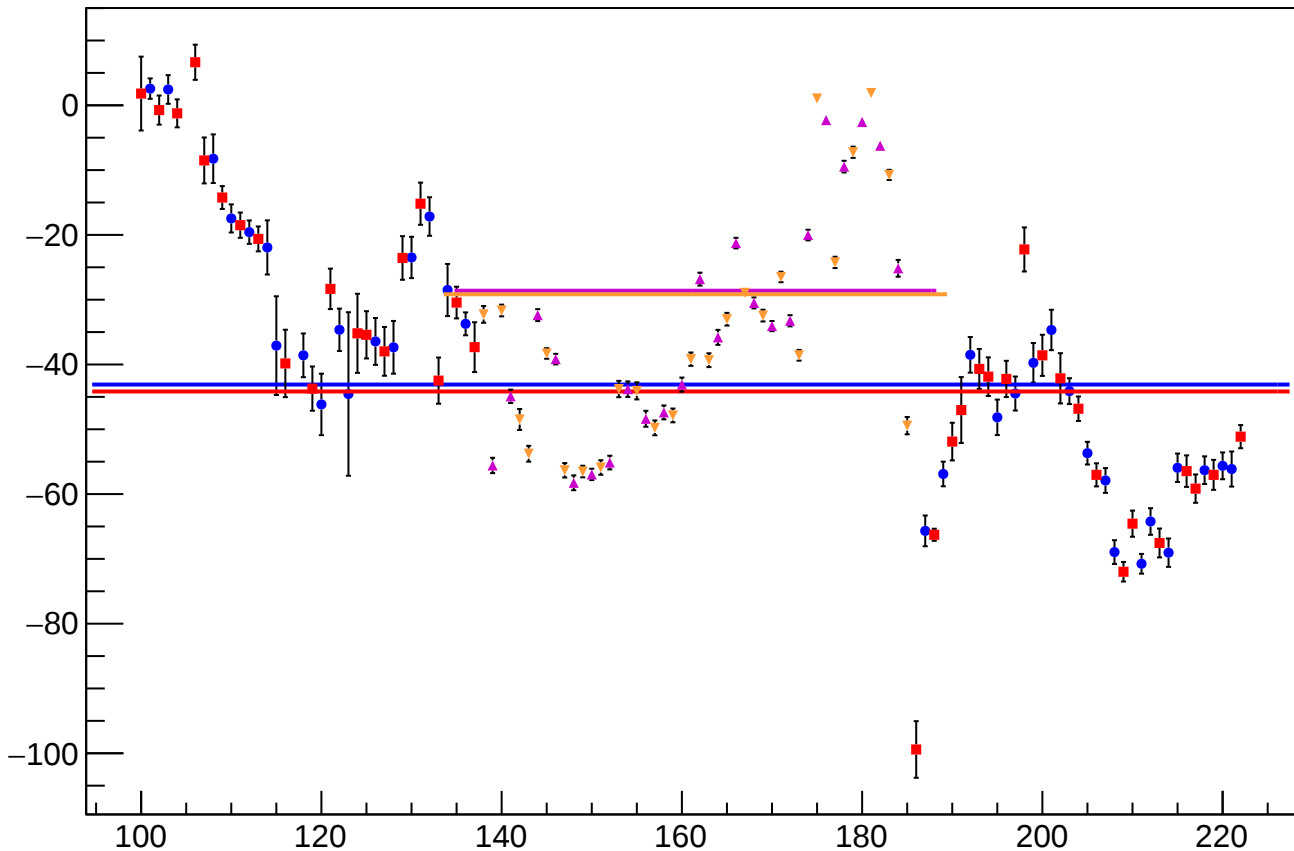
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF:2672.9/22

+ sign 35.306 $\pm$ 0.135 χ^2 /NDF: 5702.3/59

All: 35.432 $\pm$ 0.097 χ^2 /NDF: 10800.5/120

- sign 35.563 $\pm$ 0.138 χ^2 /NDF: 5096.4/60

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -43.096 ± 0.404 $\chi^2/\text{NDF}: 3021.0/34$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -44.168 ± 0.386 $\chi^2/\text{NDF}: 3584.5/37$

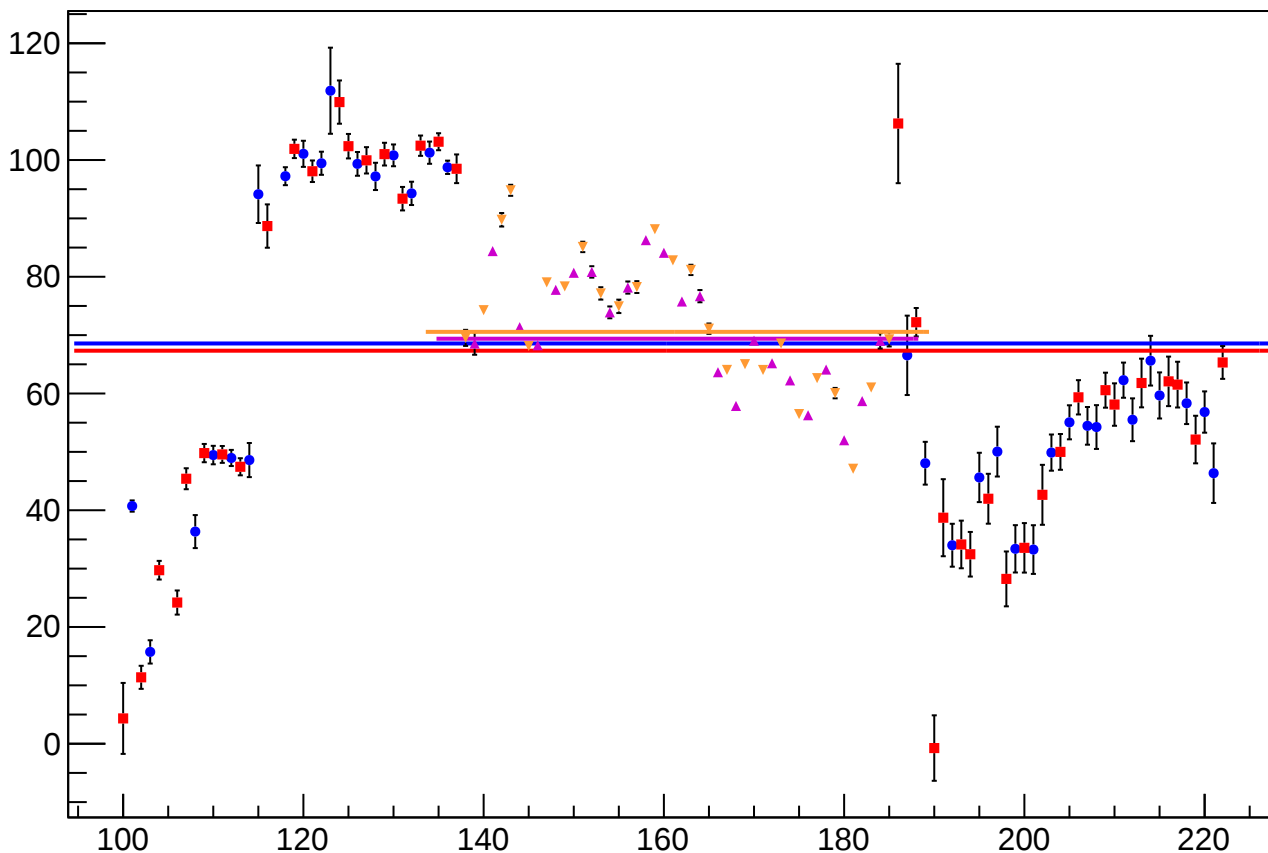
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -31.623 ± 0.170 $\chi^2/\text{NDF}: 14127.2/59$

All: -31.635 ± 0.120 $\chi^2/\text{NDF}: 28060.8/120$

- sign -31.647 ± 0.170 $\chi^2/\text{NDF}: 13933.6/60$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 68.571 ± 0.386 $\chi^2/\text{NDF}: 5224.7/34$

Left Out: 70.563 ± 0.166 $\chi^2/\text{NDF}: 4589.1/24$

Right Out: 67.334 ± 0.388 $\chi^2/\text{NDF}: 6153.9/37$

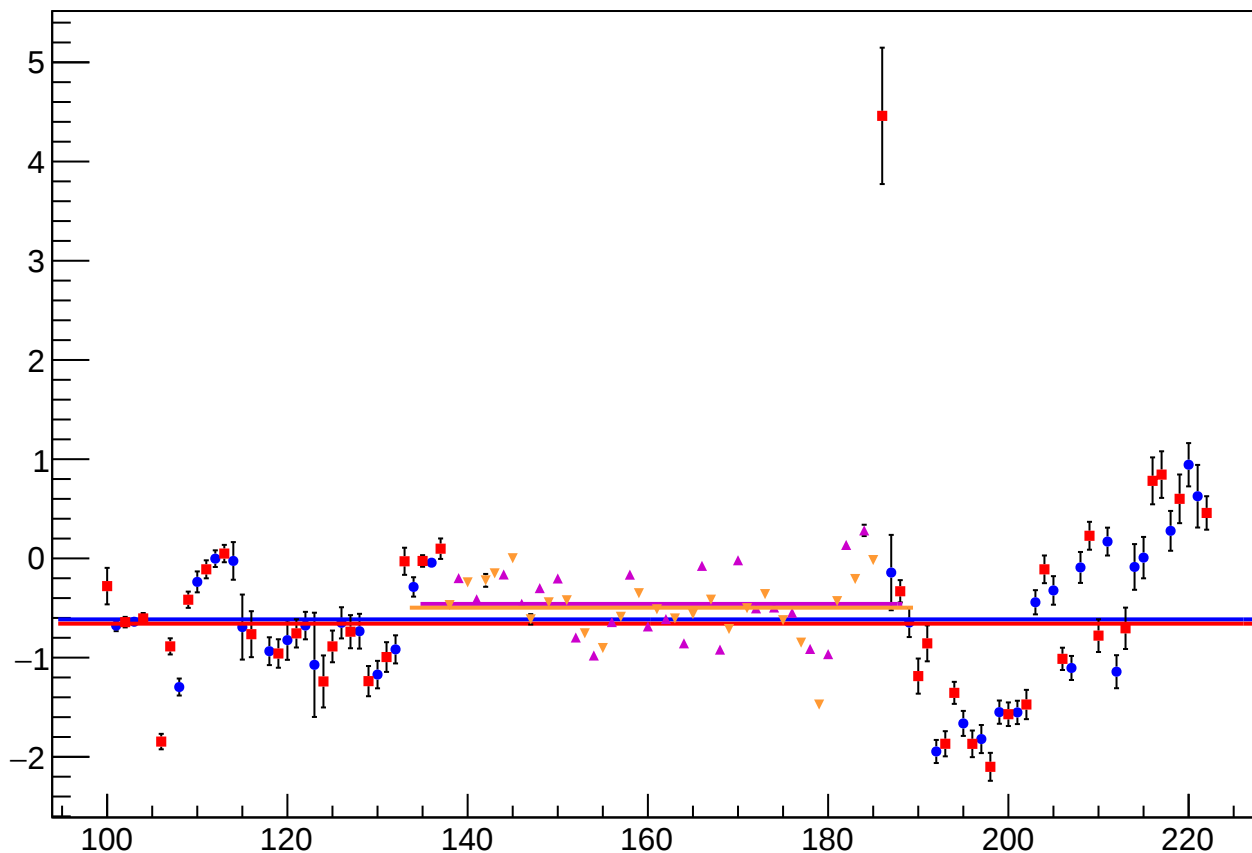
Left In: 69.387 ± 0.170 $\chi^2/\text{NDF}: 3321.8/22$

+ sign 70.251 ± 0.153 $\chi^2/\text{NDF}: 9836.3/59$

All: 69.666 ± 0.109 $\chi^2/\text{NDF}: 19365.5/120$

- sign 69.055 ± 0.156 $\chi^2/\text{NDF}: 9499.3/60$

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.615 ± 0.019 χ^2/NDF : 906.0/34

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.658 ± 0.018 χ^2/NDF : 1274.3/37

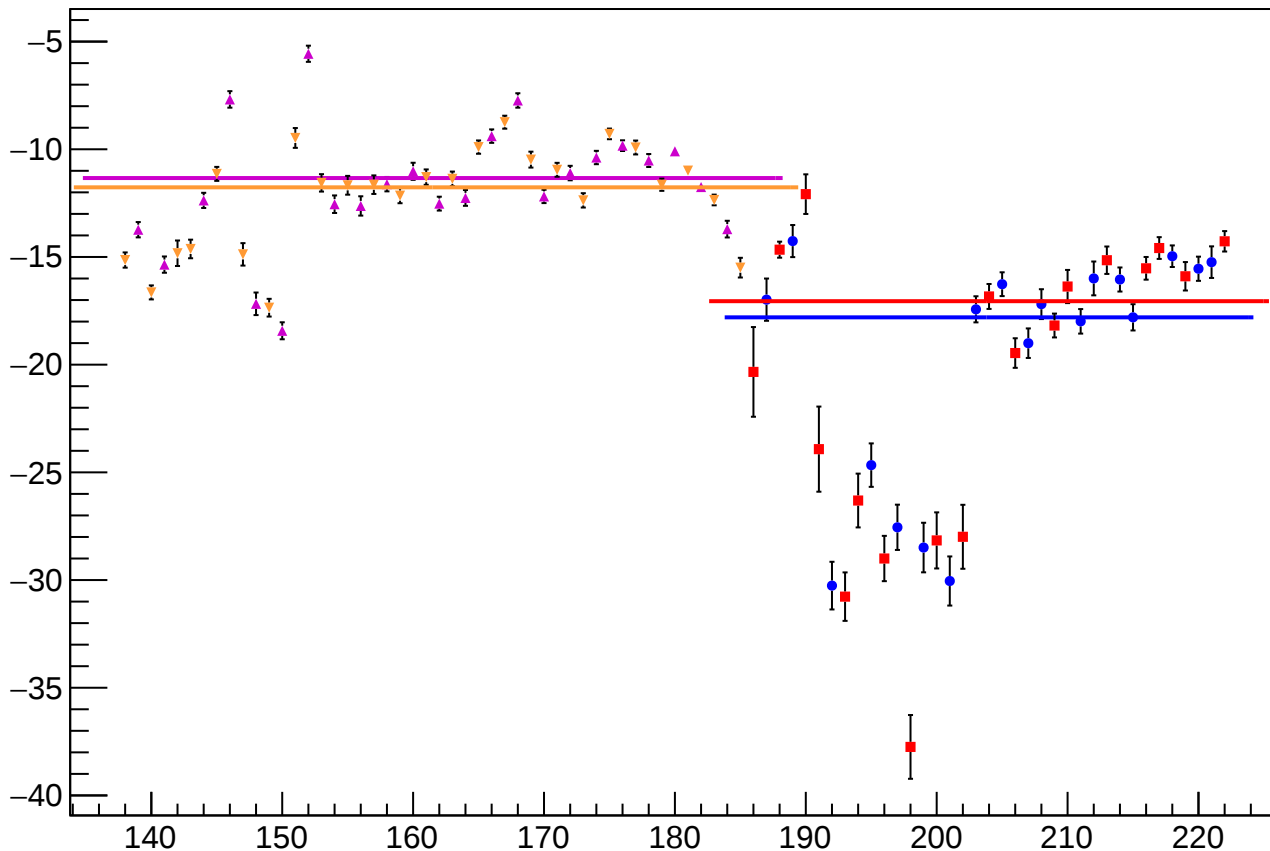
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.513 ± 0.007 χ^2/NDF : 2388.8/59

All: -0.501 ± 0.005 χ^2/NDF : 5728.2/120

- sign -0.489 ± 0.007 χ^2/NDF : 3333.8/60

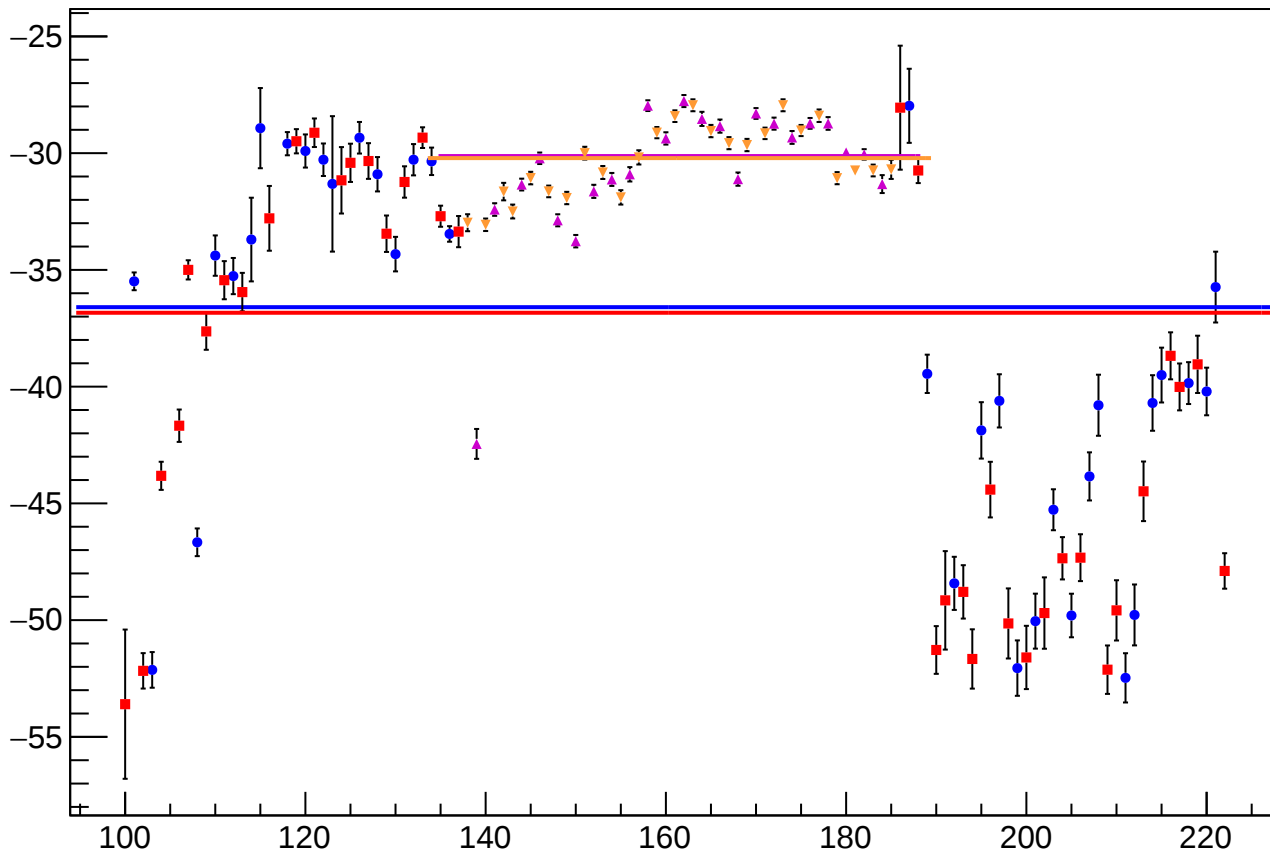
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -17.803 ± 0.165 $\chi^2/\text{NDF}: 571.5/17$
 Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$
 Right Out: -17.053 ± 0.159 $\chi^2/\text{NDF}: 836.0/18$
 Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -12.617 ± 0.062 $\chi^2/\text{NDF}: 2747.1/42$
 All: -12.421 ± 0.044 $\chi^2/\text{NDF}: 5964.8/84$
 - sign -12.220 ± 0.063 $\chi^2/\text{NDF}: 3197.3/41$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.596 ± 0.131 χ^2/NDF : 2801.9/34

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -36.835 ± 0.128 χ^2/NDF : 3396.8/37

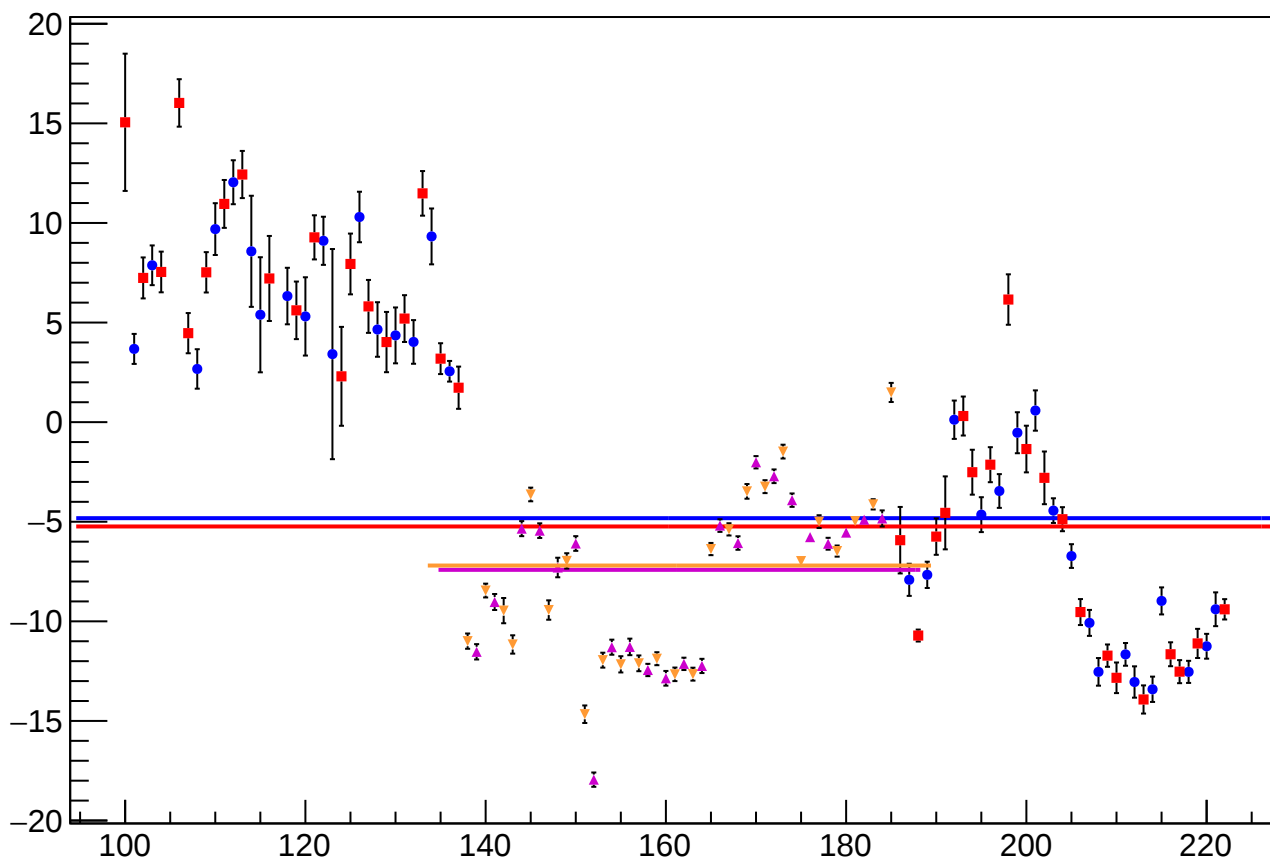
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -31.137 ± 0.050 χ^2/NDF : 5570.7/59

All: -31.159 ± 0.036 χ^2/NDF : 12502.1/120

- sign -31.183 ± 0.051 χ^2/NDF : 6930.9/60

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -4.821 ± 0.142 $\chi^2/\text{NDF}: 2675.4/34$

Left Out: -7.199 ± 0.067 $\chi^2/\text{NDF}: 3037.3/24$

Right Out: -5.237 ± 0.135 $\chi^2/\text{NDF}: 3536.6/37$

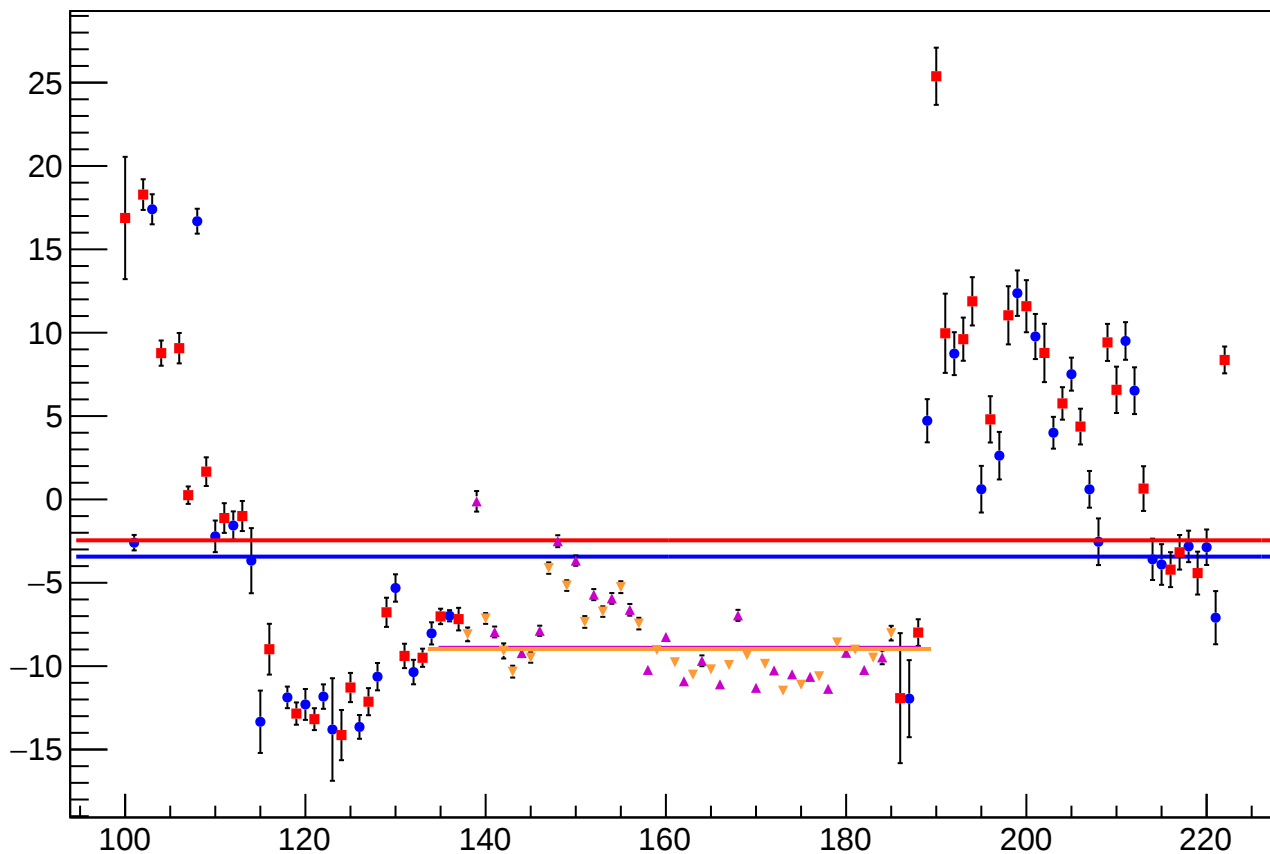
Left In: -7.415 ± 0.068 $\chi^2/\text{NDF}: 3123.3/22$

+ sign -6.767 ± 0.060 $\chi^2/\text{NDF}: 5942.1/59$

All: -6.872 ± 0.043 $\chi^2/\text{NDF}: 12815.1/120$

- sign -6.977 ± 0.061 $\chi^2/\text{NDF}: 6866.9/60$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.431 ± 0.147 $\chi^2/\text{NDF}: 3019.5/34$

Left Out: -8.970 ± 0.060 $\chi^2/\text{NDF}: 878.8/24$

Right Out: -2.453 ± 0.148 $\chi^2/\text{NDF}: 3427.7/37$

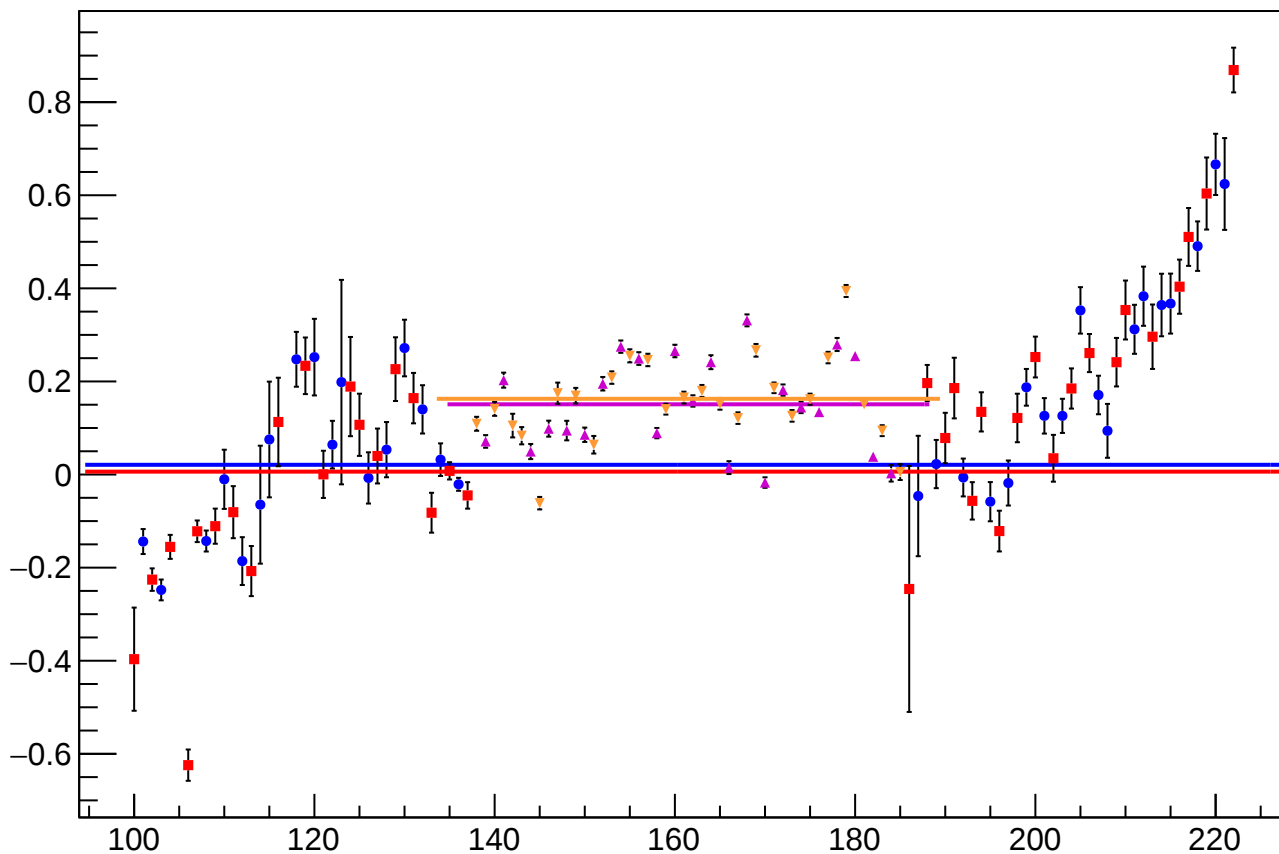
Left In: -8.900 ± 0.062 $\chi^2/\text{NDF}: 1533.9/22$

+ sign -8.178 ± 0.056 $\chi^2/\text{NDF}: 5110.9/59$

All: -8.062 ± 0.040 $\chi^2/\text{NDF}: 11707.2/120$

- sign -7.942 ± 0.057 $\chi^2/\text{NDF}: 6587.5/60$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: 0.021 ± 0.007 $\chi^2/\text{NDF}: 735.5/34$

Left Out: 0.163 ± 0.003 $\chi^2/\text{NDF}: 1018.1/24$

Right Out: 0.006 ± 0.007 $\chi^2/\text{NDF}: 1311.5/37$

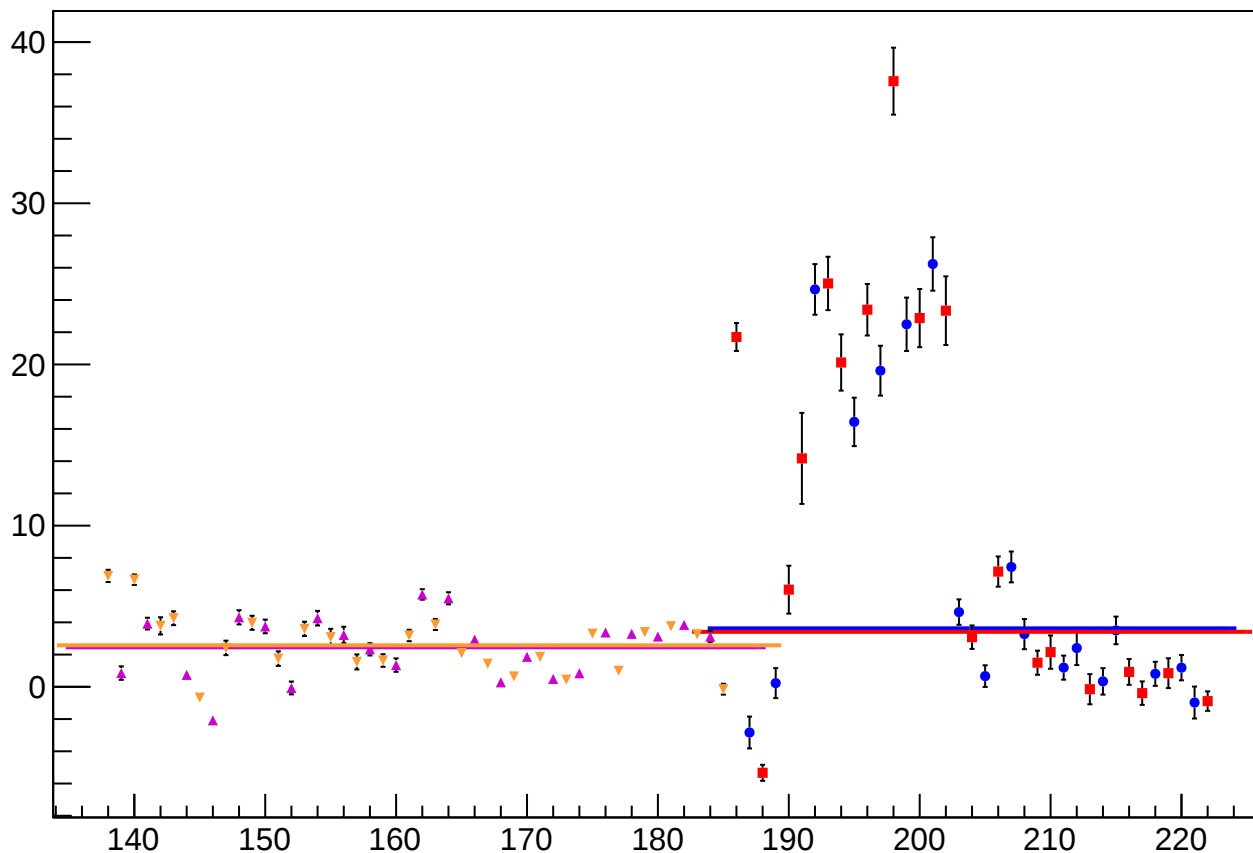
Left In: 0.151 ± 0.003 $\chi^2/\text{NDF}: 1286.5/22$

+ sign 0.143 ± 0.003 $\chi^2/\text{NDF}: 2123.0/59$

All: 0.137 ± 0.002 $\chi^2/\text{NDF}: 5118.0/120$

- sign 0.131 ± 0.003 $\chi^2/\text{NDF}: 2982.5/60$

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 3.627 ± 0.222 χ^2/NDF : 841.0/17

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 3.413 ± 0.213 χ^2/NDF : 1800.3/18

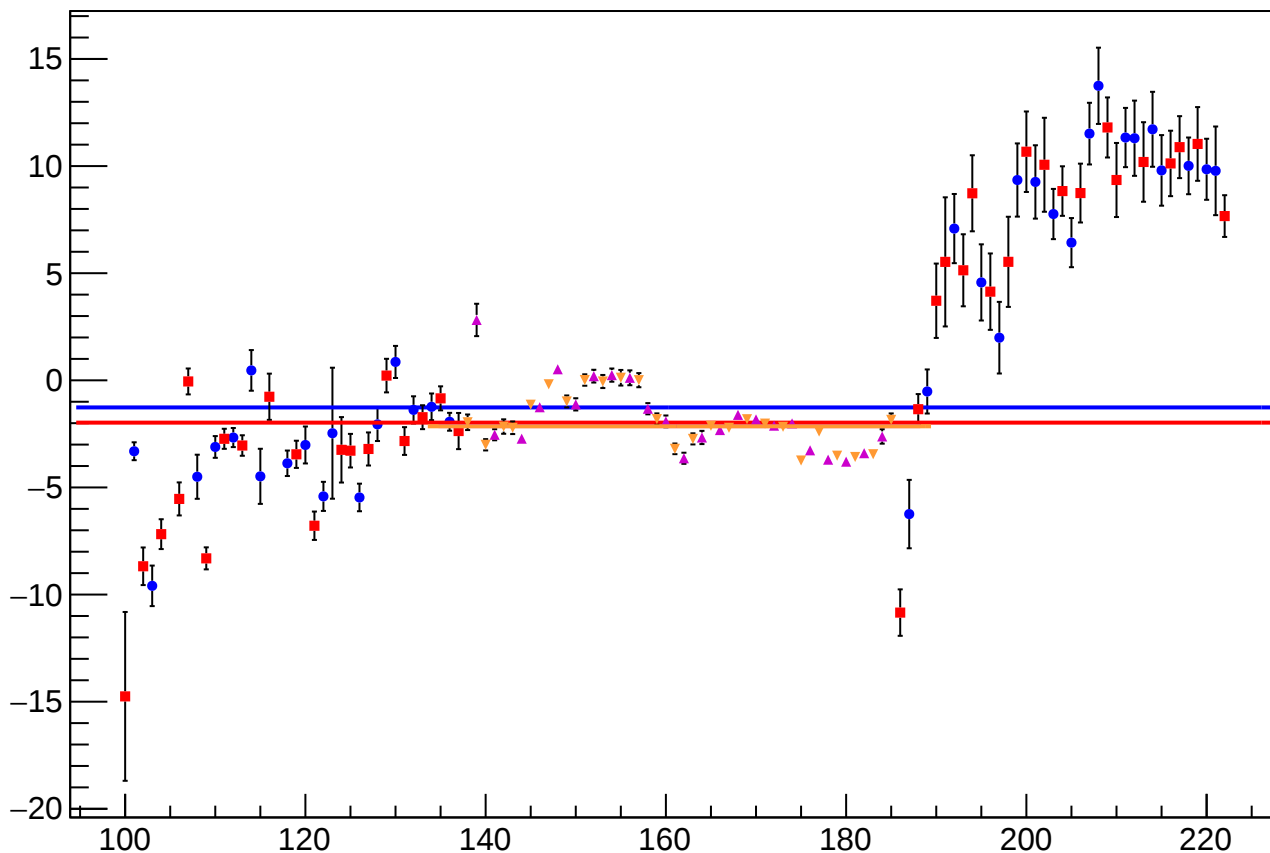
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.644 ± 0.056 χ^2/NDF : 1729.3/42

All: 2.584 ± 0.040 χ^2/NDF : 4422.1/84

- sign 2.521 ± 0.057 χ^2/NDF : 2690.5/41

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.265 ± 0.142 χ^2/NDF : 1037.9/34

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -1.975 ± 0.139 χ^2/NDF : 1261.8/37

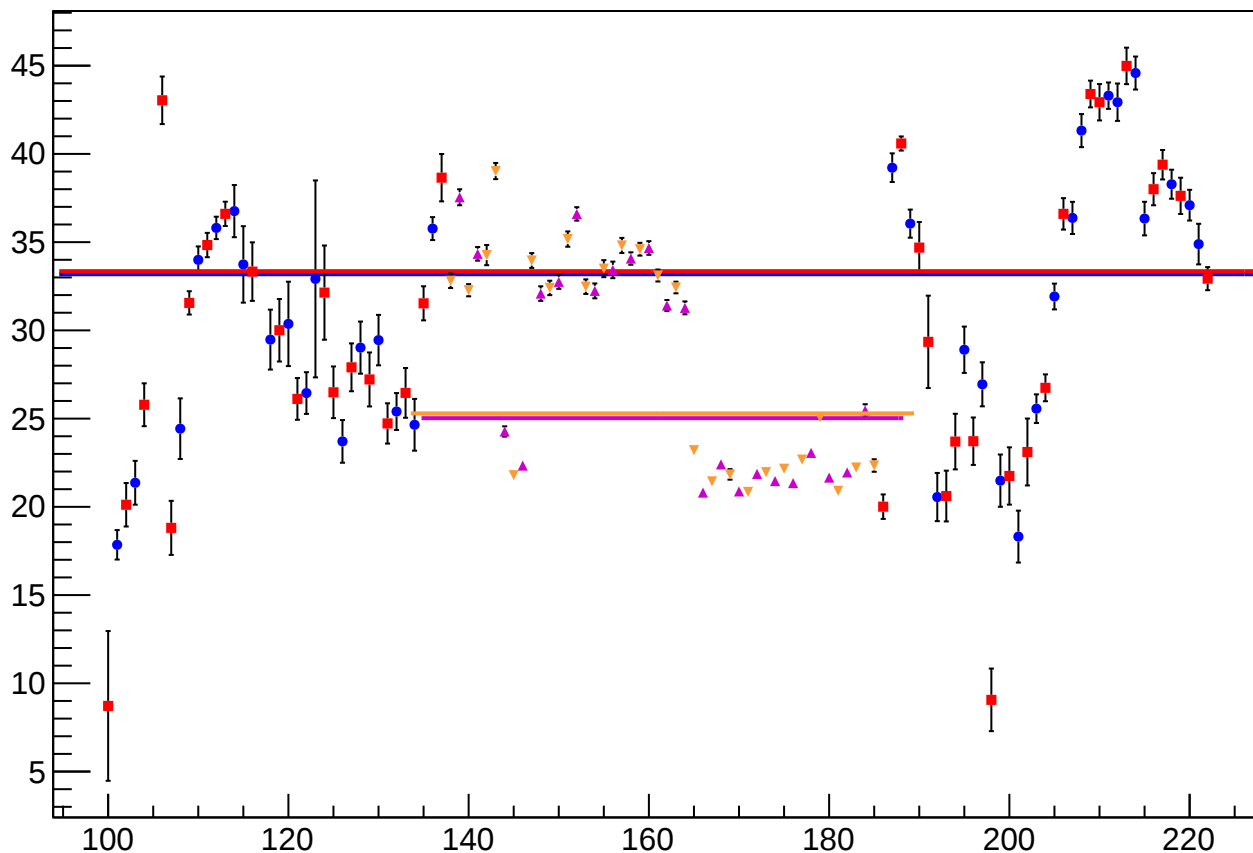
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.056 ± 0.045 χ^2/NDF : 1645.9/59

All: -2.087 ± 0.032 χ^2/NDF : 3601.1/120

- sign -2.119 ± 0.046 χ^2/NDF : 1954.2/60

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 33.182 $\pm$ 0.172 χ^2 /NDF: 1718.2/34

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 33.355 $\pm$ 0.161 χ^2 /NDF: 2268.6/37

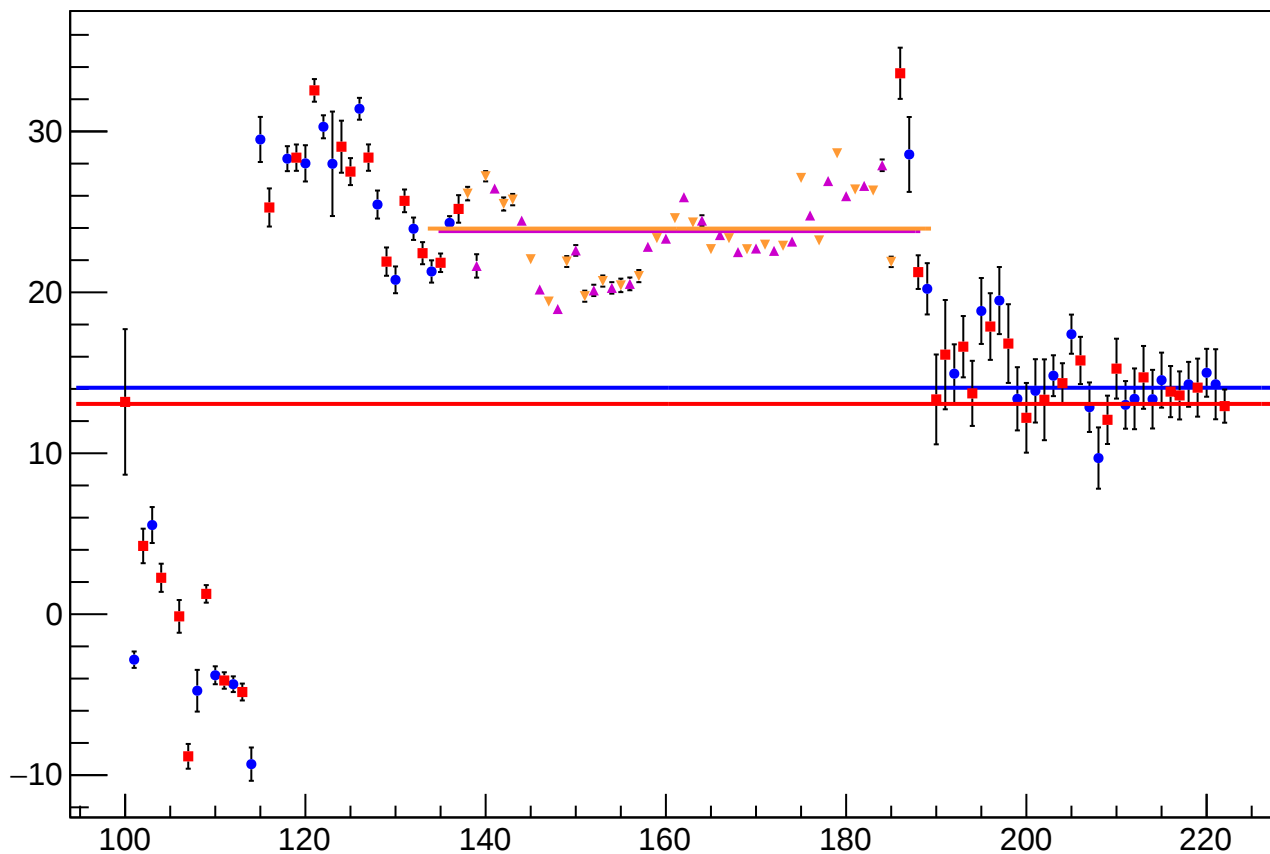
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 26.125 $\pm$ 0.056 χ^2 /NDF: 11878.4/59

All: 26.078 $\pm$ 0.039 χ^2 /NDF: 24116.6/120

- sign 26.031 $\pm$ 0.056 χ^2 /NDF: 12236.7/60

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.072 $\pm$ 0.158 χ^2 /NDF: 7358.0/34

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 13.068 $\pm$ 0.158 χ^2 /NDF: 7215.5/37

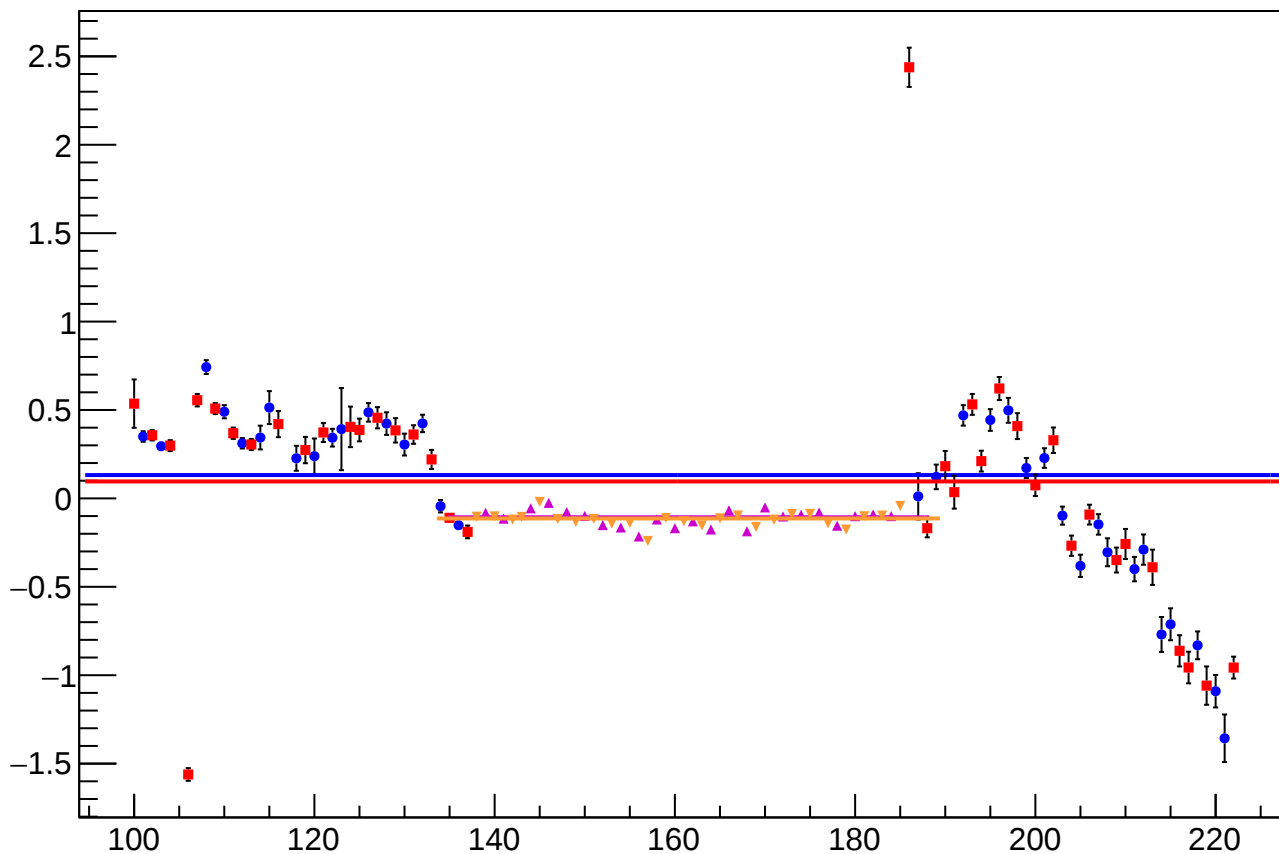
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 22.962 $\pm$ 0.050 χ^2 /NDF: 12781.4/59

All: 22.823 $\pm$ 0.036 χ^2 /NDF: 25907.6/120

- sign 22.681 $\pm$ 0.051 χ^2 /NDF: 13110.9/60

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.008 χ^2/NDF : 1841.5/34

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.096 ± 0.008 χ^2/NDF : 4453.6/37

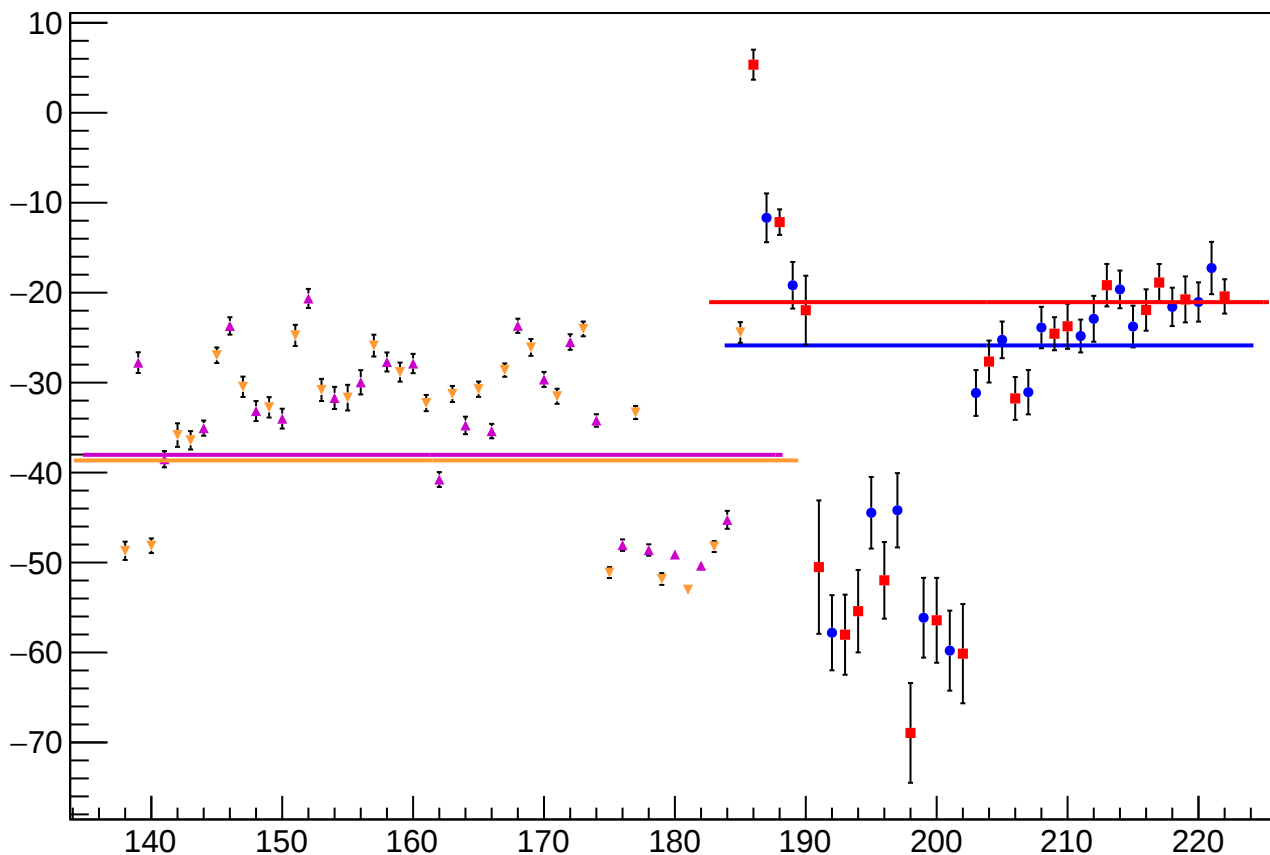
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.094 ± 0.002 χ^2/NDF : 2963.7/59

All: -0.091 ± 0.002 χ^2/NDF : 8326.1/120

- sign -0.089 ± 0.002 χ^2/NDF : 5360.7/60

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -25.865 ± 0.605 χ^2/NDF : 277.3/17

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -21.055 ± 0.573 χ^2/NDF : 699.0/18

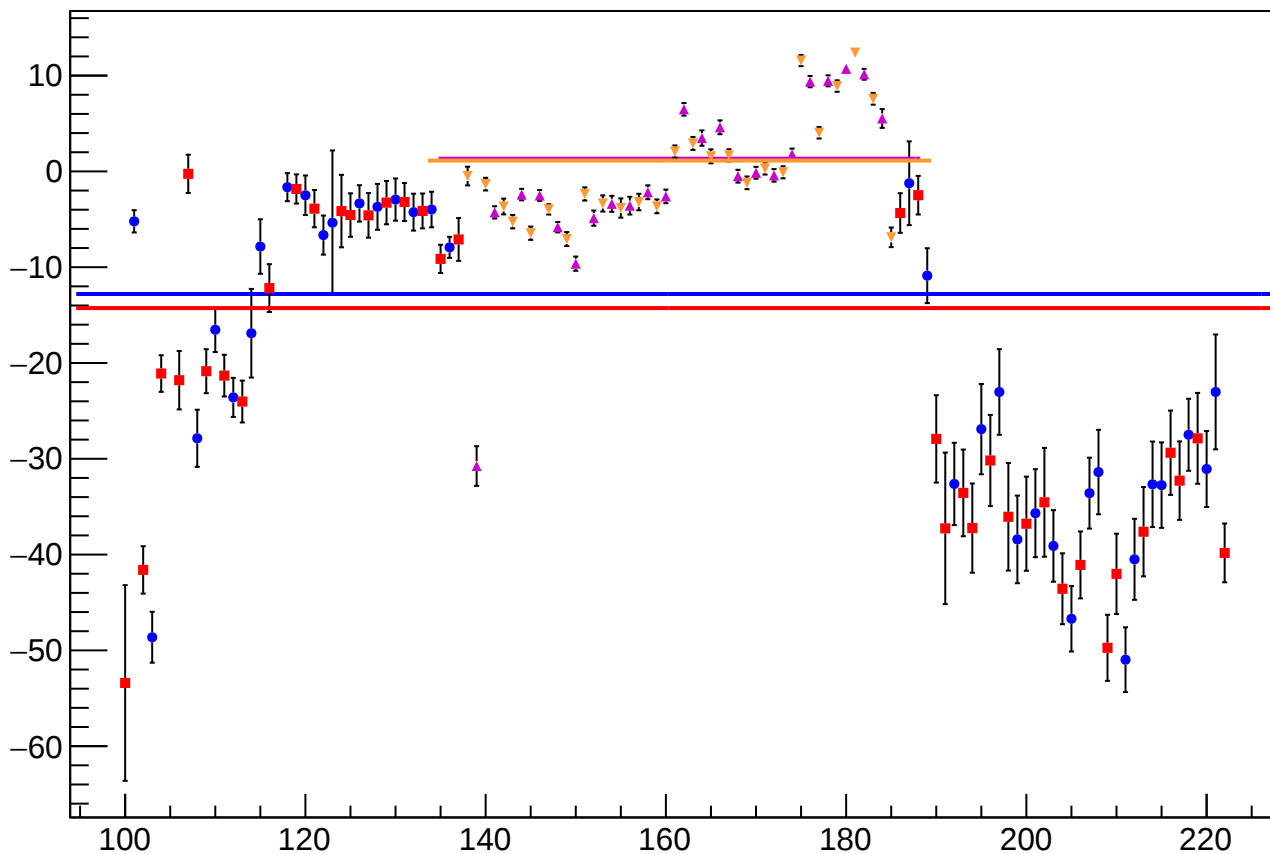
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -37.725 ± 0.163 χ^2/NDF : 4768.2/42

All: -37.175 ± 0.116 χ^2/NDF : 9387.1/84

- sign -36.605 ± 0.166 χ^2/NDF : 4595.6/41

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -12.798 ± 0.419 χ^2/NDF : 1044.4/34

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -14.267 ± 0.425 χ^2/NDF : 1073.1/37

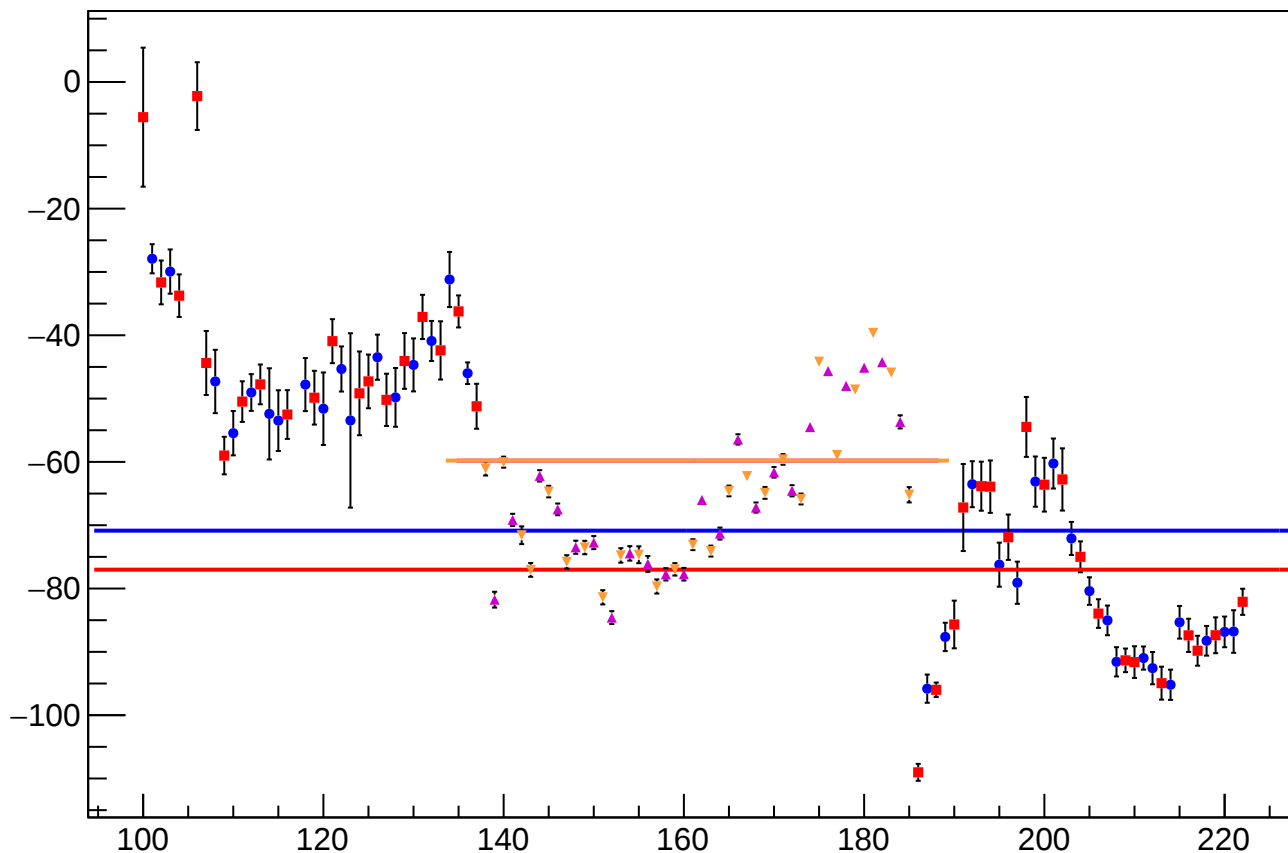
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign -0.198 ± 0.129 χ^2/NDF : 3844.0/59

All: -0.195 ± 0.093 χ^2/NDF : 8178.7/120

- sign -0.192 ± 0.133 χ^2/NDF : 4334.7/60

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -70.857 ± 0.491 χ^2/NDF : 1992.5/34

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -77.019 ± 0.460 χ^2/NDF : 2797.9/37

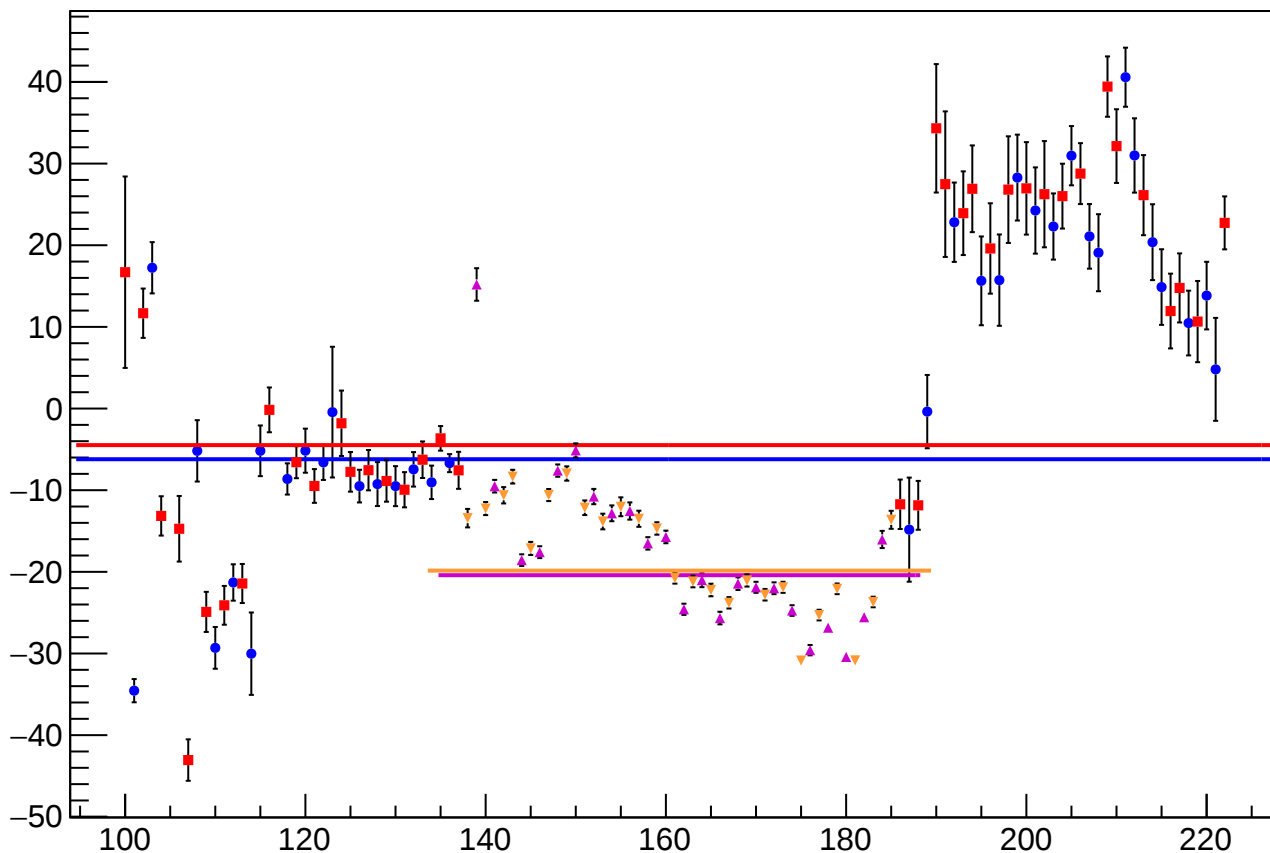
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -60.975 ± 0.161 χ^2/NDF : 8283.7/59

All: -61.454 ± 0.114 χ^2/NDF : 17544.0/120

- sign -61.942 ± 0.162 χ^2/NDF : 9242.3/60

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.207 ± 0.471 χ^2/NDF : 1323.3/34

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -4.479 ± 0.487 χ^2/NDF : 1202.5/37

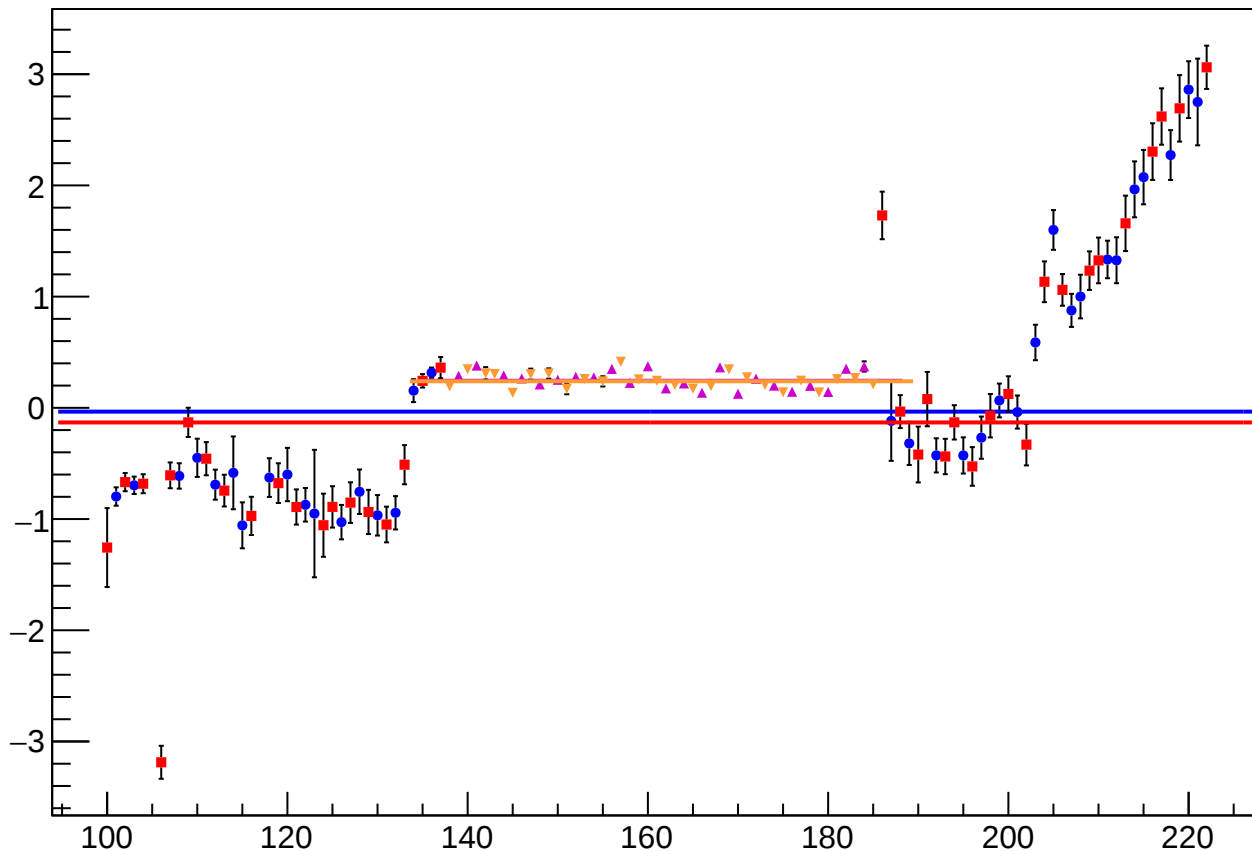
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -18.549 ± 0.145 χ^2/NDF : 4013.7/59

All: -18.727 ± 0.104 χ^2/NDF : 8492.4/120

- sign -18.914 ± 0.149 χ^2/NDF : 4475.6/60

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.034 ± 0.023 χ^2/NDF : 1181.7/34

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.131 ± 0.024 χ^2/NDF : 1716.9/37

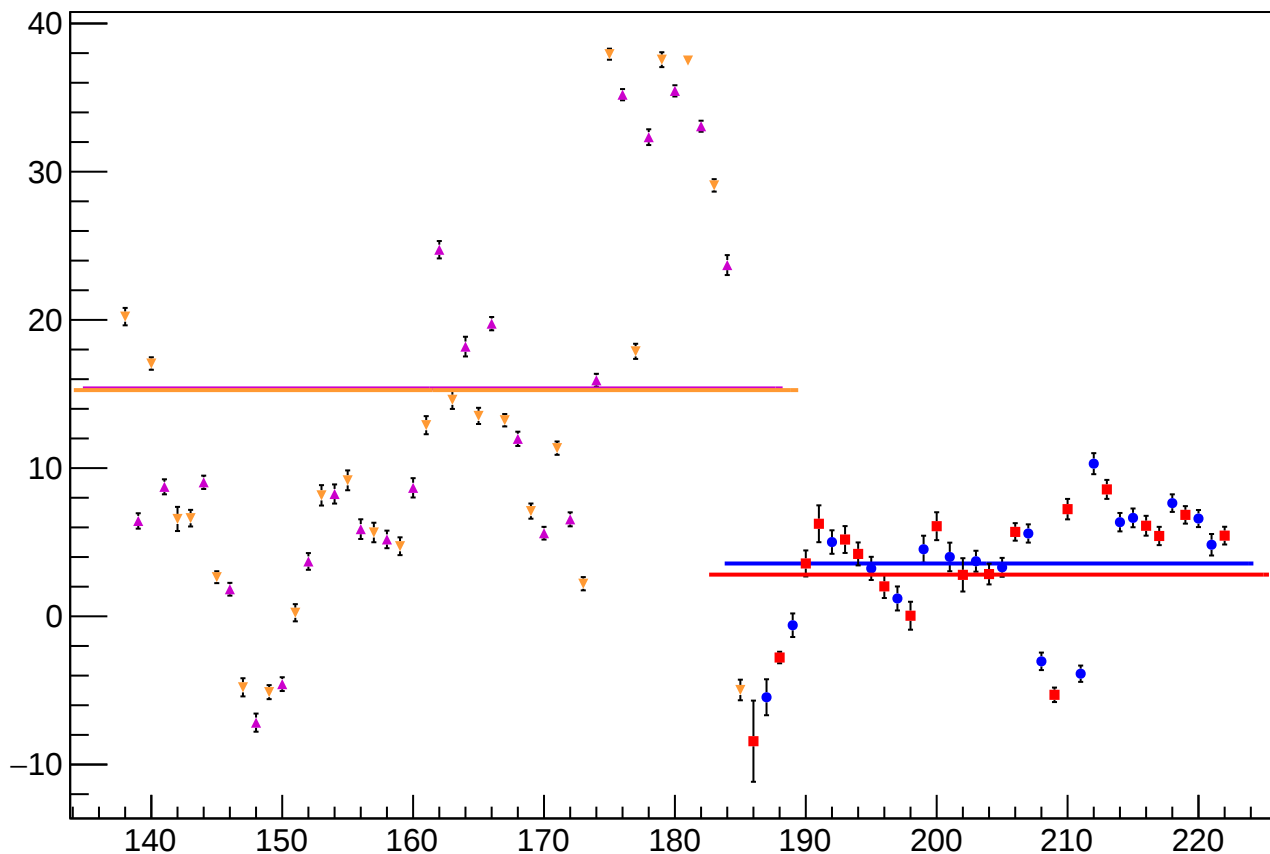
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.216 ± 0.007 χ^2/NDF : 1399.1/59

All: 0.214 ± 0.005 χ^2/NDF : 3479.9/120

- sign 0.212 ± 0.007 χ^2/NDF : 2080.7/60

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.564+/-0.163 χ^2/NDF : 626.9/17

Left Out: 15.263+/-0.100 χ^2/NDF : 19175.2/24

Right Out: 2.814+/-0.157 χ^2/NDF : 792.5/18

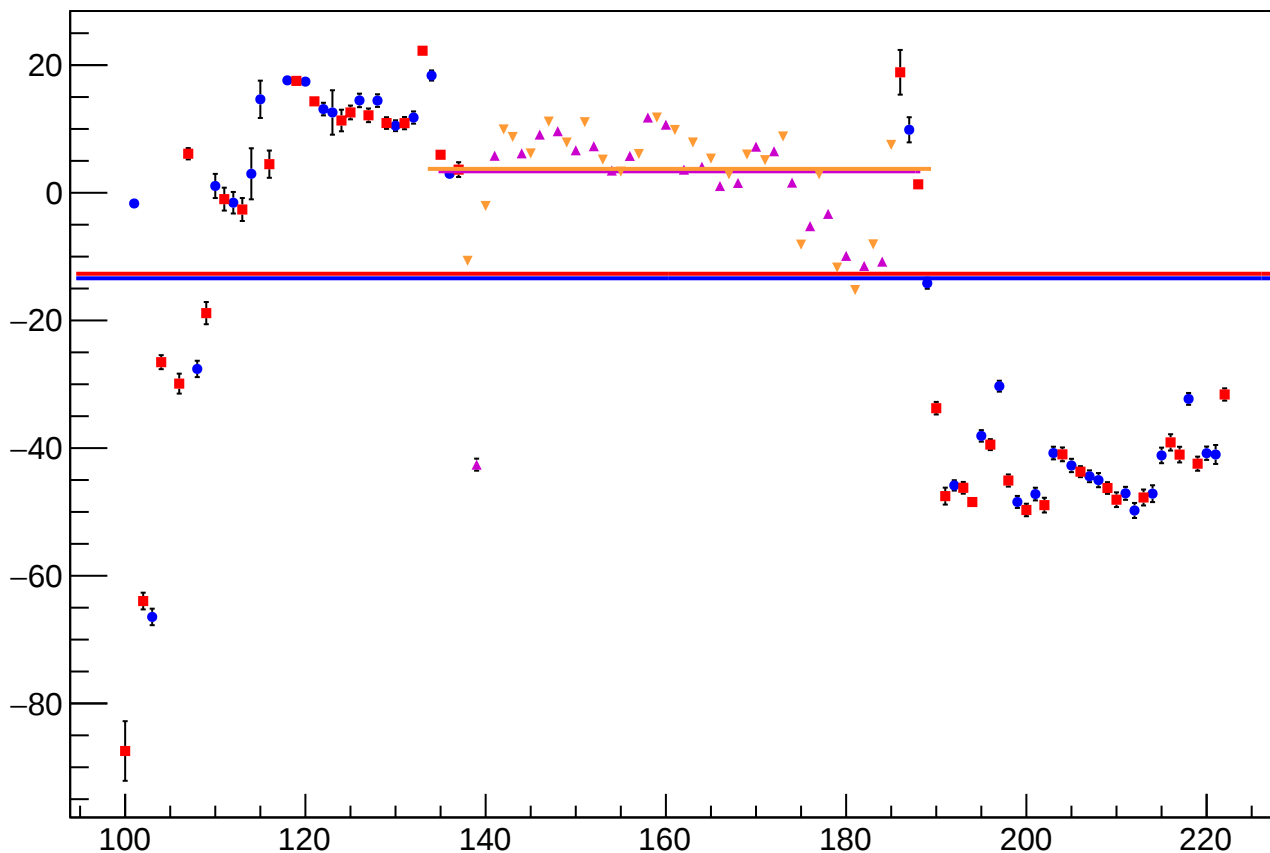
Left In: 15.377+/-0.103 χ^2/NDF : 16268.9/22

+ sign 12.054+/-0.086 χ^2/NDF : 23518.7/42

All: 11.839+/-0.061 χ^2/NDF : 45061.8/84

- sign 11.621+/-0.086 χ^2/NDF : 21530.3/41

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -13.398 ± 0.162 χ^2/NDF : 28217.1/34

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -12.684 ± 0.155 χ^2/NDF : 33436.7/37

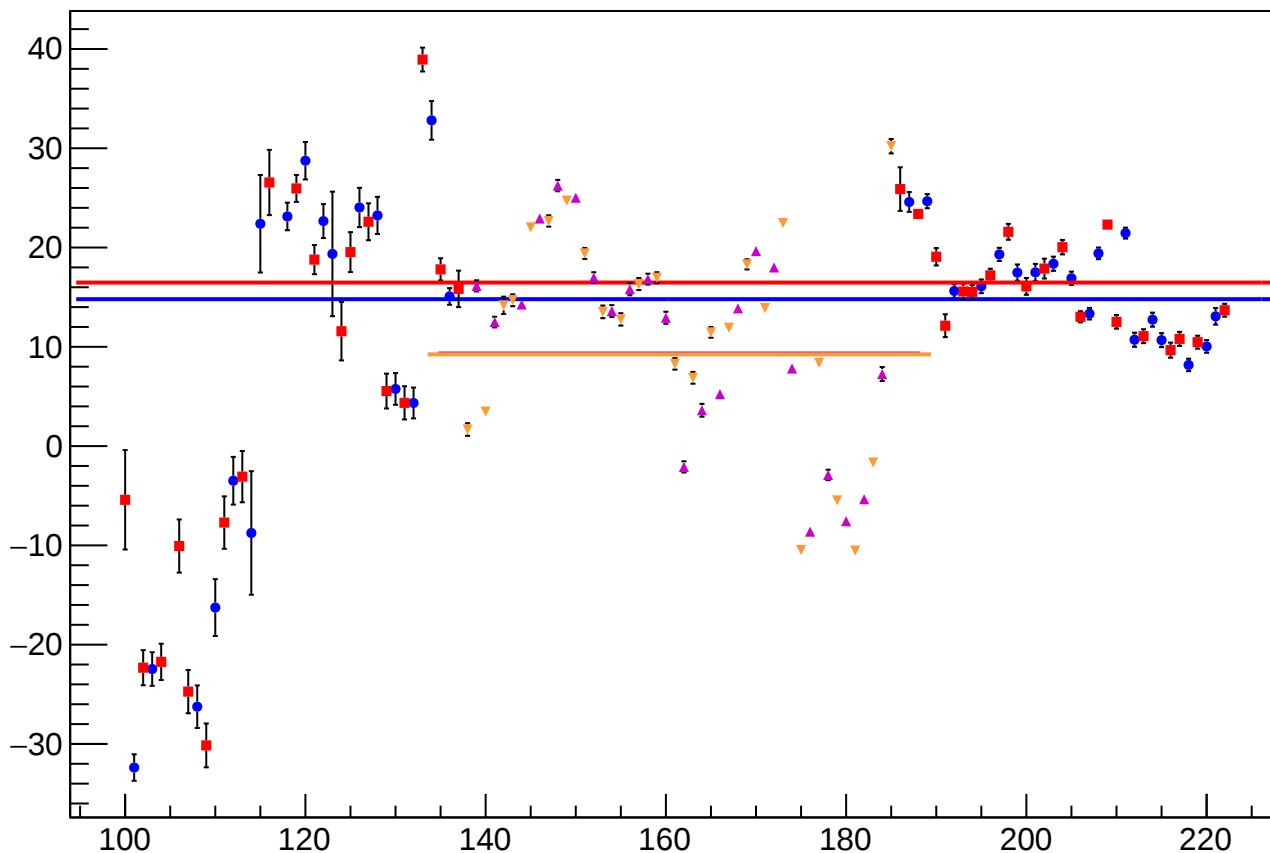
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 0.464 ± 0.071 χ^2/NDF : 46536.3/59

All: 0.189 ± 0.050 χ^2/NDF : 96946.4/120

- sign -0.095 ± 0.072 χ^2/NDF : 50379.5/60

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 14.800 $\pm$ 0.151 χ^2 /NDF: 3465.2/34

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 16.473 $\pm$ 0.142 χ^2 /NDF: 3609.0/37

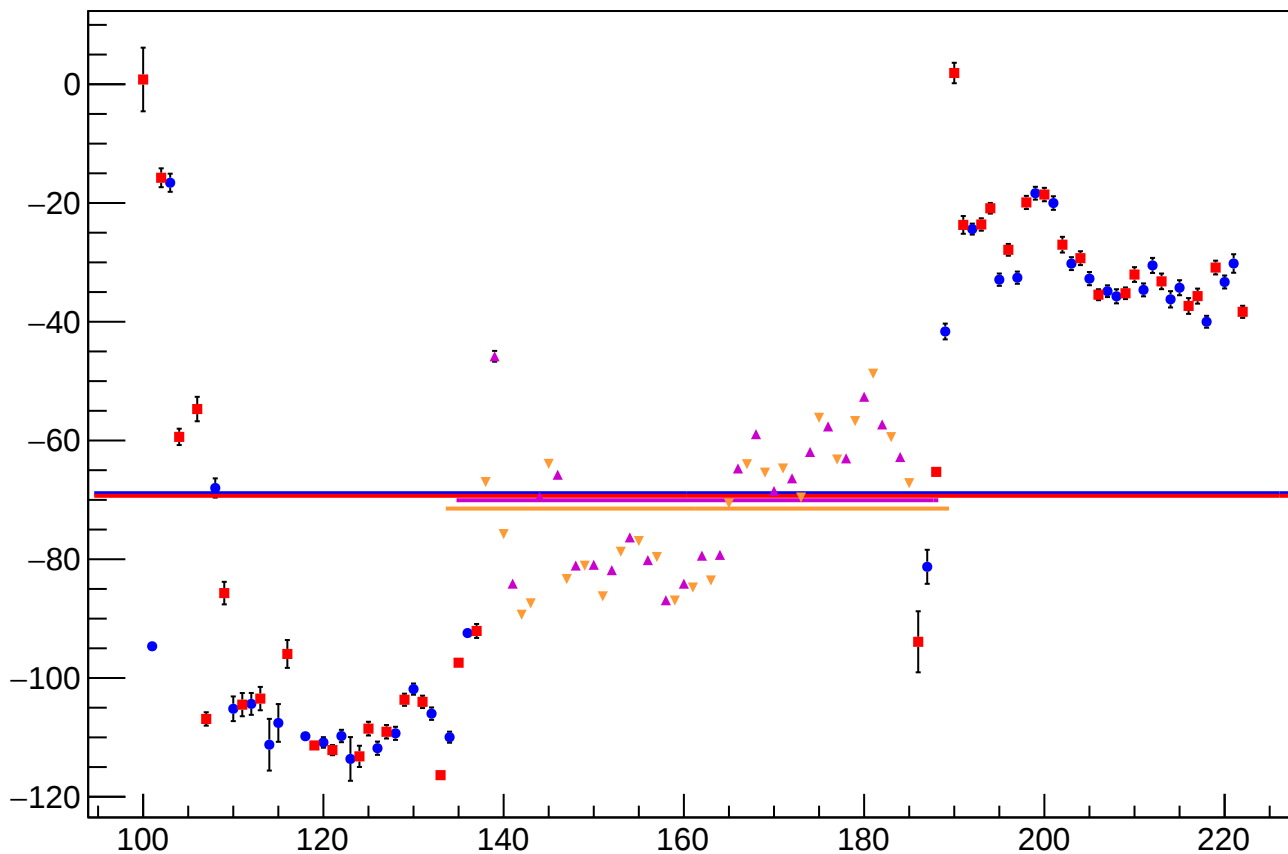
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 10.954 $\pm$ 0.084 χ^2 /NDF: 18032.7/59

All: 11.370 $\pm$ 0.059 χ^2 /NDF: 35323.5/120

- sign 11.778 $\pm$ 0.083 χ^2 /NDF: 17242.1/60

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -68.878 $\pm$ 0.184 χ^2 /NDF: 39495.4/34

Left Out: -71.465 $\pm$ 0.089 χ^2 /NDF:16409.7/24

Right Out: -69.313 $\pm$ 0.179 χ^2 /NDF: 47074.1/37

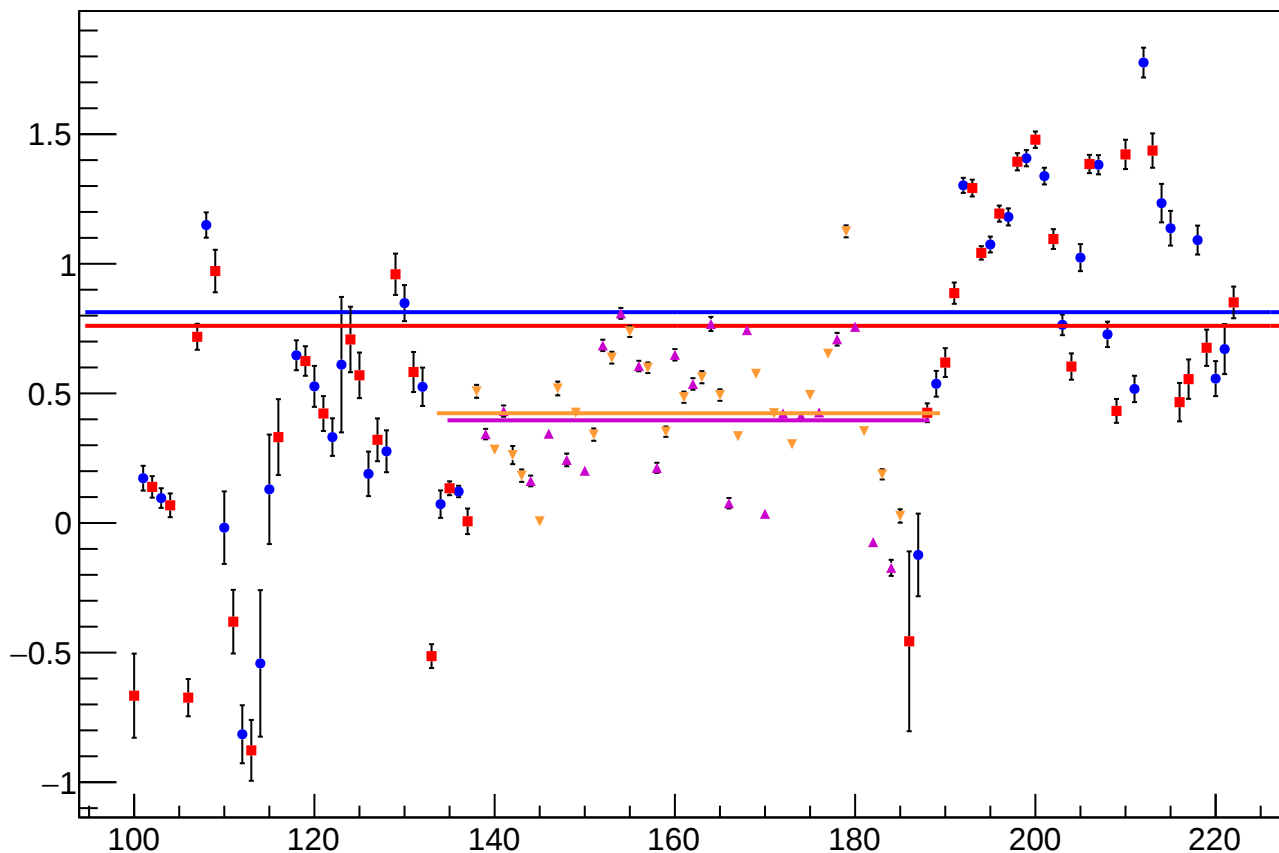
Left In: -70.061 $\pm$ 0.092 χ^2 /NDF:13058.5/22

+ sign -70.973 $\pm$ 0.080 χ^2 /NDF: 56064.7/59

All: -70.448 $\pm$ 0.057 χ^2 /NDF: 116298.0/120

- sign -69.906 $\pm$ 0.082 χ^2 /NDF: 60146.4/60

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.813 $\pm$ 0.008 χ^2/NDF : 4056.0/34

Left Out: 0.424 $\pm$ 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.761 $\pm$ 0.008 χ^2/NDF : 5140.3/37

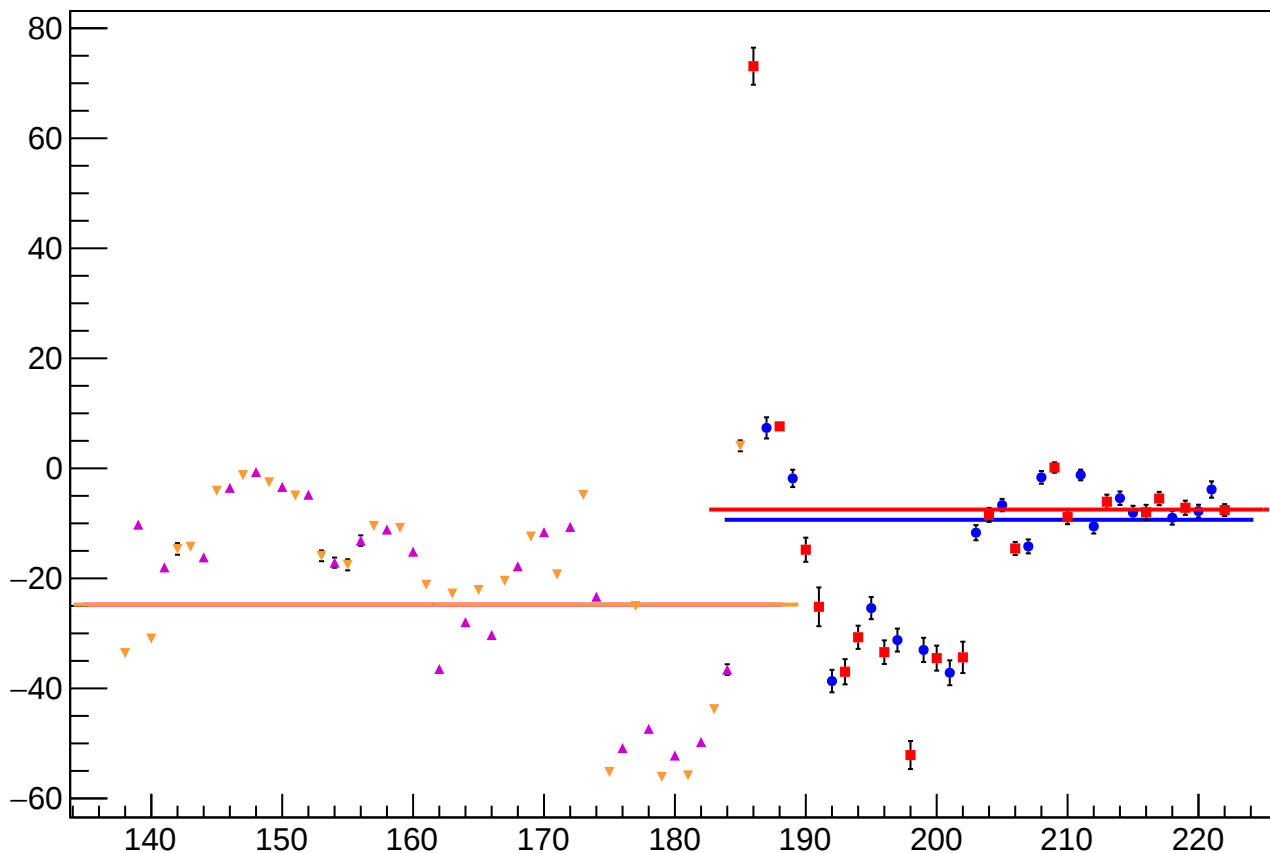
Left In: 0.396 $\pm$ 0.004 χ^2/NDF : 4051.5/22

+ sign 0.502 $\pm$ 0.004 χ^2/NDF : 8756.6/59

All: 0.489 $\pm$ 0.003 χ^2/NDF : 19657.0/120

- sign 0.476 $\pm$ 0.004 χ^2/NDF : 10876.6/60

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -9.349 ± 0.329 χ^2/NDF : 909.7/17

Left Out: -24.769 ± 0.139 χ^2/NDF : 18318.8/24

Right Out: -7.494 ± 0.327 χ^2/NDF : 2040.7/18

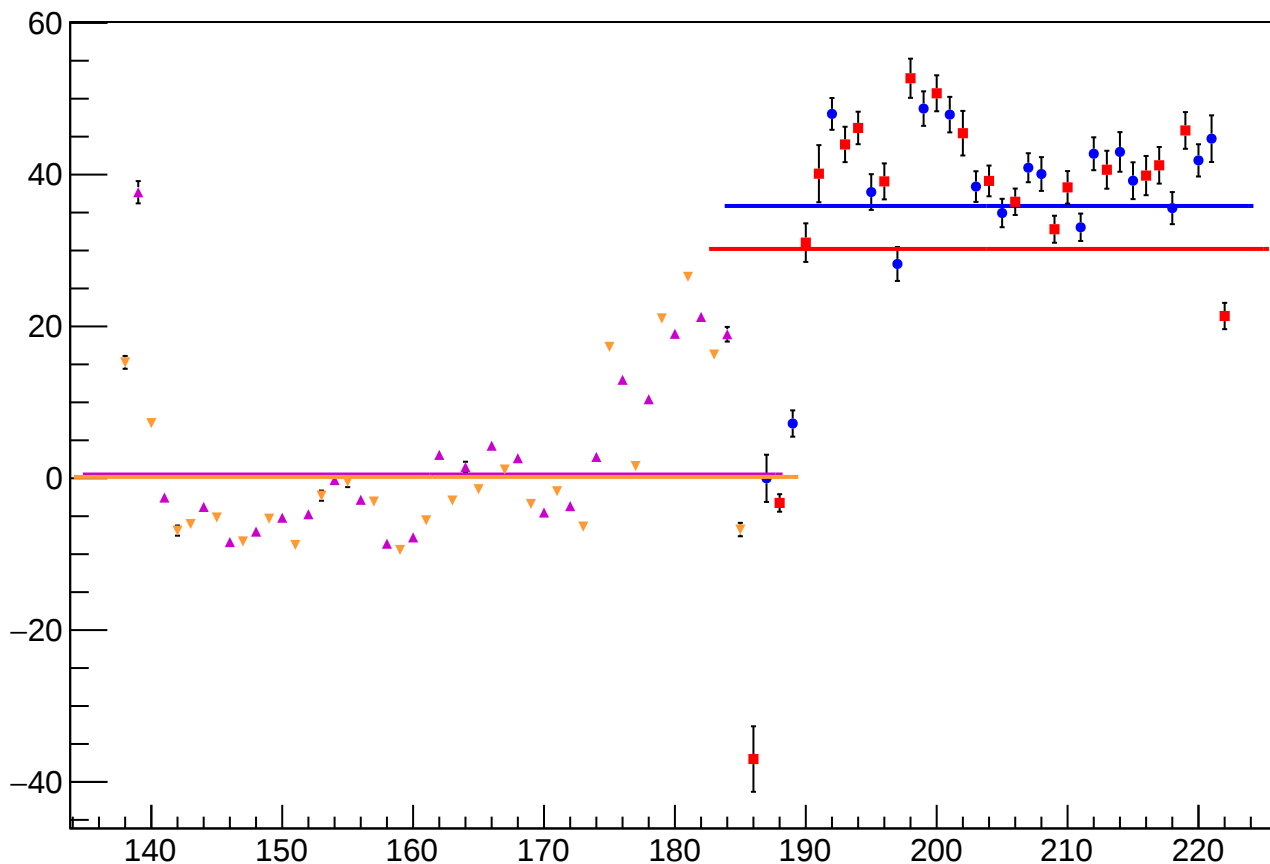
Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -22.423 ± 0.128 χ^2/NDF : 21089.8/42

All: -22.218 ± 0.092 χ^2/NDF : 40291.2/84

- sign -22.005 ± 0.131 χ^2/NDF : 19196.2/41

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 35.869 ± 0.512 $\chi^2/\text{NDF}: 561.4/17$

Left Out: 0.177 ± 0.109 $\chi^2/\text{NDF}: 8295.6/24$

Right Out: 30.209 ± 0.491 $\chi^2/\text{NDF}: 1543.4/18$

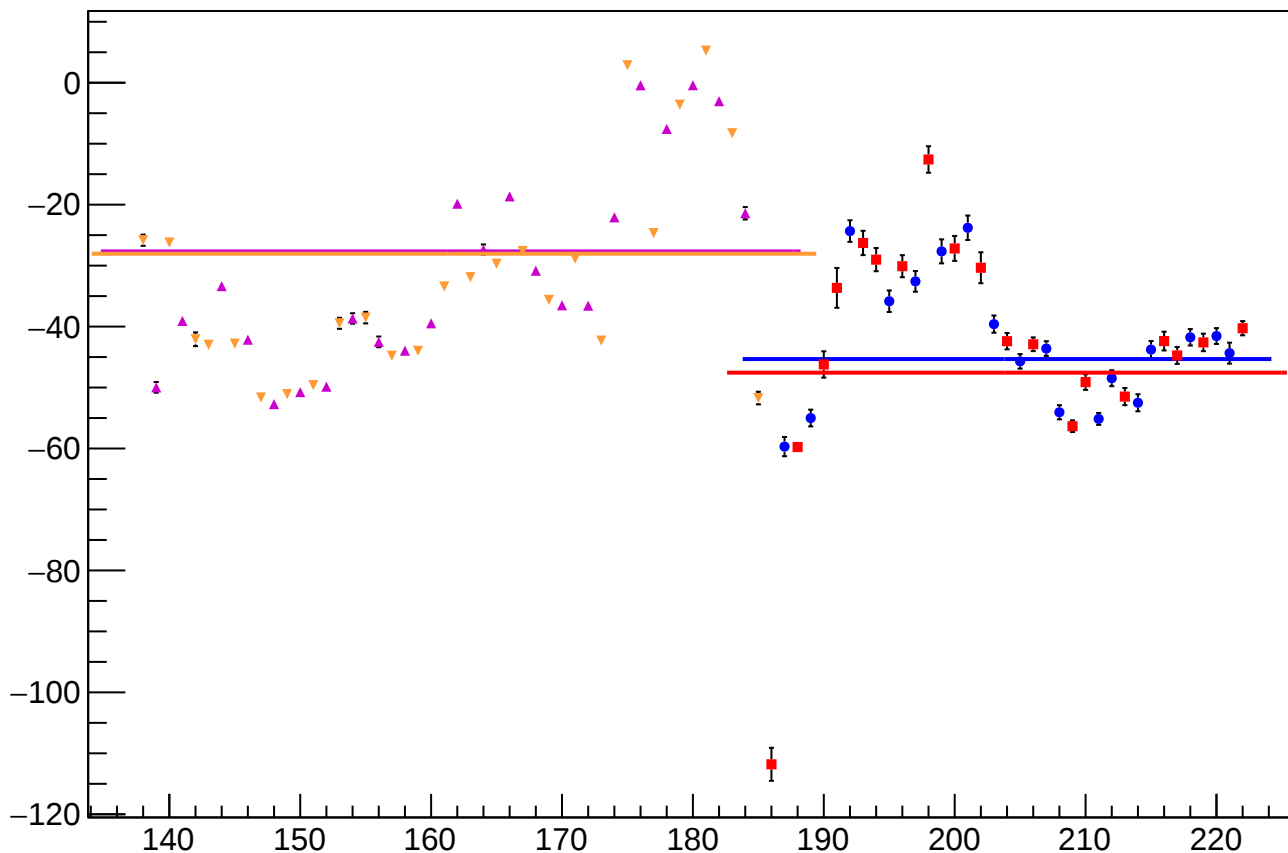
Left In: 0.493 ± 0.112 $\chi^2/\text{NDF}: 6555.4/22$

+ sign 1.714 ± 0.106 $\chi^2/\text{NDF}: 13512.8/42$

All: 1.837 ± 0.076 $\chi^2/\text{NDF}: 25099.1/84$

- sign 1.967 ± 0.109 $\chi^2/\text{NDF}: 11583.5/41$

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -45.327 ± 0.330 χ^2/NDF : 778.4/17

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -47.557 ± 0.317 χ^2/NDF : 1835.2/18

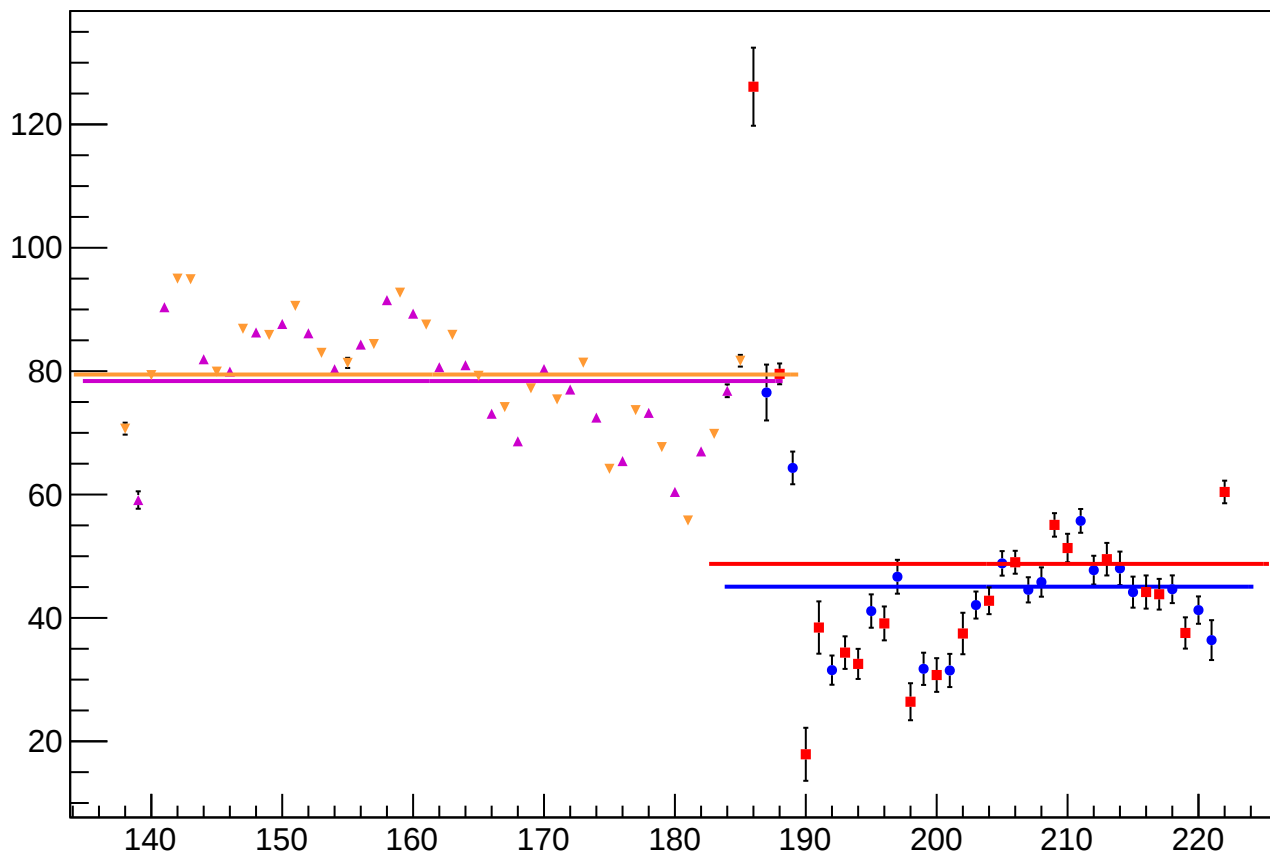
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -30.683 ± 0.129 χ^2/NDF : 20248.1/42

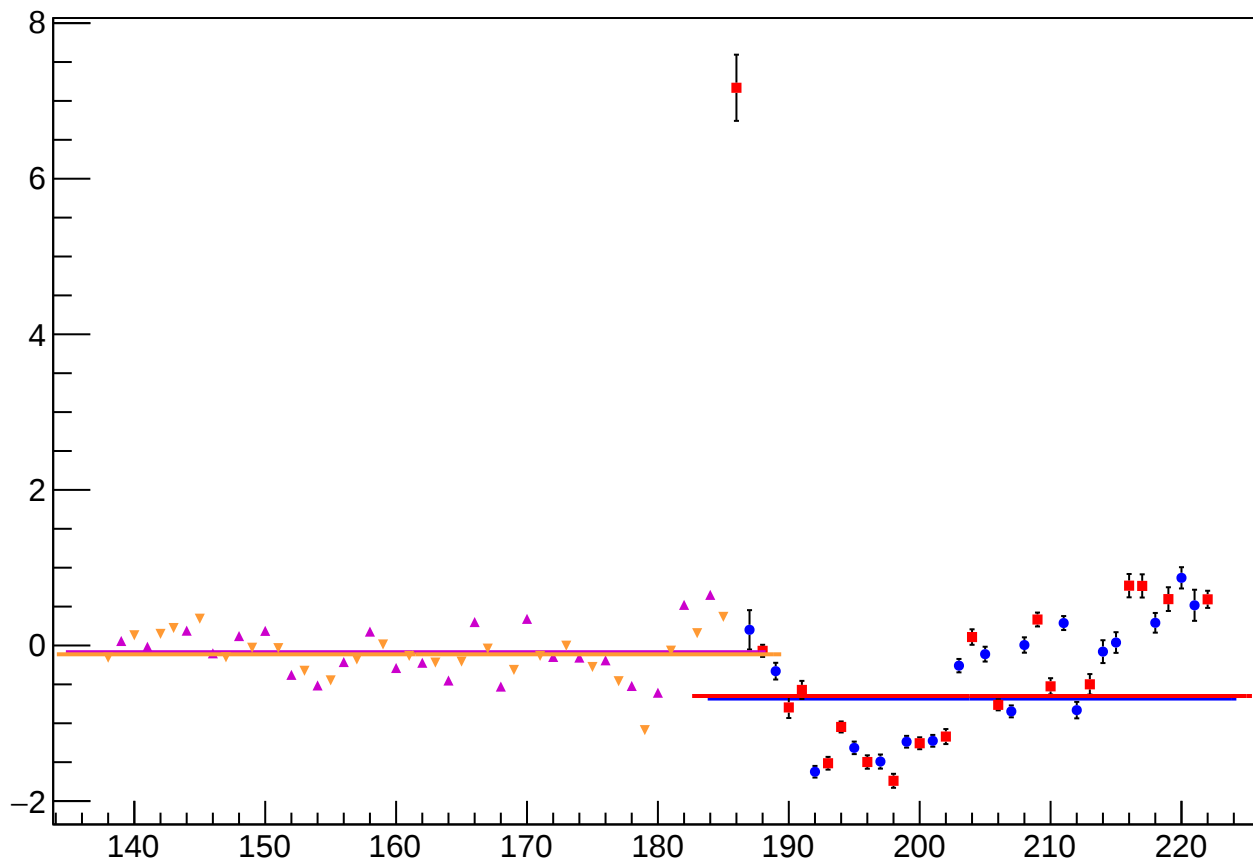
All: -30.847 ± 0.091 χ^2/NDF : 40371.3/84

- sign -31.014 ± 0.130 χ^2/NDF : 20119.9/41

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.682 ± 0.023 χ^2/NDF : 929.2/17

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.649 ± 0.023 χ^2/NDF : 1431.3/18

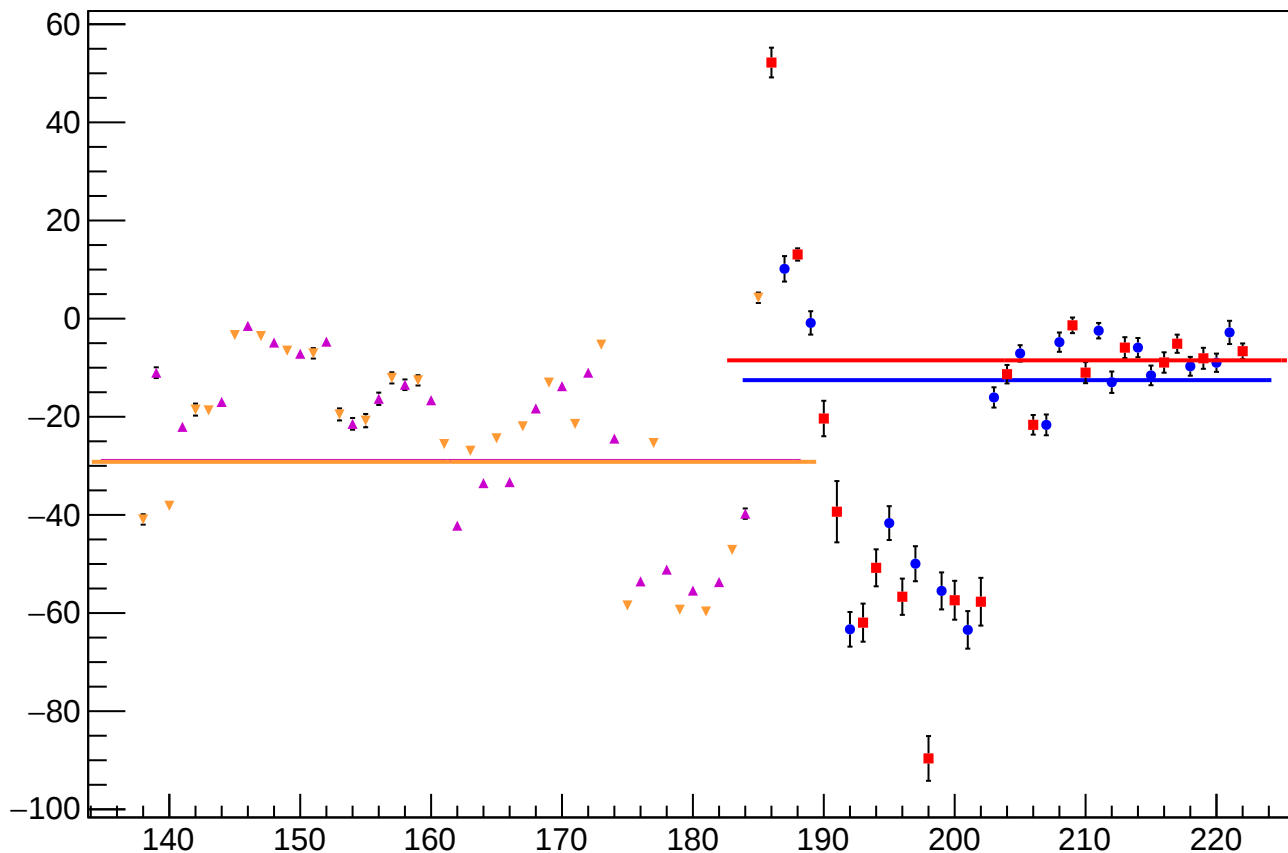
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.146 ± 0.006 χ^2/NDF : 3805.8/42

All: -0.134 ± 0.004 χ^2/NDF : 8965.6/84

- sign -0.121 ± 0.006 χ^2/NDF : 5149.9/41

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -12.535 ± 0.524 χ^2/NDF : 917.5/17

