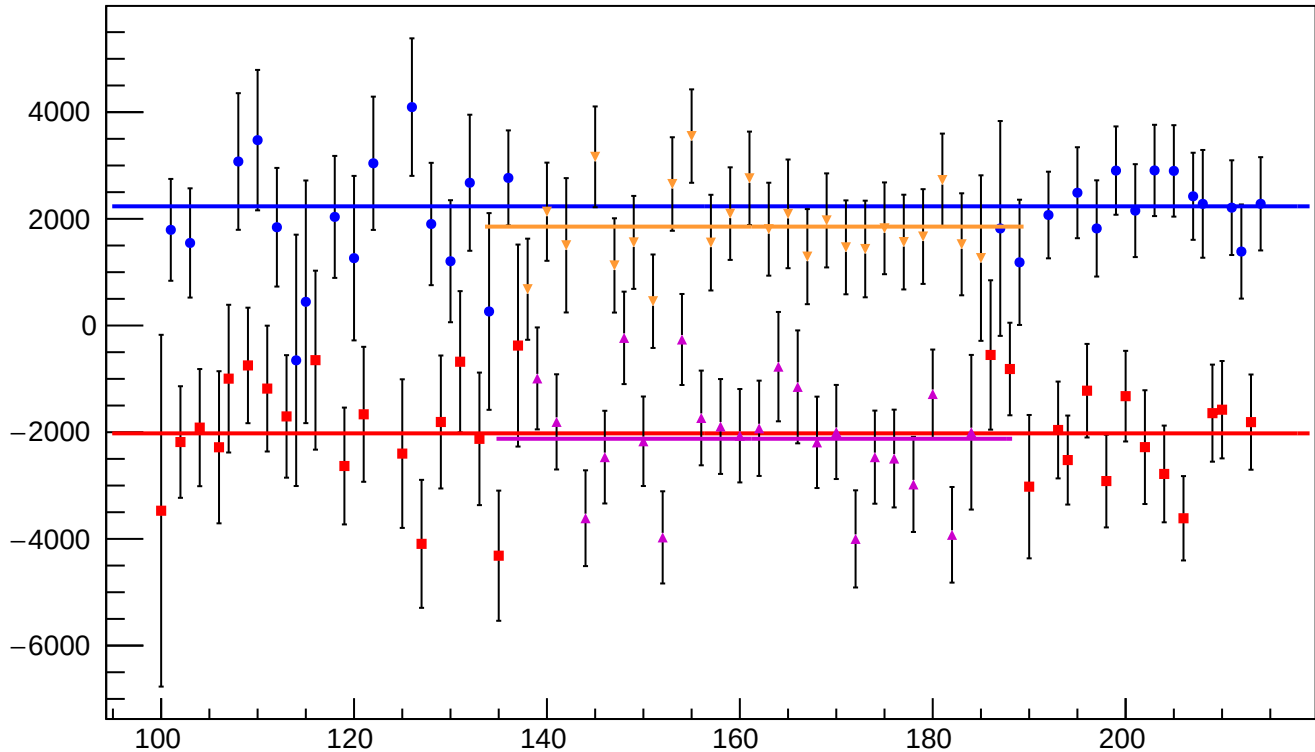


reg_asym_us_avg_mean vs Slug



Right In: 2234.642 $\pm$ 190.767

χ^2 /NDF: 13.7/29

Left Out: 1854.267 $\pm$ 187.405

χ^2 /NDF: 15.1/23

Right Out: -2021.592 $\pm$ 190.957

χ^2 /NDF: 24.0/31

Left In: -2123.138 $\pm$ 188.684

χ^2 /NDF: 32.0/22

+ sign 2041.074 $\pm$ 133.688

χ^2 /NDF: 30.8/53

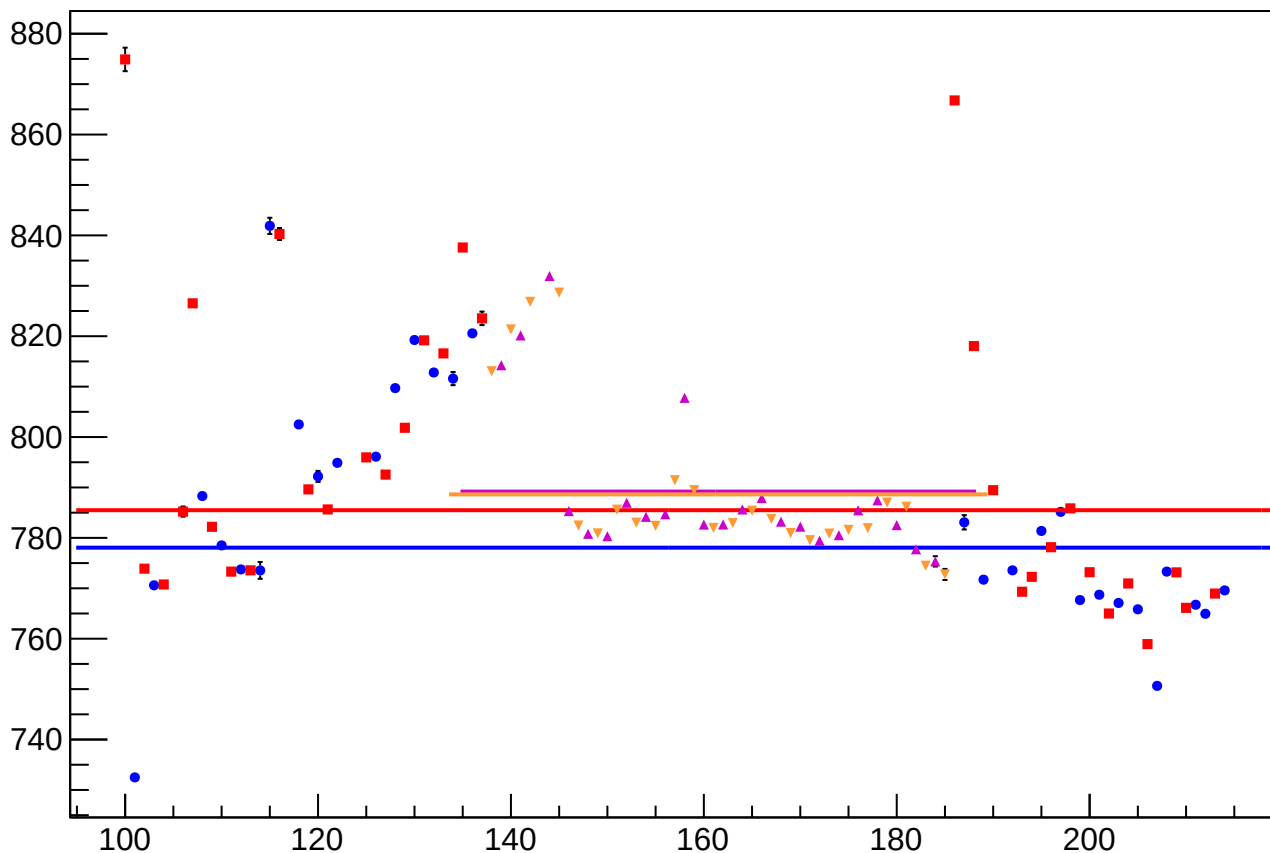
All: -7.842 $\pm$ 94.718

χ^2 /NDF: 558.7/108

- sign -2072.973 $\pm$ 134.216

χ^2 /NDF: 56.2/54

reg_asym_us_avg_rms vs Slug



Right In: 778.057 $\pm$ 0.135 χ^2 /NDF: 23879.8/29

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

Right Out: 785.490 $\pm$ 0.135 χ^2 /NDF: 30702.1/31

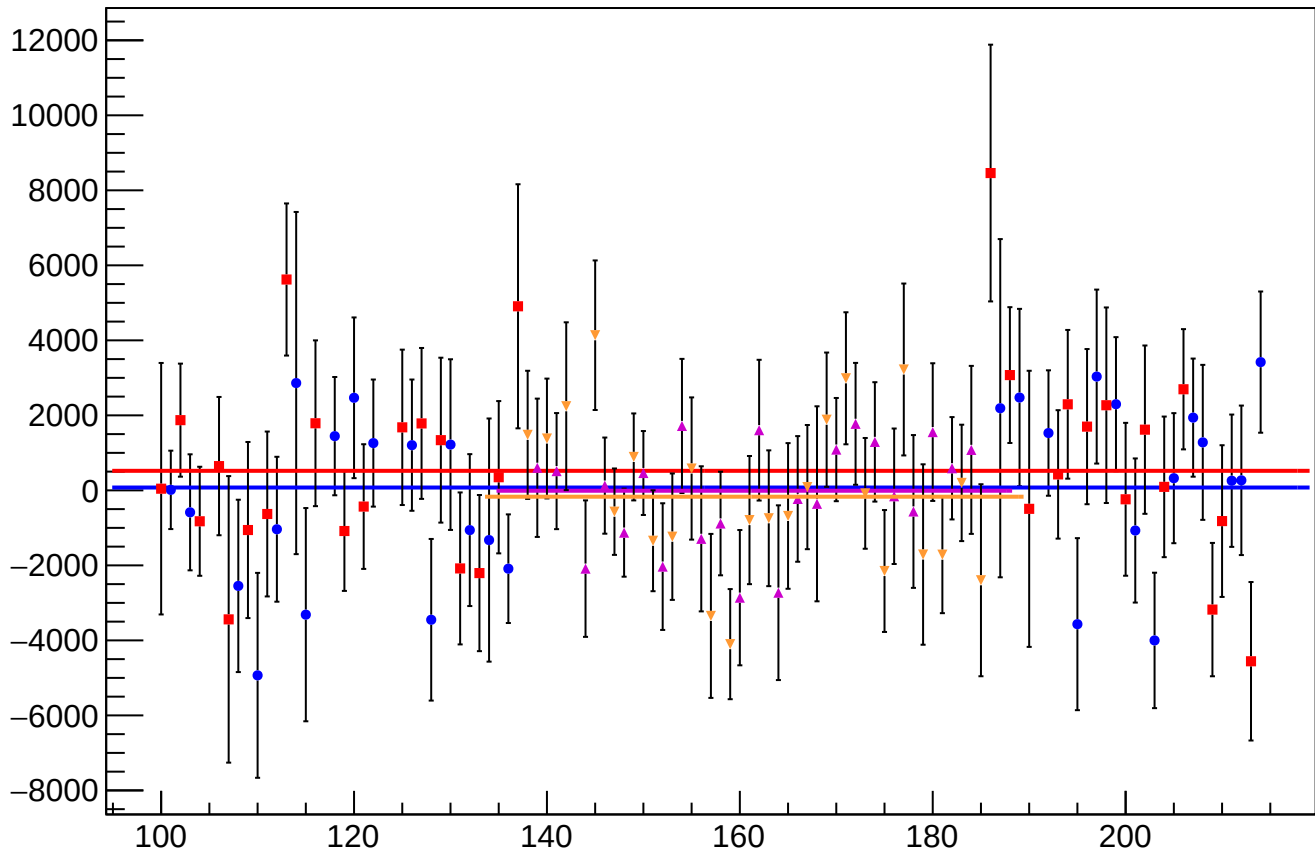
Left In: 789.185 $\pm$ 0.133 χ^2 /NDF:11343.2/22

+ sign 783.437 $\pm$ 0.095 χ^2 /NDF: 38483.6/53

All: 785.391 $\pm$ 0.067 χ^2 /NDF: 81765.1/108

- sign 787.359 $\pm$ 0.095 χ^2 /NDF: 42424.3/54

asym_us_avg_correction_mean vs Slug



Right In: 75.826 $\pm$ 347.244 χ^2 /NDF: 33.6/29

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

Right Out: 521.102 $\pm$ 358.233 χ^2 /NDF: 39.4/31

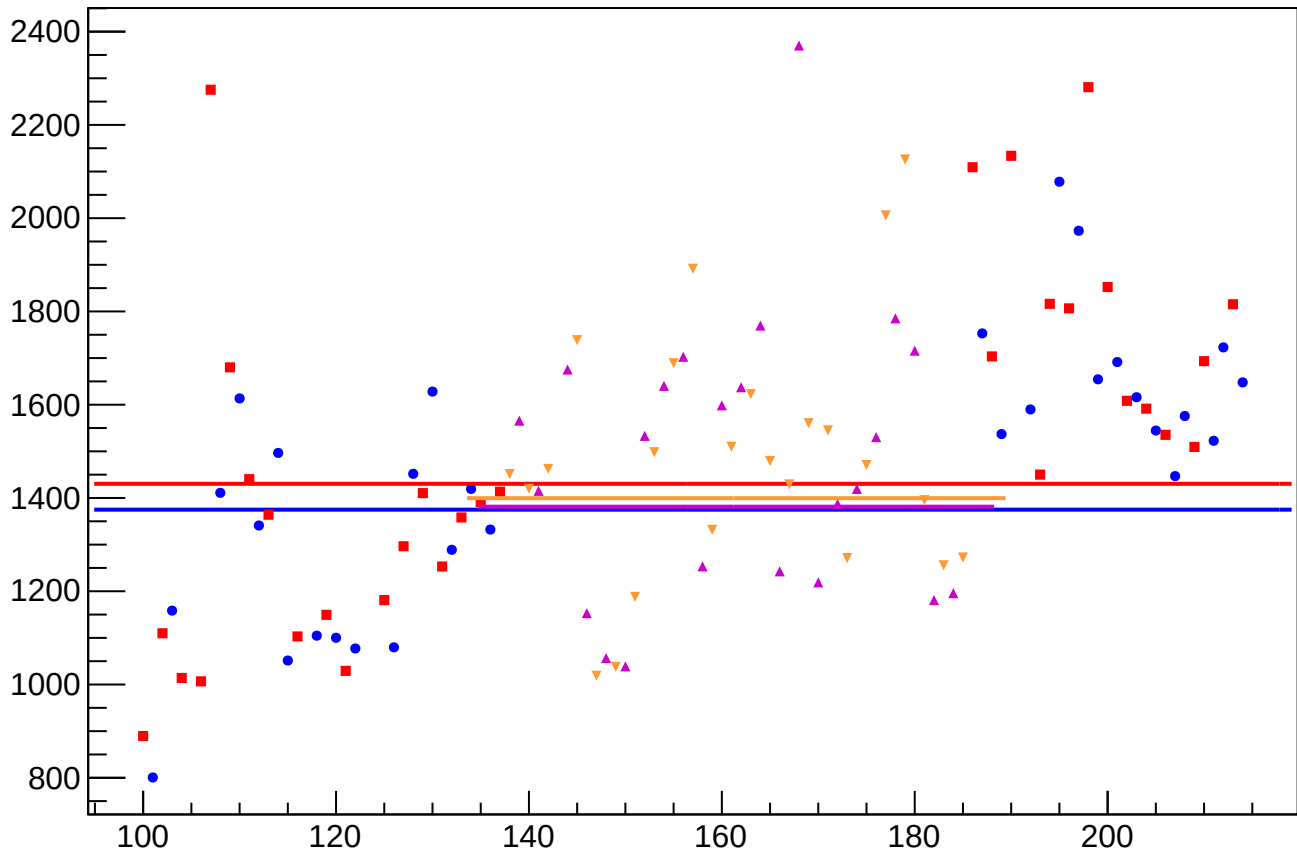
Left In: -10.093 $\pm$ 337.810 χ^2 /NDF:14.2/22

+ sign -49.115 $\pm$ 243.080 χ^2 /NDF: 63.9/53

All: 93.817 $\pm$ 172.827 χ^2 /NDF: 119.3/108

- sign 239.932 $\pm$ 245.771 χ^2 /NDF: 54.7/54

asym_us_avg_correction_rms vs Slug



Right In: 1374.969 $\pm$ 0.246 χ^2 /NDF: 1605398.3/29

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

+ sign 1387.523 $\pm$ 0.172 χ^2 /NDF: 2729649.5/53

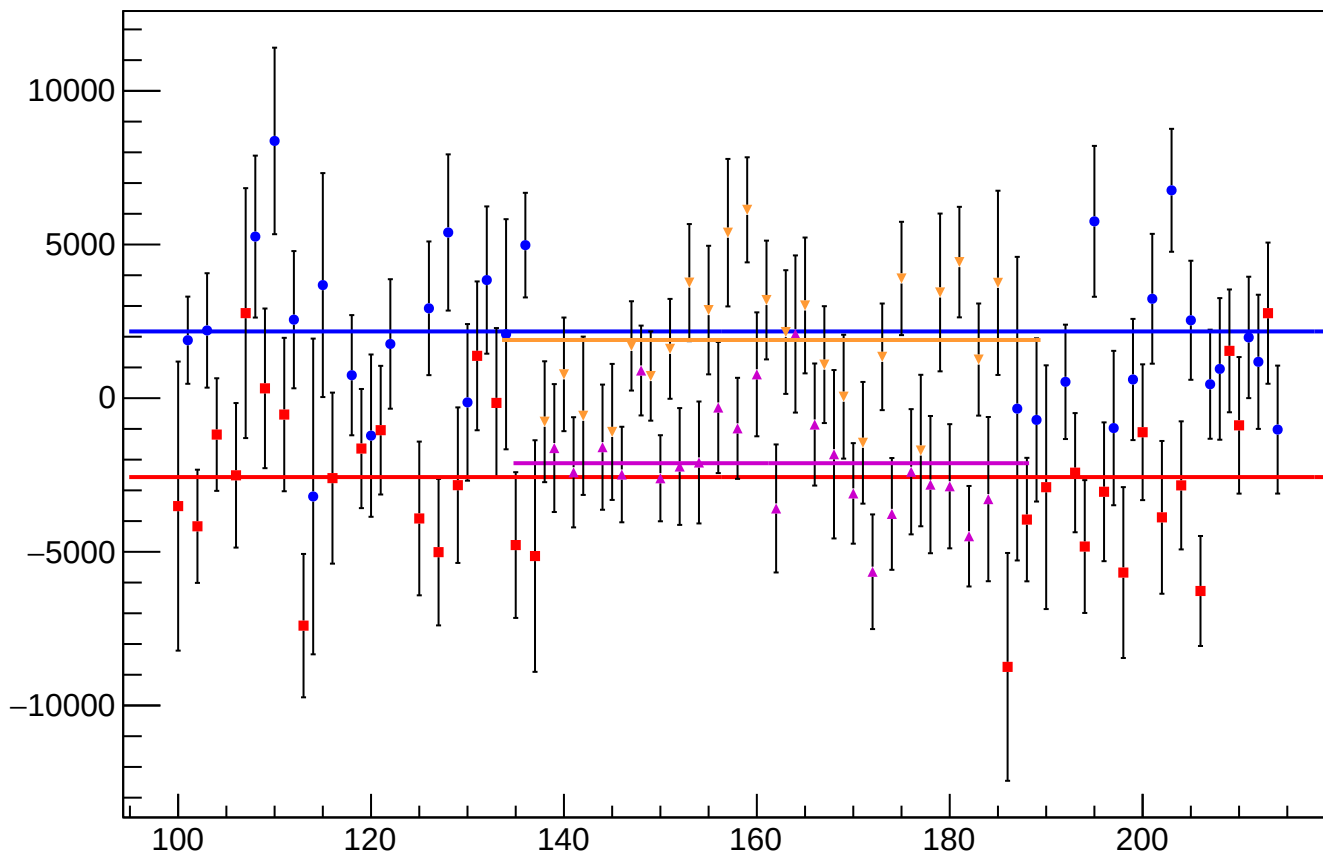
Right Out: 1430.389 $\pm$ 0.253 χ^2 /NDF: 1591718.0/31

All: 1395.887 $\pm$ 0.122 χ^2 /NDF: 5622474.4/10

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

- sign 1404.436 $\pm$ 0.174 χ^2 /NDF: 2888037.1/54

asym_us_avg_mean vs Slug



Right In: 2171.831 $\pm$ 405.242 χ^2 /NDF: 30.7/29

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

Right Out: -2567.655 $\pm$ 414.677 χ^2 /NDF: 37.2/31

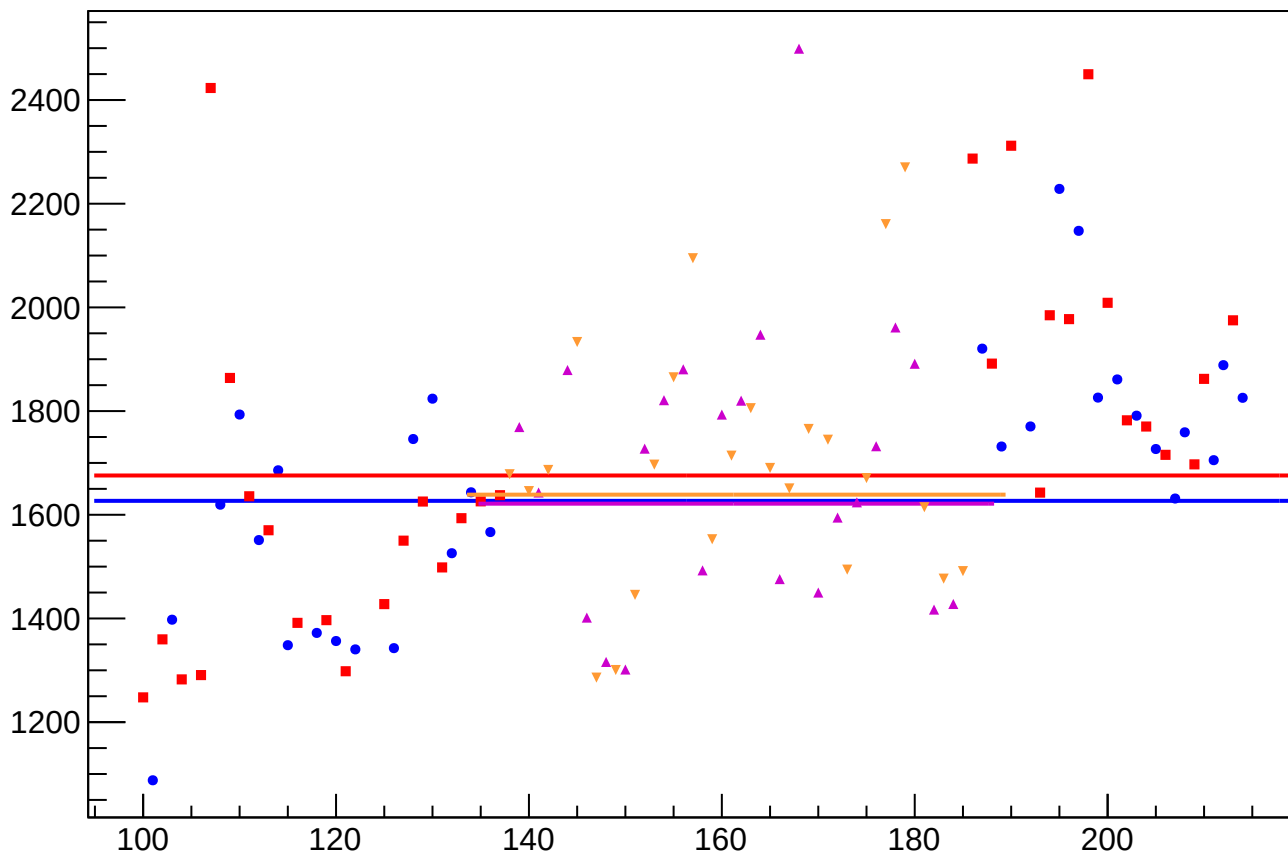
Left In: -2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

+ sign 2029.045 $\pm$ 282.813 χ^2 /NDF: 56.9/53

All: -131.688 $\pm$ 200.834 χ^2 /NDF: 231.3/108

- sign -2329.772 $\pm$ 285.247 χ^2 /NDF: 56.6/54

asym_us_avg_rms vs Slug



Right In: 1626.863 $\pm$ 0.287 χ^2 /NDF: 836559.6/29

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

Right Out: 1675.777 $\pm$ 0.293 χ^2 /NDF: 934882.1/31

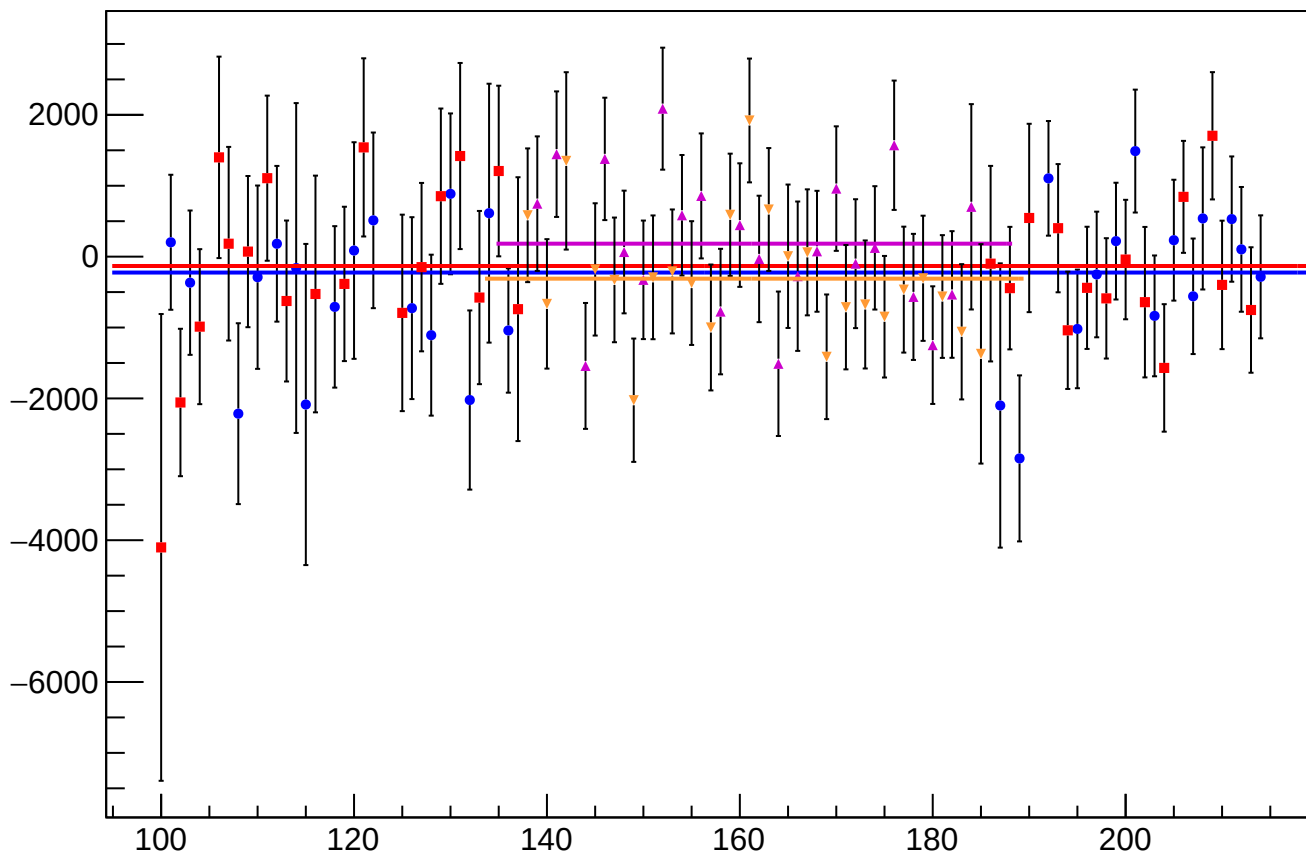
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1632.989 $\pm$ 0.200 χ^2 /NDF: 1509357.4/53

All: 1640.003 $\pm$ 0.142 χ^2 /NDF: 3240137.5/10

- sign 1647.139 $\pm$ 0.202 χ^2 /NDF: 1728298.5/54

reg_asym_us_dd_mean vs Slug



Right In: -224.440 ± 189.330 χ^2/NDF : 25.0/29

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

Right Out: -131.962 ± 189.154 χ^2/NDF : 25.1/31

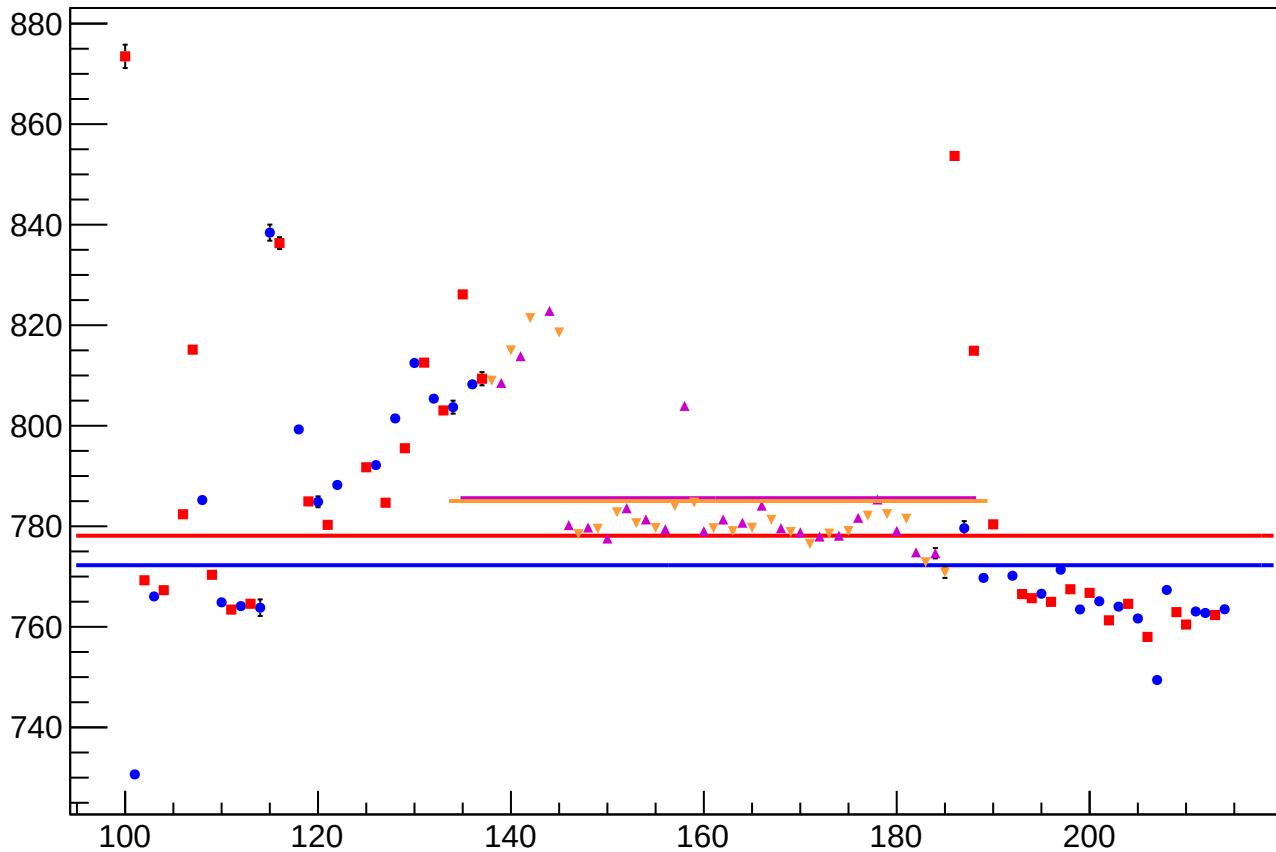
Left In: 182.895 ± 187.817 χ^2/NDF : 26.1/22

+ sign -268.141 ± 132.878 χ^2/NDF : 45.1/53

All: -121.220 ± 94.100 χ^2/NDF : 100.2/108

- sign 26.583 ± 133.277 χ^2/NDF : 52.7/54

reg_asym_us_dd_rms vs Slug



Right In: 772.255 $\pm$ 0.134 χ^2 /NDF: 20532.5/29

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

Right Out: 778.132 $\pm$ 0.134 χ^2 /NDF: 29120.8/31

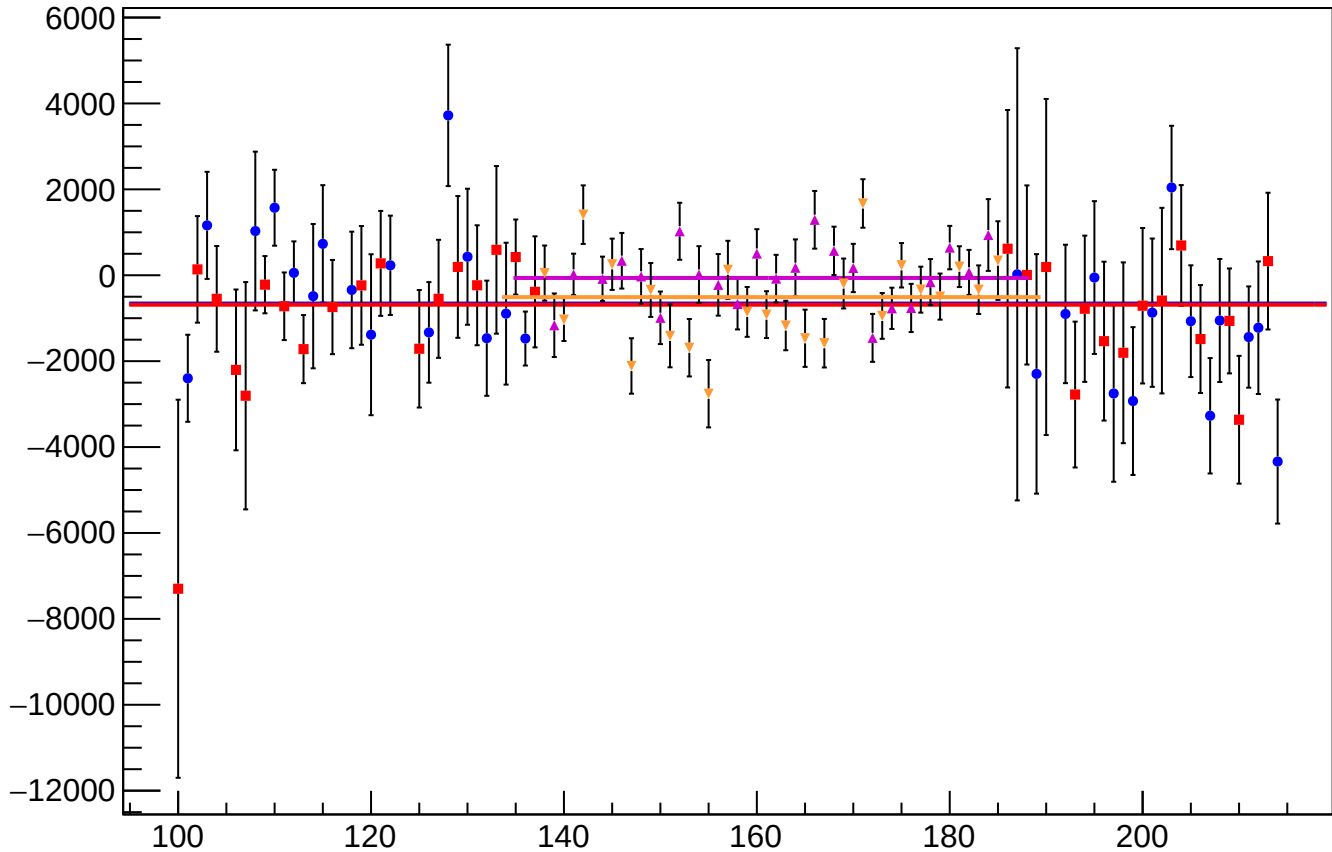
Left In: 785.592 $\pm$ 0.133 χ^2 /NDF:9373.7/22

+ sign 778.738 $\pm$ 0.094 χ^2 /NDF: 34521.5/53

All: 780.308 $\pm$ 0.067 χ^2 /NDF: 75143.1/108

- sign 781.888 $\pm$ 0.094 χ^2 /NDF: 40061.0/54

asym_us_dd_correction_mean vs Slug



Right In: -659.037 ± 235.828 $\chi^2/\text{NDF}: 42.9/29$

Left Out: -509.311 ± 121.190 $\chi^2/\text{NDF}: 60.5/23$

Right Out: -685.824 ± 234.641 $\chi^2/\text{NDF}: 17.4/31$

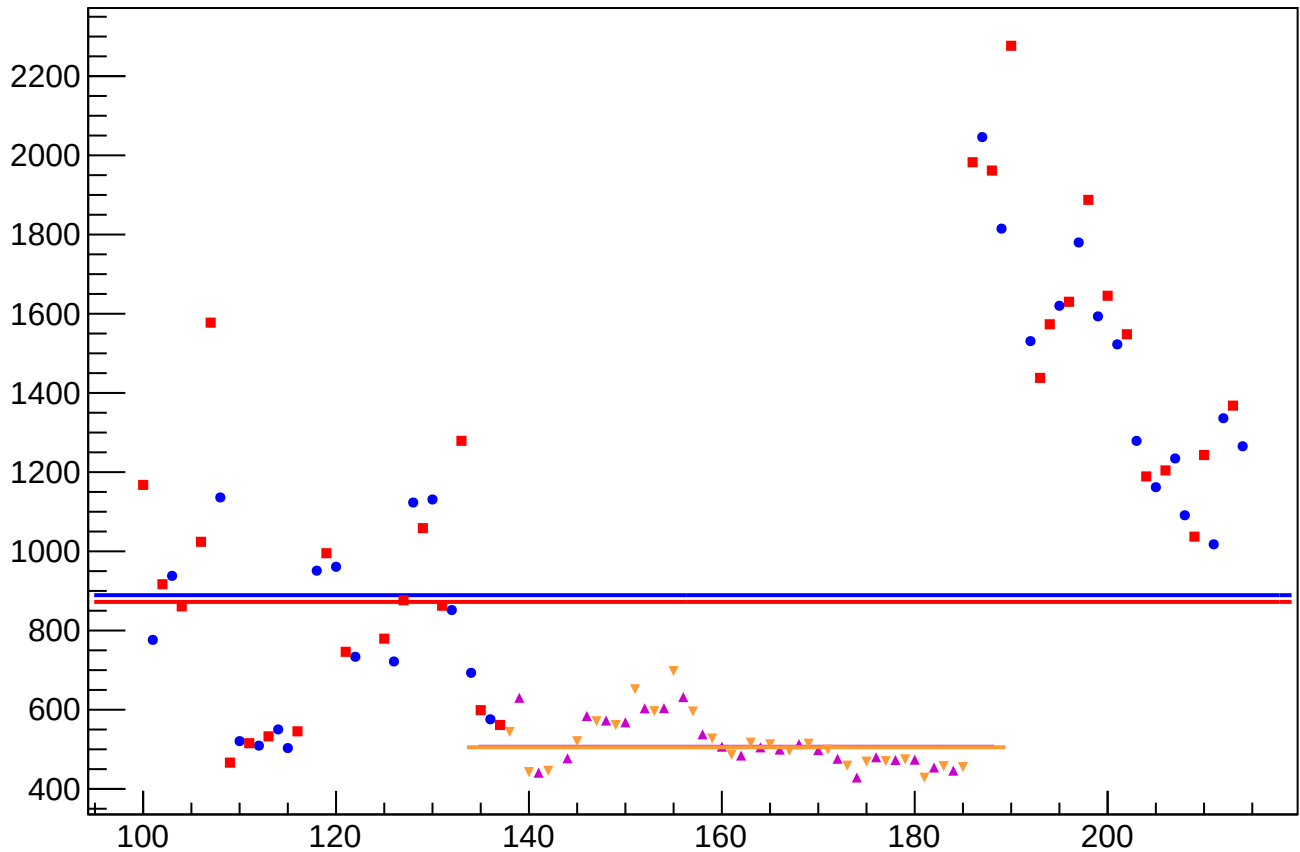
Left In: -62.768 ± 122.045 $\chi^2/\text{NDF}: 28.8/22$

+ sign -540.591 ± 107.790 $\chi^2/\text{NDF}: 103.7/53$

All: -368.788 ± 76.390 $\chi^2/\text{NDF}: 160.6/108$

- sign -195.438 ± 108.275 $\chi^2/\text{NDF}: 51.8/54$

asym_us_dd_correction_rms vs Slug



Right In: 889.283+/-0.167 χ^2/NDF : 4573264.0/29

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

Right Out: 872.329+/-0.166 χ^2/NDF : 5893645.0/31

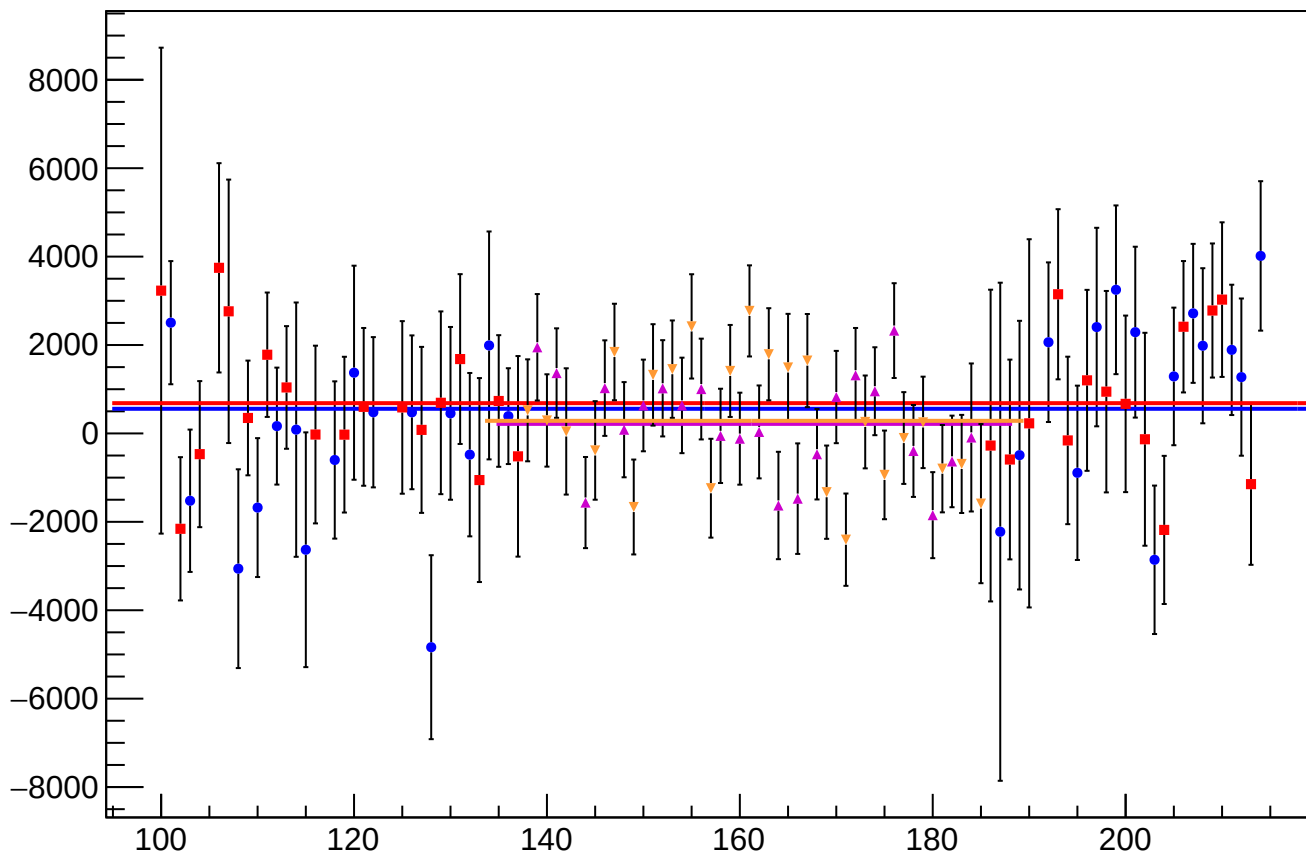
Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

+ sign 585.456+/-0.076 χ^2/NDF : 9255166.3/53

All: 584.882+/-0.054 χ^2/NDF : 19414119.6/10

- sign 584.303+/-0.077 χ^2/NDF : 10158839.5/54

asym_us_dd_mean vs Slug



Right In: 557.399 $\pm$ 326.934 χ^2 /NDF: 34.8/29

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

Right Out: 684.544 $\pm$ 332.124 χ^2 /NDF: 19.6/31

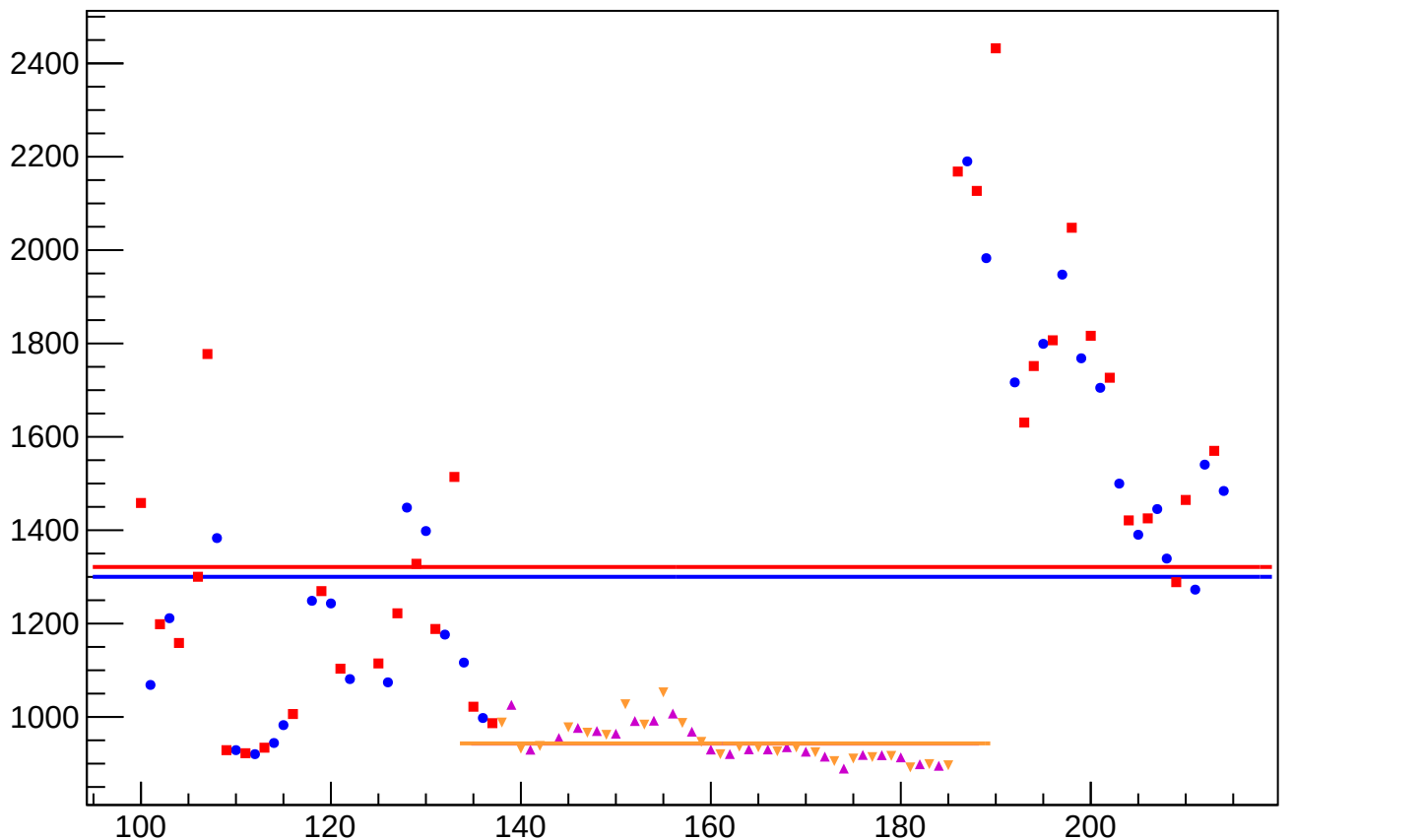
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF: 24.4/22

+ sign 372.320 $\pm$ 184.999 χ^2 /NDF: 73.6/53

All: 368.203 $\pm$ 131.383 χ^2 /NDF: 119.0/108

- sign 364.014 $\pm$ 186.619 χ^2 /NDF: 45.4/54

asym_us_dd_rms vs Slug



Right In: 1300.175+/-0.231 χ^2/NDF : 1533166.8/29

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

Right Out: 1321.258+/-0.235 χ^2/NDF : 2065960.4/31

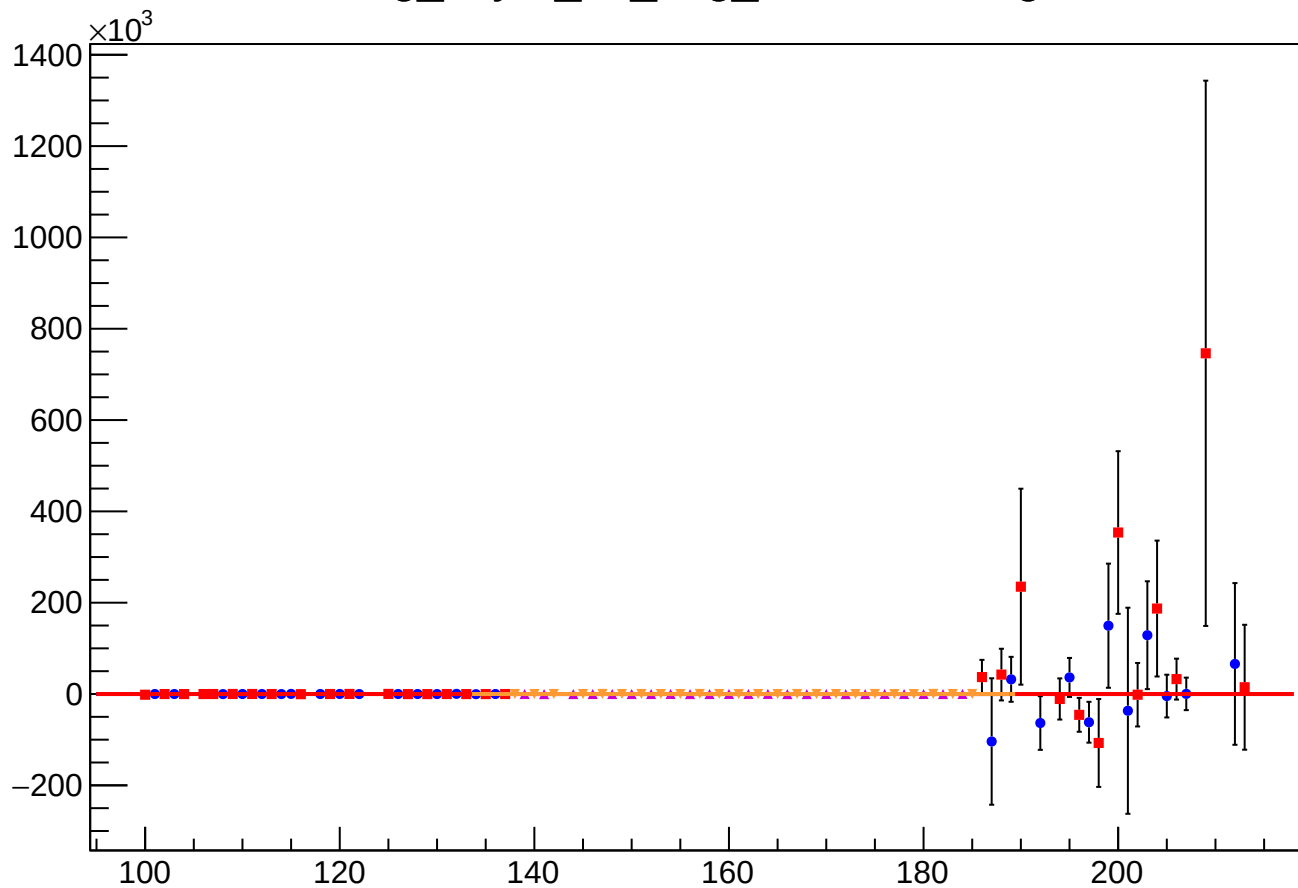
Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

+ sign 1057.606+/-0.131 χ^2/NDF : 3213103.4/53

All: 1059.970+/-0.093 χ^2/NDF : 7103968.5/10

- sign 1062.375+/-0.132 χ^2/NDF : 3890206.1/54

reg_asym_ds_avg_mean vs Slug



Right In: -15.555 ± 30.032 χ^2/NDF : 23.3/26

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

Right Out: -31.724 ± 30.492 χ^2/NDF : 30.0/29

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

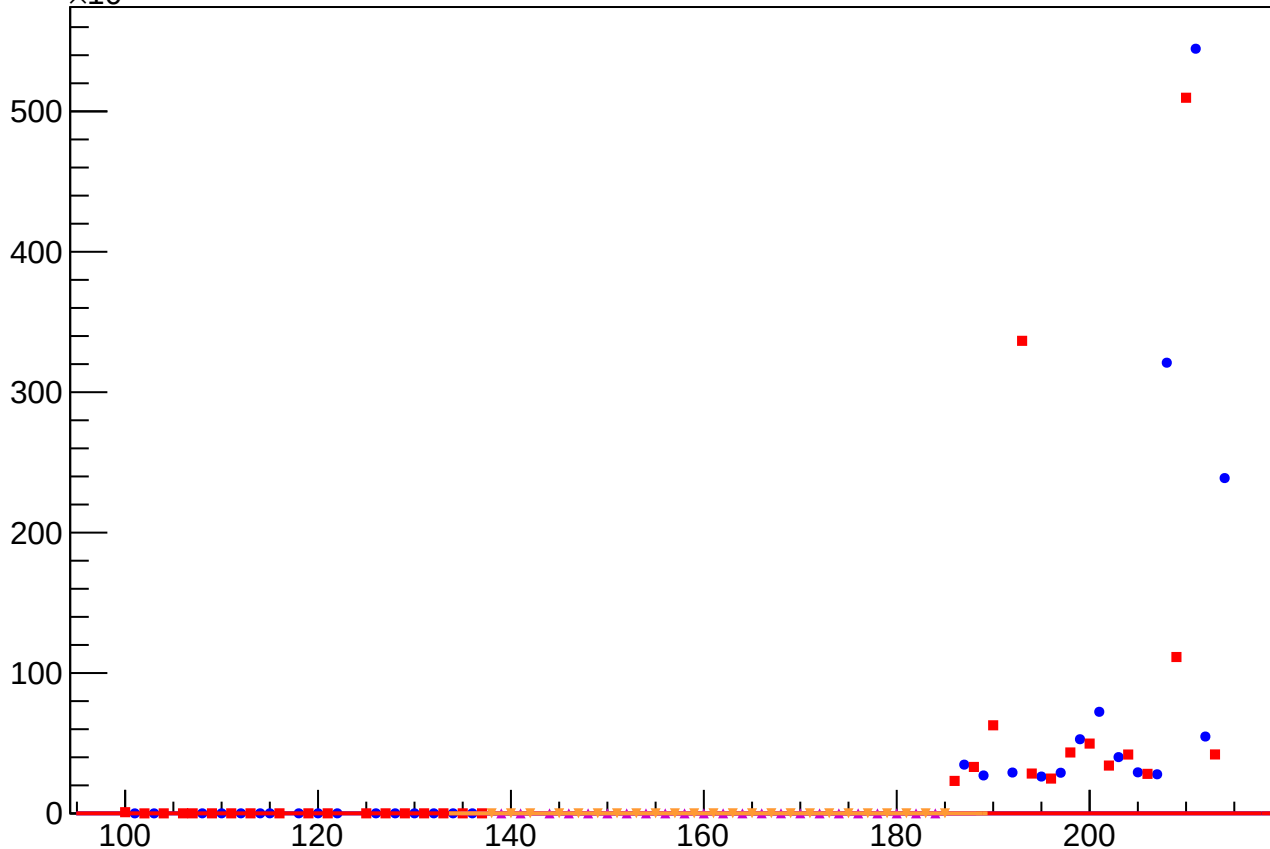
+ sign -2.805 ± 17.464 χ^2/NDF : 46.0/50

All: 0.908 ± 12.403 χ^2/NDF : 100.7/103

- sign 4.686 ± 17.617 χ^2/NDF : 54.6/52

reg_asym_ds_avg_rms vs Slug

$\times 10^3$



Right In: 76.141 $\pm$ 0.021 χ^2 /NDF: 6580031.1/29

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

Right Out: 79.458 $\pm$ 0.022 χ^2 /NDF: 6196457.8/31

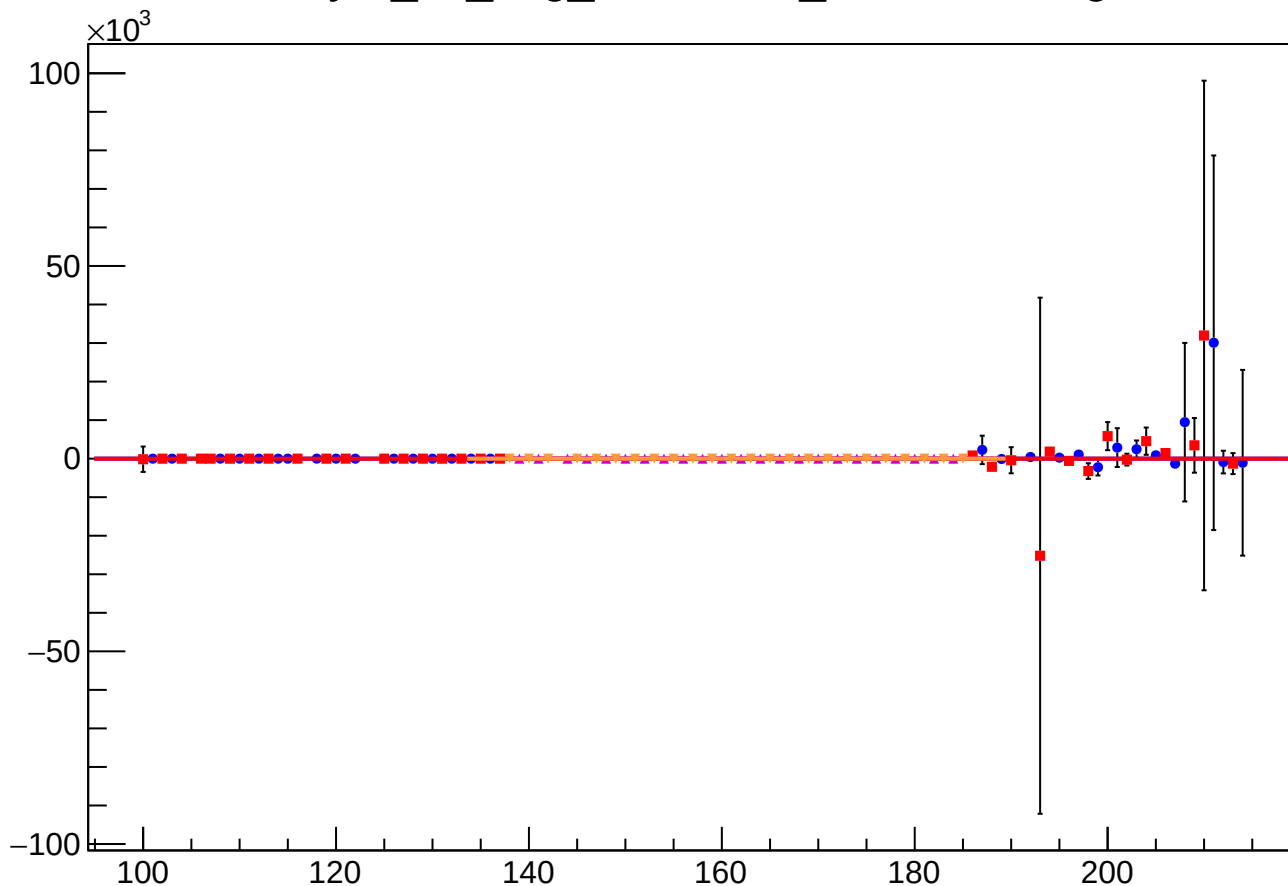
Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

+ sign 85.109 $\pm$ 0.012 χ^2 /NDF: 7315831.7/53

All: 85.656 $\pm$ 0.009 χ^2 /NDF: 14172023.7/108

- sign 86.211 $\pm$ 0.012 χ^2 /NDF: 6852245.2/54

asym_ds_avg_correction_mean vs Slug



Right In: -0.290 ± 0.502 χ^2/NDF : 31.5/29

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

Right Out: -0.038 ± 0.525 χ^2/NDF : 29.7/31

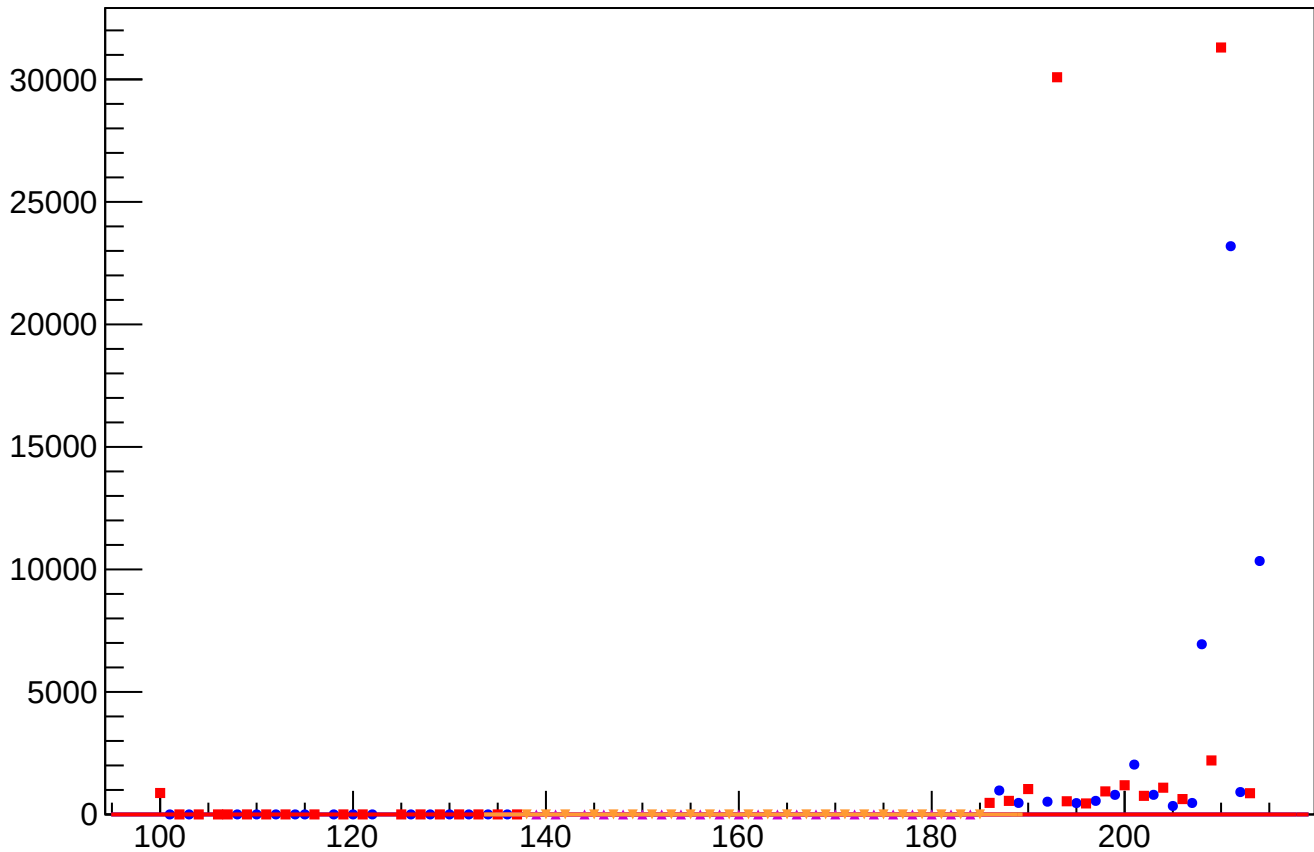
Left In: 0.519 ± 0.387 χ^2/NDF : 26.3/22

+ sign -0.024 ± 0.301 χ^2/NDF : 53.3/53

All: 0.144 ± 0.217 χ^2/NDF : 110.7/108

- sign 0.323 ± 0.312 χ^2/NDF : 56.8/54

asym_ds_avg_correction_rms vs Slug



Right In: 1.153+/-0.000 χ^2/NDF : 6570763.3/29

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

Right Out: 1.260+/-0.000 χ^2/NDF : 6816793.9/31

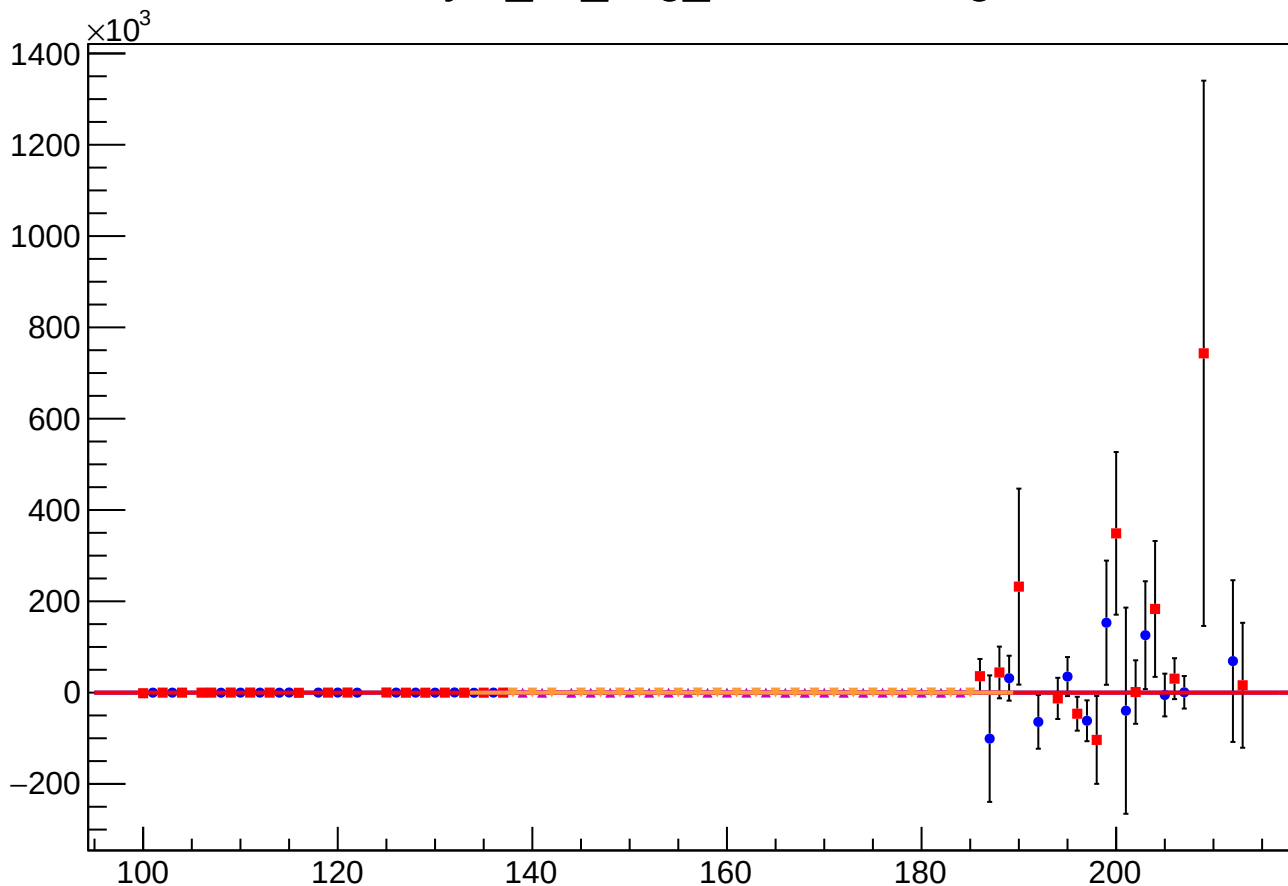
Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

+ sign 1.316+/-0.000 χ^2/NDF : 7888907.7/53

All: 1.350+/-0.000 χ^2/NDF : 15927192.5/108

- sign 1.385+/-0.000 χ^2/NDF : 7987671.0/54

asym_ds_avg_mean vs Slug



Right In: -14.492 ± 30.040 χ^2/NDF : 23.5/26

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

Right Out: -32.004 ± 30.500 χ^2/NDF : 29.6/29

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

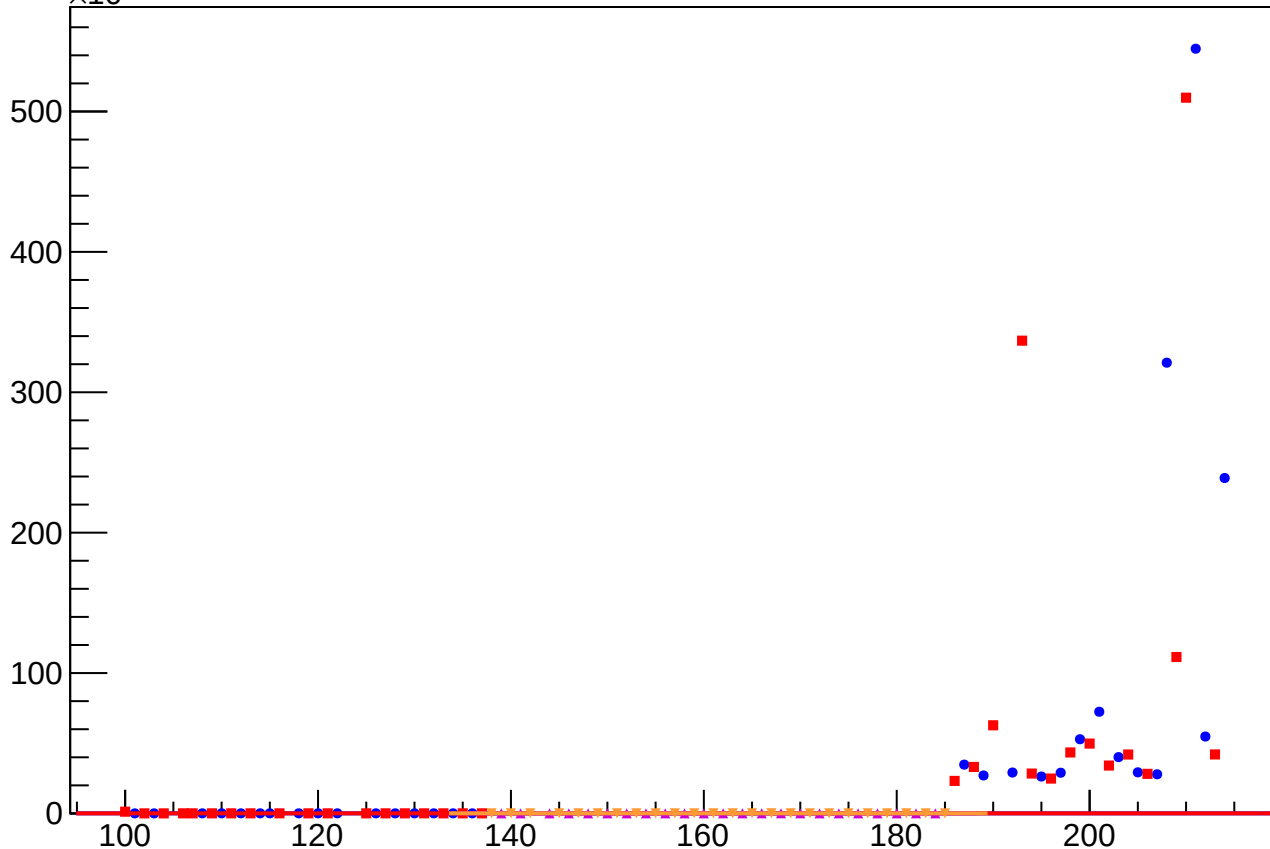
+ sign -2.587 ± 17.470 χ^2/NDF : 45.9/50

All: 0.811 ± 12.407 χ^2/NDF : 100.0/103

- sign 4.268 ± 17.623 χ^2/NDF : 54.1/52

asym_ds_avg_rms vs Slug

$\times 10^3$



Right In: 76.160 $\pm$ 0.021 χ^2 /NDF: 6580142.4/29

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

Right Out: 79.461 $\pm$ 0.022 χ^2 /NDF: 6203070.4/31

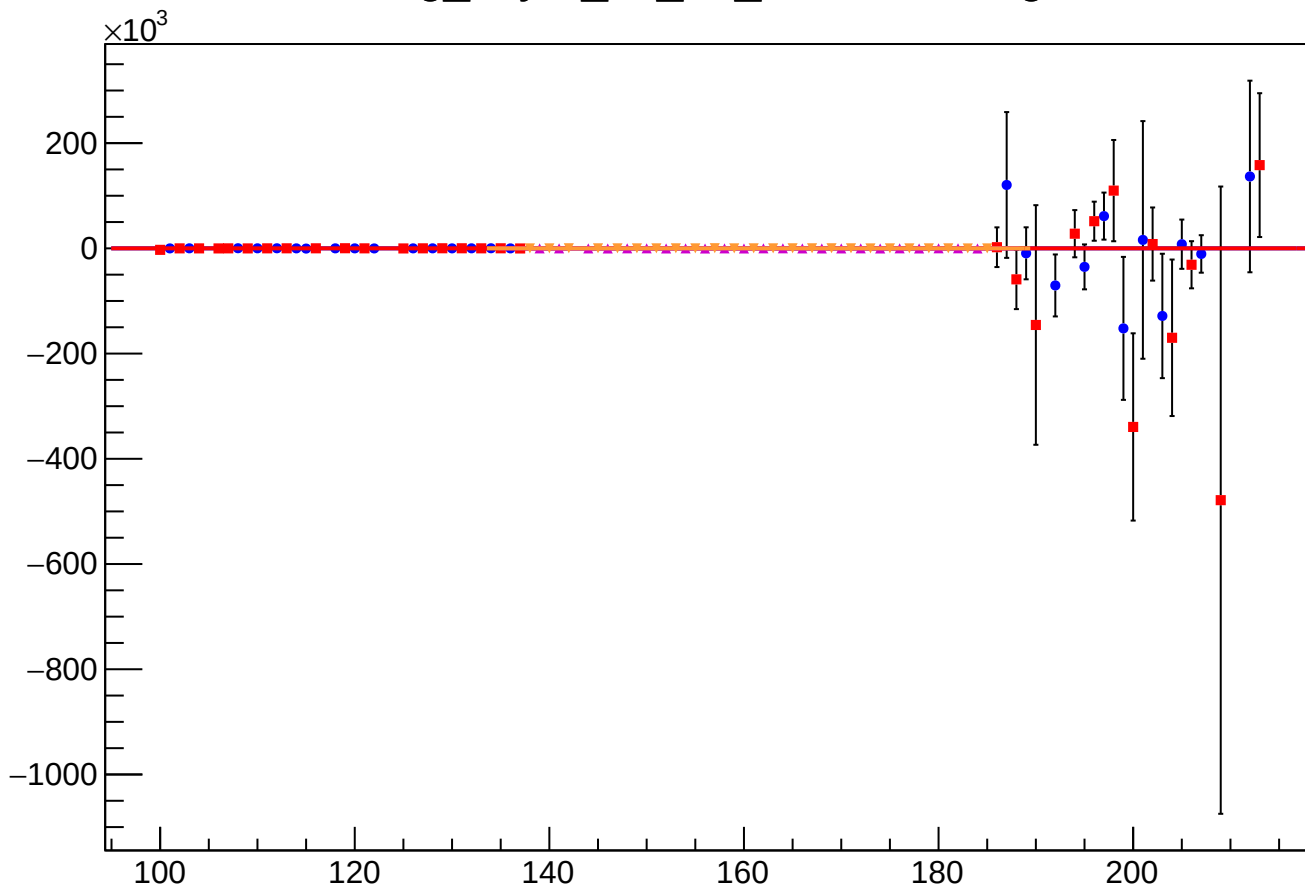
Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

+ sign 85.133 $\pm$ 0.012 χ^2 /NDF: 7316812.7/53

All: 85.677 $\pm$ 0.009 χ^2 /NDF: 14181047.6/108

- sign 86.230 $\pm$ 0.012 χ^2 /NDF: 6860328.9/54

reg_asym_ds_dd_mean vs Slug



Right In: 8.091 ± 30.012 χ^2/NDF : 21.9/26

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

Right Out: 25.791 ± 30.473 χ^2/NDF : 25.3/29

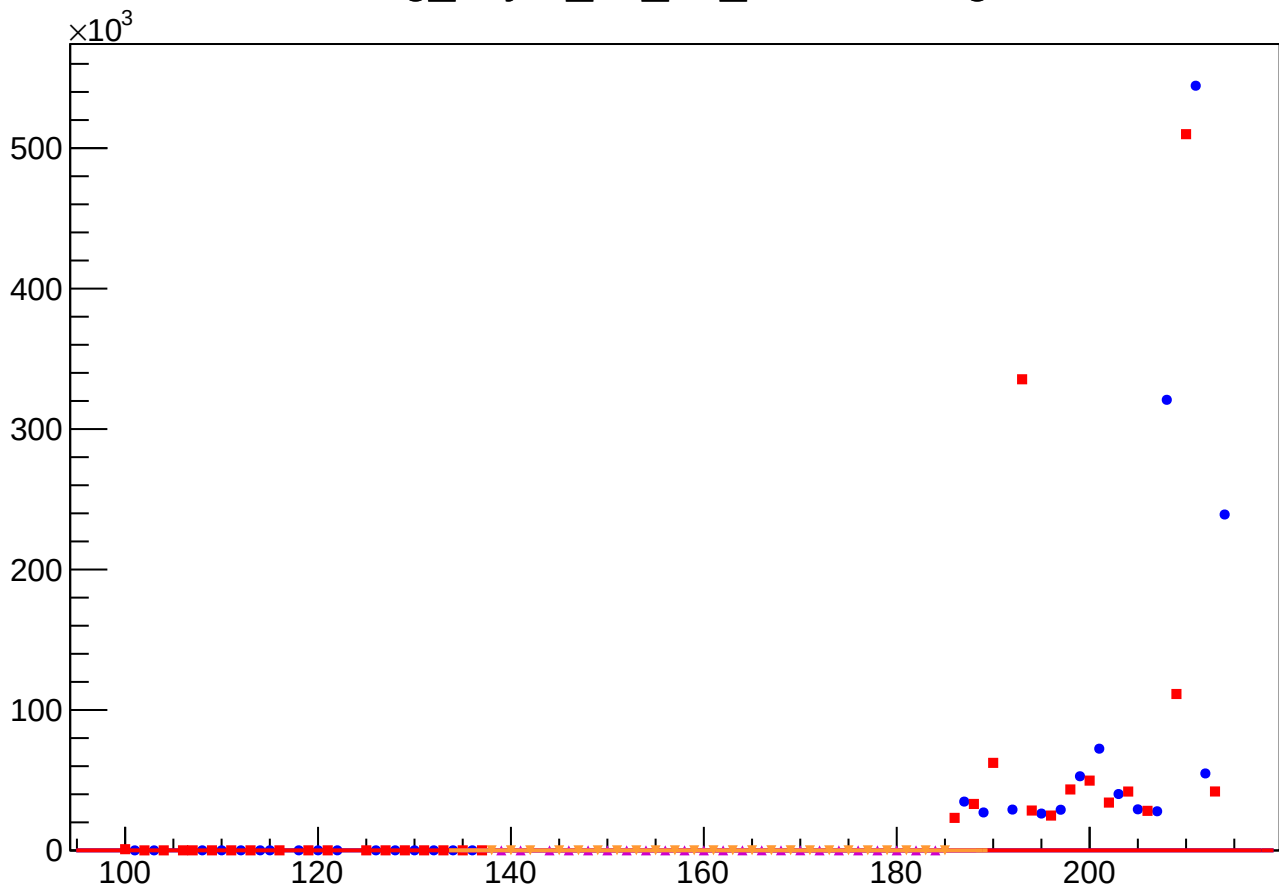
Left In: -43.424 ± 21.593 χ^2/NDF : 31.4/22

+ sign 12.842 ± 17.463 χ^2/NDF : 39.1/50

All: -3.576 ± 12.403 χ^2/NDF : 101.1/103

- sign -20.287 ± 17.618 χ^2/NDF : 60.2/52

reg_asym_ds_dd_rms vs Slug



Right In: 76.091 $\pm$ 0.021 χ^2 /NDF: 6579478.5/29

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

Right Out: 79.409 $\pm$ 0.022 χ^2 /NDF: 6195772.8/31

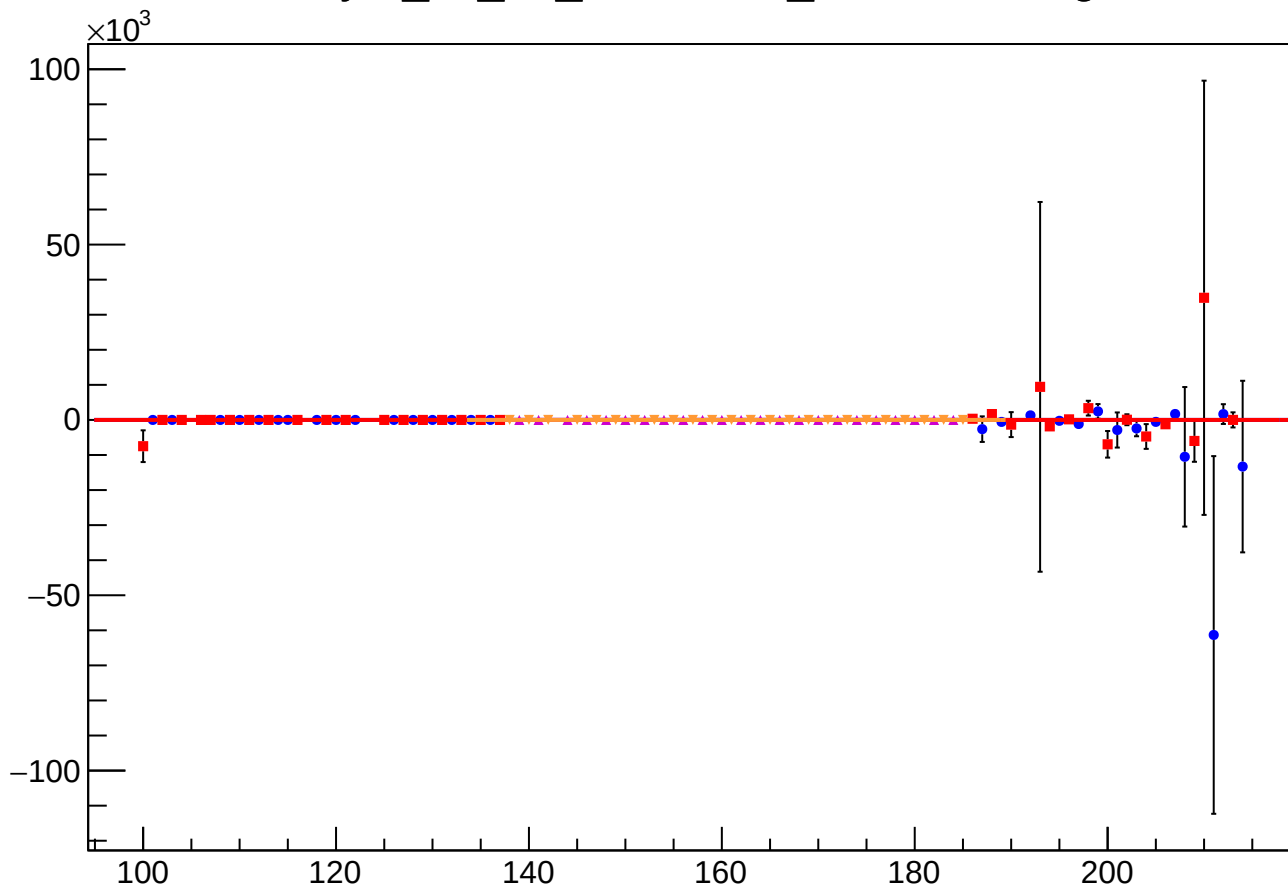
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

+ sign 85.100 $\pm$ 0.012 χ^2 /NDF: 7317052.6/53

All: 85.651 $\pm$ 0.009 χ^2 /NDF: 14177597.0/108

- sign 86.212 $\pm$ 0.012 χ^2 /NDF: 6856529.5/54

asym_ds_dd_correction_mean vs Slug



Right In: 0.892 ± 0.531 χ^2/NDF : 27.8/29

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

Right Out: -0.348 ± 0.549 χ^2/NDF : 32.0/31

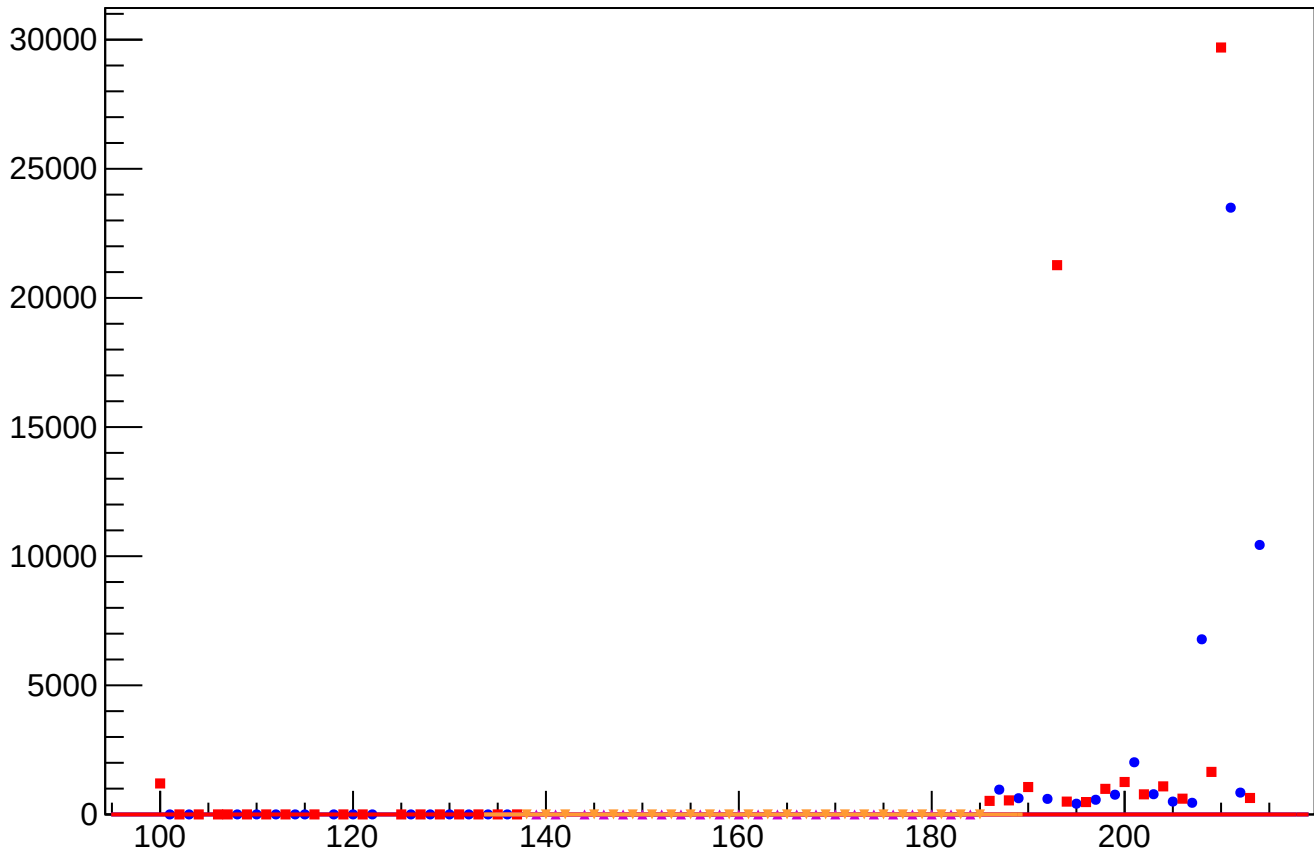
Left In: 0.072 ± 0.390 χ^2/NDF : 20.4/22

+ sign -0.021 ± 0.315 χ^2/NDF : 53.1/53

All: -0.045 ± 0.224 χ^2/NDF : 105.8/108

- sign -0.069 ± 0.318 χ^2/NDF : 52.8/54

asym_ds_dd_correction_rms vs Slug



Right In: 1.234+/-0.000 χ^2/NDF : 6813504.2/29

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

Right Out: 1.317+/-0.000 χ^2/NDF : 6711041.2/31

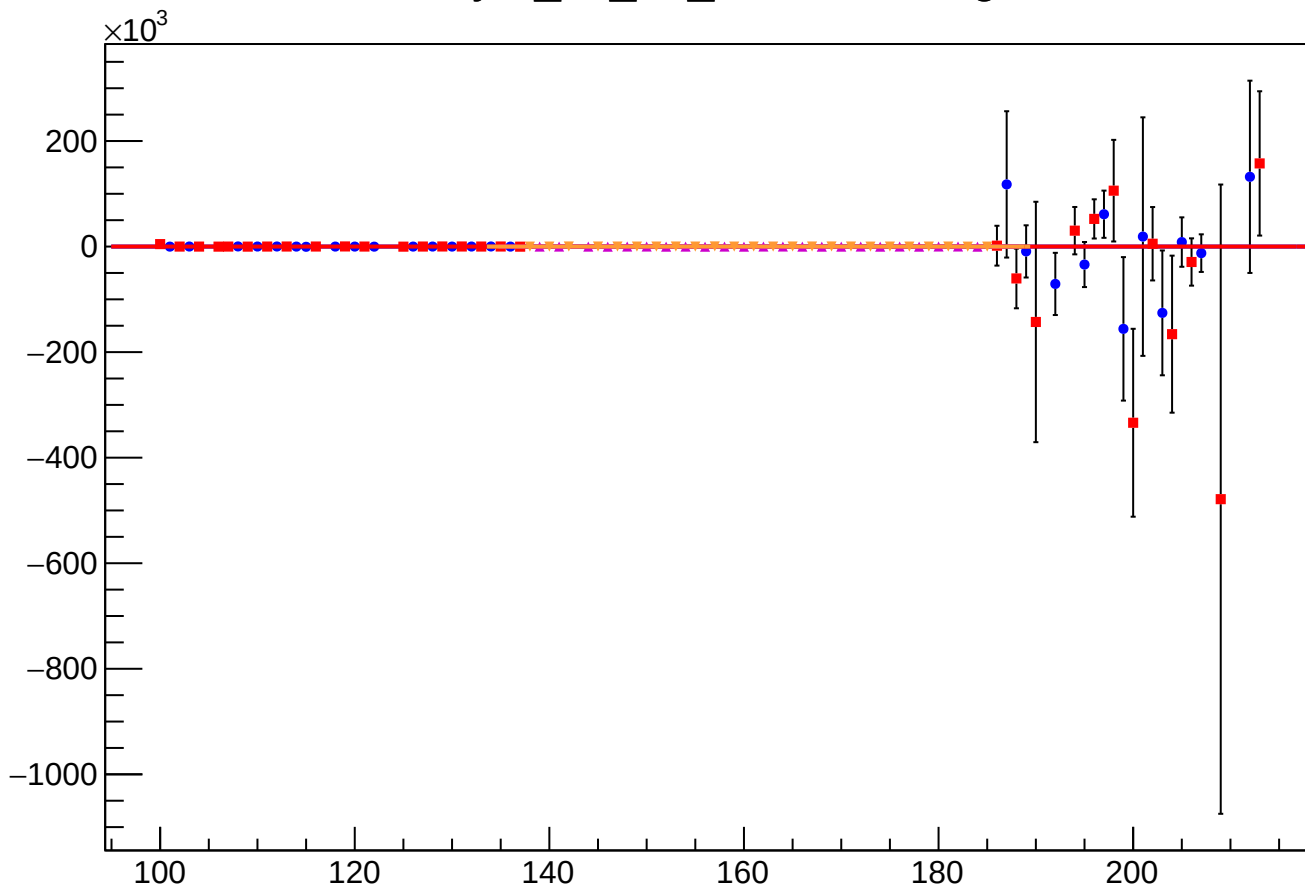
Left In: 1.461+/-0.000 χ^2/NDF :1048537.6/22

+ sign 1.387+/-0.000 χ^2/NDF : 8224143.9/53

All: 1.400+/-0.000 χ^2/NDF : 16082055.3/108

- sign 1.412+/-0.000 χ^2/NDF : 7851604.5/54

asym_ds_dd_mean vs Slug



Right In: 7.383 ± 30.020 χ^2/NDF : 21.8/26

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

Right Out: 26.402 ± 30.482 χ^2/NDF : 25.3/29

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

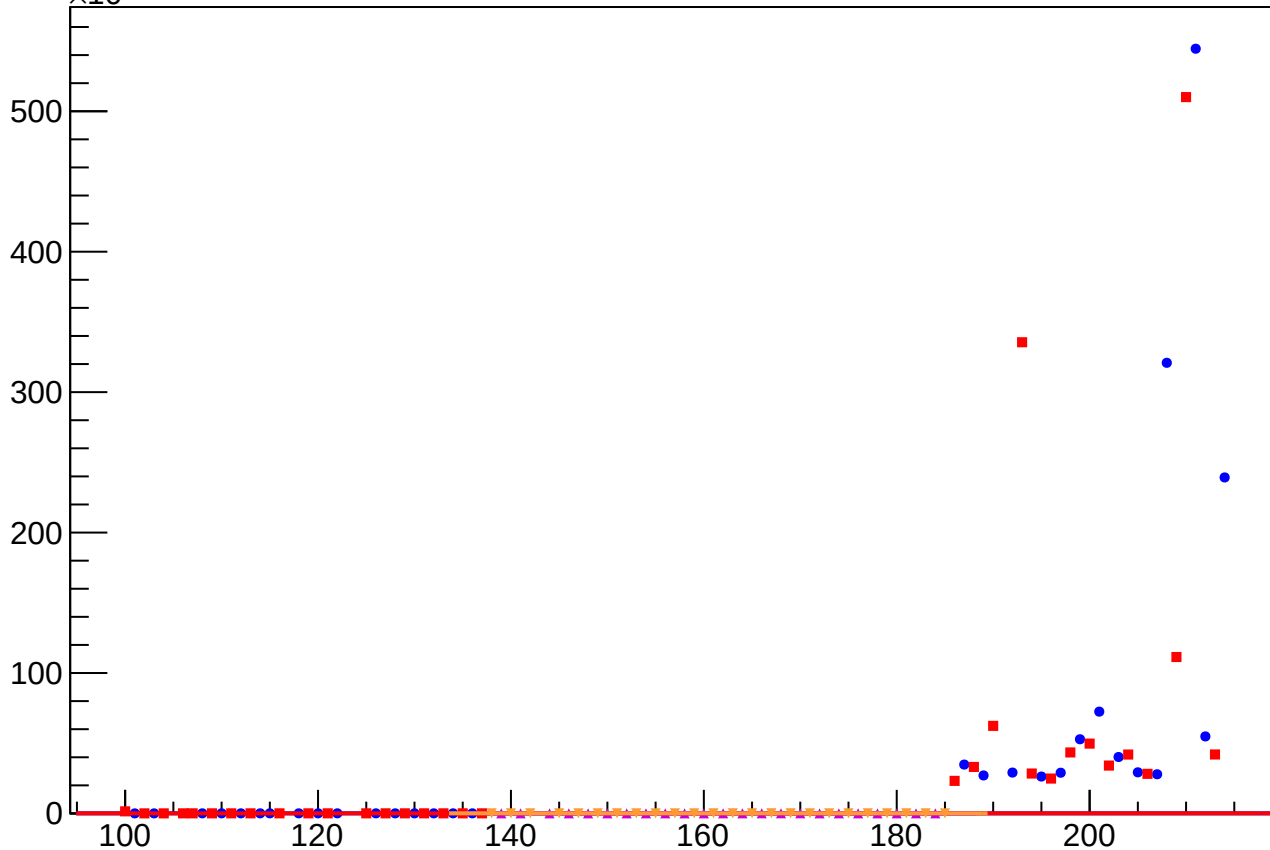
+ sign 12.930 ± 17.468 χ^2/NDF : 38.9/50

All: -3.588 ± 12.407 χ^2/NDF : 100.7/103

- sign -20.402 ± 17.624 χ^2/NDF : 60.0/52

asym_ds_dd_rms vs Slug

$\times 10^3$



Right In: 76.112 $\pm$ 0.021 χ^2 /NDF: 6579640.9/29

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

Right Out: 79.406 $\pm$ 0.022 χ^2 /NDF: 6205089.8/31

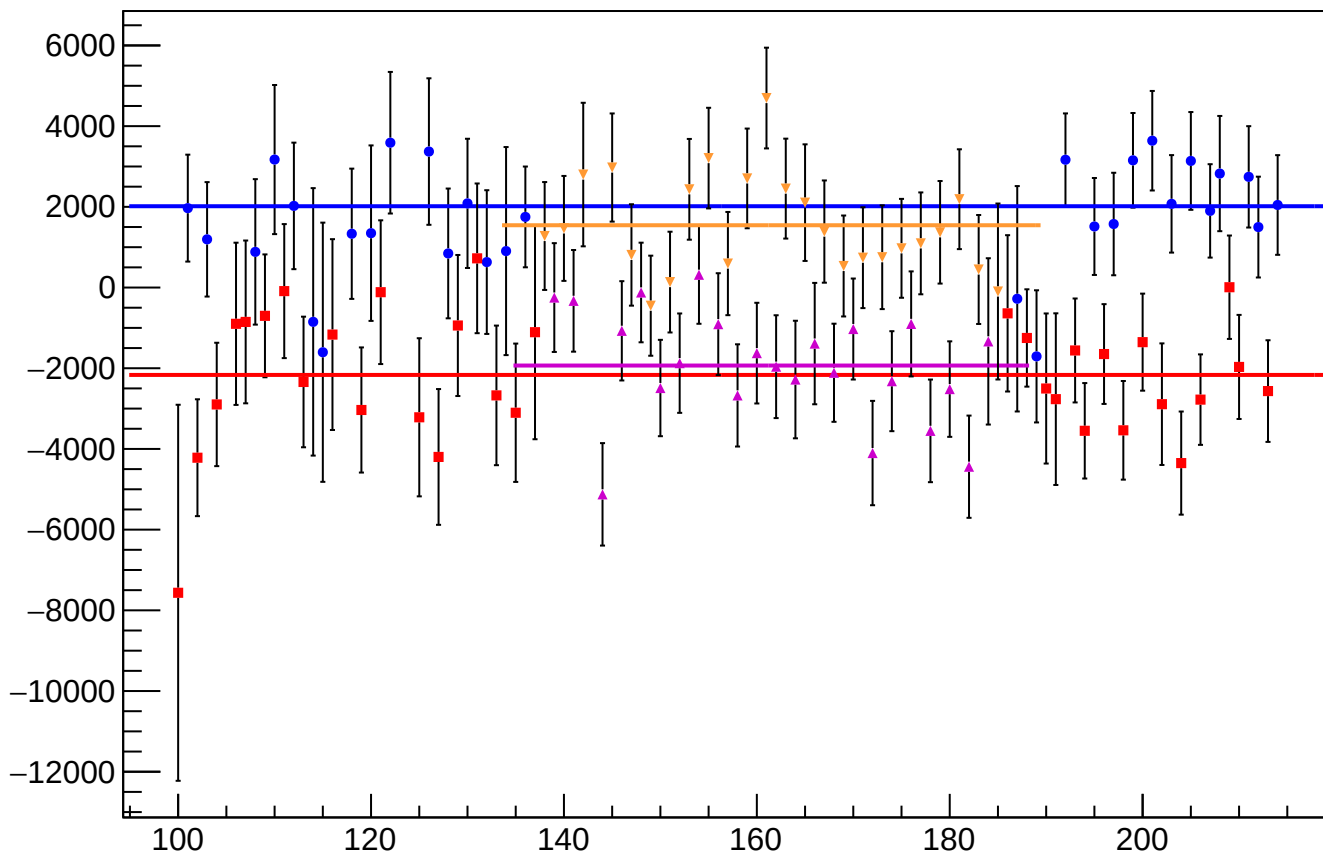
Left In: 89.655 $\pm$ 0.015 χ^2 /NDF: 511848.9/22

+ sign 85.125 $\pm$ 0.012 χ^2 /NDF: 7318087.6/53

All: 85.672 $\pm$ 0.009 χ^2 /NDF: 14189487.5/108

- sign 86.229 $\pm$ 0.012 χ^2 /NDF: 6867446.8/54

reg_asym_usl_mean vs Slug



Right In: 2015.340 $\pm$ 268.620 χ^2 /NDF: 17.7/29

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

Right Out: -2165.758 $\pm$ 266.664 χ^2 /NDF: 25.2/32

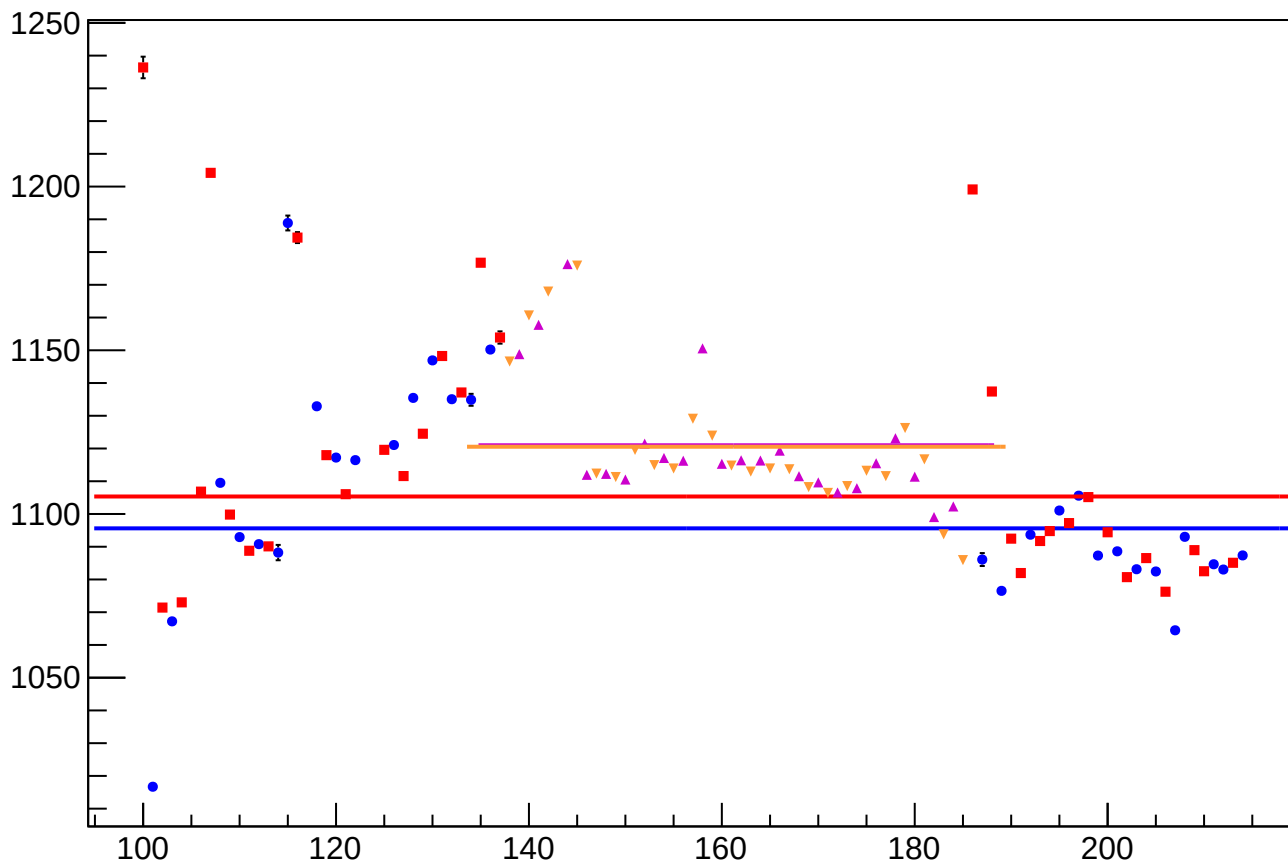
Left In: -1933.000 $\pm$ 268.006 χ^2 /NDF: 27.0/22

+ sign 1777.651 $\pm$ 189.107 χ^2 /NDF: 39.2/53

All: -136.903 $\pm$ 133.693 χ^2 /NDF: 296.7/109

- sign -2049.963 $\pm$ 189.033 χ^2 /NDF: 52.5/55

reg_asym_usl_rms vs Slug



Right In: 1095.613 $\pm$ 0.190 χ^2 /NDF: 23204.1/29

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

Right Out: 1105.343 $\pm$ 0.189 χ^2 /NDF: 28262.5/32

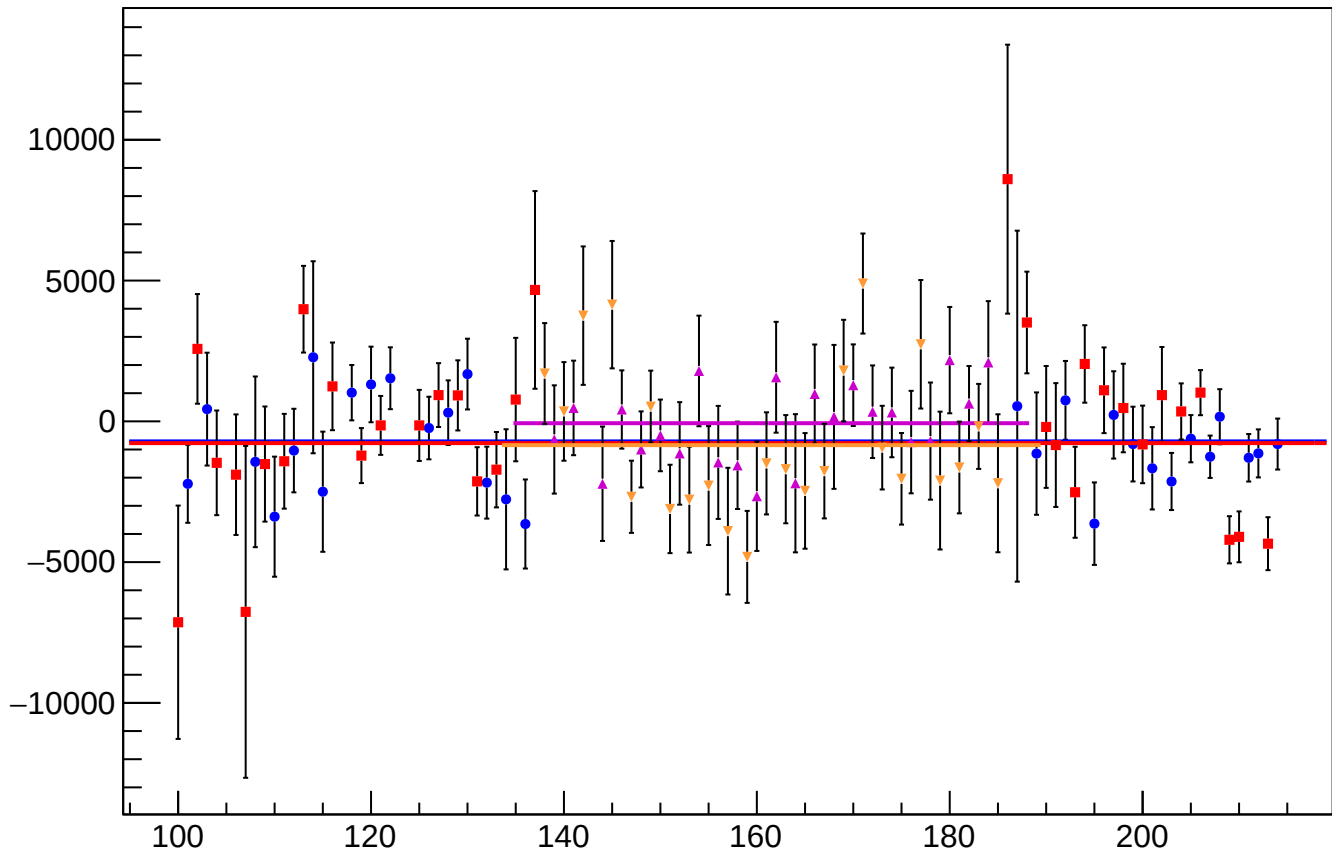
Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF:9641.8/22

+ sign 1108.187 $\pm$ 0.134 χ^2 /NDF: 42145.9/53

All: 1110.658 $\pm$ 0.095 χ^2 /NDF: 84159.1/109

- sign 1113.127 $\pm$ 0.134 χ^2 /NDF: 41330.5/55

asym_usl_correction_mean vs Slug



Right In: -712.549 ± 226.318 $\chi^2/\text{NDF}: 34.2/29$

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

Right Out: -772.927 ± 238.658 $\chi^2/\text{NDF}: 97.0/32$

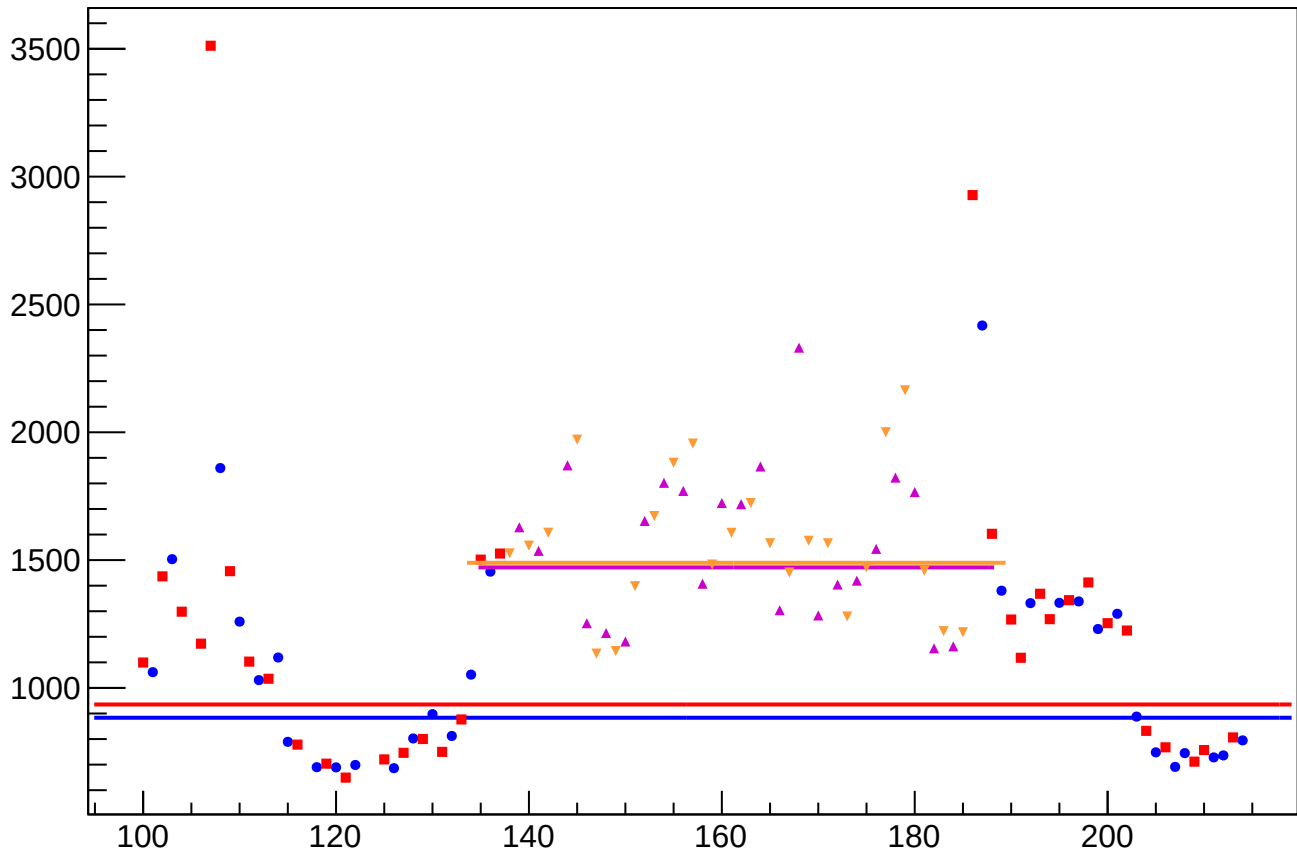
Left In: -65.738 ± 358.785 $\chi^2/\text{NDF}: 12.1/22$

+ sign -749.900 ± 191.773 $\chi^2/\text{NDF}: 77.6/53$

All: -656.395 ± 137.991 $\chi^2/\text{NDF}: 189.9/109$

- sign -556.002 ± 198.711 $\chi^2/\text{NDF}: 111.8/55$

asym_usl_correction_rms vs Slug



Right In: 883.378+/-0.160 χ^2/NDF : 2505295.7/29

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

Right Out: 935.273+/-0.169 χ^2/NDF : 3239595.6/32

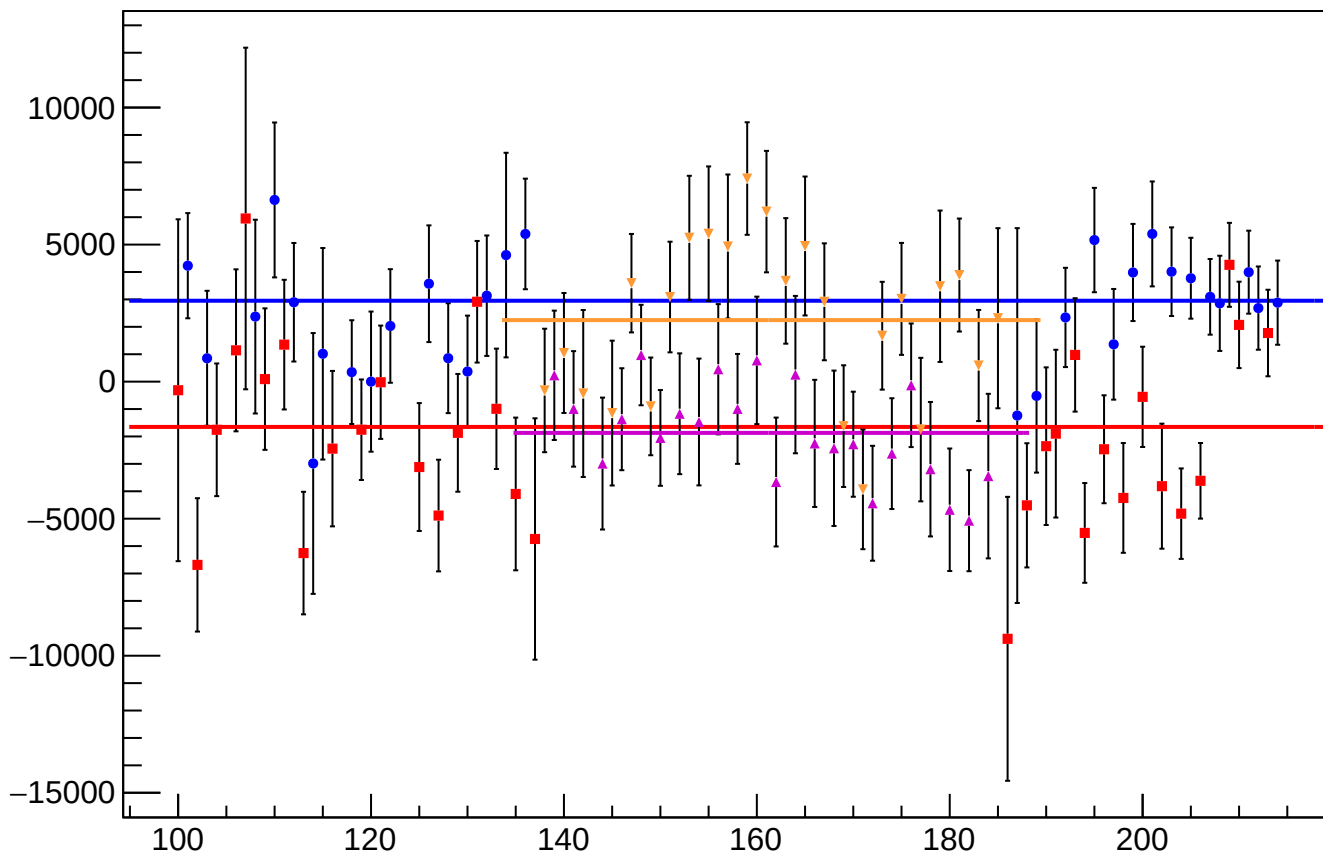
Left In: 1471.394+/-0.254 χ^2/NDF :1105310.5/22

+ sign 1054.294+/-0.136 χ^2/NDF : 7559757.8/53

All: 1076.202+/-0.098 χ^2/NDF : 15054639.4/100

- sign 1099.724+/-0.141 χ^2/NDF : 7440756.6/55

asym_usl_mean vs Slug



Right In: 2951.480+/-367.014 χ^2/NDF : 19.8/29

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

Right Out: -1652.331+/-376.919 χ^2/NDF : 66.6/32

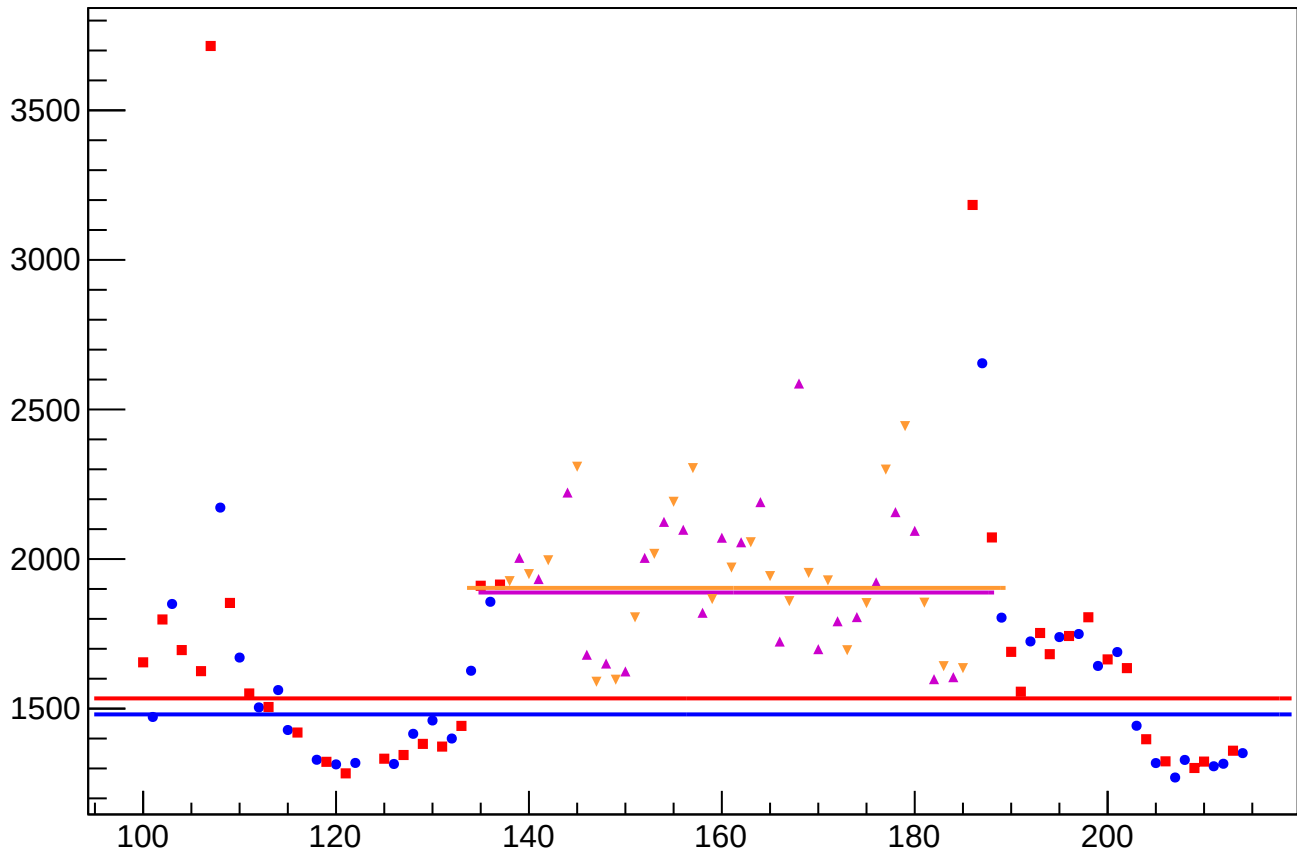
Left In: -1869.792+/-455.465 χ^2/NDF : 14.9/22

+ sign 2673.865+/-286.028 χ^2/NDF : 59.8/53

All: 499.913+/-203.774 χ^2/NDF : 258.8/109

- sign -1740.723+/-290.382 χ^2/NDF : 81.6/55

asym_usl_rms vs Slug



Right In: 1480.687+/-0.260 χ^2/NDF : 641300.3/29

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

Right Out: 1534.173+/-0.267 χ^2/NDF : 1075178.3/32

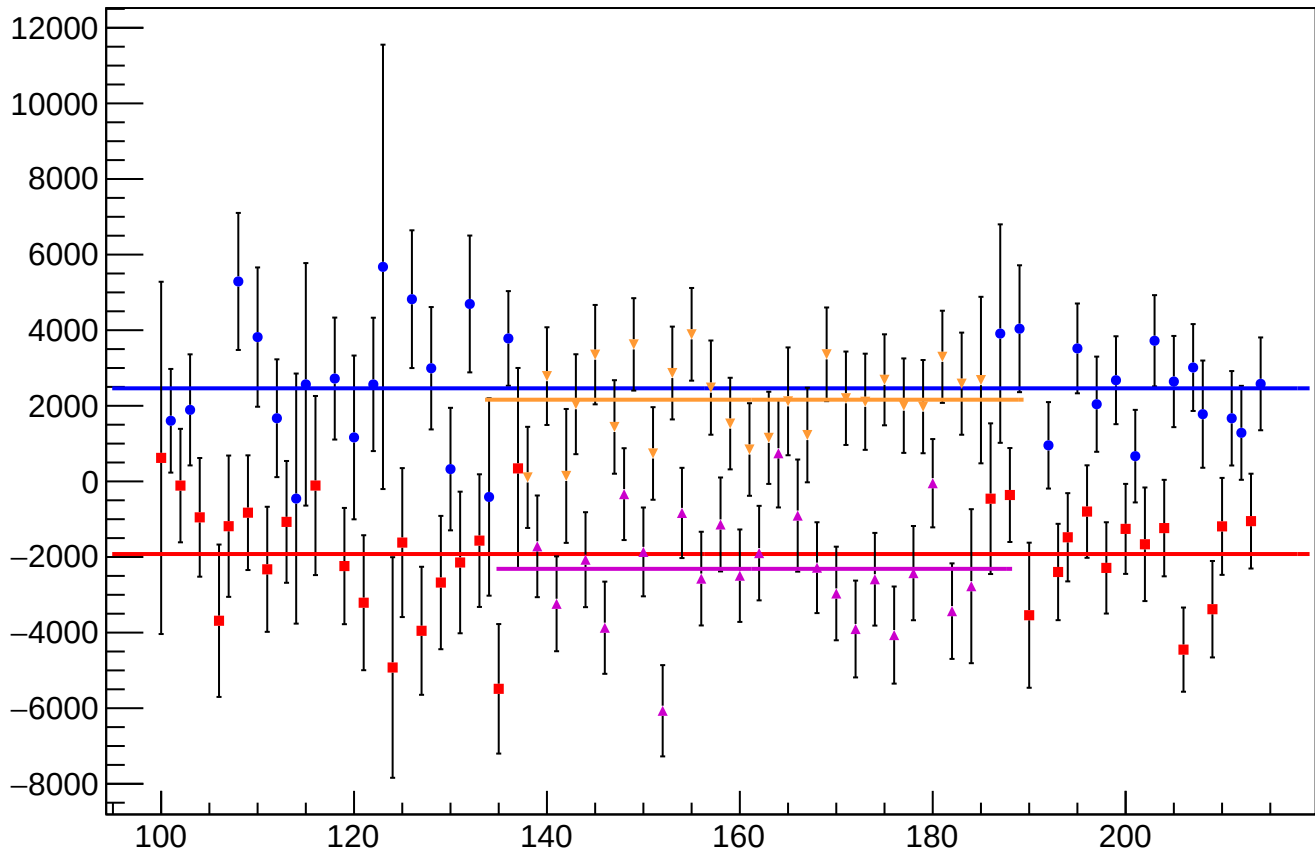
Left In: 1888.121+/-0.322 χ^2/NDF : 504568.6/22

+ sign 1646.728+/-0.202 χ^2/NDF : 2145676.0/53

All: 1662.149+/-0.144 χ^2/NDF : 4454100.6/100

- sign 1678.042+/-0.205 χ^2/NDF : 2296619.6/55

reg_asym_usr_mean vs Slug



Right In: 2462.608 $\pm$ 268.612 χ^2 /NDF: 21.4/30

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

Right Out: -1921.312 $\pm$ 267.588 χ^2 /NDF: 24.8/32

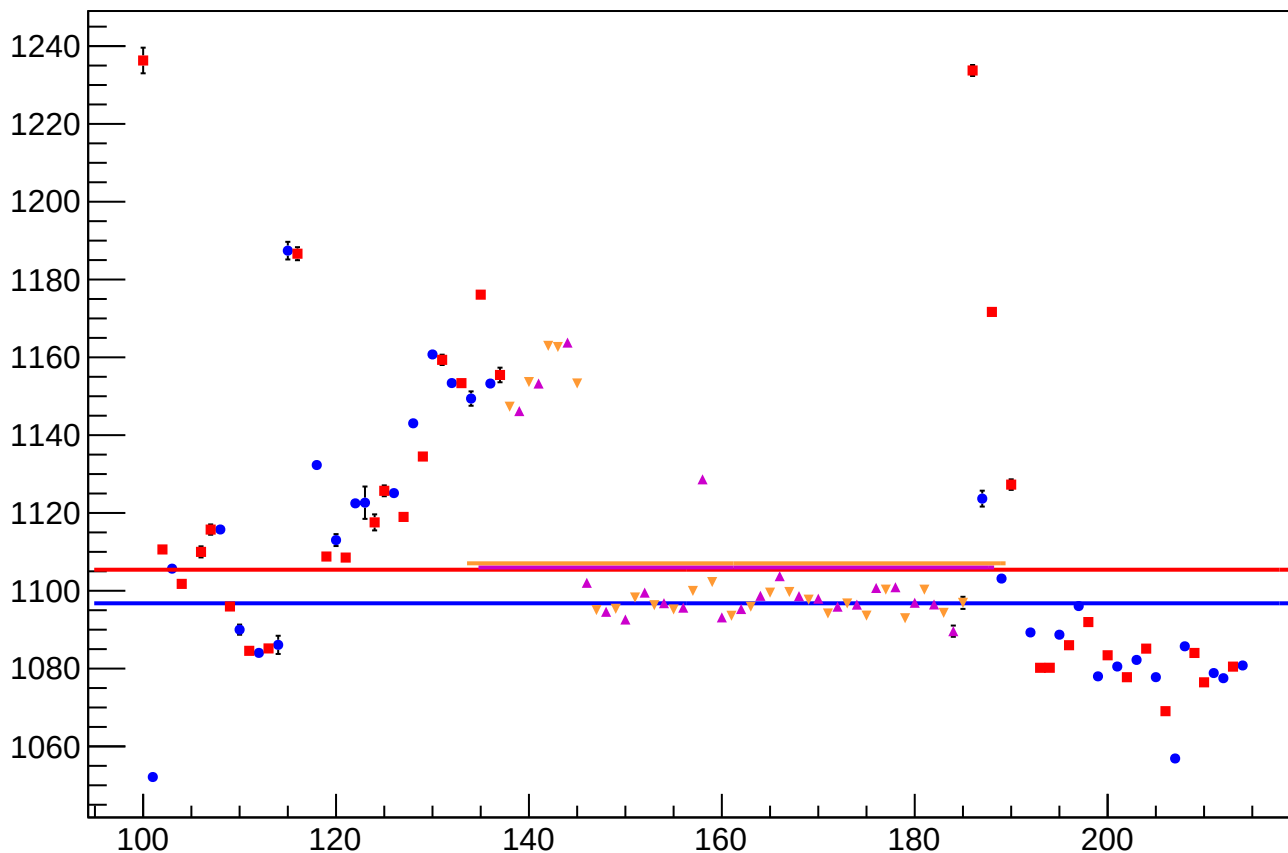
Left In: -2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

+ sign 2305.669 $\pm$ 185.891 χ^2 /NDF: 37.2/55

All: 118.947 $\pm$ 132.214 χ^2 /NDF: 374.4/111

- sign -2119.737 $\pm$ 188.087 χ^2 /NDF: 57.2/55

reg_asym_usr_rms vs Slug



Right In: 1096.780 $\pm$ 0.190 χ^2 /NDF: 23612.0/30

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

Right Out: 1105.413 $\pm$ 0.189 χ^2 /NDF: 36016.3/32

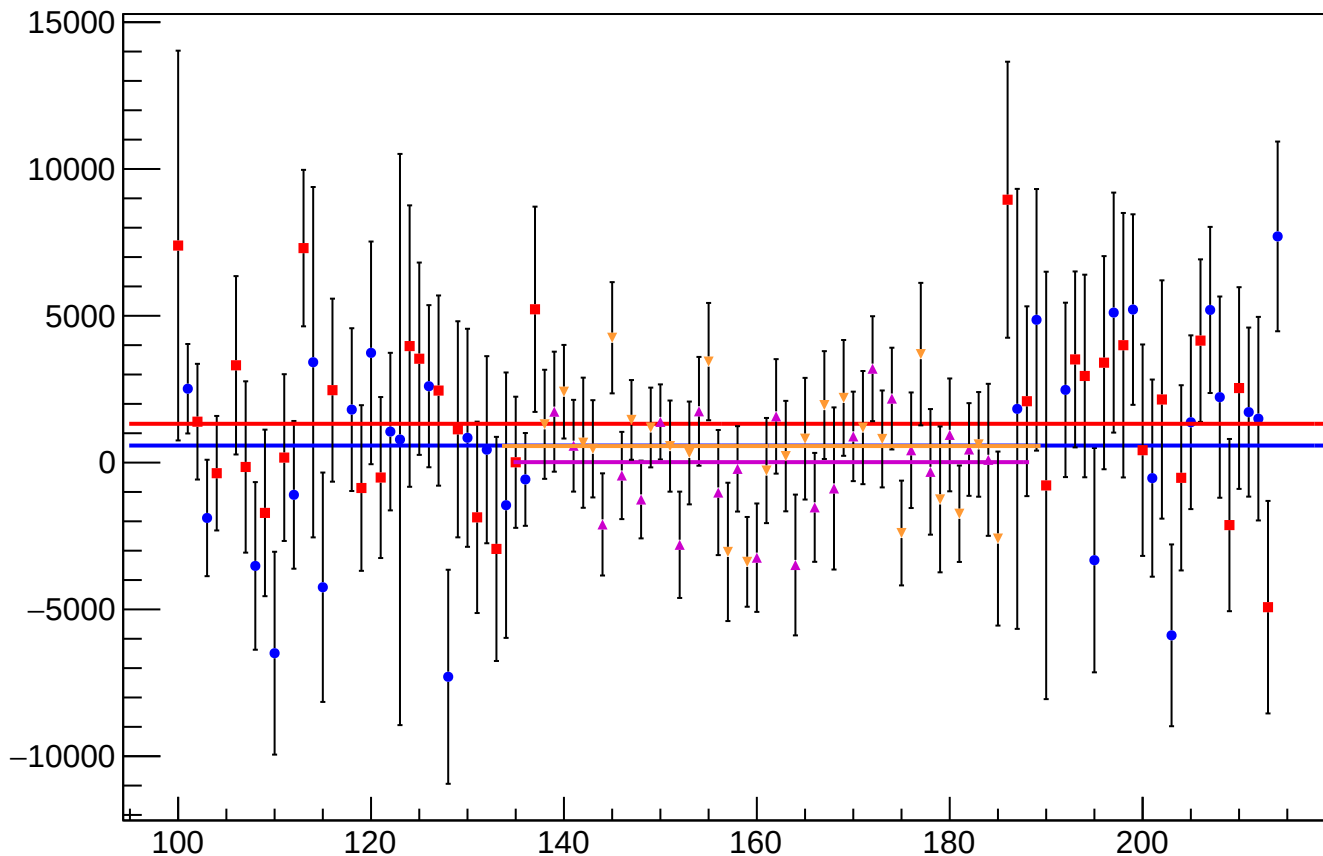
Left In: 1105.997 $\pm$ 0.187 χ^2 /NDF:11551.3/22

+ sign 1102.135 $\pm$ 0.131 χ^2 /NDF: 40313.0/55

All: 1103.901 $\pm$ 0.093 χ^2 /NDF: 88250.6/111

- sign 1105.708 $\pm$ 0.133 χ^2 /NDF: 47572.5/55

asym_usr_correction_mean vs Slug



Right In: 580.769+/-531.404 χ^2/NDF : 36.7/30

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

Right Out: 1321.739+/-542.507 χ^2/NDF : 24.7/32

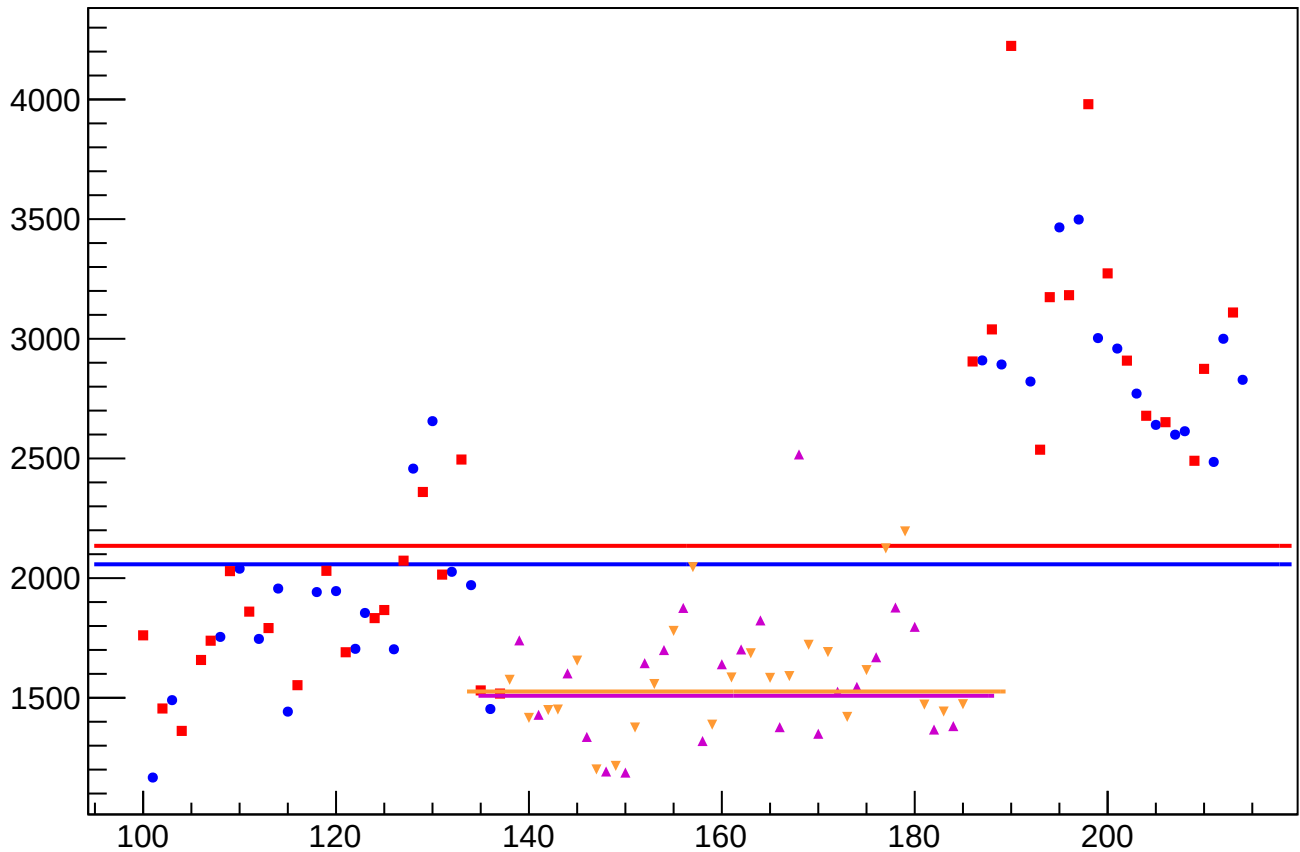
Left In: 15.520+/-366.854 χ^2/NDF : 20.1/22

+ sign 568.802+/-298.557 χ^2/NDF : 63.4/55

All: 498.369+/-212.974 χ^2/NDF : 112.3/111

- sign 425.395+/-303.895 χ^2/NDF : 48.8/55

asym_usr_correction_rms vs Slug



Right In: 2057.795 $\pm$ 0.376 χ^2 /NDF: 3072433.9/30

Left Out: 1526.391 $\pm$ 0.255 χ^2 /NDF: 753714.4/24

Right Out: 2134.933 $\pm$ 0.384 χ^2 /NDF: 2847115.0/32

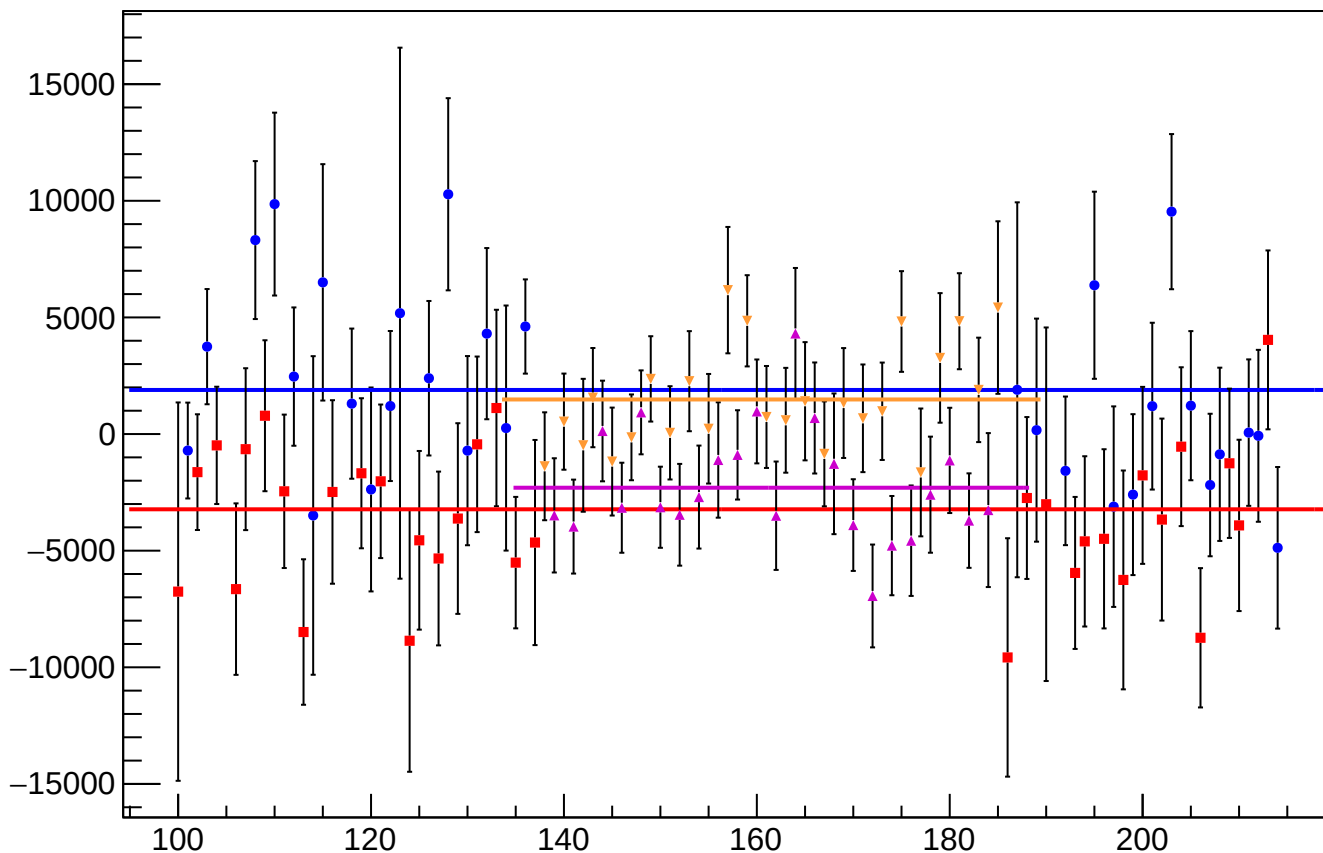
Left In: 1508.581 $\pm$ 0.259 χ^2 /NDF: 931684.8/22

+ sign 1694.129 $\pm$ 0.211 χ^2 /NDF: 5194845.1/55

All: 1699.528 $\pm$ 0.151 χ^2 /NDF: 10804404.4/1

- sign 1705.122 $\pm$ 0.215 χ^2 /NDF: 5608227.4/55

asym_usr_mean vs Slug



Right In: 1889.922 ± 619.035 χ^2/NDF : 37.2/30

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

Right Out: -3226.262 ± 625.493 χ^2/NDF : 23.0/32

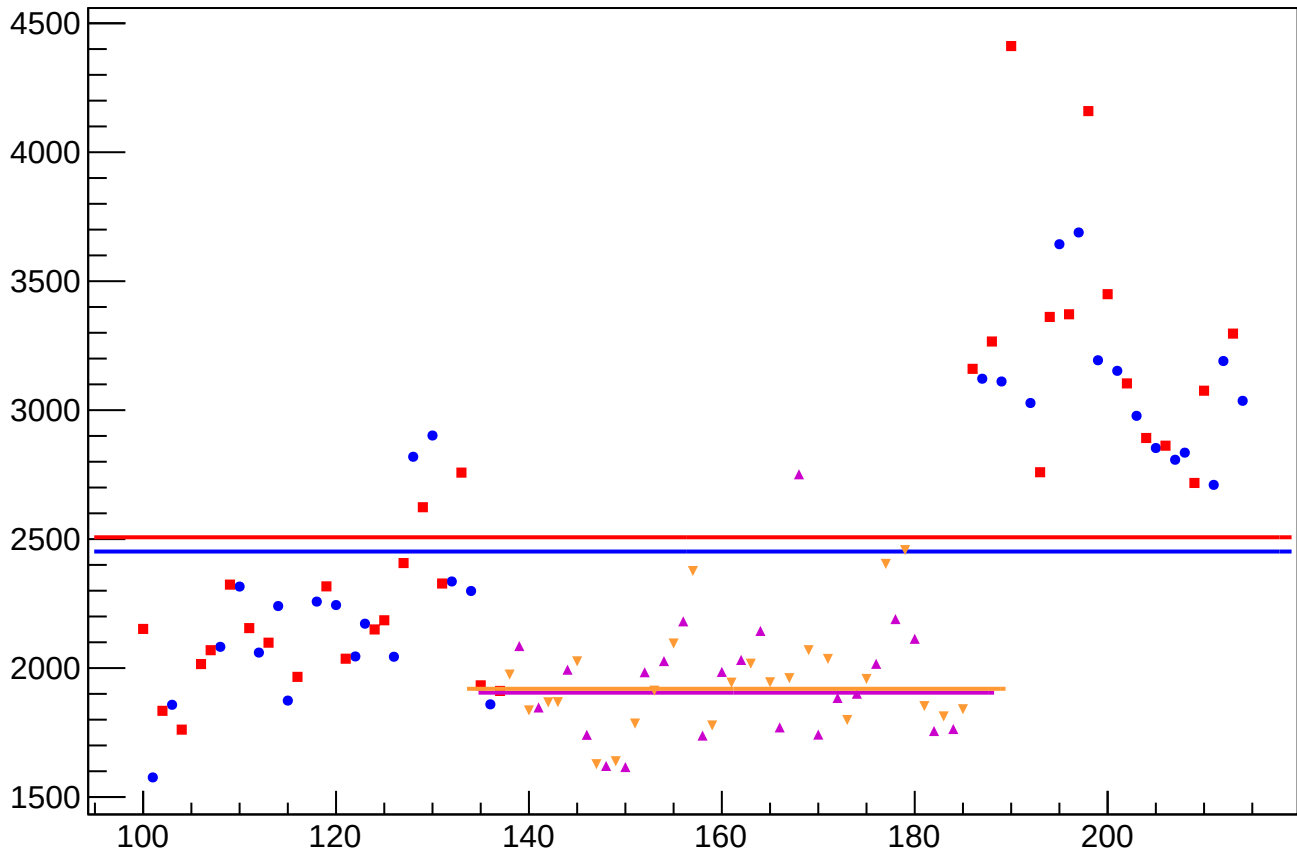
Left In: -2301.247 ± 459.040 χ^2/NDF : 24.8/22

+ sign 1623.266 ± 363.980 χ^2/NDF : 58.4/55

All: -465.622 ± 259.501 χ^2/NDF : 174.6/111

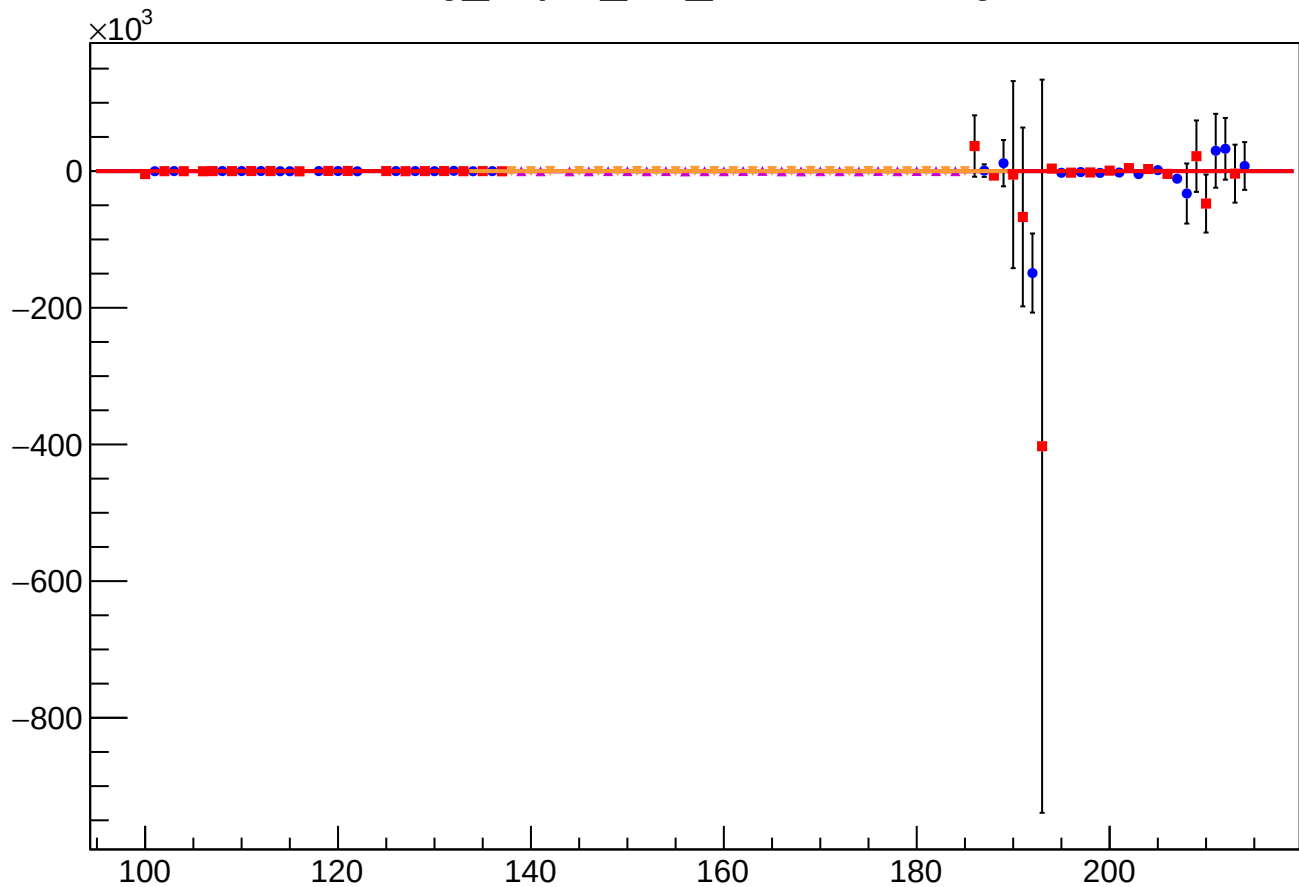
- sign -2625.051 ± 370.075 χ^2/NDF : 49.2/55

asym_usr_rms vs Slug



Right In: 2451.860+/-0.438	χ^2/NDF : 1769174.4/30	+ sign 2103.700+/-0.257	χ^2/NDF : 3102324.9/55
Left Out: 1919.732+/-0.318	χ^2/NDF : 366218.1/24	All: 2109.521+/-0.183	χ^2/NDF : 6539765.4/11
Right Out: 2507.138+/-0.442	χ^2/NDF : 1782929.1/32	- sign 2115.539+/-0.262	χ^2/NDF : 3436400.1/55
Left In: 1904.629+/-0.325	χ^2/NDF : 447350.7/22		

reg_asym_dsl_mean vs Slug



Right In: -2.334 ± 36.762 χ^2/NDF : 32.9/29

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

Right Out: -1.857 ± 36.747 χ^2/NDF : 20.9/32

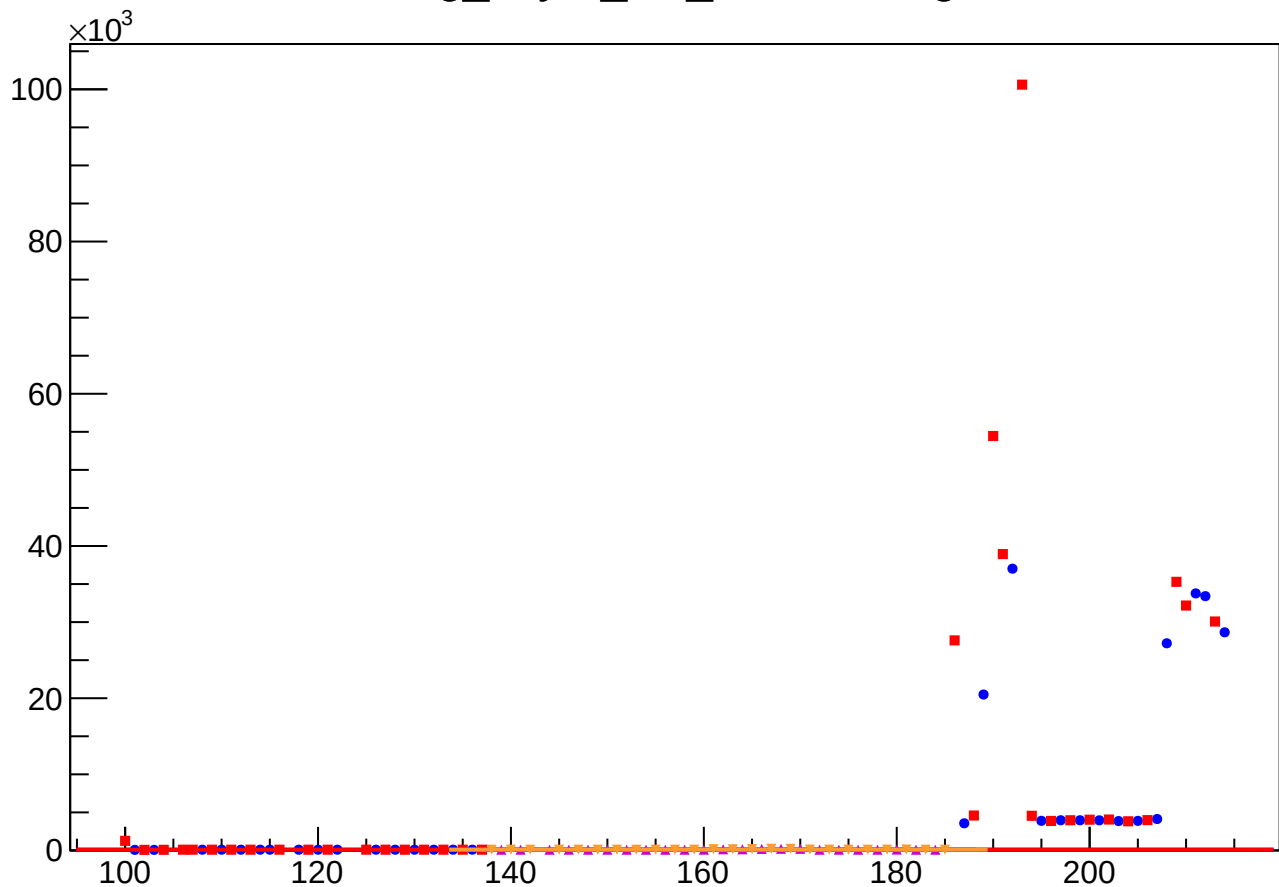
Left In: -24.786 ± 26.343 χ^2/NDF : 36.4/22

+ sign 7.329 ± 21.368 χ^2/NDF : 68.9/53

All: -4.813 ± 15.124 χ^2/NDF : 127.1/109

- sign -17.003 ± 21.410 χ^2/NDF : 57.6/55

reg_asym_dsl_rms vs Slug



Right In: 96.124 $\pm$ 0.026 χ^2 /NDF: 16784949.5/29

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

Right Out: 98.293 $\pm$ 0.026 χ^2 /NDF: 15544339.4/32

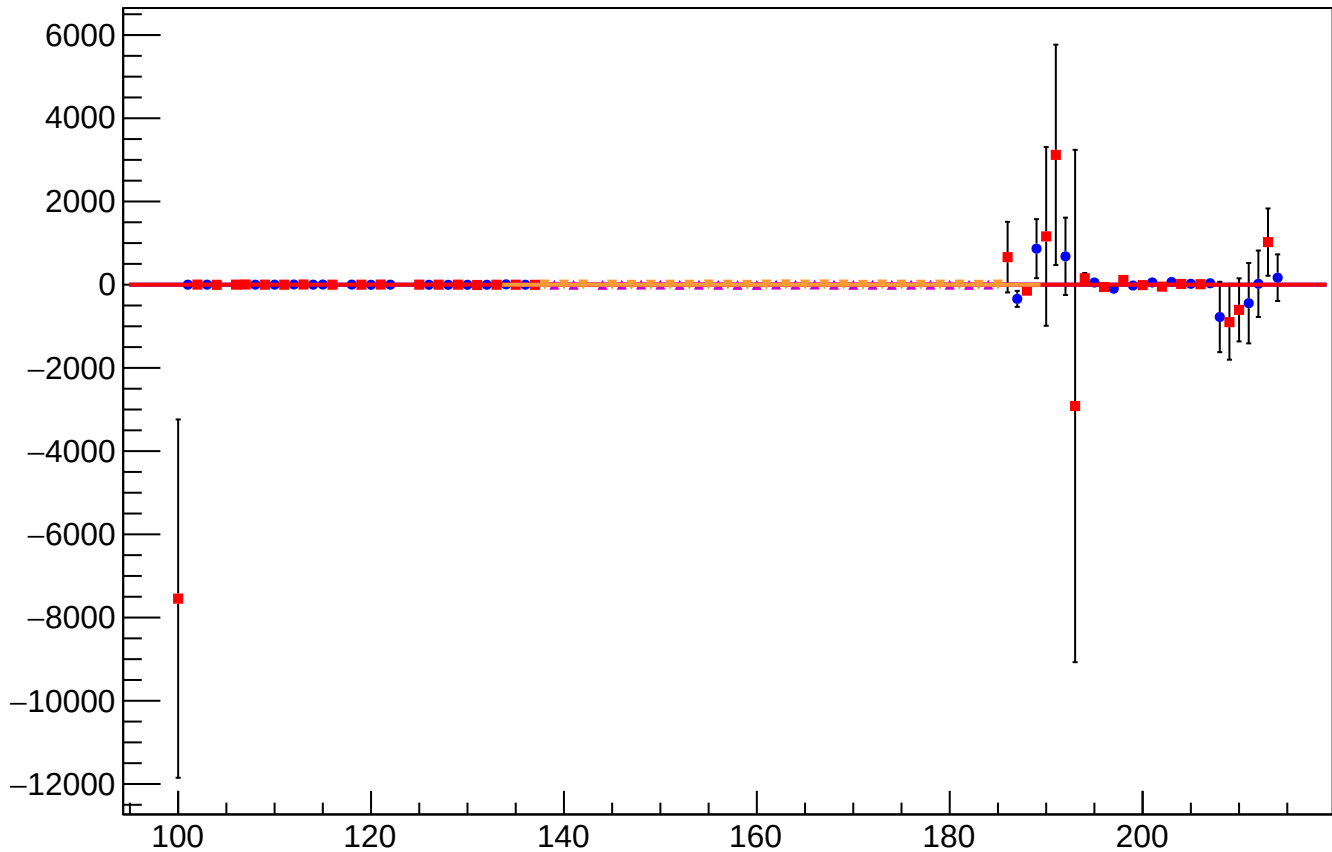
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

+ sign 104.027 $\pm$ 0.015 χ^2 /NDF: 18359527.1/53

All: 104.257 $\pm$ 0.011 χ^2 /NDF: 35481436.5/10

- sign 104.488 $\pm$ 0.015 χ^2 /NDF: 17121443.8/55

asym_dsl_correction_mean vs Slug



Right In: 0.397 $\pm$ 0.617 χ^2 /NDF: 20.6/29

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

Right Out: 0.346 $\pm$ 0.644 χ^2 /NDF: 32.9/32

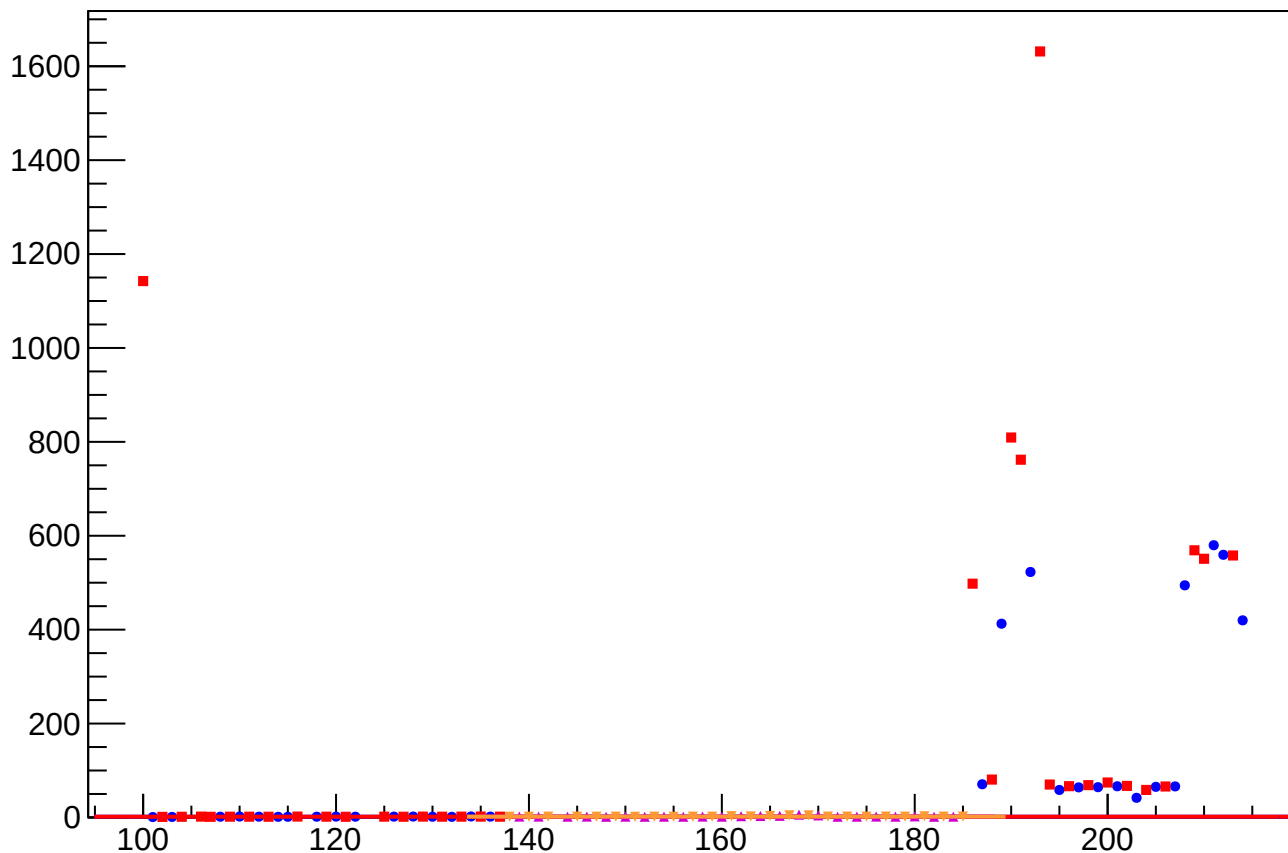
Left In: 0.067 $\pm$ 0.485 χ^2 /NDF:25.0/22

+ sign -0.188 $\pm$ 0.376 χ^2 /NDF: 52.5/53

All: -0.015 $\pm$ 0.270 χ^2 /NDF: 111.0/109

- sign 0.168 $\pm$ 0.387 χ^2 /NDF: 58.0/55

asym_dsl_correction_rms vs Slug



Right In: 1.451+/-0.000 χ^2/NDF : 14573230.7/29

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

Right Out: 1.585+/-0.000 χ^2/NDF : 13730884.6/32

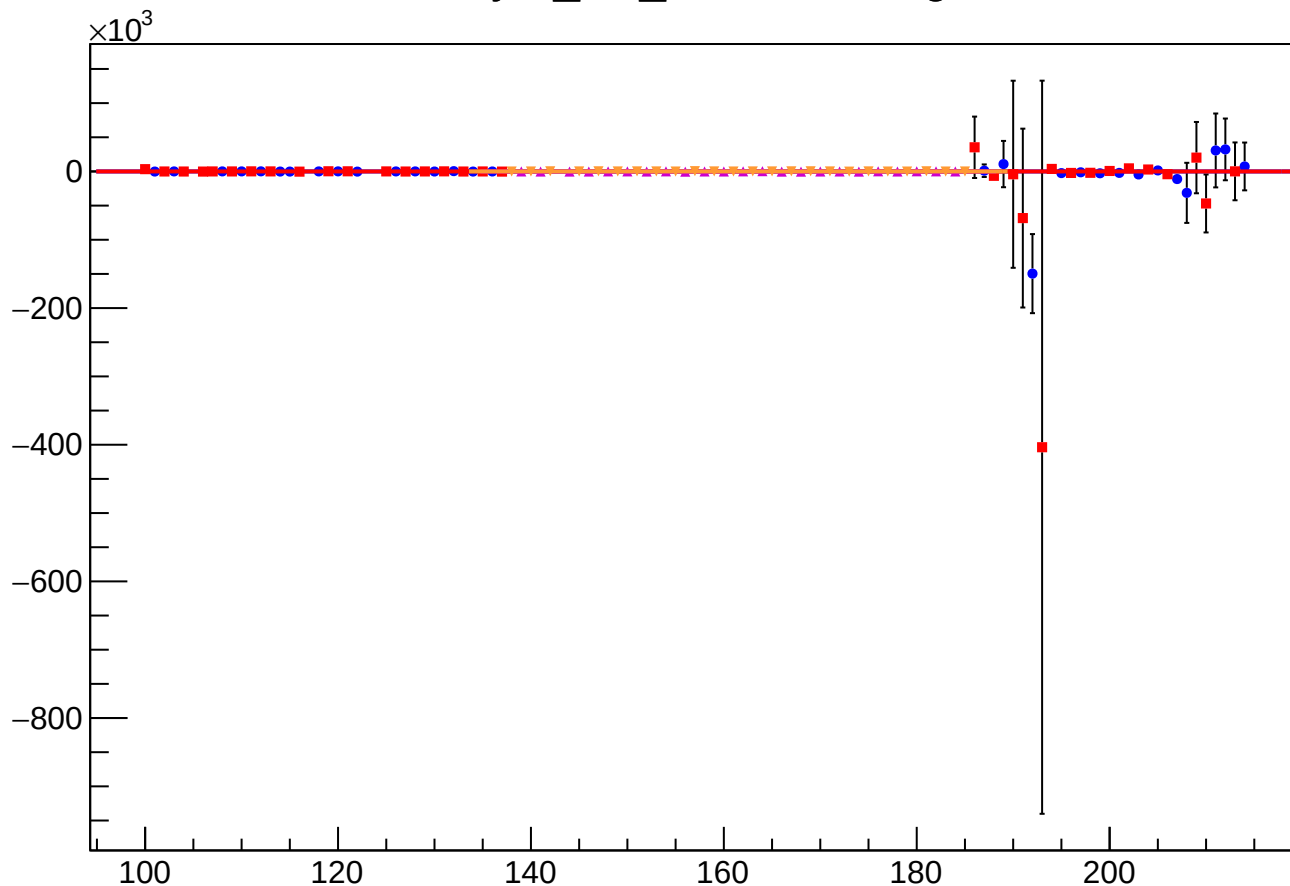
Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

+ sign 1.652+/-0.000 χ^2/NDF : 16511366.1/53

All: 1.687+/-0.000 χ^2/NDF : 32344233.5/109

- sign 1.724+/-0.000 χ^2/NDF : 15797470.6/55

asym_dsl_mean vs Slug



Right In: -2.047 ± 36.771 χ^2/NDF : 33.1/29

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

Right Out: -1.620 ± 36.757 χ^2/NDF : 20.3/32

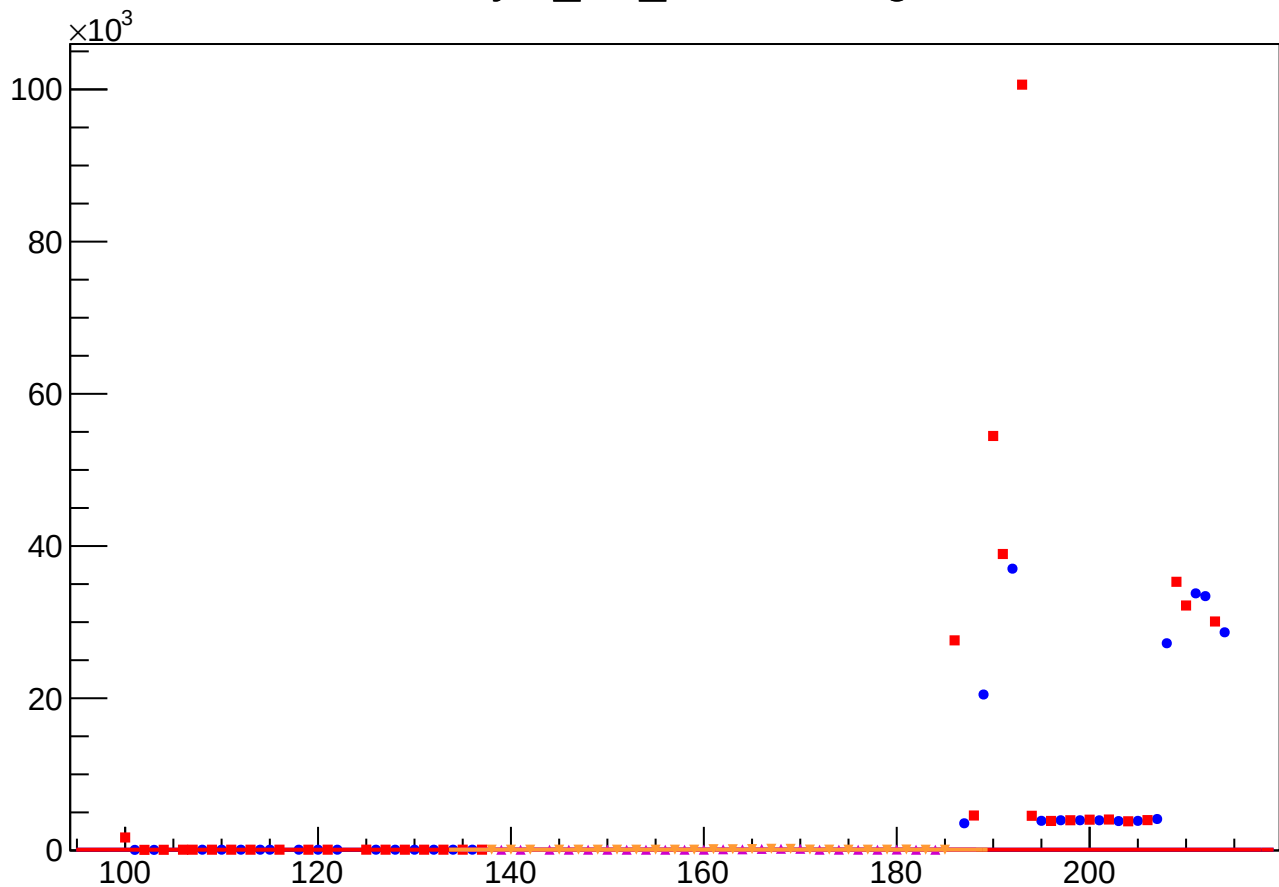
Left In: -25.312 ± 26.351 χ^2/NDF : 35.7/22

+ sign 7.881 ± 21.374 χ^2/NDF : 69.0/53

All: -4.669 ± 15.129 χ^2/NDF : 125.9/109

- sign -17.269 ± 21.416 χ^2/NDF : 56.2/55

asym_dsl_rms vs Slug



Right In: 96.149 $\pm$ 0.026 χ^2 /NDF: 16784947.9/29

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

Right Out: 98.302 $\pm$ 0.026 χ^2 /NDF: 15549645.7/32

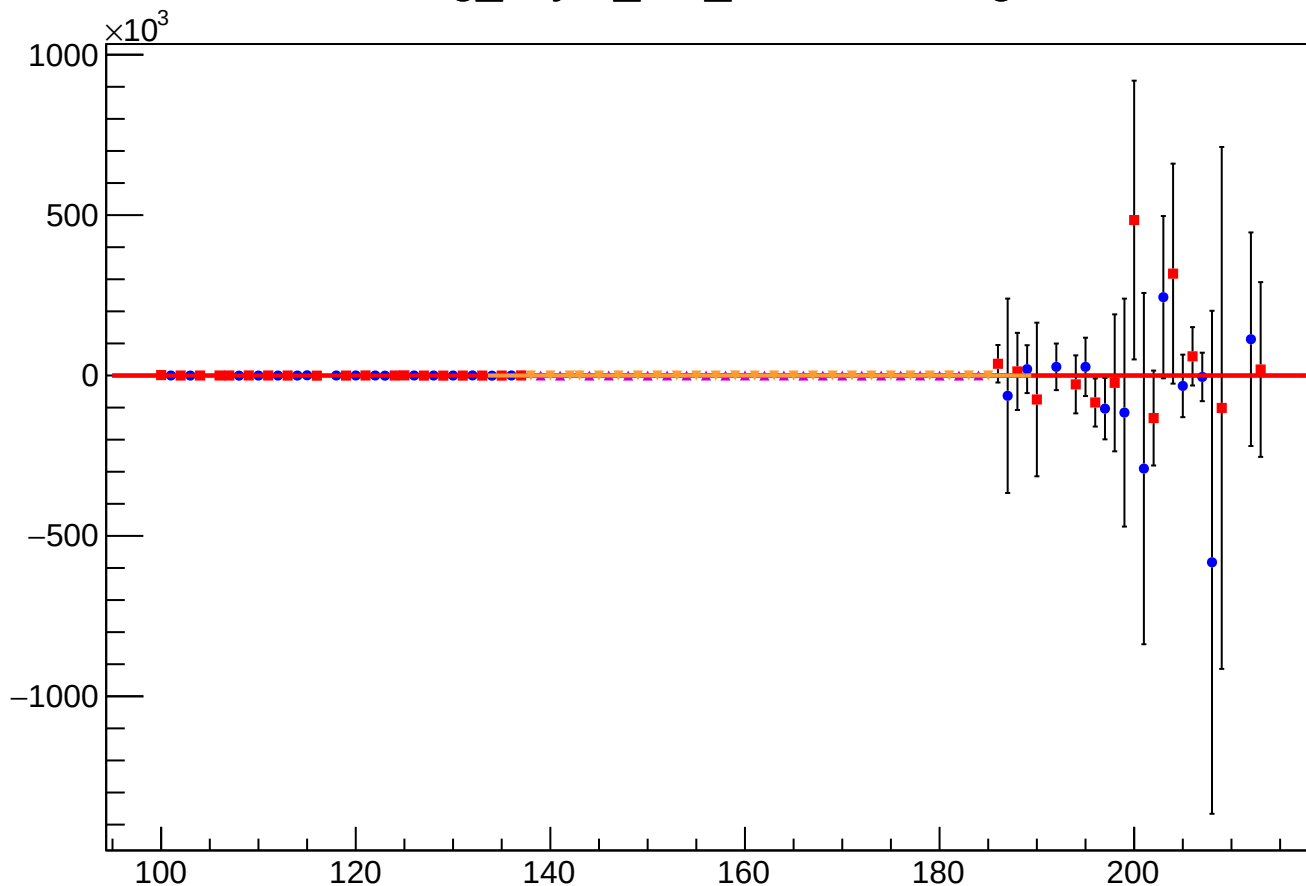
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

+ sign 104.055 $\pm$ 0.015 χ^2 /NDF: 18360979.5/53

All: 104.283 $\pm$ 0.011 χ^2 /NDF: 35489832.2/10

- sign 104.512 $\pm$ 0.015 χ^2 /NDF: 17128397.7/55

reg_asym_dsr_mean vs Slug



Right In: -26.802 ± 46.841 χ^2/NDF : 18.0/28

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

Right Out: -53.389 ± 47.775 χ^2/NDF : 20.6/30

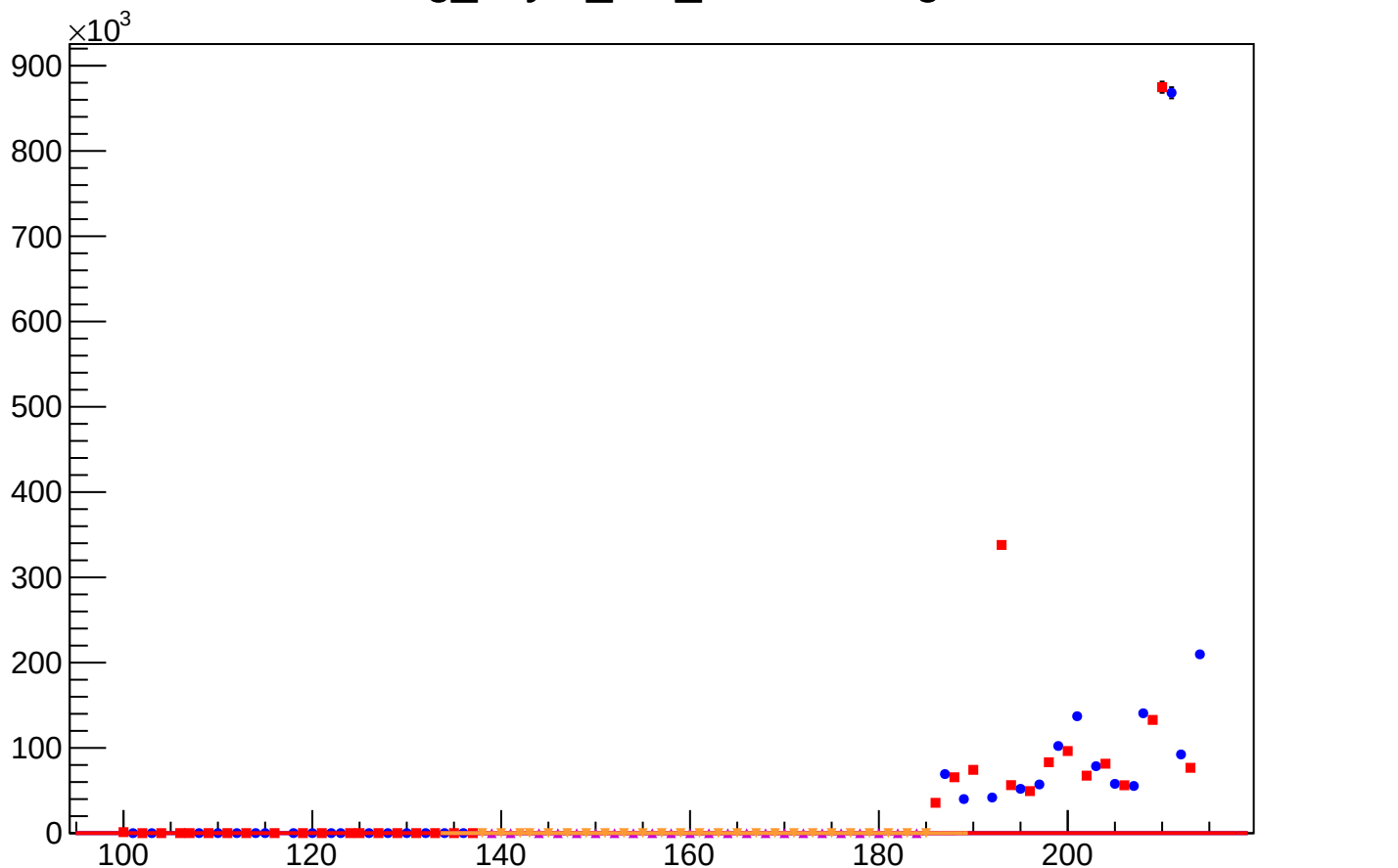
Left In: 65.335 ± 32.944 χ^2/NDF : 19.3/22

+ sign -17.287 ± 26.458 χ^2/NDF : 30.1/53

All: 4.345 ± 18.939 χ^2/NDF : 75.6/107

- sign 27.075 ± 27.121 χ^2/NDF : 44.1/53

reg_asym_dsr_rms vs Slug



Right In: 117.880 $\pm$ 0.033 χ^2 /NDF: 6769938.9/30

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

Right Out: 124.841 $\pm$ 0.034 χ^2 /NDF: 6452371.0/32

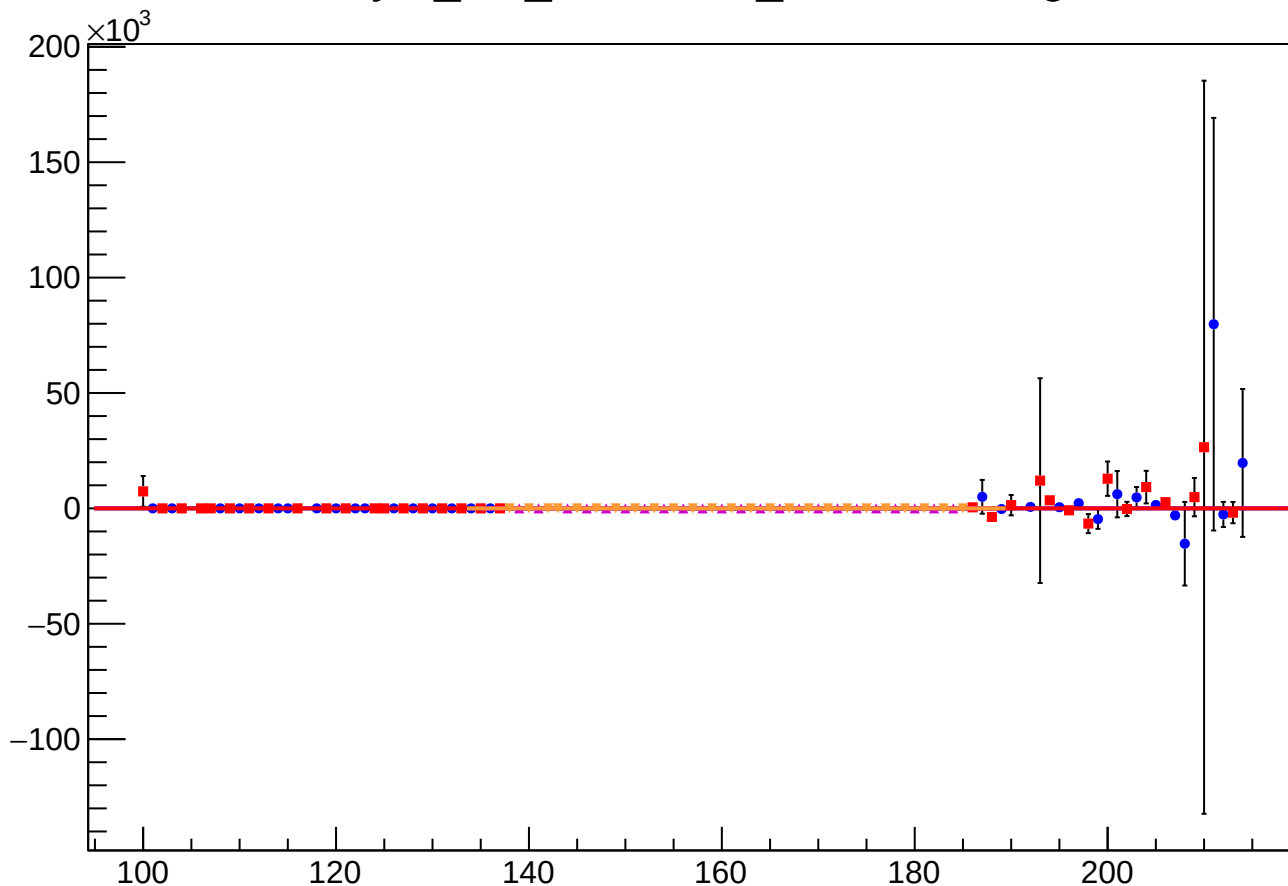
Left In: 137.804 $\pm$ 0.023 χ^2 /NDF:460.3/22

+ sign 131.483 $\pm$ 0.019 χ^2 /NDF: 7018074.5/55

All: 132.528 $\pm$ 0.013 χ^2 /NDF: 13577113.3/11

- sign 133.627 $\pm$ 0.019 χ^2 /NDF: 6552637.1/55

asym_dsr_correction_mean vs Slug



Right In: -0.719 ± 0.810 χ^2/NDF : 25.4/30

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

Right Out: 0.639 ± 0.852 χ^2/NDF : 32.7/32

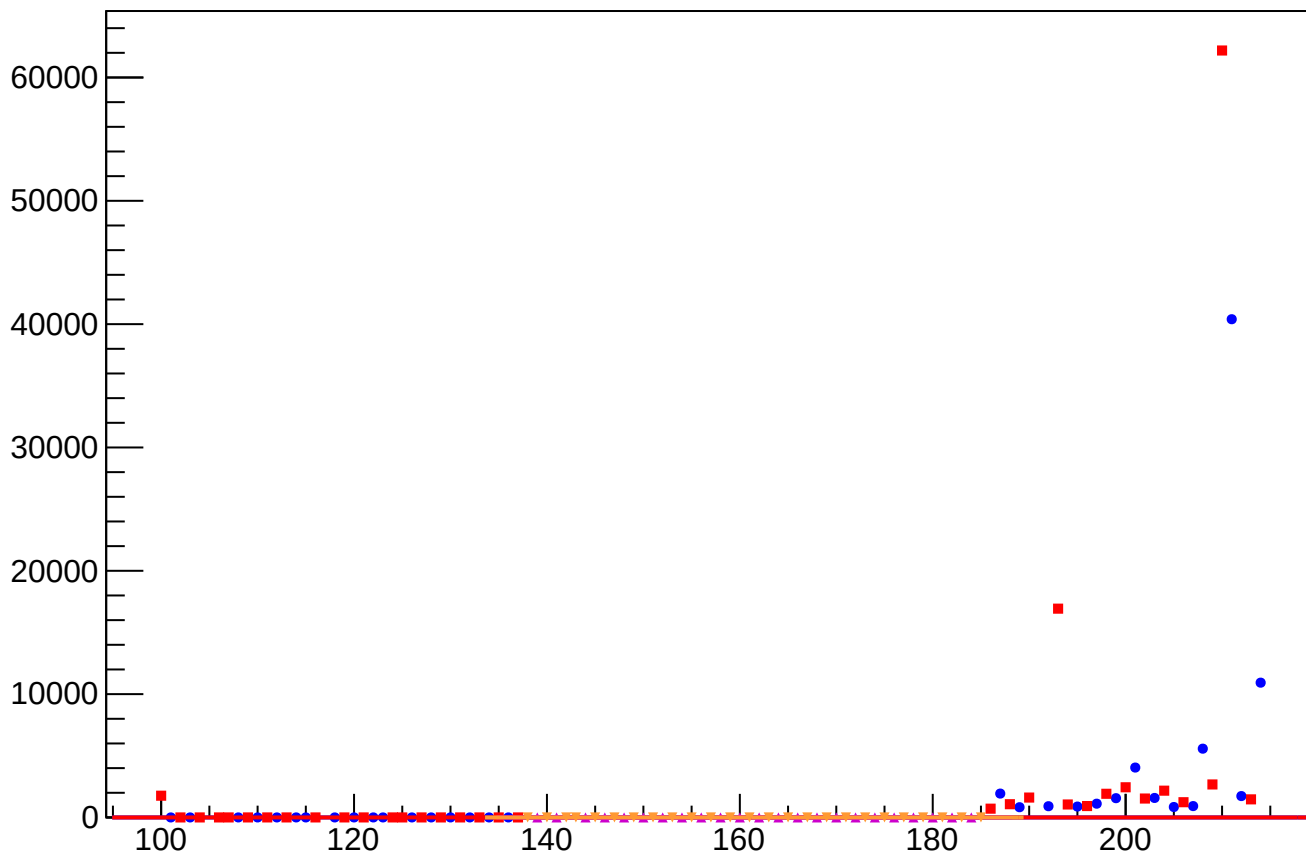
Left In: -0.290 ± 0.579 χ^2/NDF : 20.7/22

+ sign 0.087 ± 0.467 χ^2/NDF : 55.9/55

All: 0.046 ± 0.334 χ^2/NDF : 110.1/111

- sign 0.004 ± 0.479 χ^2/NDF : 54.2/55

asym_dsr_correction_rms vs Slug



Right In: 1.867 $\pm$ 0.001 χ^2 /NDF: 6663544.3/30

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

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 6790051.4/32

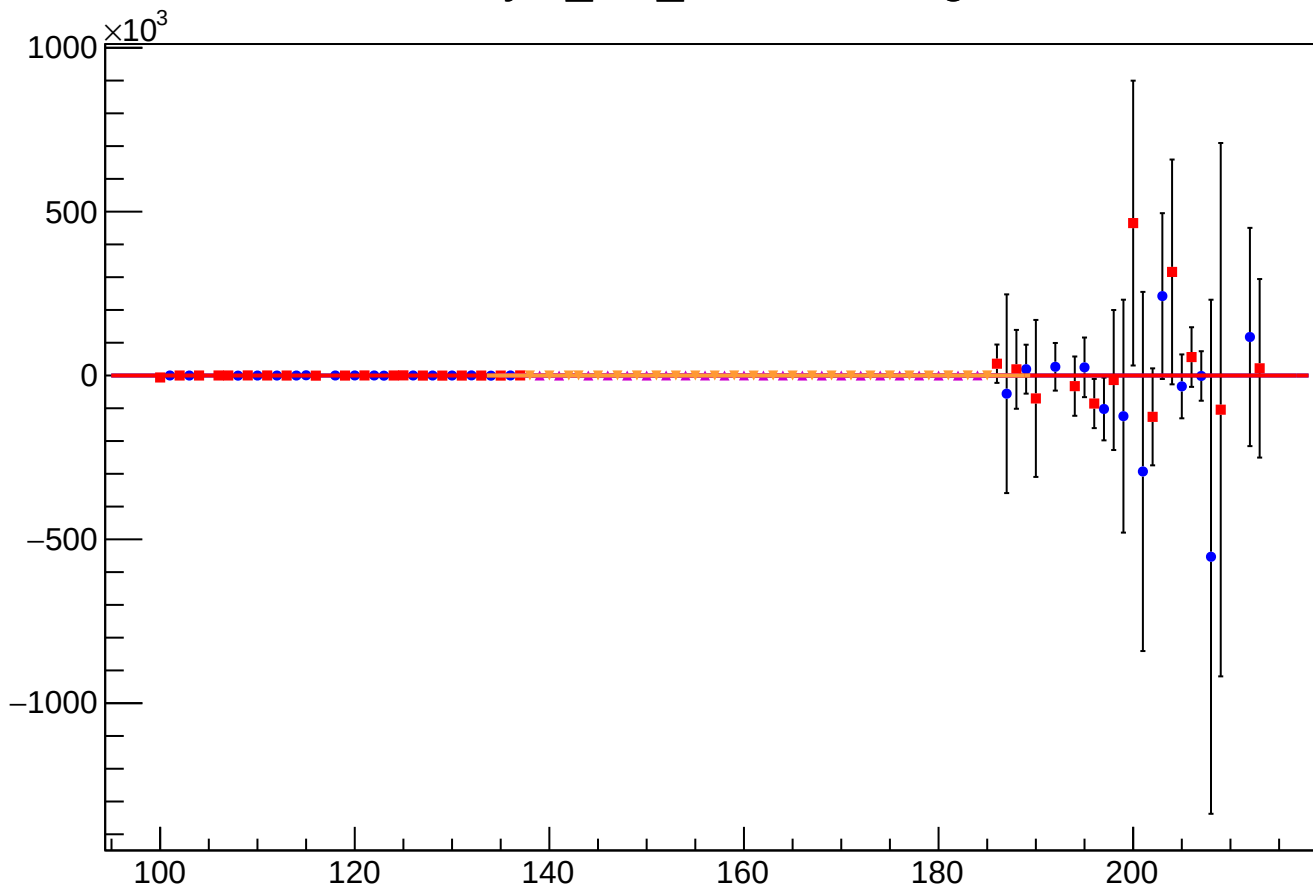
Left In: 2.193 $\pm$ 0.000 χ^2 /NDF: 510890.7/22

+ sign 2.130 $\pm$ 0.000 χ^2 /NDF: 7355713.7/55

All: 2.141 $\pm$ 0.000 χ^2 /NDF: 14689551.4/111

- sign 2.153 $\pm$ 0.000 χ^2 /NDF: 7331633.1/55

asym_dsr_mean vs Slug



Right In: -25.064 ± 46.854 χ^2/NDF : 18.0/28

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

Right Out: -54.291 ± 47.789 χ^2/NDF : 21.1/30

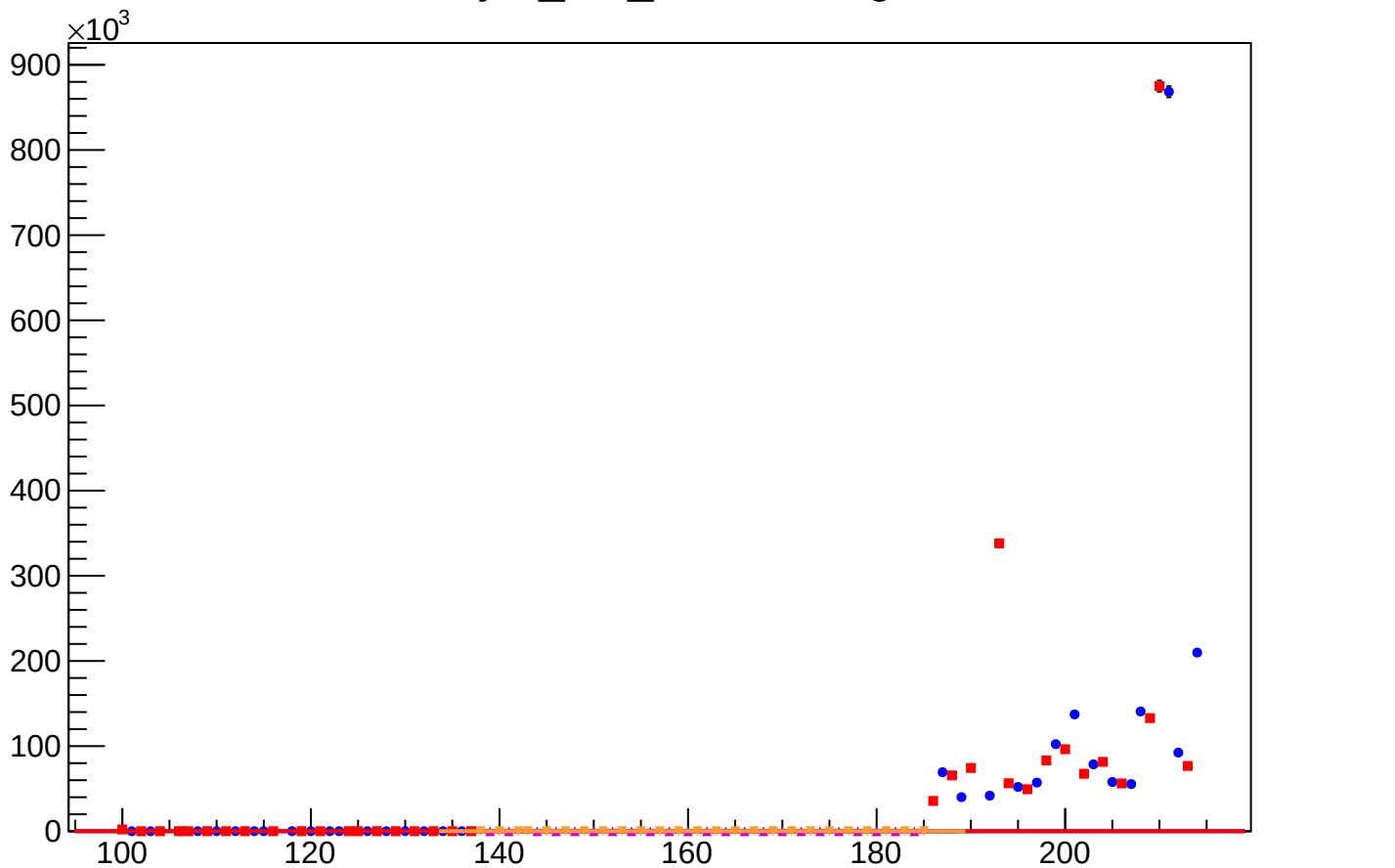
Left In: 65.231 ± 32.953 χ^2/NDF : 19.4/22

+ sign -17.110 ± 26.465 χ^2/NDF : 29.8/53

All: 4.260 ± 18.944 χ^2/NDF : 75.9/107

- sign 26.714 ± 27.129 χ^2/NDF : 44.7/53

asym_dsr_rms vs Slug



Right In: 117.912 $\pm$ 0.033 χ^2 /NDF: 6770086.4/30

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

Right Out: 124.830 $\pm$ 0.034 χ^2 /NDF: 6463039.9/32

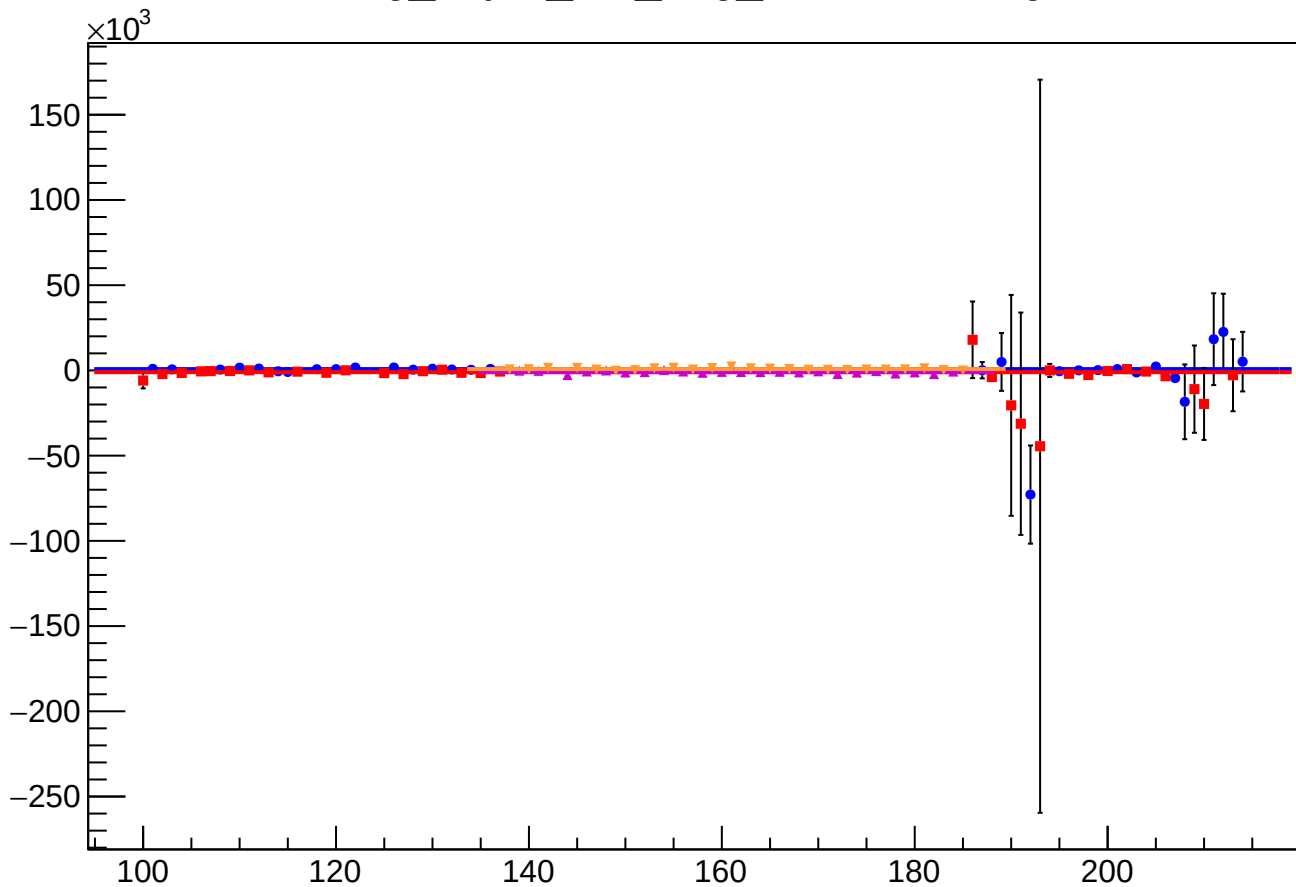
Left In: 137.843 $\pm$ 0.023 χ^2 /NDF:457.2/22

+ sign 131.519 $\pm$ 0.019 χ^2 /NDF: 7018253.2/55

All: 132.558 $\pm$ 0.013 χ^2 /NDF: 13588584.8/11

- sign 133.649 $\pm$ 0.019 χ^2 /NDF: 6564014.0/55

reg_asym_left_avg_mean vs Slug



Right In: 769.456 $\pm$ 209.839 χ^2 /NDF: 21.0/29

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

Right Out: -1039.694 $\pm$ 207.265 χ^2 /NDF: 19.6/32

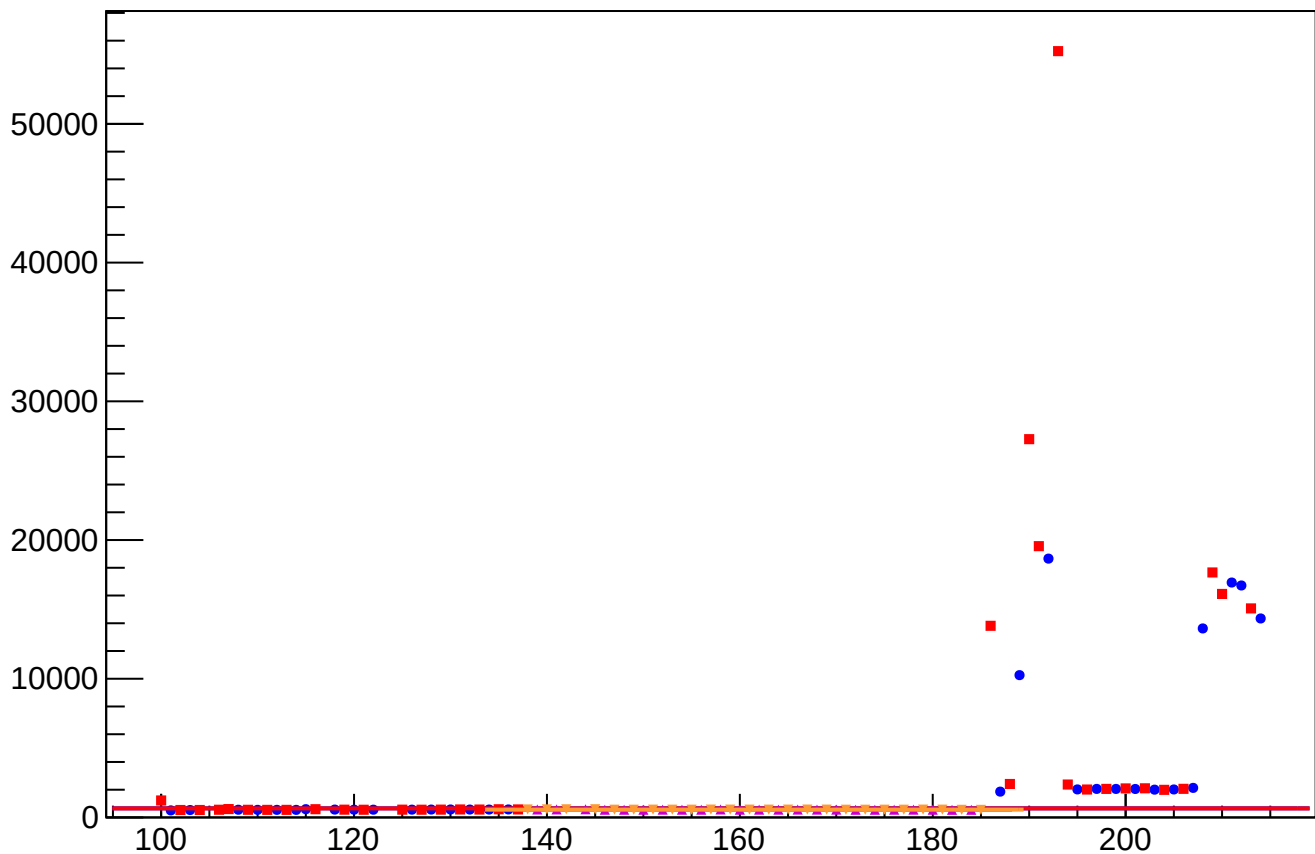
Left In: -974.402 $\pm$ 134.932 χ^2 /NDF: 27.4/22

+ sign 780.048 $\pm$ 112.969 χ^2 /NDF: 40.2/53

All: -106.019 $\pm$ 79.921 χ^2 /NDF: 210.5/109

- sign -993.837 $\pm$ 113.081 χ^2 /NDF: 47.2/55

reg_asym_left_avg_rms vs Slug



Right In: 656.188+/-0.148 χ^2/NDF : 10920859.1/29

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

Right Out: 653.033+/-0.147 χ^2/NDF : 10077201.2/32

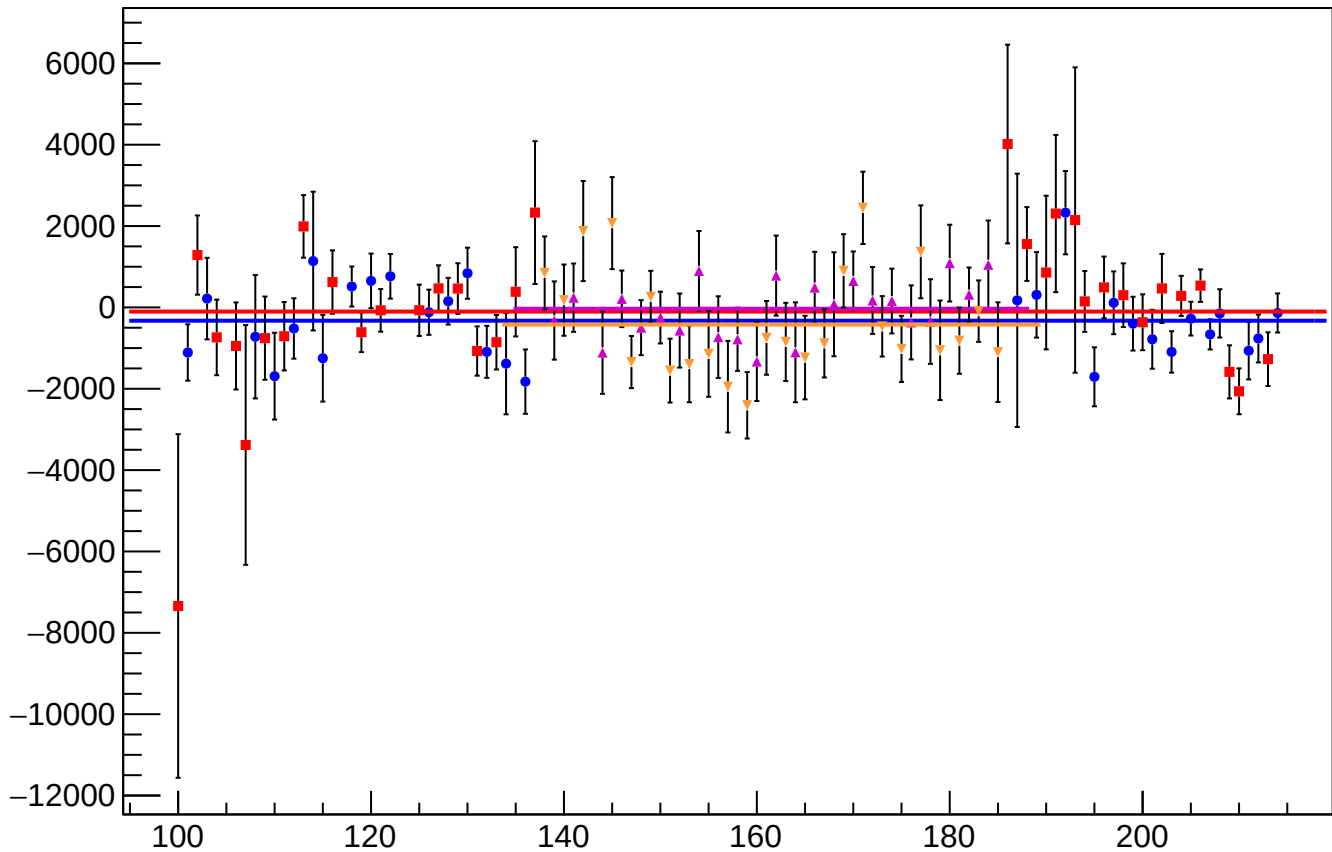
Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

+ sign 590.821+/-0.080 χ^2/NDF : 11203736.7/53

All: 590.796+/-0.057 χ^2/NDF : 21547117.6/10

- sign 590.771+/-0.080 χ^2/NDF : 10343380.7/55

asym_left_avg_correction_mean vs Slug



Right In: -326.961 ± 120.100 χ^2/NDF : 40.3/29

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

Right Out: -102.095 ± 129.210 χ^2/NDF : 58.8/32

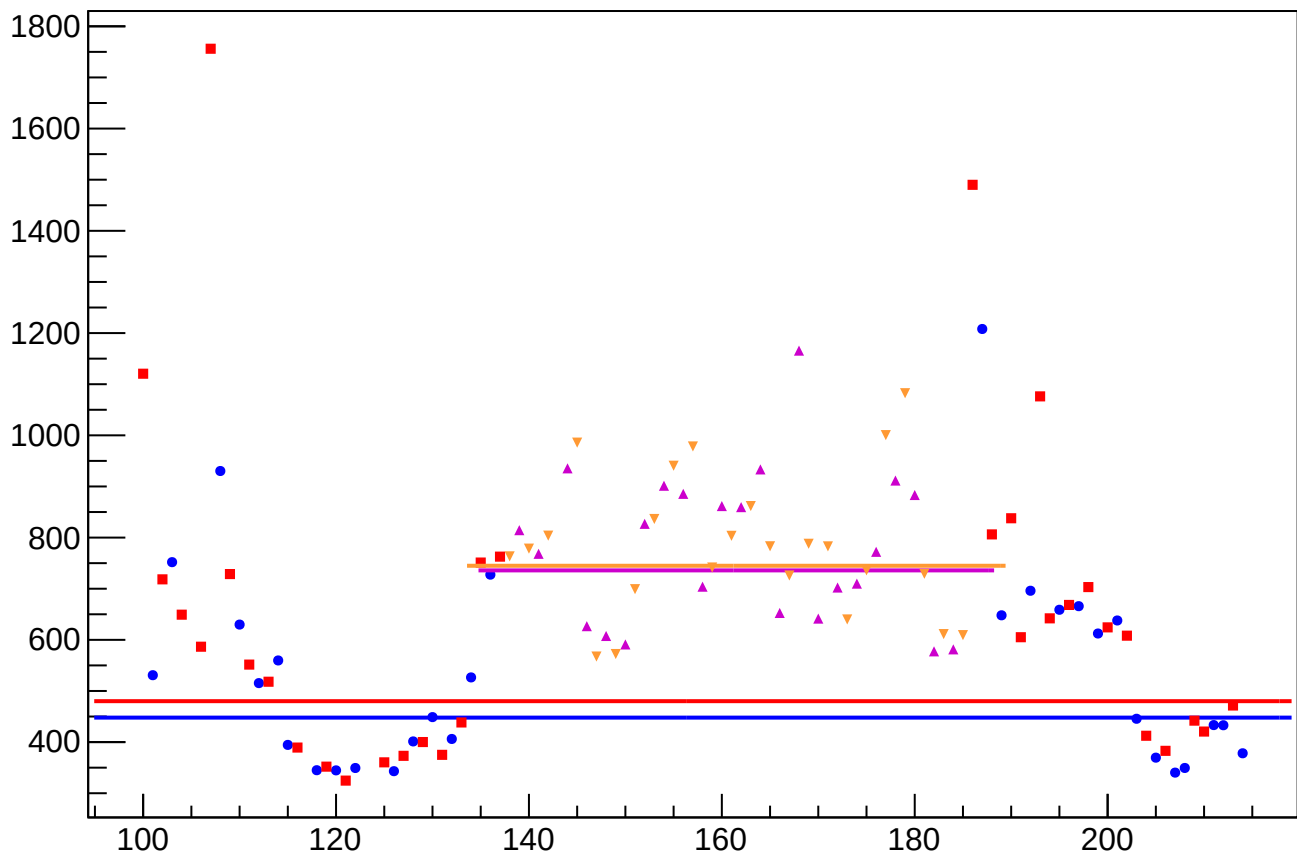
Left In: -32.411 ± 179.430 χ^2/NDF : 12.2/22

+ sign -356.309 ± 100.007 χ^2/NDF : 83.7/53

All: -223.876 ± 72.368 χ^2/NDF : 158.5/109

- sign -78.299 ± 104.853 χ^2/NDF : 71.1/55

asym_left_avg_correction_rms vs Slug



Right In: 447.897 $\pm$ 0.085 χ^2 /NDF: 2291986.7/29

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

Right Out: 480.057 $\pm$ 0.091 χ^2 /NDF: 2952109.2/32

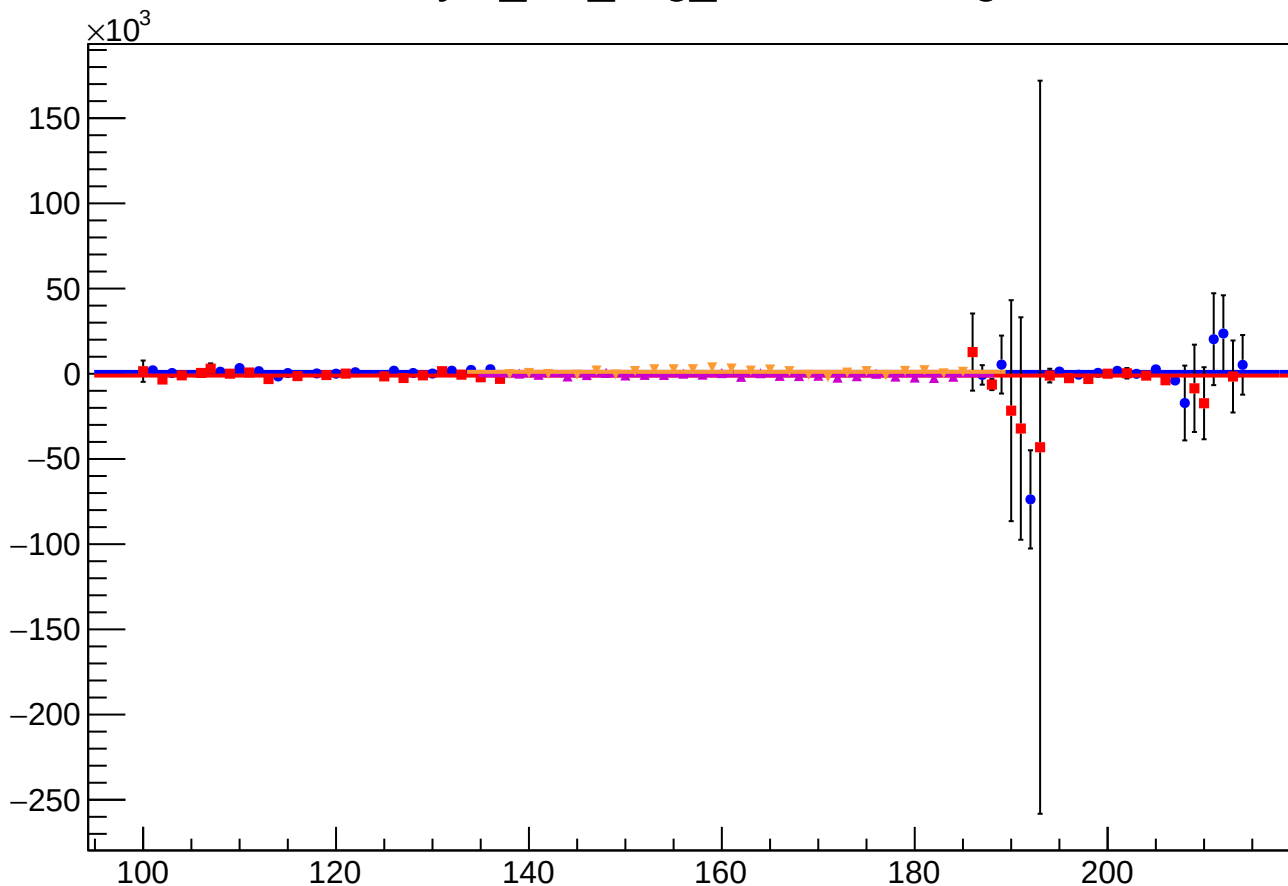
Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

+ sign 538.963 $\pm$ 0.071 χ^2 /NDF: 7051214.9/53

All: 552.512 $\pm$ 0.051 χ^2 /NDF: 13862389.7/10

- sign 567.406 $\pm$ 0.074 χ^2 /NDF: 6734110.1/55

asym_left_avg_mean vs Slug



Right In: 1095.564 $\pm$ 280.555 χ^2 /NDF: 26.9/29

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

Right Out: -1063.009 $\pm$ 280.349 χ^2 /NDF: 30.4/32

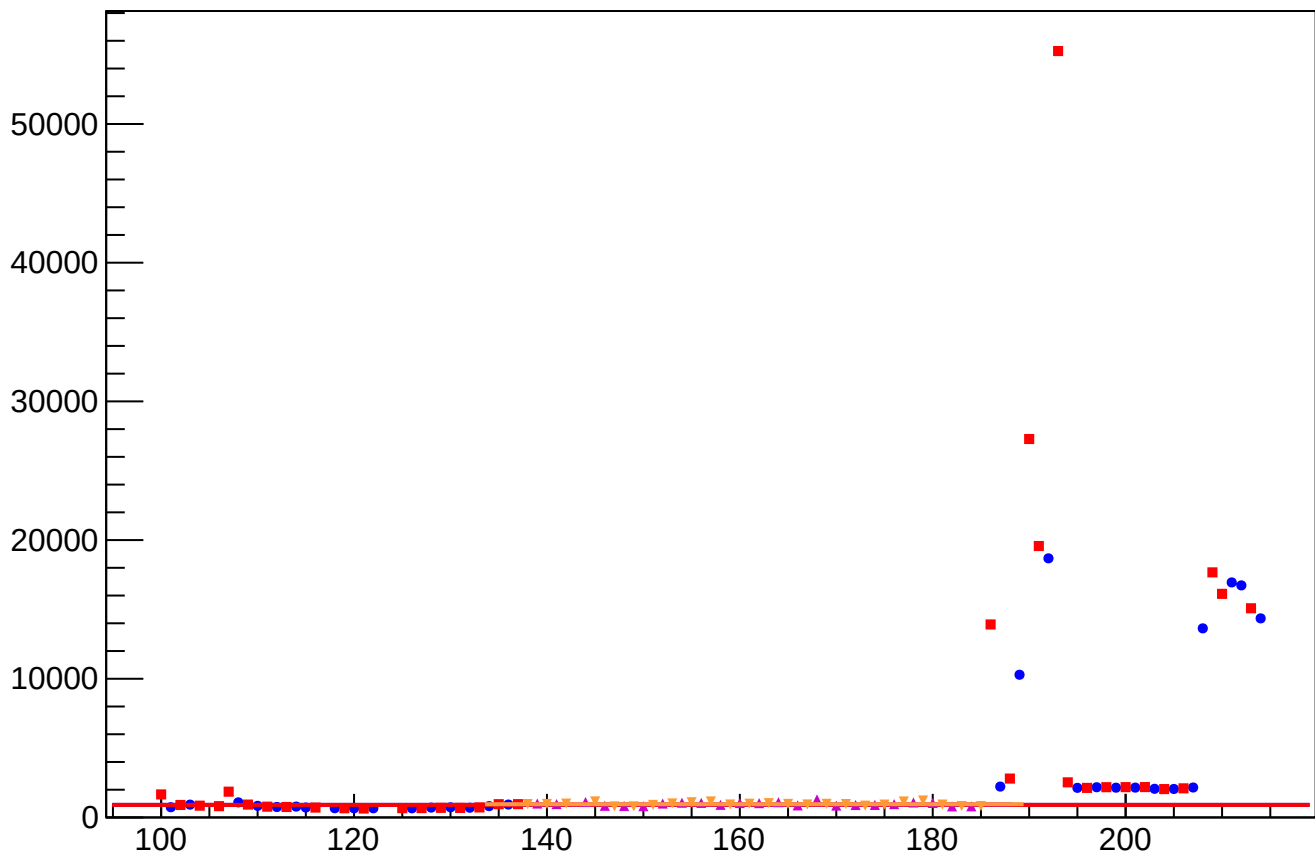
Left In: -941.702 $\pm$ 228.324 χ^2 /NDF: 14.8/22

+ sign 1121.008 $\pm$ 177.328 χ^2 /NDF: 65.8/53

All: 63.740 $\pm$ 125.287 χ^2 /NDF: 182.1/109

- sign -990.077 $\pm$ 177.038 χ^2 /NDF: 45.3/55

asym_left_avg_rms vs Slug



Right In: 907.033+/-0.198 χ^2/NDF : 9559287.9/29

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

Right Out: 904.960+/-0.198 χ^2/NDF : 9140725.7/32

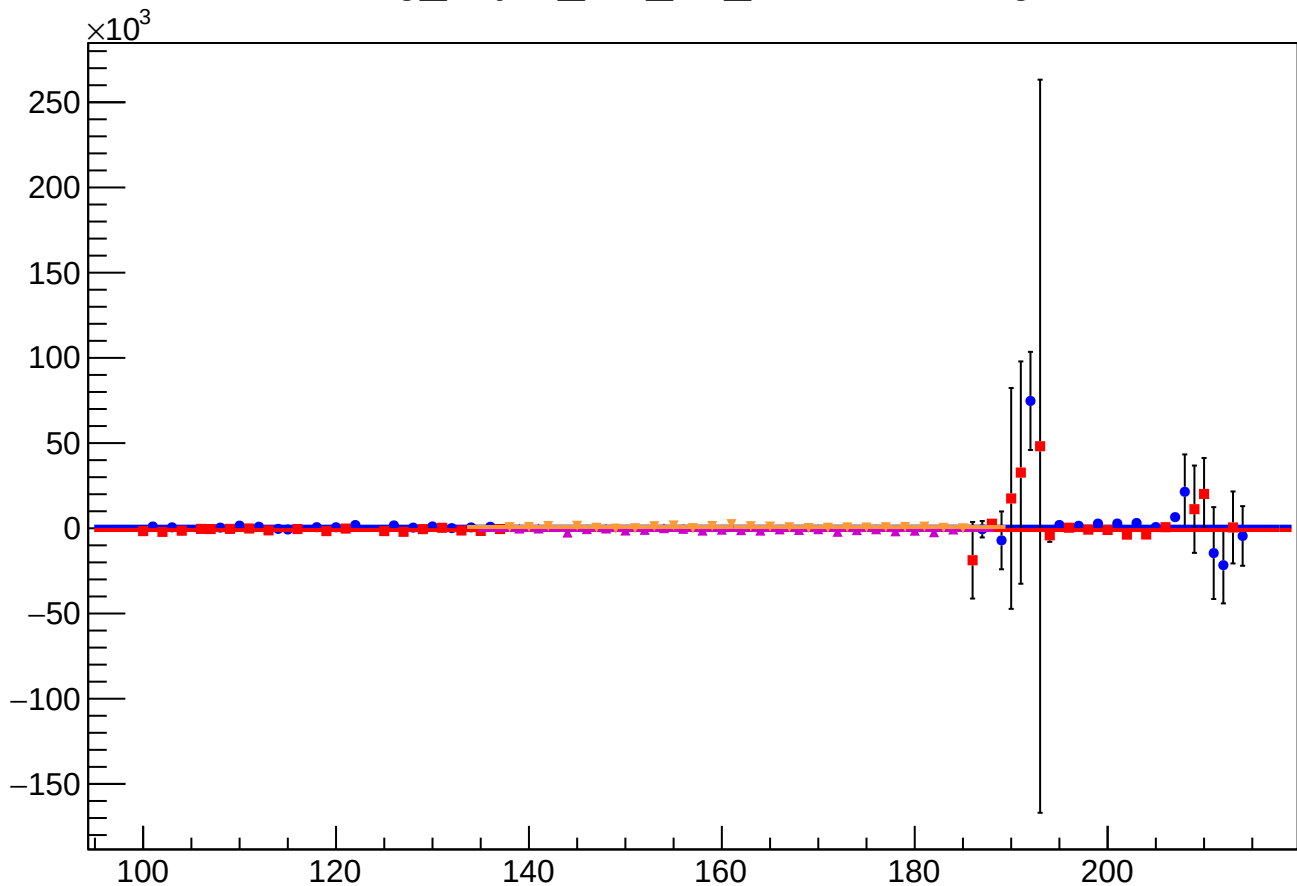
Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

+ sign 935.437+/-0.125 χ^2/NDF : 10053574.0/53

All: 932.703+/-0.089 χ^2/NDF : 19723107.2/10

- sign 929.978+/-0.125 χ^2/NDF : 9668584.2/55

reg_asym_left_dd_mean vs Slug



Right In: 956.792 $\pm$ 209.708 χ^2 /NDF: 23.8/29

Left Out: 757.642 $\pm$ 133.942 χ^2 /NDF: 21.0/23

Right Out: -1015.144 $\pm$ 202.652 χ^2 /NDF: 20.1/32

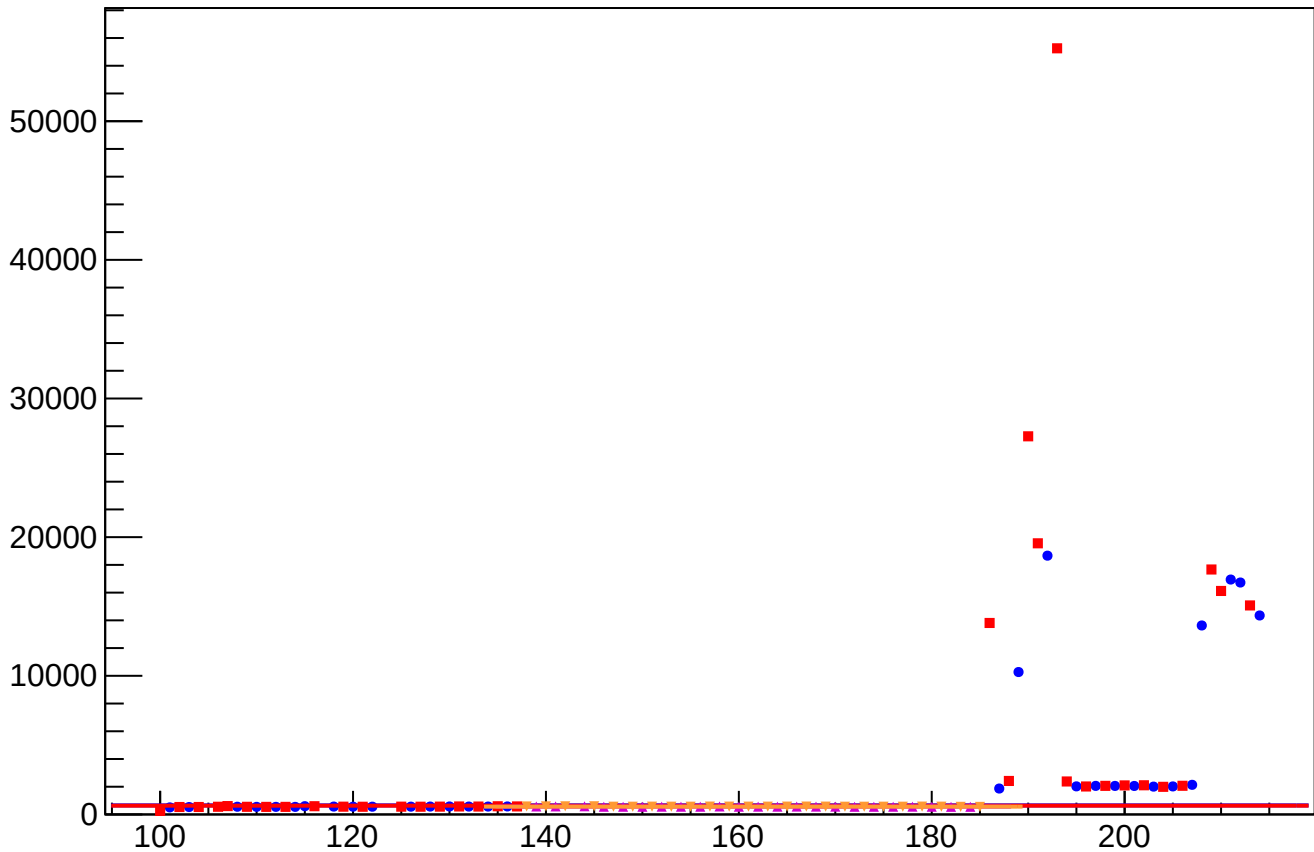
Left In: -958.517 $\pm$ 134.824 χ^2 /NDF: 26.8/22

+ sign 815.345 $\pm$ 112.882 χ^2 /NDF: 45.4/53

All: -85.288 $\pm$ 79.596 χ^2 /NDF: 219.0/109

- sign -975.891 $\pm$ 112.252 χ^2 /NDF: 47.0/55

reg_asym_left_dd_rms vs Slug



Right In: 655.557+/-0.148 χ^2/NDF : 10934639.6/29

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

Right Out: 633.533+/-0.143 χ^2/NDF : 10386218.2/32

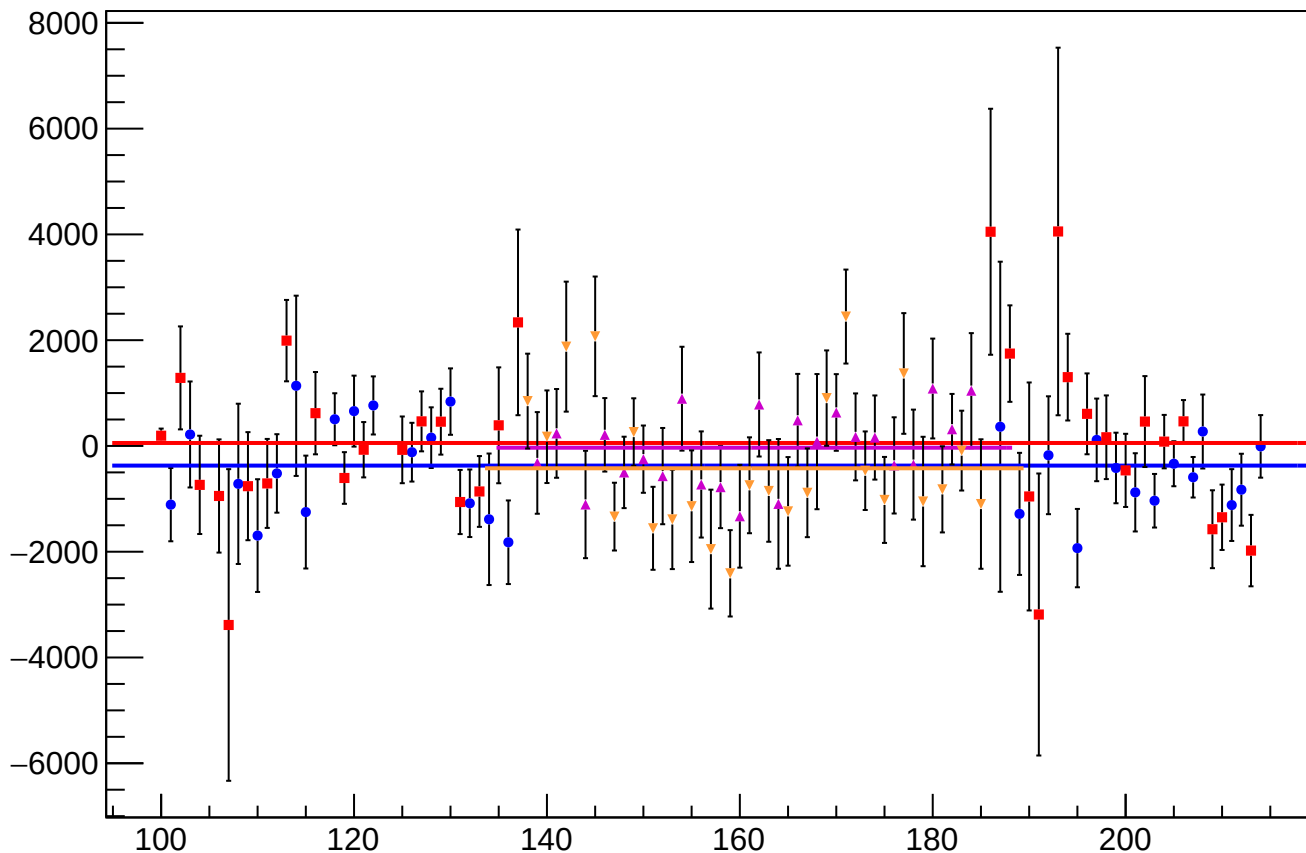
Left In: 563.934+/-0.095 χ^2/NDF :9204.6/22

+ sign 590.297+/-0.080 χ^2/NDF : 11216878.4/53

All: 587.779+/-0.056 χ^2/NDF : 21777805.4/10

- sign 585.288+/-0.079 χ^2/NDF : 10558947.0/55

asym_left_dd_correction_mean vs Slug



Right In: -371.542 ± 123.767 χ^2/NDF : 35.4/29

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

Right Out: 56.183 ± 94.165 χ^2/NDF : 57.1/32

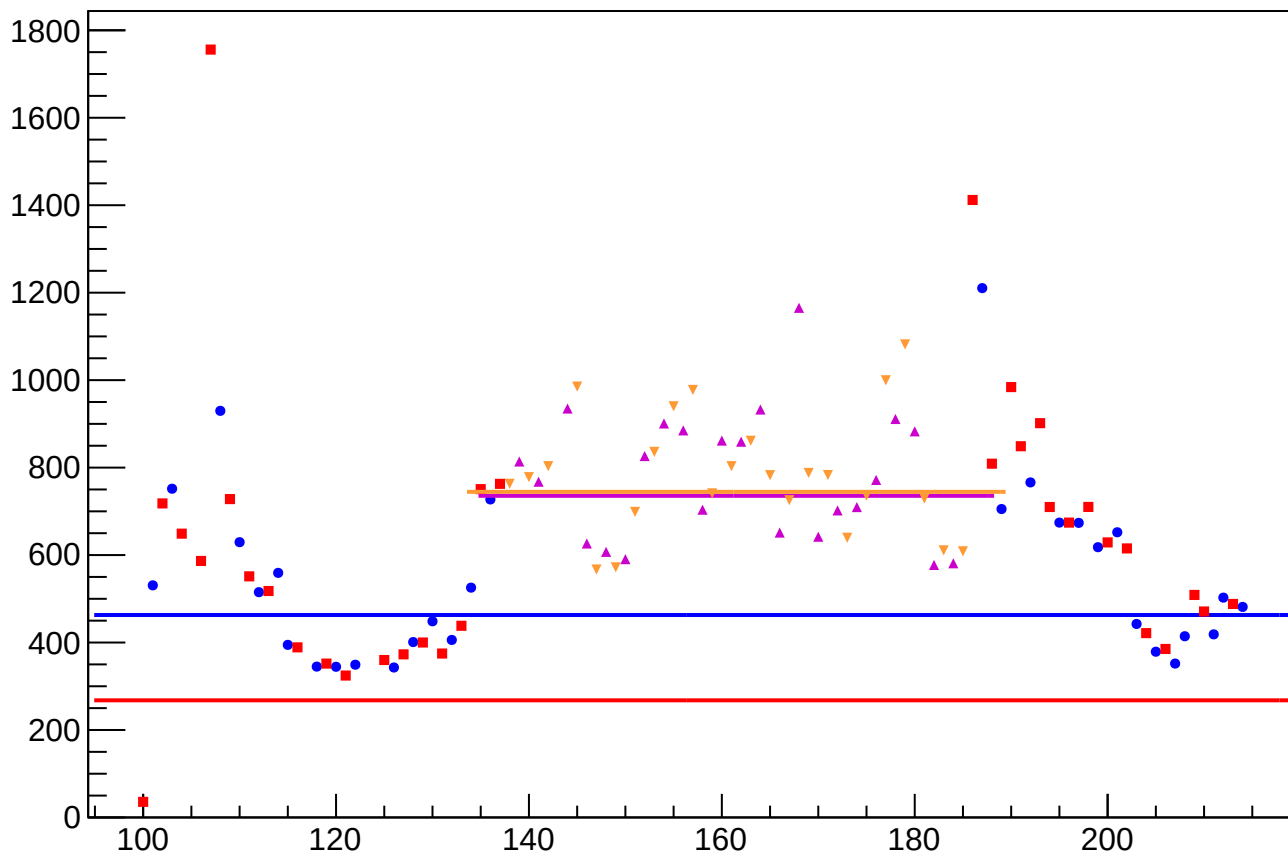
Left In: -33.325 ± 179.355 χ^2/NDF : 12.1/22

+ sign -387.778 ± 102.081 χ^2/NDF : 78.7/53

All: -133.065 ± 64.573 χ^2/NDF : 158.5/109

- sign 36.842 ± 83.373 χ^2/NDF : 69.4/55

asym_left_dd_correction_rms vs Slug



Right In: 462.954+/-0.088 χ^2/NDF : 2247718.0/29

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

Right Out: 267.832+/-0.067 χ^2/NDF : 14497605.3/32

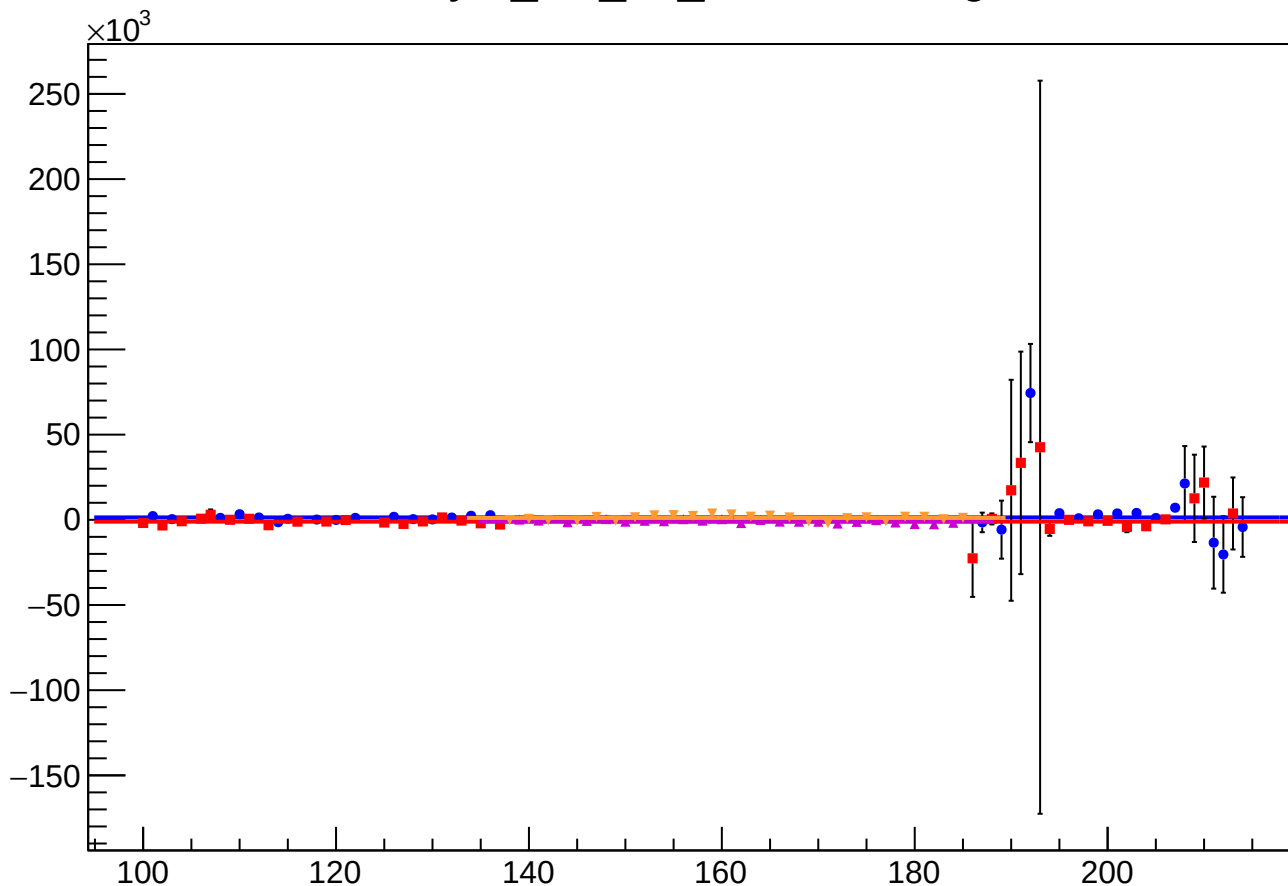
Left In: 735.543+/-0.127 χ^2/NDF : 1105222.3/22

+ sign 553.004+/-0.072 χ^2/NDF : 6568652.7/53

All: 442.565+/-0.046 χ^2/NDF : 36735604.5/10

- sign 368.897+/-0.059 χ^2/NDF : 26264527.8/55

asym_left_dd_mean vs Slug



Right In: 1406.109+/-280.459 χ^2/NDF : 31.1/29

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

Right Out: -1069.537+/-269.454 χ^2/NDF : 29.5/32

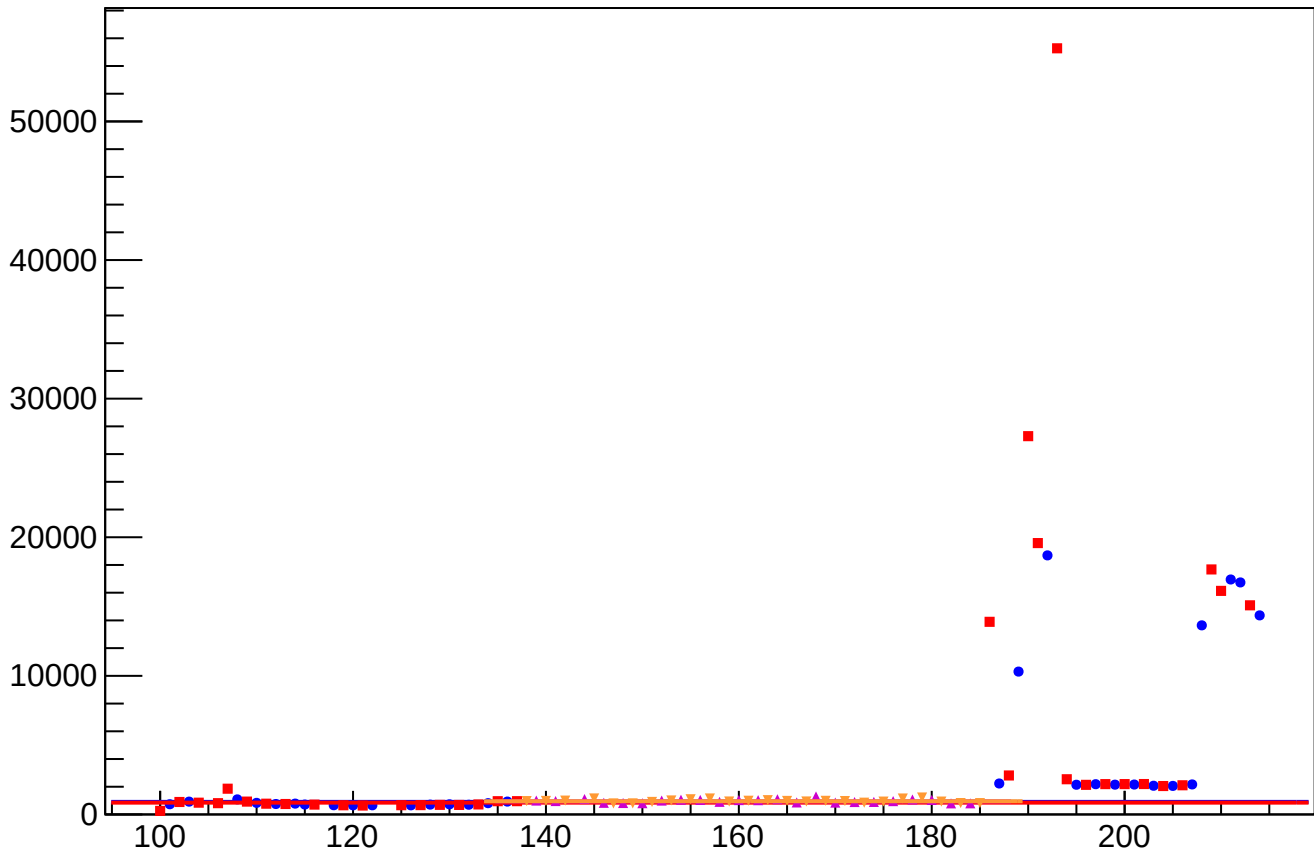
Left In: -926.281+/-228.196 χ^2/NDF : 15.1/22

+ sign 1225.345+/-177.241 χ^2/NDF : 70.0/53

All: 100.096+/-124.217 χ^2/NDF : 194.0/109

- sign -986.113+/-174.139 χ^2/NDF : 44.8/55

asym_left_dd_rms vs Slug



Right In: 906.286+/-0.198 χ^2/NDF : 9579839.1/29

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

Right Out: 852.774+/-0.191 χ^2/NDF : 9950654.1/32

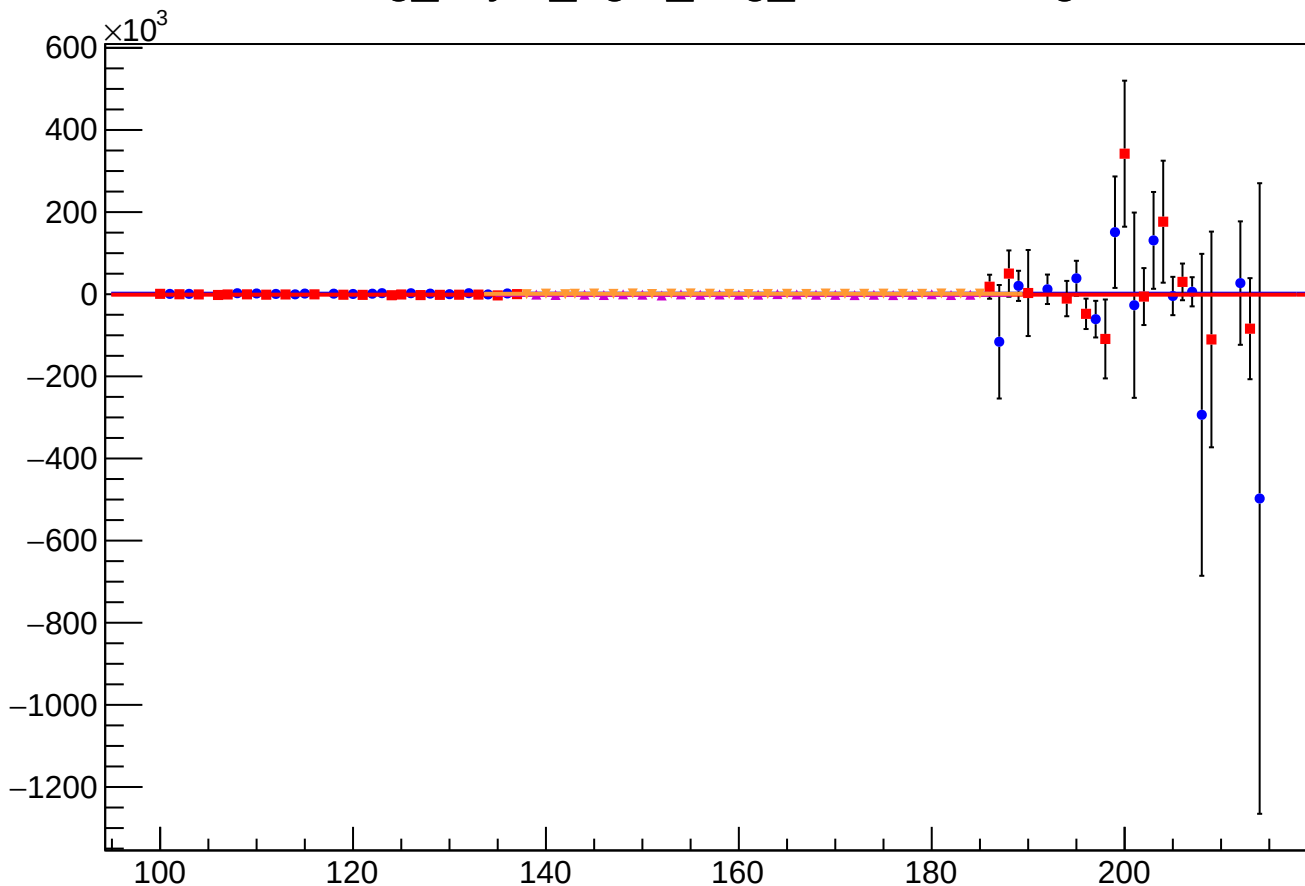
Left In: 946.041+/-0.161 χ^2/NDF : 501442.7/22

+ sign 934.812+/-0.125 χ^2/NDF : 10074499.2/53

All: 920.705+/-0.088 χ^2/NDF : 20691033.7/10

- sign 907.087+/-0.123 χ^2/NDF : 10591633.1/55

reg_asym_right_avg_mean vs Slug



Right In: 1325.116 $\pm$ 218.579 χ^2 /NDF: 20.1/29

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

Right Out: -1039.846 $\pm$ 212.061 χ^2 /NDF: 23.9/30

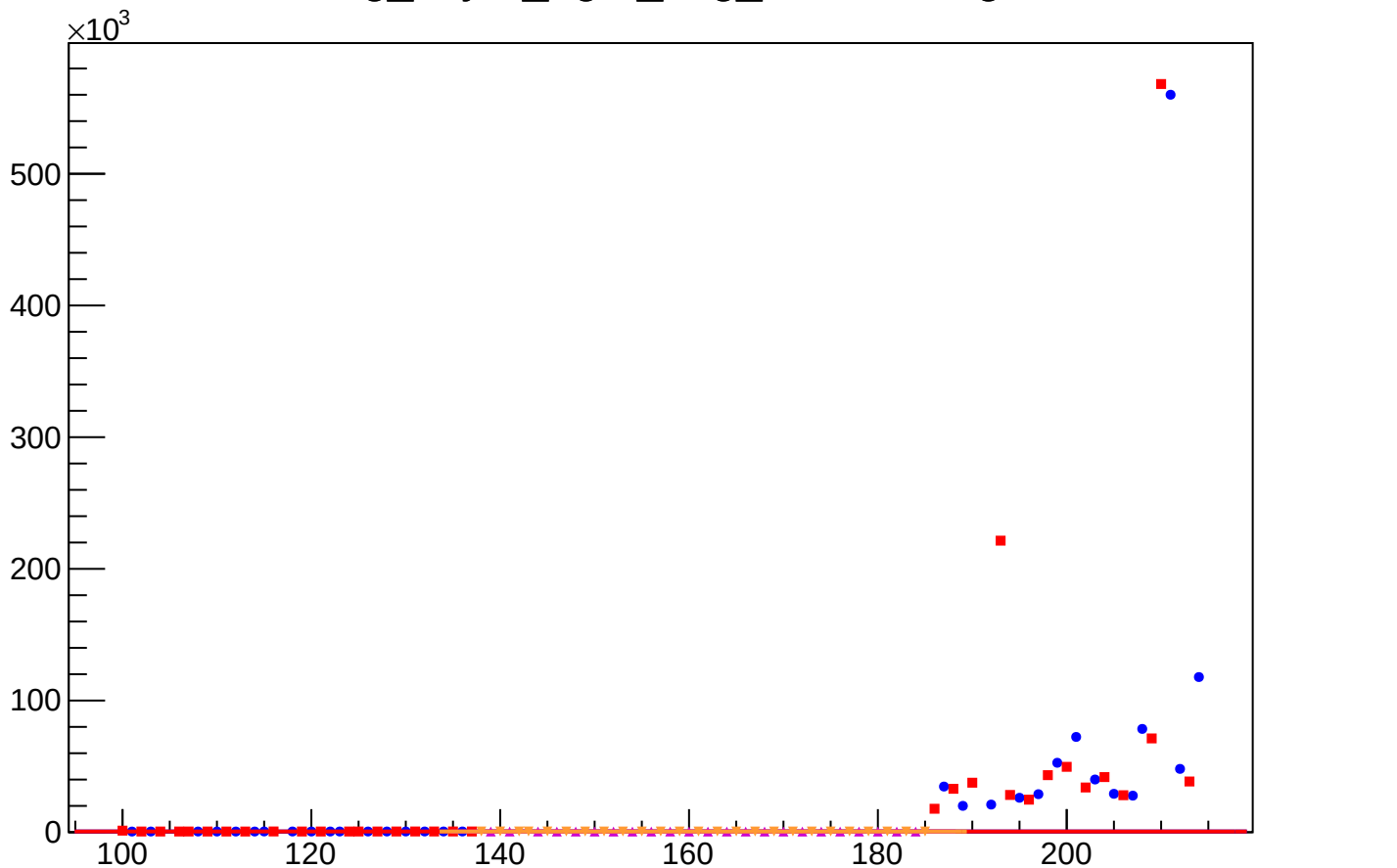
Left In: -1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

+ sign 1139.108 $\pm$ 111.535 χ^2 /NDF: 36.2/54

All: 31.861 $\pm$ 79.301 χ^2 /NDF: 289.6/108

- sign -1100.098 $\pm$ 112.773 χ^2 /NDF: 54.1/53

reg_asym_right_avg_rms vs Slug



Right In: 568.644 $\pm$ 0.155 χ^2 /NDF: 6129392.2/30

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

Right Out: 569.865 $\pm$ 0.150 χ^2 /NDF: 5927423.9/32

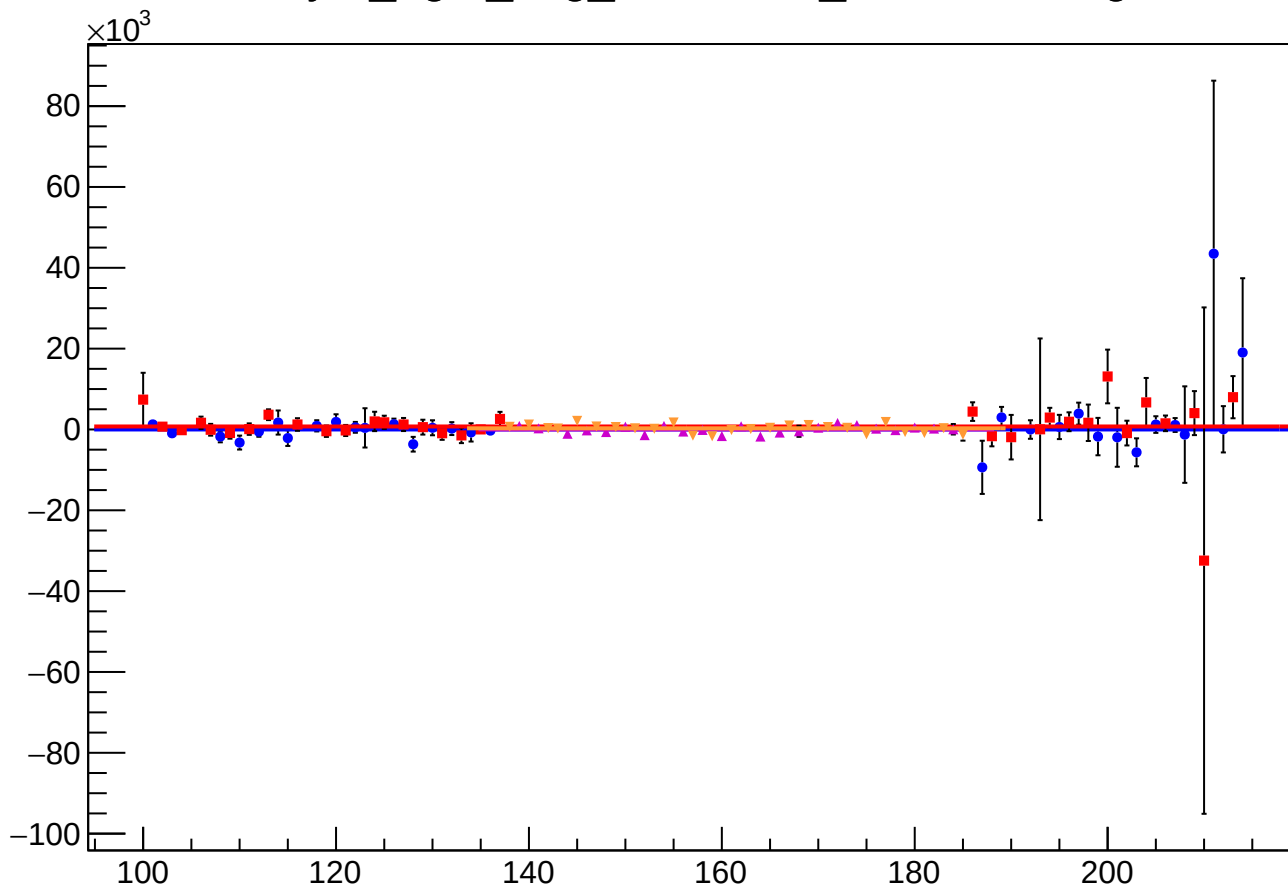
Left In: 556.969 $\pm$ 0.094 χ^2 /NDF: 11209.7/22

+ sign 560.427 $\pm$ 0.079 χ^2 /NDF: 6147966.8/55

All: 560.520 $\pm$ 0.056 χ^2 /NDF: 12091907.9/11

- sign 560.616 $\pm$ 0.080 χ^2 /NDF: 5943938.3/55

asym_right_avg_correction_mean vs Slug



Right In: -0.742 ± 306.390 χ^2/NDF : 28.4/30

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

Right Out: 739.150 ± 311.558 χ^2/NDF : 27.2/32

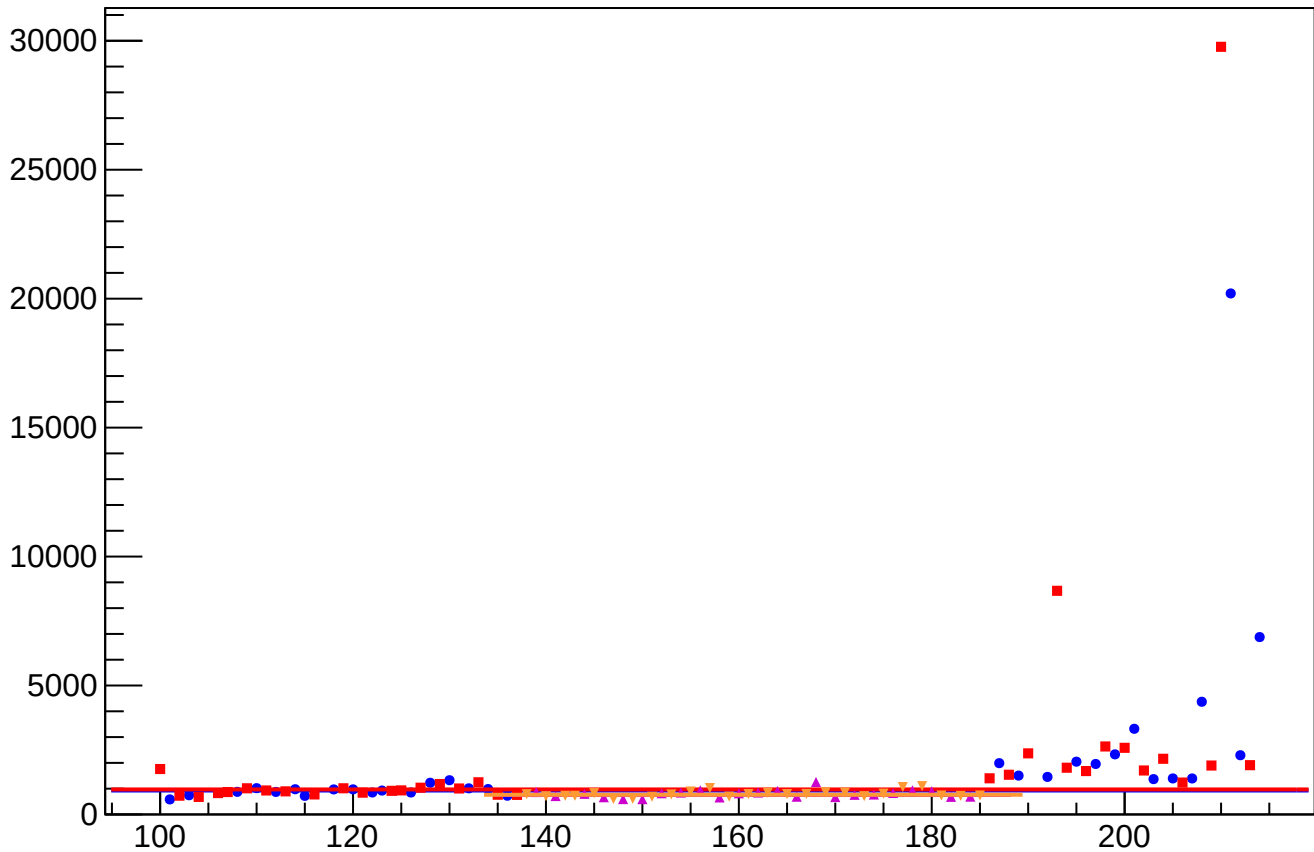
Left In: 8.211 ± 183.382 χ^2/NDF : 20.2/22

+ sign 209.107 ± 155.470 χ^2/NDF : 55.7/55

All: 202.800 ± 110.831 χ^2/NDF : 107.2/111

- sign 196.284 ± 158.038 χ^2/NDF : 51.4/55

asym_right_avg_correction_rms vs Slug



Right In: 928.723+/-0.217 χ^2/NDF : 3226079.2/30

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

Right Out: 969.716+/-0.220 χ^2/NDF : 2753958.6/32

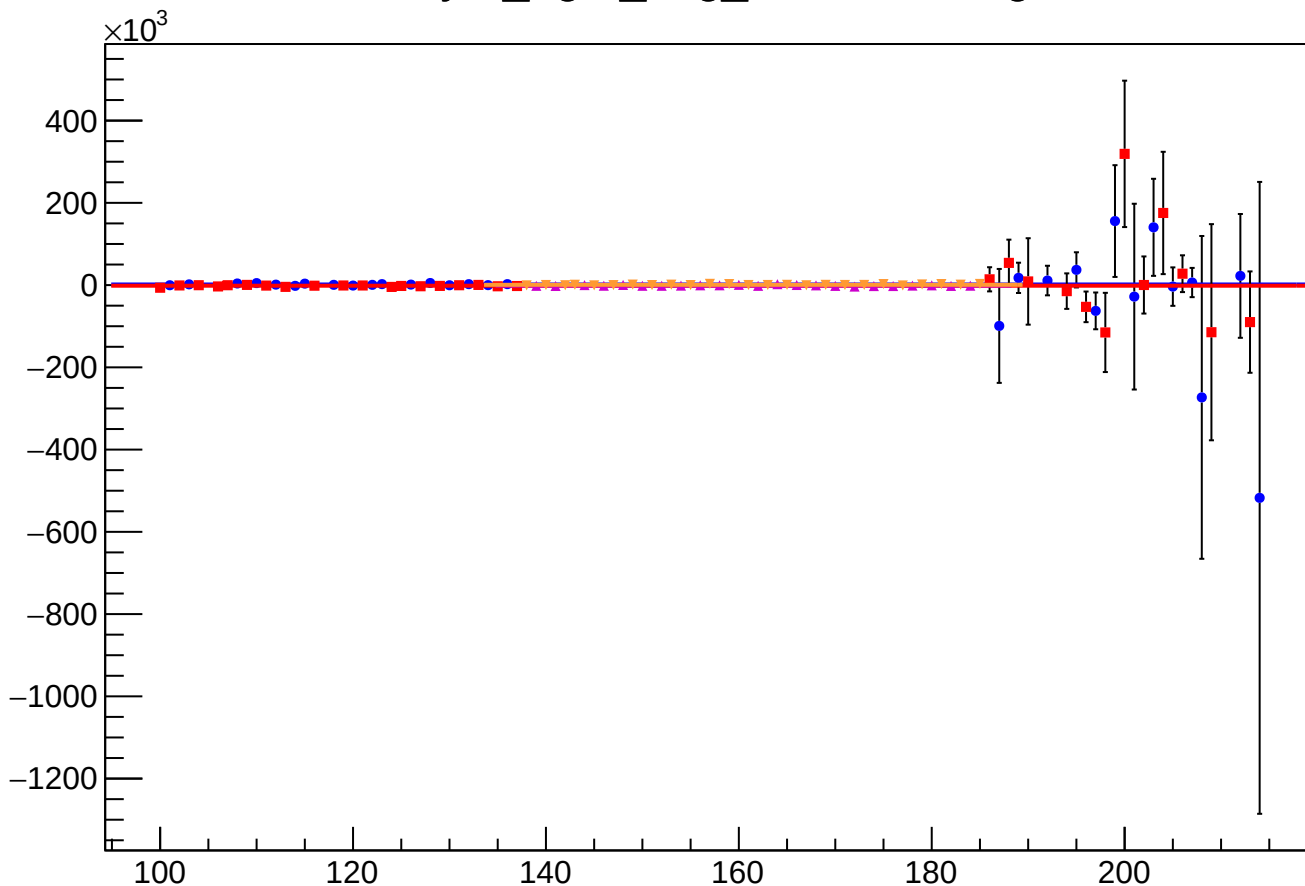
Left In: 754.099+/-0.130 χ^2/NDF : 931829.3/22

+ sign 805.734+/-0.110 χ^2/NDF : 4413801.3/55

All: 807.624+/-0.078 χ^2/NDF : 8811625.6/111

- sign 809.578+/-0.112 χ^2/NDF : 4397222.8/55

asym_right_avg_mean vs Slug



Right In: 1501.013 $\pm$ 402.535 χ^2 /NDF: 24.3/29

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

Right Out: -1486.854 $\pm$ 400.596 χ^2 /NDF: 22.5/30

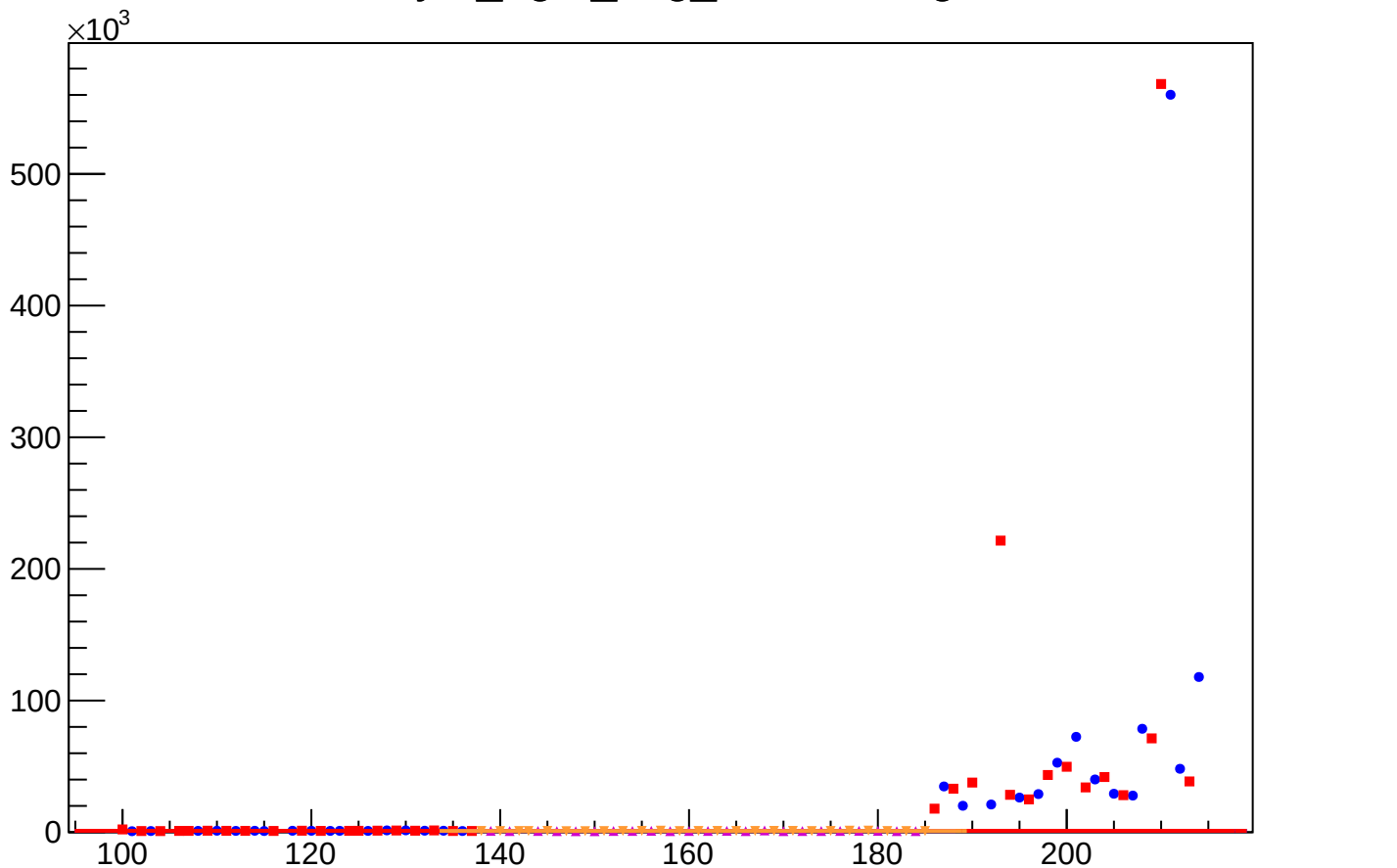
Left In: -1124.587 $\pm$ 230.065 χ^2 /NDF: 25.4/22

+ sign 921.548 $\pm$ 196.756 χ^2 /NDF: 48.6/54

All: -131.633 $\pm$ 140.089 χ^2 /NDF: 155.1/108

- sign -1214.438 $\pm$ 199.505 χ^2 /NDF: 48.4/53

asym_right_avg_rms vs Slug



Right In: 1039.041 $\pm$ 0.285 χ^2 /NDF: 6260431.0/30

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

Right Out: 1073.748 $\pm$ 0.283 χ^2 /NDF: 5918578.3/32

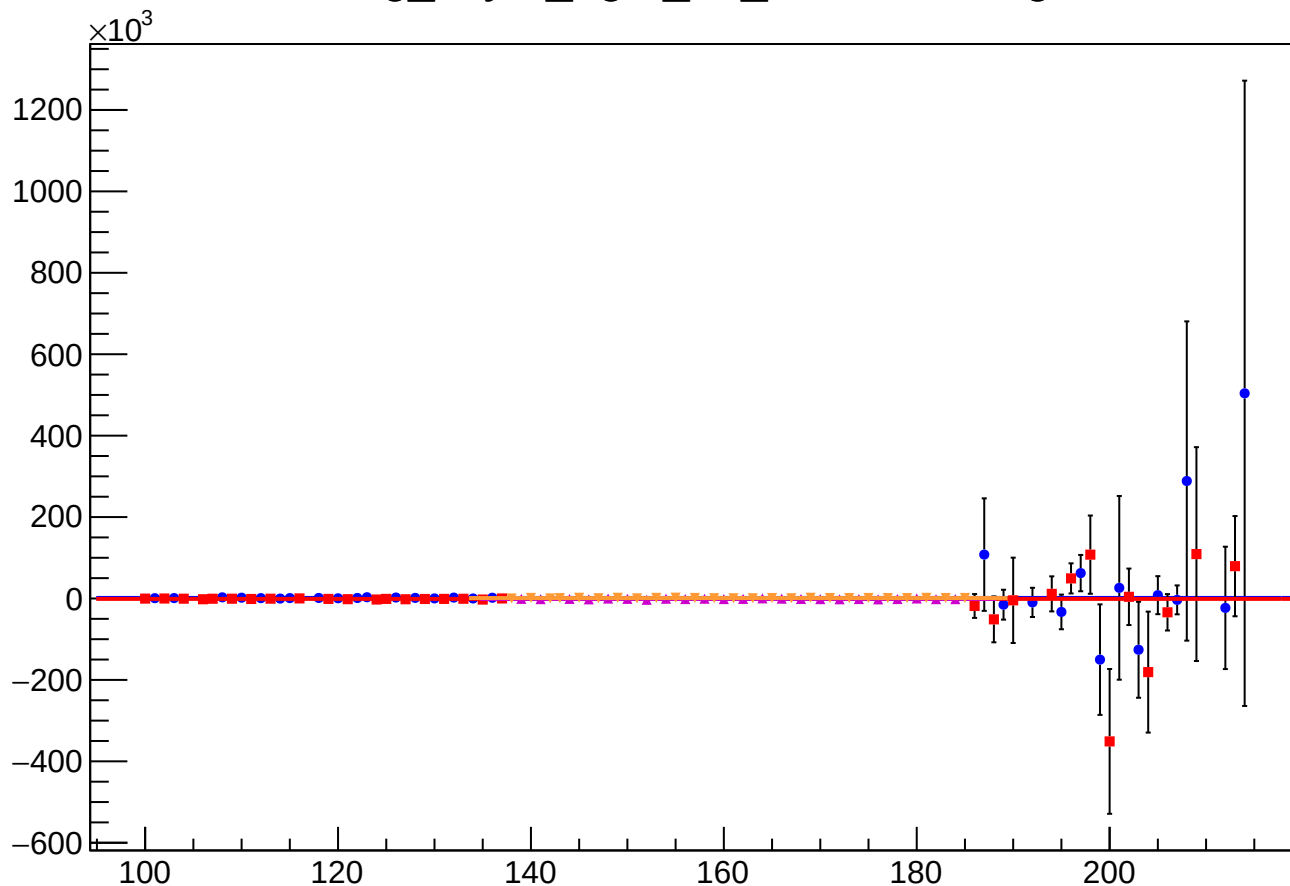
Left In: 954.643 $\pm$ 0.163 χ^2 /NDF: 443395.0/22

+ sign 980.601 $\pm$ 0.139 χ^2 /NDF: 6678755.9/55

All: 982.368 $\pm$ 0.099 χ^2 /NDF: 13174004.8/11

- sign 984.184 $\pm$ 0.141 χ^2 /NDF: 6494921.8/55

reg_asym_right_dd_mean vs Slug



Right In: 1344.477 $\pm$ 218.833 χ^2 /NDF: 18.9/29

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

Right Out: -965.830 $\pm$ 208.597 χ^2 /NDF: 23.1/30

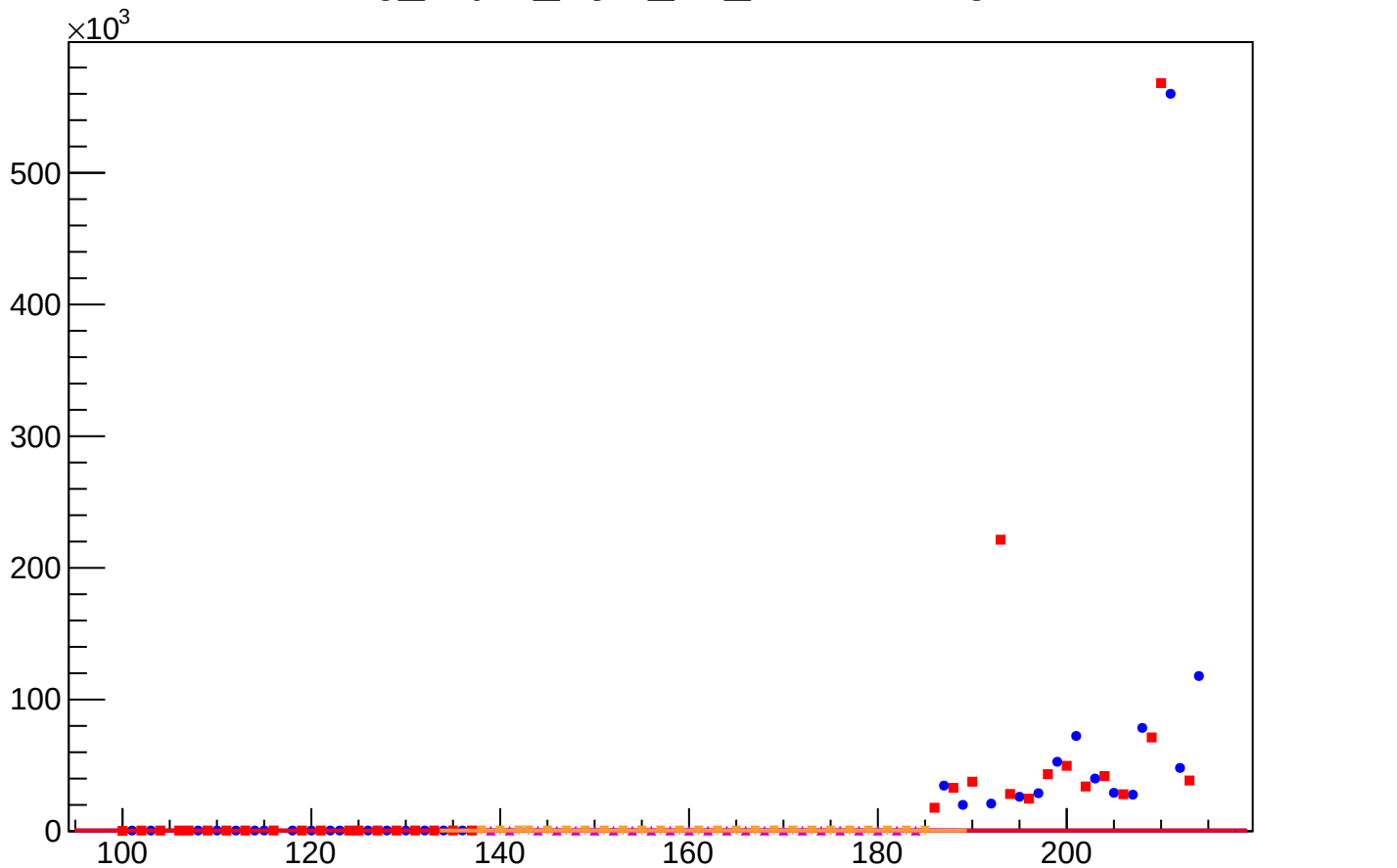
Left In: -1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

+ sign 1154.490 $\pm$ 111.652 χ^2 /NDF: 34.8/54

All: 21.850 $\pm$ 79.189 χ^2 /NDF: 297.9/108

- sign -1124.623 $\pm$ 112.332 χ^2 /NDF: 56.0/53

reg_asym_right_dd_rms vs Slug



Right In: 569.308 $\pm$ 0.155 χ^2 /NDF: 6129585.7/30

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

Right Out: 558.854 $\pm$ 0.147 χ^2 /NDF: 6015251.6/32

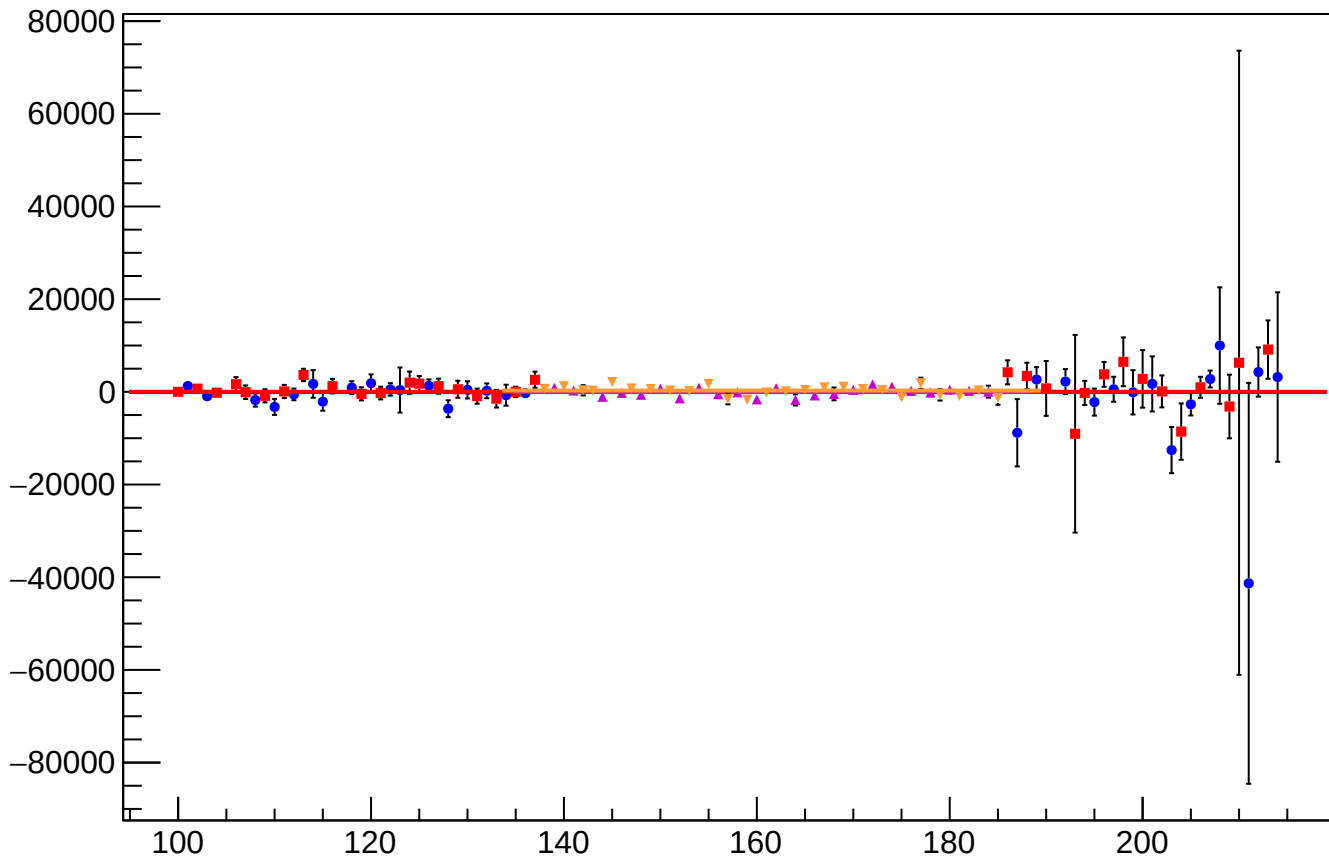
Left In: 557.597 $\pm$ 0.094 χ^2 /NDF: 11276.8/22

+ sign 561.017 $\pm$ 0.079 χ^2 /NDF: 6148252.2/55

All: 559.498 $\pm$ 0.056 χ^2 /NDF: 12175576.7/11

- sign 557.961 $\pm$ 0.079 χ^2 /NDF: 6026580.0/55

asym_right_dd_correction_mean vs Slug



Right In: -47.824 ± 309.225 χ^2/NDF : 33.1/30

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

Right Out: 23.054 ± 38.925 χ^2/NDF : 28.3/32

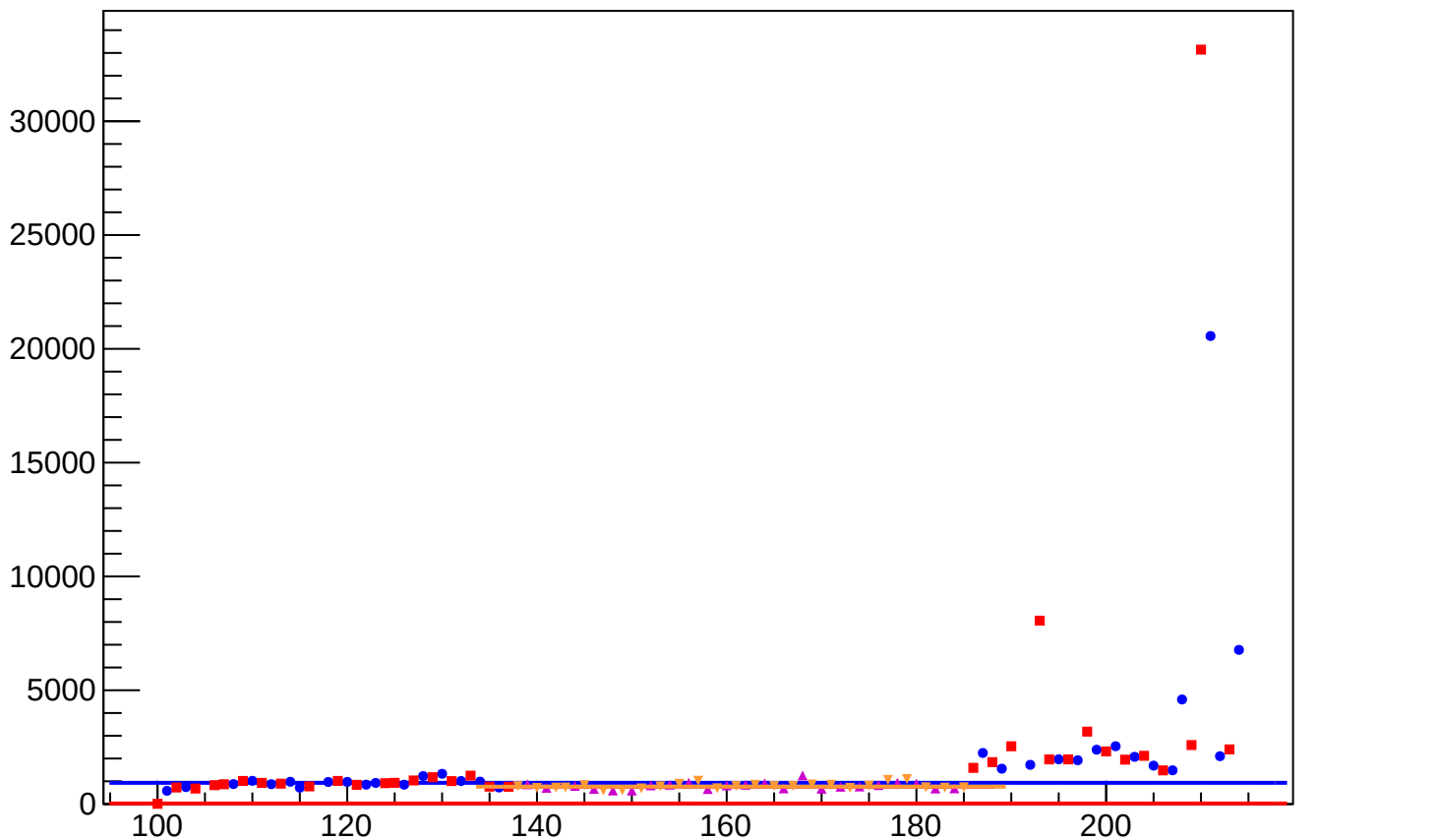
Left In: 7.306 ± 183.473 χ^2/NDF : 20.1/22

+ sign 197.749 ± 155.872 χ^2/NDF : 60.8/55

All: 32.252 ± 36.990 χ^2/NDF : 110.4/111

- sign 22.376 ± 38.078 χ^2/NDF : 48.4/55

asym_right_dd_correction_rms vs Slug



Right In: 933.204 $\pm$ 0.219 χ^2 /NDF: 3409665.9/30

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

Right Out: 24.653 $\pm$ 0.028 χ^2 /NDF: 21598743.9/32

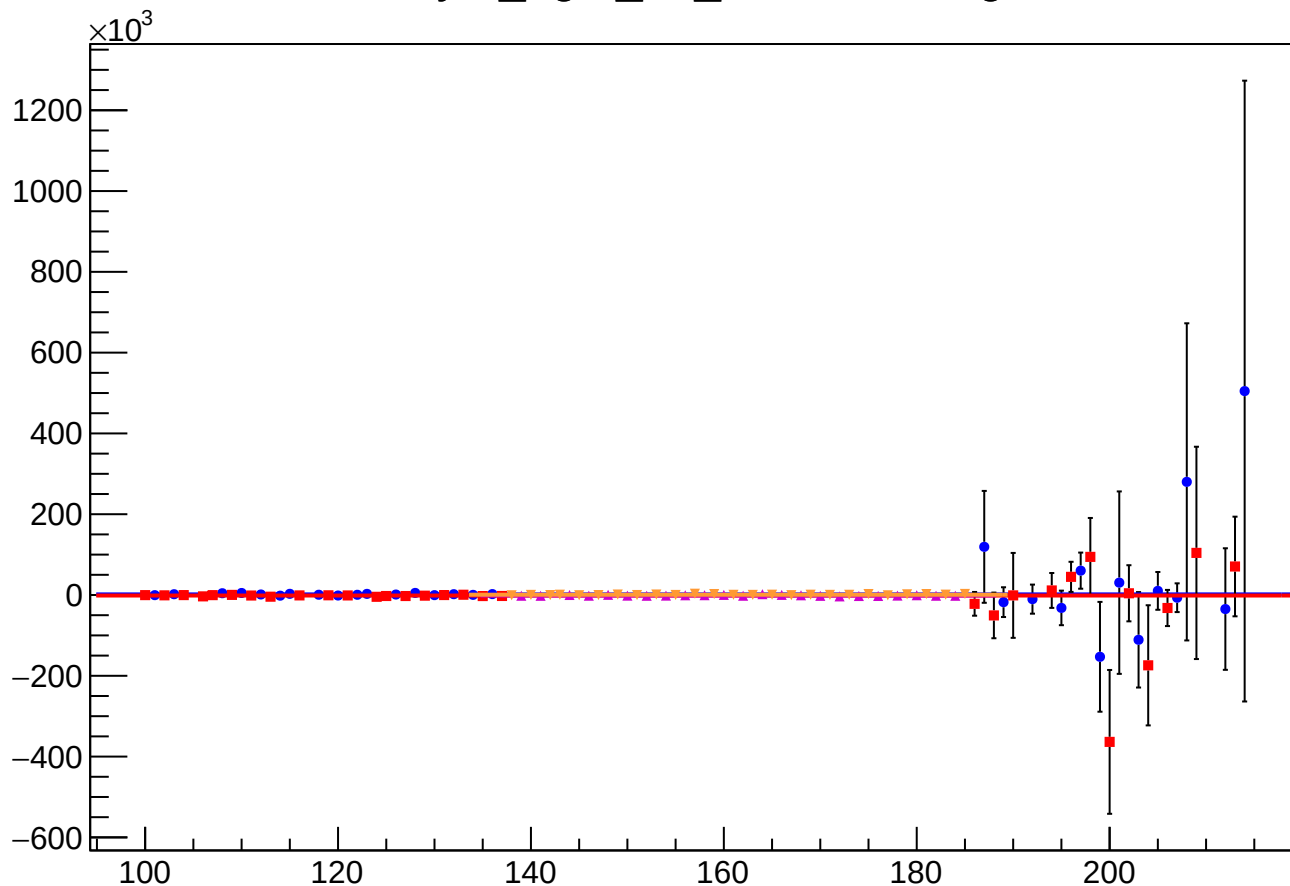
Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

+ sign 806.476 $\pm$ 0.110 χ^2 /NDF: 4613738.8/55

All: 98.348 $\pm$ 0.026 χ^2 /NDF: 101168959.1/11

- sign 56.089 $\pm$ 0.027 χ^2 /NDF: 52813847.2/55

asym_right_dd_mean vs Slug



Right In: 1515.705 $\pm$ 402.758 χ^2 /NDF: 24.5/29

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

Right Out: -1289.809 $\pm$ 376.578 χ^2 /NDF: 22.7/30

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

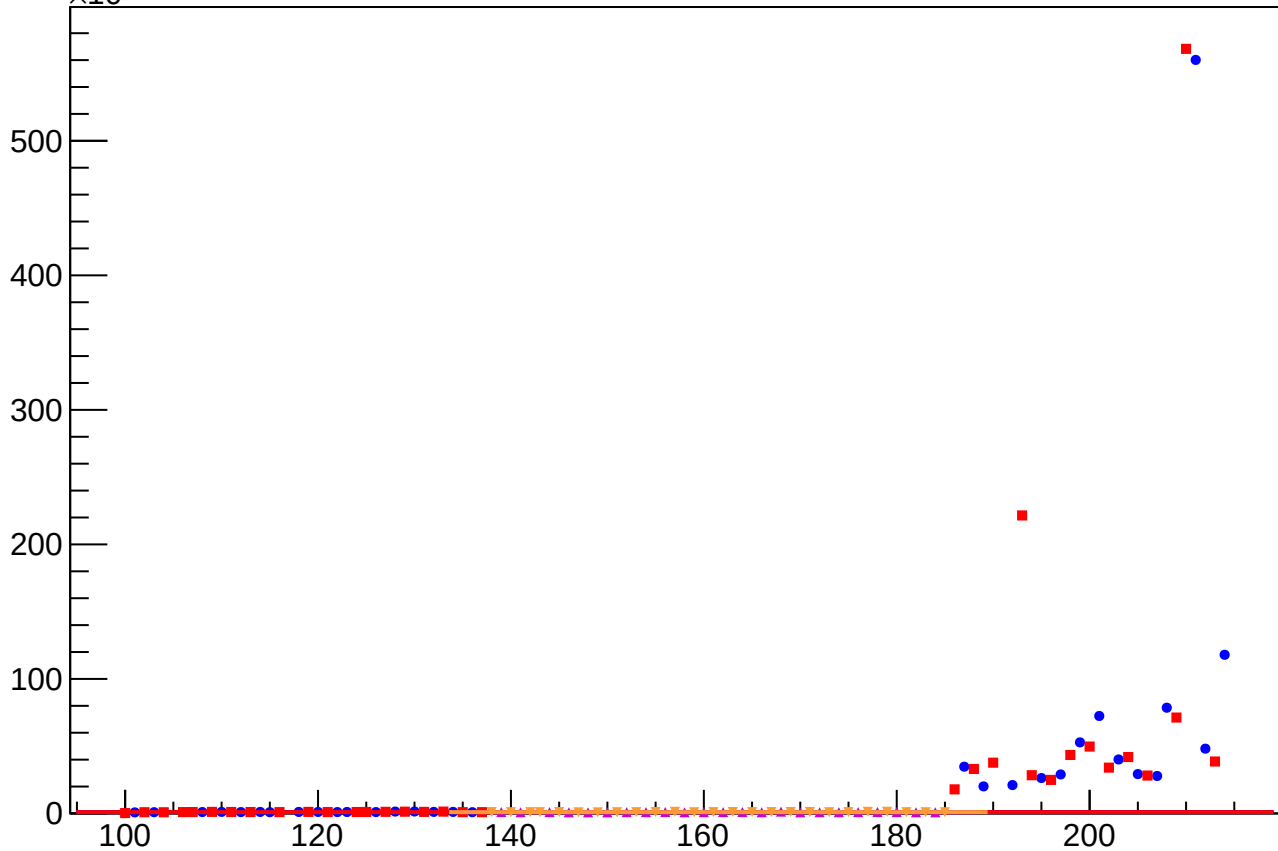
+ sign 927.478 $\pm$ 196.864 χ^2 /NDF: 47.6/54

All: -142.220 $\pm$ 139.049 χ^2 /NDF: 153.5/108

- sign -1207.175 $\pm$ 196.427 χ^2 /NDF: 47.0/53

asym_right_dd_rms vs Slug

$\times 10^3$



Right In: 1039.624 $\pm$ 0.285 χ^2 /NDF: 6261106.4/30

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

Right Out: 978.198 $\pm$ 0.266 χ^2 /NDF: 6792392.1/32

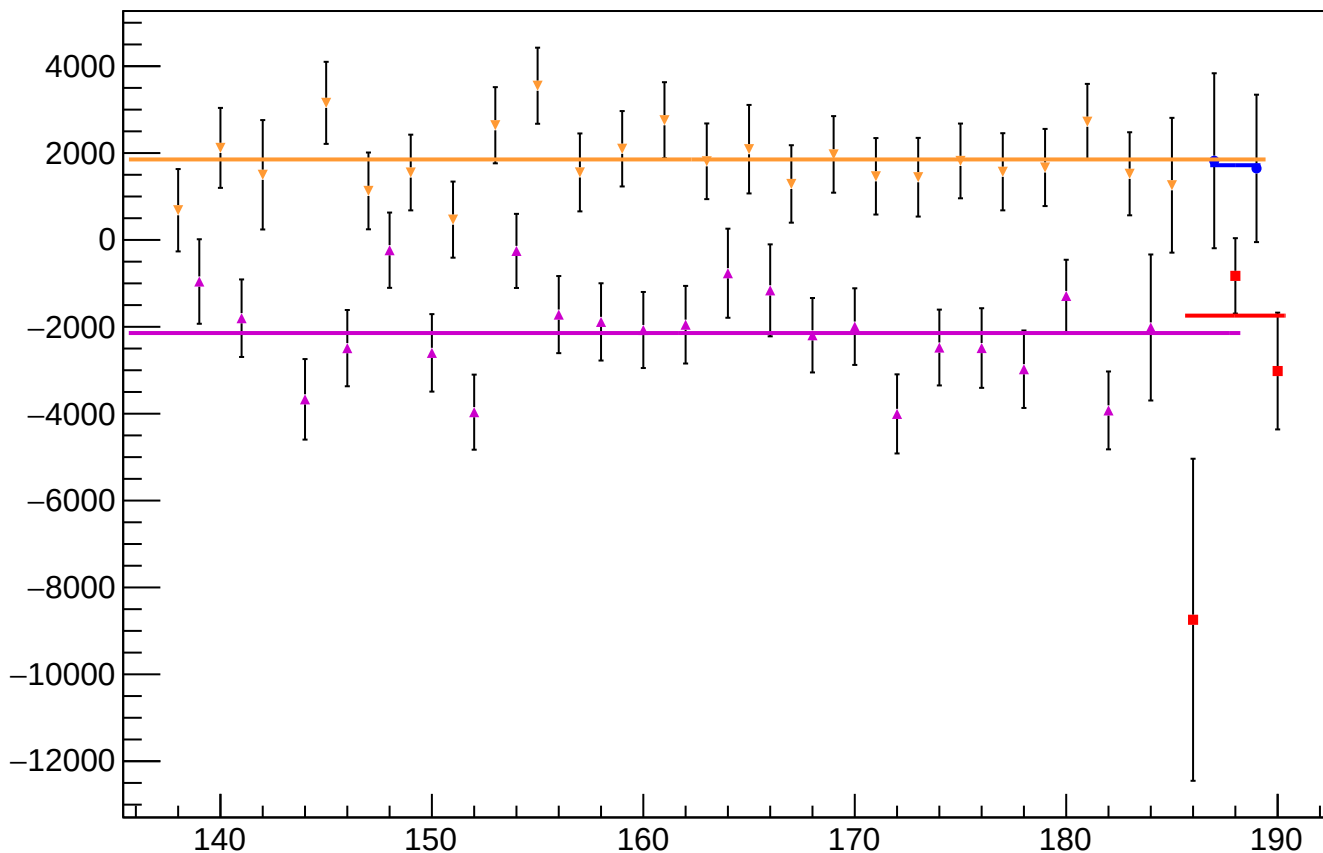
Left In: 955.331 $\pm$ 0.163 χ^2 /NDF: 443068.5/22

+ sign 981.137 $\pm$ 0.139 χ^2 /NDF: 6679360.2/55

All: 971.323 $\pm$ 0.098 χ^2 /NDF: 13930107.7/11

- sign 961.552 $\pm$ 0.139 χ^2 /NDF: 7240828.9/55

cor_asym_us_avg_mean vs Slug



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

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

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

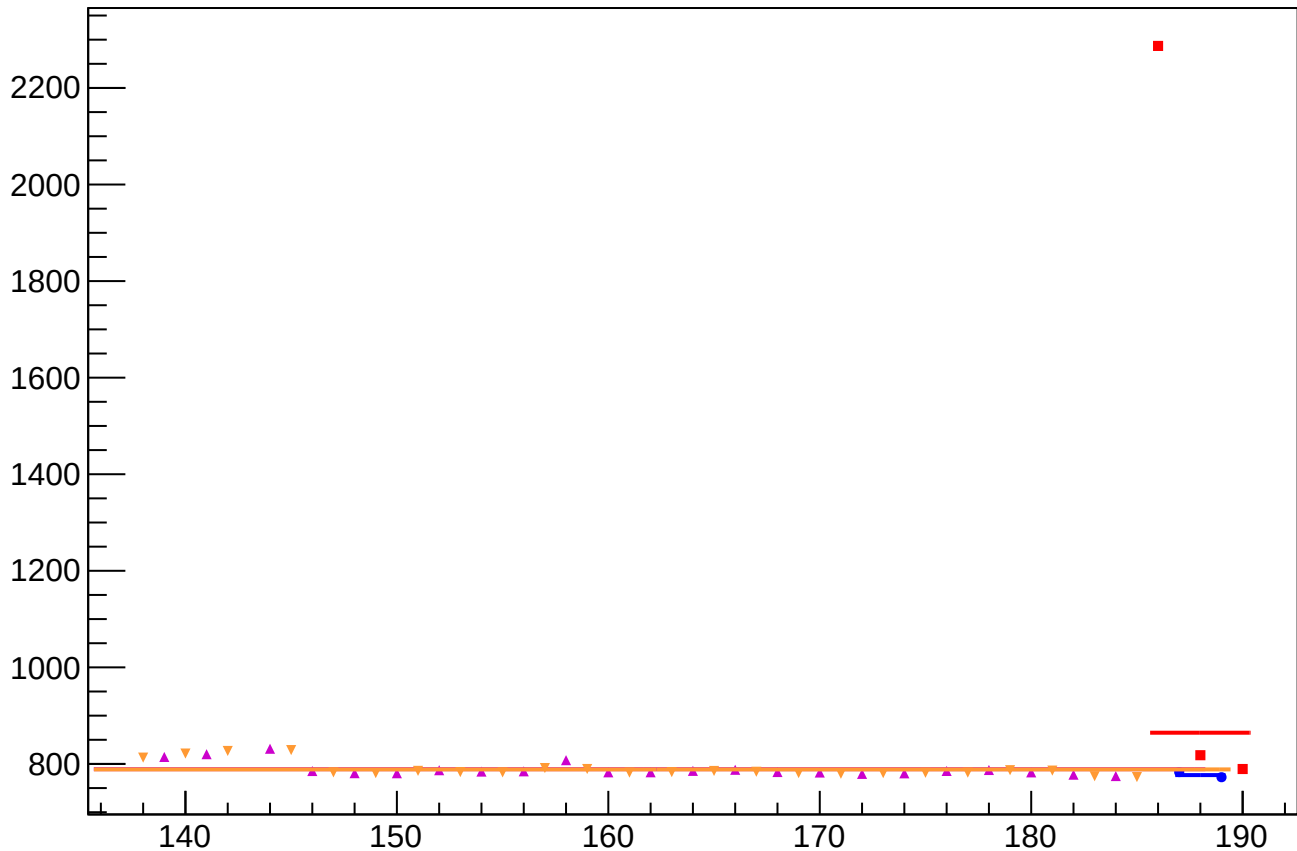
Left In: -2143.254 $\pm$ 190.144 χ^2 /NDF:32.4/22

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

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

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

cor_asym_us_avg_rms vs Slug



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

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

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

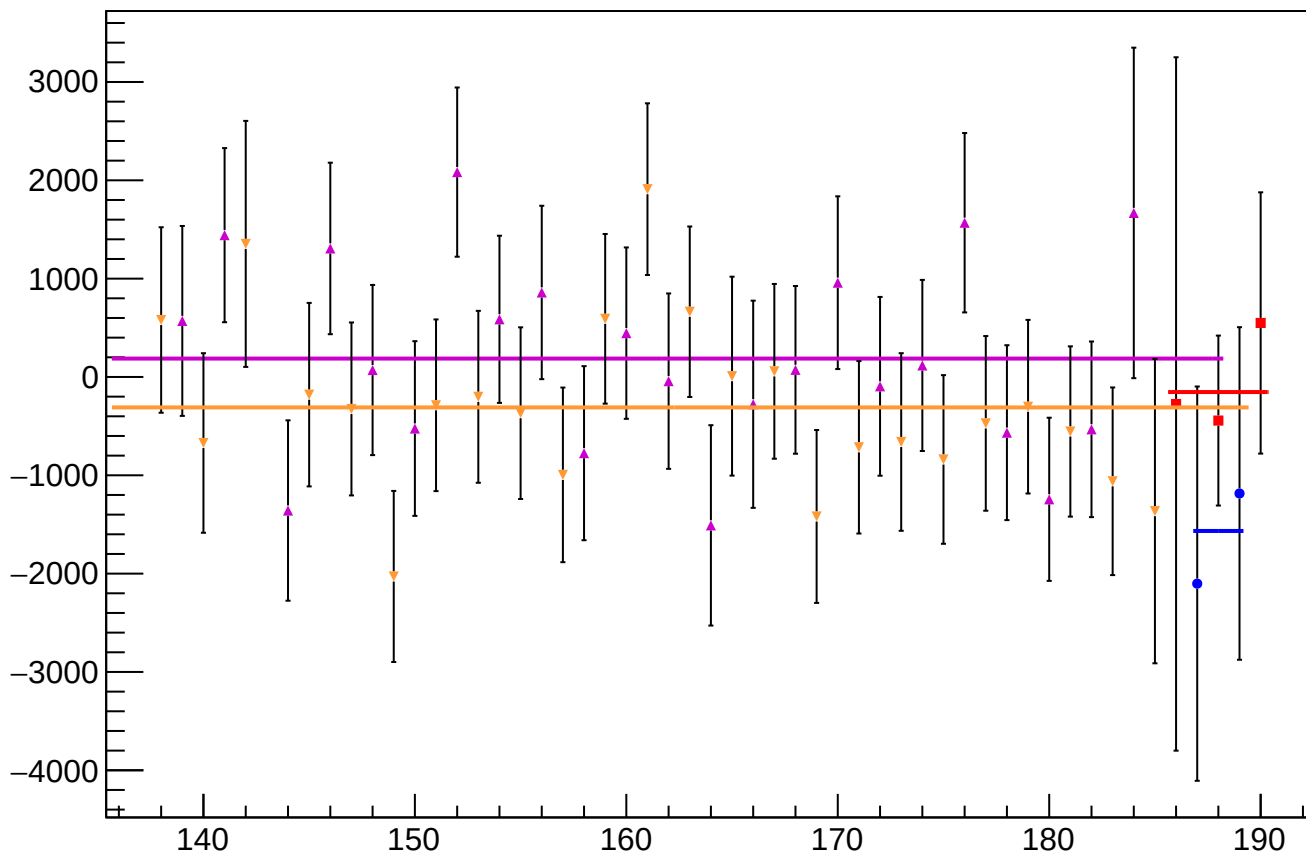
Left In: 789.176 ± 0.134 χ^2/NDF : 10860.4/22

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

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

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

cor_asym_us_dd_mean vs Slug



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

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

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

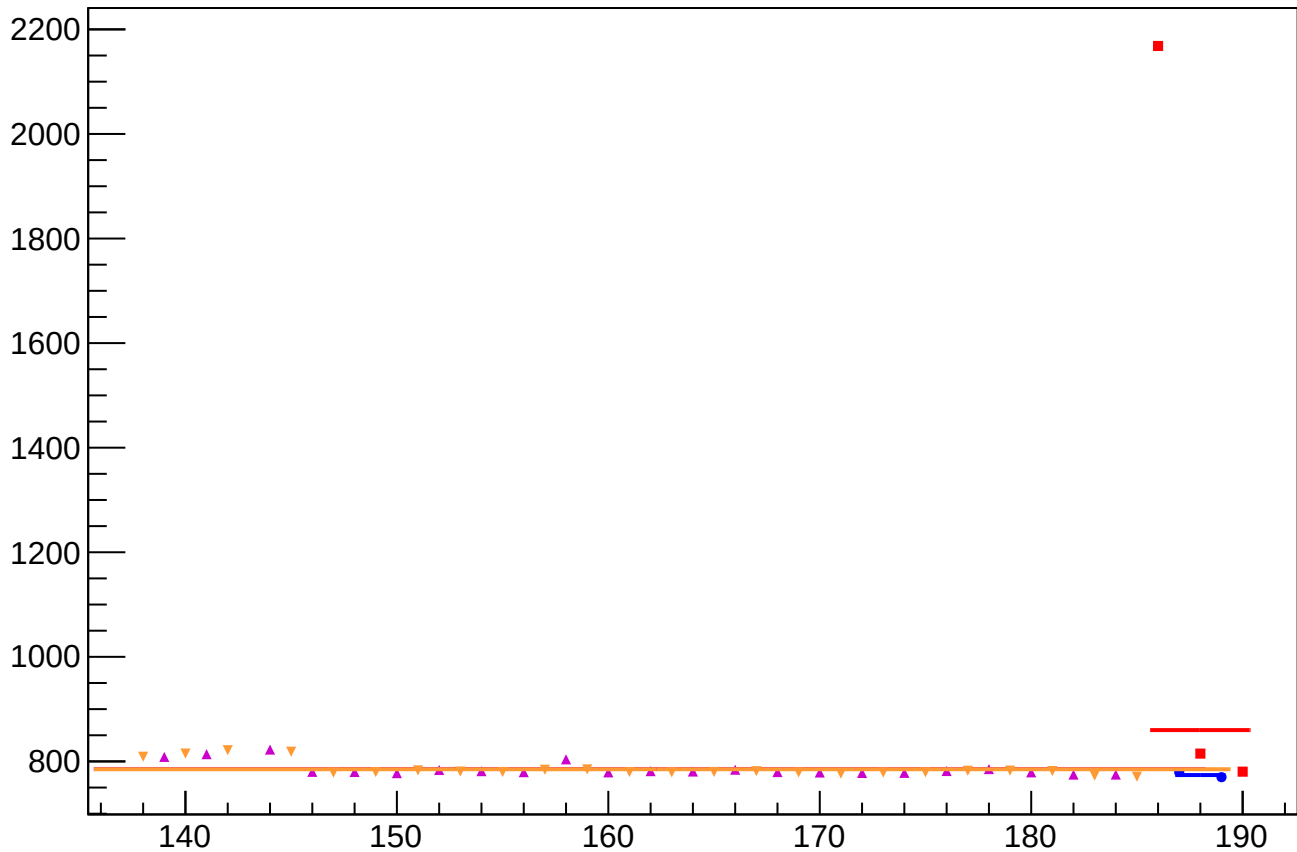
Left In: 187.105 ± 189.265 χ^2/NDF : 25.6/22

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

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

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

cor_asym_us_dd_rms vs Slug



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

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

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

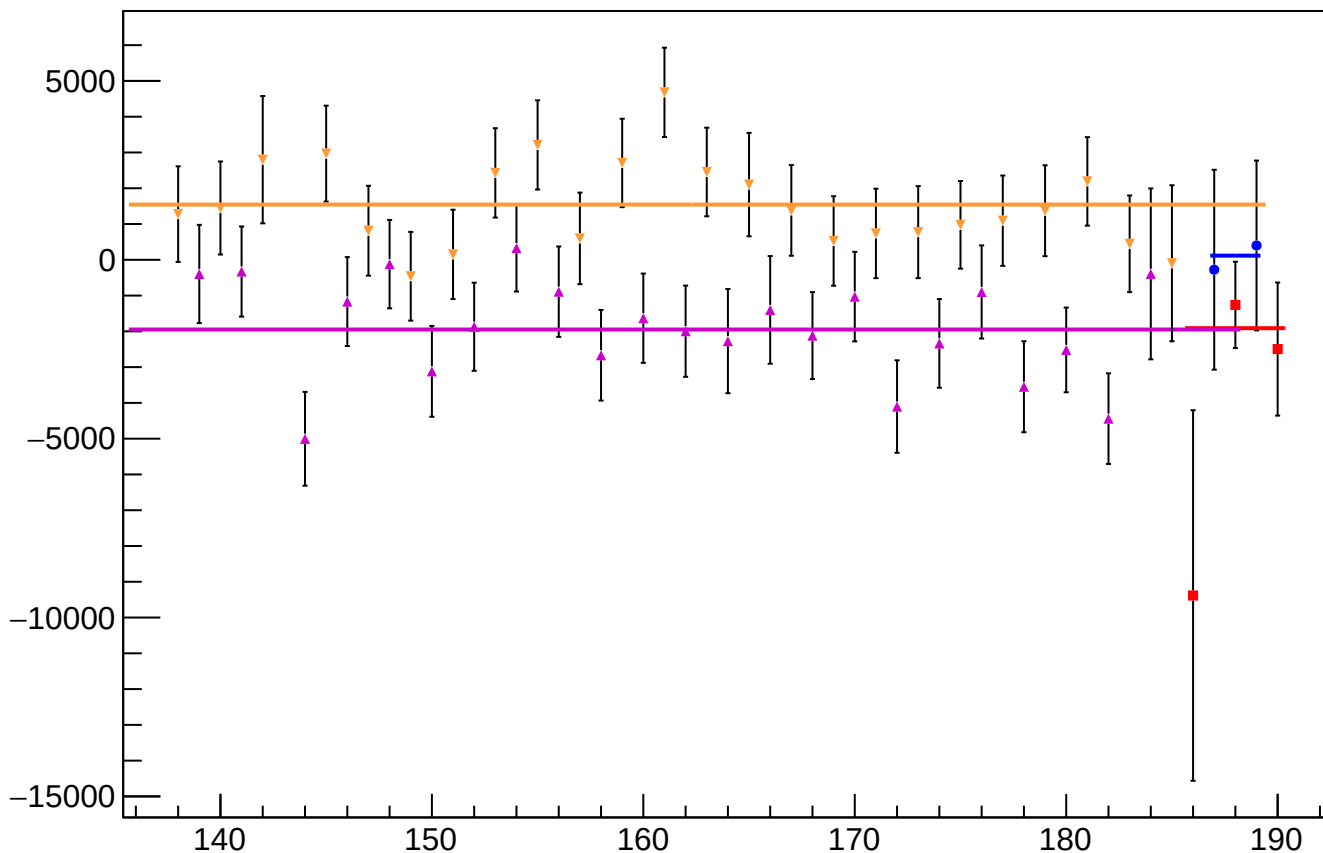
Left In: 785.562 ± 0.134 χ^2/NDF : 9033.0/22

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

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

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

cor_asym_usl_mean vs Slug



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

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

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

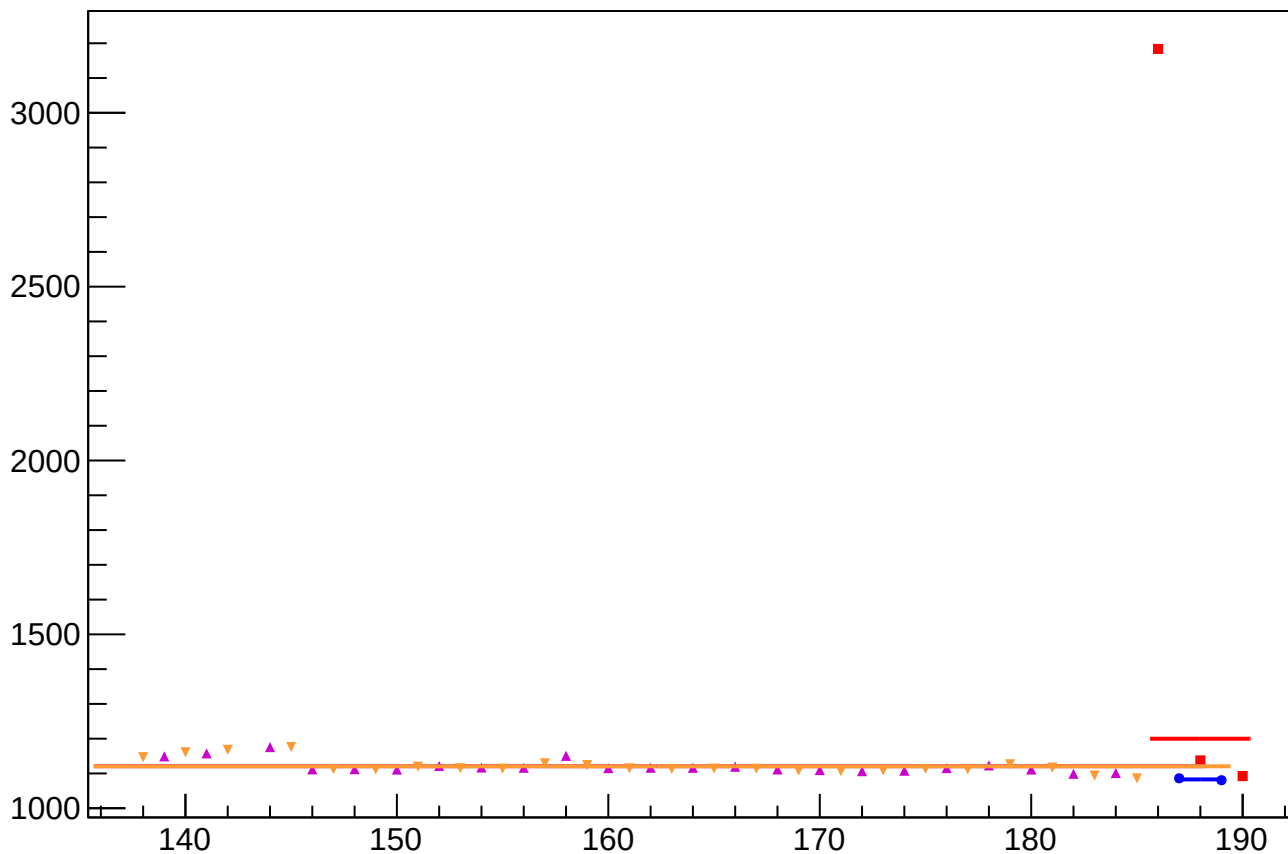
Left In: -1949.077 ± 270.080 χ^2/NDF : 26.8/22

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

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

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

cor_asym_usl_rms vs Slug



Right In: 1082.866+/-1.279 χ^2/NDF : 4.6/1

Left Out: 1120.578+/-0.188 χ^2/NDF : 10264.0/23

Right Out: 1199.844+/-0.702 χ^2/NDF : 305356.1/2

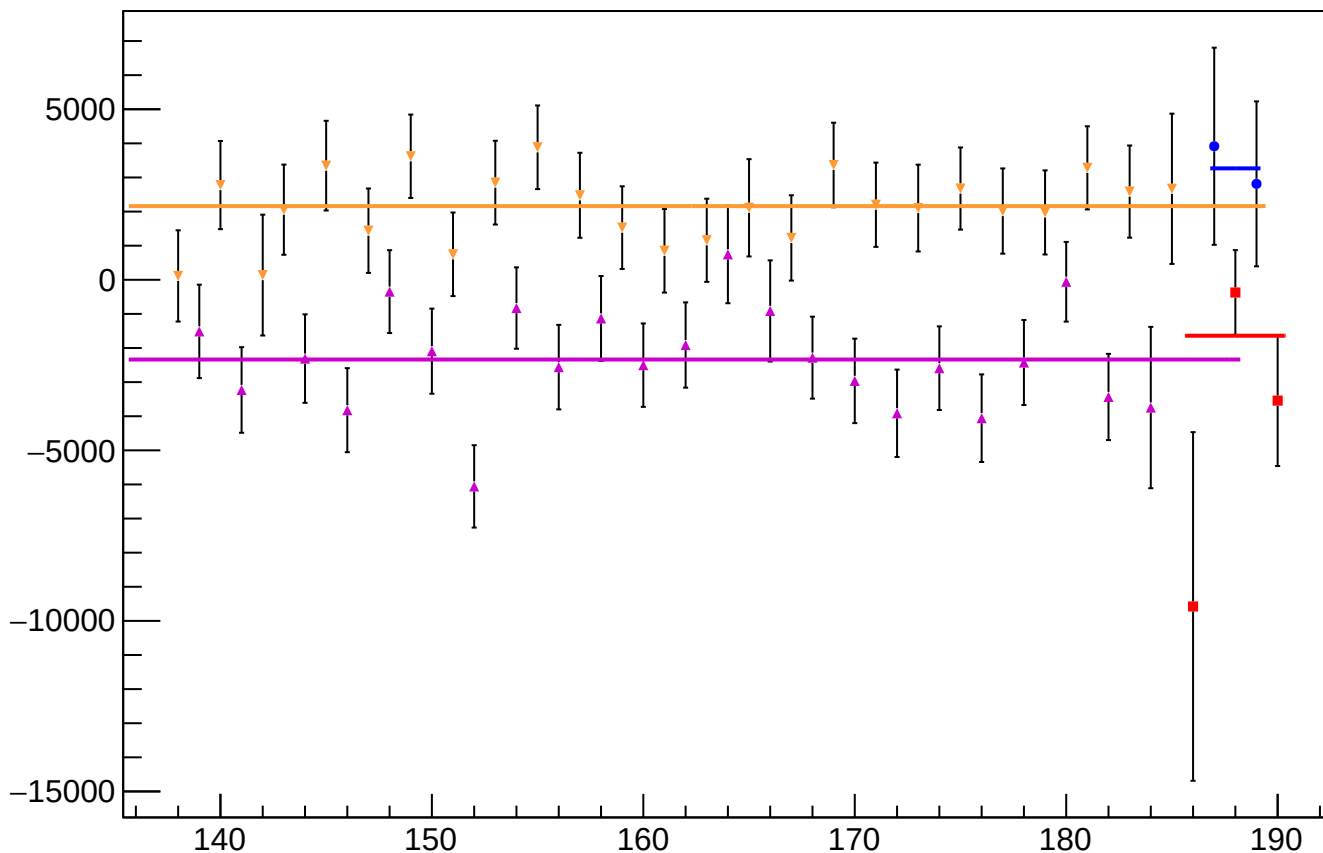
Left In: 1120.977+/-0.191 χ^2/NDF : 9259.6/22

+ sign 1119.778+/-0.186 χ^2/NDF : 11119.7/25

All: 1123.129+/-0.131 χ^2/NDF : 338117.1/51

- sign 1126.407+/-0.184 χ^2/NDF : 326357.4/25

cor_asym_usr_mean vs Slug



Right In: 3266.922+/-1854.338 χ^2/NDF : 0.1/1

Left Out: 2159.879+/-257.526 χ^2/NDF :15.0/24

Right Out: -1639.449+/-1022.123 χ^2/NDF : 4.4/2

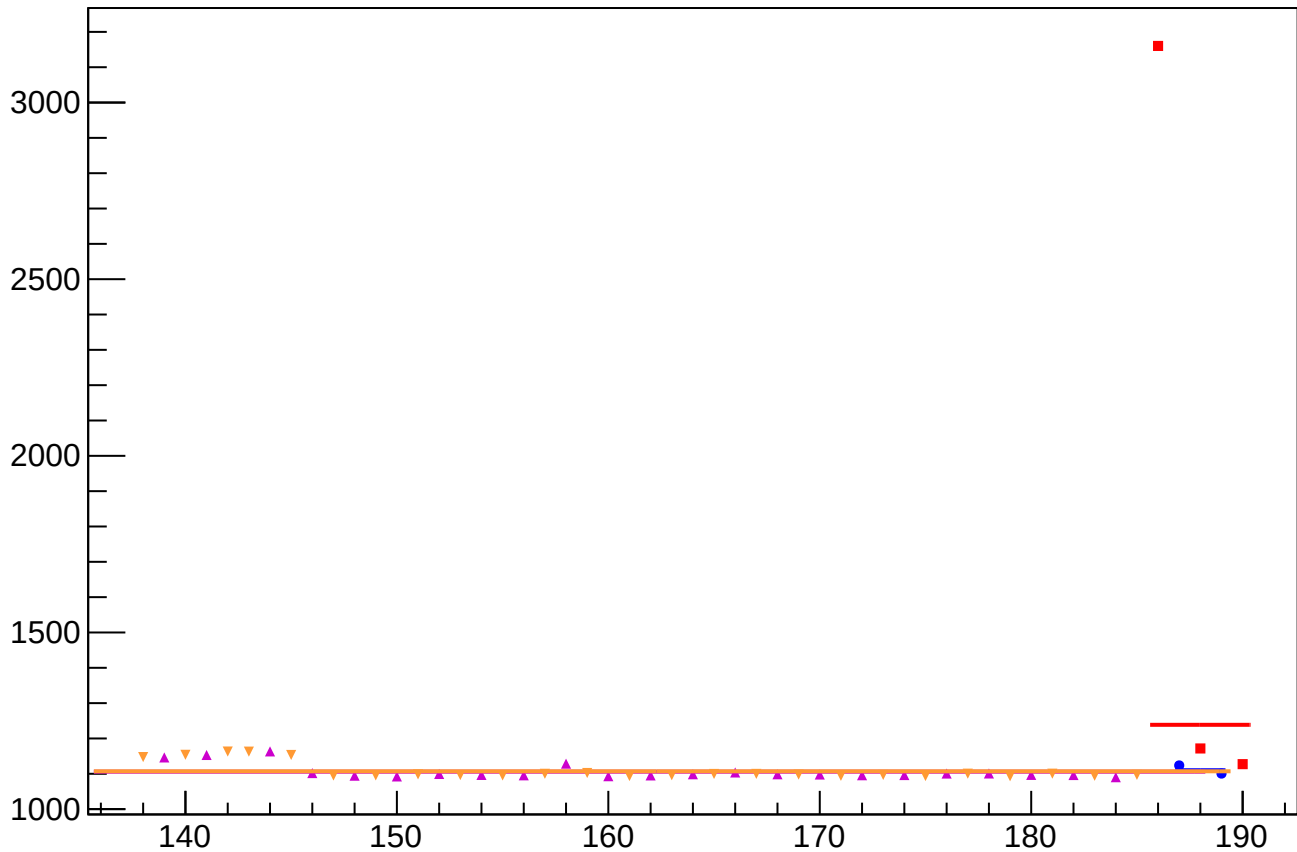
Left In: -2337.232+/-266.468 χ^2/NDF :31.3/22

+ sign 2180.827+/-255.078 χ^2/NDF : 15.4/26

All: -31.822+/-181.339 χ^2/NDF : 203.7/52

- sign -2292.825+/-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

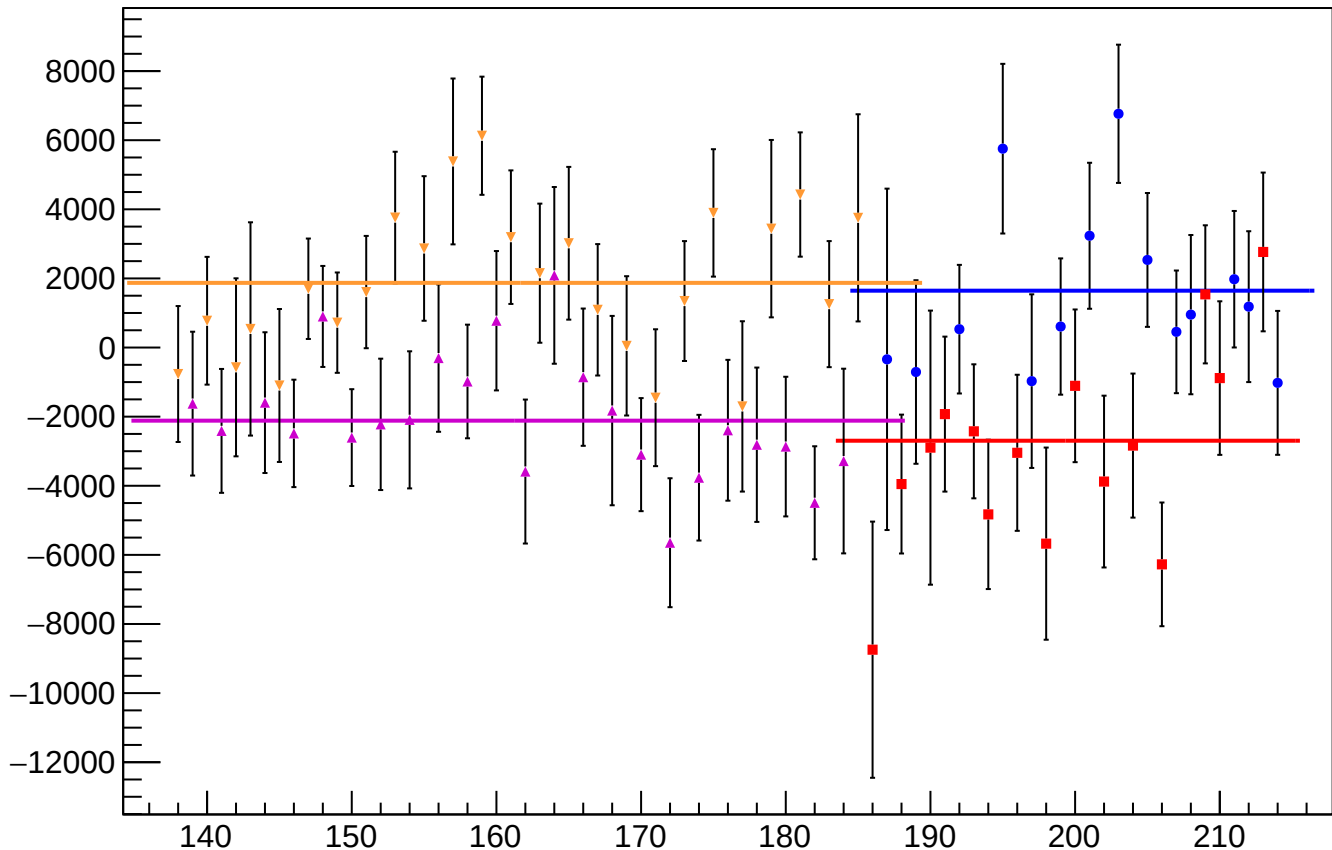
Left In: 1105.955+/-0.188 χ^2/NDF : 11111.3/22

+ 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: 1645.350+/-577.707 χ^2/NDF : 15.1/13

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

Right Out: -2696.538+/-583.220 χ^2/NDF : 20.9/14

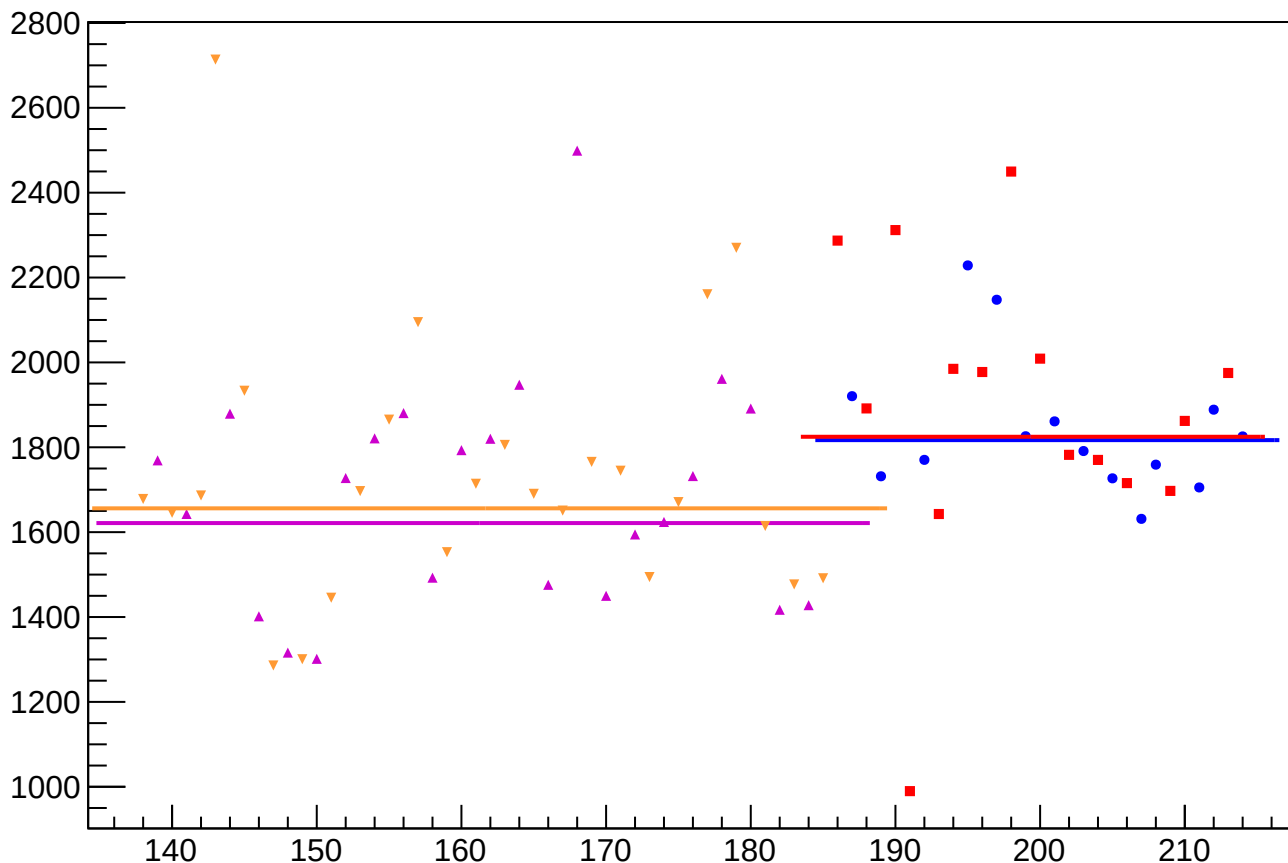
Left In: -2116.114+/-392.997 χ^2/NDF : 18.8/22

+ sign 1800.376+/-324.195 χ^2/NDF : 41.3/38

All: -237.685+/-229.844 χ^2/NDF : 161.1/76

- sign -2297.363+/-325.910 χ^2/NDF : 40.4/37

asym_us_agg_avg_rms vs Slug



Right In: 1816.864 $\pm$ 0.409 χ^2 /NDF: 132365.2/13

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

Right Out: 1824.776 $\pm$ 0.412 χ^2 /NDF: 520140.2/14

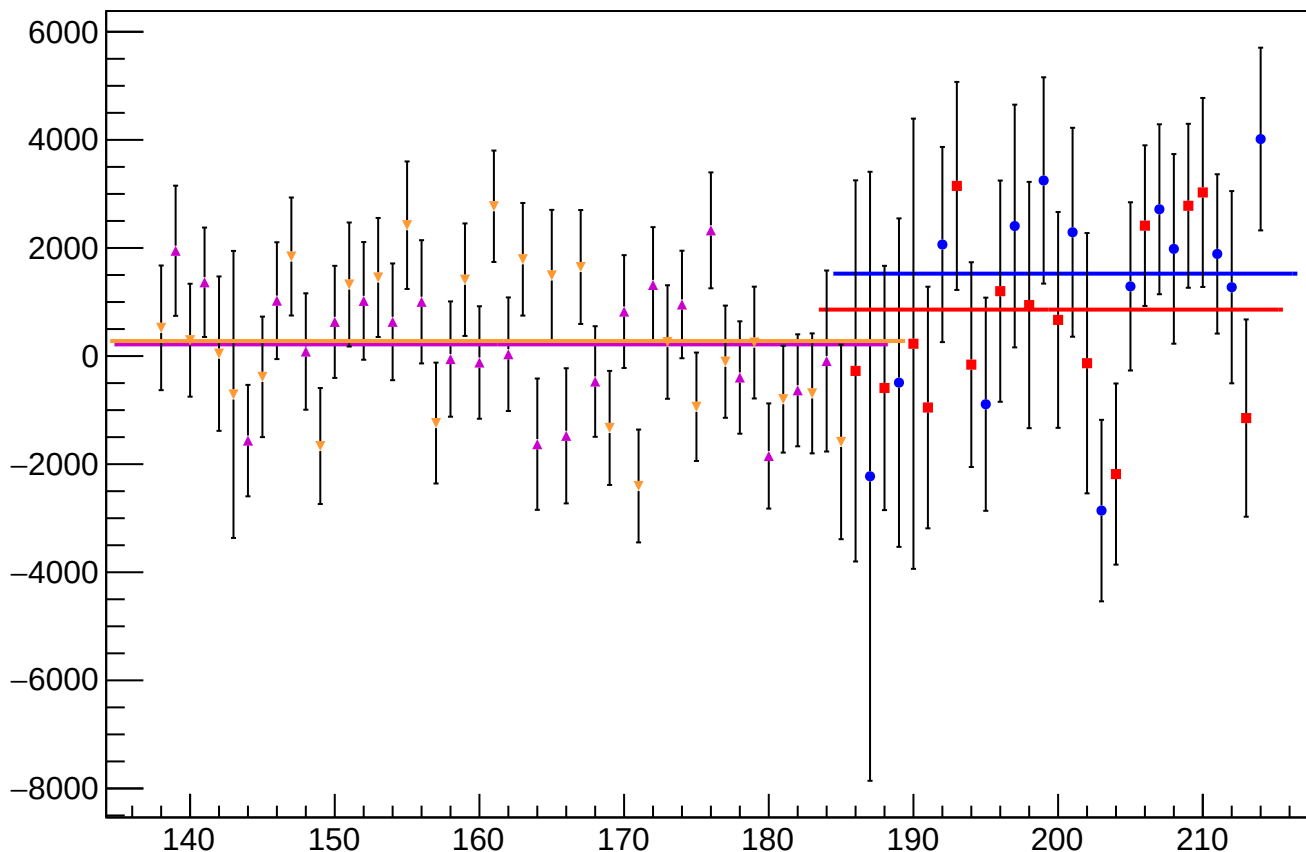
Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

+ sign 1706.741 $\pm$ 0.229 χ^2 /NDF: 1149018.4/38

All: 1695.888 $\pm$ 0.163 χ^2 /NDF: 2616204.3/76

- sign 1684.920 $\pm$ 0.230 χ^2 /NDF: 1462679.4/37

asym_us_agg_dd_mean vs Slug



Right In: 1524.939 $\pm$ 495.831 χ^2 /NDF: 13.3/13

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

Right Out: 859.724 $\pm$ 512.456 χ^2 /NDF: 11.8/14

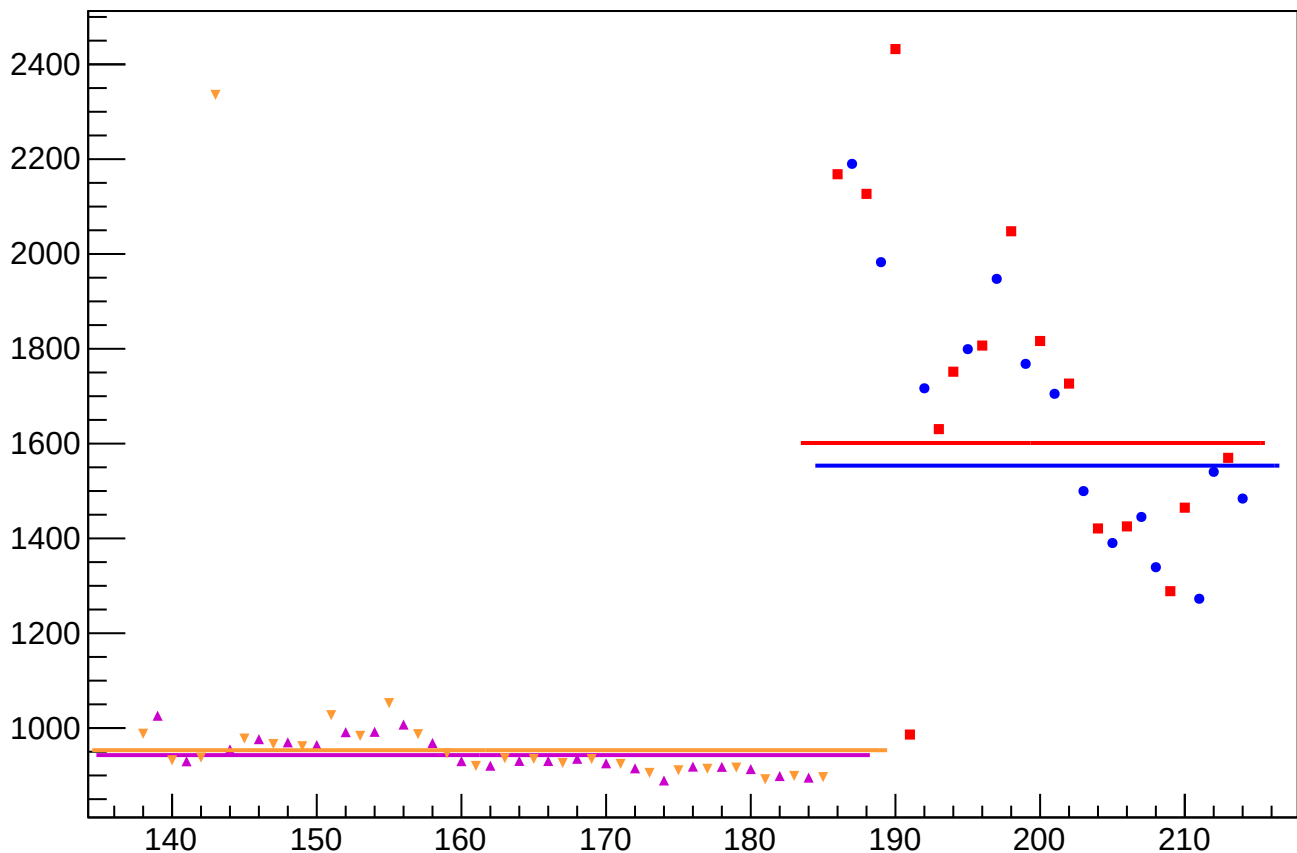
Left In: 216.121 $\pm$ 225.600 χ^2 /NDF:24.4/22

+ sign 488.774 $\pm$ 203.818 χ^2 /NDF: 57.0/38

All: 405.780 $\pm$ 145.052 χ^2 /NDF: 94.9/76

- sign 320.605 $\pm$ 206.478 χ^2 /NDF: 37.6/37

asym_us_agg_dd_rms vs Slug



Right In: 1553.516 $\pm$ 0.351 χ^2 /NDF: 351388.8/13

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

Right Out: 1601.308 $\pm$ 0.362 χ^2 /NDF: 678469.4/14

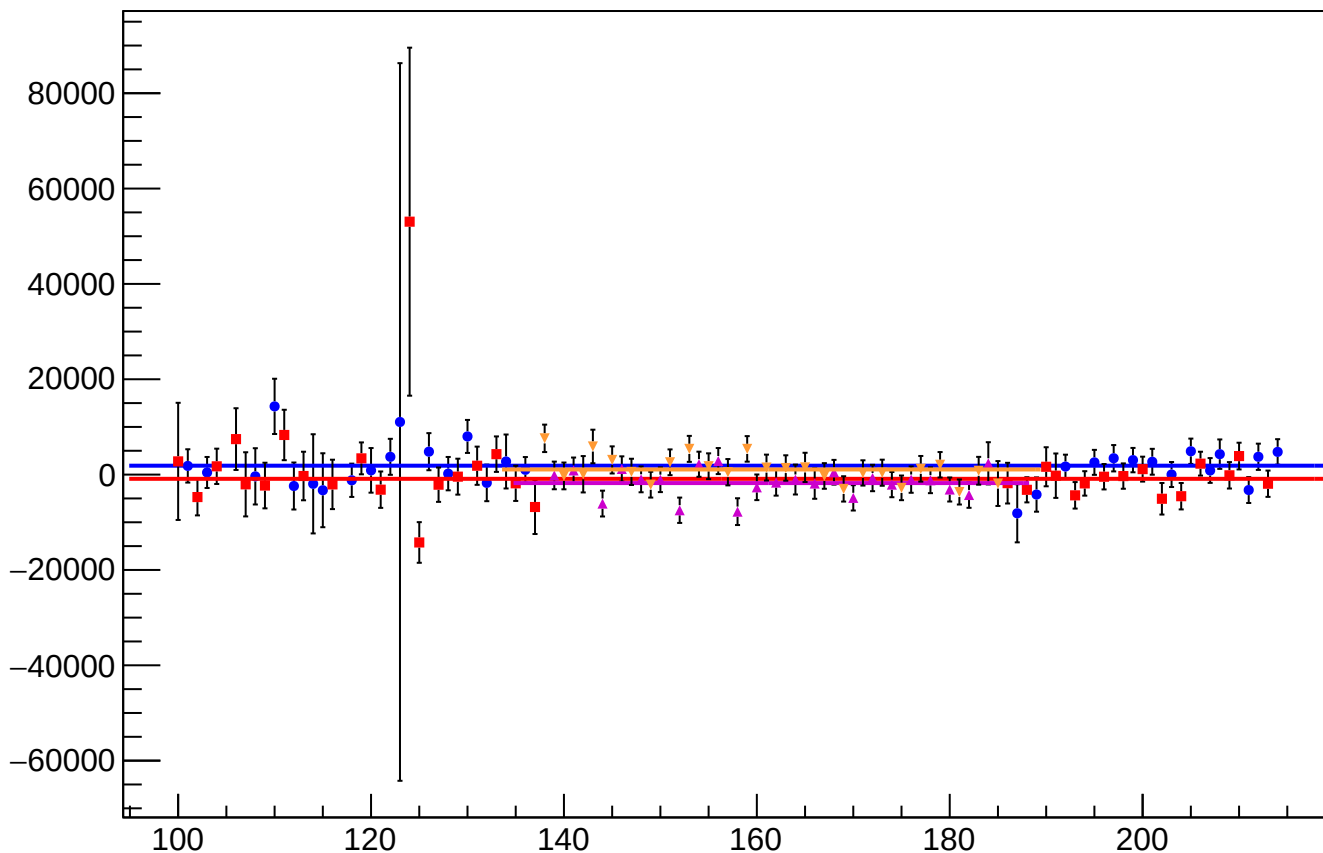
Left In: 942.927 $\pm$ 0.160 χ^2 /NDF: 48402.9/22

+ sign 1054.654 $\pm$ 0.144 χ^2 /NDF: 3393828.2/38

All: 1052.264 $\pm$ 0.103 χ^2 /NDF: 6886534.1/70

- sign 1049.810 $\pm$ 0.146 χ^2 /NDF: 3492148.3/37

reg_asym_atl1_mean vs Slug



Right In: 1868.995 $\pm$ 603.248 χ^2 /NDF: 26.2/30

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

Right Out: -884.145 $\pm$ 604.885 χ^2 /NDF: 35.8/33

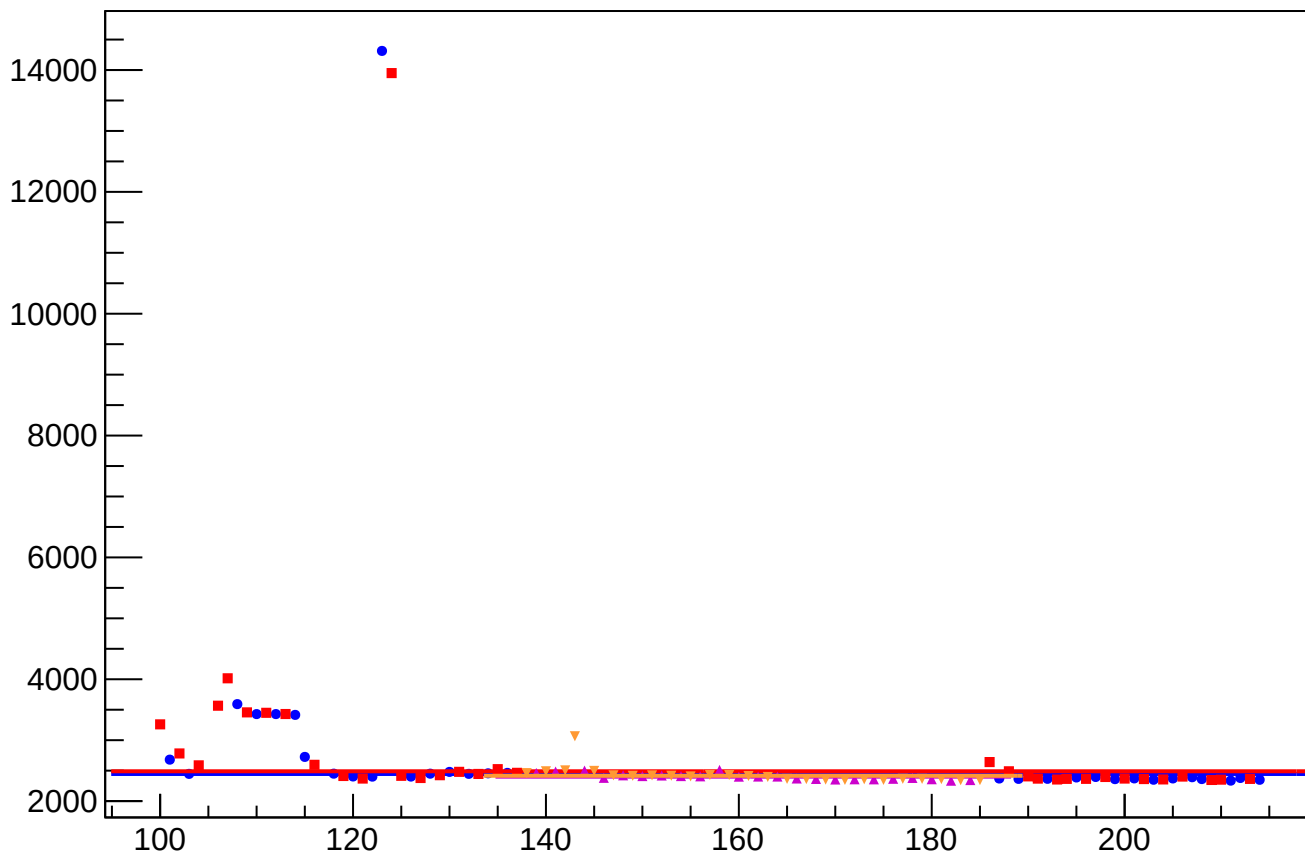
Left In: -1777.100 $\pm$ 575.895 χ^2 /NDF: 24.1/22

+ sign 1446.964 $\pm$ 411.987 χ^2 /NDF: 50.7/55

All: 64.451 $\pm$ 293.107 χ^2 /NDF: 134.5/112

- sign -1352.533 $\pm$ 417.091 χ^2 /NDF: 61.0/56

reg_asym_atl1_rms vs Slug



Right In: 2445.466+/-0.427 χ^2/NDF : 314329.1/30

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

Right Out: 2489.638+/-0.428 χ^2/NDF : 648664.6/33

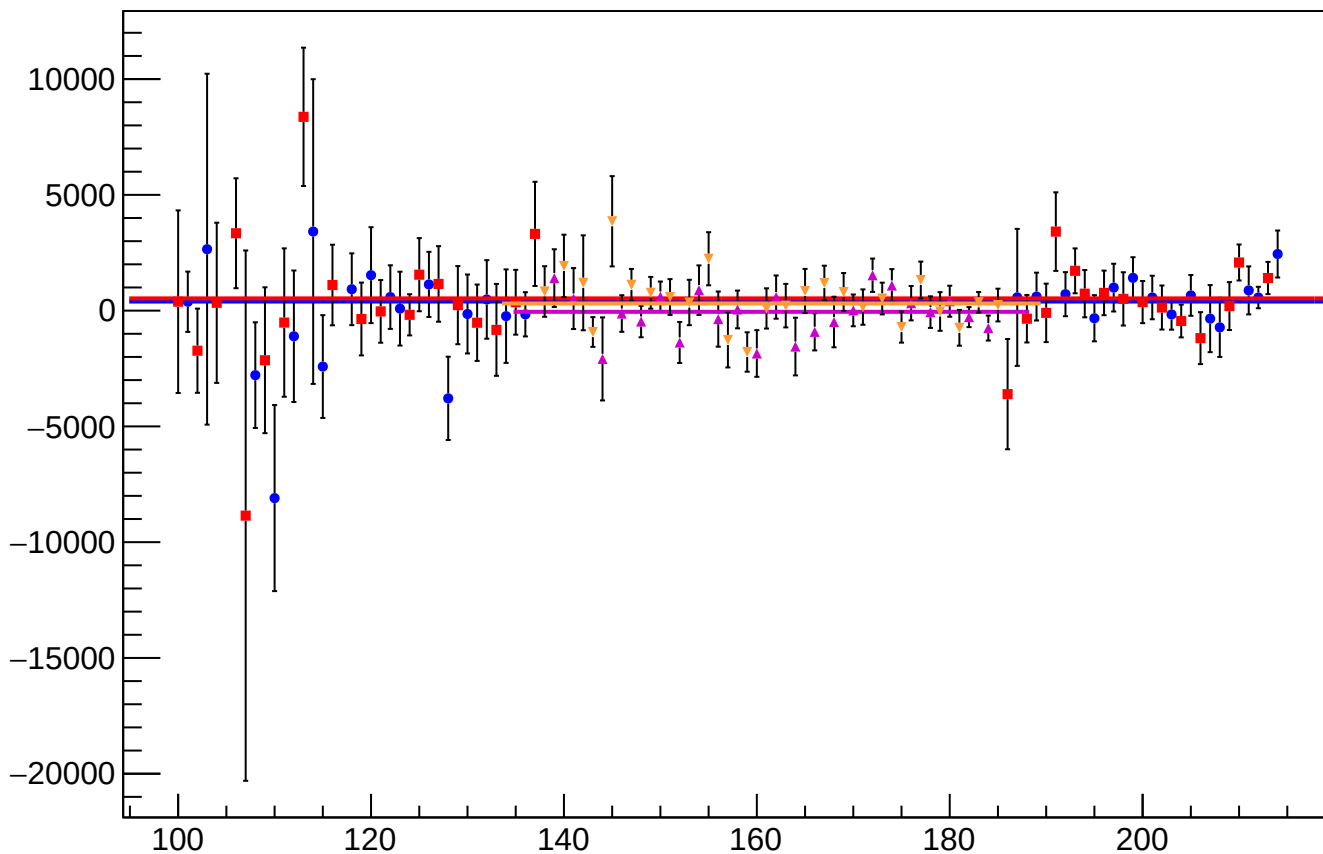
Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

+ sign 2429.754+/-0.291 χ^2/NDF : 399507.9/55

All: 2436.476+/-0.207 χ^2/NDF : 1085311.2/11

- sign 2443.365+/-0.295 χ^2/NDF : 684725.2/56

asym_atl1_correction_mean vs Slug



Right In: 393.539 $\pm$ 206.798 χ^2 /NDF: 23.9/30

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

Right Out: 529.118 $\pm$ 214.840 χ^2 /NDF: 34.2/33

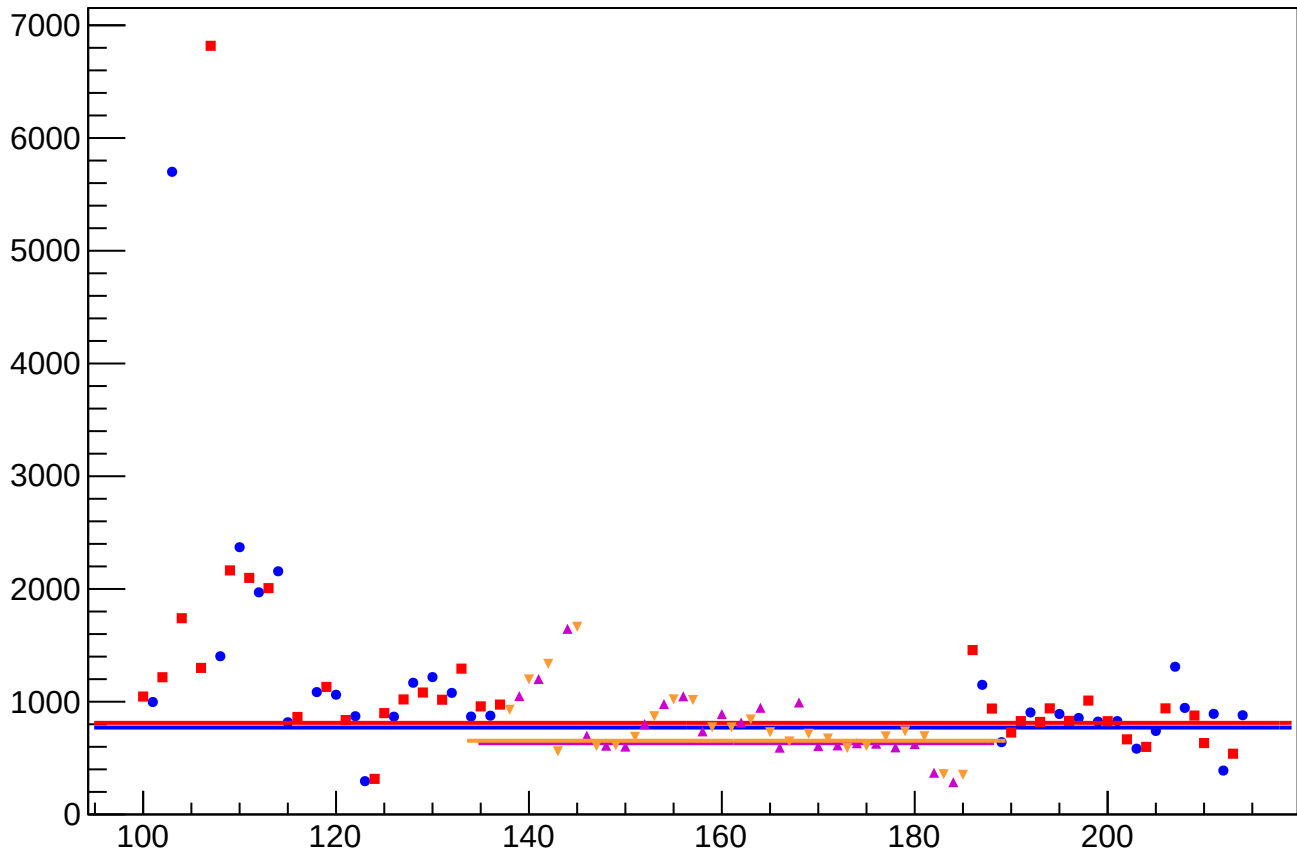
Left In: -51.454 $\pm$ 161.744 χ^2 /NDF:23.8/22

+ sign 341.985 $\pm$ 126.867 χ^2 /NDF: 53.8/55

All: 251.962 $\pm$ 90.528 χ^2 /NDF: 117.5/112

- sign 158.571 $\pm$ 129.218 χ^2 /NDF: 62.7/56

asym_atl1_correction_rms vs Slug



Right In: 770.866 $\pm$ 0.146 χ^2 /NDF: 4522982.7/30

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

Right Out: 812.655 $\pm$ 0.152 χ^2 /NDF: 3830942.3/33

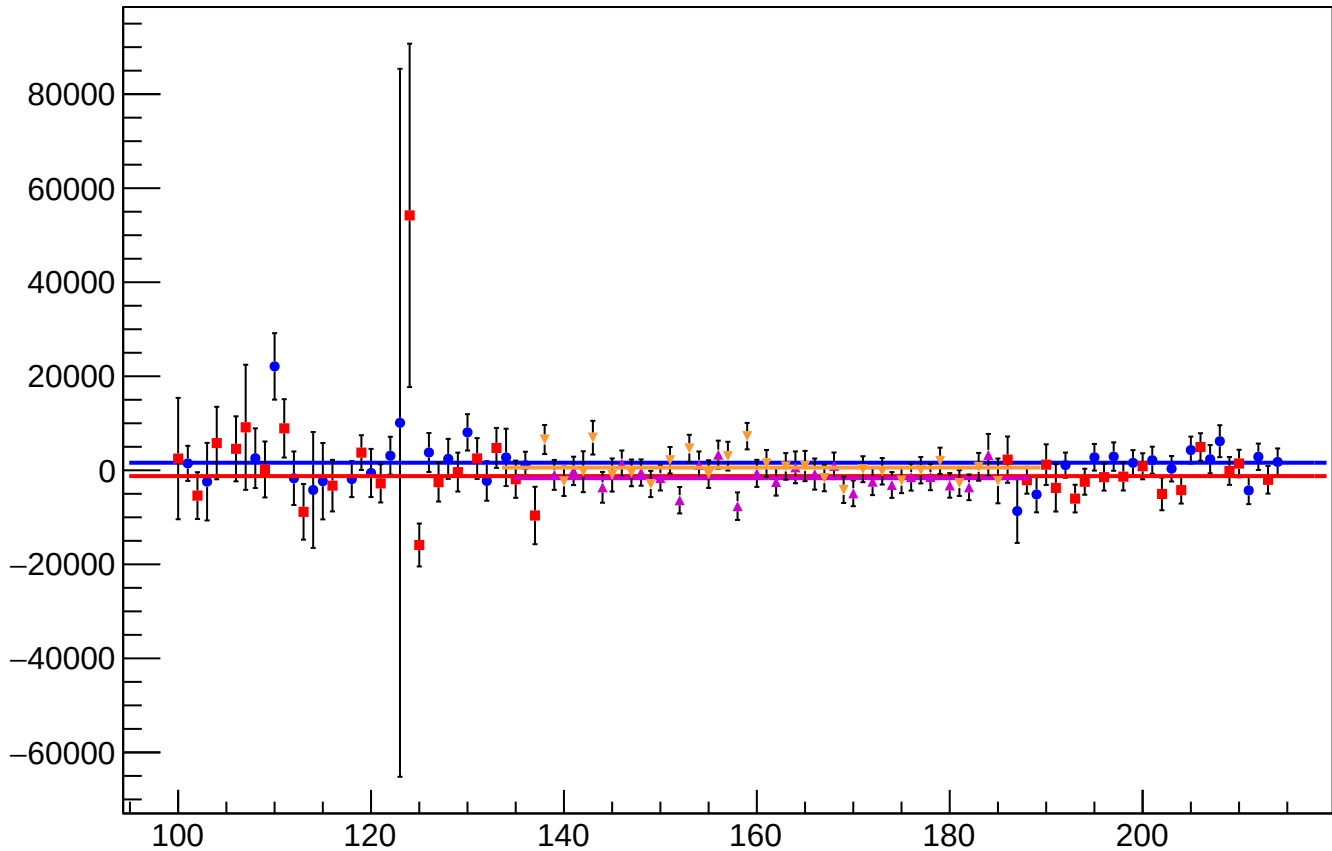
Left In: 632.053 $\pm$ 0.114 χ^2 /NDF: 3942853.4/22

+ sign 697.861 $\pm$ 0.090 χ^2 /NDF: 8177359.3/55

All: 697.628 $\pm$ 0.064 χ^2 /NDF: 16853224.2/11

- sign 697.387 $\pm$ 0.091 χ^2 /NDF: 8675851.1/56

asym_atl1_mean vs Slug



Right In: 1613.221 $\pm$ 662.030 χ^2 /NDF: 27.8/30

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

Right Out: -1234.960 $\pm$ 667.743 χ^2 /NDF: 39.2/33

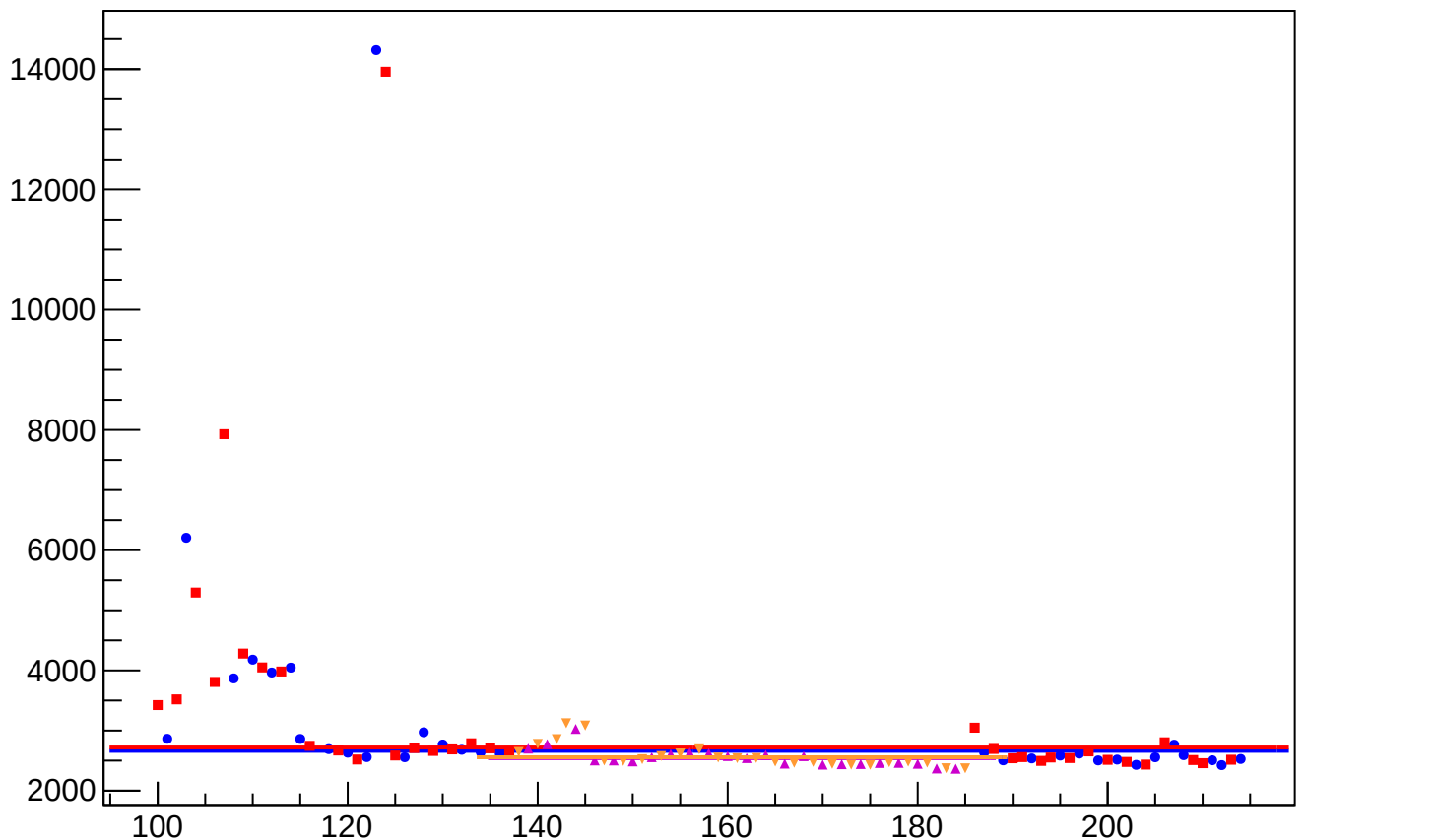
Left In: -1679.572 $\pm$ 610.111 χ^2 /NDF: 18.2/22

+ sign 1044.019 $\pm$ 443.427 χ^2 /NDF: 54.4/55

All: -196.925 $\pm$ 315.991 χ^2 /NDF: 128.0/112

- sign -1477.278 $\pm$ 450.413 χ^2 /NDF: 57.6/56

asym_atl1_rms vs Slug



Right In: 2662.837+/-0.468 χ^2/NDF : 800438.8/30

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

Right Out: 2717.896+/-0.472 χ^2/NDF : 1275992.2/33

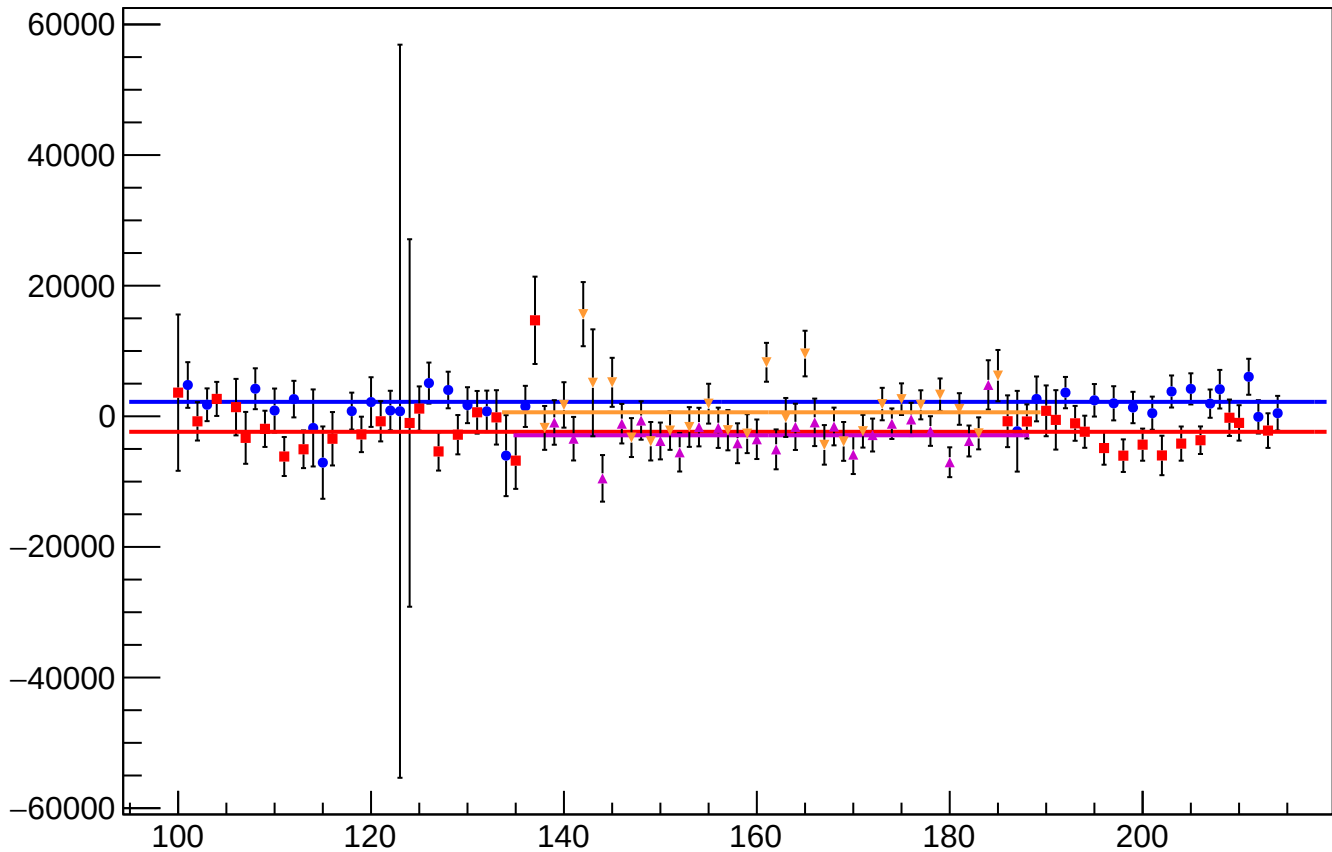
Left In: 2540.988+/-0.431 χ^2/NDF : 94756.7/22

+ sign 2603.533+/-0.314 χ^2/NDF : 984289.8/55

All: 2612.366+/-0.223 χ^2/NDF : 2433159.6/11

- sign 2621.479+/-0.318 χ^2/NDF : 1447257.5/56

reg_asym_atl2_mean vs Slug



Right In: 2212.531 $\pm$ 532.314 χ^2 /NDF: 14.5/30

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

Right Out: -2373.002 $\pm$ 527.805 χ^2 /NDF: 27.3/33

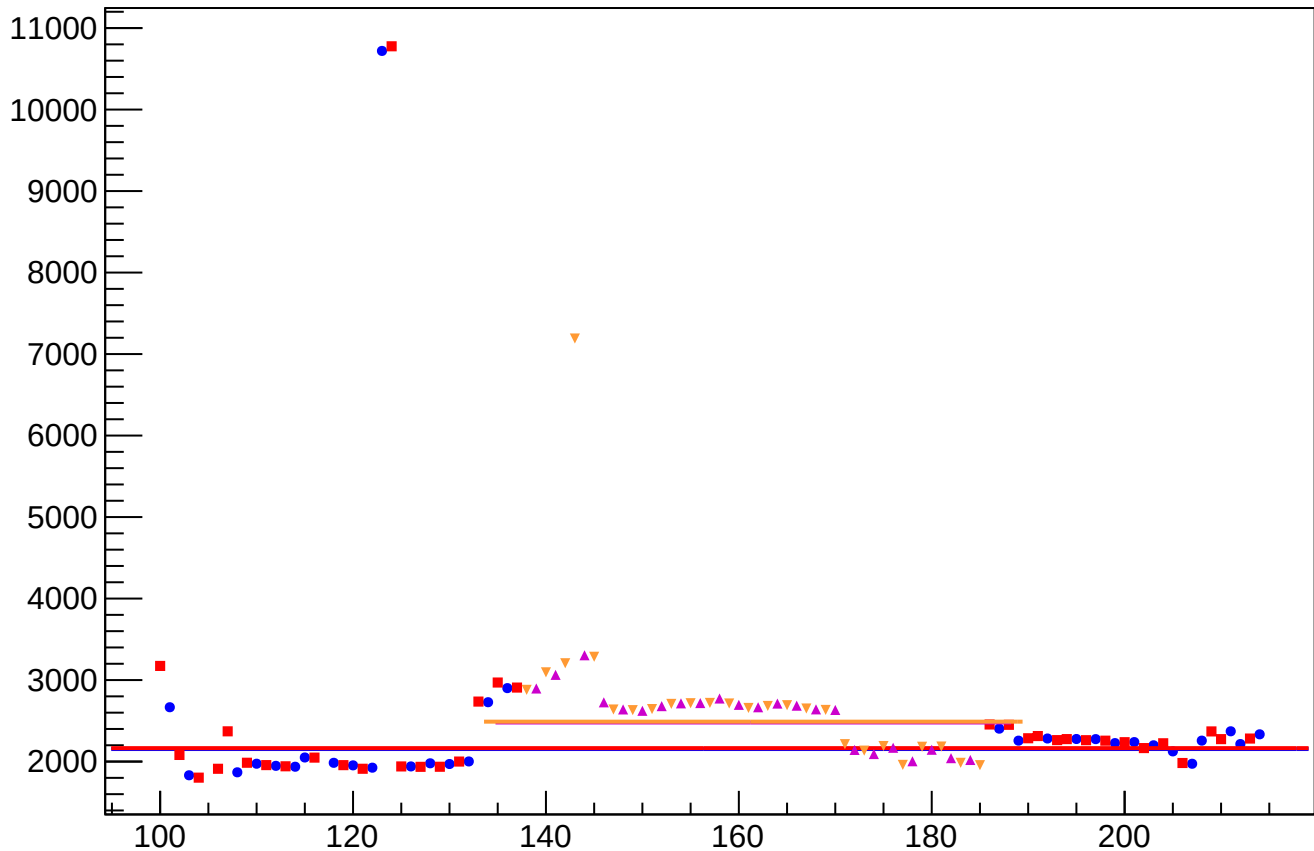
Left In: -2909.108 $\pm$ 599.673 χ^2 /NDF: 17.4/22