Left Out: -29.180 ± 0.157 χ^2/NDF : 16912.2/24

Right Out: -8.499 ± 0.519 χ^2/NDF : 1863.3/18

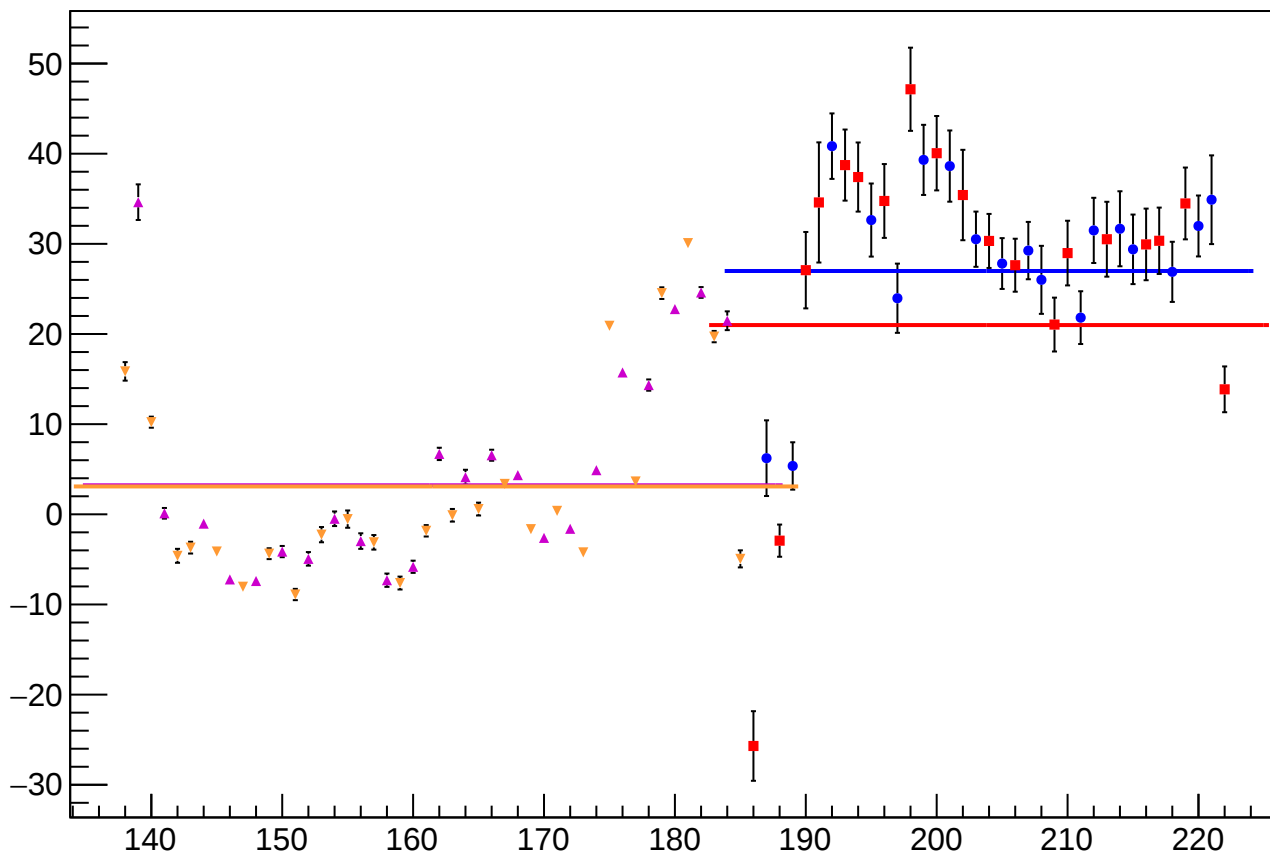
Left In: -29.003 ± 0.160 χ^2/NDF : 13416.8/22

+ sign -27.814 ± 0.150 χ^2/NDF : 18754.9/42

All: -27.524 ± 0.107 χ^2/NDF : 35470.1/84

- sign -27.225 ± 0.153 χ^2/NDF : 16707.7/41

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 26.988 ± 0.823 $\chi^2/\text{NDF}: 141.1/17$

Left Out: 3.091 ± 0.124 $\chi^2/\text{NDF}: 8084.1/24$

Right Out: 20.992 ± 0.784 $\chi^2/\text{NDF}: 499.5/18$

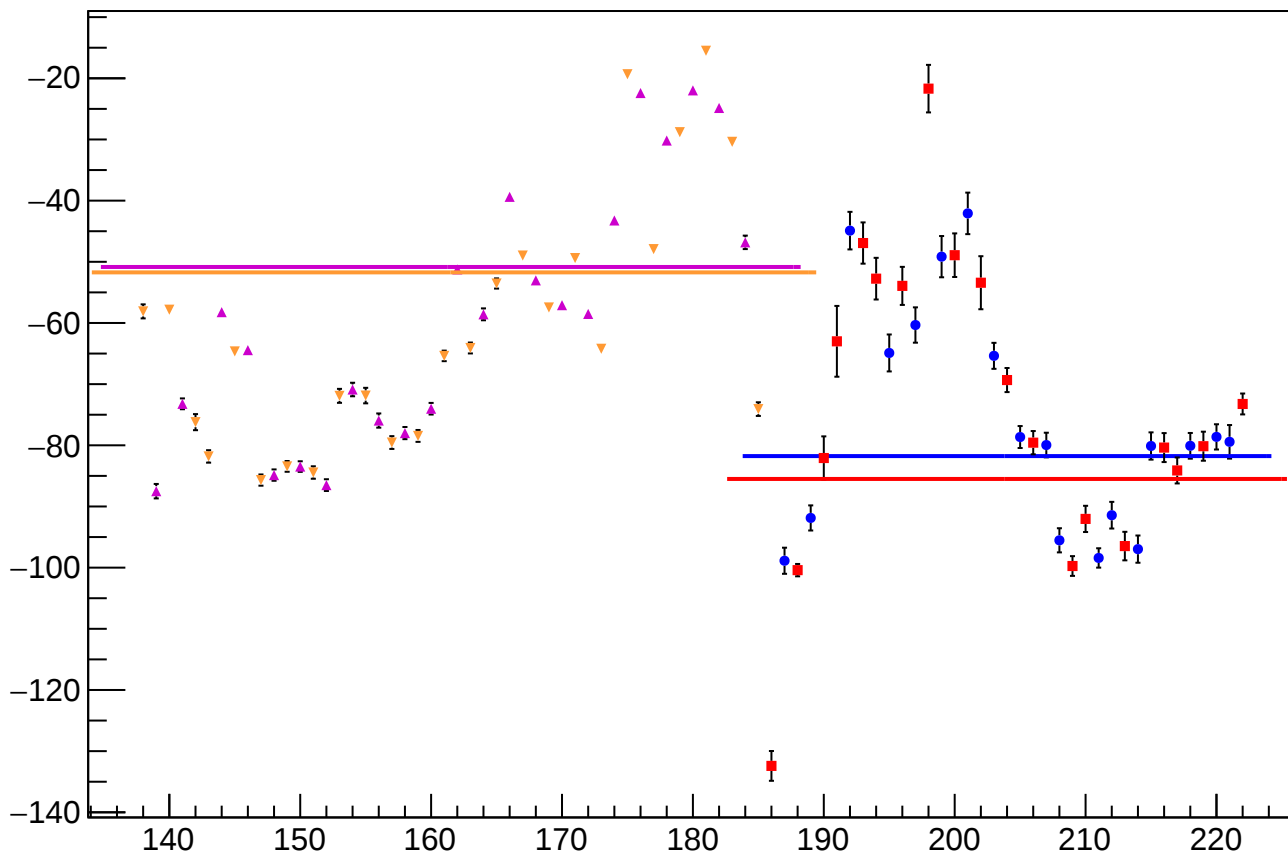
Left In: 3.221 ± 0.127 $\chi^2/\text{NDF}: 6237.6/22$

+ sign 3.624 ± 0.123 $\chi^2/\text{NDF}: 9048.8/42$

All: 3.649 ± 0.088 $\chi^2/\text{NDF}: 16286.6/84$

- sign 3.675 ± 0.125 $\chi^2/\text{NDF}: 7237.8/41$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -81.763 ± 0.526 $\chi^2/\text{NDF}: 842.3/17$

Left Out: -51.729 ± 0.158 $\chi^2/\text{NDF}: 19538.0/24$

Right Out: -85.500 ± 0.502 $\chi^2/\text{NDF}: 1608.6/18$

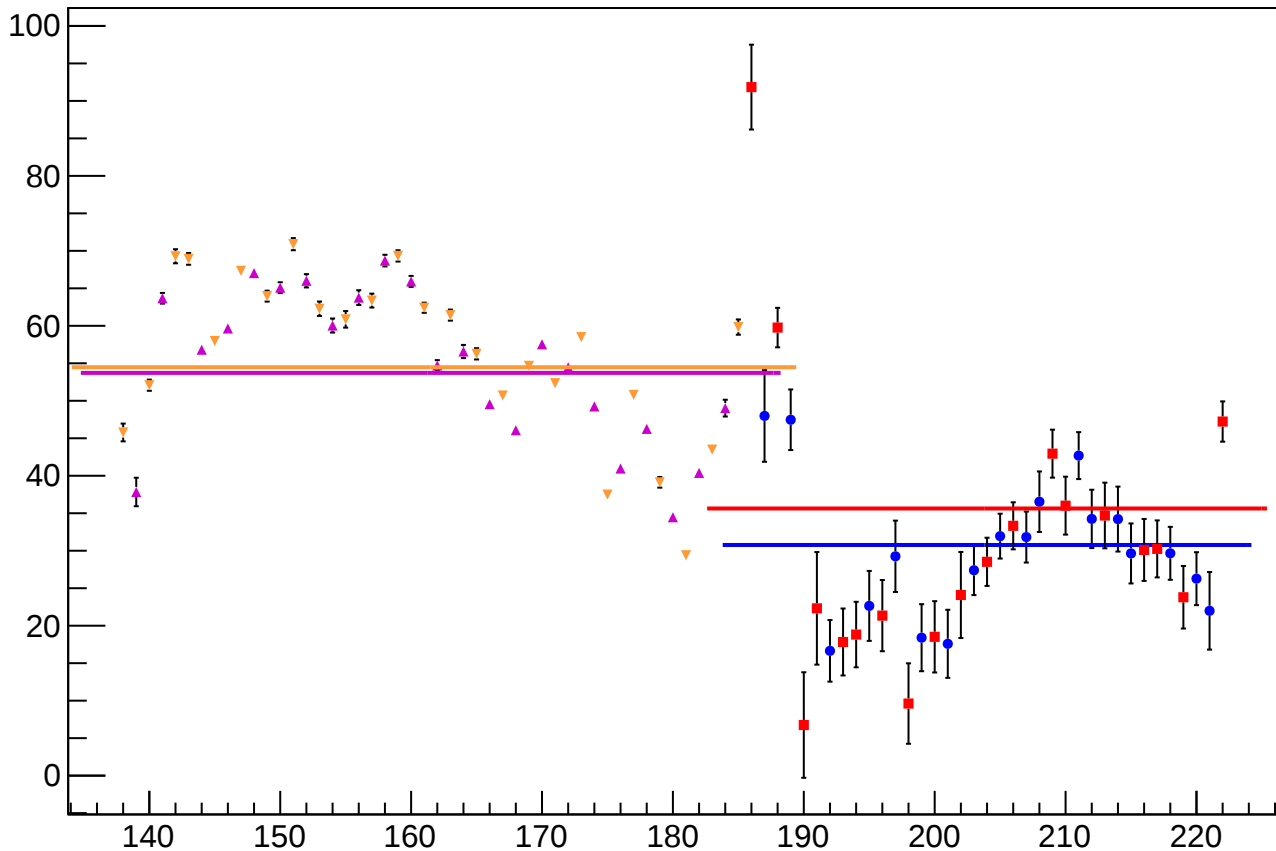
Left In: -50.844 ± 0.160 $\chi^2/\text{NDF}: 17272.0/22$

+ sign -54.208 ± 0.151 $\chi^2/\text{NDF}: 23367.0/42$

All: -54.128 ± 0.107 $\chi^2/\text{NDF}: 46578.5/84$

- sign -54.047 ± 0.153 $\chi^2/\text{NDF}: 23210.9/41$

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 30.767 ± 0.925 χ^2/NDF : 80.0/17

Left Out: 54.476 ± 0.140 χ^2/NDF : 6266.9/24

Right Out: 35.634 ± 0.910 χ^2/NDF : 324.2/18

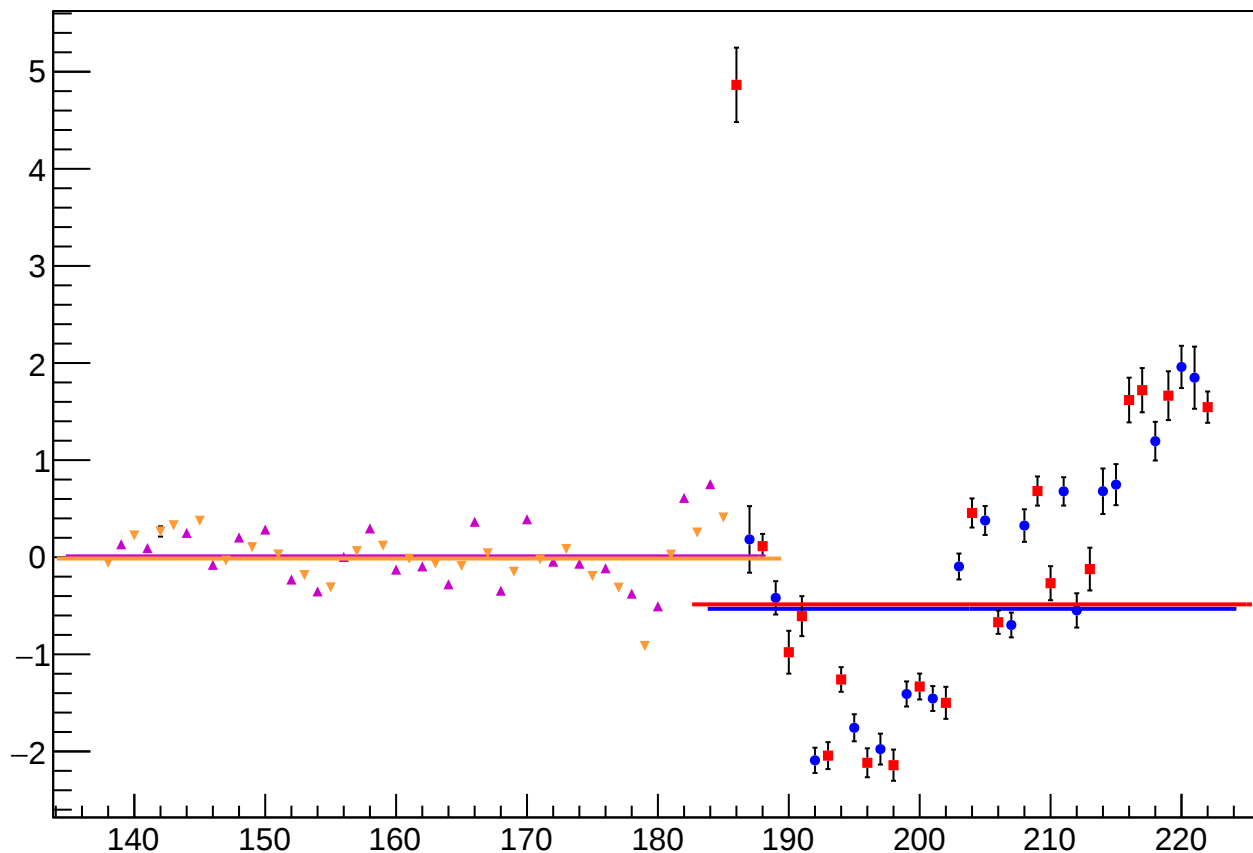
Left In: 53.724 ± 0.143 χ^2/NDF : 4585.7/22

+ sign 53.944 ± 0.139 χ^2/NDF : 6988.7/42

All: 53.621 ± 0.099 χ^2/NDF : 12295.6/84

- sign 53.287 ± 0.141 χ^2/NDF : 5295.9/41

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.531 ± 0.038 χ^2/NDF : 876.1/17

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.486 ± 0.038 χ^2/NDF : 1206.0/18

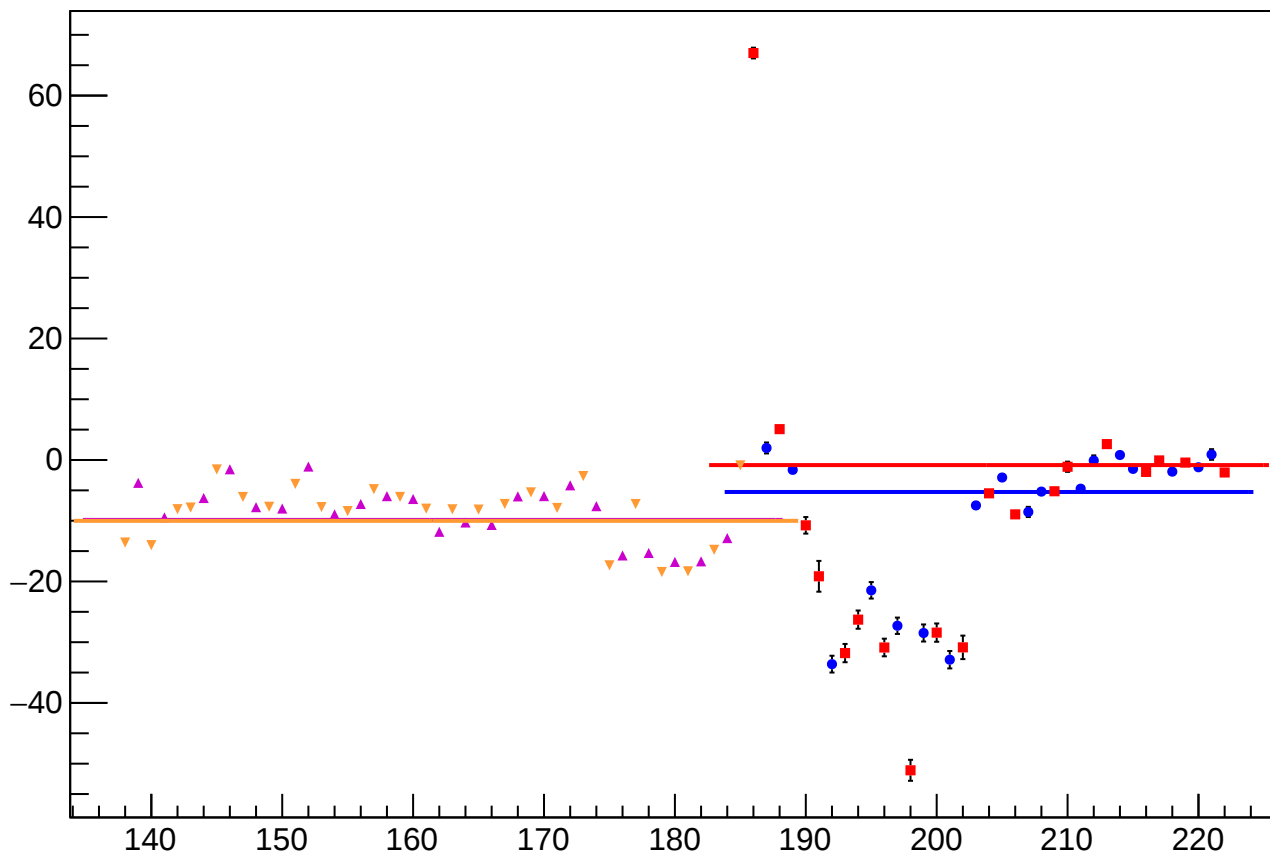
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.028 ± 0.006 χ^2/NDF : 2709.7/42

All: -0.017 ± 0.005 χ^2/NDF : 6310.7/84

- sign -0.006 ± 0.006 χ^2/NDF : 3594.8/41

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.267 ± 0.198 χ^2/NDF : 1832.7/17

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: -0.839 ± 0.193 χ^2/NDF : 8941.9/18

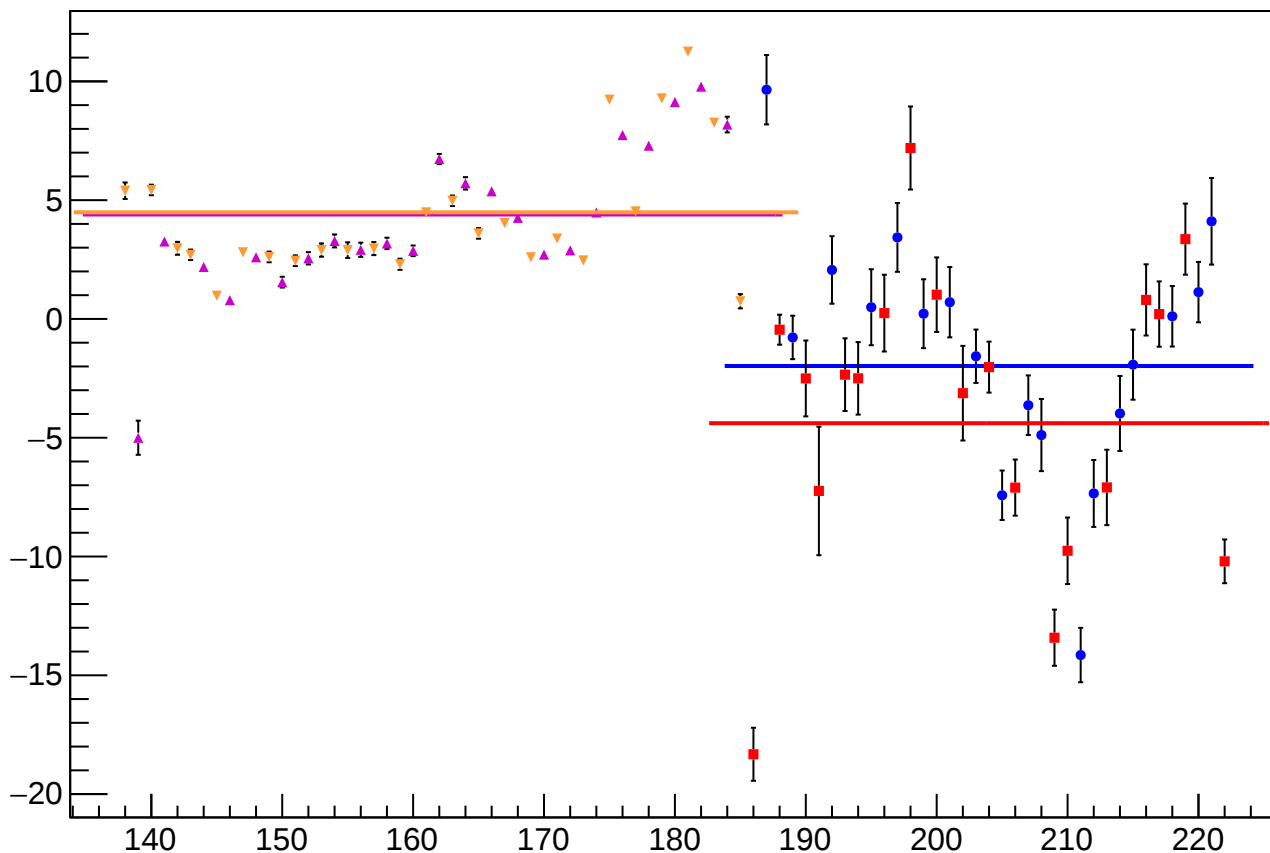
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.725 ± 0.049 χ^2/NDF : 14926.3/42

All: -9.498 ± 0.035 χ^2/NDF : 35304.5/84

- sign -9.266 ± 0.050 χ^2/NDF : 20335.1/41

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -1.980 ± 0.310 χ^2/NDF : 276.9/17

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -4.388 ± 0.290 χ^2/NDF : 441.0/18

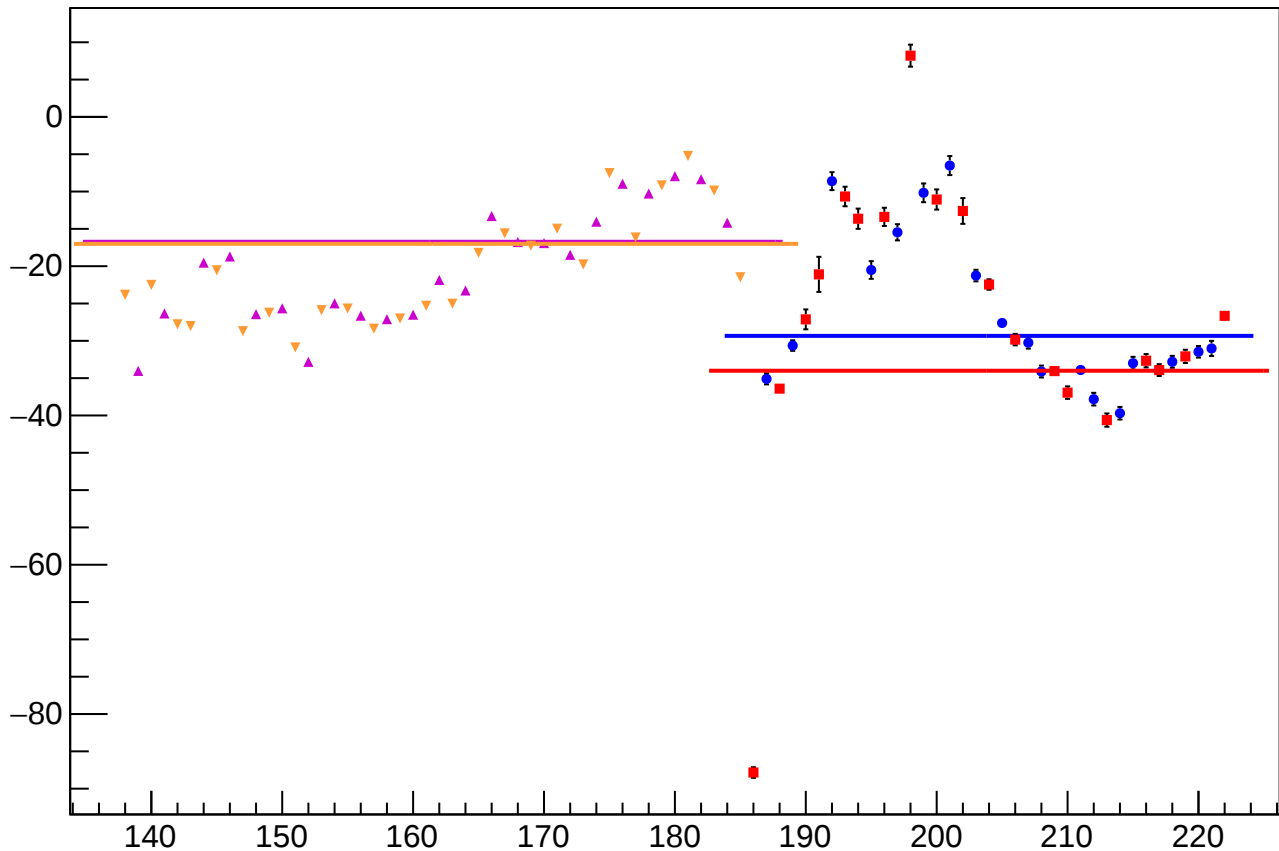
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.379 ± 0.040 χ^2/NDF : 5537.4/42

All: 4.302 ± 0.029 χ^2/NDF : 11115.0/84

- sign 4.222 ± 0.041 χ^2/NDF : 5570.1/41

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -29.335 ± 0.198 $\chi^2/\text{NDF}: 1639.8/17$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -34.007 ± 0.185 $\chi^2/\text{NDF}: 8439.1/18$

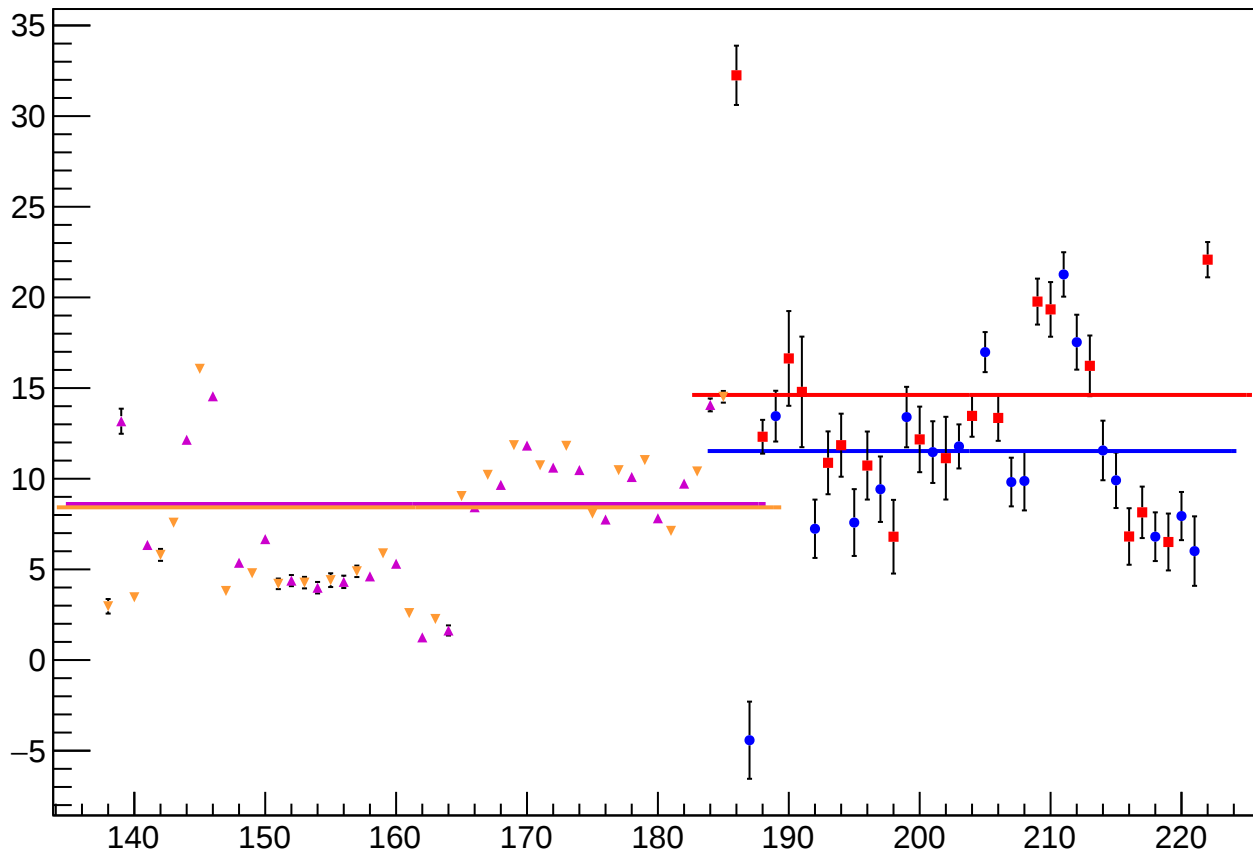
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.775 ± 0.049 $\chi^2/\text{NDF}: 27356.3/42$

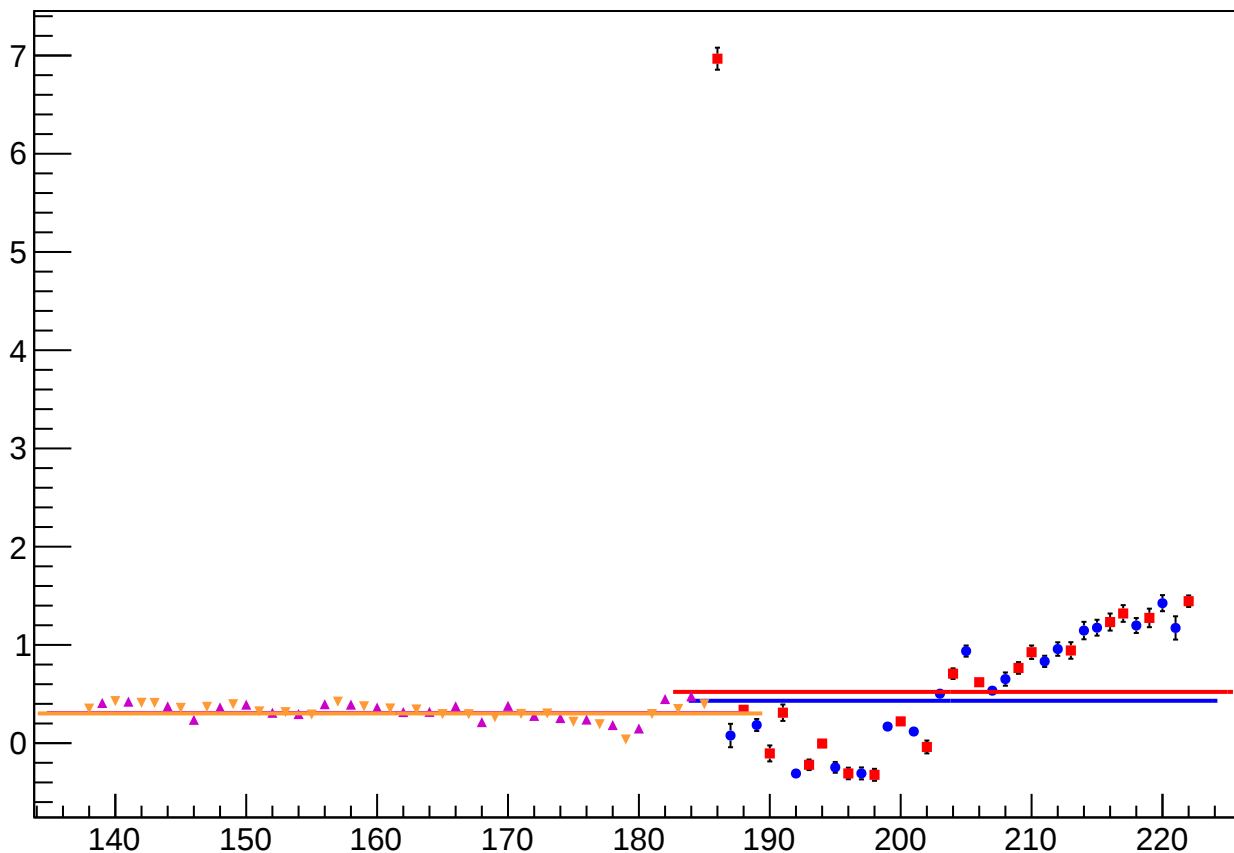
All: -17.874 ± 0.035 $\chi^2/\text{NDF}: 62660.2/84$

- sign -17.974 ± 0.050 $\chi^2/\text{NDF}: 35295.8/41$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.431 $\pm$ 0.015 χ^2 /NDF: 1249.6/17

Left Out: 0.302 $\pm$ 0.002 χ^2 /NDF:1590.9/24

Right Out: 0.522 $\pm$ 0.014 χ^2 /NDF: 4741.5/18

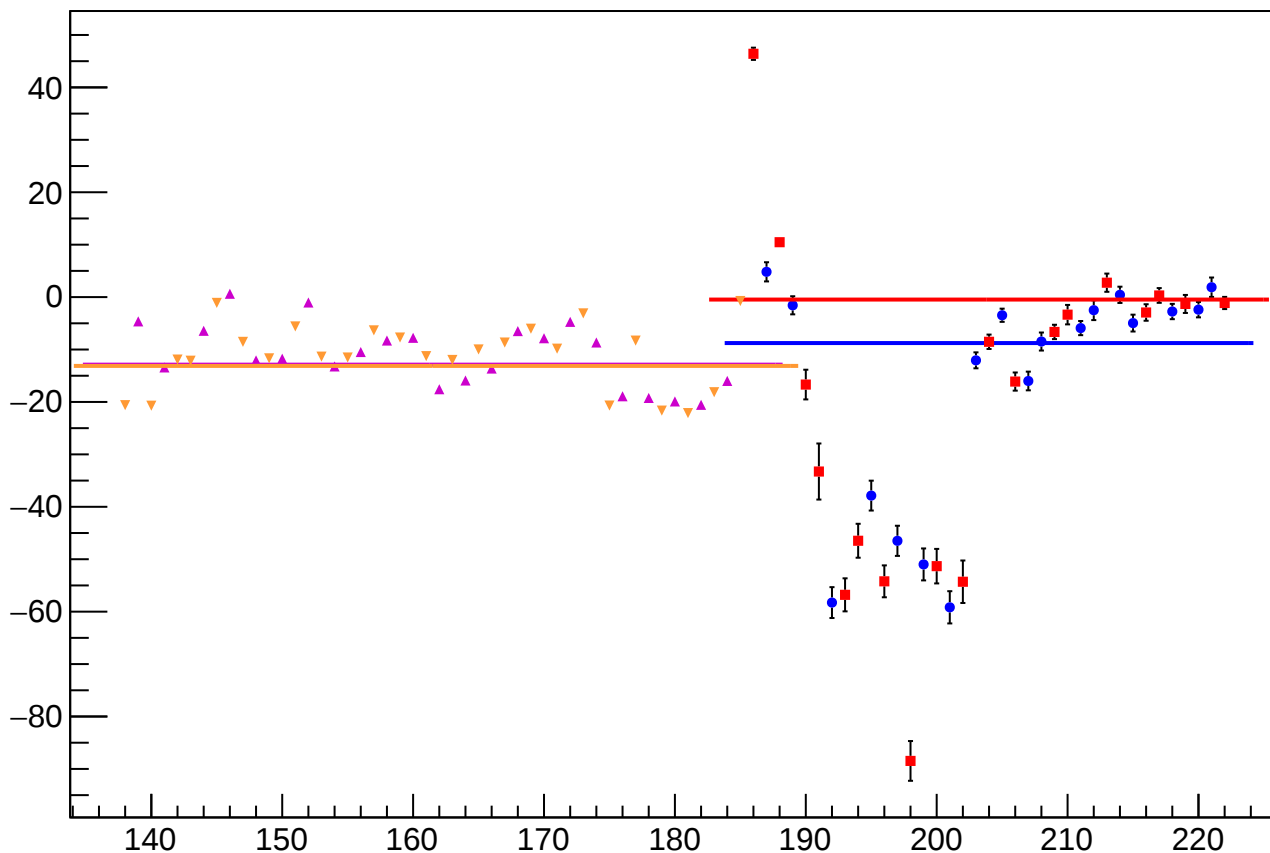
Left In: 0.307 $\pm$ 0.002 χ^2 /NDF:1699.5/22

+ sign 0.305 $\pm$ 0.002 χ^2 /NDF: 2917.1/42

All: 0.308 $\pm$ 0.001 χ^2 /NDF: 9583.0/84

- sign 0.312 $\pm$ 0.002 χ^2 /NDF: 6660.6/41

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -8.766 ± 0.416 χ^2/NDF : 1256.7/17

Left Out: -13.125 ± 0.094 χ^2/NDF : 5977.6/24

Right Out: -0.470 ± 0.390 χ^2/NDF : 3756.1/18

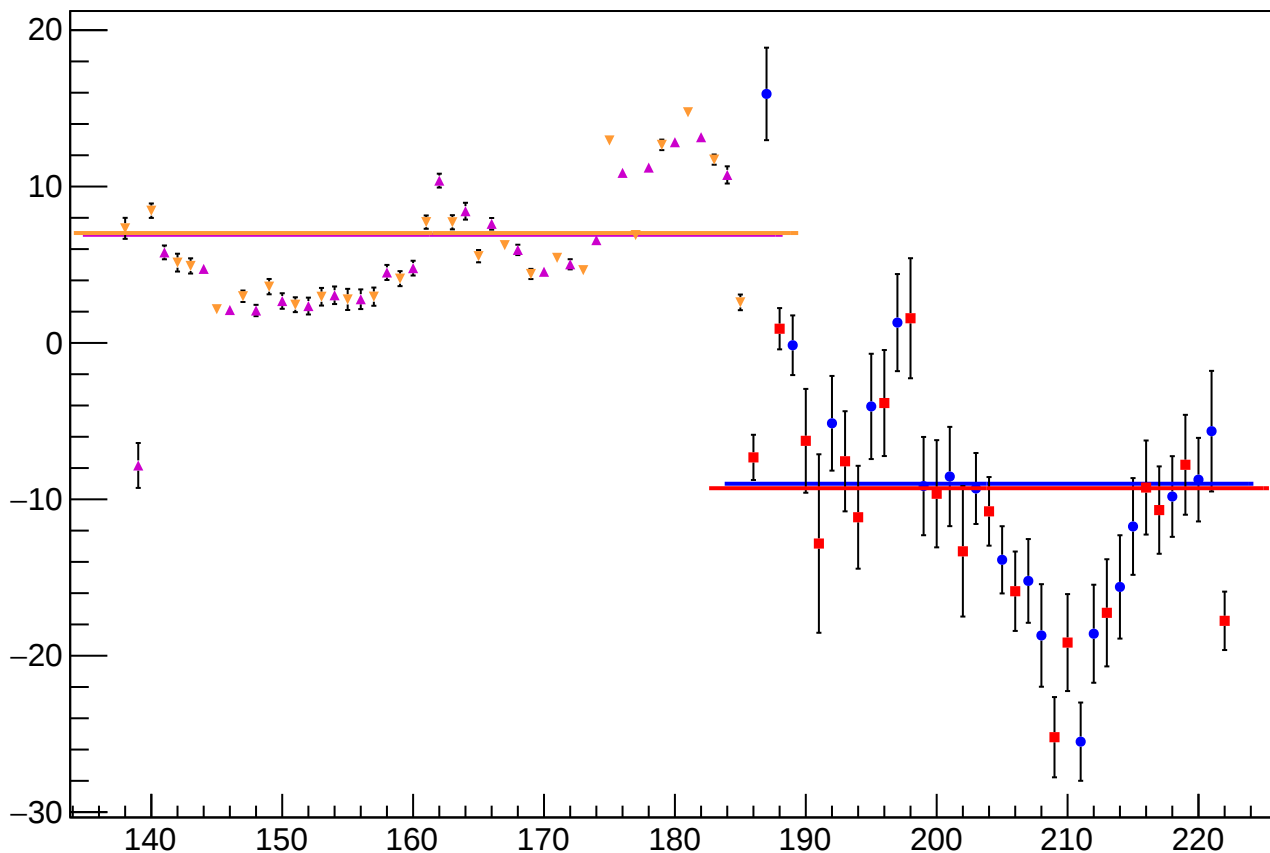
Left In: -12.885 ± 0.095 χ^2/NDF : 4776.2/22

+ sign -12.915 ± 0.091 χ^2/NDF : 7338.8/42

All: -12.555 ± 0.065 χ^2/NDF : 16859.5/84

- sign -12.188 ± 0.092 χ^2/NDF : 9489.4/41

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -9.003 ± 0.652 χ^2/NDF : 185.1/17

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -9.289 ± 0.578 χ^2/NDF : 157.3/18

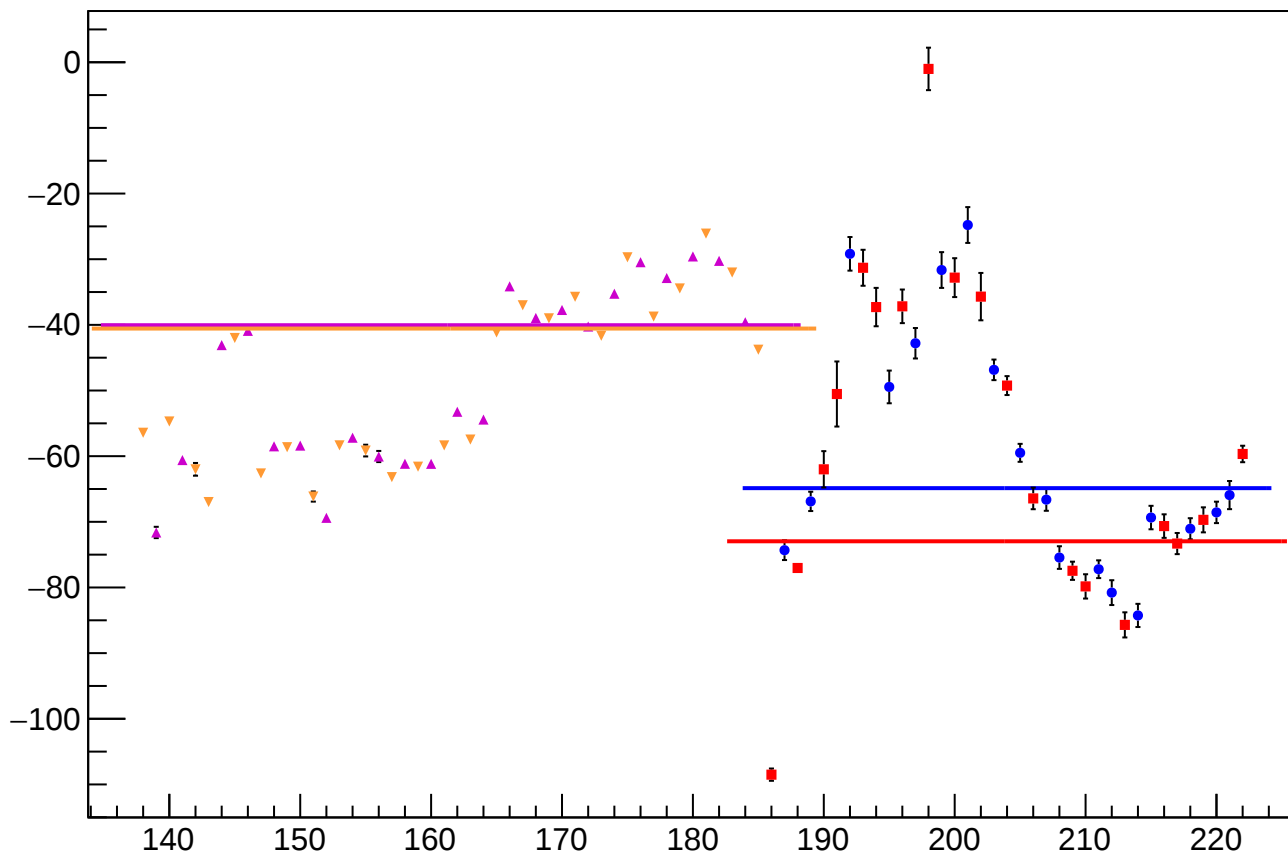
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 6.806 ± 0.077 χ^2/NDF : 3445.9/42

All: 6.717 ± 0.054 χ^2/NDF : 6805.1/84

- sign 6.626 ± 0.077 χ^2/NDF : 3356.4/41

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -64.871 ± 0.417 $\chi^2/\text{NDF}: 1217.0/17$

Left Out: -40.563 ± 0.095 $\chi^2/\text{NDF}: 15637.6/24$

Right Out: -72.965 ± 0.370 $\chi^2/\text{NDF}: 3341.9/18$

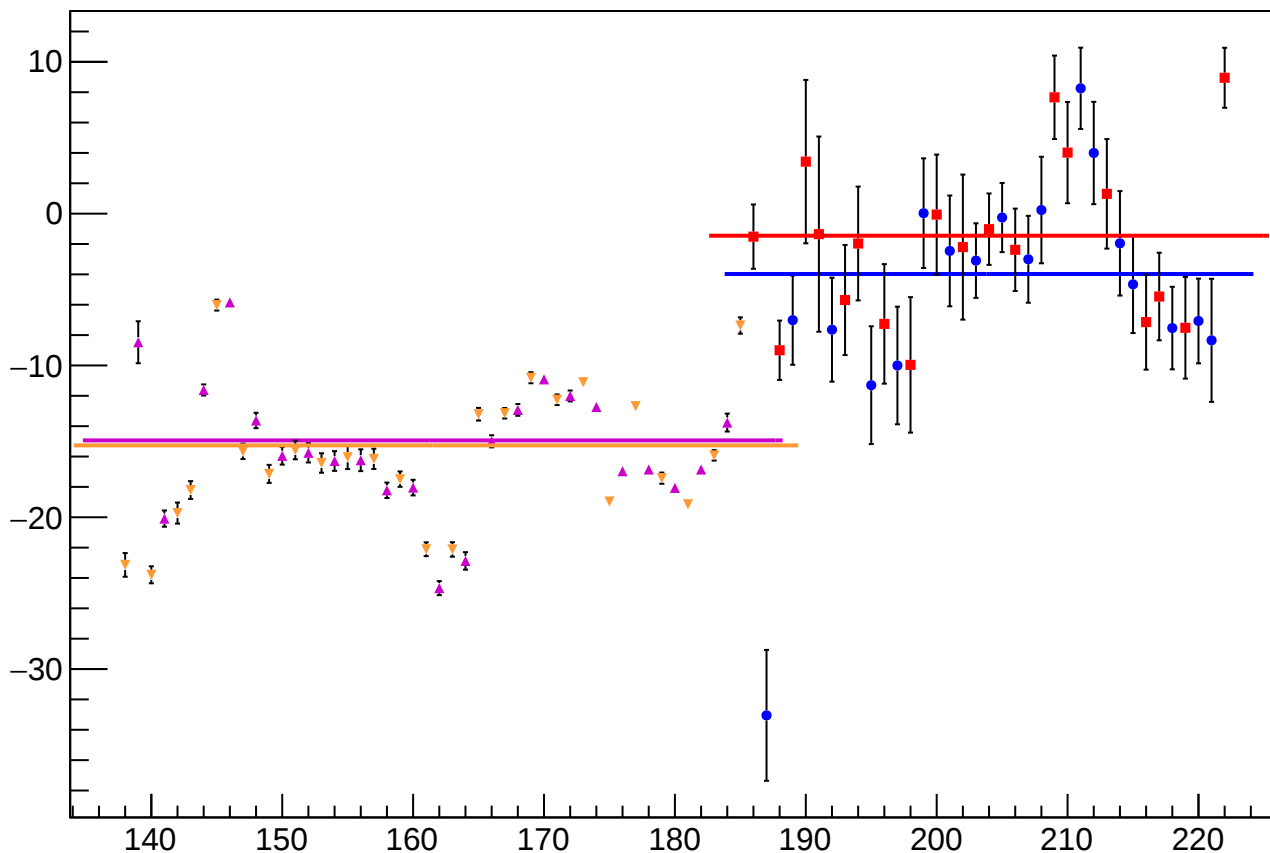
Left In: -40.053 ± 0.096 $\chi^2/\text{NDF}: 13927.3/22$

+ sign -41.753 ± 0.092 $\chi^2/\text{NDF}: 20079.9/42$

All: -41.935 ± 0.065 $\chi^2/\text{NDF}: 44784.0/84$

- sign -42.118 ± 0.093 $\chi^2/\text{NDF}: 24696.4/41$

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -3.977 ± 0.738 $\chi^2/\text{NDF}: 90.4/17$

Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$

Right Out: -1.453 ± 0.691 $\chi^2/\text{NDF}: 73.7/18$

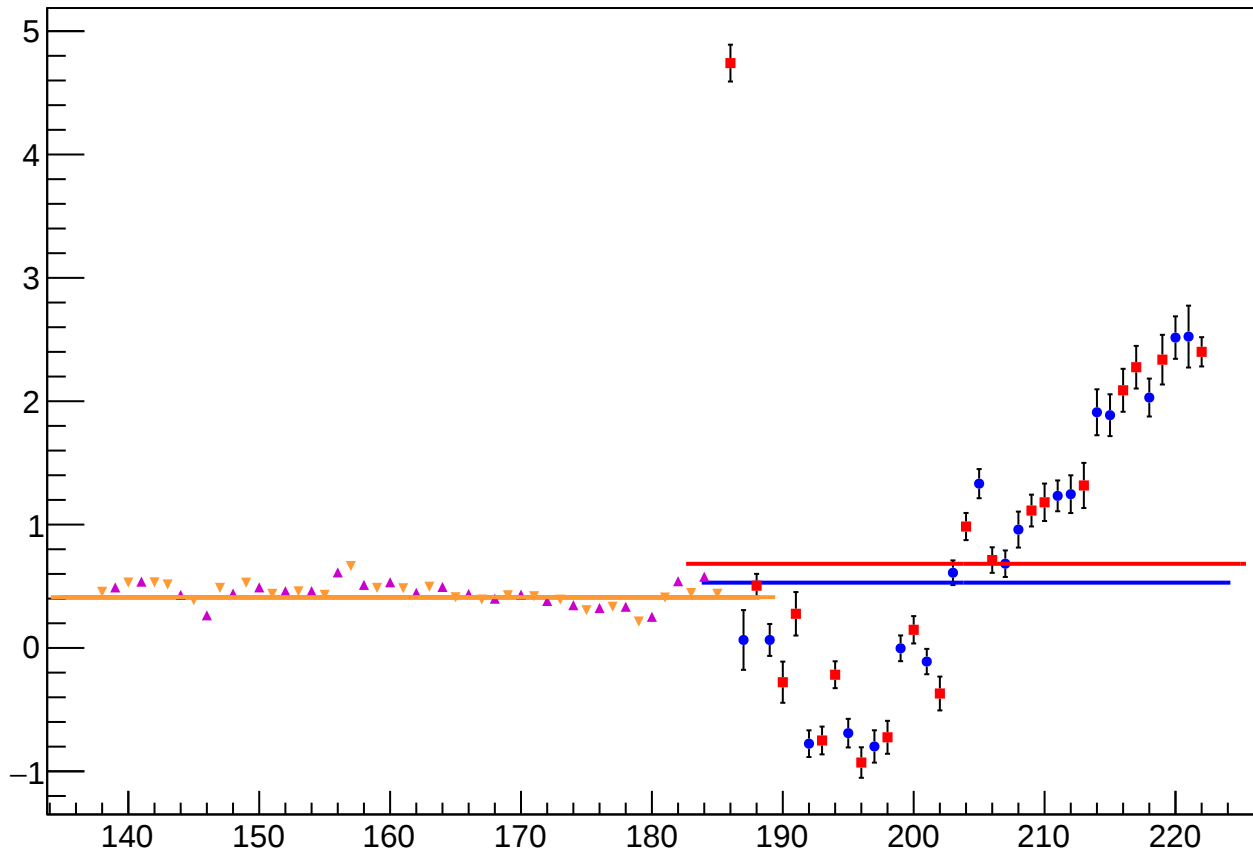
Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

+ sign -15.115 ± 0.085 $\chi^2/\text{NDF}: 2916.6/42$

All: -14.923 ± 0.061 $\chi^2/\text{NDF}: 5575.5/84$

- sign -14.726 ± 0.086 $\chi^2/\text{NDF}: 2648.7/41$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.529 ± 0.031 $\chi^2/\text{NDF}: 962.0/17$

Left Out: 0.411 ± 0.004 $\chi^2/\text{NDF}: 428.7/24$

Right Out: 0.682 ± 0.030 $\chi^2/\text{NDF}: 1842.2/18$

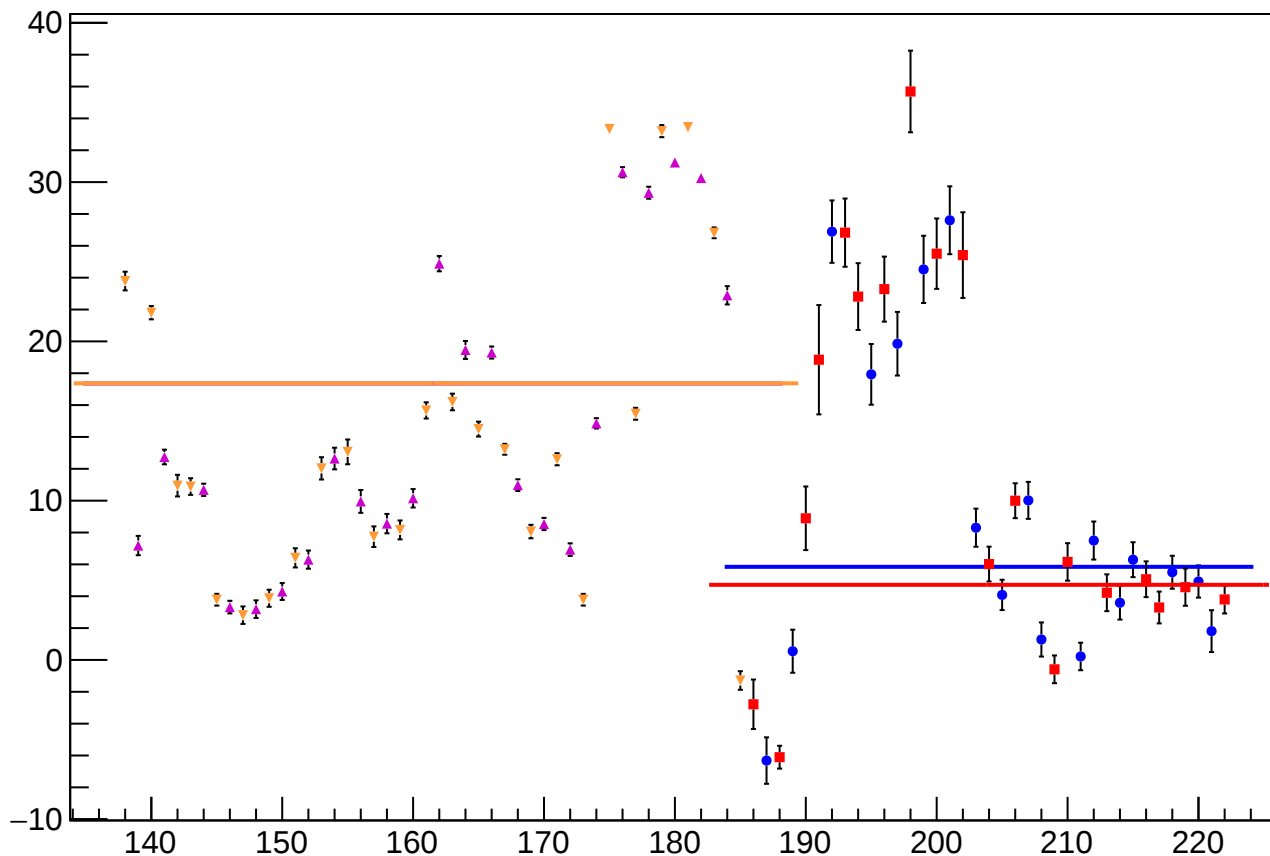
Left In: 0.409 ± 0.004 $\chi^2/\text{NDF}: 557.8/22$

+ sign 0.413 ± 0.004 $\chi^2/\text{NDF}: 1405.0/42$

All: 0.414 ± 0.003 $\chi^2/\text{NDF}: 3886.4/84$

- sign 0.414 ± 0.004 $\chi^2/\text{NDF}: 2481.3/41$

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 5.846 $\pm$ 0.290 χ^2 /NDF: 570.4/17

Left Out: 17.367 $\pm$ 0.087 χ^2 /NDF:16337.6/24

Right Out: 4.716 $\pm$ 0.287 χ^2 /NDF: 896.8/18

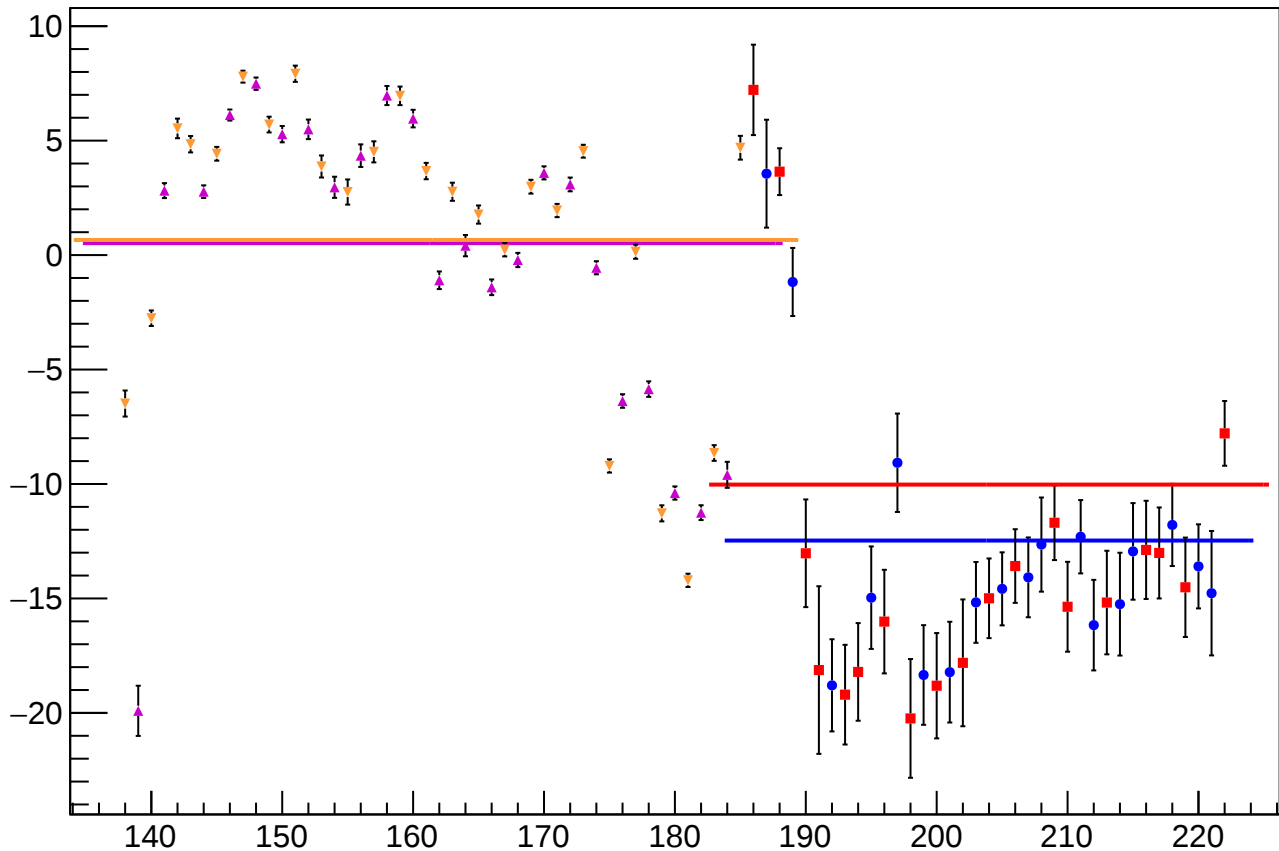
Left In: 17.355 $\pm$ 0.089 χ^2 /NDF:12745.1/22

+ sign 16.411 $\pm$ 0.083 χ^2 /NDF: 18359.6/42

All: 16.331 $\pm$ 0.059 χ^2 /NDF: 33775.7/84

- sign 16.247 $\pm$ 0.085 χ^2 /NDF: 15414.2/41

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -12.471 ± 0.456 χ^2/NDF : 142.8/17

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: -10.026 ± 0.435 χ^2/NDF : 376.3/18

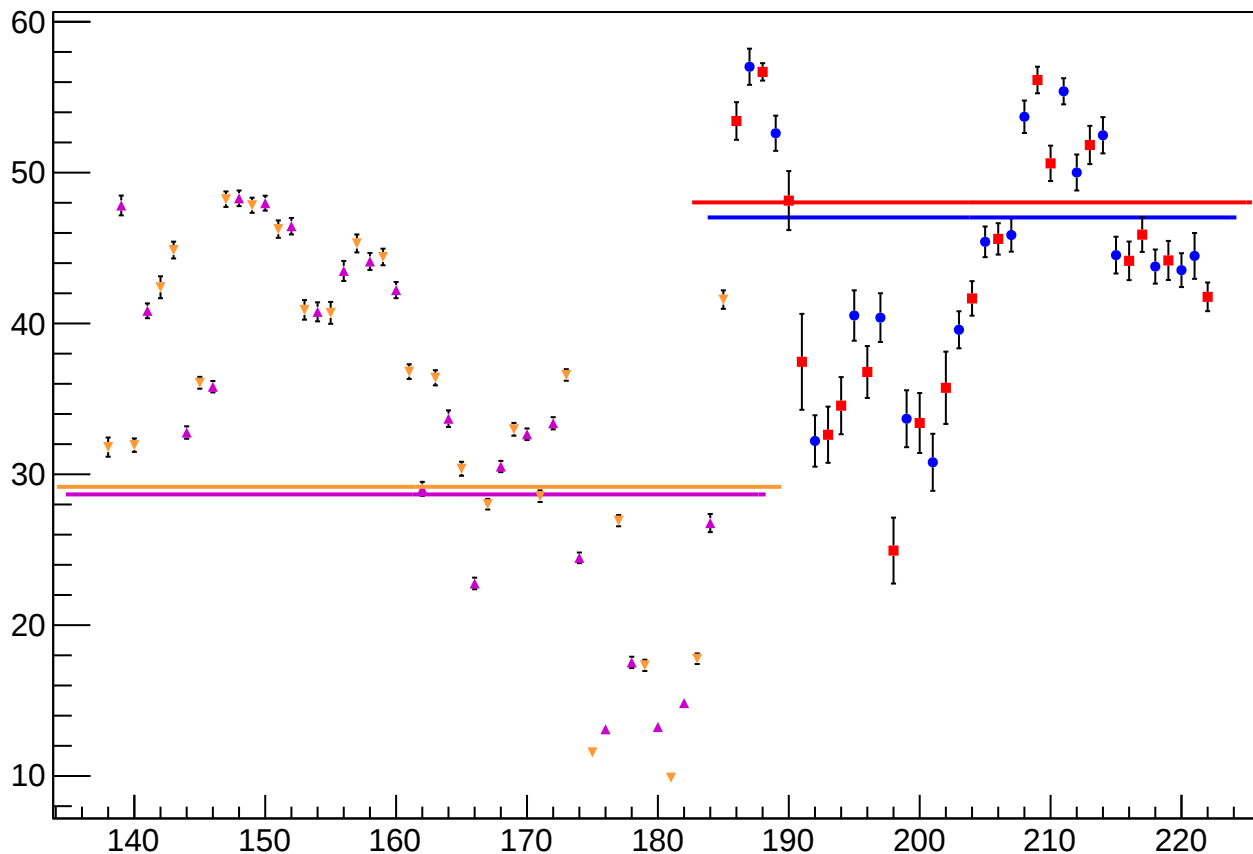
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.364 ± 0.069 χ^2/NDF : 9506.0/42

All: 0.309 ± 0.049 χ^2/NDF : 17187.1/84

- sign 0.251 ± 0.070 χ^2/NDF : 7679.8/41

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 47.029 $\pm$ 0.291 χ^2 /NDF: 547.8/17

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 48.027 $\pm$ 0.278 χ^2 /NDF: 807.0/18

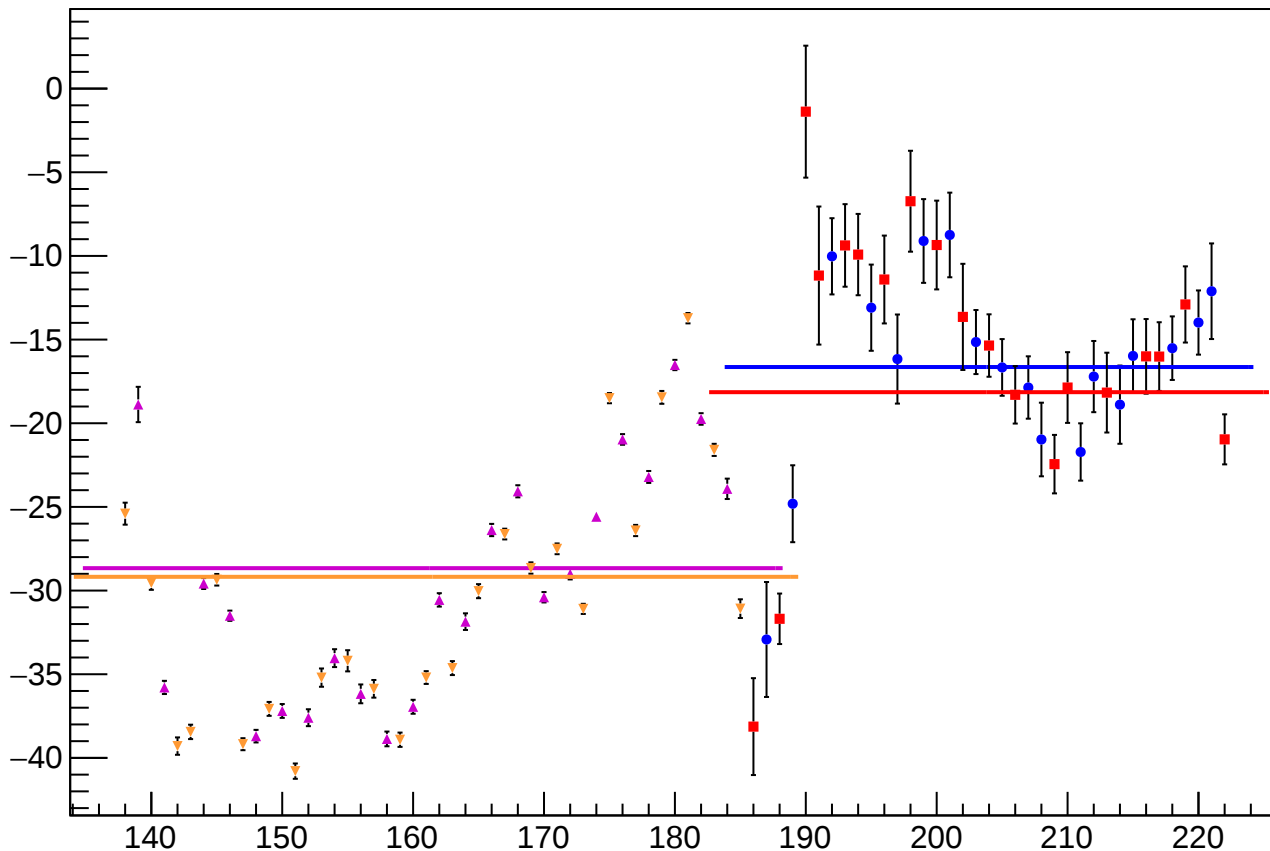
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 30.660 $\pm$ 0.084 χ^2 /NDF: 22973.1/42

All: 30.566 $\pm$ 0.060 χ^2 /NDF: 45024.2/84

- sign 30.470 $\pm$ 0.085 χ^2 /NDF: 22048.6/41

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -16.640 ± 0.512 χ^2/NDF : 83.8/17

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -18.143 ± 0.504 χ^2/NDF : 226.3/18

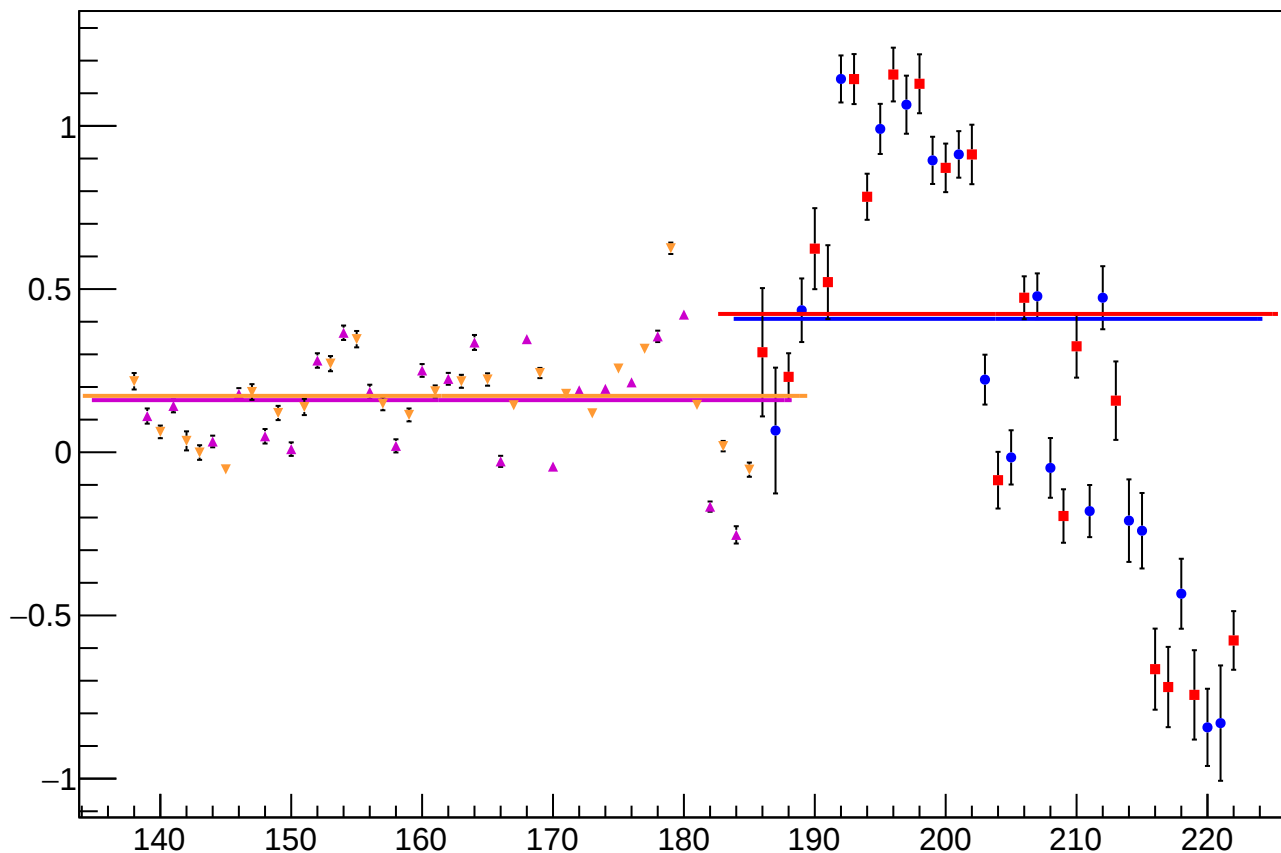
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -28.892 ± 0.077 χ^2/NDF : 9751.3/42

All: -28.652 ± 0.055 χ^2/NDF : 17092.9/84

- sign -28.403 ± 0.079 χ^2/NDF : 7321.9/41

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.409 ± 0.021 χ^2/NDF : 705.0/17

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.424 ± 0.021 χ^2/NDF : 788.0/18

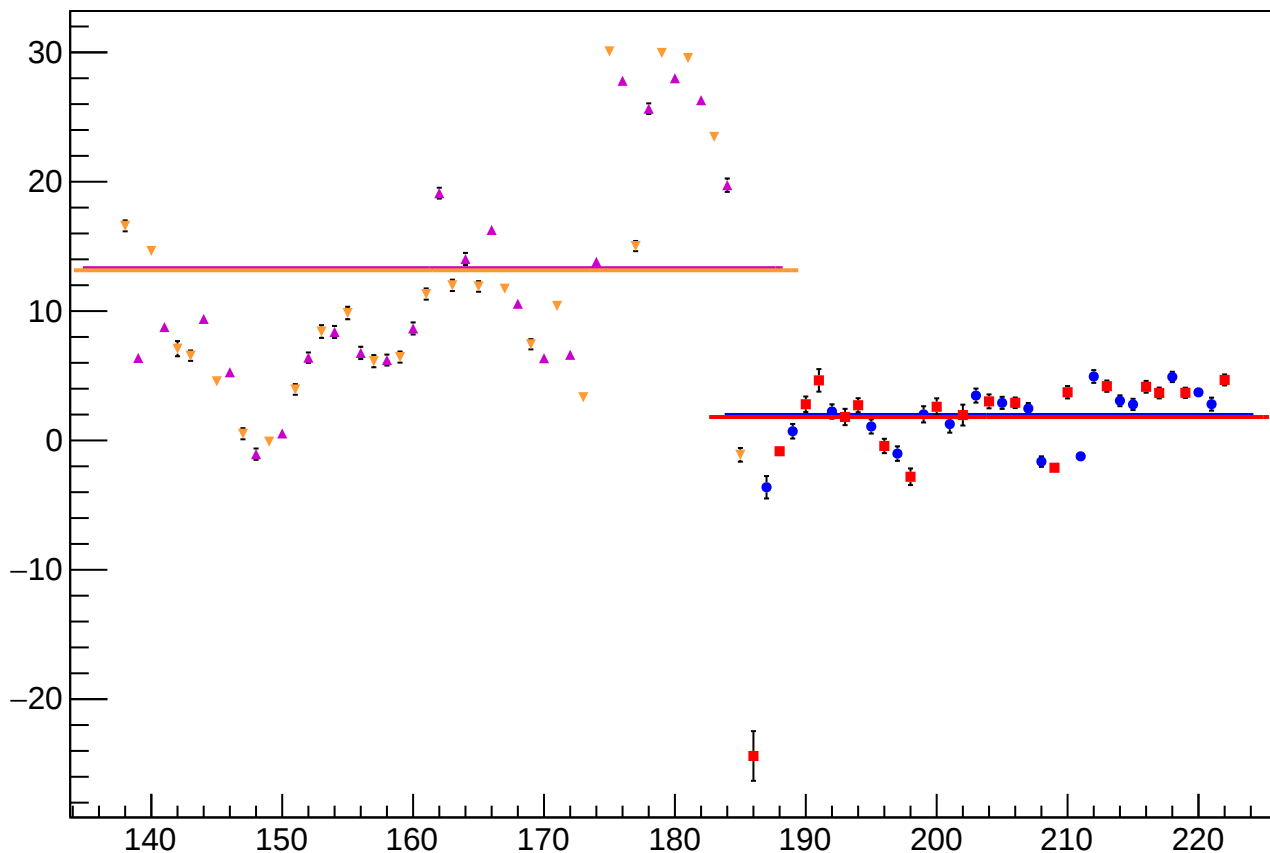
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.179 ± 0.004 χ^2/NDF : 2304.6/42

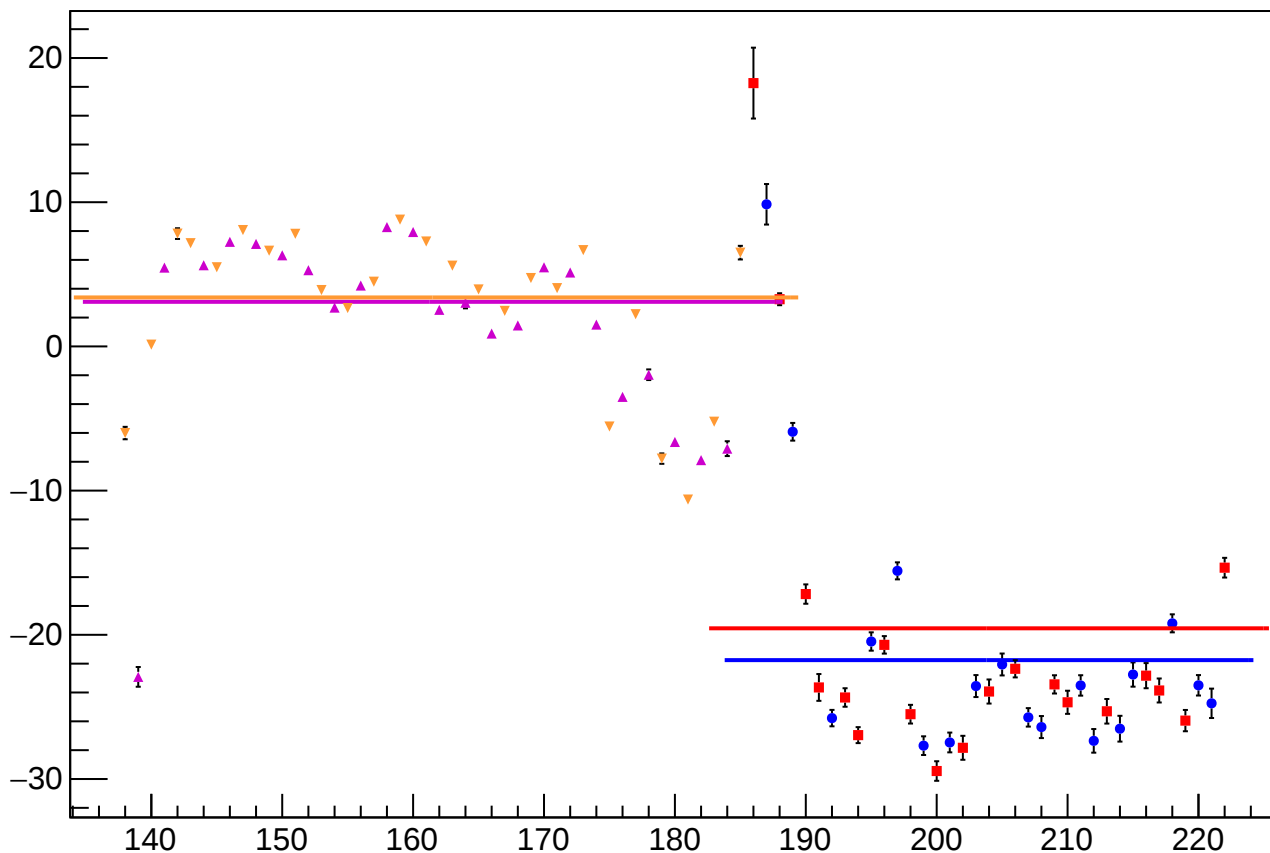
All: 0.174 ± 0.003 χ^2/NDF : 5311.8/84

- sign 0.168 ± 0.004 χ^2/NDF : 3001.7/41

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -21.756 ± 0.168 χ^2/NDF : 1683.0/17

Left Out: 3.396 ± 0.058 χ^2/NDF : 8101.5/24

Right Out: -19.550 ± 0.158 χ^2/NDF : 4264.9/18

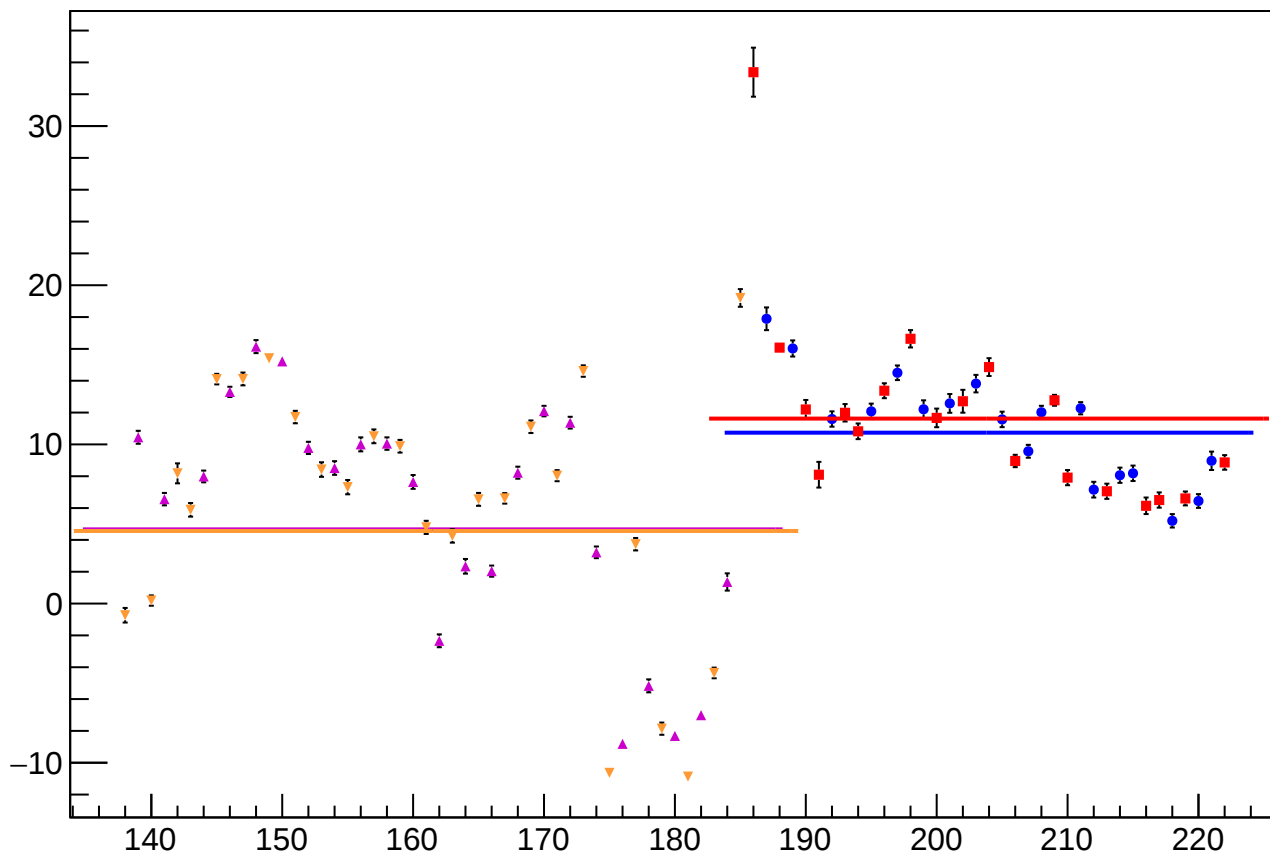
Left In: 3.092 ± 0.061 χ^2/NDF : 7104.4/22

+ sign 0.690 ± 0.055 χ^2/NDF : 29754.9/42

All: 0.443 ± 0.039 χ^2/NDF : 59119.6/84

- sign 0.183 ± 0.057 χ^2/NDF : 29323.5/41

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 10.736+/-0.113 χ^2/NDF : 764.2/17

Left Out: 4.561+/-0.075 χ^2/NDF :13592.1/24

Right Out: 11.621+/-0.106 χ^2/NDF : 1339.8/18

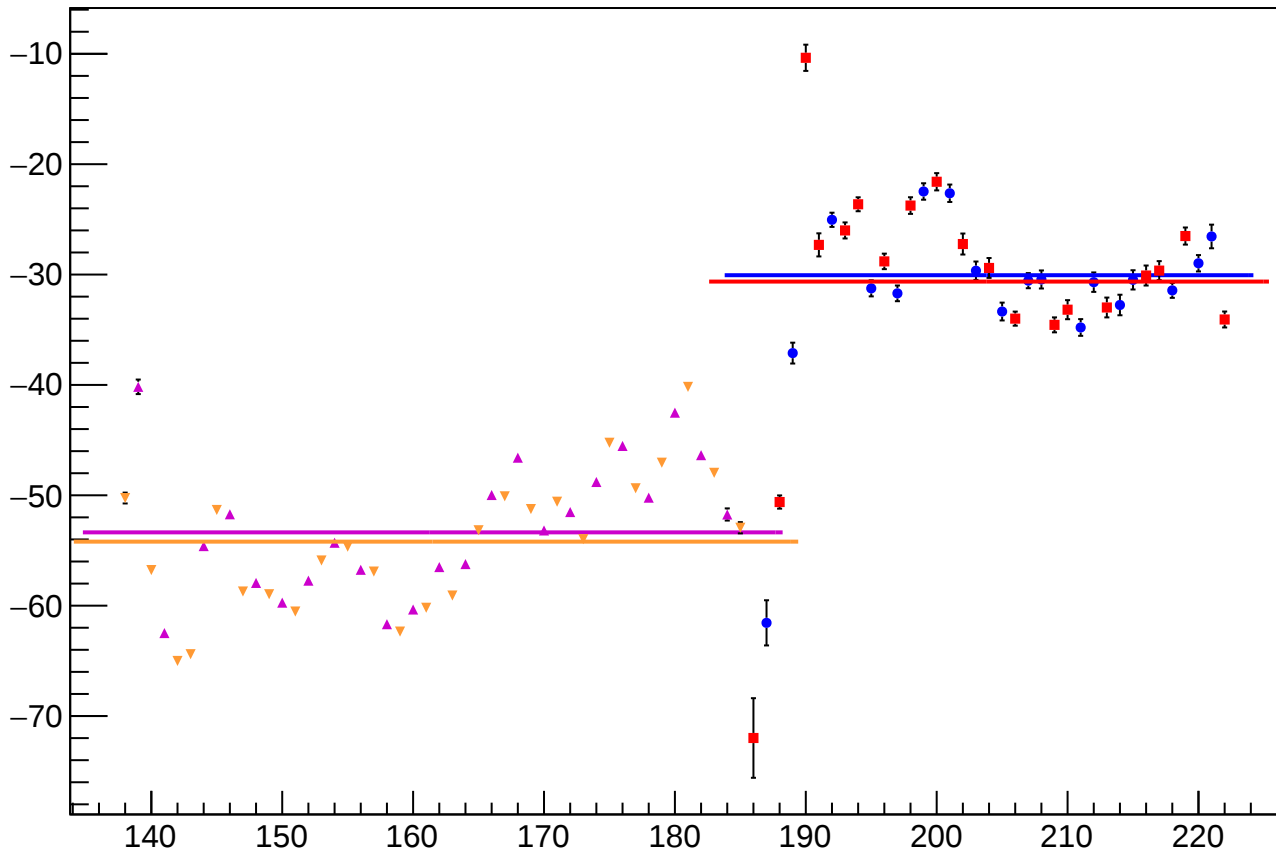
Left In: 4.662+/-0.077 χ^2/NDF :11281.5/22

+ sign 6.464+/-0.063 χ^2/NDF : 16424.4/42

All: 6.766+/-0.044 χ^2/NDF : 31923.3/84

- sign 7.063+/-0.062 χ^2/NDF : 15452.9/41

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -30.059 ± 0.189 χ^2/NDF : 636.7/17

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -30.636 ± 0.183 χ^2/NDF : 2076.6/18

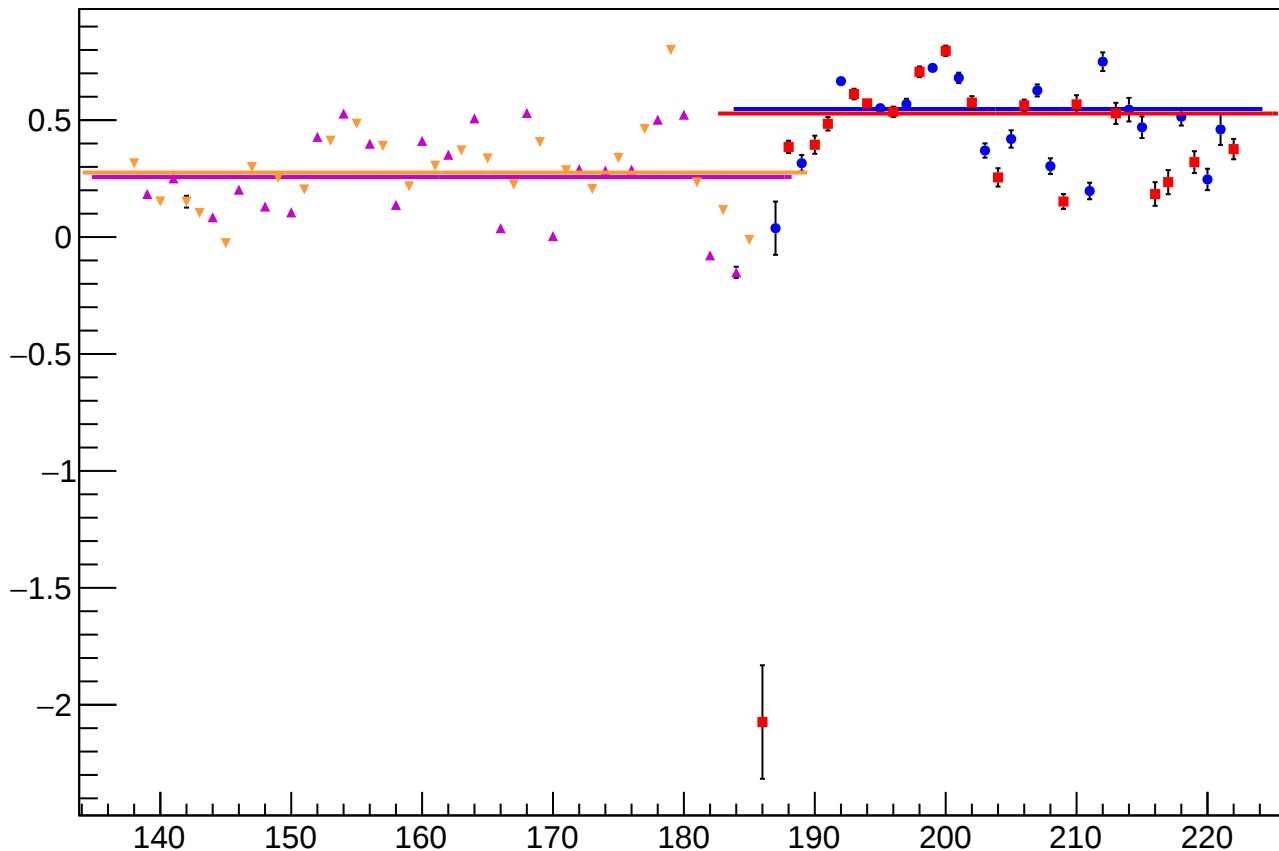
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -51.544 ± 0.063 χ^2/NDF : 23631.6/42

All: -51.061 ± 0.045 χ^2/NDF : 46299.9/84

- sign -50.554 ± 0.064 χ^2/NDF : 22546.3/41

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.548 ± 0.007 $\chi^2/\text{NDF}: 482.3/17$

Left Out: 0.276 ± 0.003 $\chi^2/\text{NDF}: 2623.6/24$

Right Out: 0.528 ± 0.007 $\chi^2/\text{NDF}: 694.7/18$

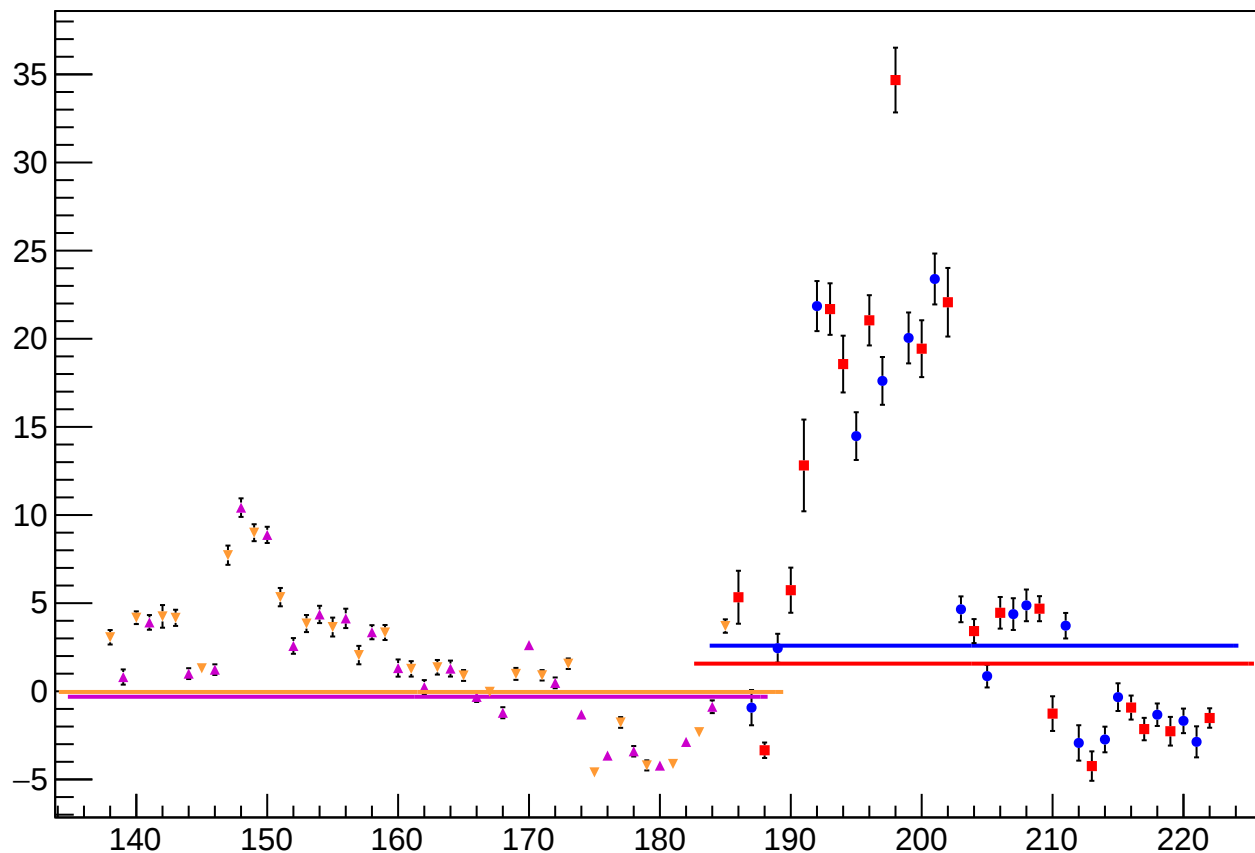
Left In: 0.257 ± 0.003 $\chi^2/\text{NDF}: 3623.9/22$

+ sign 0.318 ± 0.003 $\chi^2/\text{NDF}: 4321.4/42$

All: 0.311 ± 0.002 $\chi^2/\text{NDF}: 9986.2/84$

- sign 0.304 ± 0.003 $\chi^2/\text{NDF}: 5653.3/41$

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.589 ± 0.204 χ^2/NDF : 989.0/17

Left Out: -0.037 ± 0.066 χ^2/NDF : 2637.7/24

Right Out: 1.569 ± 0.196 χ^2/NDF : 1401.5/18

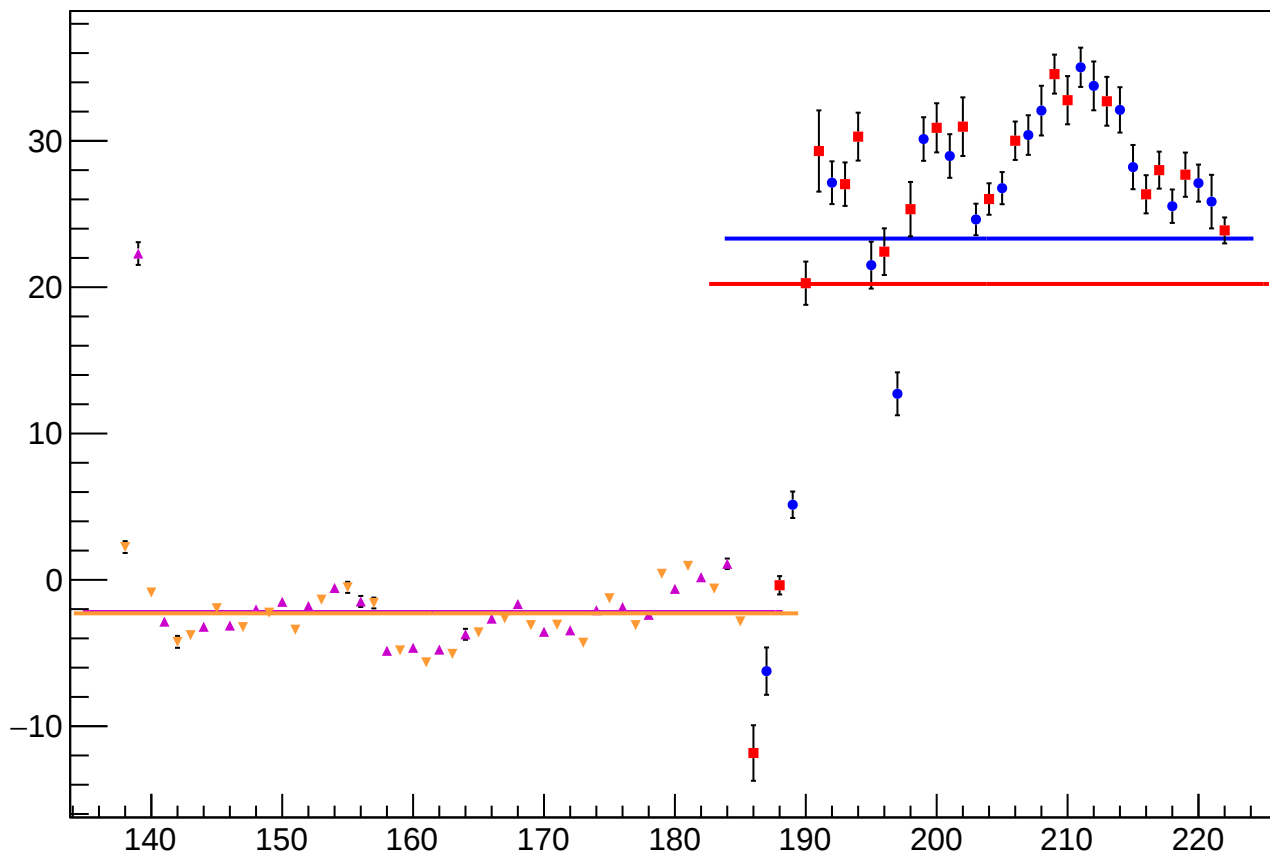
Left In: -0.310 ± 0.067 χ^2/NDF : 2250.5/22

+ sign 0.211 ± 0.063 χ^2/NDF : 3776.5/42

All: 0.052 ± 0.045 χ^2/NDF : 7523.5/84

- sign -0.112 ± 0.064 χ^2/NDF : 3733.9/41

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 23.323 ± 0.318 $\chi^2/\text{NDF}: 1071.0/17$

Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$

Right Out: 20.221 ± 0.299 $\chi^2/\text{NDF}: 1925.4/18$

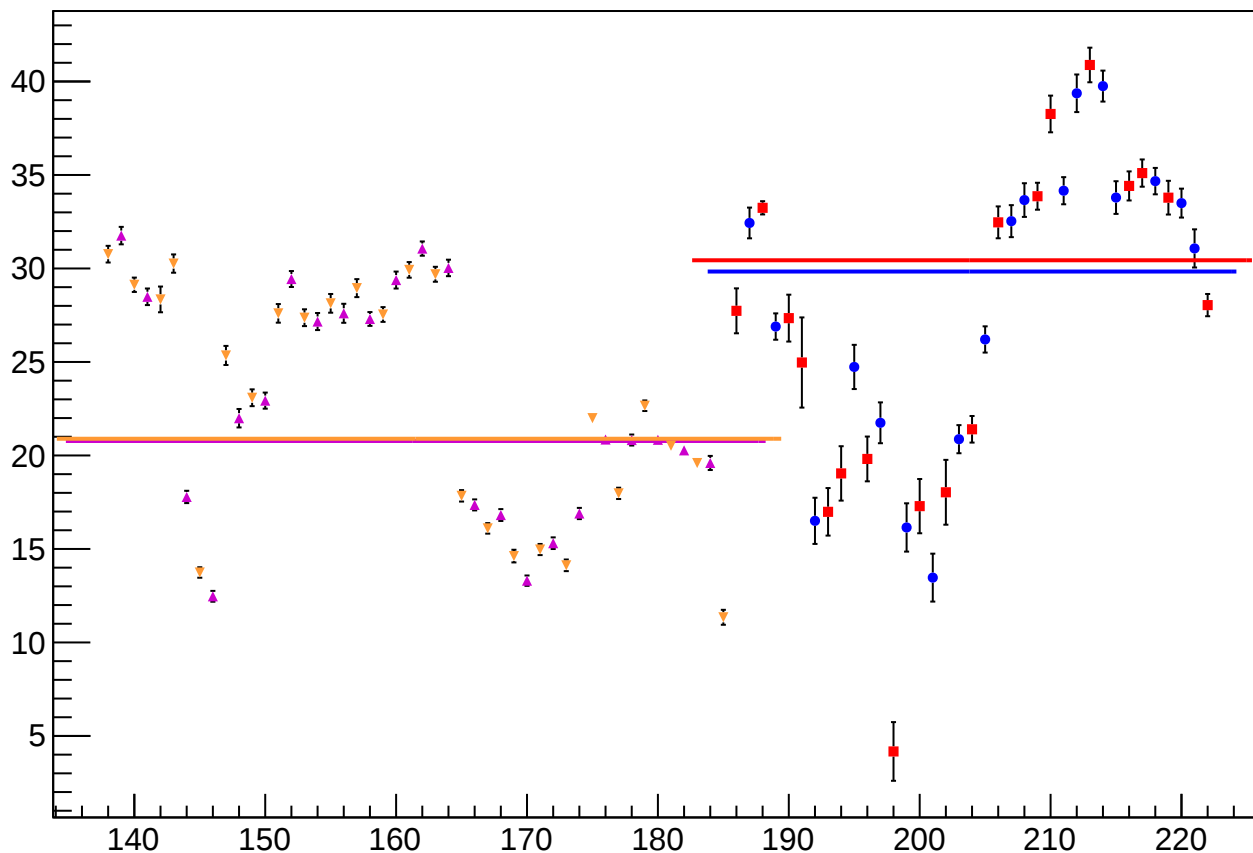
Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -1.568 ± 0.053 $\chi^2/\text{NDF}: 8497.8/42$

All: -1.516 ± 0.038 $\chi^2/\text{NDF}: 17531.7/84$

- sign -1.462 ± 0.054 $\chi^2/\text{NDF}: 9032.0/41$

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 29.837 ± 0.206 $\chi^2/\text{NDF}: 1050.0/17$

Left Out: 20.894 ± 0.067 $\chi^2/\text{NDF}: 6655.4/24$

Right Out: 30.438 ± 0.190 $\chi^2/\text{NDF}: 1222.6/18$

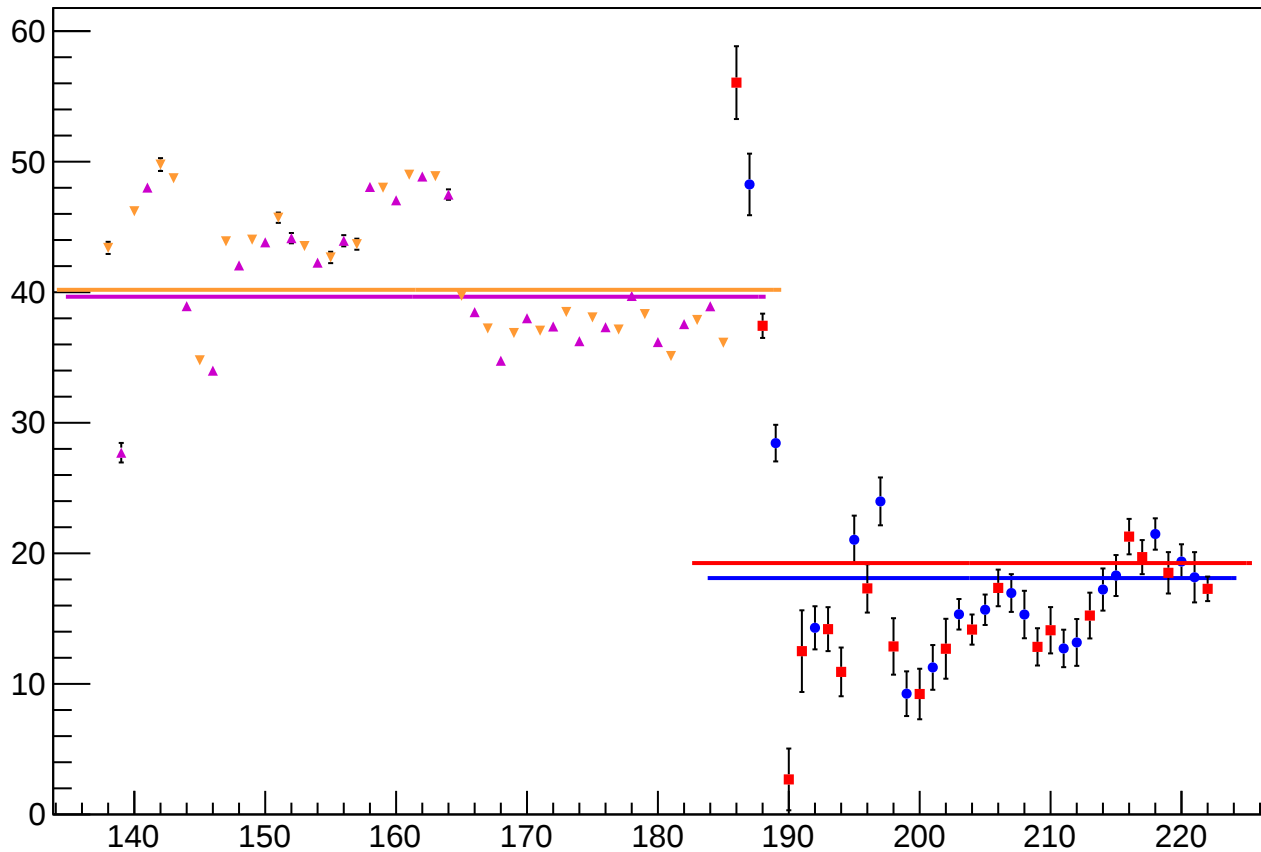
Left In: 20.774 ± 0.068 $\chi^2/\text{NDF}: 5927.9/22$

+ sign 21.744 ± 0.063 $\chi^2/\text{NDF}: 9413.5/42$

All: 21.798 ± 0.045 $\chi^2/\text{NDF}: 18852.1/84$

- sign 21.853 ± 0.064 $\chi^2/\text{NDF}: 9437.1/41$

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 18.106 $\pm$ 0.360 χ^2/NDF : 322.4/17

Left Out: 40.186 $\pm$ 0.060 χ^2/NDF : 5932.7/24

Right Out: 19.255 $\pm$ 0.349 χ^2/NDF : 745.8/18

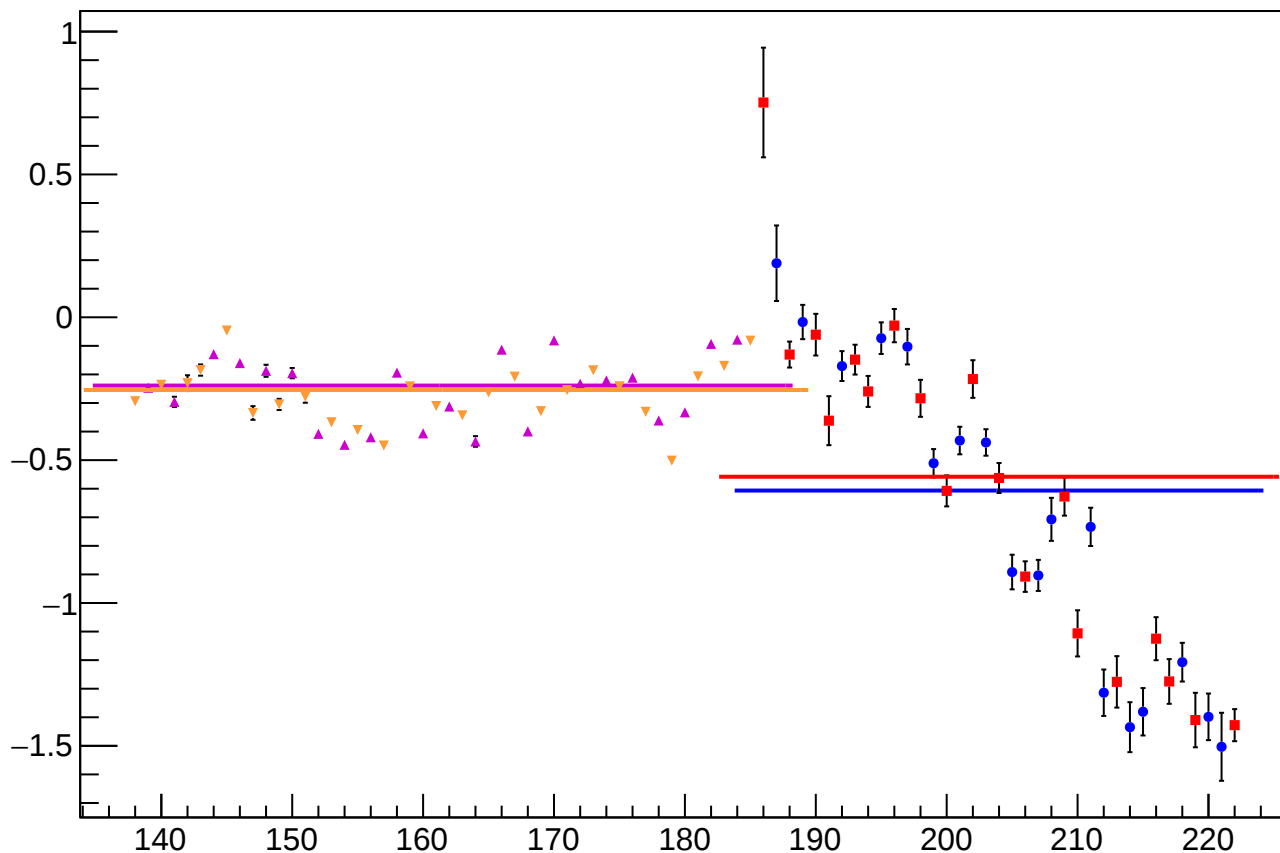
Left In: 39.655 $\pm$ 0.061 χ^2/NDF : 5298.6/22

+ sign 39.583 $\pm$ 0.060 χ^2/NDF : 9904.7/42

All: 39.316 $\pm$ 0.042 χ^2/NDF : 19308.8/84

- sign 39.041 $\pm$ 0.061 χ^2/NDF : 9363.3/41

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.606 ± 0.015 χ^2/NDF : 930.6/17