+ sign 1497.137 $\pm$ 395.572 χ^2 /NDF: 63.7/55

All: -551.687 $\pm$ 279.934 χ^2 /NDF: 162.5/112

- sign -2607.021 $\pm$ 396.200 χ^2 /NDF: 45.1/56

reg_asym_atl2_rms vs Slug



Right In: 2153.787 $\pm$ 0.376 χ^2 /NDF: 408204.3/30

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

Right Out: 2164.784 $\pm$ 0.373 χ^2 /NDF: 567222.4/33

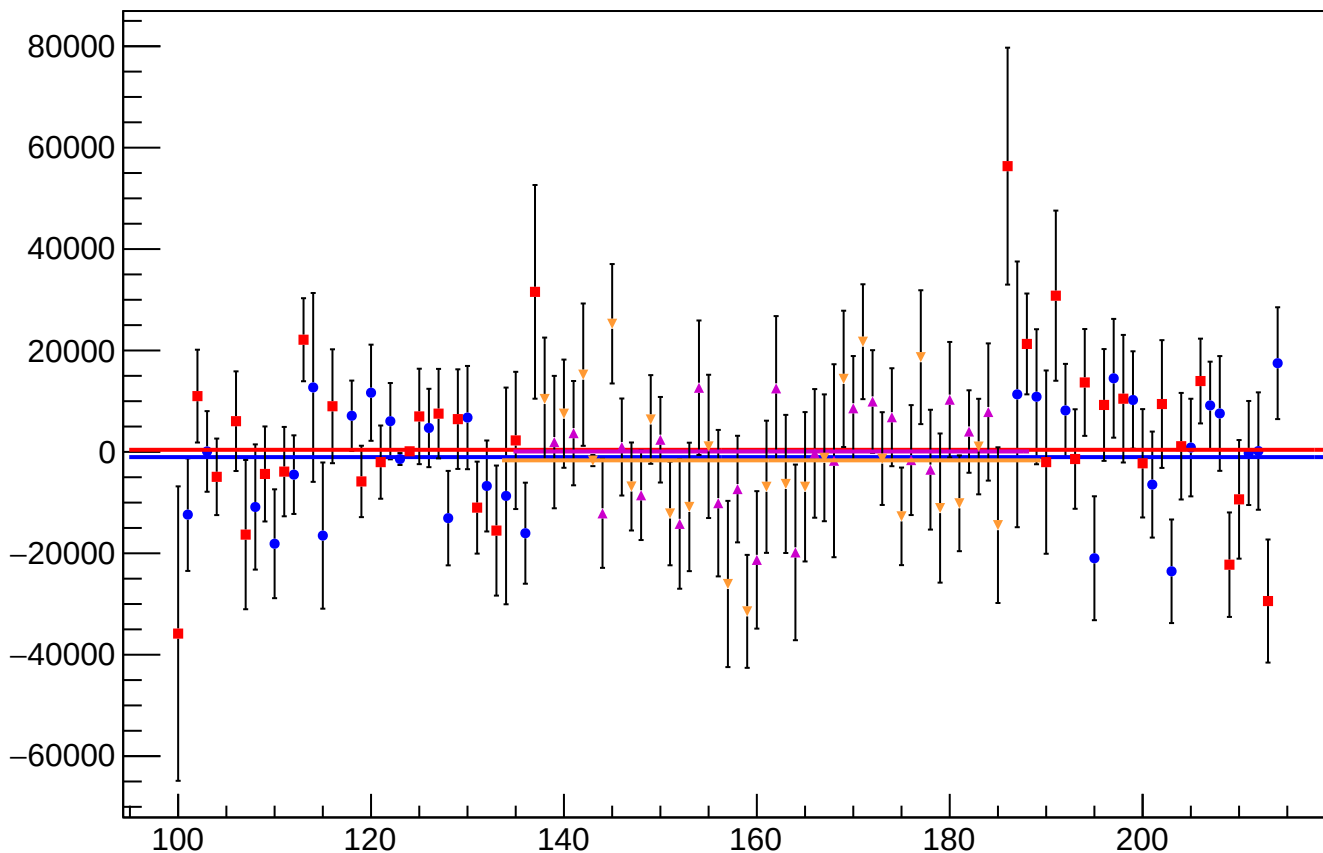
Left In: 2479.348 $\pm$ 0.424 χ^2 /NDF: 668398.2/22

+ sign 2304.145 $\pm$ 0.280 χ^2 /NDF: 2128767.7/55

All: 2303.122 $\pm$ 0.198 χ^2 /NDF: 3674516.9/11

- sign 2302.095 $\pm$ 0.280 χ^2 /NDF: 1545722.4/56

asym_atl2_correction_mean vs Slug



Right In: -1028.091 $\pm$ 990.739 χ^2 /NDF: 33.7/30

Left Out: -1665.417 $\pm$ 993.060 χ^2 /NDF:32.4/24

Right Out: 412.462 $\pm$ 676.864 χ^2 /NDF: 52.2/33

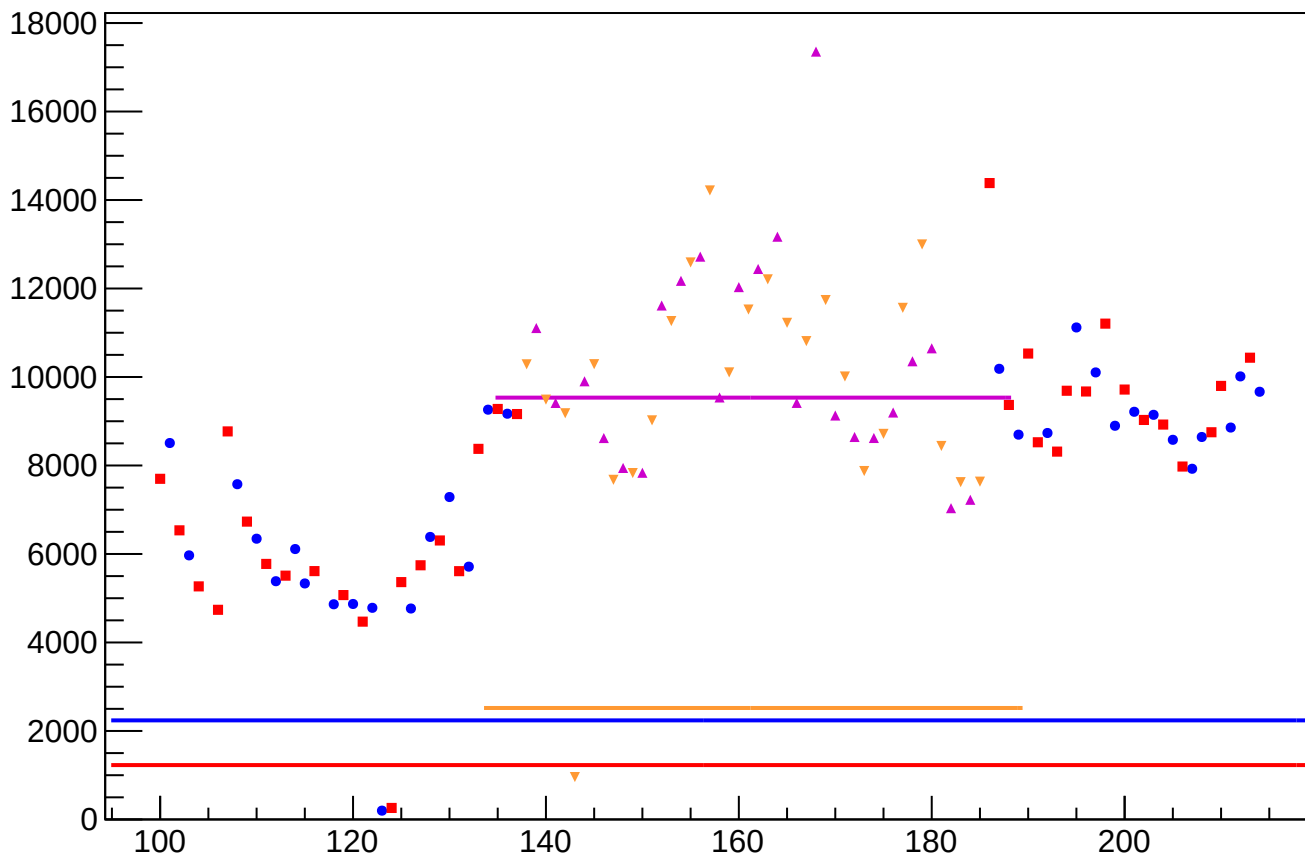
Left In: 80.274 $\pm$ 2331.531 χ^2 /NDF:13.8/22

+ sign -1346.008 $\pm$ 701.377 χ^2 /NDF: 66.3/55

All: -413.941 $\pm$ 476.759 χ^2 /NDF: 135.6/112

- sign 386.641 $\pm$ 650.026 χ^2 /NDF: 66.0/56

asym_atl2_correction_rms vs Slug



Right In: 2239.183 $\pm$ 0.701 χ^2 /NDF: 22925706.1/30

Left Out: 2519.359 $\pm$ 0.702 χ^2 /NDF: 23642118.3/24

Right Out: 1228.877 $\pm$ 0.479 χ^2 /NDF: 27579819.7/33

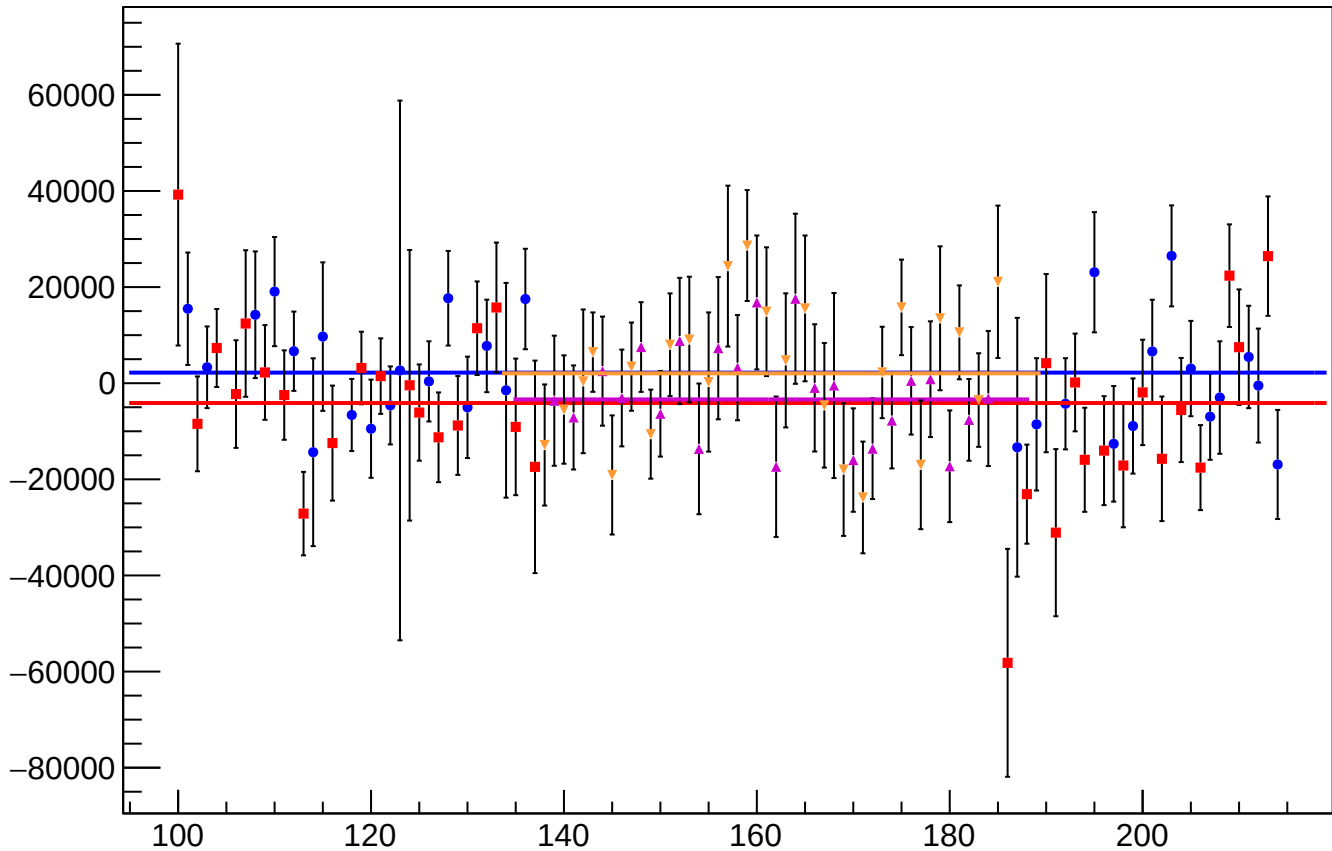
Left In: 9533.563 $\pm$ 1.649 χ^2 /NDF: 1316640.0/22

+ sign 2378.943 $\pm$ 0.496 χ^2 /NDF: 46647610.1/55

All: 2107.520 $\pm$ 0.337 χ^2 /NDF: 99502843.2/100

- sign 1874.387 $\pm$ 0.460 χ^2 /NDF: 52298454.6/56

asym_atl2_mean vs Slug



Right In: 2202.643+/-1934.756 χ^2/NDF : 31.2/30

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

Right Out: -4118.387+/-1900.175 χ^2/NDF : 51.4/33

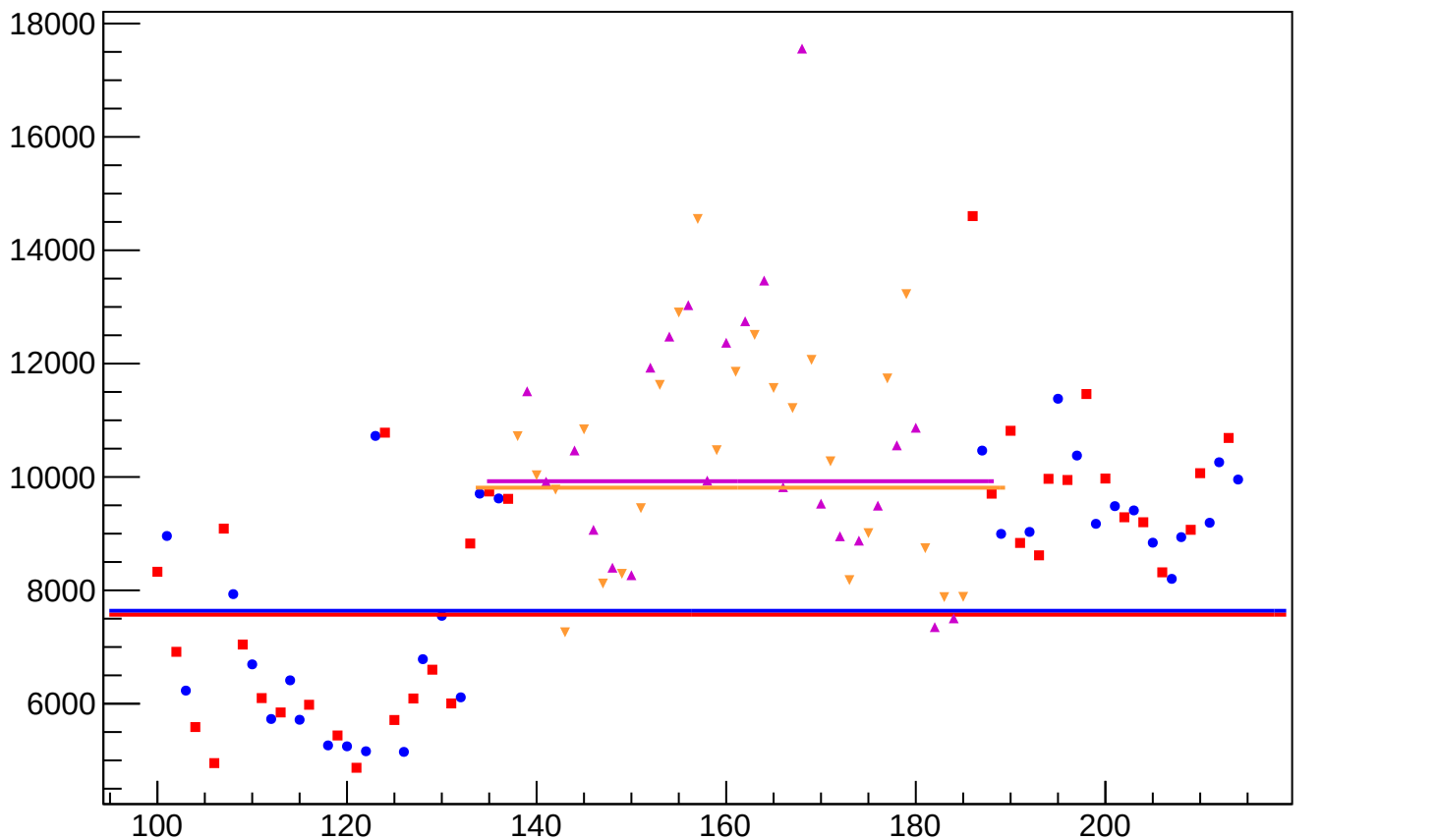
Left In: -3371.931+/-2423.242 χ^2/NDF :13.1/22

+ sign 2142.882+/-1489.399 χ^2/NDF : 61.9/55

All: -833.863+/-1055.238 χ^2/NDF : 134.5/112

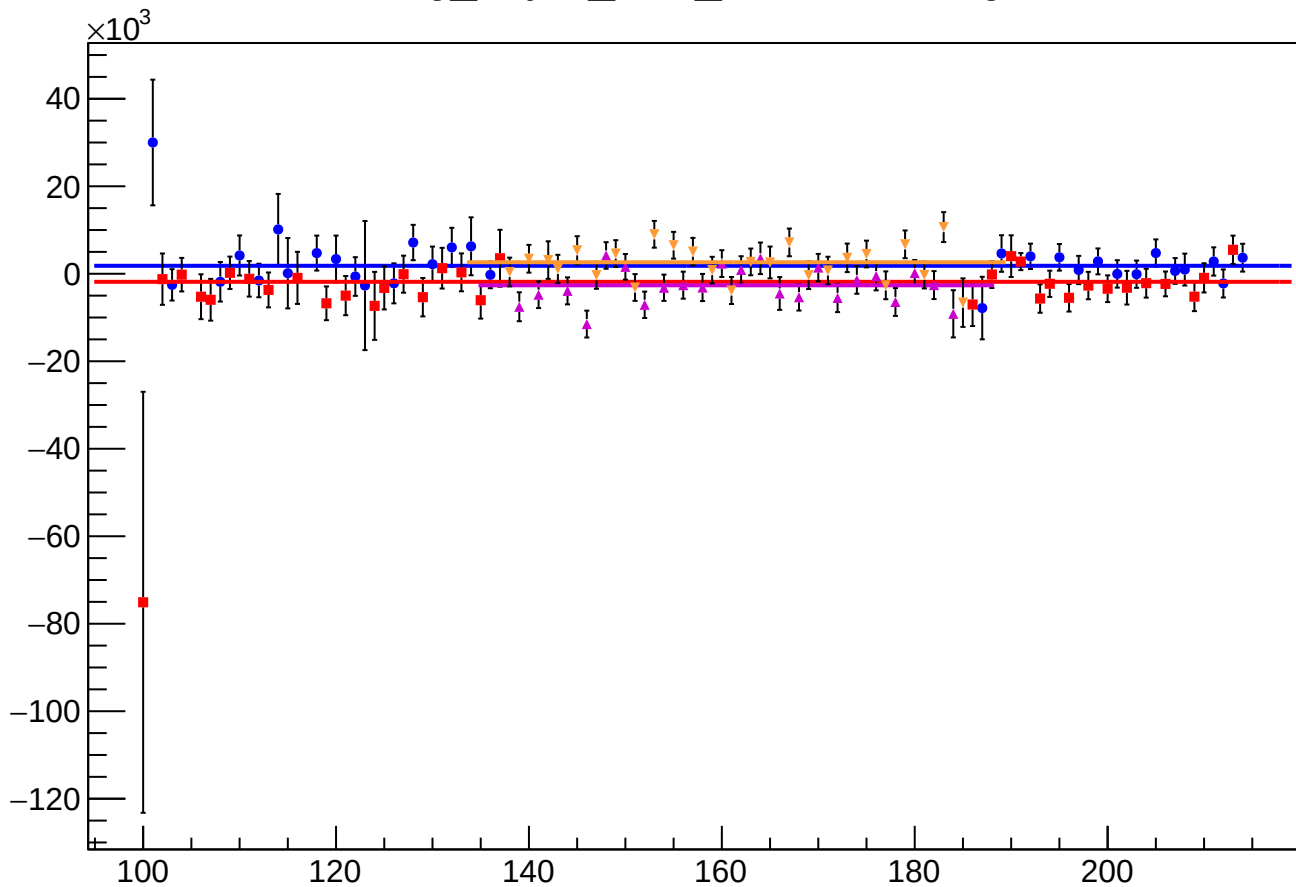
- sign -3834.166+/-1495.281 χ^2/NDF : 64.6/56

asym_atl2_rms vs Slug



Right In: 7638.867+/-1.368	χ^2/NDF : 1892463.5/30	+ sign 8523.763+/-1.053	χ^2/NDF : 4133340.6/55
Left Out: 9811.053+/-1.650	χ^2/NDF : 1213831.0/24	All: 8495.377+/-0.746	χ^2/NDF : 8802764.2/11
Right Out: 7570.018+/-1.344	χ^2/NDF : 2286337.3/33	- sign 8466.768+/-1.057	χ^2/NDF : 4667965.0/56
Left In: 9925.337+/-1.713	χ^2/NDF : 1211554.7/22		

reg_asym_atr1_mean vs Slug



Right In: 1820.790 ± 692.595 χ^2/NDF : 20.7/30

Left Out: 2635.833 ± 646.121 χ^2/NDF : 35.1/24

Right Out: -1838.518 ± 645.890 χ^2/NDF : 28.2/33

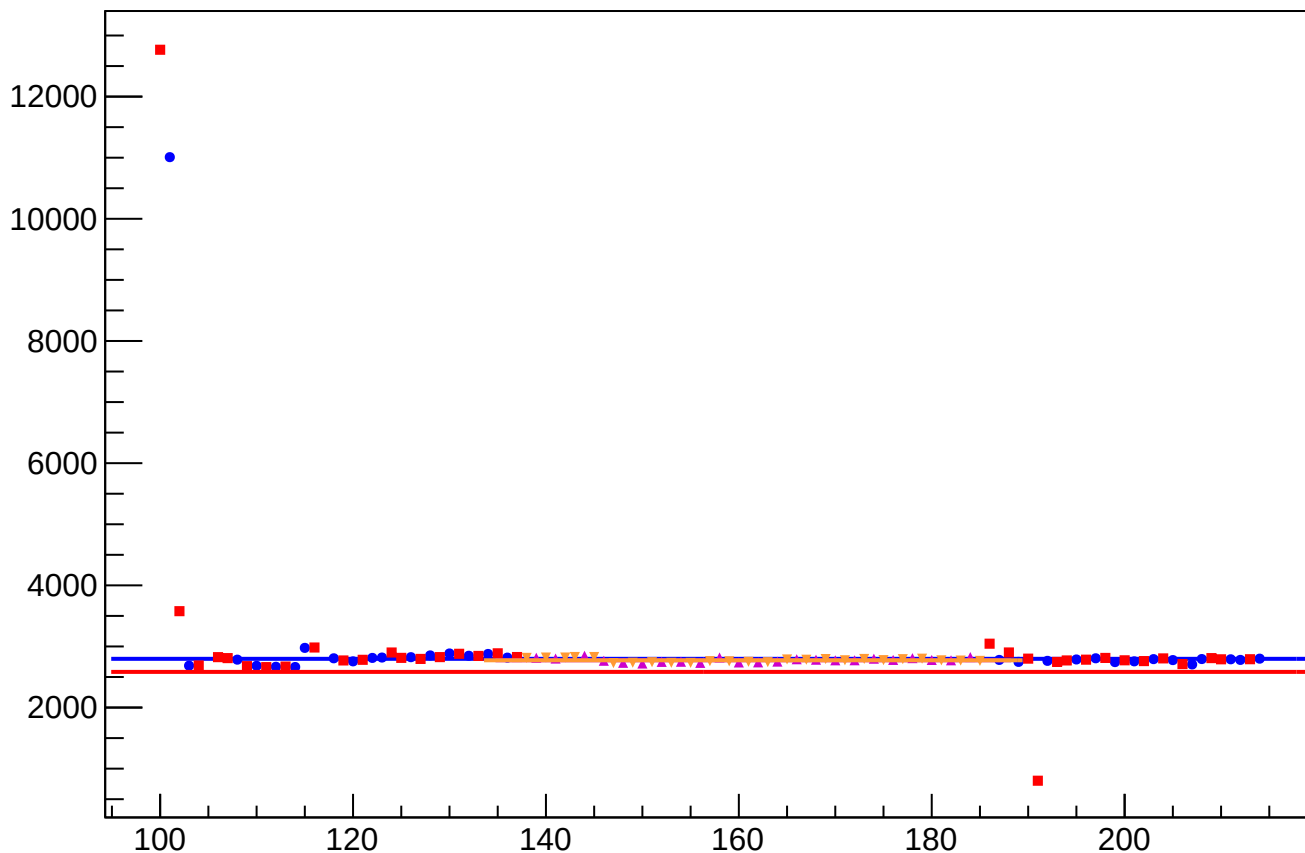
Left In: -2638.607 ± 664.569 χ^2/NDF : 35.2/22

+ sign 2256.572 ± 472.452 χ^2/NDF : 56.5/55

All: -29.744 ± 330.746 χ^2/NDF : 166.6/112

- sign -2227.160 ± 463.176 χ^2/NDF : 64.2/56

reg_asym_atr1_rms vs Slug



Right In: 2797.586+/-0.490 χ^2/NDF : 666687.9/30

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

Right Out: 2583.684+/-0.457 χ^2/NDF : 2022414.6/33

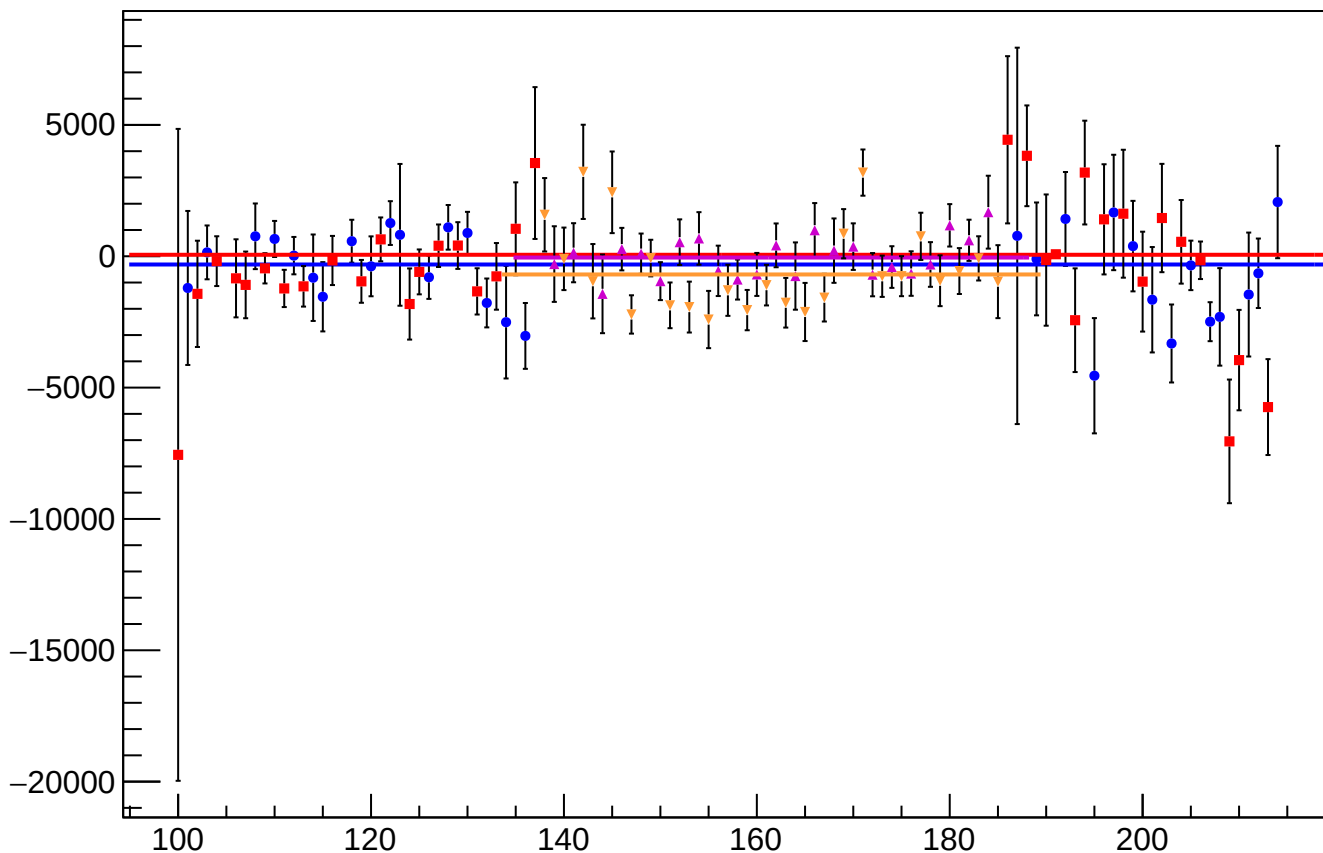
Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

+ sign 2784.822+/-0.334 χ^2/NDF : 672574.9/55

All: 2729.407+/-0.234 χ^2/NDF : 2838314.9/11

- sign 2676.147+/-0.328 χ^2/NDF : 2111780.3/56

asym_atr1_correction_mean vs Slug



Right In: -313.465 ± 207.527 χ^2/NDF : 44.3/30

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

Right Out: 56.733 ± 37.802 χ^2/NDF : 53.8/33

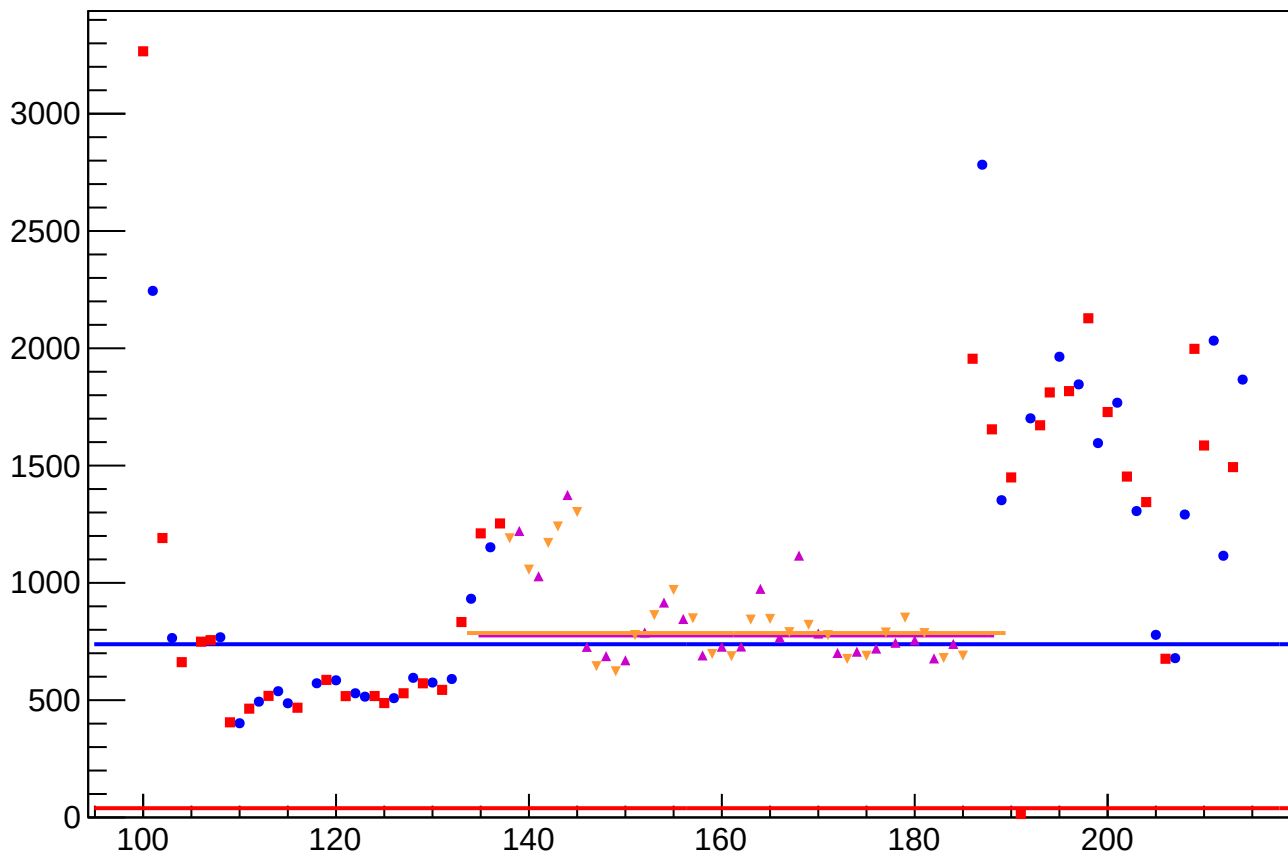
Left In: -49.244 ± 189.190 χ^2/NDF : 13.6/22

+ sign -522.522 ± 139.043 χ^2/NDF : 102.1/55

All: 14.494 ± 35.819 χ^2/NDF : 185.8/112

- sign 52.665 ± 37.070 χ^2/NDF : 67.7/56

asym_atr1_correction_rms vs Slug



Right In: 738.483 $\pm$ 0.147 χ^2 /NDF: 7059472.5/30

Left Out: 786.173 $\pm$ 0.132 χ^2 /NDF:1249536.1/24

Right Out: 39.469 $\pm$ 0.027 χ^2 /NDF: 30838728.6/33

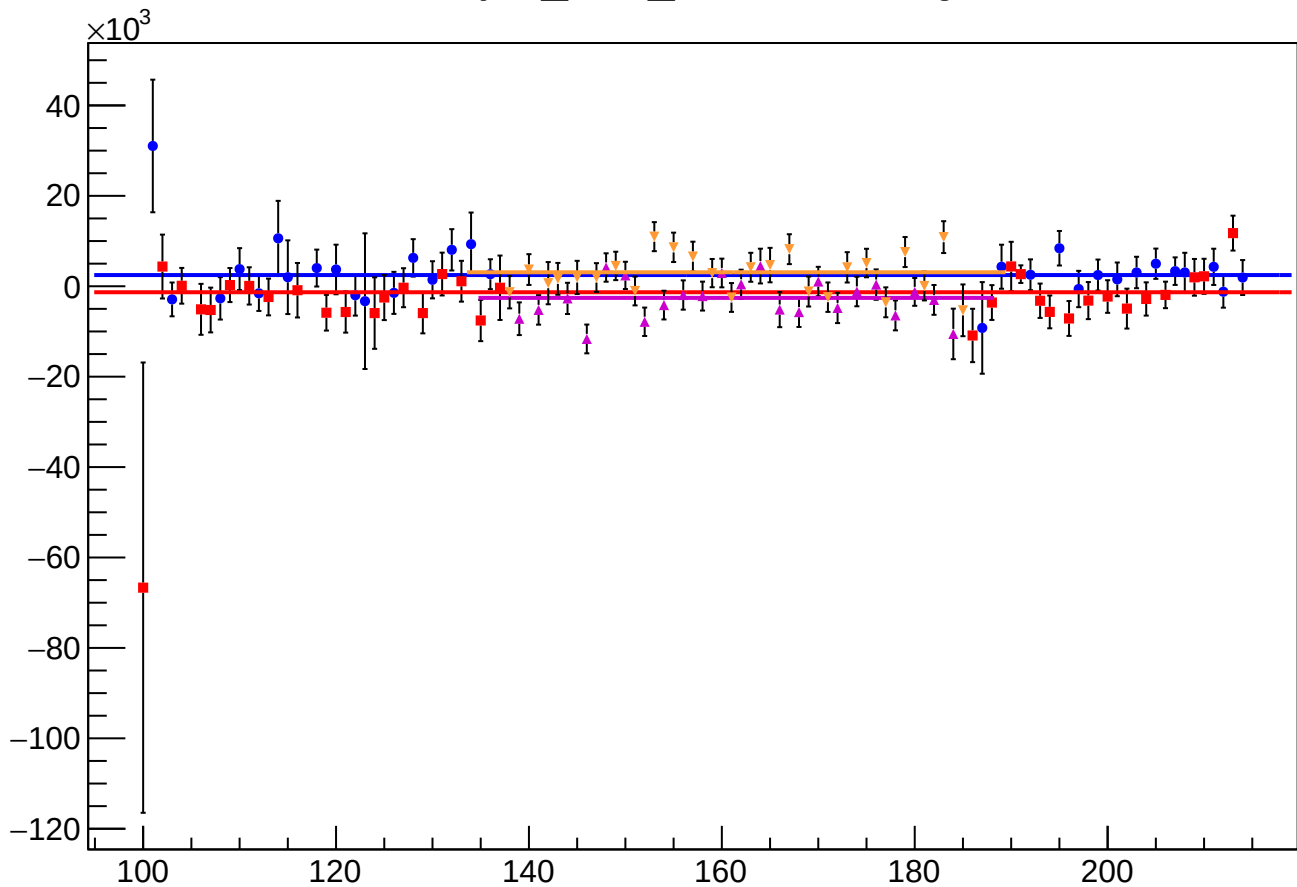
Left In: 775.930 $\pm$ 0.134 χ^2 /NDF:1056766.5/22

+ sign 764.765 $\pm$ 0.098 χ^2 /NDF: 8367216.1/55

All: 113.999 $\pm$ 0.025 χ^2 /NDF: 116330525.9/1

- sign 67.744 $\pm$ 0.026 χ^2 /NDF: 61038336.3/56

asym_atr1_mean vs Slug



Right In: 2477.620 ± 766.589 χ^2/NDF : 21.1/30

Left Out: 3094.826 ± 678.510 χ^2/NDF : 38.7/24

Right Out: -1324.805 ± 709.806 χ^2/NDF : 36.9/33

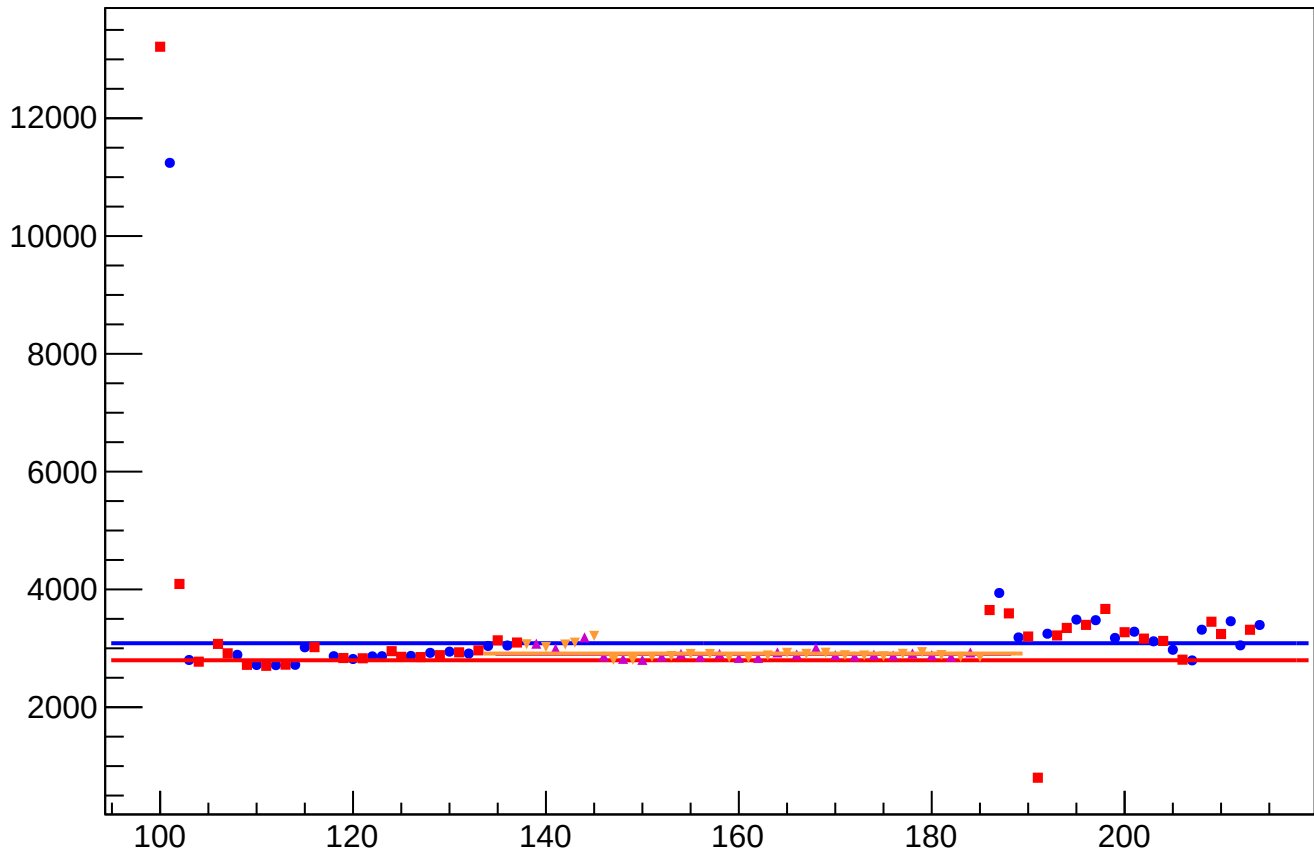
Left In: -2573.184 ± 695.795 χ^2/NDF : 35.7/22

+ sign 2823.702 ± 508.079 χ^2/NDF : 60.2/55

All: 377.819 ± 355.241 χ^2/NDF : 179.7/112

- sign -1961.438 ± 496.881 χ^2/NDF : 74.2/56

asym_atr1_rms vs Slug



Right In: 3086.371+/-0.542 χ^2/NDF : 821843.6/30

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

Right Out: 2796.974+/-0.502 χ^2/NDF : 2808394.0/33

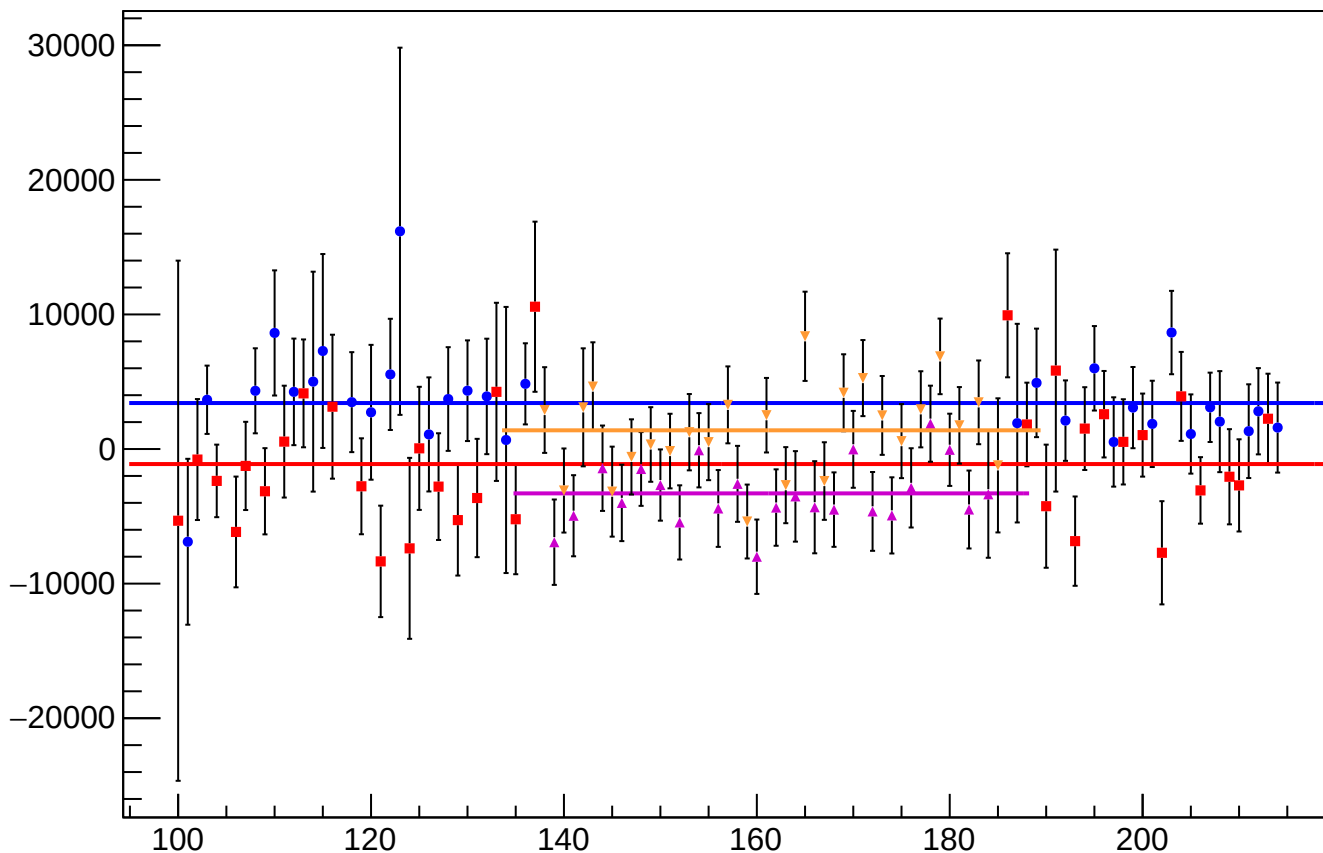
Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

+ sign 2988.163+/-0.359 χ^2/NDF : 917027.3/55

All: 2918.182+/-0.251 χ^2/NDF : 3851423.1/11

- sign 2851.253+/-0.351 χ^2/NDF : 2860166.3/56

reg_asym_atr2_mean vs Slug



Right In: 3417.374+/-663.199 χ^2/NDF : 12.7/30

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

Right Out: -1116.649+/-649.458 χ^2/NDF : 36.2/33

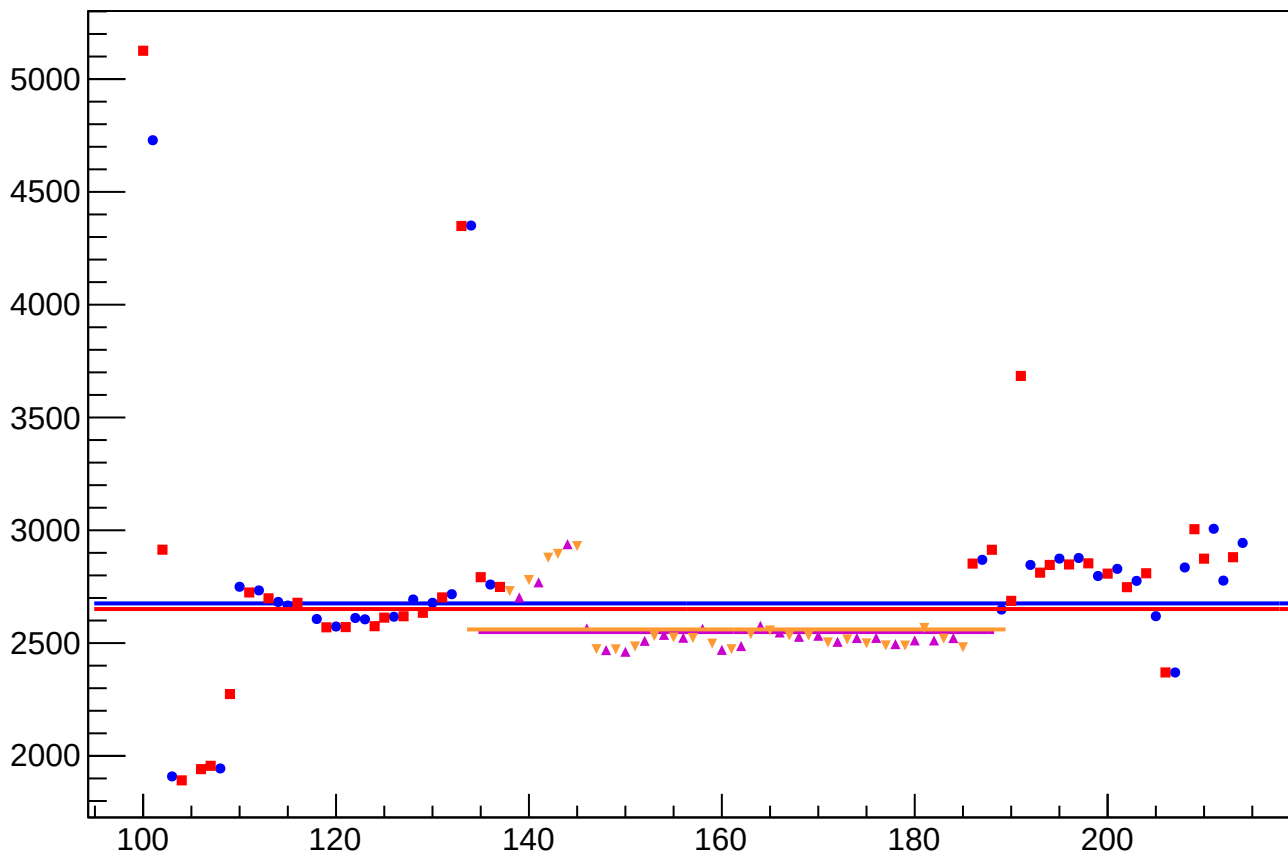
Left In: -3295.367+/-609.991 χ^2/NDF : 14.9/22

+ sign 2296.820+/-443.508 χ^2/NDF : 47.1/55

All: 17.064+/-314.002 χ^2/NDF : 157.1/112

- sign -2274.215+/-444.627 χ^2/NDF : 57.1/56

reg_asym_atr2_rms vs Slug



Right In: 2675.844+/-0.469 χ^2/NDF : 673139.7/30

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

Right Out: 2650.943+/-0.459 χ^2/NDF : 661838.5/33

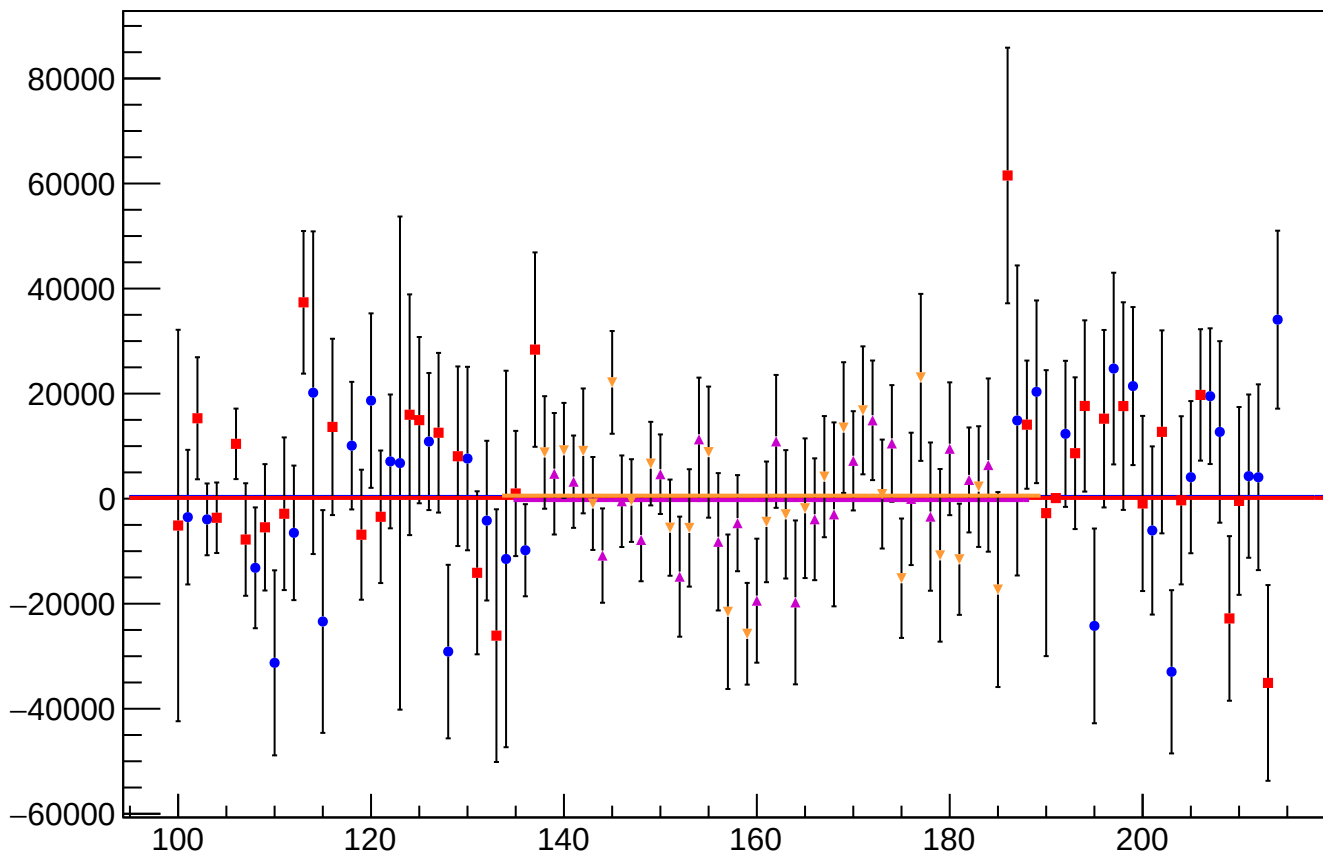
Left In: 2548.870+/-0.431 χ^2/NDF : 55266.2/22

+ sign 2612.101+/-0.314 χ^2/NDF : 793334.9/55

All: 2604.425+/-0.222 χ^2/NDF : 1537888.5/11

- sign 2596.711+/-0.314 χ^2/NDF : 743352.5/56

asym_atr2_correction_mean vs Slug



Right In: 328.801 ± 2594.781 χ^2/NDF : 34.2/30

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

Right Out: 138.293 ± 194.905 χ^2/NDF : 39.8/33

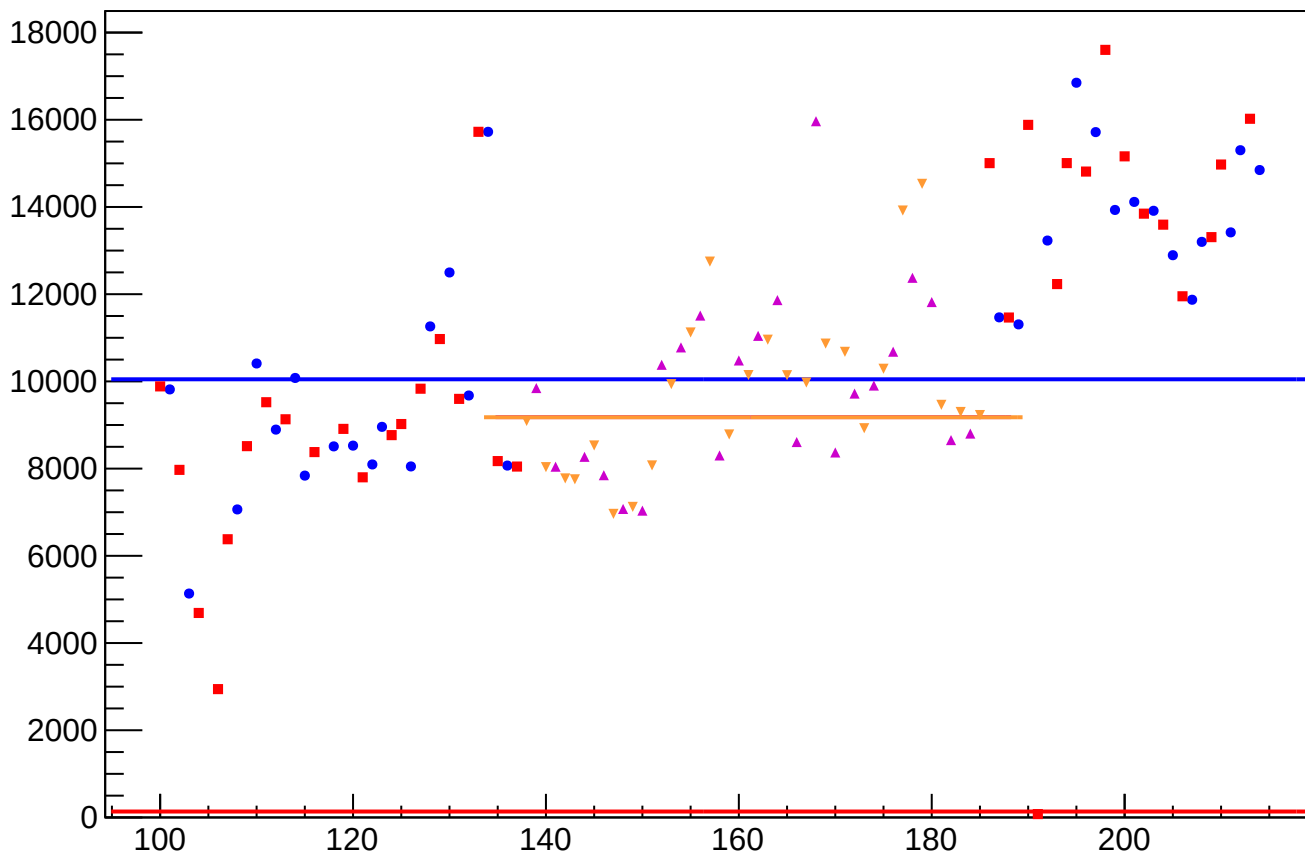
Left In: -275.116 ± 2242.836 χ^2/NDF : 15.7/22

+ sign 471.411 ± 1671.077 χ^2/NDF : 62.4/55

All: 139.673 ± 192.876 χ^2/NDF : 118.0/112

- sign 135.194 ± 194.174 χ^2/NDF : 55.5/56

asym_atr2_correction_rms vs Slug



Right In: 10048.303 $\pm$ 1.835 χ^2 /NDF: 3137637.0/30

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

Right Out: 136.036 $\pm$ 0.138 χ^2 /NDF: 32825558.1/33

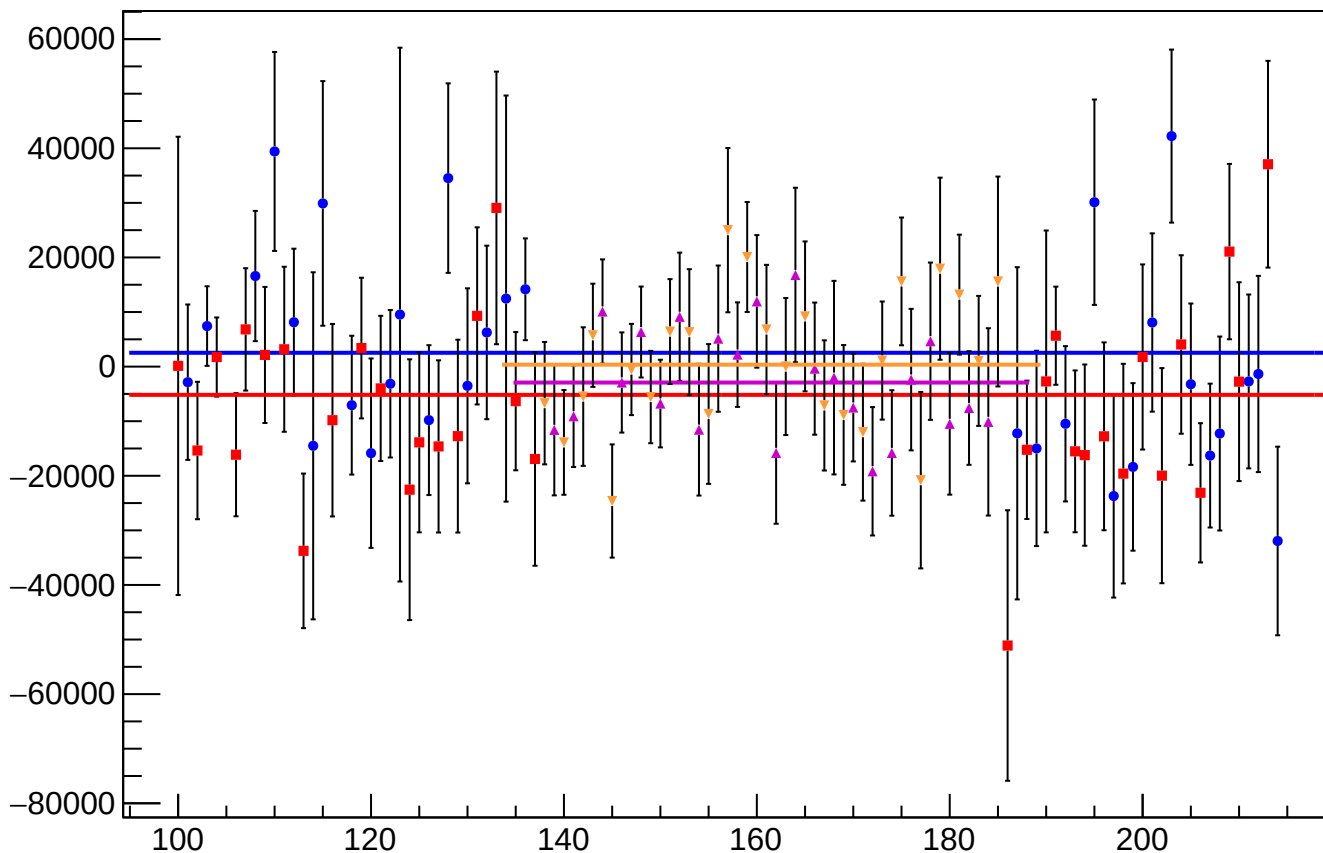
Left In: 9181.254 $\pm$ 1.586 χ^2 /NDF:1236469.7/22

+ sign 9538.779 $\pm$ 1.182 χ^2 /NDF: 4445603.5/55

All: 328.191 $\pm$ 0.136 χ^2 /NDF: 132372540.8/1

- sign 203.832 $\pm$ 0.137 χ^2 /NDF: 66347382.3/56

asym_atr2_mean vs Slug



Right In: 2534.351+/-2708.324 χ^2/NDF : 37.4/30

Left Out: 355.717+/-2281.682 χ^2/NDF : 26.2/24

Right Out: -5175.602+/-2496.242 χ^2/NDF : 31.2/33

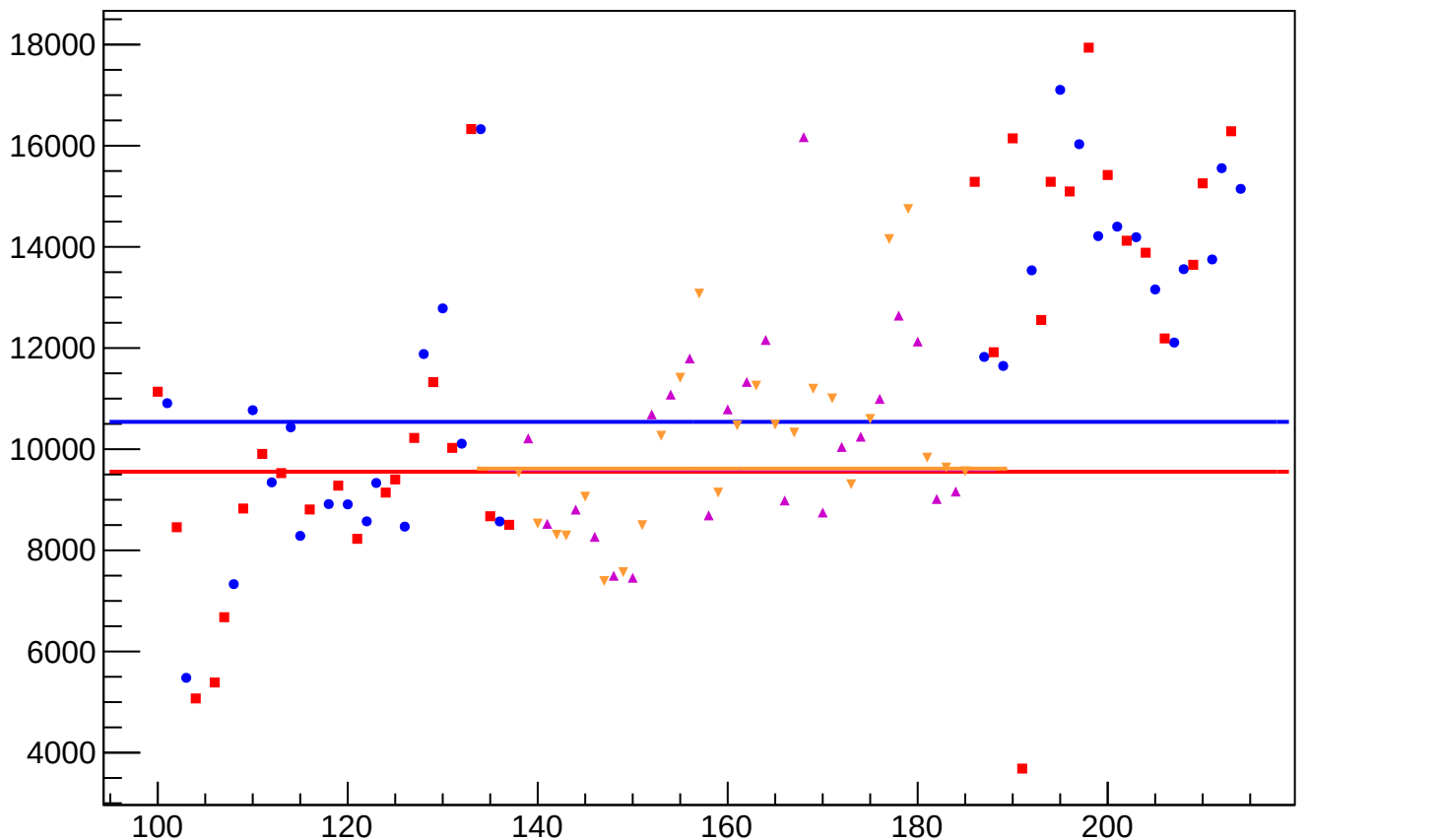
Left In: -2918.356+/-2338.461 χ^2/NDF : 14.9/22

+ sign 1260.115+/-1744.970 χ^2/NDF : 64.0/55

All: -1414.817+/-1220.087 χ^2/NDF : 115.1/111

- sign -3973.392+/-1706.597 χ^2/NDF : 46.5/56

asym_atr2_rms vs Slug



Right In: 10540.423+/-1.915 χ^2/NDF : 2845217.2/30

Left Out: 9616.245+/-1.613 χ^2/NDF : 1011665.6/24

Right Out: 9554.714+/-1.765 χ^2/NDF : 4576371.8/33

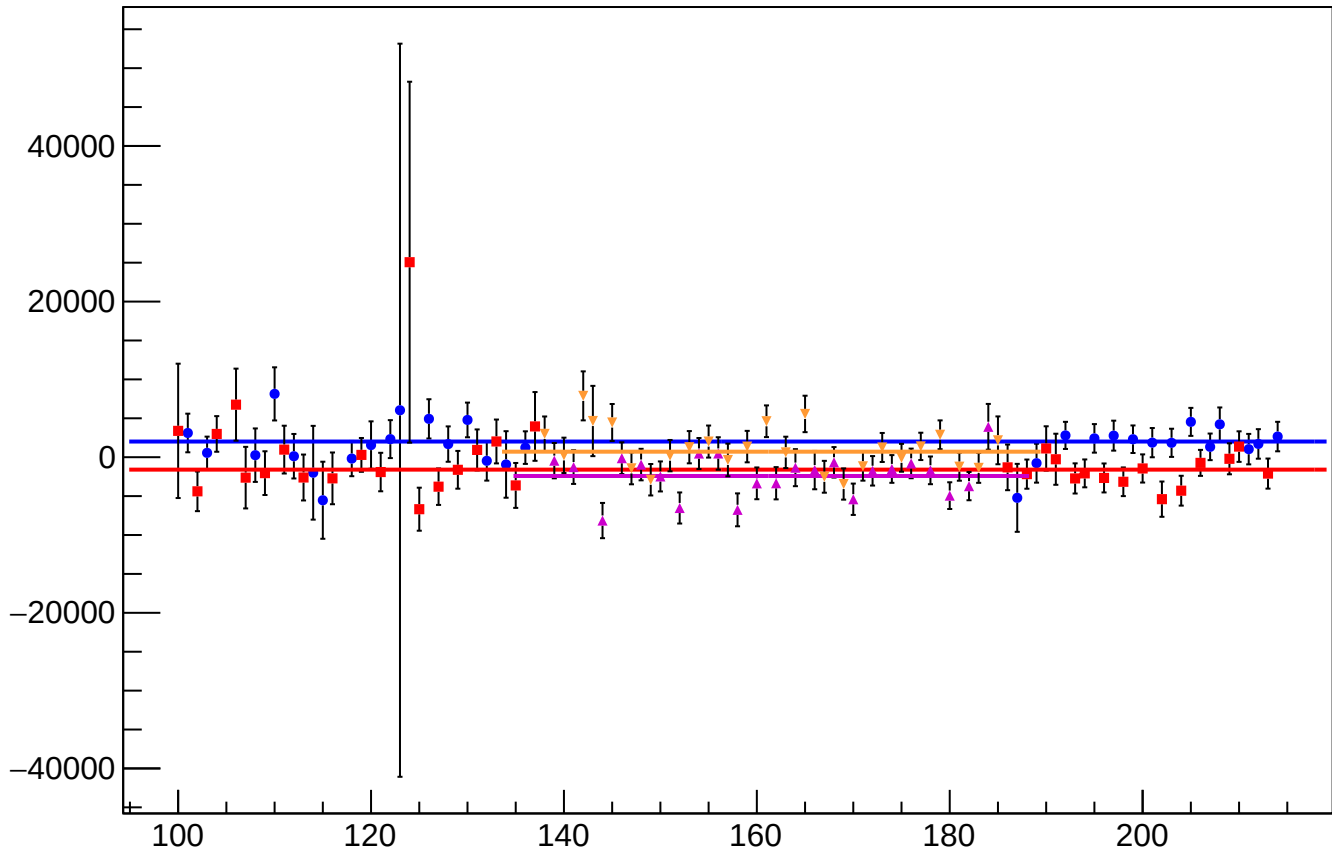
Left In: 9598.531+/-1.654 χ^2/NDF : 1082171.6/22

+ sign 9999.891+/-1.234 χ^2/NDF : 3993091.7/55

All: 9784.278+/-0.863 χ^2/NDF : 9711704.9/11

- sign 9578.050+/-1.207 χ^2/NDF : 5658871.6/56

reg_asym_atl_avg_mean vs Slug



Right In: 2013.767 $\pm$ 411.323 χ^2 /NDF: 20.8/30

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

Right Out: -1597.301 $\pm$ 411.912 χ^2 /NDF: 31.4/33

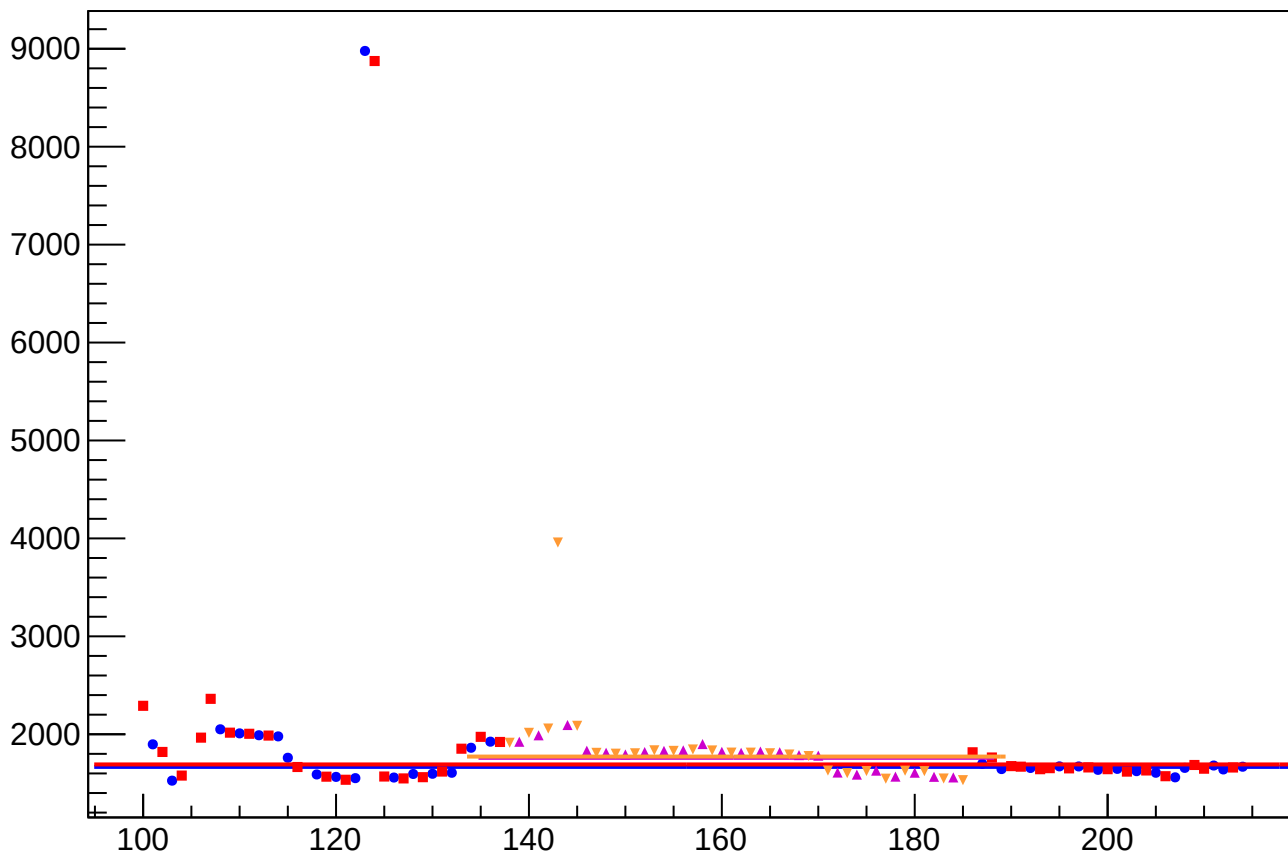
Left In: -2414.749 $\pm$ 423.472 χ^2 /NDF: 34.0/22

+ sign 1371.271 $\pm$ 292.966 χ^2 /NDF: 60.6/55

All: -298.552 $\pm$ 207.967 χ^2 /NDF: 193.3/112

- sign -1994.716 $\pm$ 295.268 χ^2 /NDF: 67.3/56

reg_asym_atl_avg_rms vs Slug



Right In: 1666.811 $\pm$ 0.291 χ^2 /NDF: 216215.4/30

Left Out: 1772.046 $\pm$ 0.295 χ^2 /NDF: 702472.4/24

Right Out: 1691.877 $\pm$ 0.291 χ^2 /NDF: 438150.0/33

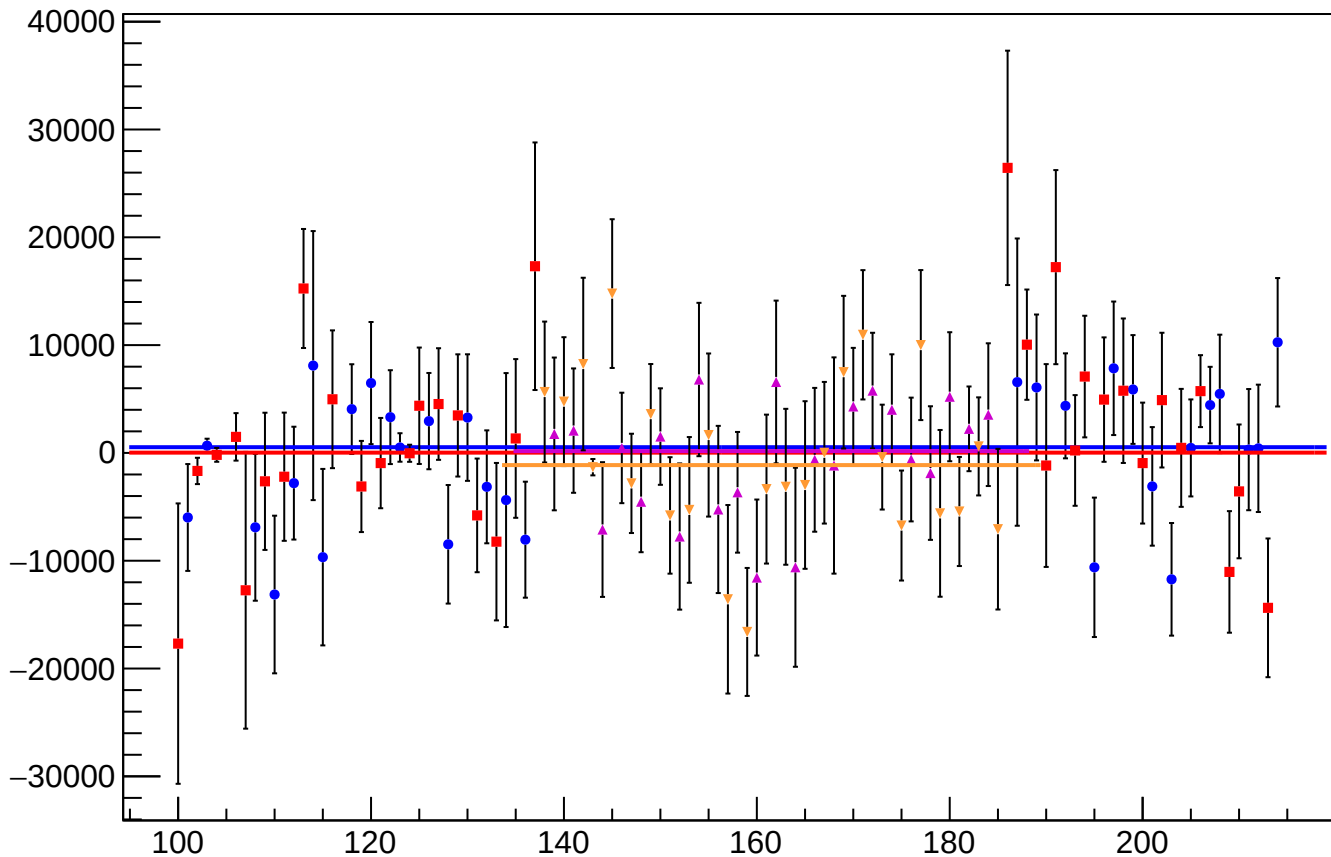
Left In: 1759.600 $\pm$ 0.299 χ^2 /NDF: 214891.5/22

+ sign 1718.660 $\pm$ 0.207 χ^2 /NDF: 983187.8/55

All: 1721.681 $\pm$ 0.147 χ^2 /NDF: 1662983.7/11

- sign 1724.744 $\pm$ 0.209 χ^2 /NDF: 679367.6/56

asym_atl_avg_correction_mean vs Slug



Right In: 530.954 $\pm$ 506.366 χ^2 /NDF: 35.1/30

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

Right Out: 26.592 $\pm$ 416.258 χ^2 /NDF: 50.2/33

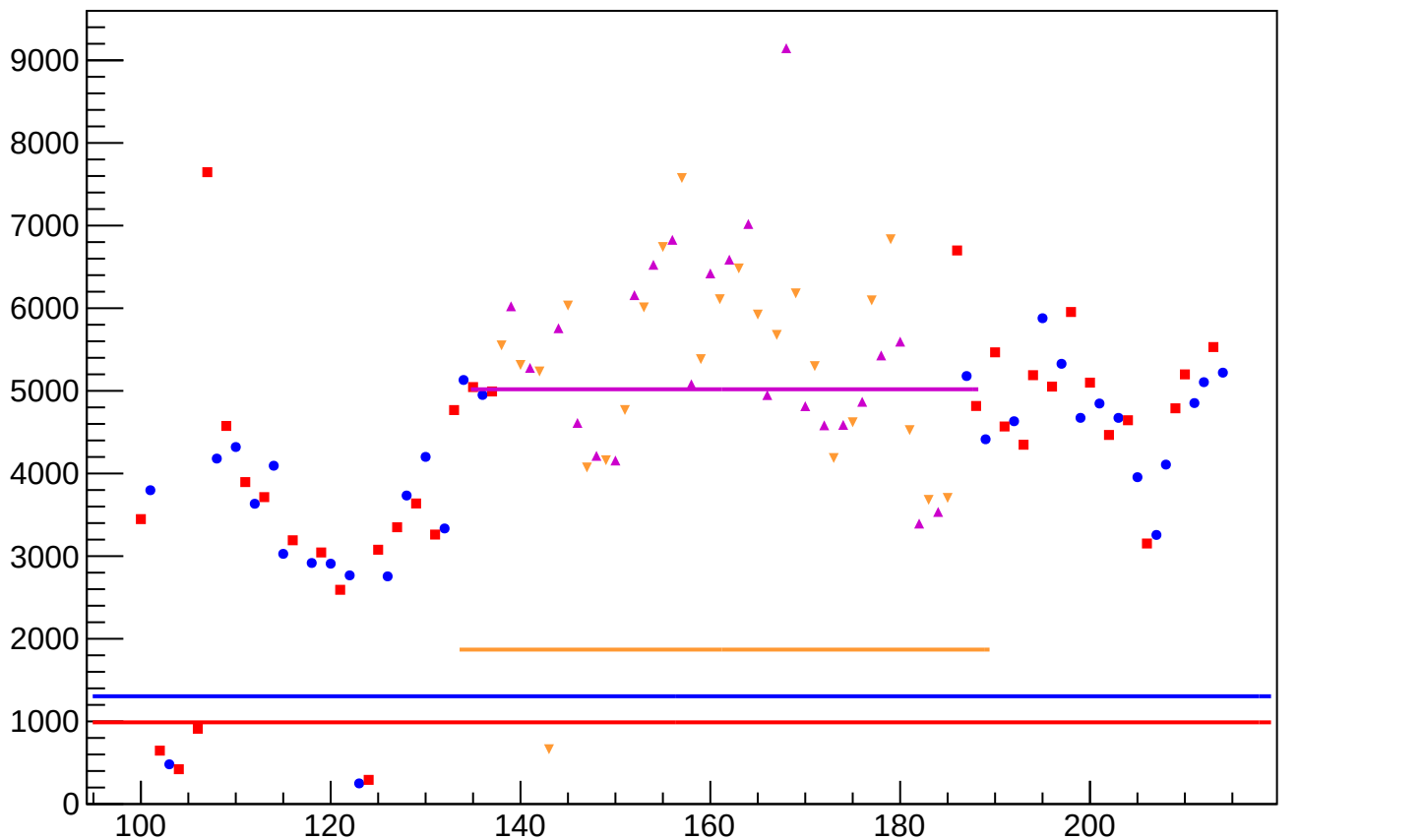
Left In: 168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

+ sign -99.165 $\pm$ 398.900 χ^2 /NDF: 70.6/55

All: -28.236 $\pm$ 280.450 χ^2 /NDF: 135.1/112

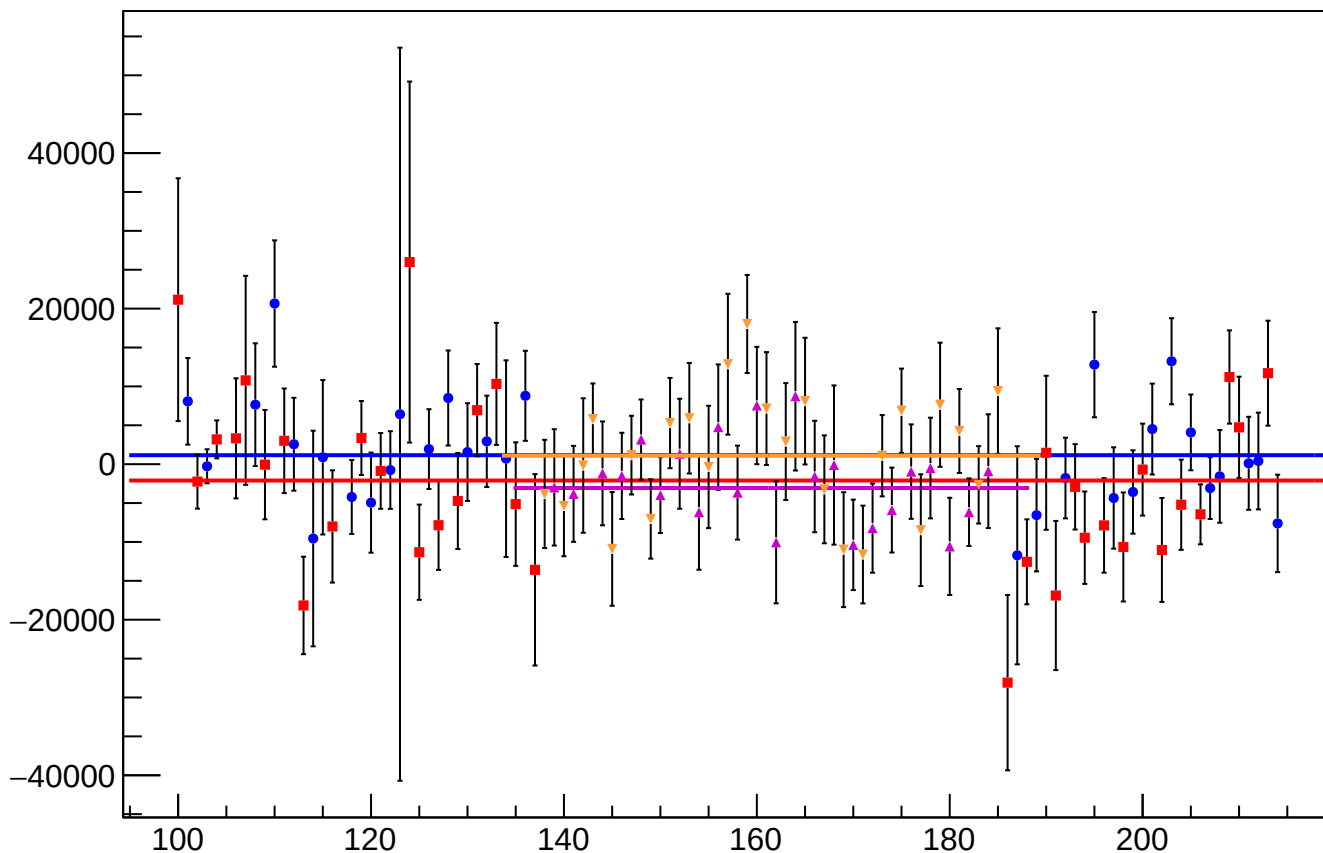
- sign 41.091 $\pm$ 394.370 χ^2 /NDF: 64.4/56

asym_atl_avg_correction_rms vs Slug



Right In: 1304.439+/-0.358	χ^2/NDF : 19725887.8/30	+ sign 1518.636+/-0.282	χ^2/NDF : 40521525.1/55
Left Out: 1868.983+/-0.458	χ^2/NDF : 19852416.6/24	All: 1459.436+/-0.198	χ^2/NDF : 83515620.9/1
Right Out: 988.880+/-0.294	χ^2/NDF : 22139677.9/33	- sign 1401.573+/-0.279	χ^2/NDF : 42906991.2/56
Left In: 5019.114+/-0.871	χ^2/NDF : 1569031.9/22		

asym_atl_avg_mean vs Slug



Right In: 1153.937 $\pm$ 1001.891 χ^2 /NDF: 30.3/30

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

Right Out: -2100.107 $\pm$ 1002.365 χ^2 /NDF: 57.4/33

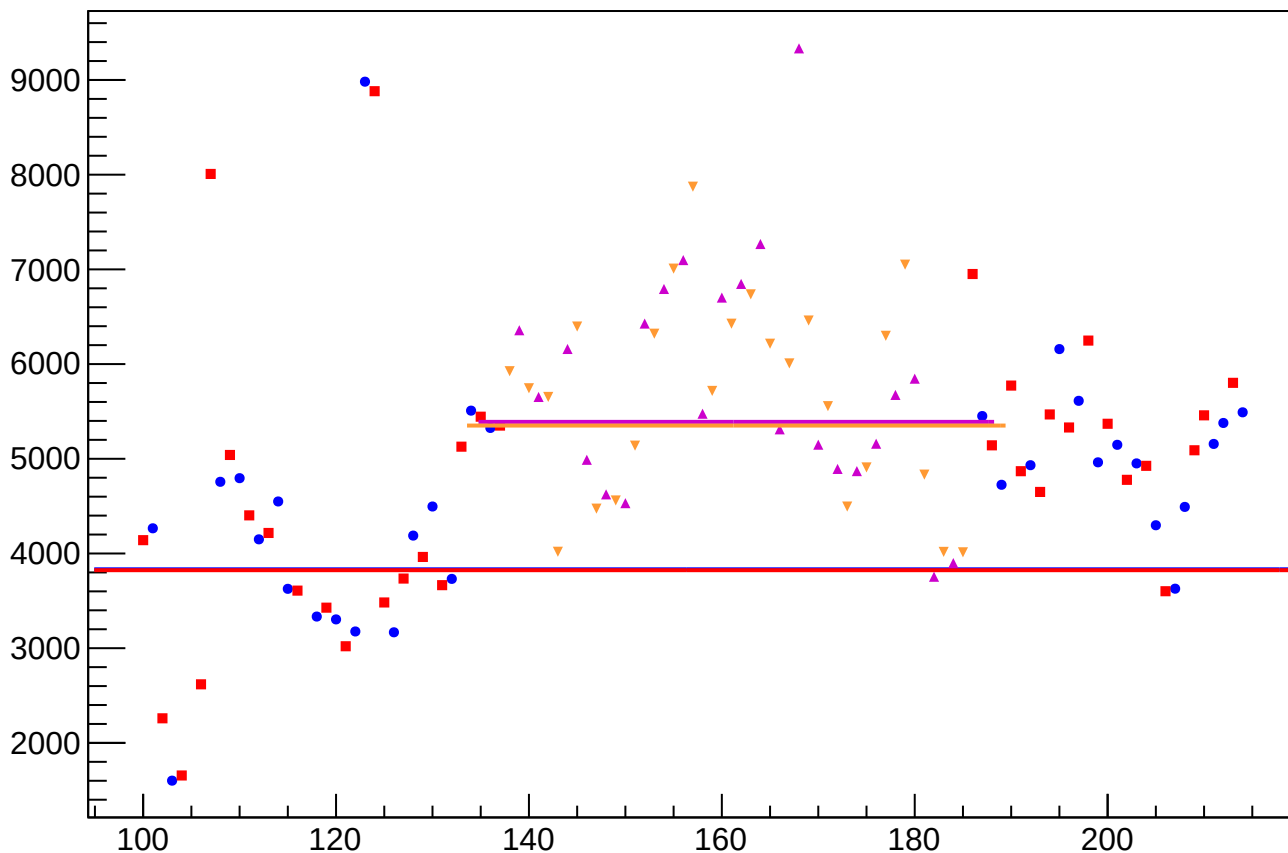
Left In: -3064.775 $\pm$ 1318.173 χ^2 /NDF:12.6/22

+ sign 1131.135 $\pm$ 787.328 χ^2 /NDF: 62.2/55

All: -637.335 $\pm$ 560.420 χ^2 /NDF: 142.8/112

- sign -2453.544 $\pm$ 797.884 χ^2 /NDF: 70.4/56

asym_atl_avg_rms vs Slug



Right In: 3832.840+/-0.708 χ^2/NDF : 3697800.5/30

Left Out: 5350.804+/-0.900 χ^2/NDF :1241497.9/24

Right Out: 3823.701+/-0.702 χ^2/NDF : 4279717.5/33

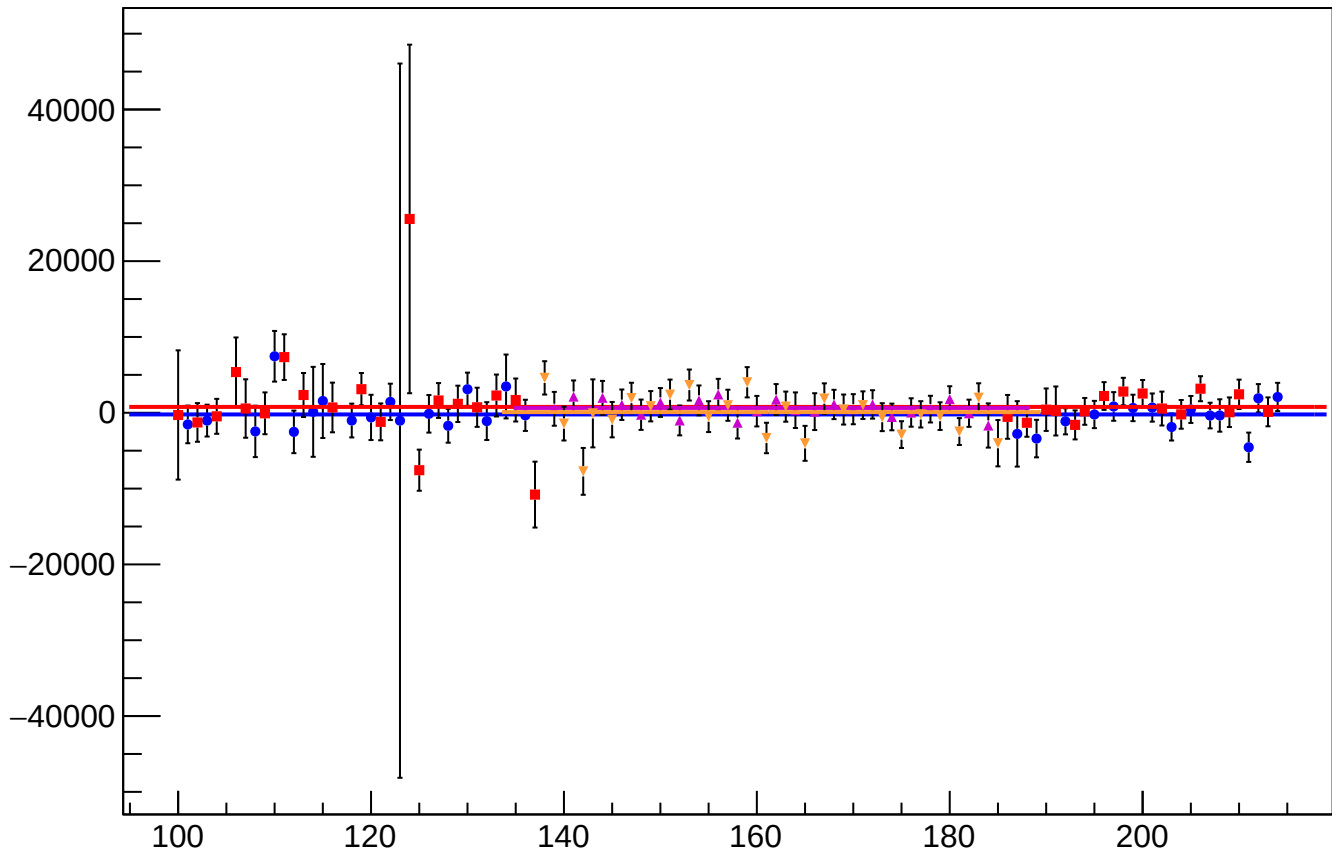
Left In: 5389.724+/-0.932 χ^2/NDF :1309863.0/22

+ sign 4413.387+/-0.557 χ^2/NDF : 6695160.4/55

All: 4402.280+/-0.395 χ^2/NDF : 14085775.4/100

- sign 4391.000+/-0.561 χ^2/NDF : 7389812.6/56

reg_asym_atl_dd_mean vs Slug



Right In: -219.075 ± 405.584 χ^2/NDF : 23.1/30

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

Right Out: 772.357 ± 405.923 χ^2/NDF : 36.6/33

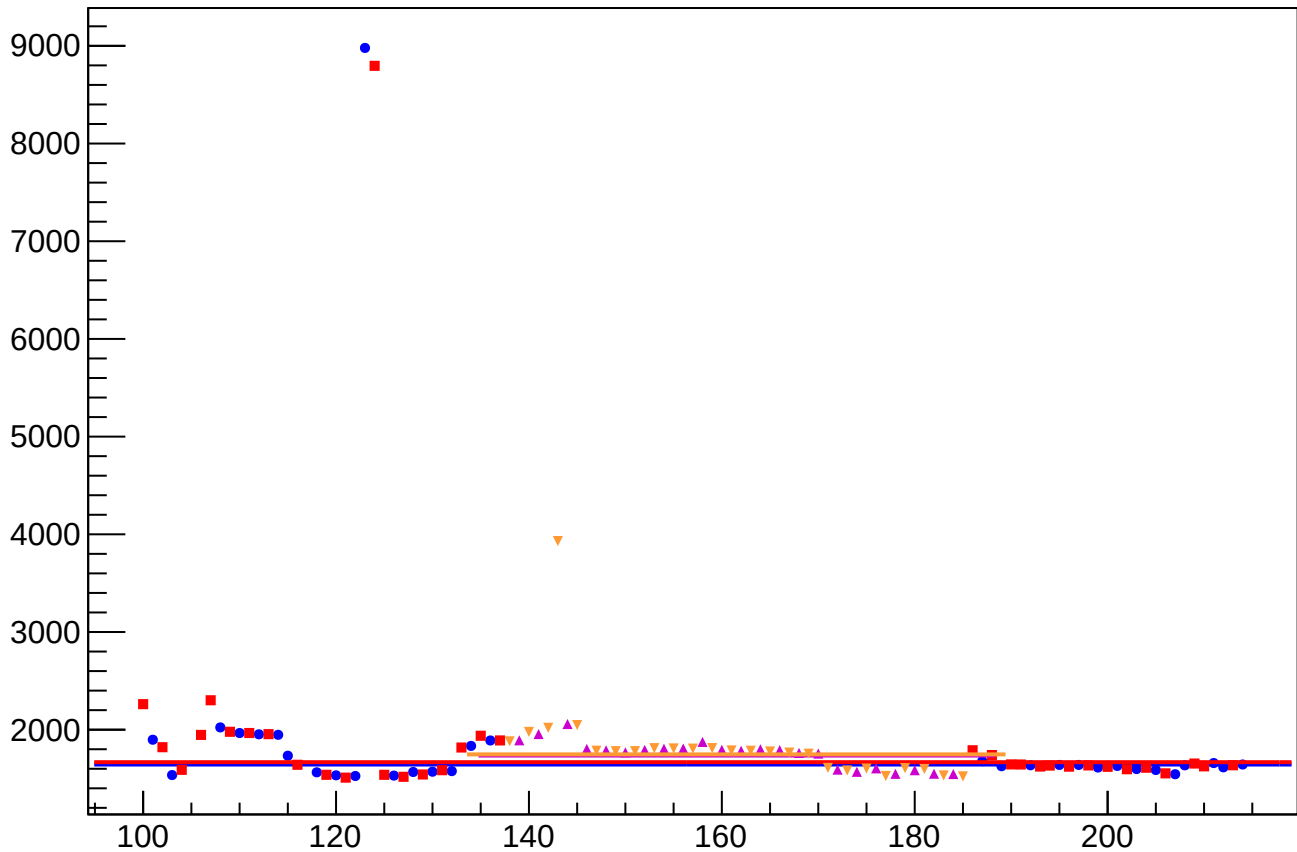
Left In: 640.235 ± 417.645 χ^2/NDF : 6.2/22

+ sign -68.651 ± 288.871 χ^2/NDF : 59.4/55

All: 316.794 ± 205.041 χ^2/NDF : 105.9/112

- sign 708.176 ± 291.087 χ^2/NDF : 42.9/56

reg_asym_atl_dd_rms vs Slug



Right In: 1643.618 $\pm$ 0.287 χ^2 /NDF: 213568.5/30

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

Right Out: 1667.512 $\pm$ 0.287 χ^2 /NDF: 433910.5/33

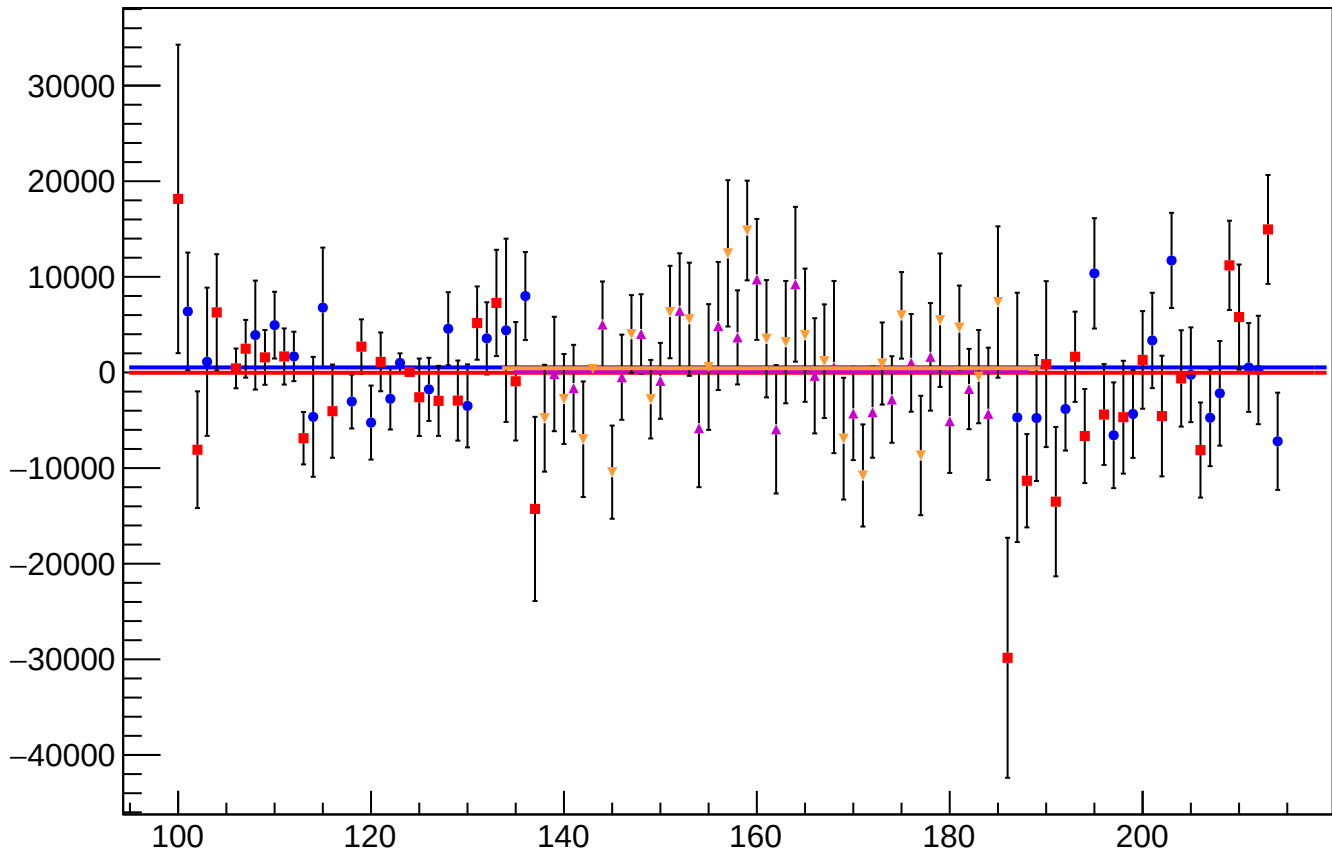
Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

+ sign 1694.714 $\pm$ 0.204 χ^2 /NDF: 976185.3/55

All: 1697.589 $\pm$ 0.145 χ^2 /NDF: 1644591.6/11

- sign 1700.502 $\pm$ 0.206 χ^2 /NDF: 668007.5/56

asym_atl_dd_correction_mean vs Slug



Right In: 528.125 $\pm$ 632.013 χ^2 /NDF: 32.3/30

Left Out: 442.187 $\pm$ 440.335 χ^2 /NDF: 33.9/24

Right Out: -29.628 $\pm$ 346.794 χ^2 /NDF: 55.1/33

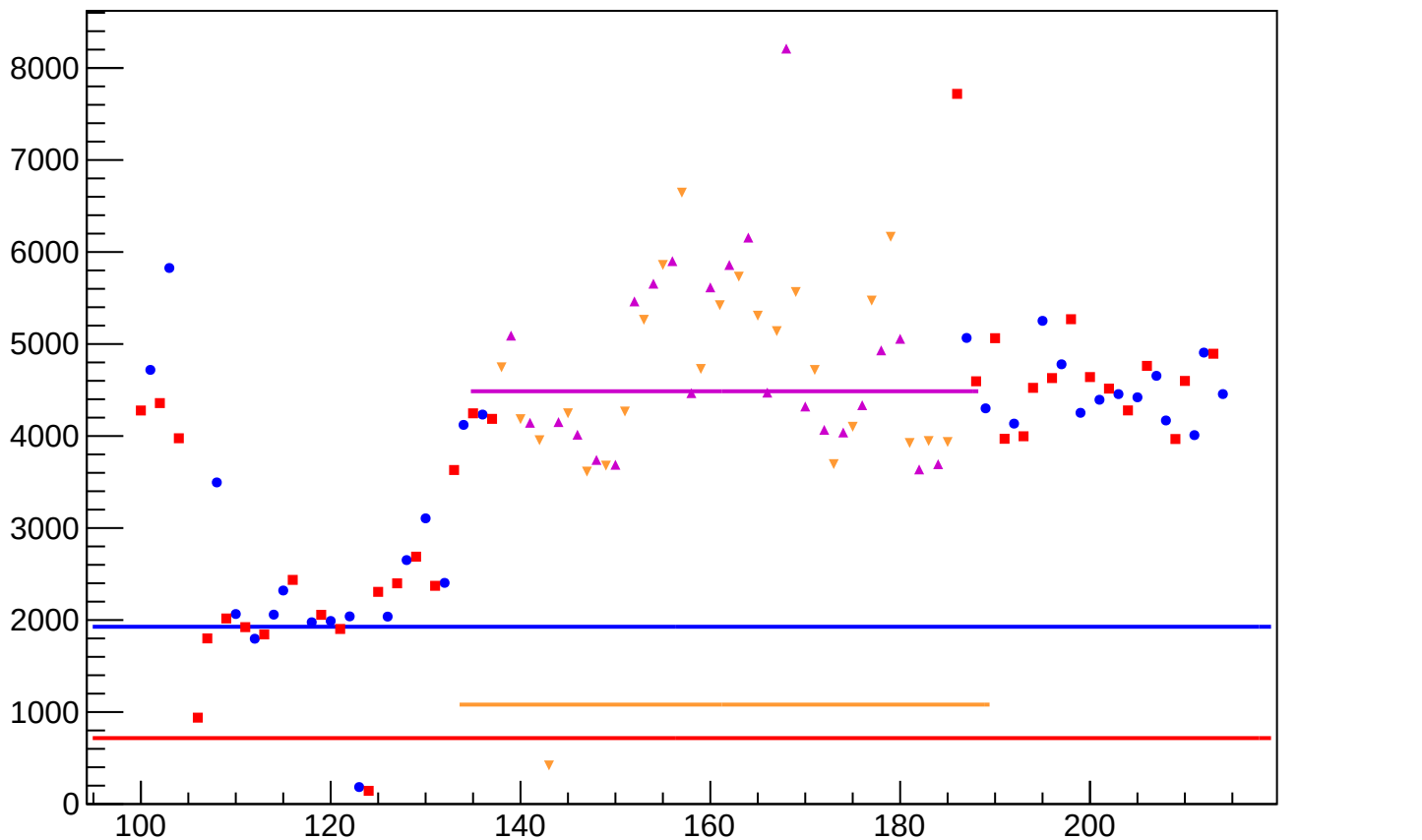
Left In: 88.508 $\pm$ 1094.838 χ^2 /NDF: 13.4/22

+ sign 470.271 $\pm$ 361.292 χ^2 /NDF: 66.2/55

All: 204.056 $\pm$ 243.902 χ^2 /NDF: 135.7/112

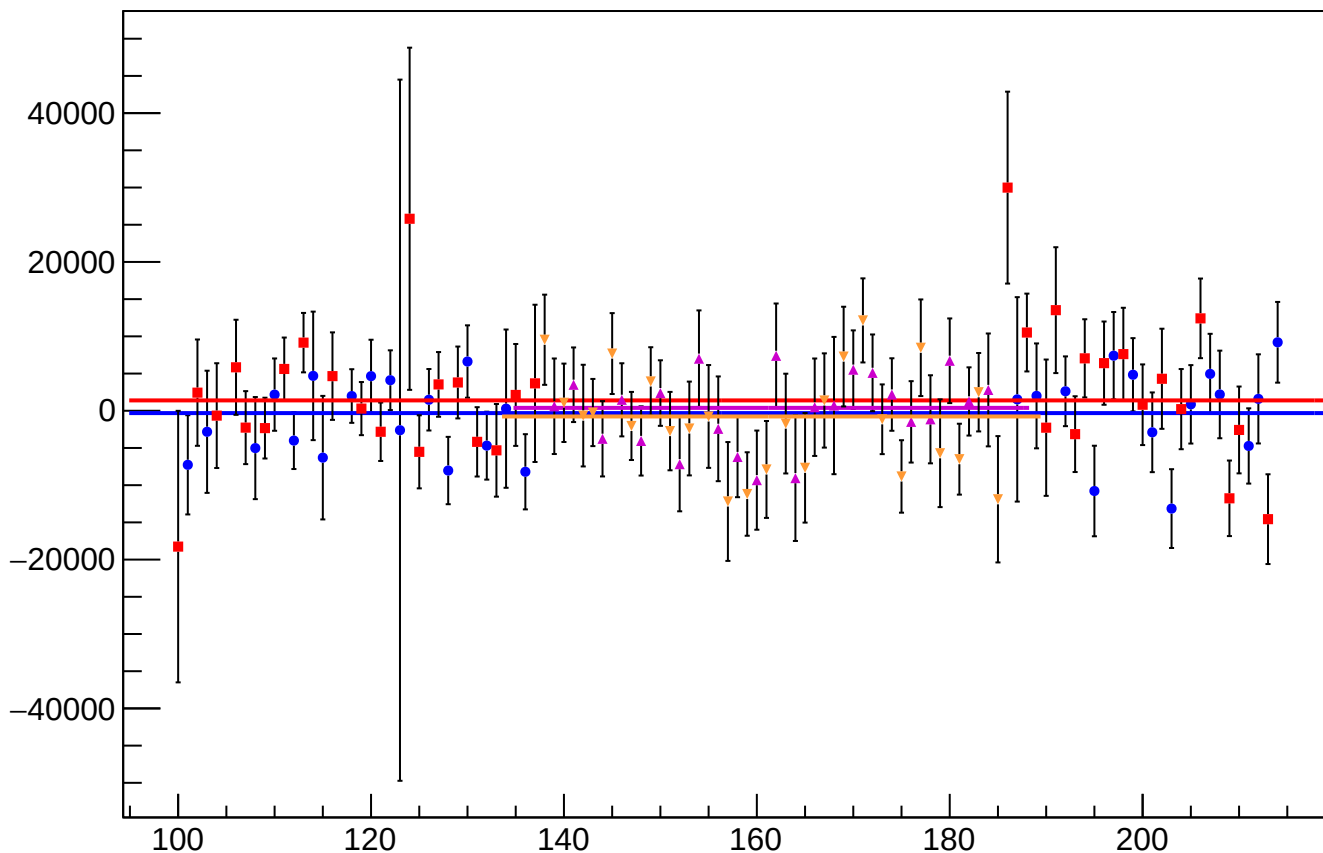
- sign -18.856 $\pm$ 330.605 χ^2 /NDF: 68.5/56

asym_atl_dd_correction_rms vs Slug



Right In: 1927.026+/-0.447	χ^2/NDF : 14588037.8/30	+ sign 1357.473+/-0.255	χ^2/NDF : 41456928.2/55
Left Out: 1081.004+/-0.311	χ^2/NDF : 24456244.2/24	All: 1195.826+/-0.172	χ^2/NDF : 90382242.8/100
Right Out: 716.720+/-0.245	χ^2/NDF : 25457778.5/33	- sign 1060.471+/-0.234	χ^2/NDF : 48189714.4/56
Left In: 4486.570+/-0.774	χ^2/NDF : 1181598.1/22		

asym_atl_dd_mean vs Slug



Right In: -312.658 ± 969.716 χ^2/NDF : 32.4/30

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

Right Out: 1392.943 ± 943.463 χ^2/NDF : 48.3/33

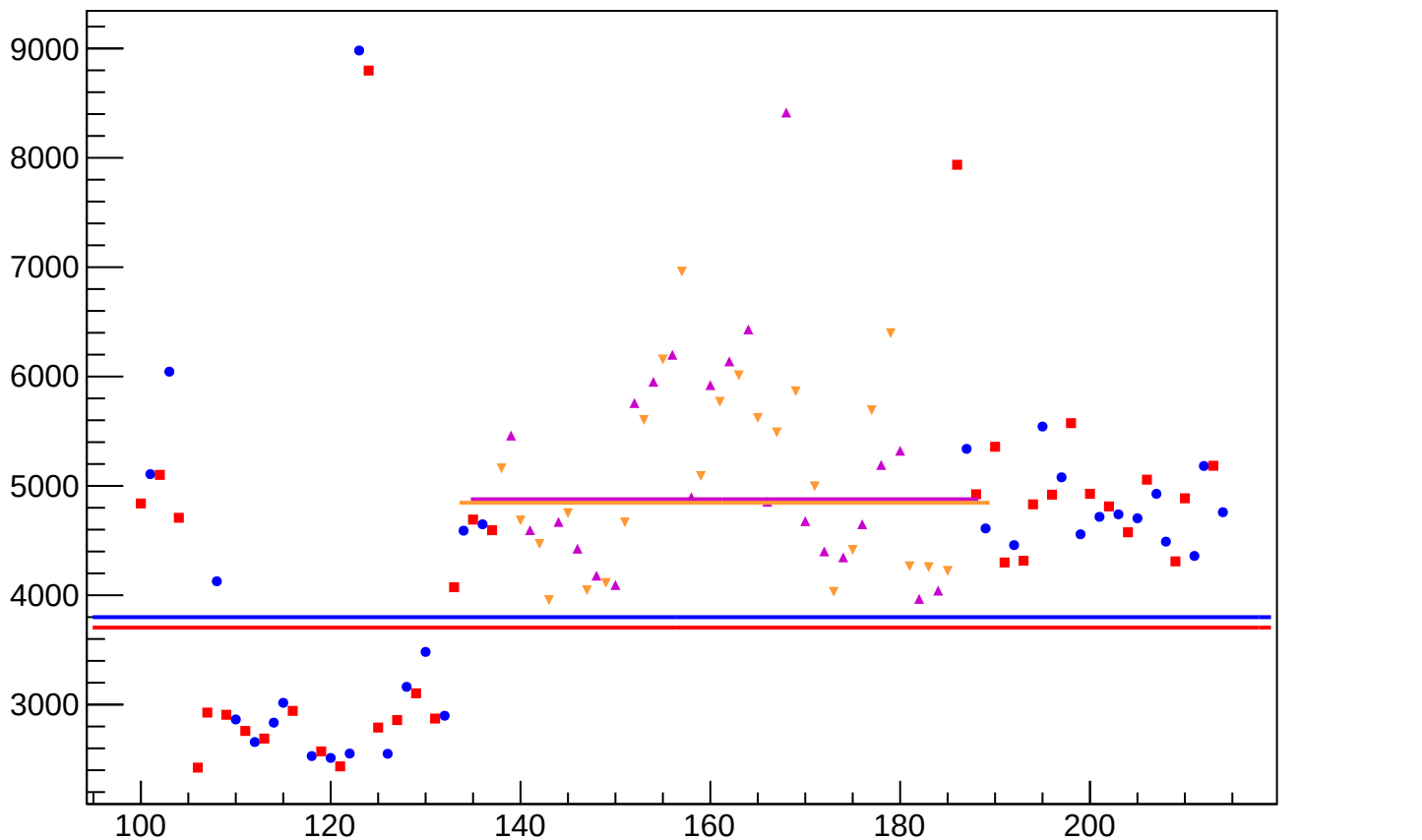
Left In: 388.944 ± 1186.300 χ^2/NDF : 14.2/22

+ sign -501.556 ± 740.630 χ^2/NDF : 62.4/55

All: 253.456 ± 522.918 χ^2/NDF : 127.4/112

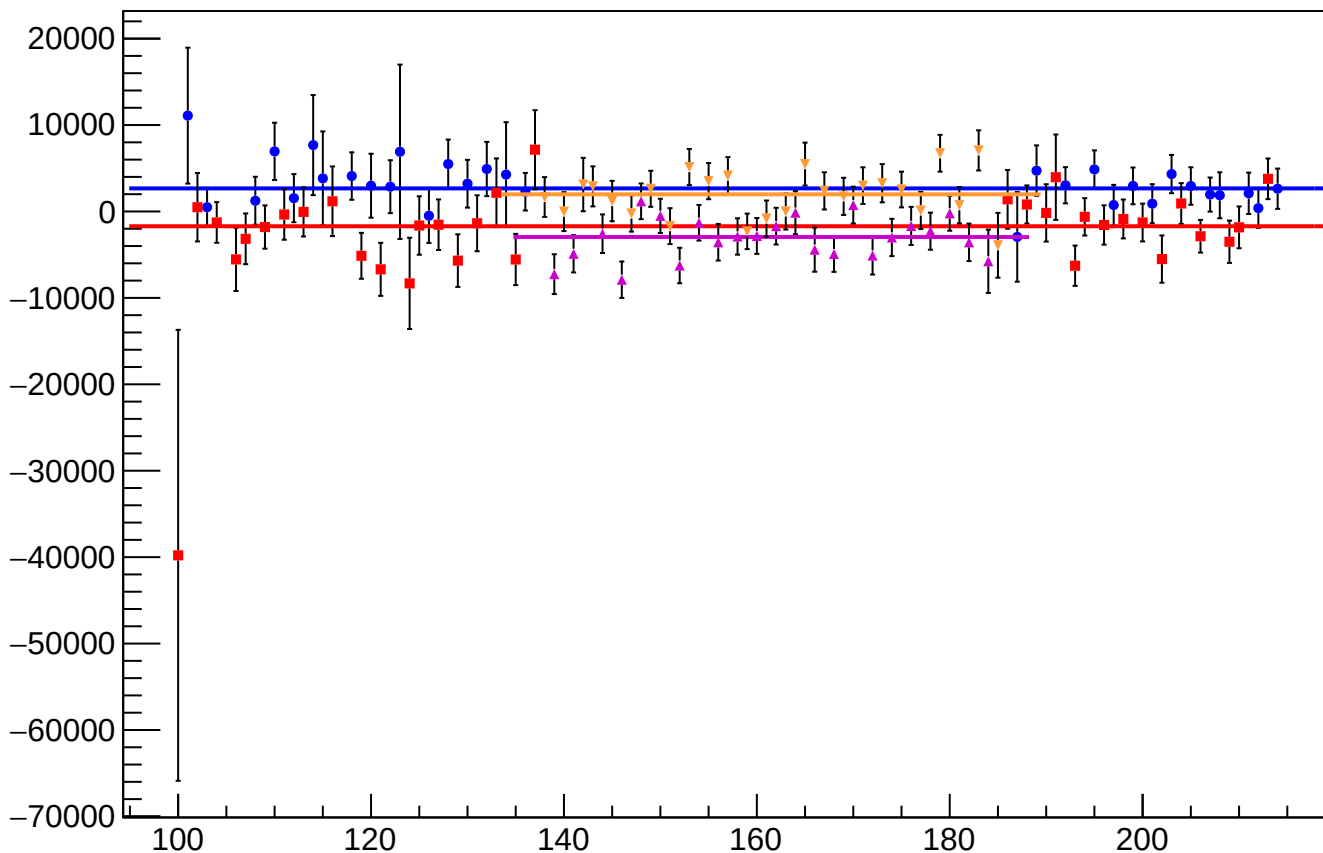
- sign 1003.951 ± 738.411 χ^2/NDF : 62.9/56

asym_atl_dd_rms vs Slug



Right In: 3799.569+/-0.686	χ^2/NDF : 2394646.5/30	+ sign 4235.494+/-0.524	χ^2/NDF : 4273824.2/55
Left Out: 4845.779+/-0.811	χ^2/NDF : 909173.9/24	All: 4194.647+/-0.369	χ^2/NDF : 9276228.3/11
Right Out: 3704.298+/-0.662	χ^2/NDF : 2826265.1/33	- sign 4154.437+/-0.520	χ^2/NDF : 4990332.2/56
Left In: 4877.456+/-0.839	χ^2/NDF : 958623.2/22		

reg_asym_atr_avg_mean vs Slug



Right In: 2669.604 ± 487.433 χ^2/NDF : 14.0/30

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

Right Out: -1708.868 ± 479.557 χ^2/NDF : 36.4/33

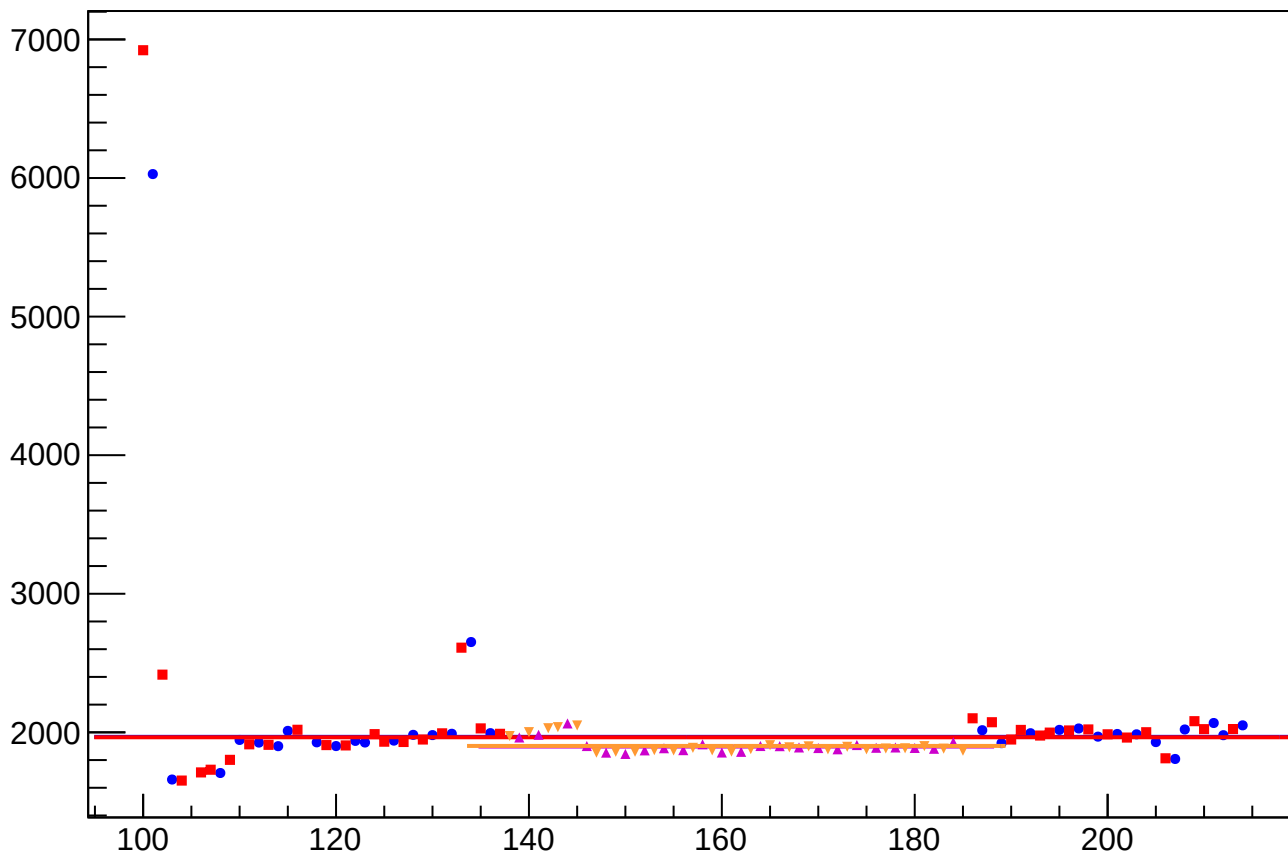
Left In: -2955.900 ± 454.551 χ^2/NDF : 28.4/22

+ sign 2295.085 ± 327.911 χ^2/NDF : 47.5/55

All: -21.220 ± 232.569 χ^2/NDF : 216.3/112

- sign -2365.744 ± 329.902 χ^2/NDF : 68.4/56

reg_asym_atr_avg_rms vs Slug



Right In: 1967.481+/-0.345 χ^2/NDF : 642430.7/30

Left Out: 1901.884+/-0.313 χ^2/NDF : 30446.9/24

Right Out: 1964.394+/-0.339 χ^2/NDF : 255016.2/33

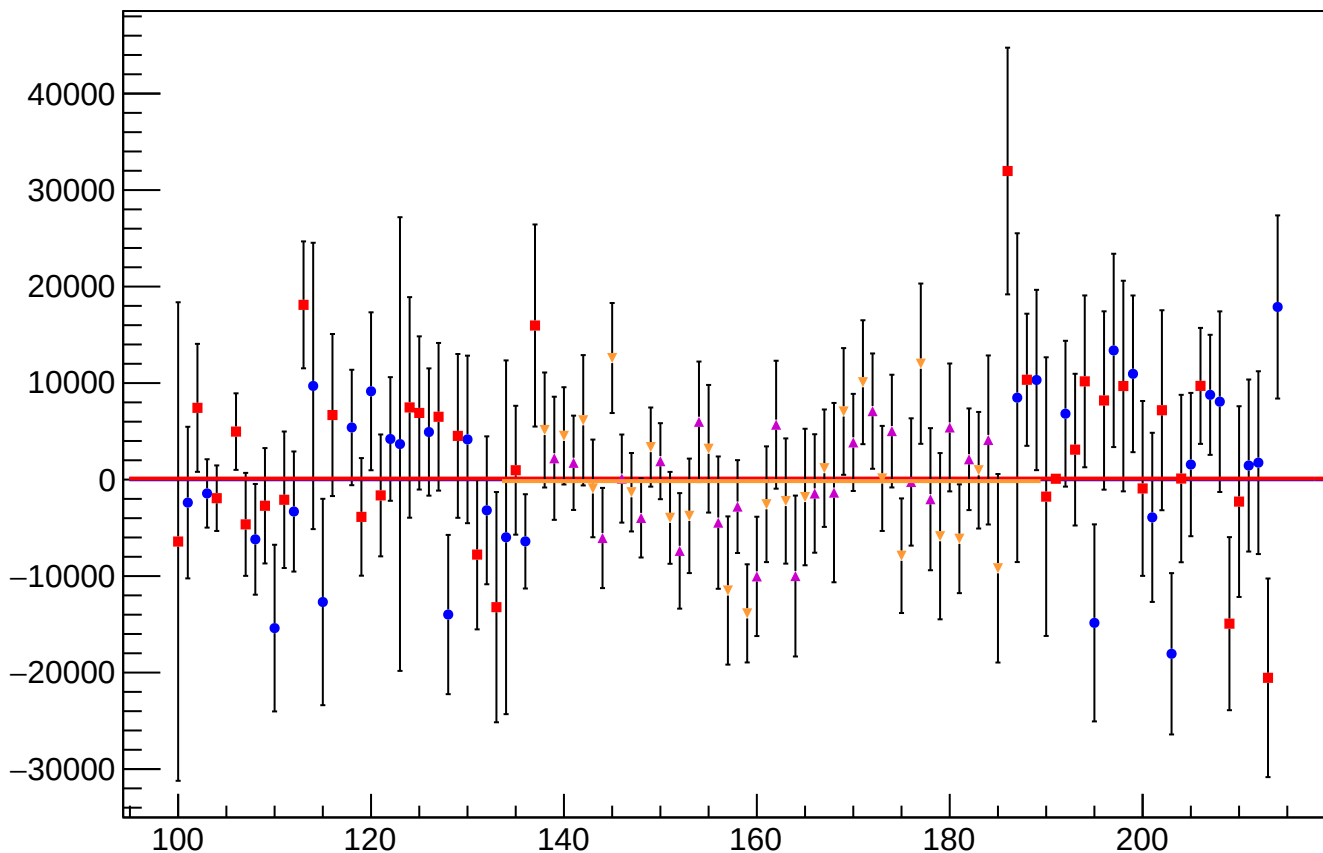
Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

+ sign 1931.571+/-0.232 χ^2/NDF : 692706.9/55

All: 1930.376+/-0.164 χ^2/NDF : 989503.7/112

- sign 1929.167+/-0.233 χ^2/NDF : 296743.3/56

asym_atr_avg_correction_mean vs Slug



Right In: 34.047 ± 1354.038 $\chi^2/\text{NDF}: 34.2/30$

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

Right Out: 101.200 ± 109.530 $\chi^2/\text{NDF}: 41.0/33$

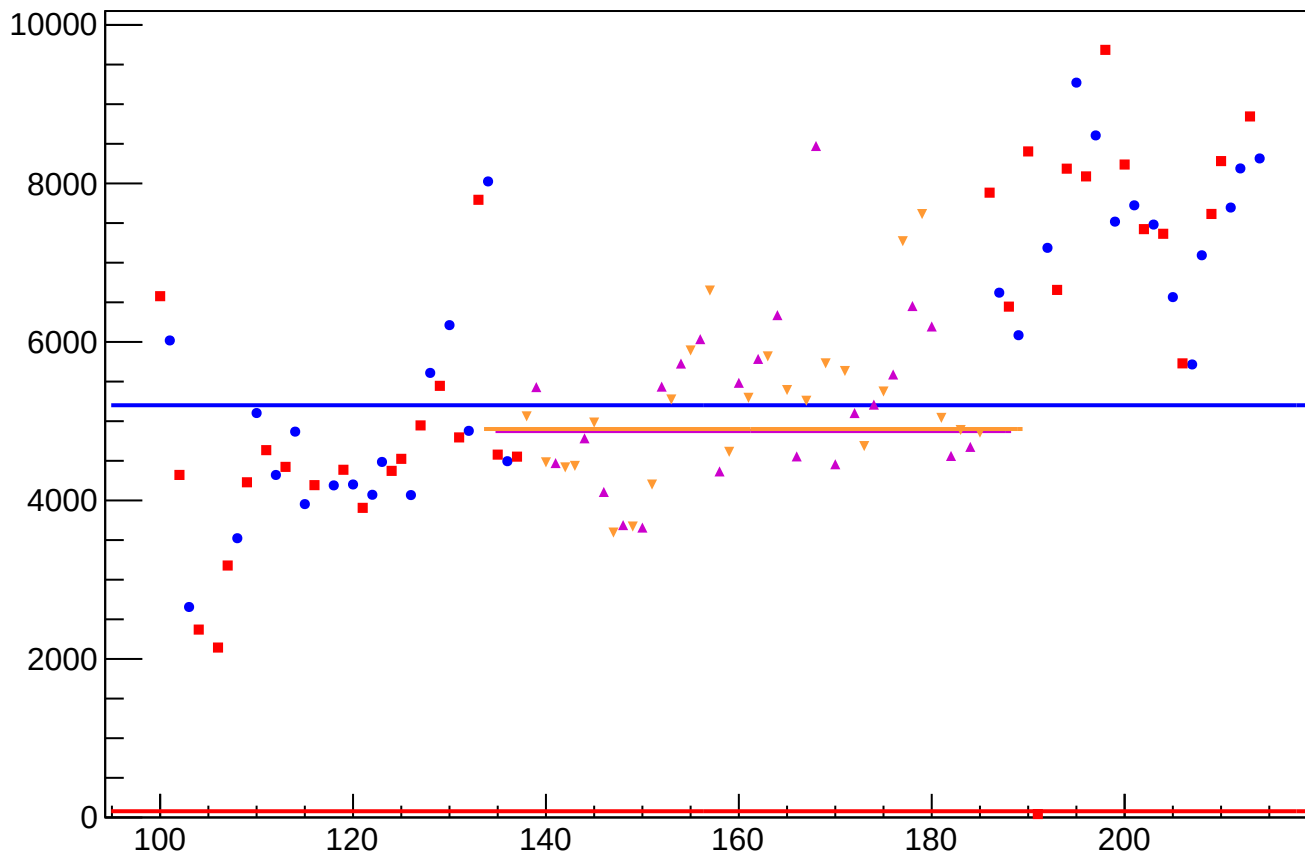
Left In: -139.000 ± 1190.889 $\chi^2/\text{NDF}: 14.7/22$

+ sign -75.975 ± 883.483 $\chi^2/\text{NDF}: 63.7/55$

All: 96.555 ± 108.248 $\chi^2/\text{NDF}: 119.4/112$

- sign 99.185 ± 109.070 $\chi^2/\text{NDF}: 55.7/56$

asym_atr_avg_correction_rms vs Slug



Right In: 5201.265+/-0.957 χ^2/NDF : 3559180.3/30

Left Out: 4901.357+/-0.824 χ^2/NDF :1136916.0/24

Right Out: 78.500+/-0.077 χ^2/NDF : 32848518.0/33

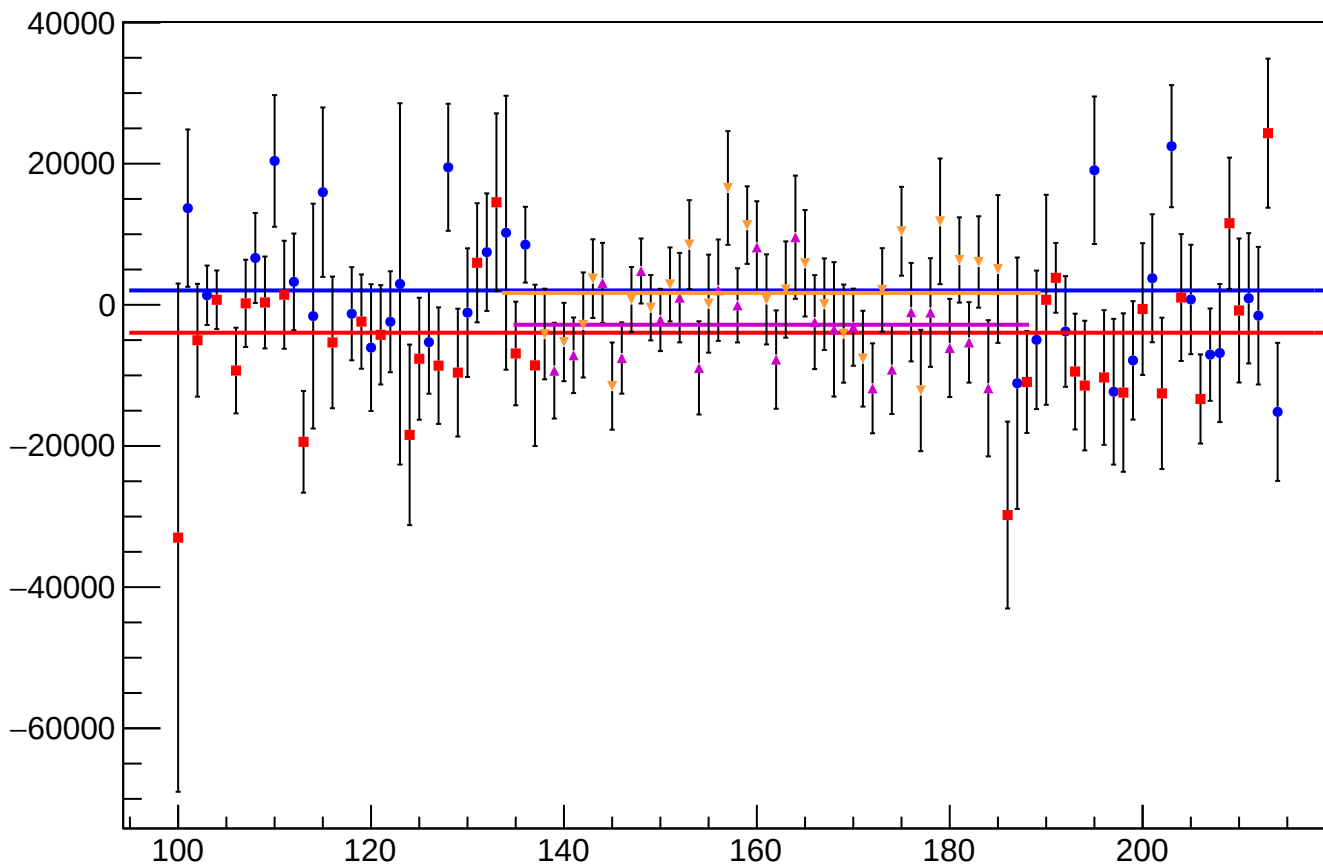
Left In: 4875.112+/-0.842 χ^2/NDF :1229198.0/22

+ sign 5029.037+/-0.625 χ^2/NDF : 4752441.9/55

All: 192.449+/-0.077 χ^2/NDF : 131856462.6/1

- sign 118.734+/-0.077 χ^2/NDF : 66251203.1/56

asym_atr_avg_mean vs Slug



Right In: 2036.334+/-1482.031 χ^2/NDF : 34.6/30

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

Right Out: -3956.705+/-1362.712 χ^2/NDF : 37.6/33

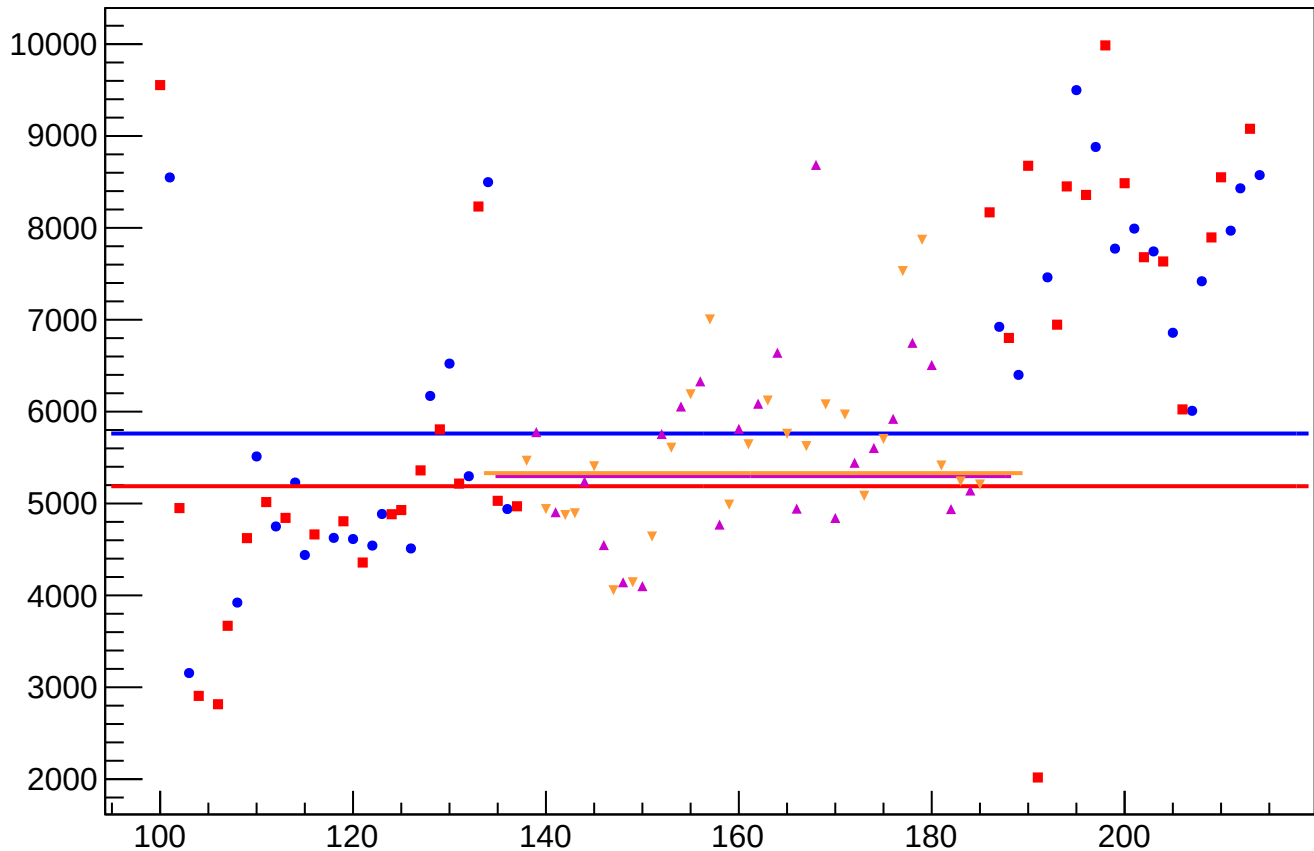
Left In: -2824.078+/-1288.414 χ^2/NDF : 18.0/22

+ sign 1833.515+/-960.685 χ^2/NDF : 60.0/55

All: -829.559+/-670.487 χ^2/NDF : 130.9/112

- sign -3358.675+/-936.211 χ^2/NDF : 56.0/56

asym_atr_avg_rms vs Slug



Right In: 5761.704+/-1.048 χ^2/NDF : 2872203.3/30

Left Out: 5330.725+/-0.892 χ^2/NDF : 868061.7/24

Right Out: 5188.254+/-0.960 χ^2/NDF : 4562966.8/33

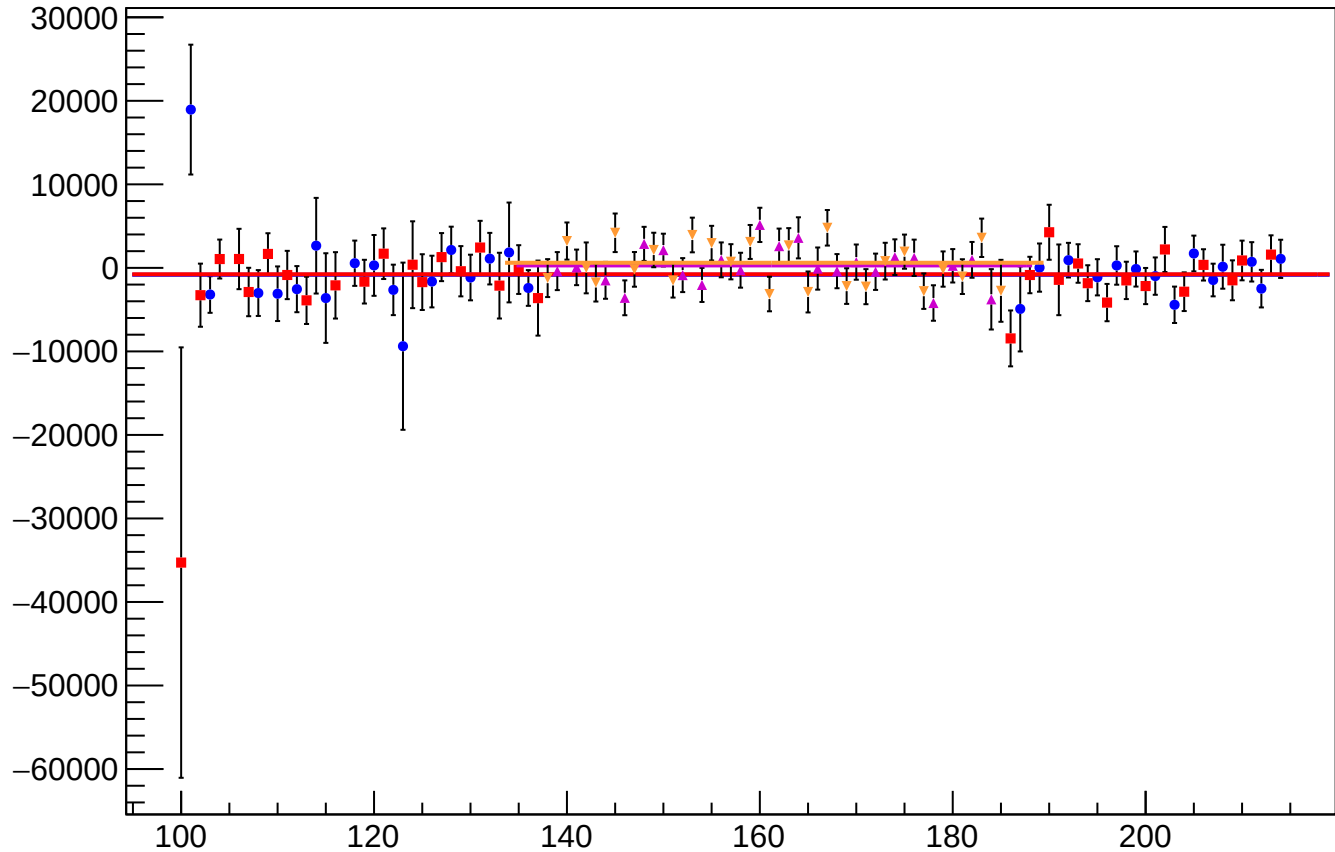
Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

+ sign 5511.819+/-0.679 χ^2/NDF : 3838329.6/55

All: 5375.343+/-0.474 χ^2/NDF : 9442798.5/11

- sign 5246.176+/-0.661 χ^2/NDF : 5525905.1/56

reg_asym_atr_dd_mean vs Slug



Right In: -826.136 ± 481.053 χ^2/NDF : 21.4/30

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

Right Out: -766.910 ± 472.534 χ^2/NDF : 23.9/33

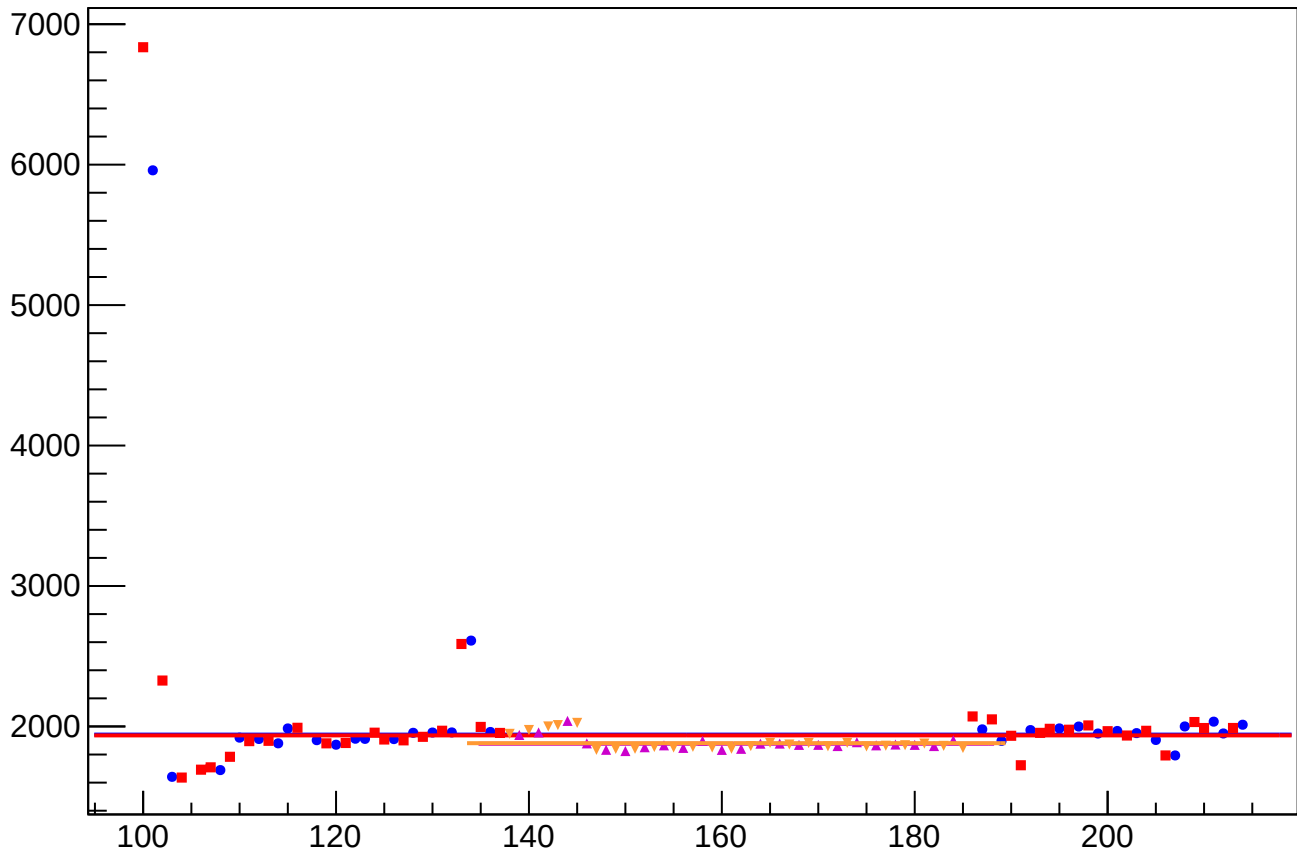
Left In: 293.009 ± 449.575 χ^2/NDF : 23.6/22

+ sign -40.104 ± 323.973 χ^2/NDF : 59.0/55

All: -124.885 ± 229.696 χ^2/NDF : 109.4/112

- sign -210.577 ± 325.712 χ^2/NDF : 50.2/56

reg_asym_atr_dd_rms vs Slug



Right In: 1941.919 $\pm$ 0.340 χ^2 /NDF: 638279.0/30

Left Out: 1880.808 $\pm$ 0.310 χ^2 /NDF: 28655.5/24

Right Out: 1936.199 $\pm$ 0.334 χ^2 /NDF: 250984.7/33

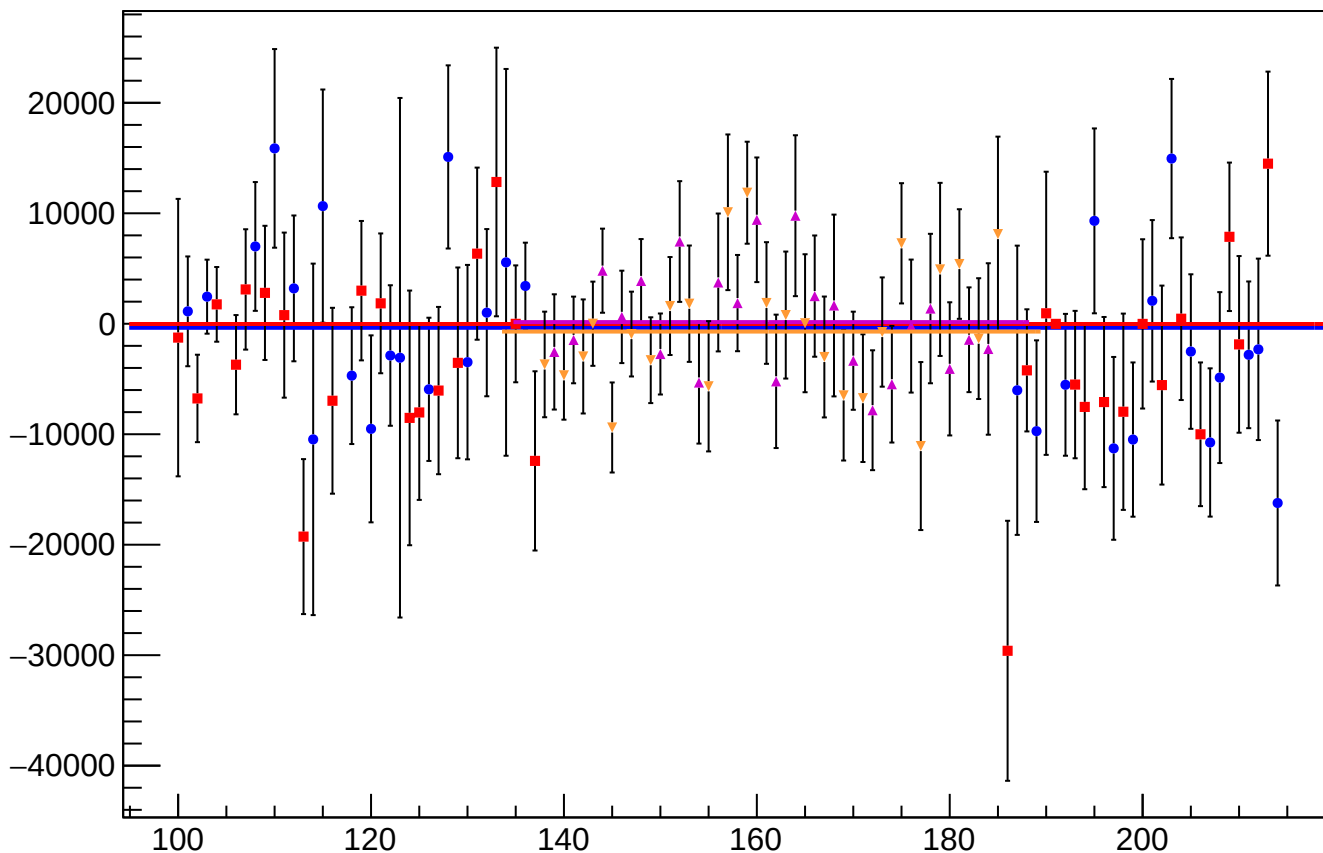
Left In: 1876.685 $\pm$ 0.318 χ^2 /NDF: 20499.7/22

+ sign 1908.525 $\pm$ 0.229 χ^2 /NDF: 684571.5/55

All: 1906.766 $\pm$ 0.162 χ^2 /NDF: 972843.1/112

- sign 1904.989 $\pm$ 0.230 χ^2 /NDF: 288153.1/56

asym_atr_dd_correction_mean vs Slug



Right In: -364.733+/-1232.766 χ^2/NDF : 34.2/30

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

Right Out: -21.960+/-85.780 χ^2/NDF : 36.9/33

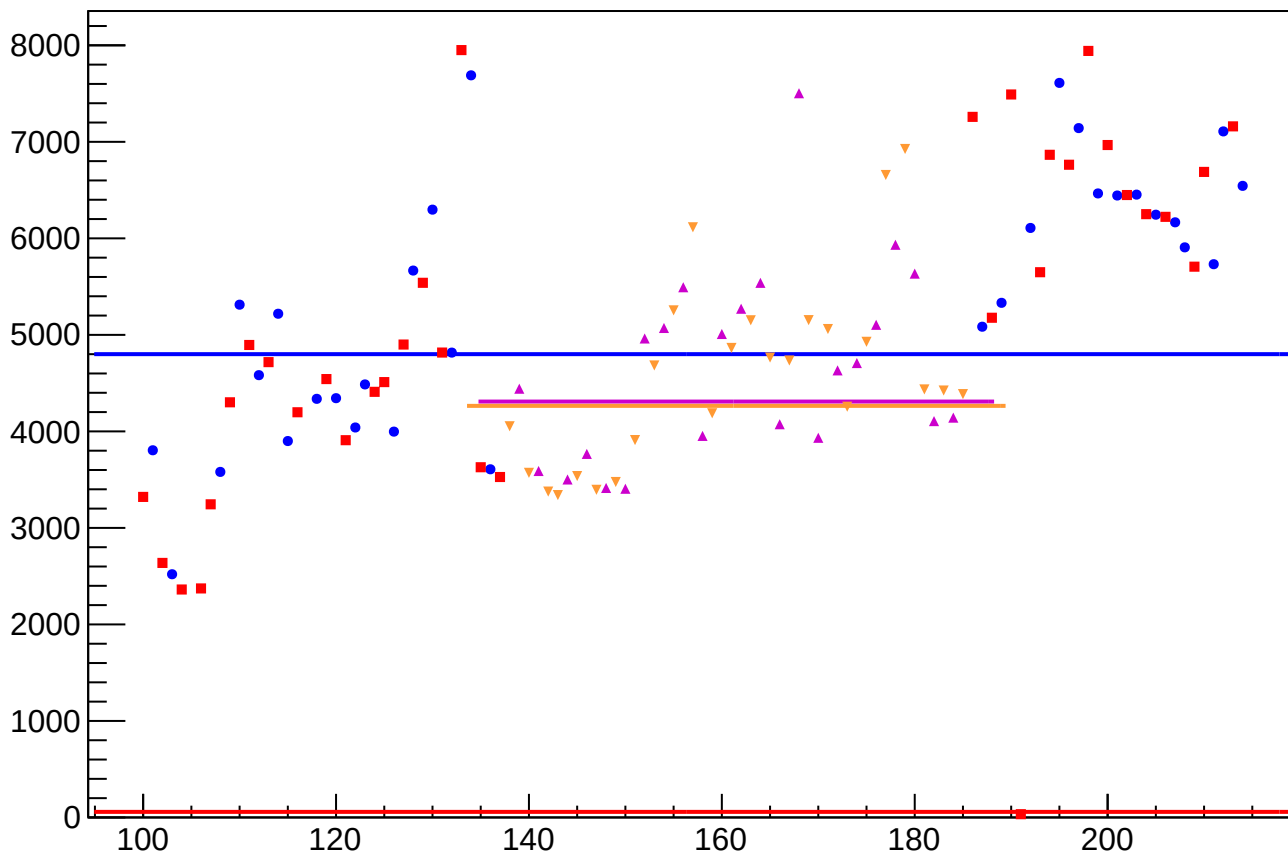
Left In: 150.495+/-1053.655 χ^2/NDF : 16.9/22

+ sign -568.743+/-784.826 χ^2/NDF : 61.3/55

All: -27.250+/-84.994 χ^2/NDF : 115.6/112

- sign -20.824+/-85.497 χ^2/NDF : 53.8/56

asym_atr_dd_correction_rms vs Slug



Right In: 4800.226 $\pm$ 0.872 χ^2 /NDF: 2828934.1/30

Left Out: 4264.433 $\pm$ 0.720 χ^2 /NDF: 1354900.8/24

Right Out: 57.843 $\pm$ 0.061 χ^2 /NDF: 33020920.4/33

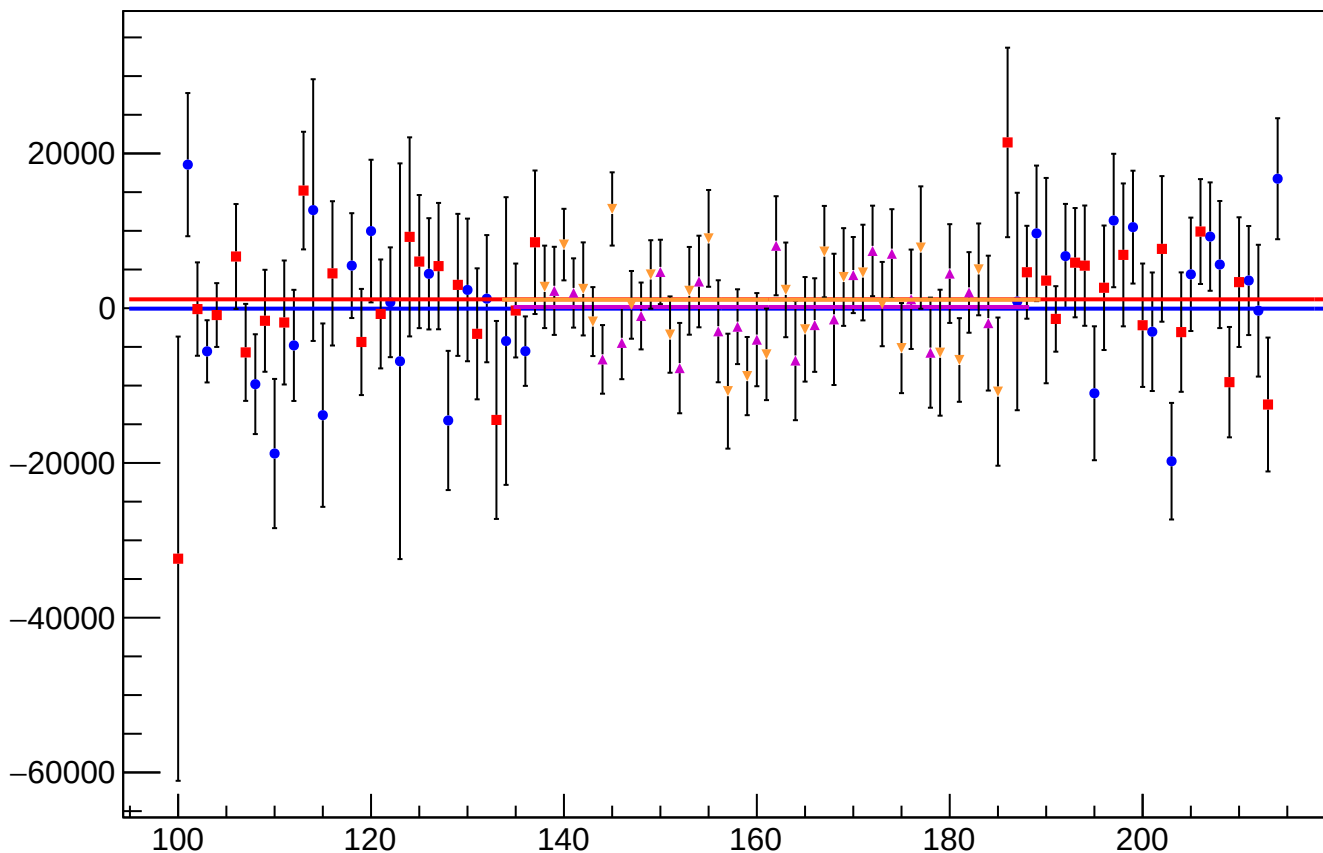
Left In: 4309.034 $\pm$ 0.745 χ^2 /NDF: 1305133.3/22

+ sign 4481.594 $\pm$ 0.555 χ^2 /NDF: 4408509.5/55

All: 137.388 $\pm$ 0.060 χ^2 /NDF: 133083016.0/133

- sign 85.834 $\pm$ 0.060 χ^2 /NDF: 66669425.7/56

asym_atr_dd_mean vs Slug



Right In: -56.677 ± 1375.540 χ^2/NDF : 43.1/30

Left Out: 1102.204 ± 1126.663 χ^2/NDF : 28.6/24

Right Out: 1147.890 ± 1268.698 χ^2/NDF : 23.7/33

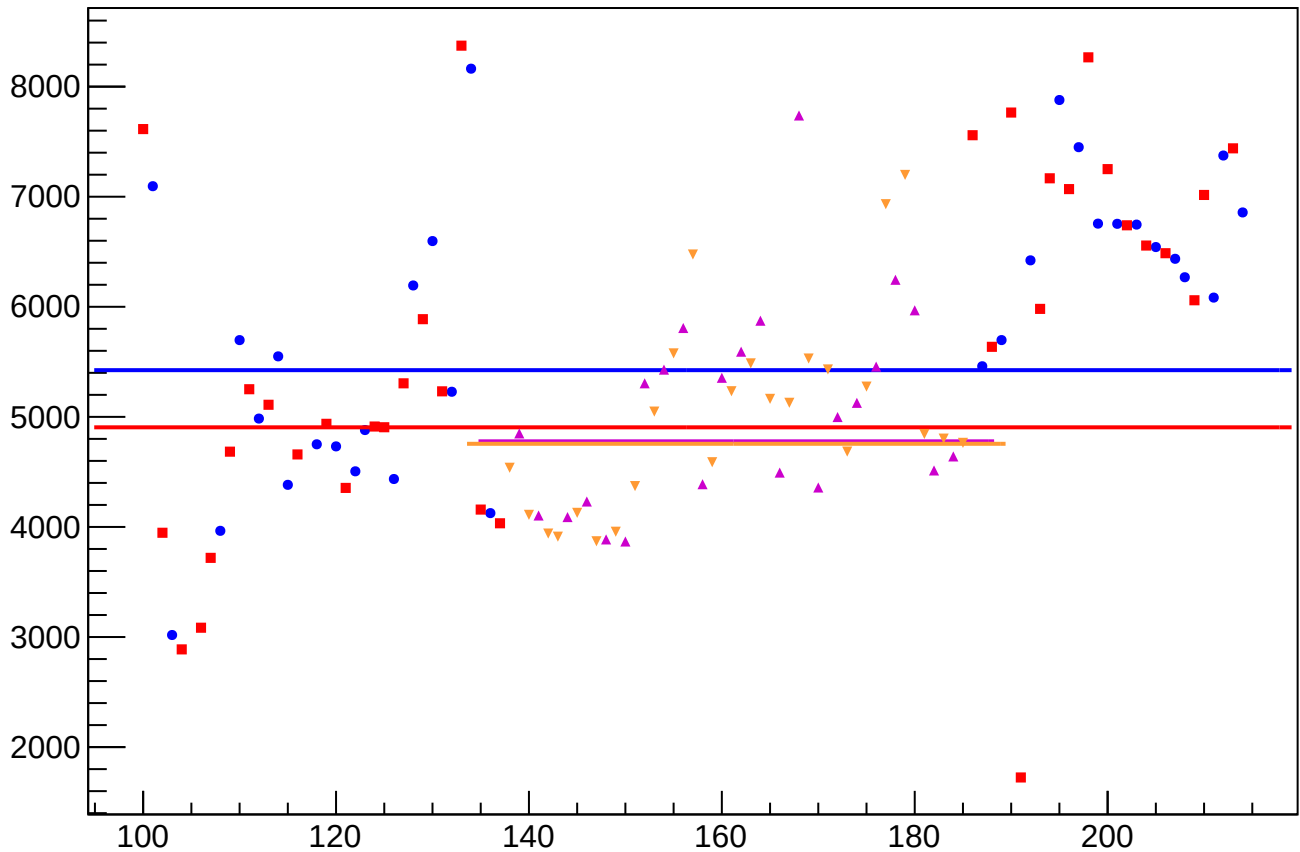
Left In: 158.683 ± 1161.507 χ^2/NDF : 15.5/22

+ sign 636.900 ± 871.610 χ^2/NDF : 72.0/55

All: 623.086 ± 610.983 χ^2/NDF : 111.6/112

- sign 609.739 ± 856.703 χ^2/NDF : 39.5/56

asym_atr_dd_rms vs Slug



Right In: 5424.332+/-0.973 χ^2/NDF : 2075155.5/30

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

Right Out: 4905.033+/-0.894 χ^2/NDF : 3806693.7/33

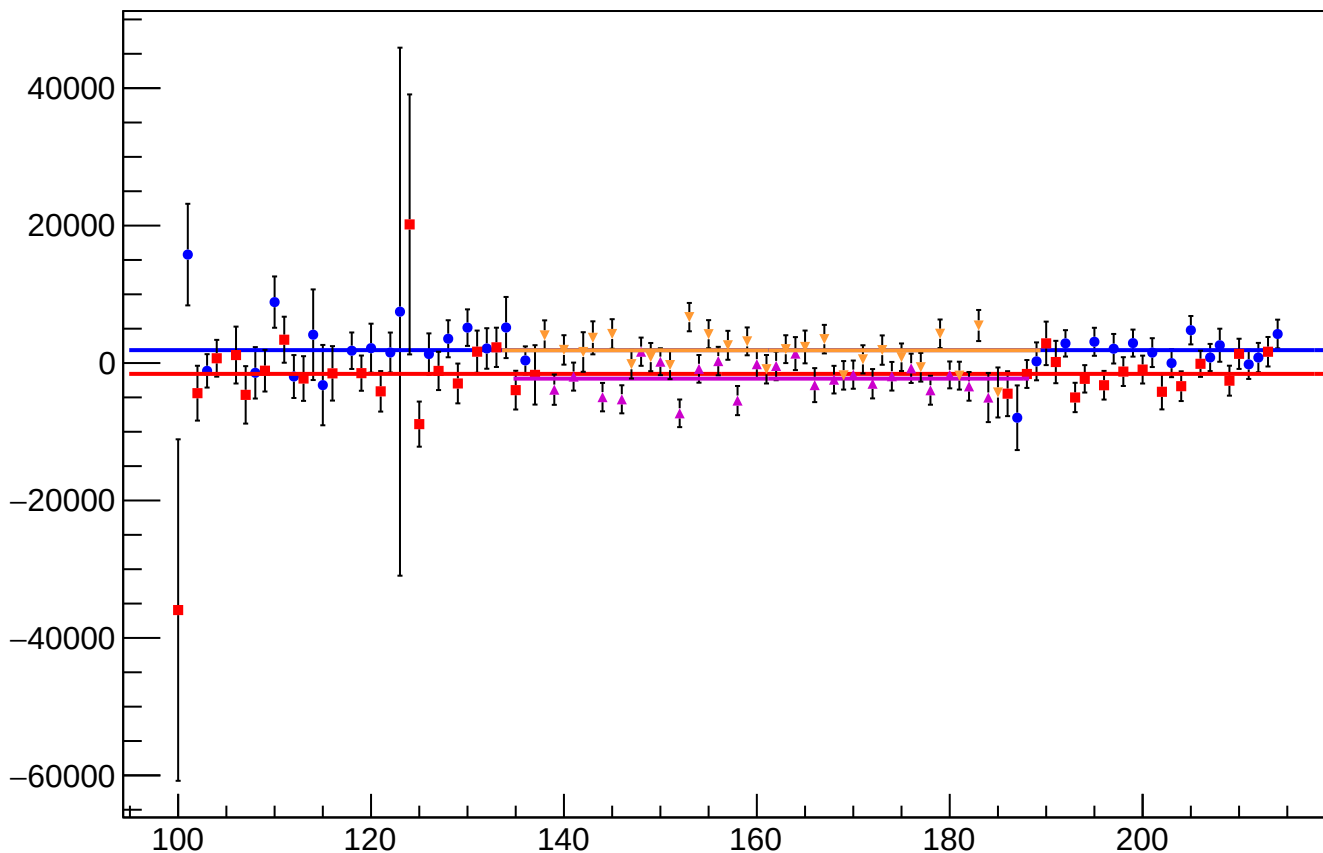
Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

+ sign 5023.974+/-0.616 χ^2/NDF : 3311574.5/55

All: 4928.247+/-0.432 χ^2/NDF : 8126898.5/11

- sign 4836.031+/-0.605 χ^2/NDF : 4767959.9/56

reg_asym_at1_avg_mean vs Slug



Right In: 1878.661 $\pm$ 467.147 χ^2 /NDF: 26.1/30

Left Out: 1856.570 $\pm$ 430.977 χ^2 /NDF:30.0/24

Right Out: -1577.594 $\pm$ 462.026 χ^2 /NDF: 30.4/33

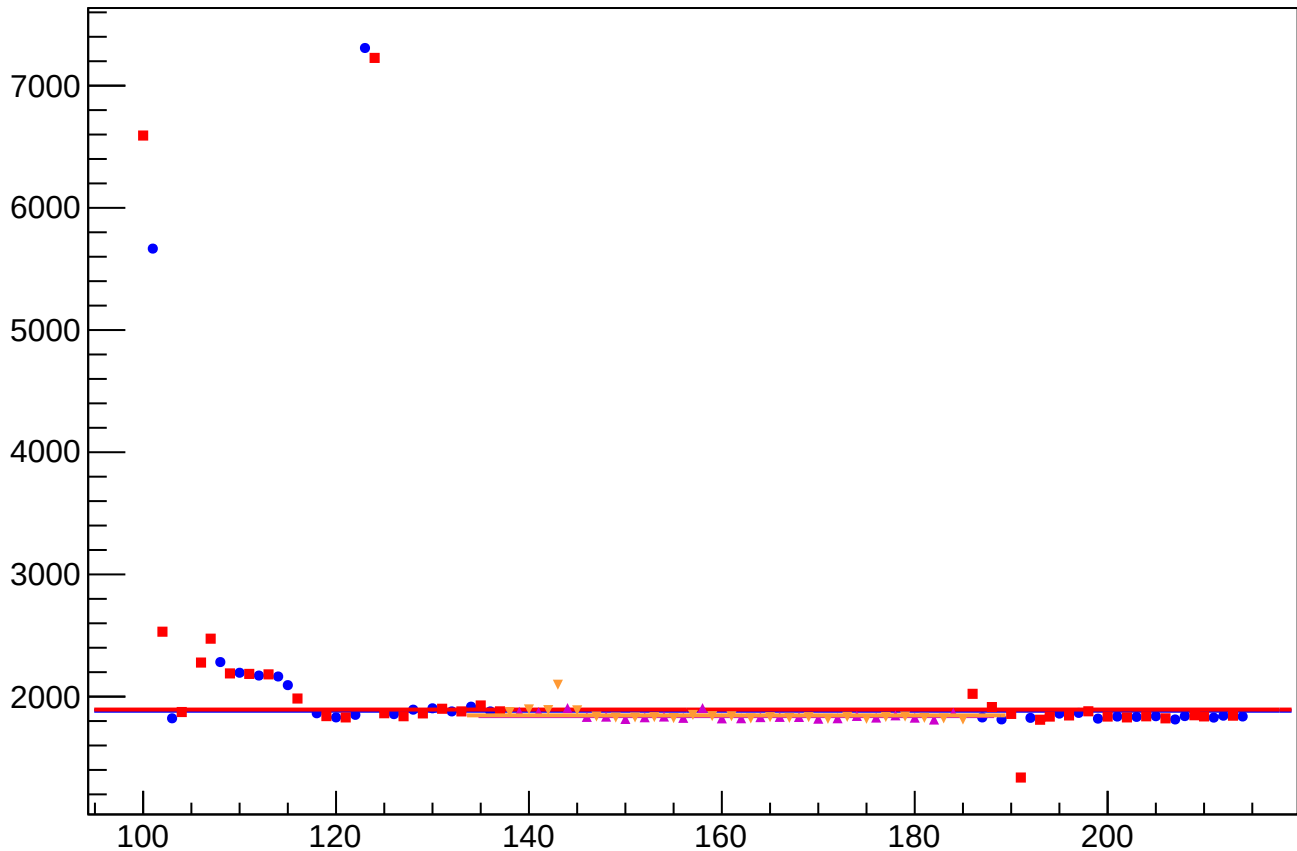
Left In: -2268.464 $\pm$ 441.710 χ^2 /NDF:26.9/22

+ sign 1866.727 $\pm$ 316.763 χ^2 /NDF: 56.1/55

All: -20.870 $\pm$ 224.869 χ^2 /NDF: 186.1/112

- sign -1938.552 $\pm$ 319.277 χ^2 /NDF: 58.4/56

reg_asym_at1_avg_rms vs Slug



Right In: 1884.370+/-0.330 χ^2/NDF : 641321.4/30

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

Right Out: 1894.081+/-0.327 χ^2/NDF : 476536.3/33

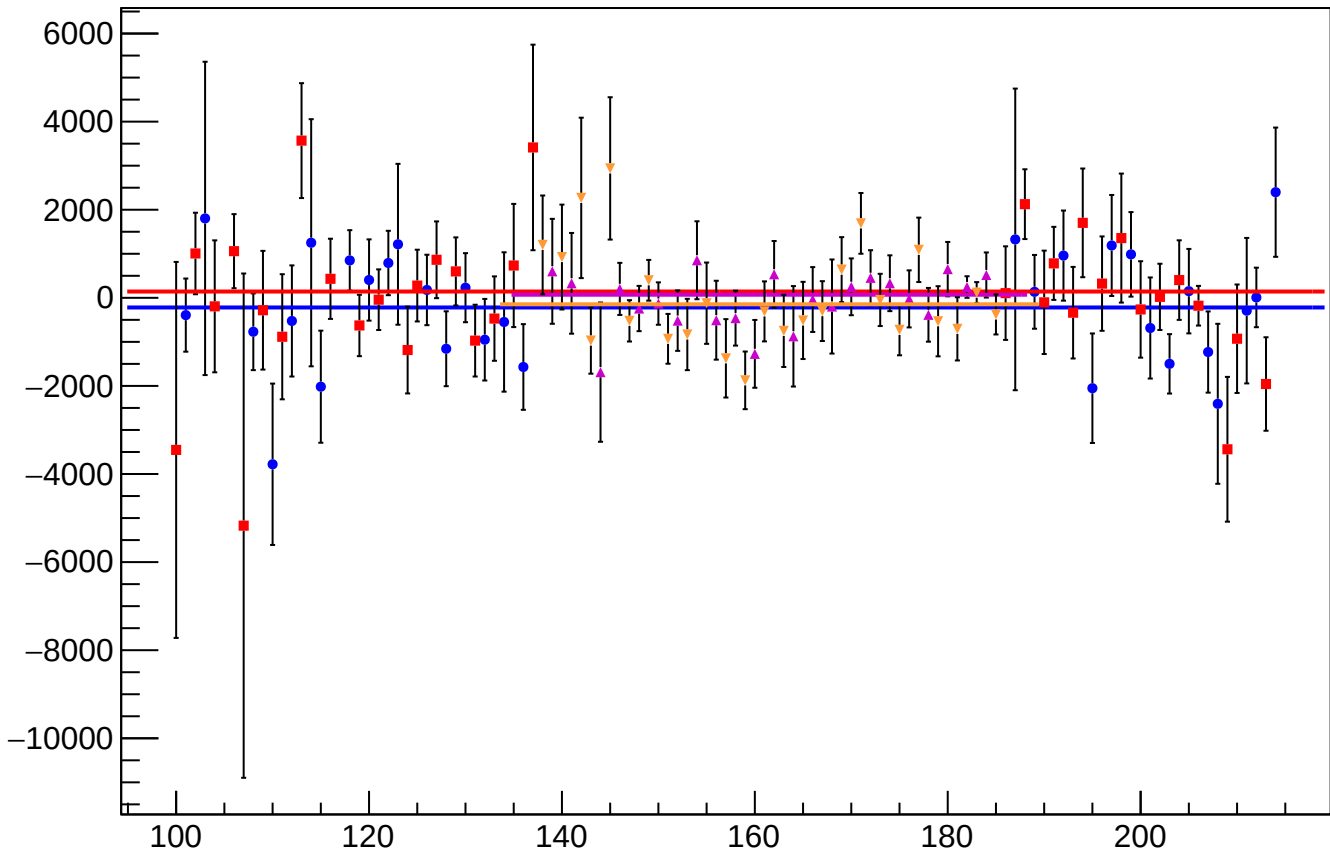
Left In: 1840.541+/-0.312 χ^2/NDF : 6740.2/22

+ sign 1863.968+/-0.224 χ^2/NDF : 675686.4/55

All: 1865.029+/-0.159 χ^2/NDF : 1173039.5/117

- sign 1866.108+/-0.226 χ^2/NDF : 497307.9/56

asym_at1_avg_correction_mean vs Slug



Right In: -219.142 $\pm$ 180.501 χ^2 /NDF: 33.5/30

Left Out: -146.999 $\pm$ 121.984 χ^2 /NDF: 37.7/24

Right Out: 143.046 $\pm$ 163.945 χ^2 /NDF: 39.5/33

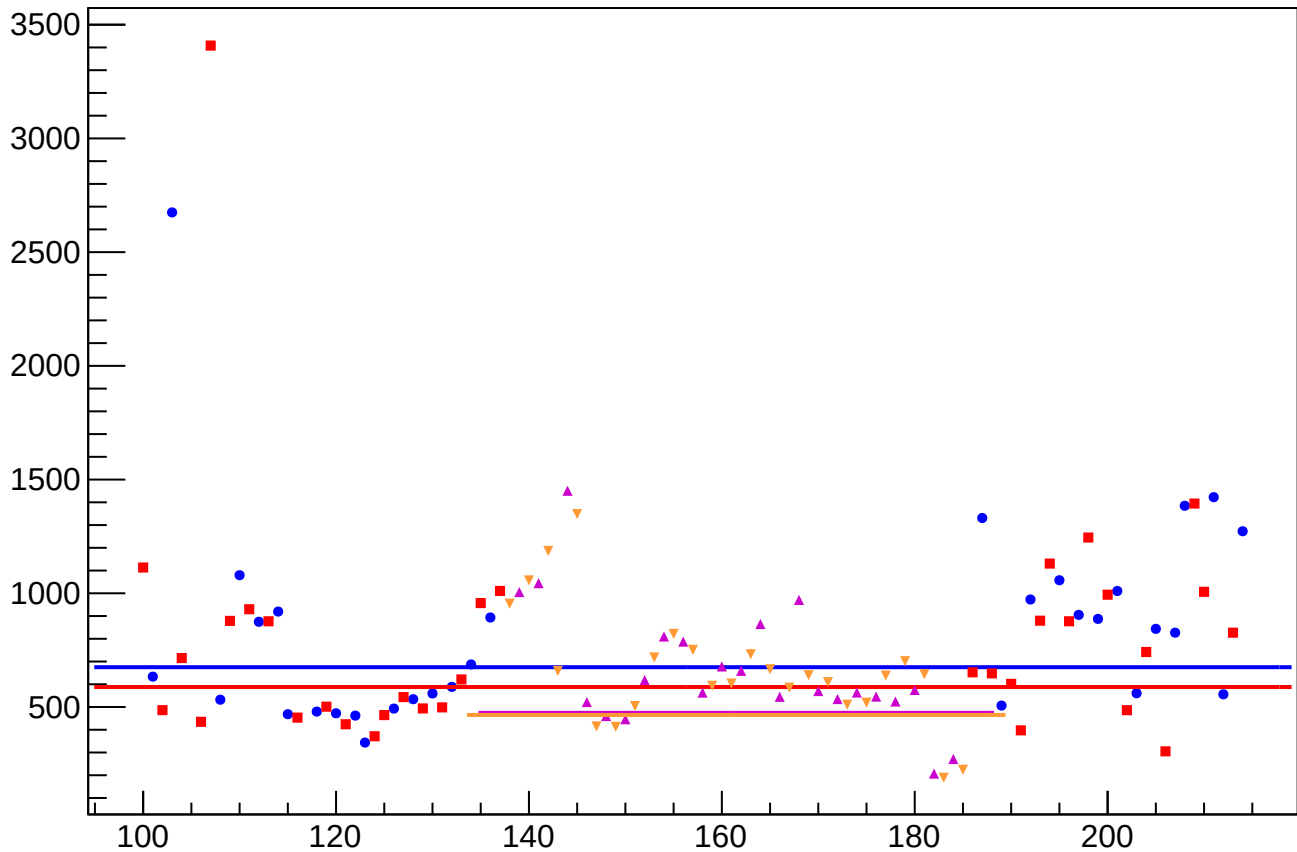
Left In: 70.340 $\pm$ 126.373 χ^2 /NDF: 12.3/22

+ sign -169.618 $\pm$ 101.068 χ^2 /NDF: 71.3/55

All: -34.790 $\pm$ 71.117 χ^2 /NDF: 126.7/112

- sign 97.439 $\pm$ 100.089 χ^2 /NDF: 51.9/56

asym_at1_avg_correction_rms vs Slug



Right In: 675.048 $\pm$ 0.128 χ^2 /NDF: 3866048.5/30

Left Out: 465.080 $\pm$ 0.086 χ^2 /NDF: 7086137.6/24

Right Out: 587.970 $\pm$ 0.116 χ^2 /NDF: 4715573.4/33

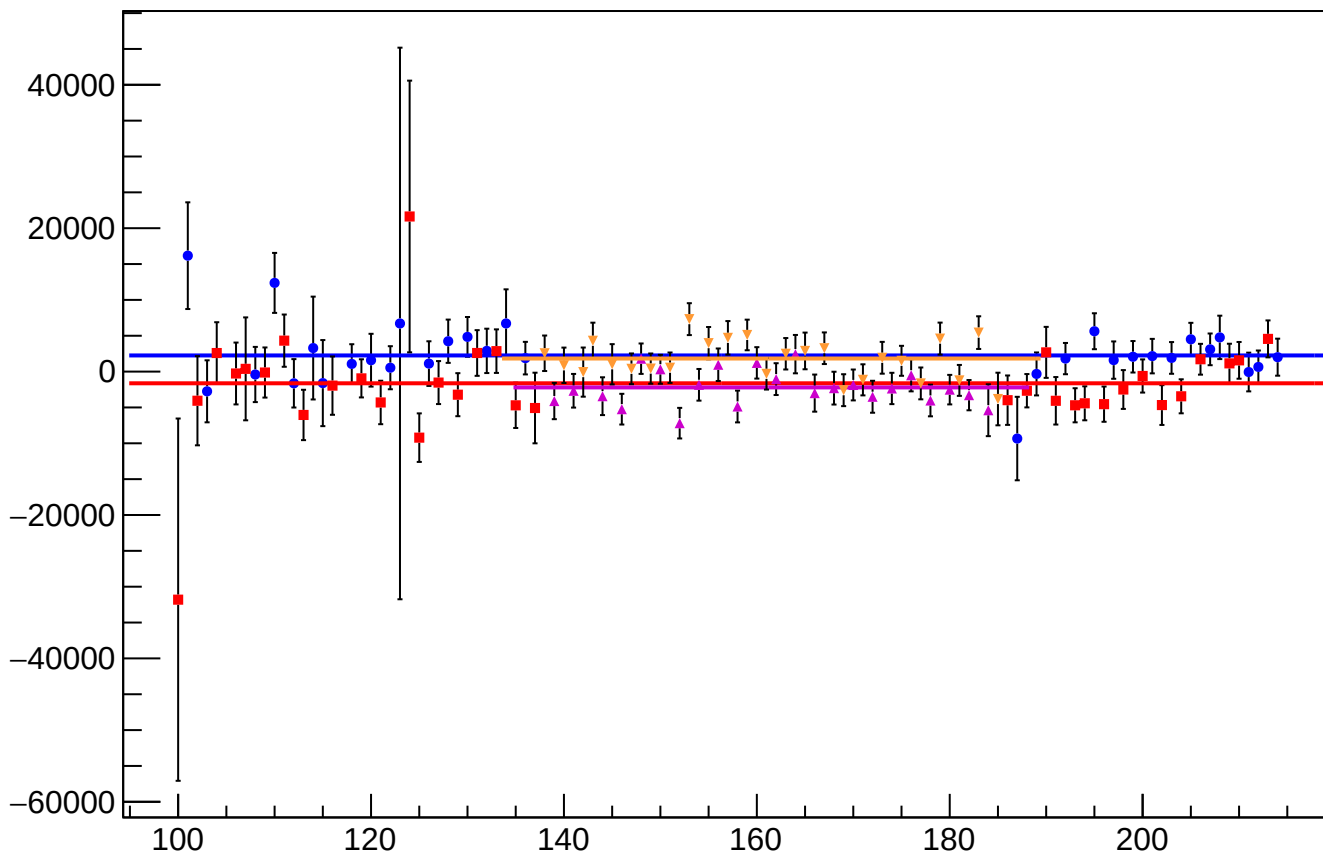
Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

+ sign 530.911 $\pm$ 0.071 χ^2 /NDF: 12810000.5/55

All: 523.707 $\pm$ 0.050 χ^2 /NDF: 24322294.6/11

- sign 516.643 $\pm$ 0.071 χ^2 /NDF: 11492172.1/56

asym_at1_avg_mean vs Slug



Right In: 2252.854 $\pm$ 530.136 χ^2 /NDF: 25.6/30

Left Out: 1824.066 $\pm$ 462.694 χ^2 /NDF:32.1/24

Right Out: -1630.759 $\pm$ 526.433 χ^2 /NDF: 40.2/33

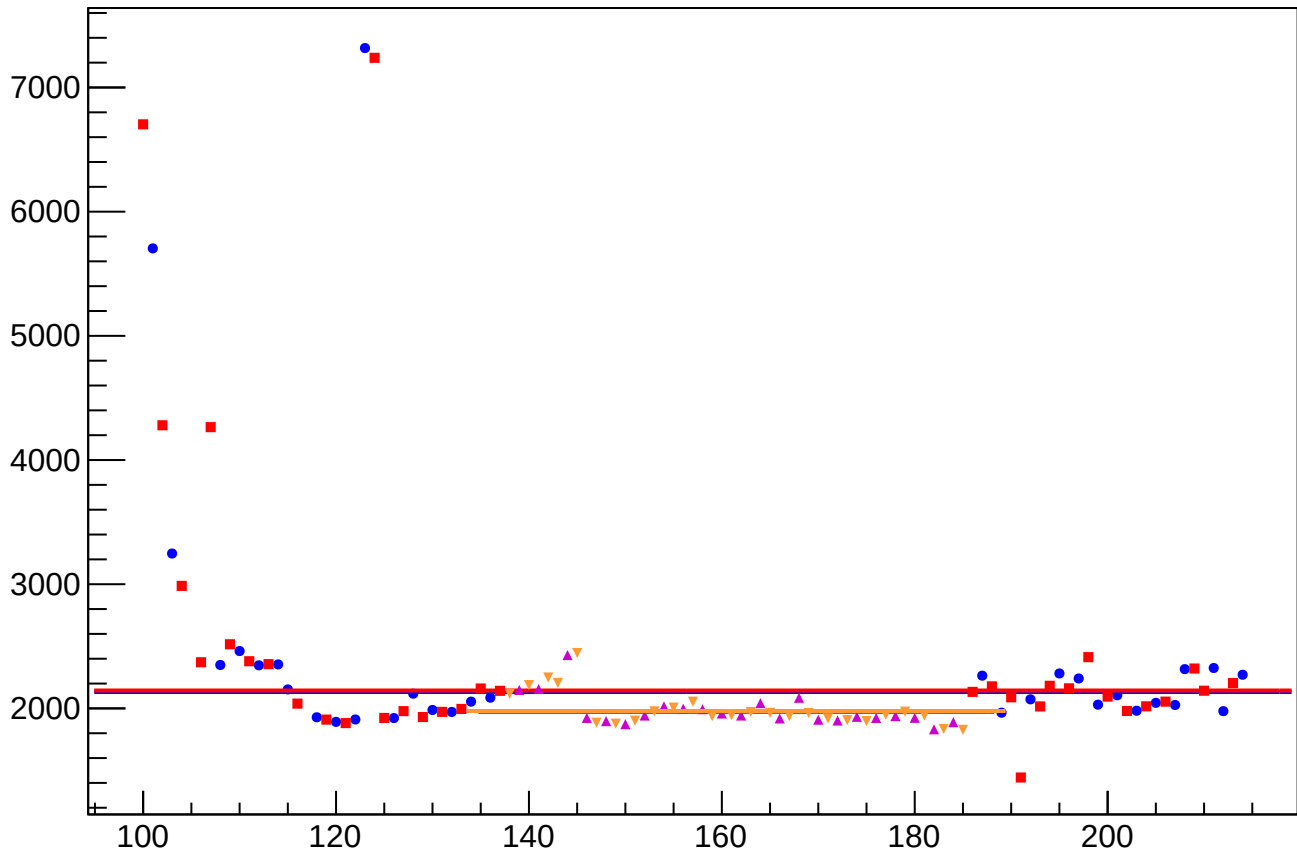
Left In: -2208.114 $\pm$ 474.050 χ^2 /NDF:25.3/22

+ sign 2009.467 $\pm$ 348.595 χ^2 /NDF: 58.0/55

All: 50.711 $\pm$ 247.784 χ^2 /NDF: 188.1/112

- sign -1949.583 $\pm$ 352.272 χ^2 /NDF: 66.2/56

asym_at1_avg_rms vs Slug



Right In: 2132.335 ± 0.375 χ^2/NDF : 783774.1/30

Left Out: 1978.997 ± 0.327 χ^2/NDF : 139299.8/24

Right Out: 2144.159 ± 0.372 χ^2/NDF : 951630.0/33

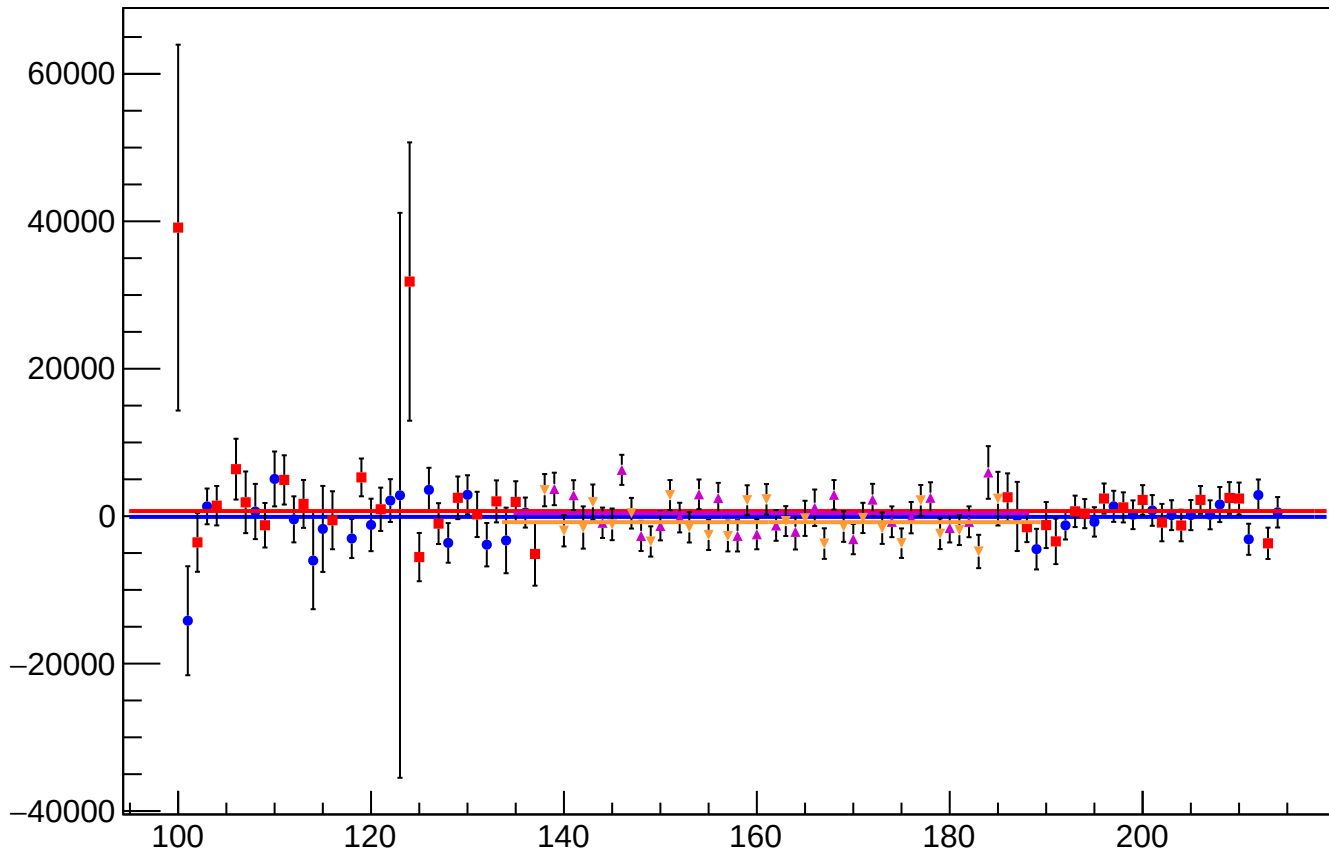
Left In: 1972.166 ± 0.335 χ^2/NDF : 116452.5/22

+ sign 2045.298 ± 0.246 χ^2/NDF : 1018049.3/55

All: 2047.220 ± 0.175 χ^2/NDF : 2204143.6/11

- sign 2049.182 ± 0.249 χ^2/NDF : 1185971.5/56

reg_asym_at1_dd_mean vs Slug



Right In: -97.772 ± 463.827 χ^2/NDF : 23.8/30

Left Out: -808.436 ± 430.304 χ^2/NDF : 27.9/24

Right Out: 694.720 ± 458.509 χ^2/NDF : 32.7/33

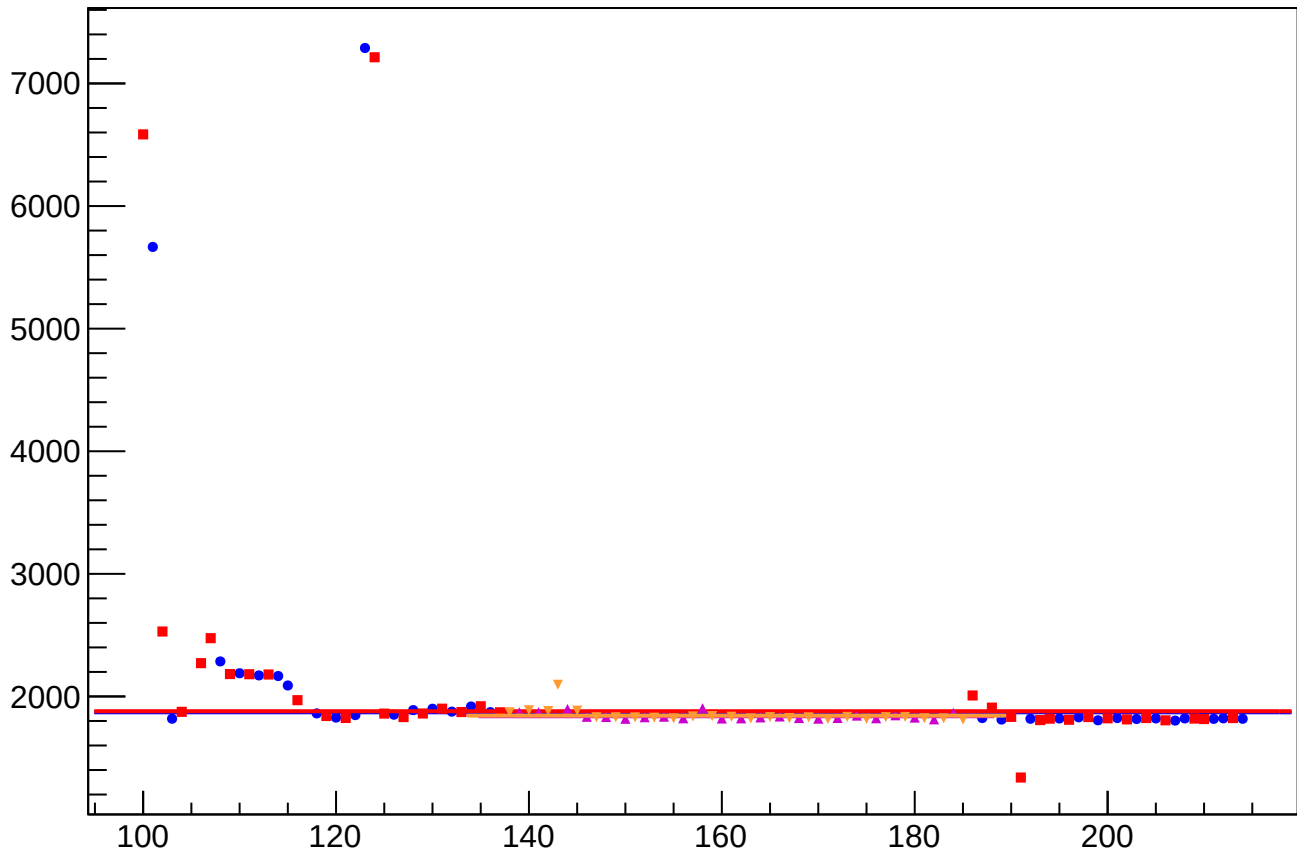
Left In: 398.797 ± 441.246 χ^2/NDF : 34.4/22

+ sign -479.711 ± 315.457 χ^2/NDF : 53.0/55

All: 26.691 ± 223.933 χ^2/NDF : 125.5/112

- sign 541.083 ± 317.936 χ^2/NDF : 67.3/56

reg_asym_at1_dd_rms vs Slug



Right In: 1870.715 $\pm$ 0.328 χ^2 /NDF: 651529.9/30

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

Right Out: 1879.451 $\pm$ 0.324 χ^2 /NDF: 485483.9/33

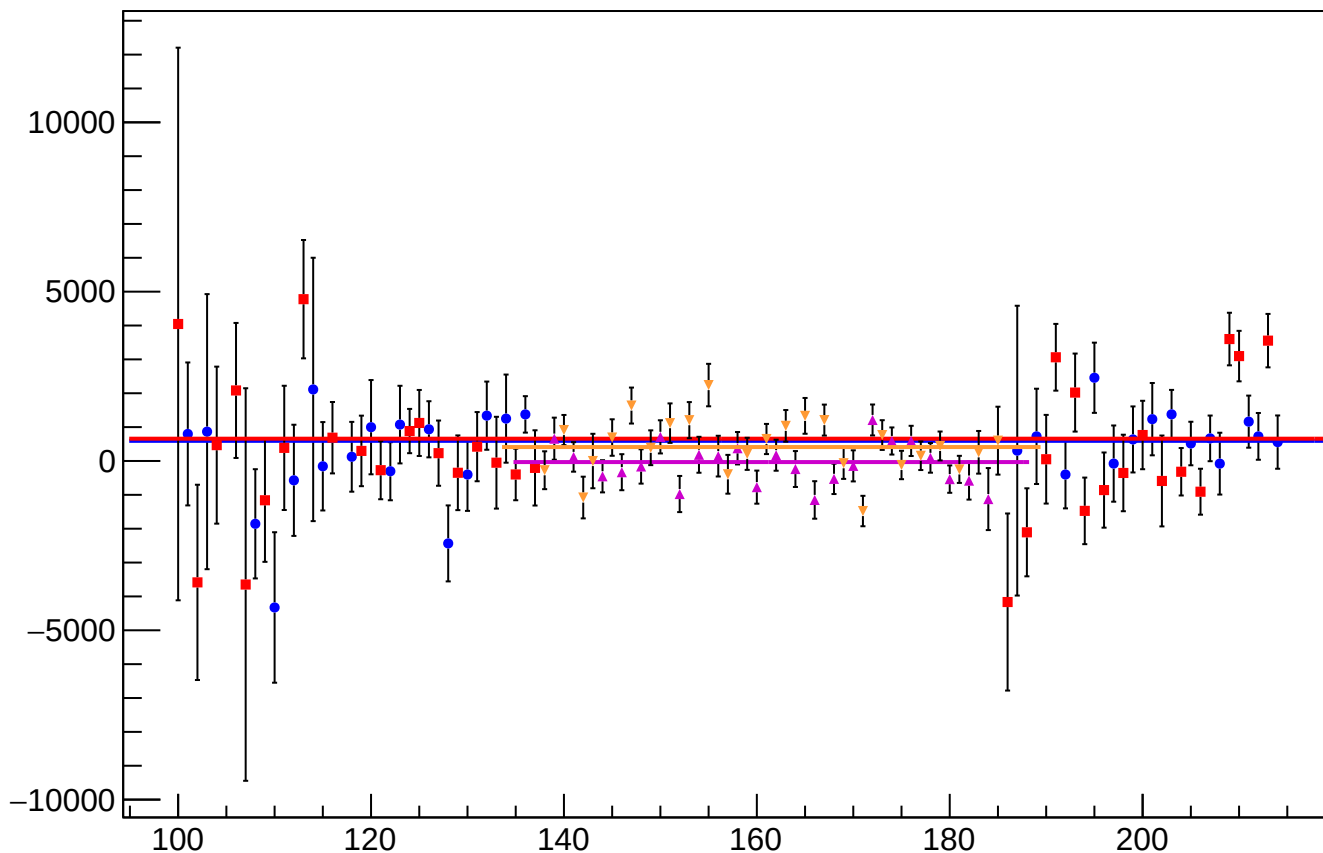
Left In: 1838.611 $\pm$ 0.312 χ^2 /NDF: 6335.1/22

+ sign 1856.221 $\pm$ 0.223 χ^2 /NDF: 682031.1/55

All: 1857.227 $\pm$ 0.158 χ^2 /NDF: 1182129.3/11

- sign 1858.248 $\pm$ 0.225 χ^2 /NDF: 500057.2/56

asym_at1_dd_correction_mean vs Slug



Right In: 594.793 $\pm$ 176.840 χ^2 /NDF: 28.3/30

Left Out: 411.072 $\pm$ 100.456 χ^2 /NDF: 61.2/24

Right Out: 657.933 $\pm$ 180.825 χ^2 /NDF: 85.1/33

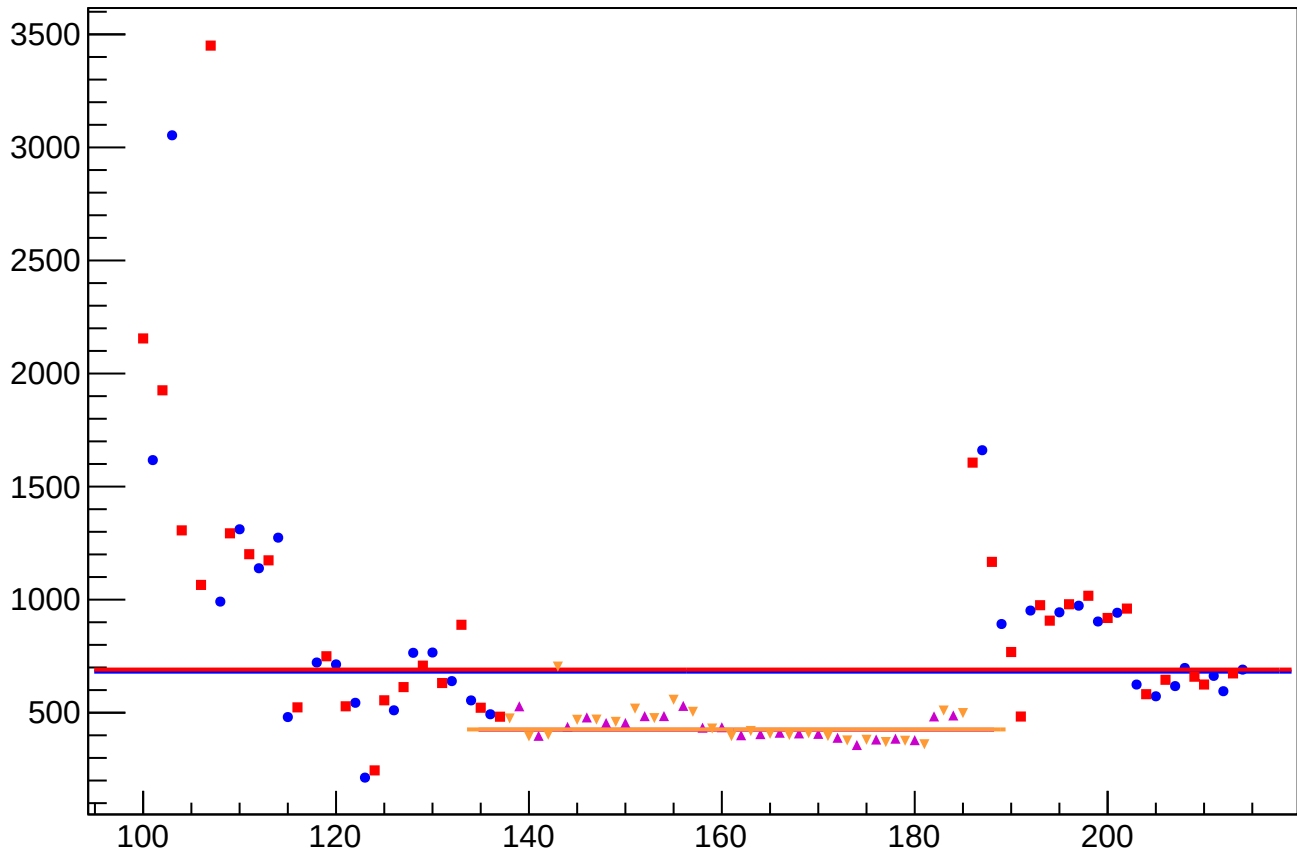
Left In: -32.456 $\pm$ 102.403 χ^2 /NDF: 32.7/22

+ sign 455.894 $\pm$ 87.347 χ^2 /NDF: 90.3/55

All: 298.741 $\pm$ 62.376 χ^2 /NDF: 225.7/112

- sign 135.192 $\pm$ 89.107 χ^2 /NDF: 128.8/56

asym_at1_dd_correction_rms vs Slug



Right In: 681.555 ± 0.125 χ^2/NDF : 3227195.9/30

Left Out: 426.027 ± 0.071 χ^2/NDF : 733072.9/24

Right Out: 690.842 ± 0.128 χ^2/NDF : 4343954.3/33

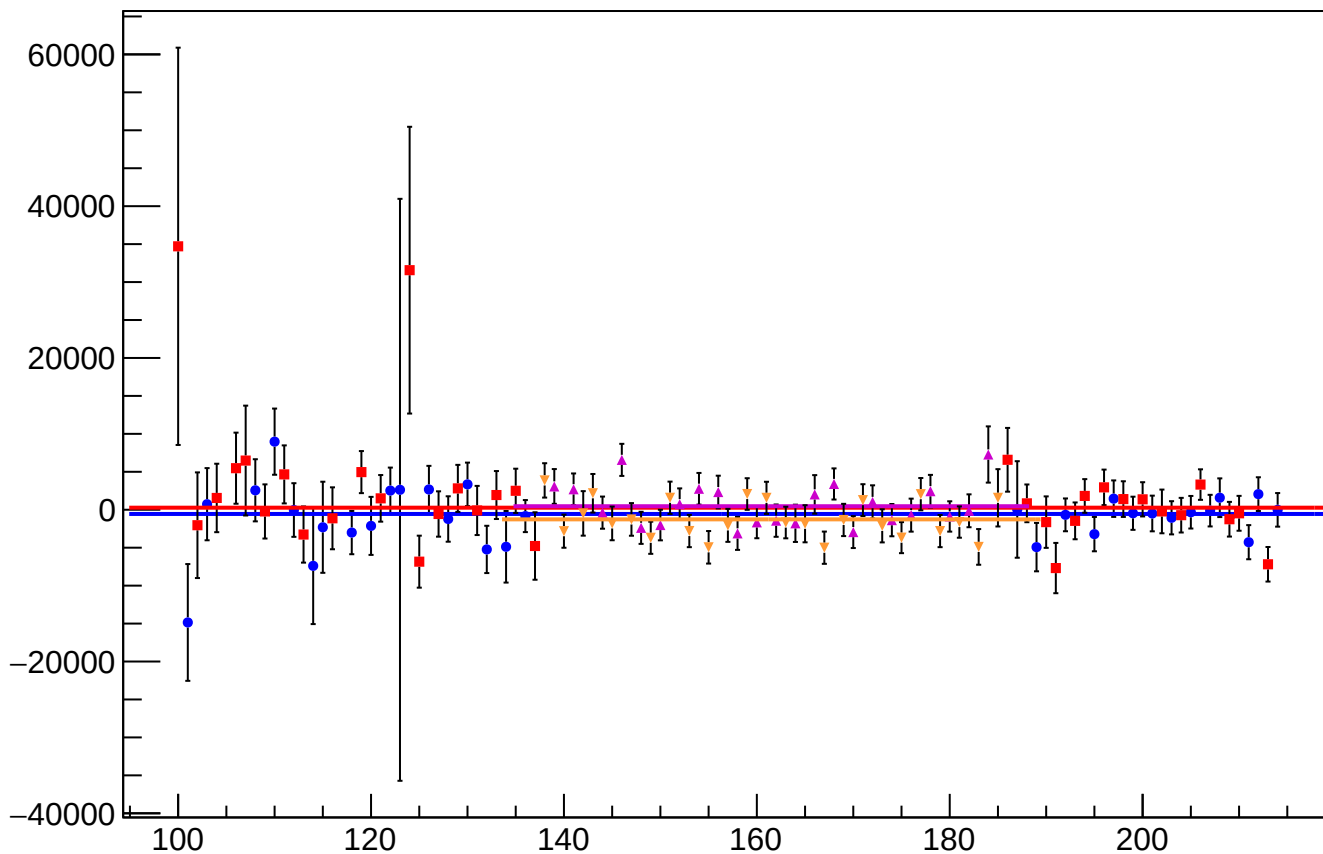
Left In: 424.639 ± 0.072 χ^2/NDF : 391611.2/22

+ sign 488.368 ± 0.062 χ^2/NDF : 7117337.5/55

All: 488.815 ± 0.044 χ^2/NDF : 15134971.6/11

- sign 489.281 ± 0.063 χ^2/NDF : 8017527.0/56

asym_at1_dd_mean vs Slug



Right In: -556.145 $\pm$ 511.692 χ^2 /NDF: 26.8/30

Left Out: -1267.885 $\pm$ 443.219 χ^2 /NDF:30.8/24

Right Out: 270.741 $\pm$ 514.022 χ^2 /NDF: 44.2/33

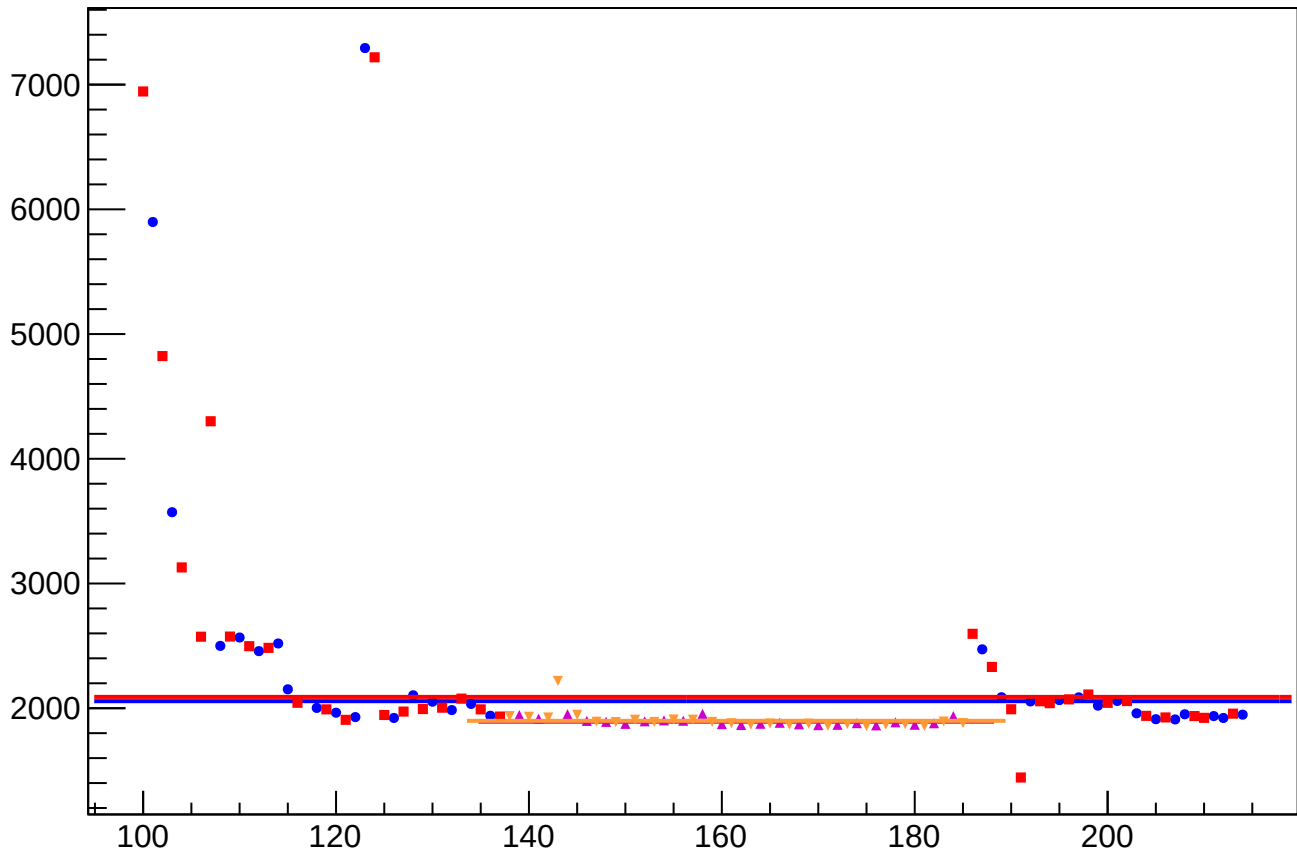
Left In: 462.599 $\pm$ 453.947 χ^2 /NDF:32.6/22

+ sign -962.790 $\pm$ 335.016 χ^2 /NDF: 58.7/55

All: -302.537 $\pm$ 238.723 χ^2 /NDF: 143.4/112

- sign 378.532 $\pm$ 340.256 χ^2 /NDF: 76.8/56

asym_at1_dd_rms vs Slug



Right In: 2056.236 $\pm$ 0.362 χ^2 /NDF: 894128.5/30

Left Out: 1898.962 $\pm$ 0.313 χ^2 /NDF: 38680.4/24

Right Out: 2090.917 $\pm$ 0.363 χ^2 /NDF: 1122451.0/33

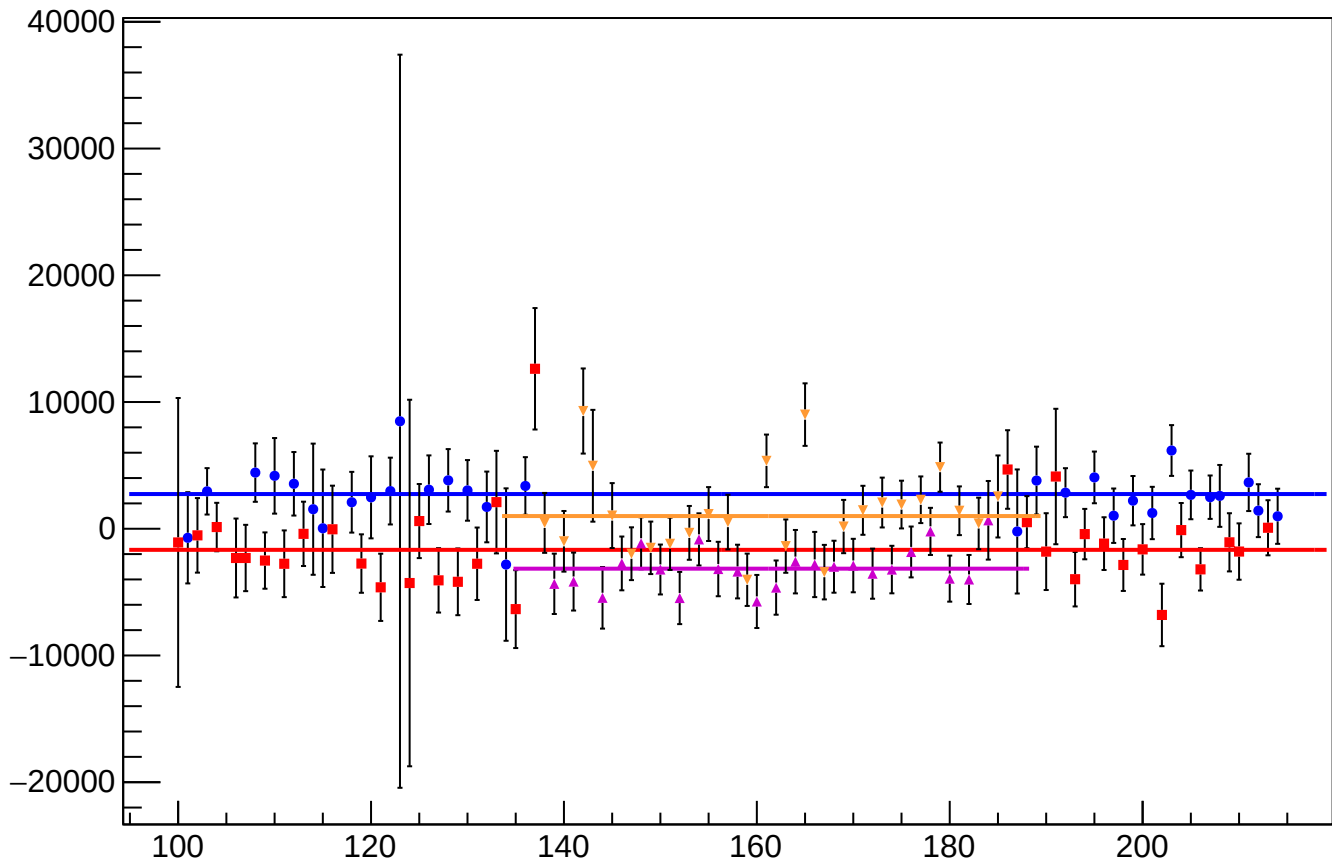
Left In: 1891.693 $\pm$ 0.321 χ^2 /NDF: 7420.7/22

+ sign 1966.379 $\pm$ 0.237 χ^2 /NDF: 1040759.3/55

All: 1972.586 $\pm$ 0.169 χ^2 /NDF: 2340818.4/11

- sign 1978.988 $\pm$ 0.241 χ^2 /NDF: 1298664.5/56

reg_asym_at2_avg_mean vs Slug



Right In: 2737.815 $\pm$ 437.292 χ^2 /NDF: 10.0/30

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

Right Out: -1664.637 $\pm$ 432.836 χ^2 /NDF: 32.9/33

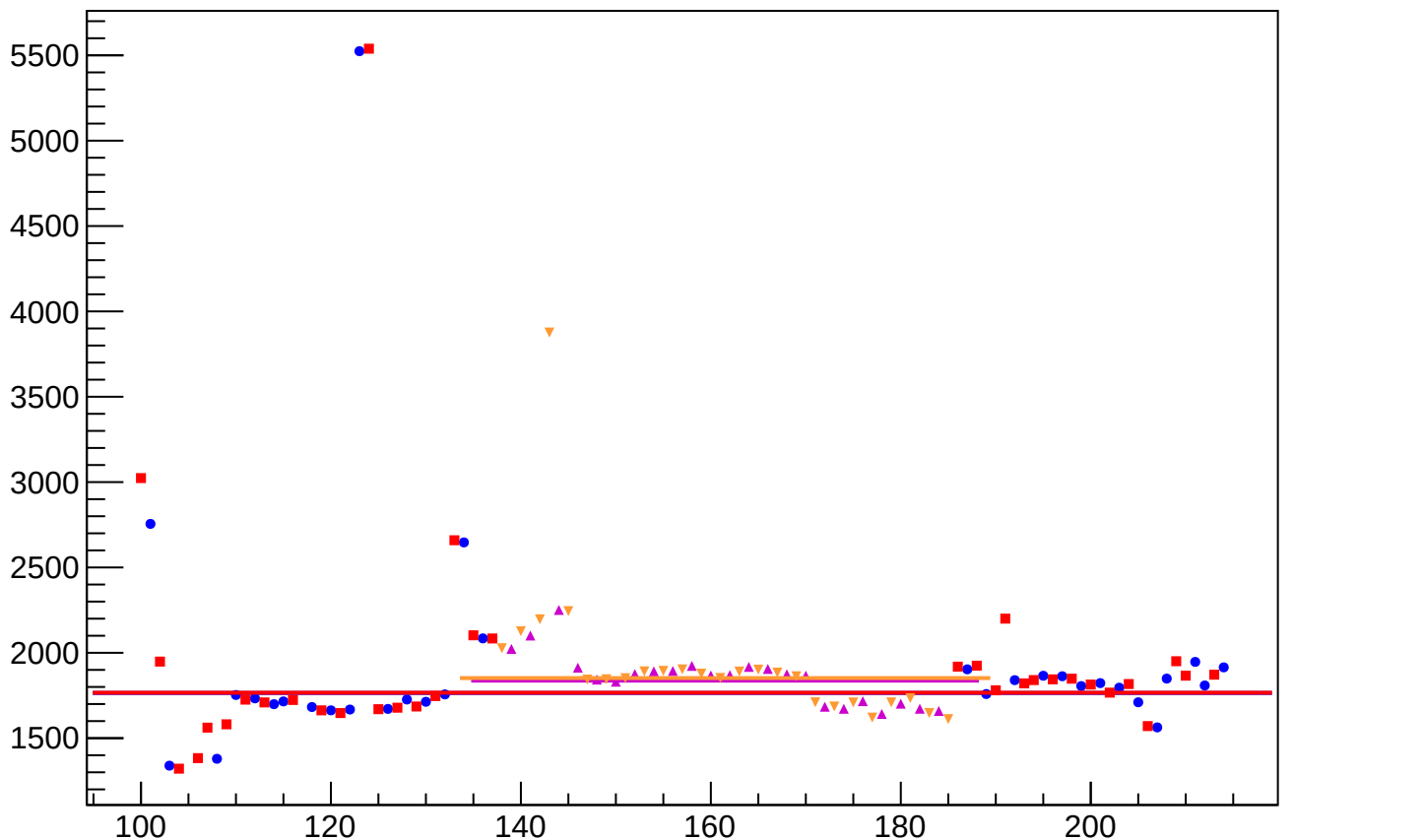
Left In: -3150.437 $\pm$ 441.145 χ^2 /NDF: 11.8/22

+ sign 1865.468 $\pm$ 308.487 χ^2 /NDF: 62.5/55

All: -260.729 $\pm$ 218.299 χ^2 /NDF: 208.2/112

- sign -2393.412 $\pm$ 308.957 χ^2 /NDF: 50.6/56

reg_asym_at2_avg_rms vs Slug



Right In: 1764.724+/-0.309 χ^2/NDF : 515271.4/30

Left Out: 1851.959+/-0.308 χ^2/NDF : 648954.2/24

Right Out: 1766.180+/-0.306 χ^2/NDF : 570908.9/33

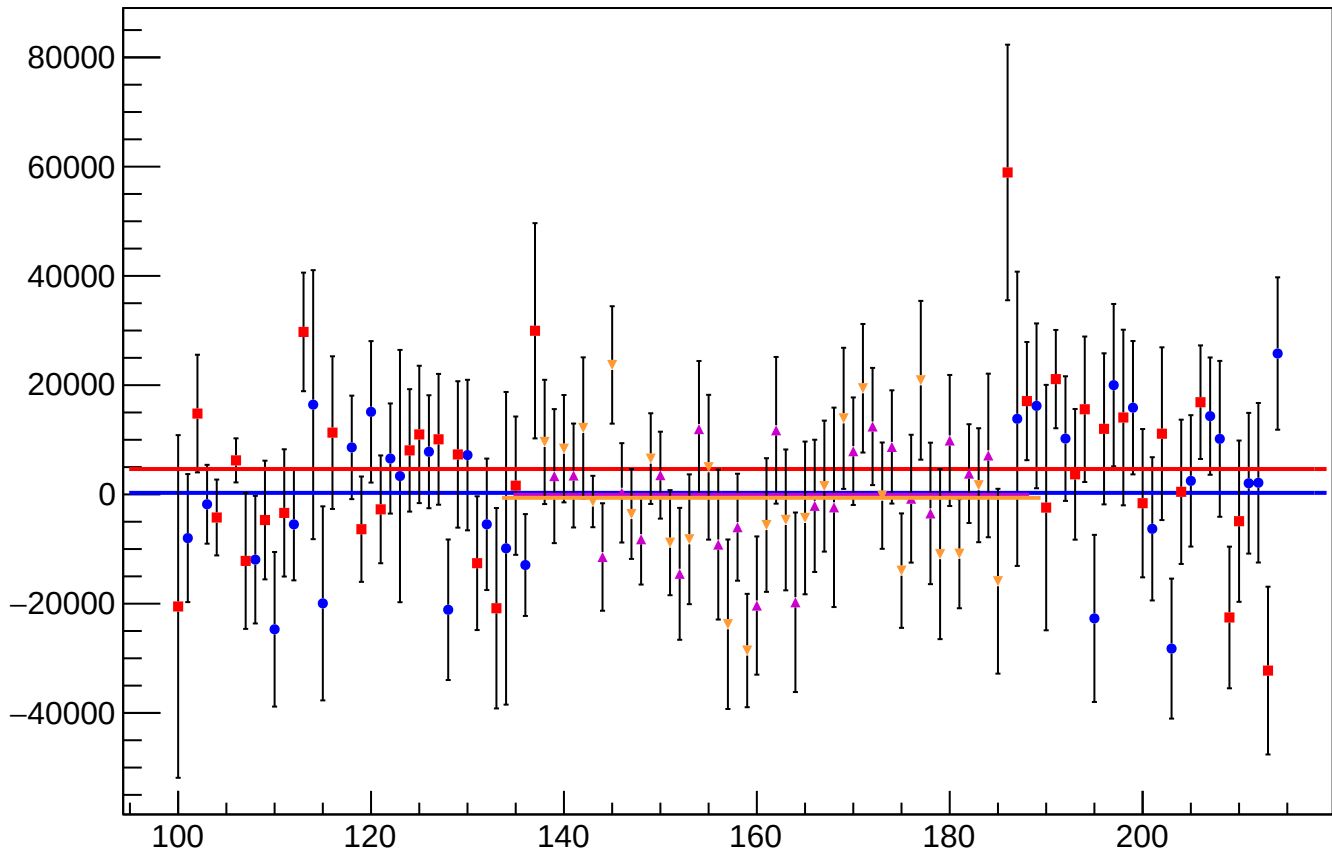
Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

+ sign 1808.546+/-0.218 χ^2/NDF : 1204207.3/55

All: 1804.774+/-0.154 χ^2/NDF : 2002602.9/11

- sign 1800.991+/-0.218 χ^2/NDF : 797796.7/56

asym_at2_avg_correction_mean vs Slug



Right In: 285.011 $\pm$ 2238.831 χ^2 /NDF: 33.8/30

Left Out: -619.372 $\pm$ 2069.686 χ^2 /NDF:30.1/24

Right Out: 4650.404 $\pm$ 1890.727 χ^2 /NDF: 43.9/33

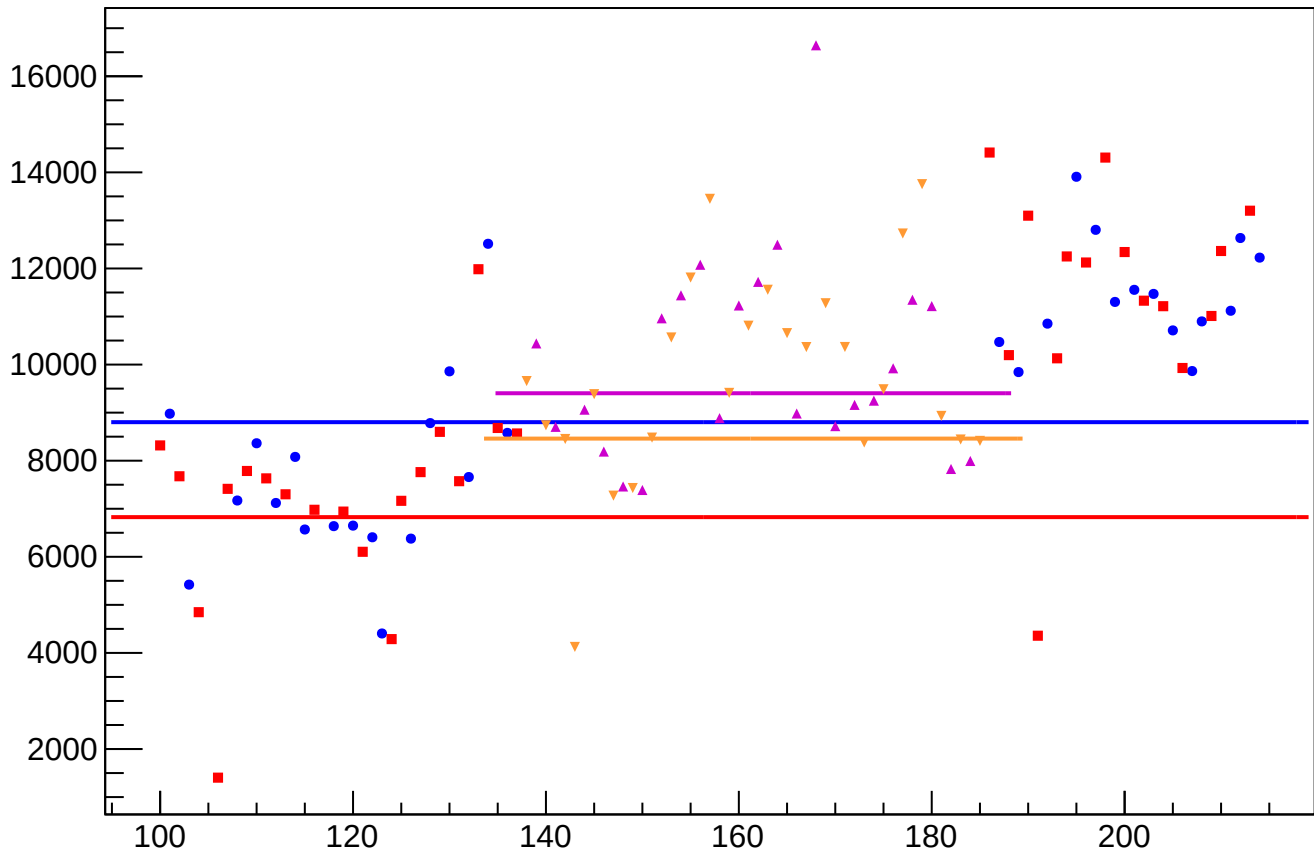
Left In: -93.334 $\pm$ 2293.826 χ^2 /NDF:14.6/22

+ sign -202.630 $\pm$ 1519.772 χ^2 /NDF: 64.1/55

All: 1324.187 $\pm$ 1052.490 χ^2 /NDF: 127.1/112

- sign 2731.299 $\pm$ 1458.980 χ^2 /NDF: 61.1/56

asym_at2_avg_correction_rms vs Slug



Right In: 8801.752+/-1.583 χ^2/NDF : 2232182.2/30

Left Out: 8459.960+/-1.463 χ^2/NDF : 3087200.5/24

Right Out: 6825.632+/-1.337 χ^2/NDF : 7862734.9/33

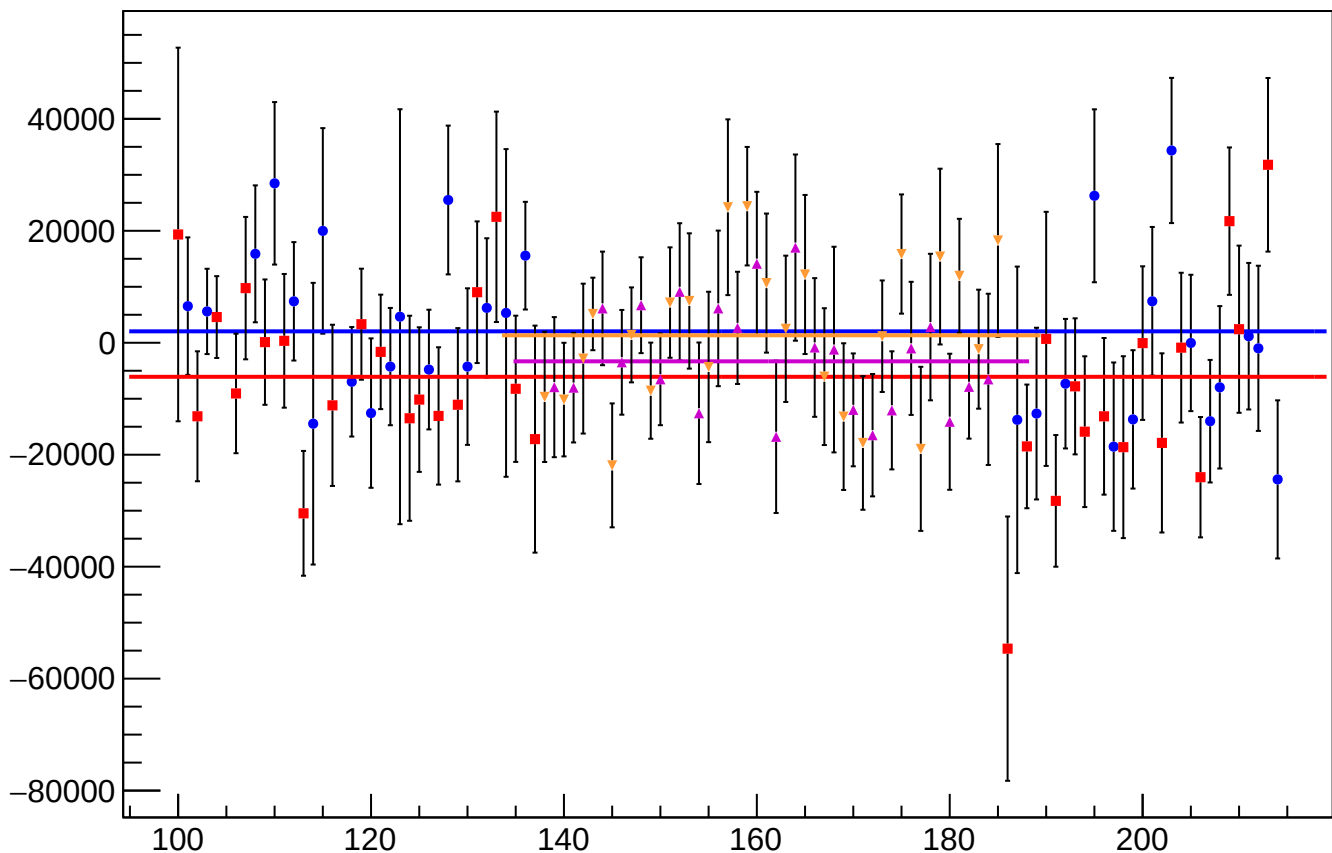
Left In: 9403.481+/-1.622 χ^2/NDF : 1142646.9/22

+ sign 8617.459+/-1.075 χ^2/NDF : 5344516.6/55

All: 8227.708+/-0.744 χ^2/NDF : 16106719.8/100

- sign 7868.515+/-1.032 χ^2/NDF : 10509443.0/56

asym_at2_avg_mean vs Slug



Right In: 2040.319+/-2307.832 χ^2/NDF : 35.3/30

Left Out: 1332.828+/-2213.733 χ^2/NDF : 28.0/24

Right Out: -6080.419+/-2202.608 χ^2/NDF : 41.1/33

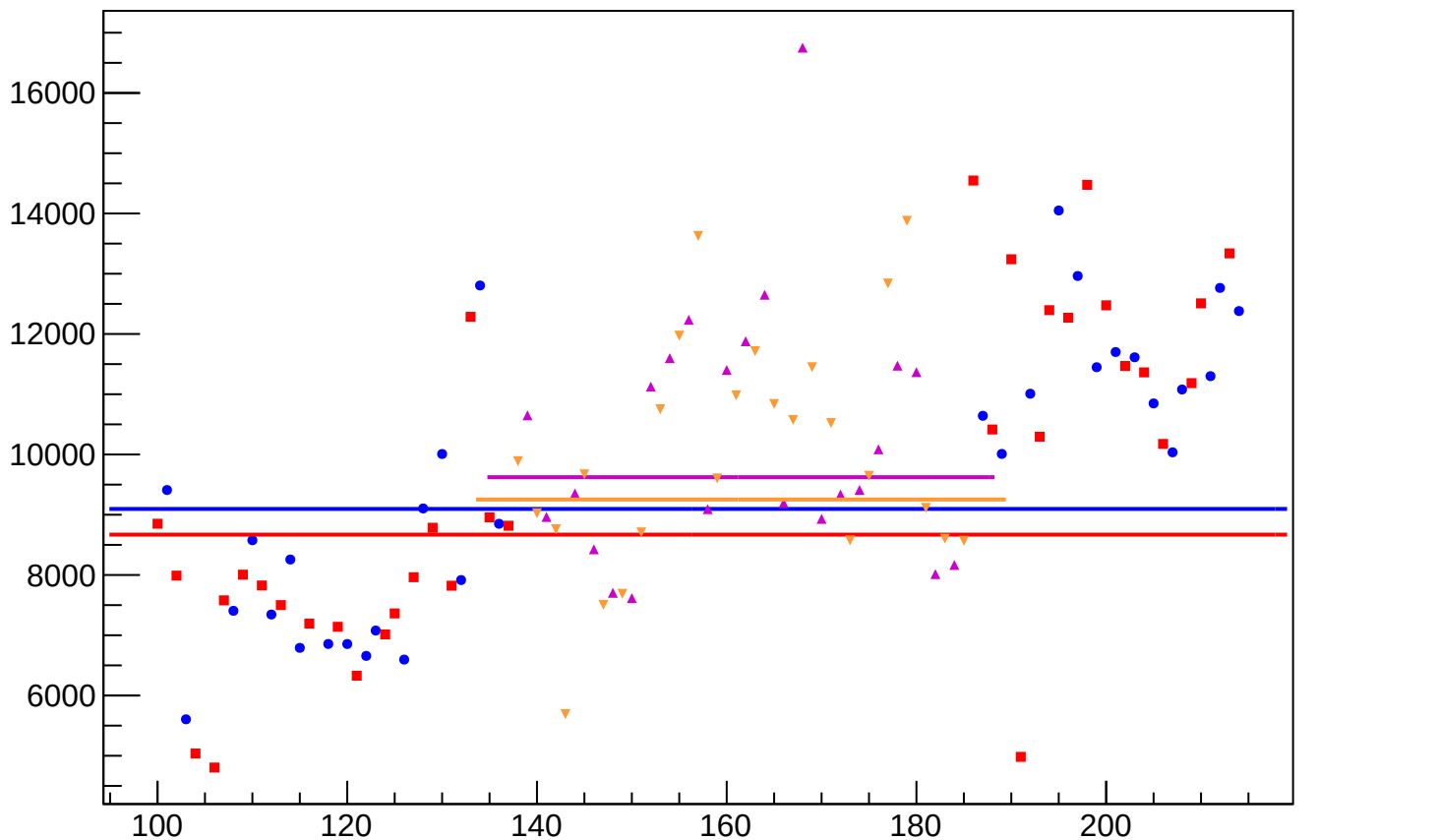
Left In: -3316.909+/-2344.543 χ^2/NDF : 13.7/22

+ sign 1671.856+/-1597.576 χ^2/NDF : 63.4/55

All: -1540.897+/-1132.382 χ^2/NDF : 127.0/11

- sign -4784.840+/-1605.312 χ^2/NDF : 55.5/56

asym_at2_avg_rms vs Slug



Right In: 9096.295+/-1.632 χ^2 /NDF: 2008126.9/30

Left Out: 9252.712+/-1.565 χ^2 /NDF:1597668.9/24

Right Out: 8670.060+/-1.557 χ^2 /NDF: 2868828.6/33

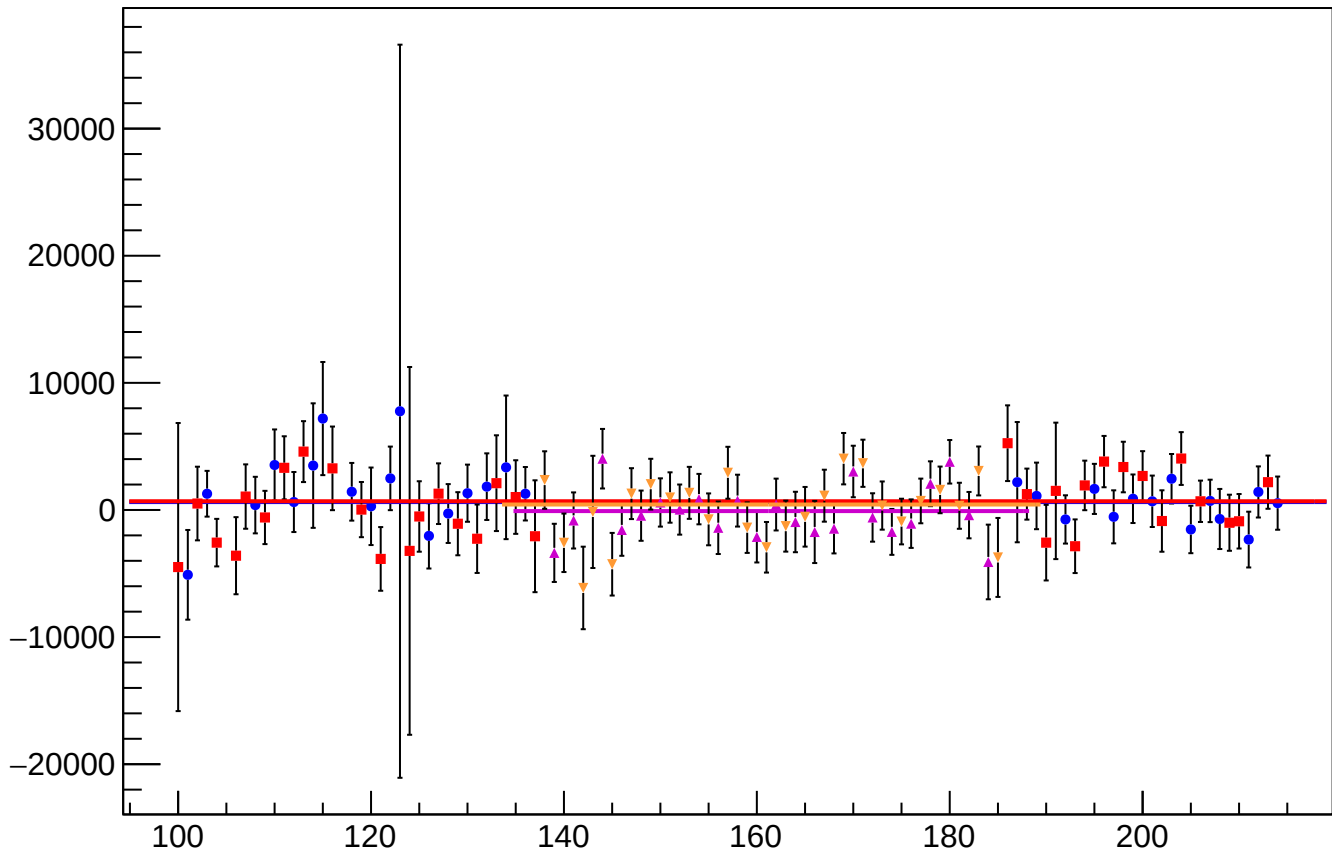
Left In: 9623.485+/-1.658 χ^2 /NDF:1069924.0/22

+ sign 9177.756+/-1.130 χ^2 /NDF: 3610580.7/55

All: 9147.521+/-0.801 χ^2 /NDF: 7726472.7/11

- sign 9116.995+/-1.135 χ^2 /NDF: 4114452.4/56

reg_asym_at2_dd_mean vs Slug



Right In: 620.883 ± 421.148 χ^2/NDF : 14.8/30

Left Out: 429.447 ± 416.378 χ^2/NDF : 28.7/24

Right Out: 686.840 ± 417.108 χ^2/NDF : 32.8/33

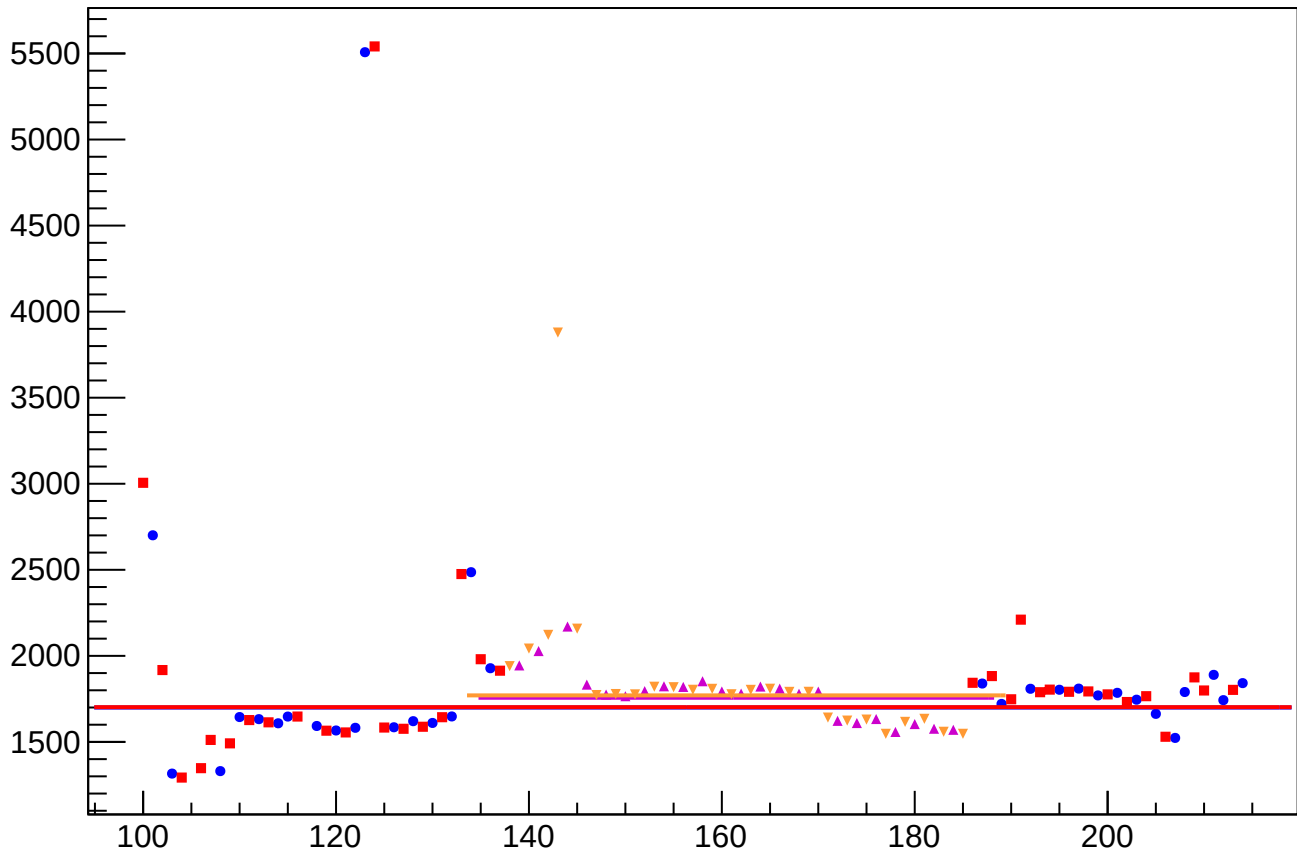
Left In: -88.373 ± 421.957 χ^2/NDF : 21.0/22

+ sign 524.075 ± 296.096 χ^2/NDF : 43.6/55

All: 414.096 ± 209.563 χ^2/NDF : 99.3/112

- sign 303.713 ± 296.640 χ^2/NDF : 55.4/56

reg_asym_at2_dd_rms vs Slug



Right In: 1699.685 $\pm$ 0.298 χ^2 /NDF: 508605.3/30

Left Out: 1770.384 $\pm$ 0.294 χ^2 /NDF: 699536.9/24

Right Out: 1701.907 $\pm$ 0.295 χ^2 /NDF: 579161.5/33

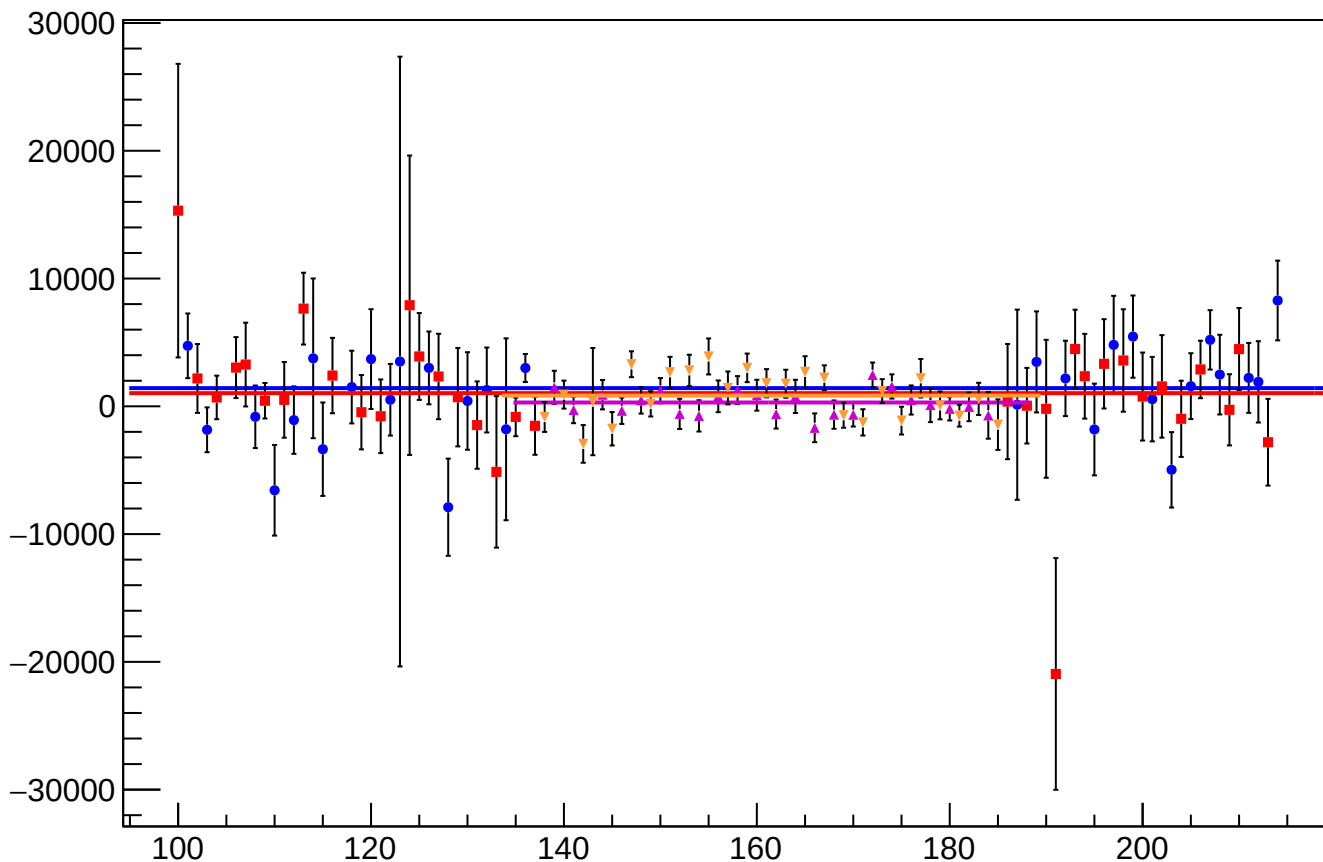
Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

+ sign 1735.437 $\pm$ 0.209 χ^2 /NDF: 1236644.0/55

All: 1732.199 $\pm$ 0.148 χ^2 /NDF: 2056371.7/11

- sign 1728.949 $\pm$ 0.210 χ^2 /NDF: 819248.4/56

asym_at2_dd_correction_mean vs Slug



Right In: 1423.216 $\pm$ 505.336 χ^2 /NDF: 38.9/30

Left Out: 839.344 $\pm$ 230.465 χ^2 /NDF: 54.4/24

Right Out: 1029.372 $\pm$ 488.666 χ^2 /NDF: 27.3/33

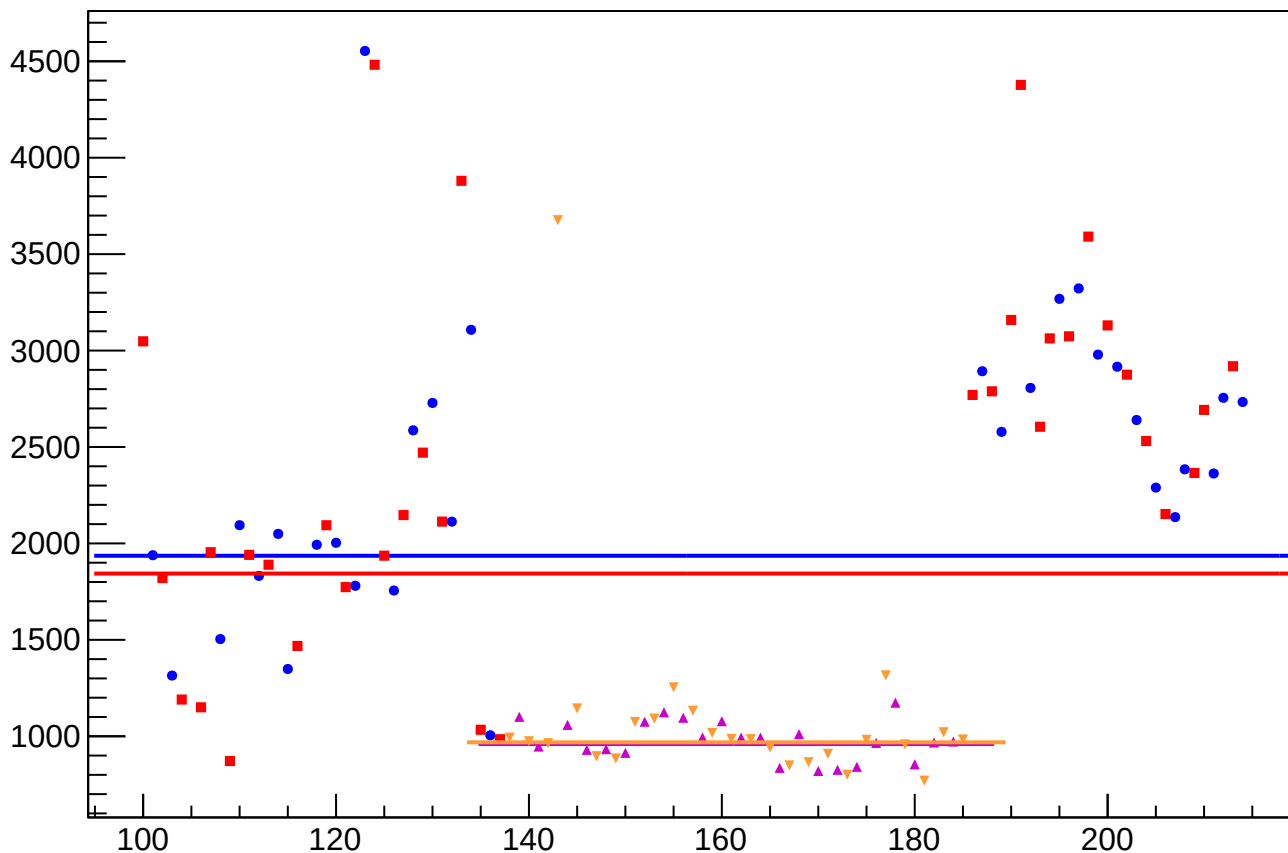
Left In: 298.801 $\pm$ 231.400 χ^2 /NDF: 18.3/22

+ sign 939.876 $\pm$ 209.688 χ^2 /NDF: 94.4/55

All: 685.578 $\pm$ 148.076 χ^2 /NDF: 144.8/112

- sign 432.614 $\pm$ 209.137 χ^2 /NDF: 47.5/56

asym_at2_dd_correction_rms vs Slug



Right In: 1935.970 $\pm$ 0.357 χ^2 /NDF: 3768811.7/30

Left Out: 968.712 $\pm$ 0.163 χ^2 /NDF: 1393696.6/24

Right Out: 1843.683 $\pm$ 0.346 χ^2 /NDF: 5349446.4/33

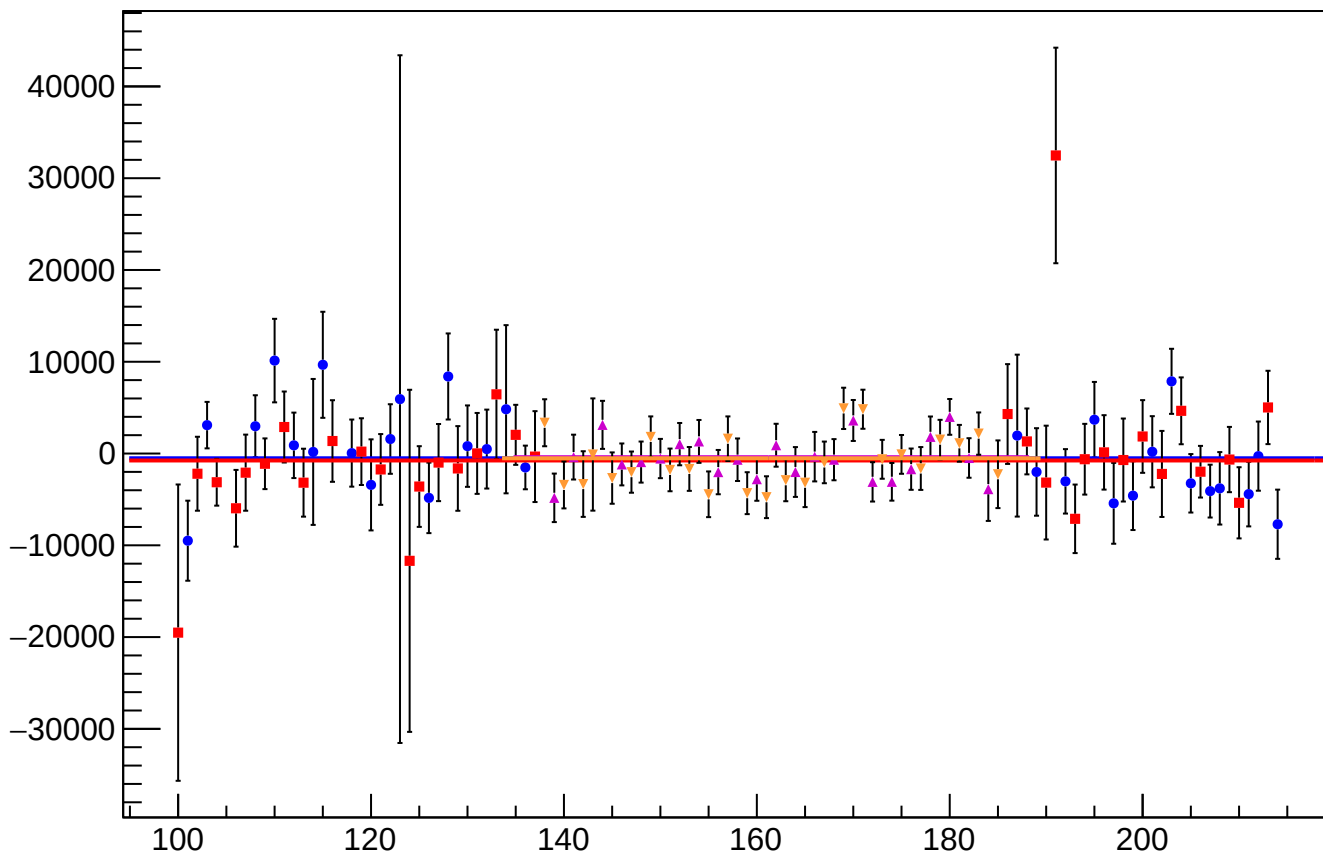
Left In: 959.805 $\pm$ 0.164 χ^2 /NDF: 371210.5/22

+ sign 1135.255 $\pm$ 0.148 χ^2 /NDF: 11228333.8/55

All: 1128.459 $\pm$ 0.105 χ^2 /NDF: 22297921.5/100

- sign 1121.698 $\pm$ 0.148 χ^2 /NDF: 11065396.5/56

asym_at2_dd_mean vs Slug



Right In: -516.857 ± 701.441 χ^2/NDF : 39.9/30

Left Out: -517.719 ± 481.486 χ^2/NDF : 34.0/24

Right Out: -755.771 ± 694.085 χ^2/NDF : 27.1/33

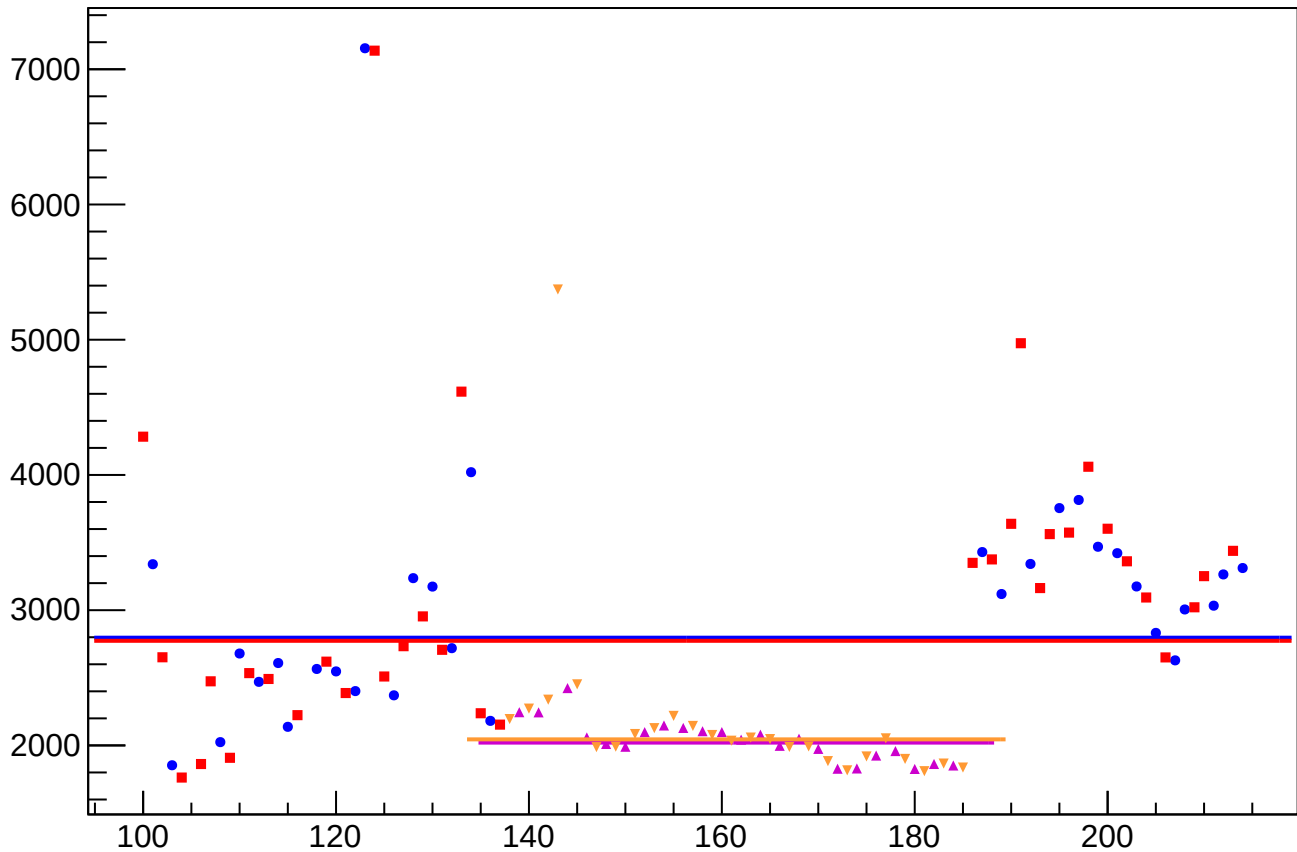
Left In: -397.398 ± 485.048 χ^2/NDF : 21.8/22

+ sign -517.443 ± 396.964 χ^2/NDF : 74.0/55

All: -516.217 ± 280.915 χ^2/NDF : 123.0/112

- sign -514.988 ± 397.585 χ^2/NDF : 49.0/56

asym_at2_dd_rms vs Slug



Right In: 2796.601 $\pm$ 0.496 χ^2 /NDF: 1259286.1/30

Left Out: 2044.722 $\pm$ 0.340 χ^2 /NDF: 788703.5/24

Right Out: 2773.623 $\pm$ 0.491 χ^2 /NDF: 1818654.1/33

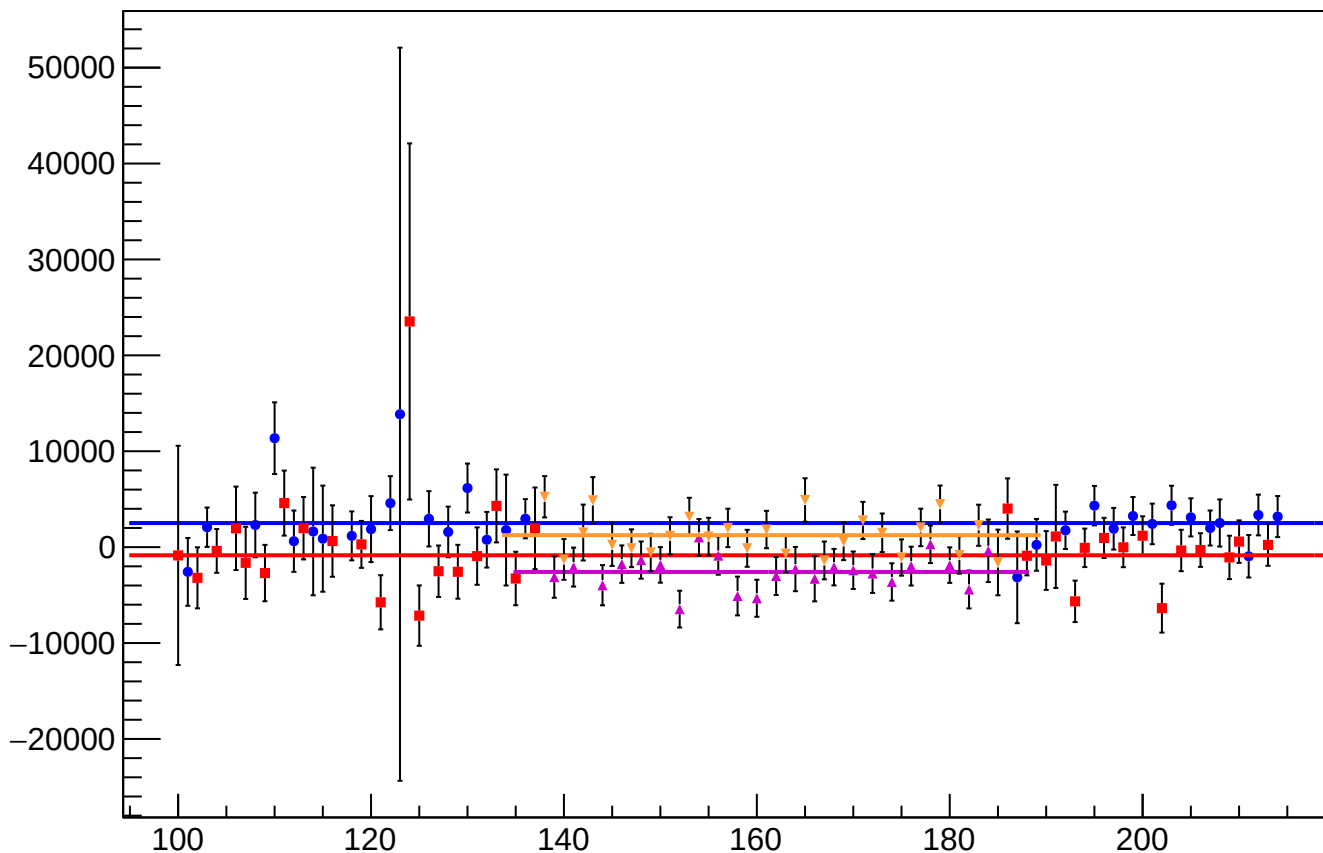
Left In: 2020.802 $\pm$ 0.343 χ^2 /NDF: 173502.0/22

+ sign 2285.529 $\pm$ 0.281 χ^2 /NDF: 3609983.6/55

All: 2276.688 $\pm$ 0.199 χ^2 /NDF: 7184944.6/11

- sign 2267.820 $\pm$ 0.281 χ^2 /NDF: 3572973.8/56

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2512.586 $\pm$ 457.554 χ^2 /NDF: 18.7/30

Left Out: 1249.917 $\pm$ 412.486 χ^2 /NDF:23.0/24

Right Out: -847.353 $\pm$ 457.903 χ^2 /NDF: 32.7/33

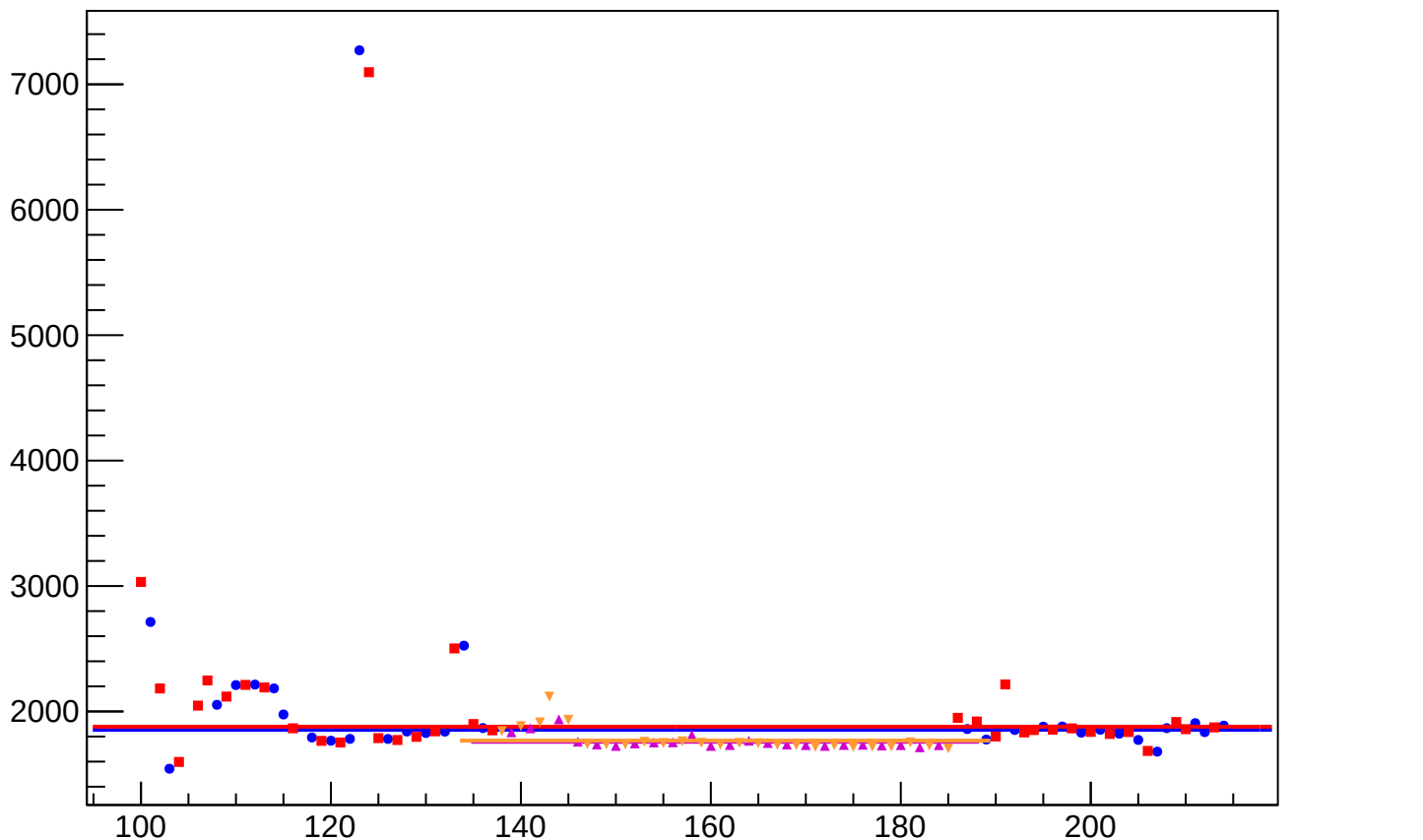
Left In: -2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

+ sign 1816.020 $\pm$ 306.369 χ^2 /NDF: 45.9/55

All: 35.445 $\pm$ 217.950 χ^2 /NDF: 172.3/112

- sign -1789.011 $\pm$ 310.122 χ^2 /NDF: 58.0/56

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1853.770 $\pm$ 0.324 χ^2 /NDF: 319448.7/30

Left Out: 1767.517 $\pm$ 0.292 χ^2 /NDF: 77674.7/24

Right Out: 1878.357 $\pm$ 0.324 χ^2 /NDF: 409784.7/33

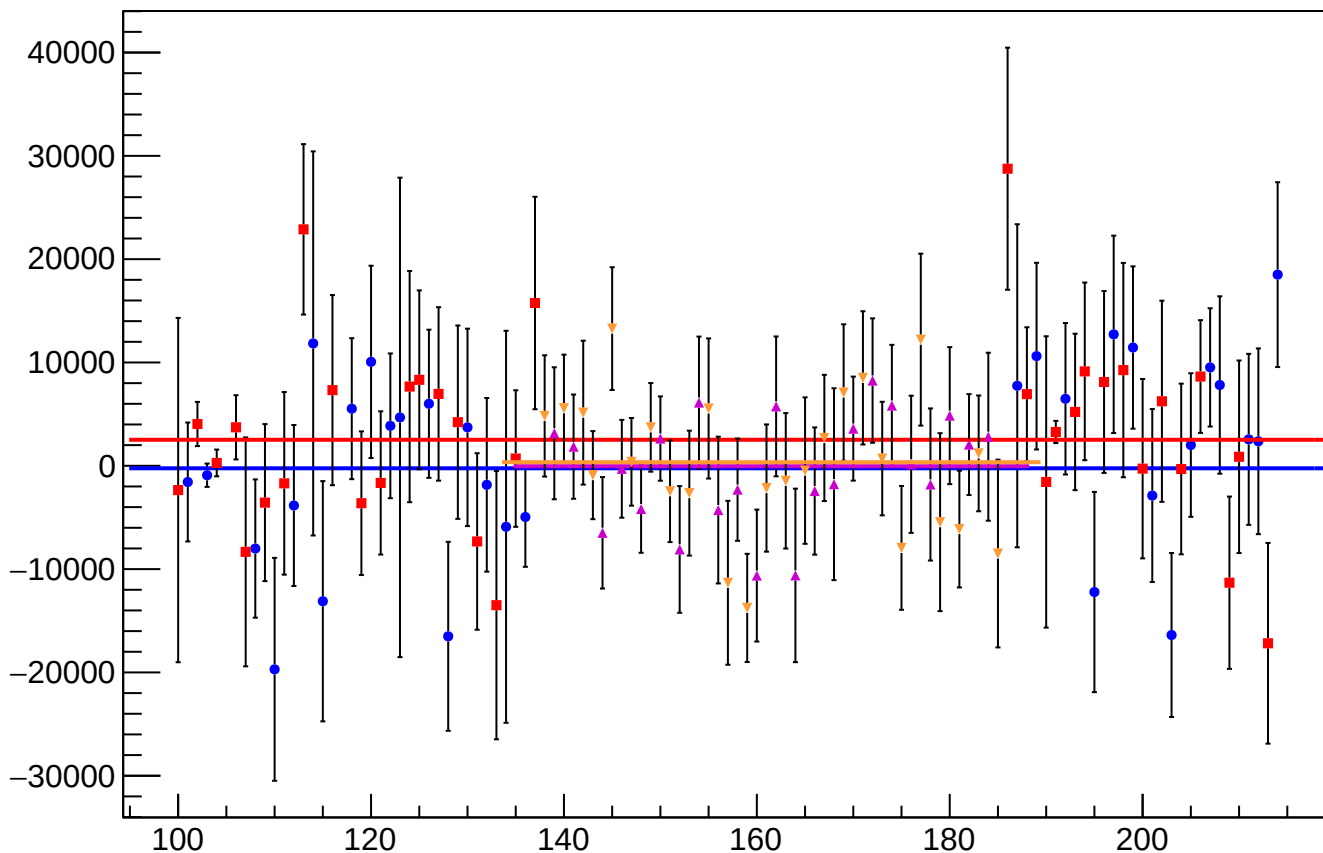
Left In: 1758.076 $\pm$ 0.298 χ^2 /NDF: 29806.0/22

+ sign 1806.187 $\pm$ 0.217 χ^2 /NDF: 436330.8/55

All: 1809.693 $\pm$ 0.154 χ^2 /NDF: 951201.7/112

- sign 1813.284 $\pm$ 0.219 χ^2 /NDF: 514340.8/56

asym_atl1r2_avg_correction_mean vs Slug



Right In: -240.927 ± 898.989 χ^2/NDF : 35.2/30

Left Out: 351.227 ± 1170.051 χ^2/NDF : 27.8/24

Right Out: 2519.739 ± 674.489 χ^2/NDF : 34.8/33

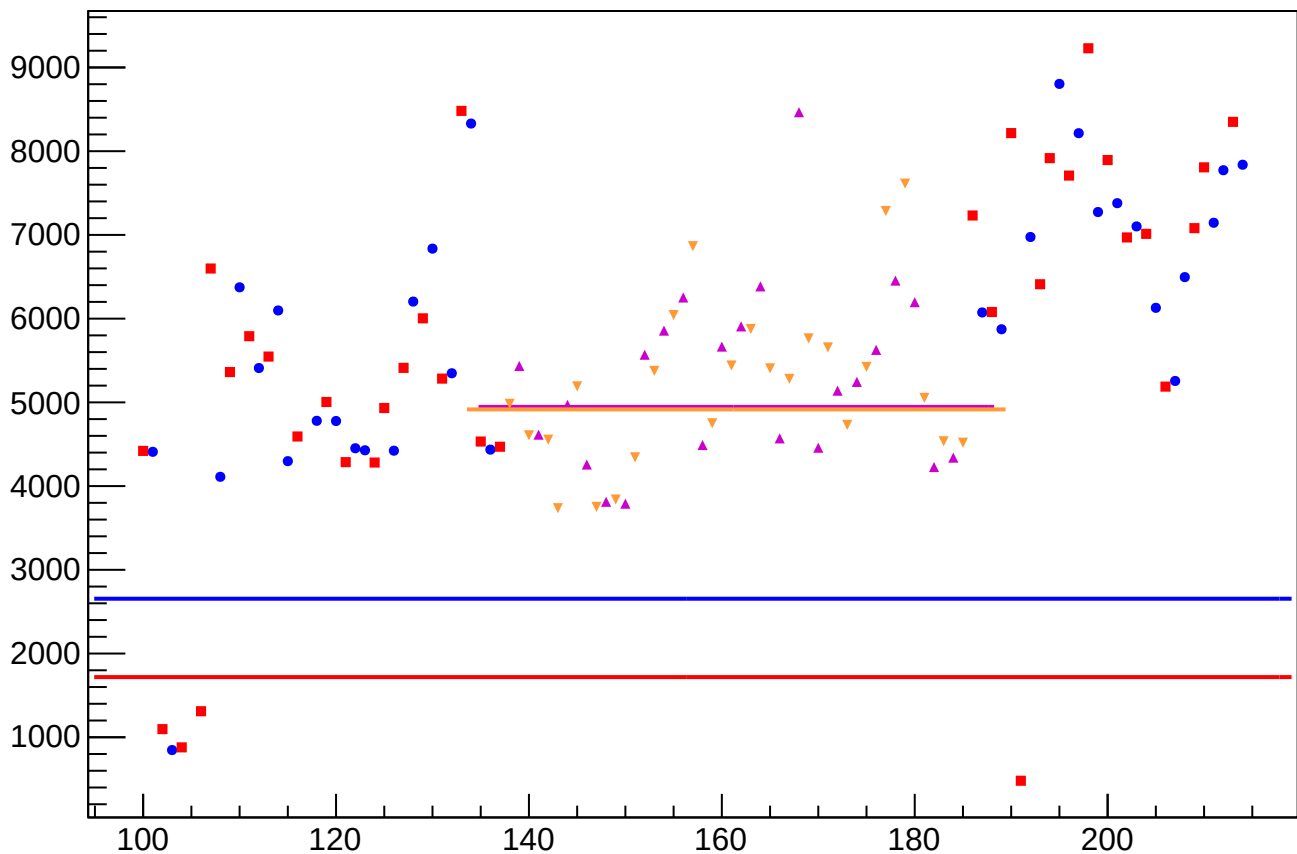
Left In: -40.618 ± 1207.491 χ^2/NDF : 16.0/22

+ sign -21.118 ± 712.870 χ^2/NDF : 63.2/55

All: 1127.272 ± 453.994 χ^2/NDF : 121.8/112

- sign 1910.844 ± 588.850 χ^2/NDF : 54.2/56

asym_atl1r2_avg_correction_rms vs Slug



Right In: 2654.859 $\pm$ 0.636 χ^2 /NDF: 15614227.9/30

Left Out: 4915.865 $\pm$ 0.827 χ^2 /NDF:1186479.7/24

Right Out: 1718.698 $\pm$ 0.477 χ^2 /NDF: 20371063.6/33

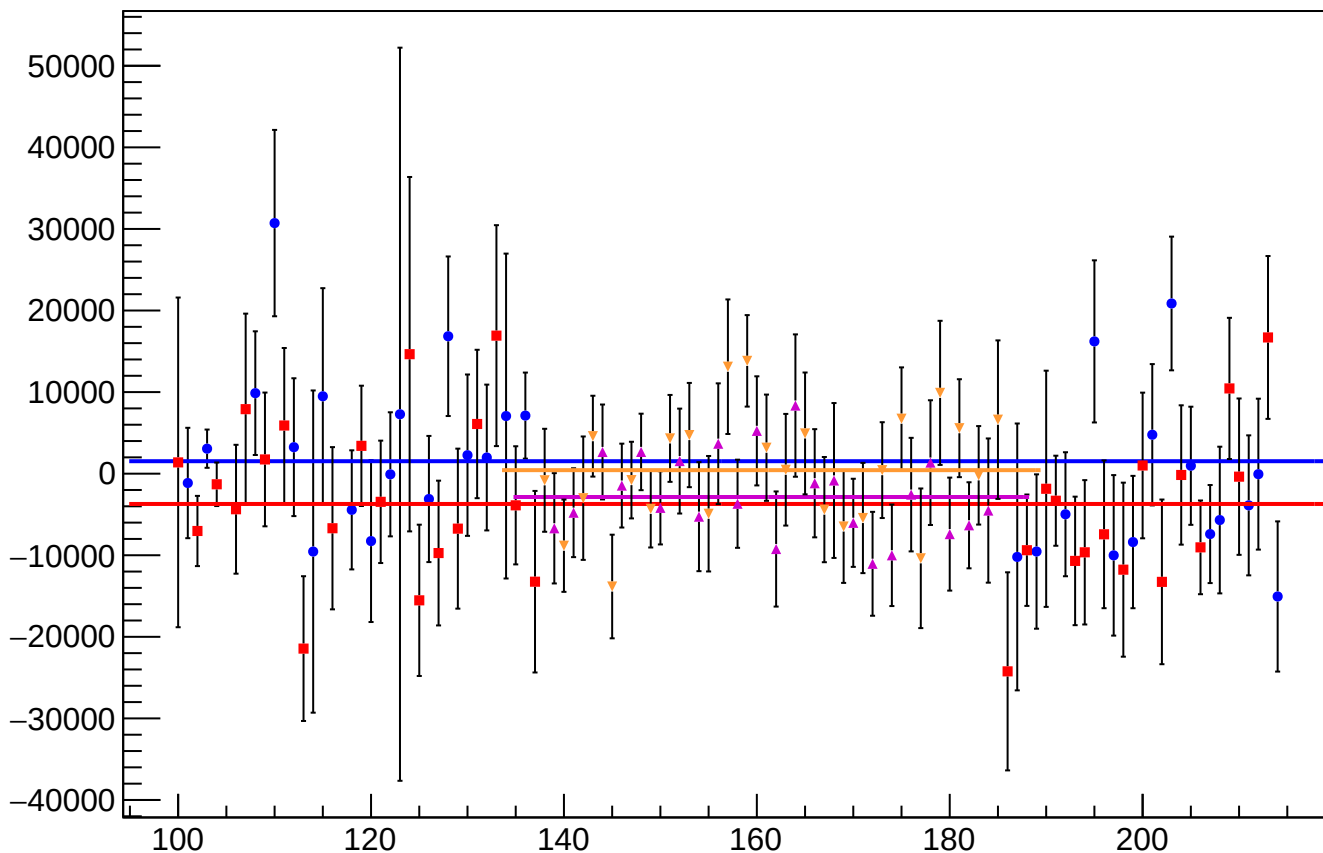
Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

+ sign 3494.149 $\pm$ 0.504 χ^2 /NDF: 21496780.7/55

All: 2894.984 $\pm$ 0.321 χ^2 /NDF: 56321122.9/1

- sign 2486.160 $\pm$ 0.416 χ^2 /NDF: 32447436.5/56

asym_atl1r2_avg_mean vs Slug



Right In: 1528.615+/-1314.856 χ^2/NDF : 34.7/30

Left Out: 430.860+/-1258.273 χ^2/NDF : 27.1/24

Right Out: -3713.905+/-1287.685 χ^2/NDF : 30.8/33

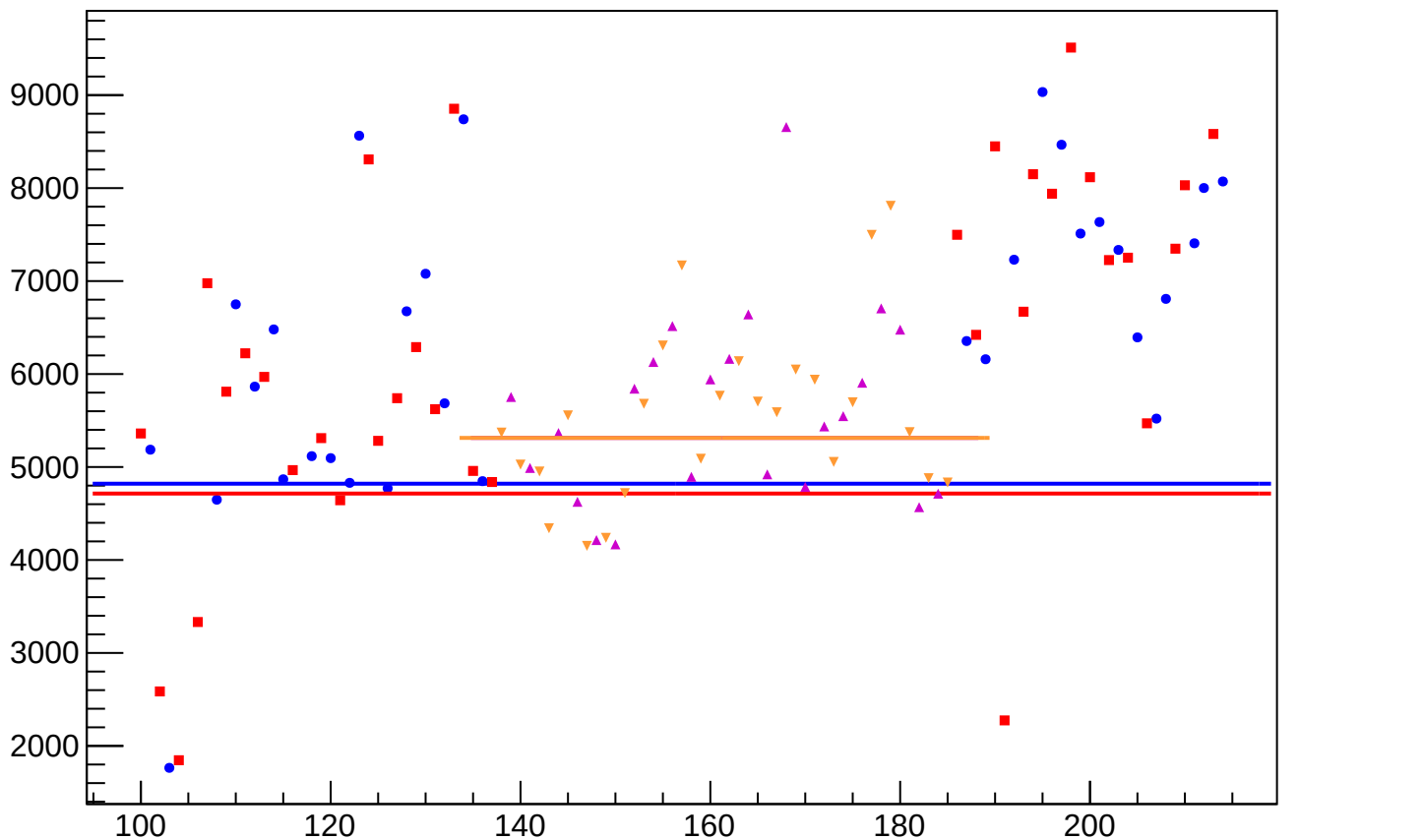
Left In: -2860.252+/-1292.328 χ^2/NDF : 12.9/22

+ sign 955.610+/-909.079 χ^2/NDF : 62.2/55

All: -1159.303+/-643.905 χ^2/NDF : 116.9/112

- sign -3288.615+/-912.168 χ^2/NDF : 43.9/56

asym_atl1r2_avg_rms vs Slug



Right In: 4820.541+/-0.930 χ^2/NDF : 6196546.1/30

Left Out: 5313.008+/-0.890 χ^2/NDF : 894369.8/24

Right Out: 4714.573+/-0.907 χ^2/NDF : 6637021.9/33

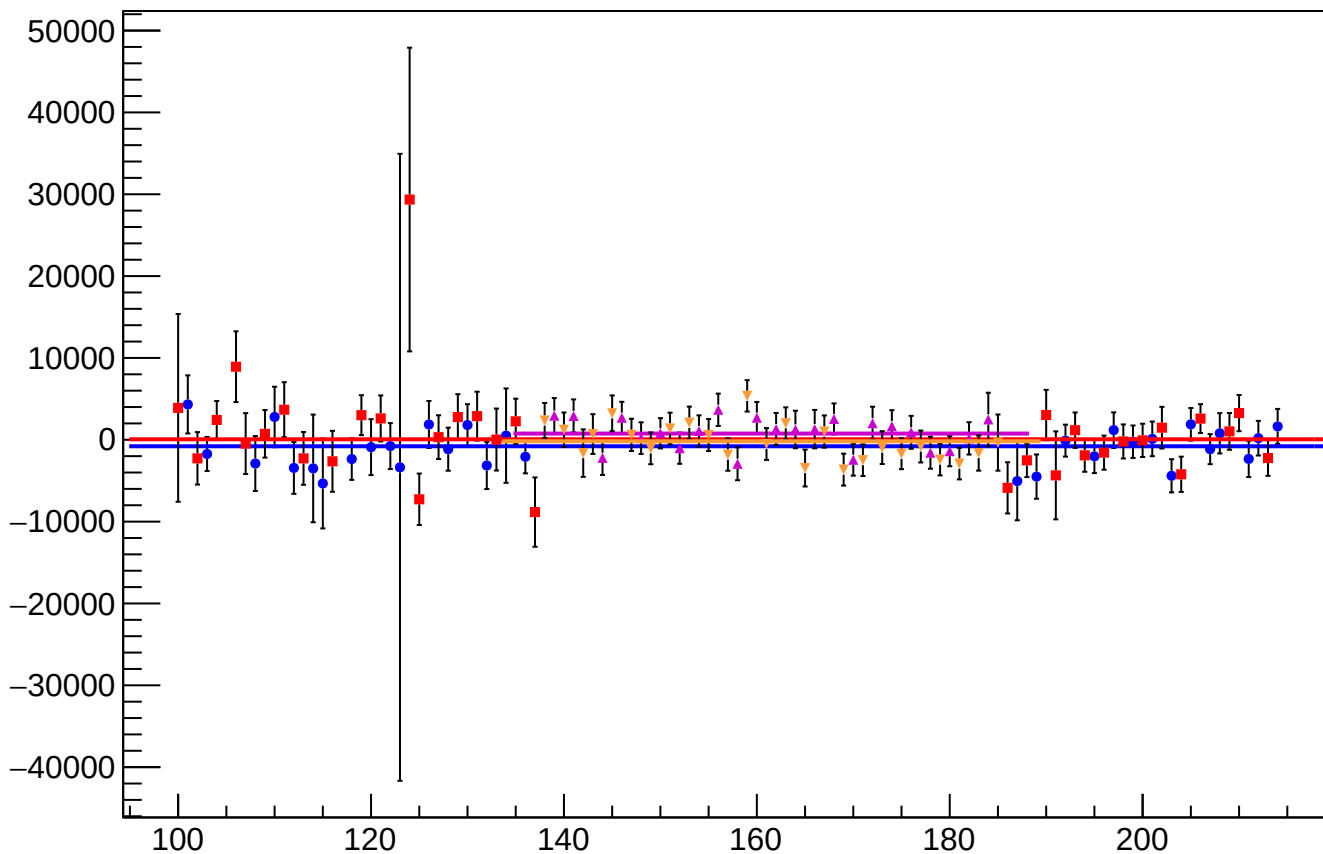
Left In: 5312.861+/-0.914 χ^2/NDF : 957400.7/22

+ sign 5077.599+/-0.643 χ^2/NDF : 7237363.3/55

All: 5044.518+/-0.455 χ^2/NDF : 15053106.9/100

- sign 5011.356+/-0.644 χ^2/NDF : 7810440.5/56

reg_asym_atl1r2_dd_mean vs Slug



Right In: -792.665 ± 457.180 χ^2/NDF : 20.2/30

Left Out: -179.794 ± 410.976 χ^2/NDF : 29.3/24

Right Out: 62.216 ± 457.462 χ^2/NDF : 43.6/33

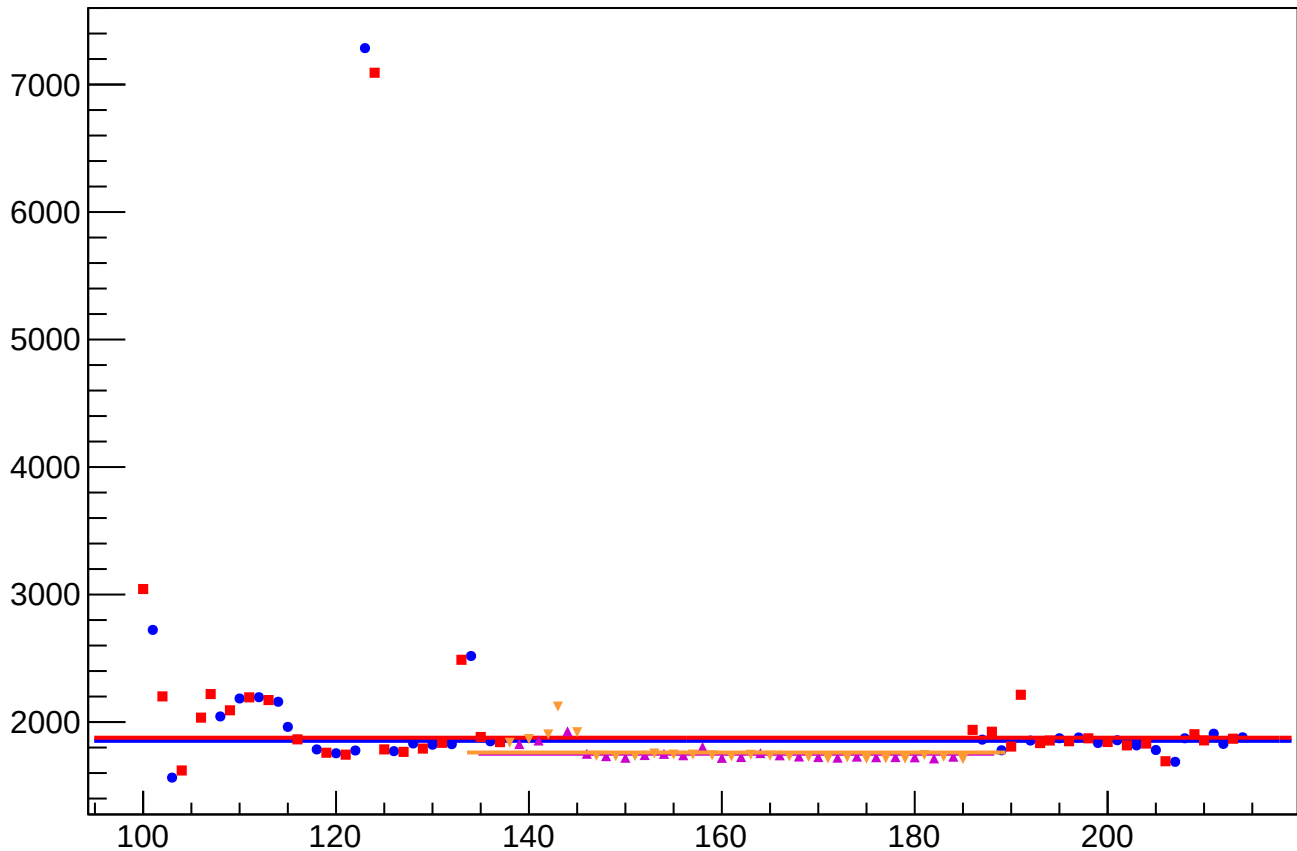
Left In: 759.753 ± 419.905 χ^2/NDF : 20.3/22

+ sign -453.704 ± 305.638 χ^2/NDF : 50.5/55

All: -11.848 ± 217.417 χ^2/NDF : 119.8/112

- sign 440.789 ± 309.344 χ^2/NDF : 65.1/56

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1852.654+/-0.323 χ^2/NDF : 306921.4/30

Left Out: 1761.091+/-0.291 χ^2/NDF : 77468.5/24

Right Out: 1877.175+/-0.323 χ^2/NDF : 394860.7/33

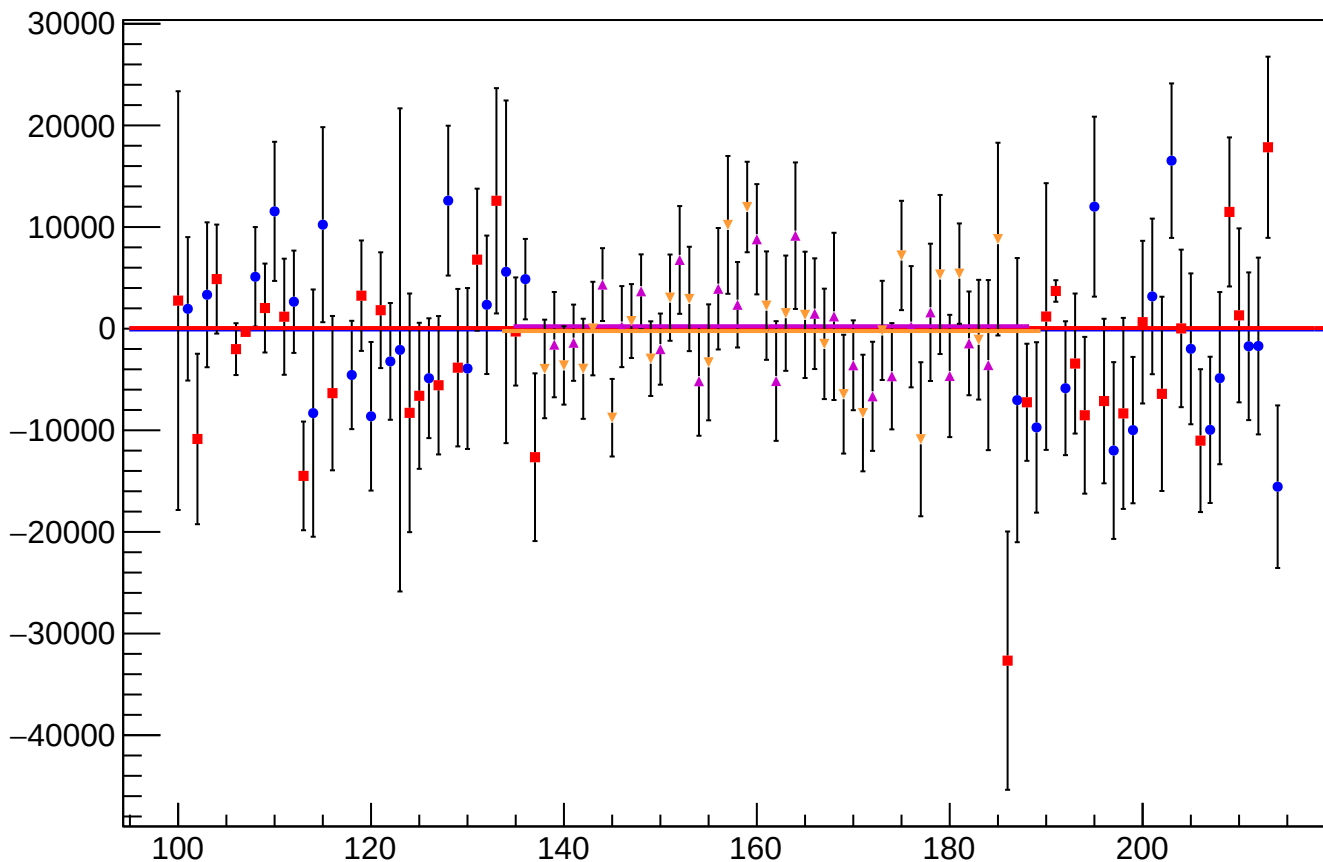
Left In: 1751.418+/-0.297 χ^2/NDF : 28578.7/22

+ sign 1802.013+/-0.216 χ^2/NDF : 428758.9/55

All: 1805.446+/-0.154 χ^2/NDF : 934792.5/112

- sign 1808.961+/-0.219 χ^2/NDF : 505522.9/56

asym_atl1r2_dd_correction_mean vs Slug



Right In: -80.713 ± 1270.946 χ^2/NDF : 33.3/30

Left Out: -235.806 ± 1005.144 χ^2/NDF : 28.9/24

Right Out: 60.776 ± 409.550 χ^2/NDF : 52.0/33

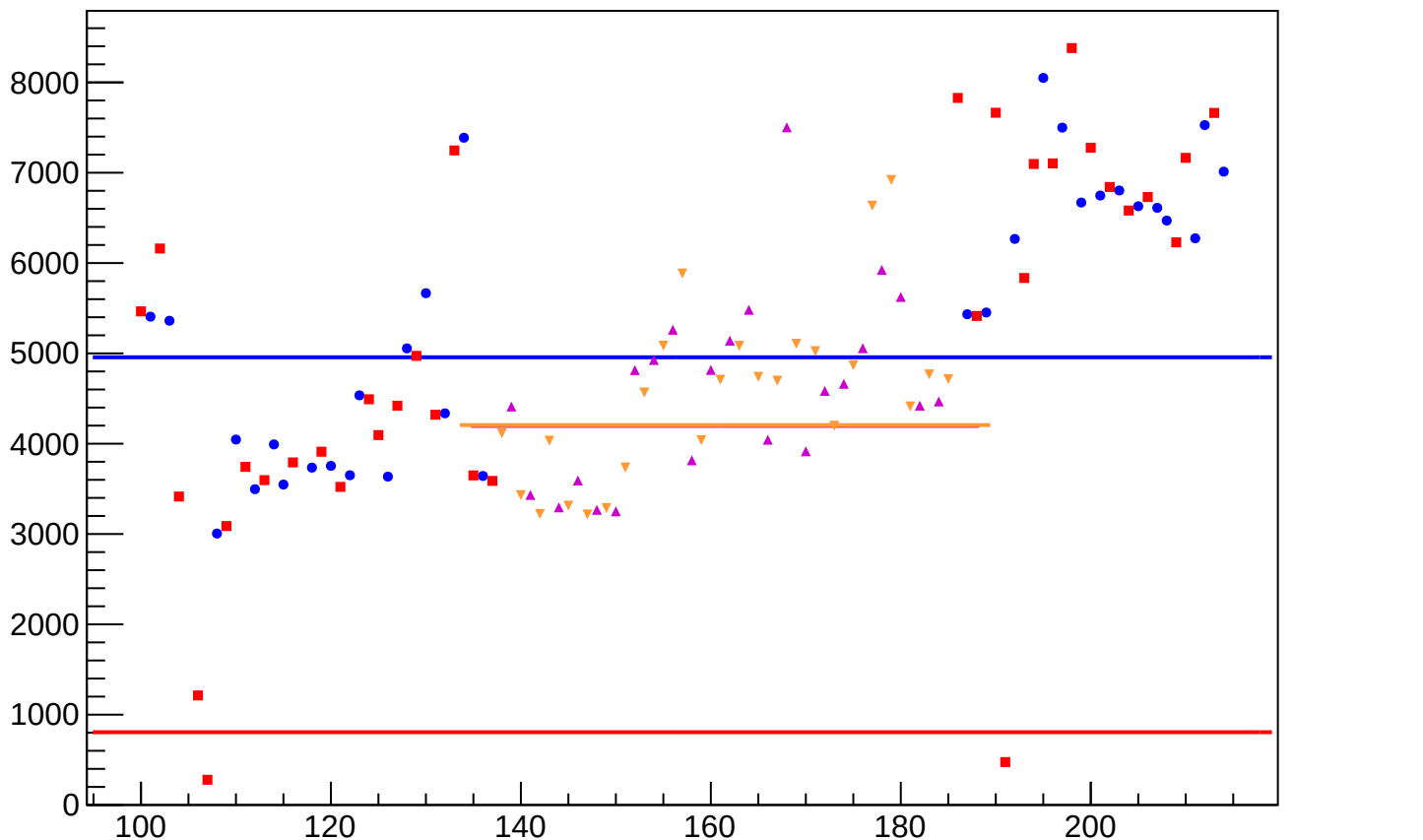
Left In: 239.224 ± 1028.883 χ^2/NDF : 15.3/22

+ sign -176.127 ± 788.387 χ^2/NDF : 62.2/55

All: 35.812 ± 342.686 χ^2/NDF : 129.6/112

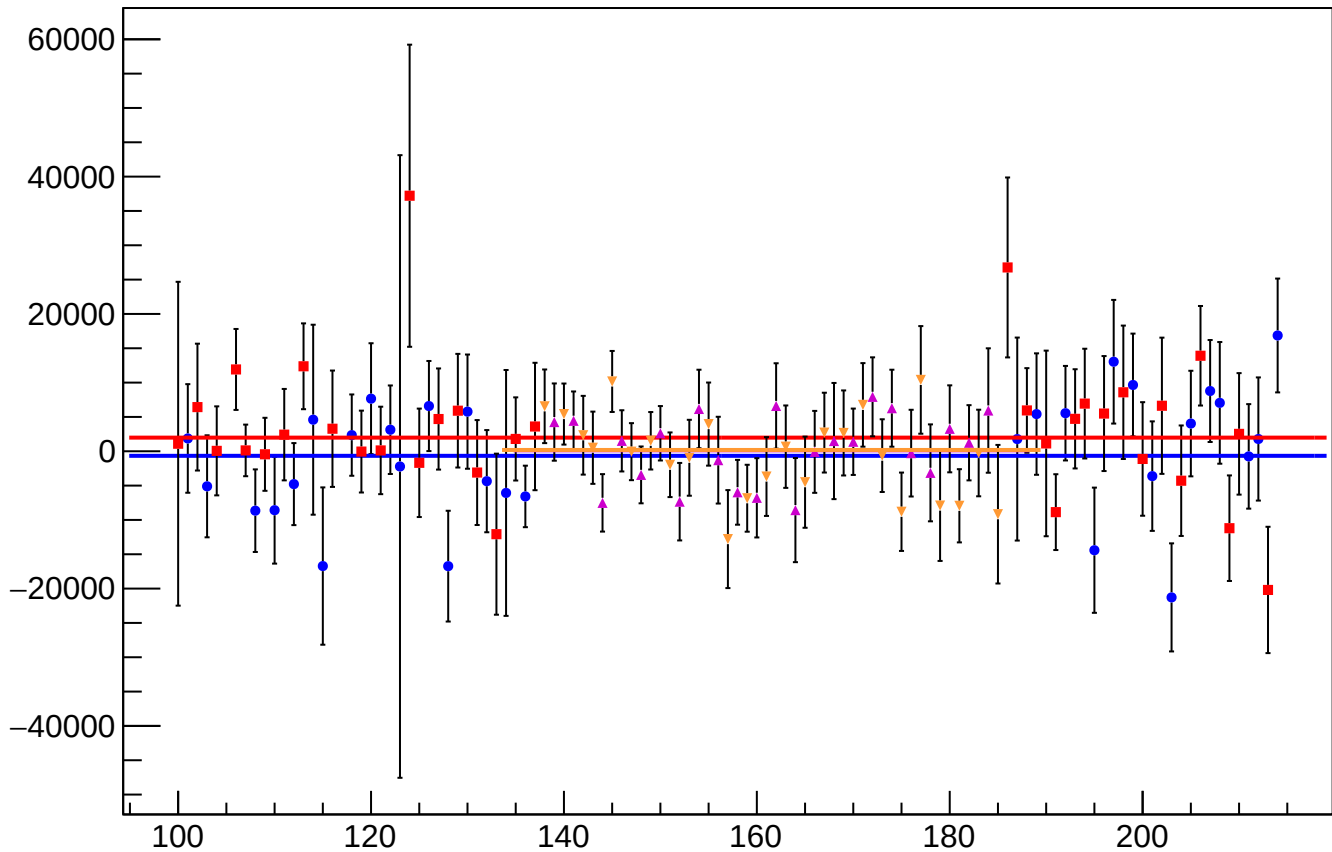
- sign 85.183 ± 380.513 χ^2/NDF : 67.4/56

asym_atl1r2_dd_correction_rms vs Slug



Right In: 4956.765+/-0.899	χ^2/NDF : 2738082.9/30	+ sign 4494.934+/-0.557	χ^2/NDF : 4609610.1/55
Left Out: 4206.076+/-0.711	χ^2/NDF : 1442269.3/24	All: 1879.174+/-0.242	χ^2/NDF : 78142951.5/1
Right Out: 805.996+/-0.290	χ^2/NDF : 26160935.1/33	- sign 1269.837+/-0.269	χ^2/NDF : 46388234.7/56
Left In: 4197.267+/-0.728	χ^2/NDF : 1471012.9/22		

asym_atl1r2_dd_mean vs Slug



Right In: -663.687 ± 1391.820 χ^2/NDF : 37.5/30

Left Out: 189.721 ± 1106.851 χ^2/NDF : 25.0/24

Right Out: 1986.160 ± 1257.351 χ^2/NDF : 33.1/33

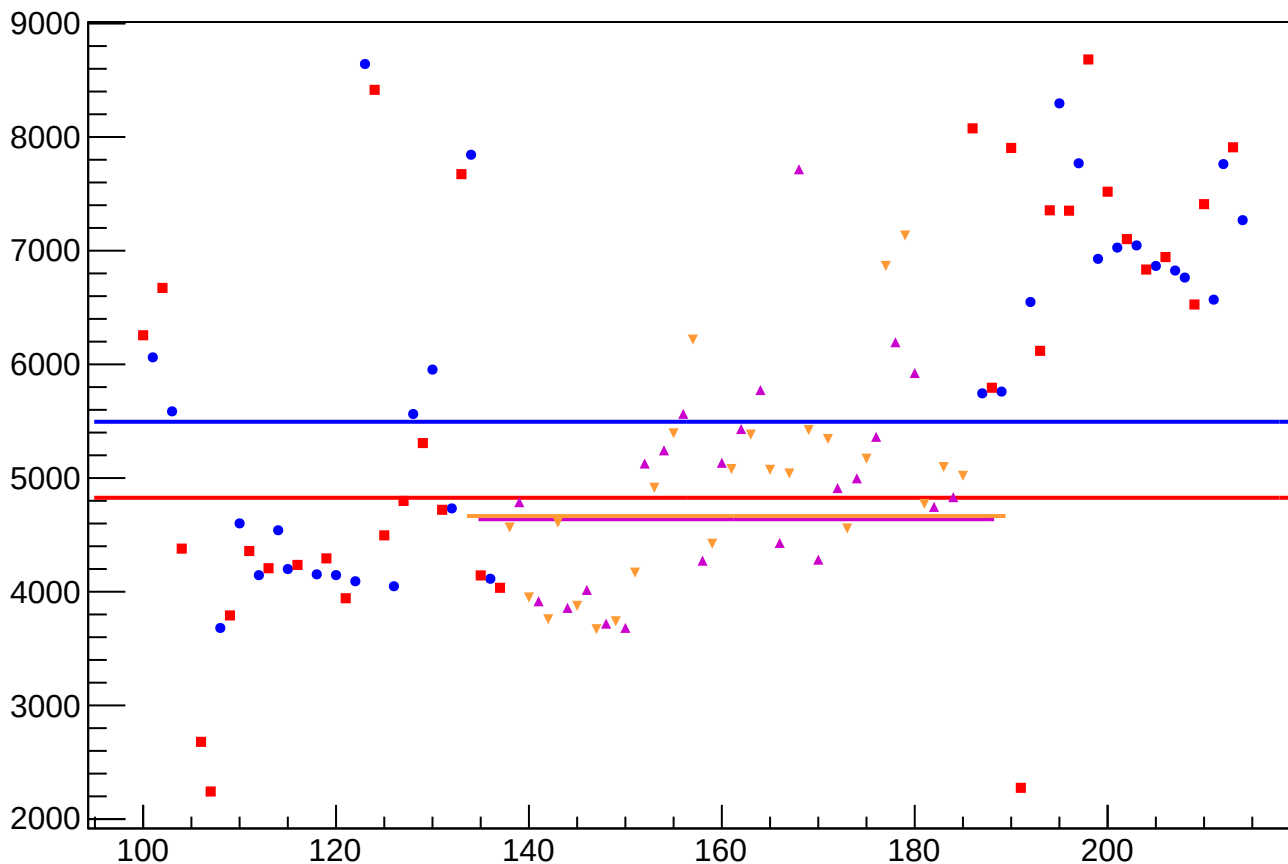
Left In: 137.477 ± 1129.656 χ^2/NDF : 18.6/22

+ sign -140.903 ± 866.307 χ^2/NDF : 62.7/55

All: 427.961 ± 603.173 χ^2/NDF : 116.4/112

- sign 963.204 ± 840.318 χ^2/NDF : 52.9/56

asym_atl1r2_dd_rms vs Slug



Right In: 5495.032 $\pm$ 0.984 χ^2 /NDF: 1986258.7/30

Left Out: 4665.620 $\pm$ 0.783 χ^2 /NDF:1017235.0/24

Right Out: 4826.521 $\pm$ 0.885 χ^2 /NDF: 4316723.2/33

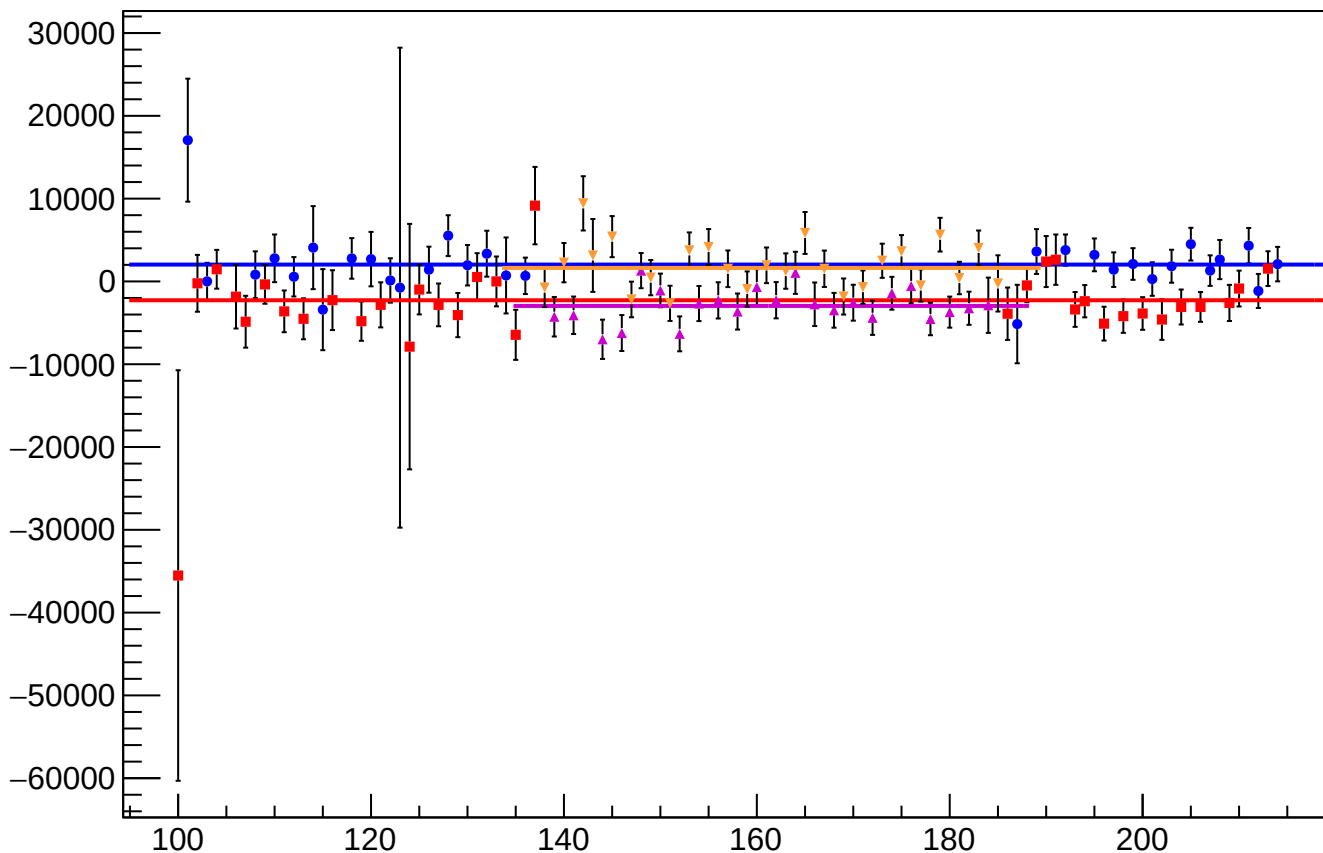
Left In: 4637.777 $\pm$ 0.799 χ^2 /NDF:1065217.2/22

+ sign 4986.947 $\pm$ 0.613 χ^2 /NDF: 3438574.5/55

All: 4850.436 $\pm$ 0.426 χ^2 /NDF: 8941783.0/11

- sign 4722.463 $\pm$ 0.593 χ^2 /NDF: 5406991.2/56

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2033.790 ± 442.959 χ^2/NDF : 20.4/30

Left Out: 1630.035 ± 447.063 χ^2/NDF : 35.4/24

Right Out: -2276.525 ± 435.968 χ^2/NDF : 33.3/33

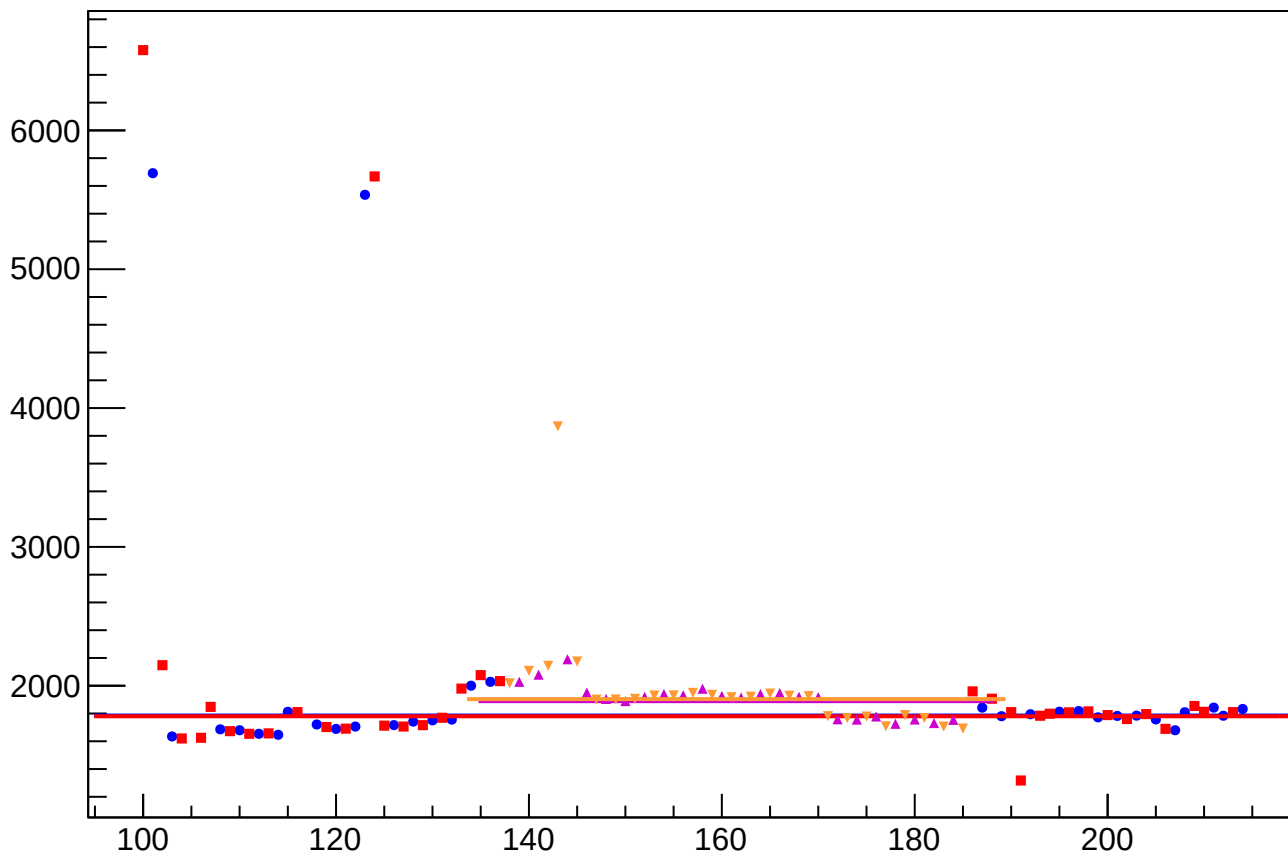
Left In: -2958.620 ± 453.688 χ^2/NDF : 20.4/22

+ sign 1833.774 ± 314.660 χ^2/NDF : 56.2/55

All: -387.272 ± 222.390 χ^2/NDF : 210.6/112

- sign -2603.992 ± 314.354 χ^2/NDF : 54.9/56

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1785.315 $\pm$ 0.313 χ^2 /NDF: 655584.6/30

Left Out: 1903.618 $\pm$ 0.316 χ^2 /NDF: 541575.7/24

Right Out: 1779.999 $\pm$ 0.307 χ^2 /NDF: 377059.5/33

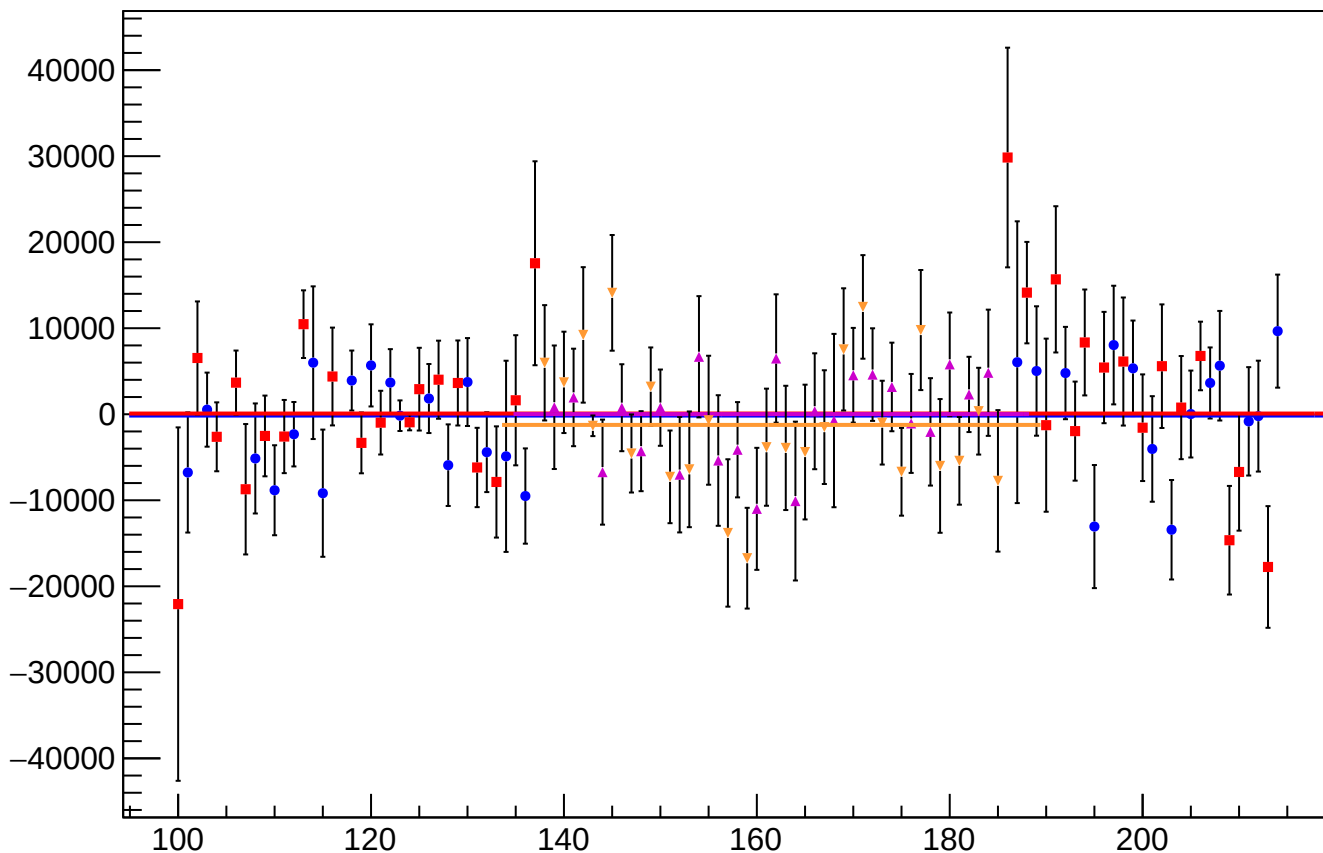
Left In: 1888.927 $\pm$ 0.321 χ^2 /NDF: 126417.2/22

+ sign 1843.921 $\pm$ 0.222 χ^2 /NDF: 1267831.0/55

All: 1838.017 $\pm$ 0.157 χ^2 /NDF: 1832814.2/11

- sign 1832.142 $\pm$ 0.222 χ^2 /NDF: 563578.4/56

asym_atr1l2_avg_correction_mean vs Slug



Right In: -152.834 ± 857.843 χ^2/NDF : 33.3/30

Left Out: -1239.833 ± 865.201 χ^2/NDF : 33.9/24

Right Out: 81.532 ± 665.517 χ^2/NDF : 56.6/33

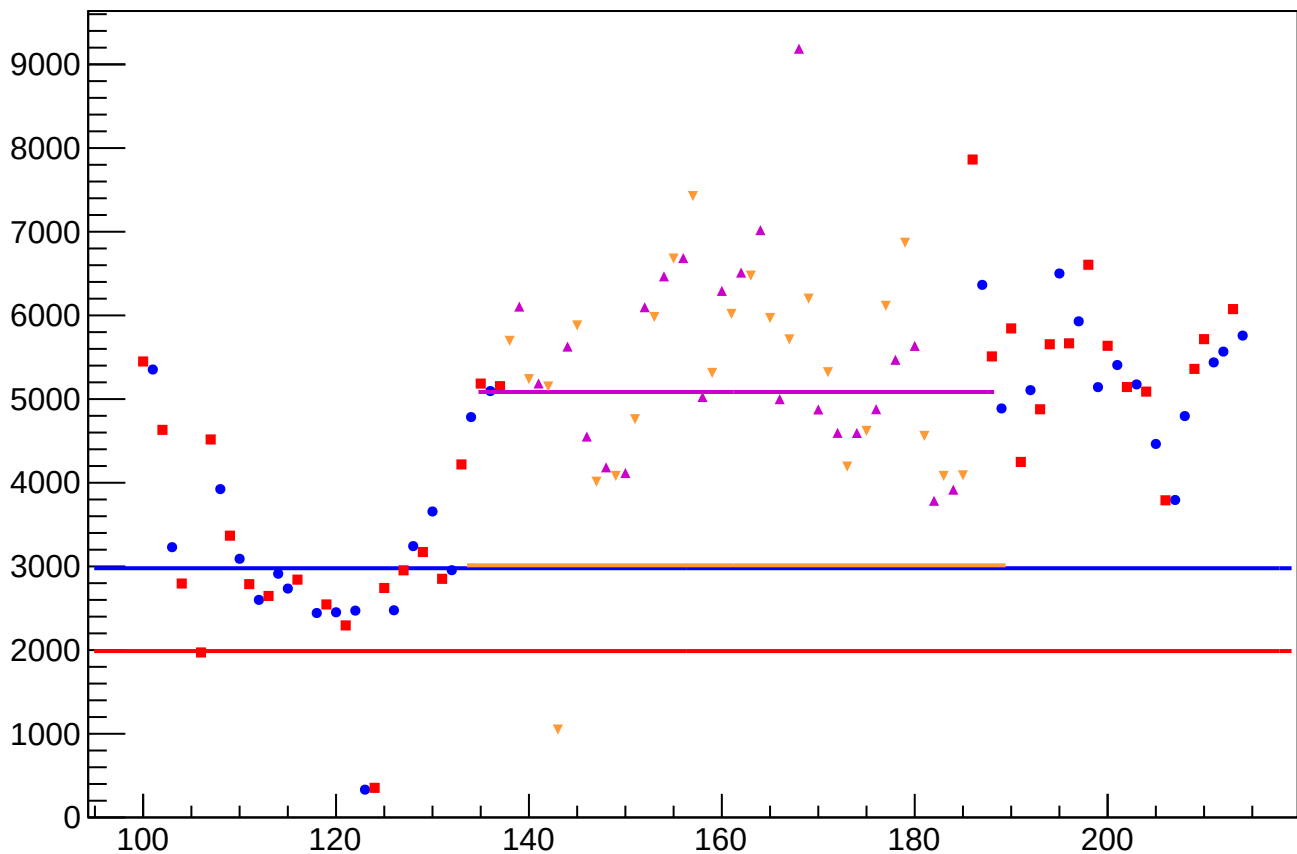
Left In: 15.863 ± 1243.317 χ^2/NDF : 13.2/22

+ sign -691.691 ± 609.171 χ^2/NDF : 68.0/55

All: -298.173 ± 422.598 χ^2/NDF : 138.6/112

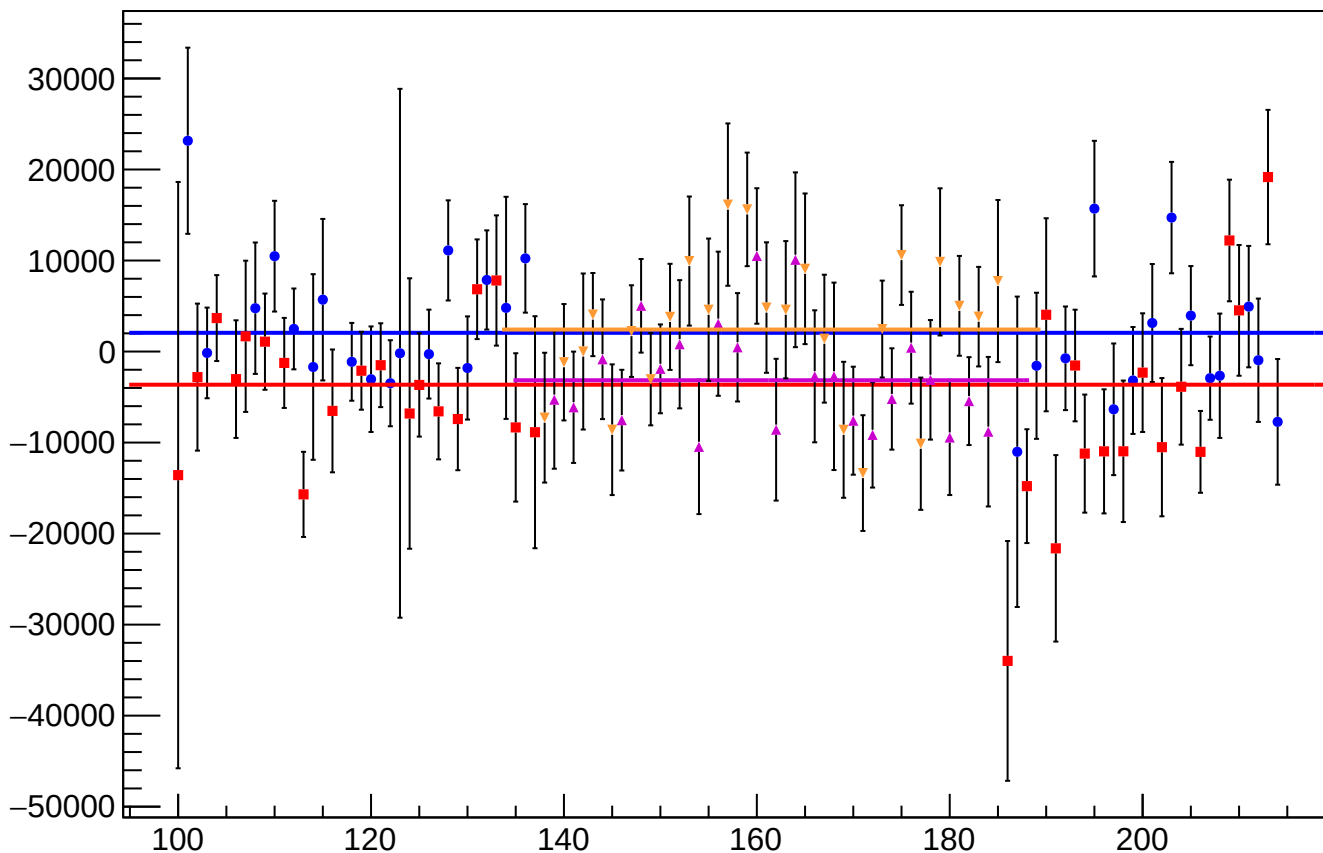
- sign 66.907 ± 586.747 χ^2/NDF : 69.8/56

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2978.538 $\pm$ 0.607	χ^2 /NDF: 8943211.6/30	+ sign 2995.755 $\pm$ 0.431	χ^2 /NDF: 21215590.6/55
Left Out: 3013.268 $\pm$ 0.612	χ^2 /NDF: 12270753.9/24	All: 2831.024 $\pm$ 0.299	χ^2 /NDF: 48765899.6/1
Right Out: 1988.704 $\pm$ 0.471	χ^2 /NDF: 16325720.6/33	- sign 2678.198 $\pm$ 0.415	χ^2 /NDF: 27268375.1/56
Left In: 5084.645 $\pm$ 0.879	χ^2 /NDF: 1303587.7/22		

asym_atr1l2_avg_mean vs Slug



Right In: 2057.503 $\pm$ 1111.819 χ^2 /NDF: 31.0/30

Left Out: 2417.210 $\pm$ 1286.482 χ^2 /NDF:29.9/24

Right Out: -3643.585 $\pm$ 1093.497 χ^2 /NDF: 54.3/33

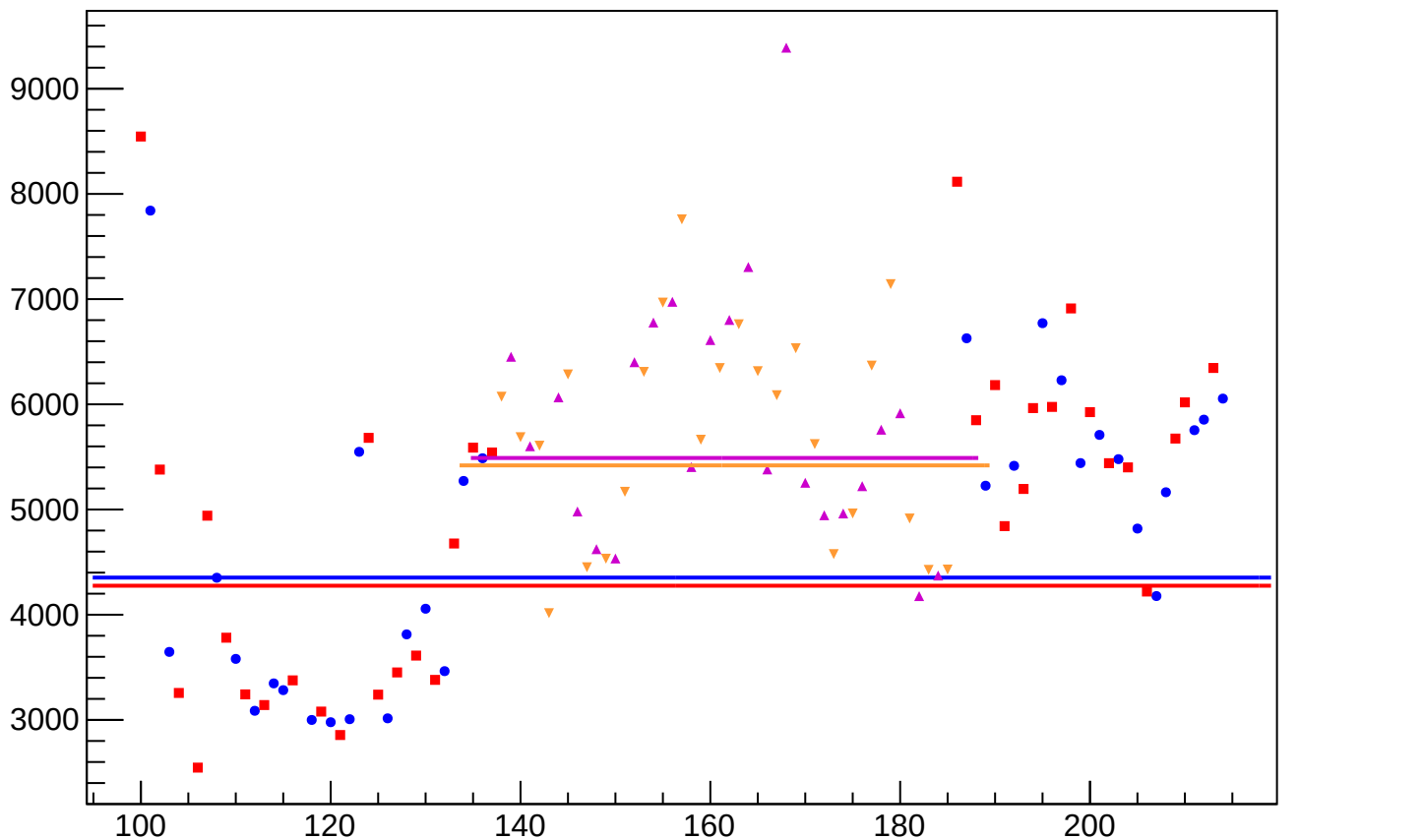
Left In: -3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

+ sign 2211.298 $\pm$ 841.202 χ^2 /NDF: 61.0/55

All: -600.044 $\pm$ 596.699 χ^2 /NDF: 153.3/112

- sign -3447.200 $\pm$ 846.544 χ^2 /NDF: 69.9/56

asym_atr1l2_avg_rms vs Slug



Right In: 4352.888+/-0.786 χ^2/NDF : 2359033.4/30

Left Out: 5419.305+/-0.910 χ^2/NDF : 1109972.1/24

Right Out: 4275.676+/-0.766 χ^2/NDF : 2810606.5/33

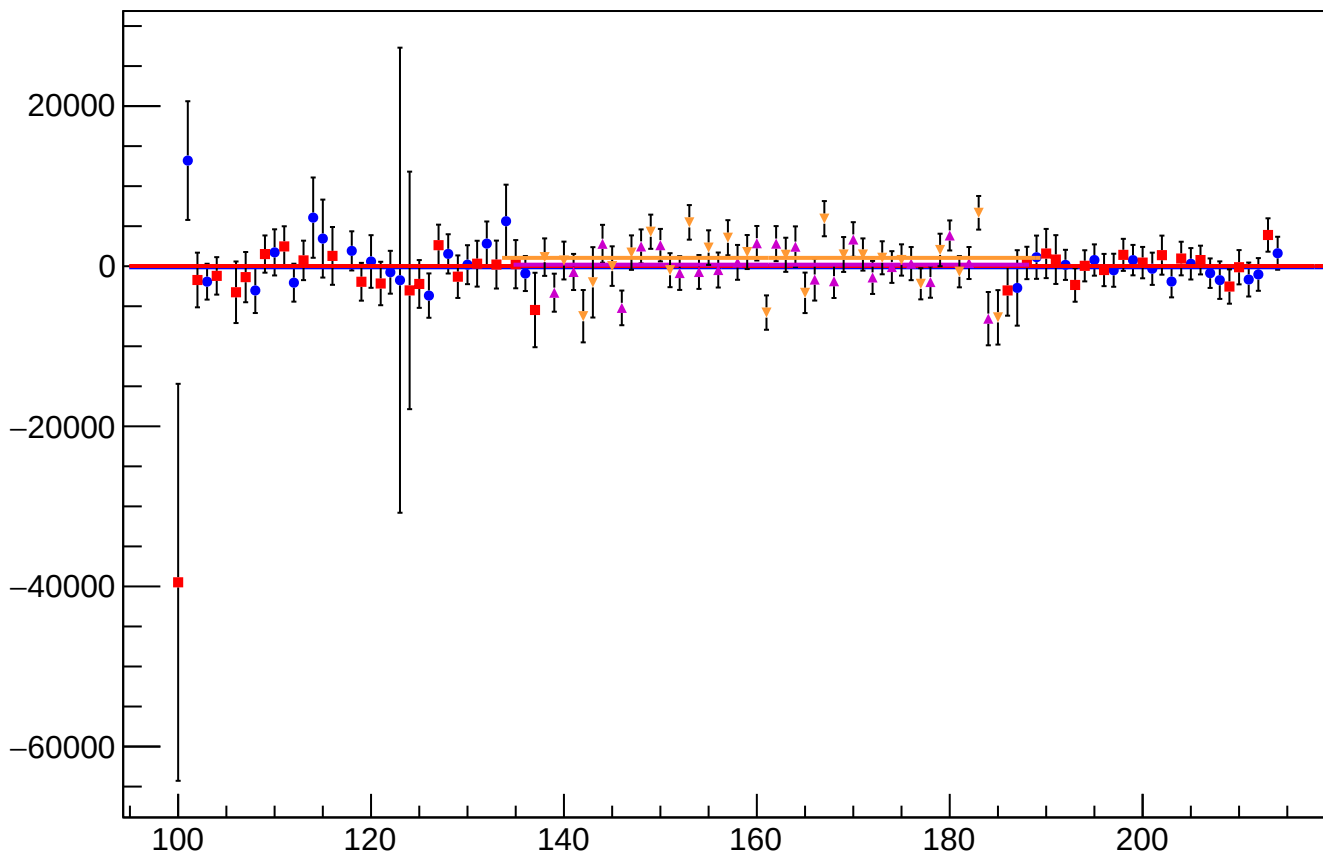
Left In: 5489.885+/-0.946 χ^2/NDF : 1064353.3/22

+ sign 4808.840+/-0.595 χ^2/NDF : 4255707.9/55

All: 4782.959+/-0.421 χ^2/NDF : 9129486.1/111

- sign 4757.026+/-0.595 χ^2/NDF : 4869988.2/56

reg_asym_atr1l2_dd_mean vs Slug



Right In: -134.854 ± 440.530 χ^2/NDF : 17.8/30

Left Out: 1041.262 ± 446.249 χ^2/NDF : 48.6/24

Right Out: 25.219 ± 433.627 χ^2/NDF : 18.9/33

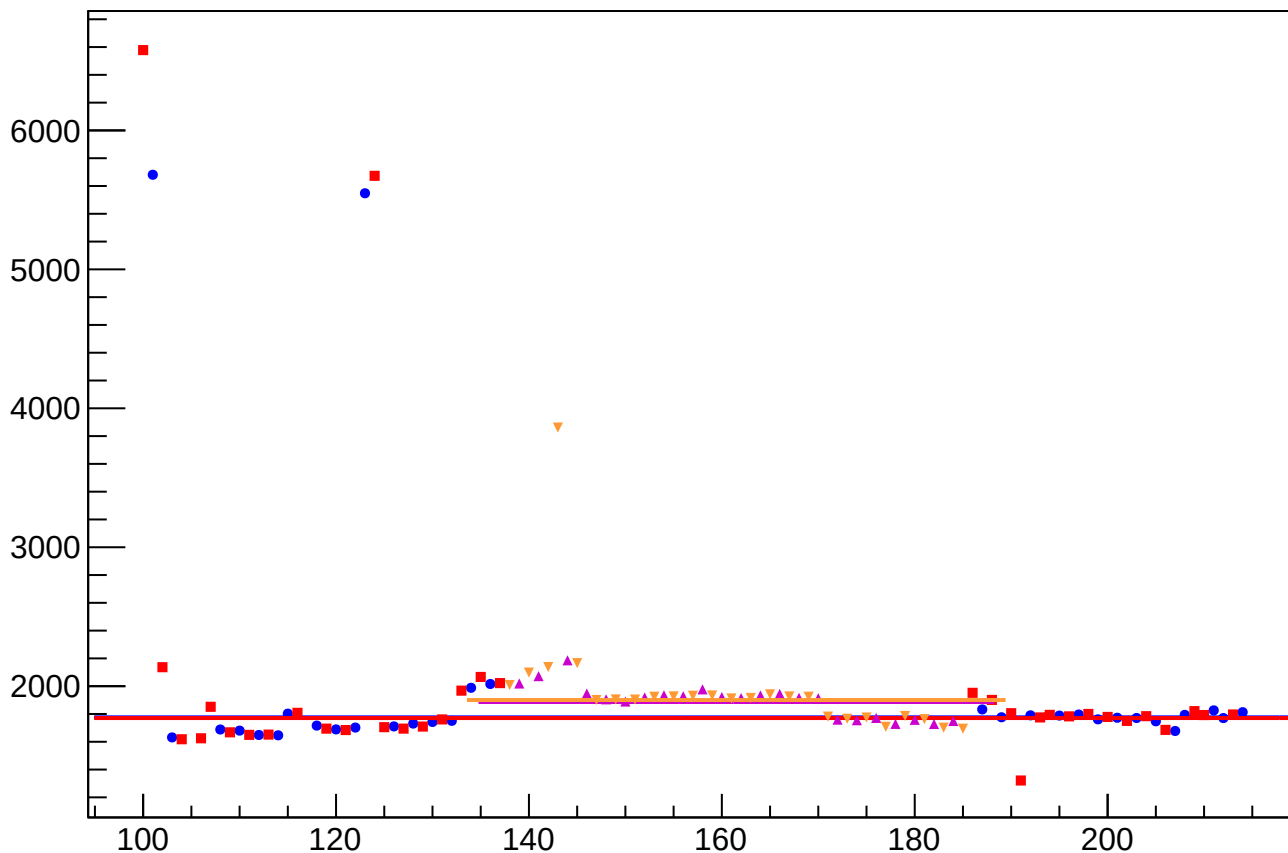
Left In: 191.966 ± 453.055 χ^2/NDF : 30.0/22

+ sign 445.619 ± 313.504 χ^2/NDF : 69.9/55

All: 275.149 ± 221.596 χ^2/NDF : 119.5/112

- sign 104.941 ± 313.264 χ^2/NDF : 49.0/56

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1775.672 $\pm$ 0.312 χ^2 /NDF: 651819.0/30

Left Out: 1900.295 $\pm$ 0.316 χ^2 /NDF: 537892.5/24

Right Out: 1770.716 $\pm$ 0.306 χ^2 /NDF: 371578.5/33

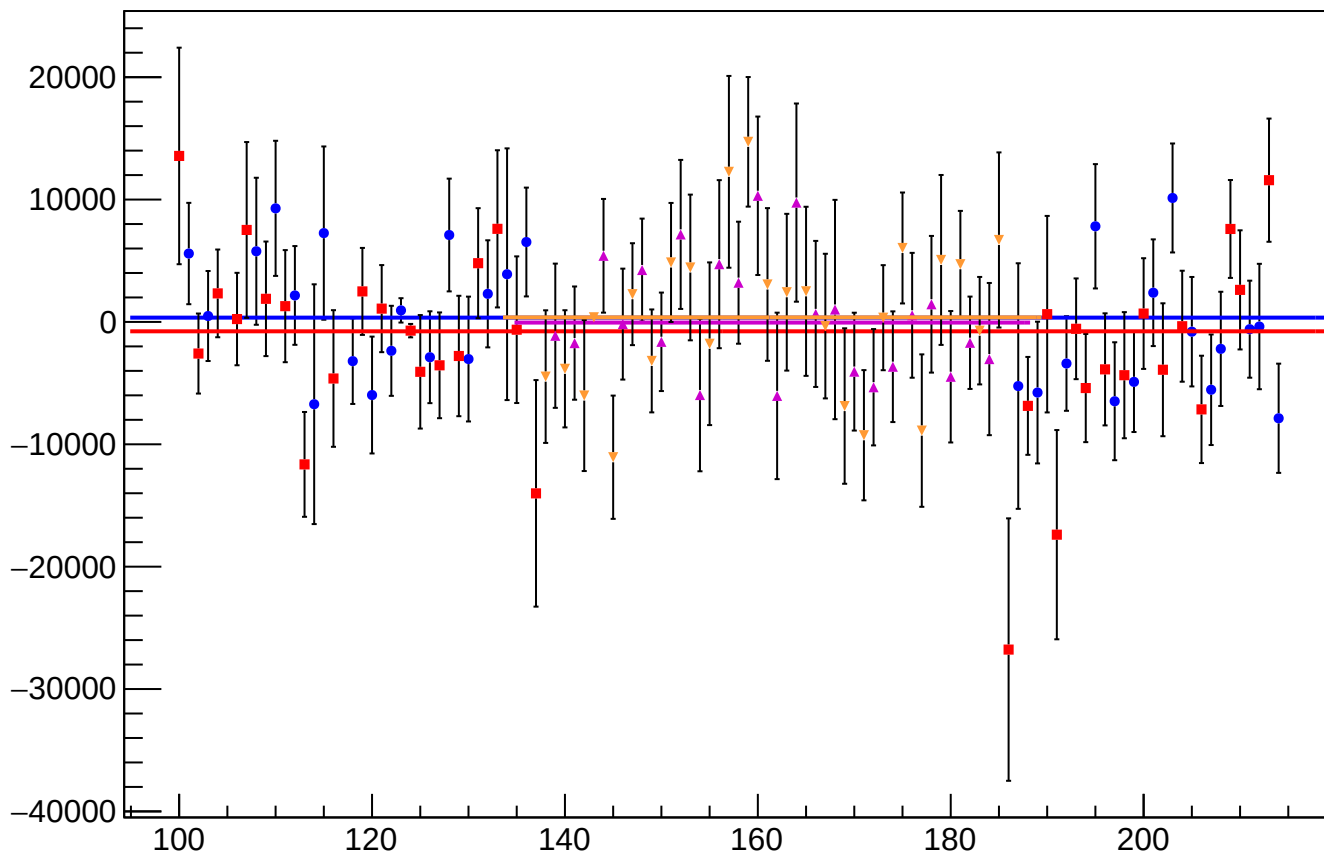
Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

+ sign 1837.179 $\pm$ 0.222 χ^2 /NDF: 1268708.2/55

All: 1831.504 $\pm$ 0.157 χ^2 /NDF: 1833324.7/11

- sign 1825.854 $\pm$ 0.221 χ^2 /NDF: 563308.5/56

asym_atr1l2_dd_correction_mean vs Slug



Right In: 351.467 ± 644.150 χ^2/NDF : 34.7/30

Left Out: 373.277 ± 382.071 χ^2/NDF : 30.8/24

Right Out: -766.507 ± 455.587 χ^2/NDF : 47.5/33

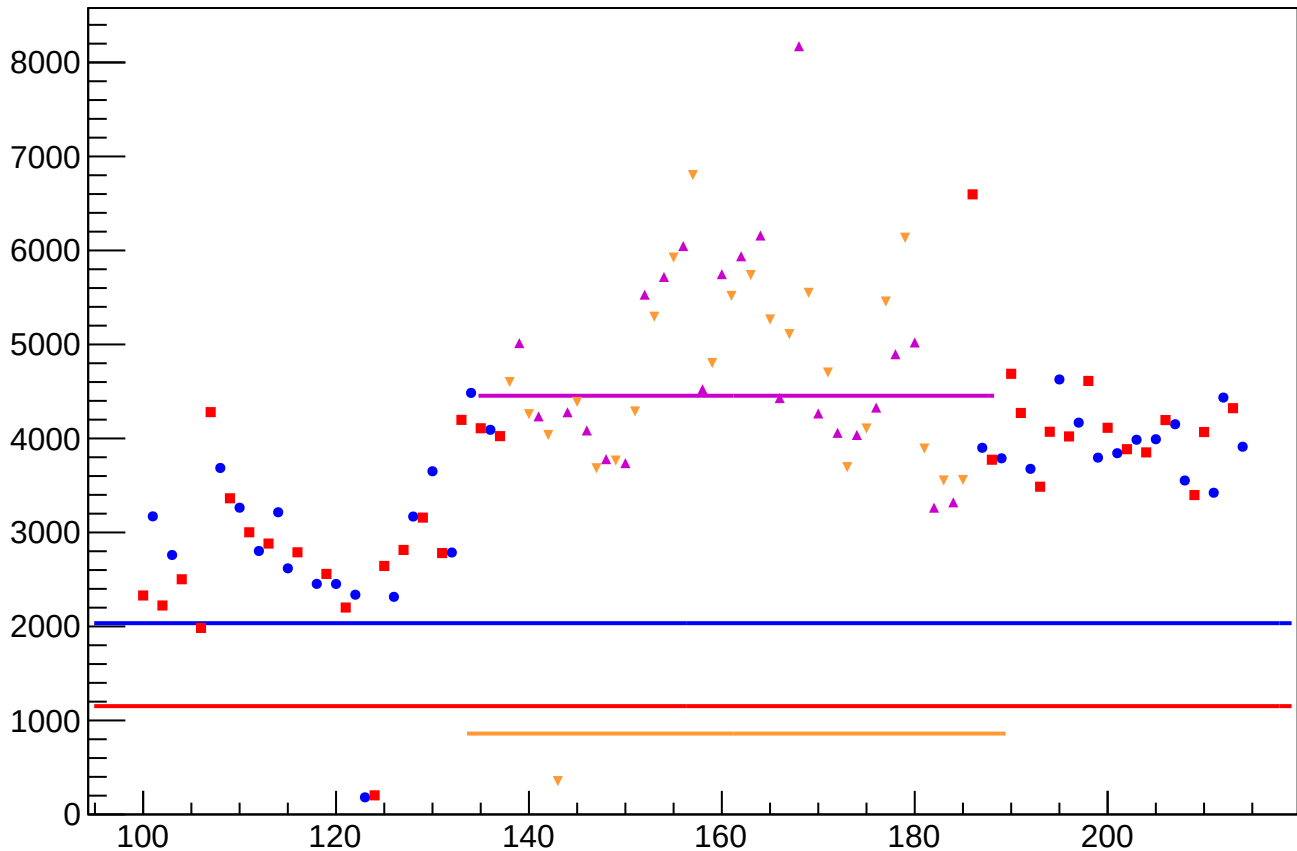
Left In: -53.099 ± 1089.888 χ^2/NDF : 14.5/22

+ sign 367.601 ± 328.614 χ^2/NDF : 65.6/55

All: -22.354 ± 258.889 χ^2/NDF : 131.7/112

- sign -660.392 ± 420.341 χ^2/NDF : 62.4/56

asym_atr1l2_dd_correction_rms vs Slug



Right In: 2034.907+/-0.455 χ^2/NDF : 13210278.0/30

Left Out: 860.545+/-0.270 χ^2/NDF : 26340106.5/24

Right Out: 1152.379+/-0.322 χ^2/NDF : 21394274.4/33

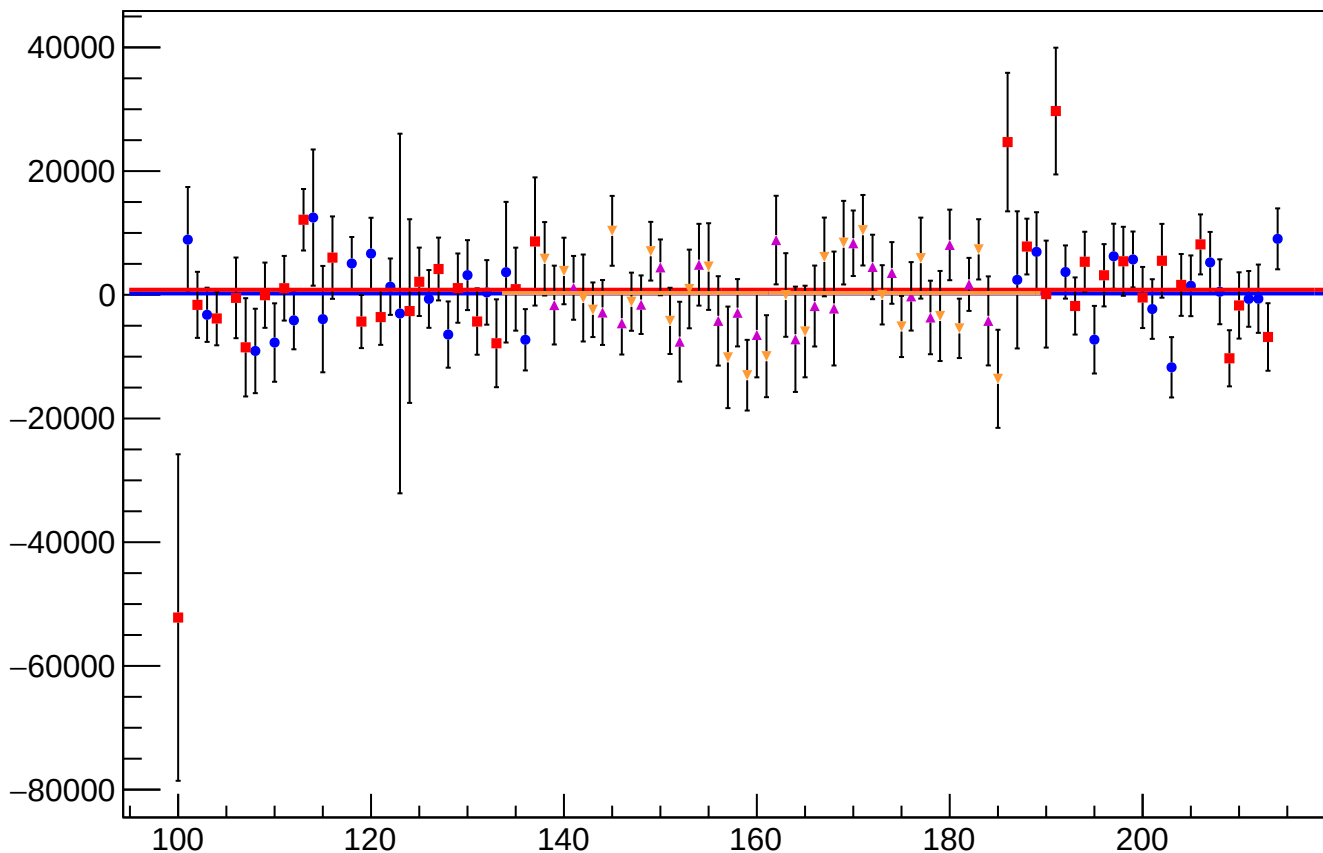
Left In: 4454.402+/-0.771 χ^2/NDF : 1349758.1/22

+ sign 1166.178+/-0.232 χ^2/NDF : 44467858.1/55

All: 1347.257+/-0.183 χ^2/NDF : 84440218.0/1

- sign 1643.535+/-0.297 χ^2/NDF : 38371438.1/56

asym_atr1l2_dd_mean vs Slug



Right In: 215.523+/-979.433 χ^2/NDF : 31.3/30

Left Out: 288.508+/-1155.419 χ^2/NDF :32.4/24

Right Out: 821.753+/-965.897 χ^2/NDF : 46.7/33

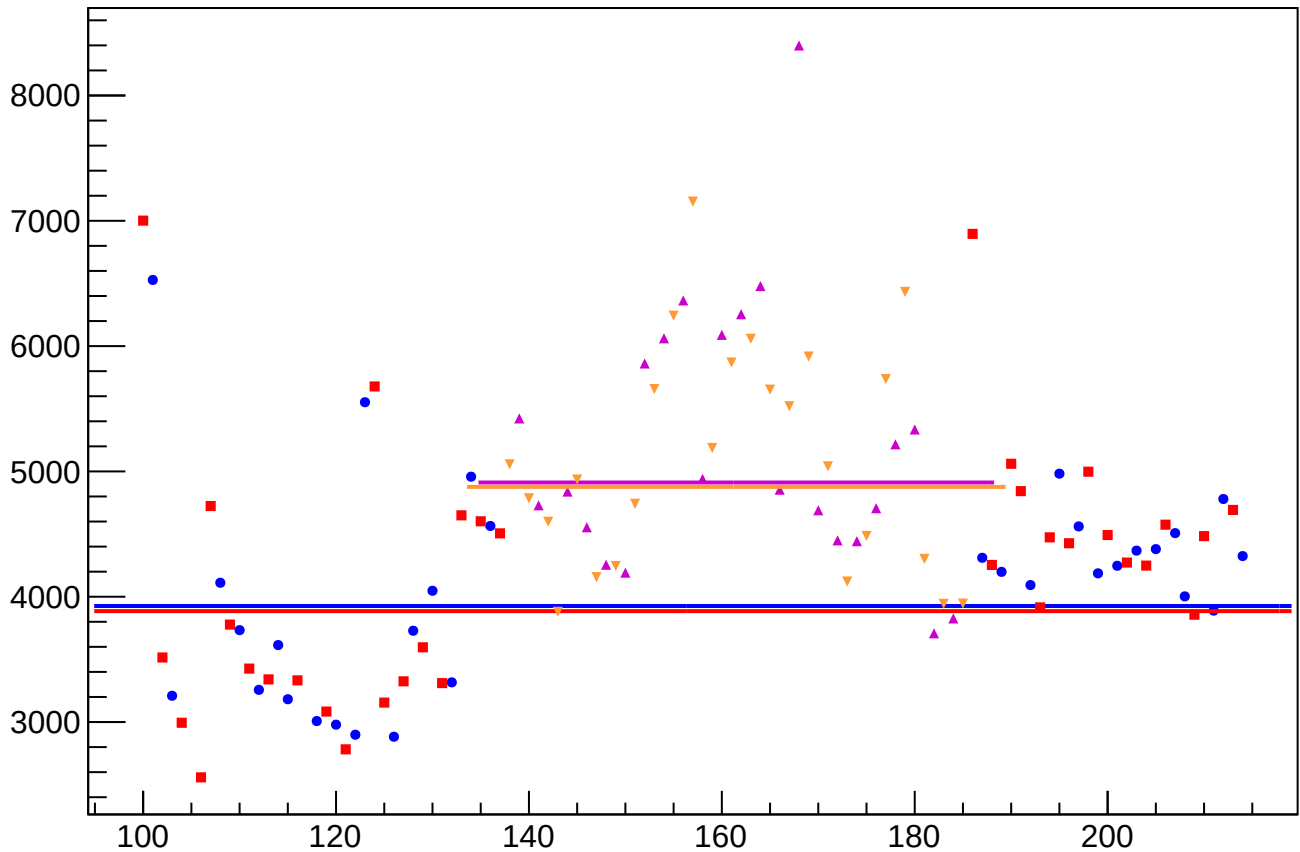
Left In: 332.488+/-1196.011 χ^2/NDF :14.7/22

+ sign 246.040+/-747.121 χ^2/NDF : 63.7/55

All: 436.223+/-529.817 χ^2/NDF : 125.3/112

- sign 628.614+/-751.445 χ^2/NDF : 61.4/56

asym_atr1l2_dd_rms vs Slug



Right In: 3926.065+/-0.693 χ^2/NDF : 985427.3/30

Left Out: 4876.564+/-0.817 χ^2/NDF : 972528.1/24

Right Out: 3885.003+/-0.678 χ^2/NDF : 1196926.8/33

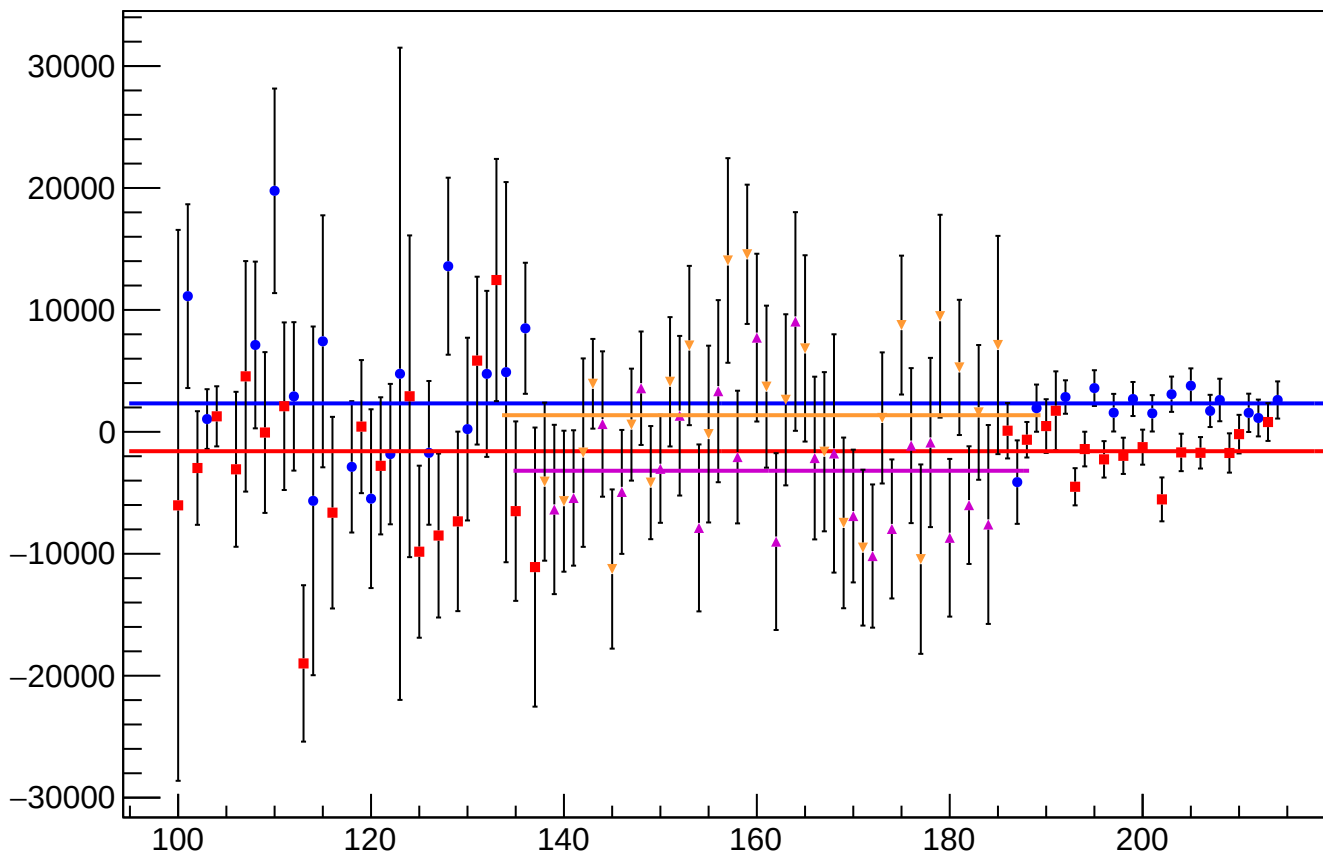
Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

+ sign 4323.488+/-0.528 χ^2/NDF : 2745521.5/55

All: 4305.195+/-0.374 χ^2/NDF : 5884637.7/11

- sign 4286.844+/-0.529 χ^2/NDF : 3136714.4/56

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2333.579 $\pm$ 396.874 χ^2 /NDF: 21.6/30

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -1587.829 $\pm$ 397.373 χ^2 /NDF: 32.6/33