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.558 ± 0.015 χ^2/NDF : 1020.3/18

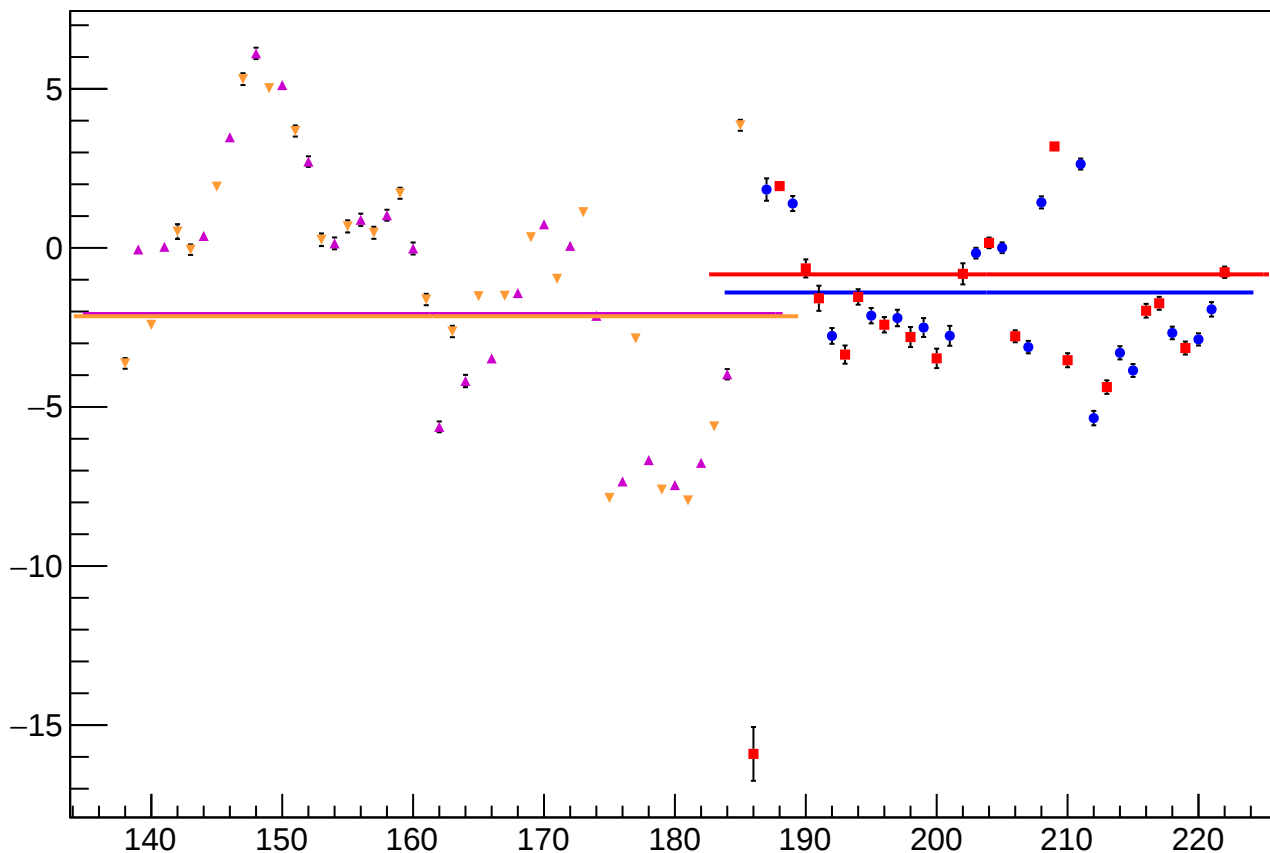
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.266 ± 0.003 χ^2/NDF : 2886.1/42

All: -0.258 ± 0.002 χ^2/NDF : 6128.6/84

- sign -0.250 ± 0.003 χ^2/NDF : 3225.4/41

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.401 ± 0.051 χ^2/NDF : 1905.7/17

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.832 ± 0.048 χ^2/NDF : 2595.7/18

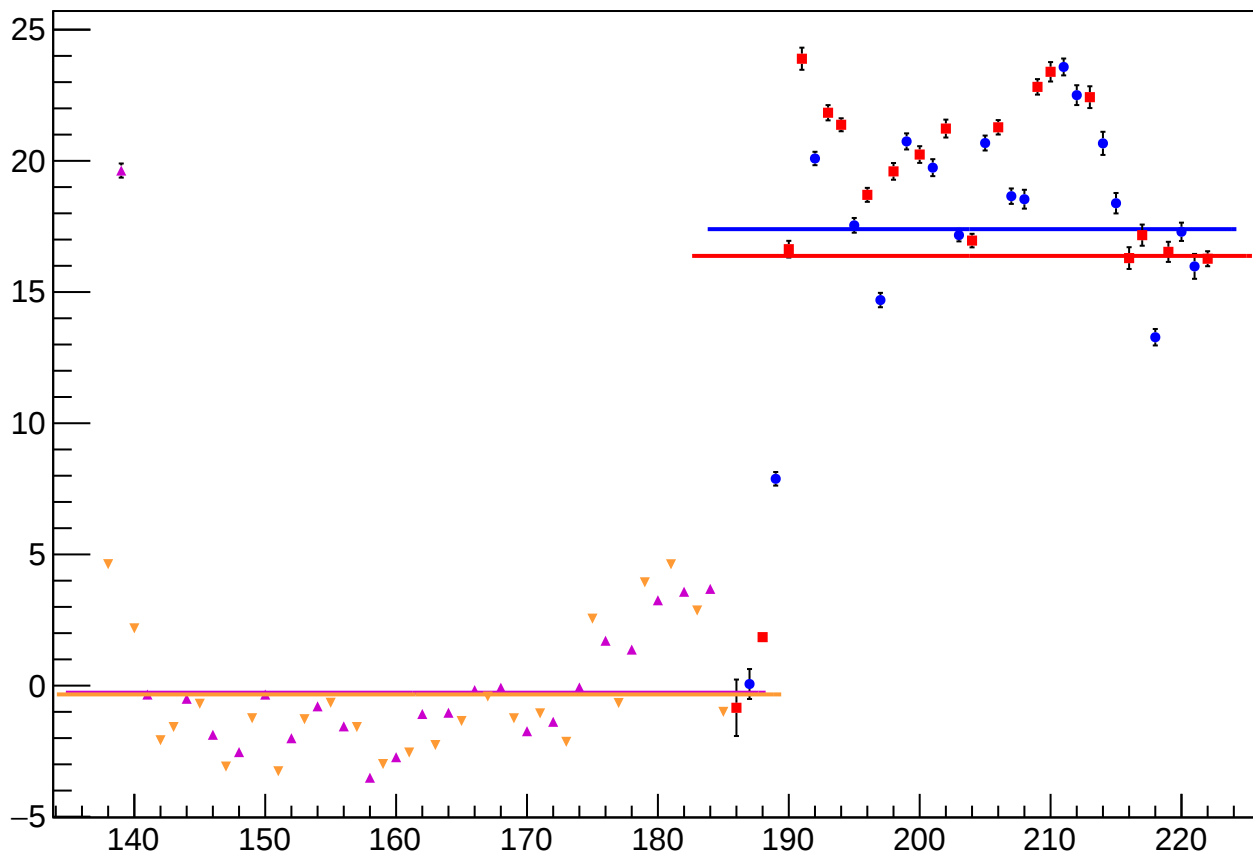
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -1.996 ± 0.023 χ^2/NDF : 26615.9/42

All: -1.897 ± 0.016 χ^2/NDF : 53008.0/84

- sign -1.798 ± 0.023 χ^2/NDF : 26354.9/41

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 17.397 ± 0.075 $\chi^2/\text{NDF}: 3607.5/17$

Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$

Right Out: 16.377 ± 0.069 $\chi^2/\text{NDF}: 11338.3/18$

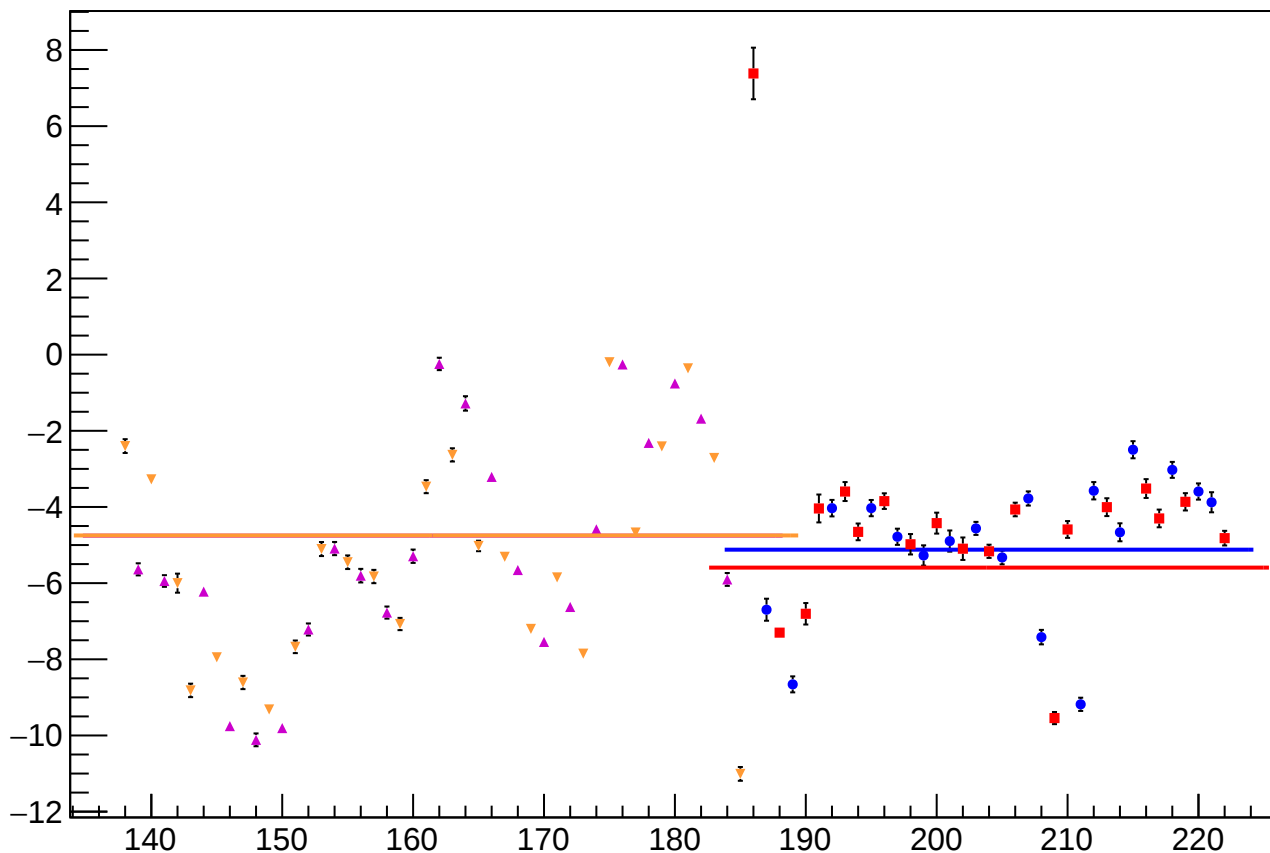
Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign 0.920 ± 0.020 $\chi^2/\text{NDF}: 68748.4/42$

All: 1.024 ± 0.014 $\chi^2/\text{NDF}: 146518.5/84$

- sign 1.129 ± 0.020 $\chi^2/\text{NDF}: 77715.6/41$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.121 ± 0.050 χ^2/NDF : 1481.8/17

Left Out: -4.748 ± 0.026 χ^2/NDF : 13289.8/24

Right Out: -5.592 ± 0.046 χ^2/NDF : 1885.9/18

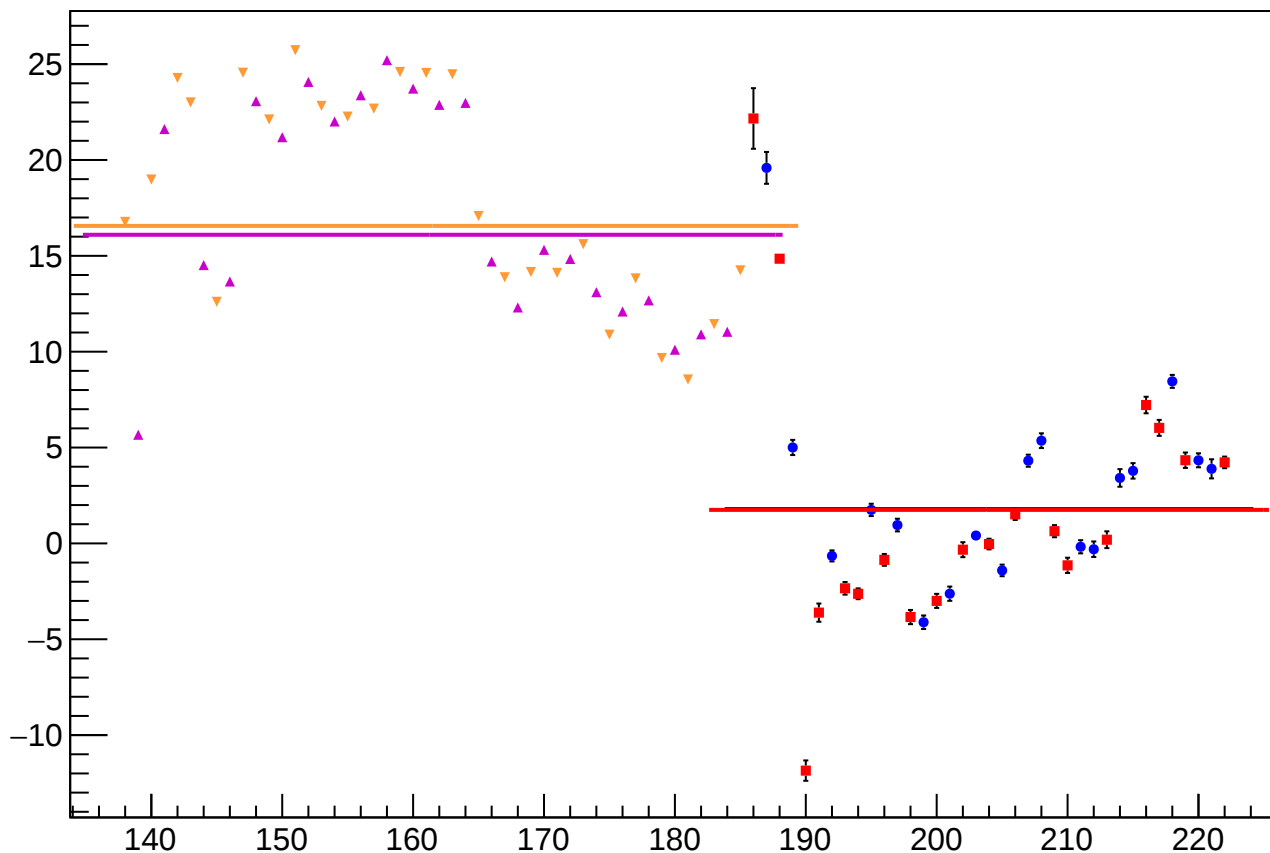
Left In: -4.753 ± 0.026 χ^2/NDF : 14119.2/22

+ sign -4.826 ± 0.023 χ^2/NDF : 14815.3/42

All: -4.893 ± 0.016 χ^2/NDF : 31088.0/84

- sign -4.958 ± 0.023 χ^2/NDF : 16256.2/41

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 1.792 ± 0.084 χ^2/NDF : 1864.0/17

Left Out: 16.563 ± 0.023 χ^2/NDF : 53858.5/24

Right Out: 1.749 ± 0.080 χ^2/NDF : 5469.5/18

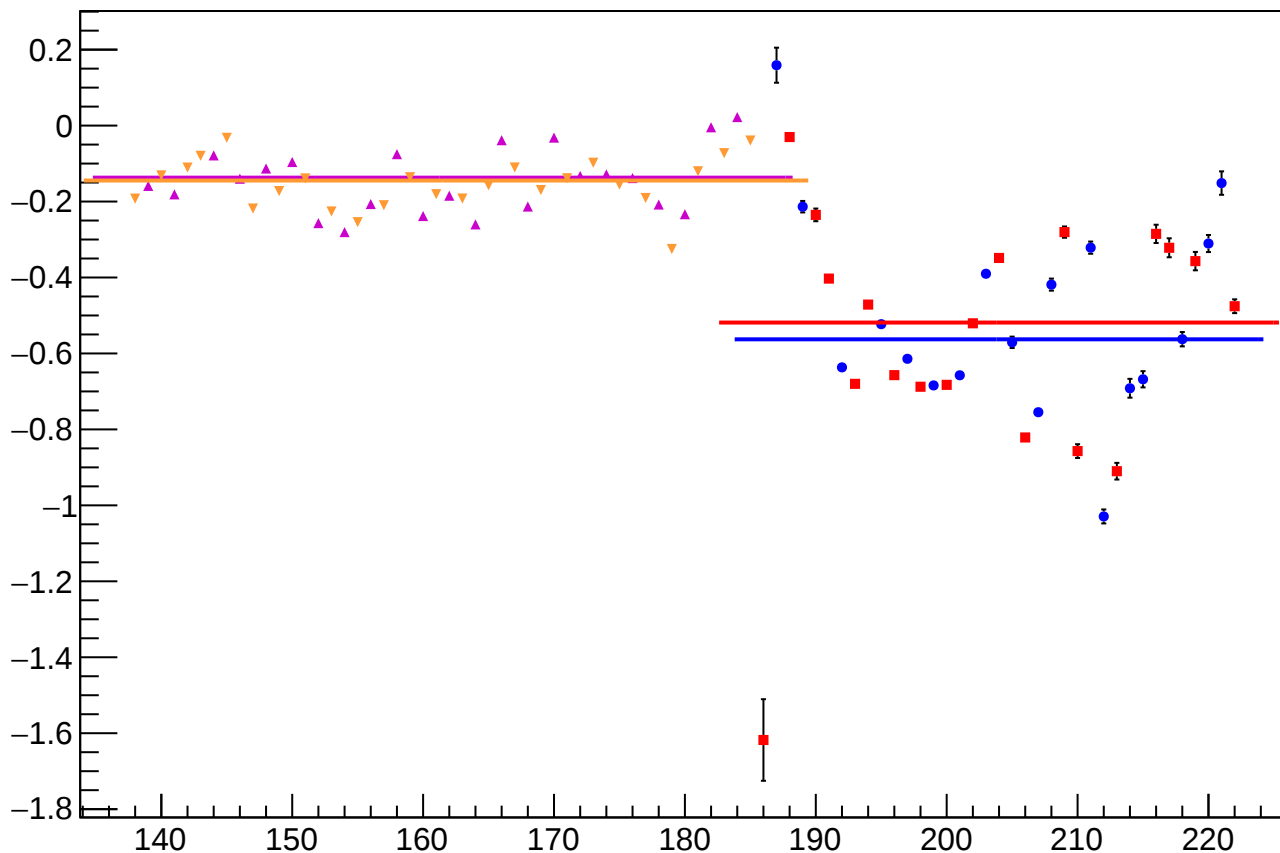
Left In: 16.098 ± 0.024 χ^2/NDF : 42345.7/22

+ sign 15.518 ± 0.022 χ^2/NDF : 84534.2/42

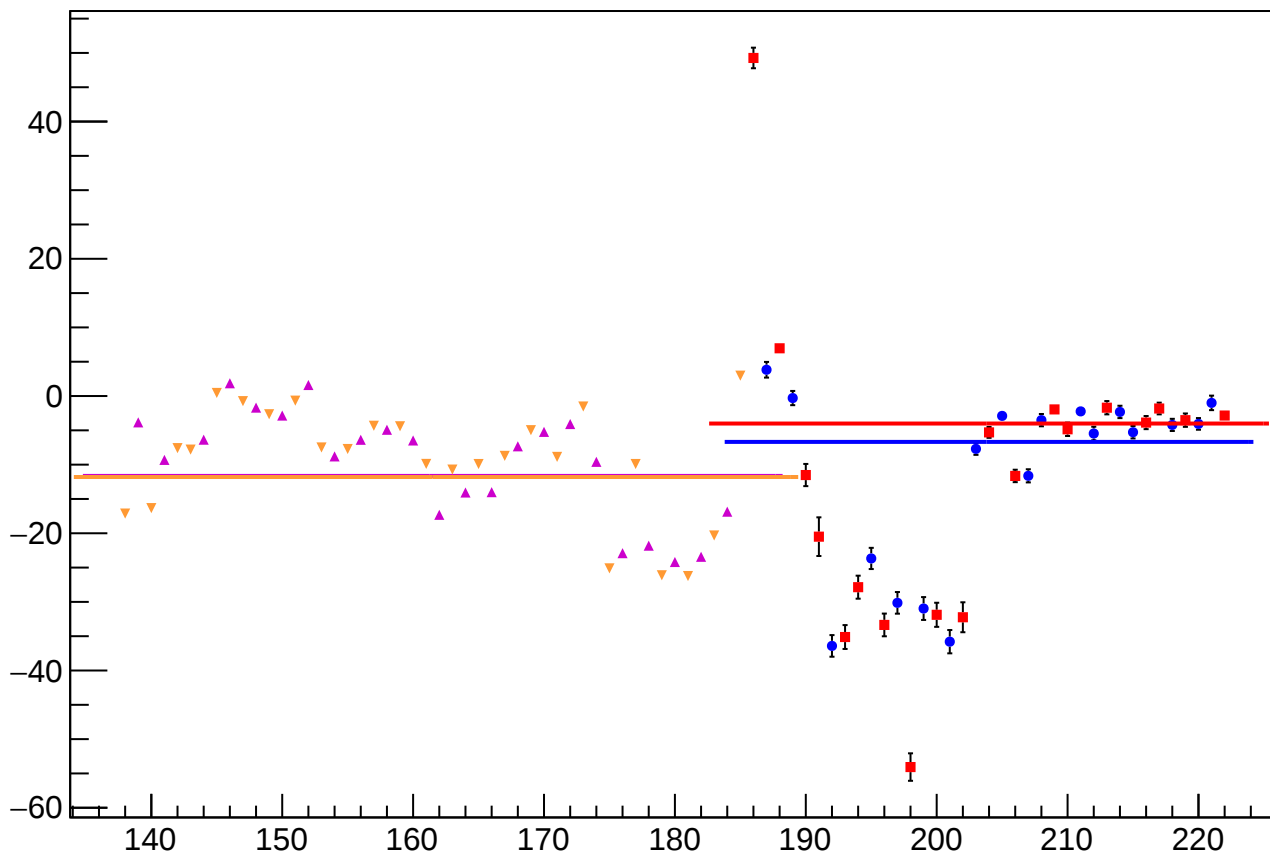
All: 15.245 ± 0.016 χ^2/NDF : 161929.3/84

- sign 14.966 ± 0.023 χ^2/NDF : 77093.1/41

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -6.684 ± 0.235 χ^2/NDF : 1507.2/17

Left Out: -11.801 ± 0.070 χ^2/NDF : 17308.2/24

Right Out: -4.009 ± 0.232 χ^2/NDF : 3714.0/18

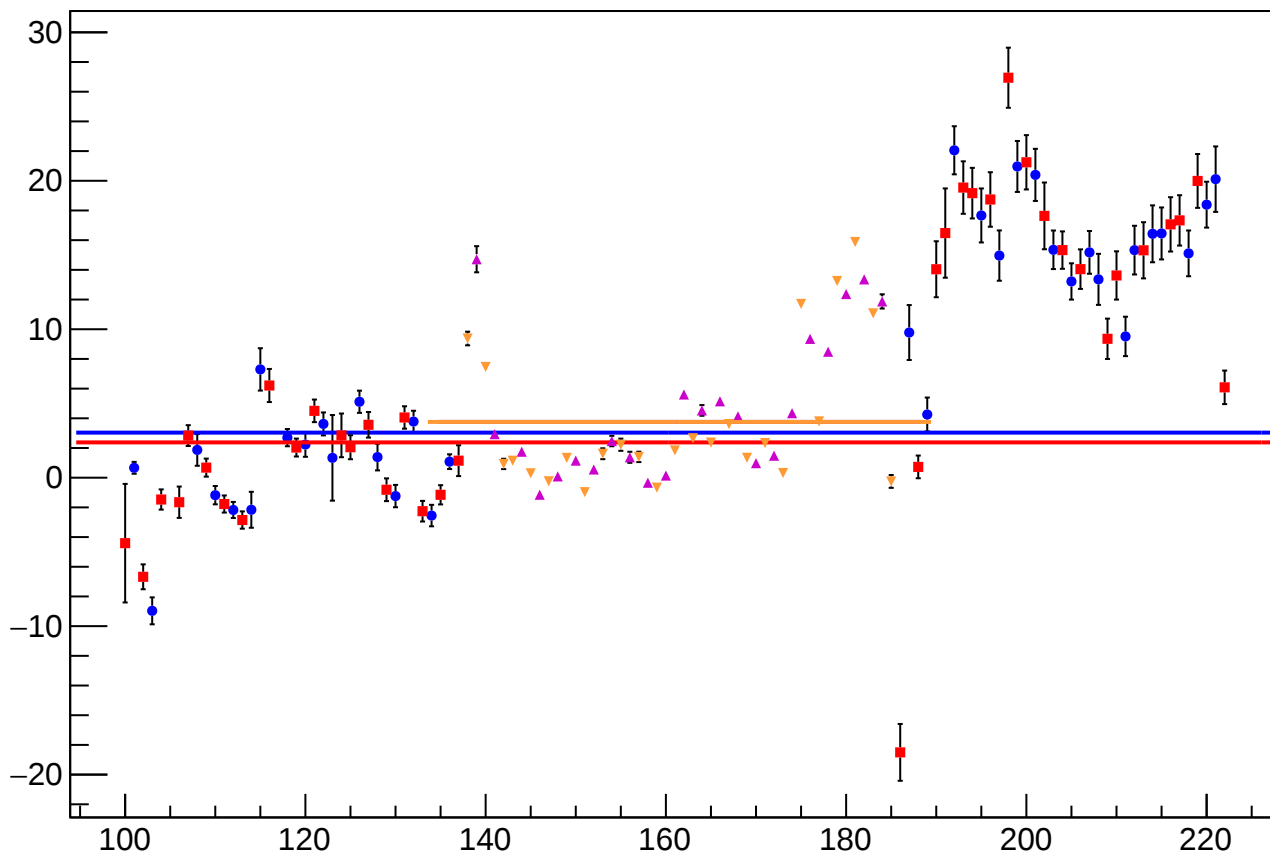
Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.380 ± 0.067 χ^2/NDF : 19251.6/42

All: -11.182 ± 0.048 χ^2/NDF : 38095.2/84

- sign -10.978 ± 0.068 χ^2/NDF : 18826.0/41

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 3.036 $\pm$ 0.155 χ^2/NDF : 1647.0/34

Left Out: 3.757 $\pm$ 0.056 χ^2/NDF : 7450.7/24

Right Out: 2.377 $\pm$ 0.156 χ^2/NDF : 1731.9/37

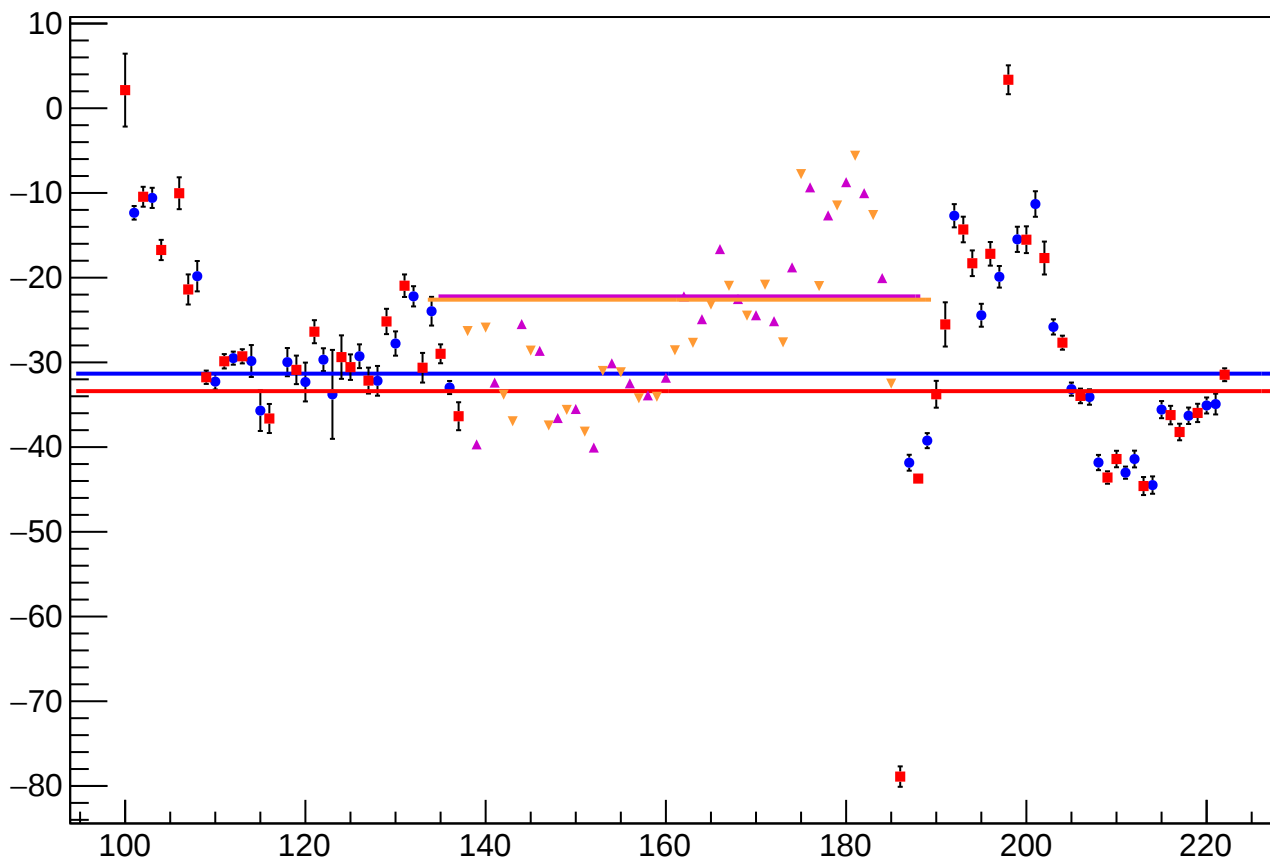
Left In: 3.757 $\pm$ 0.057 χ^2/NDF : 5629.4/22

+ sign 3.674 $\pm$ 0.052 χ^2/NDF : 9116.9/59

All: 3.636 $\pm$ 0.037 χ^2/NDF : 16548.1/120

- sign 3.597 $\pm$ 0.053 χ^2/NDF : 7430.2/60

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -31.329 ± 0.185 χ^2/NDF : 2584.2/34

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -33.394 ± 0.179 χ^2/NDF : 4583.8/37

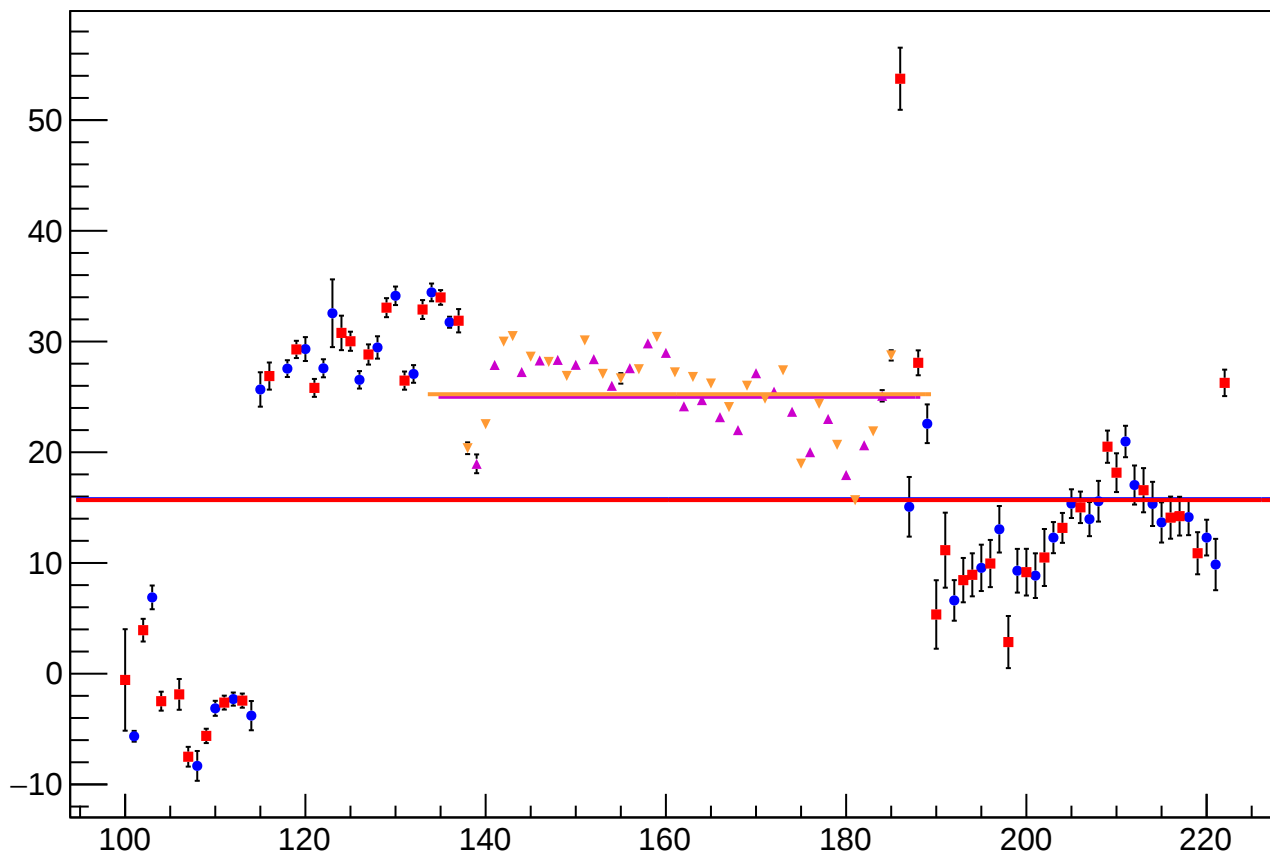
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -23.706 ± 0.066 χ^2/NDF : 24454.1/59

All: -23.730 ± 0.047 χ^2/NDF : 50038.4/120

- sign -23.755 ± 0.066 χ^2/NDF : 25584.0/60

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.761 $\pm$ 0.174 χ^2 /NDF: 7653.5/34

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF: 3786.5/24

Right Out: 15.678 $\pm$ 0.177 χ^2 /NDF: 7762.8/37

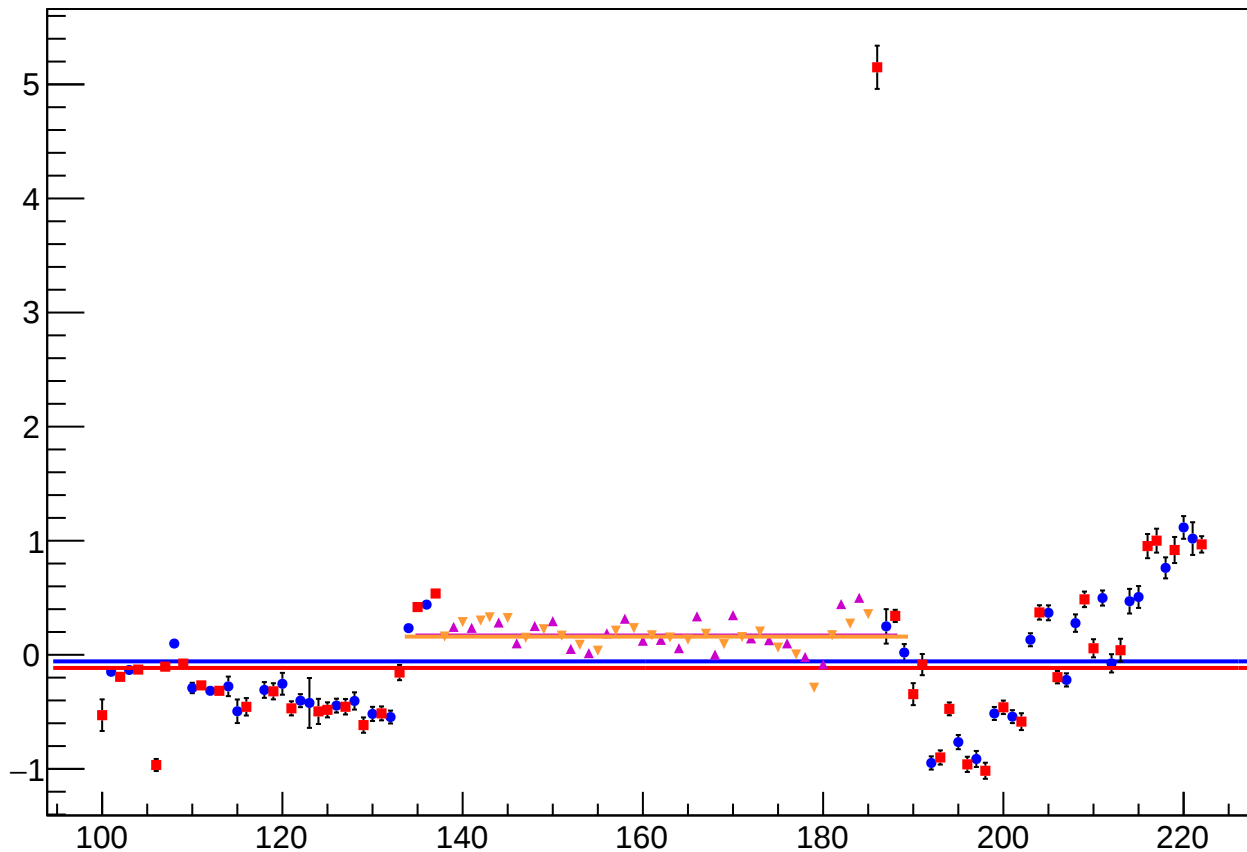
Left In: 25.009 $\pm$ 0.064 χ^2 /NDF: 2722.0/22

+ sign 24.159 $\pm$ 0.059 χ^2 /NDF: 14057.2/59

All: 24.052 $\pm$ 0.042 χ^2 /NDF: 26995.6/120

- sign 23.940 $\pm$ 0.060 χ^2 /NDF: 12931.7/60

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.058 ± 0.009 χ^2/NDF : 2154.0/34

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.115 ± 0.009 χ^2/NDF : 3281.6/37

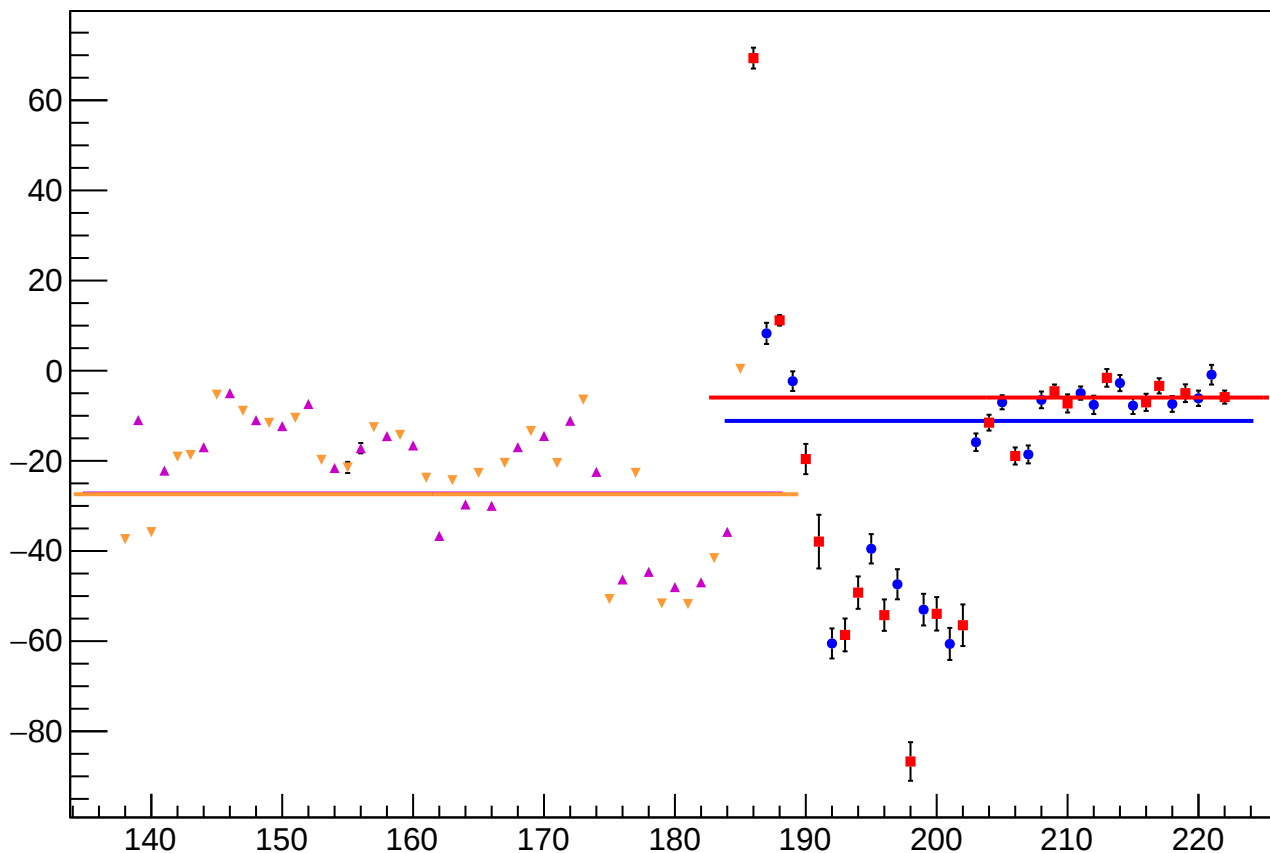
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.139 ± 0.003 χ^2/NDF : 4563.4/59

All: 0.140 ± 0.002 χ^2/NDF : 11199.1/120

- sign 0.141 ± 0.003 χ^2/NDF : 6635.4/60

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -11.138 ± 0.487 χ^2/NDF : 947.4/17

Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24

Right Out: -5.954 ± 0.478 χ^2/NDF : 2573.0/18

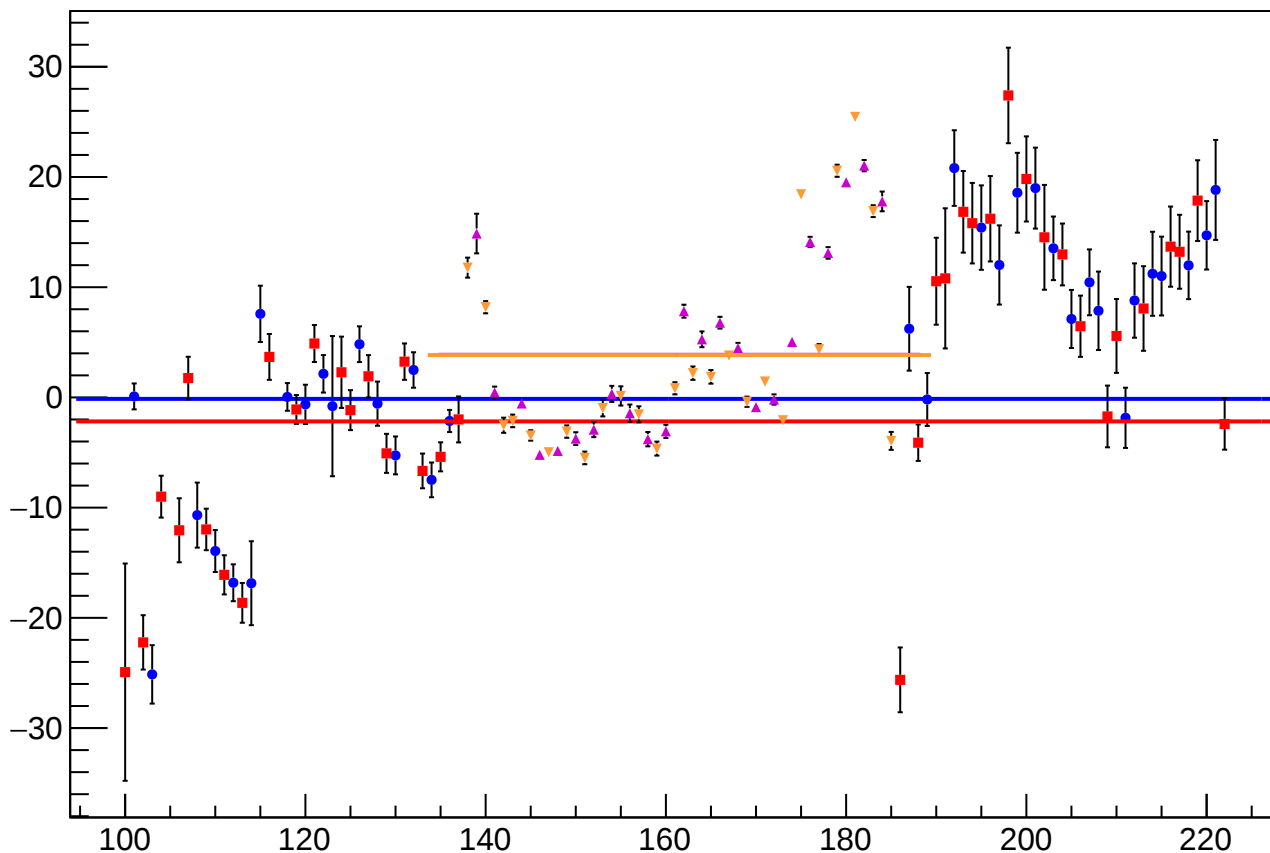
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -26.216 ± 0.132 χ^2/NDF : 16833.6/42

All: -25.901 ± 0.094 χ^2/NDF : 32550.0/84

- sign -25.577 ± 0.134 χ^2/NDF : 15704.8/41

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -0.133 ± 0.363 $\chi^2/\text{NDF}: 582.1/34$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -2.177 ± 0.368 $\chi^2/\text{NDF}: 697.7/37$

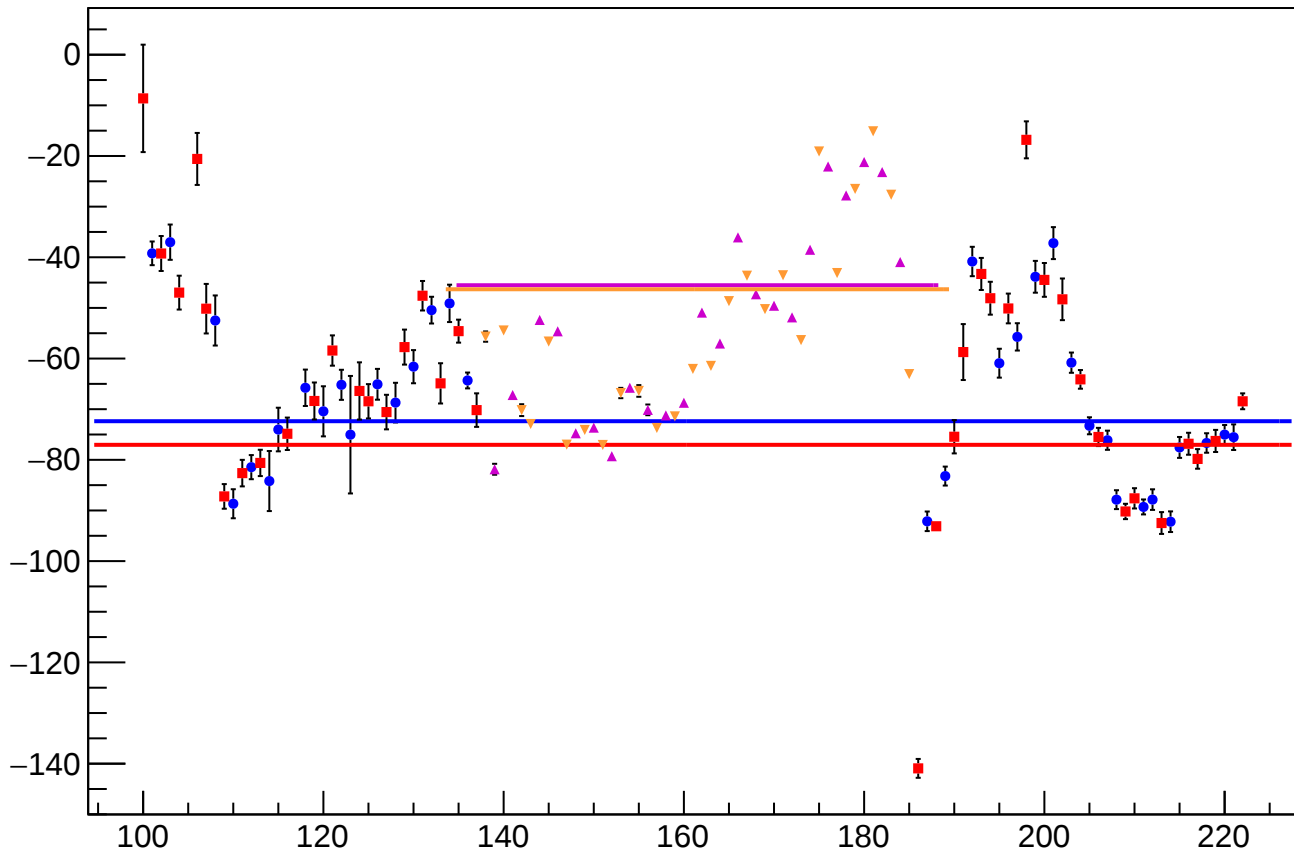
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.510 ± 0.105 $\chi^2/\text{NDF}: 7631.5/59$

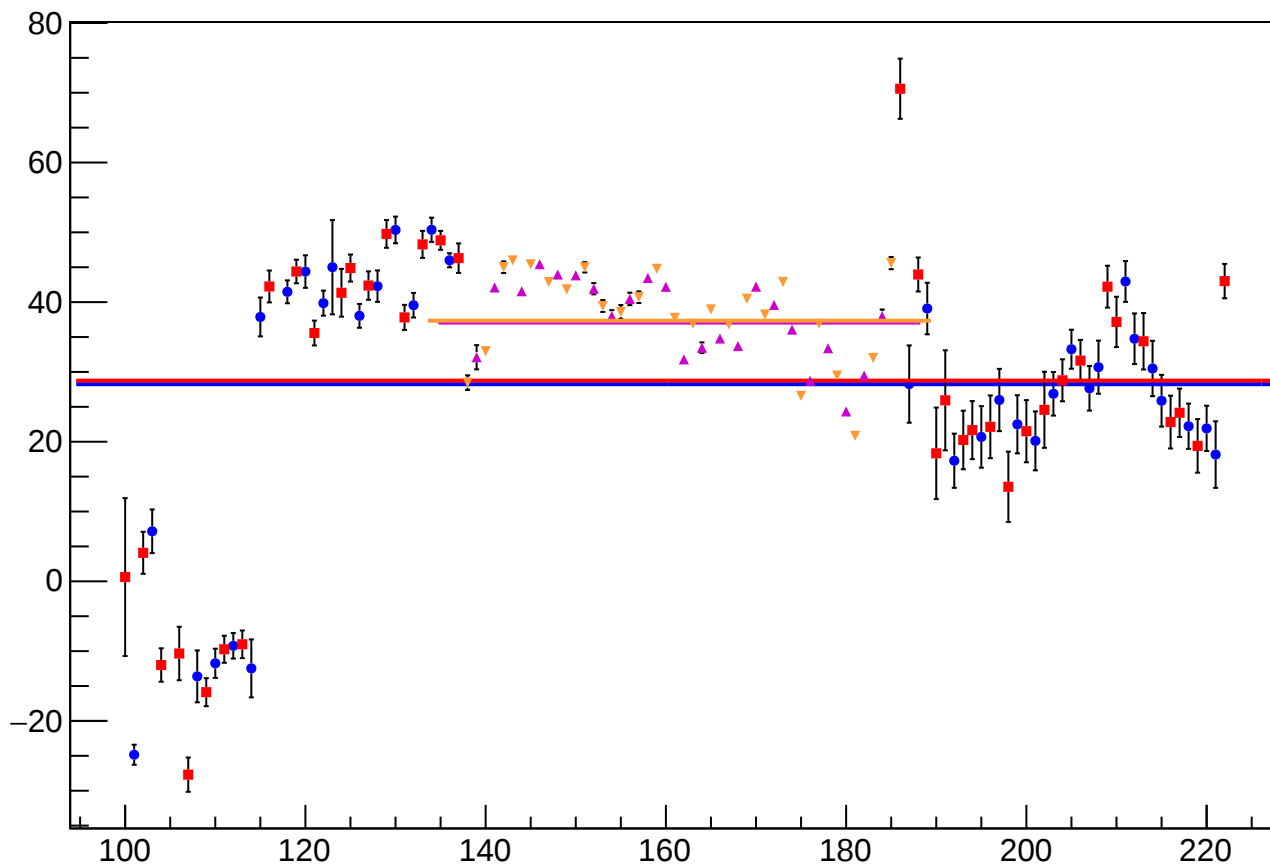
All: 3.436 ± 0.075 $\chi^2/\text{NDF}: 14001.7/120$

- sign 3.360 ± 0.106 $\chi^2/\text{NDF}: 6369.2/60$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.239 $\pm$ 0.406 χ^2 /NDF: 3381.2/34

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF: 3149.1/24

Right Out: 28.760 $\pm$ 0.417 χ^2 /NDF: 3268.9/37

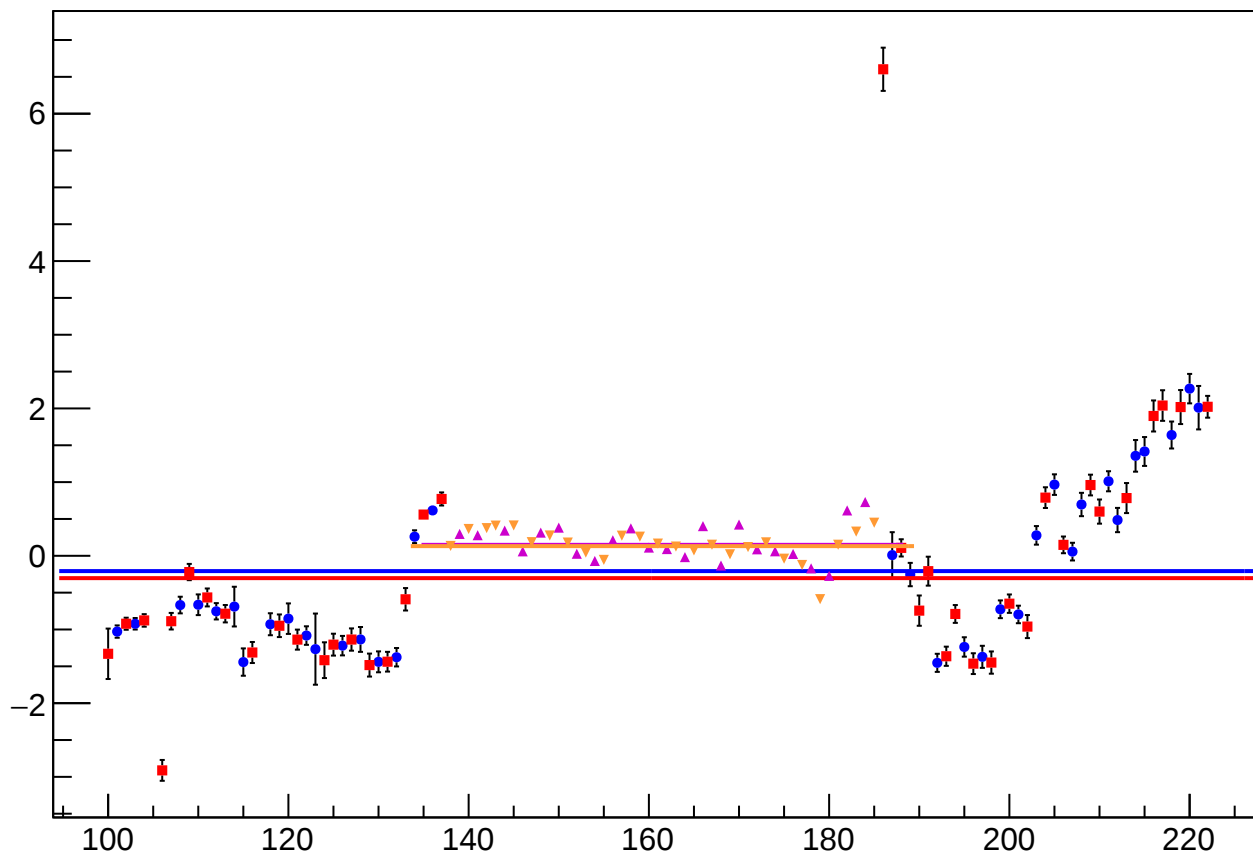
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF: 2397.3/22

+ sign 36.578 $\pm$ 0.118 χ^2 /NDF: 6989.9/59

All: 36.483 $\pm$ 0.084 χ^2 /NDF: 13022.5/120

- sign 36.386 $\pm$ 0.120 χ^2 /NDF: 6031.3/60

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.207 ± 0.020 χ^2/NDF : 1953.3/34

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.303 ± 0.021 χ^2/NDF : 2830.9/37

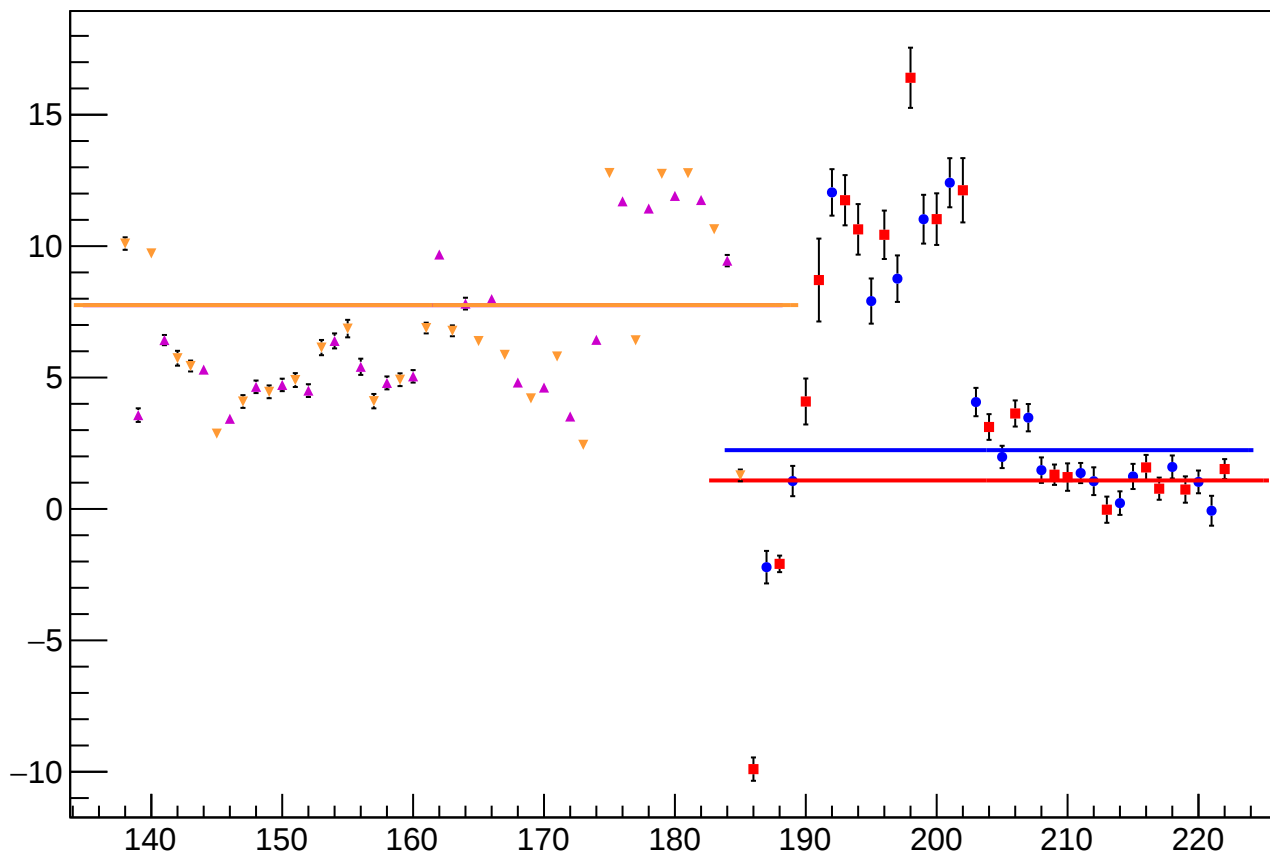
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.107 ± 0.005 χ^2/NDF : 3634.5/59

All: 0.112 ± 0.004 χ^2/NDF : 8709.8/120

- sign 0.117 ± 0.006 χ^2/NDF : 5073.8/60

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.237 ± 0.127 $\chi^2/\text{NDF}: 566.3/17$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: 1.085 ± 0.123 $\chi^2/\text{NDF}: 1489.7/18$

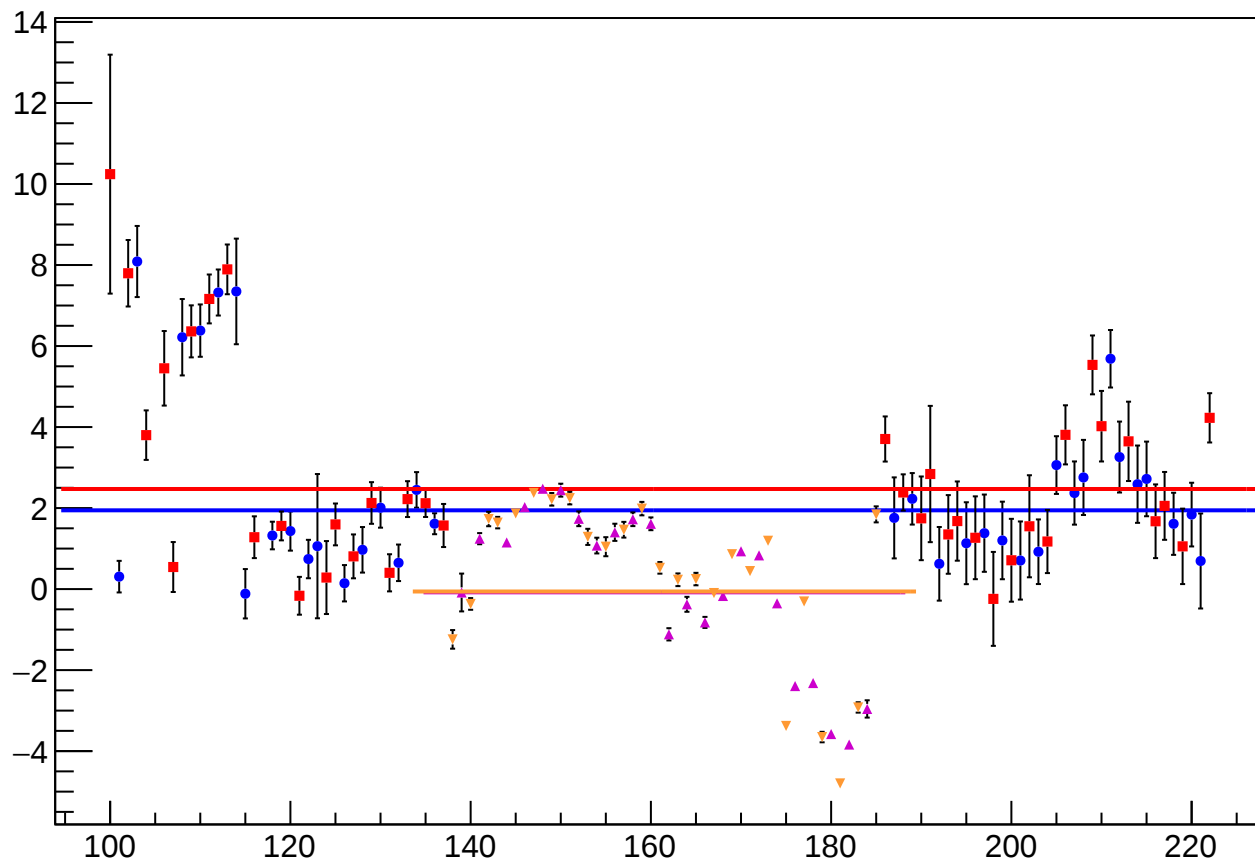
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.380 ± 0.033 $\chi^2/\text{NDF}: 14060.1/42$

All: 7.316 ± 0.024 $\chi^2/\text{NDF}: 26628.1/84$

- sign 7.251 ± 0.034 $\chi^2/\text{NDF}: 12560.5/41$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.944 ± 0.101 χ^2/NDF : 337.2/34

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.471 ± 0.102 χ^2/NDF : 394.2/37

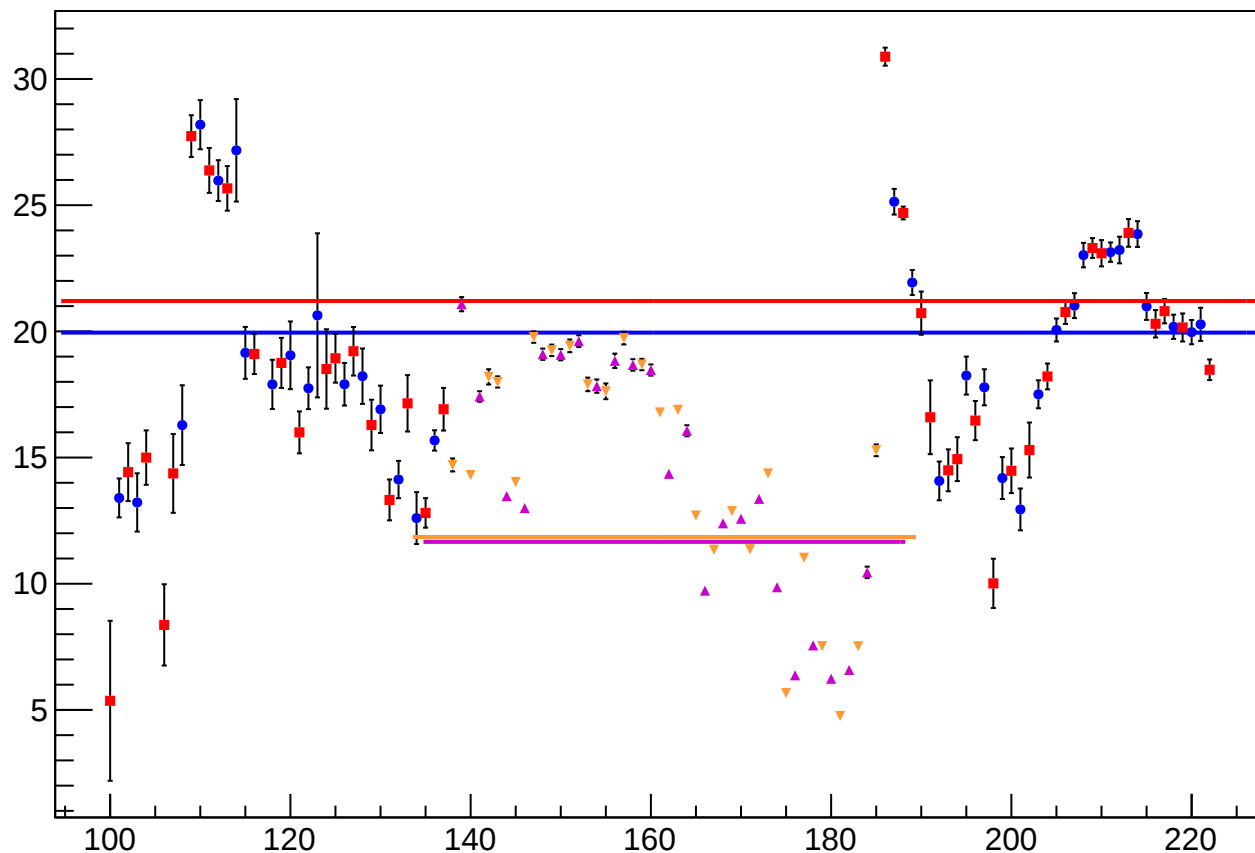
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.081 ± 0.027 χ^2/NDF : 6770.3/59

All: 0.090 ± 0.019 χ^2/NDF : 12722.0/120

- sign 0.100 ± 0.027 χ^2/NDF : 5951.4/60

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.951 ± 0.109 χ^2/NDF : 1054.8/34

Left Out: 11.853 ± 0.035 χ^2/NDF : 19149.4/24

Right Out: 21.204 ± 0.104 χ^2/NDF : 2185.7/37

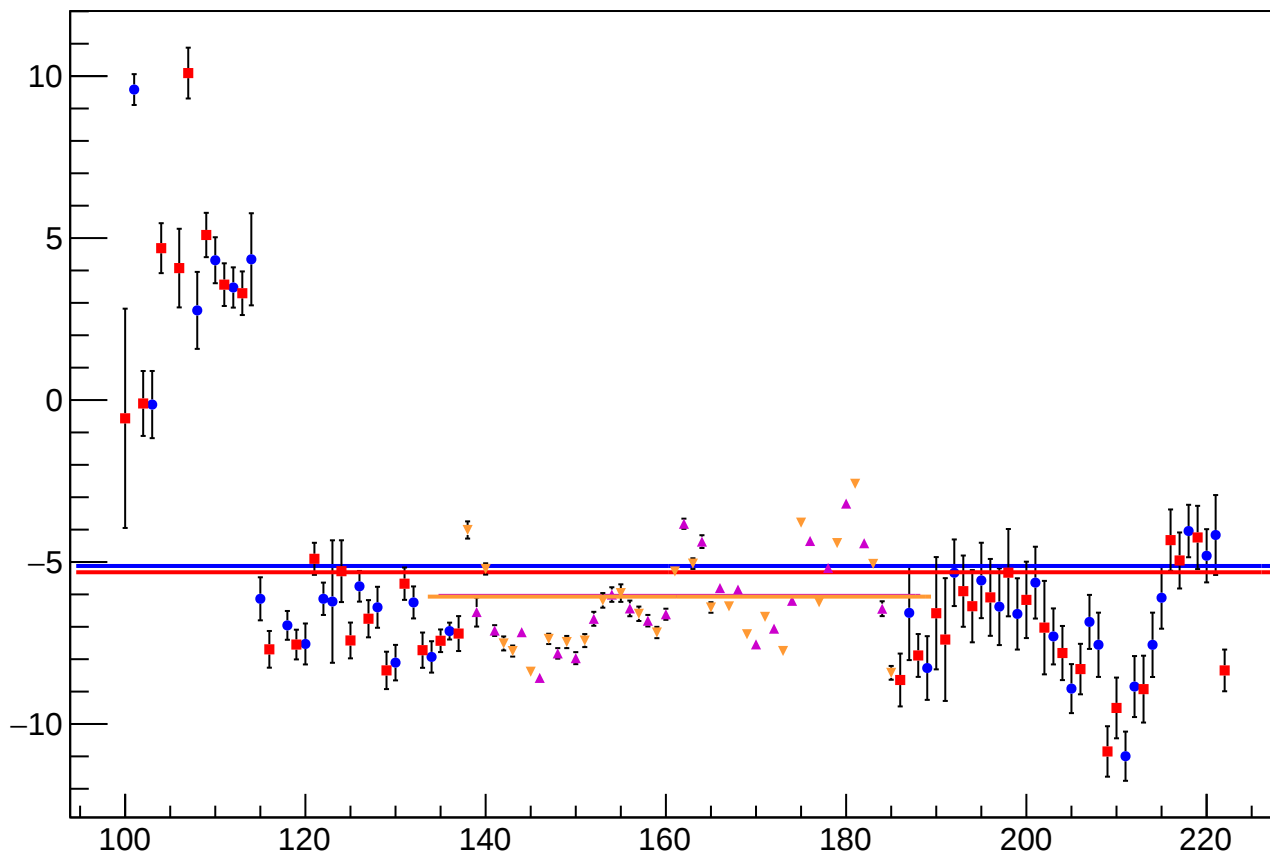
Left In: 11.660 ± 0.035 χ^2/NDF : 16710.2/22

+ sign 12.592 ± 0.033 χ^2/NDF : 25179.8/59

All: 12.615 ± 0.023 χ^2/NDF : 51620.4/120

- sign 12.639 ± 0.033 χ^2/NDF : 26439.5/60

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.122 ± 0.113 χ^2/NDF : 1747.1/34

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -5.316 ± 0.116 χ^2/NDF : 1547.5/37

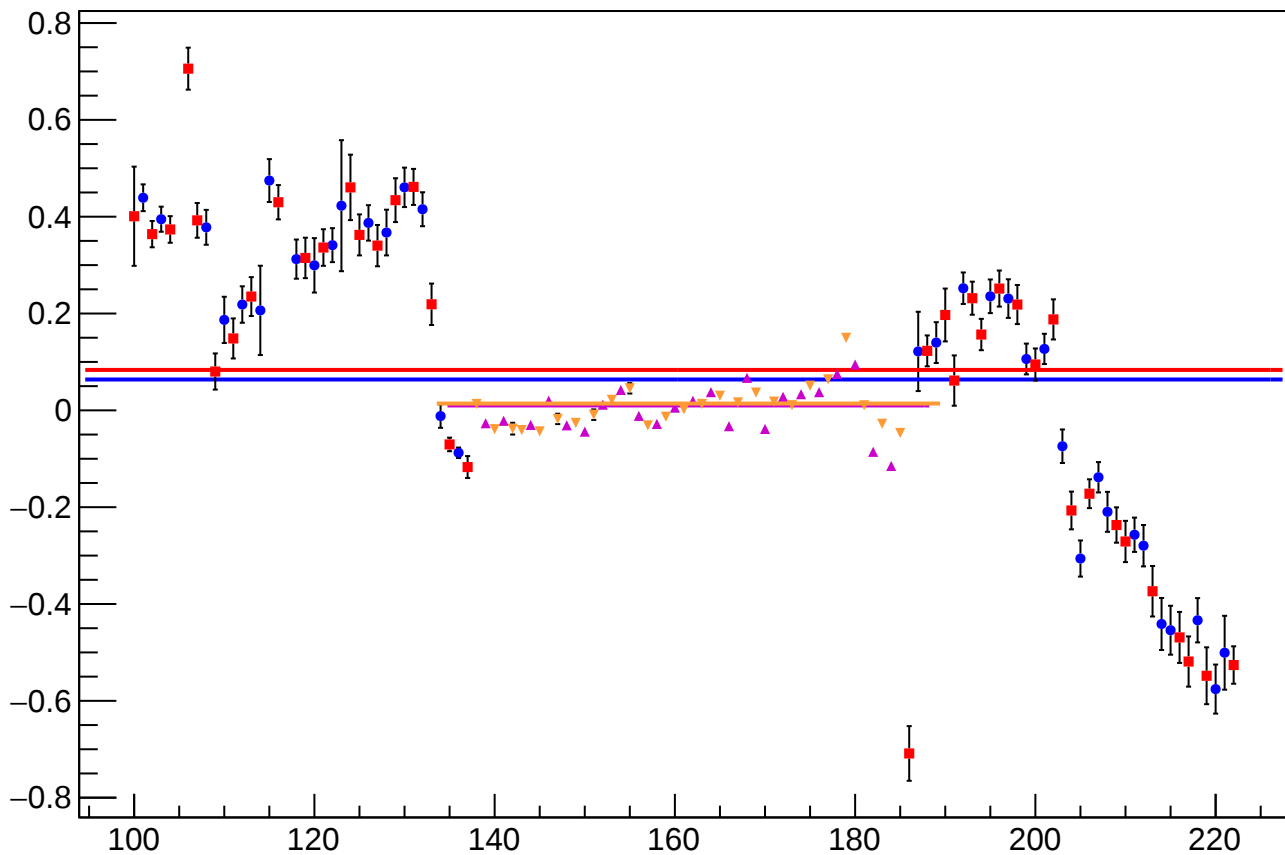
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -6.002 ± 0.030 χ^2/NDF : 4484.0/59

All: -5.998 ± 0.021 χ^2/NDF : 8362.0/120

- sign -5.994 ± 0.031 χ^2/NDF : 3877.9/60

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.064 ± 0.006 χ^2/NDF : 2137.8/34

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.084 ± 0.006 χ^2/NDF : 2404.3/37

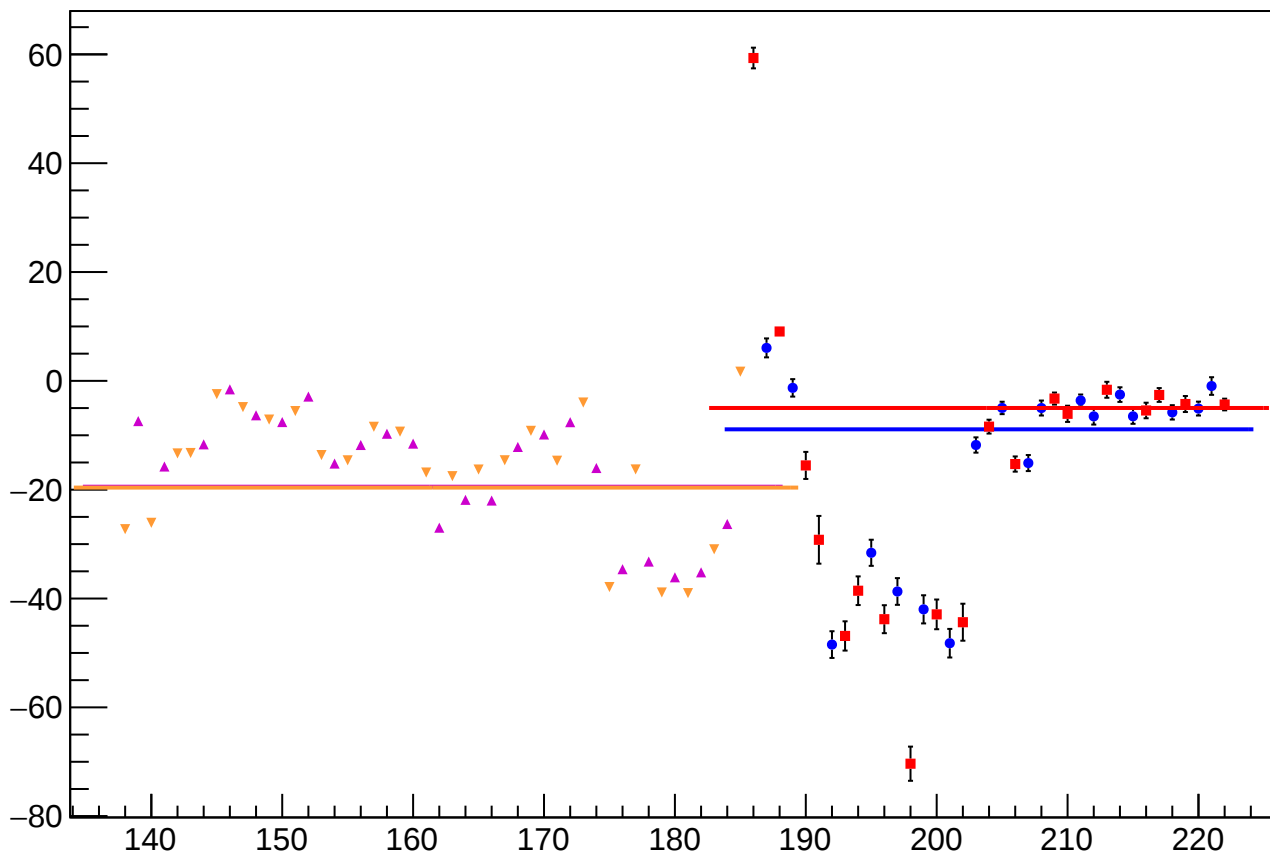
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.017 ± 0.001 χ^2/NDF : 3166.8/59

All: 0.016 ± 0.001 χ^2/NDF : 6940.9/120

- sign 0.014 ± 0.001 χ^2/NDF : 3772.4/60

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -8.906 ± 0.360 χ^2/NDF : 1112.3/17

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: -4.983 ± 0.355 χ^2/NDF : 2935.6/18

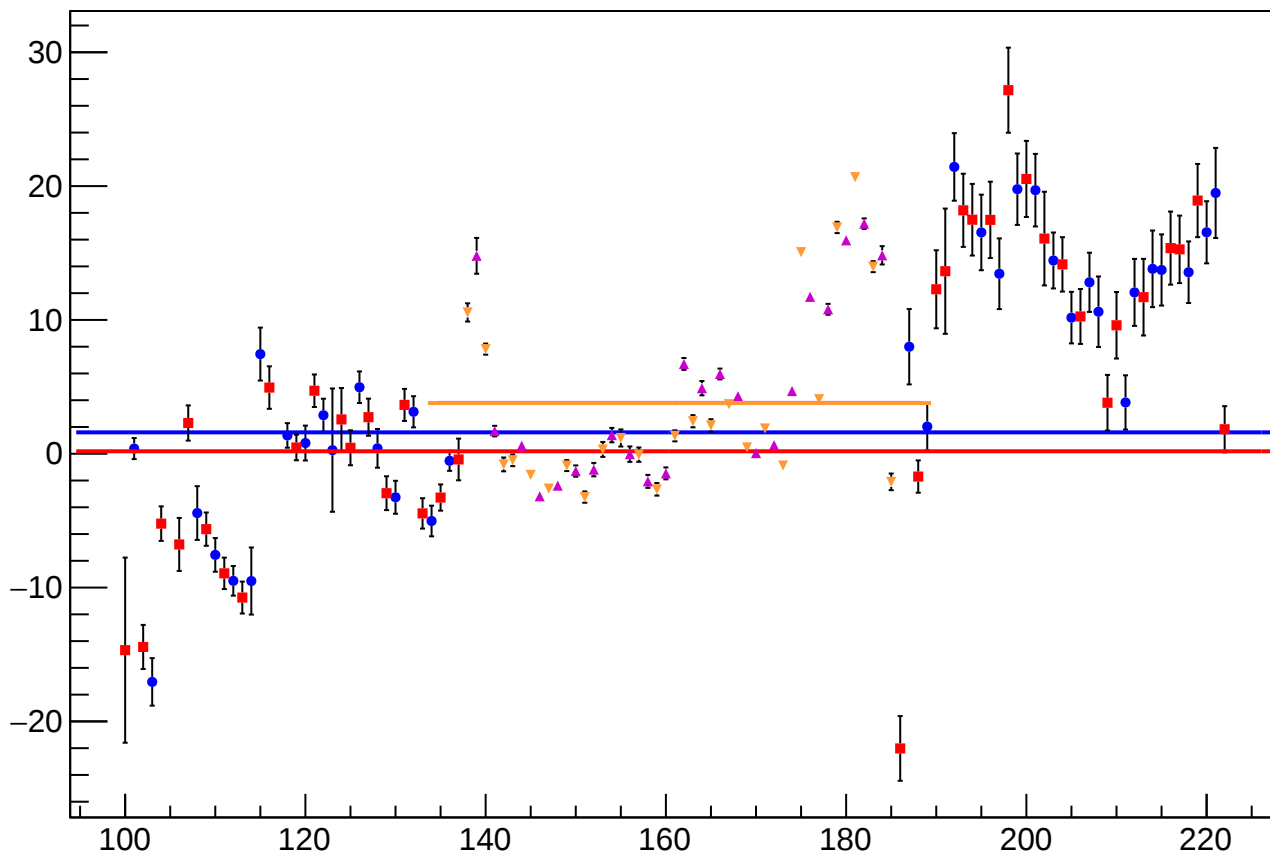
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -18.801 ± 0.099 χ^2/NDF : 17689.0/42

All: -18.547 ± 0.071 χ^2/NDF : 34447.9/84

- sign -18.285 ± 0.101 χ^2/NDF : 16745.6/41

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 1.599 ± 0.260 $\chi^2/\text{NDF}: 828.2/34$

Left Out: 3.788 ± 0.082 $\chi^2/\text{NDF}: 7150.5/24$

Right Out: 0.185 ± 0.264 $\chi^2/\text{NDF}: 950.8/37$

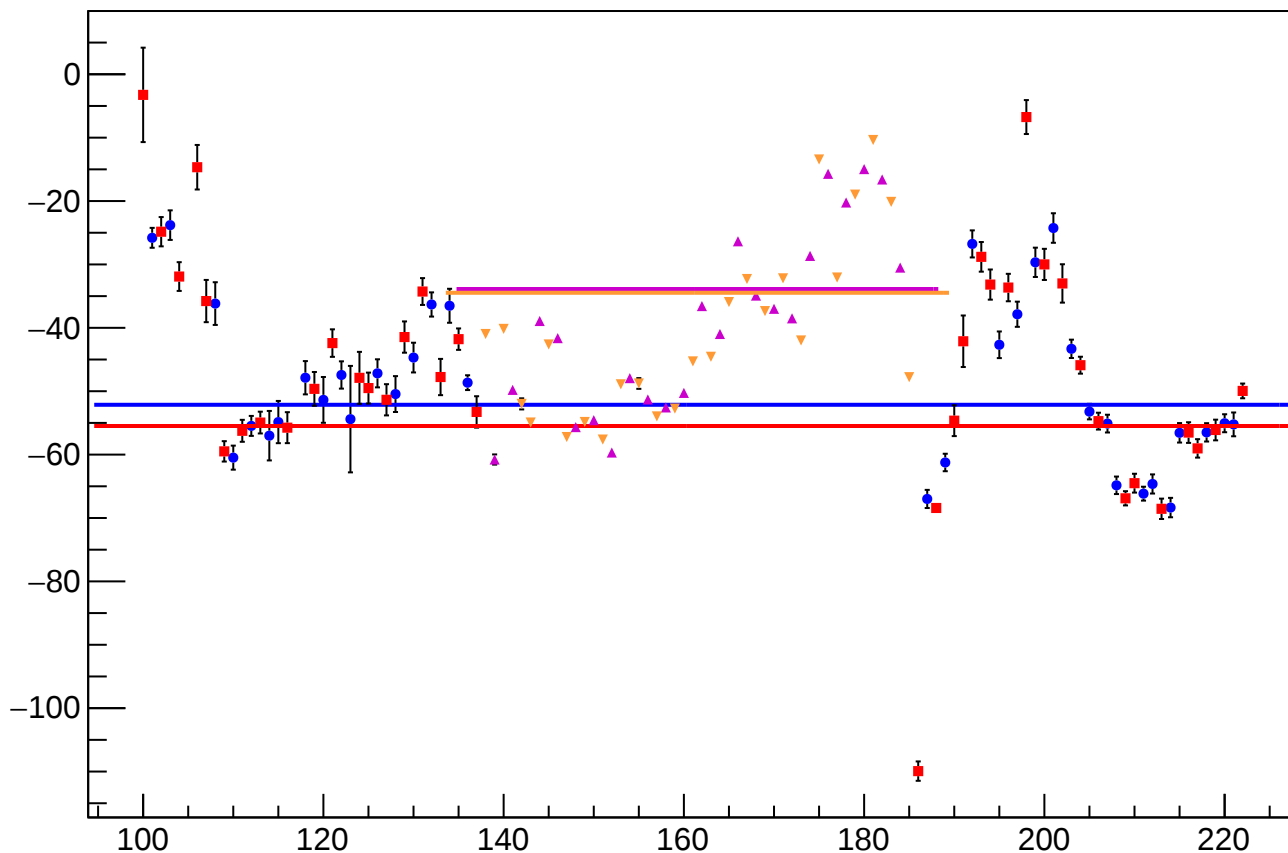
Left In: 3.799 ± 0.084 $\chi^2/\text{NDF}: 5517.0/22$

+ sign 3.590 ± 0.078 $\chi^2/\text{NDF}: 8043.1/59$

All: 3.530 ± 0.056 $\chi^2/\text{NDF}: 14682.7/120$

- sign 3.469 ± 0.080 $\chi^2/\text{NDF}: 6638.4/60$

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -52.140 ± 0.298 χ^2/NDF : 1710.6/34

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -55.488 ± 0.288 χ^2/NDF : 3509.9/37

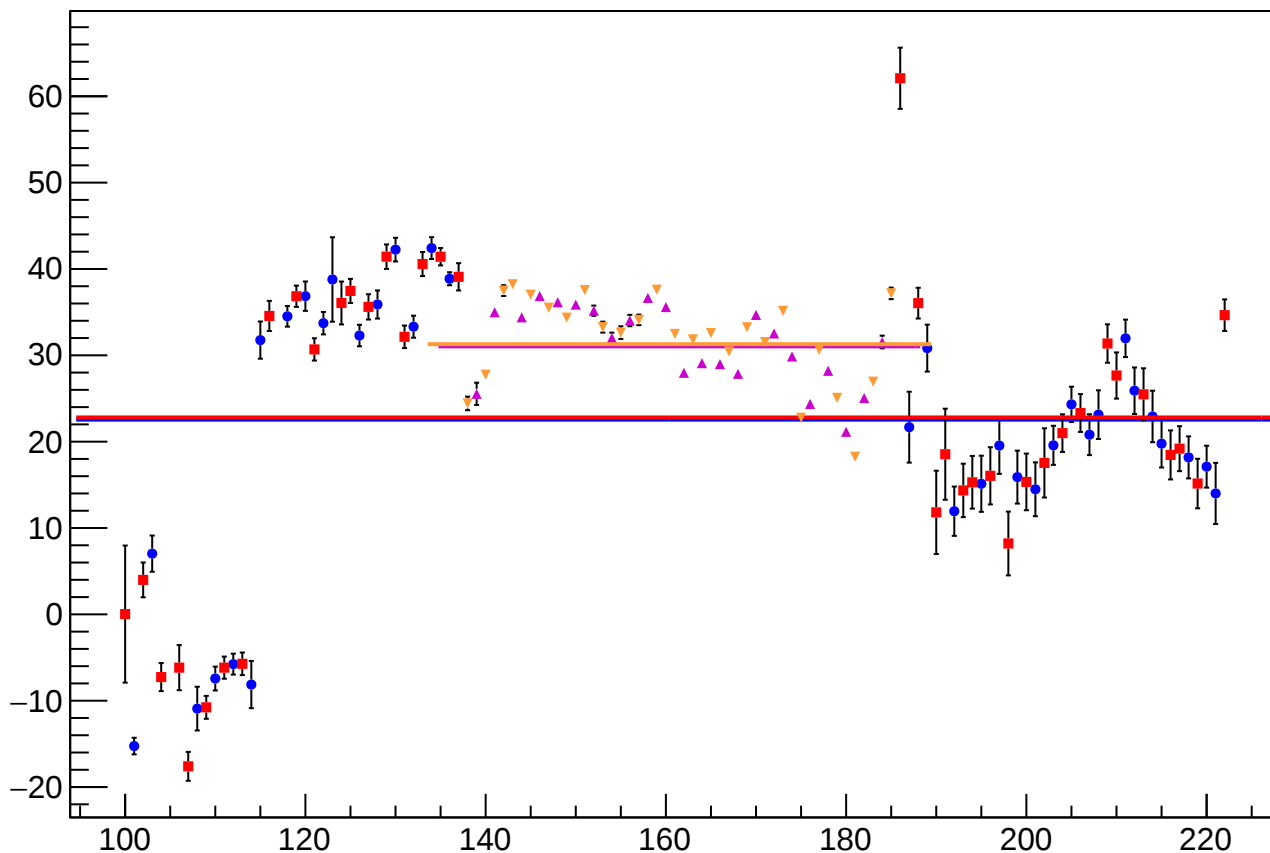
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -36.389 ± 0.098 χ^2/NDF : 25043.1/59

All: -36.408 ± 0.070 χ^2/NDF : 51166.9/120

- sign -36.426 ± 0.099 χ^2/NDF : 26123.8/60

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.554 $\pm$ 0.292 χ^2 /NDF: 4397.6/34

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.804 $\pm$ 0.299 χ^2 /NDF: 4331.9/37

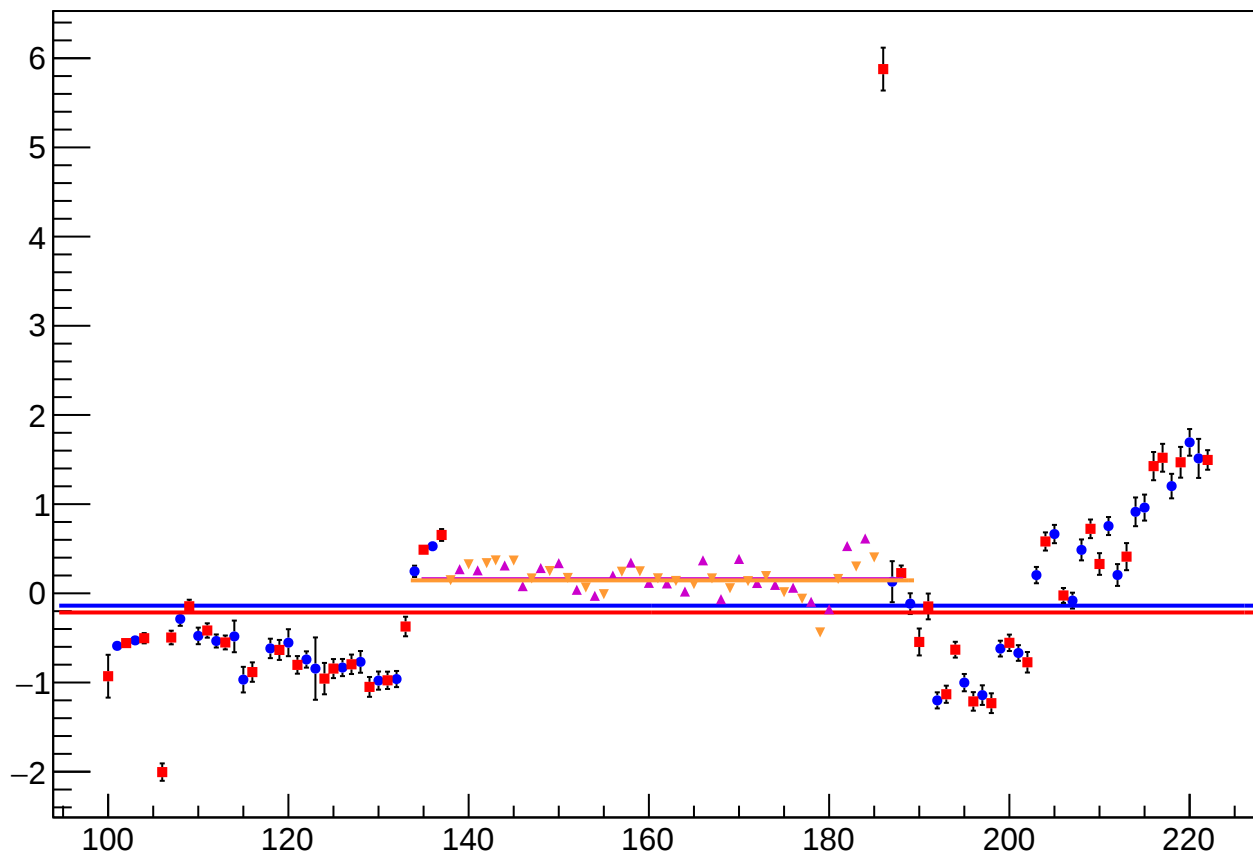
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.492 $\pm$ 0.088 χ^2 /NDF: 8556.1/59

All: 30.396 $\pm$ 0.063 χ^2 /NDF: 16060.7/120

- sign 30.295 $\pm$ 0.090 χ^2 /NDF: 7502.2/60

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.138 ± 0.015 χ^2/NDF : 1960.0/34

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.215 ± 0.015 χ^2/NDF : 2966.5/37

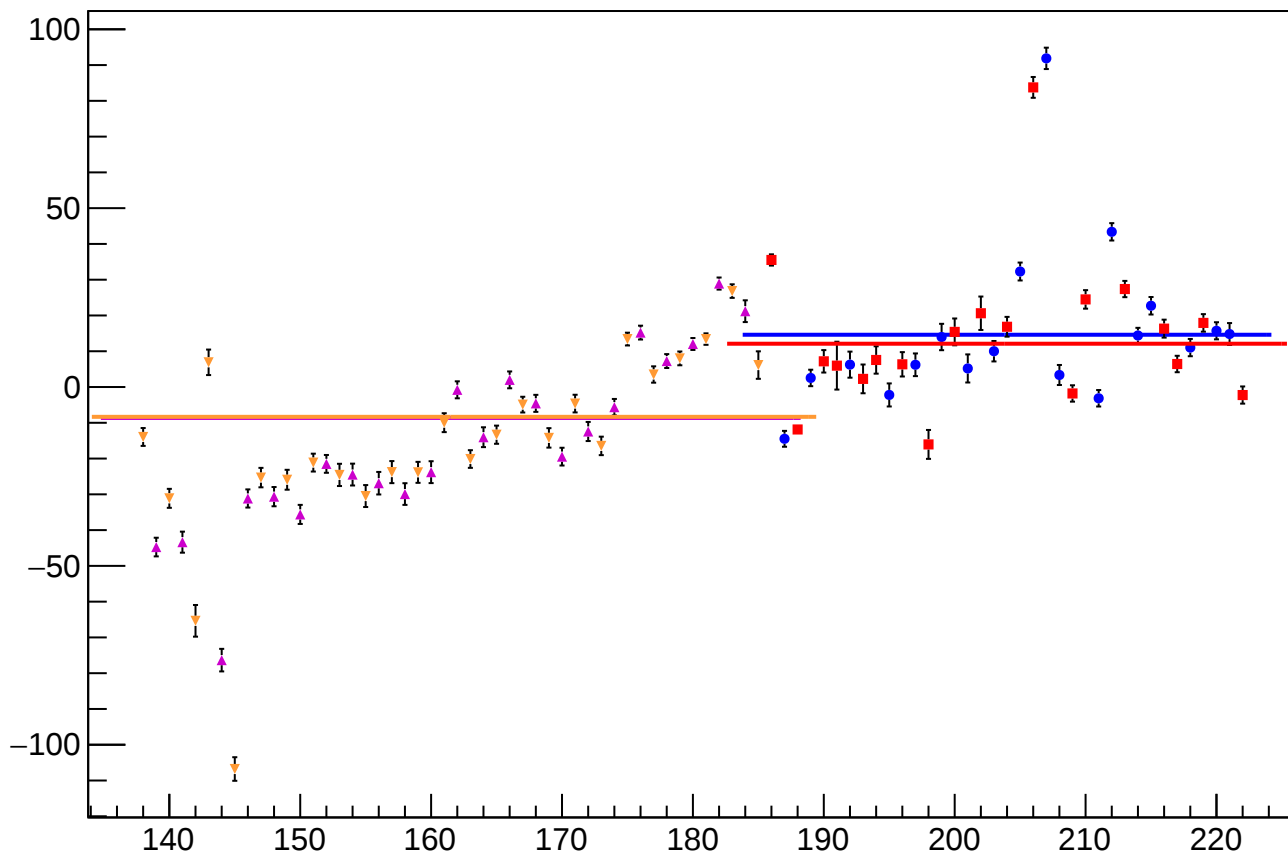
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.124 ± 0.004 χ^2/NDF : 3881.8/59

All: 0.127 ± 0.003 χ^2/NDF : 9439.2/120

- sign 0.130 ± 0.004 χ^2/NDF : 5556.2/60

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 14.611 $\pm$ 0.630 χ^2 /NDF: 1195.0/17

Left Out: -8.332 $\pm$ 0.500 χ^2 /NDF: 2226.2/24

Right Out: 12.103 $\pm$ 0.573 χ^2 /NDF: 1426.4/18

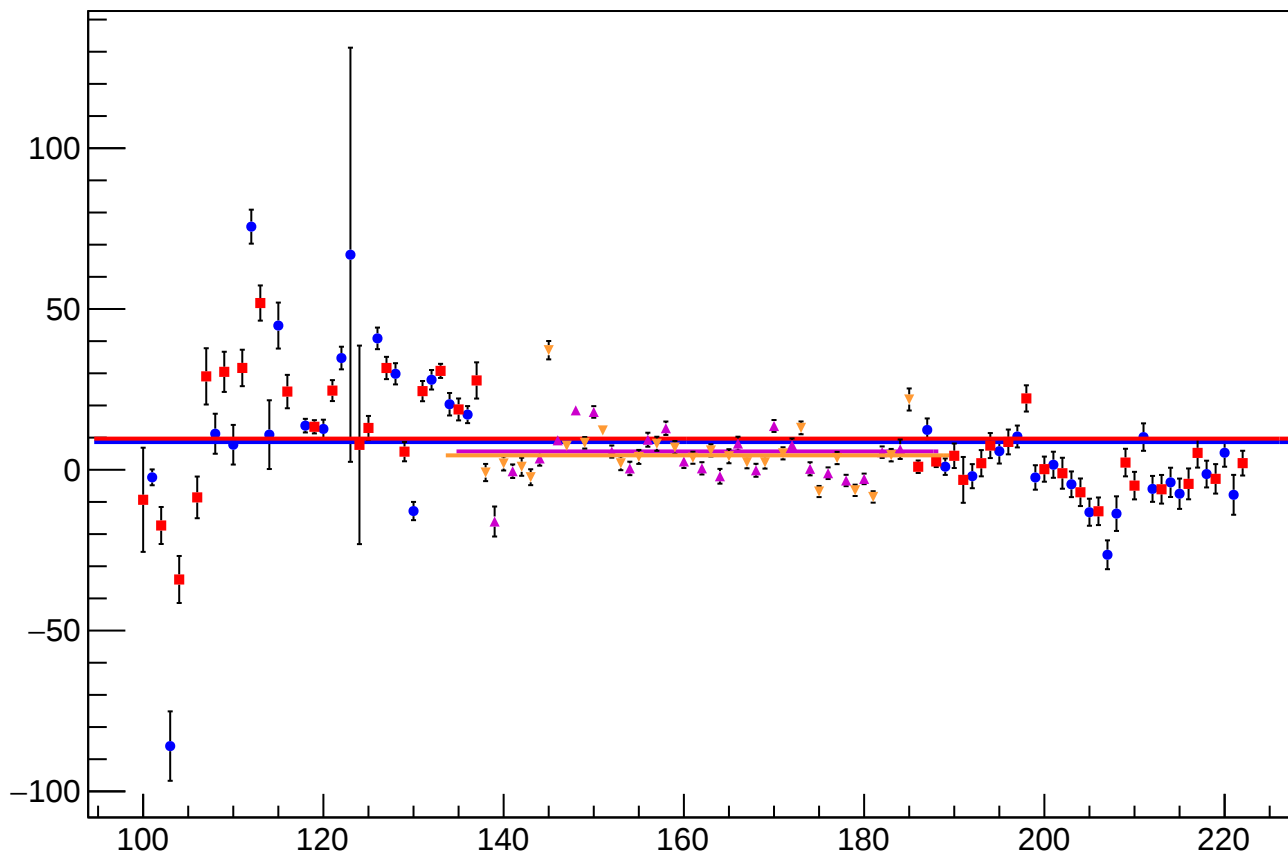
Left In: -8.652 $\pm$ 0.507 χ^2 /NDF: 2223.8/22

+ sign 0.525 $\pm$ 0.391 χ^2 /NDF: 4235.4/42

All: 0.495 $\pm$ 0.273 χ^2 /NDF: 8621.3/84

- sign 0.467 $\pm$ 0.380 χ^2 /NDF: 4385.9/41

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 8.617 ± 0.634 χ^2/NDF : 792.0/34

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 9.692 ± 0.601 χ^2/NDF : 521.9/37

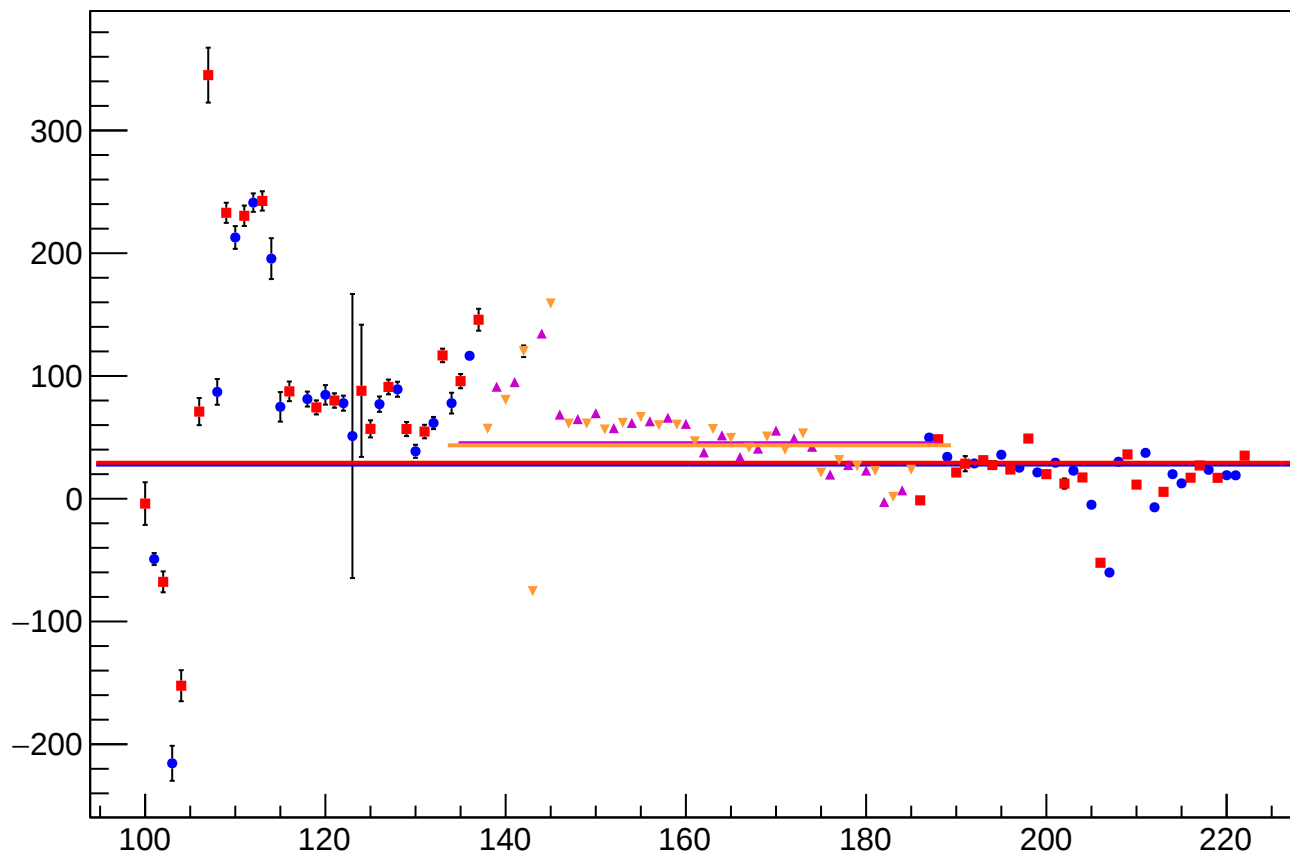
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 5.628 ± 0.333 χ^2/NDF : 1194.6/59

All: 6.283 ± 0.237 χ^2/NDF : 2078.6/120

- sign 6.945 ± 0.335 χ^2/NDF : 876.3/60

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 27.833+/-0.575 χ^2/NDF : 4368.4/34

Left Out: 43.524+/-0.498 χ^2/NDF : 3830.7/24

Right Out: 29.325+/-0.504 χ^2/NDF : 5492.5/37

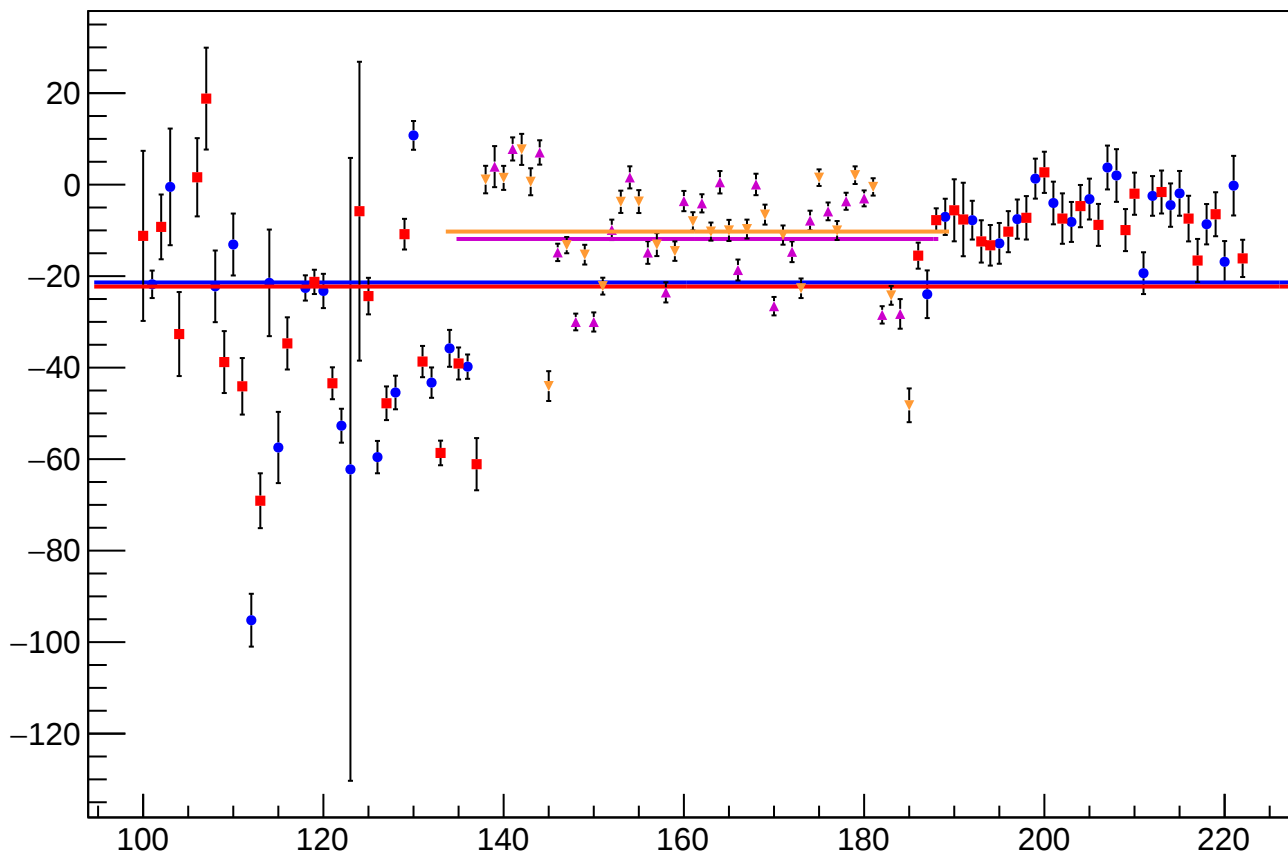
Left In: 45.211+/-0.504 χ^2/NDF : 3048.5/22

+ sign 36.790+/-0.377 χ^2/NDF : 8624.5/59

All: 37.043+/-0.259 χ^2/NDF : 17662.4/120

- sign 37.271+/-0.357 χ^2/NDF : 9037.0/60

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -21.382 ± 0.729 χ^2/NDF : 845.4/34

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -22.278 ± 0.715 χ^2/NDF : 685.9/37

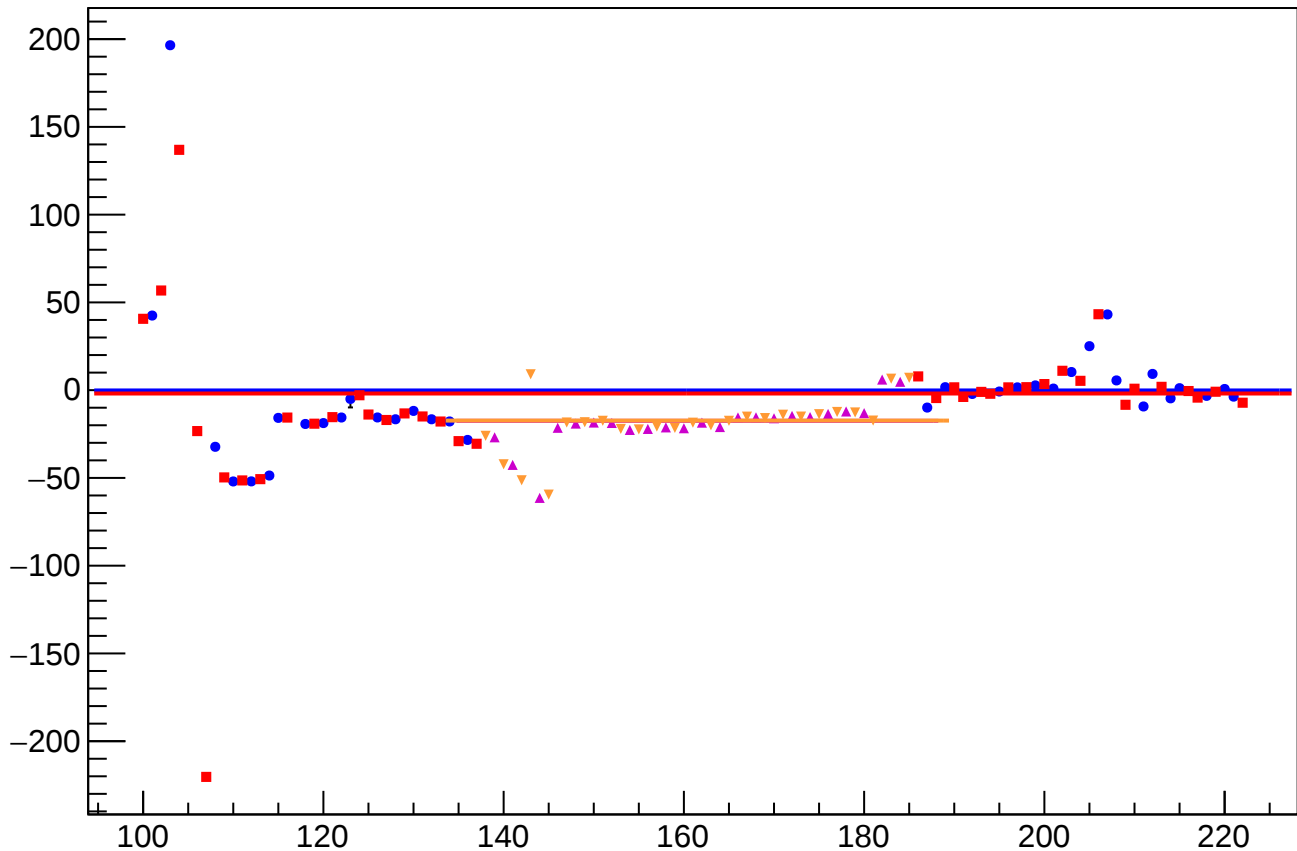
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.268 ± 0.379 χ^2/NDF : 1567.6/59

All: -14.066 ± 0.270 χ^2/NDF : 3079.2/120

- sign -14.886 ± 0.384 χ^2/NDF : 1502.7/60

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.170 ± 0.035 χ^2/NDF : 678557.2/34

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -1.907 ± 0.034 χ^2/NDF : 672892.9/37

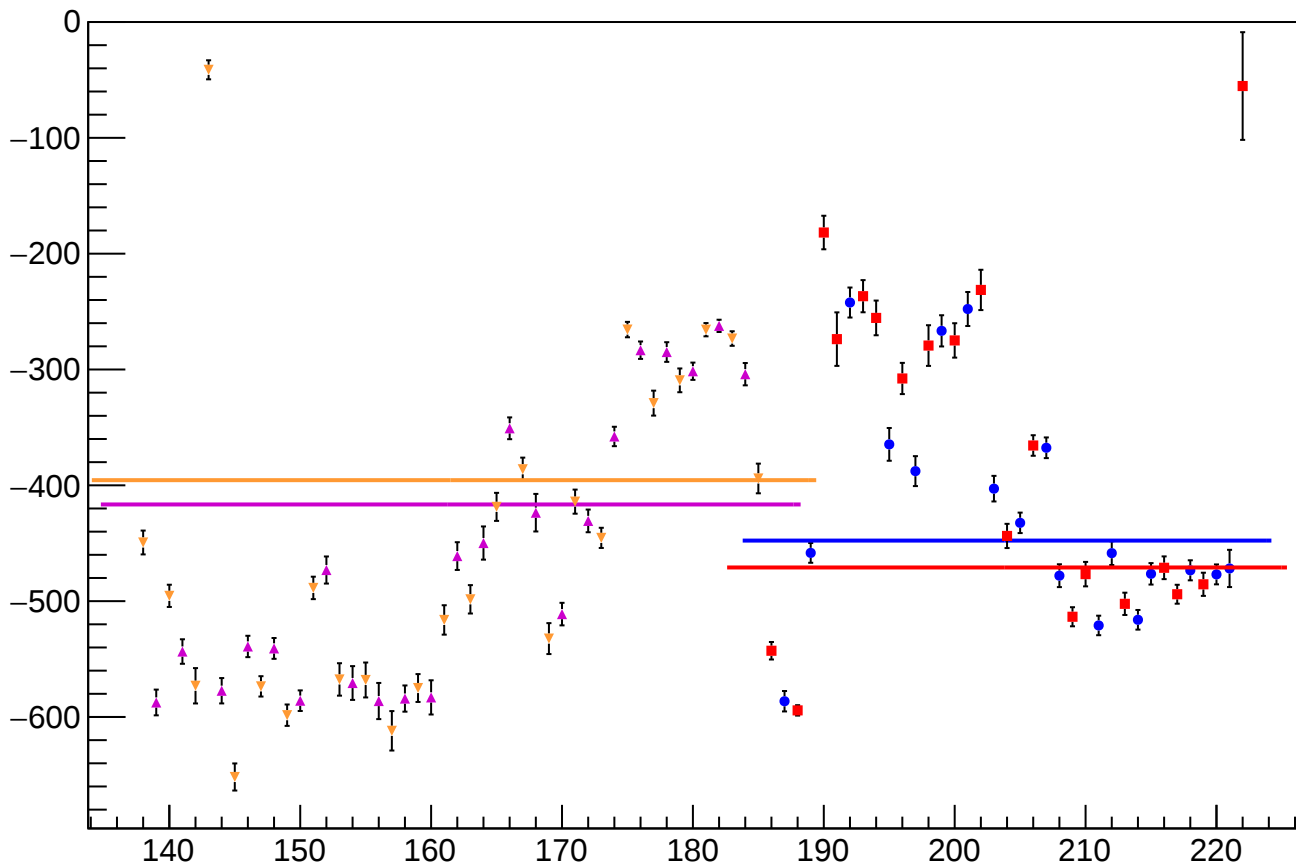
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -12.939 ± 0.018 χ^2/NDF : 1184955.2/59

All: -13.102 ± 0.012 χ^2/NDF : 2271259.3/120

- sign -13.266 ± 0.018 χ^2/NDF : 1086131.6/60

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -447.711 ± 2.374 χ^2/NDF : 1206.2/17

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -470.923 ± 2.280 χ^2/NDF : 2716.1/18

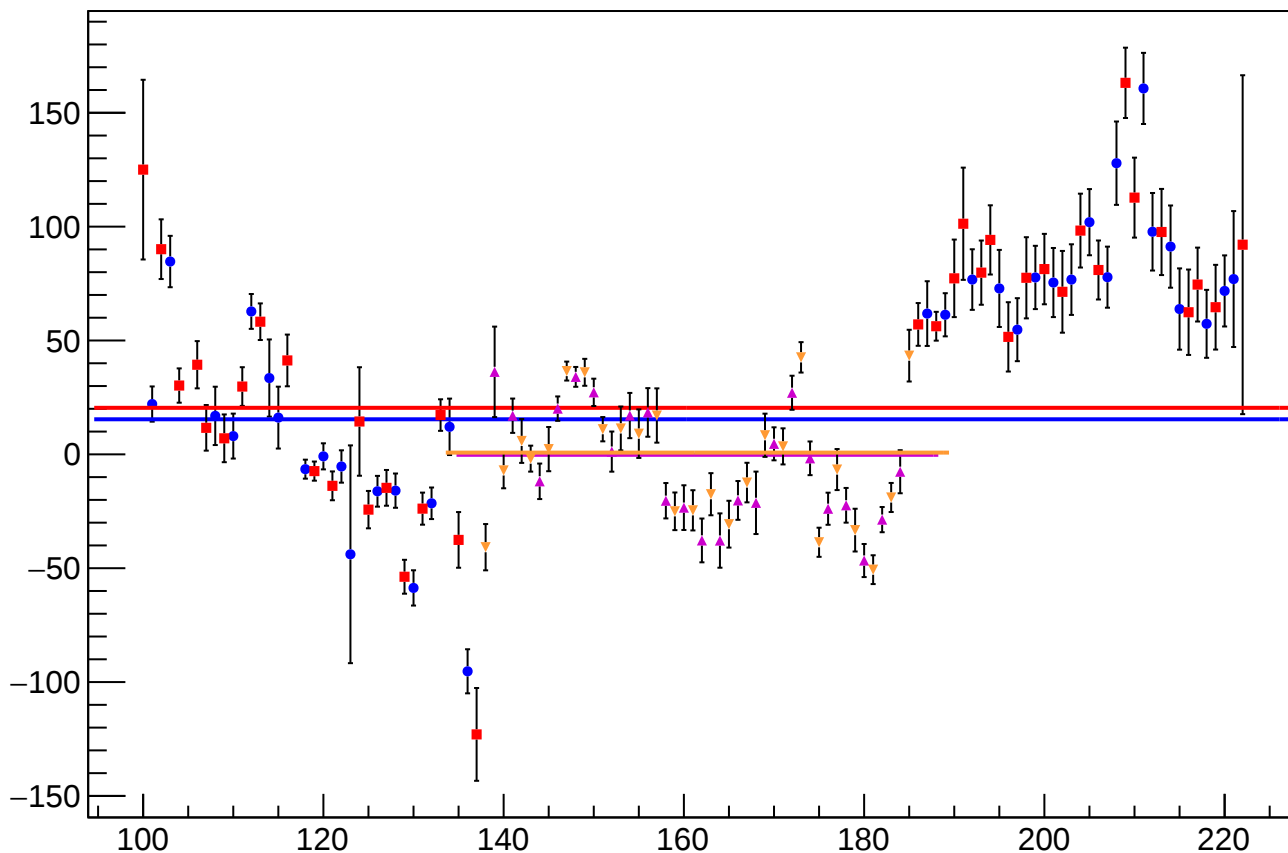
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -416.609 ± 1.508 χ^2/NDF : 7440.6/42

All: -428.447 ± 1.066 χ^2/NDF : 14517.7/84

- sign -440.241 ± 1.506 χ^2/NDF : 6954.2/41

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 15.398 ± 1.690 $\chi^2/\text{NDF}: 795.3/34$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 20.436 ± 1.650 $\chi^2/\text{NDF}: 749.2/37$

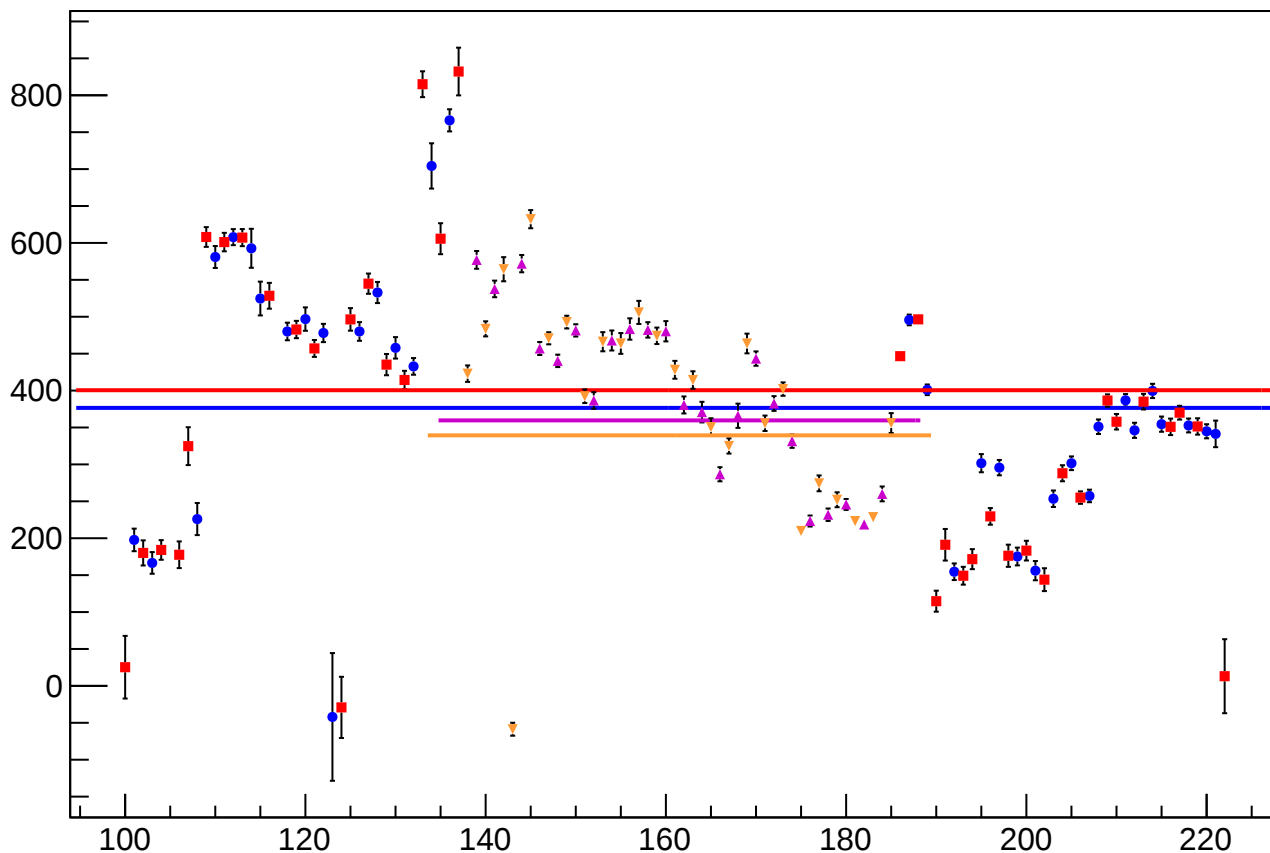
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 7.229 ± 1.123 $\chi^2/\text{NDF}: 1187.2/59$

All: 8.416 ± 0.800 $\chi^2/\text{NDF}: 2281.3/120$

- sign 9.639 ± 1.139 $\chi^2/\text{NDF}: 1091.8/60$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 376.565 $\pm$ 1.954 χ^2 /NDF: 4158.6/34

Left Out: 339.355 $\pm$ 1.963 χ^2 /NDF: 5502.5/24

Right Out: 400.480 $\pm$ 1.801 χ^2 /NDF: 6224.8/37

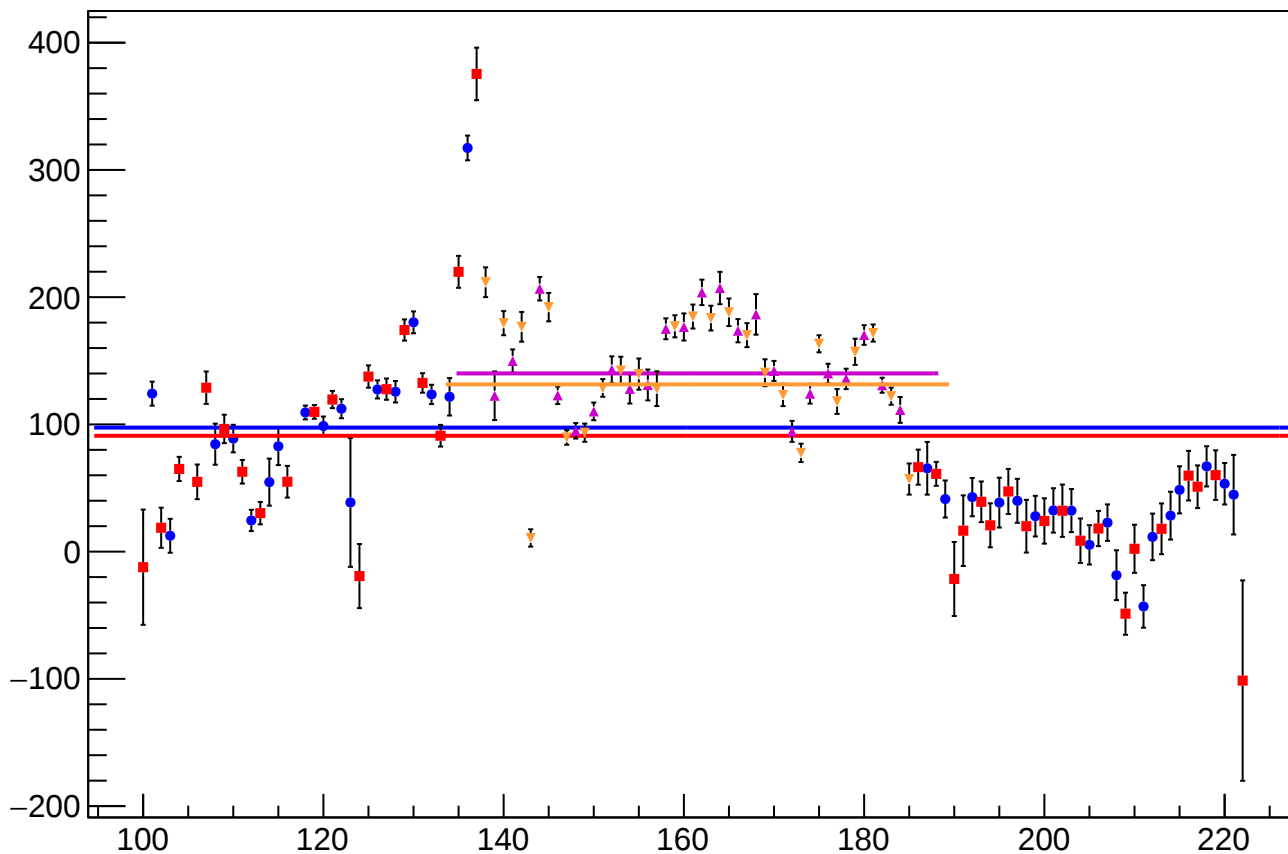
Left In: 359.609 $\pm$ 2.003 χ^2 /NDF: 3398.5/22

+ sign 358.039 $\pm$ 1.385 χ^2 /NDF: 9841.5/59

All: 370.527 $\pm$ 0.963 χ^2 /NDF: 19852.5/120

- sign 382.205 $\pm$ 1.339 χ^2 /NDF: 9853.6/60

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 97.480 ± 1.954 χ^2/NDF : 1113.2/34

Left Out: 131.464 ± 1.728 χ^2/NDF : 809.3/24

Right Out: 91.041 ± 1.929 χ^2/NDF : 912.2/37

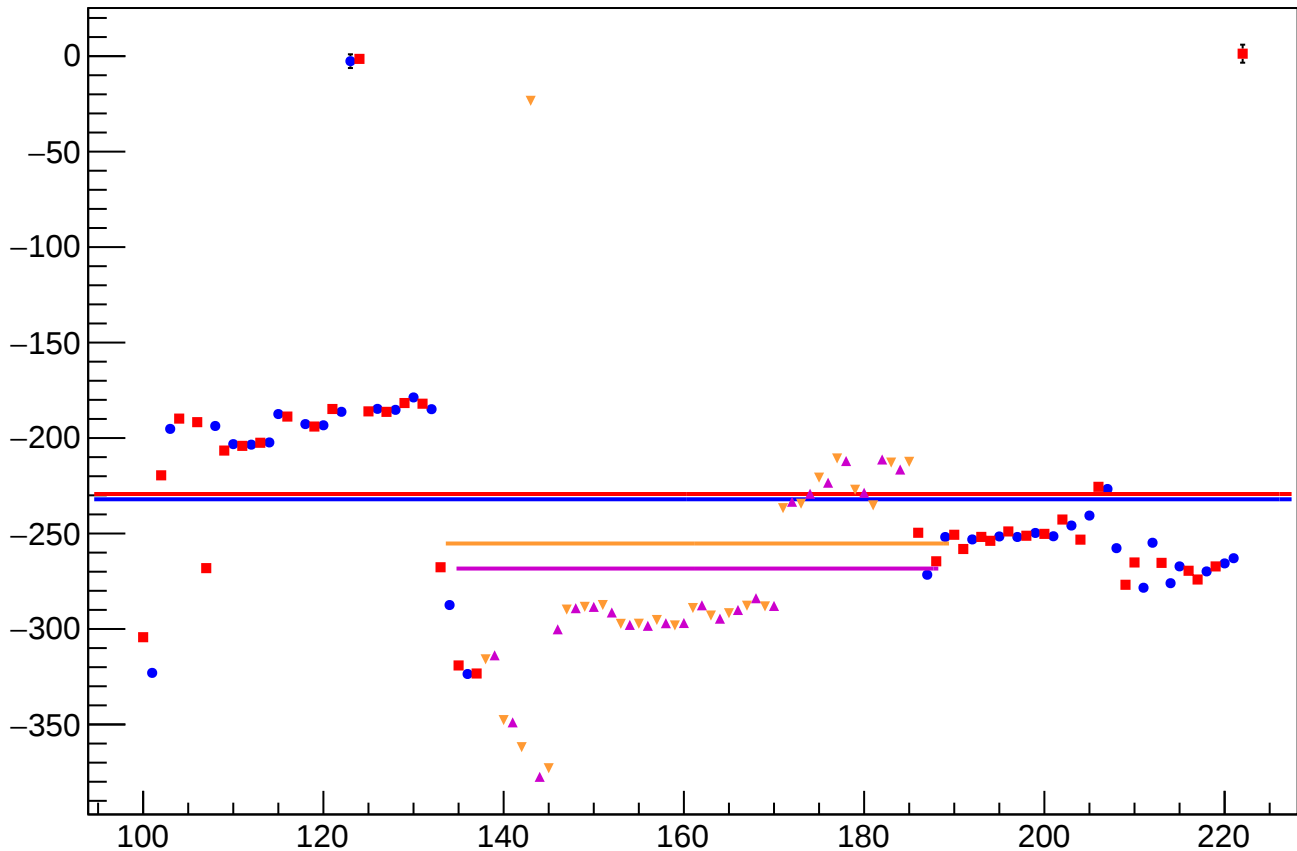
Left In: 140.069 ± 1.795 χ^2/NDF : 316.5/22

+ sign 116.556 ± 1.294 χ^2/NDF : 2092.3/59

All: 116.932 ± 0.922 χ^2/NDF : 3667.4/120

- sign 117.319 ± 1.314 χ^2/NDF : 1574.9/60

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -232.073 ± 0.104 χ^2/NDF : 179865.8/34

Left Out: -255.232 ± 0.082 χ^2/NDF : 728016.7/24

Right Out: -229.312 ± 0.100 χ^2/NDF : 163431.9/37

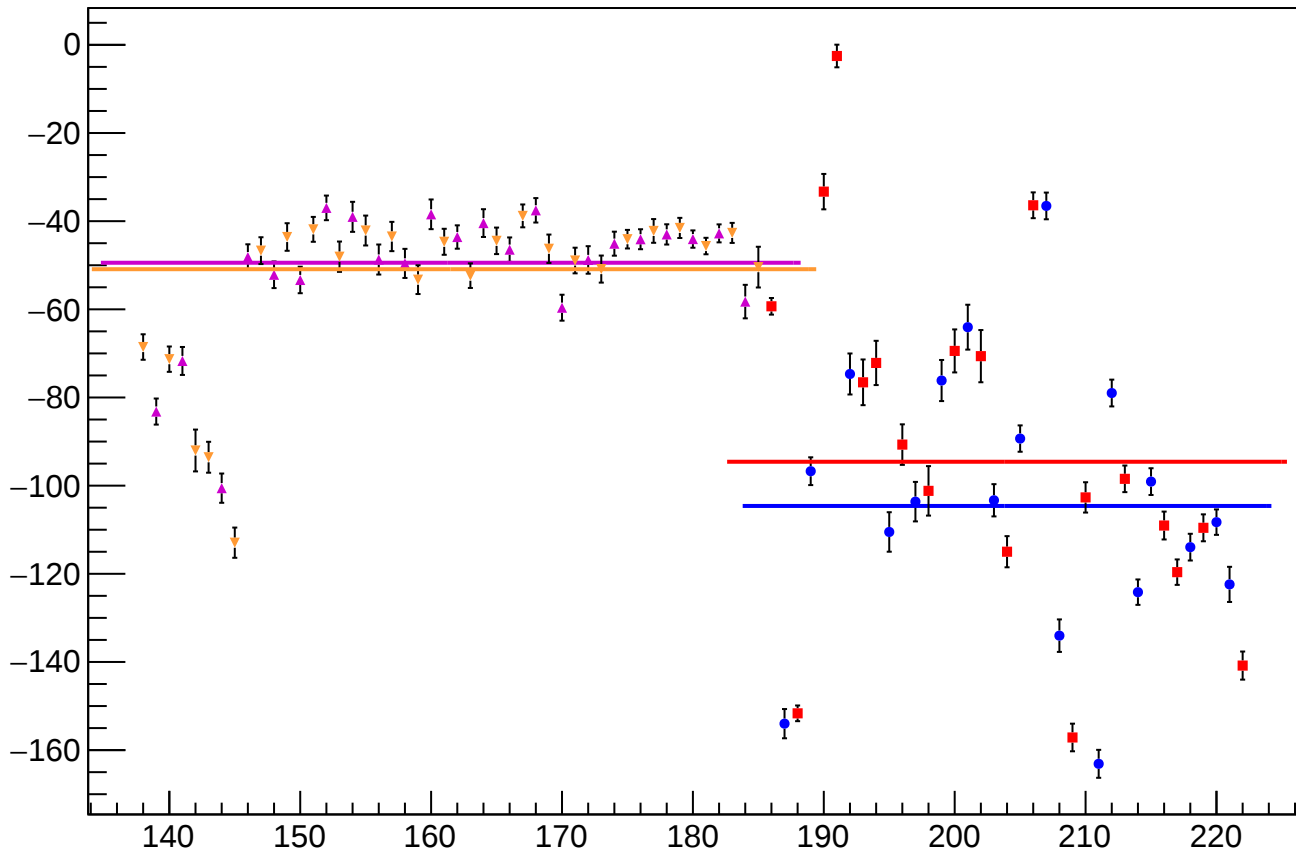
Left In: -268.353 ± 0.084 χ^2/NDF : 262479.3/22

+ sign -246.346 ± 0.064 χ^2/NDF : 938516.8/59

All: -249.325 ± 0.045 χ^2/NDF : 1458404.6/12

- sign -252.286 ± 0.064 χ^2/NDF : 515614.5/60

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -104.607 ± 0.811 χ^2/NDF : 1458.0/17

Left Out: -50.897 ± 0.573 χ^2/NDF : 761.1/24

Right Out: -94.578 ± 0.715 χ^2/NDF : 4136.6/18

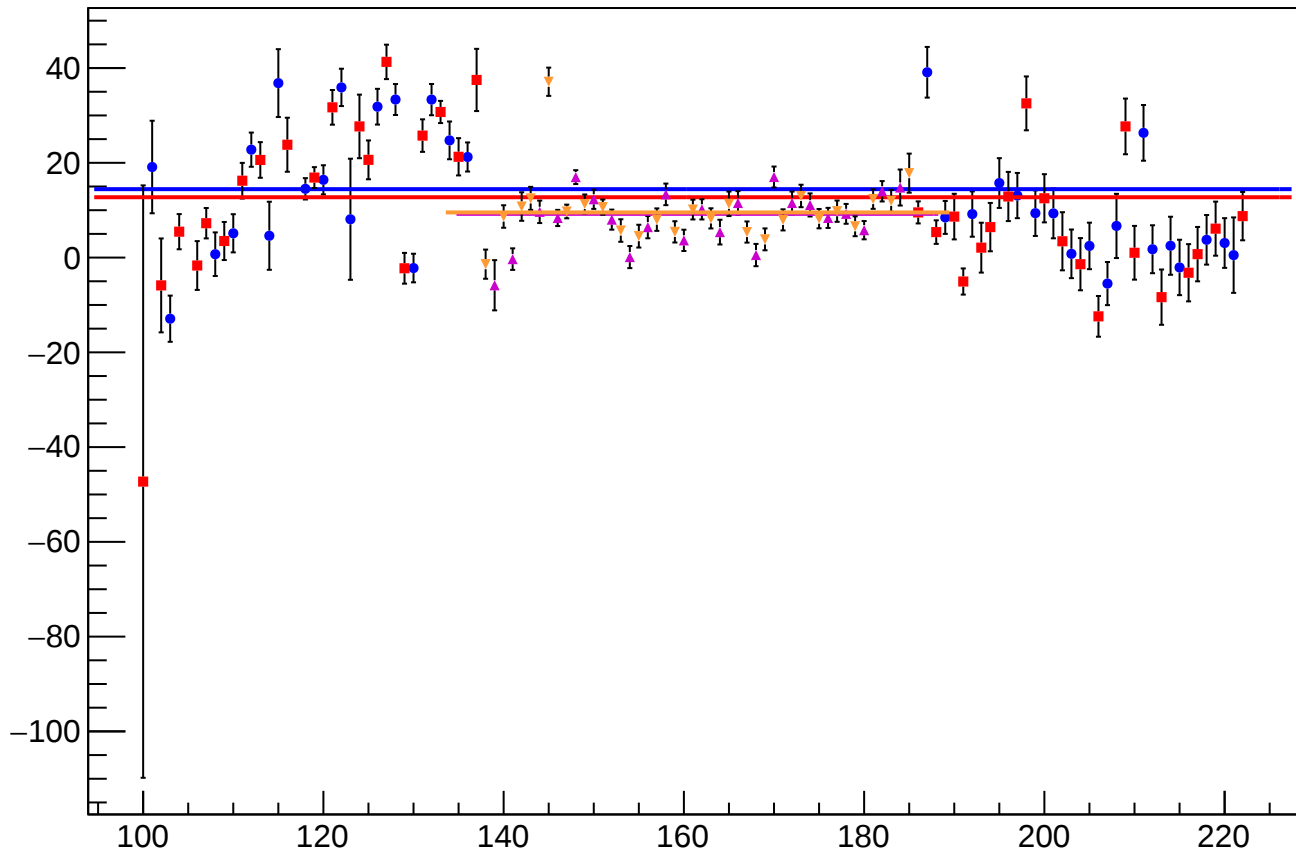
Left In: -49.432 ± 0.584 χ^2/NDF : 543.4/22

+ sign -68.766 ± 0.468 χ^2/NDF : 5144.6/42

All: -68.107 ± 0.325 χ^2/NDF : 12219.7/84

- sign -67.492 ± 0.452 χ^2/NDF : 7071.2/41

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 14.442 ± 0.732 χ^2/NDF : 318.2/34

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 12.735 ± 0.649 χ^2/NDF : 398.6/37

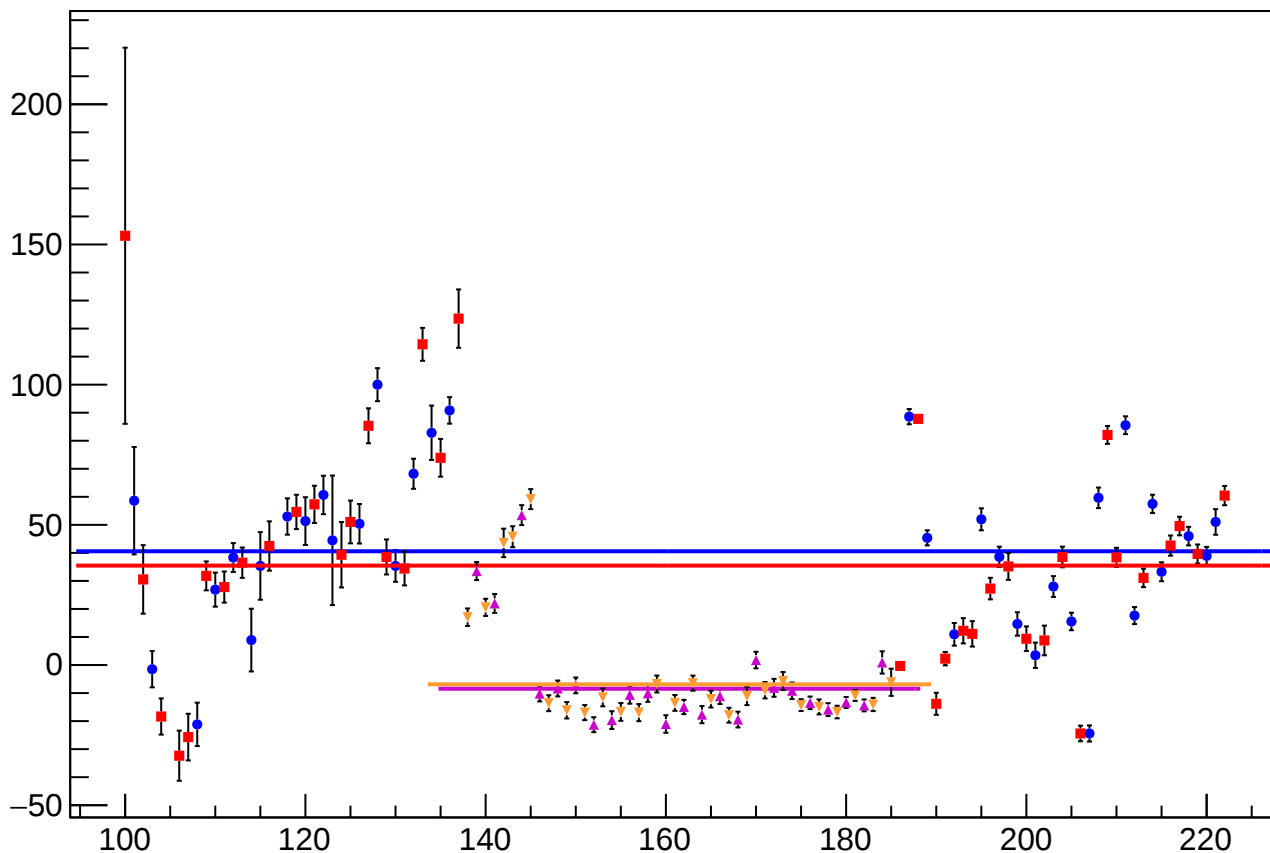
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 10.860 ± 0.381 χ^2/NDF : 485.4/59

All: 10.632 ± 0.268 χ^2/NDF : 1028.1/120

- sign 10.408 ± 0.376 χ^2/NDF : 541.9/60

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 40.576 ± 0.720 $\chi^2/\text{NDF}: 1786.3/34$

Left Out: -6.888 ± 0.571 $\chi^2/\text{NDF}: 914.2/24$

Right Out: 35.463 ± 0.612 $\chi^2/\text{NDF}: 3681.2/37$

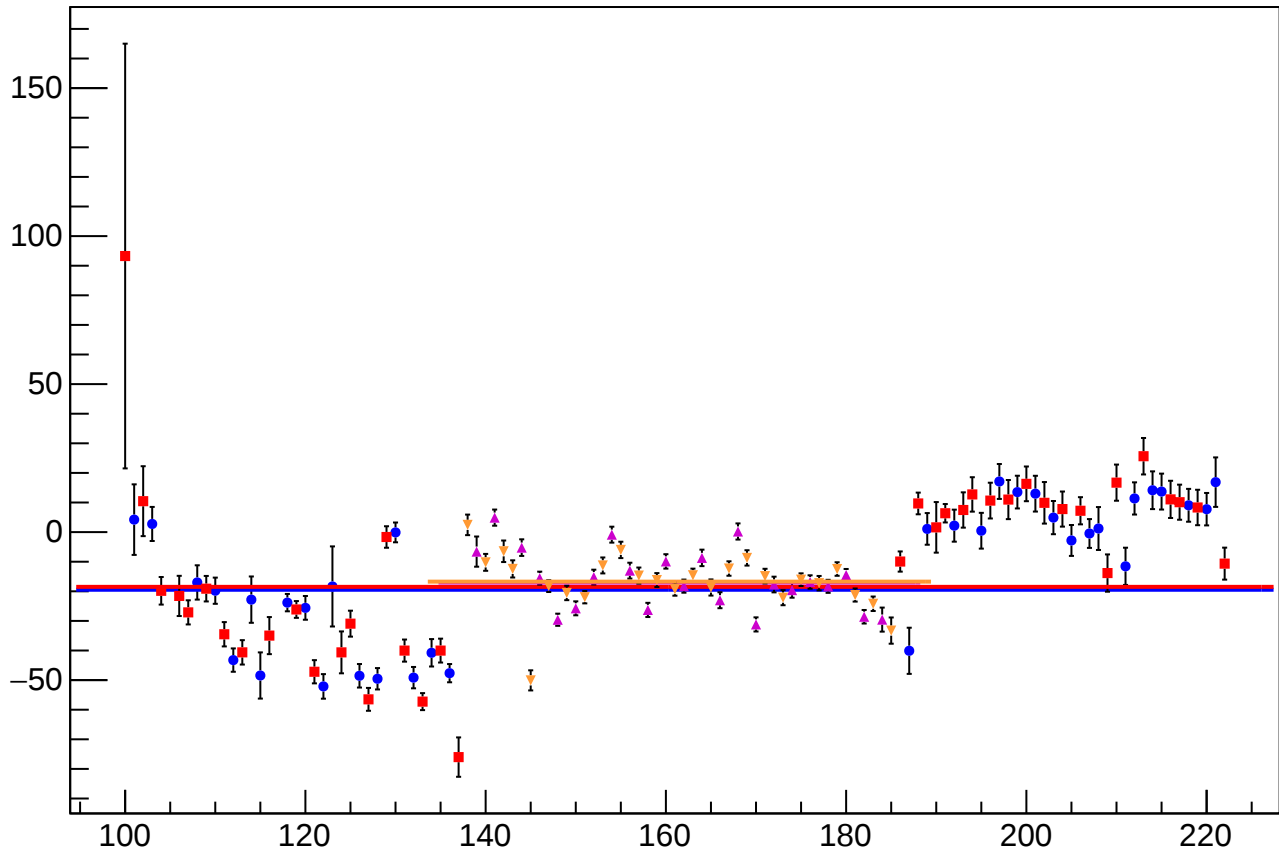
Left In: -8.451 ± 0.580 $\chi^2/\text{NDF}: 688.9/22$

+ sign 11.435 ± 0.447 $\chi^2/\text{NDF}: 5368.2/59$

All: 11.903 ± 0.307 $\chi^2/\text{NDF}: 12453.2/120$

- sign 12.317 ± 0.421 $\chi^2/\text{NDF}: 7082.9/60$

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -19.475 ± 0.834 $\chi^2/\text{NDF}: 830.3/34$

Left Out: -16.733 ± 0.507 $\chi^2/\text{NDF}: 223.3/24$

Right Out: -18.494 ± 0.763 $\chi^2/\text{NDF}: 1060.9/37$

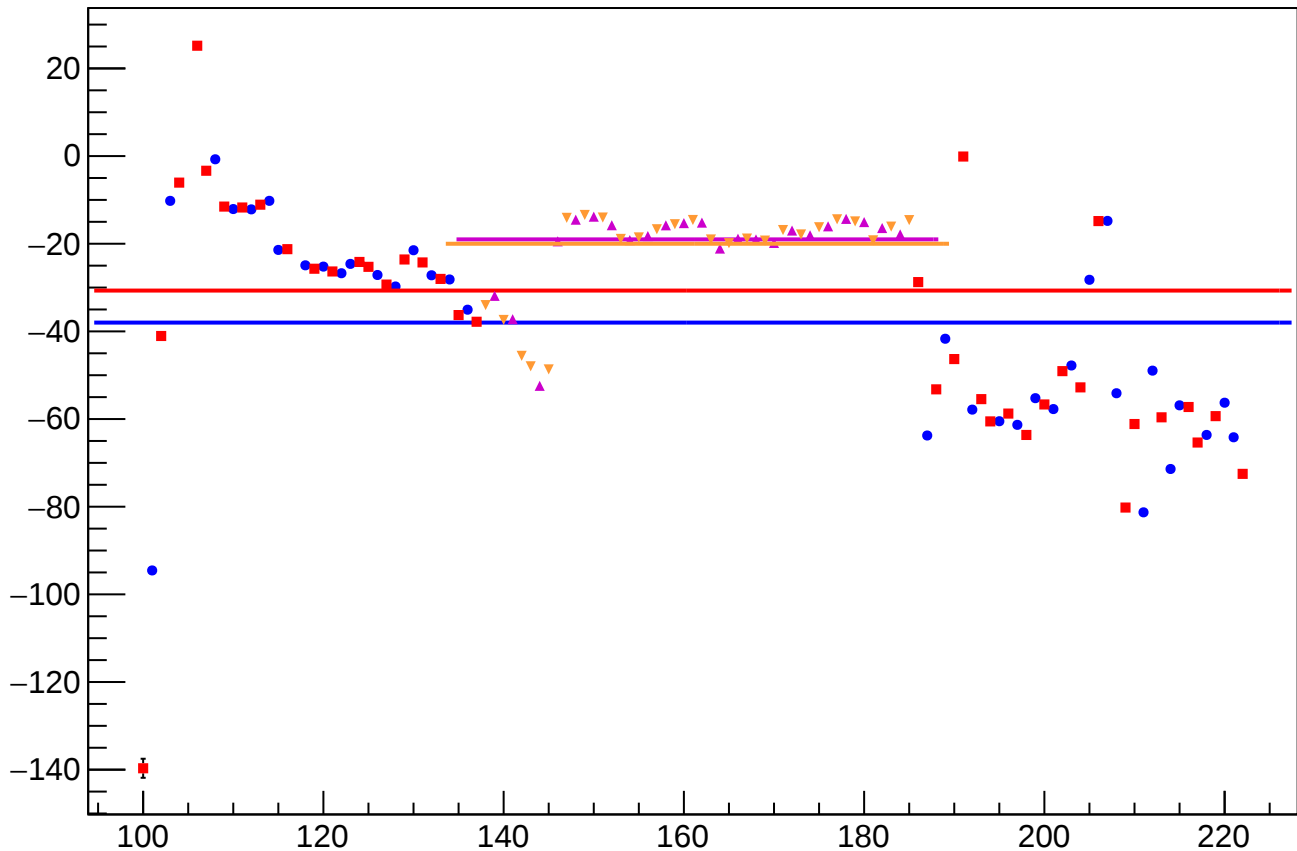
Left In: -17.023 ± 0.522 $\chi^2/\text{NDF}: 327.6/22$

+ sign -17.472 ± 0.433 $\chi^2/\text{NDF}: 1061.4/59$

All: -17.482 ± 0.305 $\chi^2/\text{NDF}: 2452.5/120$

- sign -17.492 ± 0.431 $\chi^2/\text{NDF}: 1391.1/60$

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -37.993 ± 0.040 $\chi^2/\text{NDF}: 271462.9/34$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -30.685 ± 0.035 $\chi^2/\text{NDF}: 509399.9/37$

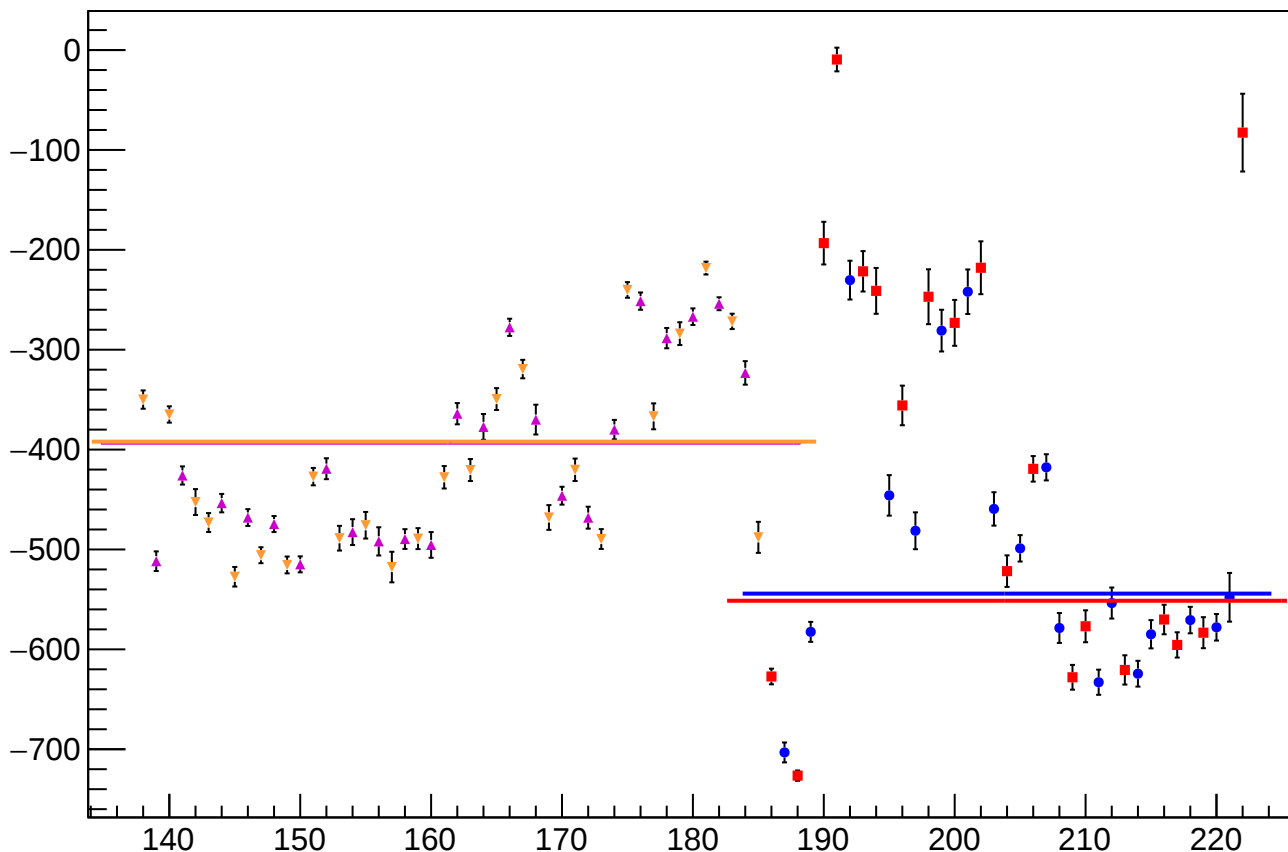
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -24.571 ± 0.020 $\chi^2/\text{NDF}: 568390.9/59$

All: -23.572 ± 0.014 $\chi^2/\text{NDF}: 1248704.2/120$

- sign -22.617 ± 0.020 $\chi^2/\text{NDF}: 675493.2/60$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -544.206 ± 3.401 $\chi^2/\text{NDF}: 1151.7/17$

Left Out: -392.054 ± 1.967 $\chi^2/\text{NDF}: 2717.2/24$

Right Out: -551.336 ± 2.947 $\chi^2/\text{NDF}: 4915.6/18$

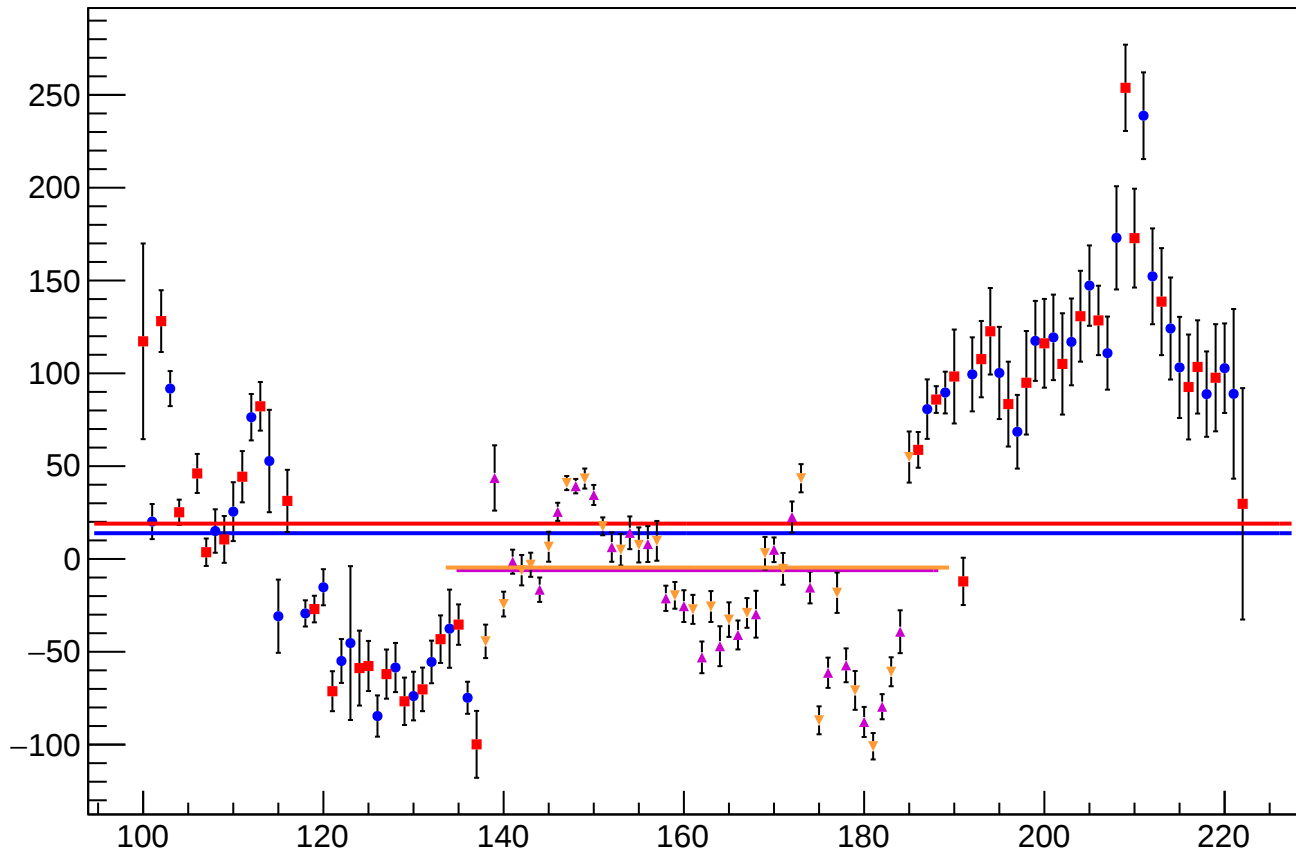
Left In: -393.113 ± 2.006 $\chi^2/\text{NDF}: 2253.3/22$

+ sign -430.184 ± 1.702 $\chi^2/\text{NDF}: 5369.0/42$

All: -436.857 ± 1.188 $\chi^2/\text{NDF}: 14537.6/84$

- sign -443.187 ± 1.658 $\chi^2/\text{NDF}: 9138.7/41$

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 13.880 ± 2.457 $\chi^2/\text{NDF}: 919.3/34$

Left Out: -4.624 ± 1.462 $\chi^2/\text{NDF}: 772.9/24$

Right Out: 19.041 ± 2.192 $\chi^2/\text{NDF}: 920.5/37$

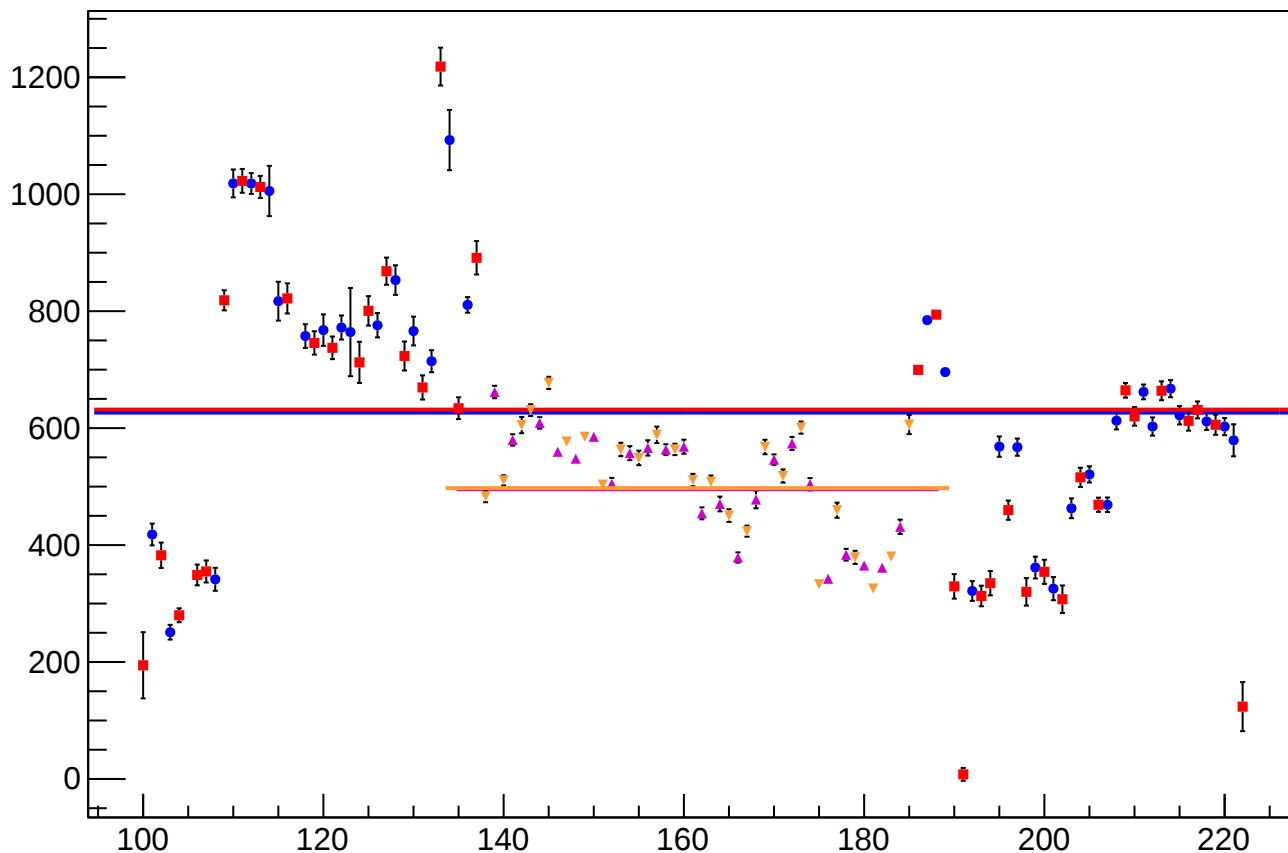
Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

+ sign 0.217 ± 1.257 $\chi^2/\text{NDF}: 1734.1/59$

All: 1.162 ± 0.885 $\chi^2/\text{NDF}: 3398.2/120$

- sign 2.094 ± 1.247 $\chi^2/\text{NDF}: 1663.0/60$

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 626.648 ± 2.726 $\chi^2/\text{NDF}: 4237.6/34$

Left Out: 497.381 ± 1.966 $\chi^2/\text{NDF}: 2614.6/24$

Right Out: 631.631 ± 2.295 $\chi^2/\text{NDF}: 9783.4/37$

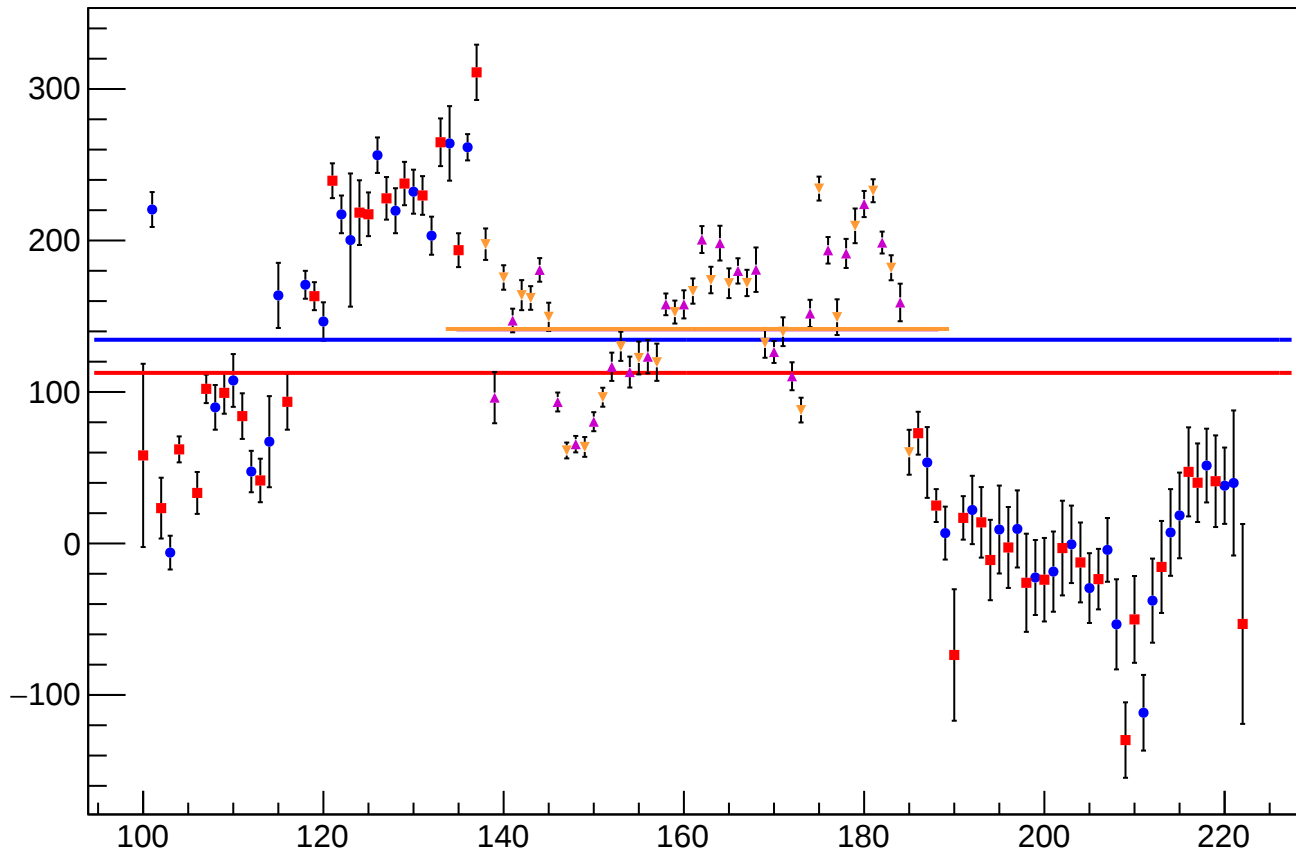
Left In: 495.454 ± 1.992 $\chi^2/\text{NDF}: 2253.8/22$

+ sign 541.601 ± 1.595 $\chi^2/\text{NDF}: 8331.2/59$

All: 548.151 ± 1.094 $\chi^2/\text{NDF}: 22408.5/120$

- sign 553.982 ± 1.504 $\chi^2/\text{NDF}: 14045.4/60$

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 134.476 ± 2.844 χ^2/NDF : 1366.0/34

Left Out: 141.588 ± 1.698 χ^2/NDF : 959.6/24

Right Out: 112.611 ± 2.613 χ^2/NDF : 1329.2/37

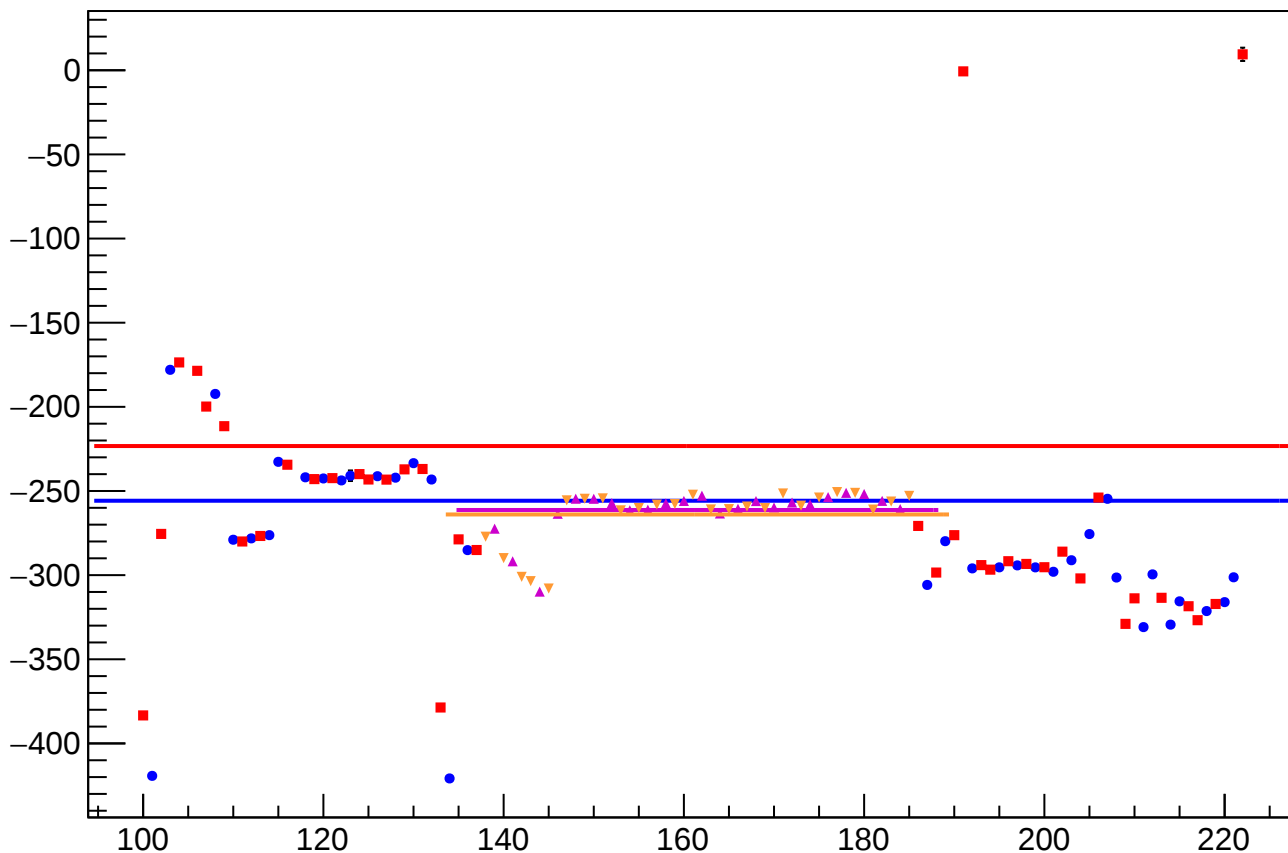
Left In: 141.360 ± 1.748 χ^2/NDF : 741.2/22

+ sign 139.718 ± 1.458 χ^2/NDF : 2330.2/59

All: 136.083 ± 1.029 χ^2/NDF : 4496.7/120

- sign 132.474 ± 1.453 χ^2/NDF : 2154.1/60

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -255.794 ± 0.133 $\chi^2/\text{NDF}: 210966.8/34$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -223.293 ± 0.120 $\chi^2/\text{NDF}: 524434.4/37$

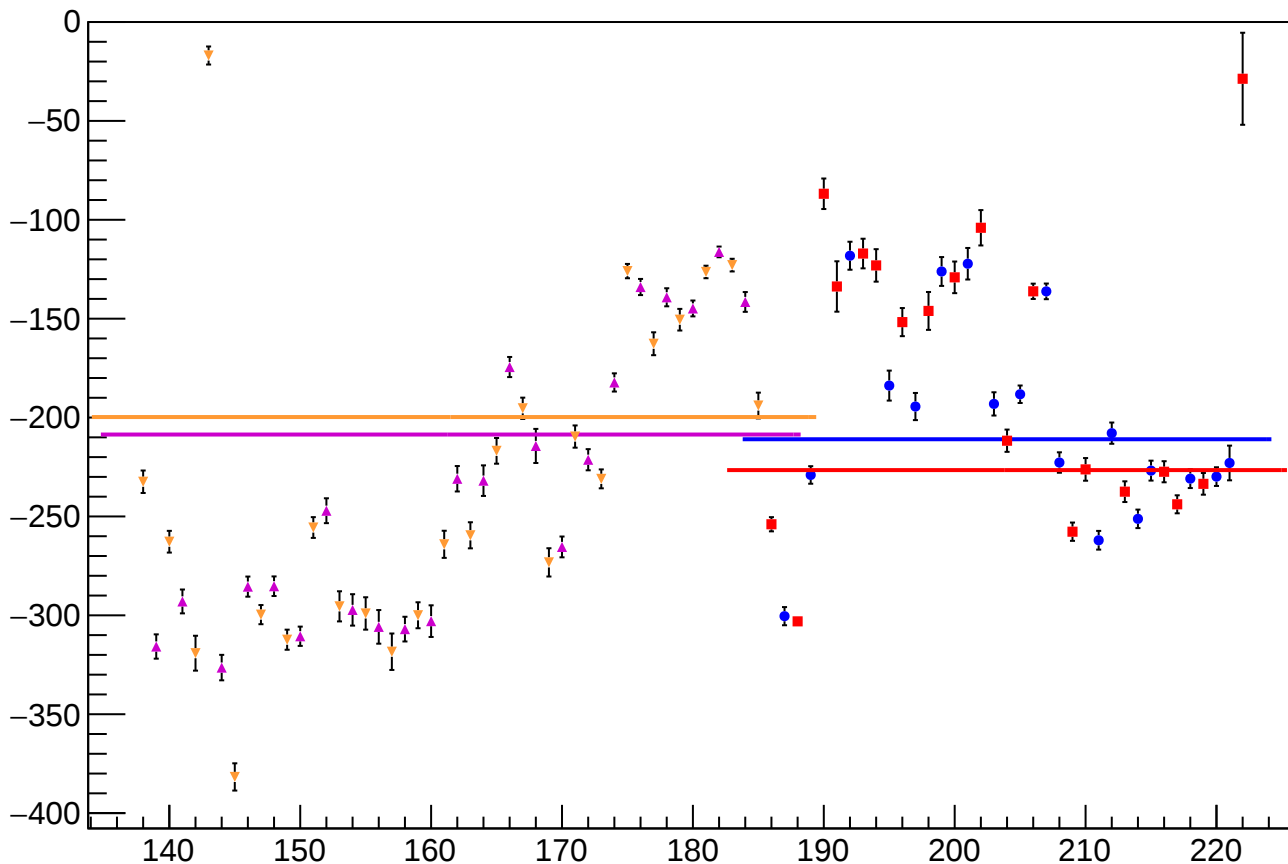
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -261.730 ± 0.069 $\chi^2/\text{NDF}: 252784.0/59$

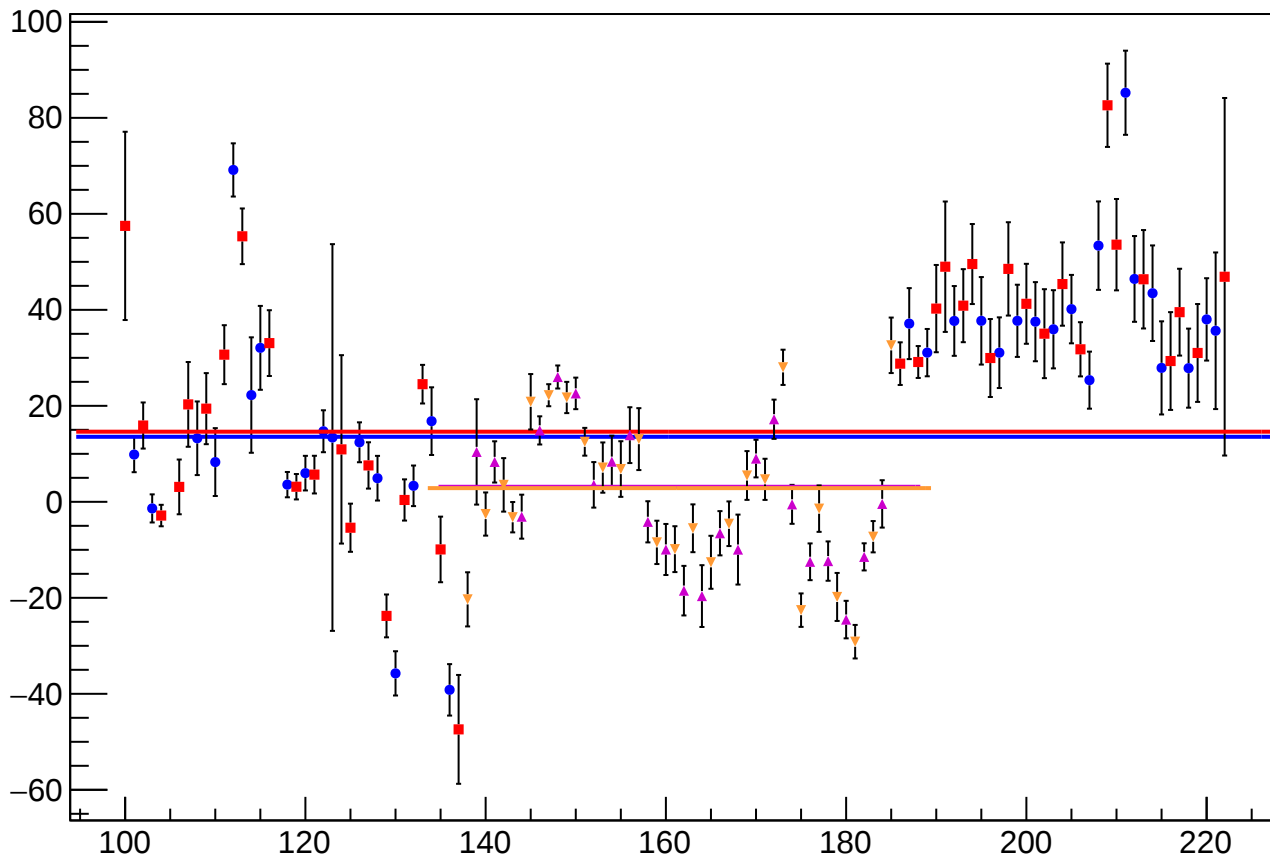
All: -255.352 ± 0.048 $\chi^2/\text{NDF}: 885106.1/120$

- sign -249.260 ± 0.068 $\chi^2/\text{NDF}: 615780.4/60$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 13.549 $\pm$ 0.949 χ^2 /NDF: 586.6/34

Left Out: 2.853 $\pm$ 0.820 χ^2 /NDF: 419.8/24

Right Out: 14.614 $\pm$ 0.903 χ^2 /NDF: 536.4/37

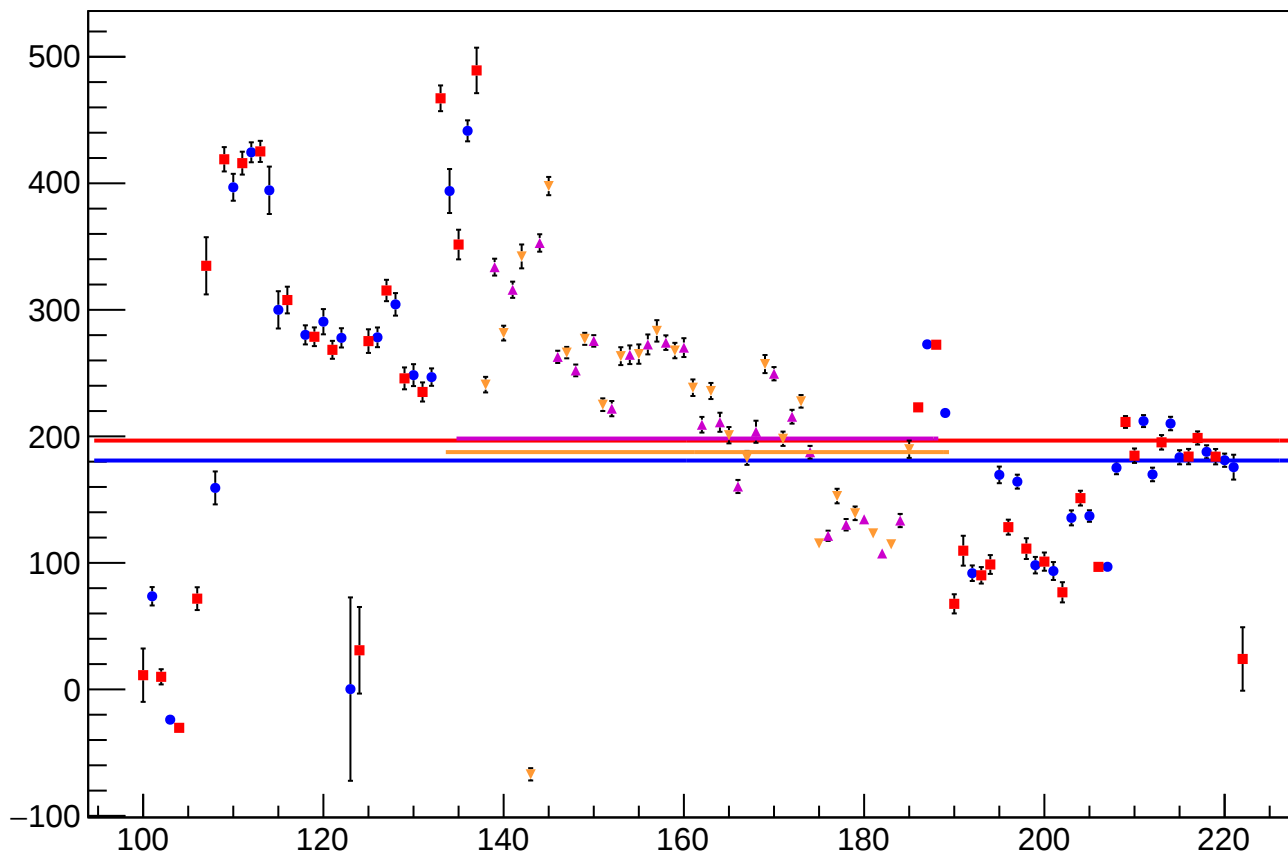
Left In: 3.136 $\pm$ 0.857 χ^2 /NDF: 319.8/22

+ sign 7.424 $\pm$ 0.620 χ^2 /NDF: 1079.2/59

All: 7.997 $\pm$ 0.439 χ^2 /NDF: 2022.1/120

- sign 8.572 $\pm$ 0.621 χ^2 /NDF: 941.2/60

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 180.898 $\pm$ 1.033 χ^2 /NDF: 8772.2/34

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 196.675 $\pm$ 0.948 χ^2 /NDF: 12201.9/37

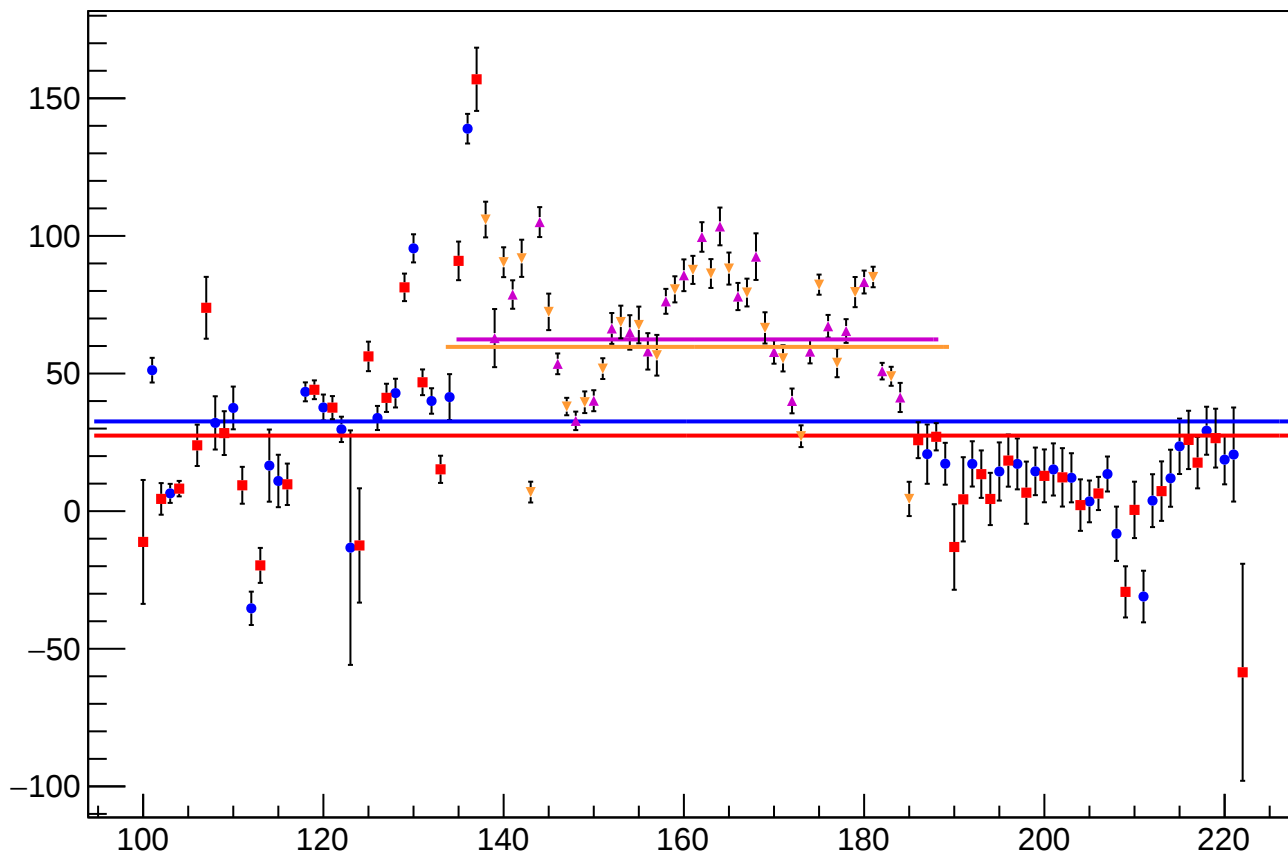
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 184.128 $\pm$ 0.742 χ^2 /NDF: 15874.4/59

All: 191.012 $\pm$ 0.514 χ^2 /NDF: 32758.8/120

- sign 197.367 $\pm$ 0.713 χ^2 /NDF: 16718.9/60

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 32.601 $\pm$ 1.100 χ^2 /NDF: 900.3/34

Left Out: 59.682 $\pm$ 0.941 χ^2 /NDF: 757.6/24

Right Out: 27.456 $\pm$ 1.071 χ^2 /NDF: 668.1/37

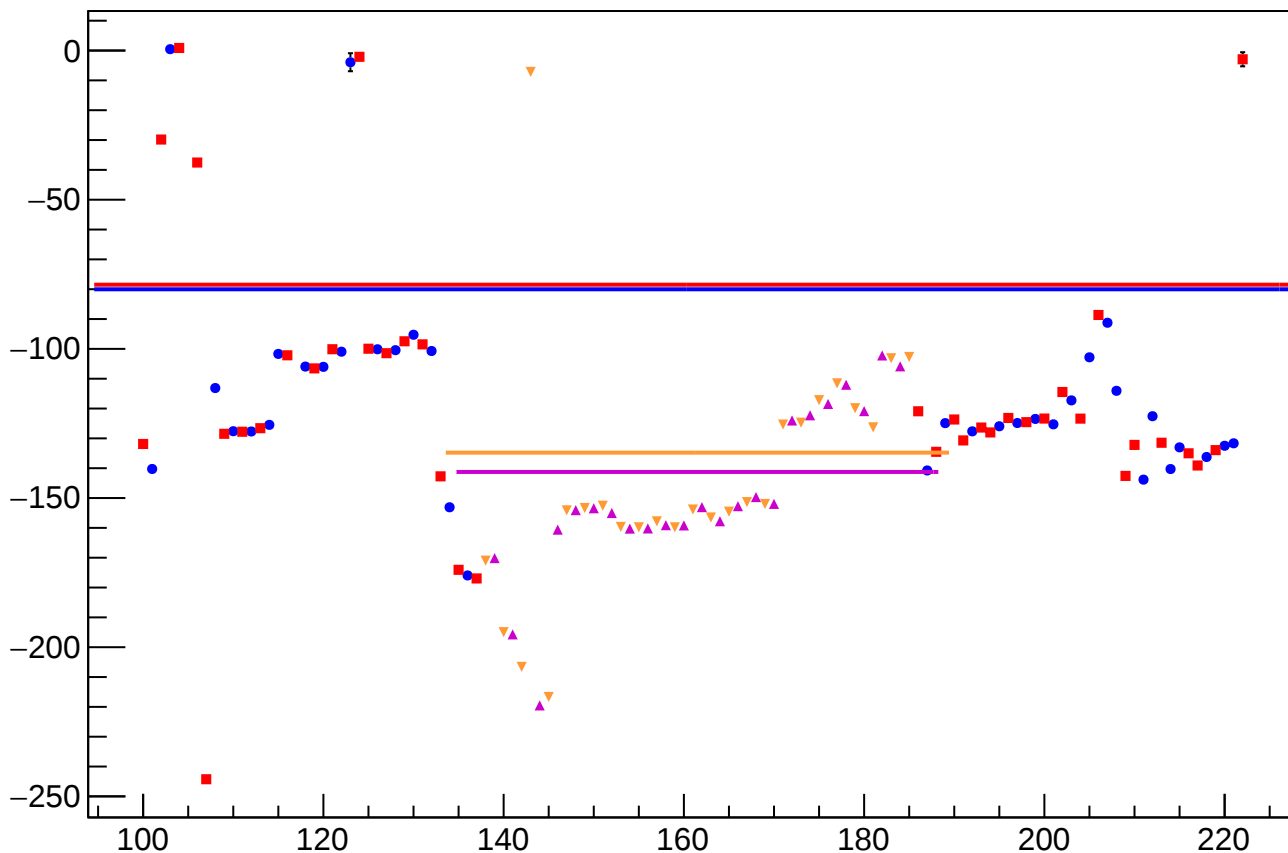
Left In: 62.400 $\pm$ 0.974 χ^2 /NDF: 406.3/22

+ sign 48.245 $\pm$ 0.715 χ^2 /NDF: 2007.9/59

All: 47.418 $\pm$ 0.508 χ^2 /NDF: 3667.5/120

- sign 46.579 $\pm$ 0.721 χ^2 /NDF: 1657.0/60

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -80.029 ± 0.050 χ^2/NDF : 1494365.4/34

Left Out: -134.780 ± 0.045 χ^2/NDF : 804747.3/24

Right Out: -78.486 ± 0.049 χ^2/NDF : 1472934.5/37

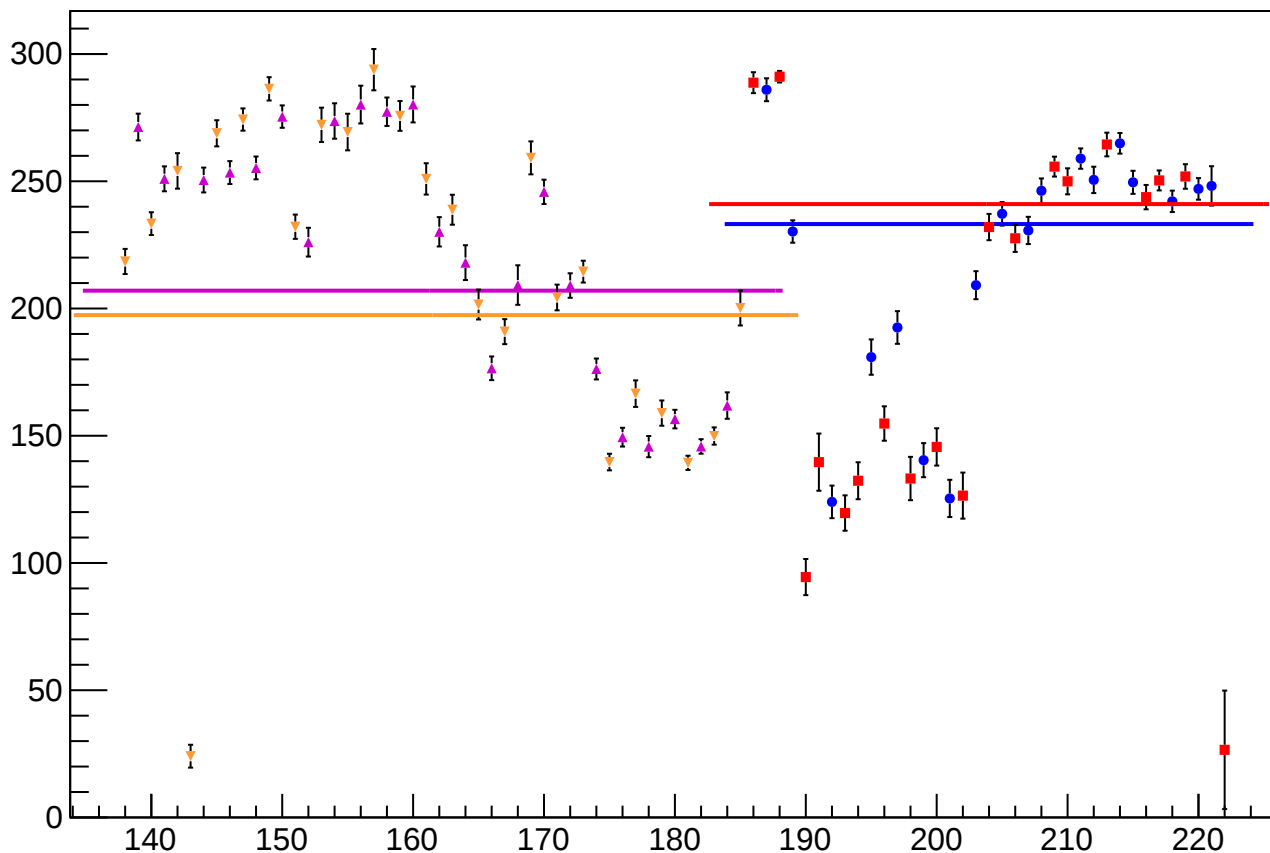
Left In: -141.255 ± 0.045 χ^2/NDF : 347229.8/22

+ sign -110.415 ± 0.033 χ^2/NDF : 2972695.9/59

All: -111.225 ± 0.023 χ^2/NDF : 5688283.6/12

- sign -112.033 ± 0.033 χ^2/NDF : 2714395.3/60

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 233.189 ± 1.189 $\chi^2/\text{NDF}: 1108.8/17$

Left Out: 197.408 ± 0.963 $\chi^2/\text{NDF}: 4384.2/24$

Right Out: 241.034 ± 1.146 $\chi^2/\text{NDF}: 2454.1/18$

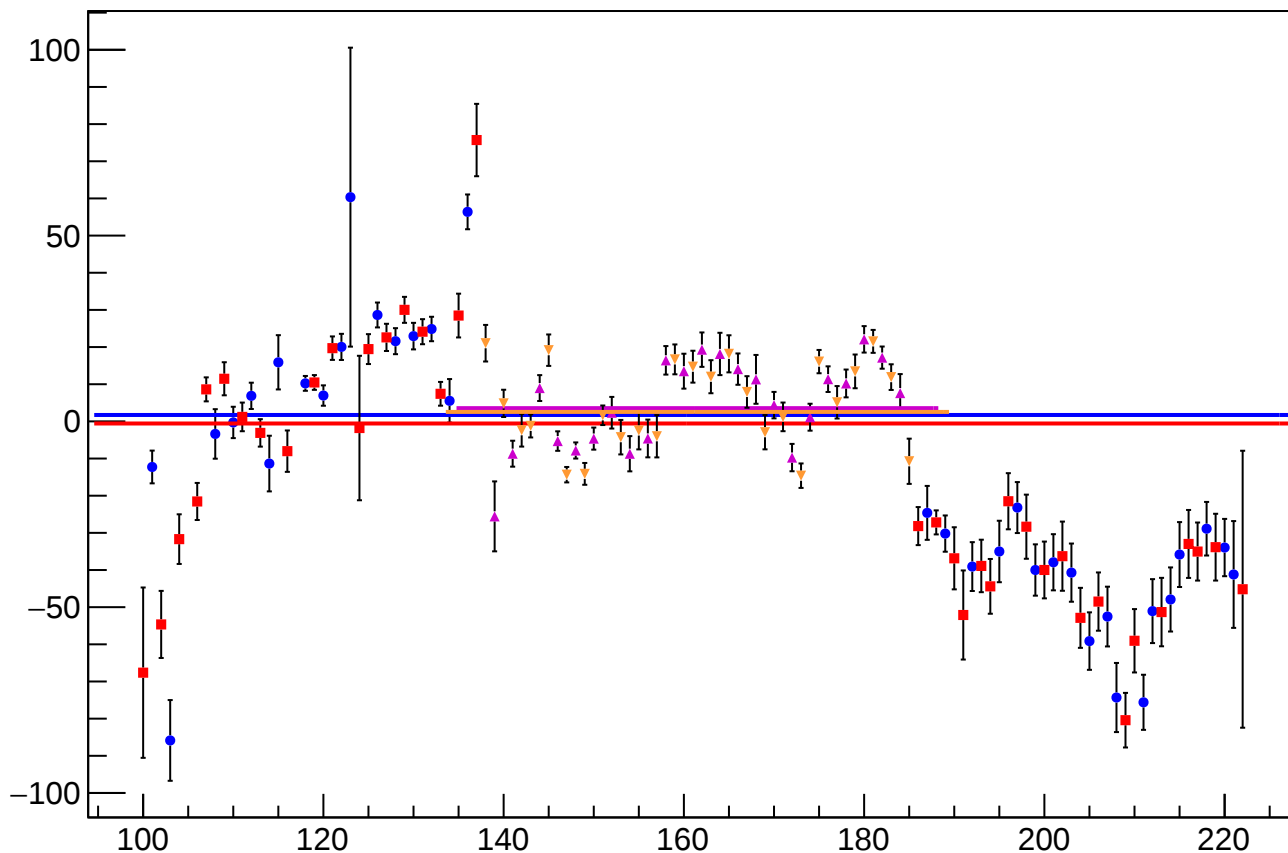
Left In: 207.014 ± 0.990 $\chi^2/\text{NDF}: 2611.5/22$

+ sign 211.573 ± 0.748 $\chi^2/\text{NDF}: 6039.7/42$

All: 216.555 ± 0.530 $\chi^2/\text{NDF}: 11698.3/84$

- sign 221.550 ± 0.749 $\chi^2/\text{NDF}: 5569.9/41$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 1.724 ± 0.829 χ^2/NDF : 1095.7/34

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: -0.569 ± 0.799 χ^2/NDF : 1041.2/37

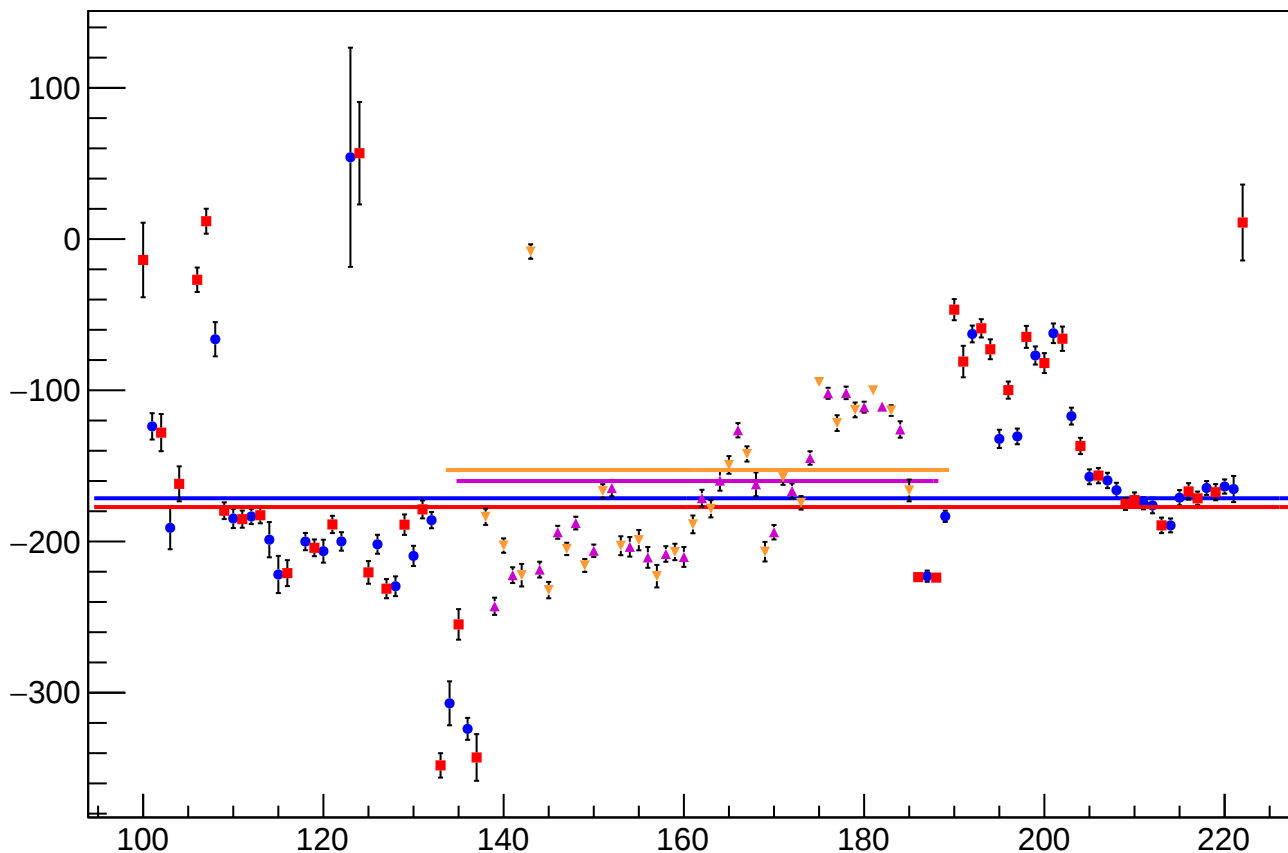
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 2.182 ± 0.552 χ^2/NDF : 1371.7/59

All: 1.874 ± 0.392 χ^2/NDF : 2619.2/120

- sign 1.561 ± 0.556 χ^2/NDF : 1246.9/60

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -171.410 ± 0.977 χ^2/NDF : 2254.3/34

Left Out: -152.738 ± 0.967 χ^2/NDF : 3077.8/24

Right Out: -177.228 ± 0.900 χ^2/NDF : 4651.1/37

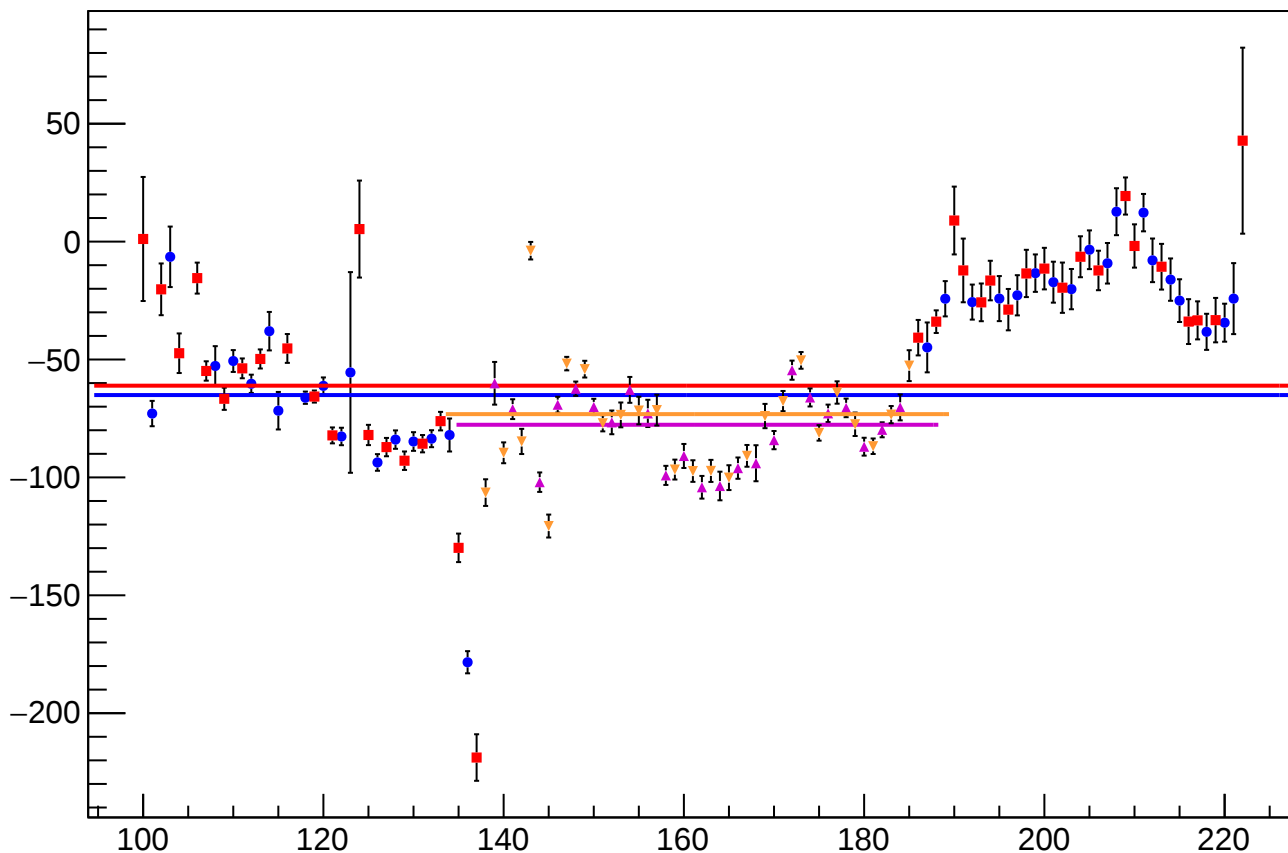
Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

+ sign -161.981 ± 0.687 χ^2/NDF : 5516.6/59

All: -165.826 ± 0.478 χ^2/NDF : 12418.4/120

- sign -169.433 ± 0.665 χ^2/NDF : 6841.1/60

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -65.078 ± 0.957 $\chi^2/\text{NDF}: 1380.8/34$

Left Out: -73.165 ± 0.851 $\chi^2/\text{NDF}: 788.6/24$

Right Out: -61.101 ± 0.932 $\chi^2/\text{NDF}: 1212.5/37$

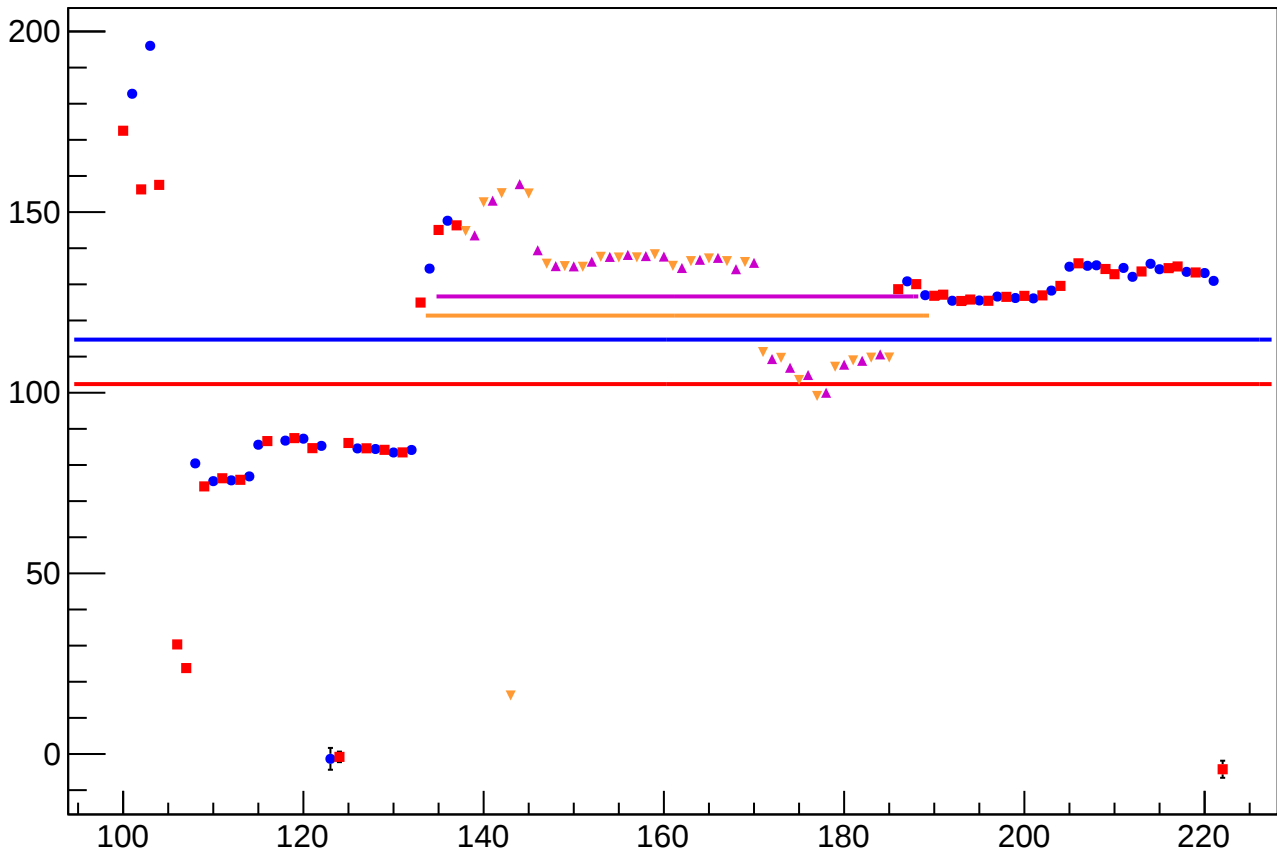
Left In: -77.678 ± 0.883 $\chi^2/\text{NDF}: 248.3/22$

+ sign -69.594 ± 0.636 $\chi^2/\text{NDF}: 2209.2/59$

All: -69.716 ± 0.452 $\chi^2/\text{NDF}: 3836.8/120$

- sign -69.839 ± 0.641 $\chi^2/\text{NDF}: 1627.5/60$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 114.709 $\pm$ 0.053 χ^2 /NDF: 331859.0/34

Left Out: 121.356 $\pm$ 0.040 χ^2 /NDF: 481977.3/24

Right Out: 102.393 $\pm$ 0.050 χ^2 /NDF: 612990.3/37

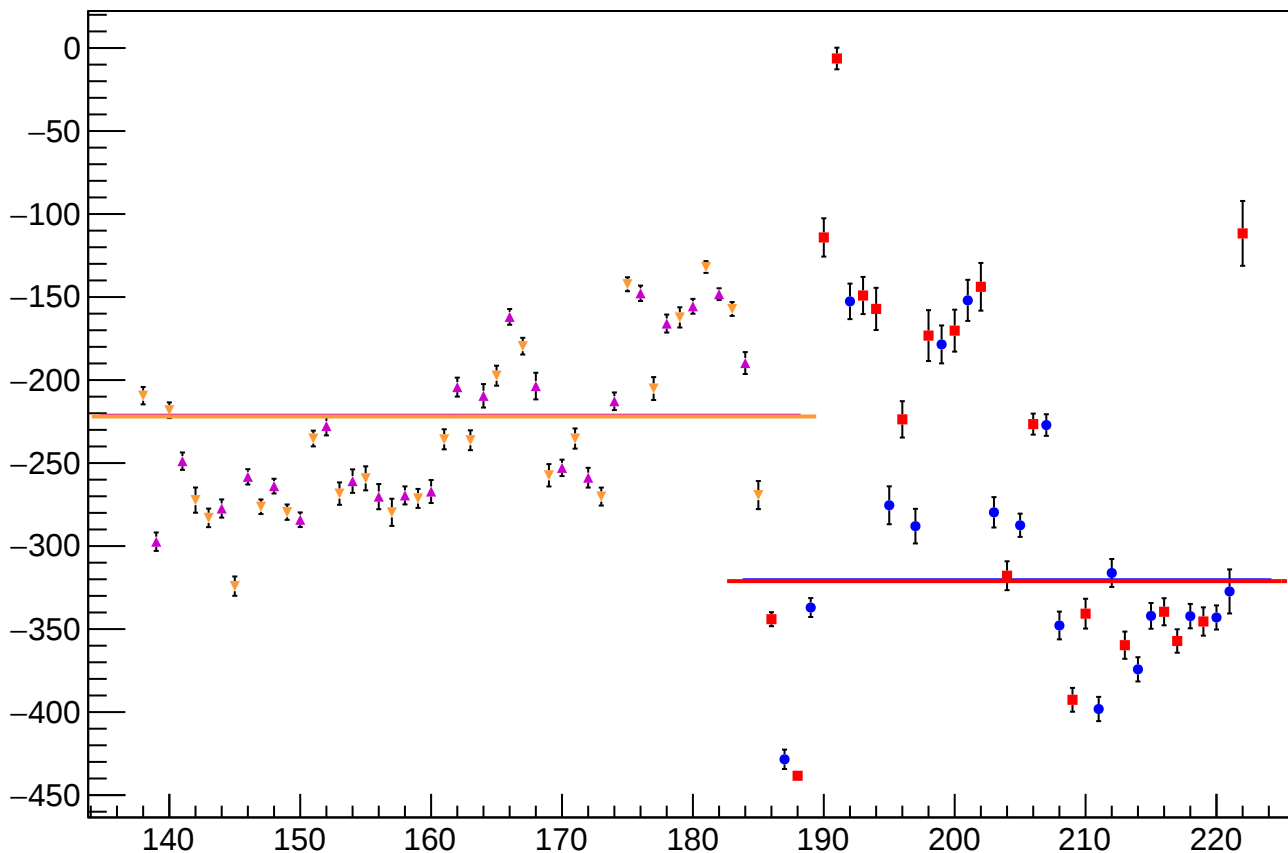
Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

+ sign 118.939 $\pm$ 0.032 χ^2 /NDF: 823726.5/59

All: 117.832 $\pm$ 0.023 χ^2 /NDF: 1744314.6/120

- sign 116.762 $\pm$ 0.032 χ^2 /NDF: 918256.6/60

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -320.617+/-1.884 χ^2/NDF : 1414.8/17

Left Out: -221.934+/-1.084 χ^2/NDF : 2578.4/24

Right Out: -321.111+/-1.644 χ^2/NDF : 5547.9/18

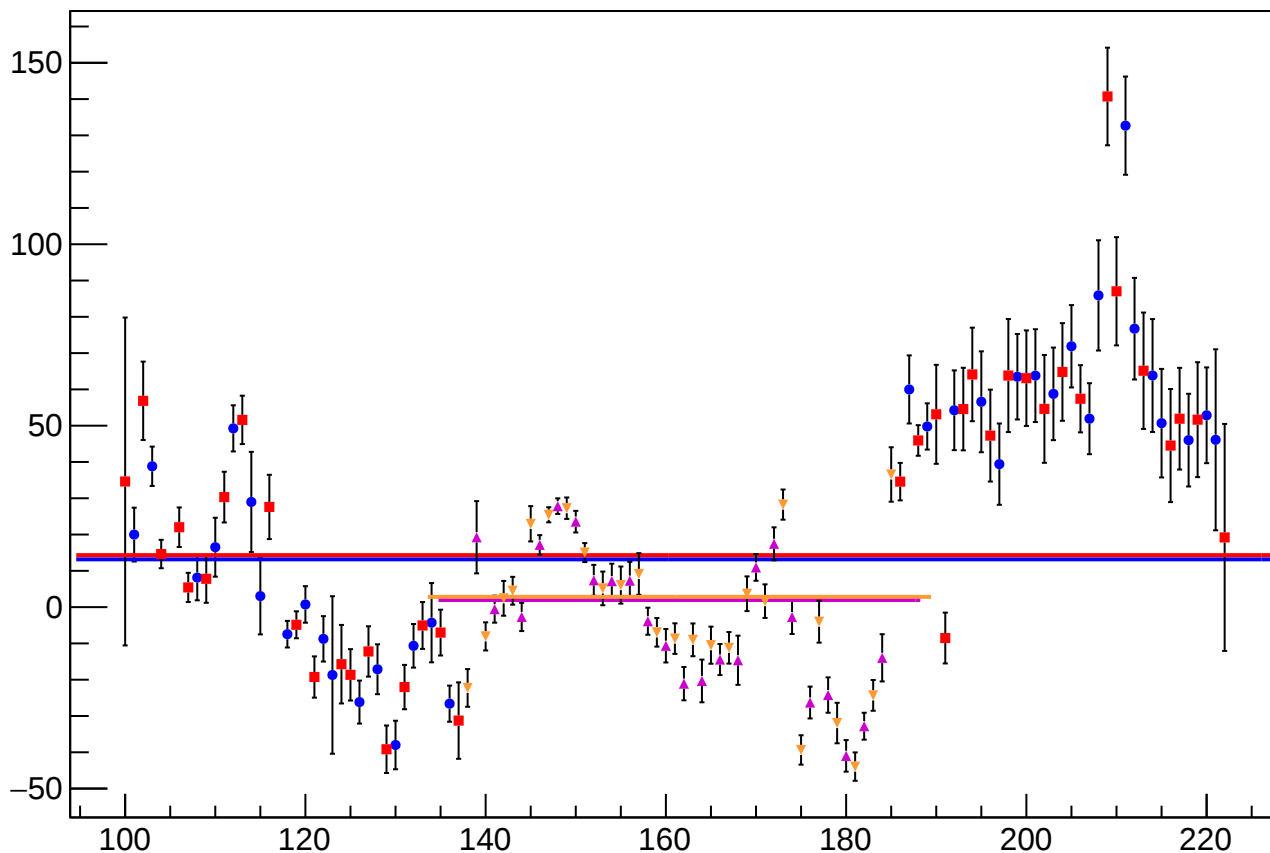
Left In: -221.483+/-1.102 χ^2/NDF : 2149.8/22

+ sign -246.485+/-0.940 χ^2/NDF : 6053.3/42

All: -249.515+/-0.656 χ^2/NDF : 16305.7/84

- sign -252.390+/-0.915 χ^2/NDF : 10232.2/41

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 13.165 ± 1.343 $\chi^2/\text{NDF}: 647.2/34$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 14.323 ± 1.188 $\chi^2/\text{NDF}: 639.4/37$

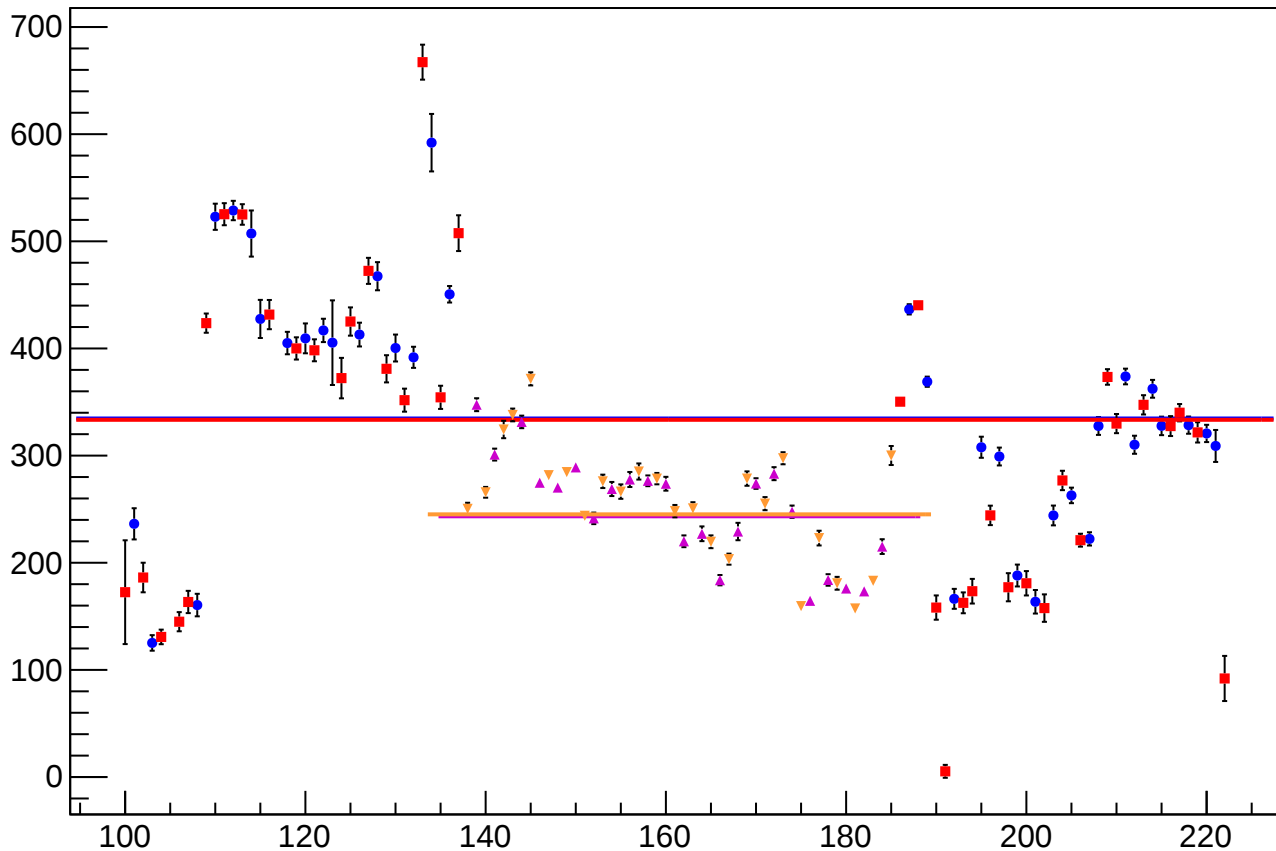
Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