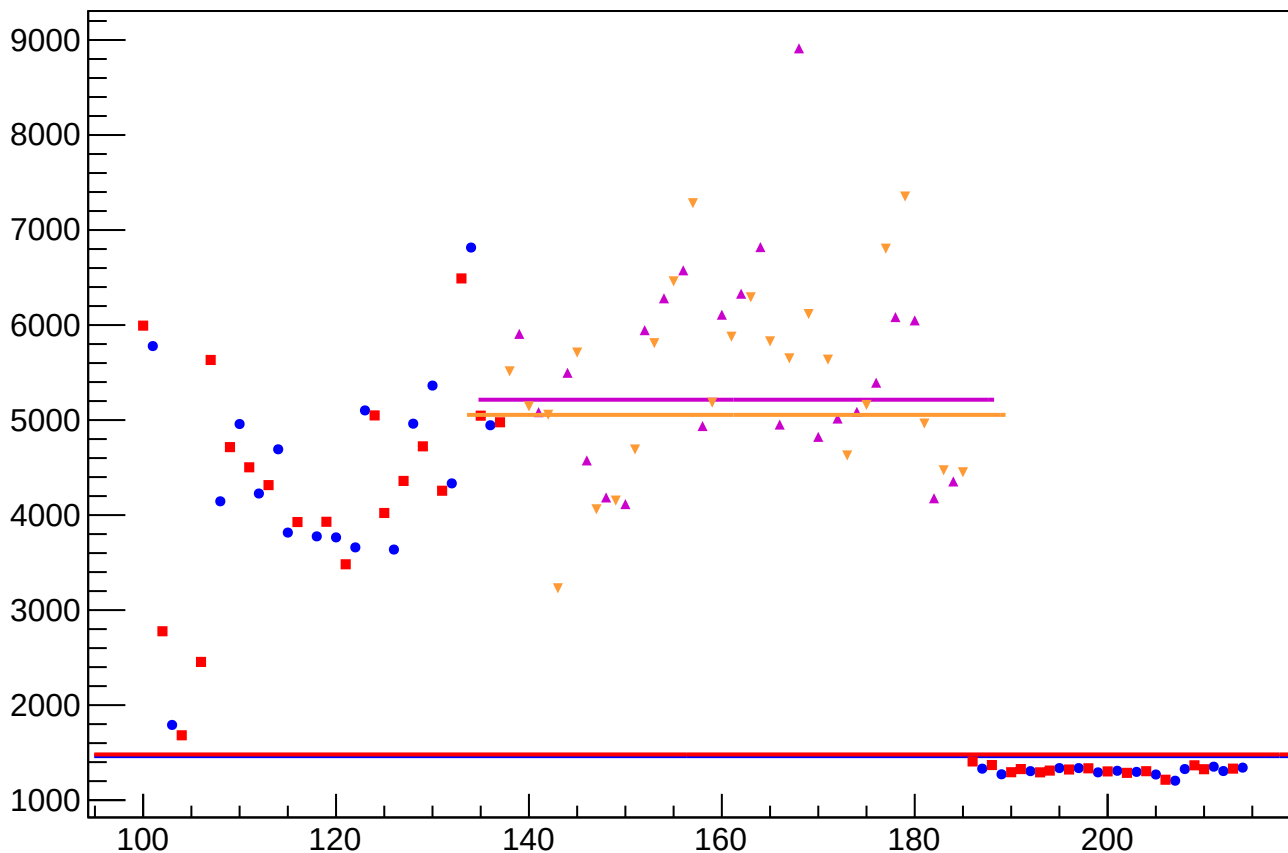
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 2238.982 $\pm$ 376.994 χ^2 /NDF: 50.1/55

All: 265.901 $\pm$ 267.366 χ^2 /NDF: 153.3/112

- sign -1730.796 $\pm$ 379.243 χ^2 /NDF: 48.0/56

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1463.028 $\pm$ 0.281 χ^2 /NDF: 5892925.8/30

Left Out: 5054.711 $\pm$ 0.853 χ^2 /NDF: 1437224.7/24

Right Out: 1480.836 $\pm$ 0.281 χ^2 /NDF: 5805005.2/33

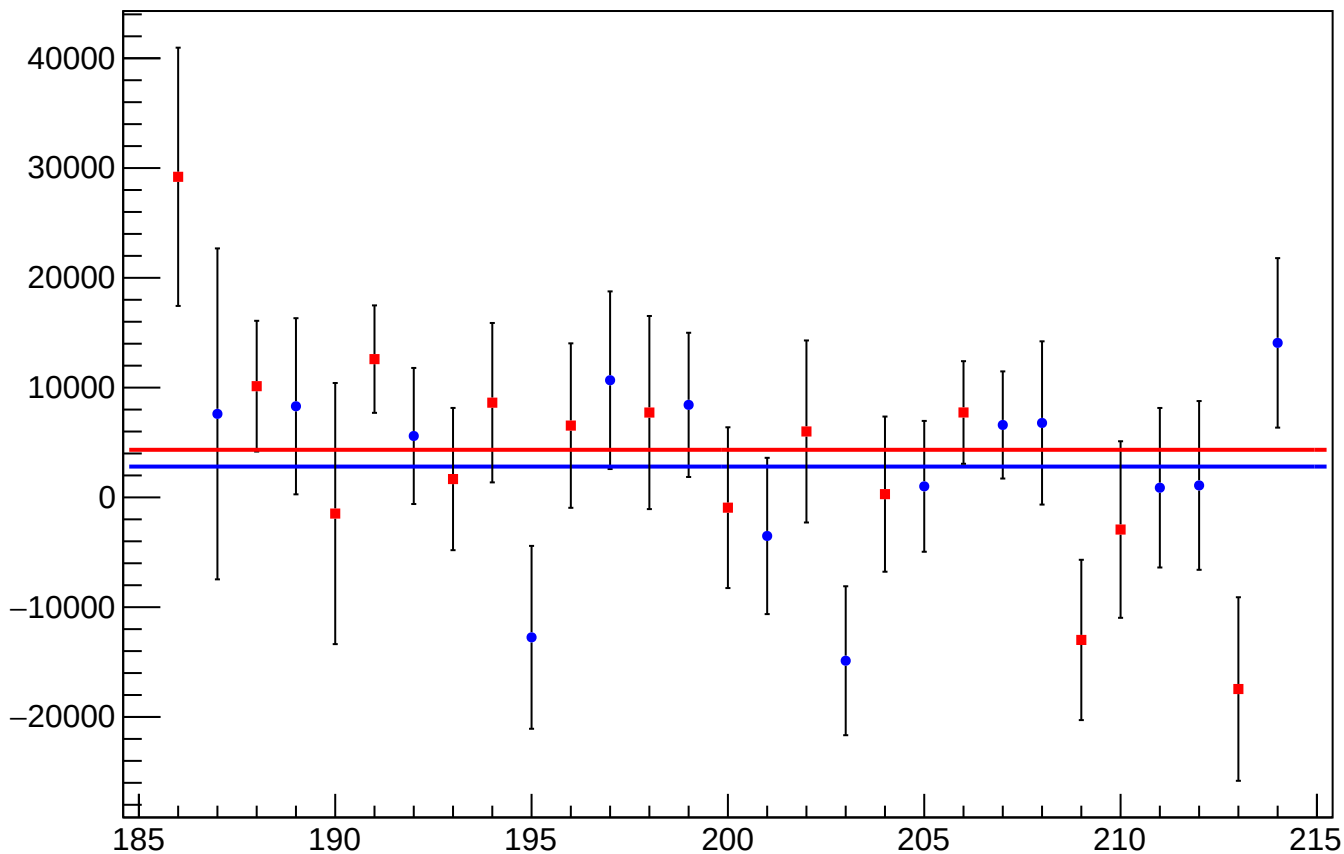
Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF: 1052501.5/22

+ sign 1813.842 $\pm$ 0.267 χ^2 /NDF: 23329493.5/55

All: 1813.554 $\pm$ 0.189 χ^2 /NDF: 45930000.7/100

- sign 1813.263 $\pm$ 0.268 χ^2 /NDF: 22600504.8/56

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



Right In: 2807.596 $\pm$ 1885.816 χ^2 /NDF: 16.8/13

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

Right Out: 4335.197 $\pm$ 1809.645 χ^2 /NDF: 23.9/14

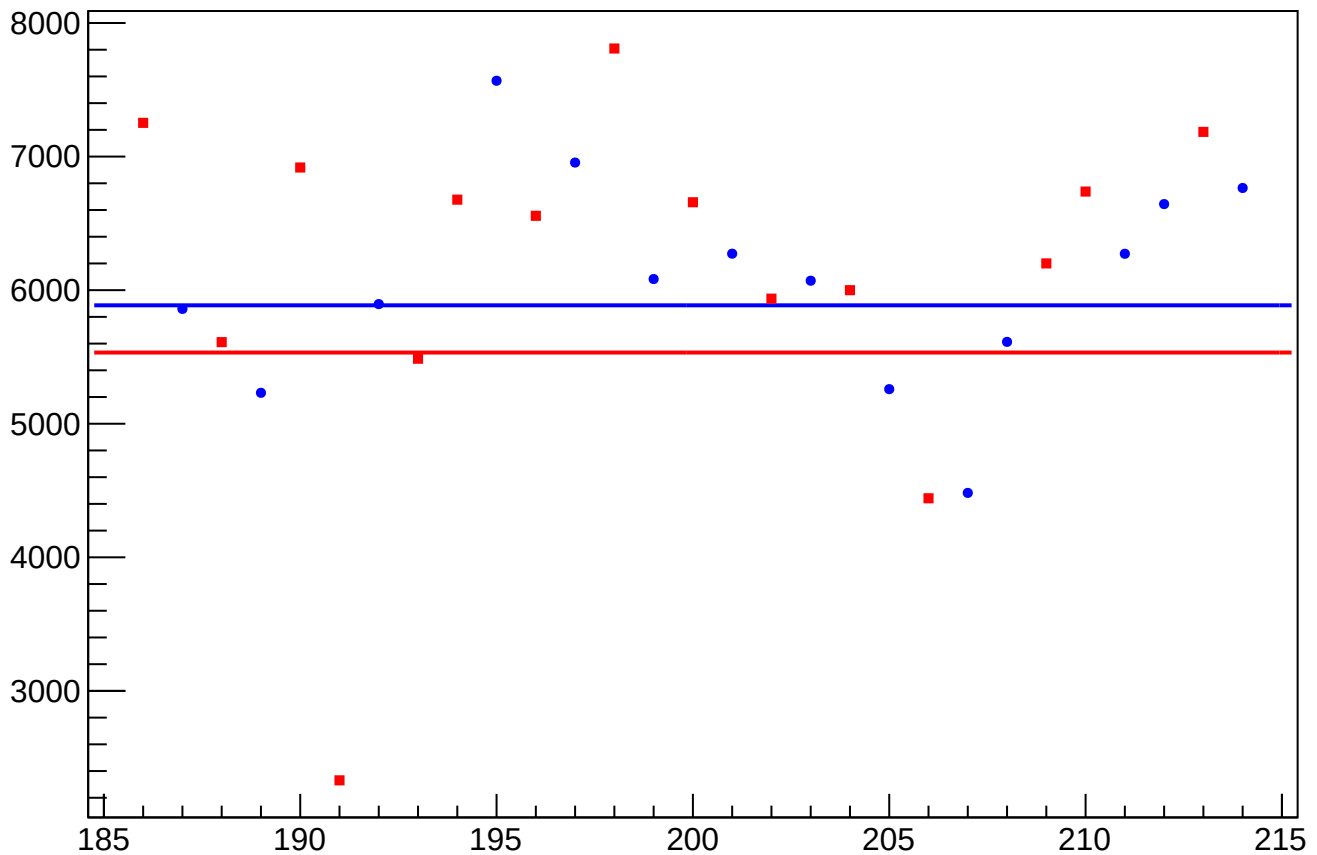
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

All: 3602.870 $\pm$ 1305.710 χ^2 /NDF: 41.0/28

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

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



Right In: 5886.533+/-1.333 χ^2/NDF : 380327.5/13

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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

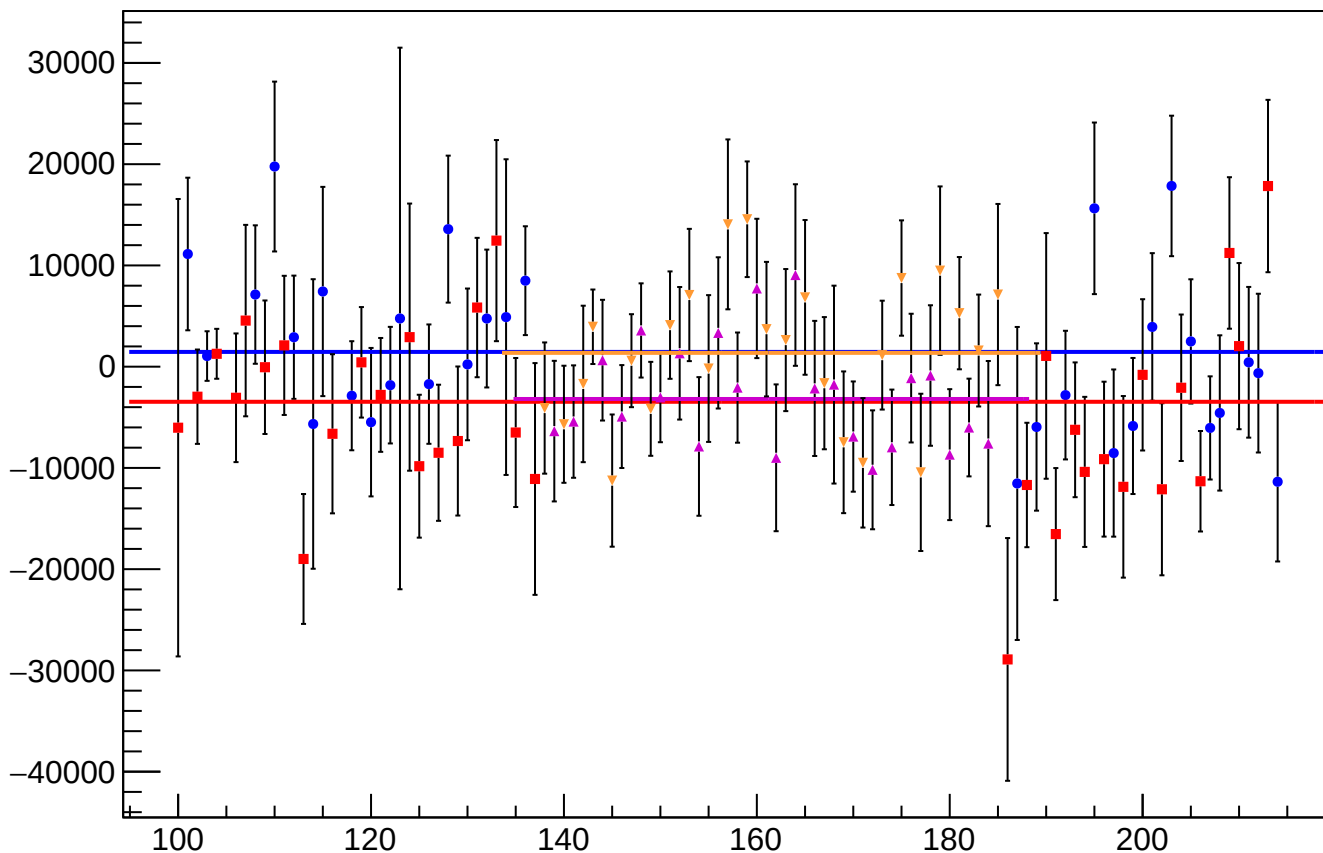
Right Out: 5532.989+/-1.280 χ^2/NDF : 1457186.1/14

All: 5702.477+/-0.923 χ^2/NDF : 1874109.0/28

- 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: 1458.249 $\pm$ 1163.872 χ^2 /NDF: 33.4/30

Left Out: 1365.082 $\pm$ 1206.268 χ^2 /NDF:28.0/24

Right Out: -3467.479 $\pm$ 1122.113 χ^2 /NDF: 46.0/33

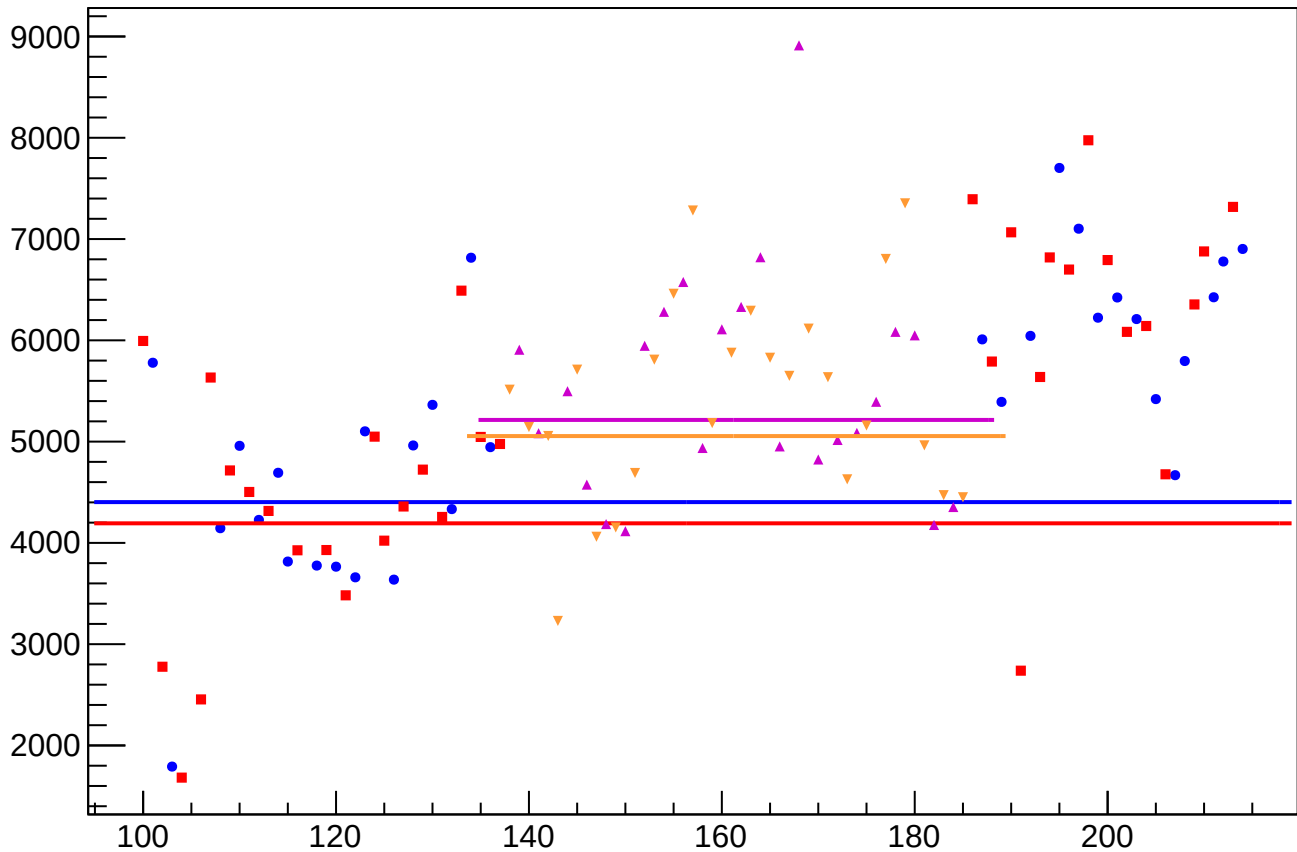
Left In: -3191.160 $\pm$ 1270.021 χ^2 /NDF:14.0/22

+ sign 1413.331 $\pm$ 837.569 χ^2 /NDF: 61.4/55

All: -957.035 $\pm$ 593.428 χ^2 /NDF: 137.5/112

- sign -3346.340 $\pm$ 840.908 χ^2 /NDF: 60.0/56

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4402.762+/-0.823 χ^2/NDF : 4381855.5/30

Left Out: 5054.711+/-0.853 χ^2/NDF :1437224.7/24

+ sign 4717.074+/-0.592 χ^2/NDF : 6121637.2/55

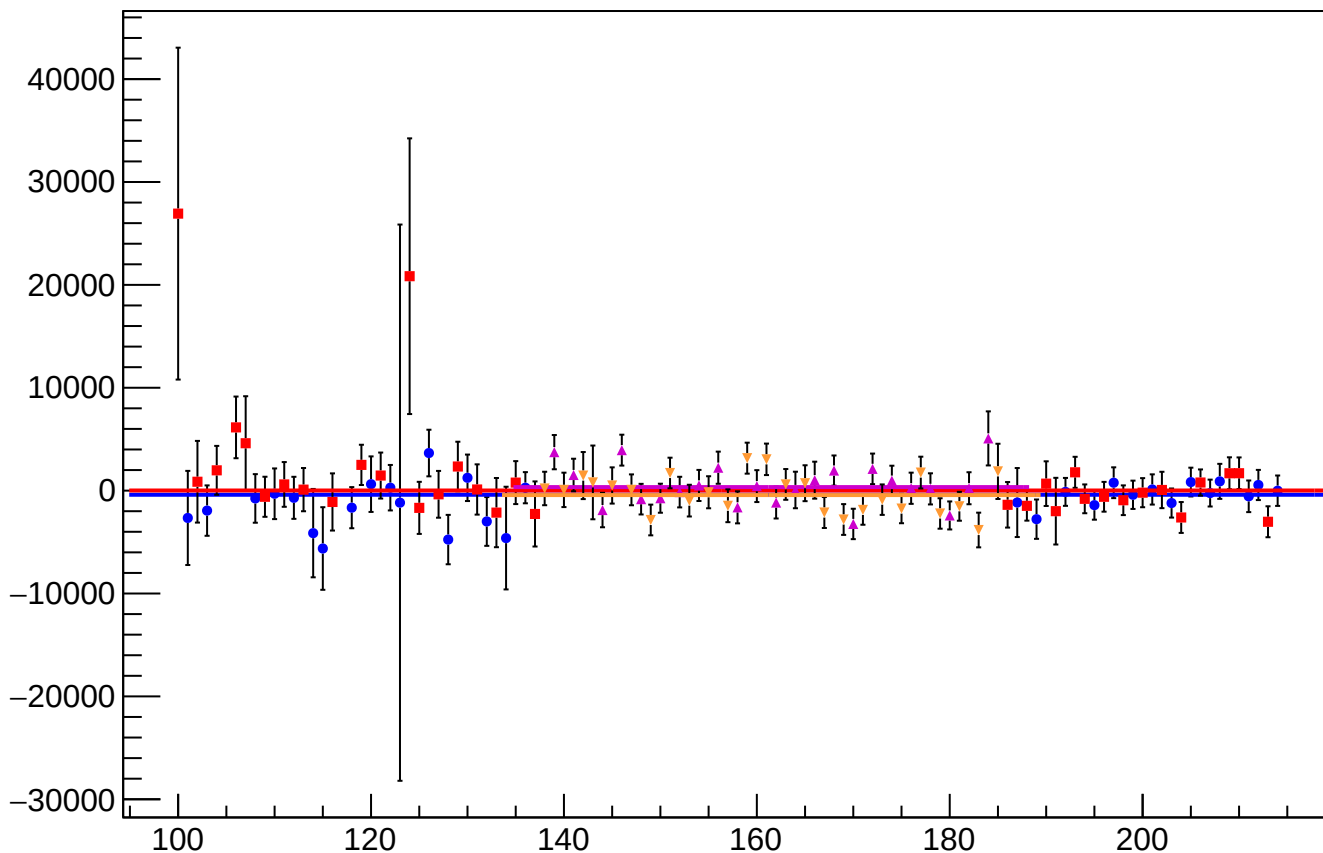
Right Out: 4193.211+/-0.789 χ^2/NDF : 5307930.5/33

All: 4677.420+/-0.419 χ^2/NDF : 13220693.9/100

Left In: 5214.120+/-0.898 χ^2/NDF :1052501.5/22

- sign 4637.723+/-0.593 χ^2/NDF : 7090085.9/56

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -400.547 ± 335.977 χ^2/NDF : 18.0/30

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 13.032 ± 335.704 χ^2/NDF : 30.1/33

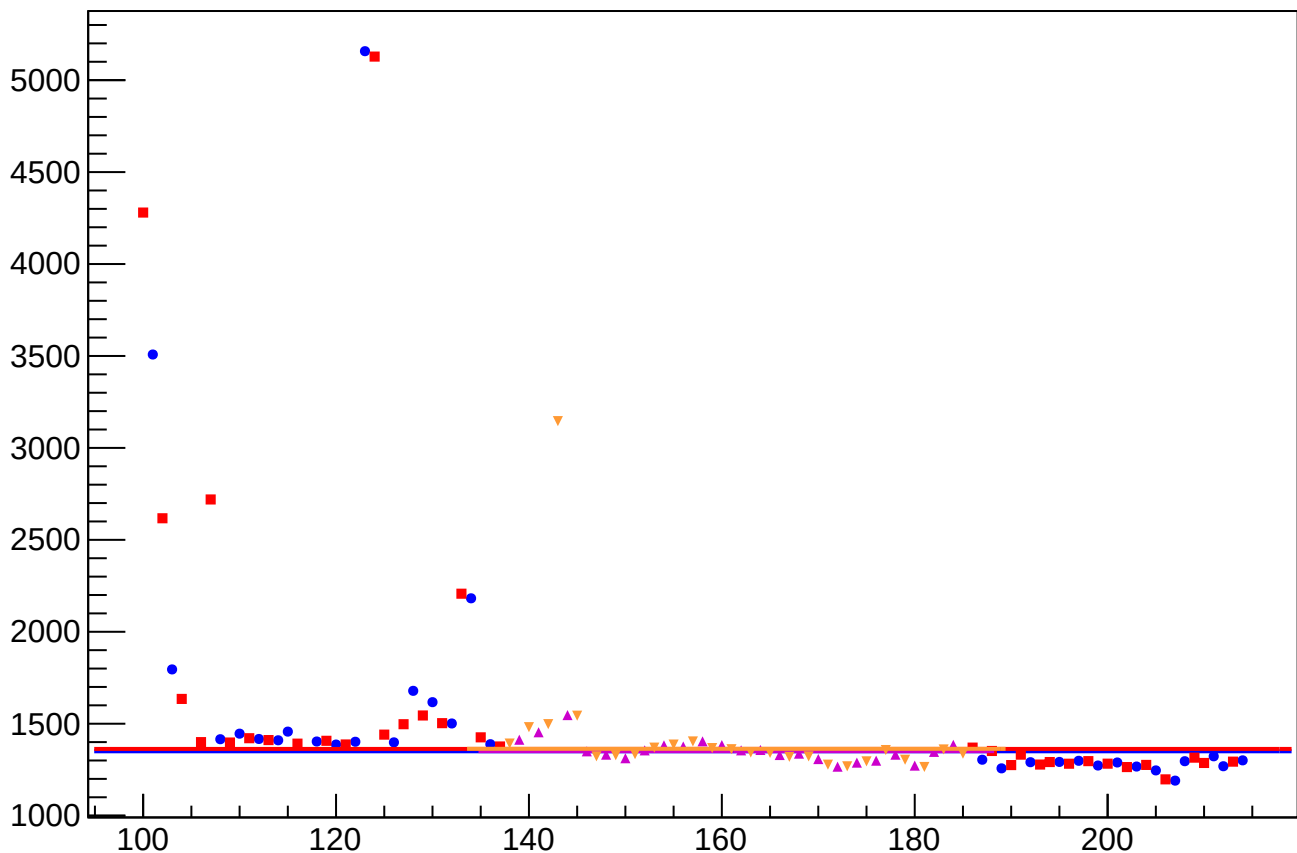
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -416.863 ± 231.921 χ^2/NDF : 51.1/55

All: -118.140 ± 164.467 χ^2/NDF : 118.8/112

- sign 184.063 ± 233.268 χ^2/NDF : 64.4/56

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1350.021+/-0.238 χ^2/NDF : 776842.0/30

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1362.943+/-0.237 χ^2/NDF : 874871.5/33

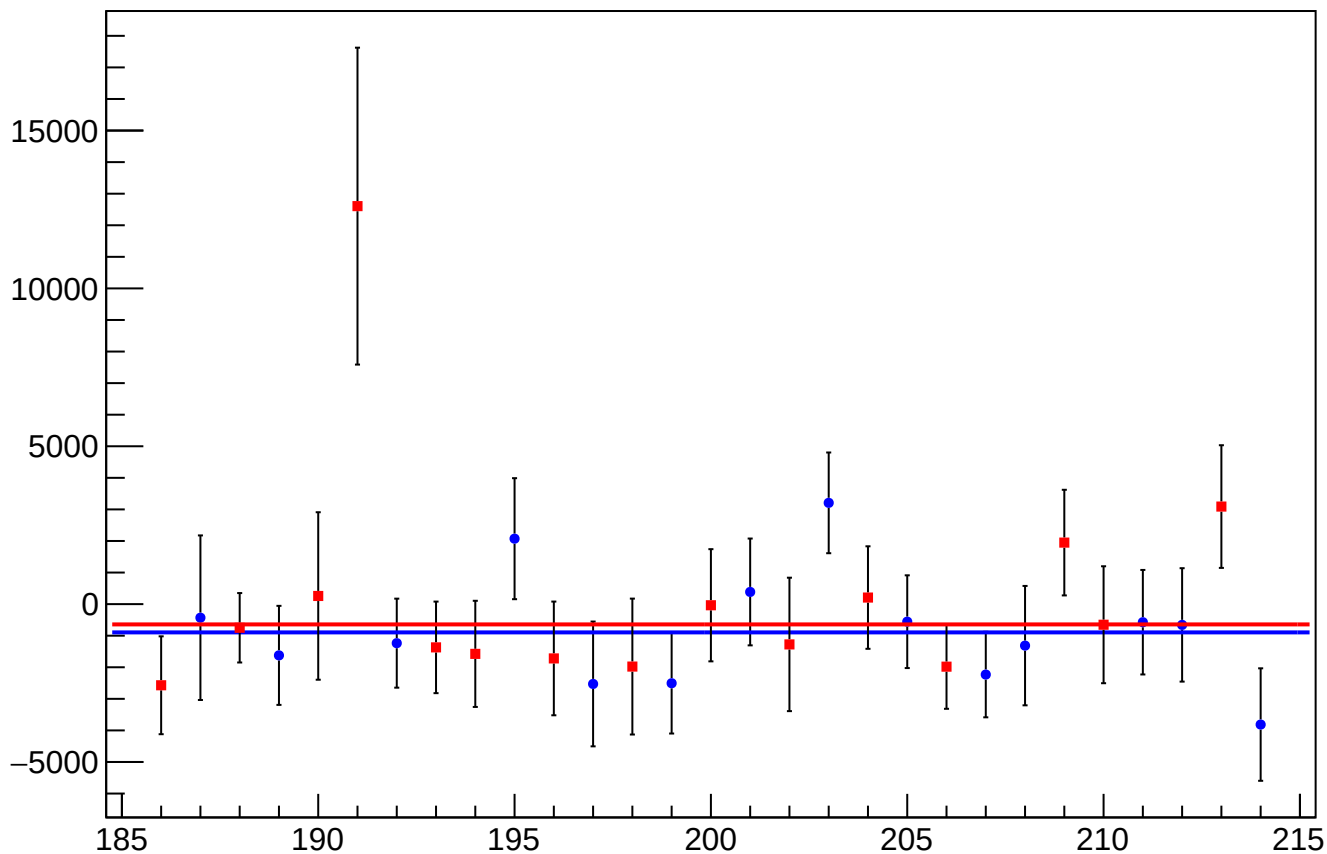
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1357.109+/-0.164 χ^2/NDF : 1353769.1/55

All: 1356.915+/-0.116 χ^2/NDF : 2297117.0/11

- sign 1356.719+/-0.165 χ^2/NDF : 943345.2/56

asym_atl_avg_atr_avg_dd_correction_mean vs Slug



Right In: -895.465 ± 447.222 χ^2/NDF : 15.4/13

Left Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Right Out: -642.503 ± 439.639 χ^2/NDF : 17.5/14

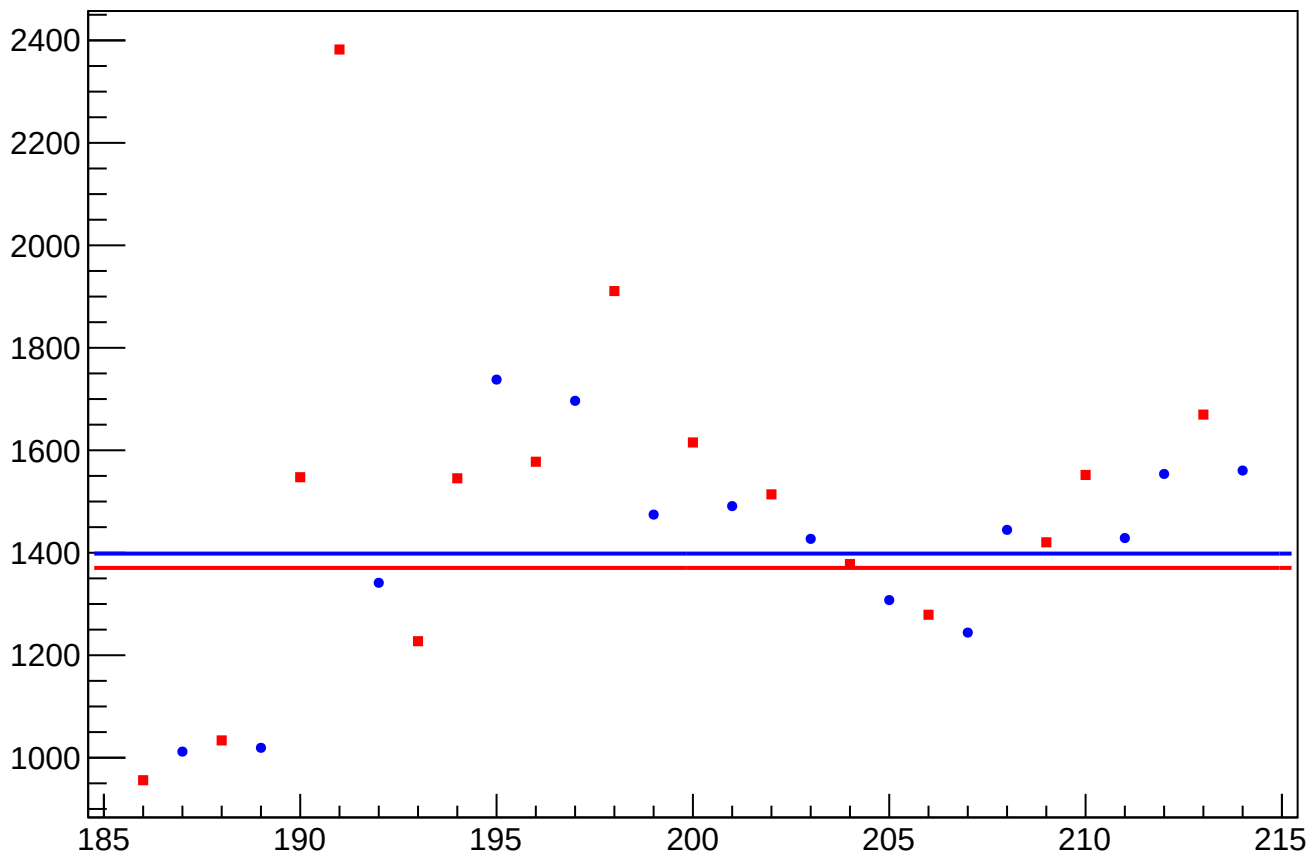
Left In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

+ sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

All: -766.822 ± 313.518 χ^2/NDF : 33.1/28

- sign 0.000 ± 0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug



Right In: 1398.399+/-0.316 χ^2/NDF : 350499.9/13

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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

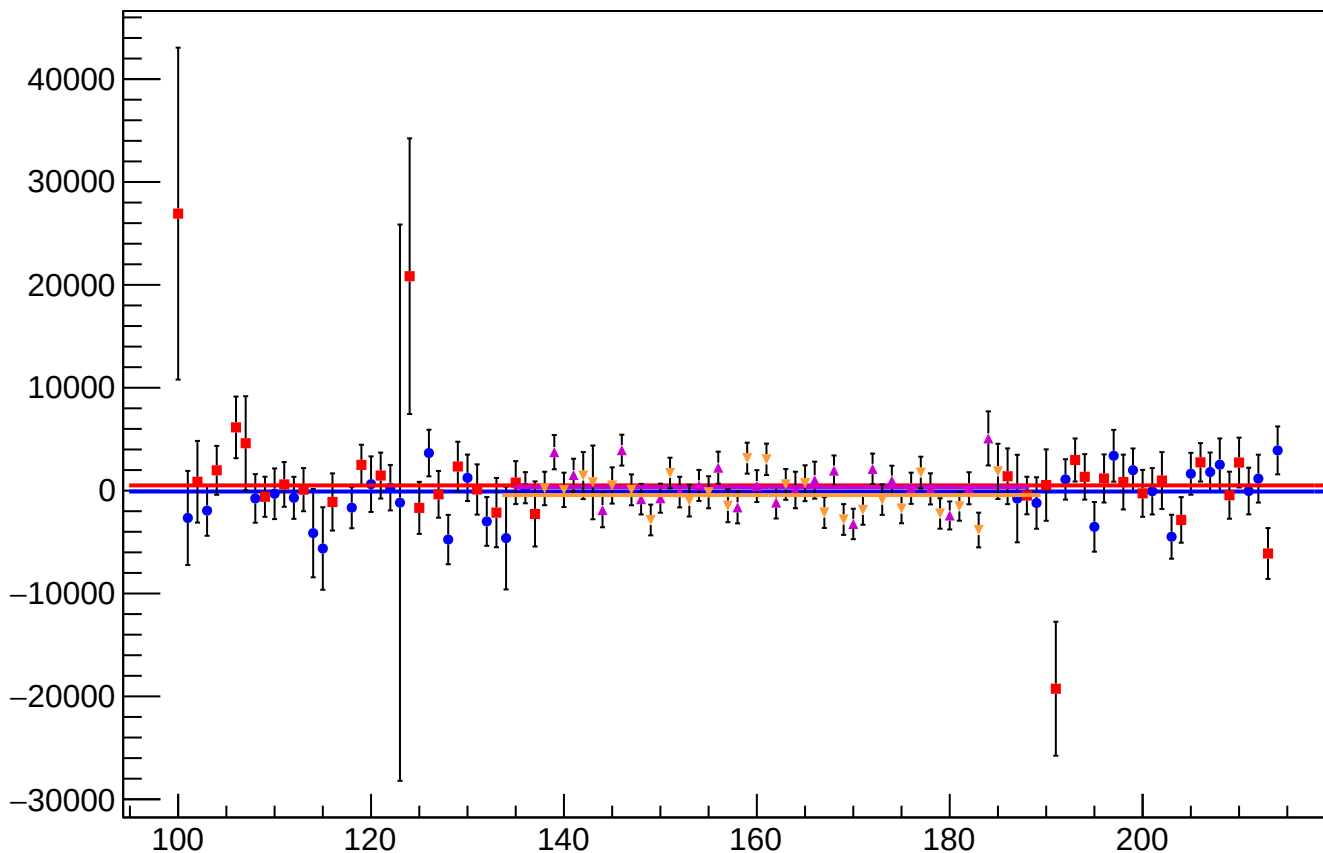
Right Out: 1370.455+/-0.311 χ^2/NDF : 739344.3/14

All: 1384.188+/-0.222 χ^2/NDF : 1093815.2/28

- 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: -85.531 ± 430.010 χ^2/NDF : 29.5/30

Left Out: -431.715 ± 320.540 χ^2/NDF : 33.1/24

Right Out: 509.058 ± 428.422 χ^2/NDF : 37.8/33

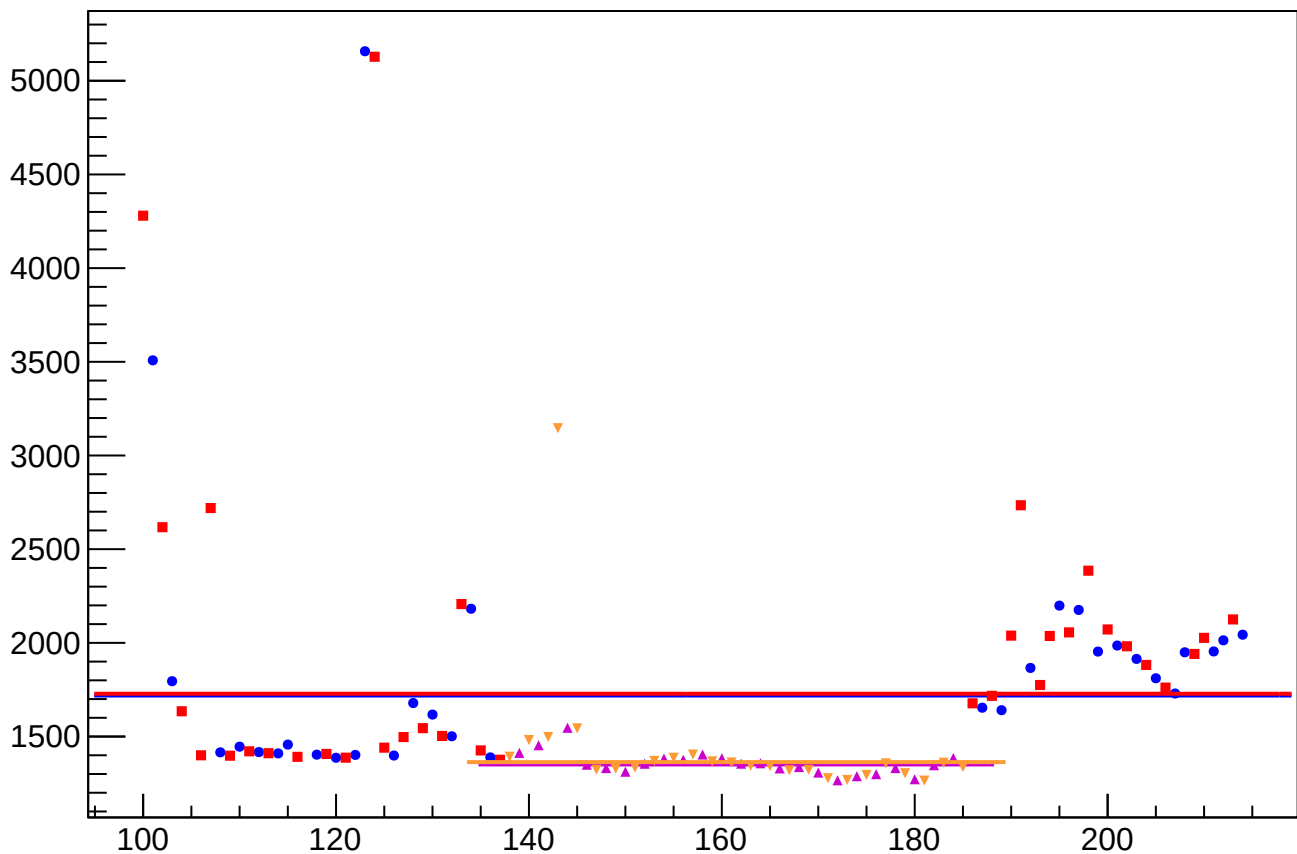
Left In: 343.737 ± 324.368 χ^2/NDF : 33.8/22

+ sign -308.063 ± 256.995 χ^2/NDF : 63.0/55

All: 45.729 ± 182.291 χ^2/NDF : 138.5/112

- sign 403.975 ± 258.608 χ^2/NDF : 71.7/56

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1719.003+/-0.304 χ^2/NDF : 1096093.1/30

Left Out: 1363.561+/-0.227 χ^2/NDF : 575226.6/24

Right Out: 1728.447+/-0.303 χ^2/NDF : 1292639.3/33

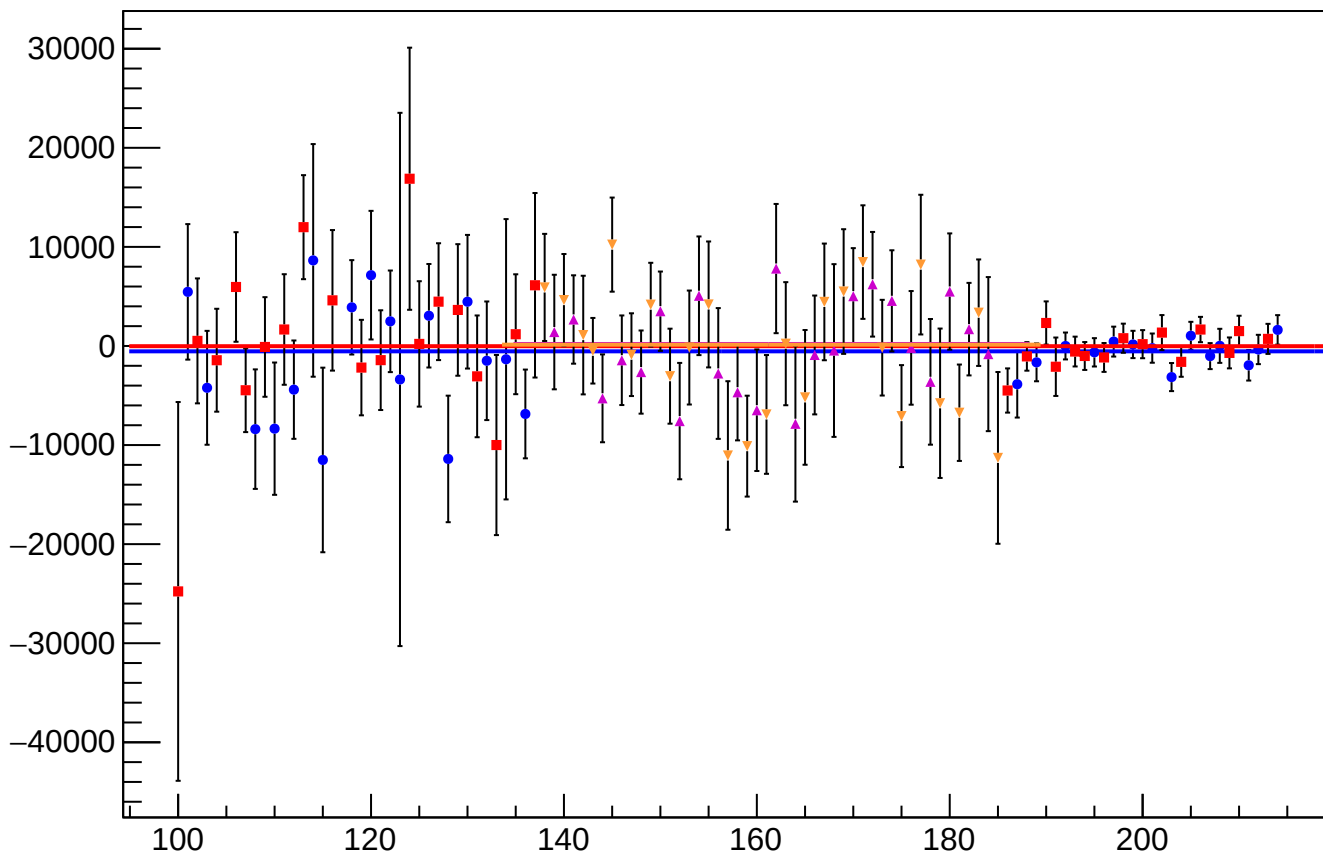
Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

+ sign 1490.520+/-0.182 χ^2/NDF : 2549728.2/55

All: 1489.503+/-0.129 χ^2/NDF : 4896801.0/11

- sign 1488.472+/-0.183 χ^2/NDF : 2347009.8/56

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -541.205 ± 392.116 χ^2/NDF : 25.4/30

Left Out: 132.142 ± 1065.543 χ^2/NDF : 28.1/24

Right Out: -22.961 ± 390.919 χ^2/NDF : 27.1/33

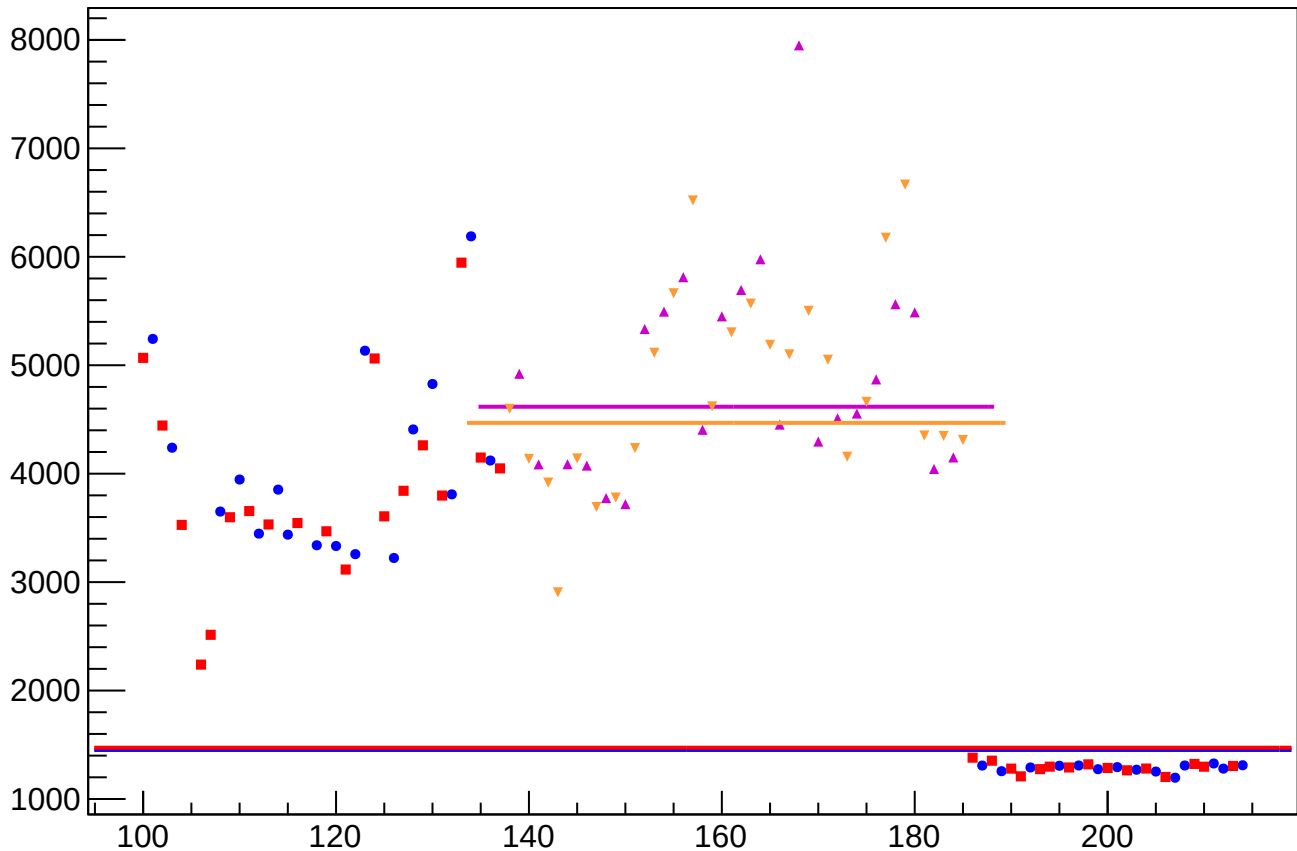
Left In: 200.182 ± 1123.499 χ^2/NDF : 14.7/22

+ sign -460.895 ± 367.990 χ^2/NDF : 53.9/55

All: -230.642 ± 260.638 χ^2/NDF : 96.5/112

- sign 1.137 ± 369.208 χ^2/NDF : 41.8/56

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1452.502 $\pm$ 0.277 χ^2 /NDF: 5668228.9/30

Left Out: 4468.520 $\pm$ 0.753 χ^2 /NDF:1380601.0/24

Right Out: 1473.008 $\pm$ 0.276 χ^2 /NDF: 5482209.3/33

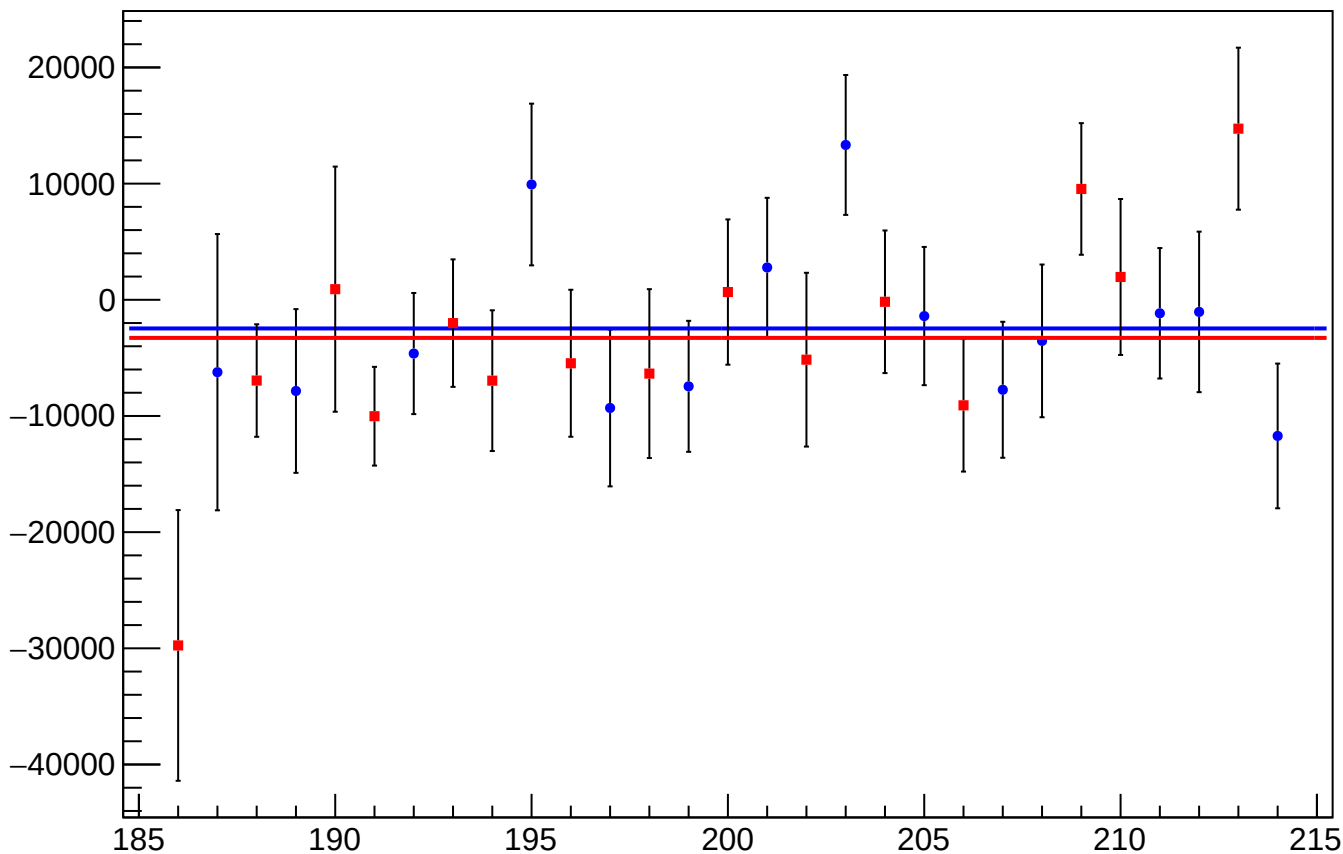
Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

+ sign 1812.221 $\pm$ 0.260 χ^2 /NDF: 21161167.3/55

All: 1812.171 $\pm$ 0.184 χ^2 /NDF: 41618429.5/100

- sign 1812.120 $\pm$ 0.261 χ^2 /NDF: 20457262.2/56

asym_atl_dd_atr_dd_avg_correction_mean vs Slug



Right In: -2466.093+/-1684.280 χ^2 /NDF: 16.7/13

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

Right Out: -3279.451+/-1594.363 χ^2 /NDF: 23.3/14

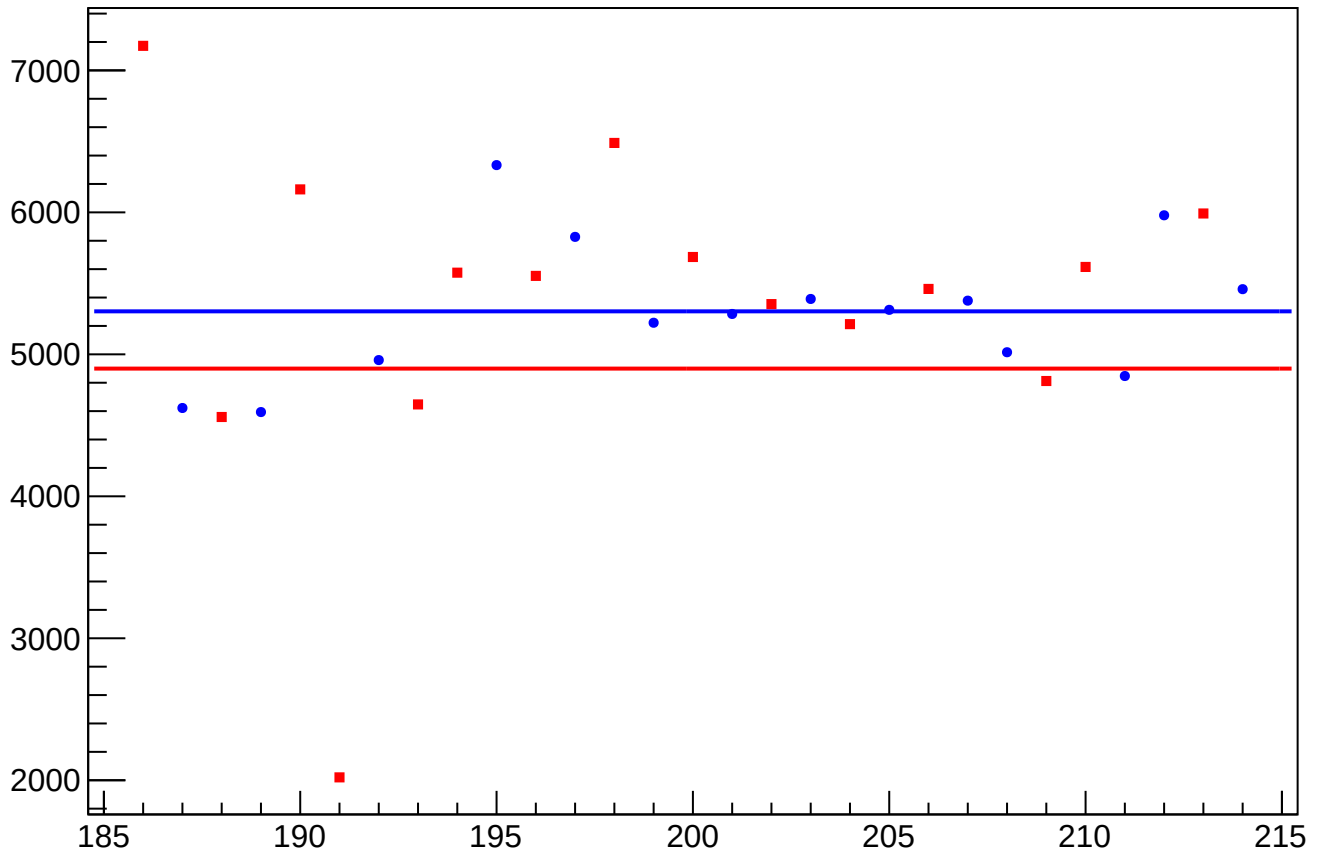
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

All: -2895.062+/-1157.868 χ^2 /NDF: 40.1/28

- sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug



Right In: 5302.801+/-1.191 χ^2 /NDF: 130012.1/13

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

+ sign 0.000+/-0.000 χ^2 /NDF: 0.0/0

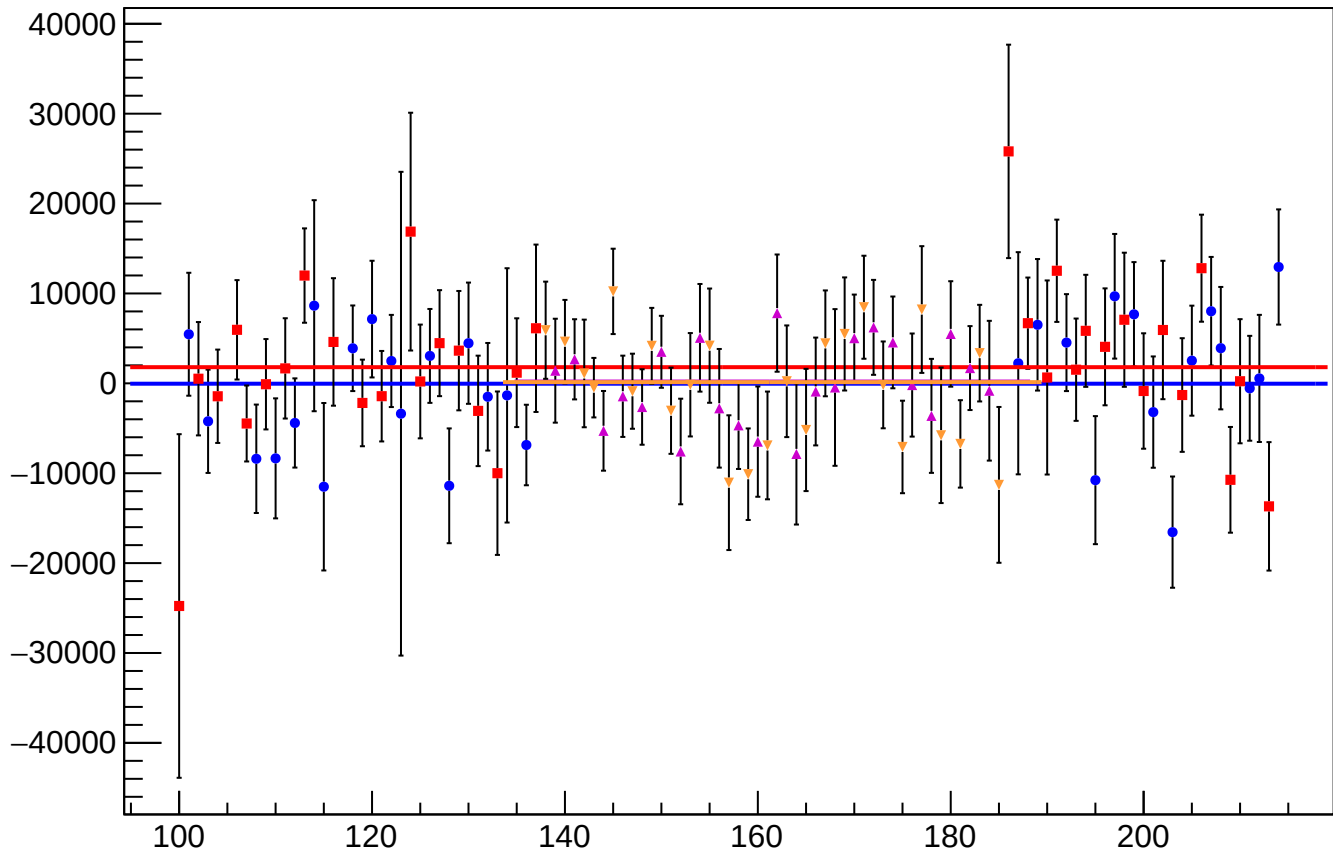
Right Out: 4899.540+/-1.127 χ^2 /NDF: 1314616.1/14

All: 5090.119+/-0.819 χ^2 /NDF: 1505095.2/28

- 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: -41.807 ± 1142.955 $\chi^2/\text{NDF}: 37.3/30$

Left Out: 132.142 ± 1065.543 $\chi^2/\text{NDF}: 28.1/24$

Right Out: 1797.397 ± 1071.445 $\chi^2/\text{NDF}: 37.5/33$

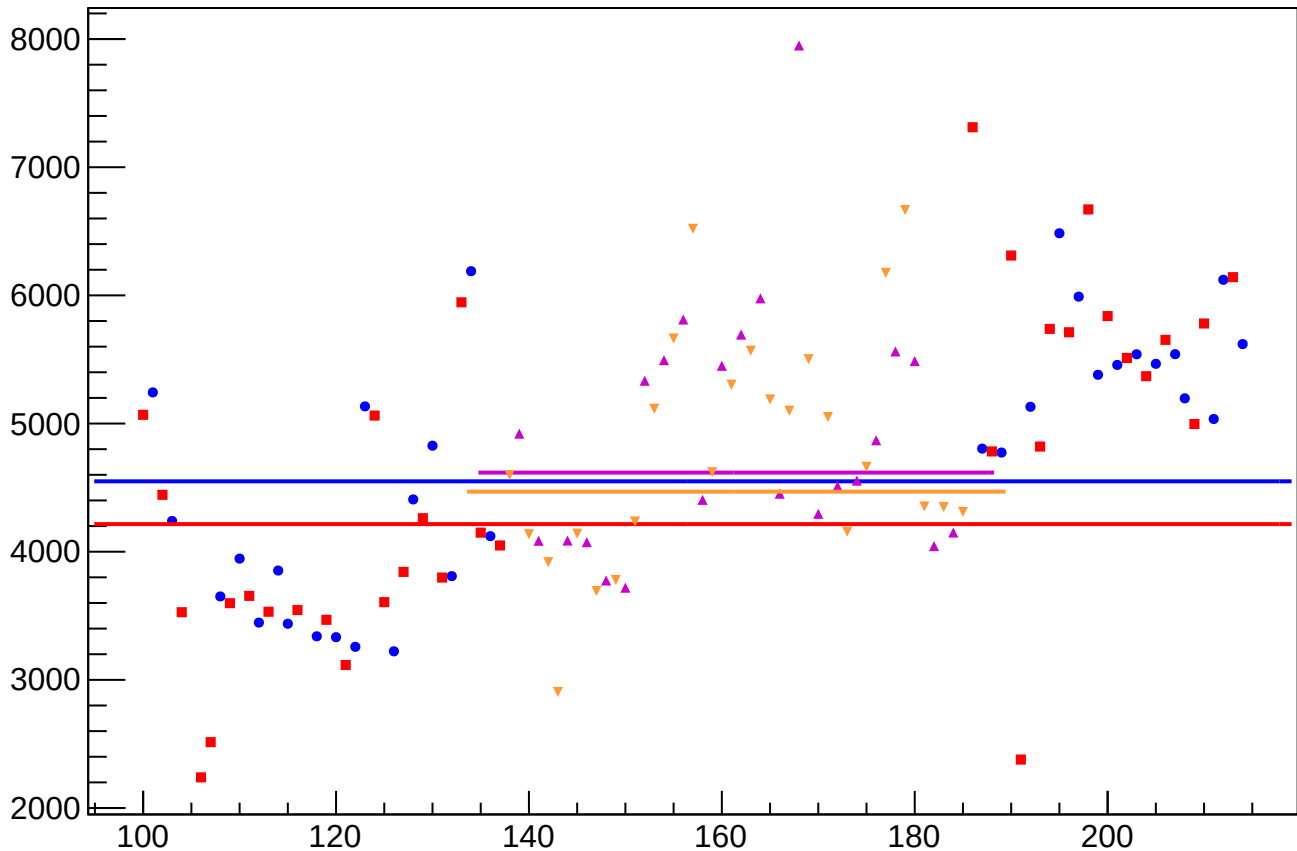
Left In: 200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

+ sign 51.258 ± 779.384 $\chi^2/\text{NDF}: 65.5/55$

All: 546.493 ± 549.685 $\chi^2/\text{NDF}: 119.6/112$

- sign 1036.647 ± 775.375 $\chi^2/\text{NDF}: 53.3/56$

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4549.122+/-0.808 χ^2/NDF : 1438137.1/30

Left Out: 4468.520+/-0.753 χ^2/NDF :1380601.0/24

Right Out: 4215.252+/-0.753 χ^2/NDF : 2620723.4/33

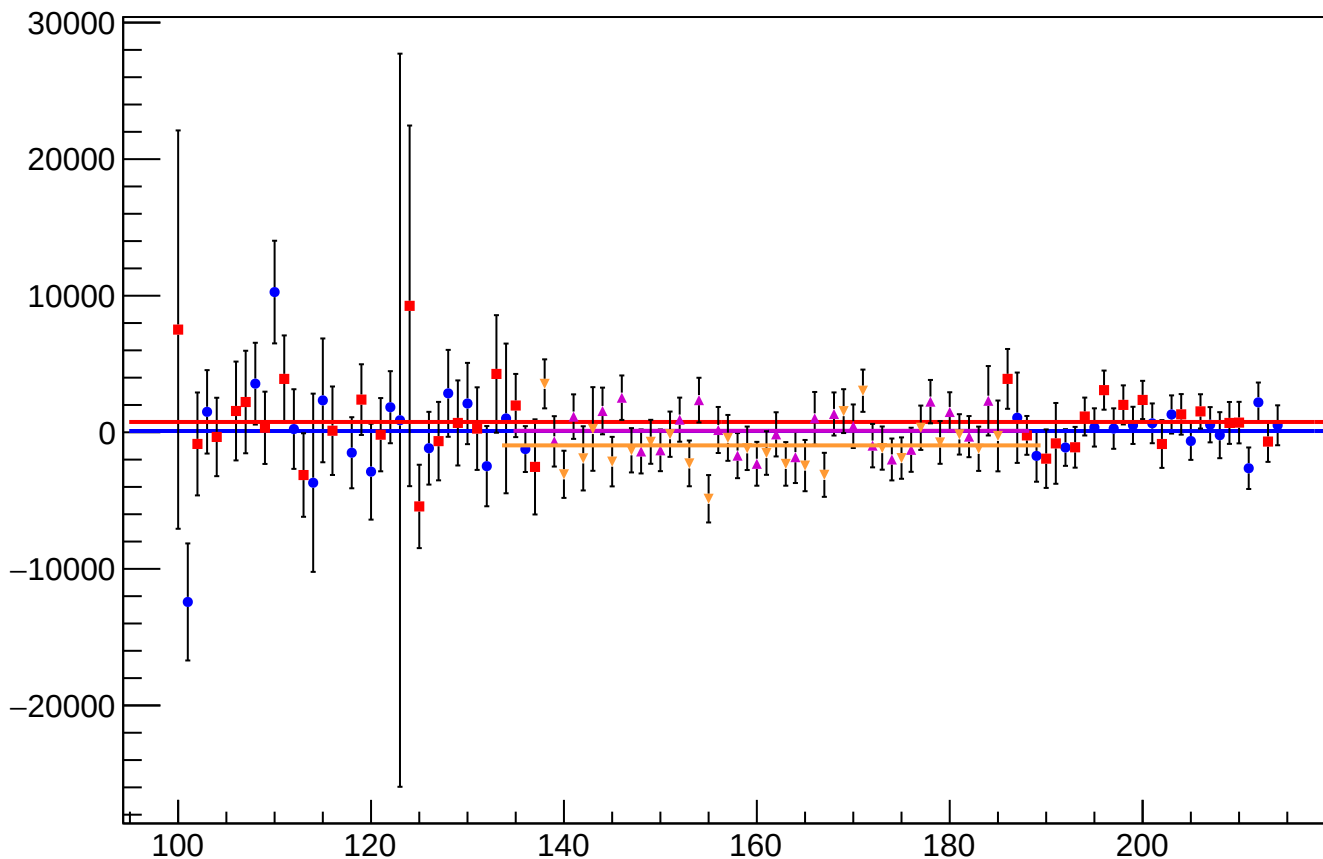
Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

+ sign 4506.000+/-0.551 χ^2/NDF : 2824059.6/55

All: 4455.410+/-0.388 χ^2/NDF : 6595934.9/11

- sign 4405.631+/-0.547 χ^2/NDF : 3755157.2/56

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 93.987 $\pm$ 352.896 χ^2 /NDF: 31.1/30

Left Out: -958.410 $\pm$ 339.496 χ^2 /NDF:28.5/24

Right Out: 756.191 $\pm$ 352.256 χ^2 /NDF: 23.6/33

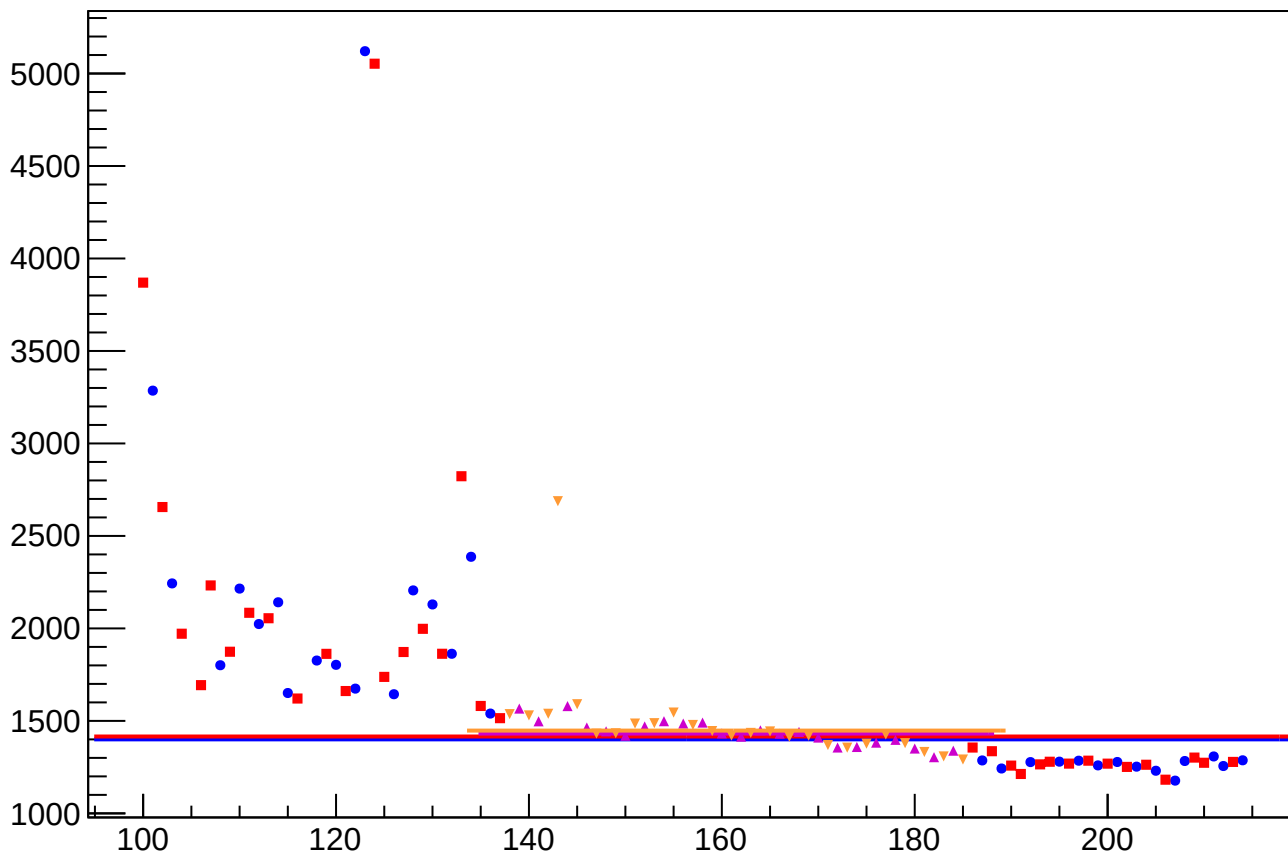
Left In: 107.512 $\pm$ 343.663 χ^2 /NDF:19.5/22

+ sign -452.571 $\pm$ 244.660 χ^2 /NDF: 64.2/55

All: -16.736 $\pm$ 173.469 χ^2 /NDF: 115.4/112

- sign 423.843 $\pm$ 245.988 χ^2 /NDF: 44.8/56

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1400.153+/-0.250 χ^2/NDF : 1582652.0/30

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1415.598+/-0.249 χ^2/NDF : 1619497.0/33

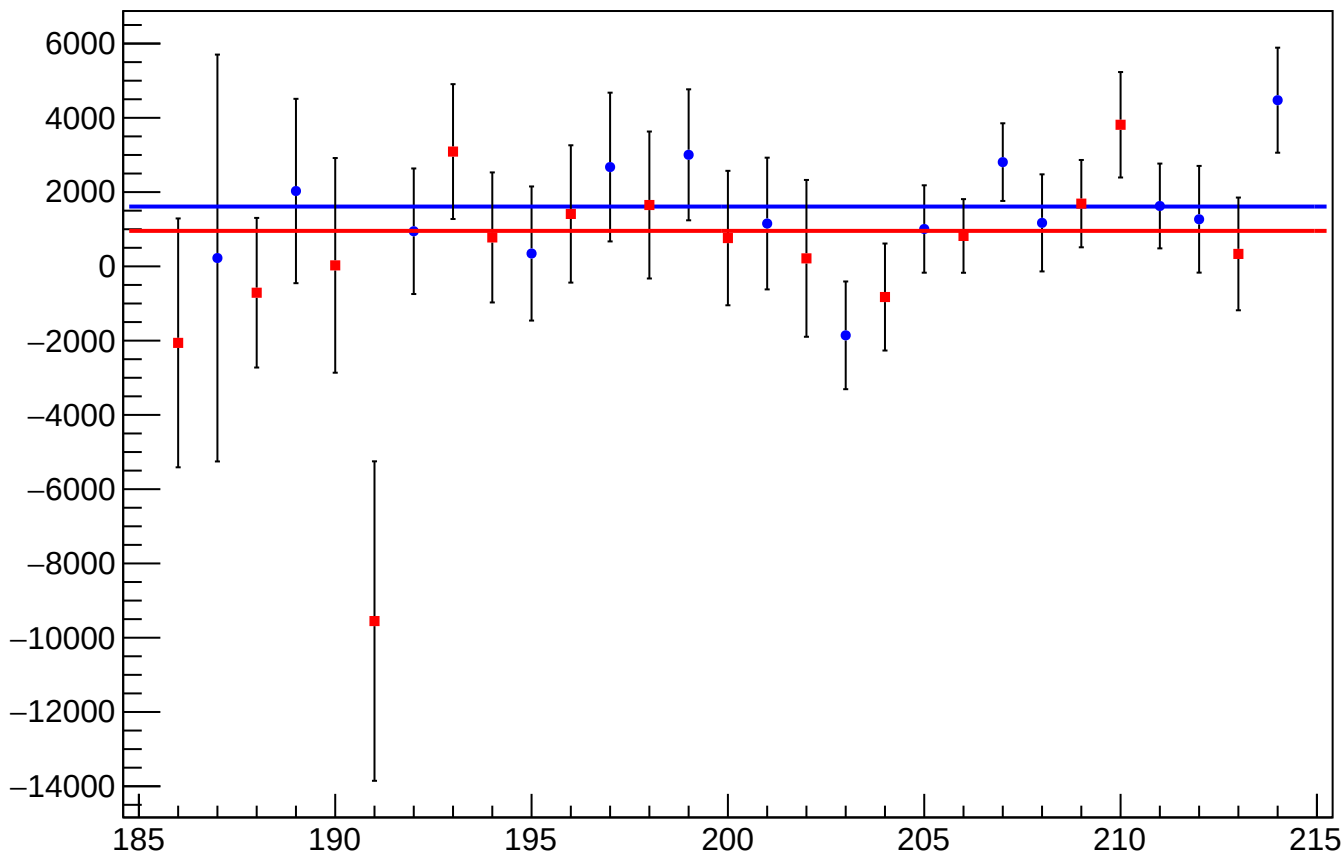
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1424.771+/-0.173 χ^2/NDF : 2020647.3/55

All: 1424.249+/-0.123 χ^2/NDF : 3717369.7/11

- sign 1423.722+/-0.174 χ^2/NDF : 1696704.1/56

asym_atl_dd_atr_dd_dd_correction_mean vs Slug



Right In: 1610.633+/-401.960 χ^2/NDF : 13.3/13

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

Right Out: 955.667+/-431.633 χ^2/NDF : 15.4/14

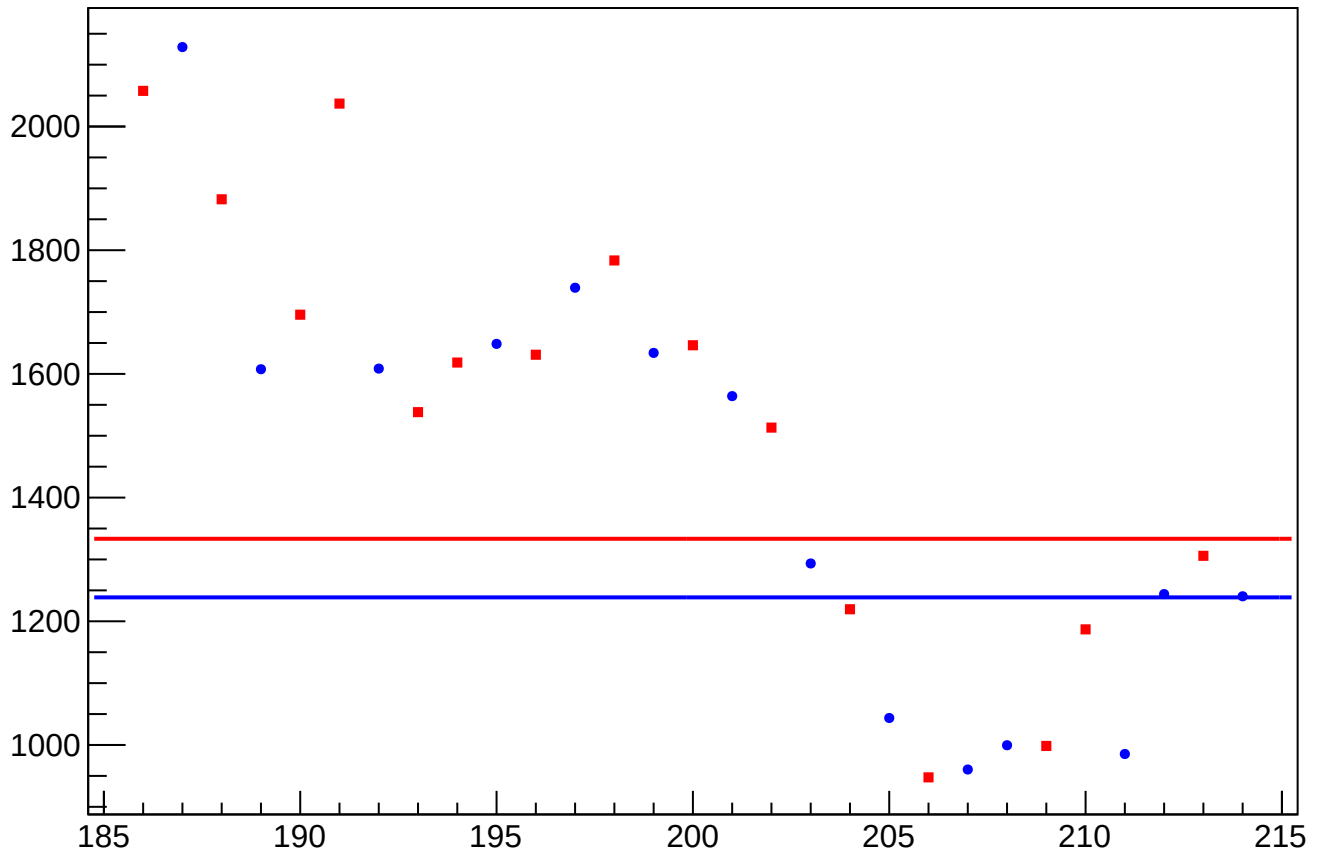
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 1306.435+/-294.160 χ^2/NDF : 29.9/28

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug



Right In: 1238.660+/-0.284 χ^2/NDF : 953268.3/13

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

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

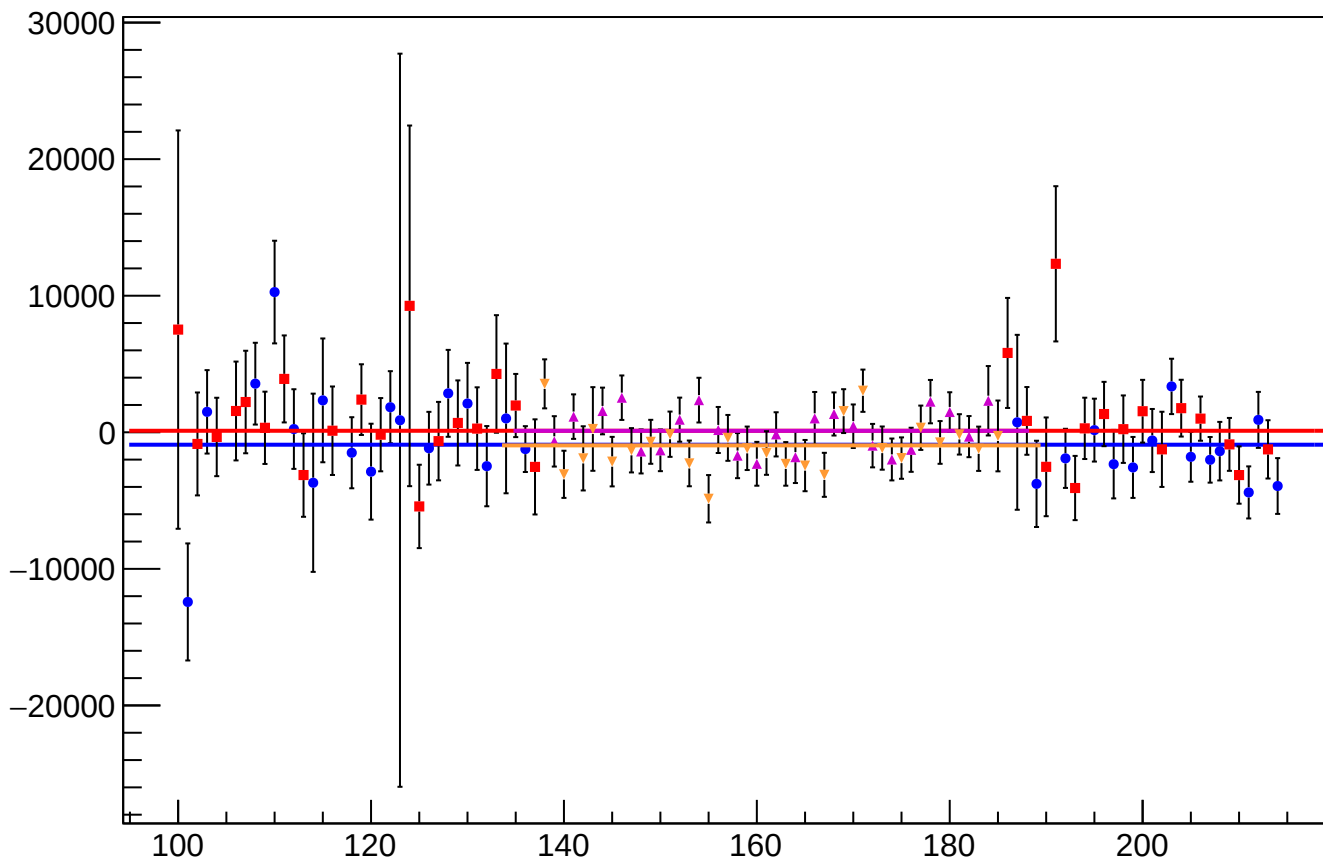
Right Out: 1333.410+/-0.305 χ^2/NDF : 1134065.5/14

All: 1282.667+/-0.208 χ^2/NDF : 2138946.9/28

- 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_dd_mean vs Slug



Right In: -909.413+/-460.703 χ^2/NDF : 37.8/30

Left Out: -958.410+/-339.496 χ^2/NDF : 28.5/24

Right Out: 111.192+/-468.872 χ^2/NDF : 25.5/33

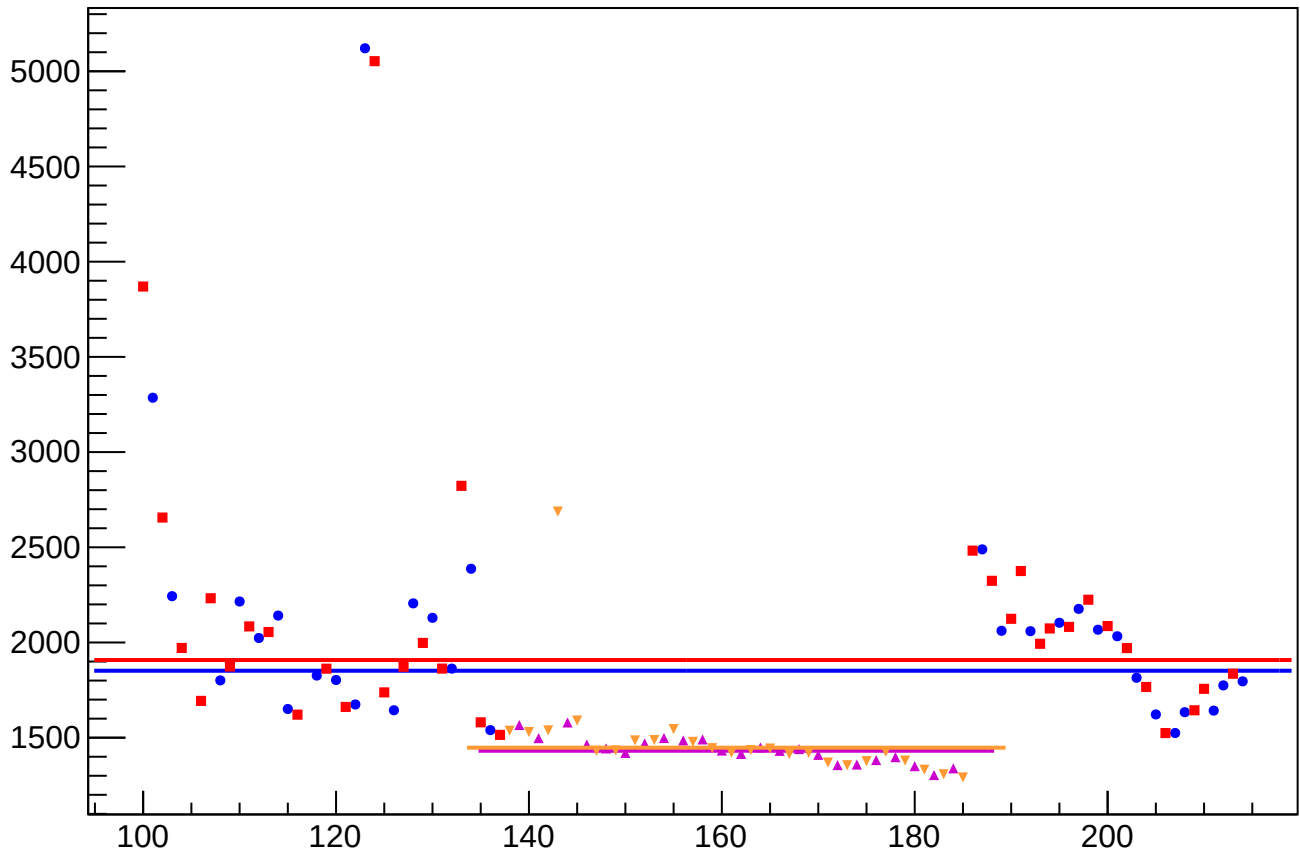
Left In: 107.512+/-343.663 χ^2/NDF : 19.5/22

+ sign -941.167+/-273.305 χ^2/NDF : 66.3/55

All: -423.578+/-194.612 χ^2/NDF : 118.6/112

- sign 108.798+/-277.181 χ^2/NDF : 45.0/56

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1851.615+/-0.326 χ^2/NDF : 766300.1/30

Left Out: 1447.554+/-0.240 χ^2/NDF : 419254.7/24

Right Out: 1907.866+/-0.332 χ^2/NDF : 819835.2/33

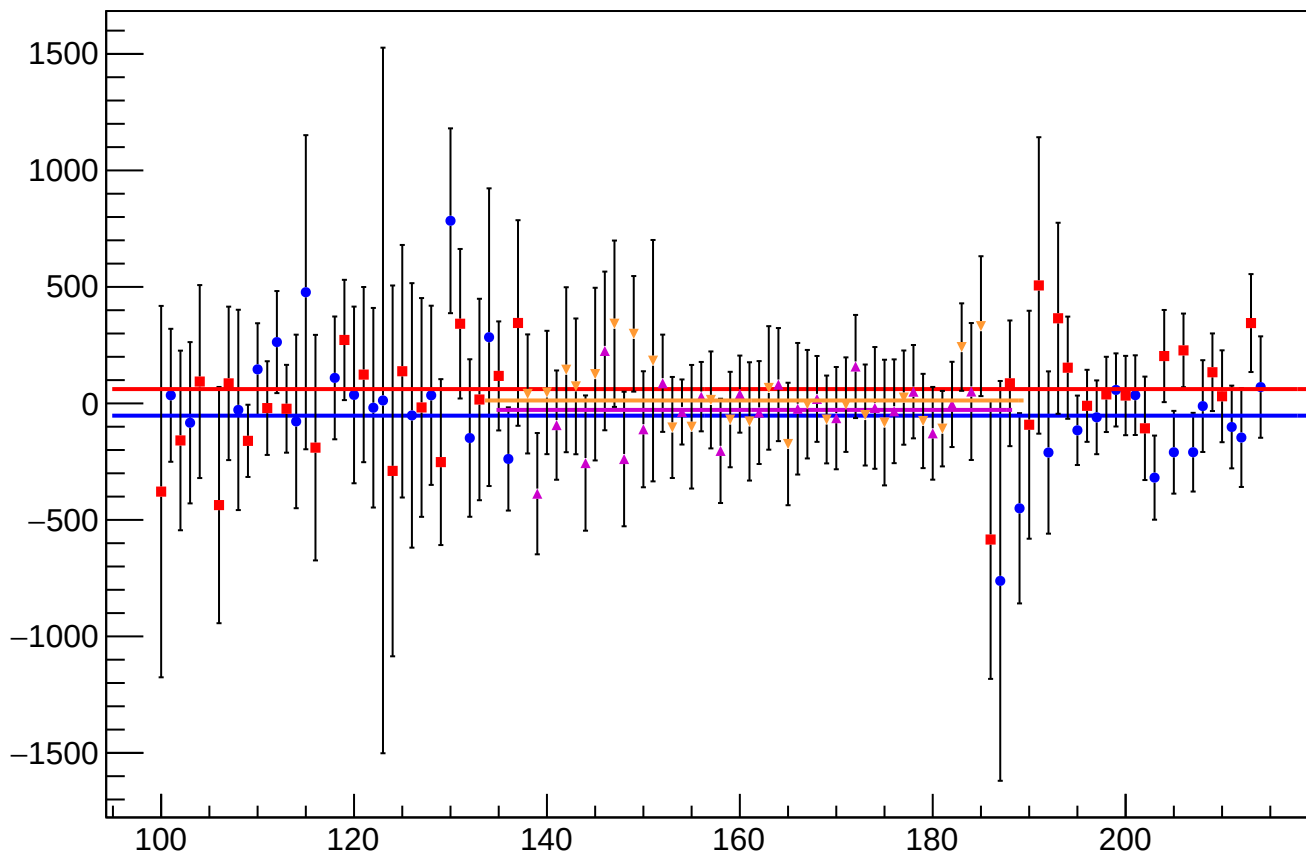
Left In: 1431.456+/-0.243 χ^2/NDF : 75130.4/22

+ sign 1589.754+/-0.193 χ^2/NDF : 2182578.6/55

All: 1593.796+/-0.138 χ^2/NDF : 4421666.0/11

- sign 1597.952+/-0.196 χ^2/NDF : 2238200.4/56

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -52.602 ± 43.419 χ^2/NDF : 17.0/30

Left Out: 12.618 ± 47.486 χ^2/NDF : 7.7/24

Right Out: 61.465 ± 43.078 χ^2/NDF : 14.2/33

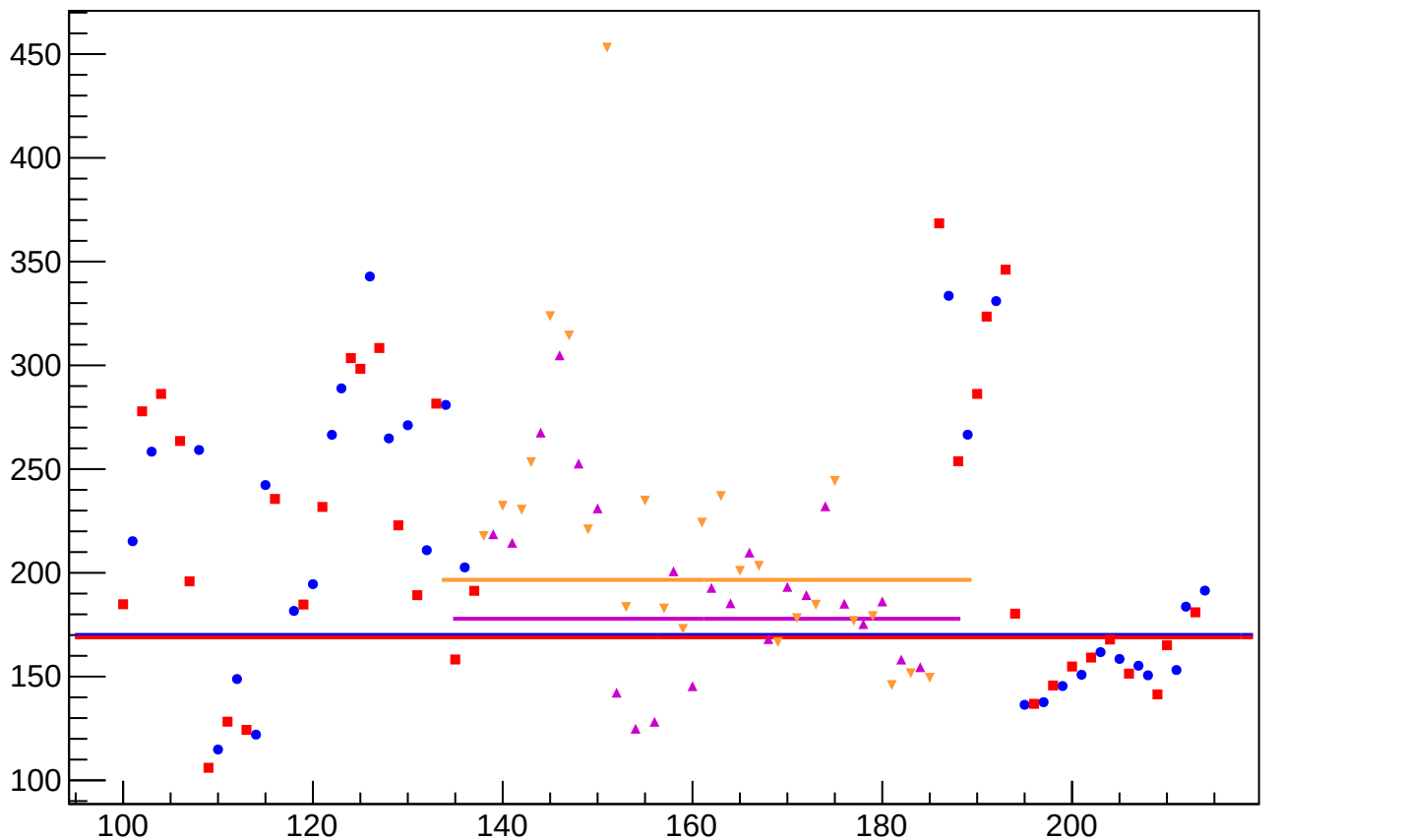
Left In: -27.921 ± 44.523 χ^2/NDF : 6.5/22

+ sign -22.904 ± 32.043 χ^2/NDF : 25.7/55

All: -1.621 ± 22.265 χ^2/NDF : 49.4/112

- sign 18.246 ± 30.959 χ^2/NDF : 22.8/56

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.063 $\pm$ 0.031 χ^2 /NDF: 2156982.2/30

Left Out: 196.620 $\pm$ 0.034 χ^2 /NDF:1793507.9/24

Right Out: 168.937 $\pm$ 0.030 χ^2 /NDF: 2838720.3/33

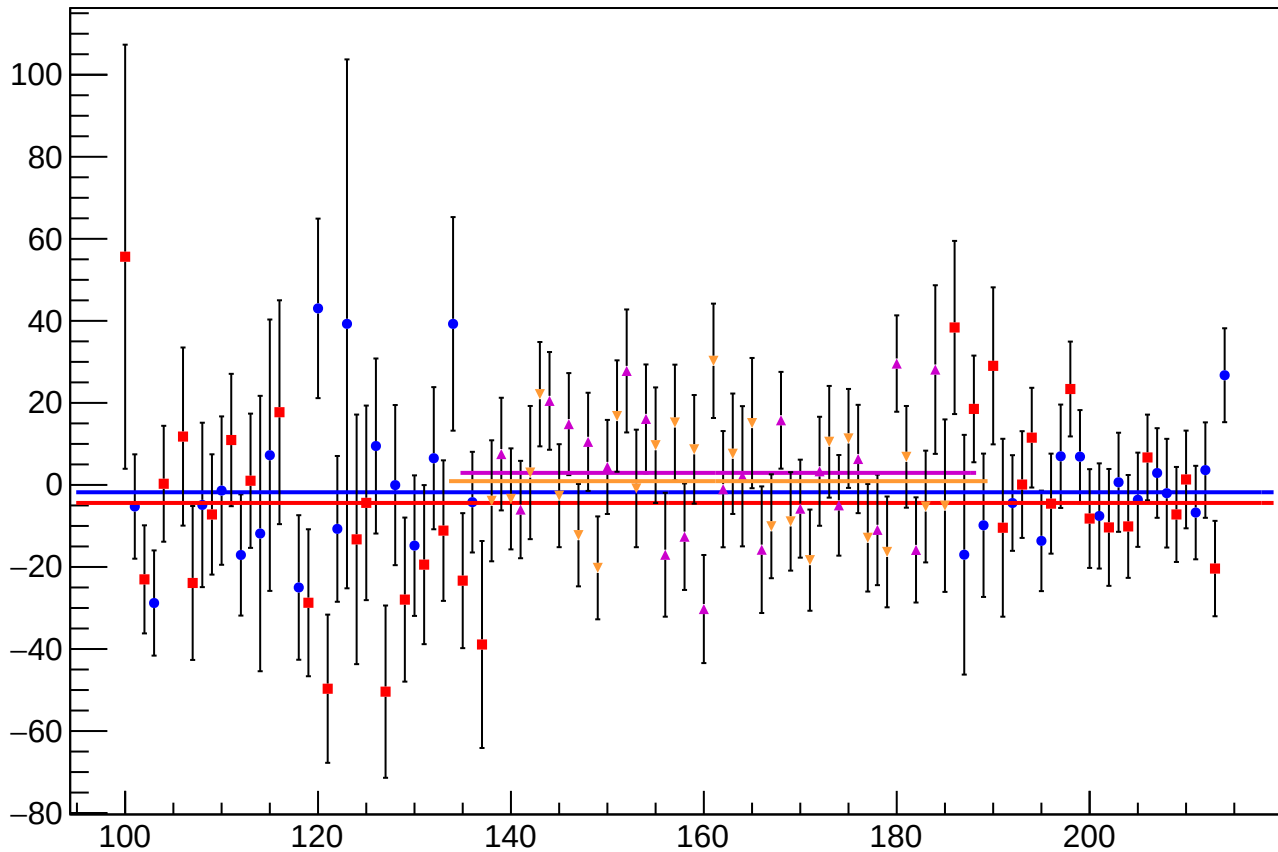
Left In: 177.878 $\pm$ 0.031 χ^2 /NDF:1644086.7/22

+ sign 182.156 $\pm$ 0.023 χ^2 /NDF: 4291175.8/55

All: 177.555 $\pm$ 0.016 χ^2 /NDF: 8895367.4/112

- sign 173.260 $\pm$ 0.022 χ^2 /NDF: 4524464.5/56

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.785 ± 2.650 χ^2/NDF : 25.6/30

Left Out: 0.920 ± 2.696 χ^2/NDF : 24.0/24

Right Out: -4.389 ± 2.636 χ^2/NDF : 46.9/33

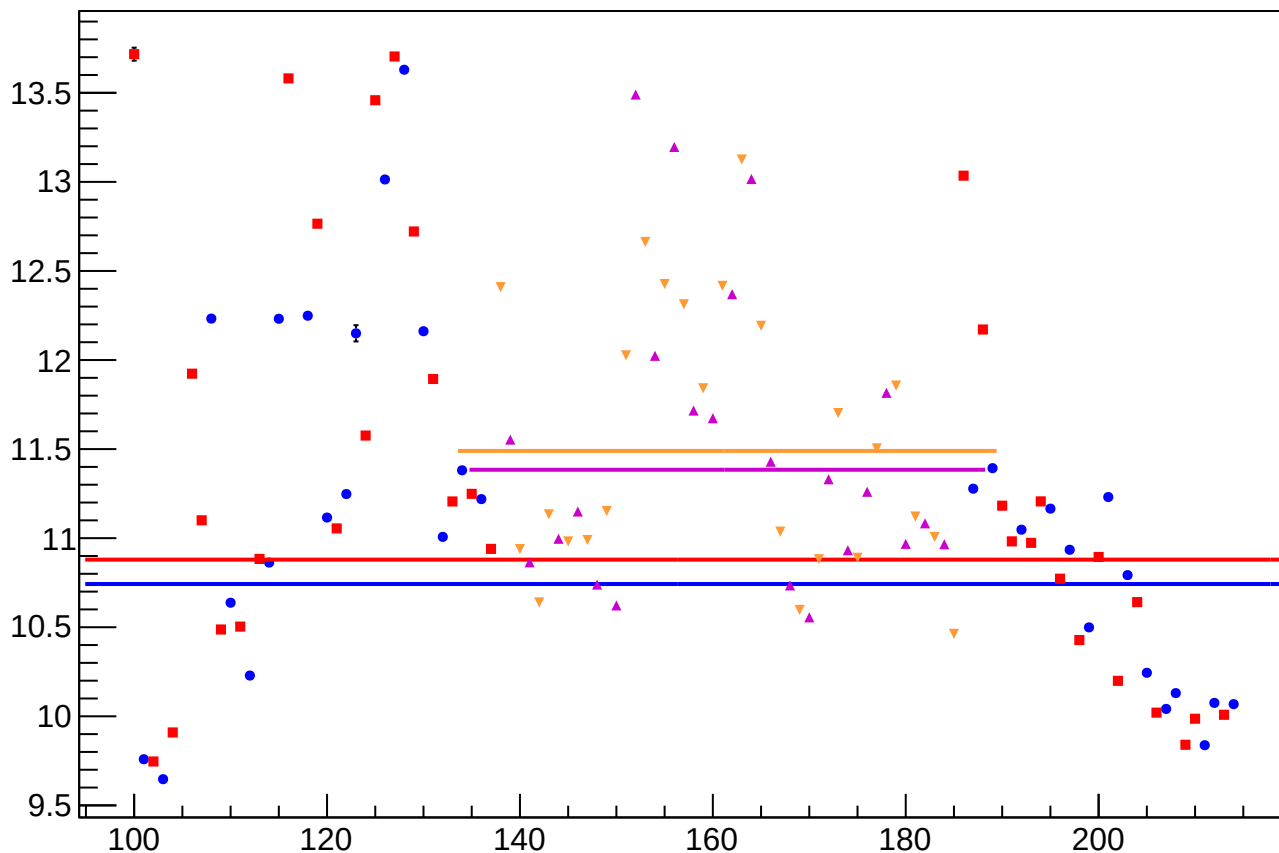
Left In: 2.941 ± 2.745 χ^2/NDF : 31.0/22

+ sign -0.456 ± 1.890 χ^2/NDF : 50.1/55

All: -0.663 ± 1.340 χ^2/NDF : 131.8/112

- sign -0.872 ± 1.901 χ^2/NDF : 81.6/56

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.743 $\pm$ 0.002 χ^2 /NDF: 200663.1/30

Left Out: 11.490 $\pm$ 0.002 χ^2 /NDF:132399.1/24

Right Out: 10.879 $\pm$ 0.002 χ^2 /NDF: 267939.7/33

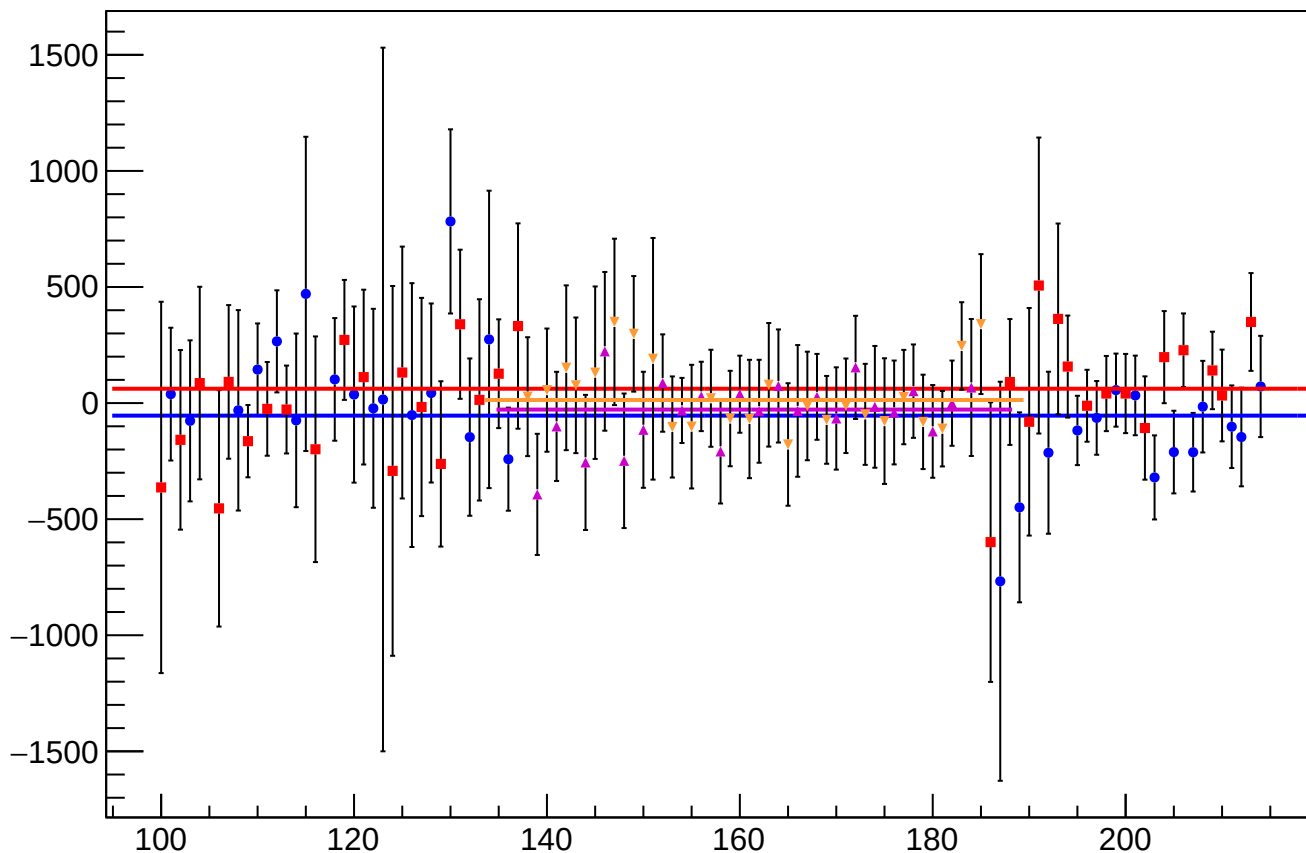
Left In: 11.384 $\pm$ 0.002 χ^2 /NDF:149799.6/22

+ sign 11.110 $\pm$ 0.001 χ^2 /NDF: 411184.7/55

All: 11.116 $\pm$ 0.001 χ^2 /NDF: 864133.5/112

- sign 11.122 $\pm$ 0.001 χ^2 /NDF: 452910.1/56

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -54.069 ± 43.524 χ^2/NDF : 17.0/30

Left Out: 13.323 ± 47.662 χ^2/NDF : 7.9/24

Right Out: 61.828 ± 43.191 χ^2/NDF : 14.4/33

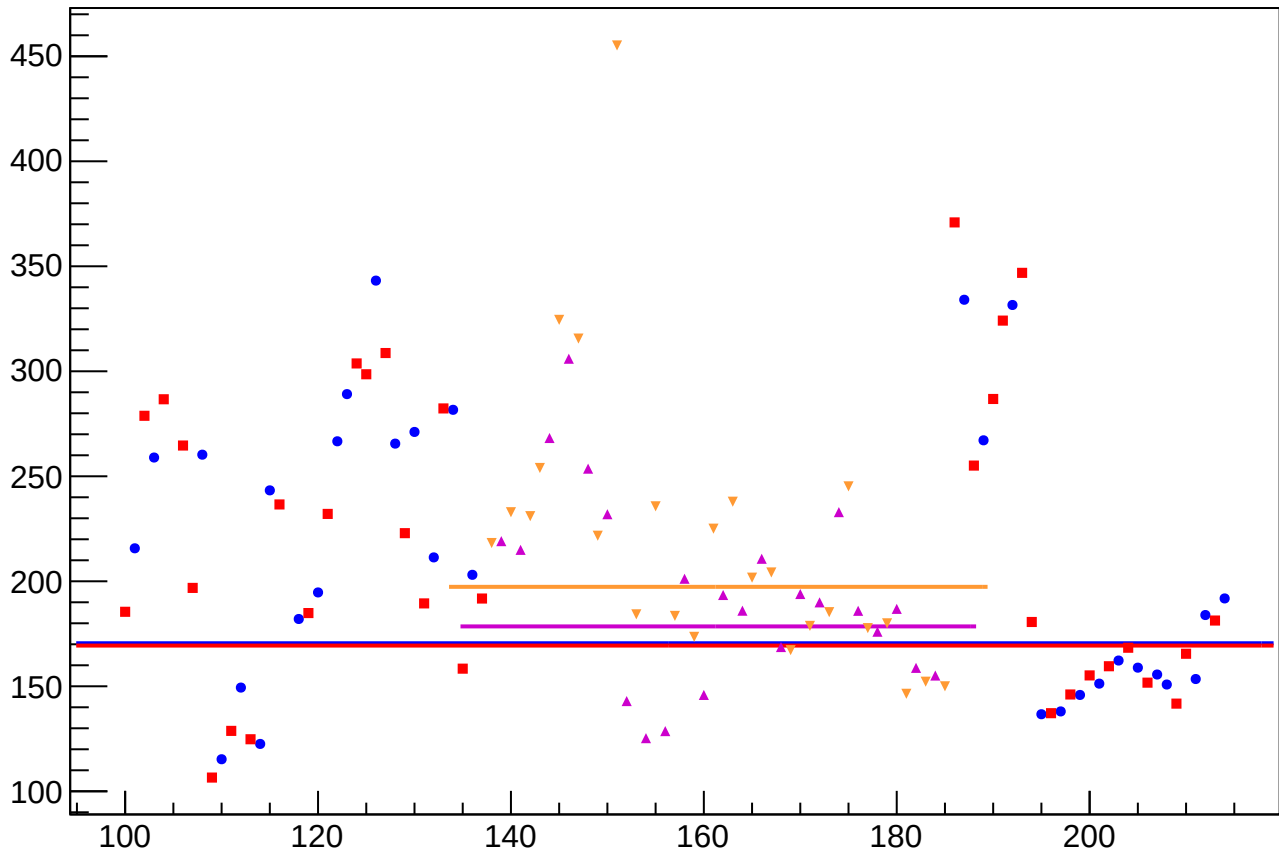
Left In: -28.050 ± 44.681 χ^2/NDF : 6.6/22

+ sign -23.426 ± 32.139 χ^2/NDF : 26.0/55

All: -1.788 ± 22.332 χ^2/NDF : 50.0/112

- sign 18.414 ± 31.054 χ^2/NDF : 23.1/56

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 170.486 $\pm$ 0.031 χ^2 /NDF: 2152030.6/30

Left Out: 197.355 $\pm$ 0.034 χ^2 /NDF:1790824.5/24

Right Out: 169.387 $\pm$ 0.031 χ^2 /NDF: 2835303.9/33

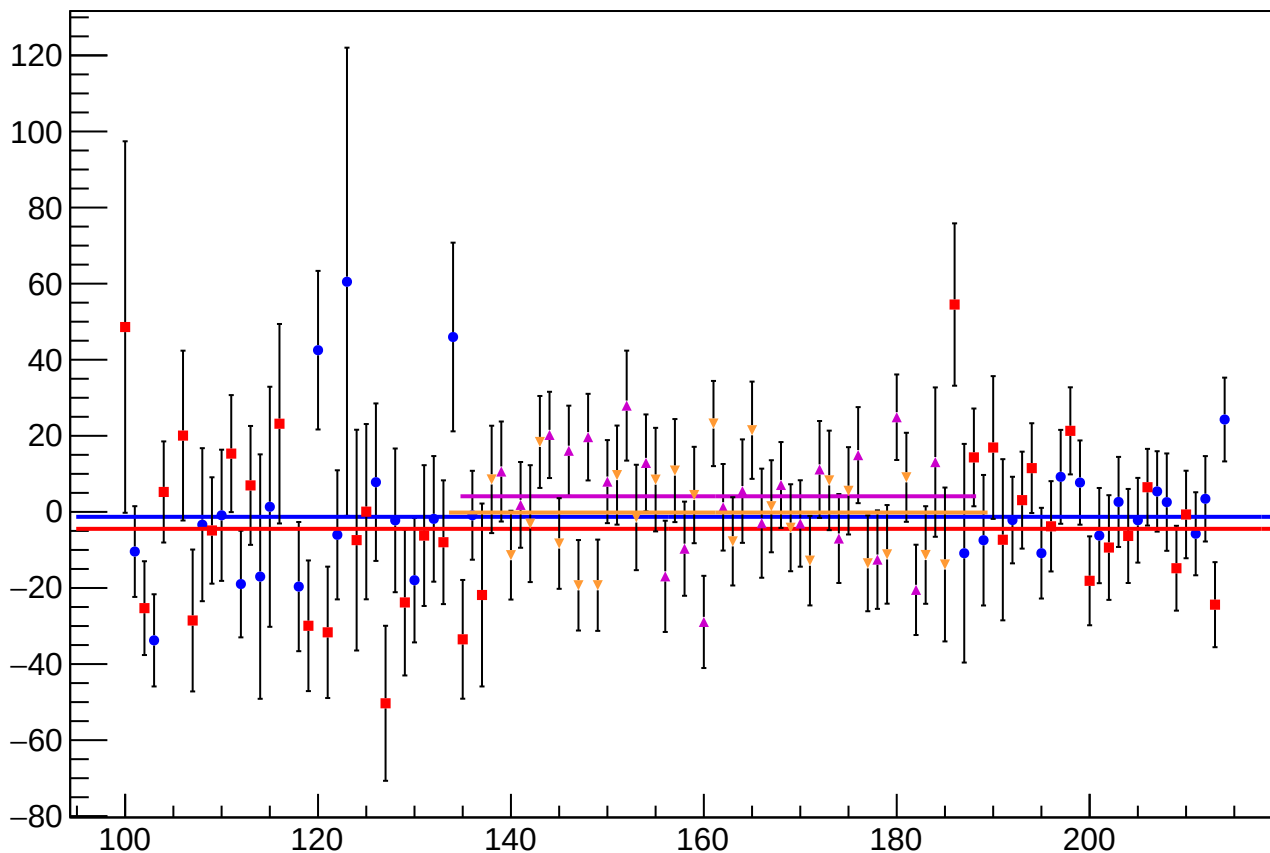
Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

+ sign 182.704 $\pm$ 0.023 χ^2 /NDF: 4289454.8/55

All: 178.096 $\pm$ 0.016 χ^2 /NDF: 8889660.3/112

- sign 173.795 $\pm$ 0.022 χ^2 /NDF: 4520731.3/56

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -1.297 ± 2.556 χ^2/NDF : 29.9/30

Left Out: -0.170 ± 2.520 χ^2/NDF : 24.4/24

Right Out: -4.453 ± 2.549 χ^2/NDF : 50.8/33

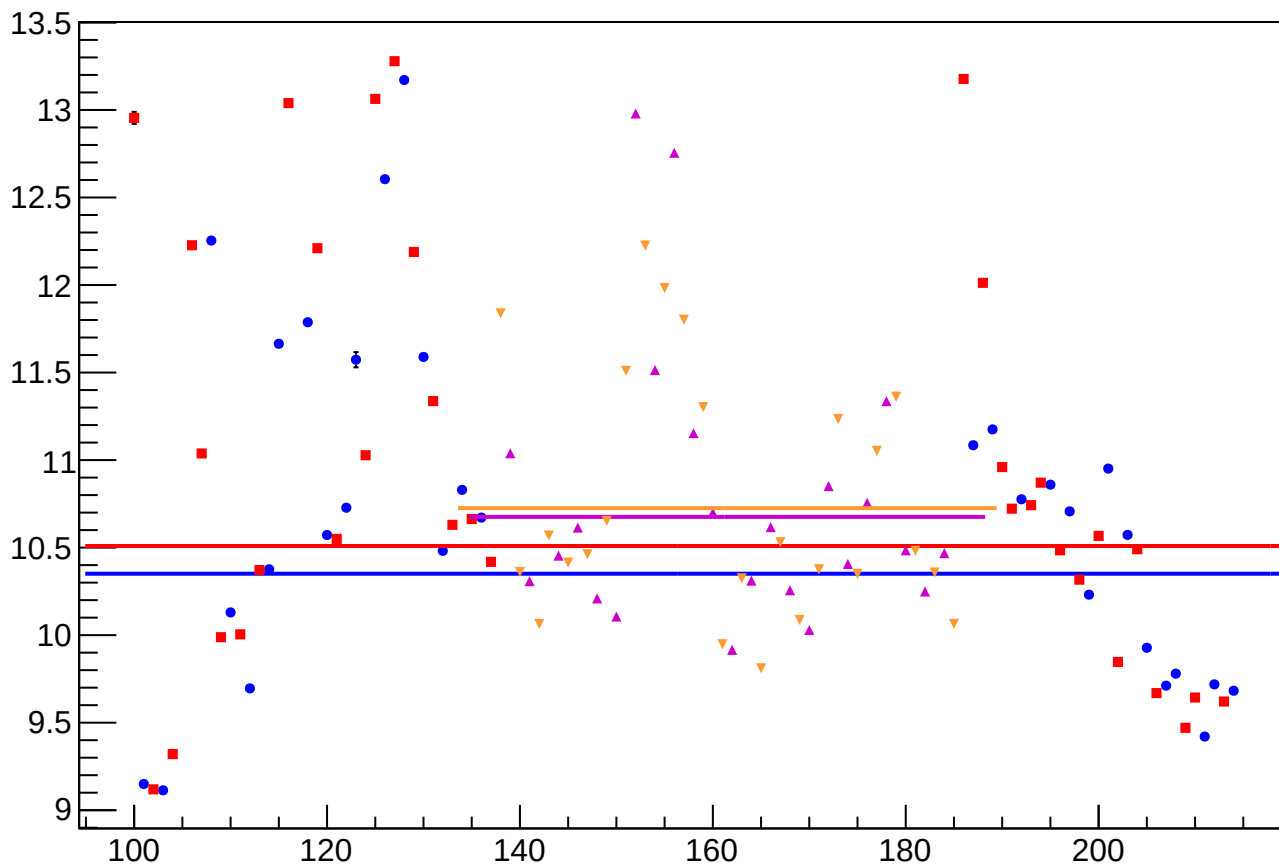
Left In: 4.107 ± 2.577 χ^2/NDF : 31.5/22

+ sign -0.726 ± 1.795 χ^2/NDF : 54.4/55

All: -0.475 ± 1.275 χ^2/NDF : 142.3/112

- sign -0.220 ± 1.812 χ^2/NDF : 87.9/56

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.351 $\pm$ 0.002 χ^2 /NDF: 227653.5/30

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132170.8/24

Right Out: 10.509 $\pm$ 0.002 χ^2 /NDF: 308065.3/33

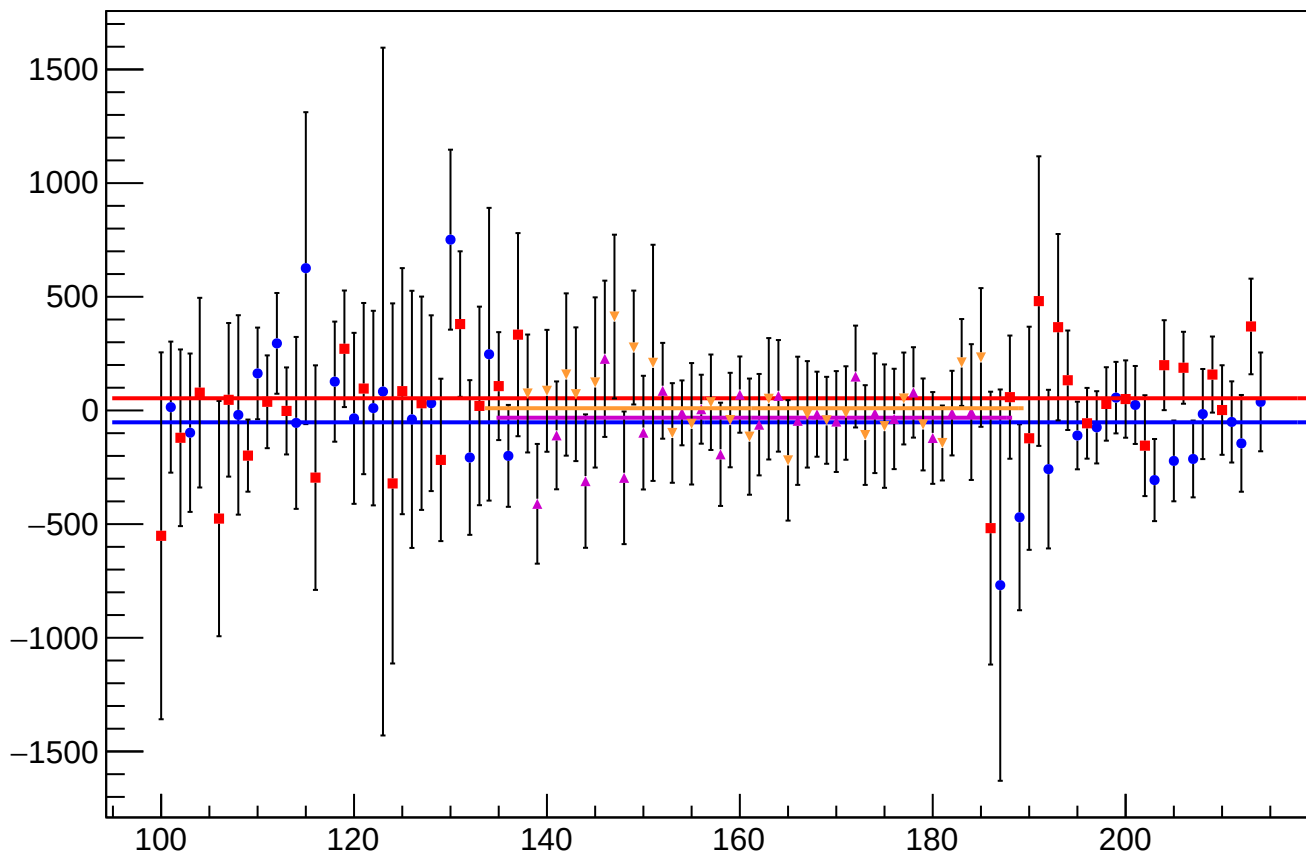
Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

+ sign 10.541 $\pm$ 0.001 χ^2 /NDF: 381597.0/55

All: 10.566 $\pm$ 0.001 χ^2 /NDF: 840590.8/112

- sign 10.591 $\pm$ 0.001 χ^2 /NDF: 458207.0/56

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -52.193 ± 43.593 χ^2/NDF : 17.3/30

Left Out: 9.801 ± 47.979 χ^2/NDF : 7.5/24

Right Out: 53.606 ± 43.319 χ^2/NDF : 15.5/33

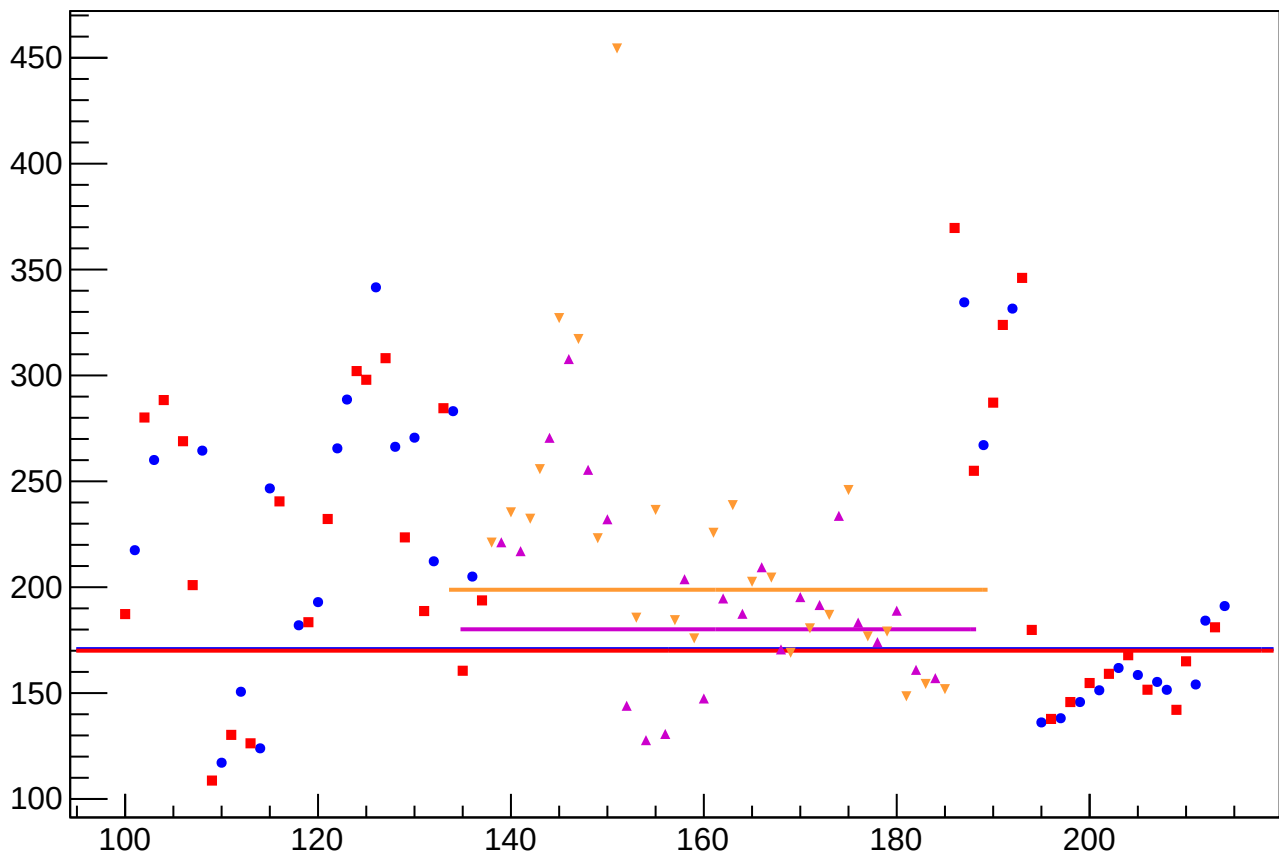
Left In: -31.989 ± 45.038 χ^2/NDF : 7.2/22

+ sign -24.158 ± 32.264 χ^2/NDF : 25.7/55

All: -5.241 ± 22.436 χ^2/NDF : 51.0/112

- sign 12.474 ± 31.221 χ^2/NDF : 24.6/56

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.765 $\pm$ 0.031 χ^2 /NDF: 2148685.9/30

Left Out: 198.800 $\pm$ 0.034 χ^2 /NDF: 1763119.1/24

Right Out: 170.028 $\pm$ 0.031 χ^2 /NDF: 2794396.8/33

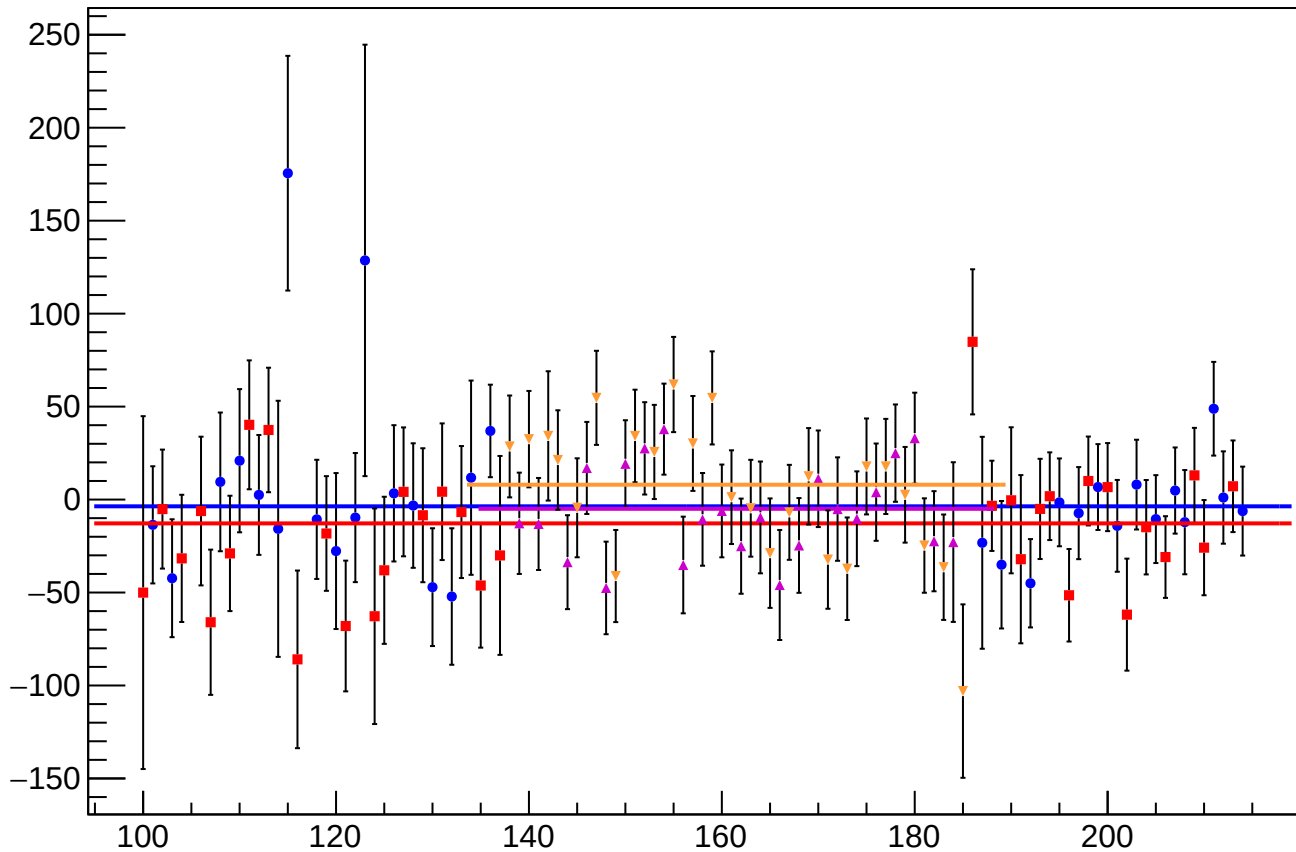
Left In: 180.123 $\pm$ 0.032 χ^2 /NDF: 1593842.6/22

+ sign 183.443 $\pm$ 0.023 χ^2 /NDF: 4285873.6/55

All: 179.020 $\pm$ 0.016 χ^2 /NDF: 8799072.4/112

- sign 174.879 $\pm$ 0.022 χ^2 /NDF: 4440434.0/56

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.636 $\pm$ 5.417 χ^2/NDF : 27.7/30

Left Out: 7.990 $\pm$ 5.327 χ^2/NDF : 37.4/24

Right Out: -12.813 $\pm$ 5.357 χ^2/NDF : 31.3/33

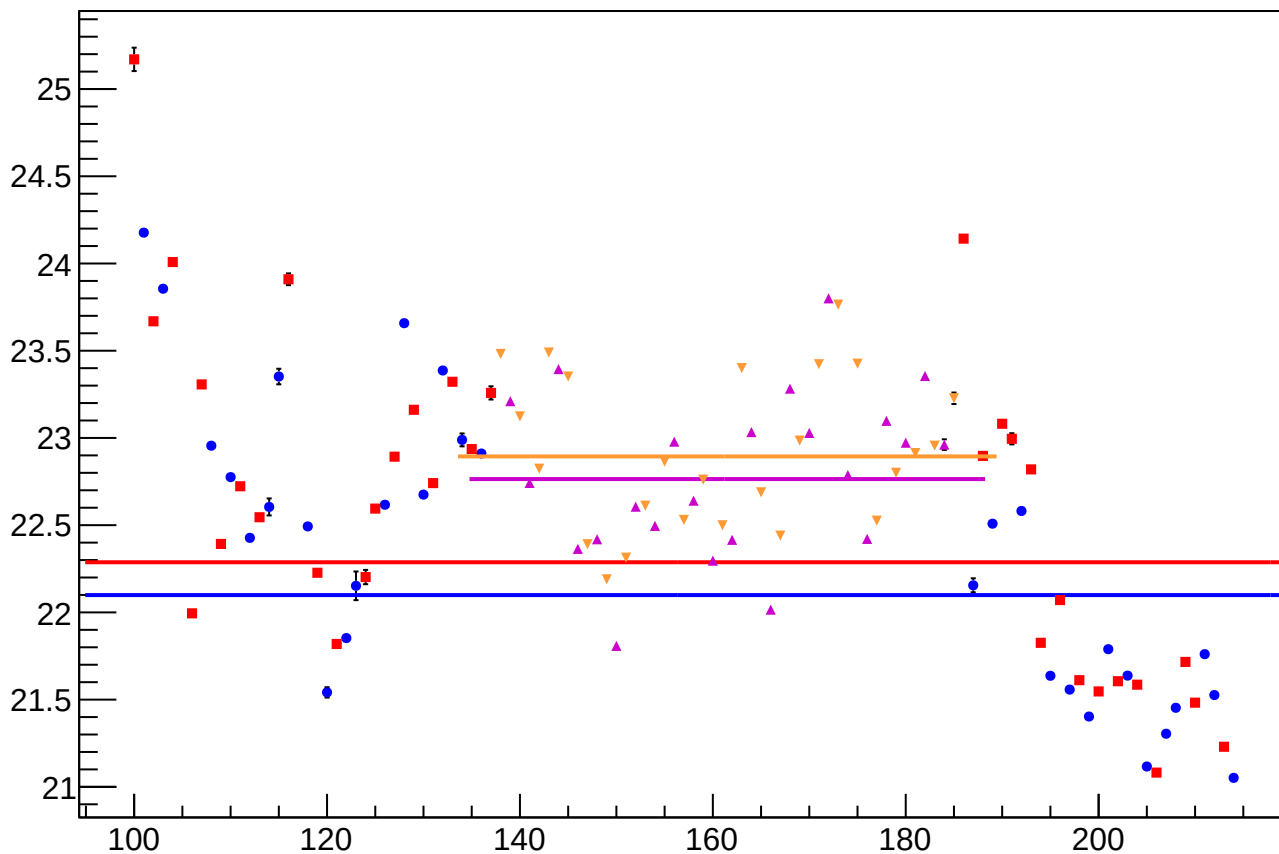
Left In: -4.973 $\pm$ 5.444 χ^2/NDF : 20.5/22

+ sign 2.274 $\pm$ 3.798 χ^2/NDF : 67.5/55

All: -3.311 $\pm$ 2.693 χ^2/NDF : 124.6/112

- sign -8.956 $\pm$ 3.818 χ^2/NDF : 52.8/56

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.099 ± 0.004 $\chi^2/\text{NDF}: 46759.9/30$

Left Out: 22.894 ± 0.004 $\chi^2/\text{NDF}: 13070.5/24$

Right Out: 22.287 ± 0.004 $\chi^2/\text{NDF}: 48137.5/33$

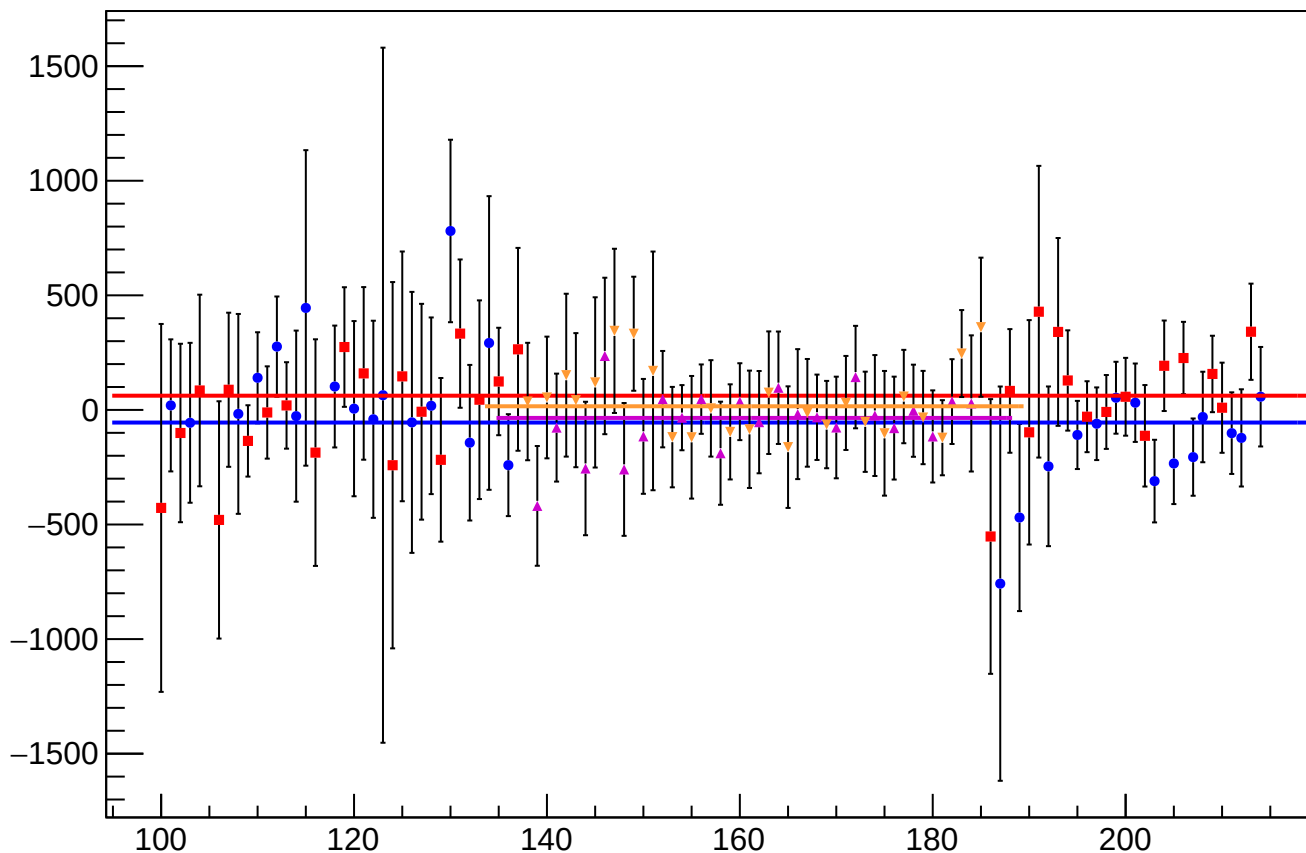
Left In: 22.764 ± 0.004 $\chi^2/\text{NDF}: 14665.7/22$

+ sign 22.503 ± 0.003 $\chi^2/\text{NDF}: 81719.1/55$

All: 22.513 ± 0.002 $\chi^2/\text{NDF}: 152340.4/112$

- sign 22.522 ± 0.003 $\chi^2/\text{NDF}: 70597.3/56$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -55.120 ± 43.469 χ^2/NDF : 16.9/30

Left Out: 15.904 ± 47.898 χ^2/NDF : 8.4/24

Right Out: 62.073 ± 43.137 χ^2/NDF : 13.1/33

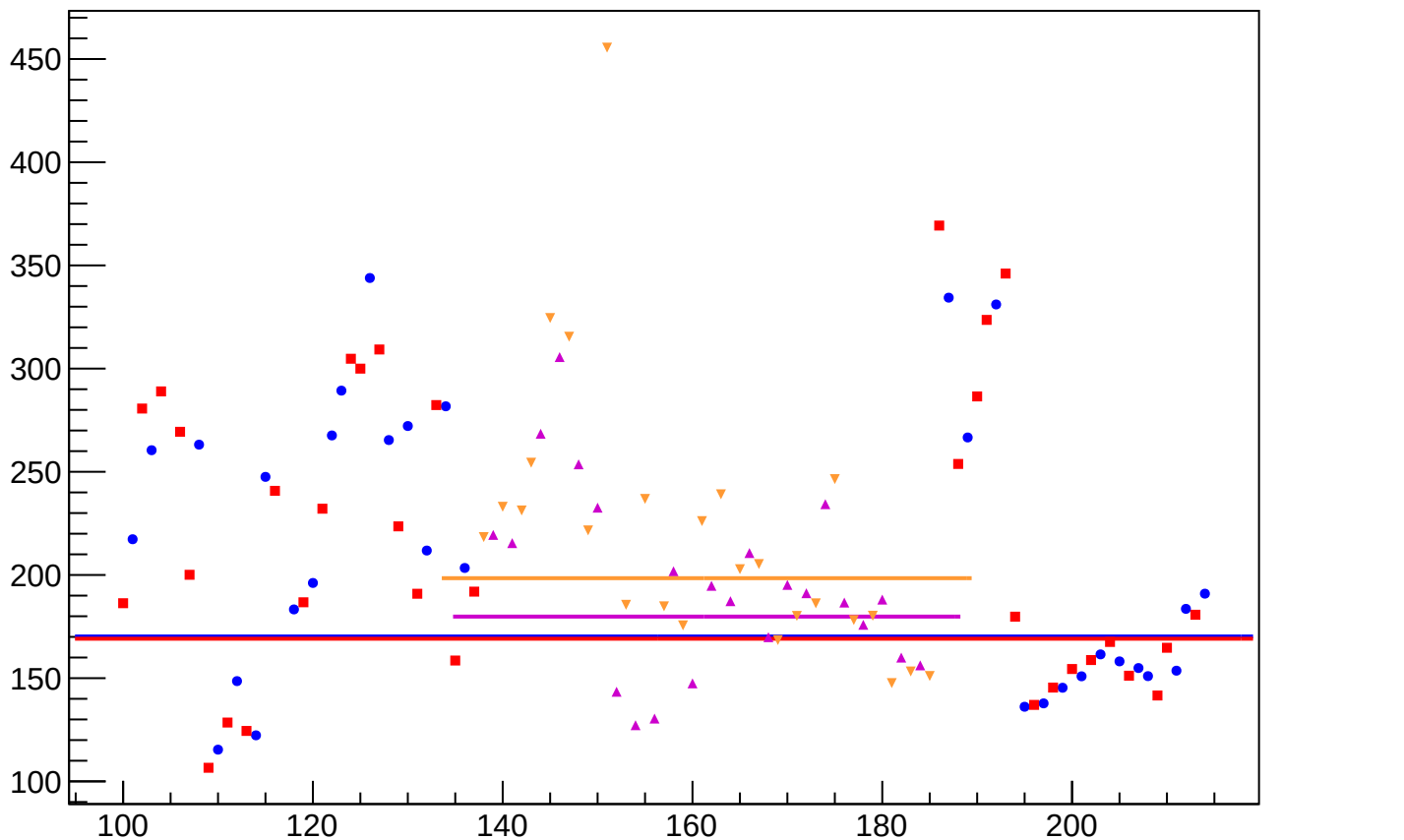
Left In: -34.919 ± 44.971 χ^2/NDF : 6.6/22

+ sign -23.043 ± 32.190 χ^2/NDF : 26.5/55

All: -3.078 ± 22.378 χ^2/NDF : 49.4/112

- sign 15.595 ± 31.131 χ^2/NDF : 22.1/56

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.204 $\pm$ 0.031 χ^2 /NDF: 2179594.2/30

Left Out: 198.450 $\pm$ 0.034 χ^2 /NDF: 1761433.9/24

Right Out: 169.121 $\pm$ 0.031 χ^2 /NDF: 2862538.5/33

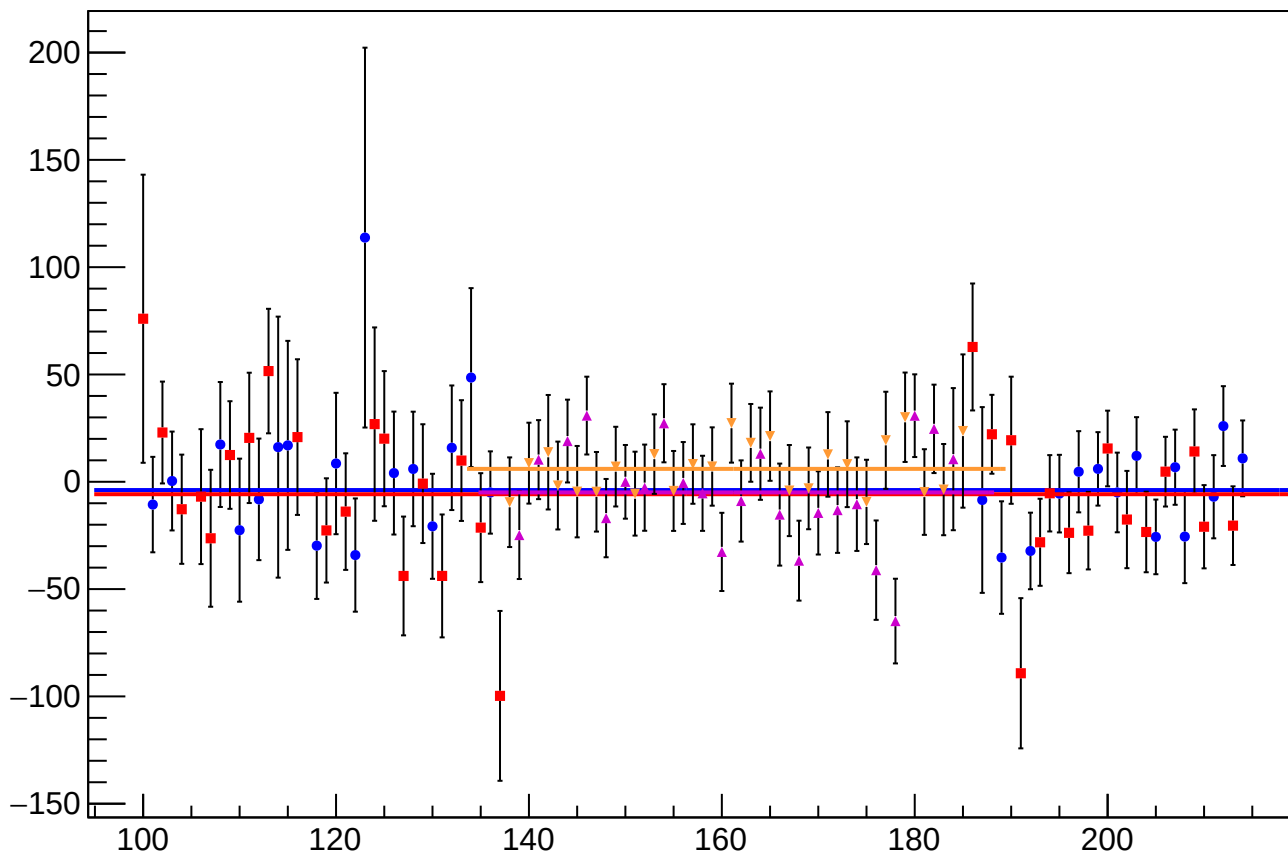
Left In: 179.839 $\pm$ 0.032 χ^2 /NDF: 1588834.3/22

+ sign 182.961 $\pm$ 0.023 χ^2 /NDF: 4322401.0/55

All: 178.463 $\pm$ 0.016 χ^2 /NDF: 8908506.1/112

- sign 174.257 $\pm$ 0.022 χ^2 /NDF: 4510542.4/56

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.848 ± 4.130 χ^2/NDF : 19.9/30

Left Out: 6.020 ± 4.017 χ^2/NDF : 8.1/24

Right Out: -5.788 ± 4.097 χ^2/NDF : 43.4/33

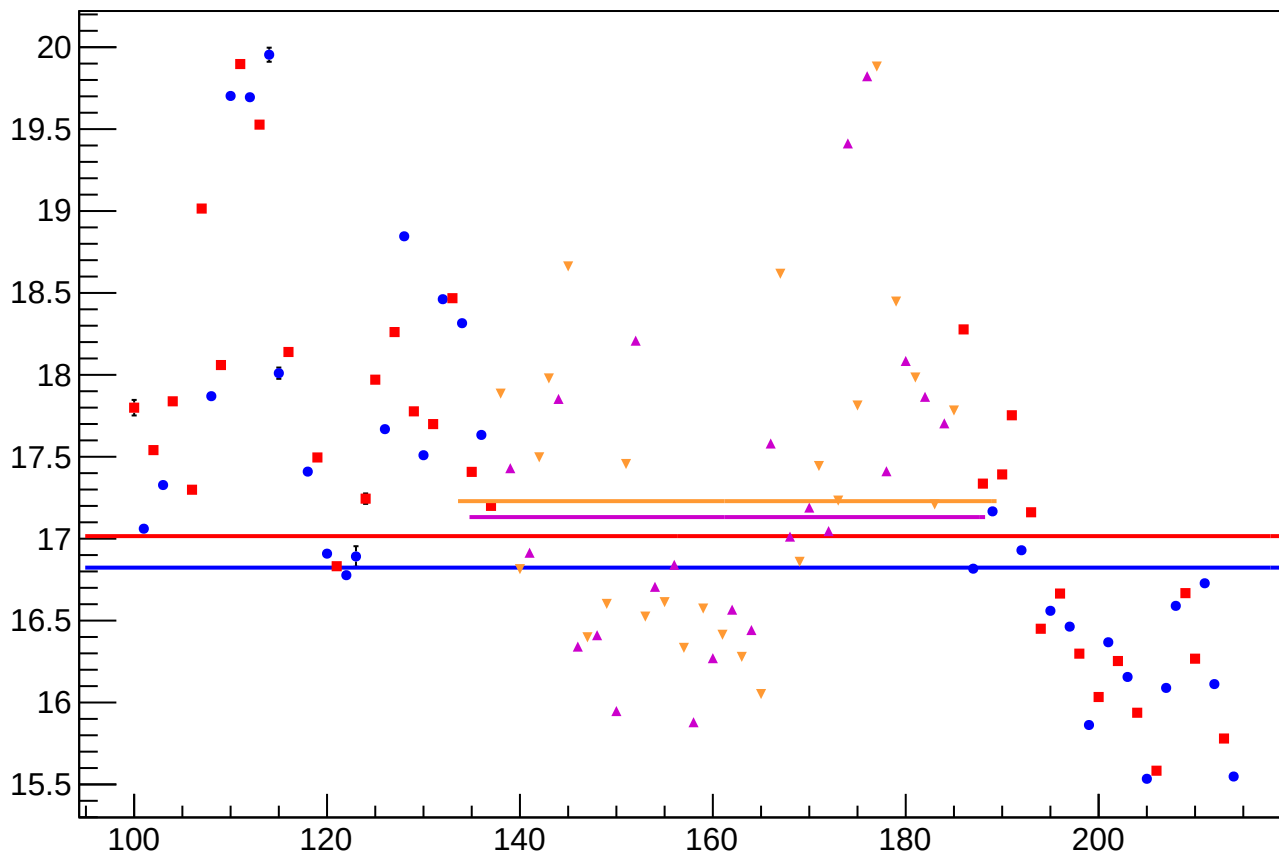
Left In: -4.943 ± 4.108 χ^2/NDF : 34.8/22

+ sign 1.222 ± 2.879 χ^2/NDF : 31.0/55

All: -2.049 ± 2.044 χ^2/NDF : 111.8/112

- sign -5.367 ± 2.901 χ^2/NDF : 78.2/56

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.823 ± 0.003 $\chi^2/\text{NDF}: 114116.4/30$

Left Out: 17.229 ± 0.003 $\chi^2/\text{NDF}: 98624.7/24$

Right Out: 17.016 ± 0.003 $\chi^2/\text{NDF}: 119833.8/33$

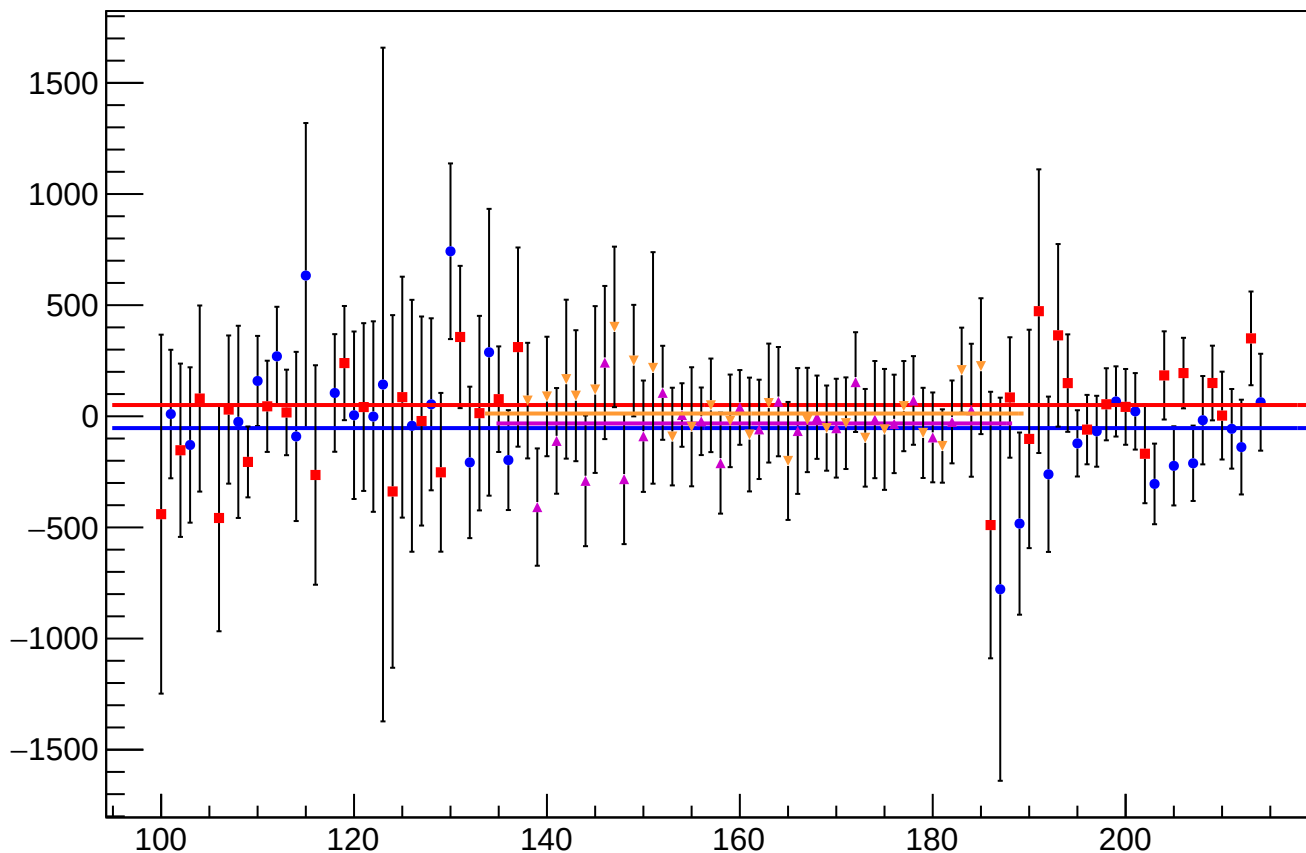
Left In: 17.132 ± 0.003 $\chi^2/\text{NDF}: 103997.3/22$

+ sign 17.032 ± 0.002 $\chi^2/\text{NDF}: 222662.3/55$

All: 17.053 ± 0.001 $\chi^2/\text{NDF}: 447504.6/112$

- sign 17.074 ± 0.002 $\chi^2/\text{NDF}: 224633.6/56$

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -53.110 ± 43.723 $\chi^2/\text{NDF}: 17.1/30$

Left Out: 12.474 ± 48.086 $\chi^2/\text{NDF}: 6.8/24$

Right Out: 50.677 ± 43.433 $\chi^2/\text{NDF}: 14.8/33$

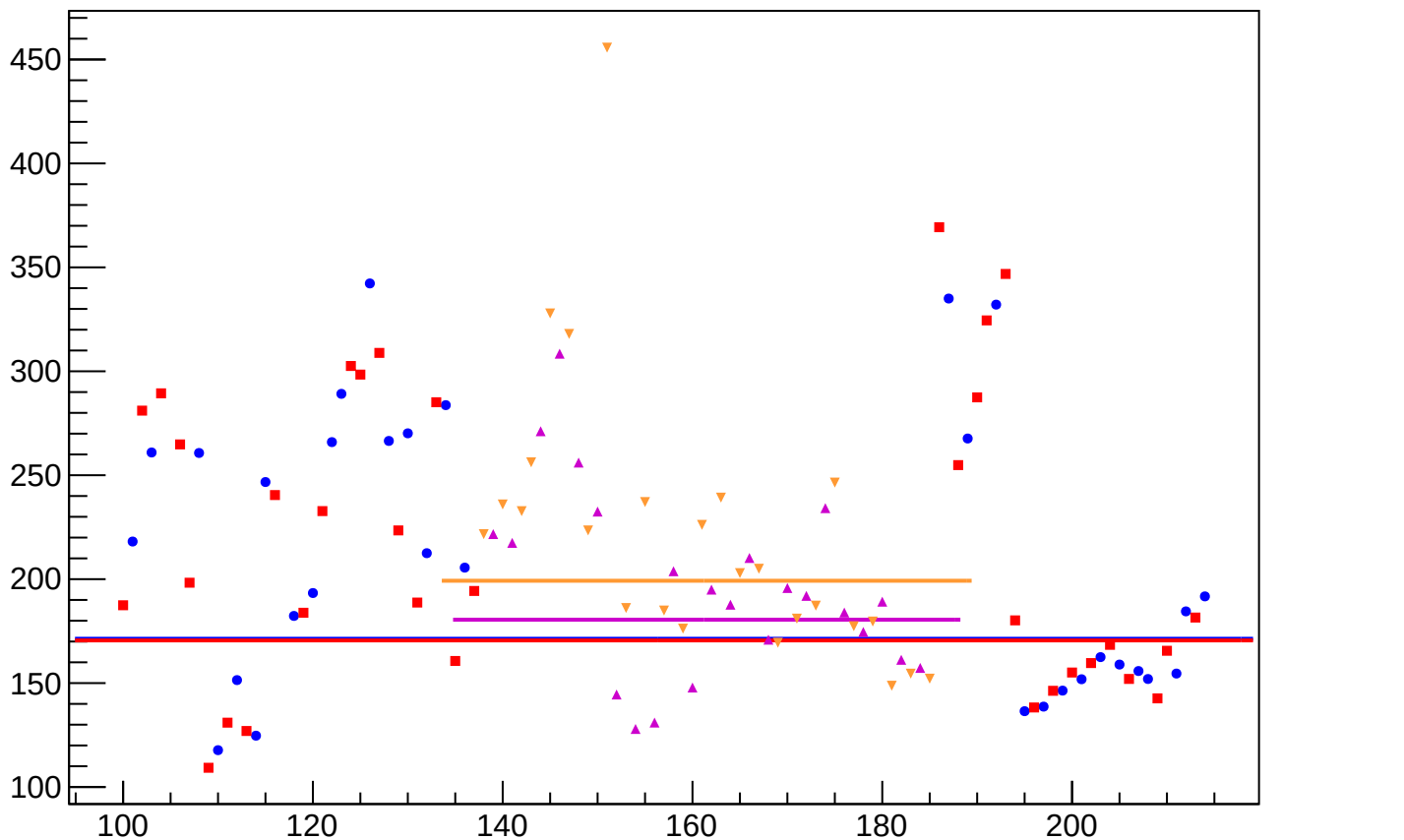
Left In: -32.159 ± 45.131 $\chi^2/\text{NDF}: 6.9/22$

+ sign -23.428 ± 32.350 $\chi^2/\text{NDF}: 24.9/55$

All: -5.723 ± 22.493 $\chi^2/\text{NDF}: 49.0/112$

- sign 10.846 ± 31.295 $\chi^2/\text{NDF}: 23.5/56$

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.324+/-0.031 χ^2/NDF : 2130316.8/30

Left Out: 199.241+/-0.034 χ^2/NDF :1764097.7/24

Right Out: 170.541+/-0.031 χ^2/NDF : 2769712.8/33

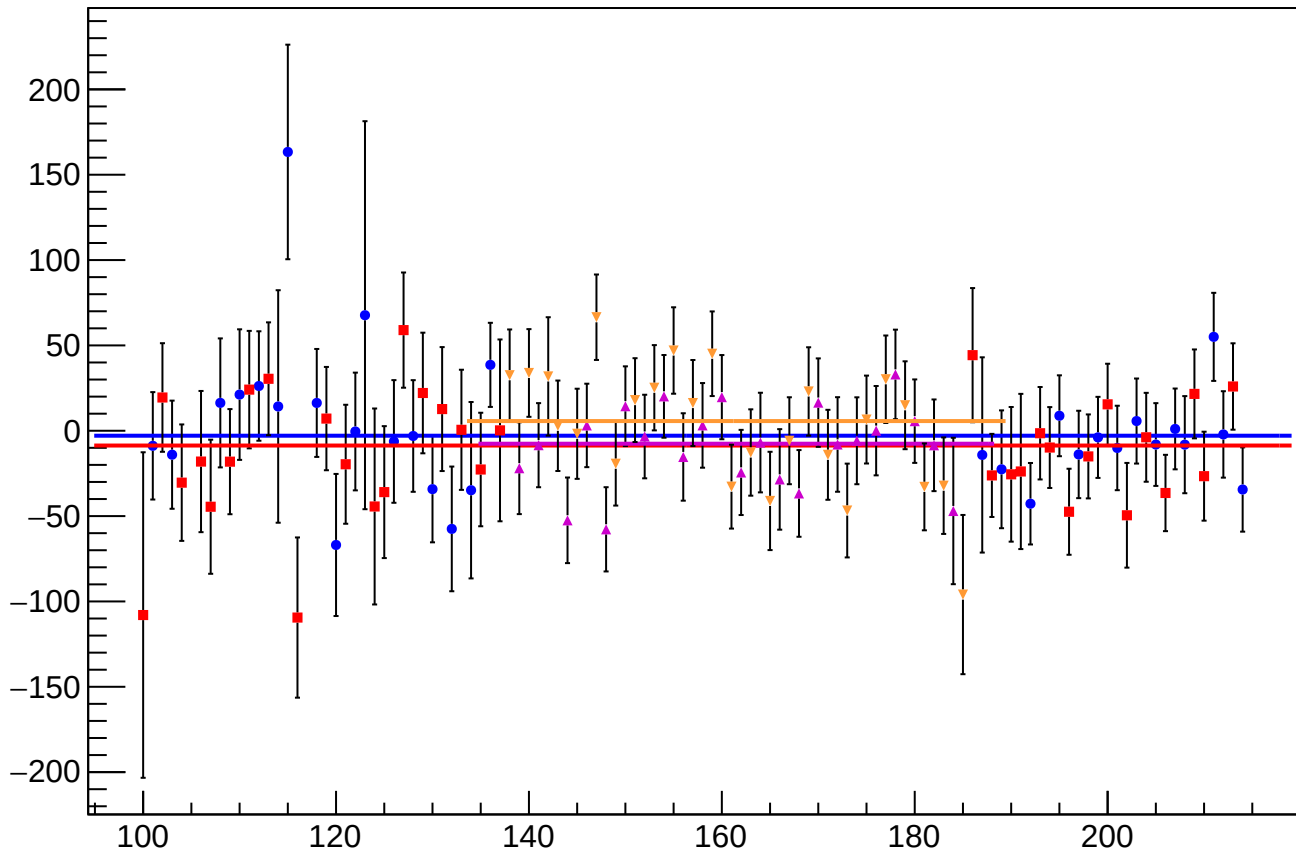
Left In: 180.494+/-0.032 χ^2/NDF :1593784.1/22

+ sign 183.959+/-0.023 χ^2/NDF : 4263427.7/55

All: 179.500+/-0.016 χ^2/NDF : 8750980.8/112

- sign 175.327+/-0.022 χ^2/NDF : 4413989.5/56

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.903 ± 5.464 $\chi^2/\text{NDF}: 28.9/30$

Left Out: 5.673 ± 5.278 $\chi^2/\text{NDF}: 36.4/24$

Right Out: -8.659 ± 5.384 $\chi^2/\text{NDF}: 30.0/33$

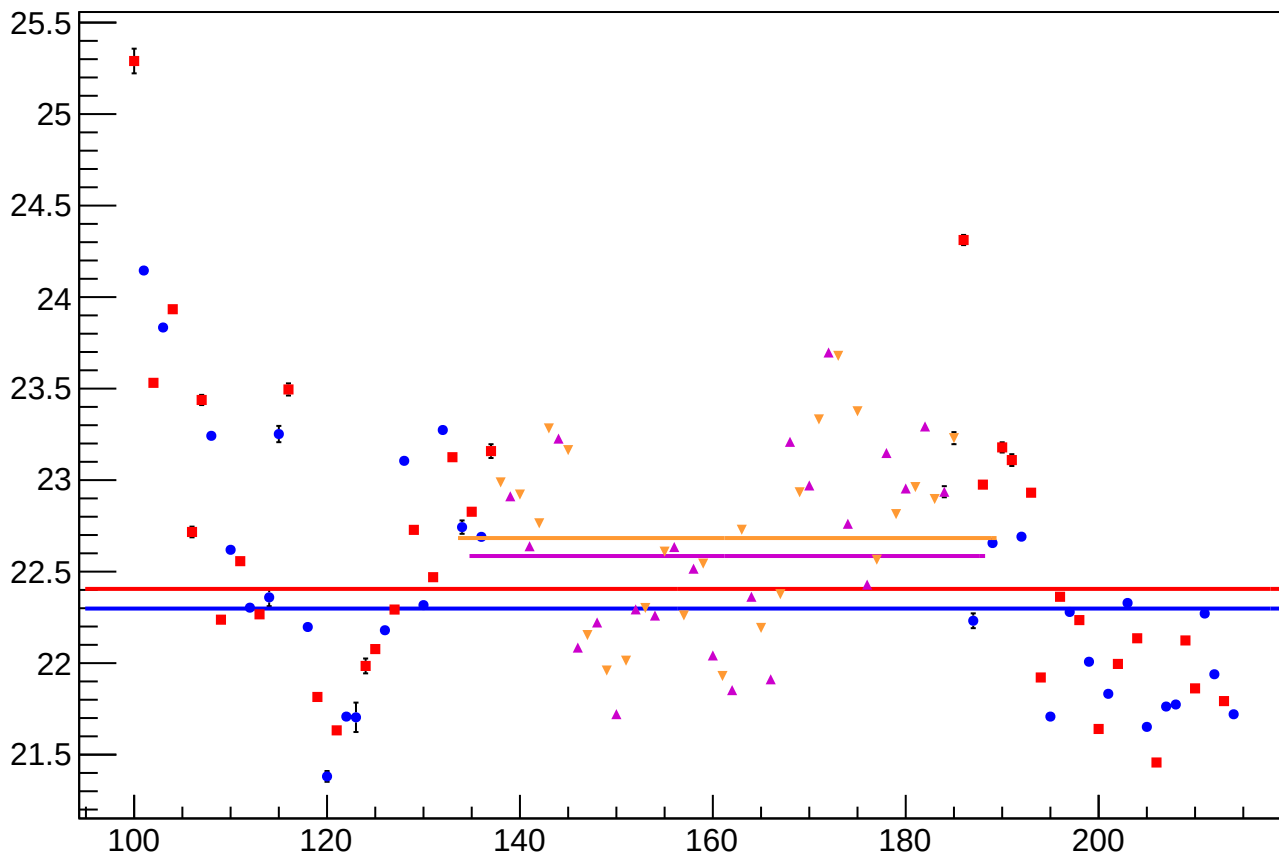
Left In: -7.594 ± 5.402 $\chi^2/\text{NDF}: 18.3/22$

+ sign 1.534 ± 3.796 $\chi^2/\text{NDF}: 66.5/55$

All: -3.275 ± 2.690 $\chi^2/\text{NDF}: 118.1/112$

- sign -8.128 ± 3.813 $\chi^2/\text{NDF}: 48.4/56$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.298 $\pm$ 0.004 χ^2 /NDF: 26034.2/30

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16318.1/24

Right Out: 22.406 $\pm$ 0.004 χ^2 /NDF: 32066.3/33

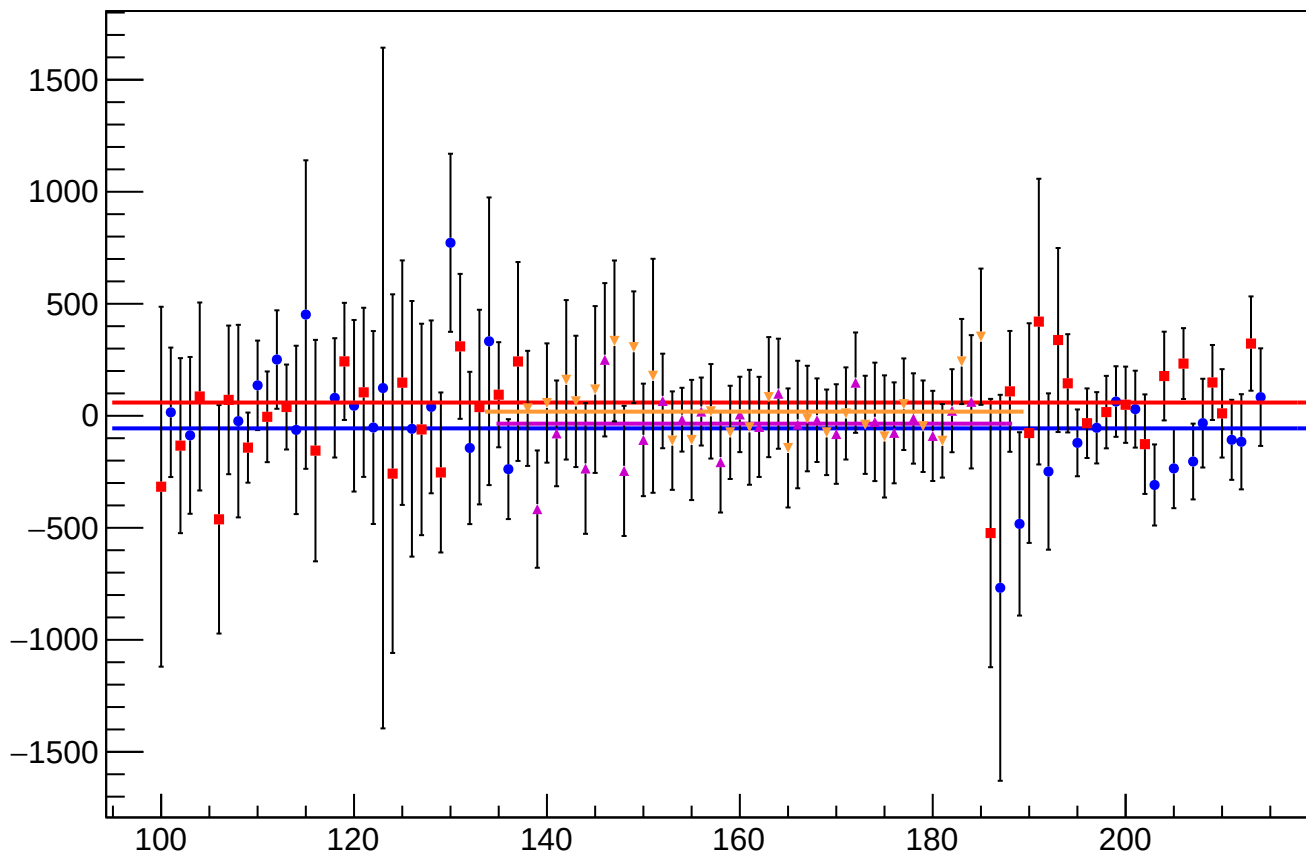
Left In: 22.585 $\pm$ 0.004 χ^2 /NDF: 18087.5/22

+ sign 22.498 $\pm$ 0.003 χ^2 /NDF: 47495.8/55

All: 22.496 $\pm$ 0.002 χ^2 /NDF: 98759.7/112

- sign 22.495 $\pm$ 0.003 χ^2 /NDF: 51263.6/56

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -56.109 ± 43.600 χ^2/NDF : 16.7/30

Left Out: 18.633 ± 48.006 χ^2/NDF : 7.6/24

Right Out: 59.201 ± 43.252 χ^2/NDF : 12.4/33

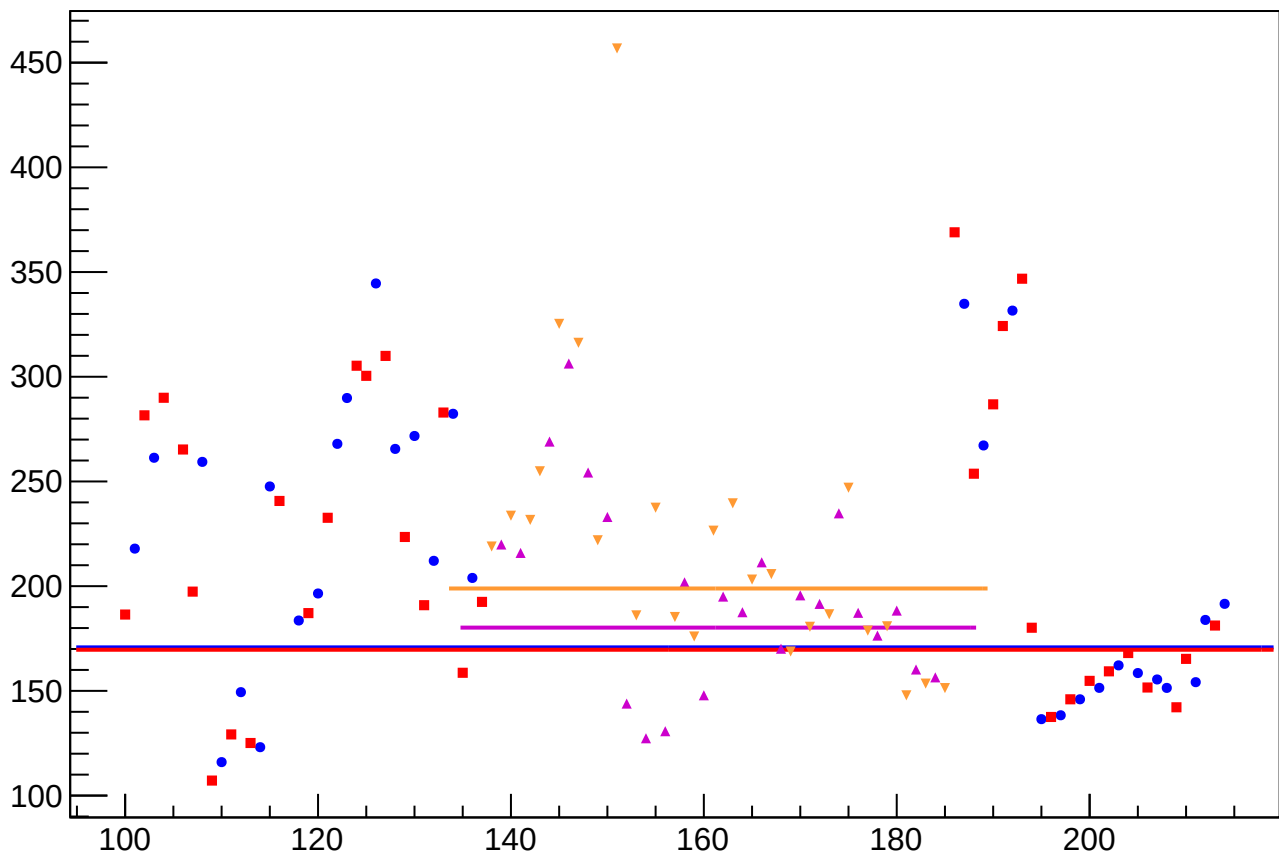
Left In: -35.046 ± 45.063 χ^2/NDF : 6.3/22

+ sign -22.325 ± 32.275 χ^2/NDF : 25.7/55

All: -3.545 ± 22.434 χ^2/NDF : 47.3/112

- sign 14.009 ± 31.205 χ^2/NDF : 20.9/56

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.769 $\pm$ 0.031 χ^2 /NDF: 2160635.4/30

Left Out: 198.891 $\pm$ 0.034 χ^2 /NDF:1762454.6/24

Right Out: 169.641 $\pm$ 0.031 χ^2 /NDF: 2836948.8/33

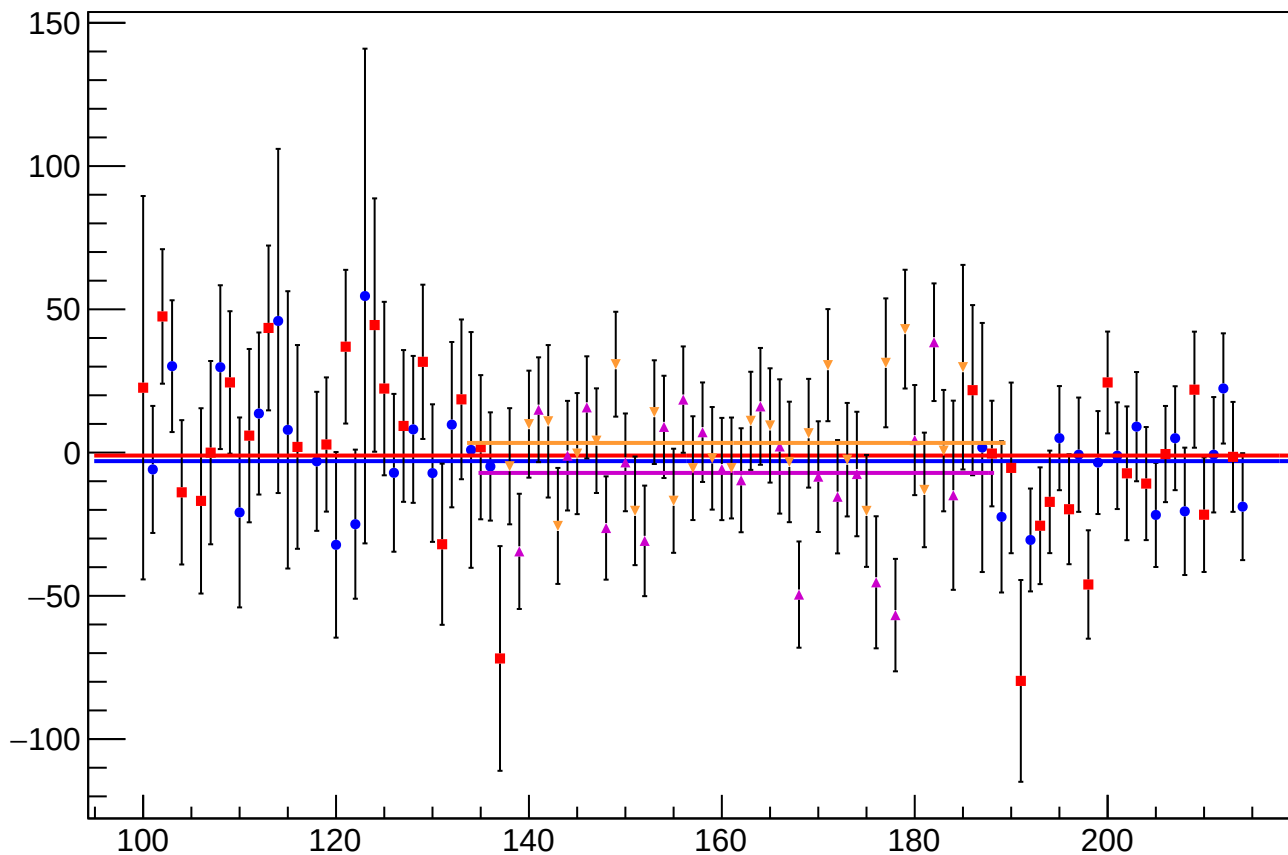
Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

+ sign 183.480 $\pm$ 0.023 χ^2 /NDF: 4299186.7/55

All: 178.946 $\pm$ 0.016 χ^2 /NDF: 8858752.9/112

- sign 174.707 $\pm$ 0.022 χ^2 /NDF: 4483191.0/56

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.984 ± 4.192 χ^2/NDF : 15.1/30

Left Out: 3.372 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -1.035 ± 4.135 χ^2/NDF : 37.9/33

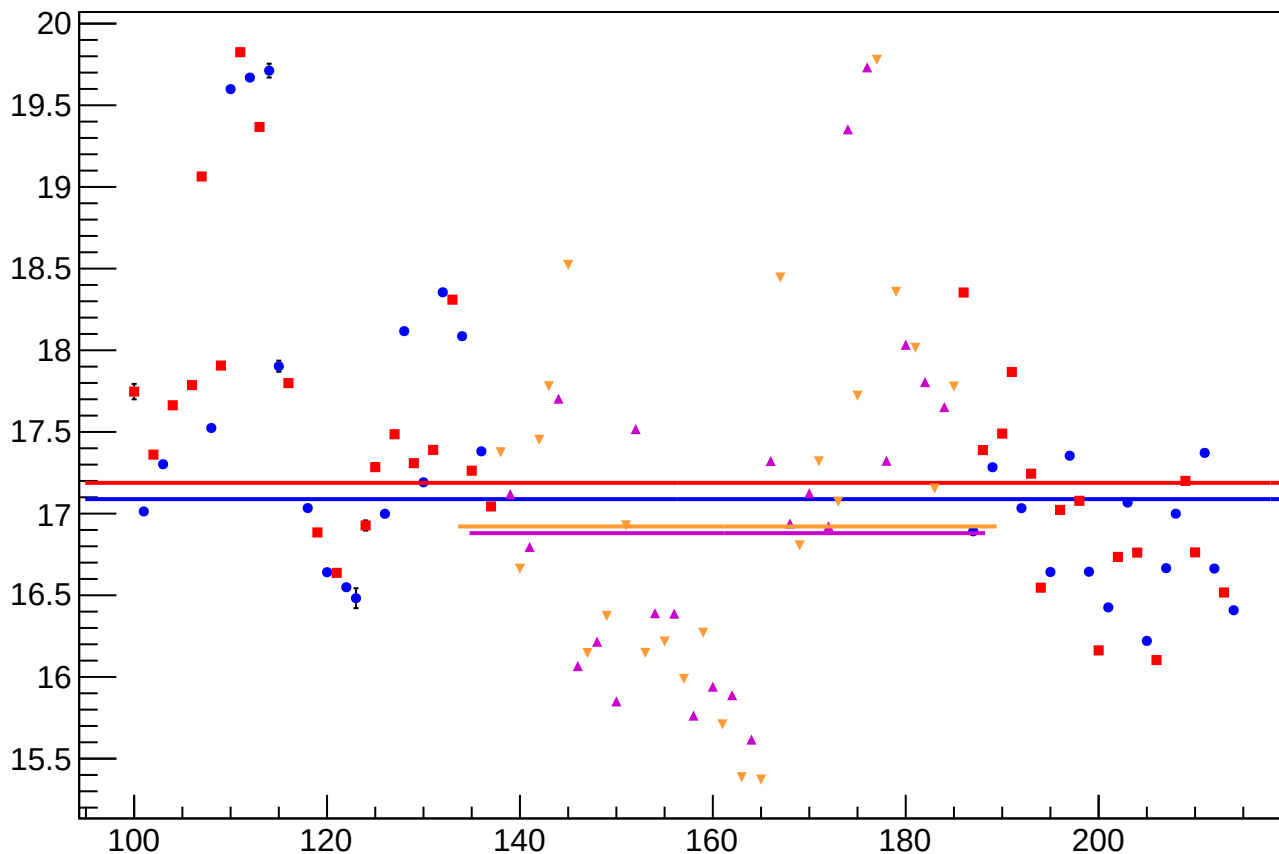
Left In: -7.099 ± 4.047 χ^2/NDF : 32.5/22

+ sign 0.385 ± 2.873 χ^2/NDF : 35.1/55

All: -1.859 ± 2.039 χ^2/NDF : 107.9/112

- sign -4.132 ± 2.892 χ^2/NDF : 71.5/56

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.089 $\pm$ 0.003 χ^2 /NDF: 58496.1/30

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138990.4/24

Right Out: 17.188 $\pm$ 0.003 χ^2 /NDF: 69525.3/33

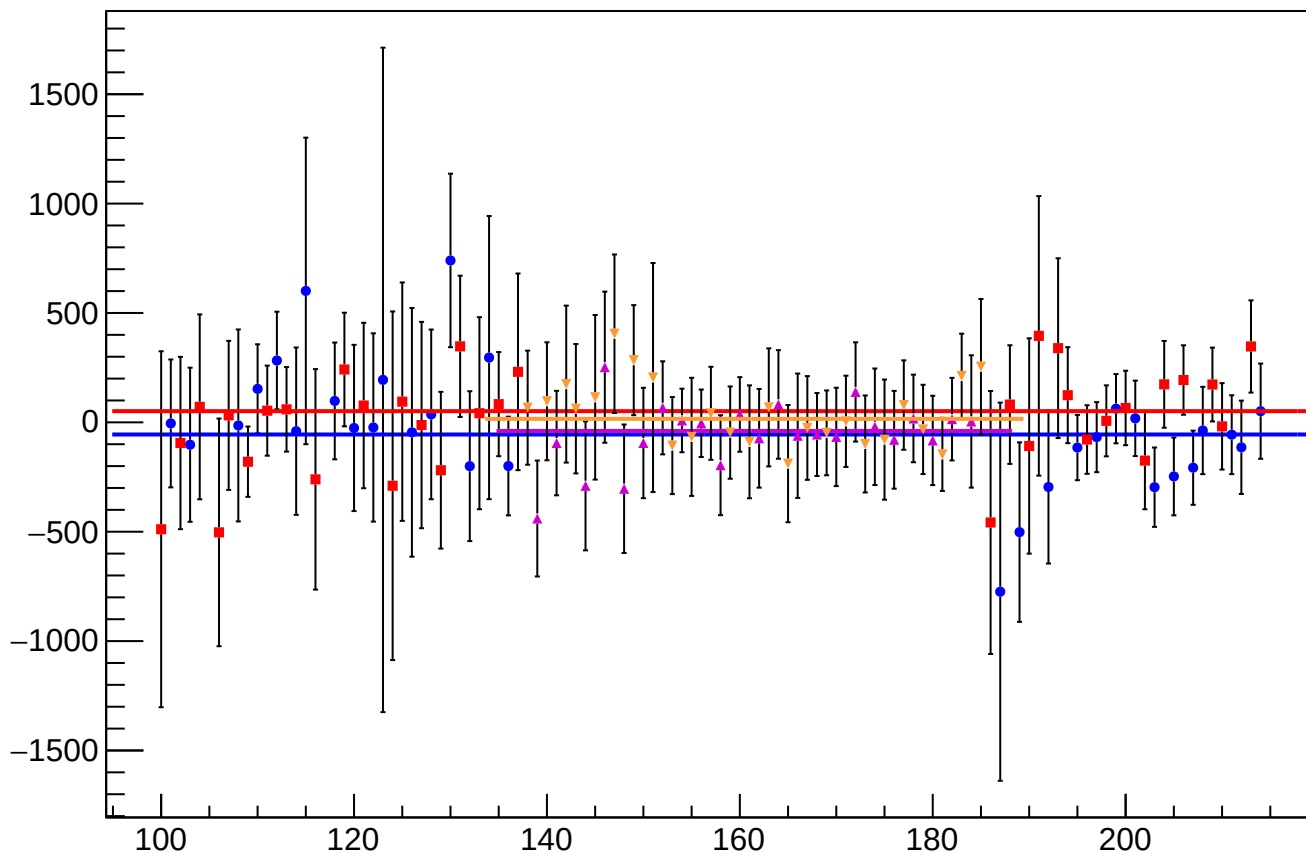
Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

+ sign 17.000 $\pm$ 0.002 χ^2 /NDF: 199174.7/55

All: 17.015 $\pm$ 0.001 χ^2 /NDF: 396217.0/112

- sign 17.031 $\pm$ 0.002 χ^2 /NDF: 196926.4/56

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -55.515 ± 43.844 $\chi^2/\text{NDF}: 16.9/30$

Left Out: 15.970 ± 48.503 $\chi^2/\text{NDF}: 7.4/24$

Right Out: 51.197 ± 43.572 $\chi^2/\text{NDF}: 13.8/33$

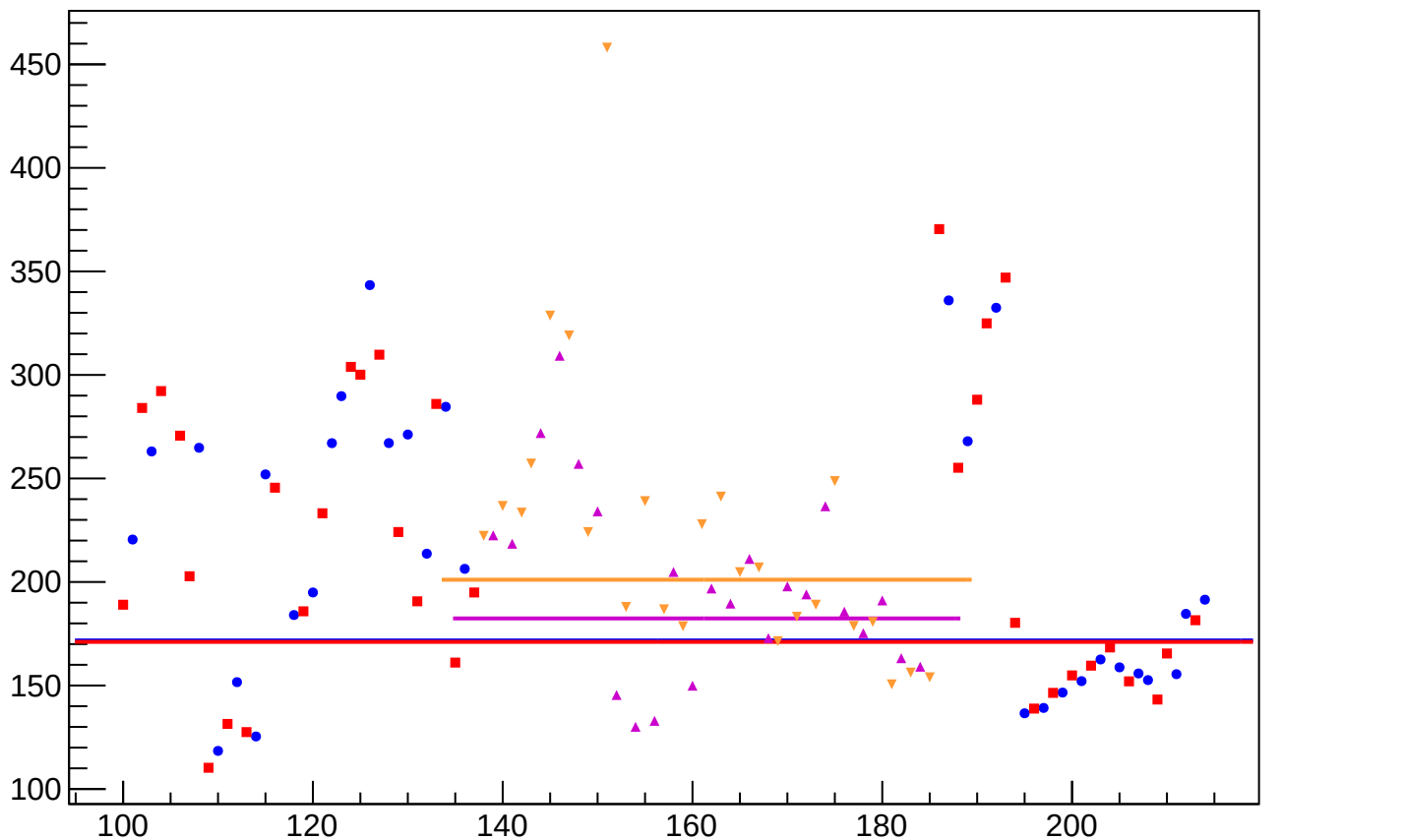
Left In: -39.377 ± 45.571 $\chi^2/\text{NDF}: 6.9/22$

+ sign -23.370 ± 32.525 $\chi^2/\text{NDF}: 25.5/55$

All: -7.210 ± 22.625 $\chi^2/\text{NDF}: 48.7/112$

- sign 7.940 ± 31.493 $\chi^2/\text{NDF}: 22.8/56$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 171.771 $\pm$ 0.031 χ^2 /NDF: 2143669.6/30

Left Out: 201.091 $\pm$ 0.034 χ^2 /NDF:1731069.1/24

Right Out: 171.085 $\pm$ 0.031 χ^2 /NDF: 2779945.8/33

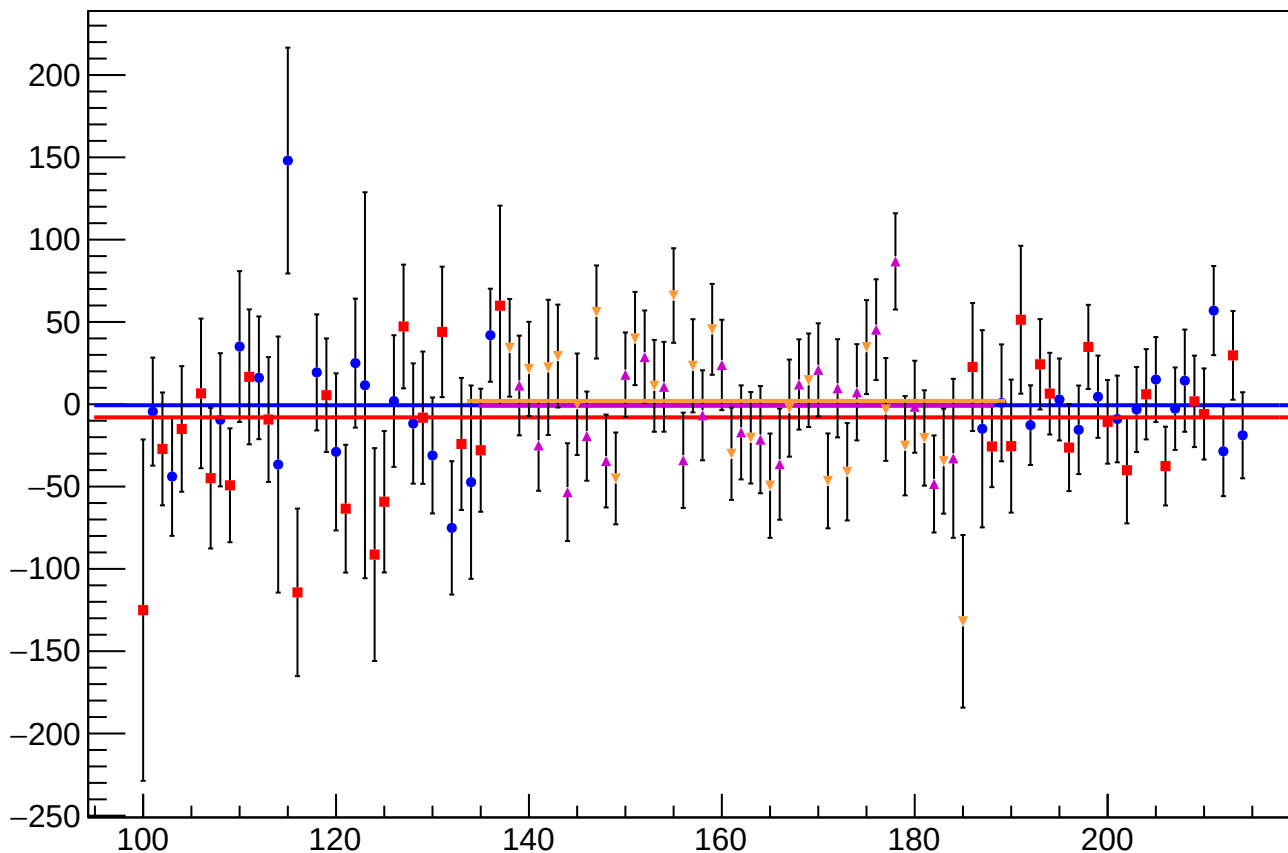
Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

+ sign 184.955 $\pm$ 0.023 χ^2 /NDF: 4276950.3/55

All: 180.585 $\pm$ 0.016 χ^2 /NDF: 8740140.0/112

- sign 176.487 $\pm$ 0.022 χ^2 /NDF: 4393219.6/56

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.596 ± 5.891 χ^2/NDF : 22.9/30

Left Out: 2.054 ± 5.970 χ^2/NDF : 39.4/24

Right Out: -7.947 ± 5.781 χ^2/NDF : 32.4/33

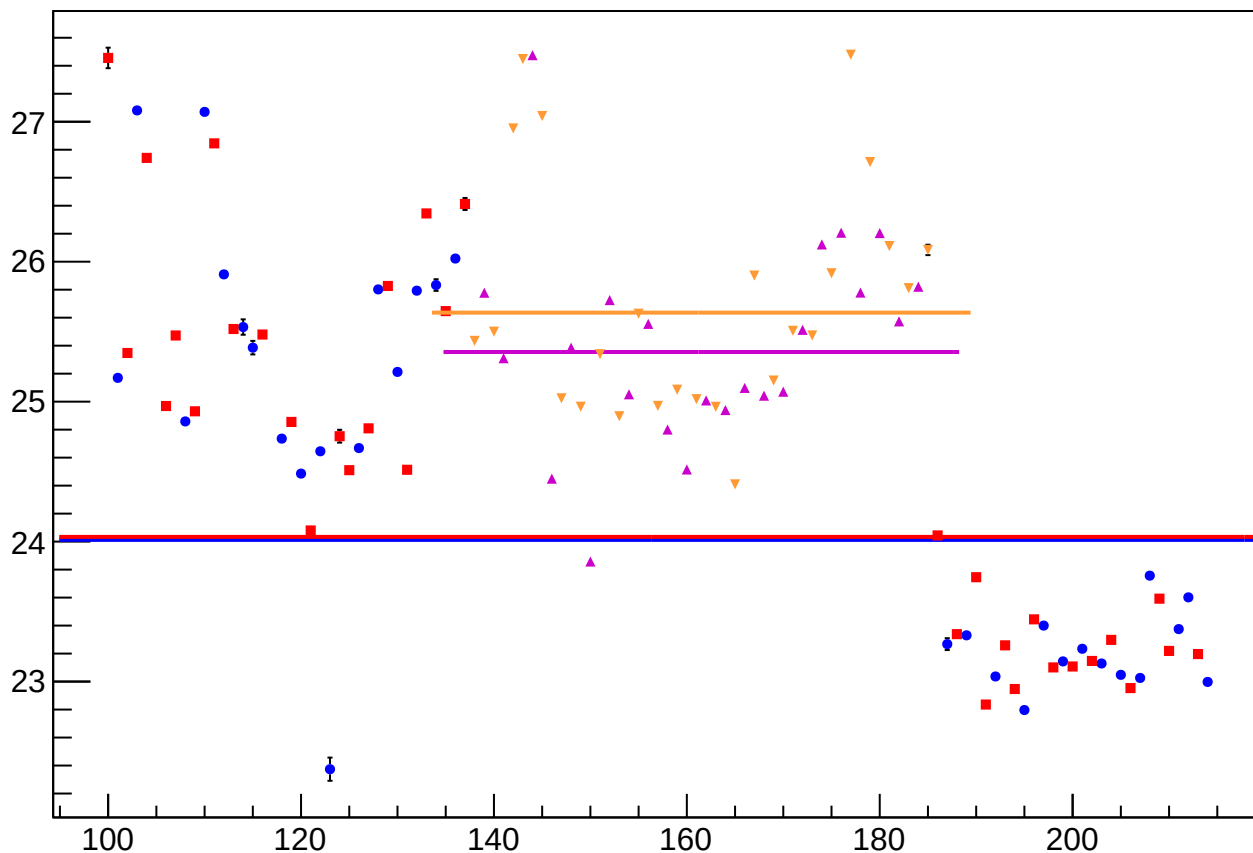
Left In: -0.900 ± 6.069 χ^2/NDF : 27.1/22

+ sign 0.711 ± 4.193 χ^2/NDF : 62.4/55

All: -1.947 ± 2.963 χ^2/NDF : 123.4/112

- sign -4.595 ± 4.186 χ^2/NDF : 60.2/56

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.012 $\pm$ 0.004 χ^2 /NDF: 86256.9/30

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF:35130.7/24

Right Out: 24.034 $\pm$ 0.004 χ^2 /NDF: 79985.9/33

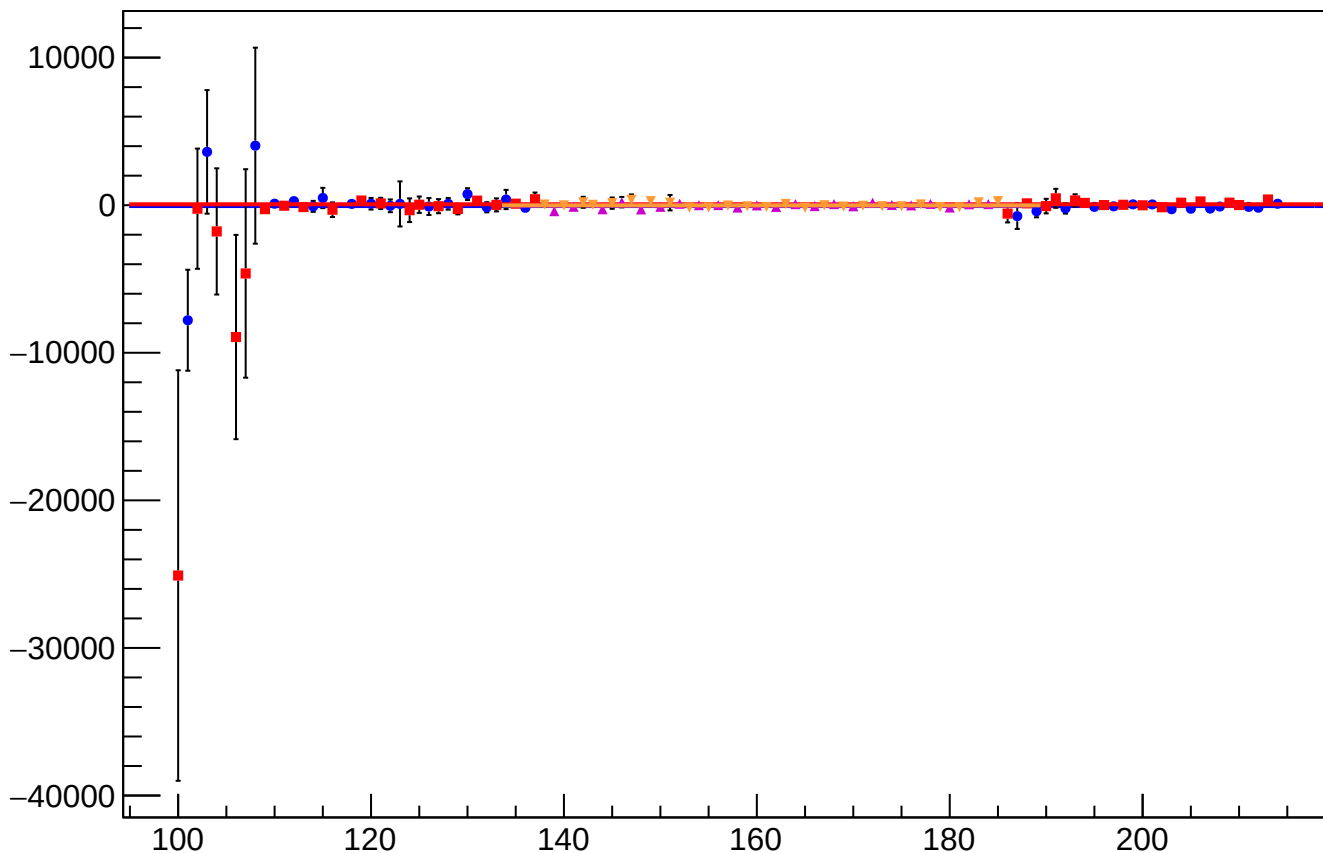
Left In: 25.355 $\pm$ 0.004 χ^2 /NDF:29766.2/22

+ sign 24.813 $\pm$ 0.003 χ^2 /NDF: 196348.0/55

All: 24.738 $\pm$ 0.002 χ^2 /NDF: 357076.9/112

- sign 24.662 $\pm$ 0.003 χ^2 /NDF: 159425.0/56

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -58.215 $\pm$ 45.783 χ^2 /NDF: 22.0/30

Left Out: -12.820 $\pm$ 48.216 χ^2 /NDF: 7.9/24

Right Out: 62.023 $\pm$ 46.209 χ^2 /NDF: 20.7/33

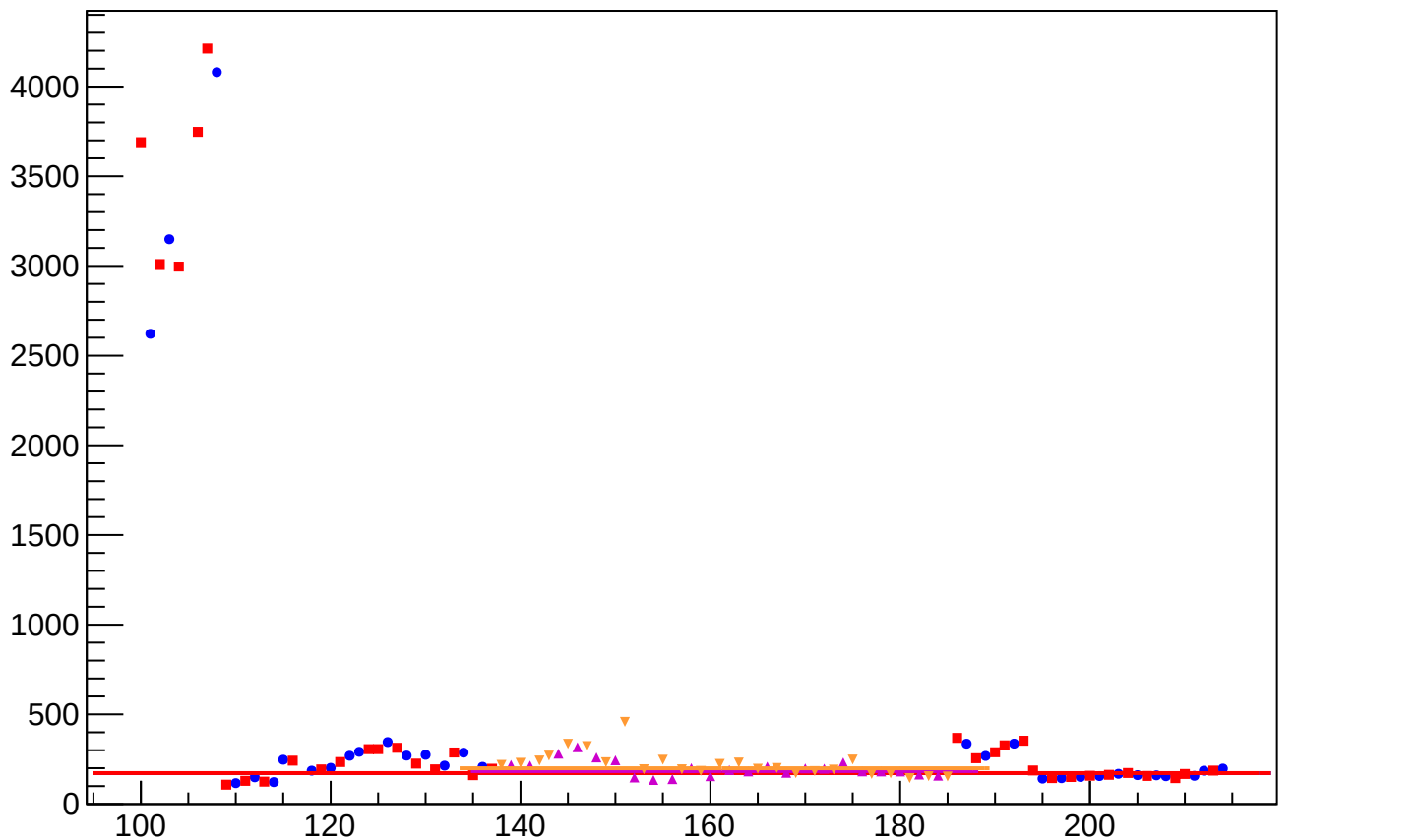
Left In: -26.836 $\pm$ 45.876 χ^2 /NDF: 7.5/22

+ sign -36.692 $\pm$ 33.200 χ^2 /NDF: 30.3/55

All: -9.181 $\pm$ 23.245 χ^2 /NDF: 61.6/112

- sign 17.272 $\pm$ 32.556 χ^2 /NDF: 30.0/56

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.462 $\pm$ 0.032 χ^2 /NDF: 4547688.9/30

Left Out: 199.536 $\pm$ 0.034 χ^2 /NDF: 1880548.8/24

Right Out: 172.728 $\pm$ 0.033 χ^2 /NDF: 5402480.1/33

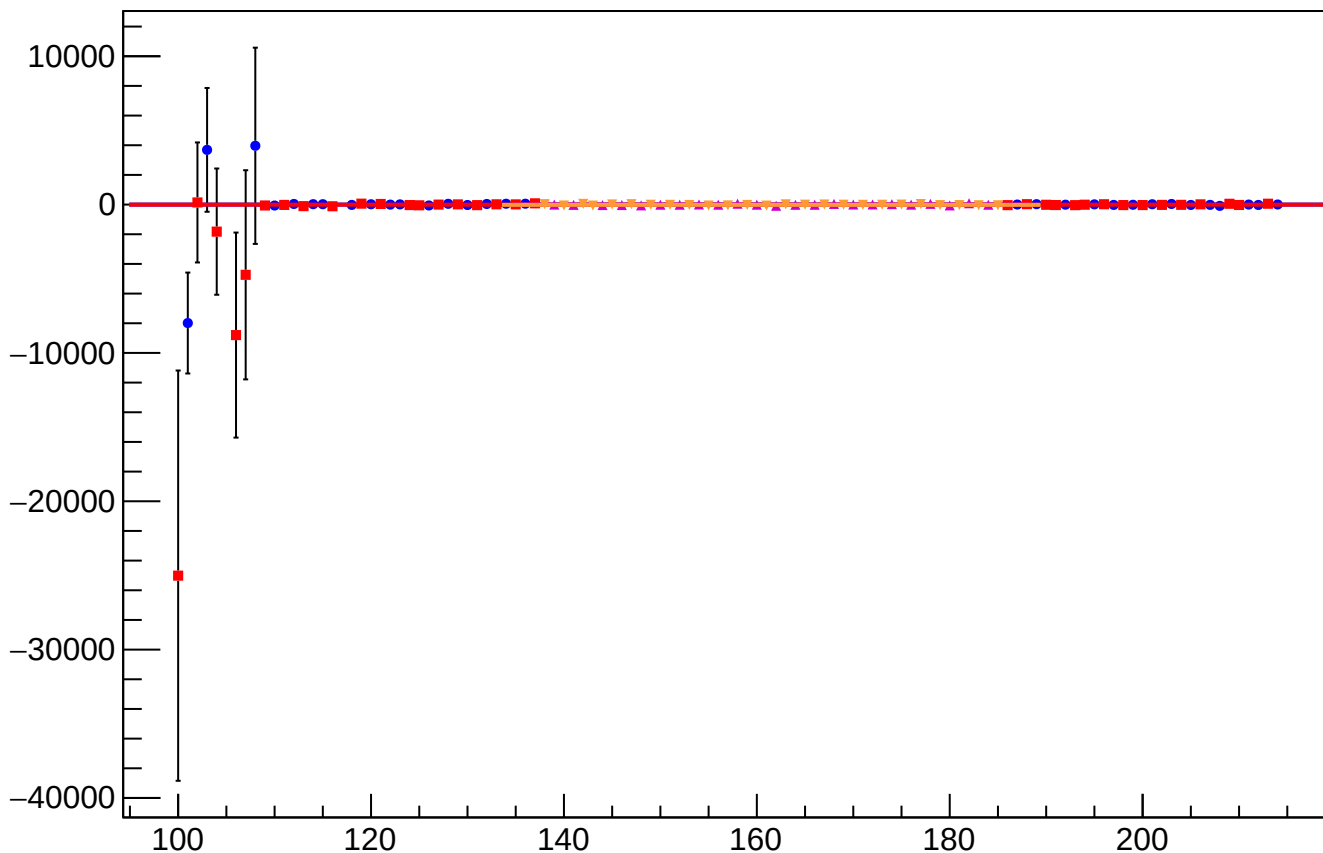
Left In: 184.031 $\pm$ 0.032 χ^2 /NDF: 1423454.3/22

+ sign 185.298 $\pm$ 0.023 χ^2 /NDF: 6759833.9/55

All: 181.792 $\pm$ 0.016 χ^2 /NDF: 13689794.5/136

- sign 178.421 $\pm$ 0.023 χ^2 /NDF: 6886204.3/56

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.575 ± 7.065 χ^2/NDF : 31.2/30

Left Out: -17.580 ± 6.694 χ^2/NDF : 22.3/24

Right Out: -5.442 ± 7.034 χ^2/NDF : 38.5/33

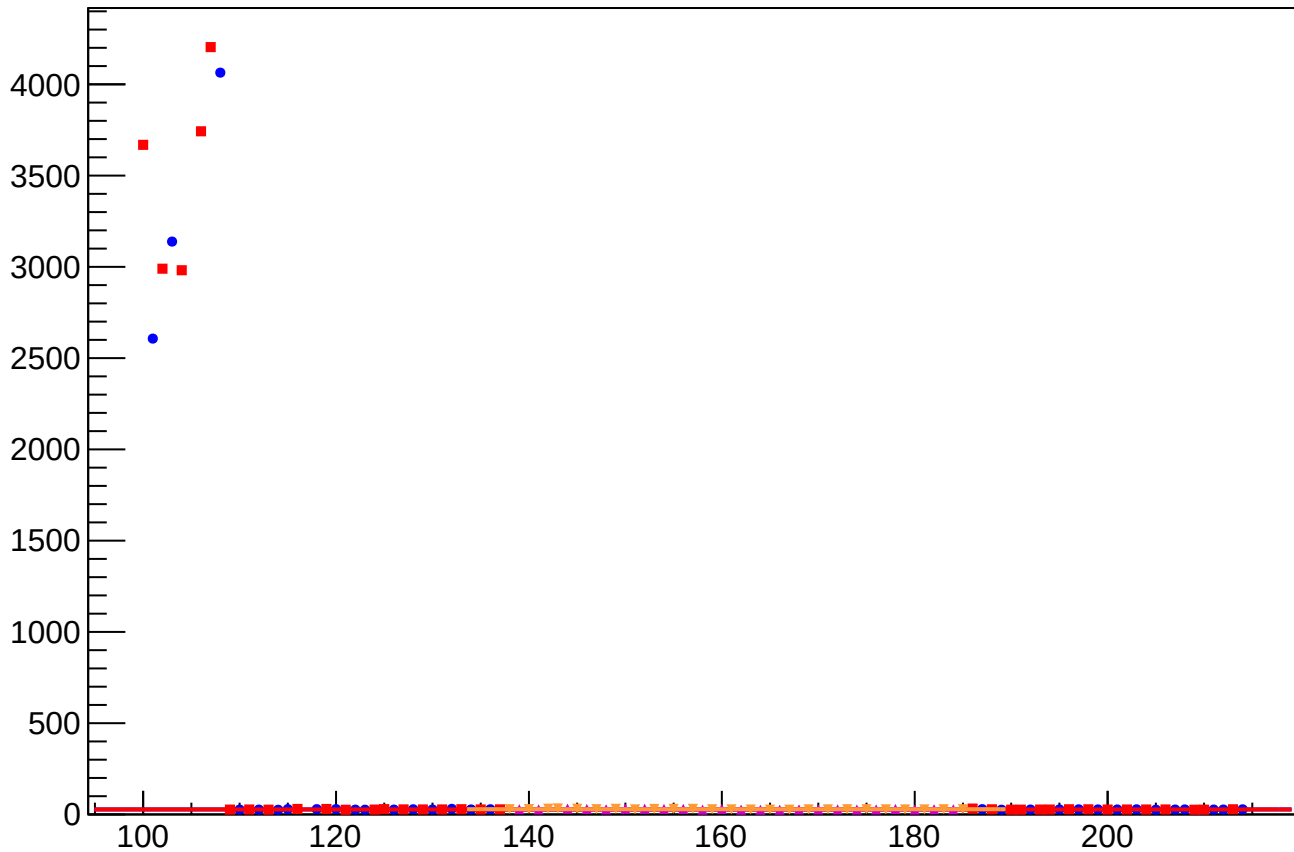
Left In: -1.038 ± 6.880 χ^2/NDF : 32.4/22

+ sign -9.536 ± 4.859 χ^2/NDF : 56.6/55

All: -6.402 ± 3.457 χ^2/NDF : 128.6/112

- sign -3.191 ± 4.918 χ^2/NDF : 71.1/56

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.478 $\pm$ 0.005 χ^2 /NDF: 3043576.0/30

Left Out: 28.691 $\pm$ 0.005 χ^2 /NDF: 110483.8/24

Right Out: 27.471 $\pm$ 0.005 χ^2 /NDF: 3513839.6/33

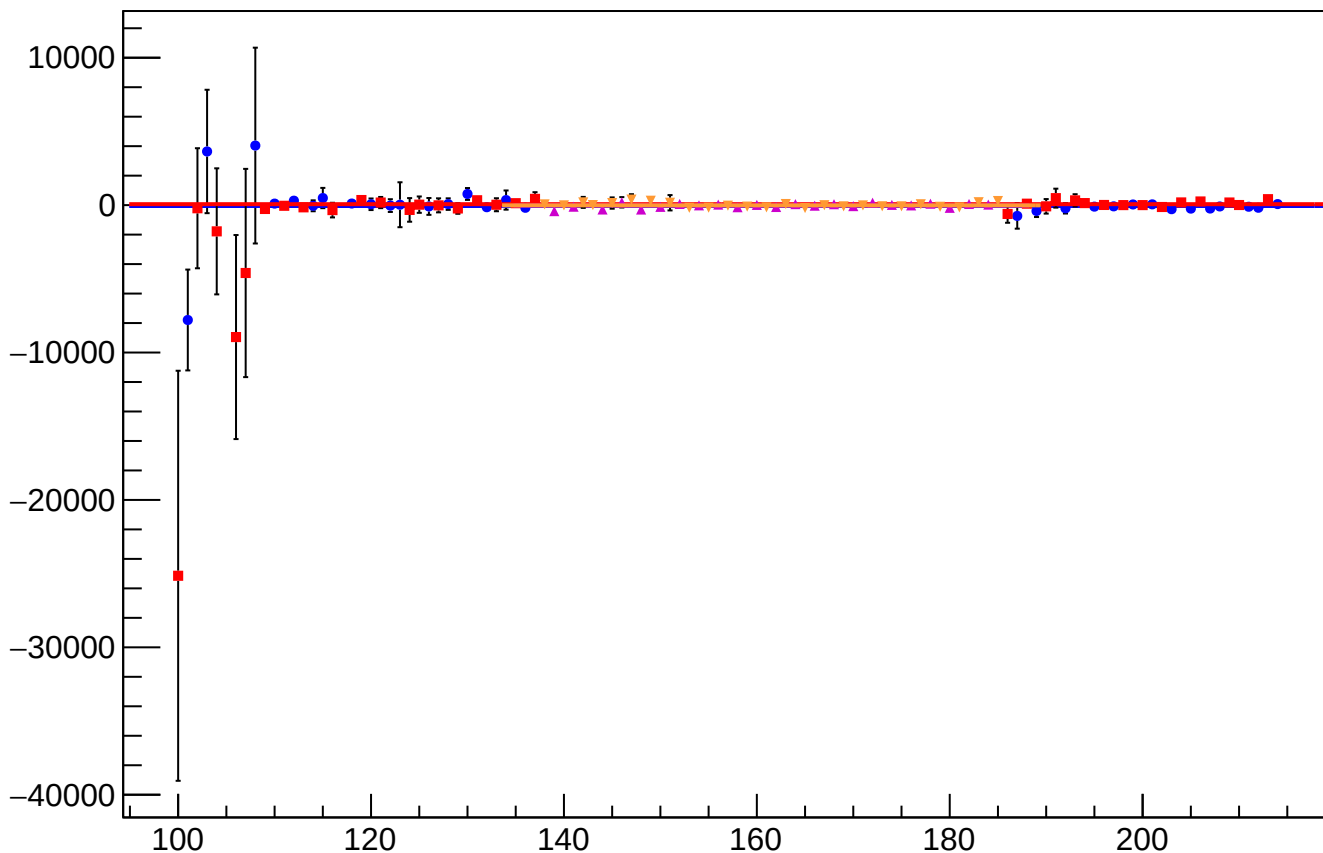
Left In: 28.673 $\pm$ 0.005 χ^2 /NDF: 124751.4/22

+ sign 28.117 $\pm$ 0.003 χ^2 /NDF: 3185091.3/55

All: 28.101 $\pm$ 0.002 χ^2 /NDF: 6853550.8/112

- sign 28.085 $\pm$ 0.003 χ^2 /NDF: 3668416.3/56

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -57.598 ± 45.643 χ^2/NDF : 22.1/30

Left Out: -15.483 ± 48.109 χ^2/NDF : 8.7/24

Right Out: 64.557 ± 46.075 χ^2/NDF : 21.6/33

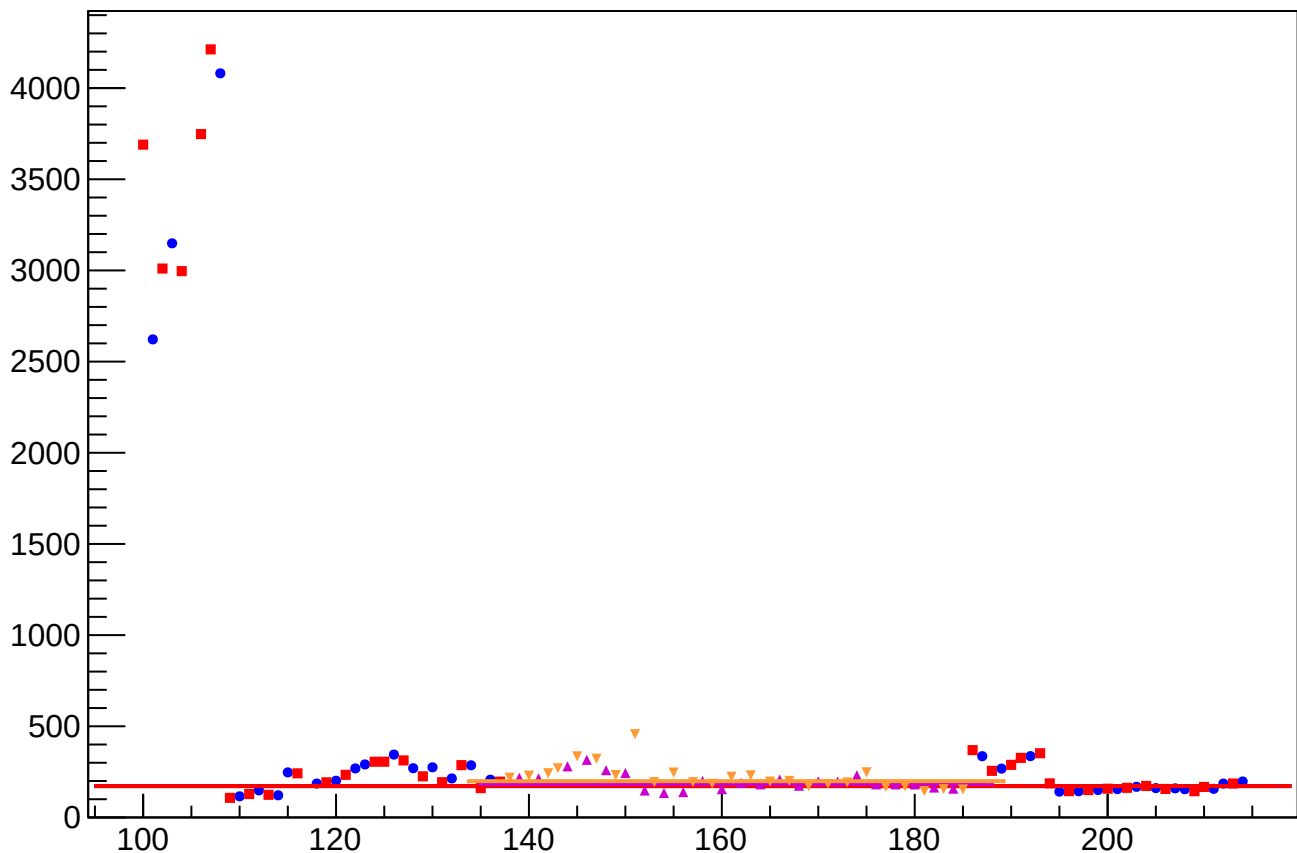
Left In: -27.009 ± 45.785 χ^2/NDF : 7.8/22

+ sign -37.647 ± 33.112 χ^2/NDF : 31.2/55

All: -9.038 ± 23.186 χ^2/NDF : 64.0/112

- sign 18.484 ± 32.477 χ^2/NDF : 31.4/56

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.896+/-0.032 χ^2/NDF : 4561167.2/30

Left Out: 199.094+/-0.034 χ^2/NDF :1880343.4/24

Right Out: 172.176+/-0.033 χ^2/NDF : 5420304.6/33

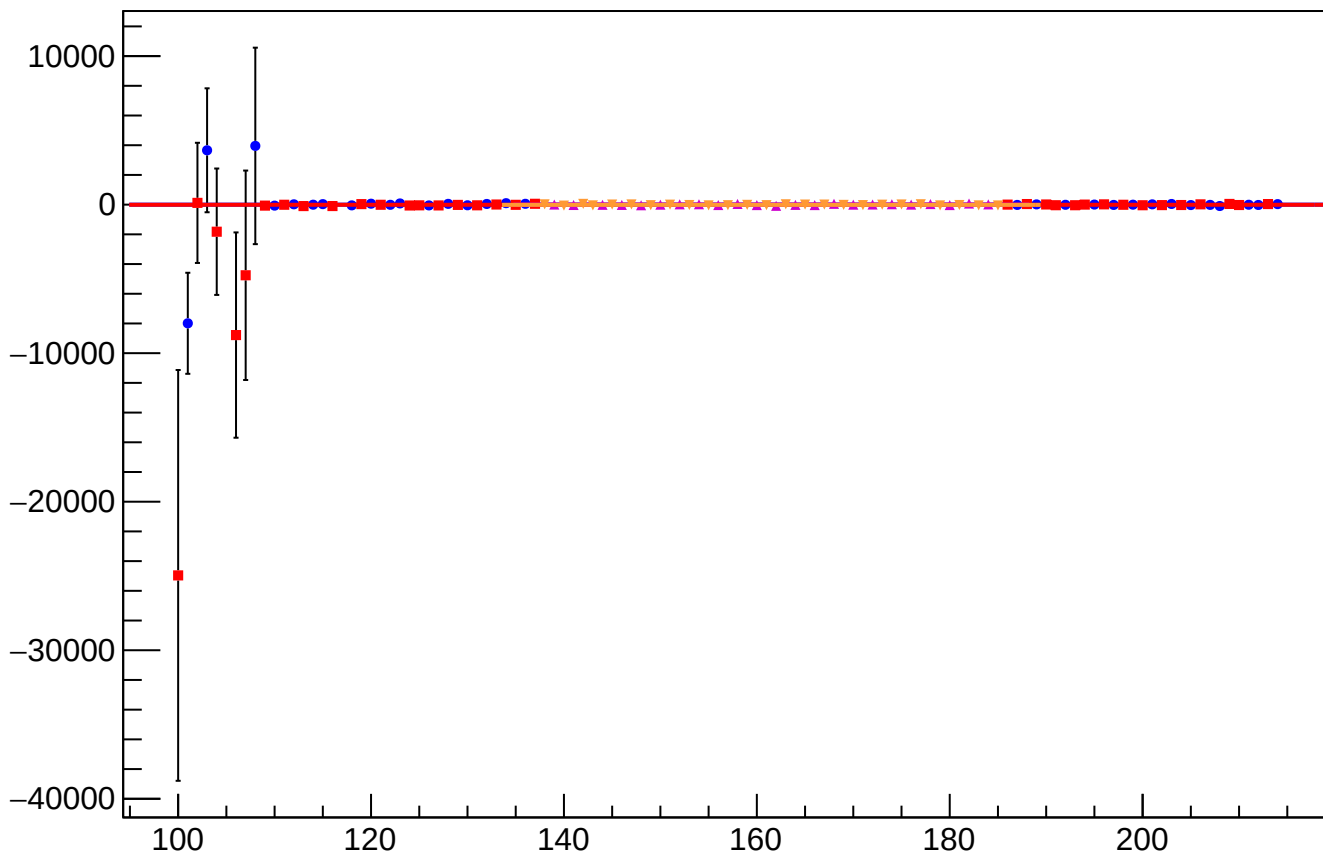
Left In: 183.667+/-0.032 χ^2/NDF :1422895.7/22

+ sign 184.780+/-0.023 χ^2/NDF : 6777916.3/55

All: 181.303+/-0.016 χ^2/NDF : 13726978.5/11

- sign 177.958+/-0.023 χ^2/NDF : 6905791.8/56

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.343 ± 7.029 χ^2/NDF : 36.2/30

Left Out: -15.006 ± 6.723 χ^2/NDF : 17.5/24

Right Out: -9.061 ± 7.011 χ^2/NDF : 32.9/33

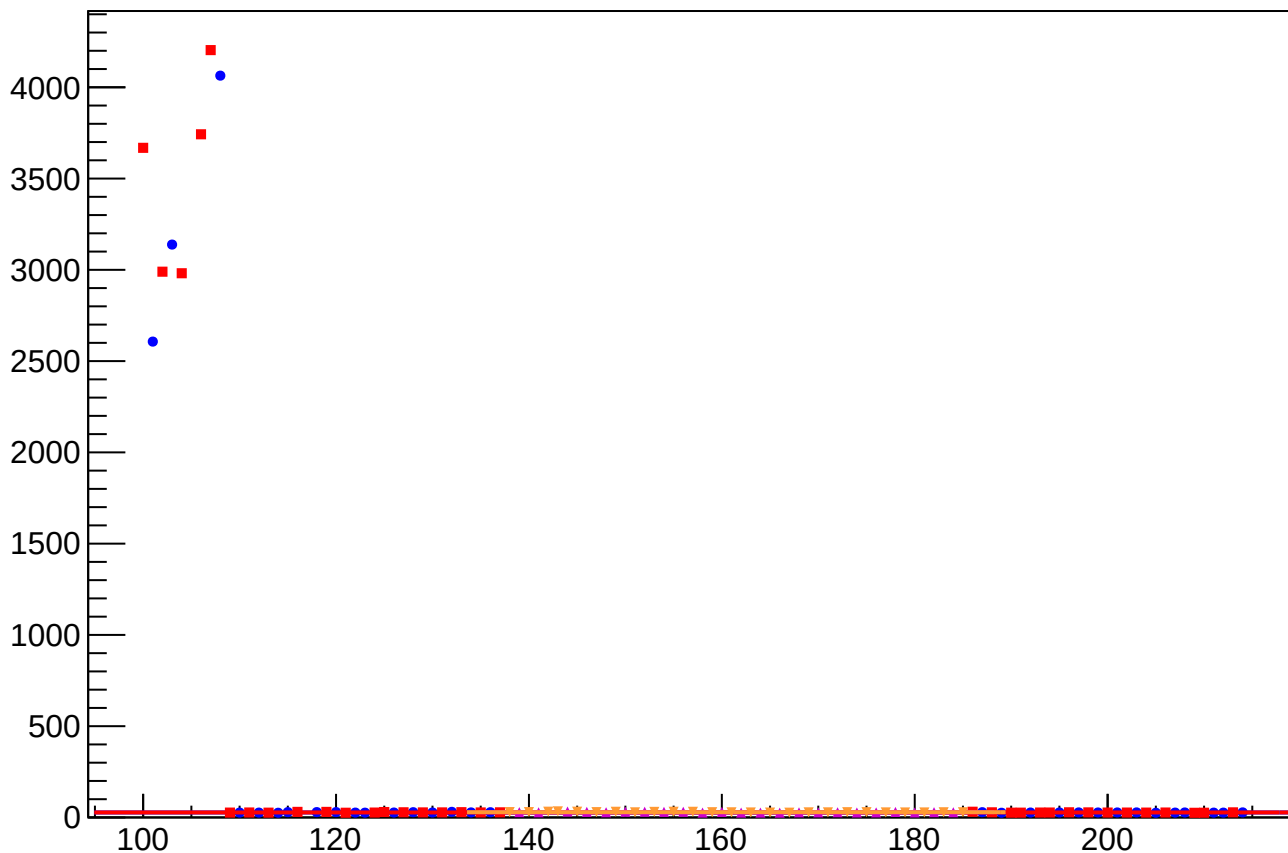
Left In: 0.702 ± 6.909 χ^2/NDF : 26.4/22

+ sign -8.478 ± 4.859 χ^2/NDF : 55.7/55

All: -6.321 ± 3.457 χ^2/NDF : 116.3/112

- sign -4.108 ± 4.921 χ^2/NDF : 60.2/56

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.333 $\pm$ 0.005 χ^2 /NDF: 3051144.2/30

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121973.8/24

Right Out: 27.381 $\pm$ 0.005 χ^2 /NDF: 3517454.5/33

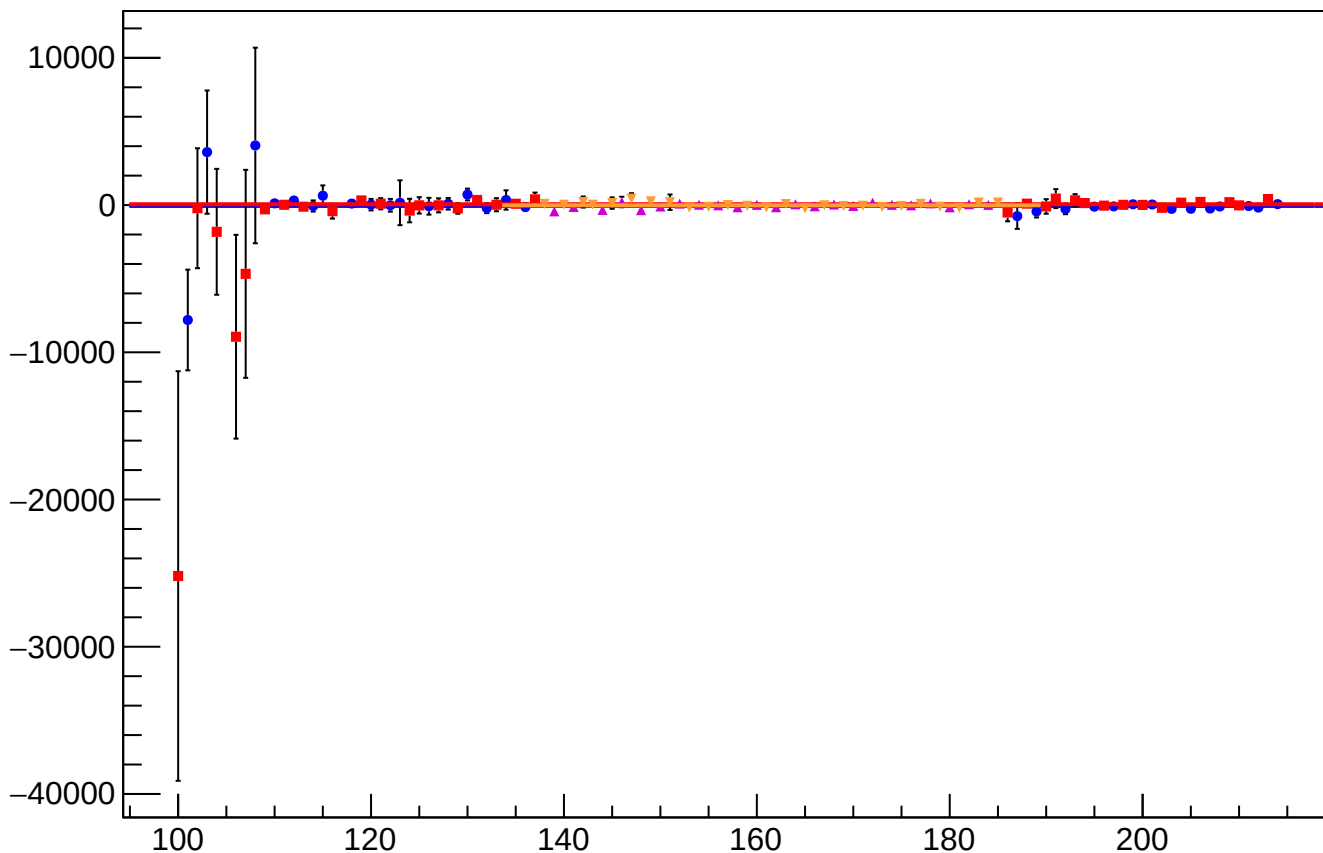
Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

+ sign 28.106 $\pm$ 0.003 χ^2 /NDF: 3219395.9/55

All: 28.102 $\pm$ 0.002 χ^2 /NDF: 6907353.3/112

- sign 28.097 $\pm$ 0.003 χ^2 /NDF: 3687954.3/56

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -56.714 ± 45.951 χ^2/NDF : 22.2/30

Left Out: -15.548 ± 48.688 χ^2/NDF : 8.0/24

Right Out: 57.199 ± 46.406 χ^2/NDF : 21.1/33

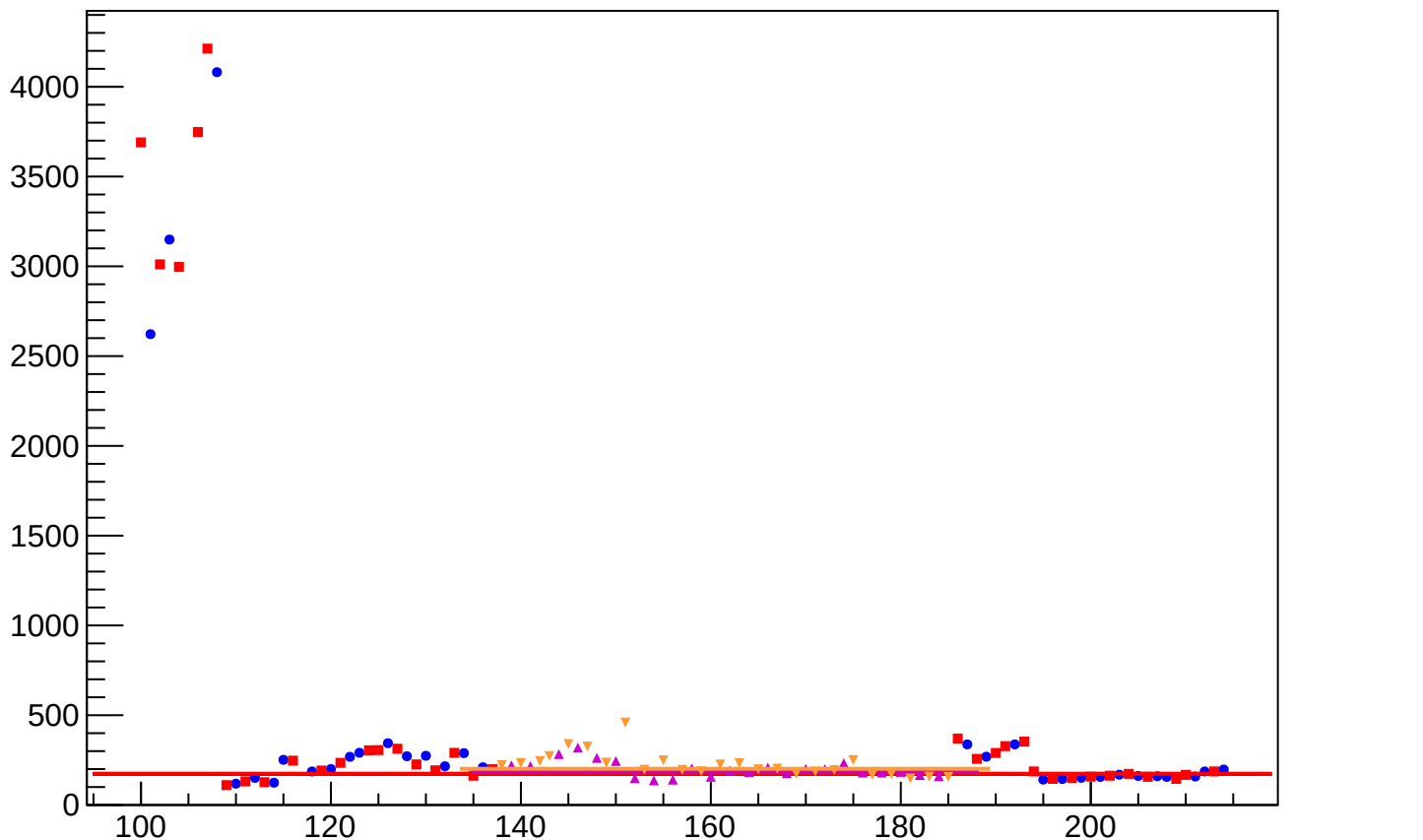
Left In: -31.170 ± 46.359 χ^2/NDF : 8.2/22

+ sign -37.320 ± 33.418 χ^2/NDF : 30.6/55

All: -11.704 ± 23.408 χ^2/NDF : 62.8/112

- sign 12.970 ± 32.797 χ^2/NDF : 31.1/56

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 173.151 $\pm$ 0.032 χ^2 /NDF: 4527036.5/30

Left Out: 201.600 $\pm$ 0.034 χ^2 /NDF: 1857453.2/24

Right Out: 173.615 $\pm$ 0.033 χ^2 /NDF: 5360565.2/33

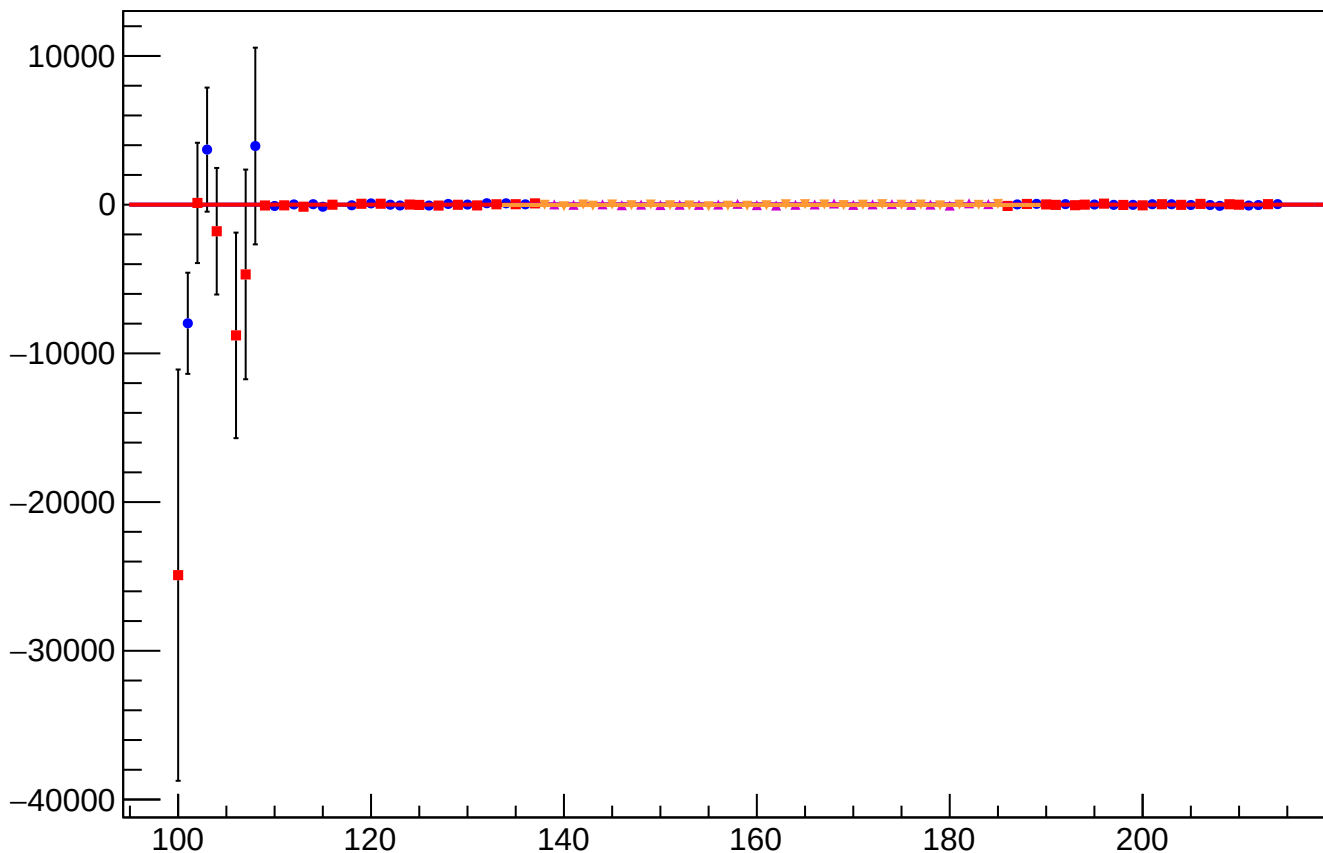
Left In: 186.107 $\pm$ 0.033 χ^2 /NDF: 1391327.2/22

+ sign 186.554 $\pm$ 0.024 χ^2 /NDF: 6745636.9/55

All: 183.148 $\pm$ 0.017 χ^2 /NDF: 13610841.4/11

- sign 179.867 $\pm$ 0.023 χ^2 /NDF: 6824424.2/56

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 0.678 ± 8.582 χ^2/NDF : 31.9/30

Left Out: -23.360 ± 8.064 χ^2/NDF : 25.8/24

Right Out: 2.528 ± 8.557 χ^2/NDF : 35.8/33

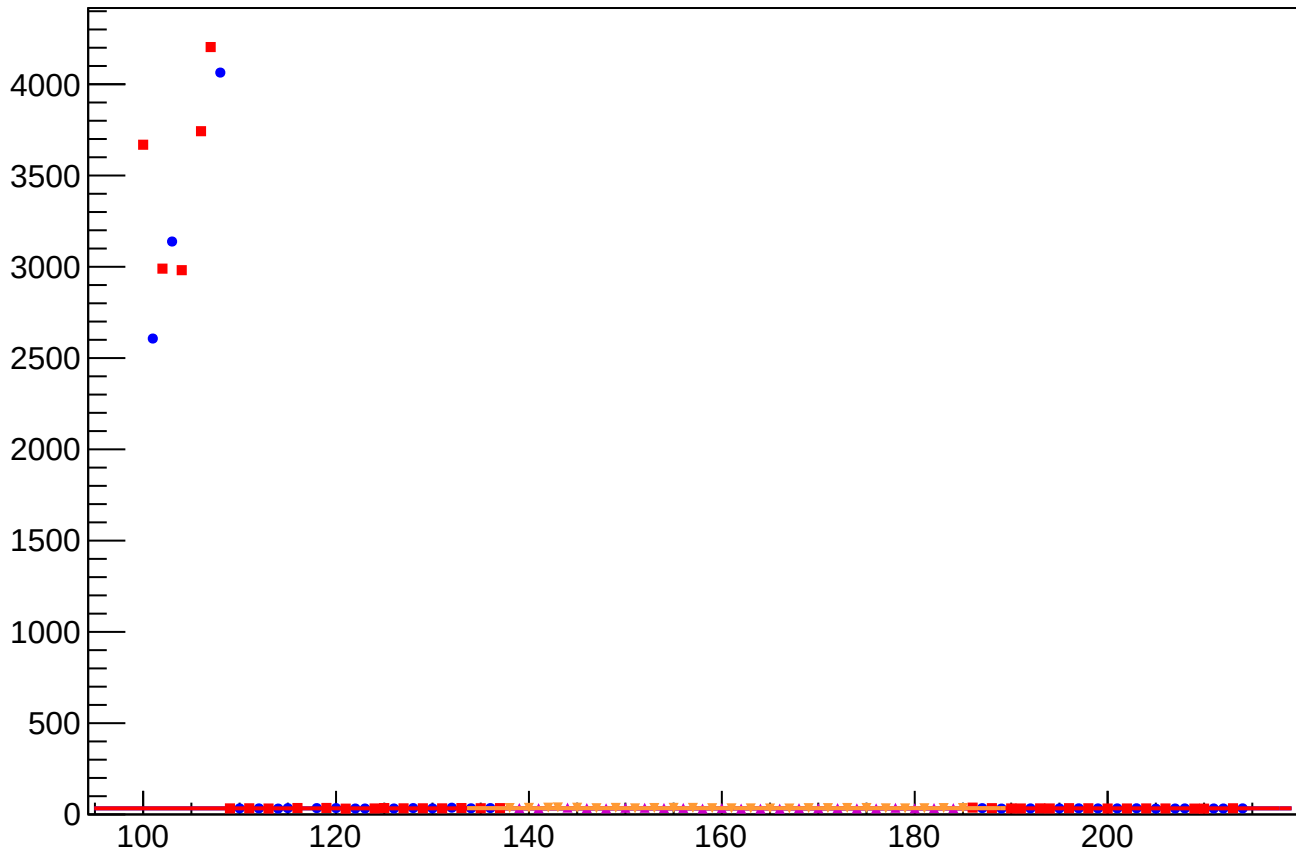
Left In: 6.001 ± 8.309 χ^2/NDF : 21.1/22

+ sign -12.087 ± 5.877 χ^2/NDF : 61.9/55

All: -4.002 ± 4.185 χ^2/NDF : 122.8/112

- sign 4.316 ± 5.961 χ^2/NDF : 57.0/56

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.393 $\pm$ 0.006 χ^2 /NDF: 3020527.9/30

Left Out: 34.614 $\pm$ 0.006 χ^2 /NDF: 57946.1/24

Right Out: 33.467 $\pm$ 0.006 χ^2 /NDF: 3474207.8/33

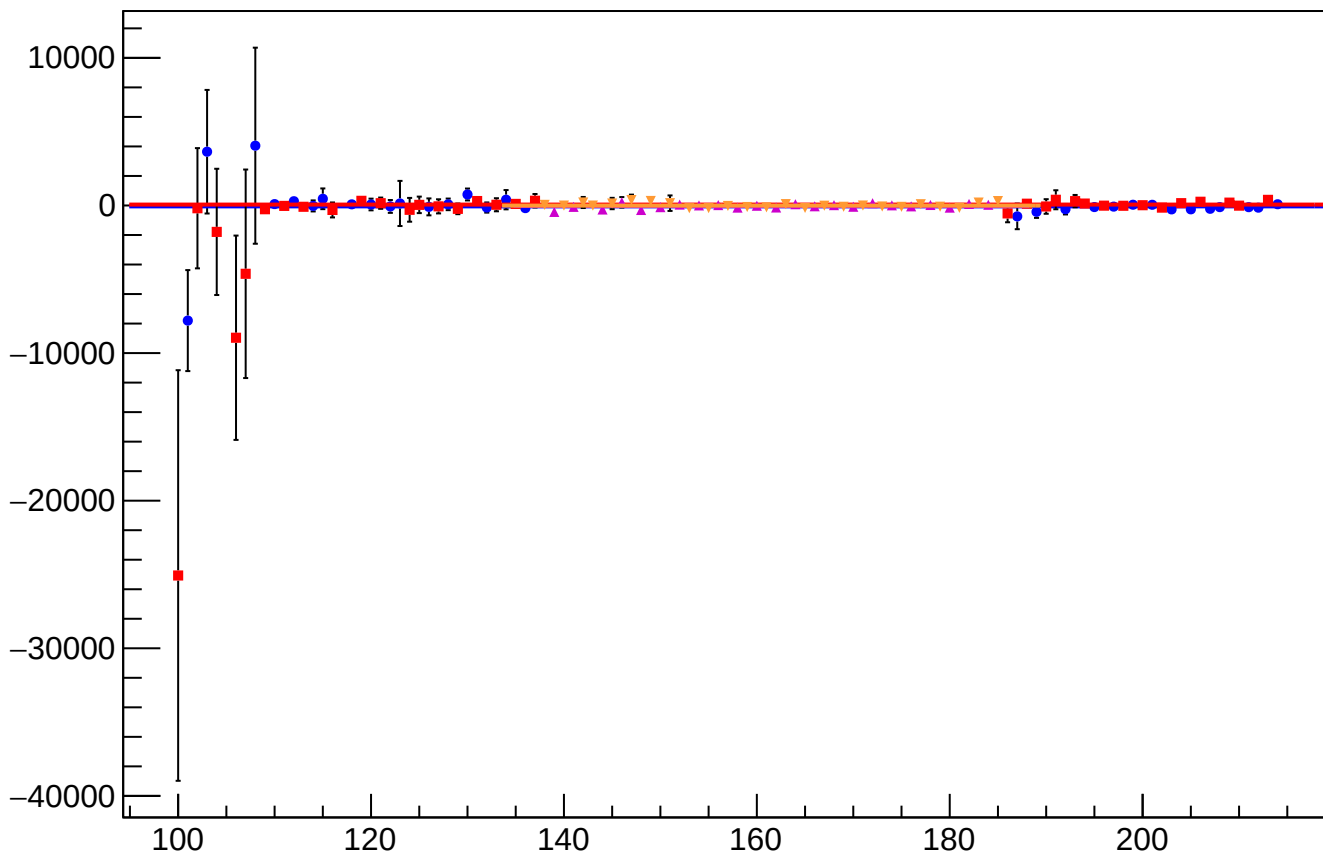
Left In: 34.685 $\pm$ 0.006 χ^2 /NDF: 60315.2/22

+ sign 34.042 $\pm$ 0.004 χ^2 /NDF: 3099987.8/55

All: 34.067 $\pm$ 0.003 χ^2 /NDF: 6655456.7/112

- sign 34.094 $\pm$ 0.004 χ^2 /NDF: 3555391.1/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -60.940 ± 45.819 χ^2/NDF : 22.0/30

Left Out: -8.916 ± 48.615 χ^2/NDF : 8.6/24

Right Out: 61.265 ± 46.237 χ^2/NDF : 19.4/33

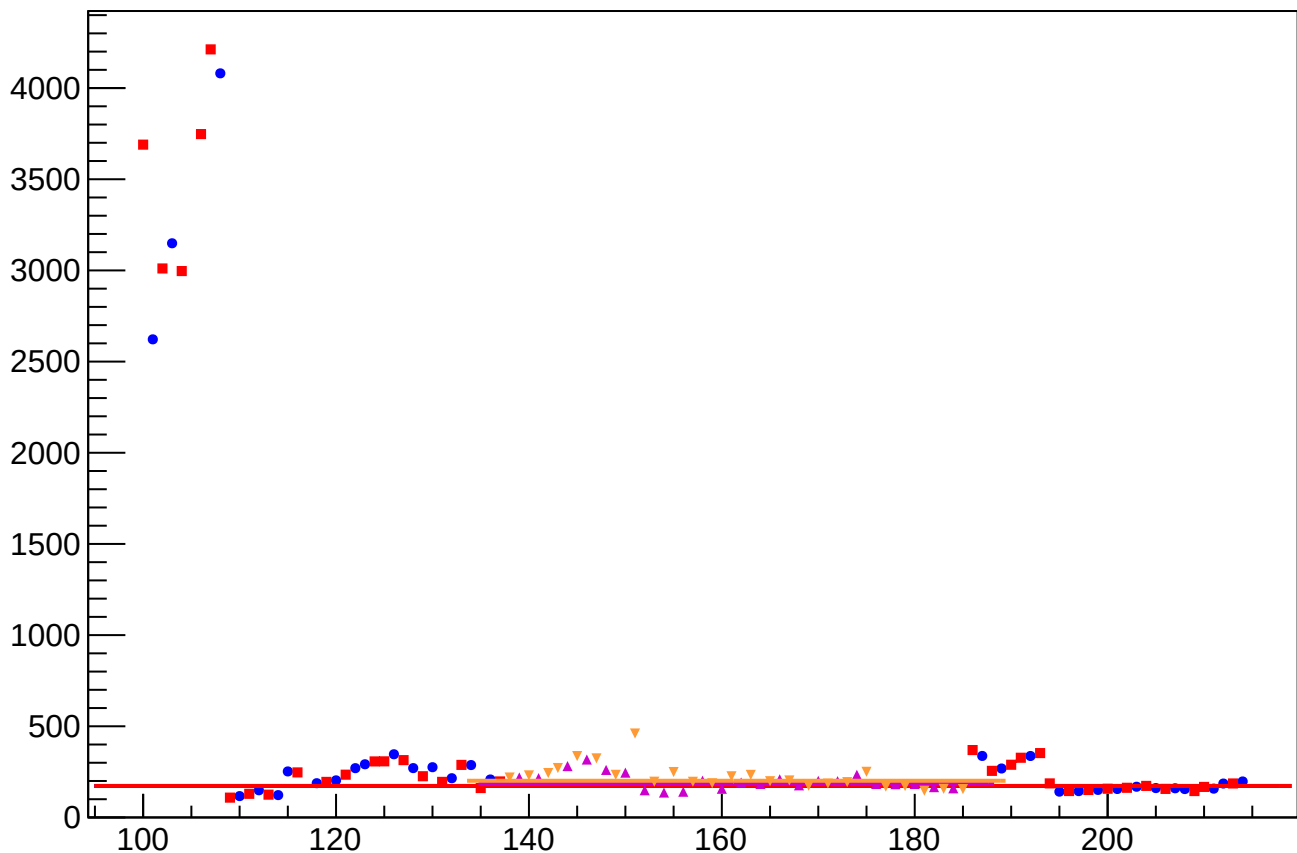
Left In: -34.127 ± 46.296 χ^2/NDF : 7.4/22

+ sign -36.467 ± 33.343 χ^2/NDF : 31.2/55

All: -10.942 ± 23.352 χ^2/NDF : 61.3/112

- sign 13.630 ± 32.715 χ^2/NDF : 29.0/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 172.574 $\pm$ 0.032 χ^2 /NDF: 4556676.9/30

Left Out: 201.296 $\pm$ 0.034 χ^2 /NDF:1851134.1/24

Right Out: 172.827 $\pm$ 0.033 χ^2 /NDF: 5408673.4/33

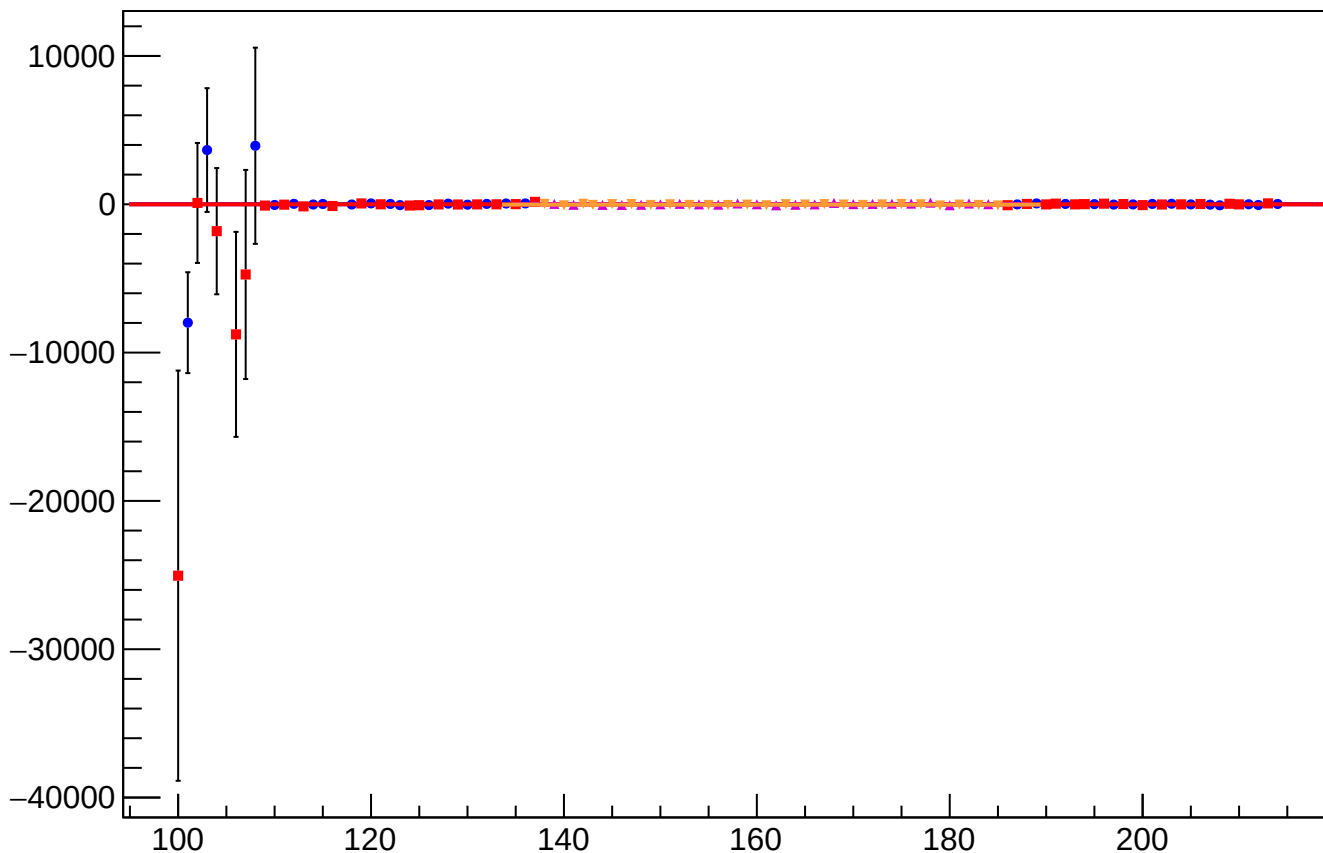
Left In: 185.854 $\pm$ 0.033 χ^2 /NDF:1381771.9/22

+ sign 186.085 $\pm$ 0.024 χ^2 /NDF: 6777535.1/55

All: 182.645 $\pm$ 0.017 χ^2 /NDF: 13689051.2/136

- sign 179.332 $\pm$ 0.023 χ^2 /NDF: 6869718.3/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.040 ± 7.766 χ^2/NDF : 25.5/30

Left Out: -22.879 ± 7.340 χ^2/NDF : 18.8/24

Right Out: -1.993 ± 7.745 χ^2/NDF : 41.9/33

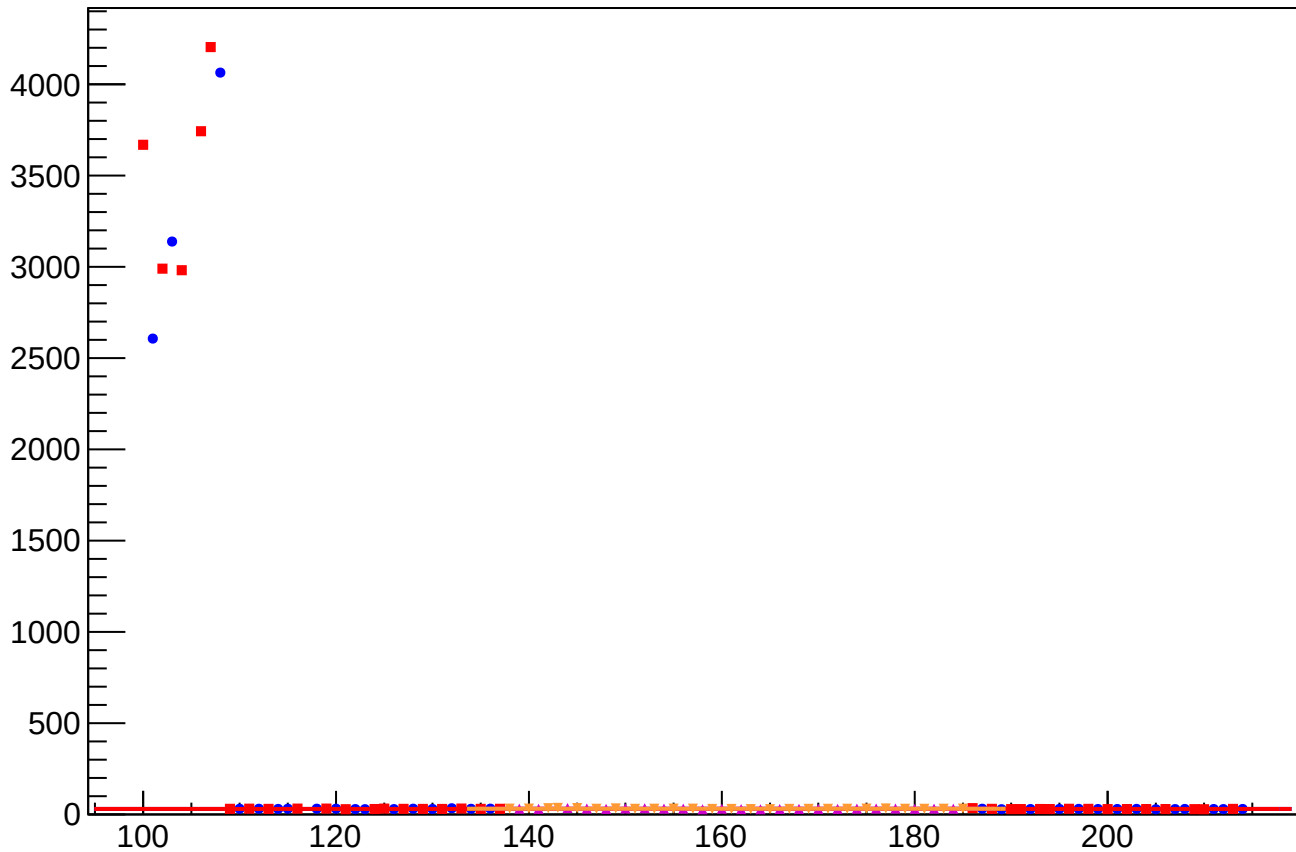
Left In: 5.943 ± 7.550 χ^2/NDF : 38.3/22

+ sign -10.650 ± 5.335 χ^2/NDF : 50.1/55

All: -4.372 ± 3.797 χ^2/NDF : 133.7/112

- sign 2.077 ± 5.406 χ^2/NDF : 80.7/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.211 $\pm$ 0.005 χ^2 /NDF: 3038370.7/30

Left Out: 31.482 $\pm$ 0.005 χ^2 /NDF: 82437.2/24

Right Out: 30.268 $\pm$ 0.005 χ^2 /NDF: 3492178.6/33

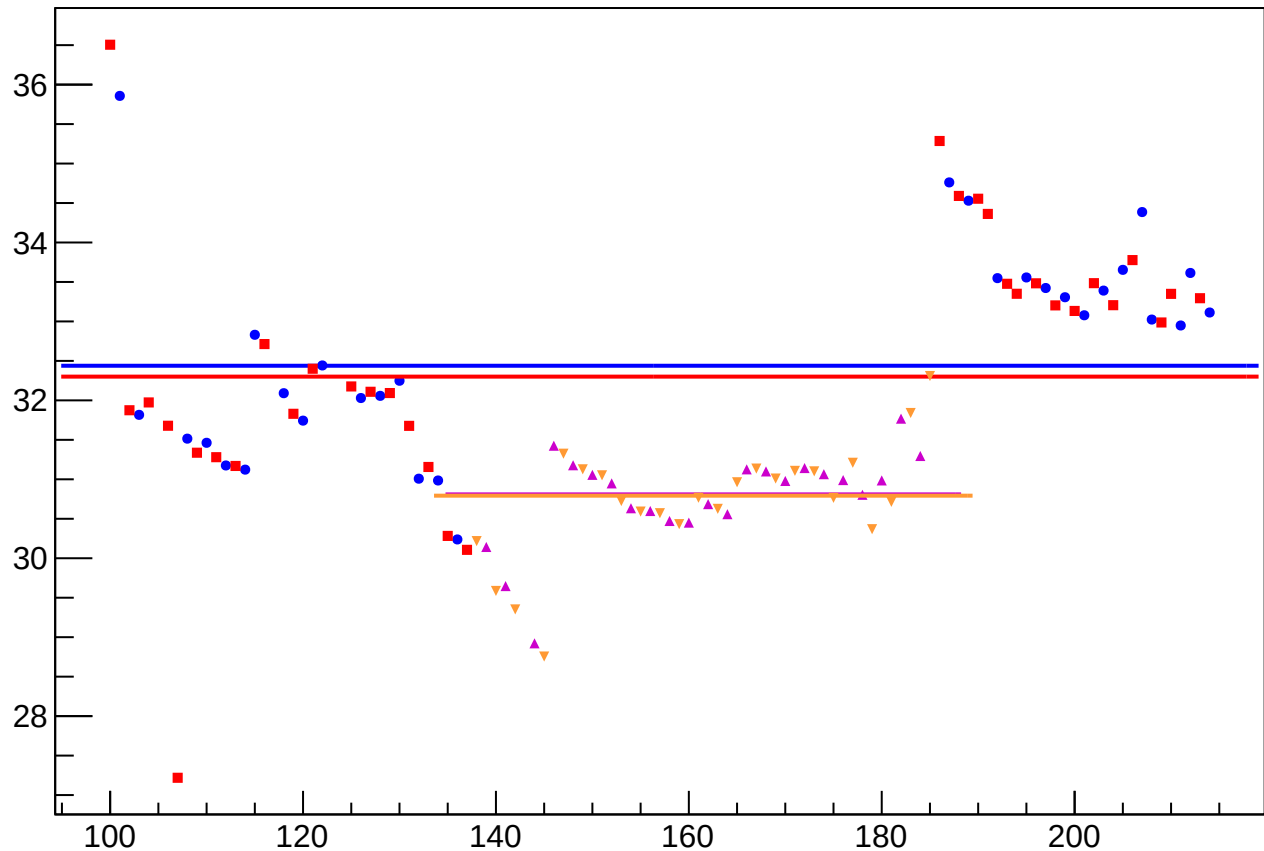
Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

+ sign 30.882 $\pm$ 0.004 χ^2 /NDF: 3149101.3/55

All: 30.887 $\pm$ 0.003 χ^2 /NDF: 6754574.5/112

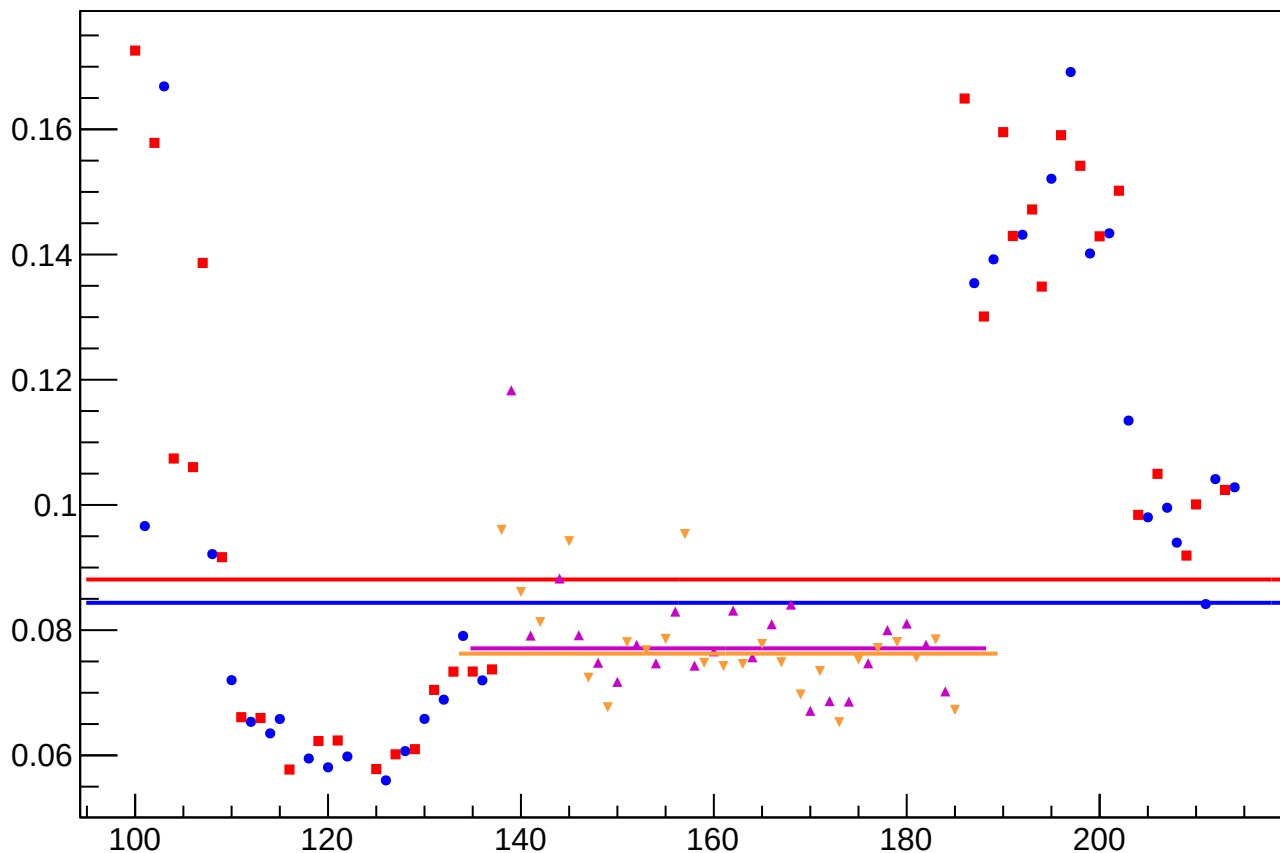
- sign 30.892 $\pm$ 0.004 χ^2 /NDF: 3605470.0/56

yield_usl_mean vs Slug



Right In: 32.439+/-0.000	χ^2/NDF : 2975702279.4/29	+ sign 31.479+/-0.000	χ^2/NDF : 7098904891.6/53
Left Out: 30.793+/-0.000	χ^2/NDF : 1007261340.7/23	All: 31.449+/-0.000	χ^2/NDF : 12877235271.3
Right Out: 32.301+/-0.000	χ^2/NDF : 2528221588.4/32	- sign 31.418+/-0.000	χ^2/NDF : 5769739298.2/55
Left In: 30.809+/-0.000	χ^2/NDF : 821961762.3/22		

yield_usl_rms vs Slug



Right In: 0.084+/-0.000 χ^2/NDF : 3241566.8/29

Left Out: 0.076+/-0.000 χ^2/NDF : 277876.5/23

Right Out: 0.088+/-0.000 χ^2/NDF : 3659822.0/32

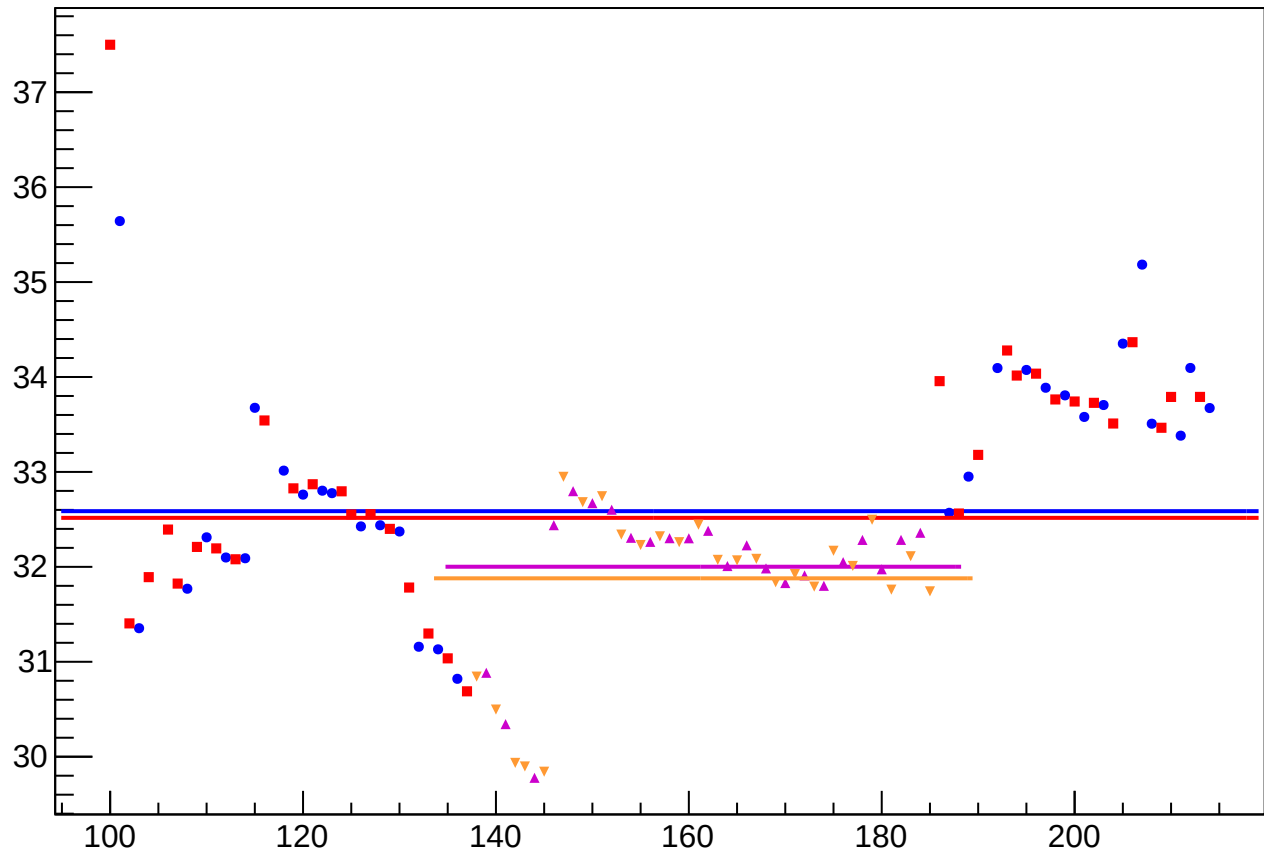
Left In: 0.077+/-0.000 χ^2/NDF : 325844.3/22

+ sign 0.080+/-0.000 χ^2/NDF : 3671104.8/53

All: 0.081+/-0.000 χ^2/NDF : 7937450.8/109

- sign 0.082+/-0.000 χ^2/NDF : 4248882.9/55

yield_usr_mean vs Slug



Right In: 32.587 $\pm$ 0.000 χ^2 /NDF: 1598194991.4/30

Left Out: 31.879 $\pm$ 0.000 χ^2 /NDF: 1976281391.1/24

Right Out: 32.516 $\pm$ 0.000 χ^2 /NDF: 938724936.3/32

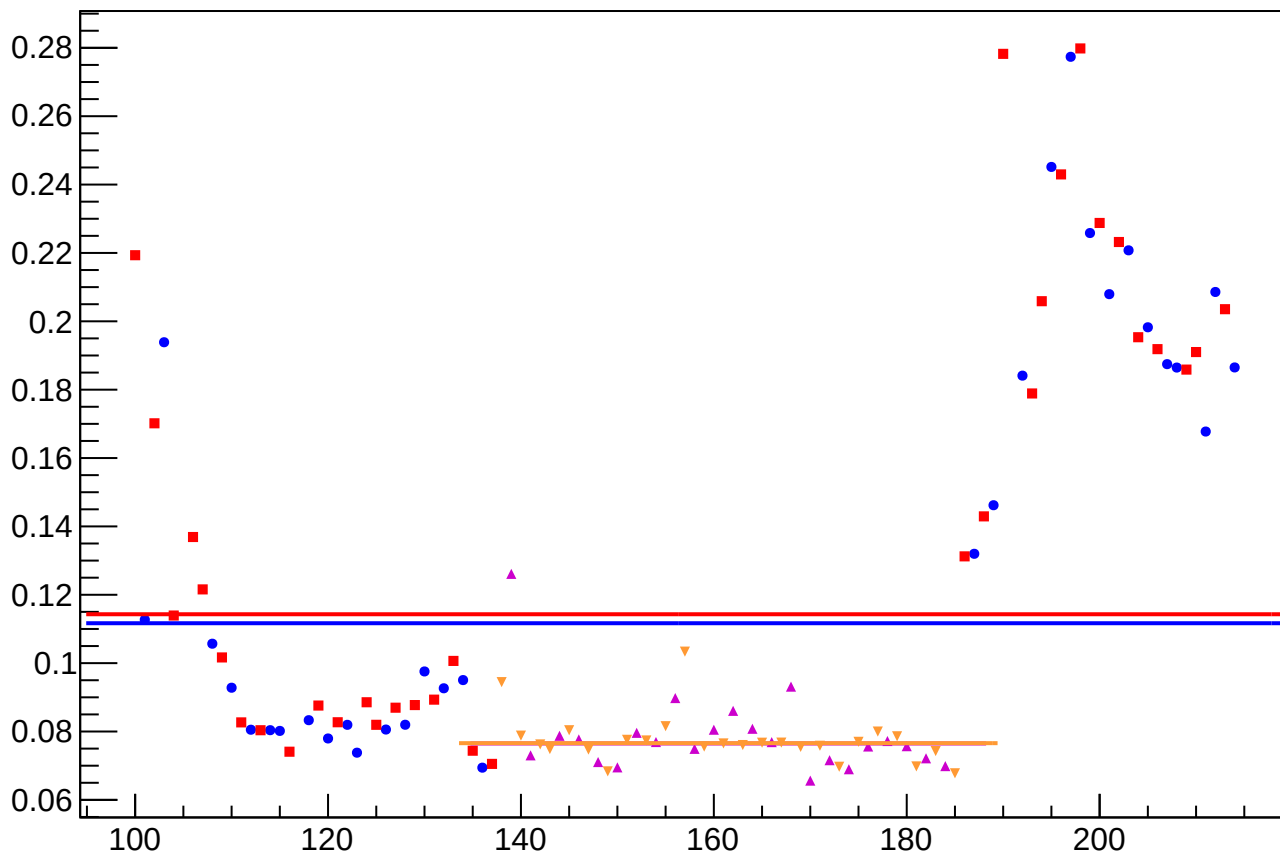
Left In: 32.001 $\pm$ 0.000 χ^2 /NDF: 1411110671.9/22

+ sign 32.065 $\pm$ 0.000 χ^2 /NDF: 3953635136.6/55

All: 32.102 $\pm$ 0.000 χ^2 /NDF: 6510344570.8/1

- sign 32.140 $\pm$ 0.000 χ^2 /NDF: 2546045847.6/55

yield_usr_rms vs Slug



Right In: 0.112 ± 0.000 χ^2/NDF : 5444296.9/30

Left Out: 0.077 ± 0.000 χ^2/NDF : 209648.5/24

Right Out: 0.114 ± 0.000 χ^2/NDF : 5075884.0/32

Left In: 0.076 ± 0.000 χ^2/NDF : 432563.3/22

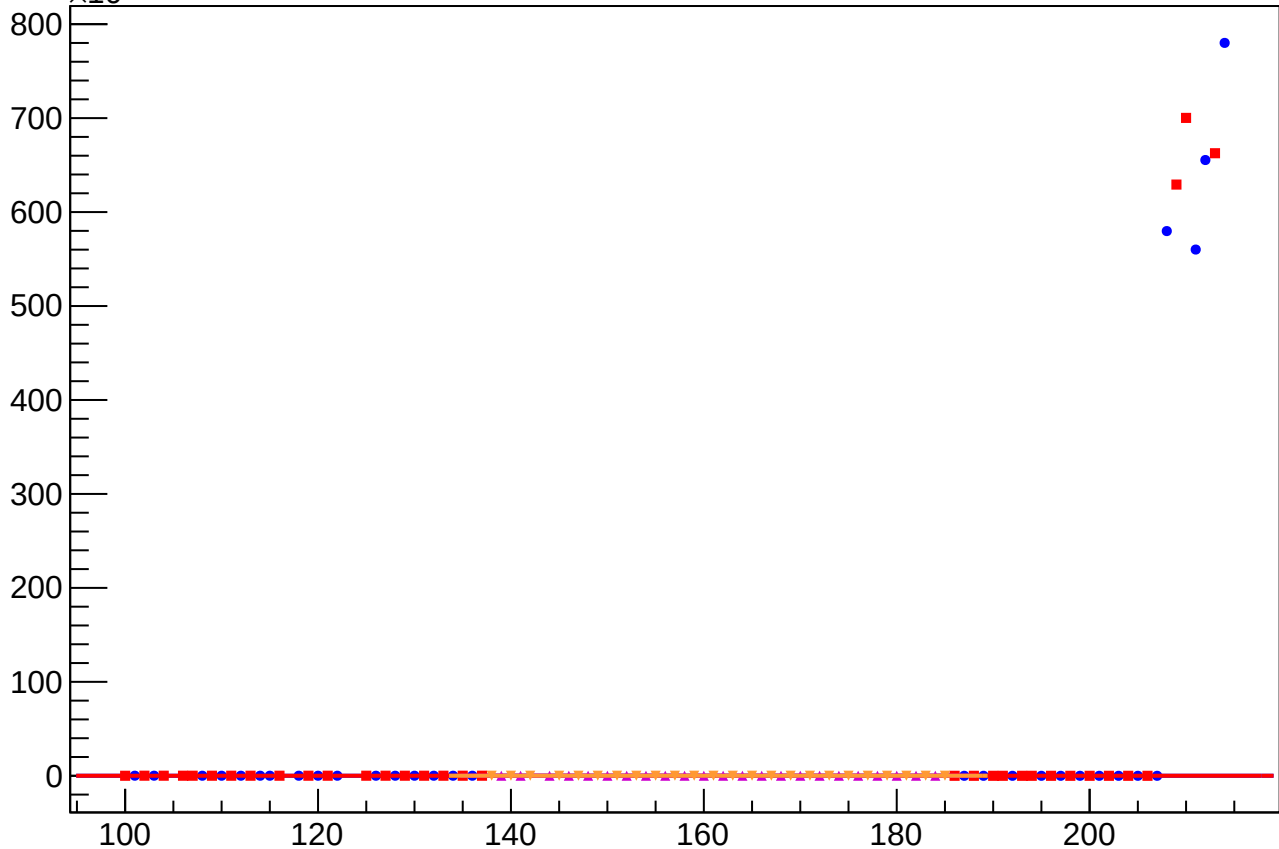
+ sign 0.086 ± 0.000 χ^2/NDF : 7518656.6/55

All: 0.086 ± 0.000 χ^2/NDF : 15144961.7/111

- sign 0.087 ± 0.000 χ^2/NDF : 7623515.4/55

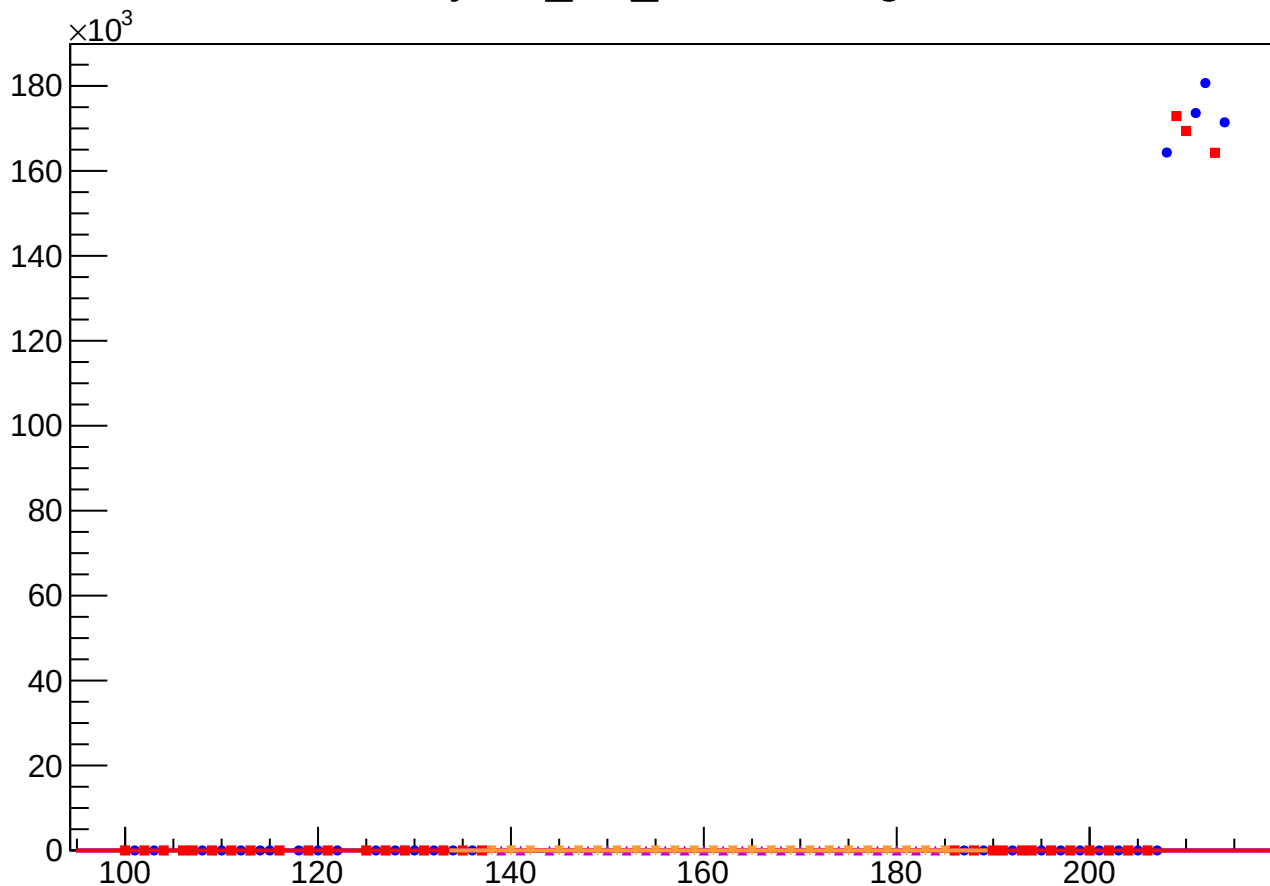
yield_dsl_mean vs Slug

$\times 10^3$



Right In: 54.615 $\pm$ 0.000 χ^2 /NDF: 10853544527718.2/29
 Left Out: 83.402 $\pm$ 0.000 χ^2 /NDF: 8756634444.3/23
 Right Out: 51.099 $\pm$ 0.000 χ^2 /NDF: 11528442668478.4/32
 Left In: 83.309 $\pm$ 0.000 χ^2 /NDF: 8421247810.9/22
 + sign 71.450 $\pm$ 0.000 χ^2 /NDF: 13713599176717.0
 All: 70.353 $\pm$ 0.000 χ^2 /NDF: 2903830244523
 - sign 69.298 $\pm$ 0.000 χ^2 /NDF: 15291257518485.6

yield_dsl_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 6125441.0/29

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:206685.9/23

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 4977622.0/32

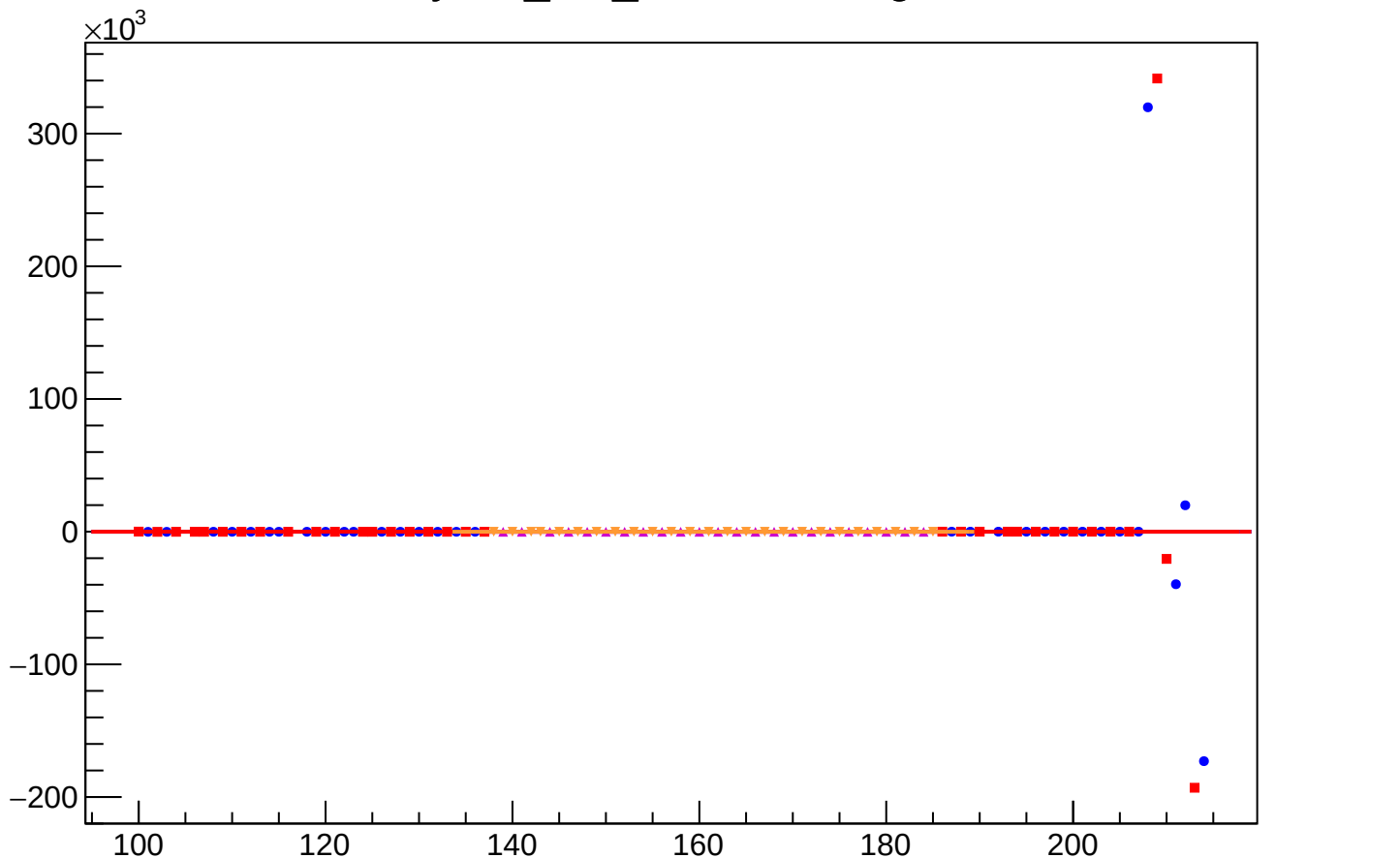
Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

+ sign 0.046 $\pm$ 0.000 χ^2 /NDF: 6351330.2/53

All: 0.046 $\pm$ 0.000 χ^2 /NDF: 11599173.2/109

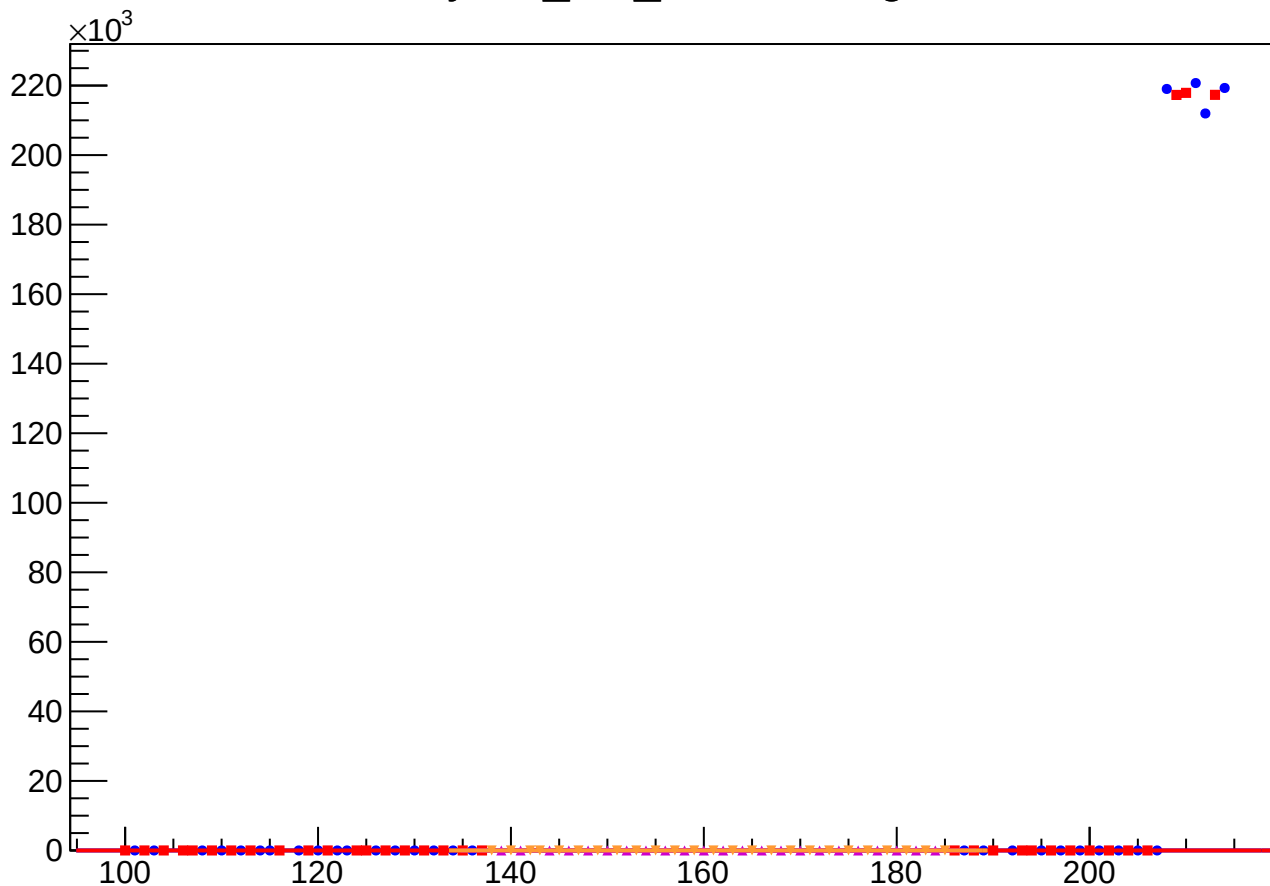
- sign 0.046 $\pm$ 0.000 χ^2 /NDF: 5247558.7/55

yield_dsr_mean vs Slug



Right In: -30.026 ± 0.000 $\chi^2/\text{NDF}: 7479129219127.5/30$
 Left Out: -69.461 ± 0.000 $\chi^2/\text{NDF}: 49572401.9/24$ + sign -51.425 ± 0.000 $\chi^2/\text{NDF}: 11625952765026.3$
 Right Out: -28.760 ± 0.000 $\chi^2/\text{NDF}: 7325681975702.7/32$ All: -50.406 ± 0.000 $\chi^2/\text{NDF}: 234256944101$
 Left In: -69.458 ± 0.000 $\chi^2/\text{NDF}: 52798704.3/22$ - sign -49.388 ± 0.000 $\chi^2/\text{NDF}: 11777430117909.9$

yield_dsr_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 5853774.2/30

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38761.8/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 4579288.8/32

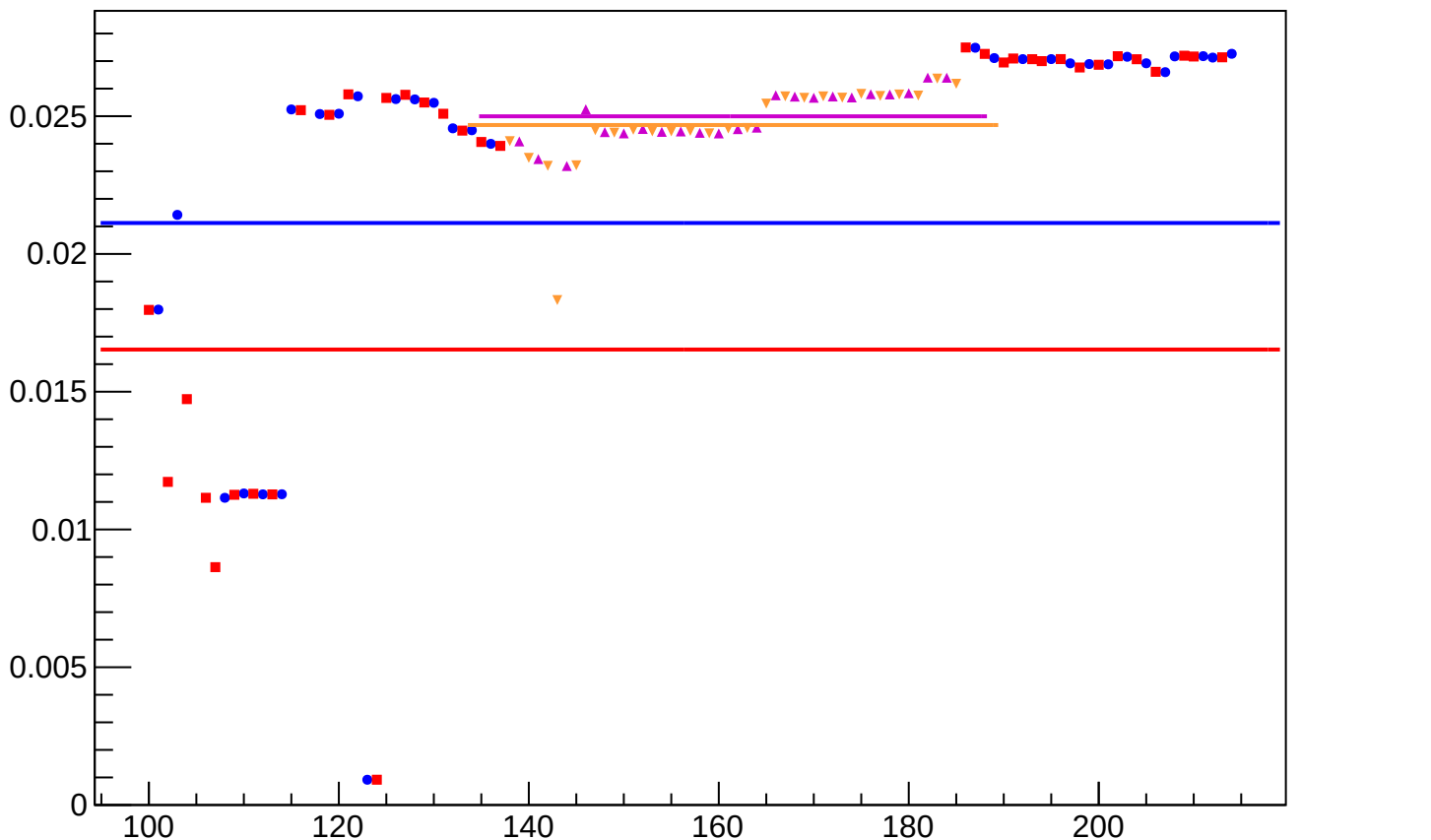
Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

+ sign 0.054 $\pm$ 0.000 χ^2 /NDF: 5942975.6/55

All: 0.054 $\pm$ 0.000 χ^2 /NDF: 10642465.9/111

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 4699475.6/55

yield_atl1_mean vs Slug



Right In: 0.021 $\pm$ 0.000 χ^2 /NDF: 197696764763.7/30

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 9641065555.8/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 430739877035.8/33

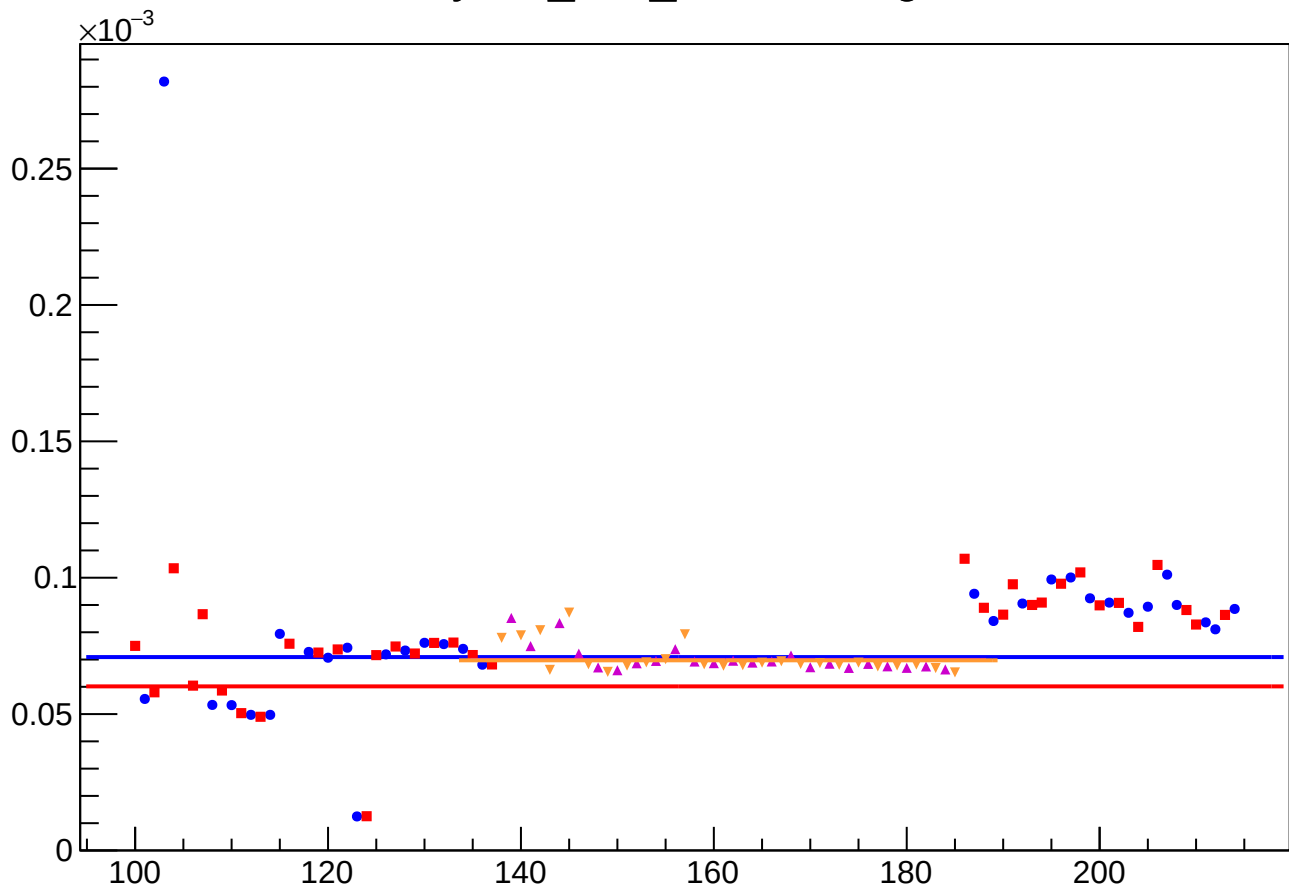
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 2462473687.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 227819086343.0/55

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 808032337373.3

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 560461191083.7/56

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 3624567.8/30

Left Out: 0.000+/-0.000 χ^2/NDF :158125.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7103950.4/33

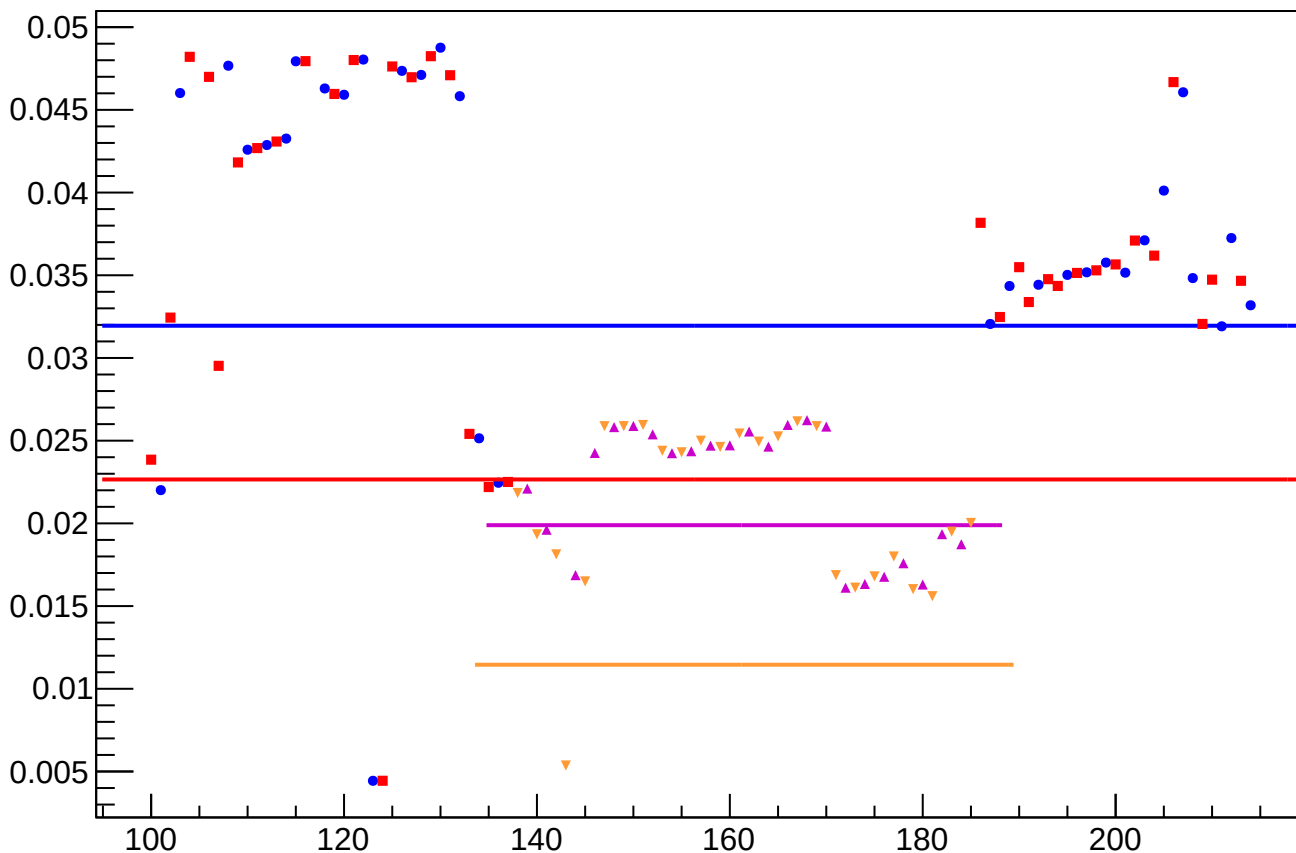
Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

+ sign 0.000+/-0.000 χ^2/NDF : 3787263.1/55

All: 0.000+/-0.000 χ^2/NDF : 11544176.7/112

- sign 0.000+/-0.000 χ^2/NDF : 7567281.4/56

yield_atl2_mean vs Slug



Right In: 0.032 $\pm$ 0.000 χ^2 /NDF: 21788888489.7/30

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 40294472965.0/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 44852299973.9/33

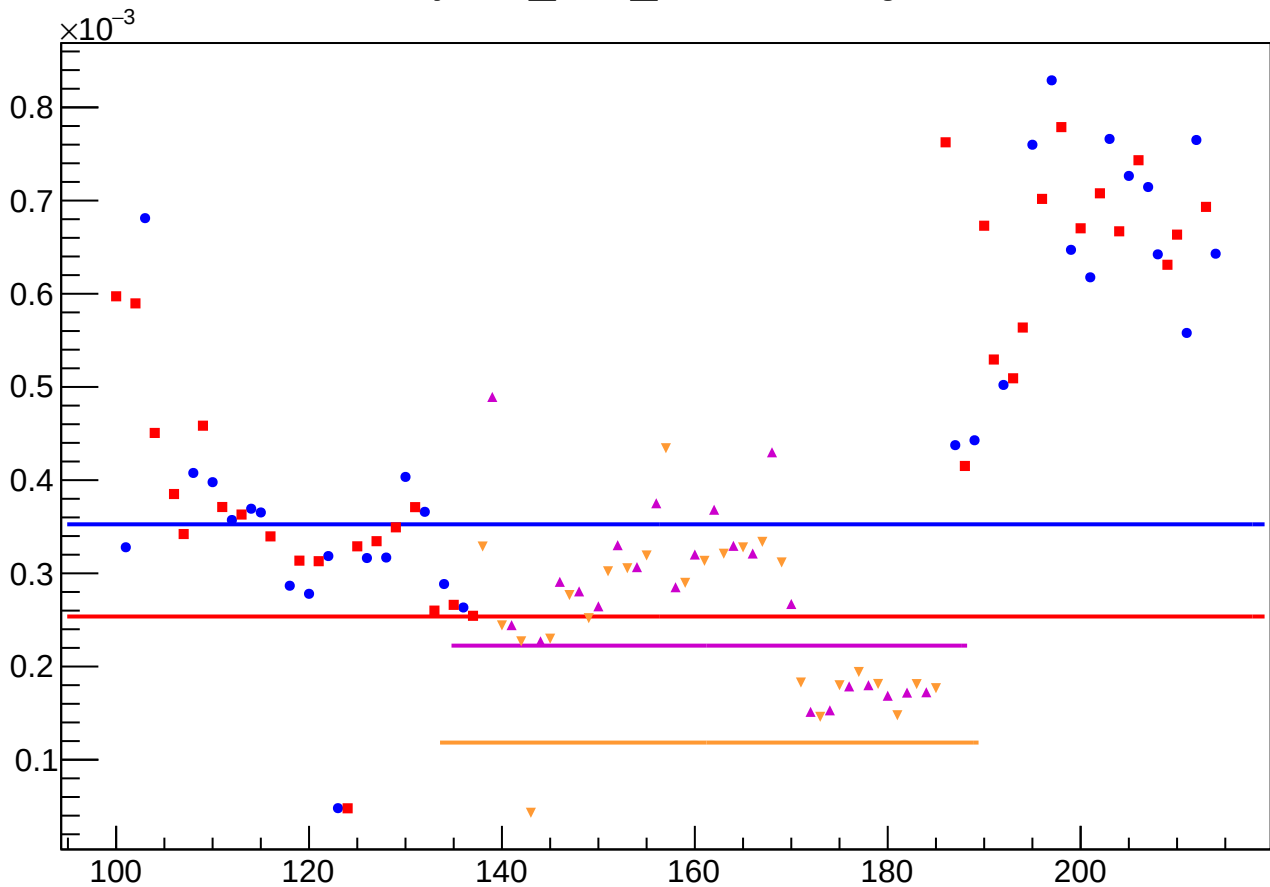
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4458790813.3/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 96951882843.3/55

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 160717583028.3

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 50042775048.1/56

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 7592625.2/30

Left Out: 0.000+/-0.000 χ^2/NDF :13563132.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 13499785.4/33

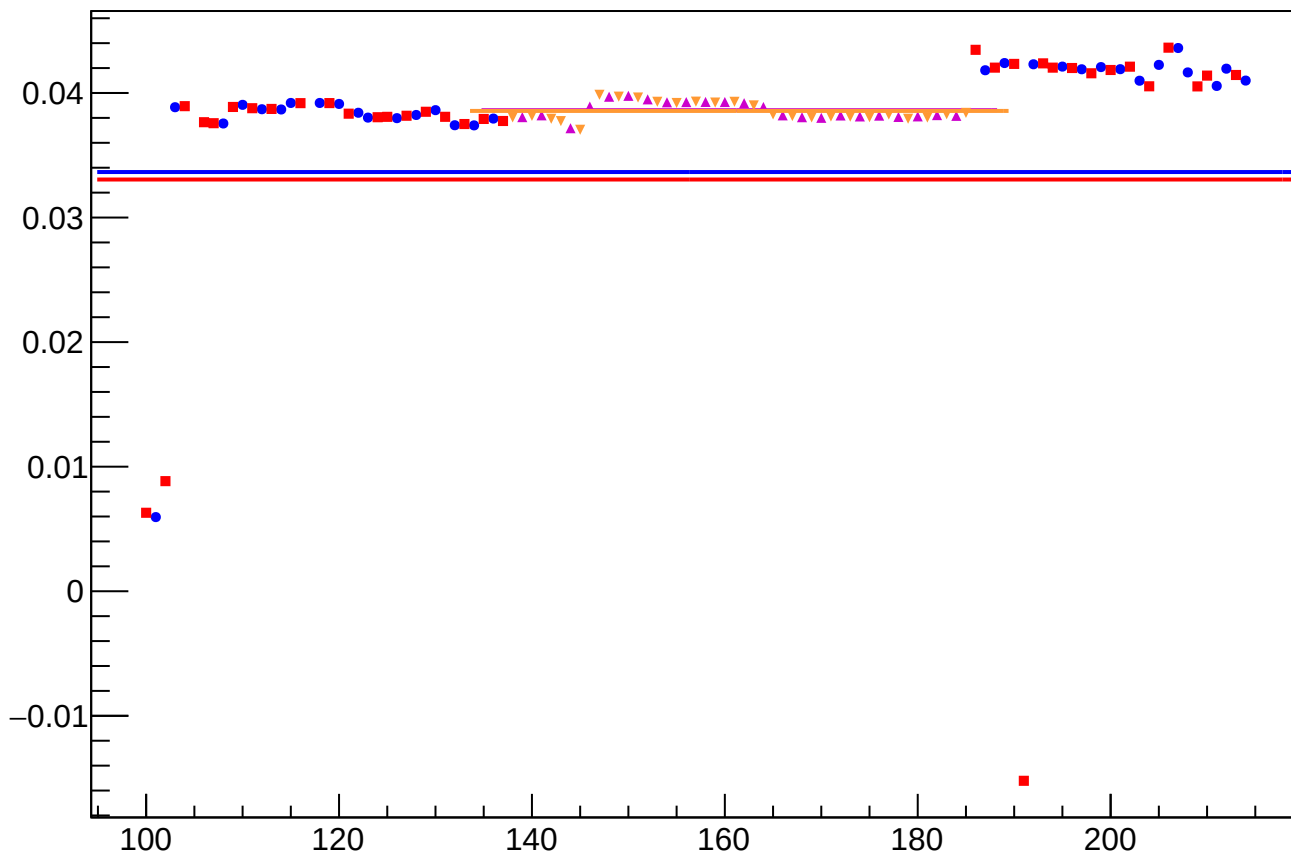
Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

+ sign 0.000+/-0.000 χ^2/NDF : 30261526.6/55

All: 0.000+/-0.000 χ^2/NDF : 51521102.6/112

- sign 0.000+/-0.000 χ^2/NDF : 16967873.6/56

yield_atr1_mean vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 119469016041.8/30

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 539468437.3/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 184087655087.6/33

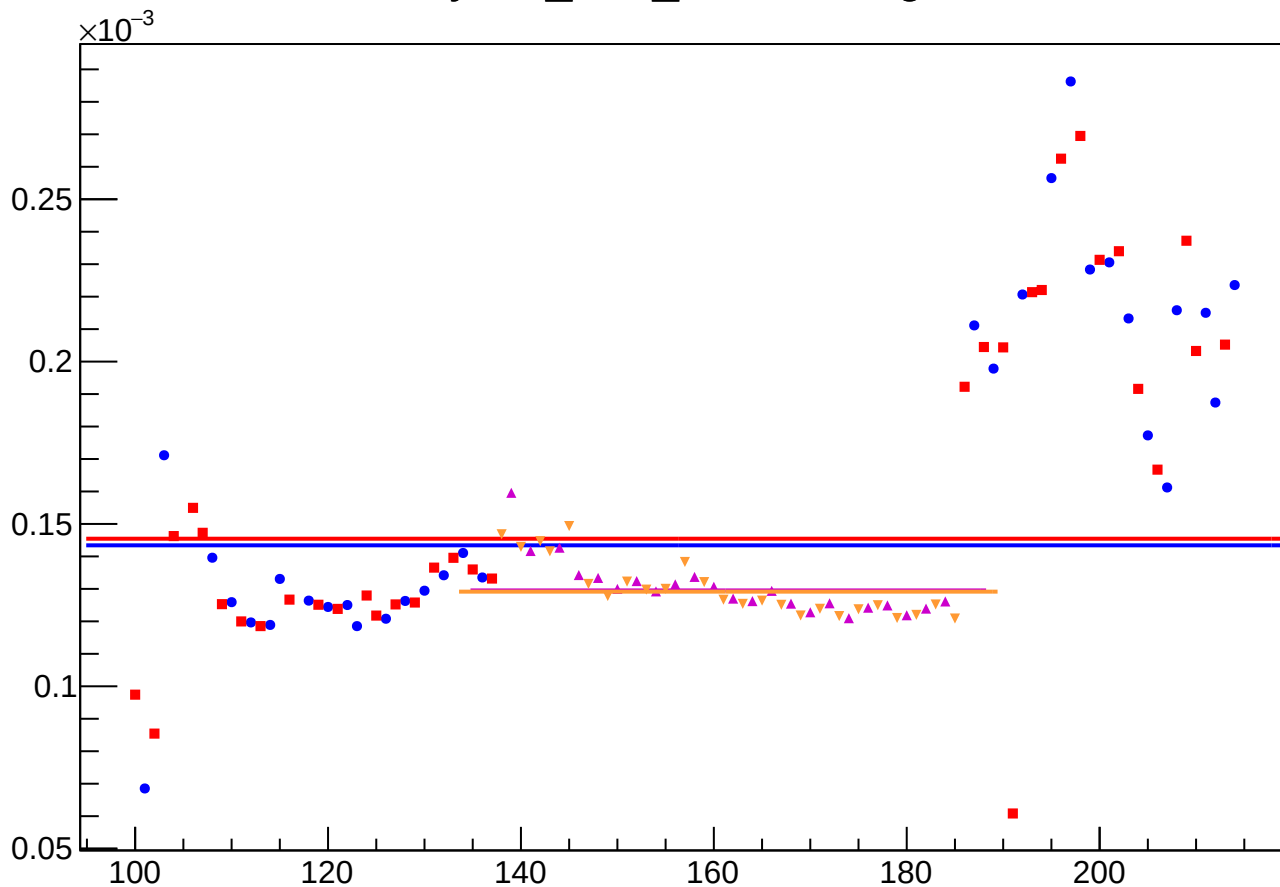
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 465745982.6/22

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 130133794188.4/55

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 327541210877.6

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 197335865710.1/56

yield_atr1_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 3808038.5/30

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:130321.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3507903.4/33

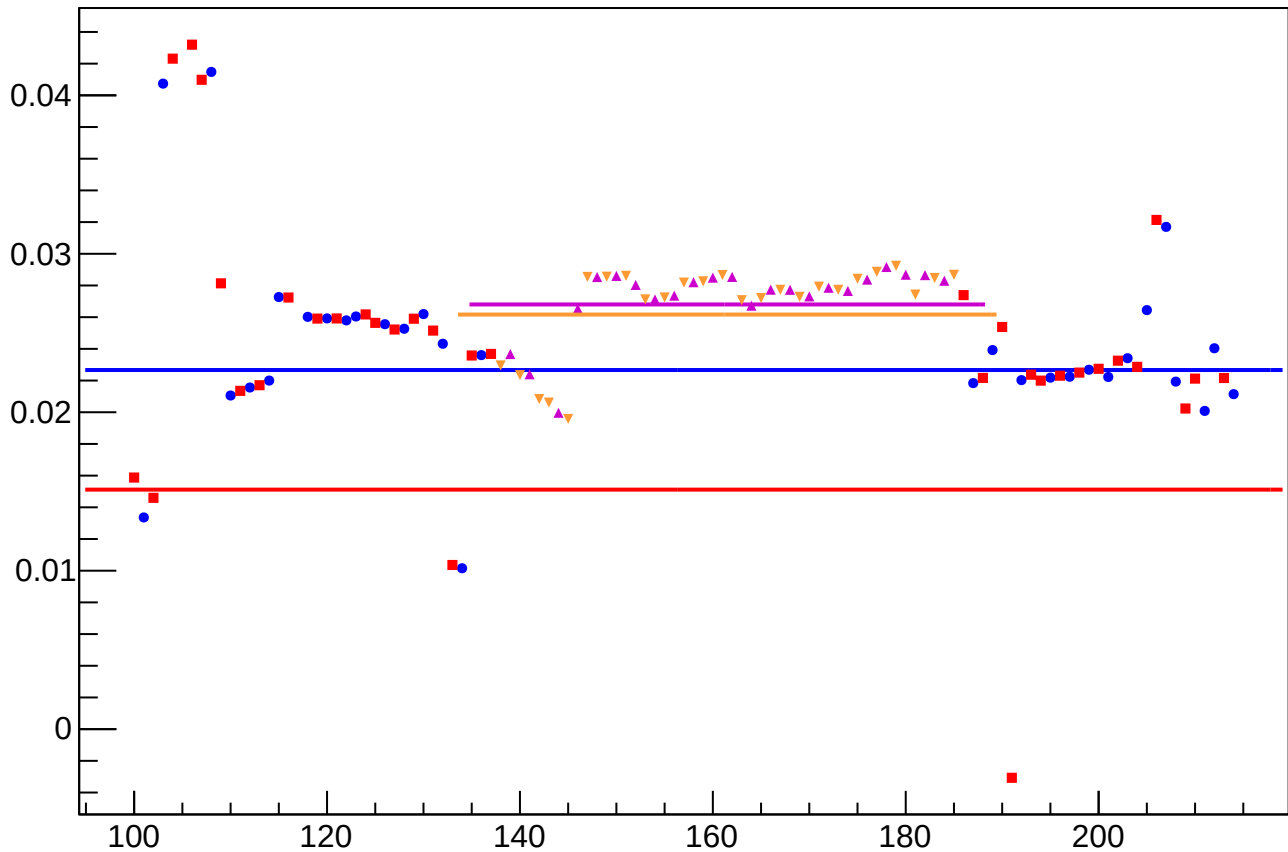
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:114763.2/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 4109522.9/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 7944249.0/112

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 3831879.2/56

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4427843970.0/30

Left Out: 0.026+/-0.000 χ^2/NDF : 2056710635.1/24

Right Out: 0.015+/-0.000 χ^2/NDF : 31762198373.4/33

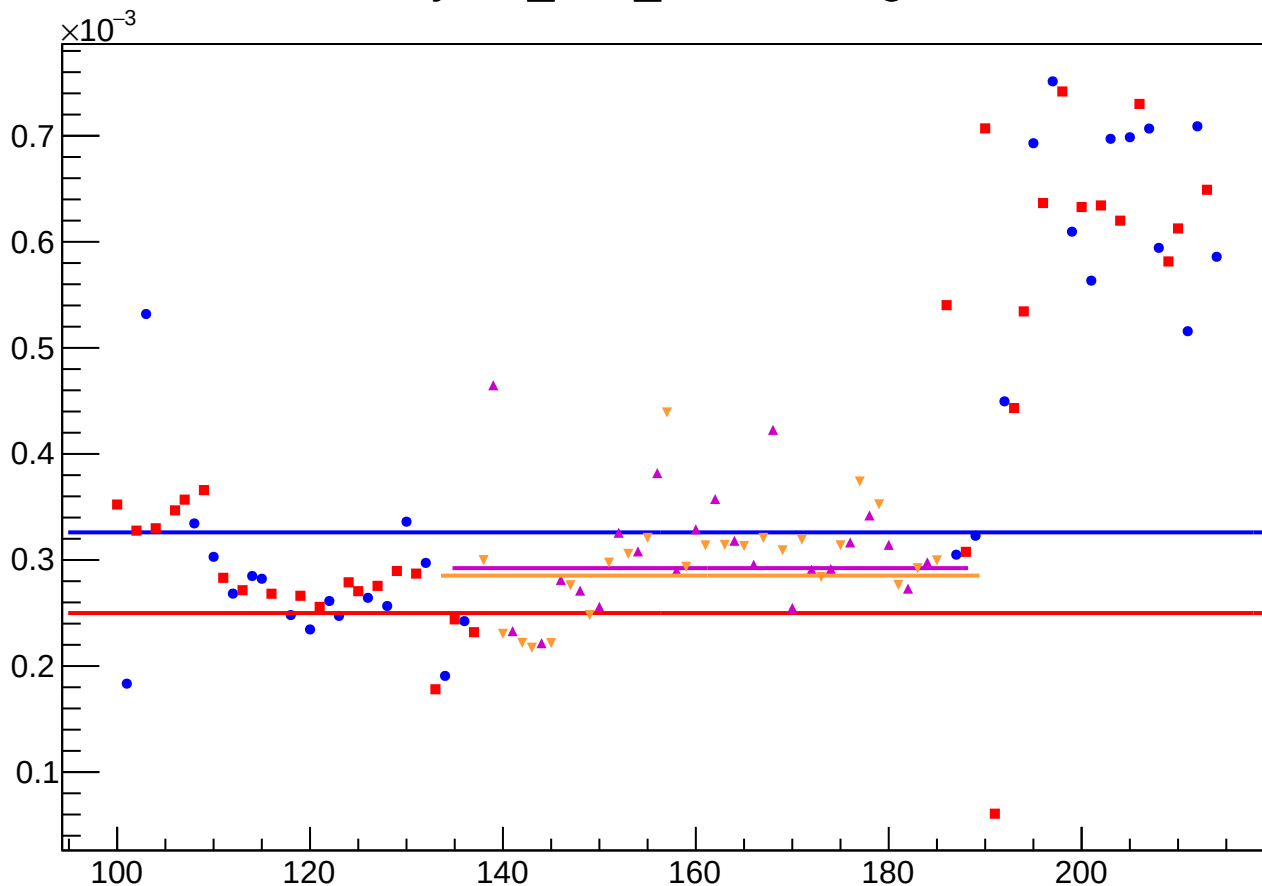
Left In: 0.027+/-0.000 χ^2/NDF : 1332033607.7/22

+ sign 0.025+/-0.000 χ^2/NDF : 7400304792.4/55

All: 0.023+/-0.000 χ^2/NDF : 54854612737.9/100

- sign 0.021+/-0.000 χ^2/NDF : 45190822298.1/56

yield_atr2_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 5641843.7/30

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:813464.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10357974.3/33

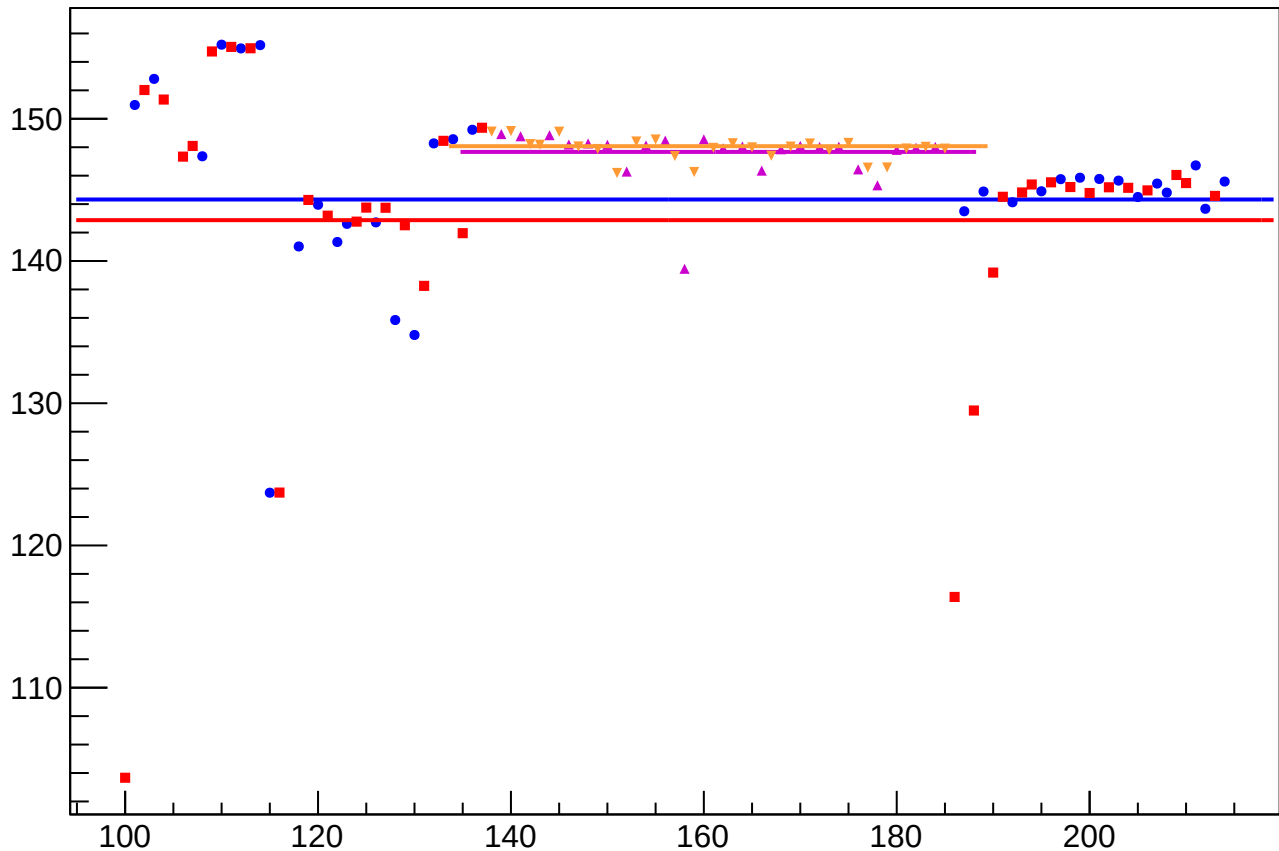
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:898772.9/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 6703829.6/55

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 18549555.1/112

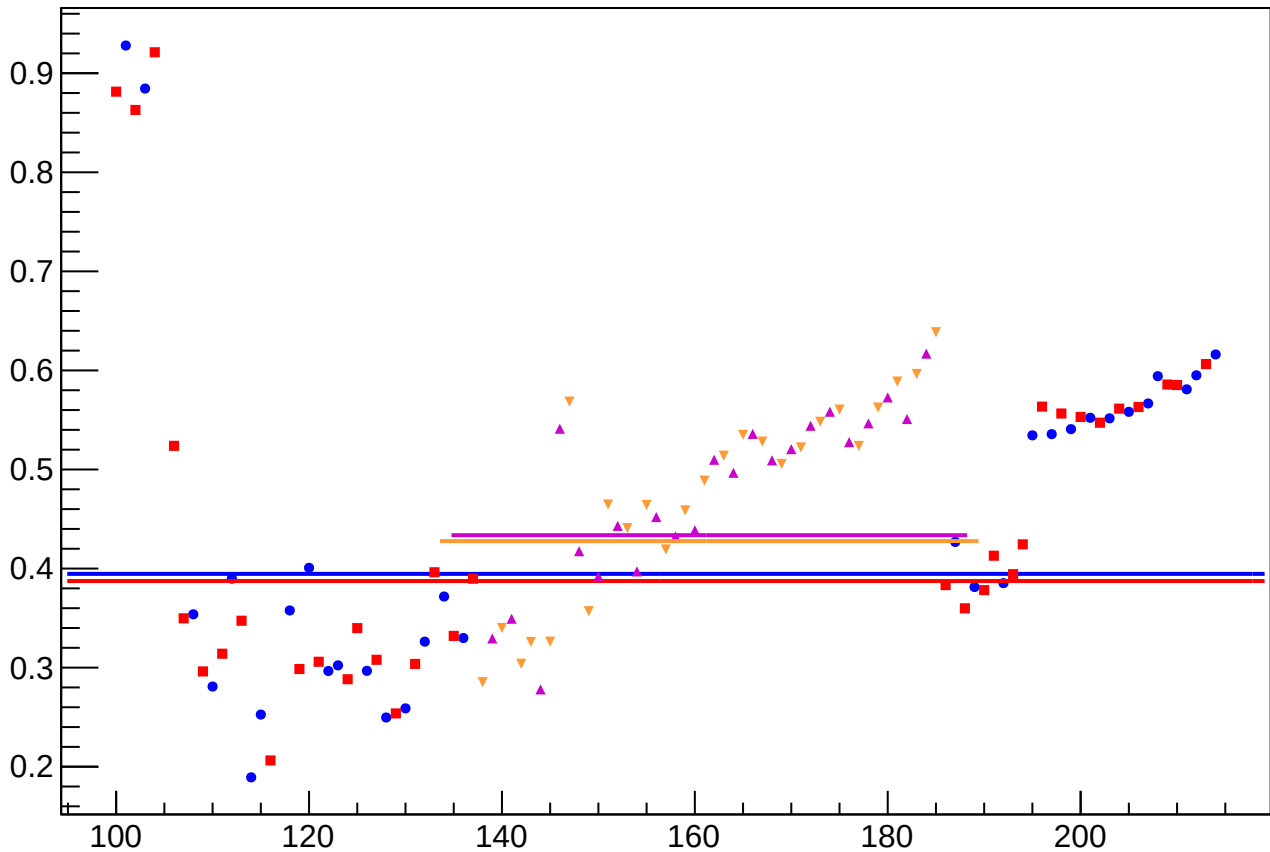
- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11574710.1/56

yield_bcm_an_ds_mean vs Slug



Right In: 144.325 $\pm$ 0.000	χ^2/NDF : 3506818900.9/30	+ sign 146.221 $\pm$ 0.000	χ^2/NDF : 4216407471.5/55
Left Out: 148.073 $\pm$ 0.000	χ^2/NDF : 65614067.4/24	All: 145.662 $\pm$ 0.000	χ^2/NDF : 13188702180.
Right Out: 142.872 $\pm$ 0.000	χ^2/NDF : 7450594169.7/33	- sign 145.109 $\pm$ 0.000	χ^2/NDF : 8858315239.1/56
Left In: 147.670 $\pm$ 0.000	χ^2/NDF : 345222604.4/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.395 ± 0.000 χ^2/NDF : 3432931.1/30

Left Out: 0.428 ± 0.000 χ^2/NDF : 1896808.7/24

Right Out: 0.387 ± 0.000 χ^2/NDF : 3083766.7/33

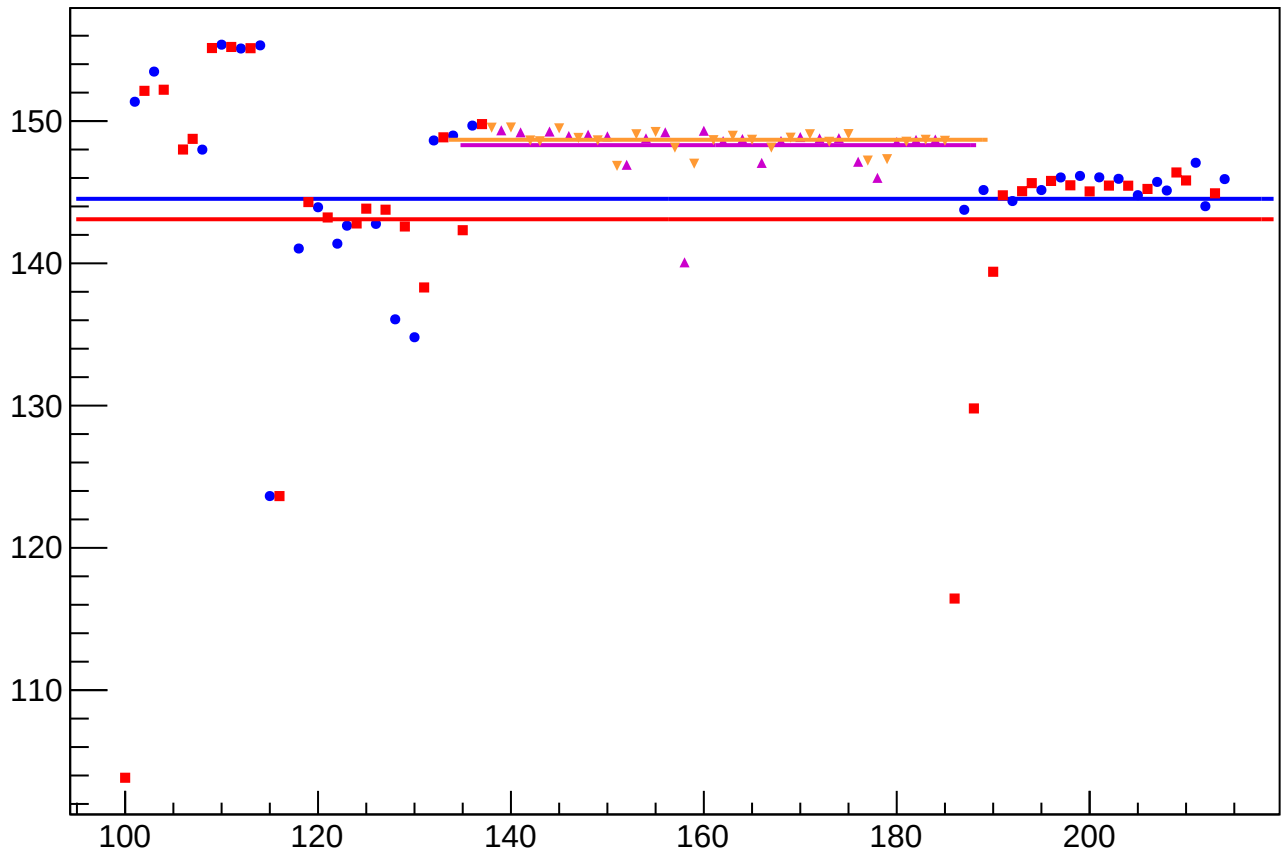
Left In: 0.434 ± 0.000 χ^2/NDF : 1496343.5/22

+ sign 0.411 ± 0.000 χ^2/NDF : 5430167.6/55

All: 0.410 ± 0.000 χ^2/NDF : 10208852.1/112

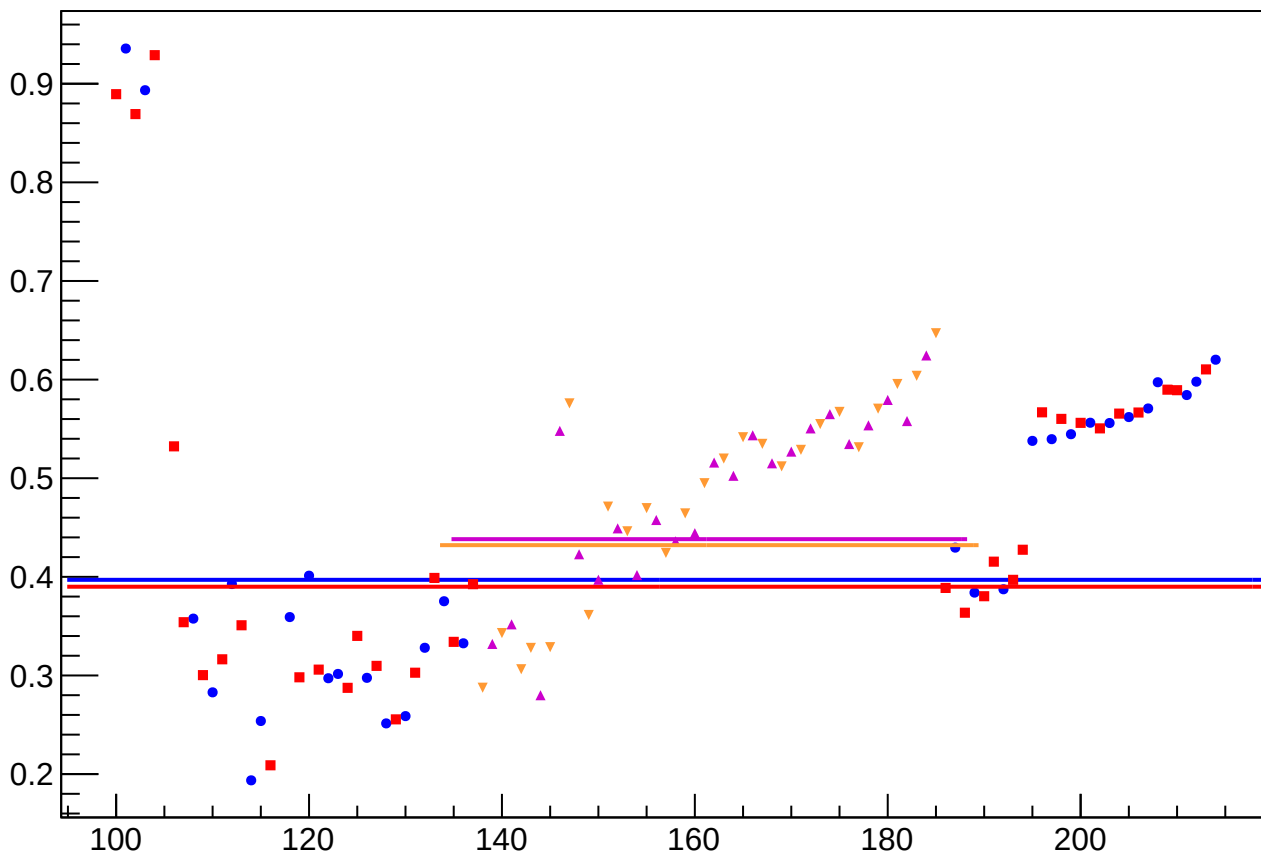
- sign 0.409 ± 0.000 χ^2/NDF : 4777621.8/56

yield_bcm_an_ds3_mean vs Slug



Right In: 144.535+/-0.000	χ^2/NDF : 3557854258.9/30	+ sign 146.626+/-0.000	χ^2/NDF : 4386921857.4/55
Left Out: 148.686+/-0.000	χ^2/NDF : 52218185.1/24	All: 146.069+/-0.000	χ^2/NDF : 13464031322.0
Right Out: 143.099+/-0.000	χ^2/NDF : 7402242819.5/33	- sign 145.517+/-0.000	χ^2/NDF : 8965634297.9/56
Left In: 148.307+/-0.000	χ^2/NDF : 333585558.2/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.397 ± 0.000 χ^2/NDF : 3440479.0/30

Left Out: 0.432 ± 0.000 χ^2/NDF : 1929031.5/24

Right Out: 0.390 ± 0.000 χ^2/NDF : 3087559.4/33

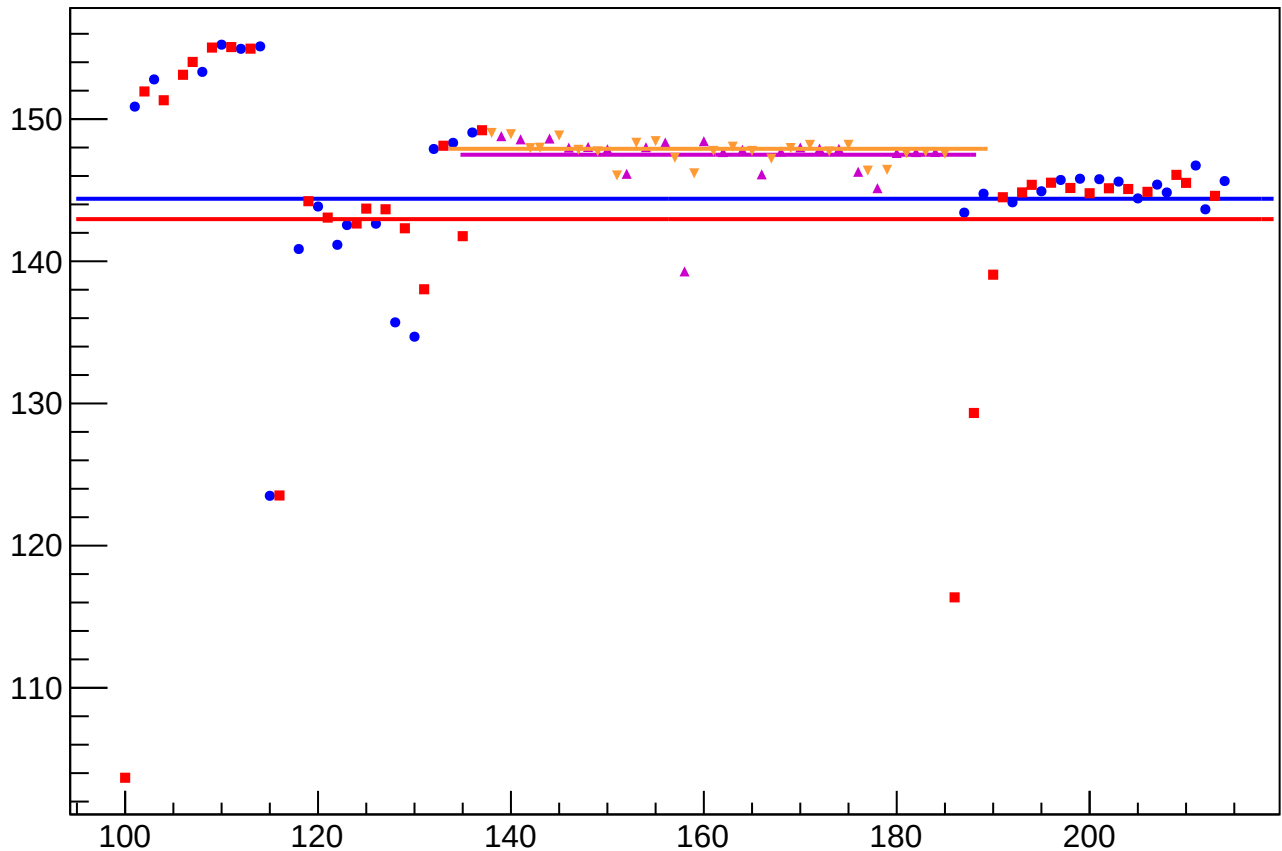
Left In: 0.438 ± 0.000 χ^2/NDF : 1521893.6/22

+ sign 0.415 ± 0.000 χ^2/NDF : 5480878.6/55

All: 0.414 ± 0.000 χ^2/NDF : 10302112.3/112

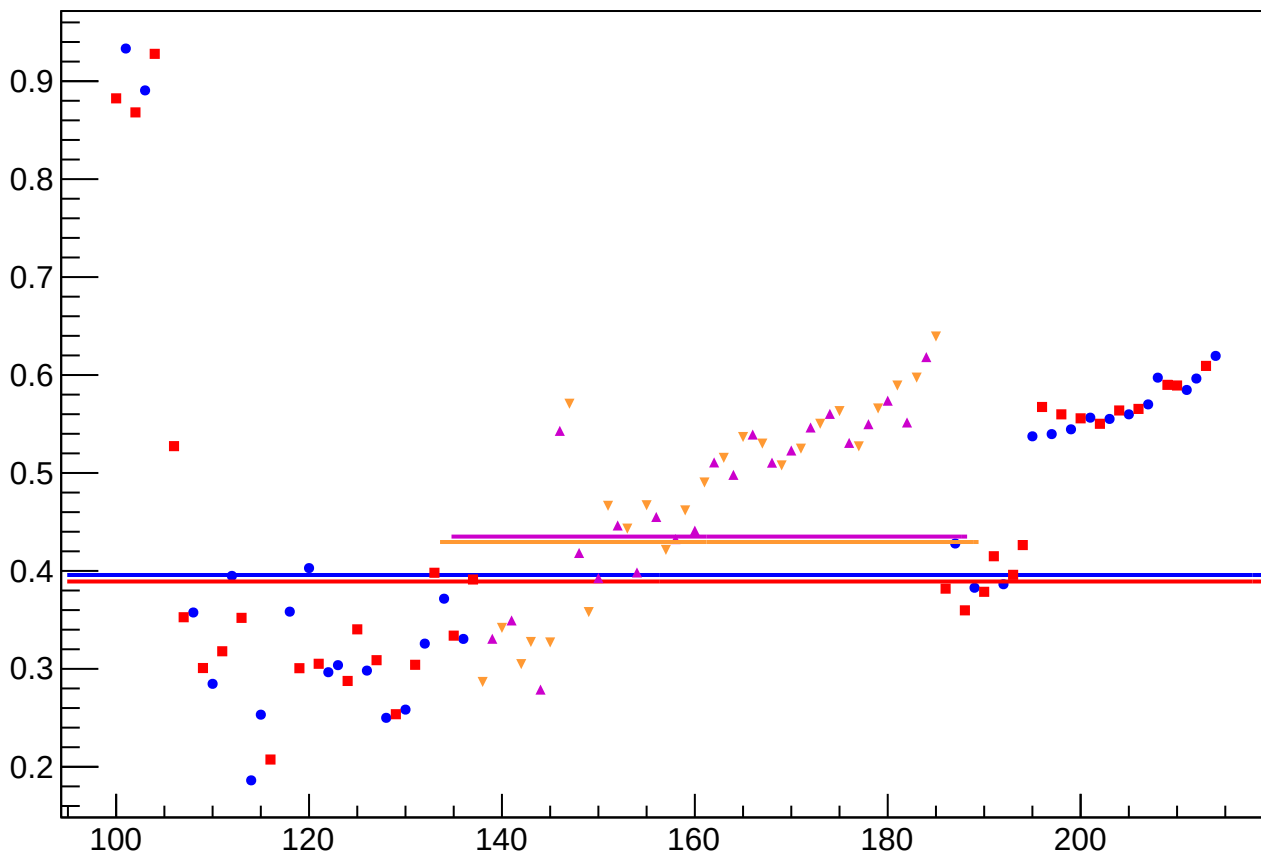
- sign 0.412 ± 0.000 χ^2/NDF : 4820267.2/56

yield_bcm_an_us_mean vs Slug



Right In: 144.397 ± 0.000	$\chi^2/\text{NDF}: 3712327157.4/30$	+ sign 146.175 ± 0.000	$\chi^2/\text{NDF}: 4338153814.5/55$
Left Out: 147.911 ± 0.000	$\chi^2/\text{NDF}: 64412407.9/24$	All: 145.624 ± 0.000	$\chi^2/\text{NDF}: 13555683485.$
Right Out: 142.964 ± 0.000	$\chi^2/\text{NDF}: 7824921810.3/33$	- sign 145.080 ± 0.000	$\chi^2/\text{NDF}: 9107850771.2/56$
Left In: 147.493 ± 0.000	$\chi^2/\text{NDF}: 343978473.2/22$		

yield_bcm_an_us_rms vs Slug



Right In: 0.396 ± 0.000 χ^2/NDF : 3470536.6/30

Left Out: 0.430 ± 0.000 χ^2/NDF : 1895701.4/24

Right Out: 0.389 ± 0.000 χ^2/NDF : 3090686.0/33

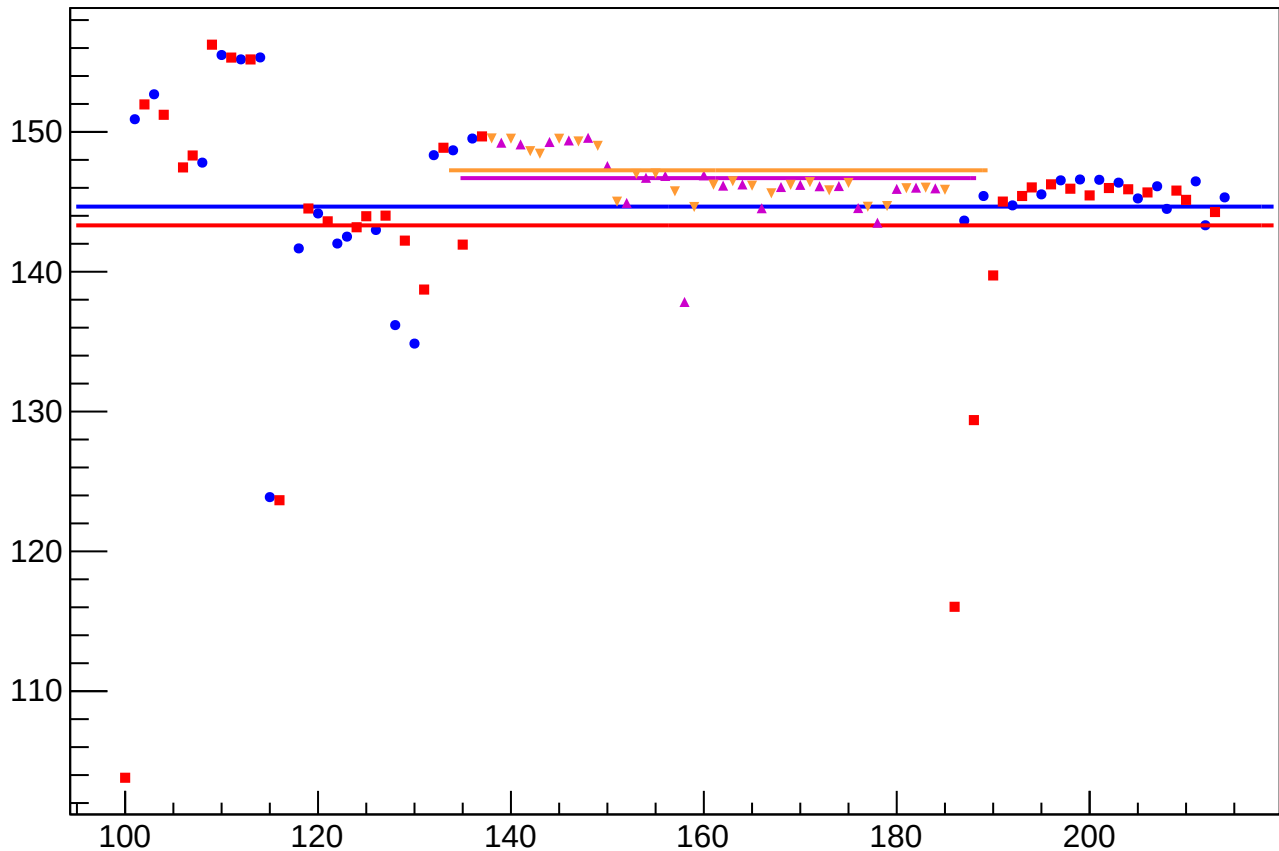
Left In: 0.435 ± 0.000 χ^2/NDF : 1502712.5/22

+ sign 0.413 ± 0.000 χ^2/NDF : 5469374.8/55

All: 0.412 ± 0.000 χ^2/NDF : 10256177.6/112

- sign 0.411 ± 0.000 χ^2/NDF : 4785868.0/56

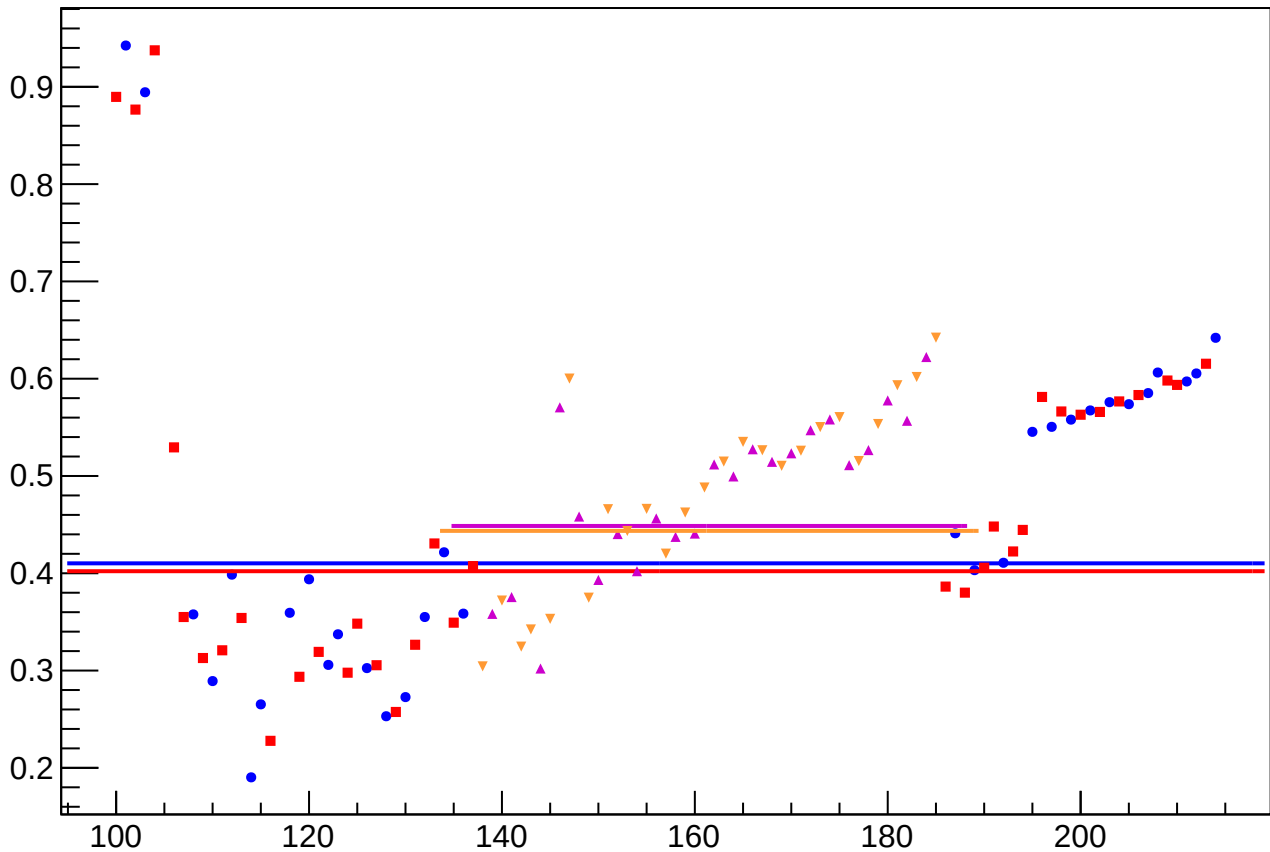
yield_bcm_dg_us_mean vs Slug



Right In: 144.659 $\pm$ 0.000 χ^2 /NDF: 3233211578.9/30
 Left Out: 147.255 $\pm$ 0.000 χ^2 /NDF: 262138049.8/24
 Right Out: 143.315 $\pm$ 0.000 χ^2 /NDF: 7143560390.2/33
 Left In: 146.695 $\pm$ 0.000 χ^2 /NDF: 557896803.1/22

+ sign 145.982 $\pm$ 0.000 χ^2 /NDF: 3783094119.2/55
 All: 145.440 $\pm$ 0.000 χ^2 /NDF: 12077777648.
 - sign 144.906 $\pm$ 0.000 χ^2 /NDF: 8195023908.5/56

yield_bcm_dg_us_rms vs Slug



Right In: 0.410 $\pm$ 0.000 χ^2 /NDF: 3363782.6/30

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1483434.7/24

Right Out: 0.402 $\pm$ 0.000 χ^2 /NDF: 2986554.9/33

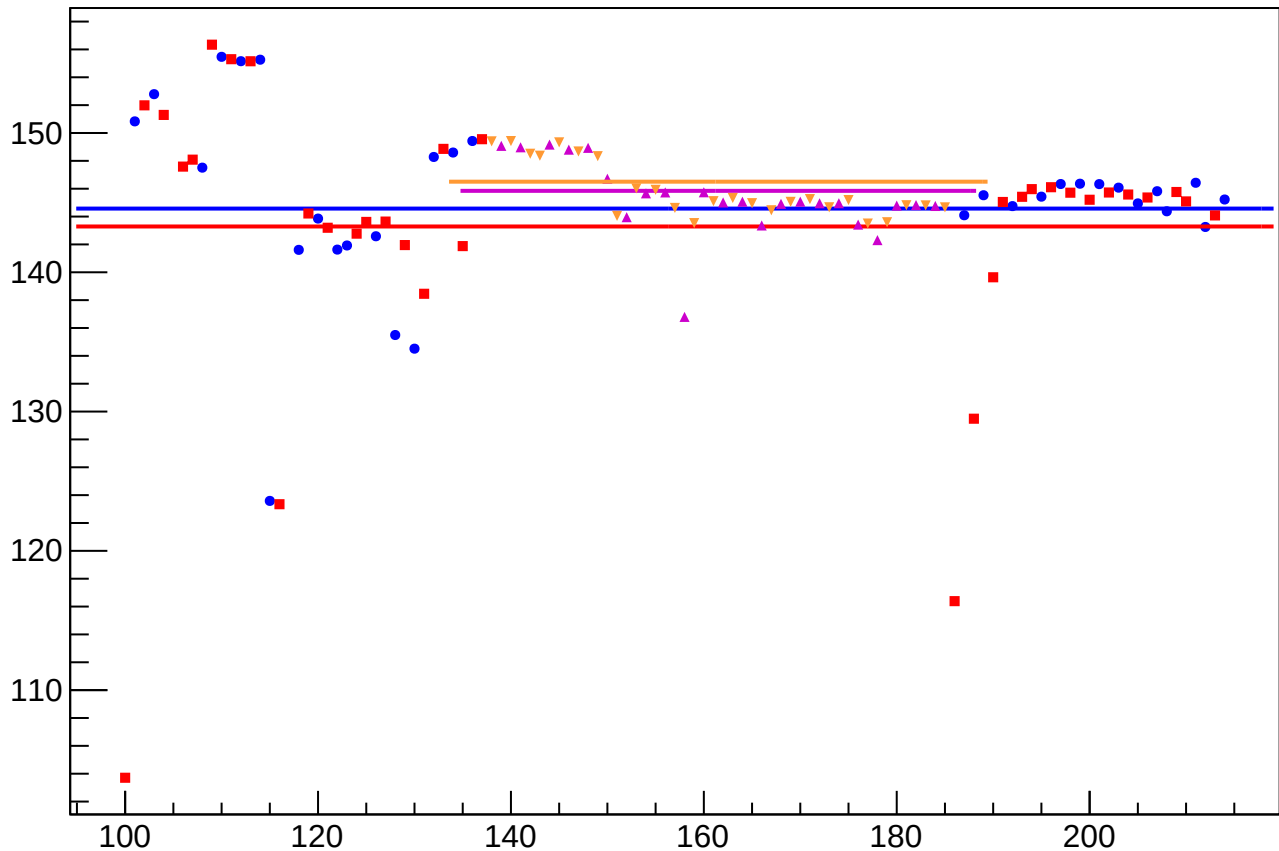
Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

+ sign 0.427 $\pm$ 0.000 χ^2 /NDF: 4942343.3/55

All: 0.426 $\pm$ 0.000 χ^2 /NDF: 9250228.5/112

- sign 0.424 $\pm$ 0.000 χ^2 /NDF: 4306113.0/56

yield_bcm_dg_ds_mean vs Slug



Right In: 144.573 $\pm$ 0.000 χ^2 /NDF: 3343099383.5/30

Left Out: 146.505 $\pm$ 0.000 χ^2 /NDF: 401688176.3/24

Right Out: 143.288 $\pm$ 0.000 χ^2 /NDF: 7095918472.1/33

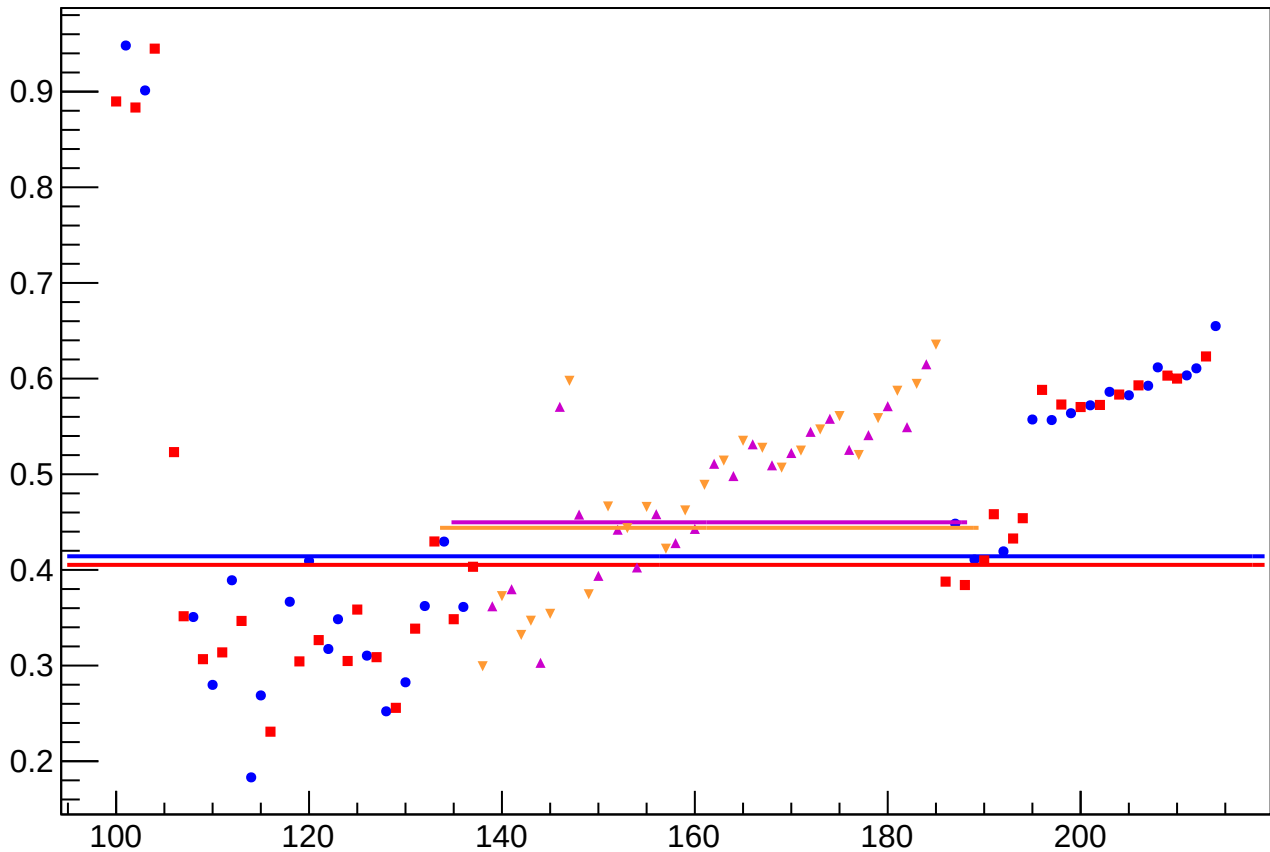
Left In: 145.847 $\pm$ 0.000 χ^2 /NDF: 694764545.6/22

+ sign 145.568 $\pm$ 0.000 χ^2 /NDF: 3901986230.7/55

All: 145.031 $\pm$ 0.000 χ^2 /NDF: 12068970211.1

- sign 144.501 $\pm$ 0.000 χ^2 /NDF: 8070175148.1/56

yield_bcm_dg_ds_rms vs Slug



Right In: 0.414 $\pm$ 0.000 χ^2 /NDF: 3417094.1/30

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1463293.5/24

Right Out: 0.405 $\pm$ 0.000 χ^2 /NDF: 3022536.2/33

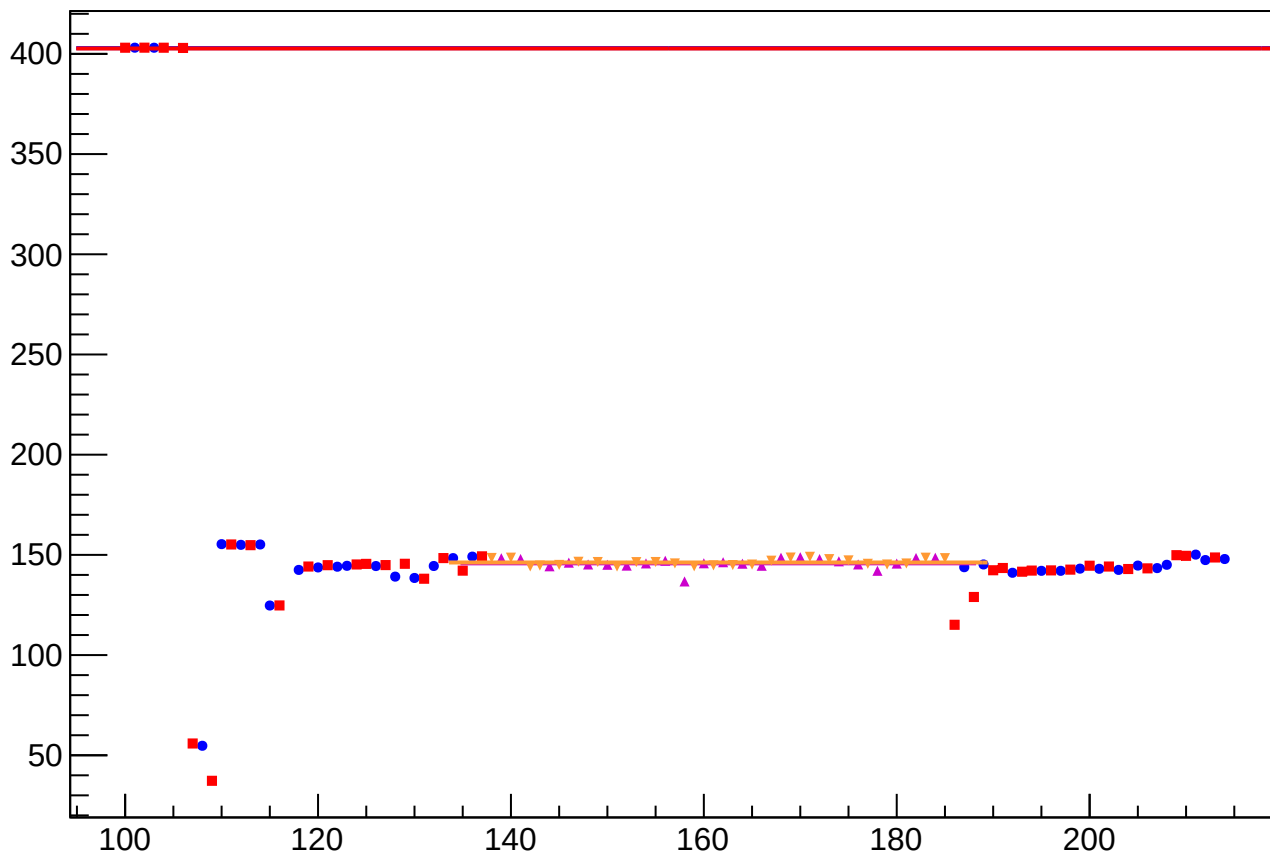
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1105405.0/22

+ sign 0.430 $\pm$ 0.000 χ^2 /NDF: 4955033.8/55

All: 0.428 $\pm$ 0.000 χ^2 /NDF: 9253856.9/112

- sign 0.426 $\pm$ 0.000 χ^2 /NDF: 4297068.9/56

yield_cav4bQ_mean vs Slug



Right In: 402.864 $\pm$ 0.000 χ^2 /NDF: 1848212932286.1/30

Left Out: 146.205 $\pm$ 0.000 χ^2 /NDF: 86658381.3/24

Right Out: 402.694 $\pm$ 0.000 χ^2 /NDF: 4064213651422.7/33

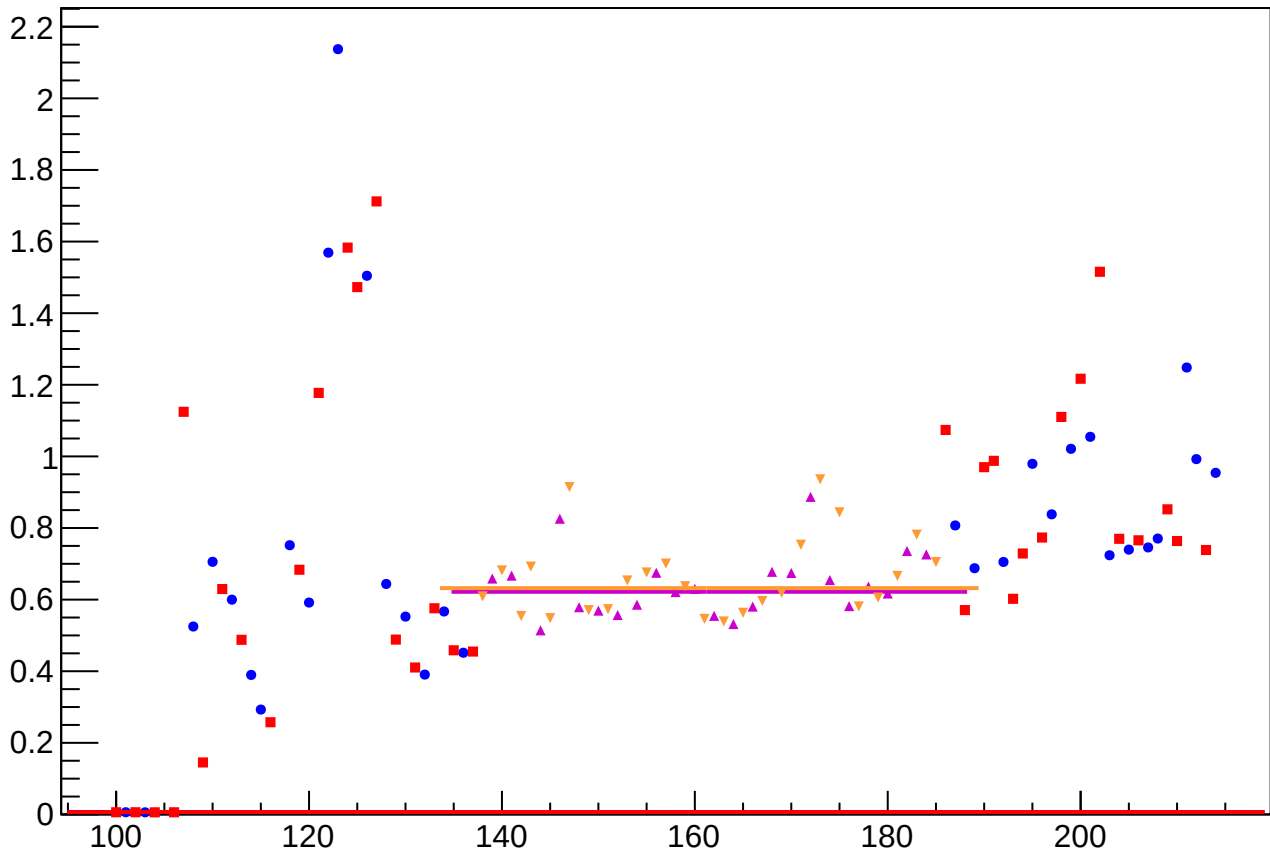
Left In: 145.773 $\pm$ 0.000 χ^2 /NDF: 207332354.9/22

+ sign 402.568 $\pm$ 0.000 χ^2 /NDF: 4218483943115.6

All: 402.498 $\pm$ 0.000 χ^2 /NDF: 106285275195

- sign 402.436 $\pm$ 0.000 χ^2 /NDF: 6409754550195.2

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 24807704.4/30

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:614155.9/24

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 53574644.0/55

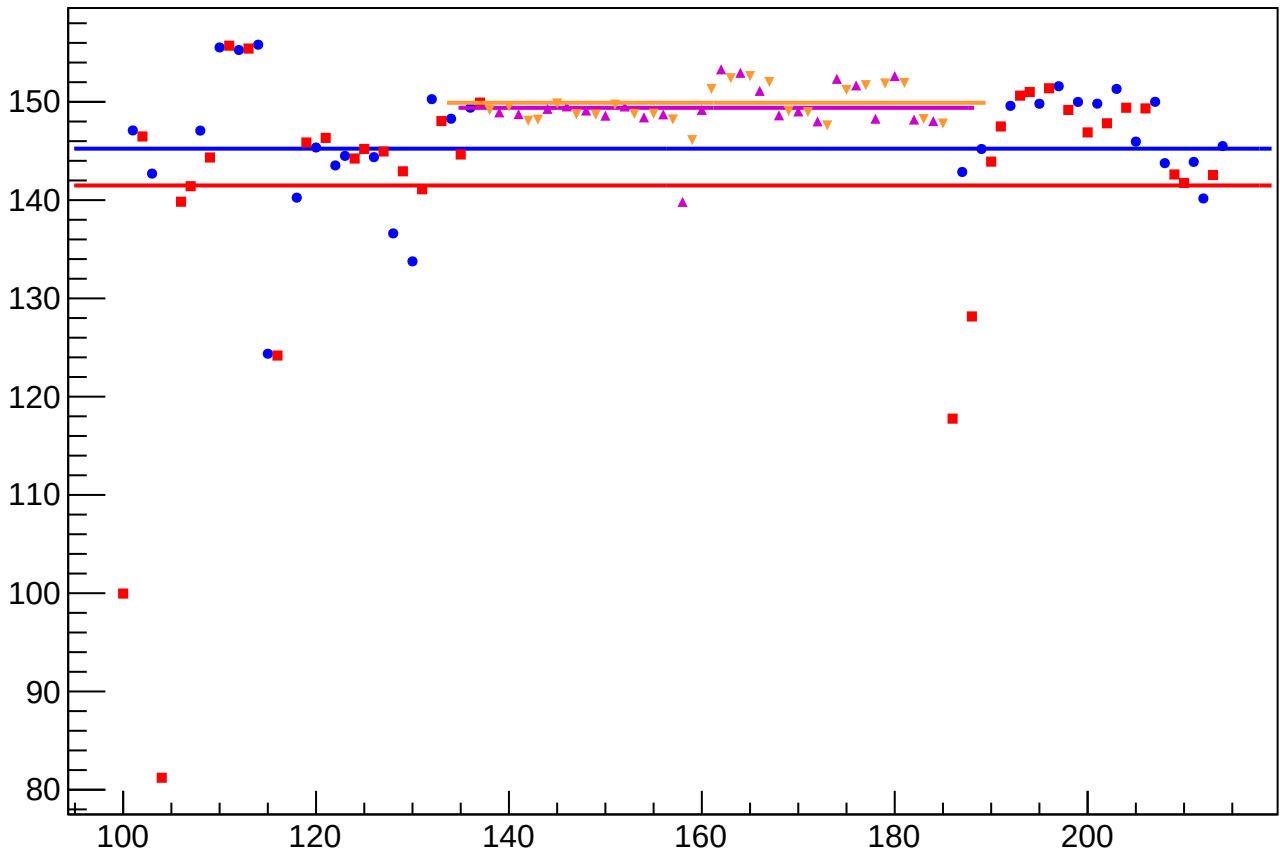
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 26266291.7/33

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 107150004.3/112

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 53574976.8/56

Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:404479.0/22

yield_cav4cQ_mean vs Slug



Right In: 145.237 $\pm$ 0.000 χ^2 /NDF: 1360301716.2/30

Left Out: 149.906 $\pm$ 0.000 χ^2 /NDF:163261802.4/24

Right Out: 141.491 $\pm$ 0.000 χ^2 /NDF: 3251497861.1/33

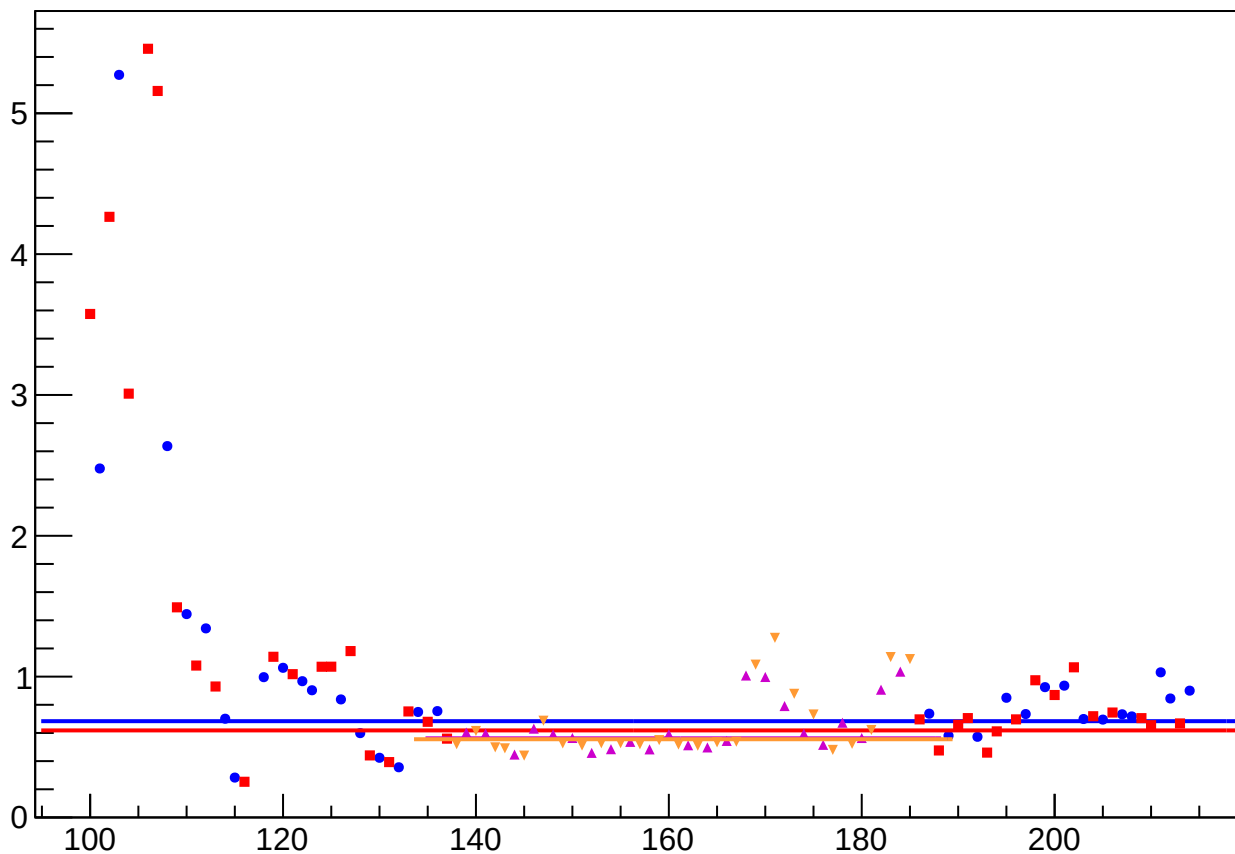
Left In: 149.391 $\pm$ 0.000 χ^2 /NDF:437129920.4/22

+ sign 148.381 $\pm$ 0.000 χ^2 /NDF: 1886206922.4/55

All: 147.312 $\pm$ 0.000 χ^2 /NDF: 6913556802.8

- sign 146.282 $\pm$ 0.000 χ^2 /NDF: 4857623642.0/56

yield_cav4cQ_rms vs Slug



Right In: 0.684 ± 0.000 χ^2/NDF : 4259601.8/30

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773380.1/24

Right Out: 0.618 ± 0.000 χ^2/NDF : 5583135.3/33

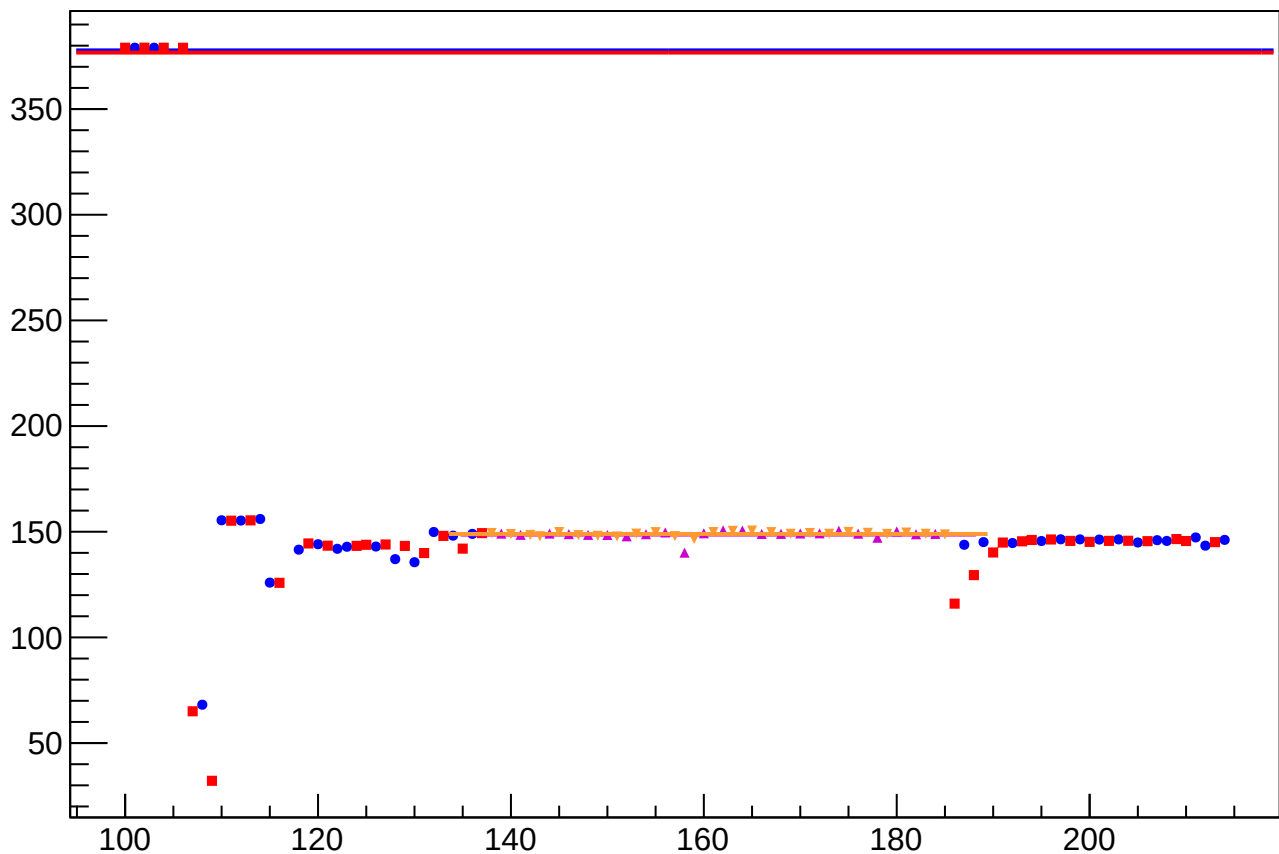
Left In: 0.562 ± 0.000 χ^2/NDF : 1311075.2/22

+ sign 0.597 ± 0.000 χ^2/NDF : 6580199.3/55

All: 0.591 ± 0.000 χ^2/NDF : 13605305.6/112

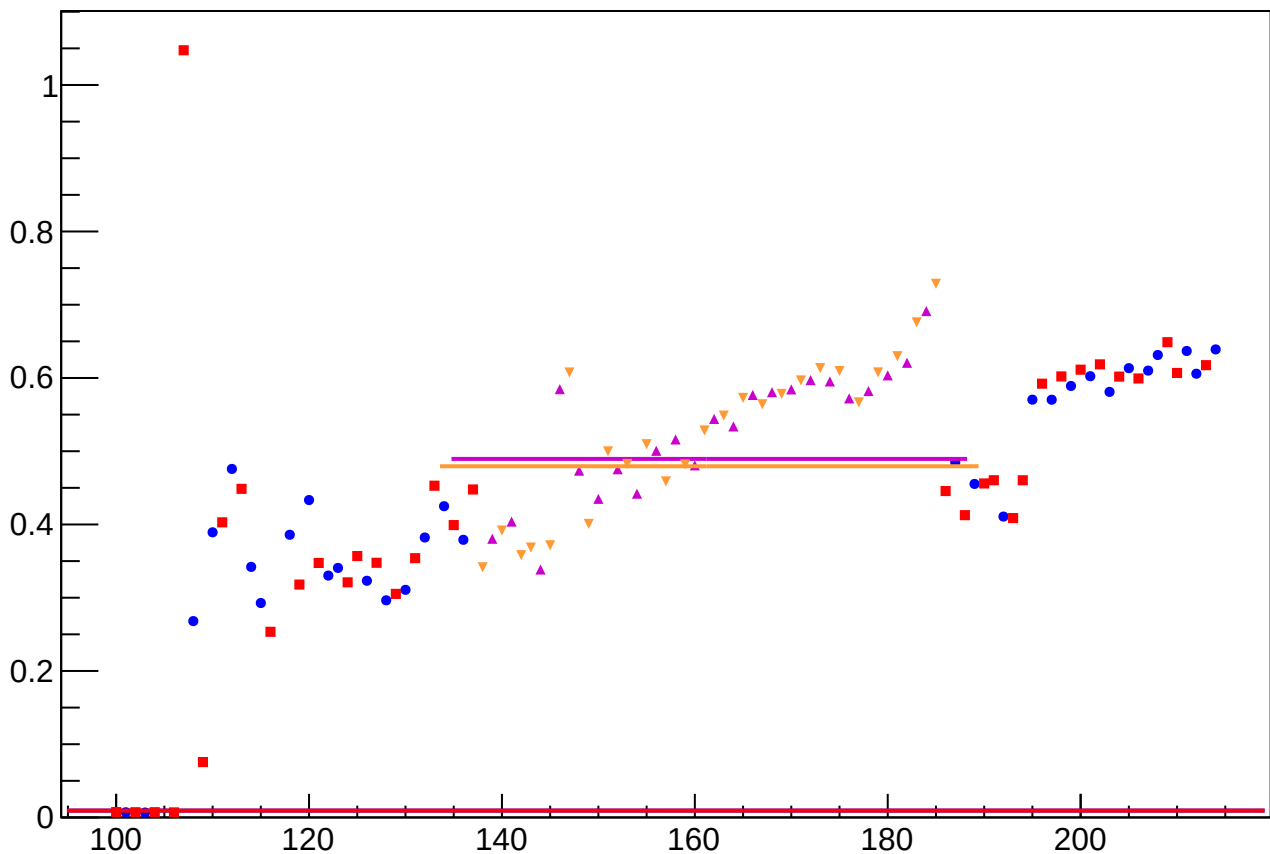
- sign 0.584 ± 0.000 χ^2/NDF : 7011718.4/56

yield_cav4dQ_mean vs Slug



Right In: 377.760 $\pm$ 0.000 χ^2 /NDF: 4126666900712.4/30
 Left Out: 148.946 $\pm$ 0.000 χ^2 /NDF: 63974844.7/24
 Right Out: 376.740 $\pm$ 0.000 χ^2 /NDF: 10248591637419.9/33
 Left In: 148.683 $\pm$ 0.000 χ^2 /NDF: 253848207.3/22
 + sign 376.484 $\pm$ 0.000 χ^2 /NDF: 8024226676696.0
 All: 376.073 $\pm$ 0.000 χ^2 /NDF: 218451098353
 - sign 375.711 $\pm$ 0.000 χ^2 /NDF: 13816619753887.8

yield_cav4dQ_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 28445005.5/30

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1518765.9/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 28673144.5/33

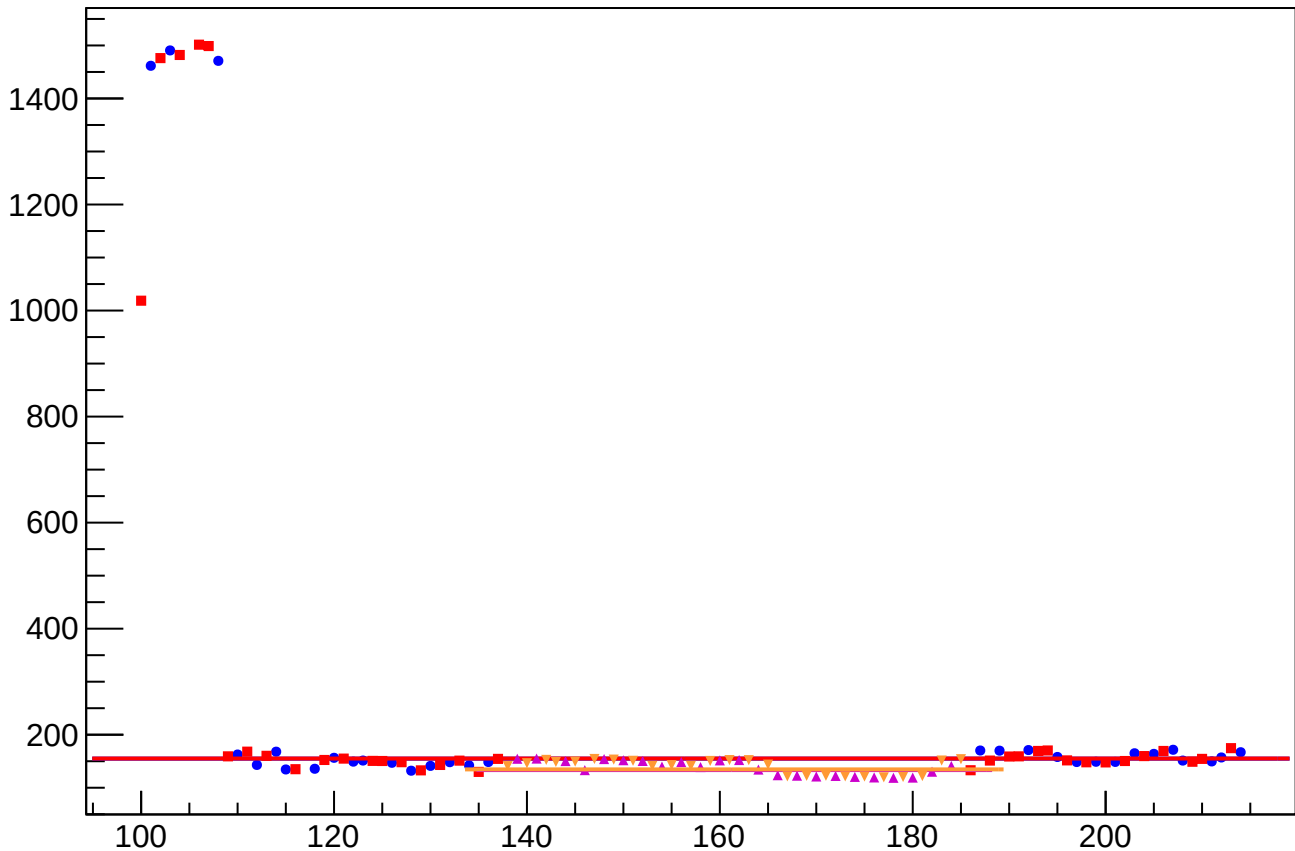
Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 62870153.3/55

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 124270819.5/112

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 61397311.7/56

yield_bcm0l02_mean vs Slug



Right In: 154.854+/-0.000 χ^2/NDF : 26033722719.9/30

Left Out: 134.585+/-0.000 χ^2/NDF : 4387324151.1/24

Right Out: 155.079+/-0.000 χ^2/NDF : 35198863848.3/33

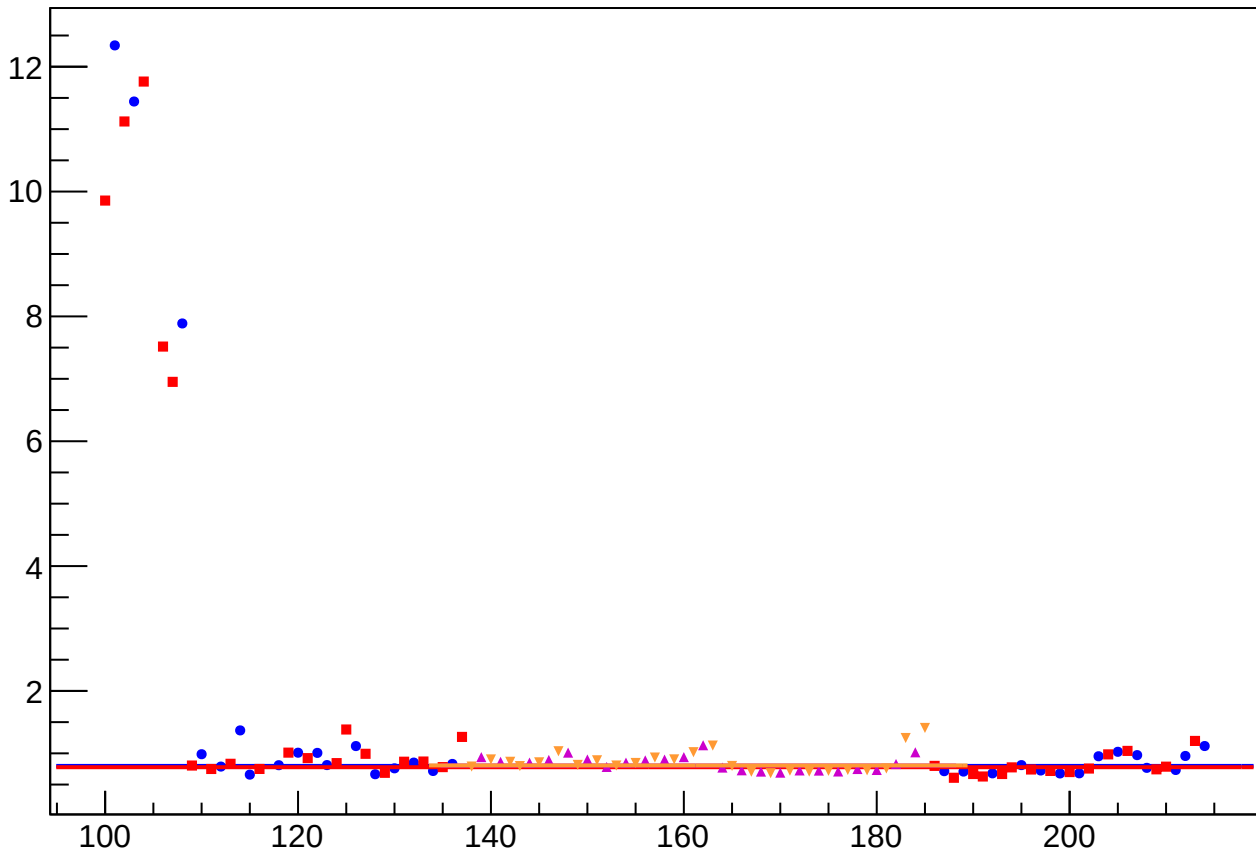
Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

+ sign 143.645+/-0.000 χ^2/NDF : 34780987365.8/55

All: 143.668+/-0.000 χ^2/NDF : 79518830104.