+ sign 5.572 ± 0.692 $\chi^2/\text{NDF}: 1377.5/59$

All: 5.816 ± 0.486 $\chi^2/\text{NDF}: 2678.7/120$

- sign 6.053 ± 0.683 $\chi^2/\text{NDF}: 1300.9/60$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 334.630 ± 1.510 $\chi^2/\text{NDF}: 4492.4/34$

Left Out: 245.179 ± 1.082 $\chi^2/\text{NDF}: 2597.4/24$

Right Out: 333.425 ± 1.272 $\chi^2/\text{NDF}: 10234.2/37$

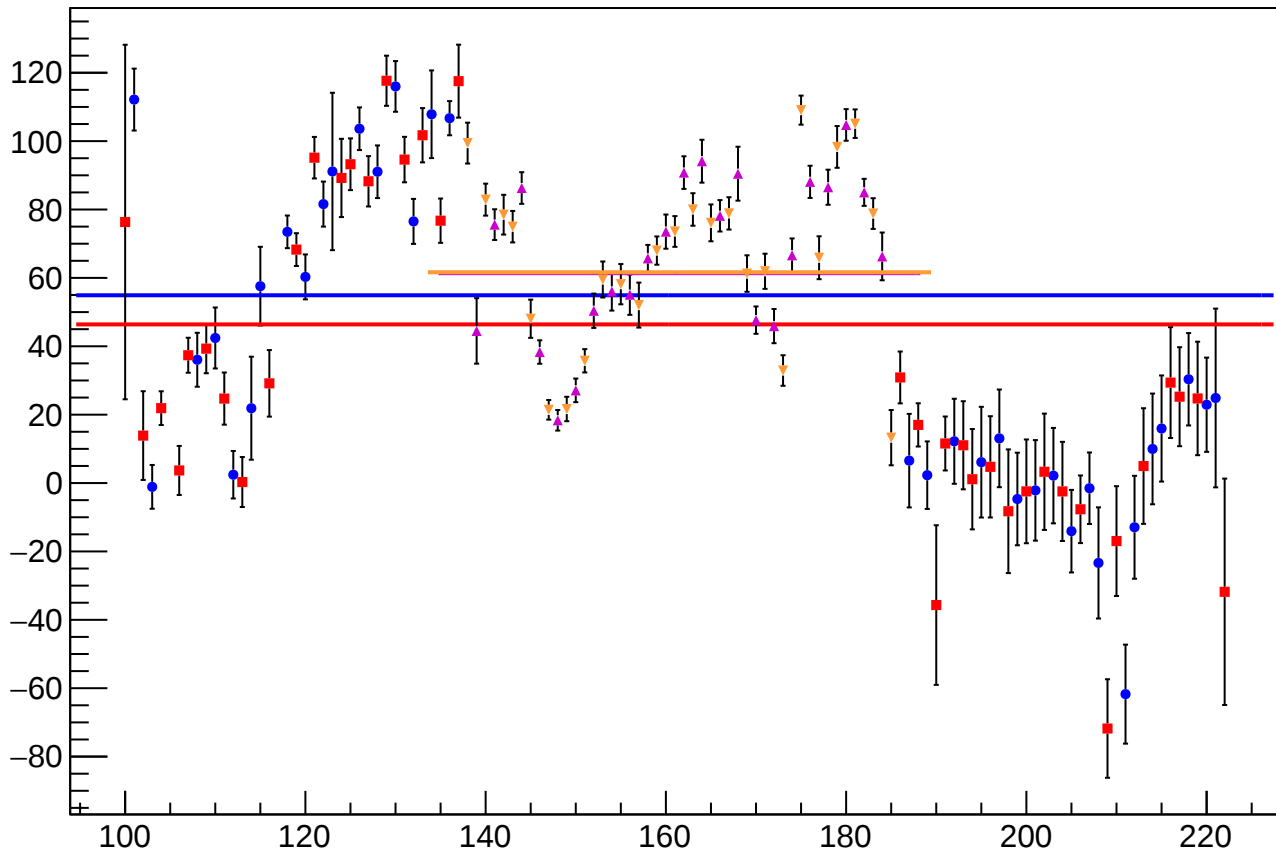
Left In: 243.366 ± 1.094 $\chi^2/\text{NDF}: 2236.7/22$

+ sign 275.517 ± 0.880 $\chi^2/\text{NDF}: 9407.8/59$

All: 278.757 ± 0.603 $\chi^2/\text{NDF}: 24786.0/120$

- sign 281.637 ± 0.829 $\chi^2/\text{NDF}: 15352.7/60$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 54.919 $\pm$ 1.552 χ^2 /NDF: 820.3/34

Left Out: 61.647 $\pm$ 0.936 χ^2 /NDF: 871.5/24

Right Out: 46.399 $\pm$ 1.412 χ^2 /NDF: 803.0/37

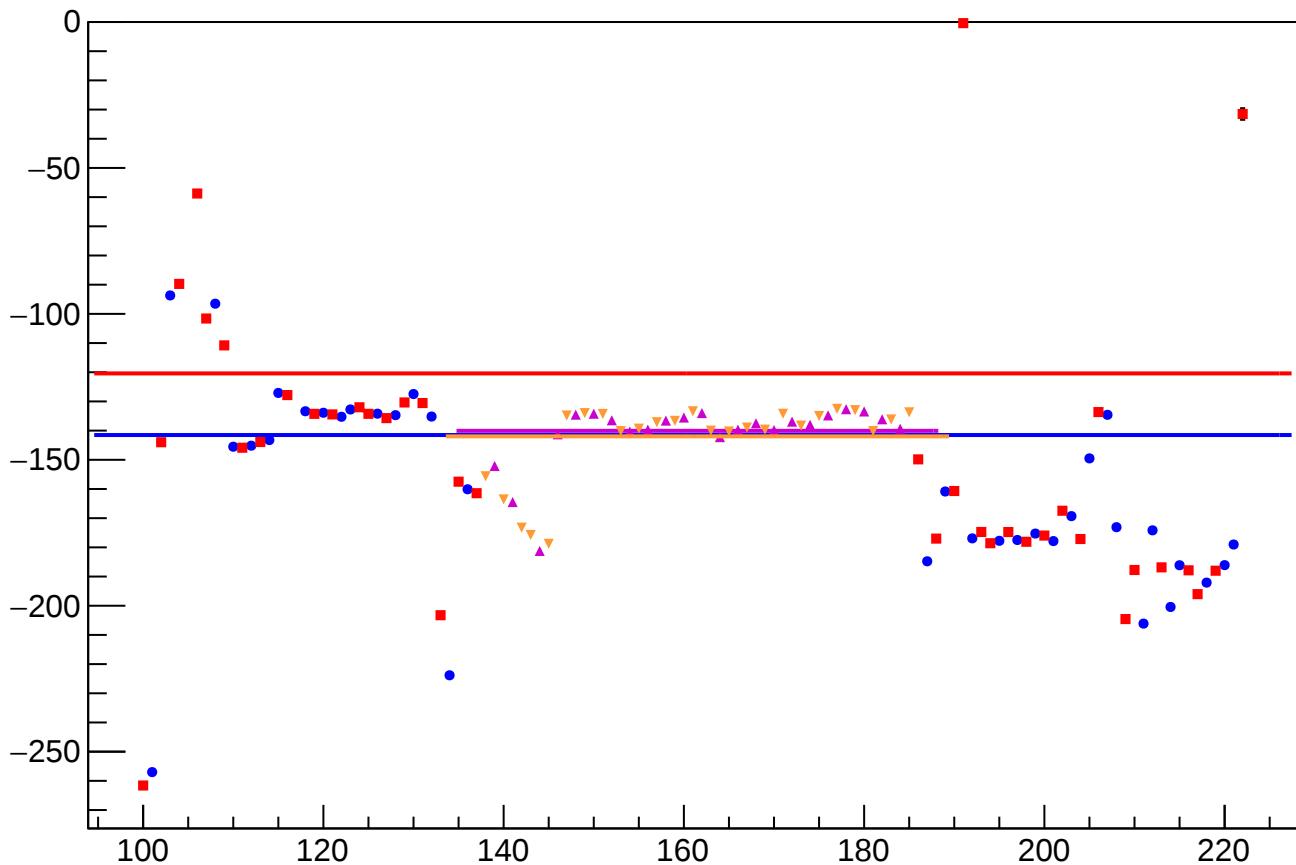
Left In: 61.375 $\pm$ 0.961 χ^2 /NDF: 699.7/22

+ sign 59.853 $\pm$ 0.802 χ^2 /NDF: 1705.6/59

All: 58.229 $\pm$ 0.564 χ^2 /NDF: 3293.3/120

- sign 56.634 $\pm$ 0.795 χ^2 /NDF: 1579.6/60

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -141.511 ± 0.074 $\chi^2/\text{NDF}: 264017.4/34$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -120.397 ± 0.066 $\chi^2/\text{NDF}: 660472.6/37$

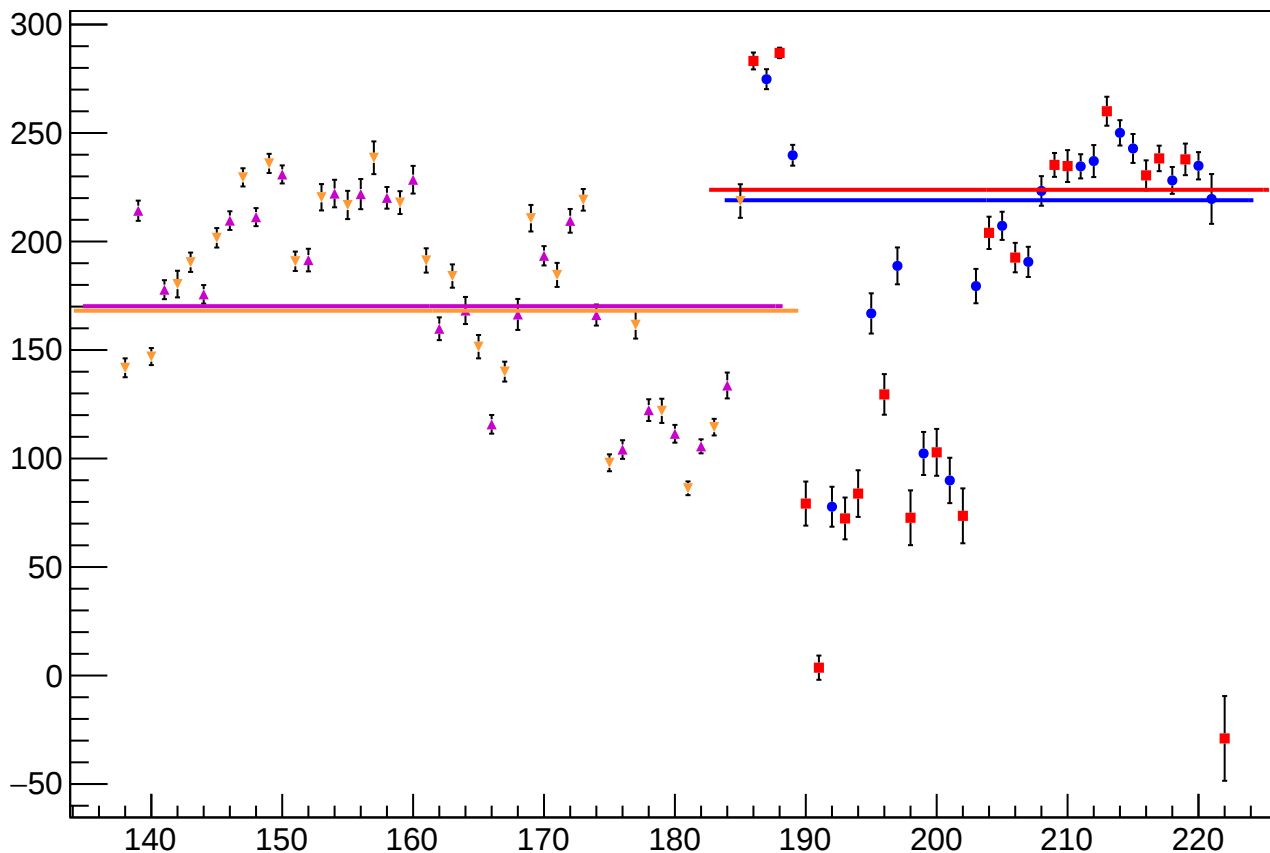
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -141.846 ± 0.038 $\chi^2/\text{NDF}: 344298.1/59$

All: -137.730 ± 0.027 $\chi^2/\text{NDF}: 1135897.5/12$

- sign -133.835 ± 0.037 $\chi^2/\text{NDF}: 769045.9/60$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 219.014 $\pm$ 1.600 χ^2 /NDF: 844.7/17

Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF: 2468.8/24

Right Out: 223.825 $\pm$ 1.391 χ^2 /NDF: 3846.8/18

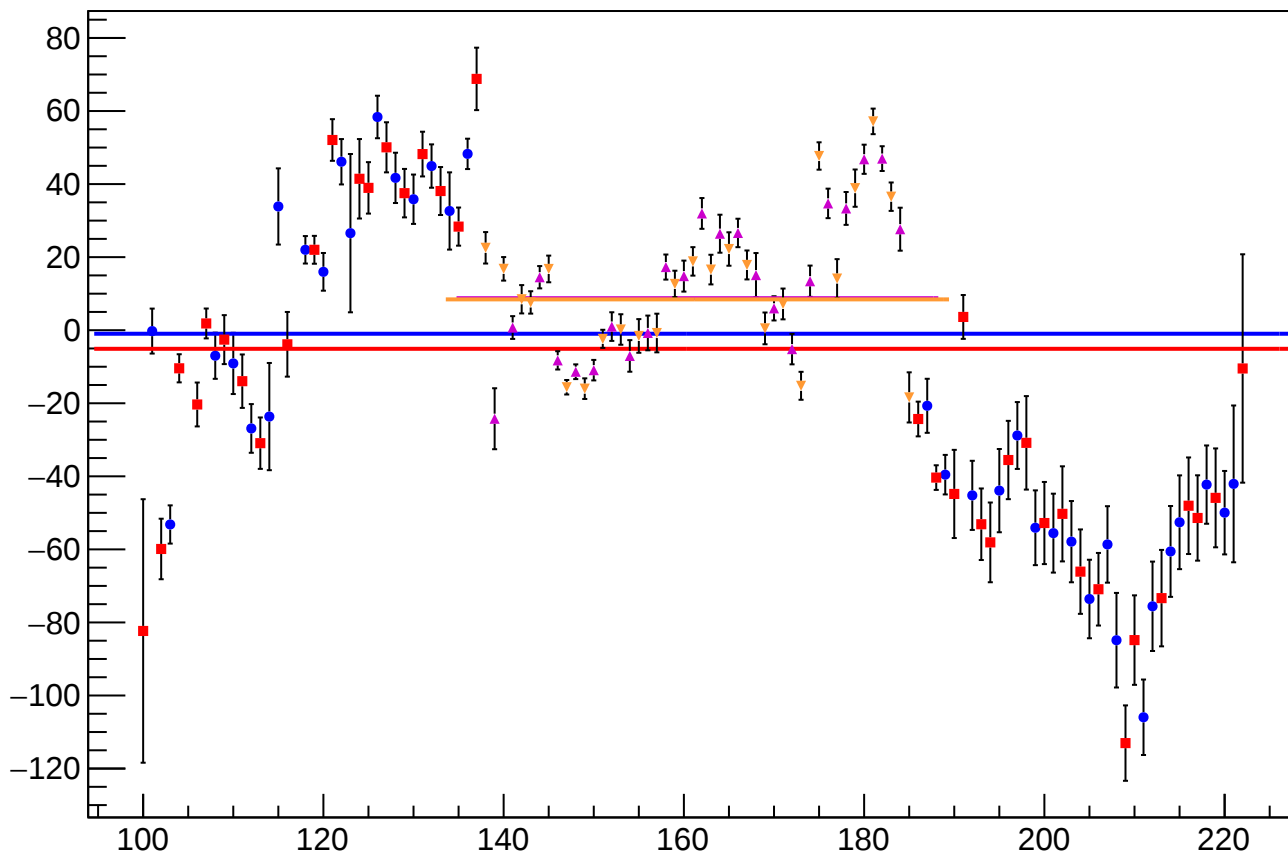
Left In: 170.198 $\pm$ 0.995 χ^2 /NDF: 2024.5/22

+ sign 181.788 $\pm$ 0.830 χ^2 /NDF: 4053.4/42

All: 185.157 $\pm$ 0.579 χ^2 /NDF: 10940.1/84

- sign 188.363 $\pm$ 0.809 χ^2 /NDF: 6854.5/41

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -0.969 ± 1.267 χ^2/NDF : 1136.2/34

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: -5.093 ± 1.125 χ^2/NDF : 1138.1/37

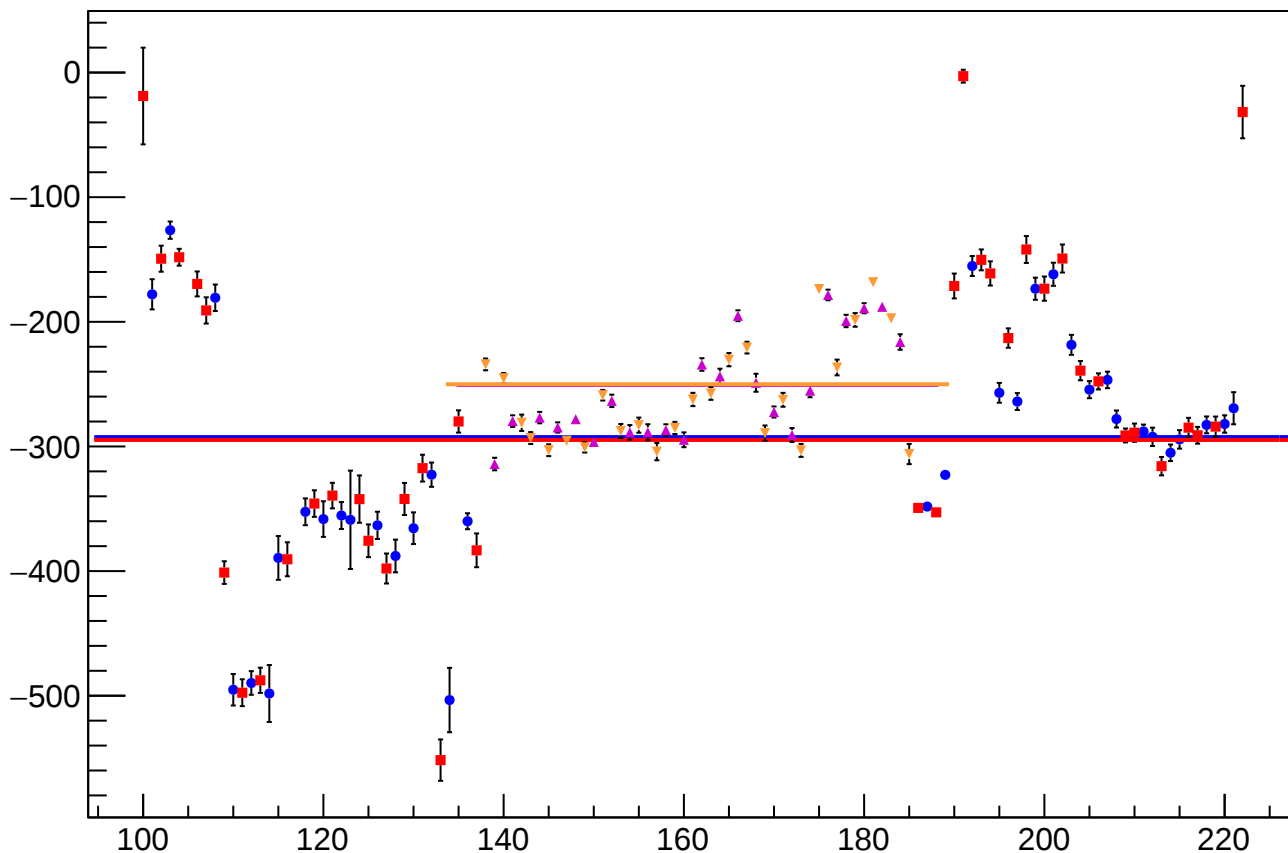
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 6.102 ± 0.631 χ^2/NDF : 1929.6/59

All: 5.267 ± 0.445 χ^2/NDF : 3802.4/120

- sign 4.439 ± 0.629 χ^2/NDF : 1869.3/60

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -292.496 ± 1.324 χ^2/NDF : 3143.3/34

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -294.765 ± 1.111 χ^2/NDF : 8279.8/37

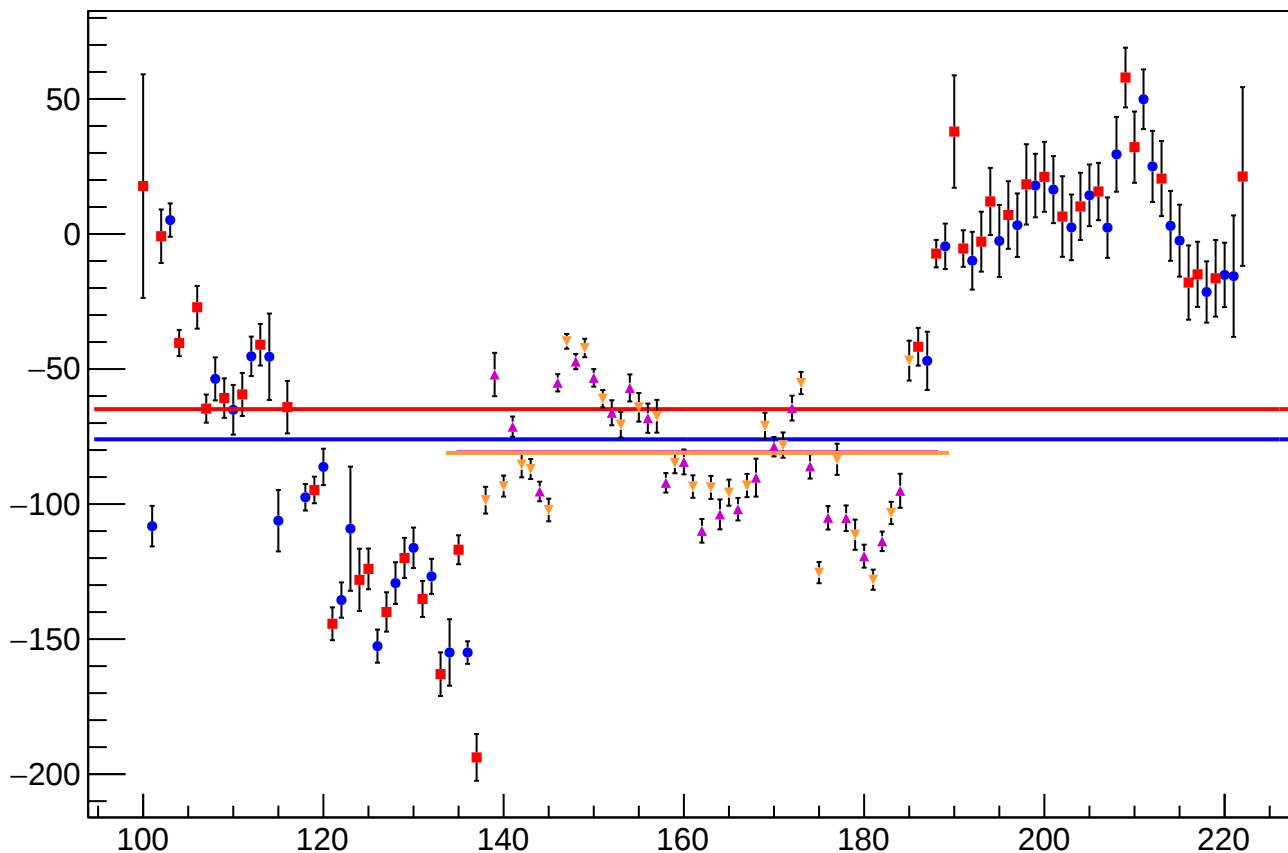
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.959 ± 0.784 χ^2/NDF : 6055.5/59

All: -267.712 ± 0.538 χ^2/NDF : 17174.8/120

- sign -270.163 ± 0.739 χ^2/NDF : 11096.0/60

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -76.024 ± 1.462 $\chi^2/\text{NDF}: 1864.4/34$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -64.847 ± 1.341 $\chi^2/\text{NDF}: 1938.6/37$

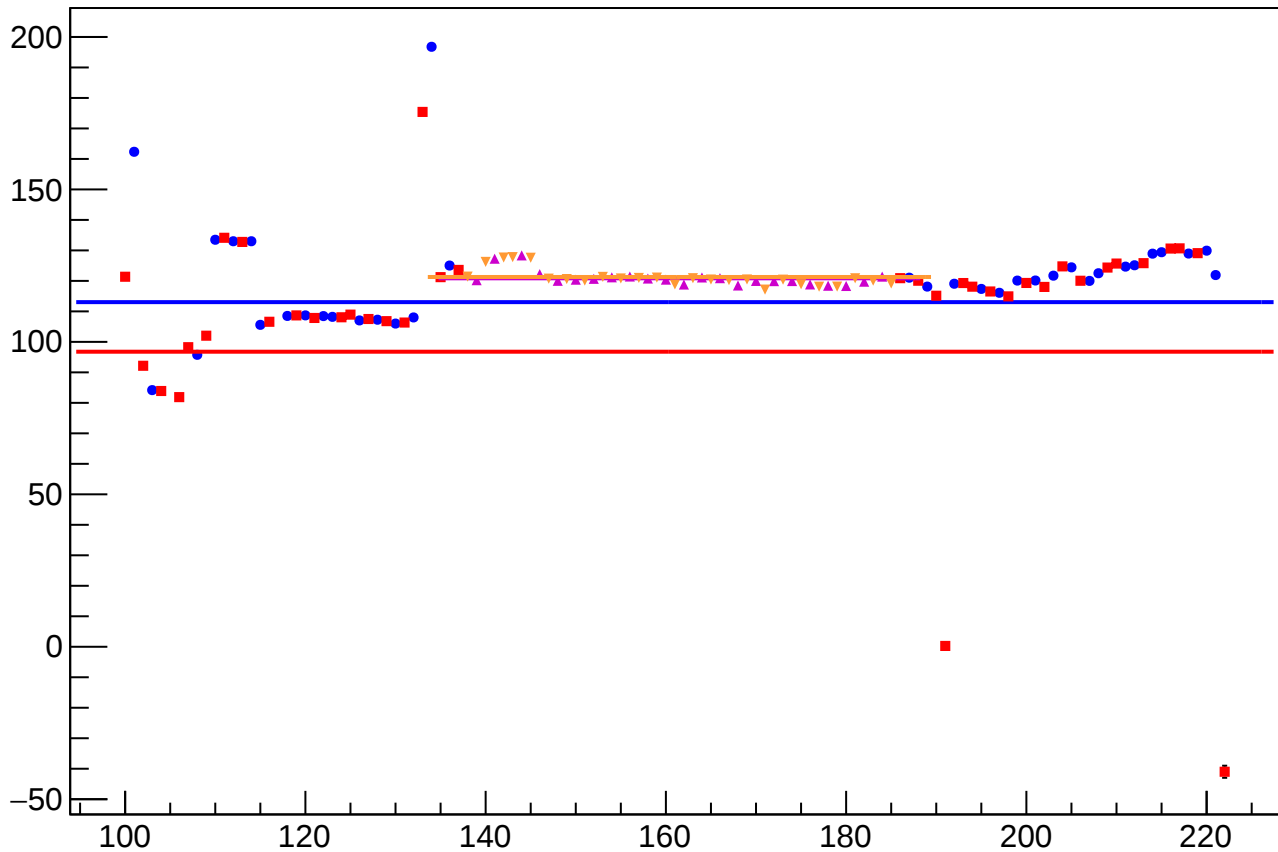
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -79.801 ± 0.730 $\chi^2/\text{NDF}: 2786.4/59$

All: -77.943 ± 0.517 $\chi^2/\text{NDF}: 5531.0/120$

- sign -76.082 ± 0.731 $\chi^2/\text{NDF}: 2731.7/60$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 113.034 $\pm$ 0.068 χ^2 /NDF: 82339.7/34

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 96.776 $\pm$ 0.061 χ^2 /NDF: 381271.1/37

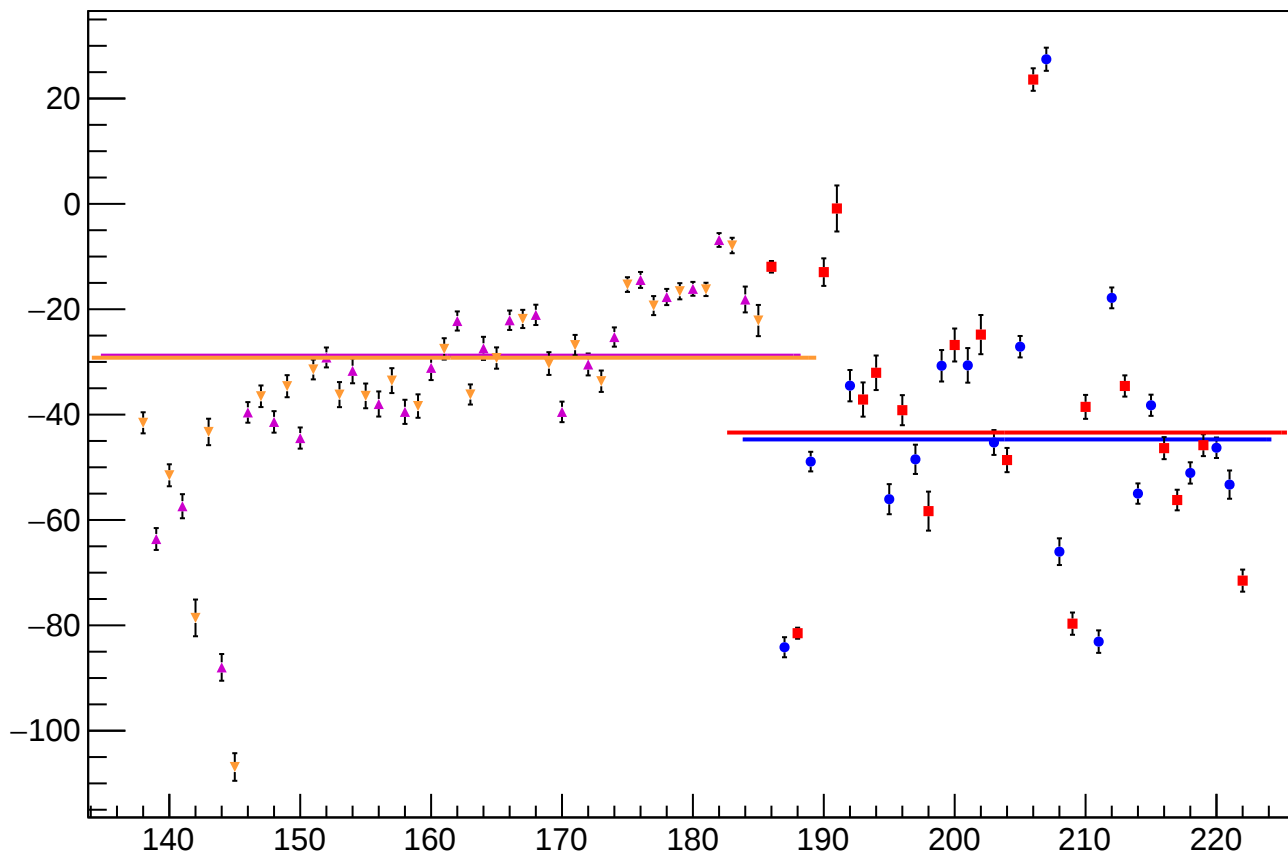
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 119.155 $\pm$ 0.035 χ^2 /NDF: 98193.9/59

All: 116.220 $\pm$ 0.024 χ^2 /NDF: 605049.3/120

- sign 113.407 $\pm$ 0.034 χ^2 /NDF: 492719.1/60

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -44.712 ± 0.530 χ^2/NDF : 2295.3/17

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -43.404 ± 0.471 χ^2/NDF : 3989.0/18

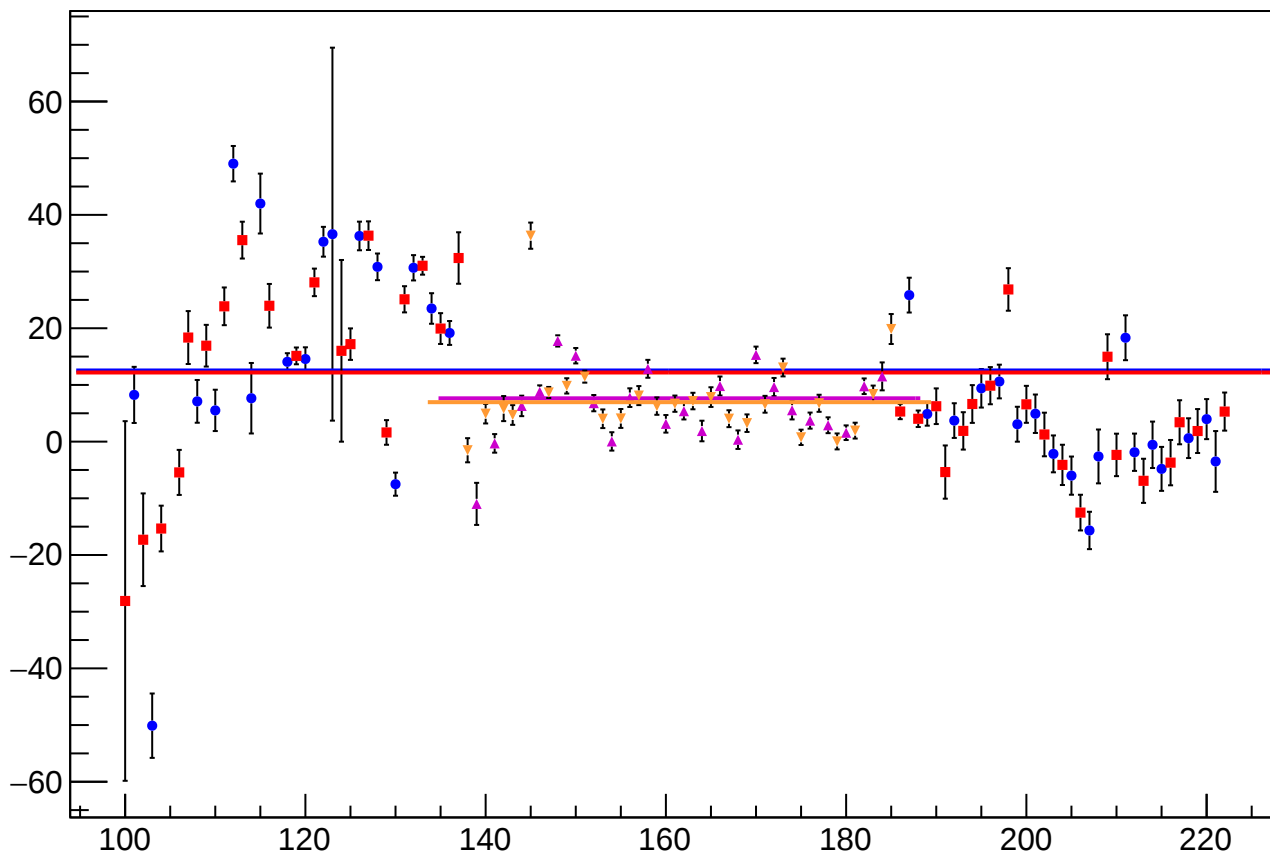
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -34.621 ± 0.313 χ^2/NDF : 4733.9/42

All: -34.738 ± 0.218 χ^2/NDF : 11050.9/84

- sign -34.848 ± 0.303 χ^2/NDF : 6316.7/41

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.549 $\pm$ 0.502 χ^2 /NDF: 980.2/34

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF:321.3/24

Right Out: 12.195 $\pm$ 0.458 χ^2 /NDF: 794.6/37

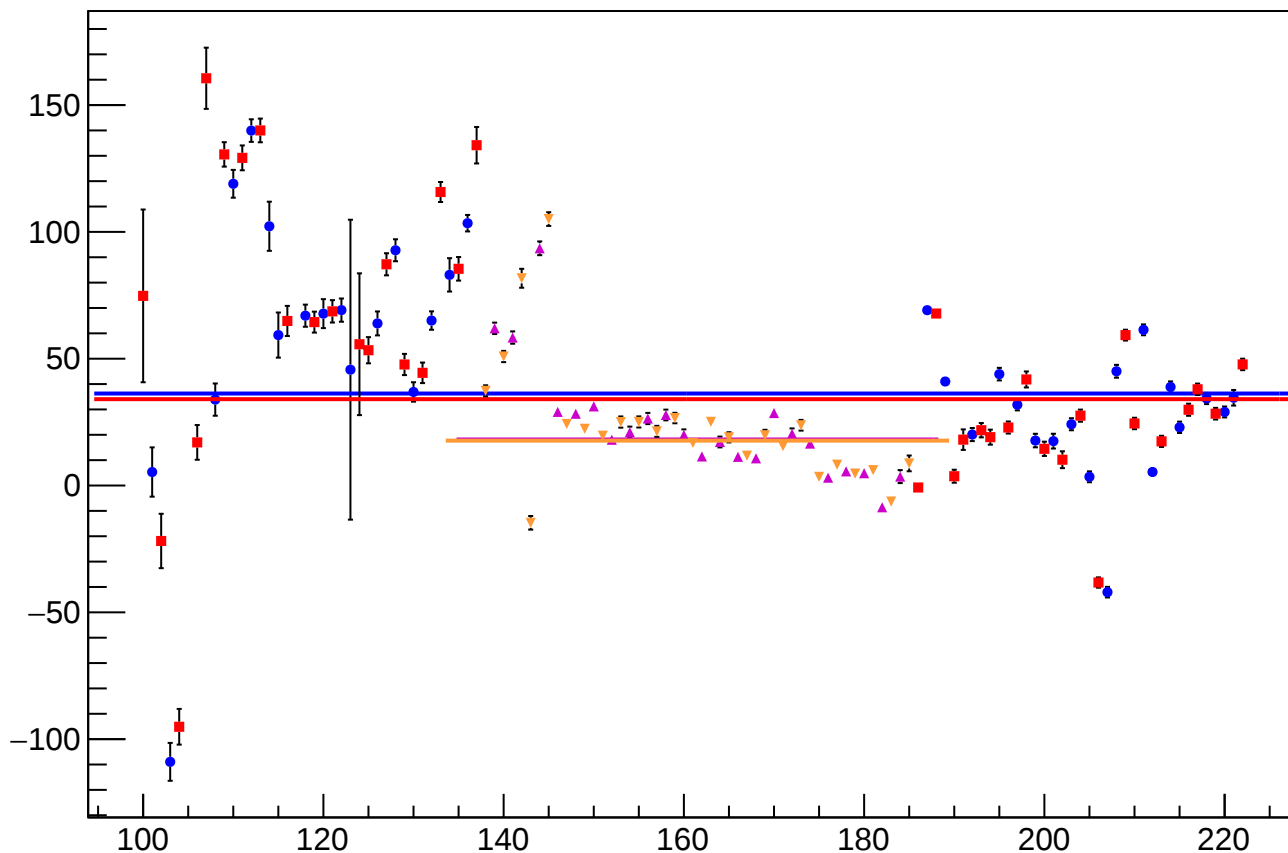
Left In: 7.638 $\pm$ 0.313 χ^2 /NDF:337.7/22

+ sign 8.454 $\pm$ 0.259 χ^2 /NDF: 1392.5/59

All: 8.773 $\pm$ 0.183 χ^2 /NDF: 2595.2/120

- sign 9.090 $\pm$ 0.259 χ^2 /NDF: 1199.7/60

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 36.271 ± 0.476 $\chi^2/\text{NDF}: 4787.9/34$

Left Out: 17.705 ± 0.387 $\chi^2/\text{NDF}: 2432.2/24$

Right Out: 34.046 ± 0.405 $\chi^2/\text{NDF}: 7874.8/37$

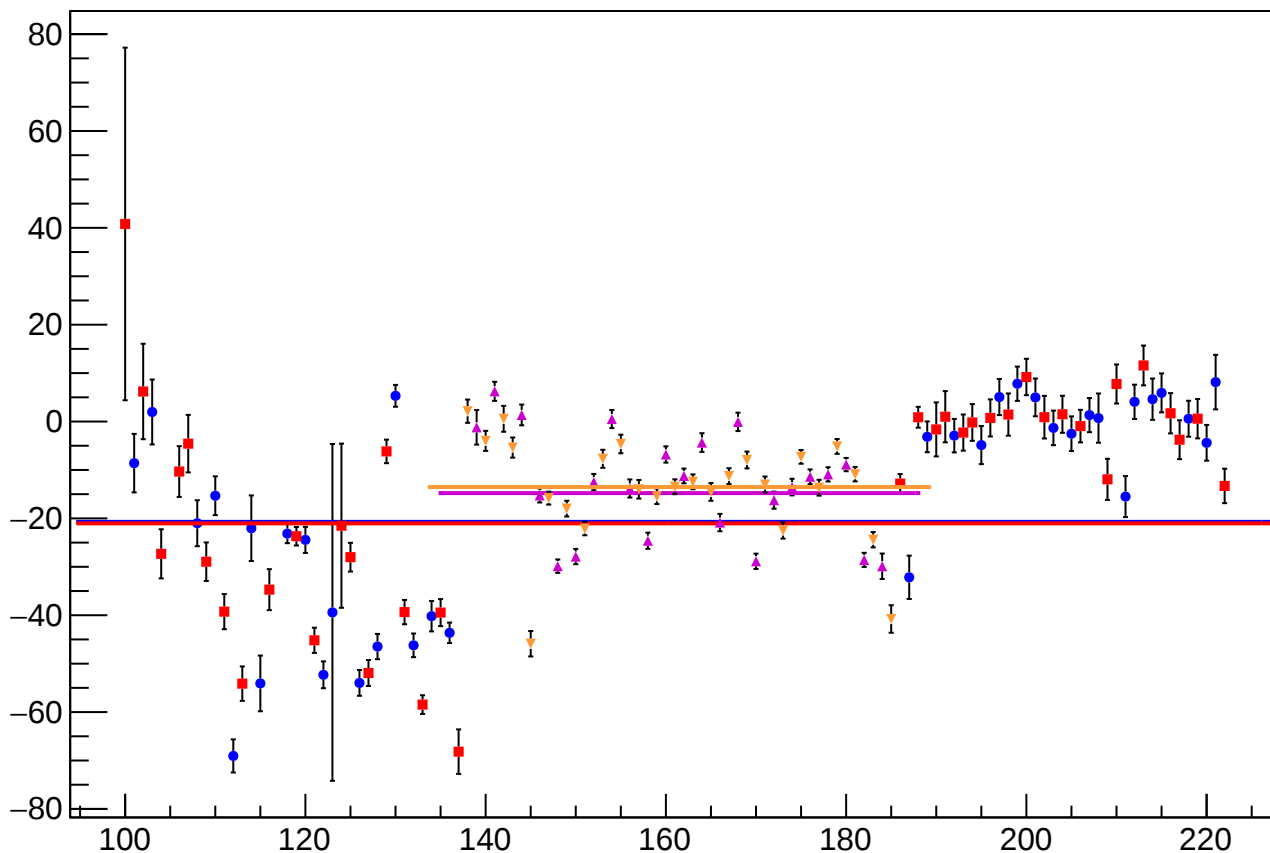
Left In: 18.150 ± 0.393 $\chi^2/\text{NDF}: 2339.4/22$

+ sign 25.103 ± 0.300 $\chi^2/\text{NDF}: 8136.1/59$

All: 25.505 ± 0.205 $\chi^2/\text{NDF}: 19148.6/120$

- sign 25.858 ± 0.282 $\chi^2/\text{NDF}: 11009.2/60$

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -20.719 ± 0.576 χ^2/NDF : 1593.3/34

Left Out: -13.531 ± 0.344 χ^2/NDF : 572.8/24

Right Out: -21.030 ± 0.546 χ^2/NDF : 1616.8/37

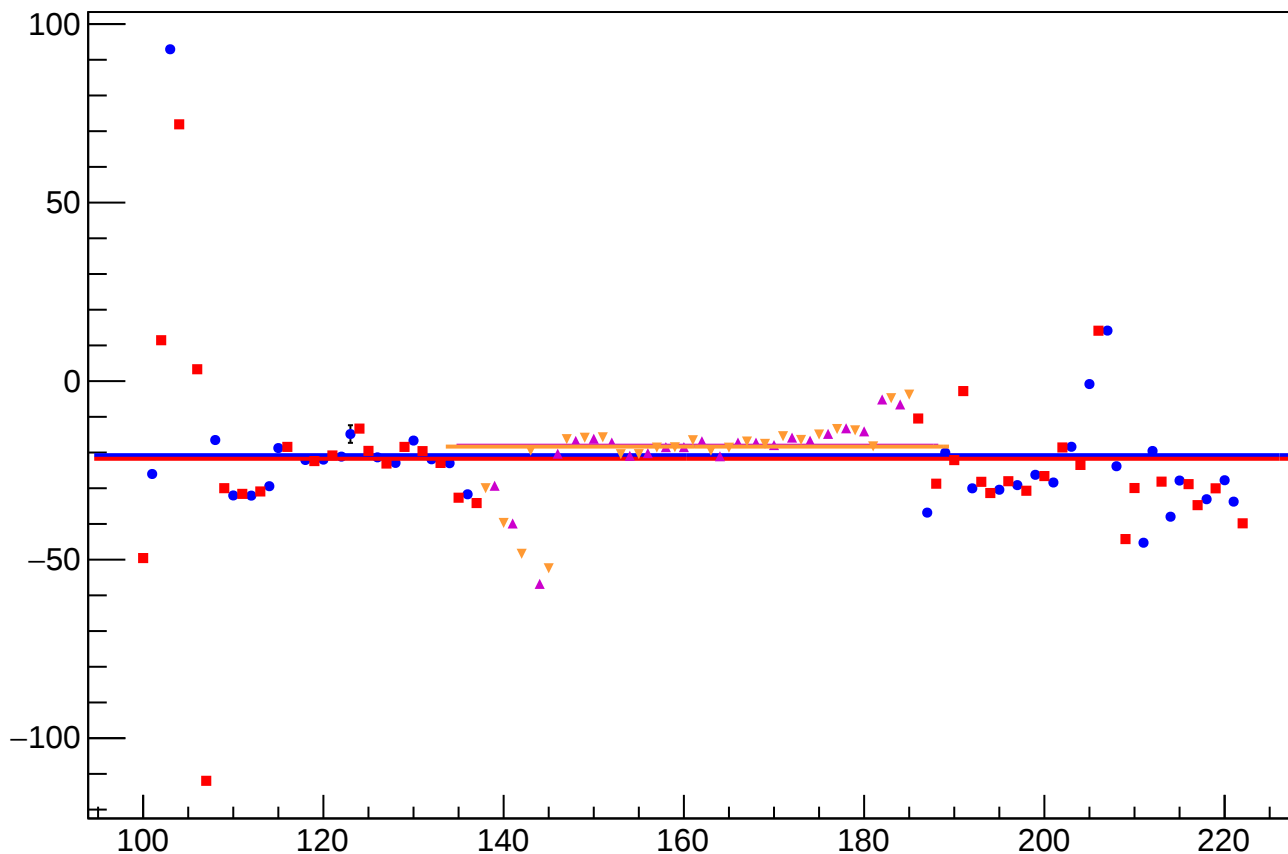
Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

+ sign -15.422 ± 0.295 χ^2/NDF : 2280.9/59

All: -16.022 ± 0.209 χ^2/NDF : 4836.3/120

- sign -16.629 ± 0.297 χ^2/NDF : 2547.1/60

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.738 ± 0.028 χ^2/NDF : 625436.9/34

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -21.747 ± 0.027 χ^2/NDF : 592122.7/37

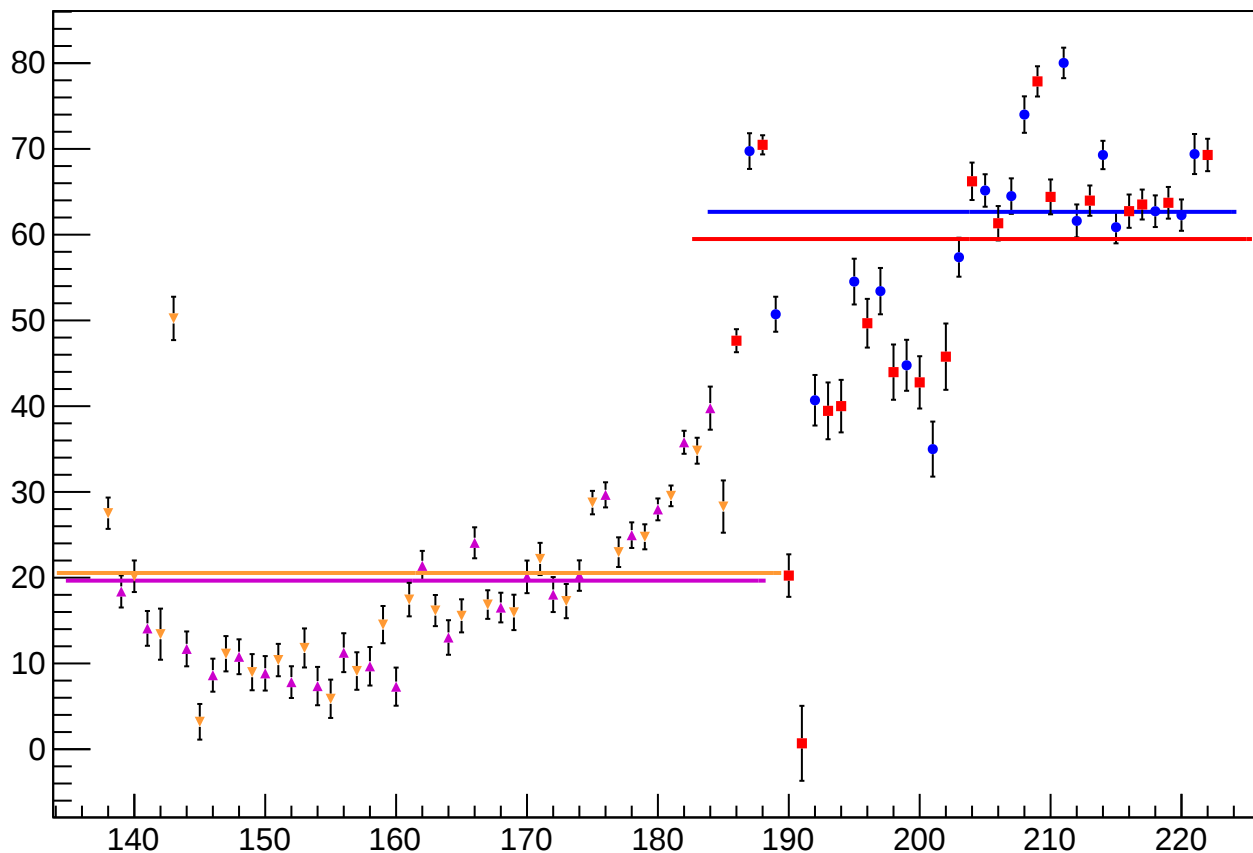
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.923 ± 0.014 χ^2/NDF : 915227.4/59

All: -18.988 ± 0.010 χ^2/NDF : 1763077.1/120

- sign -19.053 ± 0.014 χ^2/NDF : 847804.8/60

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 62.661 $\pm$ 0.499 χ^2 /NDF: 390.3/17

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 59.491 $\pm$ 0.463 χ^2 /NDF: 932.4/18

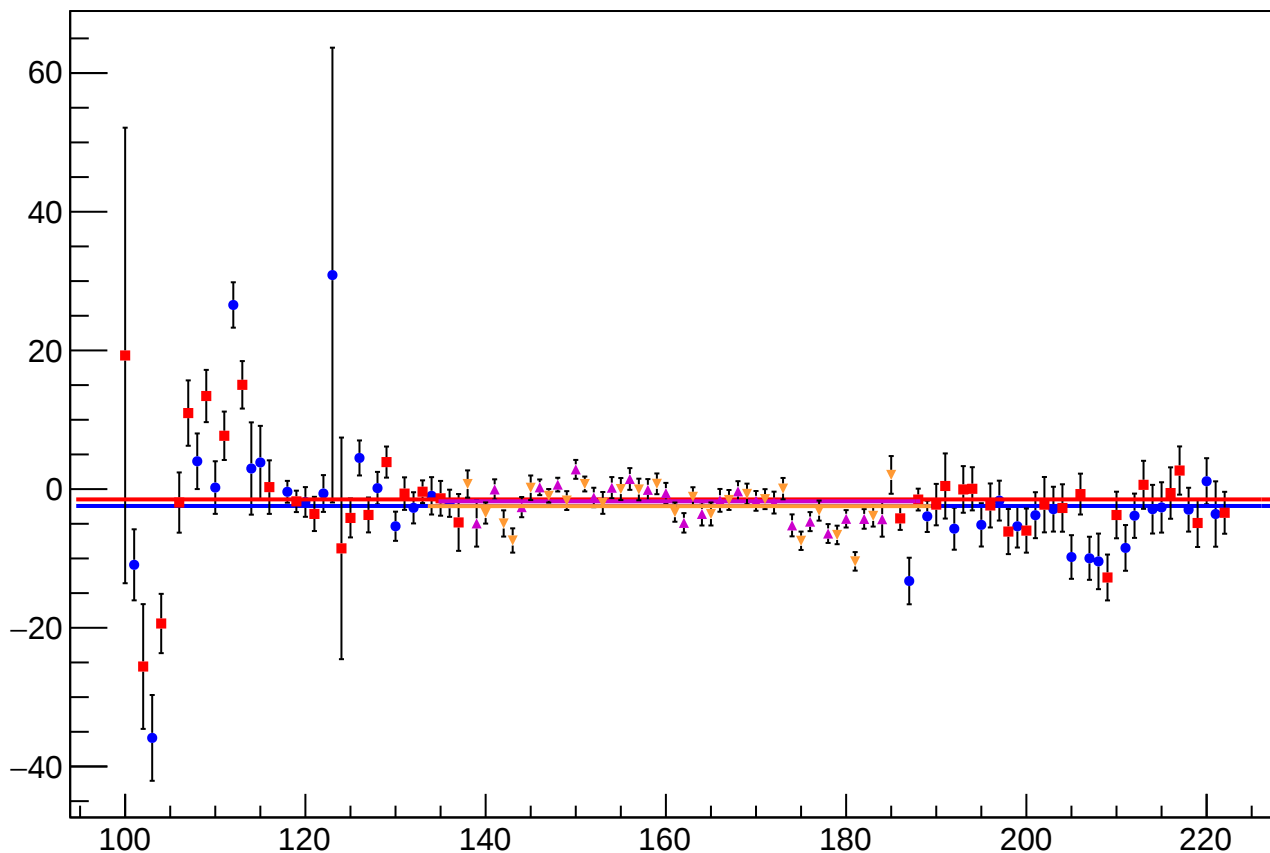
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 35.639 $\pm$ 0.299 χ^2 /NDF: 5582.1/42

All: 35.681 $\pm$ 0.210 χ^2 /NDF: 11508.8/84

- sign 35.721 $\pm$ 0.294 χ^2 /NDF: 5926.7/41

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.432 ± 0.498 χ^2/NDF : 163.9/34

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.484 ± 0.466 χ^2/NDF : 110.8/37

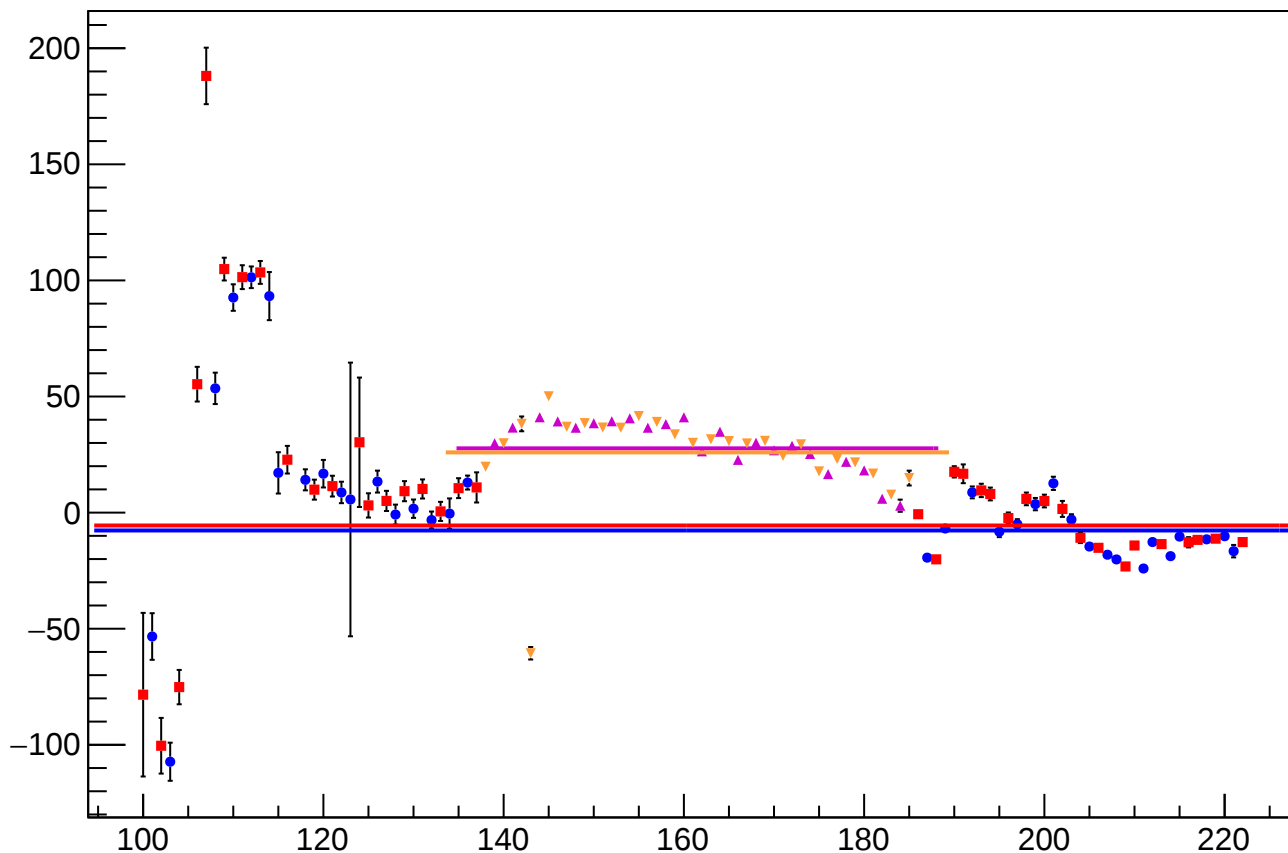
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.449 ± 0.252 χ^2/NDF : 269.9/59

All: -2.065 ± 0.179 χ^2/NDF : 453.0/120

- sign -1.677 ± 0.254 χ^2/NDF : 178.5/60

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -7.686 ± 0.458 χ^2/NDF : 1719.2/34

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -5.544 ± 0.409 χ^2/NDF : 2709.0/37

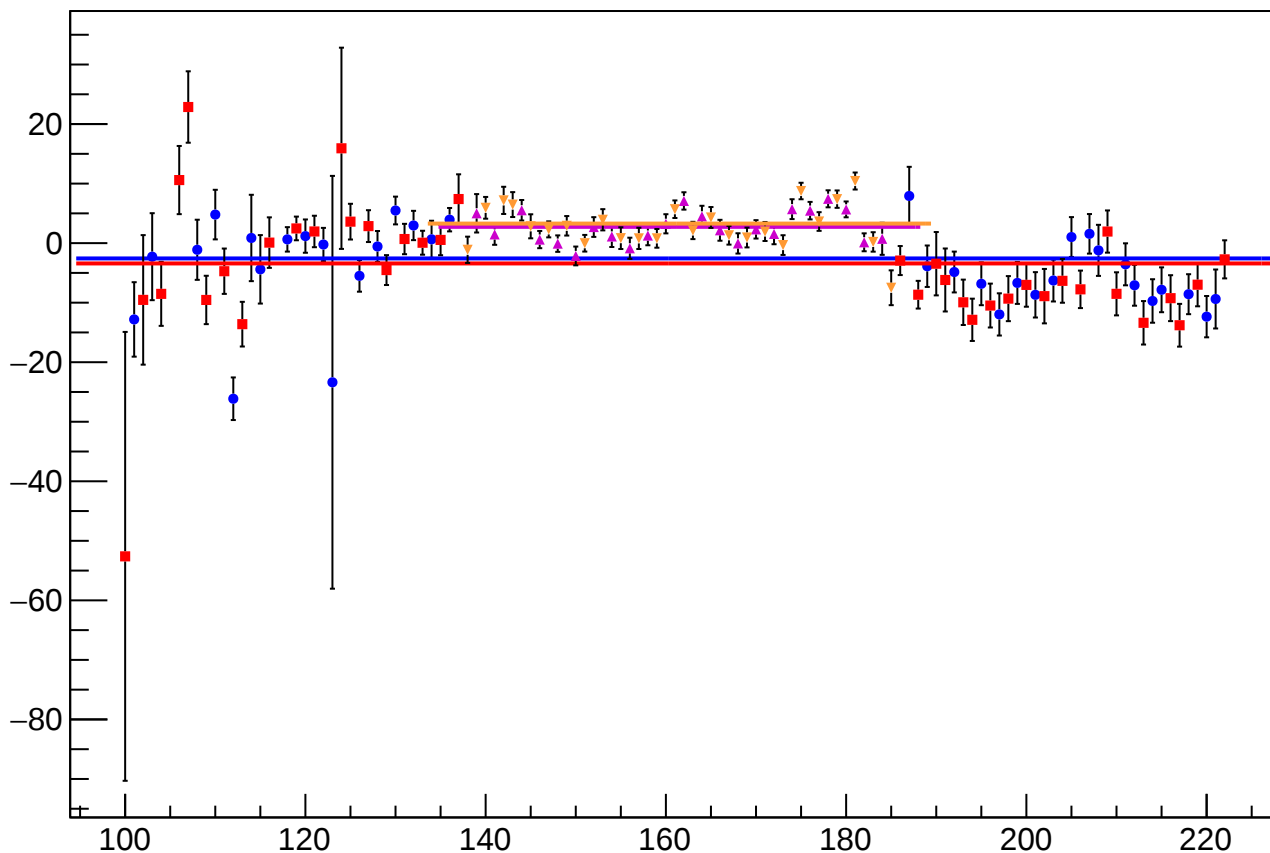
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 12.571 ± 0.289 χ^2/NDF : 6672.7/59

All: 12.470 ± 0.200 χ^2/NDF : 13739.1/120

- sign 12.376 ± 0.278 χ^2/NDF : 7066.1/60

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -2.571 ± 0.566 χ^2/NDF : 127.8/34

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -3.410 ± 0.547 χ^2/NDF : 128.6/37

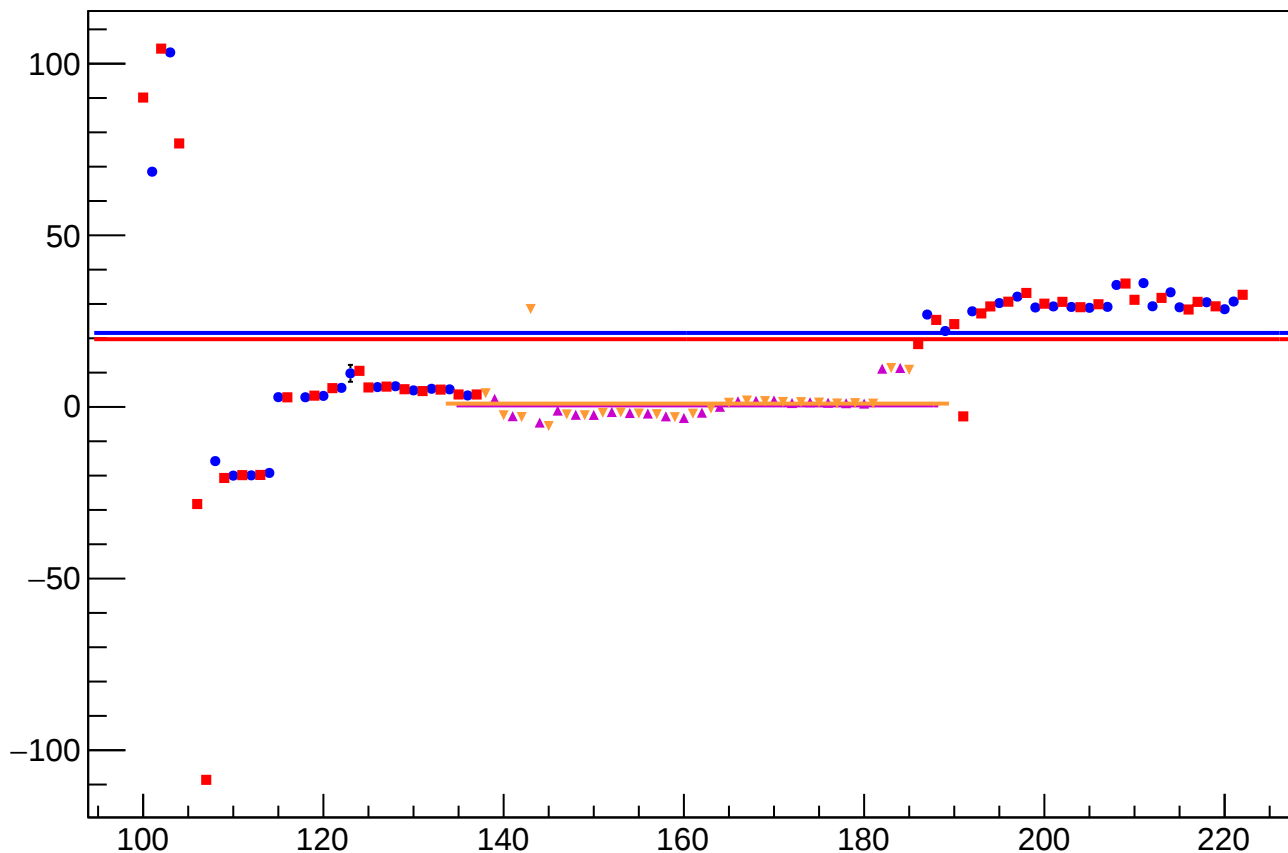
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 1.790 ± 0.286 χ^2/NDF : 309.6/59

All: 1.408 ± 0.203 χ^2/NDF : 597.2/120

- sign 1.017 ± 0.289 χ^2/NDF : 284.0/60

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.562 $\pm$ 0.027 χ^2 /NDF: 518447.1/34

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 19.739 $\pm$ 0.026 χ^2 /NDF: 756596.0/37

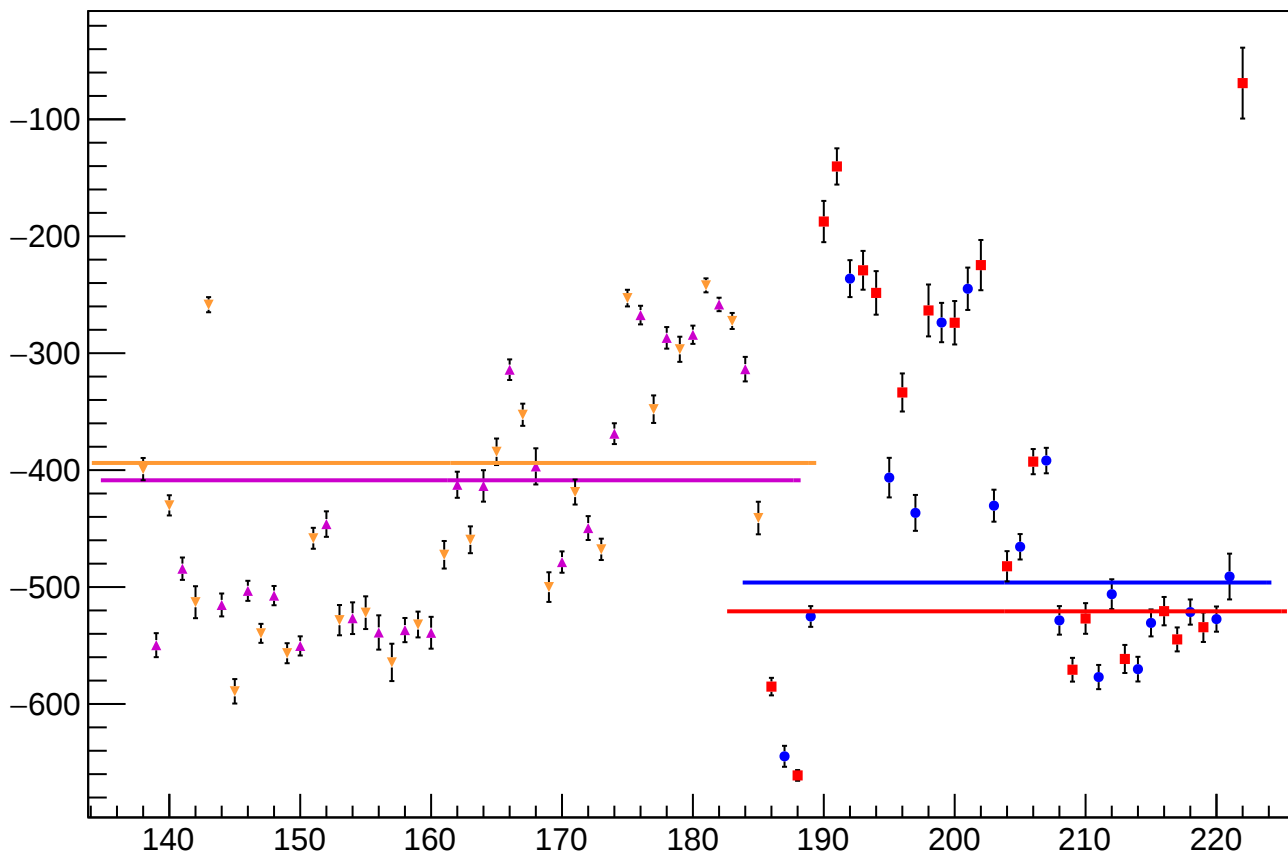
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 5.915 $\pm$ 0.013 χ^2 /NDF: 1076053.5/59

All: 5.652 $\pm$ 0.009 χ^2 /NDF: 2283970.4/120

- sign 5.387 $\pm$ 0.013 χ^2 /NDF: 1207128.6/60

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -496.130+/-2.837 χ^2/NDF : 1230.3/17

Left Out: -393.871+/-1.897 χ^2/NDF : 3772.8/24

Right Out: -520.759+/-2.576 χ^2/NDF : 3537.2/18

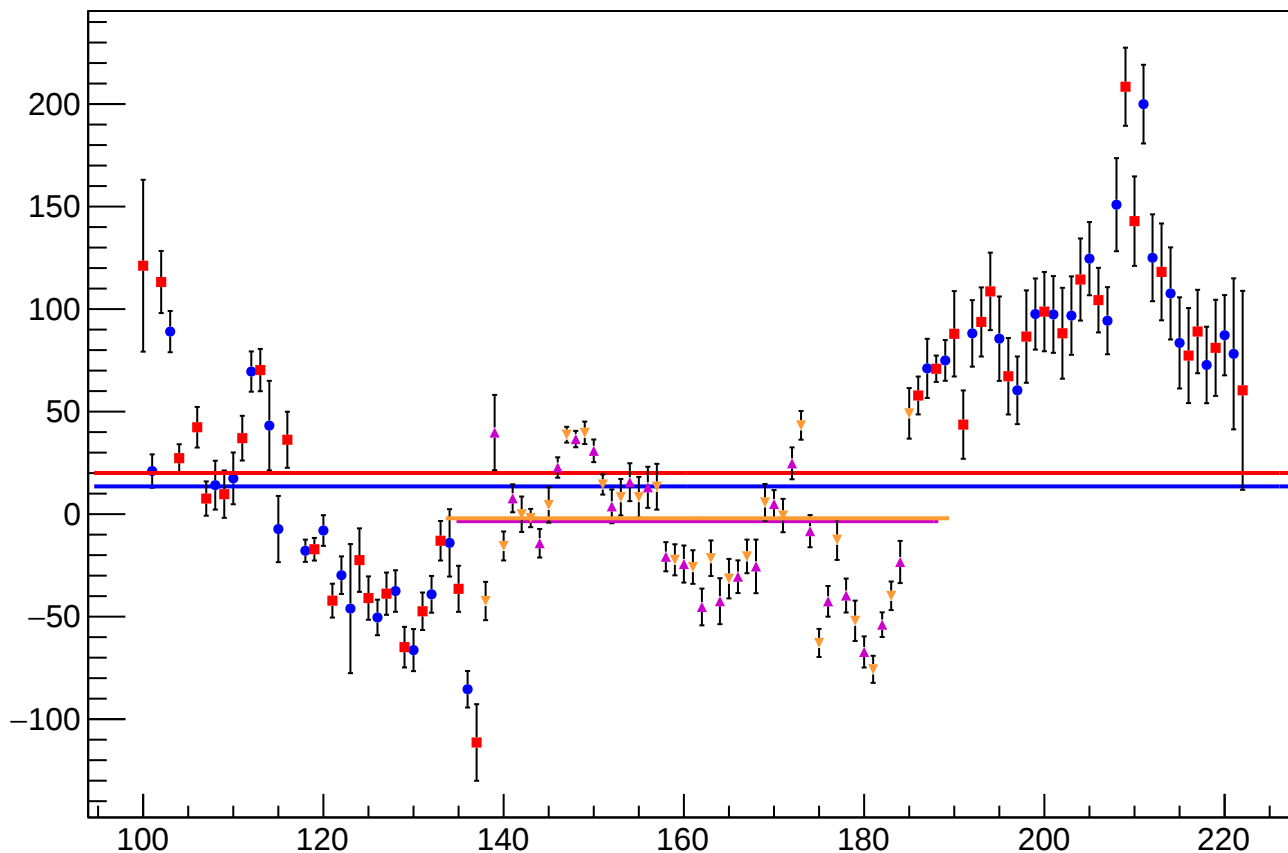
Left In: -408.696+/-1.979 χ^2/NDF : 3062.9/22

+ sign -425.466+/-1.577 χ^2/NDF : 5900.9/42

All: -437.933+/-1.112 χ^2/NDF : 13815.2/84

- sign -450.281+/-1.569 χ^2/NDF : 7790.0/41

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.520 ± 2.049 $\chi^2/\text{NDF}: 896.9/34$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 20.063 ± 1.914 $\chi^2/\text{NDF}: 867.3/37$

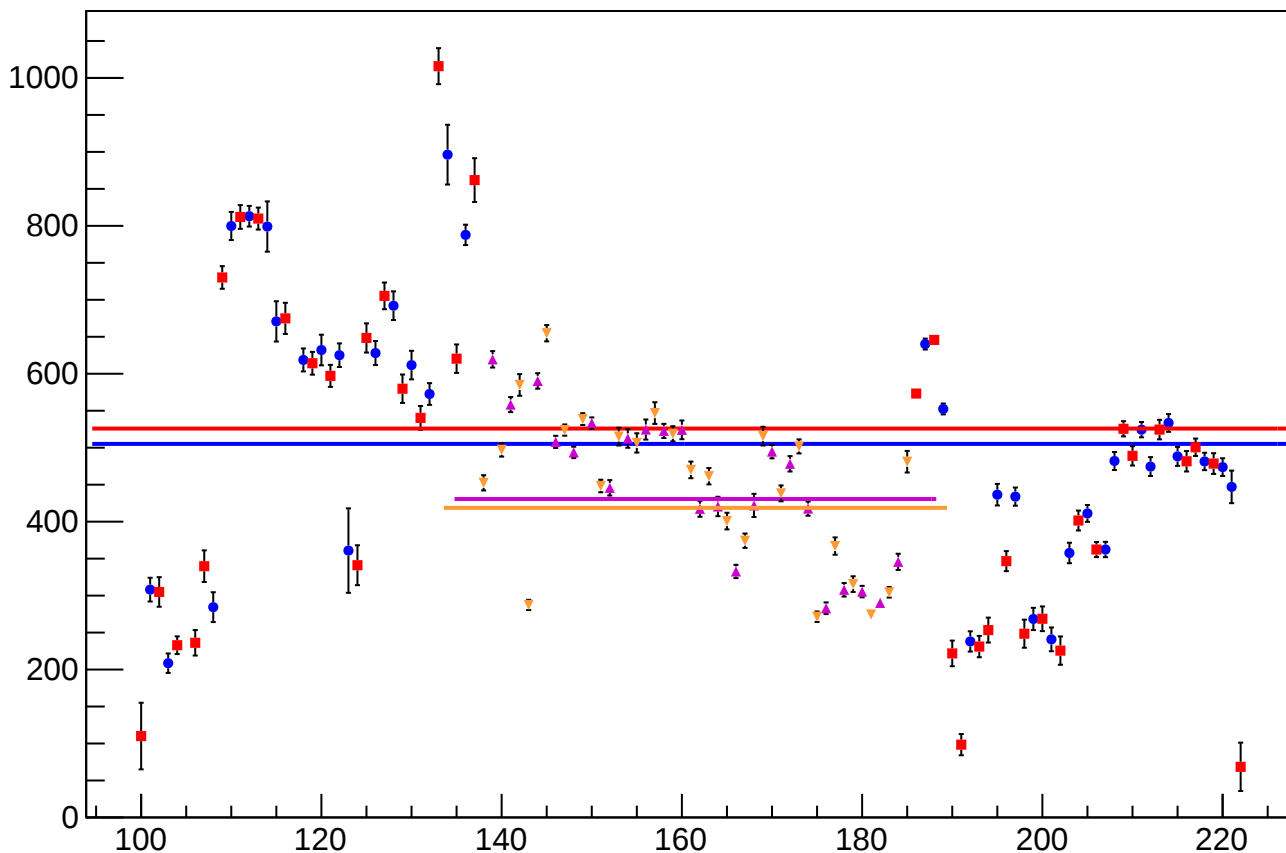
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign 3.032 ± 1.169 $\chi^2/\text{NDF}: 1499.6/59$

All: 4.324 ± 0.834 $\chi^2/\text{NDF}: 2912.7/120$

- sign 5.662 ± 1.190 $\chi^2/\text{NDF}: 1410.6/60$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 505.152 ± 2.307 $\chi^2/\text{NDF}: 4223.9/34$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 525.884 ± 2.019 $\chi^2/\text{NDF}: 7315.5/37$

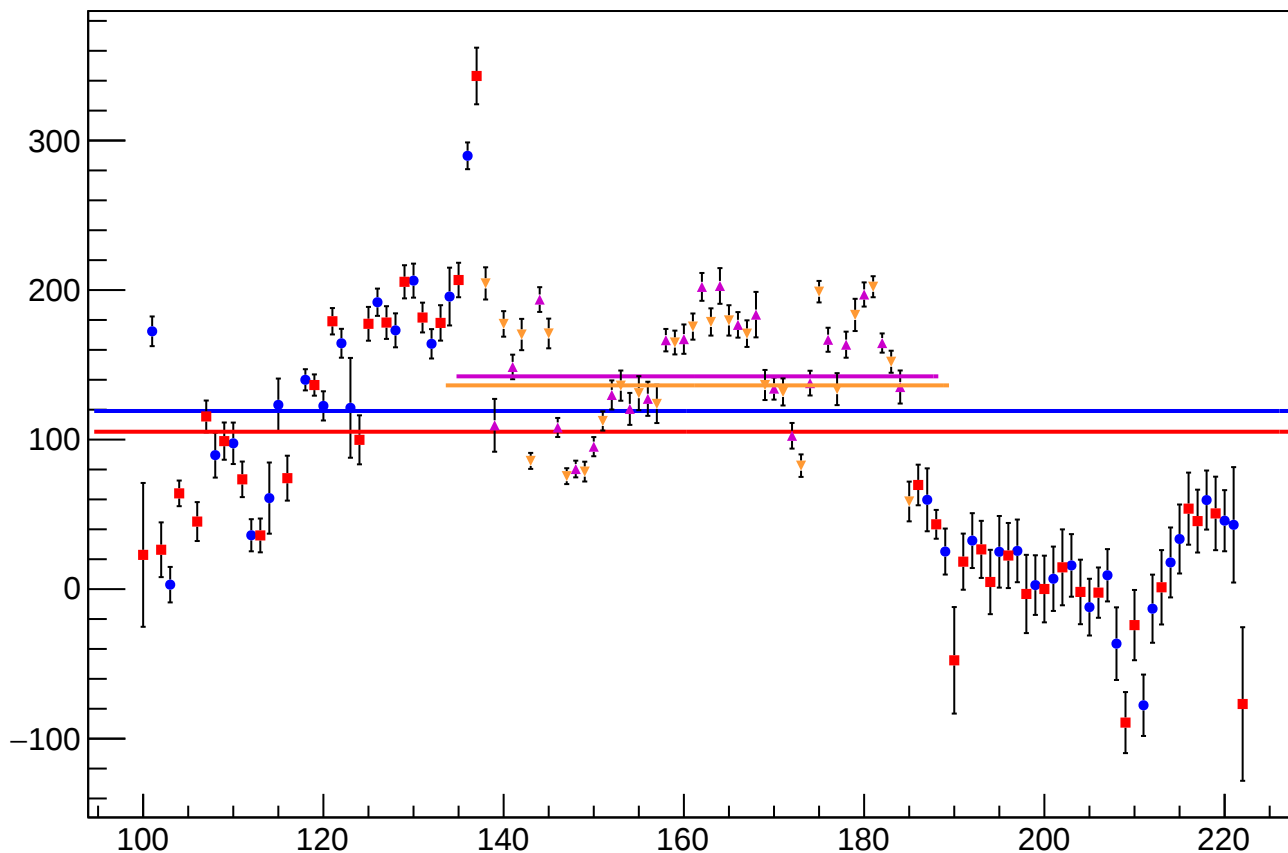
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 453.737 ± 1.469 $\chi^2/\text{NDF}: 8355.8/59$

All: 465.898 ± 1.017 $\chi^2/\text{NDF}: 19793.2/120$

- sign 477.109 ± 1.410 $\chi^2/\text{NDF}: 11305.6/60$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 119.127 ± 2.374 $\chi^2/\text{NDF}: 1274.1/34$

Left Out: 136.258 ± 1.651 $\chi^2/\text{NDF}: 758.3/24$

Right Out: 105.262 ± 2.264 $\chi^2/\text{NDF}: 1132.3/37$

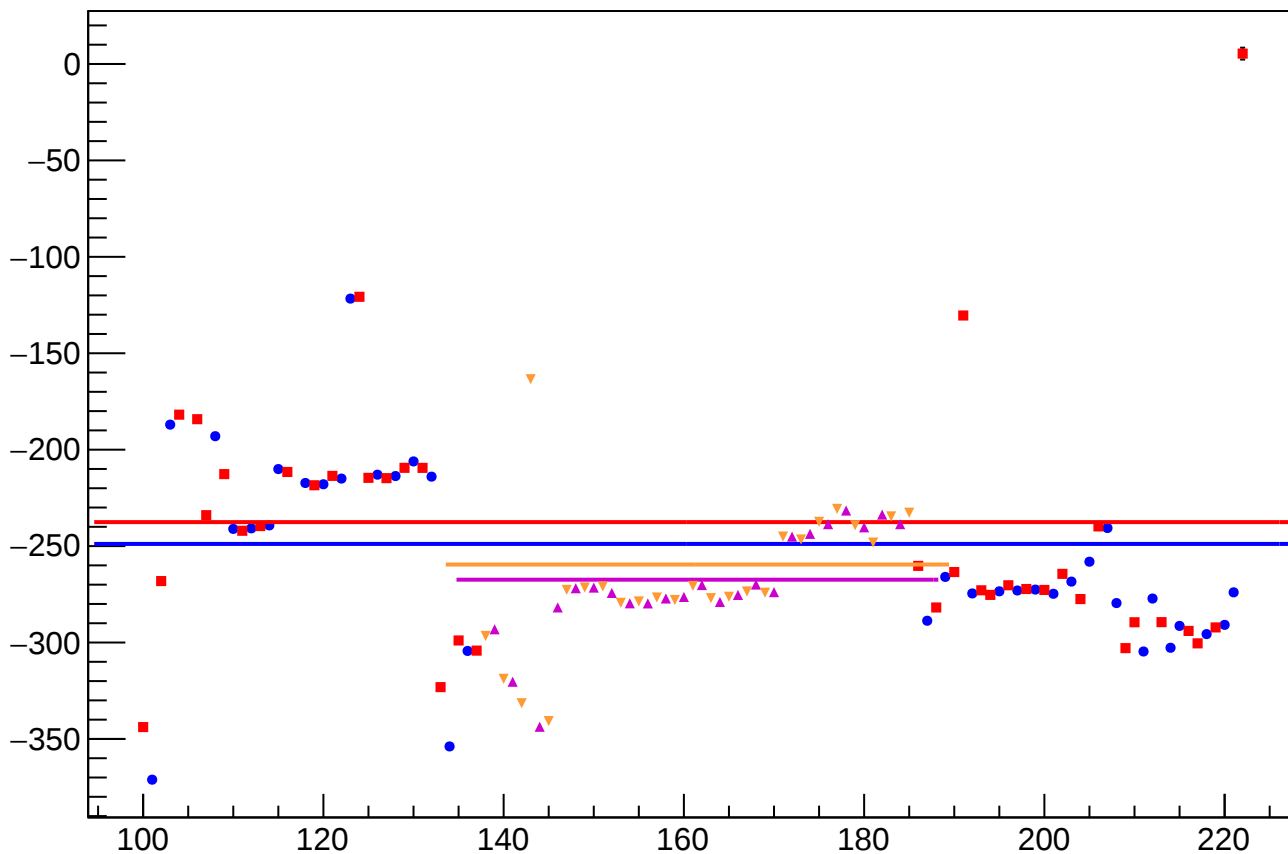
Left In: 142.296 ± 1.745 $\chi^2/\text{NDF}: 459.8/22$

+ sign 130.673 ± 1.355 $\chi^2/\text{NDF}: 2067.5/59$

All: 129.606 ± 0.968 $\chi^2/\text{NDF}: 3828.8/120$

- sign 128.497 ± 1.382 $\chi^2/\text{NDF}: 1760.0/60$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -248.876 ± 0.119 χ^2/NDF : 175636.6/34

Left Out: -259.557 ± 0.079 χ^2/NDF : 238235.2/24

Right Out: -237.562 ± 0.111 χ^2/NDF : 195358.2/37

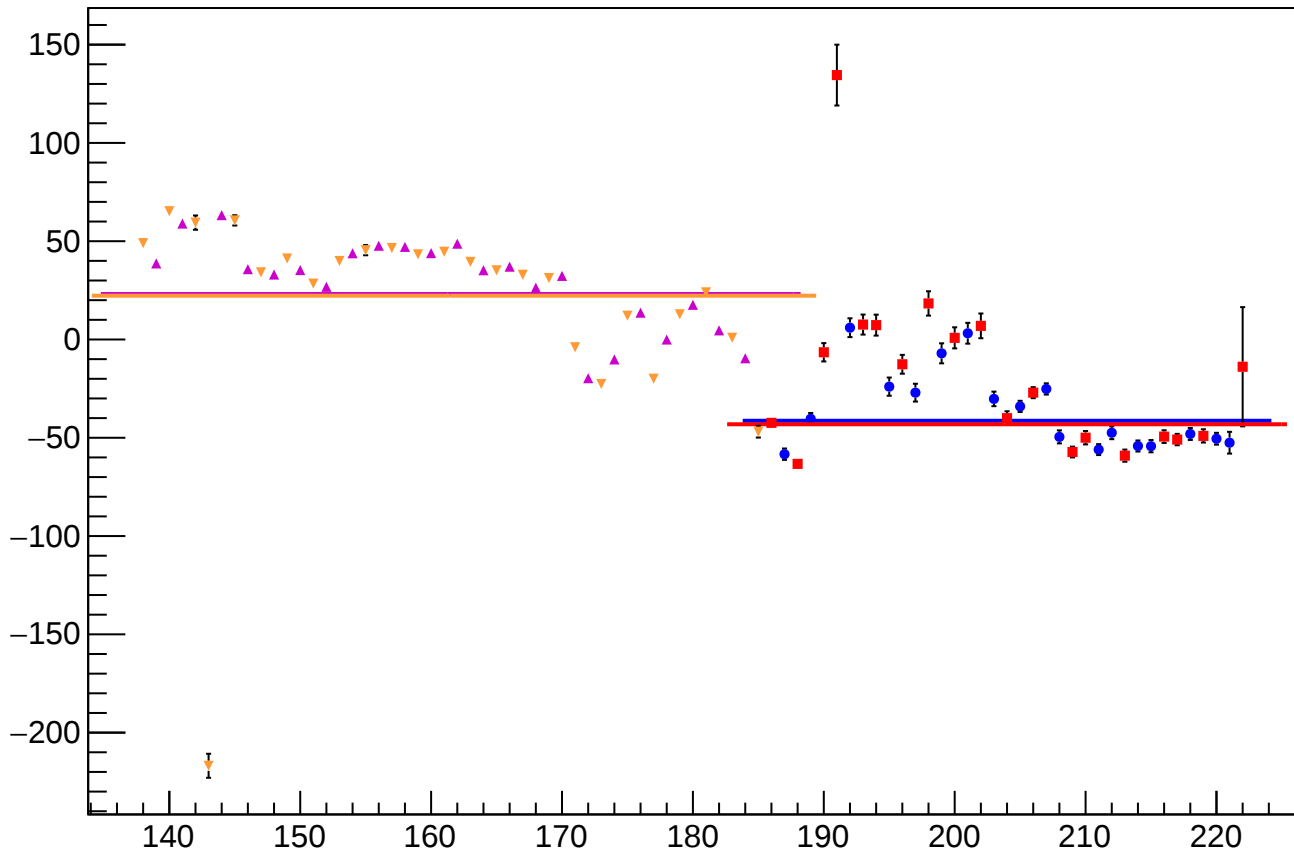
Left In: -267.417 ± 0.082 χ^2/NDF : 98035.5/22

+ sign -256.266 ± 0.066 χ^2/NDF : 419490.2/59

All: -256.607 ± 0.047 χ^2/NDF : 759790.7/120

- sign -256.949 ± 0.066 χ^2/NDF : 340246.8/60

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.352 ± 0.801 $\chi^2/\text{NDF}: 413.4/17$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -43.136 ± 0.740 $\chi^2/\text{NDF}: 924.3/18$

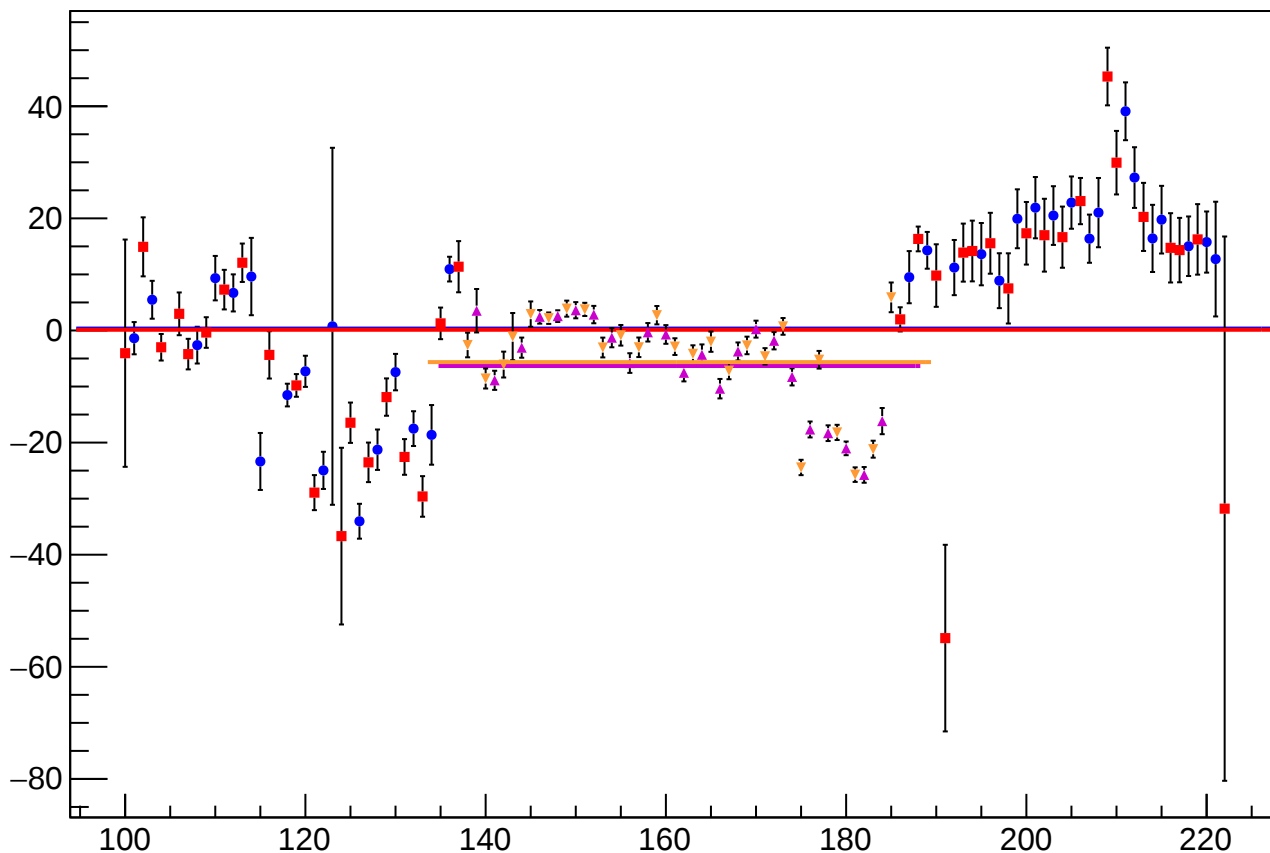
Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

+ sign 9.646 ± 0.357 $\chi^2/\text{NDF}: 10639.7/42$

All: 8.844 ± 0.251 $\chi^2/\text{NDF}: 20518.2/84$

- sign -8.060 ± 0.353 $\chi^2/\text{NDF}: 9868.5/41$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.342 ± 0.660 χ^2/NDF : 612.7/34

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: 0.127 ± 0.616 χ^2/NDF : 632.4/37

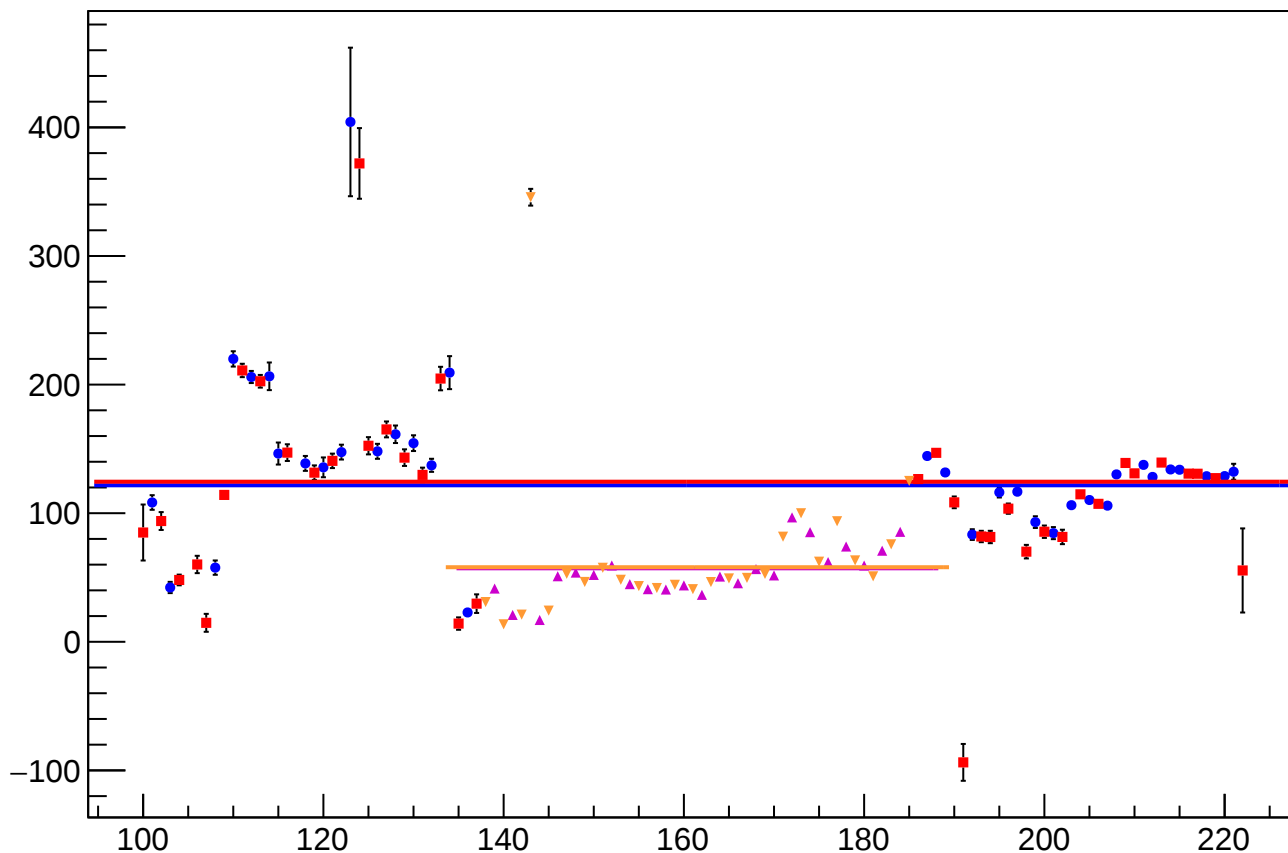
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -4.530 ± 0.285 χ^2/NDF : 1573.3/59

All: -4.742 ± 0.201 χ^2/NDF : 3076.3/120

- sign -4.955 ± 0.285 χ^2/NDF : 1501.9/60

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 121.692 $\pm$ 0.684 χ^2 /NDF: 2615.6/34

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 124.497 $\pm$ 0.602 χ^2 /NDF: 3284.3/37

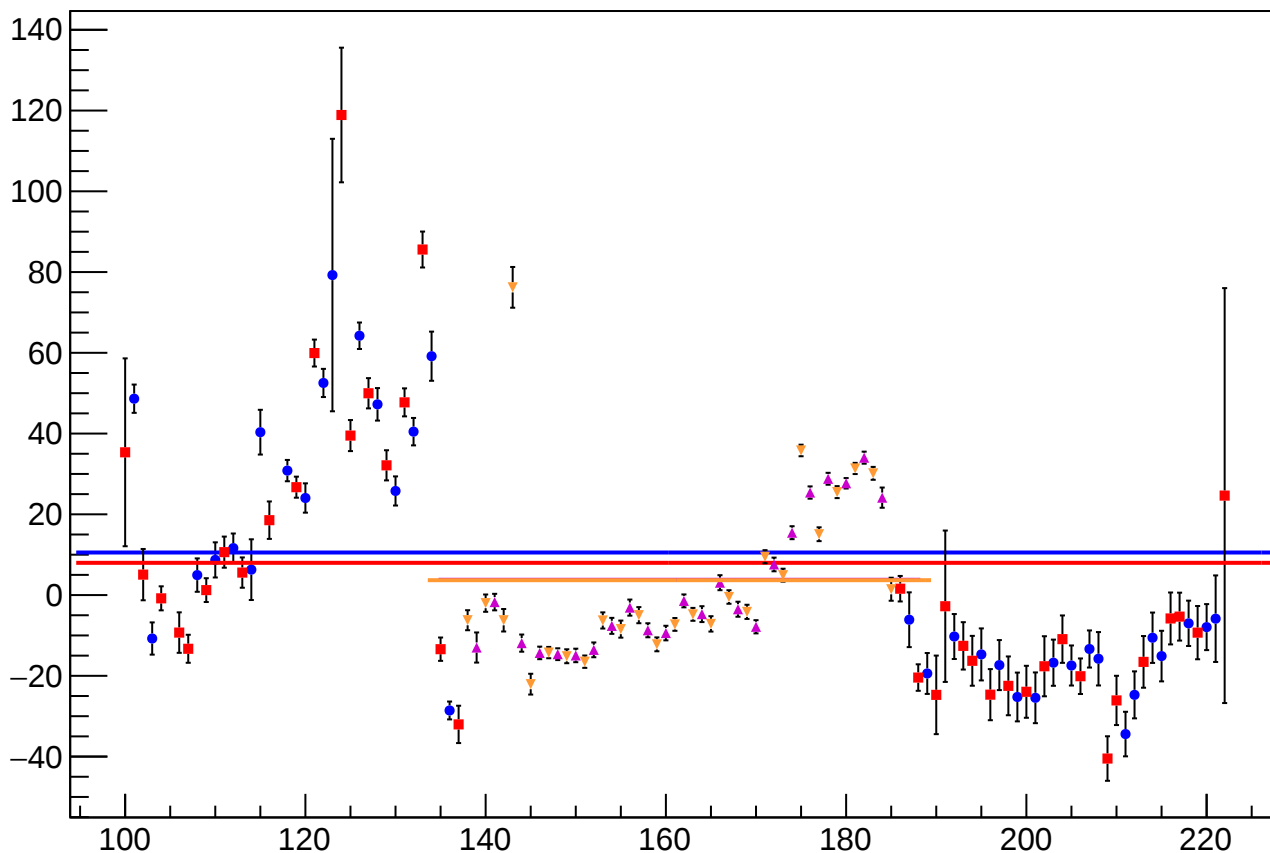
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 74.112 $\pm$ 0.344 χ^2 /NDF: 13736.7/59

All: 75.972 $\pm$ 0.239 χ^2 /NDF: 27562.9/120

- sign 77.715 $\pm$ 0.333 χ^2 /NDF: 13769.6/60

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 10.542 ± 0.755 $\chi^2/\text{NDF}: 1632.5/34$

Left Out: 3.684 ± 0.357 $\chi^2/\text{NDF}: 2541.7/24$

Right Out: 7.985 ± 0.725 $\chi^2/\text{NDF}: 1599.2/37$

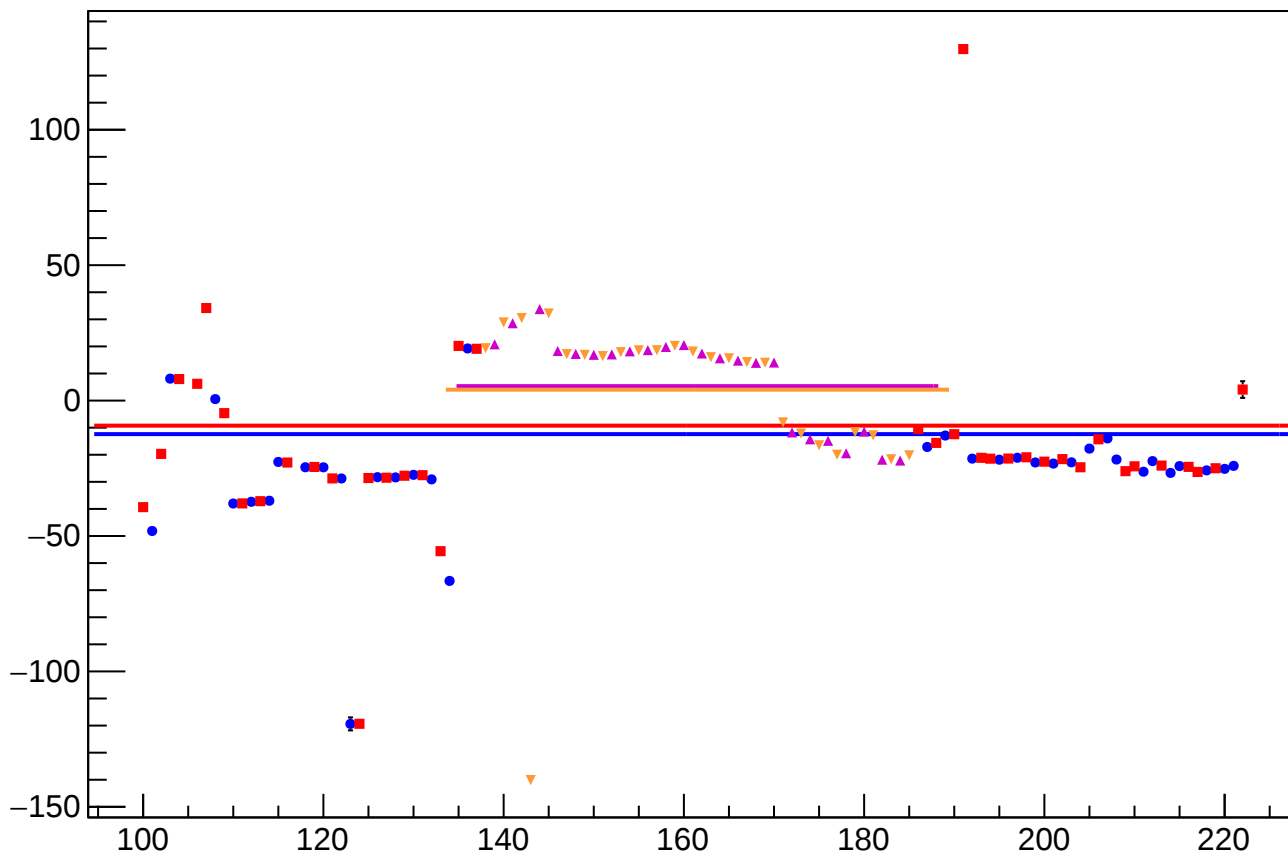
Left In: 3.786 ± 0.362 $\chi^2/\text{NDF}: 2198.8/22$

+ sign 4.937 ± 0.322 $\chi^2/\text{NDF}: 4241.7/59$

All: 4.780 ± 0.228 $\chi^2/\text{NDF}: 8067.0/120$

- sign 4.623 ± 0.324 $\chi^2/\text{NDF}: 3824.8/60$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.382 ± 0.036 χ^2/NDF : 310519.5/34

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -9.257 ± 0.035 χ^2/NDF : 403300.9/37

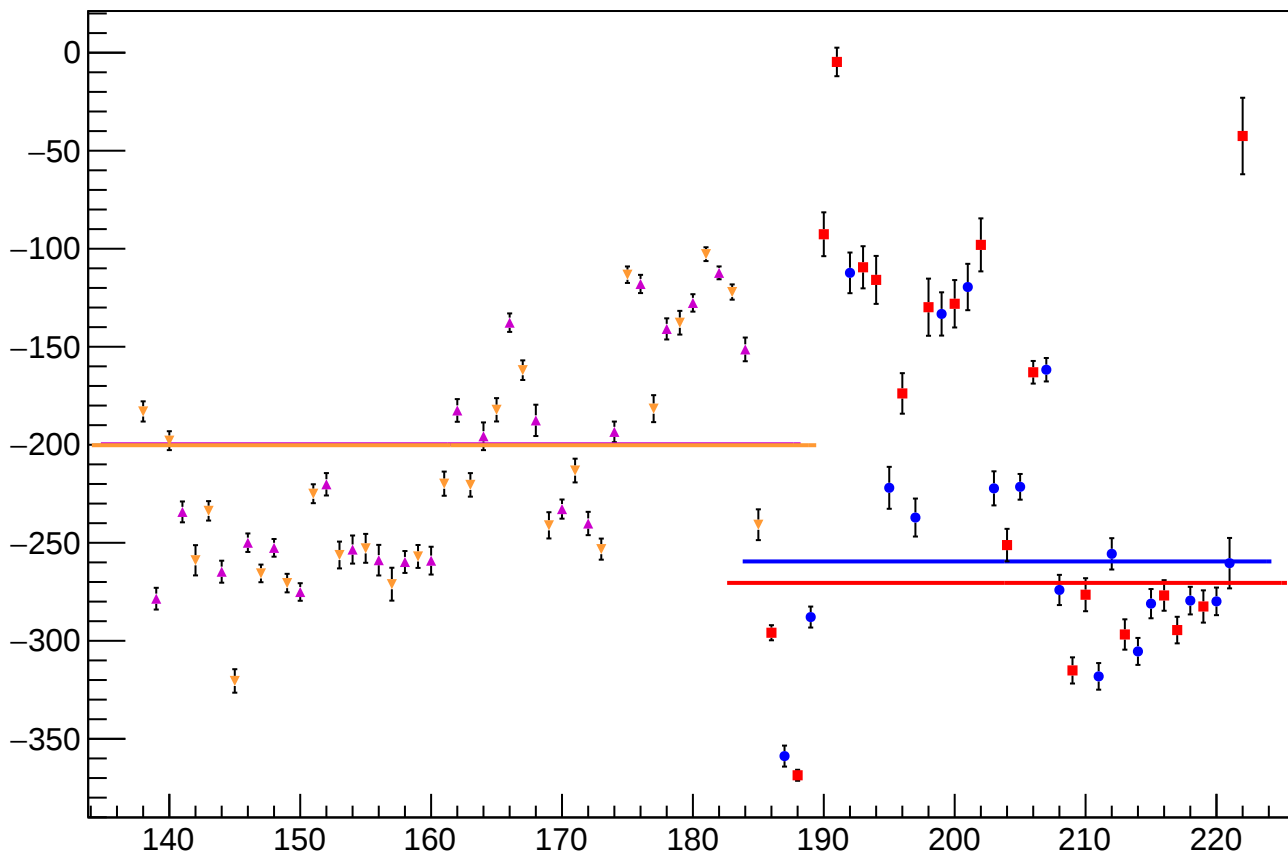
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.154 ± 0.015 χ^2/NDF : 1869641.6/59

All: 1.925 ± 0.011 χ^2/NDF : 3498926.9/120

- sign 2.696 ± 0.015 χ^2/NDF : 1623904.0/60

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -259.512 ± 1.773 χ^2/NDF : 1329.1/17

Left Out: -200.228 ± 1.078 χ^2/NDF : 3225.0/24

Right Out: -270.459 ± 1.551 χ^2/NDF : 4273.4/18

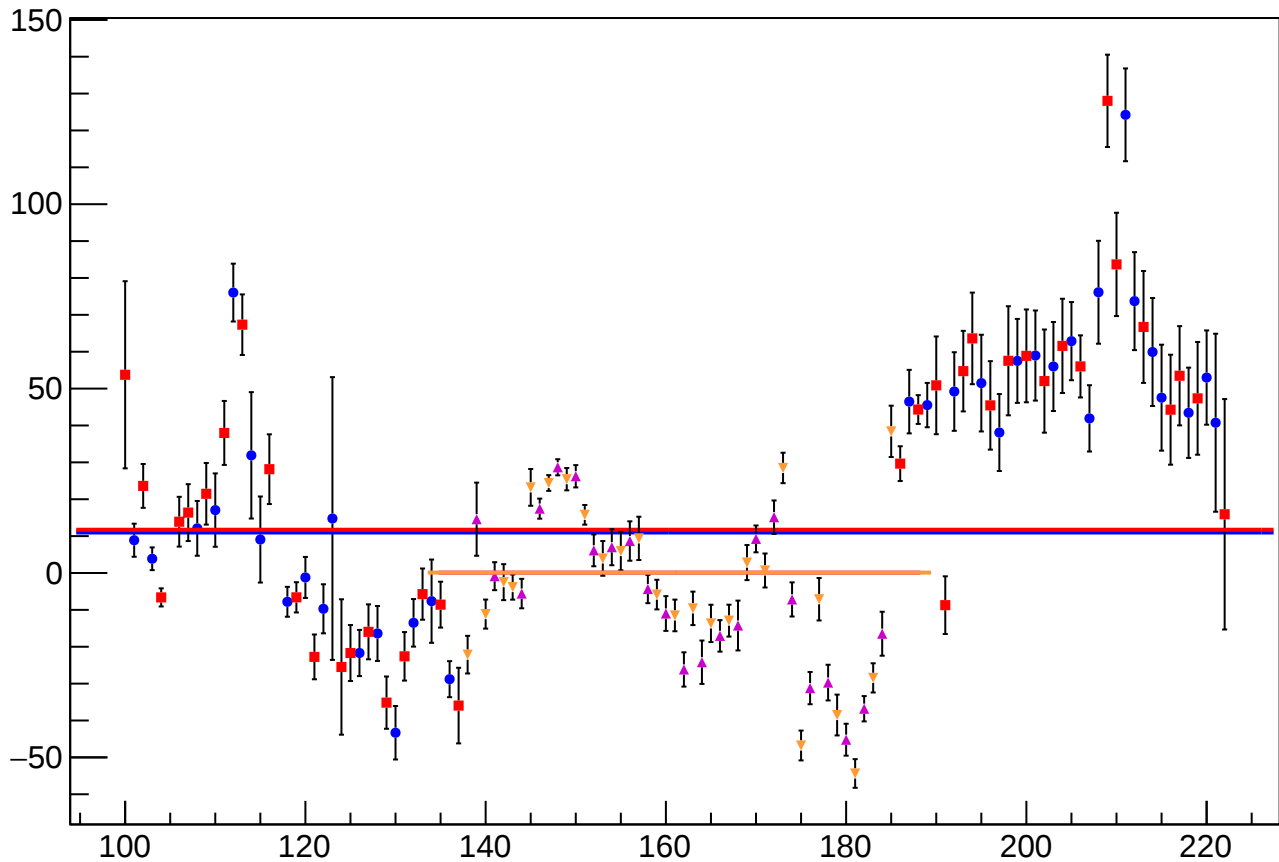
Left In: -199.739 ± 1.097 χ^2/NDF : 2968.0/22

+ sign -216.221 ± 0.921 χ^2/NDF : 5370.2/42

All: -219.875 ± 0.642 χ^2/NDF : 14027.7/84

- sign -223.333 ± 0.896 χ^2/NDF : 8626.9/41

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.983 ± 1.278 $\chi^2/\text{NDF}: 615.8/34$

Left Out: 0.109 ± 0.807 $\chi^2/\text{NDF}: 831.2/24$

Right Out: 11.728 ± 1.167 $\chi^2/\text{NDF}: 682.7/37$

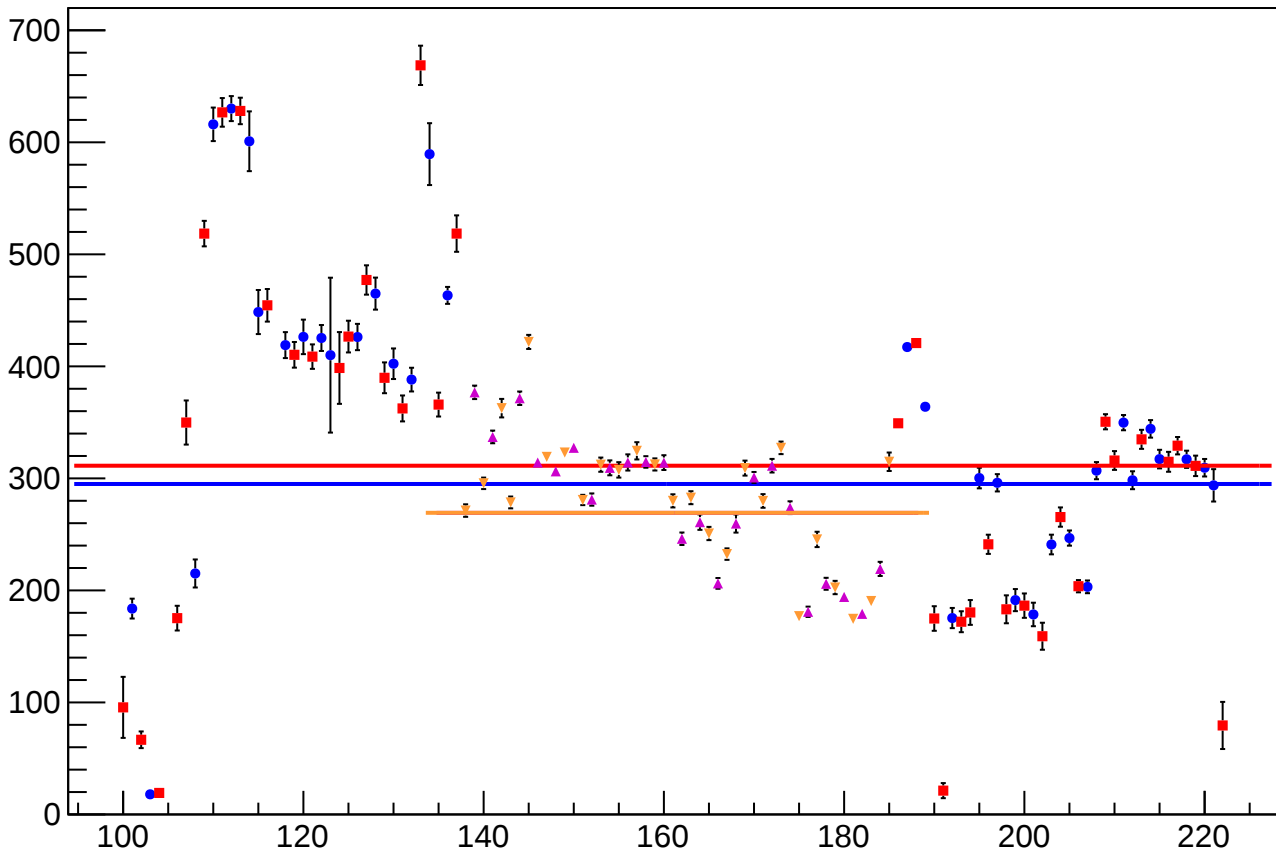
Left In: 0.097 ± 0.838 $\chi^2/\text{NDF}: 715.5/22$

+ sign 3.208 ± 0.683 $\chi^2/\text{NDF}: 1498.8/59$

All: 3.631 ± 0.482 $\chi^2/\text{NDF}: 2963.2/120$

- sign 4.052 ± 0.681 $\chi^2/\text{NDF}: 1463.6/60$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 294.995 $\pm$ 1.397 χ^2 /NDF: 9657.5/34

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 311.308 $\pm$ 1.201 χ^2 /NDF: 14530.6/37

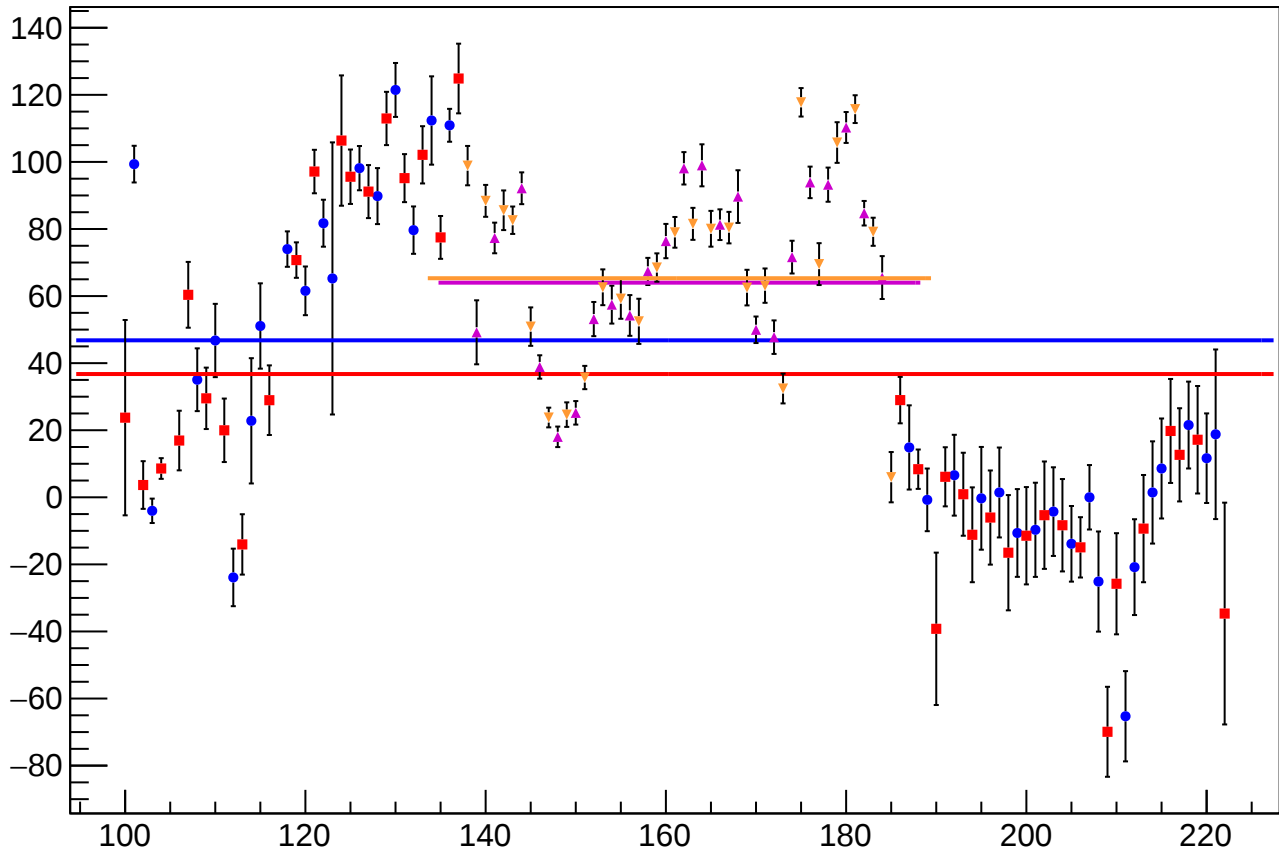
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 278.872 $\pm$ 0.853 χ^2 /NDF: 13016.7/59

All: 283.801 $\pm$ 0.586 χ^2 /NDF: 31454.5/120

- sign 288.217 $\pm$ 0.808 χ^2 /NDF: 18374.5/60

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 46.806 $\pm$ 1.484 χ^2/NDF : 1114.9/34

Left Out: 65.323 $\pm$ 0.935 χ^2/NDF :1007.1/24

Right Out: 36.754 $\pm$ -1.402 χ^2/NDF : 970.3/37

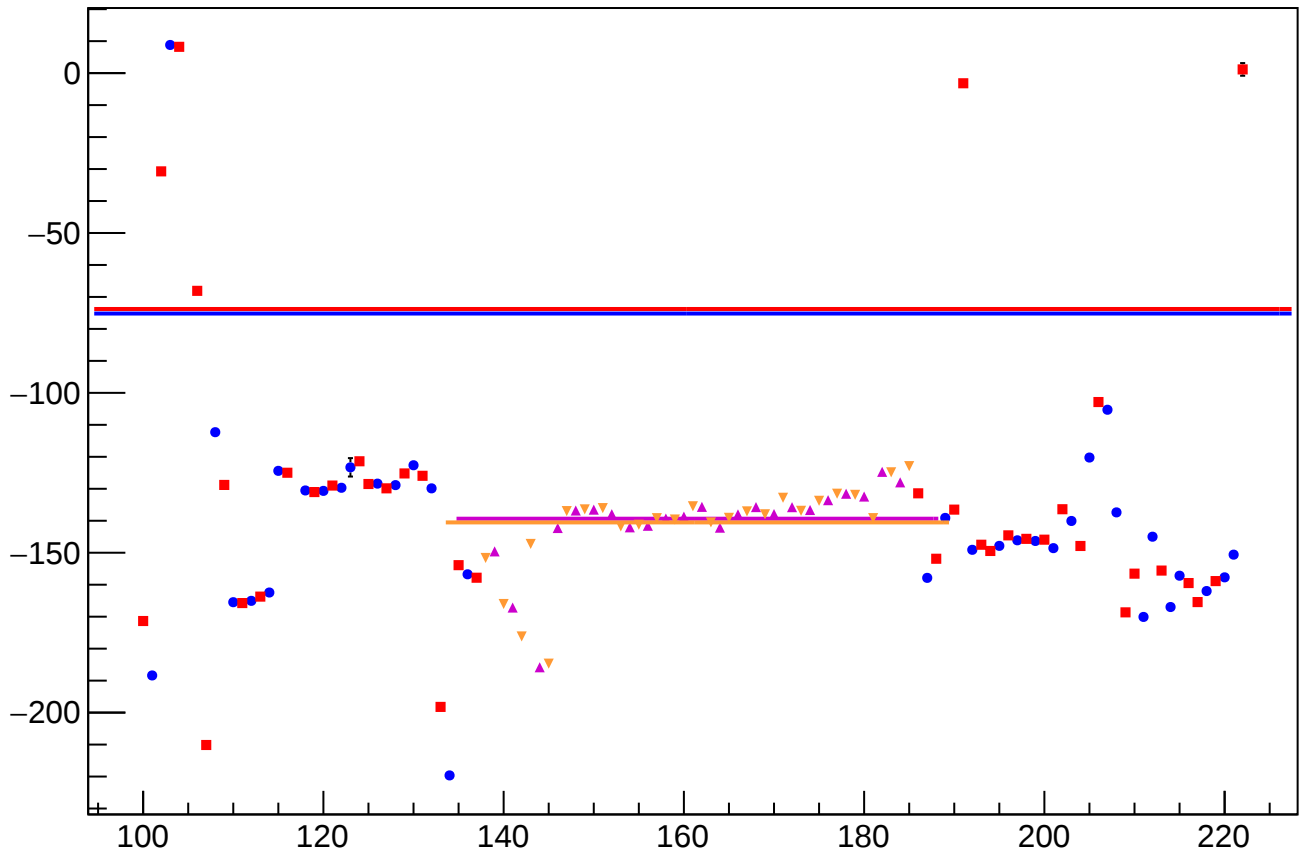
Left In: 63.999 $\pm$ -0.963 χ^2/NDF :799.5/22

+ sign 60.064 $\pm$ -0.791 χ^2/NDF : 2233.5/59

All: 57.673 $\pm$ -0.560 χ^2/NDF : 4278.3/120

- sign 55.265 $\pm$ -0.794 χ^2/NDF : 2026.4/60

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -75.190 ± 0.061 χ^2/NDF : 1636178.8/34

Left Out: -140.519 ± 0.045 χ^2/NDF : 77489.0/24

Right Out: -73.768 ± 0.060 χ^2/NDF : 1467401.6/37

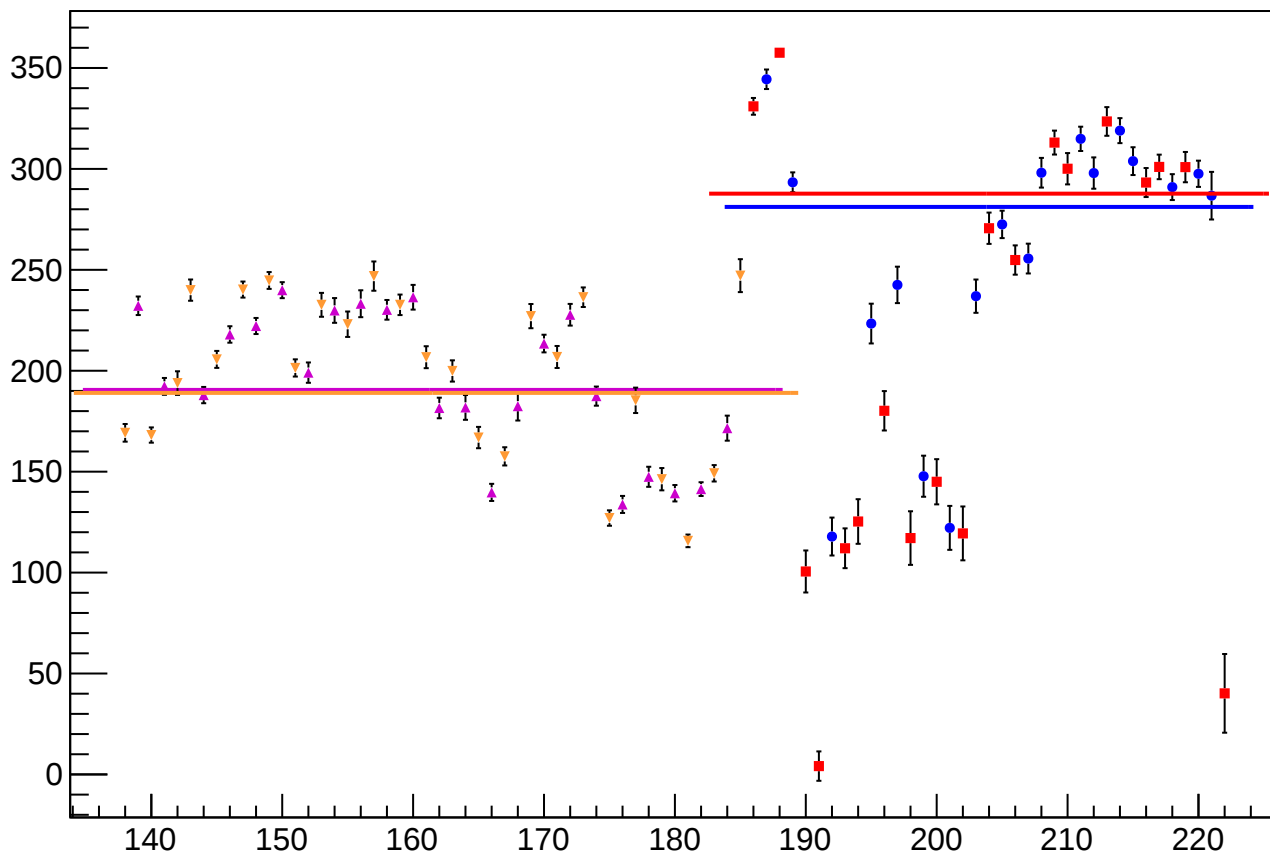
Left In: -139.360 ± 0.045 χ^2/NDF : 62449.0/22

+ sign -117.840 ± 0.036 χ^2/NDF : 2460067.1/59

All: -116.723 ± 0.025 χ^2/NDF : 4760820.2/12

- sign -115.609 ± 0.036 χ^2/NDF : 2298830.7/60

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 281.169 ± 1.676 $\chi^2/\text{NDF}: 1057.8/17$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 287.740 ± 1.473 $\chi^2/\text{NDF}: 4109.8/18$

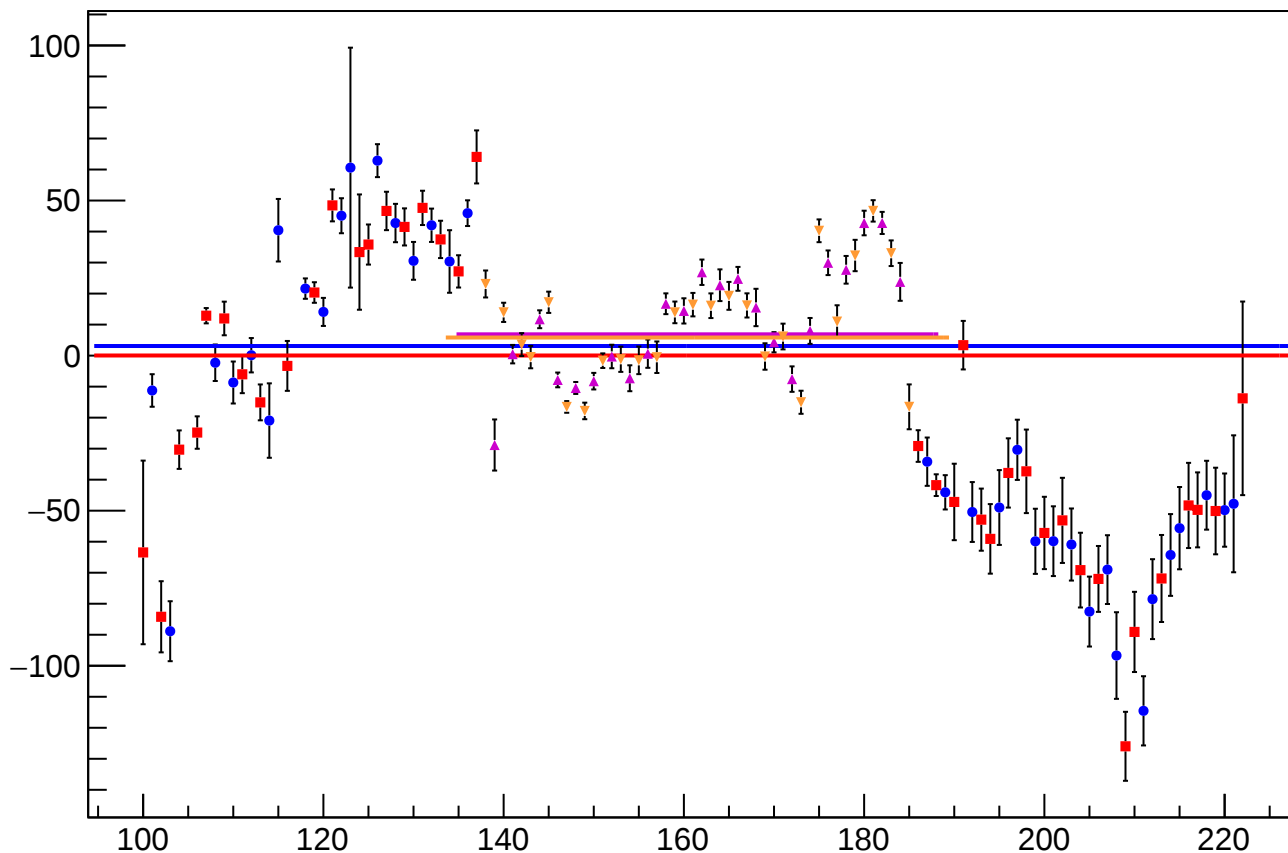
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 211.637 ± 0.830 $\chi^2/\text{NDF}: 5318.5/42$

All: 215.973 ± 0.581 $\chi^2/\text{NDF}: 13924.0/84$

- sign 220.130 ± 0.813 $\chi^2/\text{NDF}: 8552.1/41$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 3.096 ± 1.215 χ^2/NDF : 1216.1/34

Left Out: 5.834 ± 0.712 χ^2/NDF : 652.2/24

Right Out: 0.039 ± 1.053 χ^2/NDF : 1233.2/37

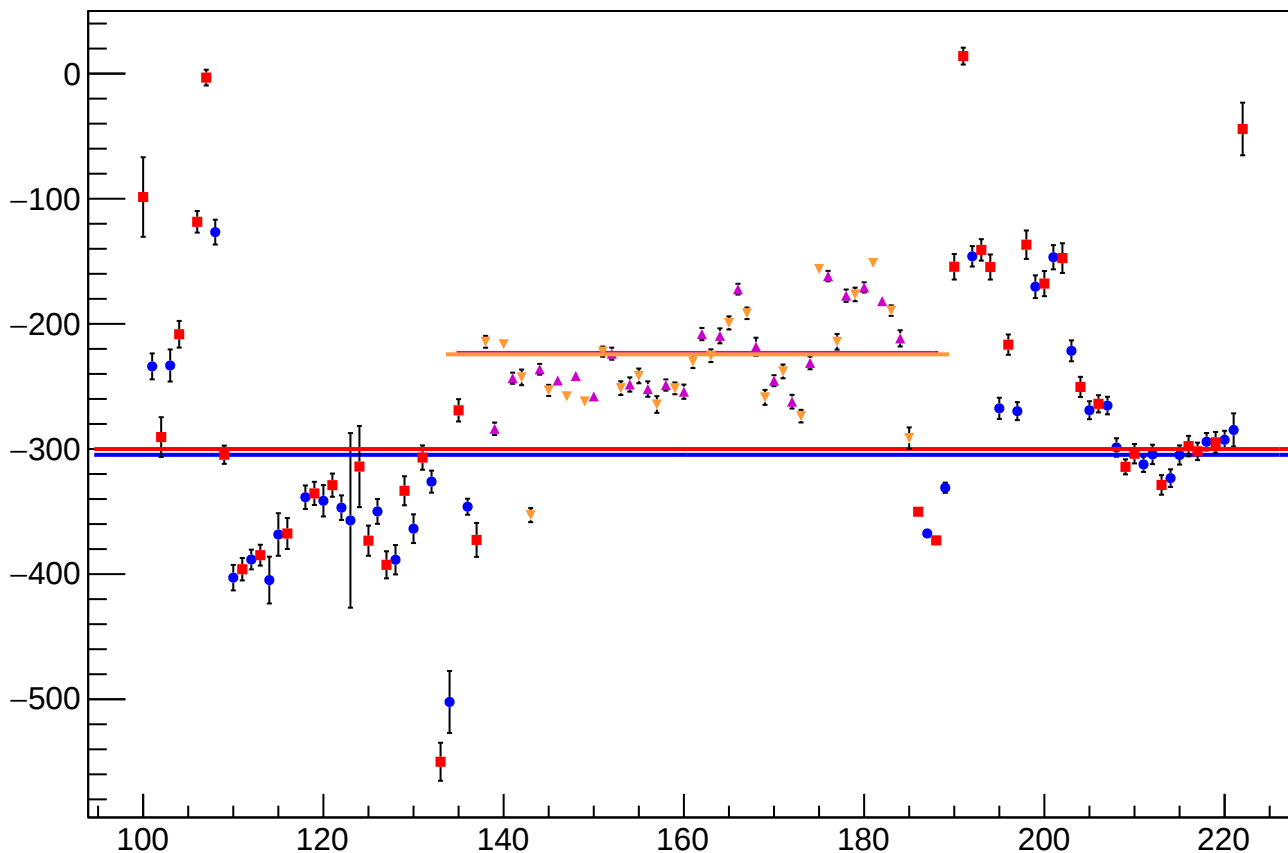
Left In: 6.862 ± 0.736 χ^2/NDF : 522.7/22

+ sign 5.134 ± 0.615 χ^2/NDF : 1872.1/59

All: 4.872 ± 0.431 χ^2/NDF : 3656.6/120

- sign 4.620 ± 0.603 χ^2/NDF : 1784.1/60

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -304.663 ± 1.357 χ^2/NDF : 2264.8/34

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -300.035 ± 1.142 χ^2/NDF : 8826.8/37

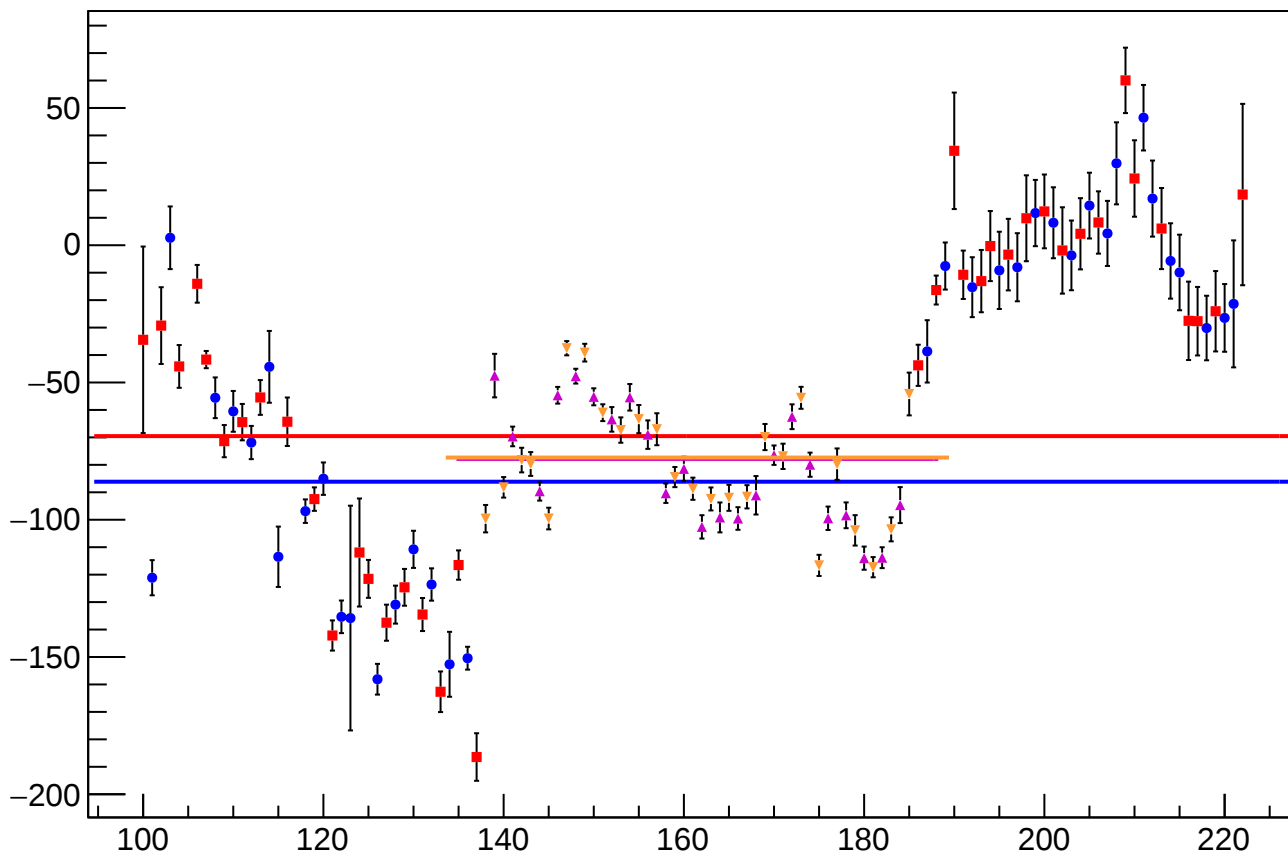
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -250.999 ± 0.782 χ^2/NDF : 6708.1/59

All: -253.319 ± 0.537 χ^2/NDF : 19451.6/120

- sign -255.393 ± 0.739 χ^2/NDF : 12726.8/60

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -86.145 $\pm$ 1.404 χ^2/NDF : 1609.4/34

Left Out: -77.343 $\pm$ 0.827 χ^2/NDF :846.2/24

Right Out: -69.536 $\pm$ 1.255 χ^2/NDF : 1792.9/37

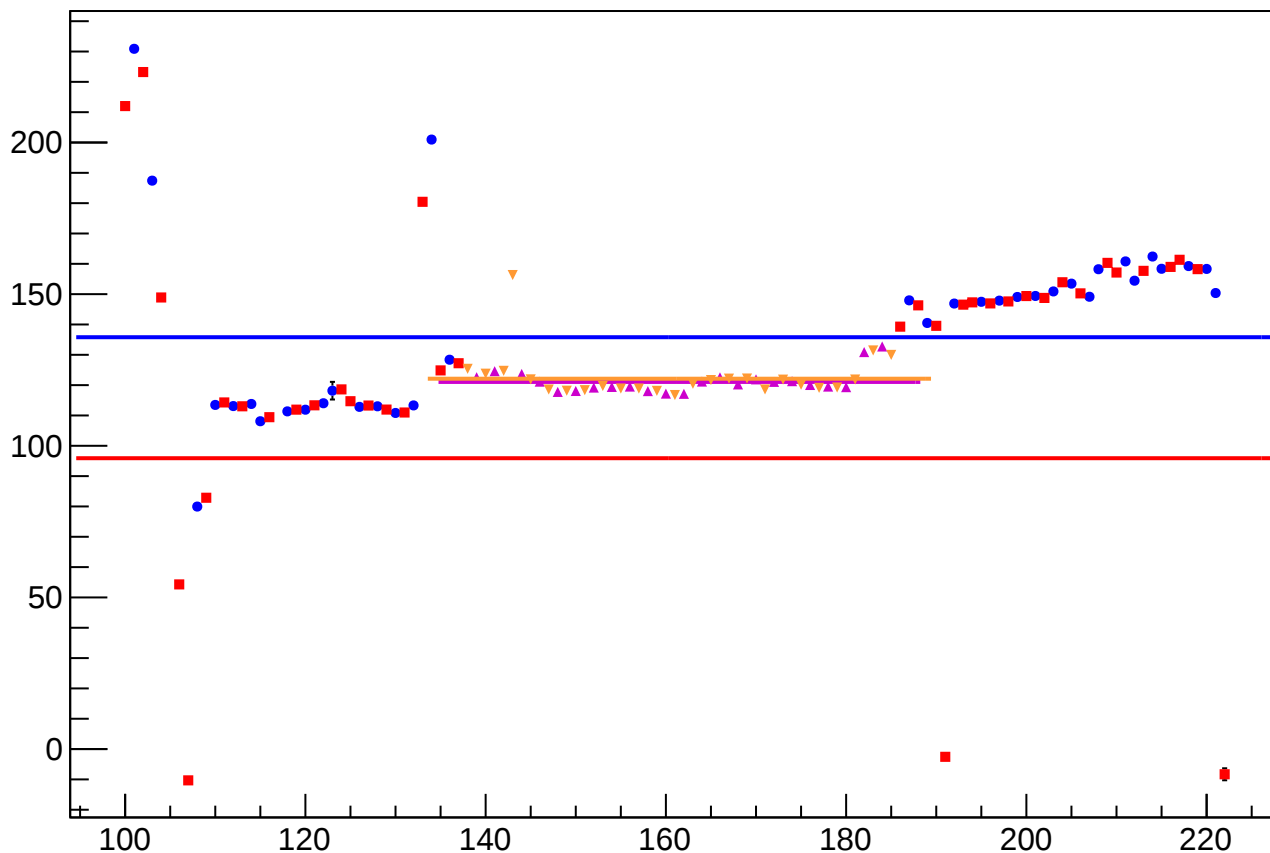
Left In: -77.838 $\pm$ 0.849 χ^2/NDF :622.8/22

+ sign -79.610 $\pm$ 0.712 χ^2/NDF : 2484.9/59

All: -77.392 $\pm$ 0.500 χ^2/NDF : 4949.8/120

- sign -75.231 $\pm$ 0.703 χ^2/NDF : 2445.8/60

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 135.800 $\pm$ 0.071 χ^2 /NDF: 214046.5/34

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24

Right Out: 95.905 $\pm$ 0.061 χ^2 /NDF: 1183205.6/37

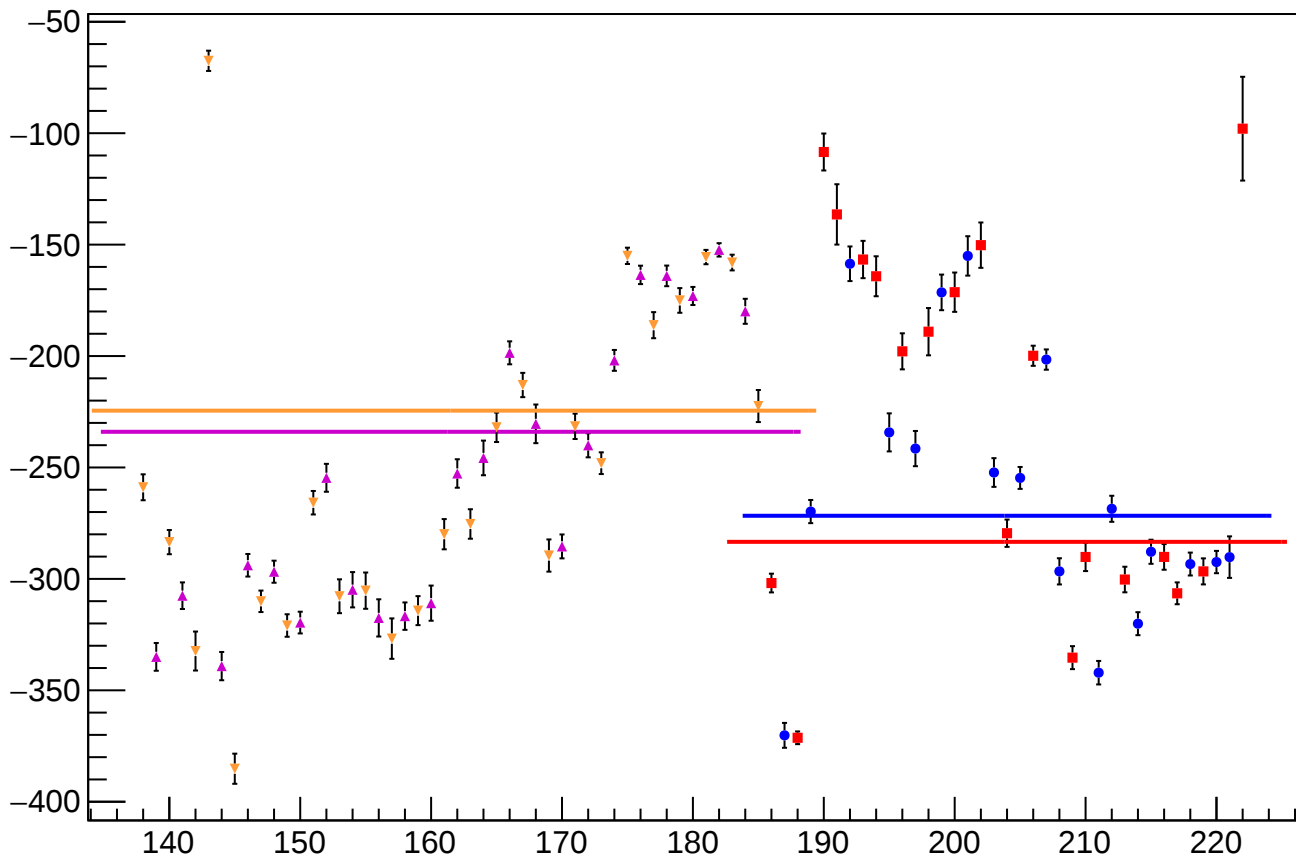
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 125.319 $\pm$ 0.034 χ^2 /NDF: 272714.5/59

All: 119.222 $\pm$ 0.024 χ^2 /NDF: 1643769.8/120

- sign 113.547 $\pm$ 0.033 χ^2 /NDF: 1310731.9/60

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -271.673+/-1.397 χ^2/NDF : 1479.2/17

Left Out: -224.501+/-1.079 χ^2/NDF : 4870.6/24

Right Out: -283.372+/-1.355 χ^2/NDF : 3007.6/18

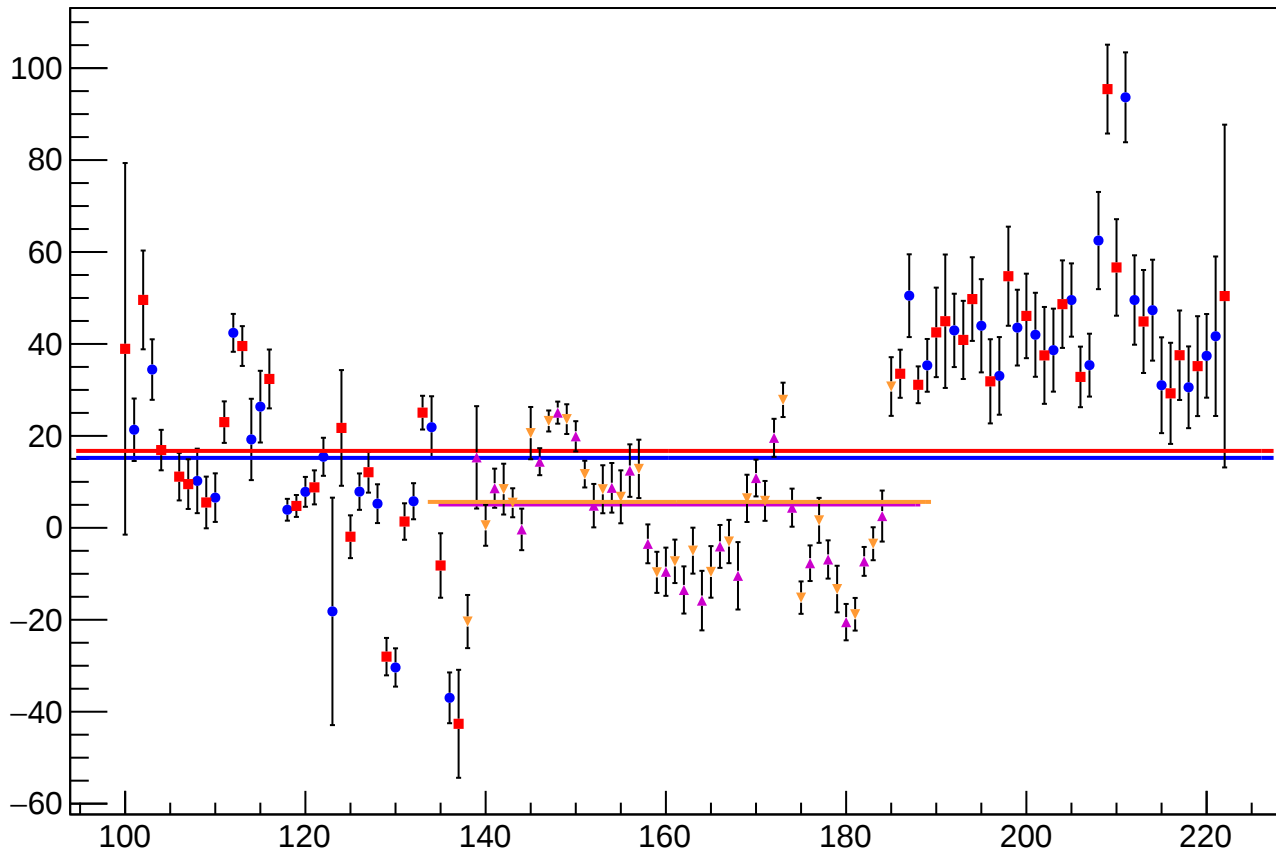
Left In: -233.988+/-1.109 χ^2/NDF : 3538.4/22

+ sign -242.134+/-0.854 χ^2/NDF : 7064.1/42

All: -247.931+/-0.605 χ^2/NDF : 14498.4/84

- sign -253.785+/-0.858 χ^2/NDF : 7341.6/41

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.215 $\pm$ 0.975 χ^2 /NDF: 538.6/34

Left Out: 5.638 $\pm$ 0.828 χ^2 /NDF: 313.6/24

Right Out: 16.732 $\pm$ 0.936 χ^2 /NDF: 477.0/37

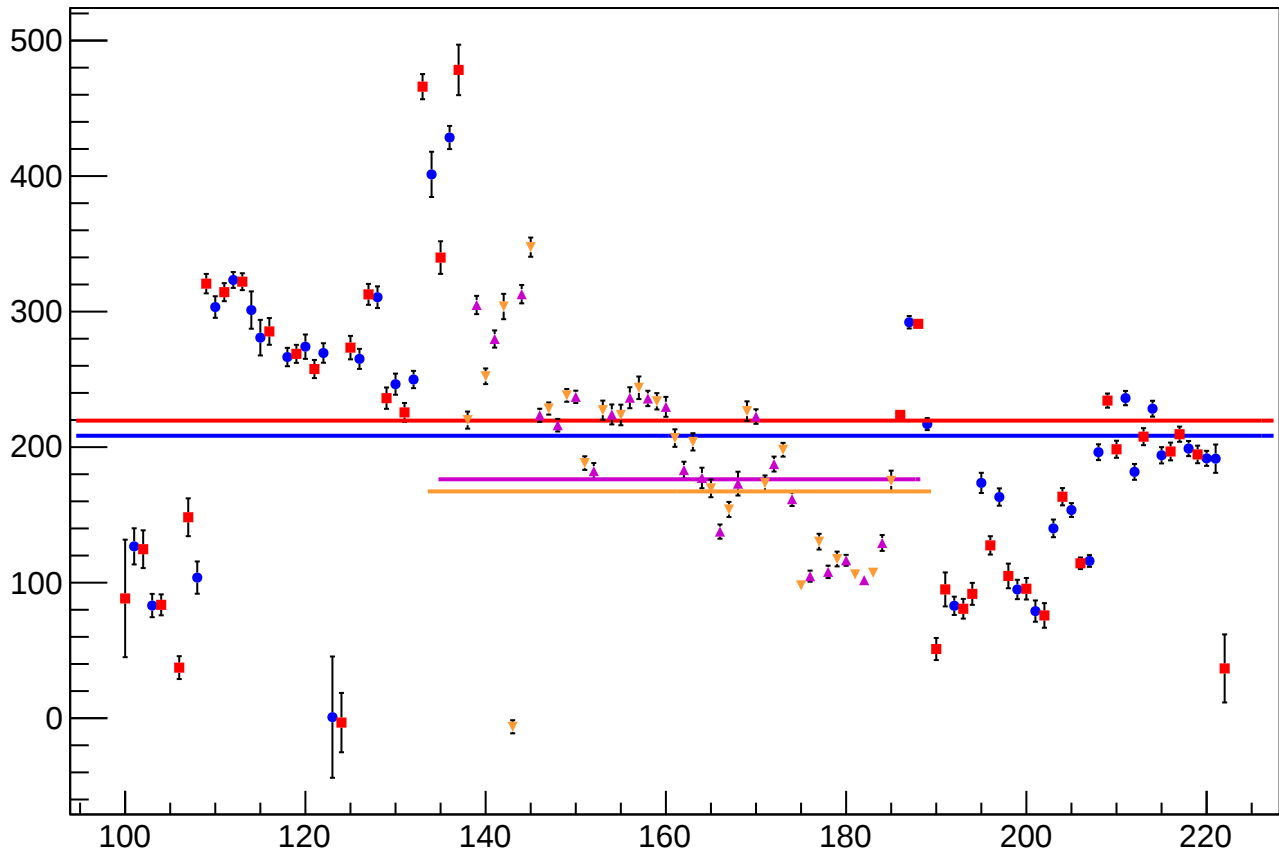
Left In: 5.077 $\pm$ 0.869 χ^2 /NDF: 239.7/22

+ sign 9.652 $\pm$ 0.631 χ^2 /NDF: 908.3/59

All: 10.056 $\pm$ 0.448 χ^2 /NDF: 1709.0/120

- sign 10.469 $\pm$ 0.637 χ^2 /NDF: 799.9/60

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 208.388+/-1.142 χ^2/NDF : 4276.7/34

Left Out: 167.327+/-1.082 χ^2/NDF : 4454.5/24

Right Out: 219.565+/-1.056 χ^2/NDF : 6682.4/37

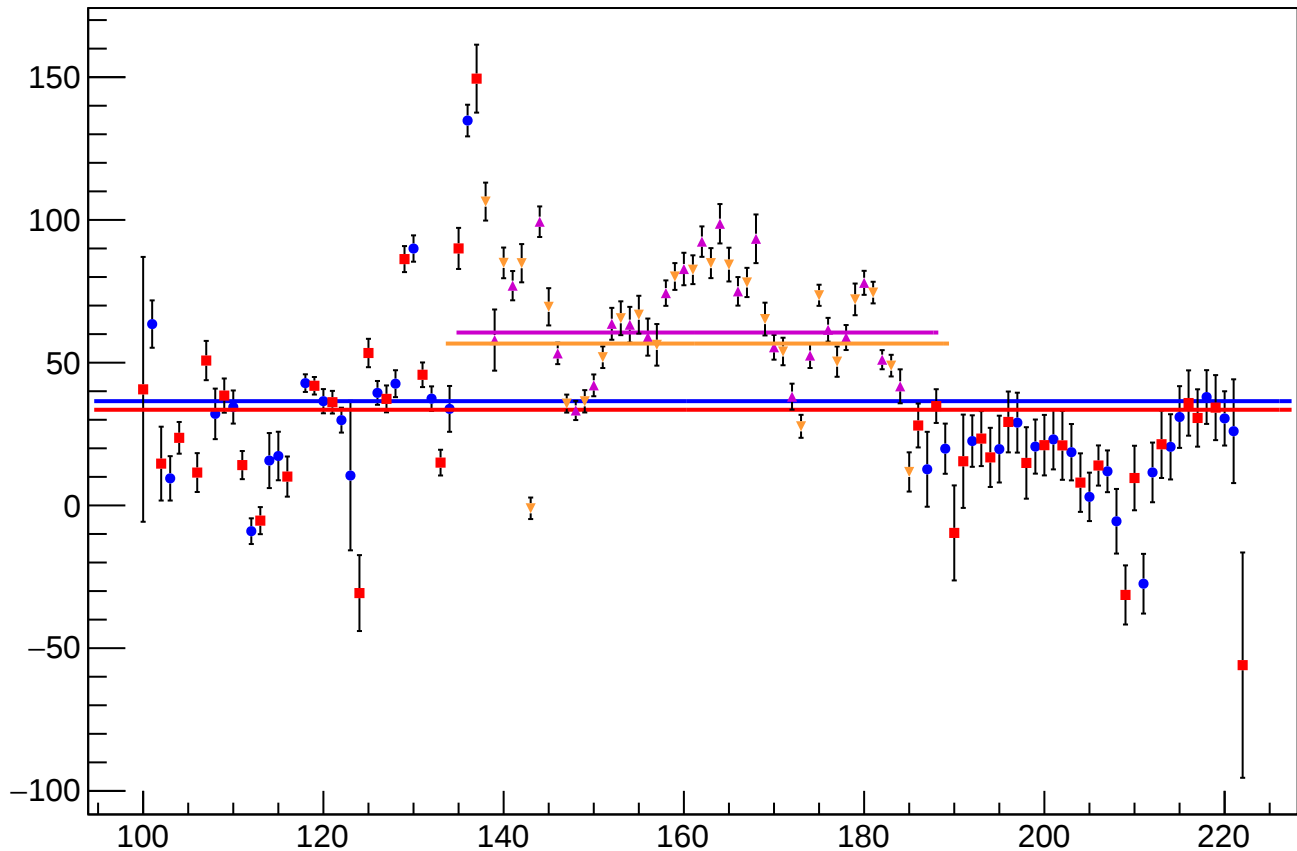
Left In: 176.272+/-1.106 χ^2/NDF : 3169.5/22

+ sign 186.755+/-0.786 χ^2/NDF : 9411.9/59

All: 193.003+/-0.548 χ^2/NDF : 20188.4/120

- sign 198.907+/-0.764 χ^2/NDF : 10653.5/60

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 36.521 $\pm$ 1.124 χ^2/NDF : 699.7/34

Left Out: 56.695 $\pm$ 0.952 χ^2/NDF : 690.4/24

Right Out: 33.504 $\pm$ 1.093 χ^2/NDF : 560.8/37

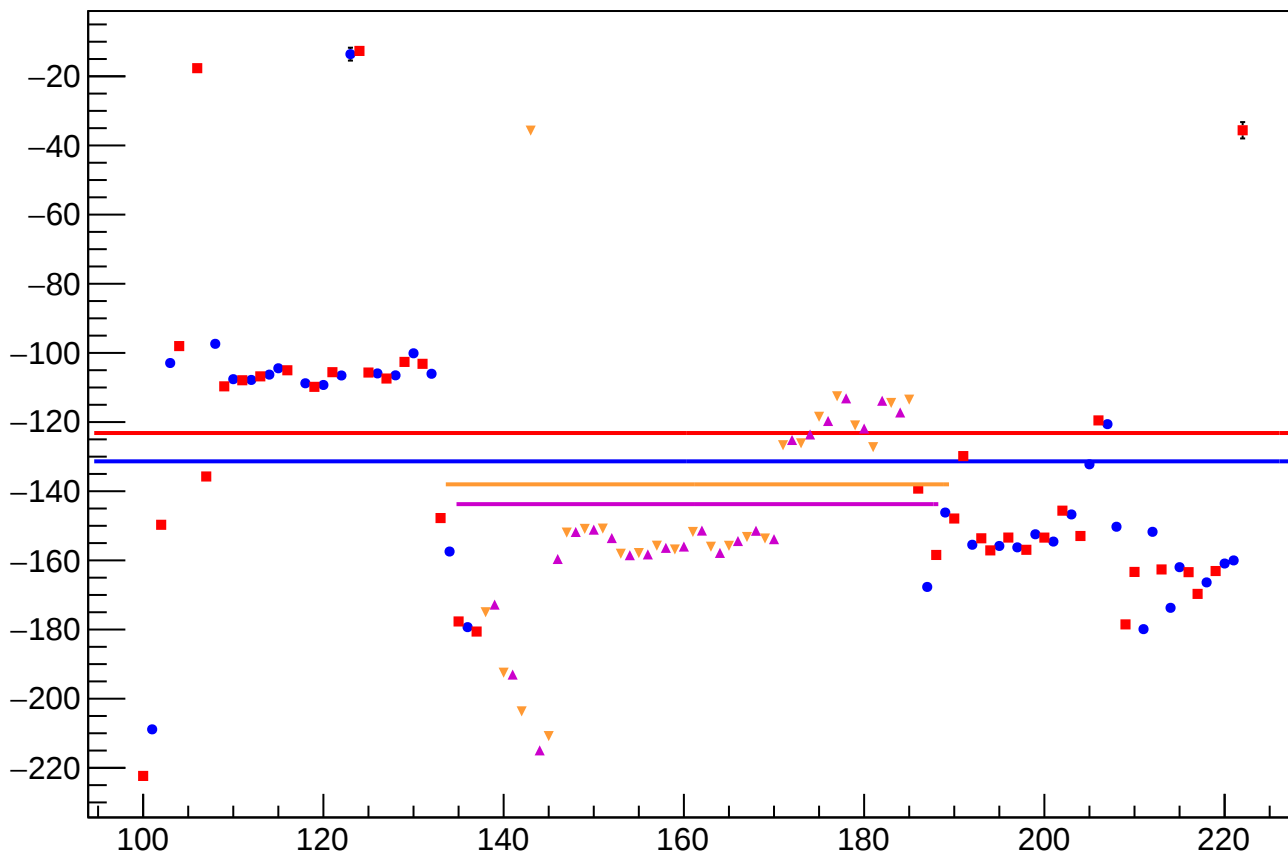
Left In: 60.555 $\pm$ 0.990 χ^2/NDF : 335.6/22

+ sign 48.269 $\pm$ 0.726 χ^2/NDF : 1577.7/59

All: 48.313 $\pm$ 0.516 χ^2/NDF : 2810.7/120

- sign 48.358 $\pm$ 0.734 χ^2/NDF : 1233.0/60

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -131.355+/-0.060 χ^2/NDF : 237102.9/34

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -123.166+/-0.057 χ^2/NDF : 495532.7/37

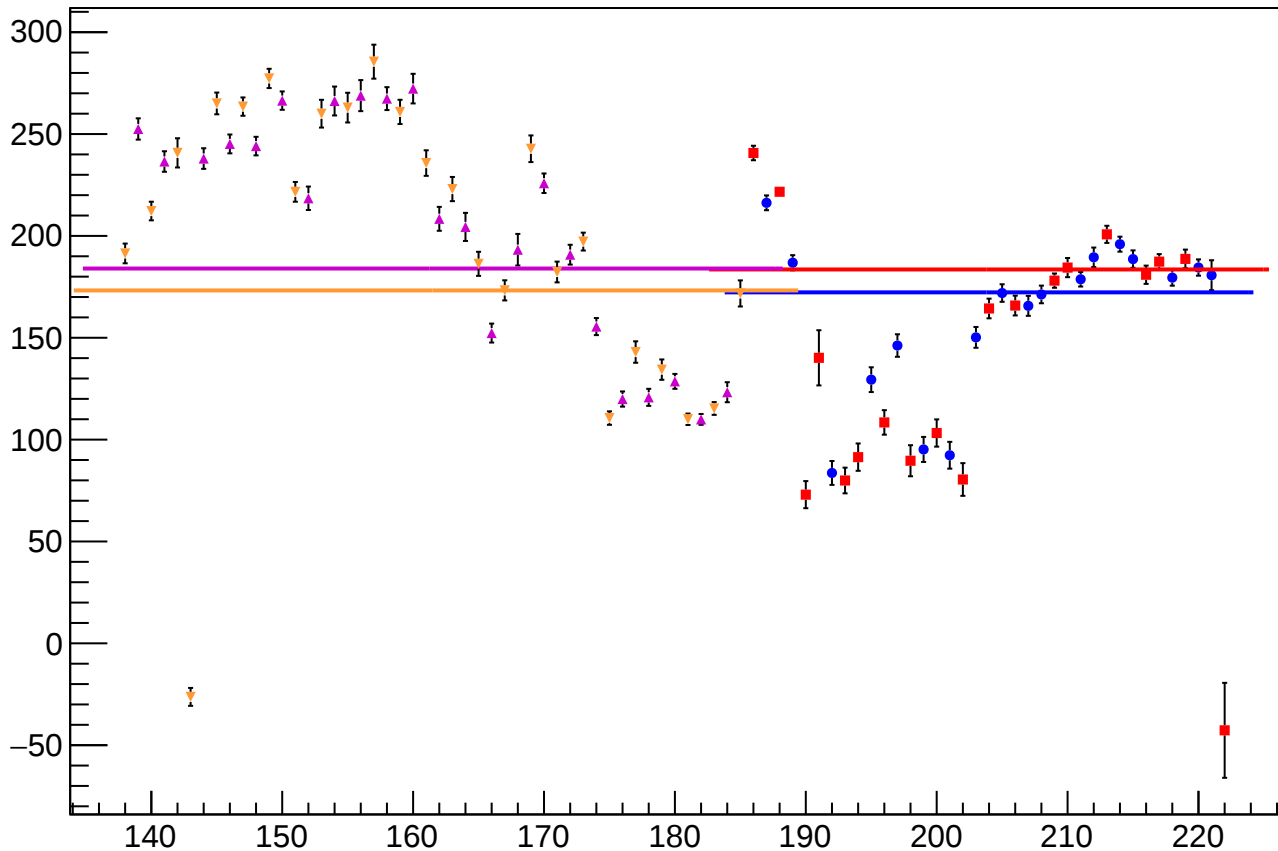
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -135.605+/-0.036 χ^2/NDF : 810720.3/59

All: -135.603+/-0.025 χ^2/NDF : 1643402.7/12

- sign -135.600+/-0.036 χ^2/NDF : 832682.4/60

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 172.285 ± 1.072 χ^2/NDF : 873.7/17

Left Out: 173.229 ± 0.966 χ^2/NDF : 5846.0/24

Right Out: 183.530 ± 1.017 χ^2/NDF : 2183.3/18

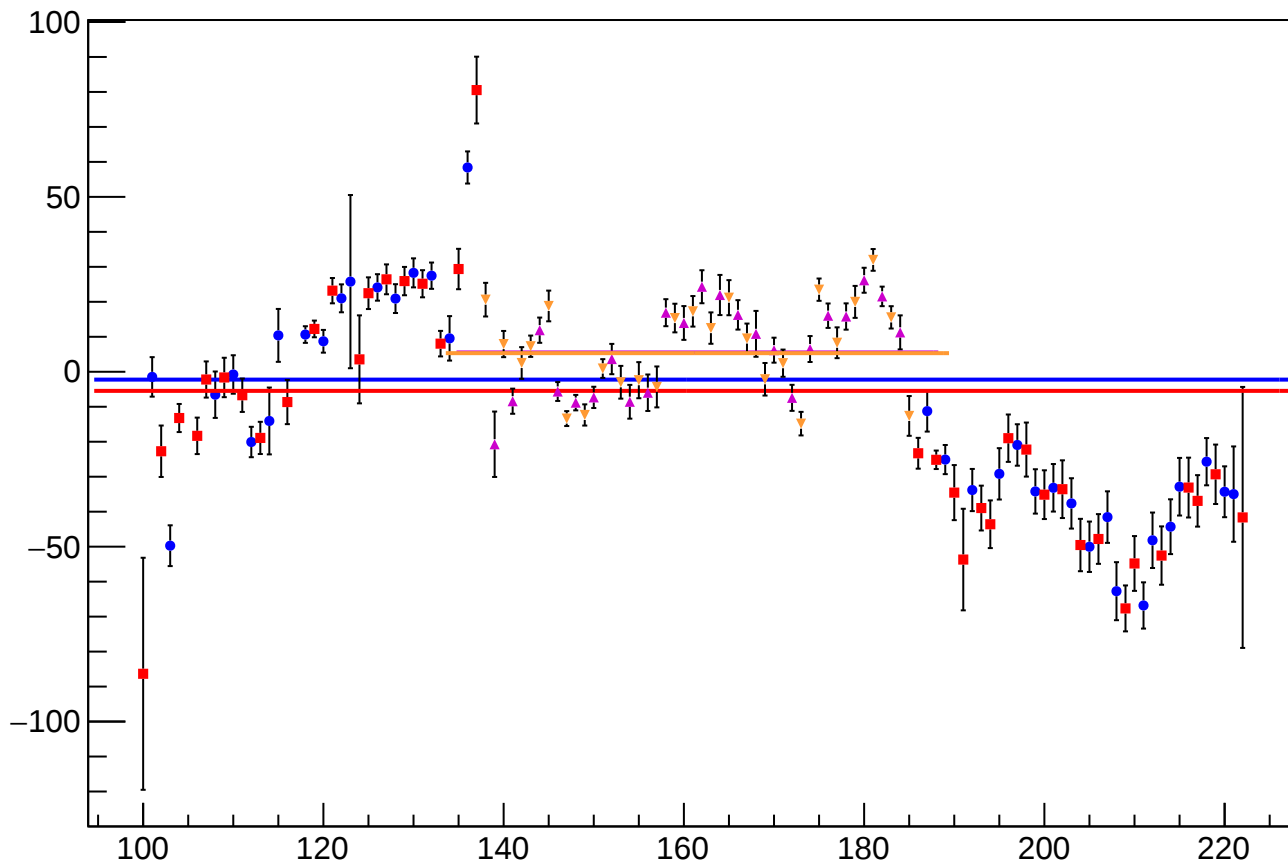
Left In: 183.984 ± 0.991 χ^2/NDF : 3613.7/22

+ sign 172.807 ± 0.718 χ^2/NDF : 6720.1/42

All: 178.344 ± 0.505 χ^2/NDF : 12635.0/84

- sign 183.763 ± 0.710 χ^2/NDF : 5797.1/41

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.243 ± 0.891 χ^2/NDF : 1026.5/34

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -5.462 ± 0.851 χ^2/NDF : 959.4/37

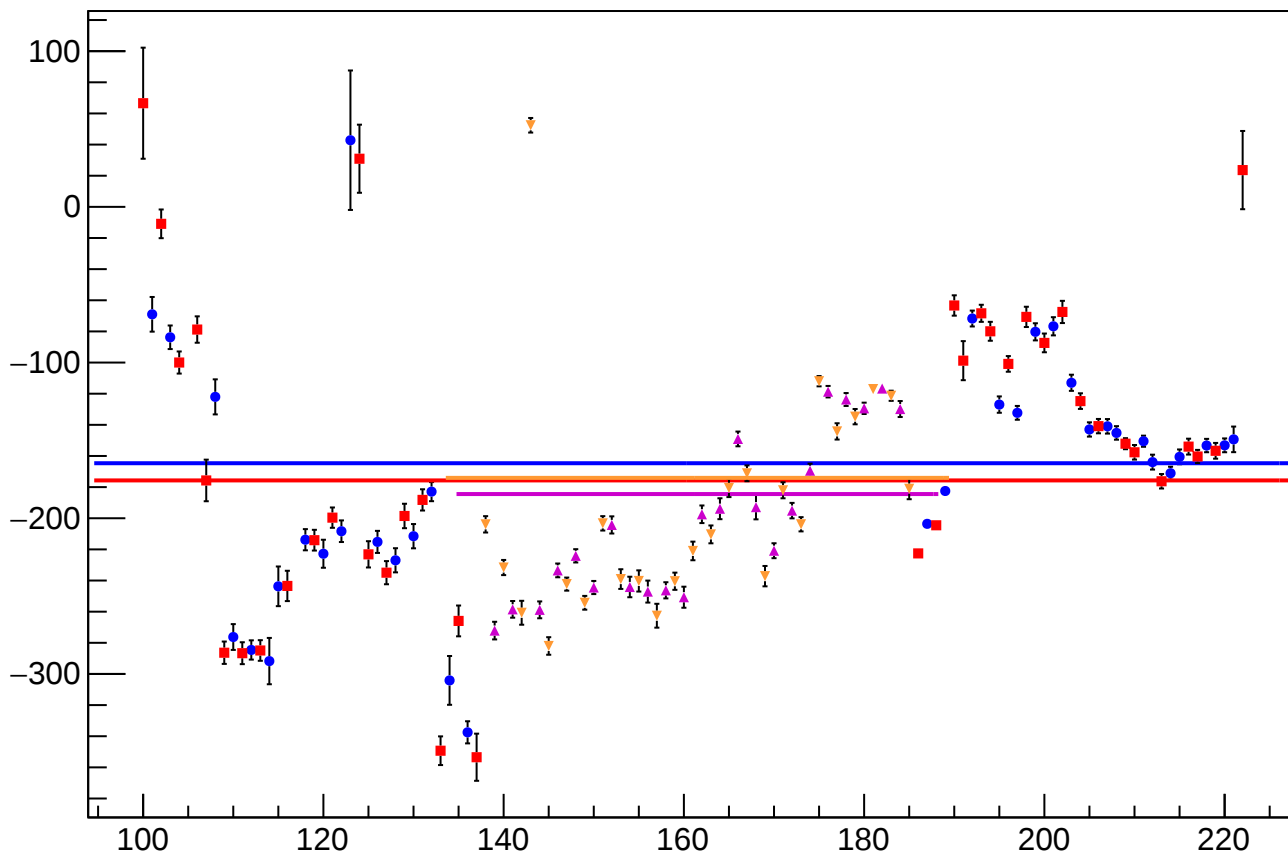
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 2.199 ± 0.573 χ^2/NDF : 1414.3/59

All: 1.353 ± 0.406 χ^2/NDF : 2724.9/120

- sign 0.500 ± 0.575 χ^2/NDF : 1306.3/60

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -164.657 ± 0.923 $\chi^2/\text{NDF}: 3162.1/34$

Left Out: -174.061 ± 0.971 $\chi^2/\text{NDF}: 5443.3/24$

Right Out: -175.697 ± 0.836 $\chi^2/\text{NDF}: 5097.6/37$

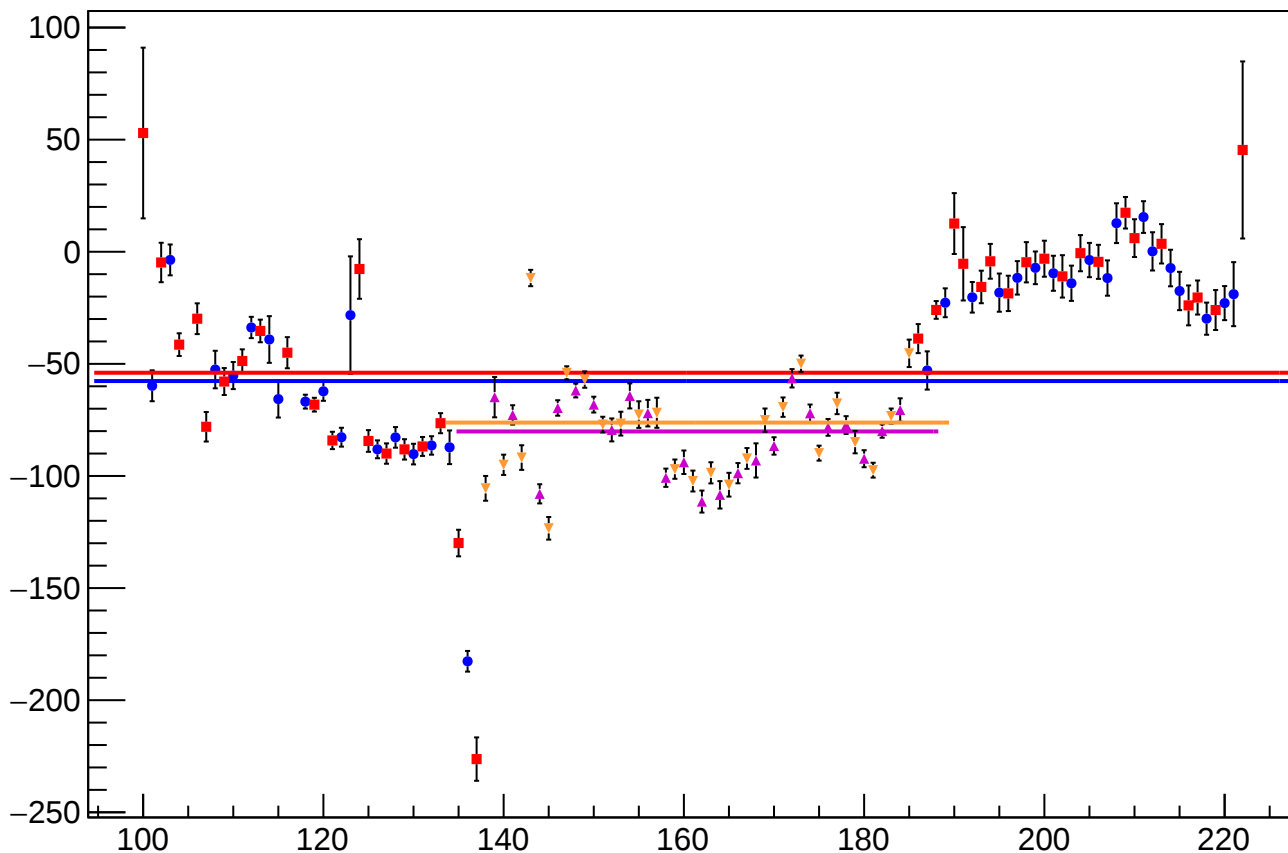
Left In: -184.456 ± 0.991 $\chi^2/\text{NDF}: 3051.6/22$

+ sign -169.122 ± 0.669 $\chi^2/\text{NDF}: 8654.6/59$

All: -174.466 ± 0.462 $\chi^2/\text{NDF}: 16971.5/120$

- sign -179.340 ± 0.639 $\chi^2/\text{NDF}: 8194.9/60$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -57.663 ± 1.029 $\chi^2/\text{NDF}: 1714.1/34$

Left Out: -76.182 ± 0.857 $\chi^2/\text{NDF}: 801.0/24$

Right Out: -53.956 ± 1.002 $\chi^2/\text{NDF}: 1507.0/37$

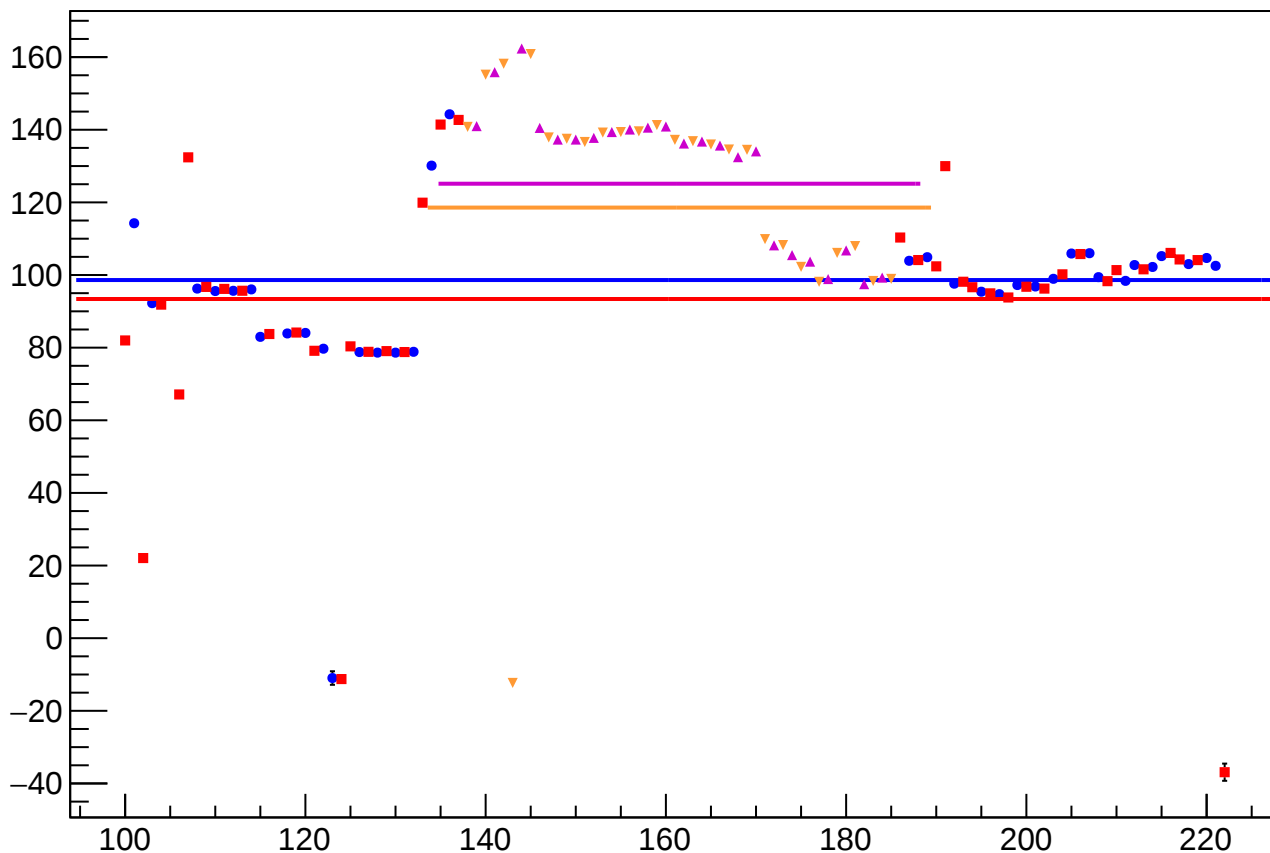
Left In: -80.149 ± 0.889 $\chi^2/\text{NDF}: 283.3/22$

+ sign -68.598 ± 0.659 $\chi^2/\text{NDF}: 2706.2/59$

All: -68.607 ± 0.468 $\chi^2/\text{NDF}: 4878.6/120$

- sign -68.615 ± 0.665 $\chi^2/\text{NDF}: 2172.4/60$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.615 $\pm$ 0.052 χ^2/NDF : 96846.0/34

Left Out: 118.569 $\pm$ 0.040 χ^2/NDF : 728689.7/24

Right Out: 93.395 $\pm$ 0.049 χ^2/NDF : 248982.4/37

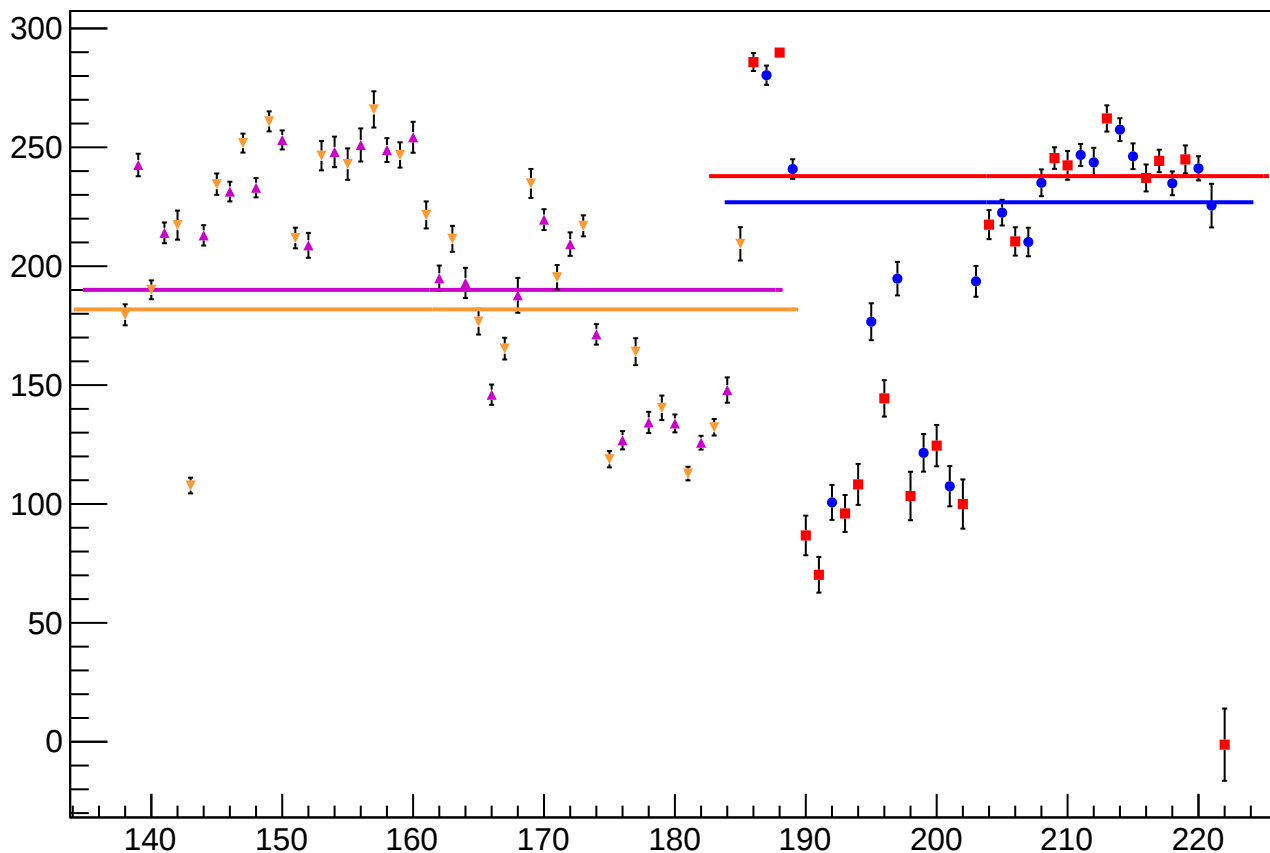
Left In: 125.139 $\pm$ 0.041 χ^2/NDF : 220927.1/22

+ sign 111.044 $\pm$ 0.032 χ^2/NDF : 917101.9/59

All: 111.578 $\pm$ 0.023 χ^2/NDF : 1630381.6/120

- sign 112.102 $\pm$ 0.032 χ^2/NDF : 712727.1/60

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 226.899 $\pm$ 1.331 χ^2 /NDF: 1047.0/17

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF: 3303.4/24

Right Out: 237.883 $\pm$ 1.205 χ^2 /NDF: 3158.7/18

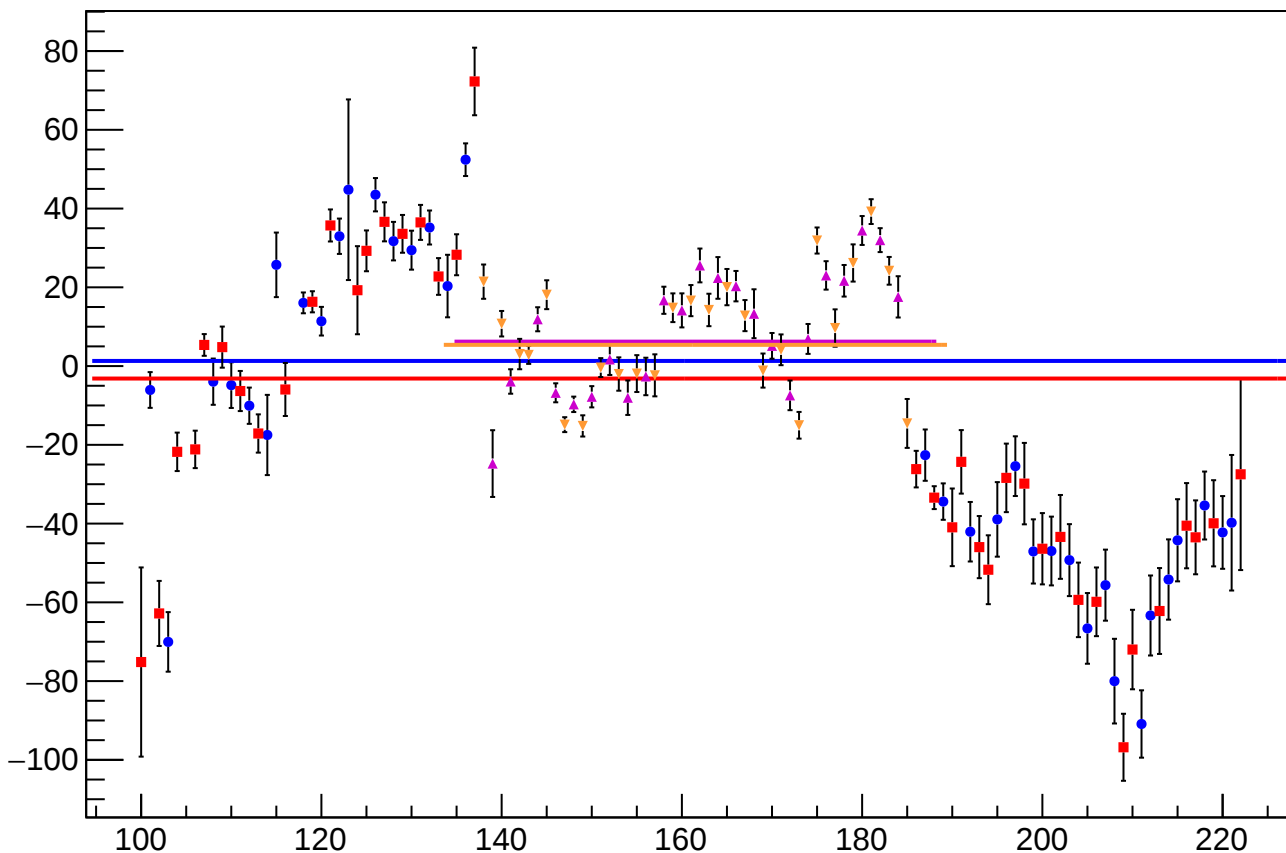
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF: 2438.4/22

+ sign 196.275 $\pm$ 0.753 χ^2 /NDF: 5129.4/42

All: 202.411 $\pm$ 0.530 χ^2 /NDF: 11828.1/84

- sign 208.455 $\pm$ 0.747 χ^2 /NDF: 6566.9/41

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.305 ± 1.003 χ^2/NDF : 1232.6/34

Left Out: 5.394 ± 0.688 χ^2/NDF : 526.5/24

Right Out: -3.166 ± 0.913 χ^2/NDF : 1229.4/37

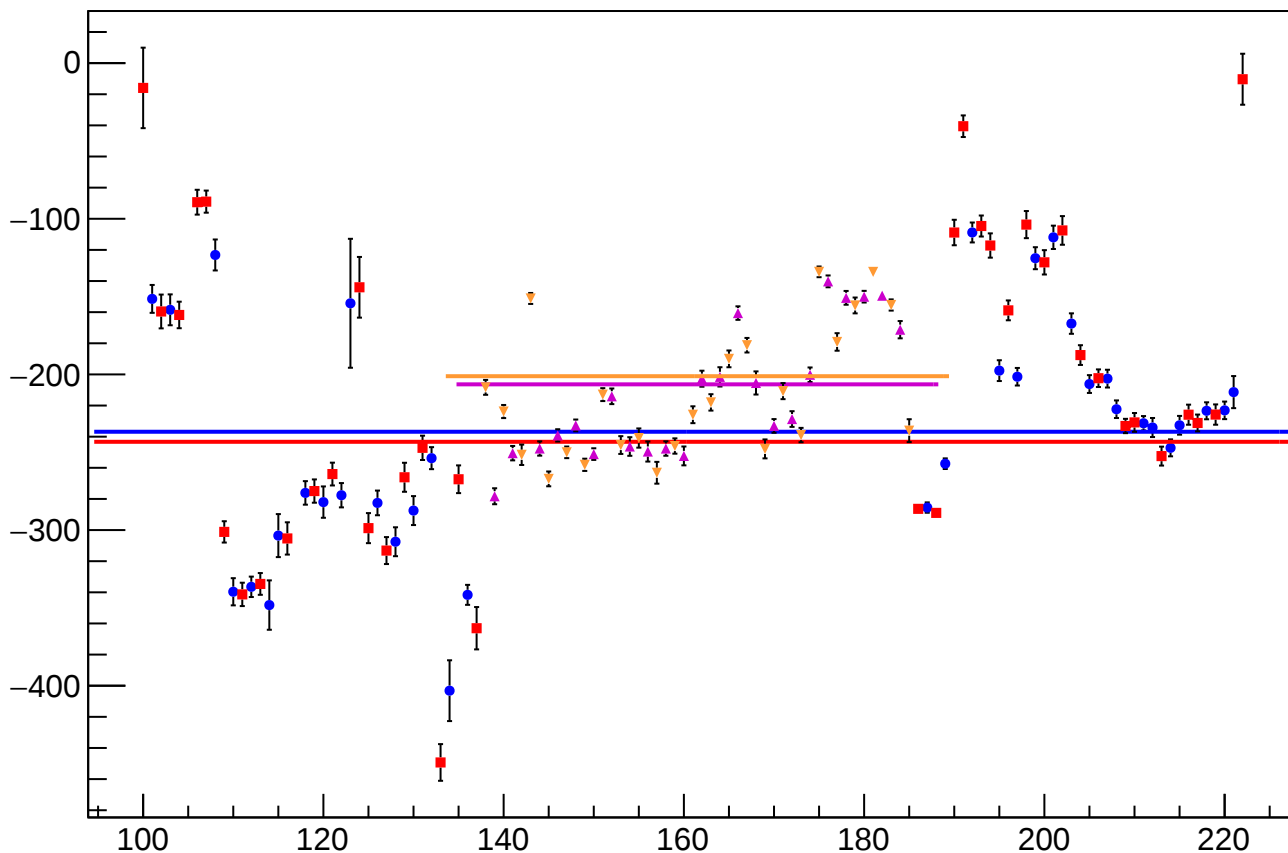
Left In: 6.206 ± 0.732 χ^2/NDF : 407.5/22

+ sign 4.086 ± 0.567 χ^2/NDF : 1770.4/59

All: 3.319 ± 0.402 χ^2/NDF : 3475.2/120

- sign 2.542 ± 0.571 χ^2/NDF : 1701.1/60

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -236.832 ± 1.101 χ^2/NDF : 2726.8/34

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -243.289 ± 0.953 χ^2/NDF : 6062.8/37

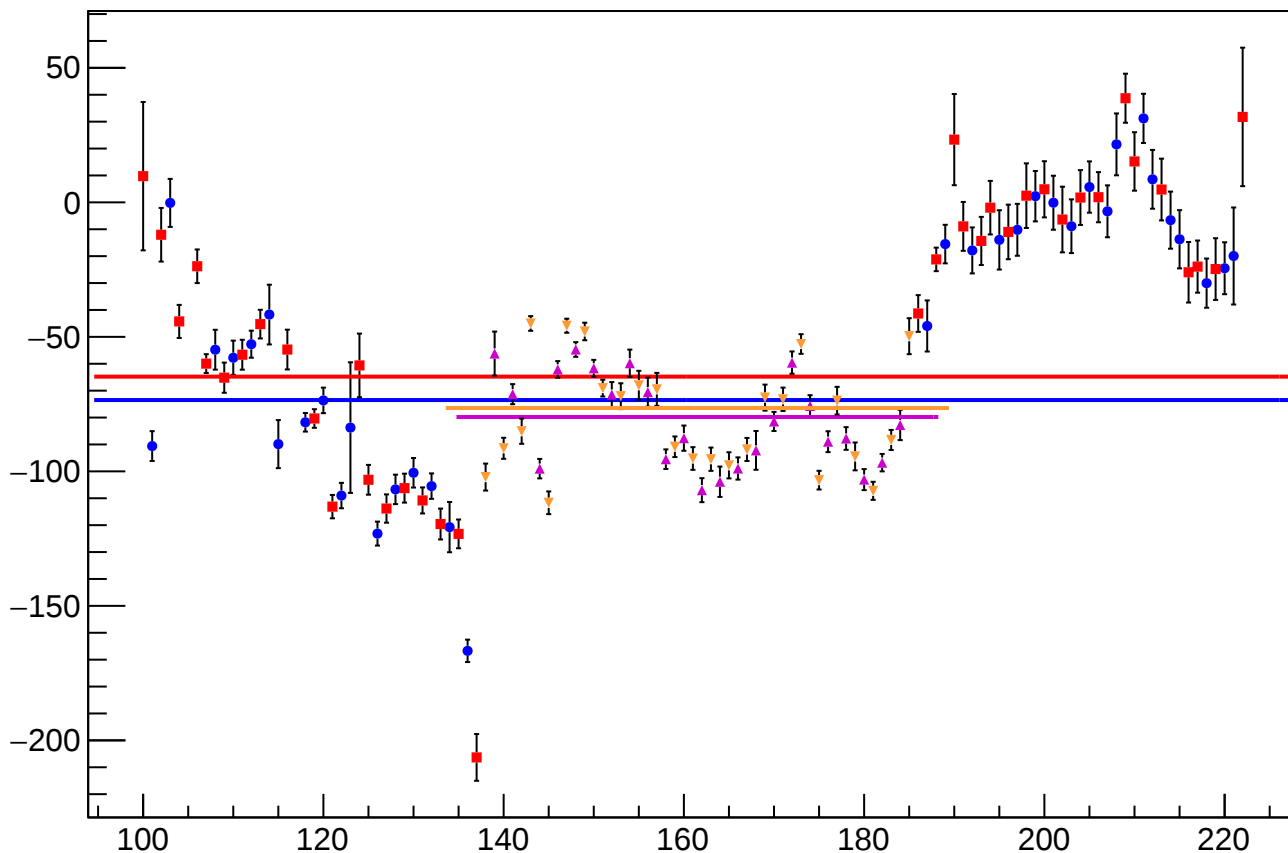
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -215.782 ± 0.705 χ^2/NDF : 5835.8/59

All: -220.483 ± 0.487 χ^2/NDF : 14847.7/120

- sign -224.765 ± 0.673 χ^2/NDF : 8927.0/60

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -73.492 ± 1.161 $\chi^2/\text{NDF}: 1792.0/34$

Left Out: -76.460 ± 0.797 $\chi^2/\text{NDF}: 781.3/24$

Right Out: -64.785 ± 1.083 $\chi^2/\text{NDF}: 1758.1/37$

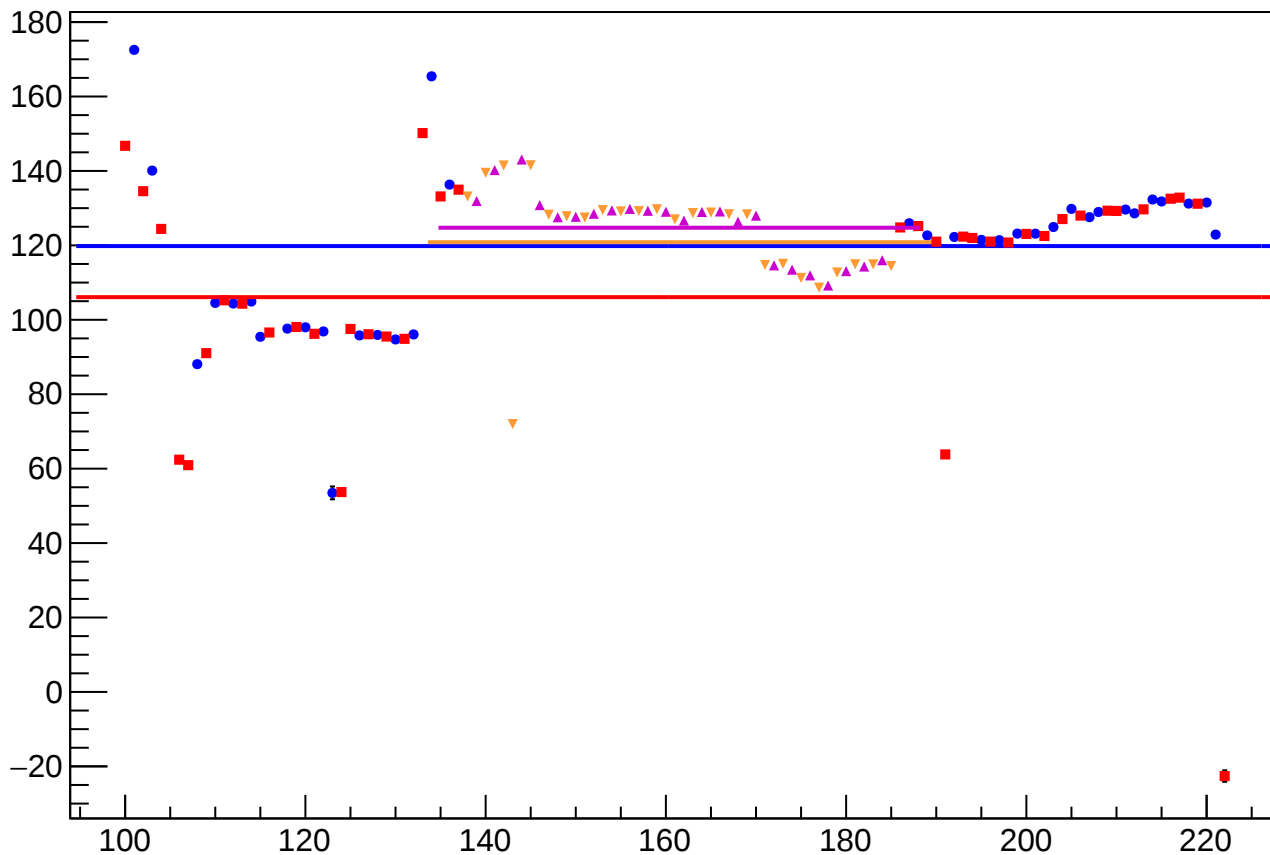
Left In: -79.792 ± 0.840 $\chi^2/\text{NDF}: 412.3/22$

+ sign -75.510 ± 0.657 $\chi^2/\text{NDF}: 2577.7/59$

All: -74.841 ± 0.467 $\chi^2/\text{NDF}: 4870.1/120$

- sign -74.158 ± 0.664 $\chi^2/\text{NDF}: 2290.3/60$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.806 $\pm$ 0.060 χ^2 /NDF: 112791.2/34

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF: 182759.1/24

Right Out: 106.084 $\pm$ 0.053 χ^2 /NDF: 262285.9/37

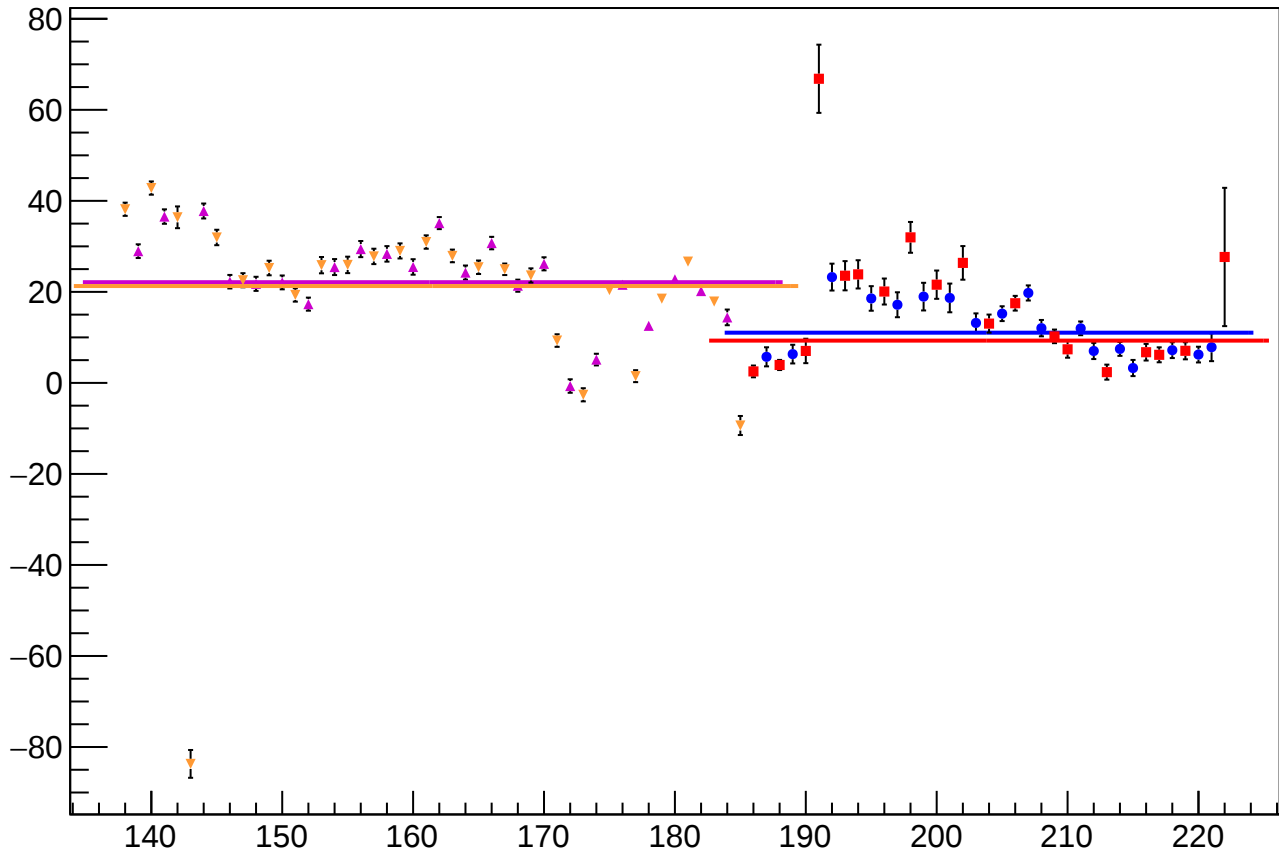
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 120.554 $\pm$ 0.032 χ^2 /NDF: 295768.8/59

All: 119.358 $\pm$ 0.023 χ^2 /NDF: 691249.0/120

- sign 118.200 $\pm$ 0.032 χ^2 /NDF: 392754.4/60

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 11.034 $\pm$ 0.466 χ^2 /NDF: 133.5/17

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF: 2600.5/24

Right Out: 9.292 $\pm$ 0.454 χ^2 /NDF: 304.7/18

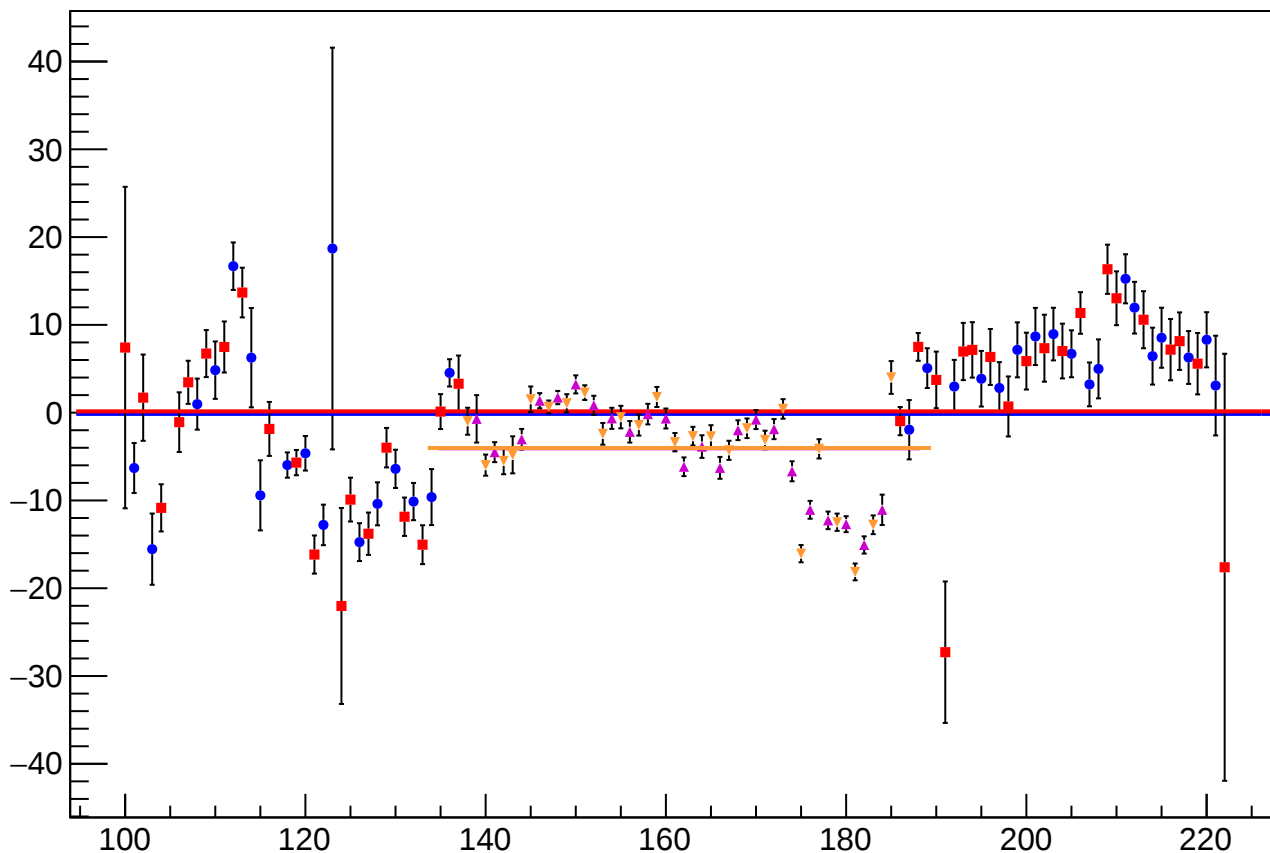
Left In: 22.127 $\pm$ 0.285 χ^2 /NDF: 900.2/22

+ sign 18.527 $\pm$ 0.241 χ^2 /NDF: 3088.0/42

All: 18.509 $\pm$ 0.171 χ^2 /NDF: 4865.3/84

- sign 18.492 $\pm$ 0.242 χ^2 /NDF: 1777.3/41

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.141 ± 0.454 χ^2/NDF : 342.6/34

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: 0.151 ± 0.437 χ^2/NDF : 418.7/37

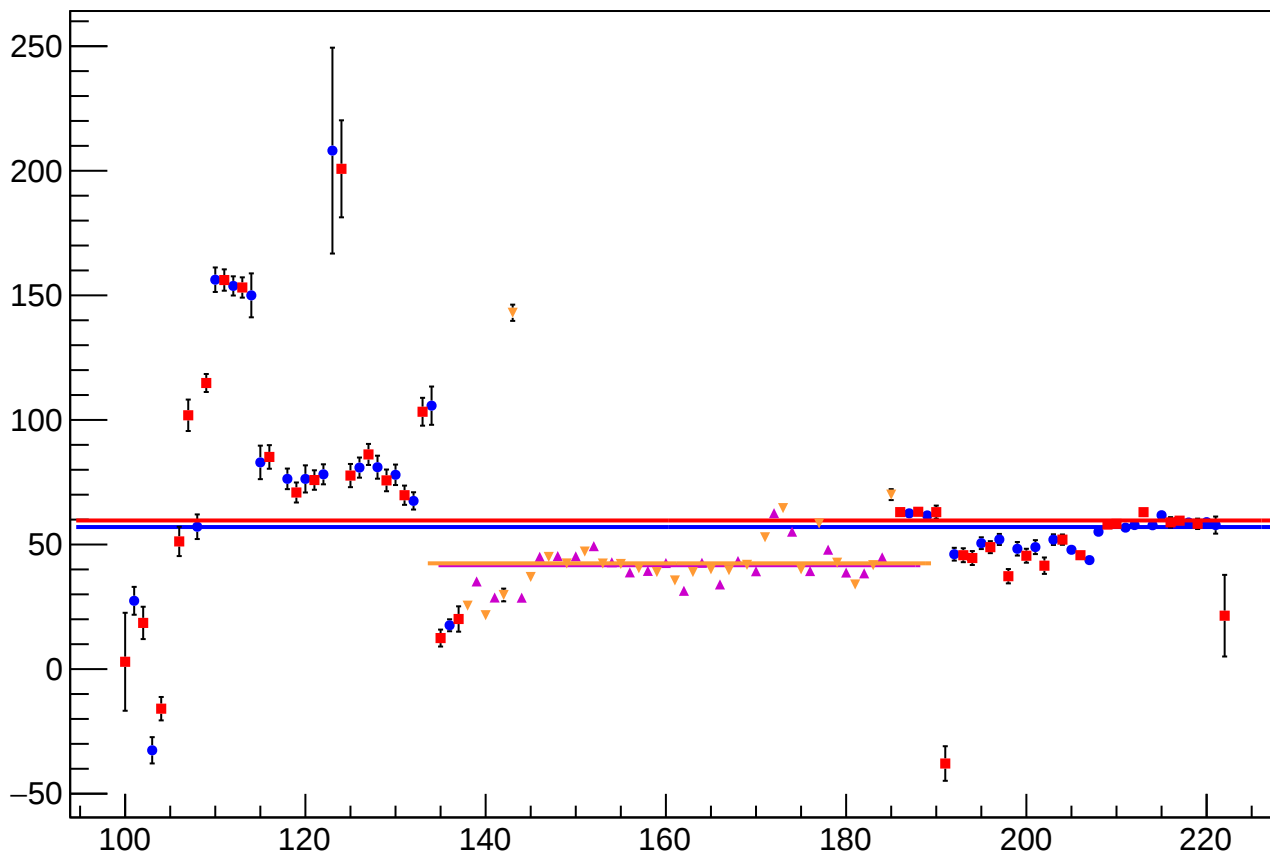
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.267 ± 0.200 χ^2/NDF : 1135.6/59

All: -3.213 ± 0.142 χ^2/NDF : 2204.5/120

- sign -3.159 ± 0.202 χ^2/NDF : 1068.8/60

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 57.013 $\pm$ 0.424 χ^2 /NDF: 2144.6/34

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 59.652 $\pm$ 0.395 χ^2 /NDF: 2638.9/37

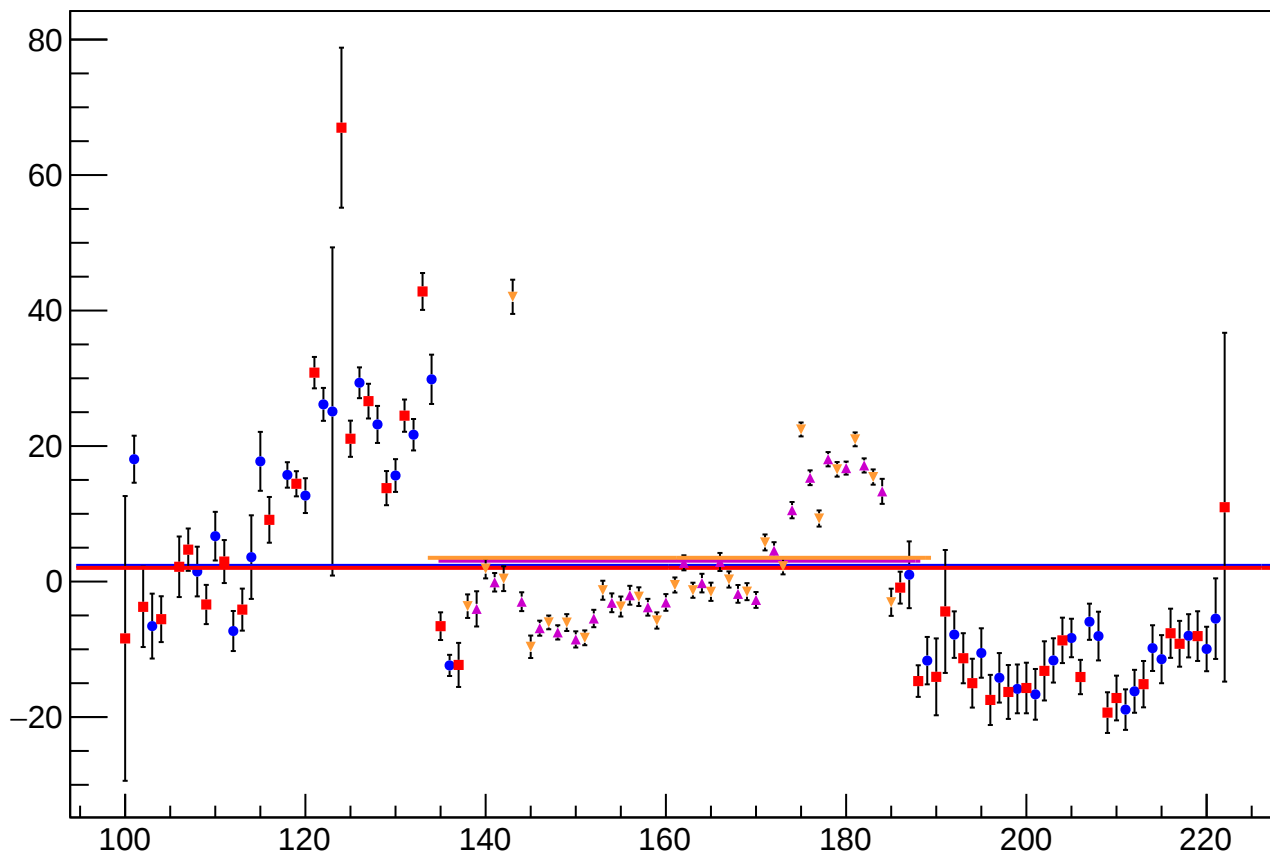
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 46.913 $\pm$ 0.235 χ^2 /NDF: 4977.7/59

All: 47.372 $\pm$ 0.165 χ^2 /NDF: 9616.0/120

- sign 47.816 $\pm$ 0.231 χ^2 /NDF: 4630.8/60

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 2.316 $\pm$ 0.514 χ^2 /NDF: 956.1/34

Left Out: 3.505 $\pm$ 0.252 χ^2 /NDF:1691.3/24

Right Out: 2.023 $\pm$ 0.510 χ^2 /NDF: 1130.6/37

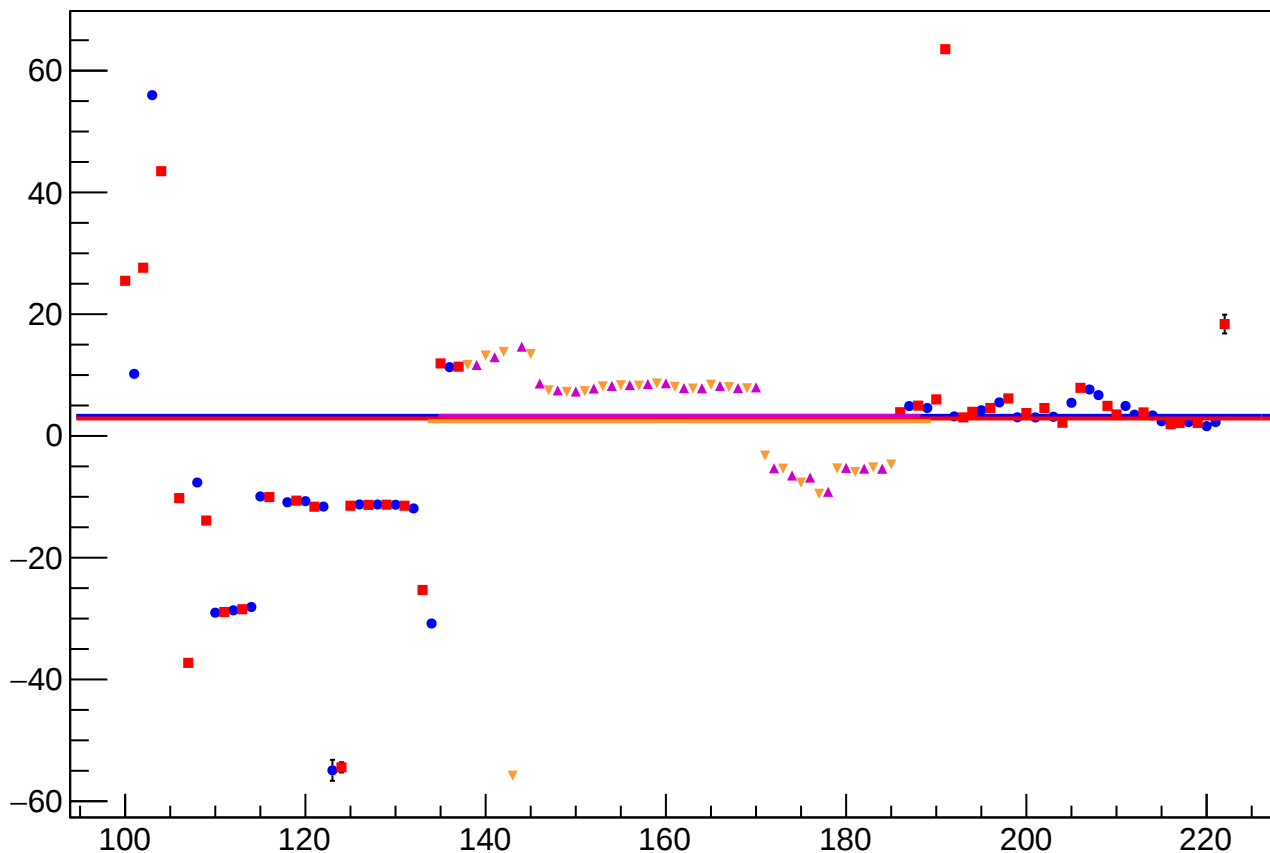
Left In: 3.081 $\pm$ 0.257 χ^2 /NDF:1265.7/22