- sign 143.690+/-0.000 χ^2/NDF : 44737799496.2/56

yield_bcm0l02_rms vs Slug



Right In: 0.799 ± 0.000 χ^2/NDF : 3159483.5/30

Left Out: 0.807 ± 0.000 χ^2/NDF : 704181.3/24

Right Out: 0.778 ± 0.000 χ^2/NDF : 3447635.1/33

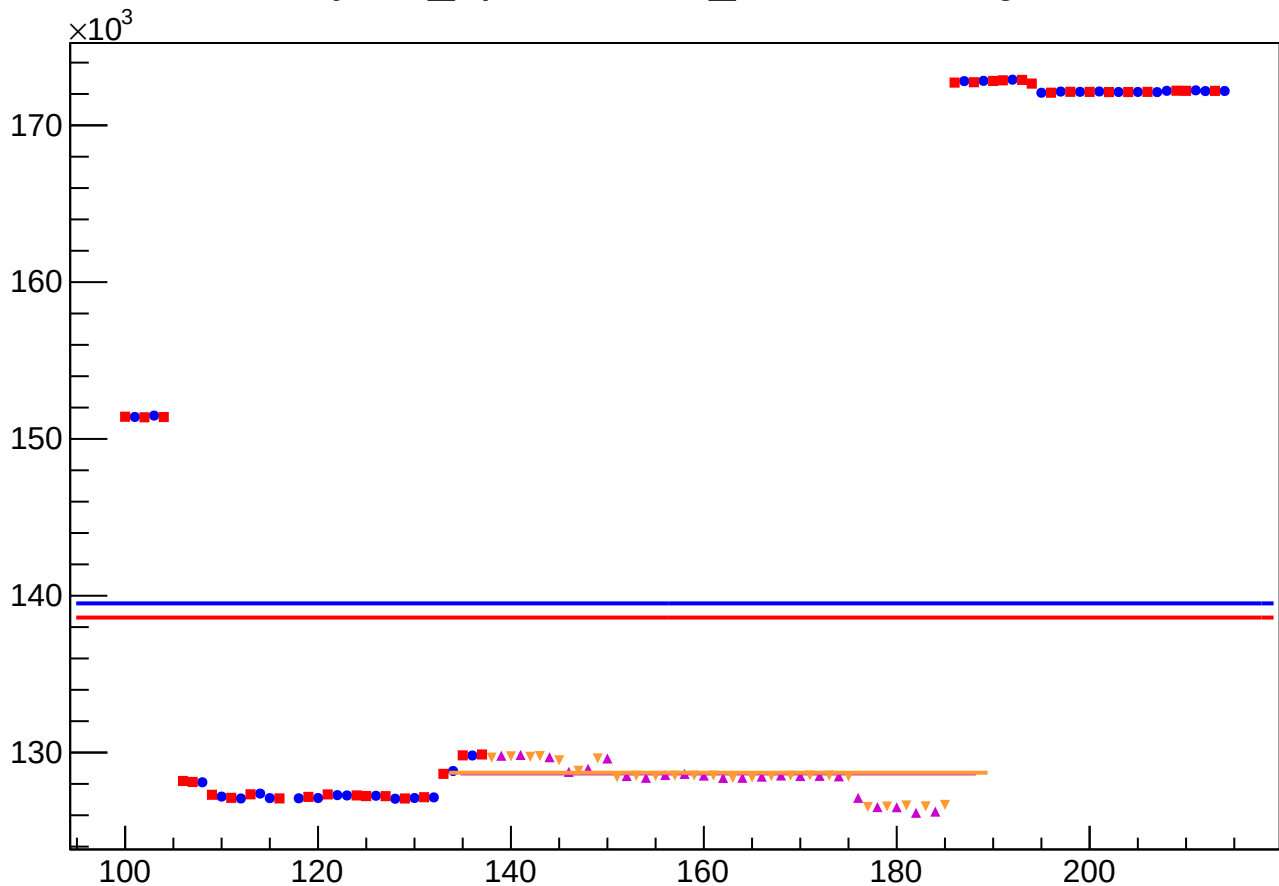
Left In: 0.805 ± 0.000 χ^2/NDF : 479689.4/22

+ sign 0.803 ± 0.000 χ^2/NDF : 3865021.2/55

All: 0.797 ± 0.000 χ^2/NDF : 7813423.5/112

- sign 0.792 ± 0.000 χ^2/NDF : 3942886.2/56

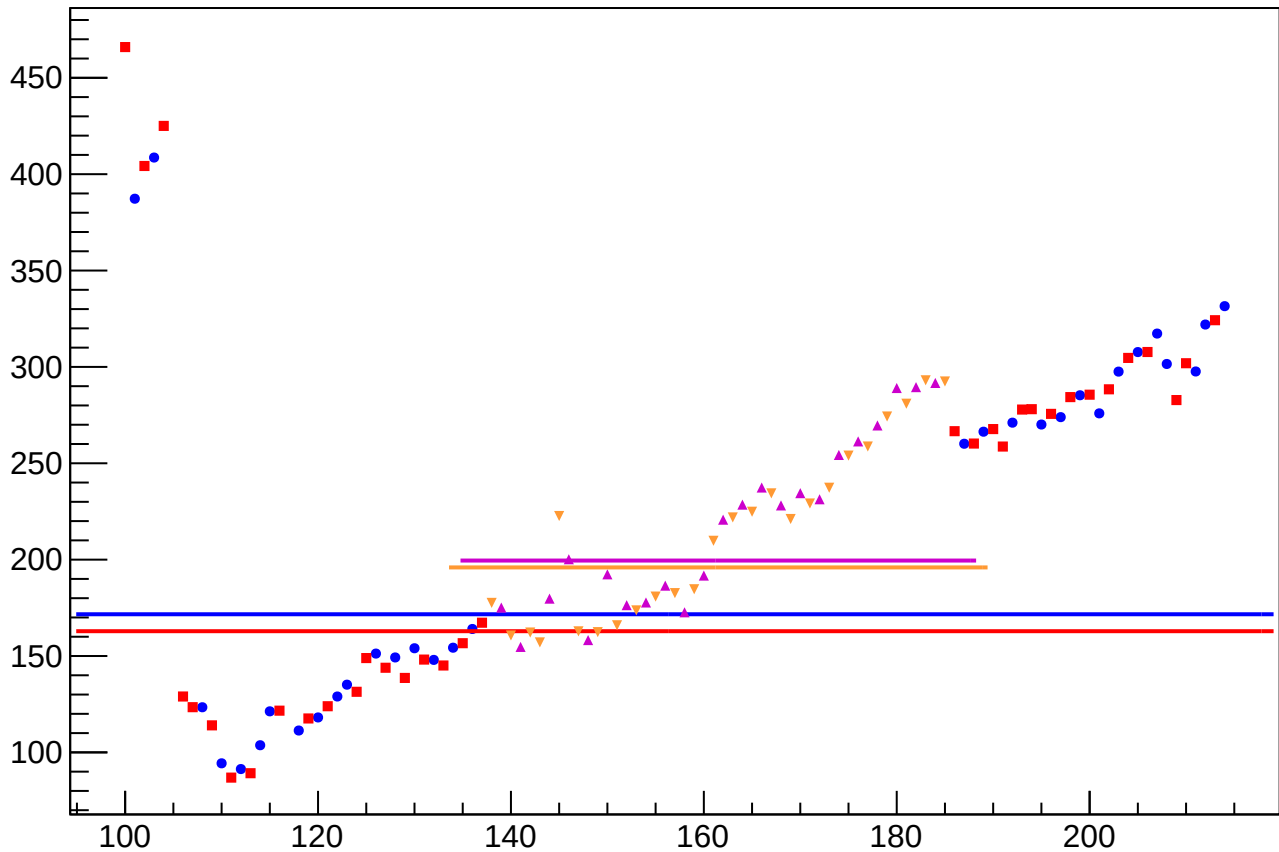
yield_bpm2i01WS_mean vs Slug



Right In: 139511.892 ± 0.047 $\chi^2/\text{NDF}: 174614870928.2/30$
 Left Out: 128713.791 ± 0.047 $\chi^2/\text{NDF}: 348293942.5/24$
 Right Out: 138608.247 ± 0.044 $\chi^2/\text{NDF}: 190821532311.4/33$
 Left In: 128670.094 ± 0.049 $\chi^2/\text{NDF}: 334875494.0/22$

+ sign 134071.415 ± 0.033 $\chi^2/\text{NDF}: 201545006179$
 All: 134118.651 ± 0.023 $\chi^2/\text{NDF}: 41560324$
 - sign 134164.584 ± 0.033 $\chi^2/\text{NDF}: 214054224455$

yield_bpm2i01WS_rms vs Slug



Right In: 171.665 $\pm$ 0.033 χ^2 /NDF: 6073096.1/30

Left Out: 195.964 $\pm$ 0.033 χ^2 /NDF:1316091.7/24

Right Out: 162.876 $\pm$ 0.031 χ^2 /NDF: 6449188.1/33

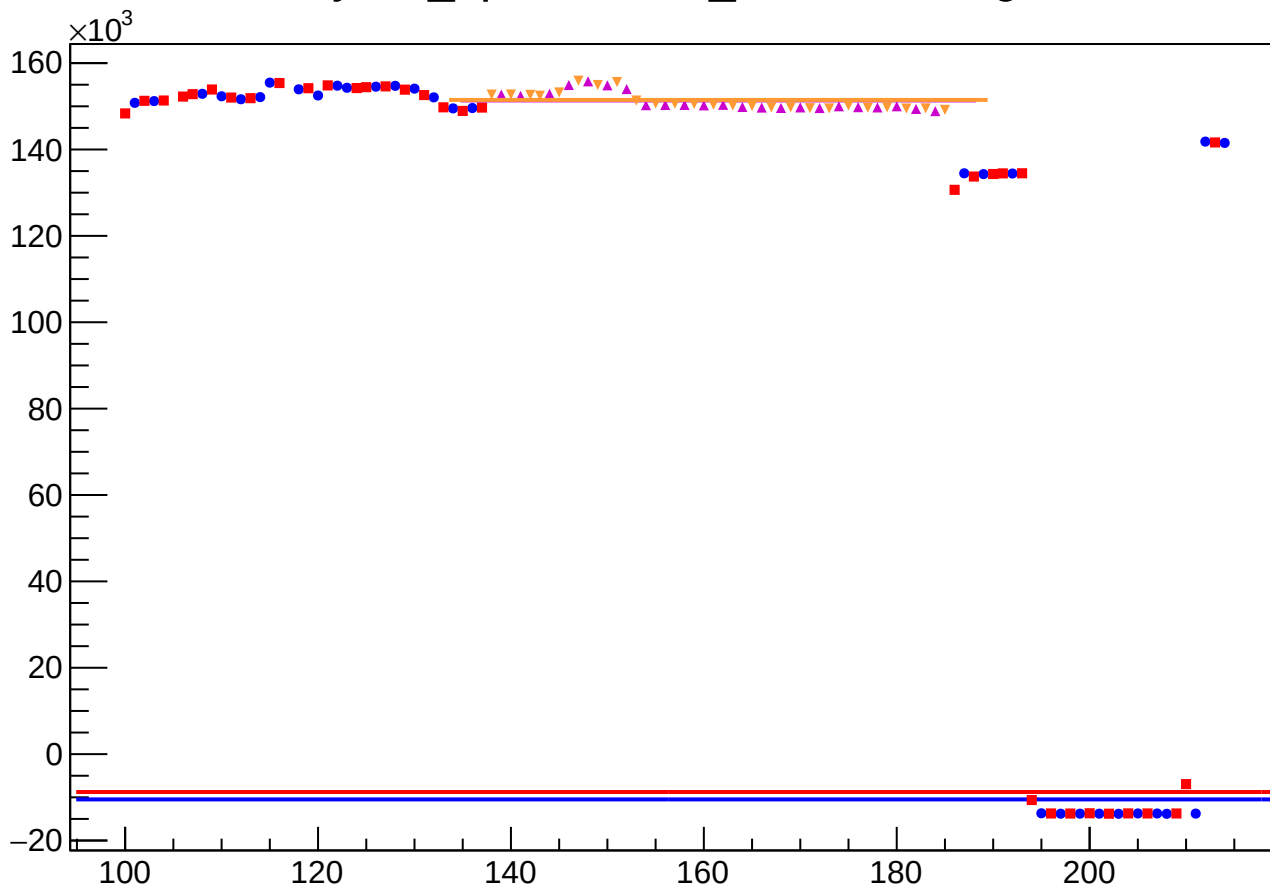
Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

+ sign 183.908 $\pm$ 0.023 χ^2 /NDF: 7658405.4/55

All: 181.554 $\pm$ 0.016 χ^2 /NDF: 15925866.5/1

- sign 179.266 $\pm$ 0.023 χ^2 /NDF: 8247535.0/56

yield_bpm0i07WS_mean vs Slug



Right In: -10481.581 ± 0.009

χ^2/NDF : 6228382775246.7/30

Left Out: 151480.339 ± 0.049

χ^2/NDF : 1483692735.3/24

Right Out: -8765.648 ± 0.010

χ^2/NDF : 7346482330308.8/33

Left In: 151362.440 ± 0.051

χ^2/NDF : 1426782789.9/22

+ sign -5077.447 ± 0.009

χ^2/NDF : 1659012063428

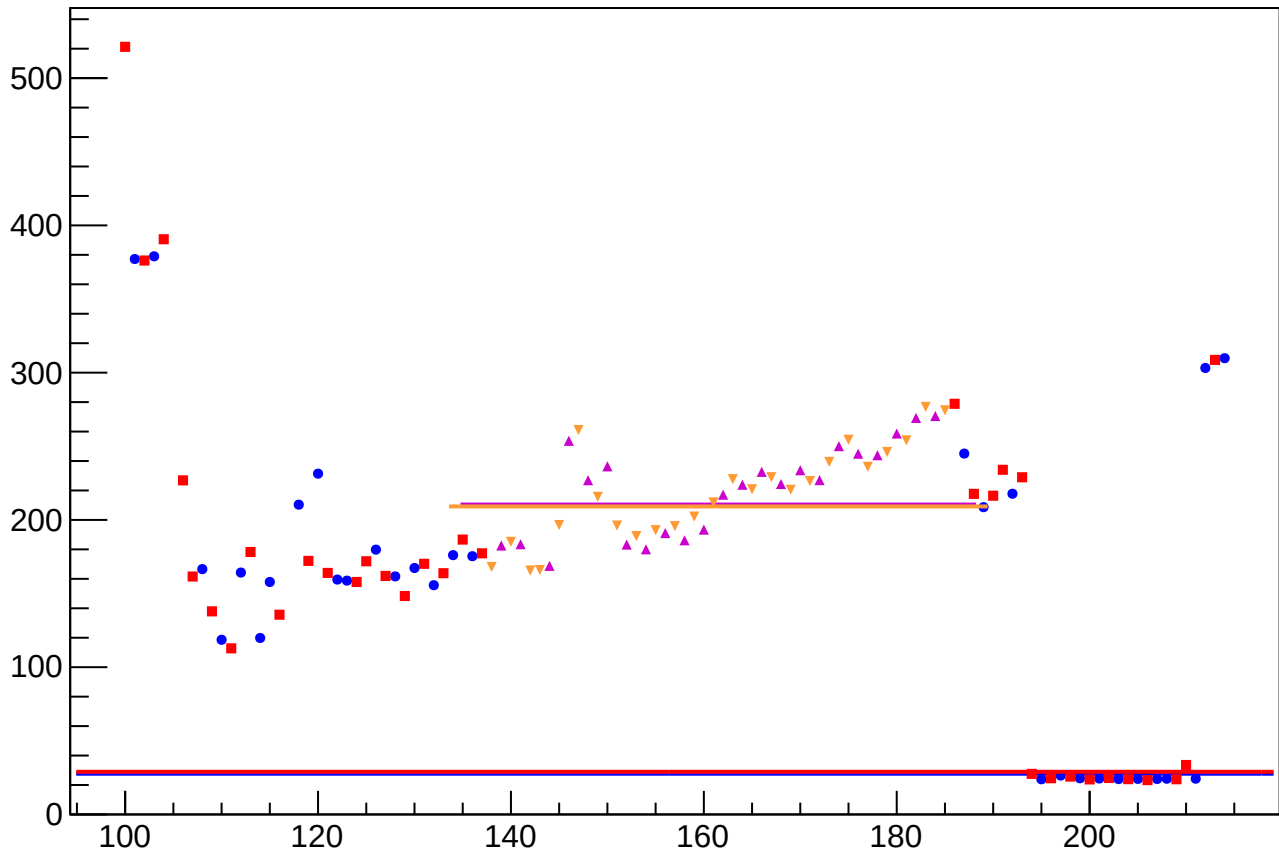
All: -4050.296 ± 0.007

χ^2/NDF : 3337622391

- sign -2826.190 ± 0.010

χ^2/NDF : 16757787470799

yield_bpm0i07WS_rms vs Slug



Right In: 27.680 $\pm$ 0.006 χ^2 /NDF: 13882137.9/30

Left Out: 209.156 $\pm$ 0.035 χ^2 /NDF: 710094.9/24

Right Out: 28.978 $\pm$ 0.007 χ^2 /NDF: 14742787.7/33

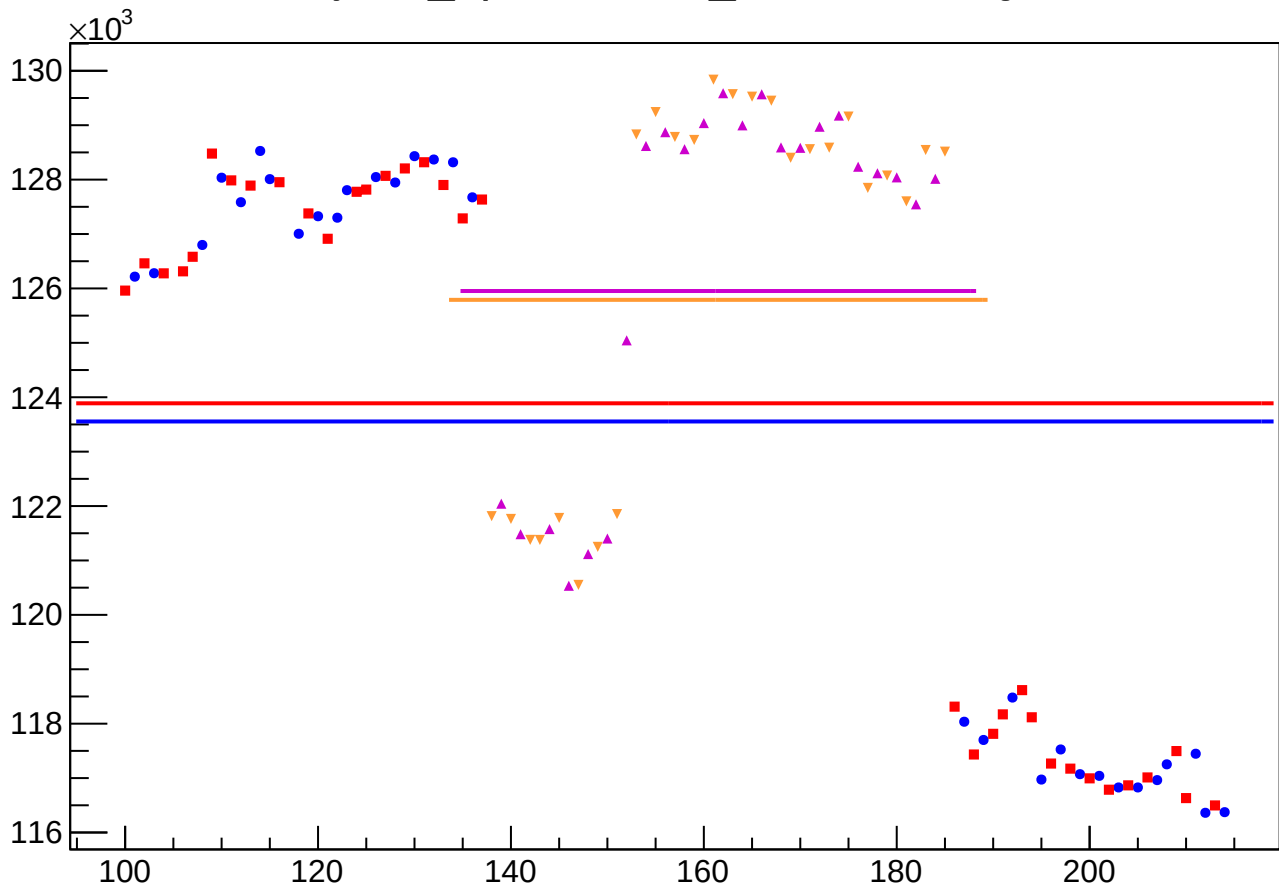
Left In: 210.431 $\pm$ 0.036 χ^2 /NDF: 684015.0/22

+ sign 33.735 $\pm$ 0.006 χ^2 /NDF: 40606496.1/55

All: 34.635 $\pm$ 0.005 χ^2 /NDF: 80242939.3/112

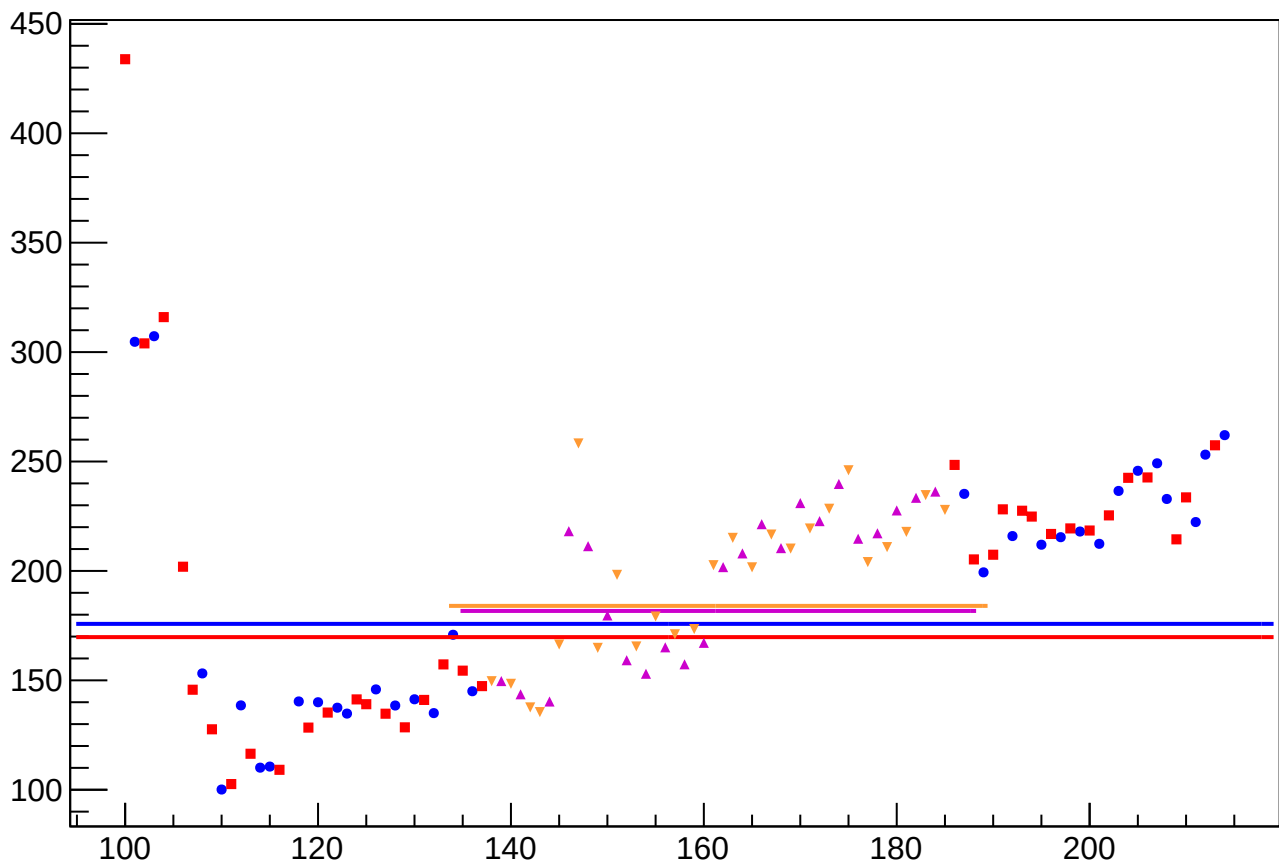
- sign 35.708 $\pm$ 0.007 χ^2 /NDF: 39592952.8/56

yield_bpm0l01WS_mean vs Slug



Right In: 123554.675 $\pm$ 0.045 χ^2 /NDF: 12979015288.9/30
 Left Out: 125790.126 $\pm$ 0.044 χ^2 /NDF: 6744310079.8/24
 Right Out: 123888.514 $\pm$ 0.043 χ^2 /NDF: 13543167095.1/33
 Left In: 125952.447 $\pm$ 0.045 χ^2 /NDF: 5841800367.5/22
 + sign 124708.404 $\pm$ 0.032 χ^2 /NDF: 20974574594.
 All: 124799.757 $\pm$ 0.022 χ^2 /NDF: 414771125
 - sign 124888.254 $\pm$ 0.031 χ^2 /NDF: 20486065515.6

yield_bpm0l01WS_rms vs Slug



Right In: 175.803 $\pm$ 0.032 χ^2 /NDF: 2614409.1/30

Left Out: 184.029 $\pm$ 0.031 χ^2 /NDF: 1126592.5/24

Right Out: 169.752 $\pm$ 0.031 χ^2 /NDF: 2985073.5/33

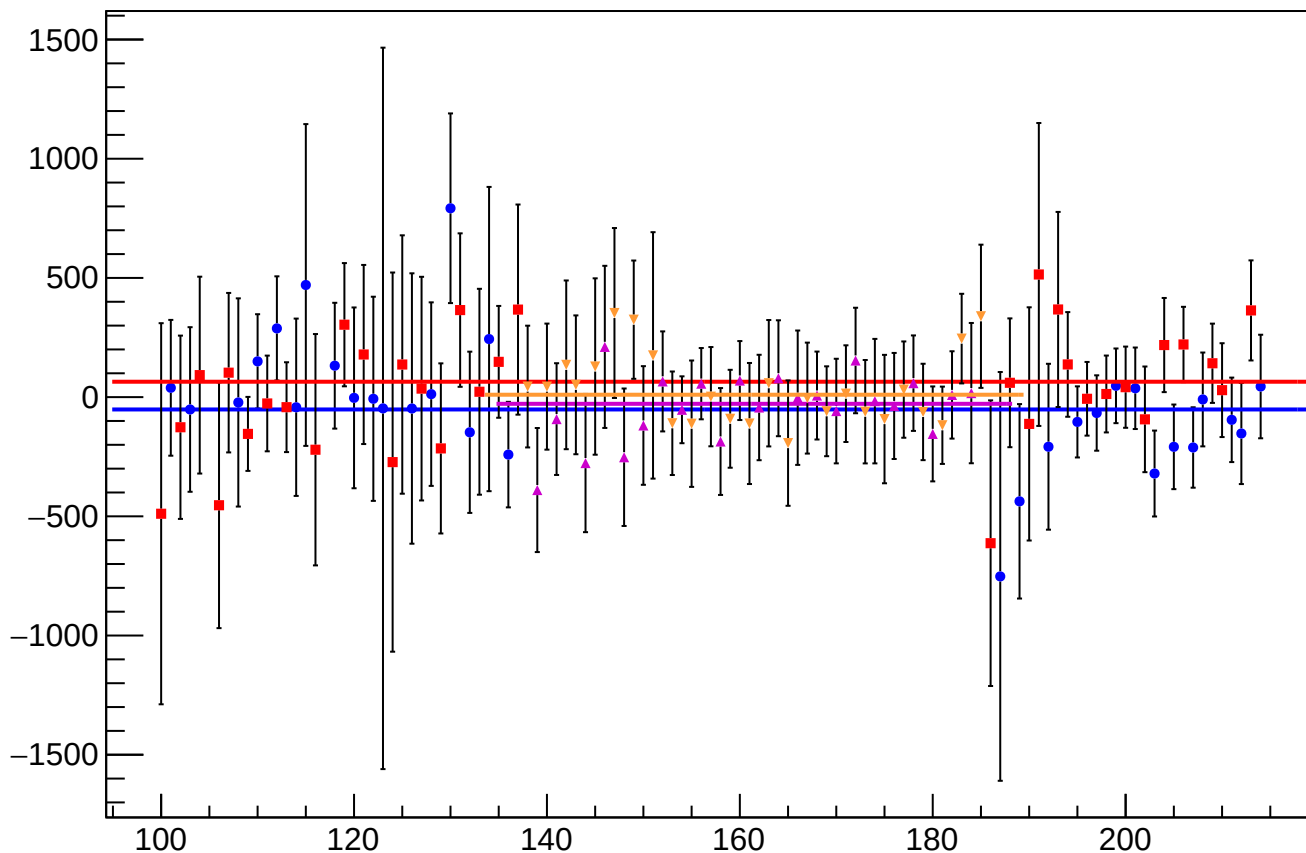
Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

+ sign 180.049 $\pm$ 0.022 χ^2 /NDF: 3774889.8/55

All: 177.762 $\pm$ 0.016 χ^2 /NDF: 7970724.9/112

- sign 175.546 $\pm$ 0.022 χ^2 /NDF: 4175188.0/56

asym_bcm_an_ds_mean vs Slug



Right In: -51.736 ± 43.382 χ^2/NDF : 17.2/30

Left Out: 10.078 ± 47.488 χ^2/NDF : 8.5/24

Right Out: 64.601 ± 43.075 χ^2/NDF : 15.1/33

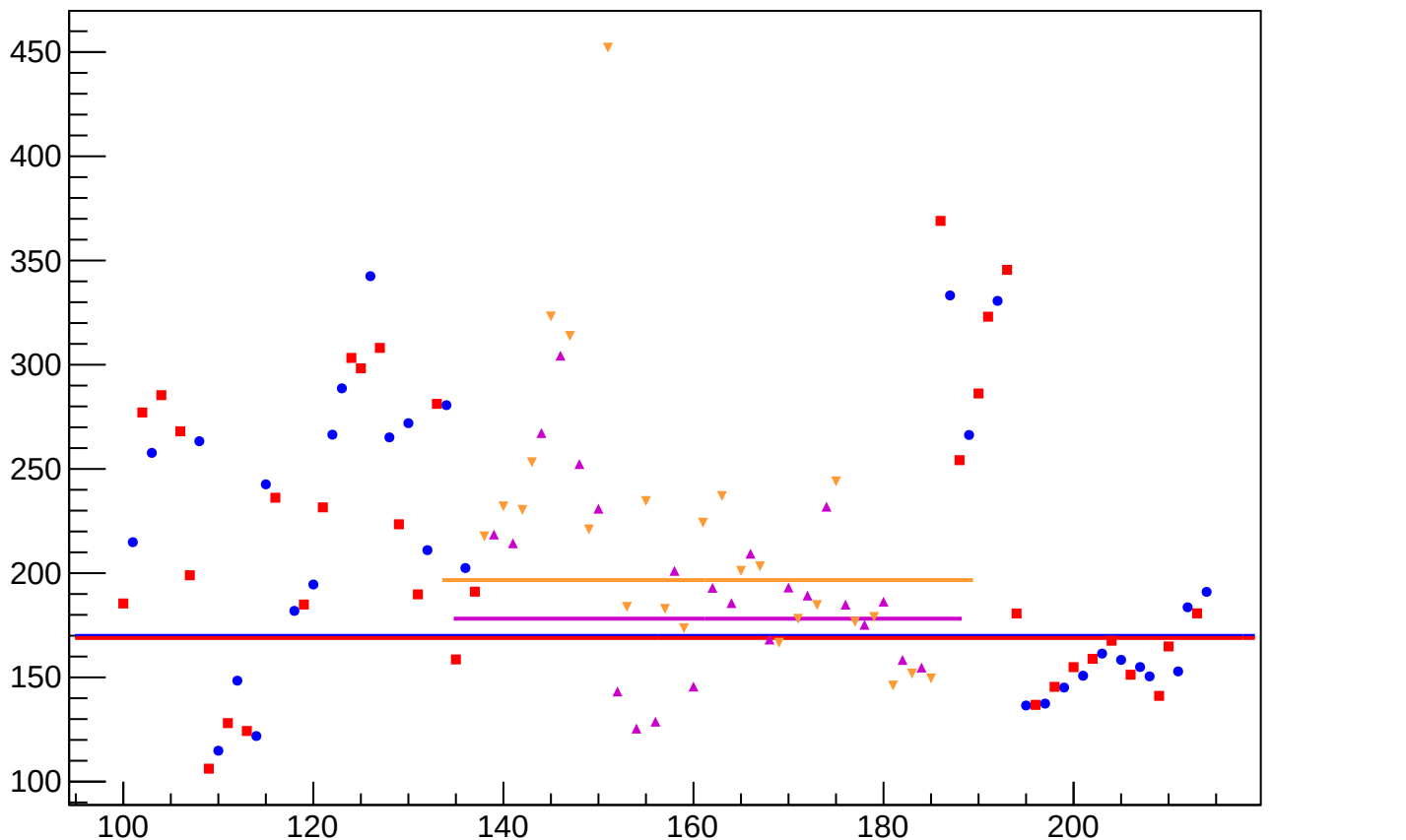
Left In: -28.050 ± 44.573 χ^2/NDF : 7.0/22

+ sign -23.616 ± 32.029 χ^2/NDF : 26.6/55

All: -1.152 ± 22.266 χ^2/NDF : 51.9/112

- sign 19.858 ± 30.975 χ^2/NDF : 24.3/56

asym_bcm_an_ds_rms vs Slug



Right In: 169.903 $\pm$ 0.031 χ^2 /NDF: 2165402.8/30

Left Out: 196.682 $\pm$ 0.034 χ^2 /NDF:1782715.7/24

Right Out: 168.923 $\pm$ 0.030 χ^2 /NDF: 2846104.4/33

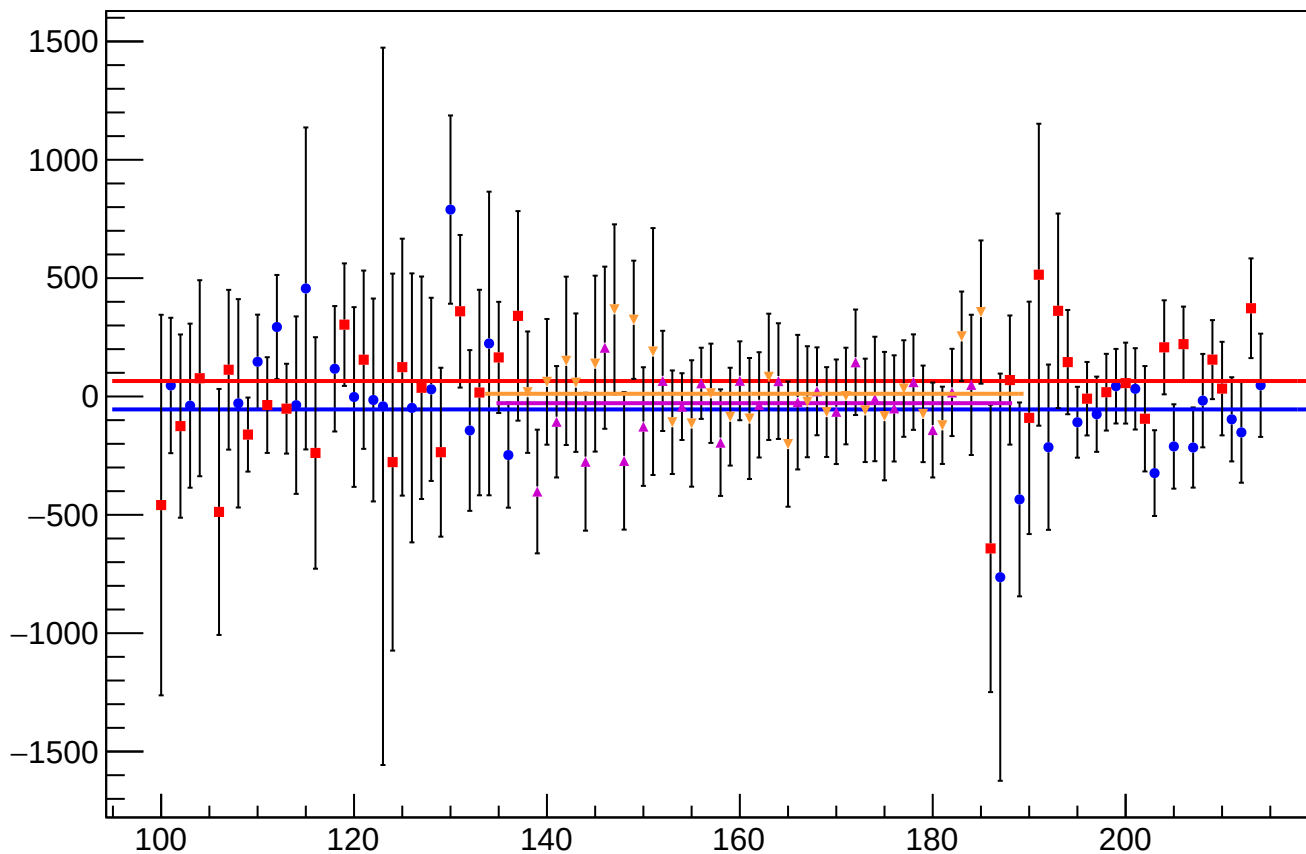
Left In: 178.166 $\pm$ 0.032 χ^2 /NDF:1618967.9/22

+ sign 182.085 $\pm$ 0.023 χ^2 /NDF: 4294783.7/55

All: 177.590 $\pm$ 0.016 χ^2 /NDF: 8880535.1/112

- sign 173.387 $\pm$ 0.022 χ^2 /NDF: 4509535.6/56

asym_bcm_an_ds3_mean vs Slug



Right In: -54.639 ± 43.578 χ^2/NDF : 17.2/30

Left Out: 11.479 ± 47.819 χ^2/NDF : 8.8/24

Right Out: 65.342 ± 43.285 χ^2/NDF : 15.5/33

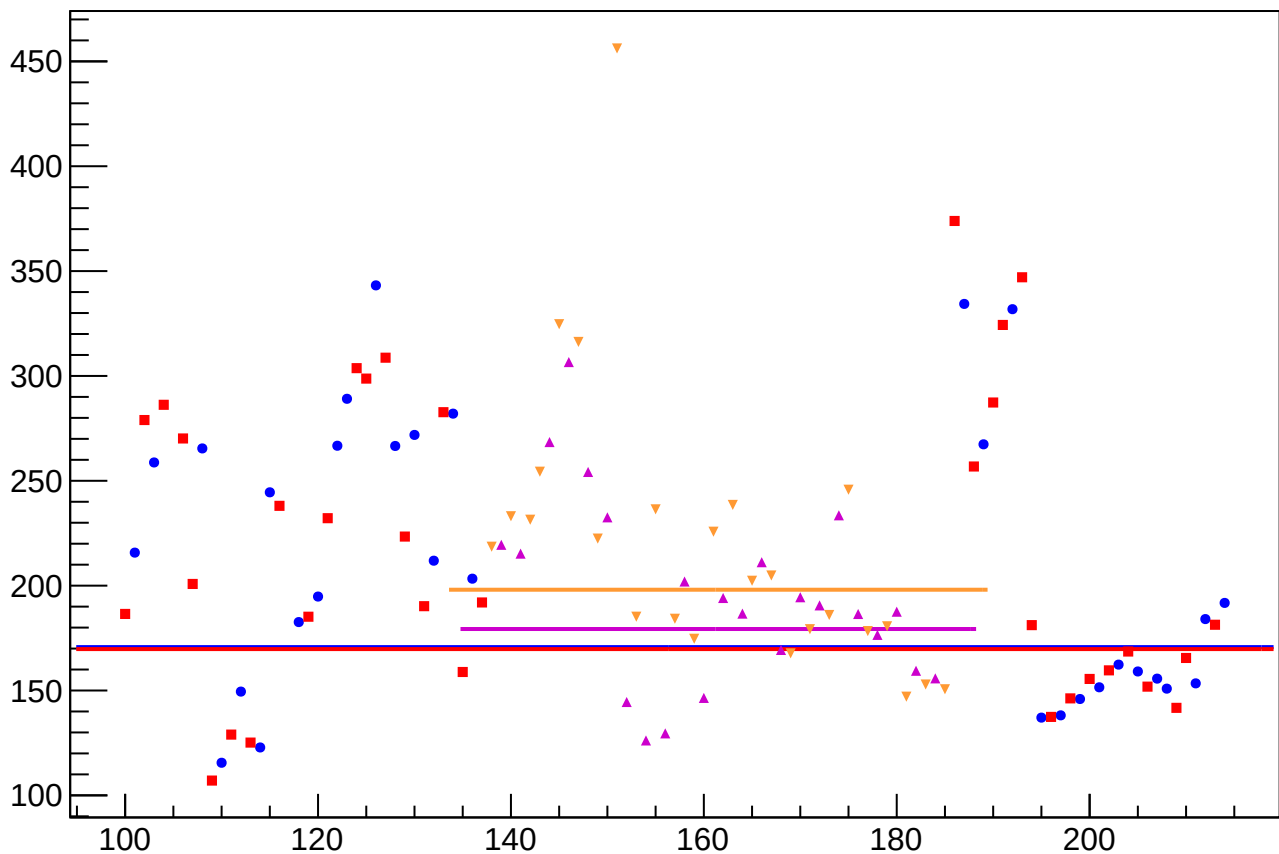
Left In: -28.280 ± 44.863 χ^2/NDF : 7.1/22

+ sign -24.641 ± 32.210 χ^2/NDF : 27.1/55

All: -1.467 ± 22.392 χ^2/NDF : 52.9/112

- sign 20.207 ± 31.150 χ^2/NDF : 24.9/56

asym_bcm_an_ds3_rms vs Slug



Right In: 170.693 $\pm$ 0.031 χ^2 /NDF: 2156750.5/30

Left Out: 198.059 $\pm$ 0.034 χ^2 /NDF:1778526.5/24

Right Out: 169.754 $\pm$ 0.031 χ^2 /NDF: 2841927.4/33

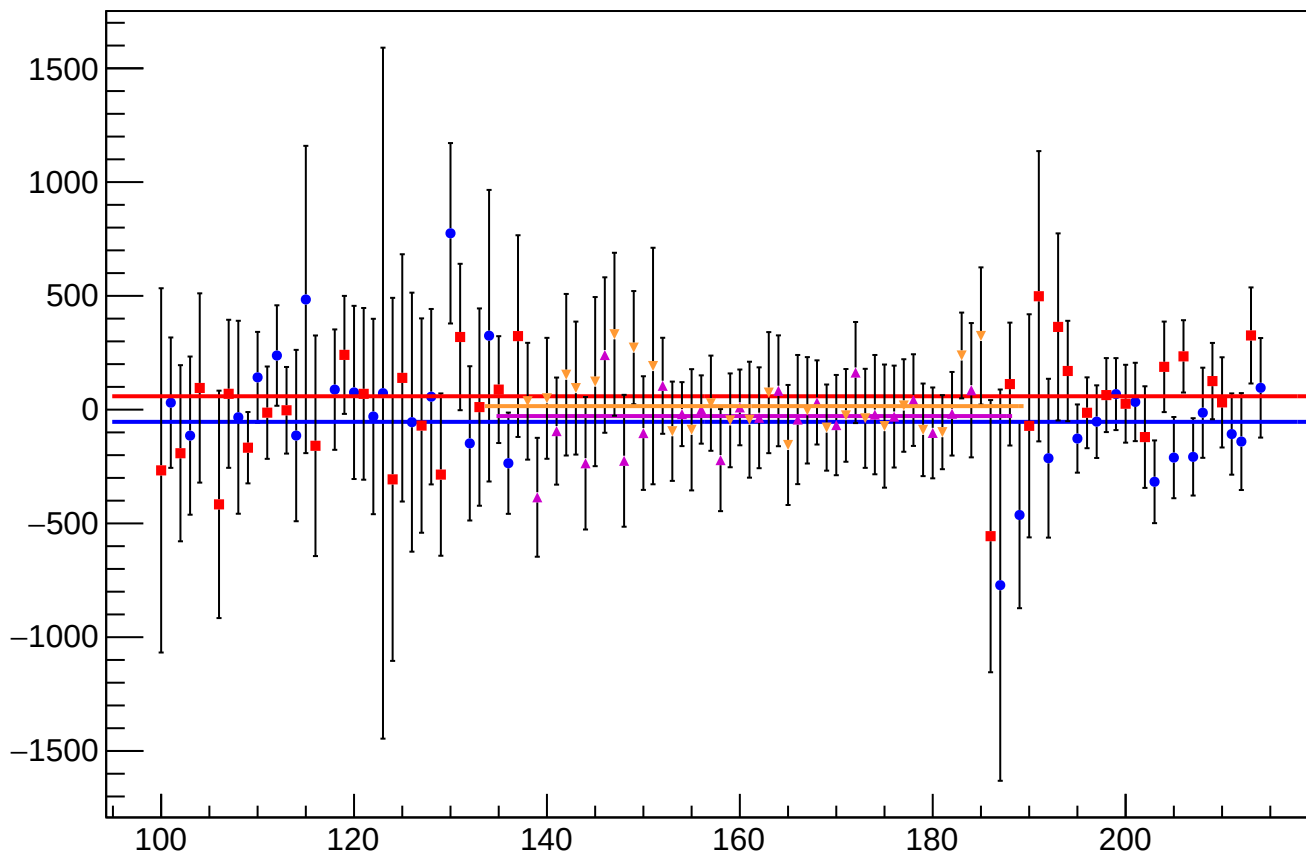
Left In: 179.324 $\pm$ 0.032 χ^2 /NDF:1618266.2/22

+ sign 183.109 $\pm$ 0.023 χ^2 /NDF: 4293096.4/55

All: 178.592 $\pm$ 0.016 χ^2 /NDF: 8876545.7/112

- sign 174.367 $\pm$ 0.022 χ^2 /NDF: 4507328.1/56

asym_bcm_an_us_mean vs Slug



Right In: -53.663 ± 43.665 $\chi^2/\text{NDF}: 16.9/30$

Left Out: 15.437 ± 47.695 $\chi^2/\text{NDF}: 7.0/24$

Right Out: 58.799 ± 43.315 $\chi^2/\text{NDF}: 13.5/33$

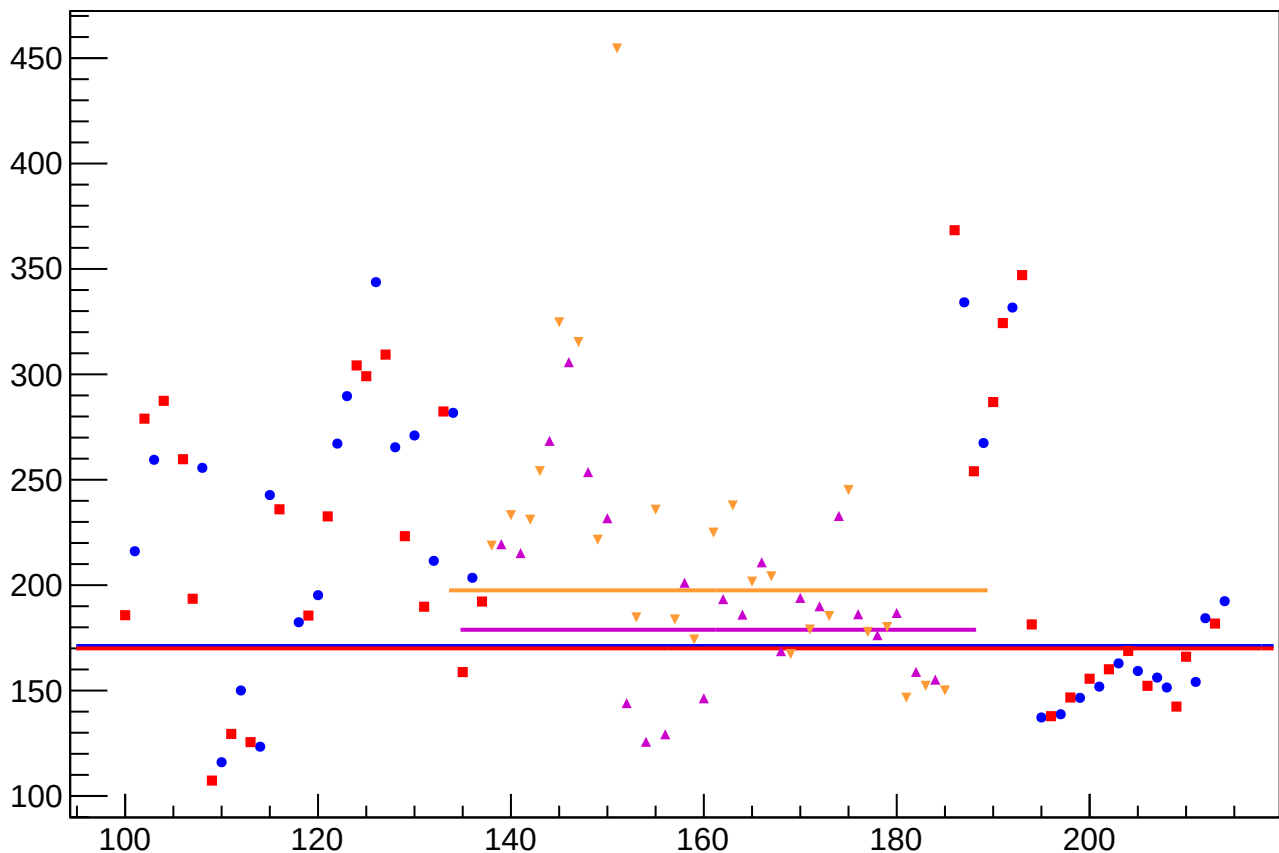
Left In: -28.277 ± 44.743 $\chi^2/\text{NDF}: 6.4/22$

+ sign -22.155 ± 32.206 $\chi^2/\text{NDF}: 25.0/55$

All: -2.076 ± 22.380 $\chi^2/\text{NDF}: 47.6/112$

- sign 16.673 ± 31.121 $\chi^2/\text{NDF}: 21.9/56$

asym_bcm_an_us_rms vs Slug



Right In: 171.122 $\pm$ 0.031 χ^2 /NDF: 2124230.5/30

Left Out: 197.527 $\pm$ 0.034 χ^2 /NDF:1784225.5/24

Right Out: 170.001 $\pm$ 0.031 χ^2 /NDF: 2794372.0/33

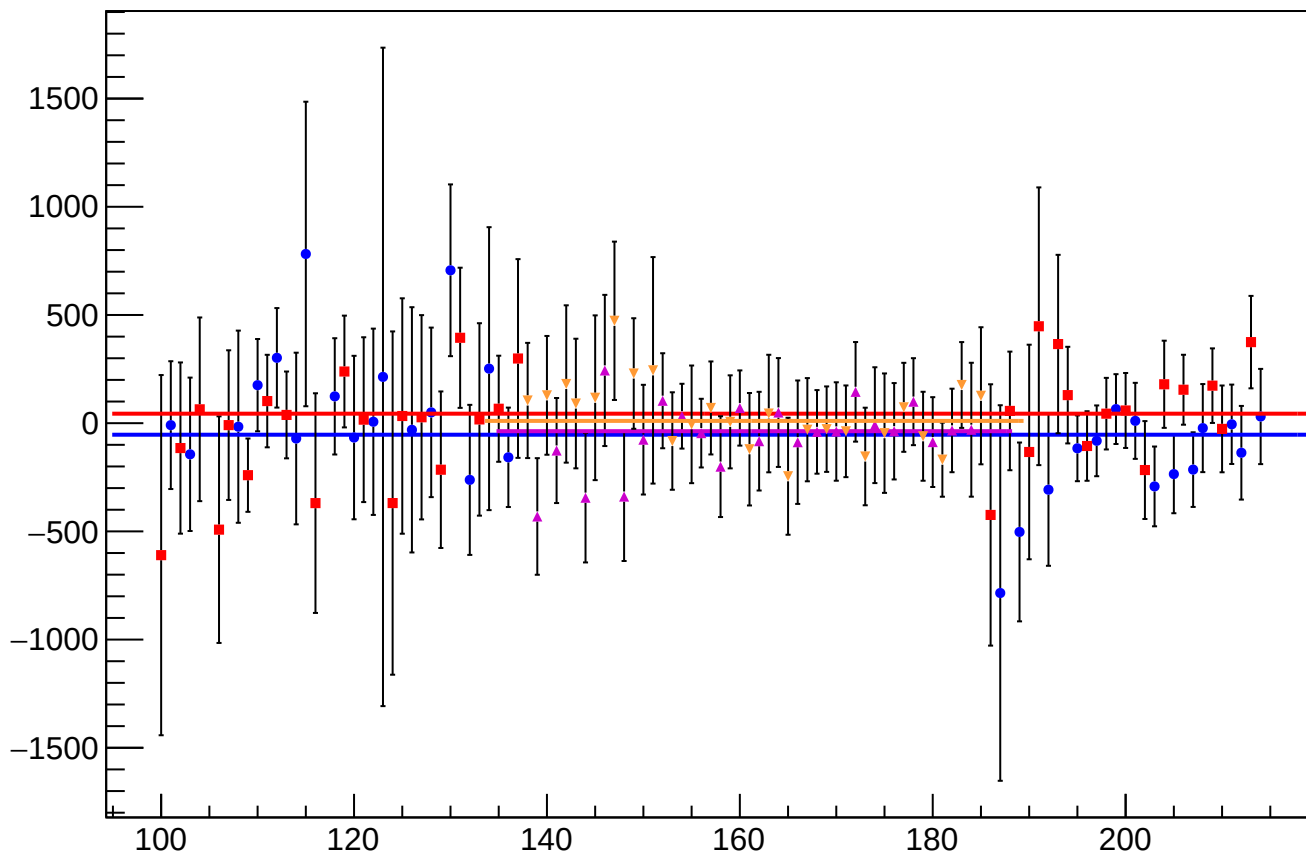
Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

+ sign 183.162 $\pm$ 0.023 χ^2 /NDF: 4241943.4/55

All: 178.566 $\pm$ 0.016 χ^2 /NDF: 8777598.3/112

- sign 174.275 $\pm$ 0.022 χ^2 /NDF: 4456894.5/56

asym_bcm_dg_us_mean vs Slug



Right In: -53.327 ± 44.619 χ^2/NDF : 17.3/30

Left Out: 10.534 ± 49.197 χ^2/NDF : 7.5/24

Right Out: 43.876 ± 44.457 χ^2/NDF : 16.3/33

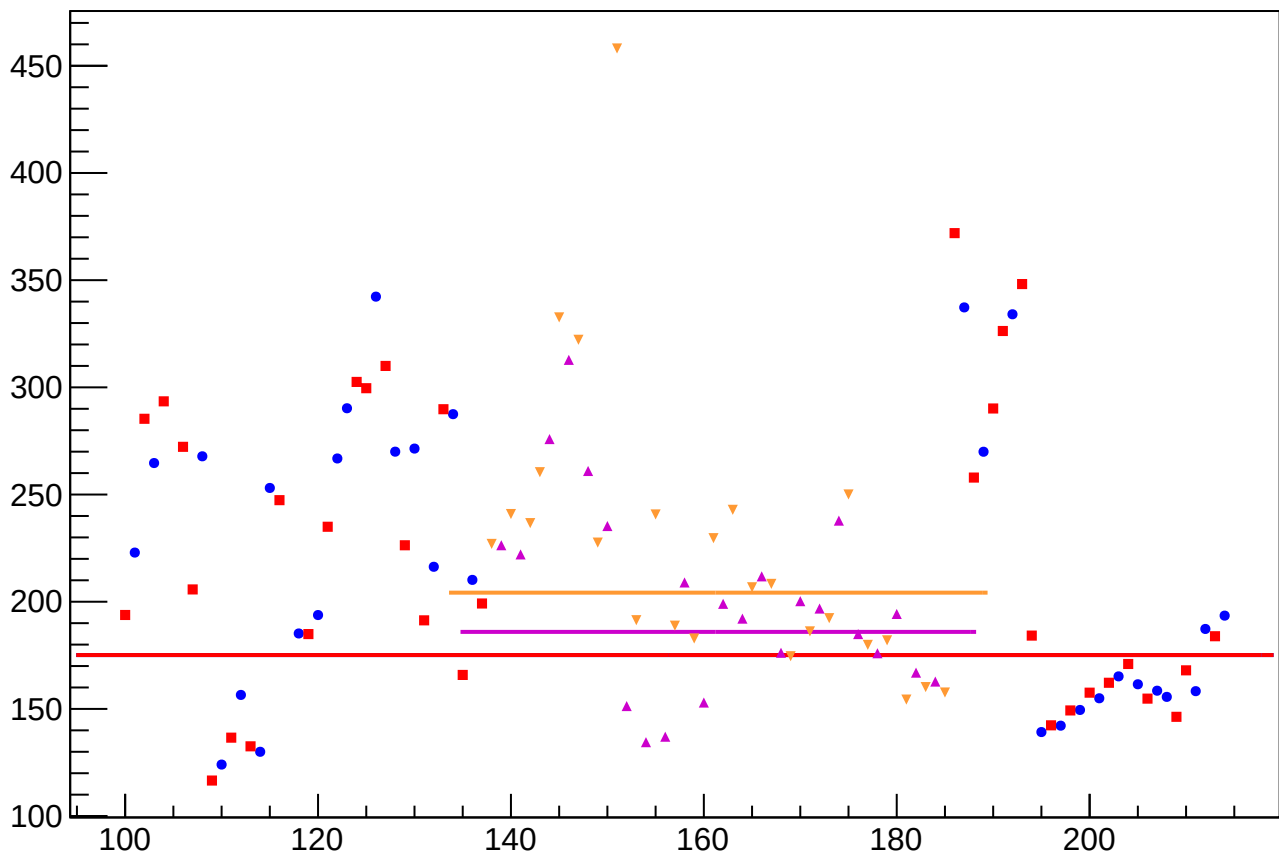
Left In: -37.000 ± 46.358 χ^2/NDF : 7.9/22

+ sign -24.505 ± 33.050 χ^2/NDF : 25.7/55

All: -9.249 ± 23.022 χ^2/NDF : 51.9/112

- sign 5.130 ± 32.087 χ^2/NDF : 25.8/56

asym_bcm_dg_us_rms vs Slug



Right In: 175.119 ± 0.032 χ^2/NDF : 2043694.4/30

Left Out: 204.236 ± 0.035 χ^2/NDF : 1675666.0/24

Right Out: 175.125 ± 0.031 χ^2/NDF : 2612014.6/33

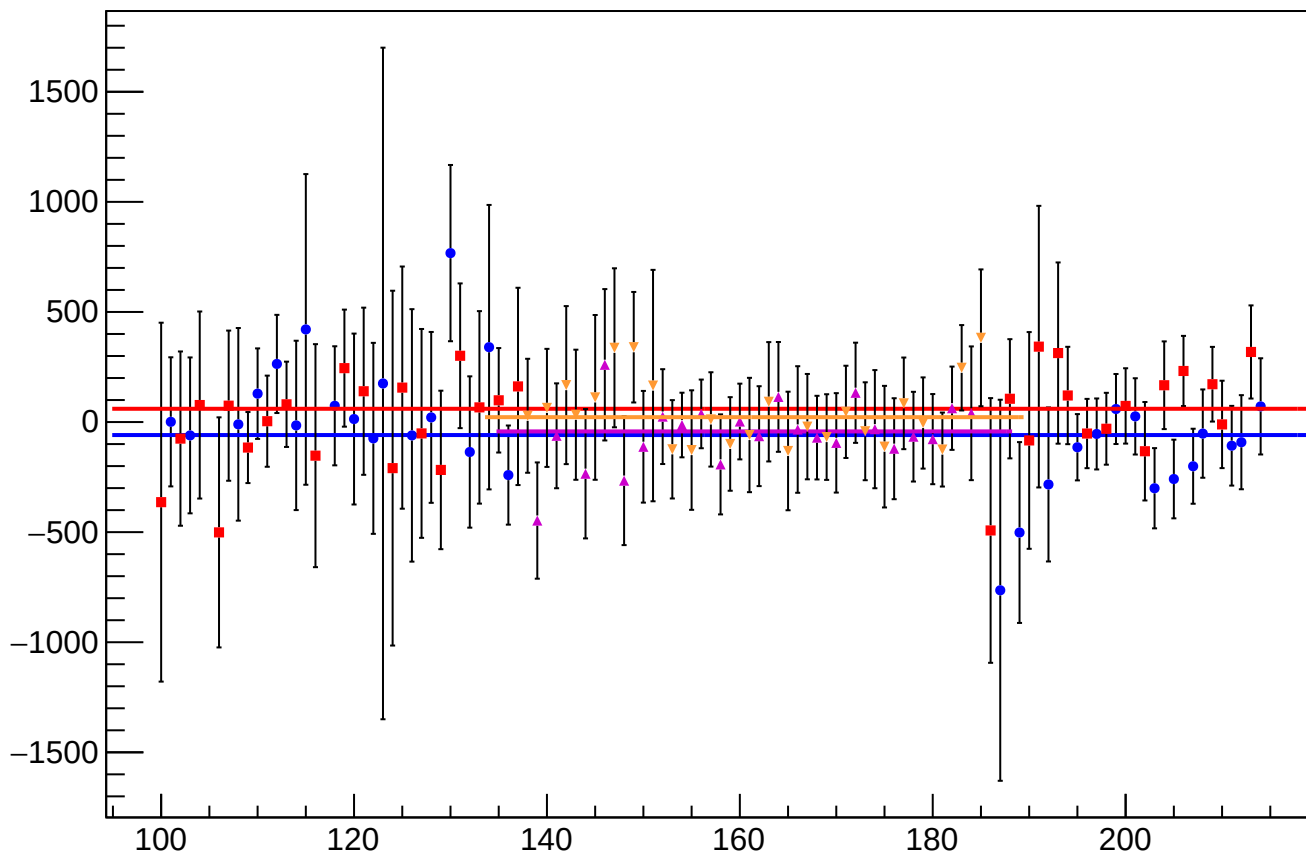
Left In: 185.931 ± 0.033 χ^2/NDF : 1460065.0/22

+ sign 188.260 ± 0.023 χ^2/NDF : 4103754.3/55

All: 184.163 ± 0.016 χ^2/NDF : 8292132.3/112

- sign 180.302 ± 0.023 χ^2/NDF : 4128692.5/56

asym_bcm_dg_ds_mean vs Slug



Right In: -59.030 ± 44.061 χ^2/NDF : 16.5/30

Left Out: 22.189 ± 48.738 χ^2/NDF : 8.4/24

Right Out: 60.298 ± 43.775 χ^2/NDF : 11.6/33

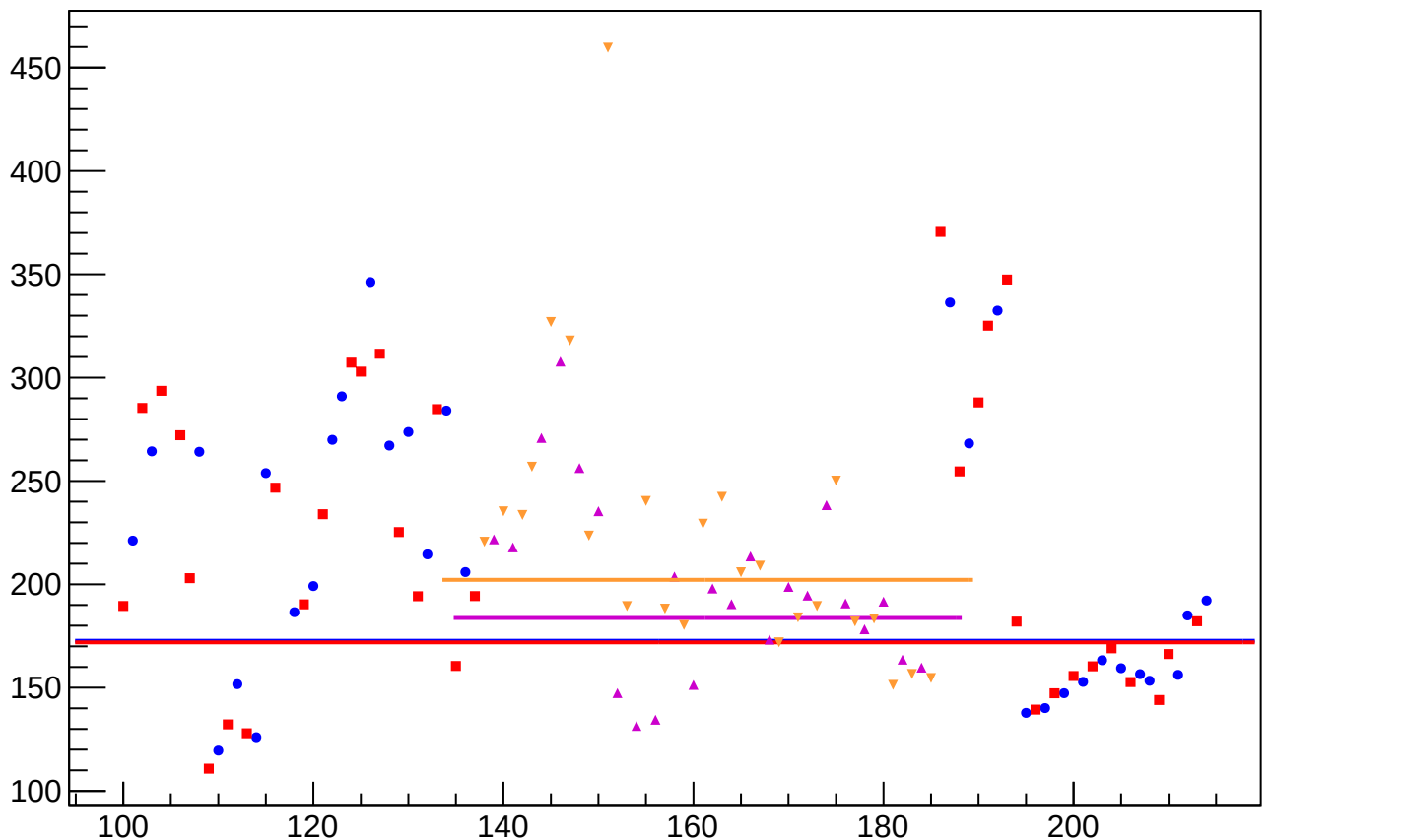
Left In: -42.446 ± 45.861 χ^2/NDF : 6.7/22

+ sign -22.504 ± 32.685 χ^2/NDF : 26.4/55

All: -5.058 ± 22.743 χ^2/NDF : 47.9/112

- sign 11.315 ± 31.665 χ^2/NDF : 21.0/56

asym_bcm_dg_ds_rms vs Slug



Right In: 172.696 $\pm$ 0.031 χ^2 /NDF: 2127699.1/30

Left Out: 202.186 $\pm$ 0.034 χ^2 /NDF: 1696571.9/24

Right Out: 171.940 $\pm$ 0.031 χ^2 /NDF: 2773057.3/33

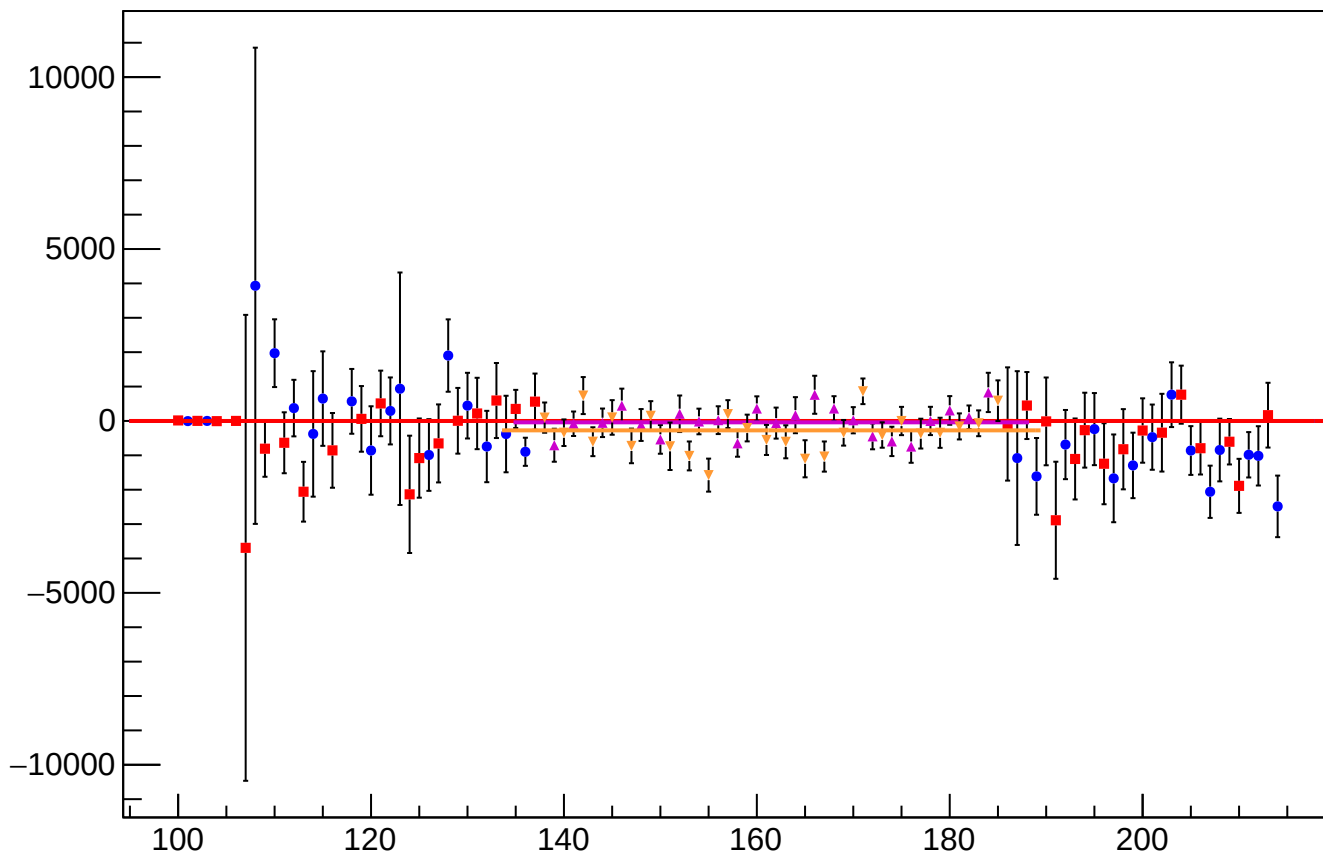
Left In: 183.732 $\pm$ 0.032 χ^2 /NDF: 1495930.4/22

+ sign 185.959 $\pm$ 0.023 χ^2 /NDF: 4227179.4/55

All: 181.627 $\pm$ 0.016 χ^2 /NDF: 8633454.3/112

- sign 177.562 $\pm$ 0.022 χ^2 /NDF: 4338181.4/56

asym_cav4bQ_mean vs Slug



Right In: -1.617 ± 2.251 χ^2/NDF : 45.1/30

Left Out: -273.664 ± 86.869 χ^2/NDF : 38.3/24

Right Out: -0.767 ± 2.111 χ^2/NDF : 32.6/33

Left In: -40.480 ± 87.470 χ^2/NDF : 20.2/22

+ sign -1.800 ± 2.251 χ^2/NDF : 93.2/55

All: -1.263 ± 1.539 χ^2/NDF : 146.3/112

- sign -0.790 ± 2.110 χ^2/NDF : 52.9/56

asym_cav4bQ_rms vs Slug



Right In: 2.520 $\pm$ 0.002 χ^2 /NDF: 30314567.0/30

Left Out: 368.500 $\pm$ 0.061 χ^2 /NDF: 623011.6/24

Right Out: 2.491 $\pm$ 0.001 χ^2 /NDF: 31152180.9/33

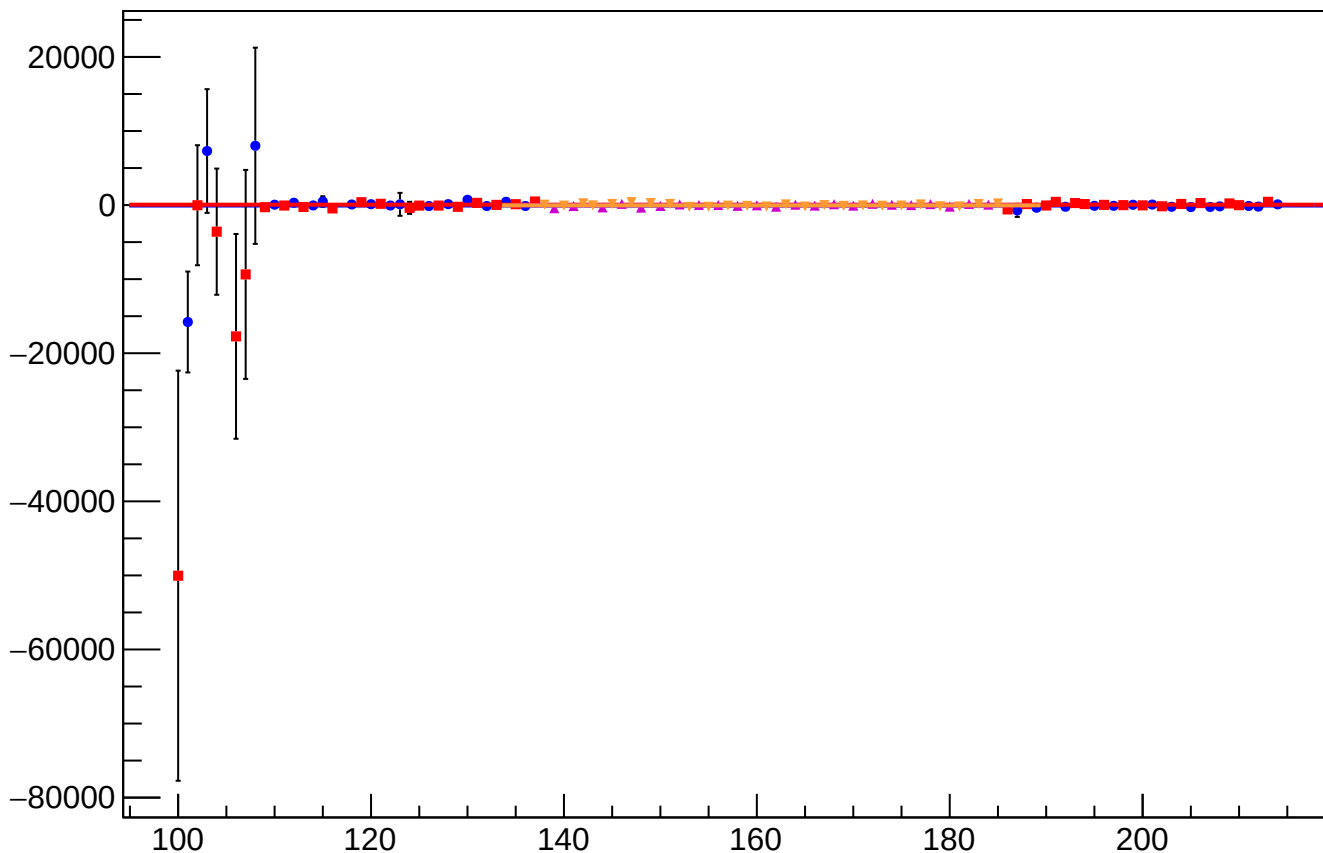
Left In: 360.571 $\pm$ 0.062 χ^2 /NDF: 421995.5/22

+ sign 2.765 $\pm$ 0.002 χ^2 /NDF: 66412512.8/55

All: 2.730 $\pm$ 0.001 χ^2 /NDF: 131485714.9/112

- sign 2.699 $\pm$ 0.001 χ^2 /NDF: 65072291.4/56

asym_cav4cQ_mean vs Slug



Right In: -60.772 ± 48.015 χ^2/NDF : 21.4/30

Left Out: -39.036 ± 49.576 χ^2/NDF : 9.1/24

Right Out: 55.918 ± 48.427 χ^2/NDF : 24.2/33

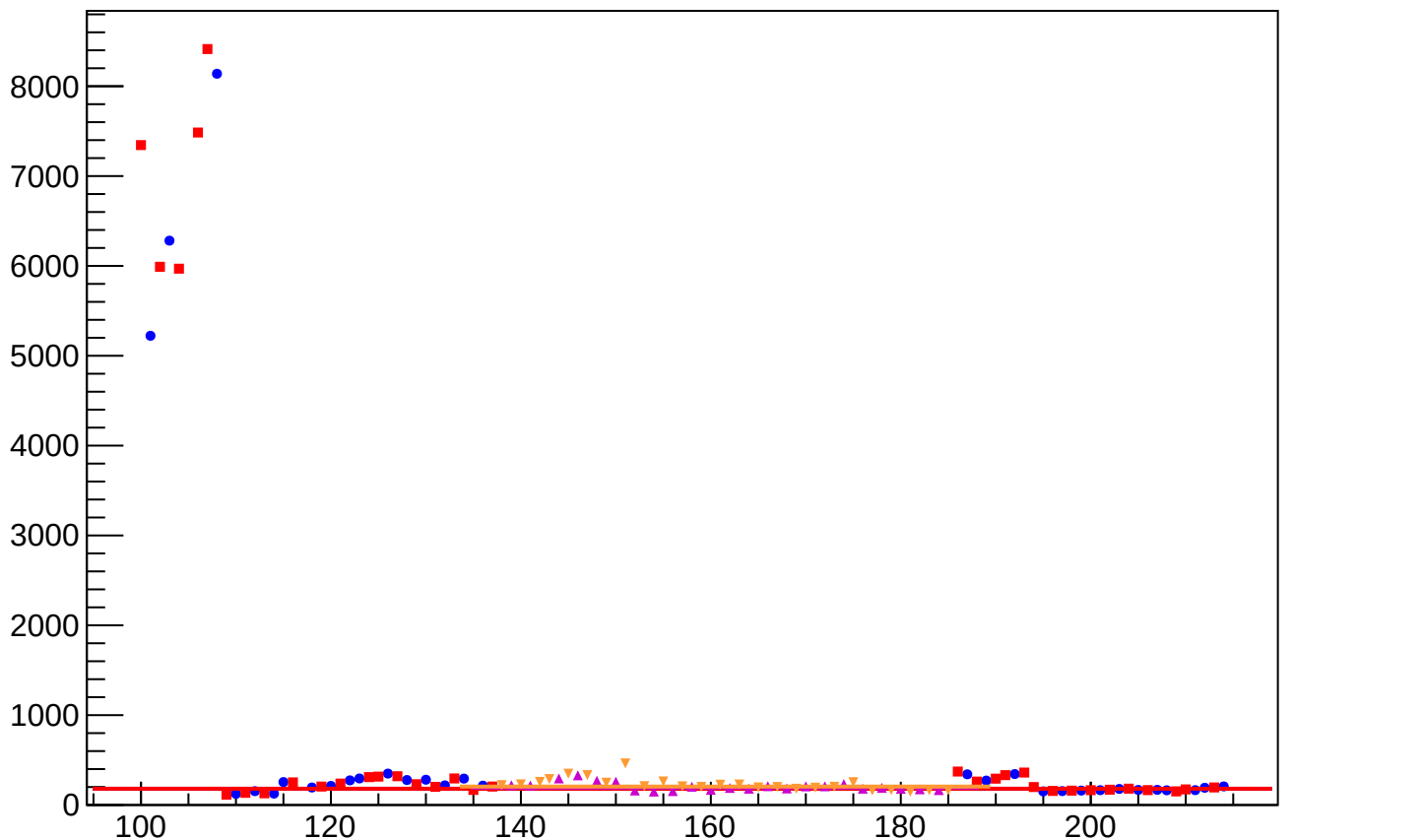
Left In: -28.062 ± 48.032 χ^2/NDF : 9.6/22

+ sign -50.251 ± 34.490 χ^2/NDF : 30.6/55

All: -17.973 ± 24.250 χ^2/NDF : 67.7/112

- sign 13.584 ± 34.102 χ^2/NDF : 35.3/56

asym_cav4cQ_rms vs Slug



Right In: 180.867 $\pm$ 0.034 χ^2 /NDF: 4560693.6/30

Left Out: 205.114 $\pm$ 0.035 χ^2 /NDF:1957484.4/24

Right Out: 181.074 $\pm$ 0.034 χ^2 /NDF: 5425453.7/33

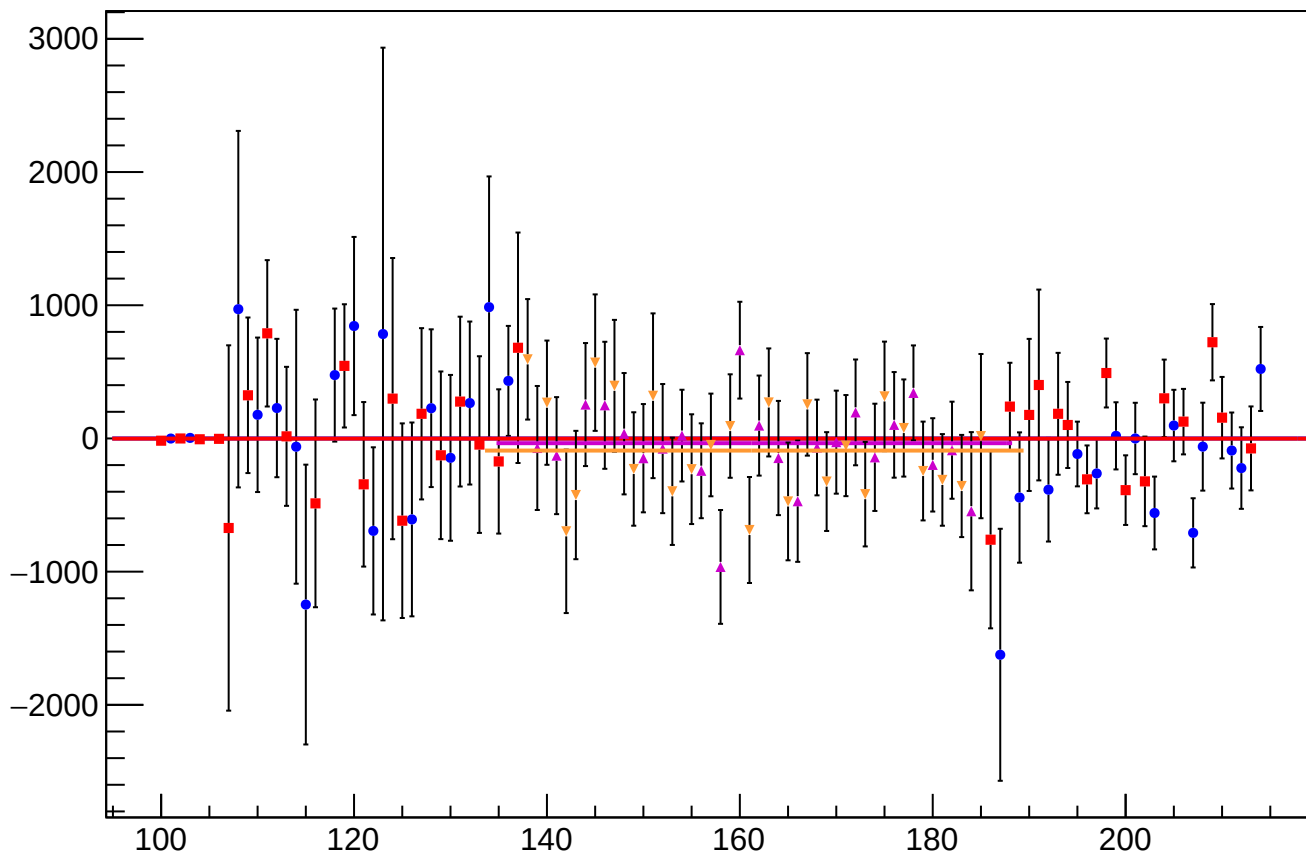
Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

+ sign 192.603 $\pm$ 0.024 χ^2 /NDF: 6765021.1/55

All: 189.970 $\pm$ 0.017 χ^2 /NDF: 13460614.9/13

- sign 187.396 $\pm$ 0.024 χ^2 /NDF: 6672549.3/56

asym_cav4dQ_mean vs Slug



Right In: -0.223 ± 1.736 χ^2/NDF : 31.3/30

Left Out: -90.945 ± 84.079 χ^2/NDF : 16.4/24

Right Out: -1.288 ± 1.622 χ^2/NDF : 28.0/33

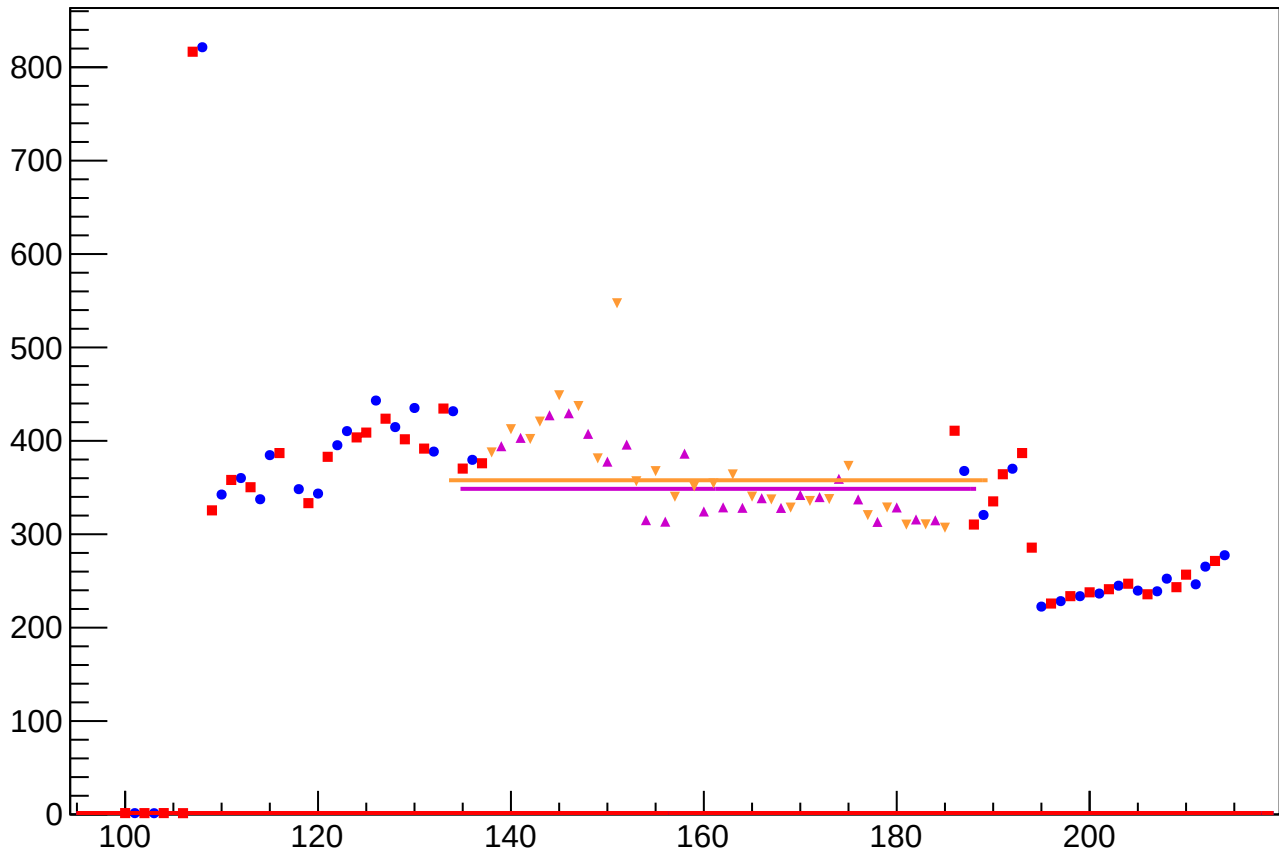
Left In: -35.488 ± 84.382 χ^2/NDF : 13.4/22

+ sign -0.261 ± 1.736 χ^2/NDF : 48.9/55

All: -0.816 ± 1.185 χ^2/NDF : 90.7/112

- sign -1.300 ± 1.622 χ^2/NDF : 41.6/56

asym_cav4dQ_rms vs Slug



Right In: 1.570 $\pm$ 0.001 χ^2 /NDF: 30579530.2/30

Left Out: 357.804 $\pm$ 0.059 χ^2 /NDF:547036.5/24

Right Out: 1.550 $\pm$ 0.001 χ^2 /NDF: 30859329.4/33

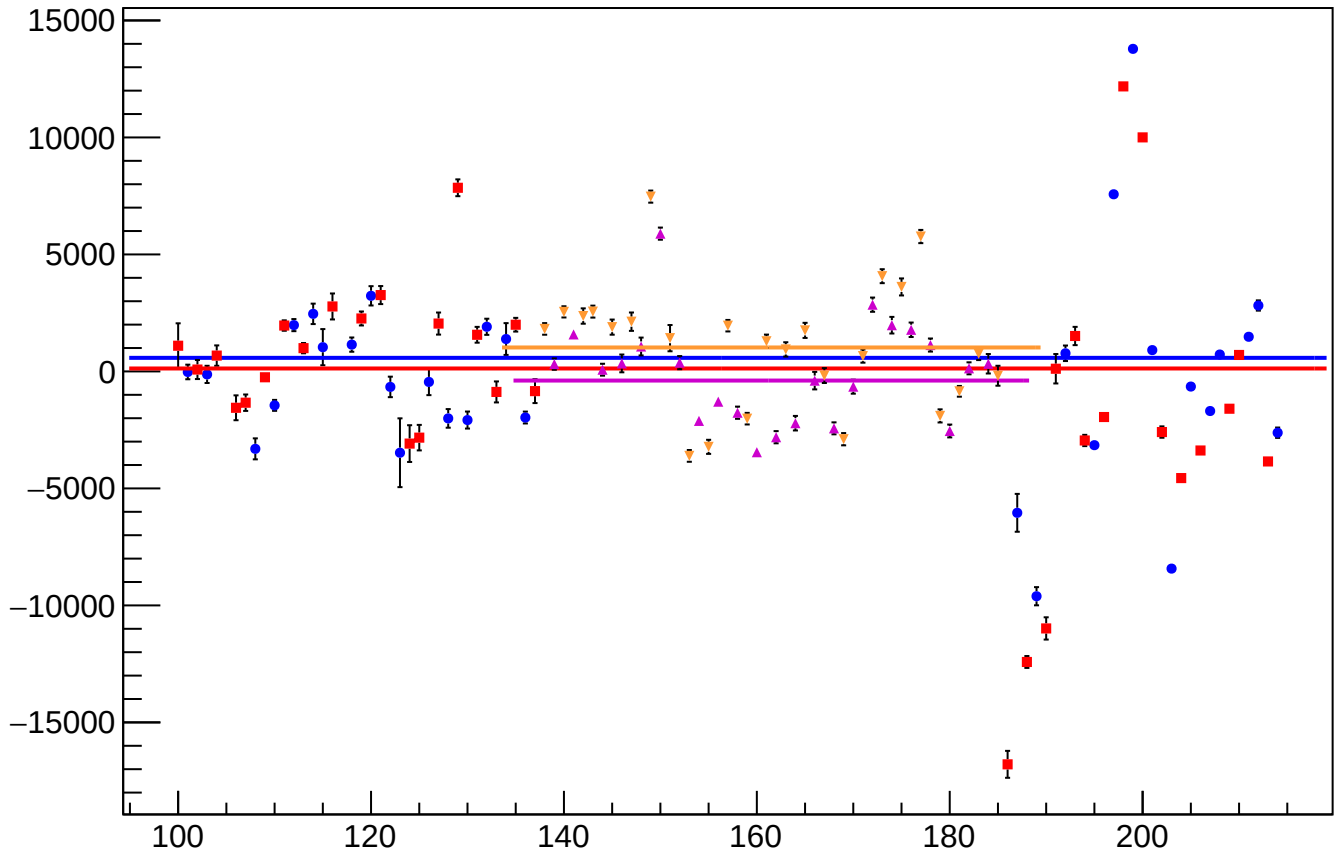
Left In: 348.611 $\pm$ 0.060 χ^2 /NDF:362511.2/22

+ sign 1.722 $\pm$ 0.001 χ^2 /NDF: 67014262.0/55

All: 1.699 $\pm$ 0.001 χ^2 /NDF: 132057044.5/112

- sign 1.679 $\pm$ 0.001 χ^2 /NDF: 65042119.2/56

asym_bcm0l02_mean vs Slug



Right In: 580.331 $\pm$ 47.632 χ^2 /NDF: 11342.3/30

Left Out: 1023.439 $\pm$ 57.338 χ^2 /NDF: 2309.4/24

Right Out: 125.679 $\pm$ 47.151 χ^2 /NDF: 13688.6/33

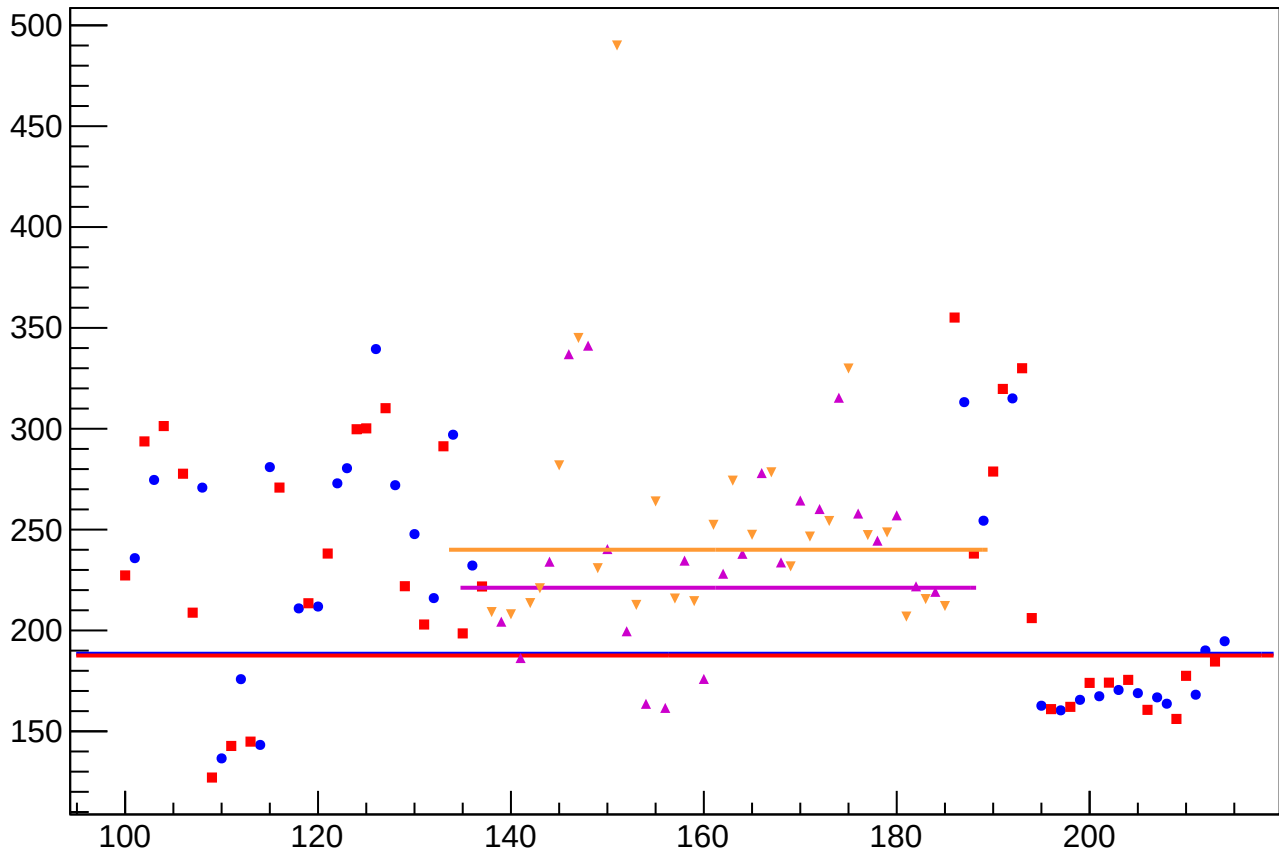
Left In: -390.237 $\pm$ 54.931 χ^2 /NDF: 1584.9/22

+ sign 761.262 $\pm$ 36.639 χ^2 /NDF: 13686.9/55

All: 323.882 $\pm$ 25.598 χ^2 /NDF: 29289.7/112

- sign -93.187 $\pm$ 35.778 χ^2 /NDF: 15324.3/56

asym_bcm0l02_rms vs Slug



Right In: 188.454 $\pm$ 0.034 χ^2 /NDF: 1544224.9/30

Left Out: 240.019 $\pm$ 0.041 χ^2 /NDF:1002427.9/24

Right Out: 187.576 $\pm$ 0.033 χ^2 /NDF: 2121792.7/33

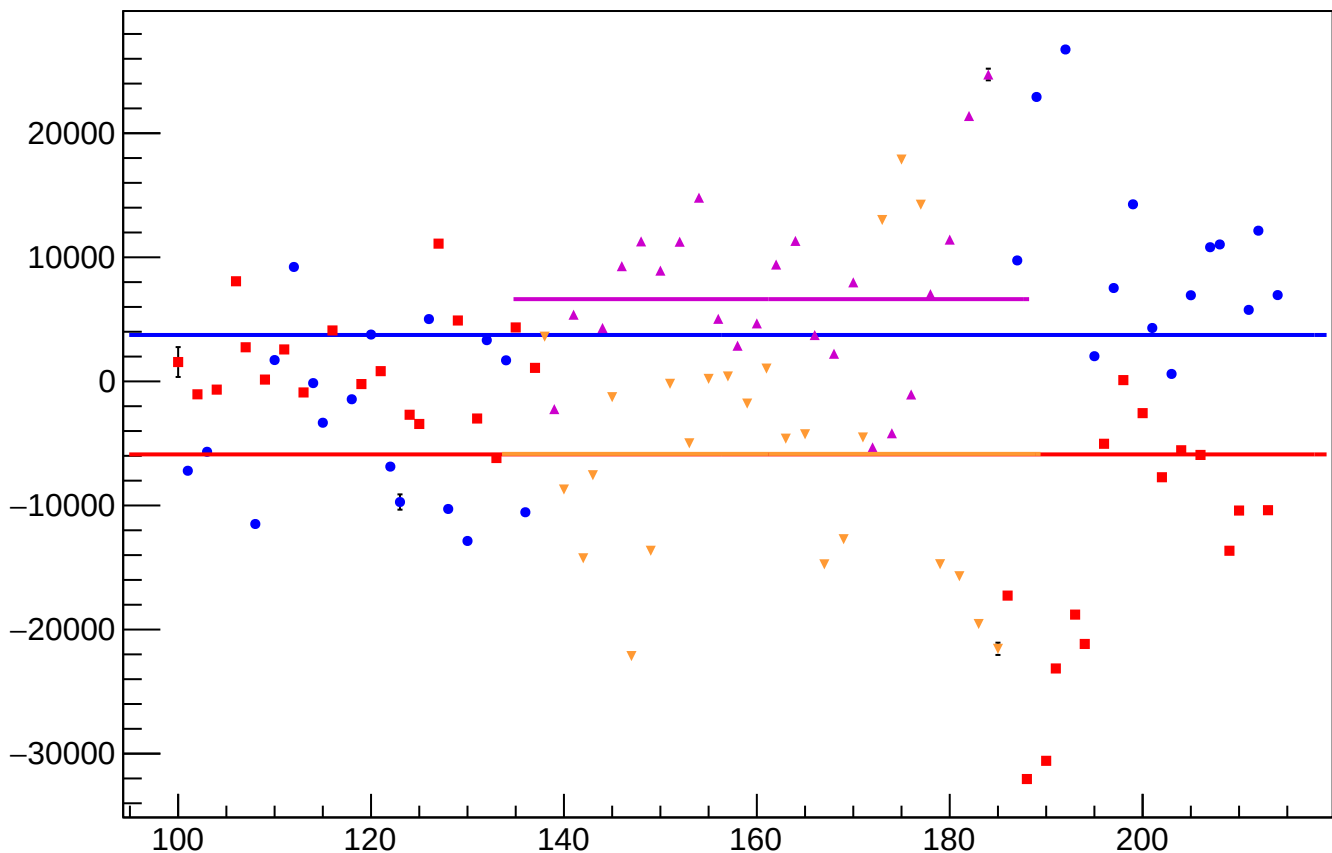
Left In: 221.173 $\pm$ 0.039 χ^2 /NDF:1342517.8/22

+ sign 209.509 $\pm$ 0.026 χ^2 /NDF: 3503703.9/55

All: 205.578 $\pm$ 0.018 χ^2 /NDF: 7443758.5/112

- sign 201.829 $\pm$ 0.025 χ^2 /NDF: 3895065.6/56

asym_bpm2i01WS_mean vs Slug



Right In: 3741.274+/-34.201 χ^2/NDF : 83901.1/30

Left Out: -5841.615+/-35.848 χ^2/NDF : 63397.3/24

Right Out: -5884.085+/-32.833 χ^2/NDF : 104575.2/33

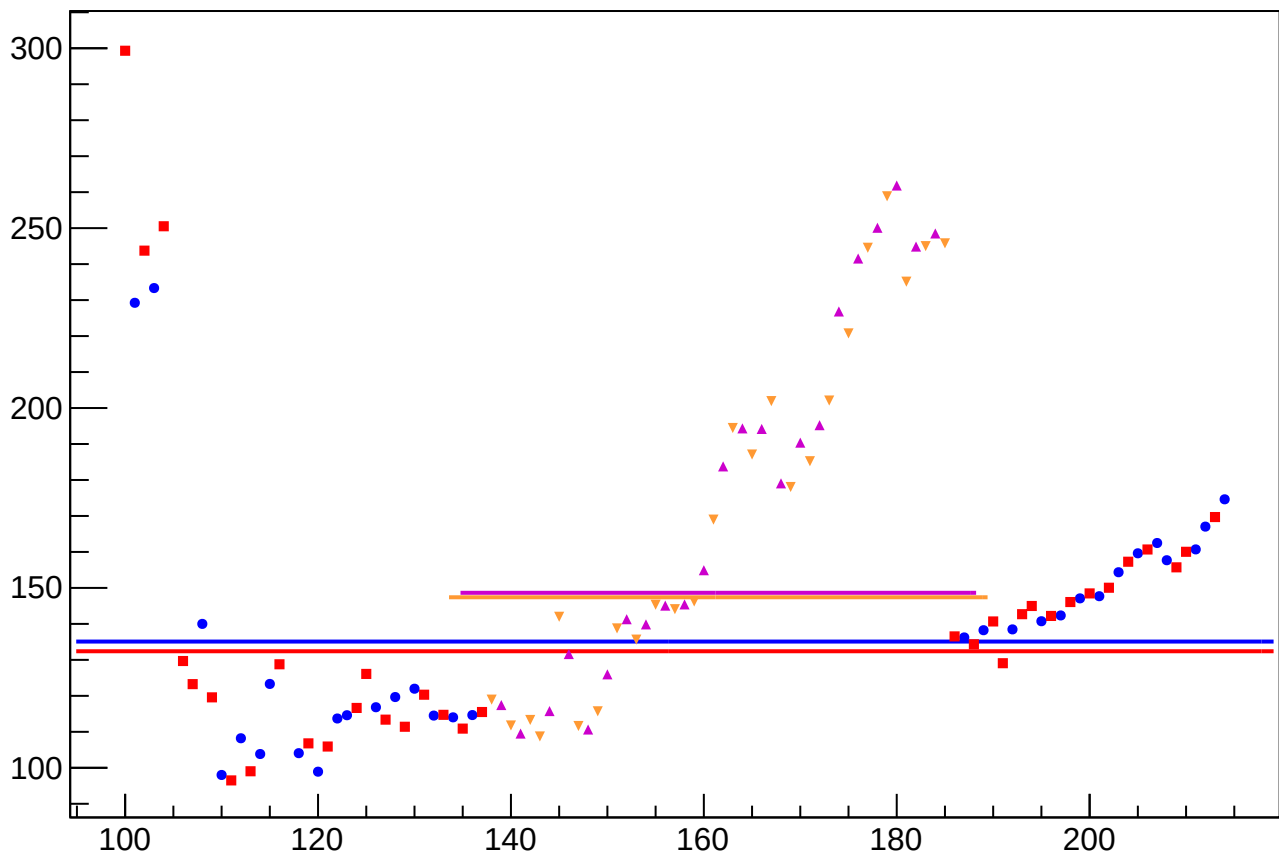
Left In: 6628.388+/-37.160 χ^2/NDF : 21738.0/22

+ sign -825.000+/-24.745 χ^2/NDF : 184708.2/55

All: -610.494+/-17.448 χ^2/NDF : 374842.6/11

- sign -398.418+/-24.605 χ^2/NDF : 189984.9/56

asym_bpm2i01WS_rms vs Slug



Right In: 135.090 $\pm$ 0.024 χ^2 /NDF: 1212636.9/30

Left Out: 147.396 $\pm$ 0.025 χ^2 /NDF: 2517097.1/24

Right Out: 132.394 $\pm$ 0.023 χ^2 /NDF: 1229837.0/33

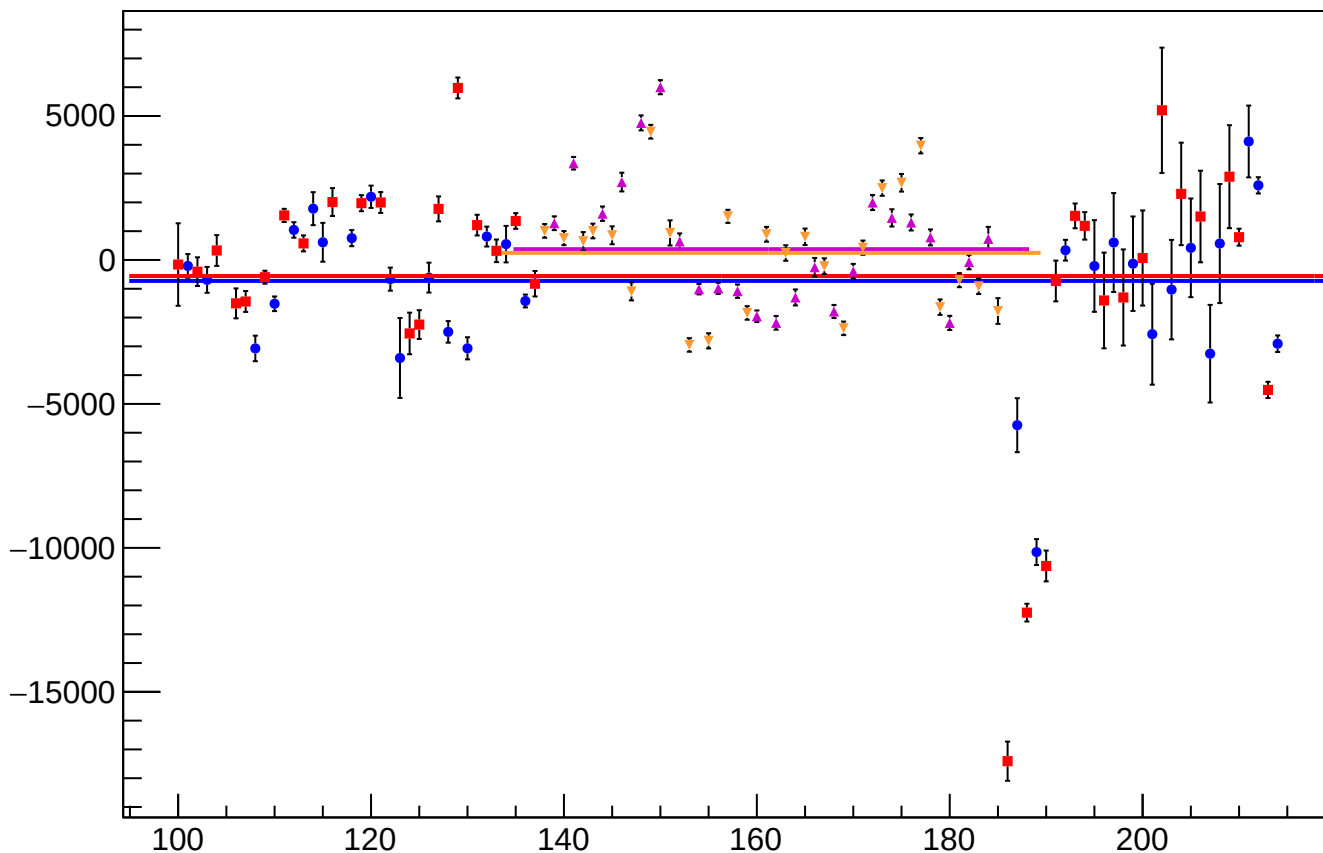
Left In: 148.642 $\pm$ 0.026 χ^2 /NDF: 2415531.9/22

+ sign 140.954 $\pm$ 0.017 χ^2 /NDF: 3853118.0/55

All: 140.232 $\pm$ 0.012 χ^2 /NDF: 7716608.6/112

- sign 139.517 $\pm$ 0.017 χ^2 /NDF: 3860101.0/56

asym_bpm0i07WS_mean vs Slug



Right In: -727.267 ± 77.441 χ^2/NDF : 976.9/30

Left Out: 246.120 ± 53.492 χ^2/NDF : 1354.8/24

Right Out: -557.681 ± 70.337 χ^2/NDF : 3398.4/33

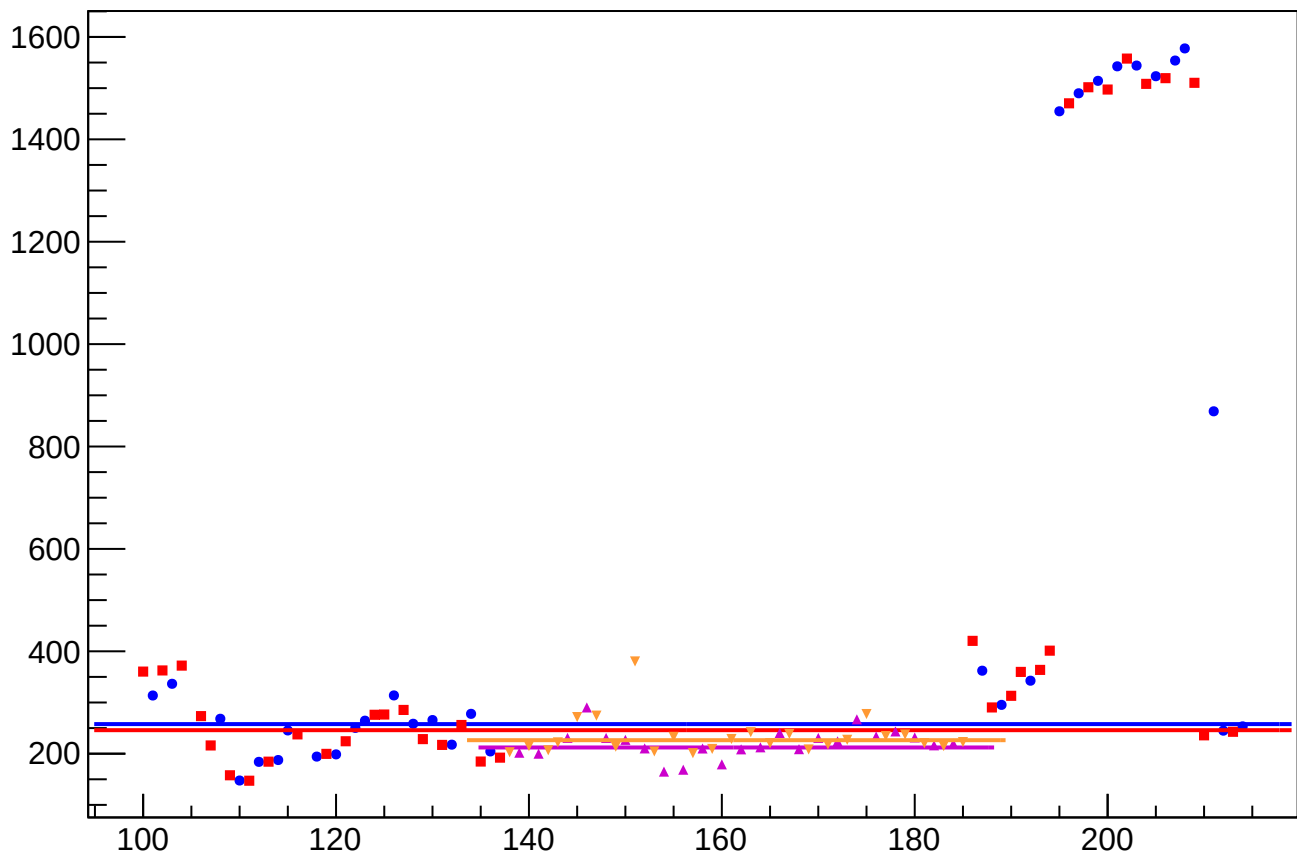
Left In: 374.465 ± 51.892 χ^2/NDF : 1798.3/22

+ sign -68.290 ± 44.013 χ^2/NDF : 2438.7/55

All: -8.182 ± 30.293 χ^2/NDF : 7752.6/112

- sign 45.926 ± 41.758 χ^2/NDF : 5310.4/56

asym_bpm0i07WS_rms vs Slug



Right In: 257.802 $\pm$ 0.055 χ^2 /NDF: 10197031.4/30

Left Out: 226.376 $\pm$ 0.038 χ^2 /NDF: 521770.1/24

Right Out: 245.932 $\pm$ 0.050 χ^2 /NDF: 9272612.5/33

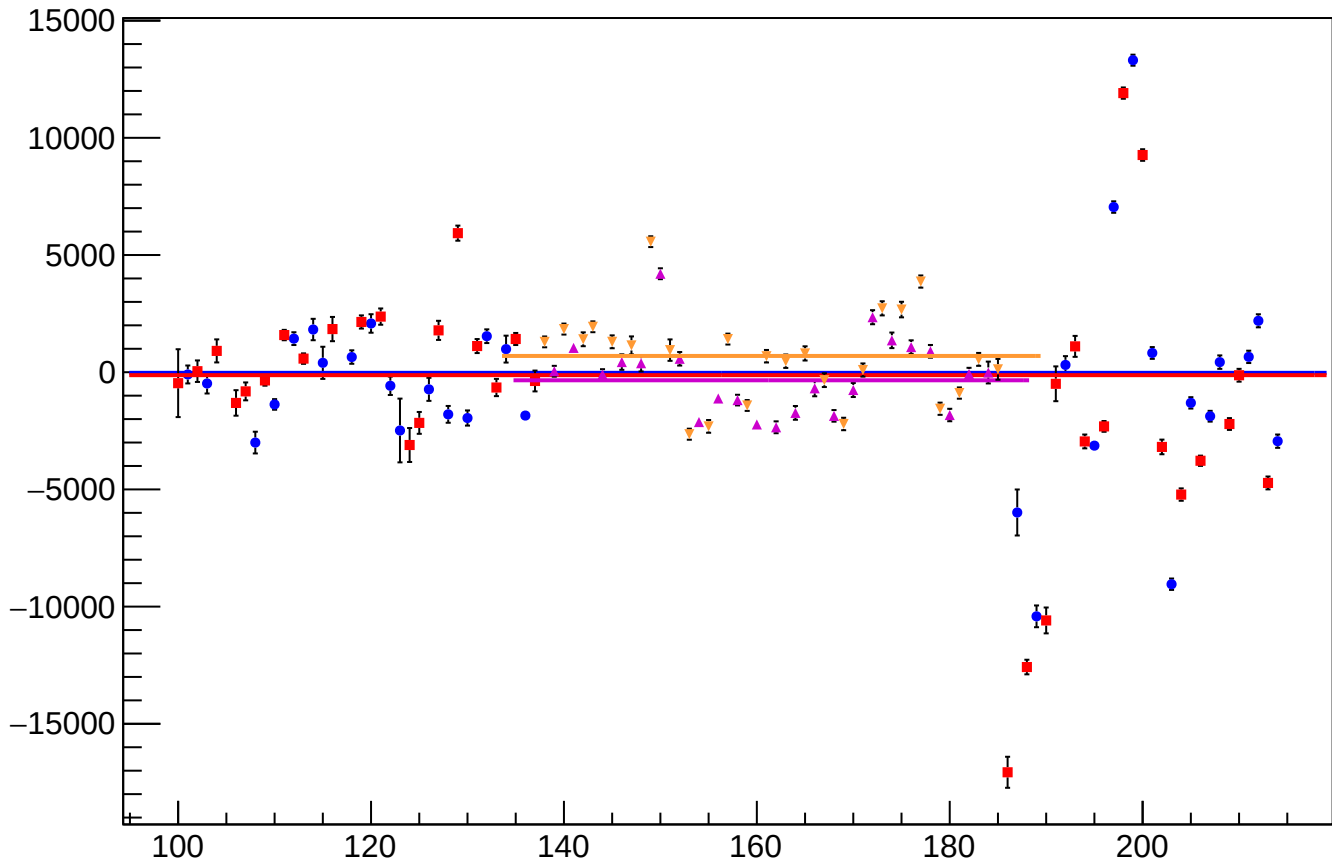
Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

+ sign 236.527 $\pm$ 0.031 χ^2 /NDF: 10941777.9/55

All: 229.962 $\pm$ 0.021 χ^2 /NDF: 21189455.2/11

- sign 224.053 $\pm$ 0.030 χ^2 /NDF: 10163141.7/56

asym_bpm0l01WS_mean vs Slug



Right In: -26.474 ± 55.042 χ^2/NDF : 6781.1/30

Left Out: 694.326 ± 54.246 χ^2/NDF : 1422.1/24

Right Out: -125.426 ± 54.213 χ^2/NDF : 8506.8/33

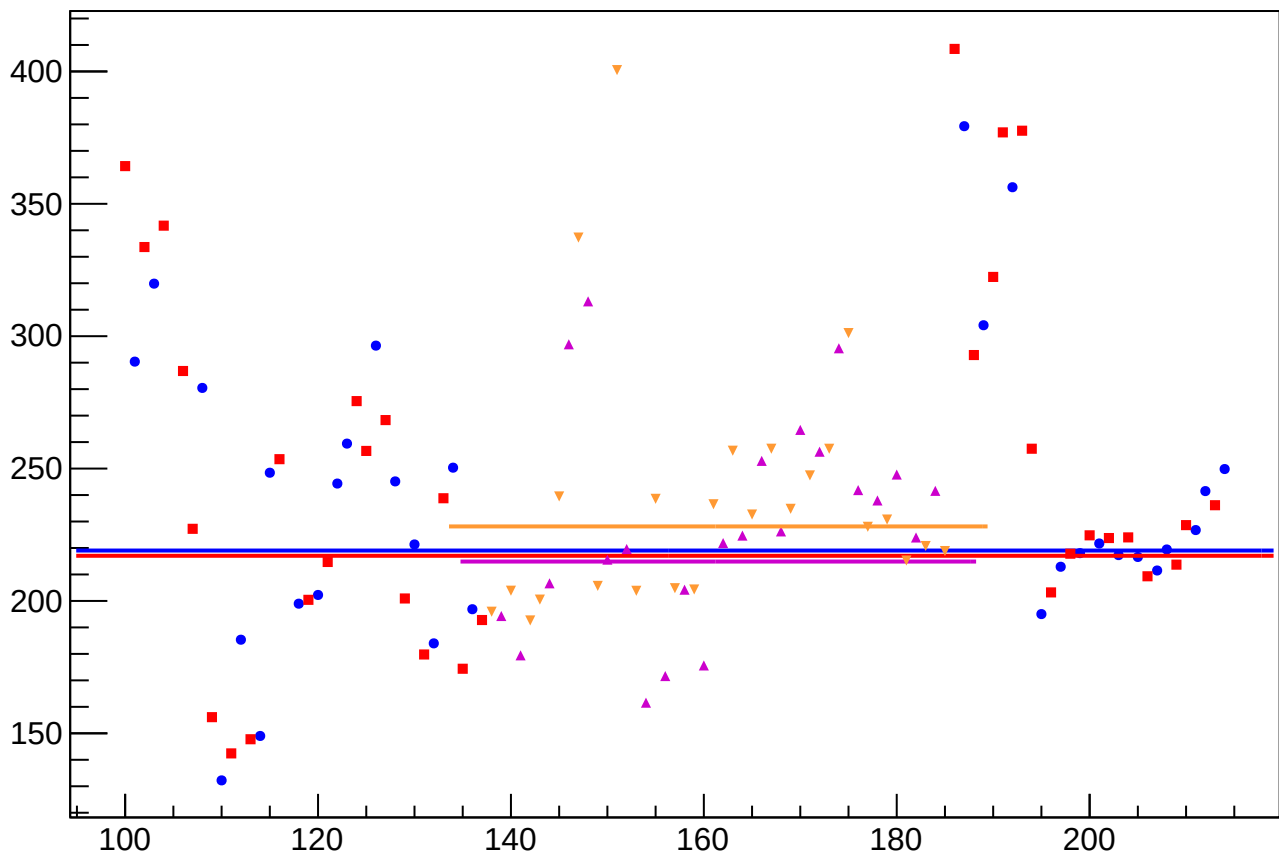
Left In: -344.578 ± 52.954 χ^2/NDF : 985.0/22

+ sign 339.176 ± 38.636 χ^2/NDF : 8290.2/55

All: 45.110 ± 27.049 χ^2/NDF : 17903.9/112

- sign -237.575 ± 37.881 χ^2/NDF : 9500.2/56

asym_bpm0l01WS_rms vs Slug



Right In: 219.040 $\pm$ 0.039 χ^2 /NDF: 1187275.4/30

Left Out: 228.144 $\pm$ 0.038 χ^2 /NDF:828399.3/24

Right Out: 217.062 $\pm$ 0.038 χ^2 /NDF: 1835976.3/33

Left In: 214.878 $\pm$ 0.037 χ^2 /NDF:1037509.6/22

+ sign 223.658 $\pm$ 0.027 χ^2 /NDF: 2043429.5/55

All: 219.725 $\pm$ 0.019 χ^2 /NDF: 4959223.4/112

- sign 215.944 $\pm$ 0.027 χ^2 /NDF: 2875145.9/56

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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

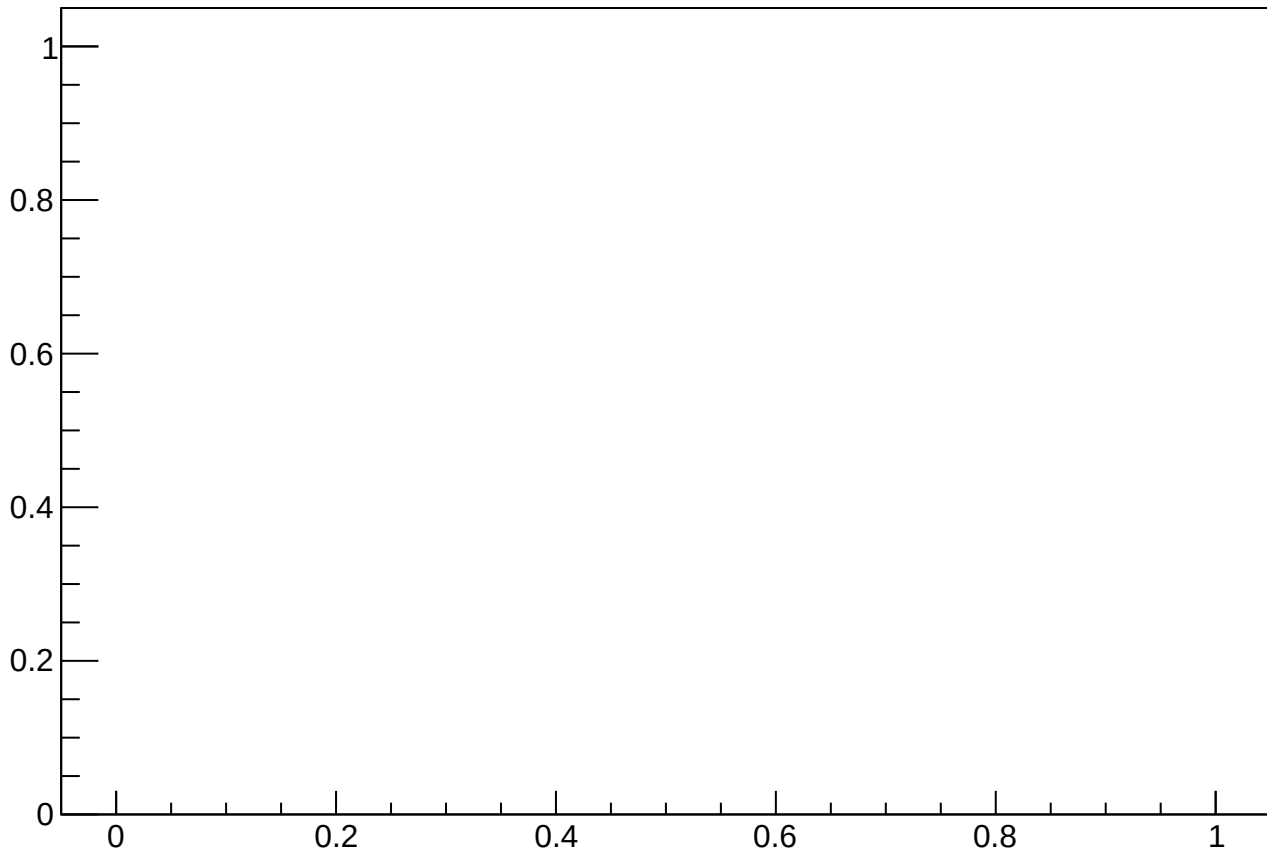
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

bcm_dg_ds_ds_dd_rms vs Slug



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

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

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

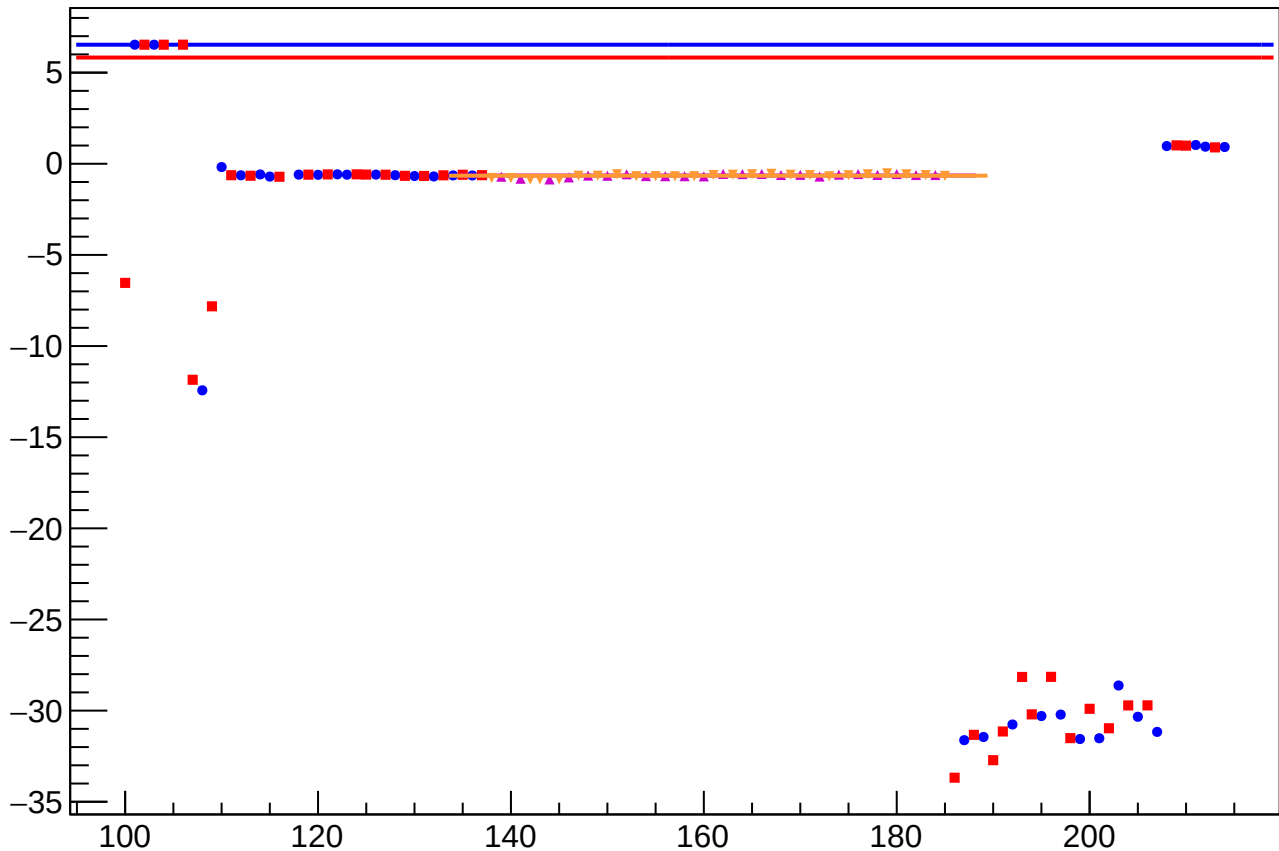
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 135486698868.0/30

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755966309767874.5/33

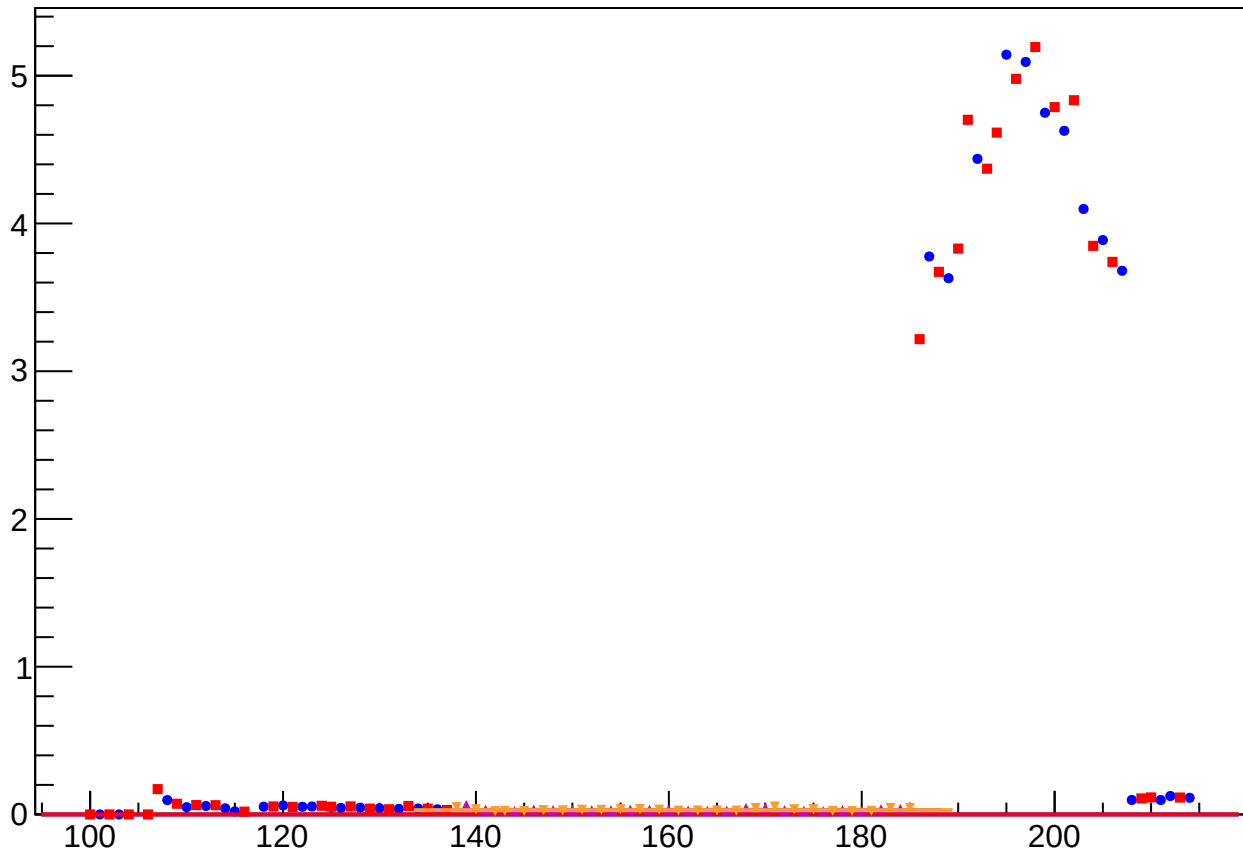
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1009321907614.5/55

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77763875639685

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756644770980608.8/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 28270438.0/30

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29025937.5/33

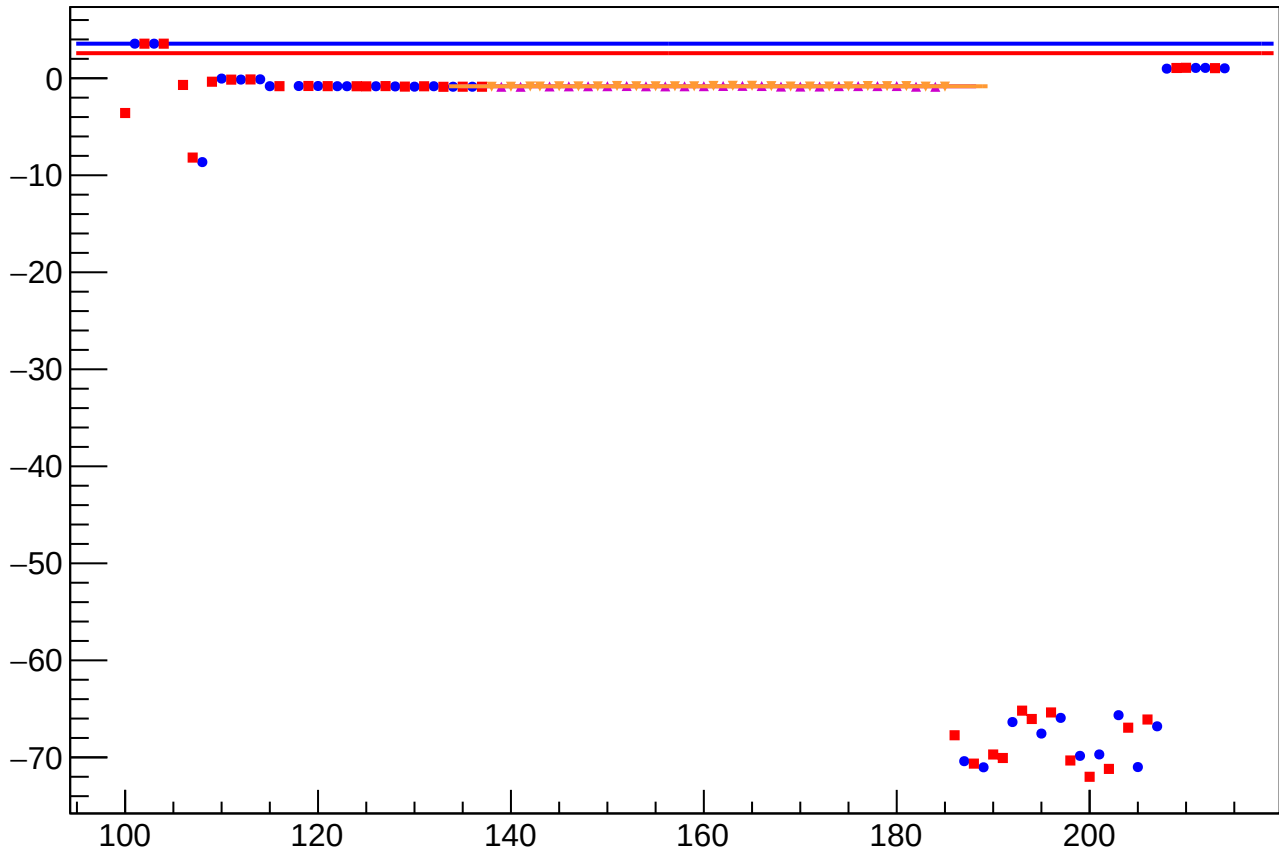
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 58233514.6/55

All: 0.000+/-0.000 χ^2/NDF : 115441615.2/112

- sign 0.000+/-0.000 χ^2/NDF : 57207371.2/56

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 546958603408.7/30

Left Out: -0.827 $\pm$ 0.000 χ^2 /NDF: 170052639.9/24

+ sign 3.560 $\pm$ 0.000 χ^2 /NDF: 4243298359770.3/55

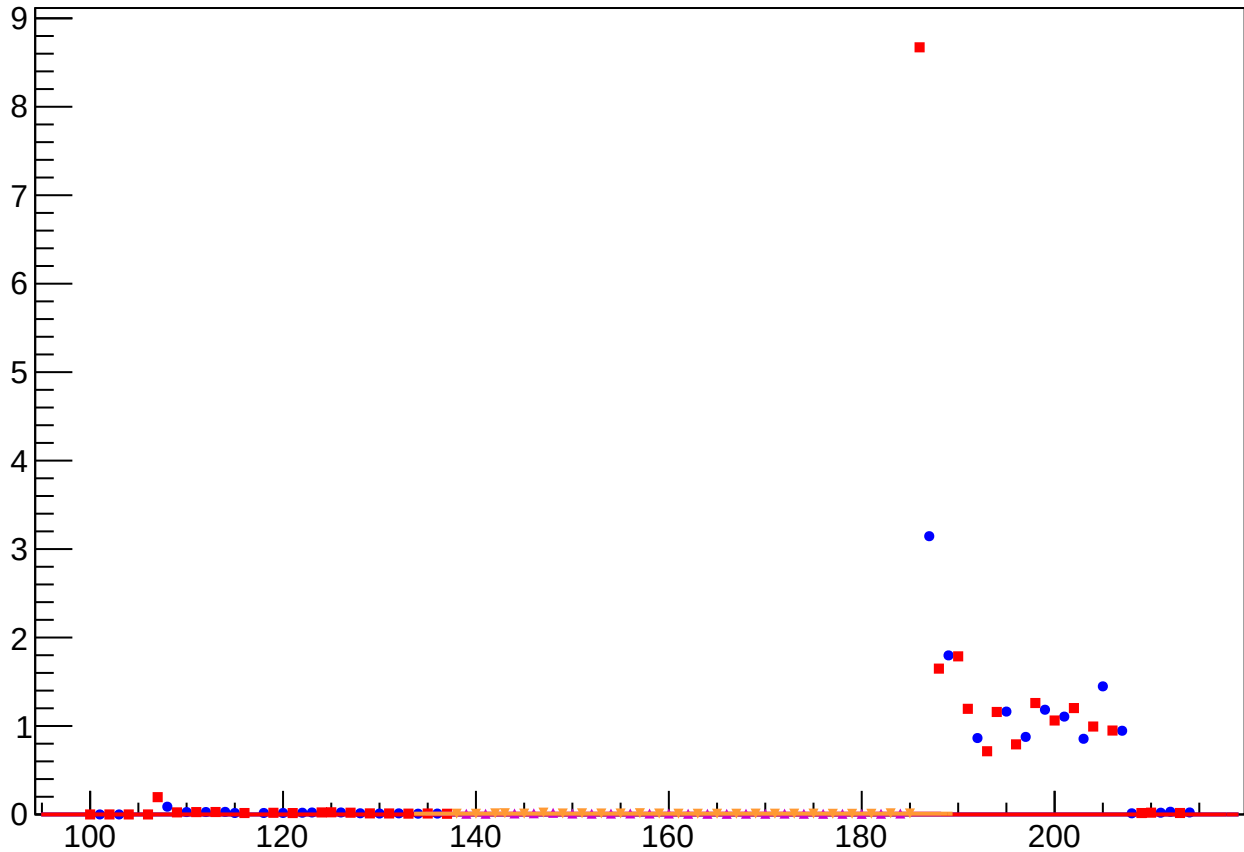
Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253545808410849.0/33

All: 3.038 $\pm$ 0.000 χ^2 /NDF: 13880838738268

- sign 2.581 $\pm$ 0.000 χ^2 /NDF: 1255766856343147.0

Left In: -0.827 $\pm$ 0.000 χ^2 /NDF: 174130375.4/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 25868758.7/30

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 26923893.8/33

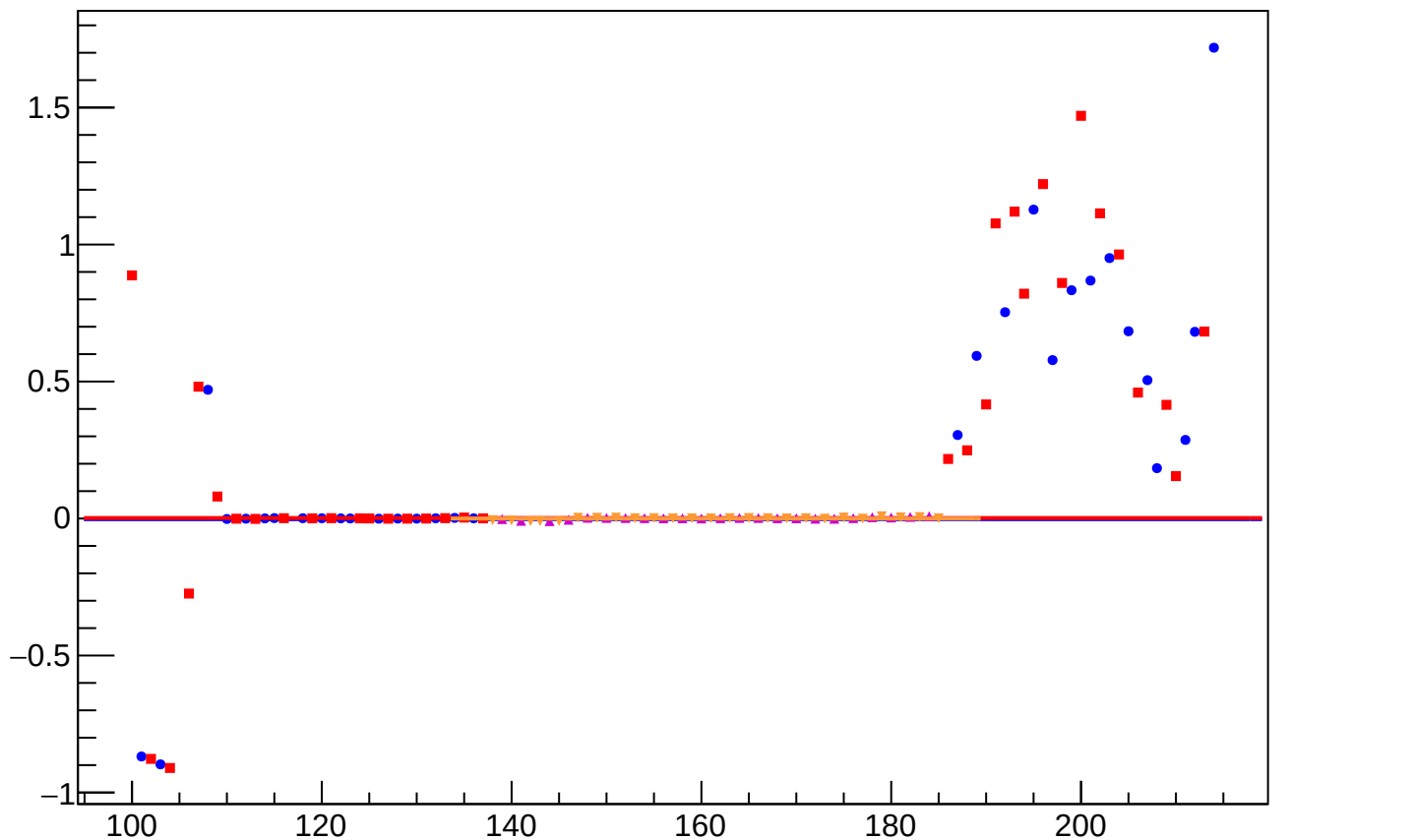
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 57373943.4/55

All: 0.000+/-0.000 χ^2/NDF : 114102988.5/112

- sign 0.000+/-0.000 χ^2/NDF : 56727889.9/56

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9796914510.7/30

Left Out: -0.000 ± 0.000 χ^2/NDF : 151559332.0/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3043735807.3/33

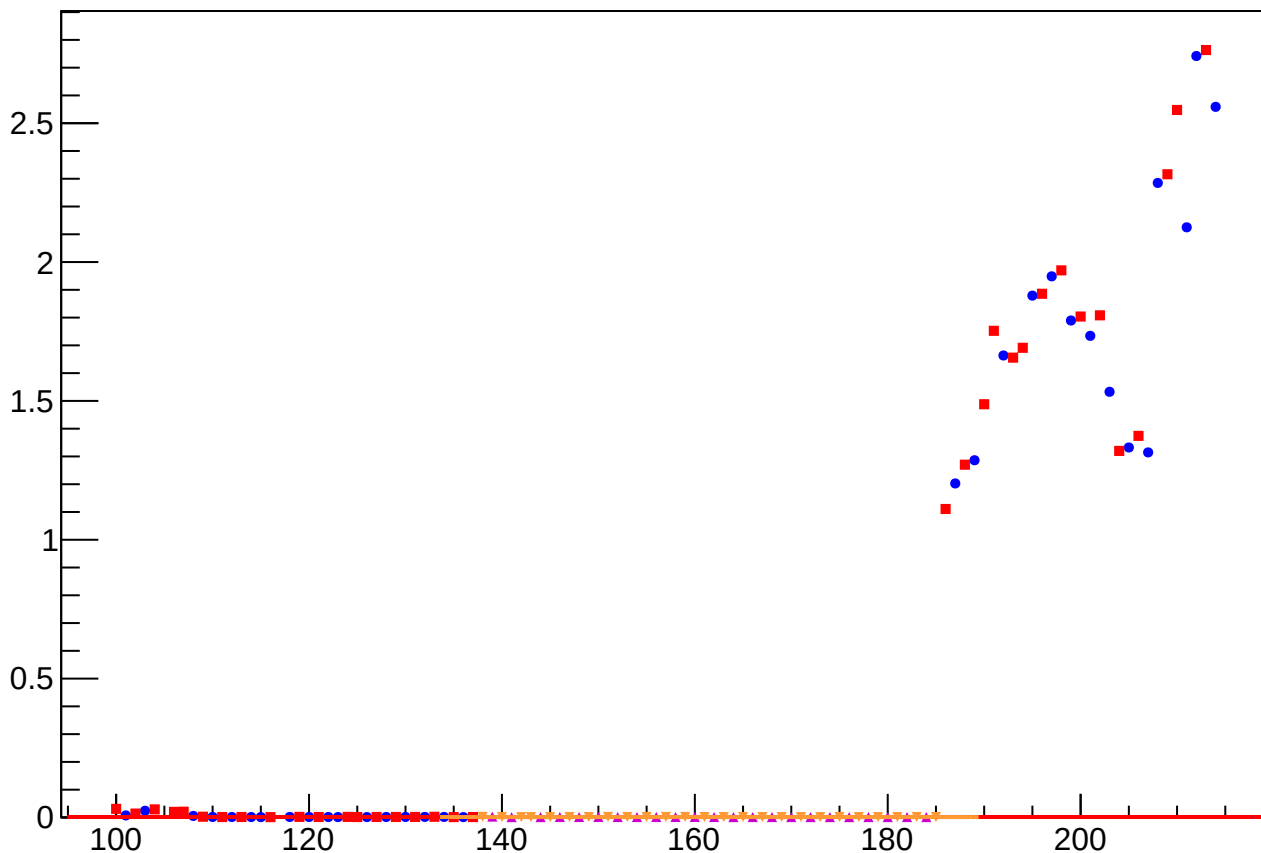
Left In: 0.001 ± 0.000 χ^2/NDF : 101468517.6/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9955430573.2/55

All: 0.000 ± 0.000 χ^2/NDF : 13110165479.9/100

- sign 0.001 ± 0.000 χ^2/NDF : 3147183634.5/56

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 21324937.0/30

Left Out: 0.001+/-0.000 χ^2/NDF :539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 22696840.0/33

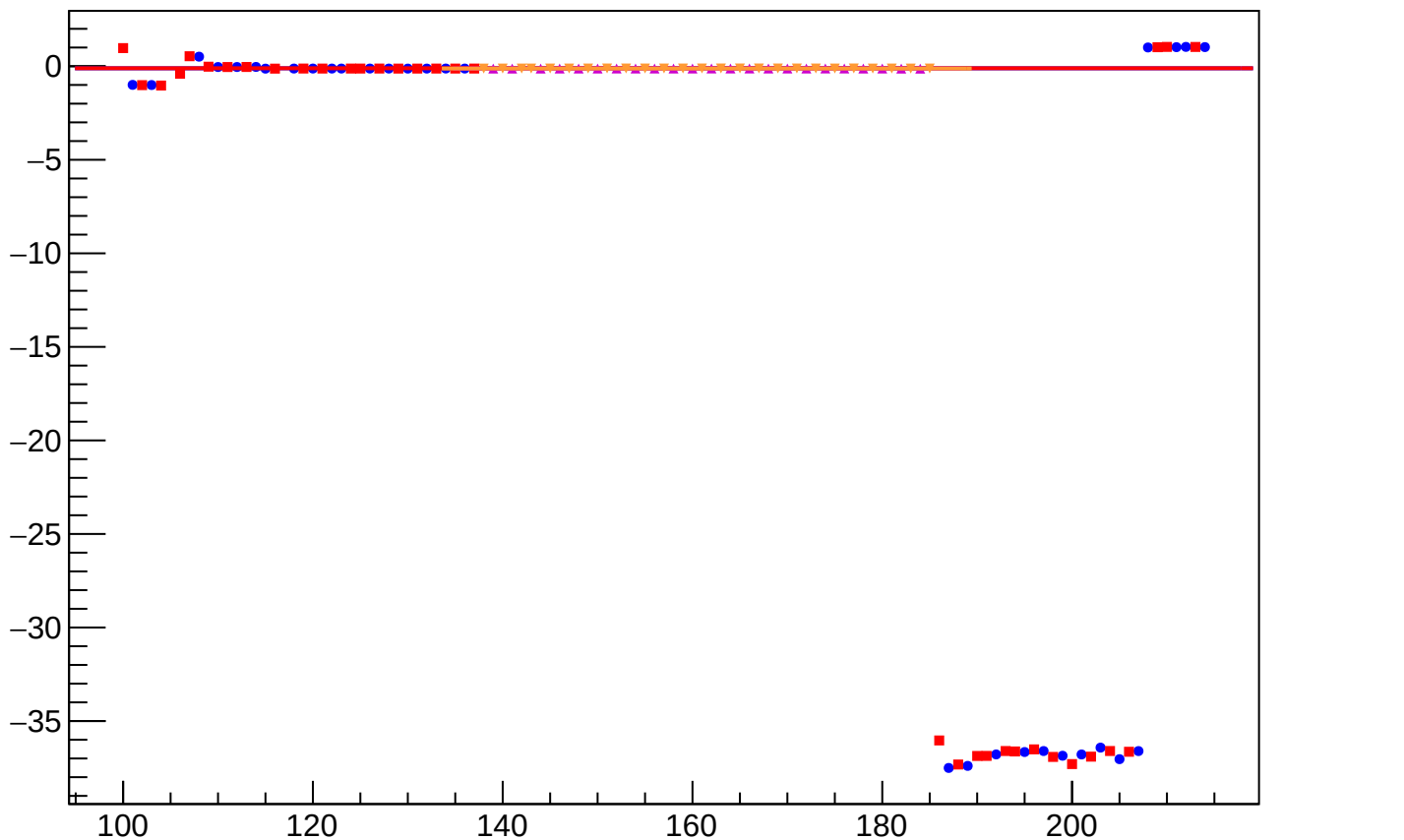
Left In: 0.001+/-0.000 χ^2/NDF :659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 21936221.8/55

All: 0.002+/-0.000 χ^2/NDF : 45411770.4/112

- sign 0.002+/-0.000 χ^2/NDF : 23467665.9/56

yield_cav4cY_mean vs Slug



Right In: -0.111 ± 0.000 χ^2/NDF : 87457956192.1/30

Left Out: -0.121 ± 0.000 χ^2/NDF : 58329026.8/24

Right Out: -0.107 ± 0.000 χ^2/NDF : 87770038442.9/33

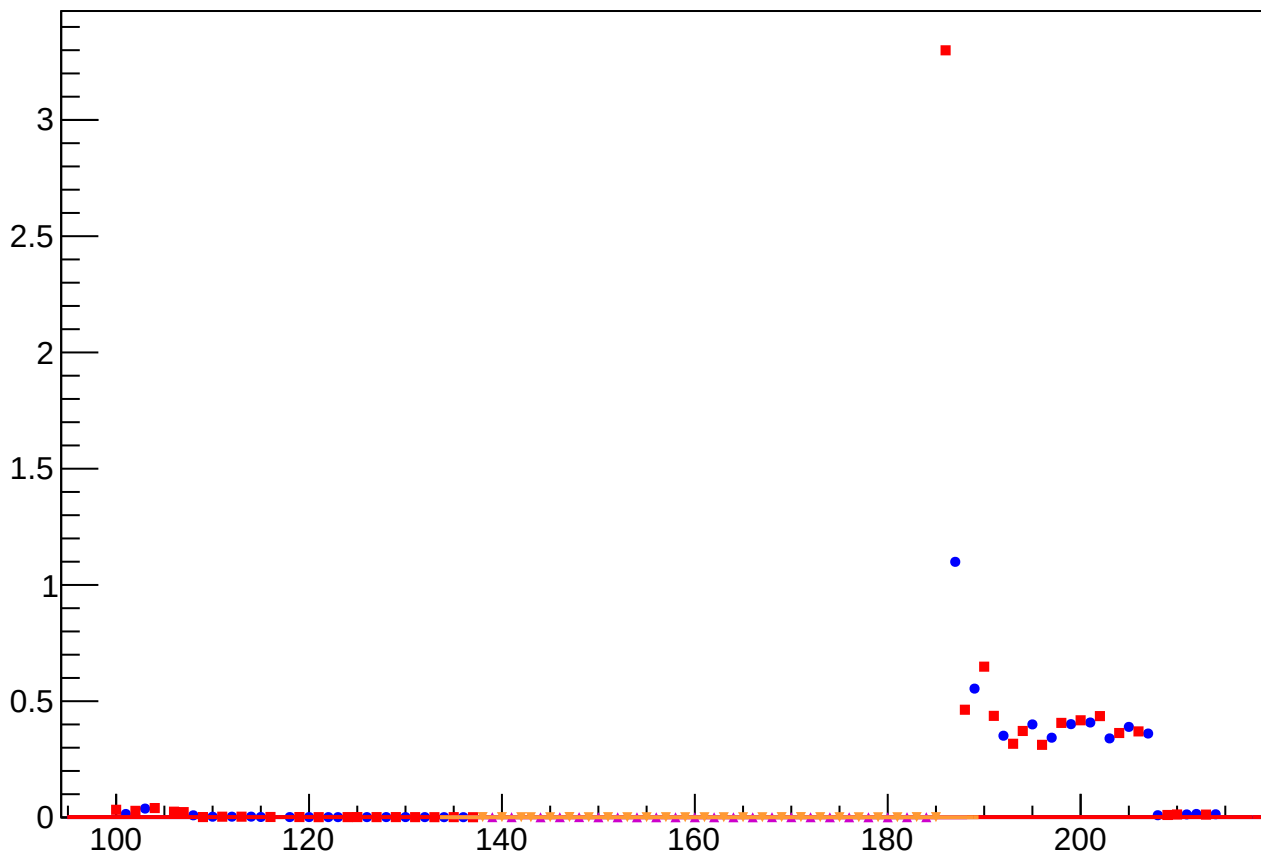
Left In: -0.121 ± 0.000 χ^2/NDF : 53134323.3/22

+ sign -0.120 ± 0.000 χ^2/NDF : 87693314314.0/55

All: -0.120 ± 0.000 χ^2/NDF : 175832939970.0

- sign -0.120 ± 0.000 χ^2/NDF : 88136454775.0/56

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 20281775.3/30

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 21616744.8/33

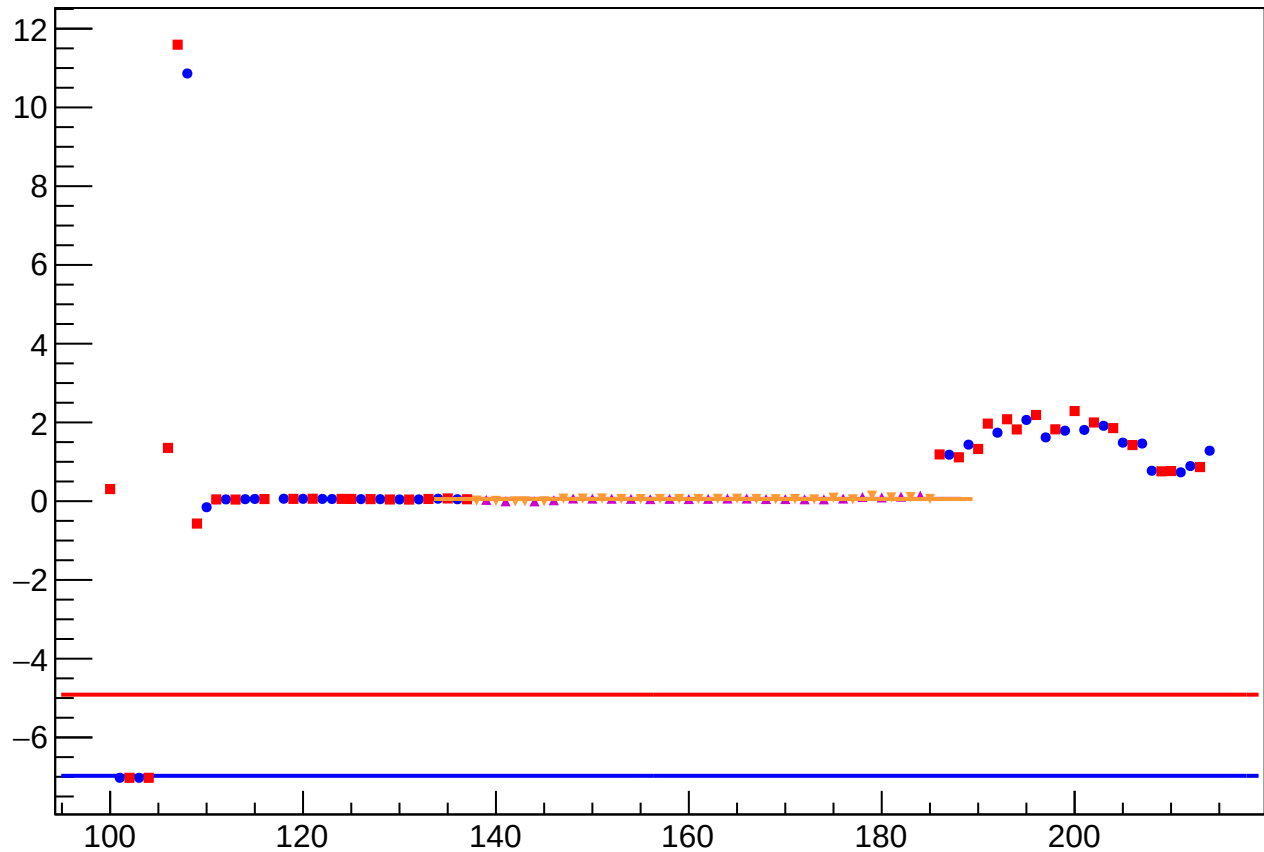
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 23275678.8/55

All: 0.001+/-0.000 χ^2/NDF : 47355490.5/112

- sign 0.001+/-0.000 χ^2/NDF : 24078237.1/56

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8763000081214.3/30

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348816745207.2/33

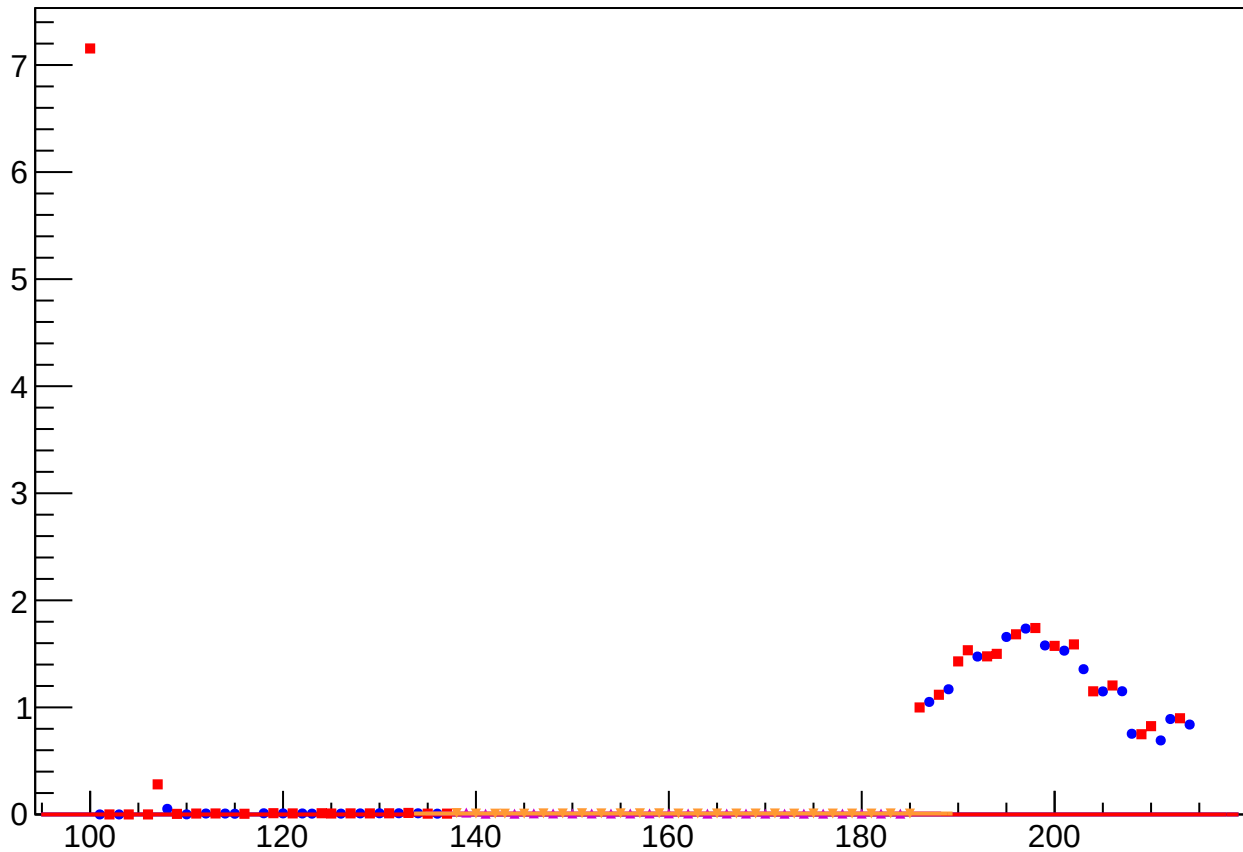
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18417983610551.6/30

All: -5.858 ± 0.000 χ^2/NDF : 4435819449732.0/30

- sign -4.882 ± 0.000 χ^2/NDF : 369771105969003.8/30

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 27655063.4/30

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 28458966.4/33

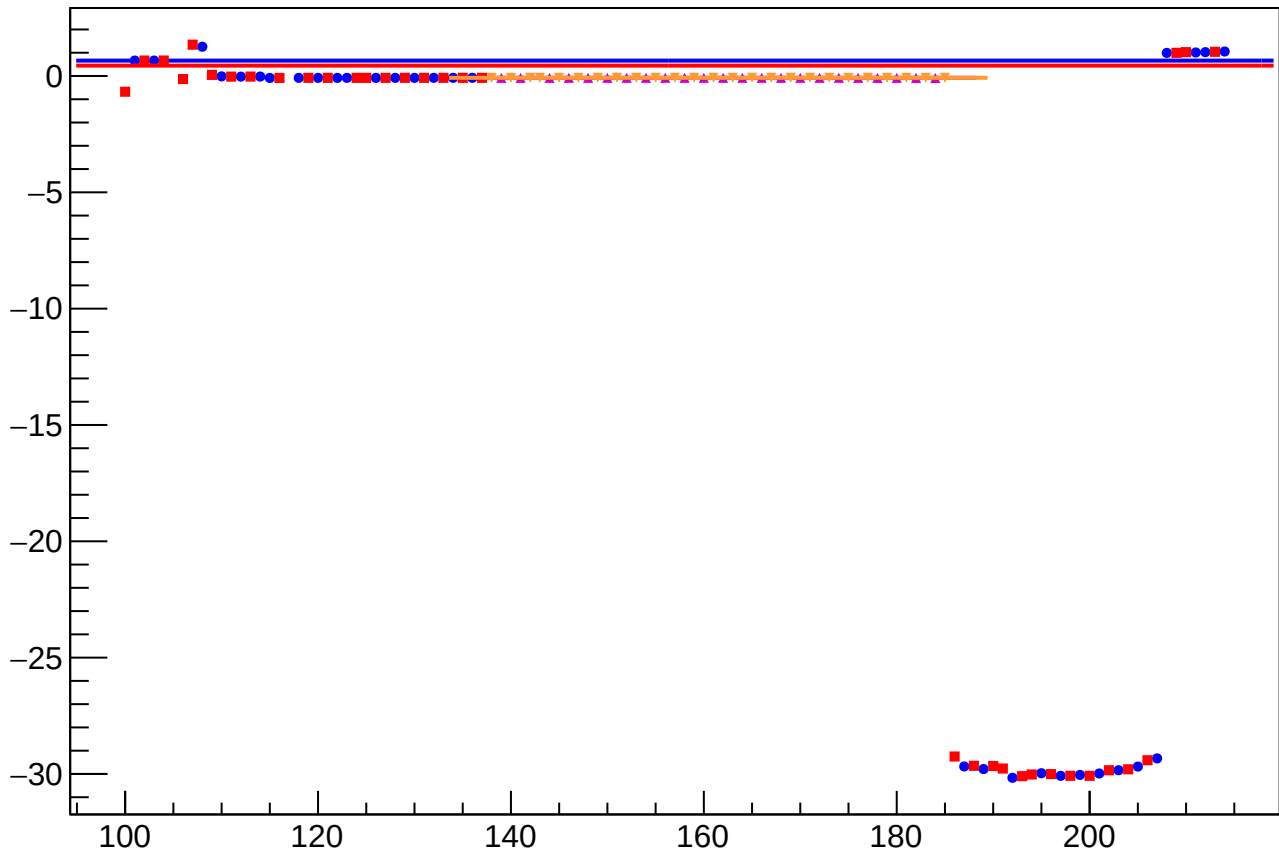
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 56640936.4/55

All: 0.000+/-0.000 χ^2/NDF : 112777230.7/112

- sign 0.000+/-0.000 χ^2/NDF : 56131795.8/56

yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 χ^2/NDF : 5647852176946.6/30

Left Out: -0.078 ± 0.000 χ^2/NDF : 156525648.0/24

Right Out: 0.446 ± 0.000 χ^2/NDF : 405482589419391.6/33

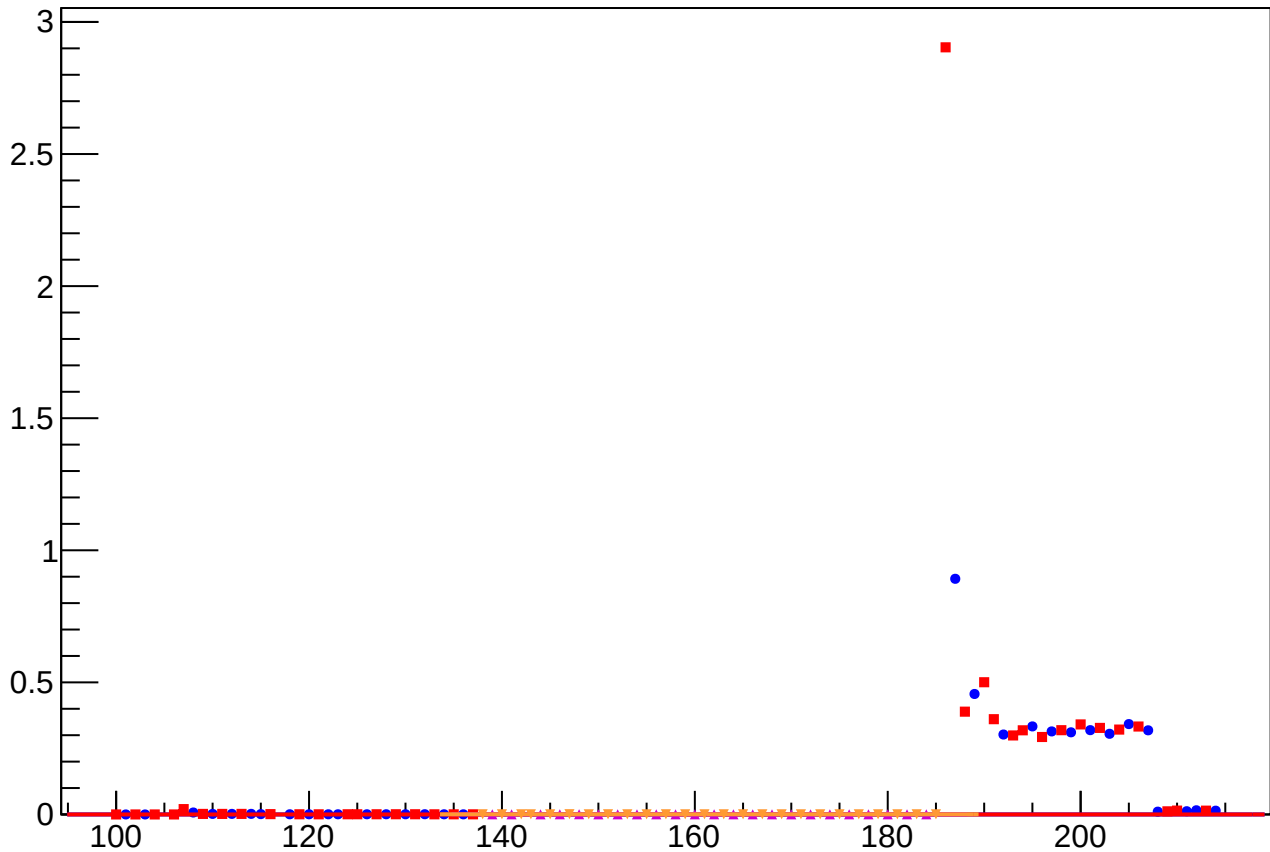
Left In: -0.077 ± 0.000 χ^2/NDF : 111221084.5/22

+ sign 0.646 ± 0.000 χ^2/NDF : 35815490860817.2/5

All: 0.537 ± 0.000 χ^2/NDF : 51611019015083.1

- sign 0.437 ± 0.000 χ^2/NDF : 419714230427020.4/5

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 29033044.6/30

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29028855.2/33

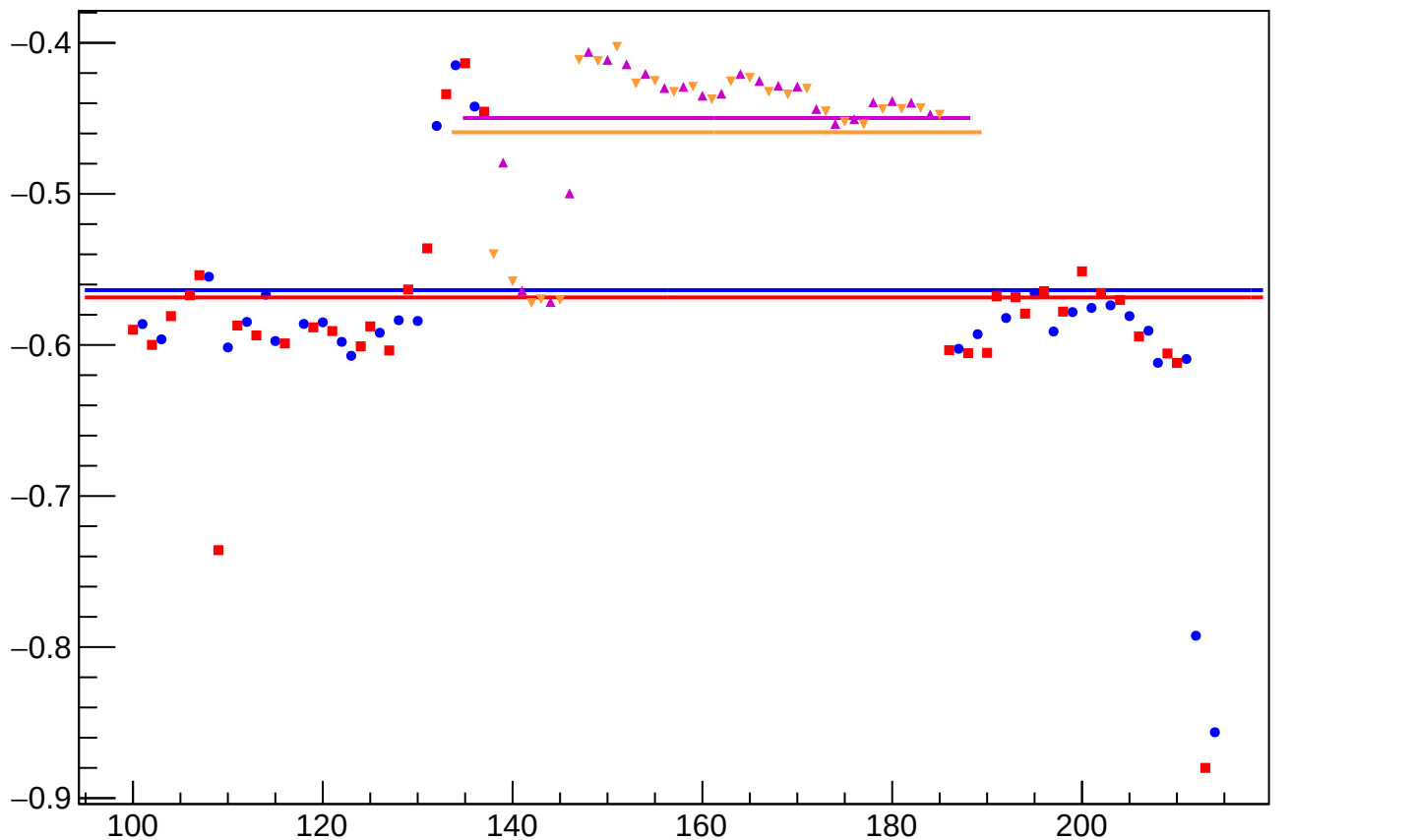
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 61672196.7/55

All: 0.000+/-0.000 χ^2/NDF : 121738662.8/112

- sign 0.000+/-0.000 χ^2/NDF : 60059089.4/56

yield_bpm4aX_mean vs Slug



Right In: -0.564 ± 0.000 χ^2/NDF : 86098835.3/30

Left Out: -0.459 ± 0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.569 ± 0.000 χ^2/NDF : 88486301.6/33

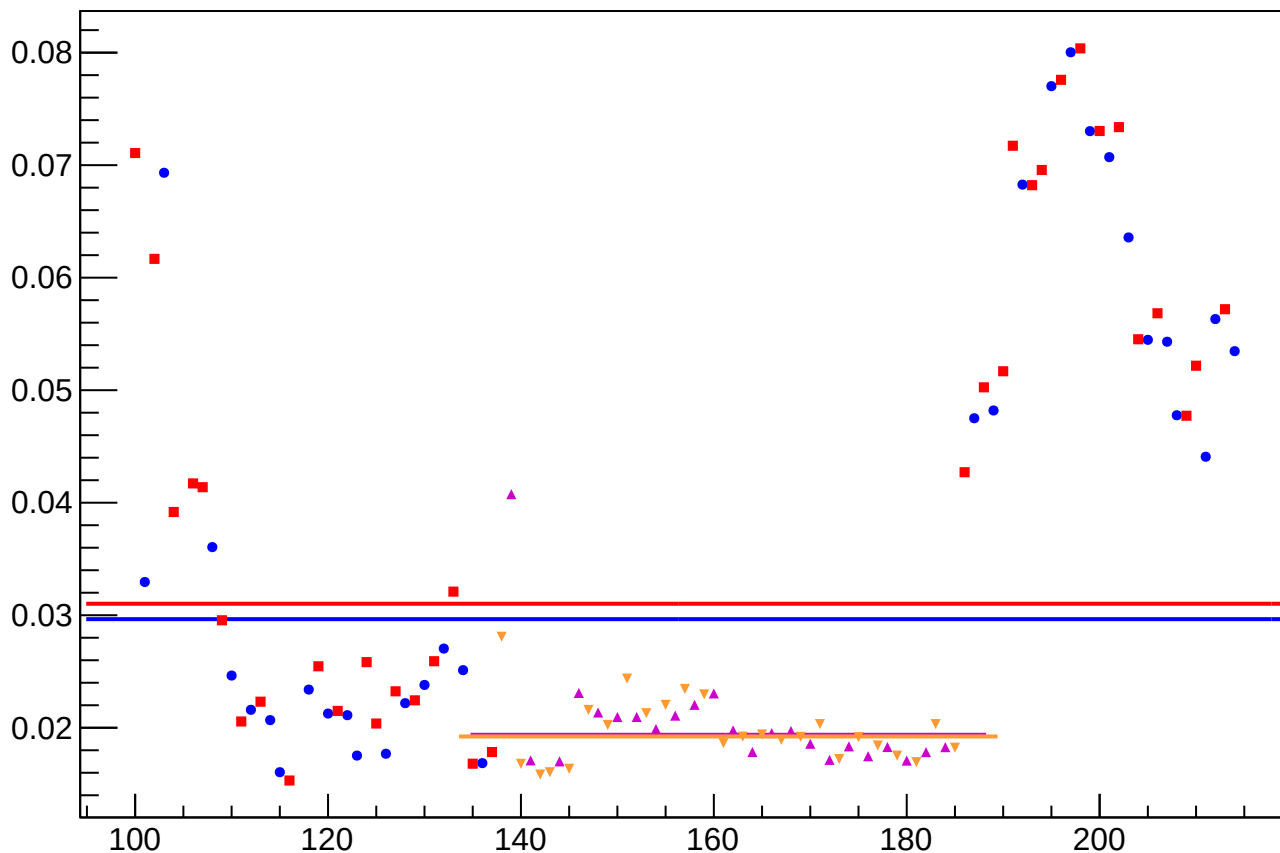
Left In: -0.450 ± 0.000 χ^2/NDF : 76151485.7/22

+ sign -0.485 ± 0.000 χ^2/NDF : 308548798.1/55

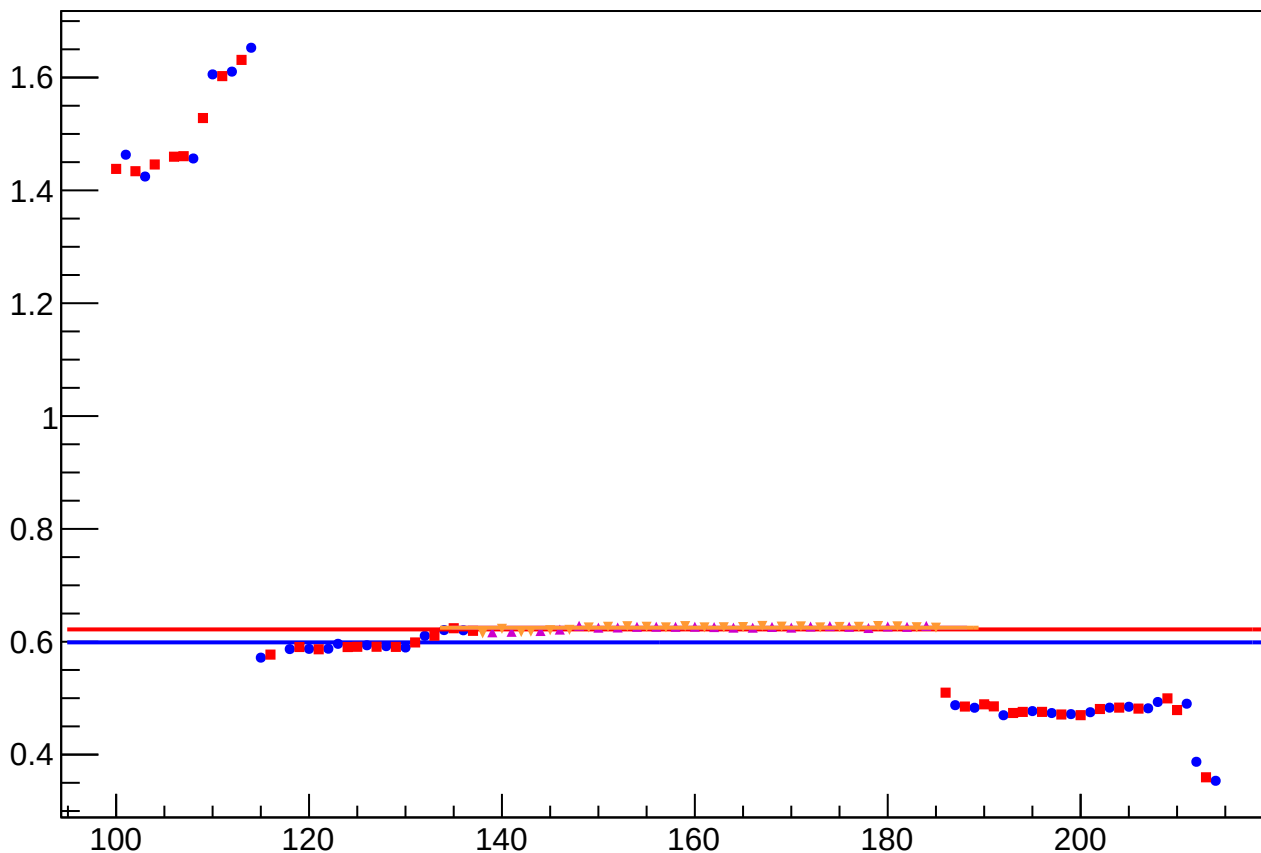
All: -0.482 ± 0.000 χ^2/NDF : 607068760.3/11

- sign -0.480 ± 0.000 χ^2/NDF : 297792902.3/56

yield_bpm4aX_rms vs Slug



yield_bpm4aY_mean vs Slug



Right In: 0.599+/-0.000 χ^2/NDF : 5361385629.6/30

Left Out: 0.625+/-0.000 χ^2/NDF :1442225.6/24

Right Out: 0.622+/-0.000 χ^2/NDF : 6321066117.3/33

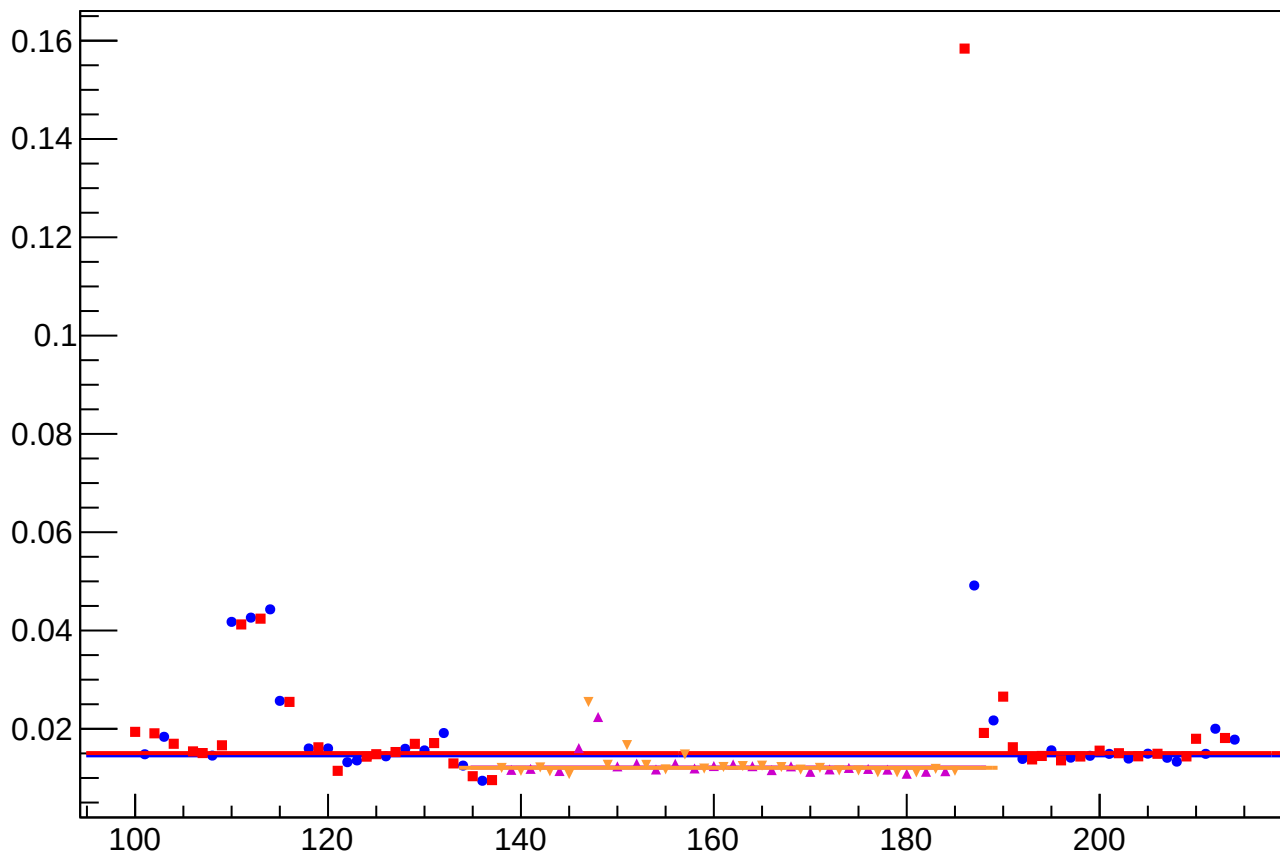
Left In: 0.625+/-0.000 χ^2/NDF :1135039.4/22

+ sign 0.615+/-0.000 χ^2/NDF : 5392899269.0/55

All: 0.619+/-0.000 χ^2/NDF : 11721995324.7/1

- sign 0.624+/-0.000 χ^2/NDF : 6322570884.9/56

yield_bpm4aY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1817126.3/30

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2156935.1/33

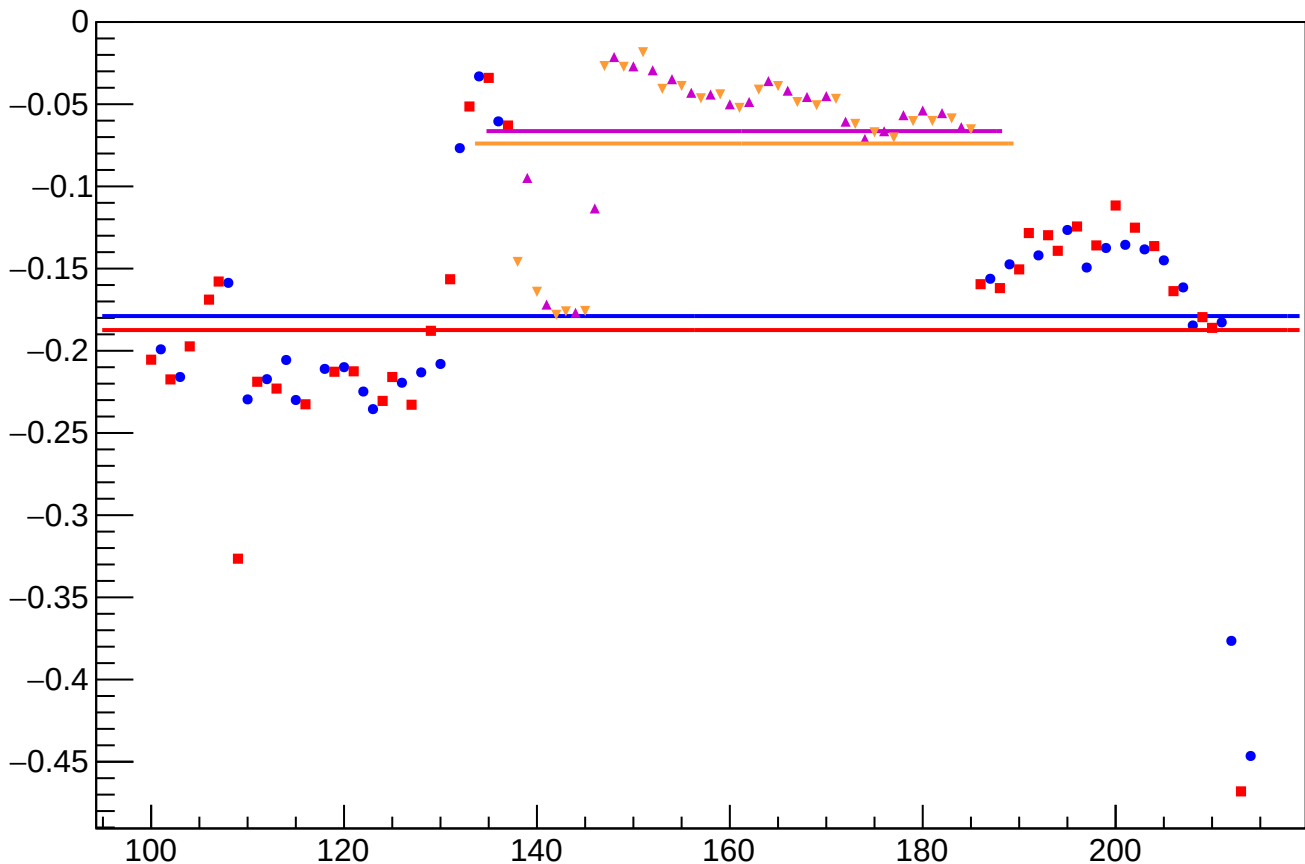
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3042931.4/55

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6424361.7/112

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3372171.3/56

yield_bpm4eX_mean vs Slug



Right In: -0.179 ± 0.000 χ^2/NDF : 101239506.6/30

Left Out: -0.074 ± 0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.187 ± 0.000 χ^2/NDF : 106124003.8/33

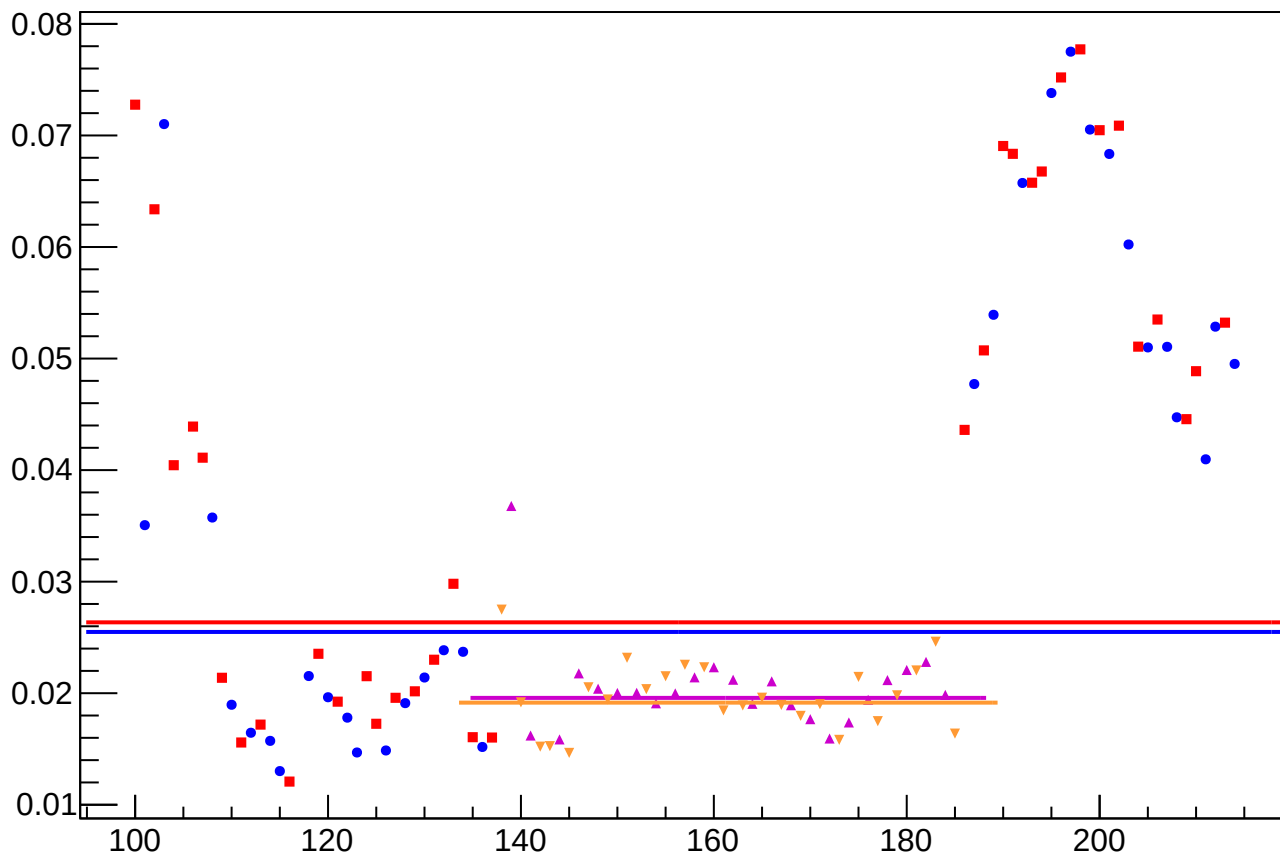
Left In: -0.066 ± 0.000 χ^2/NDF : 76283954.4/22

+ sign -0.104 ± 0.000 χ^2/NDF : 341400487.7/55

All: -0.104 ± 0.000 χ^2/NDF : 690697840.9/11

- sign -0.103 ± 0.000 χ^2/NDF : 349247901.6/56

yield_bpm4eX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 8483262.9/30

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641027.3/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 8765518.7/33

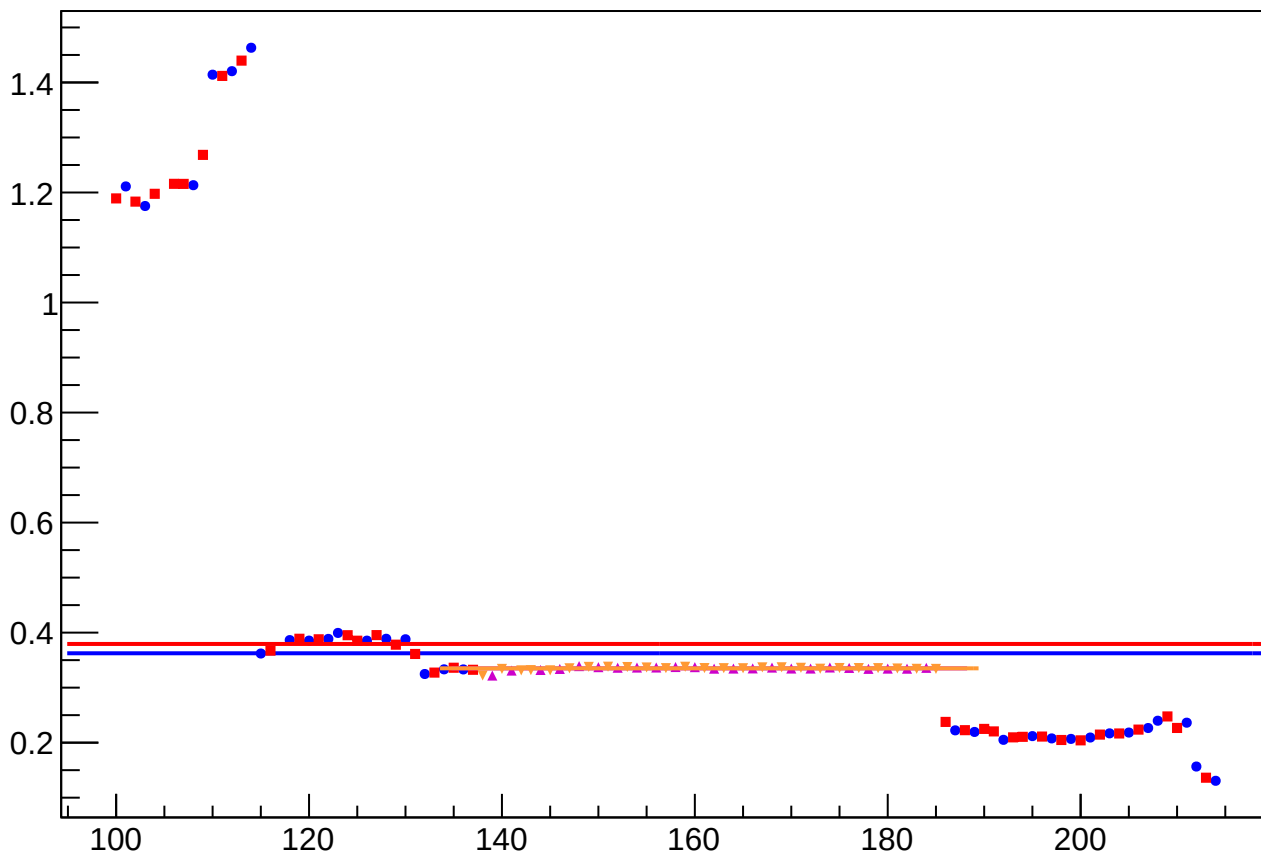
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 10088682.6/55

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 20573177.9/112

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10461692.1/56

yield_bpm4eY_mean vs Slug



Right In: 0.362 $\pm$ 0.000 χ^2 /NDF: 7801738341.7/30

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1153956.7/24

Right Out: 0.379 $\pm$ 0.000 χ^2 /NDF: 8819291176.3/33

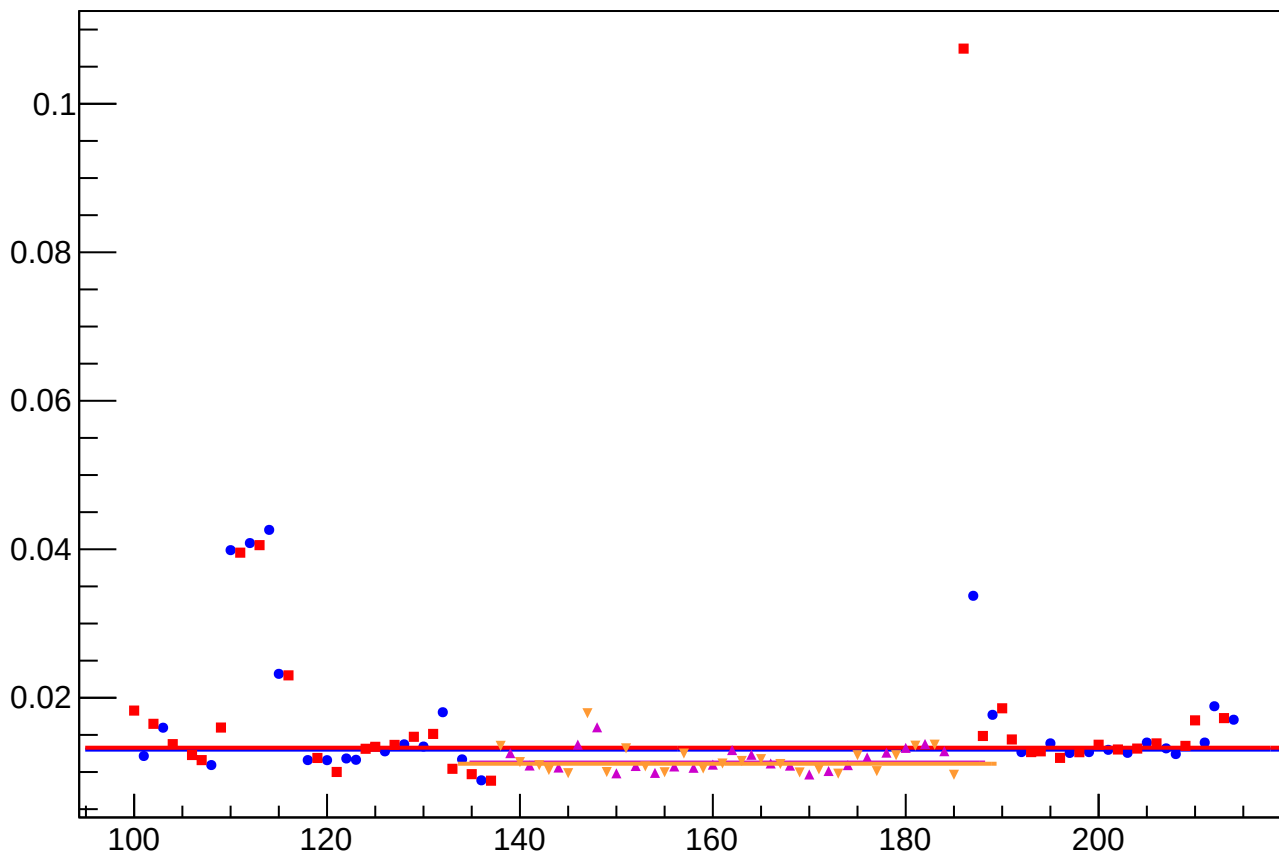
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1198302.8/22

+ sign 0.346 $\pm$ 0.000 χ^2 /NDF: 7843663916.8/55

All: 0.349 $\pm$ 0.000 χ^2 /NDF: 16772451616.8/1

- sign 0.353 $\pm$ 0.000 χ^2 /NDF: 8923188038.1/56

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1769832.9/30

Left Out: 0.011+/-0.000 χ^2/NDF : 608235.7/24

Right Out: 0.013+/-0.000 χ^2/NDF : 2089755.1/33

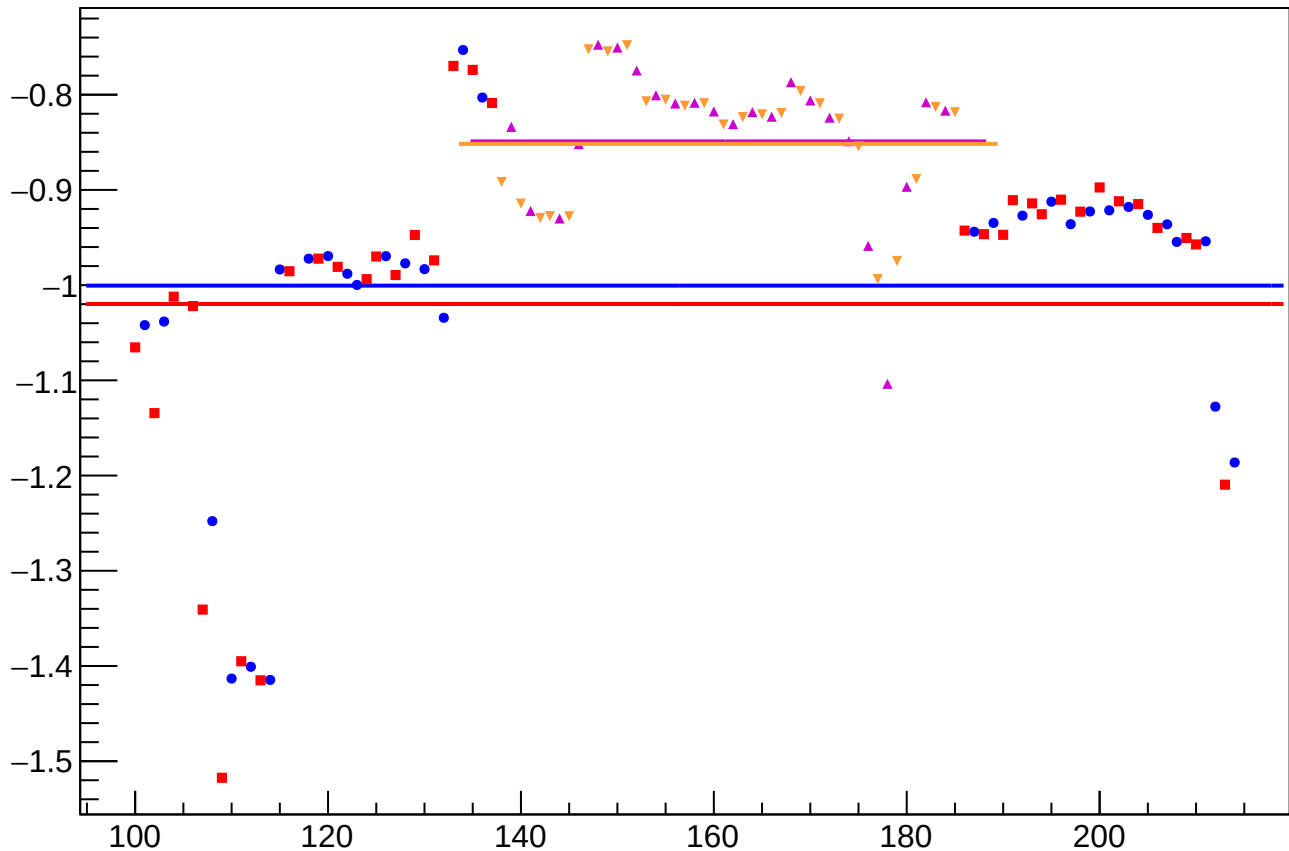
Left In: 0.011+/-0.000 χ^2/NDF : 502226.7/22

+ sign 0.012+/-0.000 χ^2/NDF : 2771189.1/55

All: 0.012+/-0.000 χ^2/NDF : 5791429.0/112

- sign 0.012+/-0.000 χ^2/NDF : 3008945.1/56

yield_bpm4acX_mean vs Slug



Right In: -1.001 ± 0.000 χ^2/NDF : 418235747.2/30

Left Out: -0.852 ± 0.000 χ^2/NDF : 189276591.7/24

Right Out: -1.020 ± 0.000 χ^2/NDF : 567656432.7/33

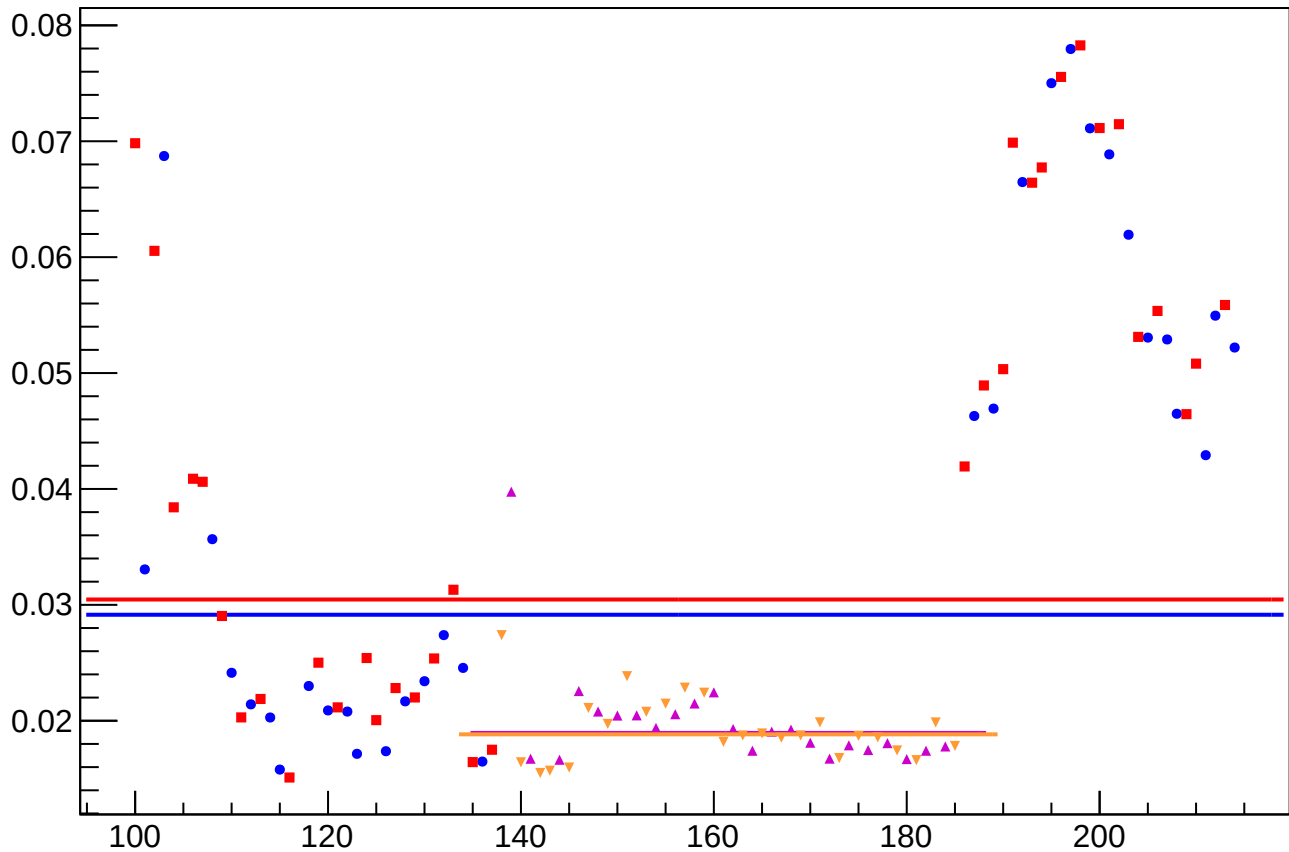
Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

+ sign -0.888 ± 0.000 χ^2/NDF : 836528230.7/55

All: -0.890 ± 0.000 χ^2/NDF : 1947432893.9/1

- sign -0.892 ± 0.000 χ^2/NDF : 1110556441.8/56

yield_bpm4acX_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 7182142.4/30

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490084.5/24

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 7106194.8/33

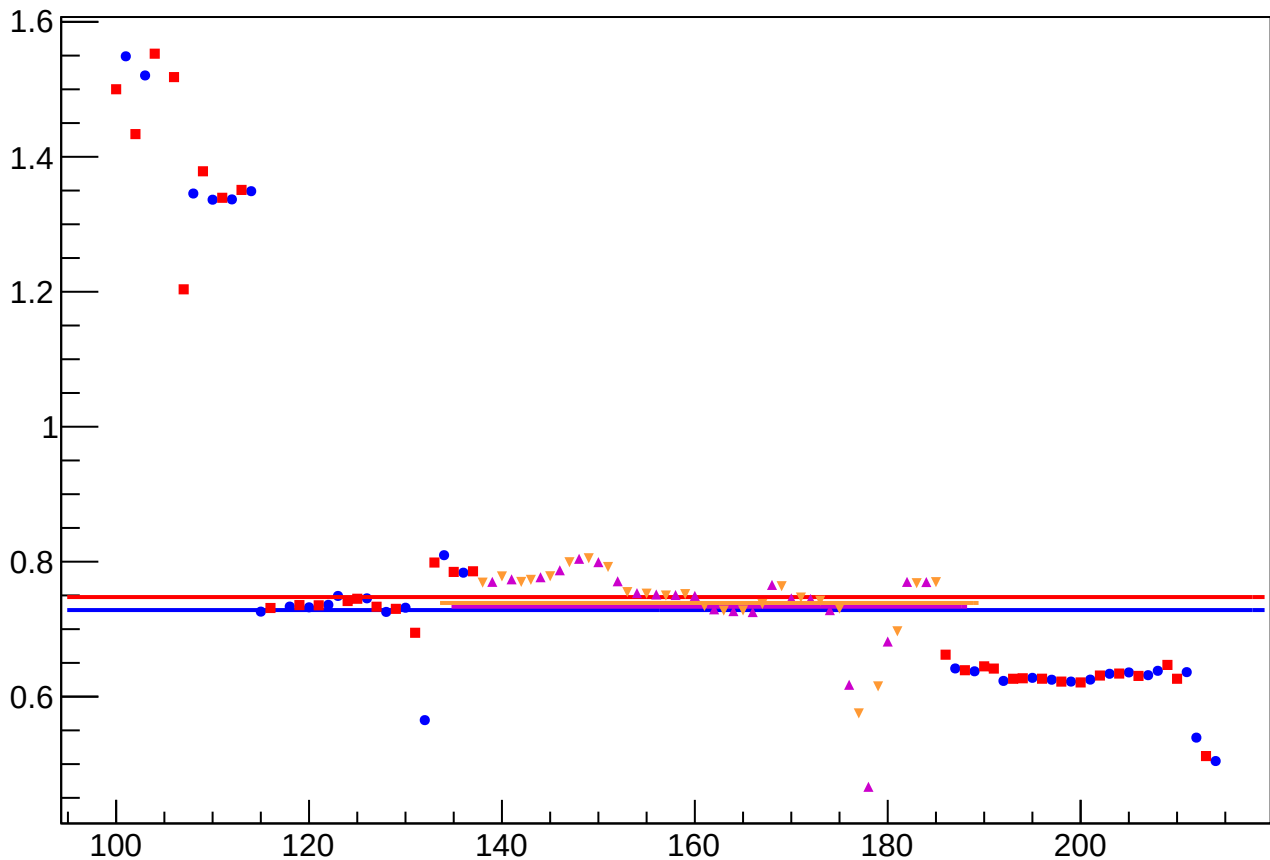
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:645048.1/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9872506.5/55

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 20239676.5/112

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10355313.4/56

yield_bpm4acY_mean vs Slug



Right In: 0.728 ± 0.000 χ^2/NDF : 3712033342.2/30

Left Out: 0.739 ± 0.000 χ^2/NDF : 333086309.0/24

Right Out: 0.748 ± 0.000 χ^2/NDF : 3969186180.7/33

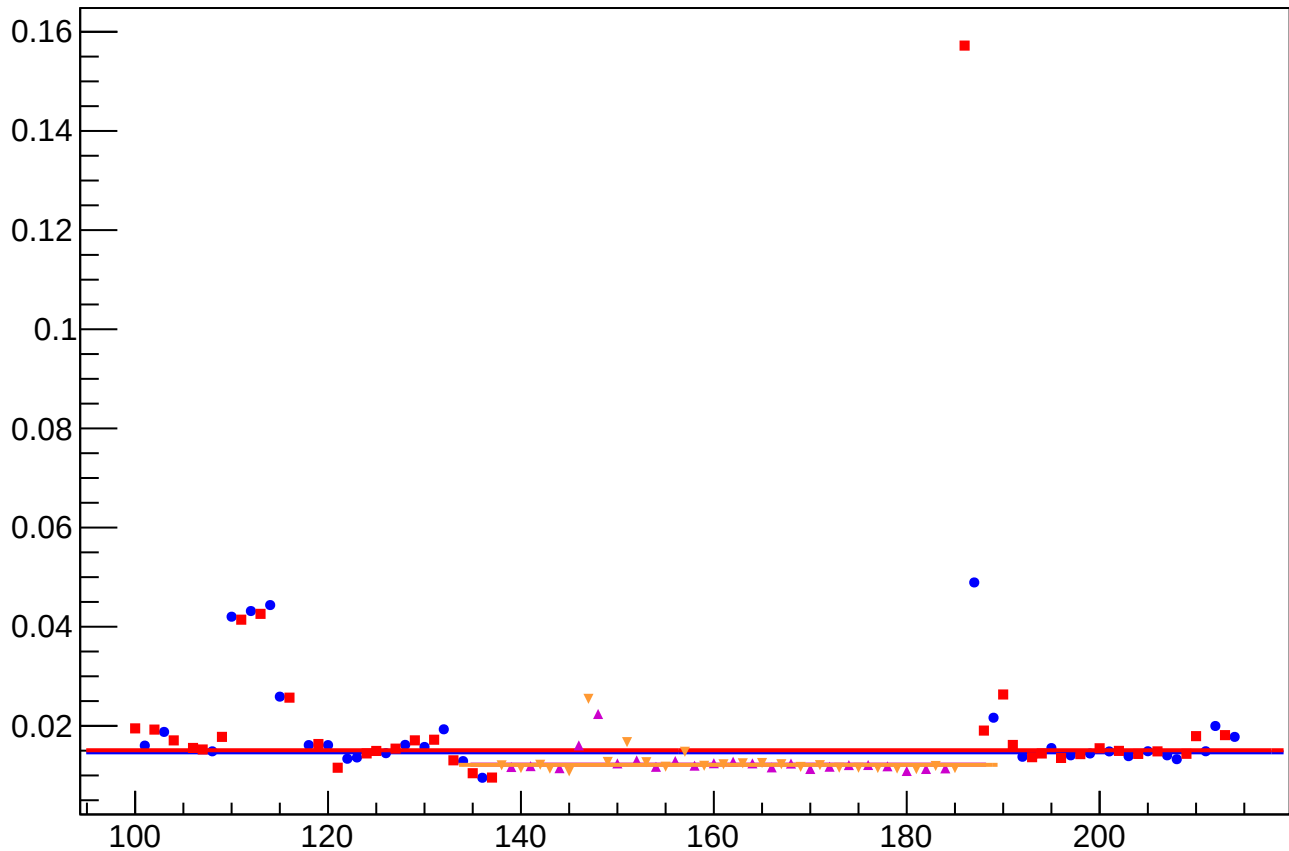
Left In: 0.733 ± 0.000 χ^2/NDF : 570264411.7/22

+ sign 0.735 ± 0.000 χ^2/NDF : 4049989791.6/55

All: 0.737 ± 0.000 χ^2/NDF : 8599240584.9/11

- sign 0.739 ± 0.000 χ^2/NDF : 4547994875.5/56

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1813003.5/30

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:638211.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2159488.4/33

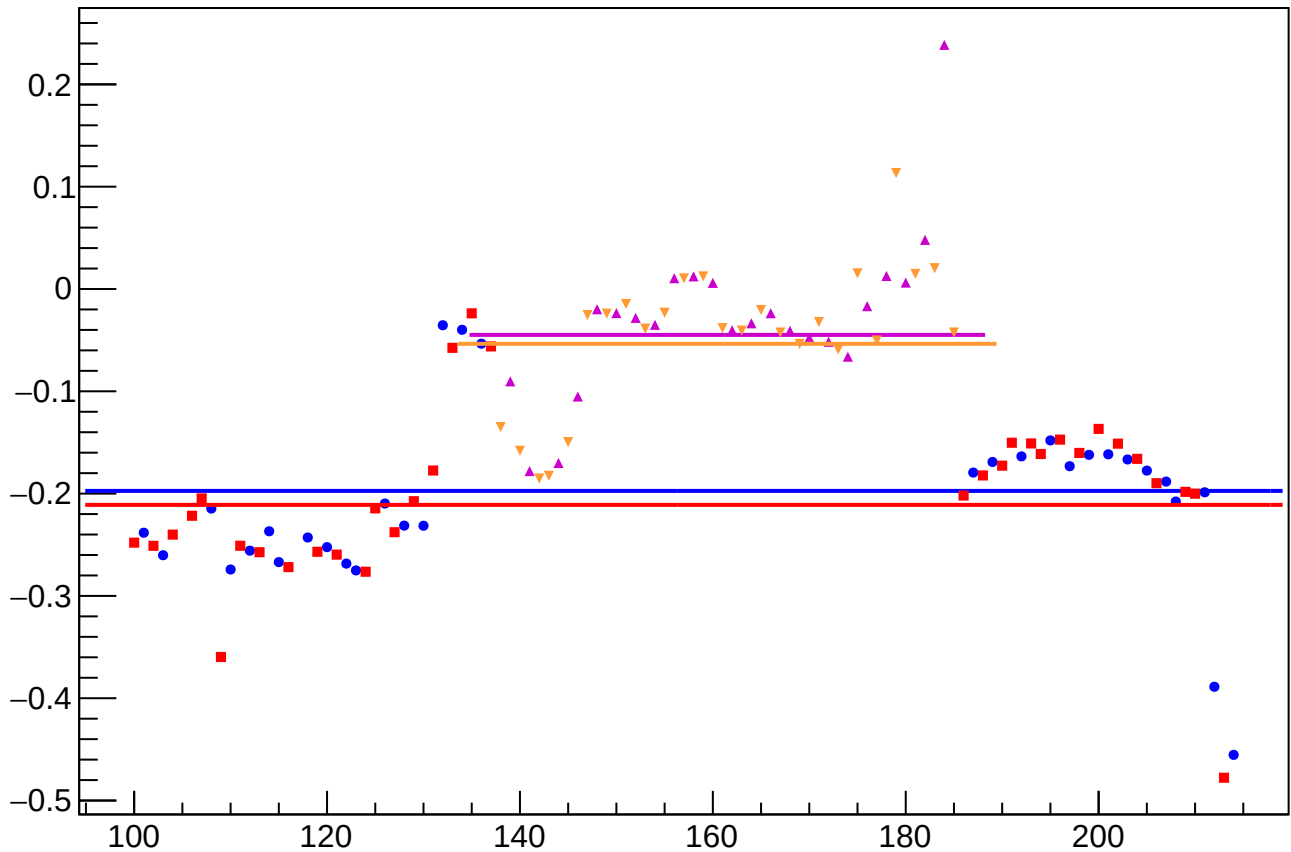
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481639.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3010465.3/55

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6365833.4/112

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3347871.7/56

yield_bpm4ecX_mean vs Slug



Right In: -0.197 ± 0.000 χ^2/NDF : 136728642.5/30

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.211 ± 0.000 χ^2/NDF : 131634957.6/33

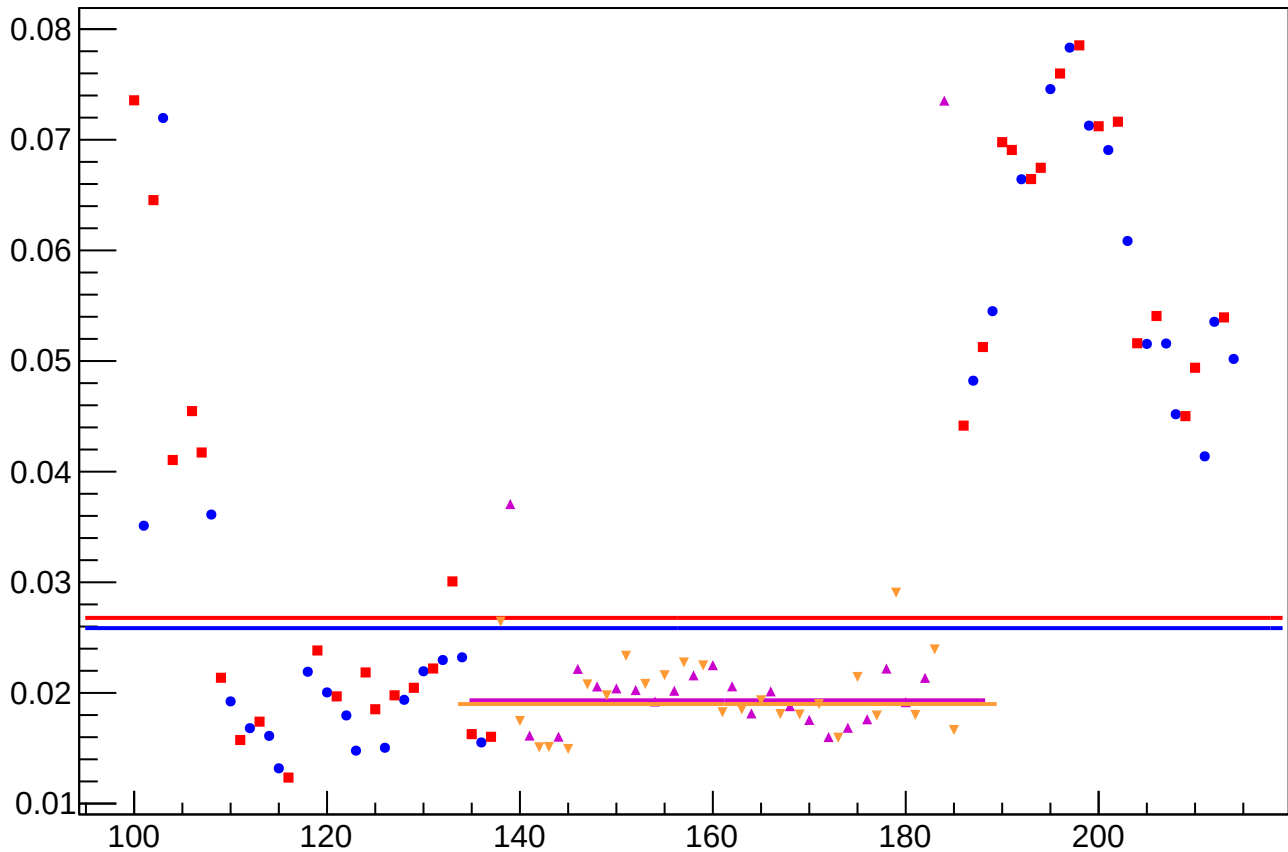
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.095 ± 0.000 χ^2/NDF : 547118360.5/55

All: -0.095 ± 0.000 χ^2/NDF : 1113462193.9/1

- sign -0.094 ± 0.000 χ^2/NDF : 566330377.6/56

yield_bpm4ecX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 8422709.5/30

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:699267.5/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 8707487.4/33

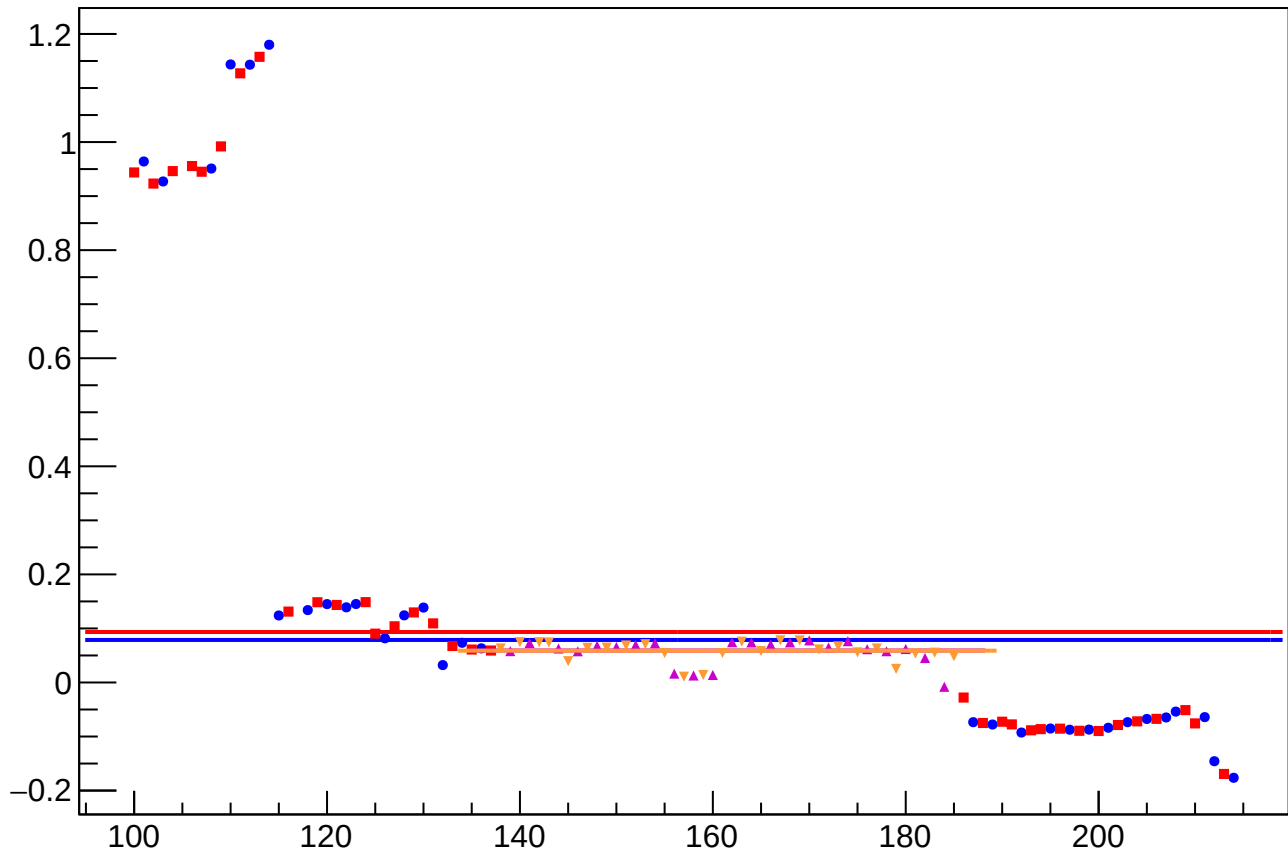
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:892810.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 10226770.4/55

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 21082319.5/112

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10837426.0/56

yield_bpm4ecY_mean vs Slug



Right In: 0.079 $\pm$ 0.000 χ^2 /NDF: 8485798651.7/30

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 9346648717.7/33

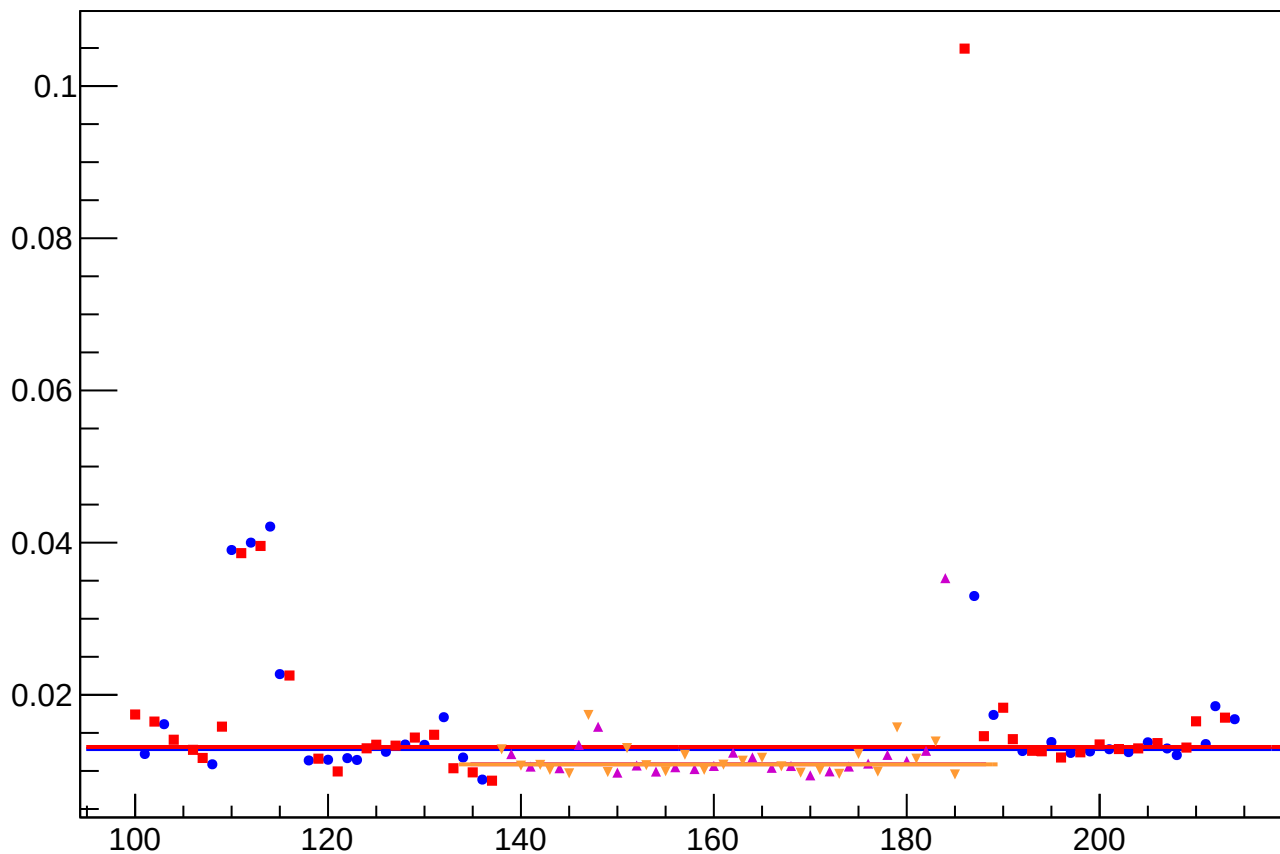
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.067 $\pm$ 0.000 χ^2 /NDF: 8554486677.3/55

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 18026930128.7/100

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 9468192095.4/56

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1724140.5/30

Left Out: 0.011+/-0.000 χ^2/NDF : 605519.3/24

Right Out: 0.013+/-0.000 χ^2/NDF : 2034015.4/33

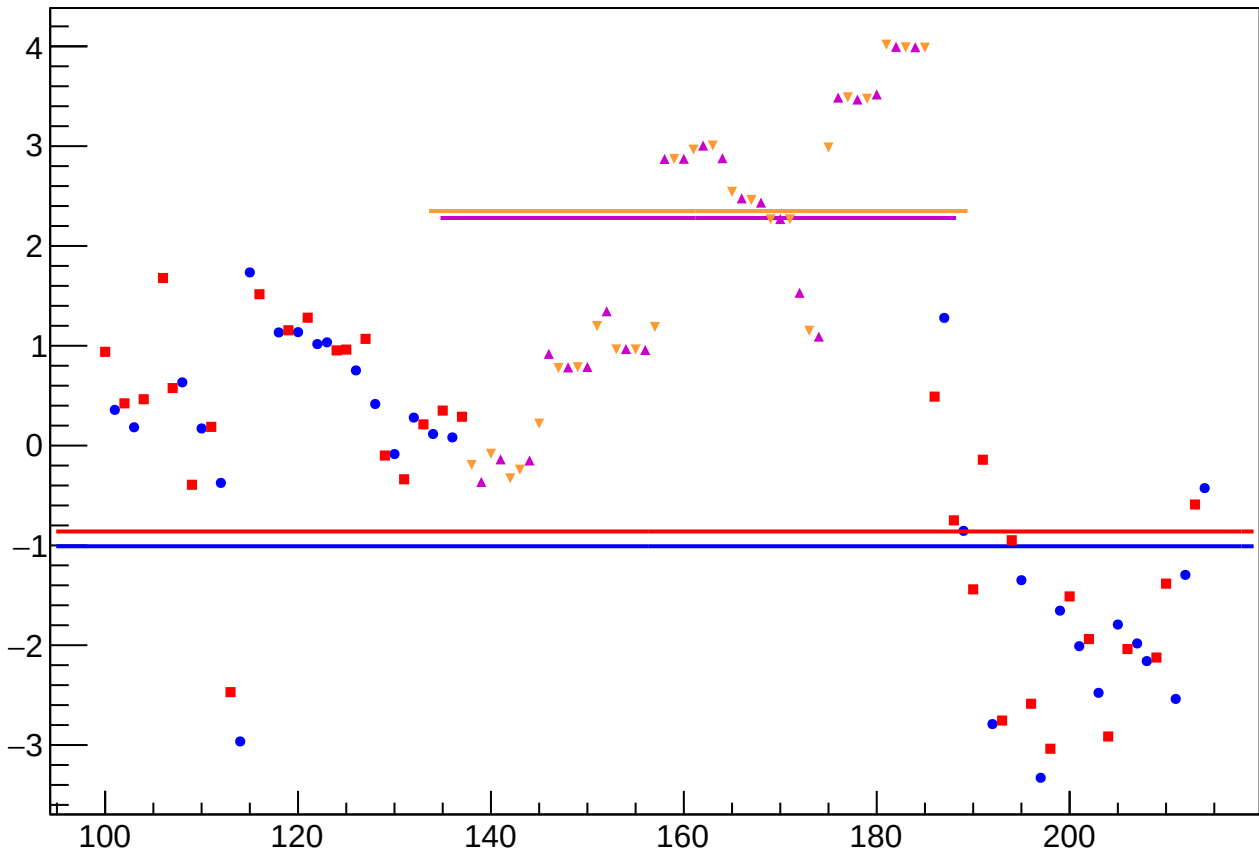
Left In: 0.011+/-0.000 χ^2/NDF : 529867.3/22

+ sign 0.012+/-0.000 χ^2/NDF : 2779760.5/55

All: 0.012+/-0.000 χ^2/NDF : 5894145.6/112

- sign 0.012+/-0.000 χ^2/NDF : 3110117.2/56

yield_bpm1X_mean vs Slug



Right In: -1.009 ± 0.000 χ^2/NDF : 7803842569.5/30

Left Out: 2.349 ± 0.000 χ^2/NDF : 63600066268.3/24

Right Out: -0.861 ± 0.000 χ^2/NDF : 8174005805.3/33

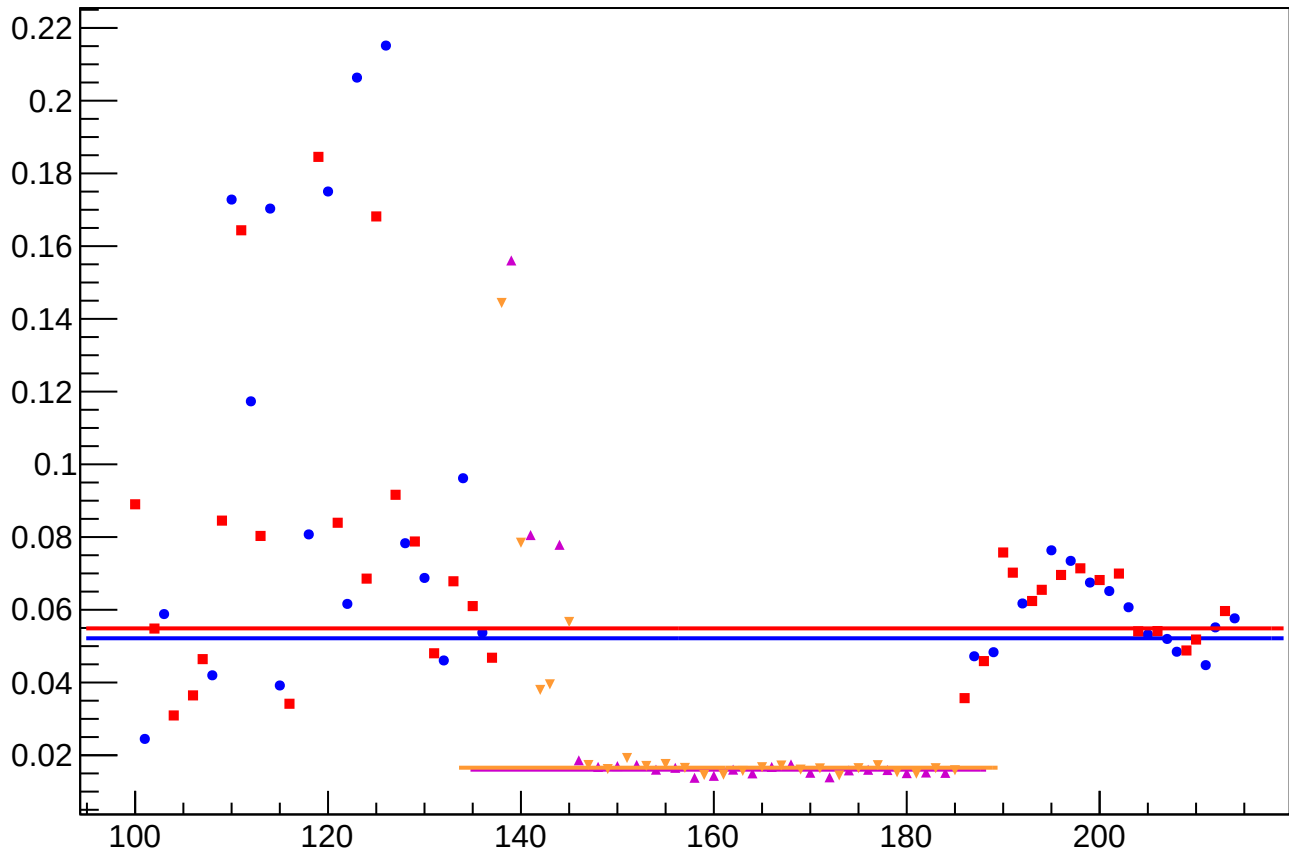
Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

+ sign 2.070 ± 0.000 χ^2/NDF : 119379799961.6/55

All: 2.052 ± 0.000 χ^2/NDF : 229410048227.7

- sign 2.034 ± 0.000 χ^2/NDF : 109993523412.5/56

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3523580.9/30

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2874153.3/33

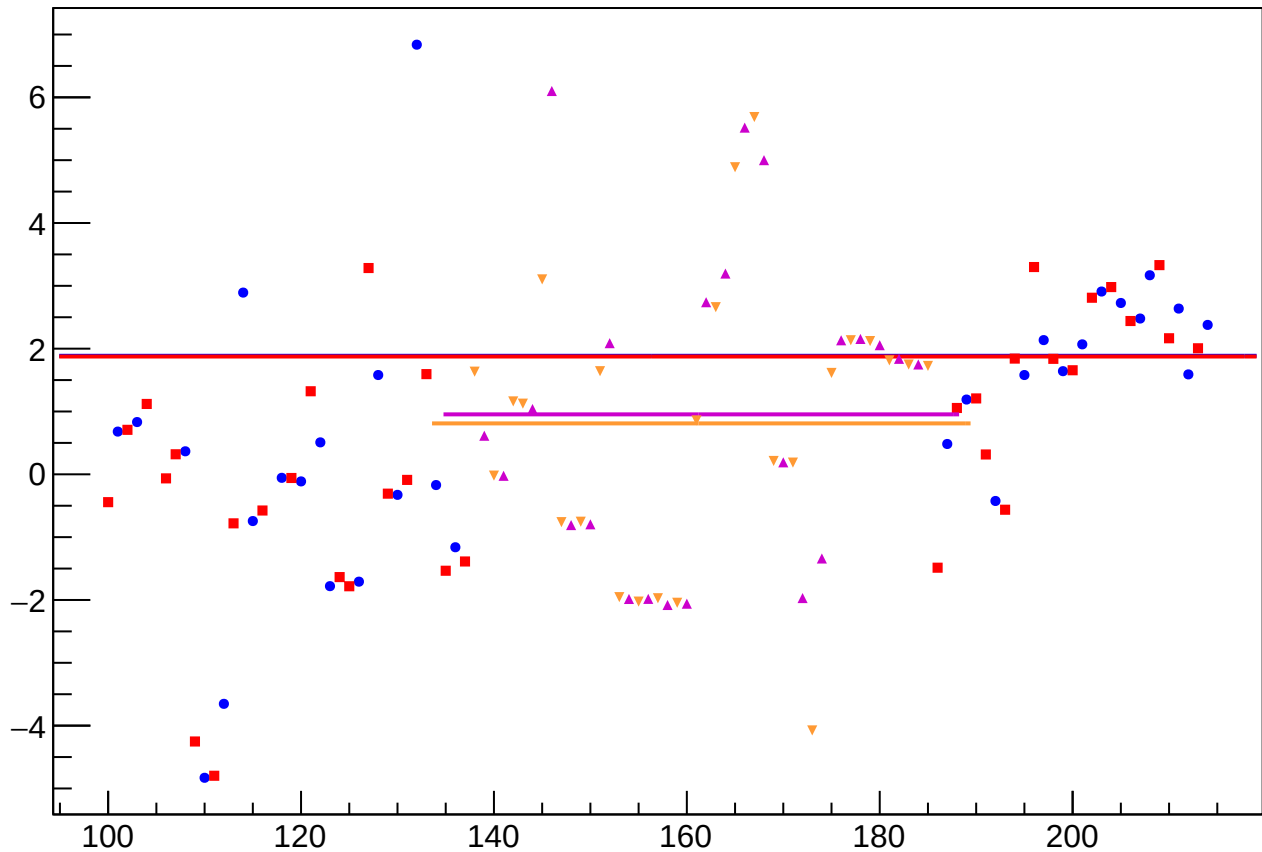
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 16923316.2/55

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 34633169.8/112

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 17697922.4/56

yield_bpm1Y_mean vs Slug



Right In: 1.886 $\pm$ 0.000 χ^2 /NDF: 38967001500.8/30

Left Out: 0.810 $\pm$ 0.000 χ^2 /NDF: 507583198570.2/24

Right Out: 1.875 $\pm$ 0.000 χ^2 /NDF: 39531034115.6/33

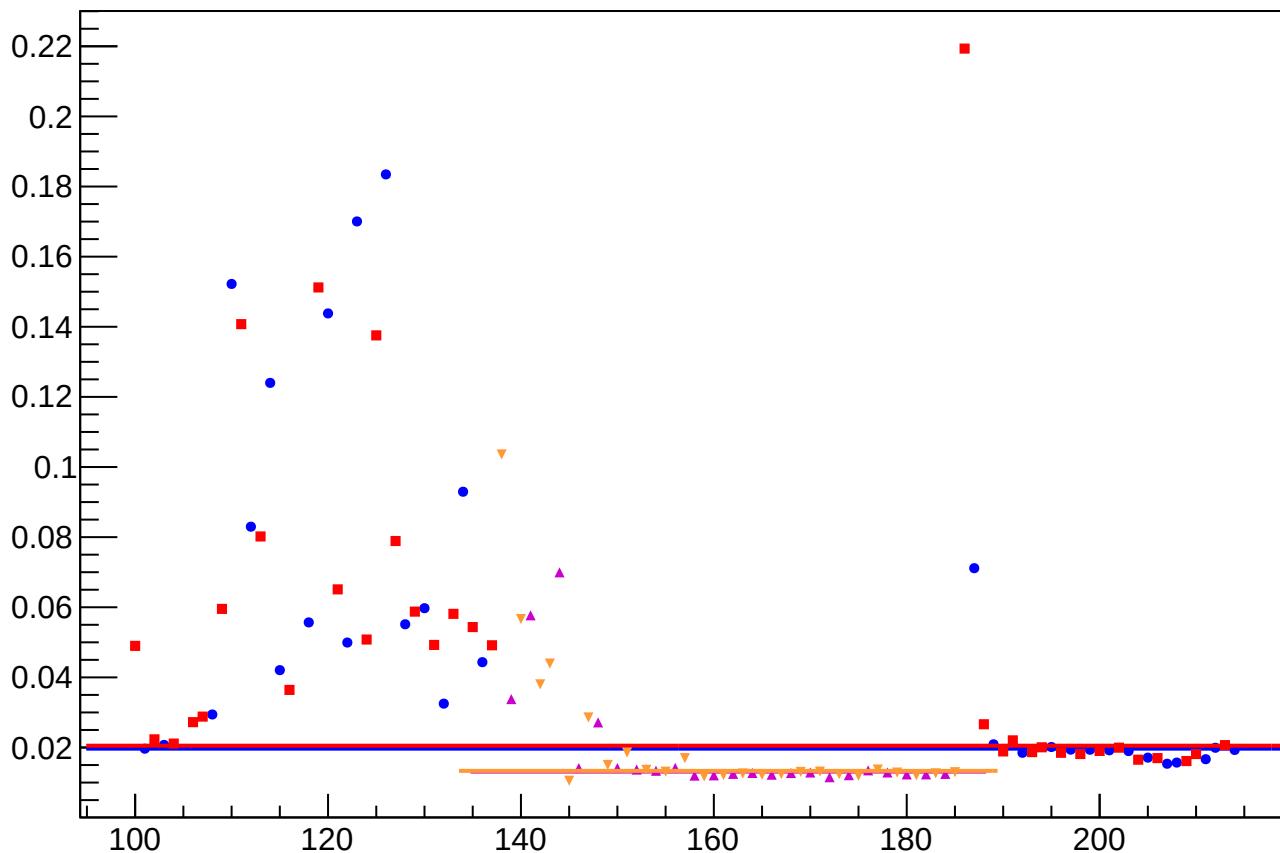
Left In: 0.954 $\pm$ 0.000 χ^2 /NDF: 574792794608.3/22

+ sign 1.088 $\pm$ 0.000 χ^2 /NDF: 571971504108.0/55

All: 1.133 $\pm$ 0.000 χ^2 /NDF: 1204523741239.

- sign 1.179 $\pm$ 0.000 χ^2 /NDF: 632075406583.6/56

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 4113612.1/30

Left Out: 0.013+/-0.000 χ^2/NDF : 2829070.5/24

Right Out: 0.021+/-0.000 χ^2/NDF : 5167525.6/33

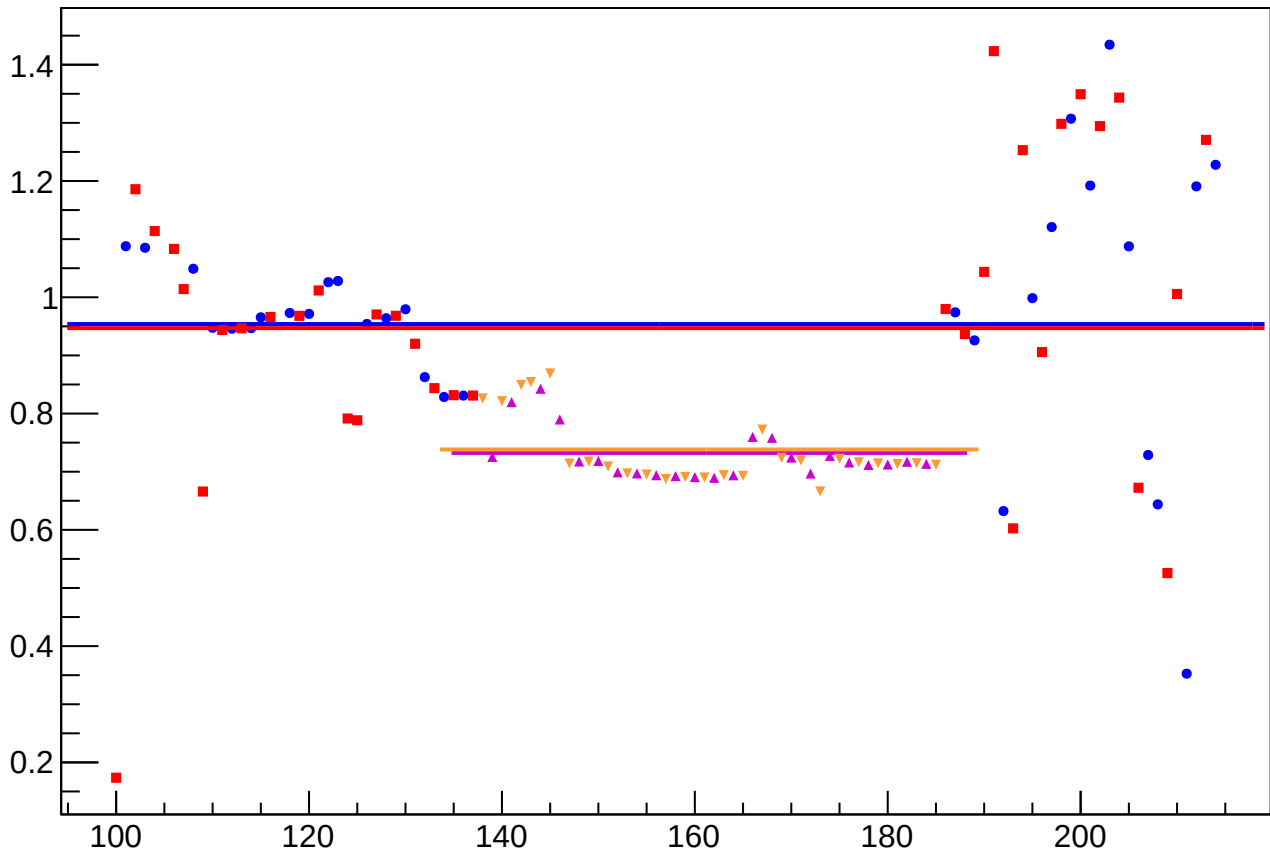
Left In: 0.013+/-0.000 χ^2/NDF : 1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8705398.0/55

All: 0.015+/-0.000 χ^2/NDF : 18123326.5/112

- sign 0.015+/-0.000 χ^2/NDF : 9417785.8/56

yield_bpm11X_mean vs Slug



Right In: 0.954 $\pm$ 0.000 χ^2 /NDF: 969674238.5/30

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

+ sign 0.805 $\pm$ 0.000 χ^2 /NDF: 2534286459.4/55

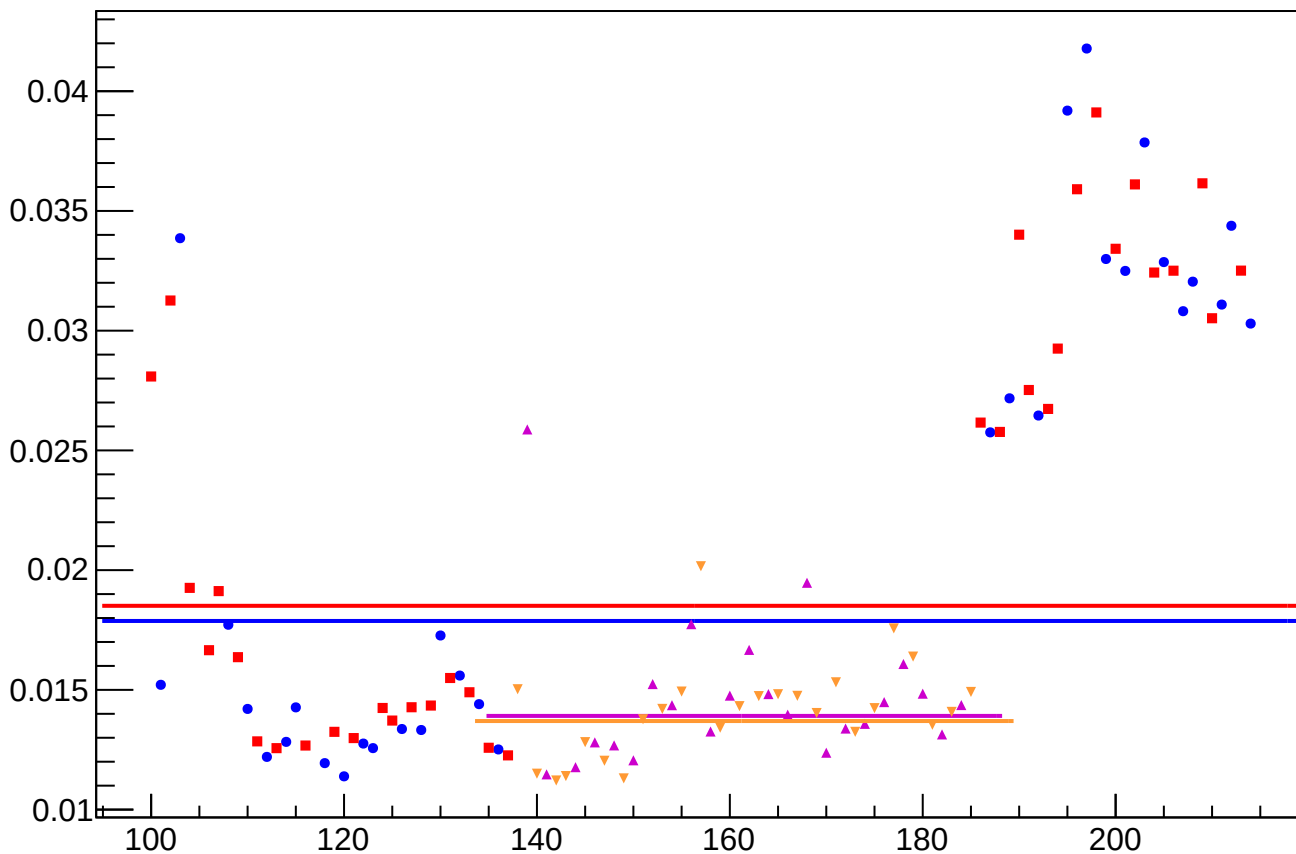
Right Out: 0.947 $\pm$ 0.000 χ^2 /NDF: 1201149116.4/33

All: 0.804 $\pm$ 0.000 χ^2 /NDF: 5113286273.7/11

- sign 0.802 $\pm$ 0.000 χ^2 /NDF: 2578384116.4/56

Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

yield_bpm11X_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 5372897.6/30

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:530851.9/24

Right Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 4797104.4/33

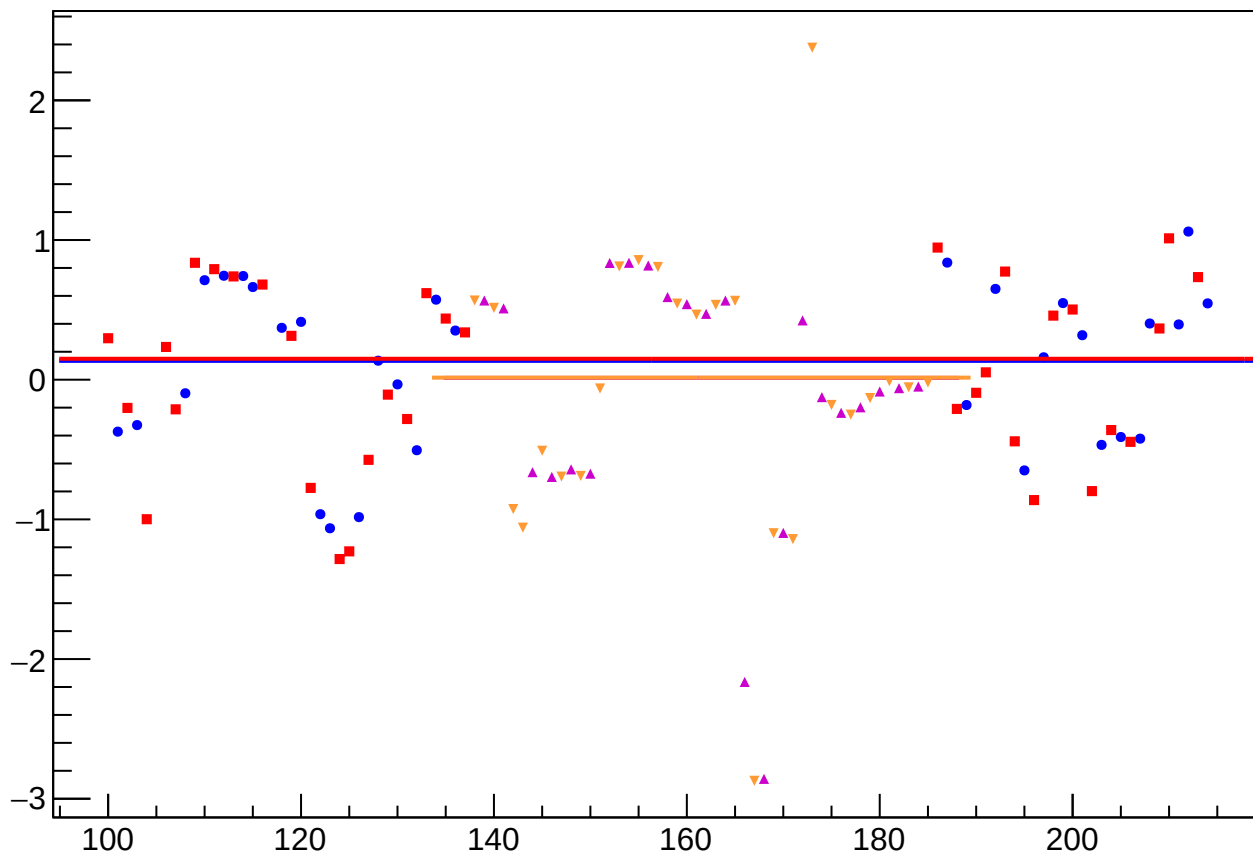
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:794558.0/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 6845173.5/55

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 13565173.3/112

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 6699318.8/56

yield_bpm11Y_mean vs Slug



Right In: 0.135 $\pm$ 0.000 χ^2 /NDF: 29599918926.8/30

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96087835995.8/24

Right Out: 0.150 $\pm$ 0.000 χ^2 /NDF: 40756258999.6/33

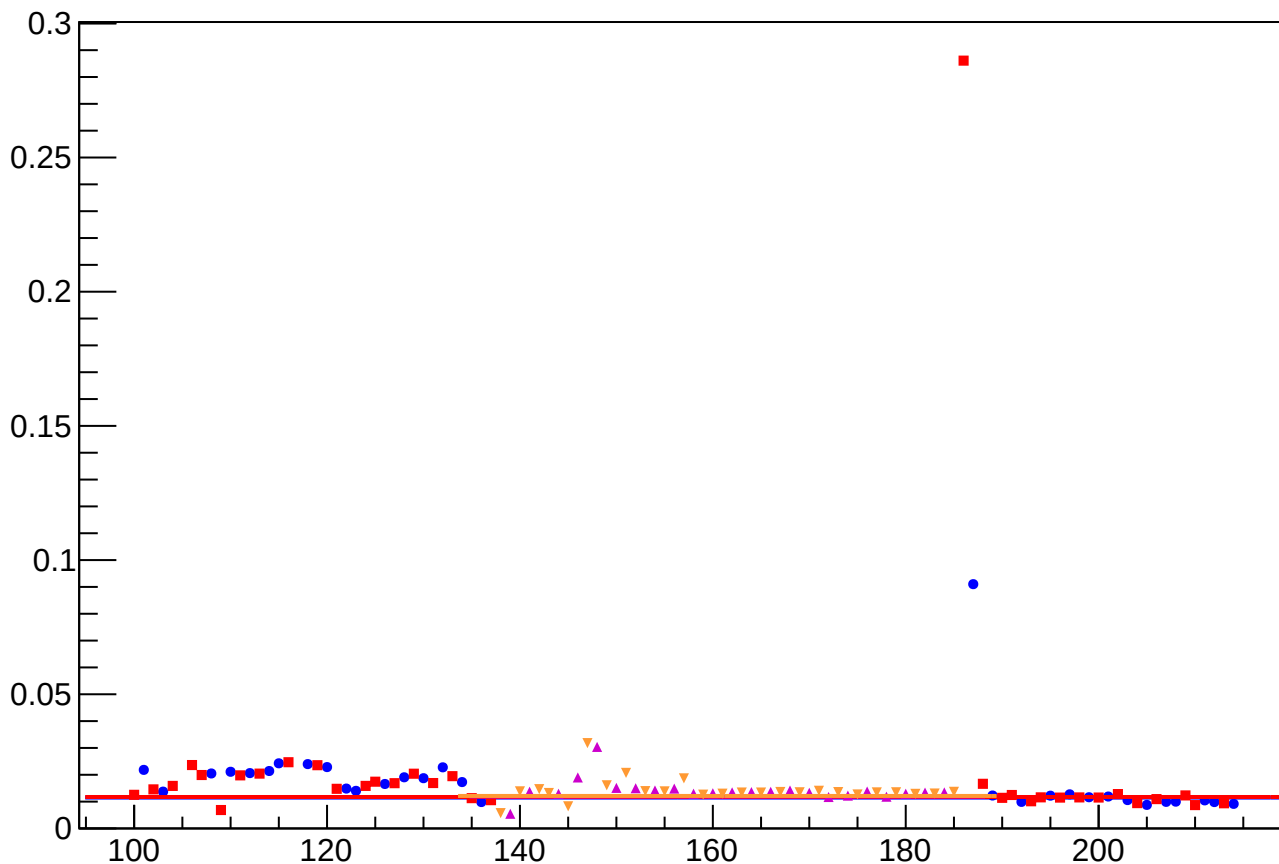
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 126458111863.5/55

All: 0.077 $\pm$ 0.000 χ^2 /NDF: 247638650366.2

- sign 0.080 $\pm$ 0.000 χ^2 /NDF: 121175976412.9/56

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2499662.8/30

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2971200.7/33

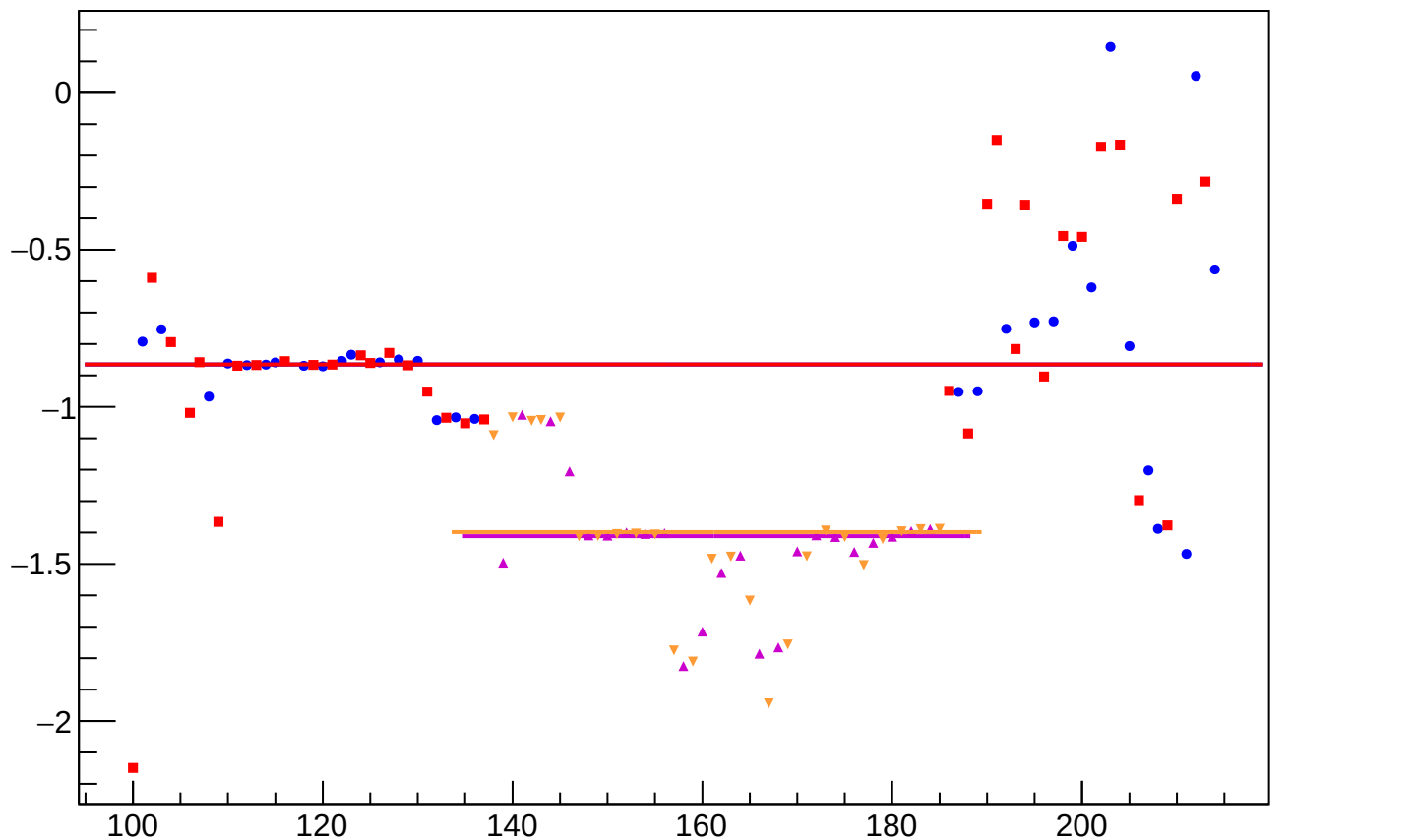
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5645847.1/55

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11727257.5/112

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6081402.2/56

yield_bpm12X_mean vs Slug



Right In: -0.865+/-0.000 χ^2/NDF : 349315797.5/30

Left Out: -1.398+/-0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.865+/-0.000 χ^2/NDF : 482589953.7/33

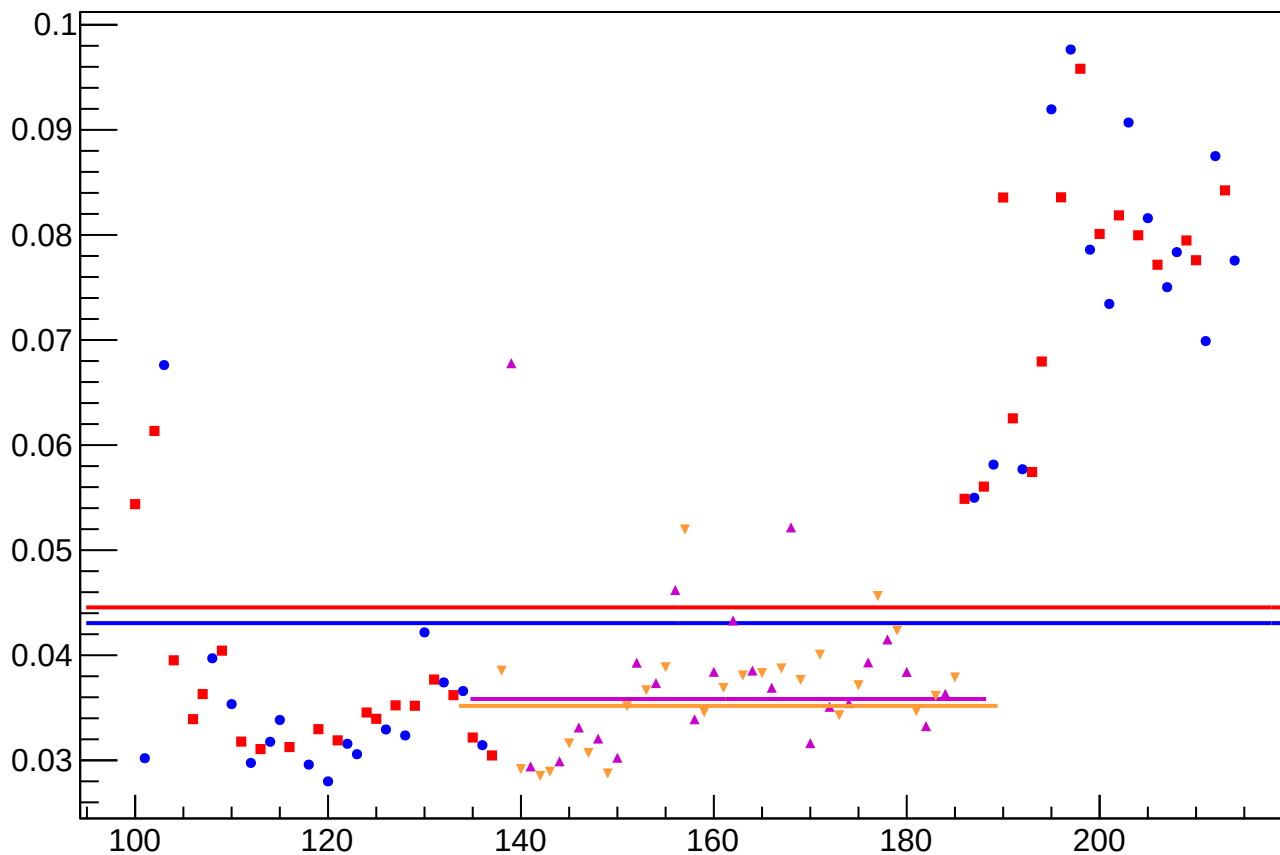
Left In: -1.412+/-0.000 χ^2/NDF : 512629872.4/22

+ sign -1.213+/-0.000 χ^2/NDF : 2365415811.8/55

All: -1.213+/-0.000 χ^2/NDF : 4661723963.6/1

- sign -1.213+/-0.000 χ^2/NDF : 2296304238.5/56

yield_bpm12X_rms vs Slug



Right In: 0.043 $\pm$ 0.000 χ^2 /NDF: 5155114.3/30

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.045 $\pm$ 0.000 χ^2 /NDF: 4357113.0/33

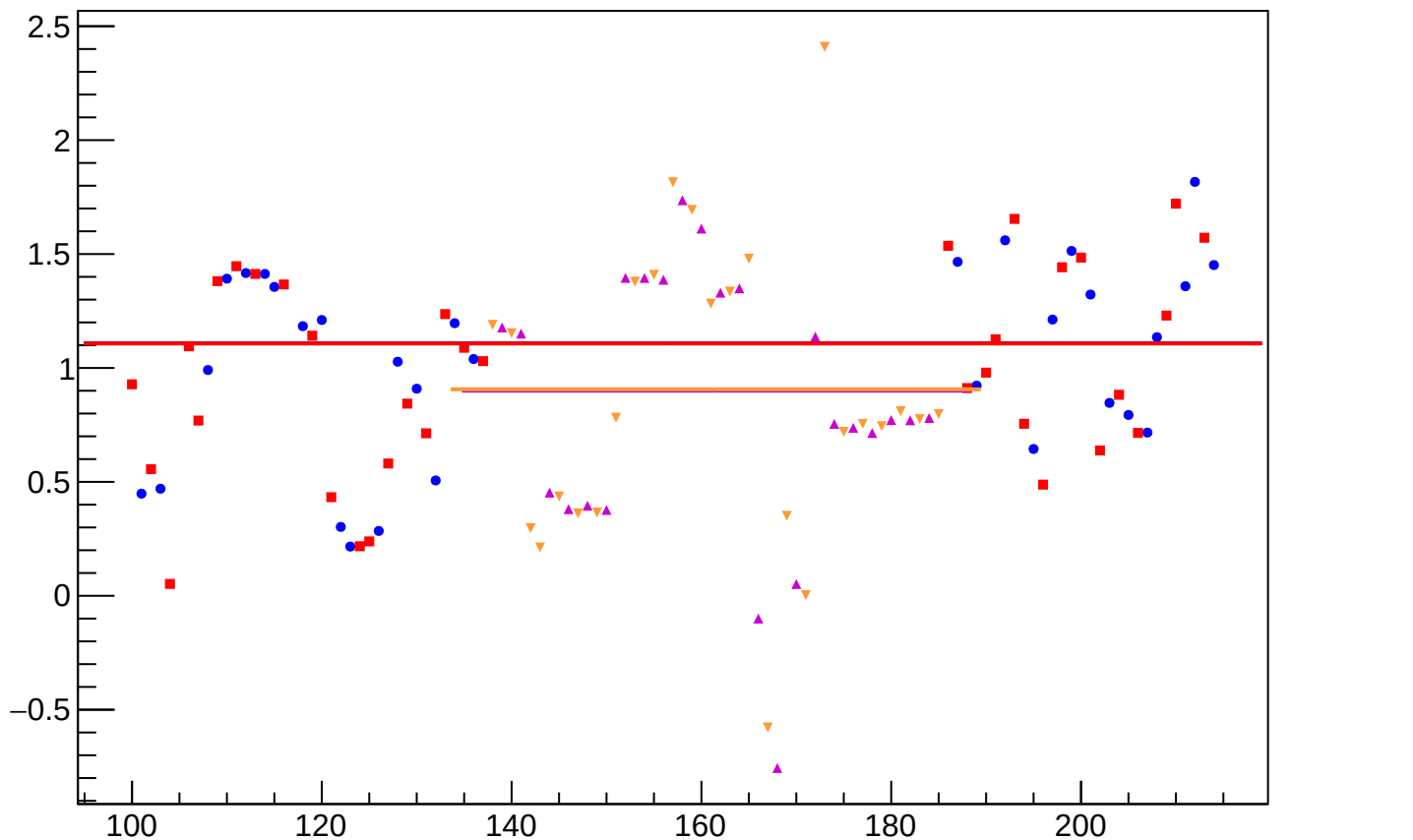
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.038 $\pm$ 0.000 χ^2 /NDF: 6312336.0/55

All: 0.038 $\pm$ 0.000 χ^2 /NDF: 12245926.1/112

- sign 0.039 $\pm$ 0.000 χ^2 /NDF: 5910449.7/56

yield_bpm12Y_mean vs Slug



Right In: 1.109 $\pm$ 0.000 χ^2 /NDF: 40070543265.6/30

Left Out: 0.906 $\pm$ 0.000 χ^2 /NDF: 84108410196.2/24

Right Out: 1.108 $\pm$ 0.000 χ^2 /NDF: 43647466060.9/33

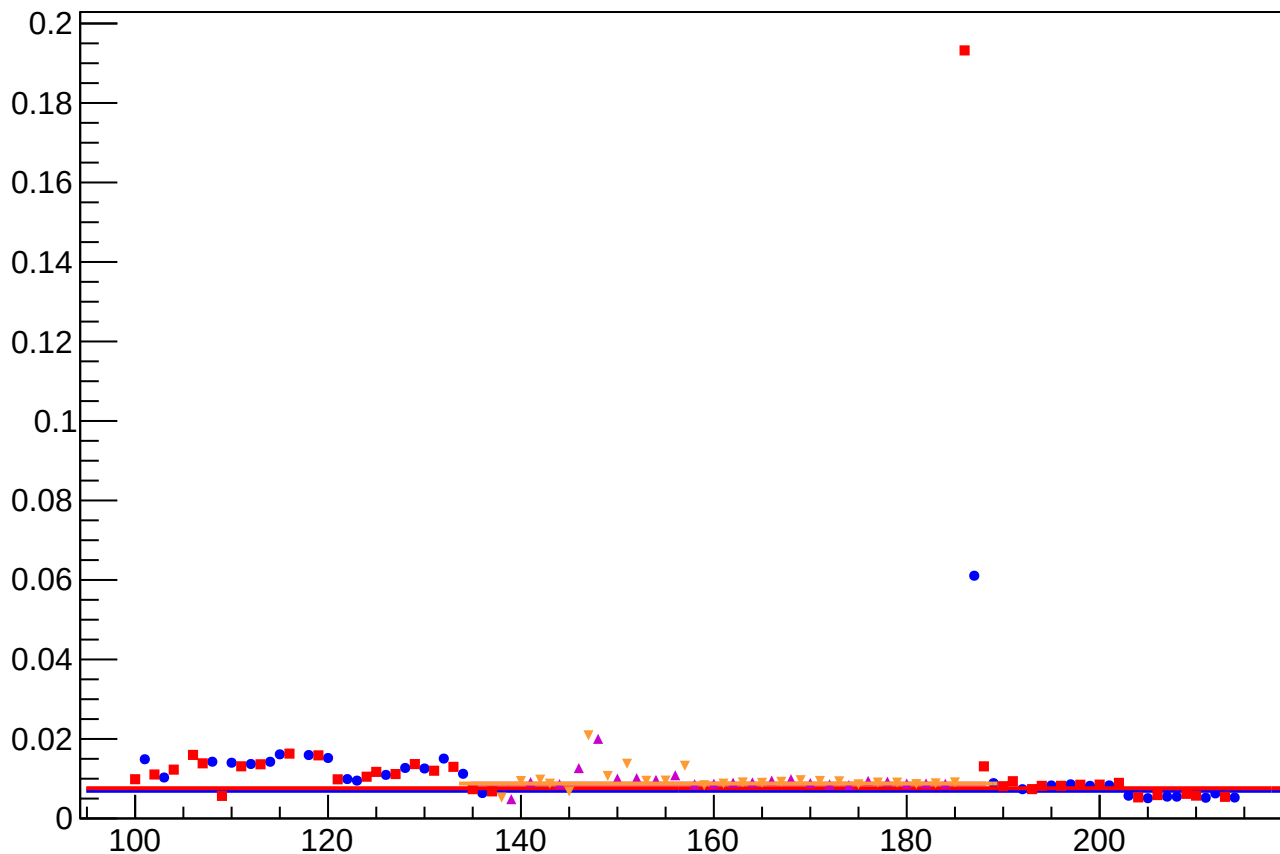
Left In: 0.901 $\pm$ 0.000 χ^2 /NDF: 66932223067.8/22

+ sign 1.021 $\pm$ 0.000 χ^2 /NDF: 129240236627.8/55

All: 1.017 $\pm$ 0.000 χ^2 /NDF: 244641071762.6

- sign 1.012 $\pm$ 0.000 χ^2 /NDF: 115384421154.9/56

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 3575021.5/30

Left Out: 0.009+/-0.000 χ^2/NDF : 1698526.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3683927.5/33

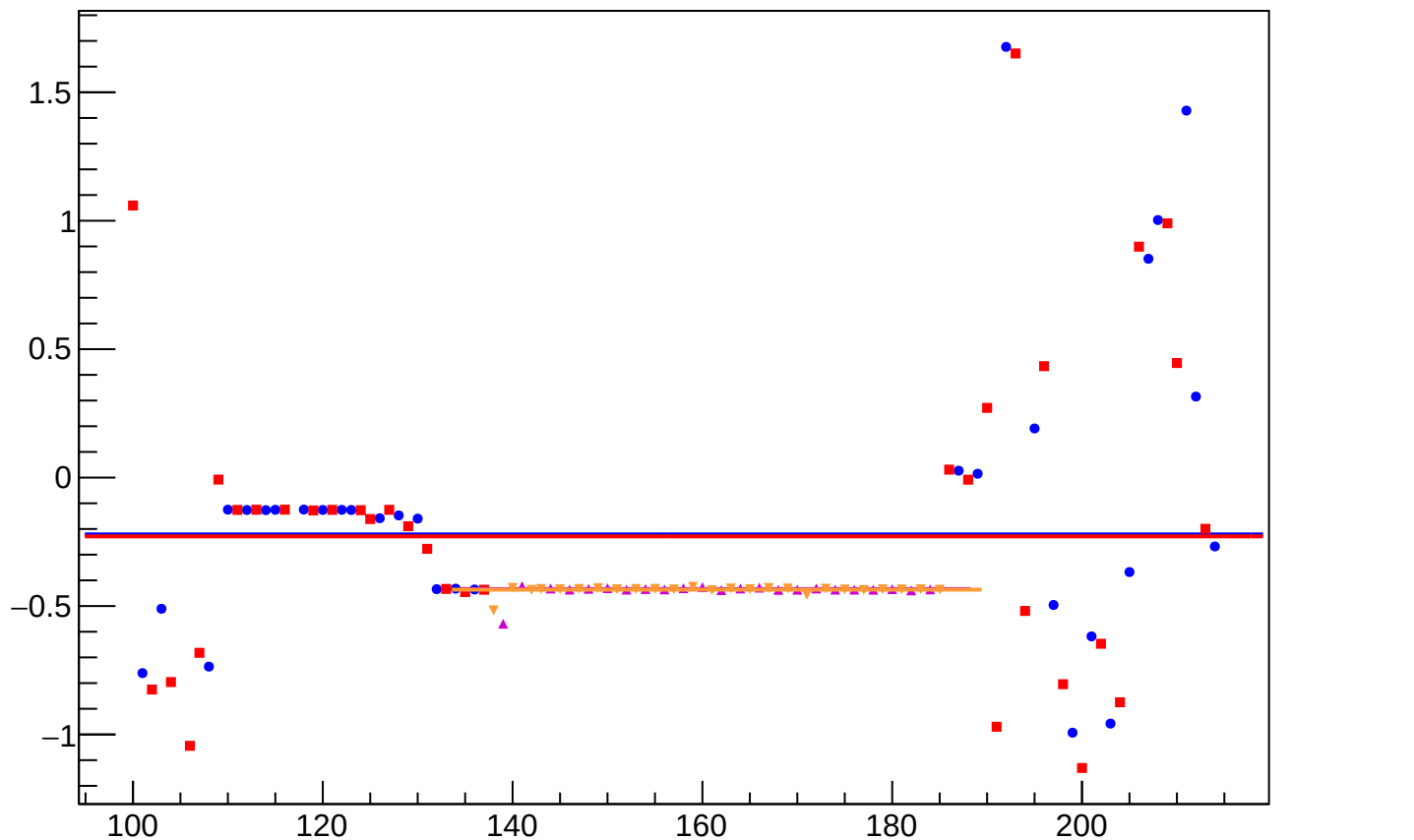
Left In: 0.009+/-0.000 χ^2/NDF : 1669983.7/22

+ sign 0.008+/-0.000 χ^2/NDF : 6096157.5/55

All: 0.008+/-0.000 χ^2/NDF : 11803542.7/112

- sign 0.008+/-0.000 χ^2/NDF : 5642685.7/56

yield_bpm16X_mean vs Slug



Right In: -0.221+/-0.000 χ^2/NDF : 4753273477.4/30

Left Out: -0.436+/-0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.229+/-0.000 χ^2/NDF : 3413959324.9/33

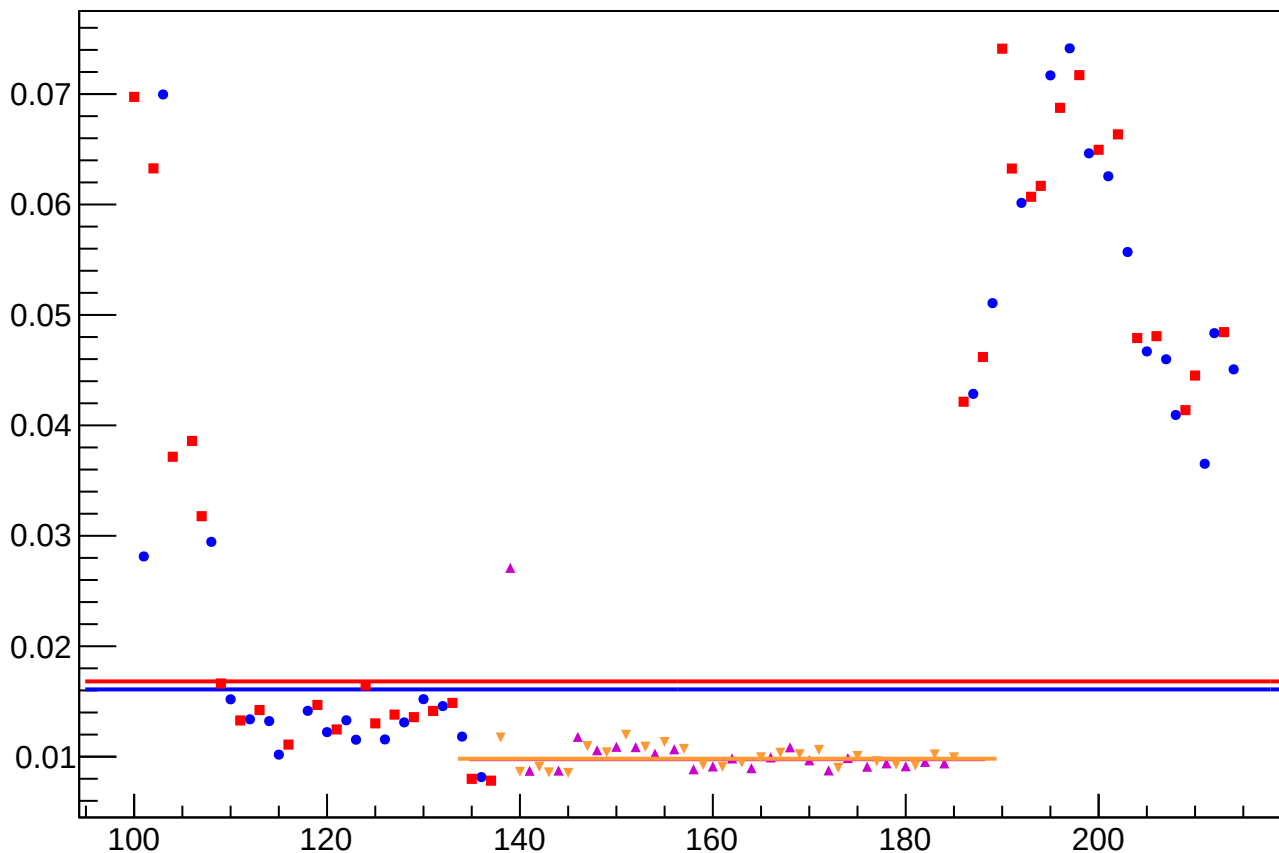
Left In: -0.434+/-0.000 χ^2/NDF : 20164730.3/22

+ sign -0.398+/-0.000 χ^2/NDF : 6120159858.0/55

All: -0.398+/-0.000 χ^2/NDF : 10703465545.8/110

- sign -0.397+/-0.000 χ^2/NDF : 4583286920.0/56

yield_bpm16X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 11949146.8/30

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:271172.3/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 12265026.3/33

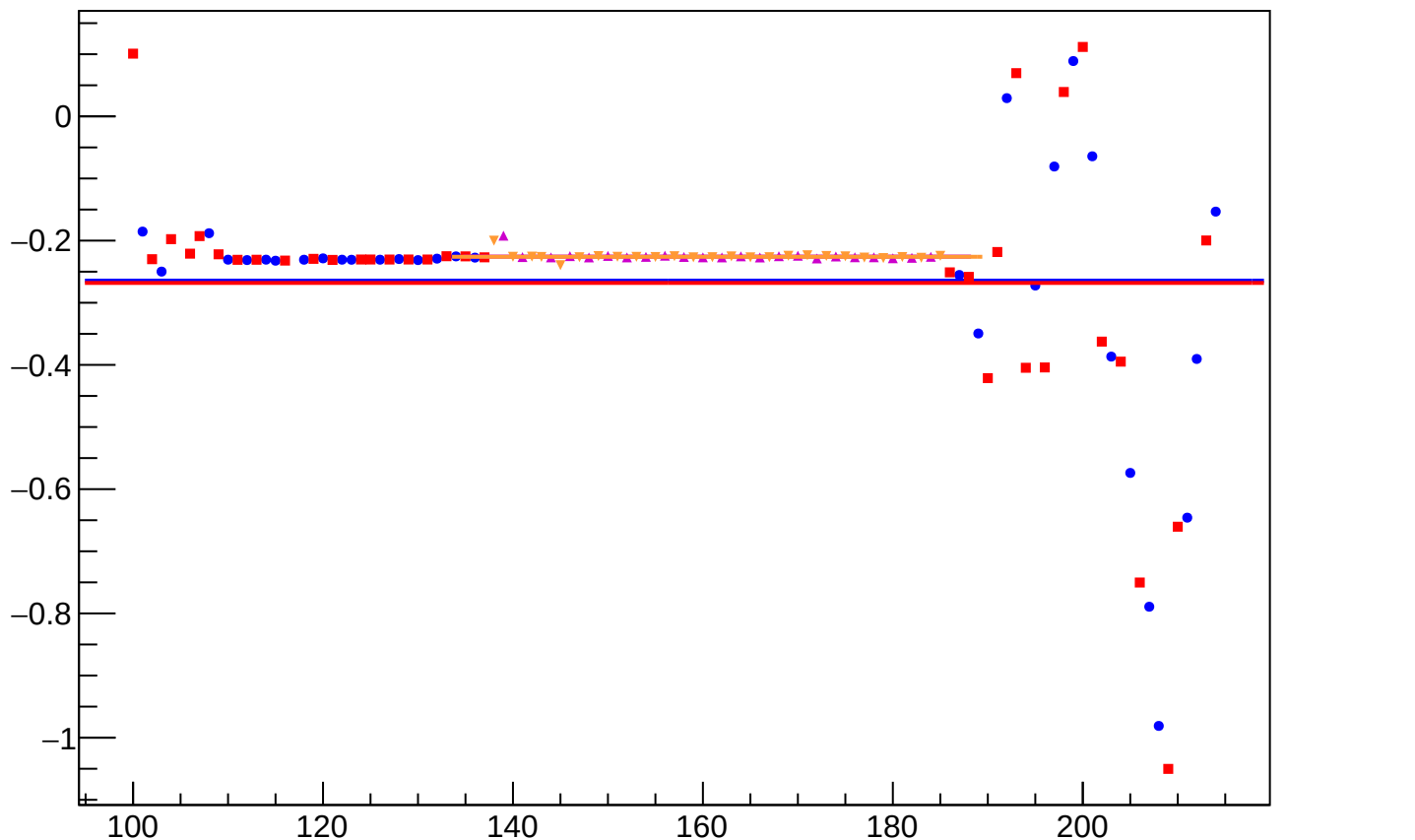
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:786577.8/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 14499356.5/55

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 30260065.1/112

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 15759015.9/56

yield_bpm16Y_mean vs Slug



Right In: -0.264 $\pm$ 0.000 χ^2 /NDF: 25065621513.2/30

Left Out: -0.226 $\pm$ 0.000 χ^2 /NDF: 21207366.3/24

Right Out: -0.268 $\pm$ 0.000 χ^2 /NDF: 25233439034.9/33

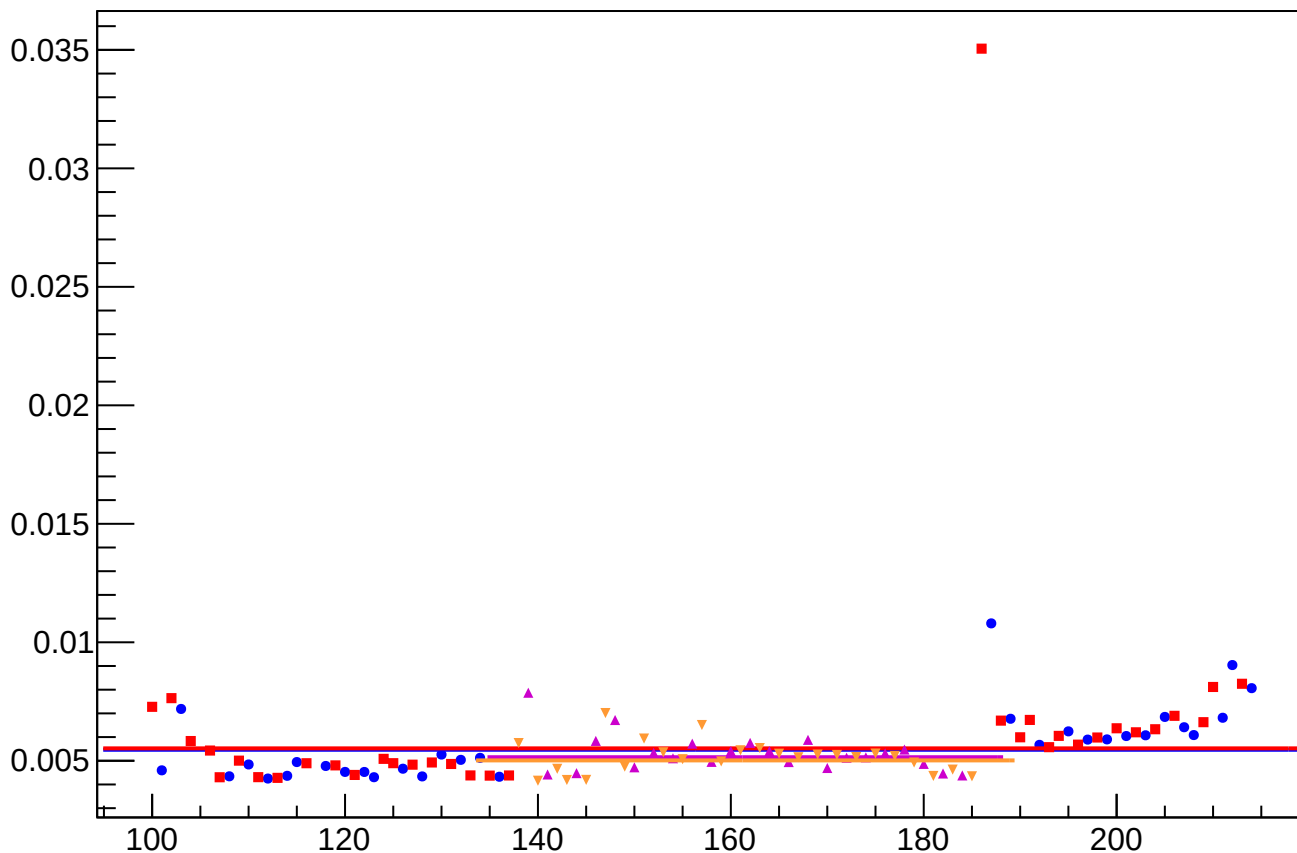
Left In: -0.226 $\pm$ 0.000 χ^2 /NDF: 13717302.5/22

+ sign -0.242 $\pm$ 0.000 χ^2 /NDF: 25512513224.0/55

All: -0.243 $\pm$ 0.000 χ^2 /NDF: 51261991093.7

- sign -0.245 $\pm$ 0.000 χ^2 /NDF: 25745685022.4/56

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1223144.1/30

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1609124.8/33

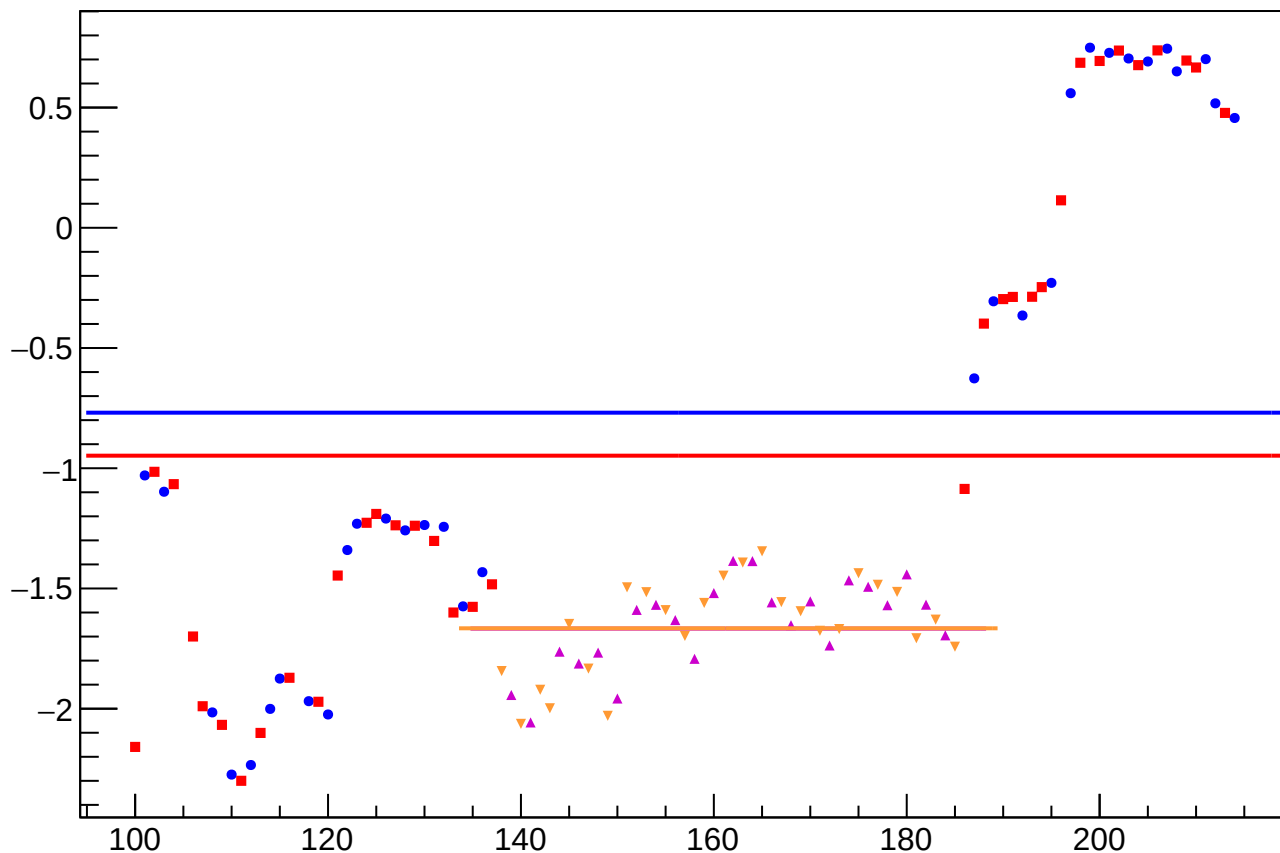
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 1872259.0/55

All: 0.005+/-0.000 χ^2/NDF : 4077660.5/112

- sign 0.005+/-0.000 χ^2/NDF : 2190862.3/56

yield_bpm0l01X_mean vs Slug



Right In: -0.769 ± 0.000 $\chi^2/\text{NDF}: 229670872259.6/30$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18368038680.8/24$

Right Out: -0.948 ± 0.000 $\chi^2/\text{NDF}: 250618035468.2/33$

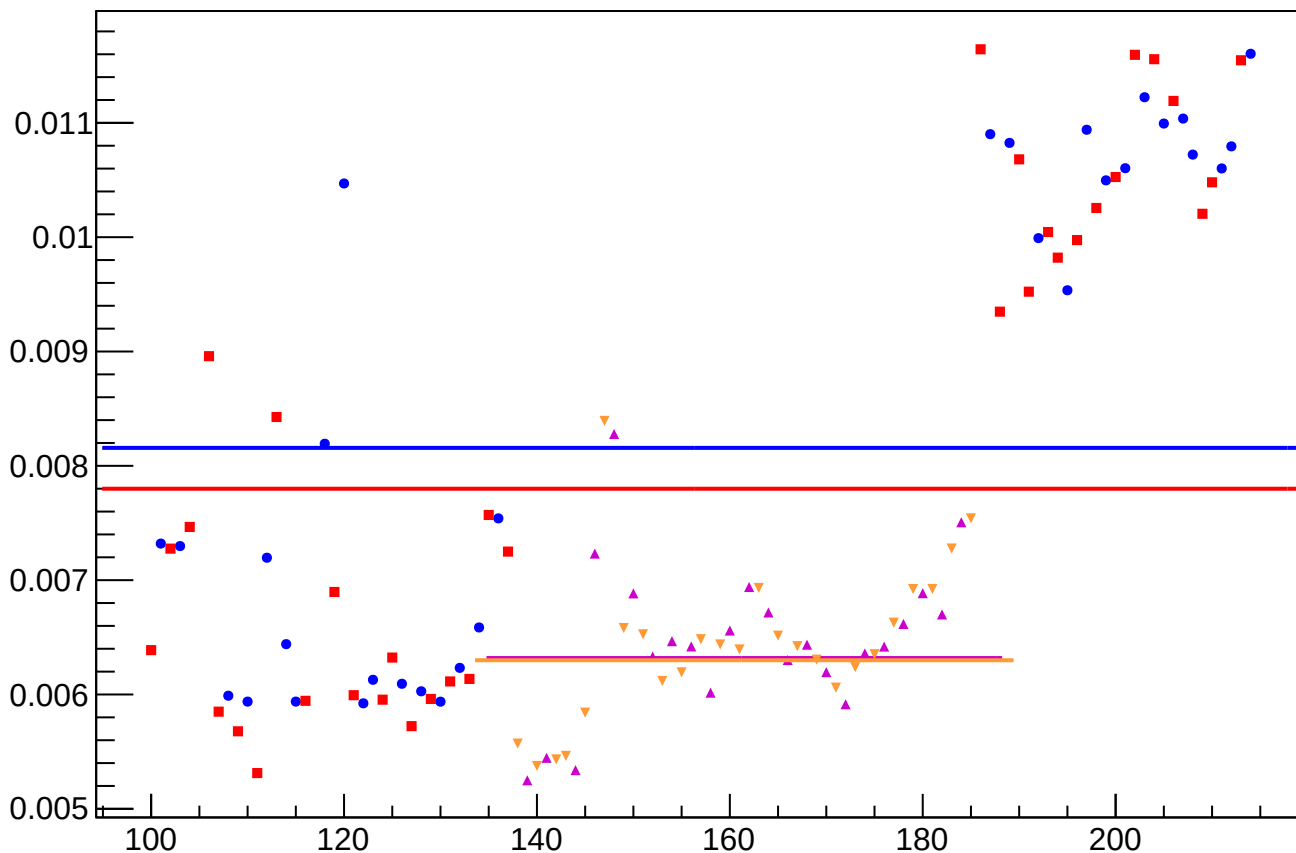
Left In: -1.667 ± 0.000 $\chi^2/\text{NDF}: 14615453869.3/22$

+ sign -1.364 ± 0.000 $\chi^2/\text{NDF}: 367512942230.6/55$

All: -1.379 ± 0.000 $\chi^2/\text{NDF}: 714442746967.2$

- sign -1.393 ± 0.000 $\chi^2/\text{NDF}: 346643535605.0/56$

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1973570.9/30

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2254500.3/33

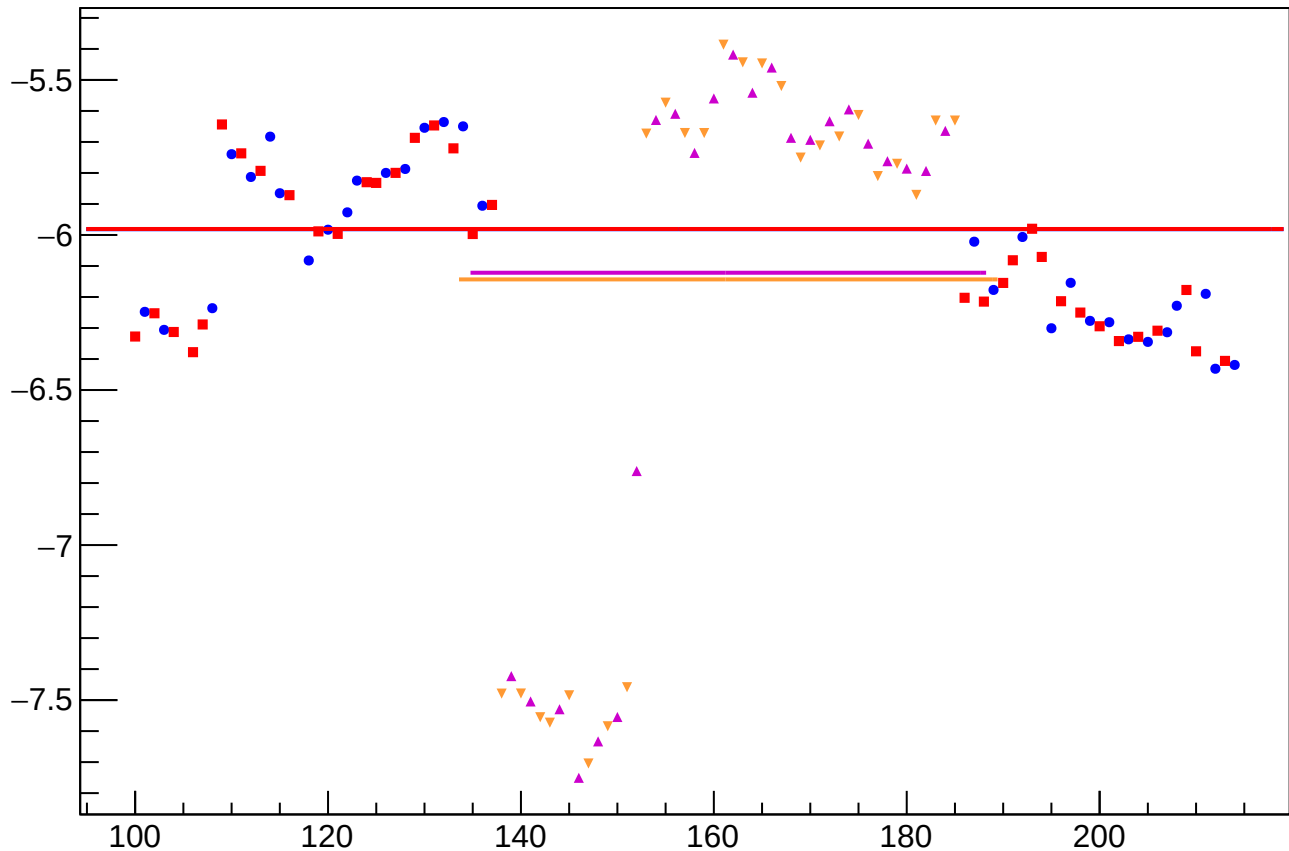
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 3311787.0/55

All: 0.007+/-0.000 χ^2/NDF : 6592281.6/112

- sign 0.007+/-0.000 χ^2/NDF : 3279309.4/56

yield_bpm0l01Y_mean vs Slug



Right In: -5.981+/-0.000 χ^2 /NDF: 16818840219.0/30

Left Out: -6.143+/-0.000 χ^2 /NDF:185721259239.3/24

Right Out: -5.981+/-0.000 χ^2 /NDF: 17717380176.7/33

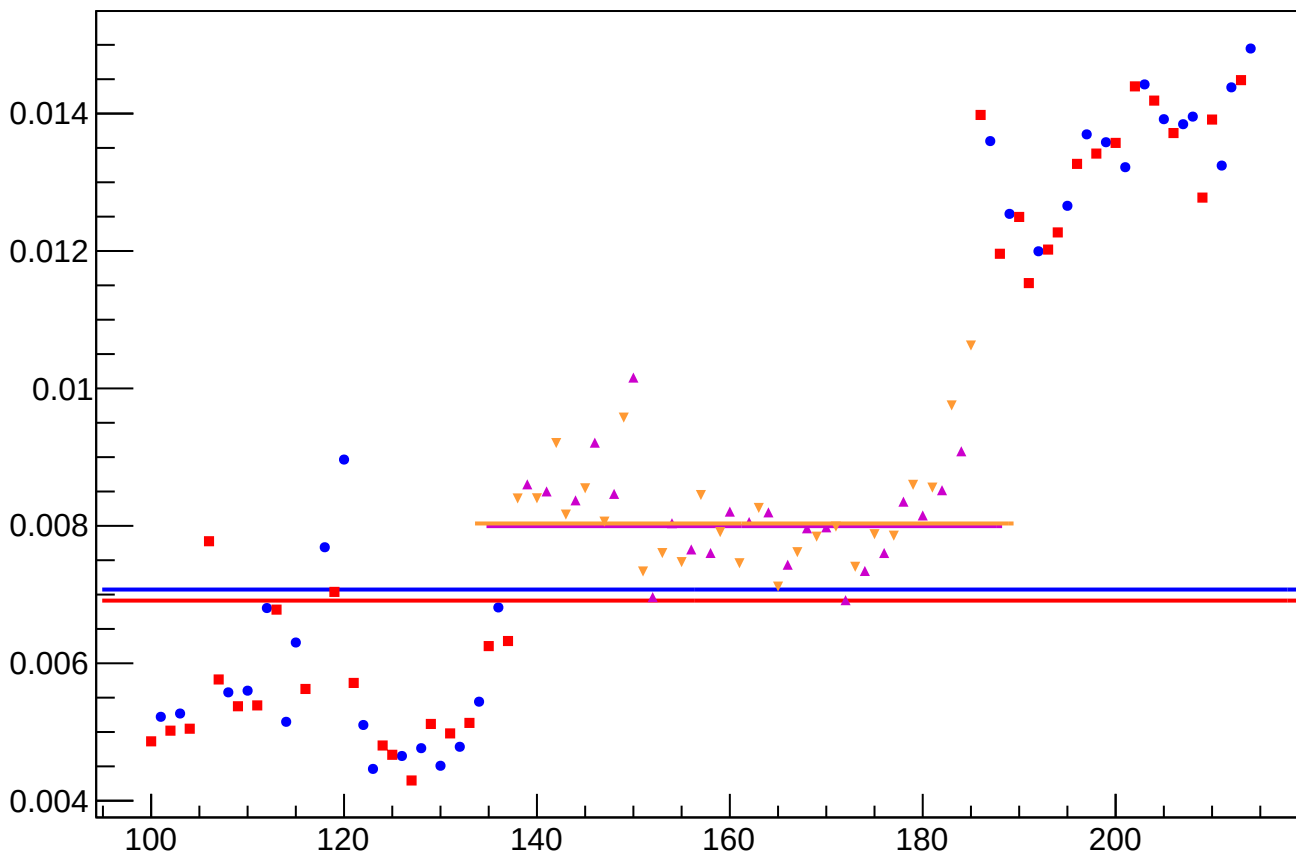
Left In: -6.122+/-0.000 χ^2 /NDF:159909473006.6/22

+ sign -6.063+/-0.000 χ^2 /NDF: 205891153909.4/55

All: -6.055+/-0.000 χ^2 /NDF: 386205060681.0

- sign -6.047+/-0.000 χ^2 /NDF: 180249041710.7/56

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5911093.6/30

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205976.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 5796814.9/33

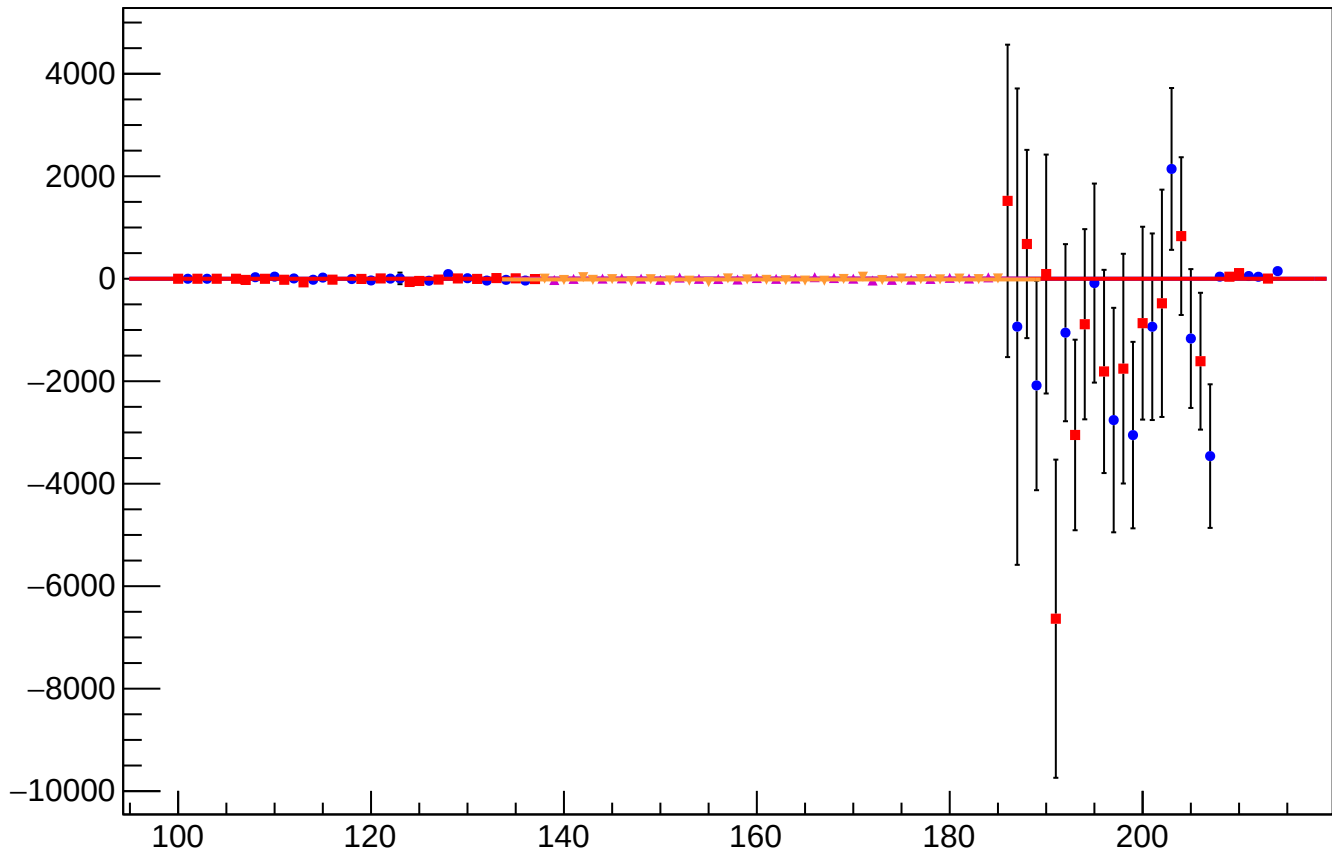
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220203.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 6353658.2/55

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 12689279.4/112

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 6326231.9/56

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 43.5/30

Left Out: -13.472+/-2.796 χ^2/NDF : 58.5/24

Right Out: 0.003+/-0.016 χ^2/NDF : 32.6/33

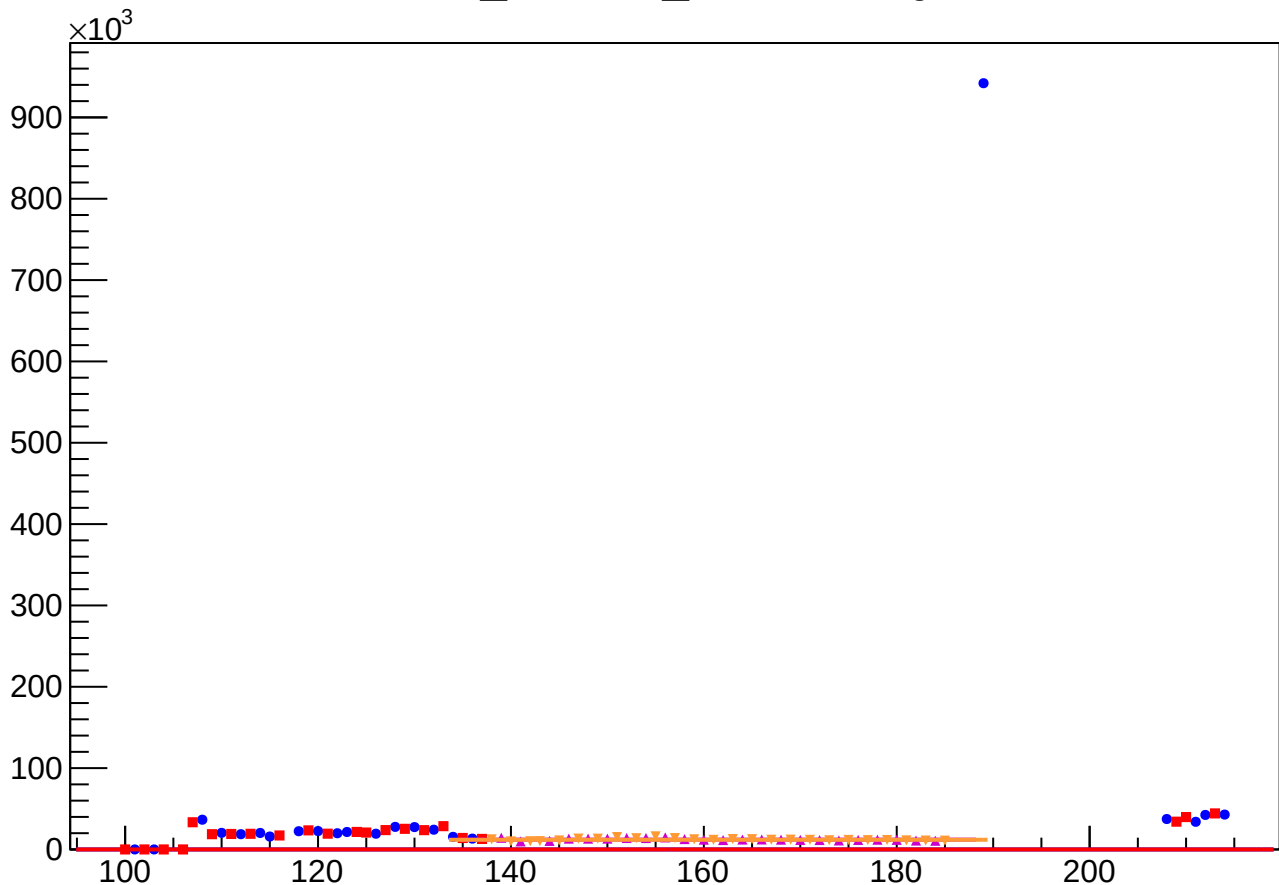
Left In: -0.489+/-2.905 χ^2/NDF : 28.7/22

+ sign 0.013+/-0.017 χ^2/NDF : 125.2/55

All: 0.008+/-0.012 χ^2/NDF : 186.7/112

- sign 0.003+/-0.016 χ^2/NDF : 61.3/56

diff_cav4bX_rms vs Slug



Right In: 18.662 $\pm$ 0.012 χ^2 /NDF: 16661204.5/21

Left Out: 11909.835 $\pm$ 1.977 χ^2 /NDF: 475310.2/24

Right Out: 18.325 $\pm$ 0.011 χ^2 /NDF: 15370584.5/21

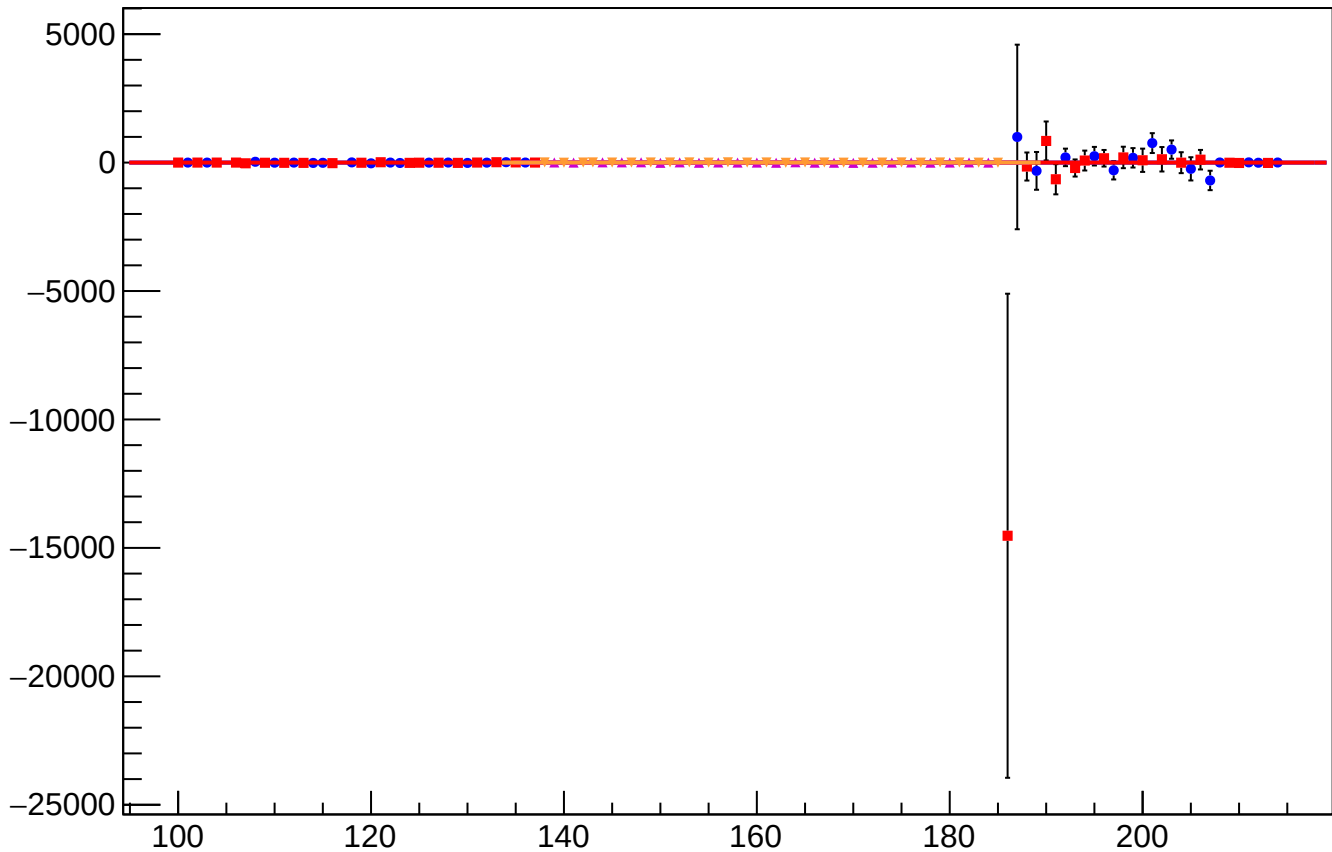
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.119 $\pm$ 0.012 χ^2 /NDF: 53301313.7/46

All: 18.891 $\pm$ 0.008 χ^2 /NDF: 103425007.6/91

- sign 18.694 $\pm$ 0.011 χ^2 /NDF: 50123046.6/44

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 28.5/30

Left Out: 1.675 $\pm$ 1.021 χ^2 /NDF:17.9/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 33.0/33

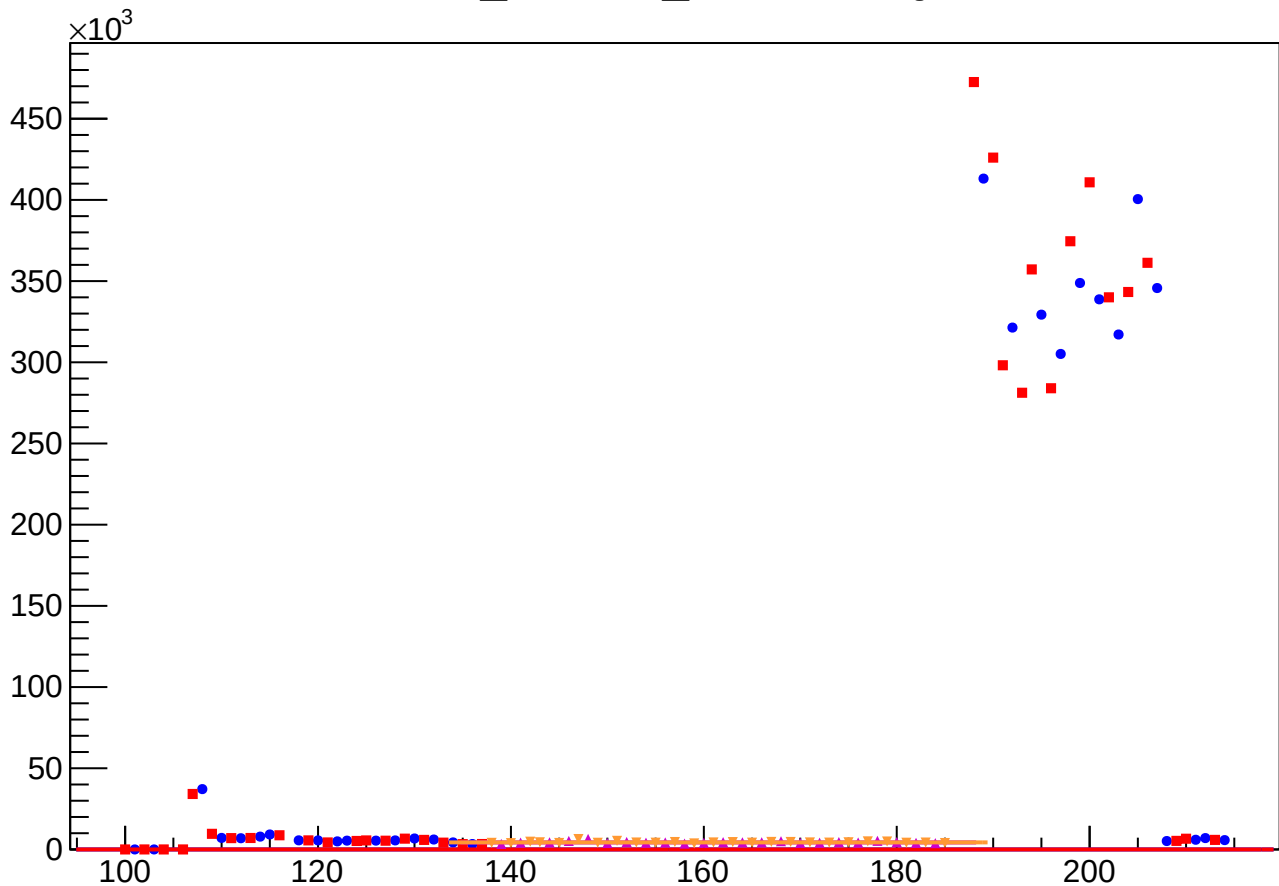
Left In: 0.843 $\pm$ 1.043 χ^2 /NDF:35.7/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 49.1/55

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 119.5/112

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 69.3/56

diff_cav4bY_rms vs Slug



Right In: 9.979+/-0.007 χ^2/NDF : 30111787.8/29

Left Out: 4350.545+/-0.722 χ^2/NDF :384749.0/24

Right Out: 9.883+/-0.006 χ^2/NDF : 30157586.5/32

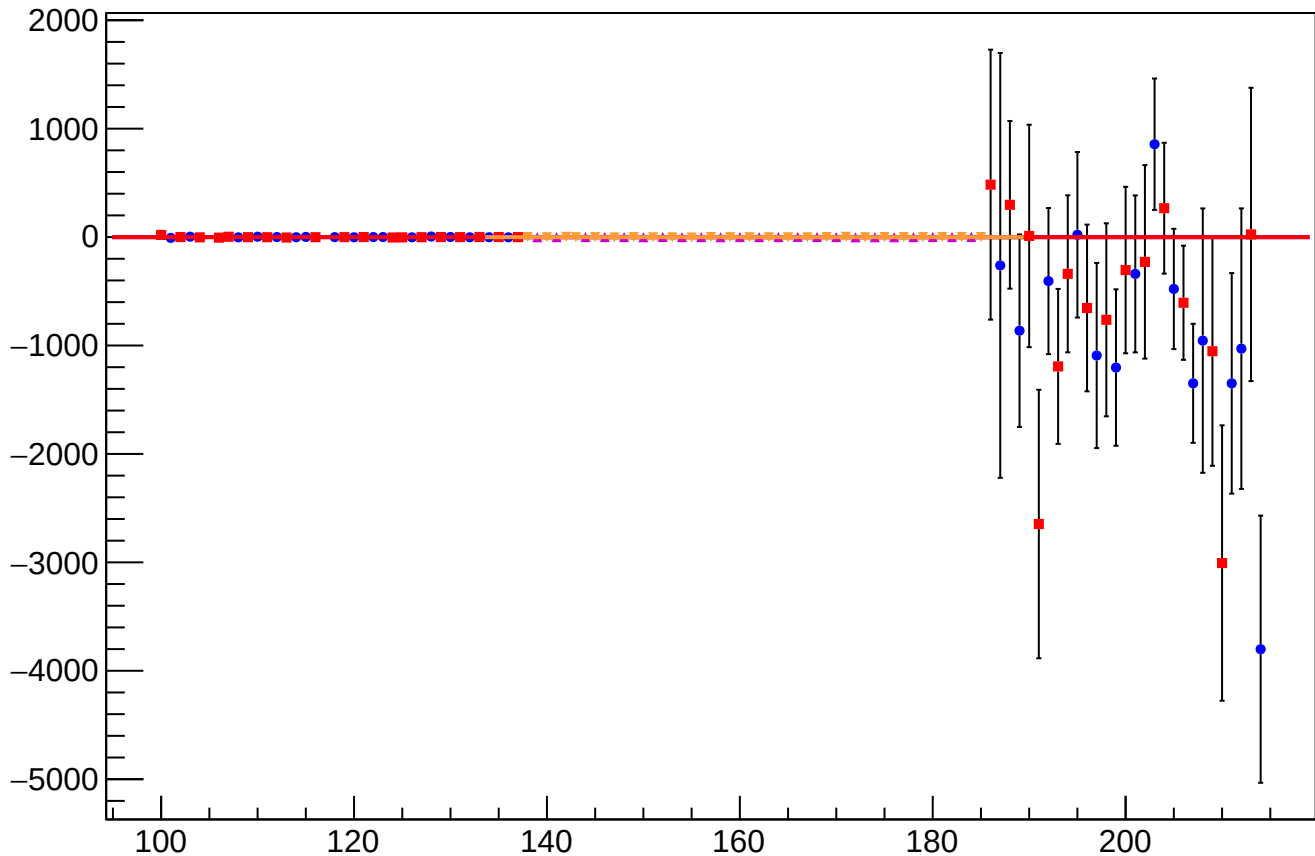
Left In: 4314.568+/-0.738 χ^2/NDF :534594.3/22

+ sign 10.332+/-0.007 χ^2/NDF : 66639090.4/54

All: 10.251+/-0.004 χ^2/NDF : 131394181.9/1

- sign 10.179+/-0.006 χ^2/NDF : 64754797.4/55

diff_cav4cX_mean vs Slug



Right In: -0.706 ± 0.485 $\chi^2/\text{NDF}: 49.7/30$

Left Out: -0.774 ± 0.164 $\chi^2/\text{NDF}: 58.4/24$

Right Out: -0.763 ± 0.502 $\chi^2/\text{NDF}: 29.4/33$

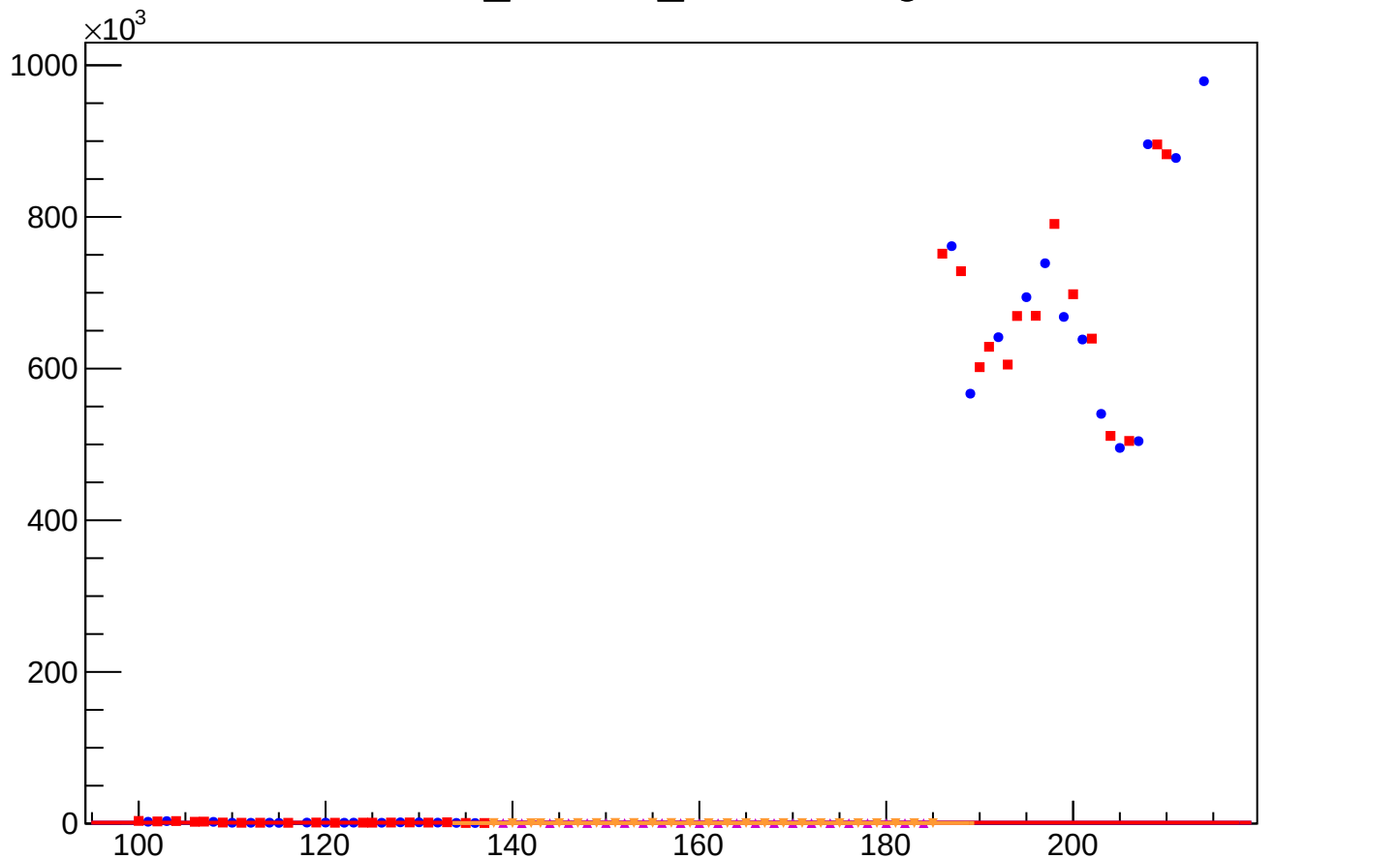
Left In: -0.020 ± 0.170 $\chi^2/\text{NDF}: 29.2/22$

+ sign -0.767 ± 0.156 $\chi^2/\text{NDF}: 108.1/55$

All: -0.444 ± 0.112 $\chi^2/\text{NDF}: 177.7/112$

- sign -0.097 ± 0.161 $\chi^2/\text{NDF}: 60.6/56$

diff_cav4cX_rms vs Slug



Right In: 1167.332 $\pm$ 0.343 χ^2 /NDF: 18431392.8/29

Left Out: 700.797 $\pm$ 0.116 χ^2 /NDF:392521.4/24

Right Out: 1252.624 $\pm$ 0.355 χ^2 /NDF: 18981927.6/32

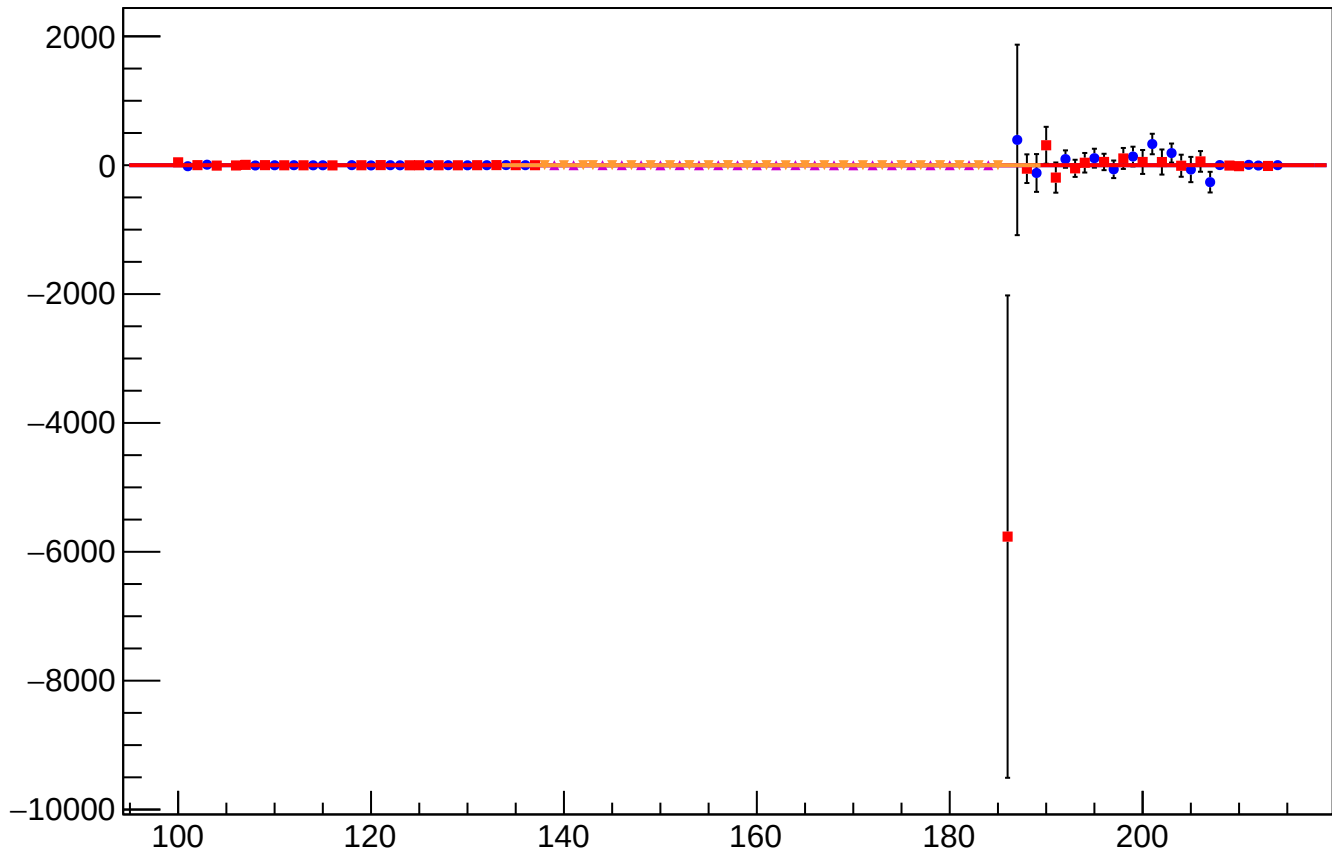
Left In: 706.950 $\pm$ 0.120 χ^2 /NDF:338177.1/22

+ sign 748.823 $\pm$ 0.110 χ^2 /NDF: 20483935.4/54

All: 755.735 $\pm$ 0.079 χ^2 /NDF: 41931208.8/1

- sign 763.144 $\pm$ 0.114 χ^2 /NDF: 21439099.6/55

diff_cav4cY_mean vs Slug



Right In: -0.046 ± 0.269 χ^2/NDF : 33.7/30

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.178 ± 0.264 χ^2/NDF : 37.2/33

Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

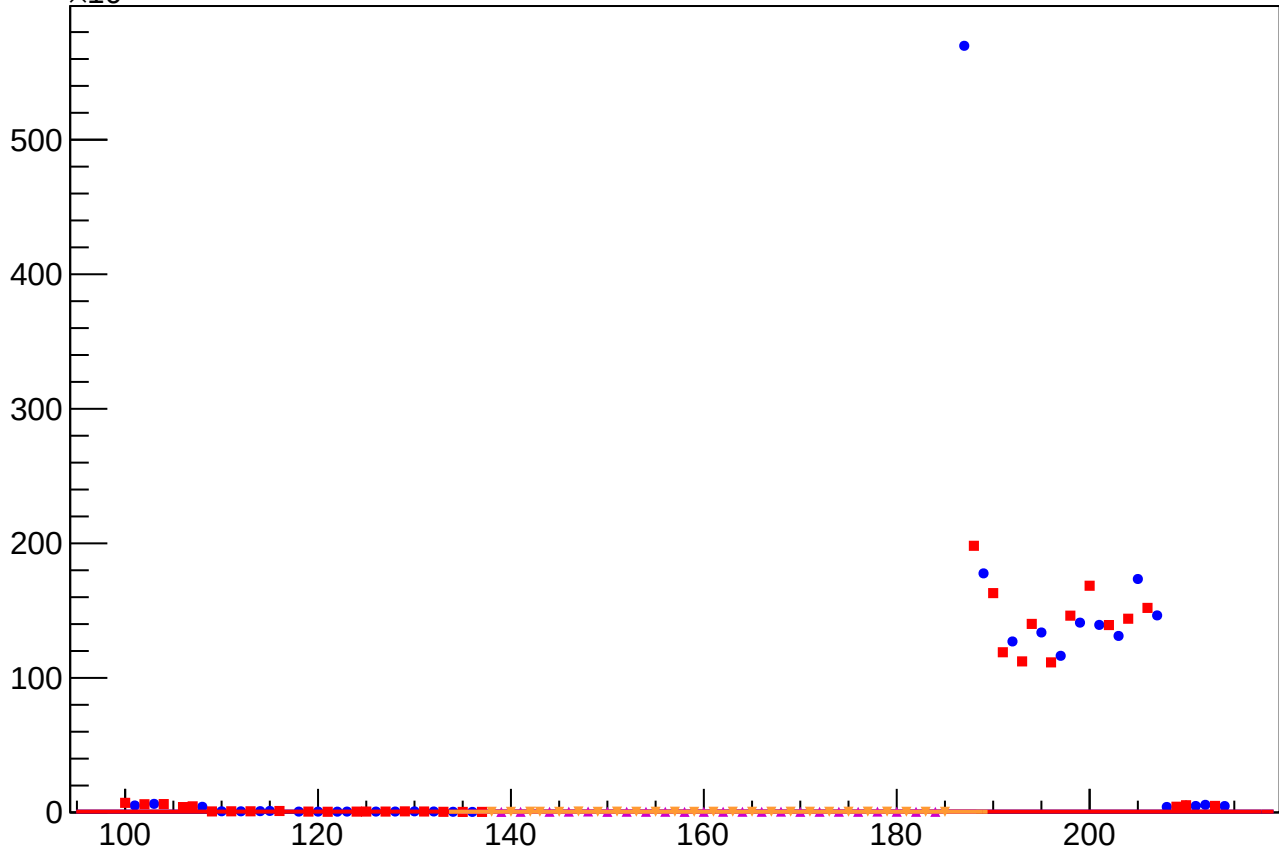
+ sign 0.188 ± 0.111 χ^2/NDF : 52.2/55

All: 0.158 ± 0.079 χ^2/NDF : 124.6/112

- sign 0.127 ± 0.113 χ^2/NDF : 72.2/56

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 649.319 $\pm$ 0.190 χ^2 /NDF: 21260943.2/30

Left Out: 522.416 $\pm$ 0.087 χ^2 /NDF: 331573.1/24

Right Out: 630.598 $\pm$ 0.187 χ^2 /NDF: 21581758.2/32

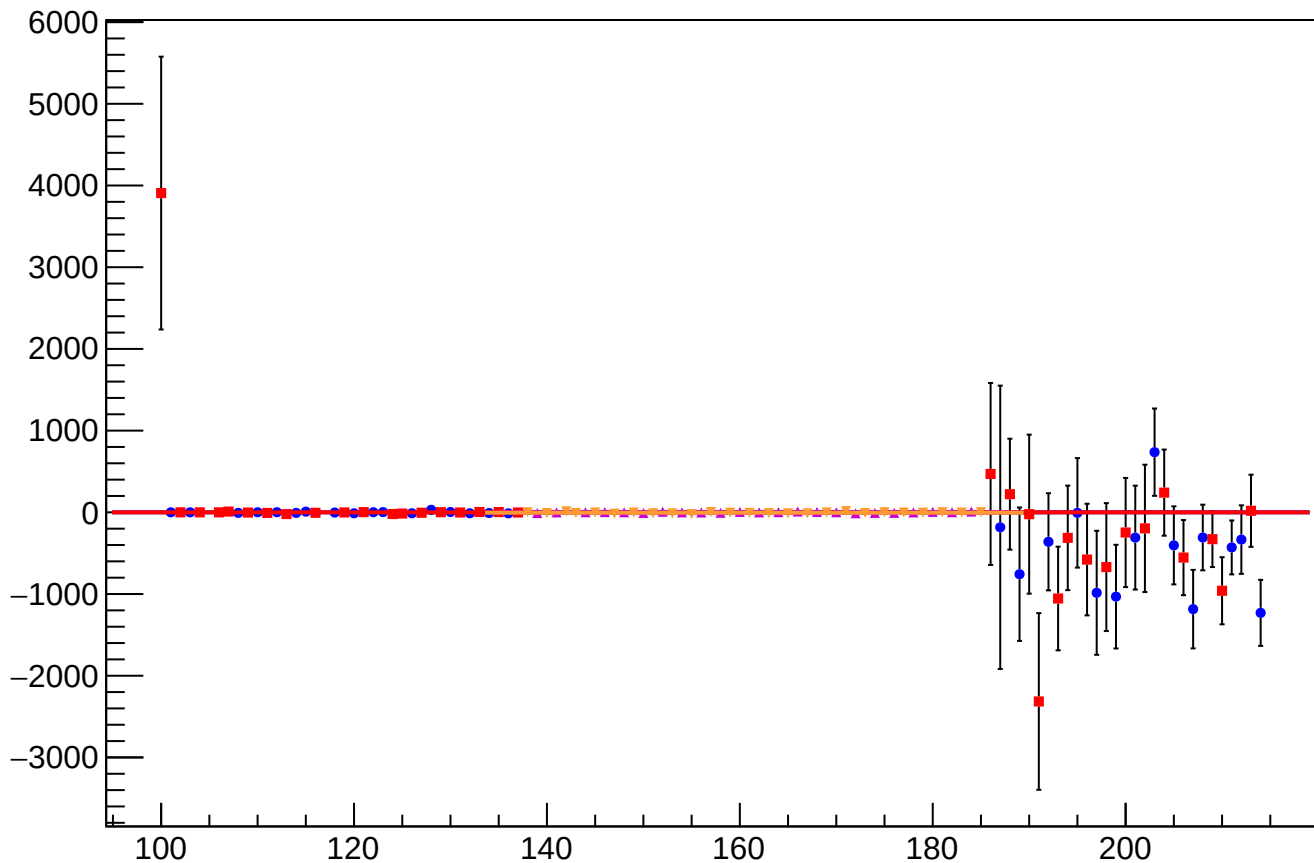
Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

+ sign 544.162 $\pm$ 0.079 χ^2 /NDF: 21960409.9/55

All: 542.270 $\pm$ 0.056 χ^2 /NDF: 44274919.3/11

- sign 540.314 $\pm$ 0.080 χ^2 /NDF: 22313338.3/55

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 42.3/30

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 34.4/33

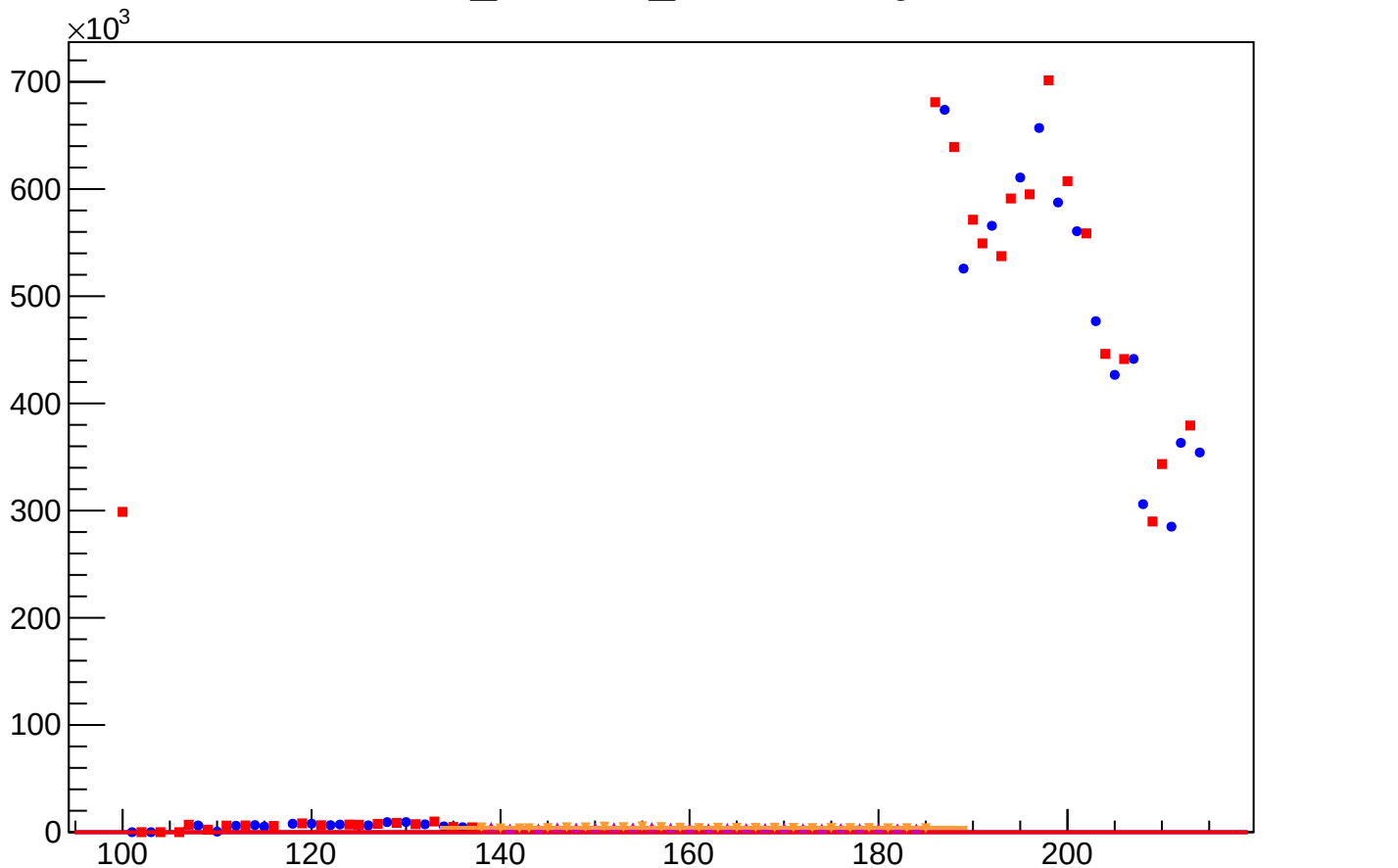
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 122.2/55

All: -0.025 ± 0.014 χ^2/NDF : 185.9/112

- sign -0.027 ± 0.020 χ^2/NDF : 63.7/56

diff_cav4dX_rms vs Slug



Right In: 17.345 ± 0.015 $\chi^2/\text{NDF}: 30247131.3/30$

Left Out: 4074.257 ± 0.676 $\chi^2/\text{NDF}: 416916.0/24$

Right Out: 17.275 ± 0.014 $\chi^2/\text{NDF}: 31001732.7/33$

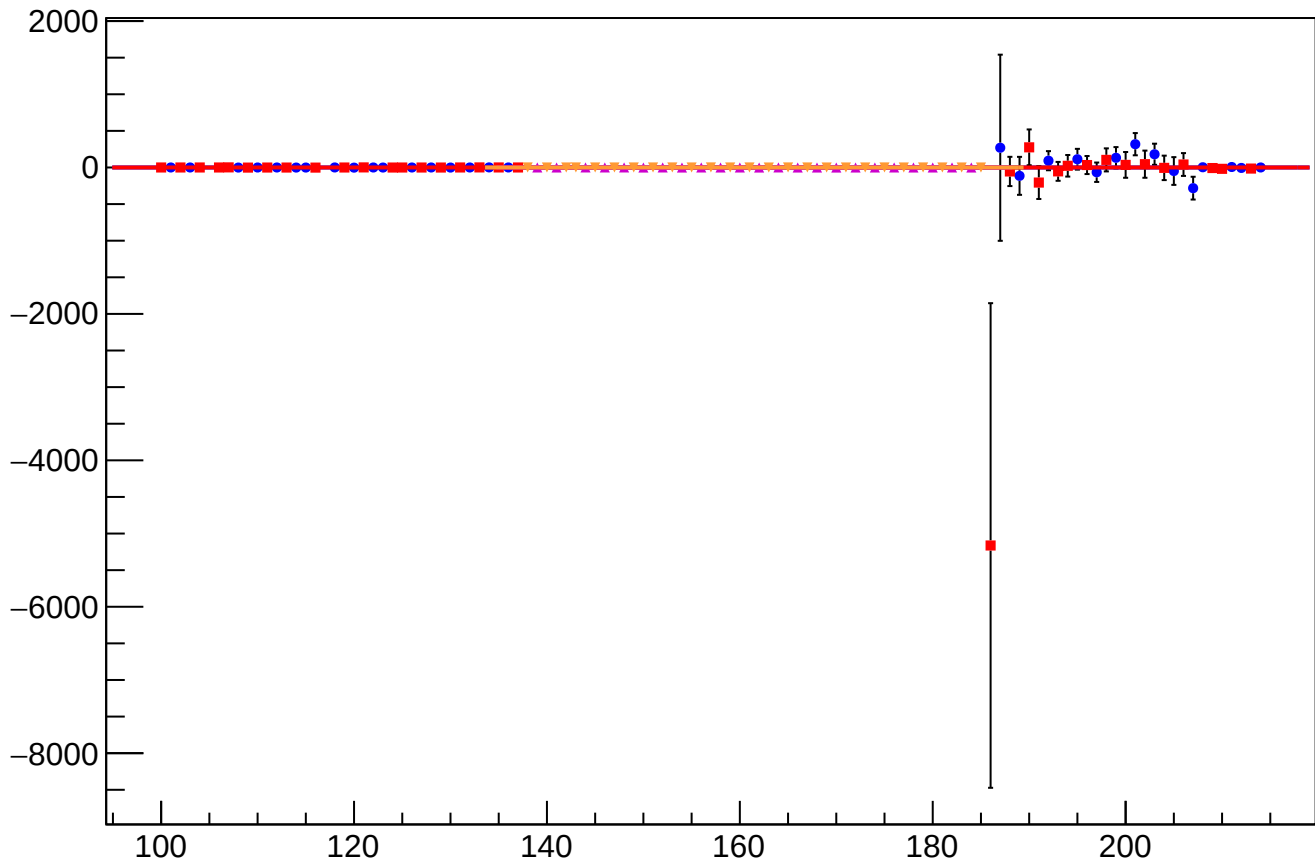
Left In: 4113.744 ± 0.700 $\chi^2/\text{NDF}: 354965.8/22$

+ sign 19.265 ± 0.015 $\chi^2/\text{NDF}: 66697113.0/55$

All: 19.078 ± 0.010 $\chi^2/\text{NDF}: 132270851.3/11$

- sign 18.908 ± 0.014 $\chi^2/\text{NDF}: 65573429.0/56$

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 28.9/30

Left Out: 0.151 ± 0.076 χ^2/NDF : 16.8/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 35.6/33

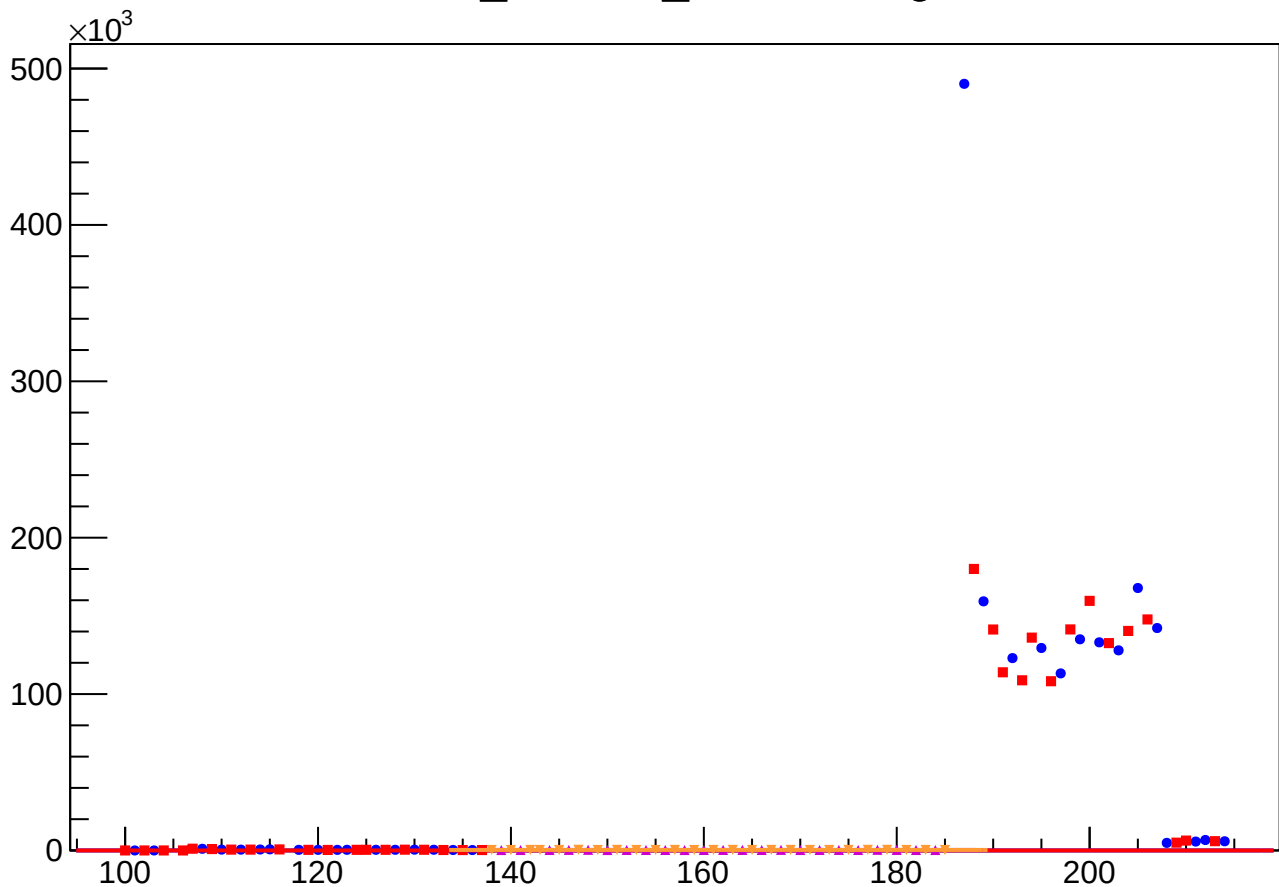
Left In: 0.075 ± 0.078 χ^2/NDF : 34.8/22

+ sign 0.000 ± 0.002 χ^2/NDF : 49.6/55

All: 0.001 ± 0.001 χ^2/NDF : 120.9/112

- sign 0.001 ± 0.002 χ^2/NDF : 71.3/56

diff_cav4dY_rms vs Slug



Right In: 1.701 $\pm$ 0.001 χ^2 /NDF: 30511767.3/30

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.730 $\pm$ 0.001 χ^2 /NDF: 29942016.2/32

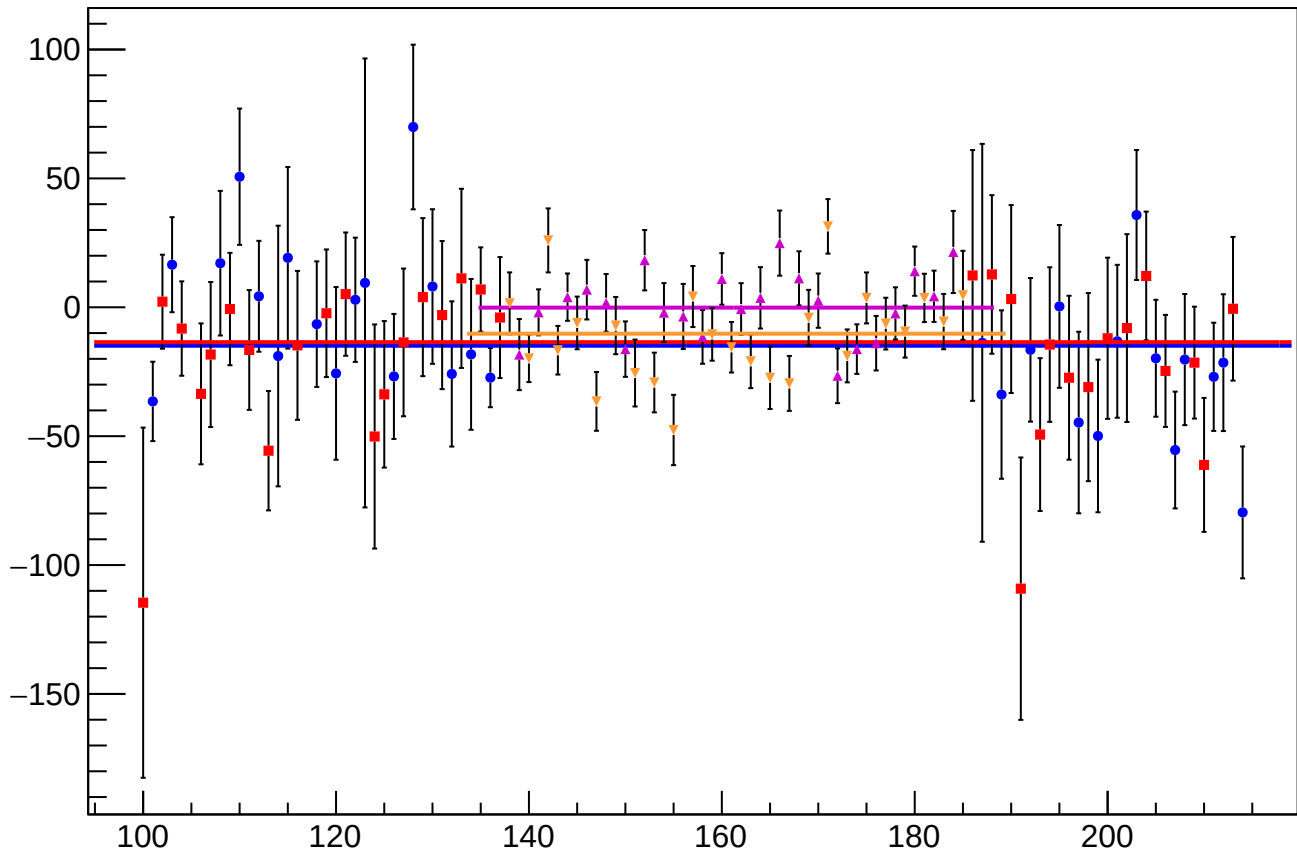
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.928 $\pm$ 0.001 χ^2 /NDF: 66823651.1/55

All: 1.928 $\pm$ 0.001 χ^2 /NDF: 131164406.7/111

- sign 1.927 $\pm$ 0.001 χ^2 /NDF: 64340755.3/55

diff_bpm4aX_mean vs Slug



Right In: -14.908 ± 4.465 $\chi^2/\text{NDF}: 40.9/30$

Left Out: -10.235 ± 2.167 $\chi^2/\text{NDF}: 58.0/24$

Right Out: -13.526 ± 4.571 $\chi^2/\text{NDF}: 23.7/33$

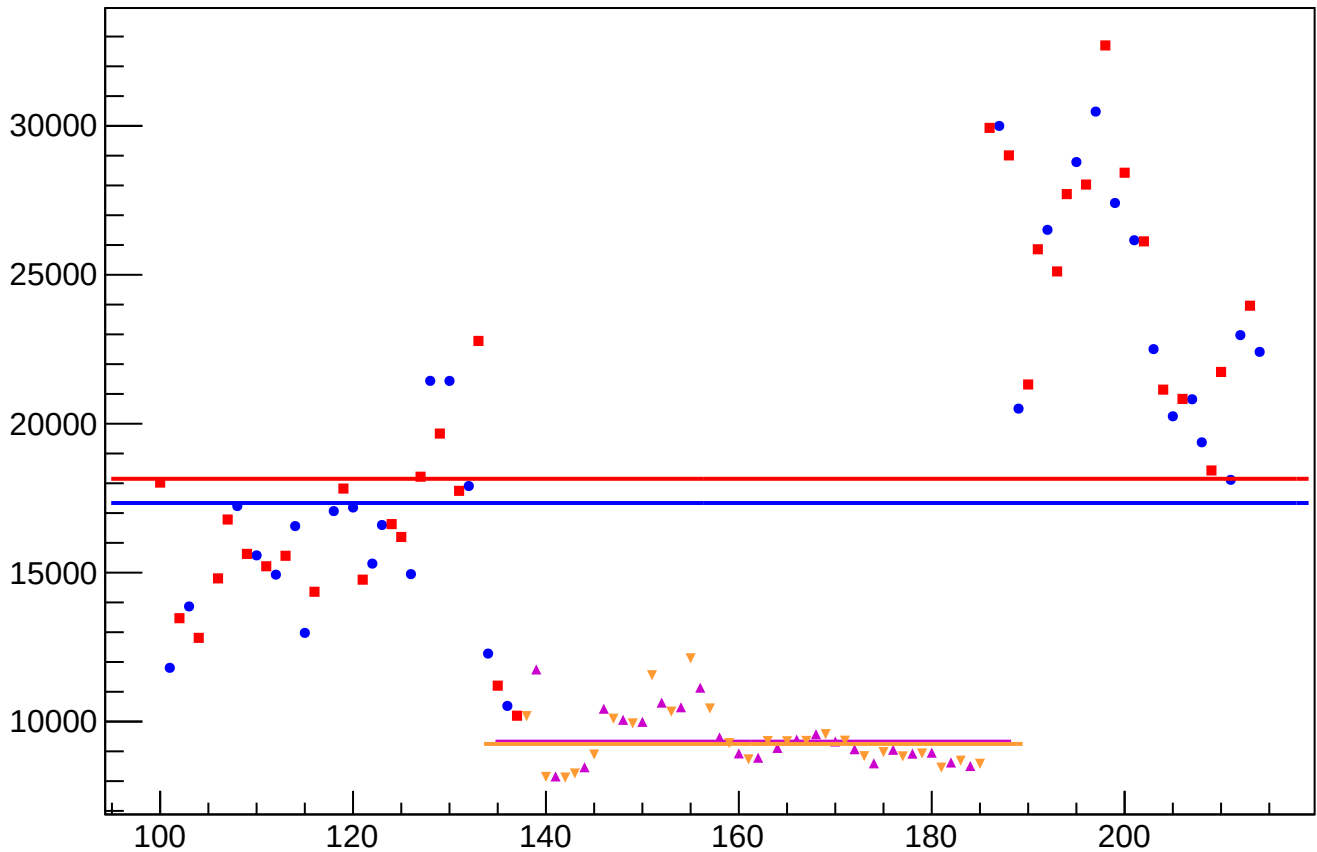
Left In: -0.130 ± 2.242 $\chi^2/\text{NDF}: 29.8/22$

+ sign -11.125 ± 1.949 $\chi^2/\text{NDF}: 99.8/55$

All: -7.062 ± 1.400 $\chi^2/\text{NDF}: 169.2/112$

- sign -2.728 ± 2.013 $\chi^2/\text{NDF}: 60.4/56$

diff_bpm4aX_rms vs Slug



Right In: 17338.863 ± 3.157 χ^2/NDF : 2850707.5/30

Left Out: 9249.358 ± 1.532 χ^2/NDF : 332003.4/24

Right Out: 18150.709 ± 3.232 χ^2/NDF : 2887452.9/33

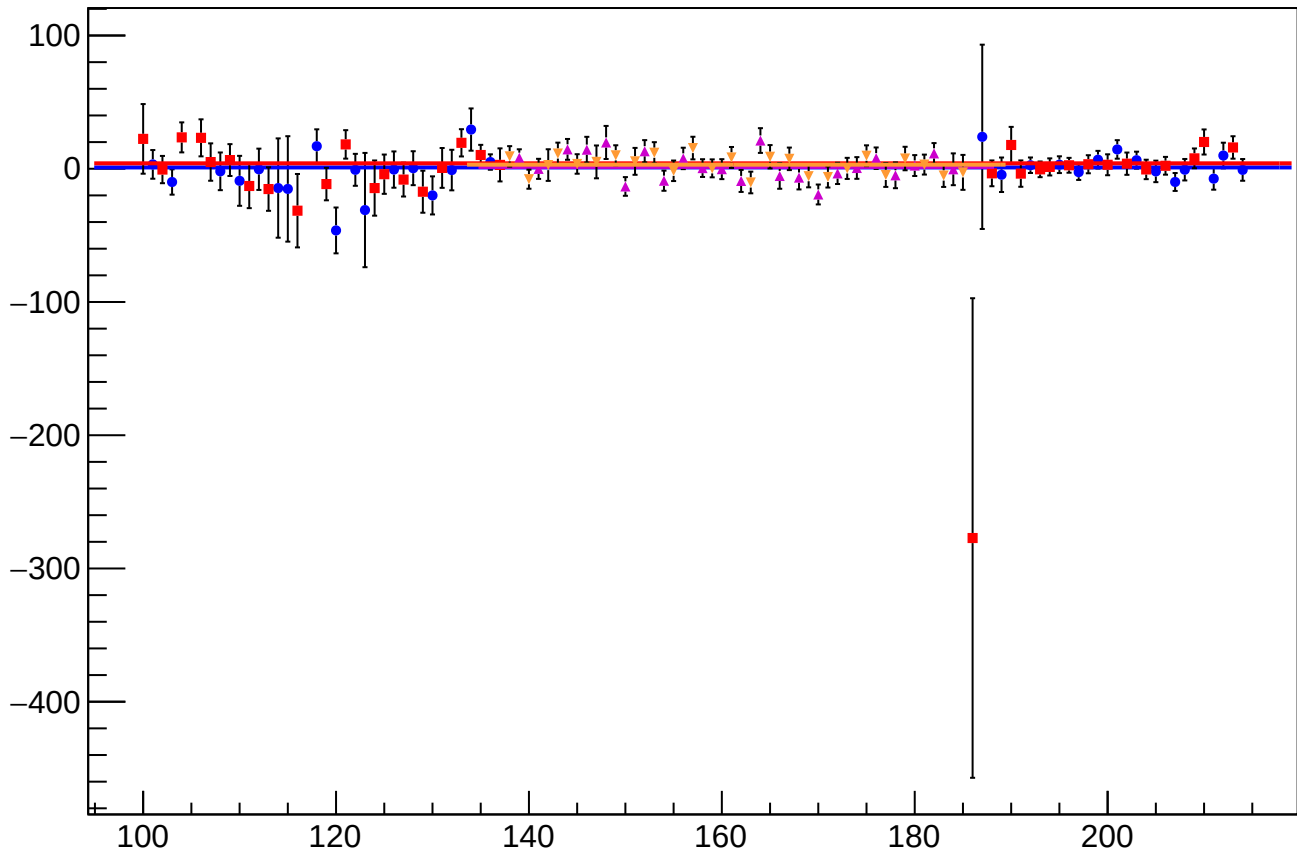
Left In: 9325.112 ± 1.585 χ^2/NDF : 280927.7/22

+ sign 10791.143 ± 1.378 χ^2/NDF : 8496461.2/55

All: 10909.995 ± 0.990 χ^2/NDF : 17689665.3

- sign 11036.755 ± 1.423 χ^2/NDF : 9177838.9/56

diff_bpm4aY_mean vs Slug



Right In: 0.976 ± 1.677 χ^2/NDF : 28.5/30

Left Out: 3.062 ± 1.659 χ^2/NDF : 18.3/24

Right Out: 4.077 ± 1.658 χ^2/NDF : 31.2/33

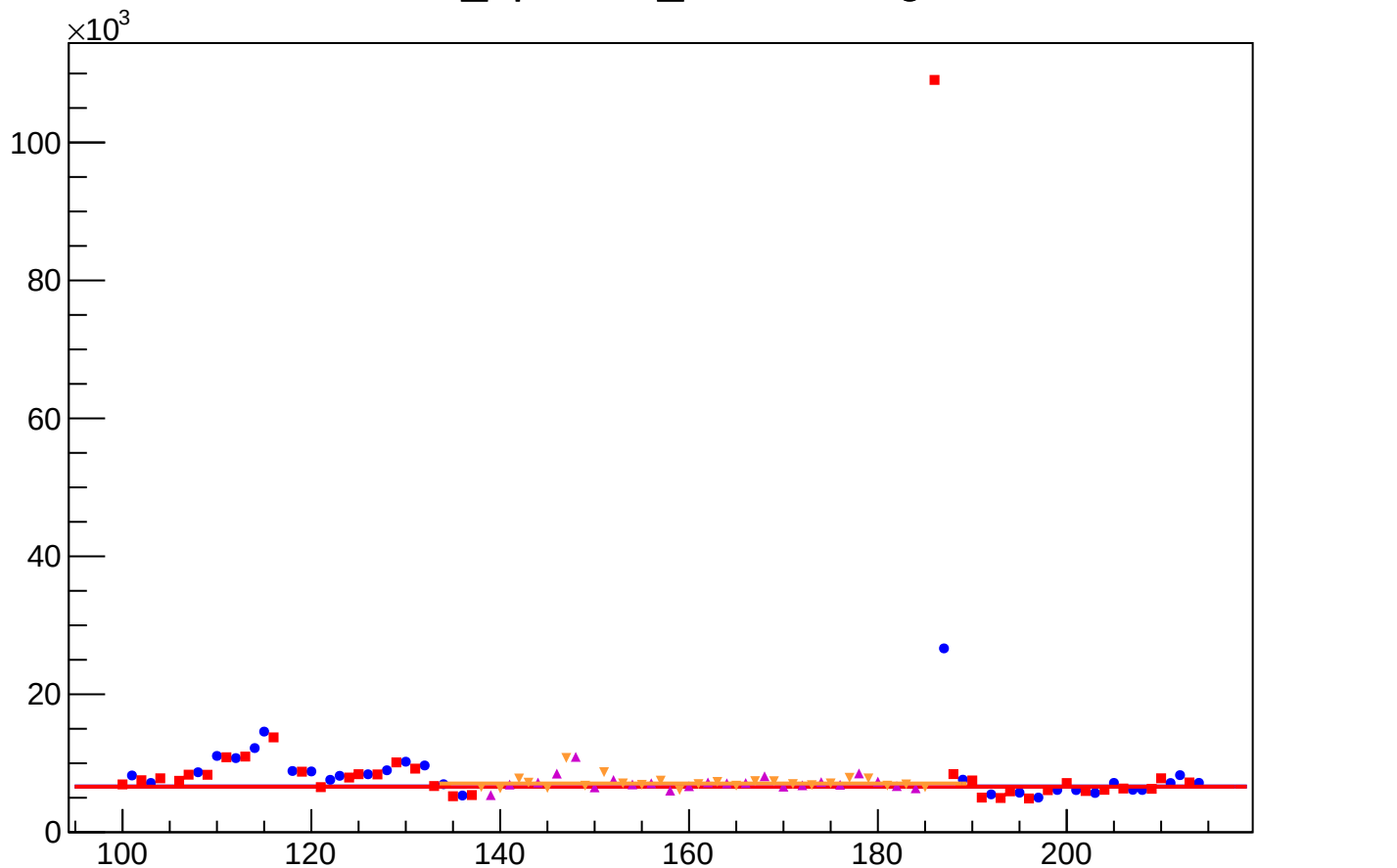
Left In: 1.394 ± 1.693 χ^2/NDF : 35.4/22

+ sign 2.030 ± 1.179 χ^2/NDF : 47.6/55

All: 2.395 ± 0.836 χ^2/NDF : 115.6/112

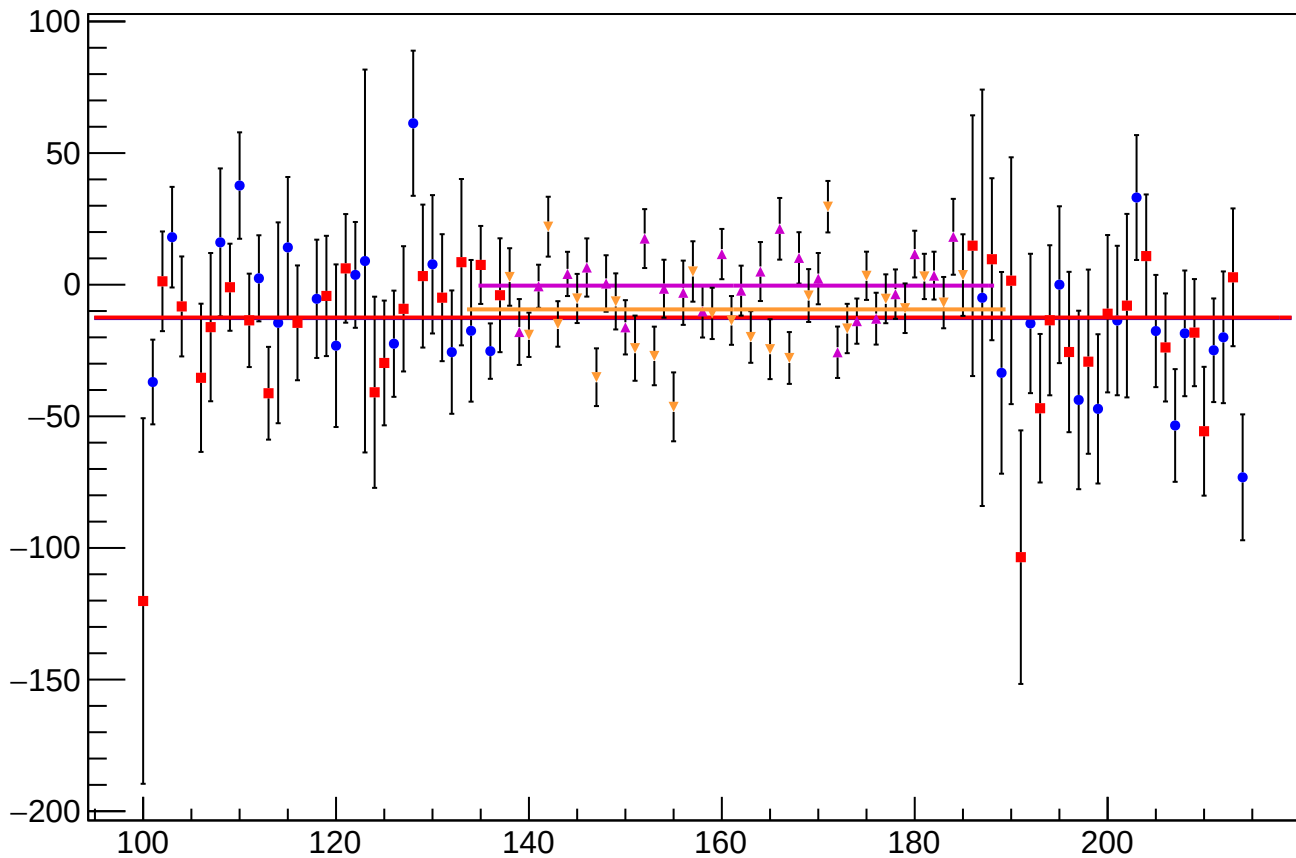
- sign 2.764 ± 1.184 χ^2/NDF : 67.8/56

diff_bpm4aY_rms vs Slug



Right In: 6630.036 $\pm$ 1.186	χ^2/NDF : 1606383.3/30	+ sign 6850.766 $\pm$ 0.834	χ^2/NDF : 2062424.3/55
Left Out: 7066.826 $\pm$ 1.173	χ^2/NDF : 387449.8/24	All: 6825.172 $\pm$ 0.591	χ^2/NDF : 4820312.6/11
Right Out: 6606.523 $\pm$ 1.172	χ^2/NDF : 2150667.3/33	- sign 6799.349 $\pm$ 0.838	χ^2/NDF : 2755995.7/56
Left In: 7000.532 $\pm$ 1.197	χ^2/NDF : 550029.3/22		

diff_bpm4eX_mean vs Slug



Right In: -12.676 ± 4.087 $\chi^2/\text{NDF}: 41.9/30$

Left Out: -9.376 ± 2.018 $\chi^2/\text{NDF}: 58.4/24$

Right Out: -12.467 ± 4.145 $\chi^2/\text{NDF}: 23.0/33$

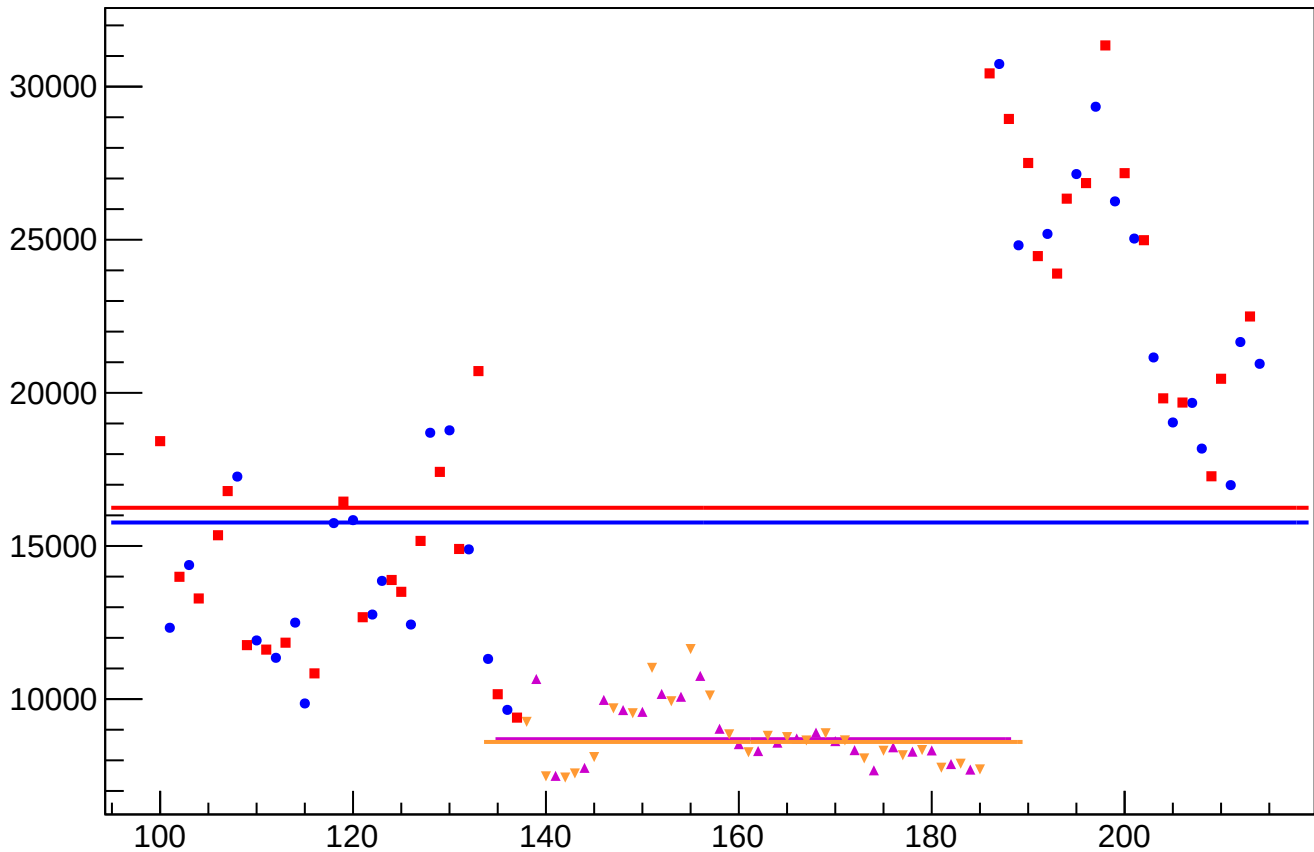
Left In: -0.353 ± 2.092 $\chi^2/\text{NDF}: 29.6/22$

+ sign -10.023 ± 1.809 $\chi^2/\text{NDF}: 100.8/55$

All: -6.533 ± 1.300 $\chi^2/\text{NDF}: 168.0/112$

- sign -2.813 ± 1.868 $\chi^2/\text{NDF}: 59.5/56$

diff_bpm4eX_rms vs Slug



Right In: 15766.456+/-2.890 χ^2/NDF : 3307658.0/30

Left Out: 8600.457+/-1.427 χ^2/NDF : 438229.4/24

Right Out: 16247.390+/-2.931 χ^2/NDF : 3666209.4/33

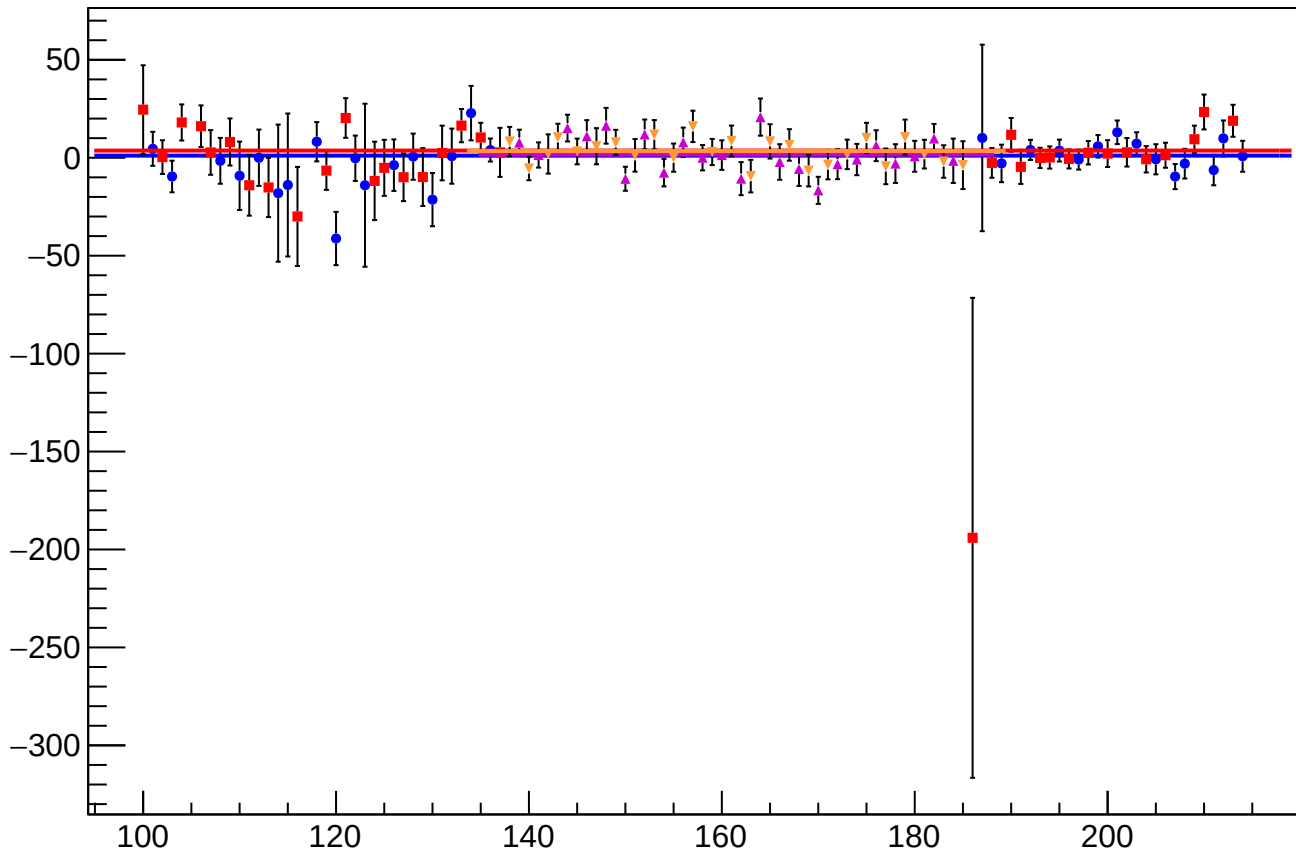
Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

+ sign 10005.037+/-1.279 χ^2/NDF : 8690331.5/55

All: 10111.447+/-0.919 χ^2/NDF : 18040529.7

- sign 10224.852+/-1.321 χ^2/NDF : 9335906.4/56

diff_bpm4eY_mean vs Slug



Right In: 1.091 ± 1.514 χ^2/NDF : 30.2/30

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 3.675 ± 1.474 χ^2/NDF : 35.9/33

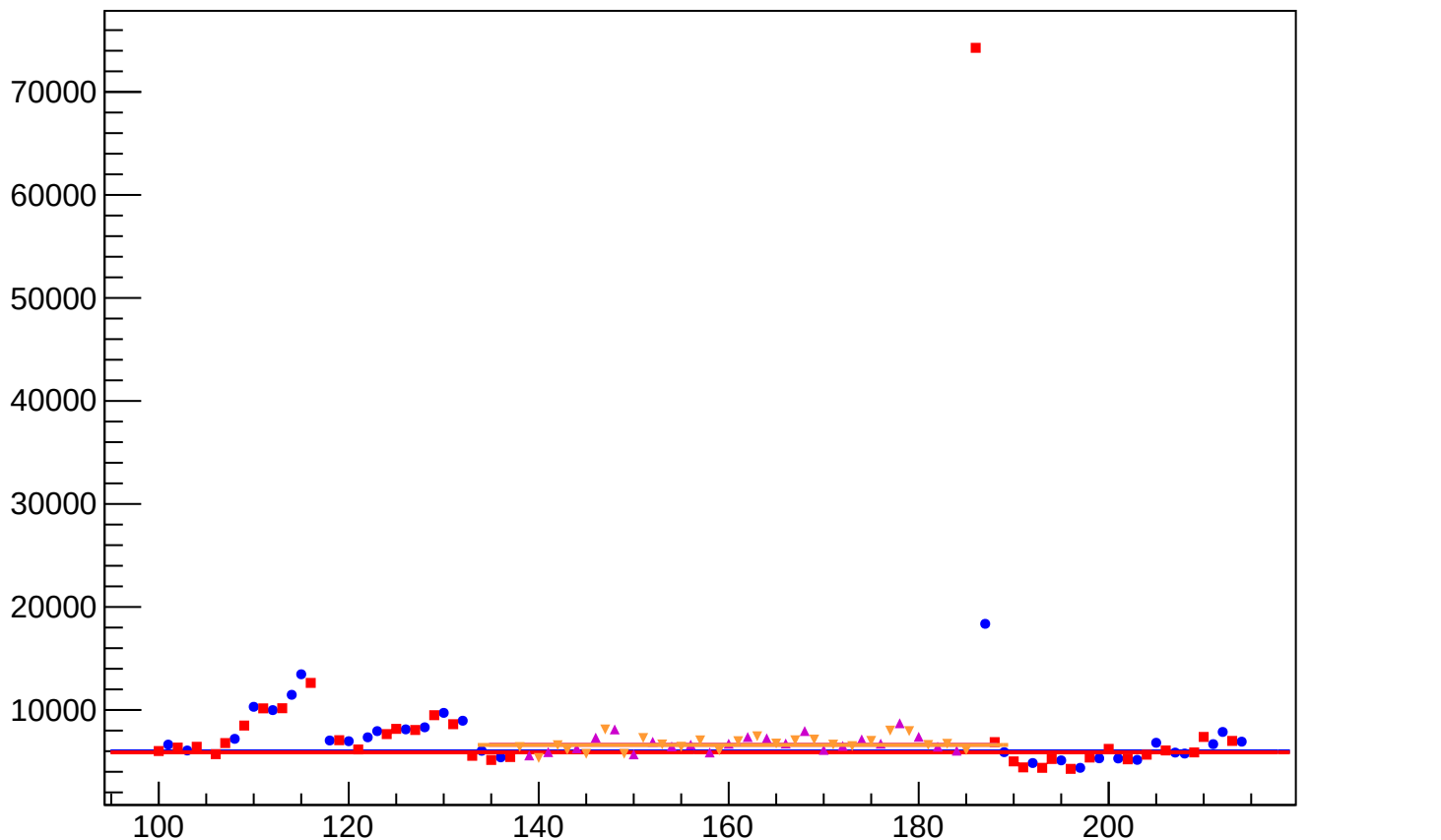
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.221 ± 1.083 χ^2/NDF : 48.2/55

All: 2.477 ± 0.766 χ^2/NDF : 118.6/112

- sign 2.734 ± 1.084 χ^2/NDF : 70.3/56

diff_bpm4eY_rms vs Slug



Right In: 5990.261+/-1.070 χ^2/NDF : 1626631.9/30

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 5889.548+/-1.043 χ^2/NDF : 2232326.0/33

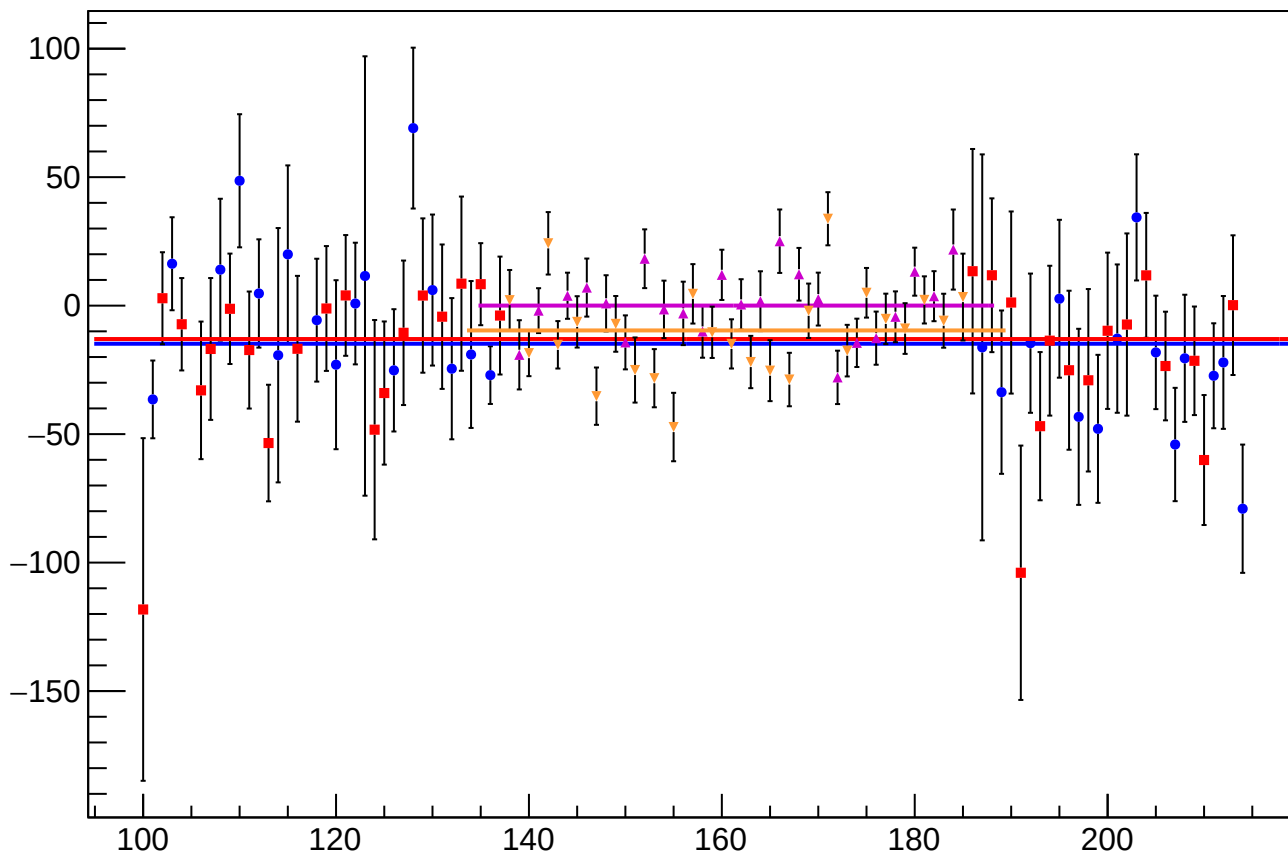
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6291.300+/-0.766 χ^2/NDF : 2187117.8/55

All: 6260.260+/-0.542 χ^2/NDF : 5083943.0/11

- sign 6229.171+/-0.766 χ^2/NDF : 2893537.6/56

diff_bpm4acX_mean vs Slug



Right In: -14.830 ± 4.365 $\chi^2/\text{NDF}: 40.9/30$

Left Out: -9.649 ± 2.118 $\chi^2/\text{NDF}: 59.8/24$

Right Out: -12.996 ± 4.470 $\chi^2/\text{NDF}: 23.7/33$

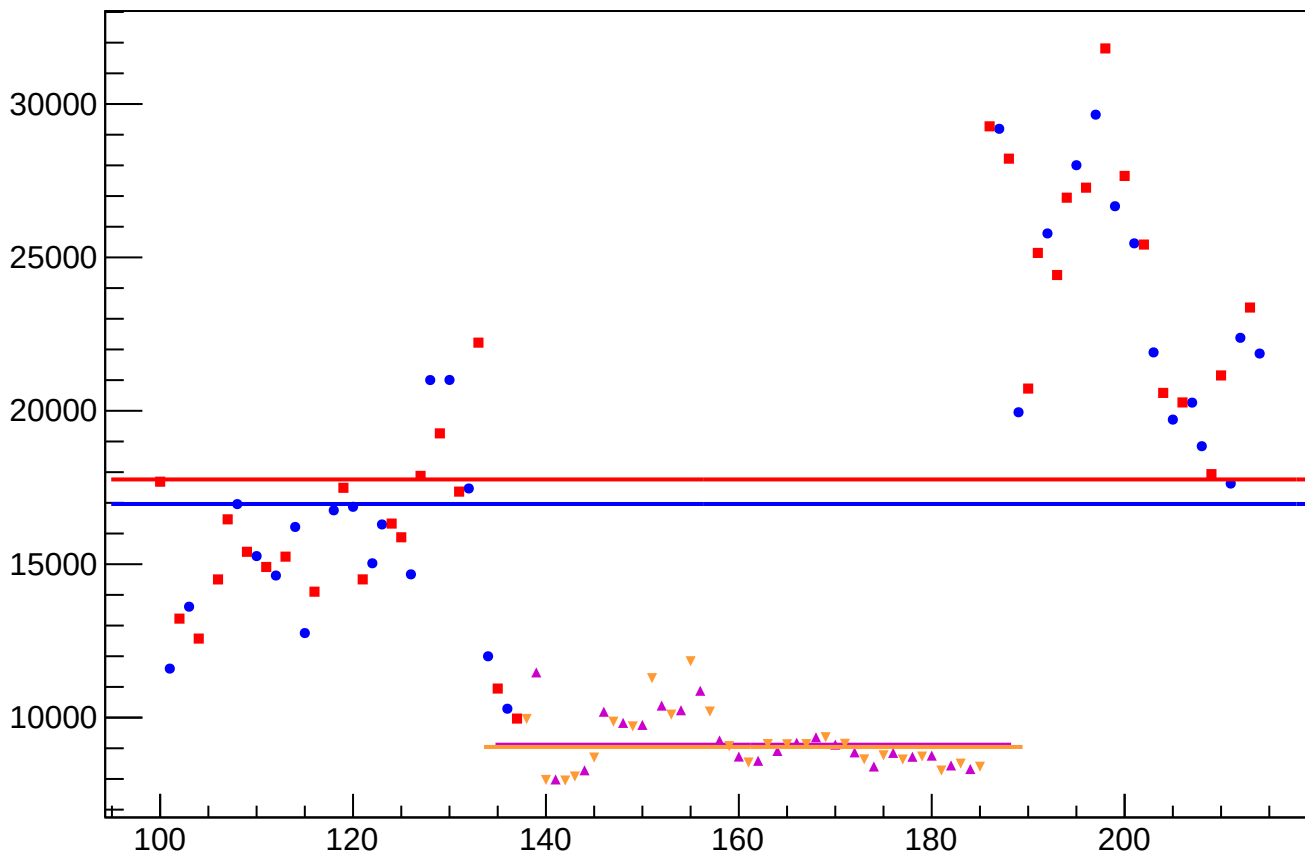
Left In: 0.019 ± 2.192 $\chi^2/\text{NDF}: 30.6/22$

+ sign -10.636 ± 1.906 $\chi^2/\text{NDF}: 101.9/55$

All: -6.701 ± 1.369 $\chi^2/\text{NDF}: 171.9/112$

- sign -2.504 ± 1.968 $\chi^2/\text{NDF}: 61.2/56$

diff_bpm4acX_rms vs Slug



Right In: 16962.865 $\pm$ 3.086 χ^2 /NDF: 2805554.6/30

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF:328192.2/24

Right Out: 17762.773 $\pm$ 3.161 χ^2 /NDF: 2836169.7/33

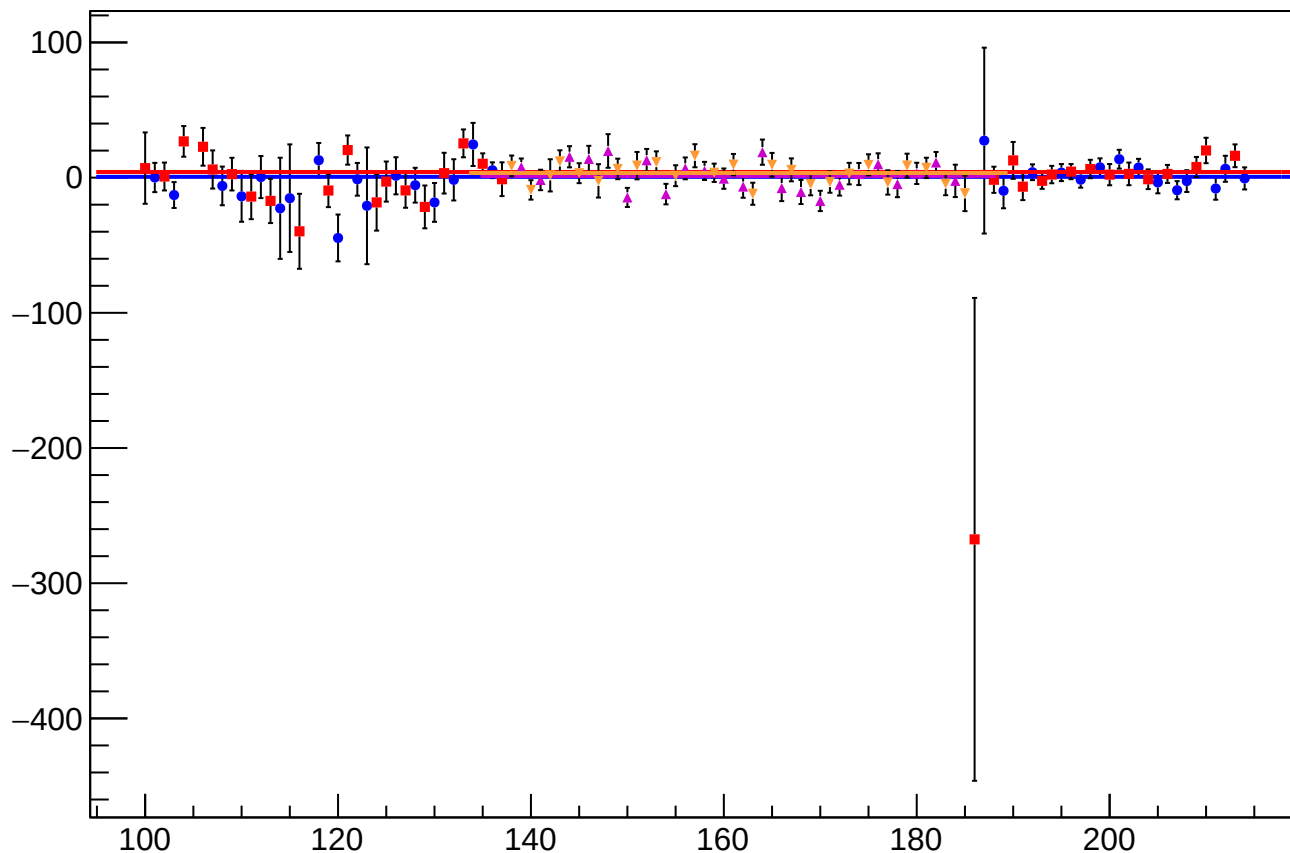
Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

+ sign 10553.036 $\pm$ 1.348 χ^2 /NDF: 8462466.4/55

All: 10669.197 $\pm$ 0.968 χ^2 /NDF: 17623797.3

- sign 10793.090 $\pm$ 1.392 χ^2 /NDF: 9145974.2/56

diff_bpm4acY_mean vs Slug



Right In: 0.601 ± 1.682 χ^2/NDF : 27.7/30

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 4.188 ± 1.664 χ^2/NDF : 36.5/33

Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

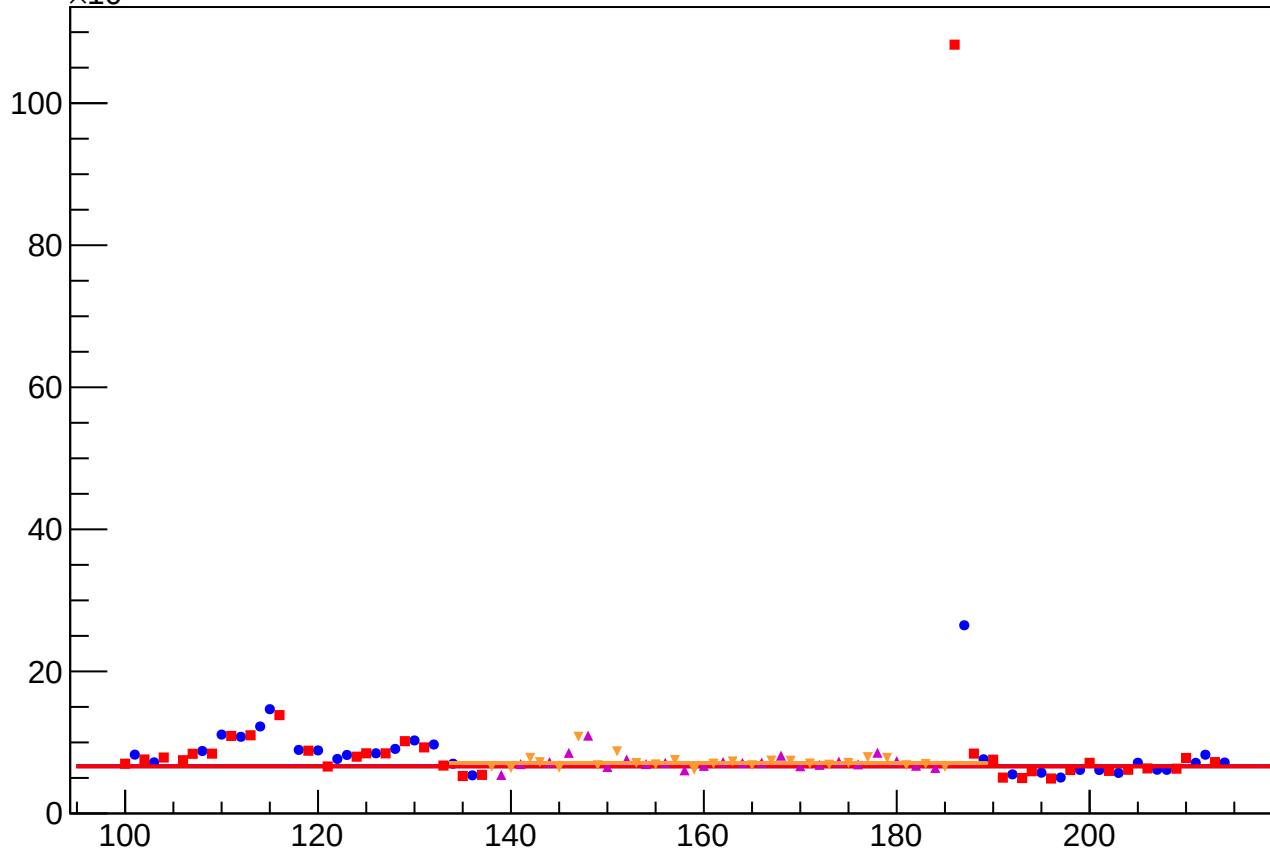
+ sign 2.033 ± 1.184 χ^2/NDF : 48.0/55

All: 2.401 ± 0.839 χ^2/NDF : 122.8/112

- sign 2.771 ± 1.189 χ^2/NDF : 74.6/56

diff_bpm4acY_rms vs Slug

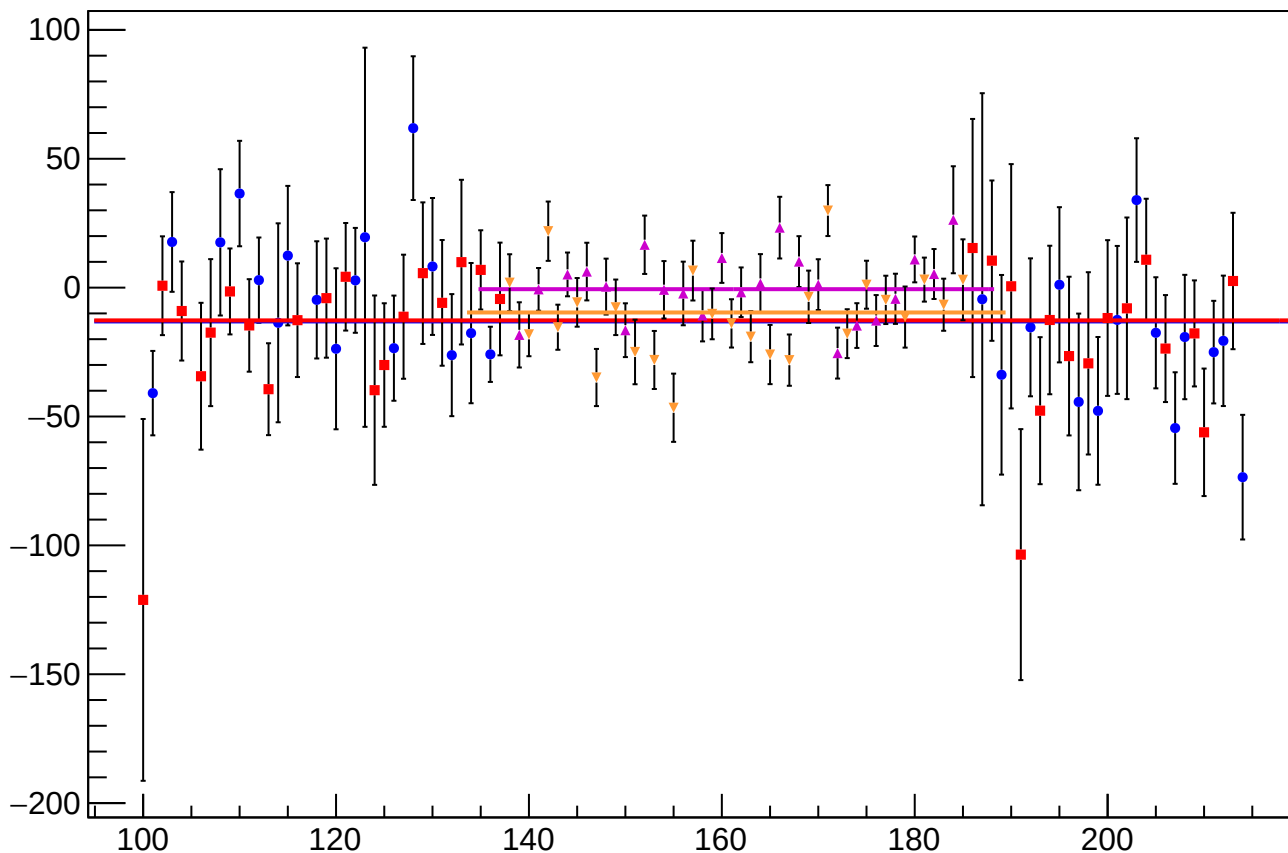
$\times 10^3$



Right In: 6650.393 $\pm$ 1.189 χ^2 /NDF: 1612713.0/30
 Left Out: 7098.726 $\pm$ 1.178 χ^2 /NDF: 382550.4/24
 Right Out: 6631.117 $\pm$ 1.176 χ^2 /NDF: 2154217.9/33
 Left In: 7033.702 $\pm$ 1.203 χ^2 /NDF: 541035.5/22

+ sign 6876.655 $\pm$ 0.837 χ^2 /NDF: 2066997.8/55
 All: 6852.417 $\pm$ 0.593 χ^2 /NDF: 4821202.2/11
 - sign 6827.945 $\pm$ 0.841 χ^2 /NDF: 2752518.8/56

diff_bpm4ecX_mean vs Slug



Right In: -13.117 ± 4.138 $\chi^2/\text{NDF}: 42.4/30$

Left Out: -9.640 ± 2.057 $\chi^2/\text{NDF}: 57.6/24$

Right Out: -12.708 ± 4.199 $\chi^2/\text{NDF}: 22.0/33$

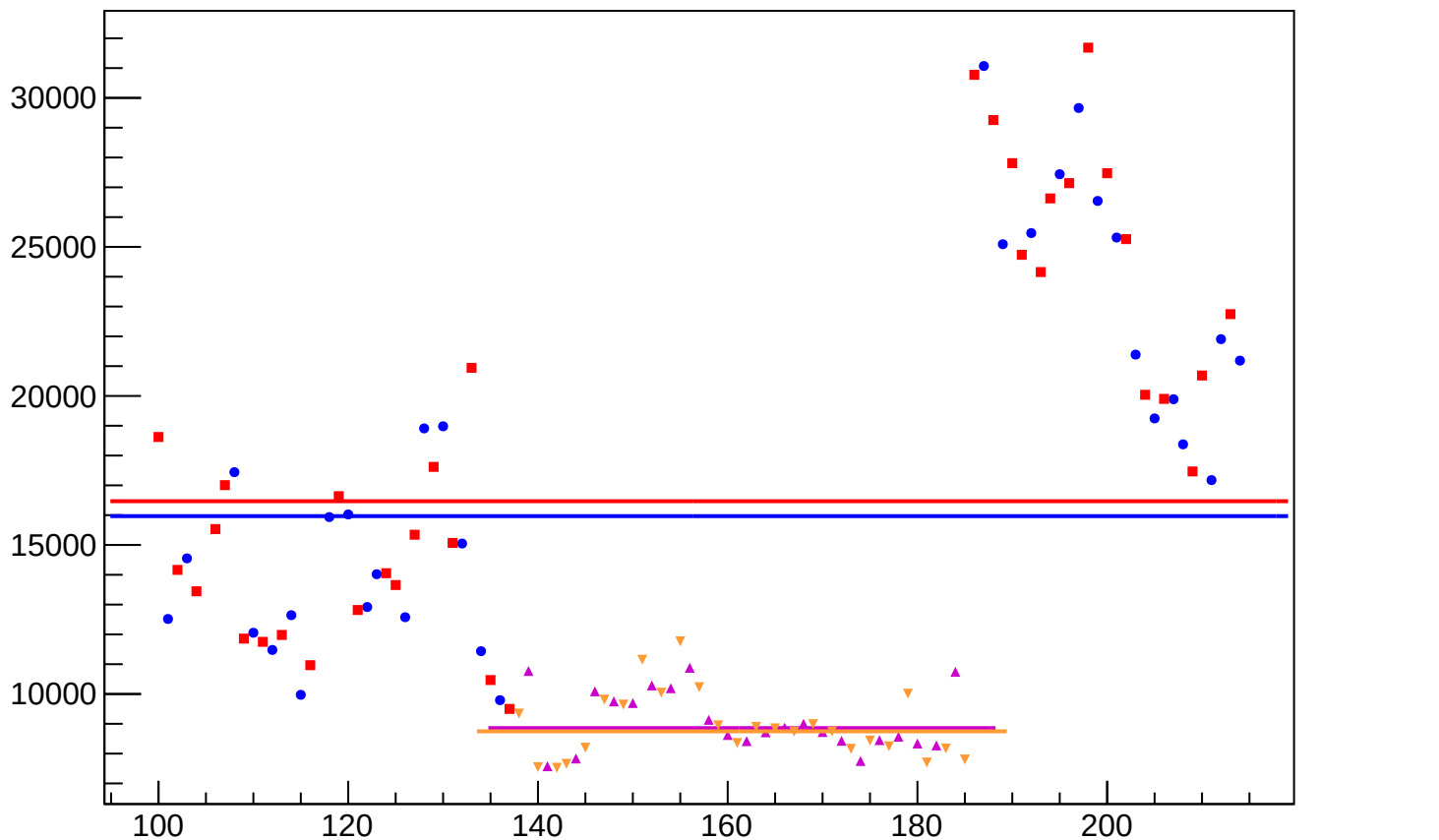
Left In: -0.599 ± 2.135 $\chi^2/\text{NDF}: 29.7/22$

+ sign -10.329 ± 1.842 $\chi^2/\text{NDF}: 100.6/55$

All: -6.826 ± 1.324 $\chi^2/\text{NDF}: 166.4/112$

- sign -3.086 ± 1.903 $\chi^2/\text{NDF}: 58.3/56$

diff_bpm4ecX_rms vs Slug



Right In: 15967.969 ± 2.926 χ^2/NDF : 3284548.2/30

Left Out: 8748.407 ± 1.455 χ^2/NDF : 463394.1/24

Right Out: 16468.758 ± 2.969 χ^2/NDF : 3627809.8/33

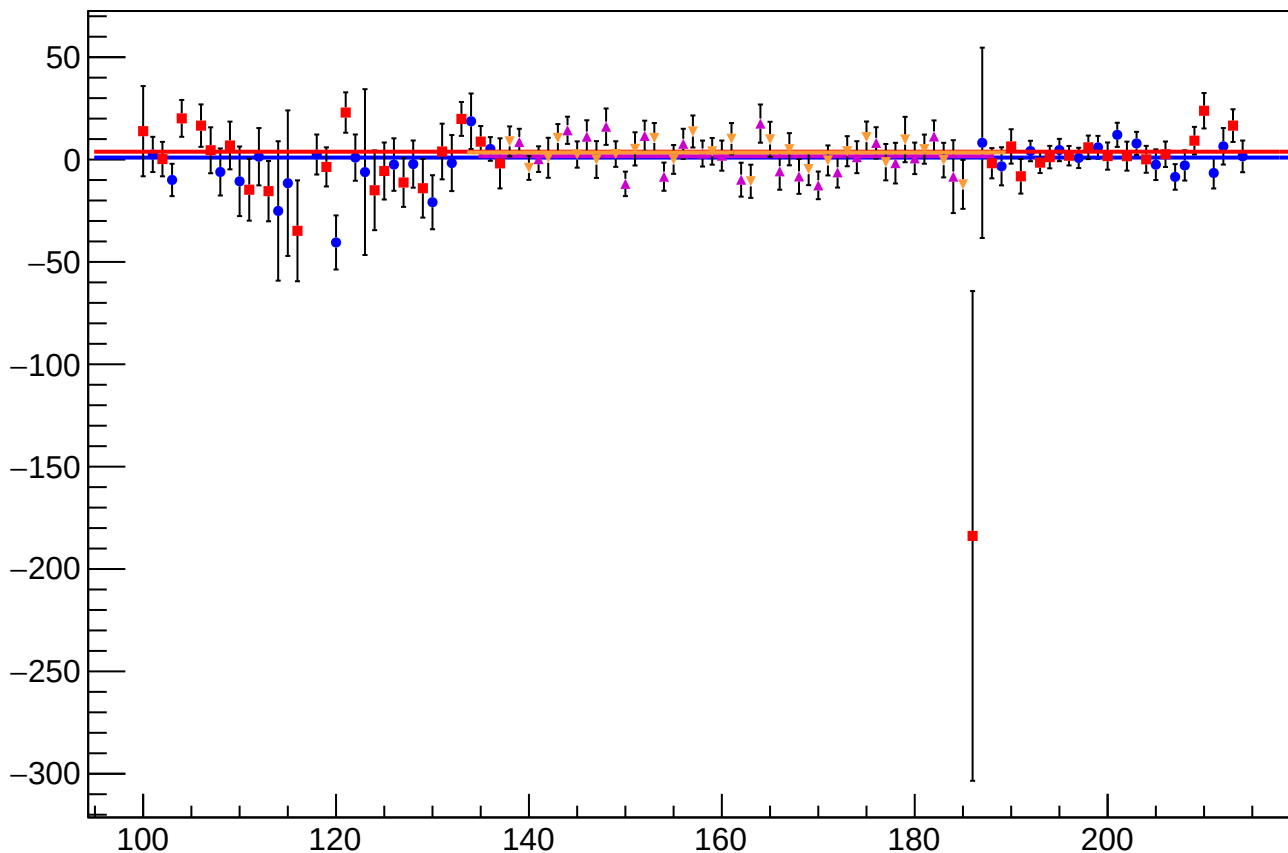
Left In: 8855.591 ± 1.510 χ^2/NDF : 367542.7/22

+ sign 10179.165 ± 1.303 χ^2/NDF : 8629155.7/55

All: 10295.303 ± 0.936 χ^2/NDF : 17864088.2

- sign 10419.263 ± 1.346 χ^2/NDF : 9218498.9/56

diff_bpm4ecY_mean vs Slug



Right In: 0.968 ± 1.477 χ^2/NDF : 29.7/30

Left Out: 3.473 ± 1.524 χ^2/NDF : 15.8/24

Right Out: 3.835 ± 1.437 χ^2/NDF : 40.1/33

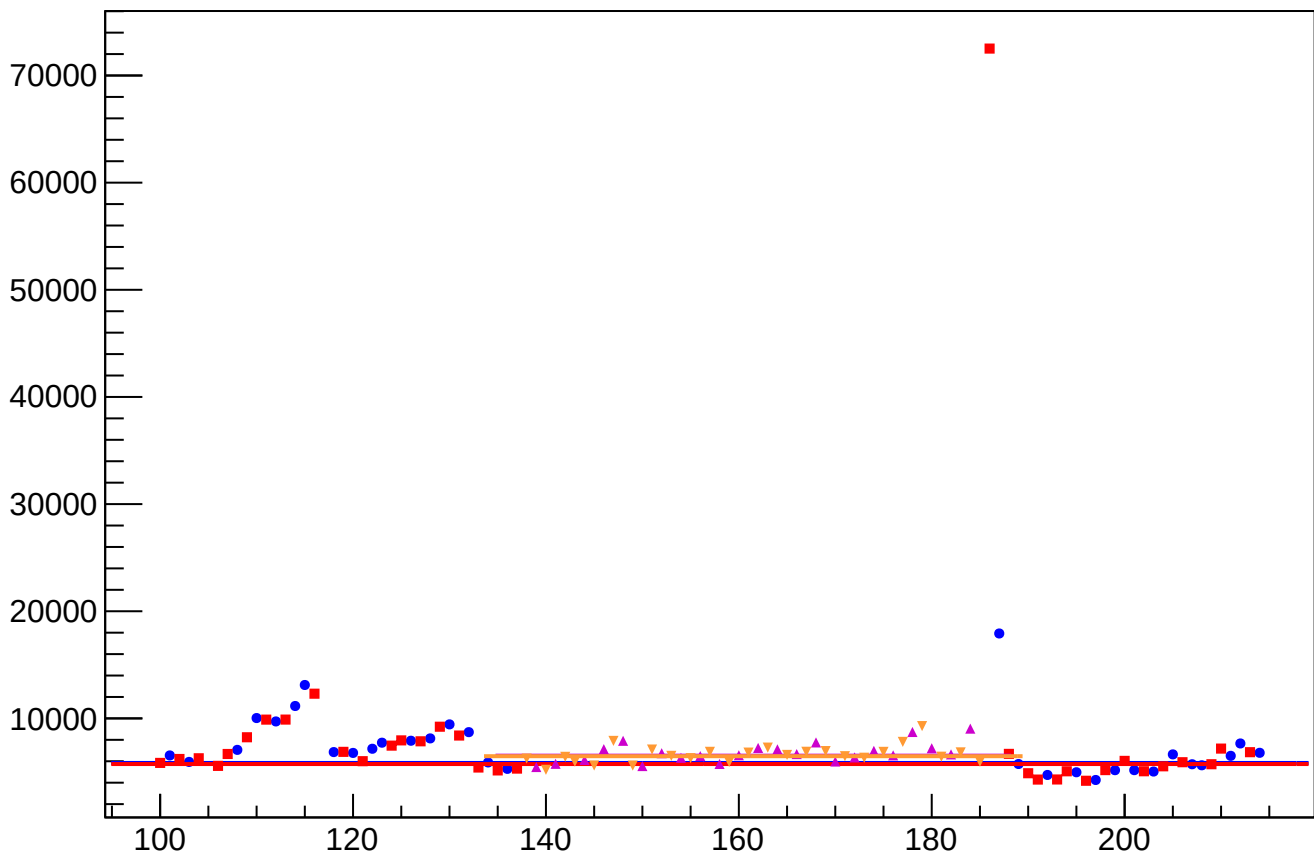
Left In: 1.638 ± 1.578 χ^2/NDF : 33.7/22

+ sign 2.181 ± 1.061 χ^2/NDF : 46.8/55

All: 2.509 ± 0.751 χ^2/NDF : 121.9/112

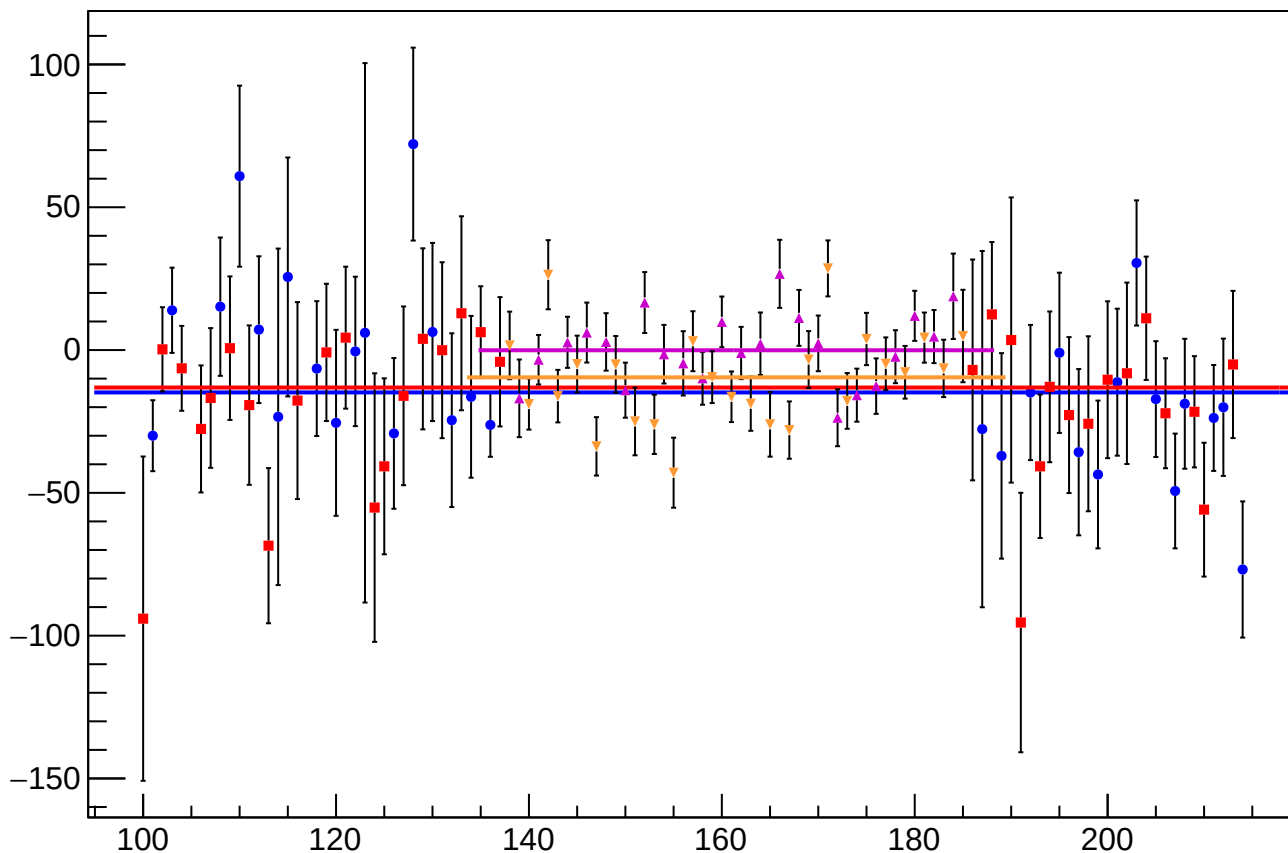
- sign 2.839 ± 1.063 χ^2/NDF : 74.9/56

diff_bpm4ecY_rms vs Slug



Right In: 5840.896+/-1.044	χ^2/NDF : 1634446.4/30	+ sign 6146.417+/-0.750	χ^2/NDF : 2301579.0/55
Left Out: 6471.976+/-1.078	χ^2/NDF : 490282.9/24	All: 6120.512+/-0.531	χ^2/NDF : 5276341.8/11
Right Out: 5739.764+/-1.016	χ^2/NDF : 2223735.9/33	- sign 6094.509+/-0.751	χ^2/NDF : 2972372.0/56
Left In: 6521.975+/-1.116	χ^2/NDF : 480034.7/22		

diff_bpm1X_mean vs Slug



Right In: -14.839 ± 4.165 χ^2/NDF : 40.0/30

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -13.122 ± 4.285 χ^2/NDF : 24.1/33

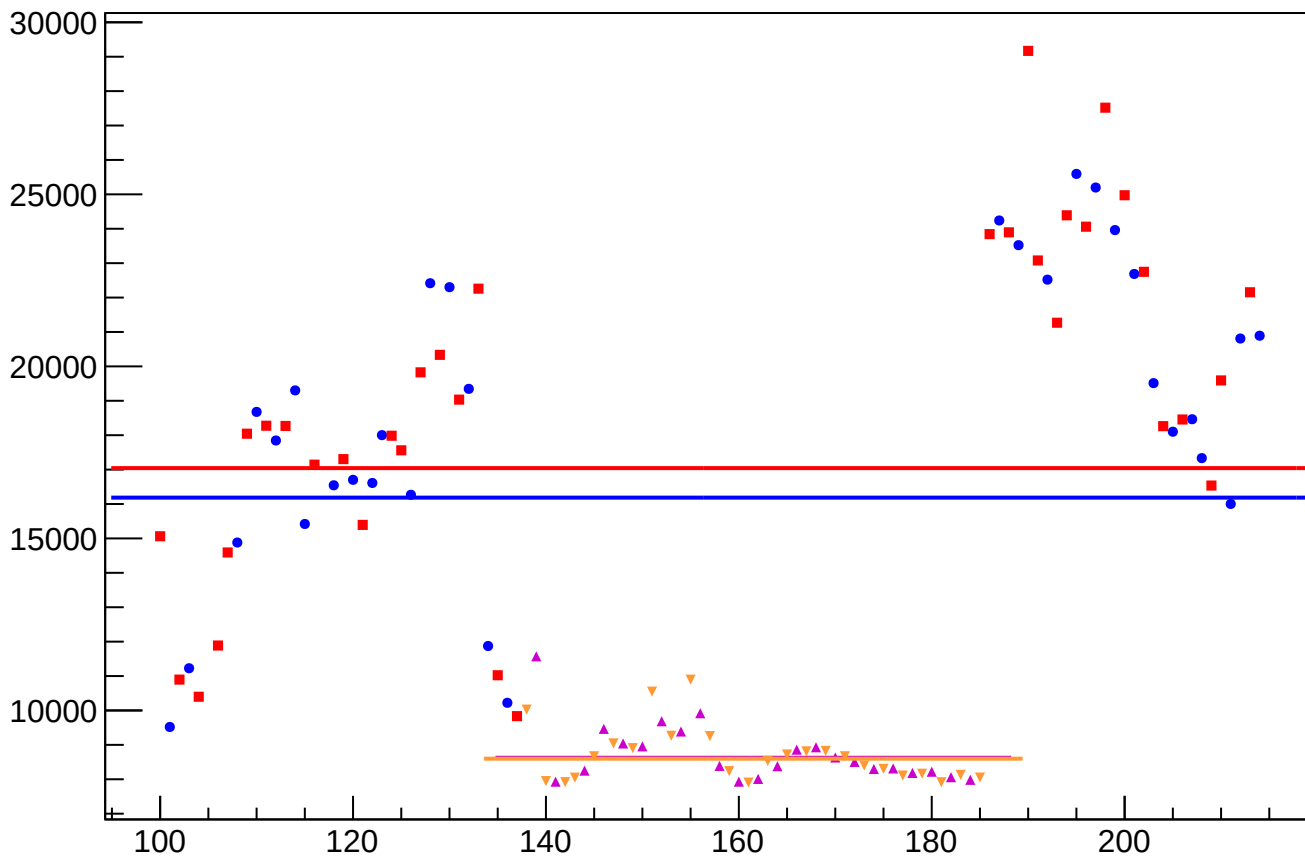
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -10.554 ± 1.812 χ^2/NDF : 100.8/55

All: -6.669 ± 1.300 χ^2/NDF : 171.8/112

- sign -2.547 ± 1.866 χ^2/NDF : 61.5/56

diff_bpm1X_rms vs Slug



Right In: 16185.671 $\pm$ 2.945 χ^2 /NDF: 2847518.0/30

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 17043.474 $\pm$ 3.030 χ^2 /NDF: 2766167.5/33

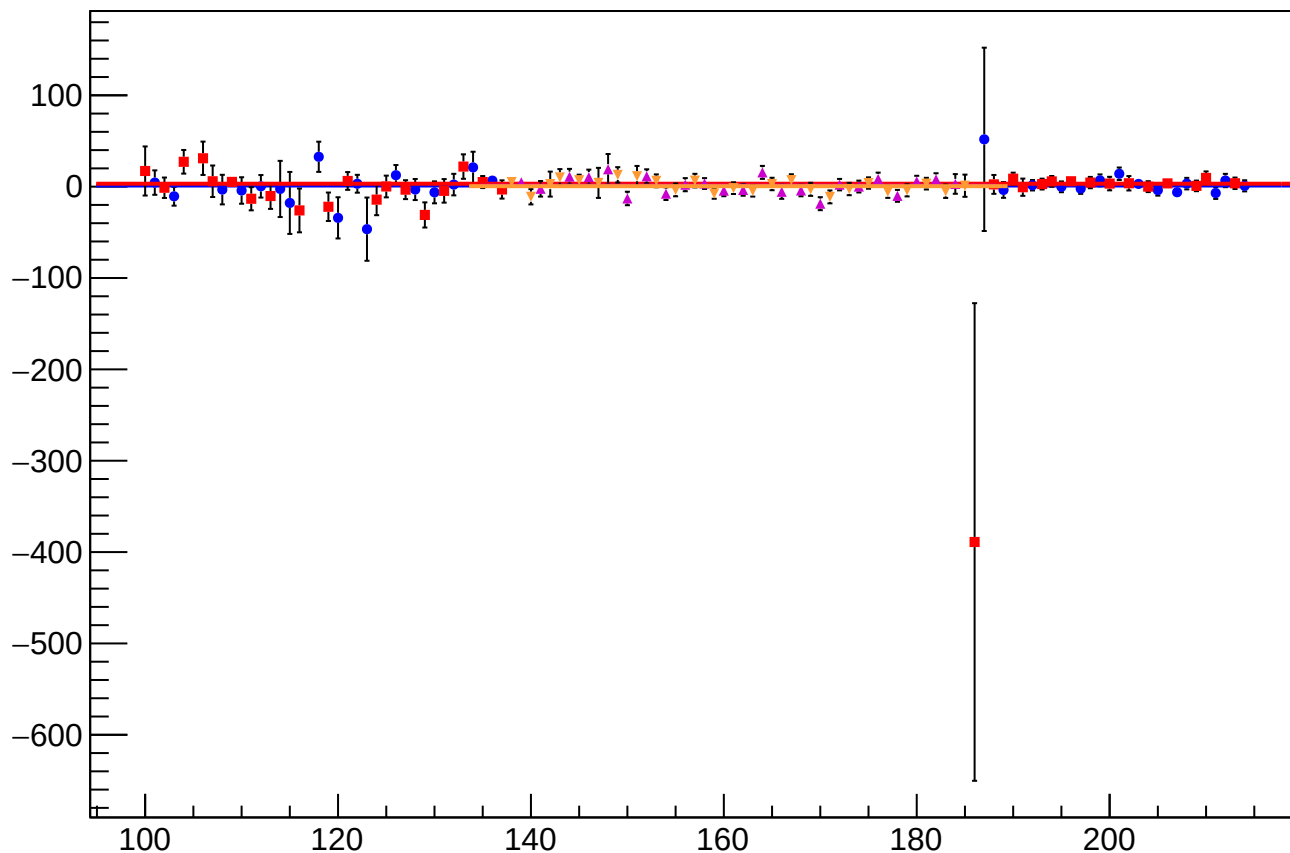
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 10034.212 $\pm$ 1.281 χ^2 /NDF: 8477439.6/55

All: 10125.190 $\pm$ 0.919 χ^2 /NDF: 17747760.3

- sign 10221.710 $\pm$ 1.319 χ^2 /NDF: 9259924.3/56

diff_bpm1Y_mean vs Slug



Right In: 1.261 $\pm$ 1.456 χ^2 /NDF: 24.7/30

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.210 $\pm$ 1.407 χ^2 /NDF: 28.5/33

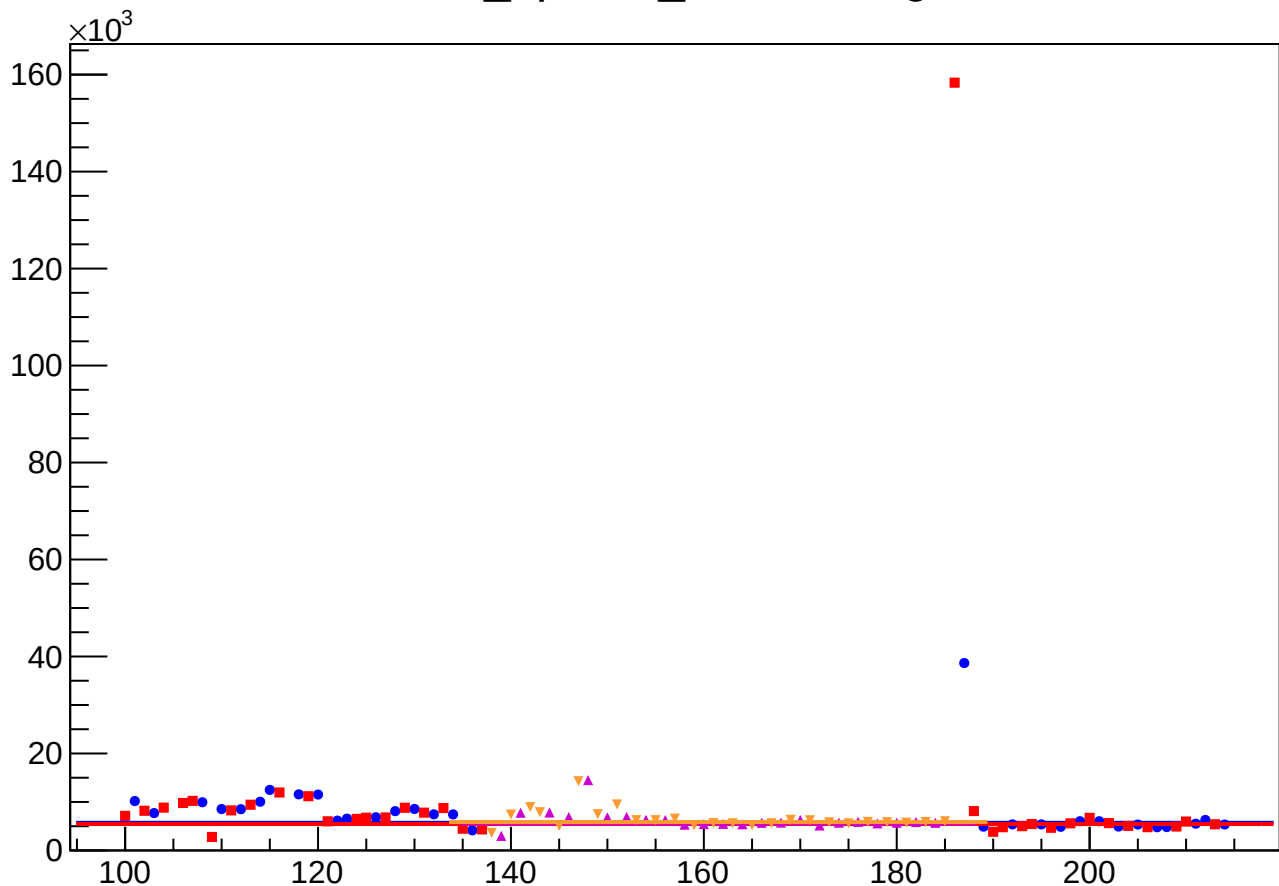
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 0.885 $\pm$ 1.016 χ^2 /NDF: 44.3/55

All: 1.518 $\pm$ 0.709 χ^2 /NDF: 107.3/112

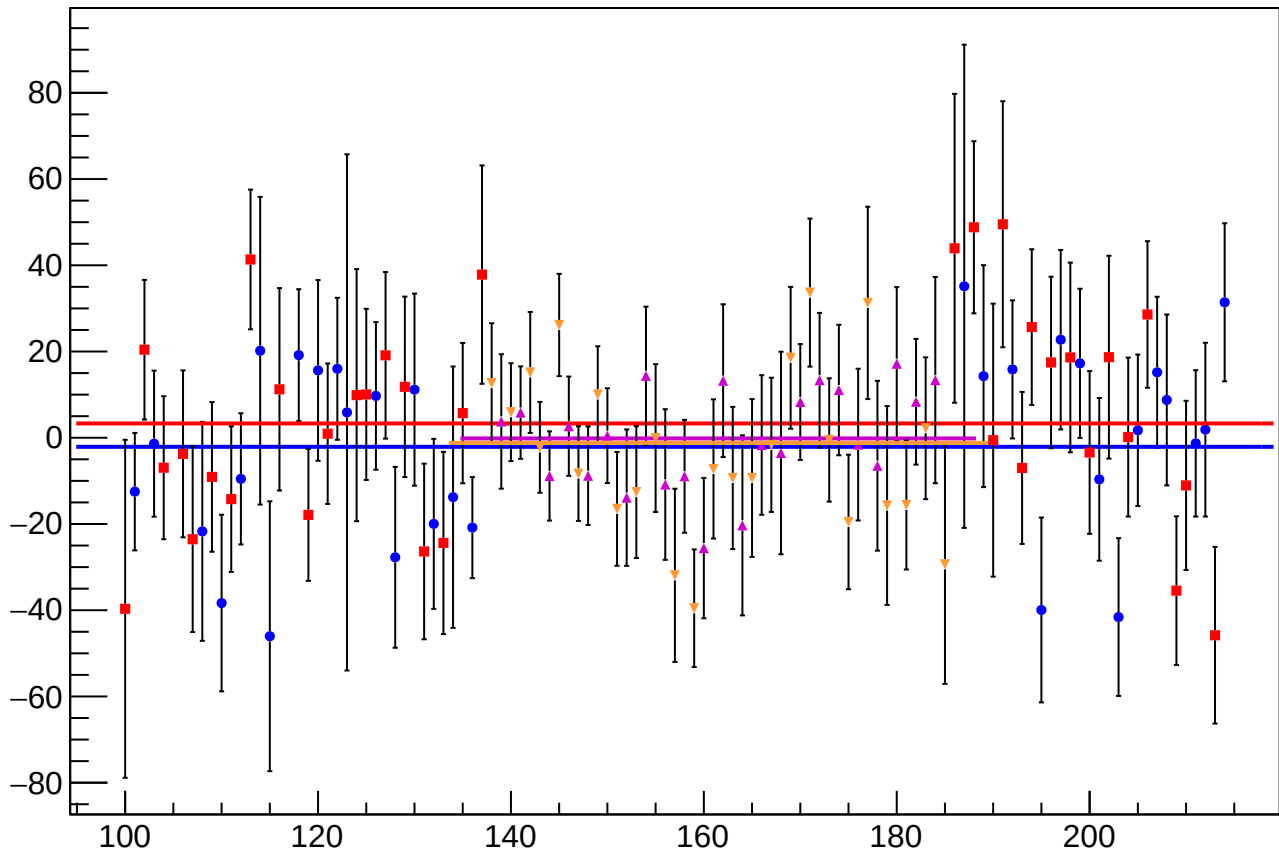
- sign 2.121 $\pm$ 0.991 χ^2 /NDF: 62.2/56

diff_bpm1Y_rms vs Slug



Right In: 5701.317 ± 1.029 $\chi^2/\text{NDF}: 2117142.4/30$ + sign 5783.068 ± 0.718 $\chi^2/\text{NDF}: 3819483.0/55$
 Left Out: 5860.605 ± 1.002 $\chi^2/\text{NDF}: 1690049.2/24$ All: 5642.512 ± 0.502 $\chi^2/\text{NDF}: 9527230.0/11$
 Right Out: 5445.005 ± 0.995 $\chi^2/\text{NDF}: 3462052.7/33$ - sign 5508.696 ± 0.701 $\chi^2/\text{NDF}: 5632966.2/56$
 Left In: 5571.330 ± 0.987 $\chi^2/\text{NDF}: 2162788.3/22$

diff_bpm11X_mean vs Slug



Right In: -2.102 ± 3.422 χ^2/NDF : 34.1/30

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 3.314 ± 3.374 χ^2/NDF : 46.4/33

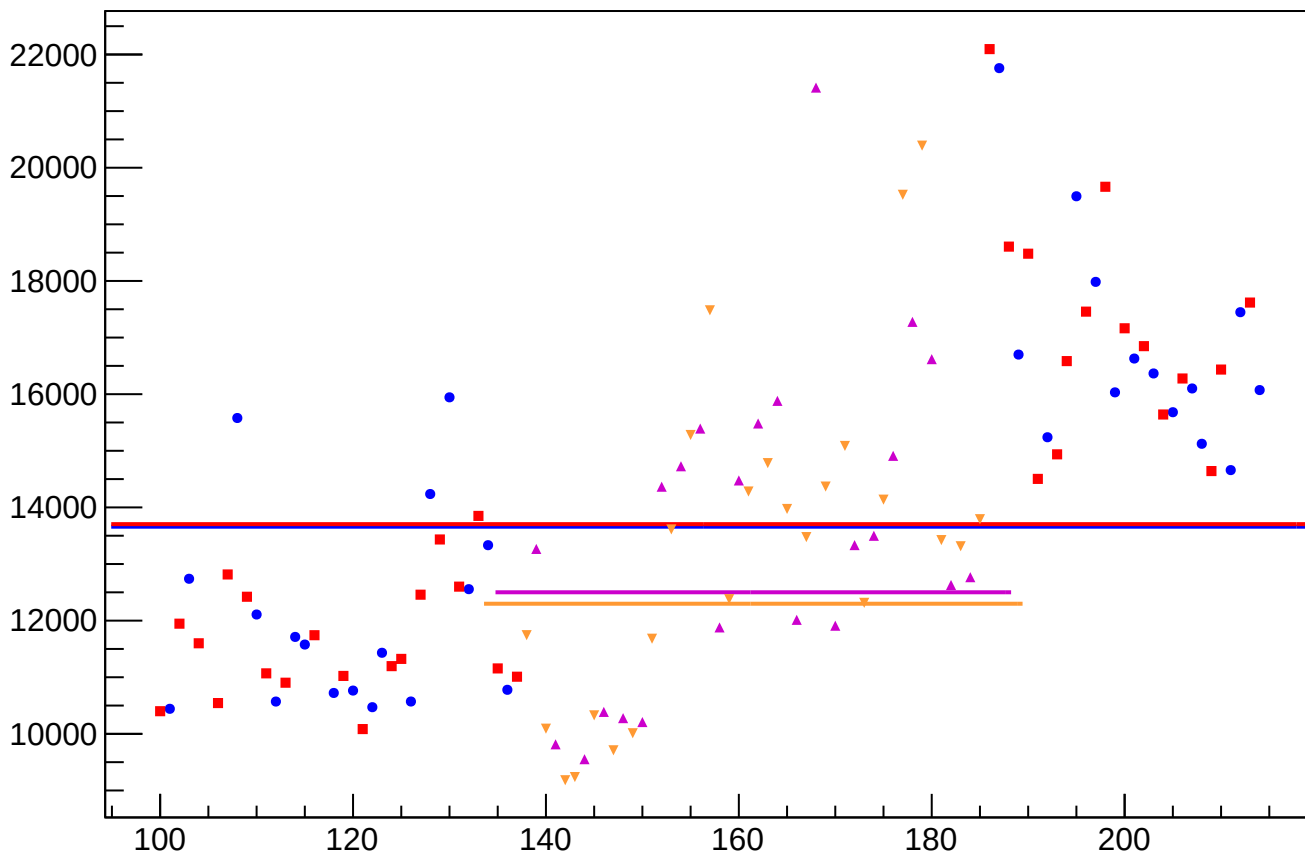
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -1.573 ± 2.229 χ^2/NDF : 67.8/55

All: -0.106 ± 1.589 χ^2/NDF : 127.2/112

- sign 1.408 ± 2.266 χ^2/NDF : 58.5/56

diff_bpm11X_rms vs Slug



Right In: 13659.526+/-2.419 χ^2/NDF : 1285691.7/30

Left Out: 12298.676+/-2.078 χ^2/NDF : 1506026.8/24

Right Out: 13704.527+/-2.386 χ^2/NDF : 1394644.3/33

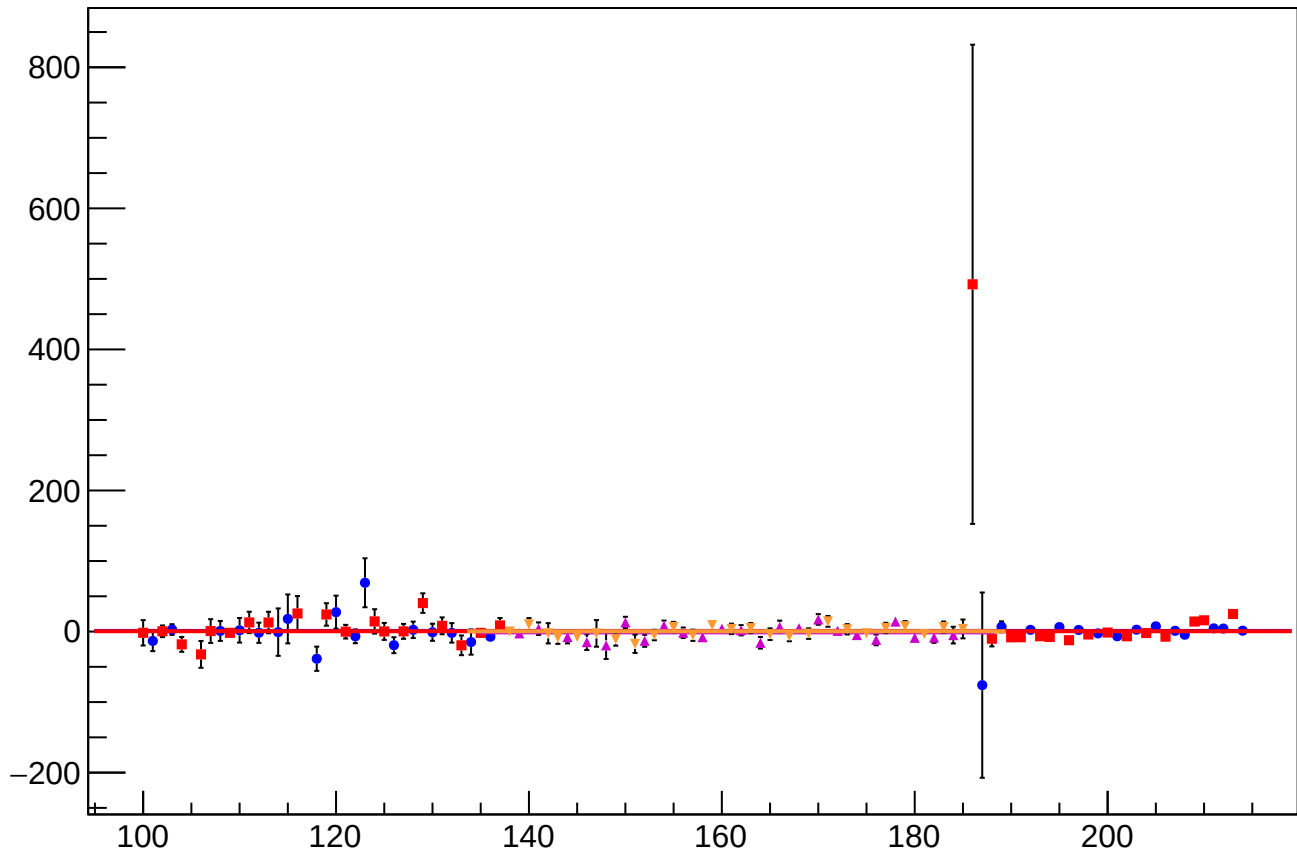
Left In: 12500.795+/-2.162 χ^2/NDF : 1357889.1/22

+ sign 12876.401+/-1.576 χ^2/NDF : 2973775.3/55

All: 12958.652+/-1.124 χ^2/NDF : 5871588.5/100

- sign 13043.621+/-1.602 χ^2/NDF : 2892278.6/56

diff_bpm11Y_mean vs Slug



Right In: 0.886 ± 1.189 χ^2/NDF : 29.5/30

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 0.468 ± 1.199 χ^2/NDF : 90.8/33

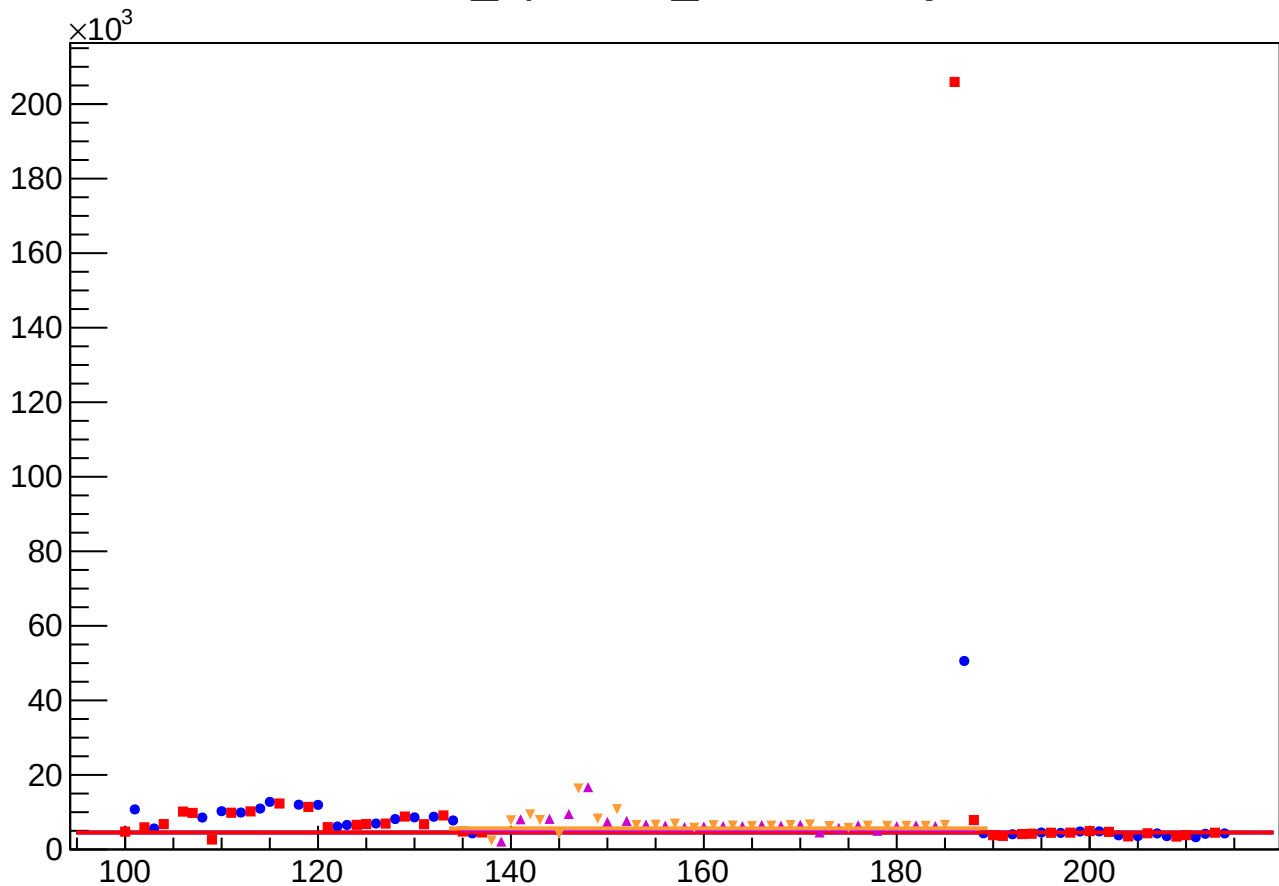
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.669 ± 0.915 χ^2/NDF : 48.7/55

All: 0.208 ± 0.643 χ^2/NDF : 174.4/112

- sign -0.239 ± 0.902 χ^2/NDF : 125.2/56

diff_bpm11Y_rms vs Slug



Right In: 4546.729 $\pm$ 0.841 χ^2/NDF : 3441743.0/30

Left Out: 5659.441 $\pm$ 1.014 χ^2/NDF : 4128583.6/24

Right Out: 4556.997 $\pm$ 0.847 χ^2/NDF : 3959194.1/33

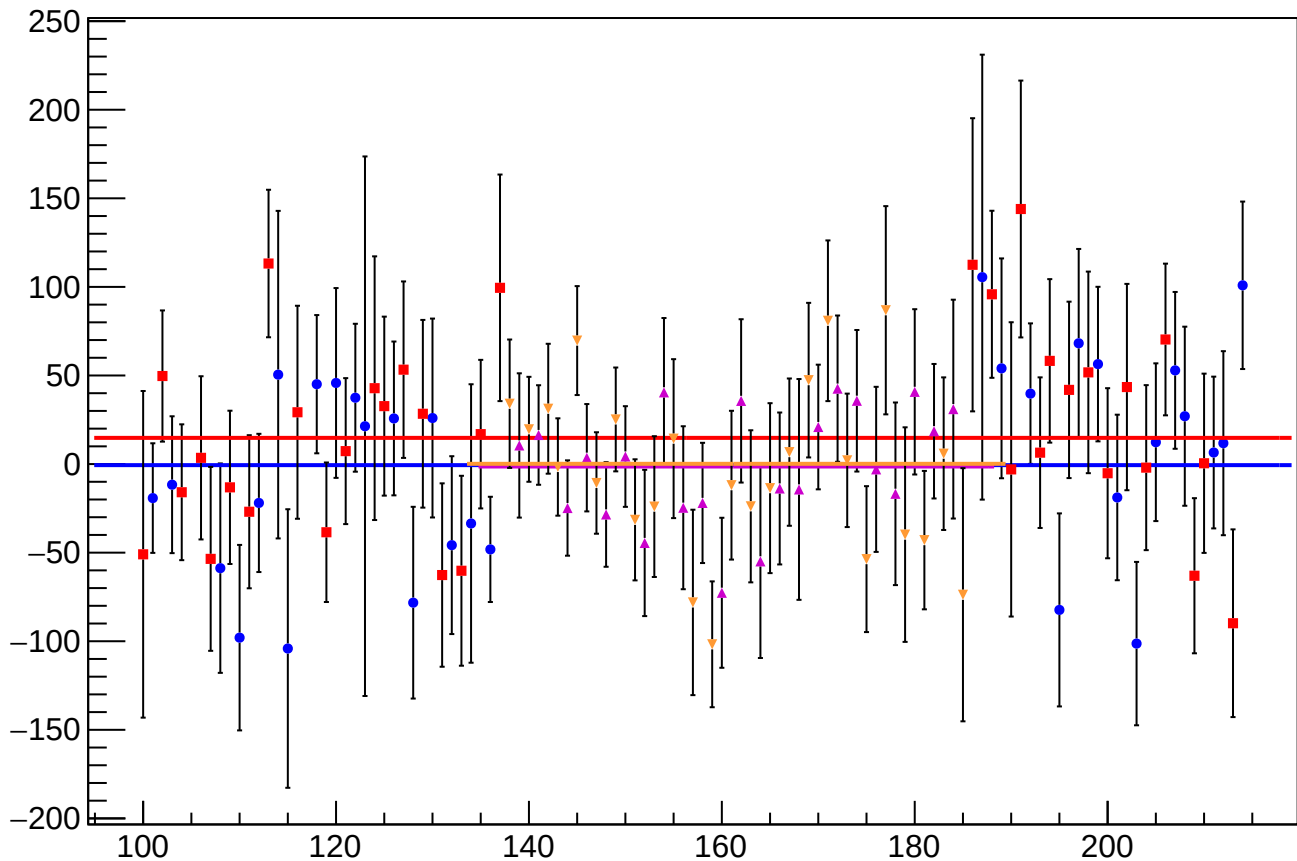
Left In: 5137.772 $\pm$ 0.970 χ^2/NDF : 5495609.7/22

+ sign 5000.478 $\pm$ 0.647 χ^2/NDF : 8284064.7/55

All: 4903.122 $\pm$ 0.454 χ^2/NDF : 17986854.3/100

- sign 4808.491 $\pm$ 0.638 χ^2/NDF : 9658172.9/56

diff_bpm12X_mean vs Slug



Right In: -0.602 ± 8.550 χ^2/NDF : 36.0/30

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 14.789 ± 8.431 χ^2/NDF : 38.2/33

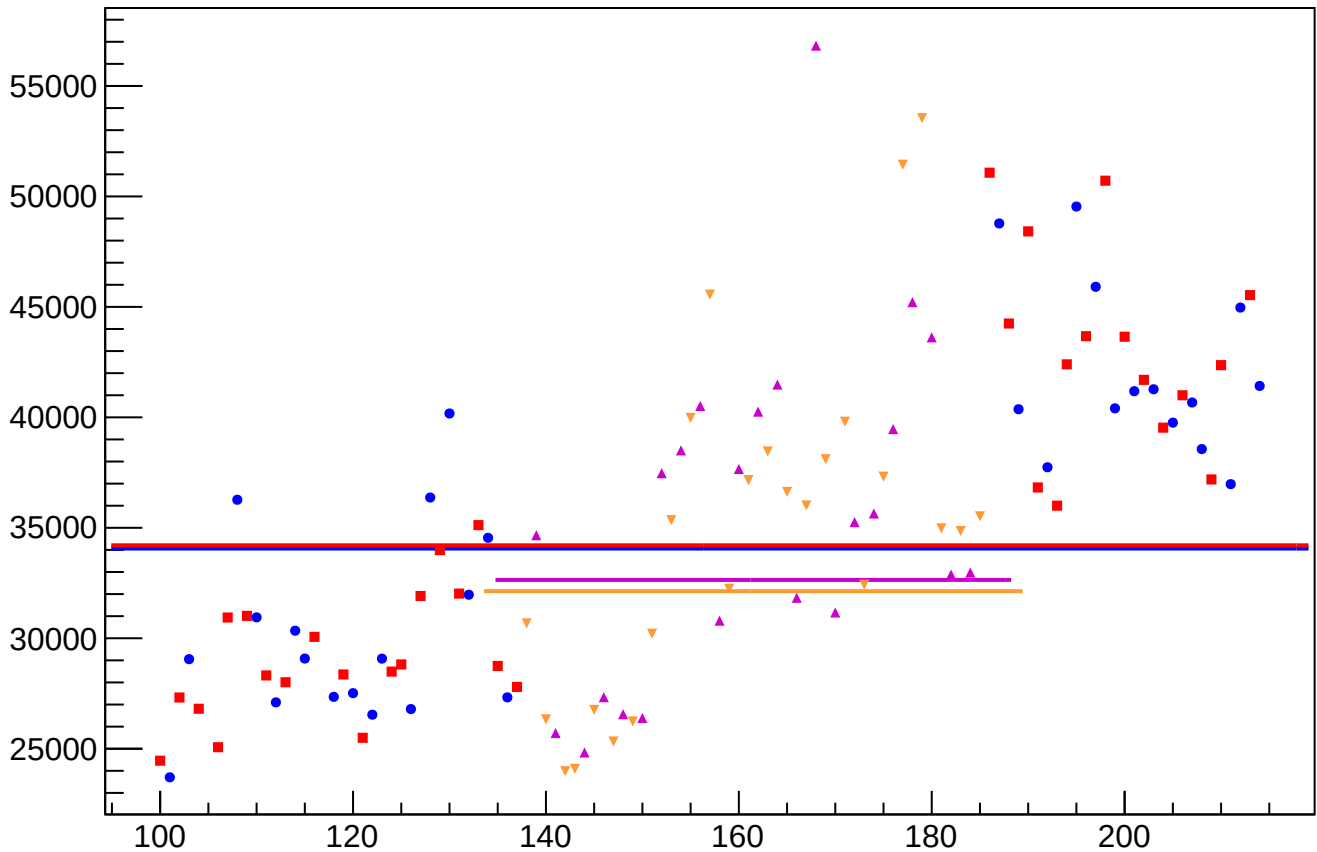
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign -0.190 ± 5.715 χ^2/NDF : 67.3/55

All: 2.994 ± 4.071 χ^2/NDF : 121.3/112

- sign 6.274 ± 5.800 χ^2/NDF : 53.4/56

diff_bpm12X_rms vs Slug



Right In: 34061.118 $\pm$ 6.046 χ^2 /NDF: 1391504.7/30

Left Out: 32132.314 $\pm$ 5.433 χ^2 /NDF:1540079.4/24

Right Out: 34208.018 $\pm$ 5.962 χ^2 /NDF: 1467161.1/33

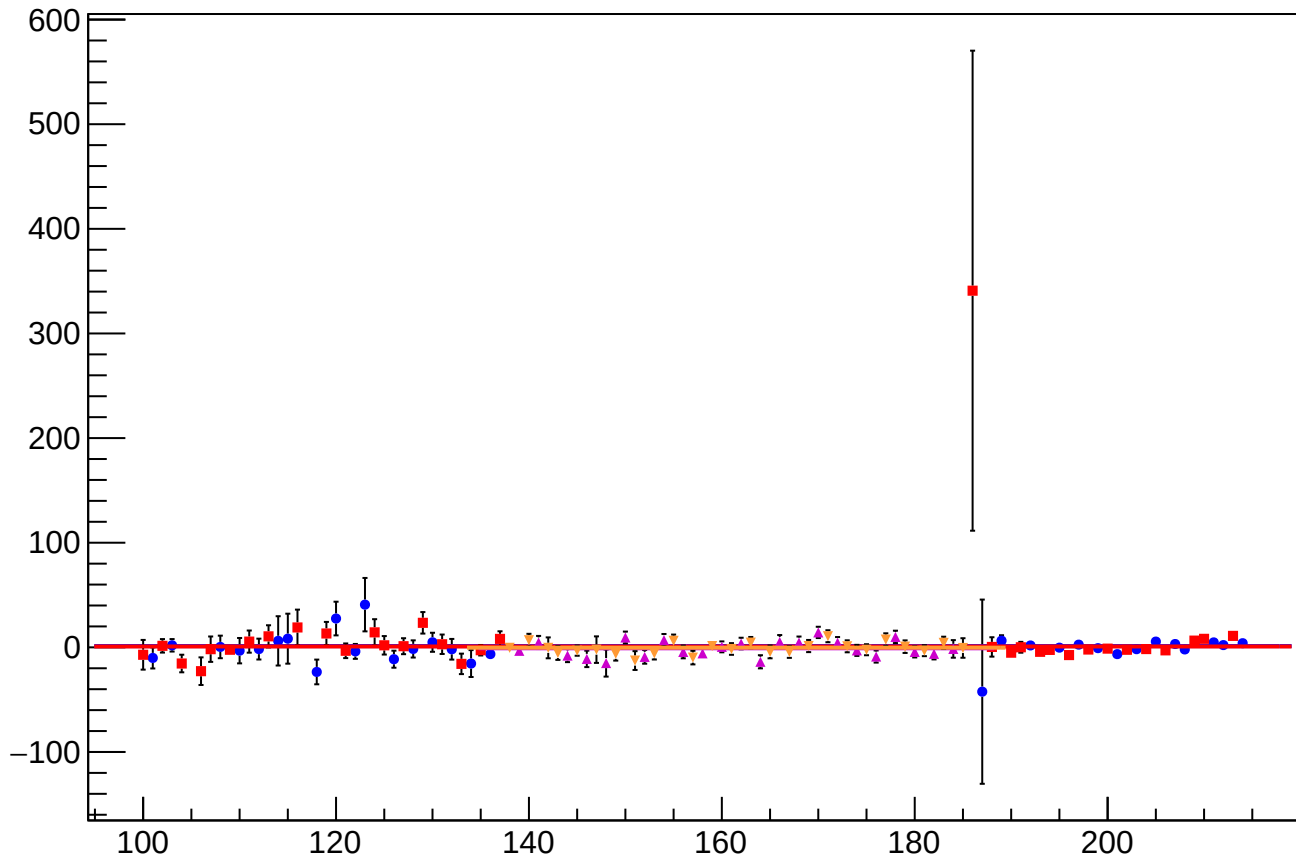
Left In: 32641.162 $\pm$ 5.650 χ^2 /NDF:1402162.4/22

+ sign 32994.057 $\pm$ 4.041 χ^2 /NDF: 2987896.5/55

All: 33185.426 $\pm$ 2.878 χ^2 /NDF: 5898161.4/100

- sign 33382.526 $\pm$ 4.101 χ^2 /NDF: 2905712.2/56

diff_bpm12Y_mean vs Slug



Right In: 1.194 ± 0.699 χ^2/NDF : 40.1/30

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 0.834 ± 0.745 χ^2/NDF : 73.4/33

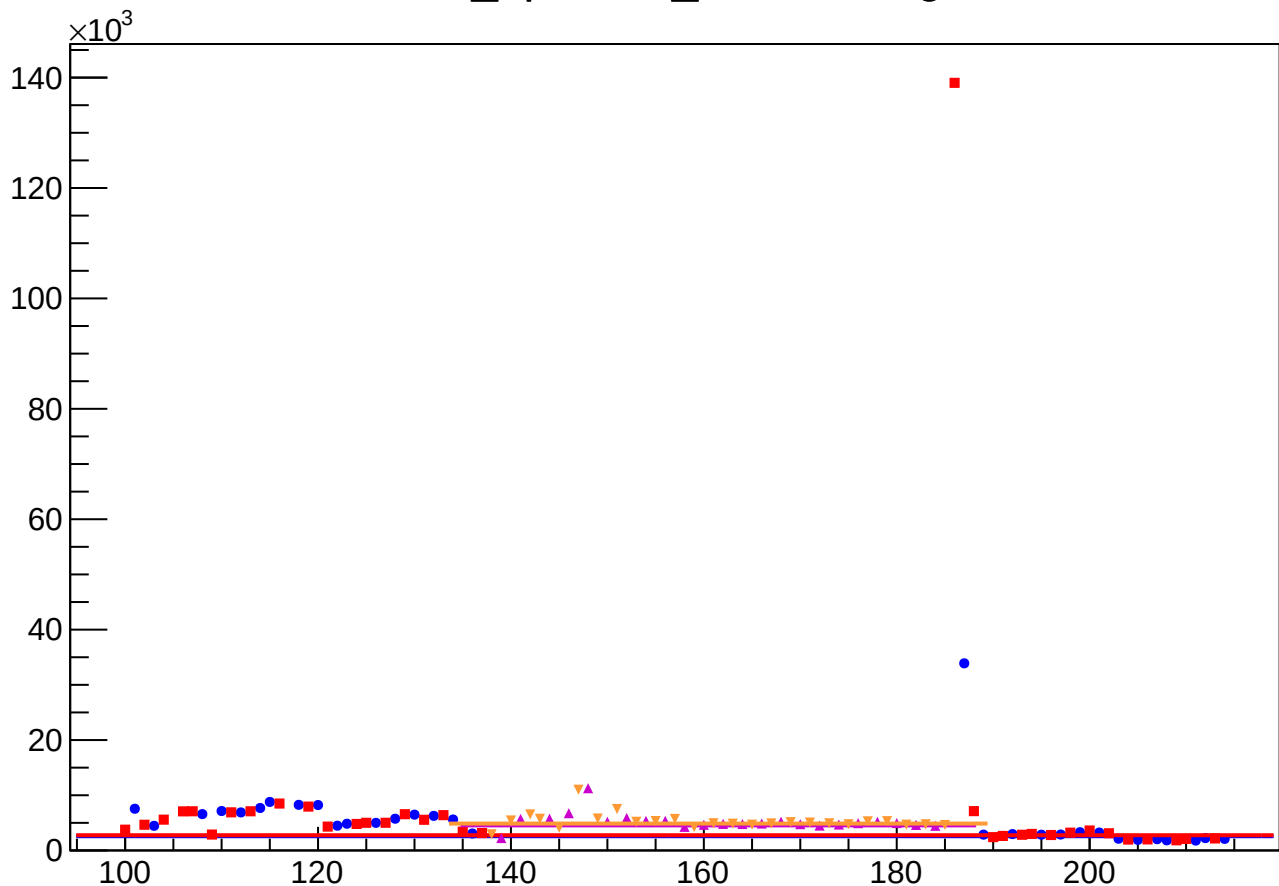
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign 0.799 ± 0.600 χ^2/NDF : 58.9/55

All: 0.566 ± 0.433 χ^2/NDF : 170.4/112

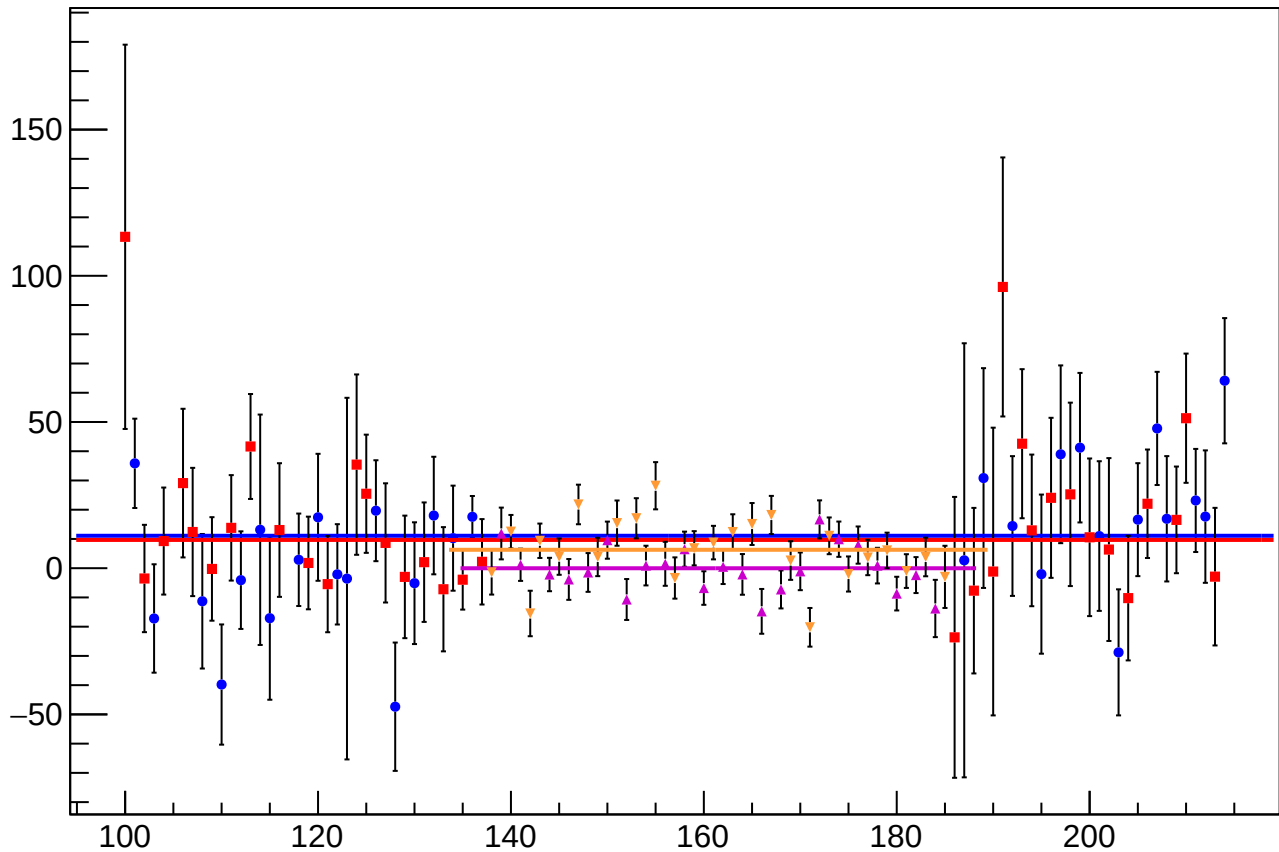
- sign 0.314 ± 0.624 χ^2/NDF : 111.2/56

diff_bpm12Y_rms vs Slug



Right In: 2579.889 ± 0.494 $\chi^2/\text{NDF}: 5444668.1/30$ + sign 3180.326 ± 0.424 $\chi^2/\text{NDF}: 12584822.6/55$
 Left Out: 4868.567 ± 0.829 $\chi^2/\text{NDF}: 1511151.0/24$ All: 3234.132 ± 0.306 $\chi^2/\text{NDF}: 24508321.0/1$
 Right Out: 2759.747 ± 0.527 $\chi^2/\text{NDF}: 5830305.5/33$ - sign 3292.292 ± 0.441 $\chi^2/\text{NDF}: 11890044.3/56$
 Left In: 4544.337 ± 0.808 $\chi^2/\text{NDF}: 2634314.4/22$

diff_bpm16X_mean vs Slug



Right In: 11.088 ± 3.430 $\chi^2/\text{NDF}: 40.4/30$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: 9.664 ± 3.577 $\chi^2/\text{NDF}: 25.0/33$

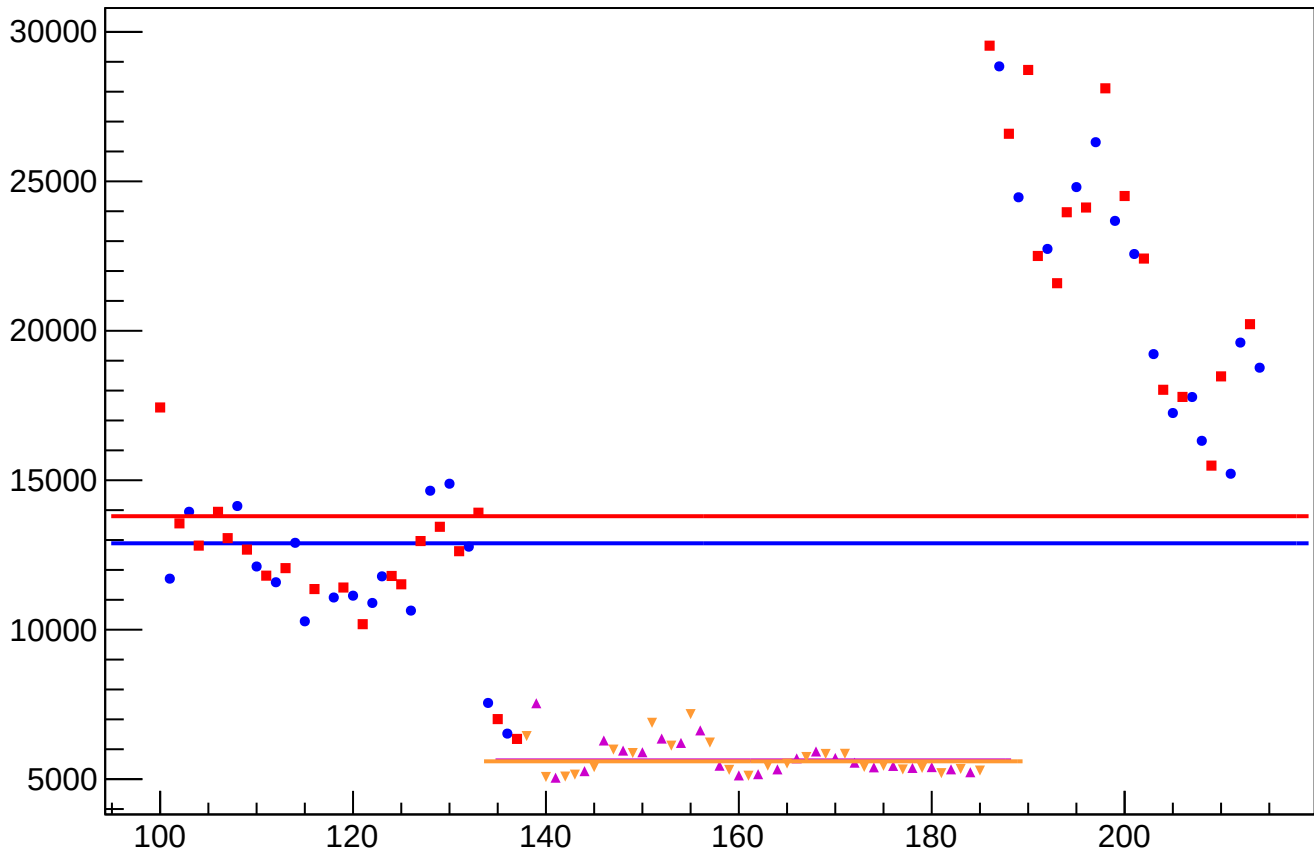
Left In: -0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

+ sign 6.906 ± 1.224 $\chi^2/\text{NDF}: 98.6/55$

All: 4.144 ± 0.880 $\chi^2/\text{NDF}: 170.5/112$

- sign 1.192 ± 1.266 $\chi^2/\text{NDF}: 61.3/56$

diff_bpm16X_rms vs Slug



Right In: 12890.561+/-2.426 χ^2/NDF : 4820016.5/30

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 13796.946+/-2.529 χ^2/NDF : 4653071.5/33

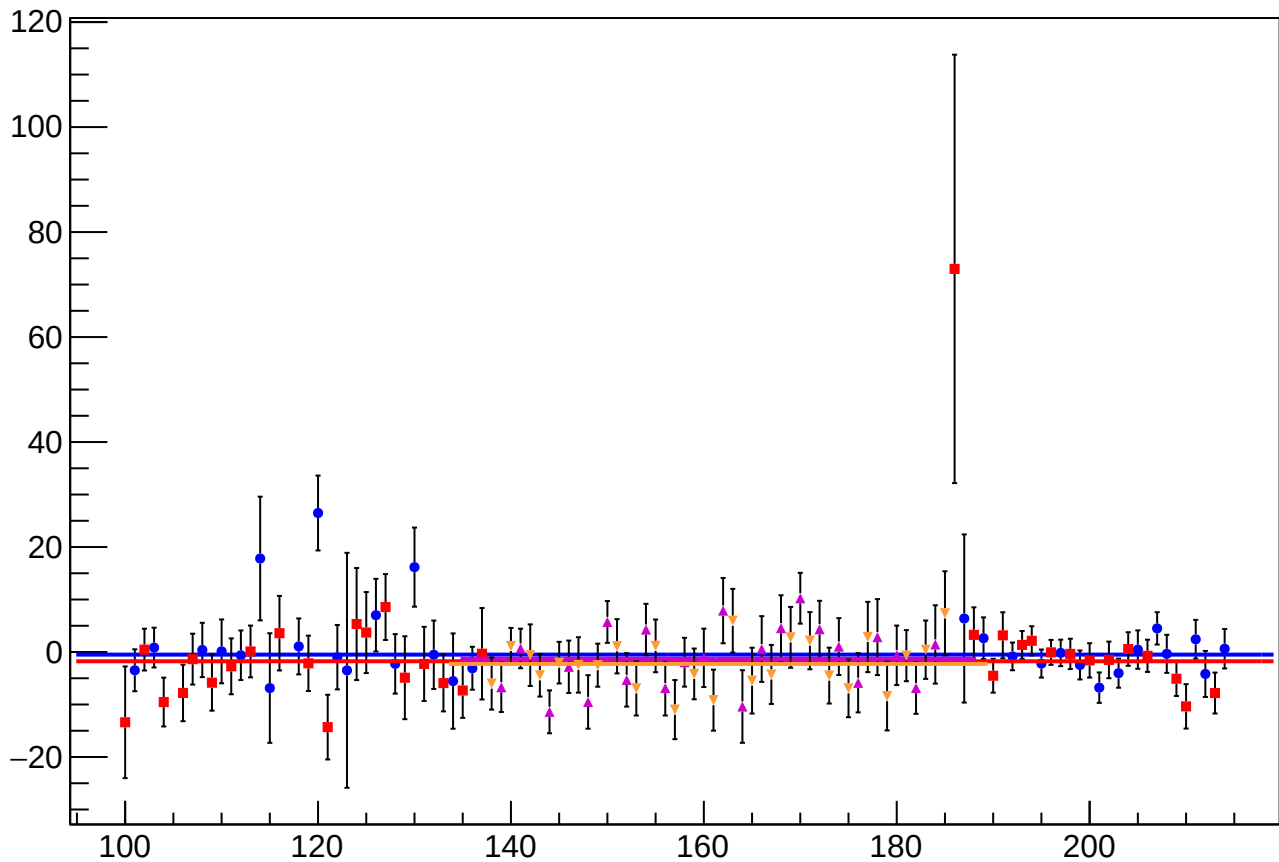
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6524.960+/-0.865 χ^2/NDF : 12995657.4/55

All: 6585.479+/-0.622 χ^2/NDF : 27067053.8/100

- sign 6650.181+/-0.895 χ^2/NDF : 14061279.1/56

diff_bpm16Y_mean vs Slug



Right In: -0.496 ± 0.736 χ^2/NDF : 37.0/30

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -1.764 ± 0.724 χ^2/NDF : 35.2/33

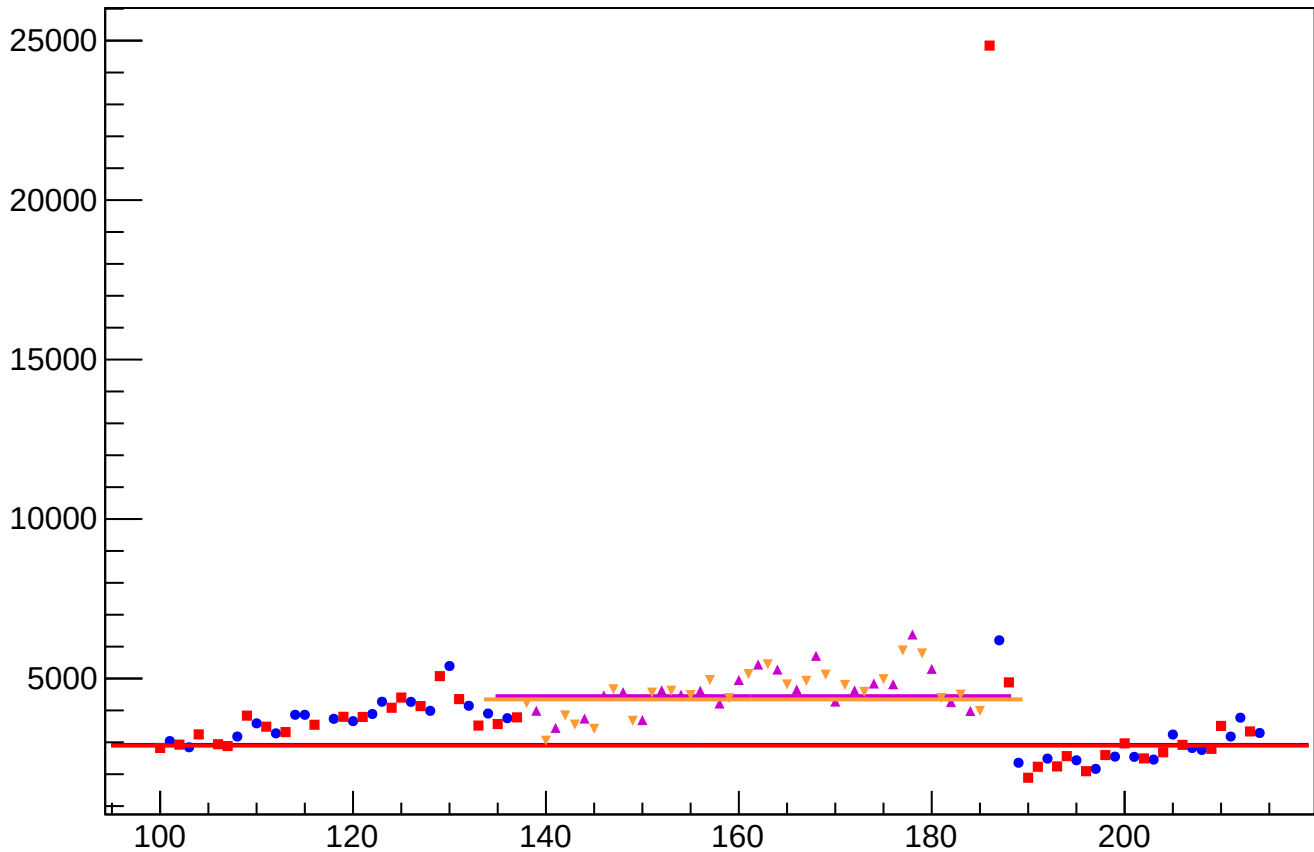
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.095 ± 0.598 χ^2/NDF : 54.3/55

All: -1.357 ± 0.424 χ^2/NDF : 120.8/112

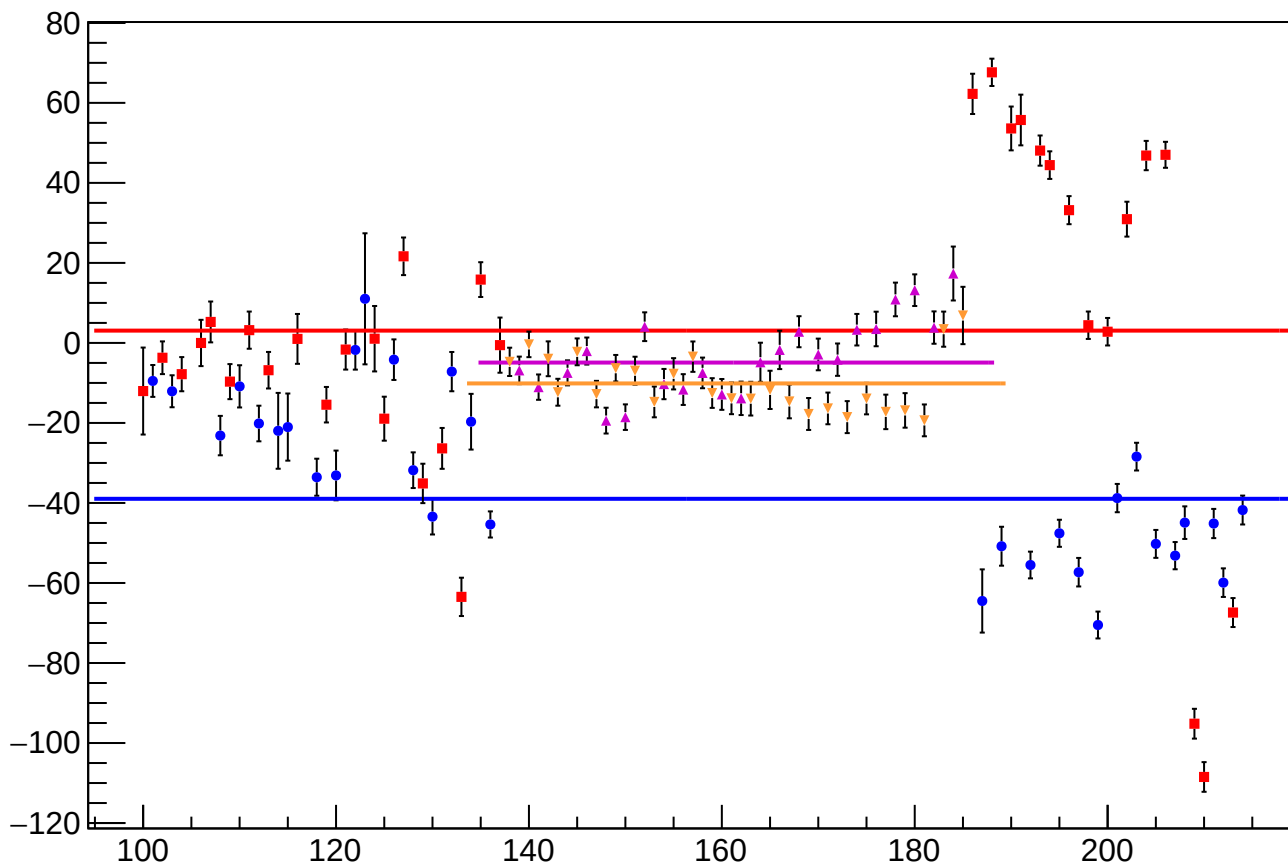
- sign -1.621 ± 0.601 χ^2/NDF : 66.1/56

diff_bpm16Y_rms vs Slug



Right In: 2917.856+/-0.520	χ^2/NDF : 1411475.9/30	+ sign 3400.363+/-0.423	χ^2/NDF : 4958087.9/55
Left Out: 4345.381+/-0.728	χ^2/NDF : 1000636.1/24	All: 3389.776+/-0.300	χ^2/NDF : 10851371.6/1
Right Out: 2896.594+/-0.512	χ^2/NDF : 2338418.2/33	- sign 3379.101+/-0.425	χ^2/NDF : 5892026.9/56
Left In: 4446.181+/-0.762	χ^2/NDF : 702797.6/22		

diff_bpm0l01X_mean vs Slug



Right In: -38.962 ± 0.763 χ^2/NDF : 576.2/30

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: 3.076 ± 0.750 χ^2/NDF : 3726.1/33

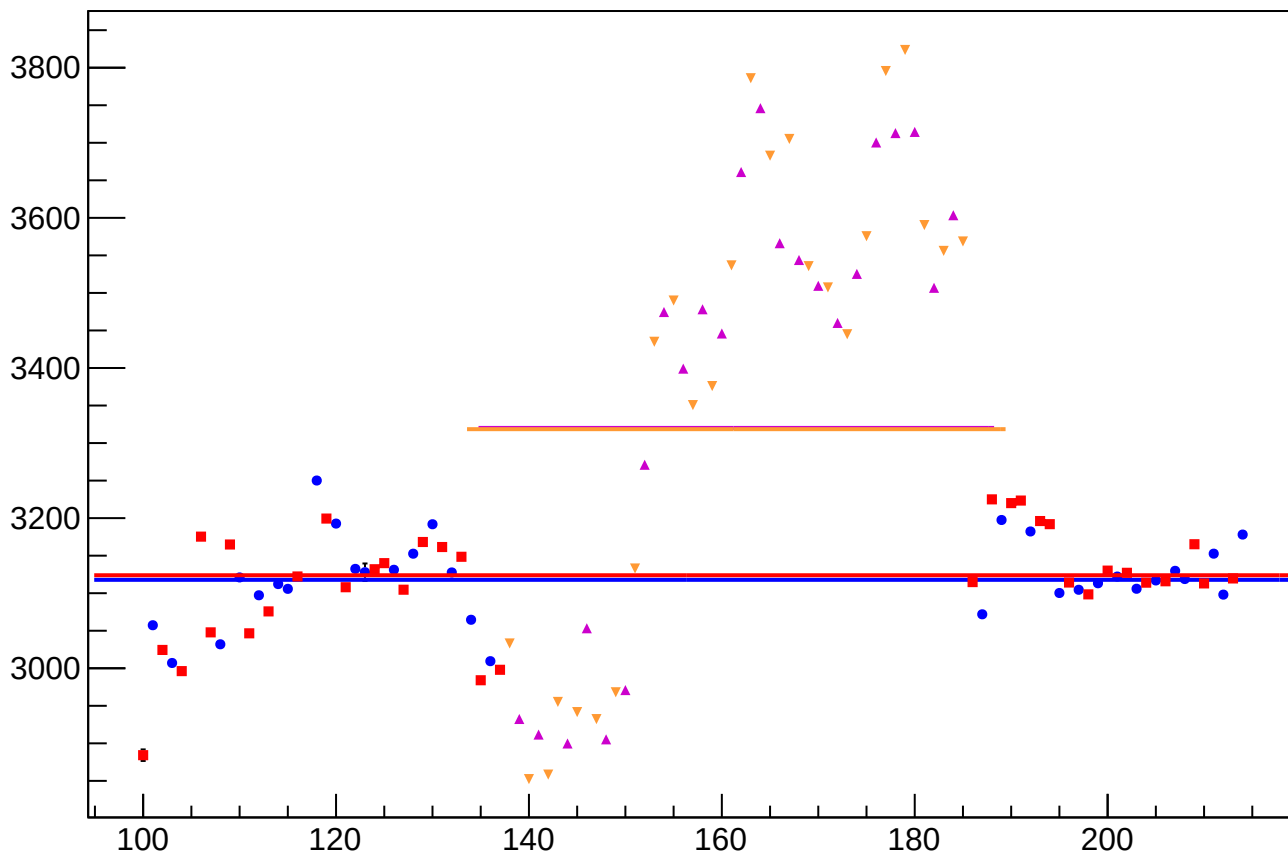
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -24.770 ± 0.544 χ^2/NDF : 1346.4/55

All: -12.774 ± 0.385 χ^2/NDF : 6230.3/112

- sign -0.676 ± 0.546 χ^2/NDF : 3907.3/56

diff_bpm0l01X_rms vs Slug



Right In: 3117.811 $\pm$ 0.540 χ^2 /NDF: 9895.0/30

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3123.909 $\pm$ 0.531 χ^2 /NDF: 14021.5/33

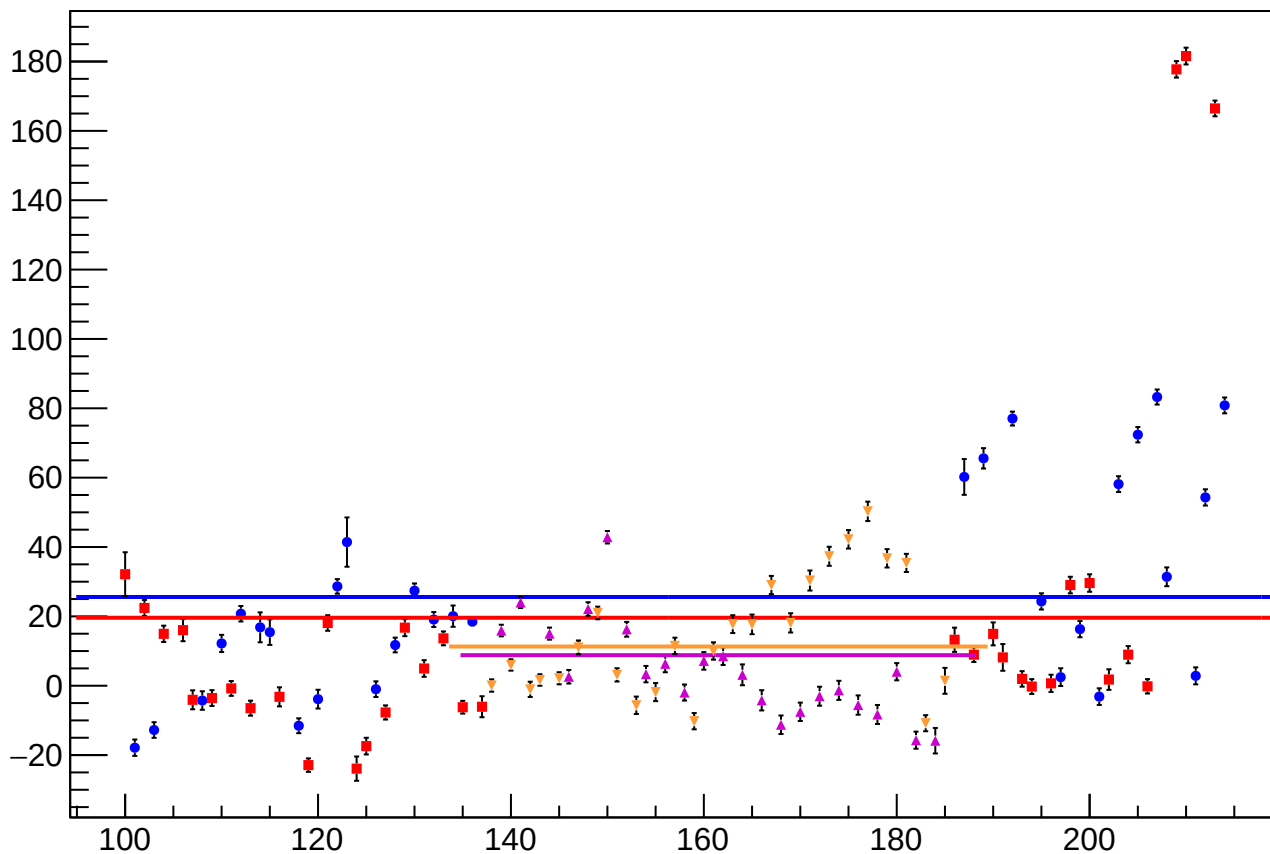
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3216.585 $\pm$ 0.385 χ^2 /NDF: 415621.2/55

All: 3216.344 $\pm$ 0.273 χ^2 /NDF: 781566.5/112

- sign 3216.101 $\pm$ 0.386 χ^2 /NDF: 365944.5/56

diff_bpm0l01Y_mean vs Slug



Right In: 25.585 ± 0.425 χ^2/NDF : 4752.4/30

Left Out: 11.305 ± 0.454 χ^2/NDF : 1144.3/24

Right Out: 19.602 ± 0.417 χ^2/NDF : 15366.7/33

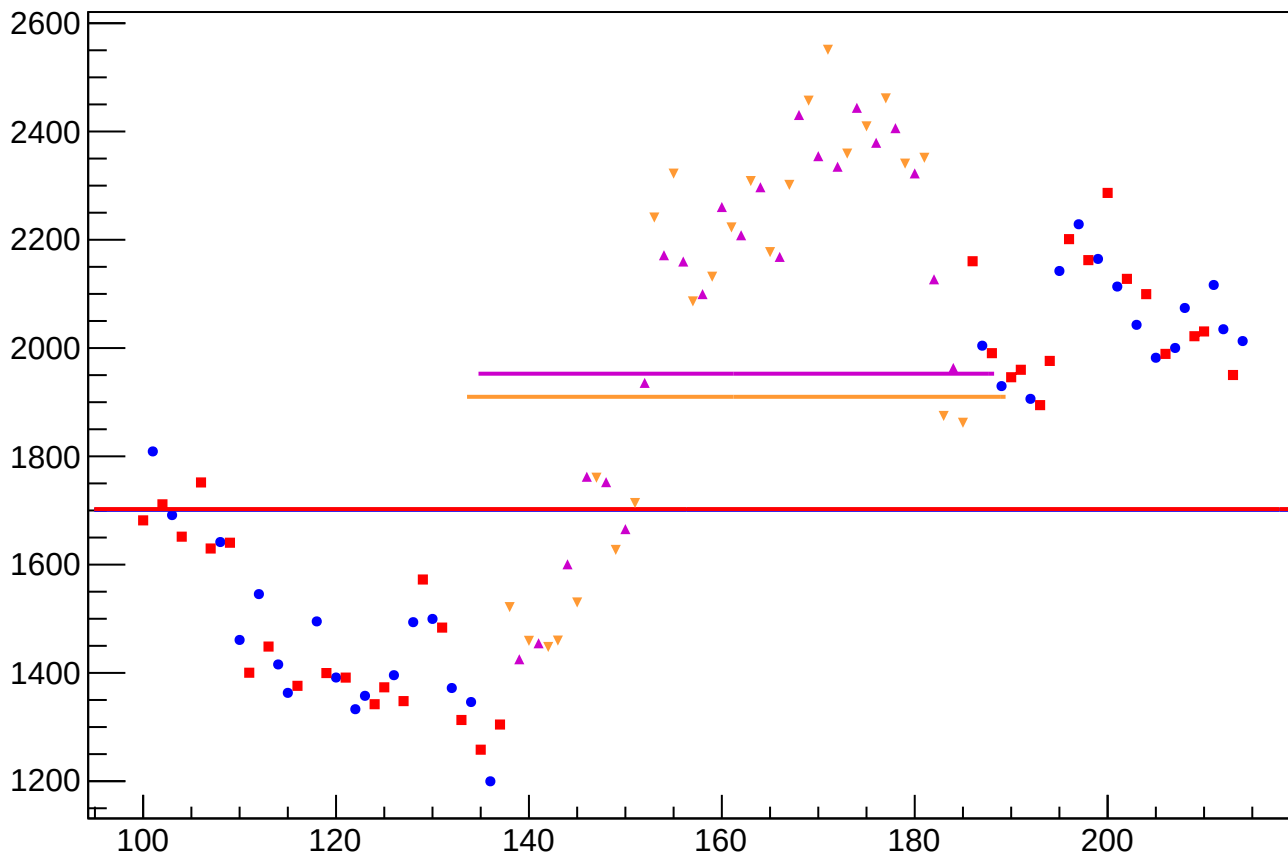
Left In: 8.815 ± 0.475 χ^2/NDF : 942.2/22

+ sign 18.911 ± 0.310 χ^2/NDF : 6424.0/55

All: 16.933 ± 0.220 χ^2/NDF : 23106.2/112

- sign 14.915 ± 0.313 χ^2/NDF : 16600.0/56

diff_bpm0l01Y_rms vs Slug



Right In: 1701.183 $\pm$ 0.301 χ^2 /NDF: 1232276.5/30

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1702.580 $\pm$ 0.295 χ^2 /NDF: 1183022.7/33

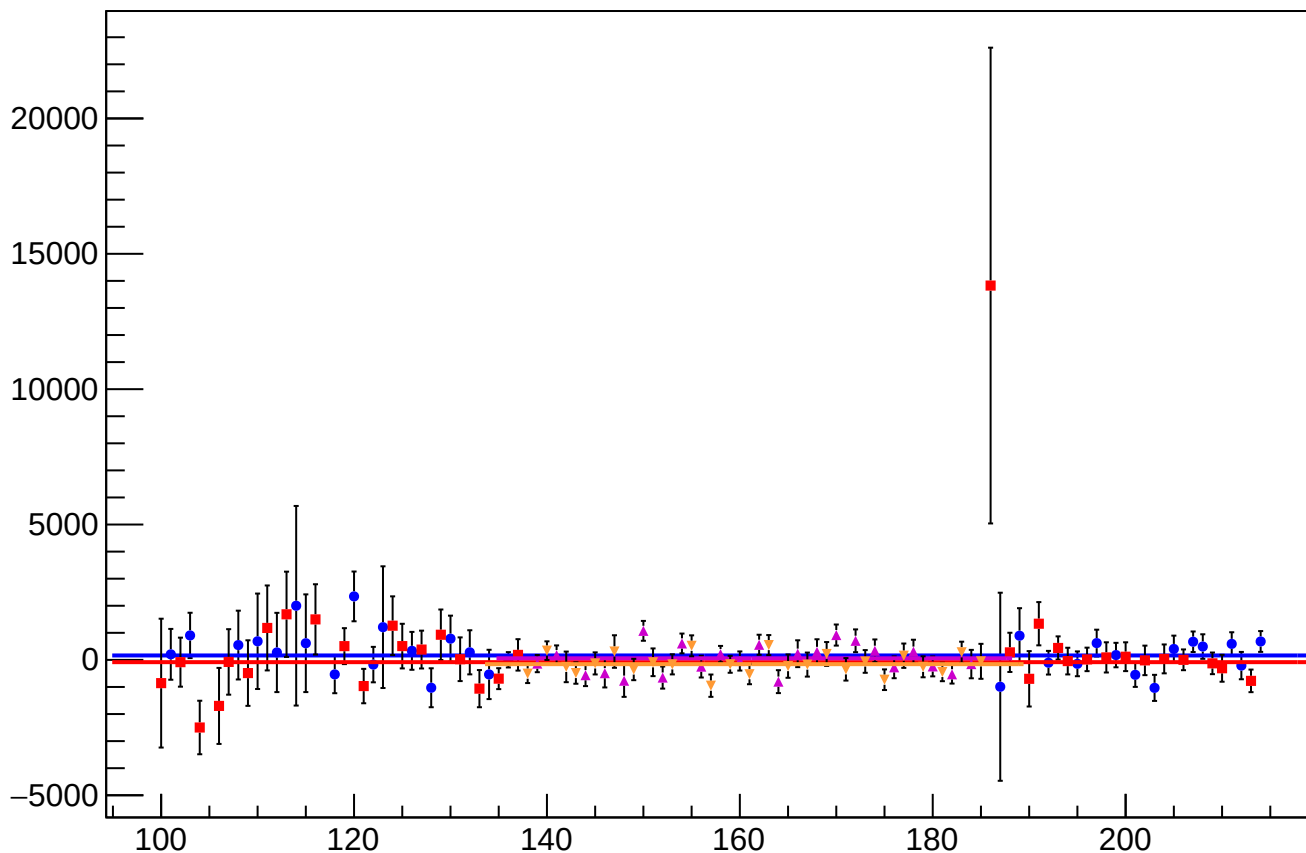
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1798.752 $\pm$ 0.219 χ^2 /NDF: 2857191.9/55

All: 1804.931 $\pm$ 0.156 χ^2 /NDF: 5420096.7/11

- sign 1811.234 $\pm$ 0.222 χ^2 /NDF: 2561302.3/56

asym_sam1_mean vs Slug



Right In: 163.950 ± 104.224 χ^2/NDF : 29.6/30

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -83.515 ± 108.401 χ^2/NDF : 33.2/33

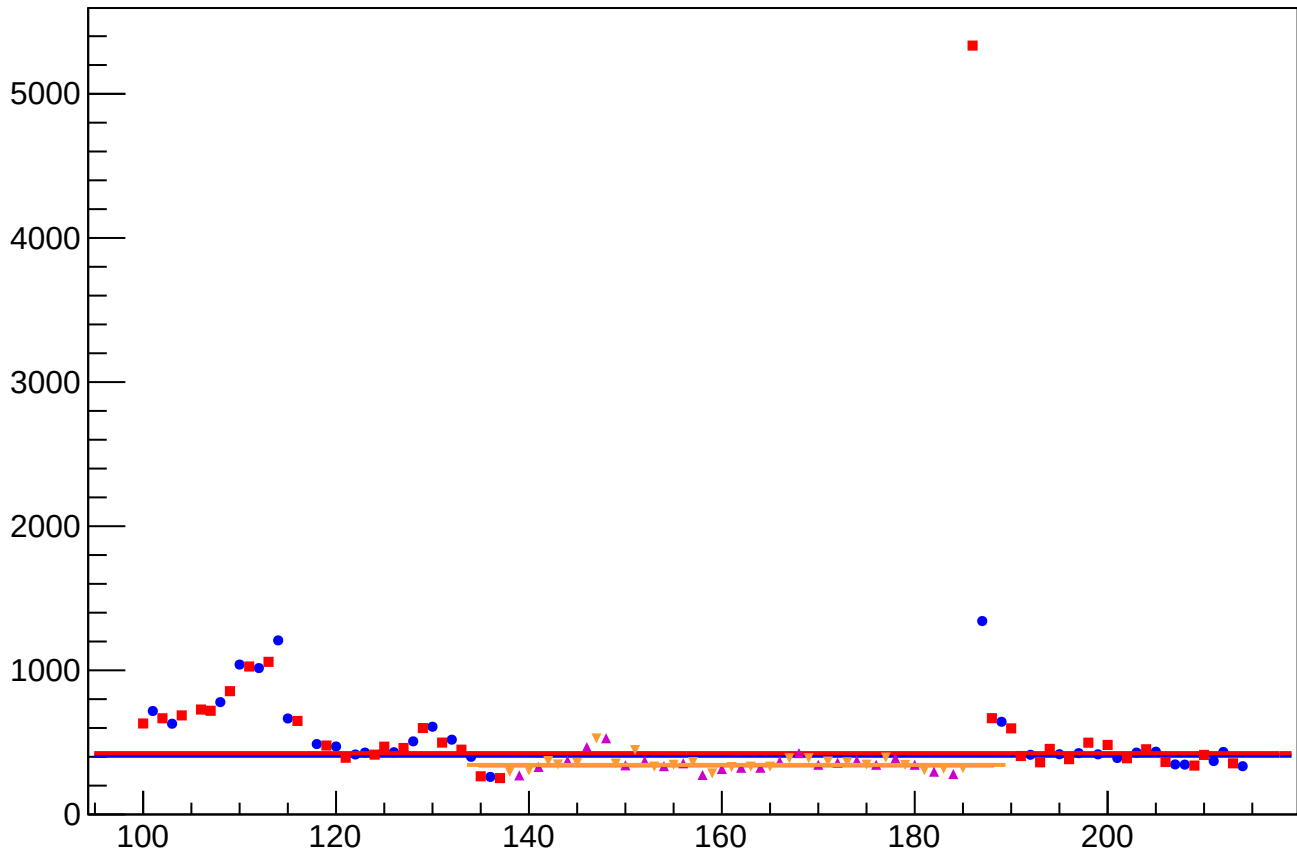
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -36.675 ± 63.856 χ^2/NDF : 57.6/55

All: -15.642 ± 45.788 χ^2/NDF : 130.7/112

- sign 6.619 ± 65.692 χ^2/NDF : 72.9/56

asym_sam1_rms vs Slug



Right In: 407.179 $\pm$ 0.074 χ^2 /NDF: 2483085.3/30

Left Out: 343.807 $\pm$ 0.057 χ^2 /NDF: 539431.0/24

Right Out: 425.756 $\pm$ 0.077 χ^2 /NDF: 3329424.1/33

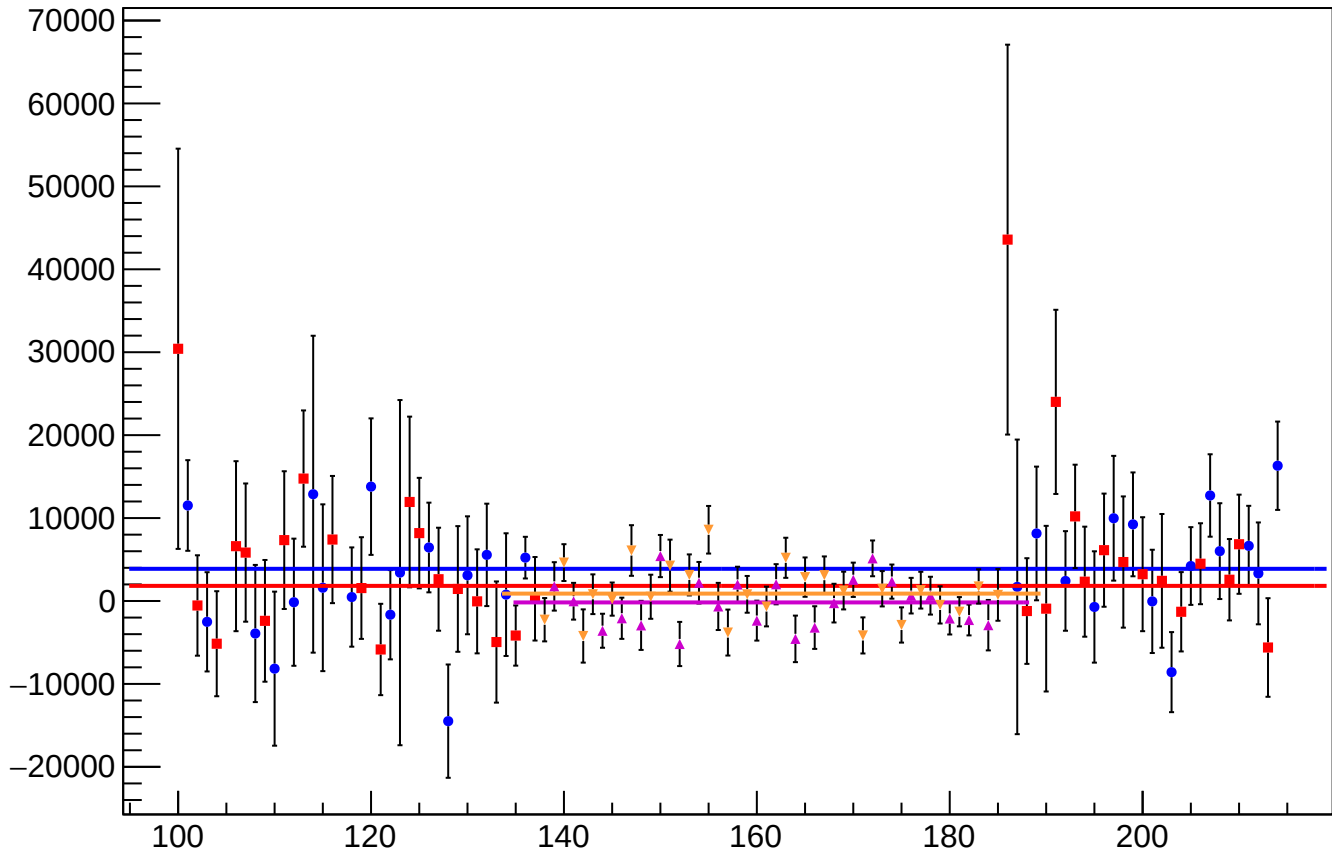
Left In: 340.876 $\pm$ 0.058 χ^2 /NDF: 724672.0/22

+ sign 367.595 $\pm$ 0.045 χ^2 /NDF: 3484381.9/55

All: 369.759 $\pm$ 0.032 χ^2 /NDF: 8319113.0/112

- sign 372.049 $\pm$ 0.046 χ^2 /NDF: 4830004.6/56

asym_sam2_mean vs Slug



Right In: 3880.826 $\pm$ 1068.390 χ^2 /NDF: 35.4/30

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF:38.0/24

Right Out: 1823.345 $\pm$ 1126.801 χ^2 /NDF: 27.5/33

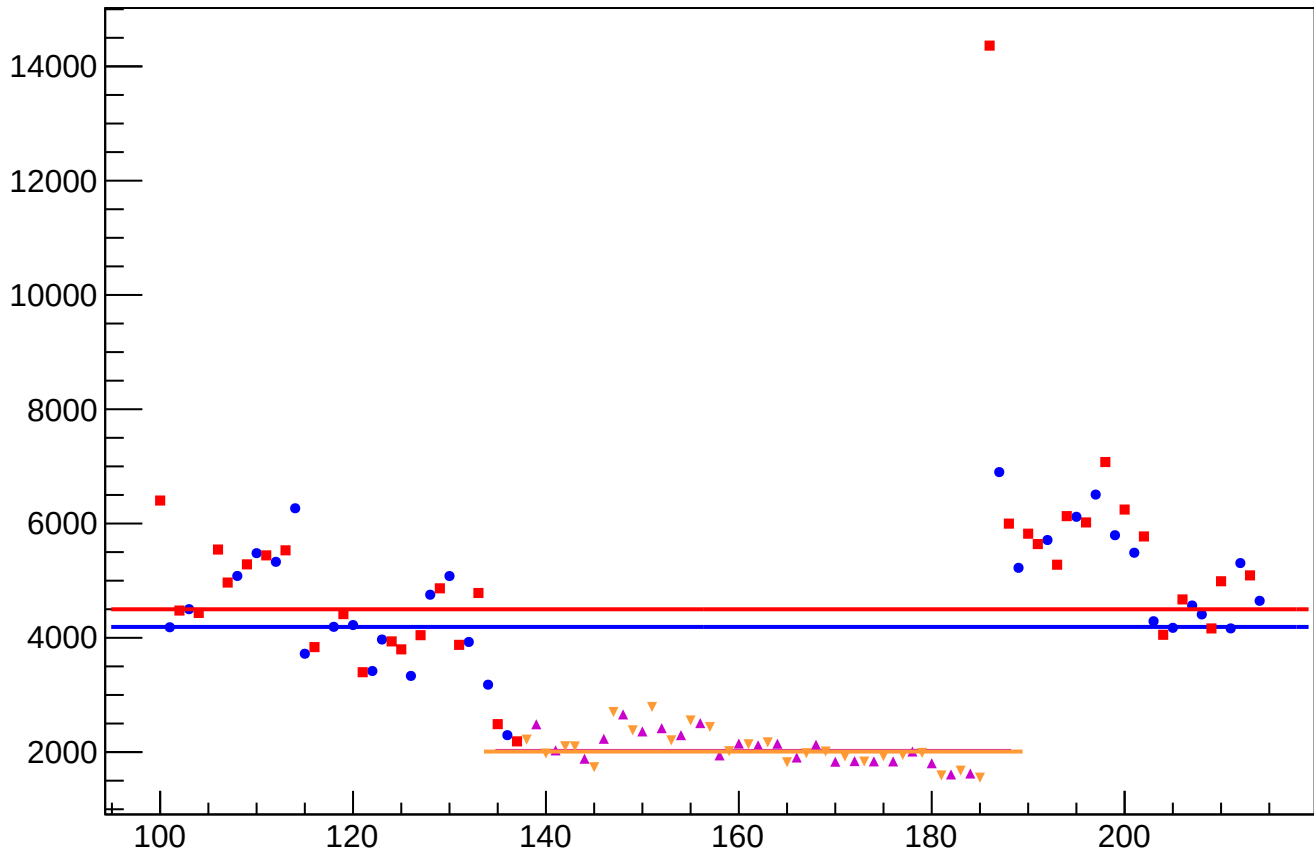
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF:33.2/22

+ sign 1380.926 $\pm$ 432.709 χ^2 /NDF: 79.9/55

All: 783.201 $\pm$ 311.190 χ^2 /NDF: 147.2/112

- sign 142.887 $\pm$ 447.860 χ^2 /NDF: 63.3/56

asym_sam2_rms vs Slug



Right In: 4190.532 $\pm$ 0.755 χ^2 /NDF: 2330286.1/30

Left Out: 2009.631 $\pm$ 0.335 χ^2 /NDF: 709977.6/24

Right Out: 4499.391 $\pm$ 0.797 χ^2 /NDF: 2539836.0/33

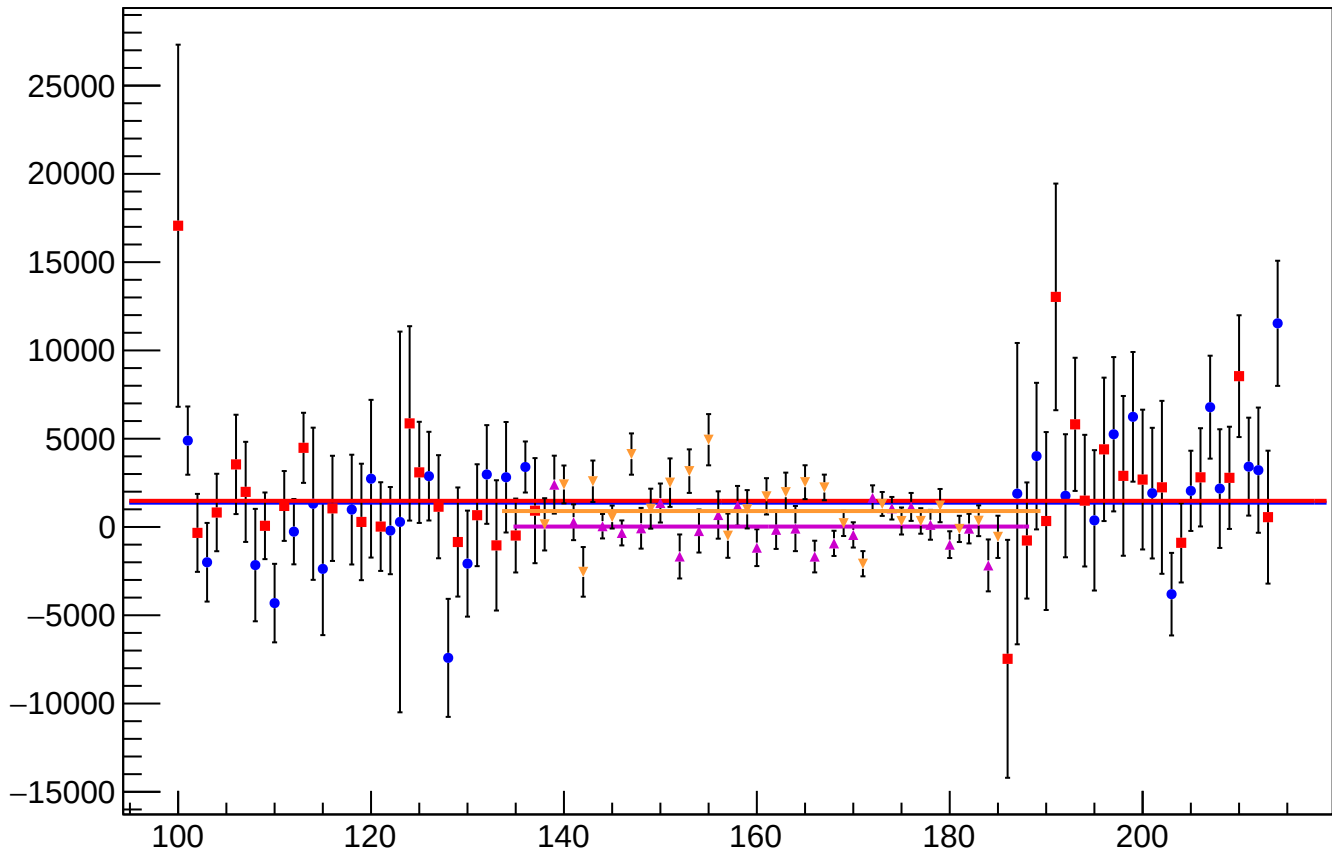
Left In: 2020.365 $\pm$ 0.345 χ^2 /NDF: 573483.0/22

+ sign 2367.372 $\pm$ 0.306 χ^2 /NDF: 10007030.2/55

All: 2388.914 $\pm$ 0.220 χ^2 /NDF: 21281833.5/100

- sign 2411.991 $\pm$ 0.317 χ^2 /NDF: 11264536.4/56

asym_sam3_mean vs Slug



Right In: 1377.039 $\pm$ 508.368 χ^2 /NDF: 47.3/30

Left Out: 902.091 $\pm$ 185.850 χ^2 /NDF: 63.5/24

Right Out: 1481.680 $\pm$ 508.026 χ^2 /NDF: 23.4/33

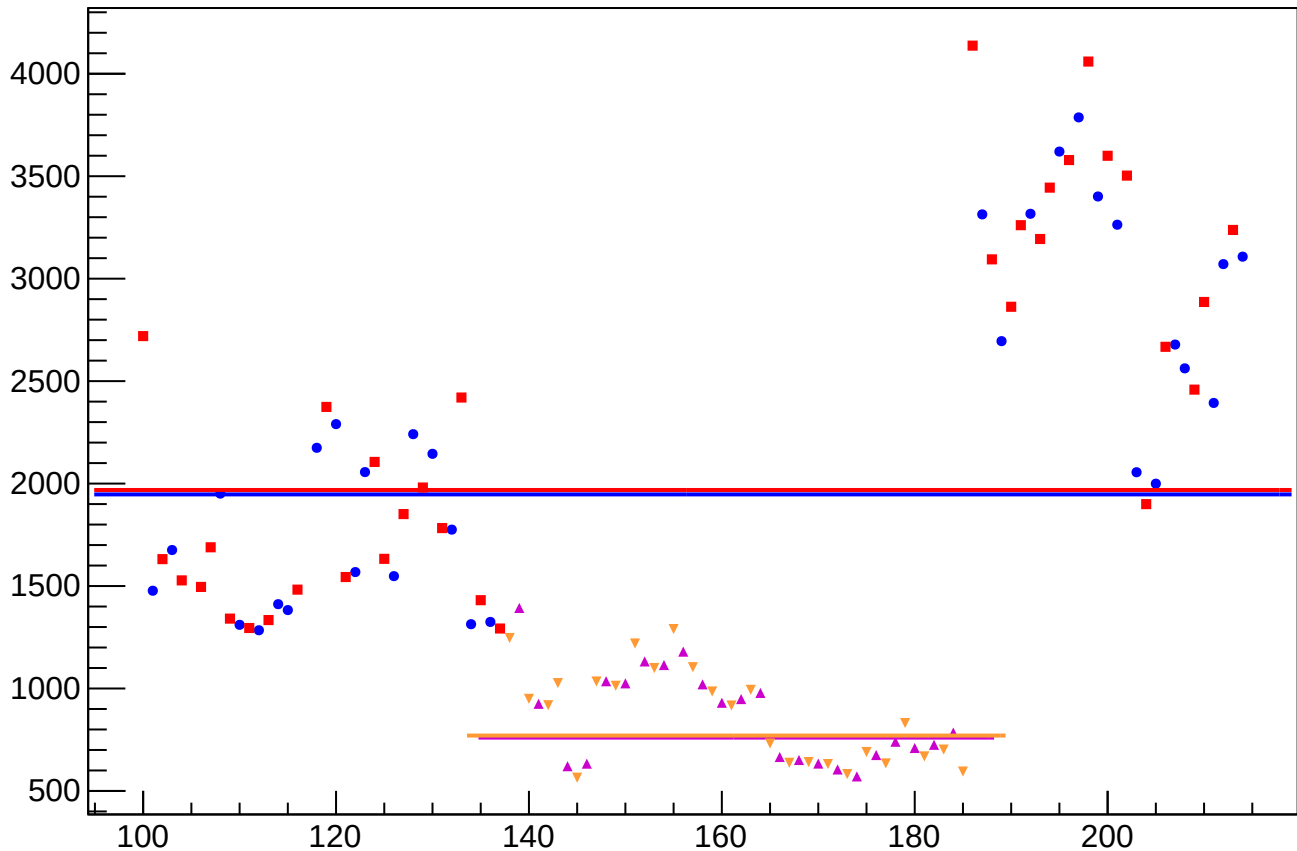
Left In: 23.529 $\pm$ 188.137 χ^2 /NDF: 28.2/22

+ sign 958.085 $\pm$ 174.551 χ^2 /NDF: 111.7/55

All: 582.791 $\pm$ 124.084 χ^2 /NDF: 179.8/112

- sign 199.388 $\pm$ 176.427 χ^2 /NDF: 58.8/56

asym_sam3_rms vs Slug



Right In: 1947.218 $\pm$ 0.359 χ^2 /NDF: 3614554.8/30

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF:2287655.1/24

Right Out: 1968.810 $\pm$ 0.359 χ^2 /NDF: 4258721.5/33

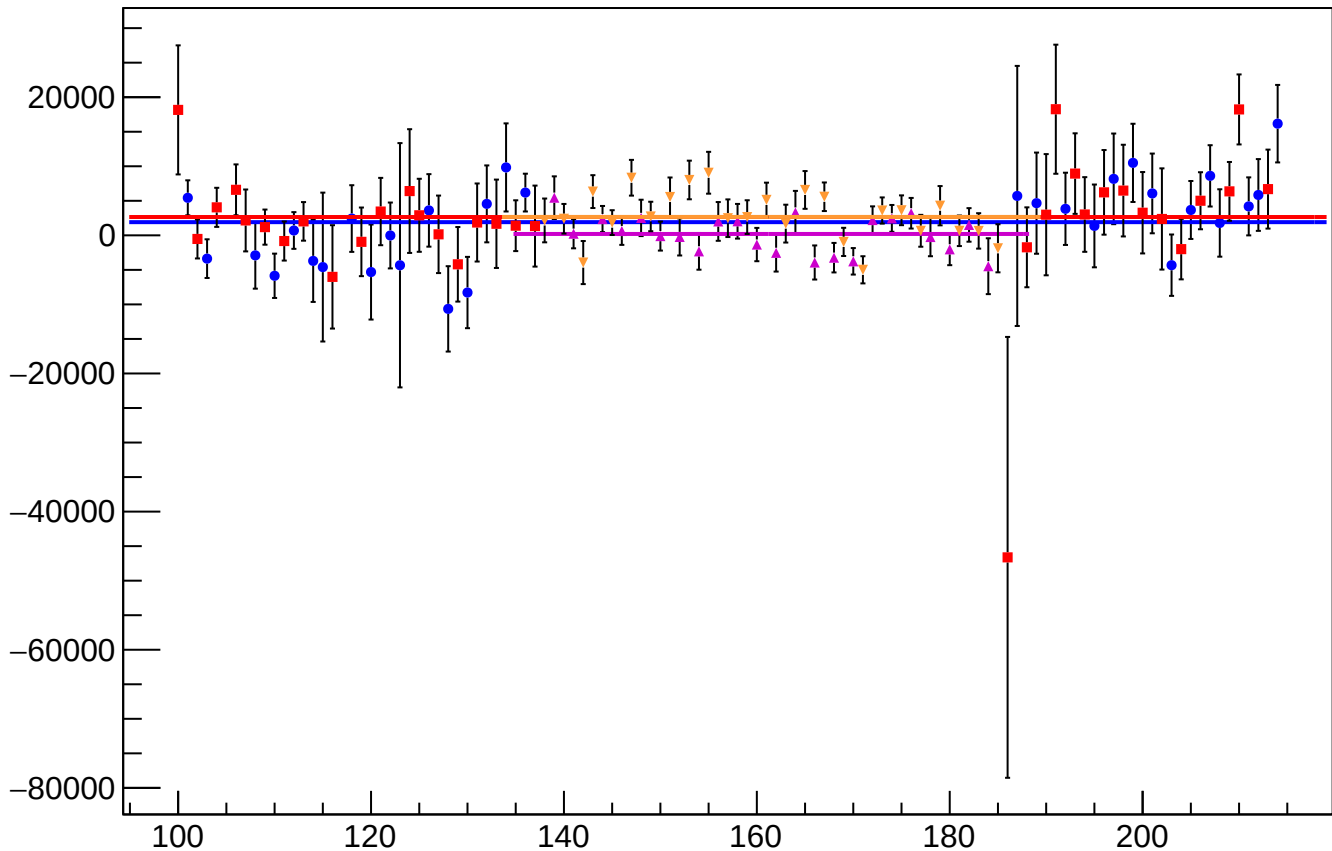
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF:1986749.8/22

+ sign 909.069 $\pm$ 0.123 χ^2 /NDF: 15357456.4/55

All: 907.598 $\pm$ 0.088 χ^2 /NDF: 31555117.2/1

- sign 906.096 $\pm$ 0.125 χ^2 /NDF: 16197373.8/56

asym_sam4_mean vs Slug



Right In: 1908.864 $\pm$ 816.501 χ^2 /NDF: 43.4/30

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF: 49.2/24

Right Out: 2652.399 $\pm$ 786.139 χ^2 /NDF: 31.2/33

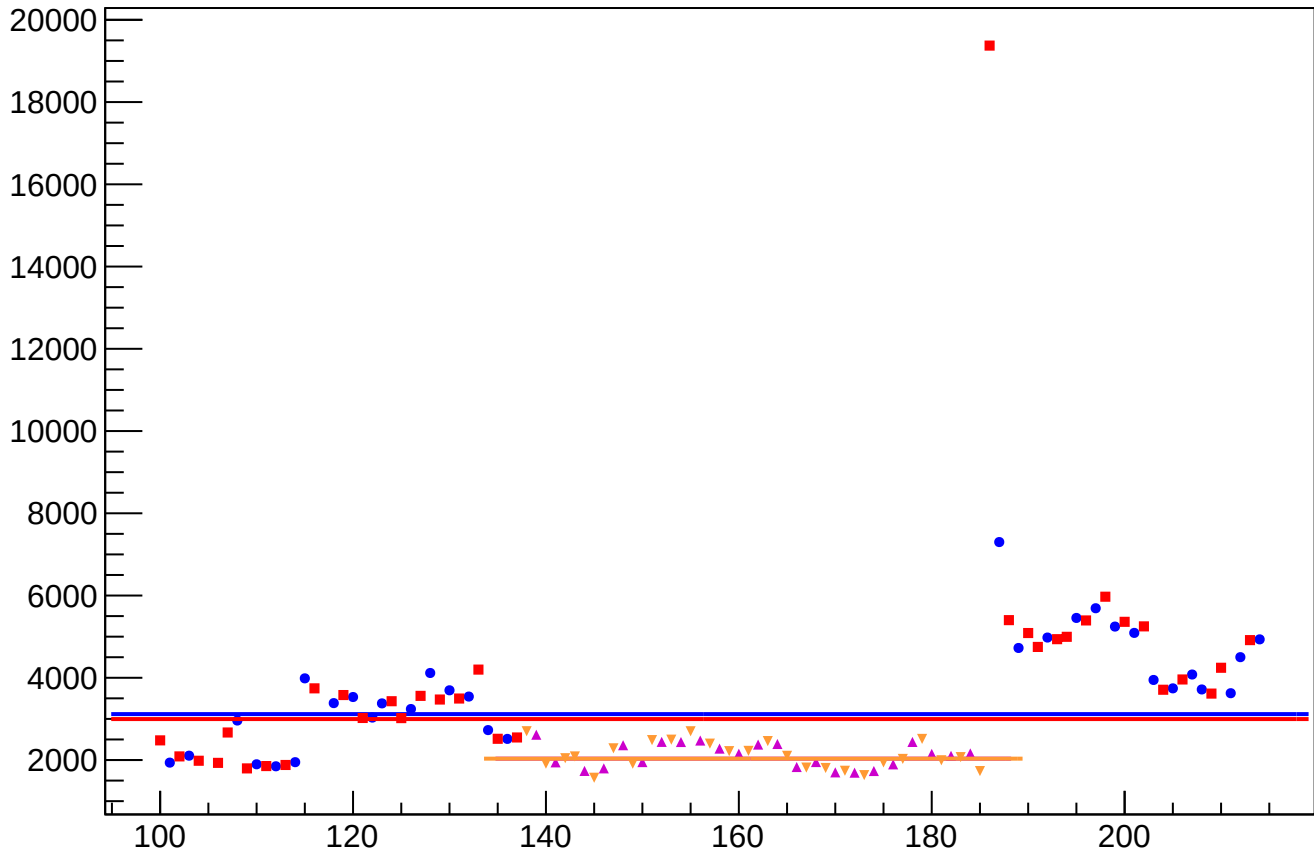
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2471.371 $\pm$ 413.648 χ^2 /NDF: 93.2/55

All: 1687.232 $\pm$ 293.709 χ^2 /NDF: 164.4/112

- sign 889.927 $\pm$ 417.107 χ^2 /NDF: 63.9/56

asym_sam4_rms vs Slug



Right In: 3116.702 $\pm$ 0.577 χ^2 /NDF: 3939769.6/30

Left Out: 2033.337 $\pm$ 0.339 χ^2 /NDF: 824062.2/24

Right Out: 2996.021 $\pm$ 0.556 χ^2 /NDF: 5282344.8/33

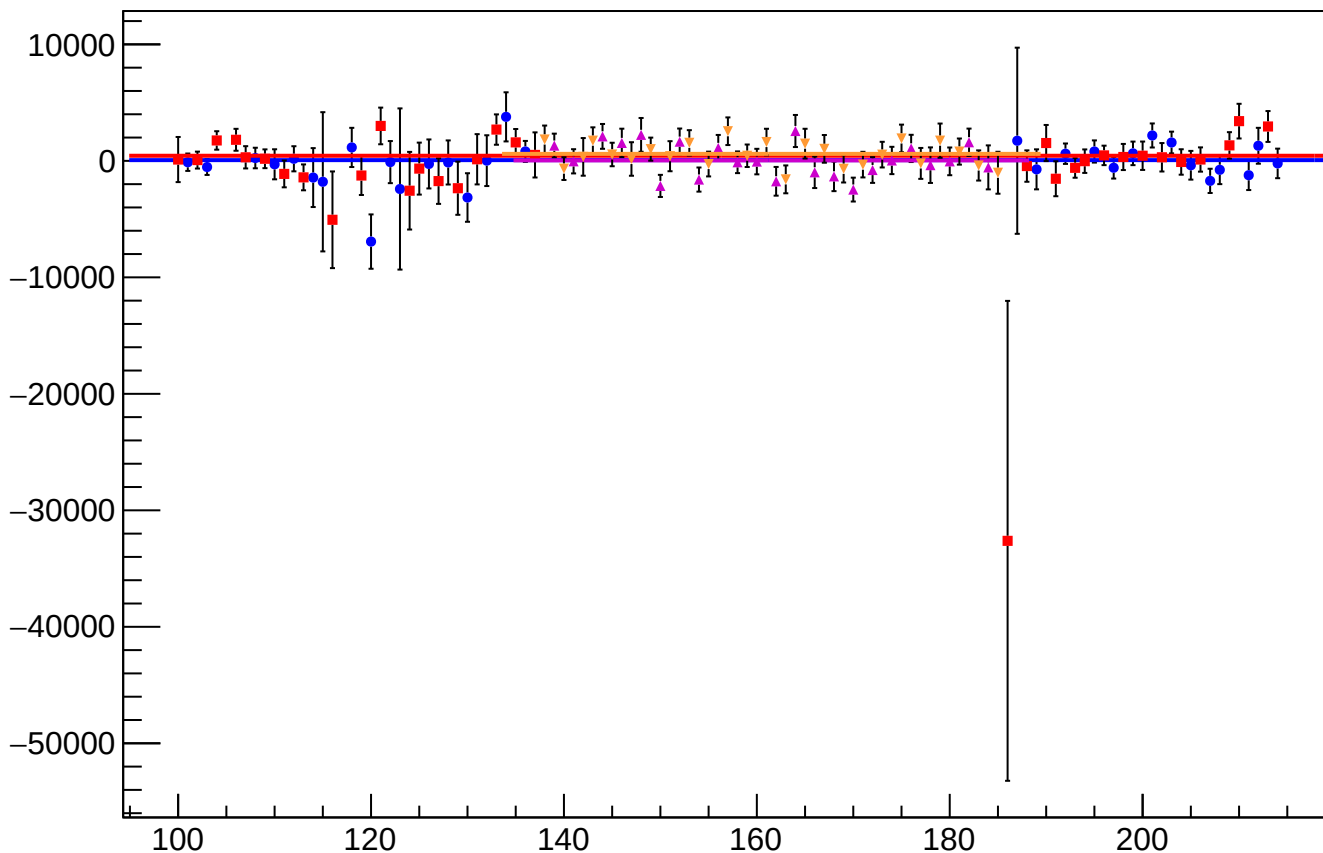
Left In: 2032.655 $\pm$ 0.348 χ^2 /NDF: 652763.7/22

+ sign 2311.387 $\pm$ 0.292 χ^2 /NDF: 7381148.7/55

All: 2307.652 $\pm$ 0.208 χ^2 /NDF: 15474501.1/100

- sign 2303.854 $\pm$ 0.295 χ^2 /NDF: 8093023.5/56

asym_sam5_mean vs Slug



Right In: 62.272 ± 217.952 χ^2/NDF : 31.3/30

Left Out: 600.005 ± 234.968 χ^2/NDF : 18.5/24

Right Out: 438.573 ± 206.803 χ^2/NDF : 38.6/33

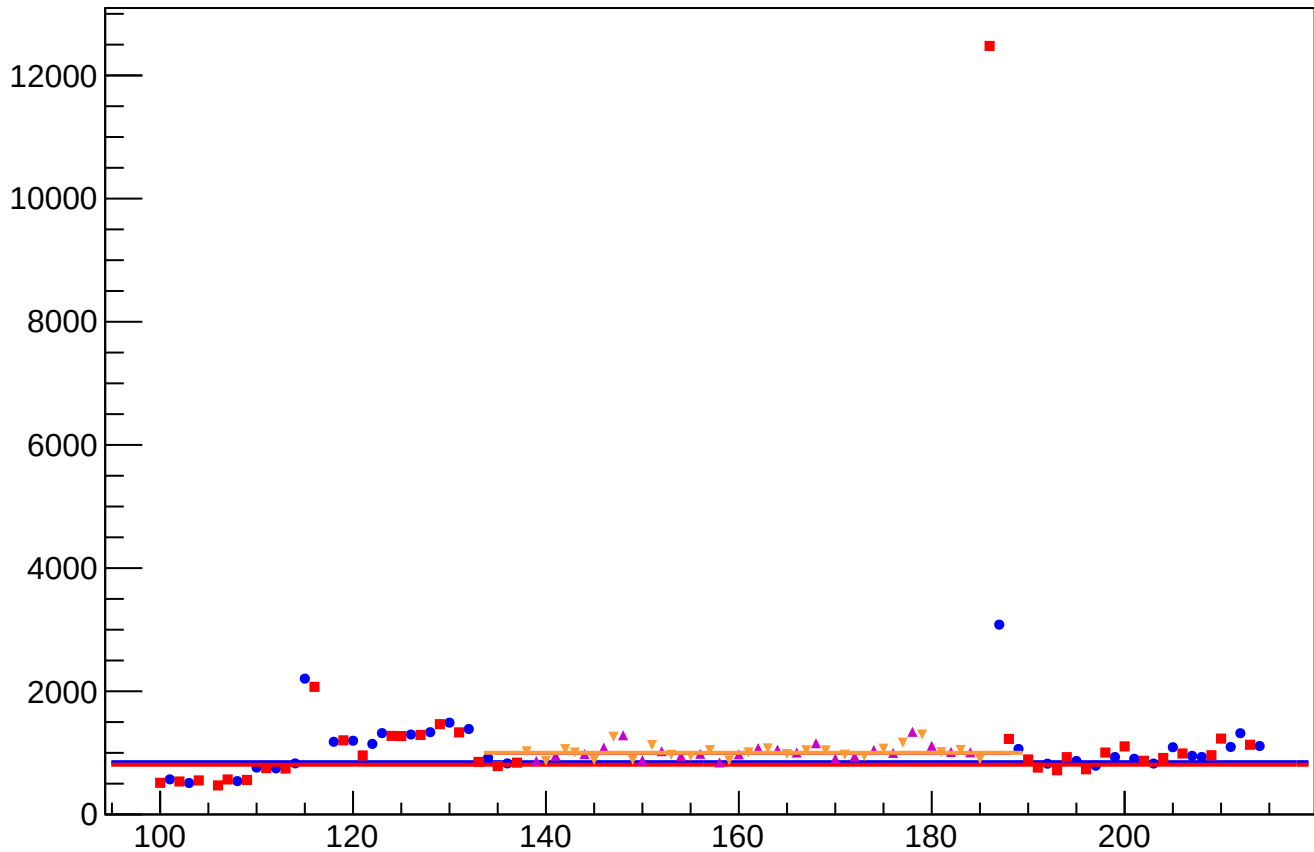
Left In: 41.559 ± 240.807 χ^2/NDF : 36.4/22

+ sign 310.965 ± 159.792 χ^2/NDF : 52.6/55

All: 290.134 ± 111.950 χ^2/NDF : 129.2/112

- sign 270.054 ± 156.889 χ^2/NDF : 76.5/56

asym_sam5_rms vs Slug



Right In: 848.938 $\pm$ 0.154 χ^2 /NDF: 2543363.4/30

Left Out: 1001.472 $\pm$ 0.166 χ^2 /NDF: 370299.3/24

Right Out: 807.817 $\pm$ 0.146 χ^2 /NDF: 3464697.2/33

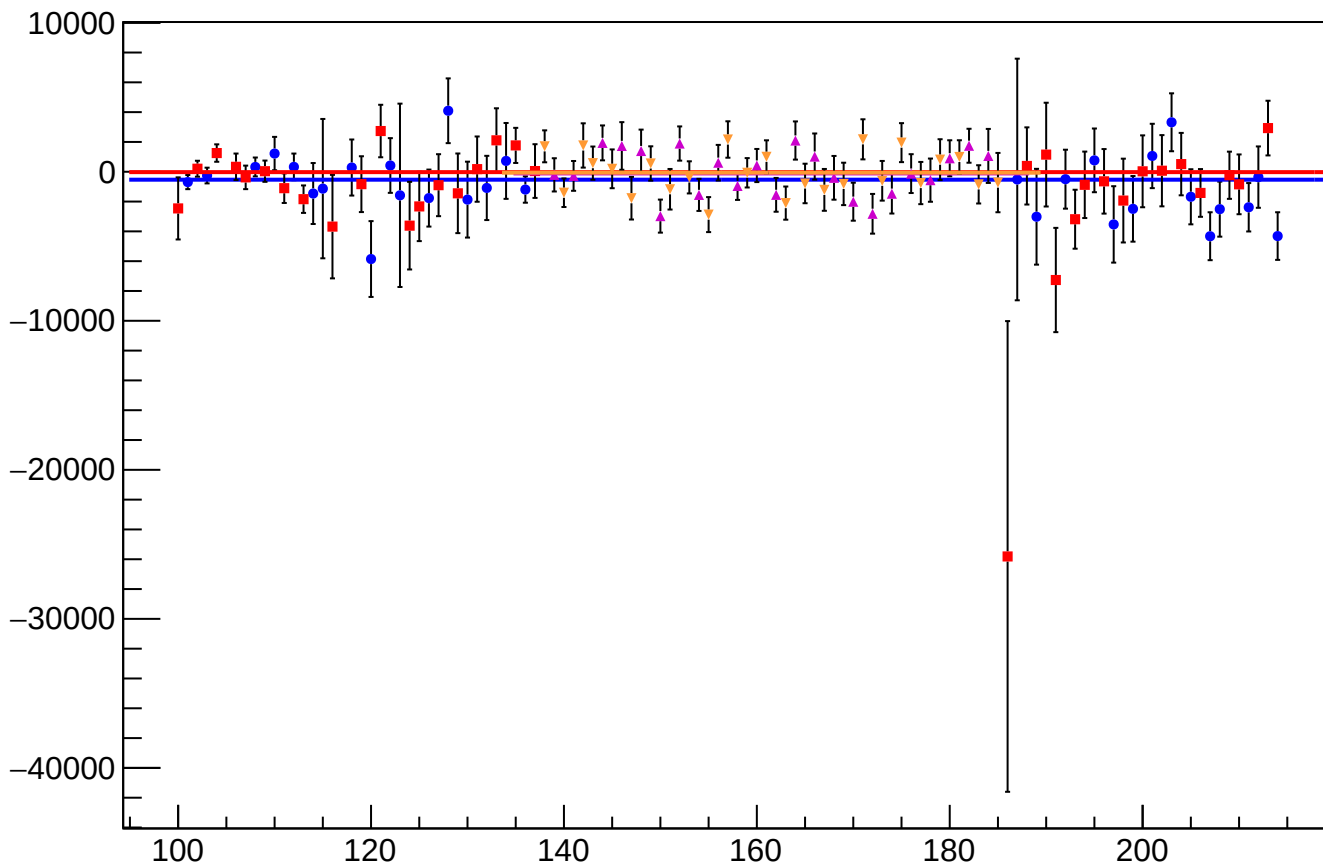
Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

+ sign 919.482 $\pm$ 0.113 χ^2 /NDF: 3366702.6/55

All: 903.740 $\pm$ 0.079 χ^2 /NDF: 7992519.8/112

- sign 888.565 $\pm$ 0.111 χ^2 /NDF: 4587694.6/56

asym_sam6_mean vs Slug



Right In: -532.753+/-227.523 χ^2/NDF : 38.4/30

Left Out: -59.827+/-246.503 χ^2/NDF : 31.0/24

Right Out: -25.066+/-226.340 χ^2/NDF : 35.7/33

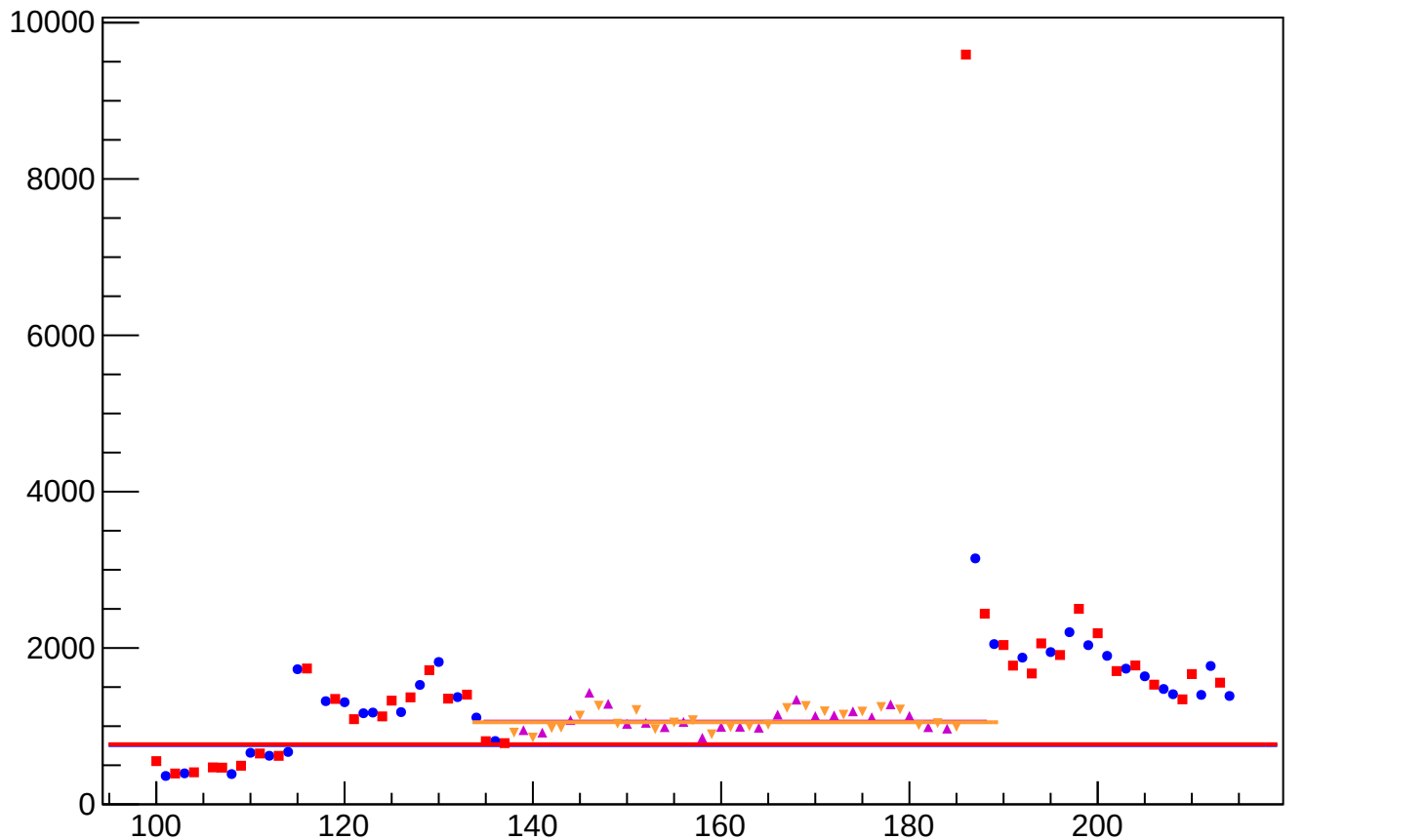
Left In: -112.398+/-255.409 χ^2/NDF : 34.9/22

+ sign -315.196+/-167.191 χ^2/NDF : 71.4/55

All: -190.988+/-118.994 χ^2/NDF : 143.1/112

- sign -63.481+/-169.396 χ^2/NDF : 70.6/56

asym_sam6_rms vs Slug



Right In: 759.045+/-0.161 χ^2/NDF : 10779173.3/30

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 768.984+/-0.160 χ^2/NDF : 11176465.3/33

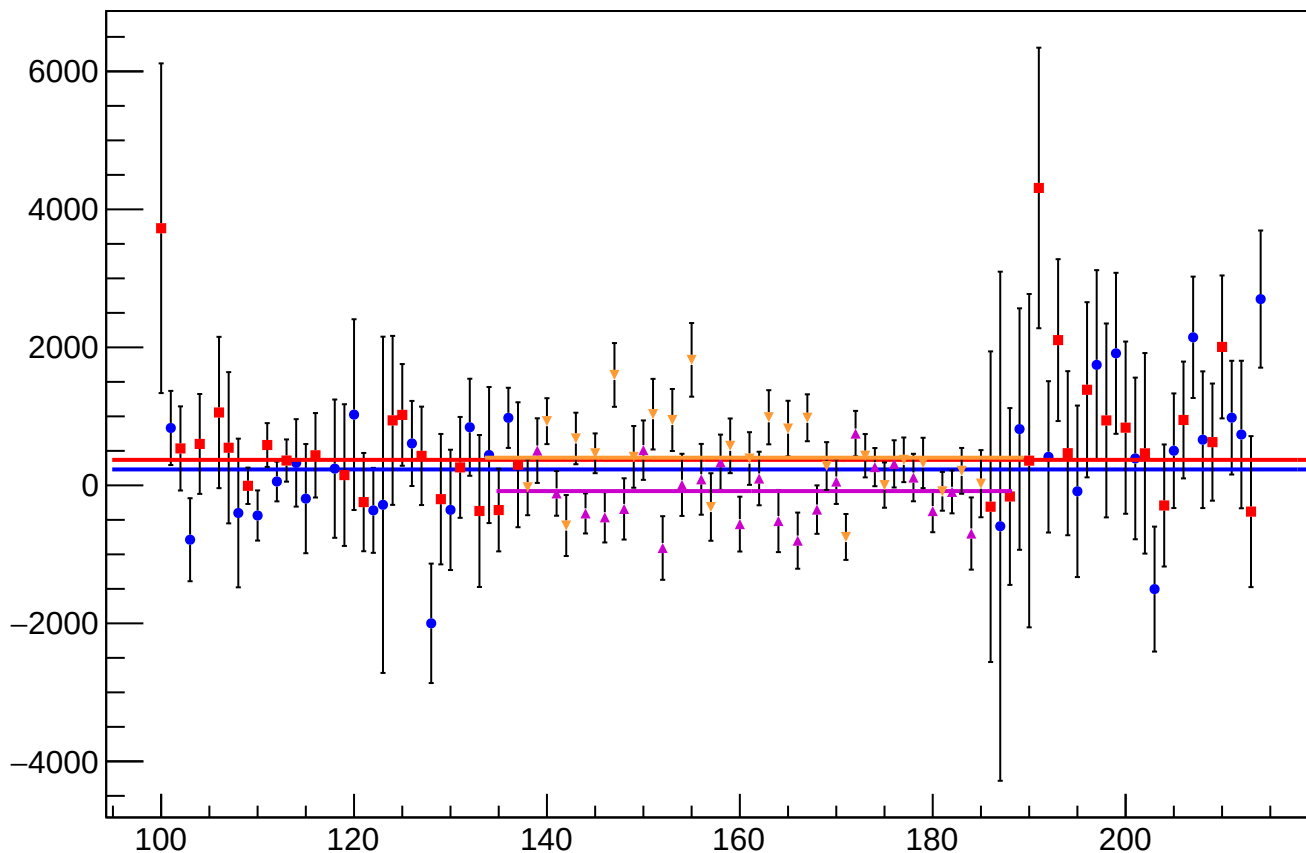
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 893.190+/-0.118 χ^2/NDF : 12773605.3/55

All: 894.654+/-0.084 χ^2/NDF : 25914365.2/111

- sign 896.158+/-0.120 χ^2/NDF : 13140448.8/56

asym_sam7_mean vs Slug



Right In: 230.836 $\pm$ 128.109 χ^2 /NDF: 40.5/30

Left Out: 400.988 $\pm$ 74.546 χ^2 /NDF: 52.1/24

Right Out: 369.747 $\pm$ 119.466 χ^2 /NDF: 20.4/33

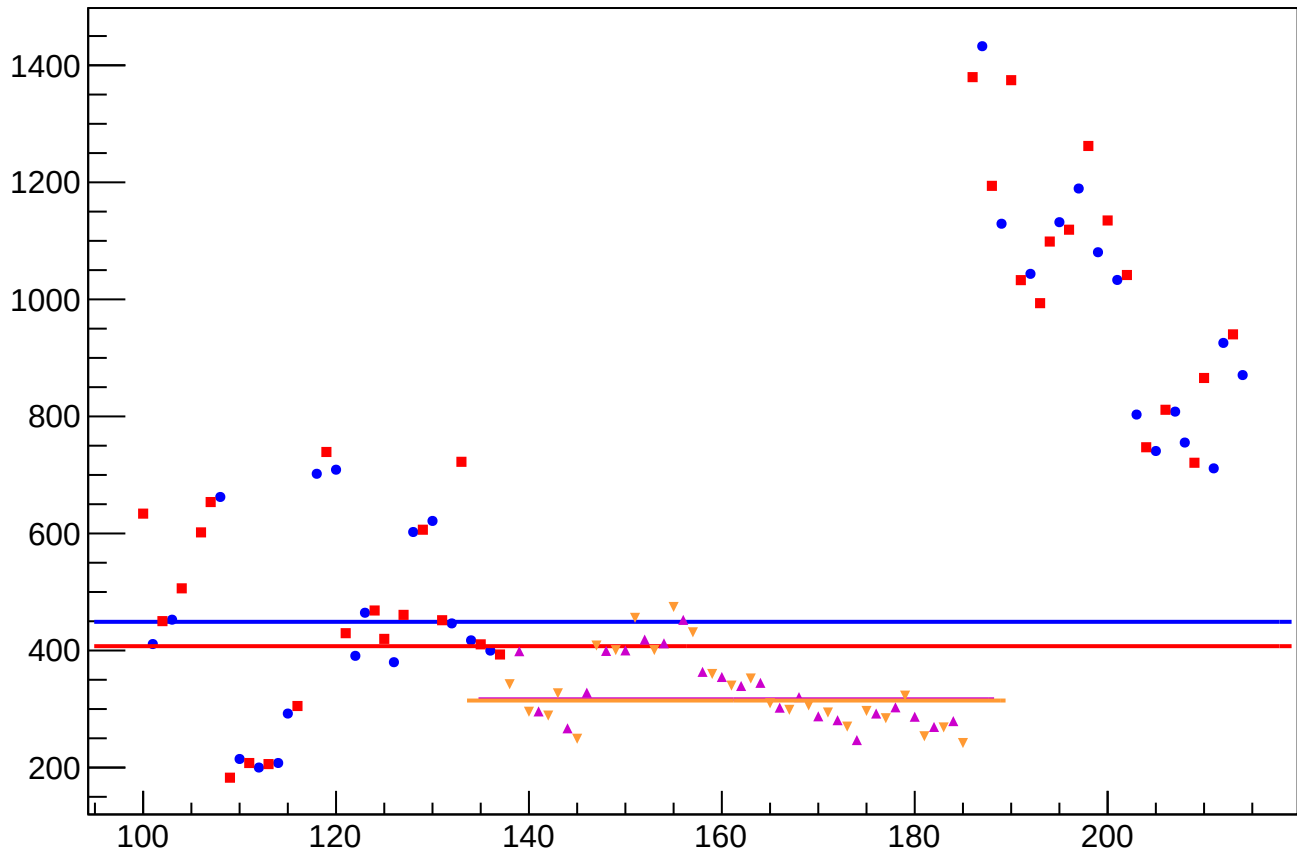
Left In: -82.890 $\pm$ 76.904 χ^2 /NDF: 29.0/22

+ sign 357.947 $\pm$ 64.432 χ^2 /NDF: 93.9/55

All: 204.391 $\pm$ 45.642 χ^2 /NDF: 164.9/112

- sign 49.725 $\pm$ 64.664 χ^2 /NDF: 59.6/56

asym_sam7_rms vs Slug



Right In: 449.031+/-0.091 χ^2/NDF : 8532656.6/30

Left Out: 314.538+/-0.053 χ^2/NDF : 1112445.6/24

Right Out: 407.424+/-0.084 χ^2/NDF : 11017110.3/33

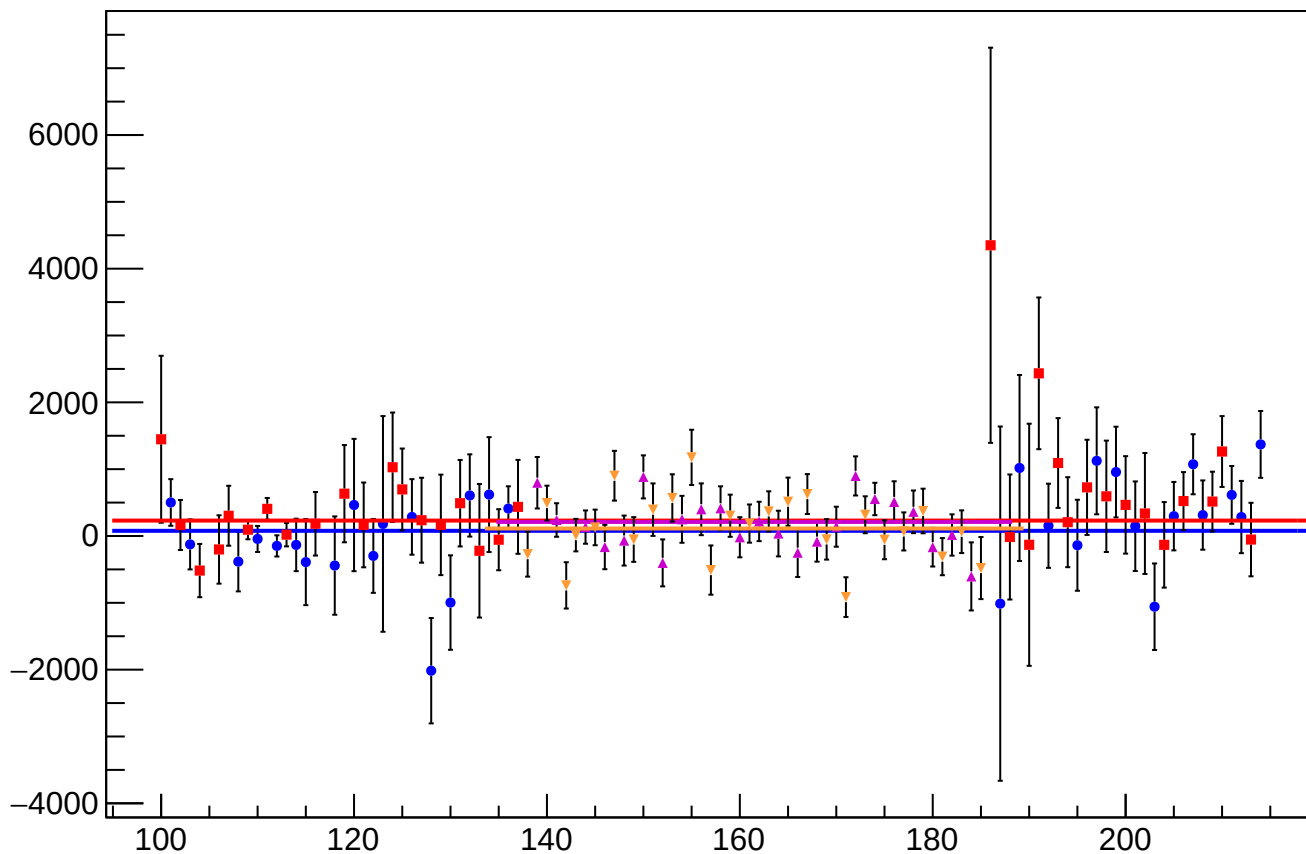
Left In: 316.647+/-0.054 χ^2/NDF : 920874.0/22

+ sign 348.559+/-0.046 χ^2/NDF : 11291810.7/55

All: 345.910+/-0.032 χ^2/NDF : 24053029.9/11

- sign 343.243+/-0.046 χ^2/NDF : 12754437.5/56

asym_sam8_mean vs Slug



Right In: 77.487+/-78.924 χ^2/NDF : 39.7/30

Left Out: 112.242+/-62.643 χ^2/NDF : 49.1/24

Right Out: 230.837+/-70.408 χ^2/NDF : 25.0/33

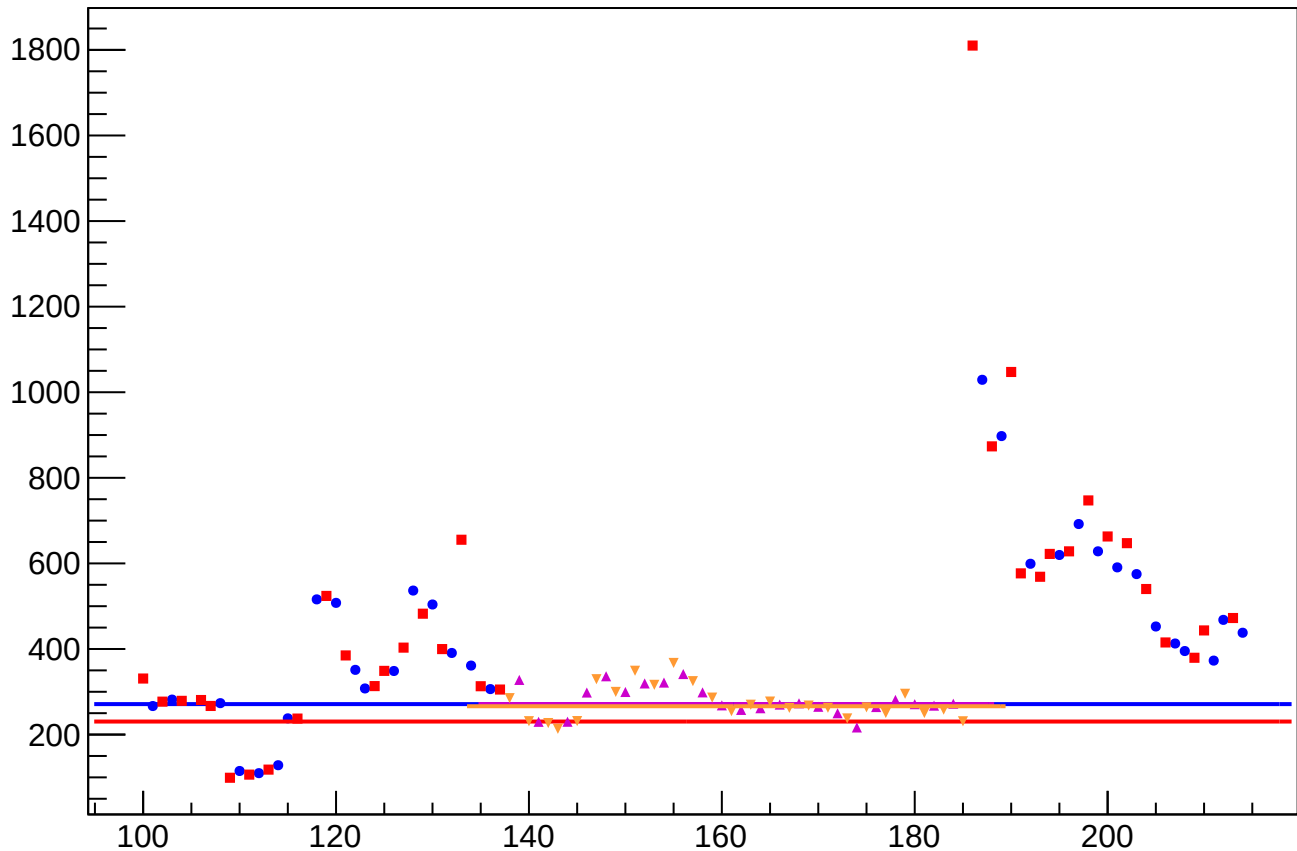
Left In: 210.453+/-65.510 χ^2/NDF : 29.2/22

+ sign 98.809+/-49.066 χ^2/NDF : 89.0/55

All: 160.740+/-34.298 χ^2/NDF : 146.3/112

- sign 219.912+/-47.961 χ^2/NDF : 54.2/56

asym_sam8_rms vs Slug



Right In: 271.201 $\pm$ 0.056 χ^2 /NDF: 9405612.2/30

Left Out: 266.207 $\pm$ 0.044 χ^2 /NDF: 649629.9/24

Right Out: 230.453 $\pm$ 0.050 χ^2 /NDF: 12833622.4/33

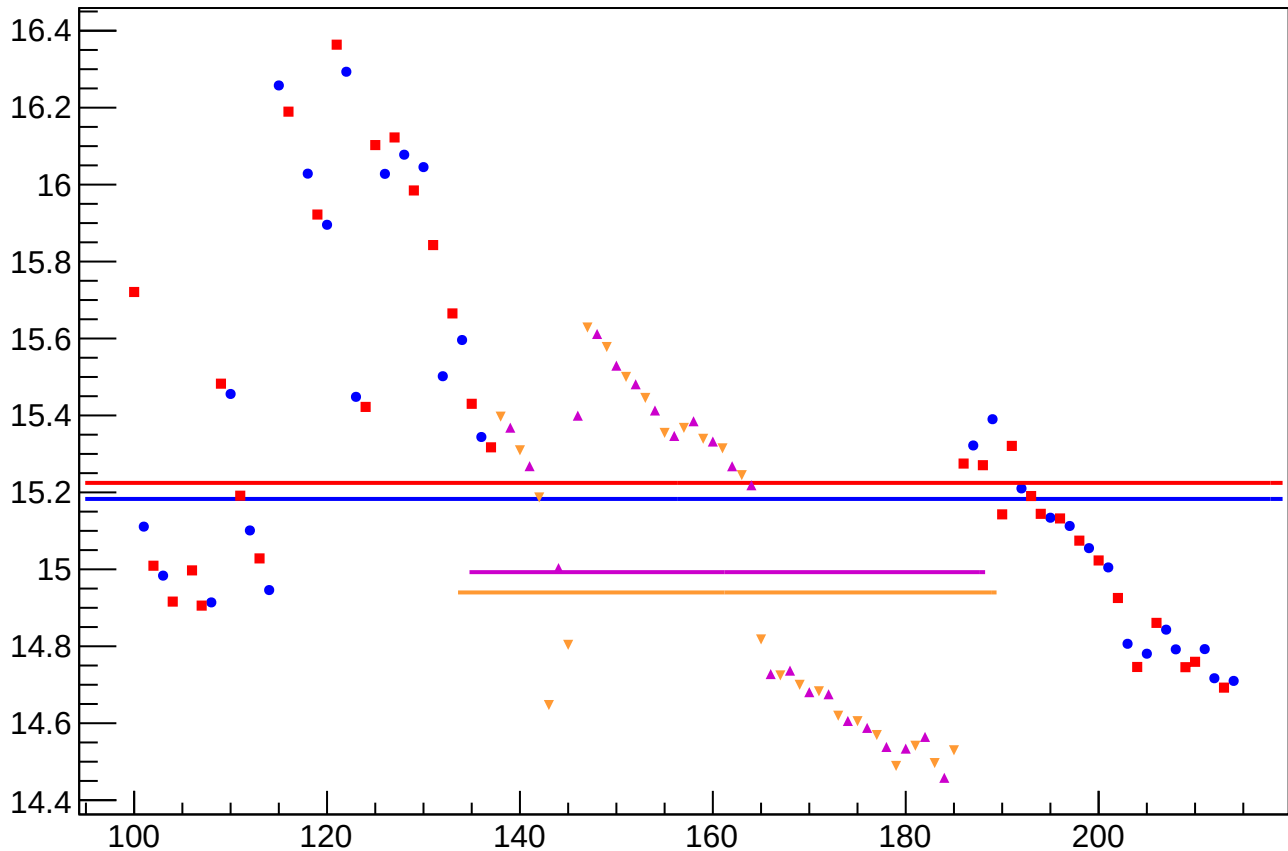
Left In: 271.415 $\pm$ 0.046 χ^2 /NDF: 521877.7/22

+ sign 268.137 $\pm$ 0.035 χ^2 /NDF: 10060155.6/55

All: 260.094 $\pm$ 0.024 χ^2 /NDF: 23883594.5/13

- sign 252.408 $\pm$ 0.034 χ^2 /NDF: 13718329.2/56

yield_sam1_mean vs Slug



Right In: 15.183+/-0.000 χ^2/NDF : 18501318445.0/30

Left Out: 14.940+/-0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.225+/-0.000 χ^2/NDF : 17289690065.7/33

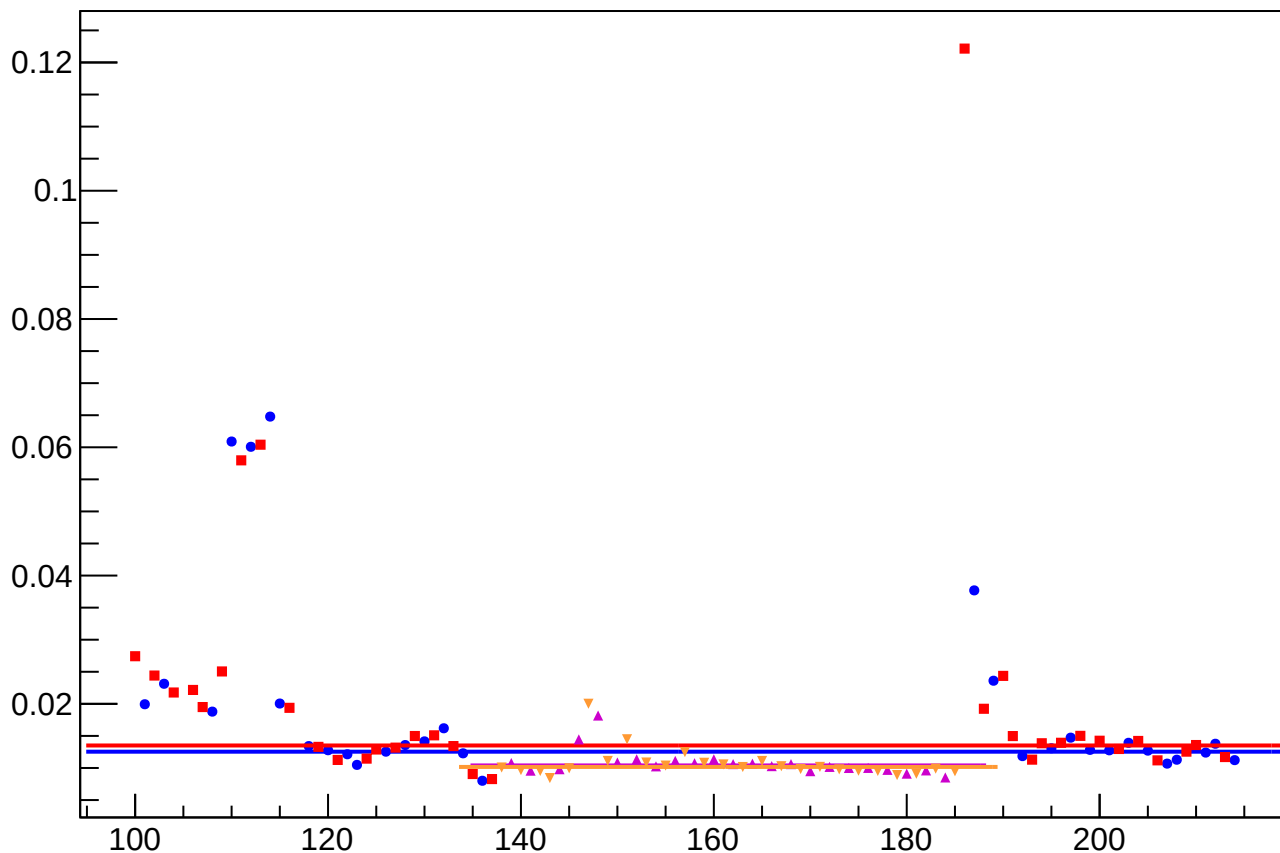
Left In: 14.993+/-0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.026+/-0.000 χ^2/NDF : 46219902609.6/55

All: 15.049+/-0.000 χ^2/NDF : 88645084731.7

- sign 15.073+/-0.000 χ^2/NDF : 42156380763.4/56

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 2602822.1/30

Left Out: 0.010+/-0.000 χ^2/NDF : 717351.4/24

Right Out: 0.014+/-0.000 χ^2/NDF : 3134733.5/33

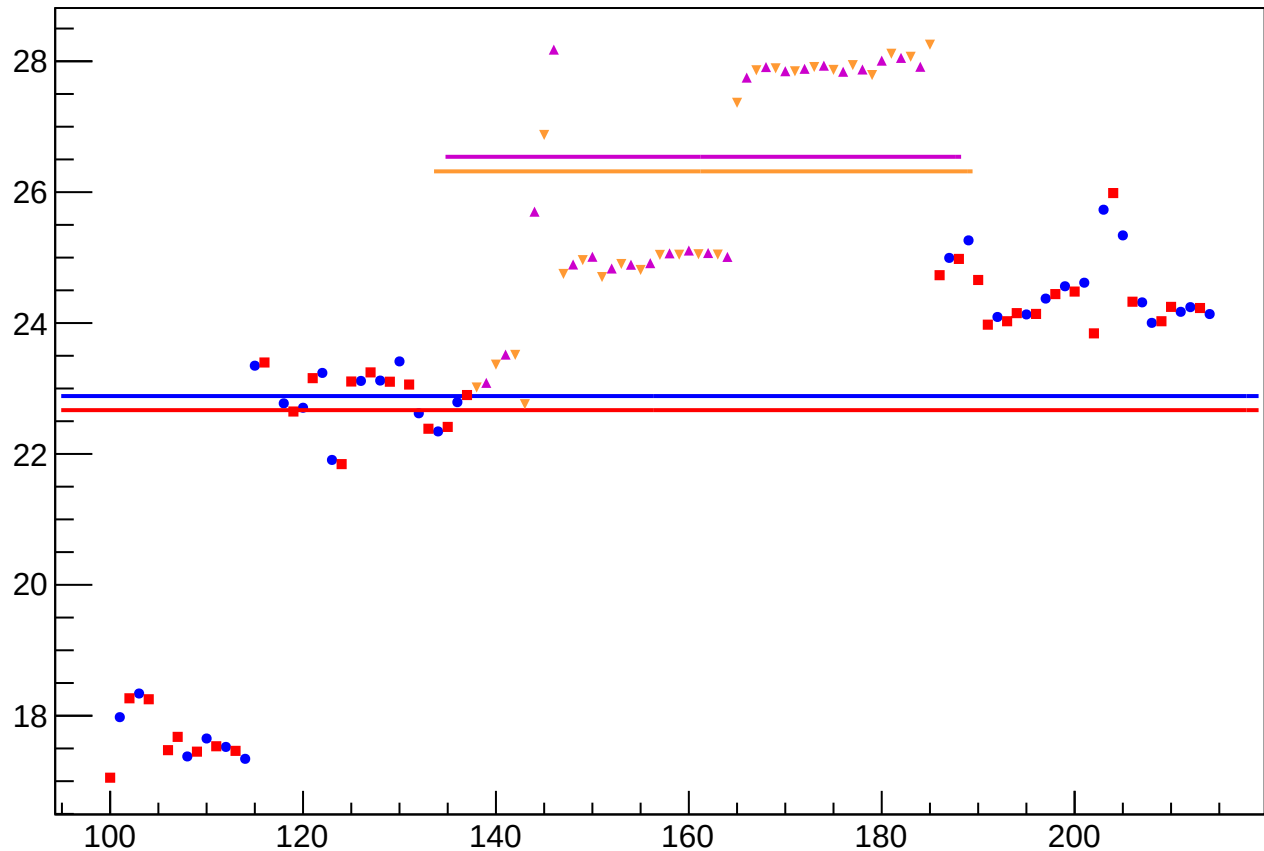
Left In: 0.010+/-0.000 χ^2/NDF : 544268.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 3993362.4/55

All: 0.011+/-0.000 χ^2/NDF : 8748766.0/112

- sign 0.011+/-0.000 χ^2/NDF : 4701677.4/56

yield_sam2_mean vs Slug



Right In: 22.884+/-0.000 χ^2/NDF : 1383441957.7/30

Left Out: 26.318+/-0.000 χ^2/NDF : 4715403741.0/24

Right Out: 22.669+/-0.000 χ^2/NDF : 1568954765.7/33

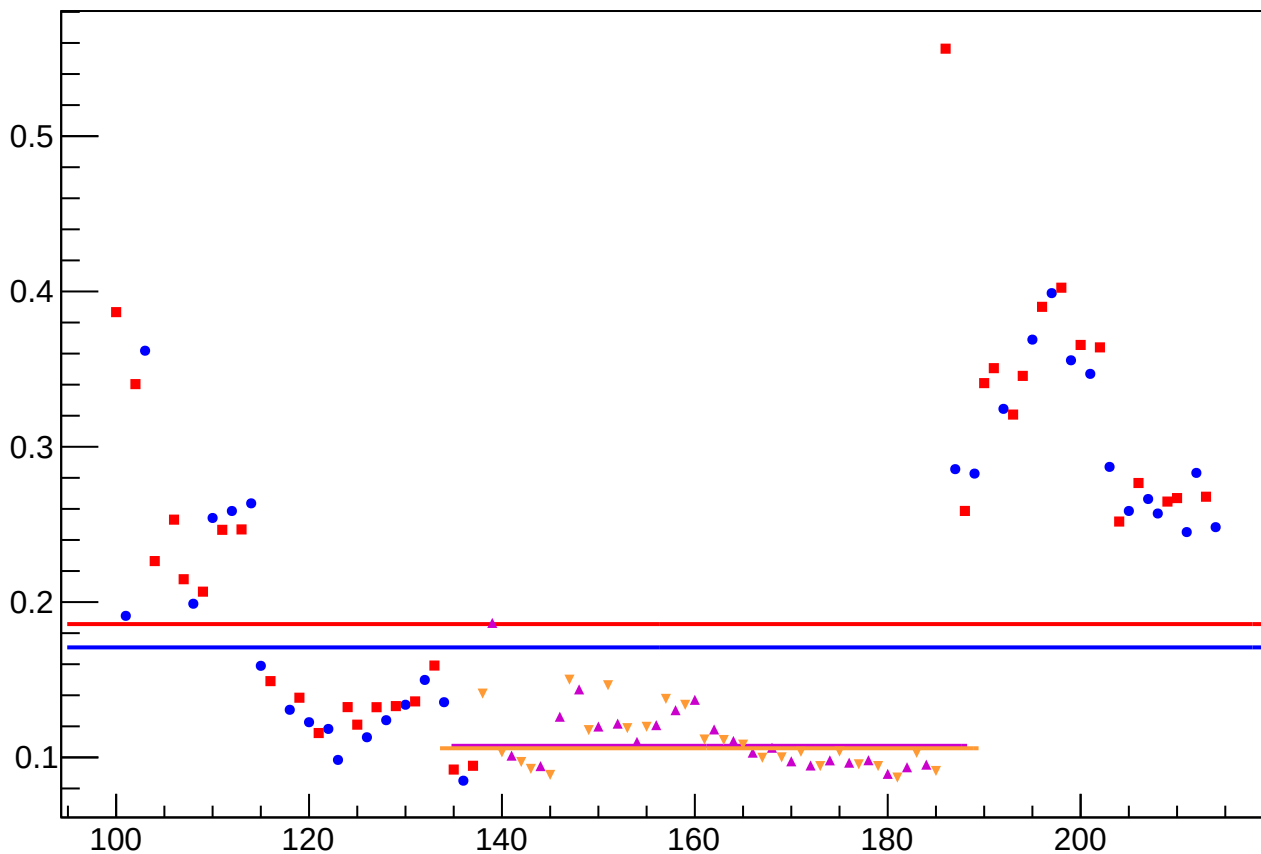
Left In: 26.540+/-0.000 χ^2/NDF : 3309392772.6/22

+ sign 25.525+/-0.000 χ^2/NDF : 9936883329.7/55

All: 25.592+/-0.000 χ^2/NDF : 19223893893.7

- sign 25.665+/-0.000 χ^2/NDF : 9269962616.9/56

yield_sam2_rms vs Slug



Right In: 0.171+/-0.000 χ^2/NDF : 6302893.1/30

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.186+/-0.000 χ^2/NDF : 6039188.7/33

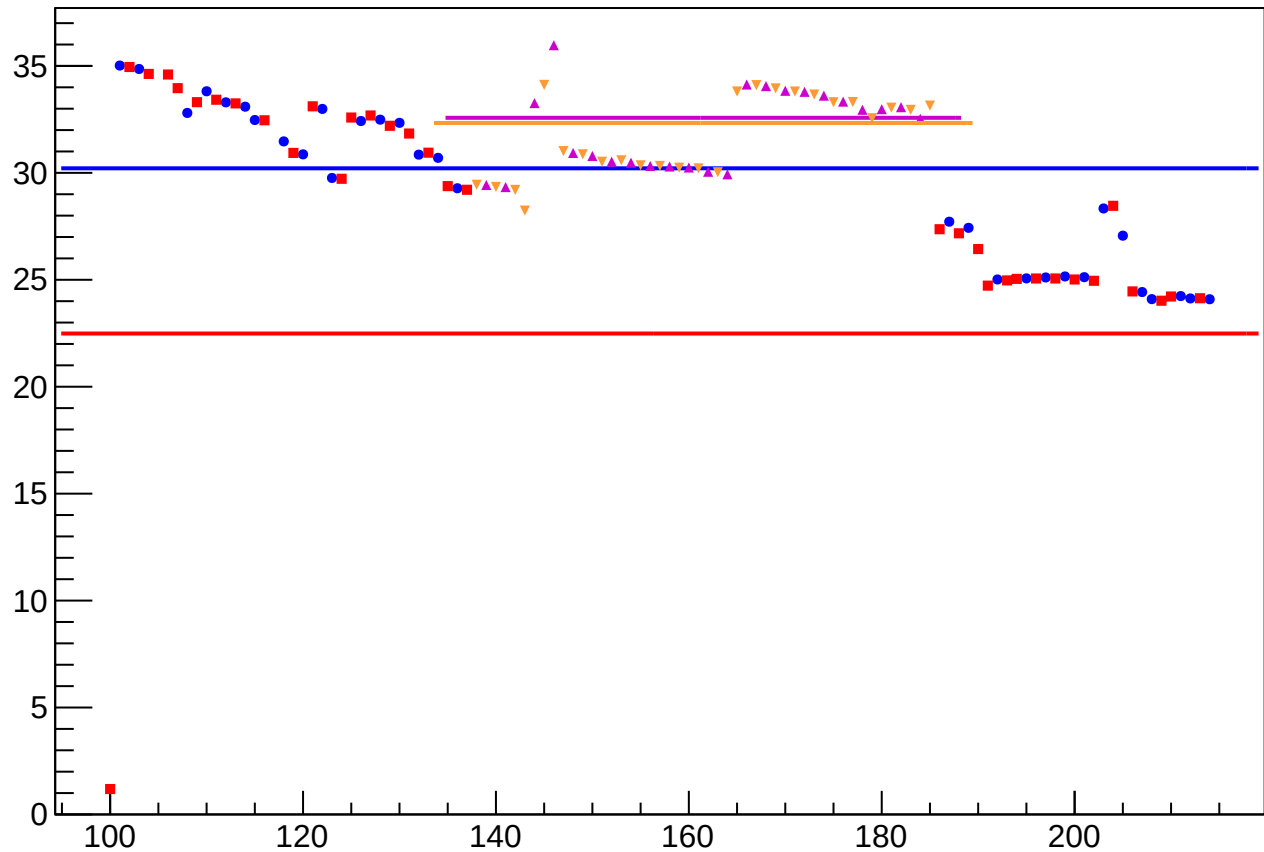
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.121+/-0.000 χ^2/NDF : 9783296.7/55

All: 0.123+/-0.000 χ^2/NDF : 20226309.8/112

- sign 0.125+/-0.000 χ^2/NDF : 10410349.6/56

yield_sam3_mean vs Slug



Right In: 30.212 $\pm$ 0.000 χ^2 /NDF: 10092180715.1/30

Left Out: 32.331 $\pm$ 0.000 χ^2 /NDF: 12850475096.2/24

Right Out: 22.488 $\pm$ 0.000 χ^2 /NDF: 232274503370.3/33

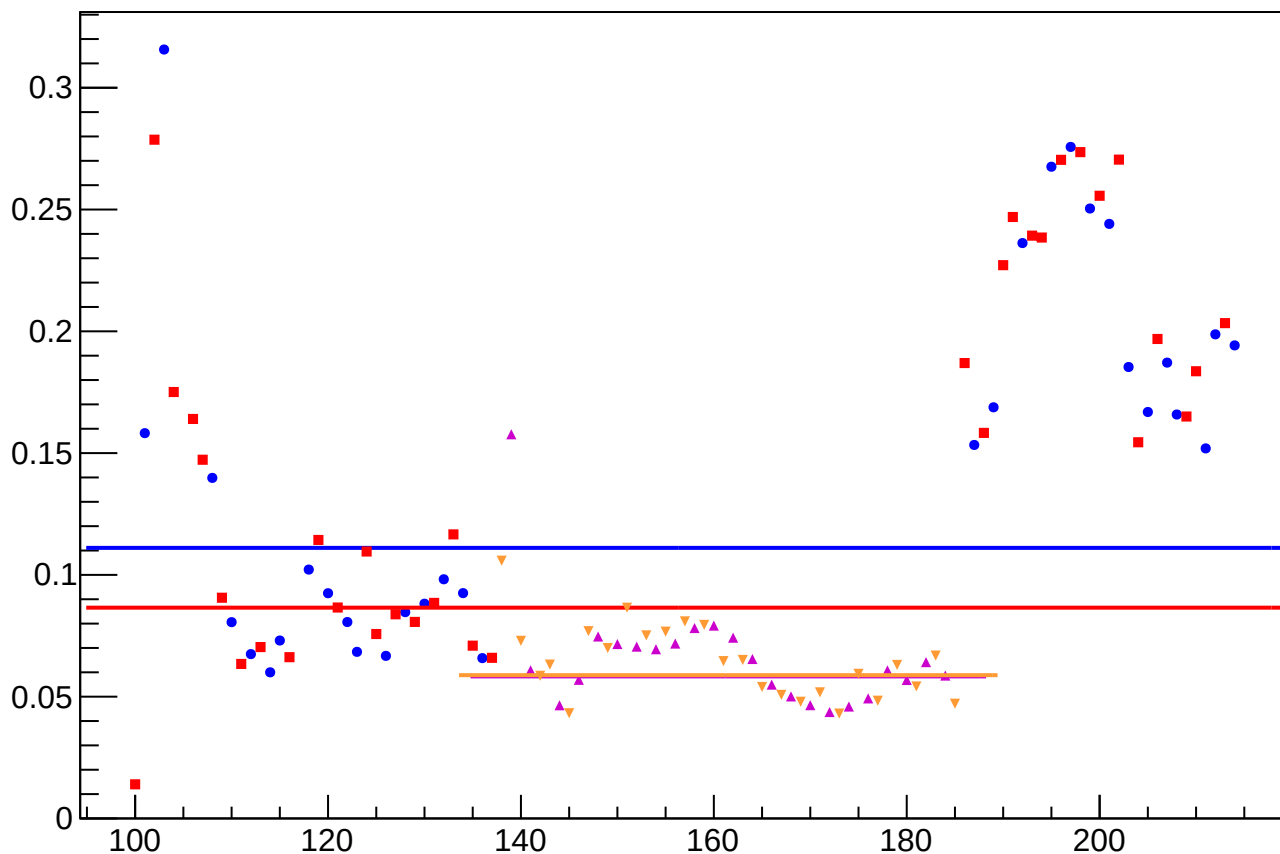
Left In: 32.574 $\pm$ 0.000 χ^2 /NDF: 11797772603.7/22

+ sign 31.928 $\pm$ 0.000 χ^2 /NDF: 26444759892.9/55

All: 30.984 $\pm$ 0.000 χ^2 /NDF: 378484526333.

- sign 30.068 $\pm$ 0.000 χ^2 /NDF: 343156044037.3/56

yield_sam3_rms vs Slug



Right In: 0.111+/-0.000 χ^2/NDF : 6483974.1/30

Left Out: 0.059+/-0.000 χ^2/NDF :1402605.2/24

Right Out: 0.087+/-0.000 χ^2/NDF : 11834529.8/33

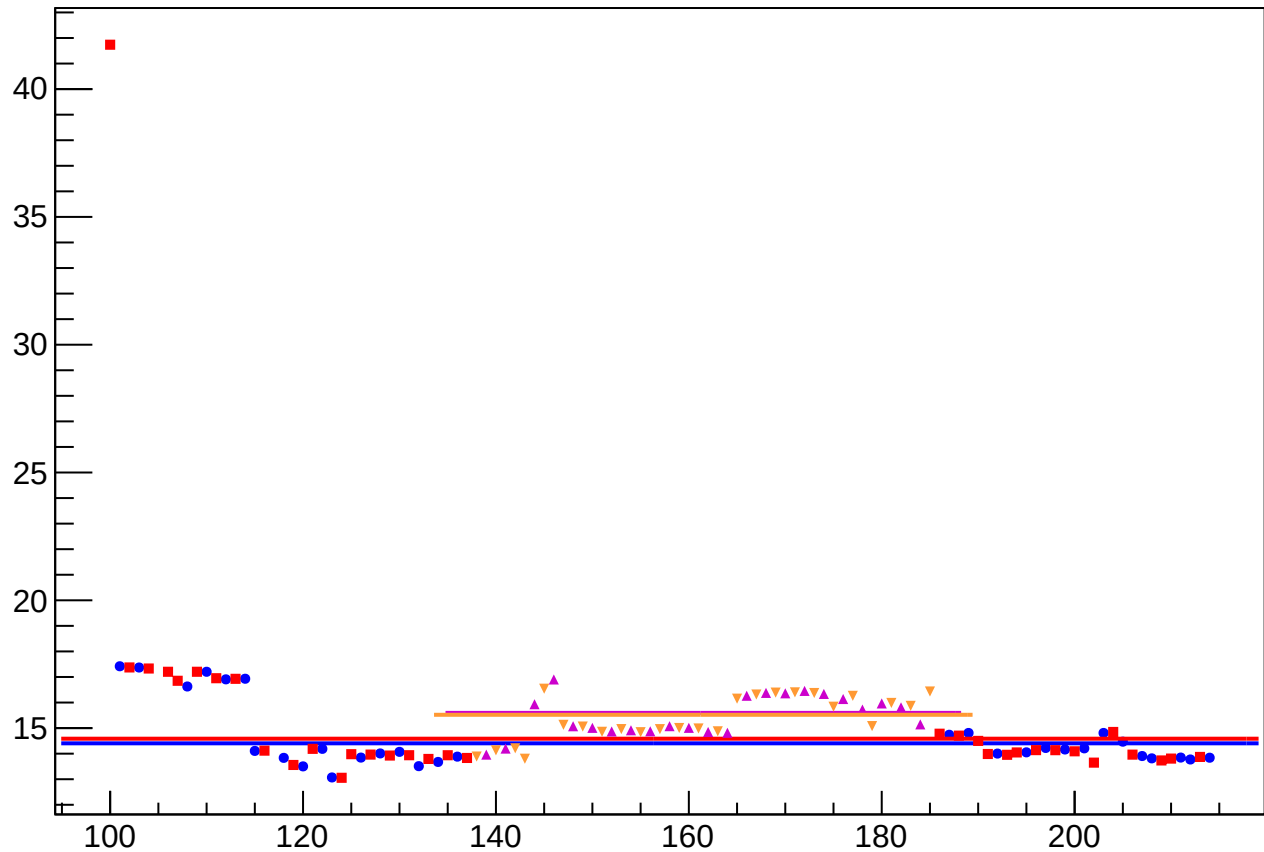
Left In: 0.058+/-0.000 χ^2/NDF :1525476.4/22

+ sign 0.069+/-0.000 χ^2/NDF : 12148591.4/55

All: 0.067+/-0.000 χ^2/NDF : 27122211.6/112

- sign 0.065+/-0.000 χ^2/NDF : 14912372.5/56

yield_sam4_mean vs Slug



Right In: 14.405+/-0.000 χ^2/NDF : 1566886180.4/30

Left Out: 15.521+/-0.000 χ^2/NDF : 2591377740.5/24

Right Out: 14.585+/-0.000 χ^2/NDF : 2038592431.9/33

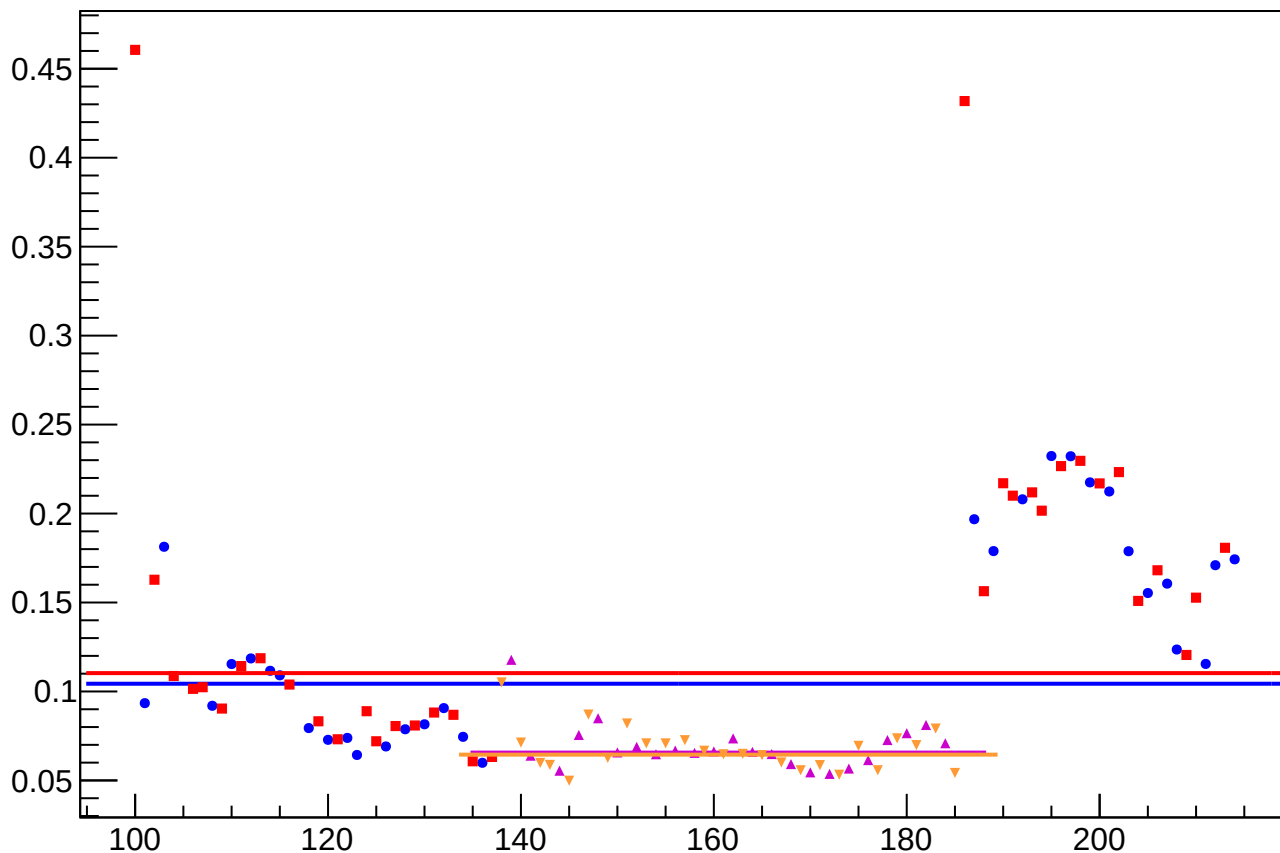
Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

+ sign 15.253+/-0.000 χ^2/NDF : 5281830925.8/55

All: 15.299+/-0.000 χ^2/NDF : 10103220781.6

- sign 15.350+/-0.000 χ^2/NDF : 4798970147.1/56

yield_sam4_rms vs Slug



Right In: 0.104 ± 0.000 χ^2/NDF : 5347926.2/30

Left Out: 0.064 ± 0.000 χ^2/NDF : 761552.3/24

Right Out: 0.110 ± 0.000 χ^2/NDF : 5332241.4/33

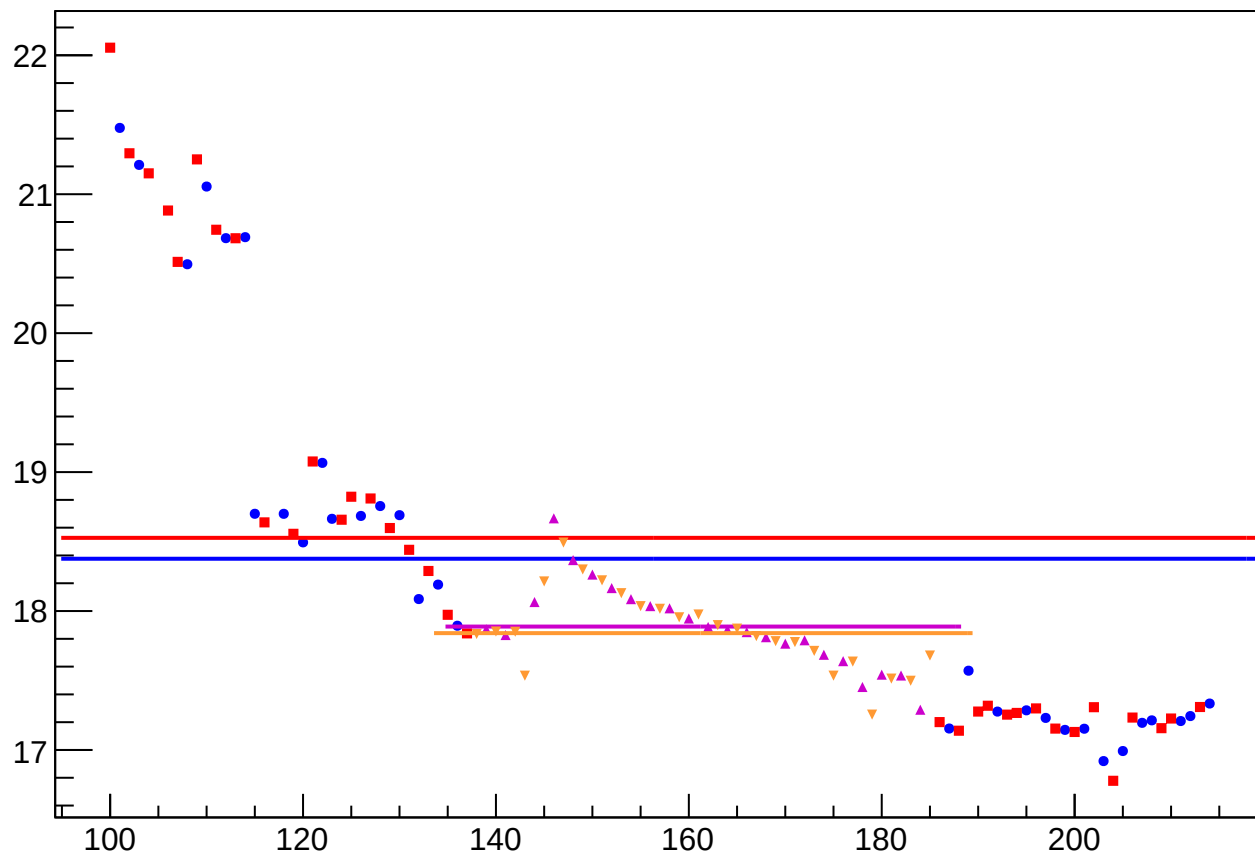
Left In: 0.066 ± 0.000 χ^2/NDF : 714703.1/22

+ sign 0.074 ± 0.000 χ^2/NDF : 8973264.4/55

All: 0.075 ± 0.000 χ^2/NDF : 18381078.3/112

- sign 0.076 ± 0.000 χ^2/NDF : 9380090.2/56

yield_sam5_mean vs Slug



Right In: 18.376+/-0.000 χ^2/NDF : 32271749076.3/30

Left Out: 17.841+/-0.000 χ^2/NDF : 1283287989.7/24

Right Out: 18.527+/-0.000 χ^2/NDF : 34195733248.9/33

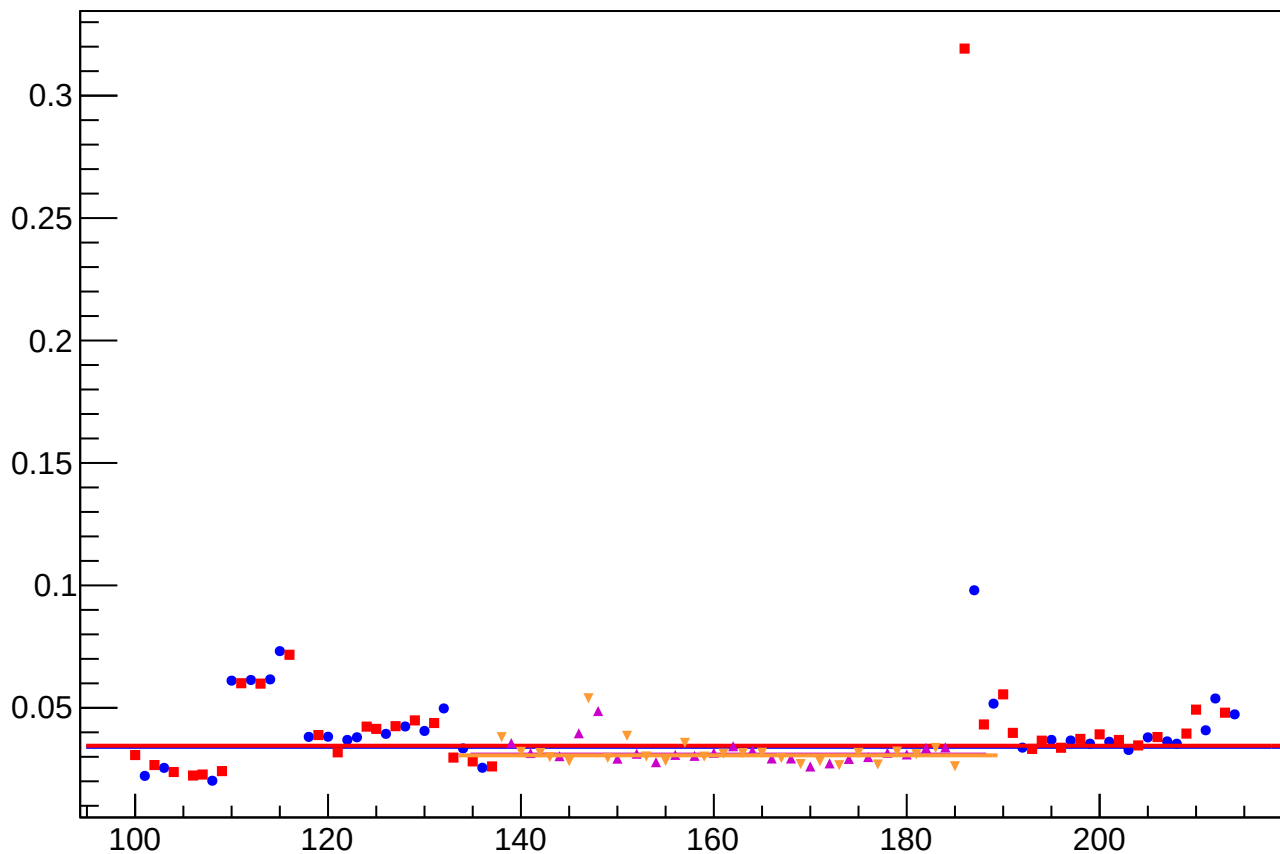
Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

+ sign 18.058+/-0.000 χ^2/NDF : 35723764673.7/55

All: 18.107+/-0.000 χ^2/NDF : 74251947493.8

- sign 18.157+/-0.000 χ^2/NDF : 38378757017.8/56

yield_sam5_rms vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 2112299.2/30

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 2431955.5/33

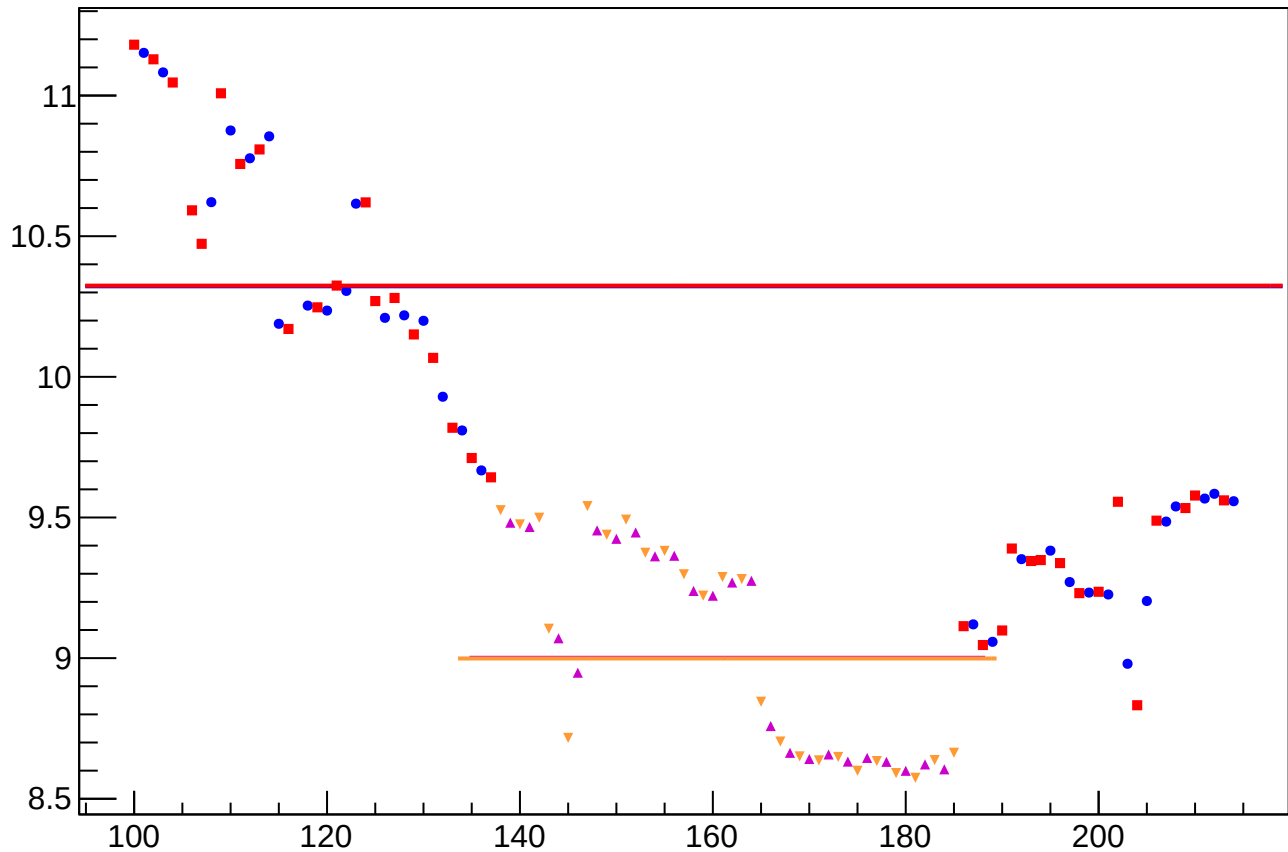
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2884876.3/55

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 5968032.0/112

- sign 0.032 $\pm$ 0.000 χ^2 /NDF: 3077923.0/56

yield_sam6_mean vs Slug



Right In: 10.322 $\pm$ 0.000 χ^2 /NDF: 15908079613.5/30

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.324 $\pm$ 0.000 χ^2 /NDF: 13995871997.3/33

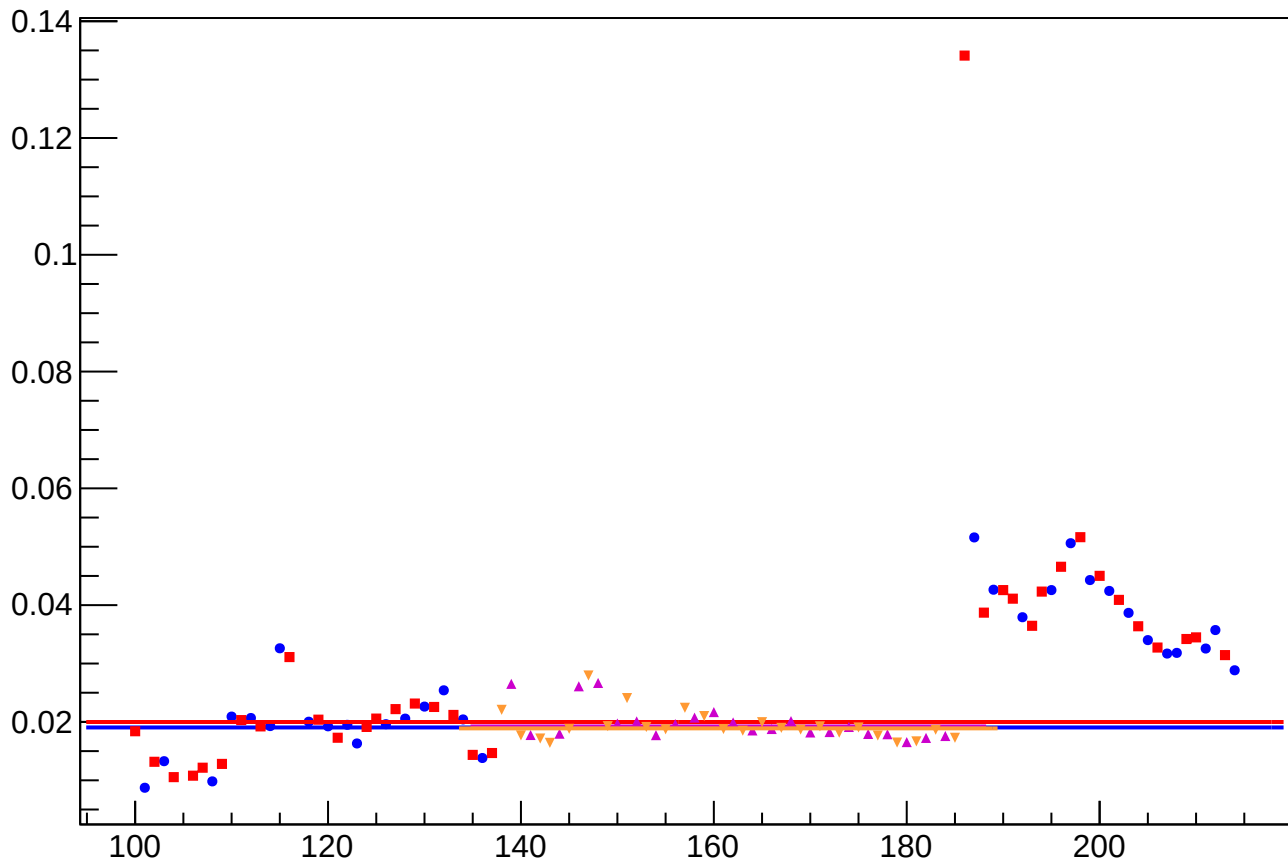
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.547 $\pm$ 0.000 χ^2 /NDF: 56351156242.1/55

All: 9.555 $\pm$ 0.000 χ^2 /NDF: 107578925773.8

- sign 9.565 $\pm$ 0.000 χ^2 /NDF: 51215179117.8/56

yield_sam6_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 7344062.5/30

Left Out: 0.019+/-0.000 χ^2/NDF : 428169.5/24

Right Out: 0.020+/-0.000 χ^2/NDF : 7202105.1/33

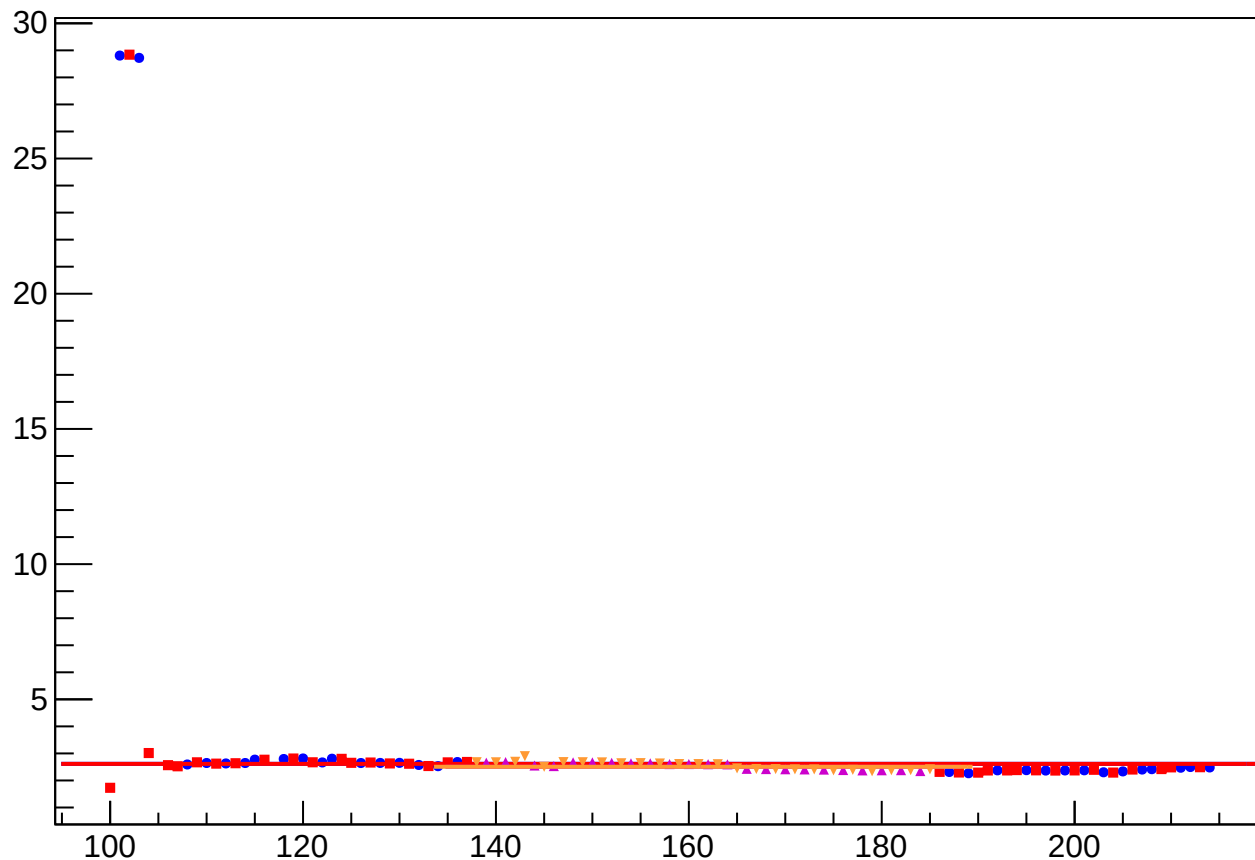
Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

+ sign 0.019+/-0.000 χ^2/NDF : 7773147.4/55

All: 0.019+/-0.000 χ^2/NDF : 15504841.4/112

- sign 0.020+/-0.000 χ^2/NDF : 7705003.5/56

yield_sam7_mean vs Slug



Right In: 2.615 $\pm$ 0.000 χ^2 /NDF: 182102894194.5/30

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.613 $\pm$ 0.000 χ^2 /NDF: 90696072608.1/33

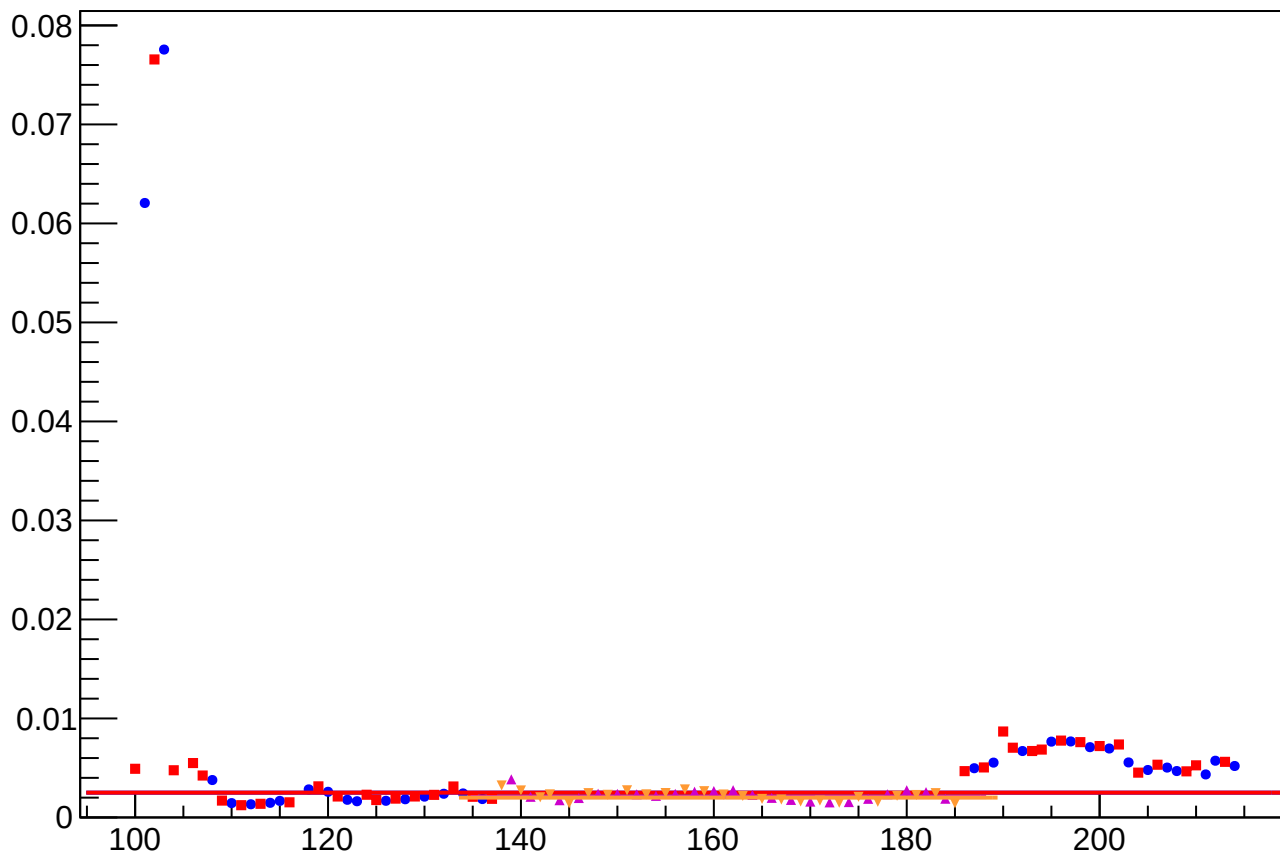
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.540 $\pm$ 0.000 χ^2 /NDF: 259688671702.2/55

All: 2.541 $\pm$ 0.000 χ^2 /NDF: 406303398949.0

- sign 2.542 $\pm$ 0.000 χ^2 /NDF: 146608016613.7/56

yield_sam7_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 10244221.6/30

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 10307160.1/33

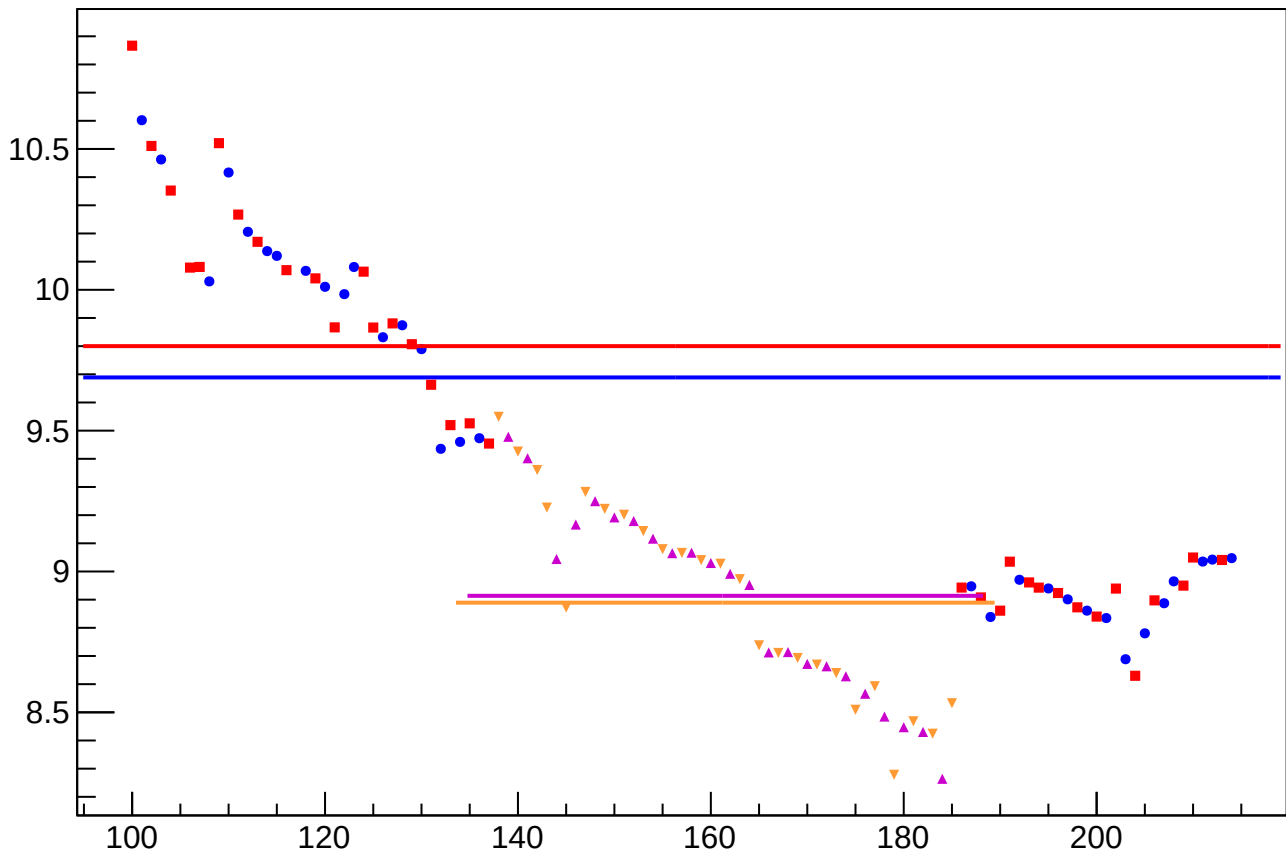
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12272850.8/55

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 24343407.8/112

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12057780.9/56

yield_sam8_mean vs Slug



Right In: 9.689 $\pm$ 0.000 χ^2/NDF : 77088022139.0/30

Left Out: 8.889 $\pm$ 0.000 χ^2/NDF : 34704694045.9/24

Right Out: 9.800 $\pm$ 0.000 χ^2/NDF : 77424660555.8/33

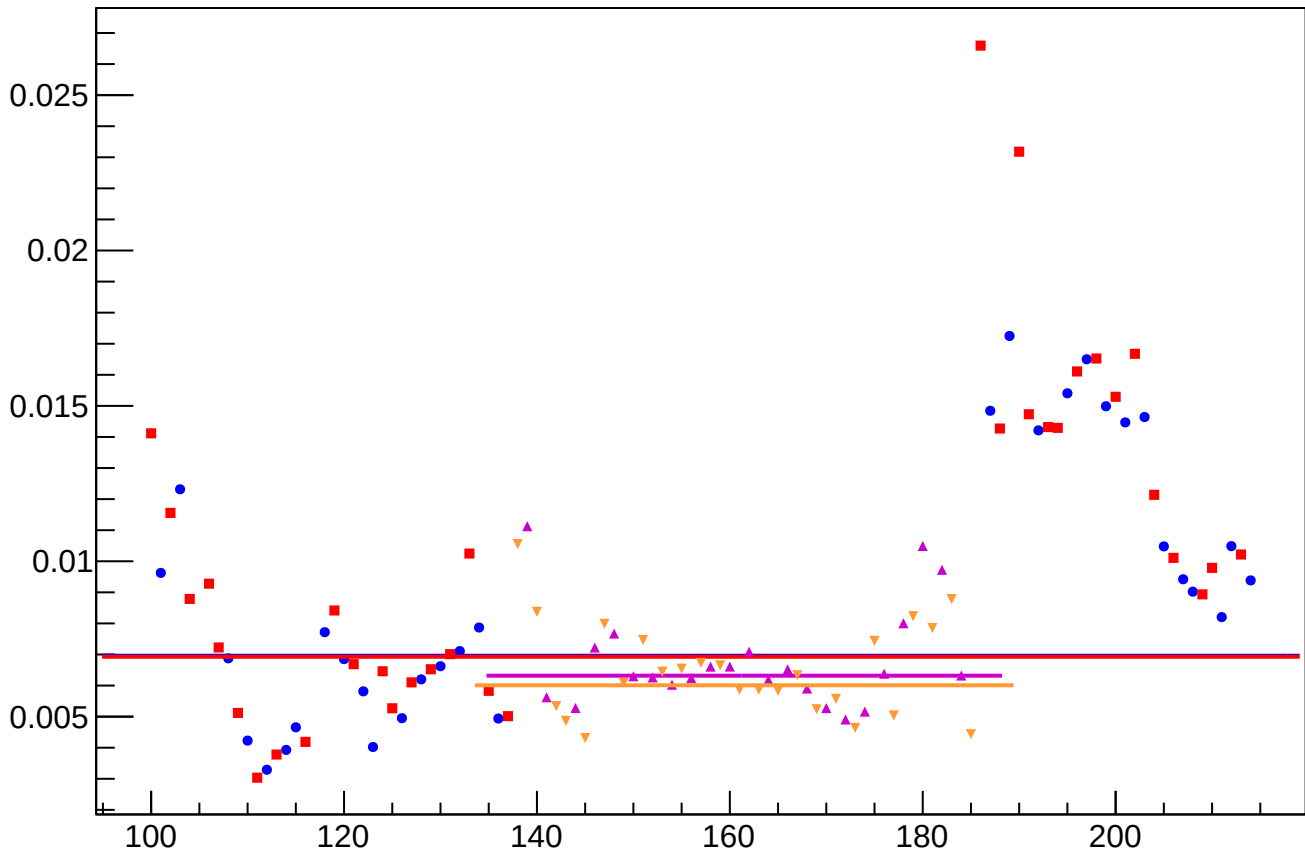
Left In: 8.914 $\pm$ 0.000 χ^2/NDF : 28497227562.7/22

+ sign 9.198 $\pm$ 0.000 χ^2/NDF : 211103552024.1/55

All: 9.240 $\pm$ 0.000 χ^2/NDF : 434324889689.4

- sign 9.286 $\pm$ 0.000 χ^2/NDF : 220791313690.2/56

yield_sam8_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6044735.3/30

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7550874.3/33

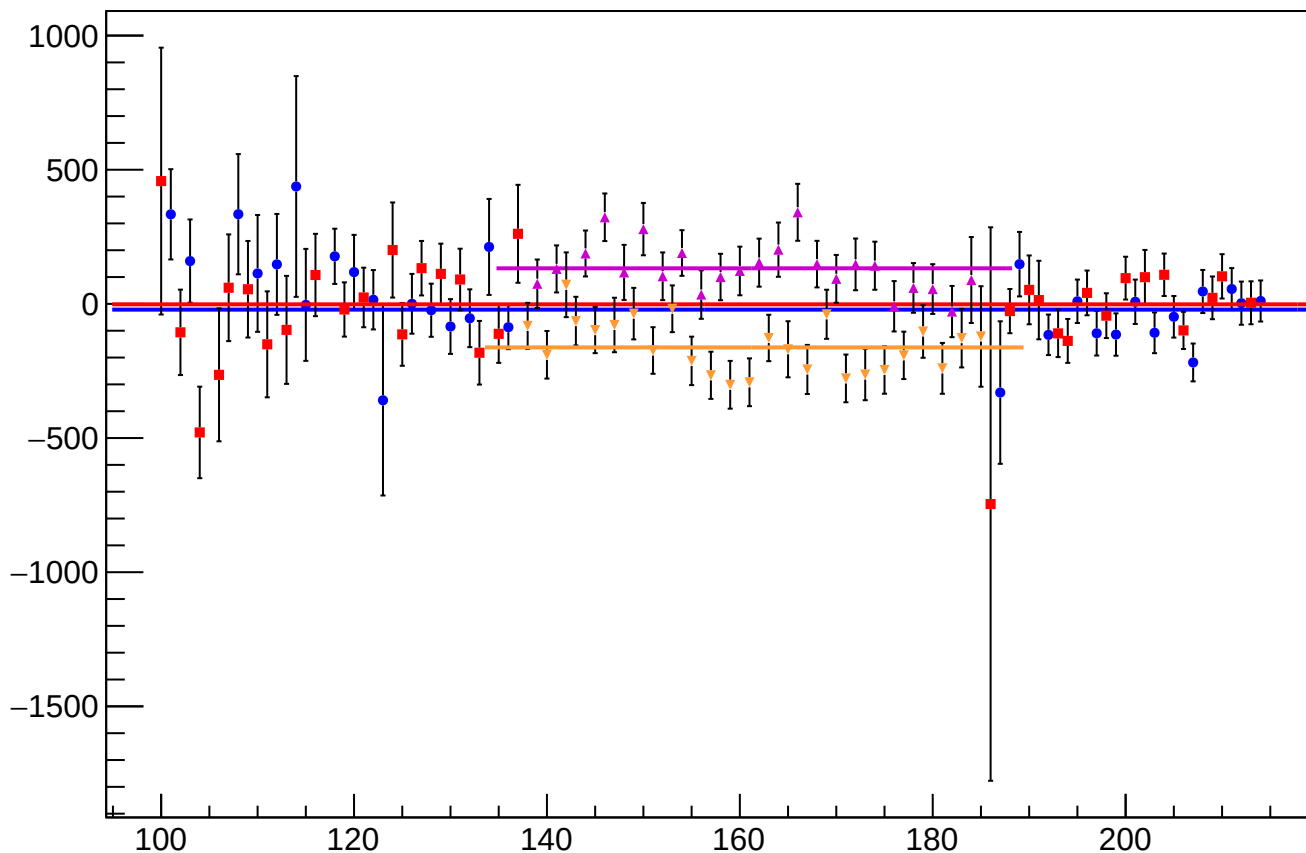
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7638308.4/55

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 16409273.4/112

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8746441.4/56

reg_asym_sam1_mean vs Slug



Right In: -21.374 ± 18.243 χ^2/NDF : 38.2/30

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: -1.668 ± 18.673 χ^2/NDF : 36.6/33

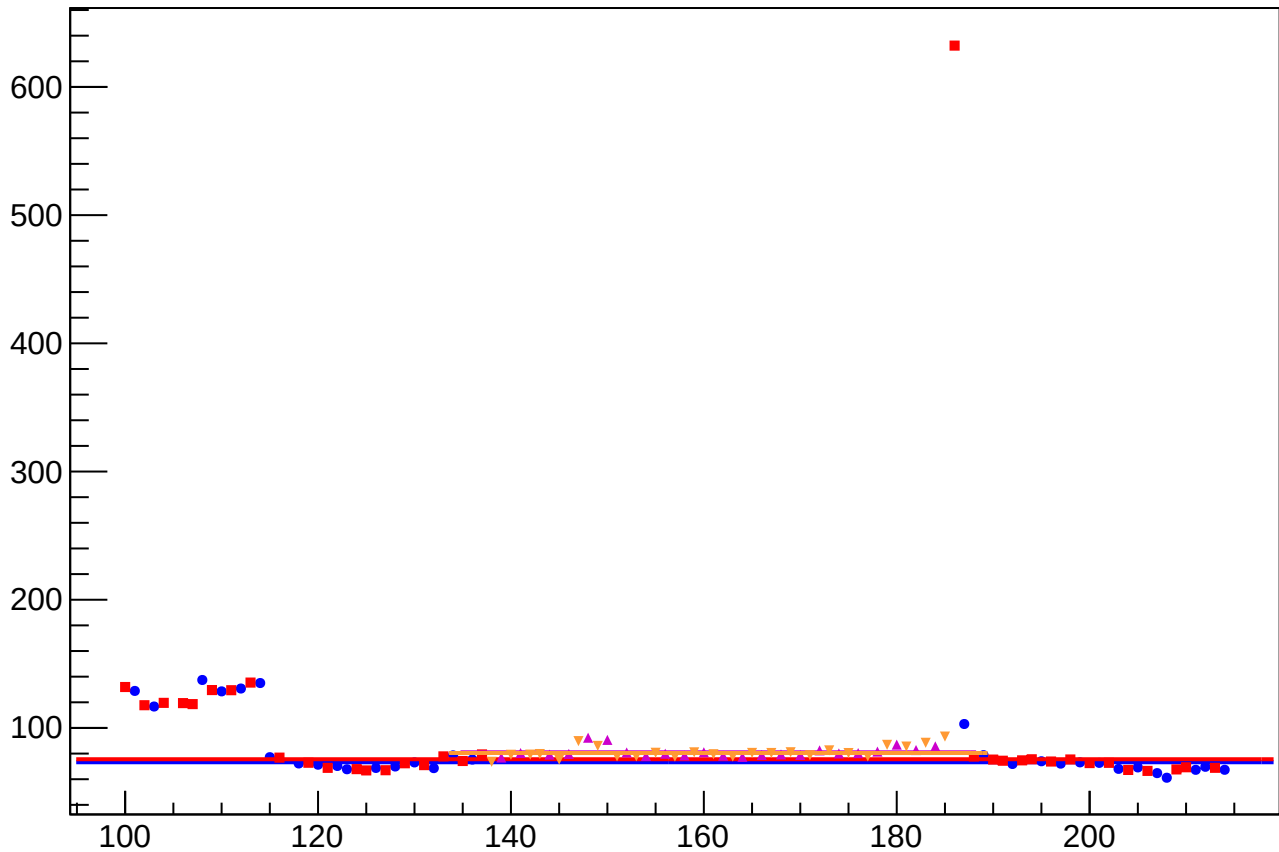
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -89.859 ± 13.074 χ^2/NDF : 92.9/55

All: -15.687 ± 9.376 χ^2/NDF : 241.3/112

- sign 62.872 ± 13.455 χ^2/NDF : 82.2/56

reg_asym_sam1_rms vs Slug



Right In: 73.237 $\pm$ 0.013 χ^2 /NDF: 1063001.6/30

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 75.590 $\pm$ 0.013 χ^2 /NDF: 1695994.5/33

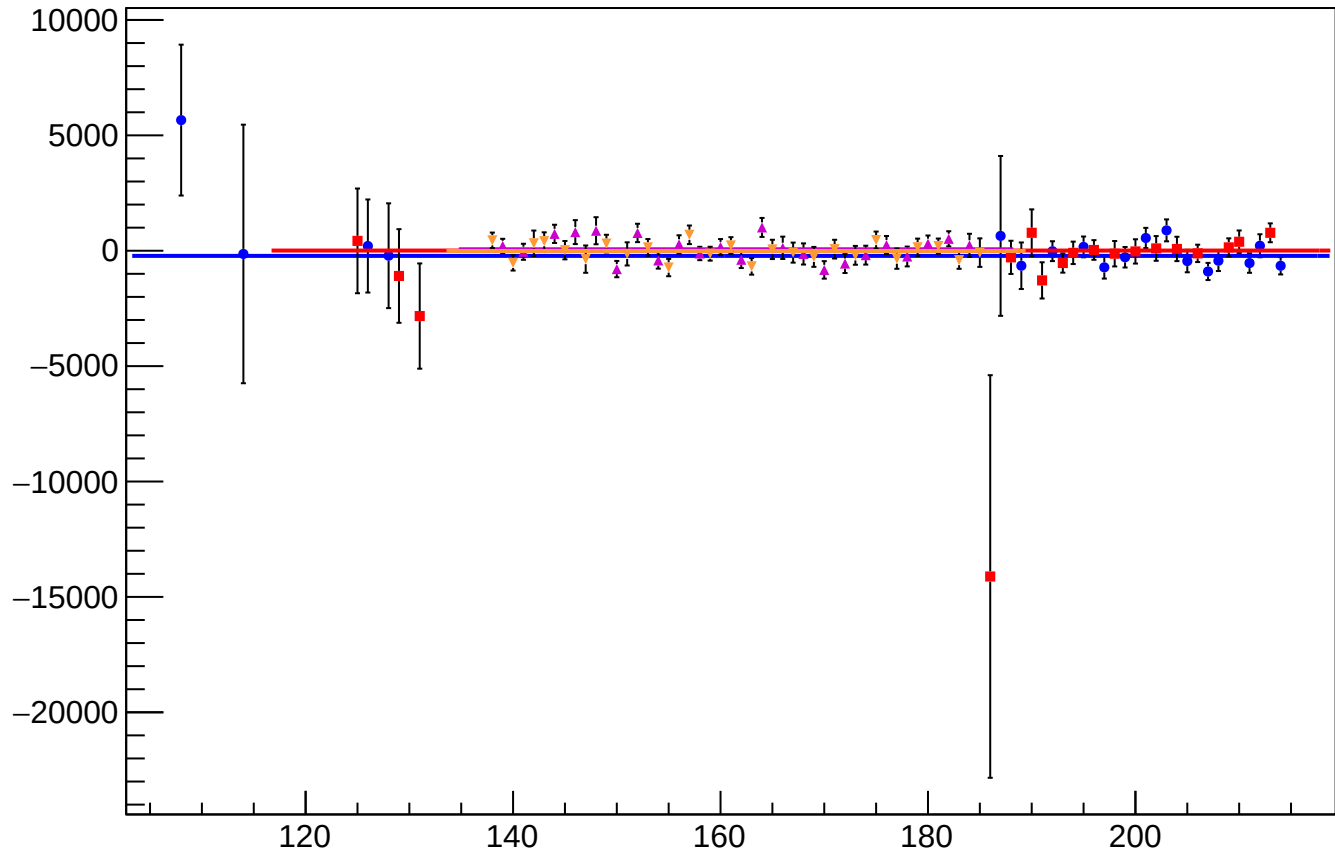
Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

+ sign 76.750 $\pm$ 0.009 χ^2 /NDF: 1305378.4/55

All: 77.453 $\pm$ 0.007 χ^2 /NDF: 3166664.8/112

- sign 78.198 $\pm$ 0.010 χ^2 /NDF: 1849374.0/56

asym_sam1_correction_mean vs Slug



Right In: -222.930 $\pm$ 124.949 χ^2 /NDF: 20.5/17

Left Out: -10.486 $\pm$ 78.391 χ^2 /NDF: 22.5/24

Right Out: 8.494 $\pm$ 130.872 χ^2 /NDF: 14.2/17

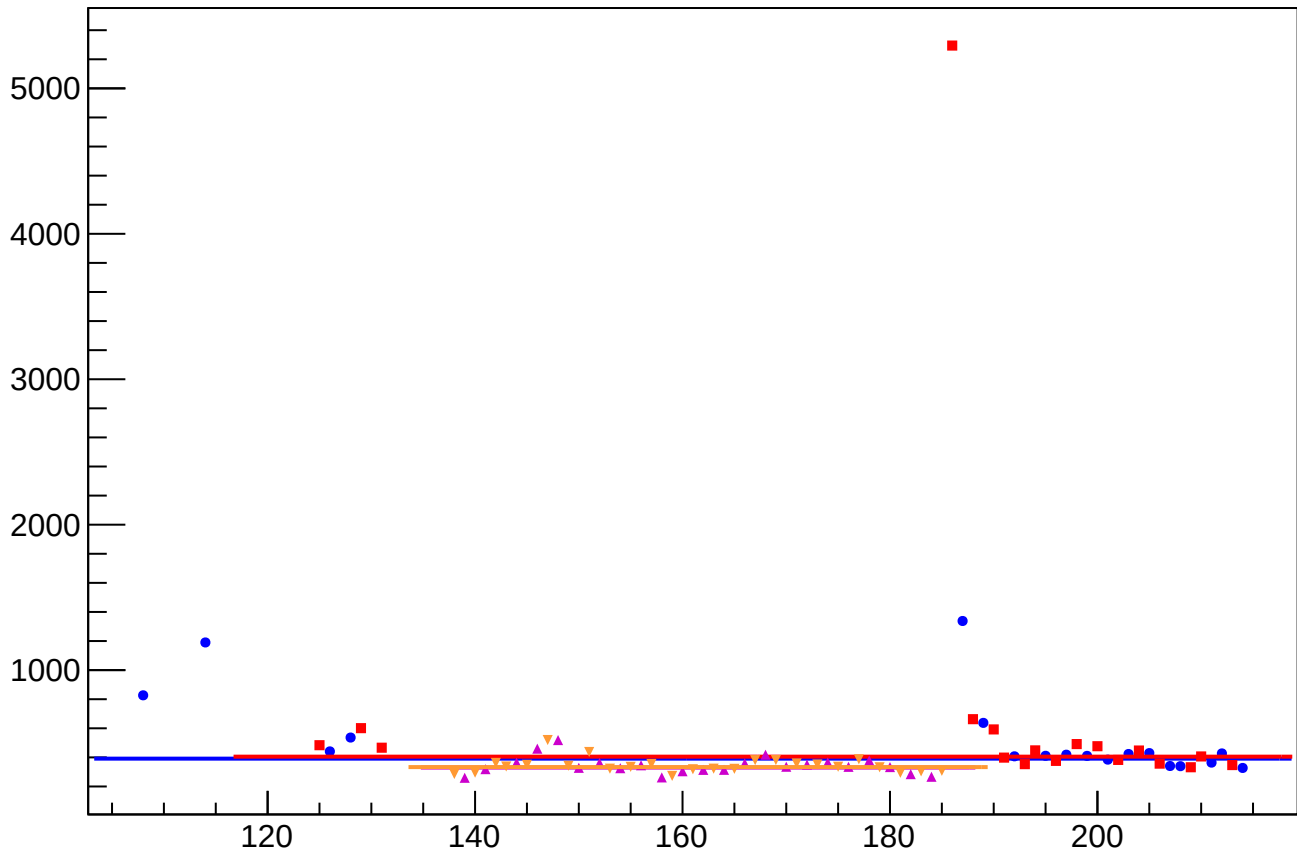
Left In: 64.591 $\pm$ 80.047 χ^2 /NDF: 37.4/22

+ sign -70.489 $\pm$ 66.404 χ^2 /NDF: 45.1/42

All: -12.259 $\pm$ 47.606 χ^2 /NDF: 98.3/83

- sign 49.319 $\pm$ 68.286 χ^2 /NDF: 51.7/40

asym_sam1_correction_rms vs Slug



Right In: 391.398 $\pm$ 0.088 χ^2 /NDF: 532639.9/17

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 405.051 $\pm$ 0.093 χ^2 /NDF: 1276432.4/17

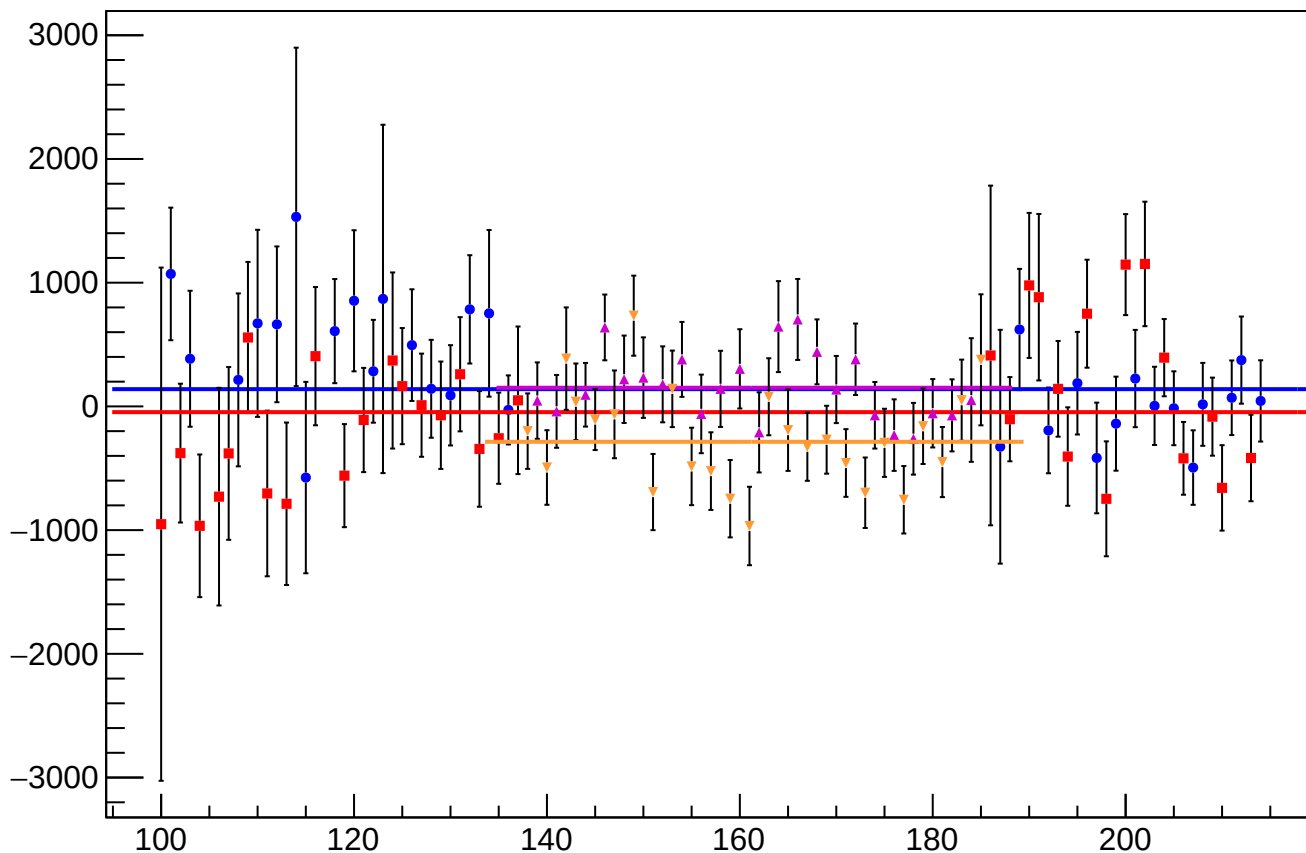
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 349.661 $\pm$ 0.047 χ^2 /NDF: 1435756.1/42

All: 350.031 $\pm$ 0.034 χ^2 /NDF: 3987131.9/83

- sign 350.422 $\pm$ 0.048 χ^2 /NDF: 2551248.1/40

reg_asym_sam2_mean vs Slug



Right In: 139.372 ± 75.534 χ^2/NDF : 23.4/30

Left Out: -286.030 ± 61.095 χ^2/NDF : 36.6/24

Right Out: -46.389 ± 78.050 χ^2/NDF : 44.9/33

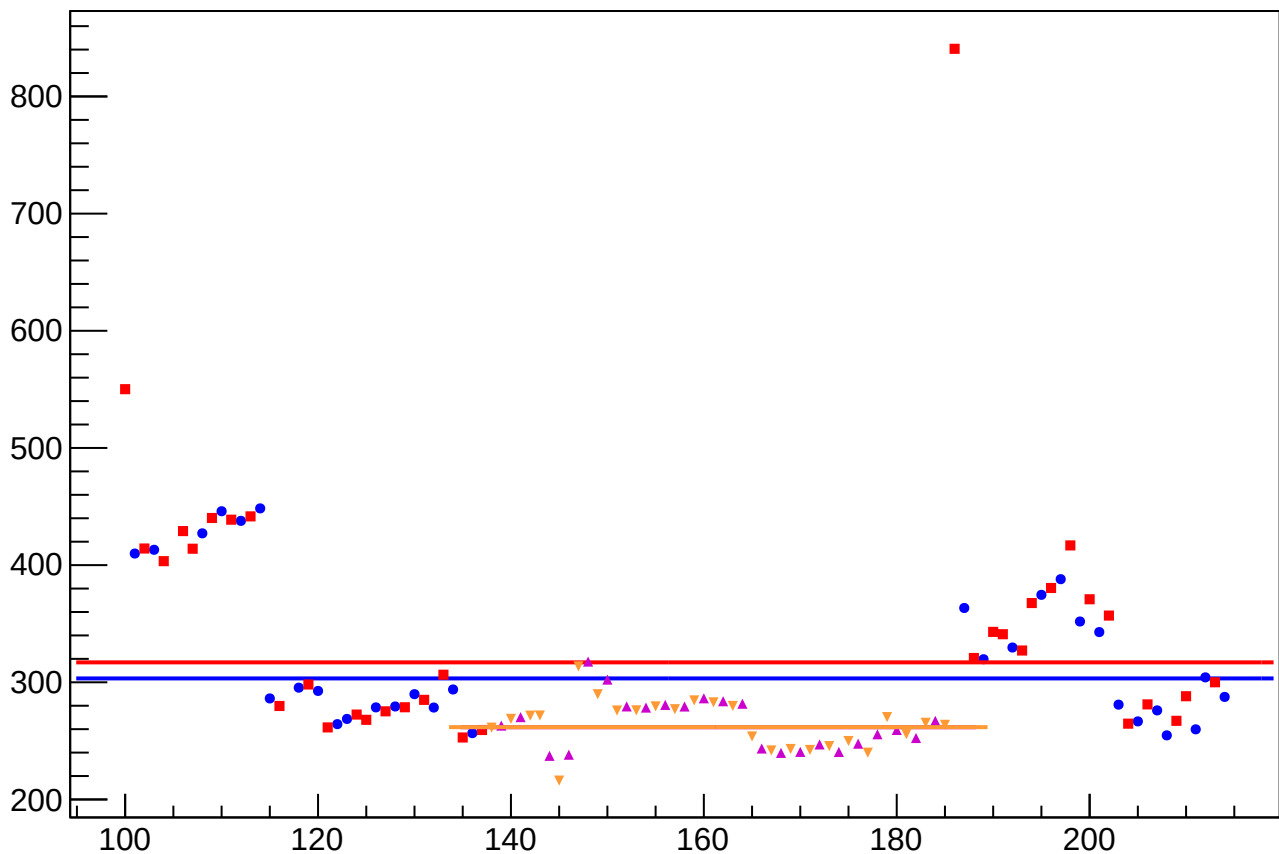
Left In: 150.920 ± 62.818 χ^2/NDF : 18.7/22

+ sign -117.791 ± 47.501 χ^2/NDF : 79.1/55

All: -25.062 ± 34.085 χ^2/NDF : 154.5/112

- sign 73.354 ± 48.937 χ^2/NDF : 67.5/56

reg_asym_sam2_rms vs Slug



Right In: 303.303 ± 0.053 $\chi^2/\text{NDF}: 856784.2/30$

Left Out: 261.722 ± 0.043 $\chi^2/\text{NDF}: 233222.6/24$

Right Out: 317.005 ± 0.055 $\chi^2/\text{NDF}: 1291888.0/33$

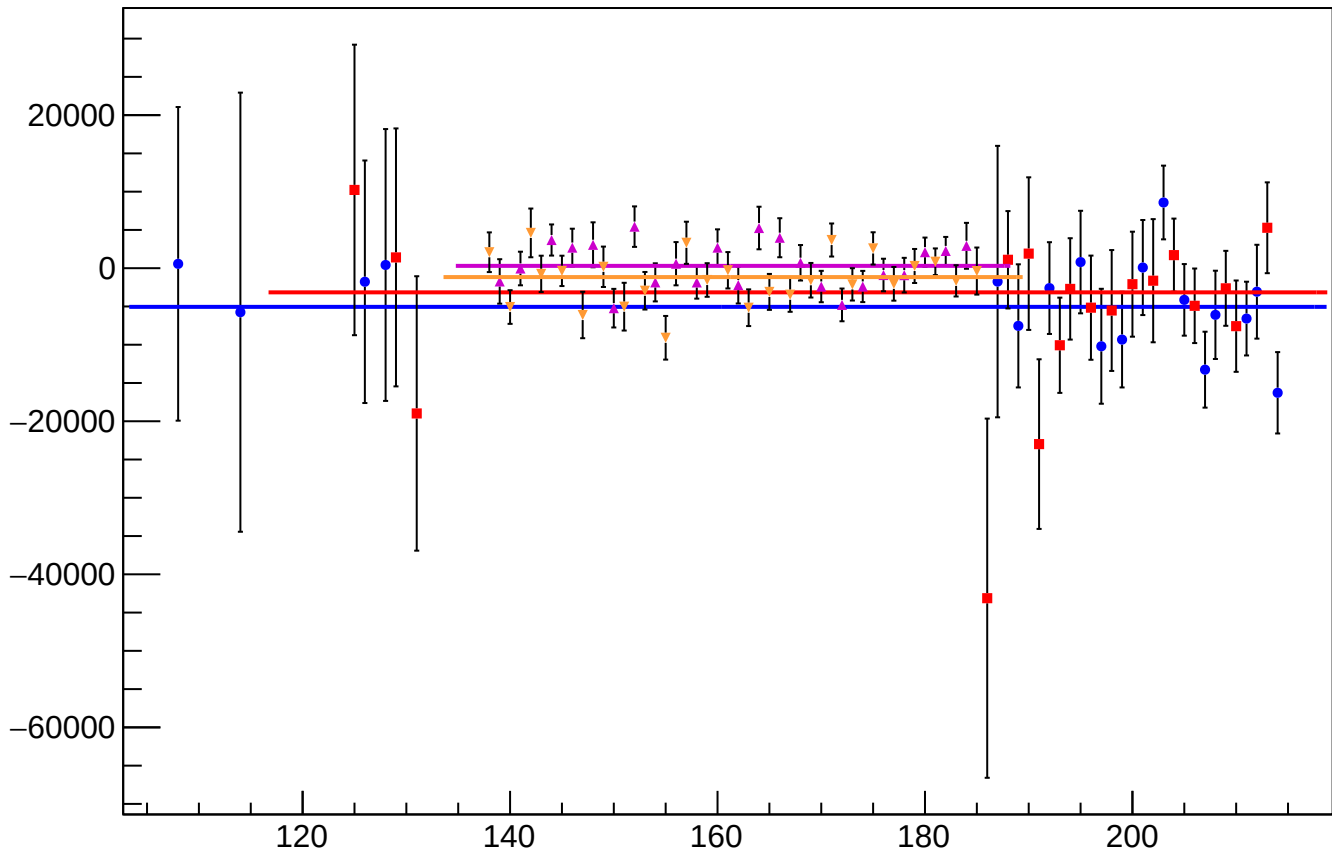
Left In: 261.637 ± 0.044 $\chi^2/\text{NDF}: 228241.3/22$

+ sign 278.166 ± 0.034 $\chi^2/\text{NDF}: 1456398.8/55$

All: 280.707 ± 0.024 $\chi^2/\text{NDF}: 3599132.4/112$

- sign 283.403 ± 0.035 $\chi^2/\text{NDF}: 2130942.8/56$

asym_sam2_correction_mean vs Slug



Right In: -5052.426 ± 1555.488 χ^2/NDF : 18.4/17

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -3157.362 ± 1663.635 χ^2/NDF : 13.4/17

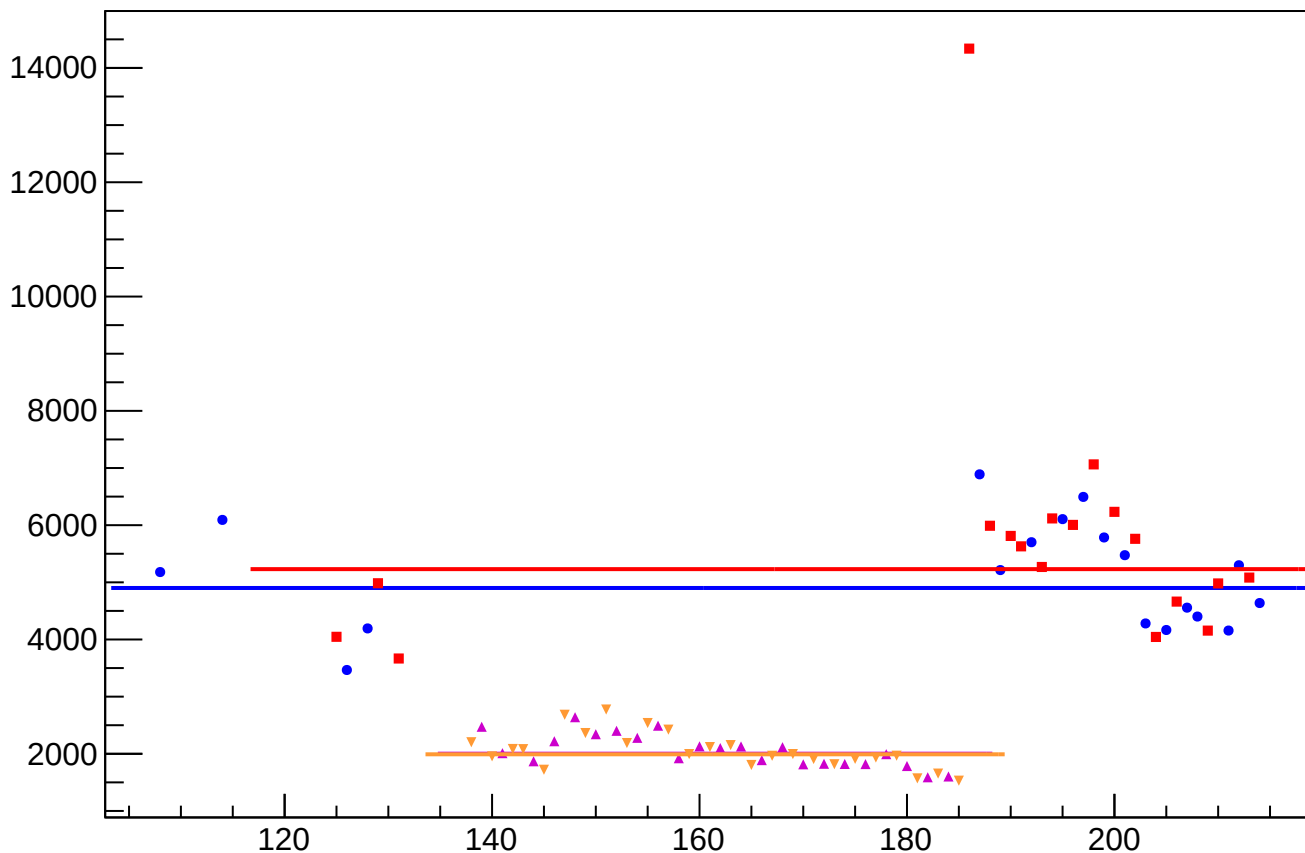
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1485.741 ± 449.065 χ^2/NDF : 62.9/42

All: -751.377 ± 322.868 χ^2/NDF : 121.2/83

- sign 34.458 ± 464.536 χ^2/NDF : 52.7/40

asym_sam2_correction_rms vs Slug



Right In: 4901.265+/-1.100 χ^2/NDF : 467328.0/17

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5231.026+/-1.176 χ^2/NDF : 835433.4/17

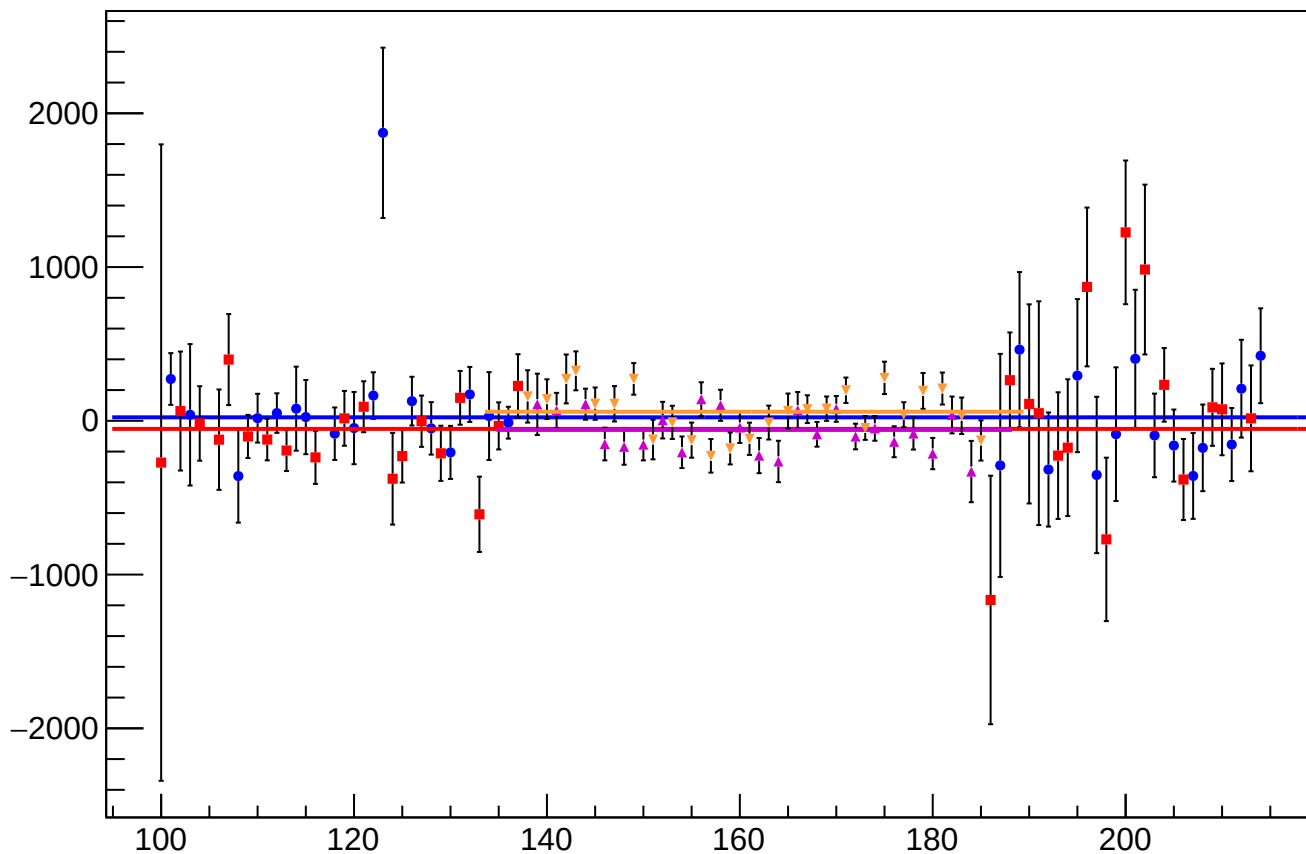
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2233.655+/-0.318 χ^2/NDF : 7610695.2/42

All: 2243.438+/-0.228 χ^2/NDF : 15980463.8/80

- sign 2253.906+/-0.328 χ^2/NDF : 8367803.8/40

reg_asym_sam3_mean vs Slug



Right In: 22.785 ± 39.169 χ^2/NDF : 28.7/30

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -52.460 ± 39.367 χ^2/NDF : 40.3/33

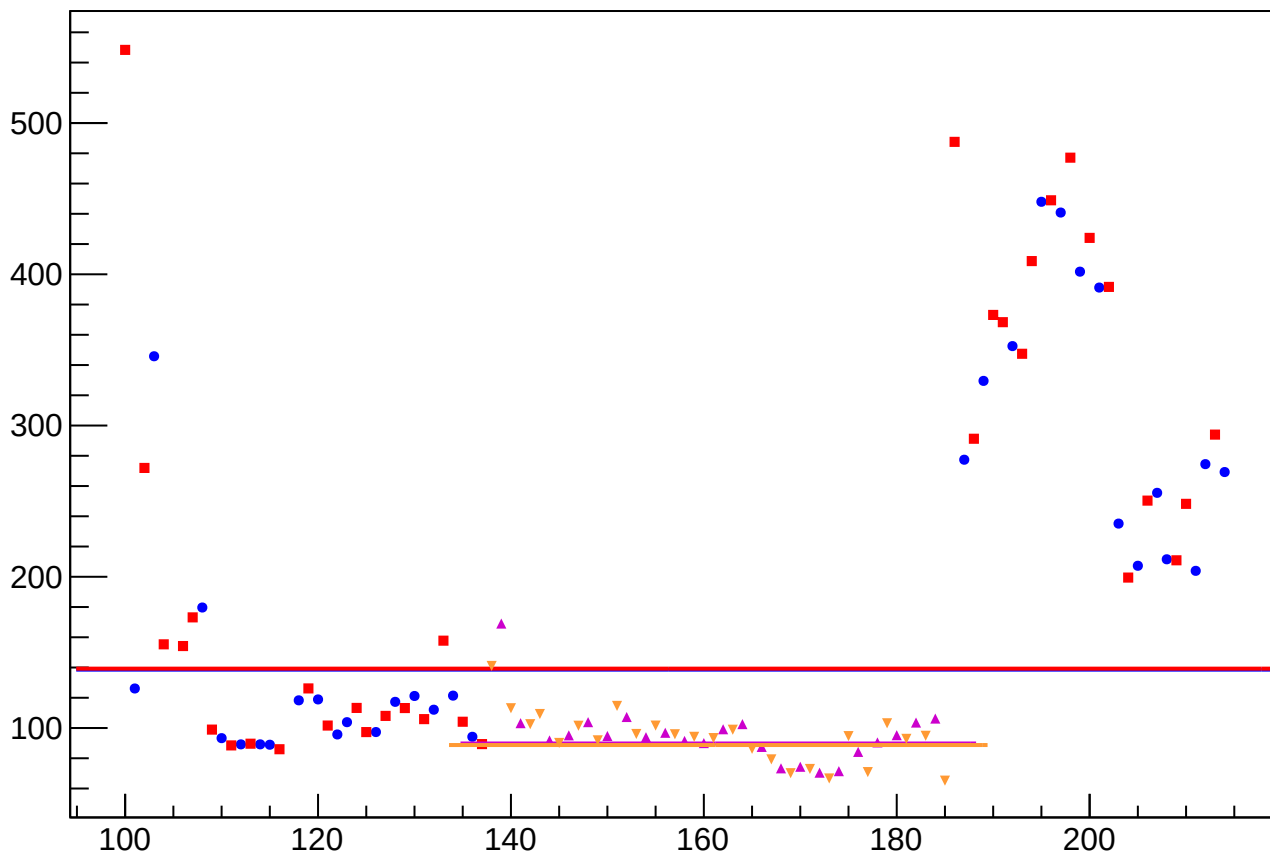
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 50.819 ± 18.602 χ^2/NDF : 76.3/55

All: -1.825 ± 13.344 χ^2/NDF : 162.5/112

- sign -57.631 ± 19.152 χ^2/NDF : 69.7/56

reg_asym_sam3_rms vs Slug



Right In: 138.604 $\pm$ 0.028 χ^2 /NDF: 7530499.2/30

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 139.259 $\pm$ 0.028 χ^2 /NDF: 8494304.9/33

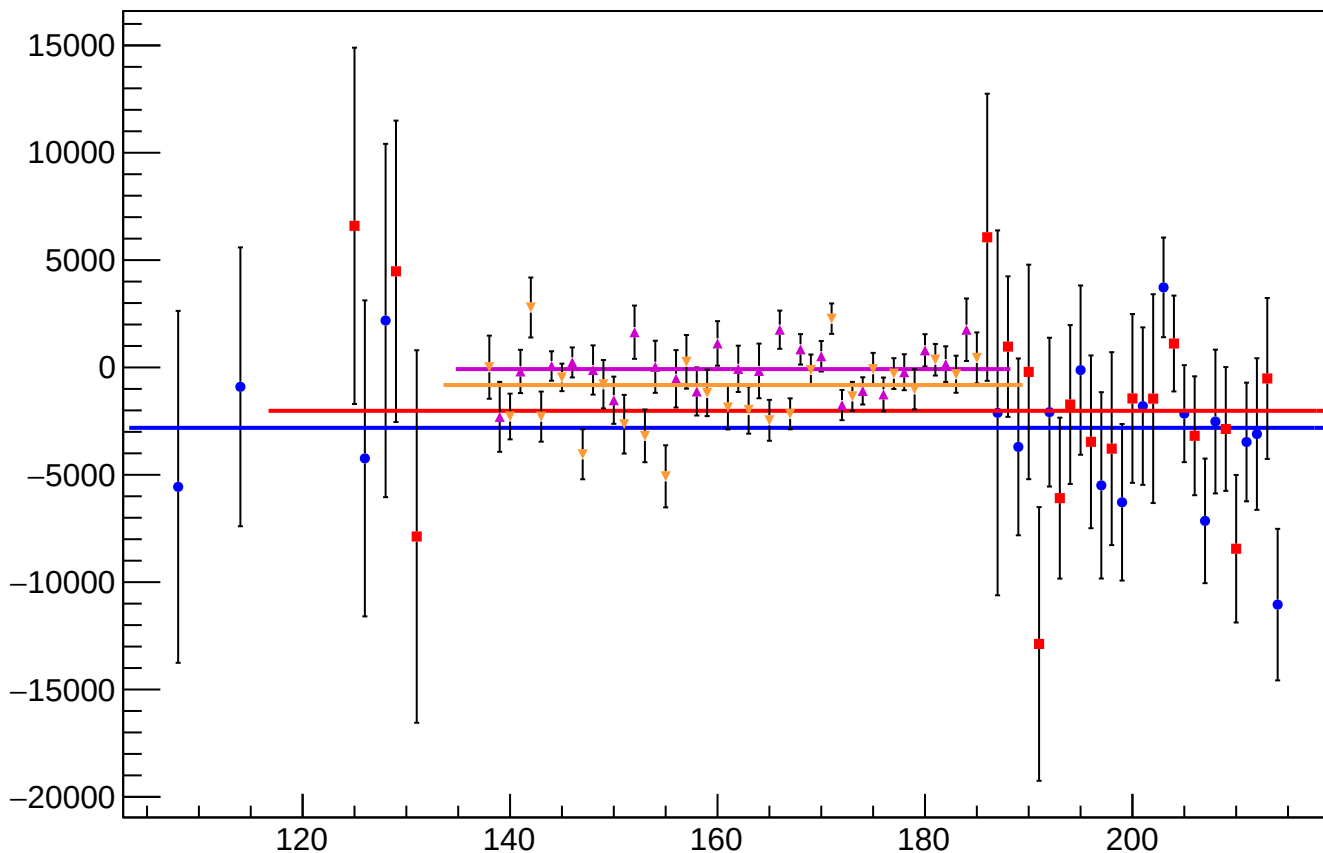
Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

+ sign 99.992 $\pm$ 0.013 χ^2 /NDF: 11119286.9/55

All: 100.714 $\pm$ 0.009 χ^2 /NDF: 22918577.6/11

- sign 101.480 $\pm$ 0.014 χ^2 /NDF: 11793084.6/56

asym_sam3_correction_mean vs Slug



Right In: -2812.192 $\pm$ 852.496 χ^2 /NDF: 18.3/17

Left Out: -818.877 $\pm$ 184.464 χ^2 /NDF: 68.2/24

Right Out: -2019.540 $\pm$ 913.490 χ^2 /NDF: 15.1/17

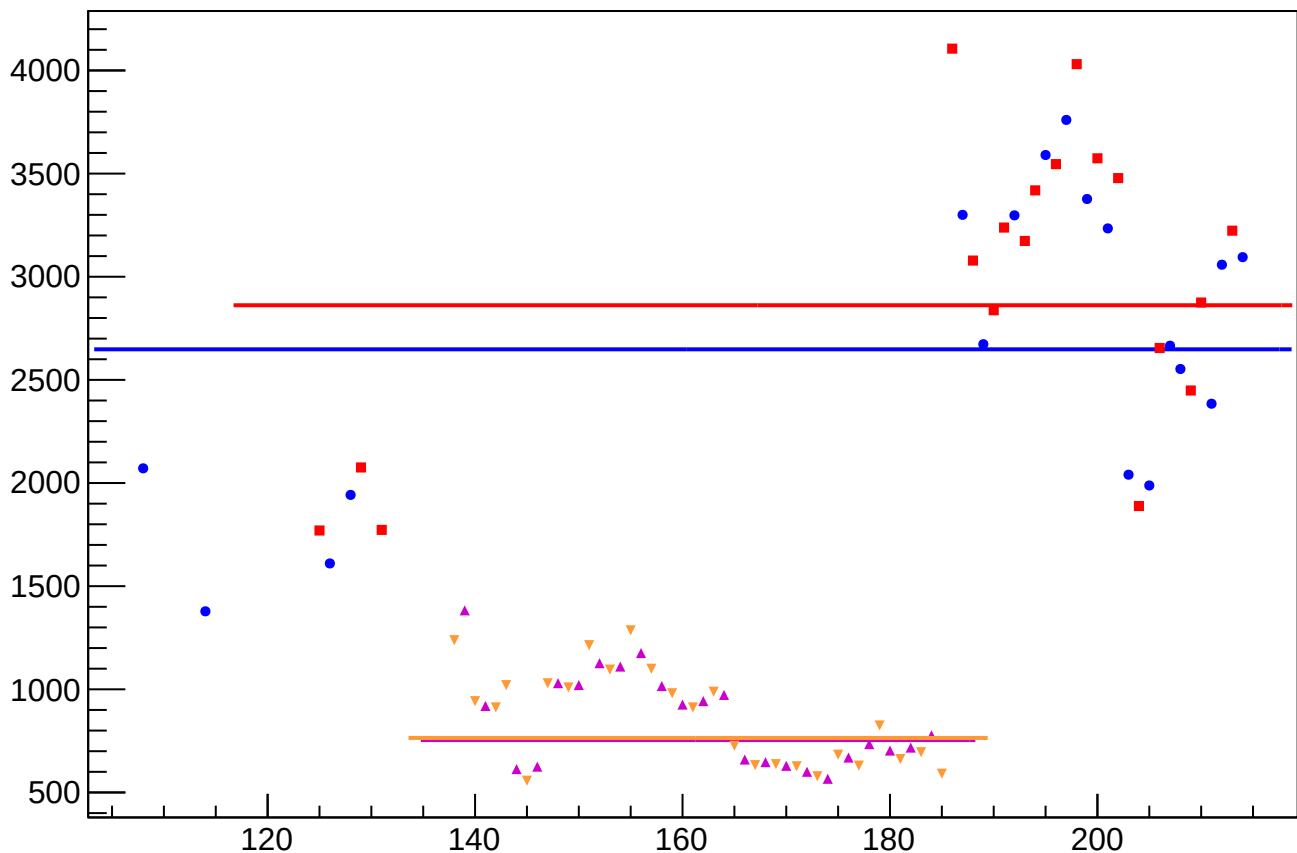
Left In: -76.204 $\pm$ 186.651 χ^2 /NDF: 28.3/22

+ sign -908.031 $\pm$ 180.292 χ^2 /NDF: 91.7/42

All: -536.416 $\pm$ 128.388 χ^2 /NDF: 148.1/83

- sign -154.086 $\pm$ 182.872 χ^2 /NDF: 47.7/40

asym_sam3_correction_rms vs Slug



Right In: 2648.155+/-0.603 χ^2 /NDF: 986246.1/17

Left Out: 764.280+/-0.130 χ^2 /NDF:2315985.8/24

Right Out: 2861.822+/-0.646 χ^2 /NDF: 977557.9/17

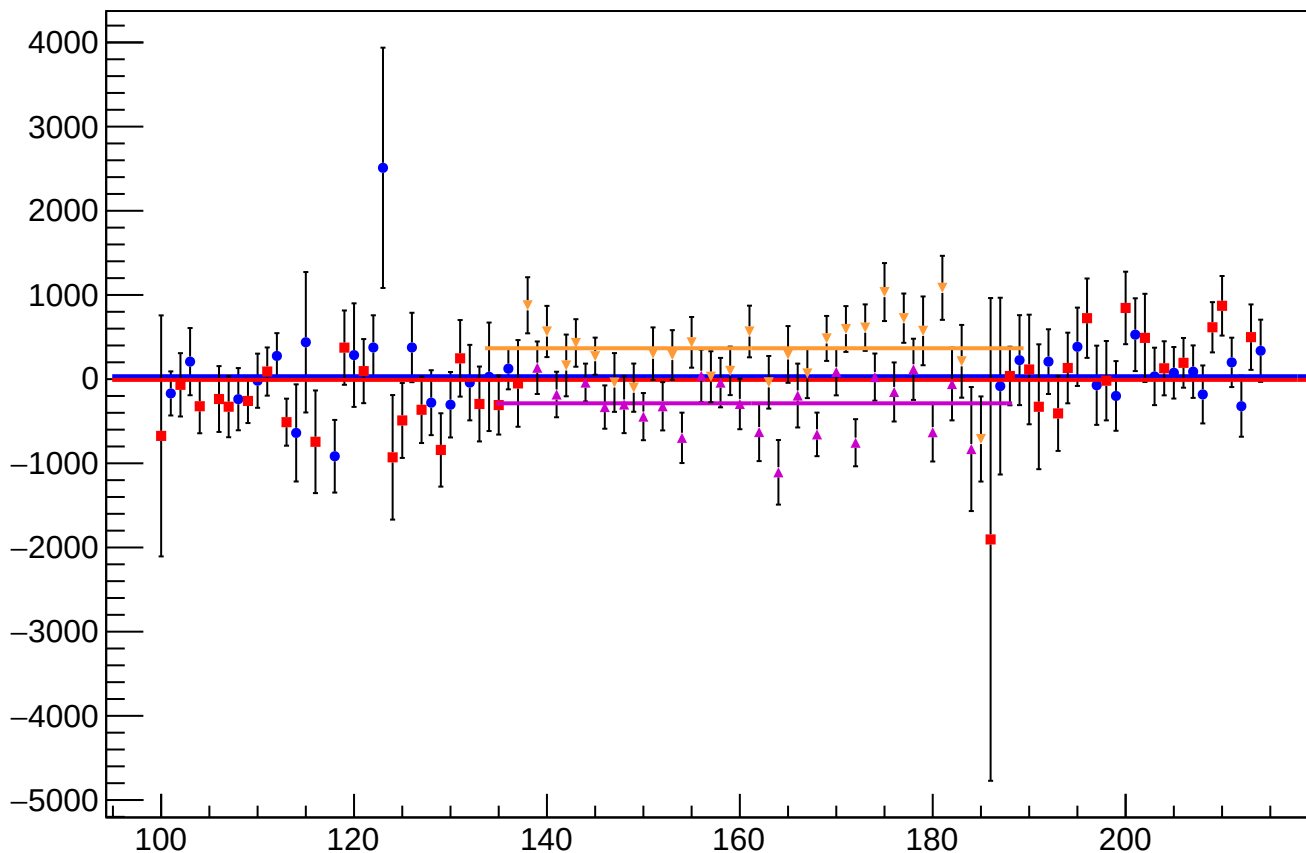
Left In: 754.027+/-0.132 χ^2 /NDF:2013386.7/22

+ sign 848.539+/-0.127 χ^2 /NDF: 12632138.1/42

All: 843.591+/-0.091 χ^2 /NDF: 25847679.2/83

- sign 838.500+/-0.129 χ^2 /NDF: 13212484.5/40

reg_asym_sam4_mean vs Slug



Right In: 34.650 $\pm$ 68.922 χ^2/NDF : 19.8/30

Left Out: 367.028 $\pm$ 61.943 χ^2/NDF : 28.2/24

Right Out: -8.868 $\pm$ 68.324 χ^2/NDF : 39.3/33

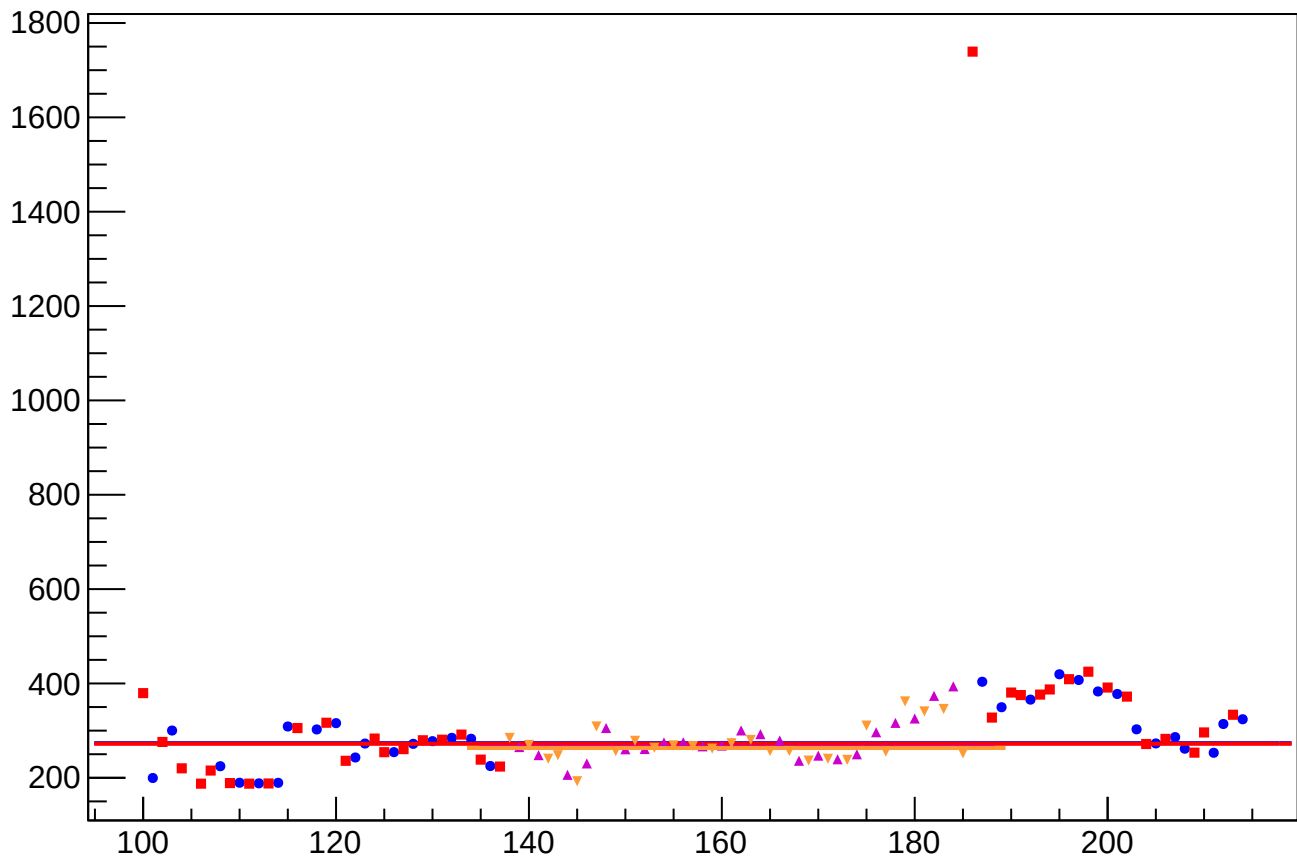
Left In: -287.246 $\pm$ 64.141 χ^2/NDF : 23.9/22

+ sign 218.513 $\pm$ 46.071 χ^2/NDF : 60.9/55

All: 33.636 $\pm$ 32.819 χ^2/NDF : 165.6/112

- sign -156.840 $\pm$ 46.763 χ^2/NDF : 72.0/56

reg_asym_sam4_rms vs Slug



Right In: 273.480+/-0.049 χ^2/NDF : 1593296.0/30

Left Out: 263.103+/-0.044 χ^2/NDF : 642226.0/24

Right Out: 272.132+/-0.048 χ^2/NDF : 2457373.7/33

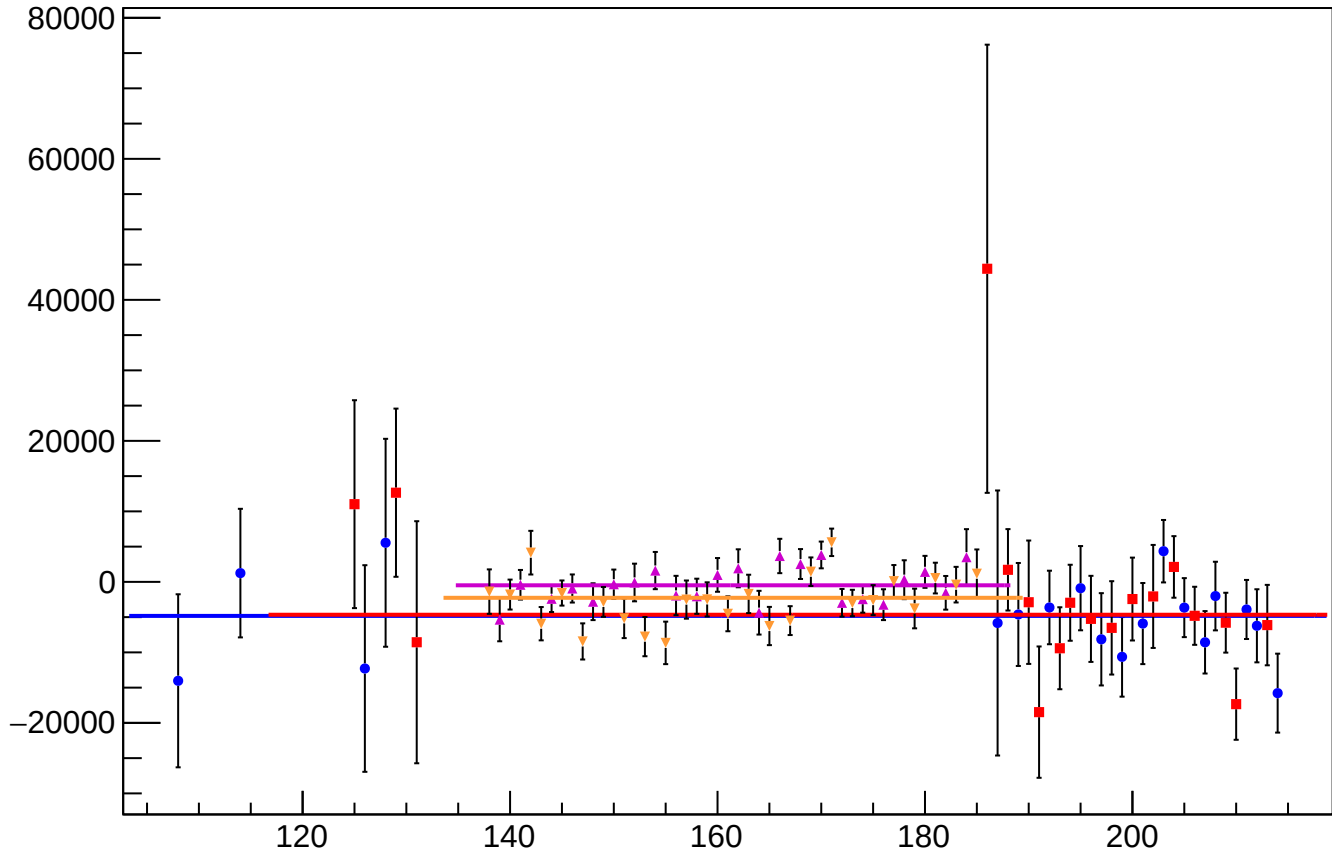
Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

+ sign 267.740+/-0.033 χ^2/NDF : 2260604.3/55

All: 268.016+/-0.023 χ^2/NDF : 5338985.3/112

- sign 268.300+/-0.033 χ^2/NDF : 3078235.2/56

asym_sam4_correction_mean vs Slug



Right In: -4825.563 ± 1377.928 χ^2/NDF : 13.0/17

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -4661.303 ± 1460.518 χ^2/NDF : 19.1/17

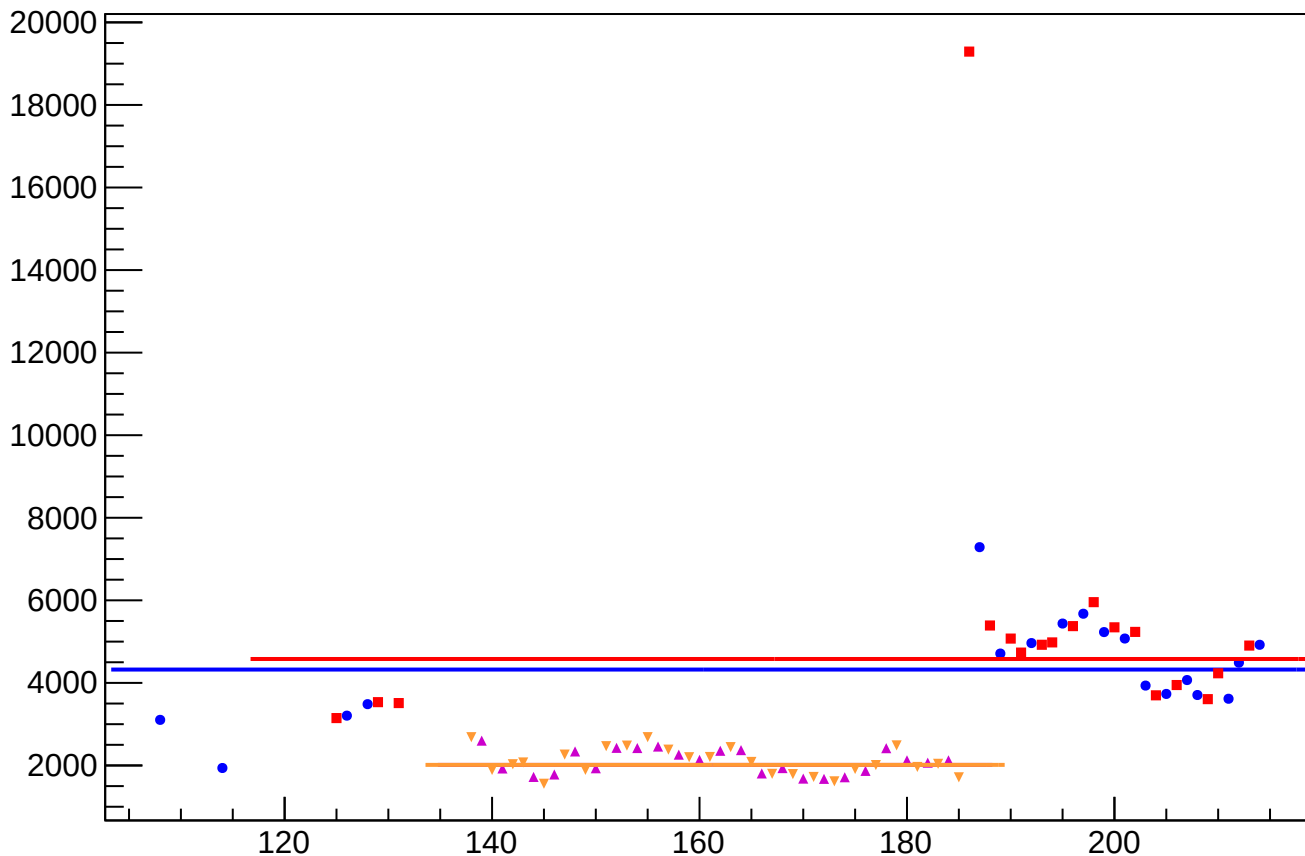
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2533.011 ± 449.350 χ^2/NDF : 68.4/42

All: -1741.862 ± 322.250 χ^2/NDF : 126.0/83

- sign -904.128 ± 462.391 χ^2/NDF : 51.2/40

asym_sam4_correction_rms vs Slug



Right In: 4323.198+/-0.974 χ^2/NDF : 677052.9/17

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4579.156+/-1.033 χ^2/NDF : 954937.3/17

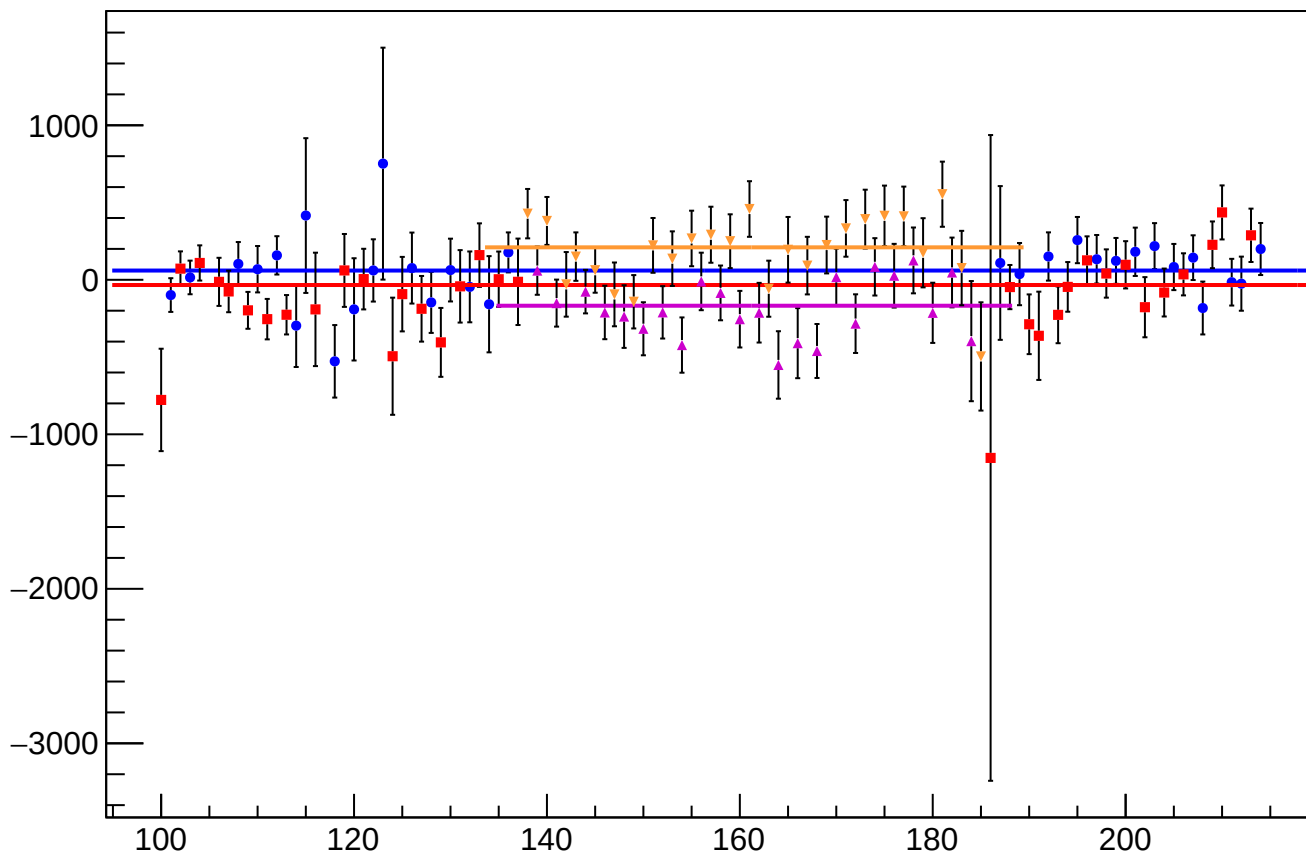
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2259.666+/-0.318 χ^2/NDF : 6531853.2/42

All: 2264.895+/-0.228 χ^2/NDF : 13703731.4/8

- sign 2270.430+/-0.327 χ^2/NDF : 7171320.8/40

reg_asym_sam5_mean vs Slug



Right In: 59.877 ± 30.400 χ^2/NDF : 23.4/30

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -33.746 ± 29.239 χ^2/NDF : 41.8/33

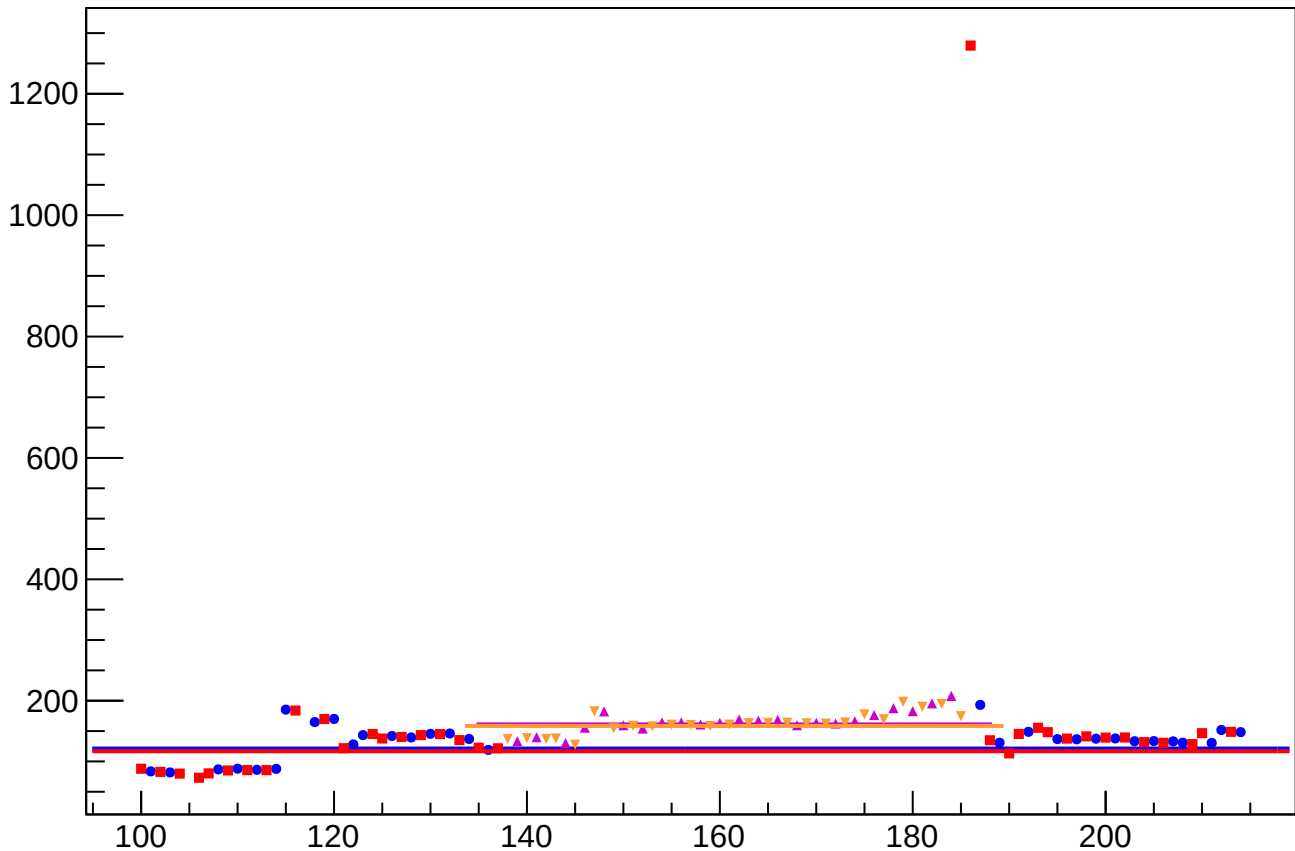
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 120.230 ± 23.513 χ^2/NDF : 60.7/55

All: 18.118 ± 16.562 χ^2/NDF : 168.7/112

- sign -82.440 ± 23.333 χ^2/NDF : 70.6/56

reg_asym_sam5_rms vs Slug



Right In: 121.180 $\pm$ 0.021 χ^2 /NDF: 1508555.4/30

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 116.705 $\pm$ 0.021 χ^2 /NDF: 2553871.8/33

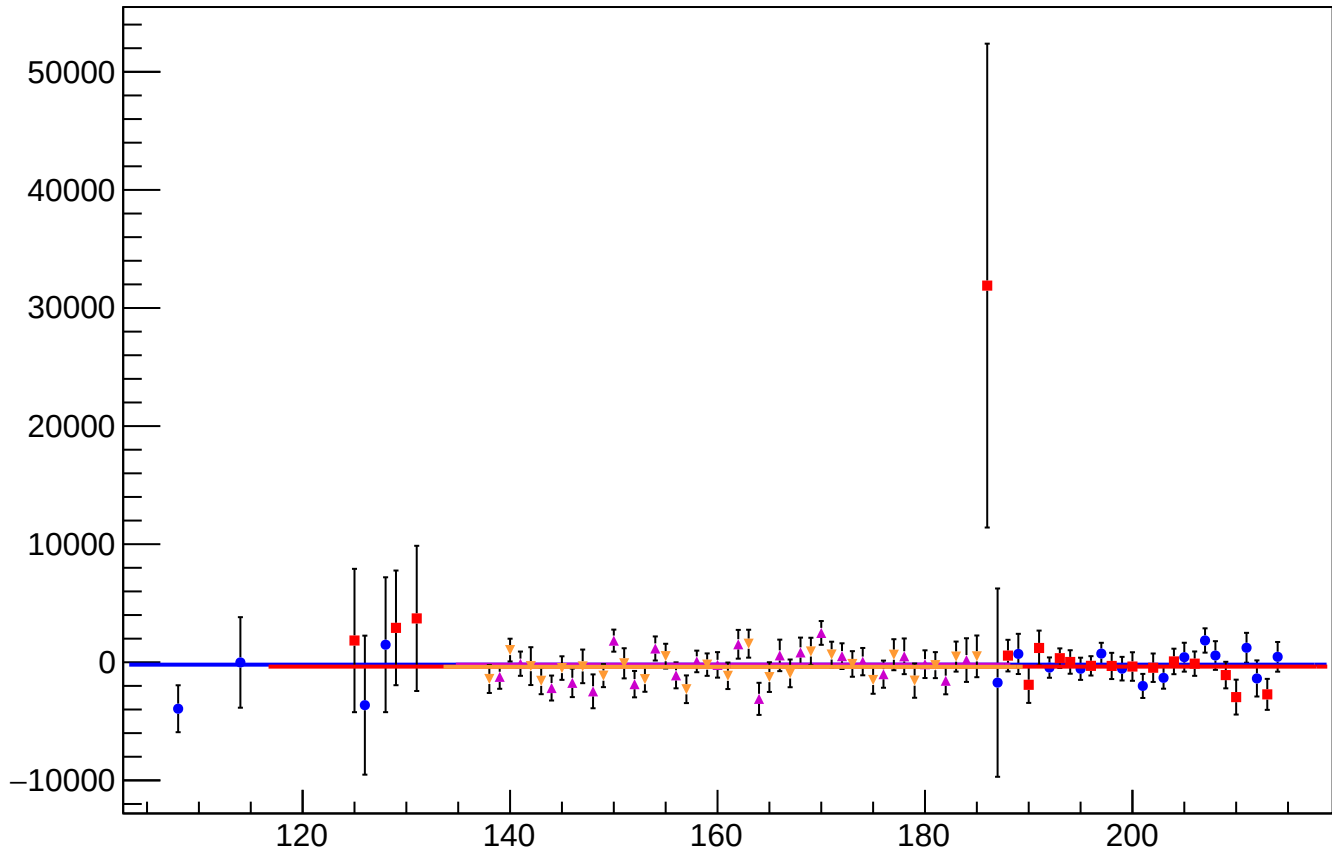
Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