+ sign 3.274 $\pm$ 0.227 χ^2 /NDF: 2651.7/59

All: 3.073 $\pm$ 0.161 χ^2 /NDF: 5053.0/120

- sign 2.867 $\pm$ 0.229 χ^2 /NDF: 2399.7/60

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 3.300 ± 0.024 χ^2/NDF : 362537.8/34

Left Out: 2.425 ± 0.012 χ^2/NDF : 616382.5/24

Right Out: 2.868 ± 0.024 χ^2/NDF : 434679.6/37

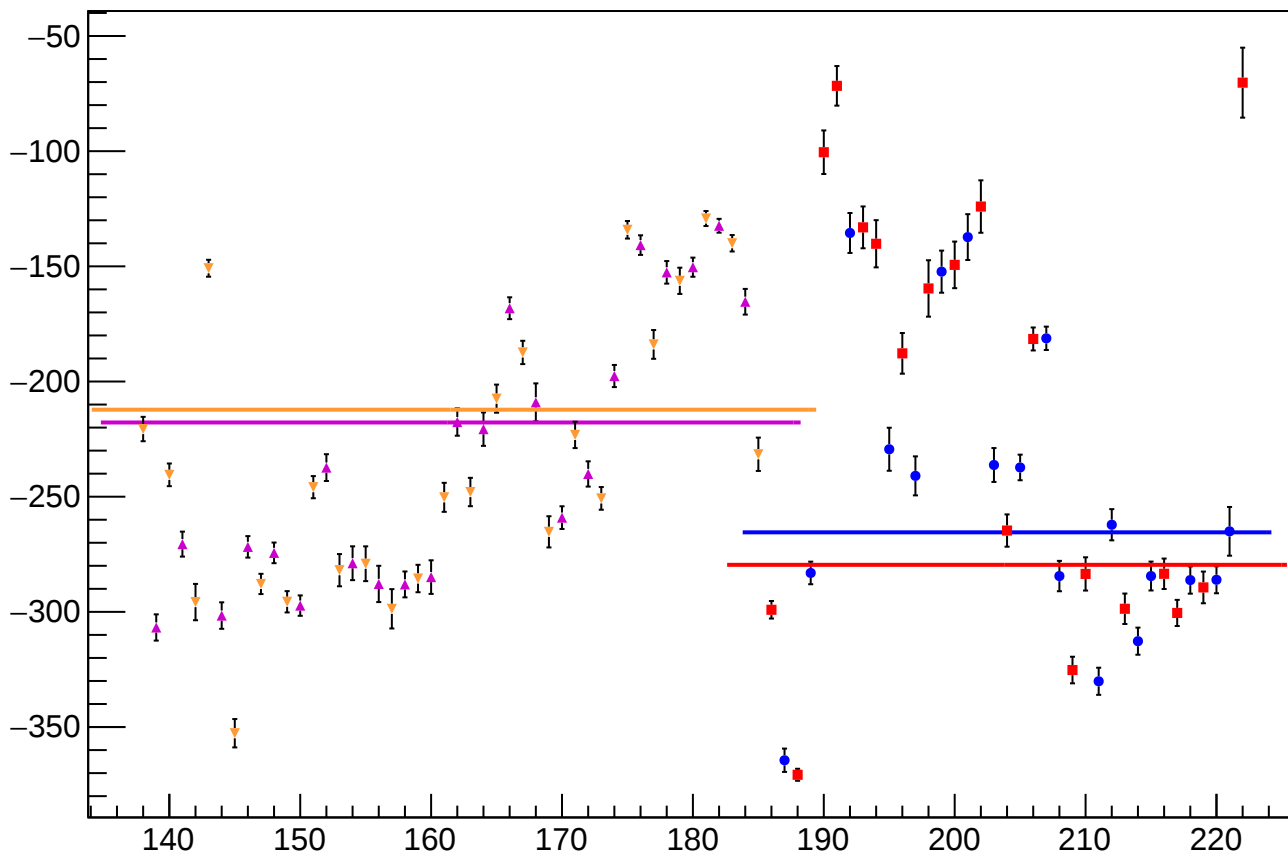
Left In: 3.293 ± 0.012 χ^2/NDF : 404323.8/22

+ sign 2.586 ± 0.010 χ^2/NDF : 979974.2/59

All: 2.898 ± 0.007 χ^2/NDF : 1821015.9/120

- sign 3.213 ± 0.011 χ^2/NDF : 839252.0/60

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -265.475+/-1.532 χ^2/NDF : 1507.0/17

Left Out: -212.231+/-1.029 χ^2/NDF : 3875.4/24

Right Out: -279.575+/-1.399 χ^2/NDF : 3857.9/18

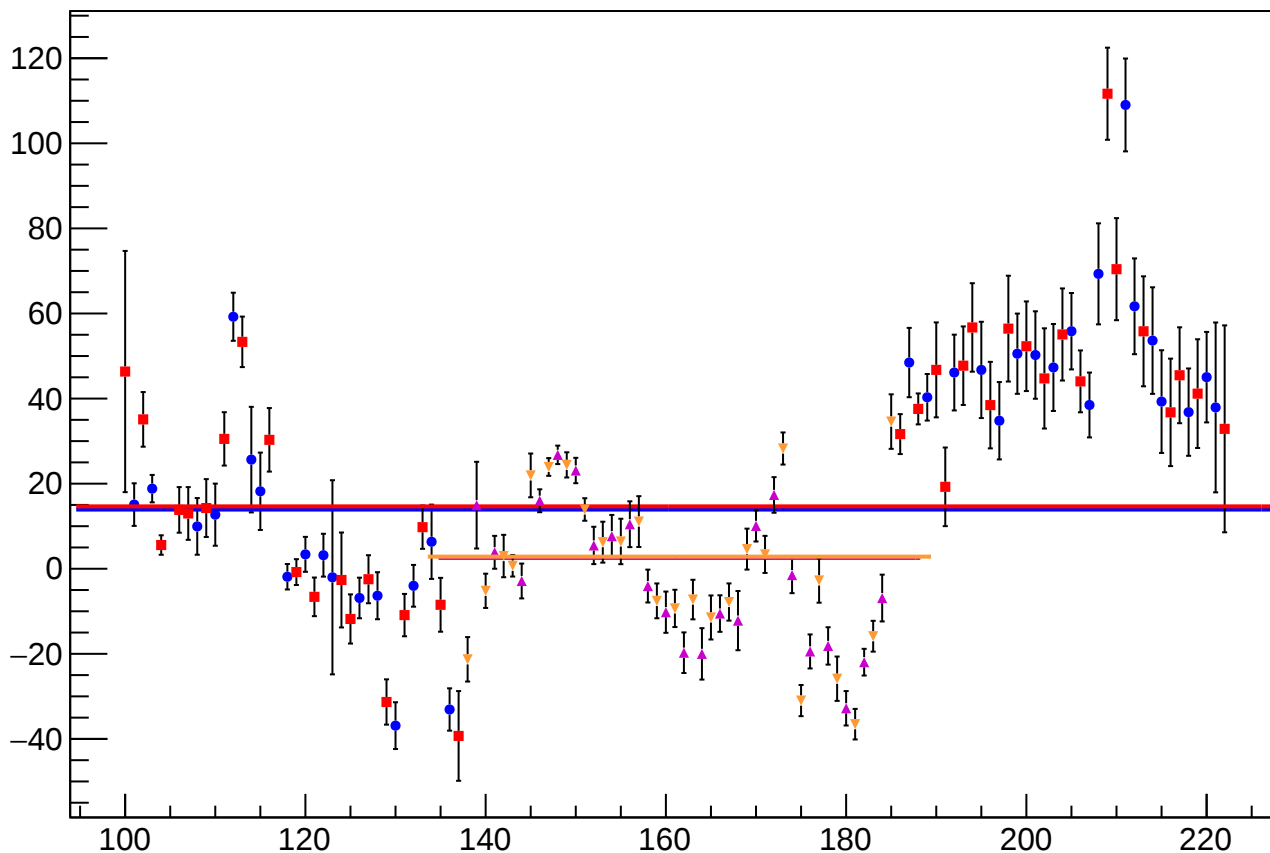
Left In: -217.779+/-1.067 χ^2/NDF : 3448.9/22

+ sign -228.788+/-0.854 χ^2/NDF : 6214.3/42

All: -234.685+/-0.602 χ^2/NDF : 14849.3/84

- sign -240.498+/-0.848 χ^2/NDF : 8540.5/41

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 13.911 ± 1.089 χ^2/NDF : 612.3/34

Left Out: 2.848 ± 0.775 χ^2/NDF : 582.1/24

Right Out: 14.662 ± 0.995 χ^2/NDF : 586.5/37

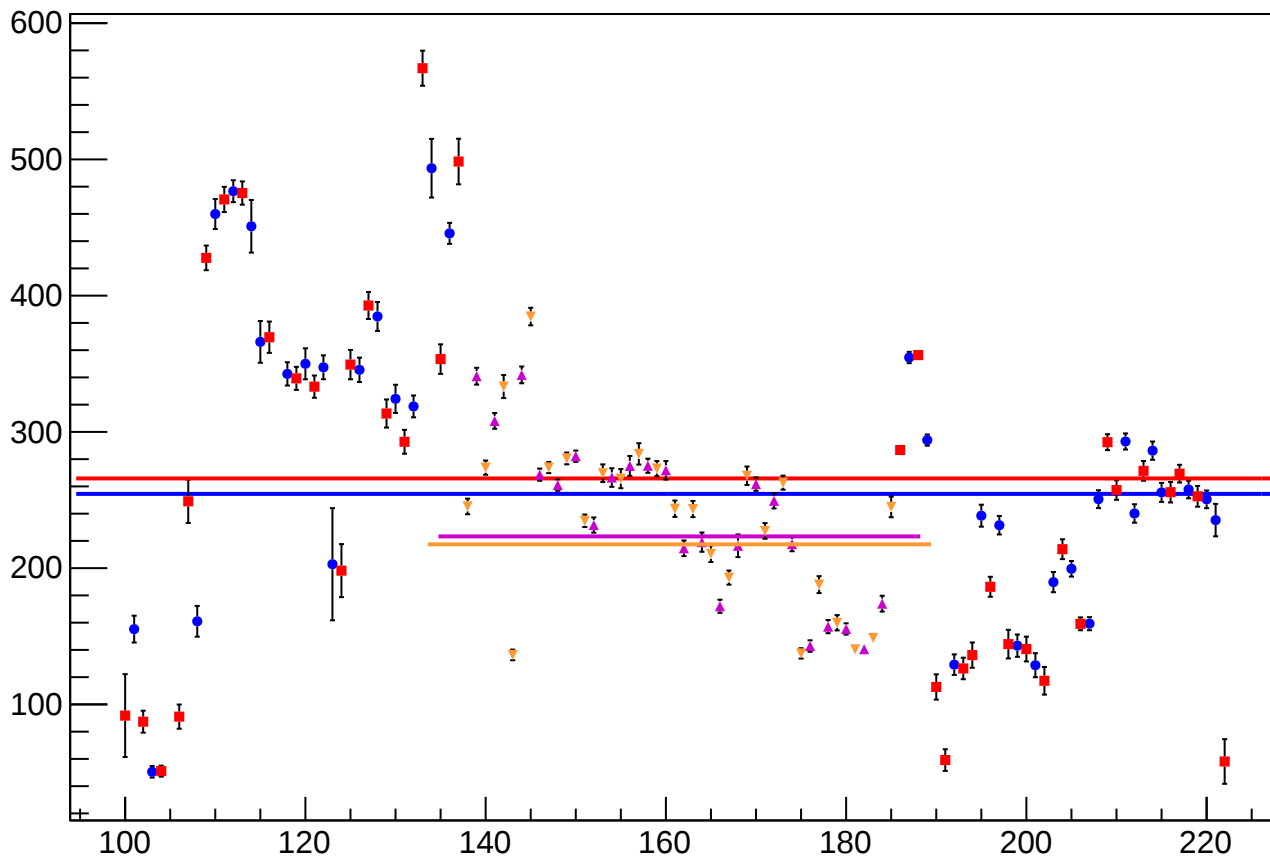
Left In: 2.540 ± 0.822 χ^2/NDF : 473.6/22

+ sign 6.563 ± 0.631 χ^2/NDF : 1262.9/59

All: 7.010 ± 0.447 χ^2/NDF : 2412.2/120

- sign 7.461 ± 0.634 χ^2/NDF : 1148.3/60

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 254.523 $\pm$ 1.224 χ^2 /NDF: 7144.1/34

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF:3769.5/24

Right Out: 265.852 $\pm$ 1.076 χ^2 /NDF: 11219.5/37

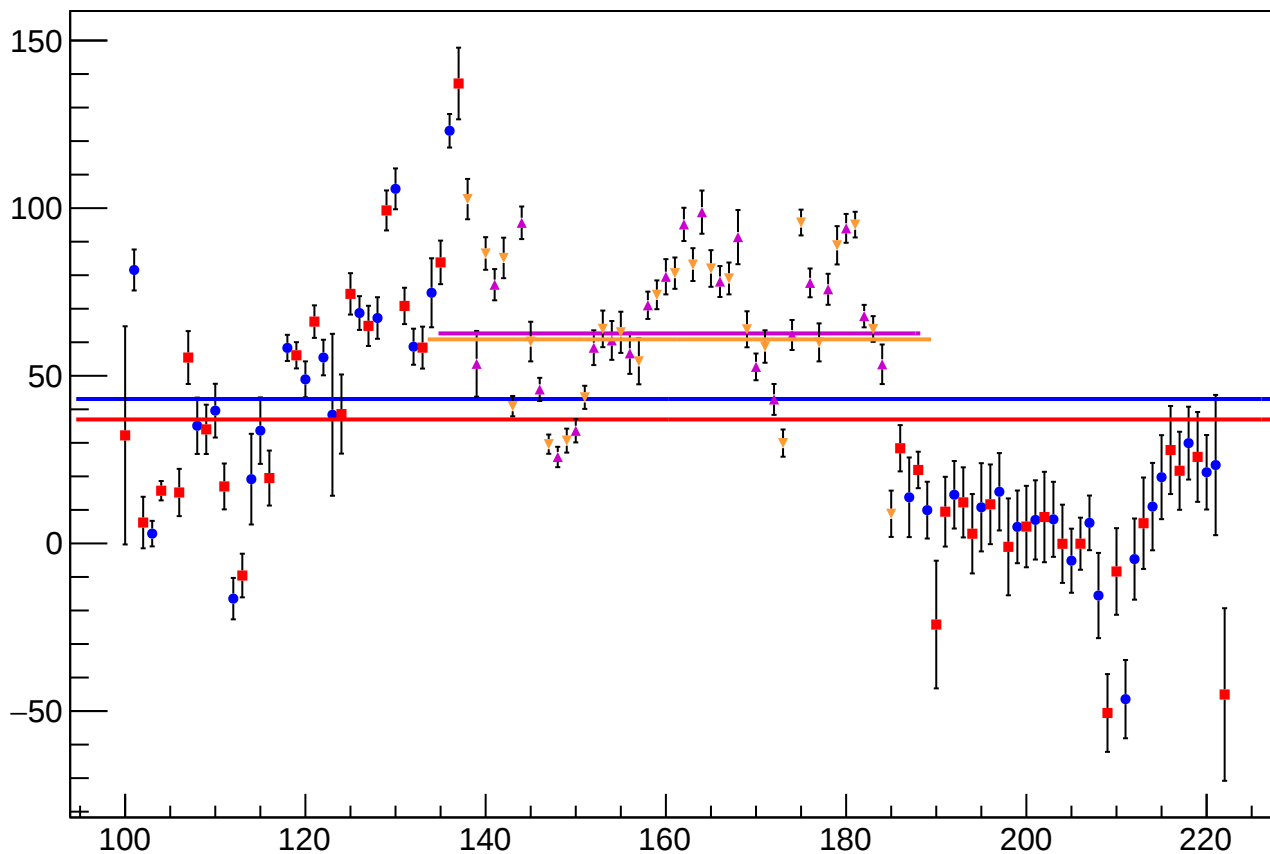
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF:3378.0/22

+ sign 232.880 $\pm$ 0.789 χ^2 /NDF: 11448.6/59

All: 238.833 $\pm$ 0.546 χ^2 /NDF: 26947.1/120

- sign 244.295 $\pm$ 0.756 χ^2 /NDF: 15389.3/60

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 43.075 $\pm$ 1.263 χ^2 /NDF: 922.5/34

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 36.981 $\pm$ 1.185 χ^2 /NDF: 752.0/37

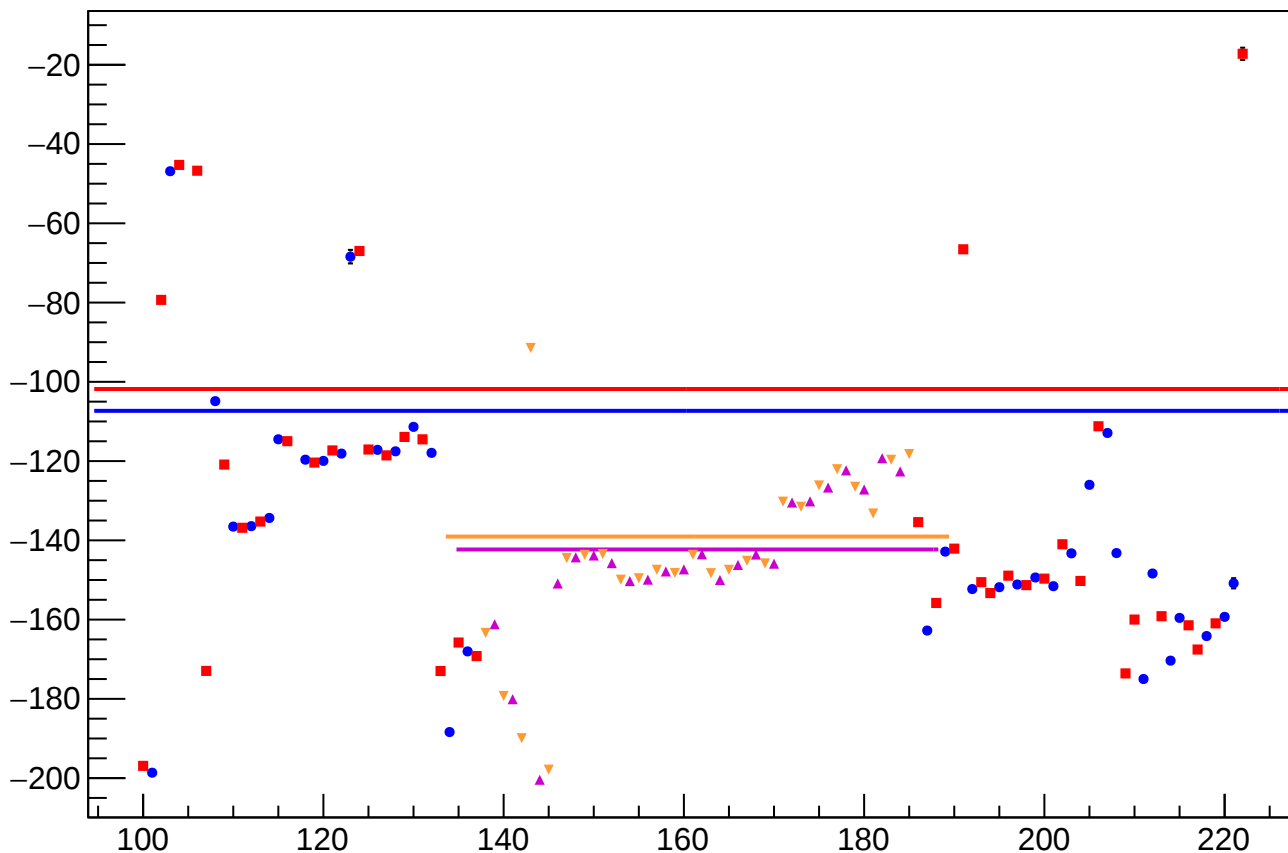
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 54.901 $\pm$ 0.731 χ^2 /NDF: 1786.1/59

All: 53.810 $\pm$ 0.519 χ^2 /NDF: 3345.0/120

- sign 52.700 $\pm$ 0.738 χ^2 /NDF: 1554.4/60

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -107.318 ± 0.057 $\chi^2/\text{NDF}: 752759.7/34$

Left Out: -139.040 ± 0.043 $\chi^2/\text{NDF}: 258113.4/24$

Right Out: -101.812 ± 0.054 $\chi^2/\text{NDF}: 788783.4/37$

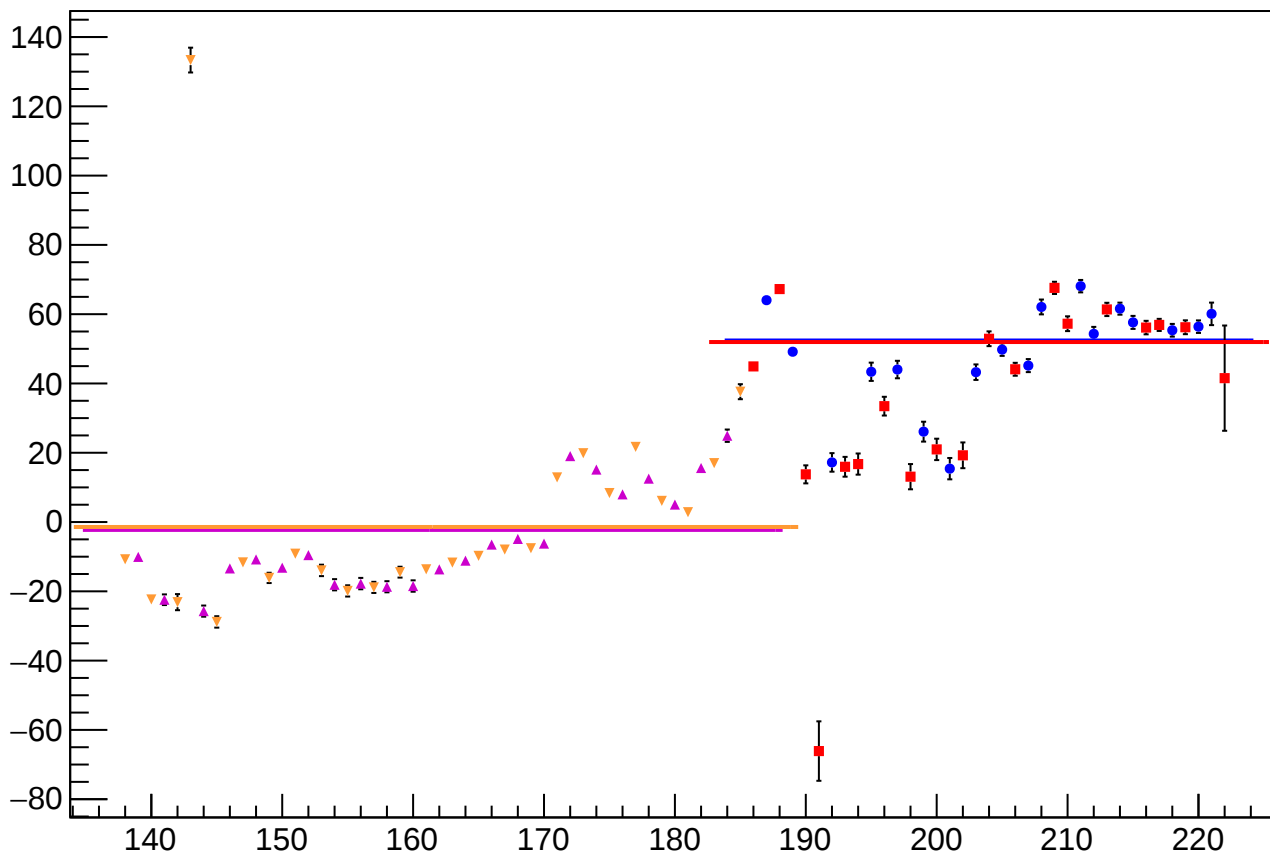
Left In: -142.305 ± 0.044 $\chi^2/\text{NDF}: 143351.8/22$

+ sign -127.528 ± 0.034 $\chi^2/\text{NDF}: 1209583.2/59$

All: -126.817 ± 0.024 $\chi^2/\text{NDF}: 2480148.2/12$

- sign -126.109 ± 0.034 $\chi^2/\text{NDF}: 1269703.4/60$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 52.401 $\pm$ 0.470 χ^2 /NDF: 678.5/17

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 51.961 $\pm$ 0.410 χ^2 /NDF: 1635.4/18

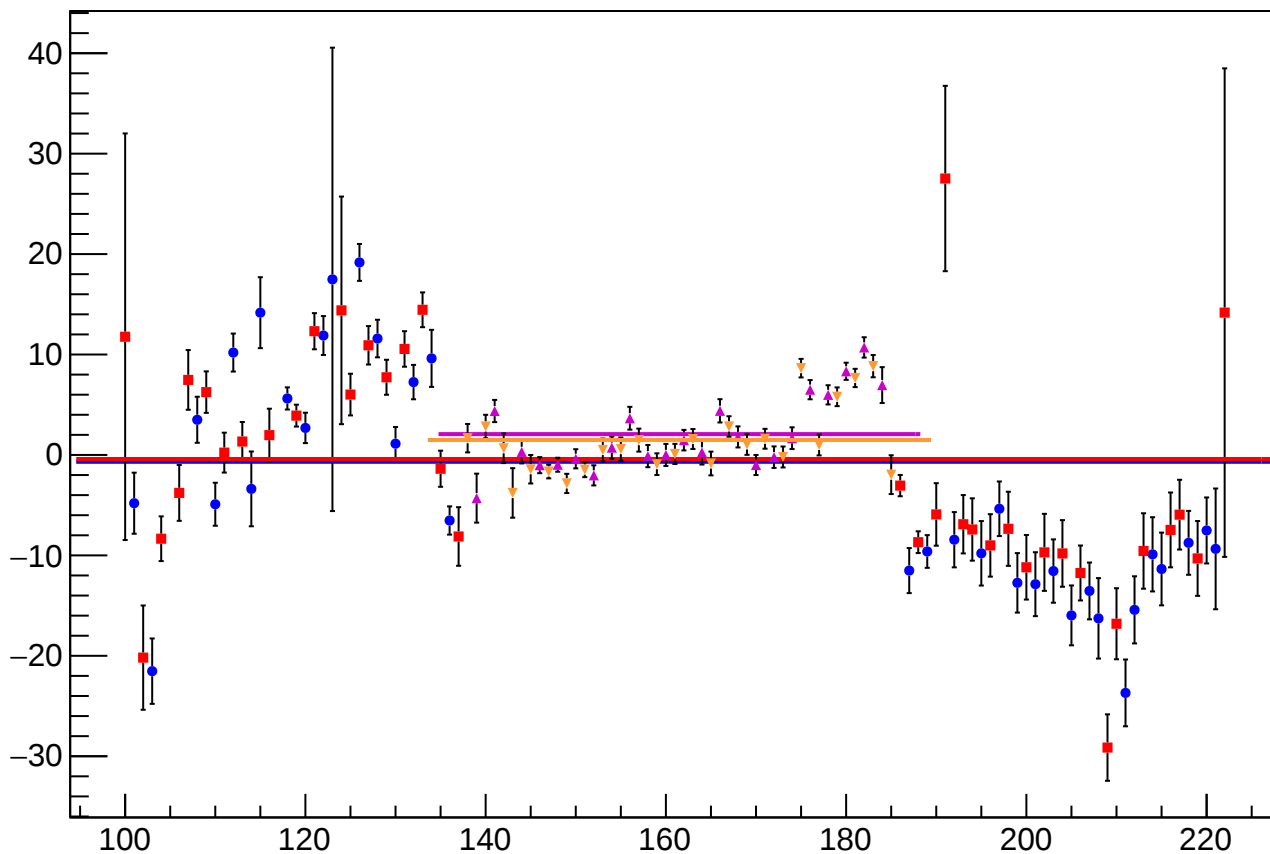
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 11.753 $\pm$ 0.233 χ^2 /NDF: 14922.4/42

All: 13.012 $\pm$ 0.162 χ^2 /NDF: 31322.3/84

- sign 14.200 $\pm$ 0.226 χ^2 /NDF: 16342.9/41

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.680 ± 0.390 χ^2/NDF : 667.4/34

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: -0.401 ± 0.363 χ^2/NDF : 558.2/37

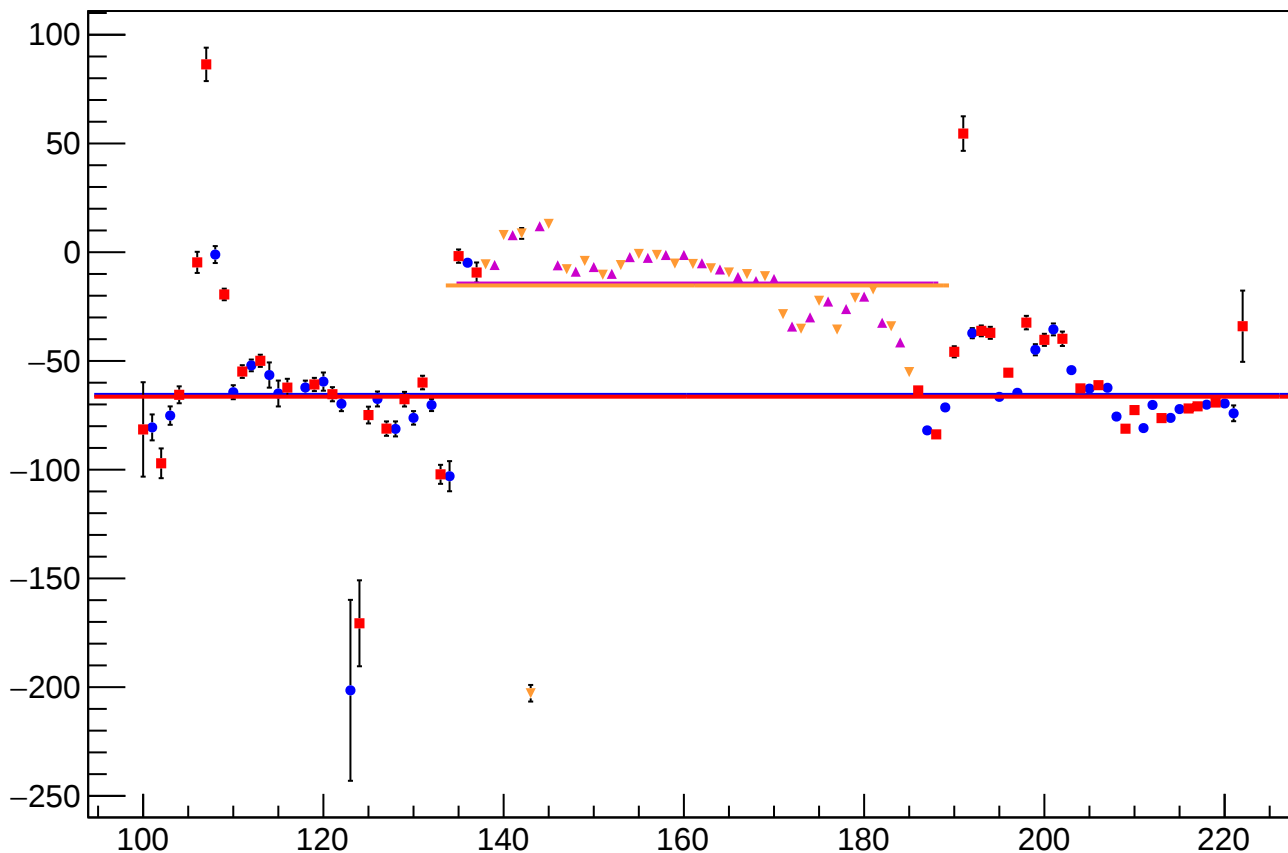
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.001 ± 0.185 χ^2/NDF : 950.6/59

All: 1.216 ± 0.131 χ^2/NDF : 1820.3/120

- sign 1.431 ± 0.185 χ^2/NDF : 867.1/60

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -65.605 ± 0.399 χ^2/NDF : 1925.5/34

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -66.430 ± 0.334 χ^2/NDF : 3437.6/37

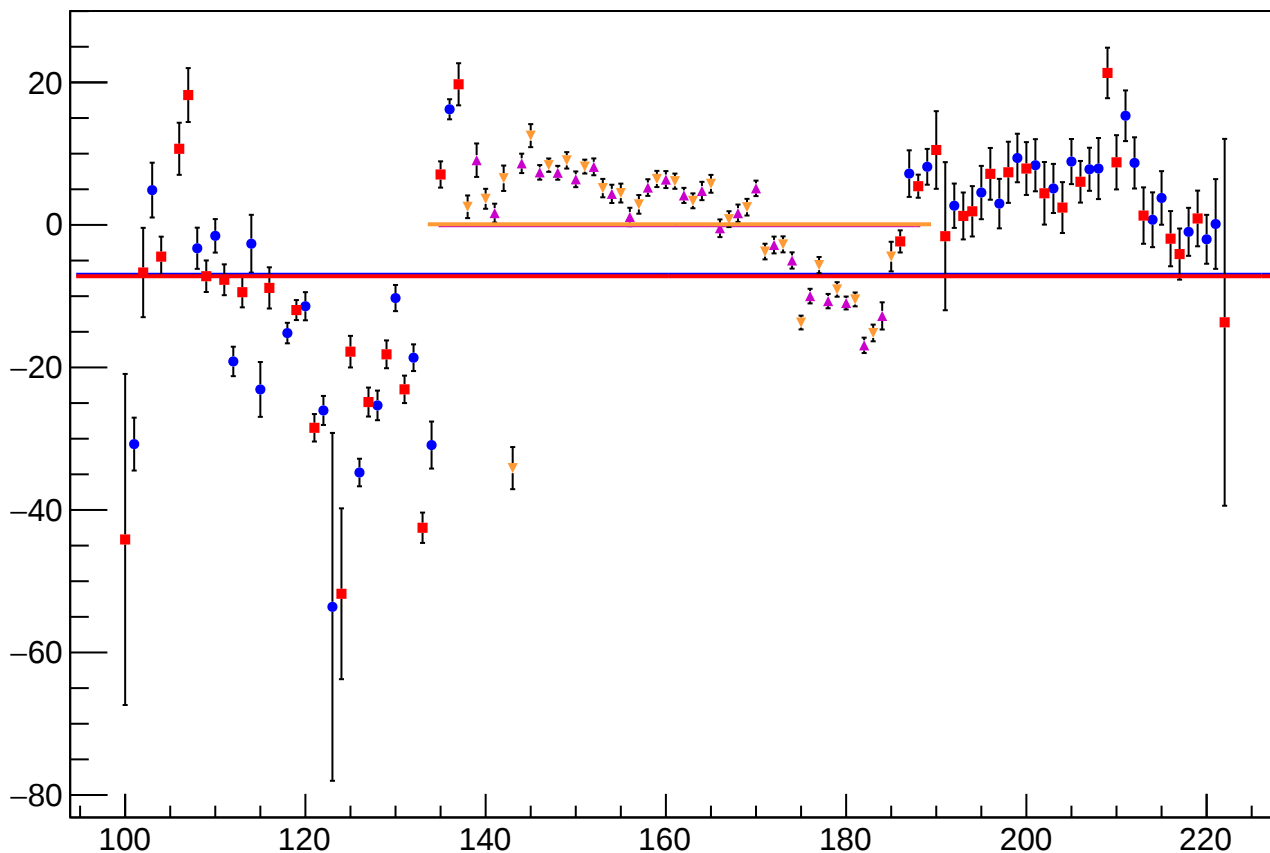
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -30.834 ± 0.222 χ^2/NDF : 17743.8/59

All: -32.962 ± 0.152 χ^2/NDF : 38083.9/120

- sign -34.863 ± 0.210 χ^2/NDF : 20165.8/60

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -6.993 ± 0.449 χ^2/NDF : 1162.5/34

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -7.203 ± 0.433 χ^2/NDF : 1104.5/37

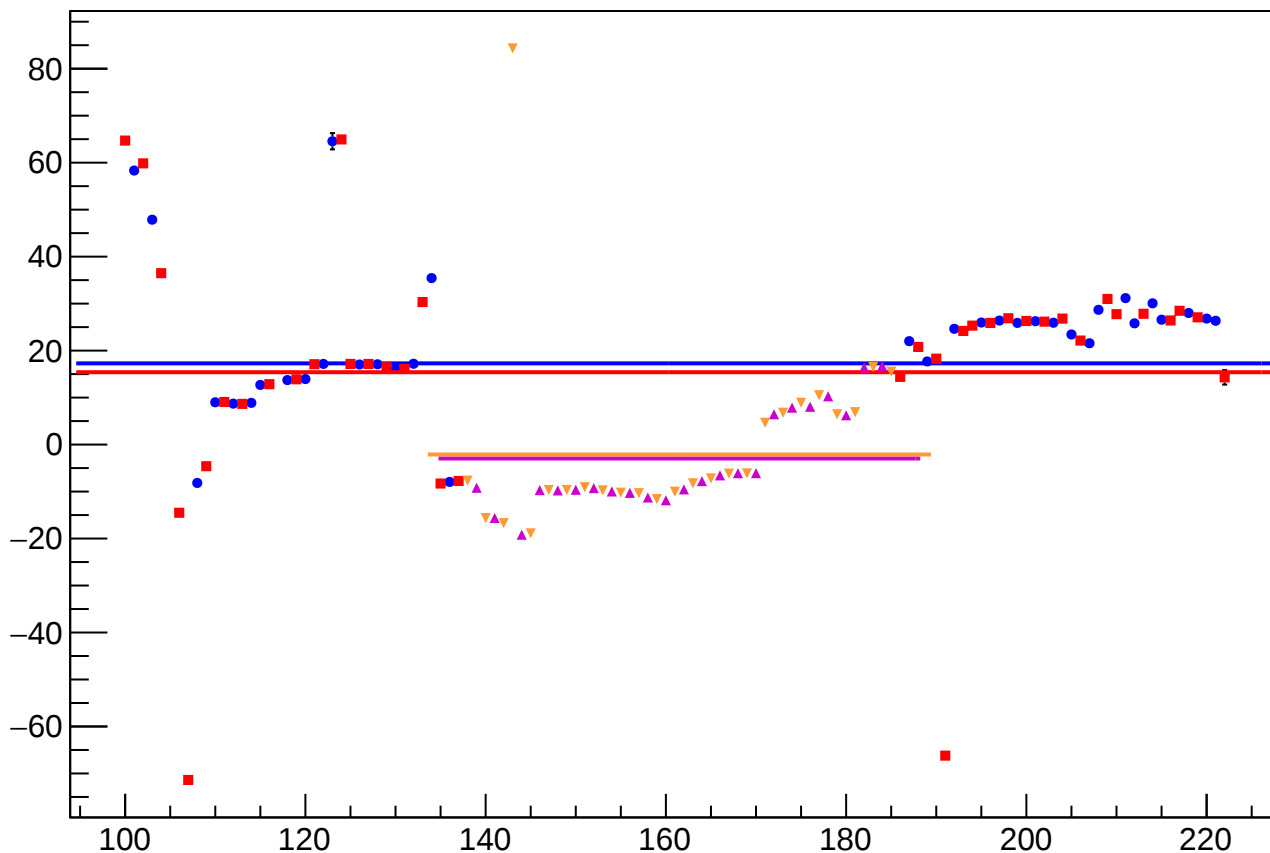
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.471 ± 0.210 χ^2/NDF : 2529.1/59

All: -1.614 ± 0.149 χ^2/NDF : 4870.6/120

- sign -1.759 ± 0.212 χ^2/NDF : 2340.5/60

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 17.283 ± 0.022 $\chi^2/\text{NDF}: 498503.7/34$

Left Out: -2.105 ± 0.011 $\chi^2/\text{NDF}: 1093120.2/24$

Right Out: 15.402 ± 0.022 $\chi^2/\text{NDF}: 776652.7/37$

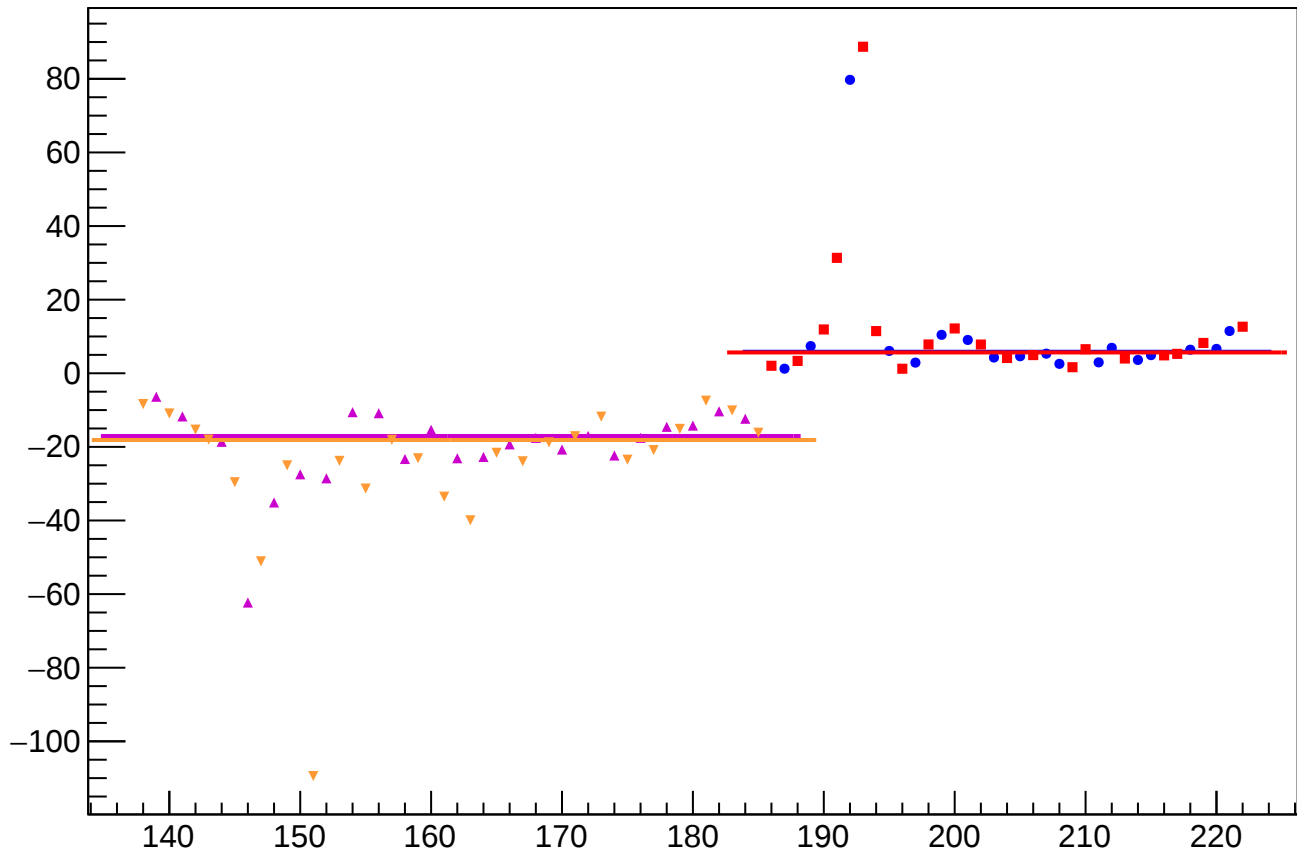
Left In: -2.959 ± 0.011 $\chi^2/\text{NDF}: 763000.9/22$

+ sign 1.628 ± 0.010 $\chi^2/\text{NDF}: 2198385.4/59$

All: 1.159 ± 0.007 $\chi^2/\text{NDF}: 4295735.8/120$

- sign 0.687 ± 0.010 $\chi^2/\text{NDF}: 2092767.2/60$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 5.845 ± 0.045 χ^2/NDF : 26873.7/17

Left Out: -18.128 ± 0.039 χ^2/NDF : 88551.6/24

Right Out: 5.660 ± 0.044 χ^2/NDF : 28025.3/18

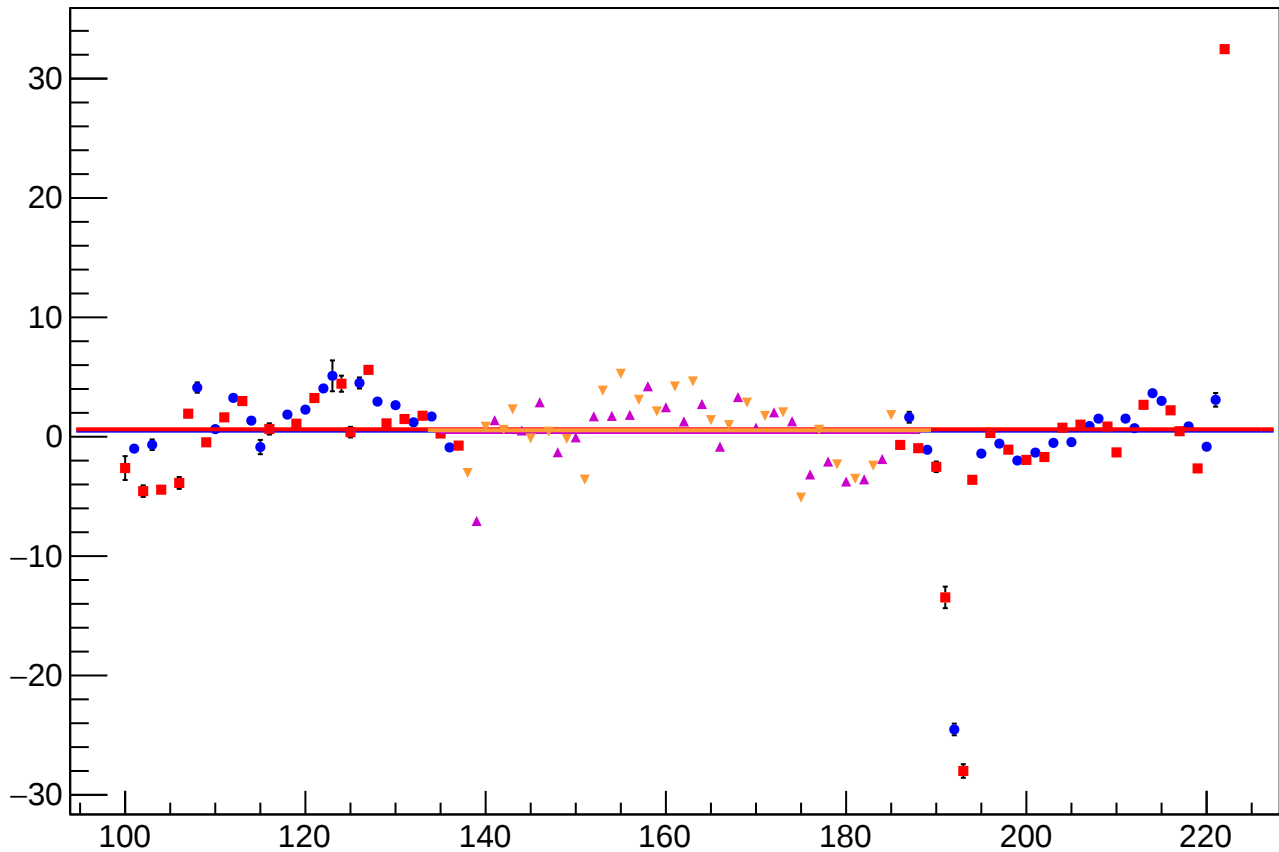
Left In: -17.038 ± 0.038 χ^2/NDF : 44141.1/22

+ sign -7.866 ± 0.029 χ^2/NDF : 277888.8/42

All: -7.623 ± 0.021 χ^2/NDF : 500654.7/84

- sign -7.388 ± 0.029 χ^2/NDF : 222632.2/41

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.510 ± 0.045 χ^2/NDF : 4032.9/34

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.623 ± 0.043 χ^2/NDF : 11828.8/37

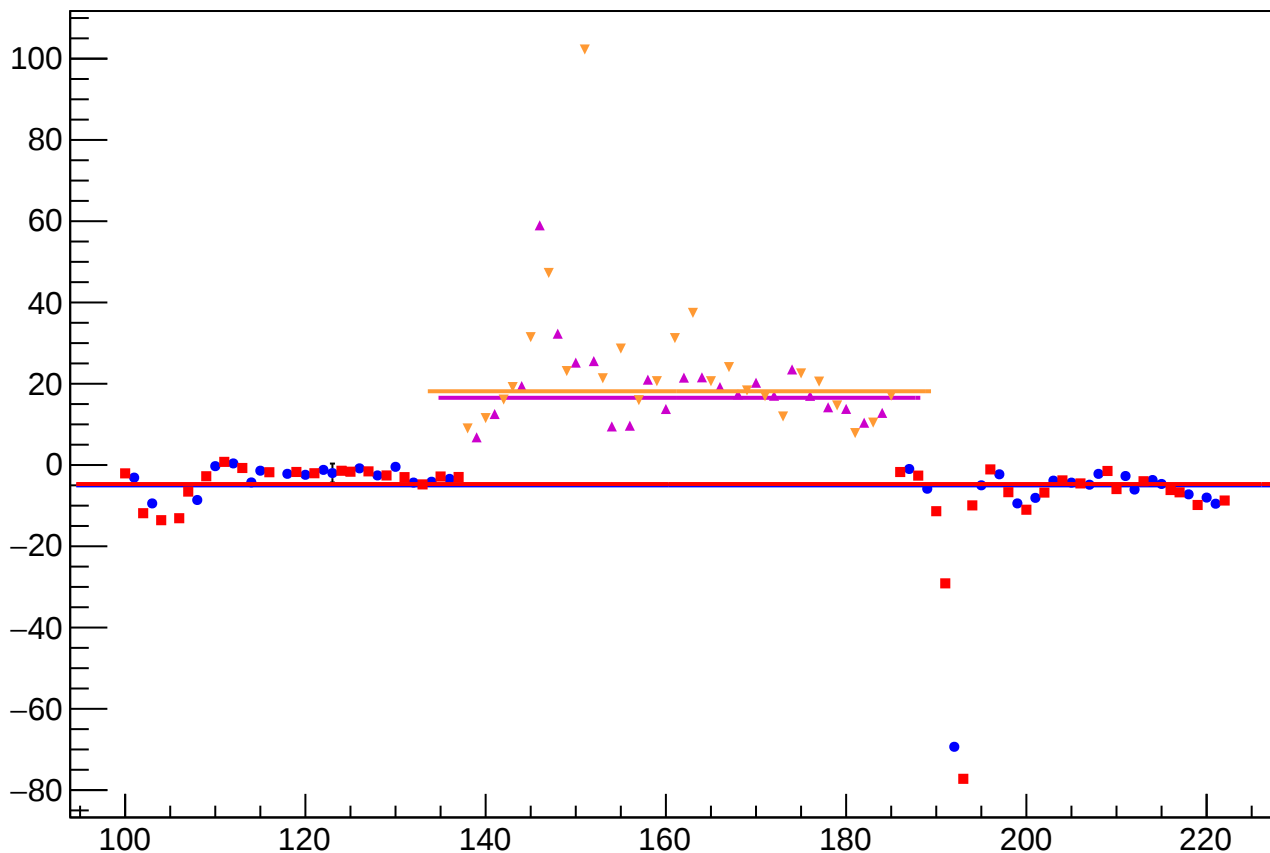
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.532 ± 0.026 χ^2/NDF : 11118.5/59

All: 0.501 ± 0.018 χ^2/NDF : 29203.9/120

- sign 0.473 ± 0.025 χ^2/NDF : 18082.8/60

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -5.014 ± 0.041 χ^2/NDF : 27827.7/34

Left Out: 18.150 ± 0.039 χ^2/NDF : 77847.8/24

Right Out: -4.678 ± 0.038 χ^2/NDF : 29302.7/37

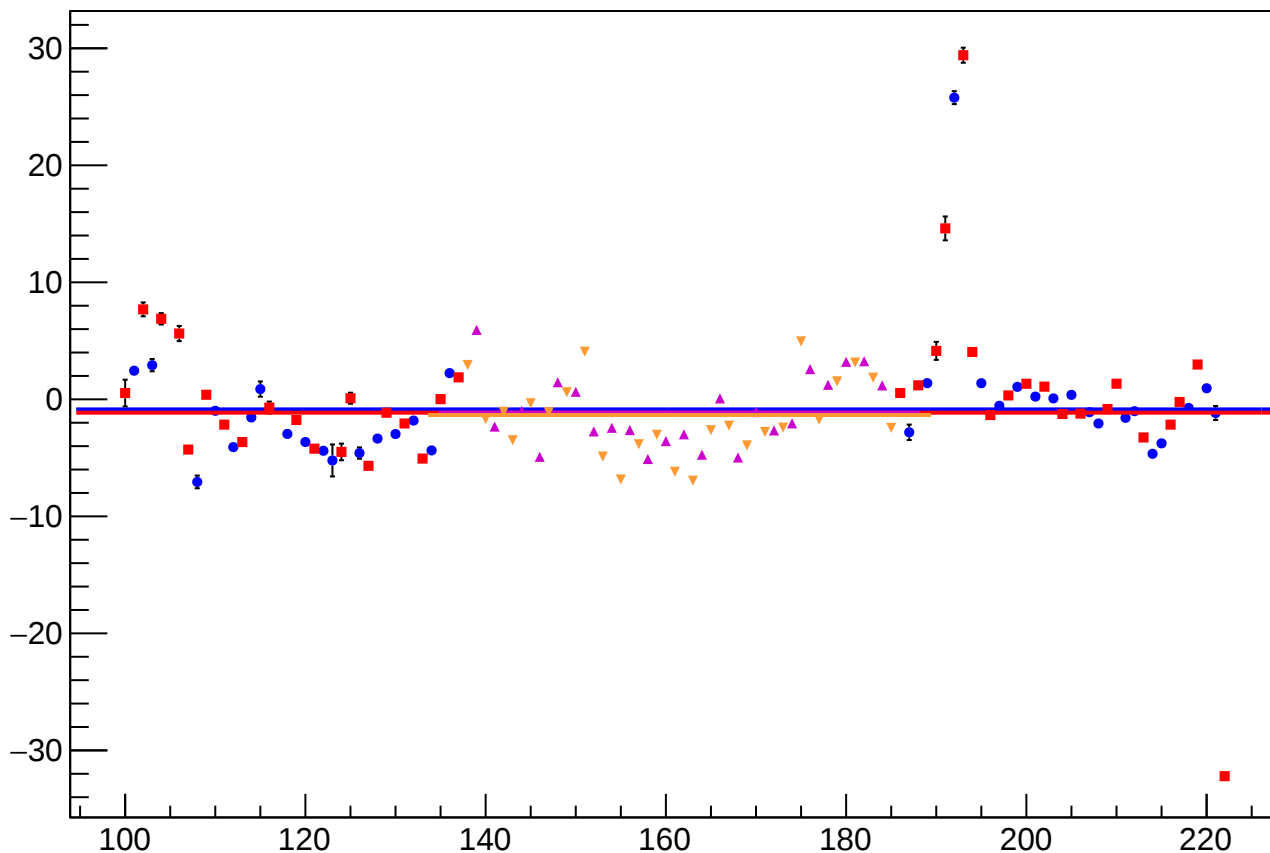
Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

+ sign 7.039 ± 0.028 χ^2/NDF : 274068.7/59

All: 6.562 ± 0.019 χ^2/NDF : 499823.2/120

- sign 6.126 ± 0.027 χ^2/NDF : 225206.6/60

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.860 ± 0.051 χ^2/NDF : 4144.1/34

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -1.140 ± 0.049 χ^2/NDF : 10941.2/37

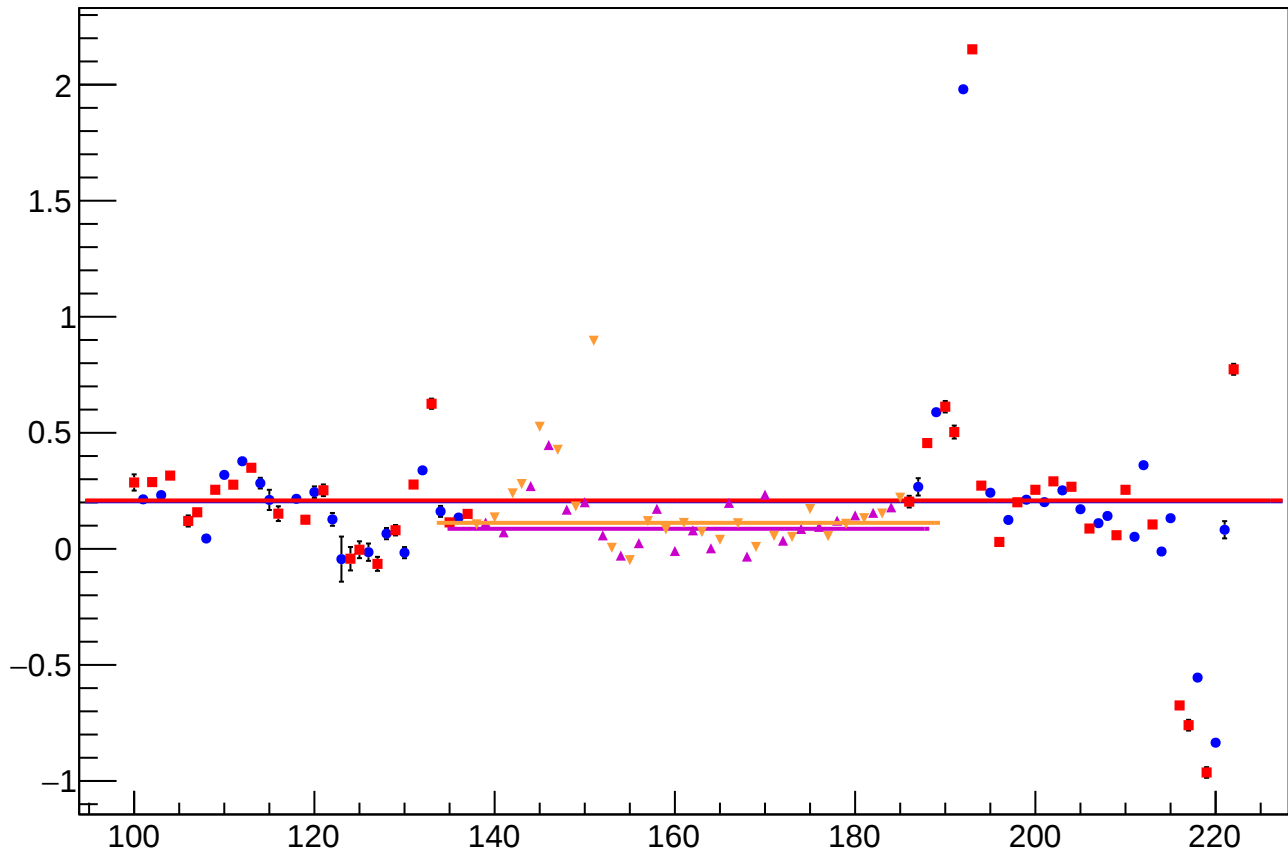
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.181 ± 0.029 χ^2/NDF : 12145.1/59

All: -1.156 ± 0.020 χ^2/NDF : 29828.0/120

- sign -1.133 ± 0.028 χ^2/NDF : 17681.5/60

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.205 ± 0.002 χ^2/NDF : 15841.2/34

Left Out: 0.112 ± 0.002 χ^2/NDF : 4503.9/24

Right Out: 0.209 ± 0.002 χ^2/NDF : 18889.8/37

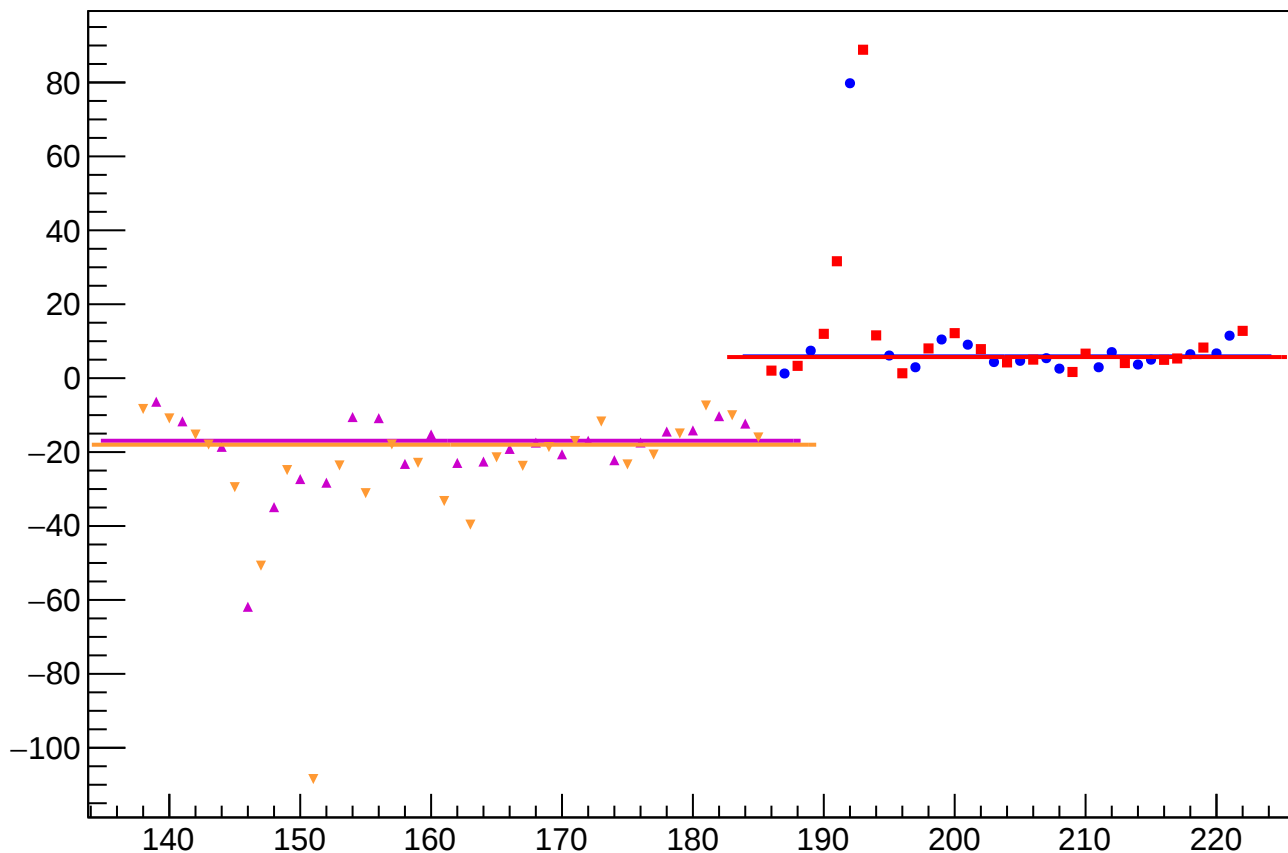
Left In: 0.087 ± 0.002 χ^2/NDF : 3655.4/22

+ sign 0.142 ± 0.001 χ^2/NDF : 21431.8/59

All: 0.132 ± 0.001 χ^2/NDF : 46094.0/120

- sign 0.124 ± 0.001 χ^2/NDF : 24558.5/60

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 5.897 ± 0.045 χ^2/NDF : 27090.3/17

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 5.709 ± 0.044 χ^2/NDF : 28418.8/18

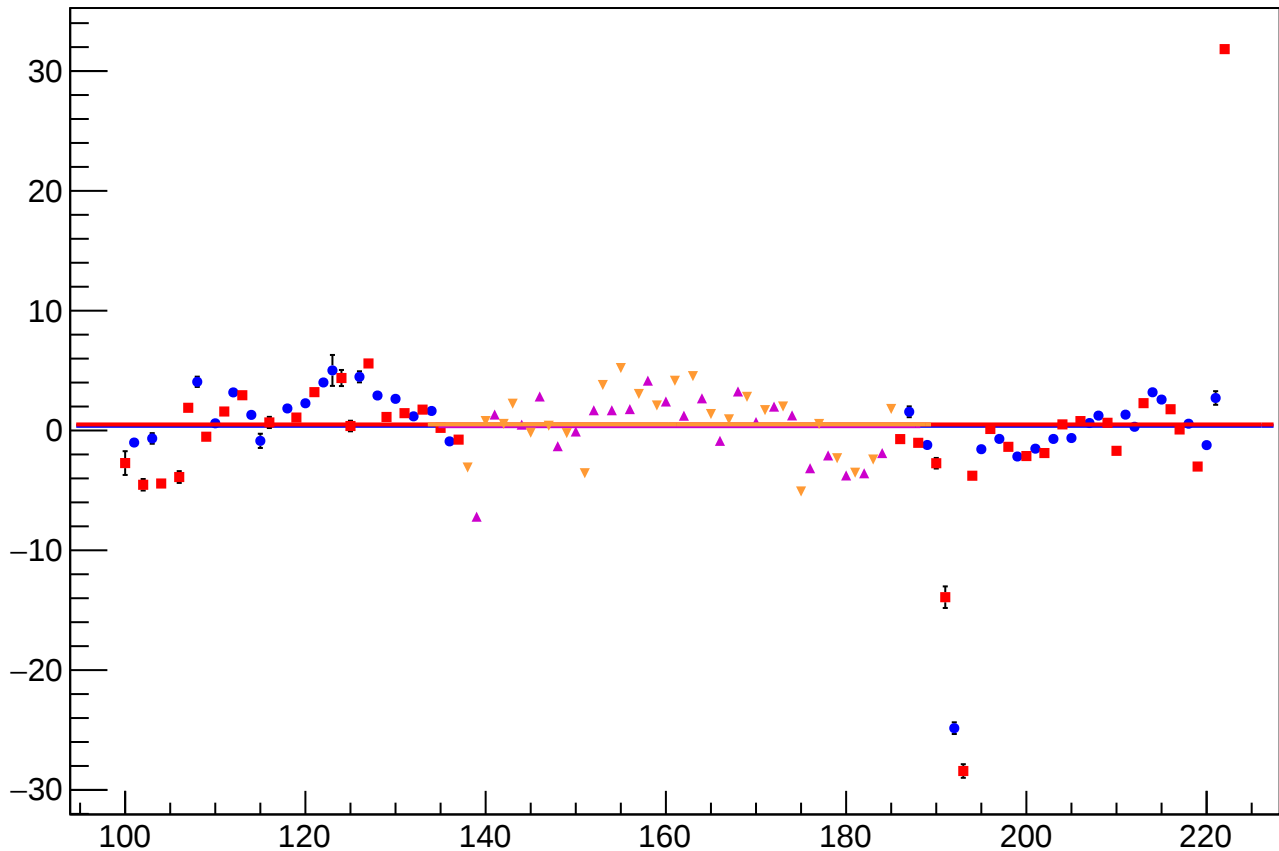
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -7.805 ± 0.029 χ^2/NDF : 278759.2/42

All: -7.555 ± 0.021 χ^2/NDF : 503006.5/84

- sign -7.314 ± 0.029 χ^2/NDF : 224104.1/41

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.390 ± 0.045 χ^2/NDF : 4132.3/34

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.504 ± 0.043 χ^2/NDF : 11838.8/37

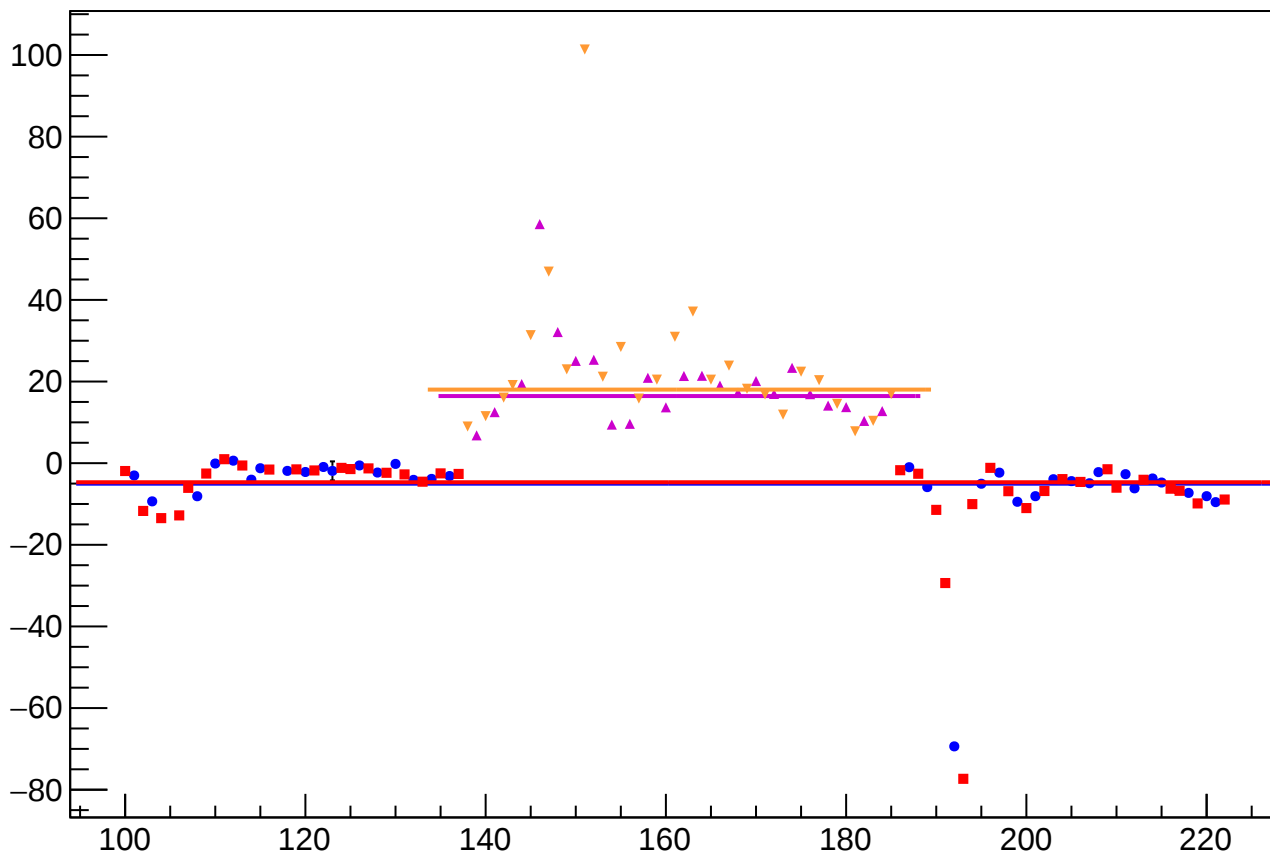
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.470 ± 0.026 χ^2/NDF : 11207.5/59

All: 0.438 ± 0.018 χ^2/NDF : 29278.0/120

- sign 0.408 ± 0.025 χ^2/NDF : 18067.5/60

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -5.024 ± 0.041 χ^2/NDF : 28171.4/34

Left Out: 18.027 ± 0.039 χ^2/NDF : 77718.1/24

Right Out: -4.676 ± 0.038 χ^2/NDF : 29826.0/37

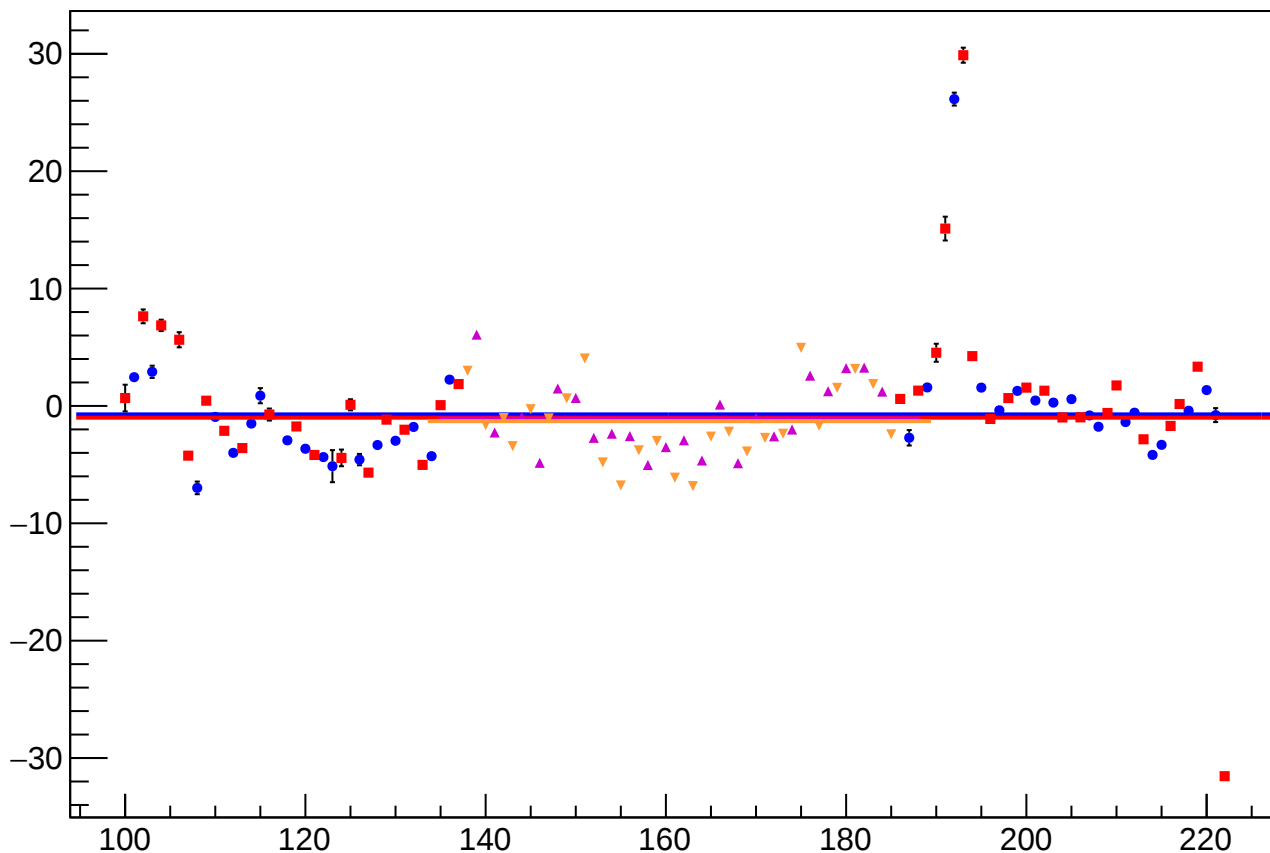
Left In: 16.443 ± 0.038 χ^2/NDF : 40780.6/22

+ sign 7.001 ± 0.028 χ^2/NDF : 274536.1/59

All: 6.519 ± 0.019 χ^2/NDF : 501271.7/120

- sign 6.079 ± 0.027 χ^2/NDF : 226170.0/60

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.719 ± 0.051 χ^2/NDF : 4225.6/34

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -1.000 ± 0.049 χ^2/NDF : 10972.9/37

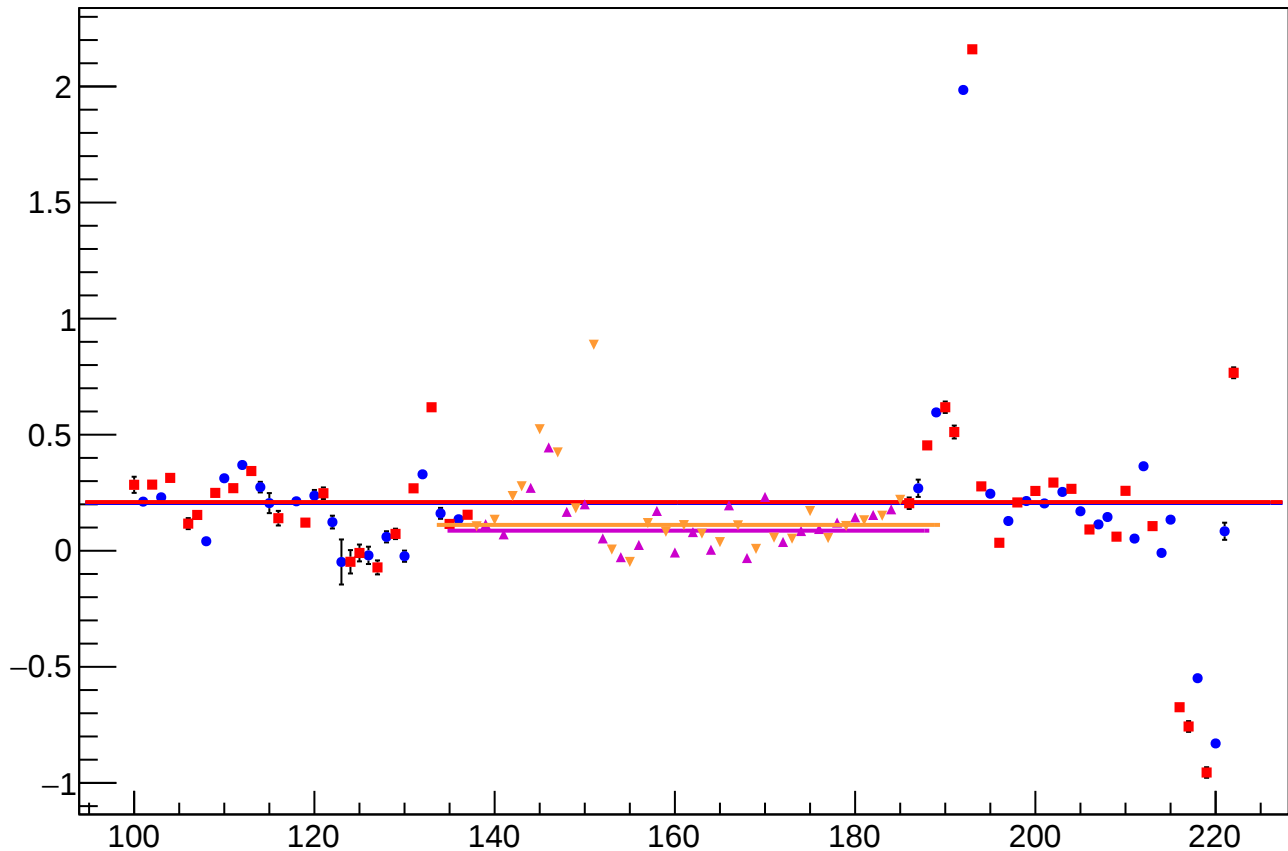
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.109 ± 0.029 χ^2/NDF : 12236.4/59

All: -1.081 ± 0.020 χ^2/NDF : 29937.0/120

- sign -1.056 ± 0.028 χ^2/NDF : 17698.8/60

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.206 ± 0.002 χ^2/NDF : 15972.6/34

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.210 ± 0.002 χ^2/NDF : 19029.6/37

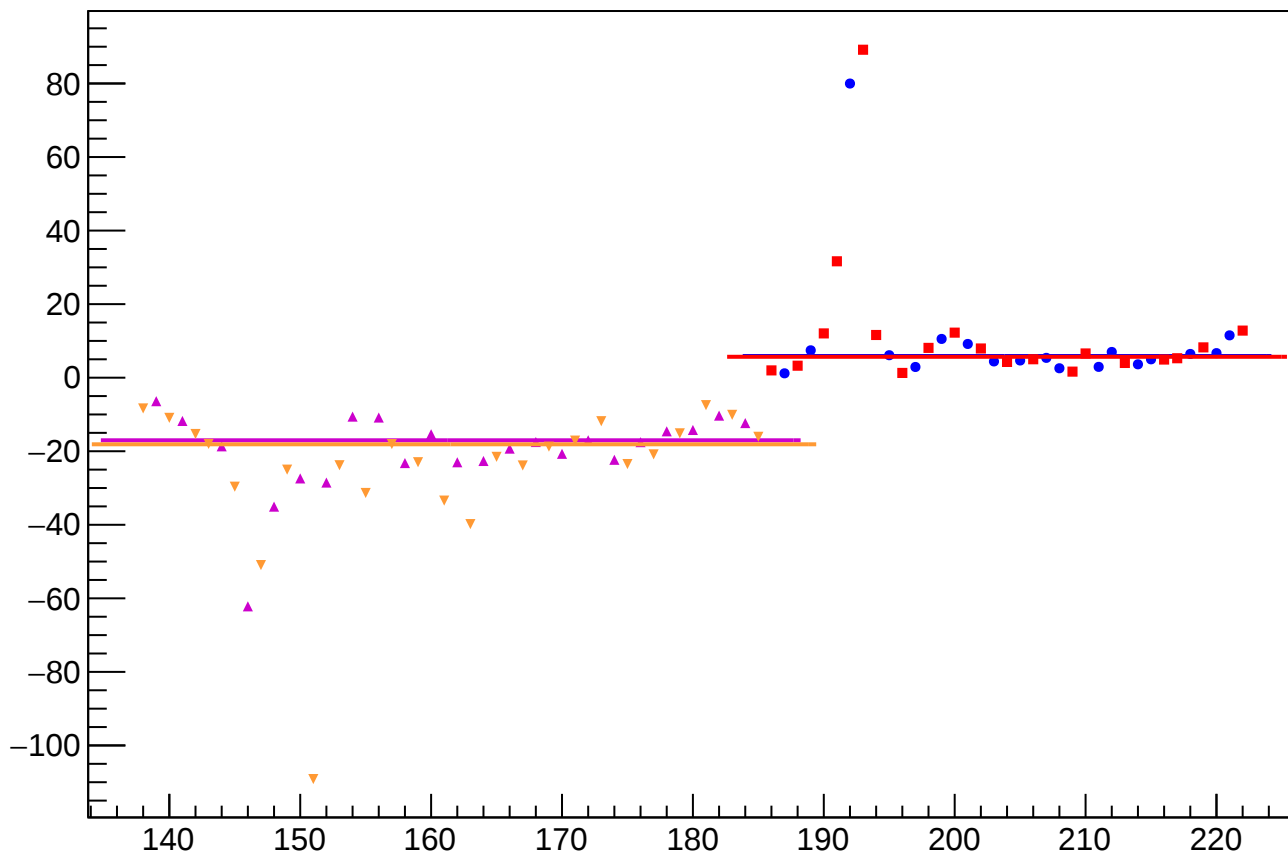
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.142 ± 0.001 χ^2/NDF : 21603.1/59

All: 0.133 ± 0.001 χ^2/NDF : 46430.4/120

- sign 0.124 ± 0.001 χ^2/NDF : 24729.0/60

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 5.896 ± 0.045 $\chi^2/\text{NDF}: 27079.6/17$

Left Out: -18.112 ± 0.039 $\chi^2/\text{NDF}: 88529.7/24$

Right Out: 5.684 ± 0.044 $\chi^2/\text{NDF}: 28434.1/18$

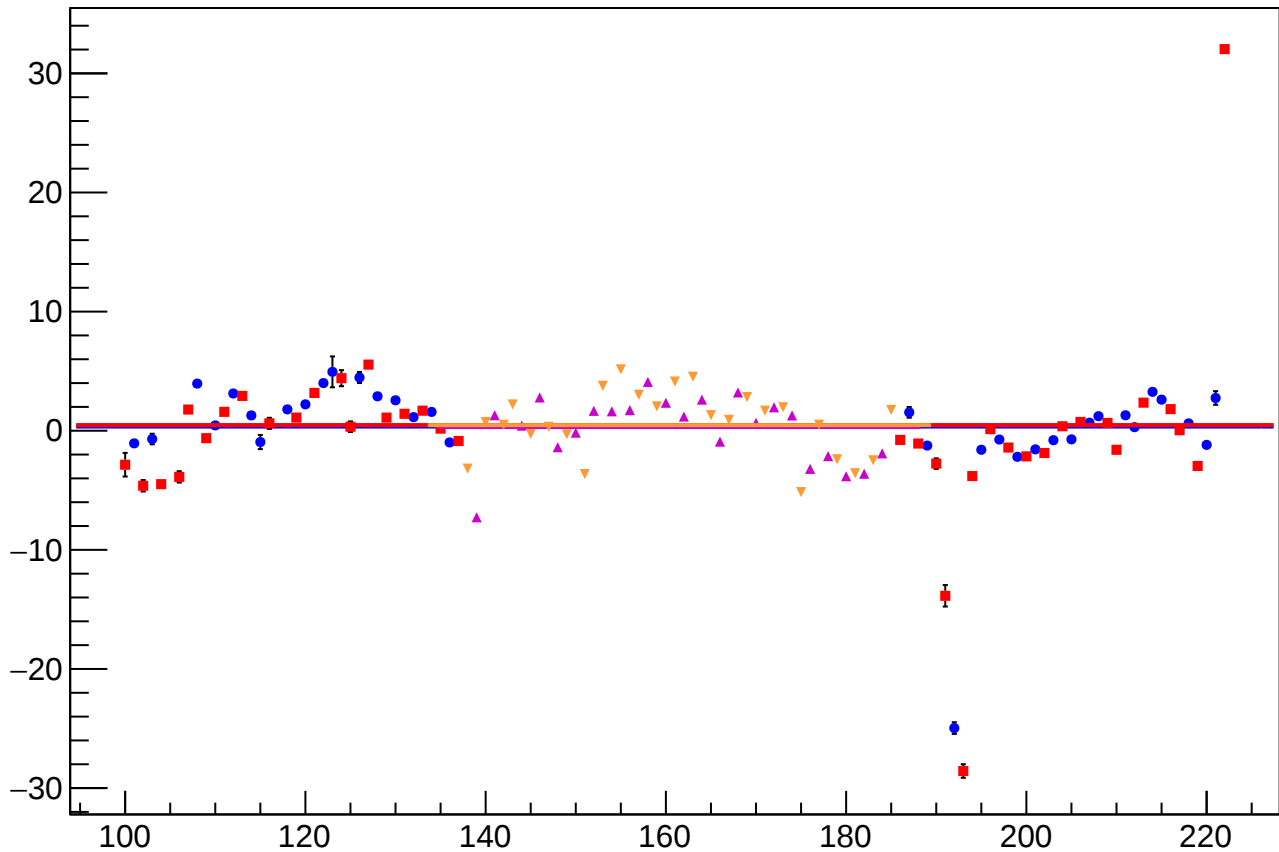
Left In: -17.024 ± 0.038 $\chi^2/\text{NDF}: 44141.8/22$

+ sign -7.898 ± 0.029 $\chi^2/\text{NDF}: 278449.2/42$

All: -7.639 ± 0.021 $\chi^2/\text{NDF}: 502290.4/84$

- sign -7.389 ± 0.029 $\chi^2/\text{NDF}: 223688.7/41$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.351 $\pm$ 0.045 χ^2 /NDF: 4126.1/34

Left Out: 0.469 $\pm$ 0.032 χ^2 /NDF: 7093.0/24

Right Out: 0.476 $\pm$ 0.043 χ^2 /NDF: 11852.2/37

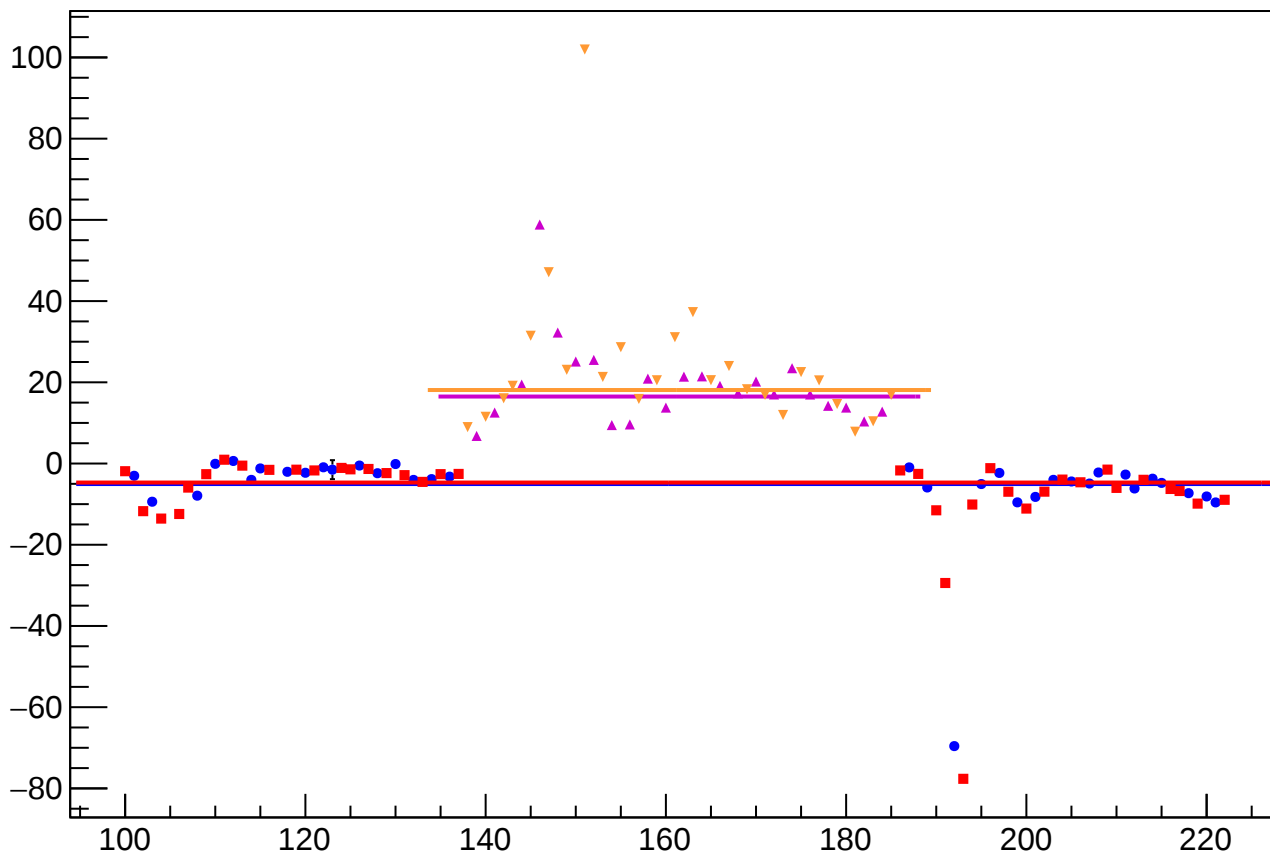
Left In: 0.311 $\pm$ 0.031 χ^2 /NDF: 6183.1/22

+ sign 0.429 $\pm$ 0.026 χ^2 /NDF: 11223.7/59

All: 0.396 $\pm$ 0.018 χ^2 /NDF: 29271.8/120

- sign 0.366 $\pm$ 0.025 χ^2 /NDF: 18045.1/60

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -5.052+/-0.041 χ^2/NDF : 28155.4/34

Left Out: 18.101+/-0.039 χ^2/NDF : 77839.7/24

Right Out: -4.682+/-0.038 χ^2/NDF : 29821.8/37

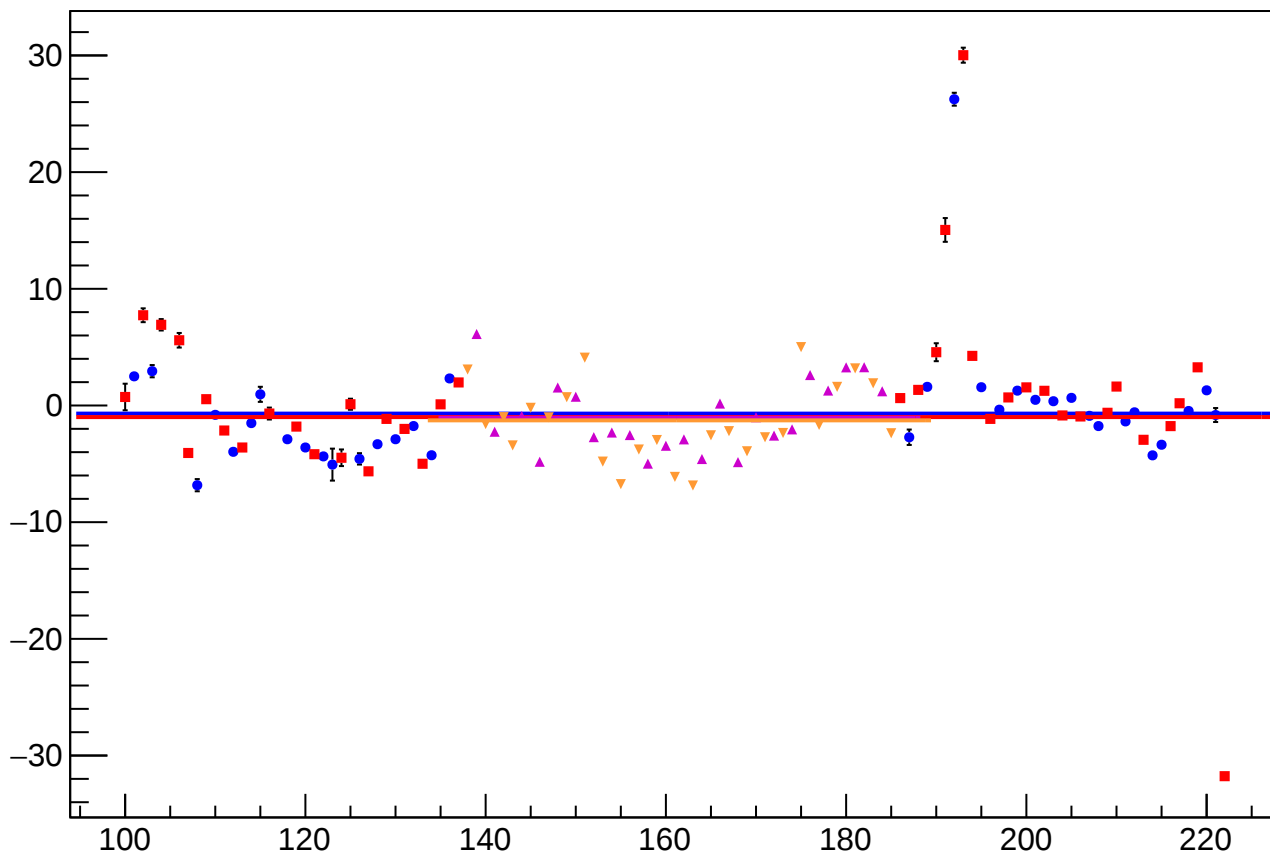
Left In: 16.496+/-0.038 χ^2/NDF : 40867.3/22

+ sign 7.054+/-0.028 χ^2/NDF : 274260.2/59

All: 6.559+/-0.019 χ^2/NDF : 500691.1/120

- sign 6.109+/-0.027 χ^2/NDF : 225842.2/60

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.696 ± 0.052 χ^2/NDF : 4222.2/34

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.994 ± 0.049 χ^2/NDF : 10983.8/37

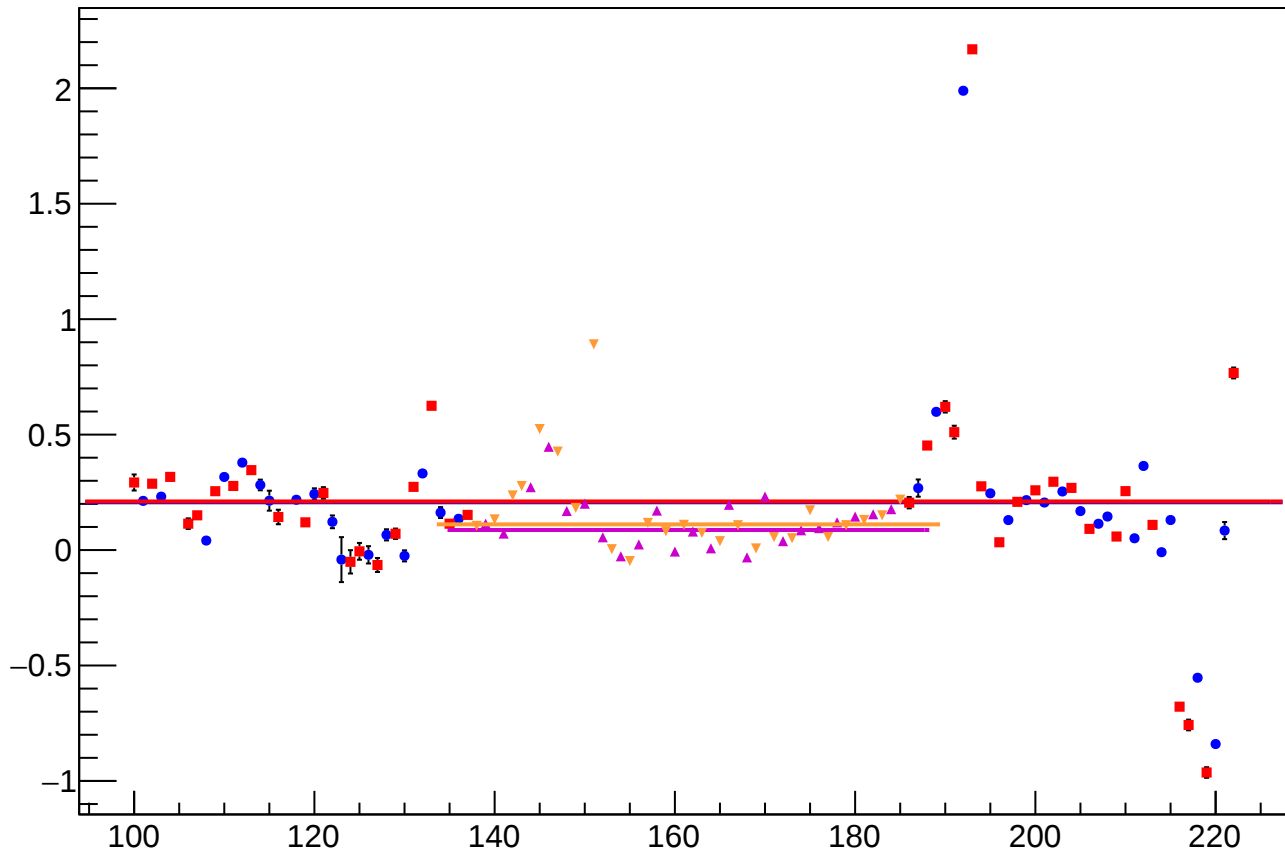
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.085 ± 0.029 χ^2/NDF : 12258.2/59

All: -1.057 ± 0.020 χ^2/NDF : 29918.1/120

- sign -1.032 ± 0.028 χ^2/NDF : 17658.1/60

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.002 χ^2/NDF : 15980.2/34

Left Out: 0.111 $\pm$ 0.002 χ^2/NDF : 4474.5/24

Right Out: 0.211 $\pm$ 0.002 χ^2/NDF : 19018.0/37

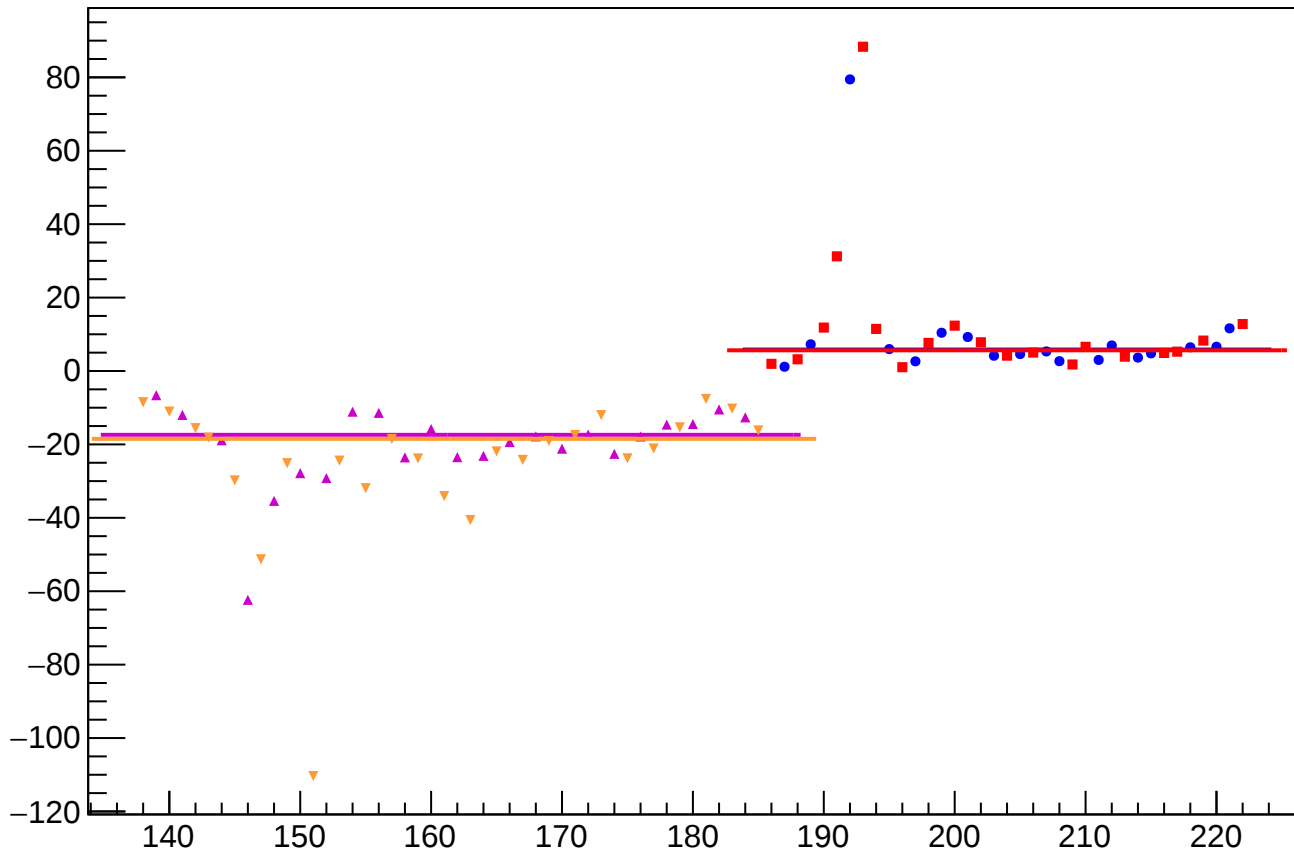
Left In: 0.087 $\pm$ 0.001 χ^2/NDF : 3598.5/22

+ sign 0.142 $\pm$ 0.001 χ^2/NDF : 21608.2/59

All: 0.133 $\pm$ 0.001 χ^2/NDF : 46389.9/120

- sign 0.124 $\pm$ 0.001 χ^2/NDF : 24686.8/60

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 5.838 ± 0.045 $\chi^2/\text{NDF}: 26614.0/17$

Left Out: -18.479 ± 0.040 $\chi^2/\text{NDF}: 87883.4/24$

Right Out: 5.637 ± 0.045 $\chi^2/\text{NDF}: 27844.4/18$

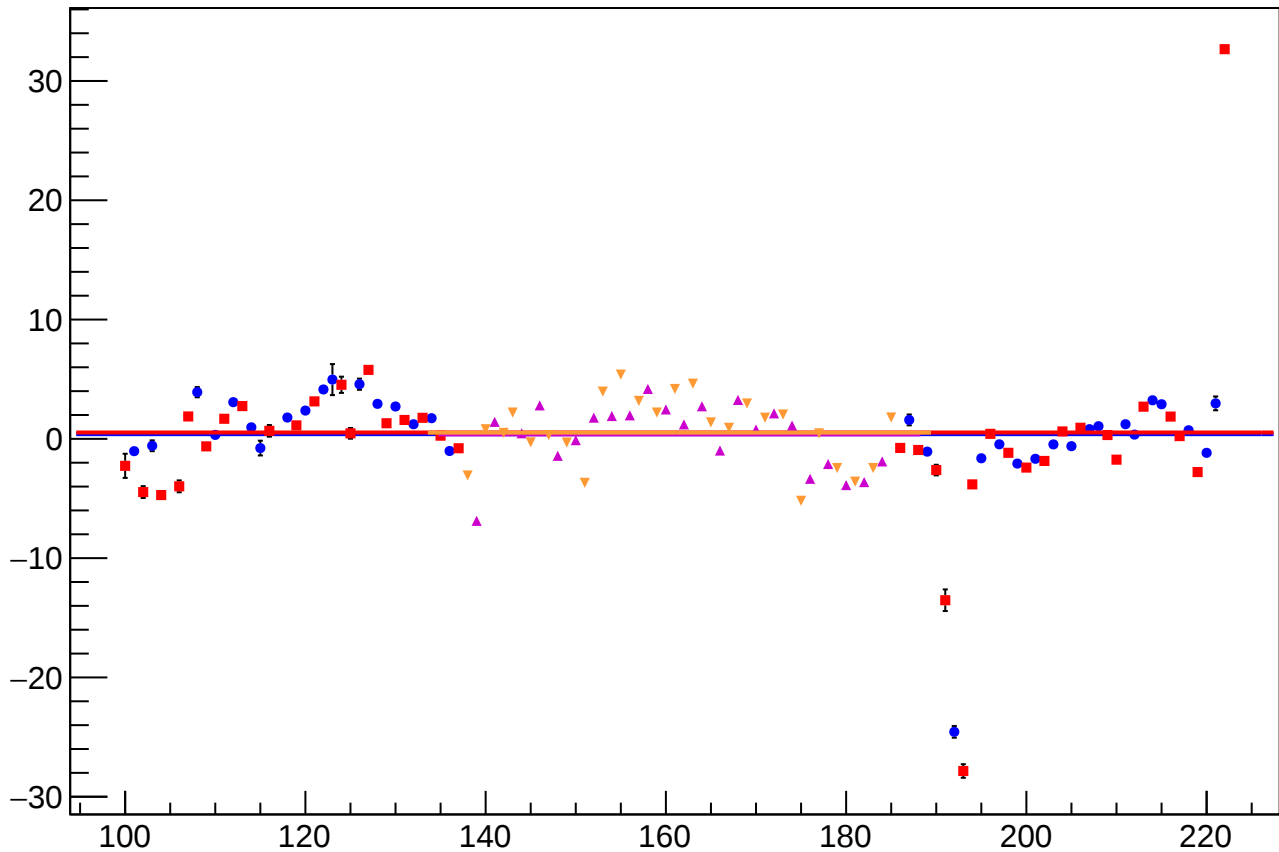
Left In: -17.393 ± 0.039 $\chi^2/\text{NDF}: 43178.9/22$

+ sign -7.928 ± 0.030 $\chi^2/\text{NDF}: 277280.3/42$

All: -7.665 ± 0.021 $\chi^2/\text{NDF}: 499910.8/84$

- sign -7.411 ± 0.029 $\chi^2/\text{NDF}: 222478.1/41$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.393 ± 0.046 $\chi^2/\text{NDF}: 3997.3/34$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.534 ± 0.044 $\chi^2/\text{NDF}: 11772.4/37$

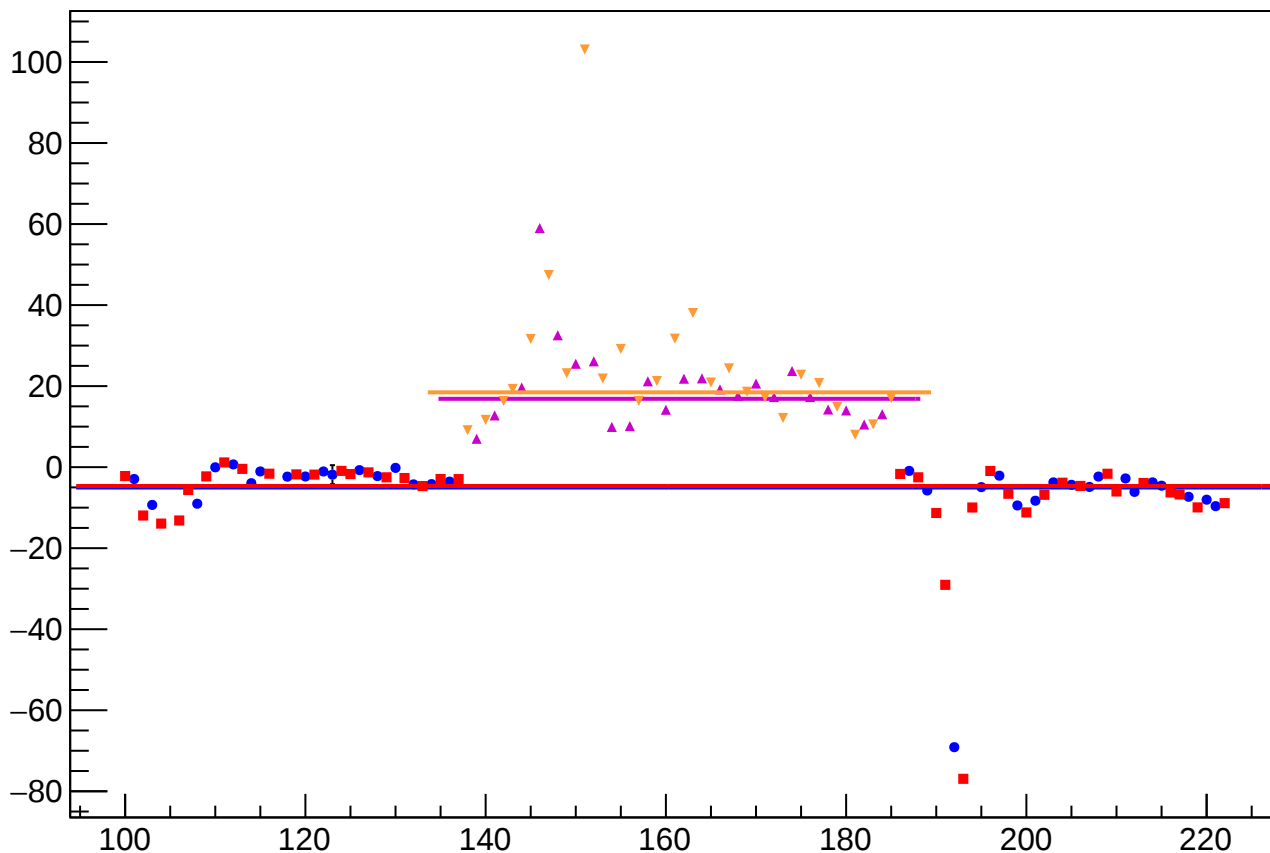
Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

+ sign 0.478 ± 0.027 $\chi^2/\text{NDF}: 11057.5/59$

All: 0.451 ± 0.018 $\chi^2/\text{NDF}: 29058.4/120$

- sign 0.427 ± 0.025 $\chi^2/\text{NDF}: 17999.0/60$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -5.025 ± 0.041 χ^2/NDF : 27633.9/34

Left Out: 18.467 ± 0.040 χ^2/NDF : 77226.7/24

Right Out: -4.646 ± 0.039 χ^2/NDF : 29264.3/37

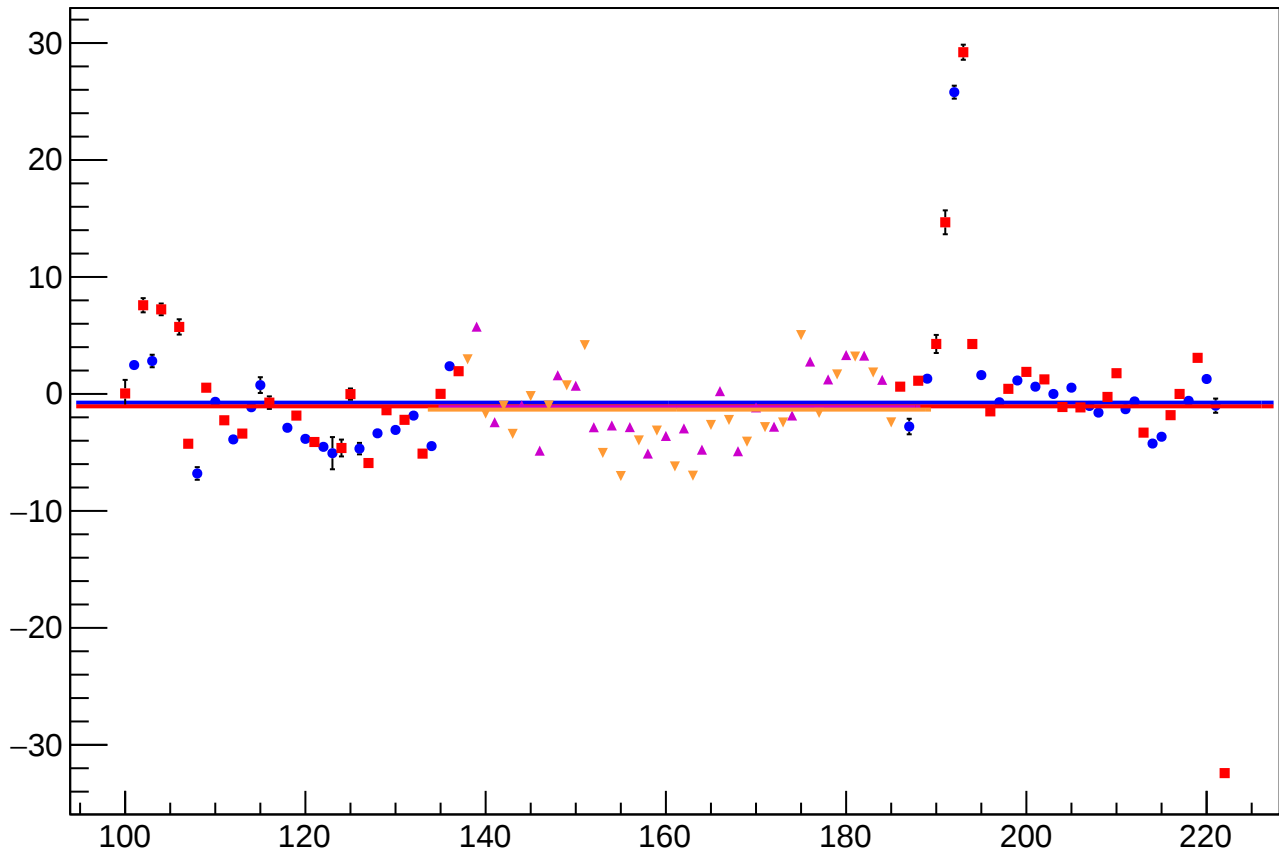
Left In: 16.867 ± 0.039 χ^2/NDF : 39779.0/22

+ sign 7.077 ± 0.029 χ^2/NDF : 273060.2/59

All: 6.584 ± 0.020 χ^2/NDF : 497907.8/120

- sign 6.135 ± 0.027 χ^2/NDF : 224279.9/60

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.744 ± 0.052 $\chi^2/\text{NDF}: 4106.9/34$

Left Out: -1.340 ± 0.037 $\chi^2/\text{NDF}: 7907.4/24$

Right Out: -1.060 ± 0.050 $\chi^2/\text{NDF}: 10912.3/37$

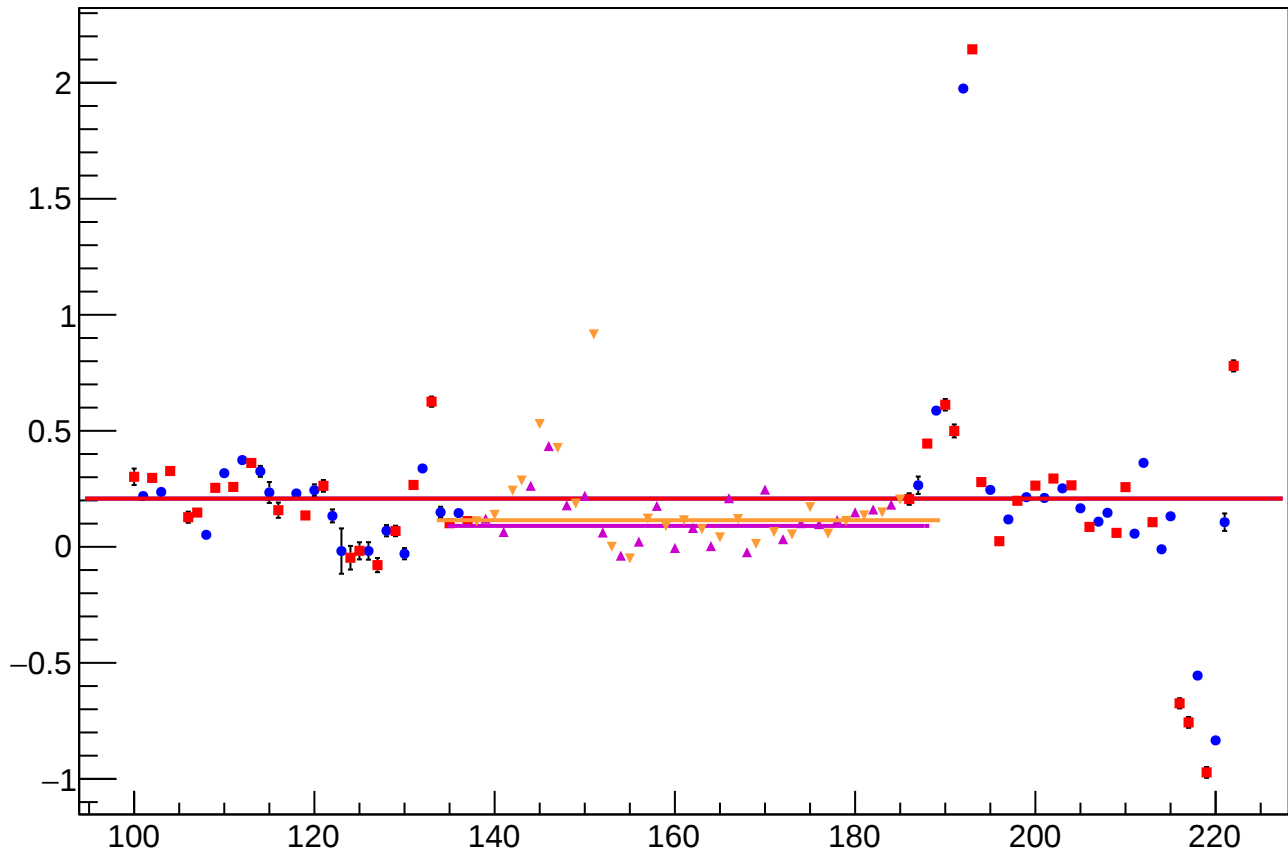
Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

+ sign -1.143 ± 0.030 $\chi^2/\text{NDF}: 12102.0/59$

All: -1.125 ± 0.021 $\chi^2/\text{NDF}: 29725.0/120$

- sign -1.109 ± 0.029 $\chi^2/\text{NDF}: 17622.3/60$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.208 ± 0.002 χ^2/NDF : 15629.6/34

Left Out: 0.115 ± 0.002 χ^2/NDF : 4431.9/24

Right Out: 0.208 ± 0.002 χ^2/NDF : 18778.0/37

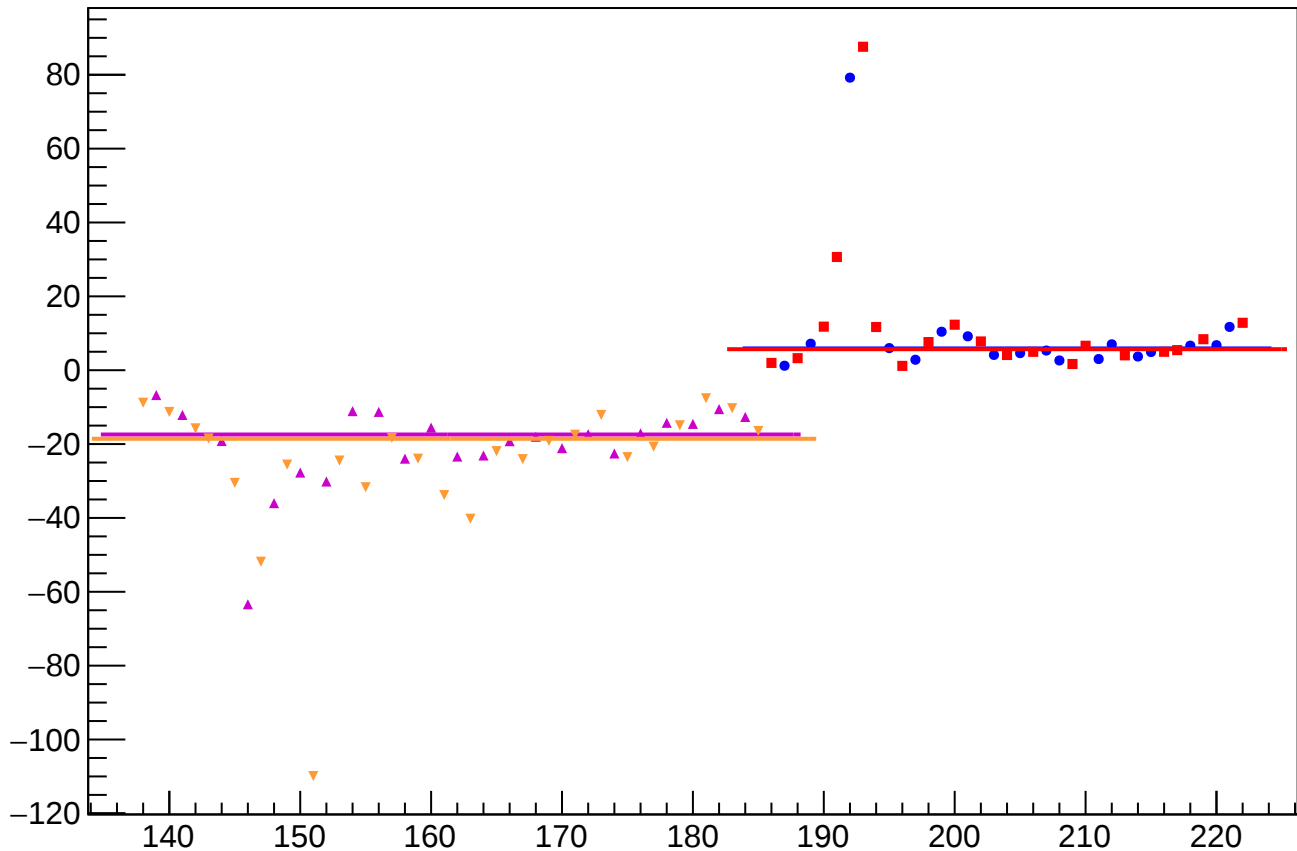
Left In: 0.090 ± 0.002 χ^2/NDF : 3676.5/22

+ sign 0.145 ± 0.001 χ^2/NDF : 21124.2/59

All: 0.136 ± 0.001 χ^2/NDF : 45497.1/120

- sign 0.127 ± 0.001 χ^2/NDF : 24271.5/60

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 5.891 ± 0.046 χ^2/NDF : 26130.0/17

Left Out: -18.566 ± 0.040 χ^2/NDF : 86389.6/24

Right Out: 5.690 ± 0.045 χ^2/NDF : 27204.2/18

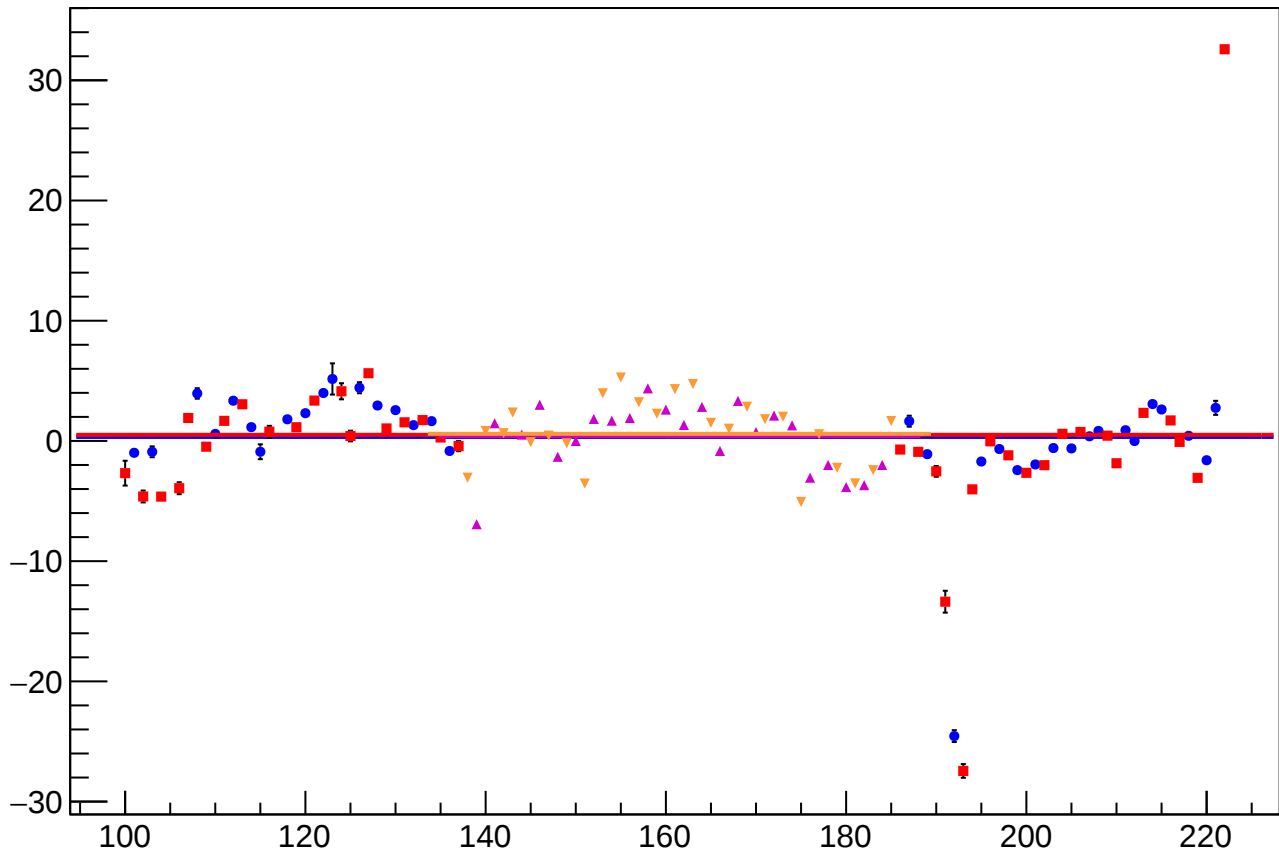
Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

+ sign -7.972 ± 0.030 χ^2/NDF : 273672.8/42

All: -7.700 ± 0.021 χ^2/NDF : 493749.6/84

- sign -7.438 ± 0.030 χ^2/NDF : 219917.7/41

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.332 ± 0.046 χ^2/NDF : 4020.7/34

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.510 ± 0.044 χ^2/NDF : 11592.2/37

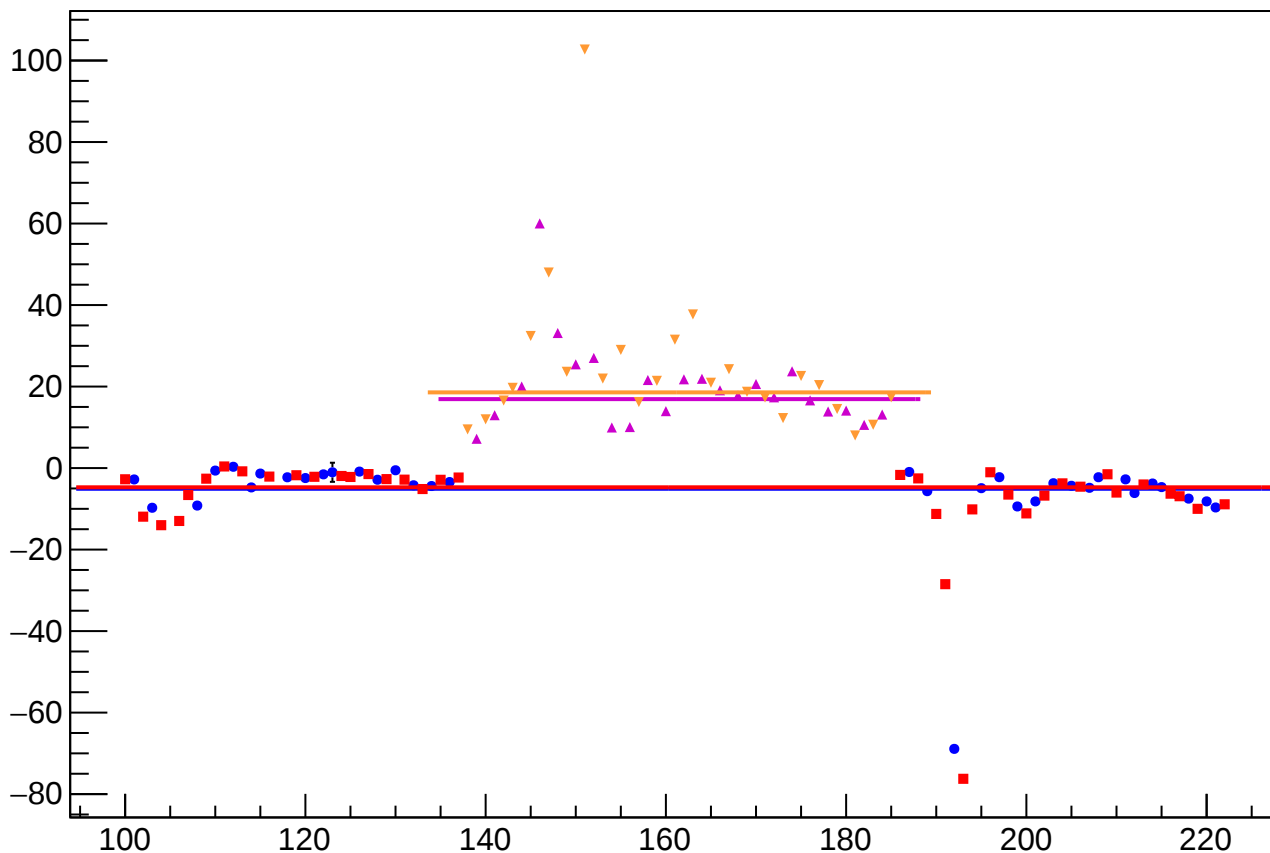
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.502 ± 0.027 χ^2/NDF : 10837.7/59

All: 0.466 ± 0.019 χ^2/NDF : 28497.6/120

- sign 0.433 ± 0.026 χ^2/NDF : 17656.5/60

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -5.077 ± 0.042 $\chi^2/\text{NDF}: 26985.7/34$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.720 ± 0.039 $\chi^2/\text{NDF}: 28382.4/37$

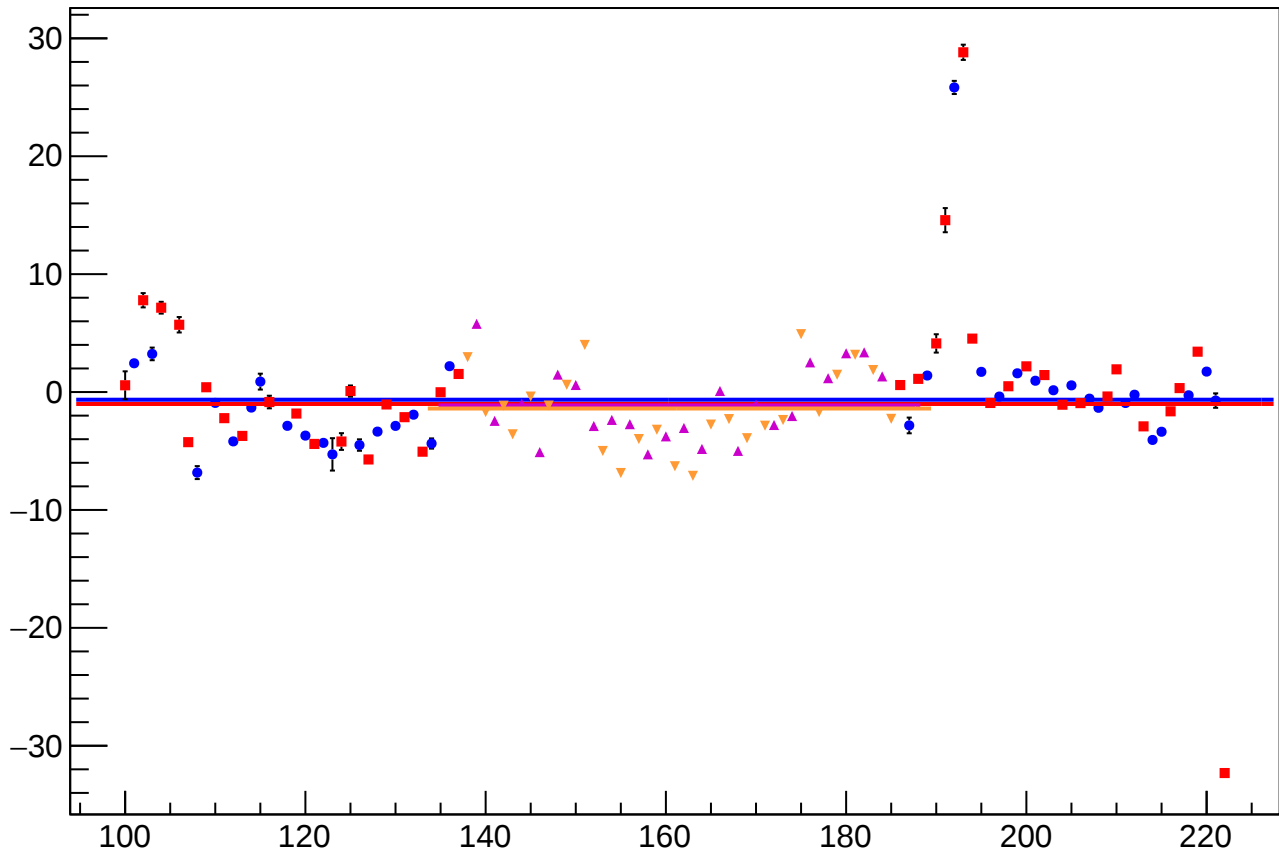
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 7.137 ± 0.029 $\chi^2/\text{NDF}: 269880.5/59$

All: 6.634 ± 0.020 $\chi^2/\text{NDF}: 492552.2/120$

- sign 6.176 ± 0.028 $\chi^2/\text{NDF}: 222095.3/60$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.650 ± 0.053 $\chi^2/\text{NDF}: 4095.3/34$

Left Out: -1.396 ± 0.037 $\chi^2/\text{NDF}: 7651.5/24$

Right Out: -1.013 ± 0.051 $\chi^2/\text{NDF}: 10744.9/37$

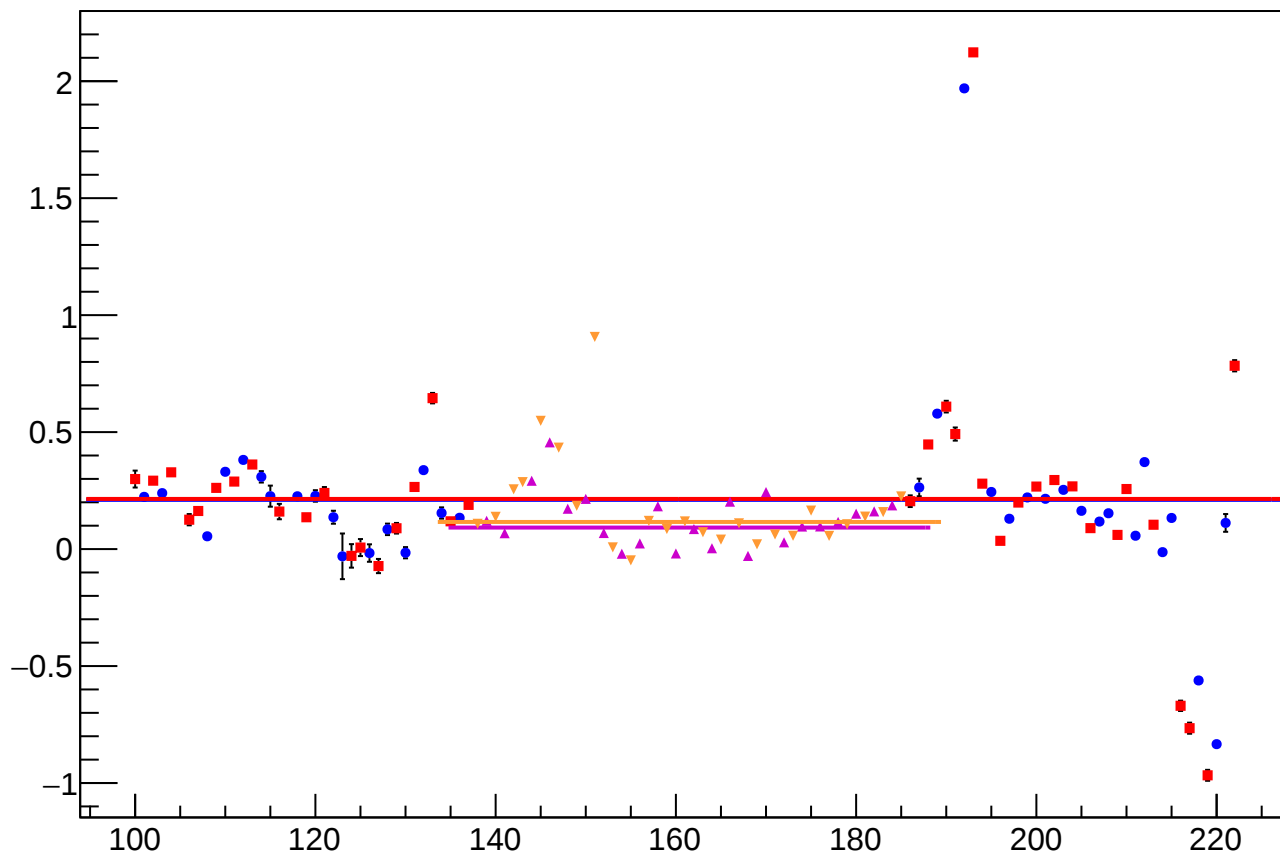
Left In: -1.135 ± 0.035 $\chi^2/\text{NDF}: 6597.7/22$

+ sign -1.151 ± 0.030 $\chi^2/\text{NDF}: 11881.4/59$

All: -1.122 ± 0.021 $\chi^2/\text{NDF}: 29229.6/120$

- sign -1.095 ± 0.029 $\chi^2/\text{NDF}: 17346.4/60$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.210 $\pm$ 0.002 χ^2/NDF : 15327.6/34

Left Out: 0.116 $\pm$ 0.002 χ^2/NDF : 4463.0/24

Right Out: 0.214 $\pm$ 0.002 χ^2/NDF : 18205.2/37

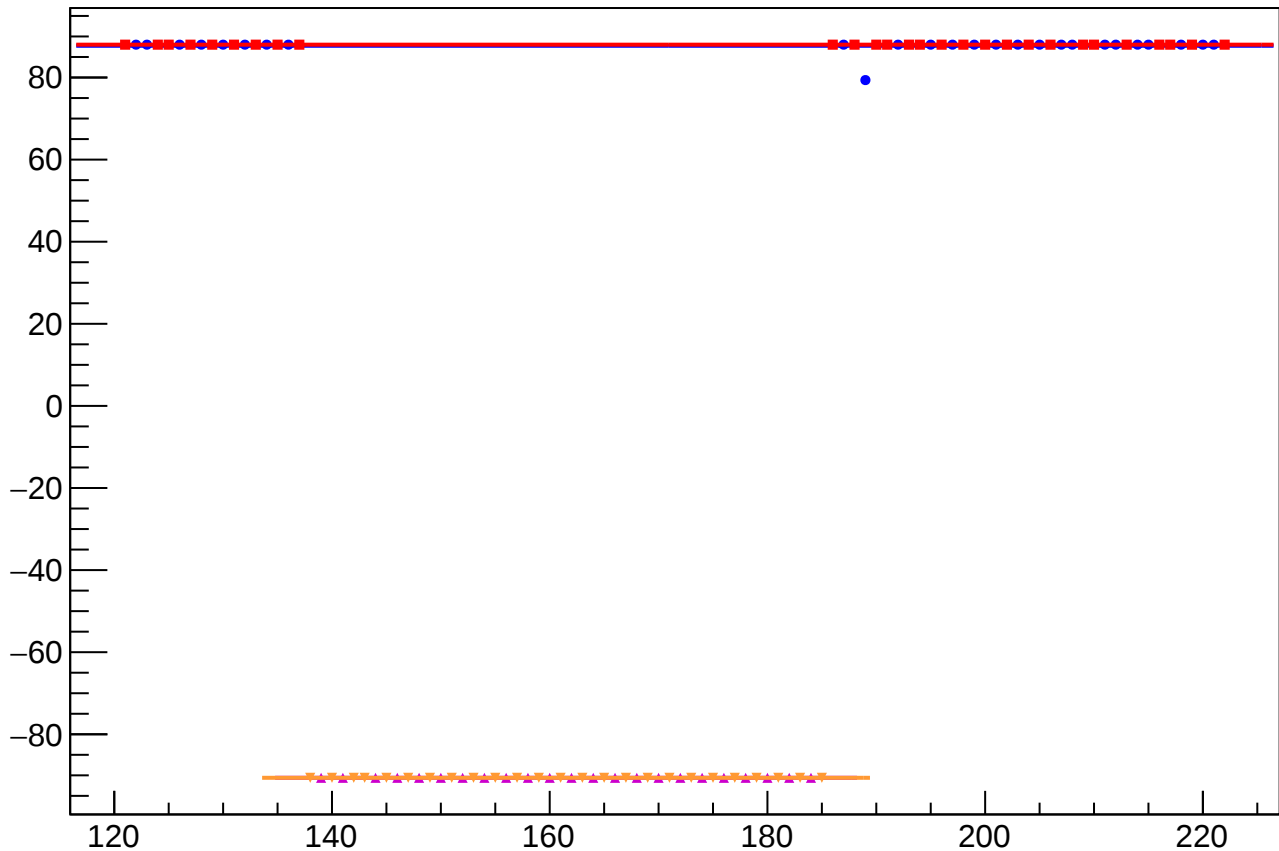
Left In: 0.092 $\pm$ 0.002 χ^2/NDF : 3631.4/22

+ sign 0.147 $\pm$ 0.001 χ^2/NDF : 20861.3/59

All: 0.138 $\pm$ 0.001 χ^2/NDF : 44700.1/120

- sign 0.130 $\pm$ 0.001 χ^2/NDF : 23753.7/60

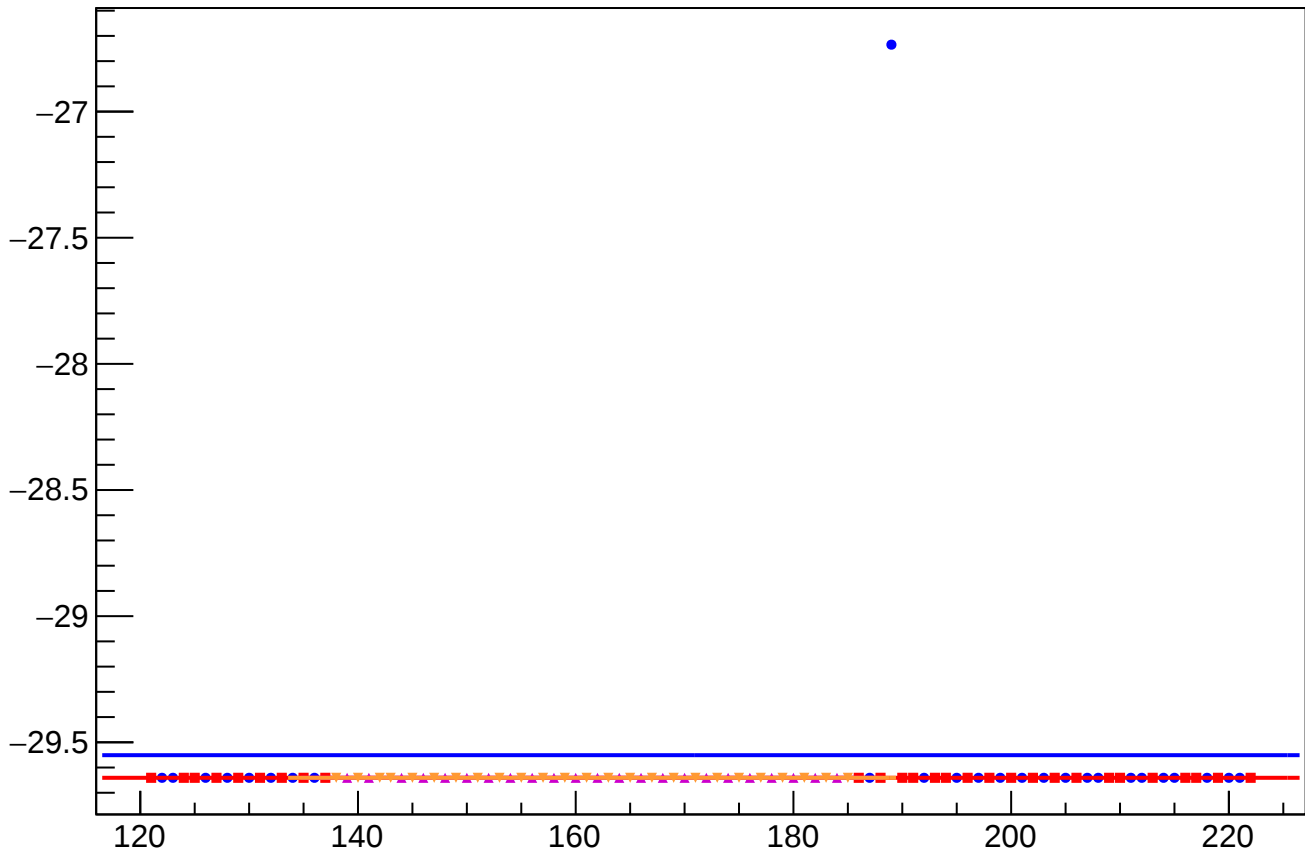
VWienAngle_mean vs Slug



Right In: 87.735+/-0.000 χ^2/NDF : 3679016834600222525668882691129344.0/25
Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24
Right Out: 88.001+/-0.000 χ^2/NDF : 1386577.7/27
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

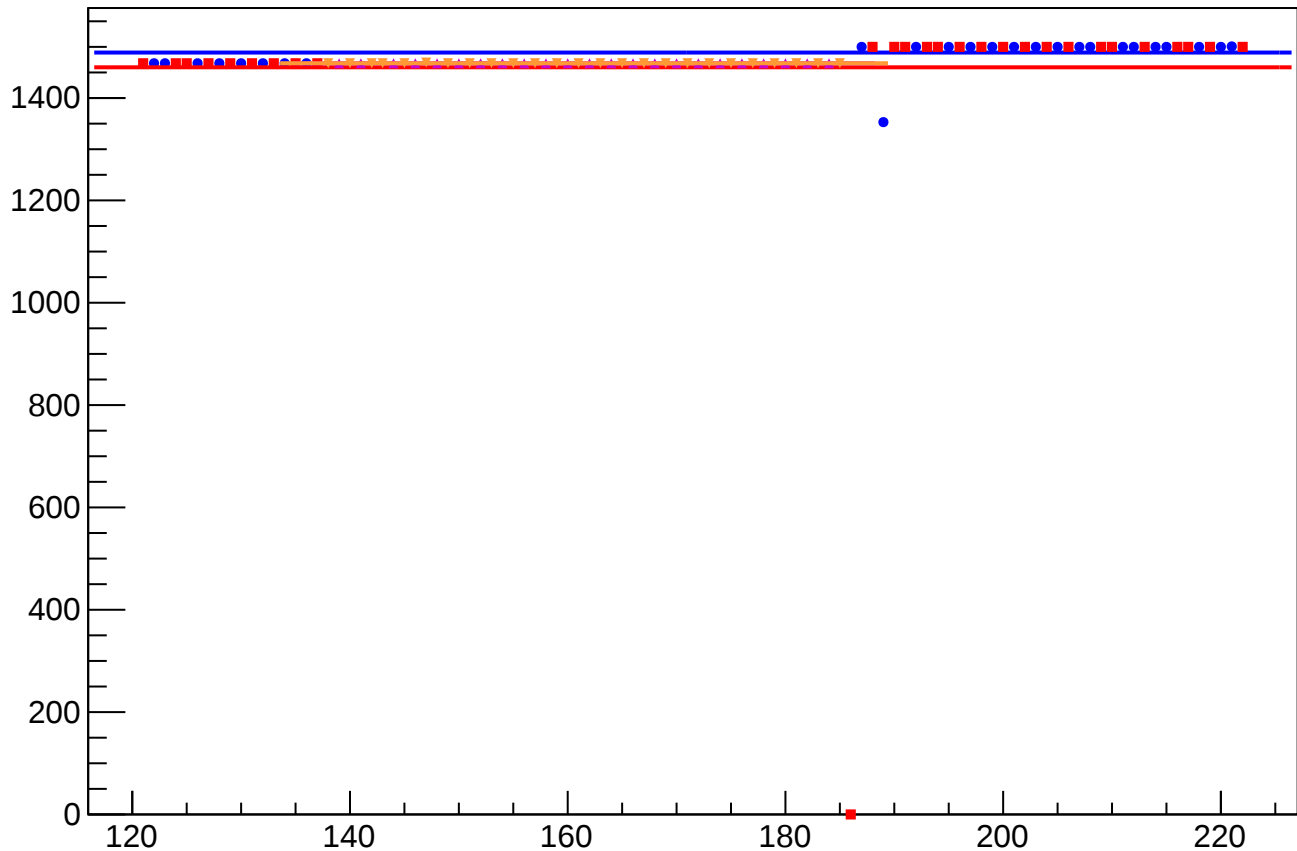
+ sign -7.864+/-0.000 χ^2/NDF : 2818476986044168
All: -6.247+/-0.000 χ^2/NDF : 5602049549350
- sign -4.597+/-0.000 χ^2/NDF : 27816902305158883

HWienAngle_mean vs Slug



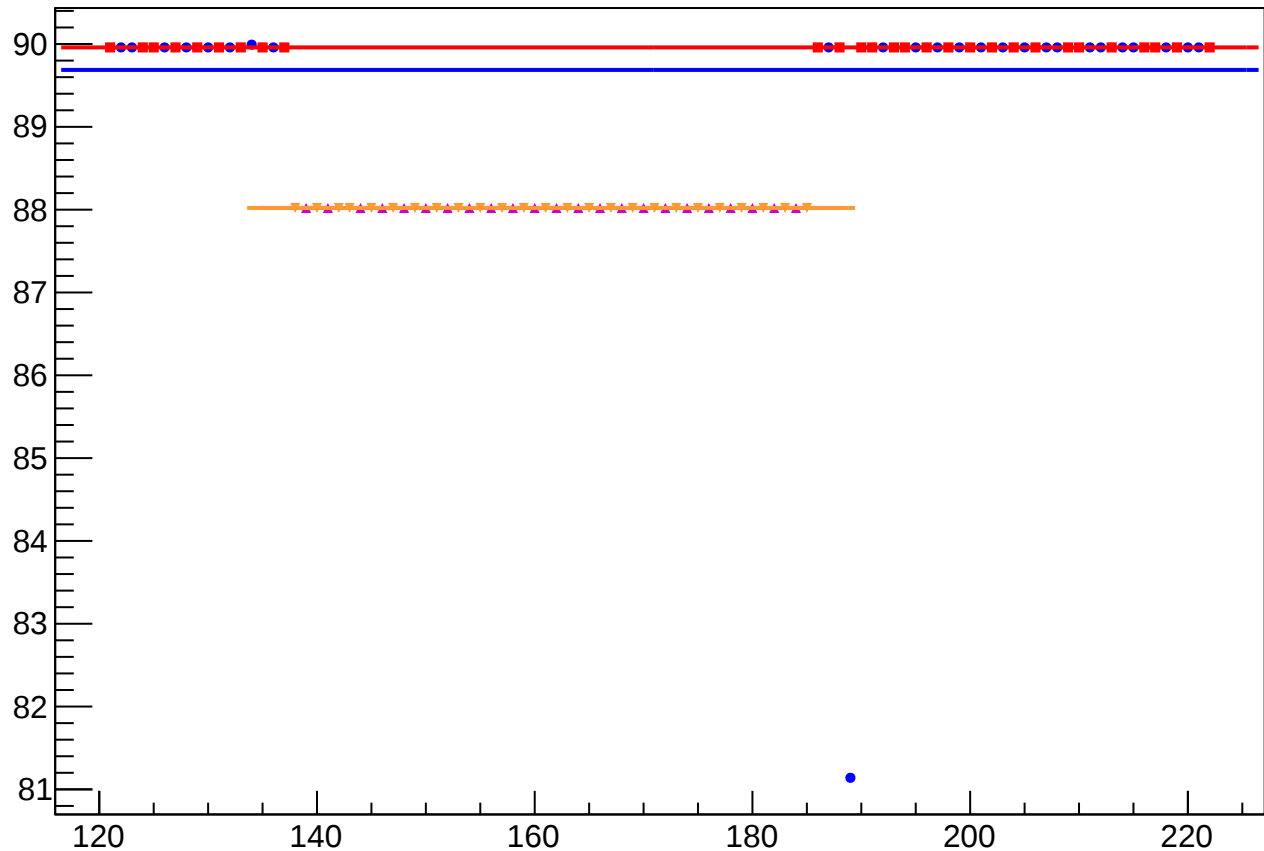
Right In: -29.551+/-0.000 χ^2/NDF : 417384669986378271763760997728256.0/25
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24 + sign -29.599+/-0.000 χ^2/NDF : 424507649629661
Right Out: -29.641+/-0.000 χ^2/NDF : 1686395.3/27 All: -29.620+/-0.000 χ^2/NDF : 427559345169
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22 - sign -29.641+/-0.000 χ^2/NDF : 2713605.8/50

psub_pl_pos_mean vs Slug

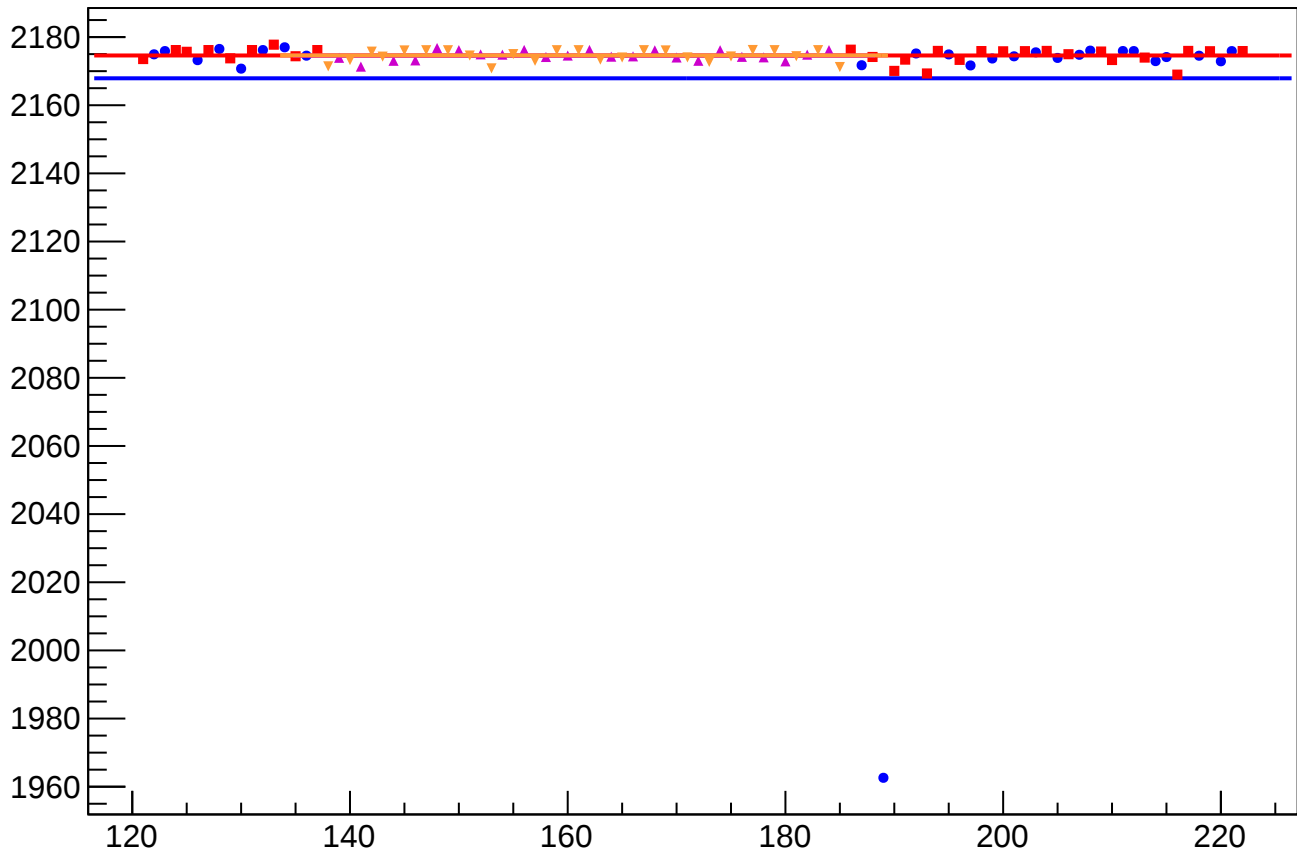


Right In: 1488.921+/-0.000 χ^2/NDF : 1247645508588085150516559863821107200.0/25
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24
 Right Out: 1460.078+/-0.000 χ^2/NDF : 83143191423190477418182670028378210304.0/27
 Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22
 + sign 1477.731+/-0.000 χ^2/NDF : 16338353004794
 All: 1471.024+/-0.000 χ^2/NDF : 8515549903
 - sign 1464.182+/-0.000 χ^2/NDF : 83197838922727

Phi_FG_mean vs Slug



HALLA_p_mean vs Slug



Right In: 2167.904+/-0.000 χ^2/NDF : 2220958343972985433435624989295378432.0/25

Left Out: 2174.622+/-0.000 χ^2/NDF : 5110578135476093110874911595823104.0/24

Right Out: 2174.604+/-0.000 χ^2/NDF : 7429870093892946356609590780493824.0/27

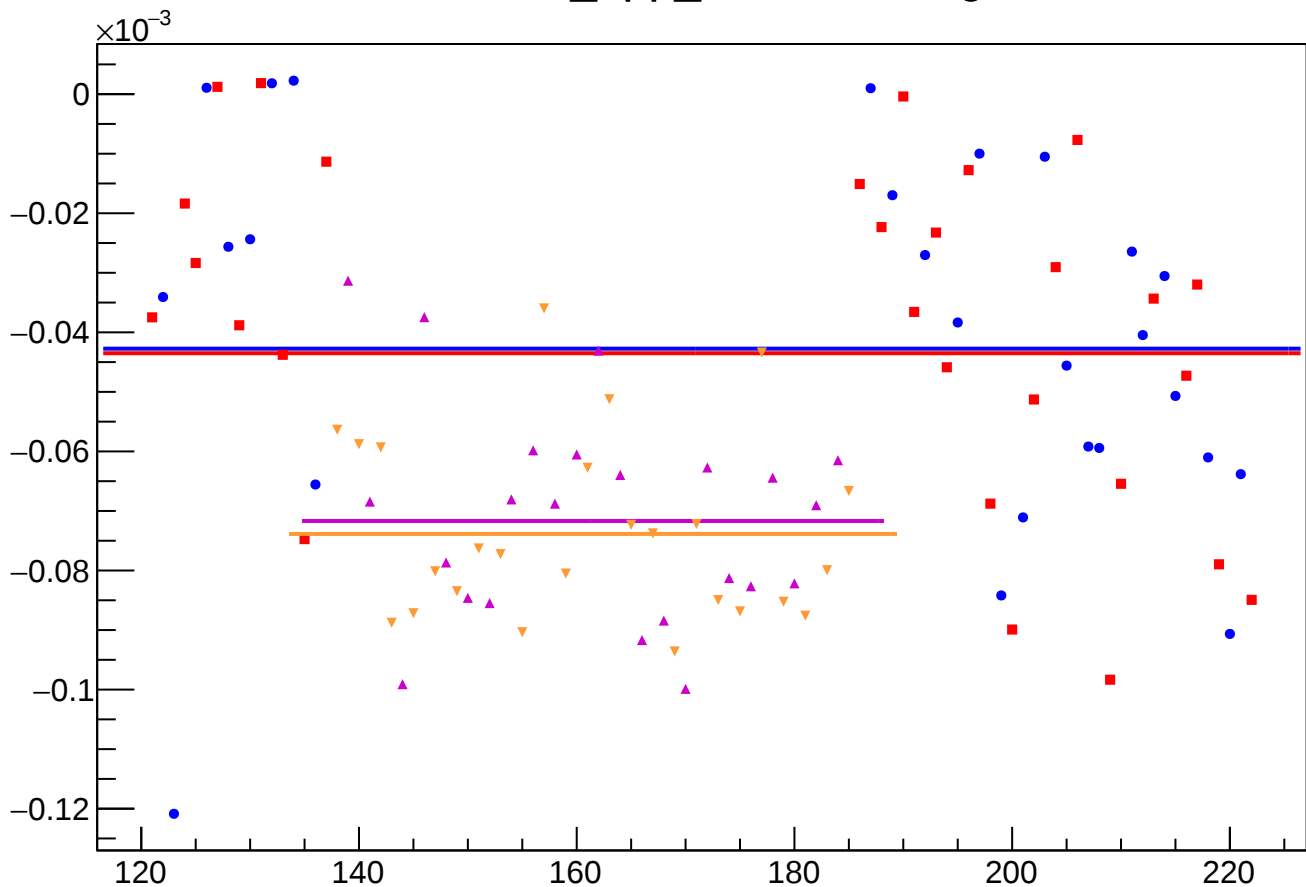
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2171.505+/-0.000 χ^2/NDF : 22660556554733

All: 2173.023+/-0.000 χ^2/NDF : 22934553090

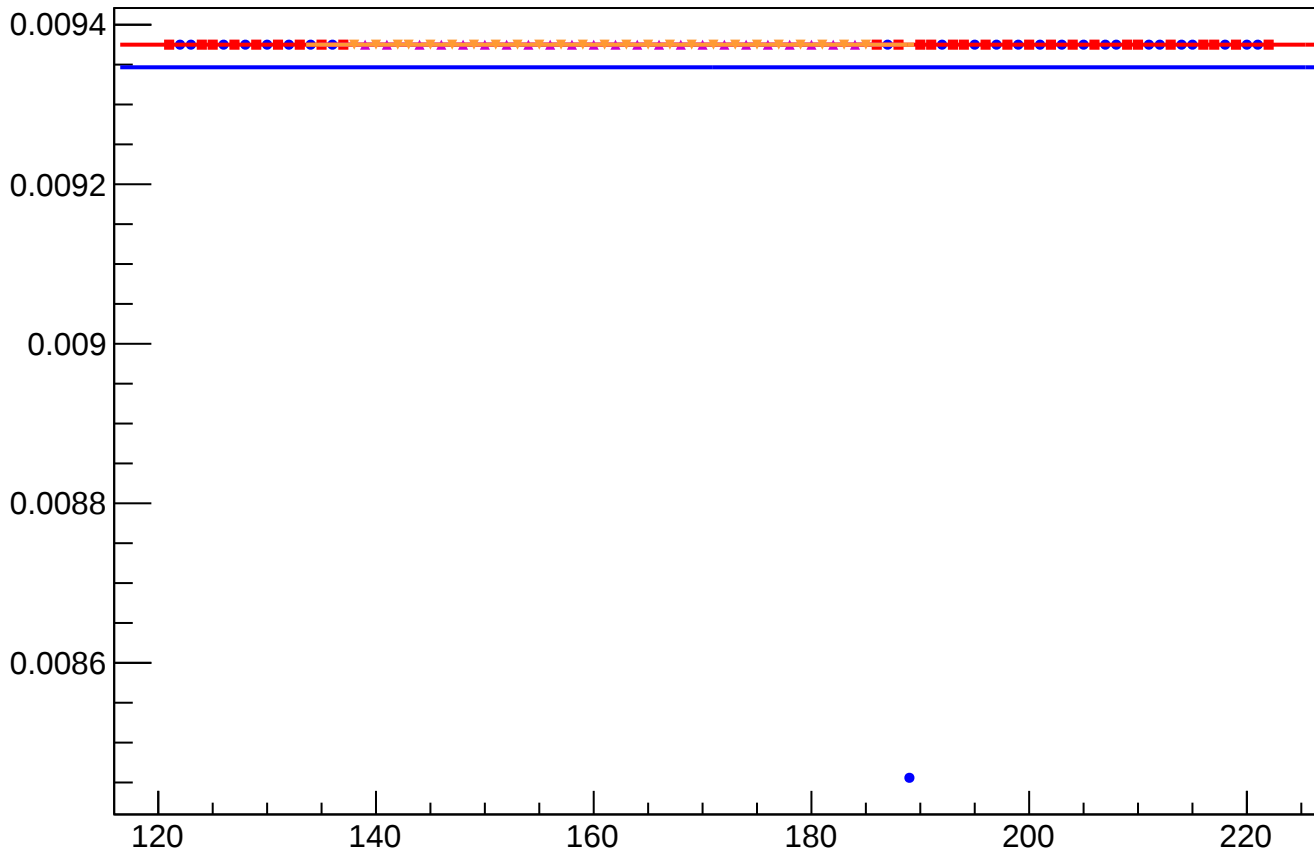
- sign 2174.570+/-0.000 χ^2/NDF : 10834250455921

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 1100105571708730030948352.0/25	+ sign -0.000+/-0.000	χ^2/NDF : 2408350513688746
Left Out: -0.000+/-0.000	χ^2/NDF : 450400934180541069000704.0/24	All: -0.000+/-0.000	χ^2/NDF : 5058595356447
Right Out: -0.000+/-0.000	χ^2/NDF : 1393068240675342716502016.0/27	- sign -0.000+/-0.000	χ^2/NDF : 26472329636213896
Left In: -0.000+/-0.000	χ^2/NDF : 562166279020739416817664.0/22		

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41754380404610877527949312.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/27

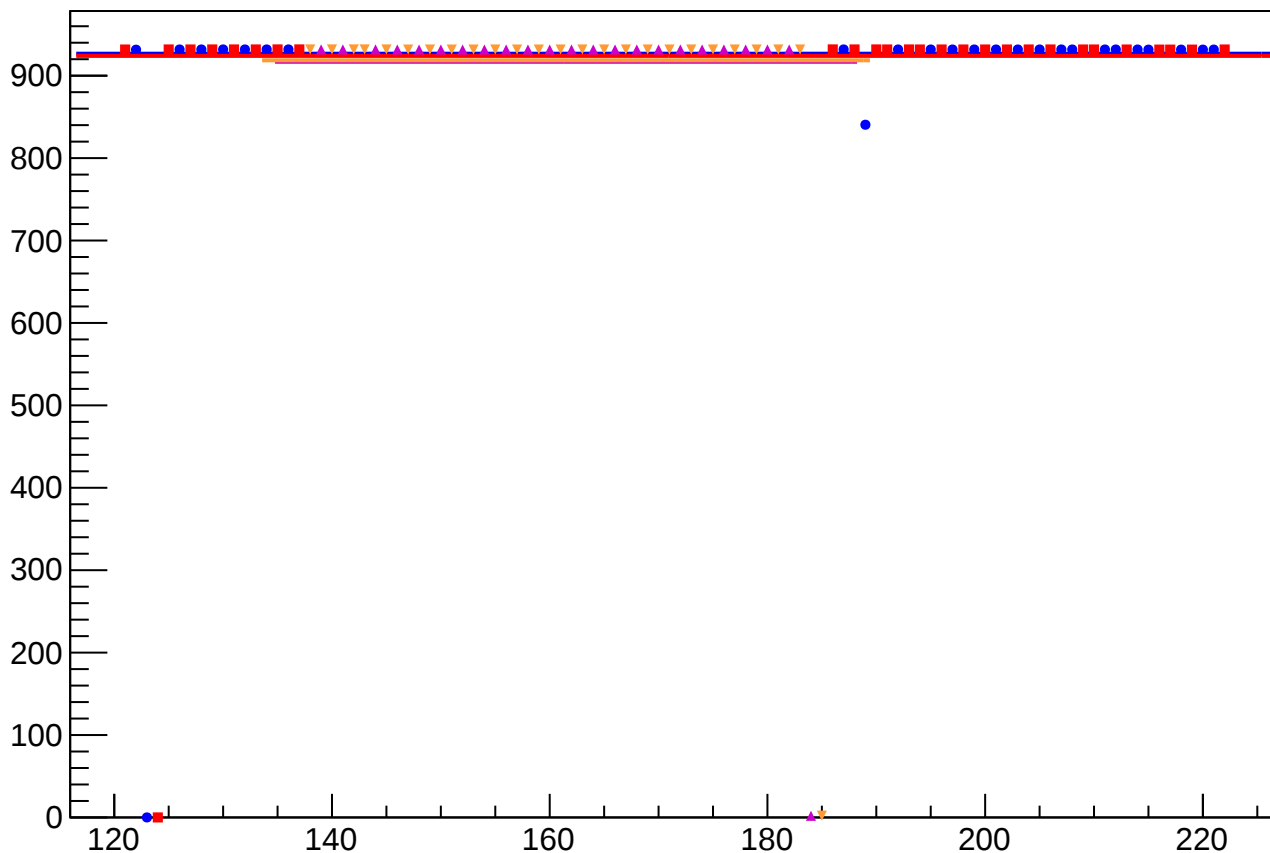
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42466949943040878

All: 0.009+/-0.000 χ^2/NDF : 42772235847462

- sign 0.009+/-0.000 χ^2/NDF : 0.2/50

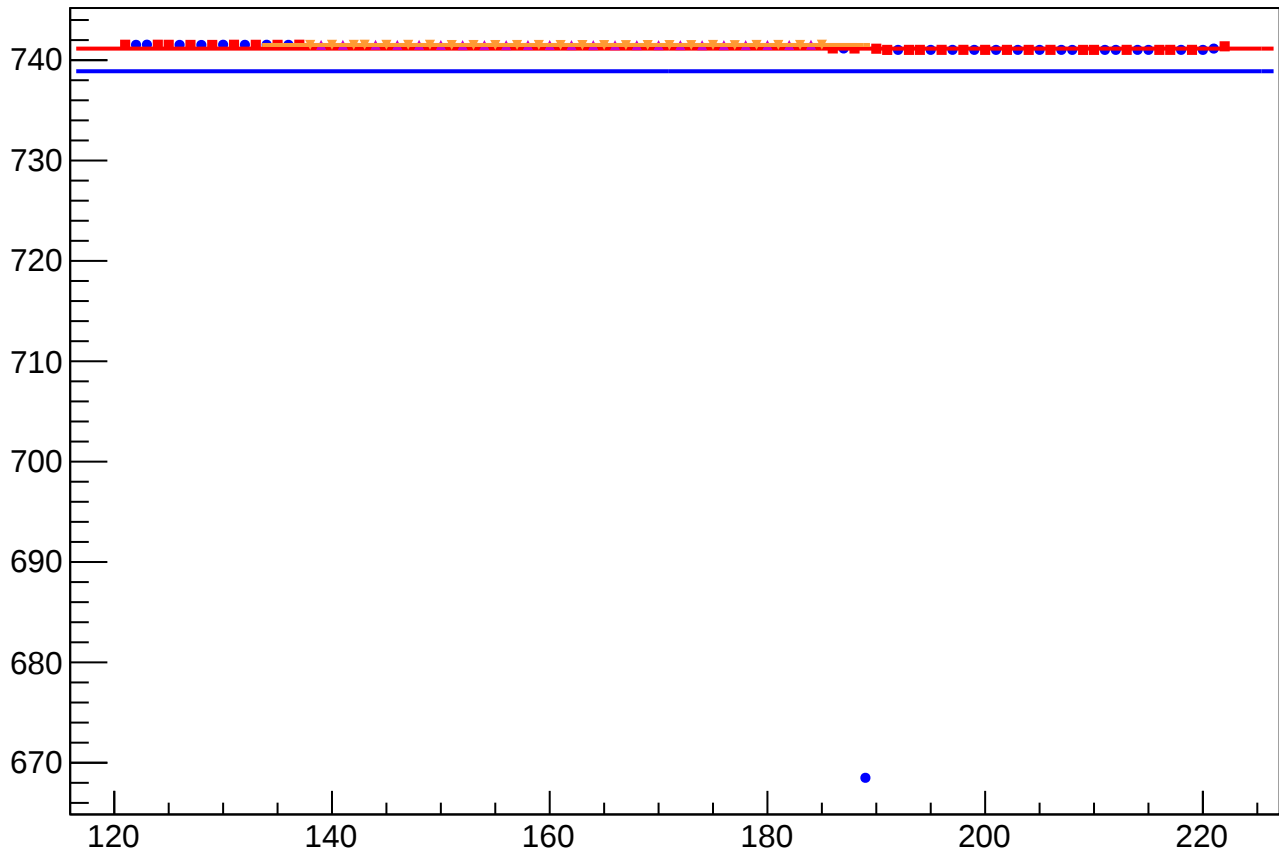
HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 926.687+/-0.000 χ^2/NDF : 3854763332547090257995759099463073792.0/25
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 924.015+/-0.000 χ^2/NDF : 12052764223484109610741557344669270016.0/27
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

+ sign 922.376+/-0.000 χ^2/NDF : 269155715860903
 All: 921.358+/-0.000 χ^2/NDF : 636879541904
 - sign 920.321+/-0.000 χ^2/NDF : 367649358632182

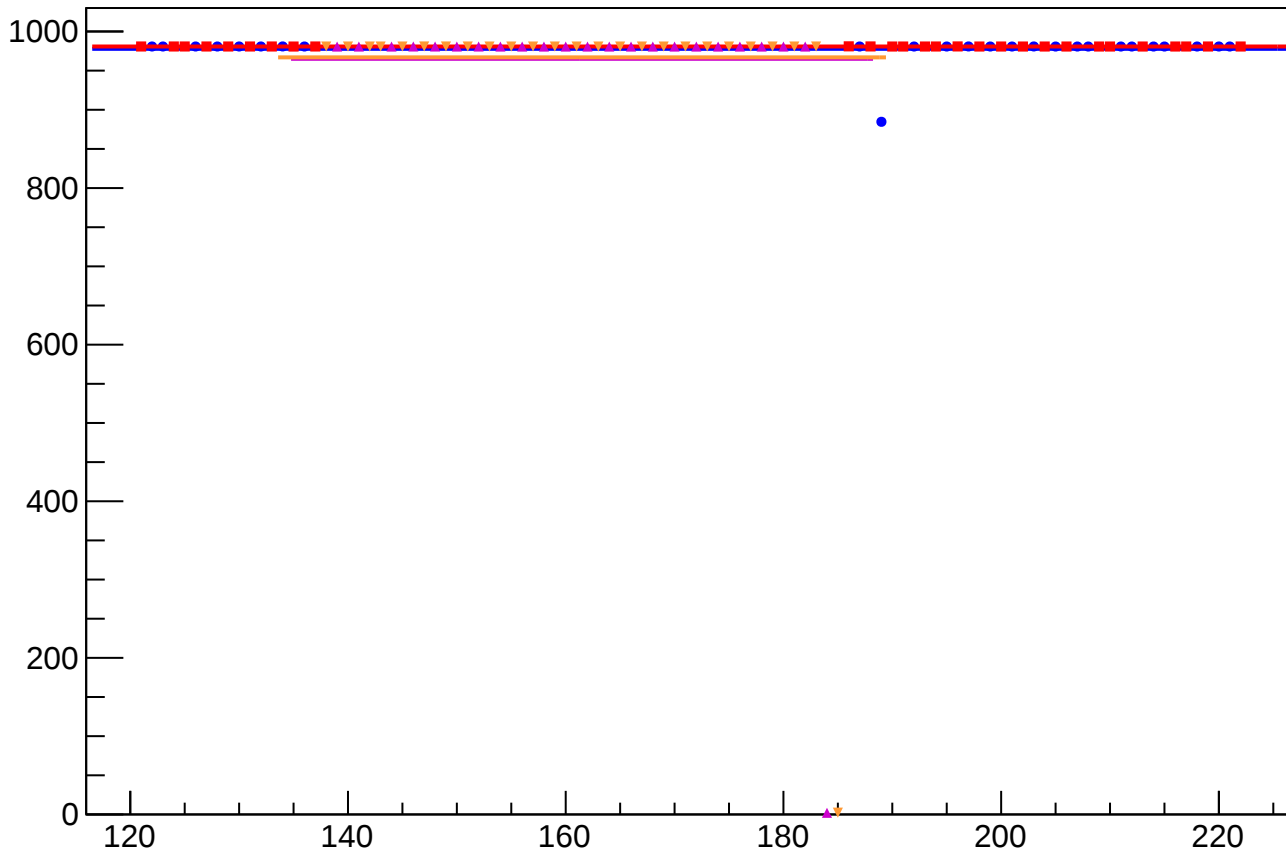
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 738.896+/-0.000	χ^2/NDF : 260839444842970977708662229231992832.0/25
Left Out: 741.513+/-0.000	χ^2/NDF : 244782737401533731539808944128.0/24
Right Out: 741.151+/-0.000	χ^2/NDF : 66829894582913238435658633052160.0/27
Left In: 741.512+/-0.000	χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 740.299+/-0.000 χ^2/NDF : 266910225464131
 All: 740.813+/-0.000 χ^2/NDF : 26899818418
 - sign 741.338+/-0.000 χ^2/NDF : 180726665577809

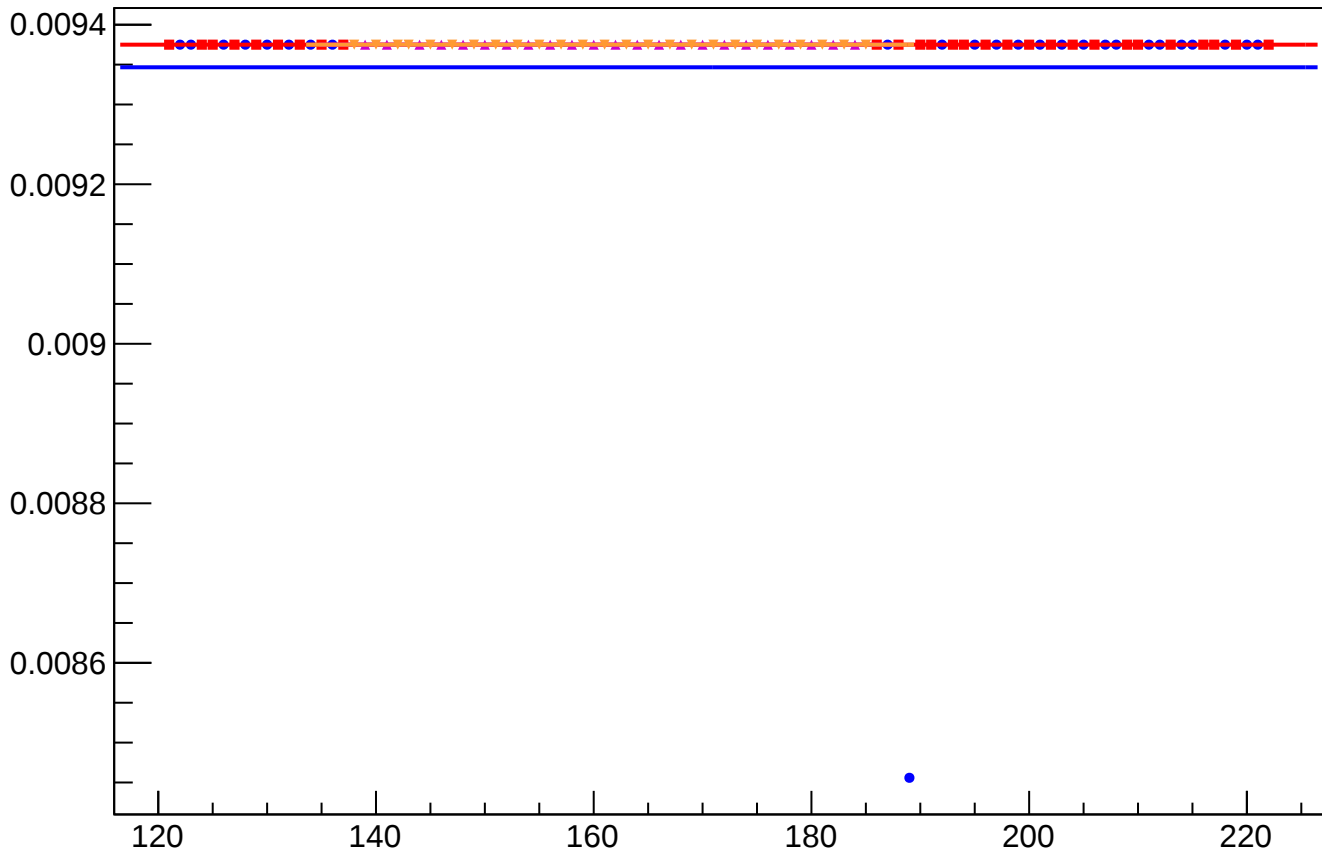
HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.841+/-0.000 χ^2/NDF : 457115578979385294527545415697432576.0/25
Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24
Right Out: 980.815+/-0.000 χ^2/NDF : 3546990935795615348060042821632.0/27
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 971.995+/-0.000 χ^2/NDF : 260480774811809
All: 972.329+/-0.000 χ^2/NDF : 535945139707
- sign 972.669+/-0.000 χ^2/NDF : 275456372031104

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41754380404610877527949312.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/27

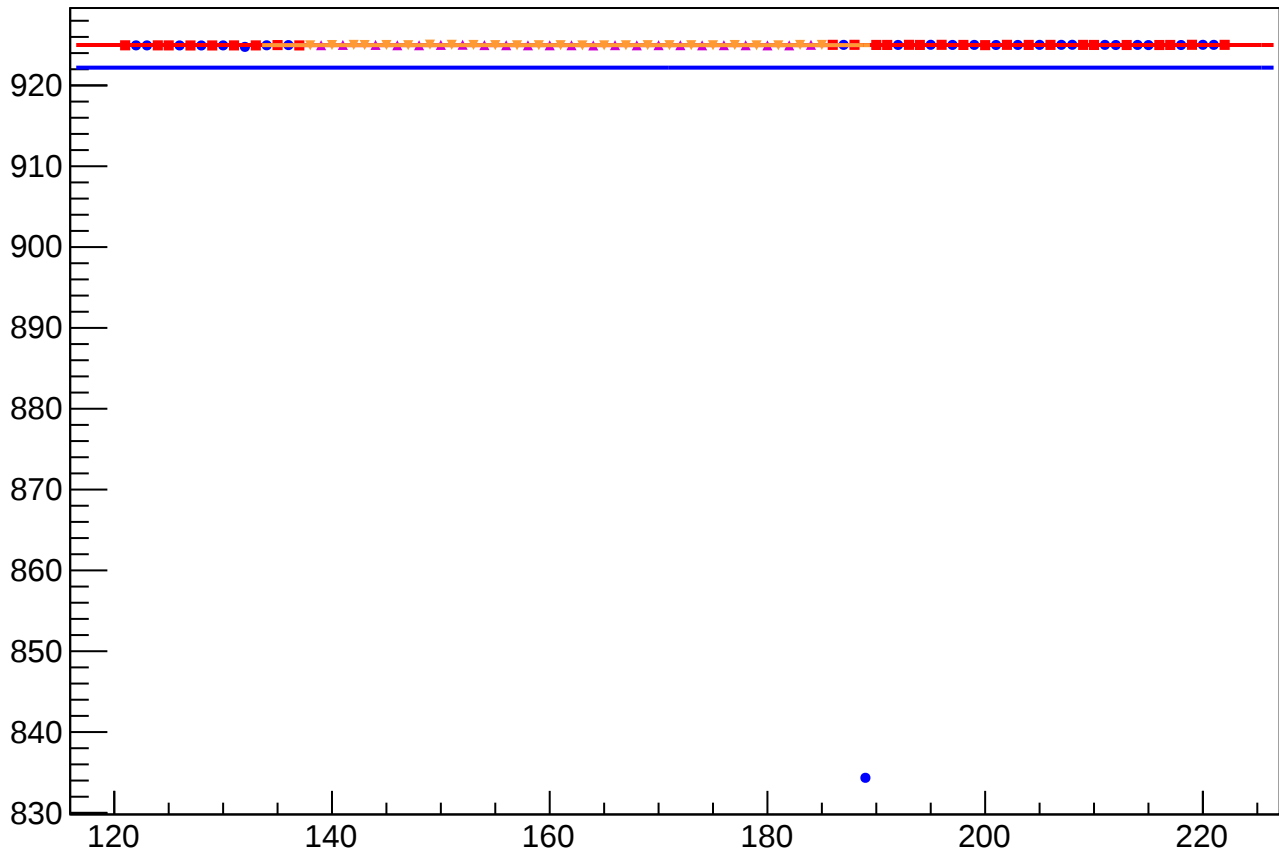
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42466949943040878

All: 0.009+/-0.000 χ^2/NDF : 42772235847462

- sign 0.009+/-0.000 χ^2/NDF : 0.2/50

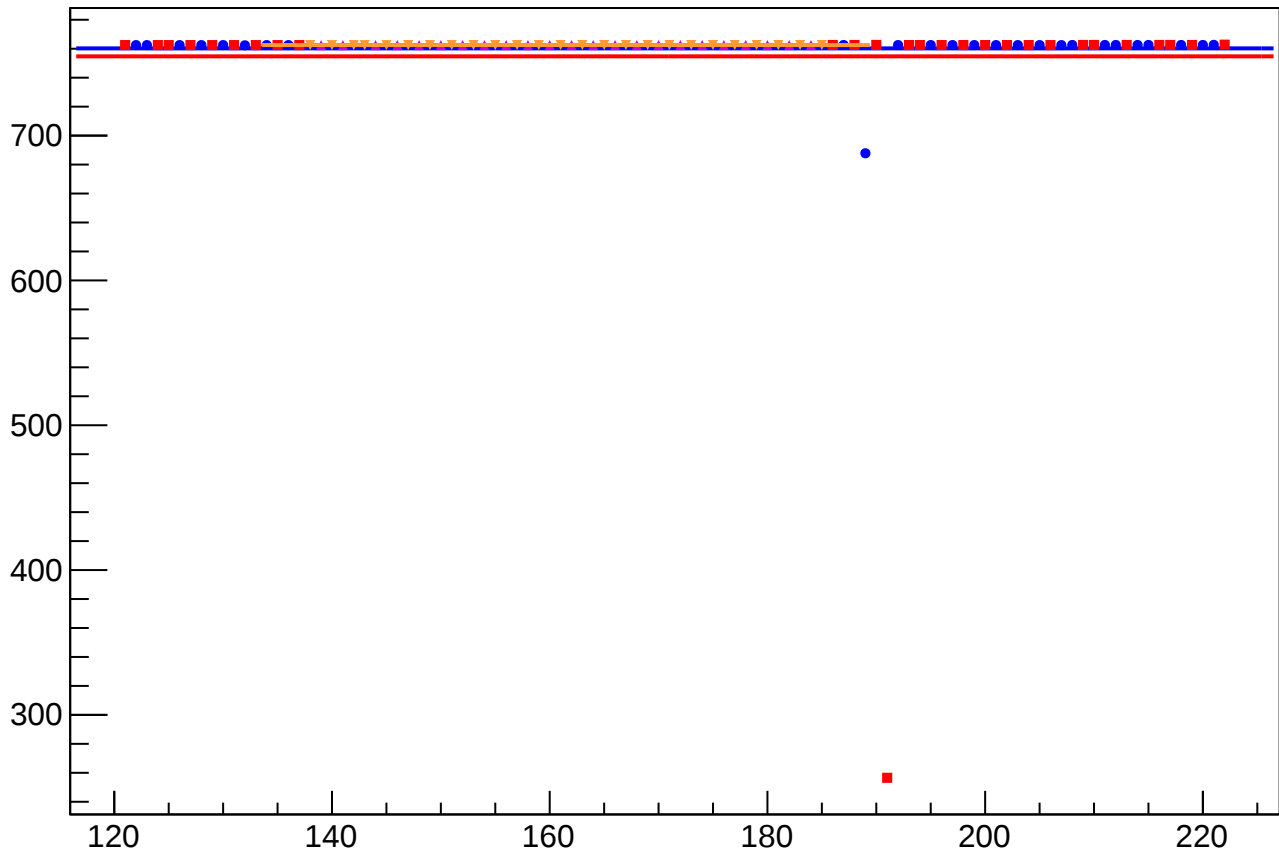
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 922.200+/-0.000 χ^2/NDF : 406213377629817701571233956042375168.0/25
Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
Right Out: 925.001+/-0.000 χ^2/NDF : 973184992740320406106317783040.0/27
Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22

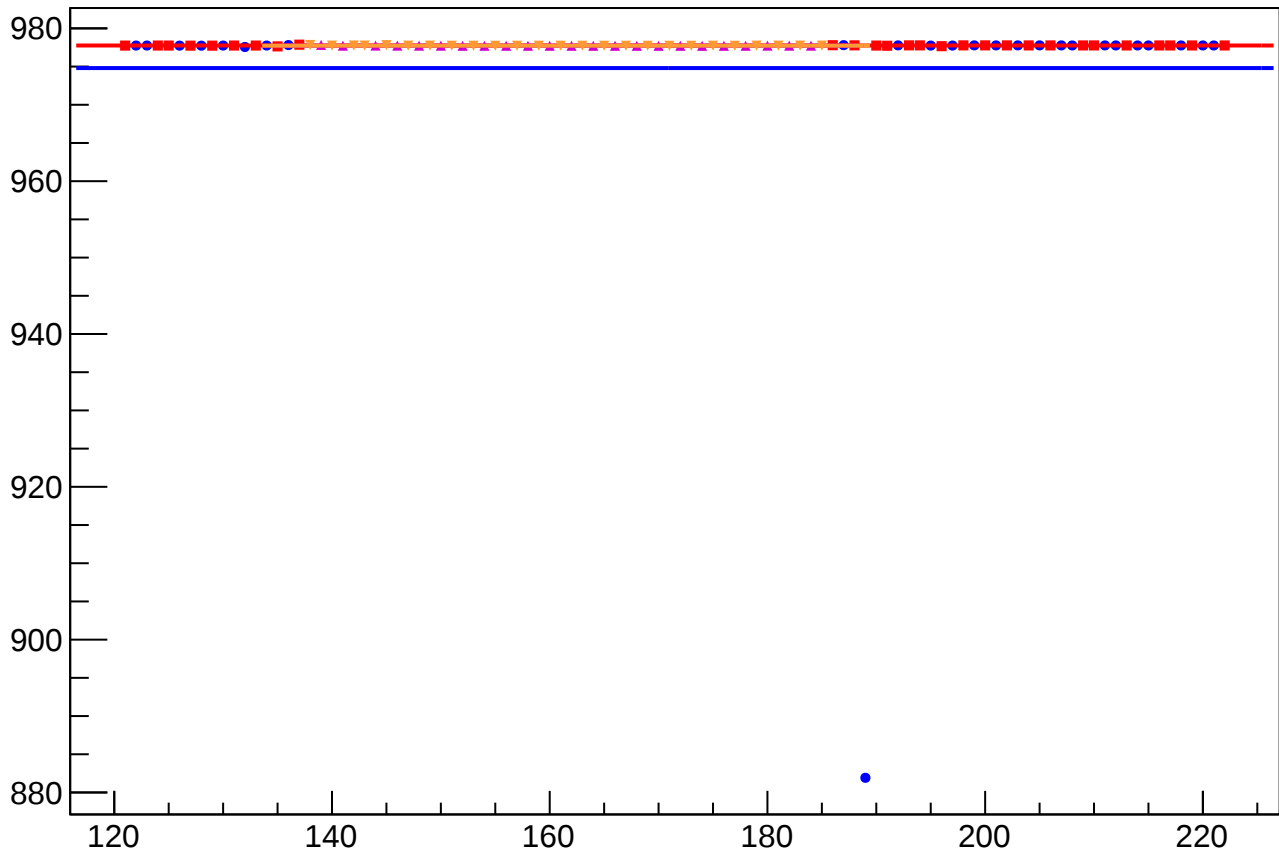
+ sign 923.691+/-0.000 χ^2/NDF : 413077377547889
All: 924.335+/-0.000 χ^2/NDF : 41606160198
- sign 924.992+/-0.000 χ^2/NDF : 215595369167241

HacR_D1_HP3458A_IOUT_mean vs Slug



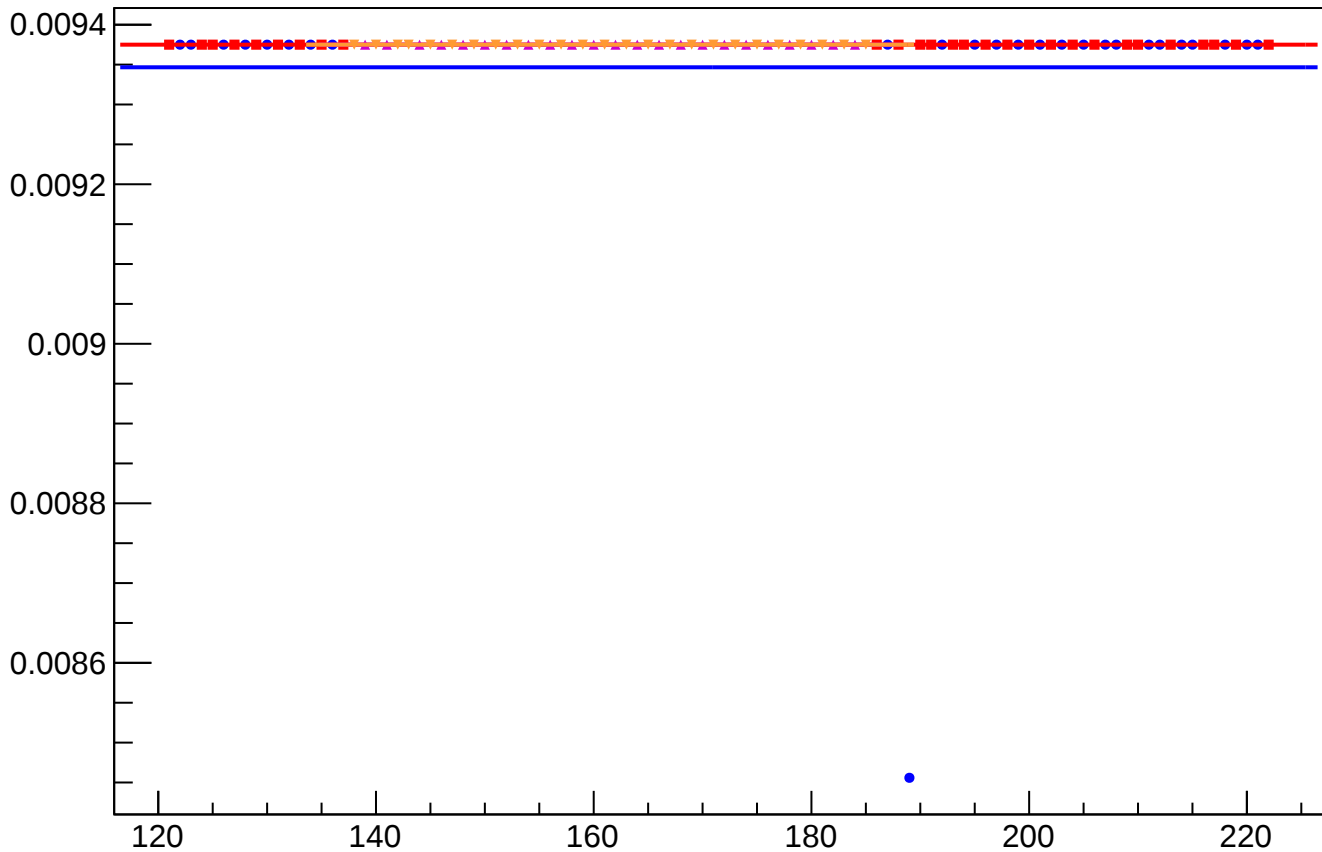
Right In: 760.233+/-0.000 χ^2/NDF : 276005777170244675890737120653869056.0/25
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 754.734+/-0.000 χ^2/NDF : 6554165810304852772308358919866023936.0/27
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 760.128+/-0.000 χ^2/NDF : 690039431365
 + sign 761.458+/-0.000 χ^2/NDF : 280635289456707
 - sign 758.770+/-0.000 χ^2/NDF : 660701800309449

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 974.804+/-0.000	χ^2/NDF : 454007493890890147232947338041360384.0/25	+ sign 976.377+/-0.000	χ^2/NDF : 461636710138790
Left Out: 977.738+/-0.000	χ^2/NDF : 1154150409979077132991401558016.0/24	All: 977.054+/-0.000	χ^2/NDF : 46494731695
Right Out: 977.758+/-0.000	χ^2/NDF : 1862006548192555197437333995520.0/27	- sign 977.746+/-0.000	χ^2/NDF : 329627650310600
Left In: 977.735+/-0.000	χ^2/NDF : 976503887937607318263199432704.0/22		

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41754380404610877527949312.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

+ sign 0.009+/-0.000 χ^2/NDF : 42466949943040878

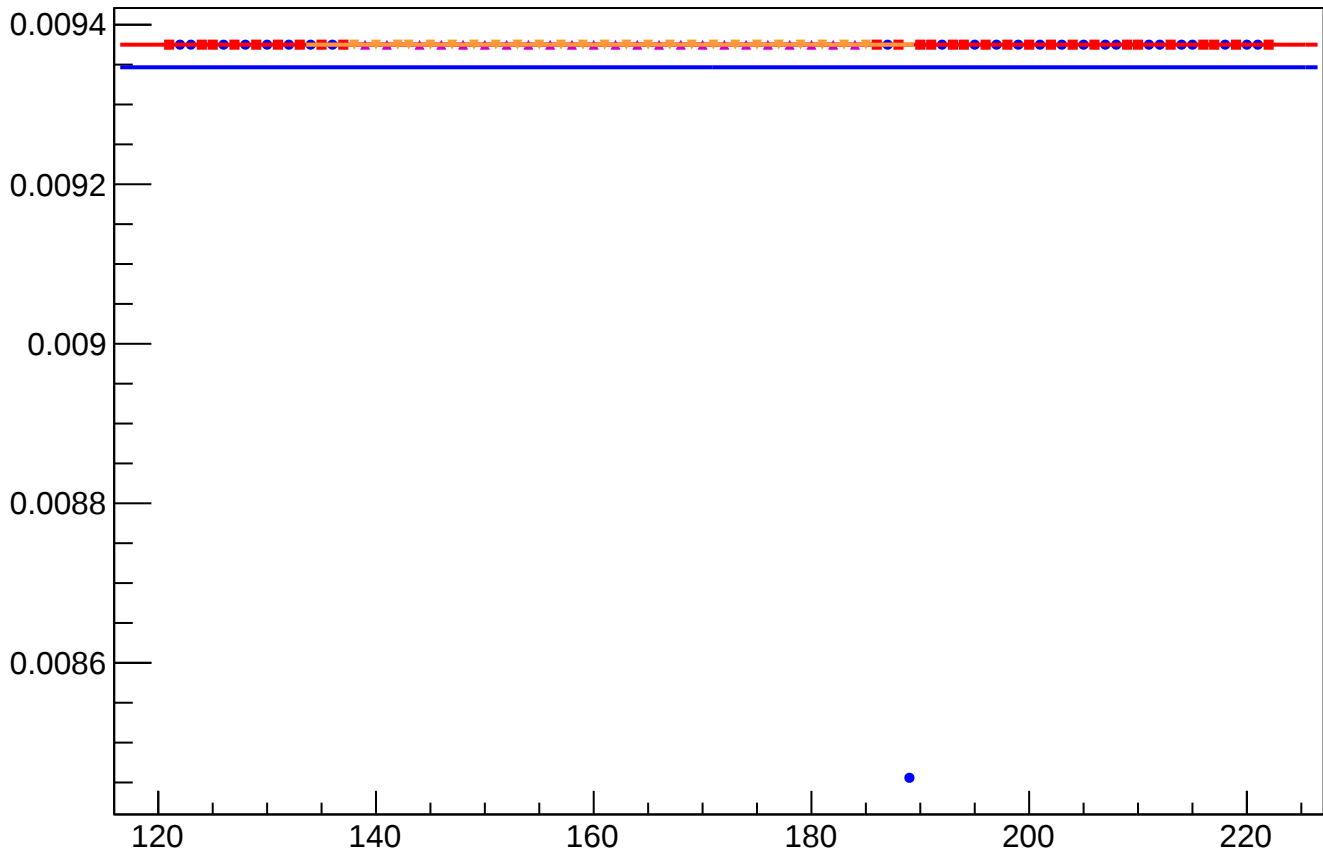
Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/27

All: 0.009+/-0.000 χ^2/NDF : 42772235847462

- sign 0.009+/-0.000 χ^2/NDF : 0.2/50

Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41754380404610877527949312.0/25

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/27

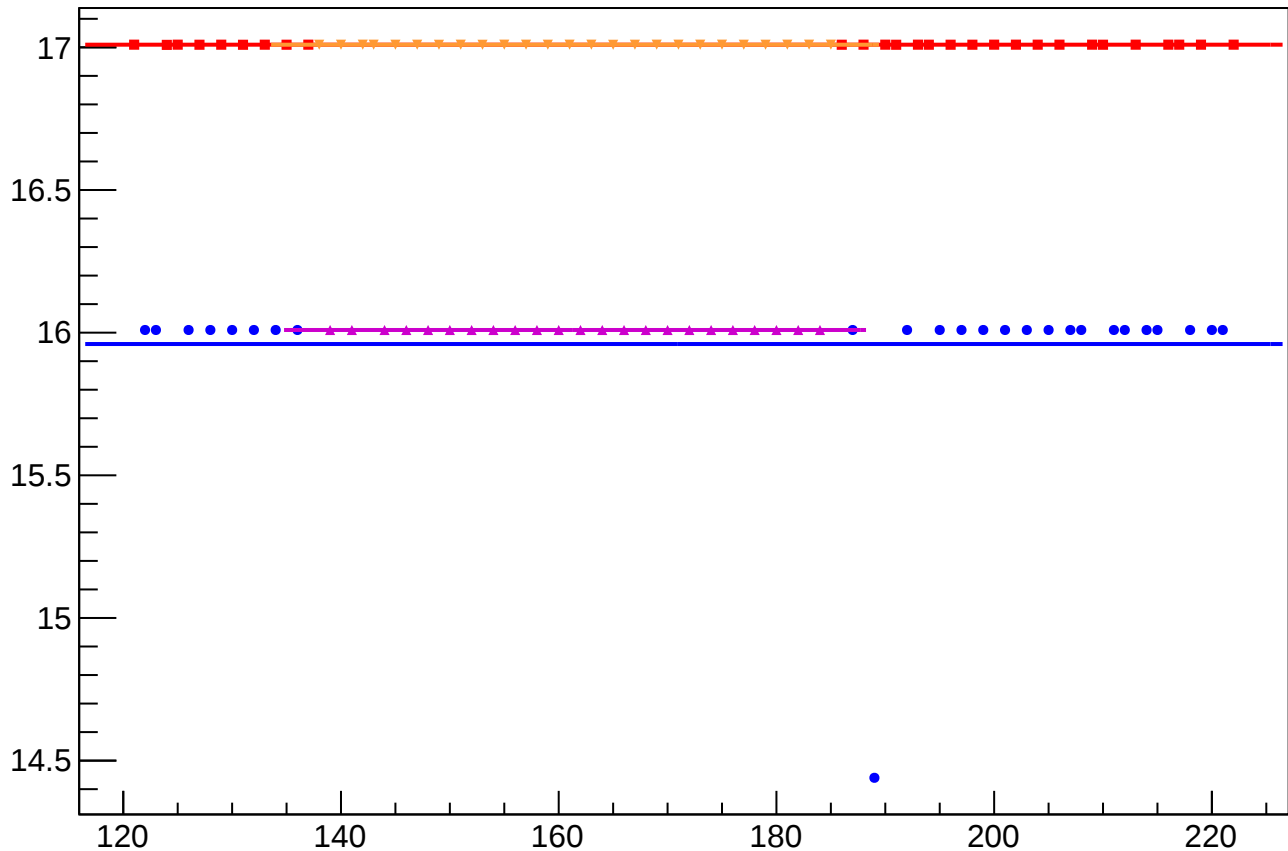
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42466949943040878

All: 0.009+/-0.000 χ^2/NDF : 42772235847462

- sign 0.009+/-0.000 χ^2/NDF : 0.2/50

IGL1I00DI24_24M_mean vs Slug



Right In: 15.960 $\pm$ 0.000 χ^2 /NDF: 121697991374373375214646758211584.0/25

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26284444608576238643052544.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 18810444464002771571441664.0/27

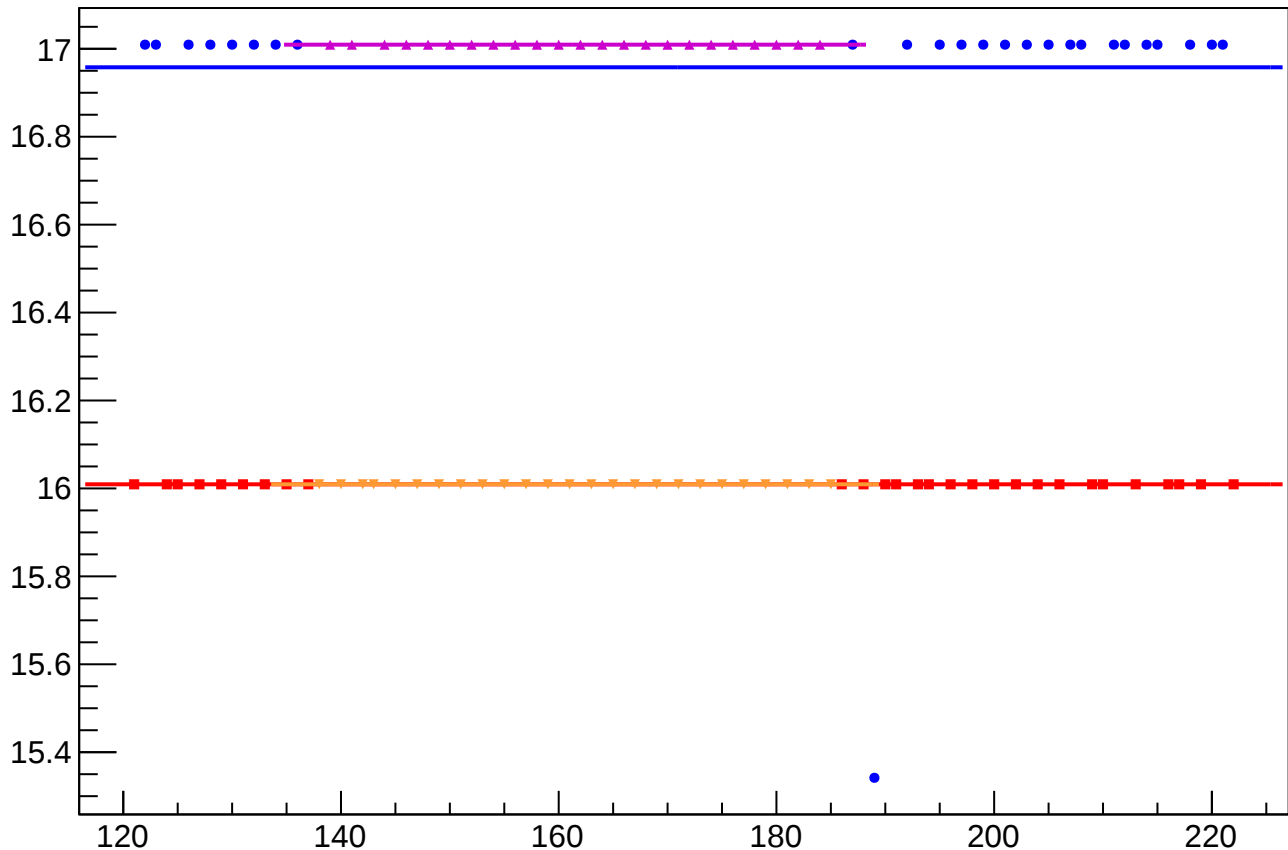
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127973174512756677672960.0/22

+ sign 16.508 $\pm$ 0.000 χ^2 /NDF: 1055989920873825

All: 16.507 $\pm$ 0.000 χ^2 /NDF: 1893115596256

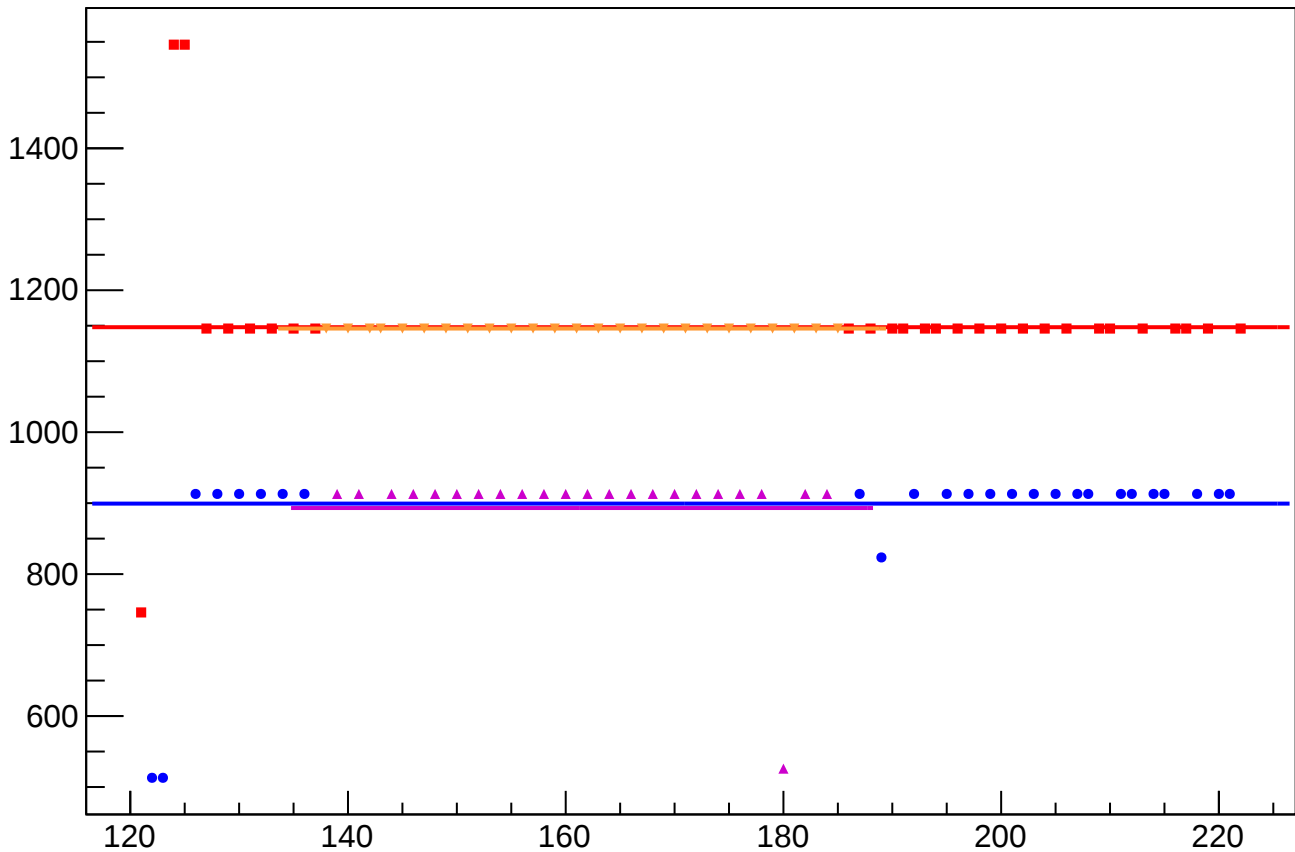
- sign 16.507 $\pm$ 0.000 χ^2 /NDF: 8371247683411518

IGL1I00OD16_16_mean vs Slug



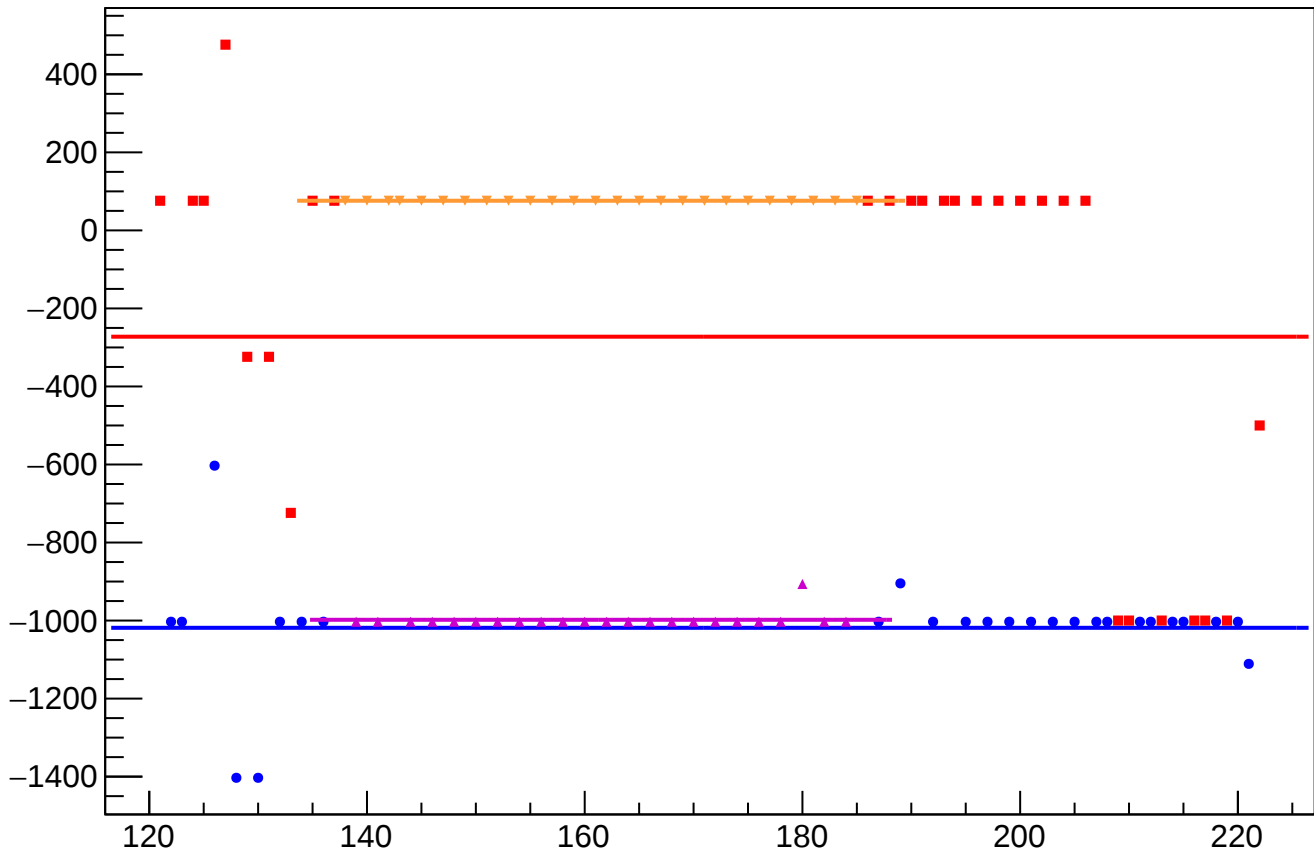
Right In: 16.958 $\pm$ 0.000 χ^2 /NDF: 137446172117079411735218714836992.0/25
 Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 89740.8/24 + sign 16.452 $\pm$ 0.000 χ^2 /NDF: 9300357608281521
 Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 324316.5/27 All: 16.487 $\pm$ 0.000 χ^2 /NDF: 1799868157136
 Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 115033472633445654986752.0/22 - sign 16.522 $\pm$ 0.000 χ^2 /NDF: 8614853503206995

RTPAPOSUCNT_mean vs Slug



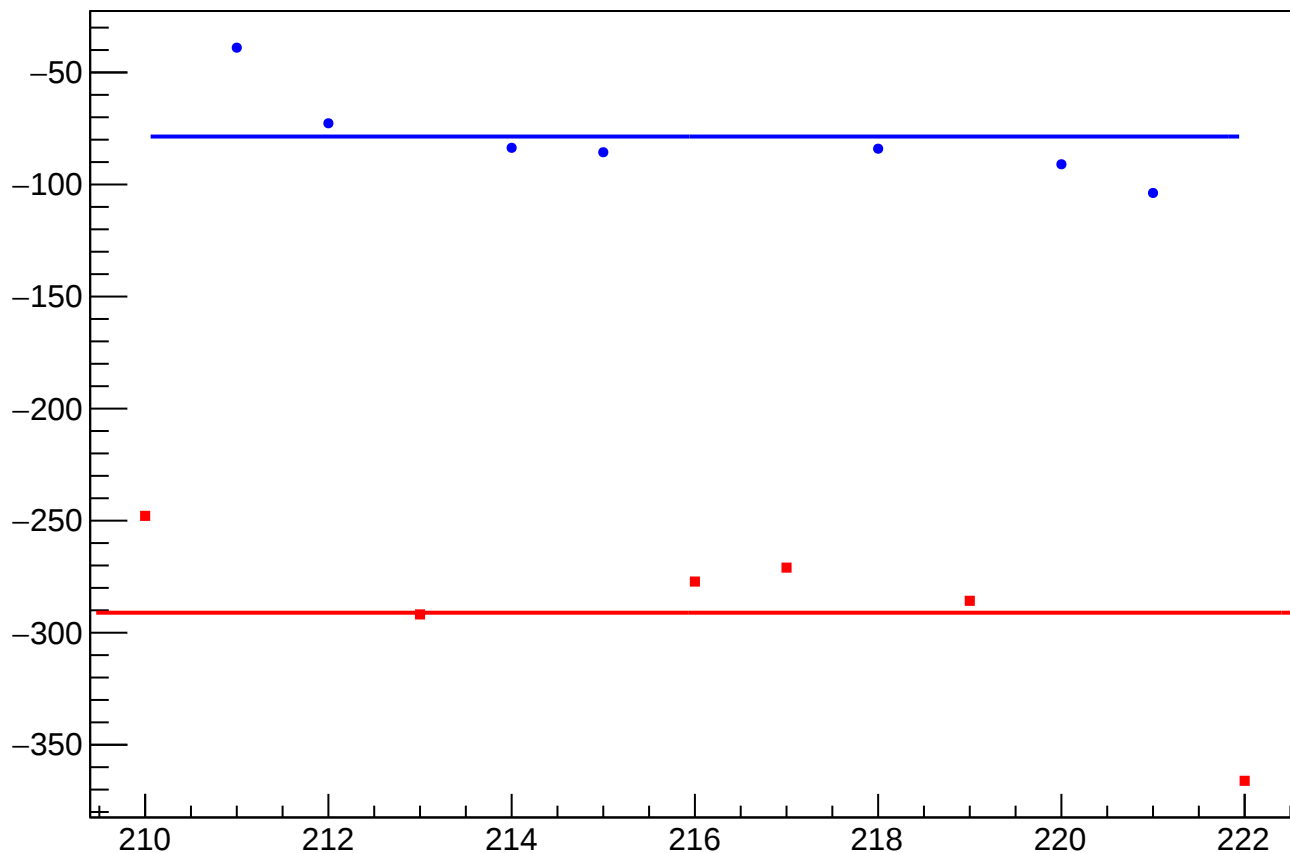
Right In: 899.343+/-0.000 χ^2/NDF : 7300630087033299654464367711894896640.0/25
 Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24
 Right Out: 1147.912+/-0.000 χ^2/NDF : 13754579422090387458352600679635222528.0/27
 Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1018.559 ± 0.000 χ^2/NDF : 23805323481454850854856926816418922496.0/25
 Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24
 Right Out: -272.450 ± 0.000 χ^2/NDF : 397621094168612816582923745593856622592.0/27
 Left In: -998.020 ± 0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22

RTPPITA1CNT_mean vs Slug



Right In: -78.597+/-0.000 χ^2/NDF : 172383595230941264121754610971967488.0/6

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

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

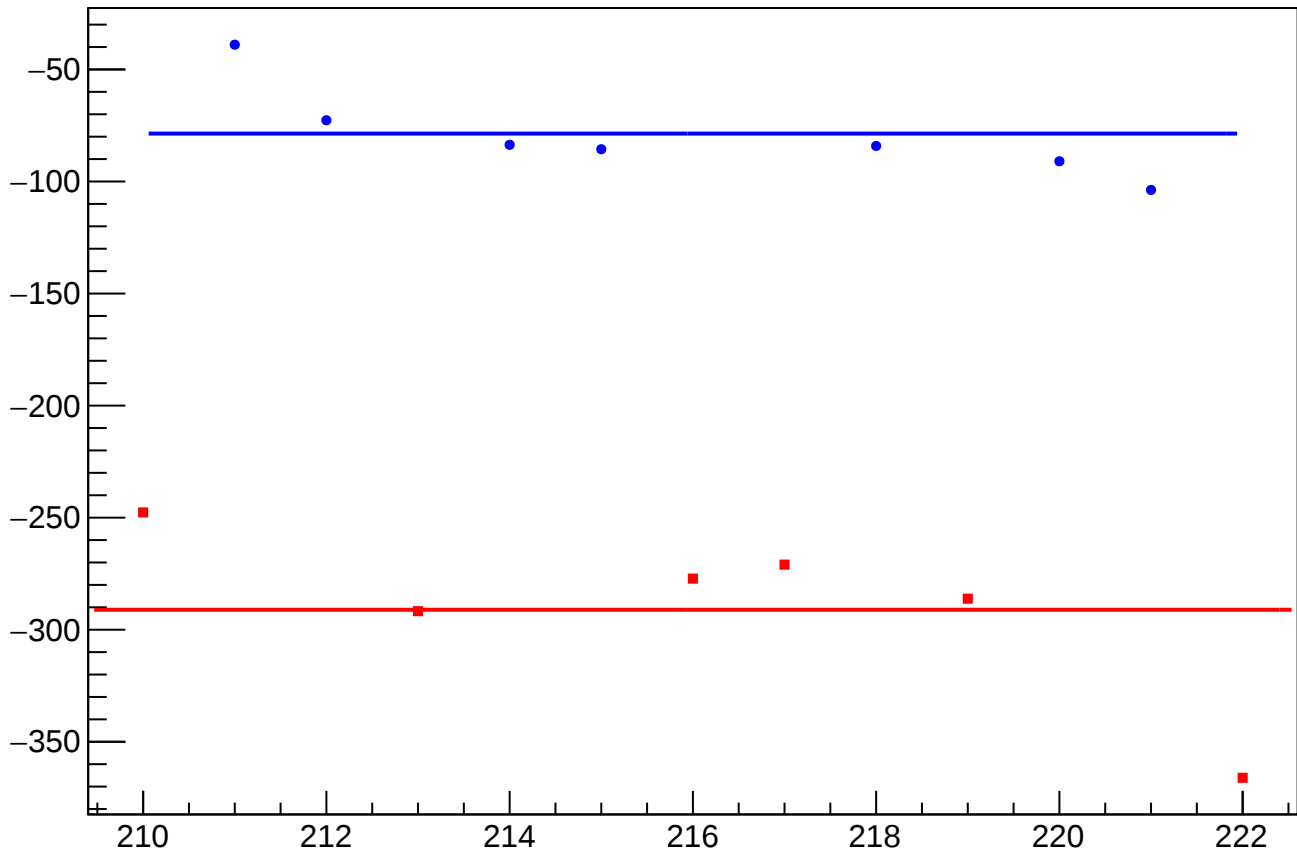
All: -179.483+/-0.000 χ^2/NDF : 11764660863

Right Out: -291.069+/-0.000 χ^2/NDF : 638758094671964513255567354130071552.0/5

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

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

RTPPITA2CNT_mean vs Slug



Right In: -78.615 $\pm$ 0.000 χ^2 /NDF: 172484080600979476798655214062141440.0/6

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

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

All: -179.504 $\pm$ 0.000 χ^2 /NDF: 11766105917

Right Out: -291.093 $\pm$ 0.000 χ^2 /NDF: 639569226255436854814075772110635008.0/5

- 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