+ sign 136.151 $\pm$ 0.017 χ^2 /NDF: 3150027.1/55

All: 134.449 $\pm$ 0.012 χ^2 /NDF: 7767392.3/112

- sign 132.773 $\pm$ 0.016 χ^2 /NDF: 4596567.2/56

asym_sam5_correction_mean vs Slug



Right In: -201.998+/-294.328 χ^2/NDF : 17.0/17

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: -368.797+/-297.398 χ^2/NDF : 14.0/17

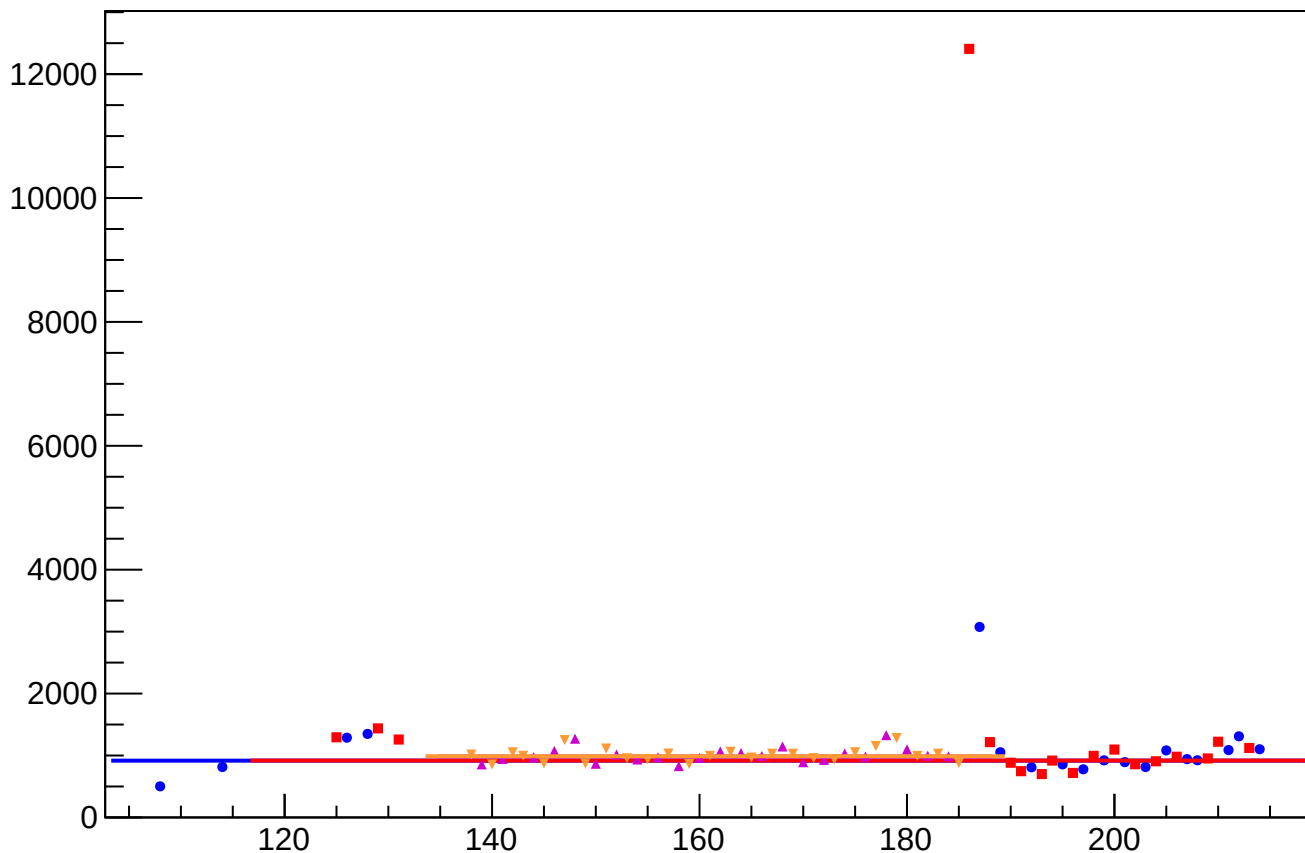
Left In: -202.234+/-237.460 χ^2/NDF : 35.5/22

+ sign -314.944+/-182.122 χ^2/NDF : 35.3/42

All: -291.461+/-129.980 χ^2/NDF : 85.0/83

- sign -267.081+/-185.564 χ^2/NDF : 49.6/40

asym_sam5_correction_rms vs Slug



Right In: 917.149 $\pm$ 0.208 χ^2 /NDF: 629154.2/17

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 918.619 $\pm$ 0.210 χ^2 /NDF: 1248760.4/17

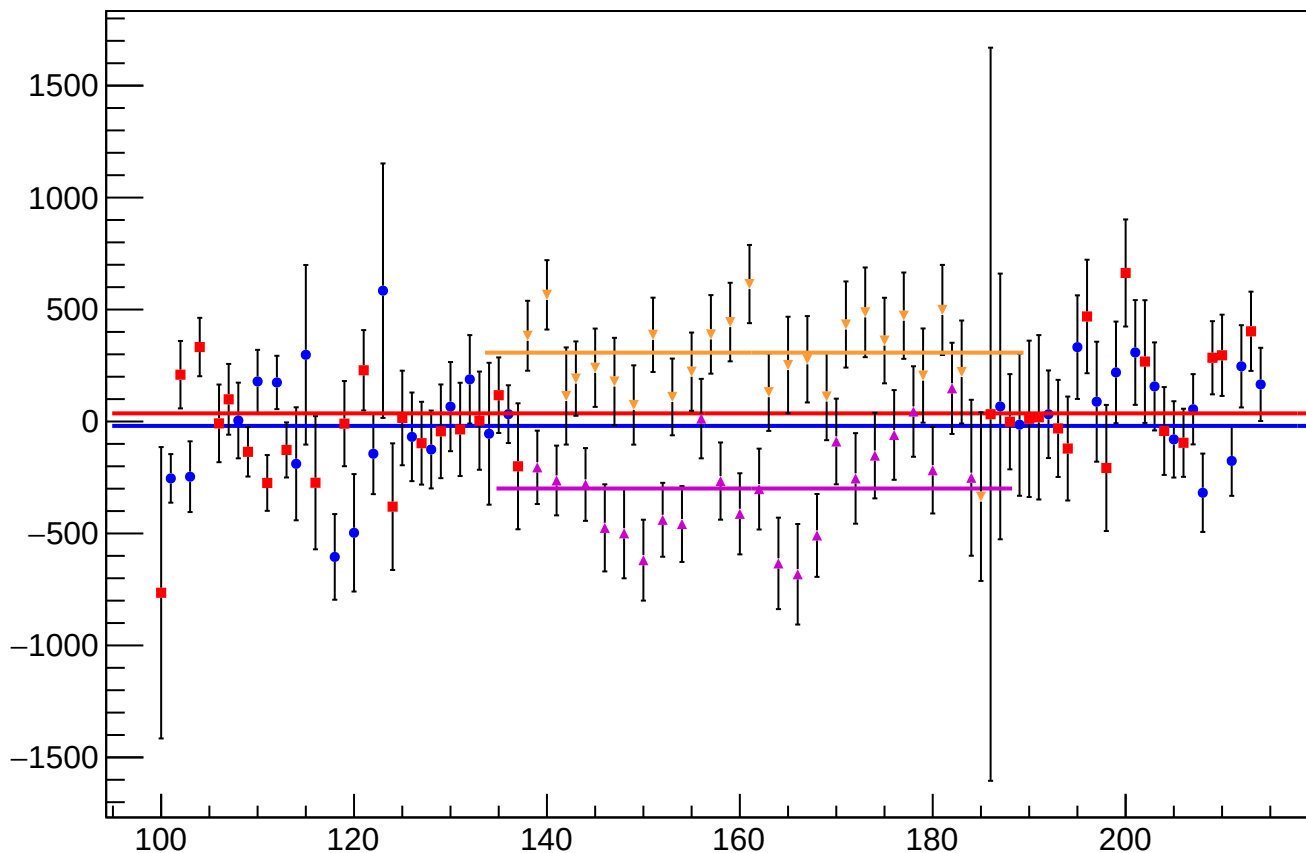
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 960.792 $\pm$ 0.129 χ^2 /NDF: 1077367.5/42

All: 959.658 $\pm$ 0.092 χ^2 /NDF: 2801389.1/83

- sign 958.480 $\pm$ 0.131 χ^2 /NDF: 1723863.4/40

reg_asym_sam6_mean vs Slug



Right In: -19.657 ± 33.170 χ^2/NDF : 42.7/30

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: 36.304 ± 32.516 χ^2/NDF : 46.2/33

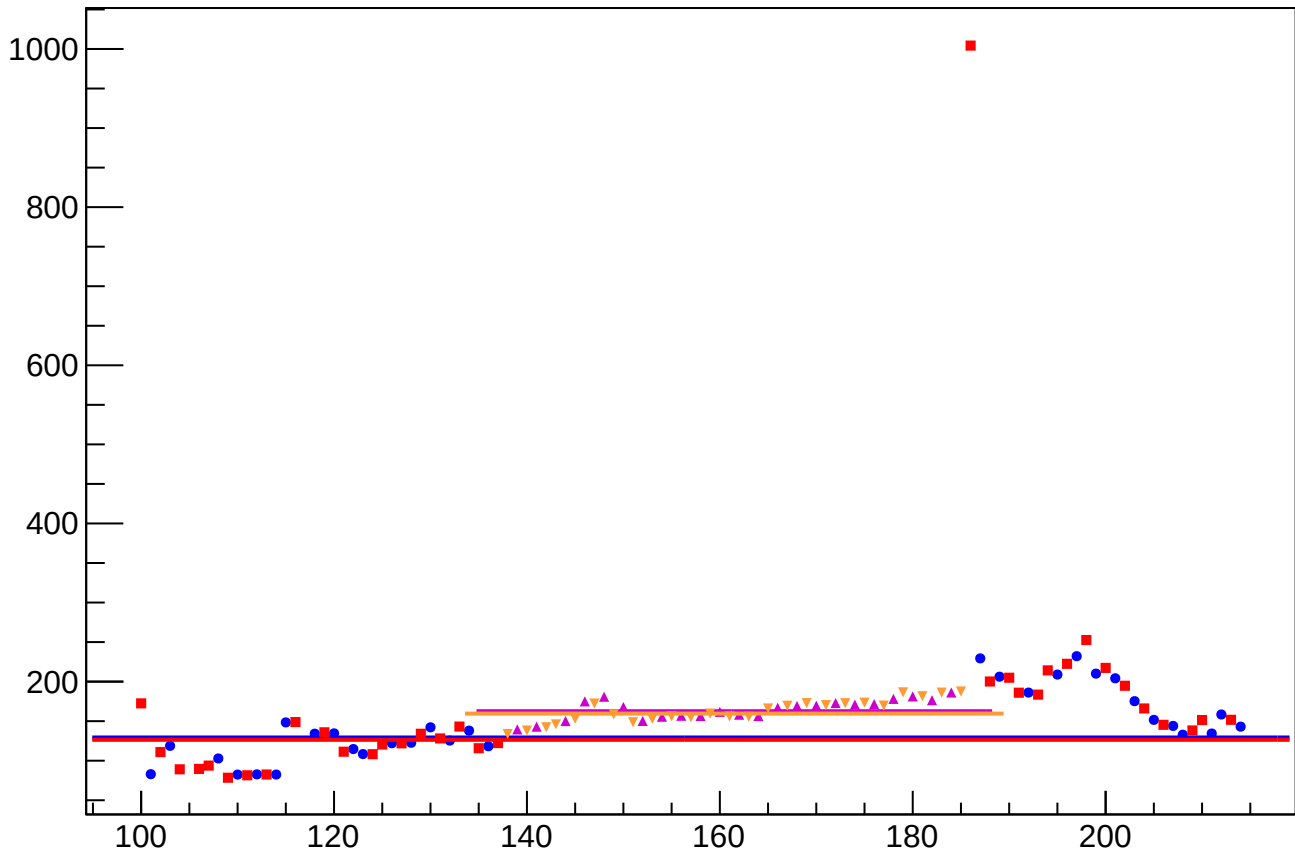
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 124.906 ± 24.780 χ^2/NDF : 106.4/55

All: 12.727 ± 17.591 χ^2/NDF : 266.1/112

- sign -101.238 ± 24.977 χ^2/NDF : 118.4/56

reg_asym_sam6_rms vs Slug



Right In: 129.363 $\pm$ 0.023 χ^2 /NDF: 2633417.0/30

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF:287744.2/24

Right Out: 126.419 $\pm$ 0.023 χ^2 /NDF: 4025252.3/33

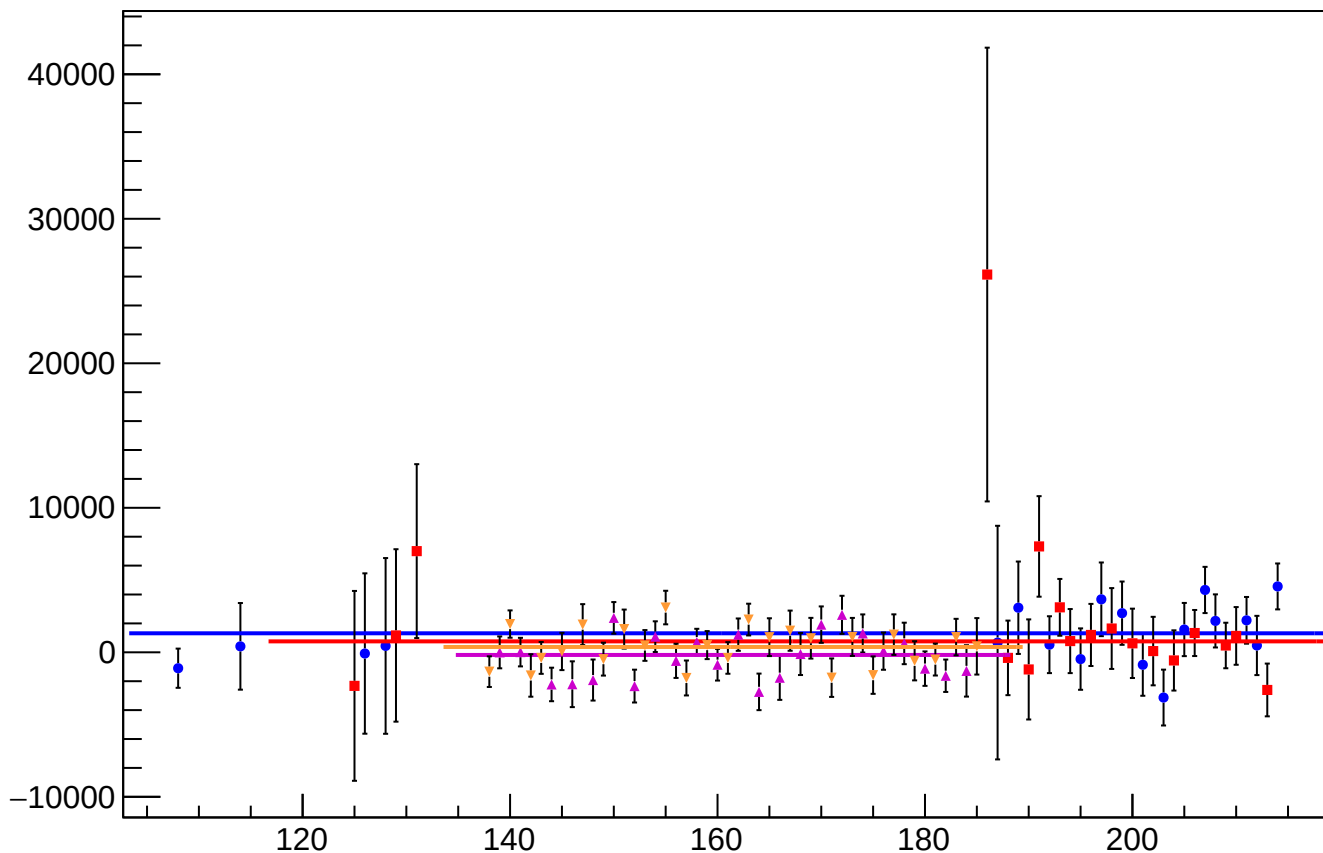
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF:199542.3/22

+ sign 142.711 $\pm$ 0.018 χ^2 /NDF: 3653998.5/55

All: 141.988 $\pm$ 0.012 χ^2 /NDF: 8897756.3/112

- sign 141.255 $\pm$ 0.018 χ^2 /NDF: 5240331.5/56

asym_sam6_correction_mean vs Slug



Right In: 1315.859 $\pm$ 490.615 χ^2 /NDF: 20.5/17

Left Out: 370.001 $\pm$ 243.521 χ^2 /NDF:30.5/24

Right Out: 756.880 $\pm$ 564.742 χ^2 /NDF: 13.7/17

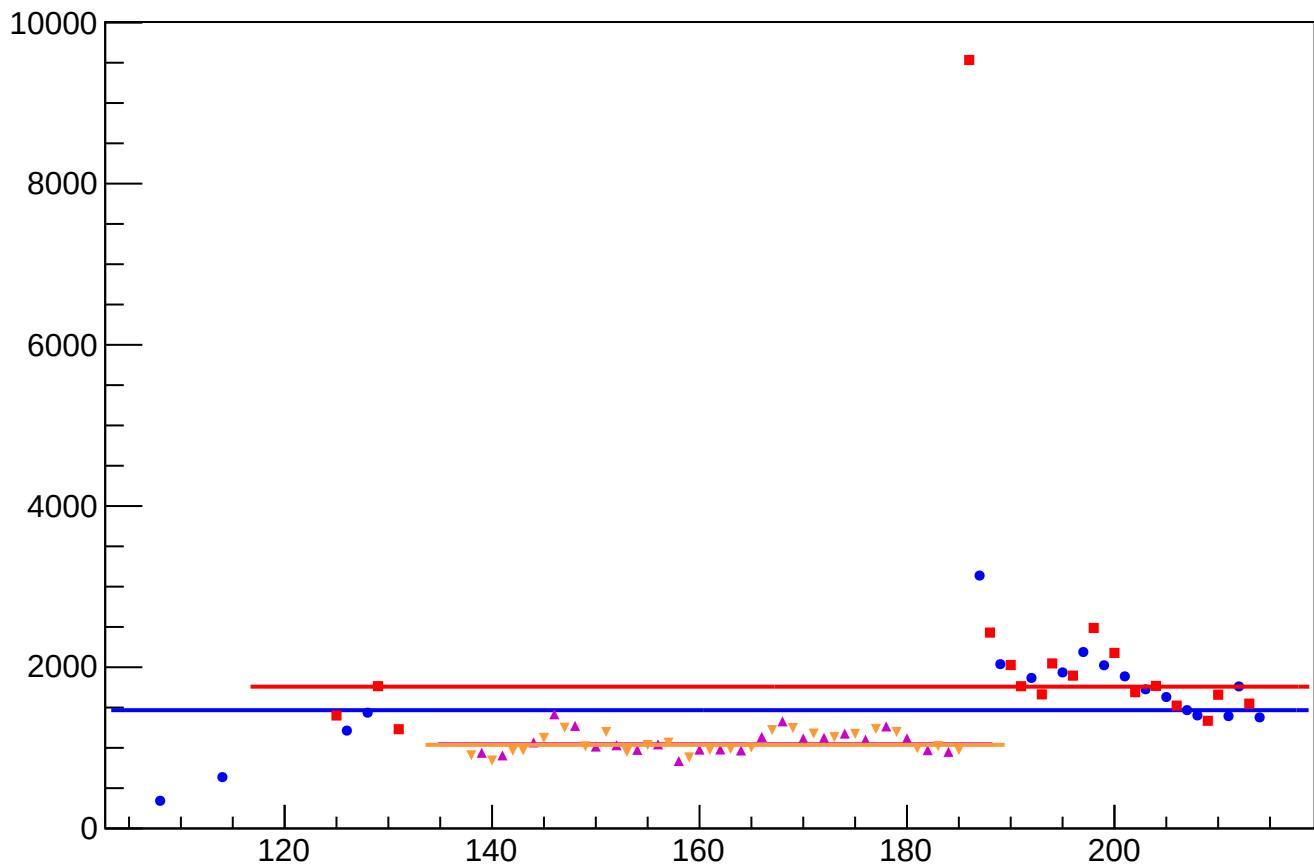
Left In: -183.107 $\pm$ 252.258 χ^2 /NDF:36.5/22

+ sign 556.969 $\pm$ 218.128 χ^2 /NDF: 54.0/42

All: 280.971 $\pm$ 158.376 χ^2 /NDF: 109.8/83

- sign -26.755 $\pm$ 230.325 χ^2 /NDF: 52.4/40

asym_sam6_correction_rms vs Slug



Right In: 1467.321+/-0.347 χ^2/NDF : 2333345.7/17

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1759.145+/-0.399 χ^2/NDF : 1123831.4/17

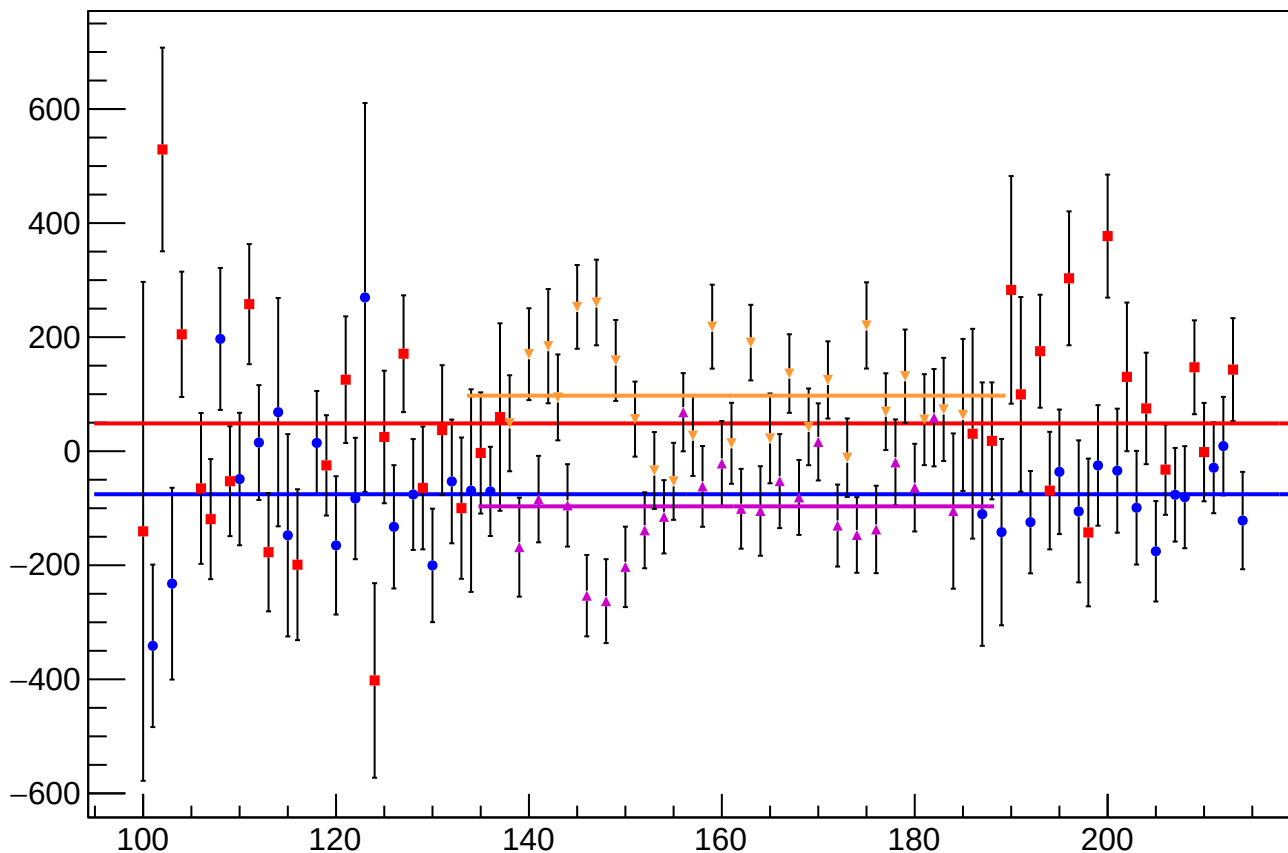
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1122.615+/-0.154 χ^2/NDF : 4058862.1/42

All: 1141.982+/-0.112 χ^2/NDF : 8427467.9/83

- sign 1163.575+/-0.163 χ^2/NDF : 4335260.9/40

reg_asym_sam7_mean vs Slug



Right In: -75.455 $\pm$ 19.350 χ^2 /NDF: 19.1/30

Left Out: 97.445 $\pm$ 14.880 χ^2 /NDF:36.0/24

Right Out: 48.759 $\pm$ 19.214 χ^2 /NDF: 63.5/33

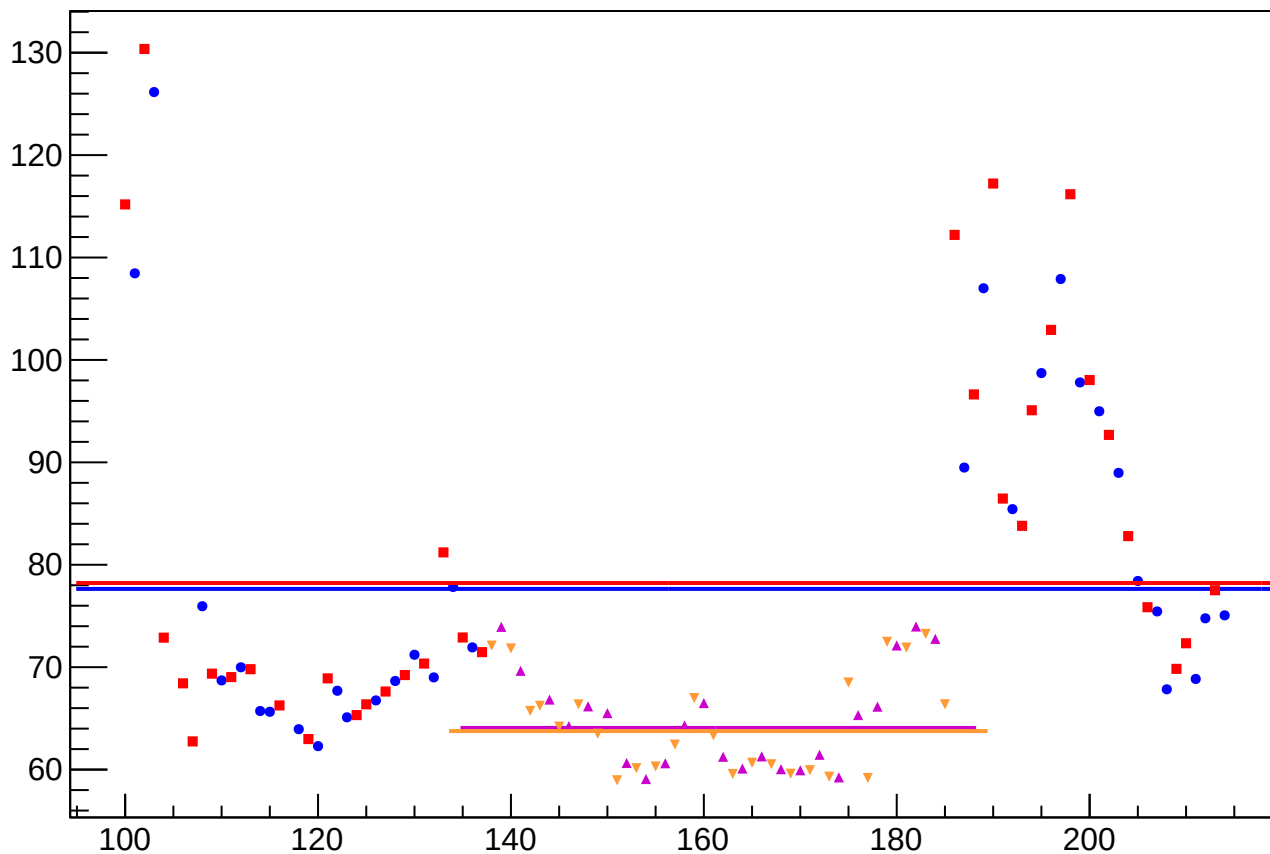
Left In: -96.704 $\pm$ 15.369 χ^2 /NDF:29.2/22

+ sign 33.198 $\pm$ 11.796 χ^2 /NDF: 105.3/55

All: -2.740 $\pm$ 8.413 χ^2 /NDF: 251.8/112

- sign -39.948 $\pm$ 12.002 χ^2 /NDF: 127.6/56

reg_asym_sam7_rms vs Slug



Right In: 77.642 $\pm$ 0.014 χ^2 /NDF: 947437.2/30

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF: 192803.8/24

Right Out: 78.217 $\pm$ 0.014 χ^2 /NDF: 1128759.0/33

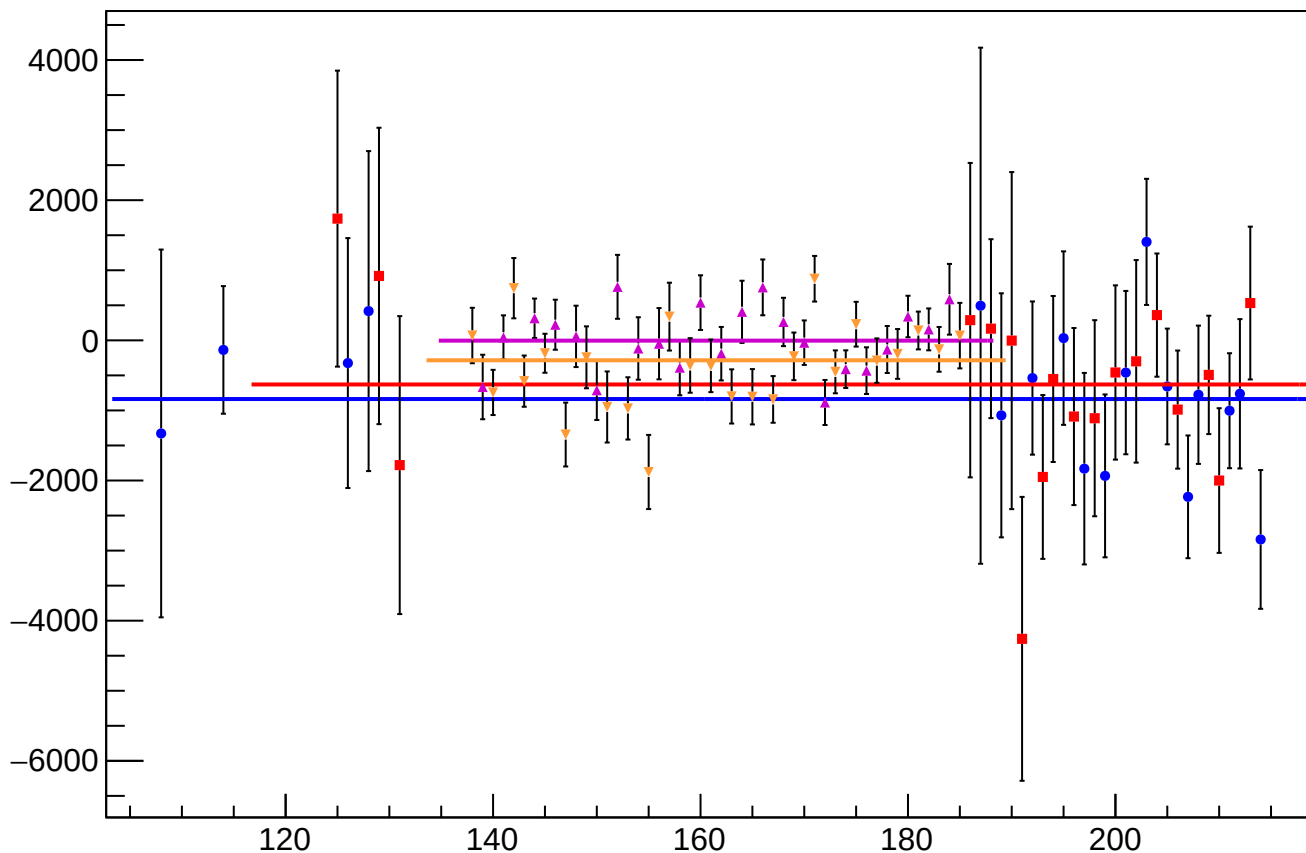
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

+ sign 68.919 $\pm$ 0.008 χ^2 /NDF: 1787007.8/55

All: 69.248 $\pm$ 0.006 χ^2 /NDF: 3744904.9/112

- sign 69.589 $\pm$ 0.008 χ^2 /NDF: 1954728.4/56

asym_sam7_correction_mean vs Slug



Right In: -837.391+/-265.516 χ^2/NDF : 16.2/17

Left Out: -284.304+/-72.732 χ^2/NDF : 55.1/24

Right Out: -629.493+/-295.008 χ^2/NDF : 11.9/17

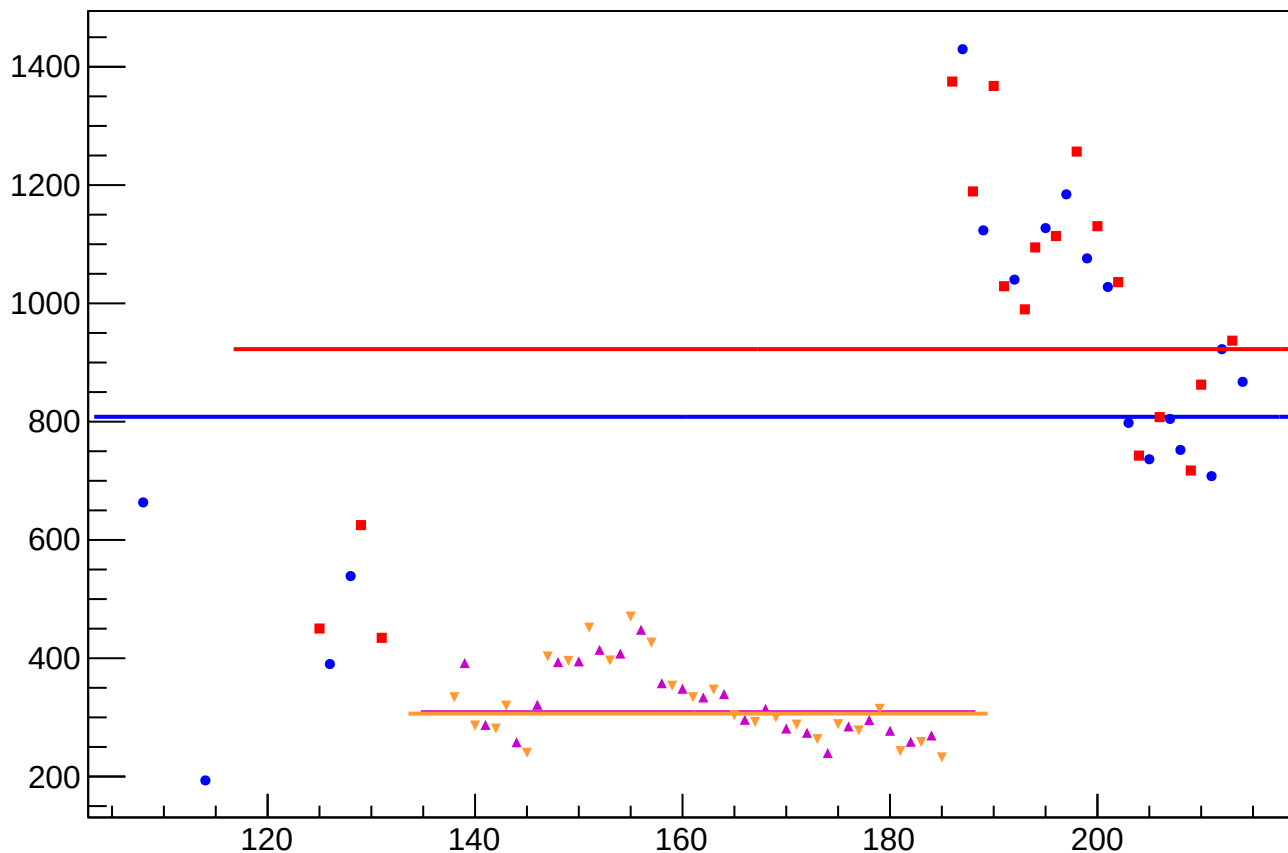
Left In: -4.037+/-75.084 χ^2/NDF : 32.4/22

+ sign -322.909+/-70.148 χ^2/NDF : 75.3/42

All: -187.638+/-50.502 χ^2/NDF : 131.5/83

- sign -42.088+/-72.764 χ^2/NDF : 48.5/40

asym_sam7_correction_rms vs Slug



Right In: 808.189+/-0.188 χ^2/NDF : 1811865.6/17

Left Out: 306.363+/-0.051 χ^2/NDF :1215669.9/24

Right Out: 922.631+/-0.209 χ^2/NDF : 1010879.1/17

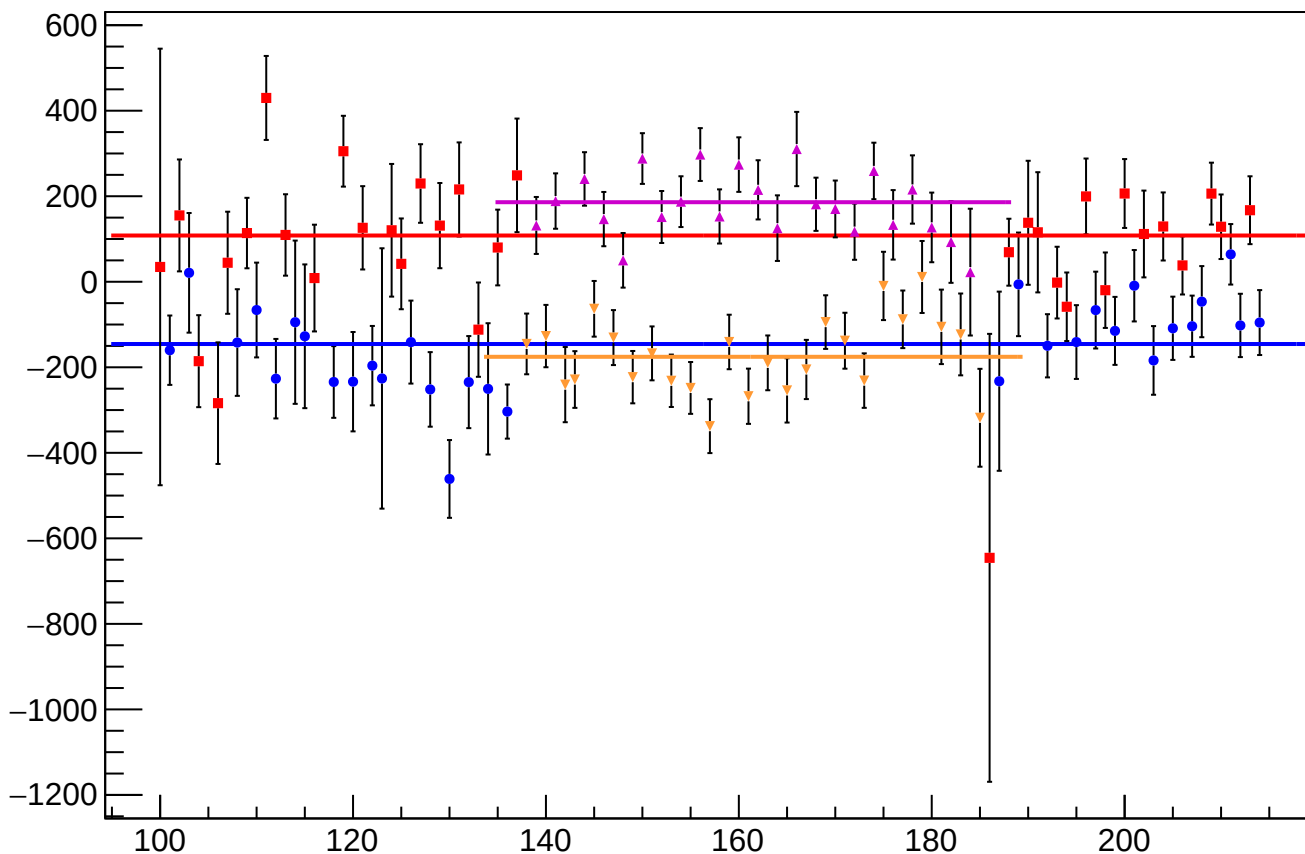
Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

+ sign 341.390+/-0.050 χ^2/NDF : 9673108.6/42

All: 343.647+/-0.036 χ^2/NDF : 19825261.4/83

- sign 346.075+/-0.051 χ^2/NDF : 10147855.4/40

reg_asym_sam8_mean vs Slug



Right In: -145.579 ± 16.495 χ^2/NDF : 42.7/30

Left Out: -175.471 ± 13.846 χ^2/NDF : 34.6/24

Right Out: 108.165 ± 16.636 χ^2/NDF : 57.6/33

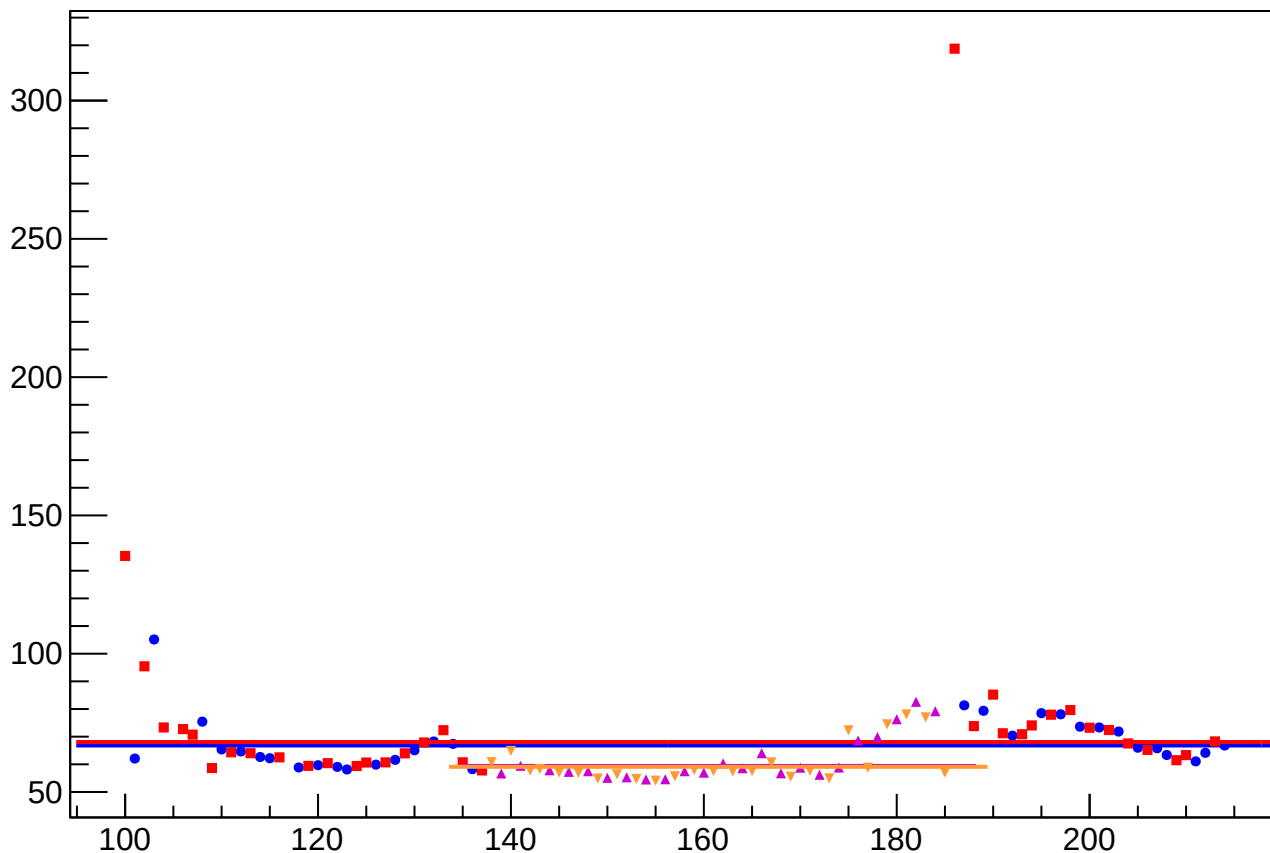
Left In: 186.047 ± 14.315 χ^2/NDF : 23.6/22

+ sign -163.116 ± 10.605 χ^2/NDF : 79.2/55

All: -8.726 ± 7.584 χ^2/NDF : 606.8/112

- sign 152.914 ± 10.851 χ^2/NDF : 93.7/56

reg_asym_sam8_rms vs Slug



Right In: 66.814 $\pm$ 0.012 χ^2 /NDF: 424810.7/30

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 68.062 $\pm$ 0.012 χ^2 /NDF: 872390.7/33

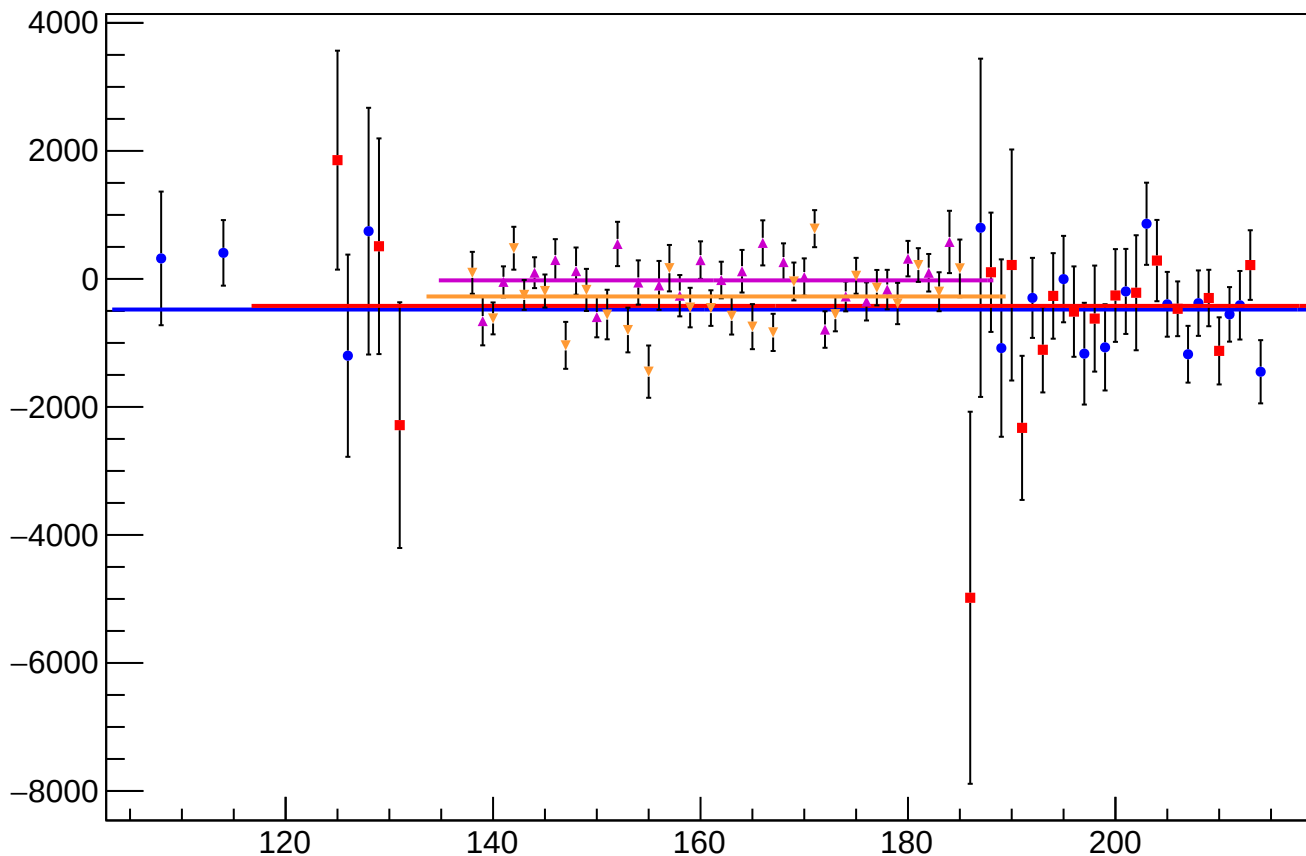
Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

+ sign 62.288 $\pm$ 0.007 χ^2 /NDF: 1051214.5/55

All: 62.680 $\pm$ 0.005 χ^2 /NDF: 2613080.8/112

- sign 63.091 $\pm$ 0.008 χ^2 /NDF: 1556259.3/56

asym_sam8_correction_mean vs Slug



Right In: -478.197 $\pm$ 148.747 χ^2 /NDF: 17.7/17

Left Out: -274.091 $\pm$ 60.799 χ^2 /NDF: 53.9/24

Right Out: -421.418 $\pm$ 170.170 χ^2 /NDF: 14.6/17

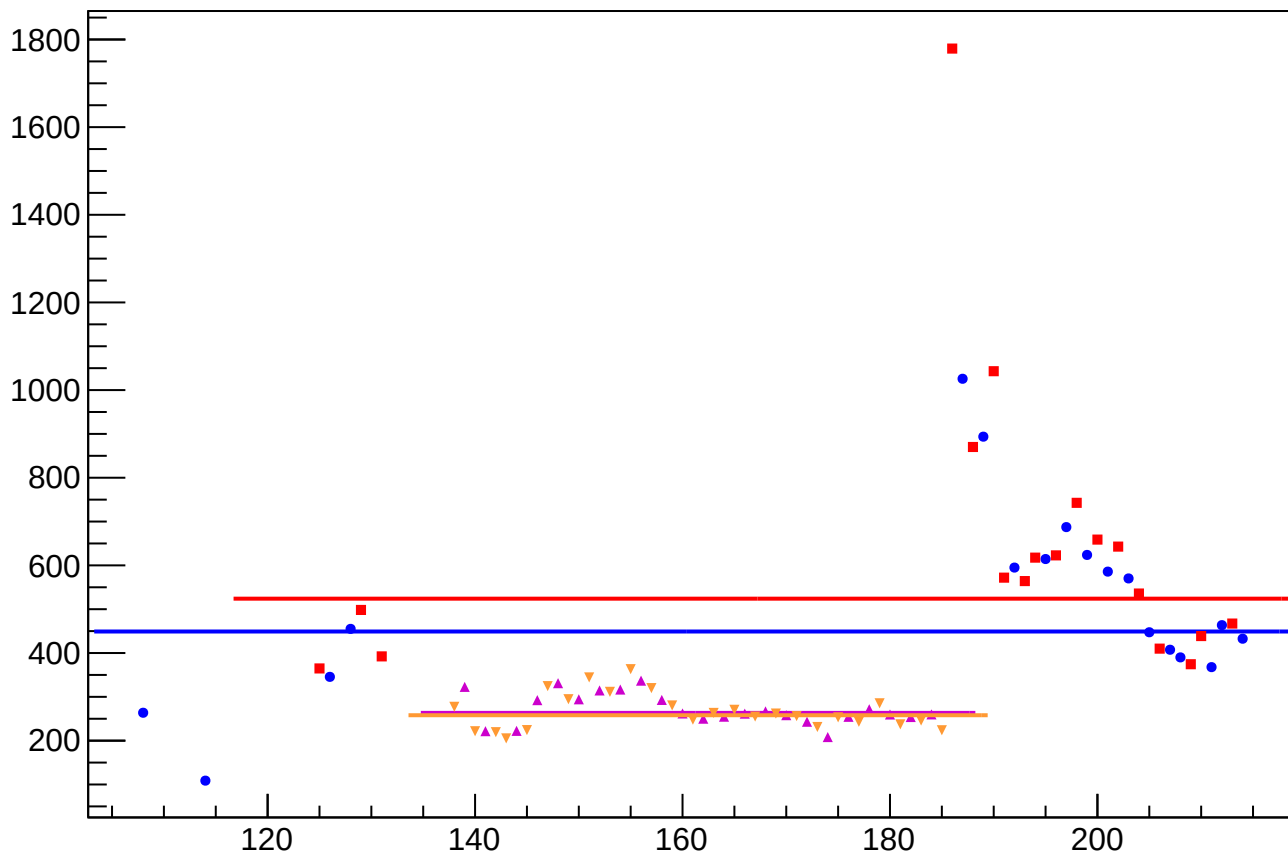
Left In: -22.631 $\pm$ 63.643 χ^2 /NDF: 28.9/22

+ sign -303.309 $\pm$ 56.279 χ^2 /NDF: 73.2/42

All: -194.093 $\pm$ 40.923 χ^2 /NDF: 129.5/83

- sign -71.566 $\pm$ 59.610 χ^2 /NDF: 48.3/40

asym_sam8_correction_rms vs Slug



Right In: 449.103+/-0.105 χ^2/NDF : 2074862.7/17

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 524.025+/-0.120 χ^2/NDF : 1622066.1/17

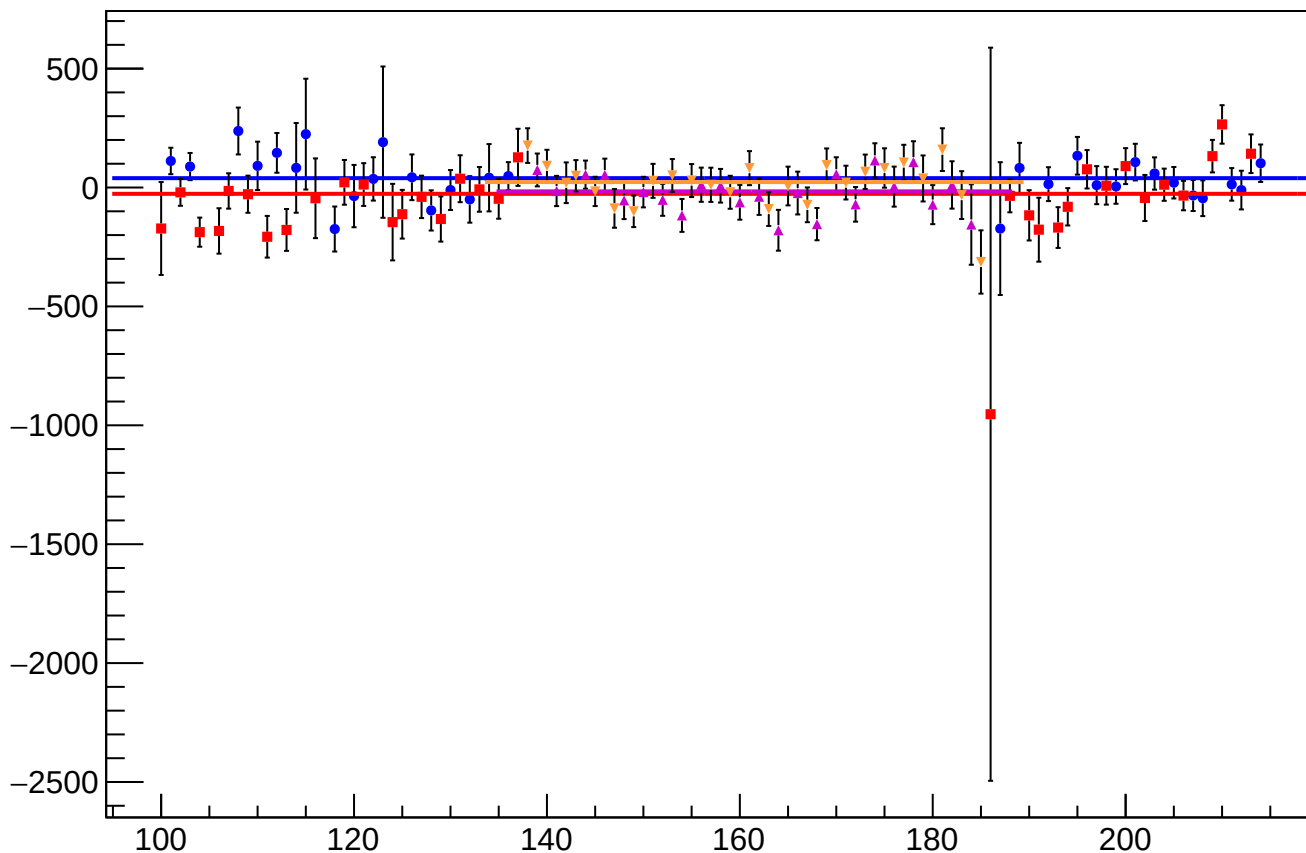
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 285.391+/-0.040 χ^2/NDF : 5627089.8/42

All: 290.098+/-0.029 χ^2/NDF : 11980209.9/83

- sign 295.378+/-0.042 χ^2/NDF : 6323439.8/40

reg_asym_sam_15_avg_mean vs Slug



Right In: 39.364 ± 14.894 χ^2/NDF : 25.7/30

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -26.511 ± 14.691 χ^2/NDF : 55.4/33

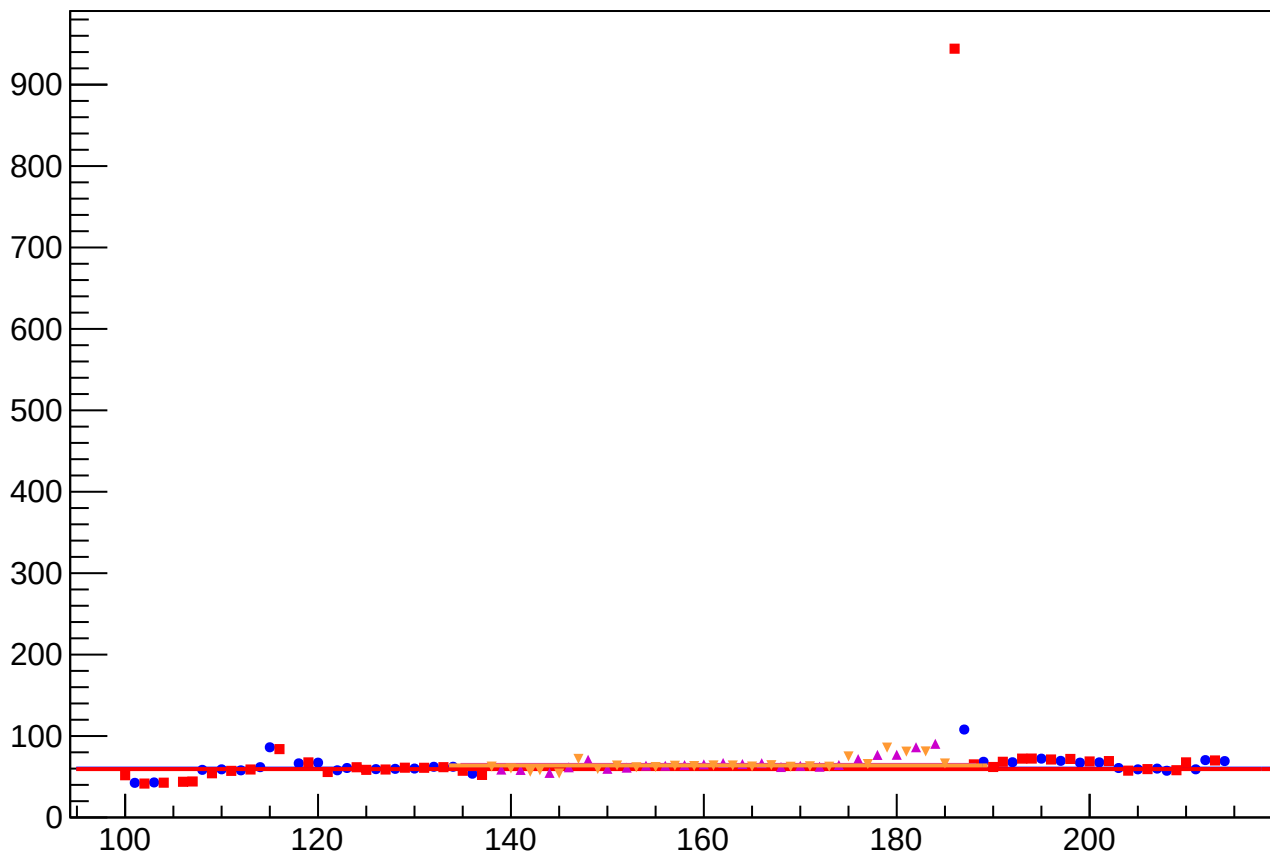
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 31.159 ± 10.557 χ^2/NDF : 55.3/55

All: 5.046 ± 7.506 χ^2/NDF : 146.6/112

- sign -21.641 ± 10.673 χ^2/NDF : 78.9/56

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.961 $\pm$ 0.011 χ^2 /NDF: 717897.0/30

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 59.394 $\pm$ 0.010 χ^2 /NDF: 1552902.9/33

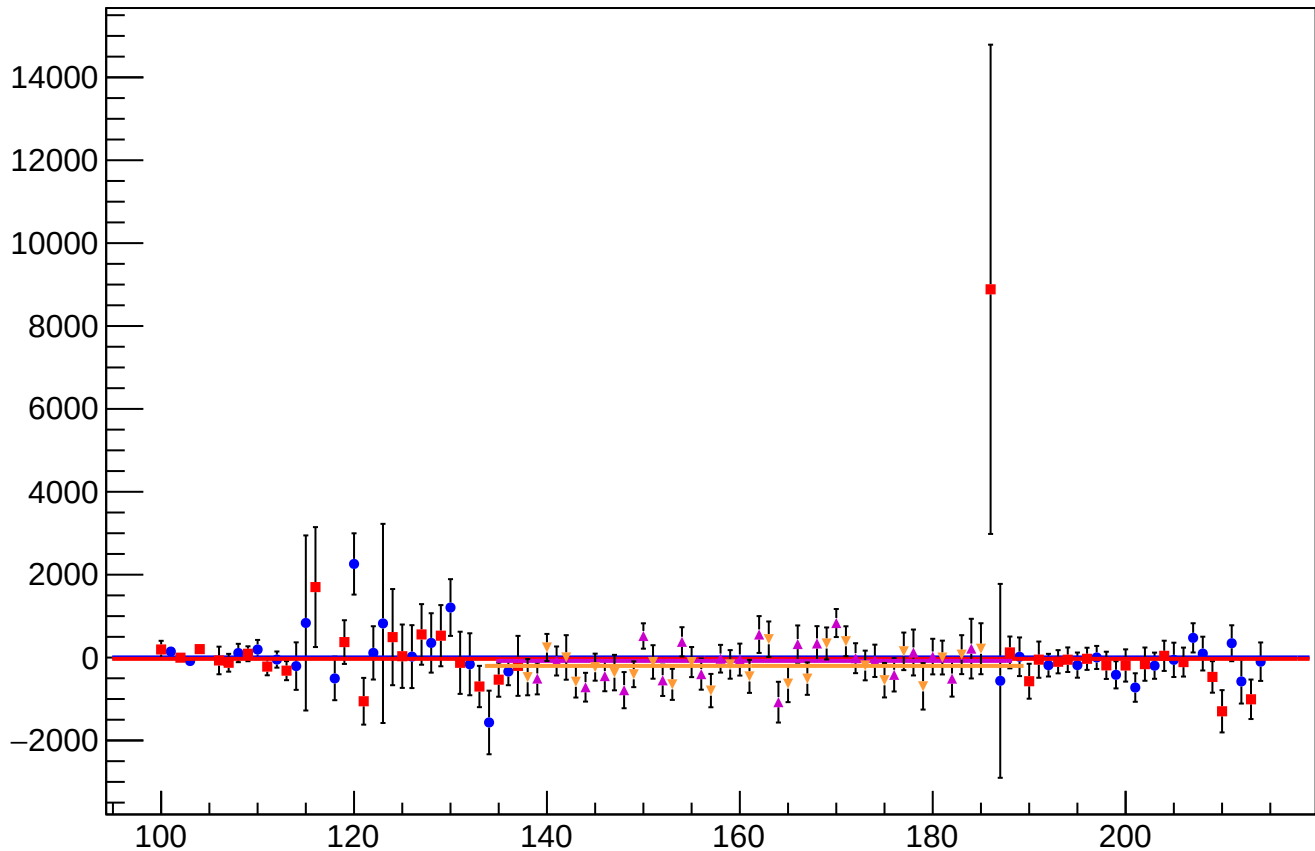
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.931 $\pm$ 0.007 χ^2 /NDF: 1183616.7/55

All: 61.871 $\pm$ 0.005 χ^2 /NDF: 3221728.1/112

- sign 61.810 $\pm$ 0.008 χ^2 /NDF: 2037983.5/56

asym_sam_15_avg_correction_mean vs Slug



Right In: 3.638 ± 45.682 χ^2/NDF : 35.4/30

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -31.100 ± 46.578 χ^2/NDF : 36.2/33

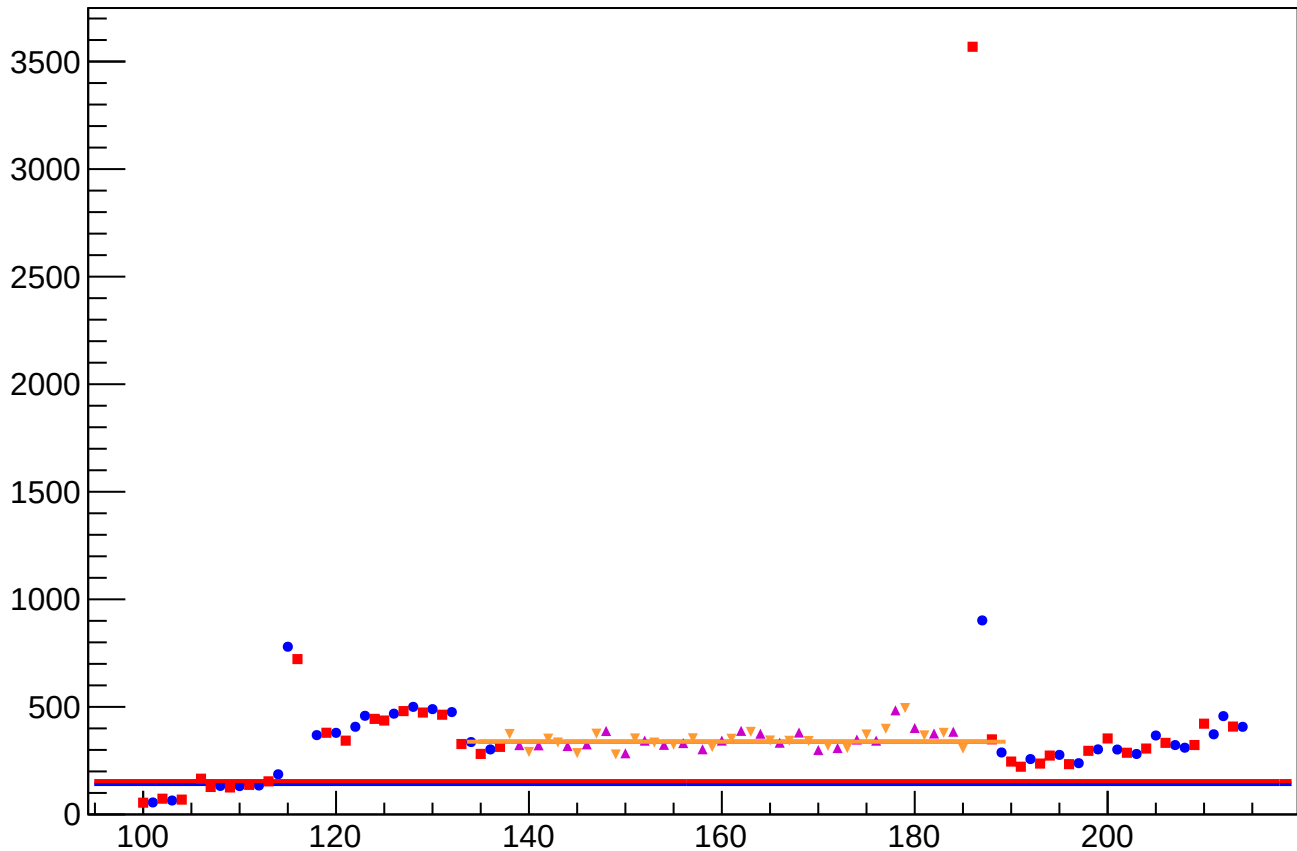
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -47.132 ± 39.615 χ^2/NDF : 60.1/55

All: -45.146 ± 28.311 χ^2/NDF : 129.9/112

- sign -43.073 ± 40.474 χ^2/NDF : 69.8/56

asym_sam_15_avg_correction_rms vs Slug



Right In: 141.339+/-0.032 χ^2/NDF : 13404210.0/30

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 155.308+/-0.033 χ^2/NDF : 11739411.0/33

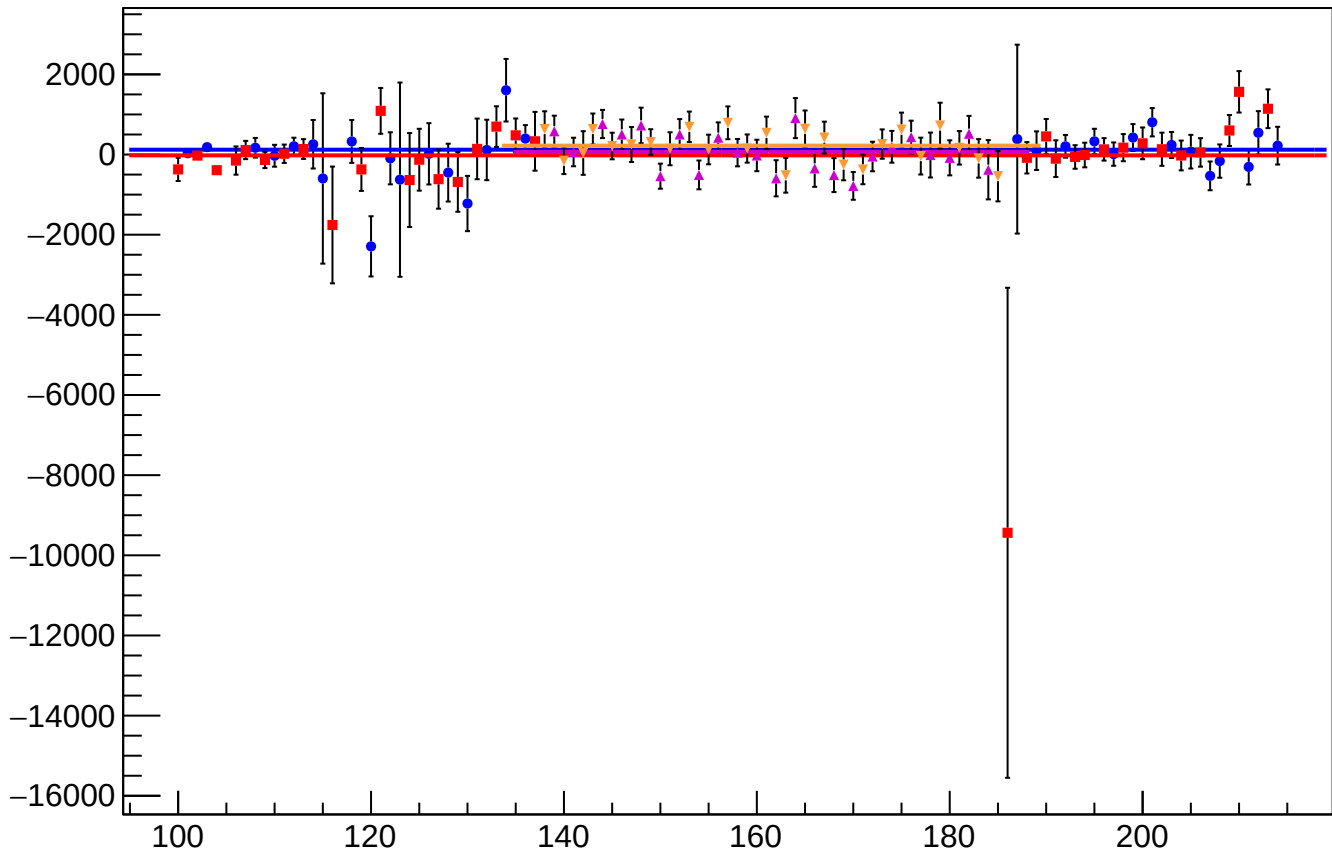
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 190.143+/-0.028 χ^2/NDF : 23107137.2/55

All: 195.060+/-0.020 χ^2/NDF : 42929529.6/11

- sign 200.193+/-0.029 χ^2/NDF : 19759406.3/56

asym_sam_15_avg_mean vs Slug



Right In: 120.801 $\pm$ 53.596 χ^2 /NDF: 31.9/30

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: -20.267 $\pm$ 51.836 χ^2 /NDF: 45.9/33

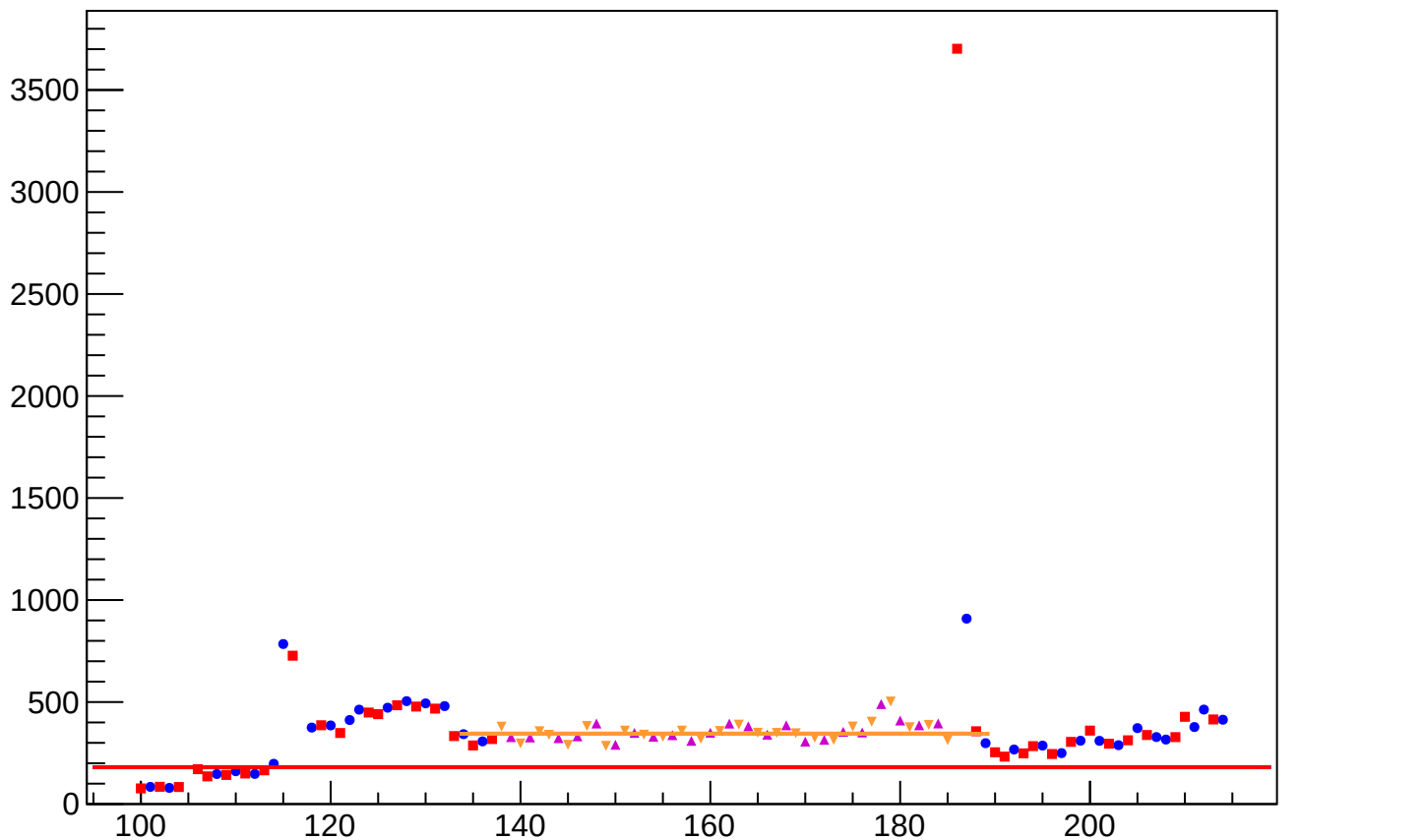
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 151.327 $\pm$ 44.700 χ^2 /NDF: 52.6/55

All: 76.354 $\pm$ 31.362 χ^2 /NDF: 138.8/112

- sign 3.669 $\pm$ 44.013 χ^2 /NDF: 80.7/56

asym_sam_15_avg_rms vs Slug



Right In: 180.753+/-0.038 χ^2/NDF : 10106820.7/30

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 180.261+/-0.037 χ^2/NDF : 9837796.5/33

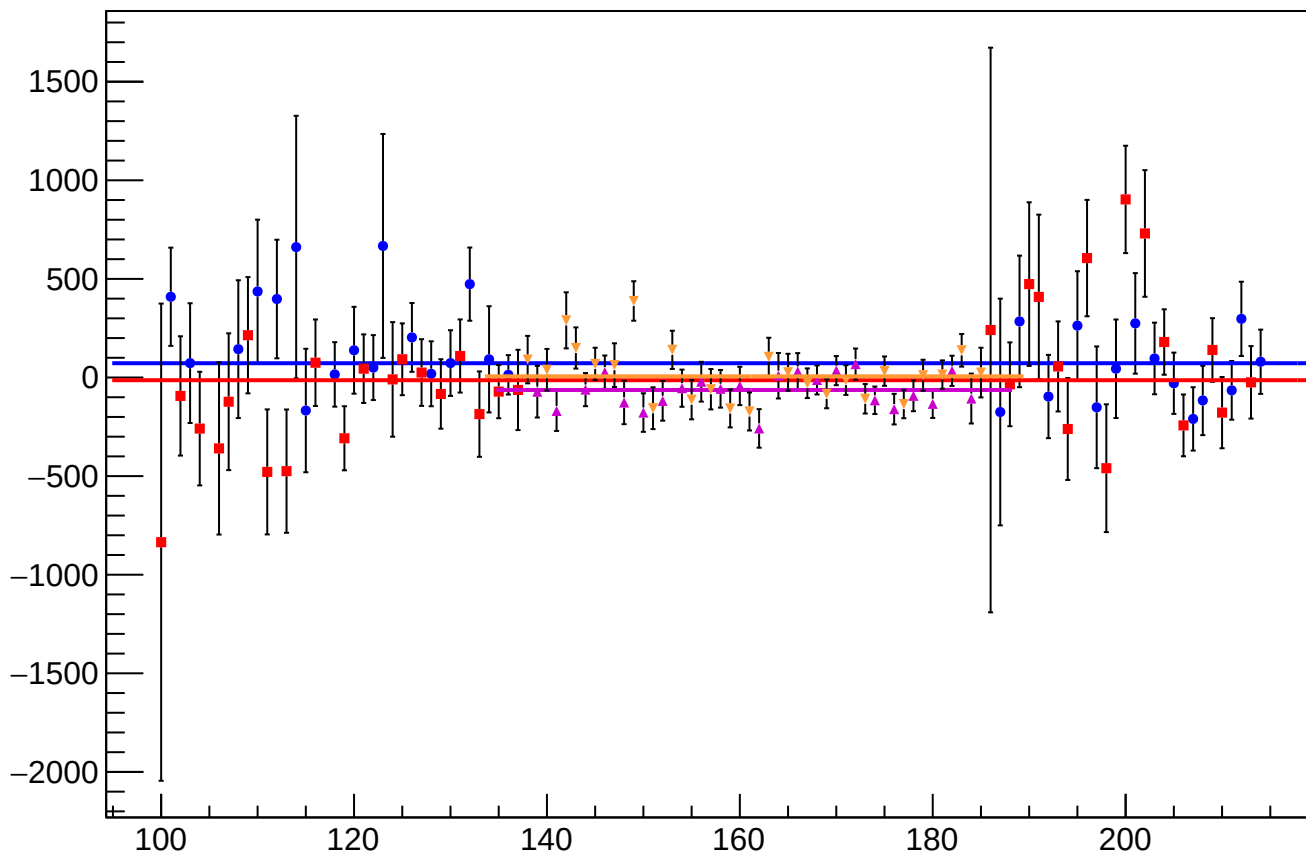
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 230.601+/-0.032 χ^2/NDF : 16278335.9/55

All: 228.387+/-0.022 χ^2/NDF : 32192800.9/11

- sign 226.242+/-0.031 χ^2/NDF : 15904807.3/56

reg_asym_sam_26_avg_mean vs Slug



Right In: 72.439+/-36.359 χ^2/NDF : 22.3/30

Left Out: 6.020+/-17.910 χ^2/NDF : 46.0/24

Right Out: -13.743+/-38.138 χ^2/NDF : 44.0/33

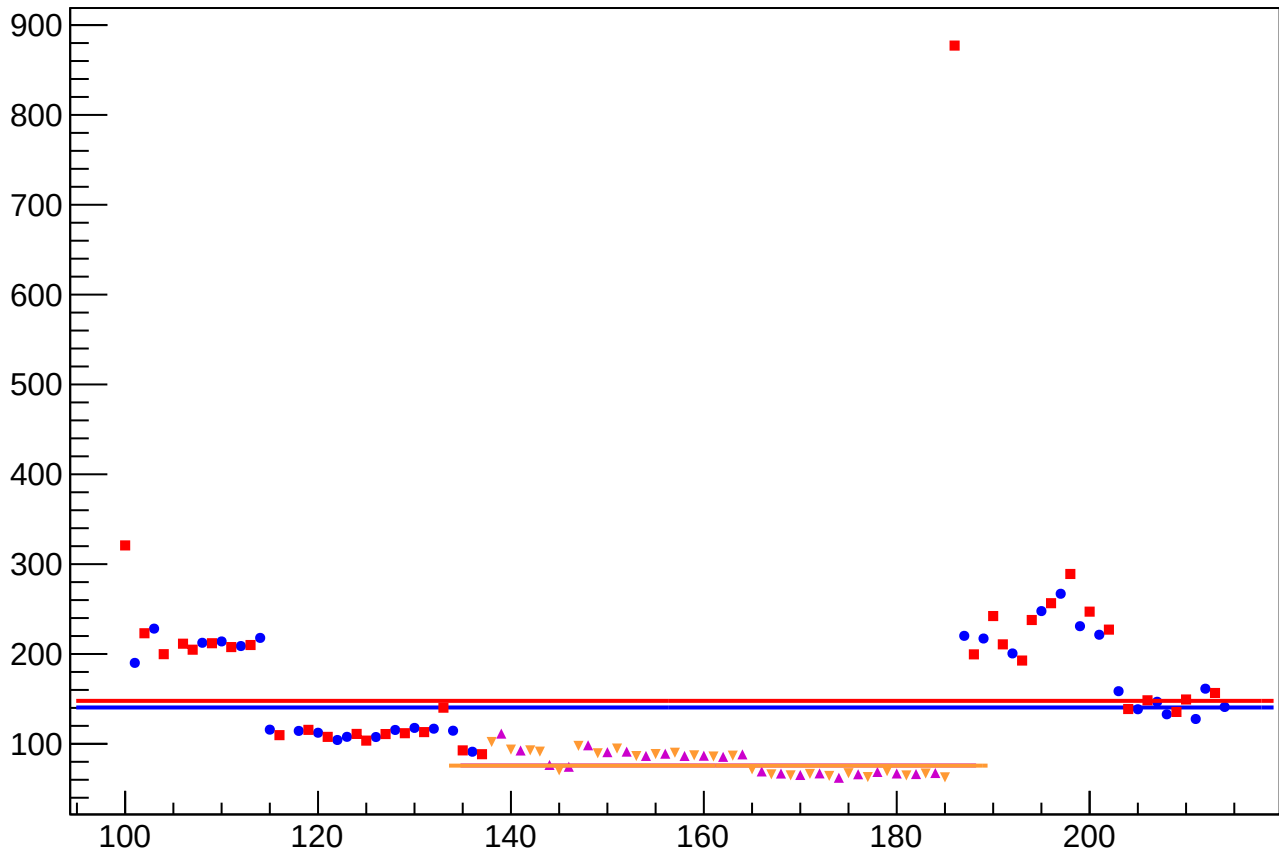
Left In: -63.279+/-18.447 χ^2/NDF : 19.8/22

+ sign 18.989+/-16.066 χ^2/NDF : 71.0/55

All: -16.246+/-11.547 χ^2/NDF : 146.1/112

- sign -53.887+/-16.606 χ^2/NDF : 65.2/56

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.469+/-0.026 χ^2/NDF : 2910733.6/30

Left Out: 75.743+/-0.013 χ^2/NDF : 937821.8/24

Right Out: 147.835+/-0.027 χ^2/NDF : 3890549.9/33

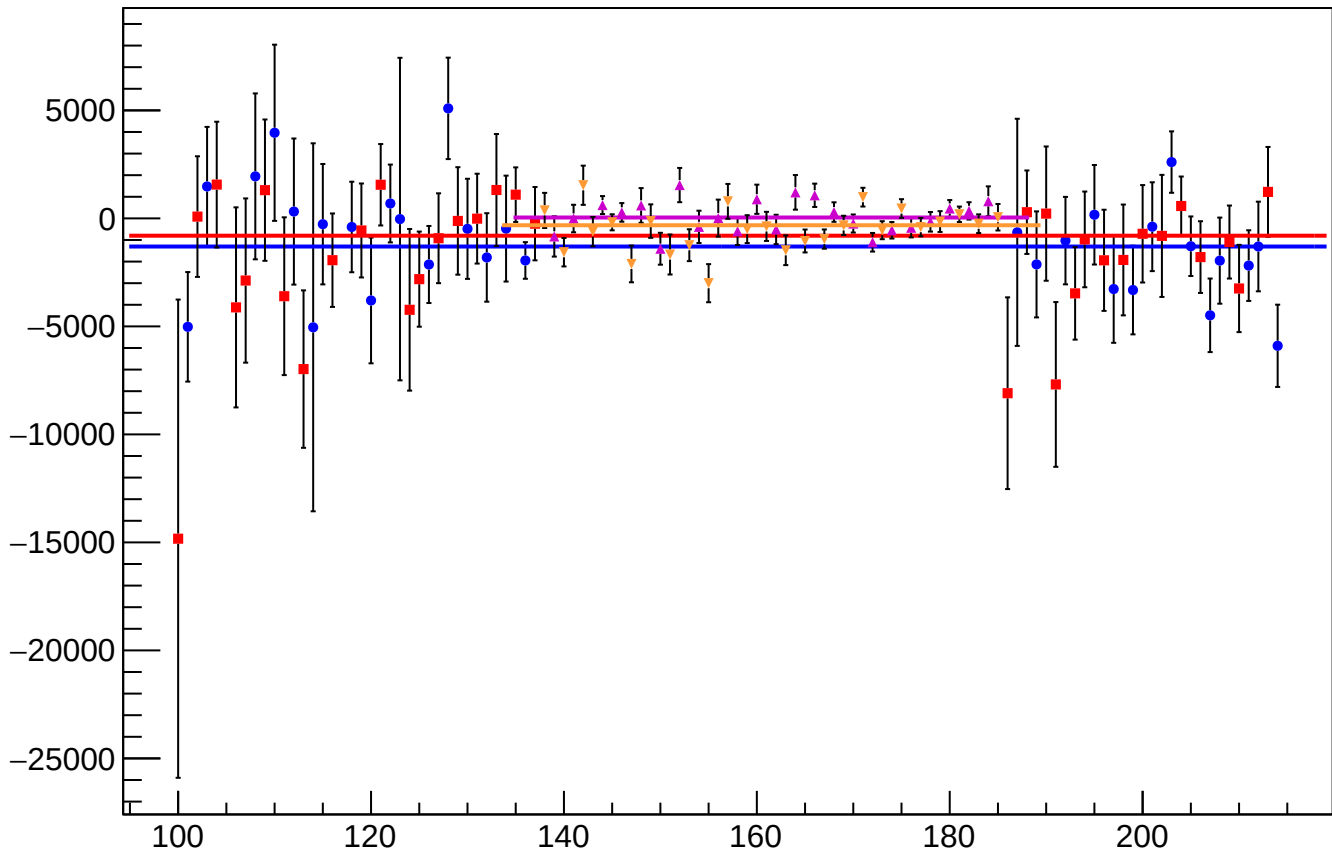
Left In: 75.909+/-0.013 χ^2/NDF : 831366.4/22

+ sign 88.381+/-0.011 χ^2/NDF : 8949151.9/55

All: 88.944+/-0.008 χ^2/NDF : 19441052.3/112

- sign 89.546+/-0.012 χ^2/NDF : 10486818.1/56

asym_sam_26_avg_correction_mean vs Slug



Right In: -1302.853 ± 363.630 χ^2/NDF : 36.4/30

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -801.855 ± 388.095 χ^2/NDF : 26.0/33

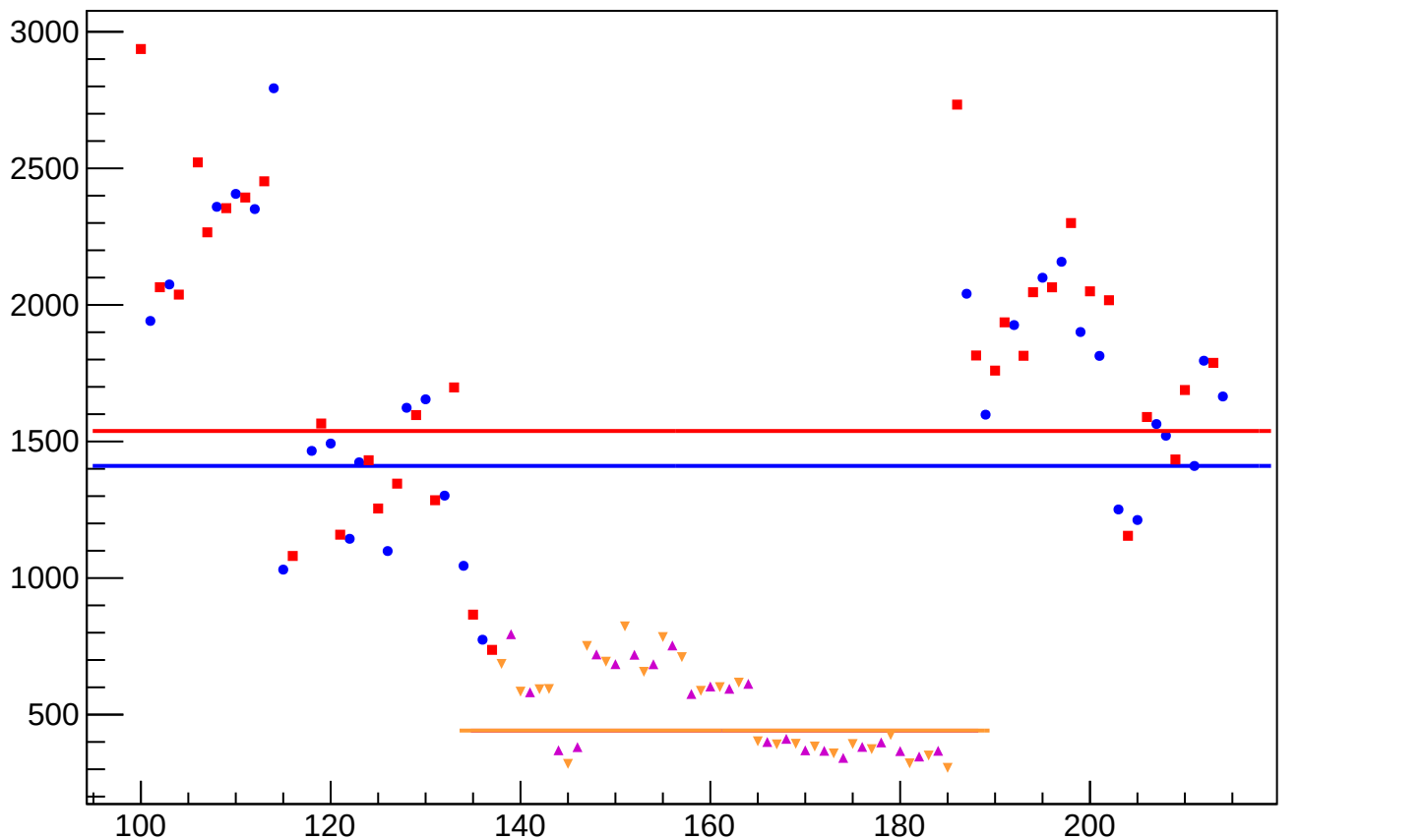
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -397.911 ± 103.542 χ^2/NDF : 93.2/55

All: -214.673 ± 74.088 χ^2/NDF : 164.7/112

- sign -22.431 ± 106.056 χ^2/NDF : 65.1/56

asym_sam_26_avg_correction_rms vs Slug



Right In: 1410.613 $\pm$ 0.257 χ^2 /NDF: 2925150.3/30

Left Out: 441.685 $\pm$ 0.076 χ^2 /NDF:3169140.9/24

Right Out: 1538.422 $\pm$ 0.274 χ^2 /NDF: 2959283.2/33

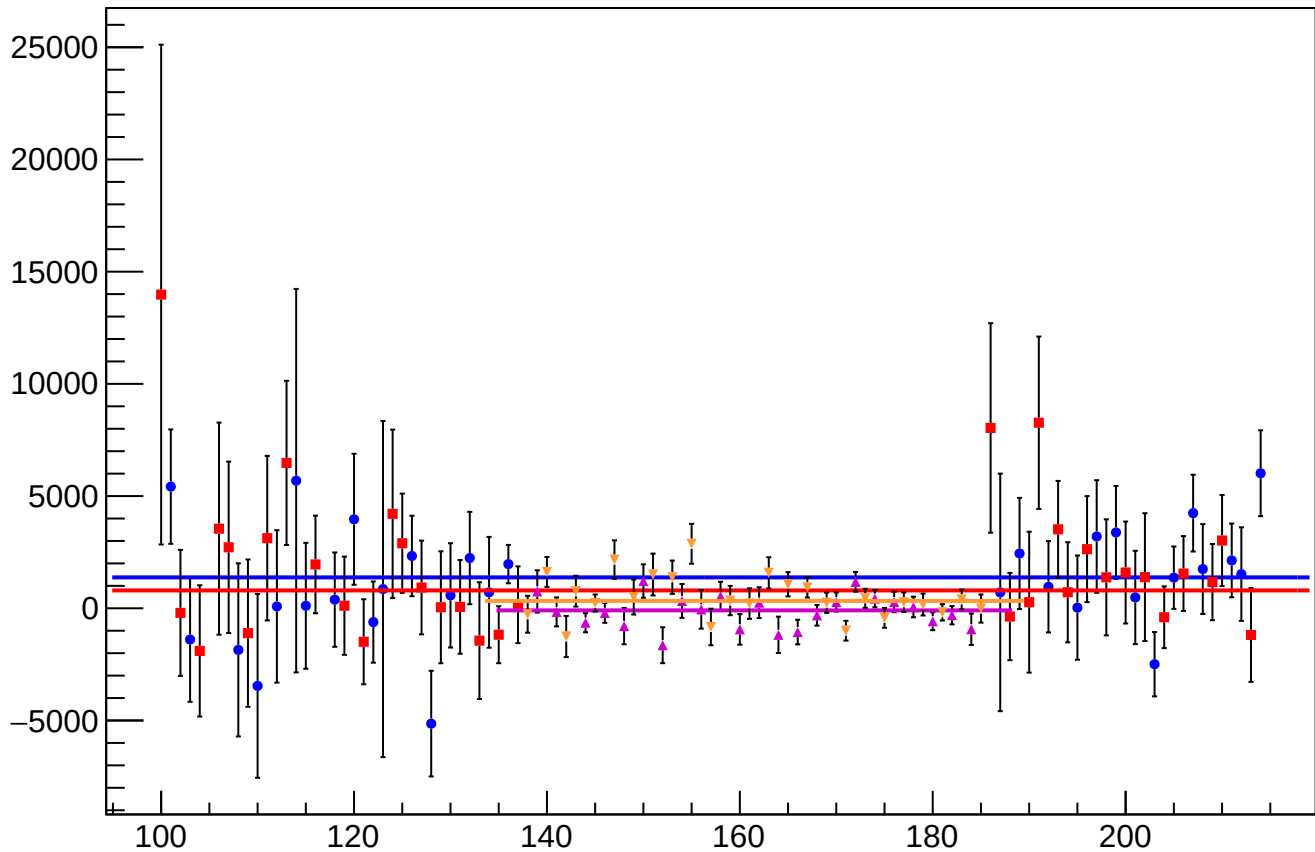
Left In: 441.009 $\pm$ 0.078 χ^2 /NDF:2597018.1/22

+ sign 520.245 $\pm$ 0.073 χ^2 /NDF: 19143082.2/55

All: 521.571 $\pm$ 0.052 χ^2 /NDF: 39497518.5/11

- sign 522.961 $\pm$ 0.075 χ^2 /NDF: 20353764.8/56

asym_sam_26_avg_mean vs Slug



Right In: 1376.737 $\pm$ 365.859 χ^2 /NDF: 35.7/30

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: 795.113 $\pm$ 390.488 χ^2 /NDF: 25.3/33

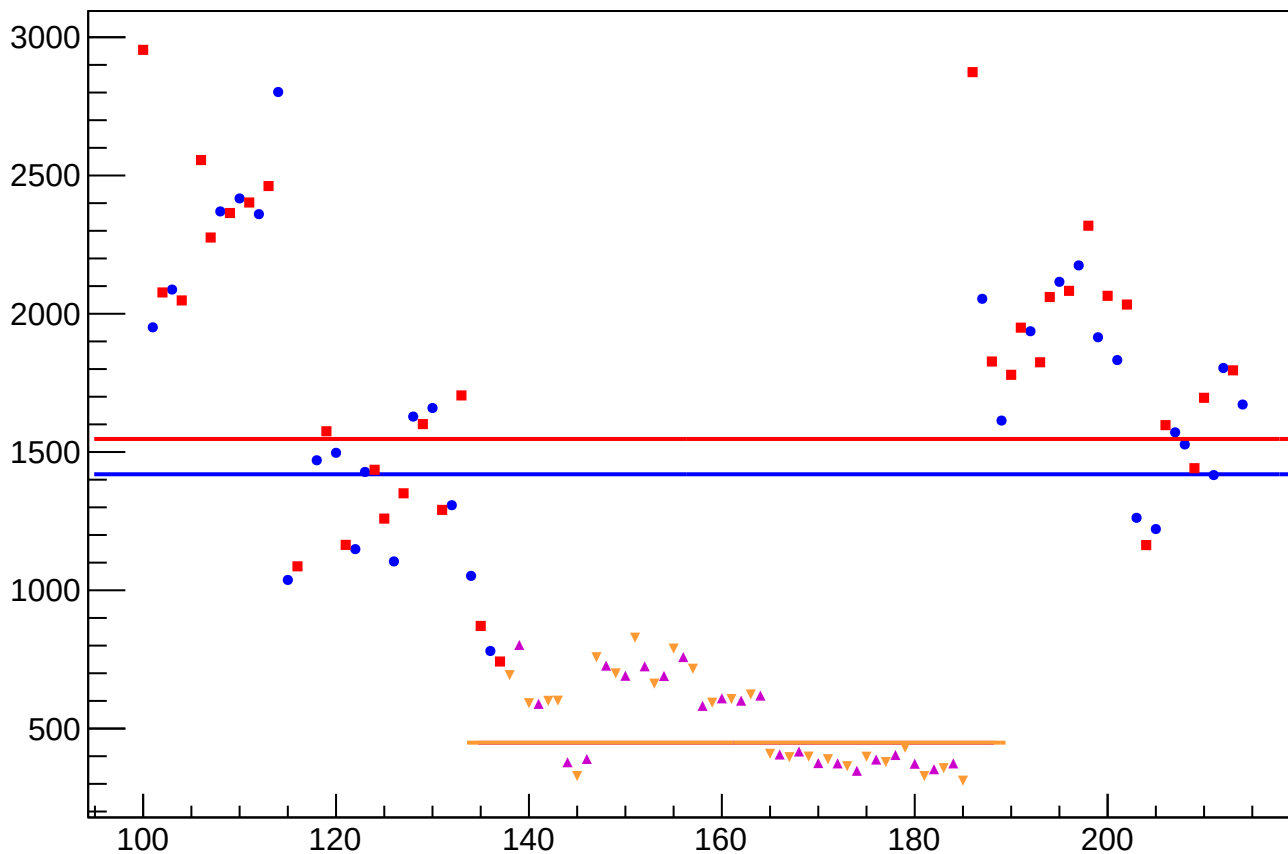
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 415.013 $\pm$ 105.050 χ^2 /NDF: 90.9/55

All: 199.928 $\pm$ 75.175 χ^2 /NDF: 163.0/112

- sign -25.824 $\pm$ 107.623 χ^2 /NDF: 63.4/56

asym_sam_26_avg_rms vs Slug



Right In: 1419.556 $\pm$ 0.259 χ^2 /NDF: 2913863.4/30

Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF:3090476.2/24

Right Out: 1547.254 $\pm$ 0.276 χ^2 /NDF: 2978304.8/33

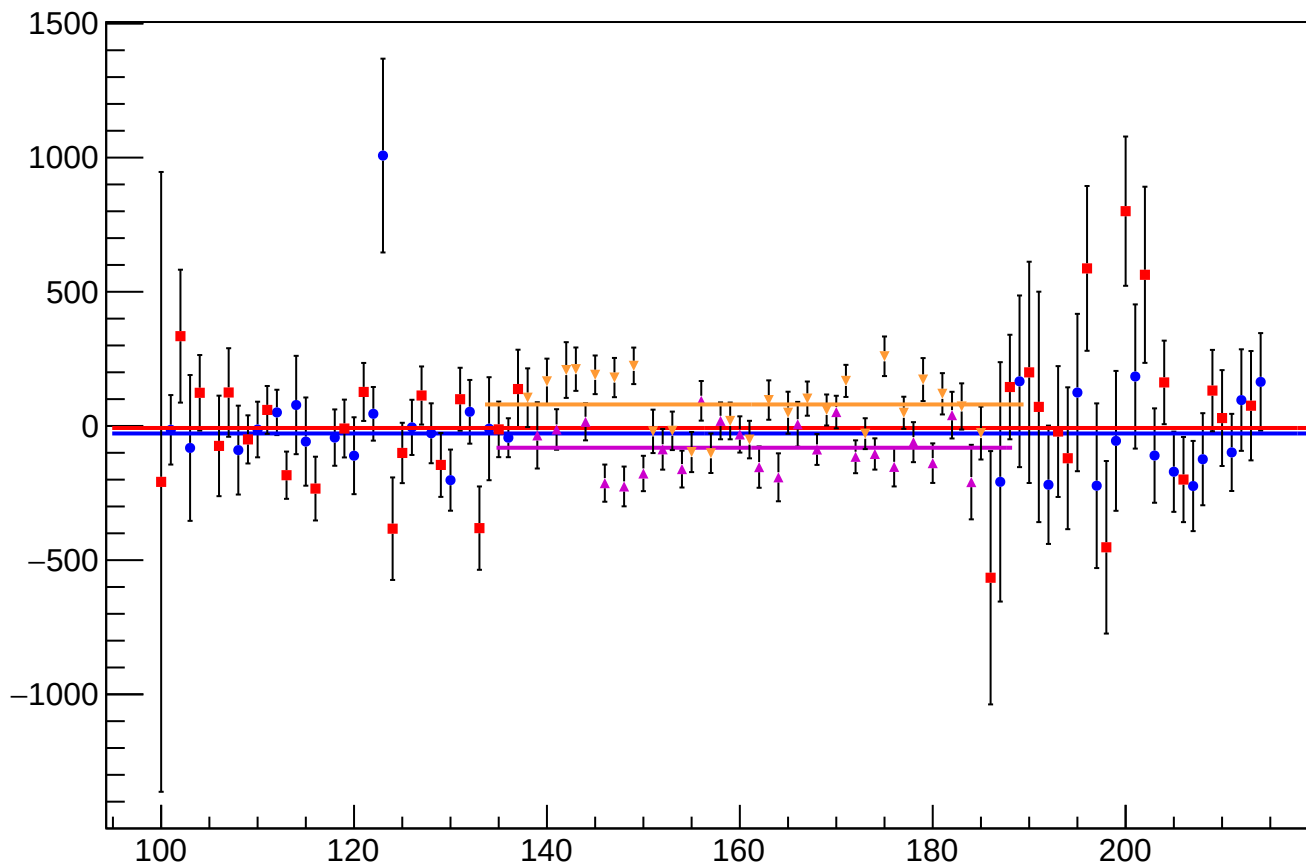
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF:2537376.0/22

+ sign 529.033 $\pm$ 0.074 χ^2 /NDF: 18918332.2/55

All: 530.376 $\pm$ 0.053 χ^2 /NDF: 39071903.1/11

- sign 531.786 $\pm$ 0.076 χ^2 /NDF: 20152900.7/56

reg_asym_sam_37_avg_mean vs Slug



Right In: -27.964 ± 25.515 $\chi^2/\text{NDF}: 20.6/30$

Left Out: 80.171 ± 14.592 $\chi^2/\text{NDF}: 48.6/24$

Right Out: -7.504 ± 25.264 $\chi^2/\text{NDF}: 51.6/33$

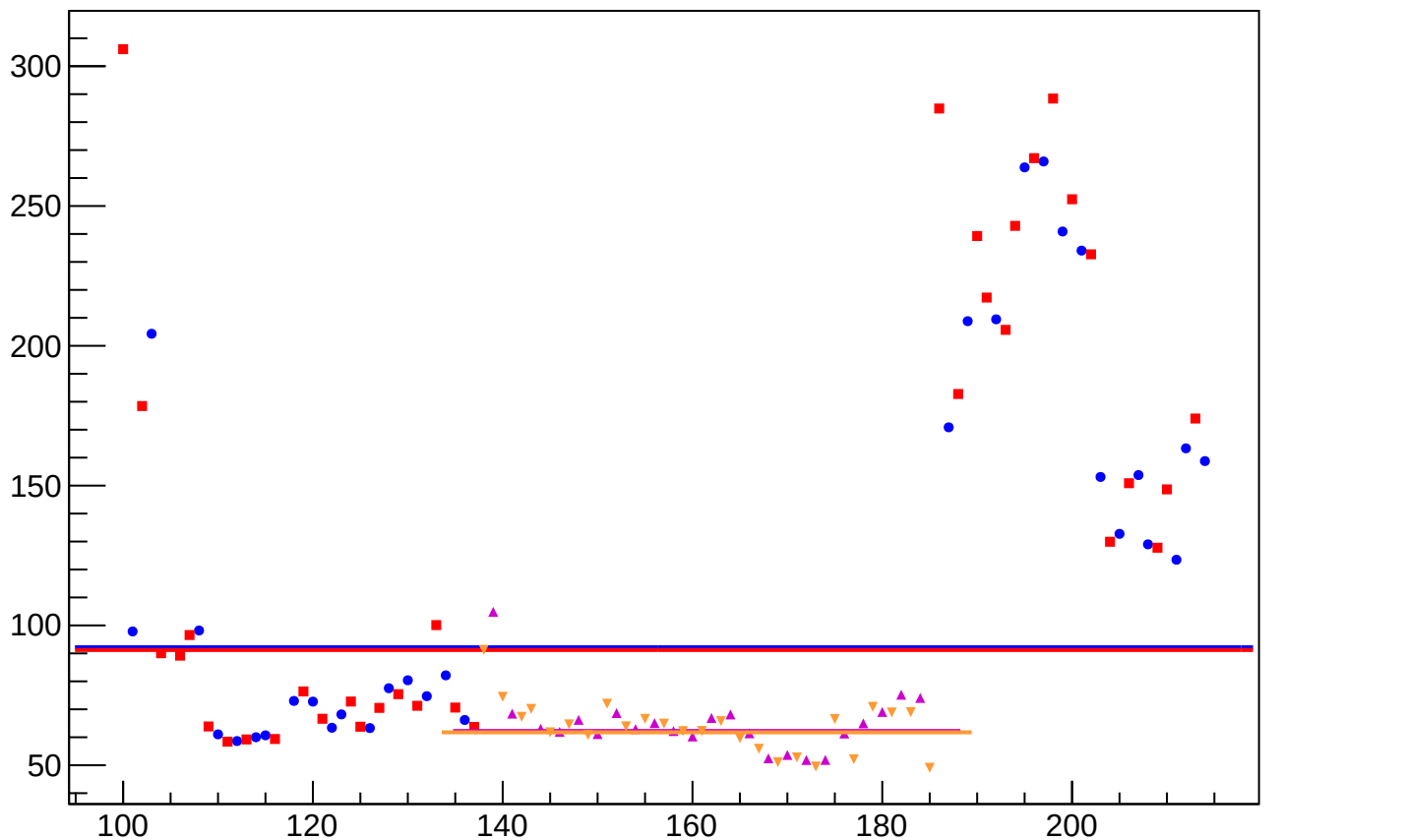
Left In: -81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

+ sign 53.519 ± 12.667 $\chi^2/\text{NDF}: 82.7/55$

All: -2.781 ± 9.060 $\chi^2/\text{NDF}: 216.3/112$

- sign -61.761 ± 12.965 $\chi^2/\text{NDF}: 93.1/56$

reg_asym_sam_37_avg_rms vs Slug



Right In: 92.188 $\pm$ 0.018 χ^2 /NDF: 6599834.3/30

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 91.206 $\pm$ 0.018 χ^2 /NDF: 7607237.1/33

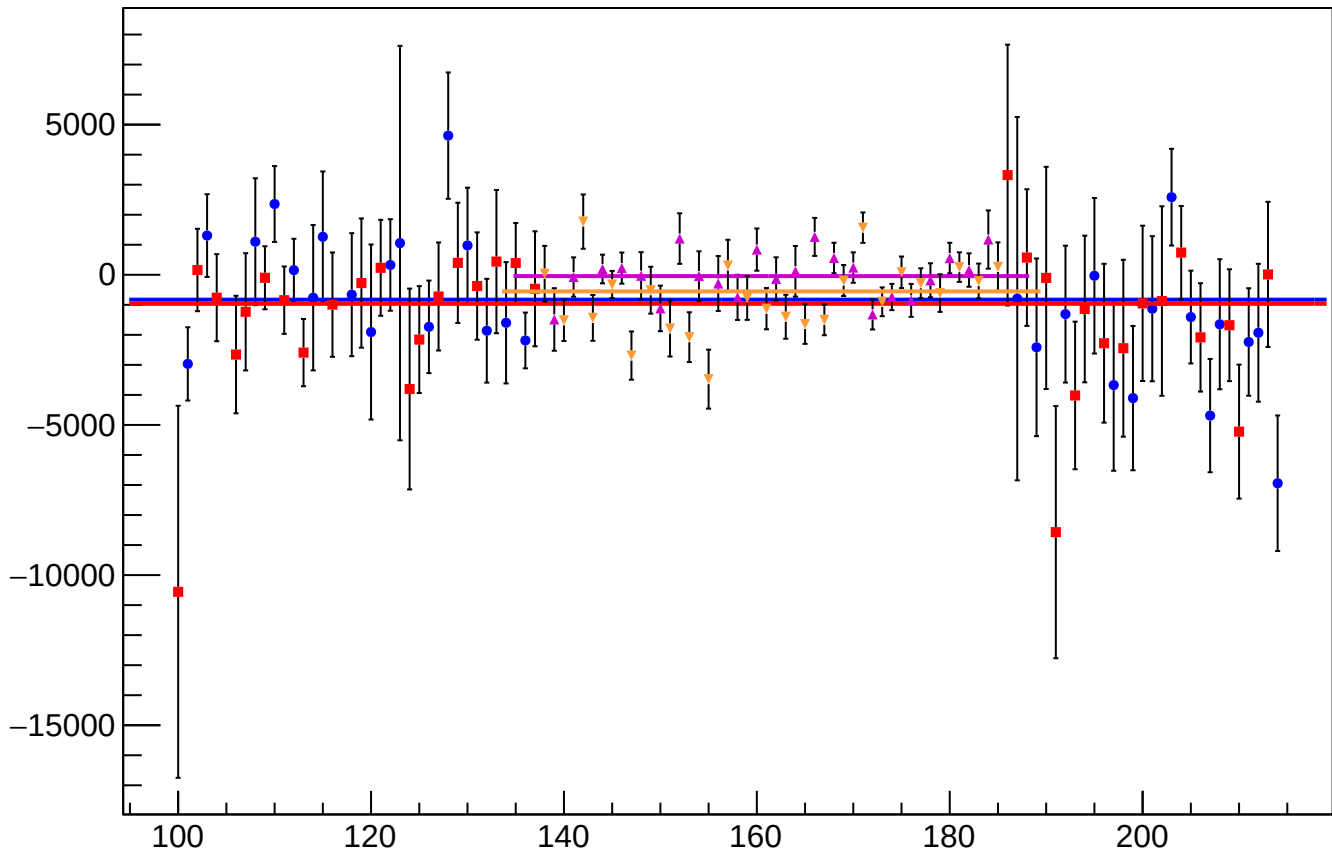
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 69.260 $\pm$ 0.009 χ^2 /NDF: 9388583.0/55

All: 69.561 $\pm$ 0.006 χ^2 /NDF: 19524537.7/112

- sign 69.875 $\pm$ 0.009 χ^2 /NDF: 10133652.7/56

asym_sam_37_avg_correction_mean vs Slug



Right In: -828.736 $\pm$ 319.997 χ^2 /NDF: 46.3/30

Left Out: -552.511 $\pm$ 126.981 χ^2 /NDF: 65.3/24

Right Out: -966.558 $\pm$ 318.087 χ^2 /NDF: 22.9/33

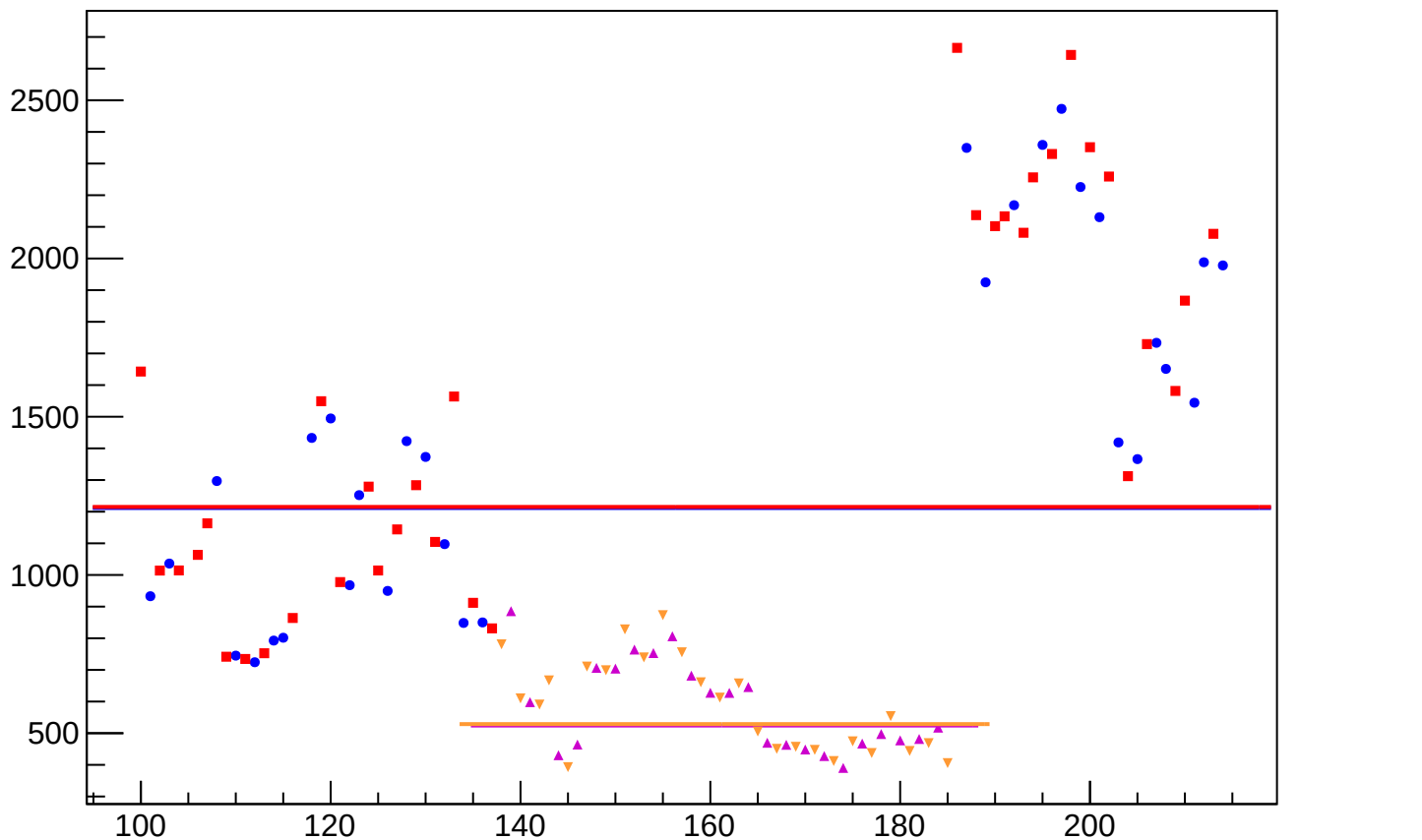
Left In: -44.578 $\pm$ 129.095 χ^2 /NDF: 29.6/22

+ sign -590.089 $\pm$ 118.028 χ^2 /NDF: 112.3/55

All: -385.305 $\pm$ 84.015 χ^2 /NDF: 178.0/112

- sign -174.963 $\pm$ 119.619 χ^2 /NDF: 59.7/56

asym_sam_37_avg_correction_rms vs Slug



Right In: 1211.637 $\pm$ 0.226 χ^2 /NDF: 4328097.6/30

Left Out: 528.736 $\pm$ 0.090 χ^2 /NDF:1983697.7/24

+ sign 621.640 $\pm$ 0.083 χ^2 /NDF: 14181274.3/55

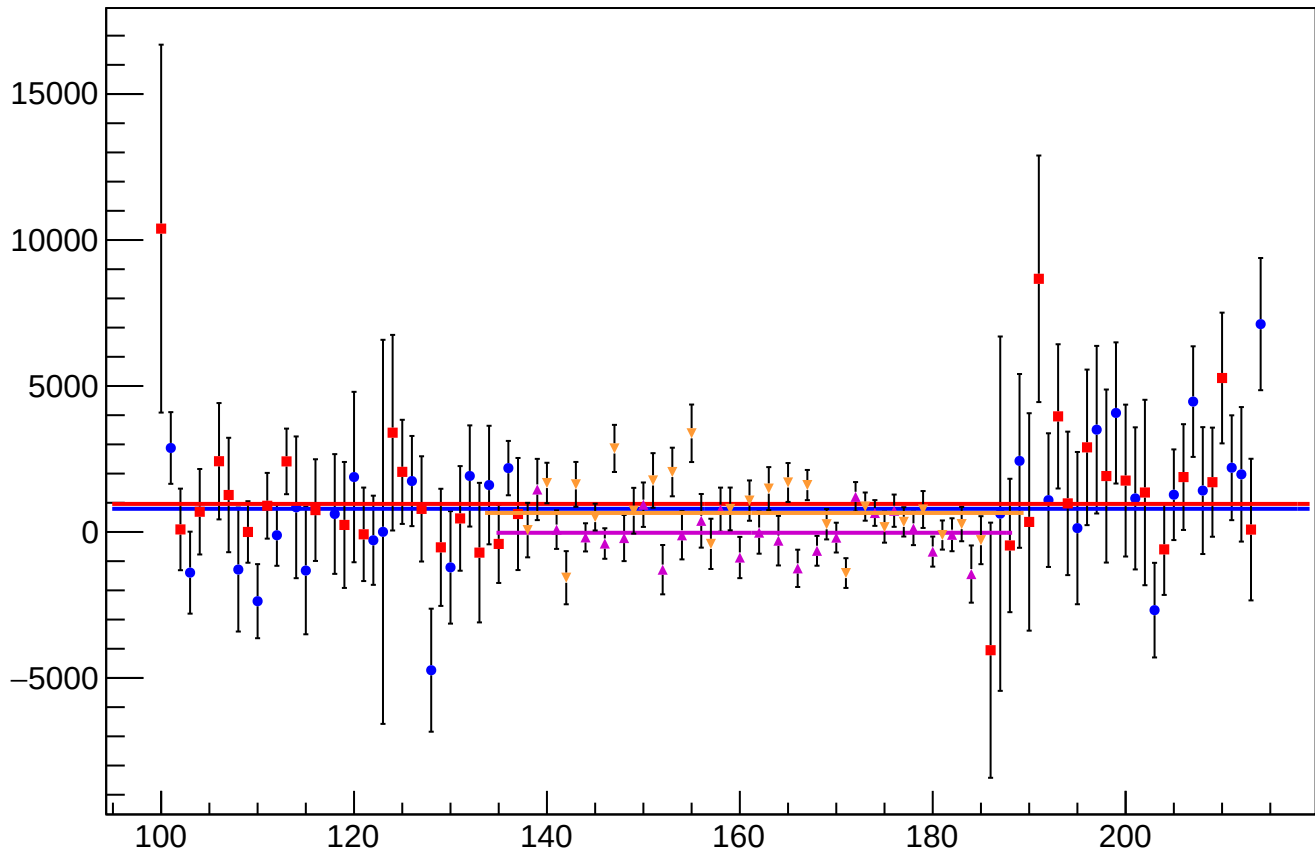
Right Out: 1214.971 $\pm$ 0.225 χ^2 /NDF: 5137513.7/33

All: 621.791 $\pm$ 0.059 χ^2 /NDF: 29131654.8/1

Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

- sign 621.946 $\pm$ 0.085 χ^2 /NDF: 14950373.9/56

asym_sam_37_avg_mean vs Slug



Right In: 793.730 ± 321.488 $\chi^2/\text{NDF}: 46.4/30$

Left Out: 651.560 ± 127.961 $\chi^2/\text{NDF}: 61.1/24$

Right Out: 961.400 ± 319.688 $\chi^2/\text{NDF}: 21.9/33$

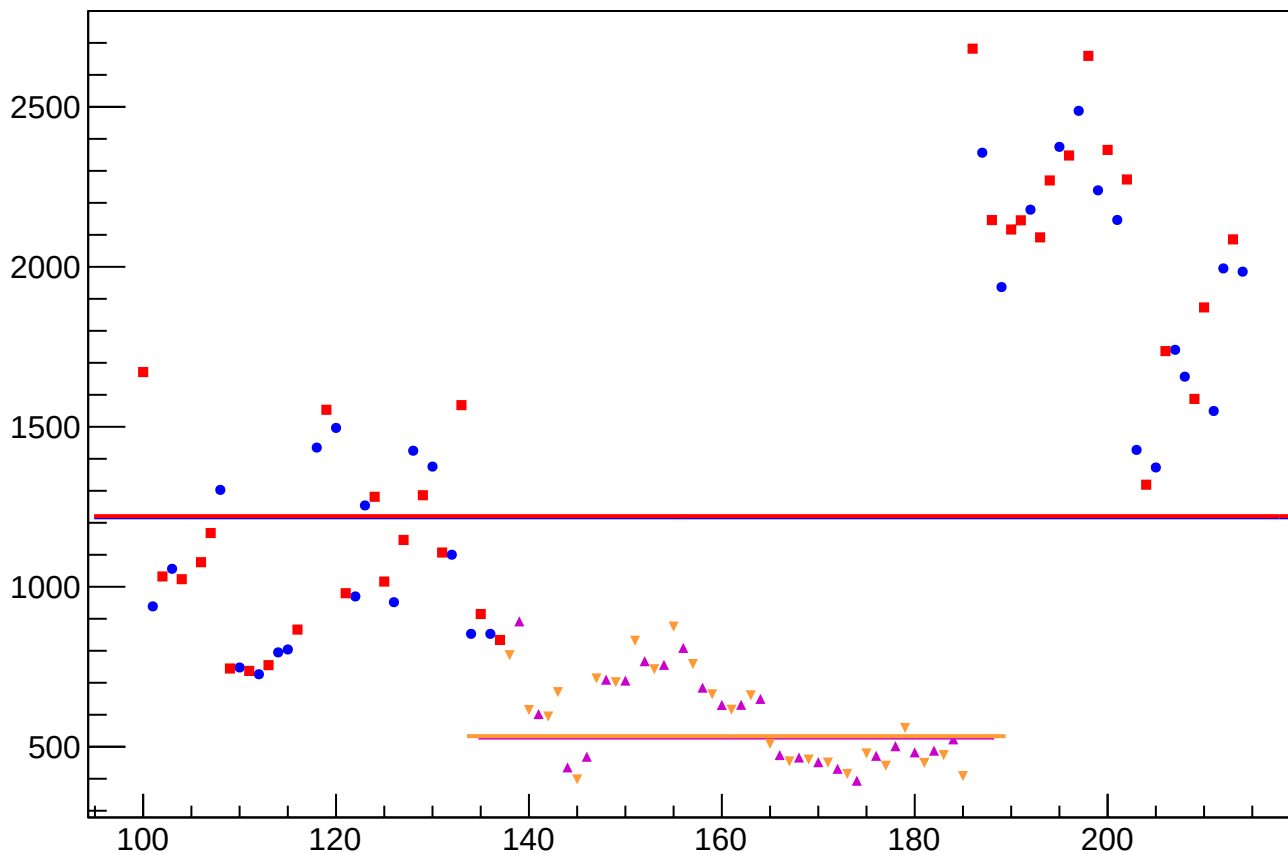
Left In: -27.483 ± 130.127 $\chi^2/\text{NDF}: 28.5/22$

+ sign 671.003 ± 118.890 $\chi^2/\text{NDF}: 107.6/55$

All: 395.847 ± 84.640 $\chi^2/\text{NDF}: 177.1/112$

- sign 113.071 ± 120.525 $\chi^2/\text{NDF}: 58.6/56$

asym_sam_37_avg_rms vs Slug



Right In: 1217.187 $\pm$ 0.227 χ^2 /NDF: 4332920.8/30

Left Out: 533.060 $\pm$ 0.090 χ^2 /NDF:1951536.4/24

Right Out: 1220.776 $\pm$ 0.226 χ^2 /NDF: 5144996.5/33

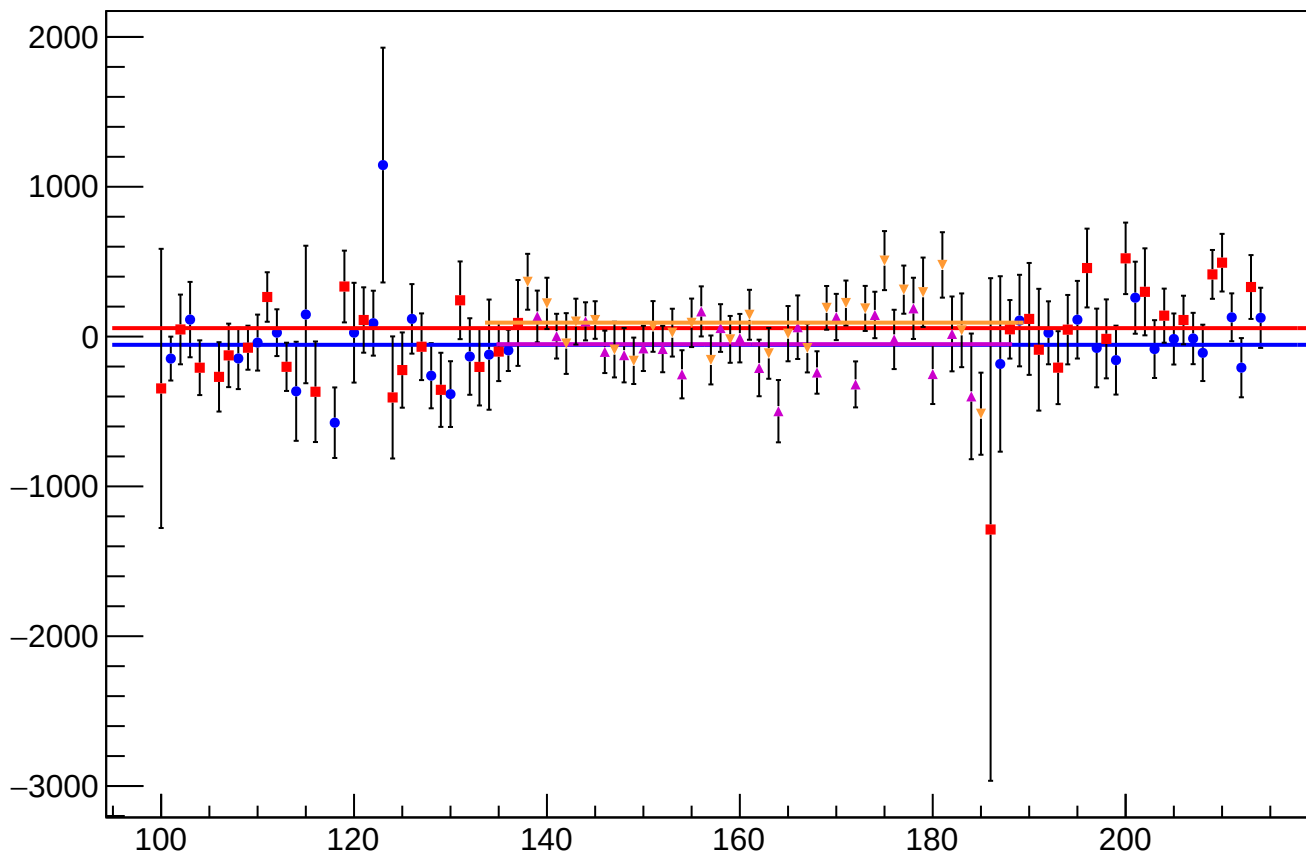
Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

+ sign 626.621 $\pm$ 0.084 χ^2 /NDF: 14102633.3/55

All: 626.839 $\pm$ 0.060 χ^2 /NDF: 28977193.8/1

- sign 627.063 $\pm$ 0.085 χ^2 /NDF: 14874546.9/56

reg_asym_sam_48_avg_mean vs Slug



Right In: -55.020 ± 38.611 χ^2/NDF : 19.8/30

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: 56.315 ± 38.502 χ^2/NDF : 41.6/33

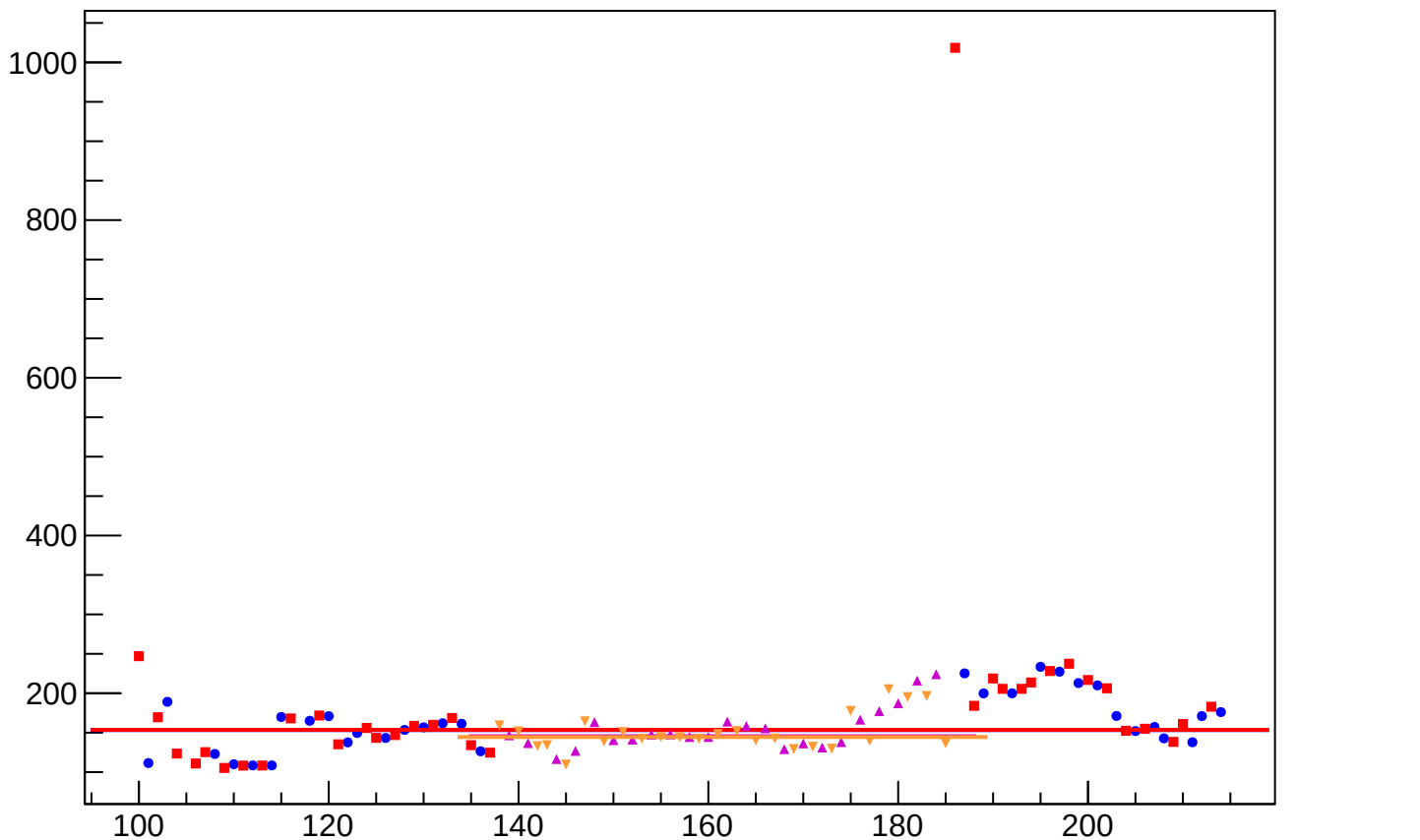
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 28.233 ± 25.539 χ^2/NDF : 57.5/55

All: 13.411 ± 18.224 χ^2/NDF : 127.4/112

- sign -1.964 ± 26.011 χ^2/NDF : 69.3/56

reg_asym_sam_48_avg_rms vs Slug



Right In: 153.308+/-0.027 χ^2/NDF : 1520142.1/30

Left Out: 144.475+/-0.024 χ^2/NDF : 670488.7/24

Right Out: 153.524+/-0.027 χ^2/NDF : 2322637.7/33

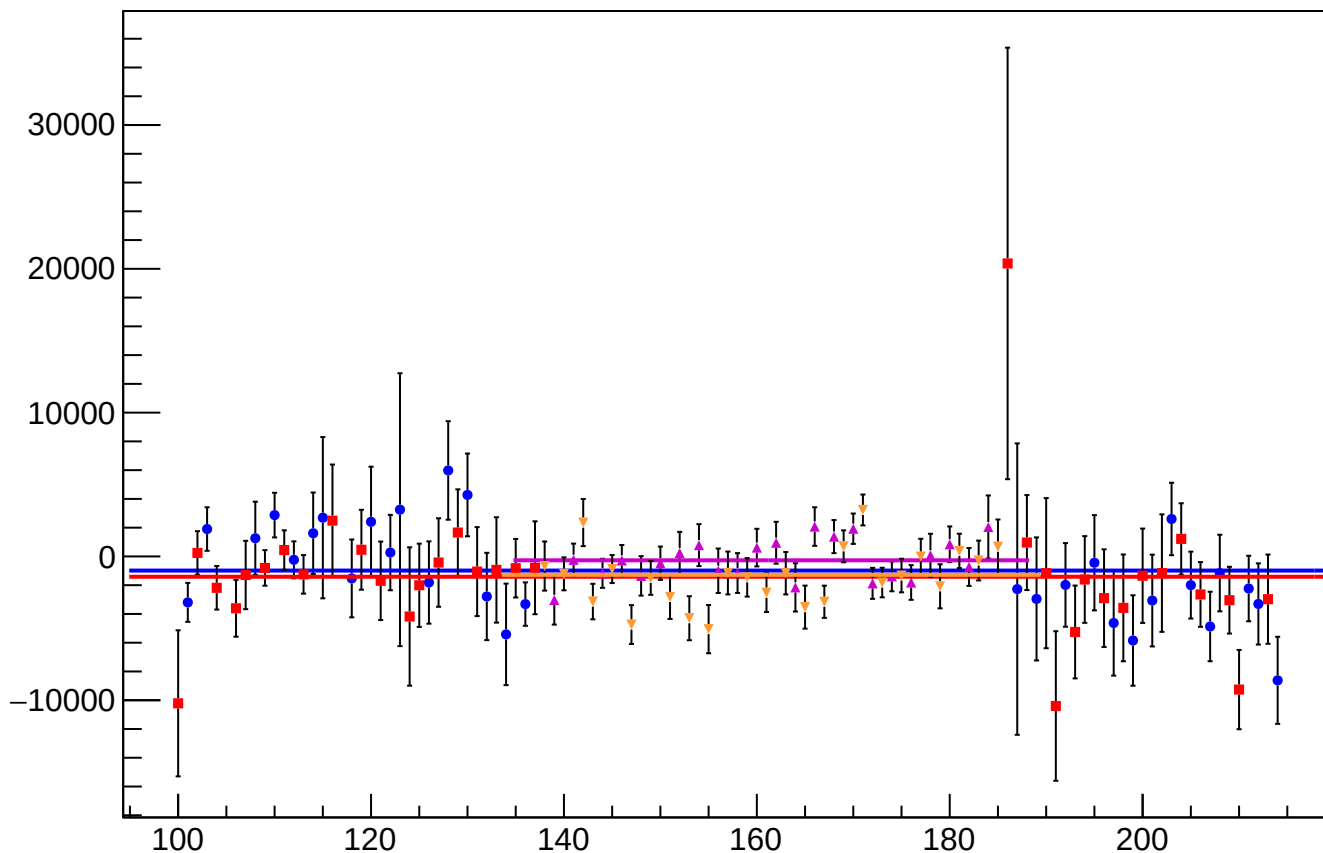
Left In: 145.535+/-0.025 χ^2/NDF : 643529.3/22

+ sign 148.340+/-0.018 χ^2/NDF : 2249500.1/55

All: 148.753+/-0.013 χ^2/NDF : 5263544.4/112

- sign 149.181+/-0.018 χ^2/NDF : 3012978.9/56

asym_sam_48_avg_correction_mean vs Slug



Right In: -982.739 ± 436.044 $\chi^2/\text{NDF}: 44.3/30$

Left Out: -1279.328 ± 259.299 $\chi^2/\text{NDF}: 55.9/24$

Right Out: -1411.791 ± 415.896 $\chi^2/\text{NDF}: 28.8/33$

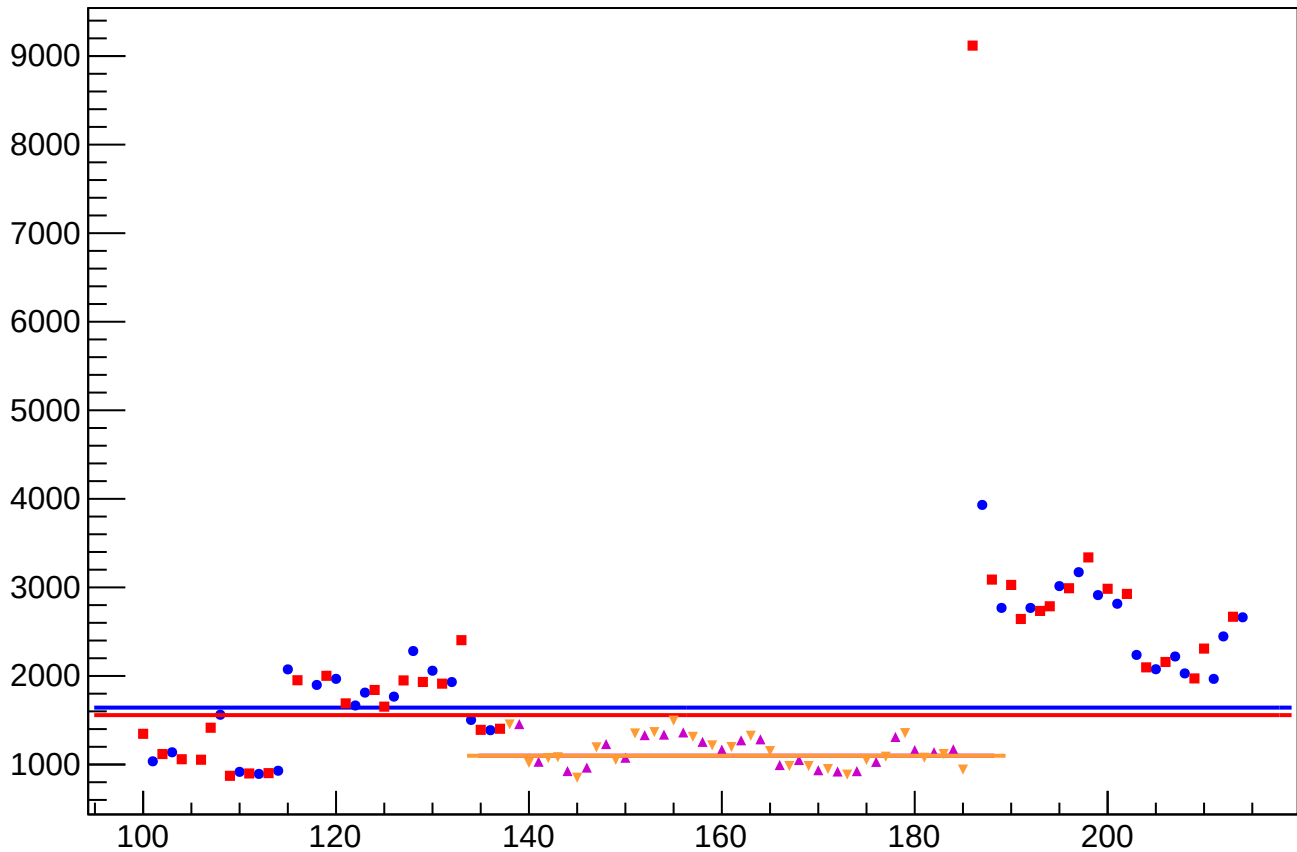
Left In: -269.952 ± 266.245 $\chi^2/\text{NDF}: 24.3/22$

+ sign -1201.846 ± 222.870 $\chi^2/\text{NDF}: 100.6/55$

All: -903.689 ± 158.073 $\chi^2/\text{NDF}: 162.6/112$

- sign -601.873 ± 224.233 $\chi^2/\text{NDF}: 58.4/56$

asym_sam_48_avg_correction_rms vs Slug



Right In: 1642.547+/-0.308 χ^2/NDF : 4702284.2/30

Left Out: 1098.909+/-0.183 χ^2/NDF : 824328.7/24

Right Out: 1557.788+/-0.294 χ^2/NDF : 6284857.9/33

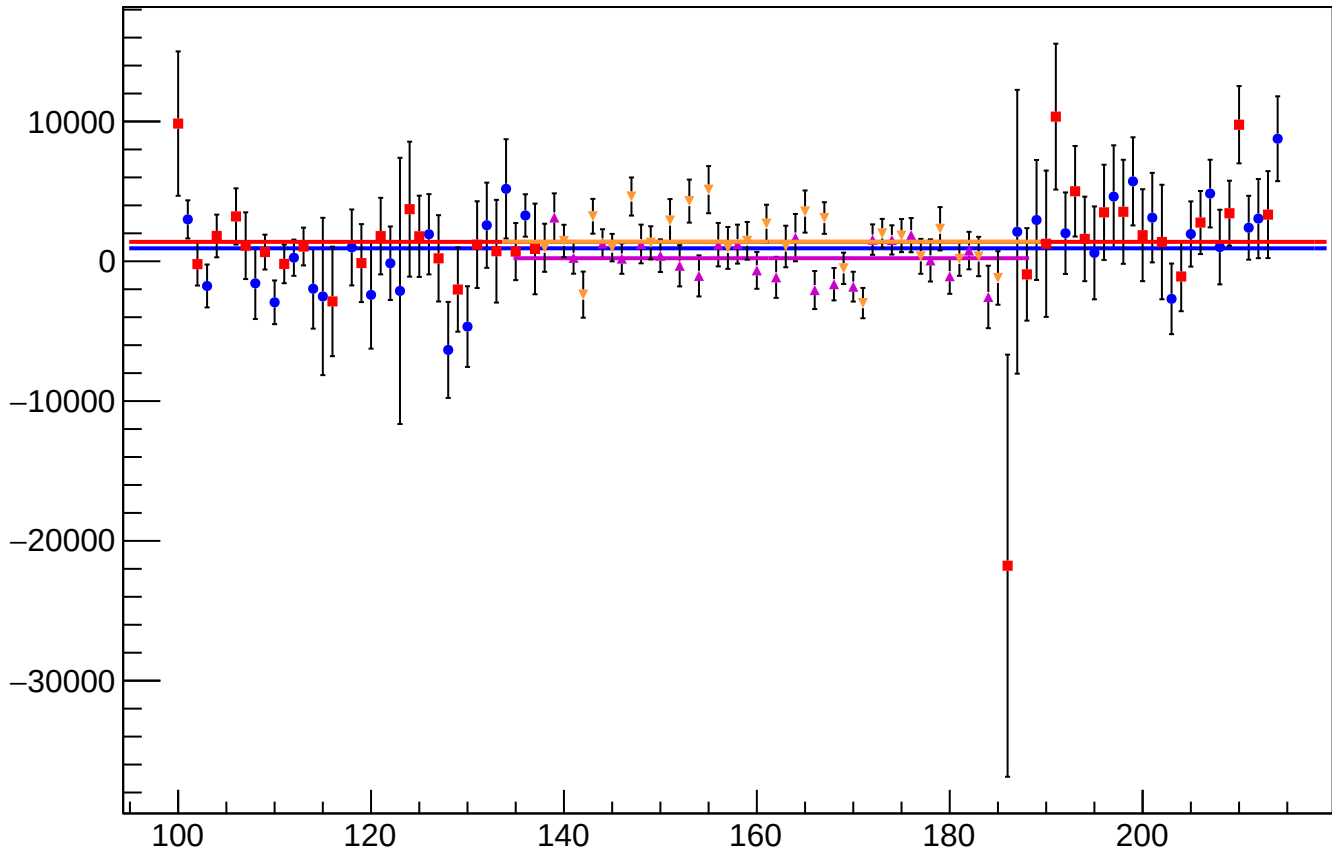
Left In: 1099.585+/-0.188 χ^2/NDF : 679896.1/22

+ sign 1240.930+/-0.158 χ^2/NDF : 7823248.3/55

All: 1236.880+/-0.112 χ^2/NDF : 16511248.0/100

- sign 1232.780+/-0.159 χ^2/NDF : 8686670.5/56

asym_sam_48_avg_mean vs Slug



Right In: 927.436 $\pm$ 438.365 χ^2 /NDF: 44.3/30

Left Out: 1400.458 $\pm$ 261.804 χ^2 /NDF: 52.2/24

Right Out: 1388.254 $\pm$ 418.555 χ^2 /NDF: 29.3/33

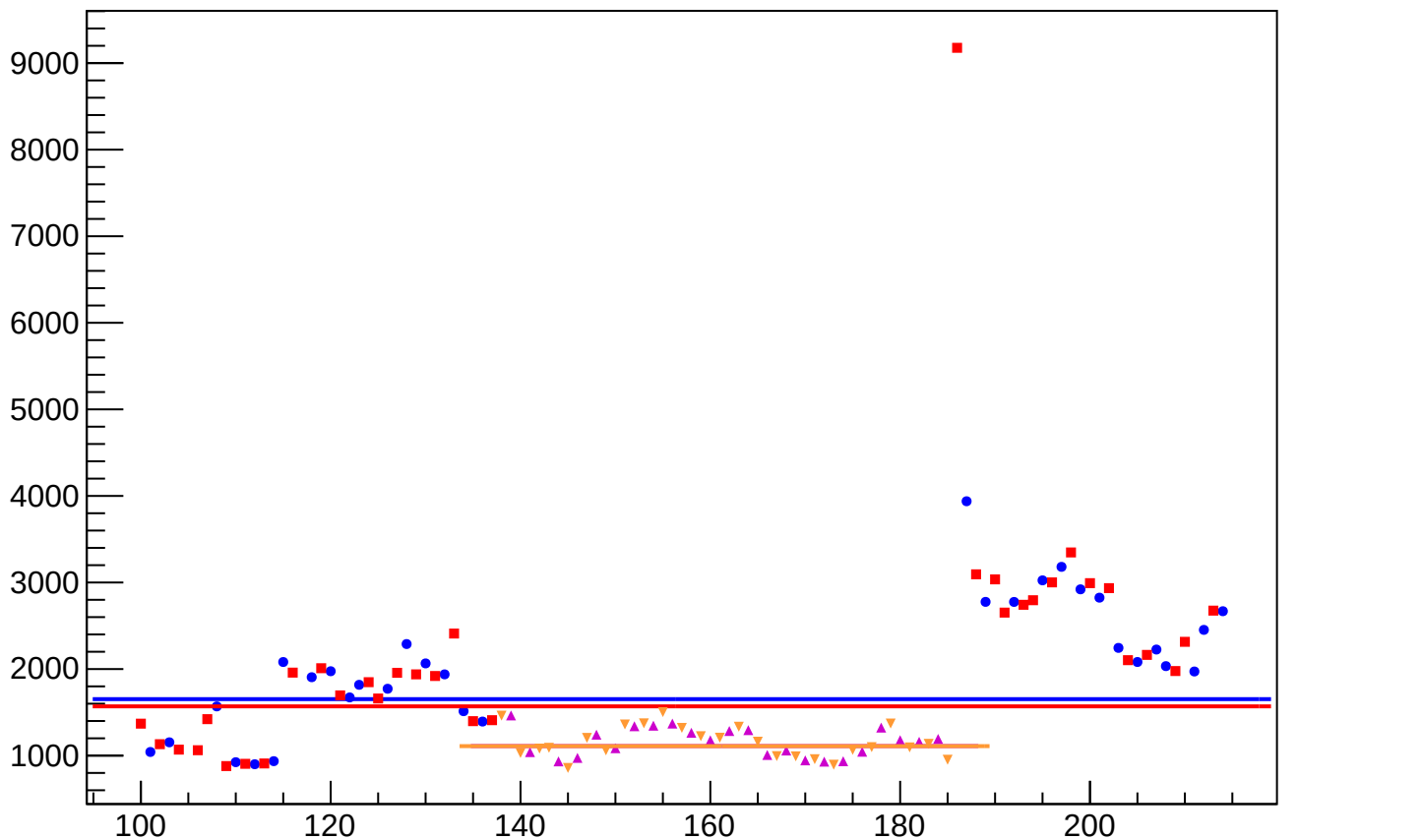
Left In: 219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

+ sign 1276.097 $\pm$ 224.769 χ^2 /NDF: 97.4/55

All: 920.726 $\pm$ 159.442 χ^2 /NDF: 162.2/112

- sign 560.797 $\pm$ 226.206 χ^2 /NDF: 59.8/56

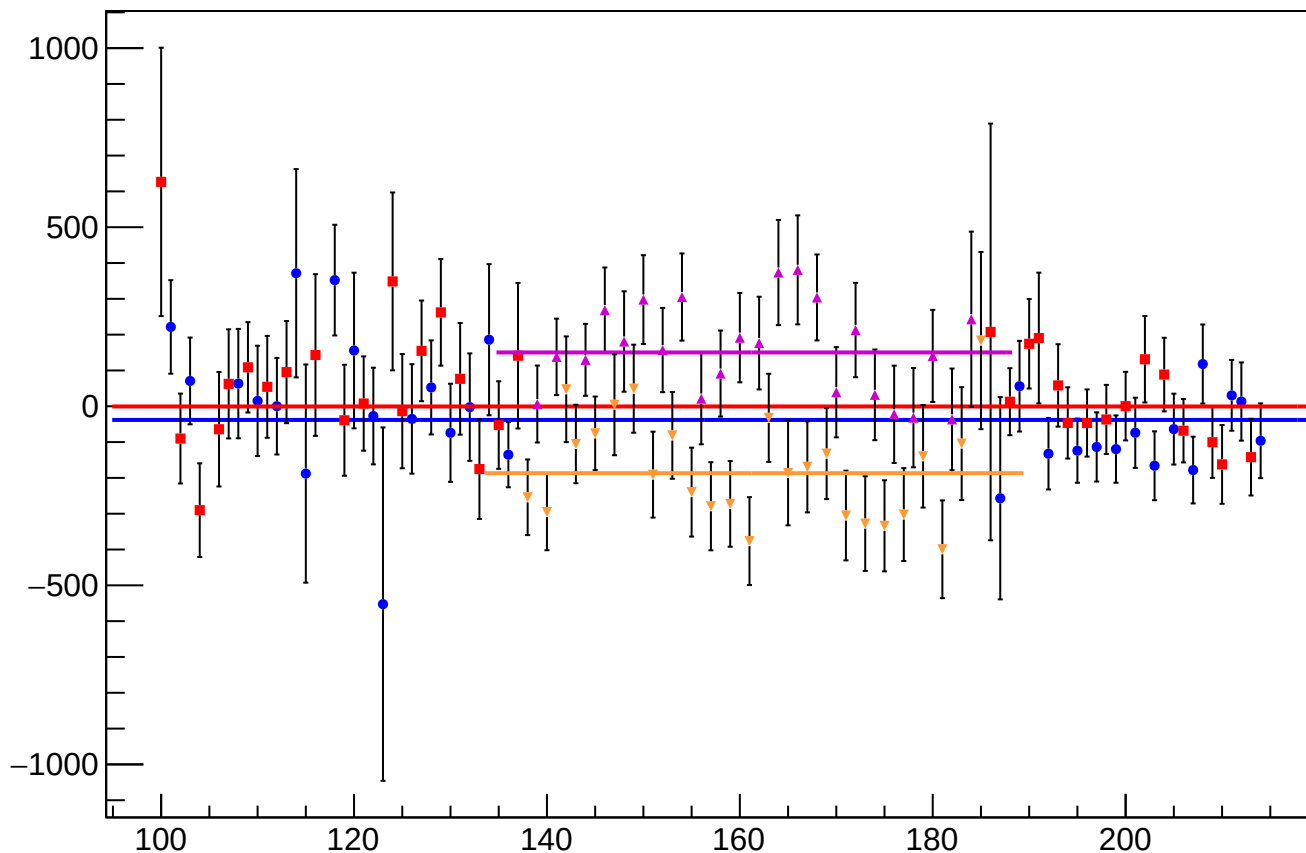
asym_sam_48_avg_rms vs Slug



Right In: 1652.747 $\pm$ 0.310 χ^2/NDF : 4653540.8/30
 Left Out: 1109.761 $\pm$ 0.185 χ^2/NDF : 812174.9/24
 Right Out: 1569.184 $\pm$ 0.296 χ^2/NDF : 6223966.3/33
 Left In: 1110.542 $\pm$ 0.190 χ^2/NDF : 669928.9/22

+ sign 1252.516 $\pm$ 0.159 χ^2/NDF : 7727529.6/55
 All: 1248.535 $\pm$ 0.113 χ^2/NDF : 16322718.5/100
 - sign 1244.503 $\pm$ 0.160 χ^2/NDF : 8593926.2/56

reg_asym_sam_15_dd_mean vs Slug



Right In: -38.120 ± 22.016 $\chi^2/\text{NDF}: 30.3/30$

Left Out: -186.838 ± 25.308 $\chi^2/\text{NDF}: 26.6/24$

Right Out: -0.529 ± 21.788 $\chi^2/\text{NDF}: 30.7/33$

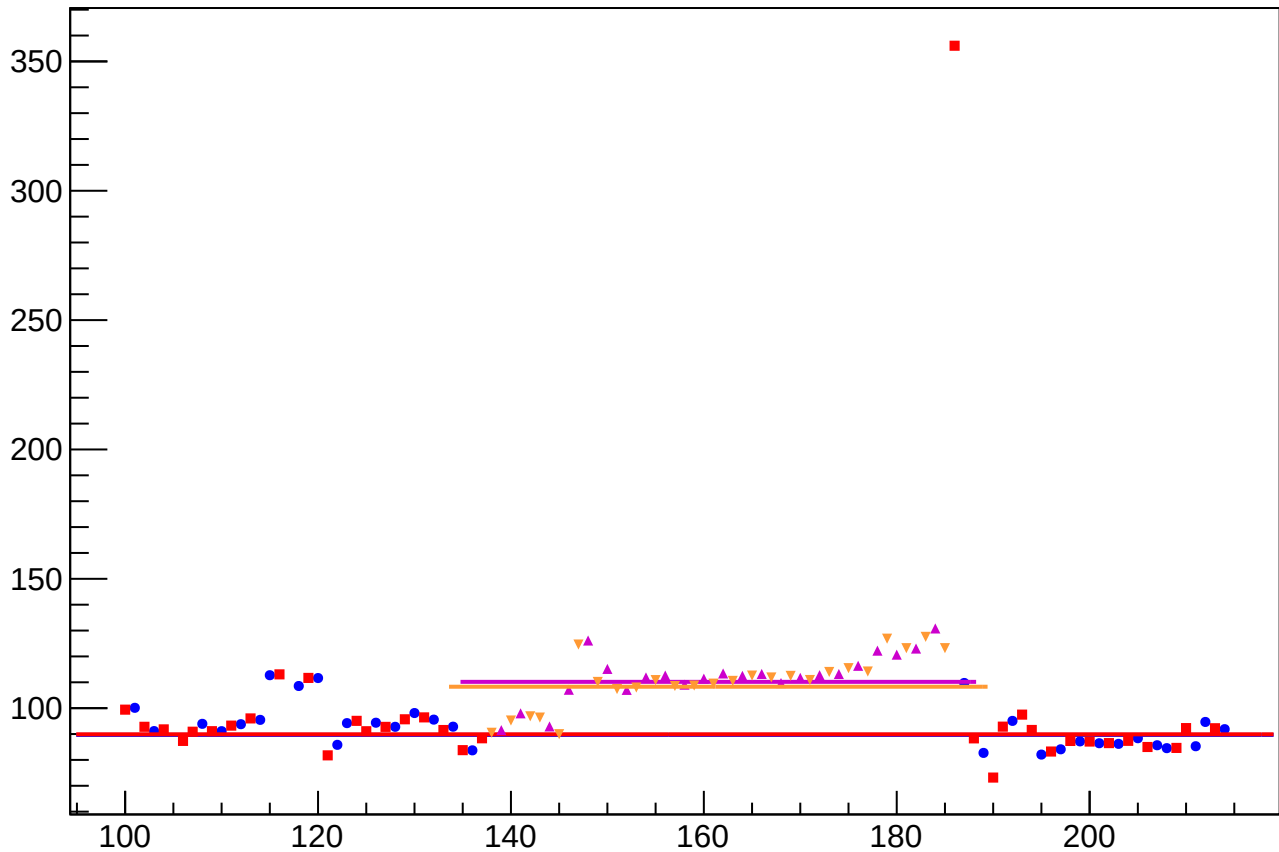
Left In: 150.315 ± 26.445 $\chi^2/\text{NDF}: 20.7/22$

+ sign -102.184 ± 16.611 $\chi^2/\text{NDF}: 76.6/55$

All: -21.858 ± 11.817 $\chi^2/\text{NDF}: 194.7/112$

- sign 60.462 ± 16.816 $\chi^2/\text{NDF}: 70.7/56$

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.668+/-0.016 χ^2/NDF : 170672.5/30

Left Out: 108.287+/-0.018 χ^2/NDF : 330693.5/24

Right Out: 89.893+/-0.015 χ^2/NDF : 584969.6/33

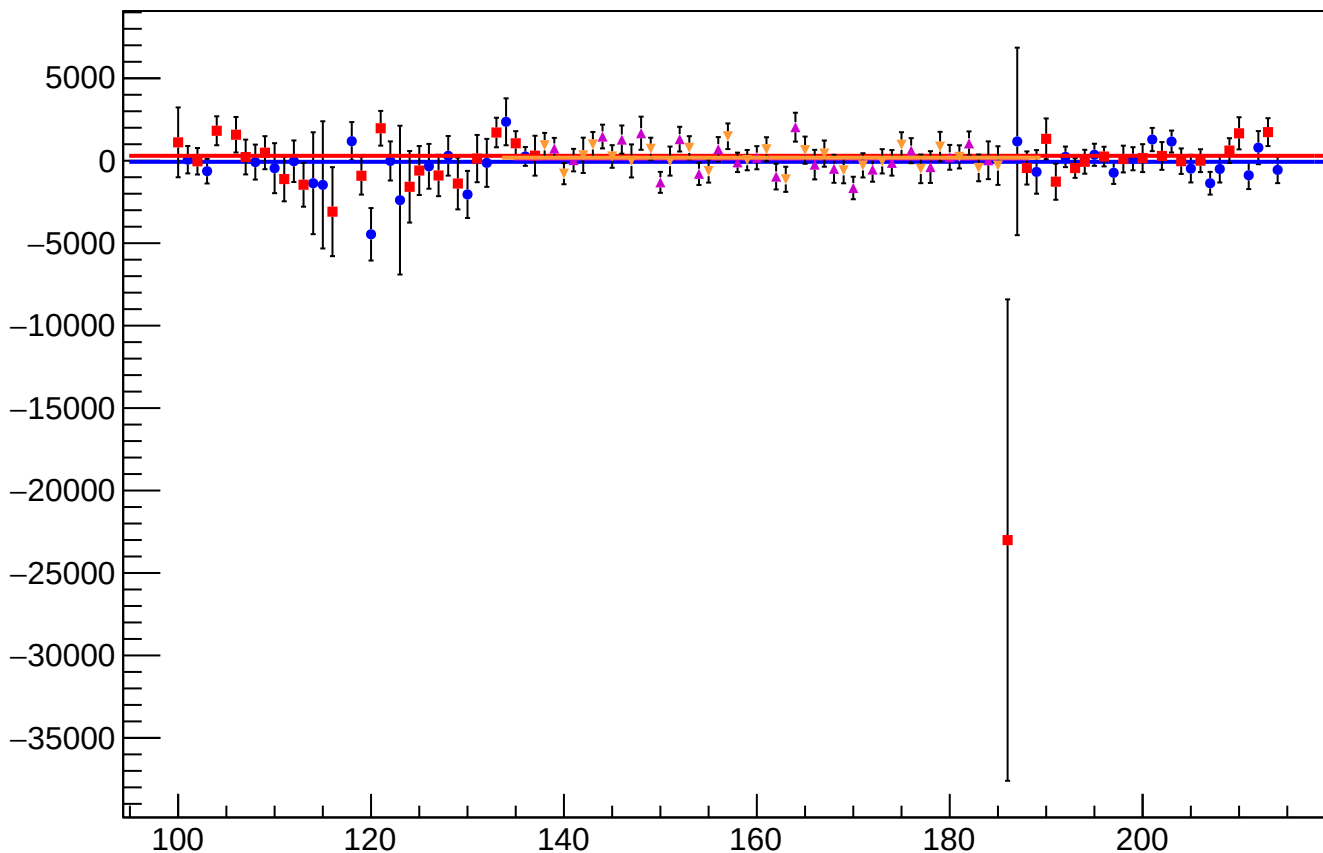
Left In: 110.173+/-0.019 χ^2/NDF : 246967.7/22

+ sign 97.689+/-0.012 χ^2/NDF : 1117595.8/55

All: 97.888+/-0.008 χ^2/NDF : 2650723.1/112

- sign 98.093+/-0.012 χ^2/NDF : 1532541.4/56

asym_sam_15_dd_correction_mean vs Slug



Right In: -66.359 ± 166.917 χ^2/NDF : 30.5/30

Left Out: 185.392 ± 153.683 χ^2/NDF : 18.4/24

Right Out: 298.646 ± 164.309 χ^2/NDF : 32.6/33

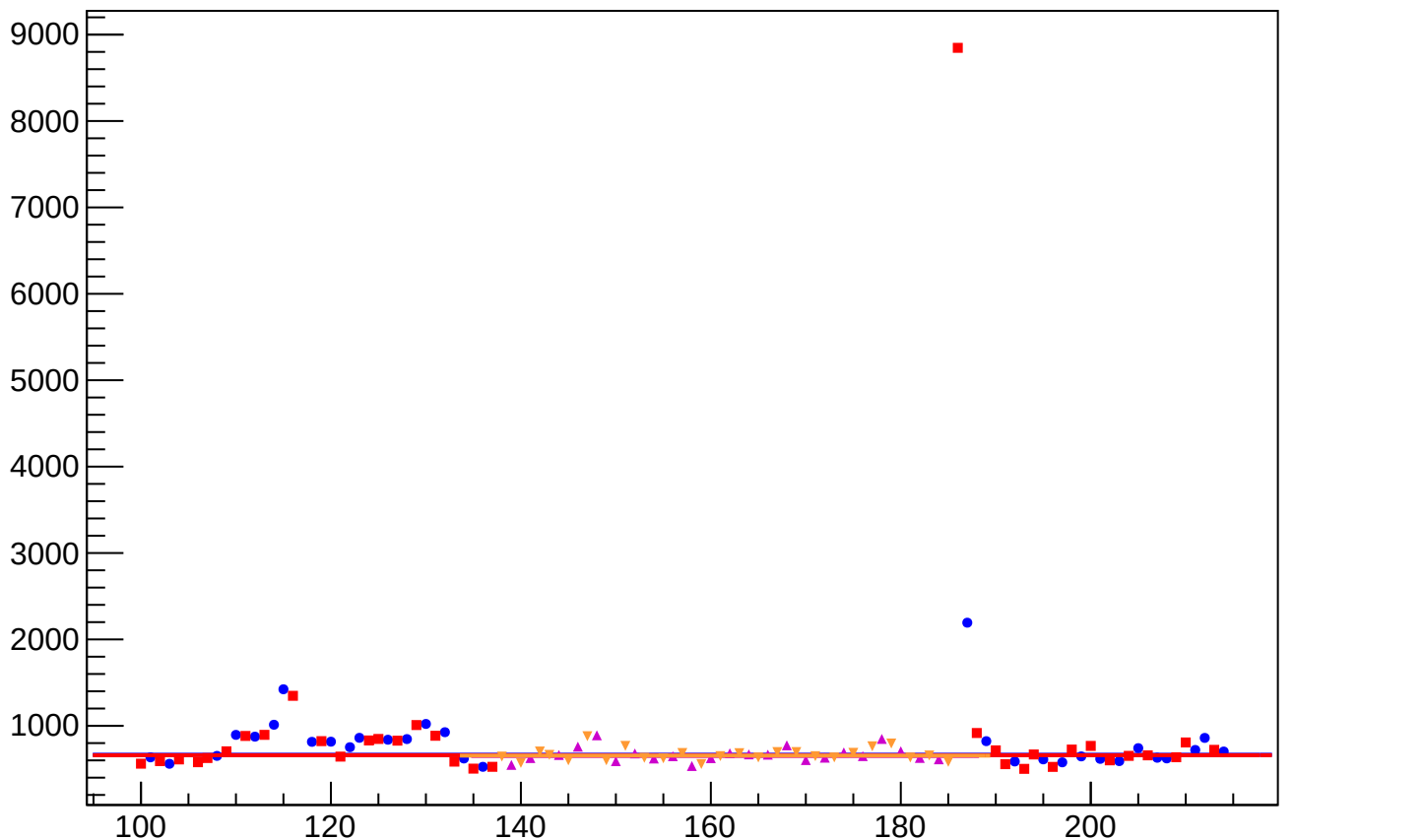
Left In: 128.782 ± 157.155 χ^2/NDF : 36.2/22

+ sign 69.891 ± 113.060 χ^2/NDF : 50.1/55

All: 139.598 ± 80.125 χ^2/NDF : 120.2/112

- sign 209.936 ± 113.570 χ^2/NDF : 69.4/56

asym_sam_15_dd_correction_rms vs Slug



Right In: 665.608 $\pm$ 0.118 χ^2 /NDF: 1101783.5/30

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 659.976 $\pm$ 0.116 χ^2 /NDF: 1826552.2/33

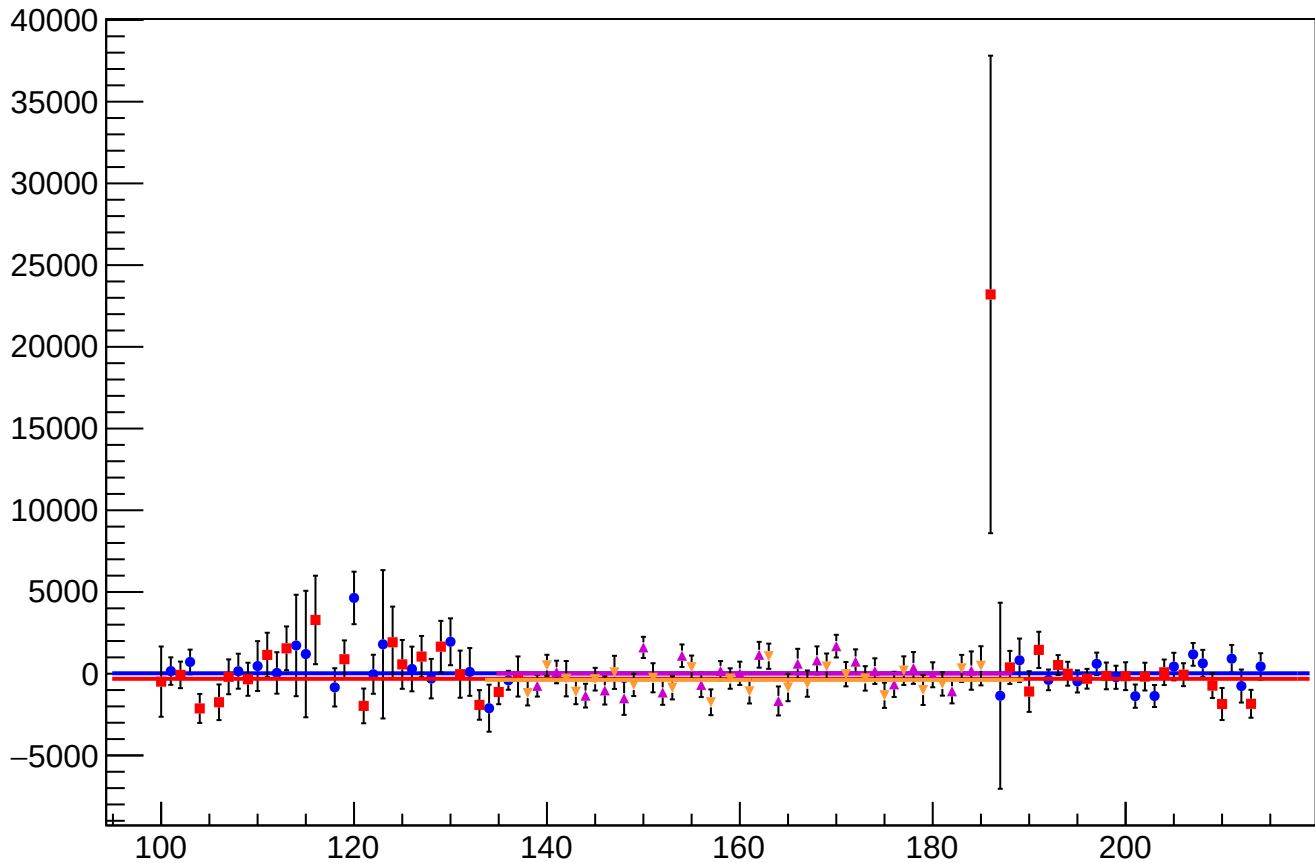
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 659.951 $\pm$ 0.080 χ^2 /NDF: 1473378.4/55

All: 657.600 $\pm$ 0.057 χ^2 /NDF: 3770983.9/112

- sign 655.227 $\pm$ 0.080 χ^2 /NDF: 2295867.7/56

asym_sam_15_dd_mean vs Slug



Right In: 24.878+/-168.563 χ^2/NDF : 30.8/30

Left Out: -379.470+/-155.892 χ^2/NDF : 18.8/24

Right Out: -311.336+/-166.031 χ^2/NDF : 37.4/33

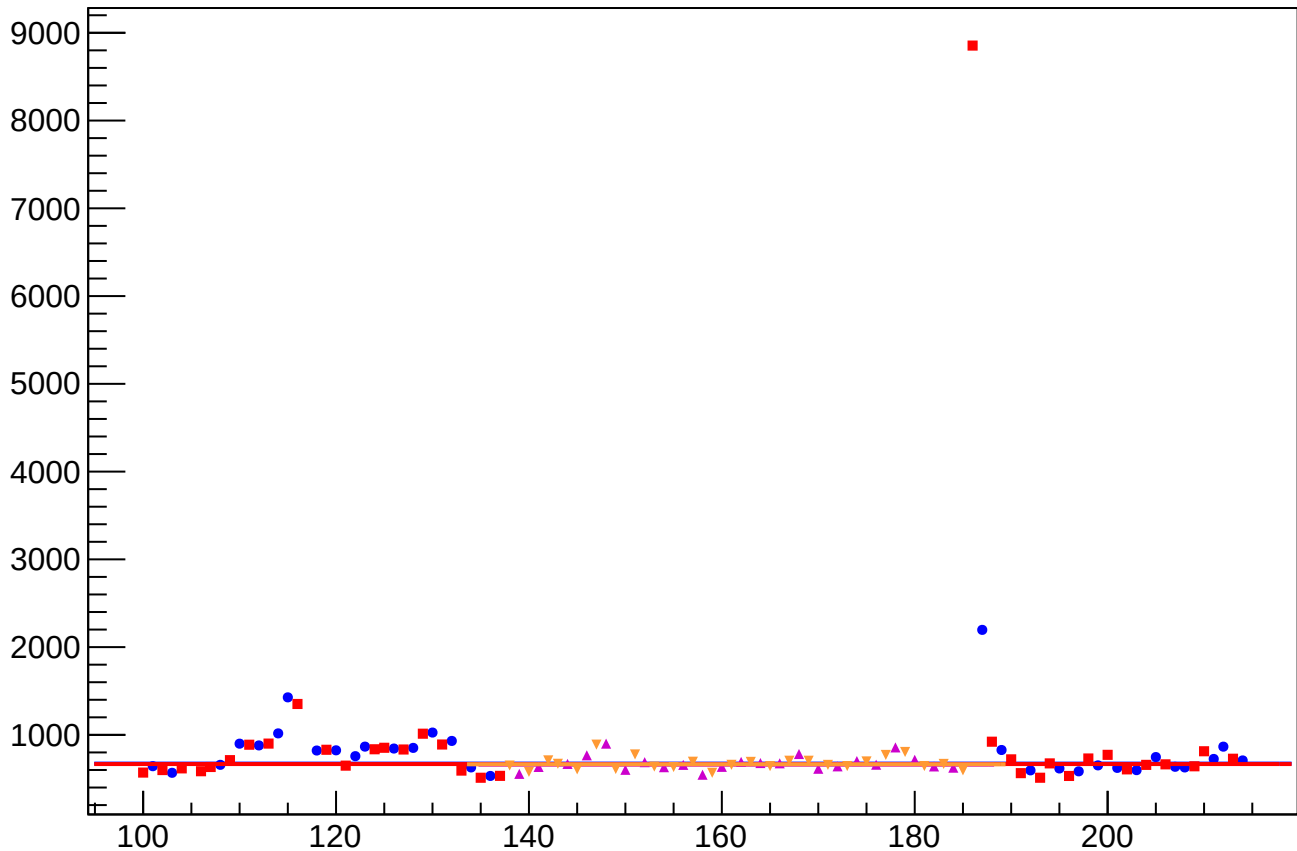
Left In: 14.768+/-159.513 χ^2/NDF : 37.2/22

+ sign -193.063+/-114.450 χ^2/NDF : 52.7/55

All: -167.539+/-81.132 χ^2/NDF : 129.4/112

- sign -141.758+/-115.028 χ^2/NDF : 76.6/56

asym_sam_15_dd_rms vs Slug



Right In: 672.576+/-0.119 χ^2/NDF : 1076651.5/30

Left Out: 664.773+/-0.110 χ^2/NDF : 357053.8/24

Right Out: 667.455+/-0.117 χ^2/NDF : 1788076.5/33

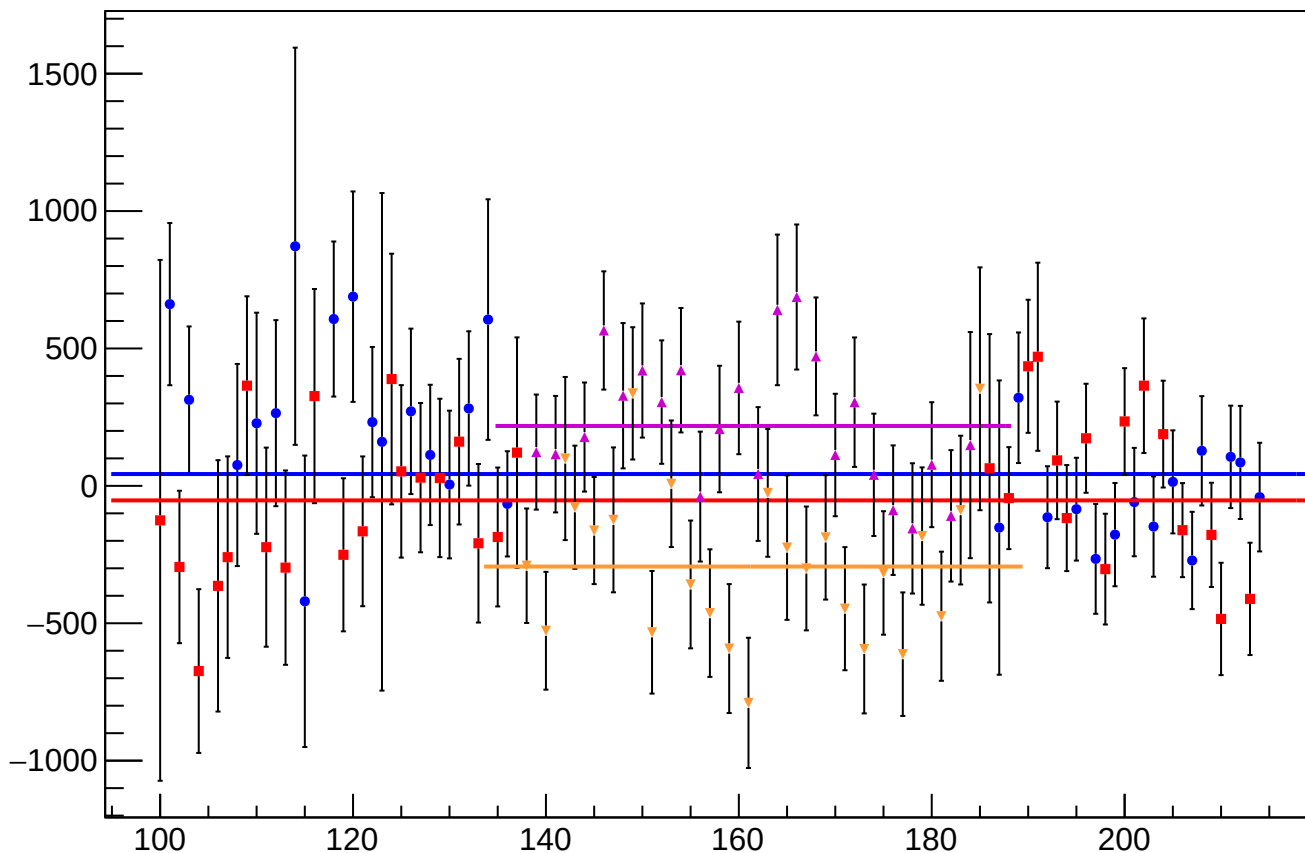
Left In: 660.890+/-0.113 χ^2/NDF : 449180.0/22

+ sign 668.370+/-0.081 χ^2/NDF : 1436015.6/55

All: 666.217+/-0.057 χ^2/NDF : 3676321.3/112

- sign 664.041+/-0.081 χ^2/NDF : 2238882.5/56

reg_asym_sam_26_dd_mean vs Slug



Right In: 43.033 ± 43.677 χ^2/NDF : 30.3/30

Left Out: -293.590 ± 47.203 χ^2/NDF : 30.3/24

Right Out: -52.863 ± 43.950 χ^2/NDF : 37.2/33

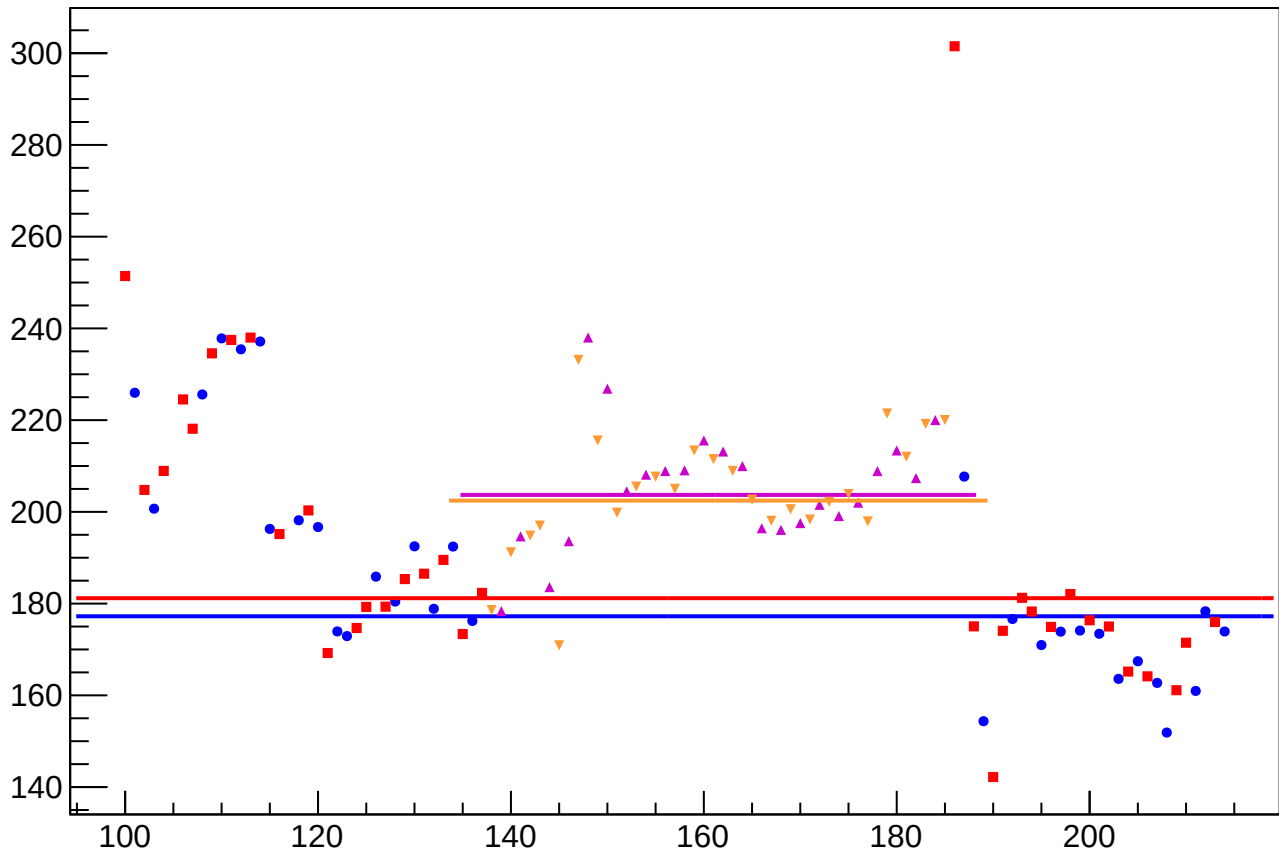
Left In: 217.964 ± 48.819 χ^2/NDF : 21.3/22

+ sign -112.240 ± 32.058 χ^2/NDF : 88.1/55

All: -23.620 ± 22.880 χ^2/NDF : 179.2/112

- sign 68.377 ± 32.664 χ^2/NDF : 75.5/56

reg_asym_sam_26_dd_rms vs Slug



Right In: 177.235 $\pm$ 0.031 χ^2 /NDF: 360387.5/30

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 181.181 $\pm$ 0.031 χ^2 /NDF: 498905.6/33

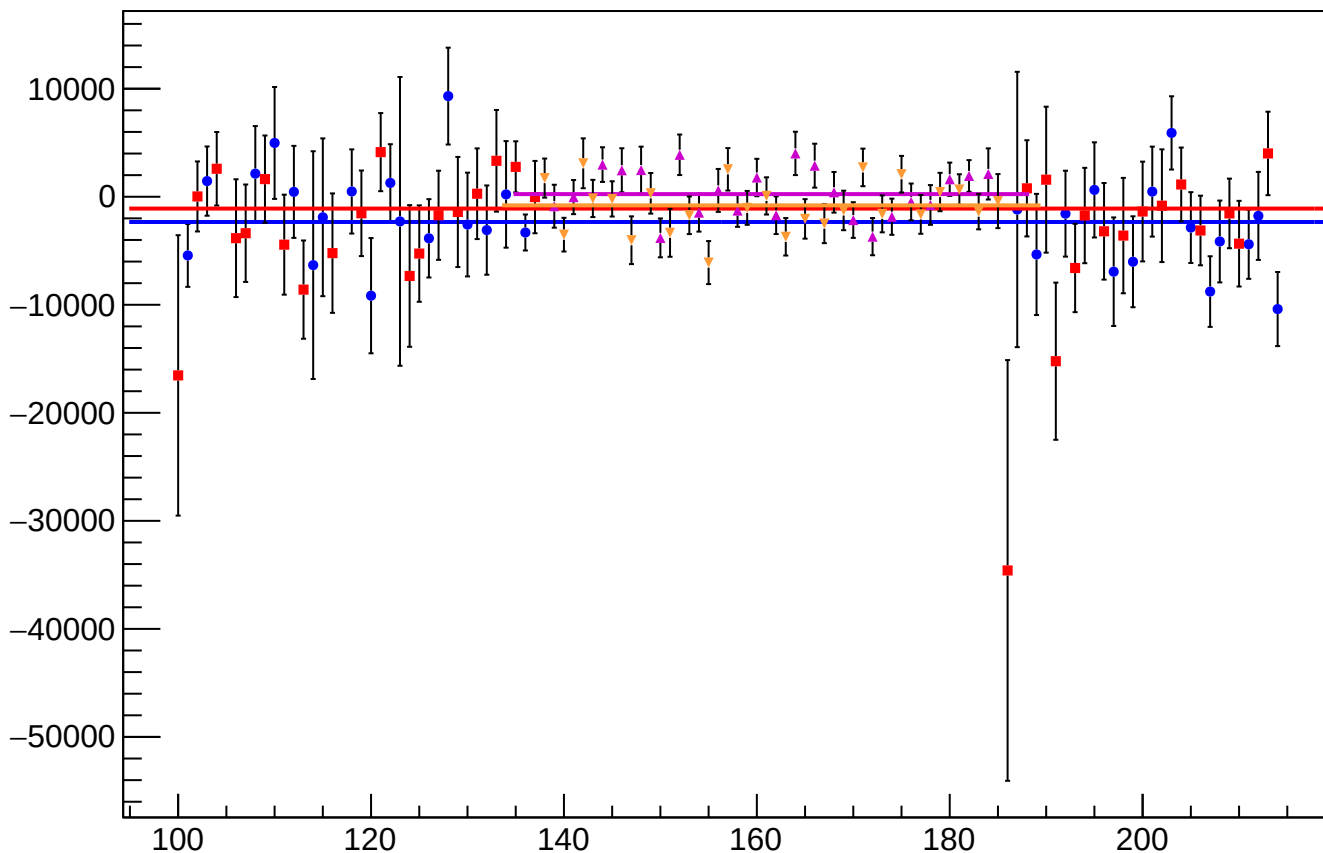
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 188.870 $\pm$ 0.023 χ^2 /NDF: 826643.1/55

All: 190.043 $\pm$ 0.016 χ^2 /NDF: 1702225.6/112

- sign 191.261 $\pm$ 0.023 χ^2 /NDF: 870120.8/56

asym_sam_26_dd_correction_mean vs Slug



Right In: -2335.747 ± 691.123 χ^2/NDF : 35.7/30

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1094.673 ± 721.170 χ^2/NDF : 27.7/33

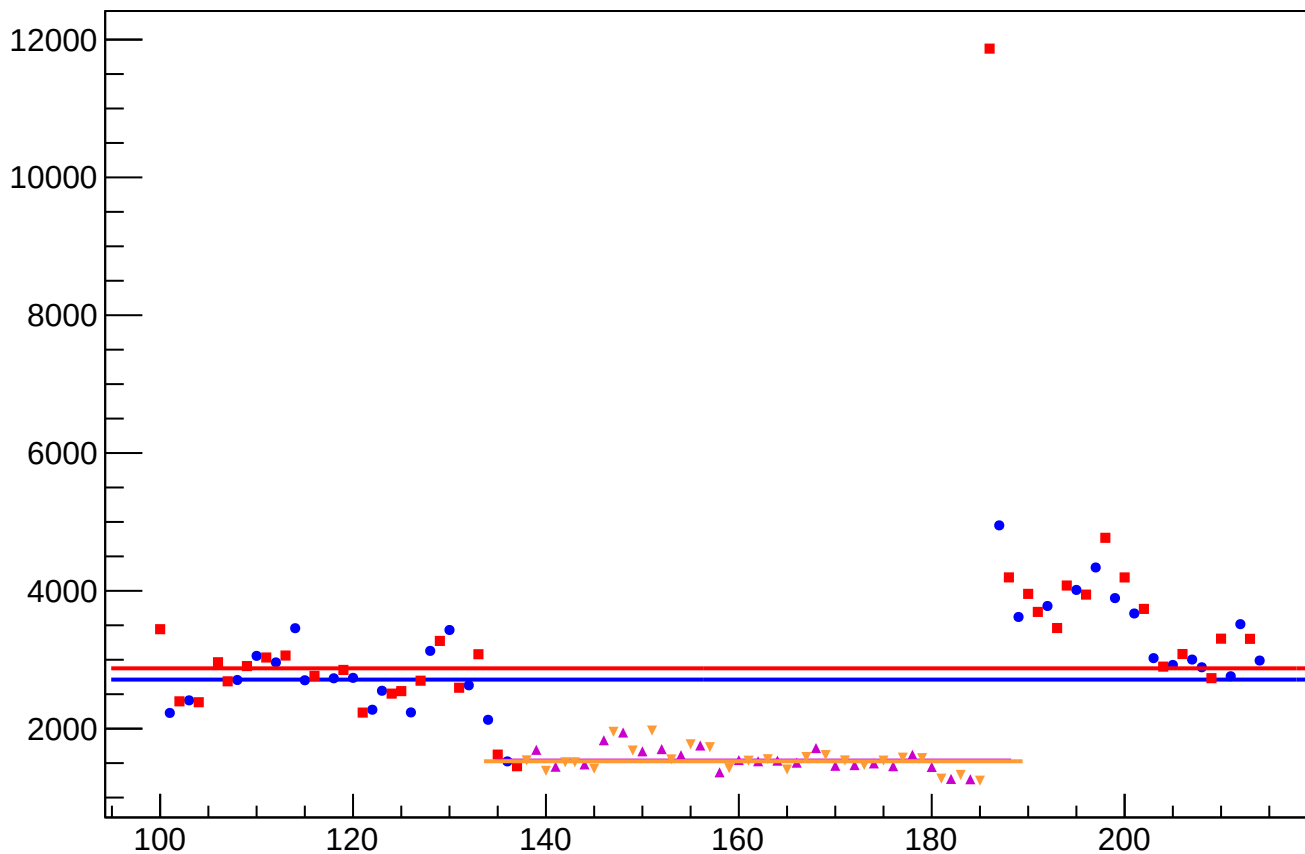
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -1121.946 ± 317.779 χ^2/NDF : 75.4/55

All: -596.942 ± 228.599 χ^2/NDF : 147.2/112

- sign -33.891 ± 329.093 χ^2/NDF : 66.2/56

asym_sam_26_dd_correction_rms vs Slug



Right In: 2711.965+/-0.489 χ^2/NDF : 2313928.6/30

Left Out: 1526.712+/-0.253 χ^2/NDF : 394892.7/24

Right Out: 2875.412+/-0.510 χ^2/NDF : 2641340.1/33

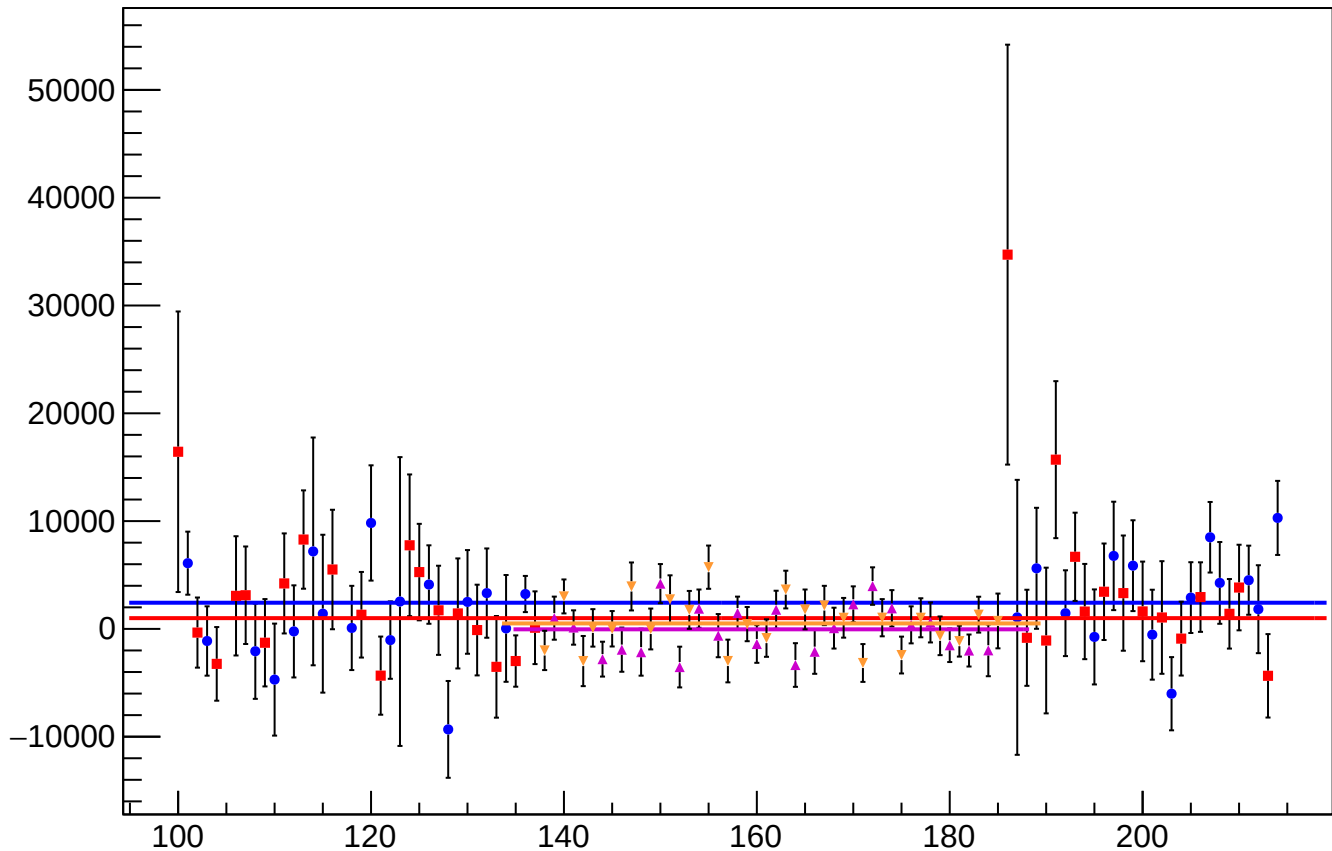
Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22

+ sign 1777.295+/-0.225 χ^2/NDF : 7347442.8/55

All: 1795.654+/-0.162 χ^2/NDF : 15810919.9/100

- sign 1815.343+/-0.233 χ^2/NDF : 8449643.0/56

asym_sam_26_dd_mean vs Slug



Right In: 2427.708+/-693.279 χ^2/NDF : 35.5/30

Left Out: 507.982+/-361.172 χ^2/NDF : 35.4/24

Right Out: 997.669+/-723.296 χ^2/NDF : 28.4/33

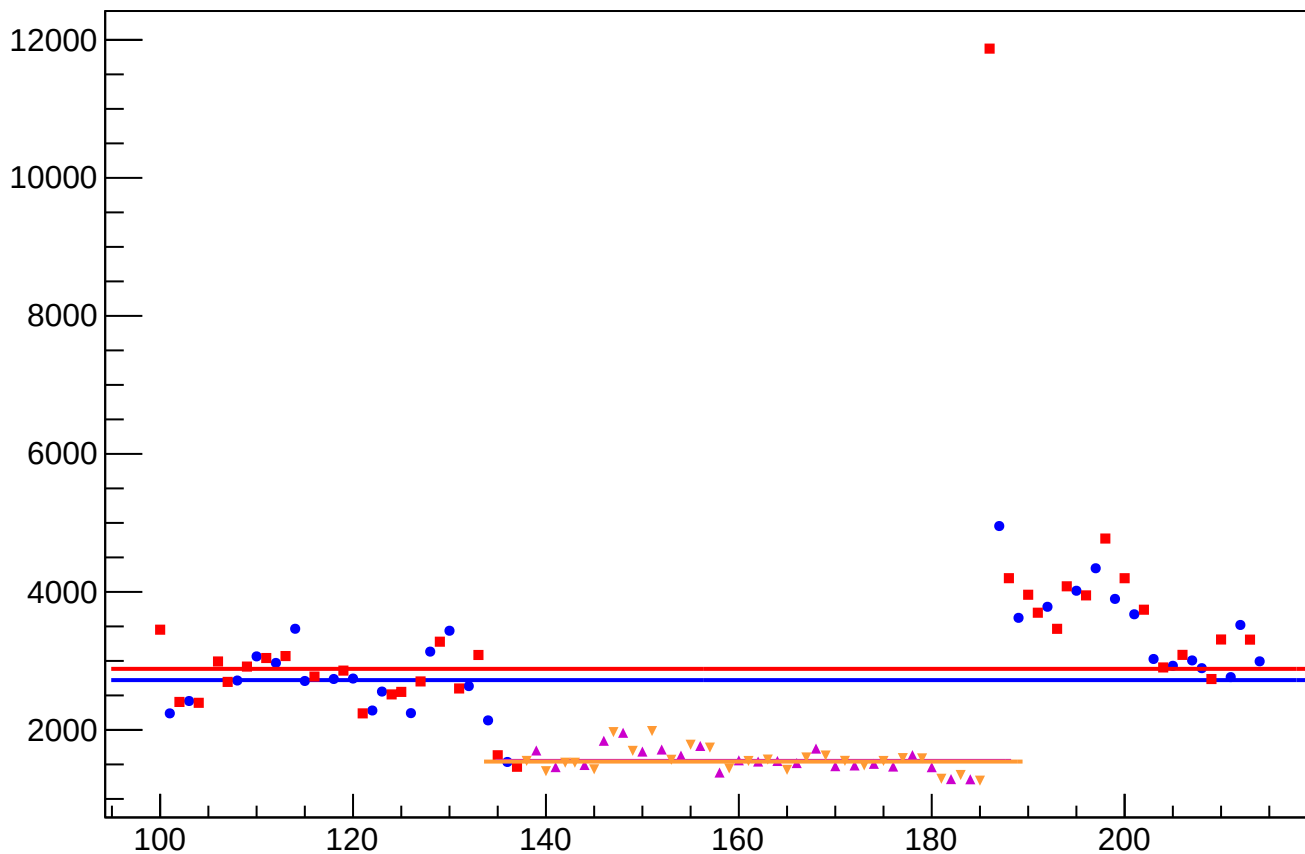
Left In: -40.080+/-373.261 χ^2/NDF : 33.6/22

+ sign 917.780+/-320.312 χ^2/NDF : 76.9/55

All: 560.884+/-230.415 χ^2/NDF : 143.1/112

- sign 178.165+/-331.697 χ^2/NDF : 63.6/56

asym_sam_26_dd_rms vs Slug



Right In: 2721.945+/-0.490 χ^2/NDF : 2281281.4/30

Left Out: 1541.258+/-0.255 χ^2/NDF : 382045.4/24

Right Out: 2884.873+/-0.511 χ^2/NDF : 2615213.9/33

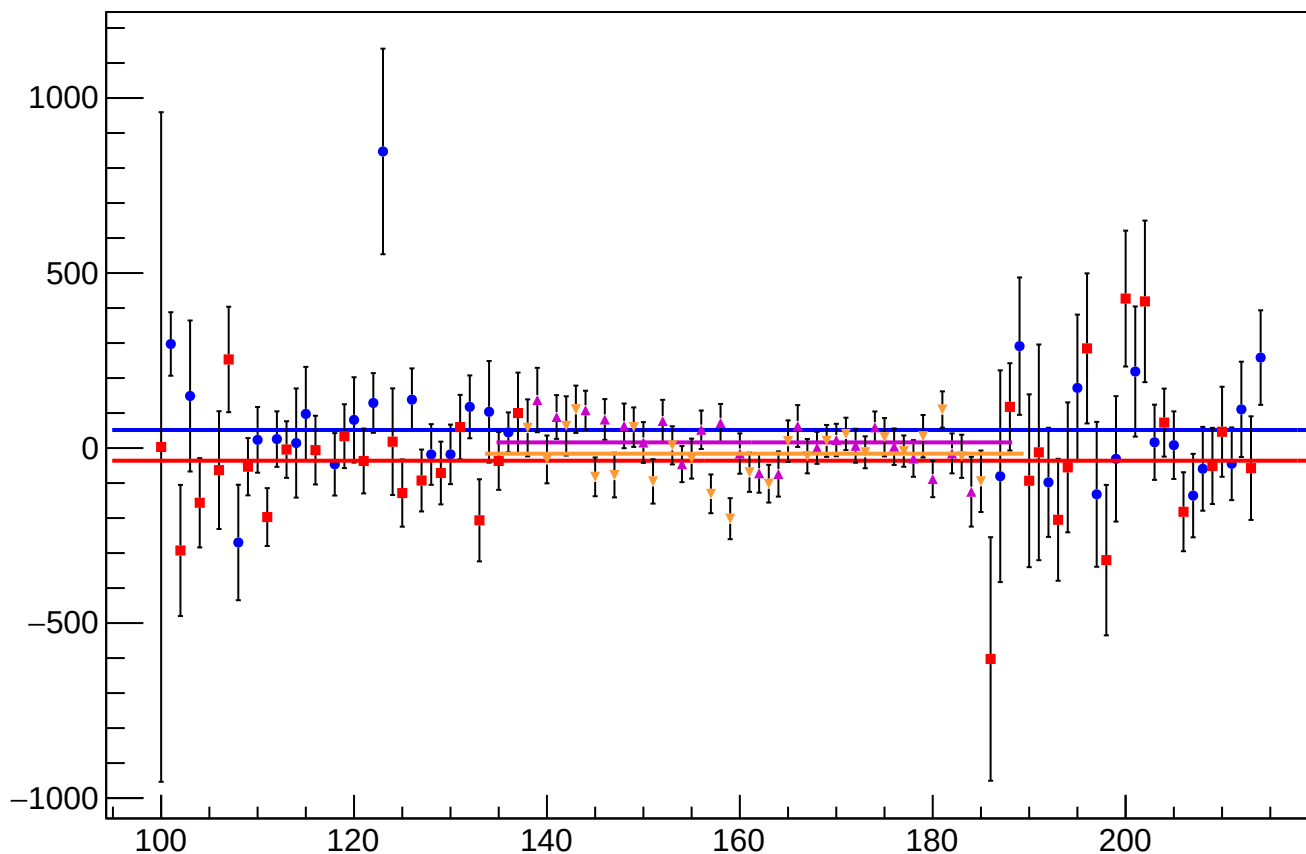
Left In: 1551.063+/-0.264 χ^2/NDF : 338898.9/22

+ sign 1793.296+/-0.226 χ^2/NDF : 7225806.6/55

All: 1811.766+/-0.163 χ^2/NDF : 15564559.4/100

- sign 1831.572+/-0.235 χ^2/NDF : 8324972.3/56

reg_asym_sam_37_dd_mean vs Slug



Right In: 51.646 ± 20.055 χ^2/NDF : 35.9/30

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -36.123 ± 20.408 χ^2/NDF : 39.5/33

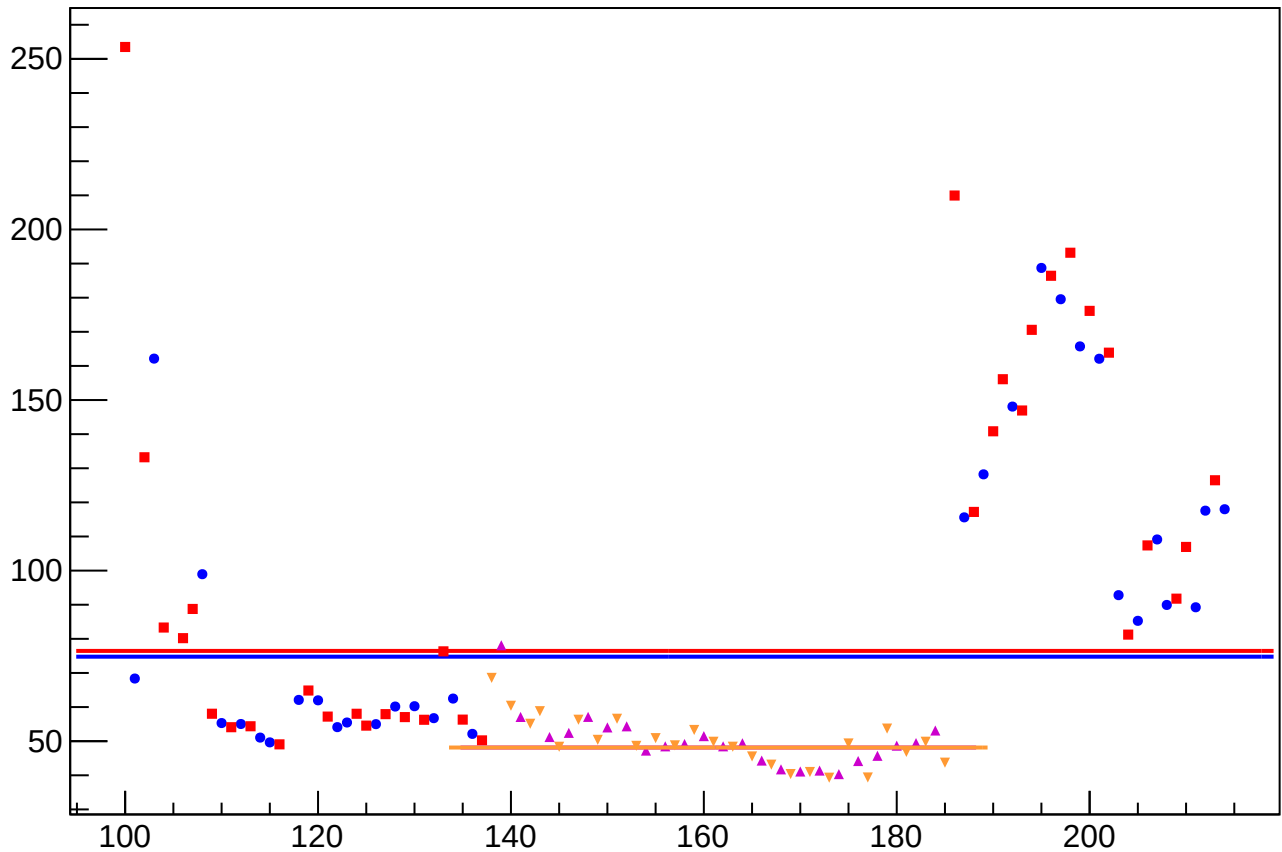
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign 0.350 ± 9.871 χ^2/NDF : 84.2/55

All: 1.794 ± 7.065 χ^2/NDF : 153.9/112

- sign 3.312 ± 10.117 χ^2/NDF : 69.7/56

reg_asym_sam_37_dd_rms vs Slug



Right In: 74.771 $\pm$ 0.014 χ^2 /NDF: 4925833.9/30

Left Out: 48.141 $\pm$ 0.008 χ^2 /NDF: 655250.3/24

Right Out: 76.463 $\pm$ 0.014 χ^2 /NDF: 5662339.2/33

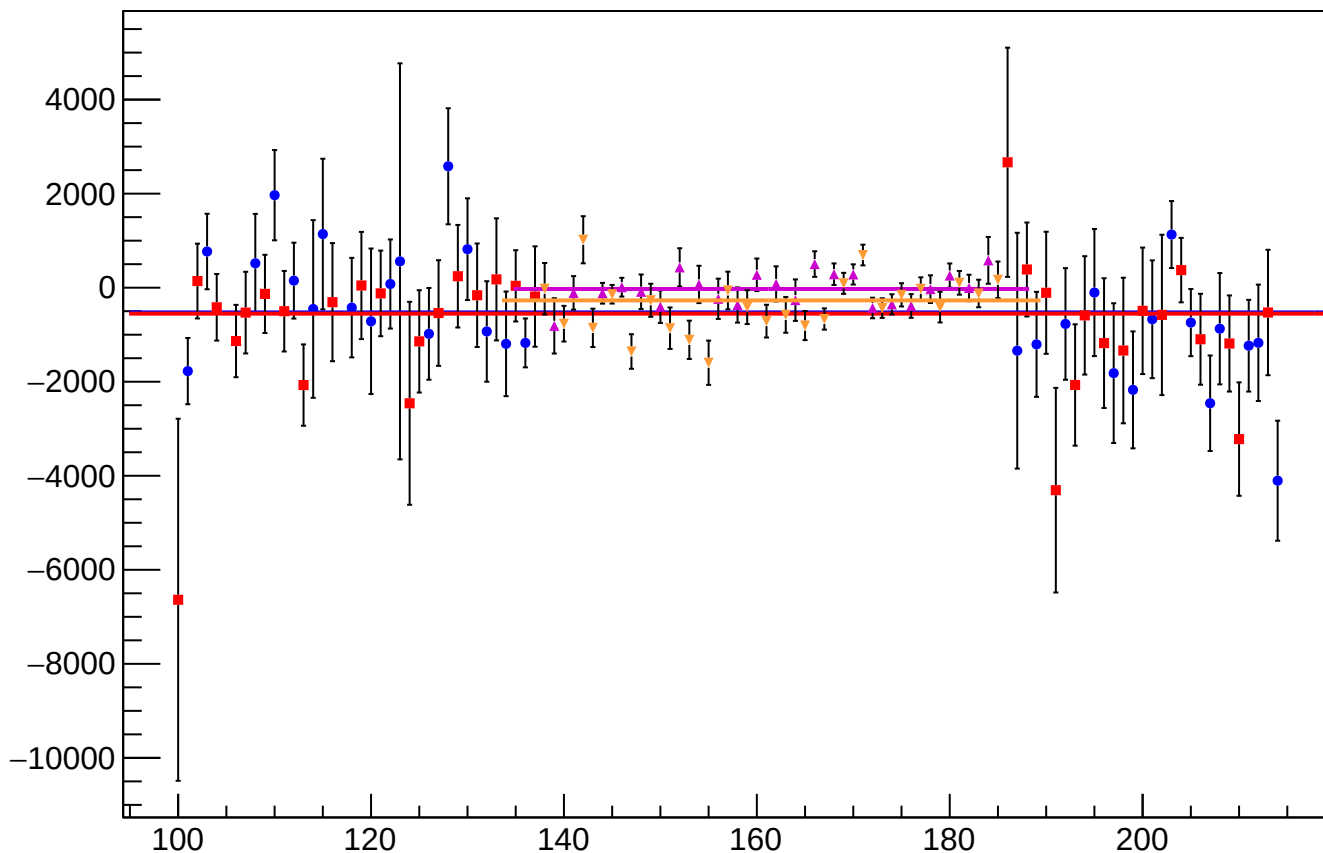
Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

+ sign 54.592 $\pm$ 0.007 χ^2 /NDF: 8253088.7/55

All: 54.840 $\pm$ 0.005 χ^2 /NDF: 17398657.7/112

- sign 55.100 $\pm$ 0.007 χ^2 /NDF: 9142984.2/56

asym_sam_37_dd_correction_mean vs Slug



Right In: -525.649 ± 182.343 $\chi^2/\text{NDF}: 46.9/30$

Left Out: -270.214 ± 60.177 $\chi^2/\text{NDF}: 70.1/24$

Right Out: -551.846 ± 180.781 $\chi^2/\text{NDF}: 25.5/33$

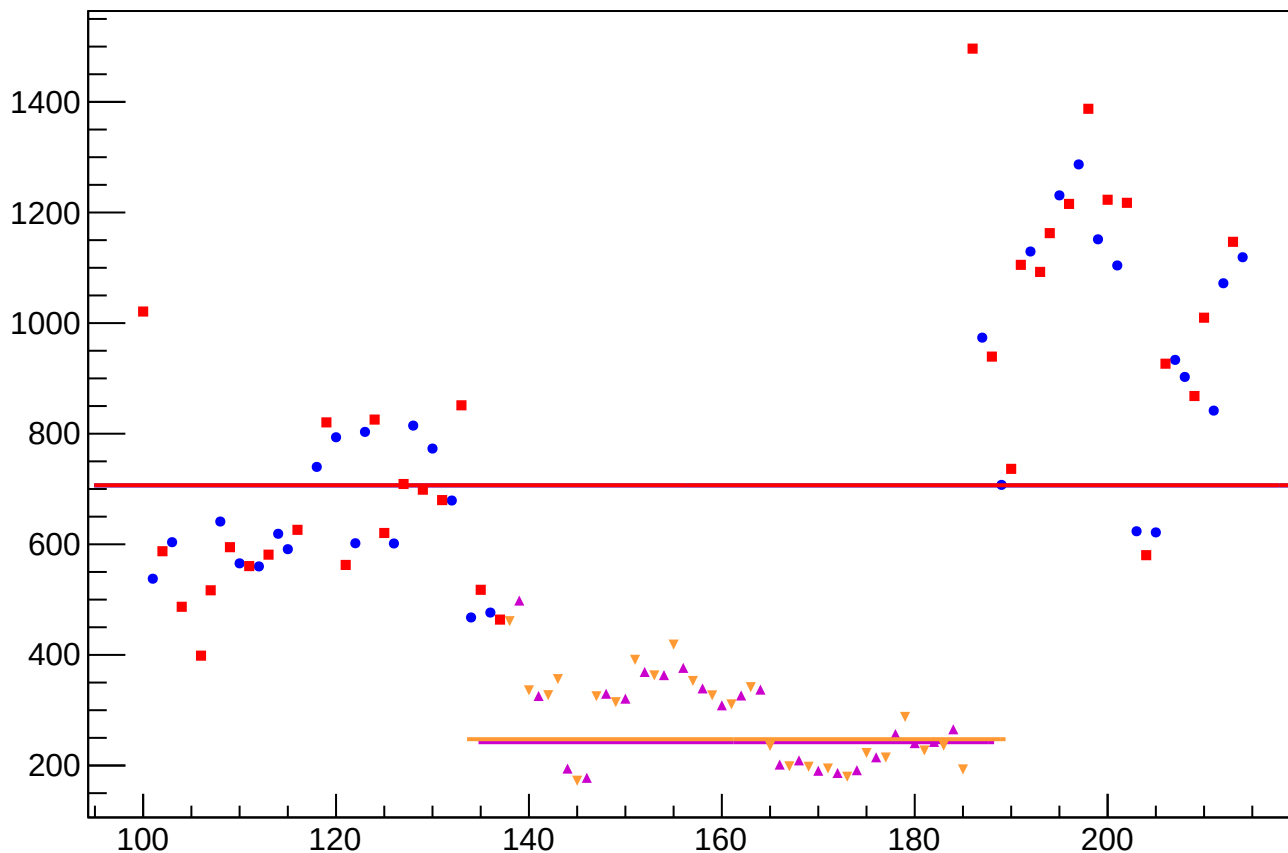
Left In: -27.271 ± 60.430 $\chi^2/\text{NDF}: 25.1/22$

+ sign -295.302 ± 57.146 $\chi^2/\text{NDF}: 118.8/55$

All: -187.963 ± 40.467 $\chi^2/\text{NDF}: 184.0/112$

- sign -79.995 ± 57.313 $\chi^2/\text{NDF}: 58.1/56$

asym_sam_37_dd_correction_rms vs Slug



Right In: 706.437 $\pm$ 0.129 χ^2 /NDF: 2816458.5/30

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 706.784 $\pm$ 0.128 χ^2 /NDF: 3680657.8/33

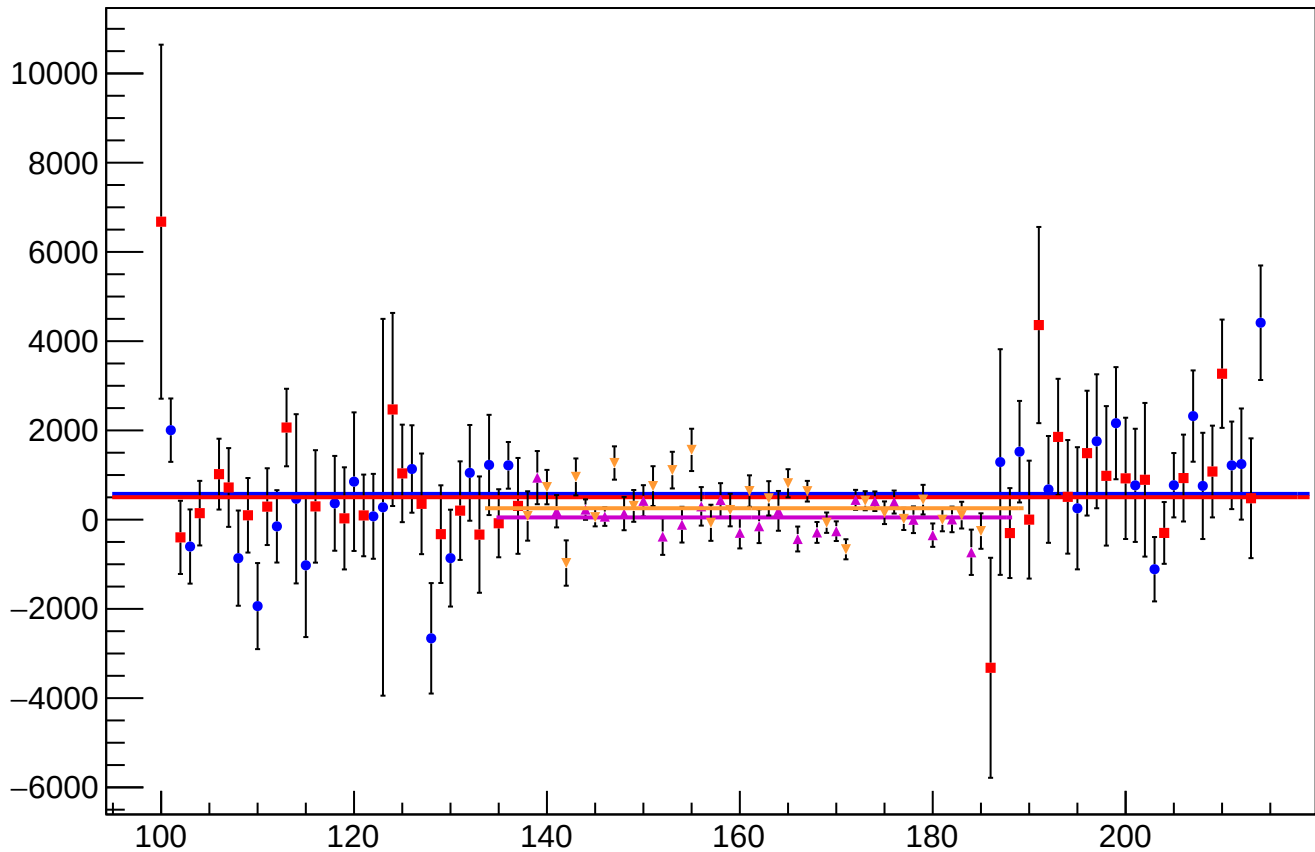
Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

+ sign 292.639 $\pm$ 0.040 χ^2 /NDF: 17018898.6/55

All: 290.735 $\pm$ 0.029 χ^2 /NDF: 35055283.1/11

- sign 288.819 $\pm$ 0.041 χ^2 /NDF: 18031930.0/56

asym_sam_37_dd_mean vs Slug



Right In: 577.054 $\pm$ 183.984 χ^2 /NDF: 49.0/30

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF:63.6/24

Right Out: 502.472 $\pm$ 182.736 χ^2 /NDF: 26.2/33

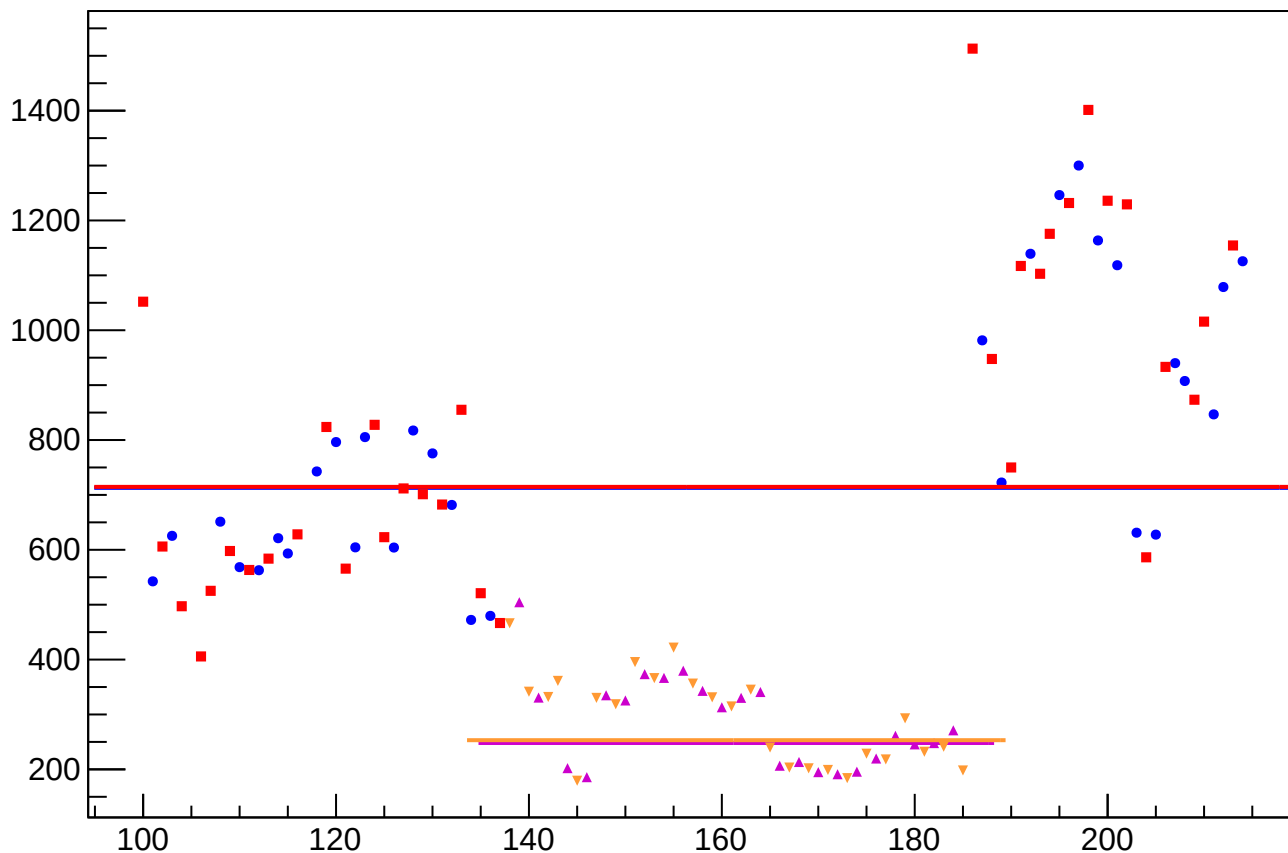
Left In: 49.832 $\pm$ 61.781 χ^2 /NDF:27.5/22

+ sign 288.186 $\pm$ 58.258 χ^2 /NDF: 115.3/55

All: 192.666 $\pm$ 41.289 χ^2 /NDF: 179.9/112

- sign 96.263 $\pm$ 58.527 χ^2 /NDF: 59.2/56

asym_sam_37_dd_rms vs Slug



Right In: 712.870 $\pm$ 0.130 χ^2 /NDF: 2814260.2/30

Left Out: 253.137 $\pm$ 0.043 χ^2 /NDF: 2665975.8/24

Right Out: 714.643 $\pm$ 0.129 χ^2 /NDF: 3644834.3/33

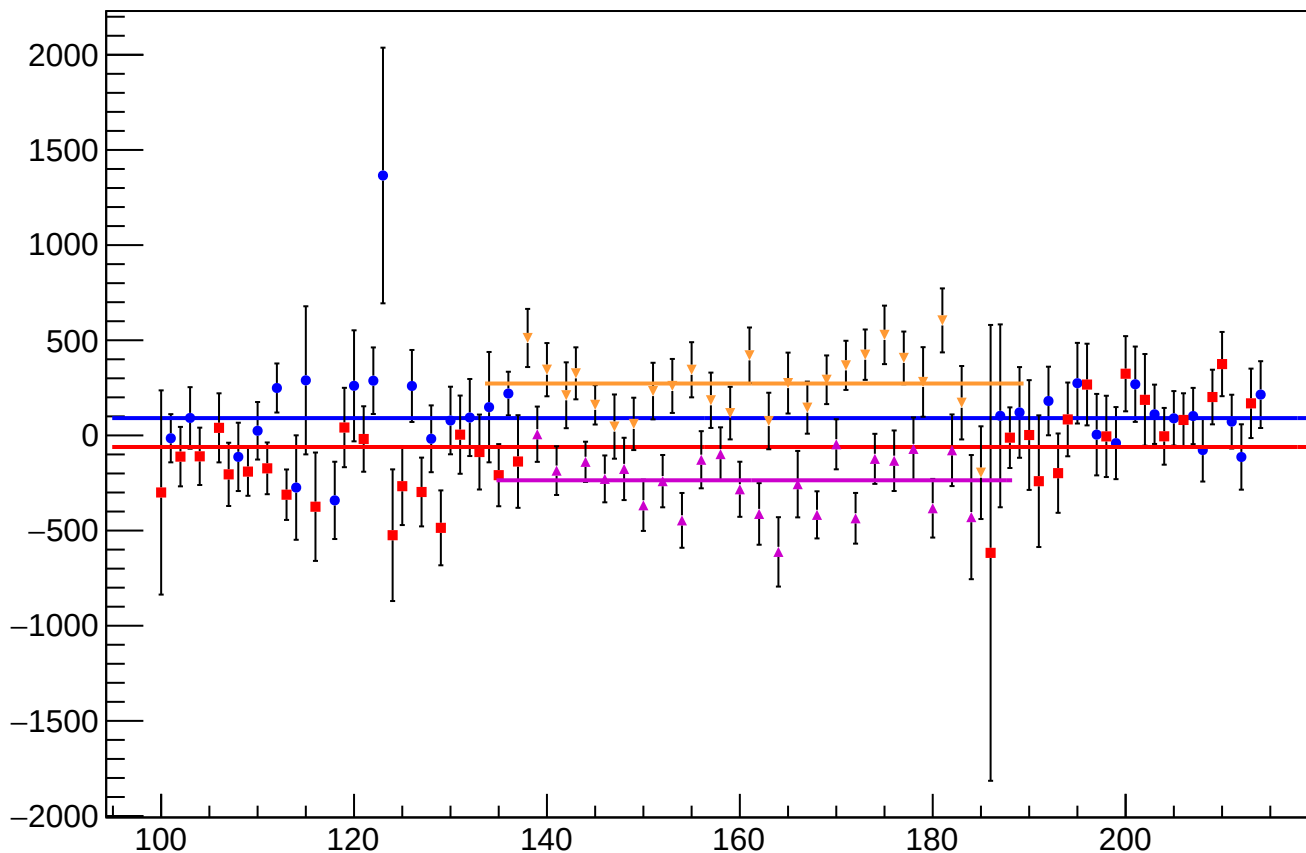
Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

+ sign 299.232 $\pm$ 0.041 χ^2 /NDF: 16715846.3/55

All: 297.588 $\pm$ 0.029 χ^2 /NDF: 34408057.4/11

- sign 295.929 $\pm$ 0.041 χ^2 /NDF: 17689011.4/56

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.988 ± 32.109 $\chi^2/\text{NDF}: 23.4/30$

Left Out: 272.684 ± 29.221 $\chi^2/\text{NDF}: 27.4/24$

Right Out: -60.847 ± 31.690 $\chi^2/\text{NDF}: 40.1/33$

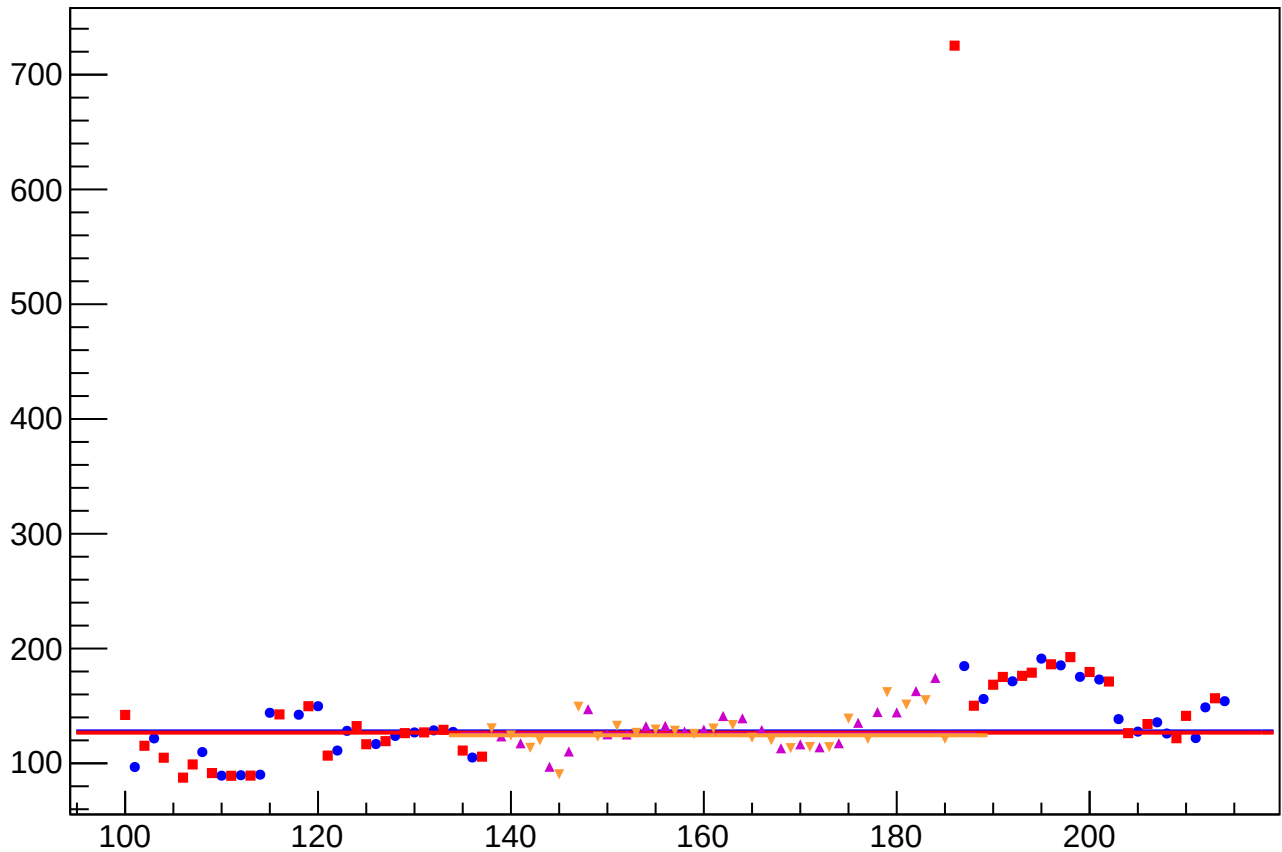
Left In: -235.801 ± 30.232 $\chi^2/\text{NDF}: 24.6/22$

+ sign 190.373 ± 21.612 $\chi^2/\text{NDF}: 68.3/55$

All: 21.037 ± 15.374 $\chi^2/\text{NDF}: 273.3/112$

- sign -152.442 ± 21.874 $\chi^2/\text{NDF}: 80.7/56$

reg_asym_sam_48_dd_rms vs Slug



Right In: 127.824+/-0.023 χ^2/NDF : 1437528.2/30

Left Out: 124.429+/-0.021 χ^2/NDF : 539731.8/24

Right Out: 126.736+/-0.022 χ^2/NDF : 2284102.9/33

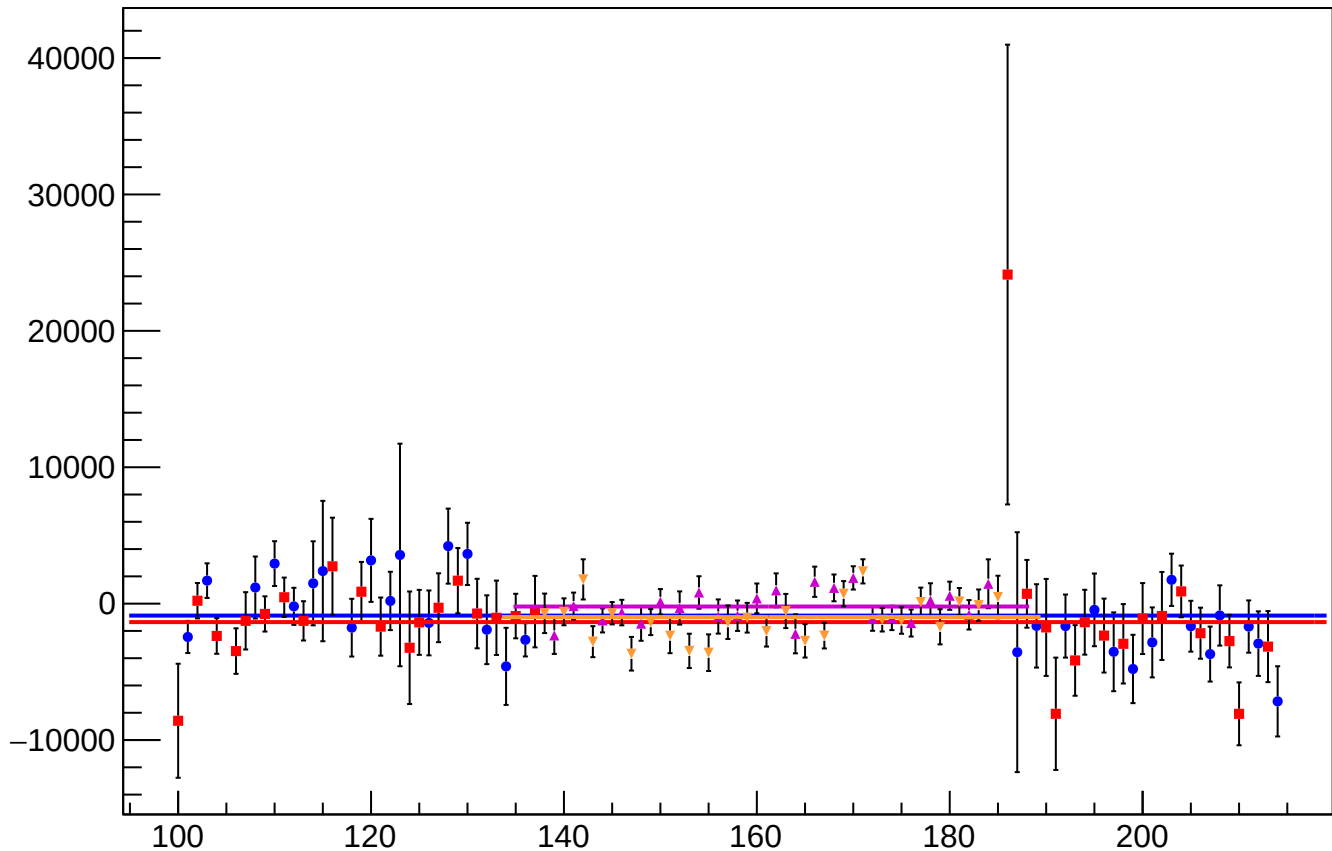
Left In: 125.205+/-0.021 χ^2/NDF : 501388.2/22

+ sign 125.967+/-0.015 χ^2/NDF : 1989489.7/55

All: 125.951+/-0.011 χ^2/NDF : 4777426.1/112

- sign 125.934+/-0.015 χ^2/NDF : 2787934.3/56

asym_sam_48_dd_correction_mean vs Slug



Right In: -875.863 ± 375.237 χ^2/NDF : 42.3/30

Left Out: -982.839 ± 218.021 χ^2/NDF : 47.2/24

Right Out: -1352.834 ± 363.683 χ^2/NDF : 31.5/33

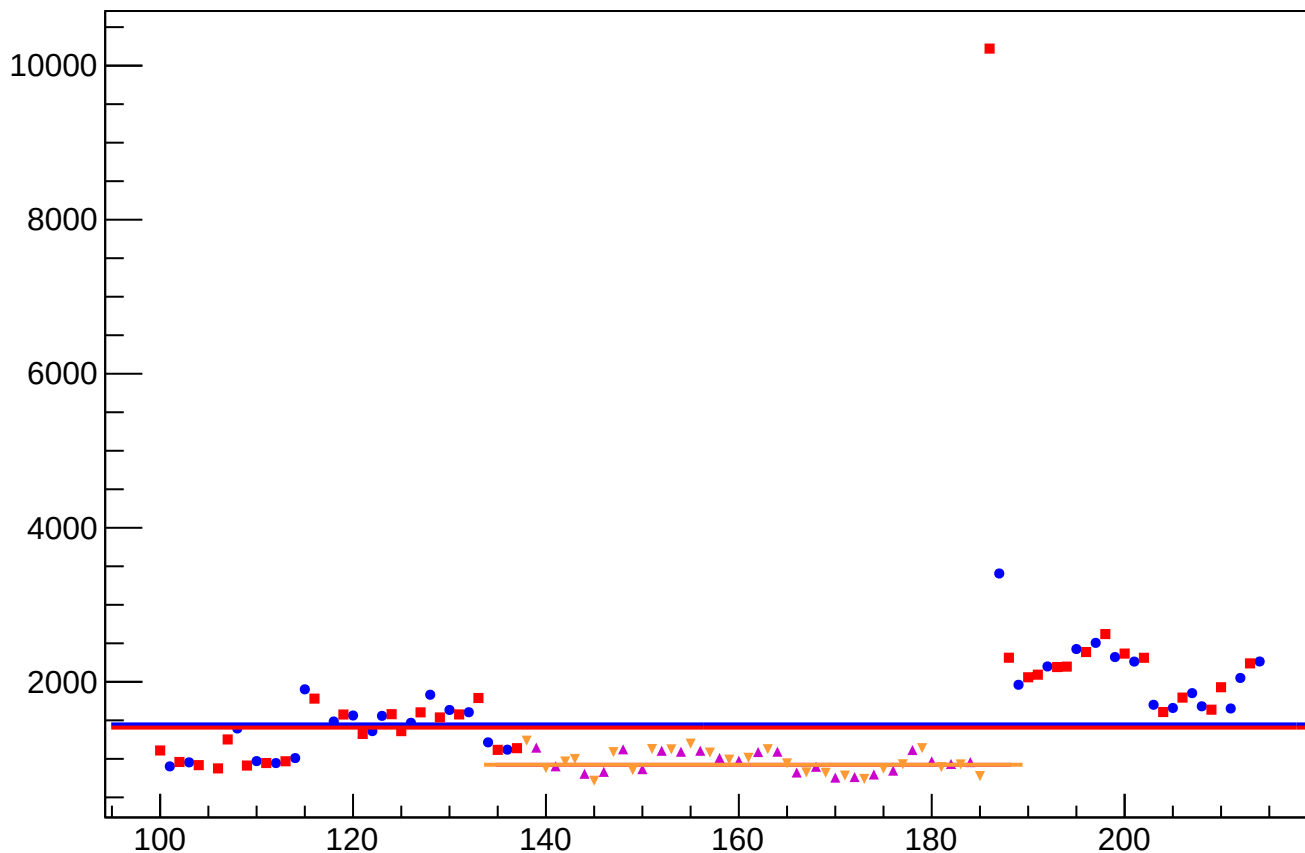
Left In: -211.420 ± 223.296 χ^2/NDF : 25.7/22

+ sign -955.840 ± 188.511 χ^2/NDF : 89.6/55

All: -741.903 ± 133.922 χ^2/NDF : 156.5/112

- sign -523.908 ± 190.291 χ^2/NDF : 64.3/56

asym_sam_48_dd_correction_rms vs Slug



Right In: 1447.177+/-0.265 χ^2/NDF : 3324958.4/30

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

+ sign 1055.733+/-0.133 χ^2/NDF : 7078970.6/55

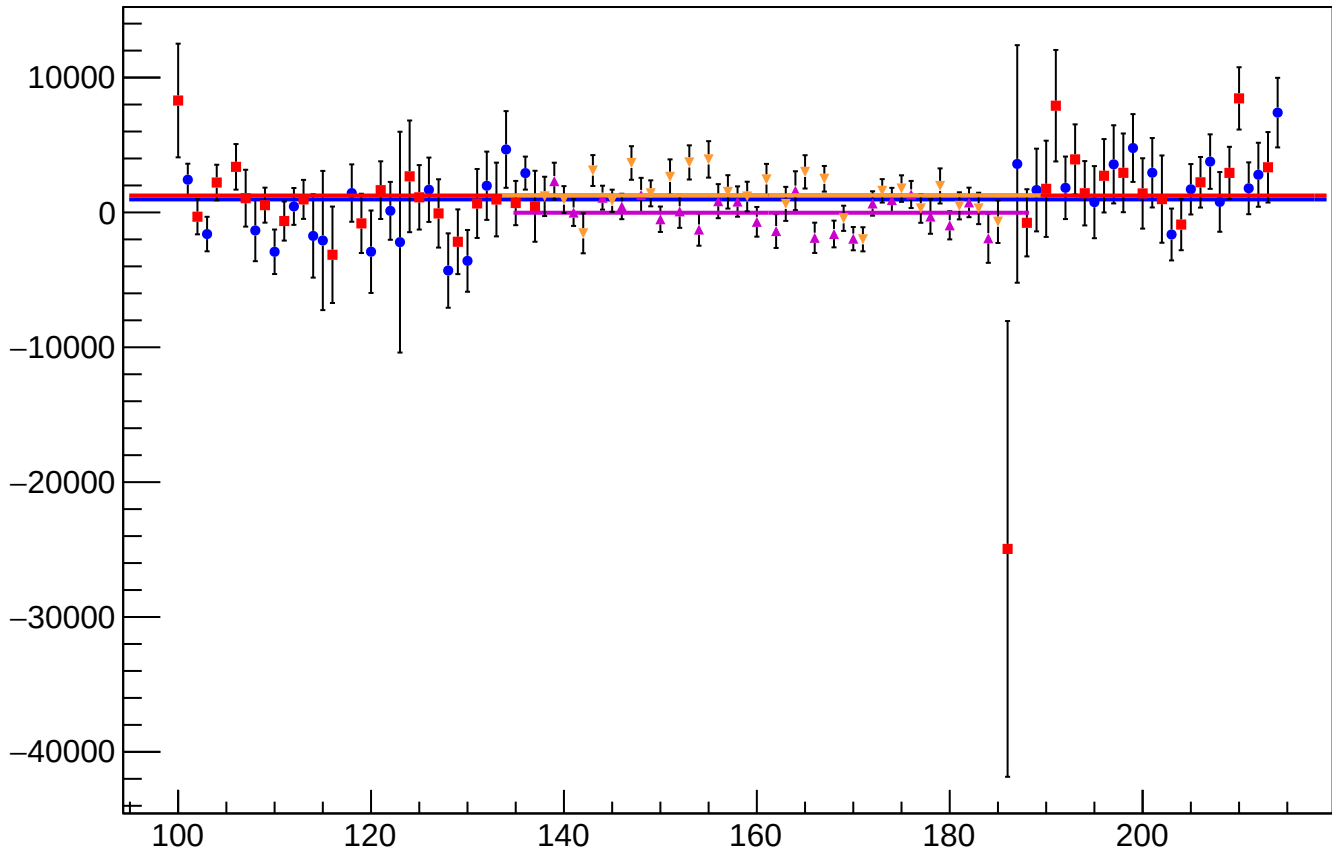
Right Out: 1405.940+/-0.257 χ^2/NDF : 4436961.8/33

All: 1055.205+/-0.095 χ^2/NDF : 14719891.0/100

Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

- sign 1054.668+/-0.135 χ^2/NDF : 7640888.8/56

asym_sam_48_dd_mean vs Slug



Right In: 963.360 ± 376.823 χ^2/NDF : 42.3/30

Left Out: 1267.344 ± 220.133 χ^2/NDF : 44.9/24

Right Out: 1254.671 ± 365.396 χ^2/NDF : 33.6/33

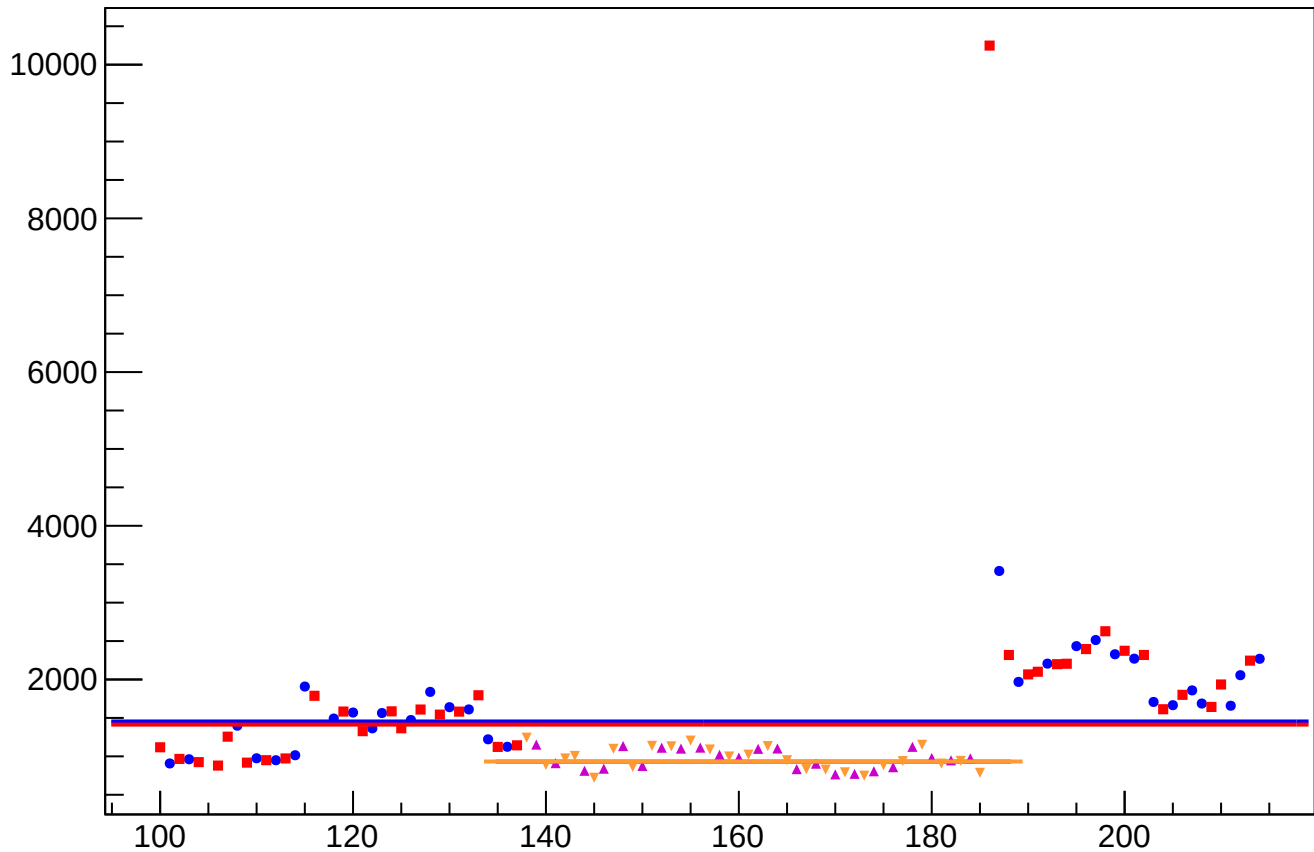
Left In: -23.478 ± 225.490 χ^2/NDF : 27.2/22

+ sign 1189.999 ± 190.076 χ^2/NDF : 87.8/55

All: 763.609 ± 135.042 χ^2/NDF : 167.5/112

- sign 329.031 ± 191.893 χ^2/NDF : 69.6/56

asym_sam_48_dd_rms vs Slug



Right In: 1453.860+/-0.266 χ^2/NDF : 3303038.8/30

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1413.007+/-0.258 χ^2/NDF : 4410731.8/33

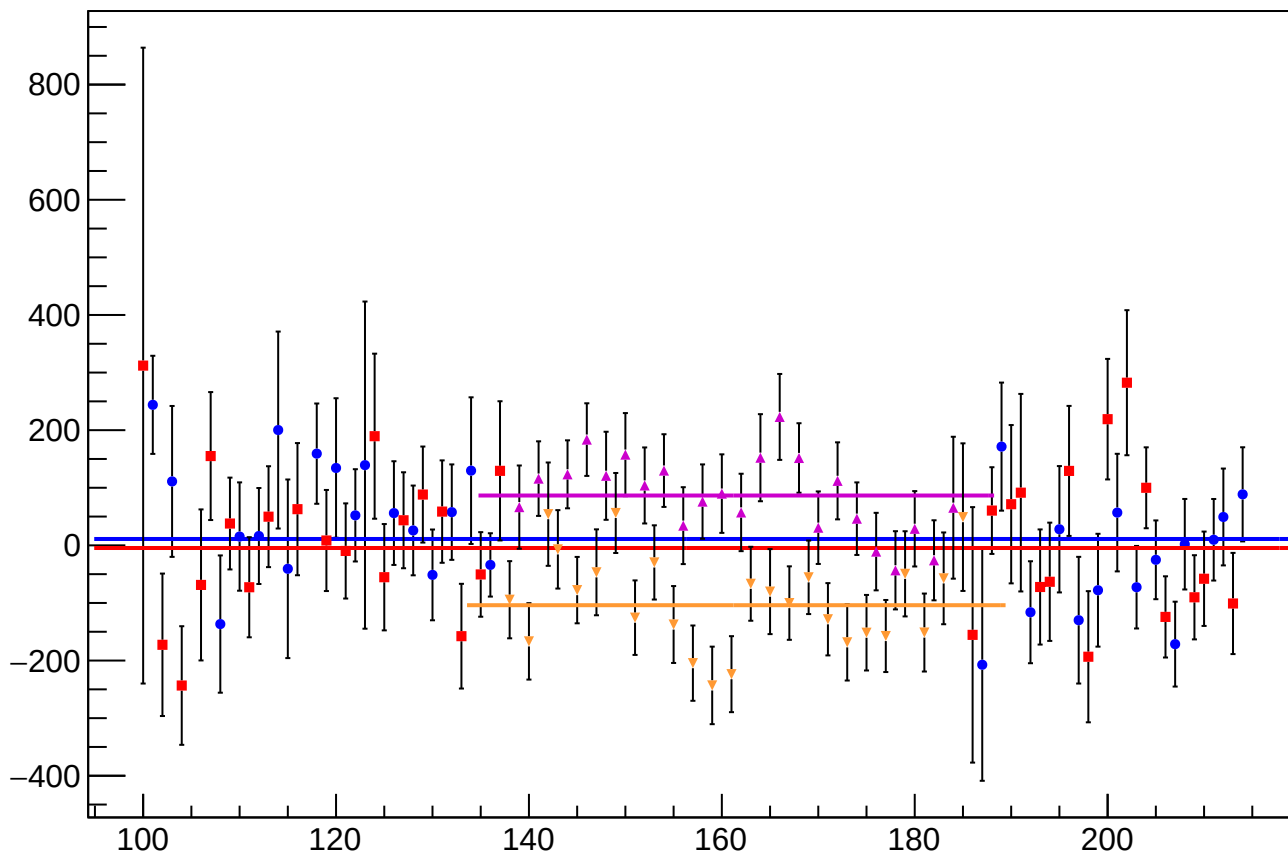
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1065.350+/-0.134 χ^2/NDF : 6984356.0/55

All: 1064.827+/-0.095 χ^2/NDF : 14534811.9/100

- sign 1064.293+/-0.136 χ^2/NDF : 7550425.2/56

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 11.081 ± 16.222 χ^2/NDF : 35.0/30

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: -4.594 ± 16.464 χ^2/NDF : 44.8/33

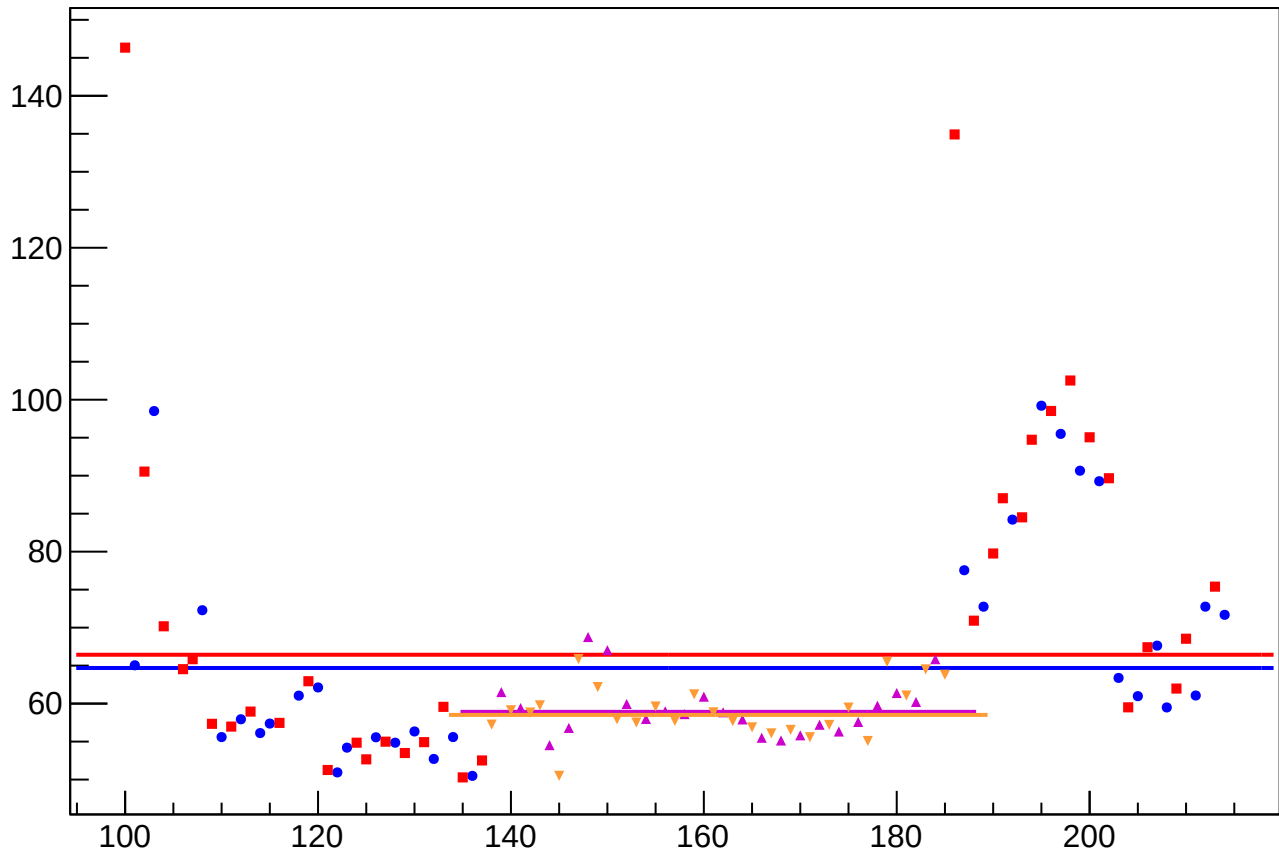
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -56.270 ± 10.441 χ^2/NDF : 94.4/55

All: -5.540 ± 7.479 χ^2/NDF : 226.7/112

- sign 47.919 ± 10.718 χ^2/NDF : 83.8/56

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.688 $\pm$ 0.011 χ^2 /NDF: 1293438.0/30

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 66.431 $\pm$ 0.012 χ^2 /NDF: 1672347.0/33

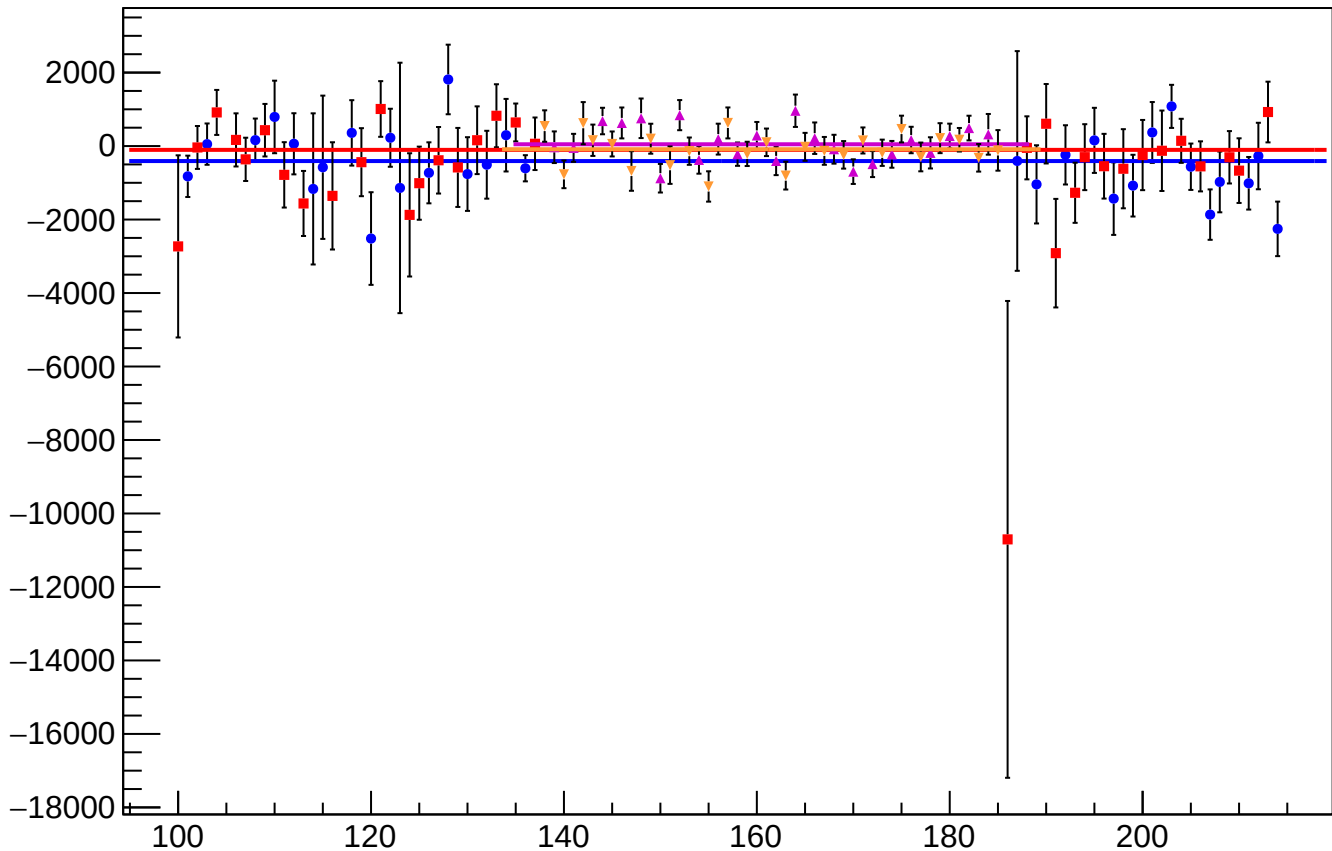
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 61.071 $\pm$ 0.007 χ^2 /NDF: 1586393.2/55

All: 61.572 $\pm$ 0.005 χ^2 /NDF: 3618417.3/112

- sign 62.099 $\pm$ 0.008 χ^2 /NDF: 2022574.6/56

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -408.237 ± 139.875 χ^2/NDF : 36.7/30

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -103.611 ± 142.397 χ^2/NDF : 28.7/33

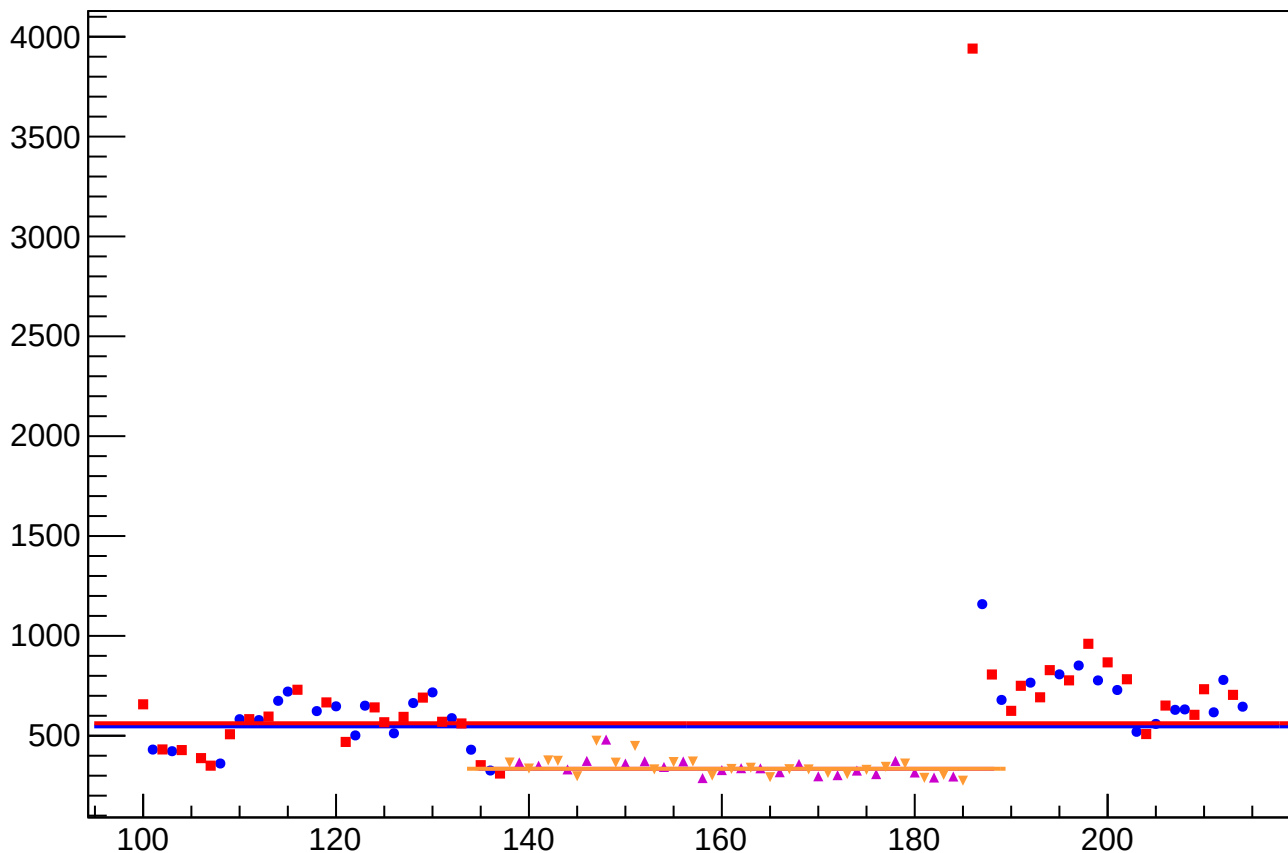
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -164.376 ± 68.494 χ^2/NDF : 68.5/55

All: -78.336 ± 48.993 χ^2/NDF : 136.6/112

- sign 11.811 ± 70.109 χ^2/NDF : 64.9/56

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 546.984 $\pm$ 0.099 χ^2 /NDF: 2456535.1/30

Left Out: 334.749 $\pm$ 0.056 χ^2 /NDF: 491370.4/24

Right Out: 562.528 $\pm$ 0.101 χ^2 /NDF: 3127171.0/33

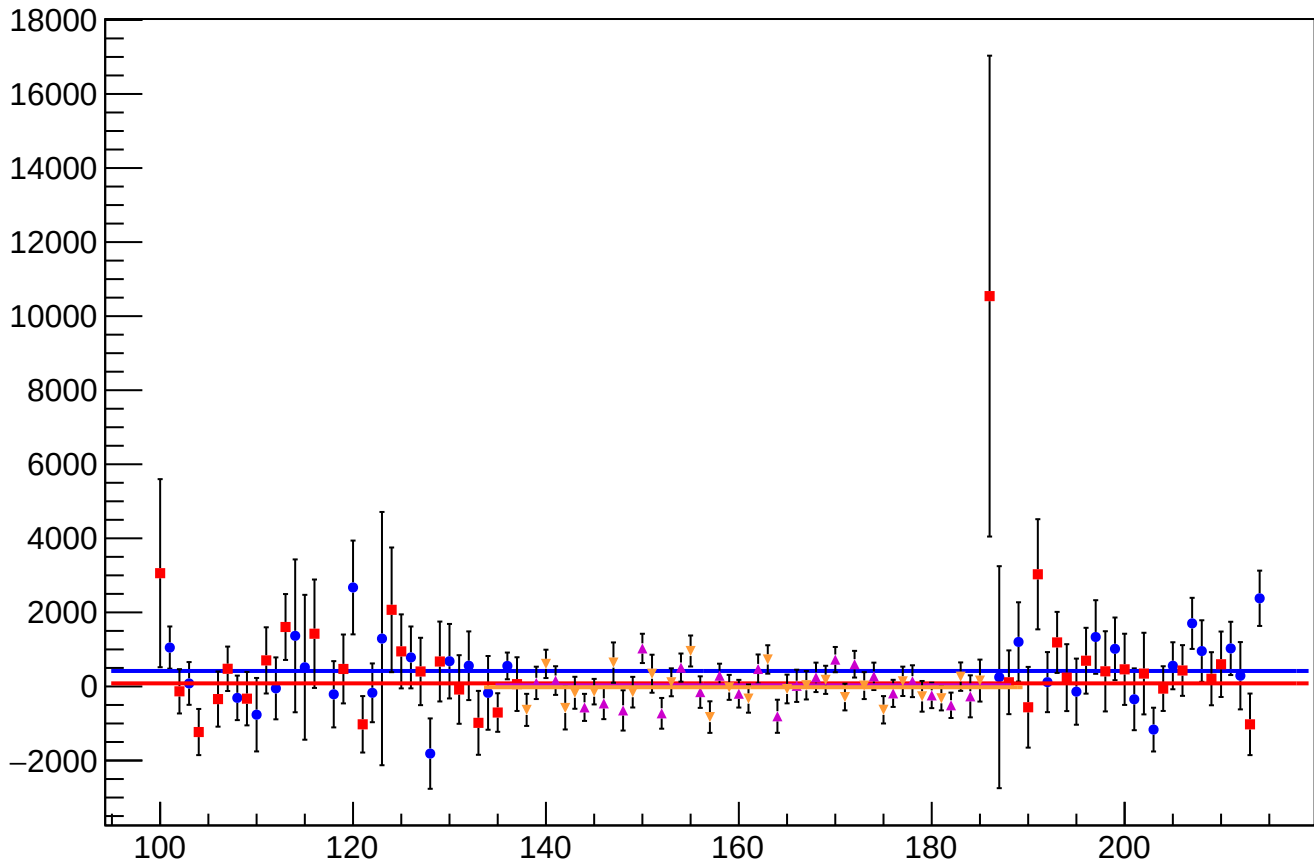
Left In: 334.147 $\pm$ 0.057 χ^2 /NDF: 397200.6/22

+ sign 385.640 $\pm$ 0.048 χ^2 /NDF: 6448369.3/55

All: 387.528 $\pm$ 0.035 χ^2 /NDF: 13873344.3/11

- sign 389.507 $\pm$ 0.050 χ^2 /NDF: 7421860.9/56

asym_sam_13_57_dd_mean vs Slug



Right In: 418.082 $\pm$ 141.203 χ^2 /NDF: 37.6/30

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 83.390 $\pm$ 143.822 χ^2 /NDF: 31.9/33

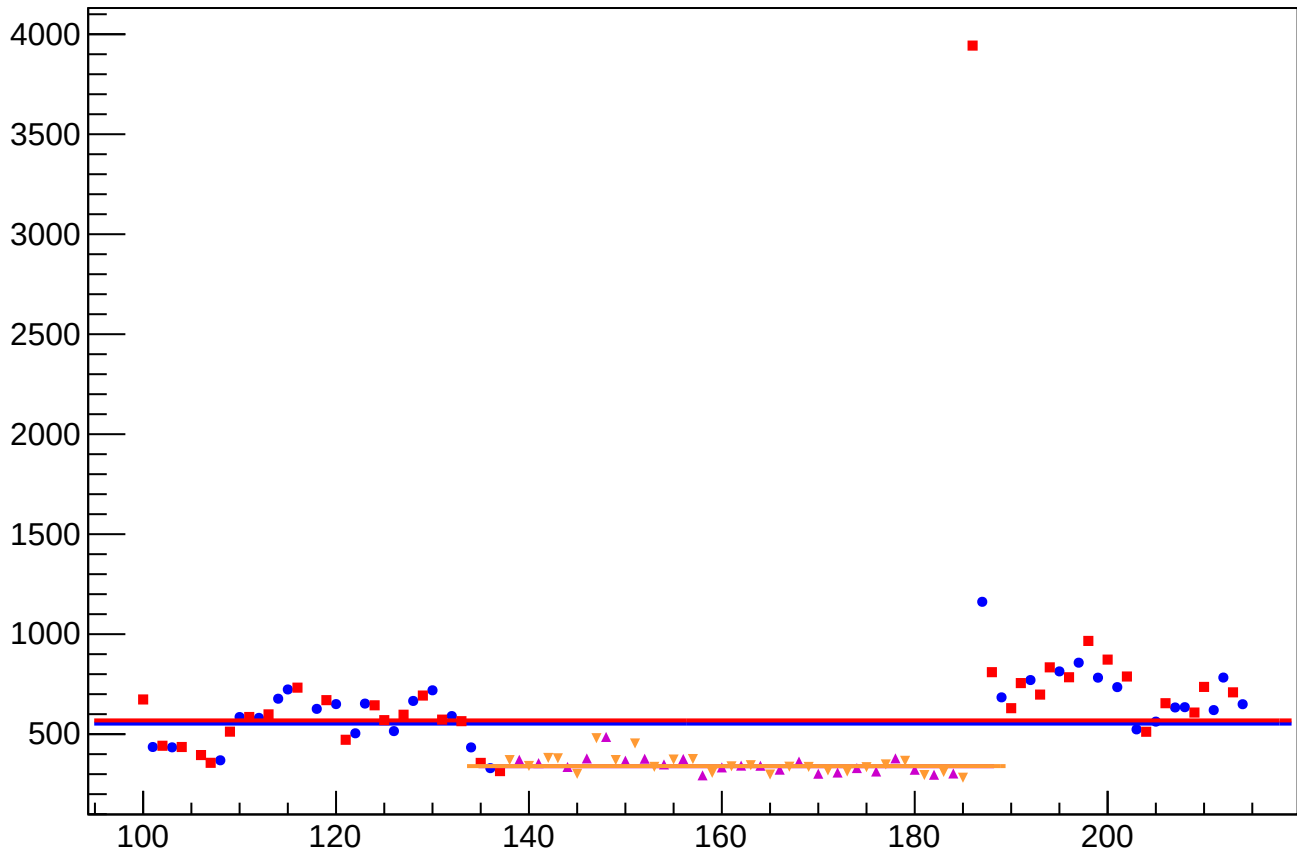
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 85.393 $\pm$ 69.481 χ^2 /NDF: 72.1/55

All: 65.386 $\pm$ 49.703 χ^2 /NDF: 138.3/112

- sign 44.419 $\pm$ 71.130 χ^2 /NDF: 66.0/56

asym_sam_13_57_dd_rms vs Slug



Right In: 552.831 $\pm$ 0.100 χ^2 /NDF: 2388668.0/30

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 568.741 $\pm$ 0.102 χ^2 /NDF: 3056016.5/33

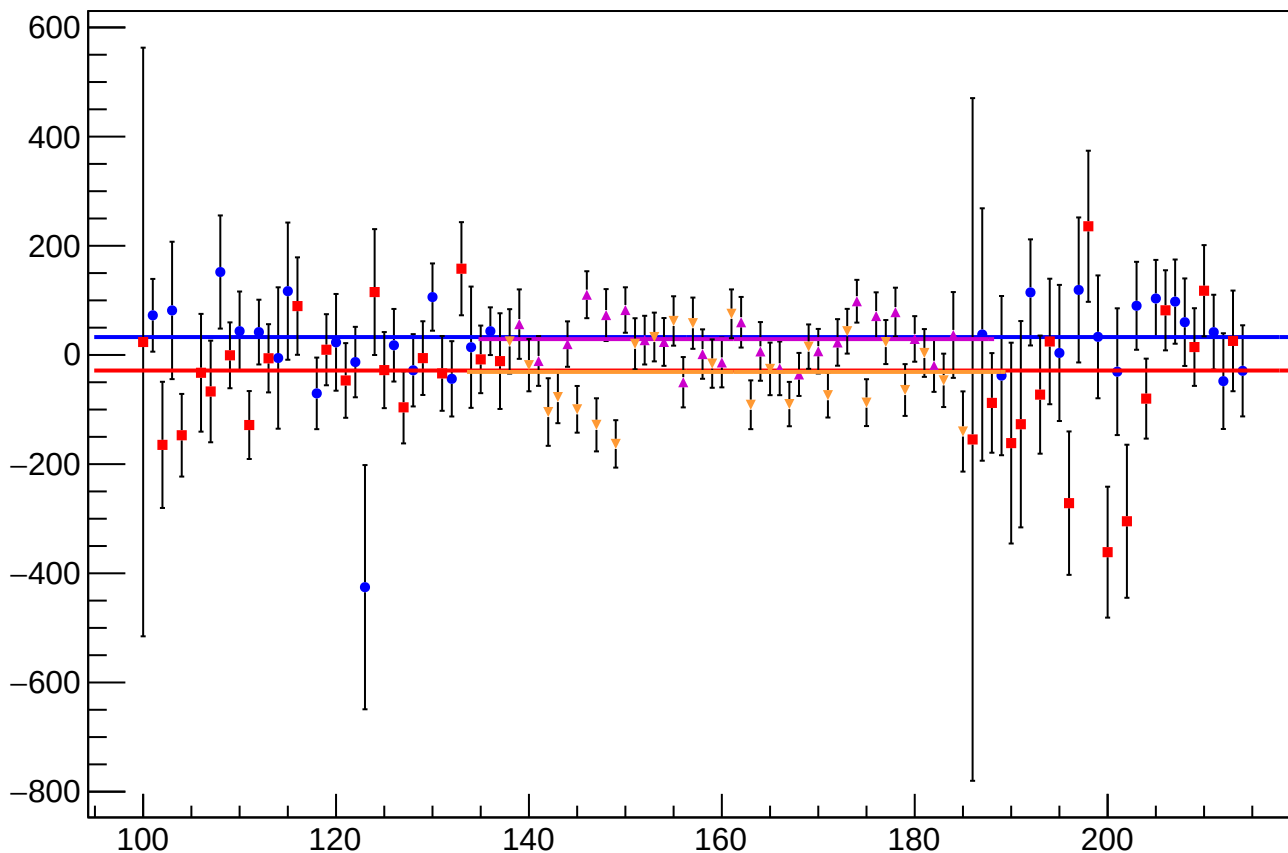
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 391.712 $\pm$ 0.049 χ^2 /NDF: 6293390.7/55

All: 393.641 $\pm$ 0.035 χ^2 /NDF: 13566670.9/13

- sign 395.664 $\pm$ 0.050 χ^2 /NDF: 7270121.5/56

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 32.782 ± 14.523 $\chi^2/\text{NDF}: 18.7/30$

Left Out: -31.063 ± 9.170 $\chi^2/\text{NDF}: 52.6/24$

Right Out: -28.511 ± 14.600 $\chi^2/\text{NDF}: 43.5/33$

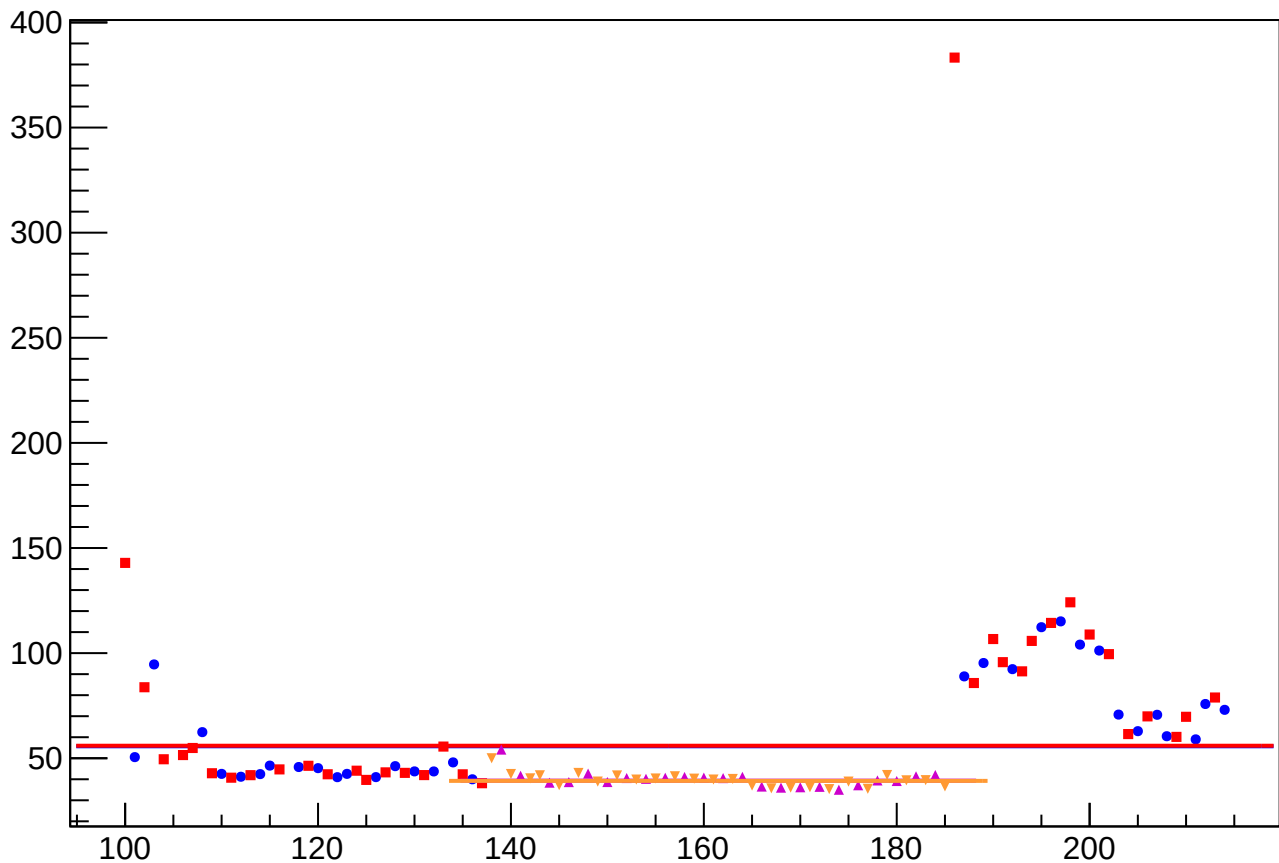
Left In: 29.055 ± 9.449 $\chi^2/\text{NDF}: 22.4/22$

+ sign -12.865 ± 7.753 $\chi^2/\text{NDF}: 85.1/55$

All: -0.688 ± 5.545 $\chi^2/\text{NDF}: 167.1/112$

- sign 12.060 ± 7.933 $\chi^2/\text{NDF}: 77.0/56$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 55.683 $\pm$ 0.010 χ^2 /NDF: 3485752.8/30

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 55.952 $\pm$ 0.010 χ^2 /NDF: 4517704.3/33

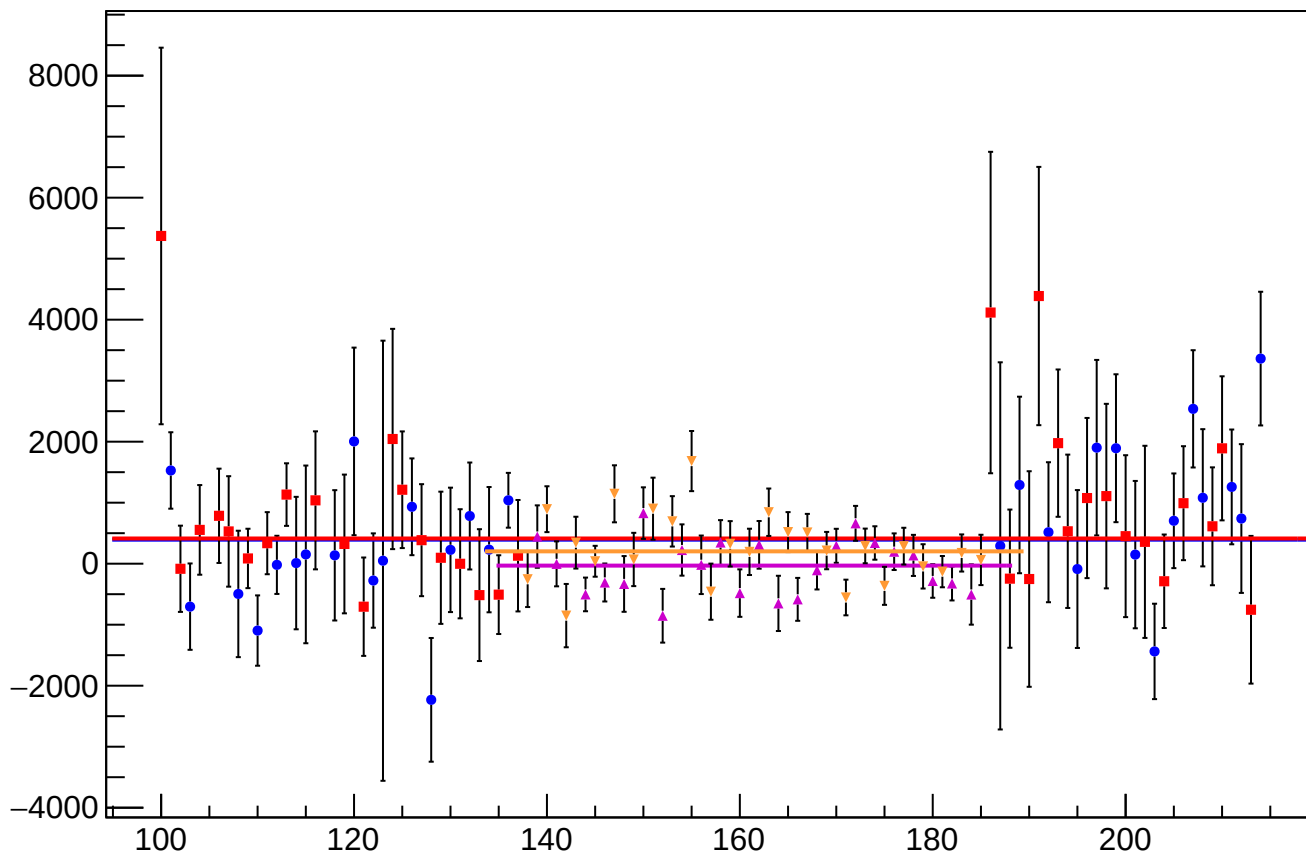
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 43.923 $\pm$ 0.005 χ^2 /NDF: 5521861.0/55

All: 44.080 $\pm$ 0.004 χ^2 /NDF: 12082095.3/112

- sign 44.243 $\pm$ 0.006 χ^2 /NDF: 6558569.1/56

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 393.767 ± 158.951 χ^2/NDF : 47.9/30

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 412.999 ± 156.051 χ^2/NDF : 24.6/33

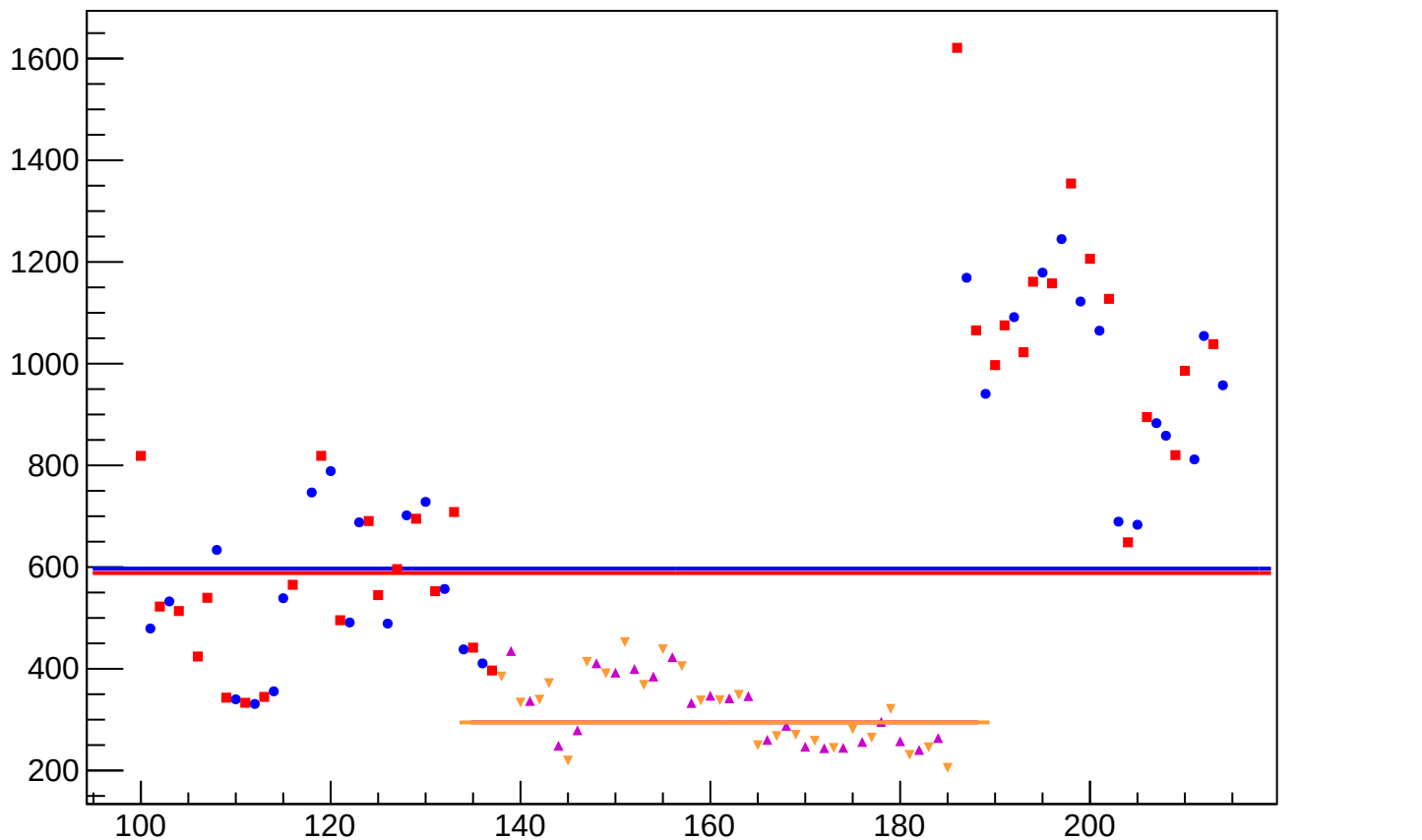
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 233.777 ± 64.389 χ^2/NDF : 93.9/55

All: 141.747 ± 45.901 χ^2/NDF : 162.7/112

- sign -46.655 ± 65.452 χ^2/NDF : 64.7/56

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 597.089 $\pm$ 0.112 χ^2 /NDF: 4792061.0/30

Left Out: 294.591 $\pm$ 0.050 χ^2 /NDF:1680474.5/24

Right Out: 588.356 $\pm$ 0.110 χ^2 /NDF: 5917644.2/33

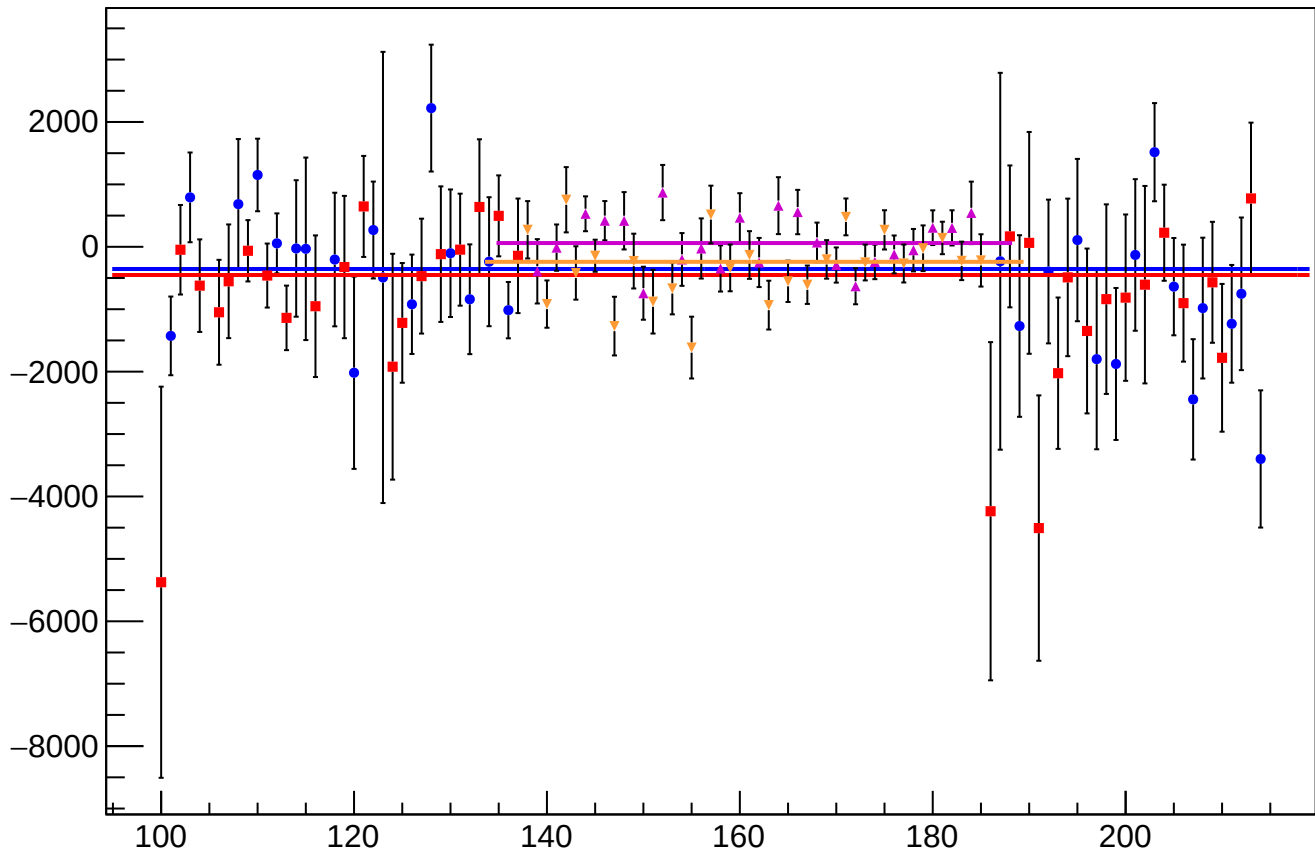
Left In: 294.722 $\pm$ 0.051 χ^2 /NDF:1297310.3/22

+ sign 344.230 $\pm$ 0.046 χ^2 /NDF: 12527421.8/55

All: 345.286 $\pm$ 0.032 χ^2 /NDF: 25579003.3/11

- sign 346.377 $\pm$ 0.046 χ^2 /NDF: 13050487.7/56

asym_sam_15_37_dd_mean vs Slug



Right In: -355.408 ± 159.837 χ^2/NDF : 47.9/30

Left Out: -240.357 ± 71.100 χ^2/NDF : 42.9/24

Right Out: -451.658 ± 157.448 χ^2/NDF : 24.2/33

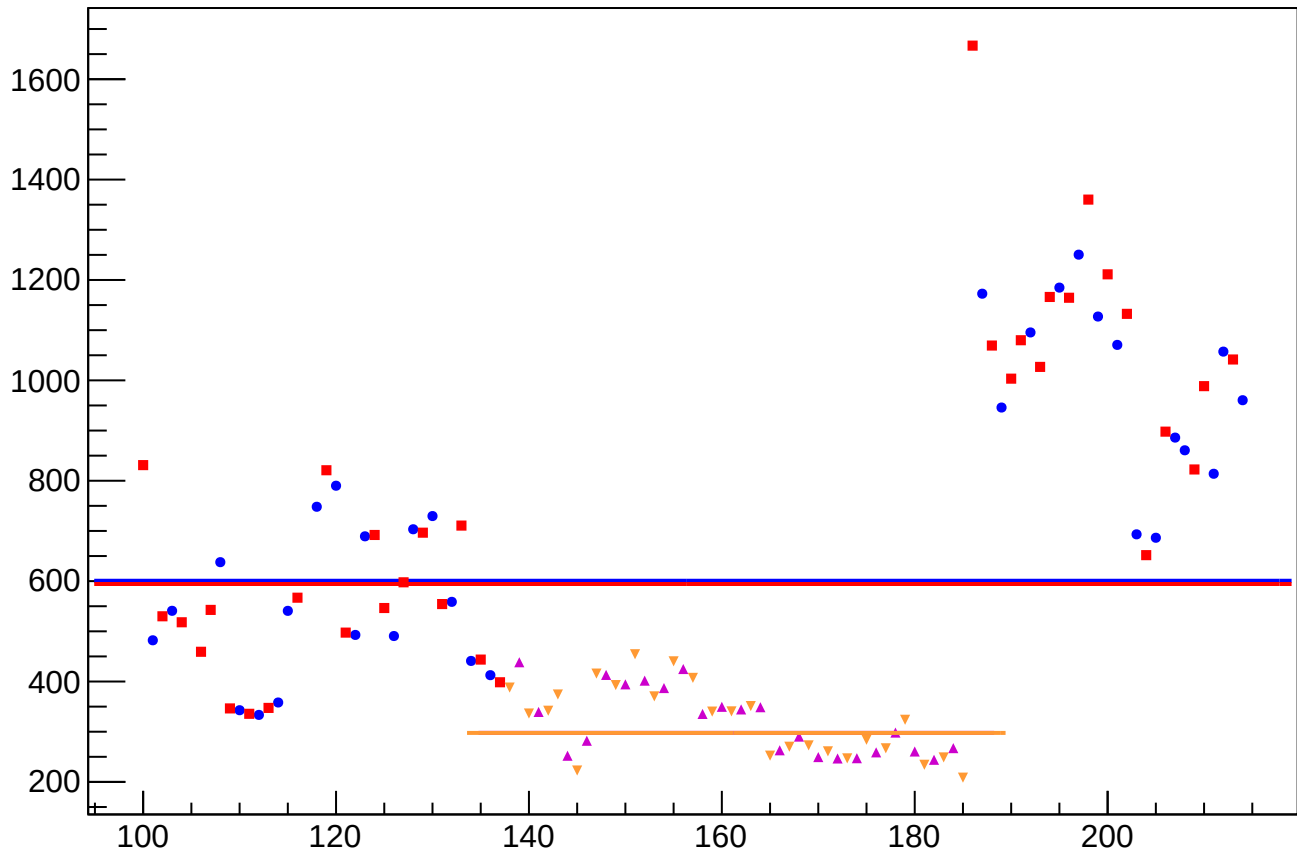
Left In: 60.330 ± 72.788 χ^2/NDF : 30.9/22

+ sign -259.362 ± 64.963 χ^2/NDF : 91.2/55

All: -146.532 ± 46.322 χ^2/NDF : 161.2/112

- sign -29.825 ± 66.070 χ^2/NDF : 63.8/56

asym_sam_15_37_dd_rms vs Slug



Right In: 600.753+/-0.113 χ^2/NDF : 4762163.6/30

Left Out: 297.613+/-0.050 χ^2/NDF :1637757.8/24

Right Out: 594.297+/-0.111 χ^2/NDF : 5849283.7/33

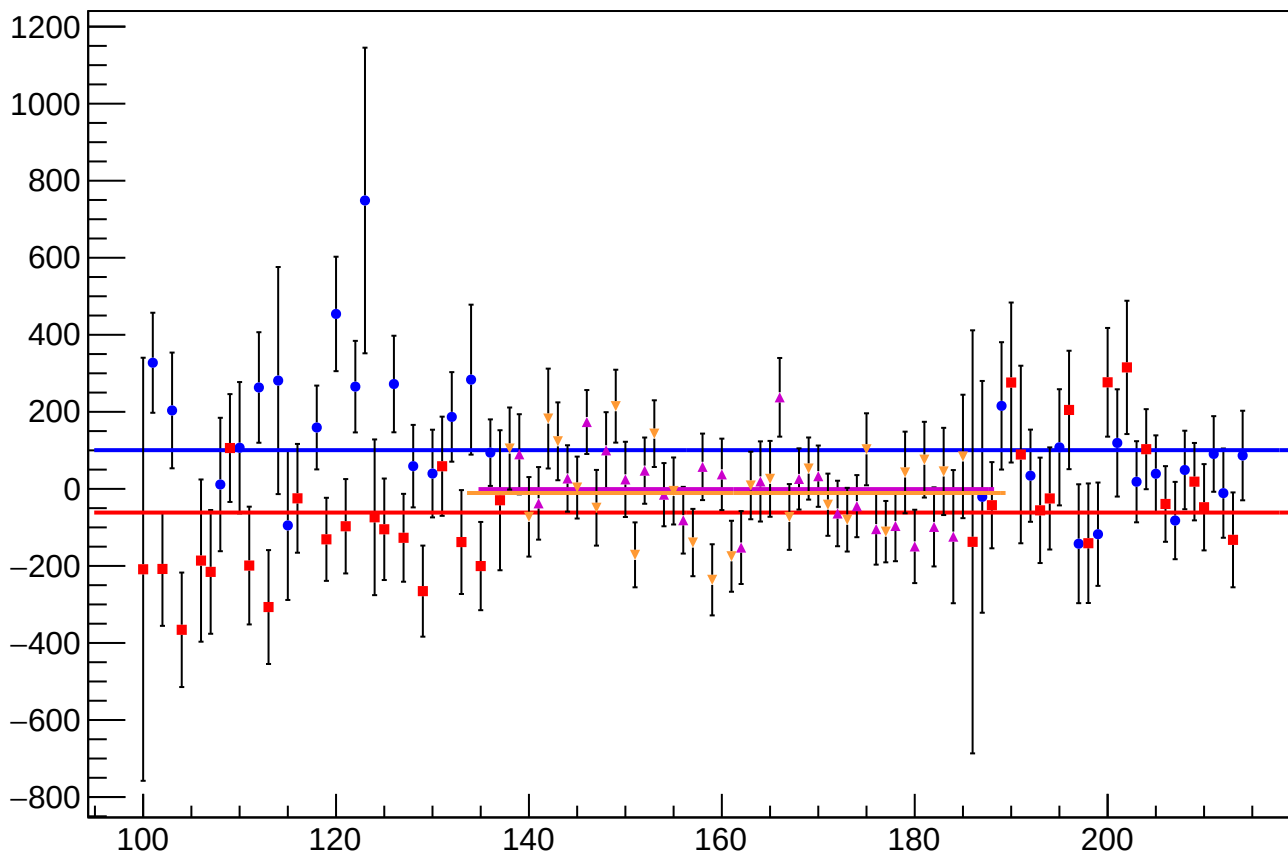
Left In: 297.699+/-0.051 χ^2/NDF :1266306.2/22

+ sign 347.688+/-0.046 χ^2/NDF : 12405472.9/55

All: 348.788+/-0.033 χ^2/NDF : 25369746.1/11

- sign 349.926+/-0.047 χ^2/NDF : 12963106.3/56

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 100.517 $\pm$ 23.083 χ^2 /NDF: 32.4/30

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF: 36.3/24

Right Out: -61.495 $\pm$ 23.607 χ^2 /NDF: 38.7/33

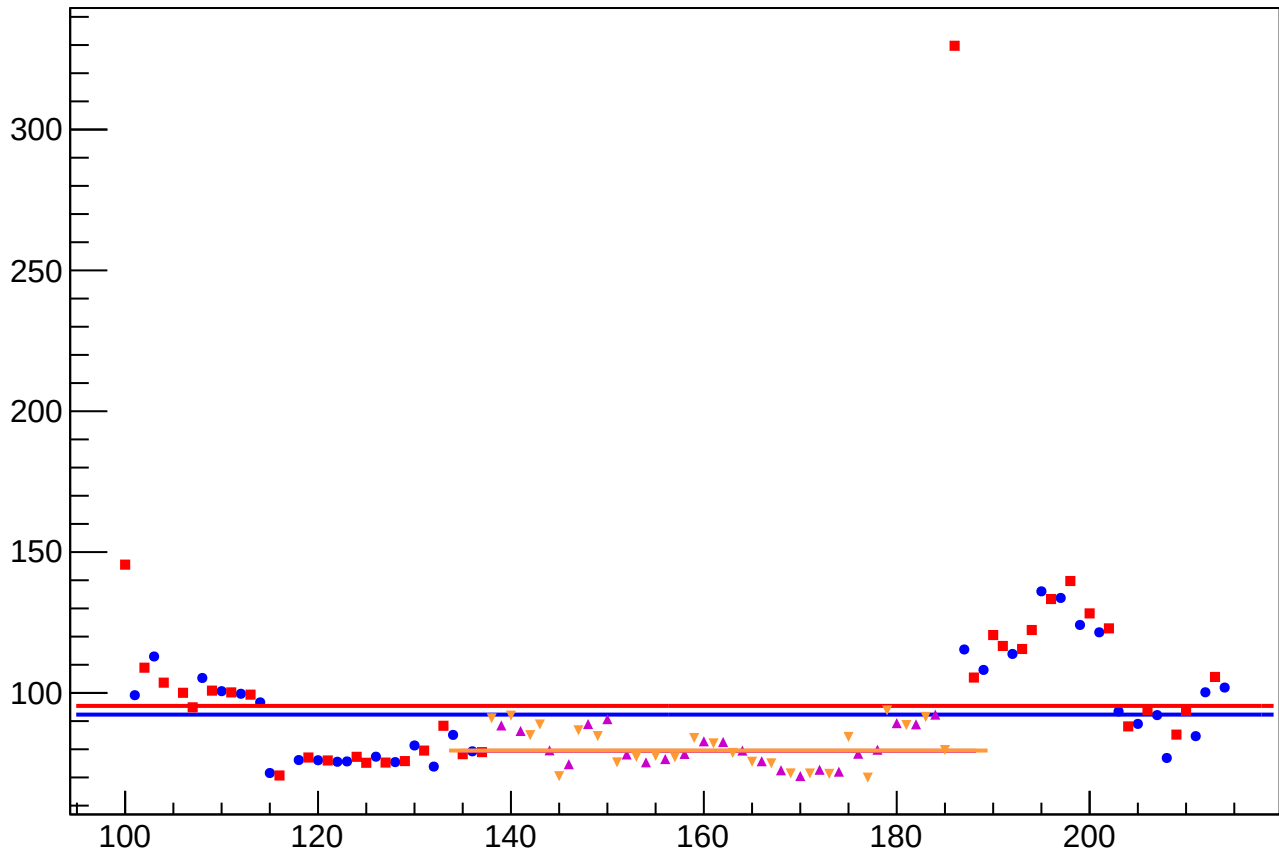
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF: 23.8/22

+ sign 33.130 $\pm$ 14.488 χ^2 /NDF: 82.8/55

All: 4.936 $\pm$ 10.368 χ^2 /NDF: 157.0/112

- sign -24.663 $\pm$ 14.845 χ^2 /NDF: 66.5/56

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 92.308+/-0.016 χ^2/NDF : 1085590.3/30

Left Out: 79.551+/-0.013 χ^2/NDF : 309075.2/24

Right Out: 95.399+/-0.017 χ^2/NDF : 1535222.8/33

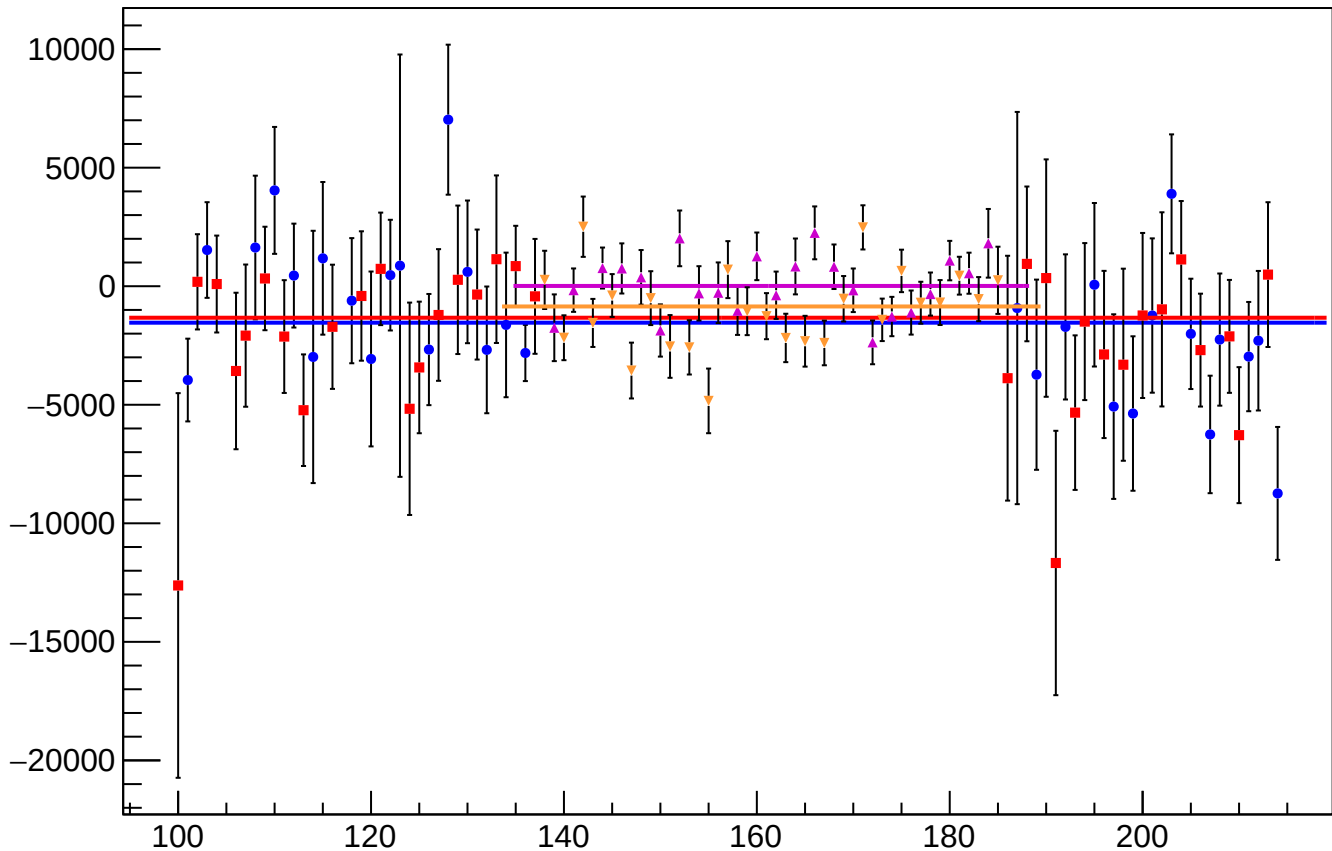
Left In: 79.436+/-0.013 χ^2/NDF : 212440.1/22

+ sign 84.576+/-0.010 χ^2/NDF : 1764907.4/55

All: 85.148+/-0.007 χ^2/NDF : 4071795.0/112

- sign 85.748+/-0.010 χ^2/NDF : 2300505.6/56

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1538.487 $\pm$ 470.595 χ^2 /NDF: 40.0/30

Left Out: -854.130 $\pm$ 204.090 χ^2 /NDF: 56.0/24

Right Out: -1328.785 $\pm$ 482.824 χ^2 /NDF: 22.8/33

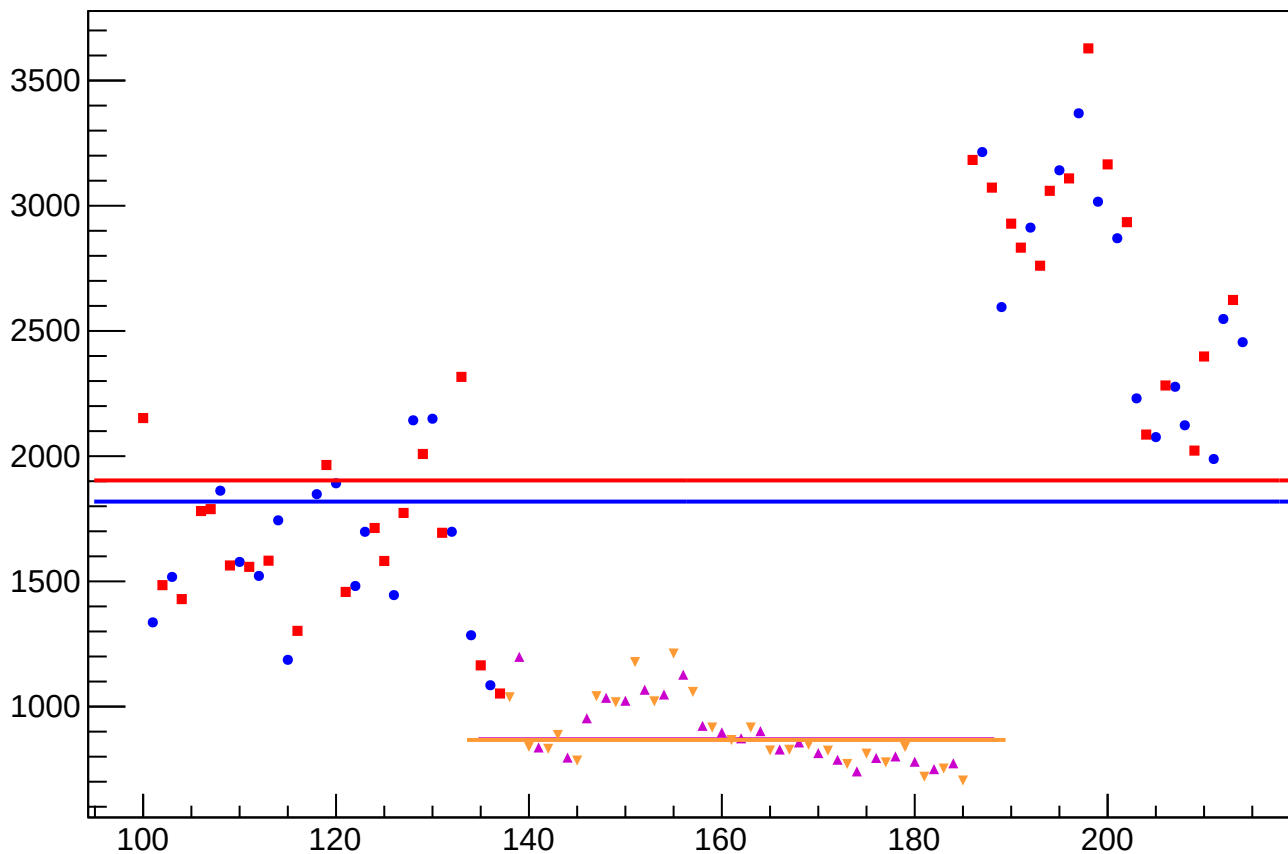
Left In: 11.687 $\pm$ 210.073 χ^2 /NDF: 31.2/22

+ sign -962.469 $\pm$ 187.240 χ^2 /NDF: 97.8/55

All: -592.867 $\pm$ 134.264 χ^2 /NDF: 166.3/112

- sign -201.680 $\pm$ 192.630 χ^2 /NDF: 60.5/56

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1818.633 $\pm$ 0.333 χ^2 /NDF: 3183567.6/30

Left Out: 866.893 $\pm$ 0.144 χ^2 /NDF: 661712.5/24

Right Out: 1903.113 $\pm$ 0.341 χ^2 /NDF: 3331738.0/33

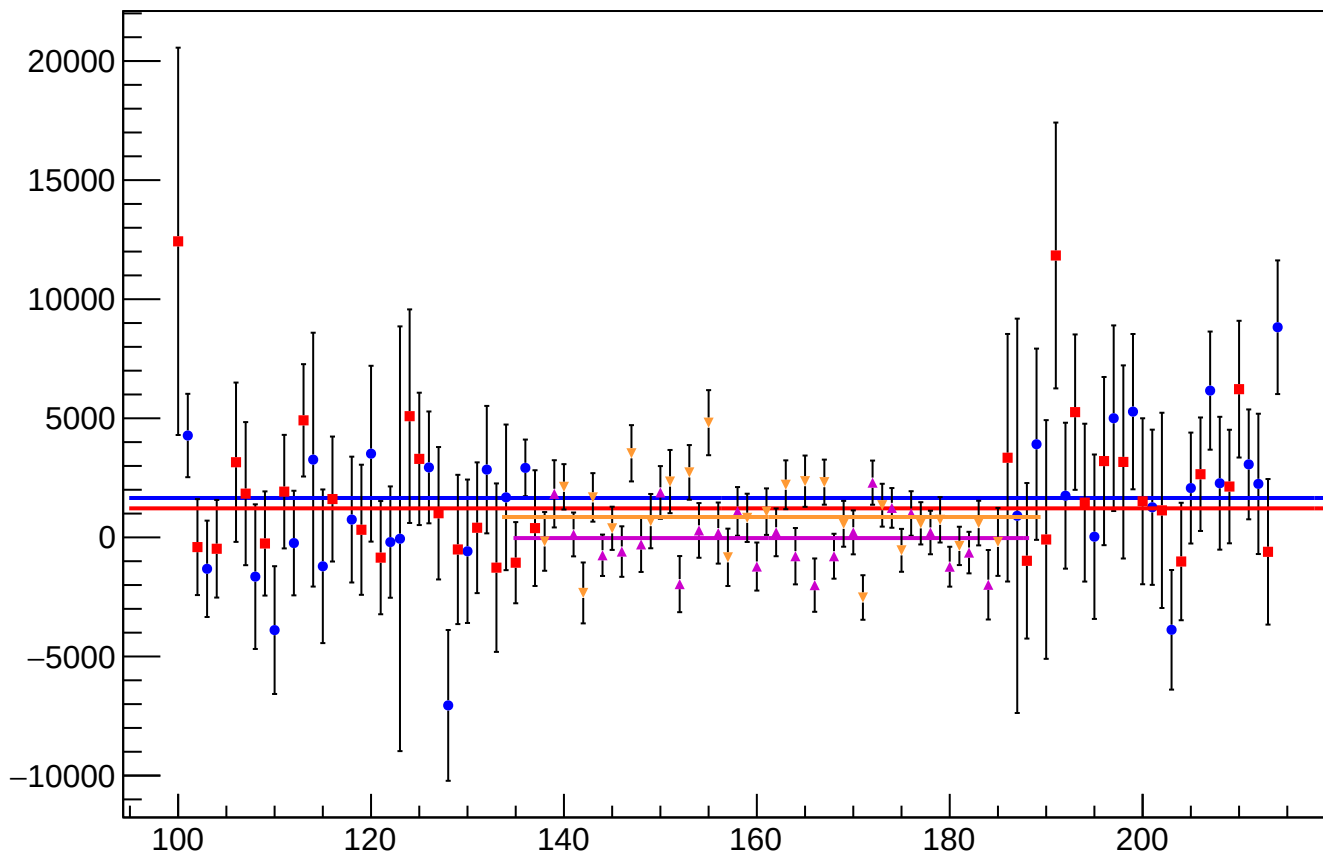
Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

+ sign 1017.561 $\pm$ 0.132 χ^2 /NDF: 10730620.6/55

All: 1025.587 $\pm$ 0.095 χ^2 /NDF: 22358021.7/100

- sign 1034.081 $\pm$ 0.136 χ^2 /NDF: 11619837.5/56

asym_sam_24_68_dd_mean vs Slug



Right In: 1654.459 ± 471.373 χ^2/NDF : 40.0/30

Left Out: 855.664 ± 205.047 χ^2/NDF : 54.1/24

Right Out: 1219.278 ± 483.711 χ^2/NDF : 22.7/33

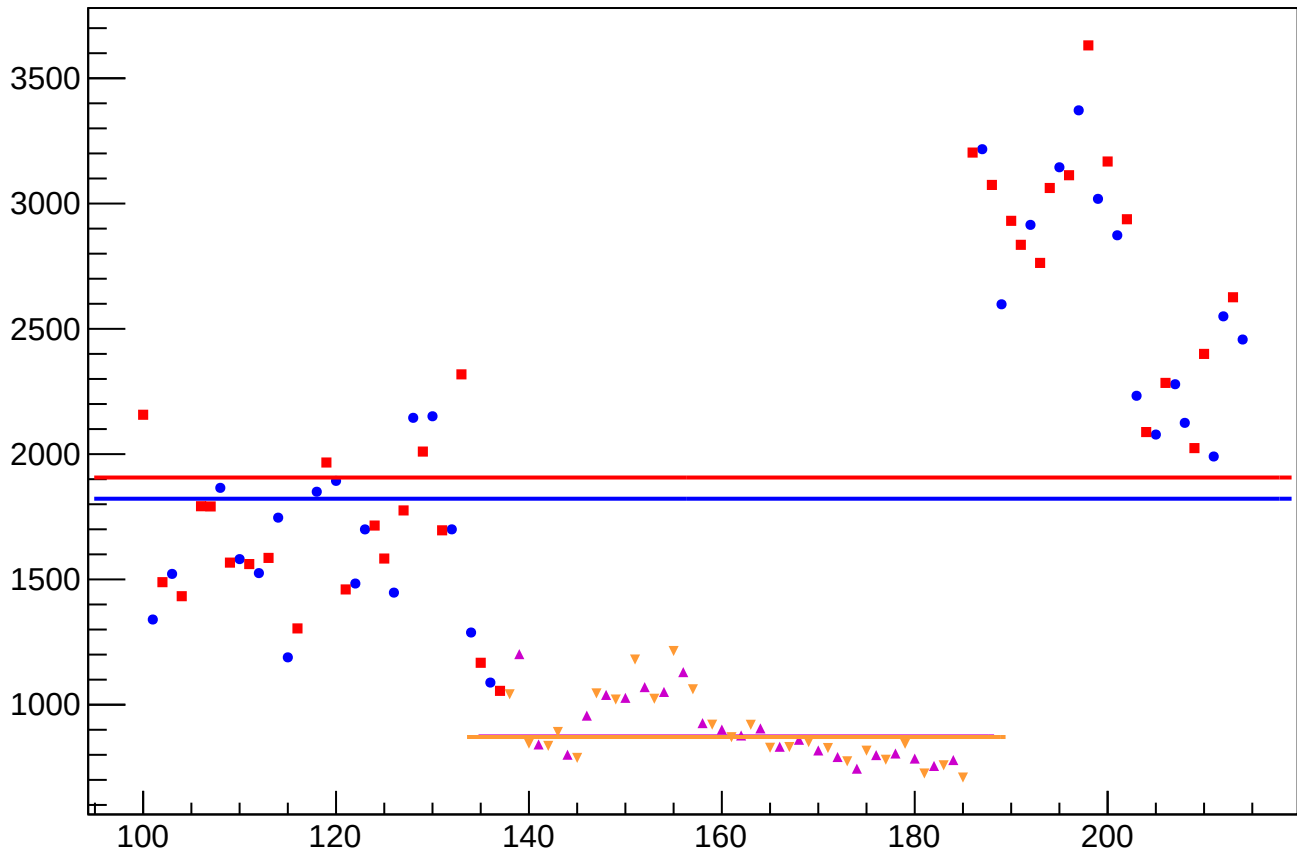
Left In: -28.553 ± 211.034 χ^2/NDF : 29.7/22

+ sign 982.765 ± 188.027 χ^2/NDF : 96.5/55

All: 588.361 ± 134.824 χ^2/NDF : 163.6/112

- sign 170.981 ± 193.427 χ^2/NDF : 58.1/56

asym_sam_24_68_dd_rms vs Slug



Right In: 1822.067 $\pm$ 0.333 χ^2 /NDF: 3170273.6/30

Left Out: 871.109 $\pm$ 0.145 χ^2 /NDF: 651751.1/24

Right Out: 1906.664 $\pm$ 0.342 χ^2 /NDF: 3322359.1/33

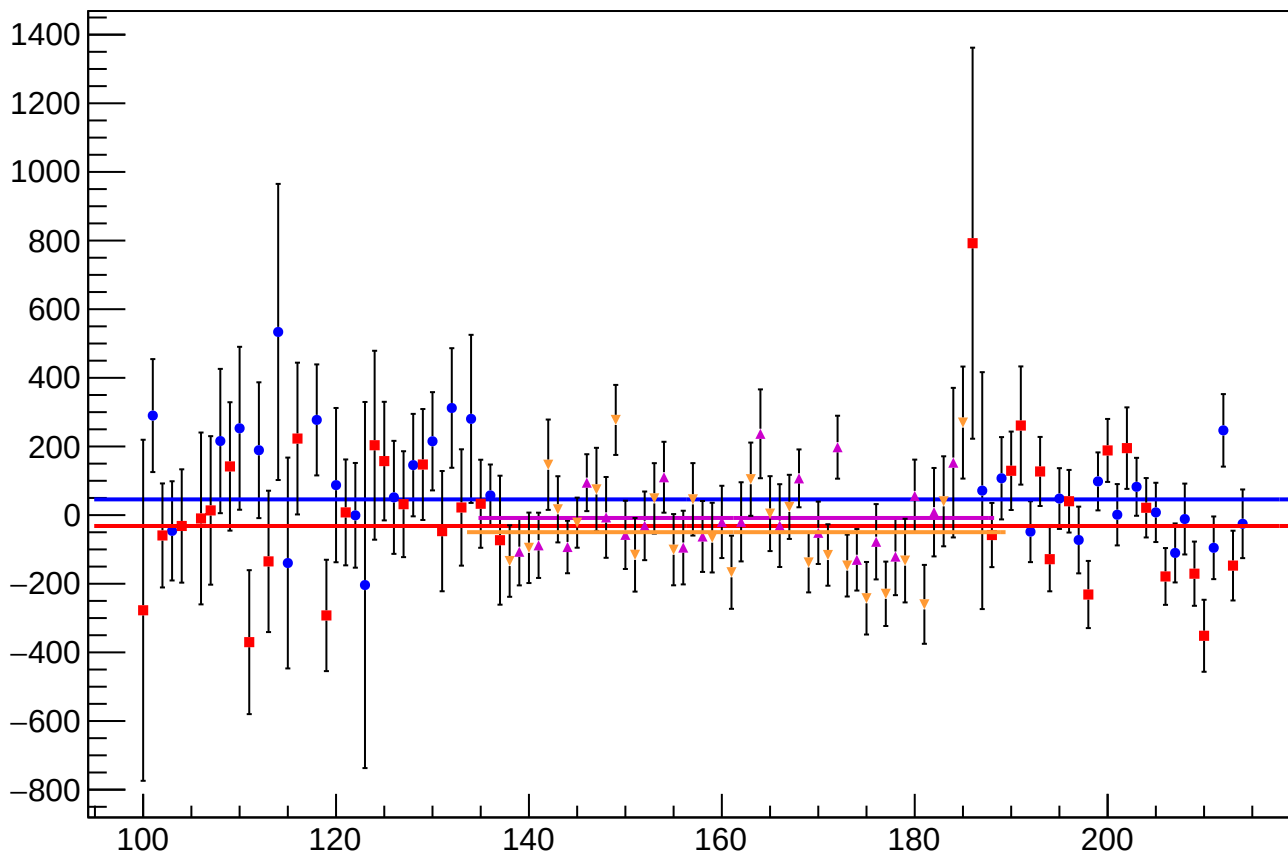
Left In: 873.675 $\pm$ 0.149 χ^2 /NDF: 573822.5/22

+ sign 1022.421 $\pm$ 0.133 χ^2 /NDF: 10666808.1/55

All: 1030.406 $\pm$ 0.095 χ^2 /NDF: 22233056.8/100

- sign 1038.855 $\pm$ 0.137 χ^2 /NDF: 11558826.2/56

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 45.805 $\pm$ 21.866 χ^2 /NDF: 27.7/30

Left Out: -49.717 $\pm$ 20.580 χ^2 /NDF: 39.4/24

Right Out: -31.721 $\pm$ 22.269 χ^2 /NDF: 52.9/33

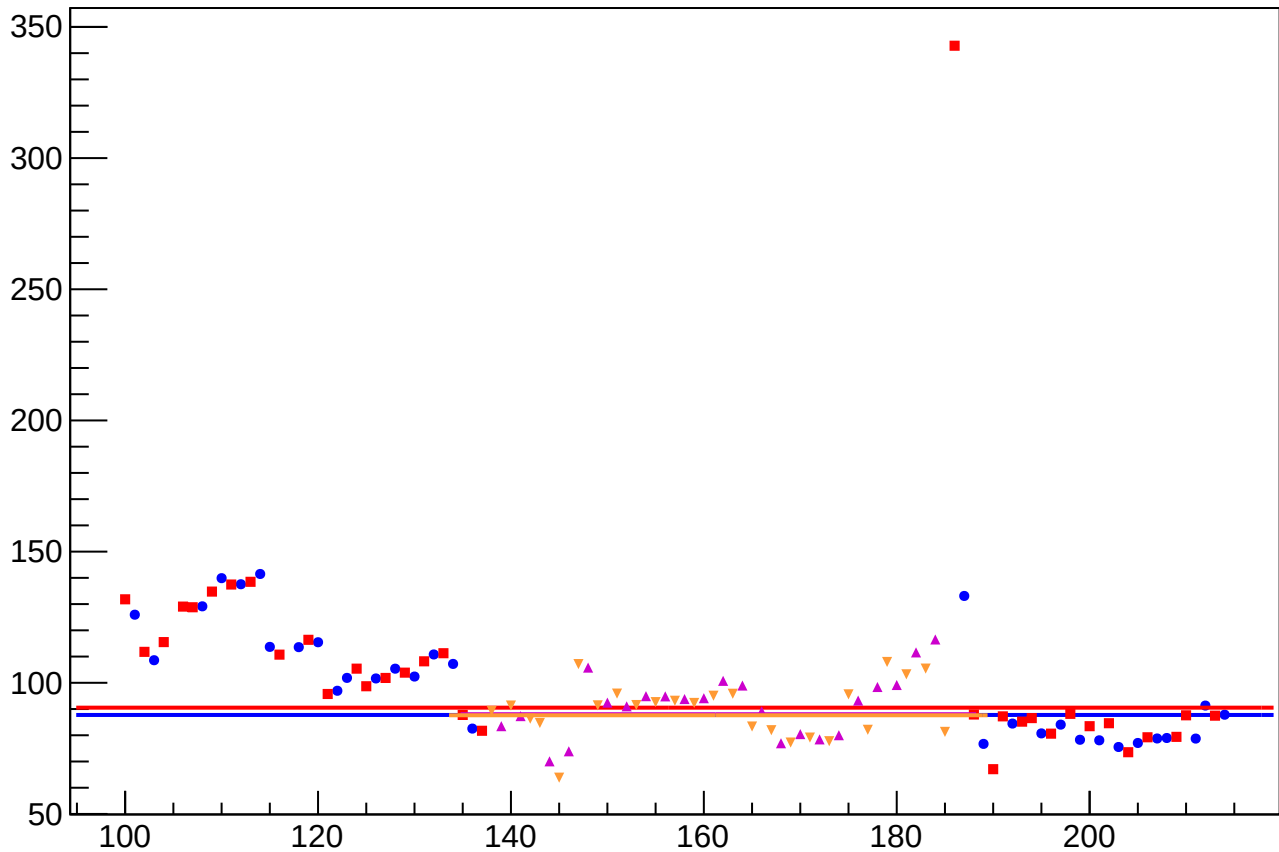
Left In: -8.343 $\pm$ 21.271 χ^2 /NDF: 22.0/22

+ sign -4.847 $\pm$ 14.986 χ^2 /NDF: 77.2/55

All: -11.981 $\pm$ 10.734 χ^2 /NDF: 153.2/112

- sign -19.496 $\pm$ 15.382 χ^2 /NDF: 75.4/56

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 87.740 $\pm$ 0.015 χ^2 /NDF: 951835.9/30

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 90.523 $\pm$ 0.016 χ^2 /NDF: 1365022.3/33

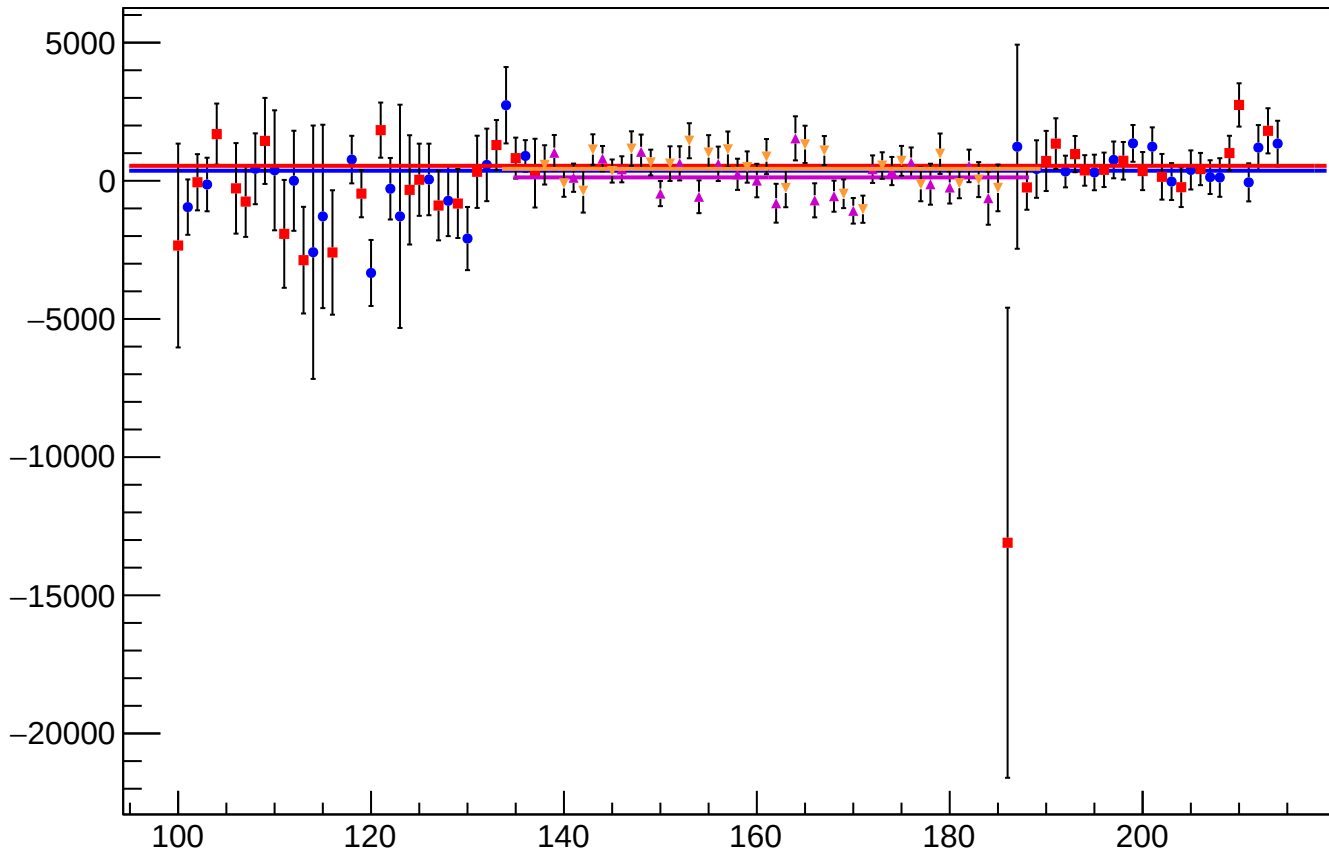
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 87.679 $\pm$ 0.011 χ^2 /NDF: 1506555.4/55

All: 88.430 $\pm$ 0.008 χ^2 /NDF: 3418680.0/112

- sign 89.221 $\pm$ 0.011 χ^2 /NDF: 1901819.3/56

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 364.975 ± 159.263 χ^2/NDF : 29.9/30

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: 542.101 ± 156.613 χ^2/NDF : 34.4/33

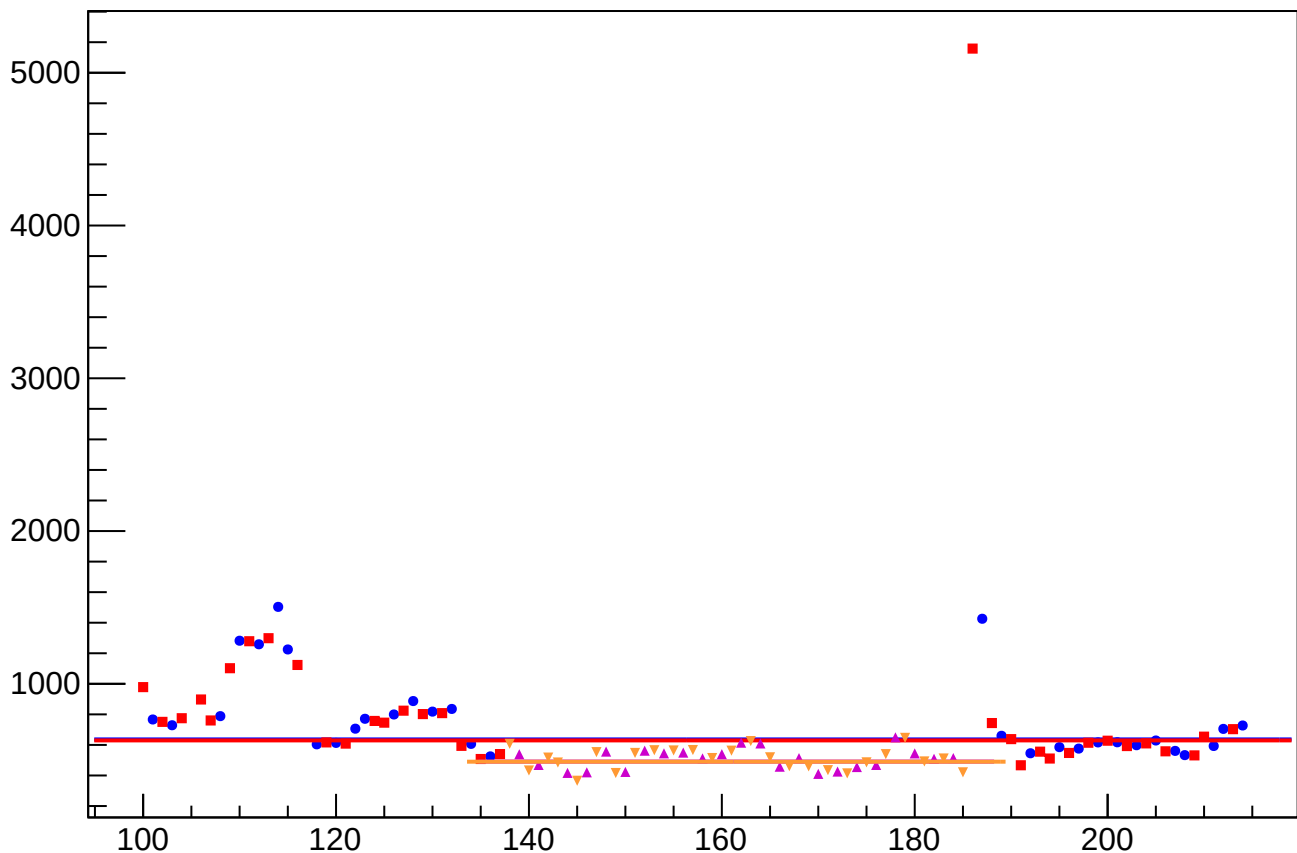
Left In: 123.017 ± 118.849 χ^2/NDF : 29.3/22

+ sign 408.621 ± 93.609 χ^2/NDF : 60.5/55

All: 343.143 ± 66.565 χ^2/NDF : 129.6/112

- sign 276.165 ± 94.675 χ^2/NDF : 68.2/56

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 636.063 ± 0.113 χ^2/NDF : 1225333.9/30

Left Out: 490.267 ± 0.082 χ^2/NDF : 750277.0/24

Right Out: 629.630 ± 0.111 χ^2/NDF : 2038638.5/33

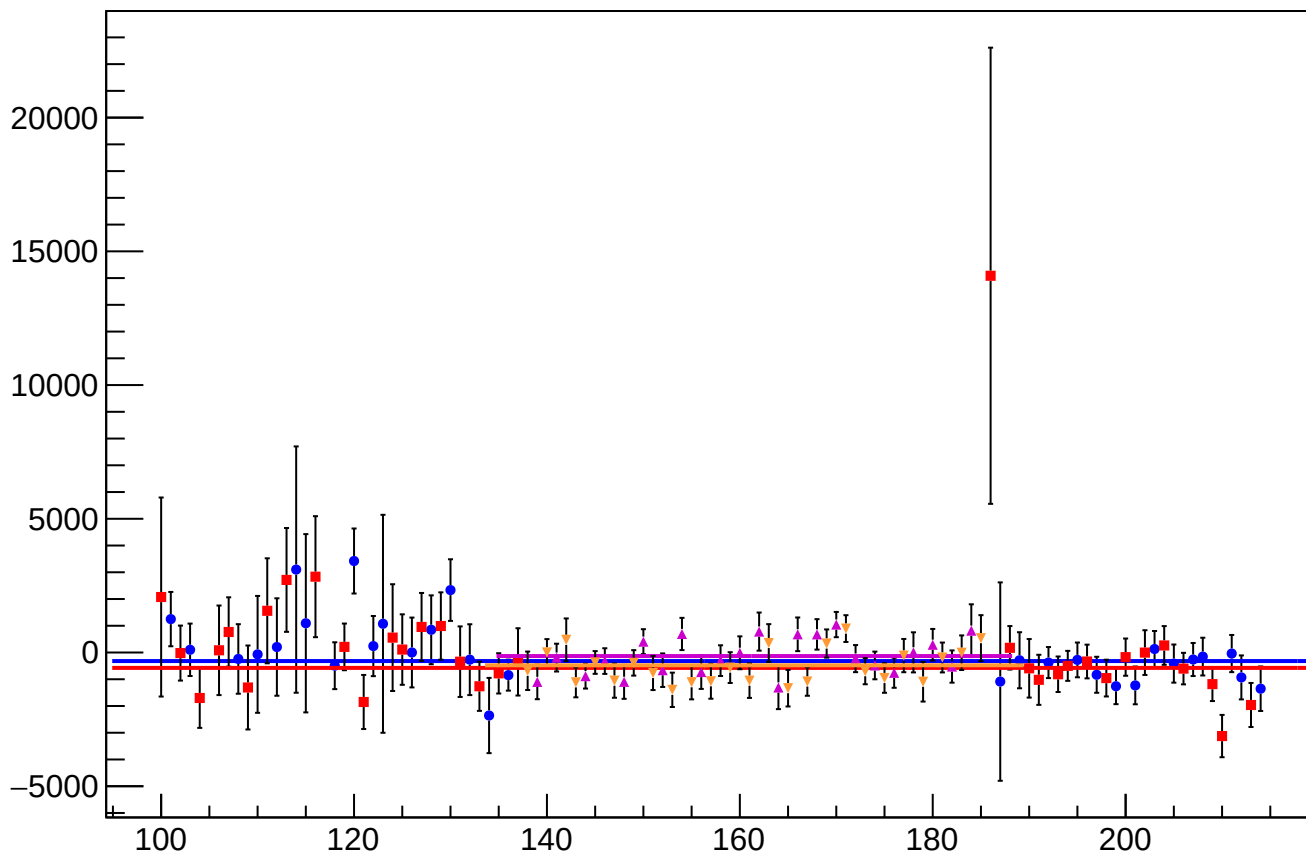
Left In: 490.910 ± 0.084 χ^2/NDF : 589235.5/22

+ sign 540.635 ± 0.066 χ^2/NDF : 3072651.6/55

All: 541.113 ± 0.047 χ^2/NDF : 6696328.0/112

- sign 541.603 ± 0.067 χ^2/NDF : 3623570.7/56

asym_sam_26_48_dd_mean vs Slug



Right In: -319.779 ± 160.922 χ^2/NDF : 29.4/30

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -575.274 ± 158.404 χ^2/NDF : 37.2/33

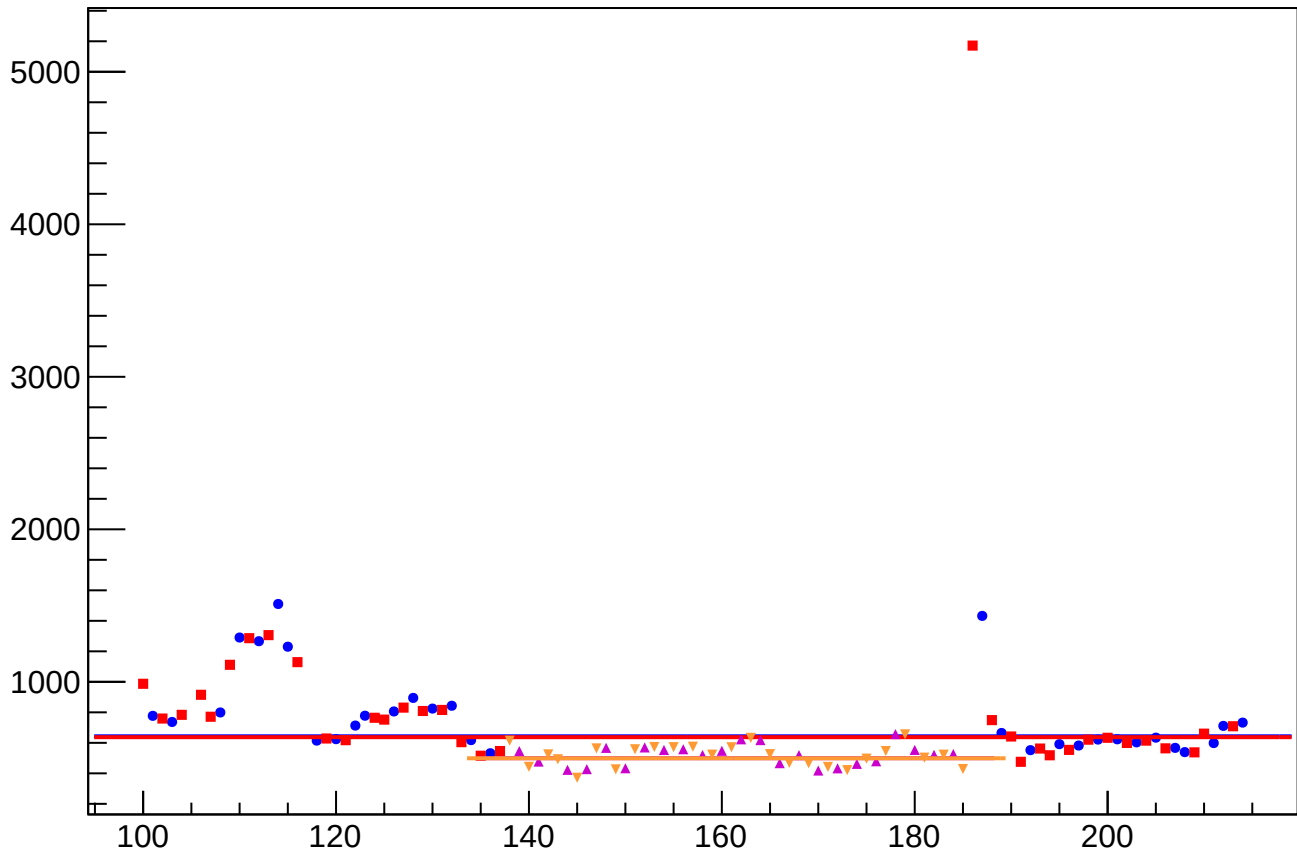
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -423.010 ± 94.979 χ^2/NDF : 57.9/55

All: -359.973 ± 67.549 χ^2/NDF : 130.4/112

- sign -295.455 ± 96.089 χ^2/NDF : 71.7/56

asym_sam_26_48_dd_rms vs Slug



Right In: 642.862 $\pm$ 0.114 χ^2 /NDF: 1213184.0/30

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 637.075 $\pm$ 0.112 χ^2 /NDF: 2017452.6/33

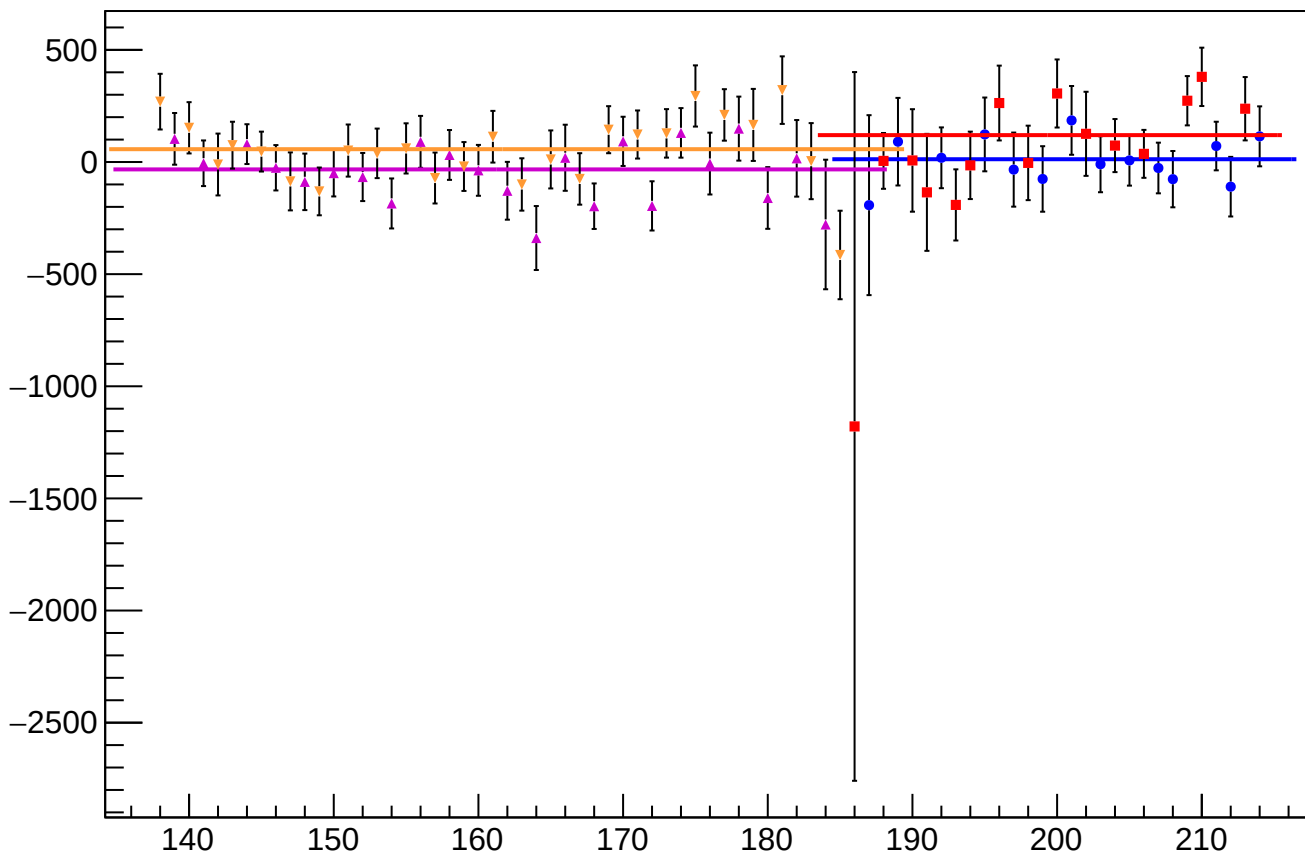
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 548.956 $\pm$ 0.067 χ^2 /NDF: 2992642.6/55

All: 549.499 $\pm$ 0.048 χ^2 /NDF: 6541729.7/112

- sign 550.056 $\pm$ 0.068 χ^2 /NDF: 3548954.5/56

reg_asym_sam_1548_avg_mean vs Slug



Right In: 12.436+/-36.944 χ^2/NDF : 5.0/13

Left Out: 57.211+/-23.714 χ^2/NDF : 29.2/24

Right Out: 119.913+/-38.406 χ^2/NDF : 17.6/14

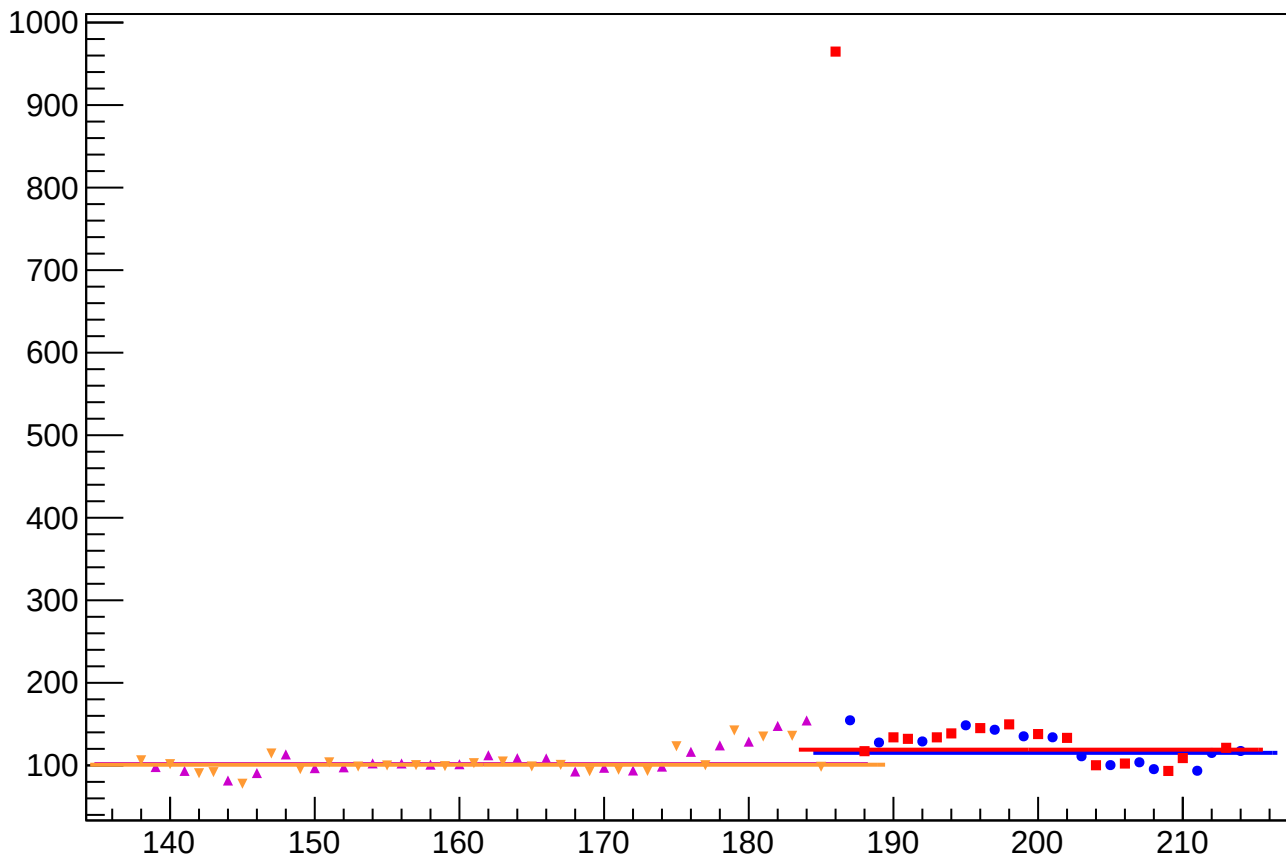
Left In: -32.948+/-24.587 χ^2/NDF : 23.6/22

+ sign 44.146+/-19.956 χ^2/NDF : 35.2/38

All: 28.420+/-14.369 χ^2/NDF : 88.9/76

- sign 11.489+/-20.707 χ^2/NDF : 52.4/37

reg_asym_sam_1548_avg_rms vs Slug



Right In: 115.180 $\pm$ 0.026 χ^2 /NDF: 443810.3/13

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 119.020 $\pm$ 0.027 χ^2 /NDF: 1022239.2/14

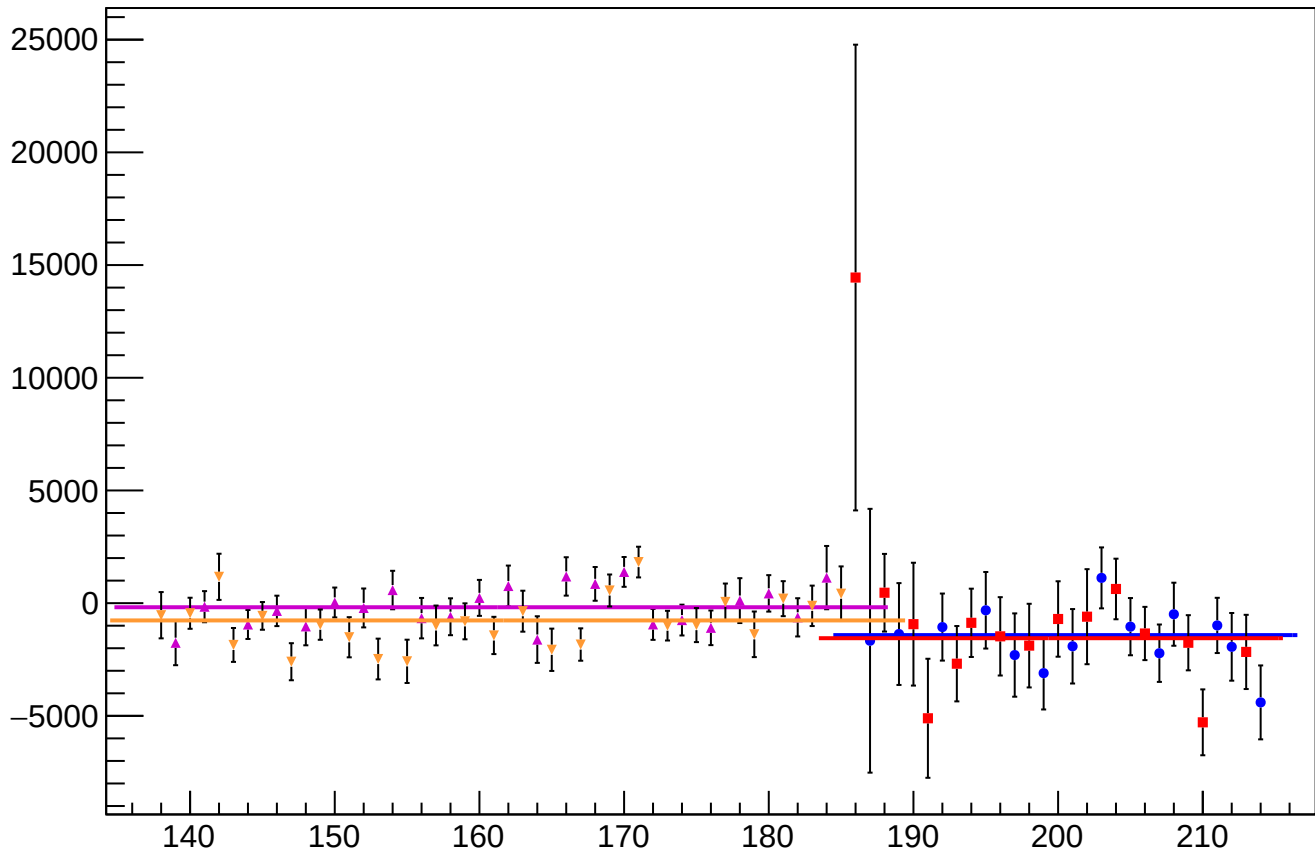
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 104.996 $\pm$ 0.014 χ^2 /NDF: 1258893.0/38

All: 105.807 $\pm$ 0.010 χ^2 /NDF: 3161449.8/76

- sign 106.680 $\pm$ 0.015 χ^2 /NDF: 1895704.5/37

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1417.497 ± 413.625 χ^2/NDF : 9.9/13

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1554.933 ± 430.462 χ^2/NDF : 16.2/14

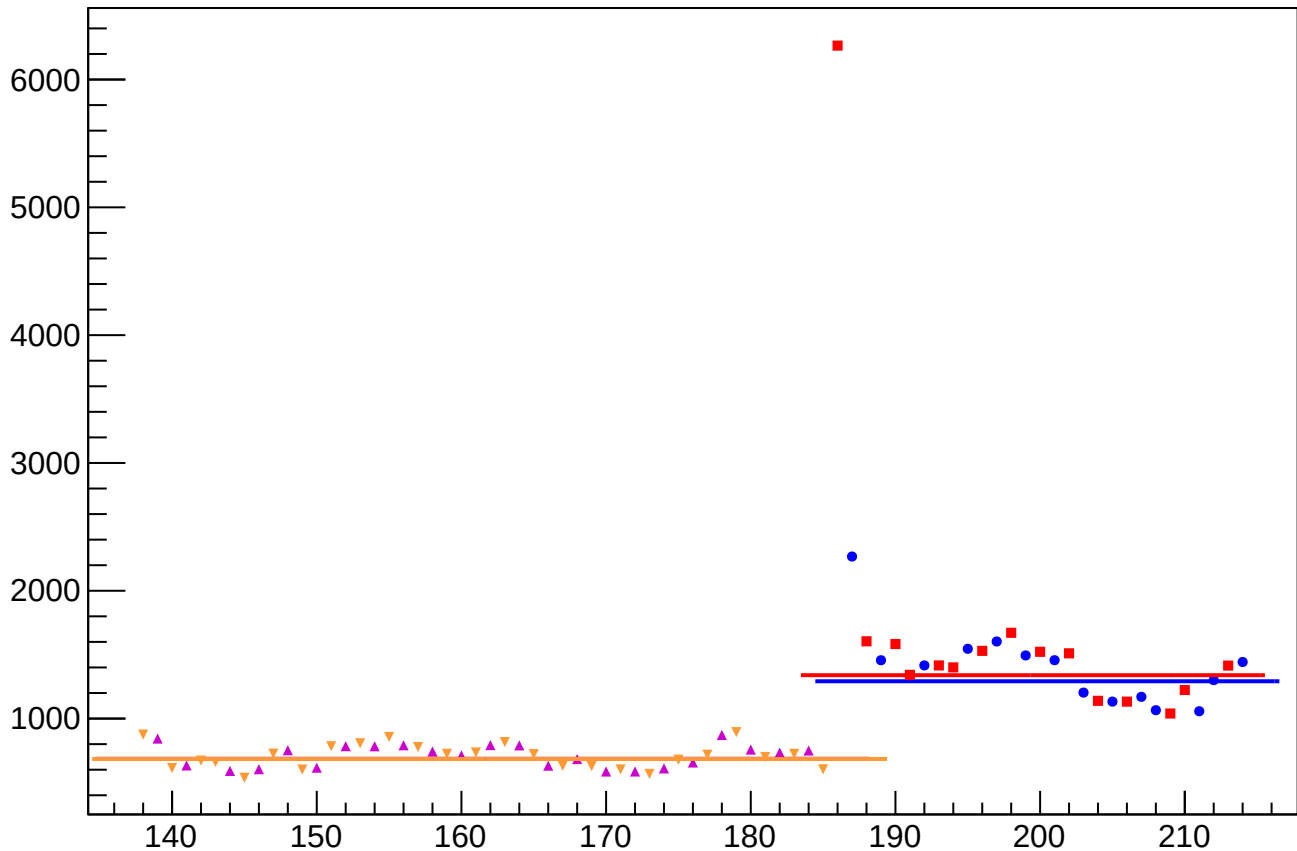
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -852.092 ± 150.089 χ^2/NDF : 58.6/38

All: -612.755 ± 107.693 χ^2/NDF : 113.9/76

- sign -358.764 ± 154.615 χ^2/NDF : 50.0/37

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1291.942 $\pm$ 0.292 χ^2 /NDF: 433840.8/13

Left Out: 683.884 $\pm$ 0.114 χ^2 /NDF: 667158.2/24

Right Out: 1339.475 $\pm$ 0.304 χ^2 /NDF: 893203.0/14

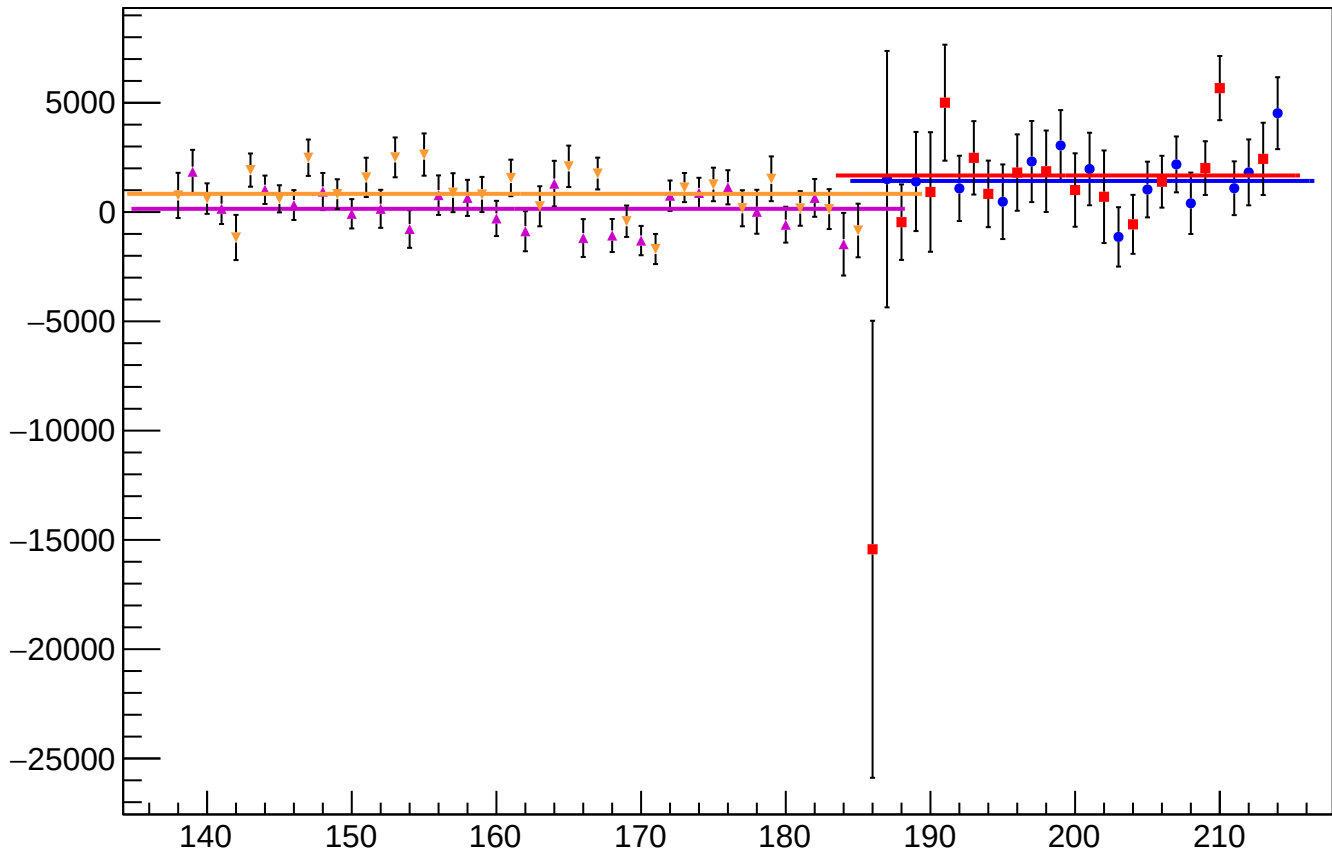
Left In: 685.593 $\pm$ 0.117 χ^2 /NDF: 529353.6/22

+ sign 763.946 $\pm$ 0.106 χ^2 /NDF: 4854118.0/38

All: 766.860 $\pm$ 0.076 χ^2 /NDF: 10297723.0/76

- sign 769.952 $\pm$ 0.109 χ^2 /NDF: 5442051.2/37

asym_sam_1548_avg_mean vs Slug



Right In: 1424.759 $\pm$ 415.334 χ^2 /NDF: 9.9/13

Left Out: 833.395 $\pm$ 162.965 χ^2 /NDF: 43.2/24

Right Out: 1673.621 $\pm$ 432.277 χ^2 /NDF: 17.3/14

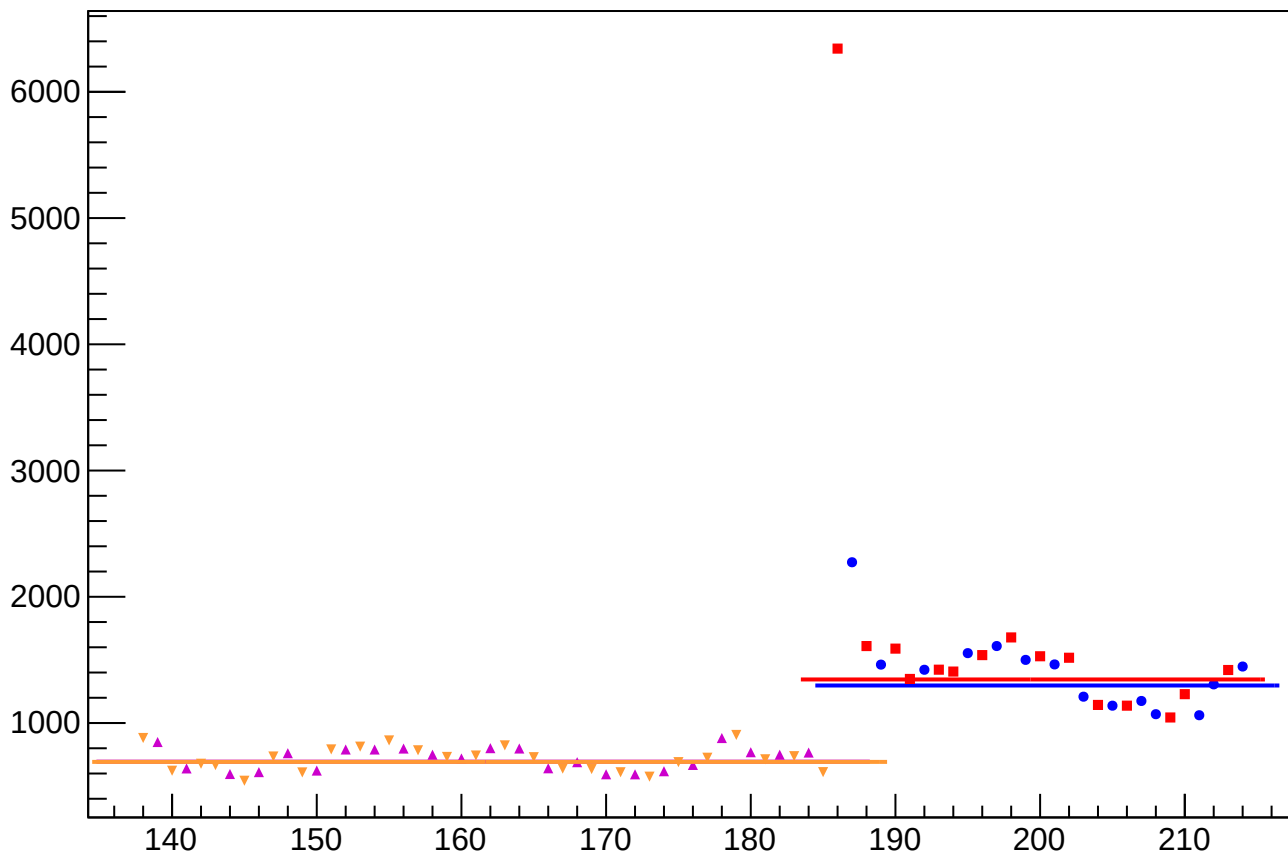
Left In: 148.814 $\pm$ 167.644 χ^2 /NDF: 26.0/22

+ sign 912.292 $\pm$ 151.705 χ^2 /NDF: 54.9/38

All: 638.645 $\pm$ 108.860 χ^2 /NDF: 115.7/76

- sign 348.165 $\pm$ 156.302 χ^2 /NDF: 54.1/37

asym_sam_1548_avg_rms vs Slug



Right In: 1297.279+/-0.294 χ^2/NDF : 434296.8/13

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1345.081+/-0.306 χ^2/NDF : 895630.8/14

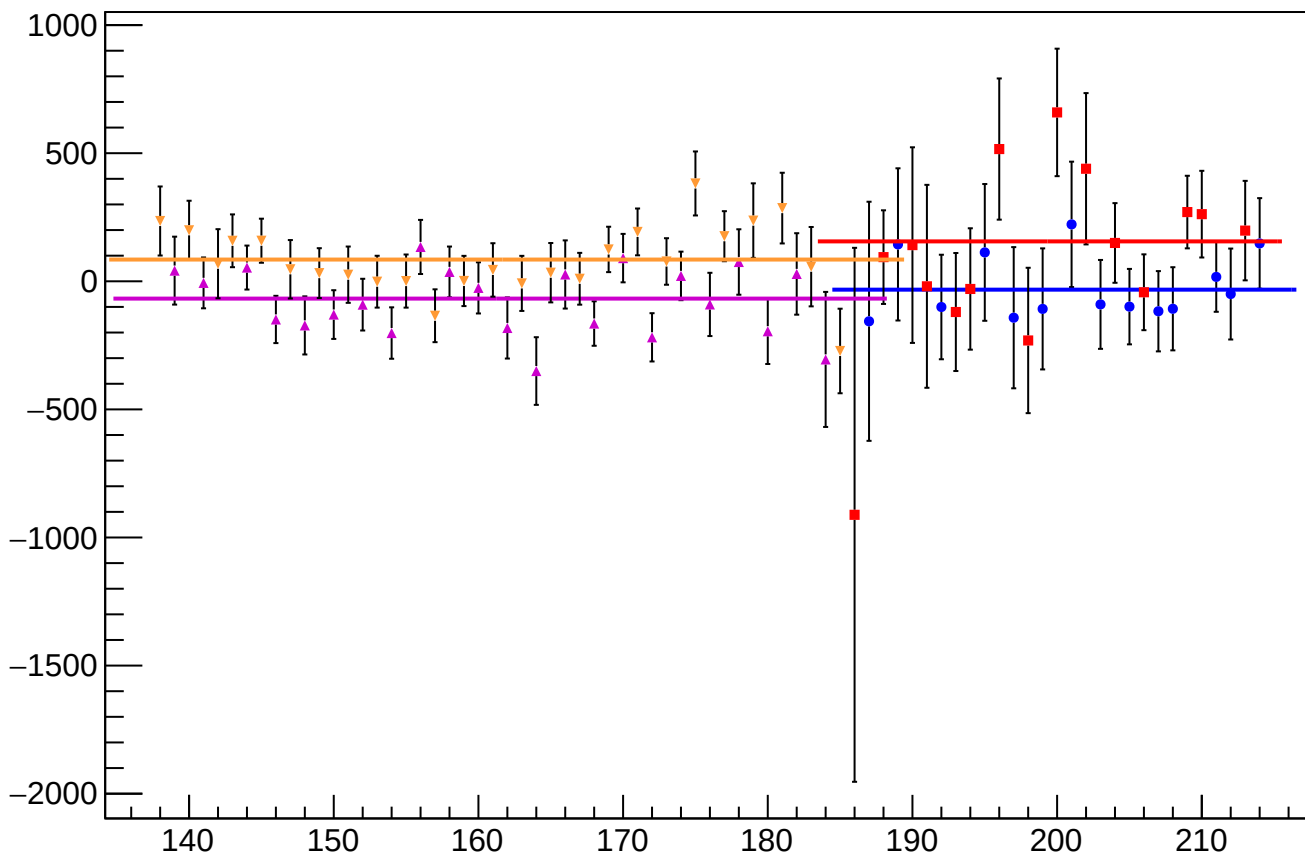
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 772.837+/-0.107 χ^2/NDF : 4771307.7/38

All: 775.829+/-0.077 χ^2/NDF : 10136110.7/76

- sign 779.006+/-0.111 χ^2/NDF : 5363199.0/37

reg_asym_sam_3748_avg_mean vs Slug



Right In: -32.645 ± 51.468 $\chi^2/\text{NDF}: 4.2/13$

Left Out: 84.860 ± 21.643 $\chi^2/\text{NDF}: 28.5/24$

Right Out: 155.758 ± 54.856 $\chi^2/\text{NDF}: 14.9/14$

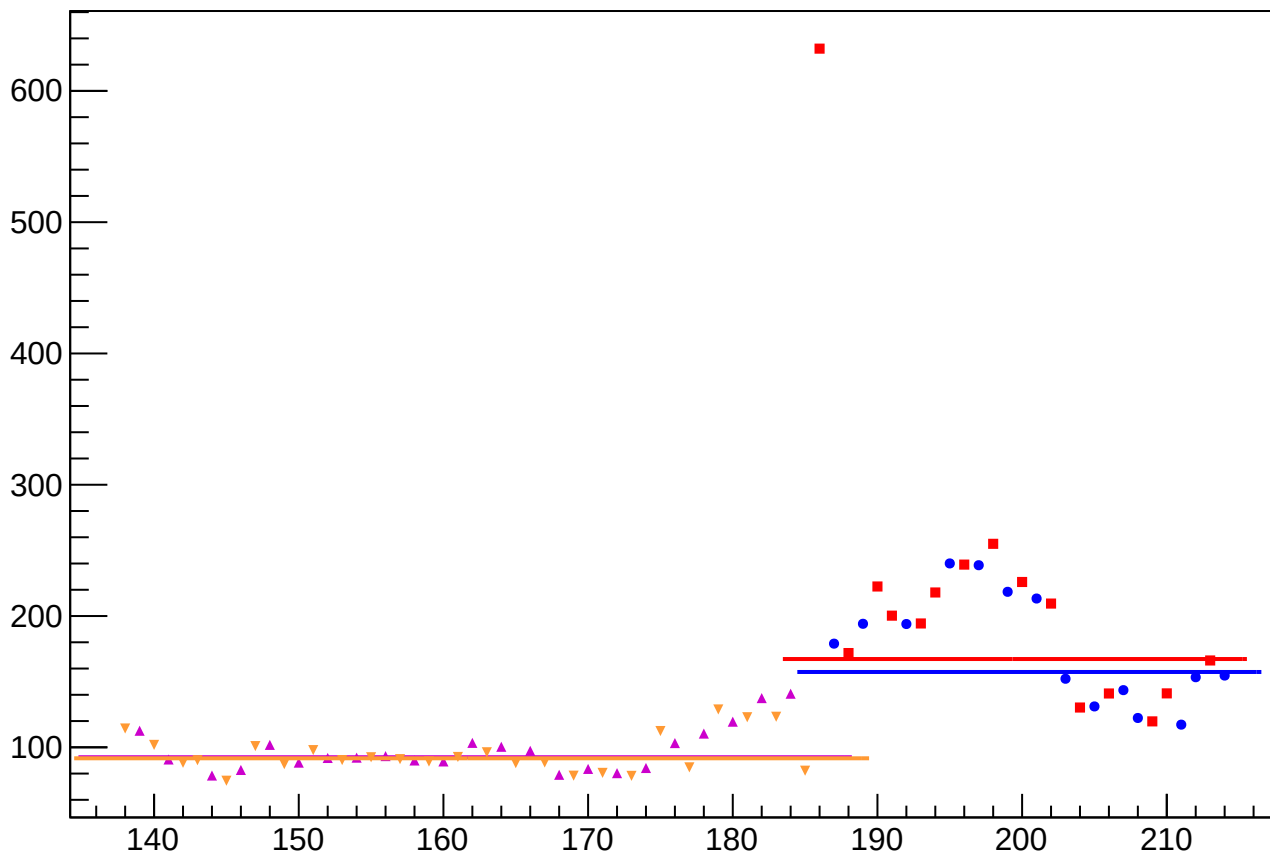
Left In: -67.552 ± 22.449 $\chi^2/\text{NDF}: 28.9/22$

+ sign 67.204 ± 19.951 $\chi^2/\text{NDF}: 37.1/38$

All: 17.926 ± 14.390 $\chi^2/\text{NDF}: 107.7/76$

- sign -35.518 ± 20.777 $\chi^2/\text{NDF}: 57.9/37$

reg_asym_sam_3748_avg_rms vs Slug



Right In: 157.381 $\pm$ 0.036 χ^2 /NDF: 1052428.2/13

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 167.249 $\pm$ 0.039 χ^2 /NDF: 1502756.0/14

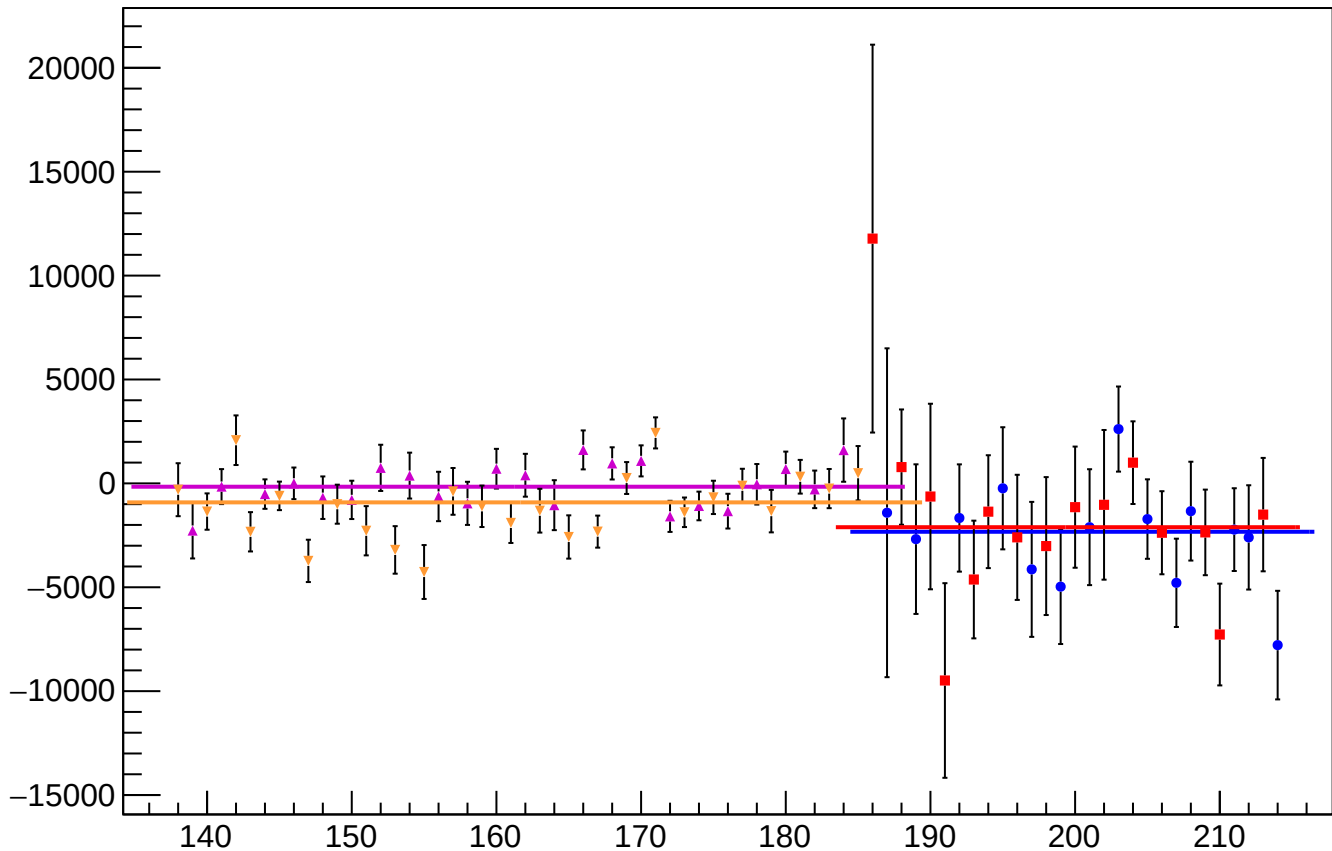
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 101.512 $\pm$ 0.014 χ^2 /NDF: 4518959.8/38

All: 102.319 $\pm$ 0.010 χ^2 /NDF: 9868045.3/76

- sign 103.194 $\pm$ 0.015 χ^2 /NDF: 5342267.2/37

asym_sam_3748_avg_correction_mean vs Slug



Right In: -2328.963 ± 677.173 χ^2/NDF : 13.6/13

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -2109.498 ± 719.285 χ^2/NDF : 14.0/14

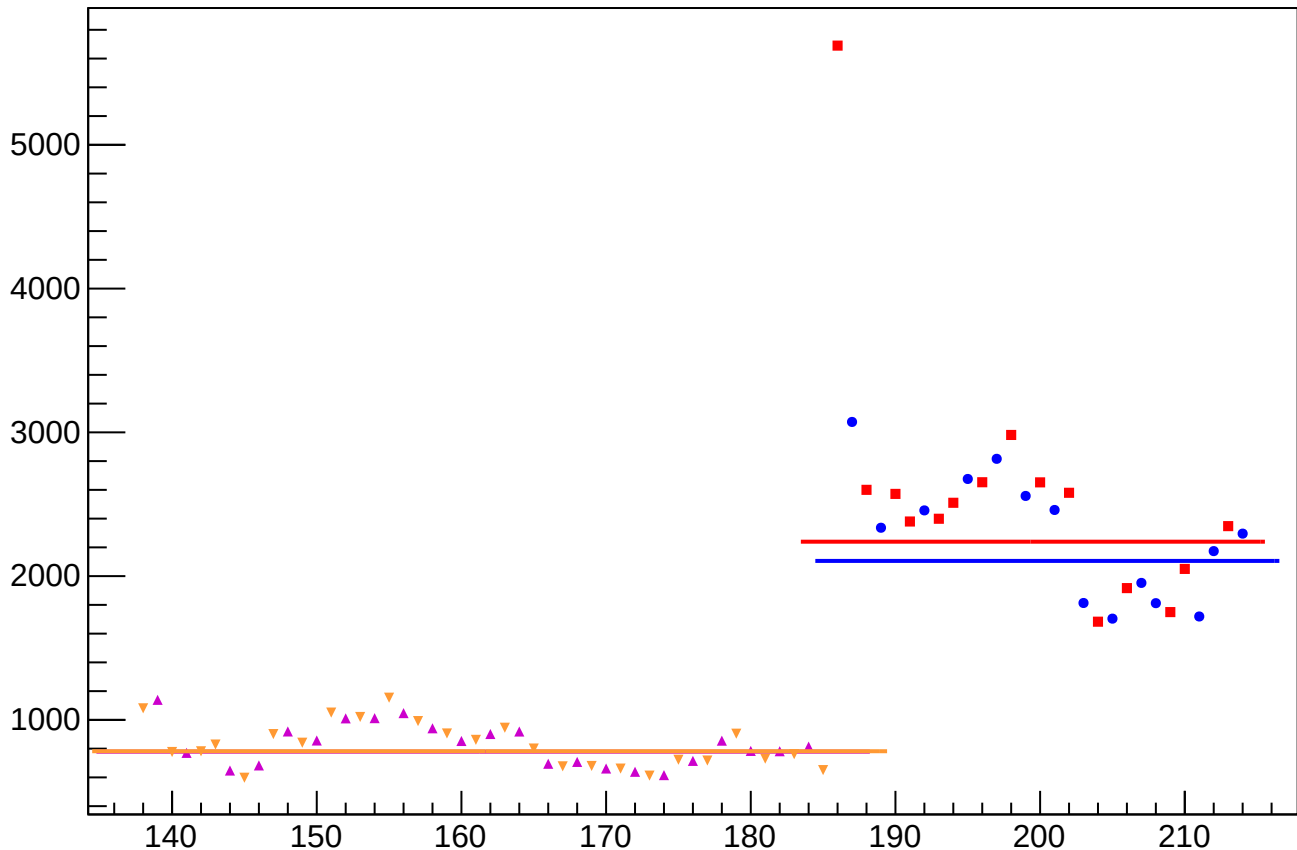
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -1013.278 ± 178.766 χ^2/NDF : 81.9/38

All: -659.367 ± 127.959 χ^2/NDF : 135.9/76

- sign -287.525 ± 183.239 χ^2/NDF : 46.0/37

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2105.773 $\pm$ 0.479 χ^2/NDF : 589077.7/13

Left Out: 782.042 $\pm$ 0.131 χ^2/NDF : 1130984.3/24

Right Out: 2239.506 $\pm$ 0.509 χ^2/NDF : 878705.3/14

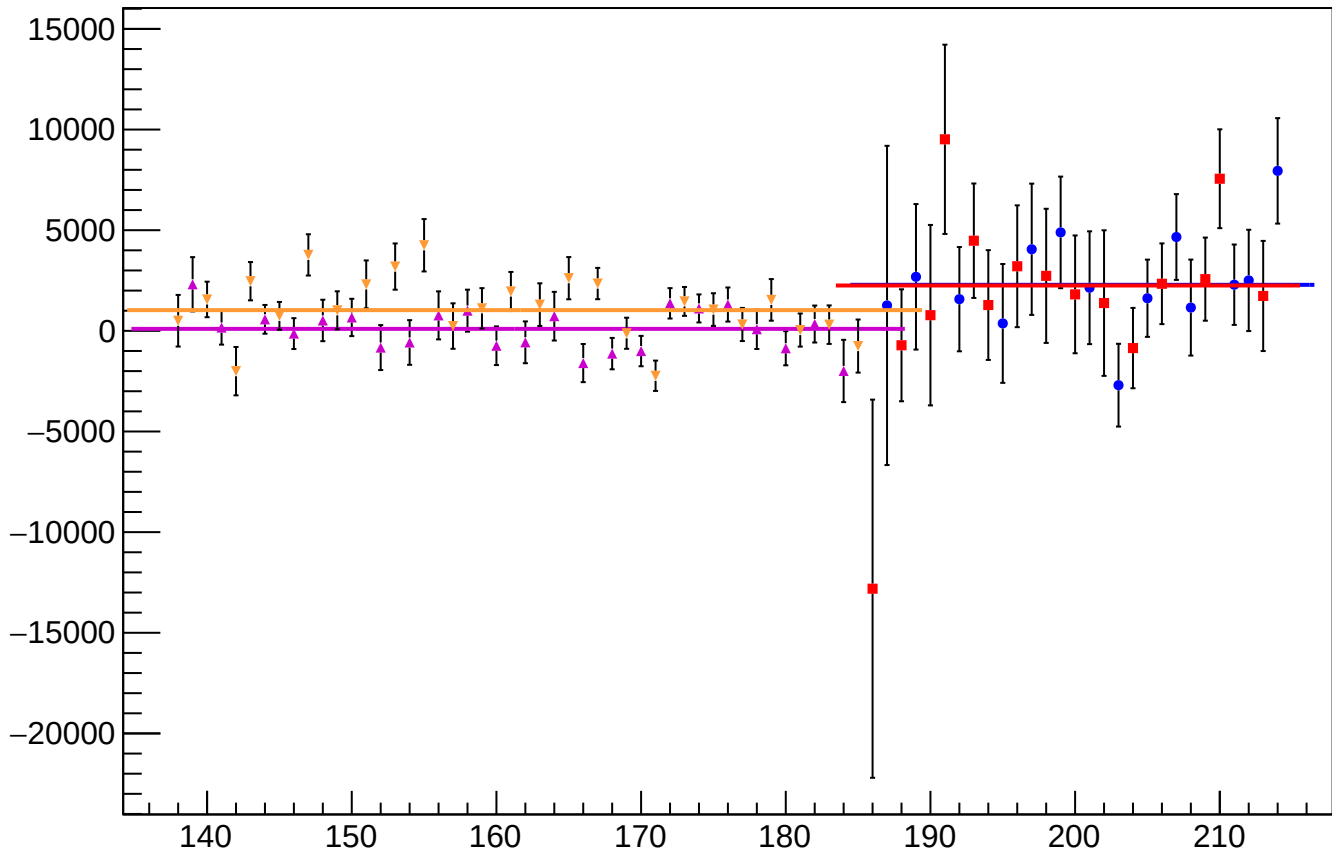
Left In: 778.995 $\pm$ 0.134 χ^2/NDF : 980243.4/22

+ sign 874.293 $\pm$ 0.126 χ^2/NDF : 8829868.8/38

All: 874.042 $\pm$ 0.090 χ^2/NDF : 18399578.4/76

- sign 873.779 $\pm$ 0.130 χ^2/NDF : 9569701.5/37

asym_sam_3748_avg_mean vs Slug



Right In: 2286.035 $\pm$ 679.313 χ^2 /NDF: 13.9/13

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF:60.2/24

Right Out: 2253.088 $\pm$ 721.600 χ^2 /NDF: 14.3/14

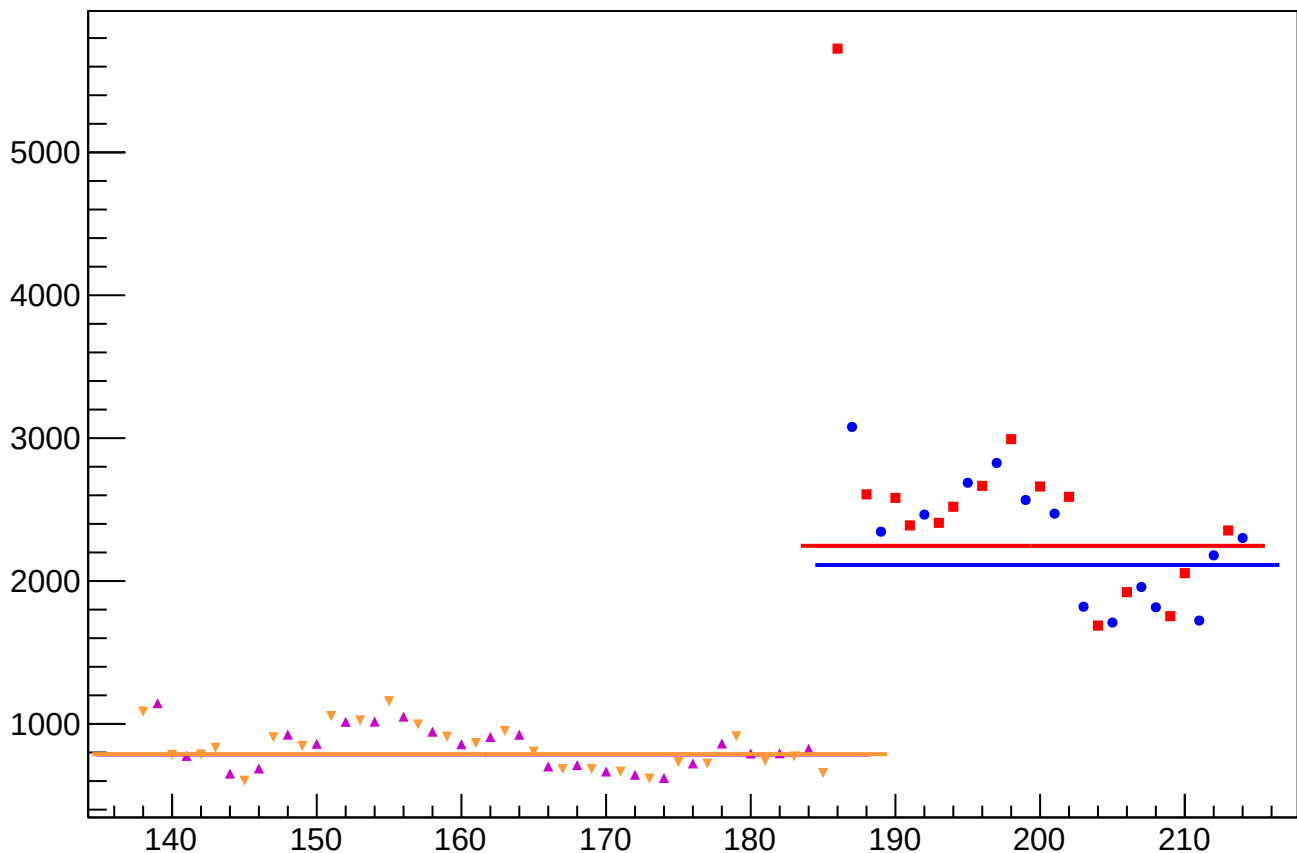
Left In: 98.691 $\pm$ 191.027 χ^2 /NDF:25.4/22

+ sign 1117.252 $\pm$ 180.123 χ^2 /NDF: 77.2/38

All: 689.443 $\pm$ 128.942 χ^2 /NDF: 136.8/76

- sign 239.784 $\pm$ 184.666 χ^2 /NDF: 48.0/37

asym_sam_3748_avg_rms vs Slug



Right In: 2112.299+/-0.480 χ^2/NDF : 591446.2/13

Left Out: 788.442+/-0.132 χ^2/NDF : 1113741.6/24

Right Out: 2246.507+/-0.510 χ^2/NDF : 882515.2/14

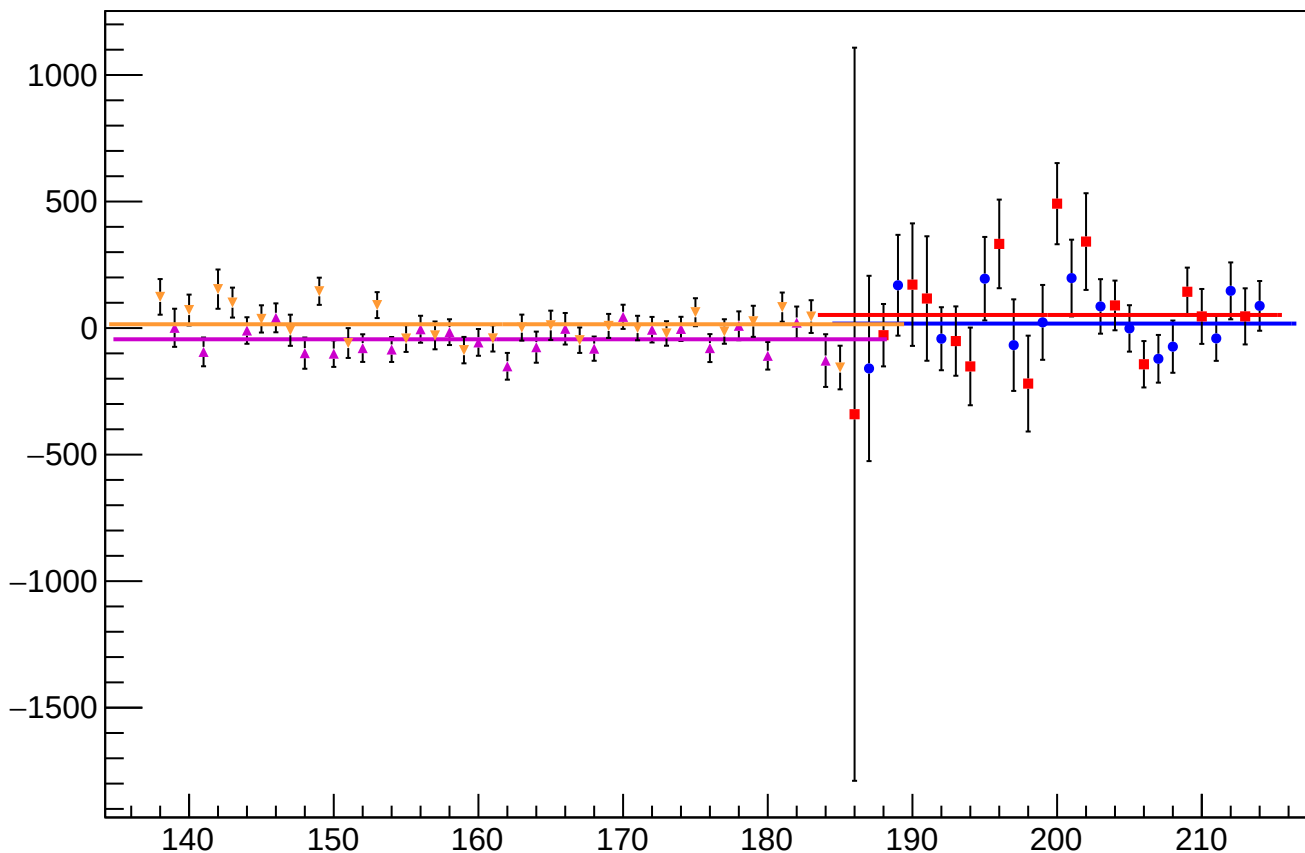
Left In: 785.490+/-0.135 χ^2/NDF : 965338.9/22

+ sign 881.519+/-0.127 χ^2/NDF : 8766917.6/38

All: 881.350+/-0.091 χ^2/NDF : 18276570.3/76

- sign 881.173+/-0.131 χ^2/NDF : 9509649.1/37

reg_asym_sam_1526_avg_mean vs Slug



Right In: 17.735 ± 32.029 χ^2/NDF : 9.5/13

Left Out: 15.099 ± 11.154 χ^2/NDF : 34.2/24

Right Out: 51.822 ± 34.897 χ^2/NDF : 23.2/14

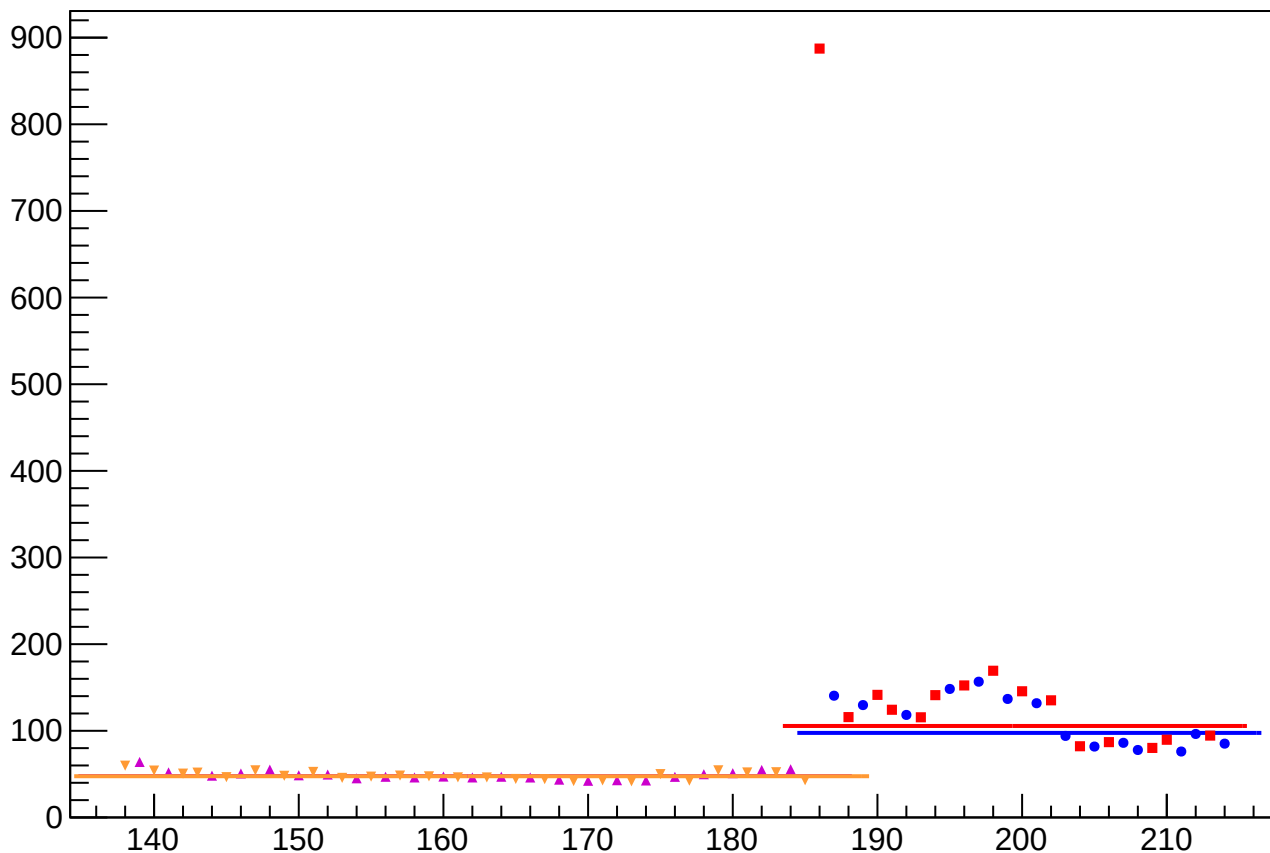
Left In: -44.297 ± 11.530 χ^2/NDF : 22.3/22

+ sign 15.384 ± 10.534 χ^2/NDF : 43.7/38

All: -8.759 ± 7.591 χ^2/NDF : 106.9/76

- sign -34.837 ± 10.948 χ^2/NDF : 52.3/37

reg_asym_sam_1526_avg_rms vs Slug



Right In: 97.586+/-0.023 χ^2/NDF : 1092690.0/13

Left Out: 47.586+/-0.008 χ^2/NDF : 312874.8/24

Right Out: 105.584+/-0.025 χ^2/NDF : 1712295.2/14

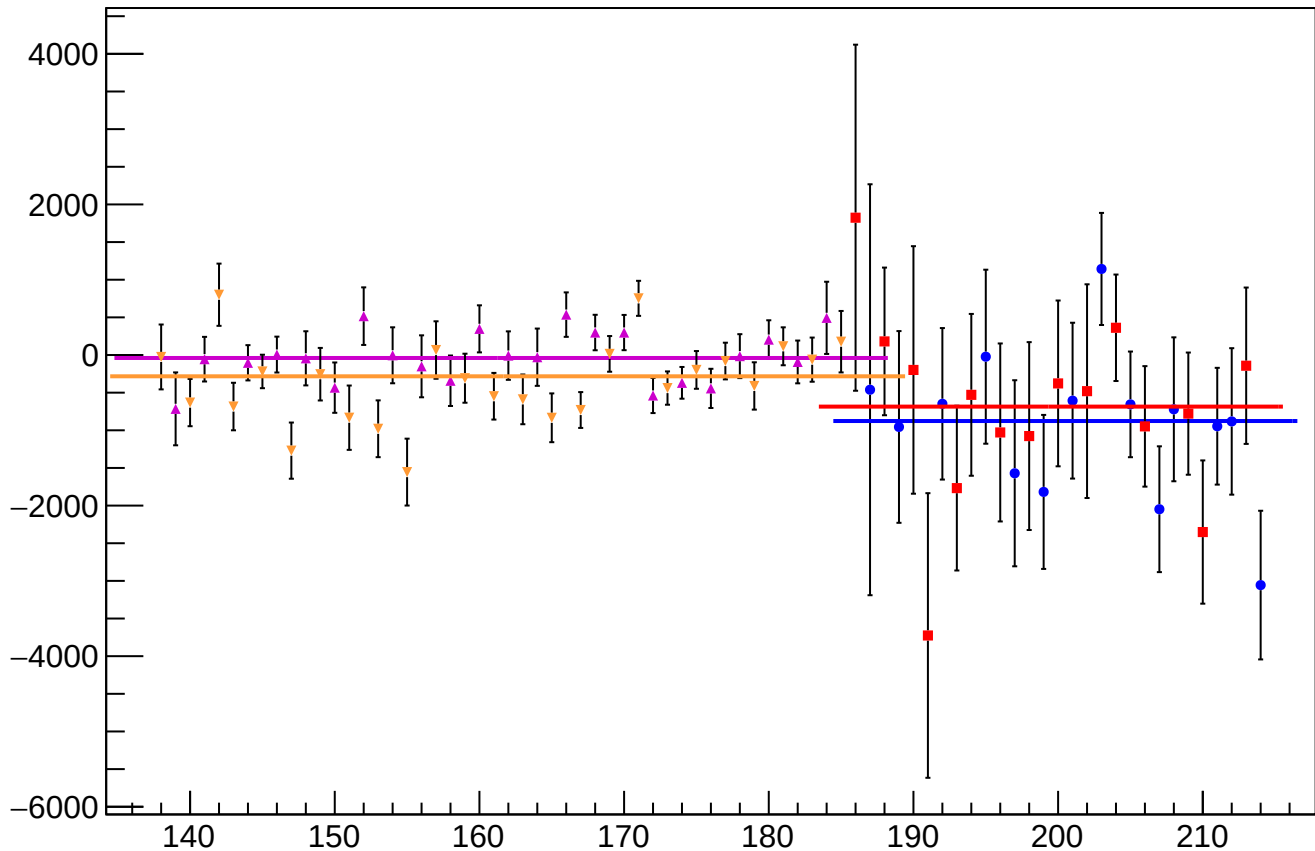
Left In: 47.846+/-0.008 χ^2/NDF : 281790.1/22

+ sign 52.994+/-0.007 χ^2/NDF : 5752310.0/38

All: 53.251+/-0.005 χ^2/NDF : 12685117.1/76

- sign 53.529+/-0.008 χ^2/NDF : 6930334.8/37

asym_sam_1526_avg_correction_mean vs Slug



Right In: -876.753 ± 257.002 χ^2/NDF : 16.2/13

Left Out: -282.798 ± 59.690 χ^2/NDF : 66.5/24

Right Out: -685.269 ± 273.447 χ^2/NDF : 11.6/14

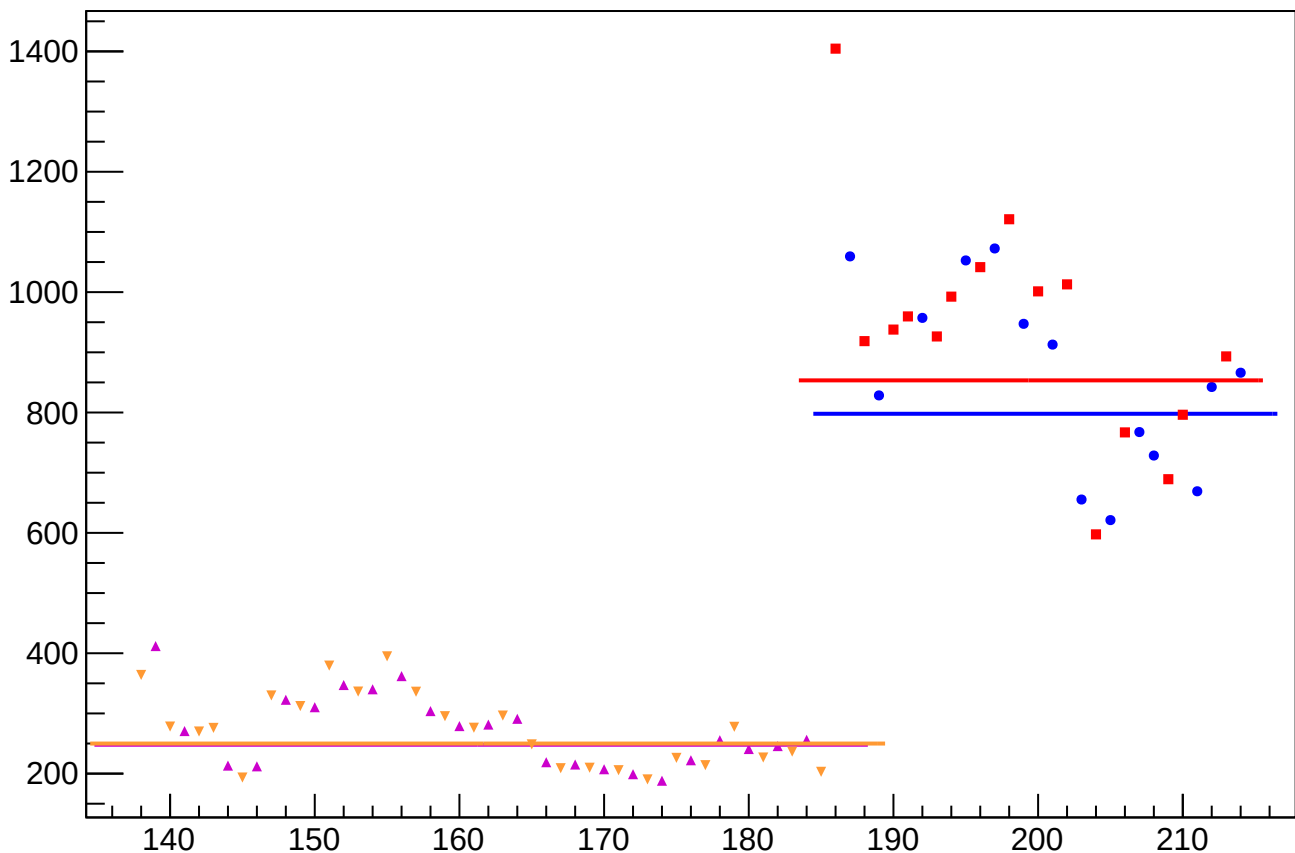
Left In: -39.432 ± 60.759 χ^2/NDF : 27.5/22

+ sign -313.198 ± 58.142 χ^2/NDF : 87.8/38

All: -193.932 ± 41.520 χ^2/NDF : 140.8/76

- sign -69.817 ± 59.312 χ^2/NDF : 44.4/37

asym_sam_1526_avg_correction_rms vs Slug



Right In: 797.883 $\pm$ 0.182 χ^2 /NDF: 615155.8/13

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF:1614205.9/24

Right Out: 853.382 $\pm$ 0.193 χ^2 /NDF: 759352.6/14

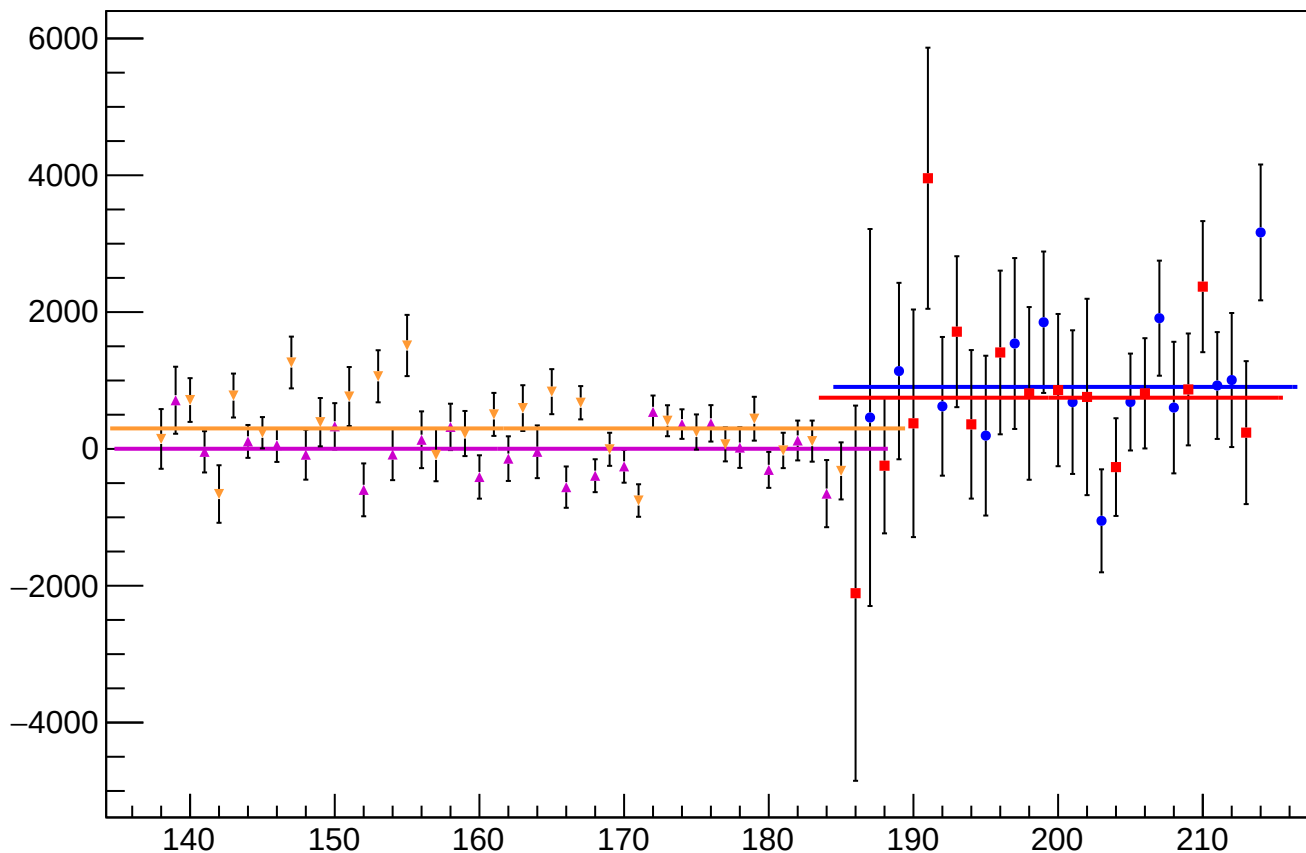
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF:1410847.5/22

+ sign 278.000 $\pm$ 0.041 χ^2 /NDF: 10854912.2/38

All: 277.217 $\pm$ 0.029 χ^2 /NDF: 22369821.5/76

- sign 276.403 $\pm$ 0.042 χ^2 /NDF: 11514169.6/37

asym_sam_1526_avg_mean vs Slug



Right In: 906.371+/-259.301 χ^2/NDF : 15.2/13

Left Out: 299.562+/-60.860 χ^2/NDF : 62.5/24

Right Out: 748.614+/-276.484 χ^2/NDF : 11.3/14

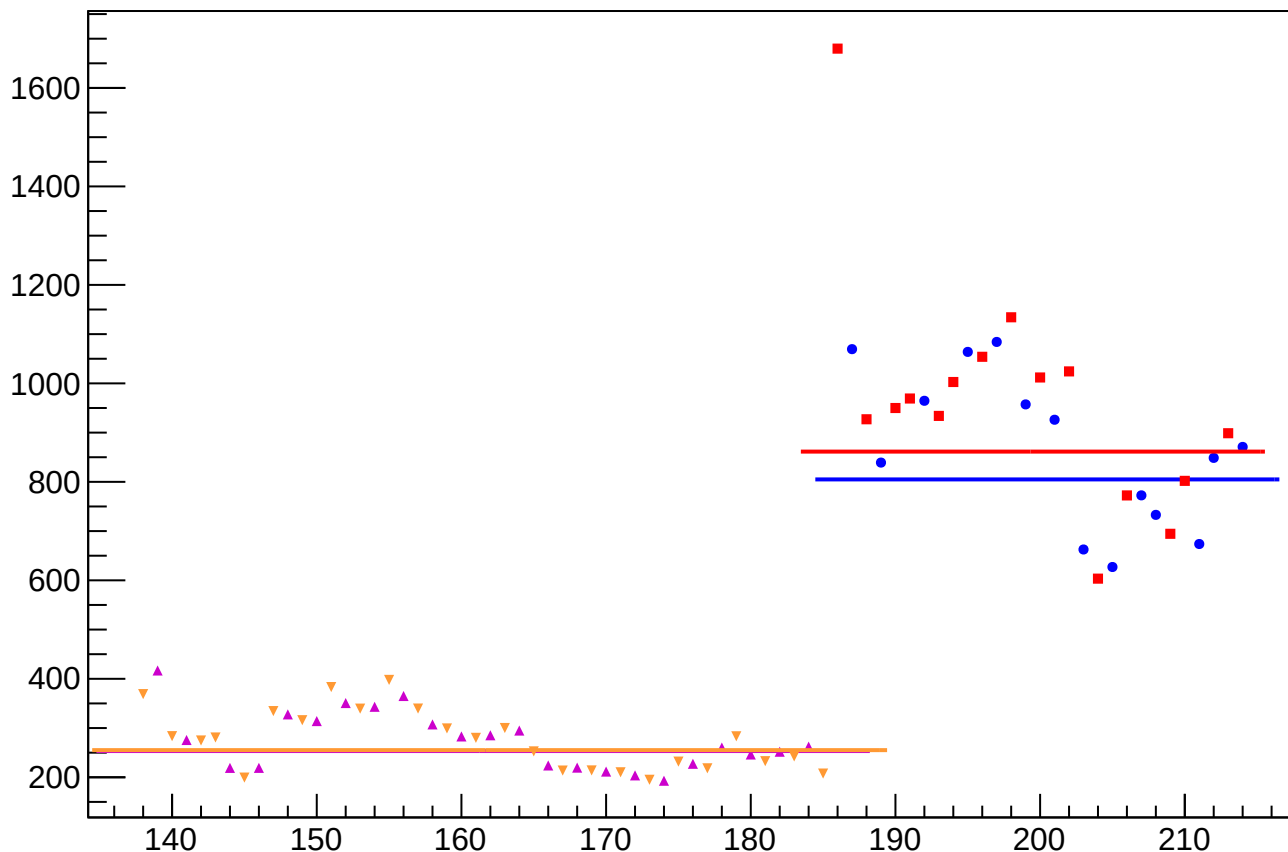
Left In: 2.185+/-62.005 χ^2/NDF : 29.2/22

+ sign 331.244+/-59.250 χ^2/NDF : 82.9/38

All: 187.653+/-42.332 χ^2/NDF : 142.3/76

- sign 37.928+/-60.502 χ^2/NDF : 47.4/37

asym_sam_1526_avg_rms vs Slug



Right In: 804.945 $\pm$ 0.183 χ^2 /NDF: 618906.4/13

Left Out: 255.135 $\pm$ 0.043 χ^2 /NDF: 1542039.5/24

Right Out: 861.437 $\pm$ 0.196 χ^2 /NDF: 828166.7/14

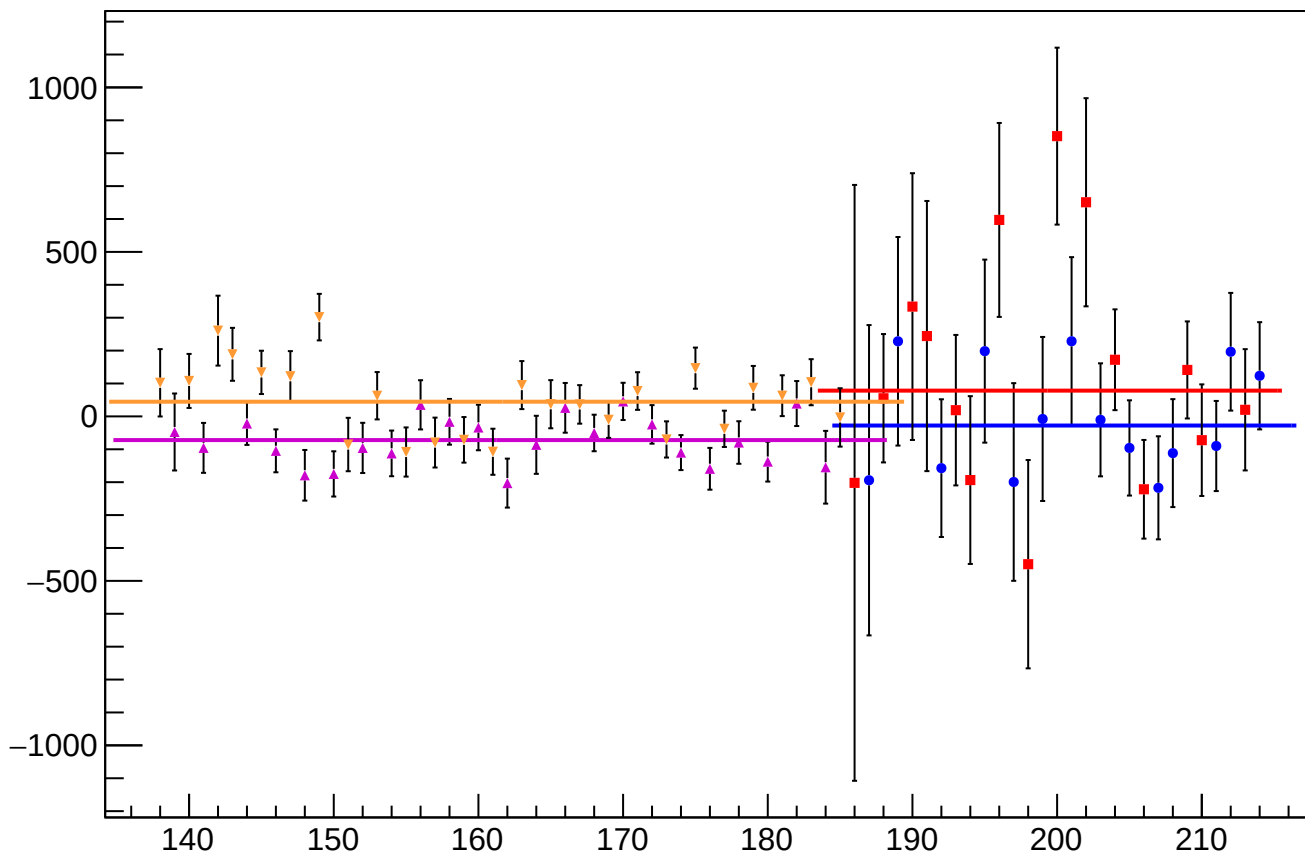
Left In: 253.287 $\pm$ 0.044 χ^2 /NDF: 1341662.3/22

+ sign 283.842 $\pm$ 0.042 χ^2 /NDF: 10683292.0/38

All: 283.140 $\pm$ 0.030 χ^2 /NDF: 22066673.1/70

- sign 282.409 $\pm$ 0.043 χ^2 /NDF: 11382808.5/37

reg_asym_sam_3726_avg_mean vs Slug



Right In: -27.796 ± 51.686 χ^2/NDF : 7.8/13

Left Out: 44.602 ± 13.824 χ^2/NDF : 53.9/24

Right Out: 78.317 ± 56.210 χ^2/NDF : 24.7/14

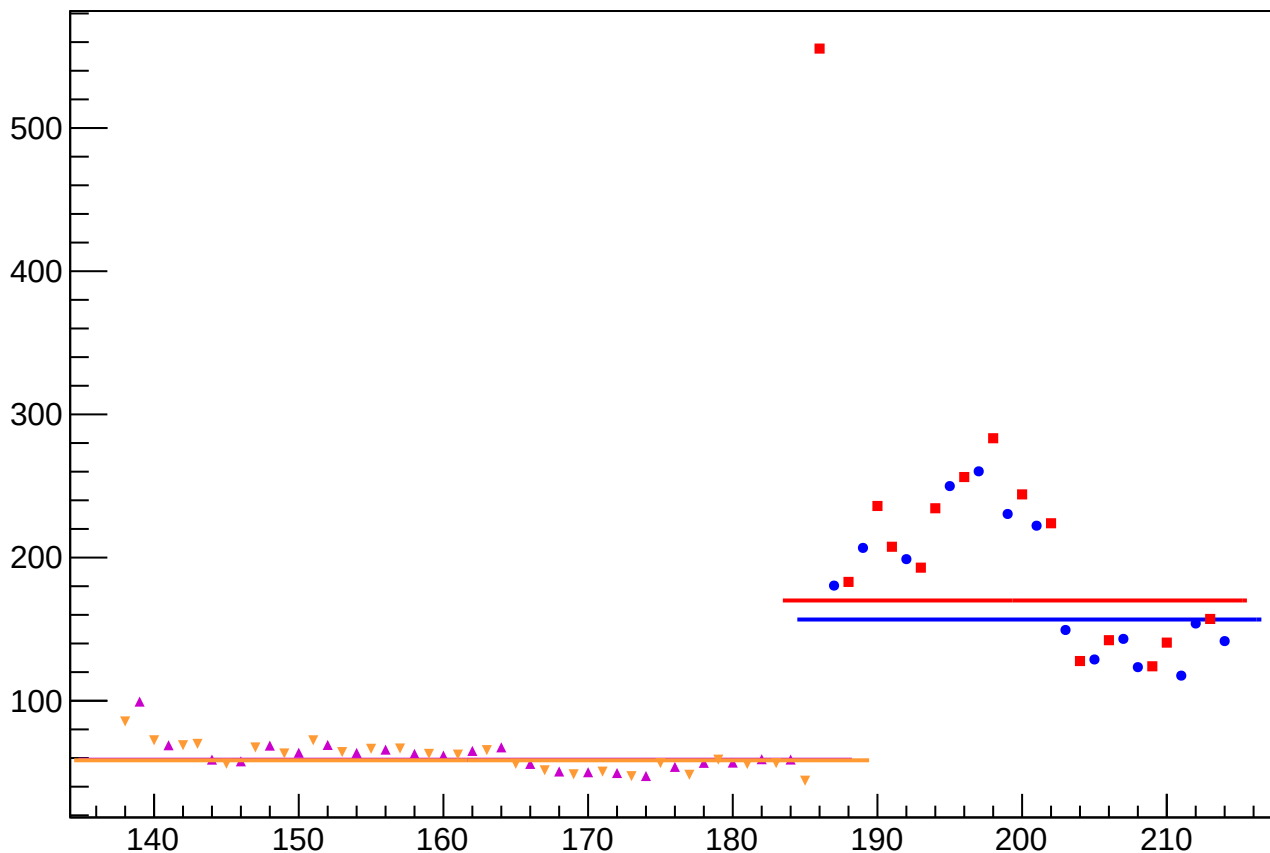
Left In: -72.037 ± 14.296 χ^2/NDF : 25.3/22

+ sign 39.768 ± 13.355 χ^2/NDF : 63.5/38

All: -9.679 ± 9.615 χ^2/NDF : 148.7/76

- sign -62.902 ± 13.855 χ^2/NDF : 56.8/37

reg_asym_sam_3726_avg_rms vs Slug



Right In: 156.744 $\pm$ 0.037 χ^2 /NDF: 1260271.3/13

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 170.040 $\pm$ 0.040 χ^2 /NDF: 1710382.8/14

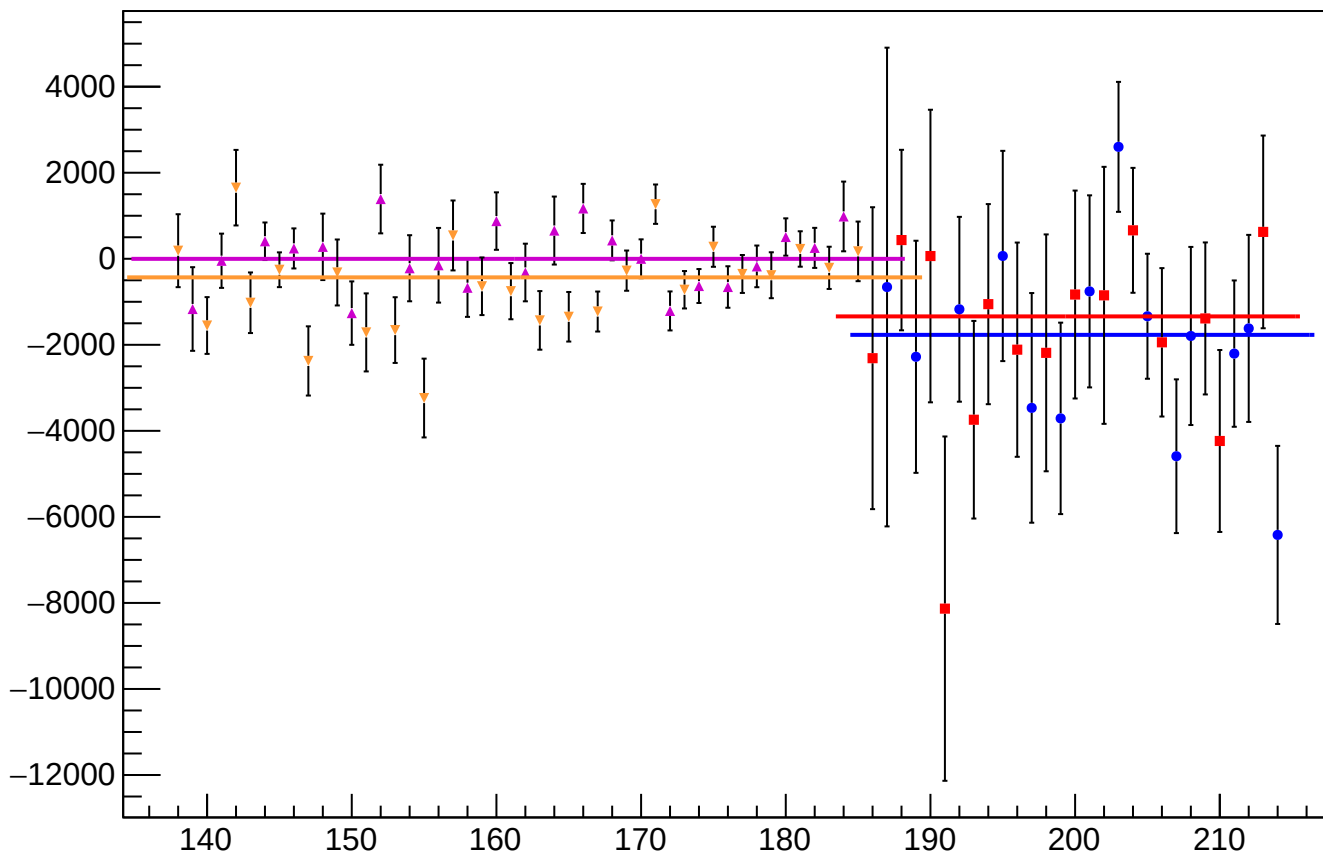
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 64.987 $\pm$ 0.009 χ^2 /NDF: 8804558.6/38

All: 65.280 $\pm$ 0.007 χ^2 /NDF: 18548574.4/76

- sign 65.596 $\pm$ 0.010 χ^2 /NDF: 9742013.3/37

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1768.703 $\pm$ 546.684 χ^2 /NDF: 18.2/13

Left Out: -432.330 $\pm$ 114.408 χ^2 /NDF: 59.4/24

Right Out: -1339.714 $\pm$ 581.011 χ^2 /NDF: 9.9/14

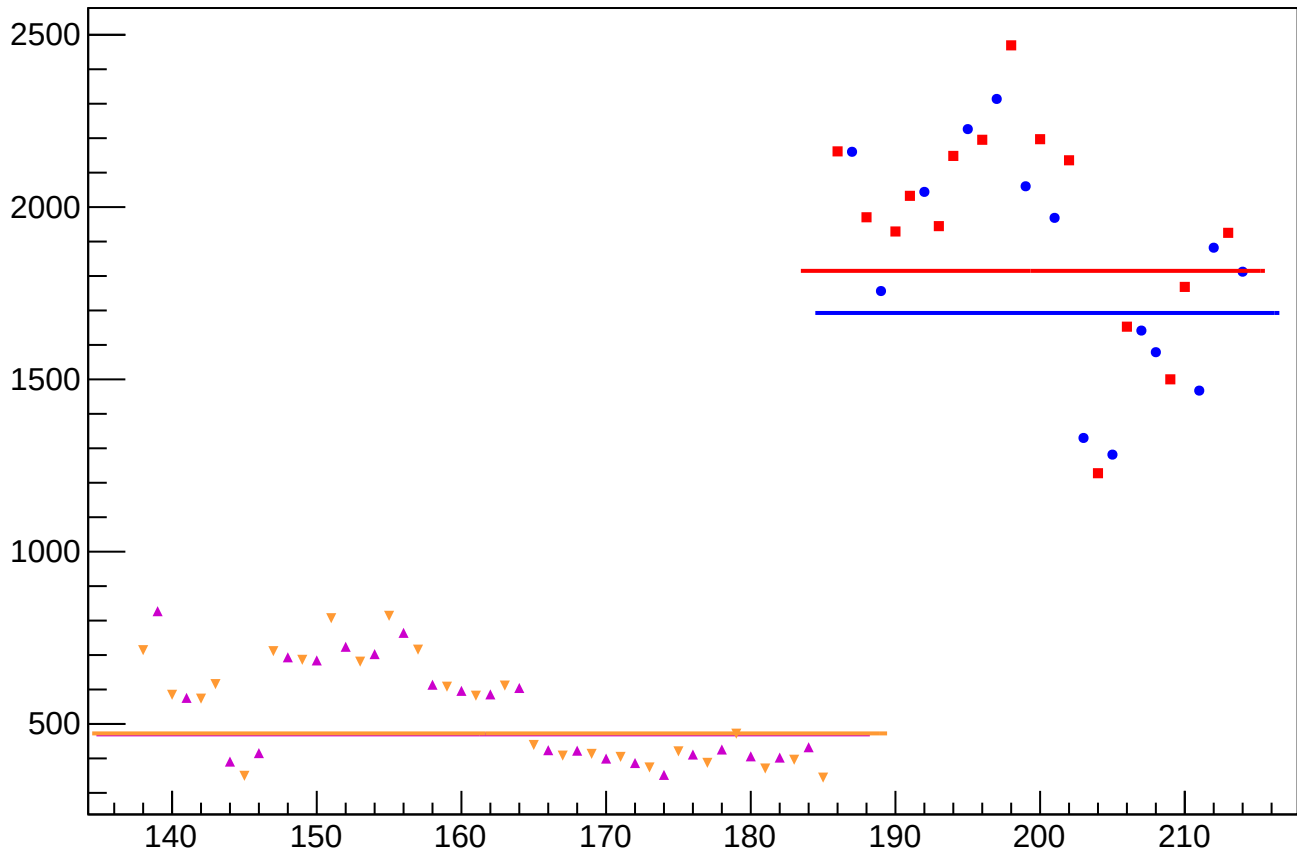
Left In: -1.825 $\pm$ 116.459 χ^2 /NDF: 32.3/22

+ sign -488.403 $\pm$ 111.982 χ^2 /NDF: 83.3/38

All: -275.192 $\pm$ 79.952 χ^2 /NDF: 137.9/76

- sign -53.501 $\pm$ 114.188 χ^2 /NDF: 47.3/37

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1692.765 $\pm$ 0.387 χ^2/NDF : 697656.4/13

Left Out: 472.569 $\pm$ 0.081 χ^2/NDF : 2508168.9/24

Right Out: 1814.939 $\pm$ 0.411 χ^2/NDF : 733291.1/14

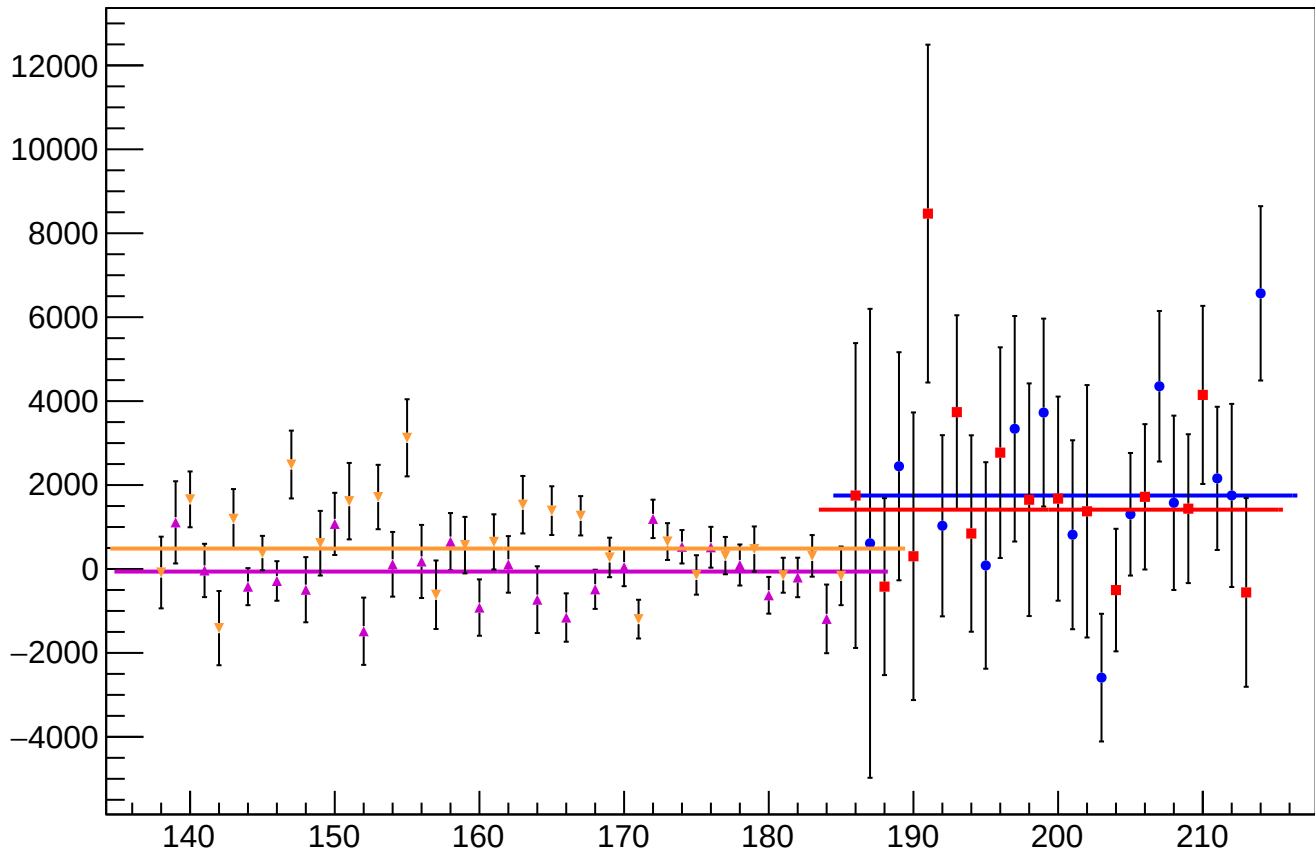
Left In: 469.761 $\pm$ 0.082 χ^2/NDF : 2116885.7/22

+ sign 523.767 $\pm$ 0.079 χ^2/NDF : 12751362.2/38

All: 522.763 $\pm$ 0.057 χ^2/NDF : 25908430.5/76

- sign 521.719 $\pm$ 0.081 χ^2/NDF : 13156740.4/37

asym_sam_3726_avg_mean vs Slug



Right In: 1750.374 $\pm$ 549.558 χ^2 /NDF: 17.8/13

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF: 56.0/24

Right Out: 1413.668 $\pm$ 584.532 χ^2 /NDF: 9.5/14

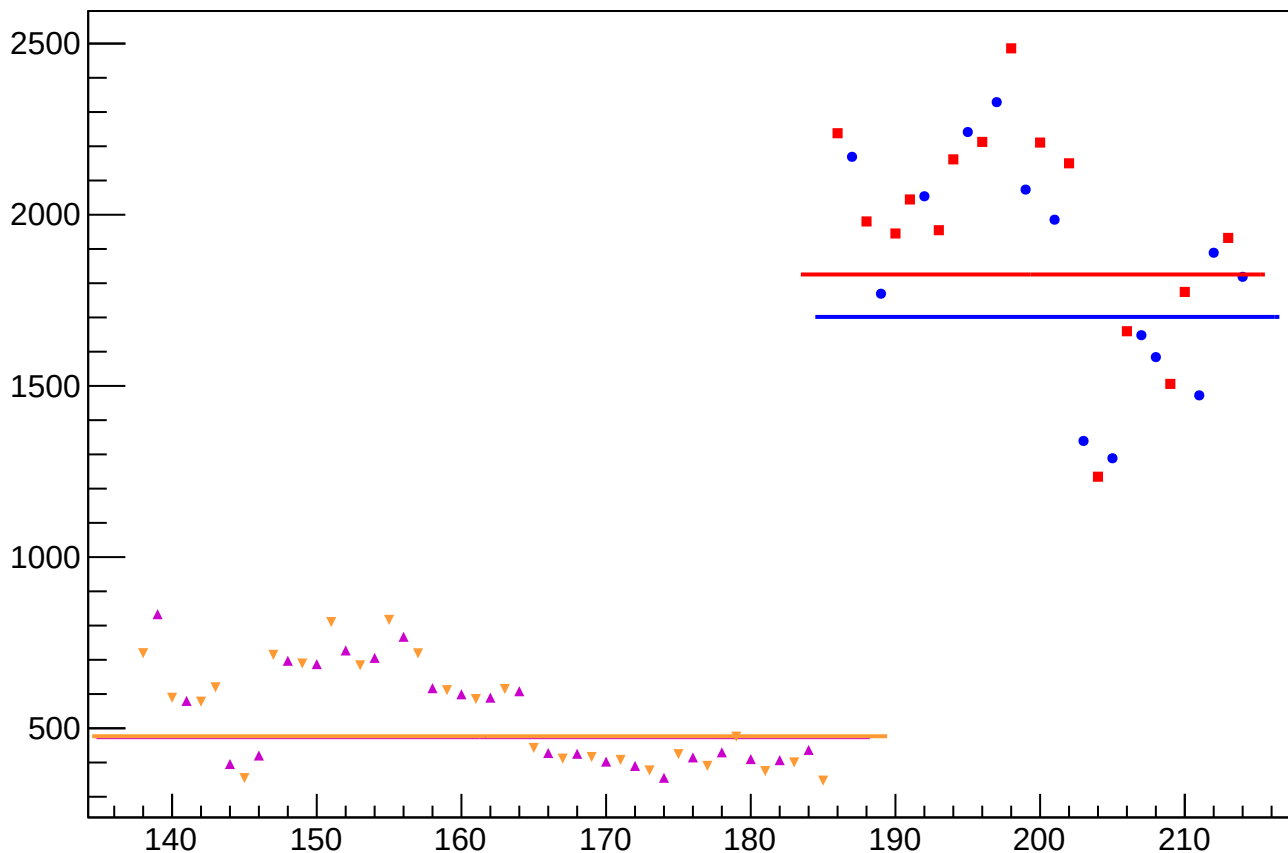
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF: 31.2/22

+ sign 539.968 $\pm$ 112.886 χ^2 /NDF: 78.9/38

All: 273.122 $\pm$ 80.610 χ^2 /NDF: 137.0/76

- sign -4.520 $\pm$ 115.147 χ^2 /NDF: 46.8/37

asym_sam_3726_avg_rms vs Slug



Right In: 1701.584 $\pm$ 0.389 χ^2 /NDF: 699490.8/13

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF: 2472737.6/24

Right Out: 1825.504 $\pm$ 0.413 χ^2 /NDF: 743492.7/14

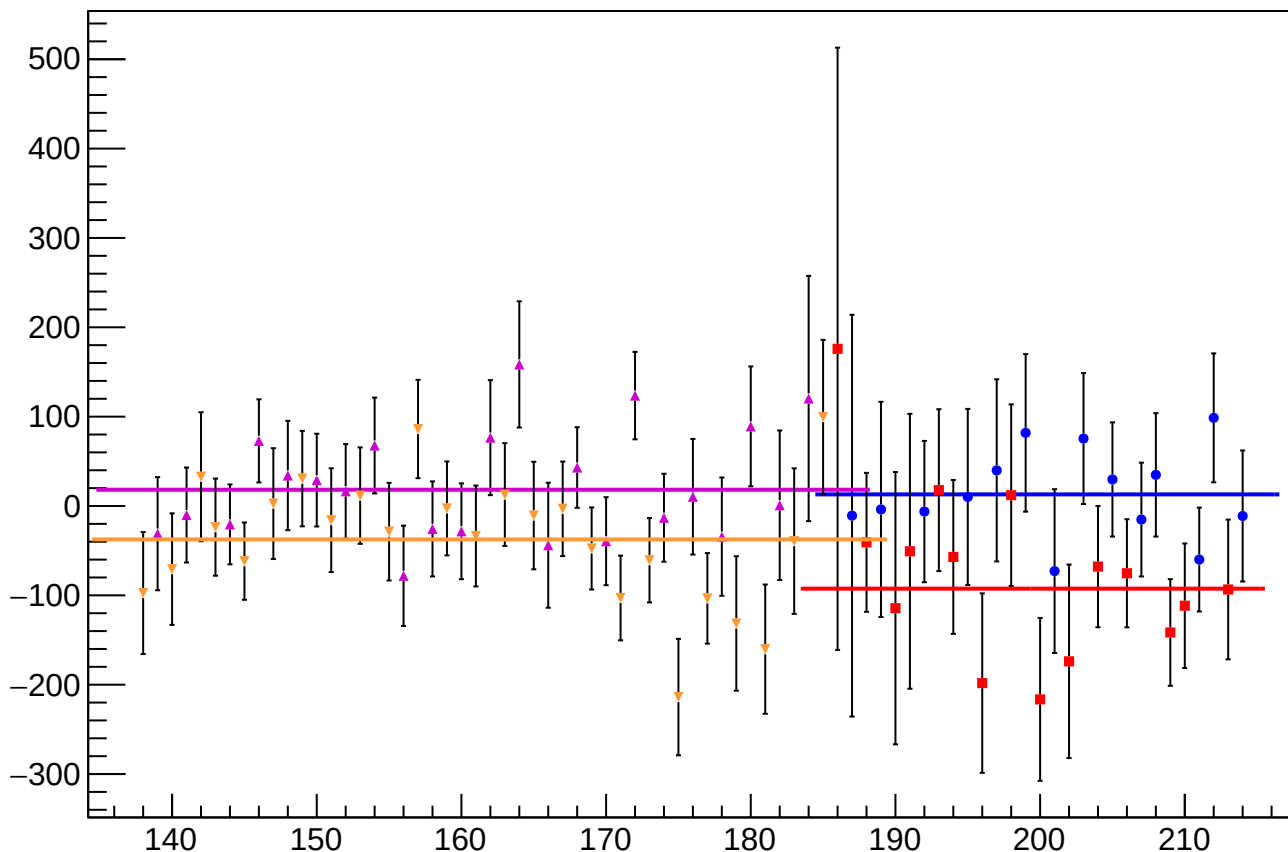
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF: 2087113.7/22

+ sign 528.374 $\pm$ 0.080 χ^2 /NDF: 12688734.0/38

All: 527.421 $\pm$ 0.057 χ^2 /NDF: 25796724.4/76

- sign 526.430 $\pm$ 0.081 χ^2 /NDF: 13107699.7/37

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 12.989 ± 21.048 χ^2/NDF : 5.8/13

Left Out: -37.413 ± 11.390 χ^2/NDF : 30.5/24

Right Out: -92.516 ± 22.040 χ^2/NDF : 8.4/14

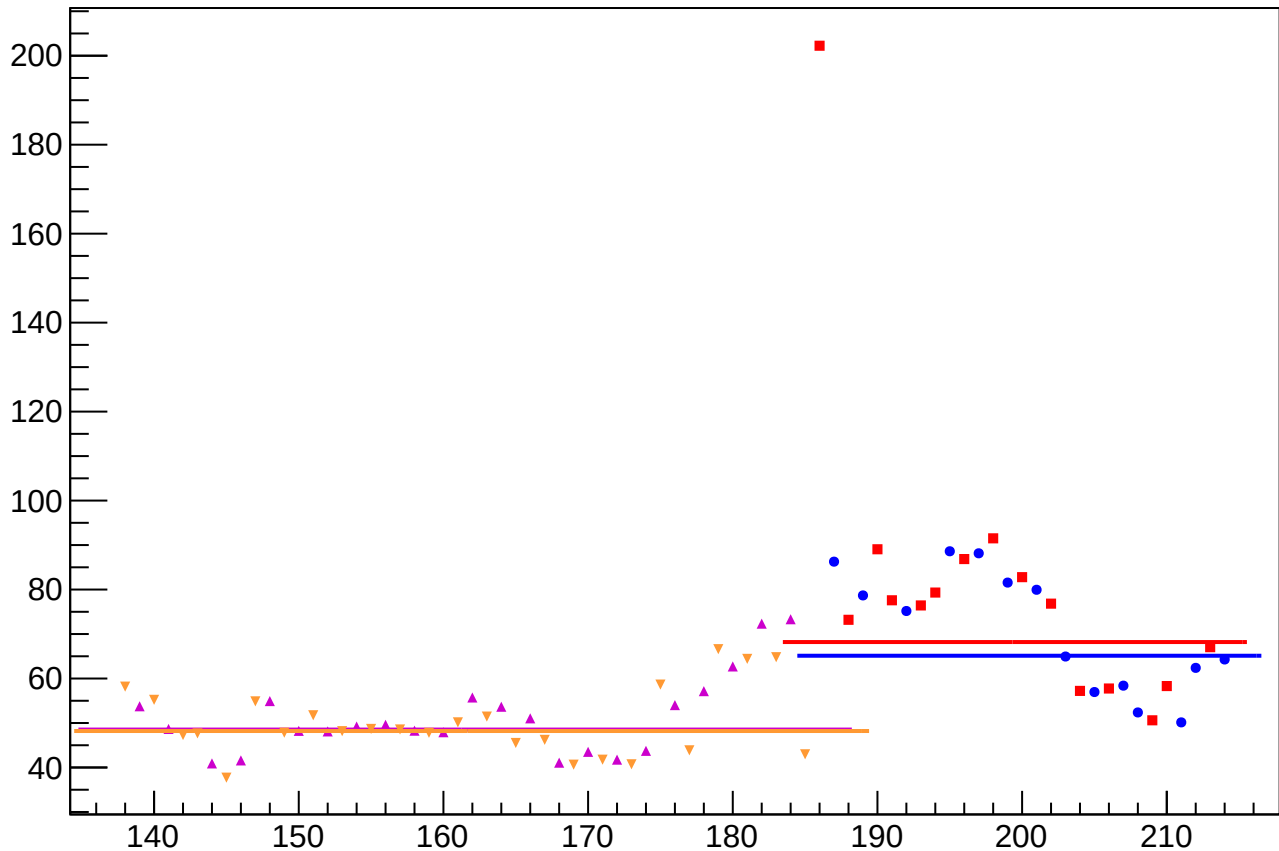
Left In: 18.210 ± 11.788 χ^2/NDF : 23.0/22

+ sign -25.997 ± 10.017 χ^2/NDF : 40.7/38

All: -16.570 ± 7.213 χ^2/NDF : 93.6/76

- sign -6.419 ± 10.394 χ^2/NDF : 51.0/37

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 65.121+/-0.015 χ^2/NDF : 671912.4/13

Left Out: 48.200+/-0.008 χ^2/NDF : 750196.2/24

Right Out: 68.199+/-0.016 χ^2/NDF : 984152.9/14

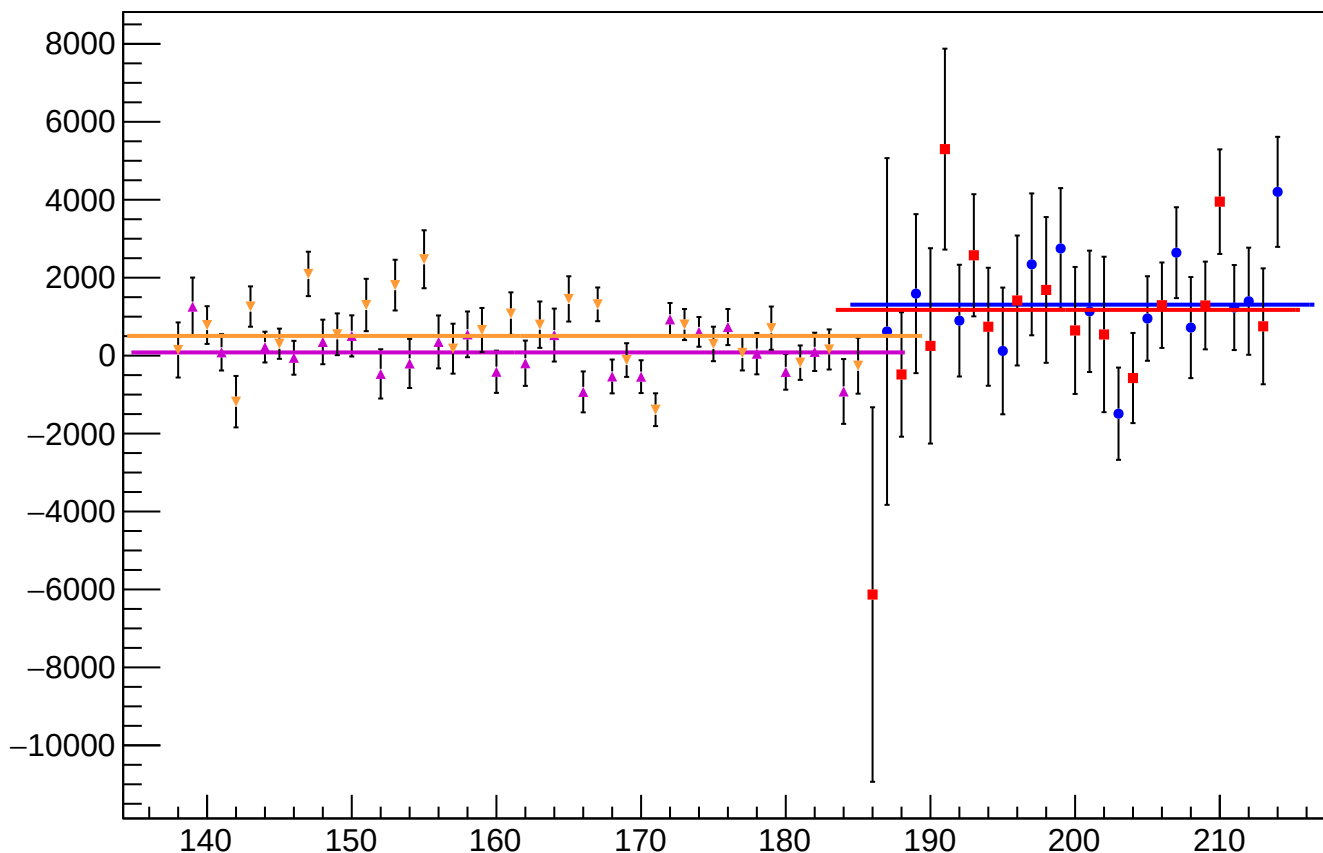
Left In: 48.527+/-0.008 χ^2/NDF : 675340.8/22

+ sign 52.032+/-0.007 χ^2/NDF : 2421980.4/38

All: 52.451+/-0.005 χ^2/NDF : 5327759.0/76

- sign 52.902+/-0.007 χ^2/NDF : 2898511.1/37

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1307.476 ± 376.578 χ^2/NDF : 13.3/13

Left Out: 506.205 ± 103.468 χ^2/NDF : 65.7/24

Right Out: 1173.868 ± 400.372 χ^2/NDF : 13.9/14

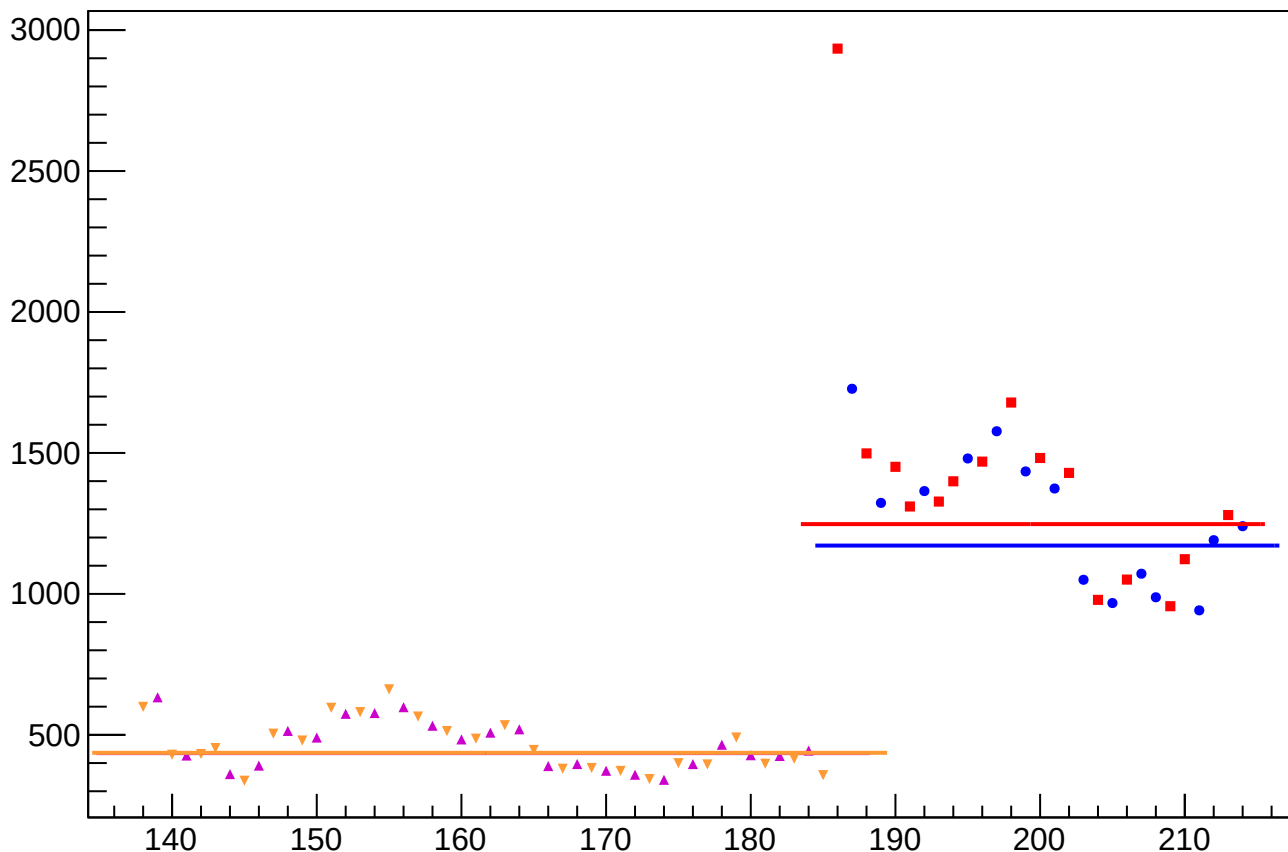
Left In: 82.421 ± 105.935 χ^2/NDF : 25.3/22

+ sign 562.449 ± 99.770 χ^2/NDF : 83.2/38

All: 363.477 ± 71.464 χ^2/NDF : 137.6/76

- sign 153.832 ± 102.411 χ^2/NDF : 46.2/37

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1171.449 $\pm$ 0.266 χ^2/NDF : 581755.2/13

Left Out: 436.301 $\pm$ 0.073 χ^2/NDF : 1179348.4/24

Right Out: 1247.572 $\pm$ 0.283 χ^2/NDF : 859393.8/14

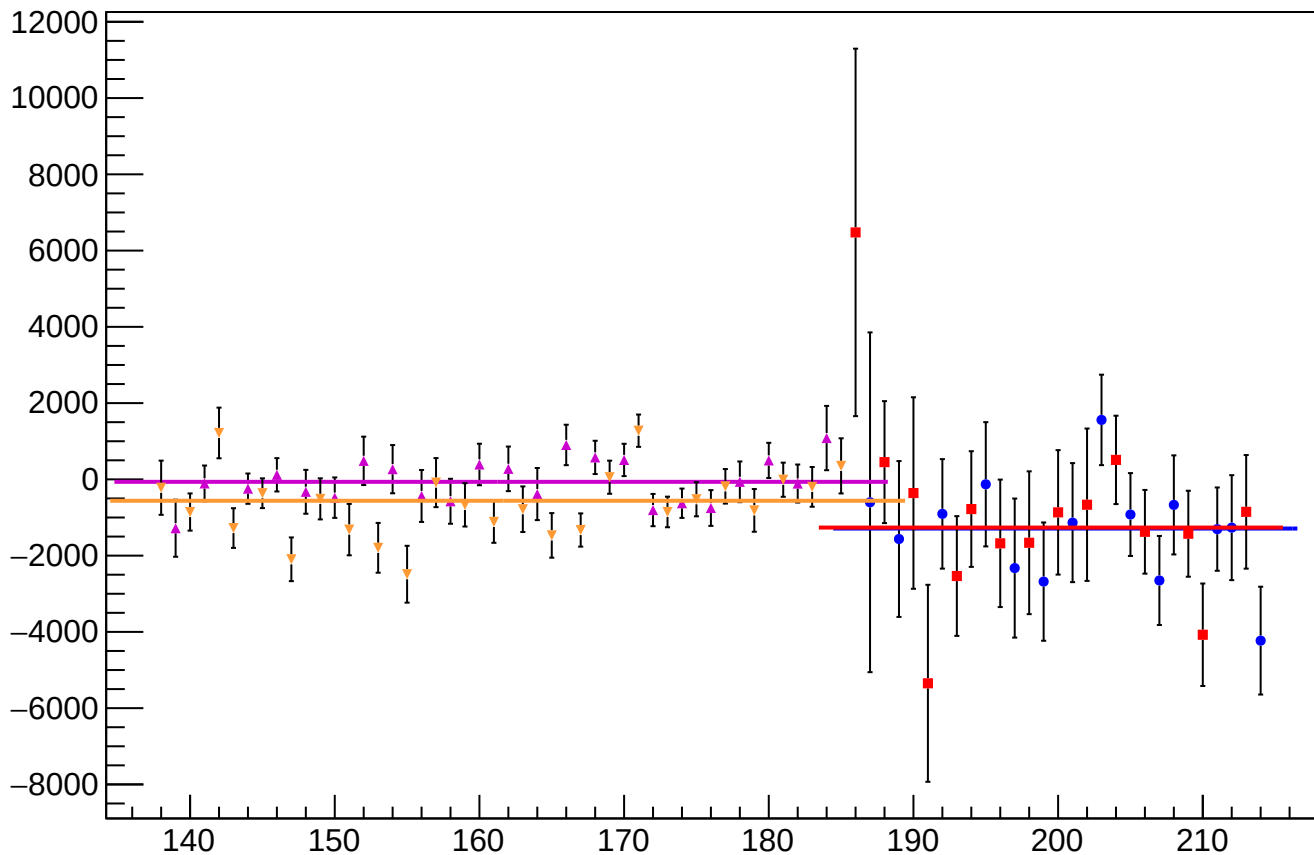
Left In: 435.275 $\pm$ 0.075 χ^2/NDF : 1027713.1/22

+ sign 487.904 $\pm$ 0.071 χ^2/NDF : 8848105.2/38

All: 488.156 $\pm$ 0.051 χ^2/NDF : 18429088.0/76

- sign 488.422 $\pm$ 0.072 χ^2/NDF : 9580956.5/37

asym_sam_15_48_dd_mean vs Slug



Right In: -1289.575 ± 377.203 χ^2/NDF : 13.6/13

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -1263.890 ± 401.026 χ^2/NDF : 14.2/14

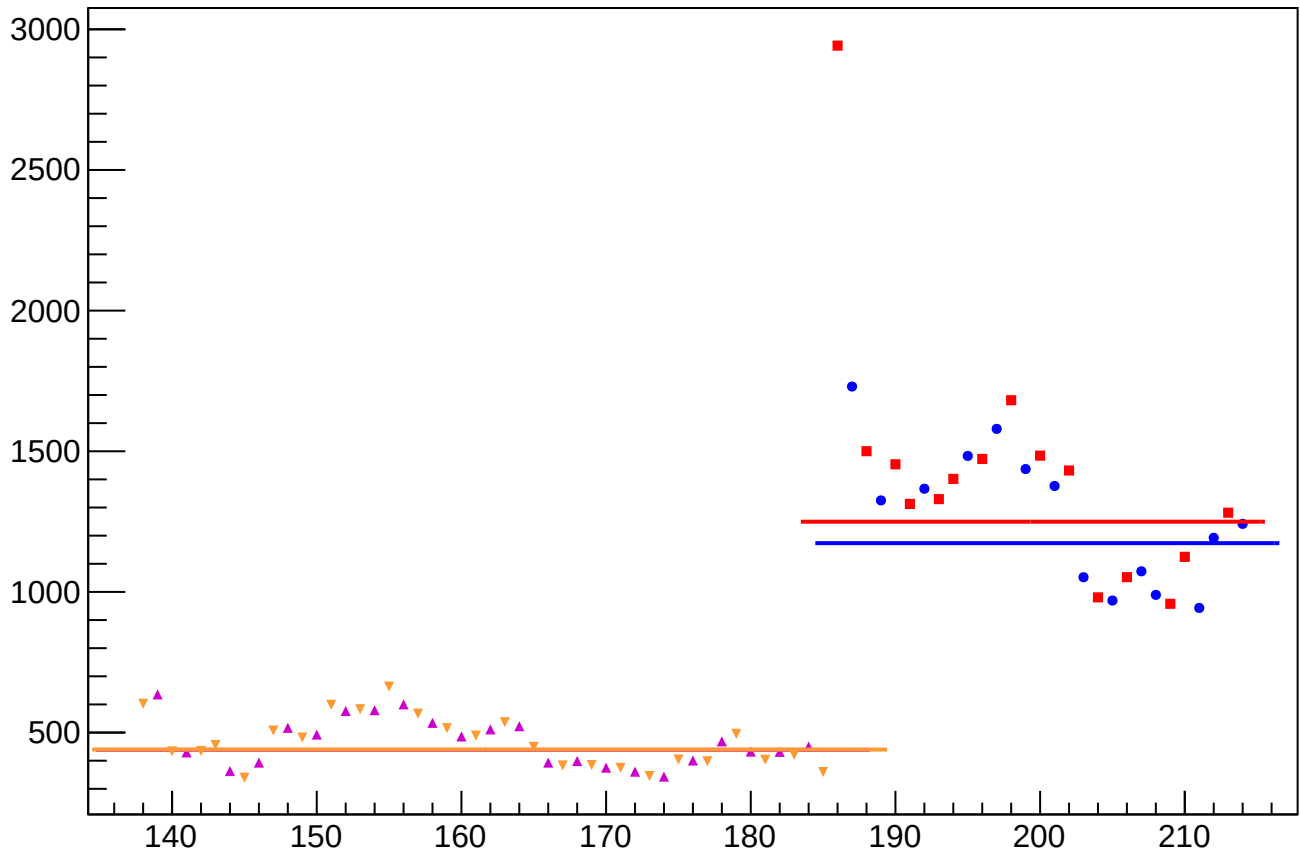
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -612.369 ± 100.445 χ^2/NDF : 78.8/38

All: -384.286 ± 71.952 χ^2/NDF : 137.1/76

- sign -143.892 ± 103.119 χ^2/NDF : 47.7/37

asym_sam_15_48_dd_rms vs Slug



Right In: 1173.388 $\pm$ 0.267 χ^2 /NDF: 582137.4/13

Left Out: 439.527 $\pm$ 0.074 χ^2 /NDF: 1163352.8/24

Right Out: 1249.588 $\pm$ 0.284 χ^2 /NDF: 860086.6/14

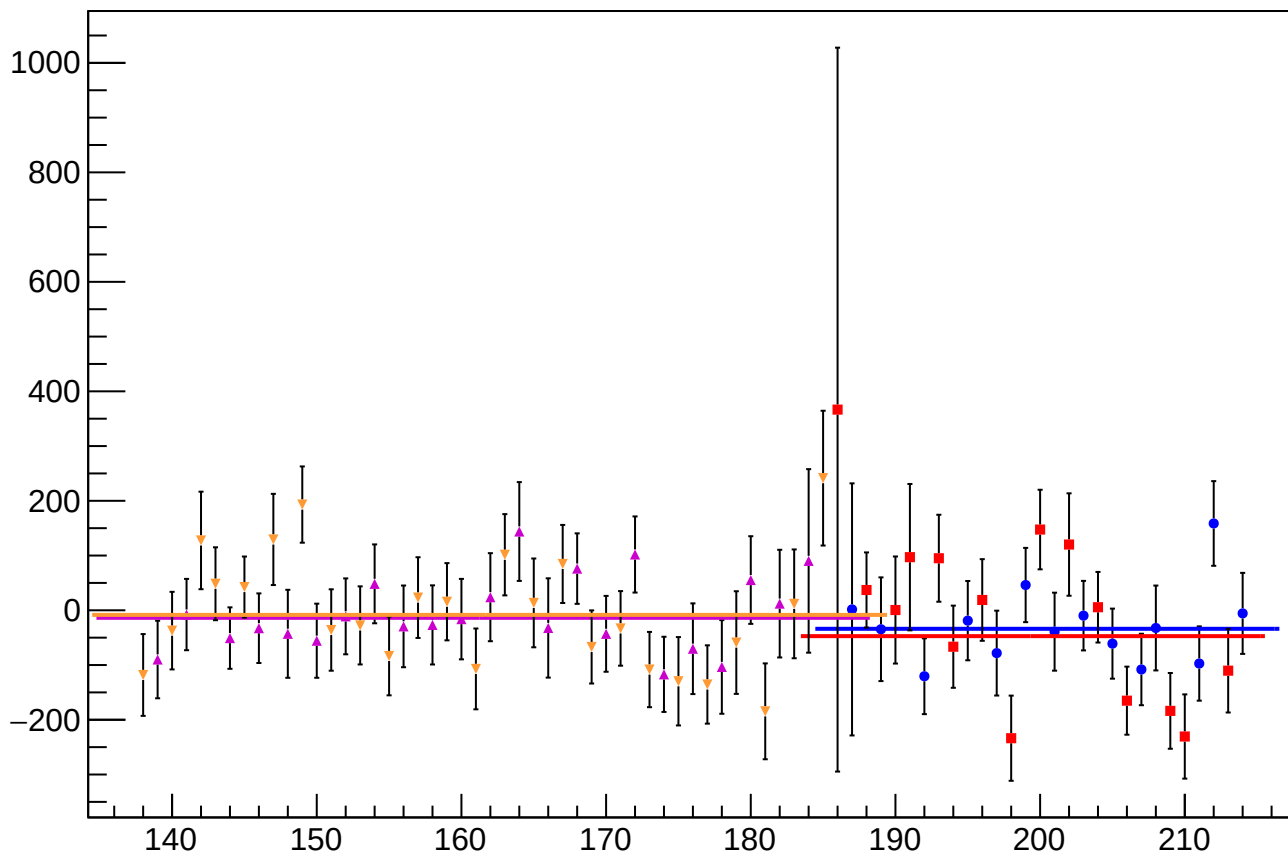
Left In: 438.548 $\pm$ 0.075 χ^2 /NDF: 1013071.4/22

+ sign 491.564 $\pm$ 0.071 χ^2 /NDF: 8778885.6/38

All: 491.861 $\pm$ 0.051 χ^2 /NDF: 18291516.3/76

- sign 492.174 $\pm$ 0.073 χ^2 /NDF: 9512594.8/37

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -33.823 ± 19.724 χ^2/NDF : 12.2/13

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: -47.234 ± 20.380 χ^2/NDF : 38.0/14

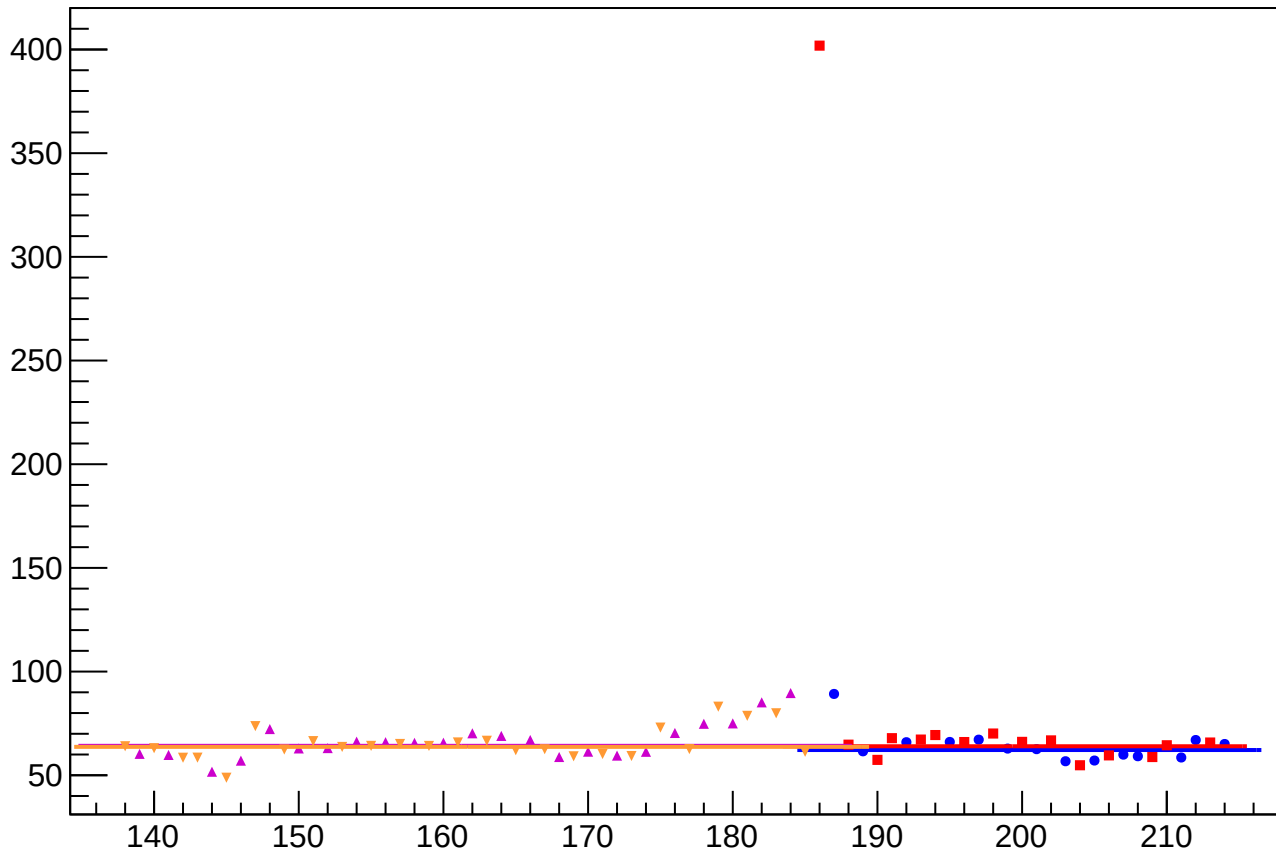
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -17.675 ± 11.906 χ^2/NDF : 54.8/38

All: -21.684 ± 8.564 χ^2/NDF : 111.0/76

- sign -25.981 ± 12.326 χ^2/NDF : 56.0/37

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.164 $\pm$ 0.014 χ^2 /NDF: 96904.4/13

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 63.986 $\pm$ 0.014 χ^2 /NDF: 627296.7/14

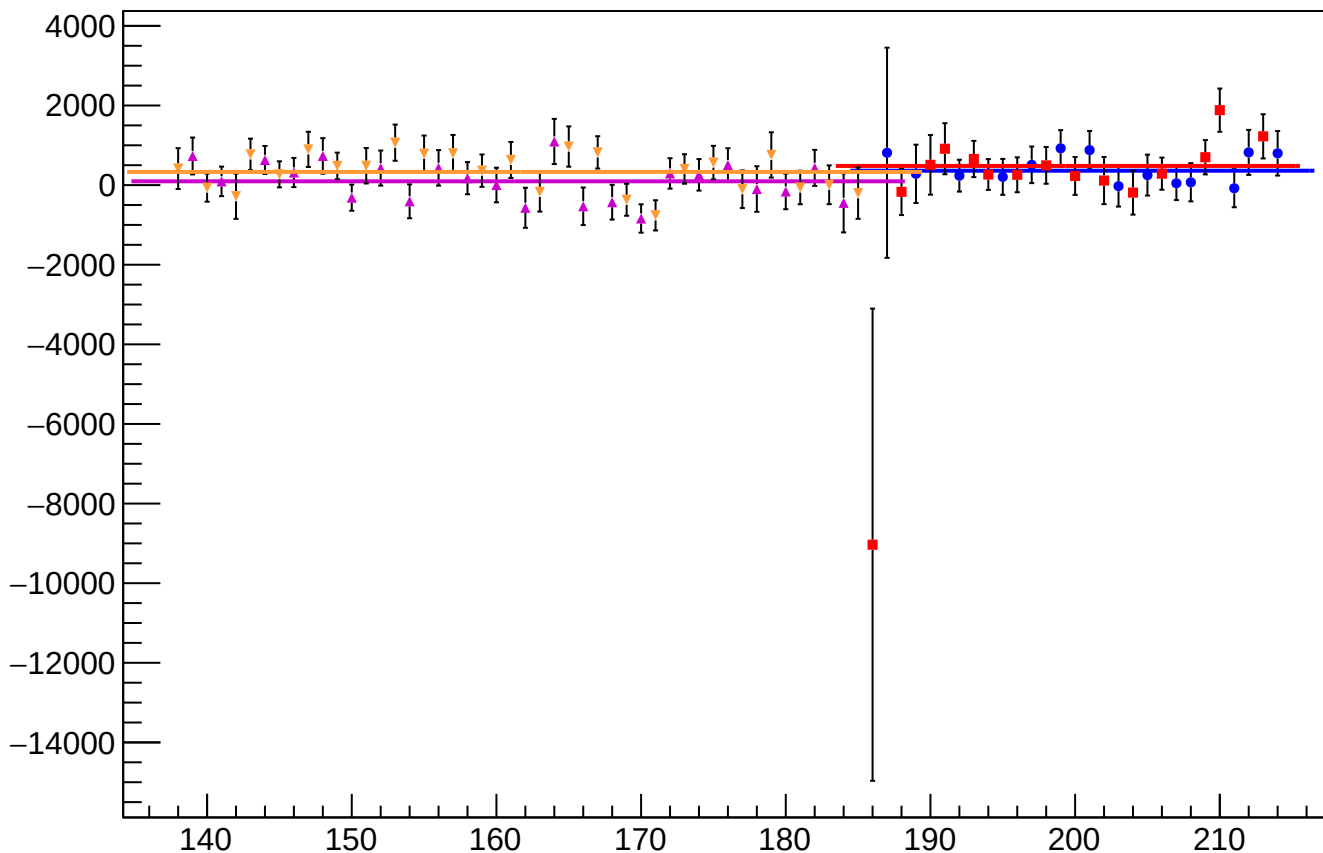
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.138 $\pm$ 0.008 χ^2 /NDF: 553015.9/38

All: 63.609 $\pm$ 0.006 χ^2 /NDF: 1616612.3/76

- sign 64.115 $\pm$ 0.009 χ^2 /NDF: 1057092.9/37

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 361.809 ± 134.488 χ^2/NDF : 6.7/13

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: 481.839 ± 132.140 χ^2/NDF : 16.0/14

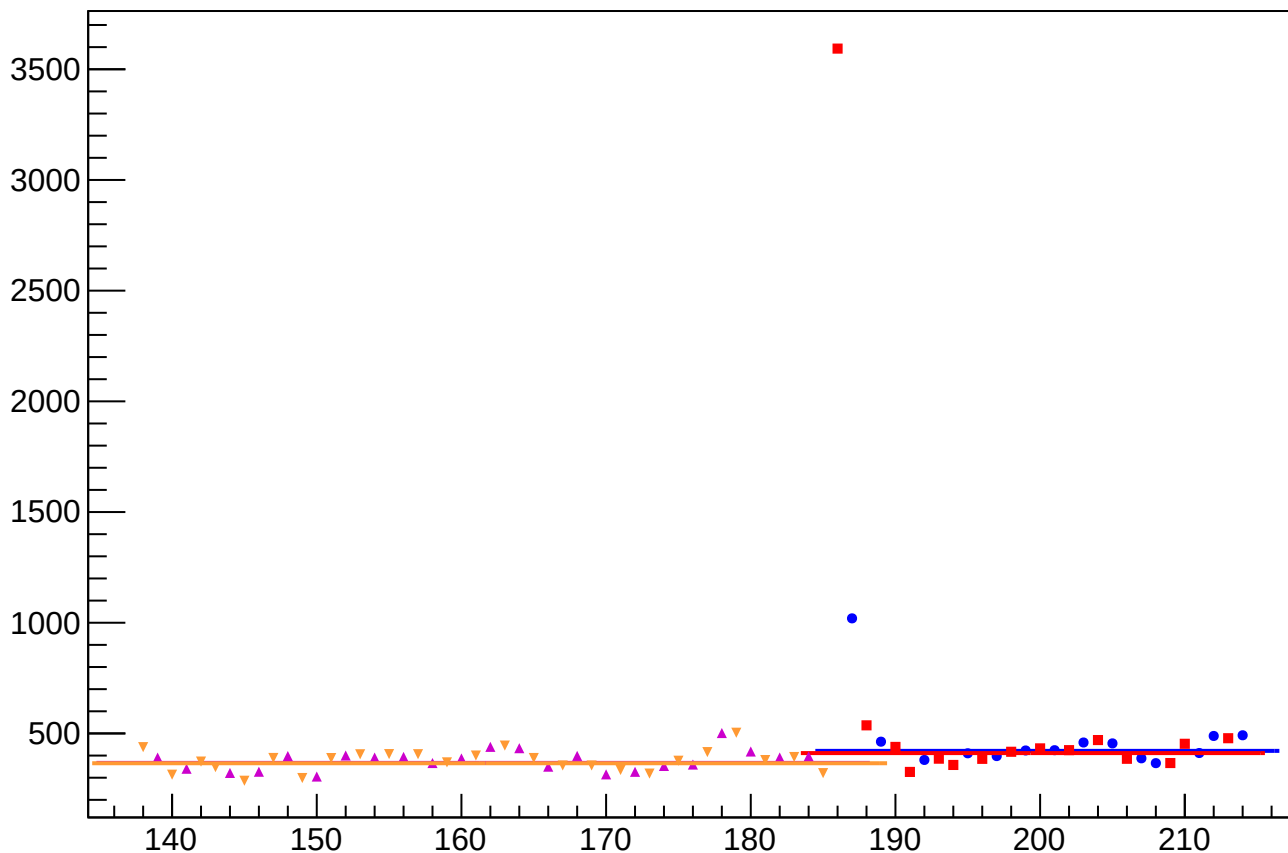
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 340.476 ± 72.495 χ^2/NDF : 36.6/38

All: 279.053 ± 51.655 χ^2/NDF : 88.7/76

- sign 215.706 ± 73.621 χ^2/NDF : 50.6/37

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 421.245+/-0.095 χ^2/NDF : 256632.6/13

Left Out: 365.355+/-0.061 χ^2/NDF : 618453.7/24

Right Out: 411.204+/-0.093 χ^2/NDF : 856611.3/14

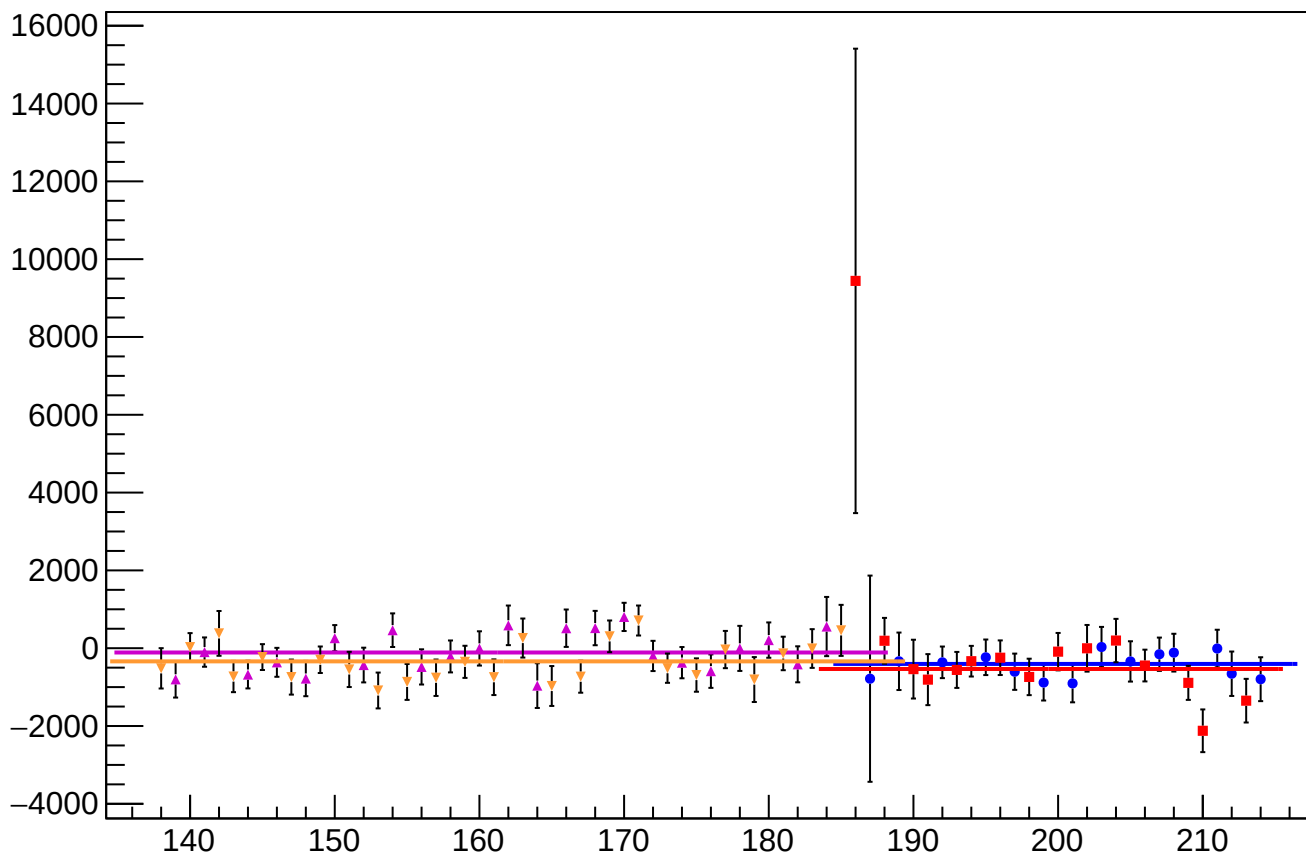
Left In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

+ sign 381.595+/-0.051 χ^2/NDF : 1120123.0/38

All: 381.139+/-0.037 χ^2/NDF : 2609840.1/76

- sign 380.669+/-0.052 χ^2/NDF : 1489556.5/37

asym_sam_37_48_dd_mean vs Slug



Right In: -404.322 ± 136.050 χ^2/NDF : 5.3/13

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -534.082 ± 133.887 χ^2/NDF : 19.9/14

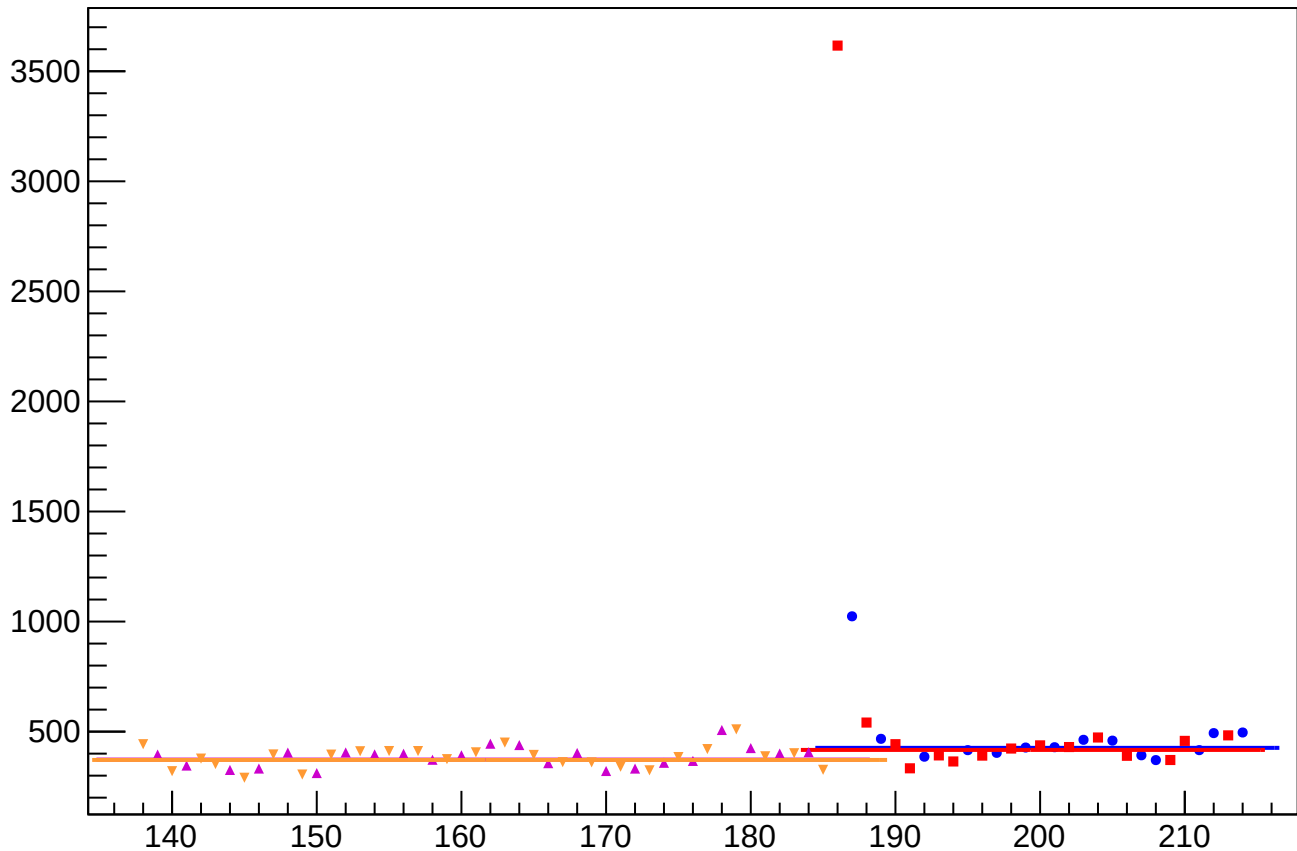
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -357.764 ± 73.564 χ^2/NDF : 33.6/38

All: -300.993 ± 52.429 χ^2/NDF : 90.9/76

- sign -242.391 ± 74.741 χ^2/NDF : 56.0/37

asym_sam_37_48_dd_rms vs Slug



Right In: 426.265+/-0.096 χ^2/NDF : 249138.4/13

Left Out: 371.356+/-0.062 χ^2/NDF : 604070.6/24

Right Out: 416.844+/-0.095 χ^2/NDF : 842051.6/14

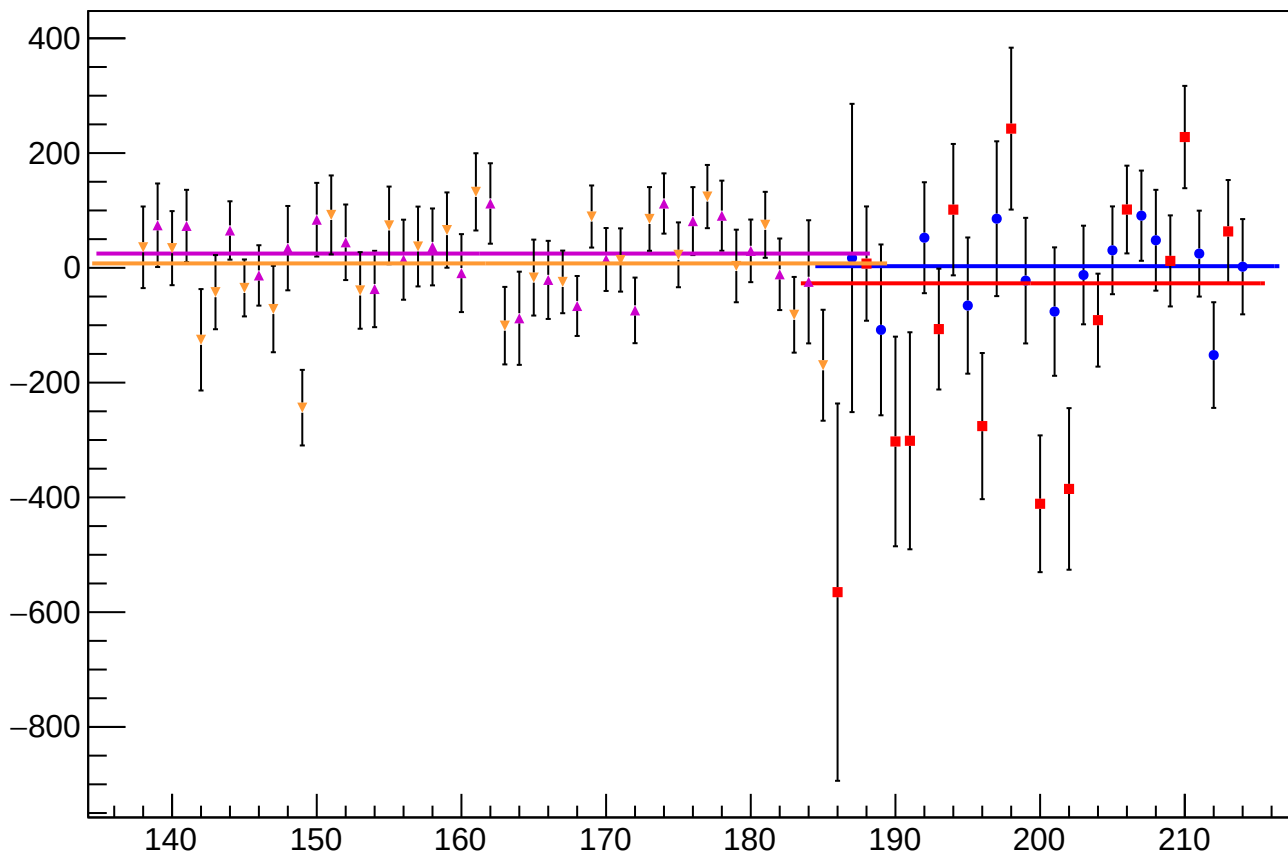
Left In: 372.938+/-0.064 χ^2/NDF : 467340.9/22

+ sign 387.410+/-0.052 χ^2/NDF : 1083740.9/38

All: 387.021+/-0.037 χ^2/NDF : 2541302.7/76

- sign 386.620+/-0.053 χ^2/NDF : 1457448.4/37

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 2.896 ± 25.866 χ^2/NDF : 6.7/13

Left Out: 7.723 ± 12.656 χ^2/NDF : 45.4/24

Right Out: -26.972 ± 27.734 χ^2/NDF : 46.2/14

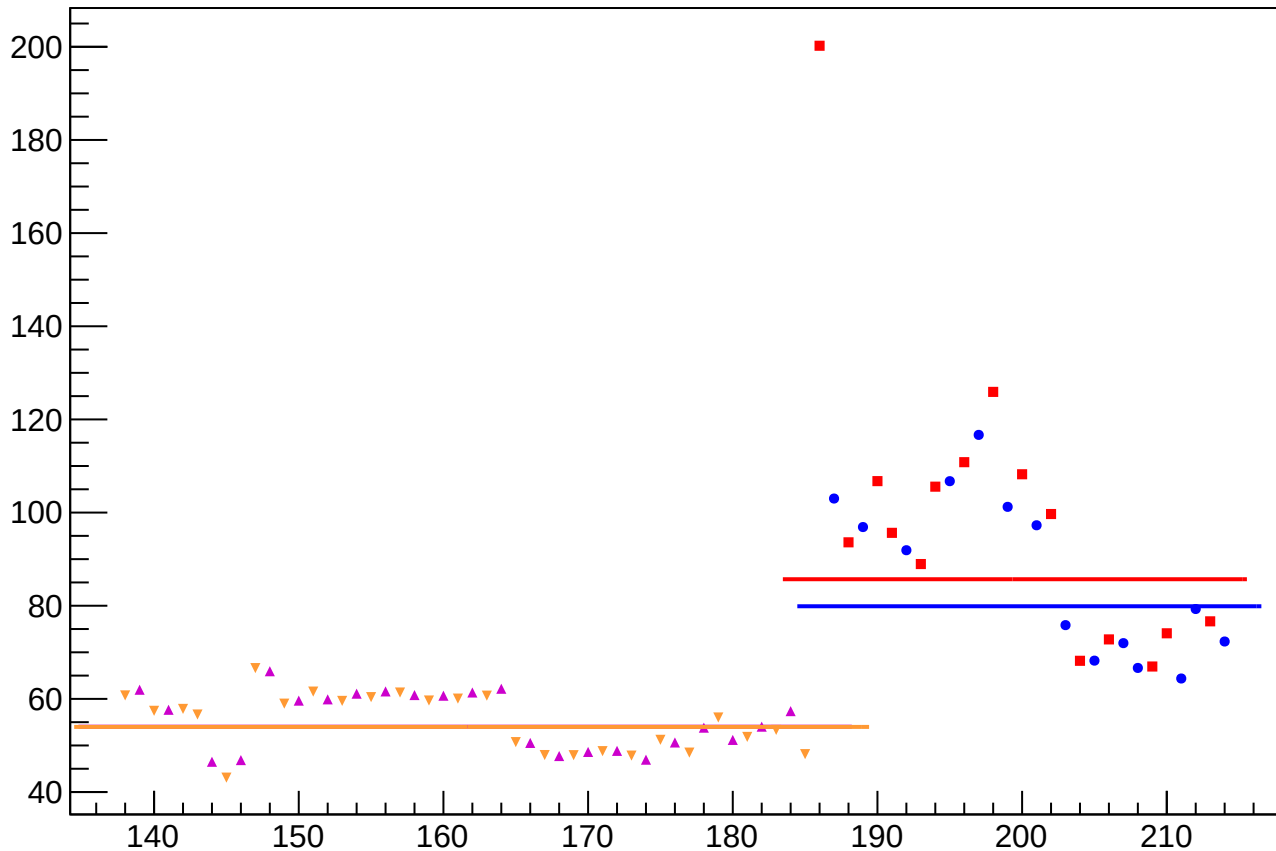
Left In: 24.887 ± 13.029 χ^2/NDF : 19.7/22

+ sign 6.791 ± 11.368 χ^2/NDF : 52.1/38

All: 10.992 ± 8.184 χ^2/NDF : 121.2/76

- sign 15.512 ± 11.792 χ^2/NDF : 68.8/37

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 79.887 $\pm$ 0.018 χ^2 /NDF: 666814.0/13

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 85.690 $\pm$ 0.020 χ^2 /NDF: 997945.8/14

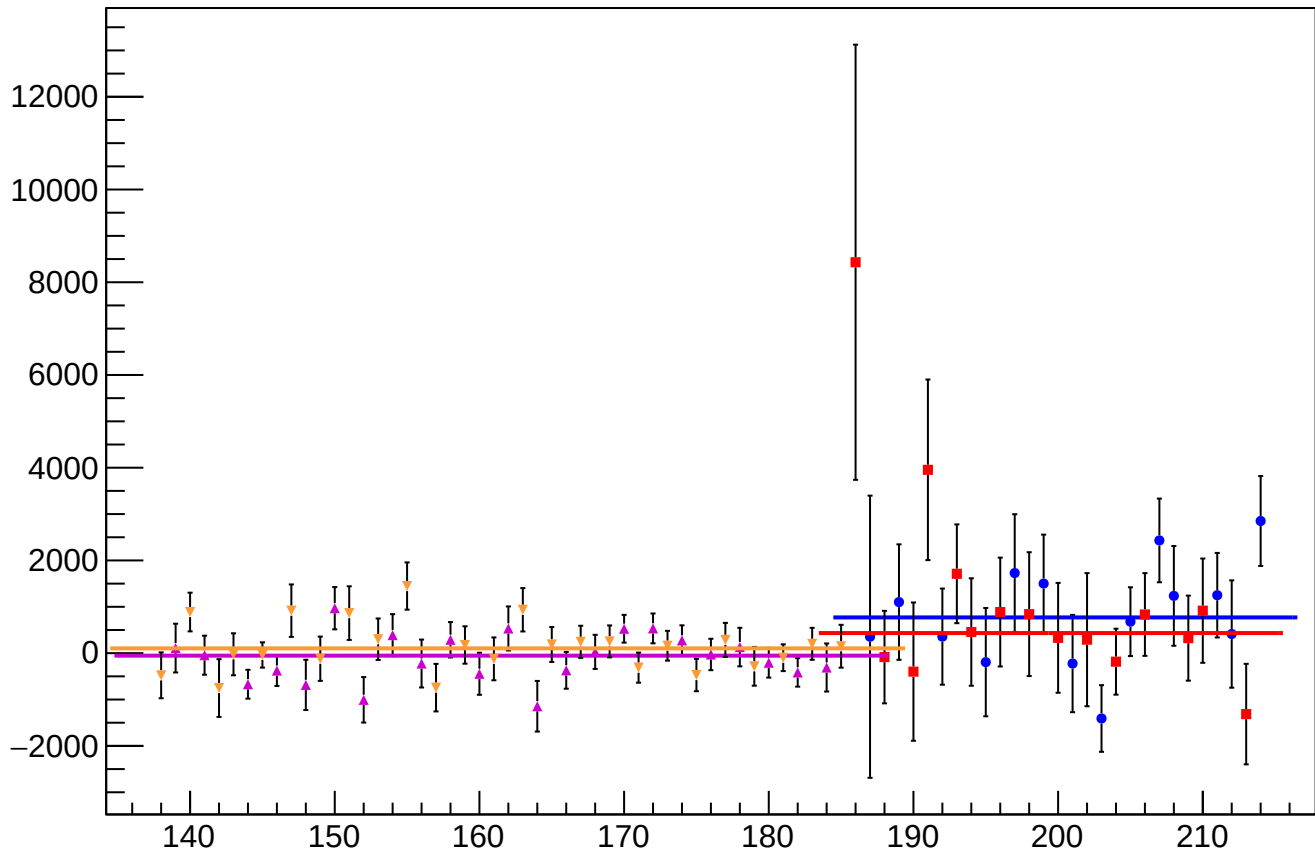
Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

+ sign 58.987 $\pm$ 0.008 χ^2 /NDF: 2744089.0/38

All: 59.355 $\pm$ 0.006 χ^2 /NDF: 6325653.1/76

- sign 59.752 $\pm$ 0.008 χ^2 /NDF: 3577201.0/37

asym_sam_15_26_dd_correction_mean vs Slug



Right In: 771.100 ± 270.156 χ^2/NDF : 20.6/13

Left Out: 103.768 ± 79.344 χ^2/NDF : 31.0/24

Right Out: 433.832 ± 289.449 χ^2/NDF : 12.2/14

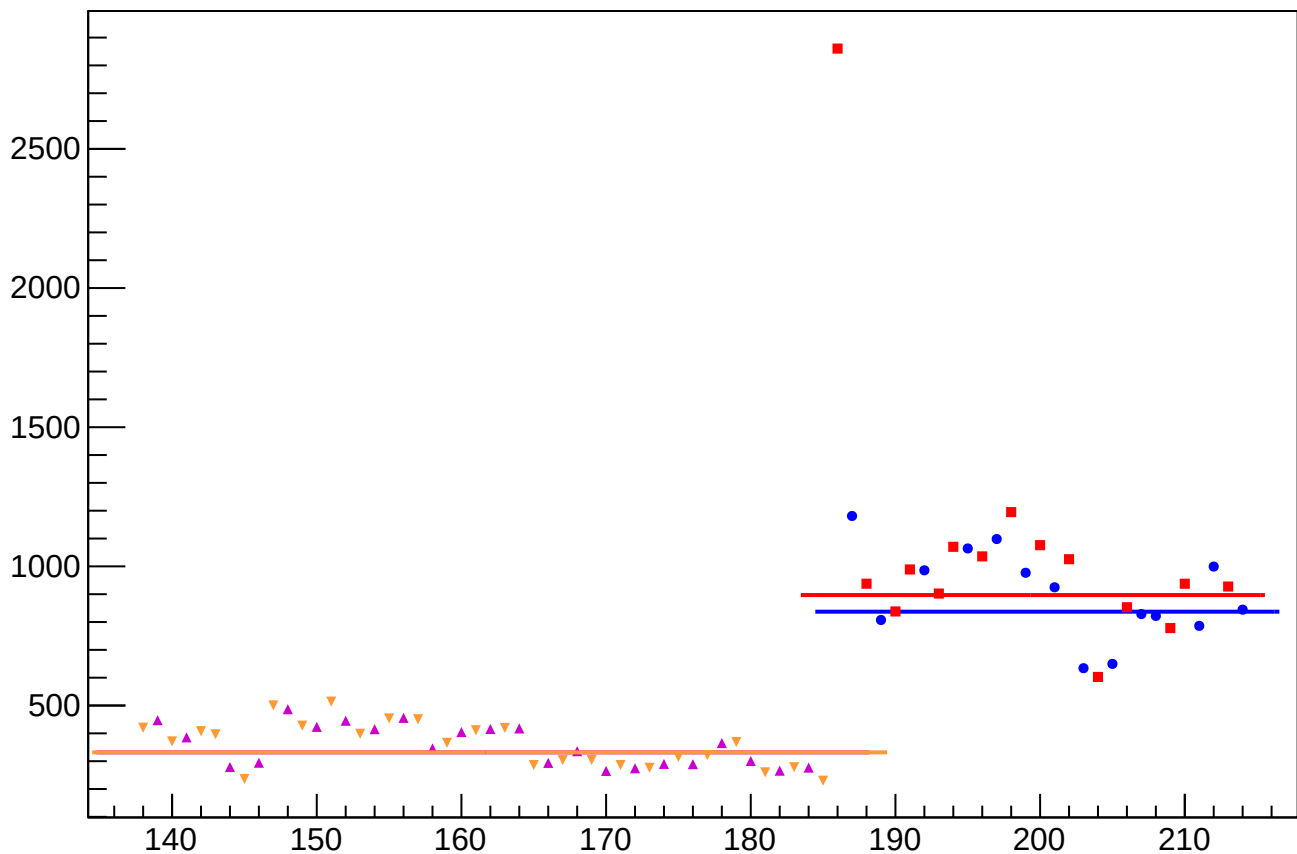
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 156.759 ± 76.129 χ^2/NDF : 57.2/38

All: 71.736 ± 54.543 χ^2/NDF : 108.7/76

- sign -17.938 ± 78.183 χ^2/NDF : 48.9/37

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 837.166 $\pm$ 0.191 χ^2/NDF : 610861.4/13

Left Out: 331.770 $\pm$ 0.056 χ^2/NDF : 1711721.9/24

Right Out: 896.929 $\pm$ 0.205 χ^2/NDF : 980135.9/14

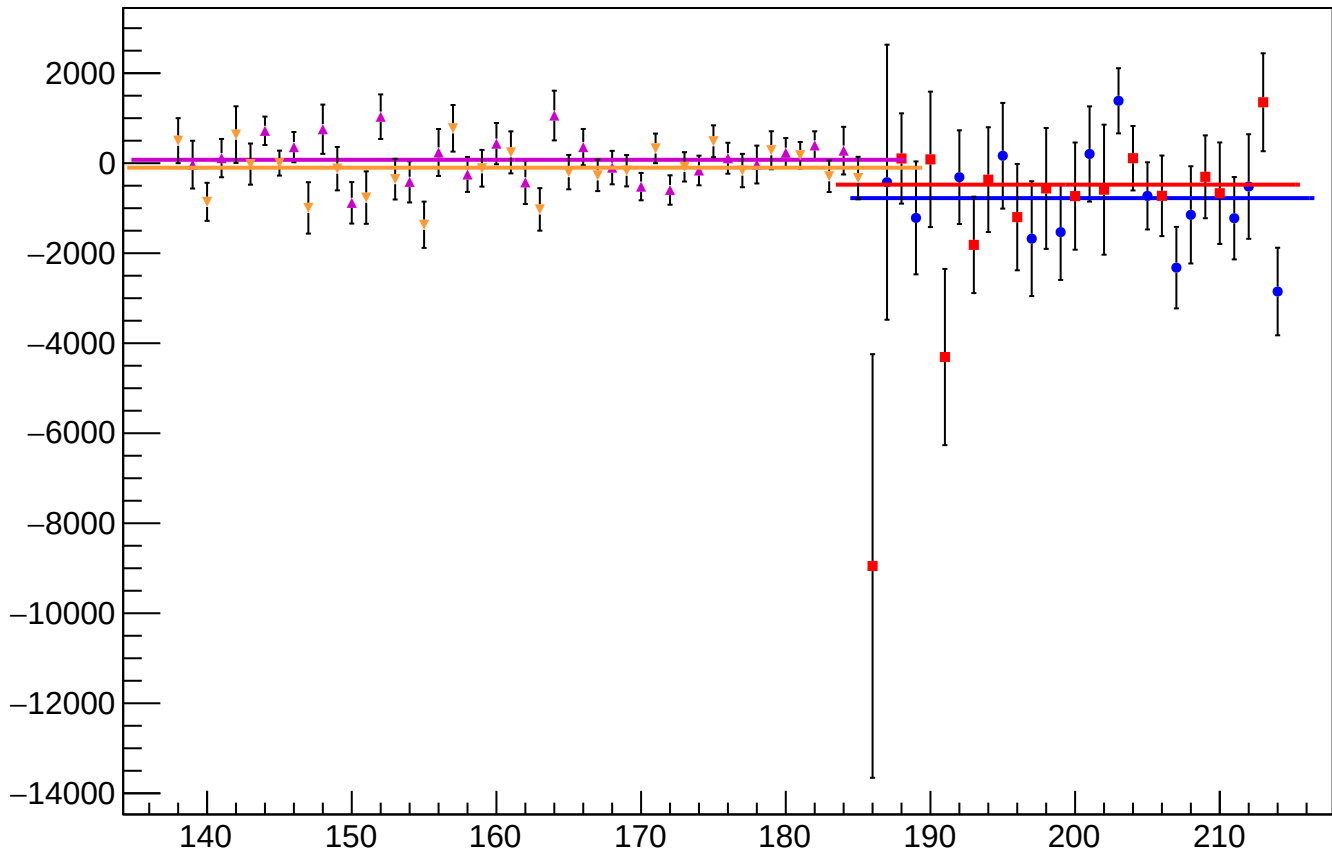
Left In: 331.666 $\pm$ 0.057 χ^2/NDF : 1303192.2/22

+ sign 371.903 $\pm$ 0.054 χ^2/NDF : 8766197.4/38

All: 372.392 $\pm$ 0.039 χ^2/NDF : 18120790.3/76

- sign 372.907 $\pm$ 0.055 χ^2/NDF : 9354423.6/37

asym_sam_15_26_dd_mean vs Slug



Right In: -776.082 ± 271.605 χ^2/NDF : 19.6/13

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -476.621 ± 290.964 χ^2/NDF : 13.2/14

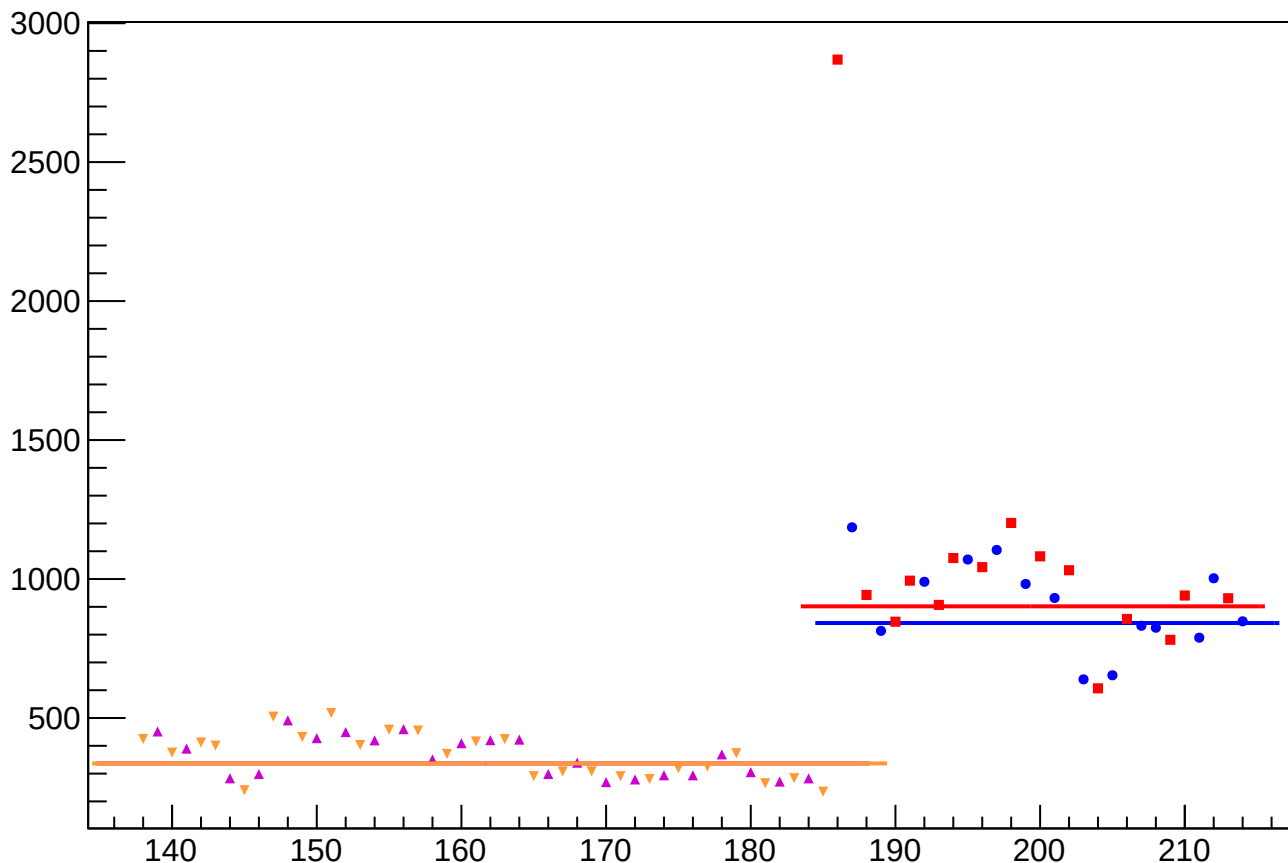
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -154.307 ± 77.118 χ^2/NDF : 56.0/38

All: -62.354 ± 55.255 χ^2/NDF : 107.5/76

- sign 34.656 ± 79.210 χ^2/NDF : 48.6/37

asym_sam_15_26_dd_rms vs Slug



Right In: 841.784 $\pm$ 0.192 χ^2 /NDF: 606616.9/13

Left Out: 336.557 $\pm$ 0.057 χ^2 /NDF: 1665919.4/24

Right Out: 901.738 $\pm$ 0.206 χ^2 /NDF: 977185.8/14

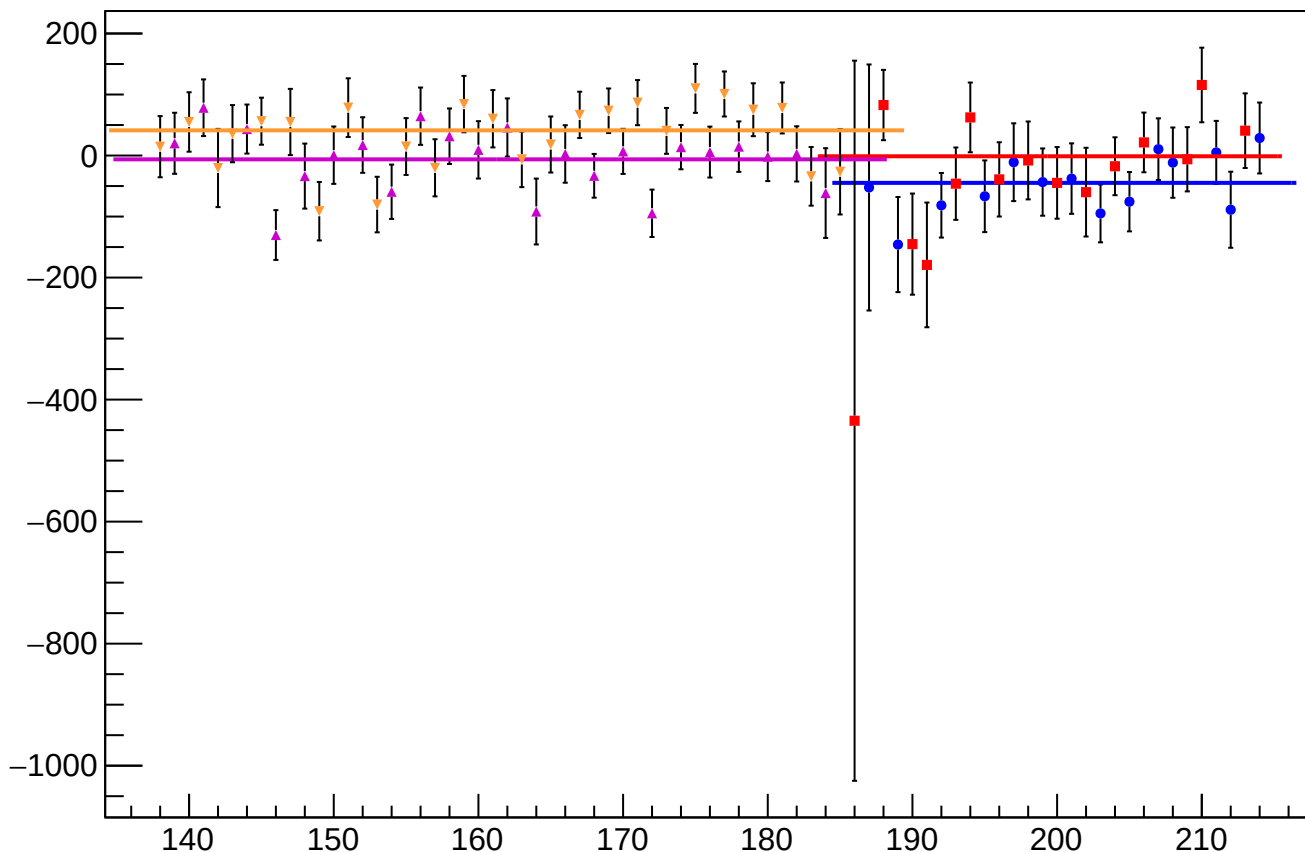
Left In: 336.439 $\pm$ 0.058 χ^2 /NDF: 1269066.3/22

+ sign 377.288 $\pm$ 0.055 χ^2 /NDF: 8634969.9/38

All: 377.797 $\pm$ 0.039 χ^2 /NDF: 17871235.0/70

- sign 378.334 $\pm$ 0.056 χ^2 /NDF: 9236086.2/37

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -44.785 ± 15.431 χ^2/NDF : 8.7/13

Left Out: 41.283 ± 8.889 χ^2/NDF : 34.4/24

Right Out: -1.202 ± 16.038 χ^2/NDF : 16.6/14

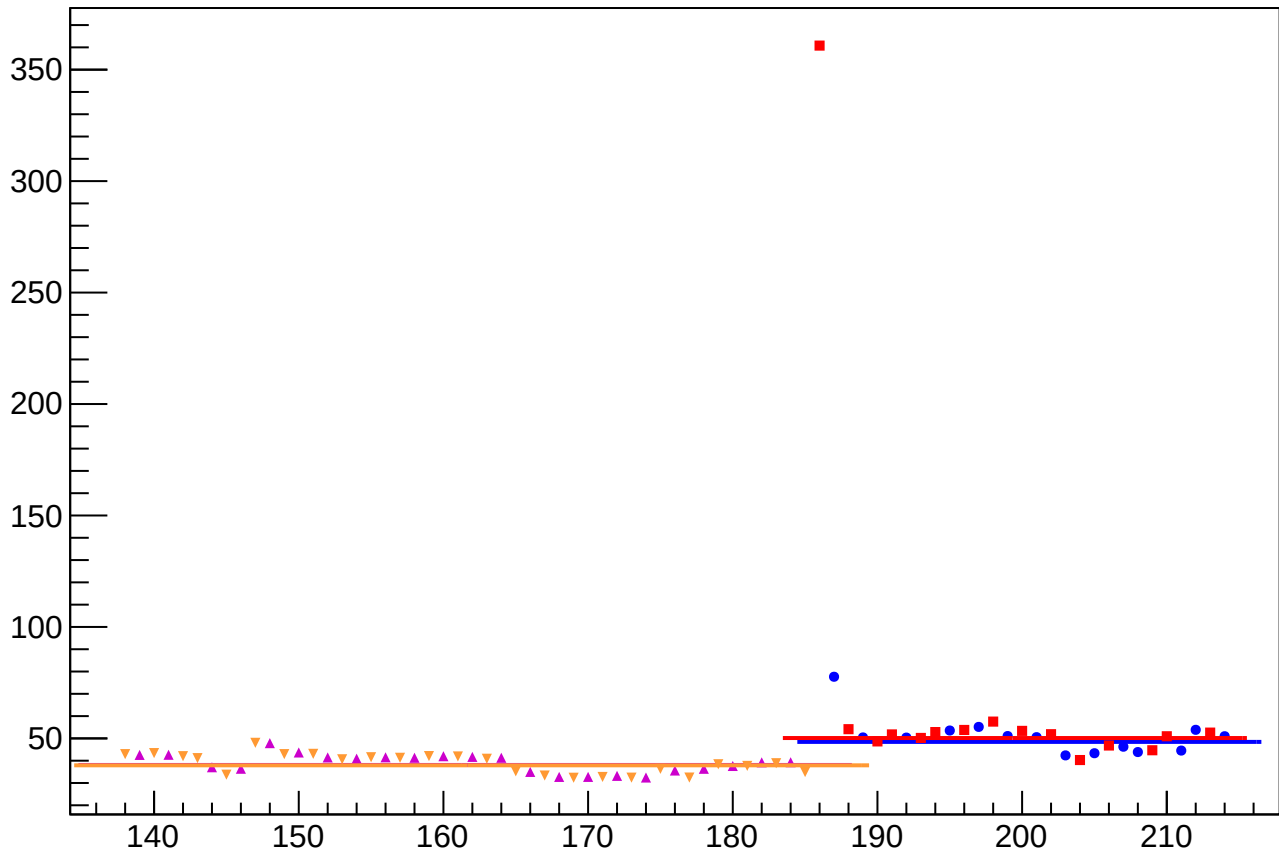
Left In: -6.254 ± 9.175 χ^2/NDF : 30.3/22

+ sign 19.839 ± 7.703 χ^2/NDF : 66.4/38

All: 7.829 ± 5.537 χ^2/NDF : 118.4/76

- sign -5.008 ± 7.964 χ^2/NDF : 47.0/37

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 48.434 $\pm$ 0.011 χ^2 /NDF: 191465.3/13

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 50.166 $\pm$ 0.011 χ^2 /NDF: 731214.1/14

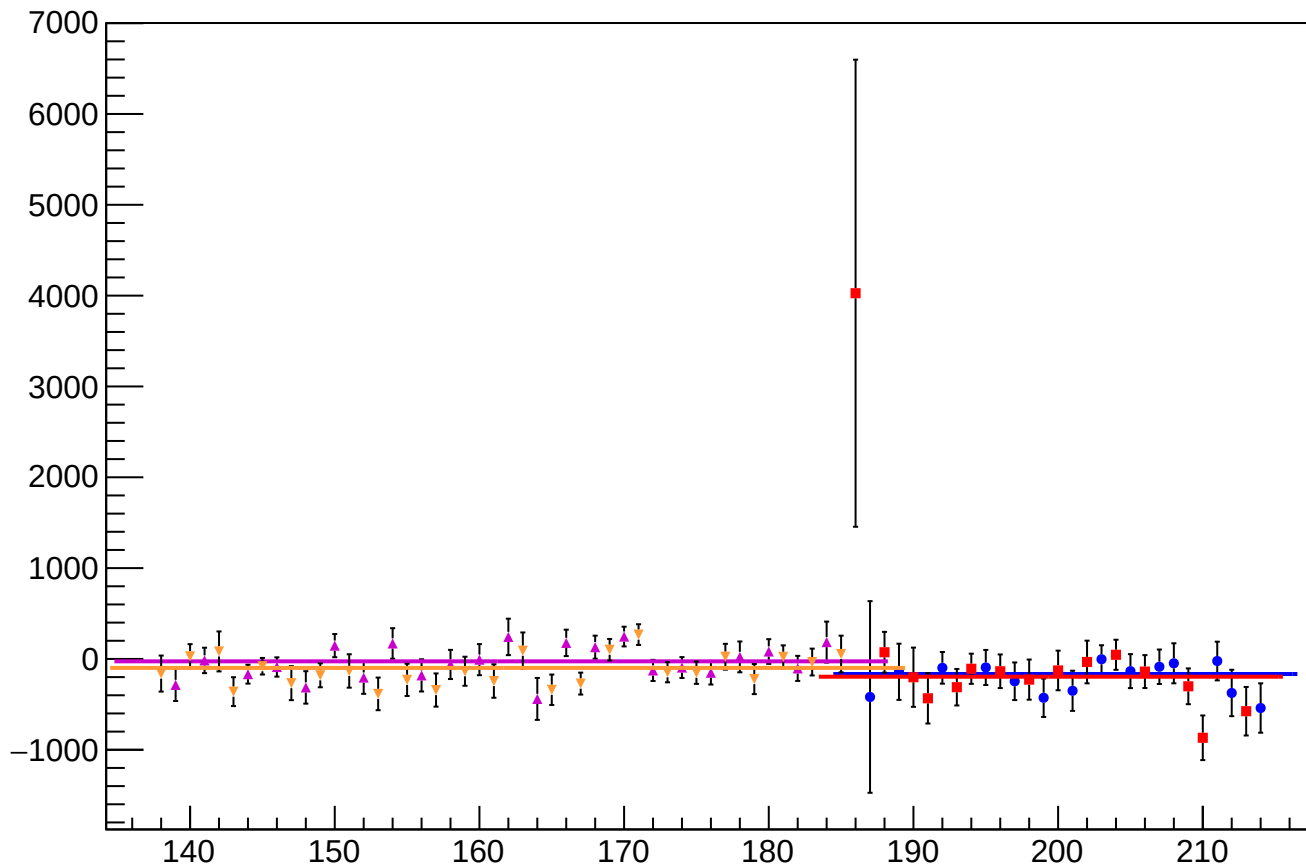
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 40.544 $\pm$ 0.005 χ^2 /NDF: 1375043.7/38

All: 40.796 $\pm$ 0.004 χ^2 /NDF: 3361753.6/76

- sign 41.065 $\pm$ 0.006 χ^2 /NDF: 1982271.8/37

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -165.892 ± 57.063 χ^2/NDF : 7.4/13

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -195.641 ± 56.318 χ^2/NDF : 18.2/14

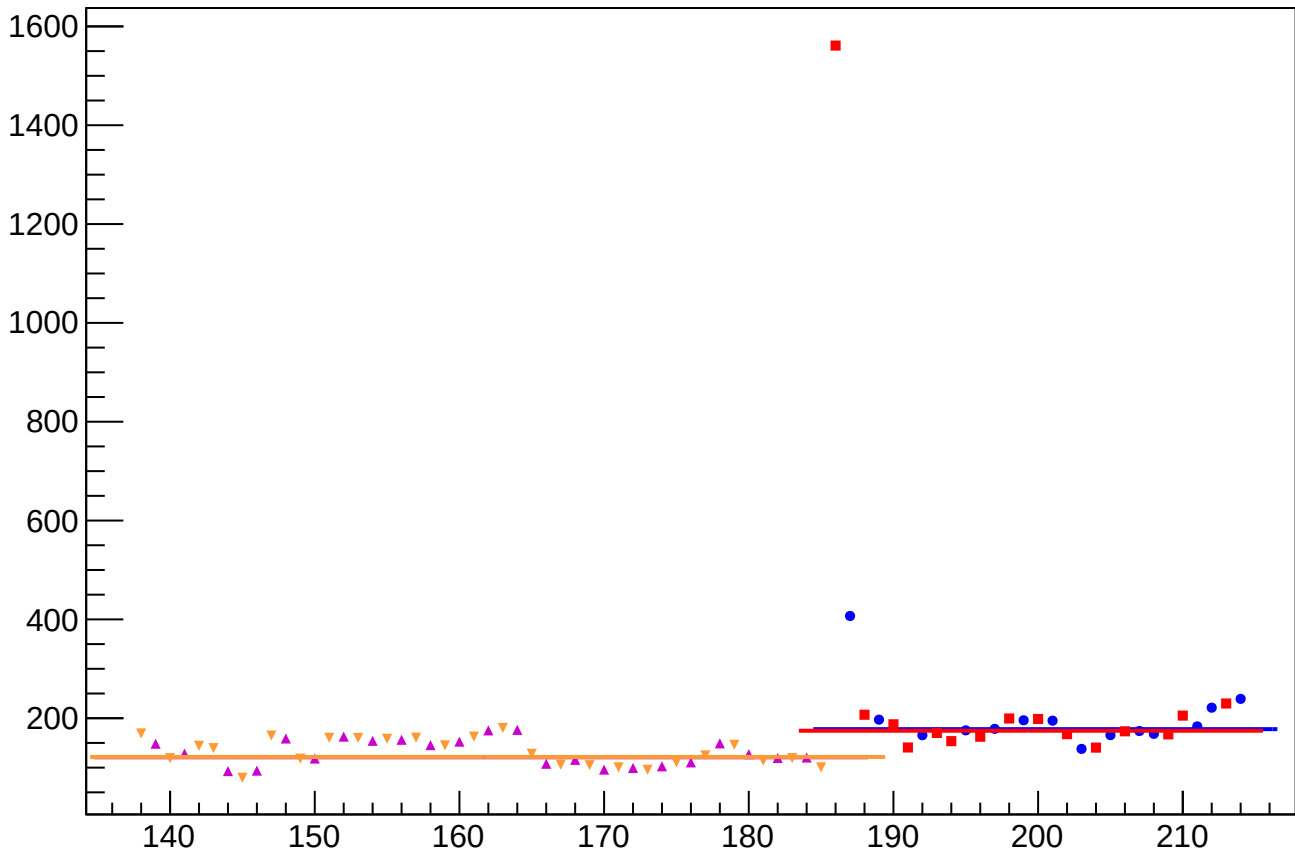
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -112.597 ± 25.920 χ^2/NDF : 41.2/38

All: -88.135 ± 18.445 χ^2/NDF : 98.9/76

- sign -63.040 ± 26.254 χ^2/NDF : 55.9/37

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 177.868 $\pm$ 0.040 χ^2 /NDF: 446581.7/13

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF: 1711423.9/24

Right Out: 174.671 $\pm$ 0.040 χ^2 /NDF: 952237.4/14

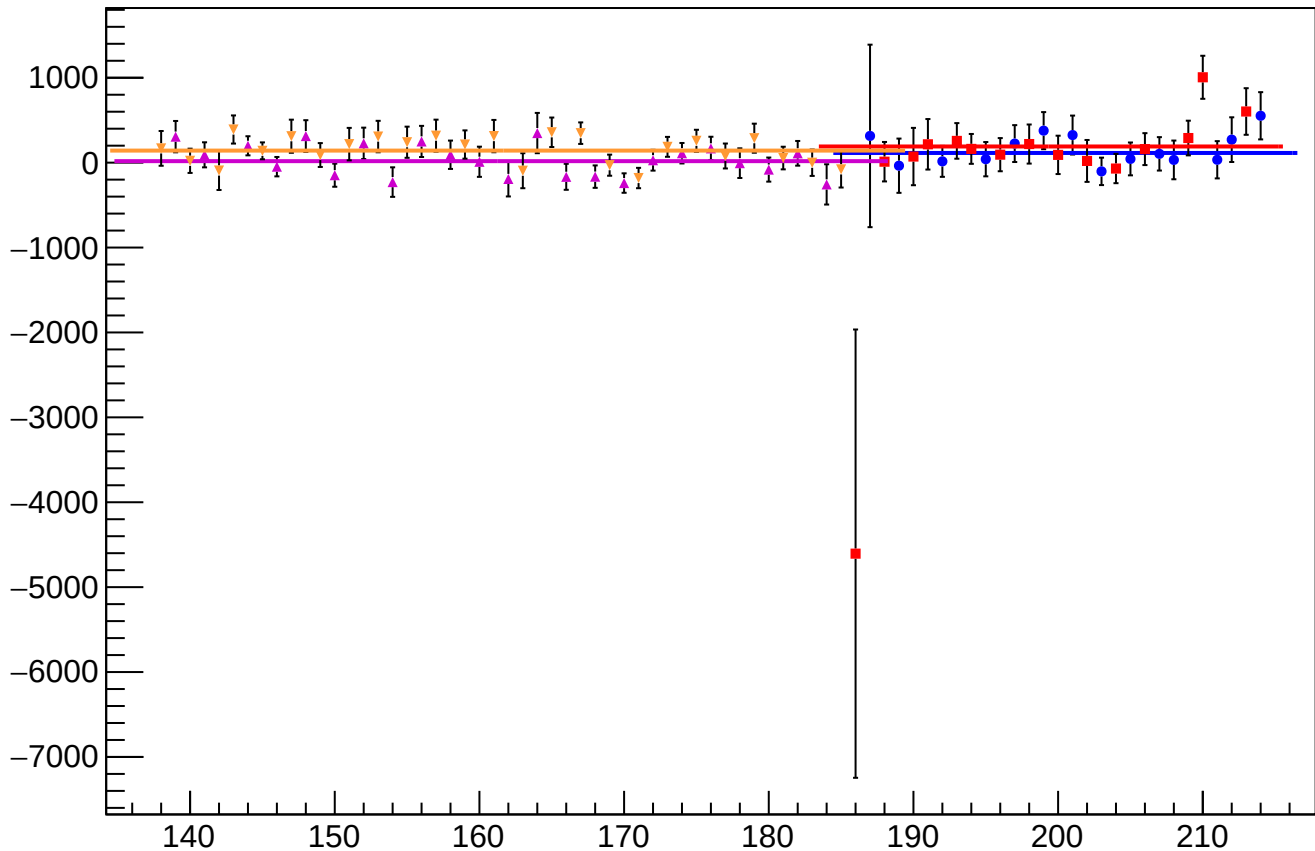
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF: 1382861.4/22

+ sign 133.204 $\pm$ 0.018 χ^2 /NDF: 3701853.6/38

All: 132.909 $\pm$ 0.013 χ^2 /NDF: 7463027.7/76

- sign 132.606 $\pm$ 0.019 χ^2 /NDF: 3760649.6/37

asym_sam_37_26_dd_mean vs Slug



Right In: 114.166 ± 59.274 χ^2/NDF : 8.3/13

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: 190.504 ± 58.761 χ^2/NDF : 20.2/14

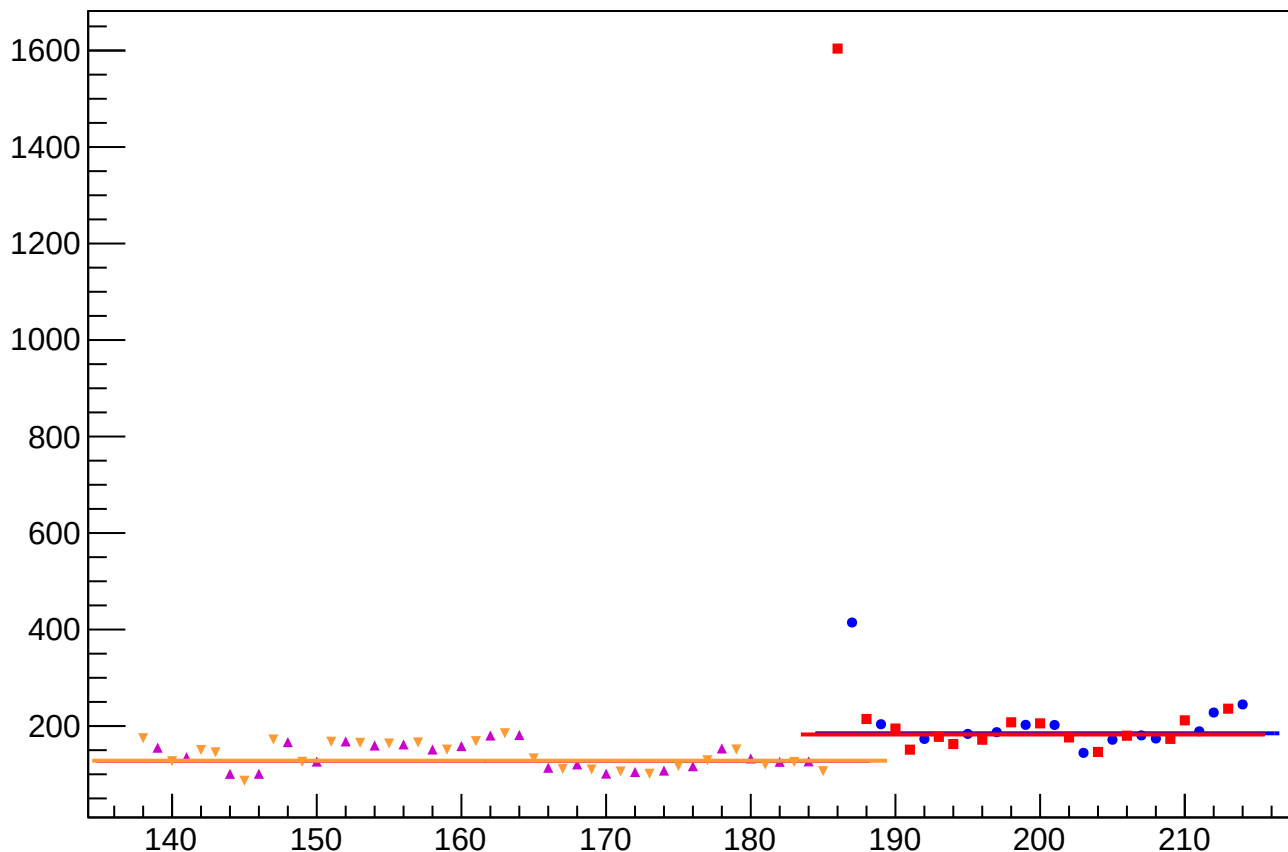
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 136.162 ± 27.172 χ^2/NDF : 35.3/38

All: 96.506 ± 19.350 χ^2/NDF : 96.7/76

- sign 55.703 ± 27.562 χ^2/NDF : 57.1/37

asym_sam_37_26_dd_rms vs Slug



Right In: 184.946 $\pm$ 0.042 χ^2 /NDF: 418477.6/13

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF:1532922.0/24

Right Out: 182.510 $\pm$ 0.042 χ^2 /NDF: 916876.2/14

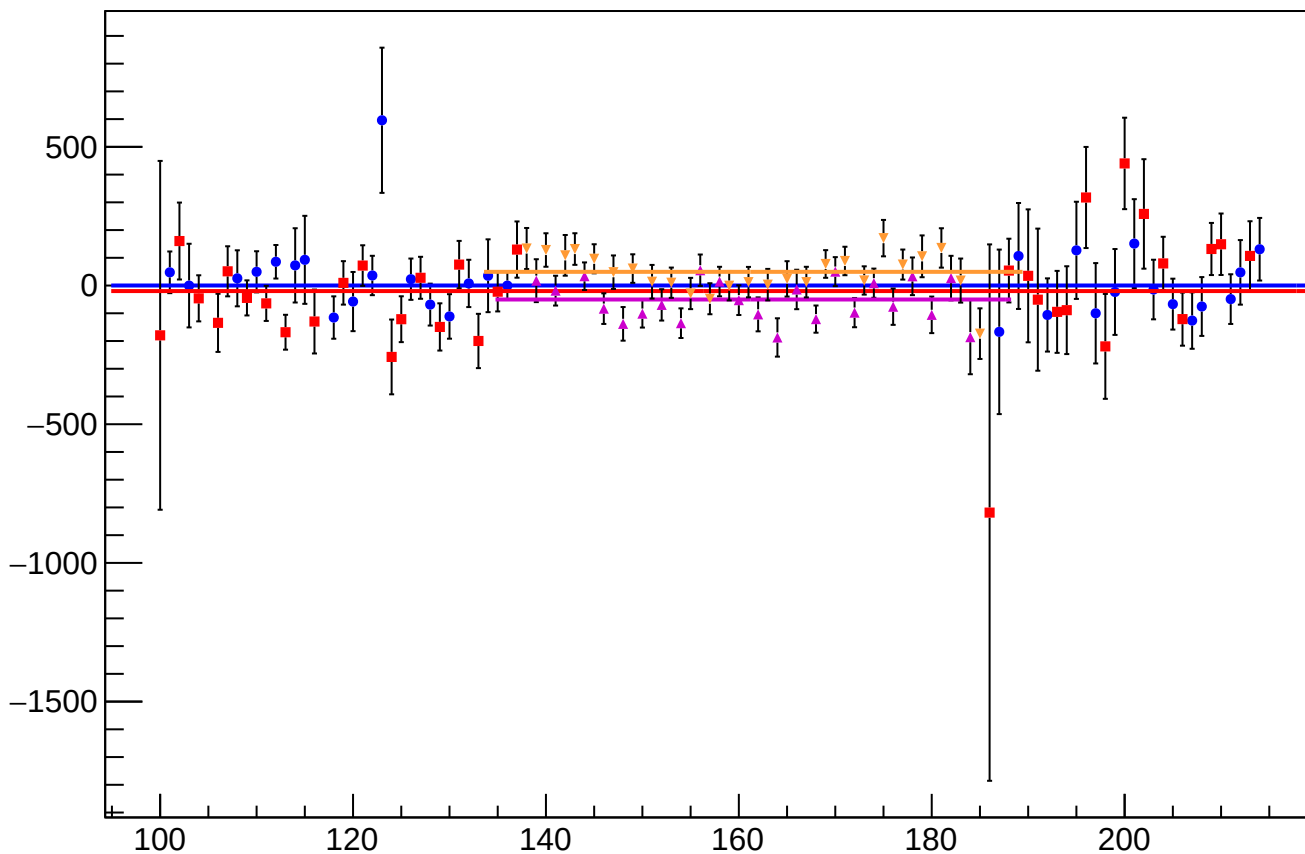
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 140.105 $\pm$ 0.019 χ^2 /NDF: 3400485.4/38

All: 139.875 $\pm$ 0.014 χ^2 /NDF: 6918365.7/76

- sign 139.637 $\pm$ 0.019 χ^2 /NDF: 3517587.7/37

reg_asym_sam_1357_avg_mean vs Slug



Right In: 0.165 ± 17.246 χ^2/NDF : 21.9/30

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -19.947 ± 17.068 χ^2/NDF : 50.7/33

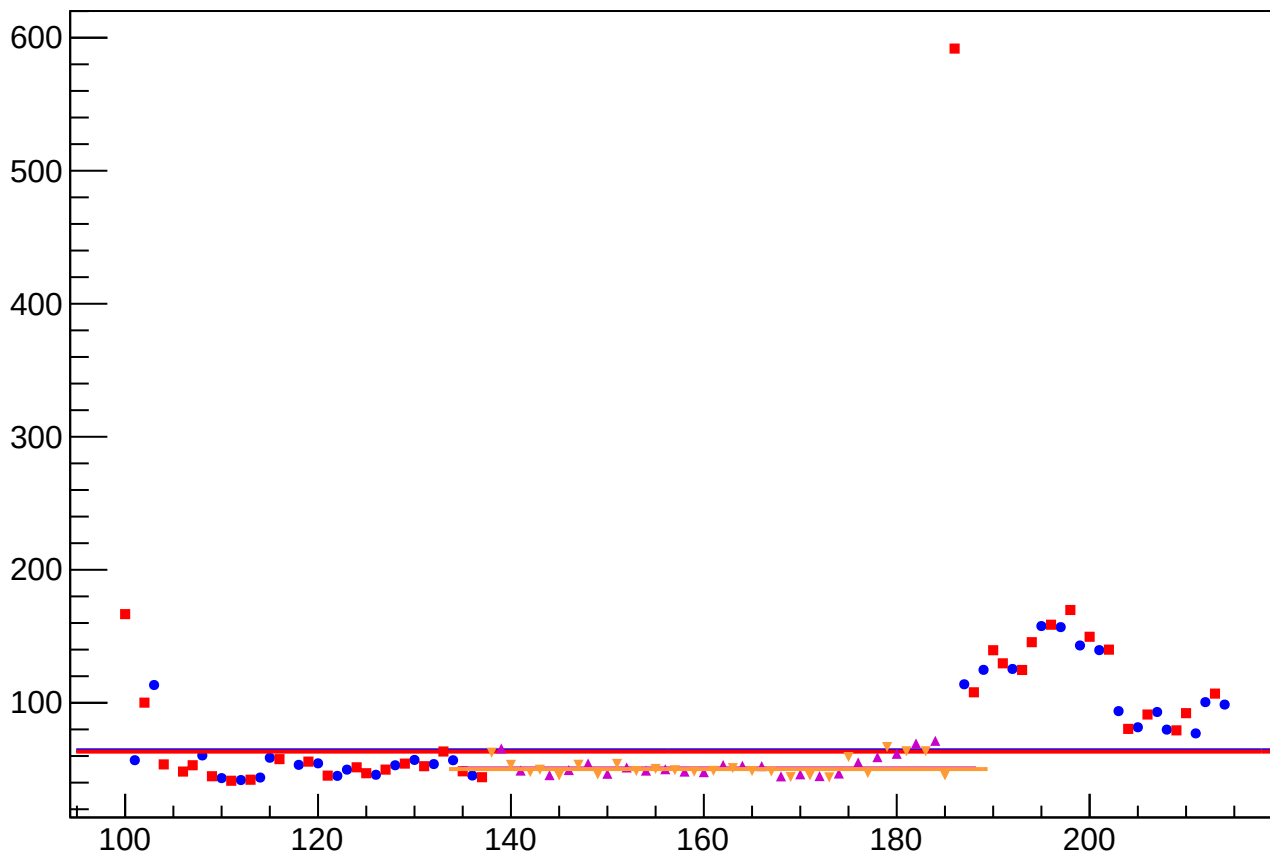
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 33.691 ± 9.742 χ^2/NDF : 55.6/55

All: -2.359 ± 6.962 χ^2/NDF : 168.5/112

- sign -39.997 ± 9.954 χ^2/NDF : 85.0/56

reg_asym_sam_1357_avg_rms vs Slug



Right In: 64.311 $\pm$ 0.012 χ^2 /NDF: 5020994.5/30

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 63.311 $\pm$ 0.012 χ^2 /NDF: 6263098.9/33

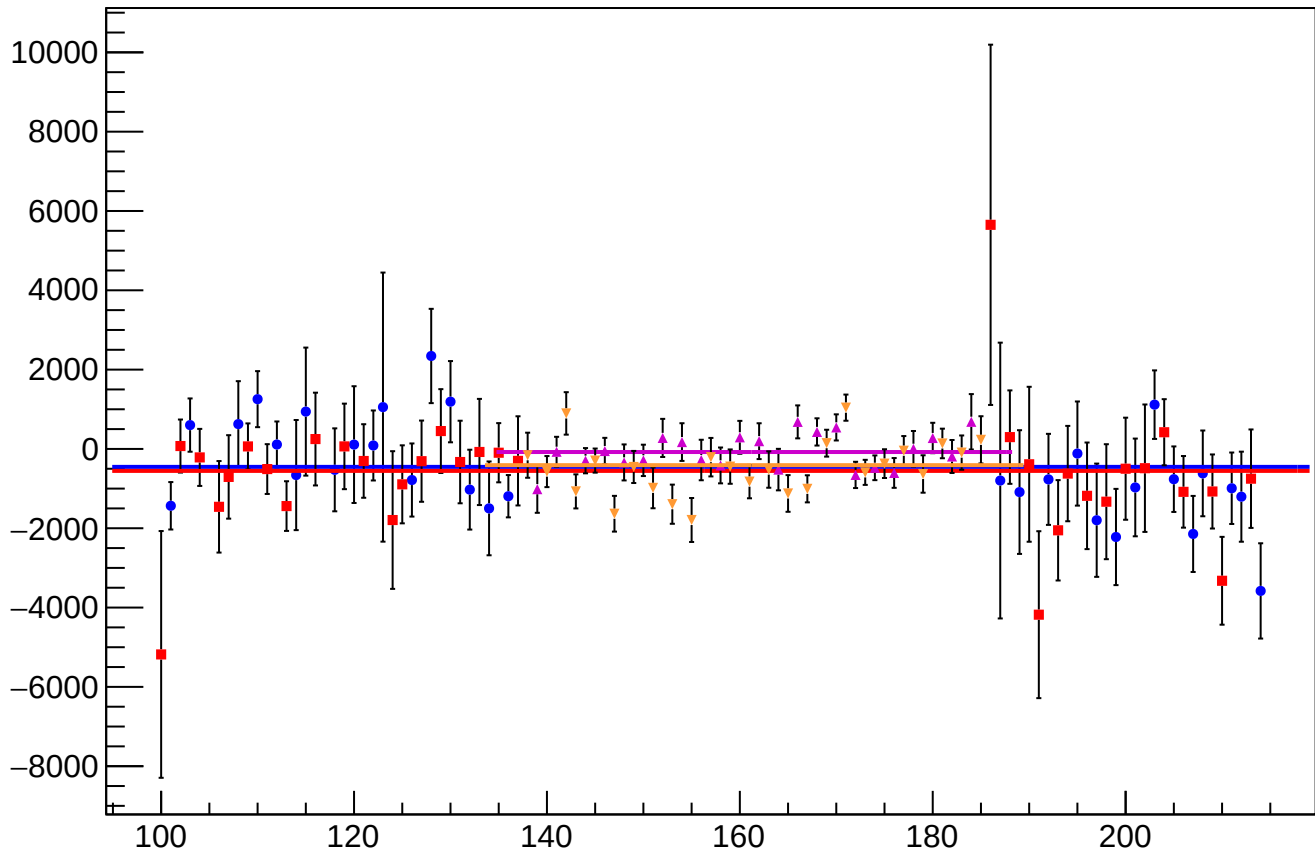
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 54.695 $\pm$ 0.007 χ^2 /NDF: 6401822.1/55

All: 54.834 $\pm$ 0.005 χ^2 /NDF: 13857481.9/112

- sign 54.978 $\pm$ 0.007 χ^2 /NDF: 7454836.8/56

asym_sam_1357_avg_correction_mean vs Slug



Right In: -452.320 ± 172.413 χ^2/NDF : 43.3/30

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -553.804 ± 171.777 χ^2/NDF : 25.7/33

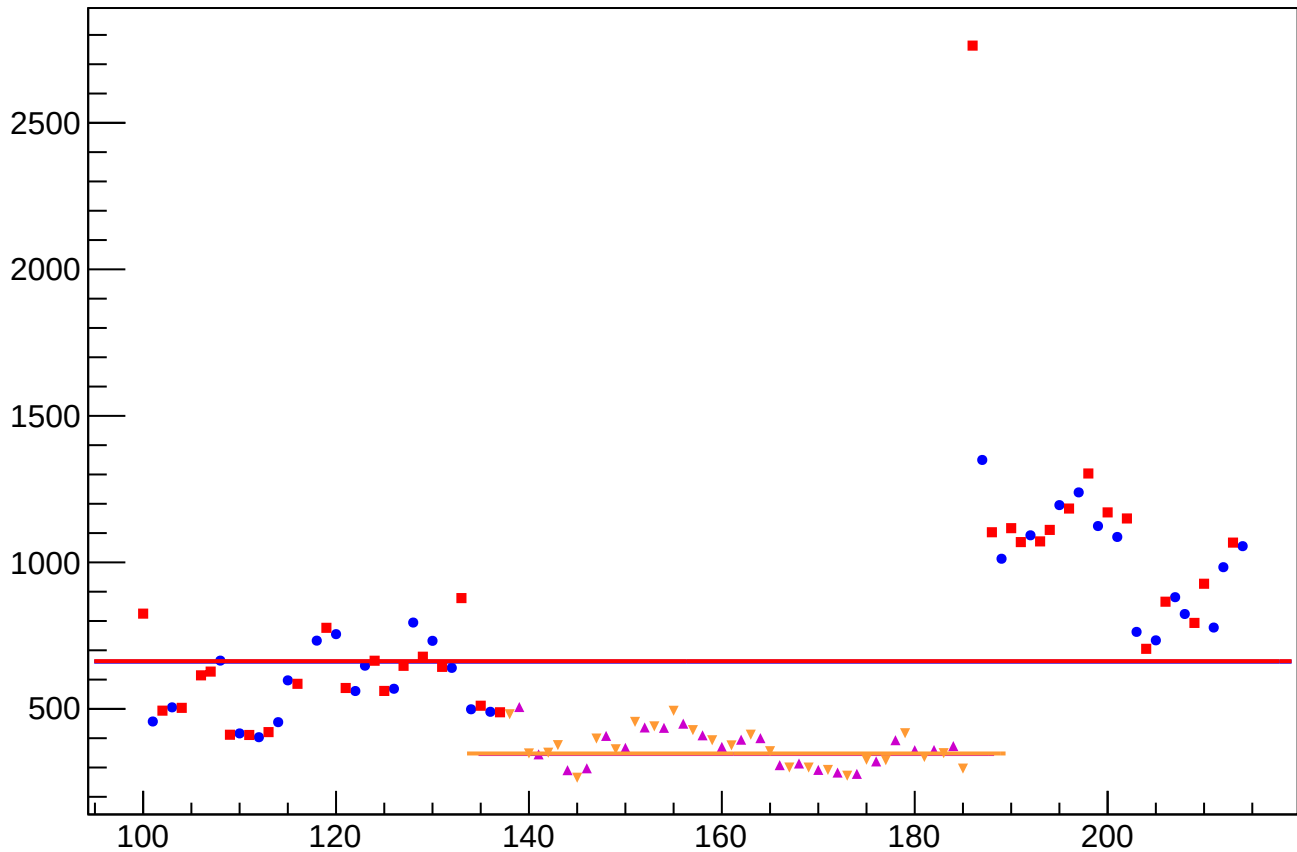
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -417.180 ± 74.308 χ^2/NDF : 105.1/55

All: -295.503 ± 52.965 χ^2/NDF : 167.3/112

- sign -169.845 ± 75.513 χ^2/NDF : 56.8/56

asym_sam_1357_avg_correction_rms vs Slug



Right In: 661.208+/-0.122 χ^2/NDF : 3618479.8/30

Left Out: 347.875+/-0.058 χ^2/NDF :1044096.7/24

Right Out: 662.940+/-0.121 χ^2/NDF : 4521172.6/33

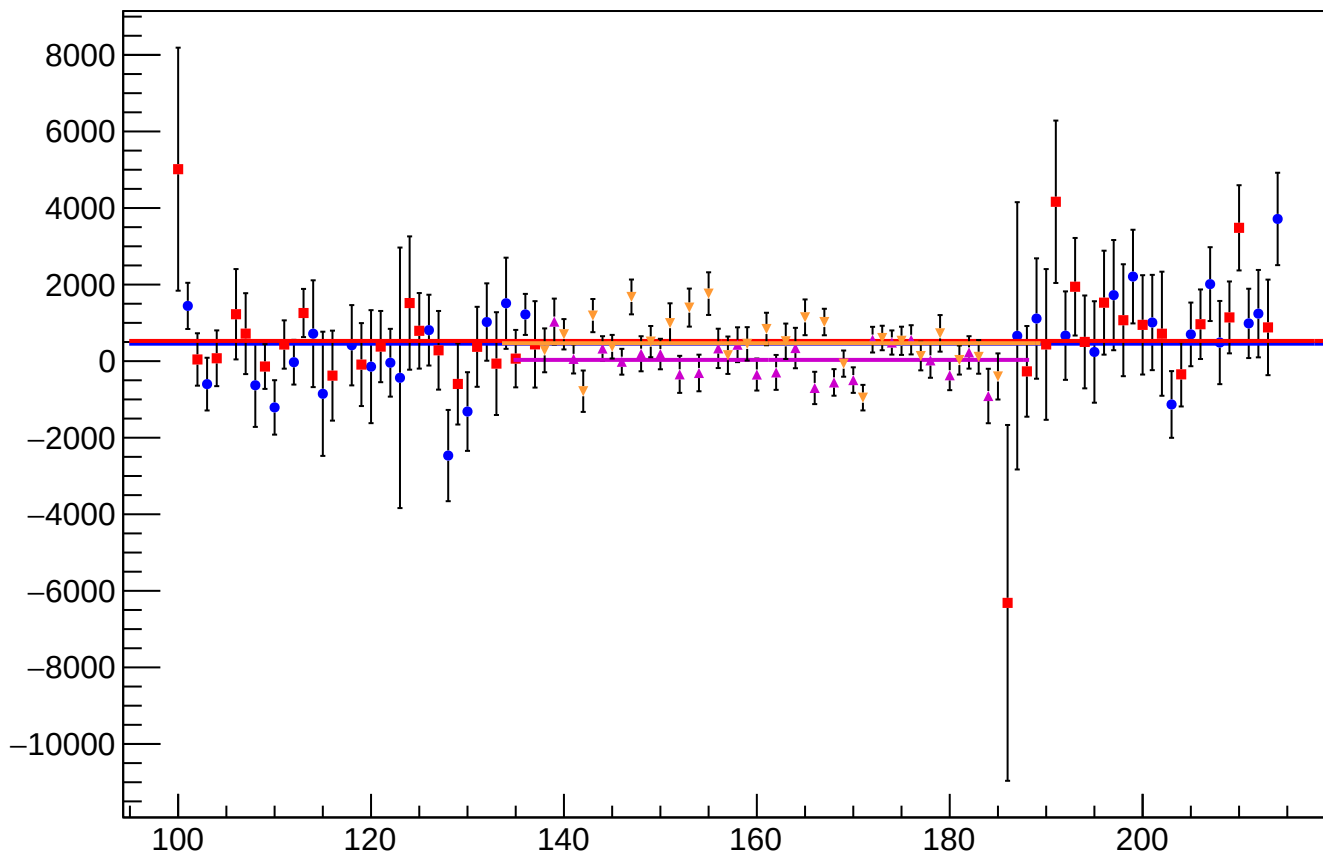
Left In: 345.954+/-0.059 χ^2/NDF :900847.0/22

+ sign 406.077+/-0.053 χ^2/NDF : 10041072.6/55

All: 406.635+/-0.037 χ^2/NDF : 20957717.5/11

- sign 407.211+/-0.053 χ^2/NDF : 10916415.6/56

asym_sam_1357_avg_mean vs Slug



Right In: 456.408 $\pm$ 173.611 χ^2 /NDF: 43.1/30

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF: 57.5/24

Right Out: 528.061 $\pm$ 173.067 χ^2 /NDF: 25.5/33

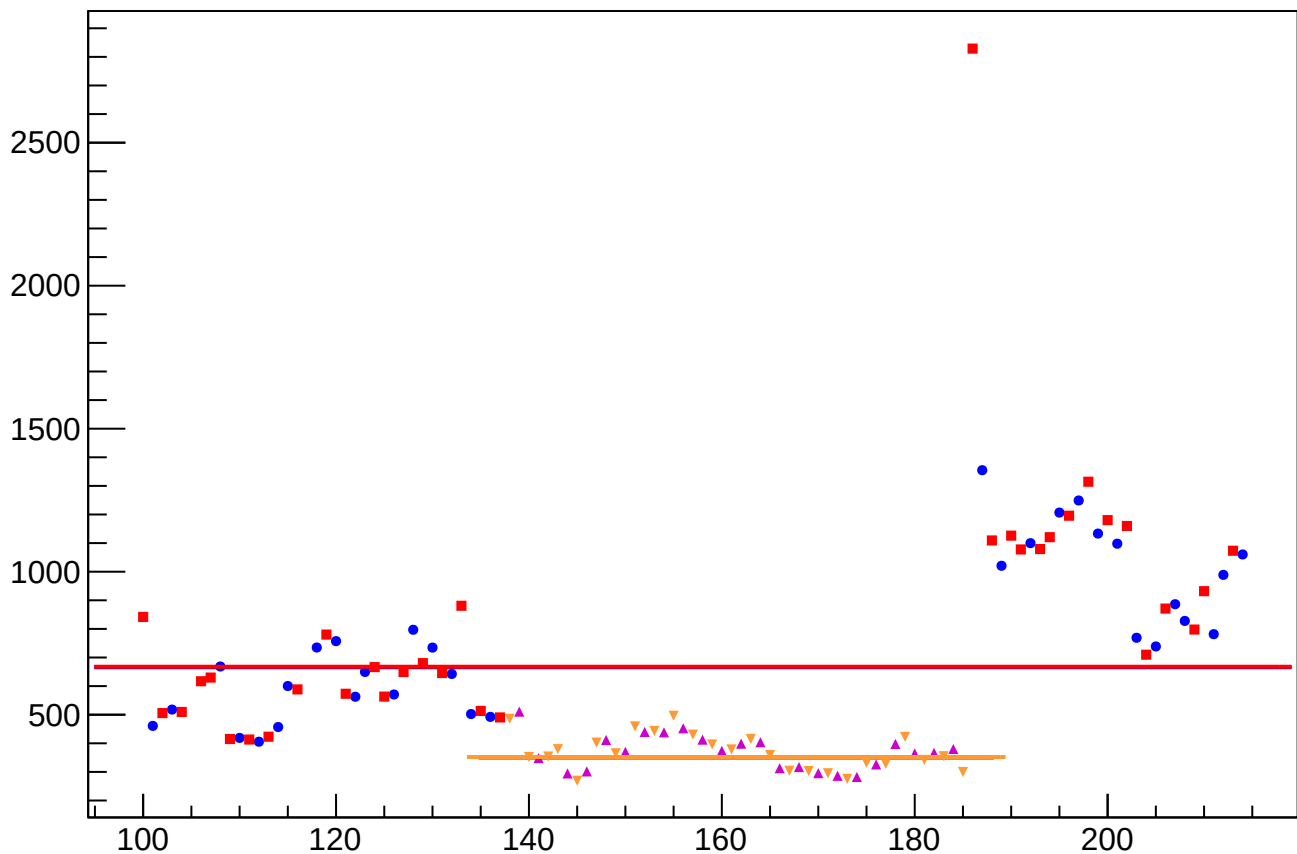
Left In: 32.801 $\pm$ 85.064 χ^2 /NDF: 25.7/22

+ sign 466.532 $\pm$ 75.099 χ^2 /NDF: 100.6/55

All: 300.615 $\pm$ 53.537 χ^2 /NDF: 168.3/112

- sign 129.166 $\pm$ 76.341 χ^2 /NDF: 57.8/56

asym_sam_1357_avg_rms vs Slug



Right In: 665.908 $\pm$ 0.123 χ^2 /NDF: 3609739.0/30

Left Out: 352.015 $\pm$ 0.059 χ^2 /NDF: 1017195.6/24

Right Out: 667.723 $\pm$ 0.122 χ^2 /NDF: 4519176.8/33

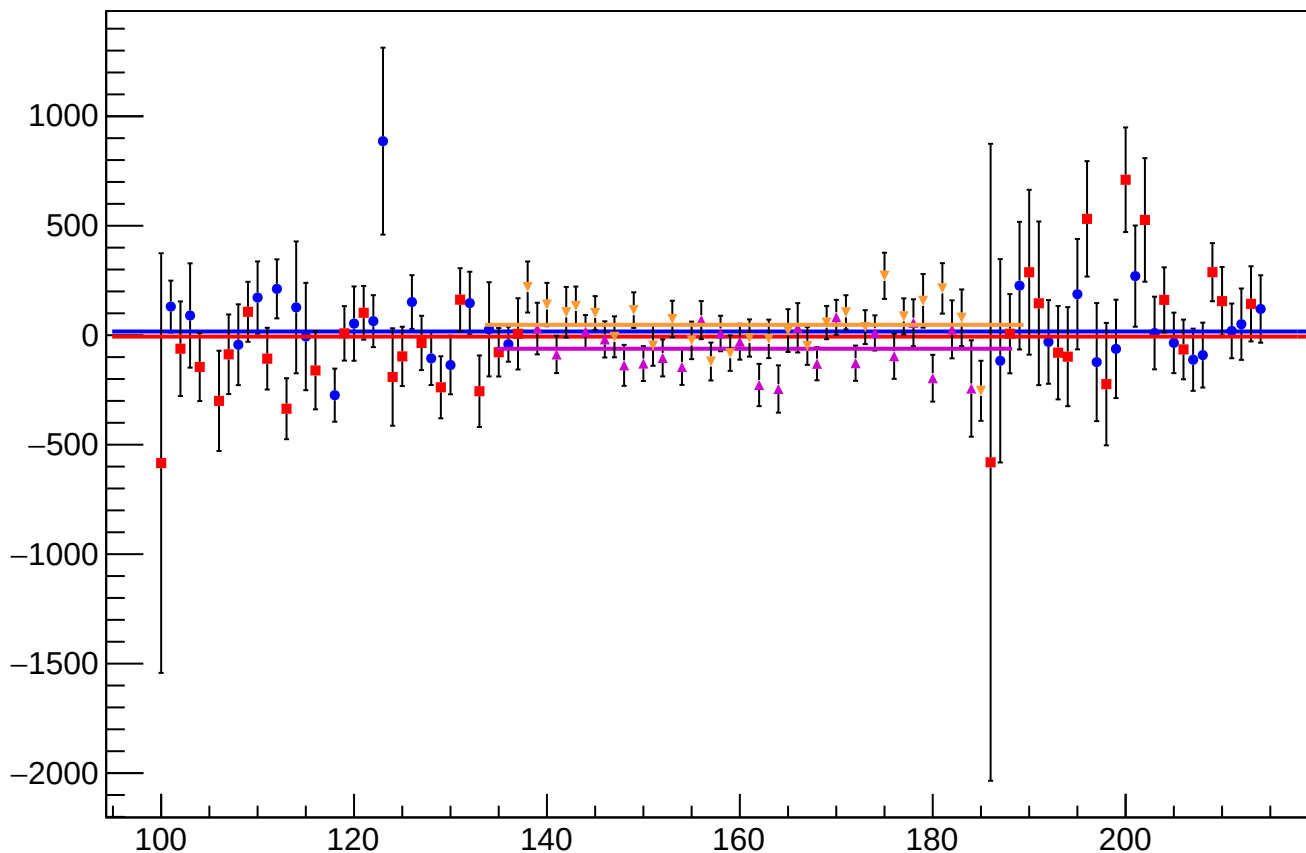
Left In: 350.160 $\pm$ 0.060 χ^2 /NDF: 878380.0/22

+ sign 410.750 $\pm$ 0.053 χ^2 /NDF: 9941525.1/55

All: 411.340 $\pm$ 0.038 χ^2 /NDF: 20762943.4/1

- sign 411.950 $\pm$ 0.054 χ^2 /NDF: 10821167.1/56

reg_asym_sam_2468_avg_mean vs Slug



Right In: 16.985 ± 28.027 $\chi^2/\text{NDF}: 23.9/30$

Left Out: 47.426 ± 18.253 $\chi^2/\text{NDF}: 29.4/24$

Right Out: -6.265 ± 28.861 $\chi^2/\text{NDF}: 46.1/33$

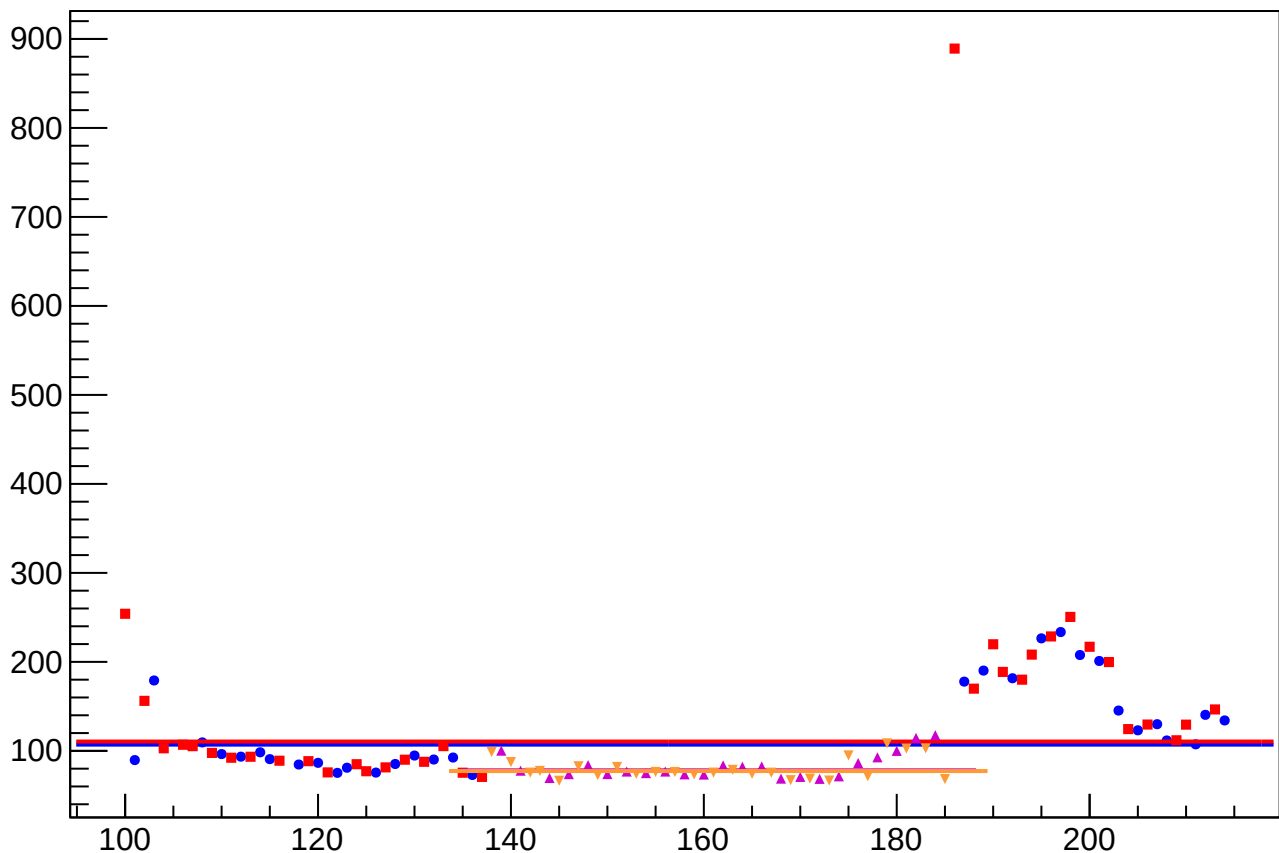
Left In: -61.830 ± 18.958 $\chi^2/\text{NDF}: 24.0/22$

+ sign 38.360 ± 15.295 $\chi^2/\text{NDF}: 54.1/55$

All: -1.888 ± 11.005 $\chi^2/\text{NDF}: 141.2/112$

- sign -45.082 ± 15.845 $\chi^2/\text{NDF}: 72.7/56$

reg_asym_sam_2468_avg_rms vs Slug



Right In: 107.026+/-0.020 χ^2/NDF : 3595801.3/30

Left Out: 77.316+/-0.013 χ^2/NDF : 635622.3/24

Right Out: 110.479+/-0.020 χ^2/NDF : 4451234.0/33

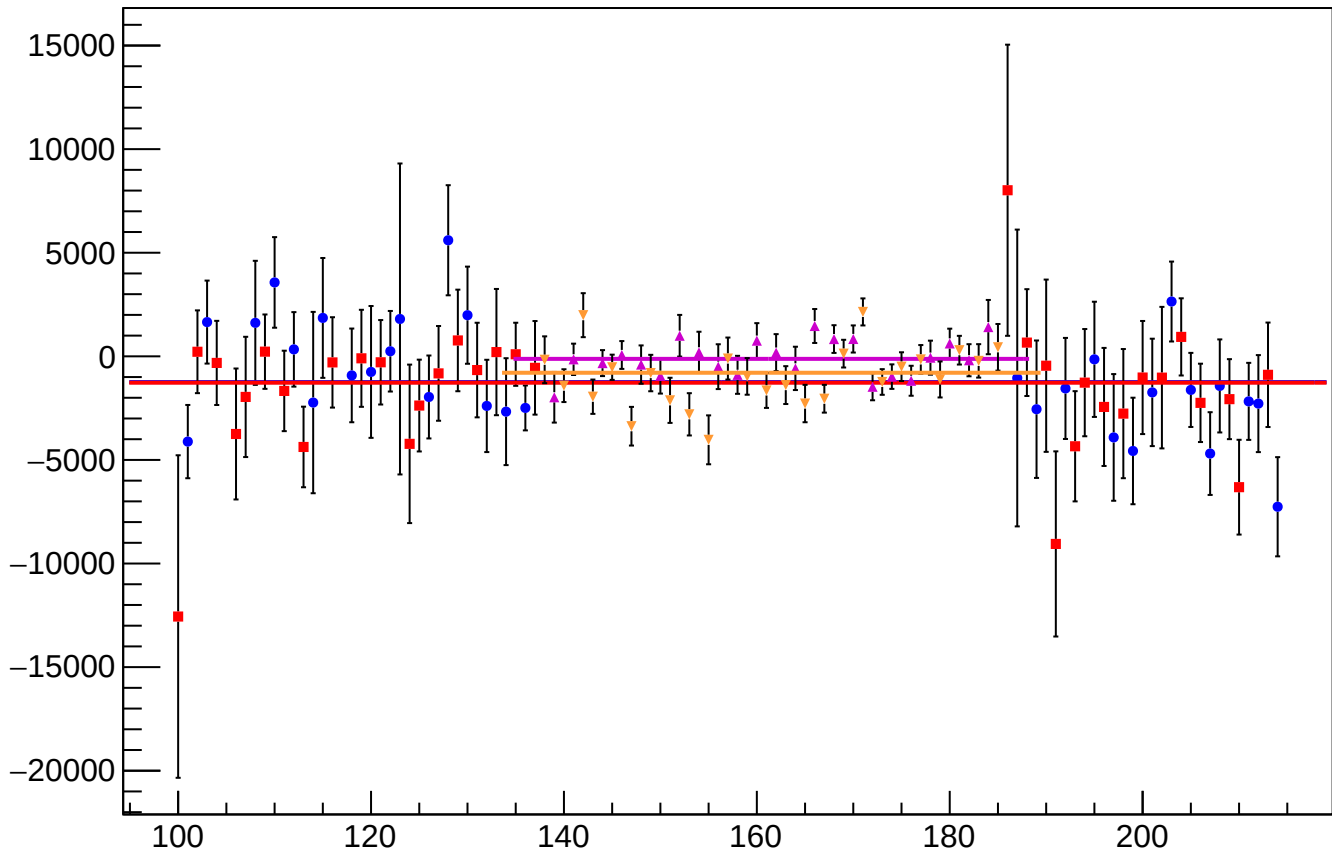
Left In: 78.139+/-0.013 χ^2/NDF : 582108.1/22

+ sign 86.164+/-0.011 χ^2/NDF : 5809493.7/55

All: 86.995+/-0.008 χ^2/NDF : 12609398.4/112

- sign 87.887+/-0.011 χ^2/NDF : 6787672.6/56

asym_sam_2468_avg_correction_mean vs Slug



Right In: -1243.858+/-401.091 χ^2/NDF : 40.5/30

Left Out: -792.776+/-162.659 χ^2/NDF : 66.6/24

Right Out: -1271.817+/-409.642 χ^2/NDF : 24.2/33

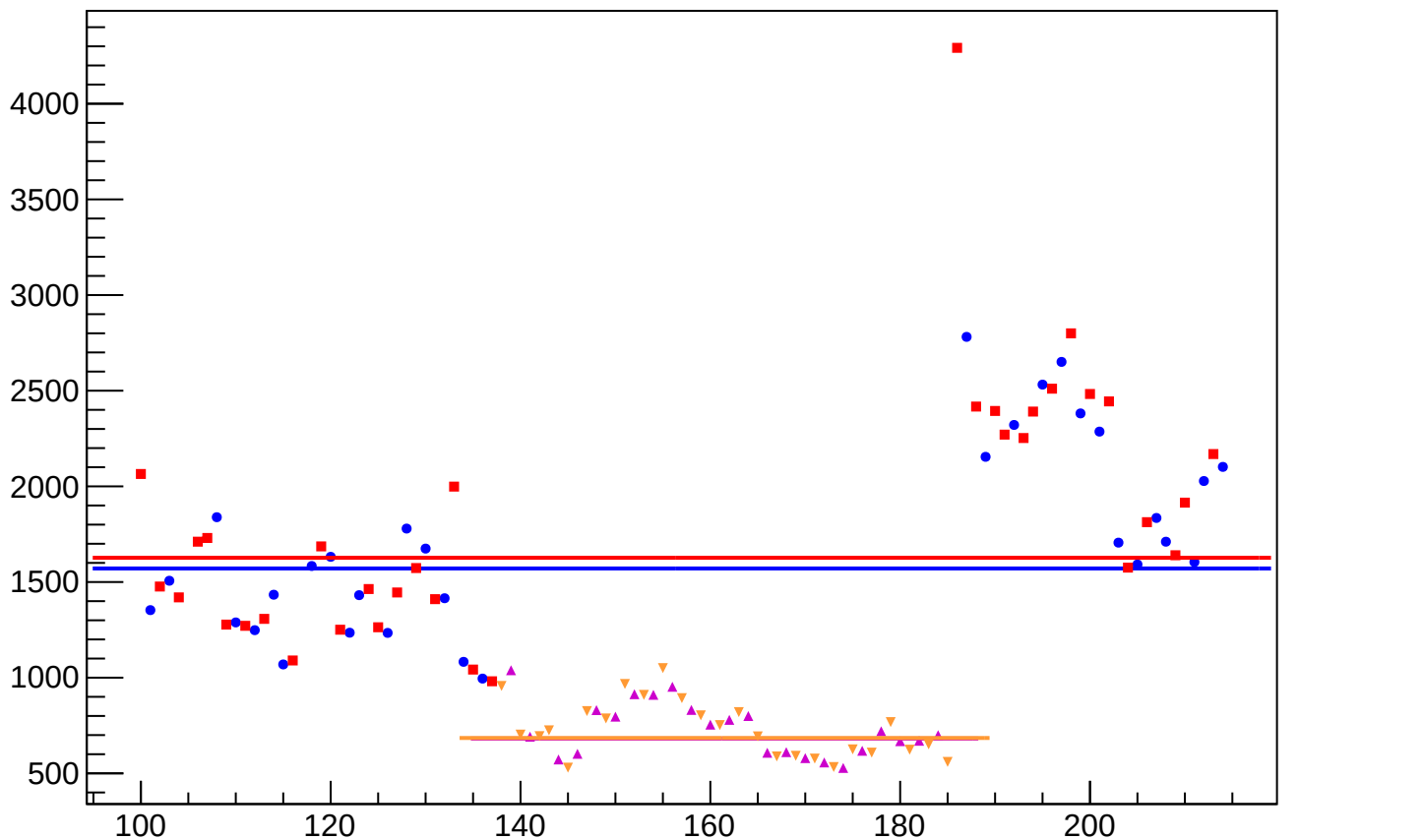
Left In: -122.198+/-166.193 χ^2/NDF : 25.9/22

+ sign -856.485+/-150.735 χ^2/NDF : 108.2/55

All: -576.710+/-107.722 χ^2/NDF : 172.1/112

- sign -284.677+/-154.002 χ^2/NDF : 56.9/56

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1570.864 ± 0.284 $\chi^2/\text{NDF}: 2363166.3/30$

Left Out: 684.785 ± 0.115 $\chi^2/\text{NDF}: 1280146.2/24$

+ sign 809.931 ± 0.107 $\chi^2/\text{NDF}: 12025631.2/55$

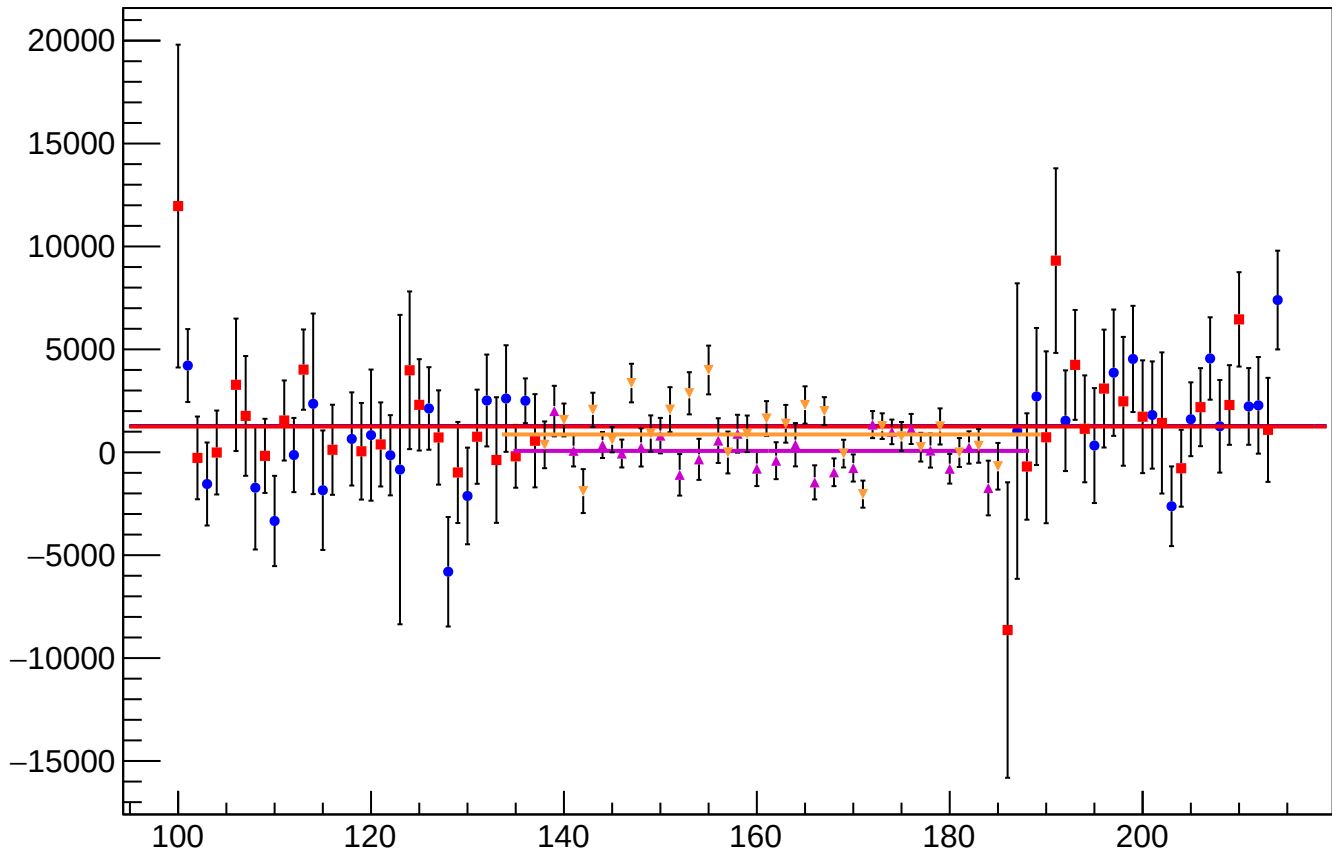
Right Out: 1626.657 ± 0.290 $\chi^2/\text{NDF}: 2809215.3/33$

All: 812.540 ± 0.076 $\chi^2/\text{NDF}: 25093875.0/11$

Left In: 681.712 ± 0.118 $\chi^2/\text{NDF}: 1119637.0/22$

- sign 815.264 ± 0.109 $\chi^2/\text{NDF}: 13067018.7/56$

asym_sam_2468_avg_mean vs Slug



Right In: 1274.137+/-402.291 χ^2 /NDF: 40.2/30

Left Out: 865.597+/-163.885 χ^2 /NDF: 62.8/24

Right Out: 1250.899+/-411.021 χ^2 /NDF: 24.0/33

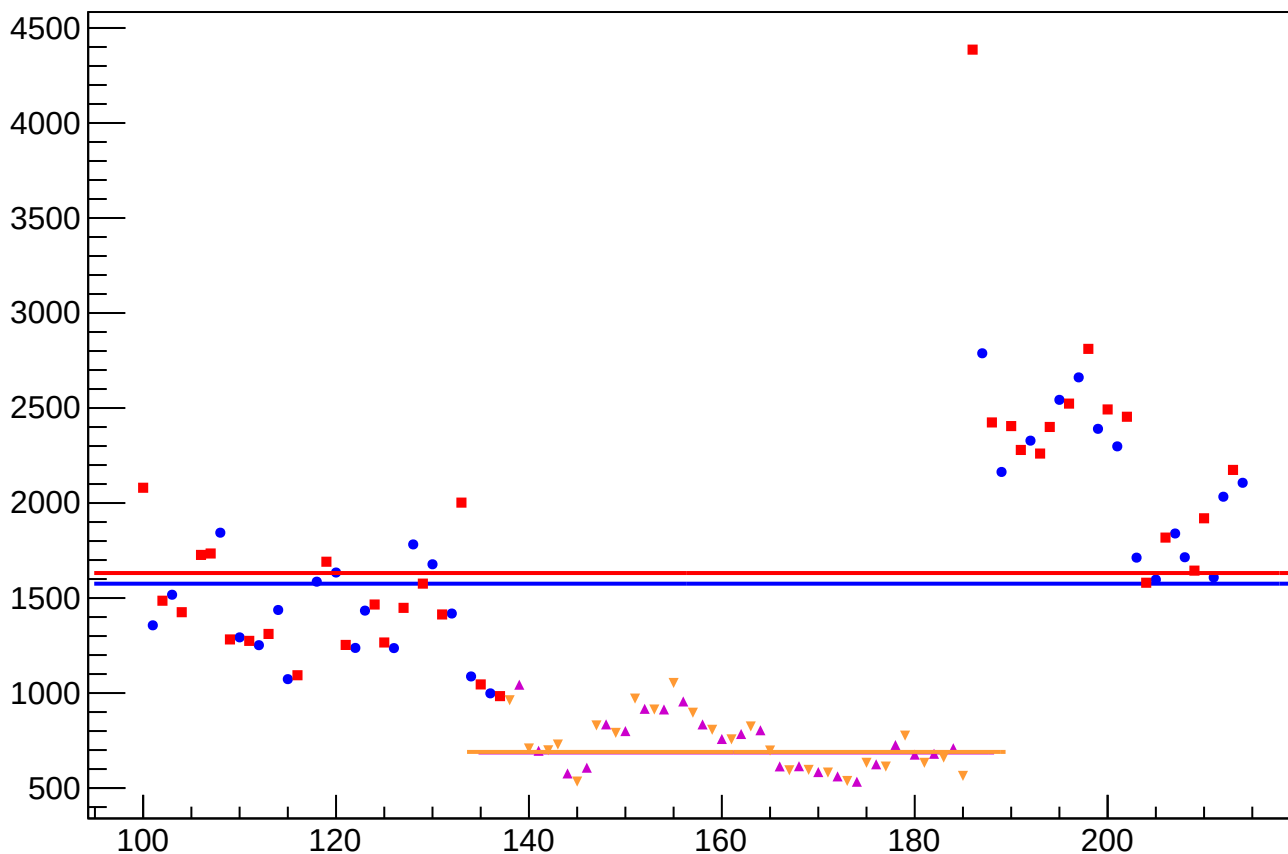
Left In: 65.924+/-167.485 χ^2 /NDF: 26.4/22

+ sign 923.747+/-151.774 χ^2 /NDF: 104.0/55

All: 586.676+/-108.478 χ^2 /NDF: 171.6/112

- sign 234.663+/-155.102 χ^2 /NDF: 57.6/56

asym_sam_2468_avg_rms vs Slug



Right In: 1575.486 $\pm$ 0.284 χ^2 /NDF: 2366553.0/30

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF: 1258158.2/24

Right Out: 1631.574 $\pm$ 0.291 χ^2 /NDF: 2821250.1/33

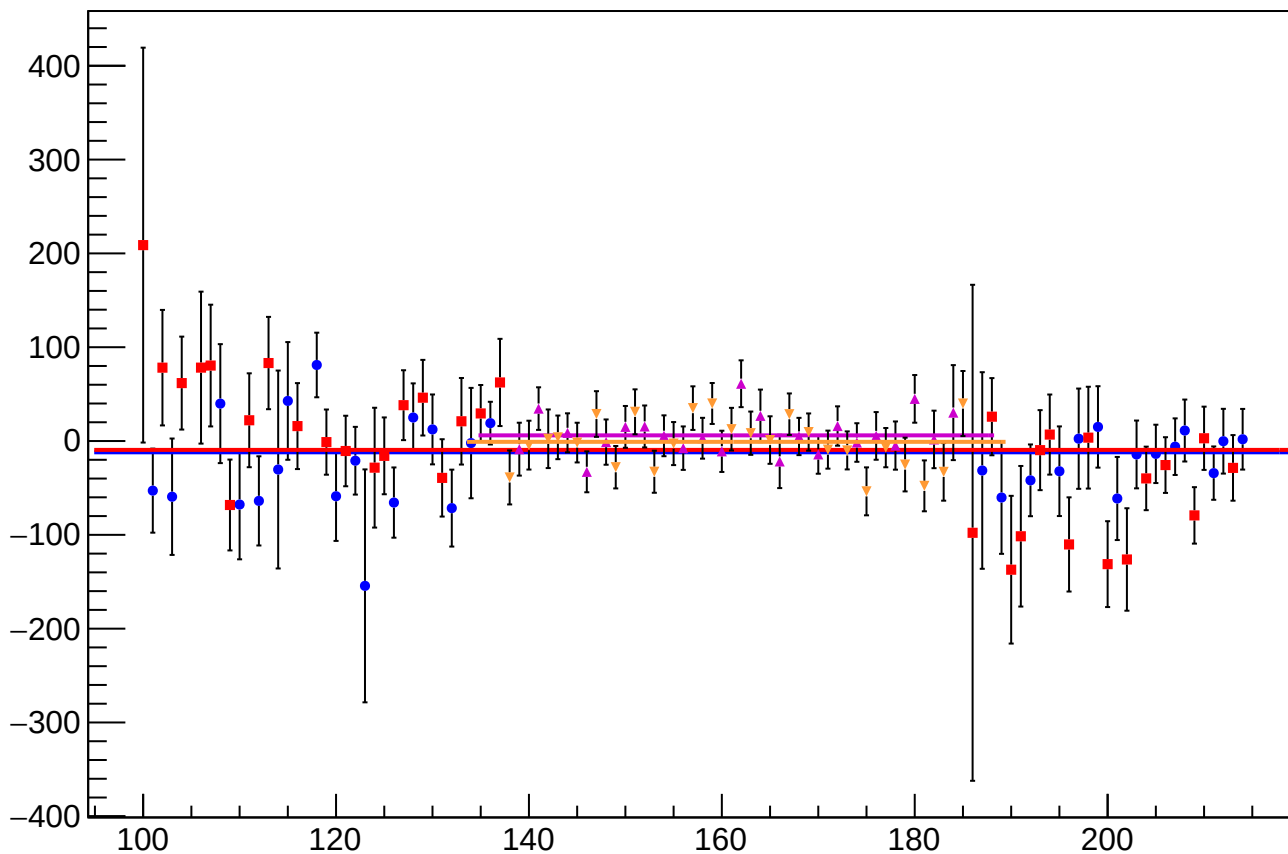
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF: 1099706.1/22

+ sign 816.180 $\pm$ 0.107 χ^2 /NDF: 11932132.2/55

All: 818.876 $\pm$ 0.077 χ^2 /NDF: 24908784.2/11

- sign 821.692 $\pm$ 0.110 χ^2 /NDF: 12975361.6/56

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -12.025 ± 7.267 χ^2/NDF : 26.8/30

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -9.450 ± 7.554 χ^2/NDF : 50.5/33

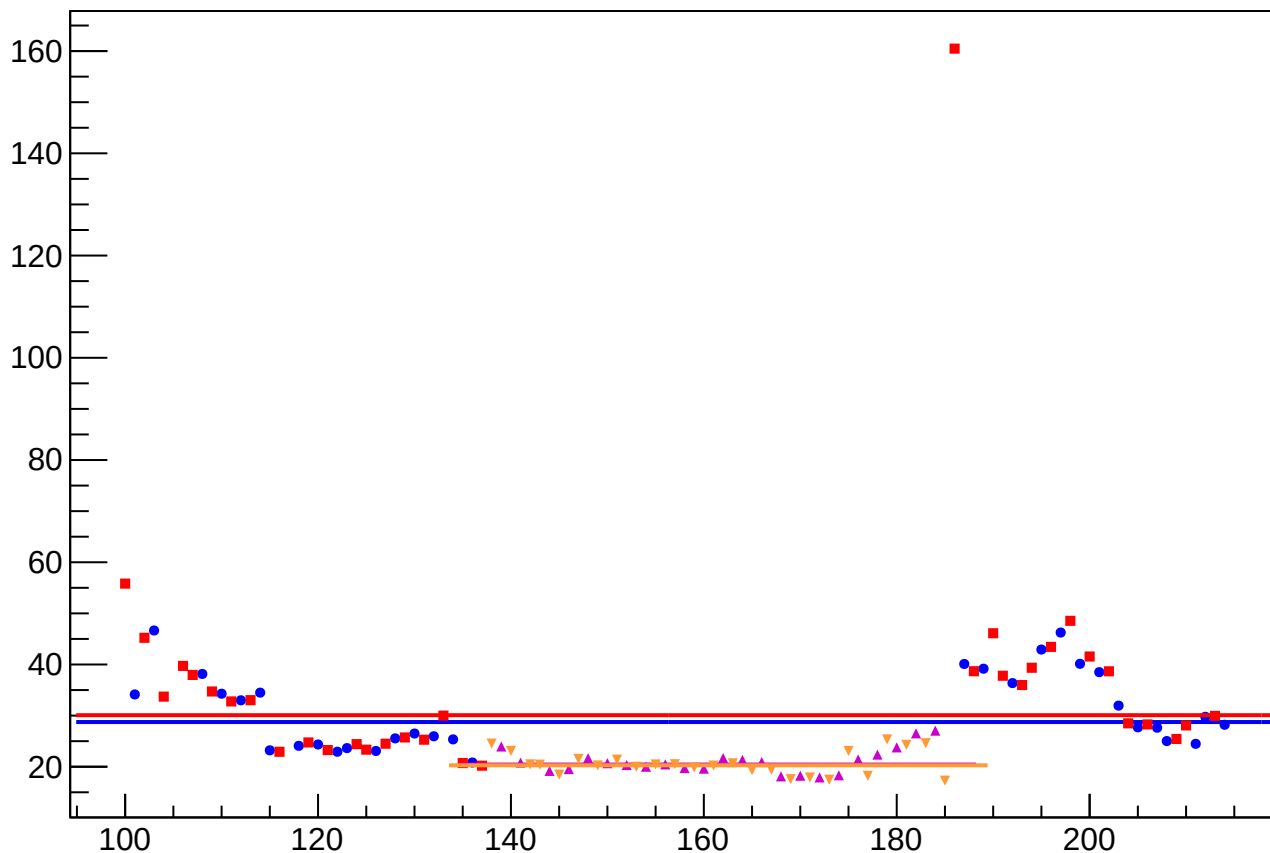
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -4.213 ± 3.982 χ^2/NDF : 56.3/55

All: -1.496 ± 2.865 χ^2/NDF : 127.7/112

- sign 1.420 ± 4.126 χ^2/NDF : 70.4/56

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.743 $\pm$ 0.005 χ^2 /NDF: 1612653.0/30

Left Out: 20.279 $\pm$ 0.003 χ^2 /NDF: 407056.4/24

Right Out: 30.083 $\pm$ 0.005 χ^2 /NDF: 2285158.0/33

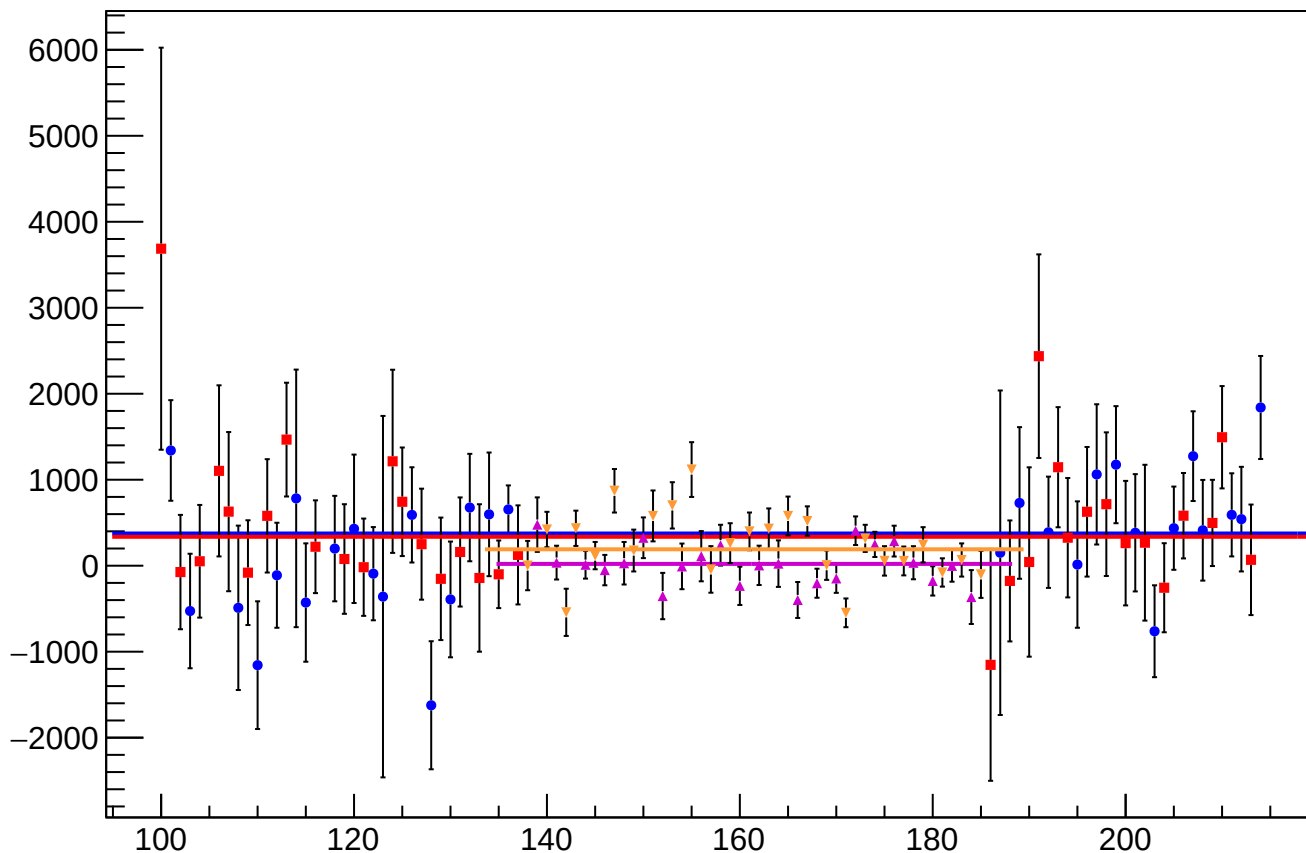
Left In: 20.424 $\pm$ 0.003 χ^2 /NDF: 323427.4/22

+ sign 22.821 $\pm$ 0.003 χ^2 /NDF: 3918209.3/55

All: 23.054 $\pm$ 0.002 χ^2 /NDF: 8835642.0/112

- sign 23.305 $\pm$ 0.003 χ^2 /NDF: 4903153.5/56

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 374.570 ± 110.921 $\chi^2/\text{NDF}: 38.9/30$

Left Out: 190.867 ± 41.314 $\chi^2/\text{NDF}: 67.9/24$

Right Out: 336.483 ± 114.794 $\chi^2/\text{NDF}: 23.1/33$

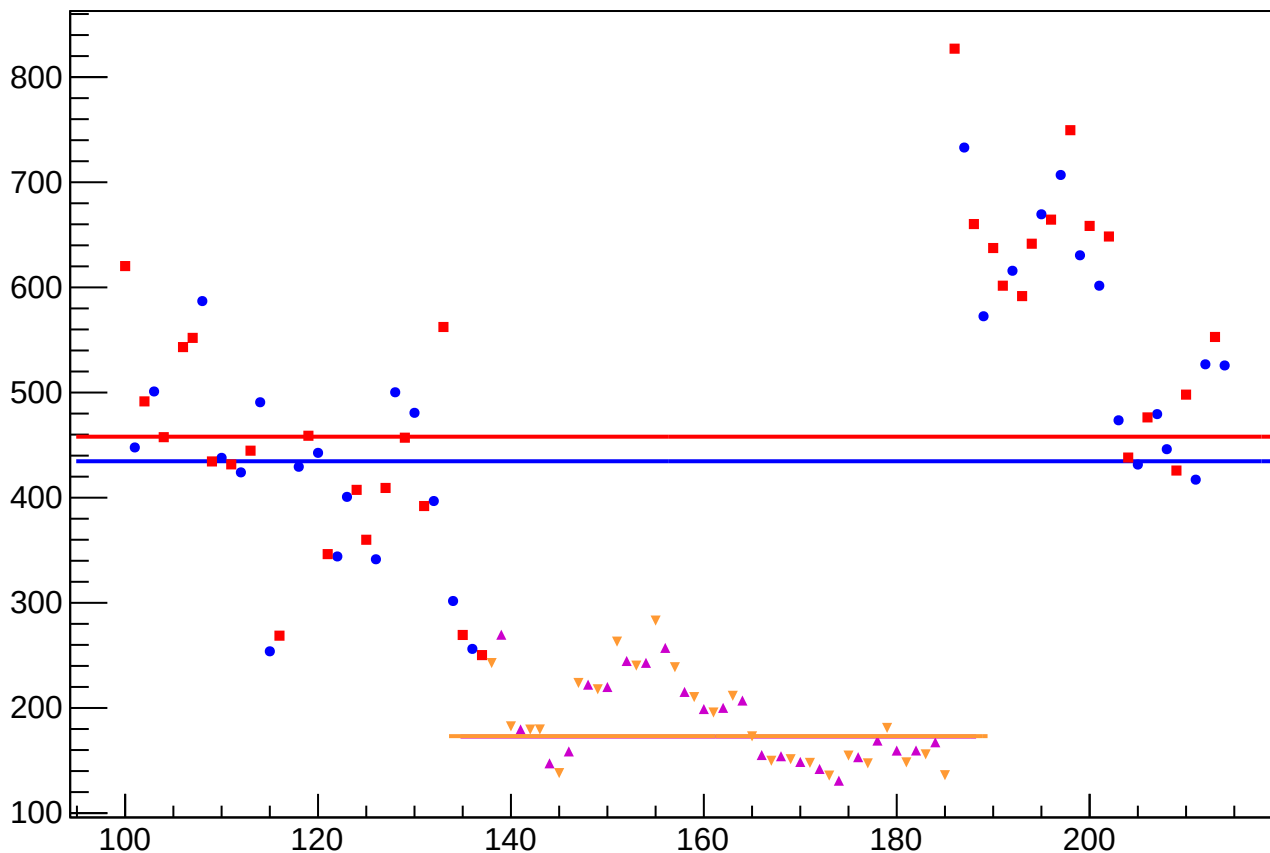
Left In: 20.998 ± 42.291 $\chi^2/\text{NDF}: 27.7/22$

+ sign 213.247 ± 38.716 $\chi^2/\text{NDF}: 109.2/55$

All: 137.881 ± 27.712 $\chi^2/\text{NDF}: 174.4/112$

- sign 58.699 ± 39.683 $\chi^2/\text{NDF}: 57.5/56$

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 434.655 $\pm$ 0.078 χ^2 /NDF: 2332199.3/30

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF:1561250.6/24

Right Out: 458.012 $\pm$ 0.081 χ^2 /NDF: 2528341.3/33

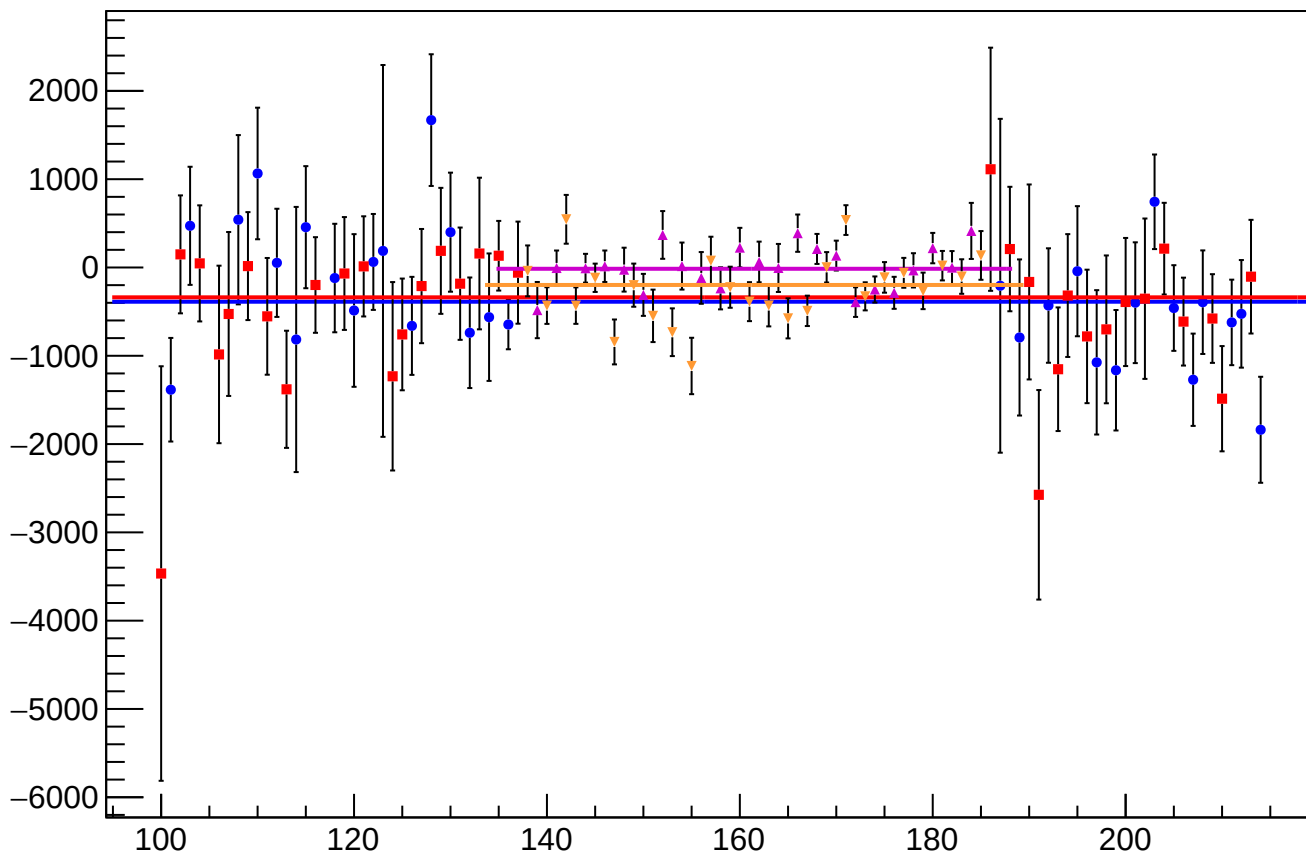
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF:1372131.7/22

+ sign 205.061 $\pm$ 0.027 χ^2 /NDF: 13650986.5/55

All: 205.962 $\pm$ 0.020 χ^2 /NDF: 28422185.2/11

- sign 206.908 $\pm$ 0.028 χ^2 /NDF: 14768978.3/56

asym_sam_1357_2468_dd_mean vs Slug



Right In: -387.658 $\pm$ 111.200 χ^2/NDF : 38.7/30

Left Out: -197.918 $\pm$ 41.638 χ^2/NDF : 64.3/24

Right Out: -338.023 $\pm$ 115.107 χ^2/NDF : 23.1/33

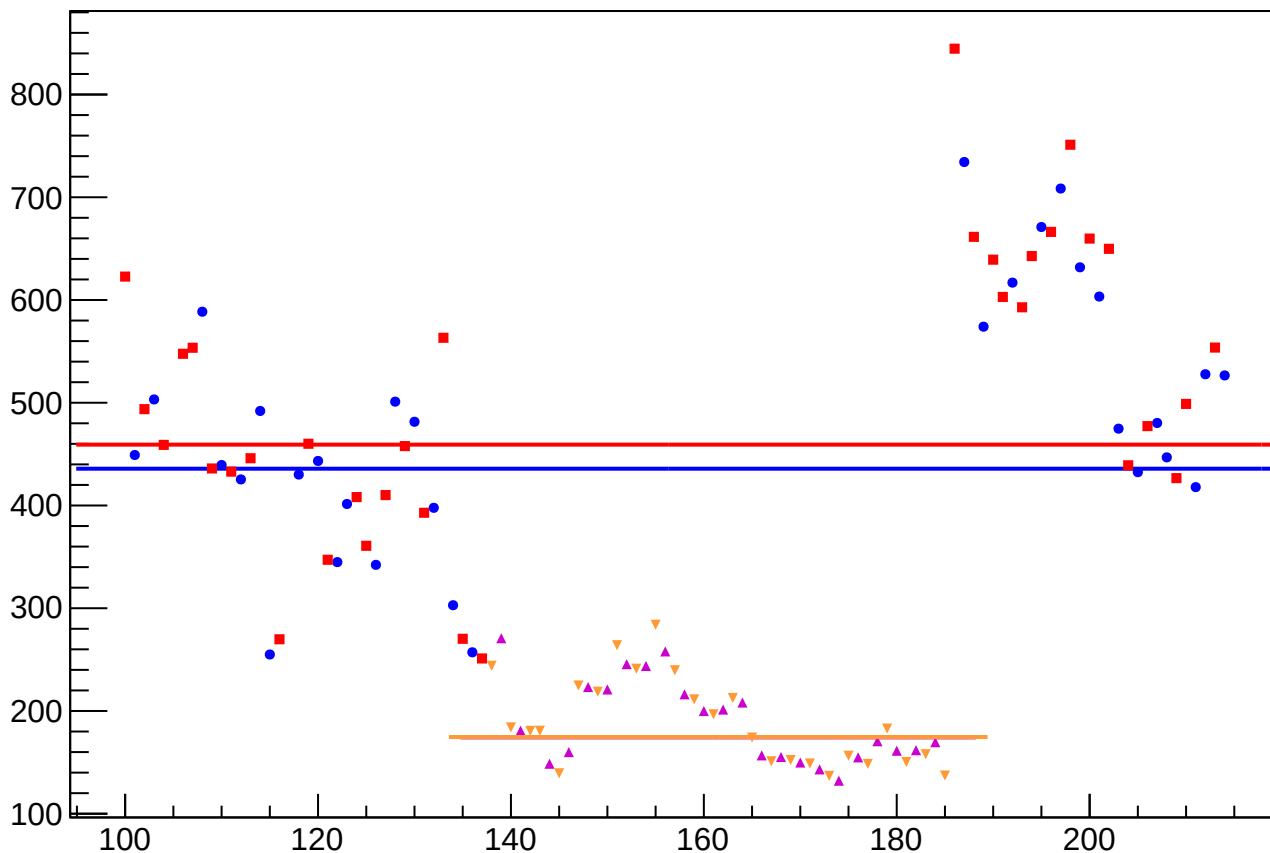
Left In: -14.616 $\pm$ 42.629 χ^2/NDF : 27.7/22

+ sign -221.249 $\pm$ 38.994 χ^2/NDF : 105.5/55

All: -139.520 $\pm$ 27.914 χ^2/NDF : 172.3/112

- sign -53.623 $\pm$ 39.976 χ^2/NDF : 57.8/56

asym_sam_1357_2468_dd_rms vs Slug



Right In: 435.807 $\pm$ 0.079 χ^2/NDF : 2324742.5/30

Left Out: 174.648 $\pm$ 0.029 χ^2/NDF :1531999.5/24

Right Out: 459.228 $\pm$ 0.081 χ^2/NDF : 2530828.8/33

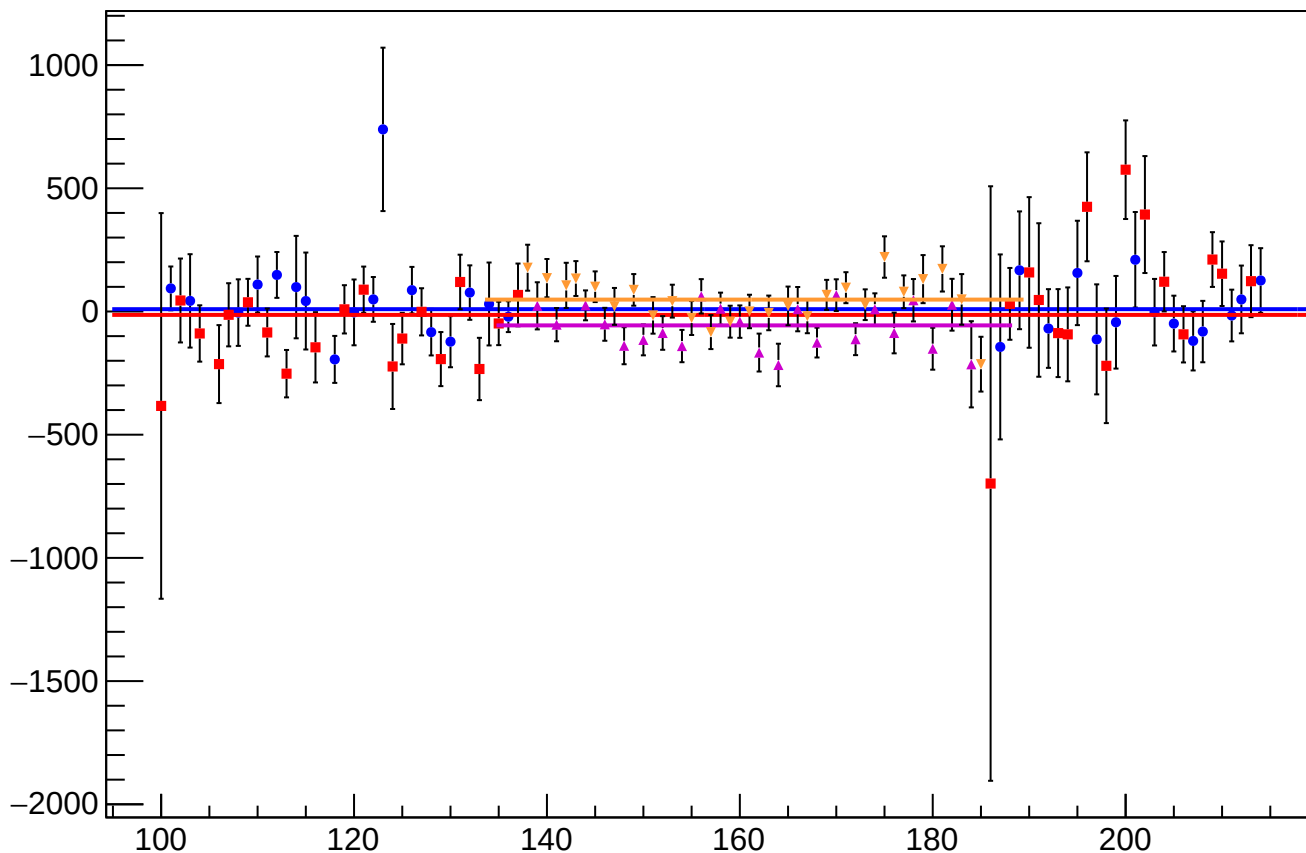
Left In: 174.288 $\pm$ 0.030 χ^2/NDF :1344779.5/22

+ sign 206.762 $\pm$ 0.028 χ^2/NDF : 13531553.5/55

All: 207.685 $\pm$ 0.020 χ^2/NDF : 28186845.3/11

- sign 208.656 $\pm$ 0.028 χ^2/NDF : 14652991.0/56

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 9.399 ± 21.994 χ^2/NDF : 23.3/30

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: -13.769 ± 22.369 χ^2/NDF : 47.3/33

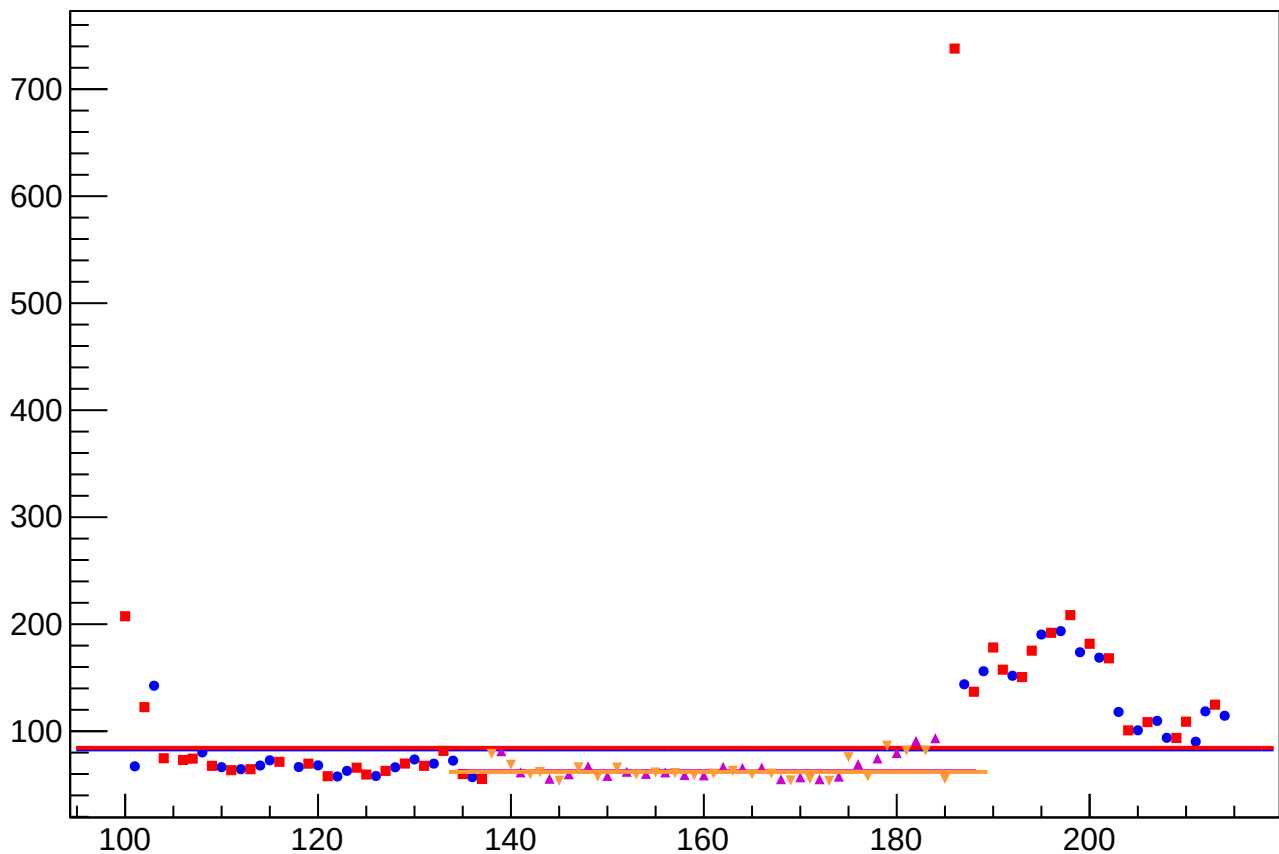
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 36.337 ± 12.173 χ^2/NDF : 54.8/55

All: -2.063 ± 8.742 χ^2/NDF : 152.5/112

- sign -42.958 ± 12.562 χ^2/NDF : 77.2/56

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 83.014+/-0.016 χ^2/NDF : 4275214.2/30

Left Out: 61.946+/-0.010 χ^2/NDF : 604989.2/24

Right Out: 84.442+/-0.016 χ^2/NDF : 5228555.8/33

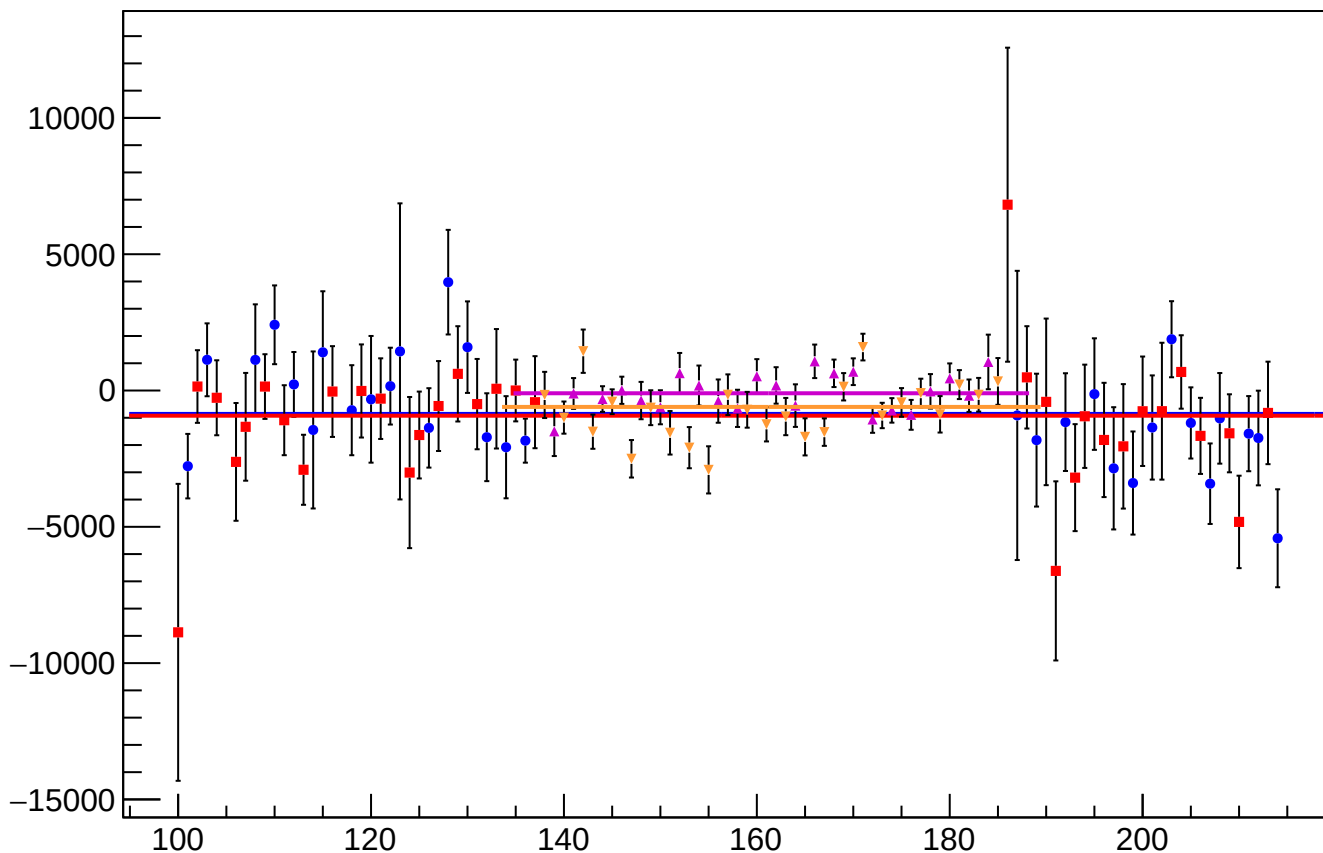
Left In: 62.607+/-0.011 χ^2/NDF : 575516.1/22

+ sign 68.400+/-0.009 χ^2/NDF : 6153168.5/55

All: 68.929+/-0.006 χ^2/NDF : 13269690.4/112

- sign 69.493+/-0.009 χ^2/NDF : 7108713.4/56

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -858.630 ± 288.589 $\chi^2/\text{NDF}: 41.2/30$

Left Out: -601.486 ± 122.119 $\chi^2/\text{NDF}: 65.4/24$

Right Out: -923.716 ± 292.803 $\chi^2/\text{NDF}: 24.6/33$

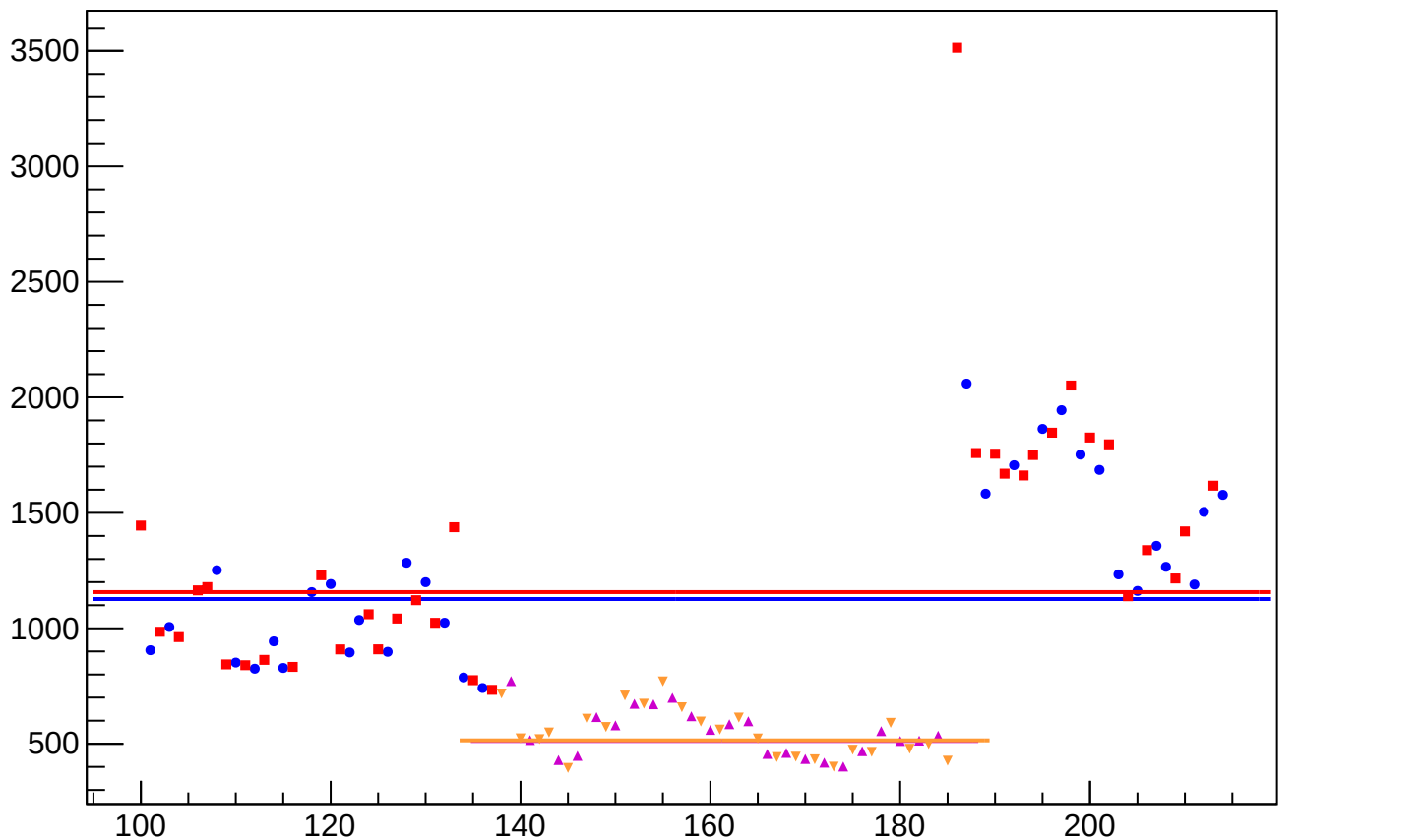
Left In: -100.548 ± 124.725 $\chi^2/\text{NDF}: 25.5/22$

+ sign -640.538 ± 112.464 $\chi^2/\text{NDF}: 107.3/55$

All: -437.912 ± 80.319 $\chi^2/\text{NDF}: 170.6/112$

- sign -226.972 ± 114.748 $\chi^2/\text{NDF}: 56.7/56$

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1126.821 $\pm$ 0.204 χ^2 /NDF: 2547576.7/30

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 1156.843 $\pm$ 0.207 χ^2 /NDF: 3115992.3/33

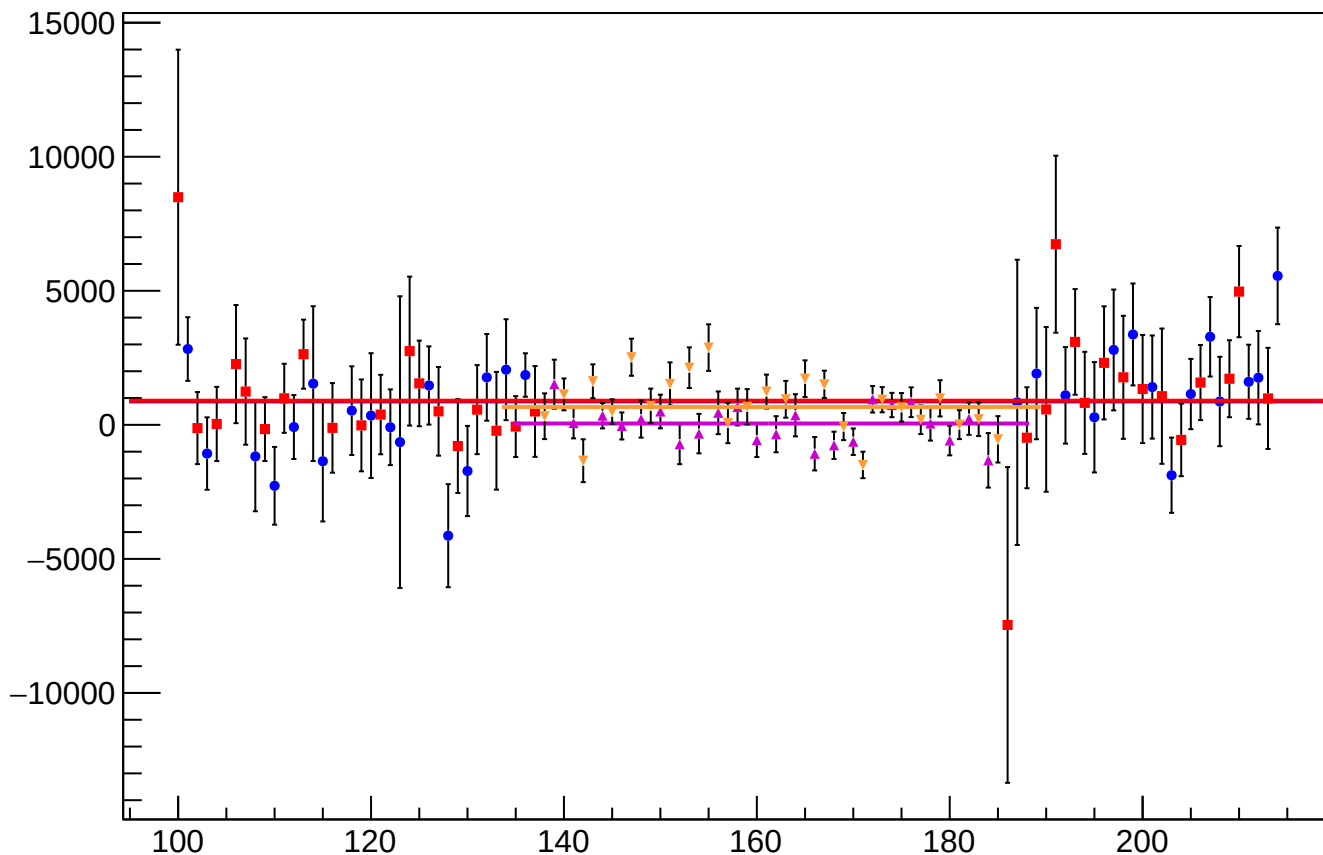
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 607.711 $\pm$ 0.080 χ^2 /NDF: 11372544.3/55

All: 609.423 $\pm$ 0.057 χ^2 /NDF: 23736279.0/11

- sign 611.205 $\pm$ 0.081 χ^2 /NDF: 12362788.8/56

asym_sam_12345678_avg_mean vs Slug



Right In: 875.456 $\pm$ 289.650 χ^2 /NDF: 41.0/30

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF:61.5/24

Right Out: 900.787 $\pm$ 294.005 χ^2 /NDF: 24.4/33

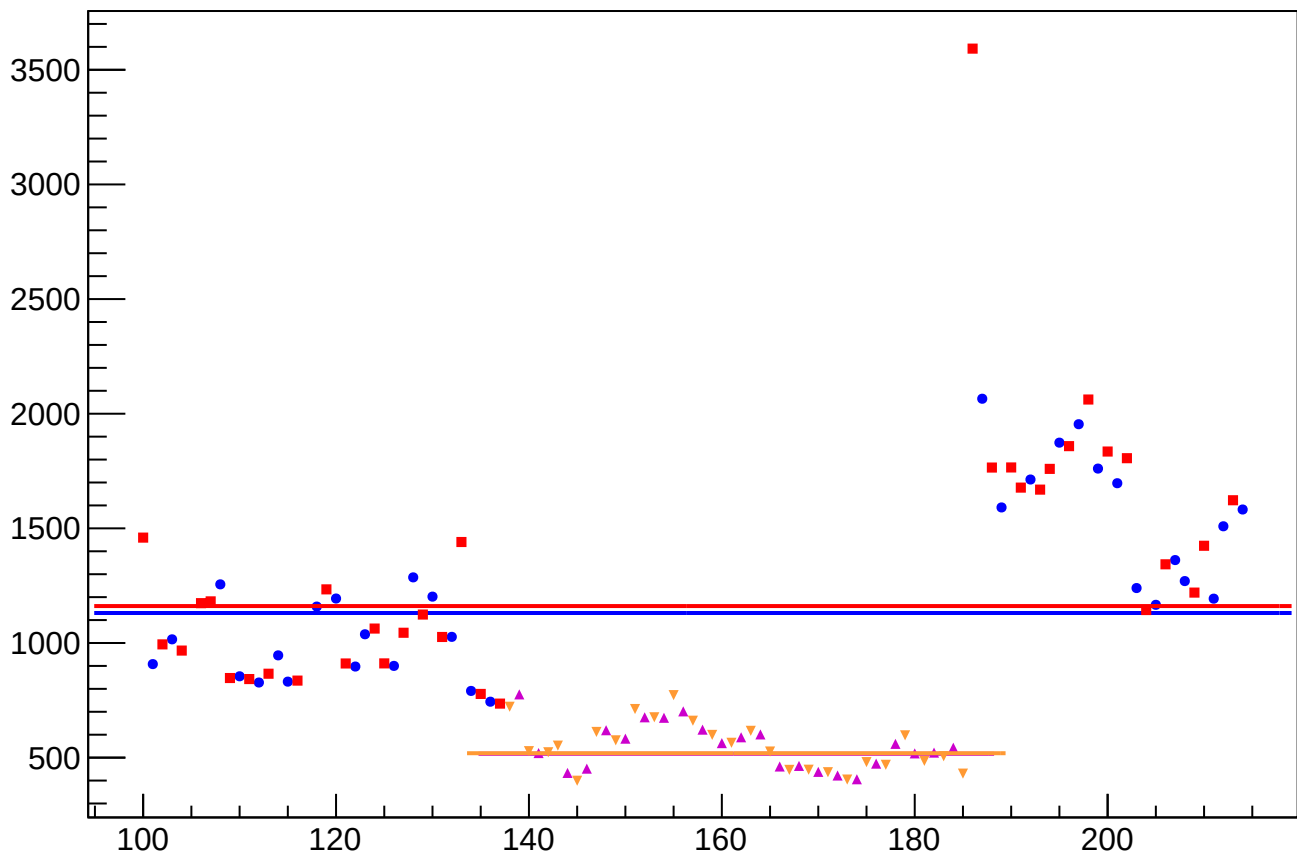
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF:26.1/22

+ sign 699.440 $\pm$ 113.328 χ^2 /NDF: 102.9/55

All: 445.861 $\pm$ 80.947 χ^2 /NDF: 170.7/112

- sign 181.736 $\pm$ 115.661 χ^2 /NDF: 57.5/56

asym_sam_12345678_avg_rms vs Slug



Right In: 1130.854+/-0.205 χ^2/NDF : 2553645.3/30

Left Out: 519.254+/-0.087 χ^2/NDF : 1172411.1/24

Right Out: 1161.090+/-0.208 χ^2/NDF : 3130001.7/33

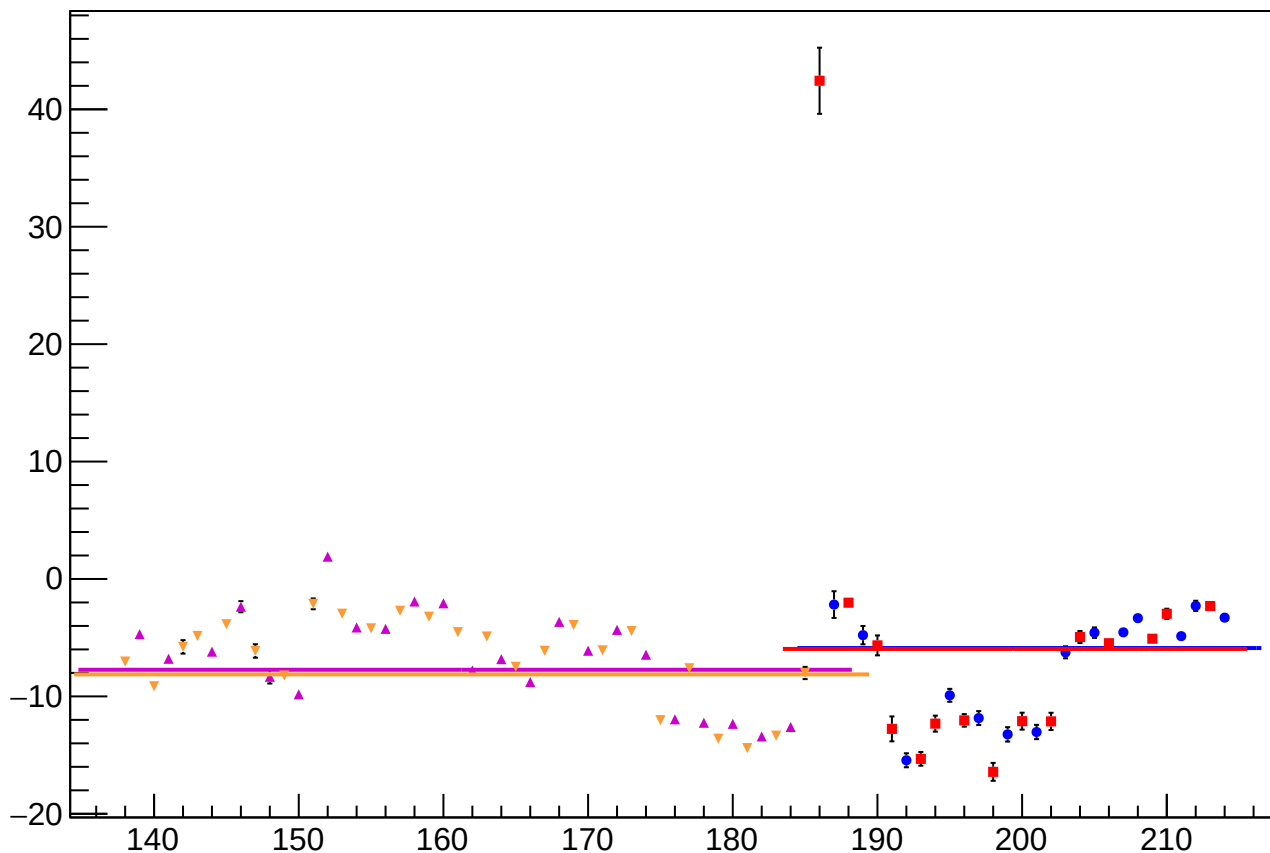
Left In: 516.792+/-0.089 χ^2/NDF : 1021374.1/22

+ sign 612.881+/-0.080 χ^2/NDF : 11278009.2/55

All: 614.656+/-0.057 χ^2/NDF : 23548869.7/11

- sign 616.505+/-0.082 χ^2/NDF : 12269858.5/56

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.883 ± 0.124 χ^2/NDF : 928.9/13

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -5.959 ± 0.127 χ^2/NDF : 1473.0/14

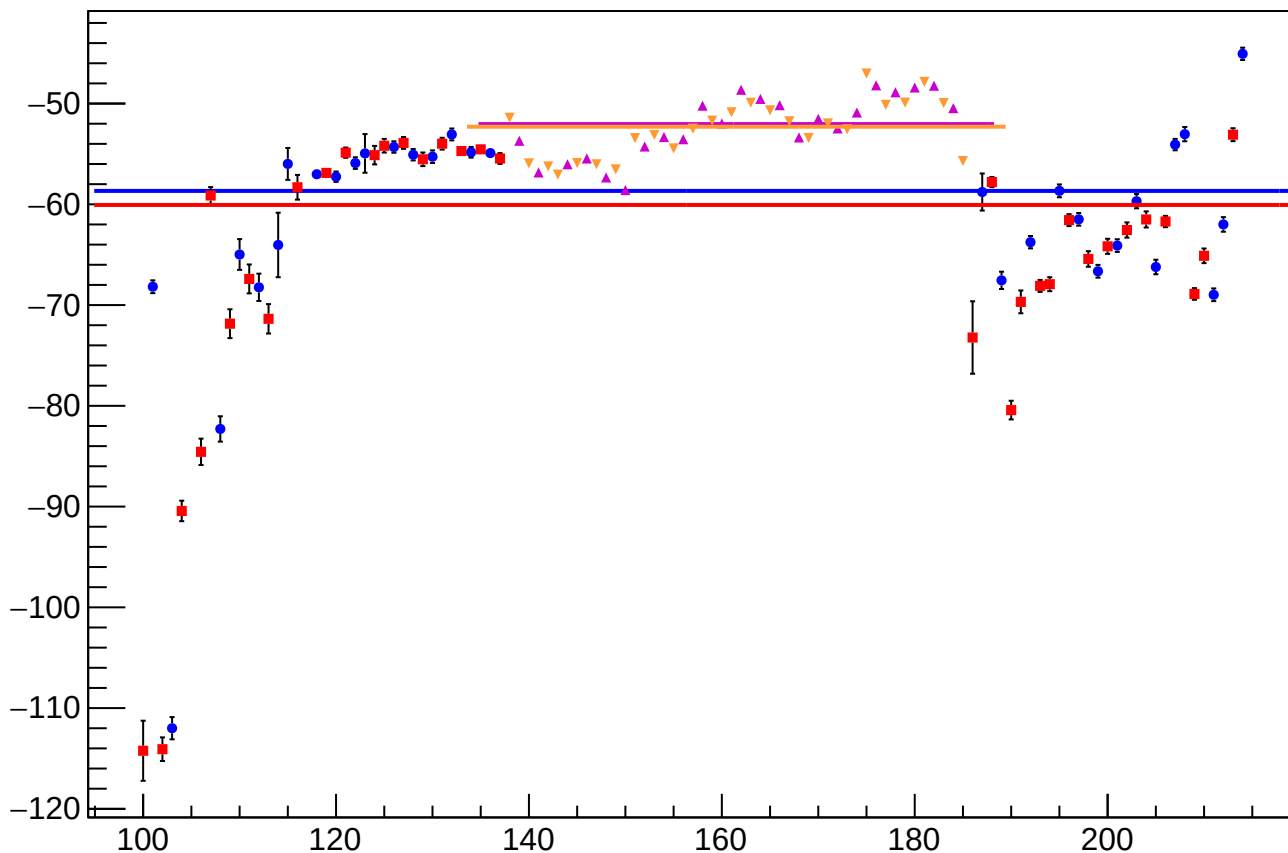
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -7.613 ± 0.059 χ^2/NDF : 4818.6/38

All: -7.475 ± 0.042 χ^2/NDF : 10171.7/76

- sign -7.331 ± 0.061 χ^2/NDF : 5342.0/37

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.669 ± 0.112 $\chi^2/\text{NDF}: 4969.4/30$

Left Out: -52.297 ± 0.055 $\chi^2/\text{NDF}: 2657.5/24$

Right Out: -60.064 ± 0.112 $\chi^2/\text{NDF}: 6373.9/33$

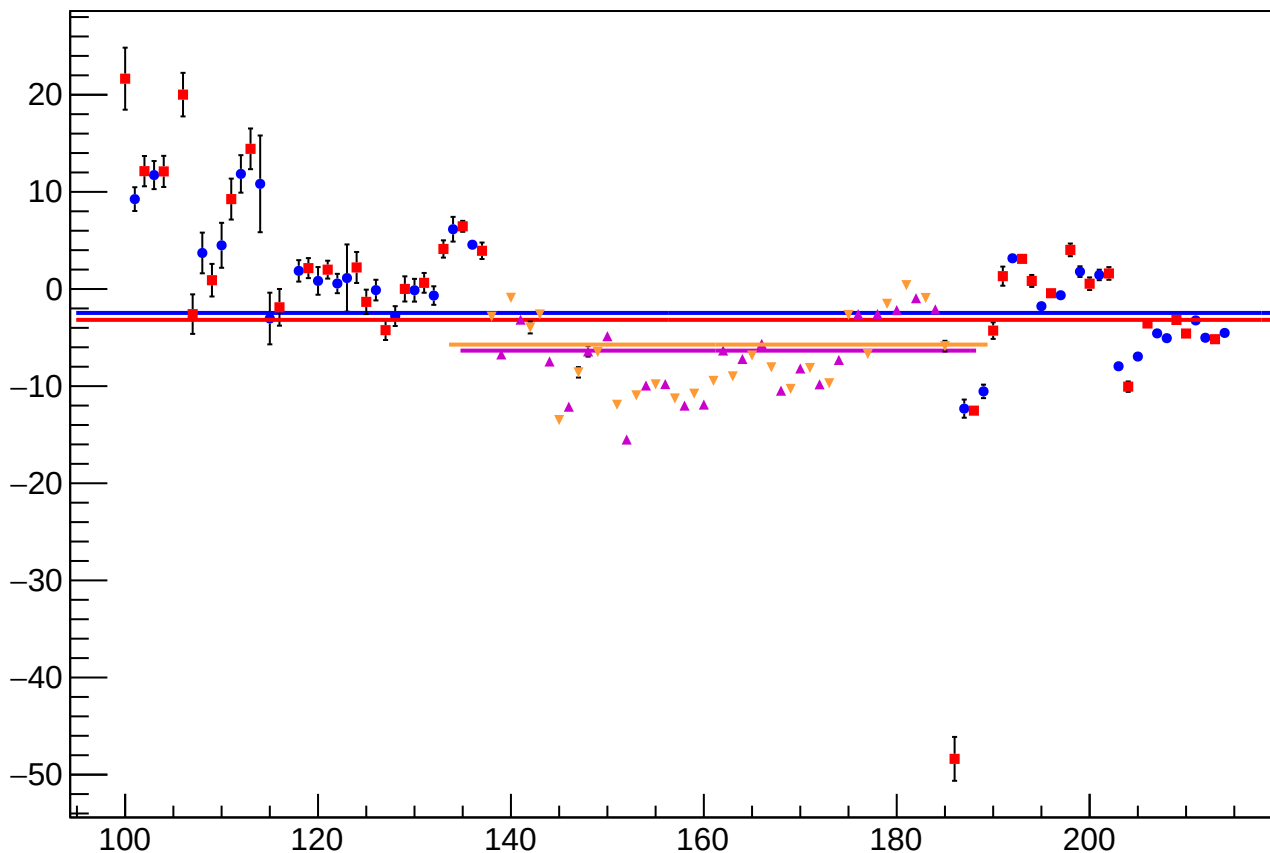
Left In: -52.038 ± 0.057 $\chi^2/\text{NDF}: 3180.4/22$

+ sign -53.531 ± 0.049 $\chi^2/\text{NDF}: 10220.5/55$

All: -53.611 ± 0.035 $\chi^2/\text{NDF}: 23856.6/112$

- sign -53.697 ± 0.051 $\chi^2/\text{NDF}: 13630.6/56$

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -2.461 ± 0.110 χ^2/NDF : 1521.3/30

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -3.177 ± 0.110 χ^2/NDF : 3239.8/33

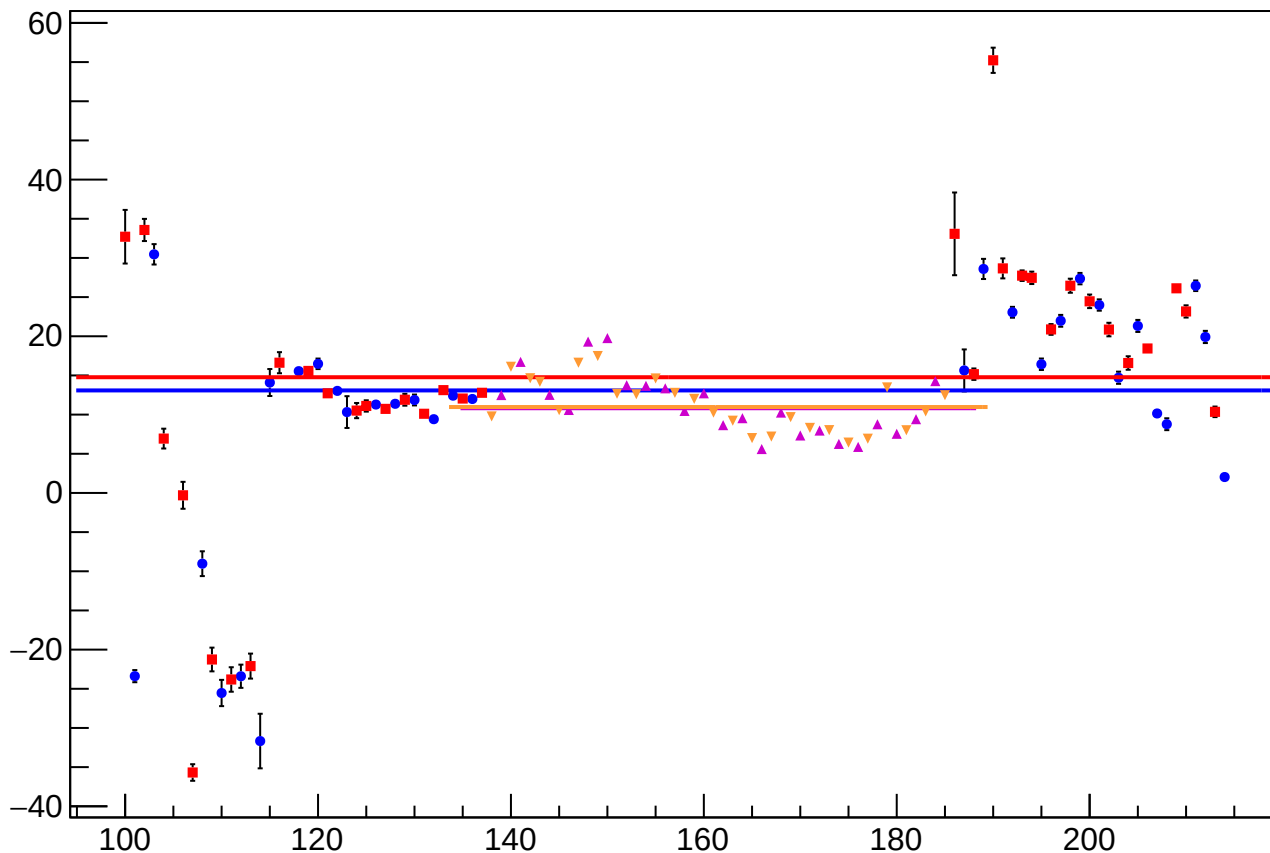
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.824 ± 0.058 χ^2/NDF : 6145.7/55

All: -5.135 ± 0.041 χ^2/NDF : 13427.3/112

- sign -5.454 ± 0.058 χ^2/NDF : 7222.3/56

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.087 $\pm$ 0.125 χ^2 /NDF: 6080.1/30

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 14.772 $\pm$ 0.127 χ^2 /NDF: 6913.3/33

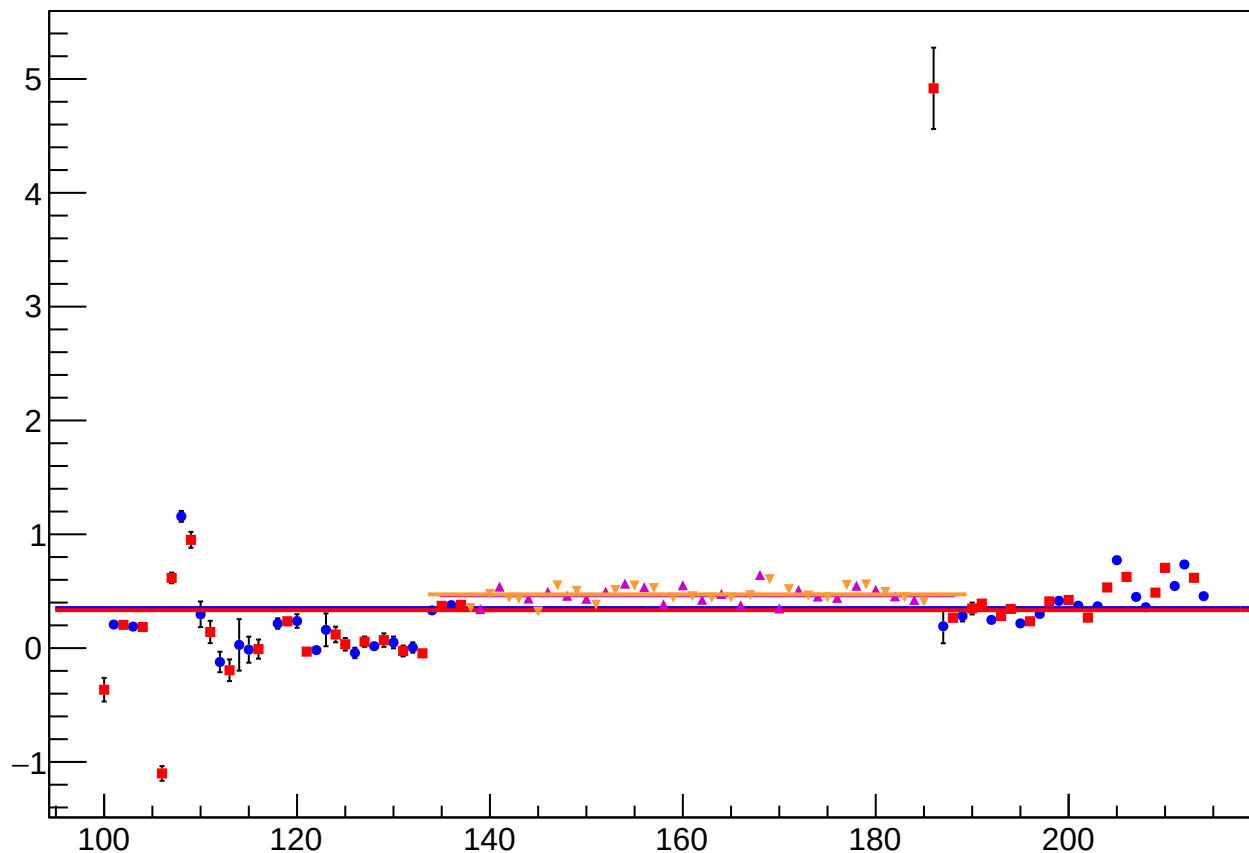
Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

+ sign 11.380 $\pm$ 0.055 χ^2 /NDF: 8950.3/55

All: 11.488 $\pm$ 0.039 χ^2 /NDF: 20200.0/112

- sign 11.600 $\pm$ 0.057 χ^2 /NDF: 11241.9/56

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.352 ± 0.005 χ^2/NDF : 1089.6/30

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.333 ± 0.006 χ^2/NDF : 1723.0/33

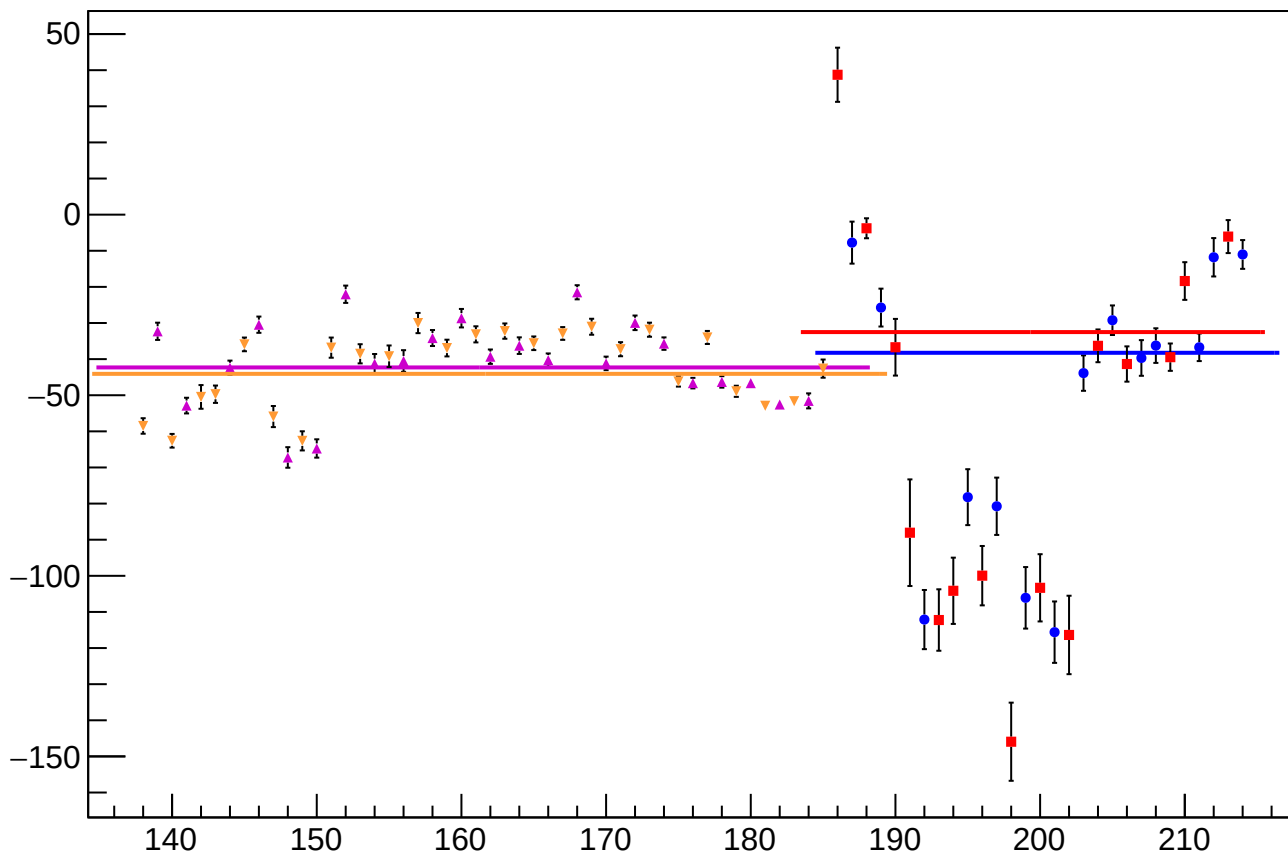
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.448 ± 0.002 χ^2/NDF : 1998.0/55

All: 0.443 ± 0.002 χ^2/NDF : 4905.5/112

- sign 0.438 ± 0.002 χ^2/NDF : 2900.0/56

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -38.248 ± 1.423 χ^2/NDF : 394.1/13

Left Out: -44.077 ± 0.389 χ^2/NDF : 632.6/24

Right Out: -32.513 ± 1.438 χ^2/NDF : 704.4/14

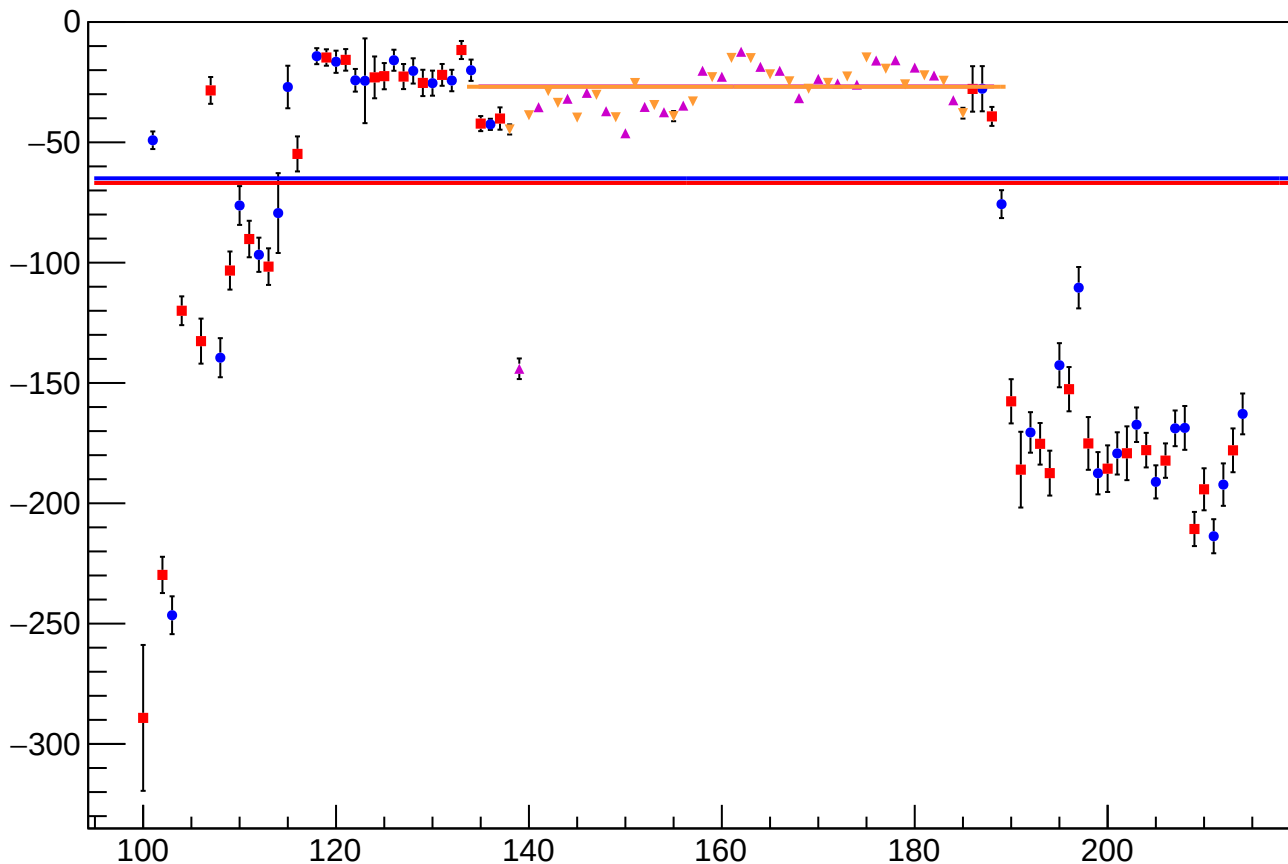
Left In: -42.304 ± 0.399 χ^2/NDF : 640.6/22

+ sign -43.673 ± 0.375 χ^2/NDF : 1042.3/38

All: -42.665 ± 0.268 χ^2/NDF : 2445.2/76

- sign -41.604 ± 0.385 χ^2/NDF : 1388.0/37

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -64.954 ± 1.010 $\chi^2/\text{NDF}: 3925.7/30$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -66.884 ± 1.043 $\chi^2/\text{NDF}: 3998.5/33$

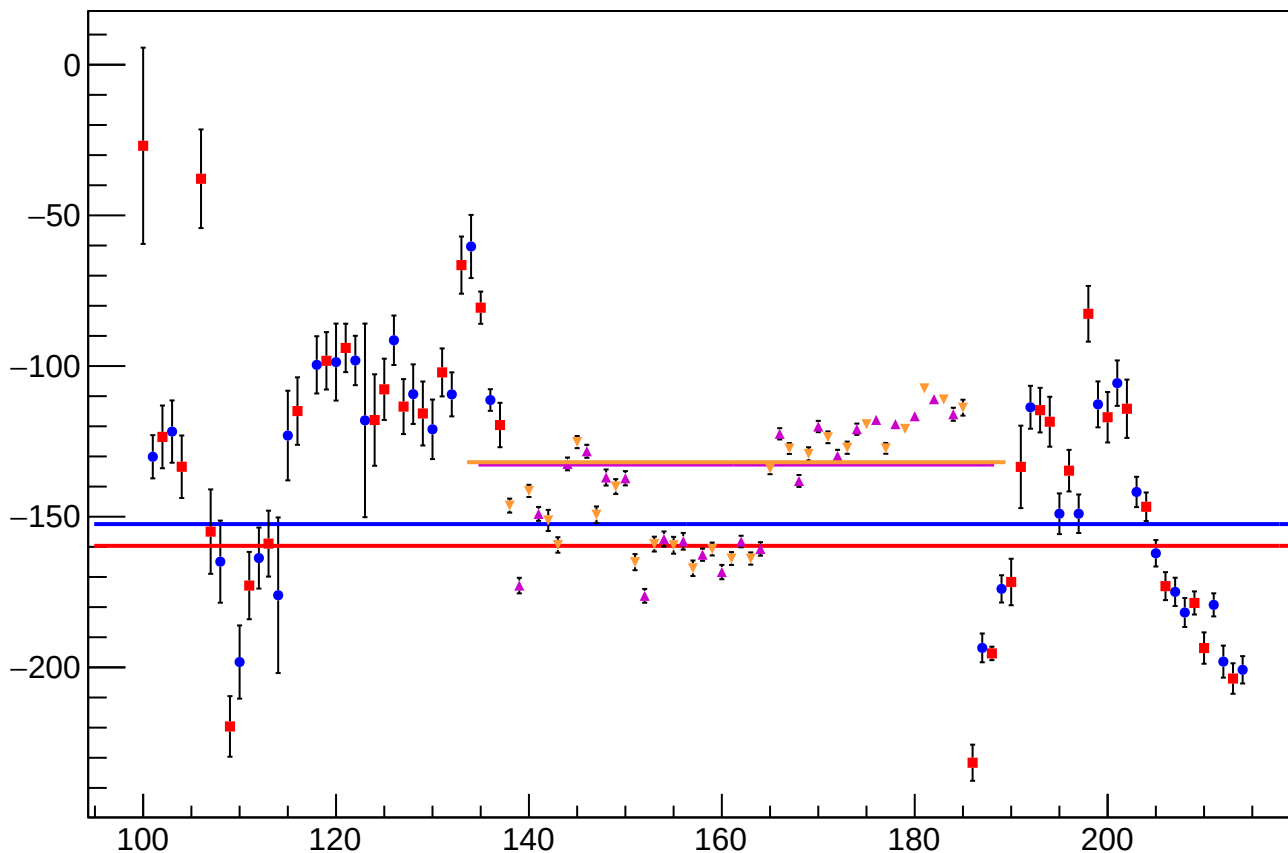
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -30.301 ± 0.302 $\chi^2/\text{NDF}: 5849.7/55$

All: -30.326 ± 0.217 $\chi^2/\text{NDF}: 12590.7/112$

- sign -30.352 ± 0.311 $\chi^2/\text{NDF}: 6741.0/56$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -152.450 ± 1.150 χ^2/NDF : 959.0/30

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -159.664 ± 1.132 χ^2/NDF : 1482.3/33

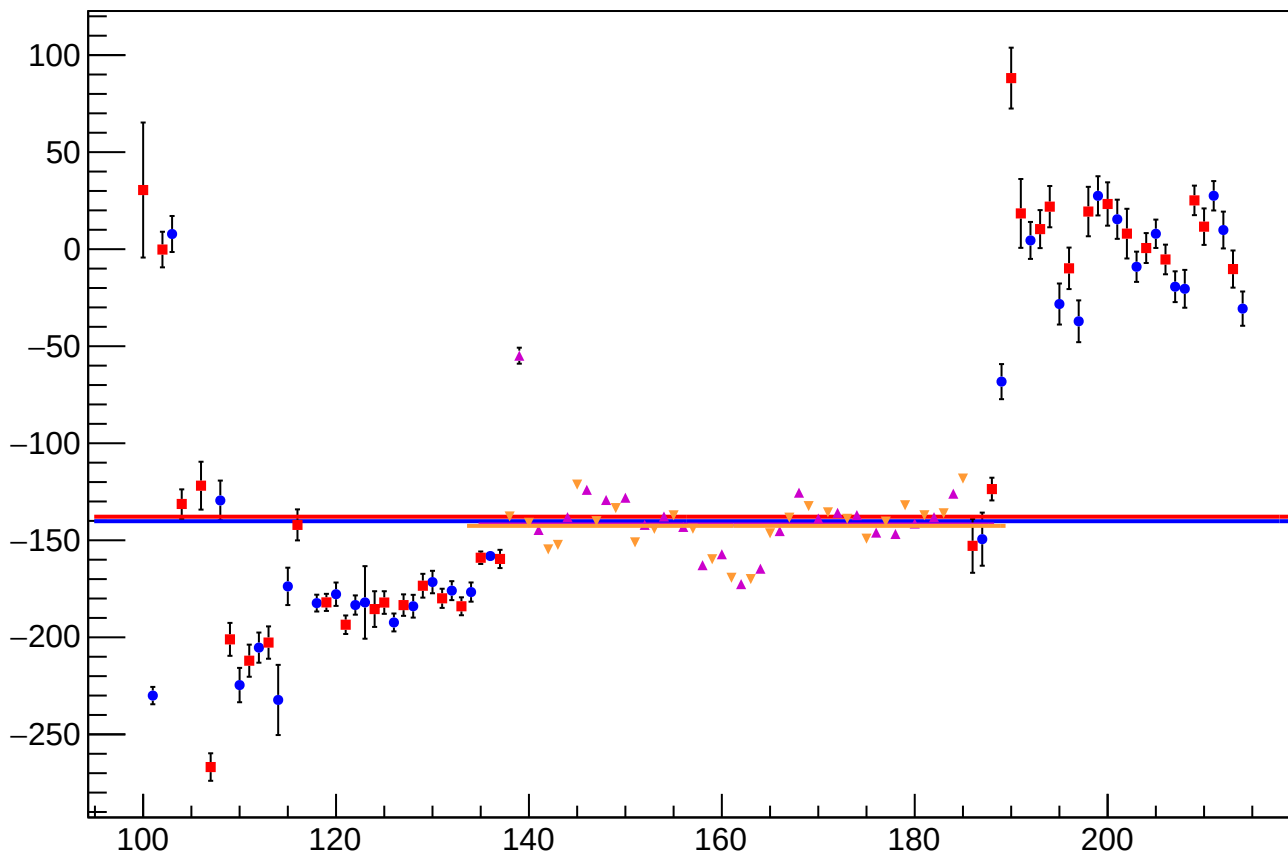
Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

+ sign -134.045 ± 0.371 χ^2/NDF : 3684.2/55

All: -134.848 ± 0.264 χ^2/NDF : 8161.4/112

- sign -135.677 ± 0.377 χ^2/NDF : 4467.7/56

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -140.163 ± 1.132 $\chi^2/\text{NDF}: 4436.0/30$

Left Out: -142.564 ± 0.354 $\chi^2/\text{NDF}: 1147.7/24$

Right Out: -137.841 ± 1.191 $\chi^2/\text{NDF}: 4332.0/33$

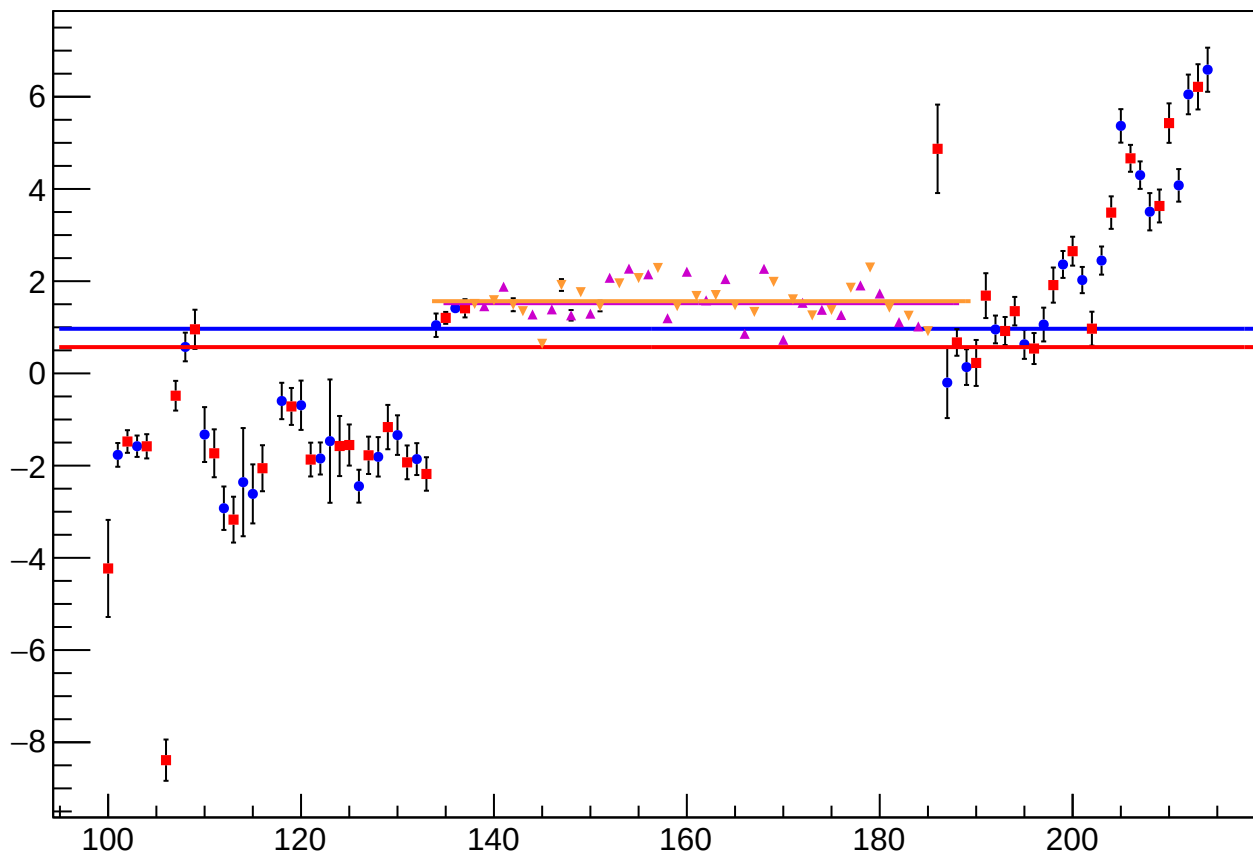
Left In: -141.856 ± 0.364 $\chi^2/\text{NDF}: 1544.3/22$

+ sign -142.350 ± 0.338 $\chi^2/\text{NDF}: 5587.8/55$

All: -141.944 ± 0.242 $\chi^2/\text{NDF}: 11477.5/112$

- sign -141.514 ± 0.348 $\chi^2/\text{NDF}: 5886.7/56$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.968 ± 0.055 χ^2/NDF : 1436.8/30

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.570 ± 0.057 χ^2/NDF : 1646.1/33

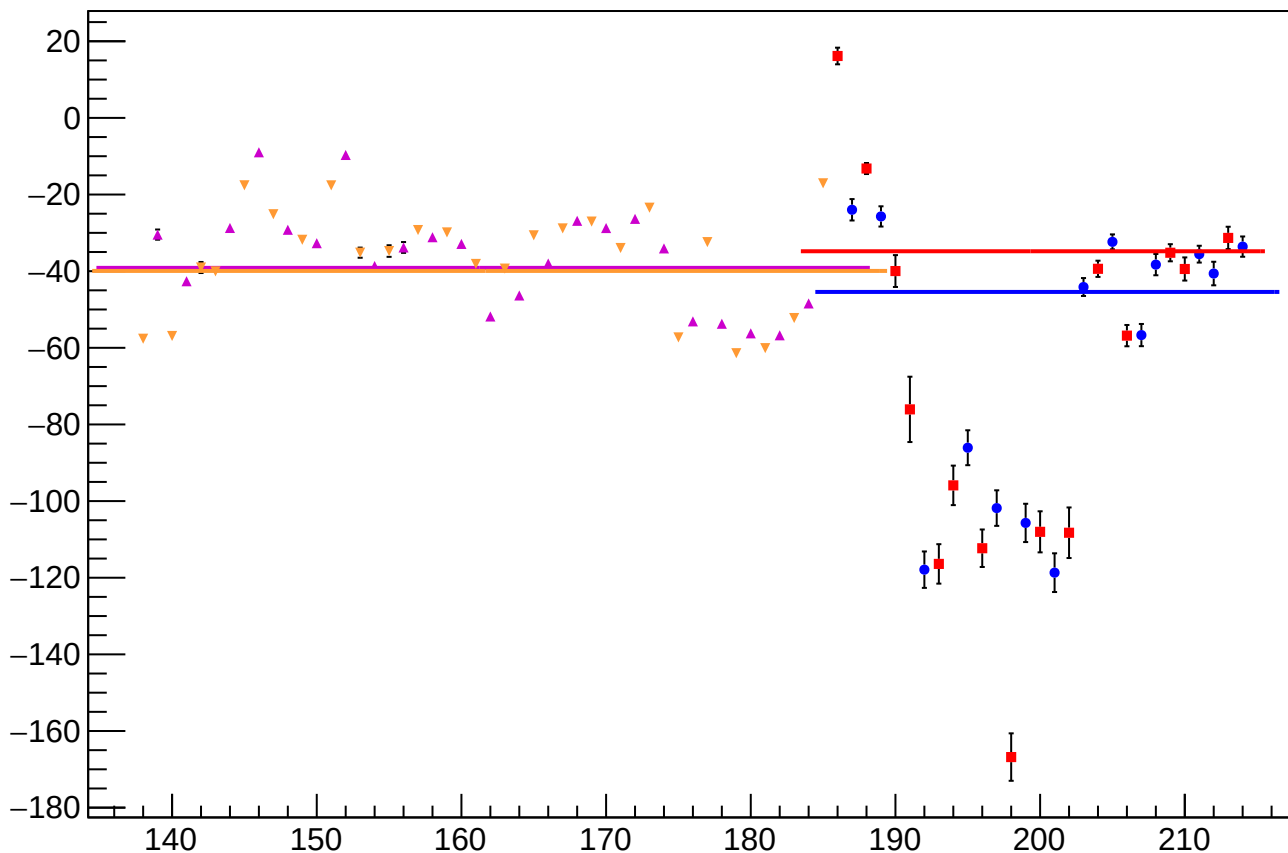
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.518 ± 0.016 χ^2/NDF : 2090.2/55

All: 1.484 ± 0.011 χ^2/NDF : 4743.5/112

- sign 1.449 ± 0.016 χ^2/NDF : 2643.6/56

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -45.417 ± 0.781 χ^2/NDF : 1039.6/13

Left Out: -39.935 ± 0.153 χ^2/NDF : 9806.5/24

Right Out: -34.803 ± 0.756 χ^2/NDF : 2279.4/14

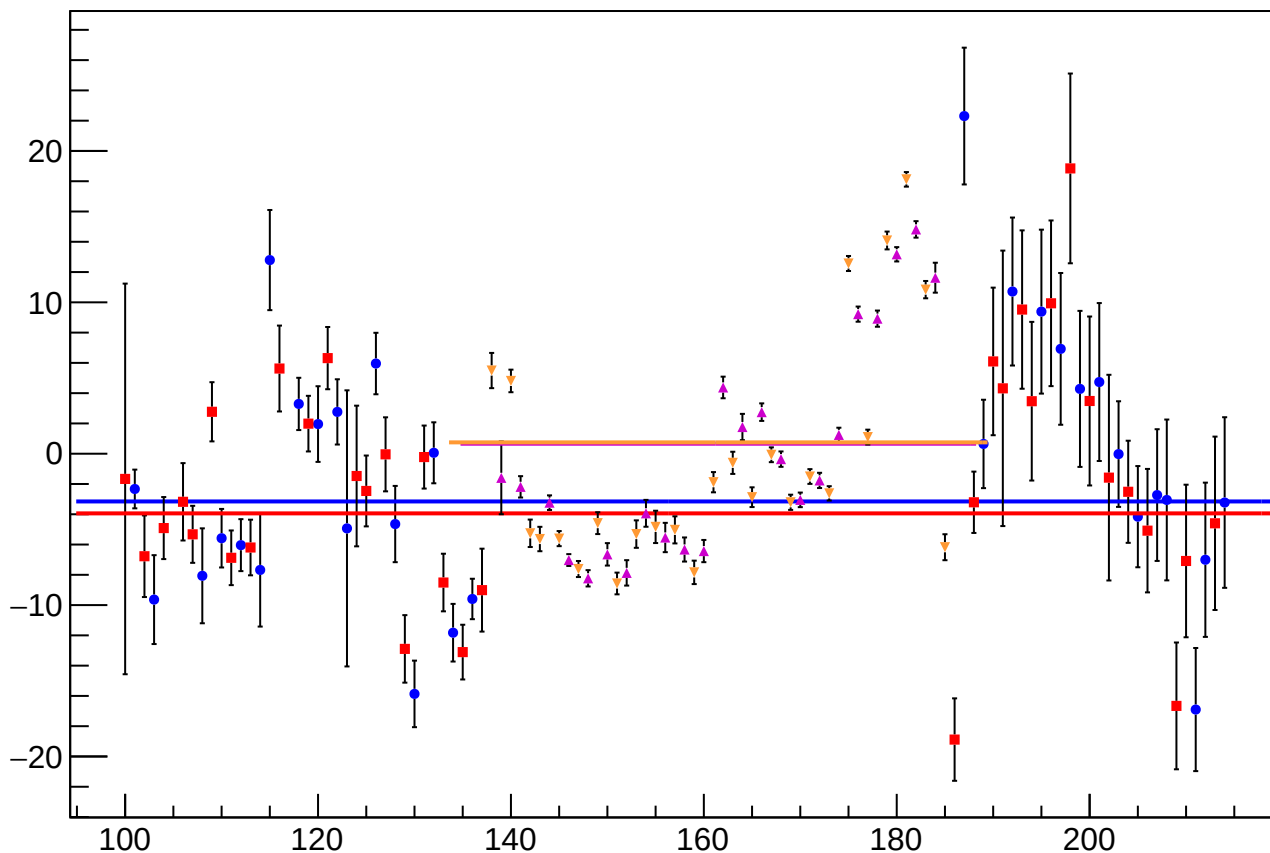
Left In: -39.137 ± 0.155 χ^2/NDF : 8534.5/22

+ sign -40.138 ± 0.150 χ^2/NDF : 10893.6/38

All: -39.555 ± 0.107 χ^2/NDF : 21769.3/76

- sign -38.963 ± 0.152 χ^2/NDF : 10845.4/37

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.153 ± 0.458 $\chi^2/\text{NDF}: 231.2/30$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.941 ± 0.458 $\chi^2/\text{NDF}: 197.4/33$

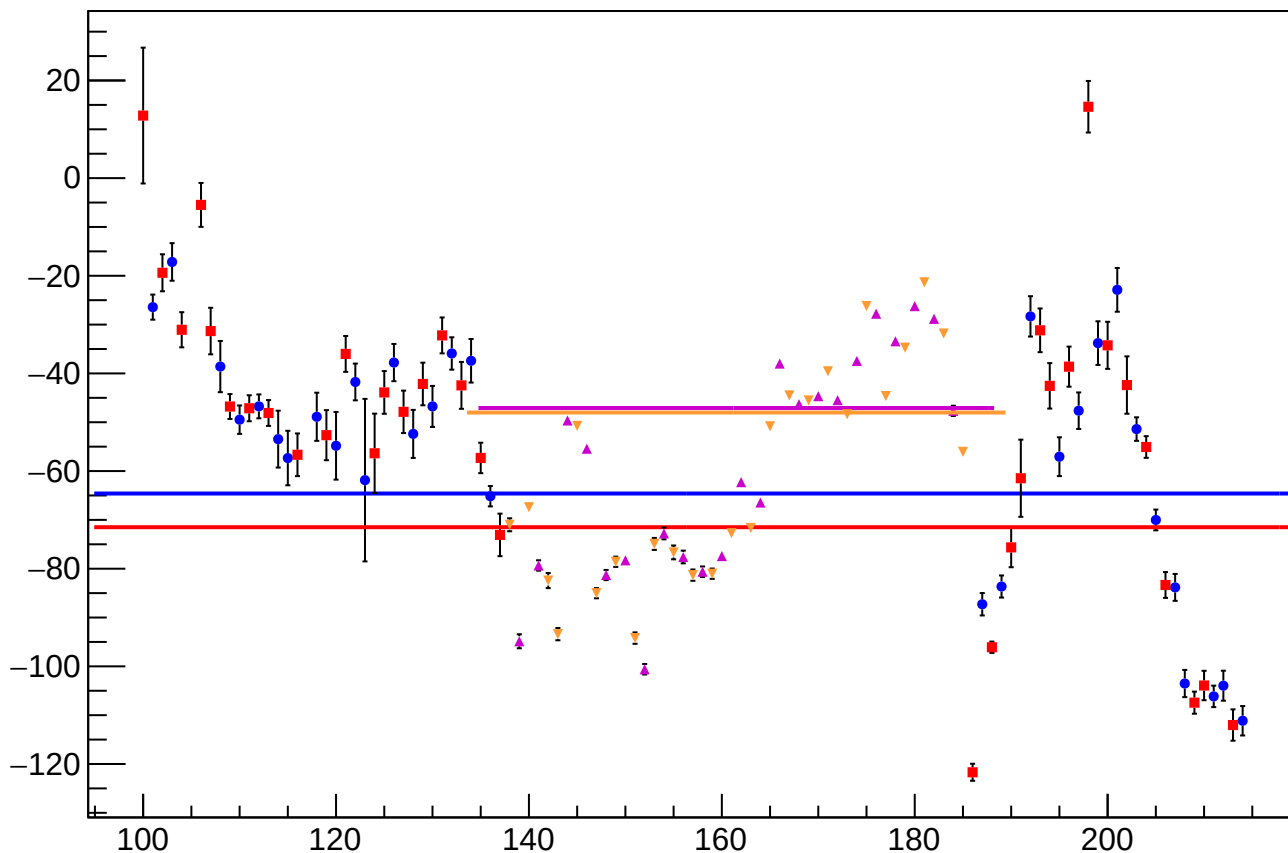
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.482 ± 0.120 $\chi^2/\text{NDF}: 4269.6/55$

All: 0.413 ± 0.085 $\chi^2/\text{NDF}: 7899.6/112$

- sign 0.344 ± 0.120 $\chi^2/\text{NDF}: 3629.4/56$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -64.599 ± 0.574 χ^2/NDF : 2161.9/30

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -71.498 ± 0.538 χ^2/NDF : 3719.0/33

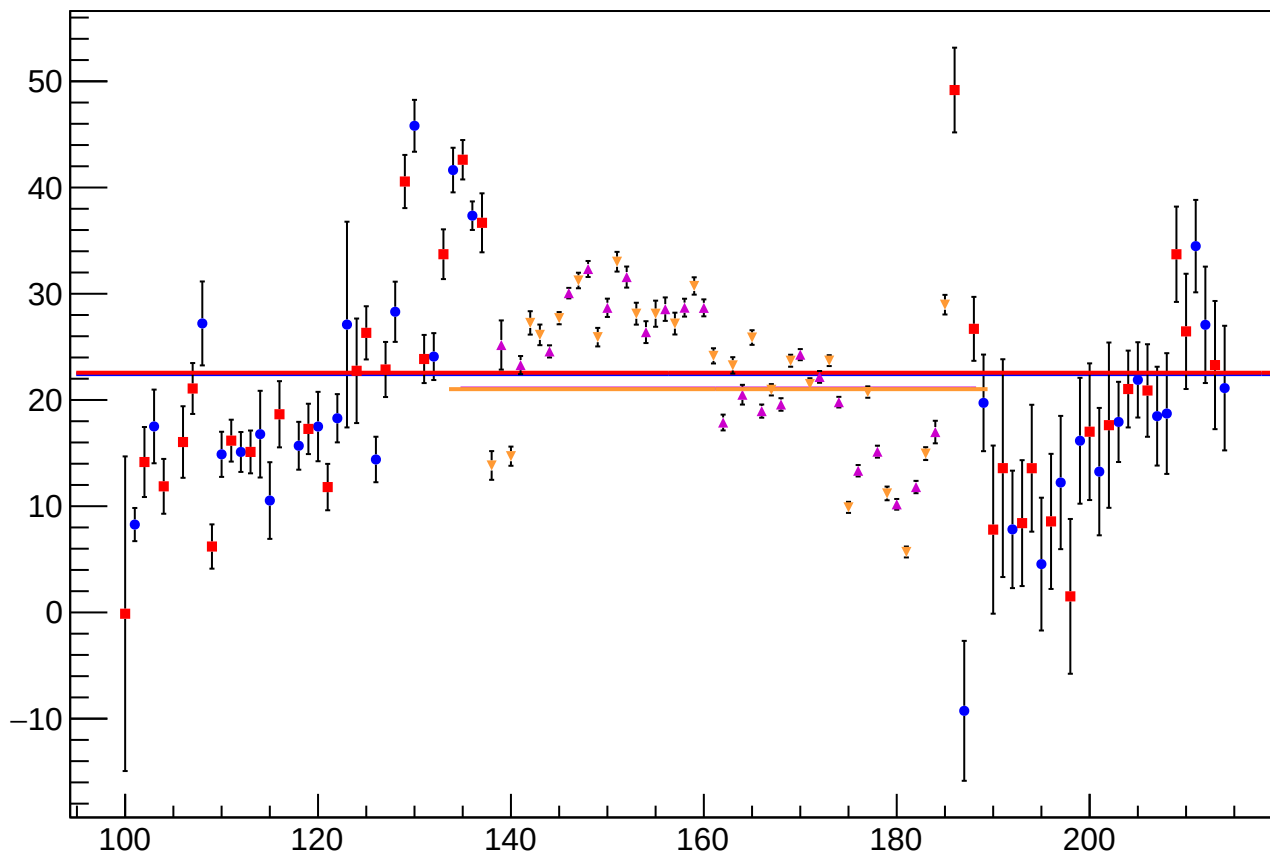
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -49.130 ± 0.149 χ^2/NDF : 19890.1/55

All: -49.047 ± 0.106 χ^2/NDF : 41025.6/112

- sign -48.964 ± 0.149 χ^2/NDF : 21135.0/56

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.435 $\pm$ 0.517 χ^2 /NDF: 514.6/30

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF: 2799.3/24

Right Out: 22.565 $\pm$ 0.526 χ^2 /NDF: 446.5/33

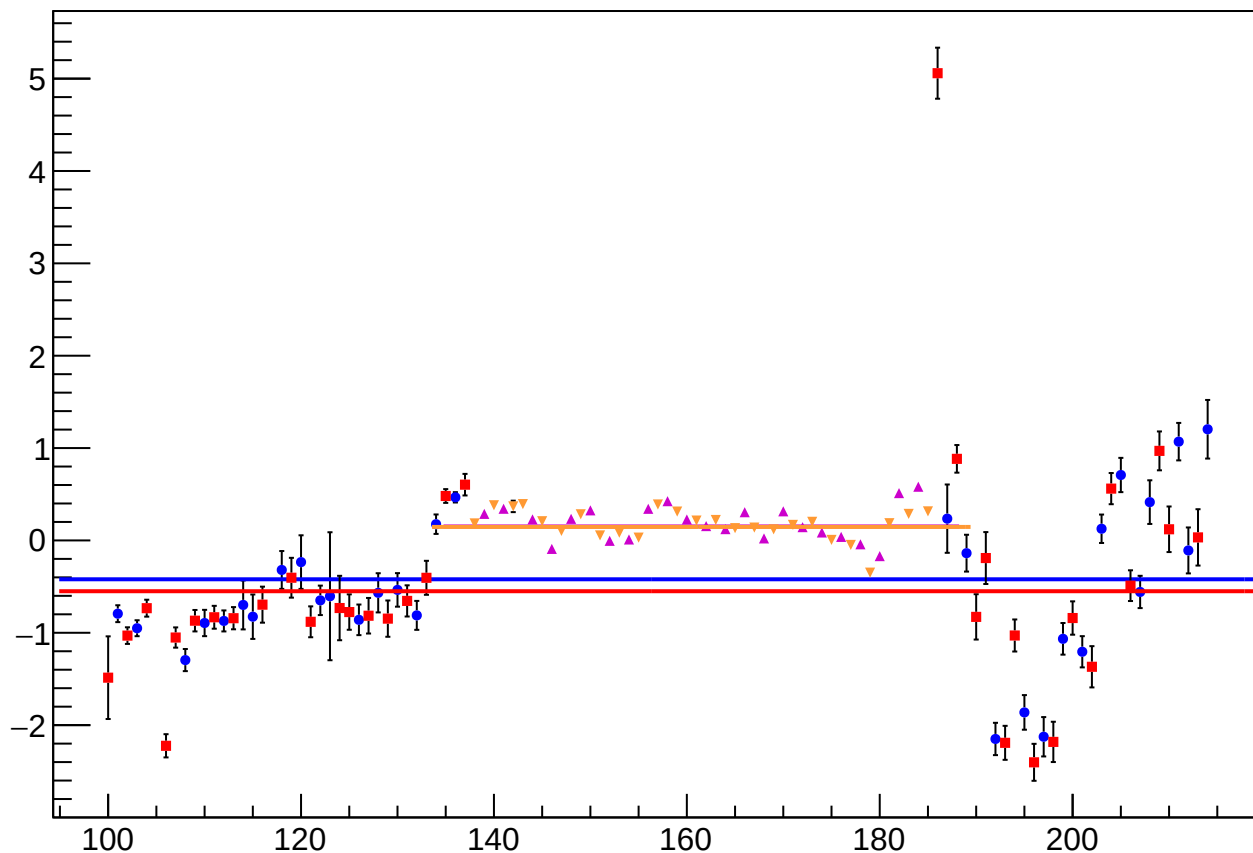
Left In: 21.079 $\pm$ 0.140 χ^2 /NDF: 2173.2/22

+ sign 21.115 $\pm$ 0.134 χ^2 /NDF: 3320.8/55

All: 21.146 $\pm$ 0.095 χ^2 /NDF: 5948.1/112

- sign 21.177 $\pm$ 0.135 χ^2 /NDF: 2627.2/56

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.421 ± 0.026 $\chi^2/\text{NDF}: 846.2/30$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.550 ± 0.026 $\chi^2/\text{NDF}: 1412.5/33$

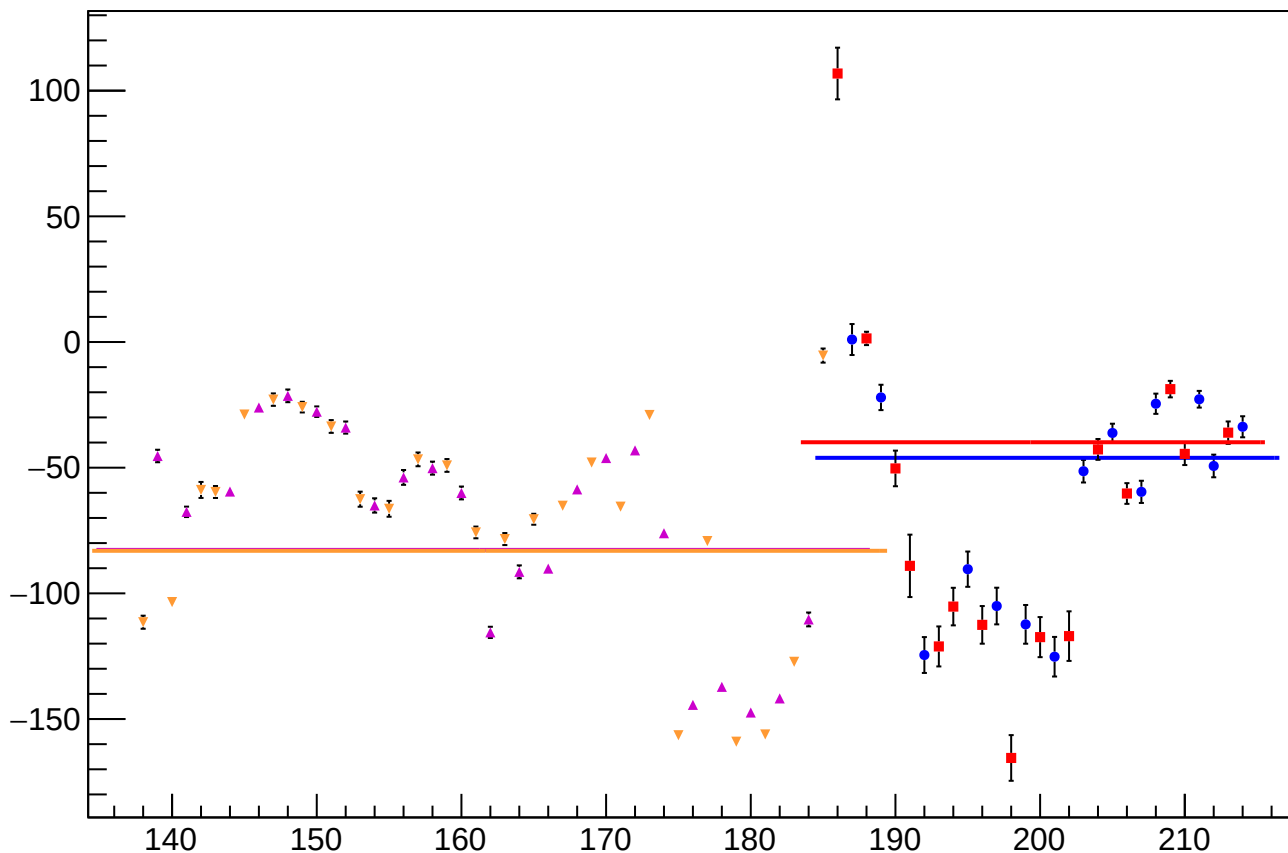
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.115 ± 0.006 $\chi^2/\text{NDF}: 1898.8/55$

All: 0.113 ± 0.004 $\chi^2/\text{NDF}: 4858.6/112$

- sign 0.112 ± 0.006 $\chi^2/\text{NDF}: 2959.6/56$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -46.079 ± 1.301 χ^2/NDF : 587.0/13

Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24

Right Out: -39.880 ± 1.315 χ^2/NDF : 1153.7/14

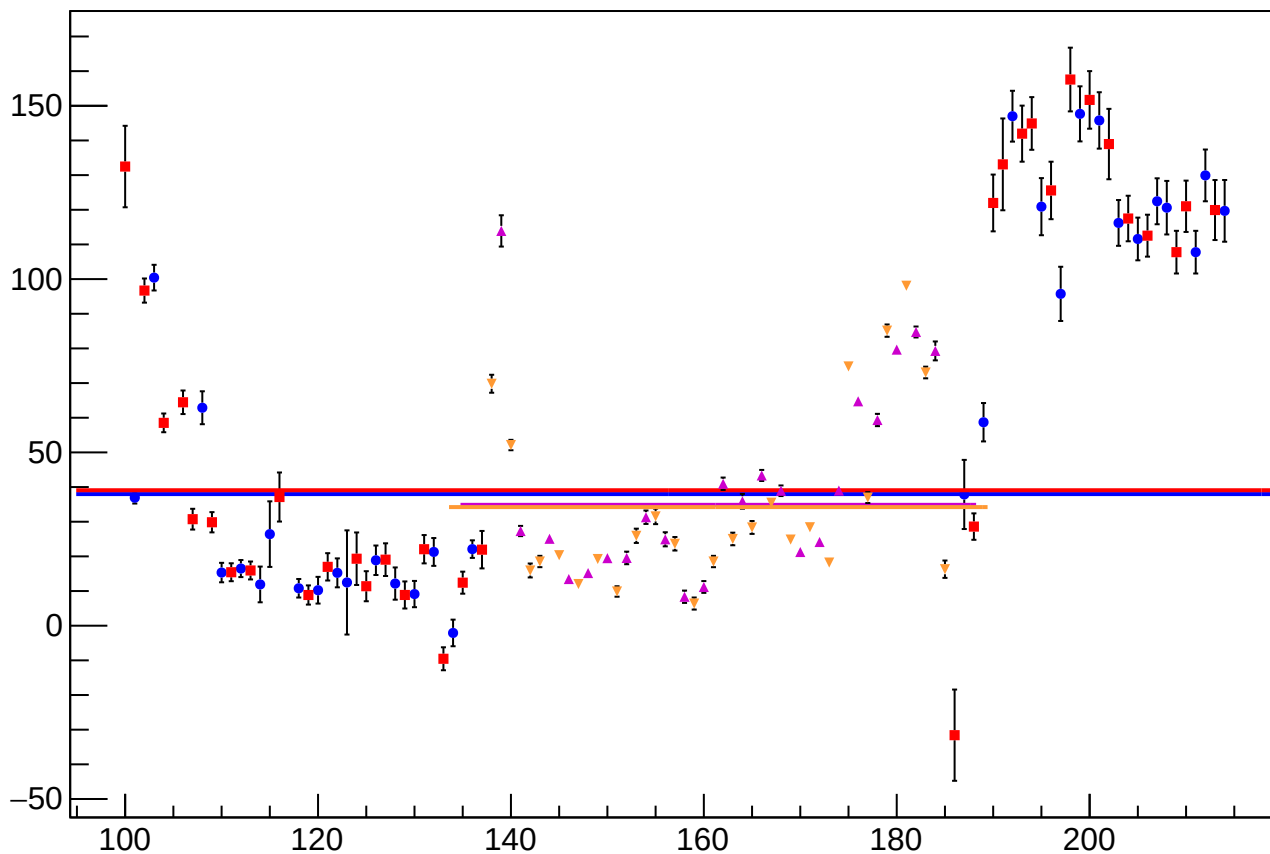
Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

+ sign -79.782 ± 0.388 χ^2/NDF : 15140.4/38

All: -79.315 ± 0.277 χ^2/NDF : 28103.5/76

- sign -78.828 ± 0.396 χ^2/NDF : 12960.2/37

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 37.972 ± 0.745 χ^2/NDF : 2623.3/30

Left Out: 34.219 ± 0.320 χ^2/NDF : 6192.6/24

Right Out: 39.082 ± 0.744 χ^2/NDF : 2939.6/33

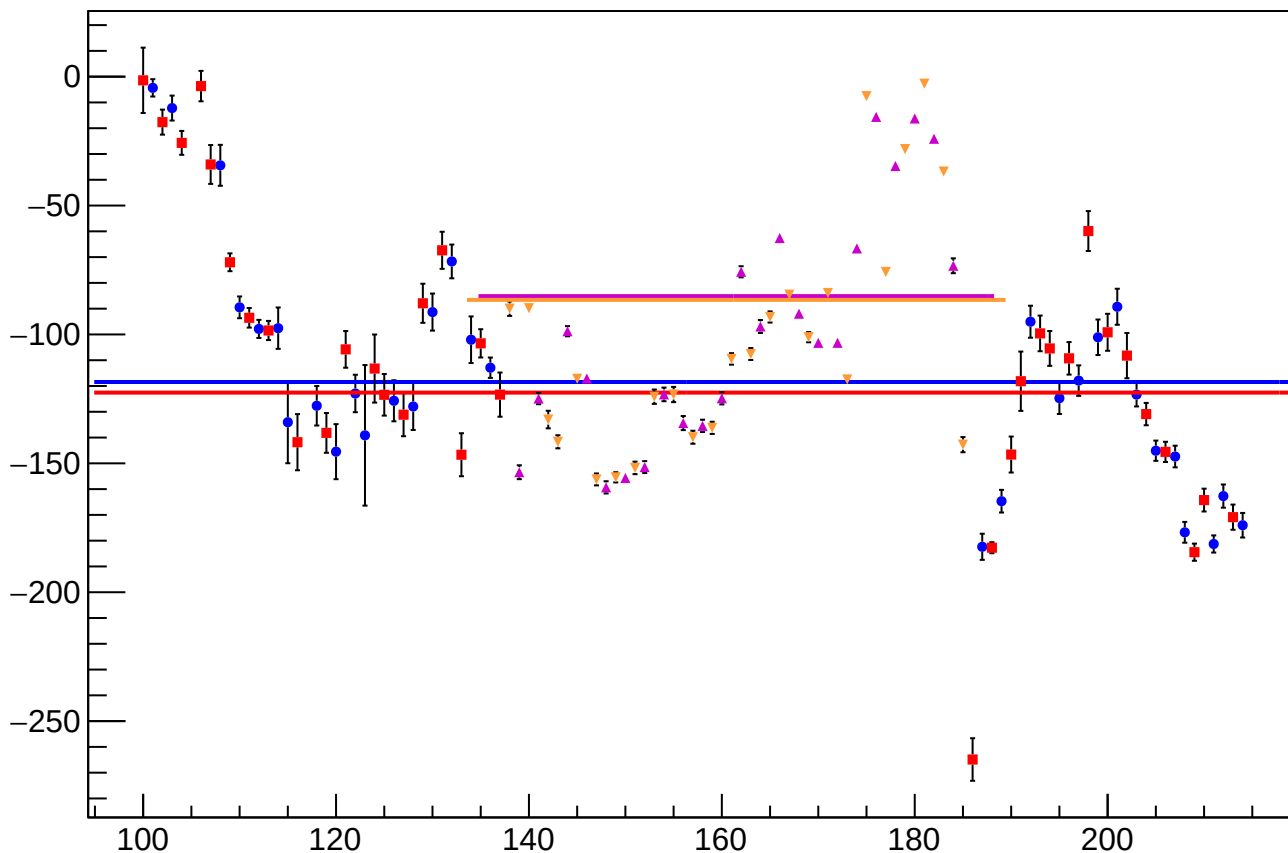
Left In: 34.870 ± 0.329 χ^2/NDF : 4716.1/22

+ sign 34.804 ± 0.294 χ^2/NDF : 8837.3/55

All: 35.173 ± 0.210 χ^2/NDF : 16523.1/112

- sign 35.560 ± 0.301 χ^2/NDF : 7682.6/56

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -118.445 ± 0.943 χ^2/NDF : 3113.8/30

Left Out: -86.595 ± 0.408 χ^2/NDF : 14515.7/24

Right Out: -122.562 ± 0.904 χ^2/NDF : 3737.9/33

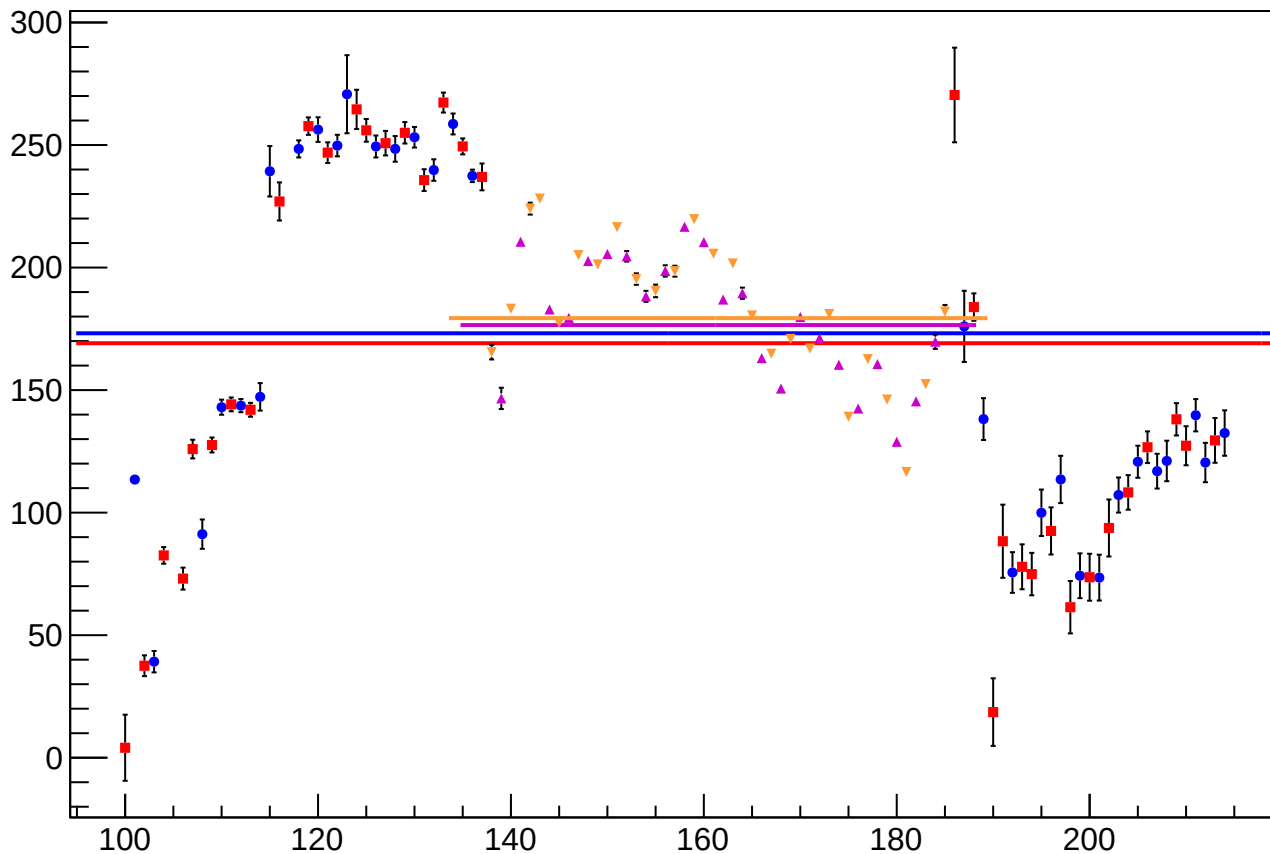
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -91.622 ± 0.375 χ^2/NDF : 18589.3/55

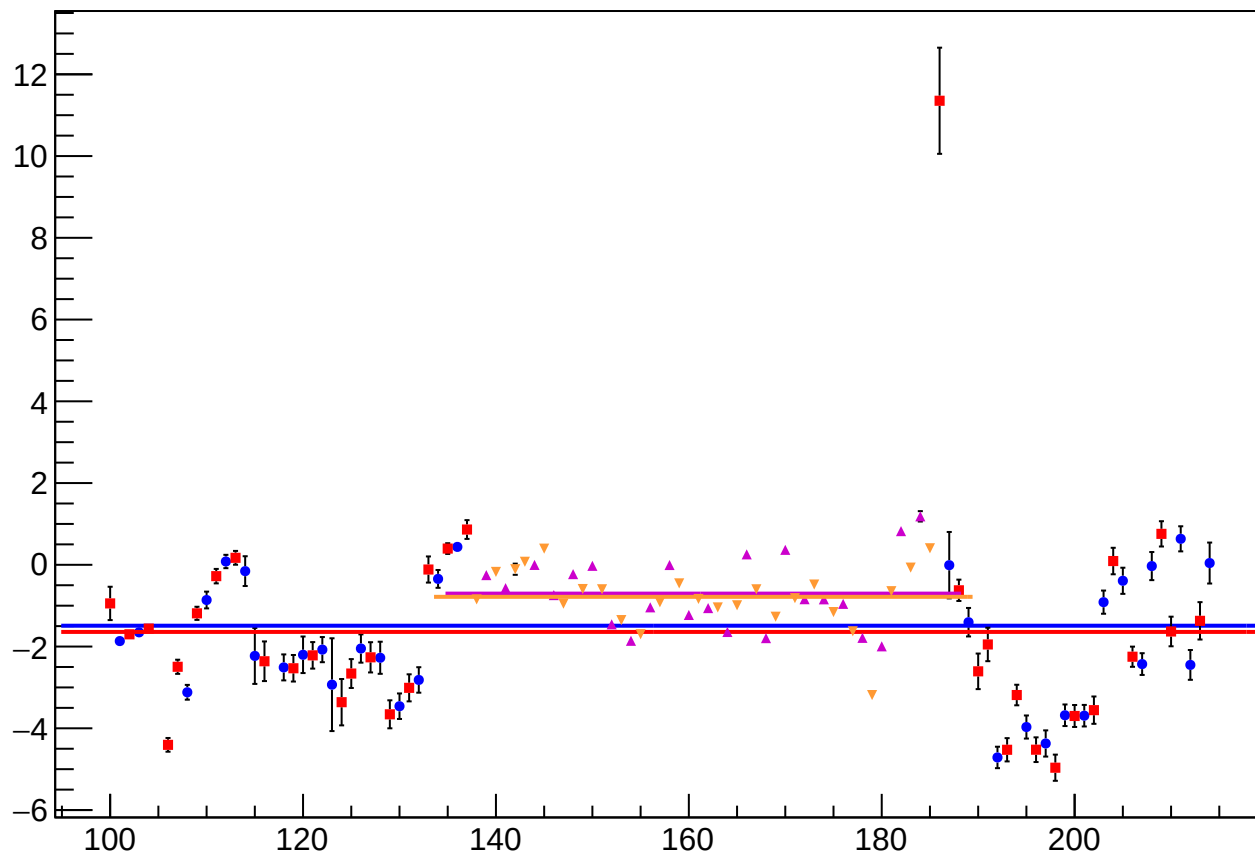
All: -91.638 ± 0.266 χ^2/NDF : 36585.1/112

- sign -91.653 ± 0.377 χ^2/NDF : 17995.8/56

reg_asym_sam4_diff_bpm4eY_slope vs Slug



reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.490 ± 0.042 χ^2/NDF : 1219.3/30

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.642 ± 0.040 χ^2/NDF : 1596.5/33

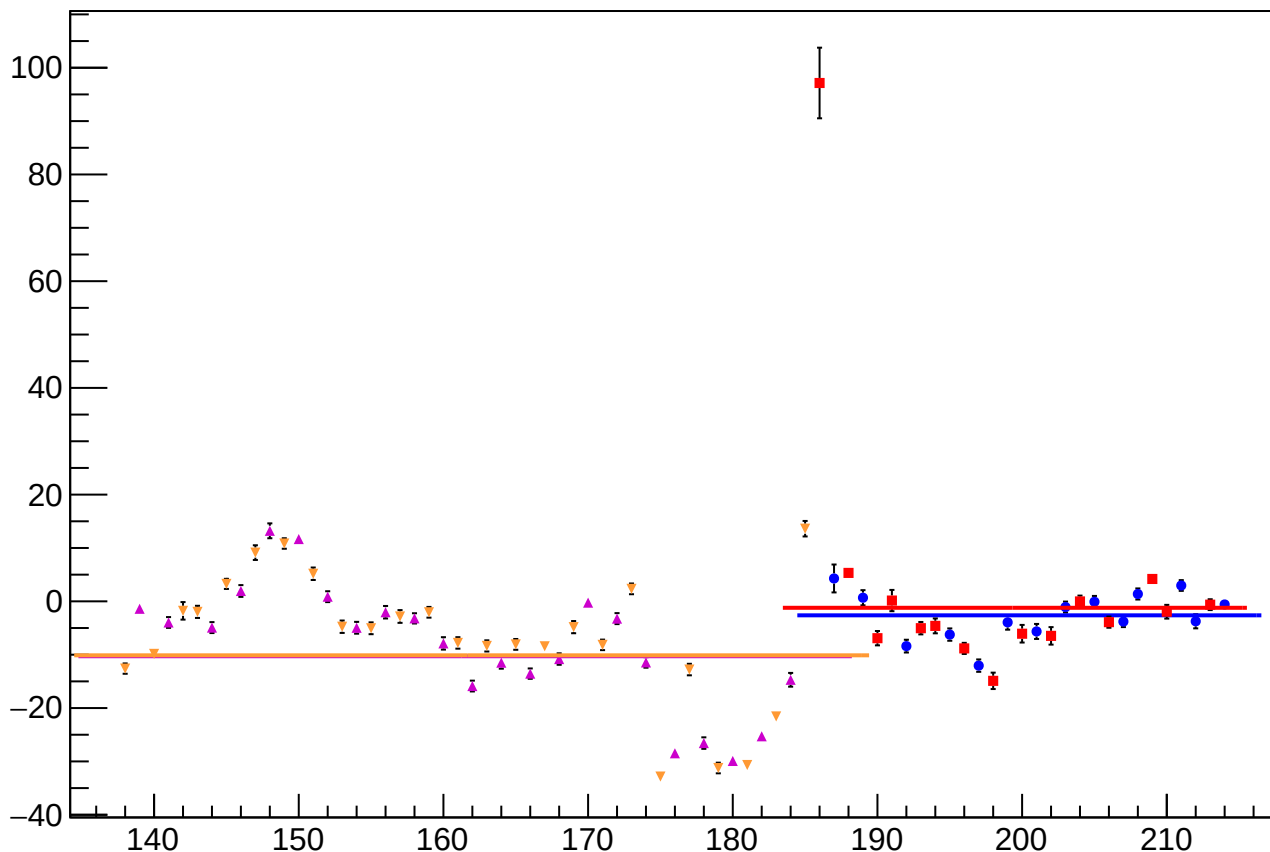
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.880 ± 0.015 χ^2/NDF : 3237.8/55

All: -0.863 ± 0.011 χ^2/NDF : 7708.4/112

- sign -0.847 ± 0.016 χ^2/NDF : 4468.3/56

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -2.622 ± 0.314 χ^2/NDF : 176.5/13

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.210 ± 0.298 χ^2/NDF : 558.5/14

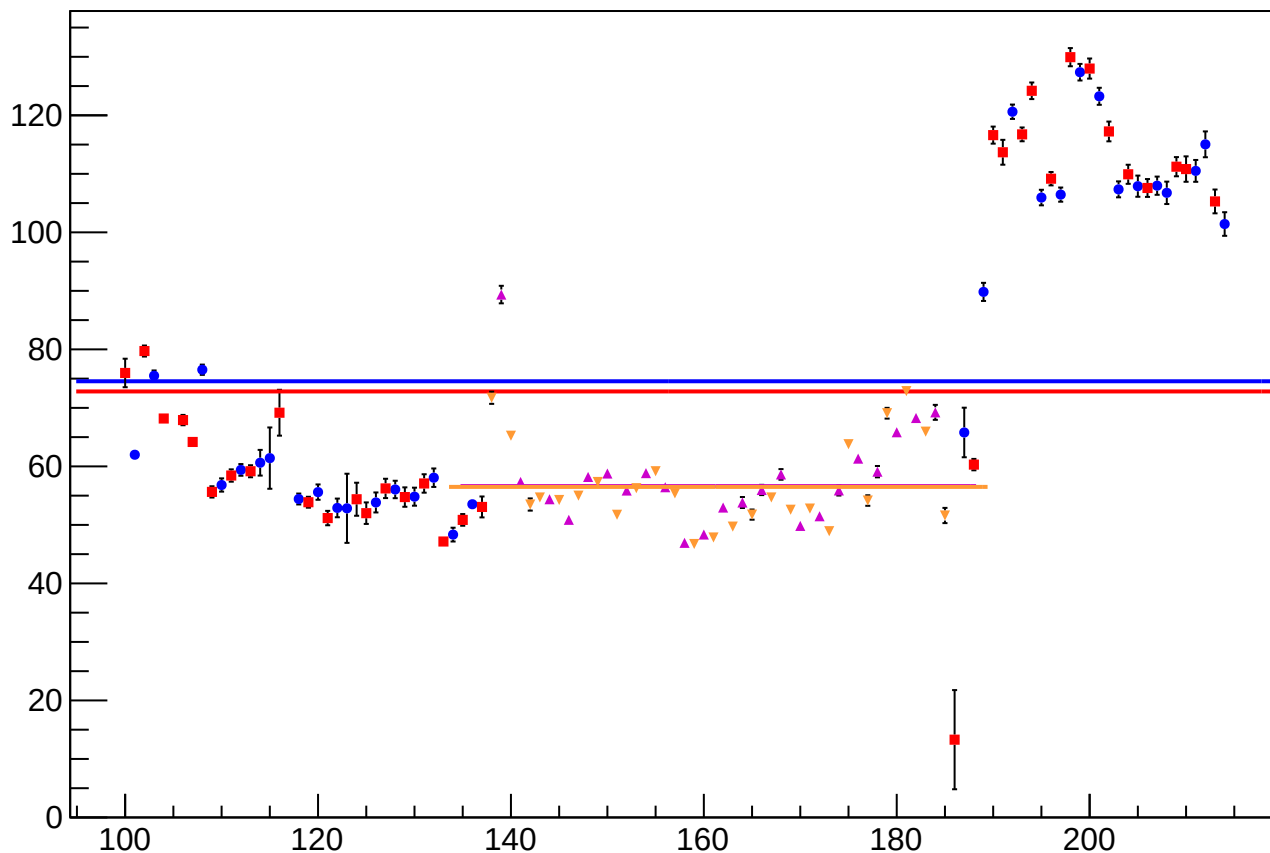
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -7.930 ± 0.169 χ^2/NDF : 4718.7/38

All: -7.650 ± 0.120 χ^2/NDF : 9362.0/76

- sign -7.370 ± 0.169 χ^2/NDF : 4637.8/37

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 74.549+/-0.223 χ^2/NDF : 11536.0/30

Left Out: 56.496+/-0.159 χ^2/NDF : 1968.0/24

Right Out: 72.809+/-0.210 χ^2/NDF : 14654.2/33

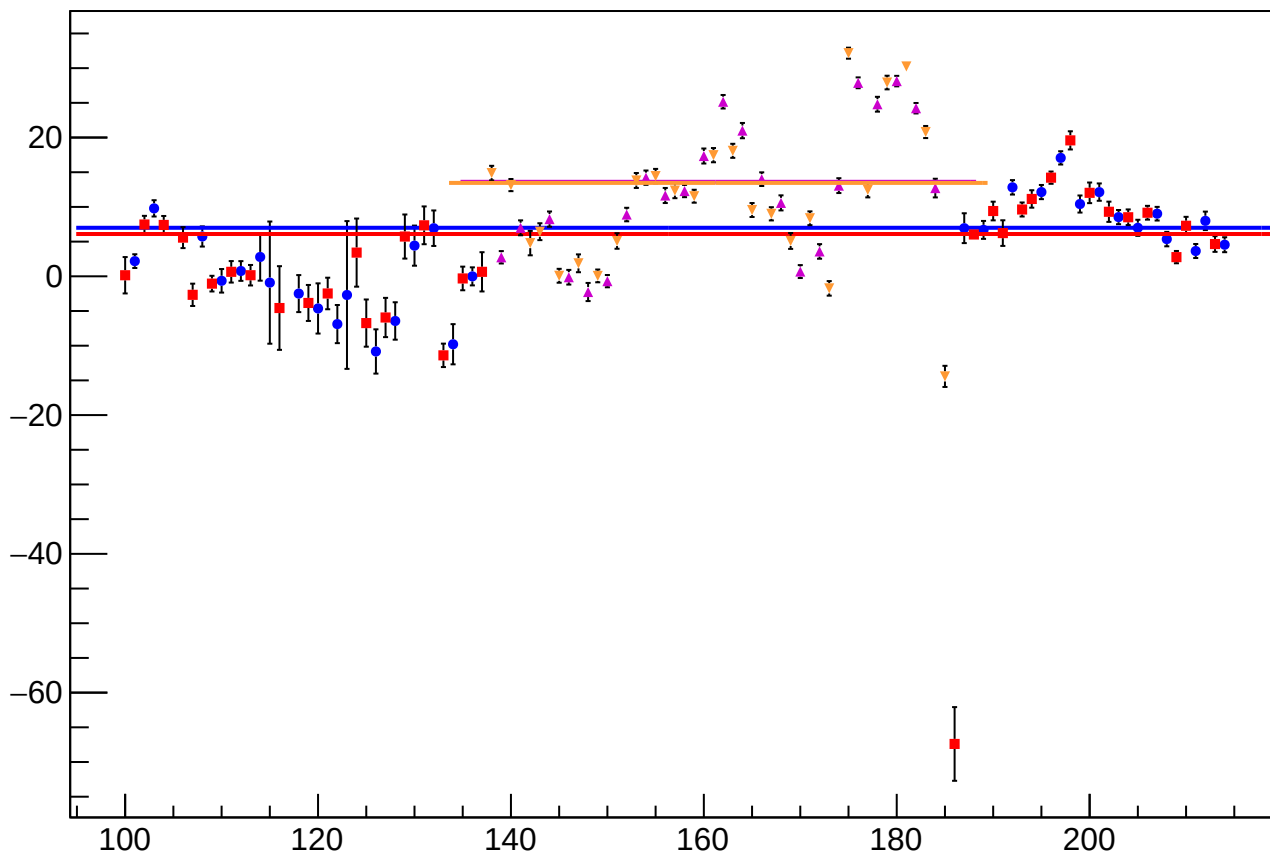
Left In: 56.635+/-0.165 χ^2/NDF : 1607.9/22

+ sign 62.561+/-0.129 χ^2/NDF : 17841.7/55

All: 62.693+/-0.092 χ^2/NDF : 37777.8/112

- sign 62.825+/-0.130 χ^2/NDF : 19934.0/56

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.995 ± 0.251 $\chi^2/\text{NDF}: 458.5/30$

Left Out: 13.462 ± 0.202 $\chi^2/\text{NDF}: 2736.3/24$

Right Out: 6.096 ± 0.230 $\chi^2/\text{NDF}: 763.8/33$

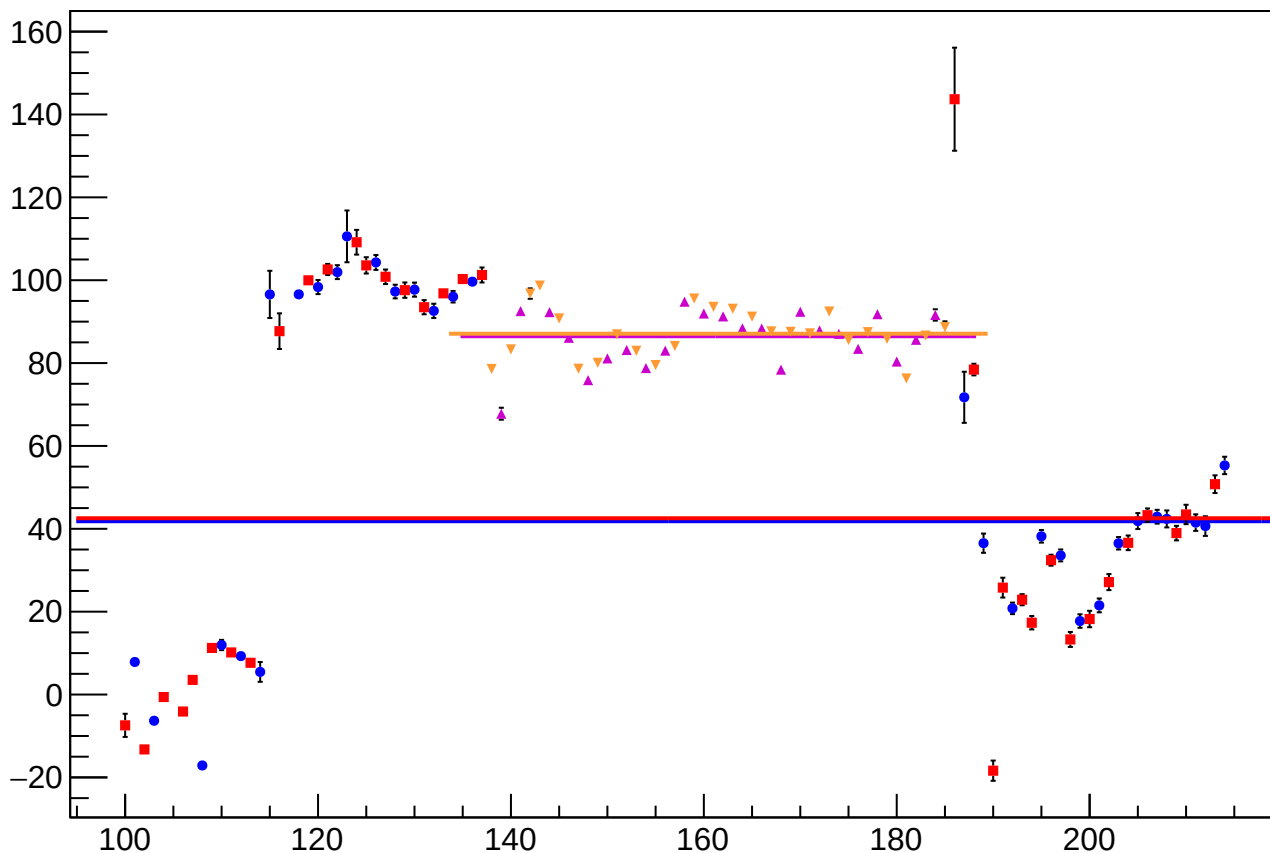
Left In: 13.620 ± 0.204 $\chi^2/\text{NDF}: 2315.4/22$

+ sign 10.926 ± 0.157 $\chi^2/\text{NDF}: 3598.8/55$

All: 10.600 ± 0.109 $\chi^2/\text{NDF}: 7285.4/112$

- sign 10.291 ± 0.153 $\chi^2/\text{NDF}: 3678.3/56$

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 41.834 $\pm$ 0.257 χ^2 /NDF: 25513.1/30

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 42.547 $\pm$ 0.246 χ^2 /NDF: 30776.2/33

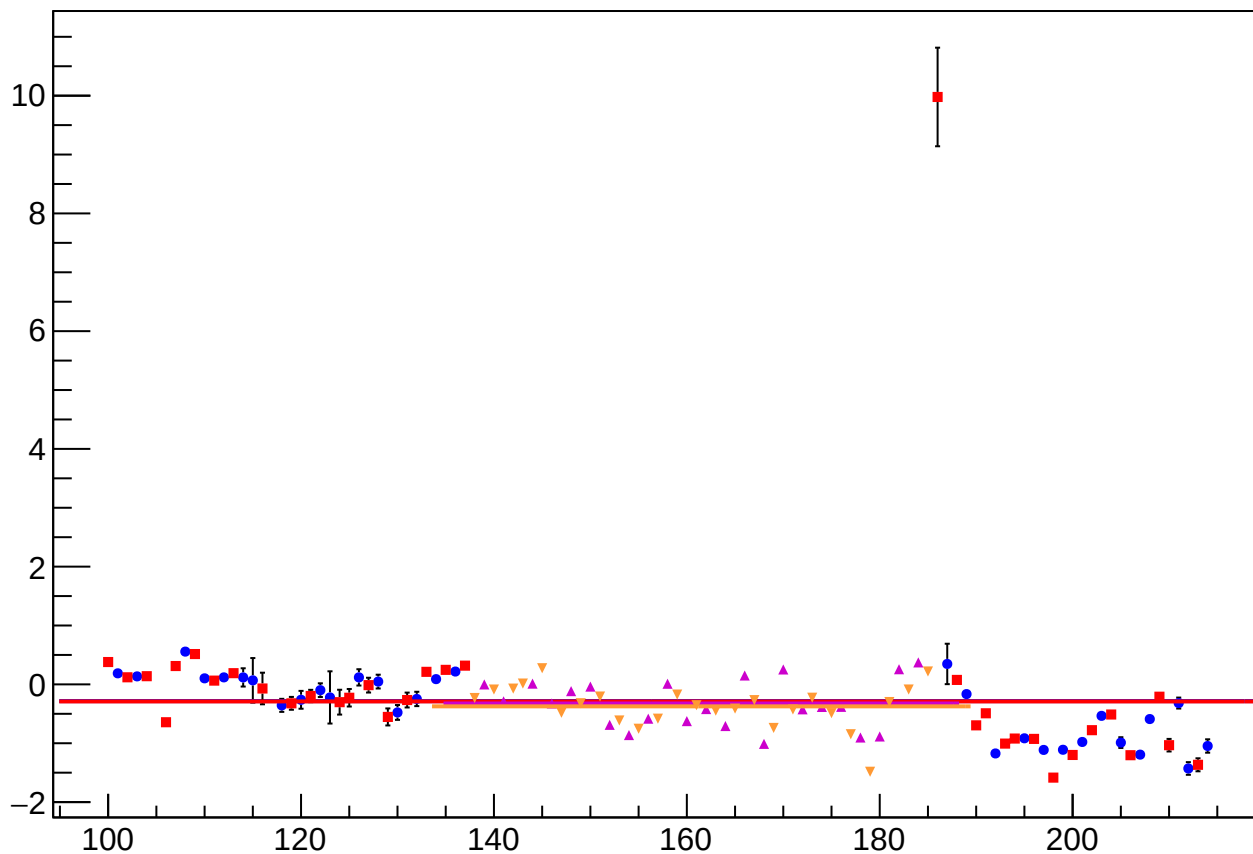
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 72.327 $\pm$ 0.147 χ^2 /NDF: 47426.8/55

All: 71.489 $\pm$ 0.104 χ^2 /NDF: 99688.0/112

- sign 70.644 $\pm$ 0.148 χ^2 /NDF: 52196.0/56

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.284 ± 0.011 χ^2/NDF : 3354.9/30

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.290 ± 0.010 χ^2/NDF : 3703.8/33

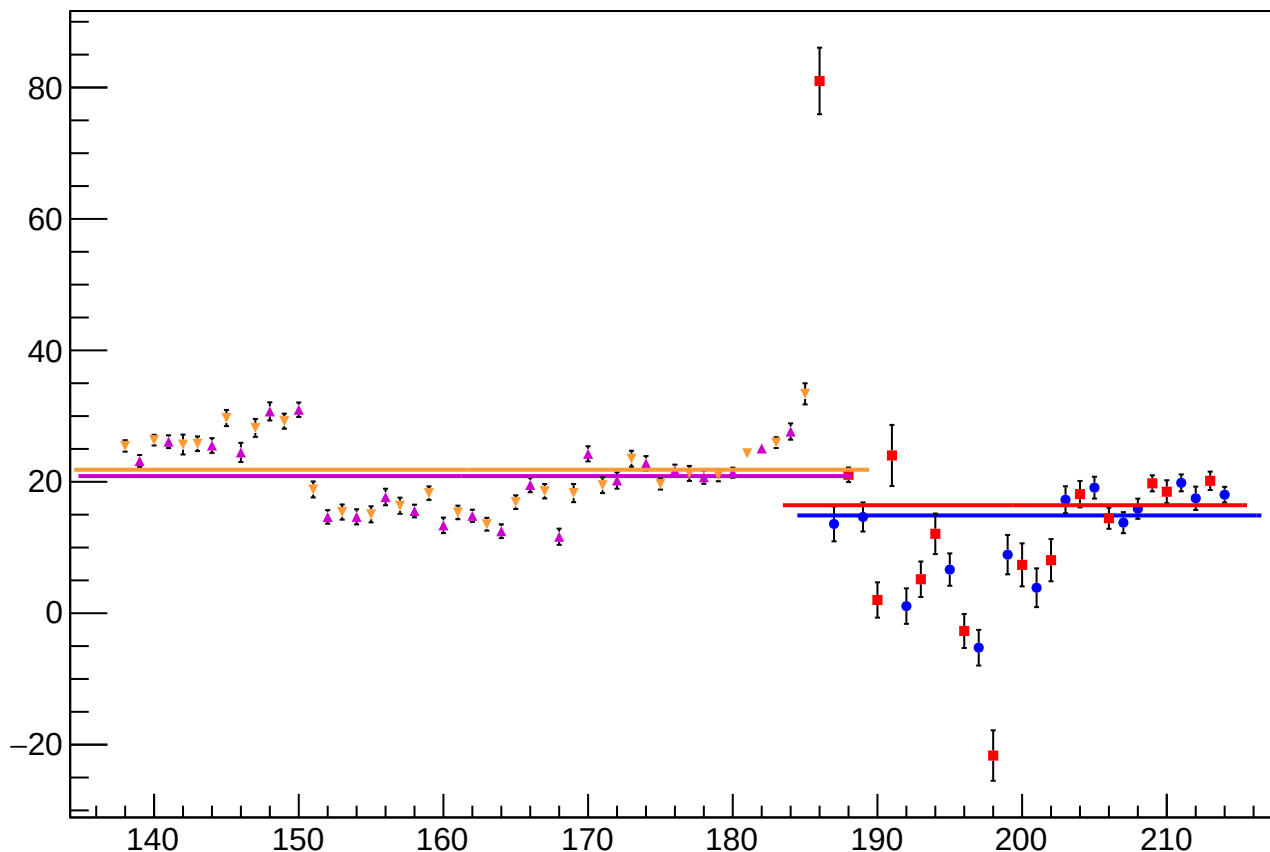
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.341 ± 0.006 χ^2/NDF : 5067.8/55

All: -0.325 ± 0.005 χ^2/NDF : 11074.0/112

- sign -0.311 ± 0.006 χ^2/NDF : 5995.5/56

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 14.879 $\pm$ 0.497 χ^2 /NDF: 143.1/13

Left Out: 21.836 $\pm$ 0.210 χ^2 /NDF: 524.3/24

Right Out: 16.435 $\pm$ 0.511 χ^2 /NDF: 416.6/14

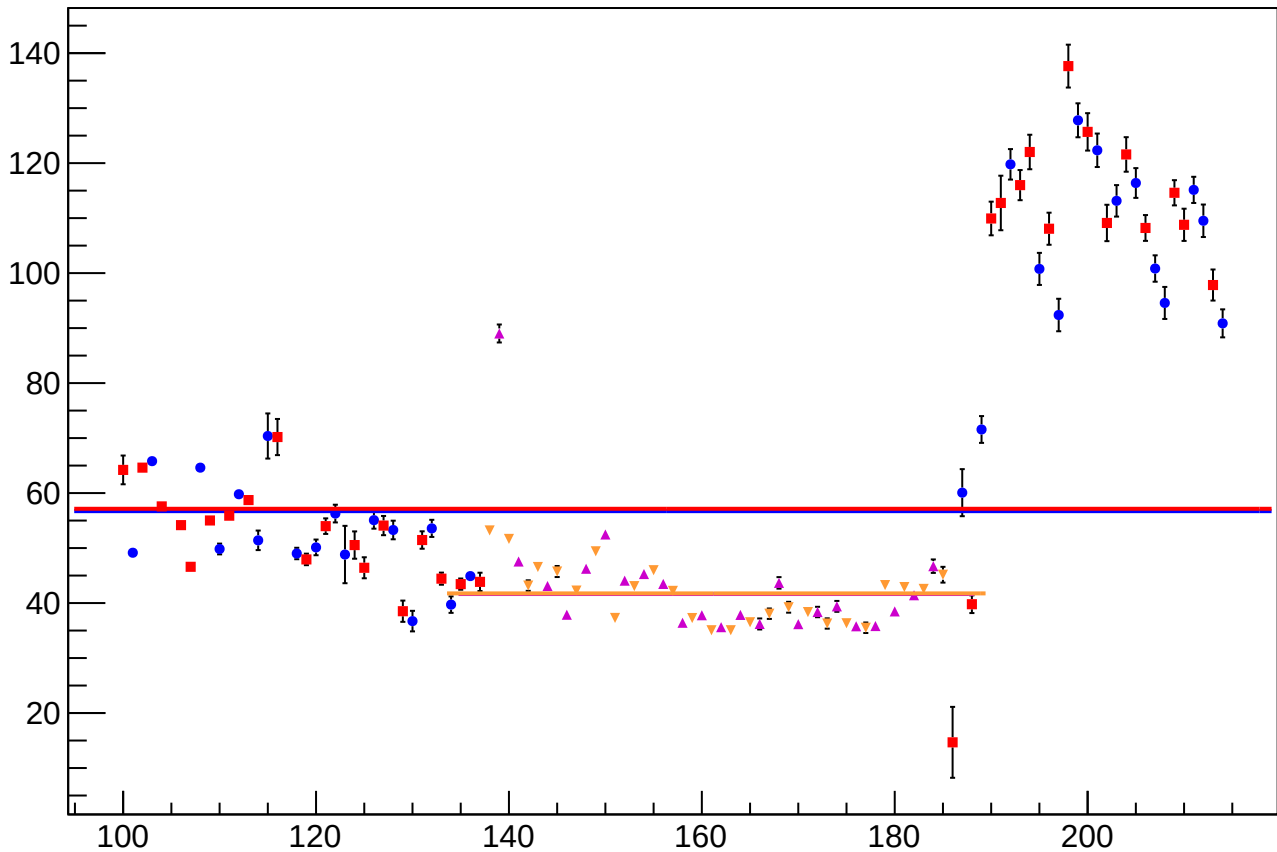
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 20.785 $\pm$ 0.193 χ^2 /NDF: 833.7/38

All: 20.496 $\pm$ 0.139 χ^2 /NDF: 1895.6/76

- sign 20.190 $\pm$ 0.199 χ^2 /NDF: 1057.3/37

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.713 $\pm$ 0.203 χ^2 /NDF: 5915.7/30

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF: 1015.7/24

Right Out: 57.144 $\pm$ 0.217 χ^2 /NDF: 6059.5/33

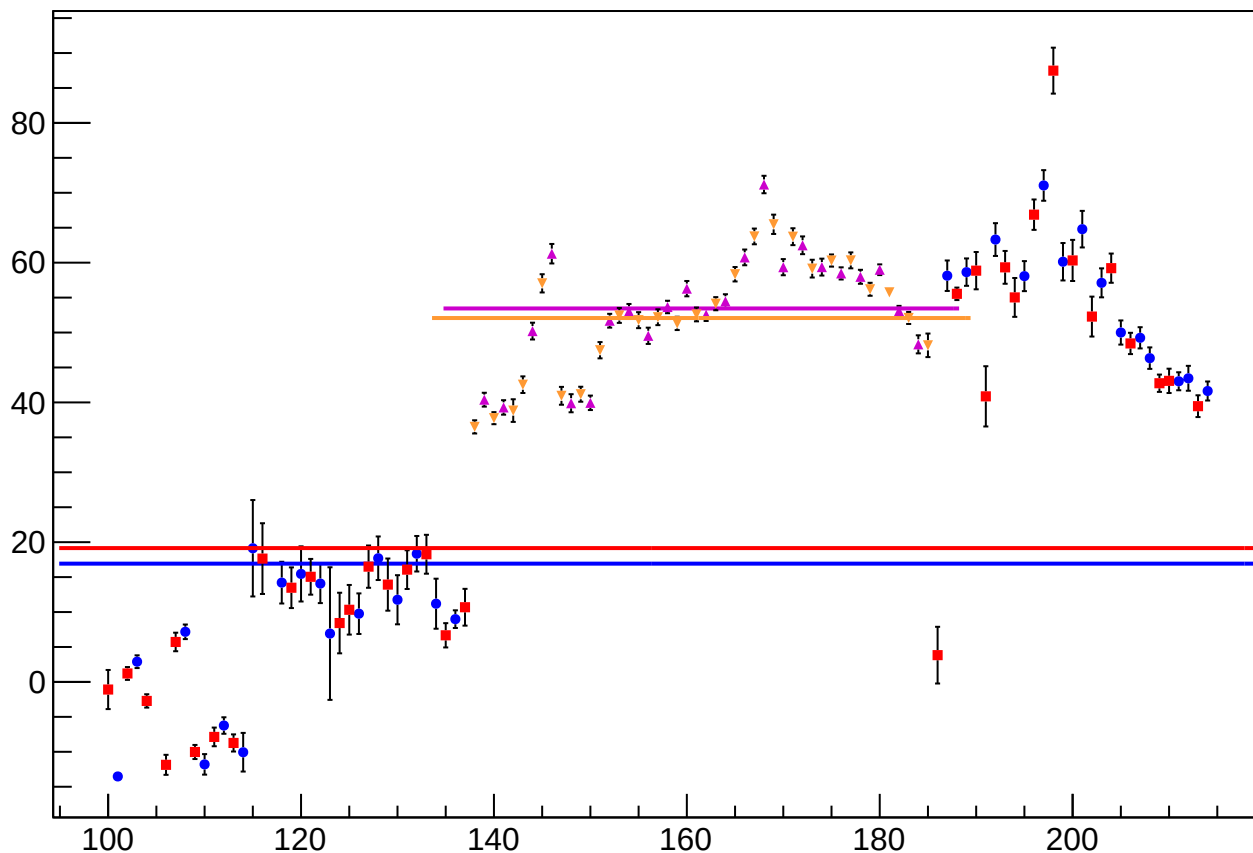
Left In: 41.643 $\pm$ 0.174 χ^2 /NDF: 1611.0/22

+ sign 47.719 $\pm$ 0.128 χ^2 /NDF: 10192.2/55

All: 47.716 $\pm$ 0.093 χ^2 /NDF: 20977.9/112

- sign 47.712 $\pm$ 0.136 χ^2 /NDF: 10785.7/56

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 16.927 ± 0.292 $\chi^2/\text{NDF}: 8936.1/30$

Left Out: 52.076 ± 0.210 $\chi^2/\text{NDF}: 1450.9/24$

Right Out: 19.153 ± 0.296 $\chi^2/\text{NDF}: 8458.0/33$

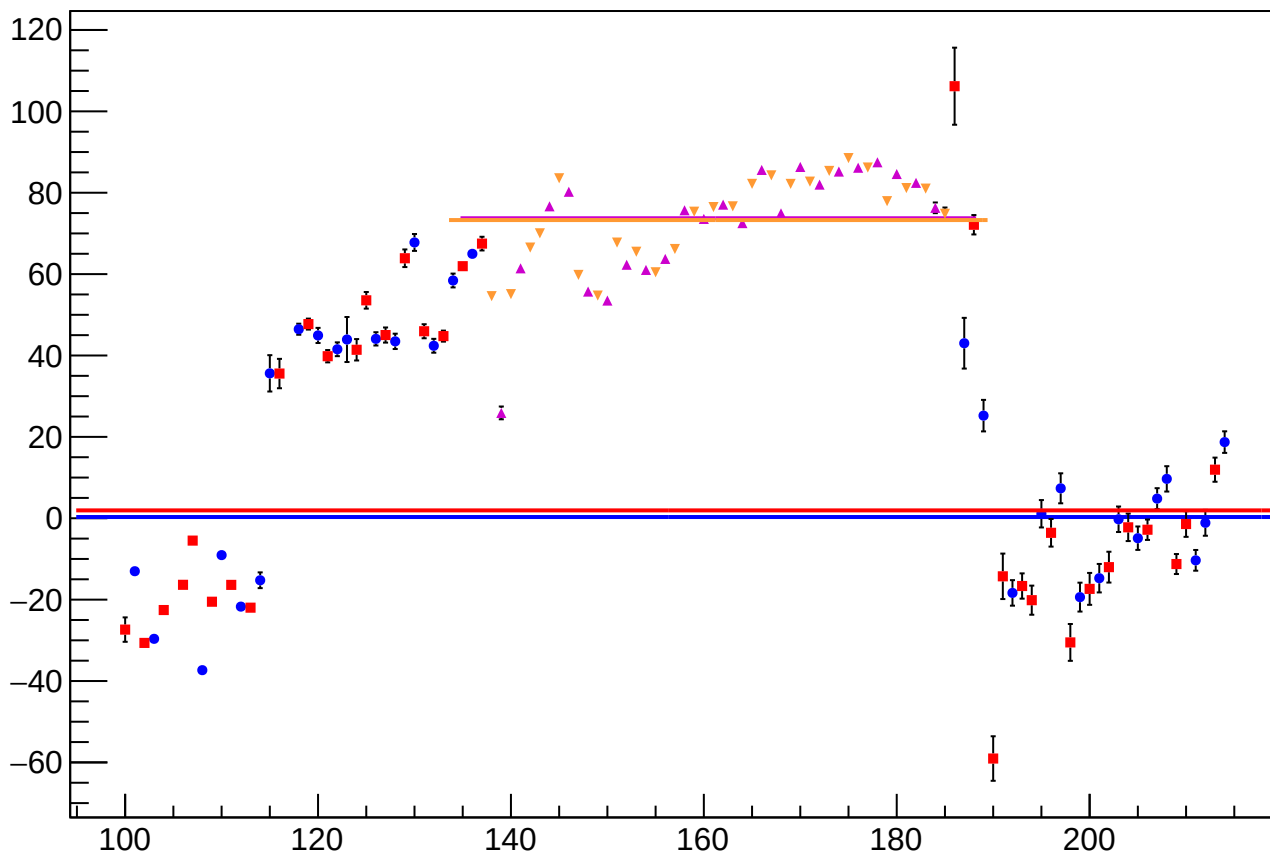
Left In: 53.447 ± 0.215 $\chi^2/\text{NDF}: 1169.0/22$

+ sign 40.070 ± 0.170 $\chi^2/\text{NDF}: 19956.1/55$

All: 40.798 ± 0.122 $\chi^2/\text{NDF}: 38412.2/112$

- sign 41.558 ± 0.174 $\chi^2/\text{NDF}: 18418.8/56$

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.304 ± 0.238 χ^2/NDF : 18478.1/30

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 1.935 ± 0.255 χ^2/NDF : 16746.8/33

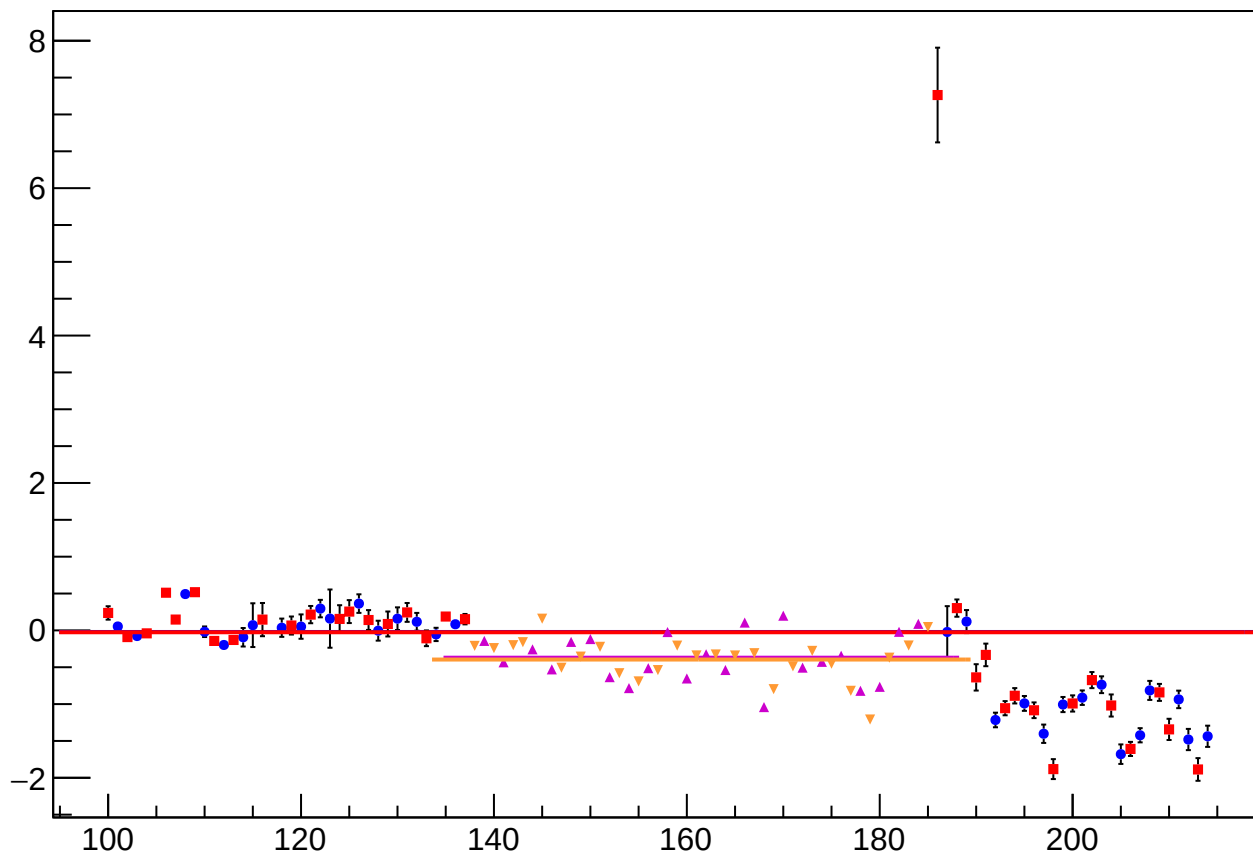
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 45.415 ± 0.147 χ^2/NDF : 79880.7/55

All: 46.332 ± 0.106 χ^2/NDF : 150639.4/112

- sign 47.348 ± 0.155 χ^2/NDF : 70676.5/56

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.022 ± 0.010 χ^2/NDF : 1770.5/30

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: -0.025 ± 0.010 χ^2/NDF : 1829.3/33

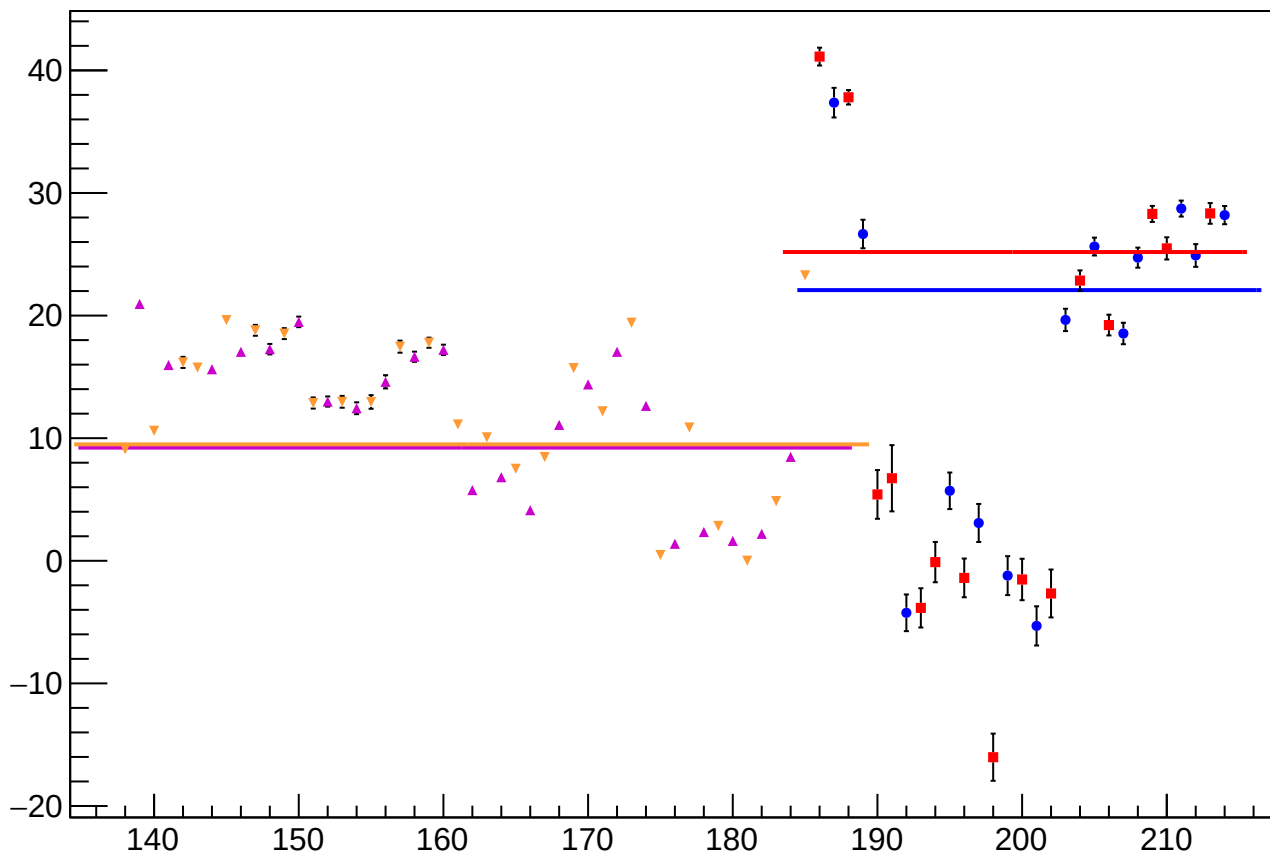
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.246 ± 0.007 χ^2/NDF : 3489.0/55

All: -0.237 ± 0.005 χ^2/NDF : 7282.4/112

- sign -0.229 ± 0.007 χ^2/NDF : 3790.1/56

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 22.078 ± 0.260 $\chi^2/\text{NDF}: 1503.3/13$

Left Out: 9.495 ± 0.061 $\chi^2/\text{NDF}: 12609.1/24$

Right Out: 25.183 ± 0.258 $\chi^2/\text{NDF}: 2937.6/14$

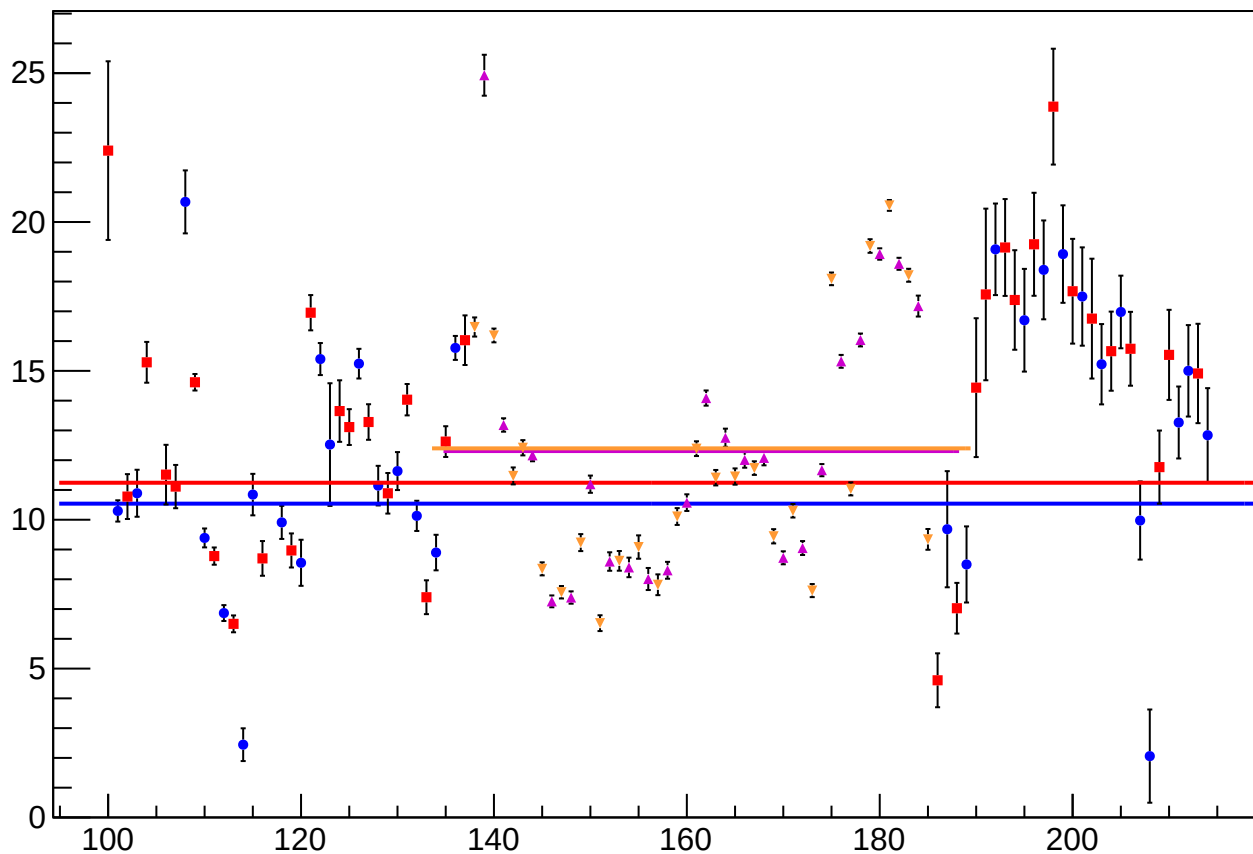
Left In: 9.231 ± 0.063 $\chi^2/\text{NDF}: 10736.2/22$

+ sign 10.154 ± 0.060 $\chi^2/\text{NDF}: 16325.1/38$

All: 10.141 ± 0.043 $\chi^2/\text{NDF}: 33598.8/76$

- sign 10.128 ± 0.061 $\chi^2/\text{NDF}: 17273.6/37$

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.540 $\pm$ 0.114 χ^2 /NDF: 1069.9/30

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 11.242 $\pm$ 0.111 χ^2 /NDF: 1062.1/33

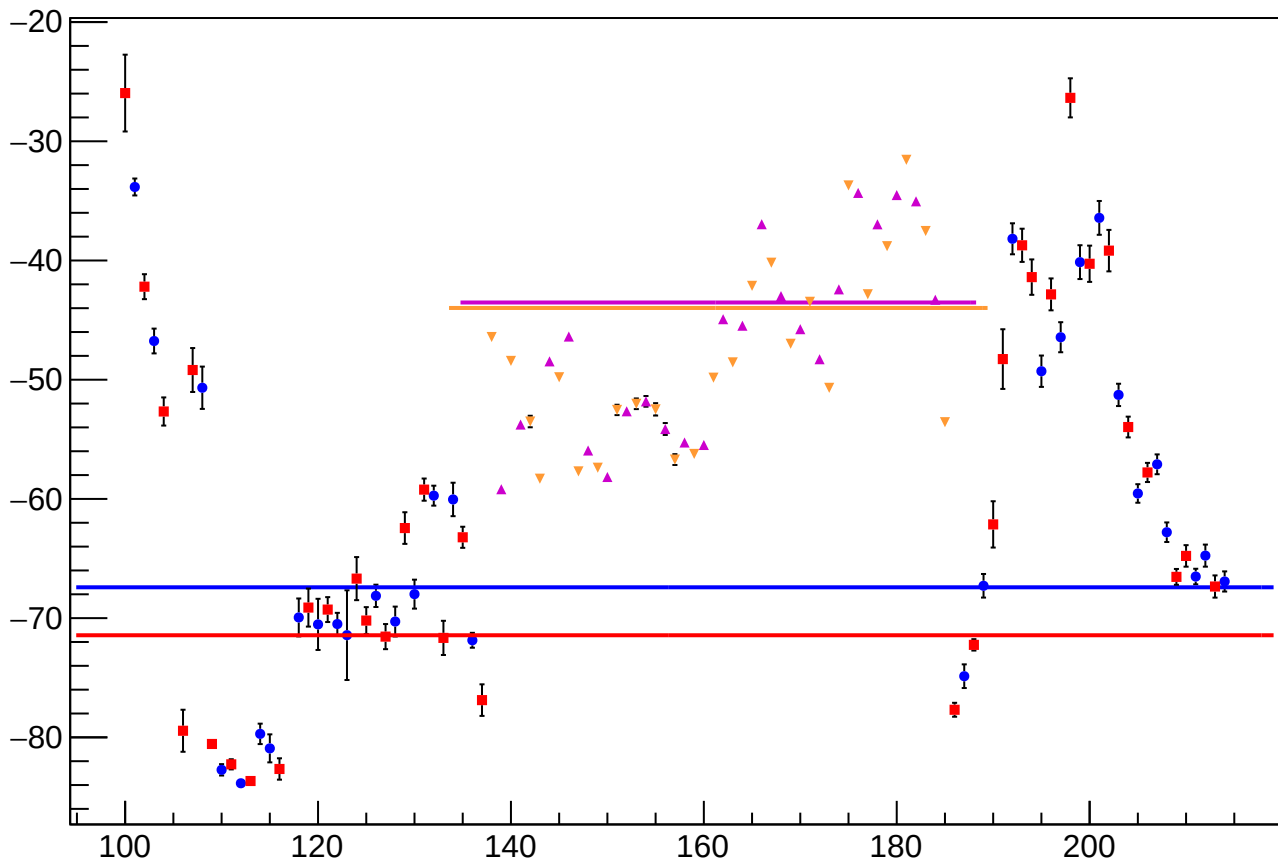
Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

+ sign 12.103 $\pm$ 0.046 χ^2 /NDF: 8834.1/55

All: 12.111 $\pm$ 0.033 χ^2 /NDF: 15573.9/112

- sign 12.120 $\pm$ 0.046 χ^2 /NDF: 6739.7/56

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -67.413 ± 0.156 χ^2/NDF : 8615.8/30

Left Out: -43.982 ± 0.062 χ^2/NDF : 17736.8/24

Right Out: -71.436 ± 0.144 χ^2/NDF : 8083.5/33

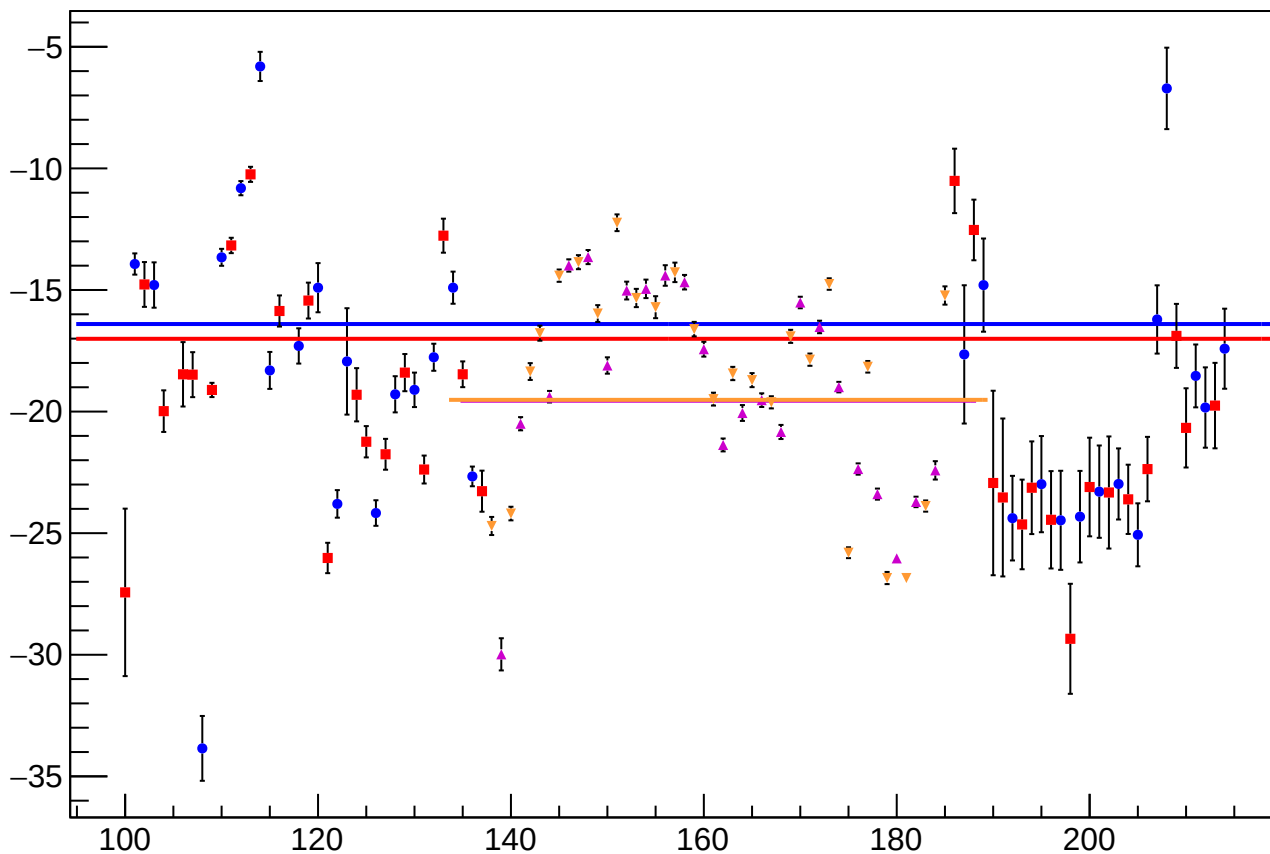
Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

+ sign -47.156 ± 0.058 χ^2/NDF : 45743.4/55

All: -47.605 ± 0.041 χ^2/NDF : 100790.1/112

- sign -48.059 ± 0.058 χ^2/NDF : 54924.7/56

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.400 ± 0.127 χ^2/NDF : 1811.8/30

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -17.007 ± 0.123 χ^2/NDF : 1390.7/33

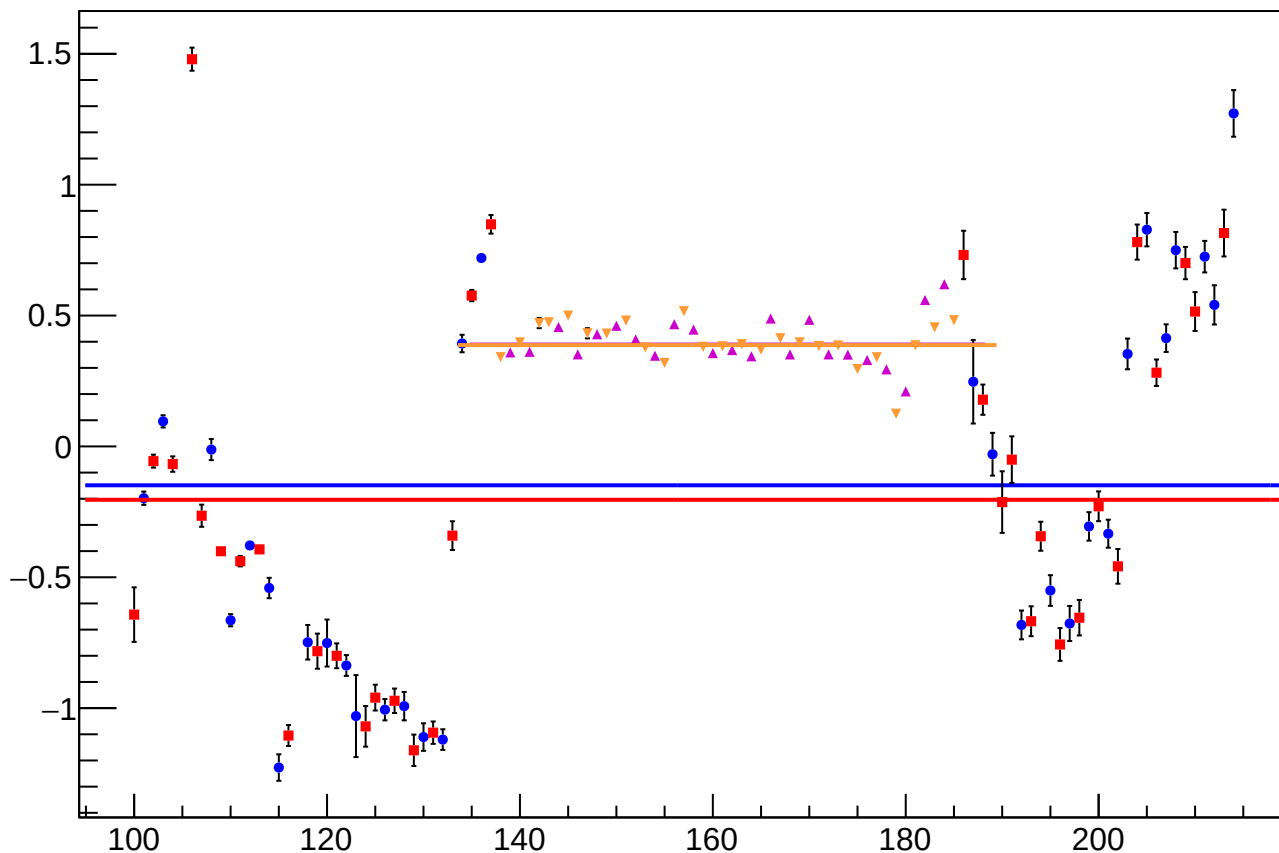
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.015 ± 0.051 χ^2/NDF : 8833.3/55

All: -19.058 ± 0.036 χ^2/NDF : 14888.0/112

- sign -19.101 ± 0.052 χ^2/NDF : 6053.3/56

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.149 ± 0.007 χ^2/NDF : 7723.7/30

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.204 ± 0.007 χ^2/NDF : 7304.0/33

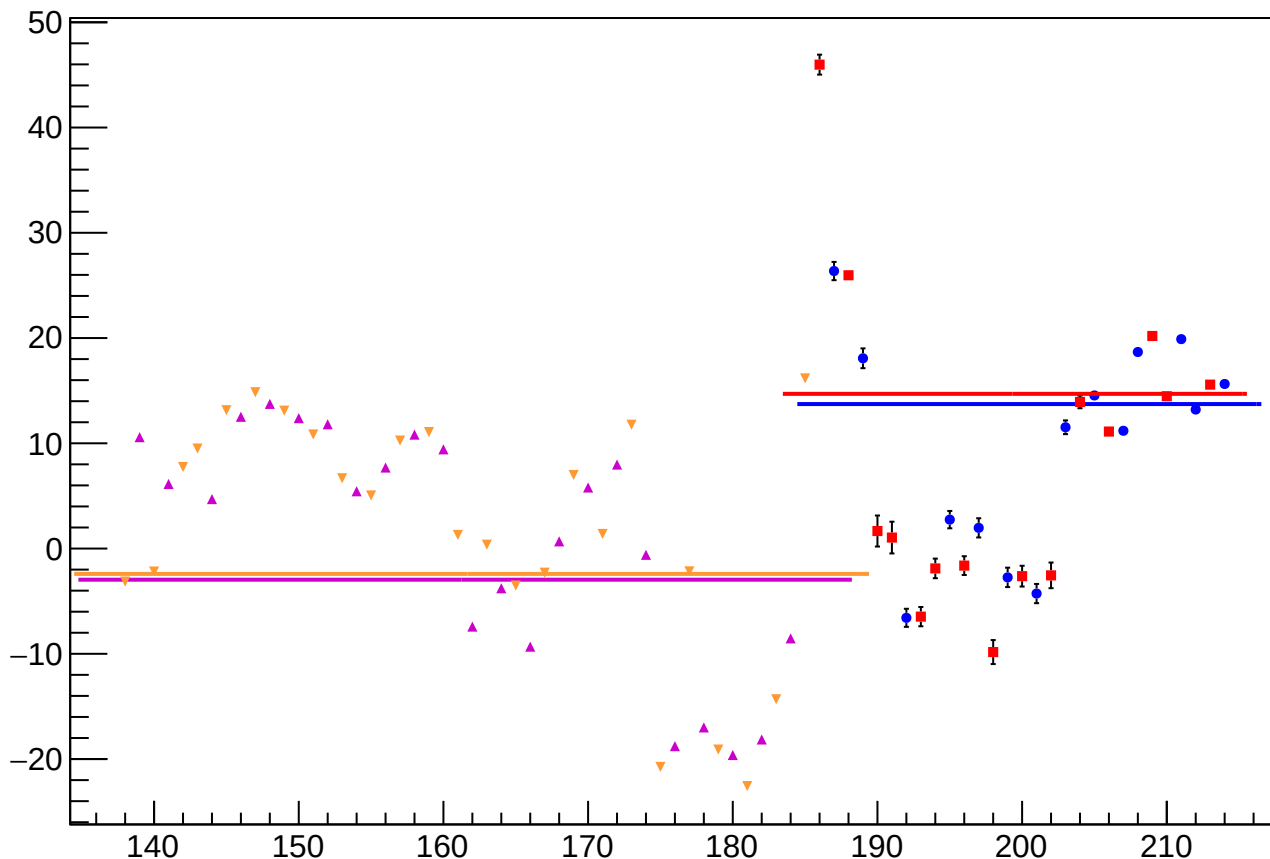
Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

+ sign 0.323 ± 0.002 χ^2/NDF : 13996.8/55

All: 0.316 ± 0.002 χ^2/NDF : 29511.2/112

- sign 0.309 ± 0.002 χ^2/NDF : 15498.3/56

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 13.728 ± 0.146 $\chi^2/\text{NDF}: 2374.3/13$

Left Out: -2.407 ± 0.053 $\chi^2/\text{NDF}: 56368.5/24$

Right Out: 14.700 ± 0.158 $\chi^2/\text{NDF}: 4430.2/14$

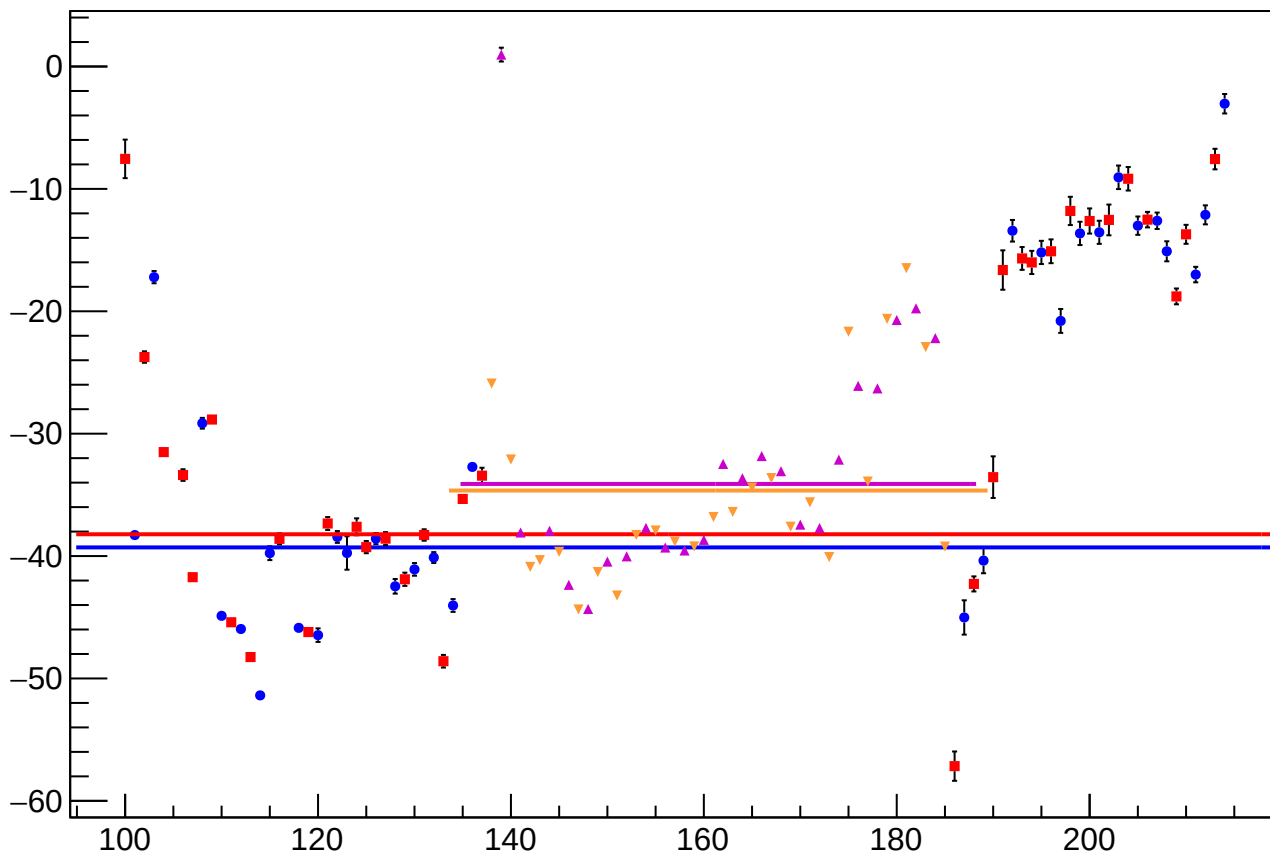
Left In: -2.959 ± 0.055 $\chi^2/\text{NDF}: 45922.6/22$

+ sign -0.553 ± 0.050 $\chi^2/\text{NDF}: 69482.5/38$

All: -0.791 ± 0.036 $\chi^2/\text{NDF}: 131086.6/76$

- sign -1.050 ± 0.052 $\chi^2/\text{NDF}: 61556.1/37$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -39.292 ± 0.074 χ^2/NDF : 20444.1/30

Left Out: -34.646 ± 0.042 χ^2/NDF : 34674.7/24

Right Out: -38.219 ± 0.069 χ^2/NDF : 21495.1/33

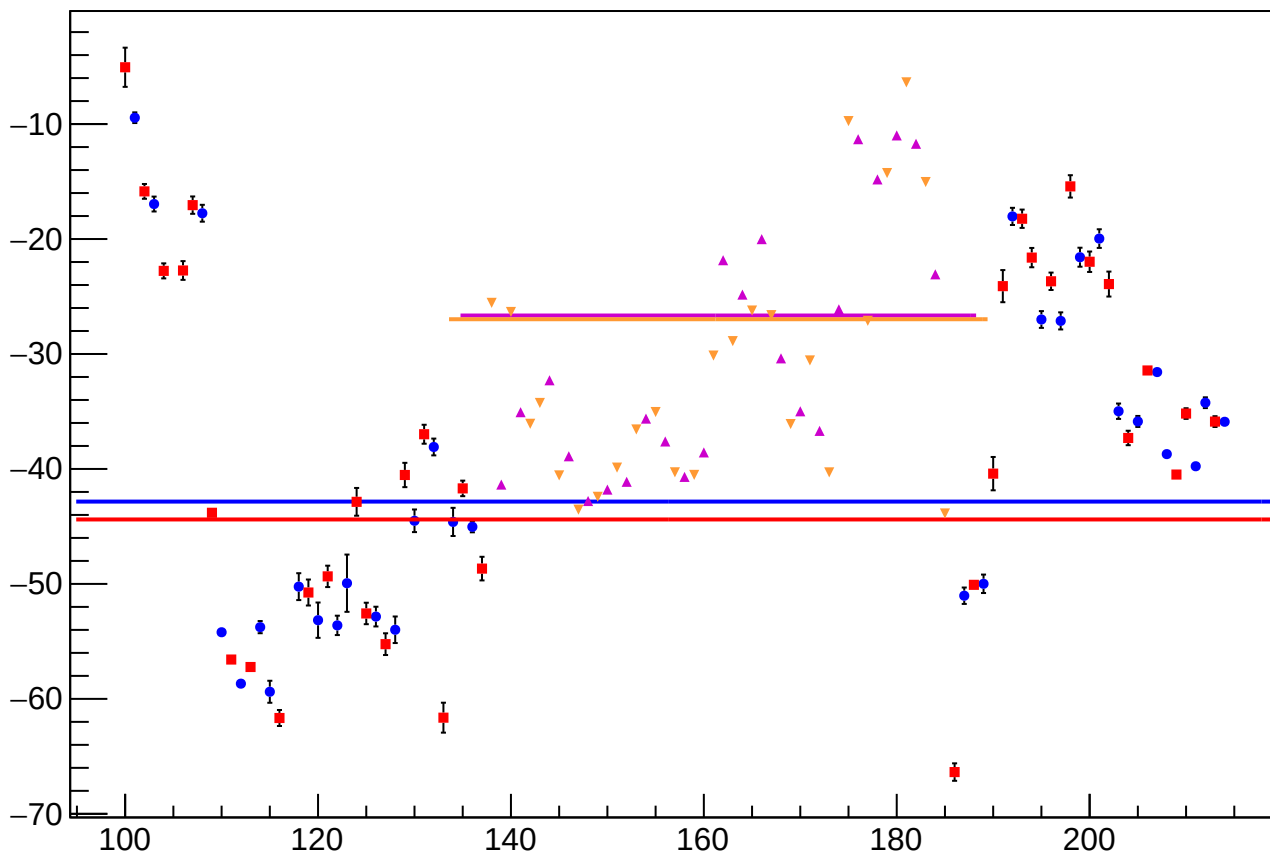
Left In: -34.108 ± 0.044 χ^2/NDF : 29052.8/22

+ sign -35.771 ± 0.036 χ^2/NDF : 58113.2/55

All: -35.533 ± 0.026 χ^2/NDF : 111250.5/112

- sign -35.284 ± 0.037 χ^2/NDF : 53049.7/56

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -42.839 ± 0.094 χ^2/NDF : 22407.6/30

Left Out: -26.978 ± 0.053 χ^2/NDF : 49361.1/24

Right Out: -44.394 ± 0.087 χ^2/NDF : 20659.0/33

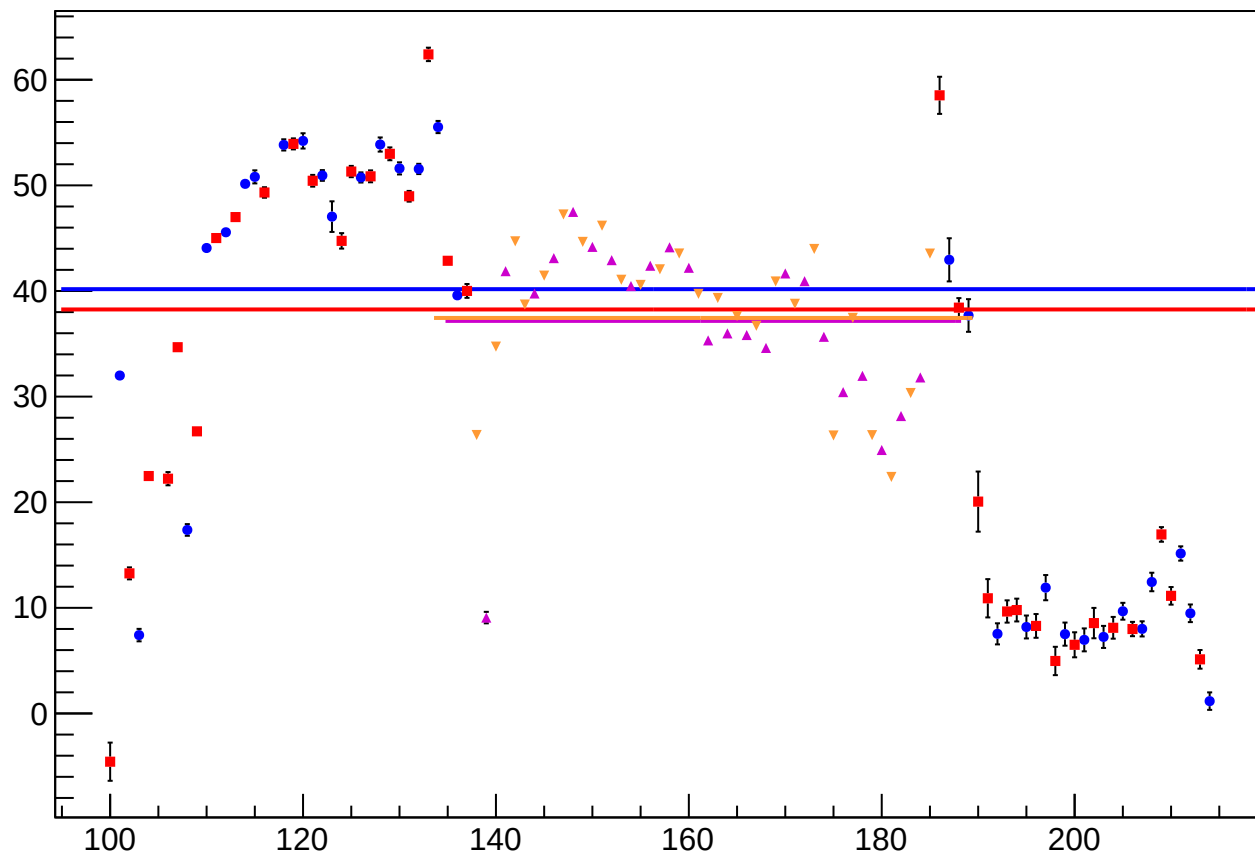
Left In: -26.654 ± 0.055 χ^2/NDF : 42106.8/22

+ sign -30.803 ± 0.046 χ^2/NDF : 93213.1/55

All: -31.250 ± 0.033 χ^2/NDF : 185833.0/112

- sign -31.701 ± 0.046 χ^2/NDF : 92432.6/56

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 40.173 $\pm$ 0.082 χ^2 /NDF: 26956.6/30

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 38.252 $\pm$ 0.077 χ^2 /NDF: 28937.3/33

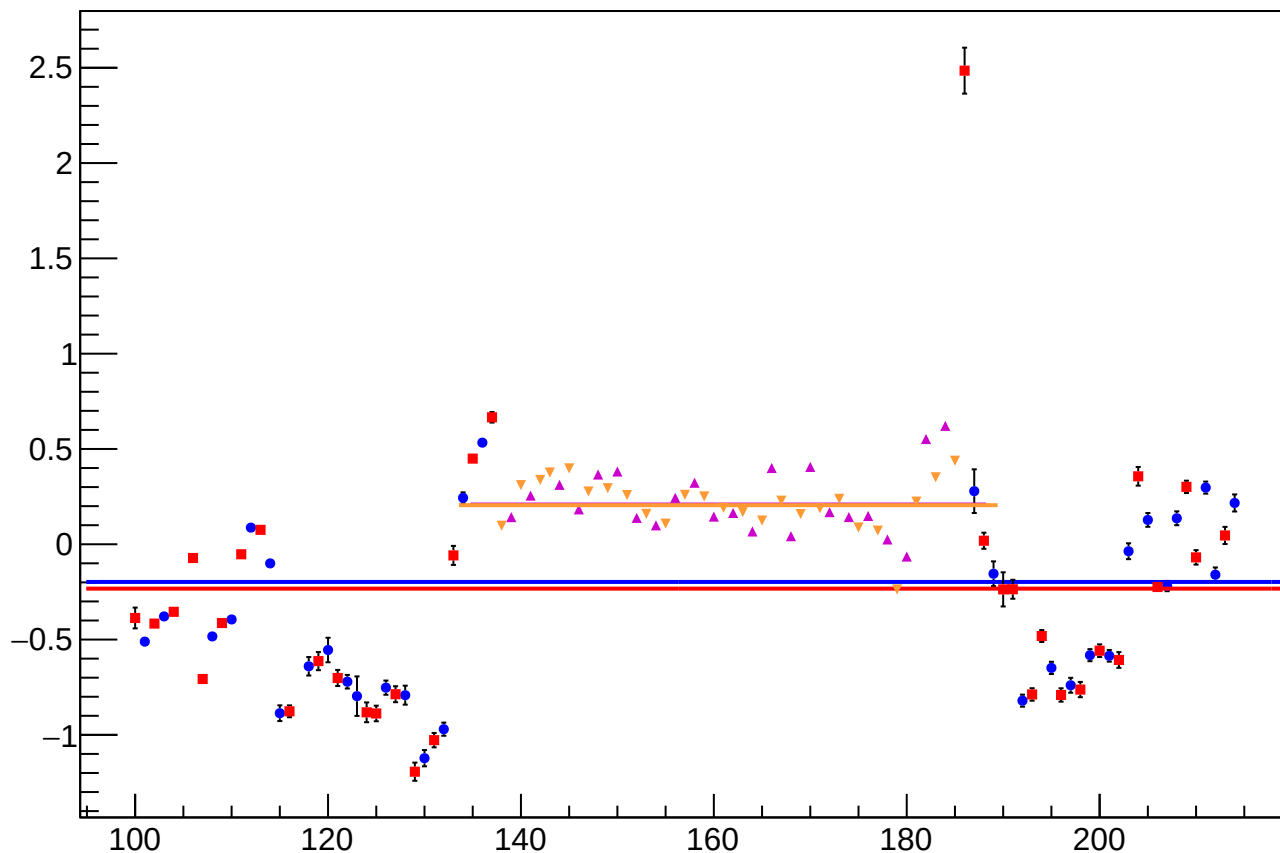
Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

+ sign 38.121 $\pm$ 0.041 χ^2 /NDF: 49353.5/55

All: 37.807 $\pm$ 0.029 χ^2 /NDF: 95787.7/112

- sign 37.485 $\pm$ 0.041 χ^2 /NDF: 46315.0/56

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.198 ± 0.004 χ^2/NDF : 8988.2/30

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.233 ± 0.004 χ^2/NDF : 9397.6/33

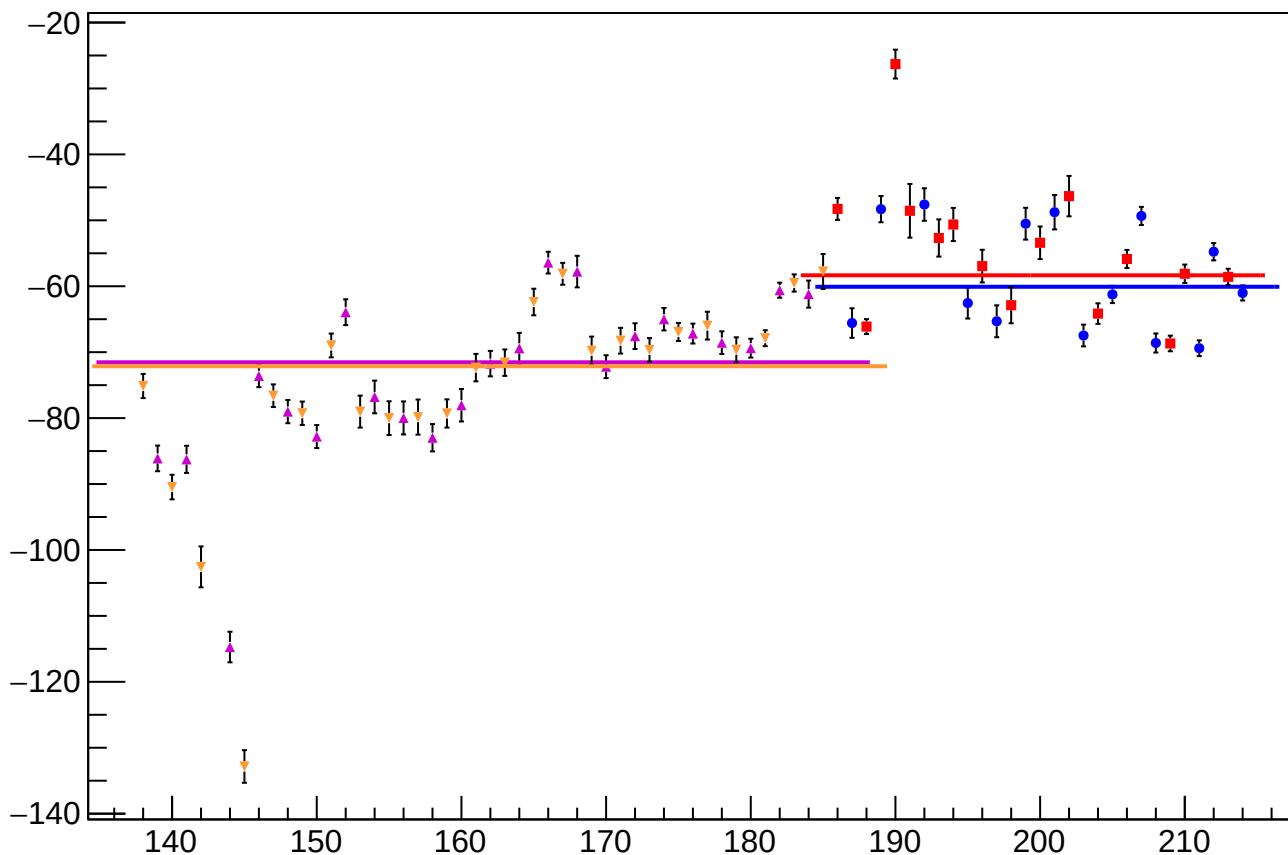
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.124 ± 0.002 χ^2/NDF : 19712.2/55

All: 0.112 ± 0.001 χ^2/NDF : 43702.6/112

- sign 0.101 ± 0.002 χ^2/NDF : 23918.3/56

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -60.078 ± 0.435 χ^2/NDF : 301.6/13

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -58.340 ± 0.443 χ^2/NDF : 433.7/14

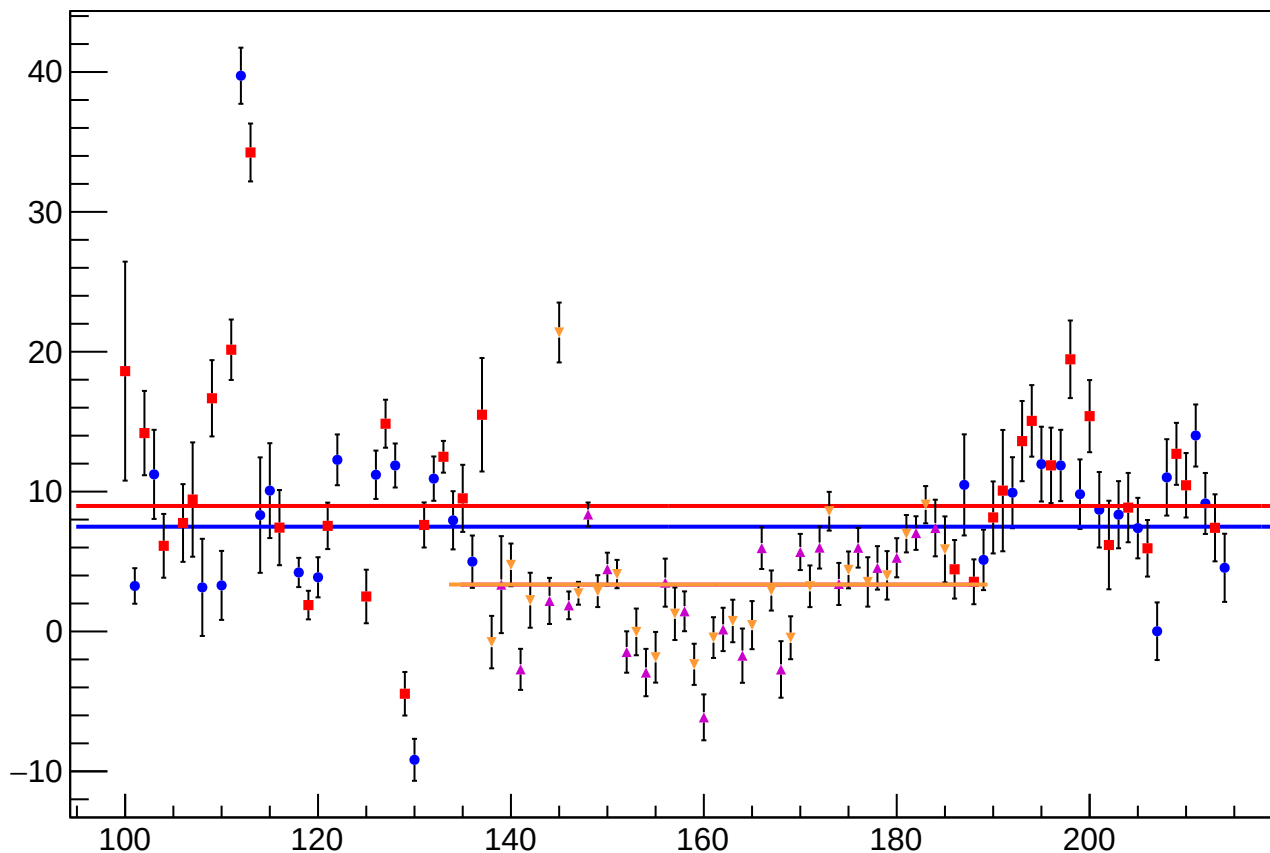
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -66.871 ± 0.287 χ^2/NDF : 1856.3/37

All: -66.396 ± 0.204 χ^2/NDF : 3655.8/75

- sign -65.915 ± 0.289 χ^2/NDF : 1794.1/37

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.491 $\pm$ 0.364 χ^2/NDF : 476.4/29

Left Out: 3.357 $\pm$ 0.295 χ^2/NDF :167.7/23

Right Out: 8.973 $\pm$ 0.364 χ^2/NDF : 402.7/32

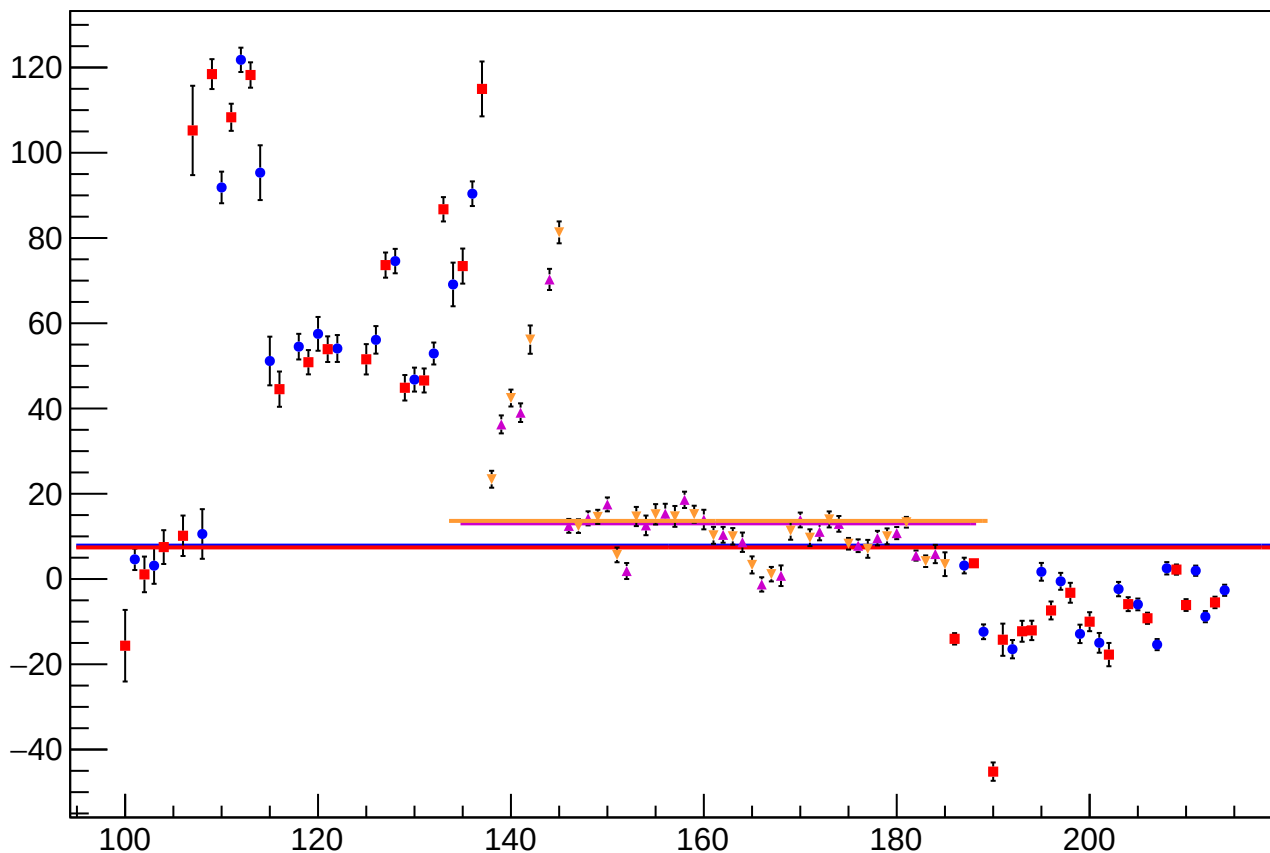
Left In: 3.349 $\pm$ 0.298 χ^2/NDF :163.5/22

+ sign 4.993 $\pm$ 0.229 χ^2/NDF : 721.9/53

All: 5.299 $\pm$ 0.163 χ^2/NDF : 1434.7/109

- sign 5.609 $\pm$ 0.231 χ^2/NDF : 709.2/55

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 7.833 ± 0.379 χ^2/NDF : 6391.2/29

Left Out: 13.632 ± 0.382 χ^2/NDF : 1300.0/23

Right Out: 7.410 ± 0.371 χ^2/NDF : 8051.2/32

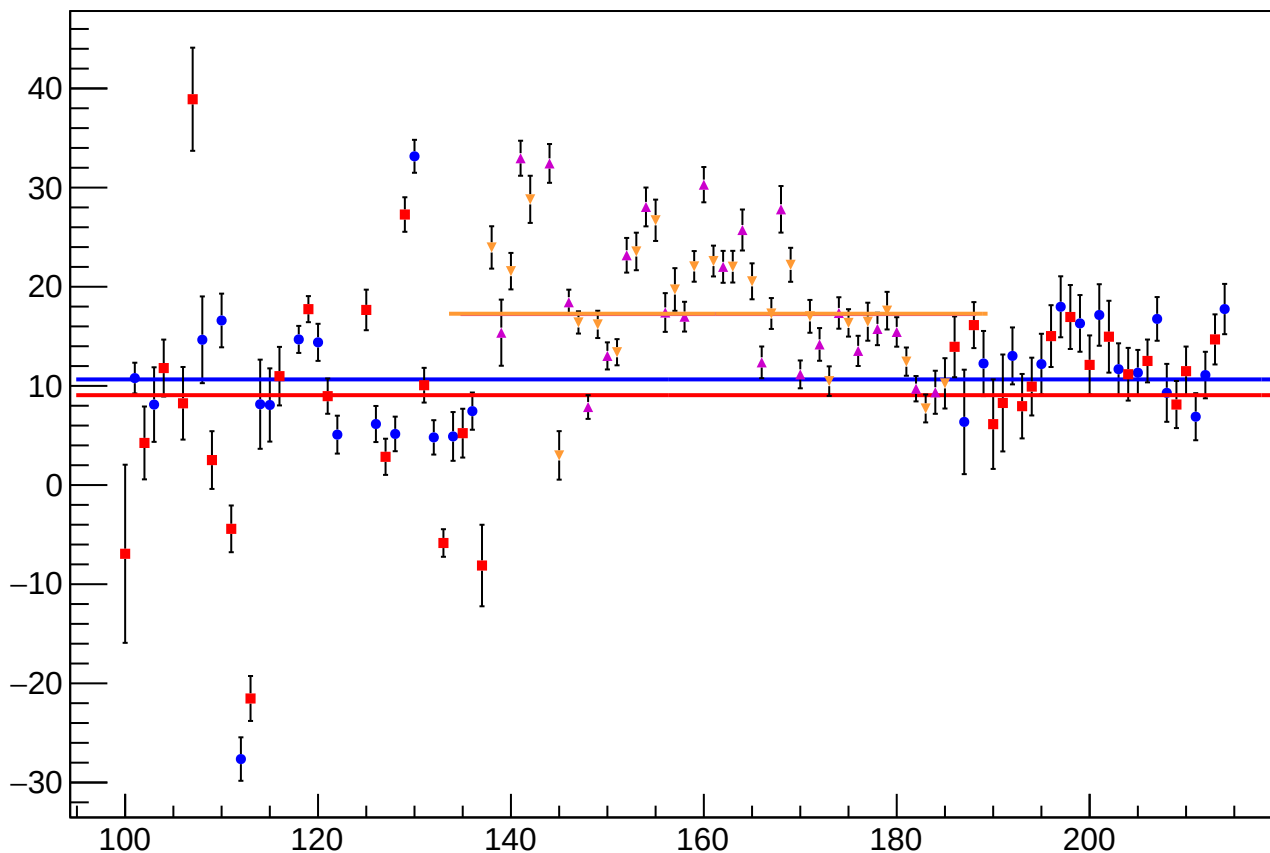
Left In: 13.058 ± 0.380 χ^2/NDF : 1024.7/22

+ sign 10.713 ± 0.269 χ^2/NDF : 7807.4/53

All: 10.436 ± 0.189 χ^2/NDF : 16998.7/109

- sign 10.166 ± 0.265 χ^2/NDF : 9189.2/55

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.654 $\pm$ 0.417 χ^2 /NDF: 586.7/29

Left Out: 17.280 $\pm$ 0.337 χ^2 /NDF: 243.9/23

Right Out: 9.065 $\pm$ 0.423 χ^2 /NDF: 611.4/32

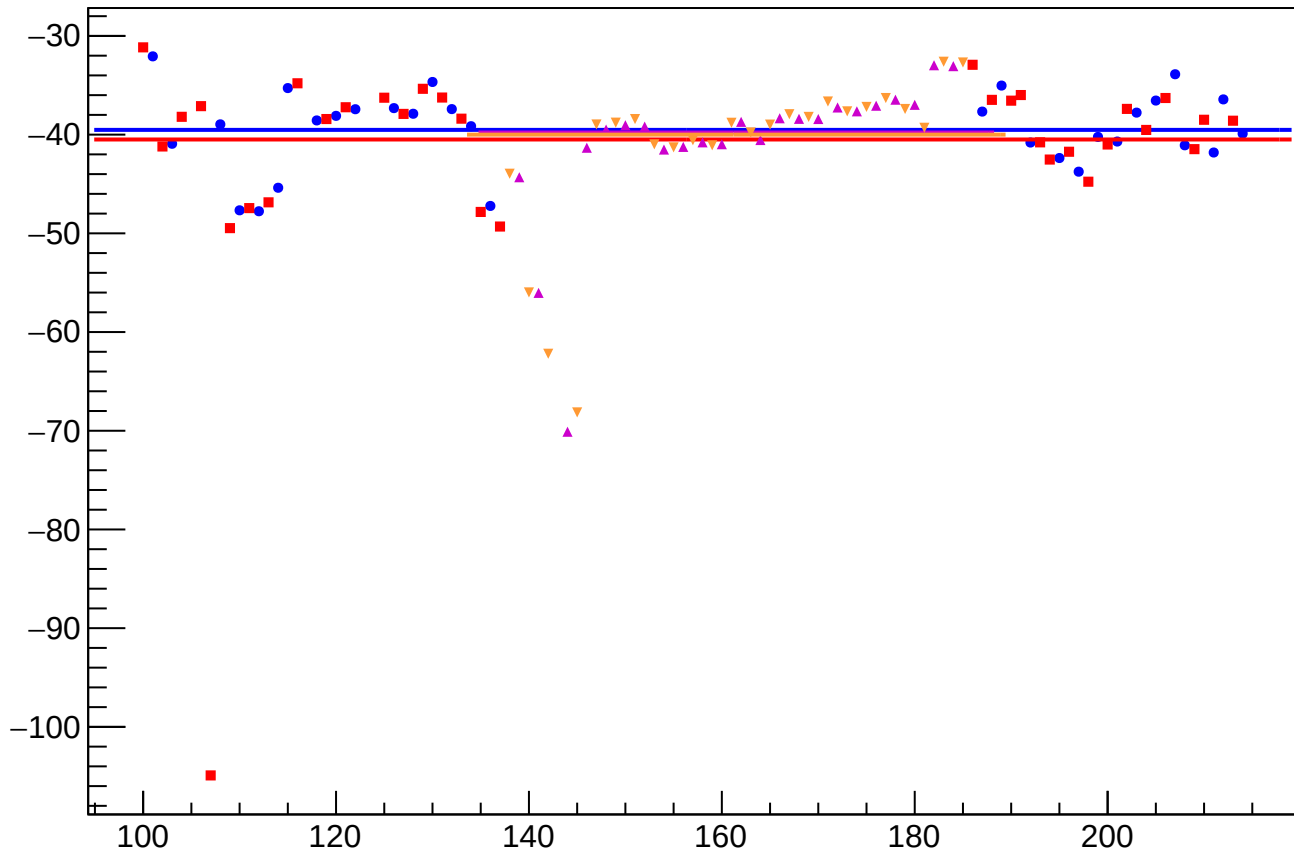
Left In: 17.245 $\pm$ 0.339 χ^2 /NDF: 440.8/22

+ sign 14.664 $\pm$ 0.262 χ^2 /NDF: 983.1/53

All: 14.354 $\pm$ 0.186 χ^2 /NDF: 2265.7/109

- sign 14.039 $\pm$ 0.265 χ^2 /NDF: 1279.8/55

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.518 ± 0.021 χ^2/NDF : 37770.7/29

Left Out: -39.999 ± 0.016 χ^2/NDF : 172263.8/23

Right Out: -40.492 ± 0.021 χ^2/NDF : 107336.9/32

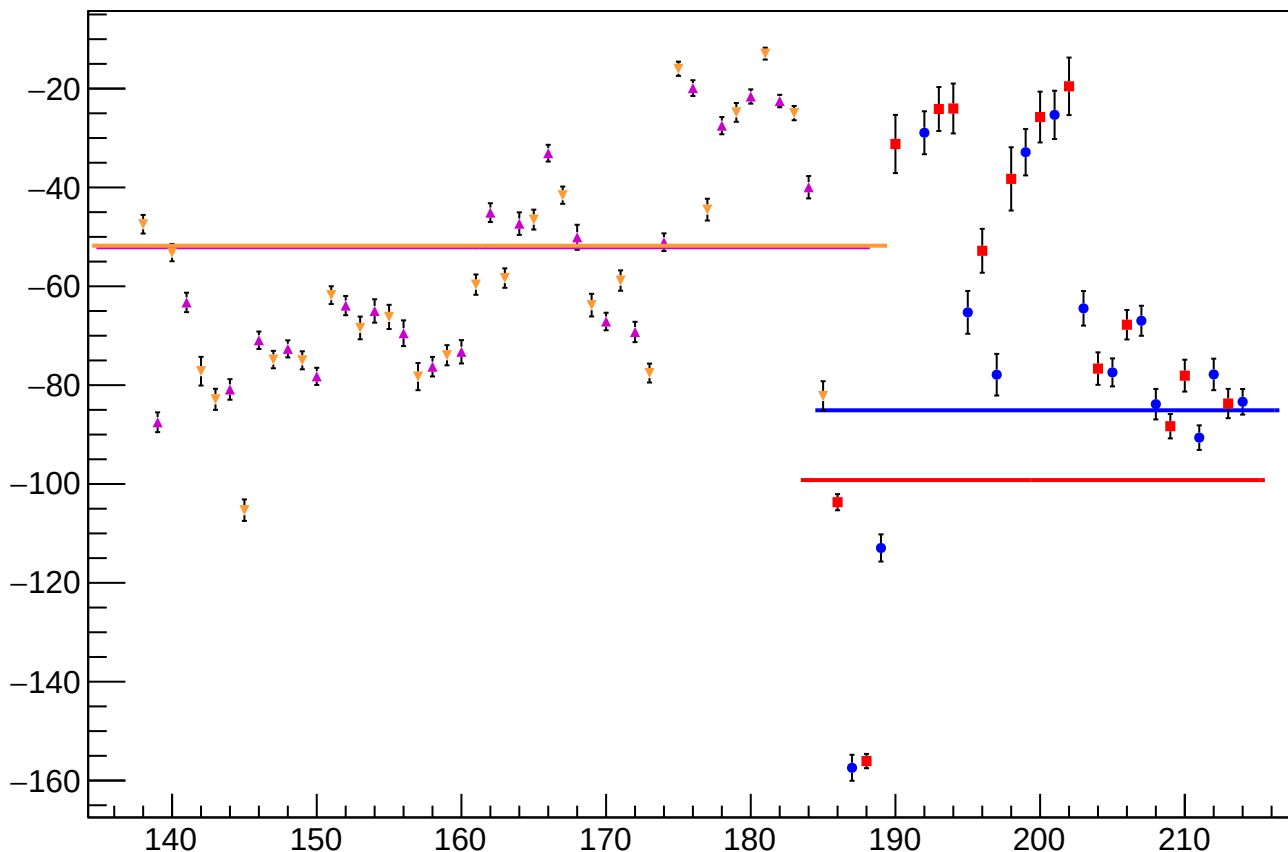
Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

+ sign -39.823 ± 0.013 χ^2/NDF : 210376.9/53

All: -39.934 ± 0.009 χ^2/NDF : 463115.1/109

- sign -40.044 ± 0.012 χ^2/NDF : 252581.5/55

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -85.088 ± 0.859 χ^2/NDF : 1411.3/13

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -99.205 ± 0.768 χ^2/NDF : 3033.7/13

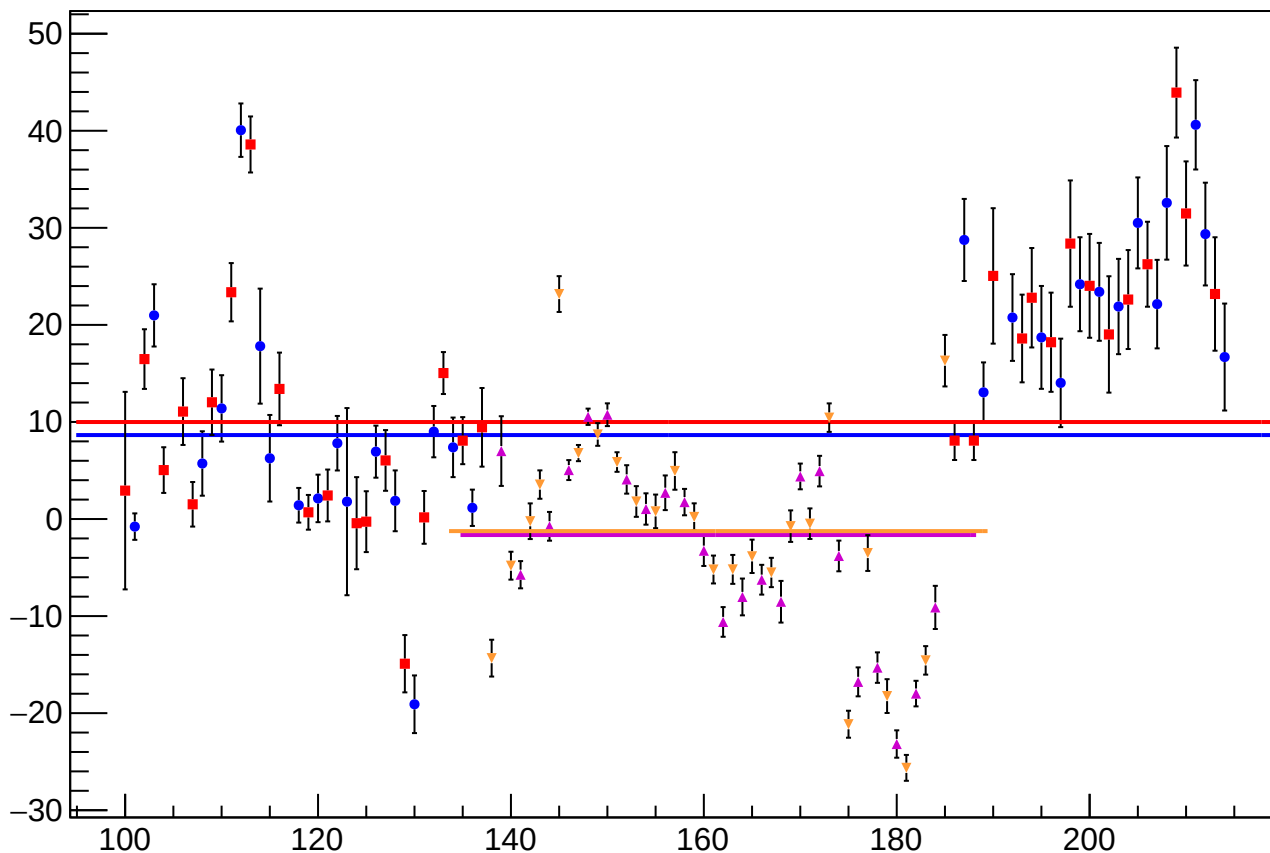
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -57.304 ± 0.350 χ^2/NDF : 6831.0/38

All: -59.521 ± 0.246 χ^2/NDF : 16218.0/75

- sign -61.703 ± 0.347 χ^2/NDF : 9307.1/36

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 8.650 ± 0.560 $\chi^2/\text{NDF}: 505.7/30$

Left Out: -1.245 ± 0.292 $\chi^2/\text{NDF}: 1322.6/24$

Right Out: 9.993 ± 0.551 $\chi^2/\text{NDF}: 415.7/32$

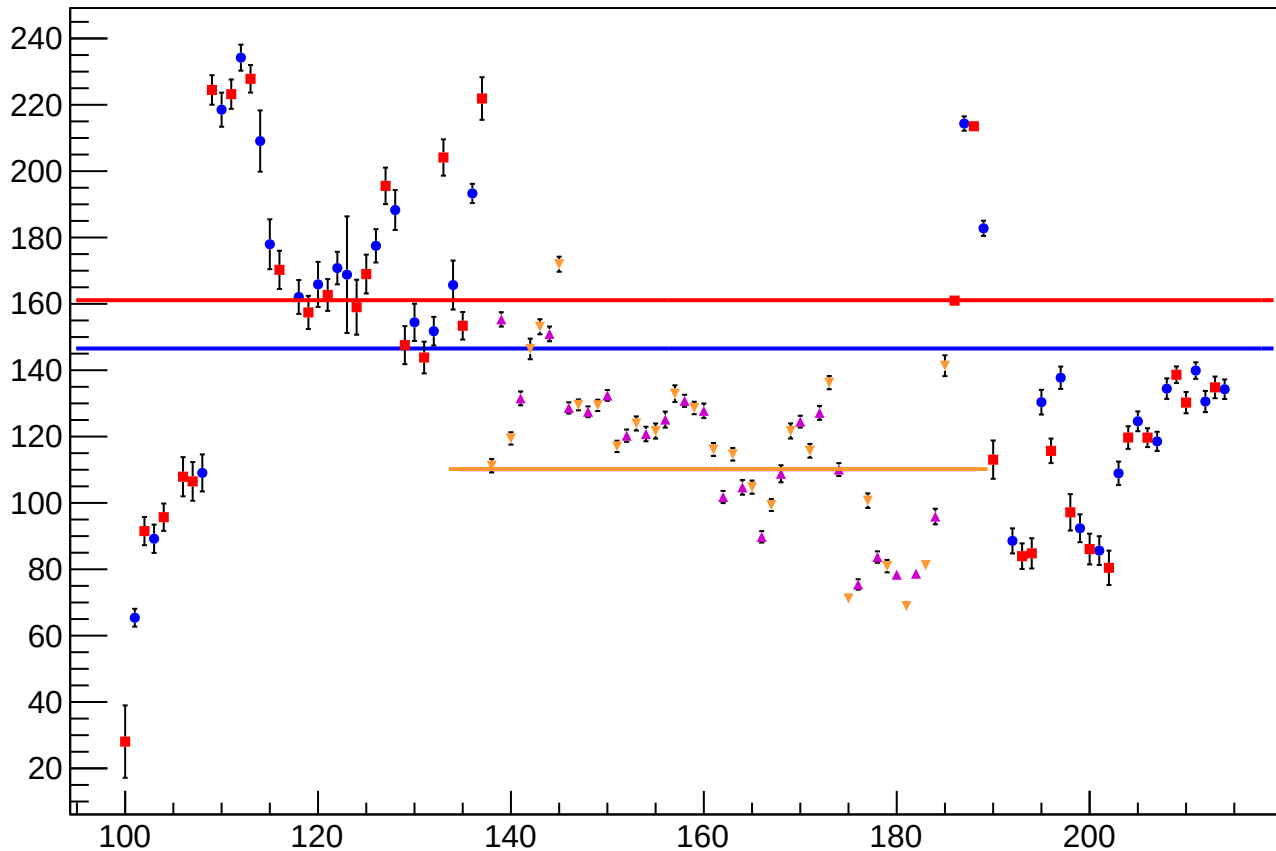
Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

+ sign 0.866 ± 0.259 $\chi^2/\text{NDF}: 2073.9/55$

All: 0.938 ± 0.185 $\chi^2/\text{NDF}: 3926.1/111$

- sign 1.013 ± 0.264 $\chi^2/\text{NDF}: 1852.0/55$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 146.546 $\pm$ 0.661 χ^2 /NDF: 4485.6/30

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 161.101 $\pm$ 0.583 χ^2 /NDF: 5888.2/32

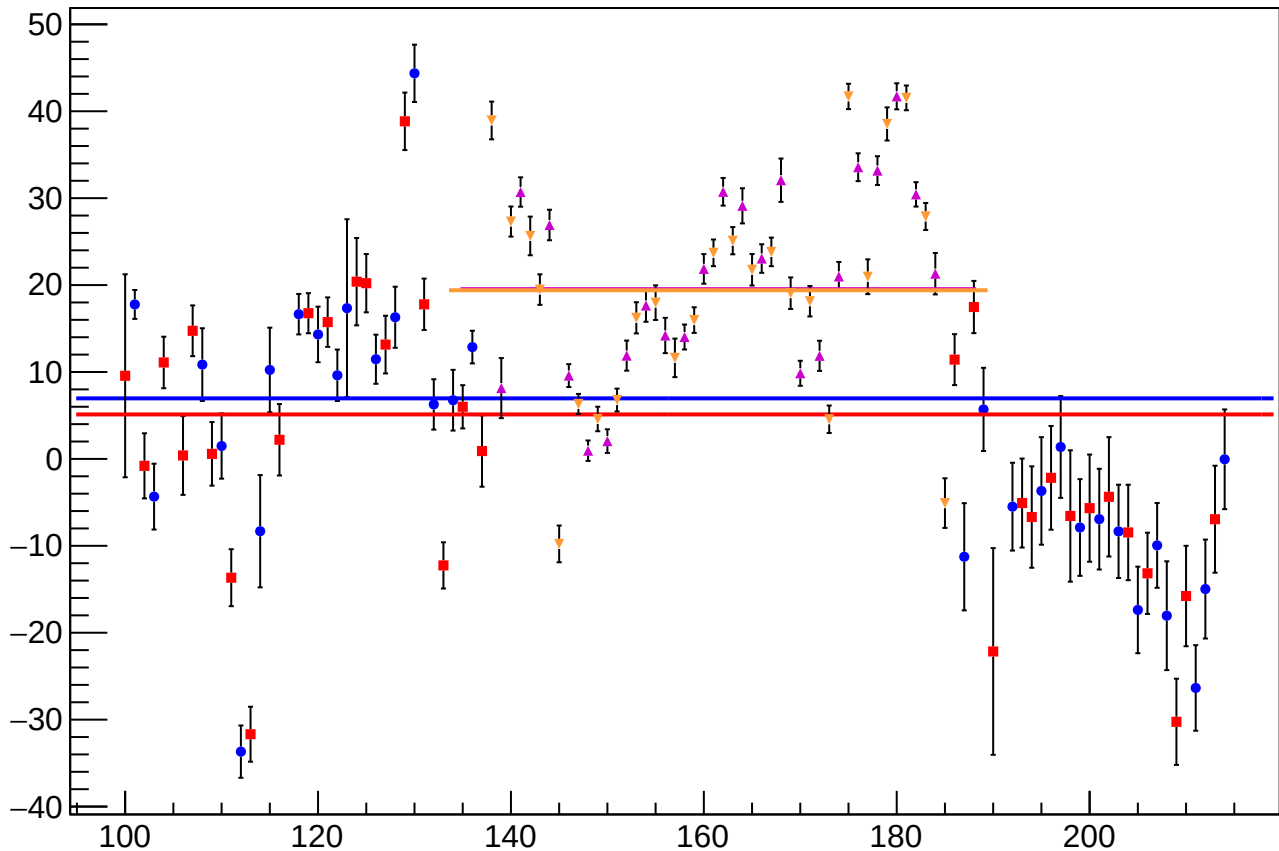
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 119.315 $\pm$ 0.331 χ^2 /NDF: 11345.0/55

All: 122.598 $\pm$ 0.231 χ^2 /NDF: 26438.1/111

- sign 125.706 $\pm$ 0.322 χ^2 /NDF: 14901.3/55

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 6.966 ± 0.646 $\chi^2/\text{NDF}: 569.2/30$

Left Out: 19.405 ± 0.335 $\chi^2/\text{NDF}: 1453.4/24$

Right Out: 5.117 ± 0.652 $\chi^2/\text{NDF}: 562.6/32$

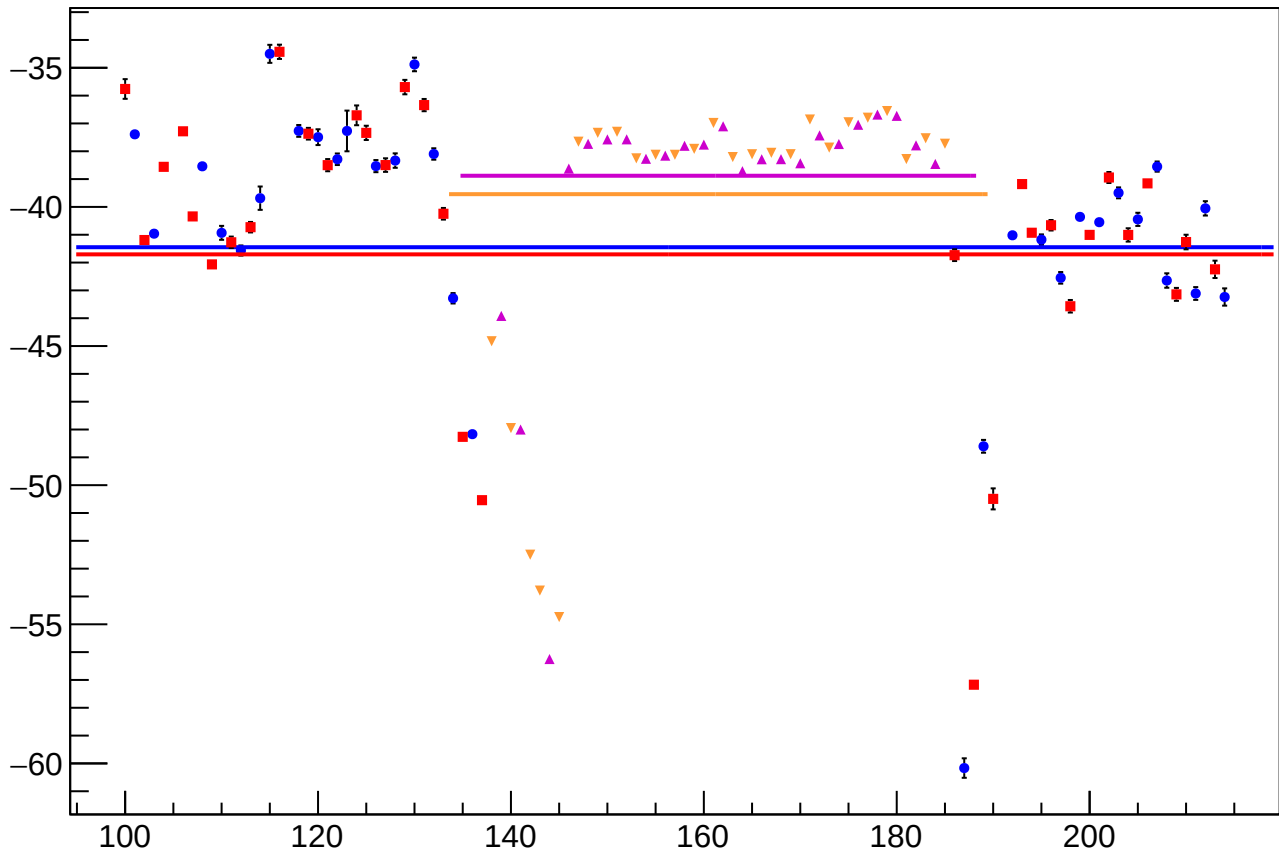
Left In: 19.530 ± 0.342 $\chi^2/\text{NDF}: 1181.3/22$

+ sign 16.772 ± 0.297 $\chi^2/\text{NDF}: 2315.0/55$

All: 16.595 ± 0.212 $\chi^2/\text{NDF}: 4443.0/111$

- sign 16.411 ± 0.303 $\chi^2/\text{NDF}: 2127.3/55$

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.448 ± 0.032 $\chi^2/\text{NDF}: 16956.4/30$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -41.705 ± 0.031 $\chi^2/\text{NDF}: 23113.8/32$

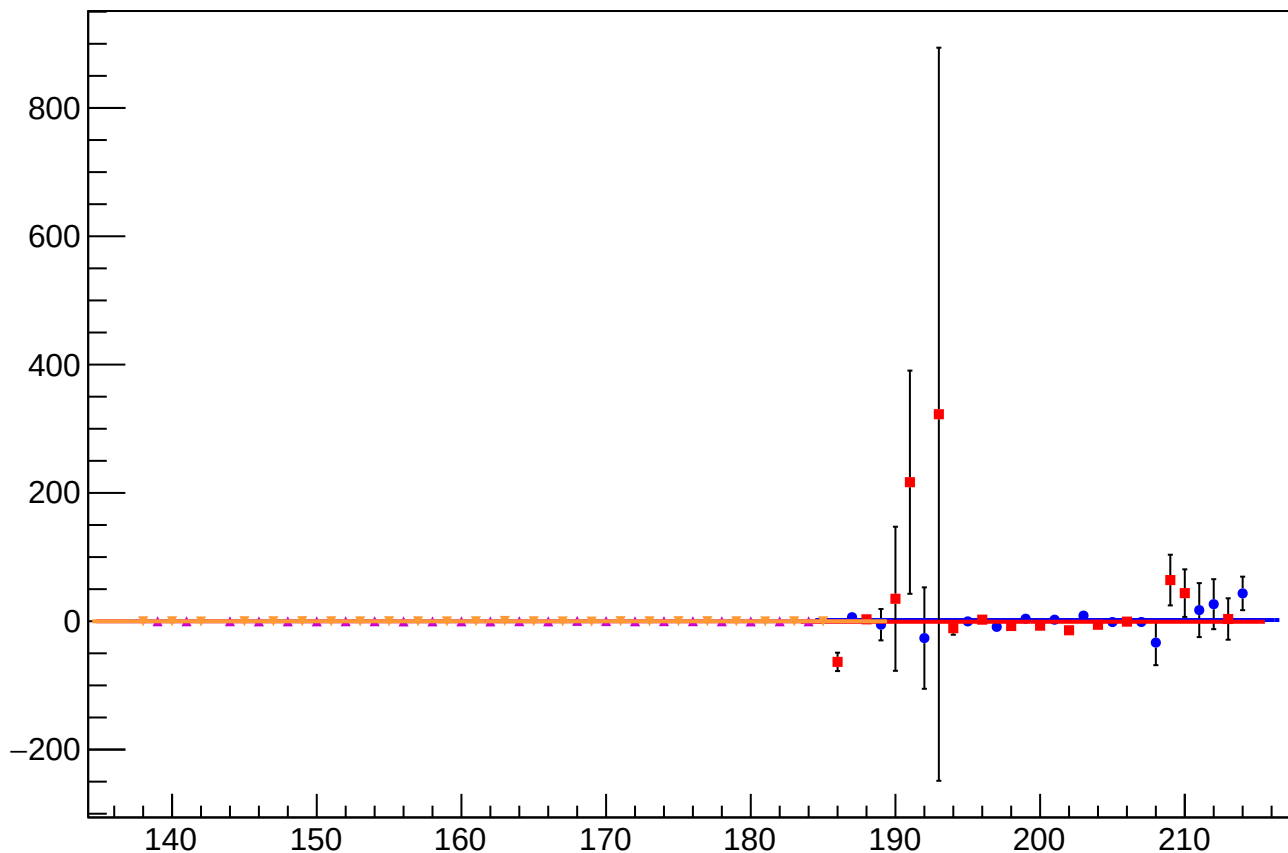
Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

+ sign -39.919 ± 0.014 $\chi^2/\text{NDF}: 111884.6/55$

All: -39.687 ± 0.010 $\chi^2/\text{NDF}: 195381.5/111$

- sign -39.452 ± 0.014 $\chi^2/\text{NDF}: 82951.9/55$

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.898 ± 1.531 χ^2/NDF : 15.3/13

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.836 ± 1.419 χ^2/NDF : 36.7/14

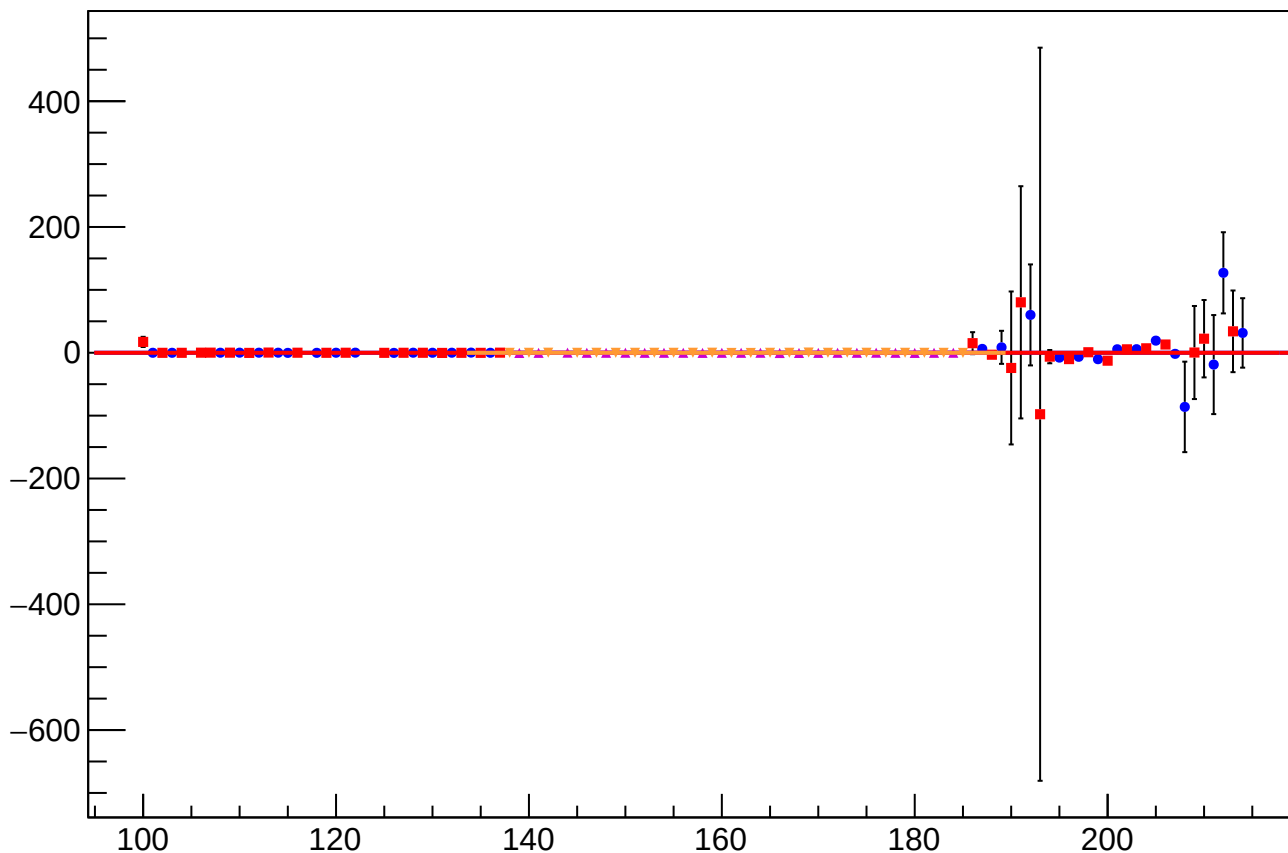
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 56.7/37

All: -0.057 ± 0.016 χ^2/NDF : 131.0/75

- sign -0.026 ± 0.022 χ^2/NDF : 70.3/37

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 37.6/29

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 41.5/32

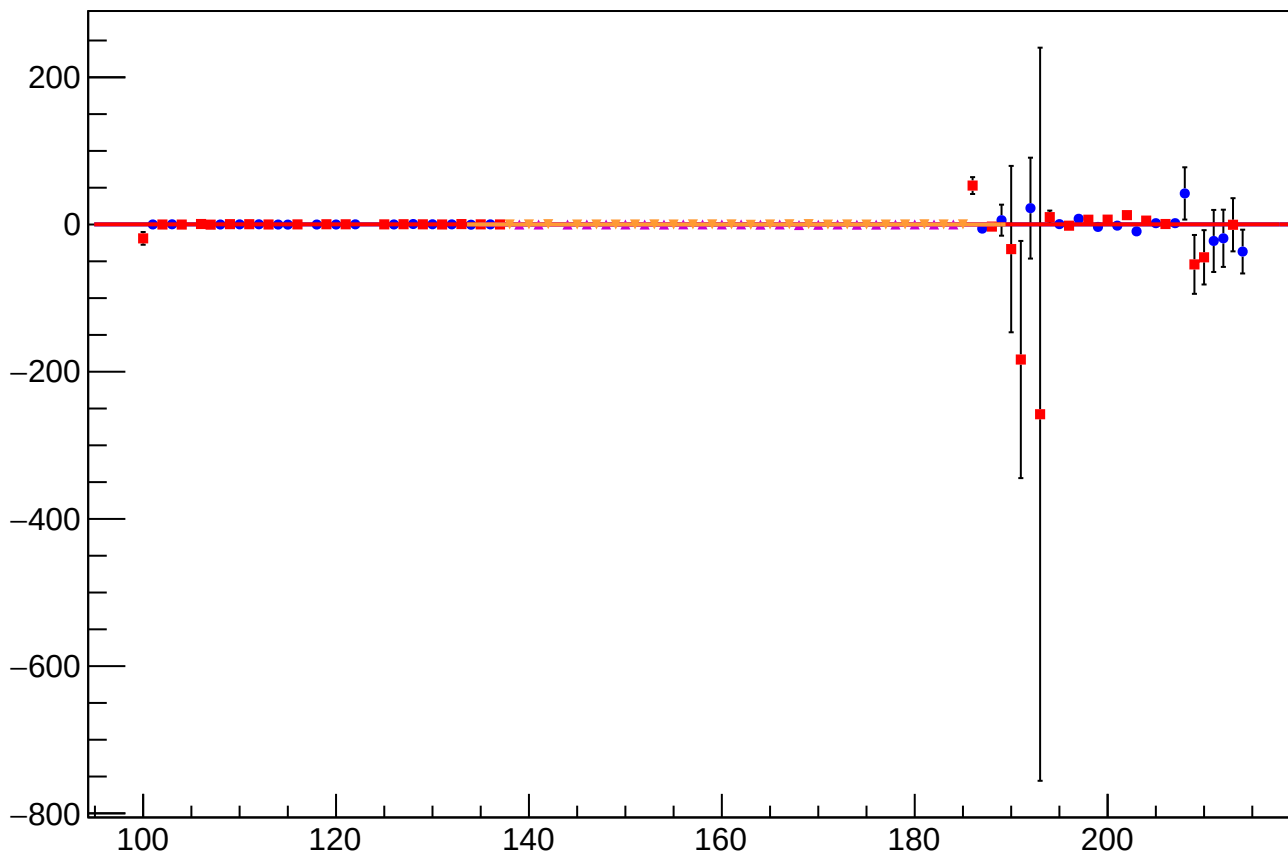
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 69.1/53

All: -0.056 ± 0.011 χ^2/NDF : 142.4/109

- sign -0.052 ± 0.015 χ^2/NDF : 73.2/55

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 $\pm$ 0.053 χ^2 /NDF: 30.6/29

Left Out: 0.081 $\pm$ 0.022 χ^2 /NDF:38.4/23

Right Out: 0.236 $\pm$ 0.054 χ^2 /NDF: 60.3/32

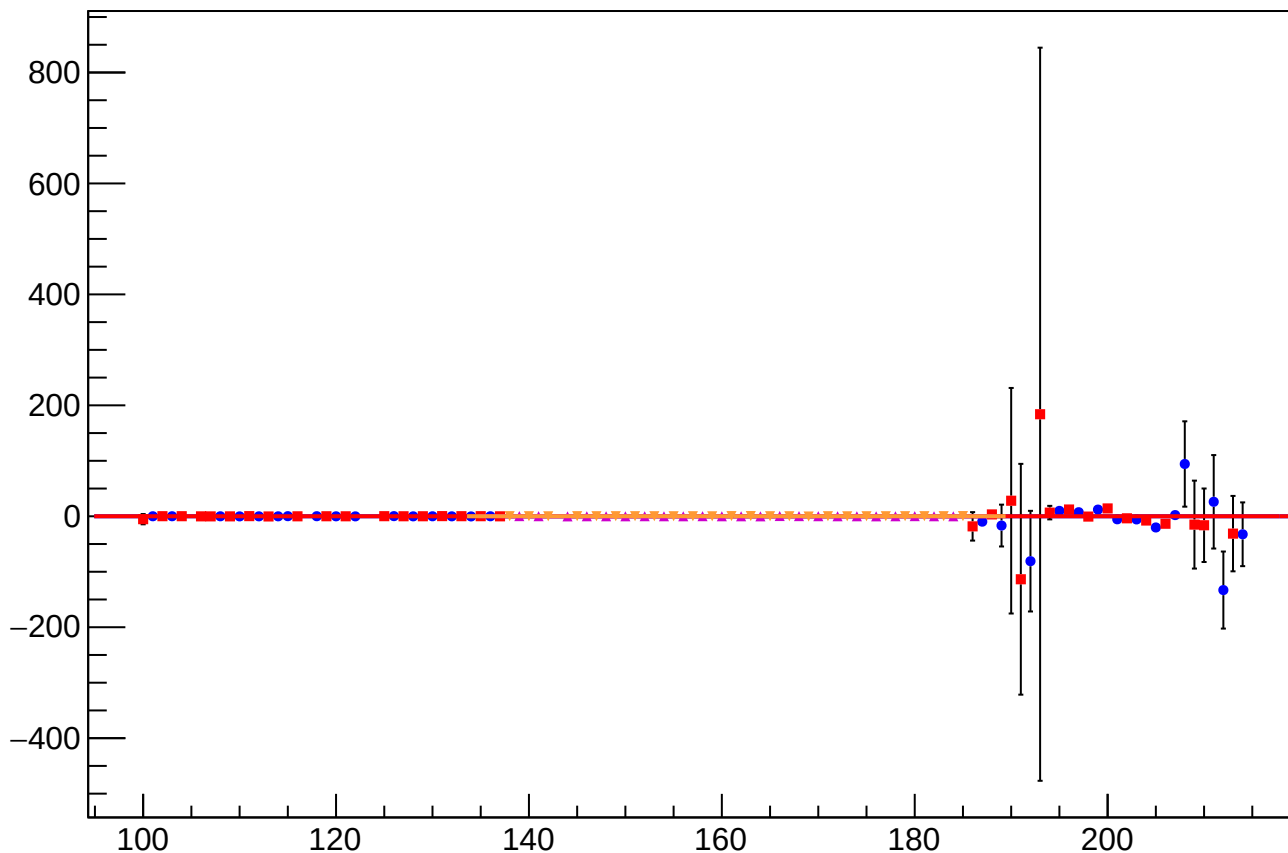
Left In: 0.020 $\pm$ 0.022 χ^2 /NDF:35.6/22

+ sign 0.095 $\pm$ 0.020 χ^2 /NDF: 71.5/53

All: 0.073 $\pm$ 0.014 χ^2 /NDF: 183.4/109

- sign 0.051 $\pm$ 0.021 χ^2 /NDF: 109.5/55

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 $\chi^2/\text{NDF}: 39.0/29$

Left Out: 0.105 ± 0.020 $\chi^2/\text{NDF}: 29.5/23$

Right Out: 0.057 ± 0.034 $\chi^2/\text{NDF}: 34.9/32$

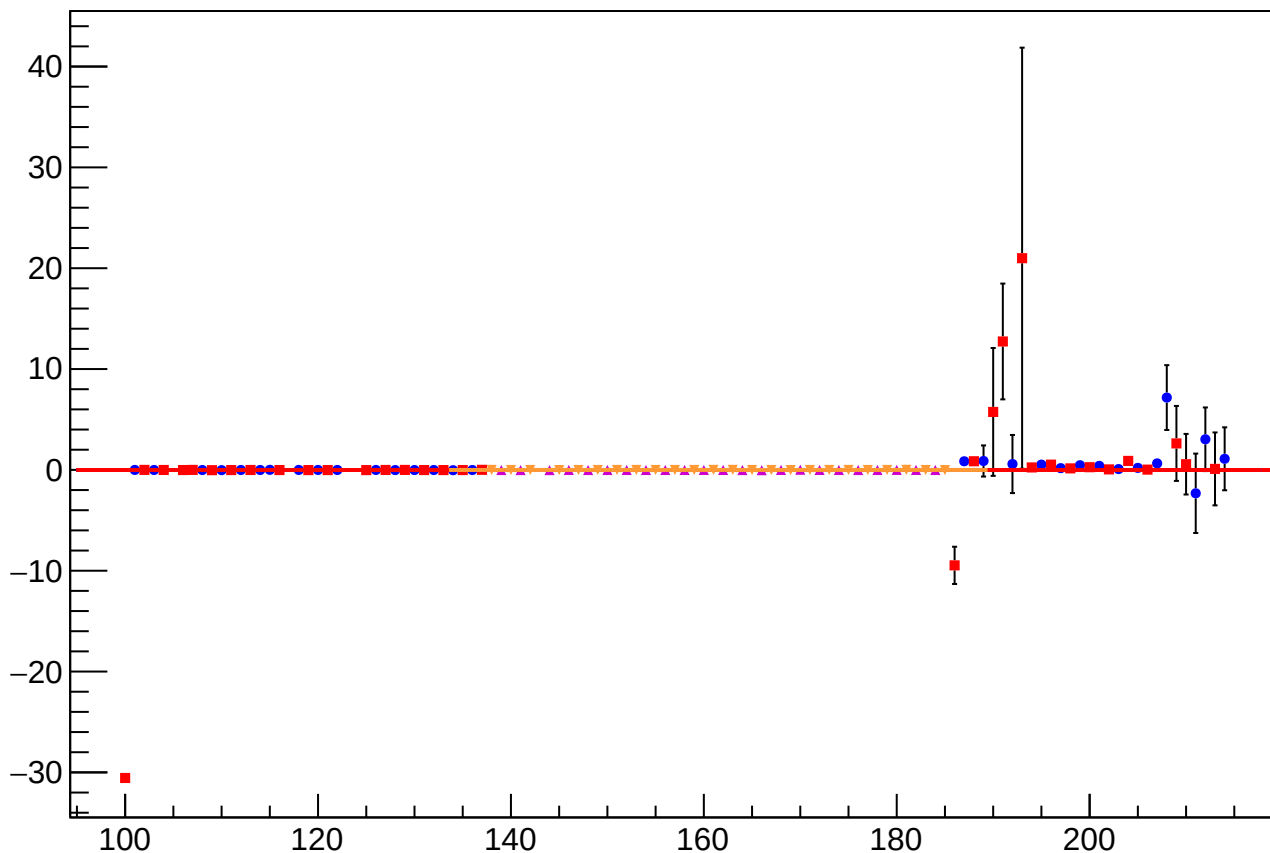
Left In: 0.069 ± 0.020 $\chi^2/\text{NDF}: 31.3/22$

+ sign 0.076 ± 0.017 $\chi^2/\text{NDF}: 77.1/53$

All: 0.071 ± 0.012 $\chi^2/\text{NDF}: 143.6/109$

- sign 0.066 ± 0.017 $\chi^2/\text{NDF}: 66.3/55$

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 48.0/29

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11954.9/32

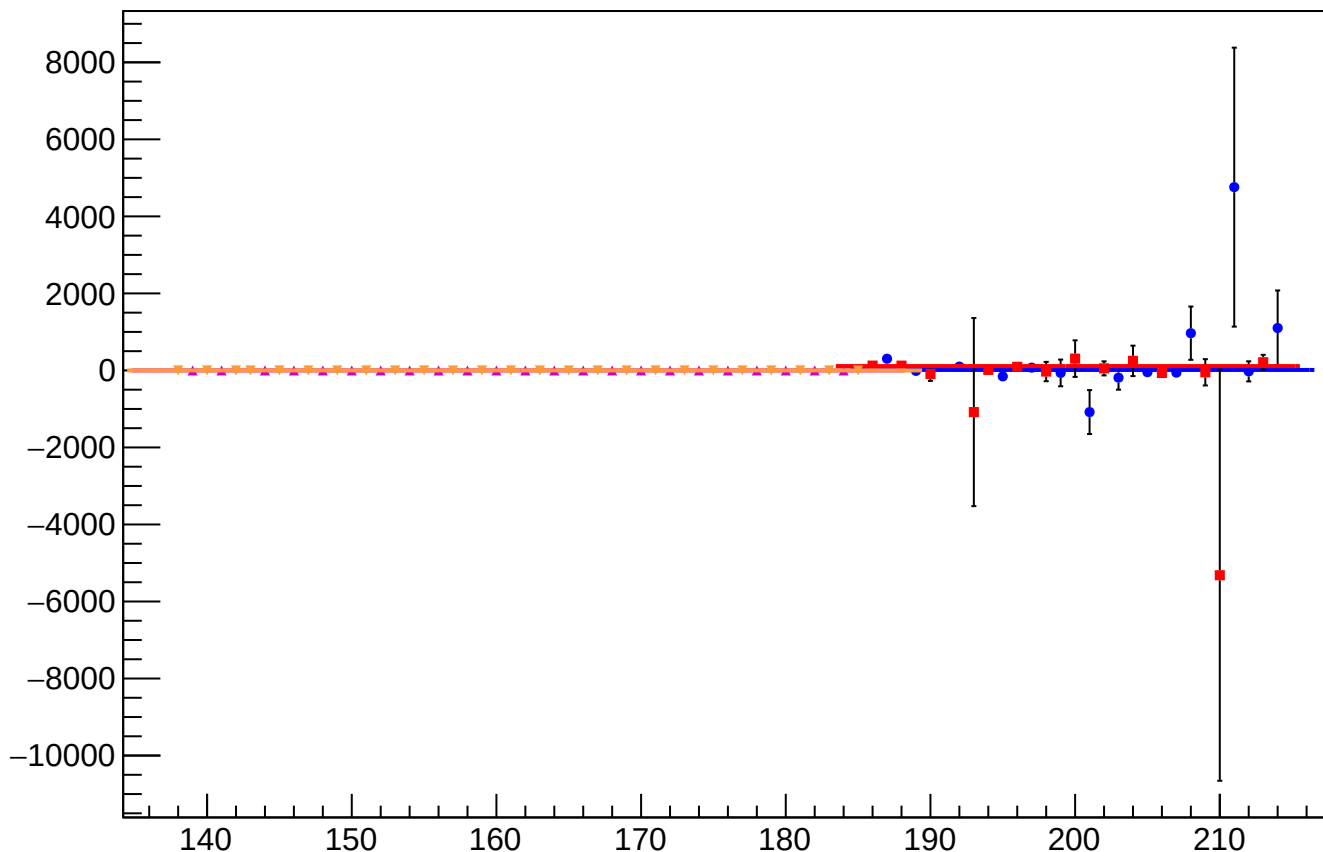
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 81.5/53

All: -0.009 ± 0.001 χ^2/NDF : 12080.0/109

- sign -0.009 ± 0.001 χ^2/NDF : 11998.1/55

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 12.553+/-25.899 χ^2/NDF : 25.2/13

Left Out: 0.017+/-0.027 χ^2/NDF : 30.9/24

Right Out: 113.239+/-16.110 χ^2/NDF : 8.8/13

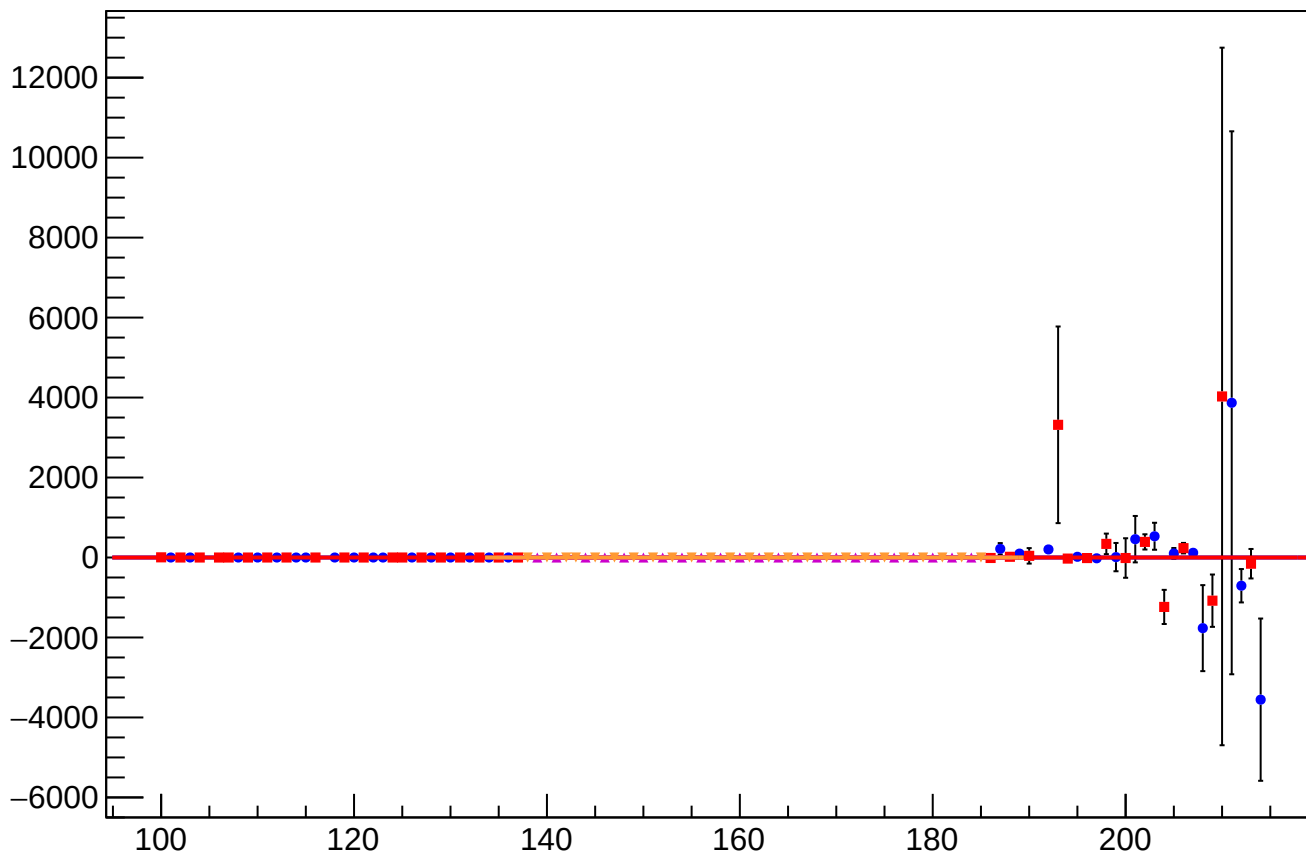
Left In: 0.002+/-0.028 χ^2/NDF : 29.0/22

+ sign 0.017+/-0.027 χ^2/NDF : 56.4/38

All: 0.010+/-0.019 χ^2/NDF : 143.7/75

- sign 0.003+/-0.028 χ^2/NDF : 87.2/36

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 48.0/30

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 41.4/32

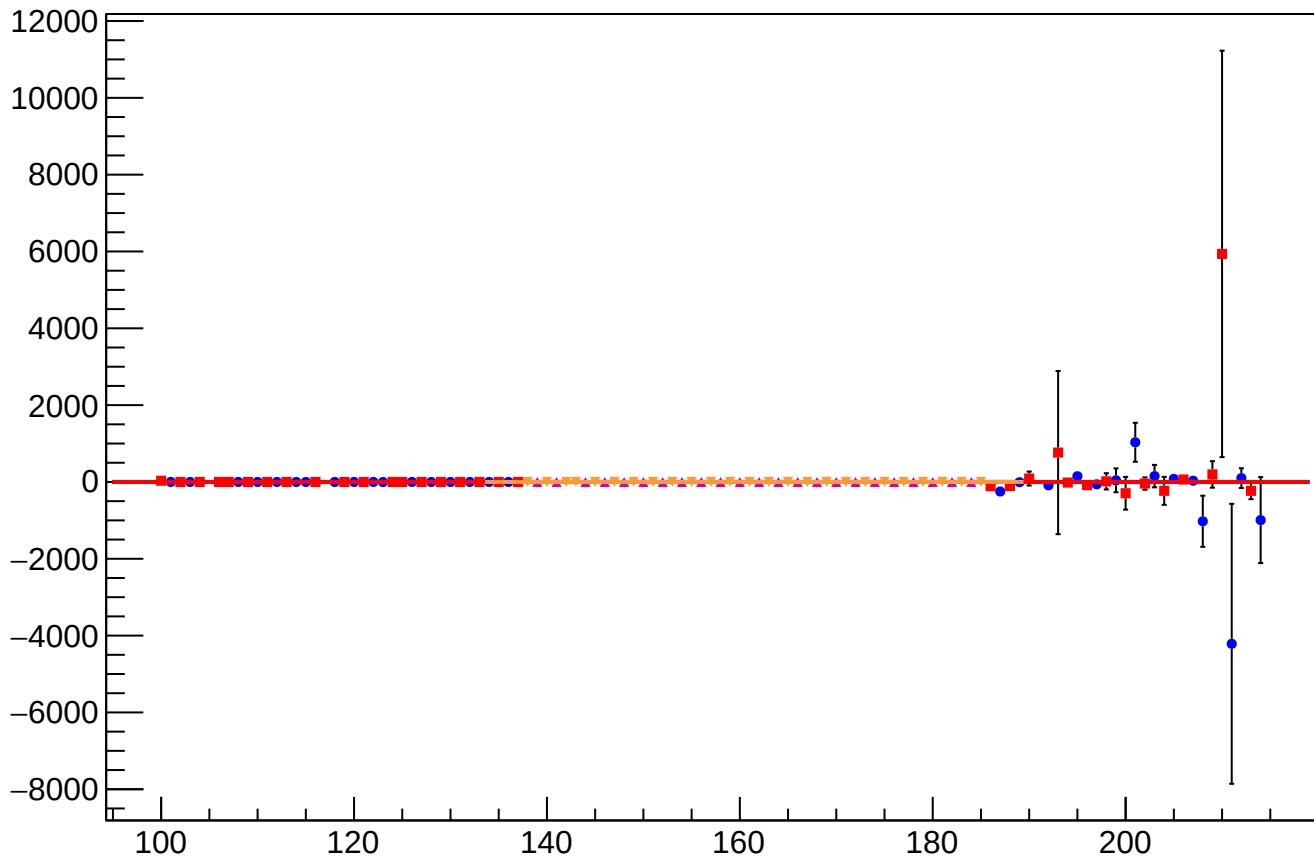
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 73.4/55

All: -0.066 ± 0.013 χ^2/NDF : 166.4/111

- sign -0.083 ± 0.019 χ^2/NDF : 91.5/55

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 50.8/30

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 81.8/32

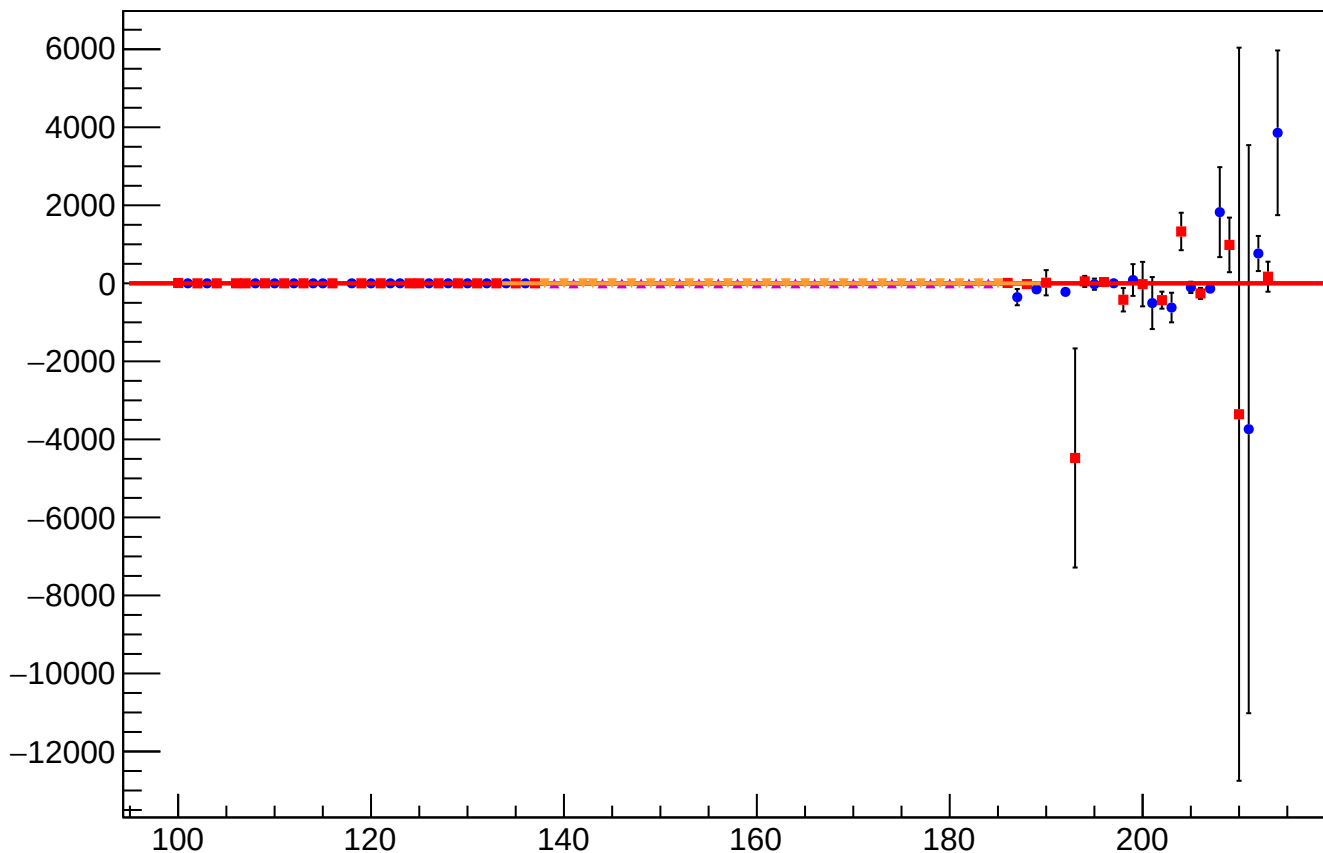
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 82.4/55

All: -0.042 ± 0.018 χ^2/NDF : 196.0/111

- sign -0.050 ± 0.026 χ^2/NDF : 113.4/55

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 $\pm$ 0.043 χ^2 /NDF: 47.1/30

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 38.9/32

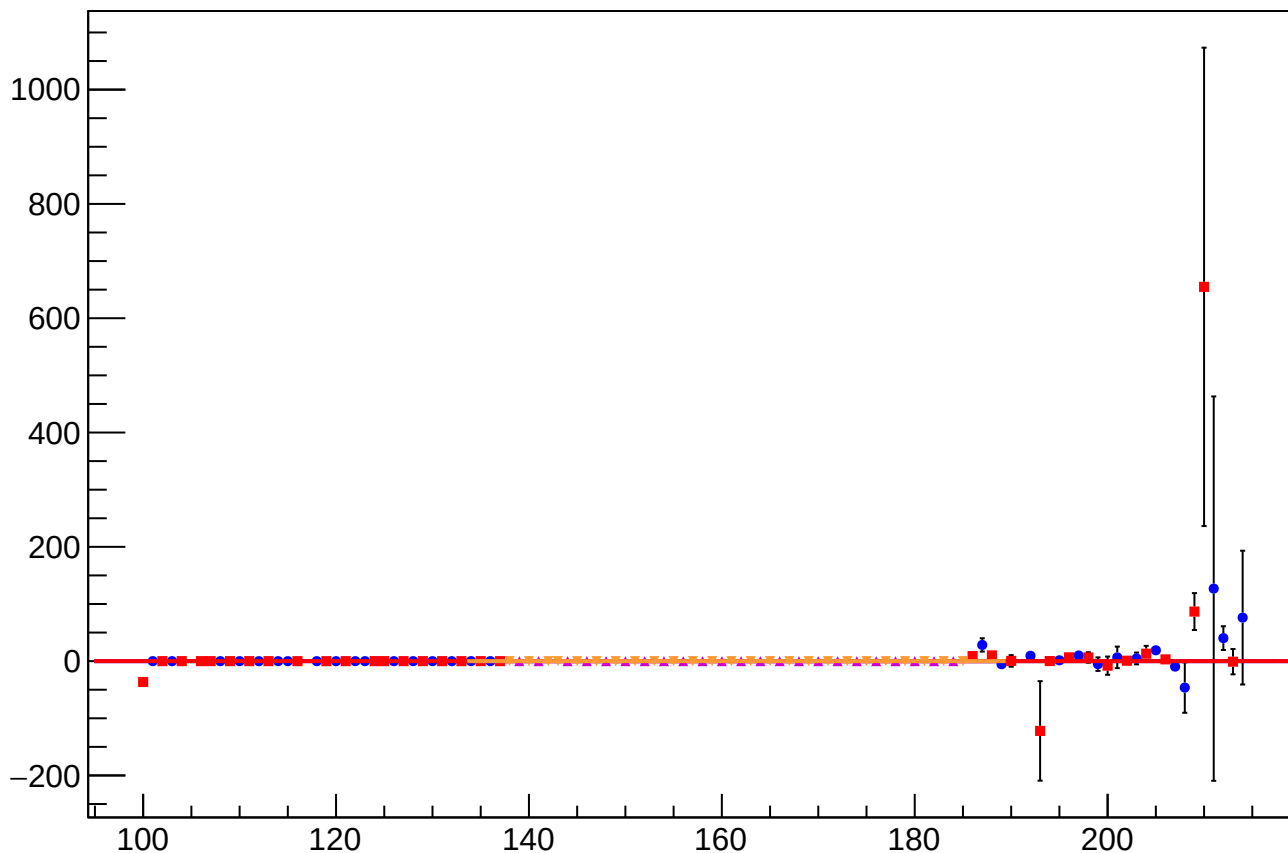
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 72.5/55

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 166.7/111

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 92.9/55

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 ± 0.002 χ^2/NDF : 68.3/30

Left Out: 0.008 ± 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 10484.0/32

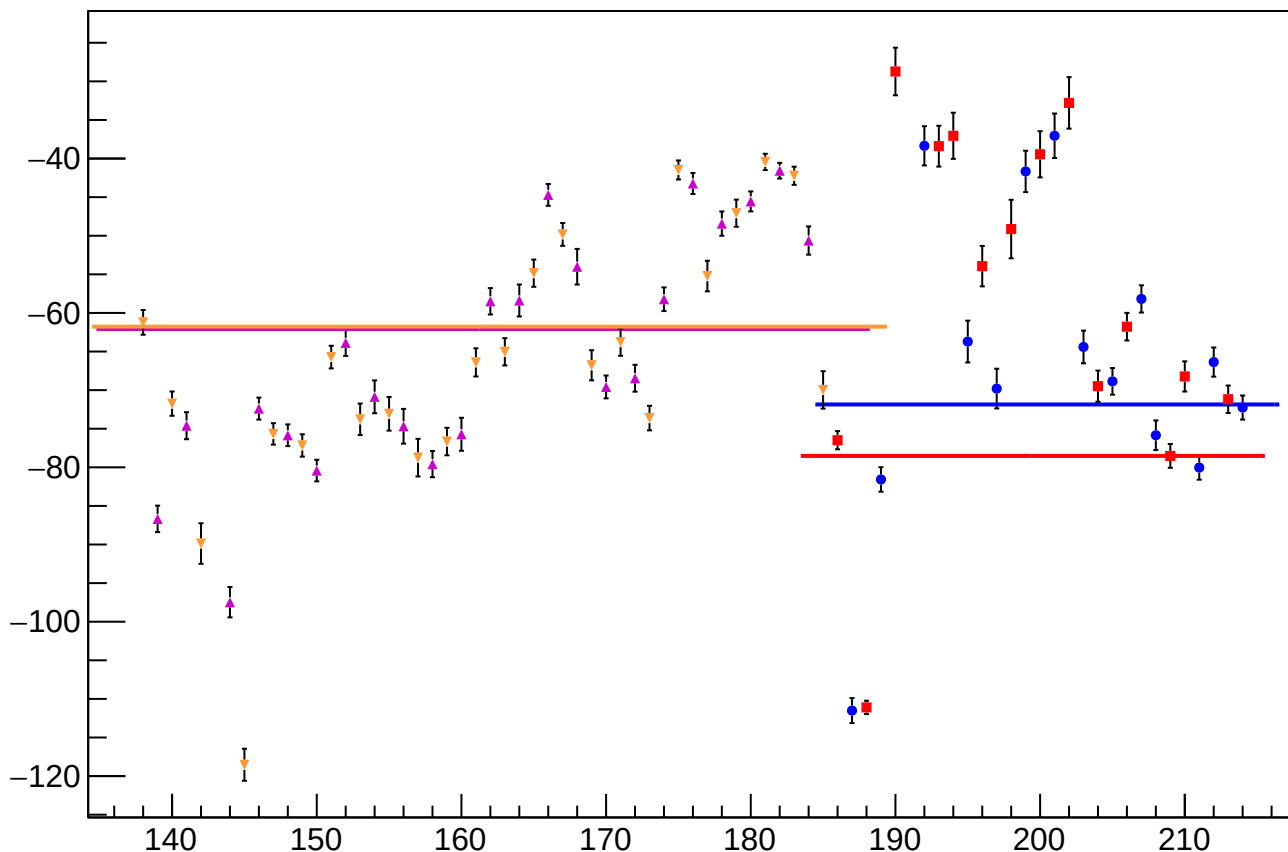
Left In: 0.009 ± 0.001 χ^2/NDF : 15.0/22

+ sign 0.007 ± 0.001 χ^2/NDF : 102.7/55

All: 0.007 ± 0.001 χ^2/NDF : 10612.2/111

- sign 0.007 ± 0.001 χ^2/NDF : 10509.4/55

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.858 $\pm$ 0.517 χ^2/NDF : 1210.4/13

Left Out: -61.771 $\pm$ 0.334 χ^2/NDF : 2504.9/23

Right Out: -78.521 $\pm$ 0.477 χ^2/NDF : 2767.1/13

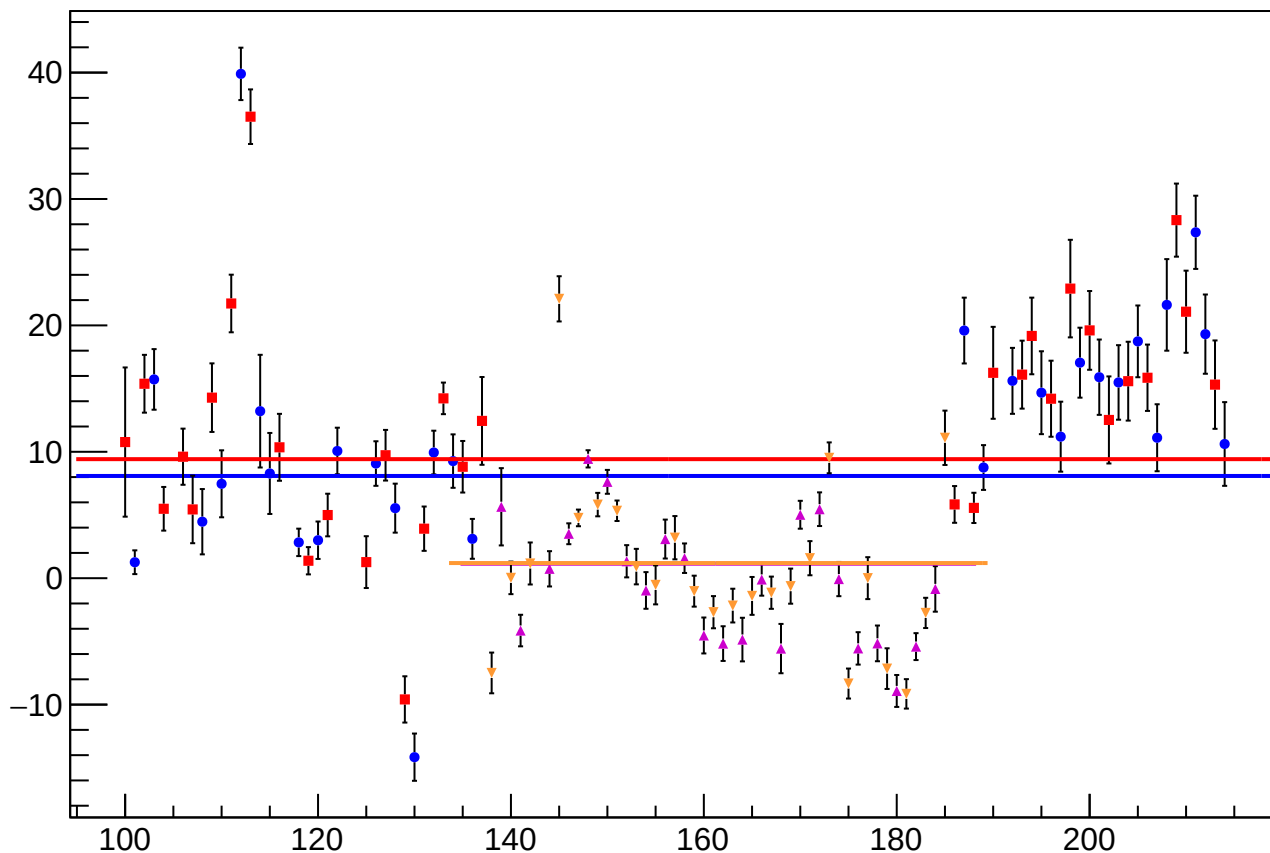
Left In: -62.073 $\pm$ 0.332 χ^2/NDF : 2192.0/22

+ sign -64.737 $\pm$ 0.281 χ^2/NDF : 3983.7/37

All: -66.130 $\pm$ 0.196 χ^2/NDF : 9791.0/74

- sign -67.446 $\pm$ 0.273 χ^2/NDF : 5759.3/36

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 8.088 ± 0.371 χ^2/NDF : 637.1/29

Left Out: 1.198 ± 0.253 χ^2/NDF : 526.3/23

Right Out: 9.418 ± 0.371 χ^2/NDF : 547.0/31

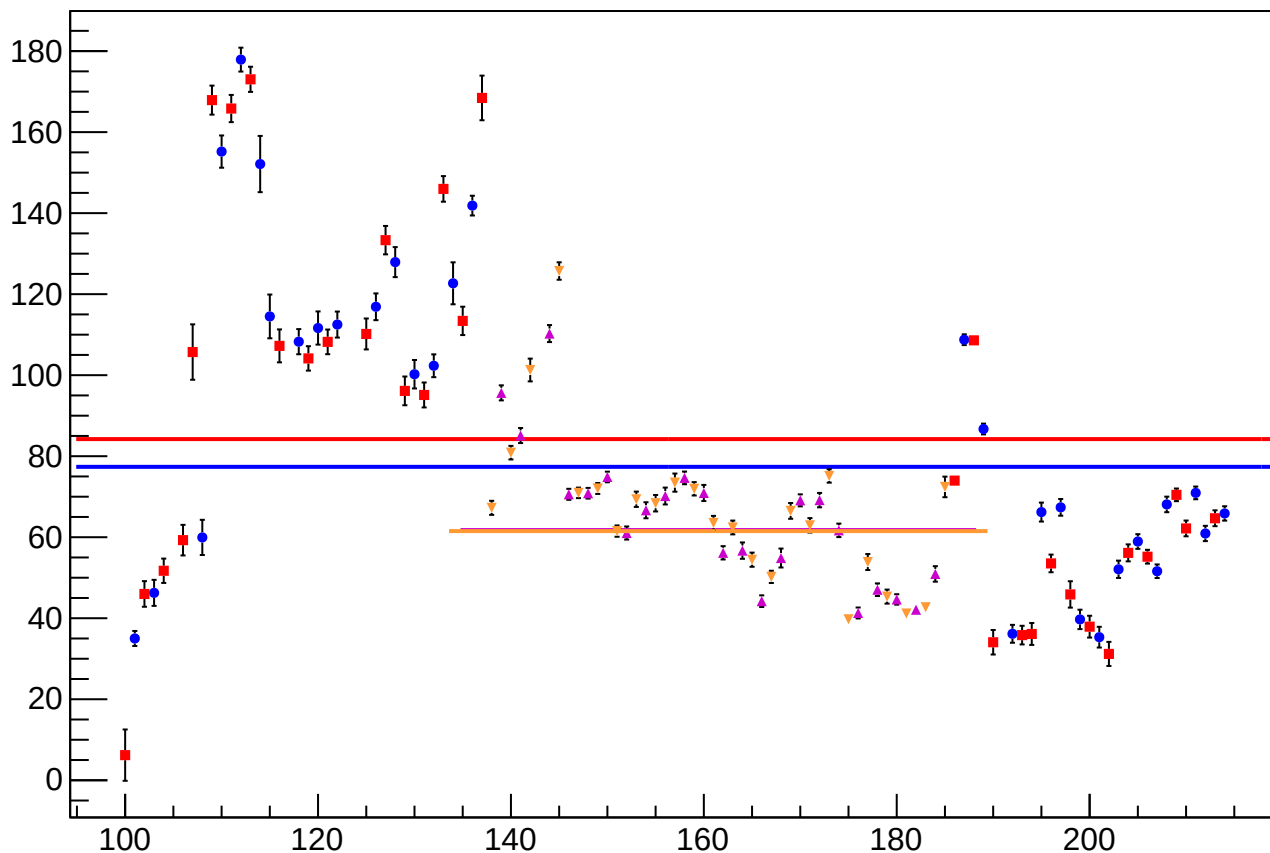
Left In: 1.146 ± 0.255 χ^2/NDF : 462.9/22

+ sign 3.380 ± 0.209 χ^2/NDF : 1399.1/53

All: 3.592 ± 0.148 χ^2/NDF : 2748.7/108

- sign 3.807 ± 0.210 χ^2/NDF : 1347.5/54

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 77.373 $\pm$ 0.417 χ^2 /NDF: 6009.5/29

Left Out: 61.512 $\pm$ 0.332 χ^2 /NDF: 2606.0/23

Right Out: 84.222 $\pm$ 0.375 χ^2 /NDF: 7621.2/31

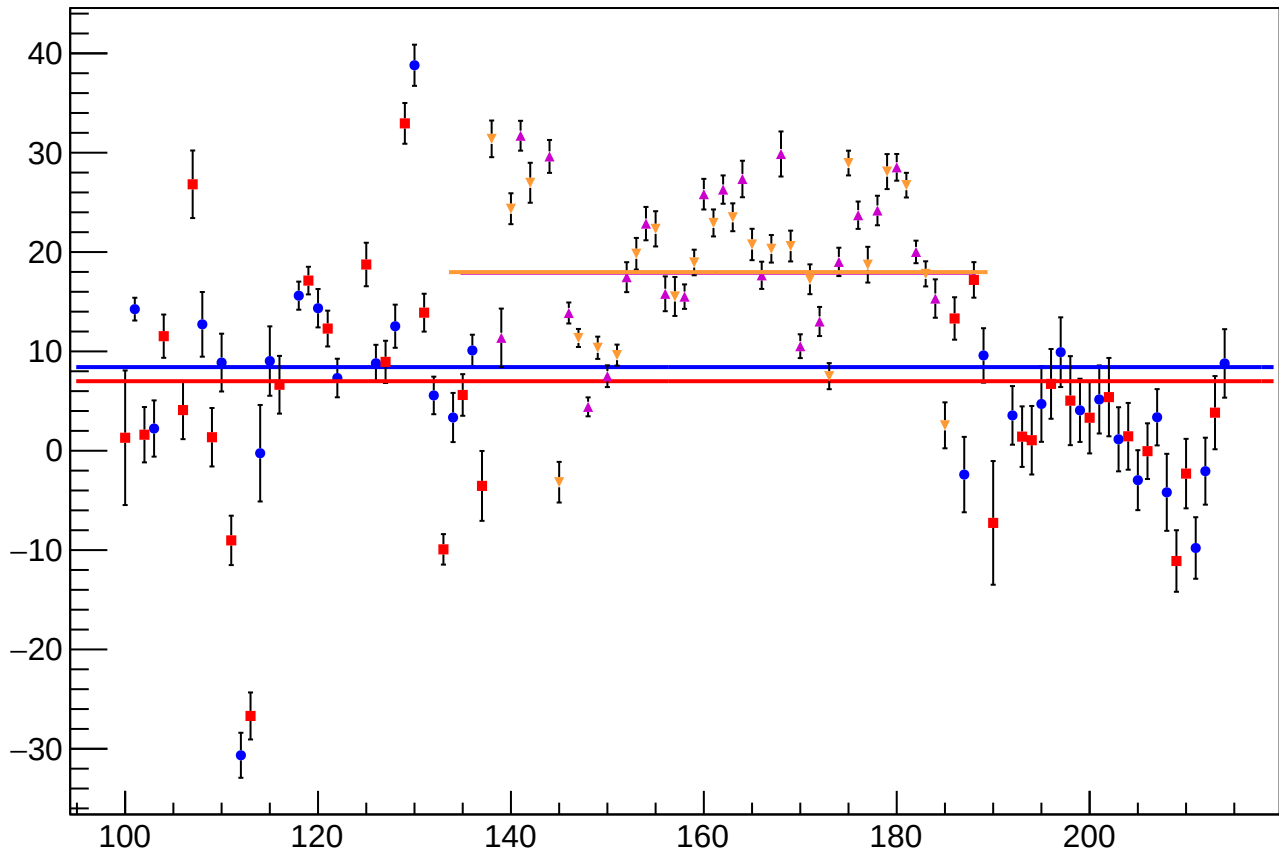
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 67.670 $\pm$ 0.260 χ^2 /NDF: 9499.8/53

All: 69.718 $\pm$ 0.179 χ^2 /NDF: 21682.1/108

- sign 71.576 $\pm$ 0.248 χ^2 /NDF: 12063.9/54

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 8.420 ± 0.432 χ^2/NDF : 686.8/29

Left Out: 17.980 ± 0.291 χ^2/NDF : 674.4/23

Right Out: 7.001 ± 0.441 χ^2/NDF : 792.5/31

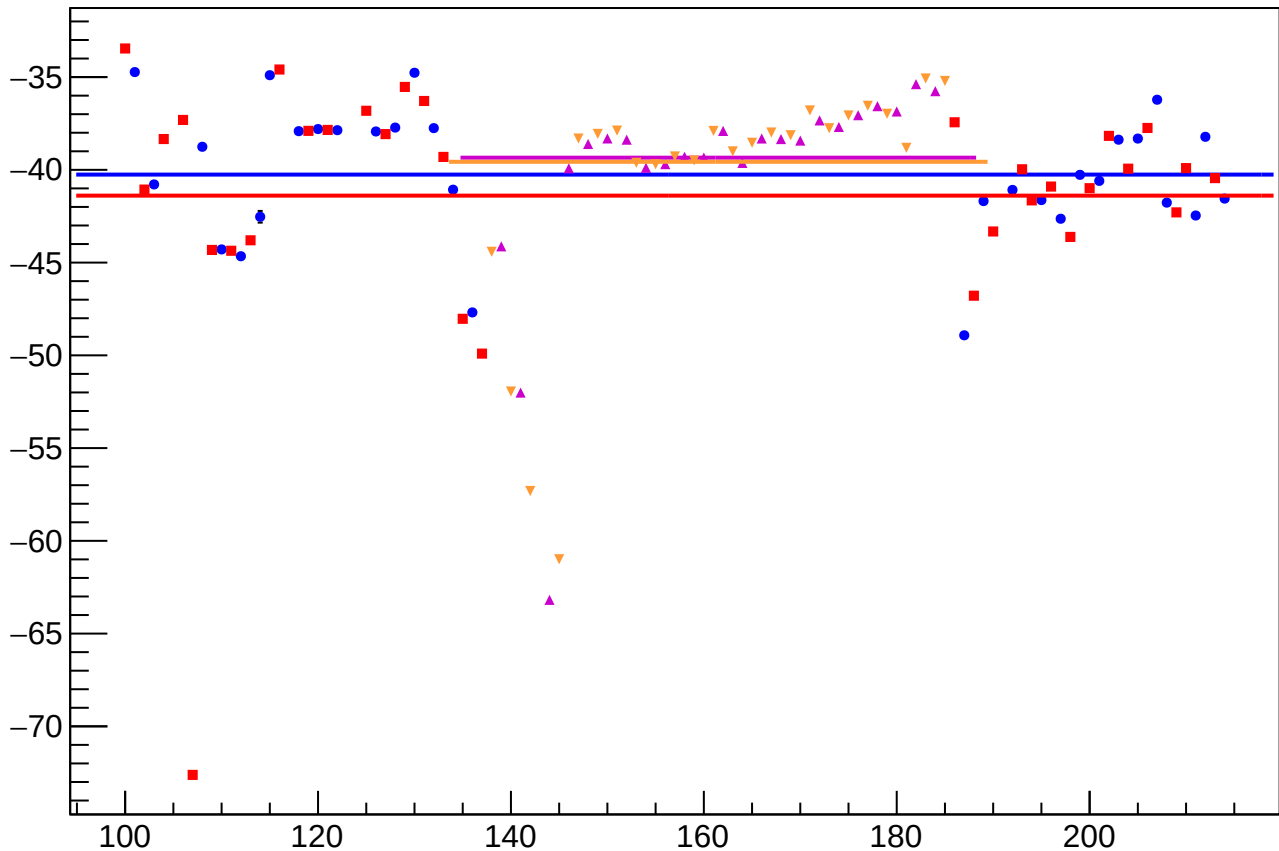
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 15.000 ± 0.241 χ^2/NDF : 1698.0/53

All: 14.795 ± 0.171 χ^2/NDF : 3643.8/108

- sign 14.586 ± 0.244 χ^2/NDF : 1944.3/54

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.256 ± 0.021 χ^2/NDF : 29890.6/29

Left Out: -39.566 ± 0.014 χ^2/NDF : 141198.7/23

Right Out: -41.390 ± 0.021 χ^2/NDF : 68706.0/31

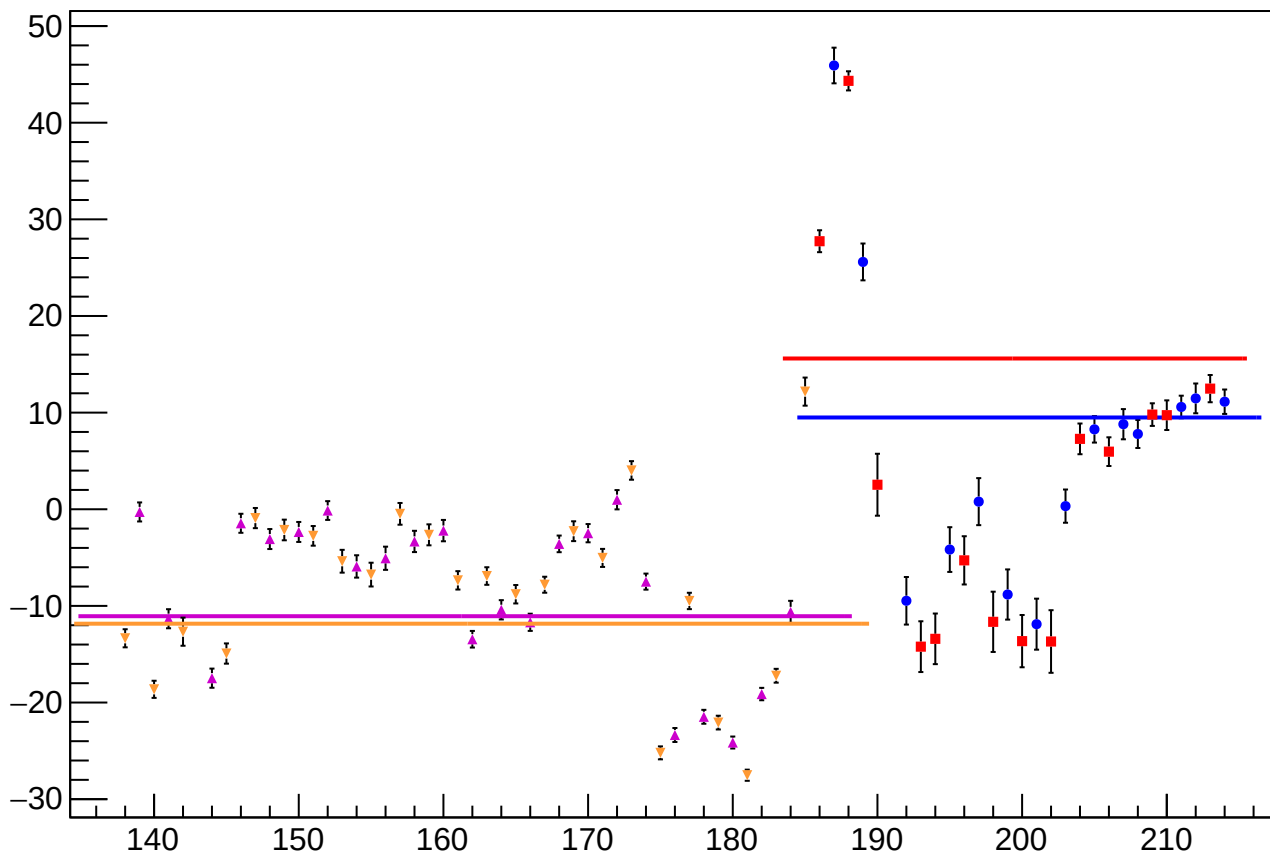
Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

+ sign -39.767 ± 0.012 χ^2/NDF : 171825.1/53

All: -39.850 ± 0.008 χ^2/NDF : 363764.1/108

- sign -39.932 ± 0.011 χ^2/NDF : 191836.3/54

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 9.497 ± 0.451 χ^2/NDF : 718.6/13

Left Out: -11.842 ± 0.187 χ^2/NDF : 2739.8/23

Right Out: 15.601 ± 0.439 χ^2/NDF : 1683.3/13

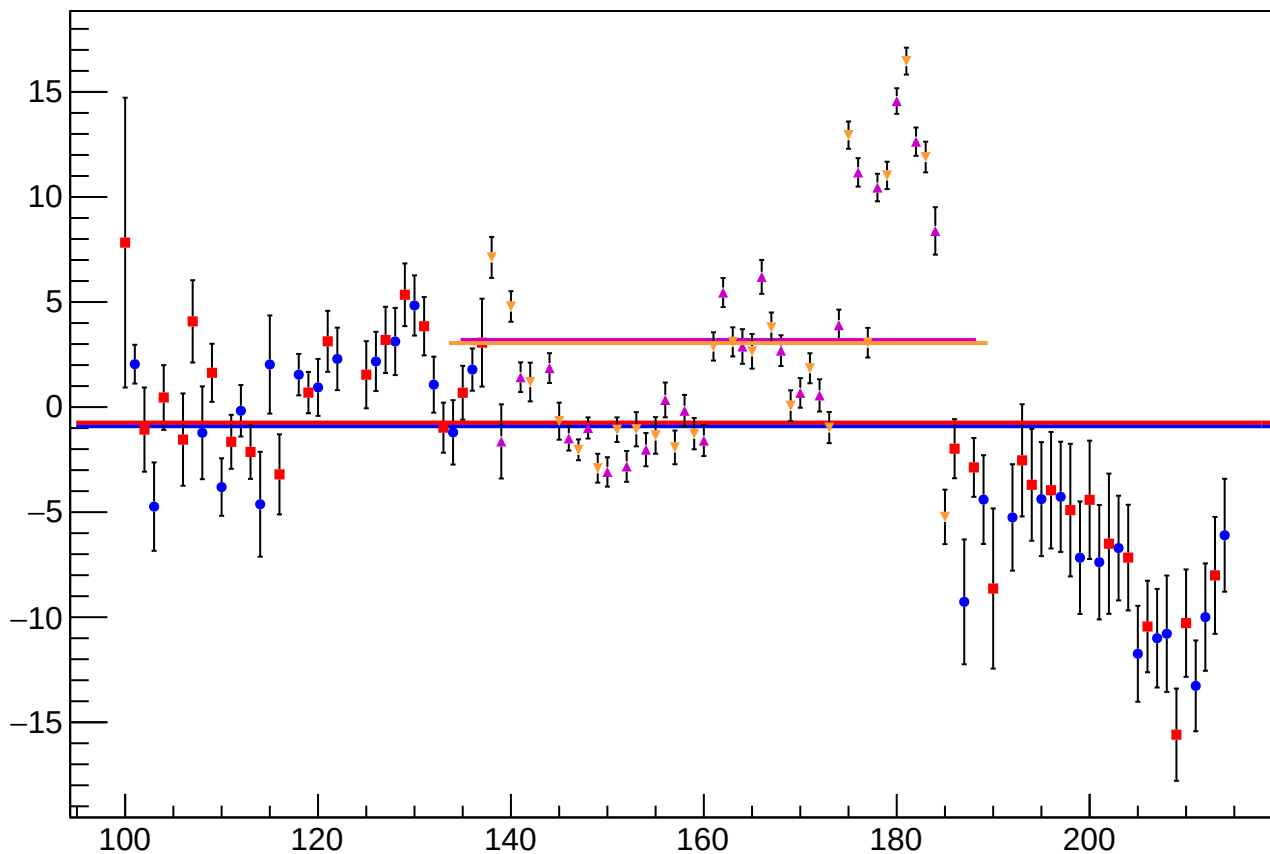
Left In: -11.067 ± 0.188 χ^2/NDF : 2104.8/22

+ sign -8.715 ± 0.173 χ^2/NDF : 5370.3/37

All: -7.827 ± 0.122 χ^2/NDF : 12329.6/74

- sign -6.936 ± 0.173 χ^2/NDF : 6906.2/36

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.910 ± 0.305 χ^2/NDF : 207.8/29

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: -0.736 ± 0.306 χ^2/NDF : 174.1/31

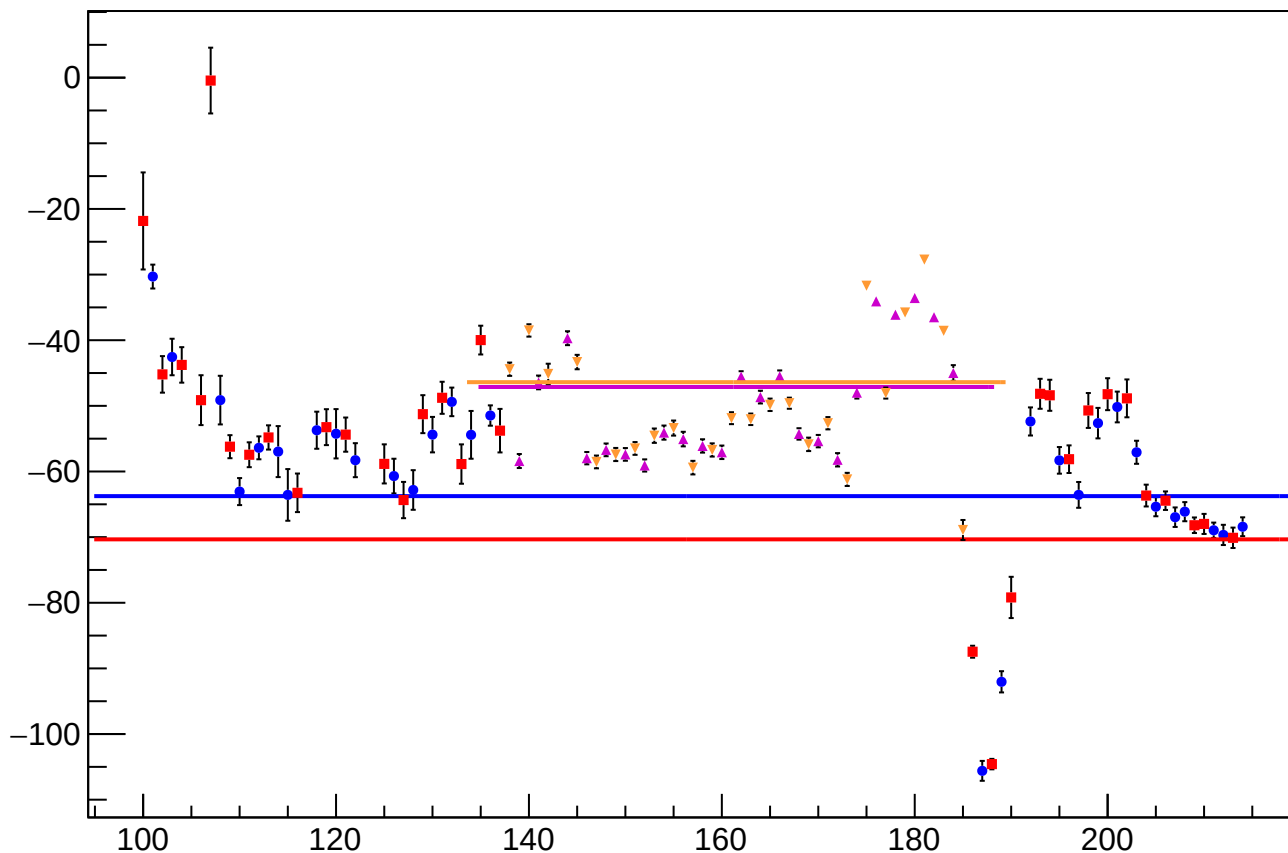
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.293 ± 0.133 χ^2/NDF : 1801.4/53

All: 2.363 ± 0.095 χ^2/NDF : 3403.8/108

- sign 2.434 ± 0.135 χ^2/NDF : 1601.9/54

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -63.753+/-0.356 χ^2/NDF : 1811.3/29

Left Out: -46.392+/-0.187 χ^2/NDF : 3286.7/23

Right Out: -70.340+/-0.334 χ^2/NDF : 3732.5/31

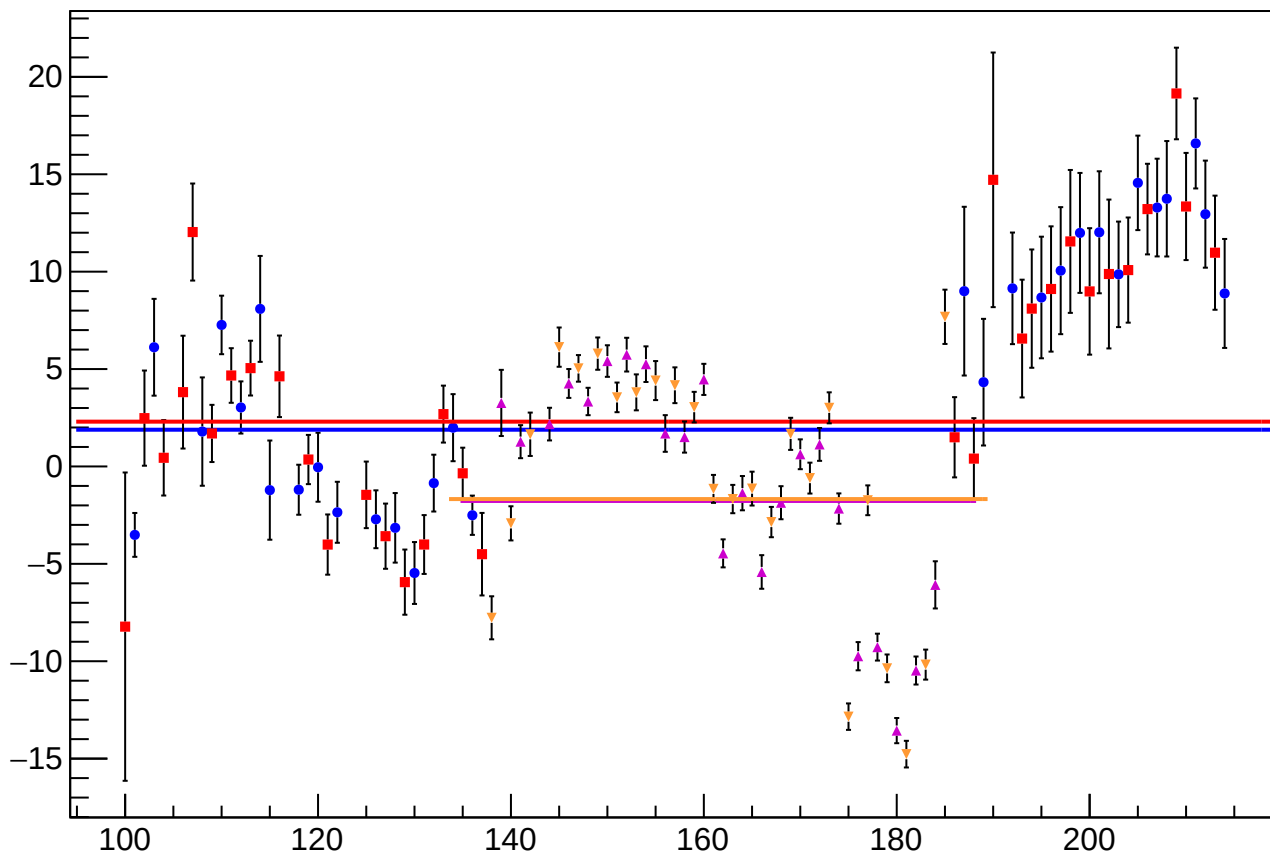
Left In: -47.128+/-0.187 χ^2/NDF : 2516.0/22

+ sign -50.138+/-0.165 χ^2/NDF : 6966.1/53

All: -51.418+/-0.116 χ^2/NDF : 17004.3/108

- sign -52.669+/-0.163 χ^2/NDF : 9919.5/54

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.886 $\pm$ 0.346 χ^2 /NDF: 299.4/29

Left Out: -1.675 $\pm$ 0.167 χ^2 /NDF:1483.8/23

Right Out: 2.300 $\pm$ 0.353 χ^2 /NDF: 254.5/31

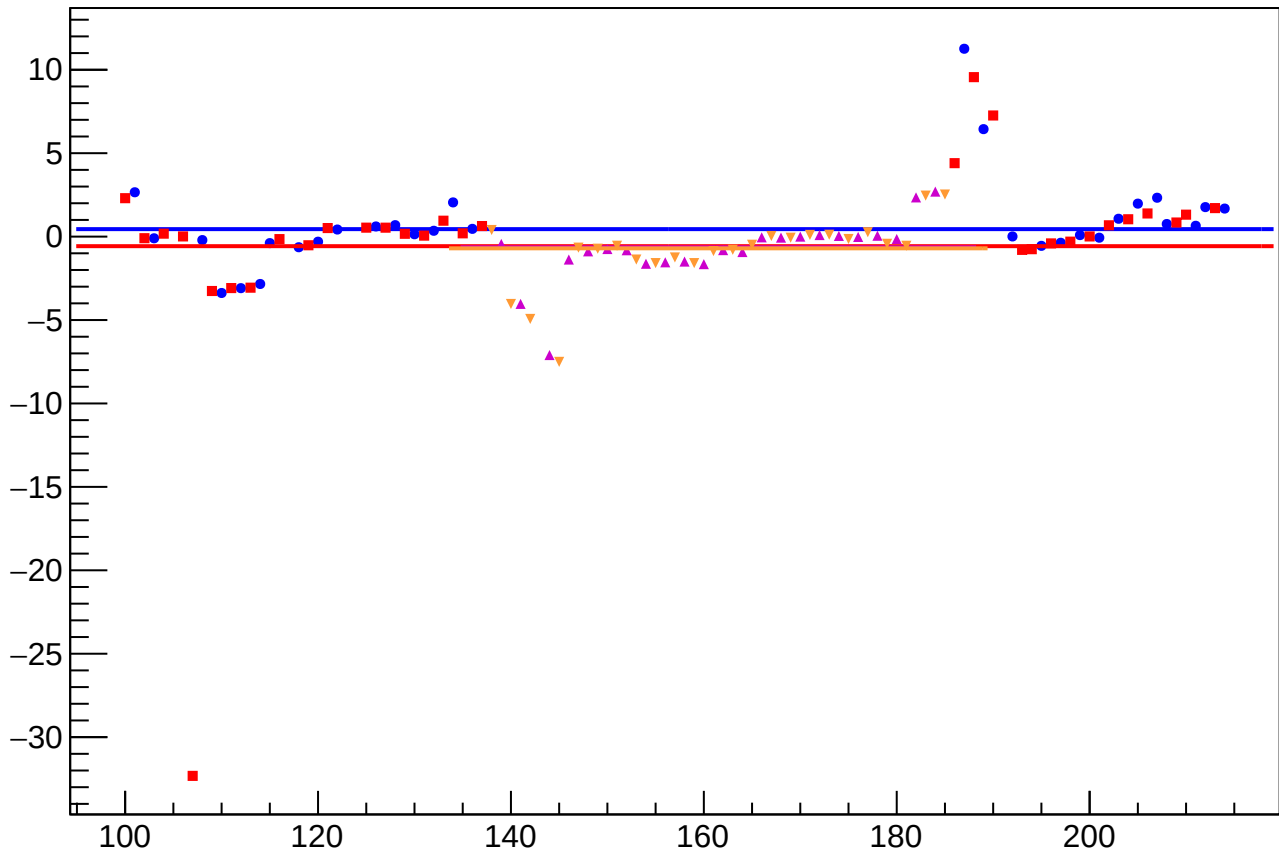
Left In: -1.771 $\pm$ 0.169 χ^2 /NDF:1251.3/22

+ sign -1.002 $\pm$ 0.150 χ^2 /NDF: 1869.1/53

All: -1.007 $\pm$ 0.107 χ^2 /NDF: 3483.2/108

- sign -1.011 $\pm$ 0.152 χ^2 /NDF: 1614.1/54

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.449 ± 0.017 χ^2/NDF : 10146.8/29

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.573 ± 0.017 χ^2/NDF : 94031.1/31

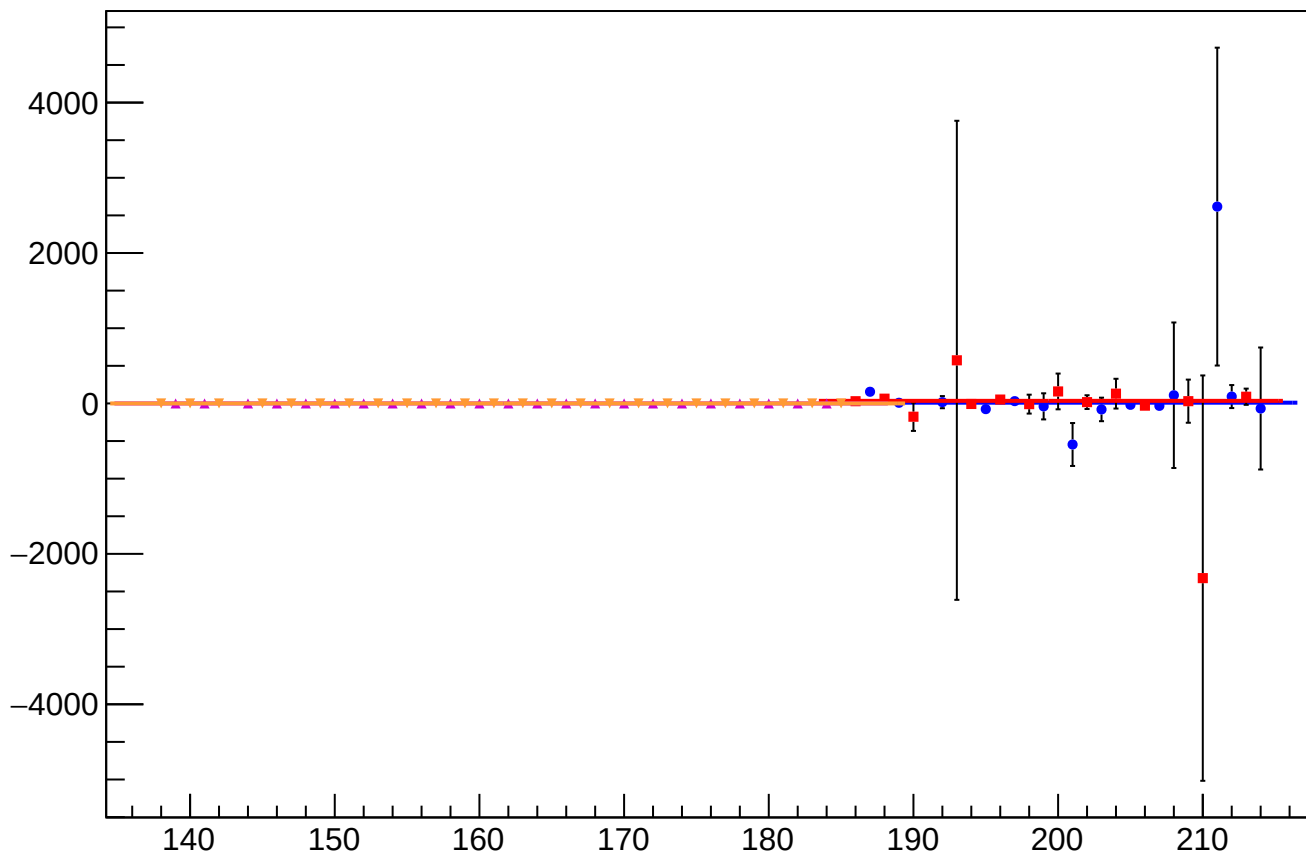
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.515 ± 0.007 χ^2/NDF : 67665.1/53

All: -0.573 ± 0.005 χ^2/NDF : 206020.4/108

- sign -0.632 ± 0.007 χ^2/NDF : 138214.0/54

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 9.936 ± 15.137 χ^2/NDF : 21.2/13

Left Out: -0.037 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 34.398 ± 9.632 χ^2/NDF : 7.6/13

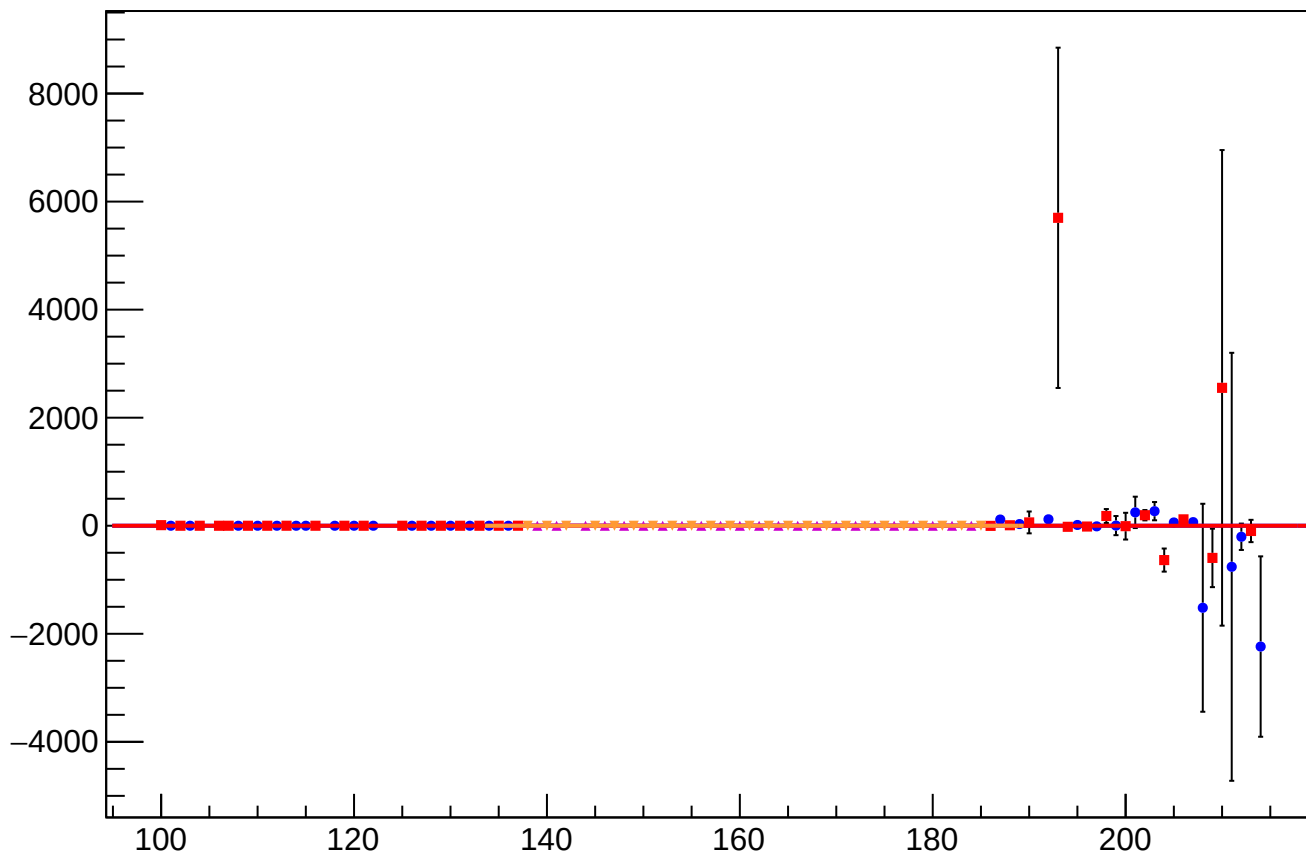
Left In: -0.010 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.037 ± 0.018 χ^2/NDF : 57.1/37

All: -0.024 ± 0.013 χ^2/NDF : 113.7/74

- sign -0.010 ± 0.018 χ^2/NDF : 55.5/36

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013+/-0.023 χ^2/NDF : 26.6/29

Left Out: -0.073+/-0.014 χ^2/NDF : 27.8/23

Right Out: -0.088+/-0.025 χ^2/NDF : 36.6/31

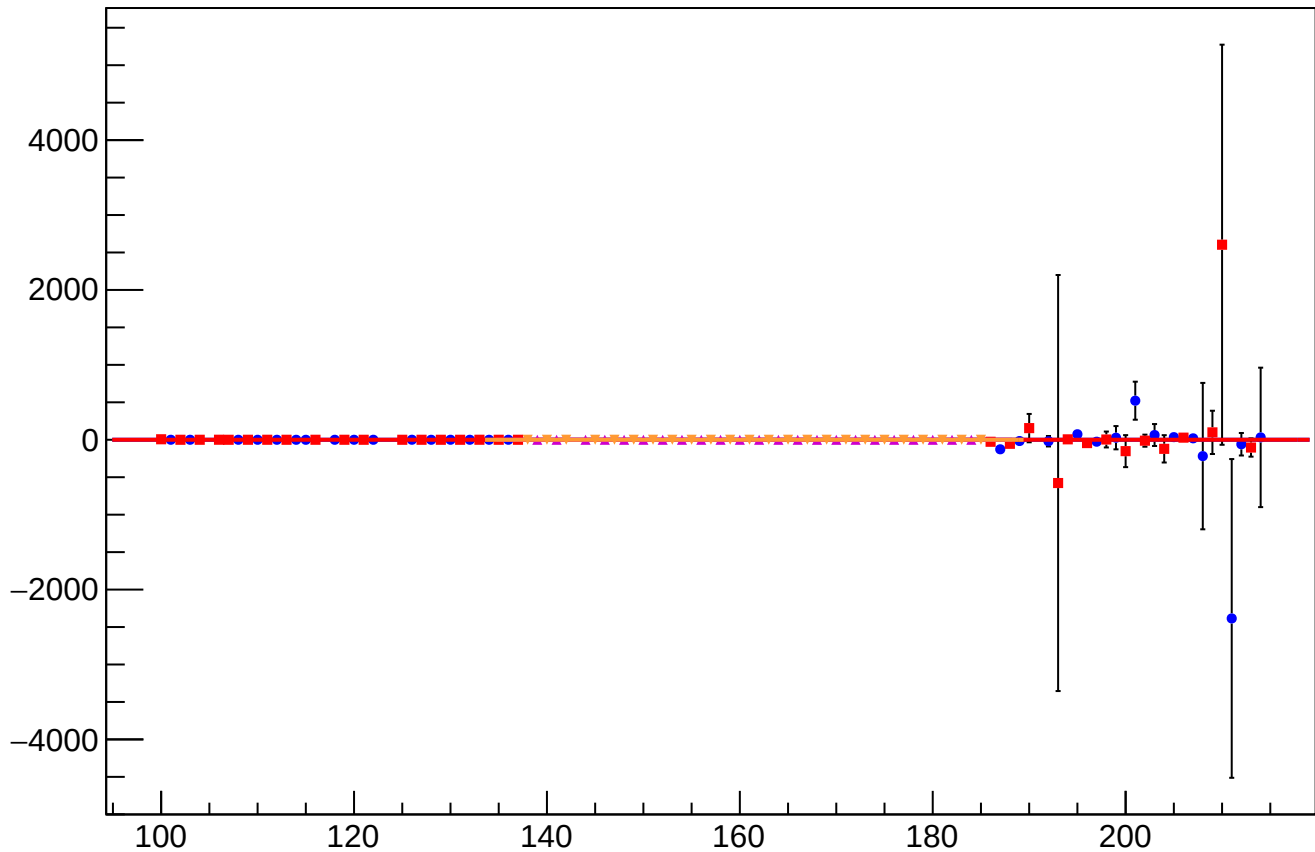
Left In: -0.064+/-0.014 χ^2/NDF : 41.1/22

+ sign -0.057+/-0.012 χ^2/NDF : 59.2/53

All: -0.063+/-0.009 χ^2/NDF : 138.0/108

- sign -0.070+/-0.012 χ^2/NDF : 78.3/54

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 $\pm$ 0.043 χ^2 /NDF: 31.6/29

Left Out: 0.035 $\pm$ 0.018 χ^2 /NDF:32.2/23

Right Out: 0.031 $\pm$ 0.045 χ^2 /NDF: 32.5/31

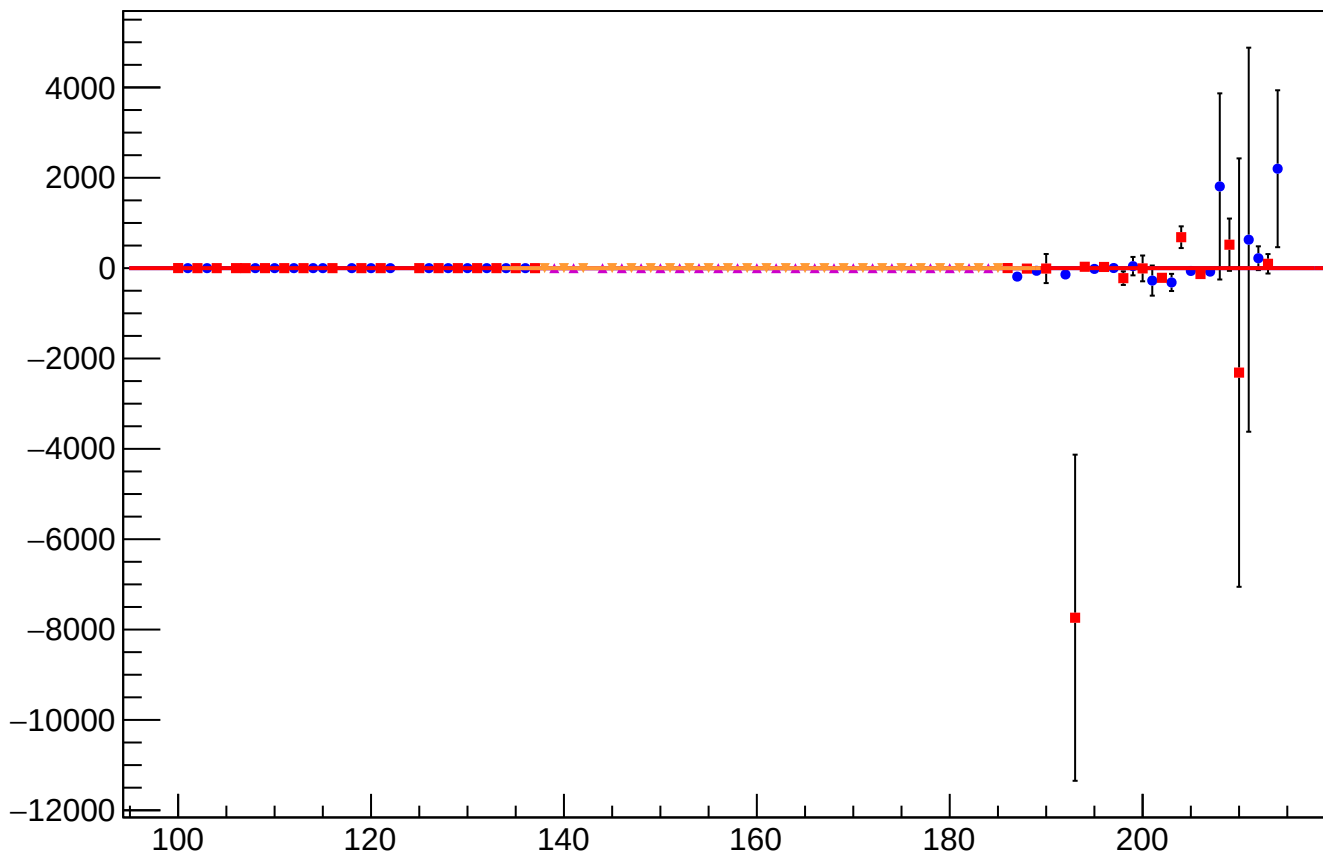
Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:36.8/22

+ sign 0.032 $\pm$ 0.017 χ^2 /NDF: 64.0/53

All: 0.015 $\pm$ 0.012 χ^2 /NDF: 136.2/108

- sign -0.003 $\pm$ 0.017 χ^2 /NDF: 70.0/54

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 ± 0.027 $\chi^2/\text{NDF}: 27.8/29$

Left Out: 0.086 ± 0.016 $\chi^2/\text{NDF}: 27.7/23$

Right Out: 0.105 ± 0.029 $\chi^2/\text{NDF}: 32.0/31$

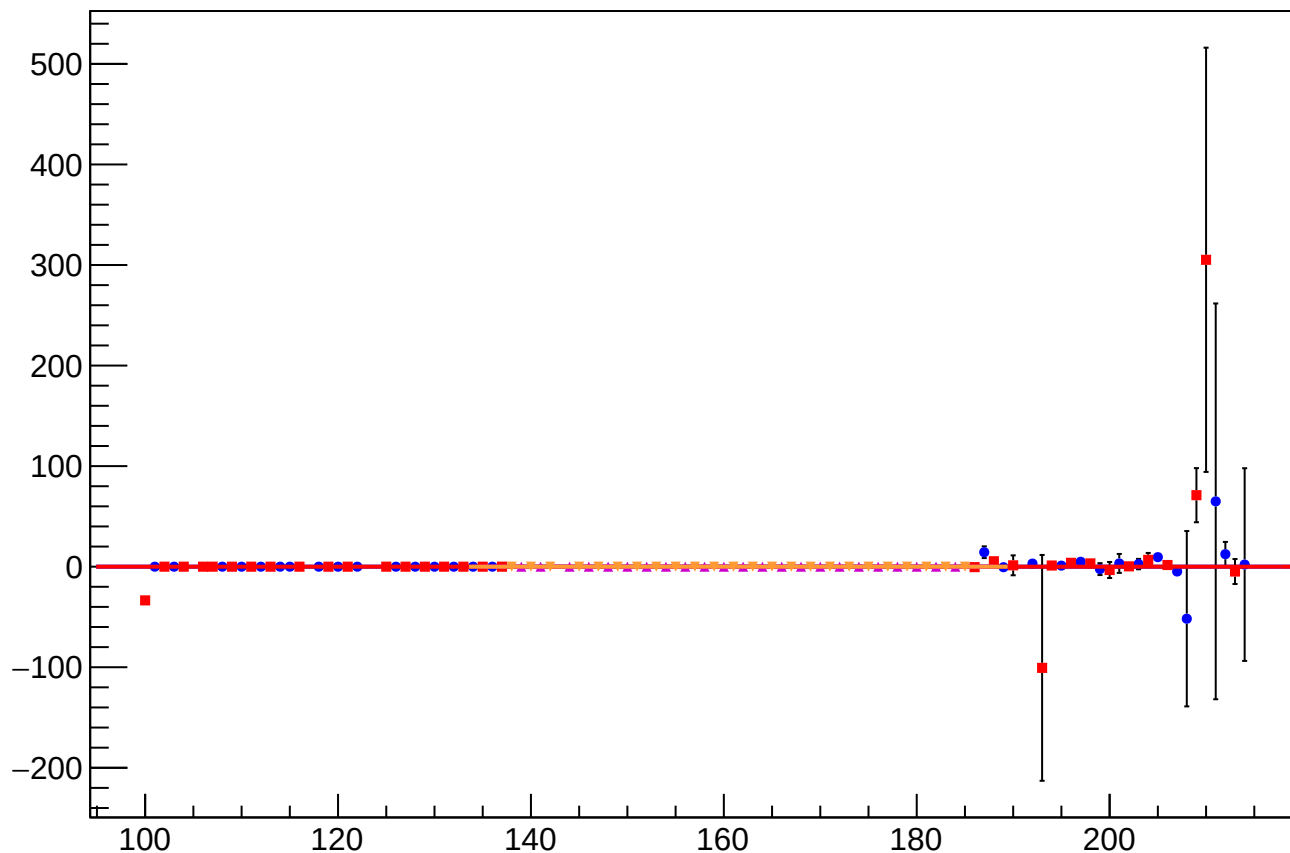
Left In: 0.070 ± 0.016 $\chi^2/\text{NDF}: 44.8/22$

+ sign 0.066 ± 0.014 $\chi^2/\text{NDF}: 61.6/53$

All: 0.072 ± 0.010 $\chi^2/\text{NDF}: 139.9/108$

- sign 0.078 ± 0.014 $\chi^2/\text{NDF}: 78.0/54$

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 47.8/29

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26530.8/31

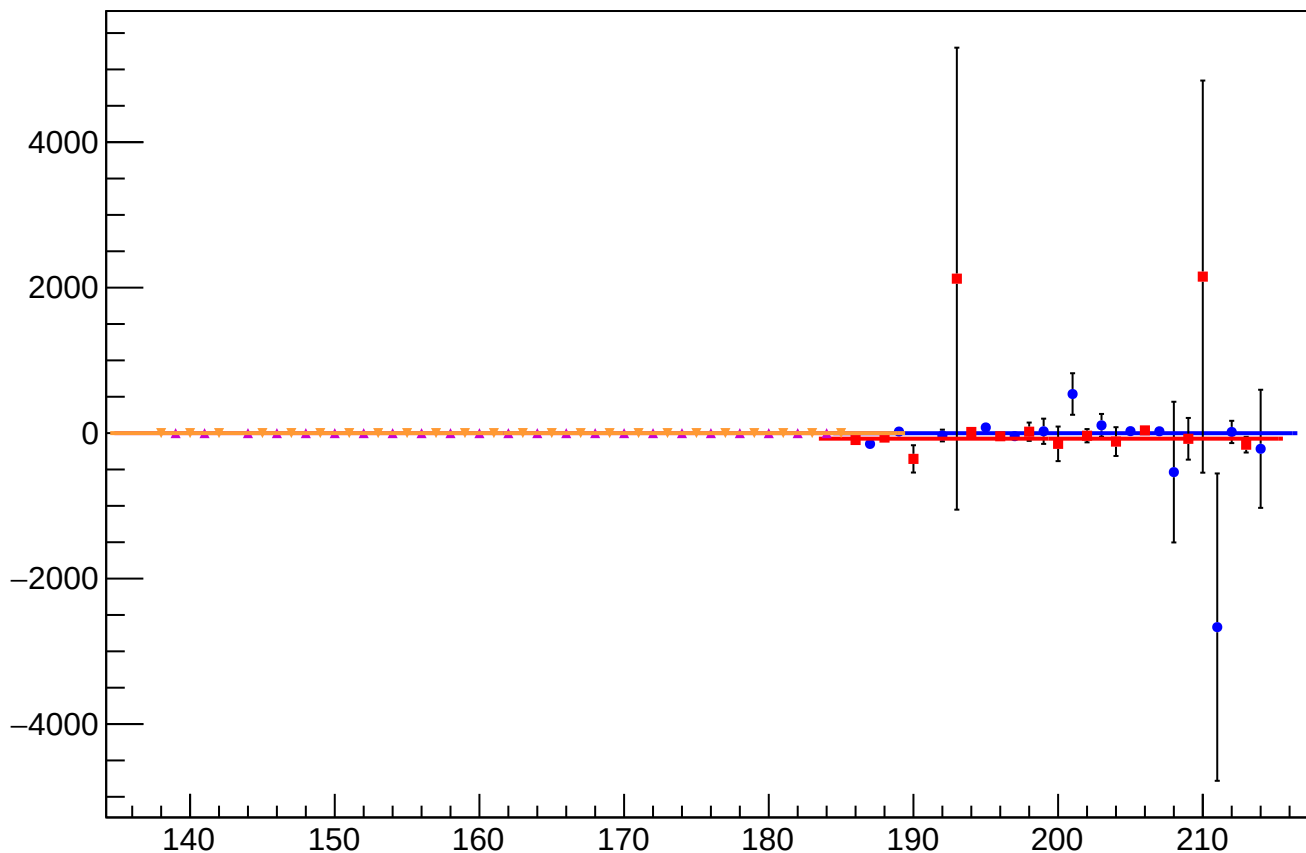
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 84.2/53

All: -0.001 ± 0.000 χ^2/NDF : 26651.3/108

- sign -0.001 ± 0.001 χ^2/NDF : 26567.0/54

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -1.264 ± 15.133 χ^2/NDF : 21.8/13

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -76.199 ± 9.635 χ^2/NDF : 16.6/13

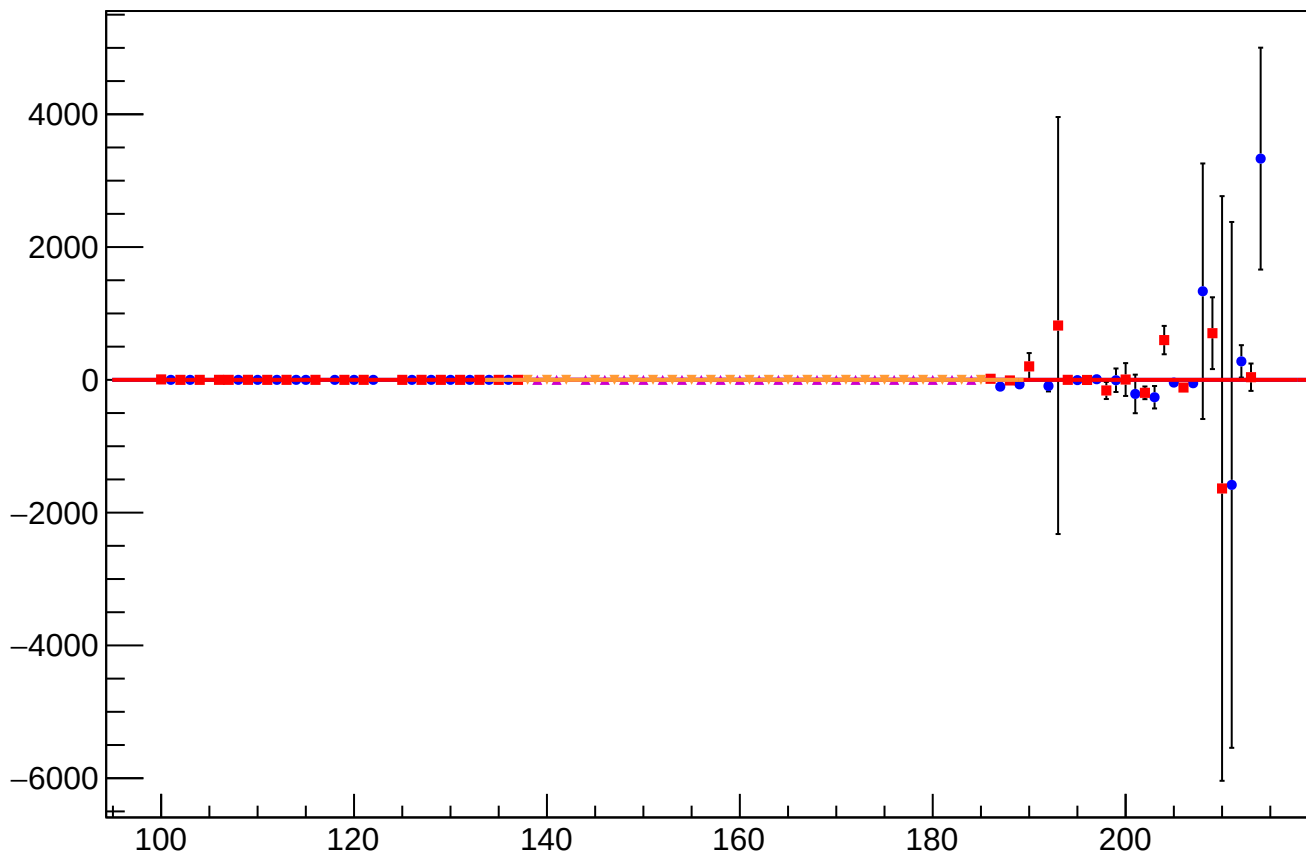
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 59.2/37

All: -0.031 ± 0.013 χ^2/NDF : 176.2/74

- sign -0.009 ± 0.018 χ^2/NDF : 114.2/36

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.007 $\pm$ 0.023 χ^2 /NDF: 43.2/29

Left Out: -0.011 $\pm$ 0.014 χ^2 /NDF: 29.6/23

Right Out: 0.037 $\pm$ 0.025 χ^2 /NDF: 49.6/31

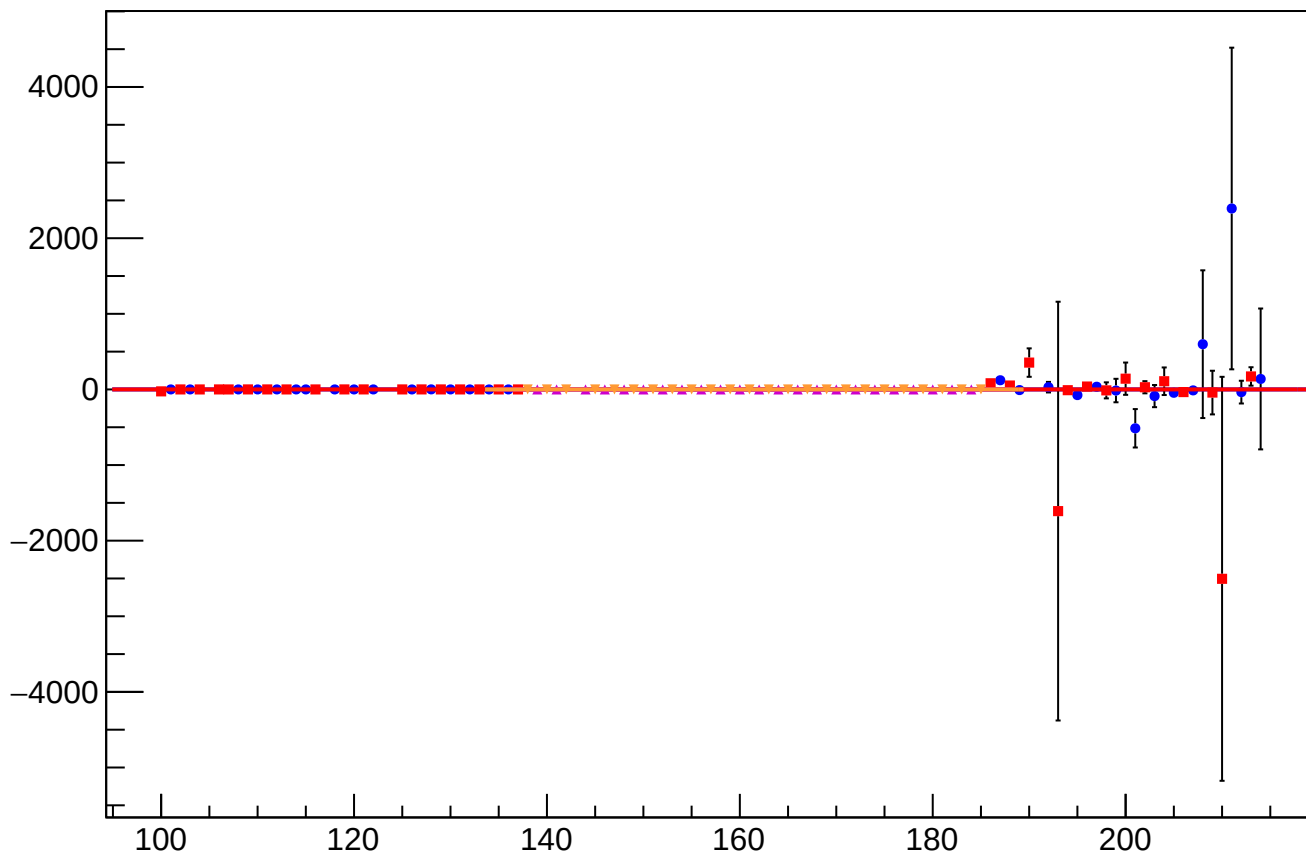
Left In: 0.005 $\pm$ 0.014 χ^2 /NDF: 49.6/22

+ sign -0.006 $\pm$ 0.012 χ^2 /NDF: 73.2/53

All: 0.003 $\pm$ 0.009 χ^2 /NDF: 174.8/108

- sign 0.013 $\pm$ 0.012 χ^2 /NDF: 100.4/54

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 51.9/29

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF: 35.4/23

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 111.5/31

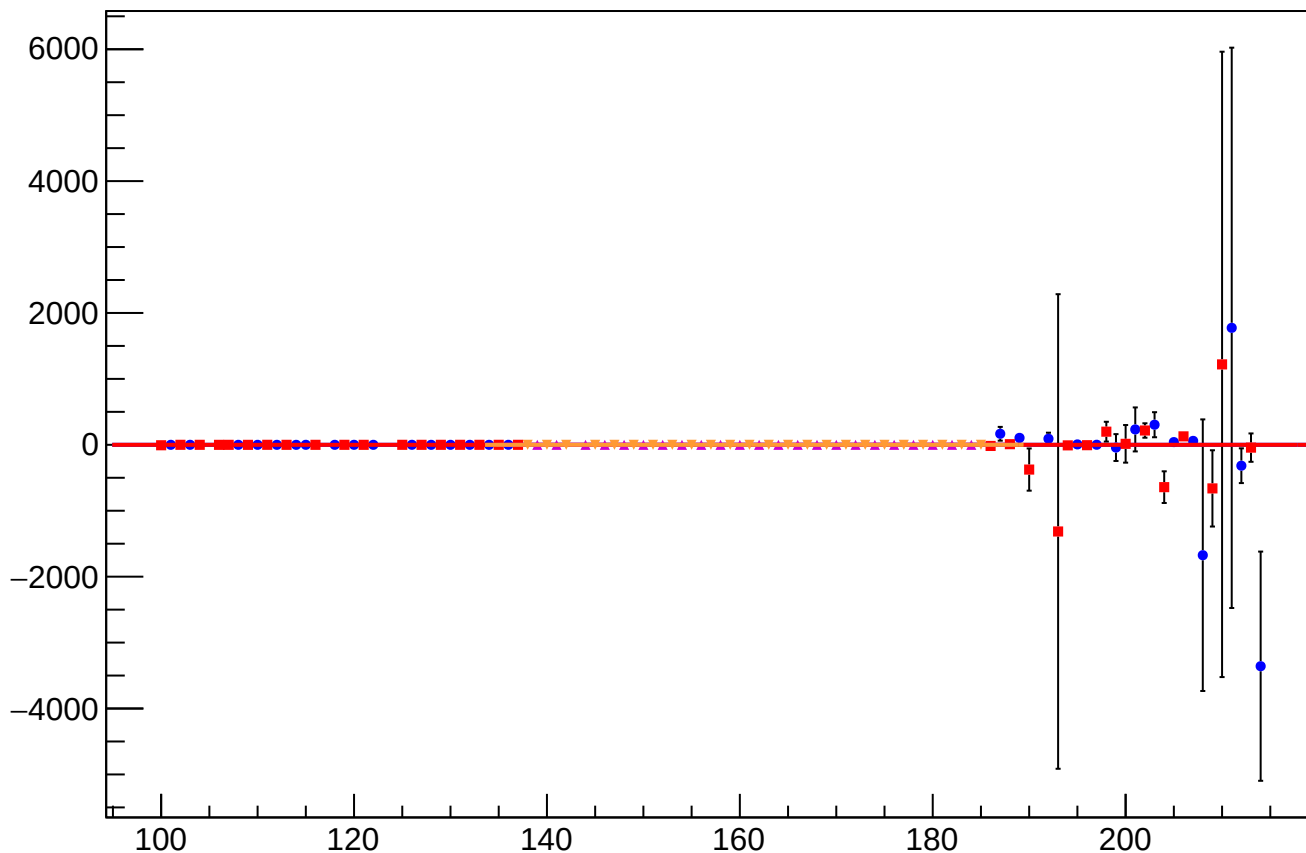
Left In: 0.020 $\pm$ 0.018 χ^2 /NDF: 35.8/22

+ sign 0.064 $\pm$ 0.017 χ^2 /NDF: 92.8/53

All: 0.054 $\pm$ 0.012 χ^2 /NDF: 254.2/108

- sign 0.044 $\pm$ 0.017 χ^2 /NDF: 160.7/54

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 $\chi^2/\text{NDF}: 42.8/29$

Left Out: 0.022 ± 0.016 $\chi^2/\text{NDF}: 33.3/23$

Right Out: -0.046 ± 0.029 $\chi^2/\text{NDF}: 46.1/31$

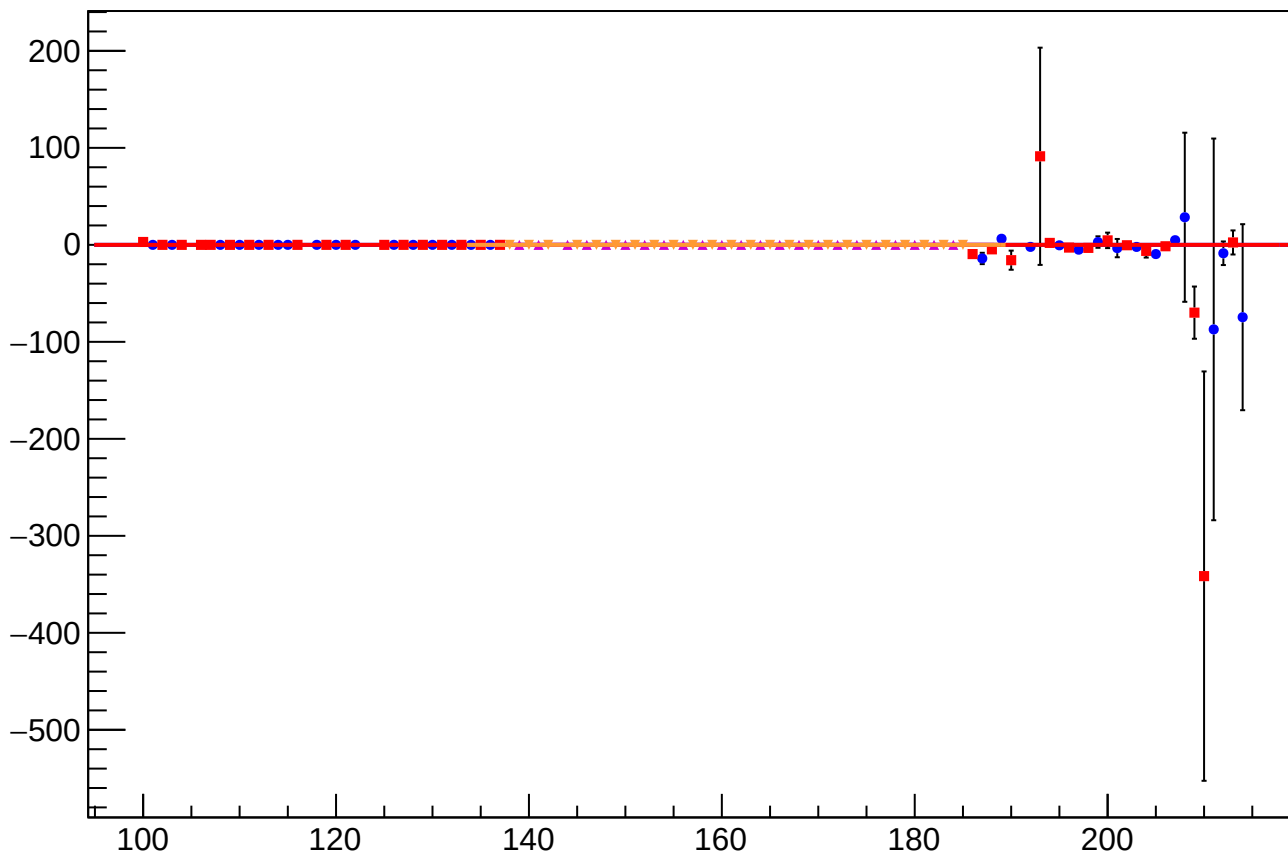
Left In: 0.006 ± 0.016 $\chi^2/\text{NDF}: 50.1/22$

+ sign 0.013 ± 0.014 $\chi^2/\text{NDF}: 77.1/53$

All: 0.004 ± 0.010 $\chi^2/\text{NDF}: 176.9/108$

- sign -0.007 ± 0.014 $\chi^2/\text{NDF}: 98.7/54$

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 59.0/29

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF: 32.0/23

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 224.3/31

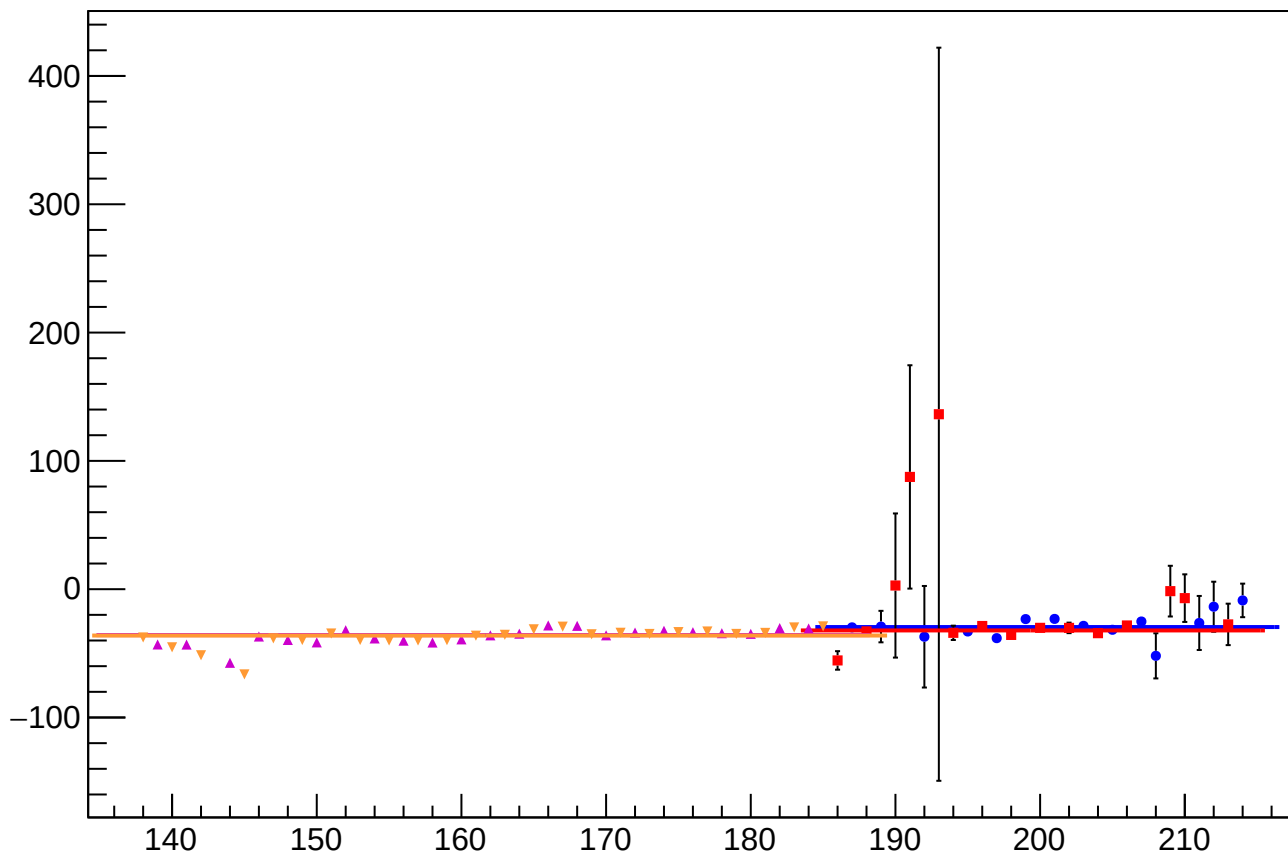
Left In: -0.009 $\pm$ 0.001 χ^2 /NDF: 37.2/22

+ sign -0.008 $\pm$ 0.001 χ^2 /NDF: 92.7/53

All: -0.008 $\pm$ 0.000 χ^2 /NDF: 357.3/108

- sign -0.008 $\pm$ 0.001 χ^2 /NDF: 264.5/54

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.503 ± 0.855 χ^2/NDF : 28.9/13

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.143 ± 0.806 χ^2/NDF : 25.1/14

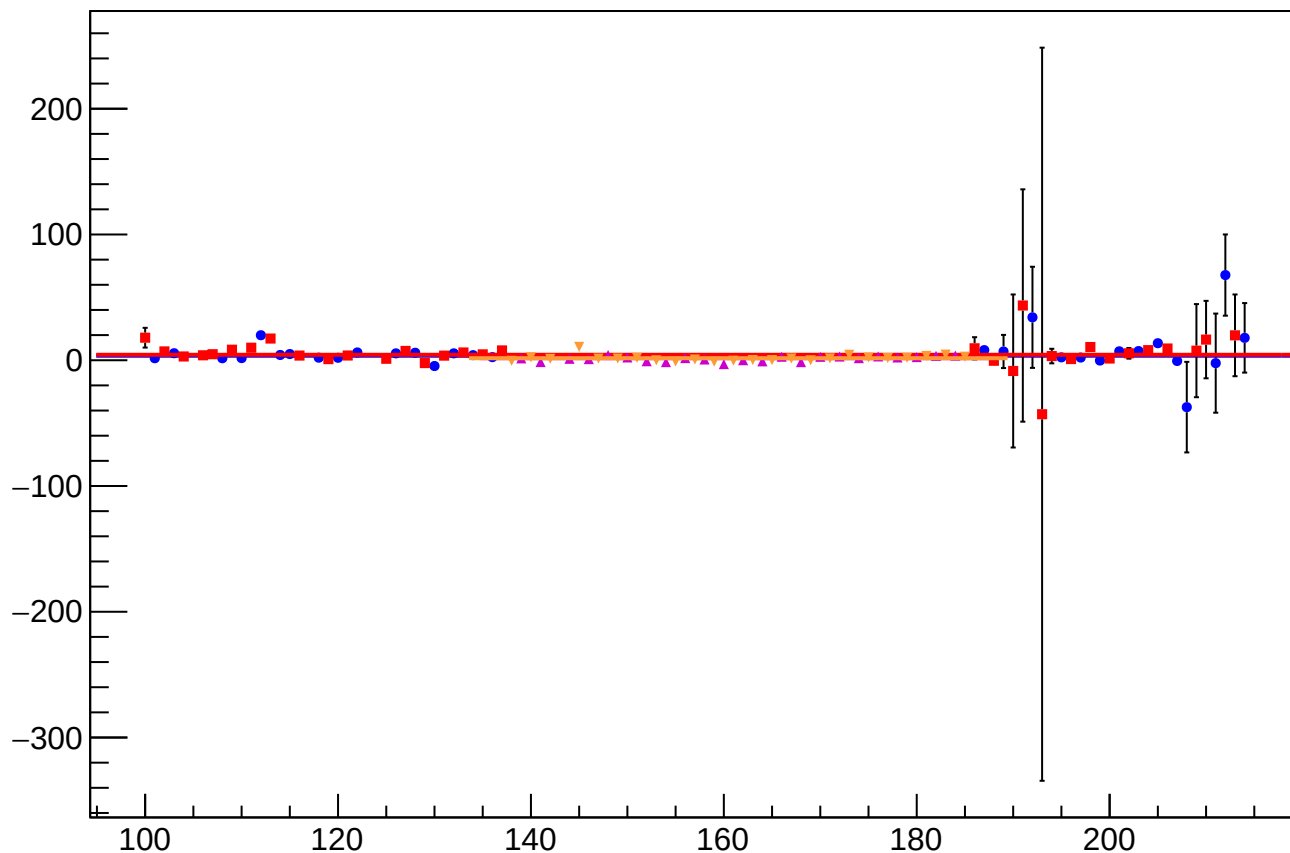
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.803 ± 0.187 χ^2/NDF : 1200.9/37

All: -35.693 ± 0.132 χ^2/NDF : 2100.0/75

- sign -35.585 ± 0.186 χ^2/NDF : 898.5/37

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.603 ± 0.217 χ^2/NDF : 462.4/29

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.350 ± 0.221 χ^2/NDF : 369.4/32

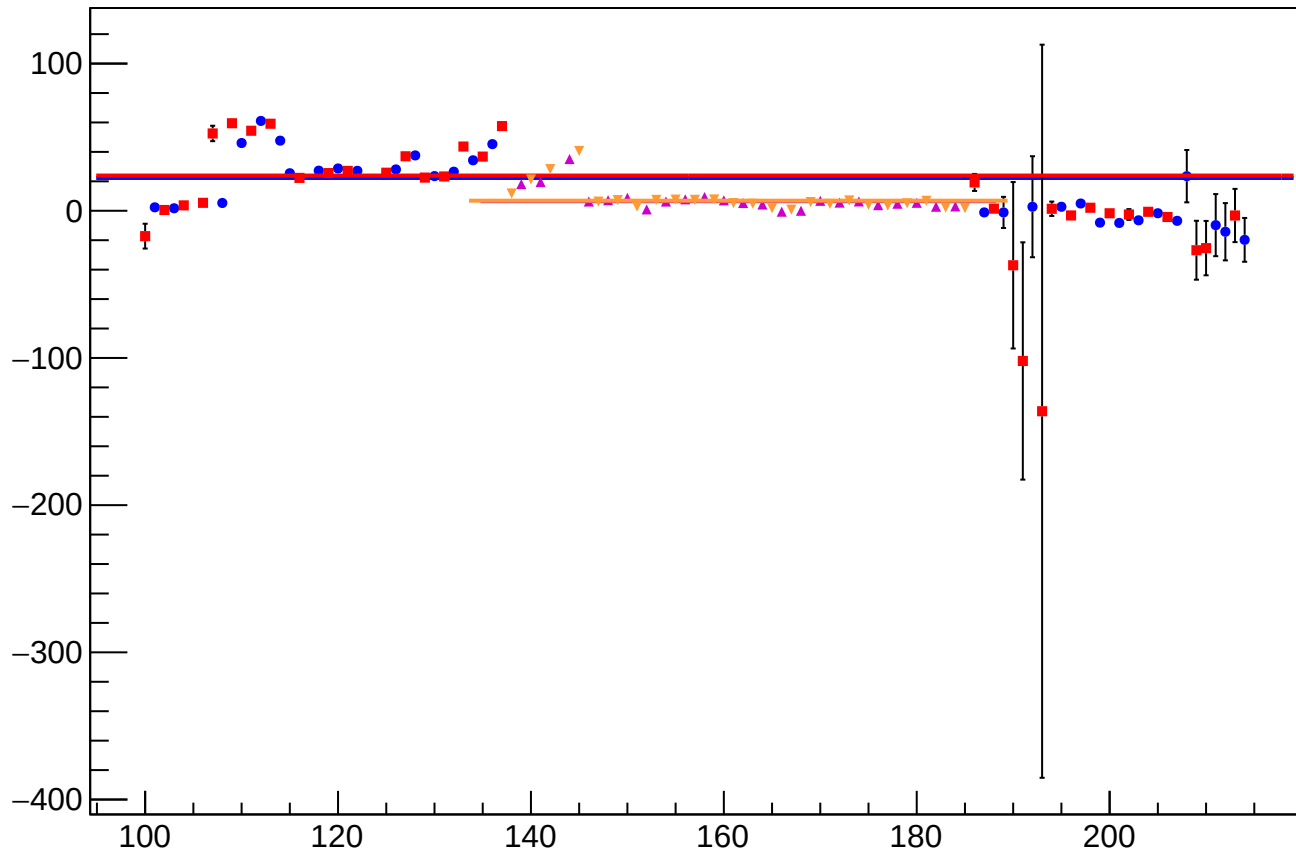
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.259 ± 0.122 χ^2/NDF : 685.3/53

All: 2.375 ± 0.087 χ^2/NDF : 1323.0/109

- sign 2.494 ± 0.124 χ^2/NDF : 635.9/55

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 22.299 $\pm$ 0.370 χ^2 /NDF: 2819.9/29

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF: 1295.7/23

Right Out: 23.935 $\pm$ 0.362 χ^2 /NDF: 3299.5/32

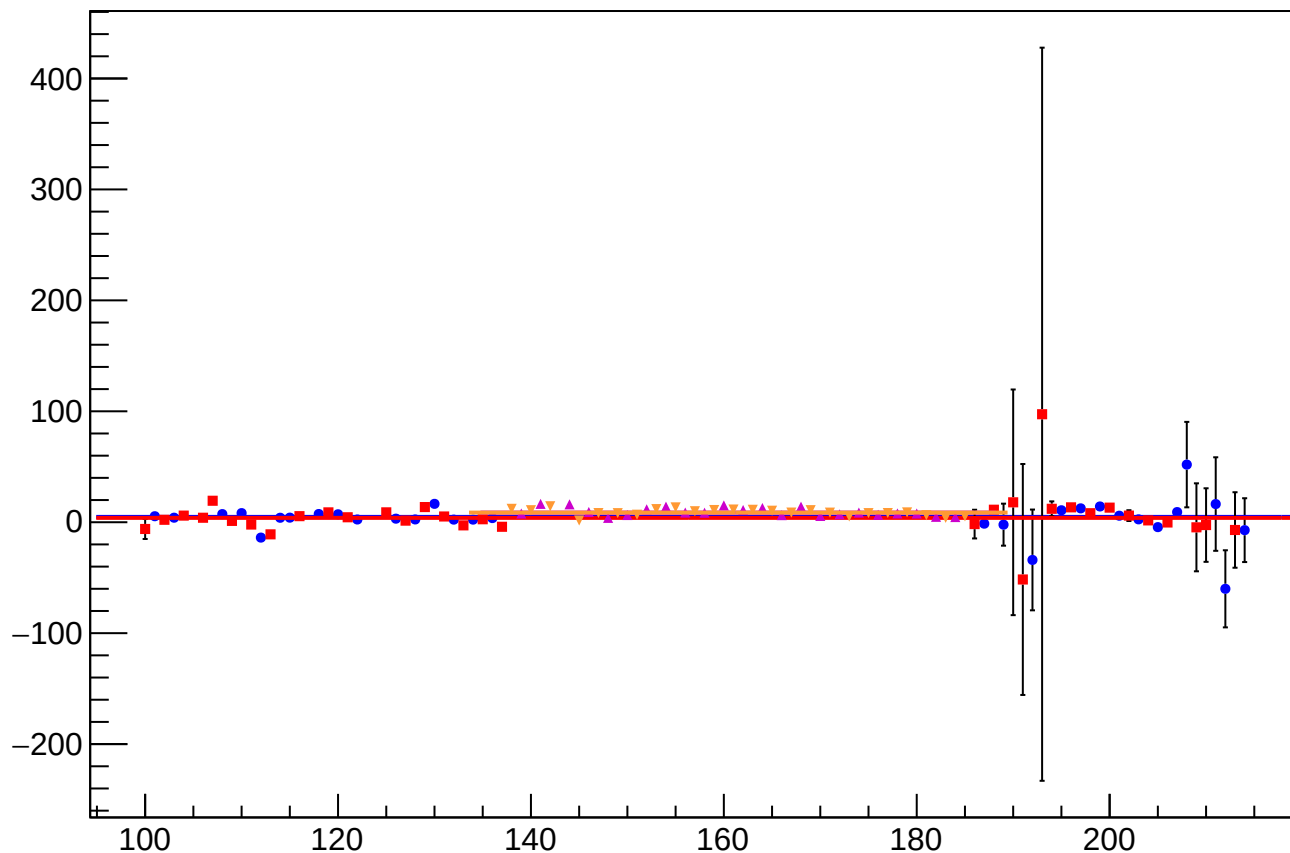
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.127 $\pm$ 0.170 χ^2 /NDF: 5489.7/53

All: 10.220 $\pm$ 0.120 χ^2 /NDF: 11627.1/109

- sign 10.312 $\pm$ 0.168 χ^2 /NDF: 6136.8/55

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.803 ± 0.250 χ^2/NDF : 576.4/29

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.936 ± 0.254 χ^2/NDF : 589.3/32

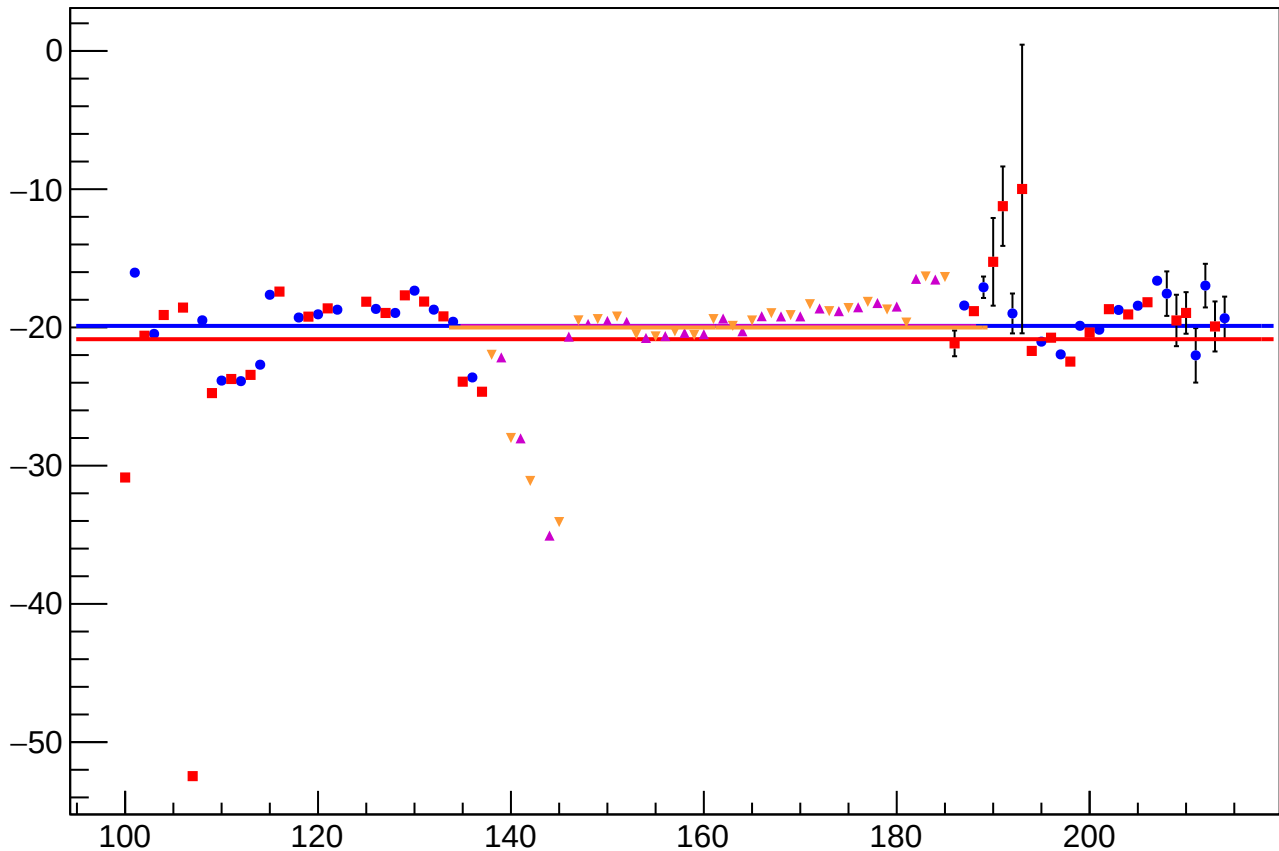
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.474 ± 0.140 χ^2/NDF : 983.7/53

All: 7.341 ± 0.099 χ^2/NDF : 2250.7/109

- sign 7.205 ± 0.141 χ^2/NDF : 1265.2/55

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.889 ± 0.015 χ^2/NDF : 27147.8/29

Left Out: -20.006 ± 0.008 χ^2/NDF : 171763.9/23

Right Out: -20.851 ± 0.015 χ^2/NDF : 95240.6/32

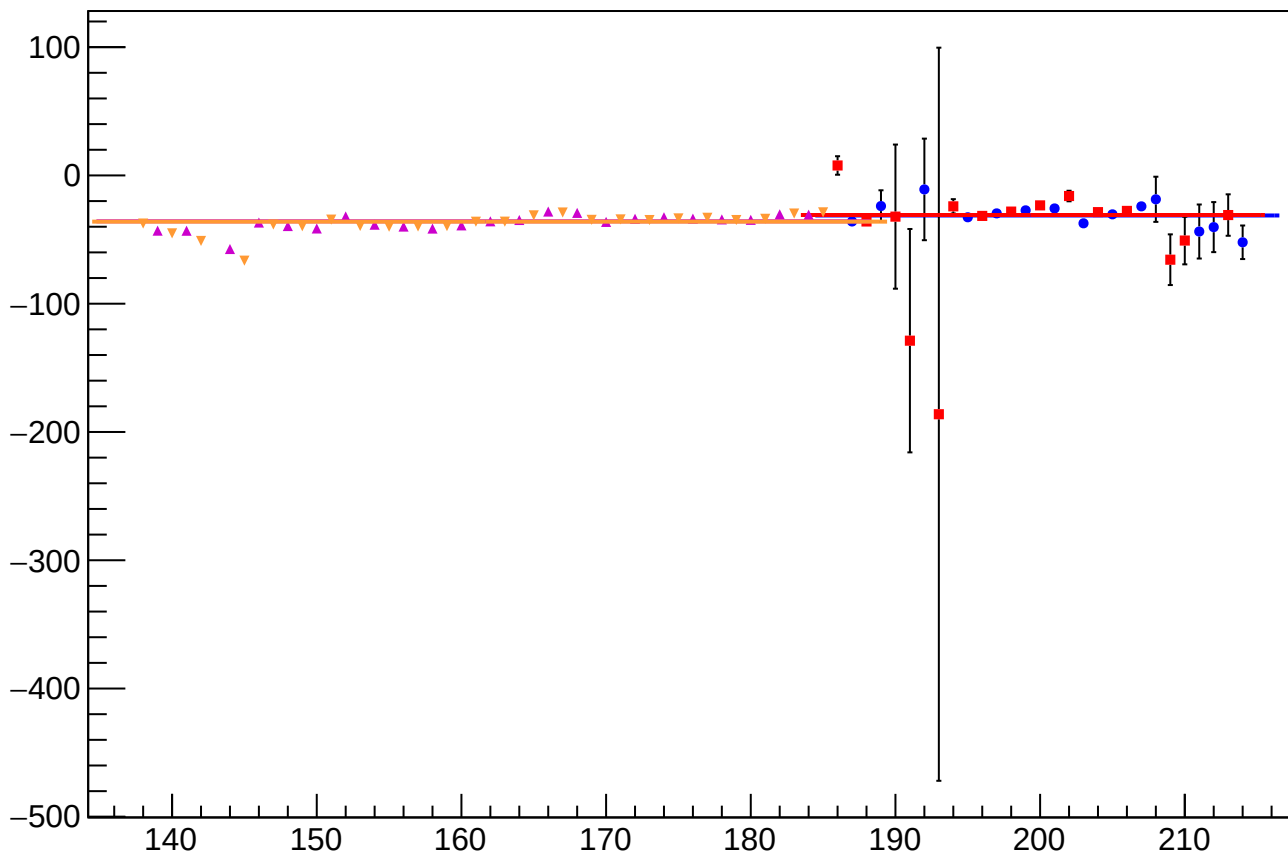
Left In: -19.898 ± 0.008 χ^2/NDF : 144191.9/22

+ sign -19.980 ± 0.007 χ^2/NDF : 198959.6/53

All: -20.042 ± 0.005 χ^2/NDF : 441747.1/109

- sign -20.104 ± 0.007 χ^2/NDF : 242628.2/55

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.220 ± 0.857 χ^2/NDF : 31.2/13

Left Out: -36.031 ± 0.192 χ^2/NDF : 1121.3/23

Right Out: -30.852 ± 0.808 χ^2/NDF : 76.2/14

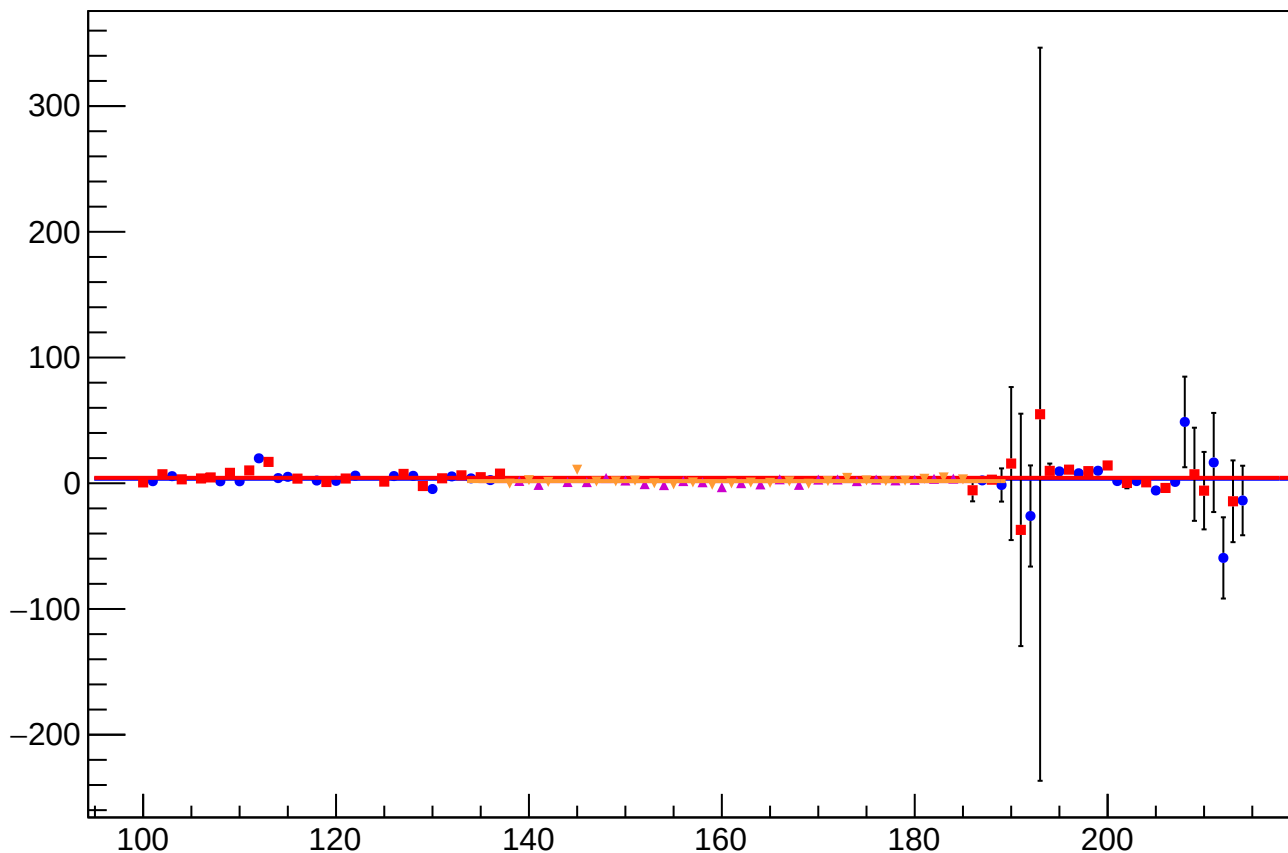
Left In: -35.766 ± 0.191 χ^2/NDF : 842.6/22

+ sign -35.801 ± 0.187 χ^2/NDF : 1182.4/37

All: -35.653 ± 0.132 χ^2/NDF : 2137.5/75

- sign -35.506 ± 0.186 χ^2/NDF : 953.8/37

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.566 ± 0.217 χ^2/NDF : 461.9/29

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.320 ± 0.217 χ^2/NDF : 378.7/32

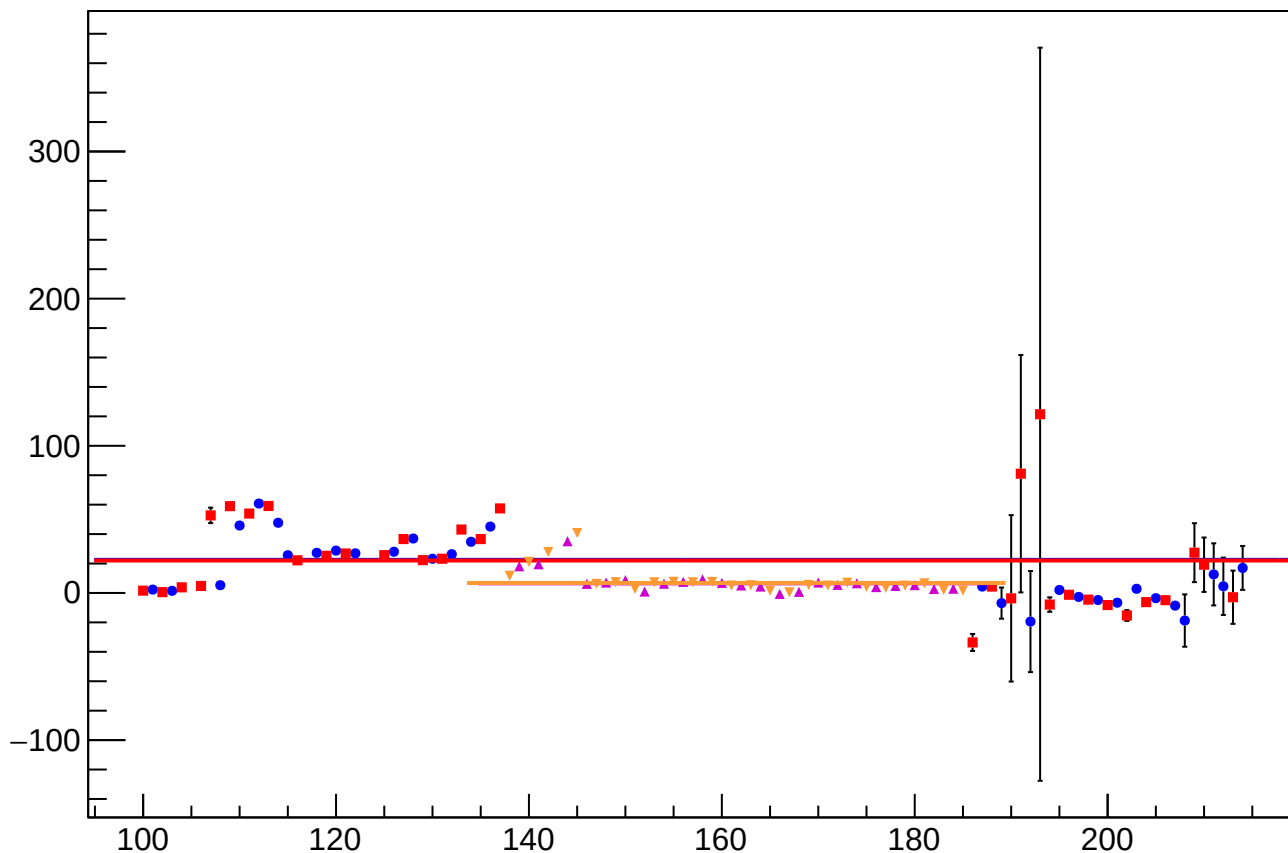
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.309 ± 0.122 χ^2/NDF : 679.4/53

All: 2.426 ± 0.087 χ^2/NDF : 1321.5/109

- sign 2.546 ± 0.123 χ^2/NDF : 640.2/55

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.480 $\pm$ 0.370 χ^2 /NDF: 2700.9/29

Left Out: 6.779 $\pm$ 0.191 χ^2 /NDF: 1297.7/23

Right Out: 22.054 $\pm$ 0.349 χ^2 /NDF: 3661.2/32

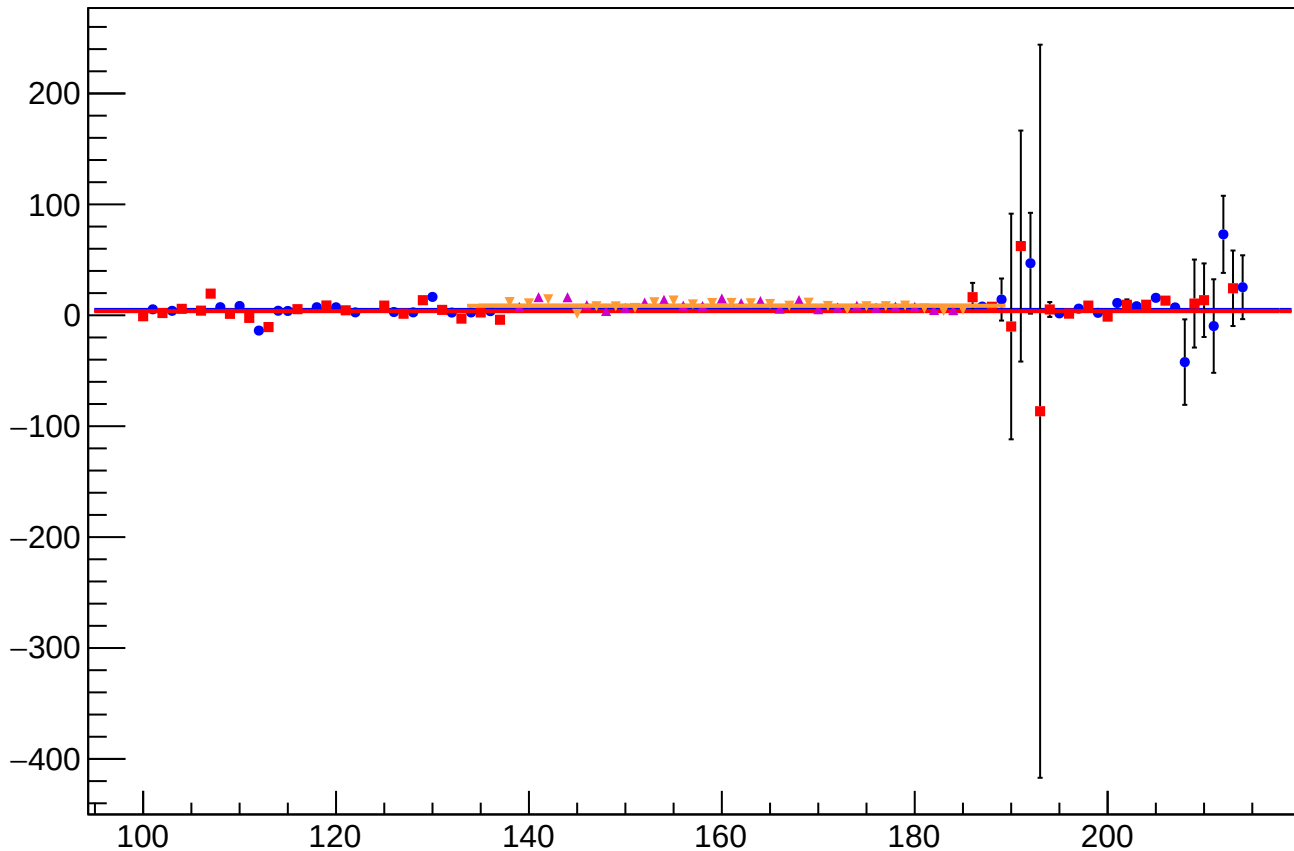
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.093 $\pm$ 0.170 χ^2 /NDF: 5420.7/53

All: 10.092 $\pm$ 0.119 χ^2 /NDF: 11625.6/109

- sign 10.091 $\pm$ 0.167 χ^2 /NDF: 6204.9/55

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.850 ± 0.250 χ^2/NDF : 564.9/29

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.699 ± 0.250 χ^2/NDF : 589.4/32

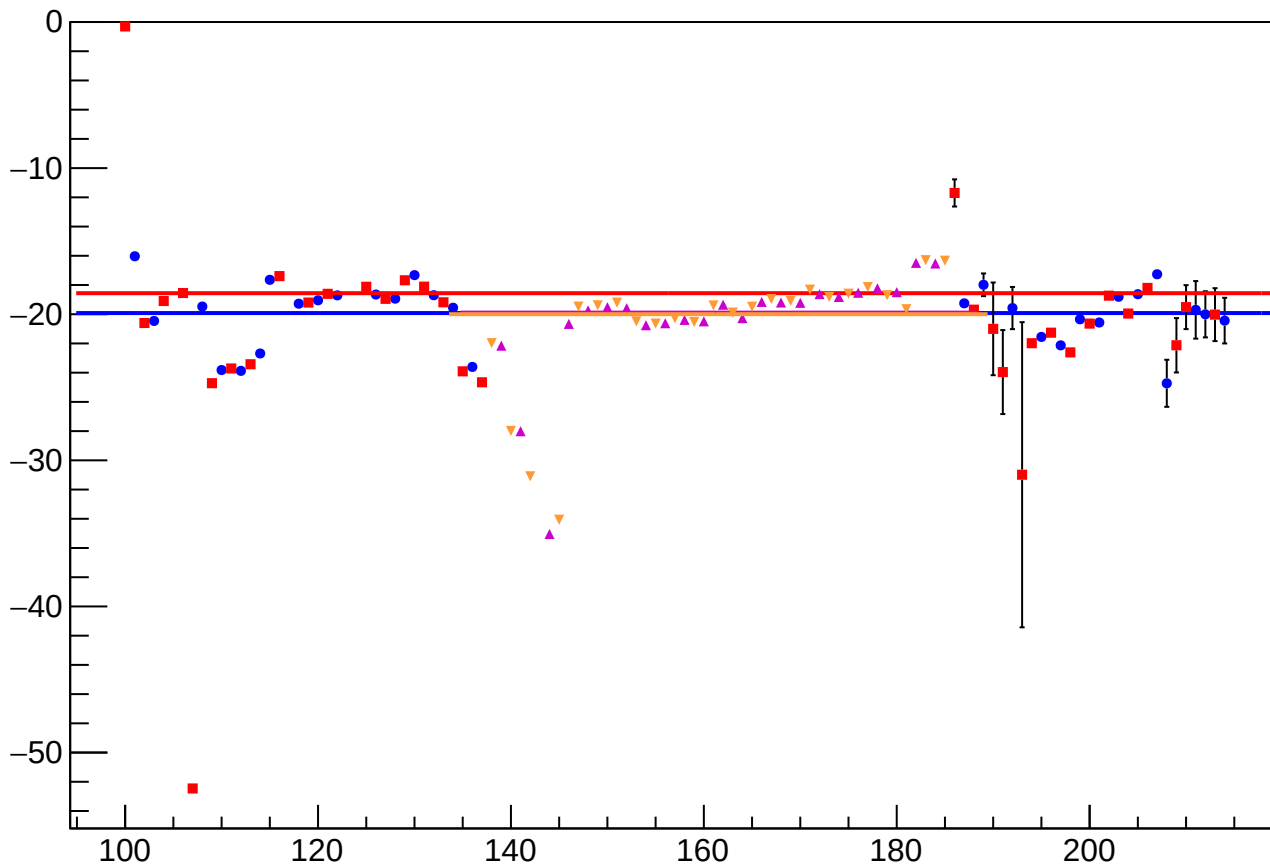
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.414 ± 0.140 χ^2/NDF : 963.8/53

All: 7.228 ± 0.099 χ^2/NDF : 2259.4/109

- sign 7.040 ± 0.141 χ^2/NDF : 1292.1/55

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.920 ± 0.015 $\chi^2/\text{NDF}: 27097.3/29$

Left Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 171944.6/23$

Right Out: -18.560 ± 0.014 $\chi^2/\text{NDF}: 303728.8/32$

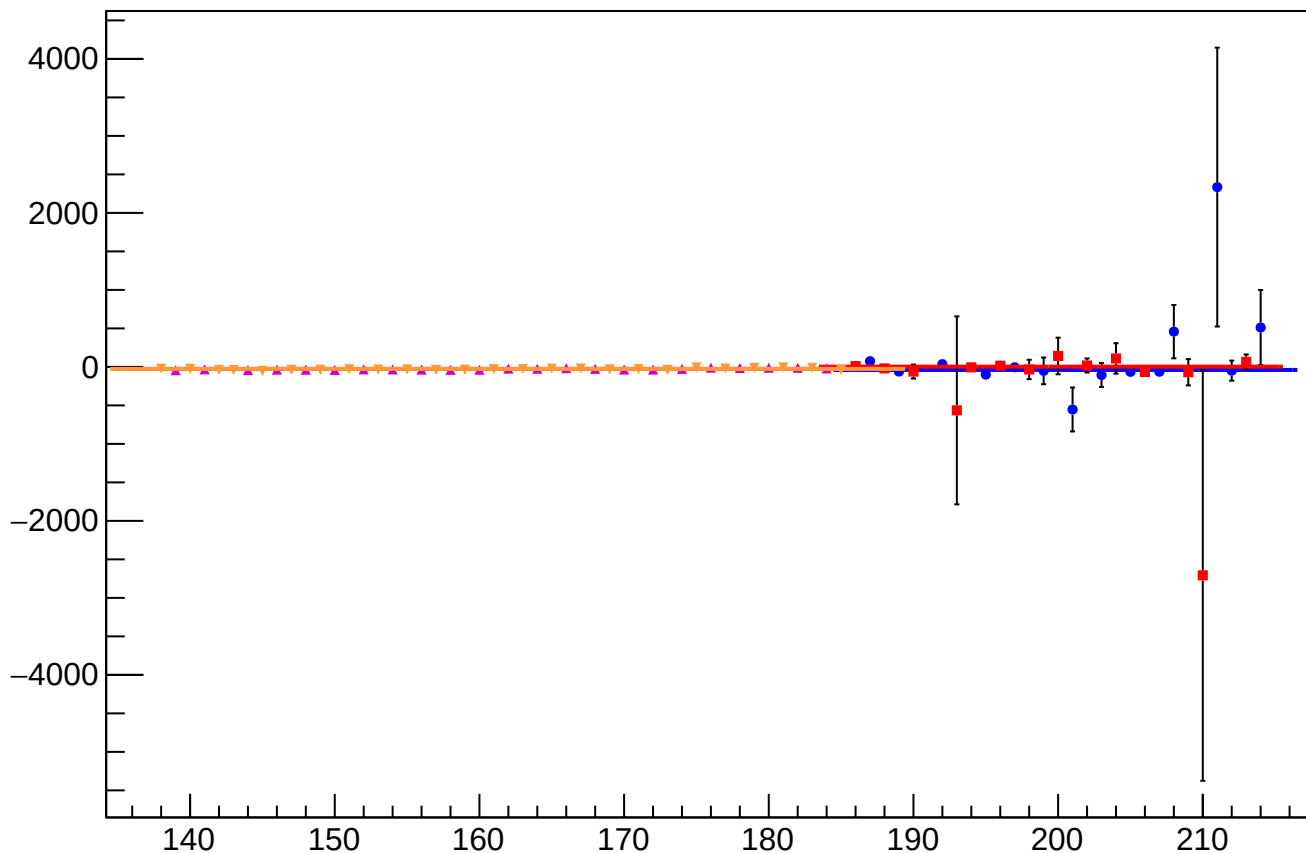
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.981 ± 0.007 $\chi^2/\text{NDF}: 199063.5/53$

All: -19.775 ± 0.005 $\chi^2/\text{NDF}: 655373.4/109$

- sign -19.576 ± 0.007 $\chi^2/\text{NDF}: 454593.6/55$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -39.570 ± 12.980 χ^2/NDF : 21.0/13

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 3.212 ± 8.082 χ^2/NDF : 7.2/13

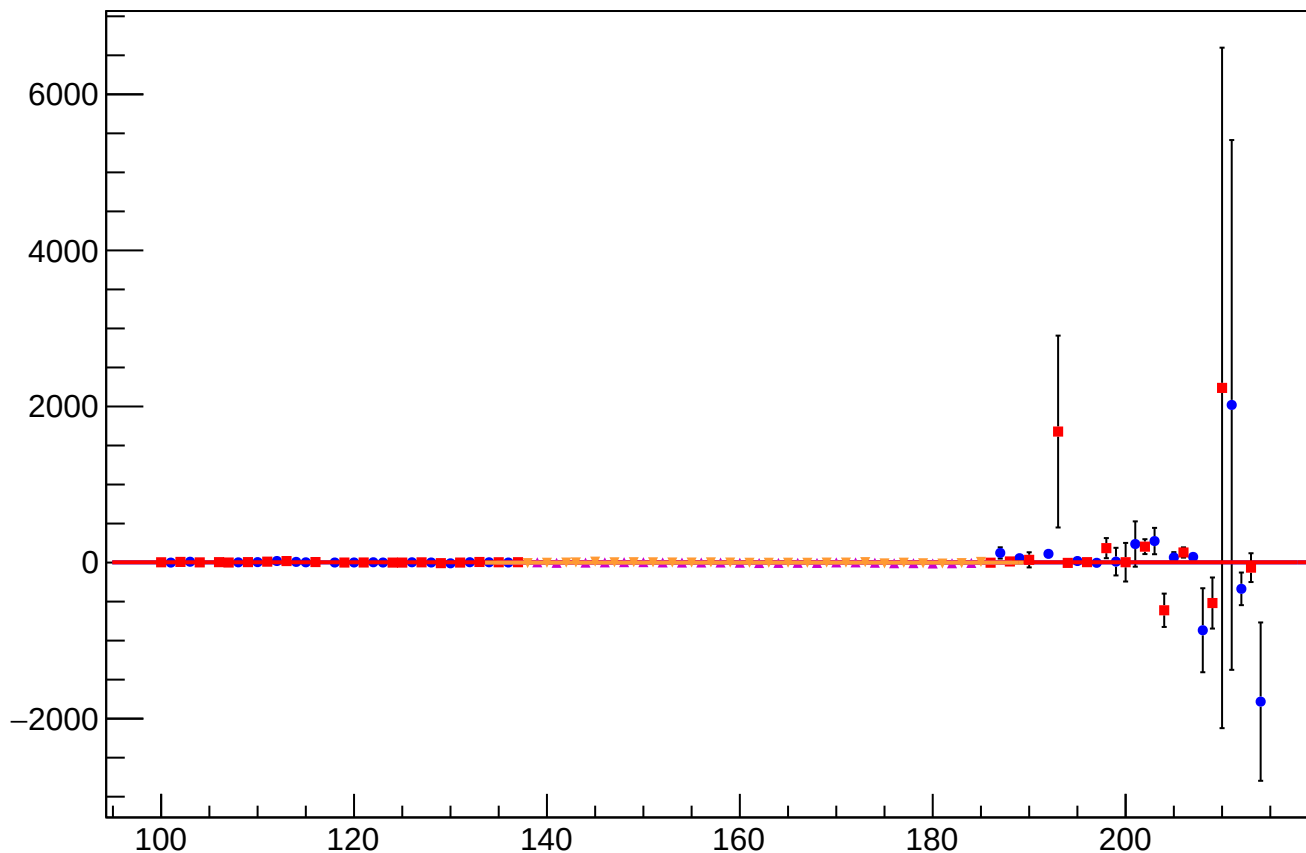
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.887 ± 0.192 χ^2/NDF : 4180.1/38

All: -25.960 ± 0.137 χ^2/NDF : 7480.2/75

- sign -26.035 ± 0.195 χ^2/NDF : 3299.8/36

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.476+/-0.315 χ^2/NDF : 322.3/30

Left Out: -0.654+/-0.146 χ^2/NDF : 1320.8/24

Right Out: 3.715+/-0.327 χ^2/NDF : 292.7/32

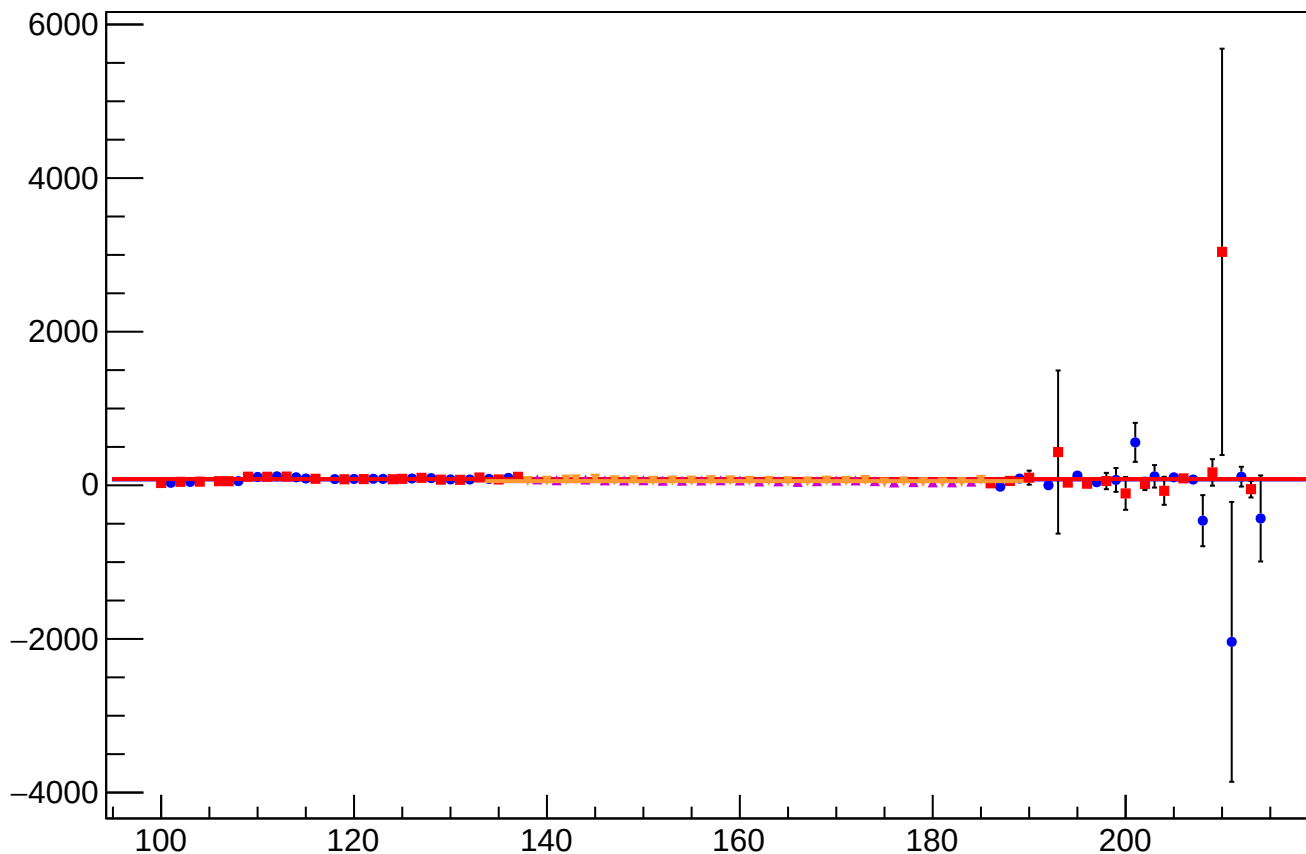
Left In: -0.863+/-0.150 χ^2/NDF : 1066.5/22

+ sign -0.099+/-0.133 χ^2/NDF : 1724.4/55

All: -0.081+/-0.095 χ^2/NDF : 3245.8/111

- sign -0.062+/-0.137 χ^2/NDF : 1521.3/55

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.532 $\pm$ 0.576 χ^2 /NDF: 2274.2/30

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.487 $\pm$ 0.590 χ^2 /NDF: 1635.6/32

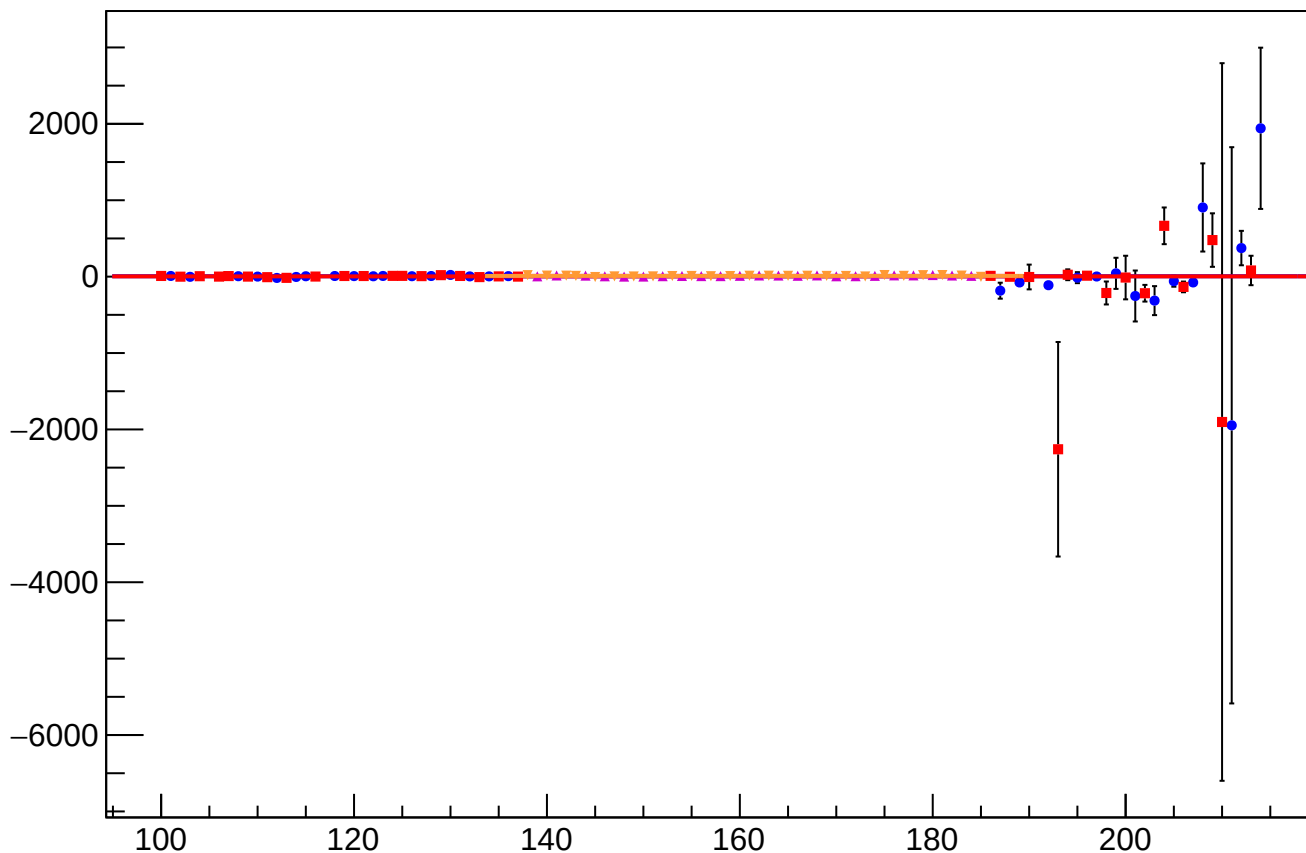
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8099.8/55

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15248.0/111

- sign 57.631 $\pm$ 0.184 χ^2 /NDF: 7145.8/55

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.408 ± 0.361 χ^2/NDF : 413.4/30

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.580 ± 0.375 χ^2/NDF : 444.3/32

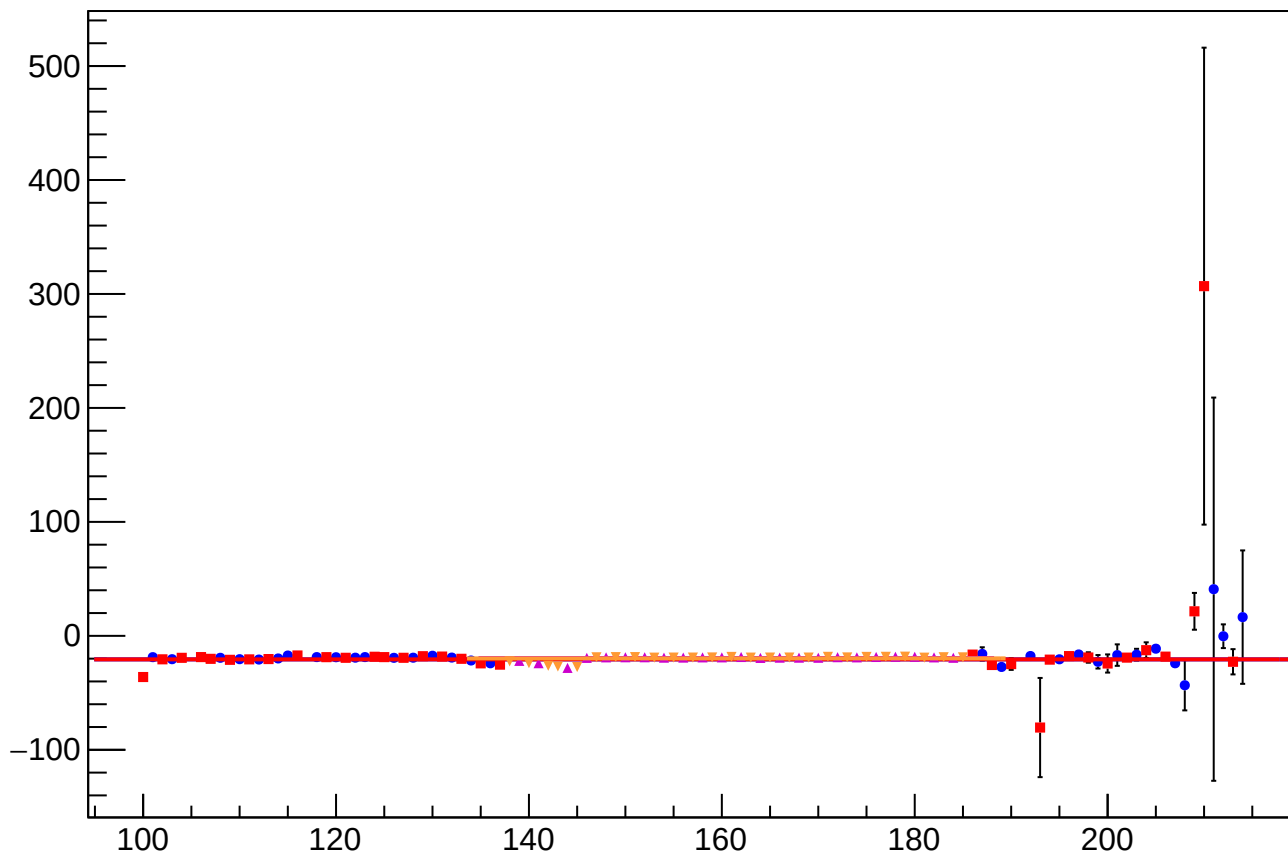
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 ± 0.152 χ^2/NDF : 1982.0/55

All: 8.851 ± 0.109 χ^2/NDF : 3813.5/111

- sign 8.727 ± 0.156 χ^2/NDF : 1830.3/55

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 χ^2/NDF : 12459.4/30

Left Out: -19.767 ± 0.008 χ^2/NDF : 91617.3/24

Right Out: -20.638 ± 0.019 χ^2/NDF : 13819.2/32

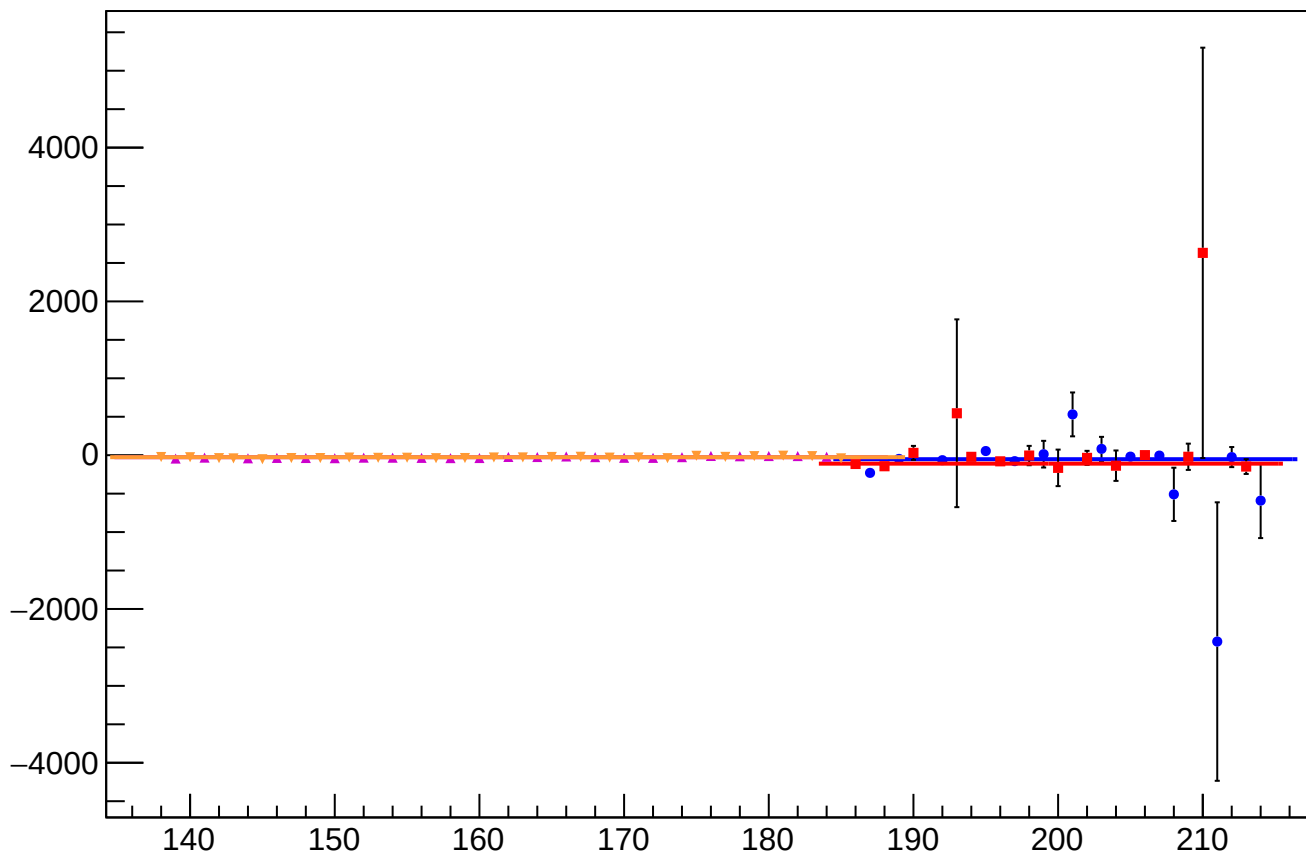
Left In: -19.435 ± 0.008 χ^2/NDF : 53170.9/22

+ sign -19.892 ± 0.007 χ^2/NDF : 105838.1/55

All: -19.751 ± 0.005 χ^2/NDF : 176854.9/111

- sign -19.607 ± 0.007 χ^2/NDF : 70264.3/55

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -52.223 $\pm$ 12.990 χ^2/NDF : 32.3/13

Left Out: -25.899 $\pm$ 0.192 χ^2/NDF : 4127.5/24

Right Out: -110.069 $\pm$ 8.088 χ^2/NDF : 17.0/13

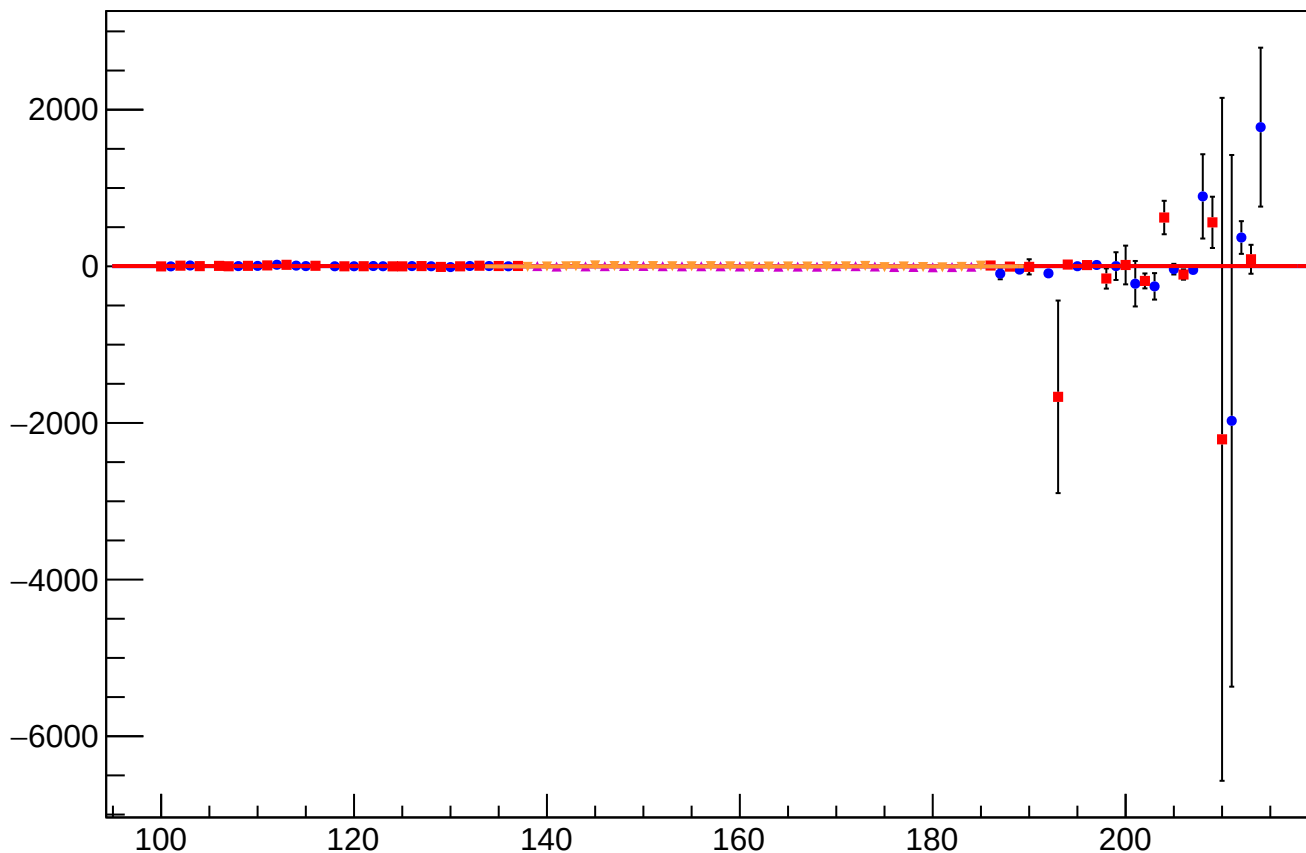
Left In: -26.046 $\pm$ 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 $\pm$ 0.192 χ^2/NDF : 4163.9/38

All: -25.998 $\pm$ 0.137 χ^2/NDF : 7536.0/75

- sign -26.095 $\pm$ 0.195 χ^2/NDF : 3371.6/36

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.439 $\pm$ 0.315 χ^2 /NDF: 314.7/30

Left Out: -0.596 $\pm$ 0.146 χ^2 /NDF: 1310.7/24

Right Out: 3.593 $\pm$ 0.318 χ^2 /NDF: 302.4/32

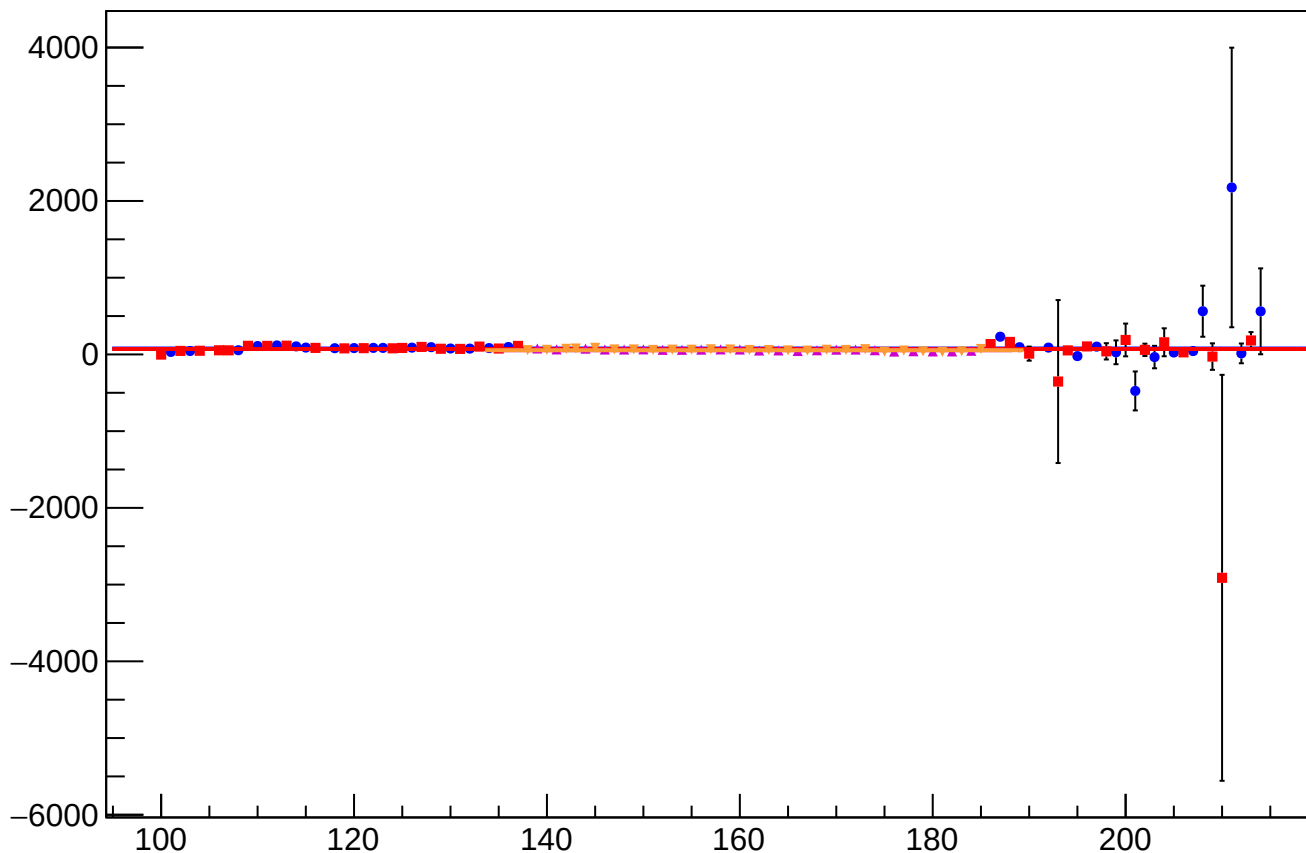
Left In: -0.795 $\pm$ 0.151 χ^2 /NDF: 1106.3/22

+ sign -0.057 $\pm$ 0.133 χ^2 /NDF: 1701.8/55

All: -0.025 $\pm$ 0.095 χ^2 /NDF: 3266.2/111

- sign 0.009 $\pm$ 0.136 χ^2 /NDF: 1564.3/55

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.709 $\pm$ 0.576 χ^2 /NDF: 2300.8/30

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.750 $\pm$ 0.549 χ^2 /NDF: 4495.1/32

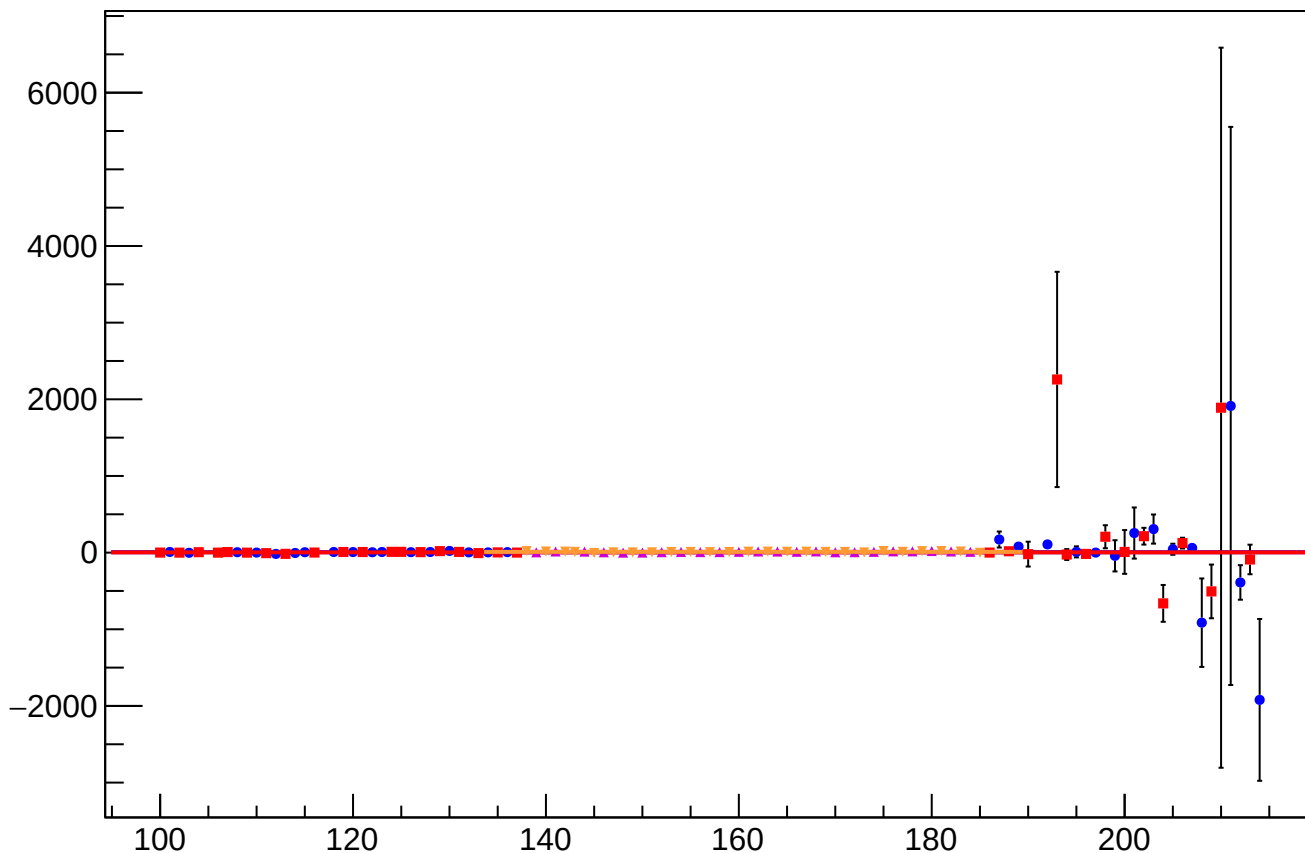
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.259 $\pm$ 0.182 χ^2 /NDF: 8125.0/55

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 17011.7/111

- sign 56.828 $\pm$ 0.183 χ^2 /NDF: 8883.9/55

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.444 ± 0.361 $\chi^2/\text{NDF}: 407.5/30$

Left Out: 9.675 ± 0.168 $\chi^2/\text{NDF}: 1441.3/24$

Right Out: 3.282 ± 0.365 $\chi^2/\text{NDF}: 446.7/32$

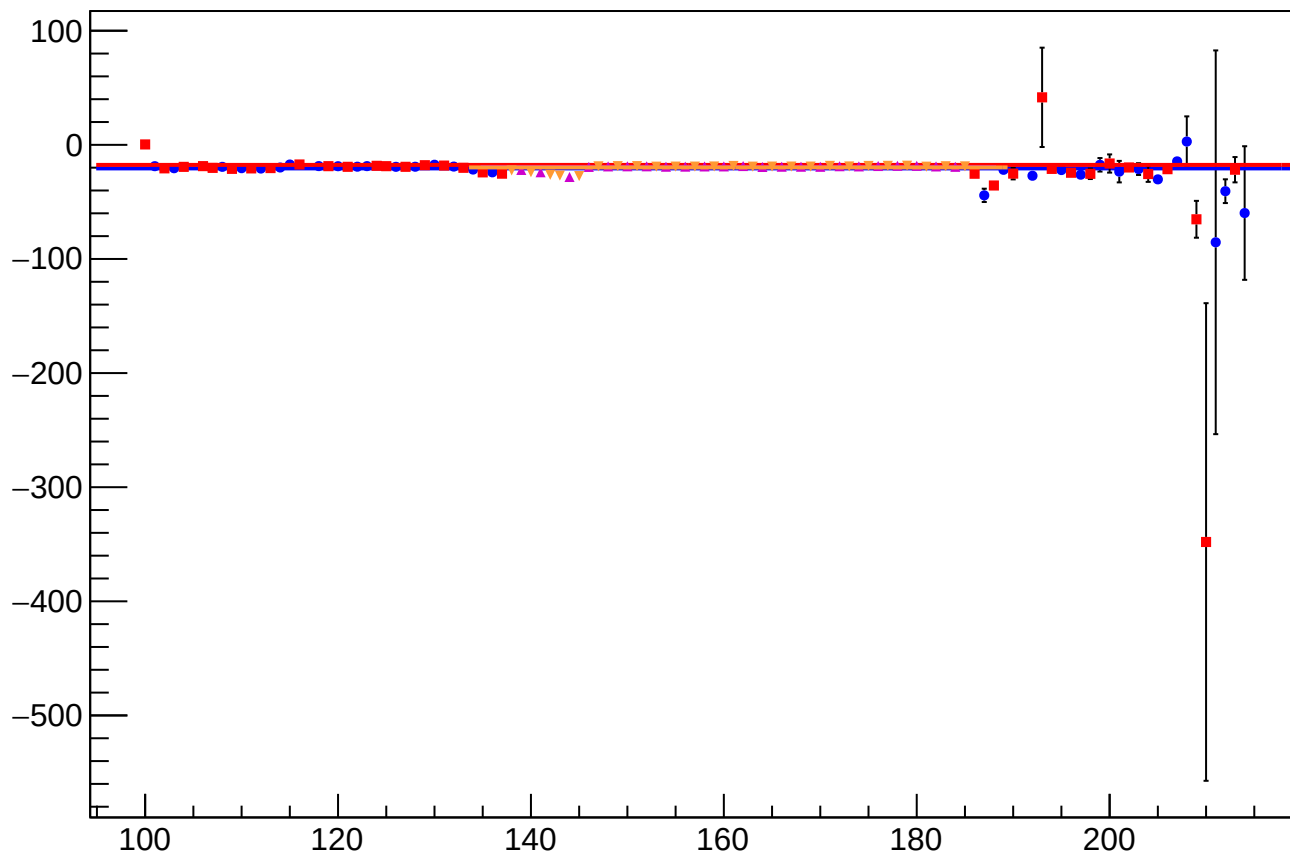
Left In: 9.738 ± 0.172 $\chi^2/\text{NDF}: 1191.1/22$

+ sign 8.924 ± 0.152 $\chi^2/\text{NDF}: 1961.8/55$

All: 8.750 ± 0.109 $\chi^2/\text{NDF}: 3857.8/111$

- sign 8.570 ± 0.155 $\chi^2/\text{NDF}: 1893.4/55$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 χ^2/NDF : 12520.2/30

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.575 ± 0.018 χ^2/NDF : 178452.9/32

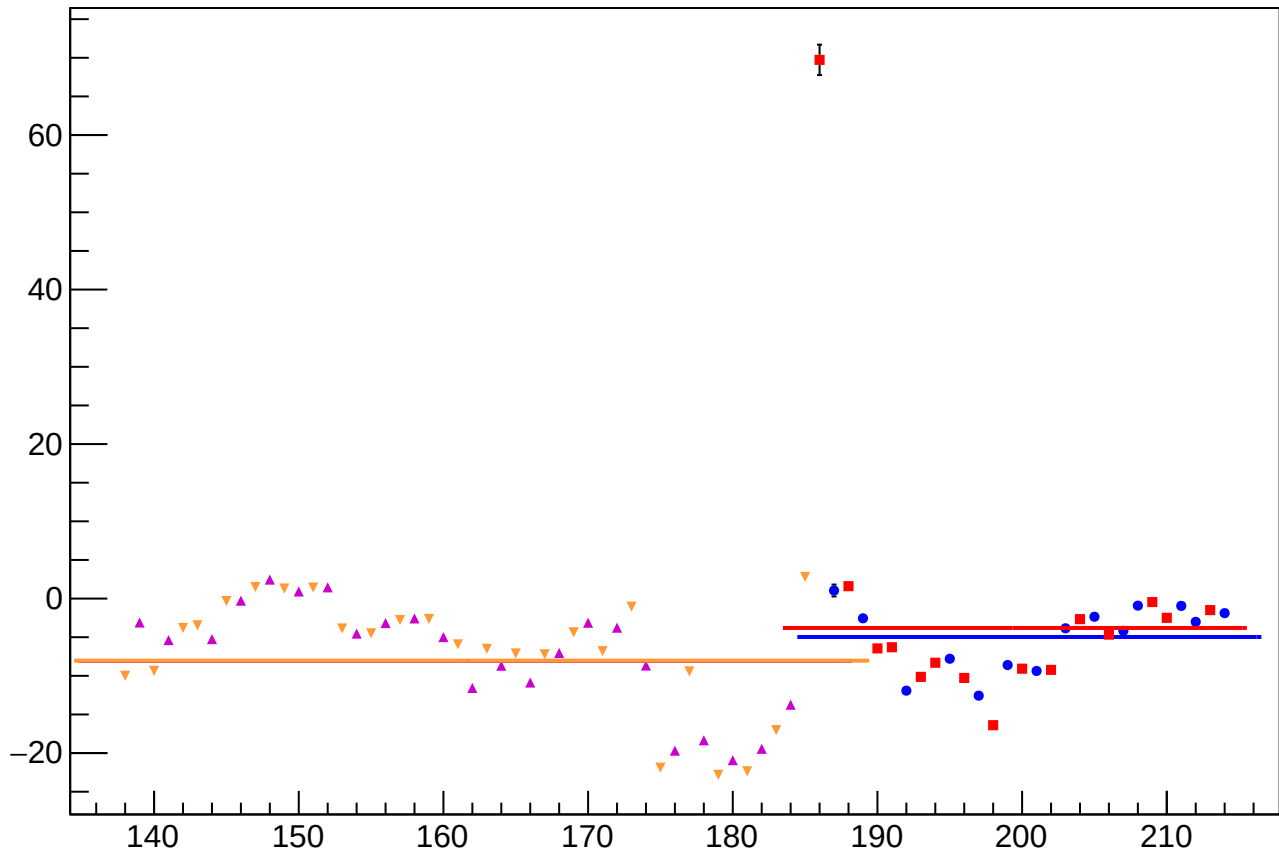
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105769.2/55

All: -19.518 ± 0.005 χ^2/NDF : 351744.8/111

- sign -19.140 ± 0.007 χ^2/NDF : 240564.5/55

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -4.971 ± 0.105 χ^2/NDF : 1483.6/13

Left Out: -8.034 ± 0.070 χ^2/NDF : 12568.0/24

Right Out: -3.803 ± 0.096 χ^2/NDF : 4140.7/14

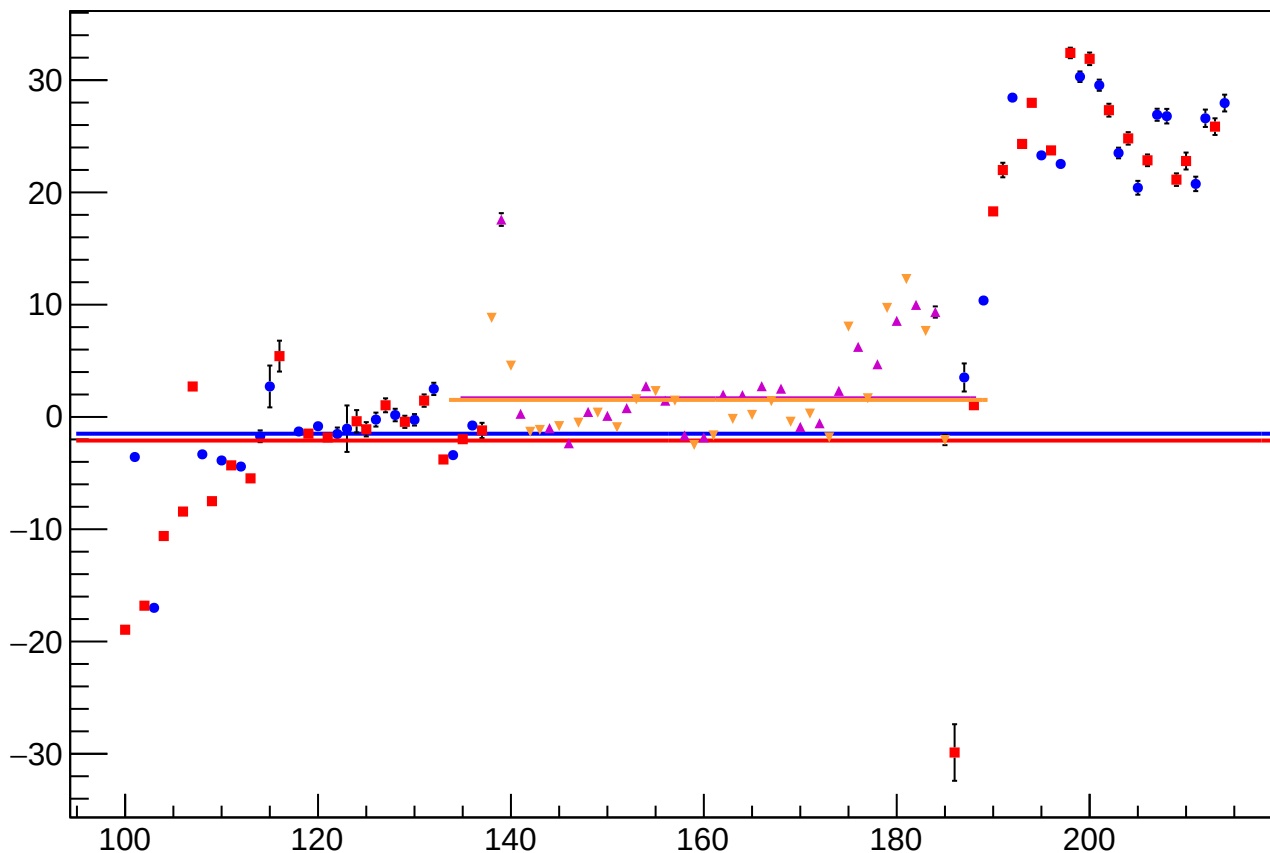
Left In: -8.078 ± 0.072 χ^2/NDF : 10541.6/22

+ sign -7.088 ± 0.058 χ^2/NDF : 14638.0/38

All: -6.805 ± 0.041 χ^2/NDF : 30643.8/76

- sign -6.532 ± 0.057 χ^2/NDF : 15959.9/37

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -1.492 ± 0.051 χ^2/NDF : 49295.8/30

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -2.101 ± 0.053 χ^2/NDF : 57979.1/33

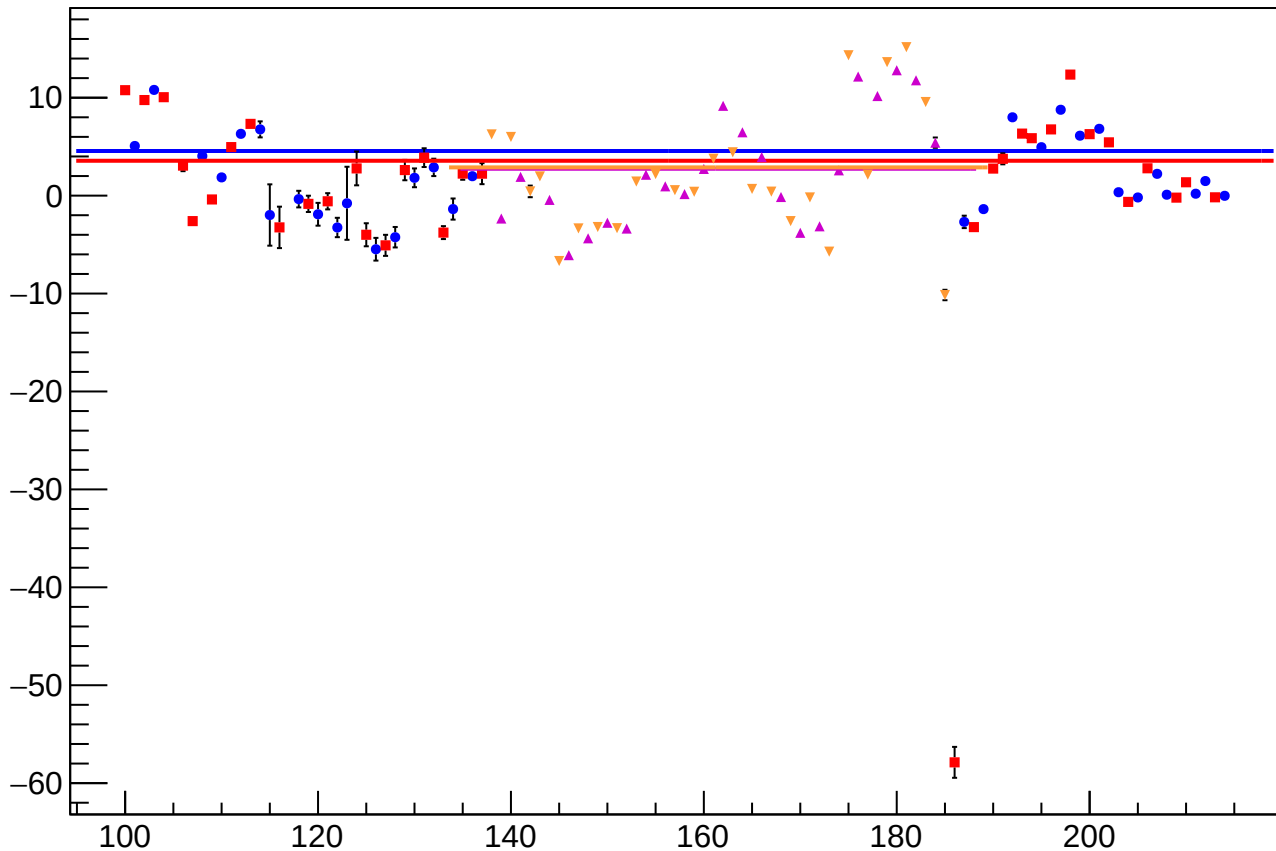
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -0.081 ± 0.037 χ^2/NDF : 55773.1/55

All: -0.200 ± 0.027 χ^2/NDF : 120148.9/112

- sign -0.329 ± 0.039 χ^2/NDF : 64354.6/56

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 4.558 ± 0.067 χ^2/NDF : 3209.2/30

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.561 ± 0.063 χ^2/NDF : 8073.3/33

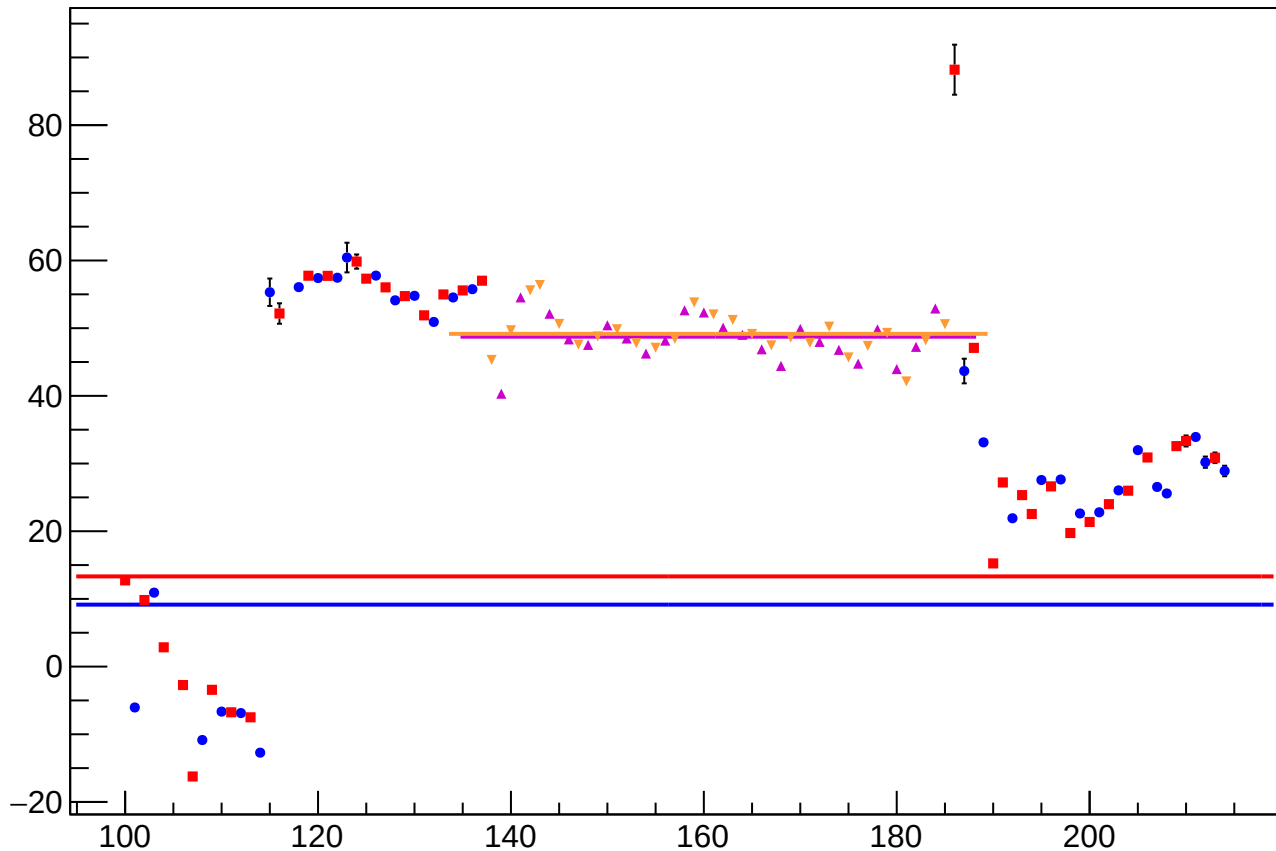
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.765 ± 0.048 χ^2/NDF : 12400.9/55

All: 3.478 ± 0.034 χ^2/NDF : 27799.4/112

- sign 3.202 ± 0.047 χ^2/NDF : 15329.3/56

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 9.153 ± 0.060 $\chi^2/\text{NDF}: 135677.1/30$

Left Out: 49.163 ± 0.062 $\chi^2/\text{NDF}: 2259.9/24$

Right Out: 13.323 ± 0.063 $\chi^2/\text{NDF}: 137763.7/33$

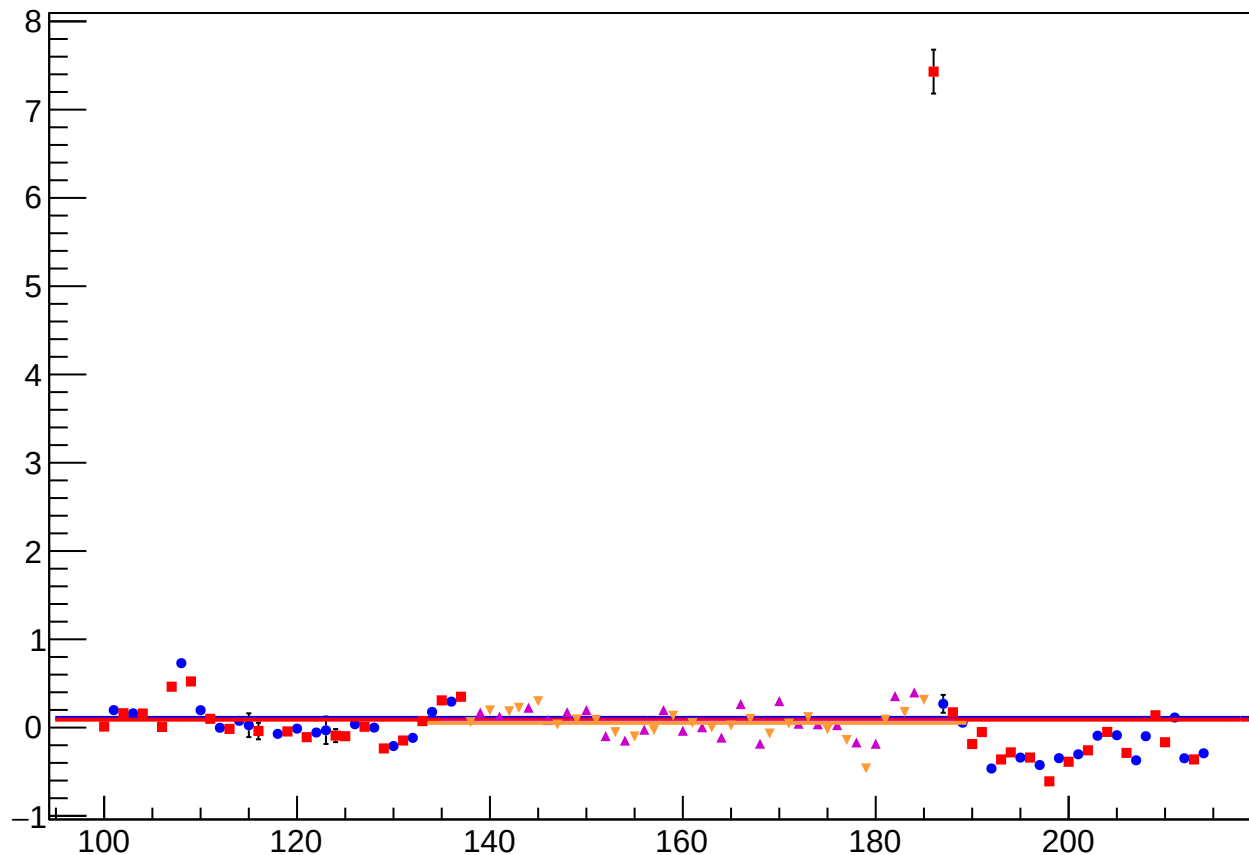
Left In: 48.744 ± 0.064 $\chi^2/\text{NDF}: 2097.7/22$

+ sign 28.616 ± 0.043 $\chi^2/\text{NDF}: 353597.6/55$

All: 29.711 ± 0.031 $\chi^2/\text{NDF}: 650232.2/112$

- sign 30.902 ± 0.045 $\chi^2/\text{NDF}: 295286.0/56$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.110 $\pm$ 0.002 χ^2 /NDF: 11802.1/30

Left Out: 0.054 $\pm$ 0.003 χ^2 /NDF:2379.8/24

Right Out: 0.090 $\pm$ 0.002 χ^2 /NDF: 11110.8/33

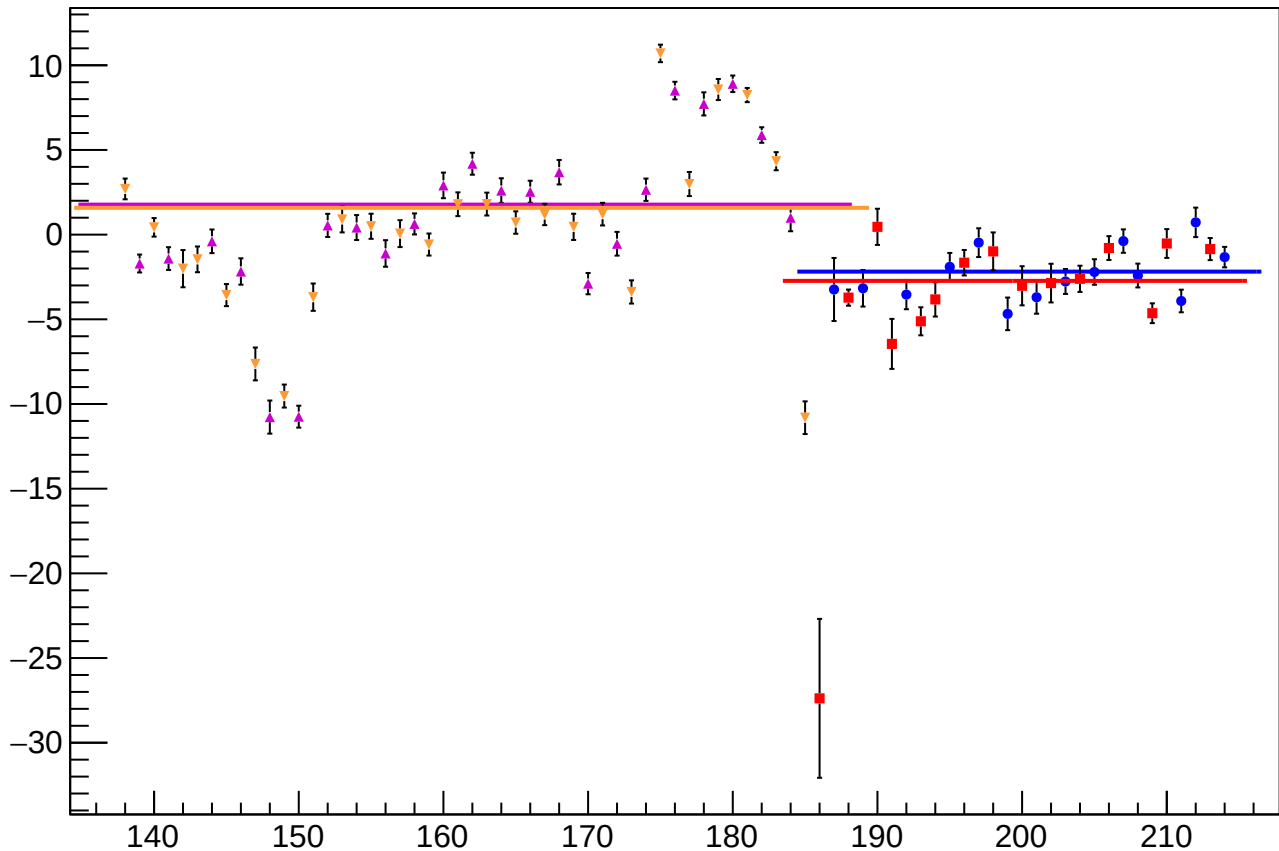
Left In: 0.070 $\pm$ 0.003 χ^2 /NDF:3233.8/22

+ sign 0.086 $\pm$ 0.002 χ^2 /NDF: 14403.6/55

All: 0.084 $\pm$ 0.001 χ^2 /NDF: 28777.7/112

- sign 0.082 $\pm$ 0.002 χ^2 /NDF: 14371.9/56

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.184 ± 0.216 χ^2/NDF : 44.4/13

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -2.729 ± 0.210 χ^2/NDF : 94.5/14

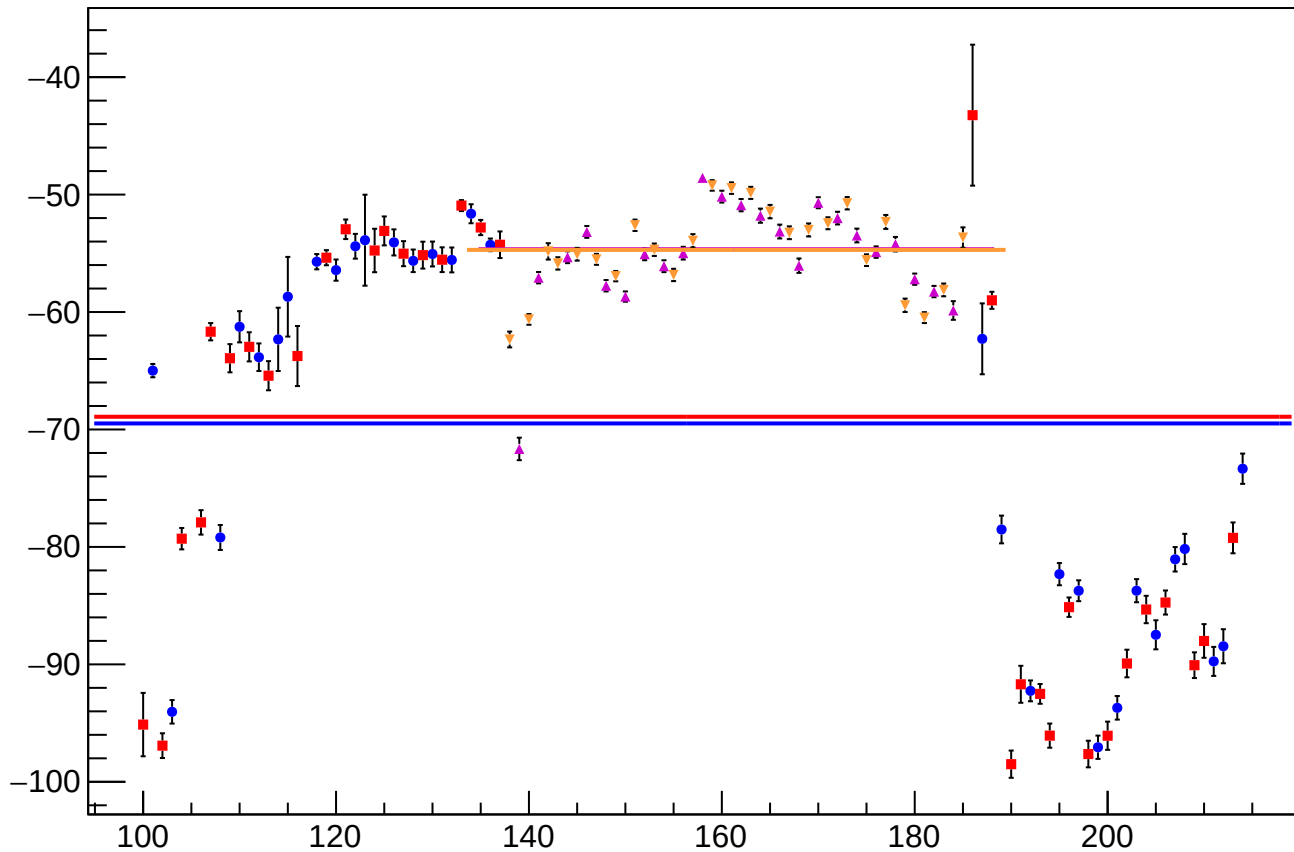
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.549 ± 0.113 χ^2/NDF : 1724.7/38

All: 0.503 ± 0.080 χ^2/NDF : 3441.6/76

- sign 0.455 ± 0.114 χ^2/NDF : 1716.5/37

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.487 ± 0.179 χ^2/NDF : 7331.7/30

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -68.916 ± 0.169 χ^2/NDF : 10374.7/33

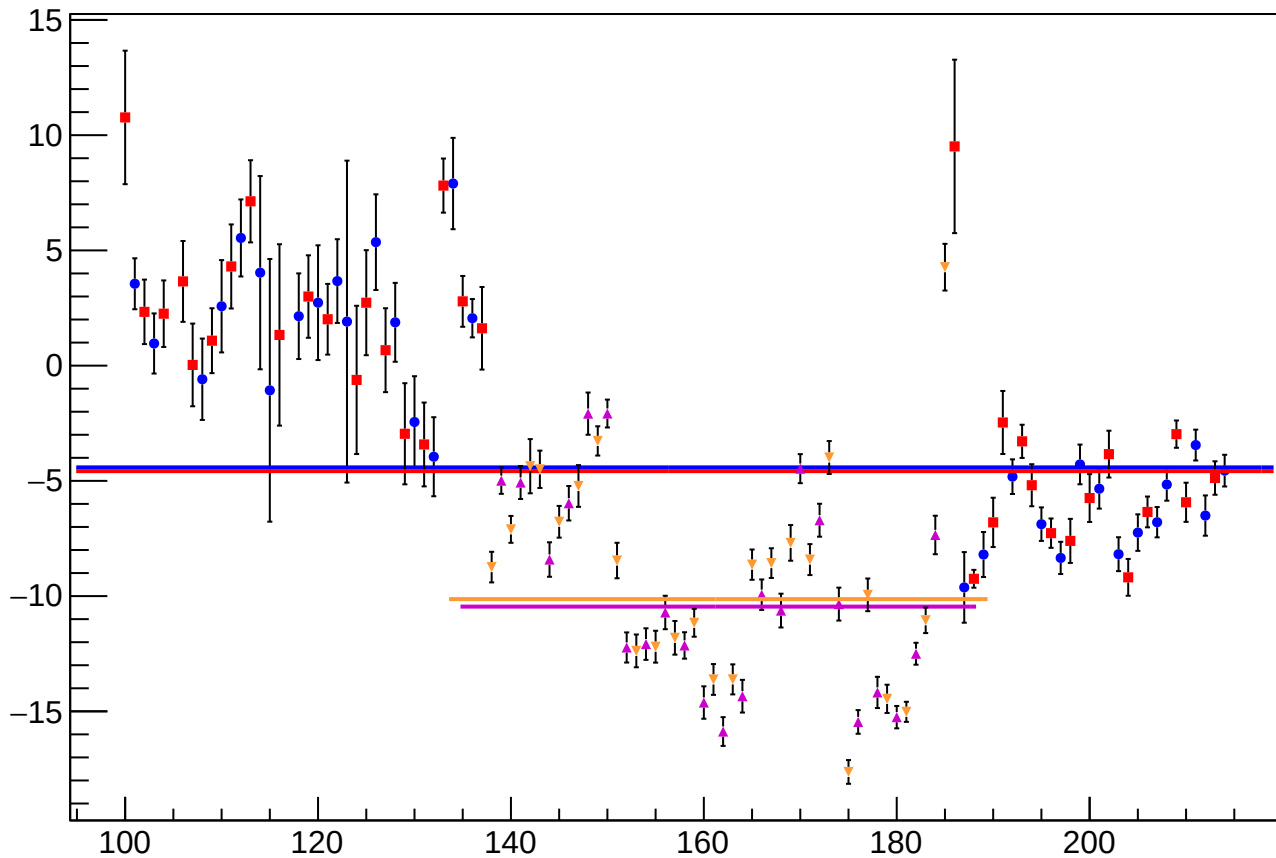
Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

+ sign -58.523 ± 0.091 χ^2/NDF : 13505.8/55

All: -58.697 ± 0.065 χ^2/NDF : 29965.3/112

- sign -58.874 ± 0.092 χ^2/NDF : 16452.2/56

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -4.415 ± 0.184 χ^2/NDF : 435.1/30

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -4.578 ± 0.173 χ^2/NDF : 663.9/33

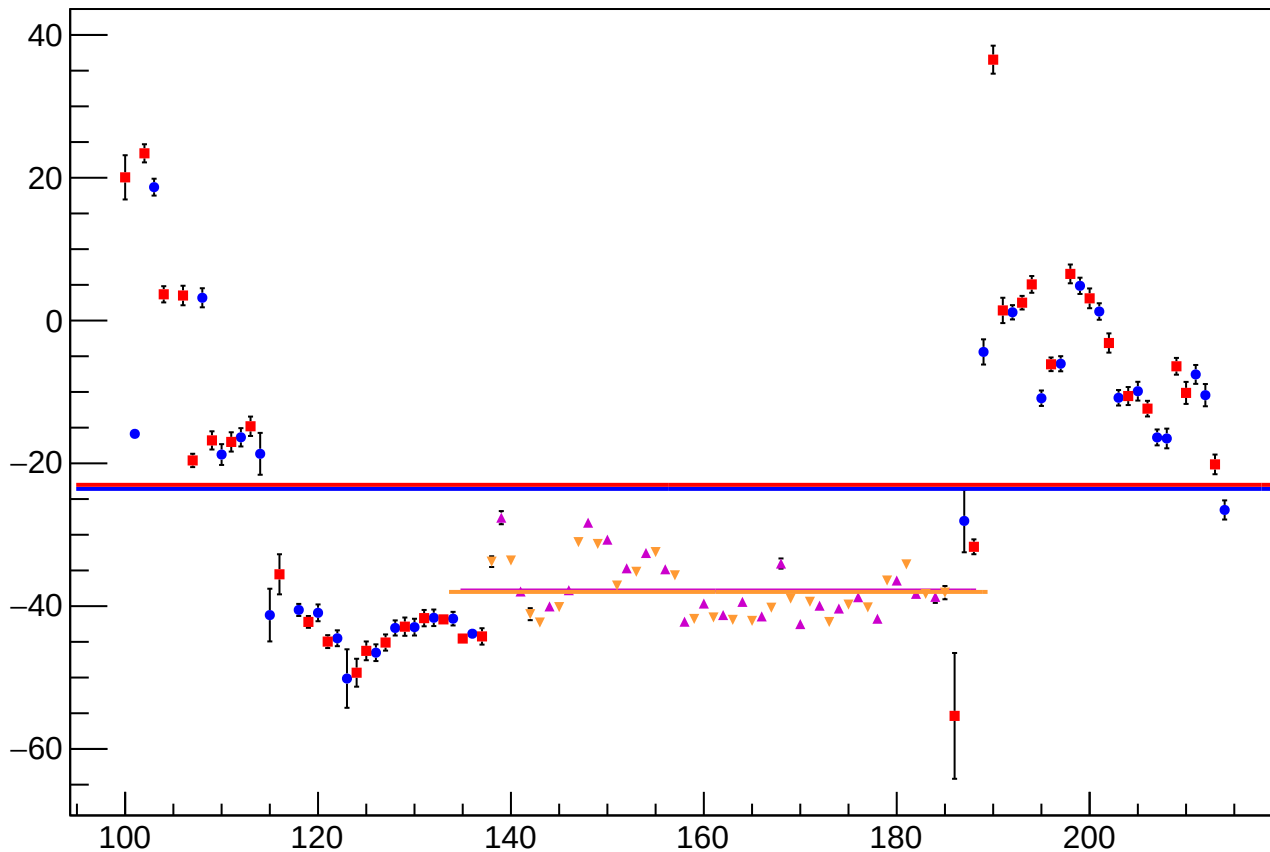
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.180 ± 0.108 χ^2/NDF : 2122.8/55

All: -8.212 ± 0.076 χ^2/NDF : 4506.9/112

- sign -8.244 ± 0.106 χ^2/NDF : 2383.9/56

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -23.575 ± 0.203 χ^2/NDF : 8666.3/30

Left Out: -38.006 ± 0.119 χ^2/NDF : 946.0/24

Right Out: -23.008 ± 0.196 χ^2/NDF : 11890.4/33

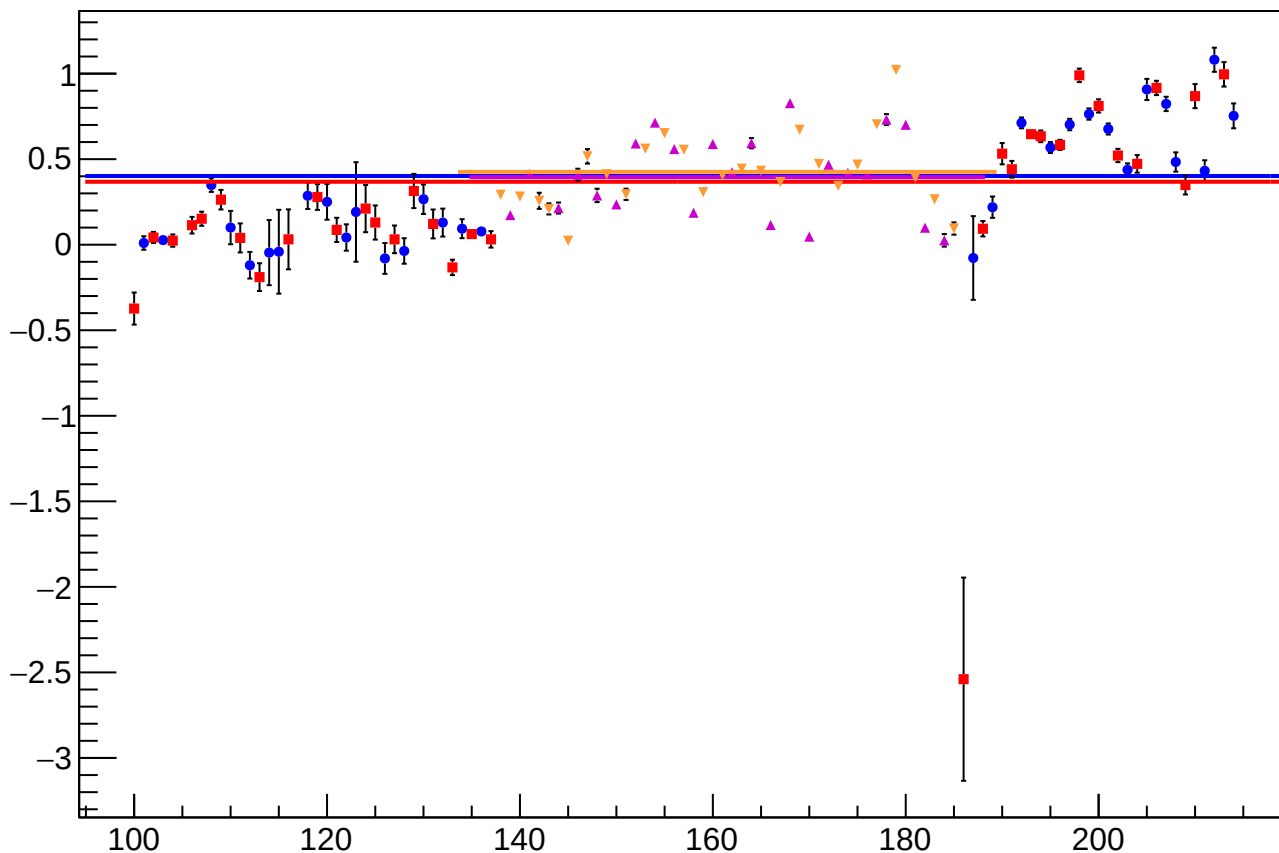
Left In: -37.809 ± 0.122 χ^2/NDF : 1039.9/22

+ sign -34.337 ± 0.103 χ^2/NDF : 13368.0/55

All: -34.007 ± 0.073 χ^2/NDF : 30417.0/112

- sign -33.668 ± 0.104 χ^2/NDF : 17028.1/56

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.402 ± 0.009 χ^2/NDF : 1373.7/30

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.368 ± 0.008 χ^2/NDF : 1706.2/33

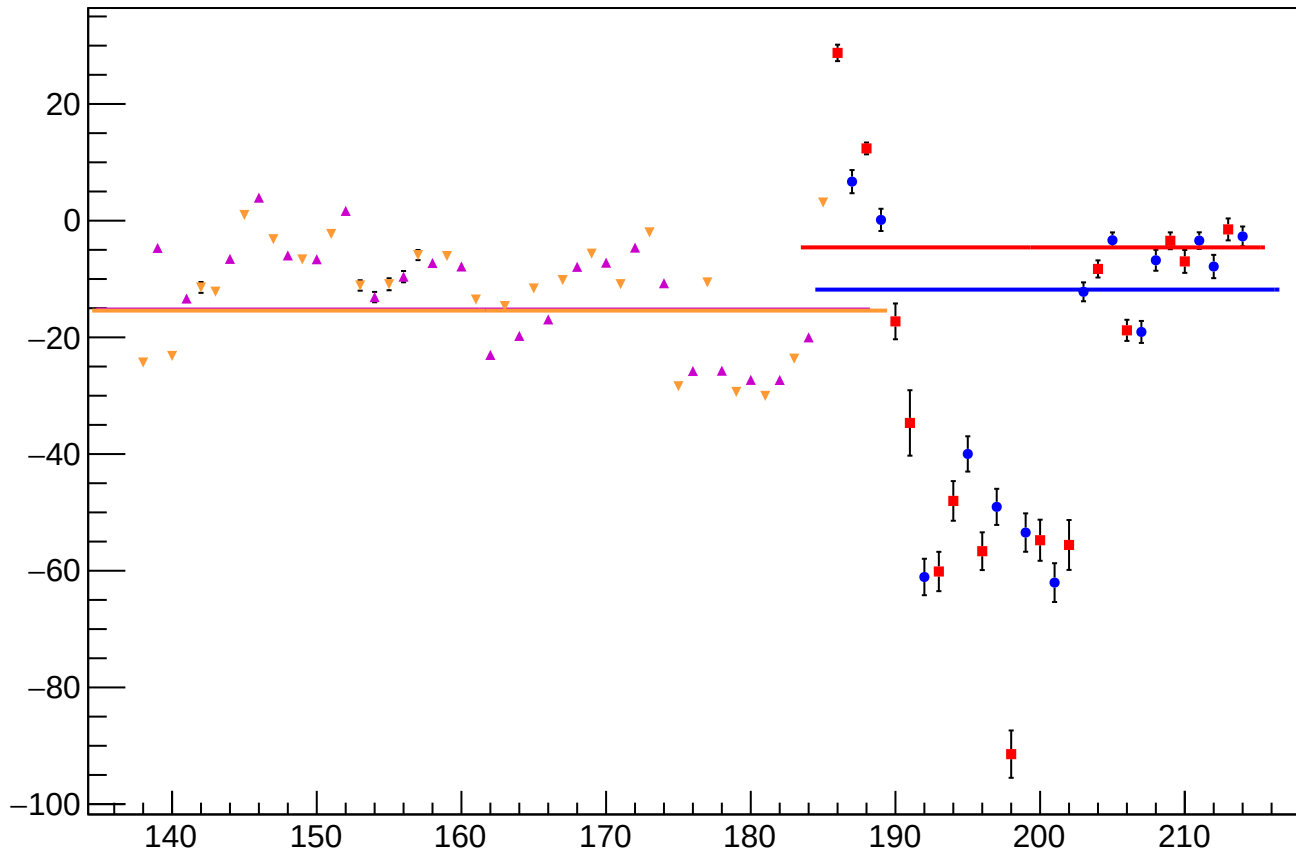
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.419 ± 0.005 χ^2/NDF : 2683.1/55

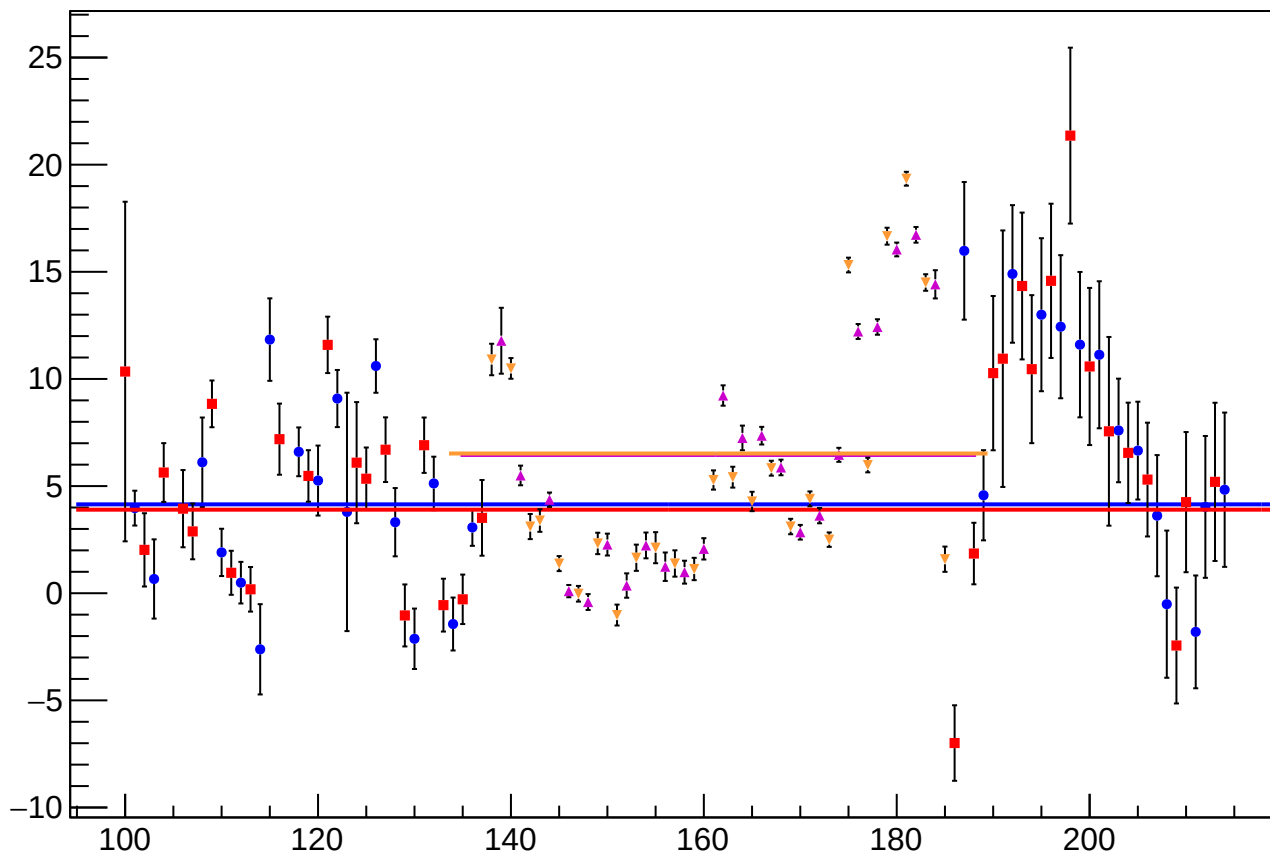
All: 0.403 ± 0.003 χ^2/NDF : 6220.0/112

- sign 0.387 ± 0.005 χ^2/NDF : 3512.0/56

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.147 ± 0.289 χ^2/NDF : 193.7/30

Left Out: 6.521 ± 0.085 χ^2/NDF : 4985.2/24

Right Out: 3.899 ± 0.289 χ^2/NDF : 229.4/33

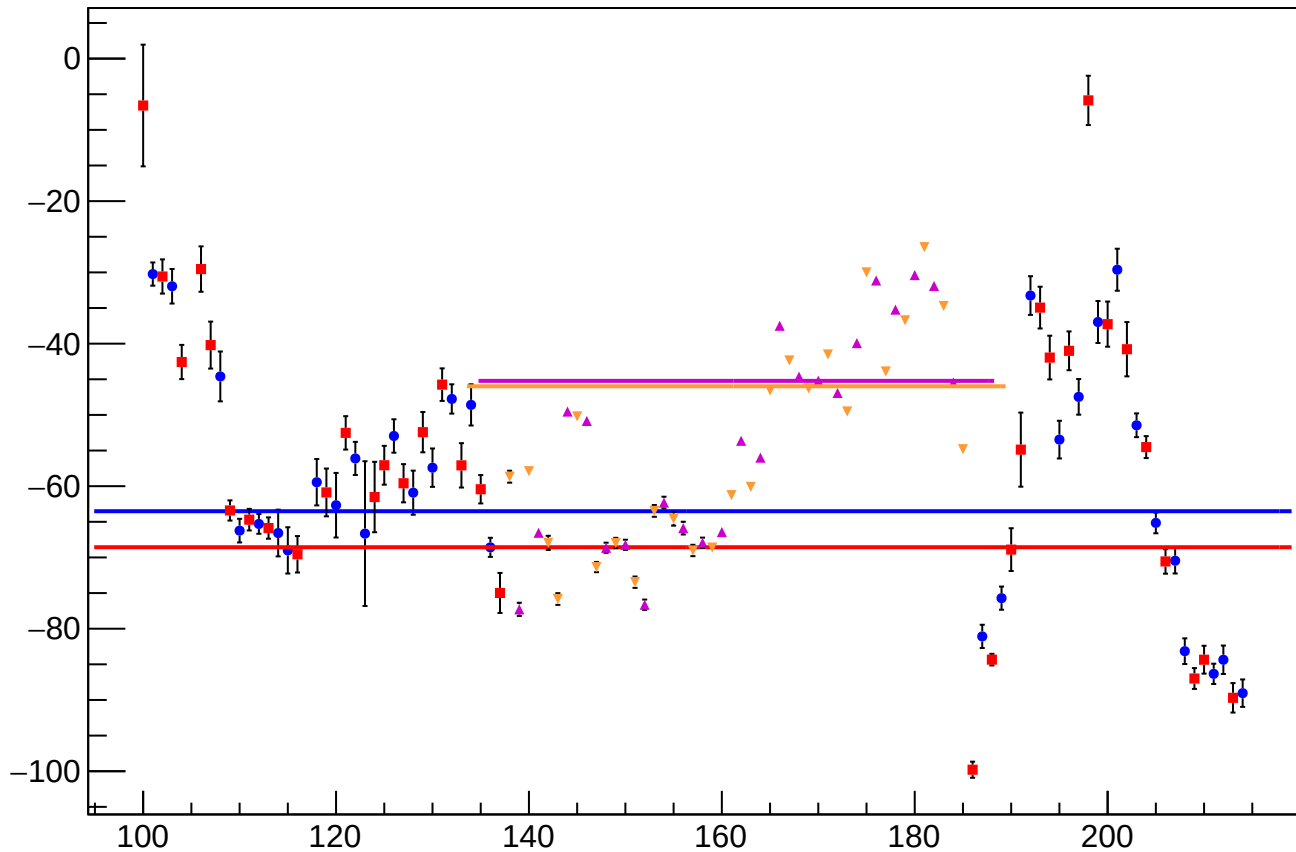
Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

+ sign 6.330 ± 0.082 χ^2/NDF : 5241.0/55

All: 6.288 ± 0.058 χ^2/NDF : 9490.5/112

- sign 6.244 ± 0.083 χ^2/NDF : 4249.0/56

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -63.513 ± 0.371 χ^2/NDF : 2055.6/30

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -68.567 ± 0.349 χ^2/NDF : 3262.1/33

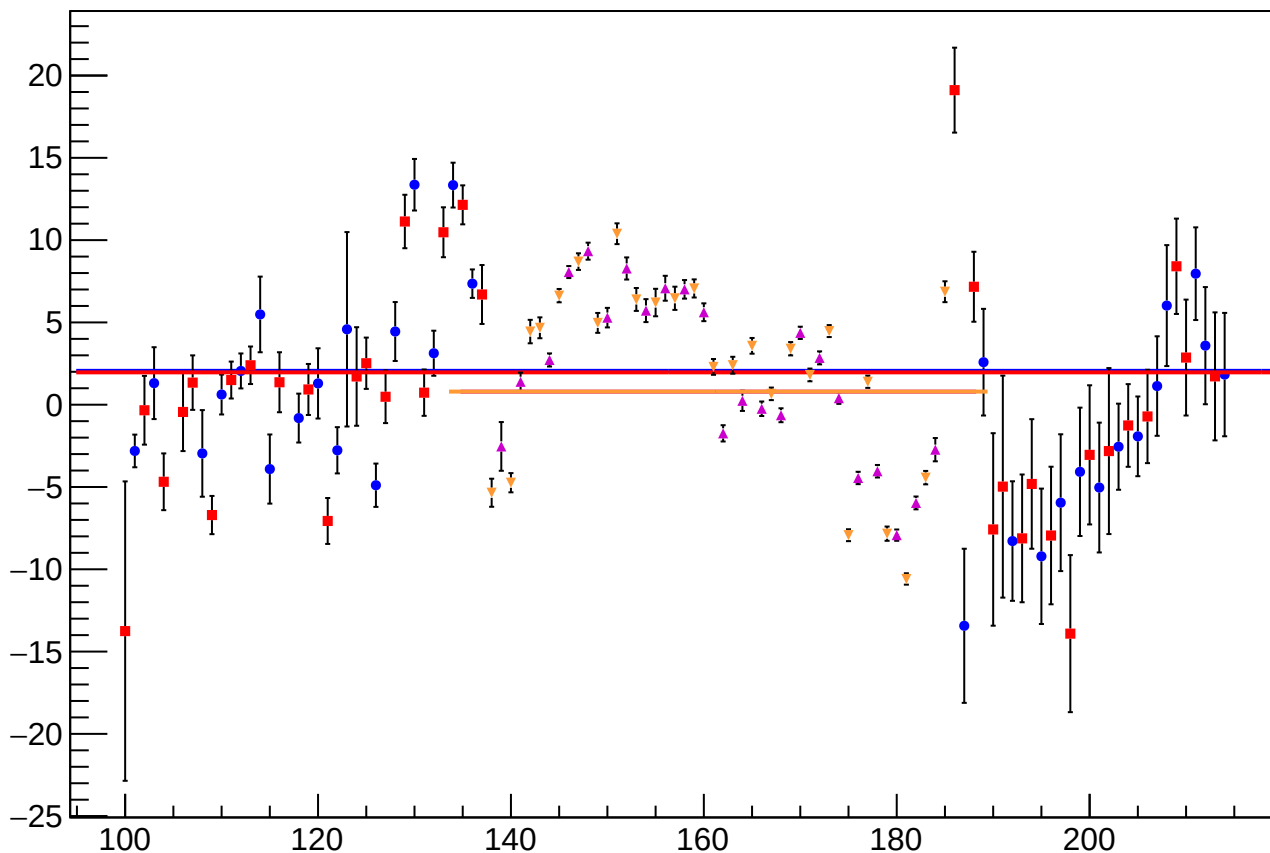
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -47.311 ± 0.102 χ^2/NDF : 21479.2/55

All: -47.275 ± 0.072 χ^2/NDF : 44440.2/112

- sign -47.239 ± 0.102 χ^2/NDF : 22960.8/56

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.057 $\pm$ 0.324 χ^2 /NDF: 291.6/30

Left Out: 0.797 $\pm$ 0.096 χ^2 /NDF: 3760.0/24

Right Out: 1.966 $\pm$ 0.330 χ^2 /NDF: 354.8/33

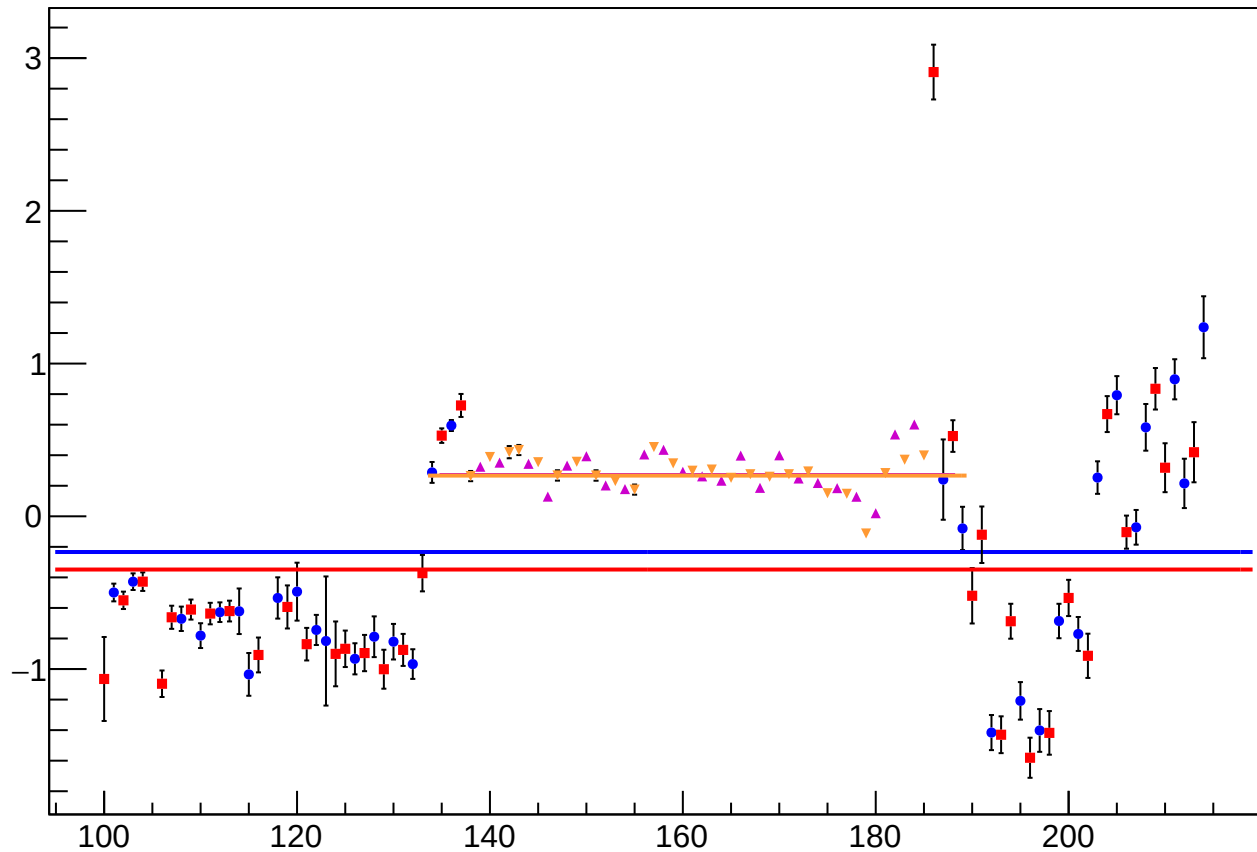
Left In: 0.792 $\pm$ 0.097 χ^2 /NDF: 2692.5/22

+ sign 0.898 $\pm$ 0.092 χ^2 /NDF: 4065.4/55

All: 0.892 $\pm$ 0.065 χ^2 /NDF: 7124.4/112

- sign 0.885 $\pm$ 0.093 χ^2 /NDF: 3058.9/56

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.234 ± 0.017 χ^2/NDF : 1492.9/30

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.348 ± 0.017 χ^2/NDF : 1692.9/33

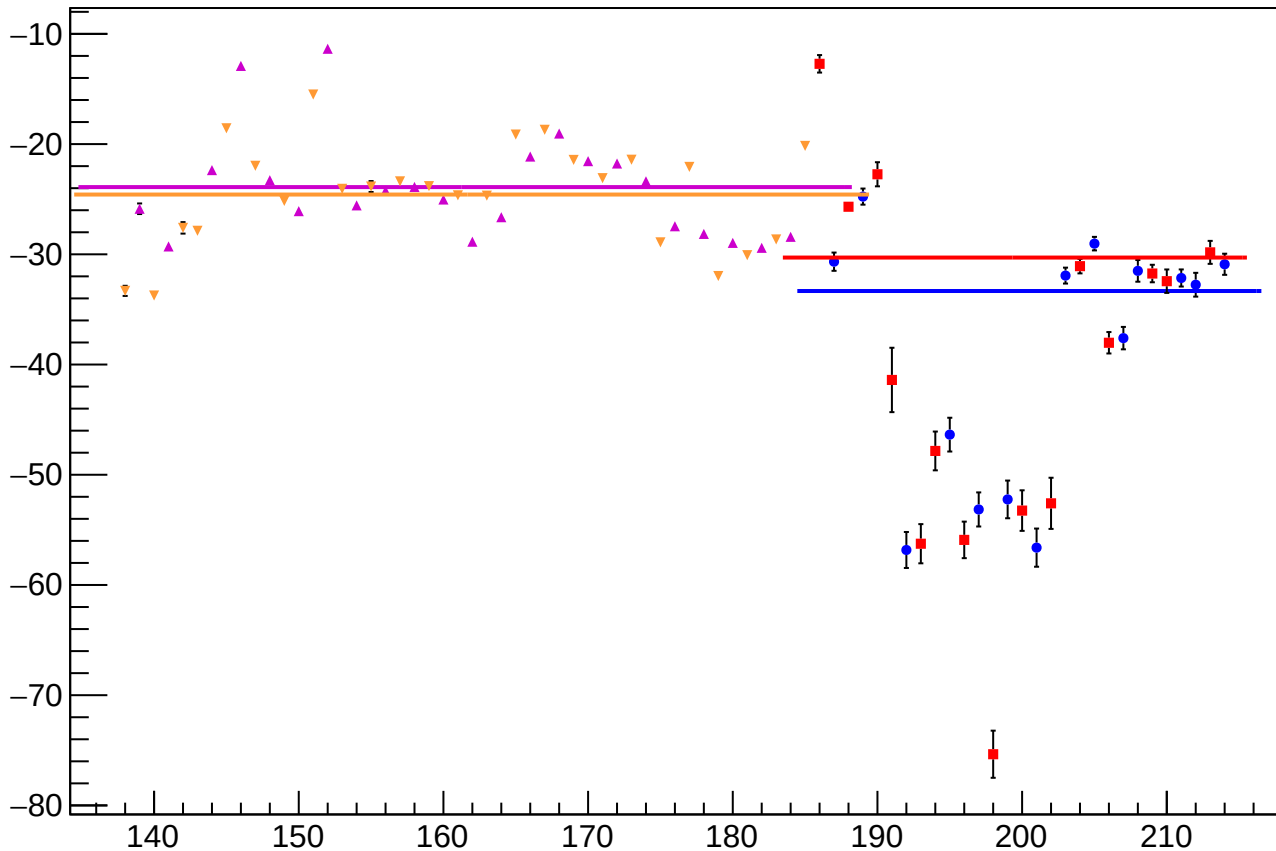
Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

+ sign 0.235 ± 0.004 χ^2/NDF : 3036.8/55

All: 0.232 ± 0.003 χ^2/NDF : 6988.0/112

- sign 0.230 ± 0.004 χ^2/NDF : 3950.5/56

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.329 ± 0.255 χ^2/NDF : 977.3/13

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -30.294 ± 0.247 χ^2/NDF : 1983.2/14

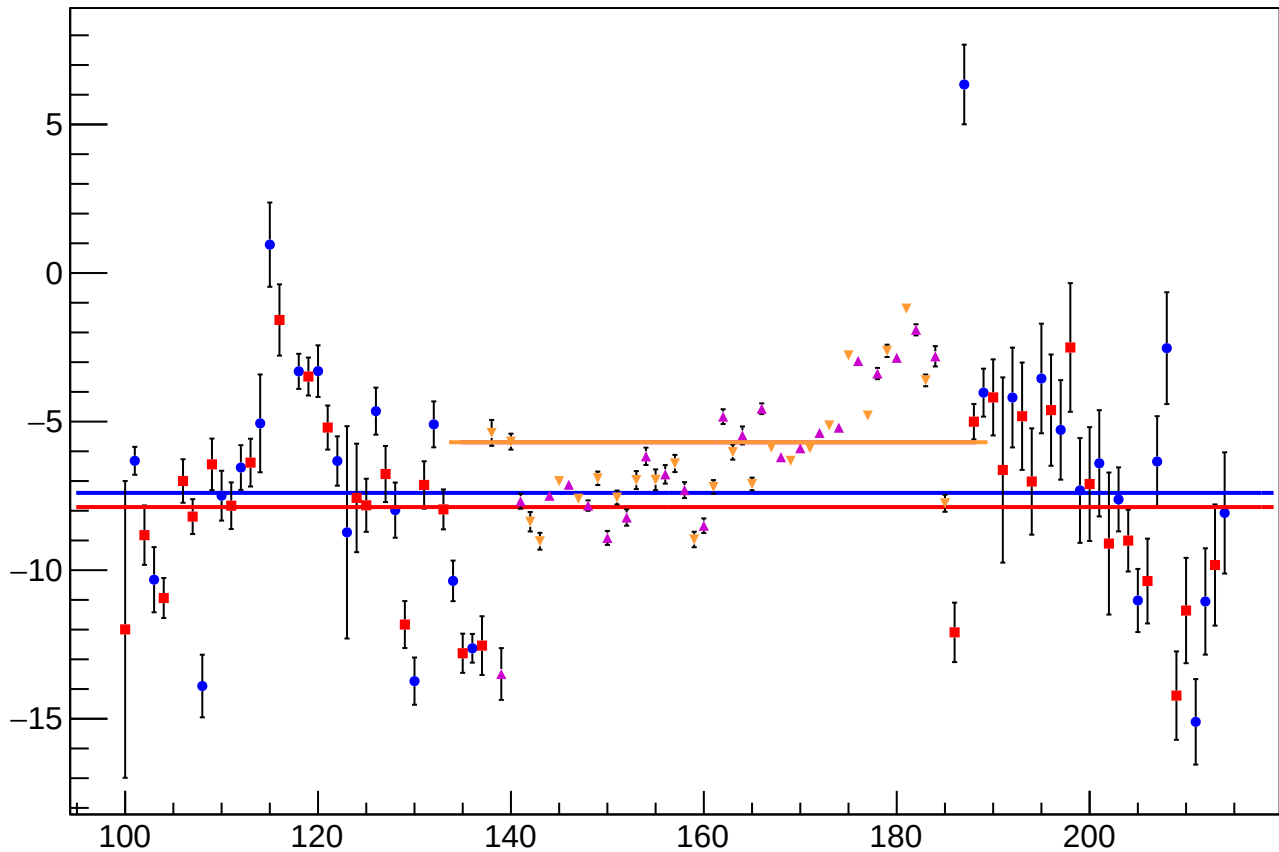
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.914 ± 0.050 χ^2/NDF : 10702.6/38

All: -24.539 ± 0.035 χ^2/NDF : 22596.7/76

- sign -24.164 ± 0.050 χ^2/NDF : 11781.6/37

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.399 ± 0.167 χ^2/NDF : 565.7/30

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.876 ± 0.164 χ^2/NDF : 312.9/33

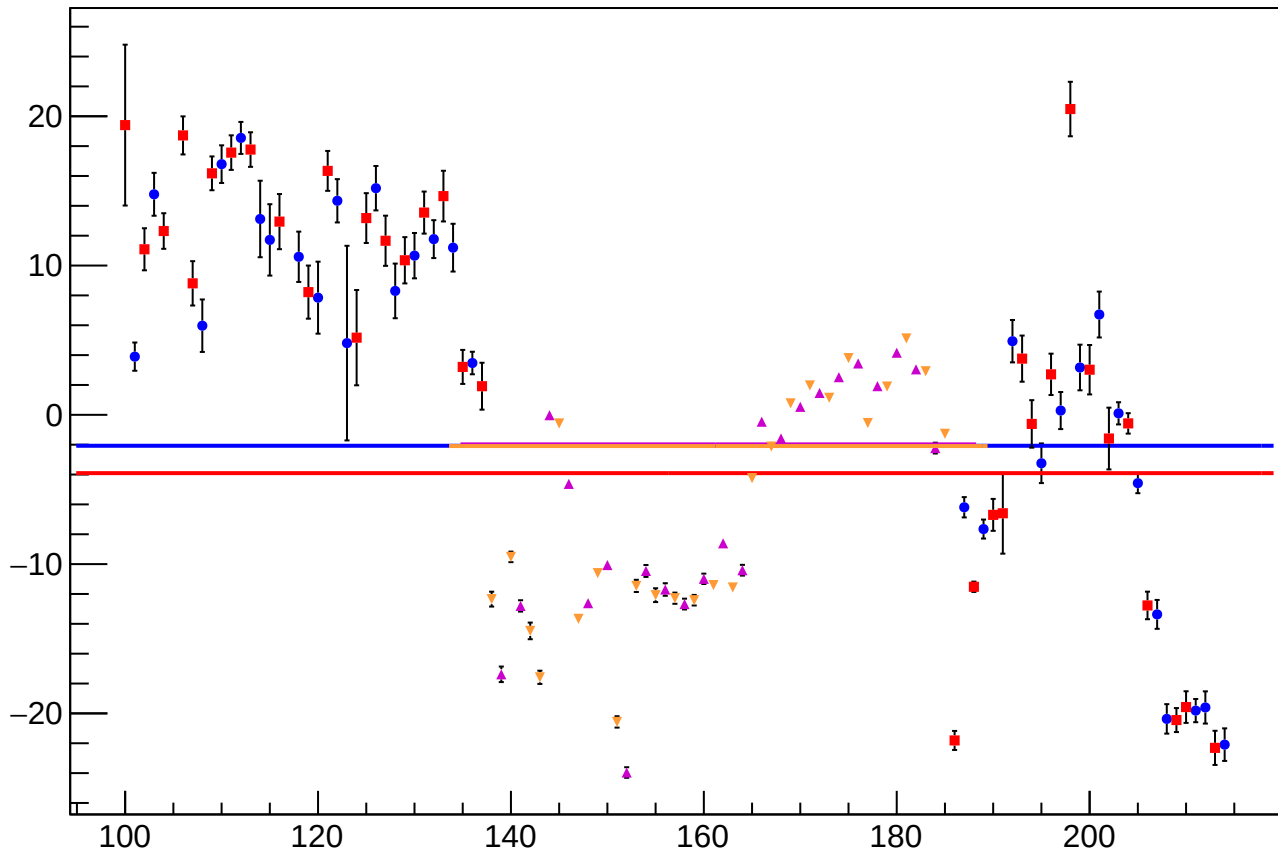
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.791 ± 0.040 χ^2/NDF : 2921.8/55

All: -5.808 ± 0.028 χ^2/NDF : 5712.3/112

- sign -5.824 ± 0.040 χ^2/NDF : 2790.1/56

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -2.072 ± 0.199 χ^2/NDF : 3352.2/30

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -3.906 ± 0.184 χ^2/NDF : 5229.9/33

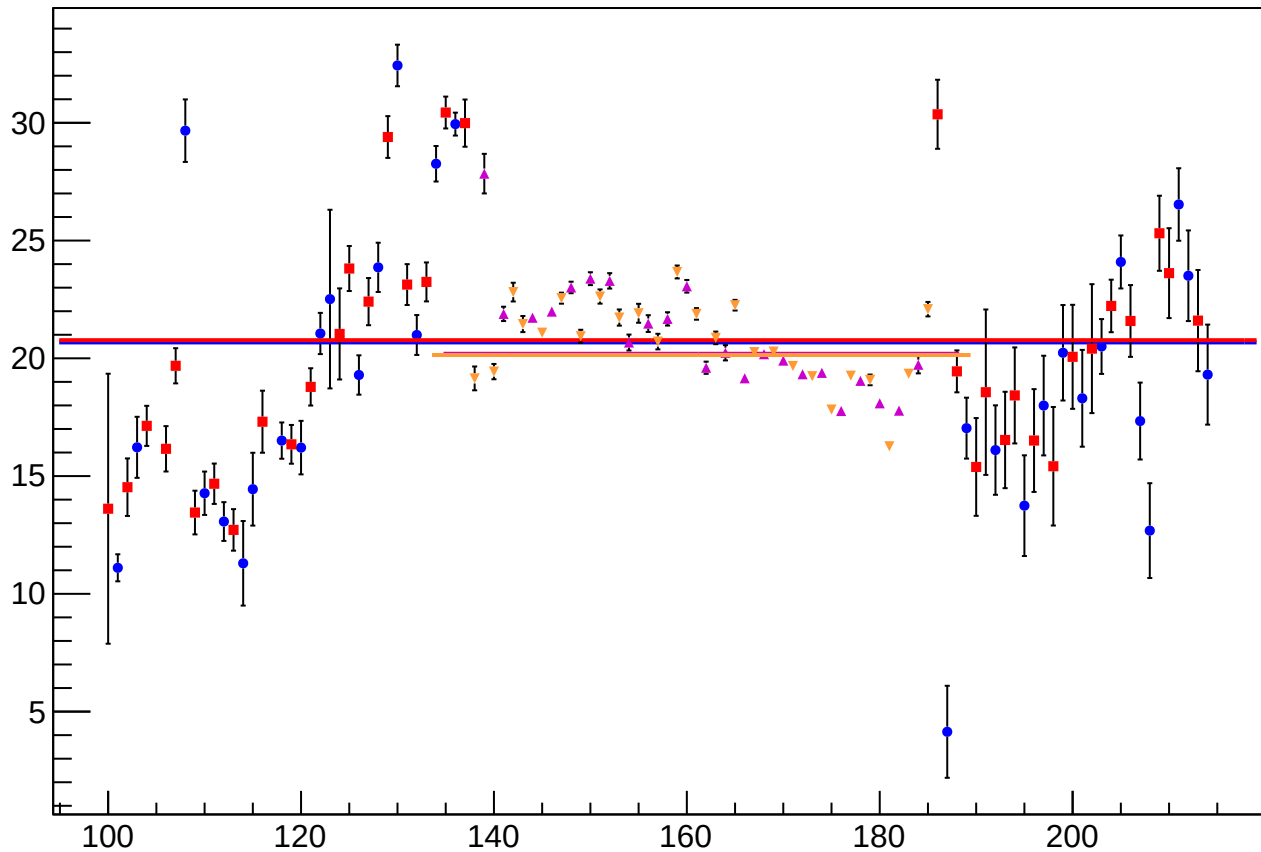
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -2.091 ± 0.050 χ^2/NDF : 19657.5/55

All: -2.105 ± 0.035 χ^2/NDF : 40371.6/112

- sign -2.119 ± 0.049 χ^2/NDF : 20714.0/56

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.675 ± 0.190 χ^2/NDF : 1357.5/30

Left Out: 20.141 ± 0.046 χ^2/NDF : 1419.1/24

Right Out: 20.770 ± 0.191 χ^2/NDF : 800.6/33

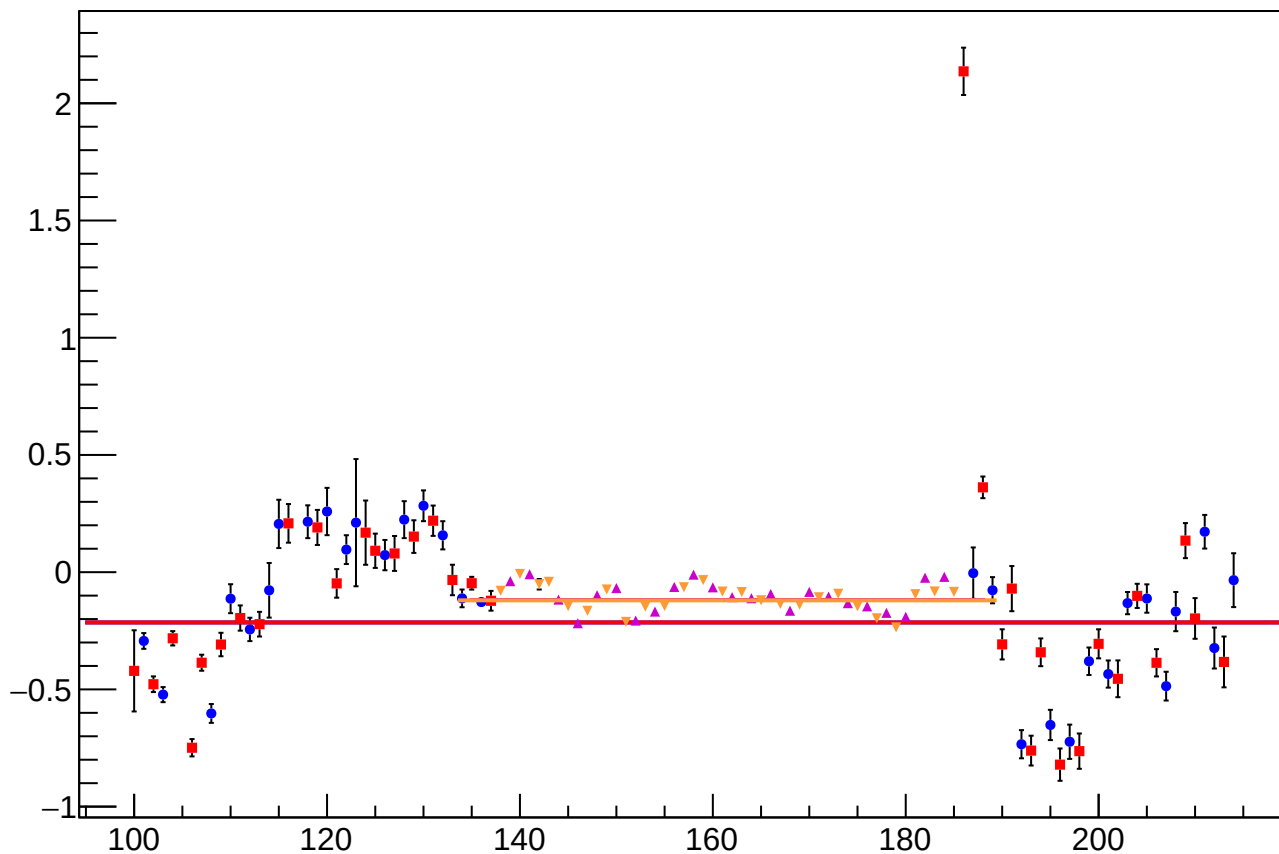
Left In: 20.194 ± 0.046 χ^2/NDF : 1447.4/22

+ sign 20.170 ± 0.045 χ^2/NDF : 2784.1/55

All: 20.198 ± 0.032 χ^2/NDF : 5041.3/112

- sign 20.225 ± 0.045 χ^2/NDF : 2256.5/56

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.215 ± 0.009 χ^2/NDF : 731.5/30

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.4/24

Right Out: -0.214 ± 0.009 χ^2/NDF : 1494.7/33

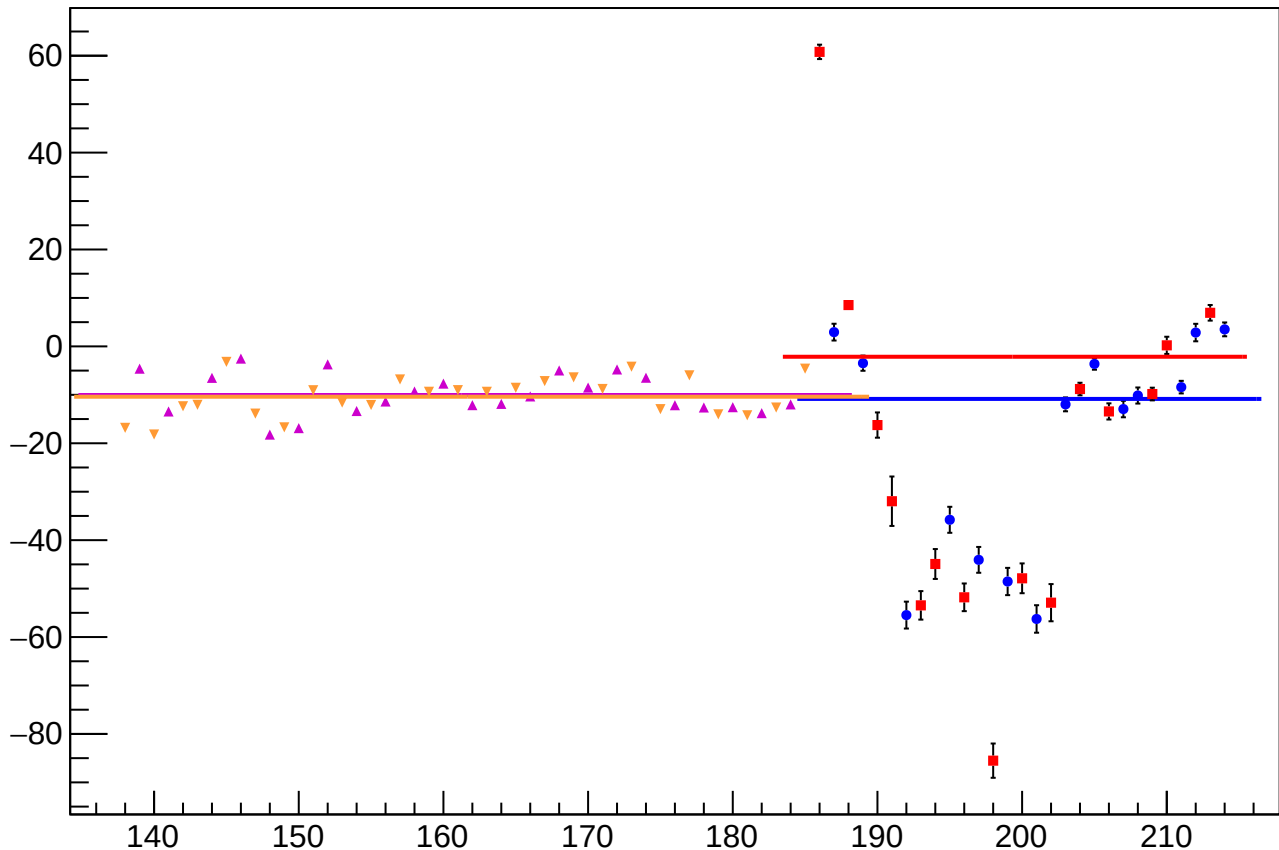
Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

+ sign -0.125 ± 0.002 χ^2/NDF : 1356.8/55

All: -0.124 ± 0.001 χ^2/NDF : 3674.6/112

- sign -0.123 ± 0.002 χ^2/NDF : 2317.7/56

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -10.845 ± 0.462 χ^2/NDF : 1221.9/13

Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24

Right Out: -2.140 ± 0.455 χ^2/NDF : 3900.2/14

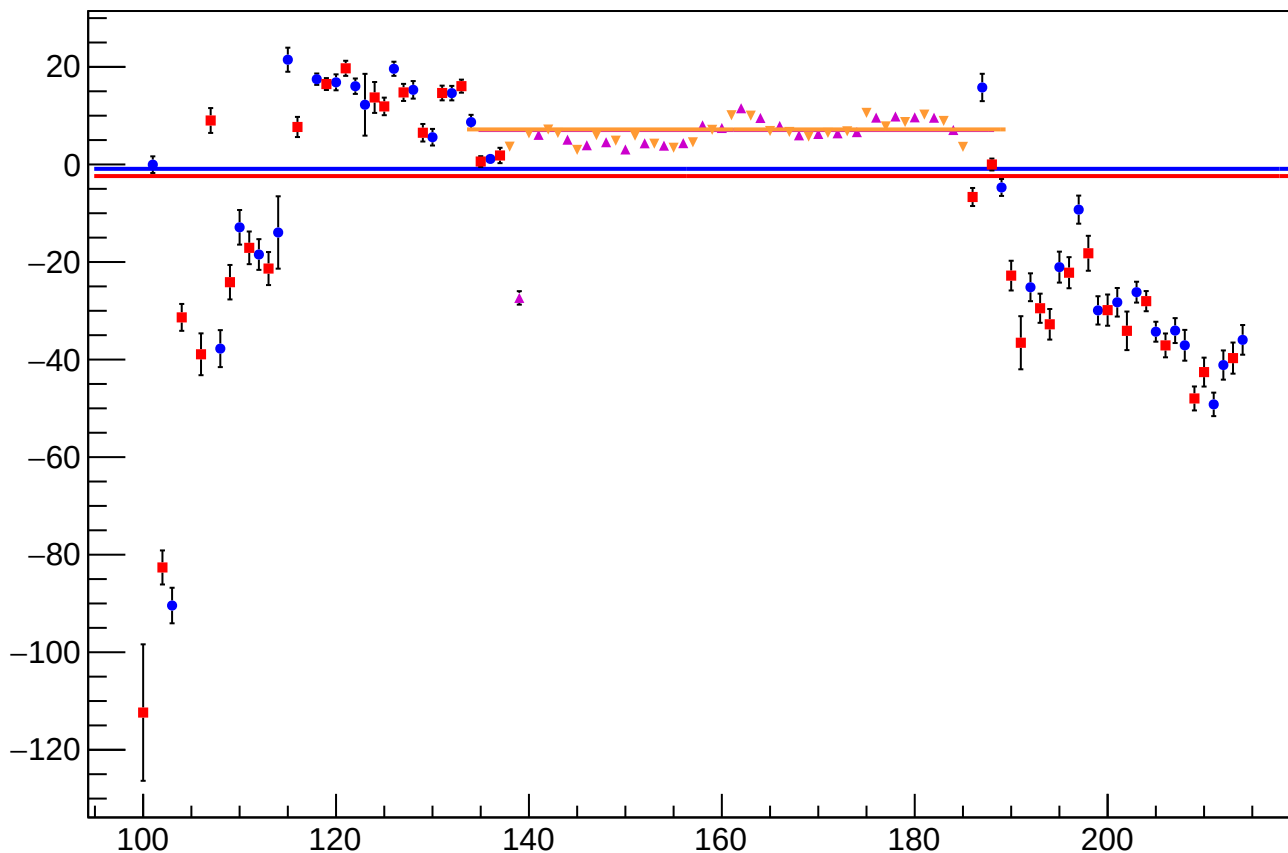
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.407 ± 0.086 χ^2/NDF : 3334.5/38

All: -10.080 ± 0.062 χ^2/NDF : 9312.3/76

- sign -9.742 ± 0.088 χ^2/NDF : 5948.6/37

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -0.898 ± 0.350 χ^2/NDF : 3535.4/30

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: -2.381 ± 0.360 χ^2/NDF : 3375.0/33

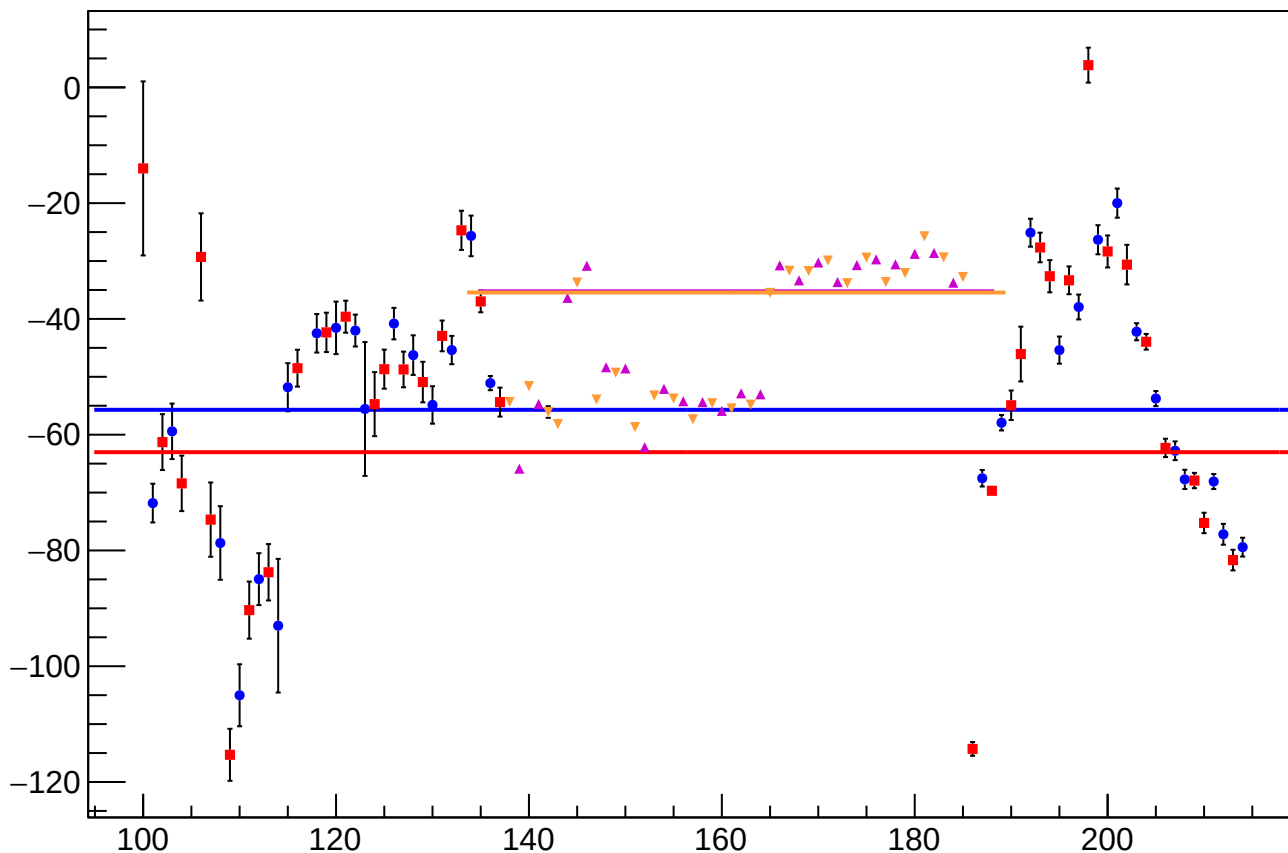
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 6.843 ± 0.072 χ^2/NDF : 4964.1/55

All: 6.756 ± 0.051 χ^2/NDF : 10537.5/112

- sign 6.668 ± 0.073 χ^2/NDF : 5570.4/56

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -55.703 ± 0.383 $\chi^2/\text{NDF}: 1628.5/30$

Left Out: -35.434 ± 0.089 $\chi^2/\text{NDF}: 12782.8/24$

Right Out: -63.018 ± 0.366 $\chi^2/\text{NDF}: 4340.0/33$

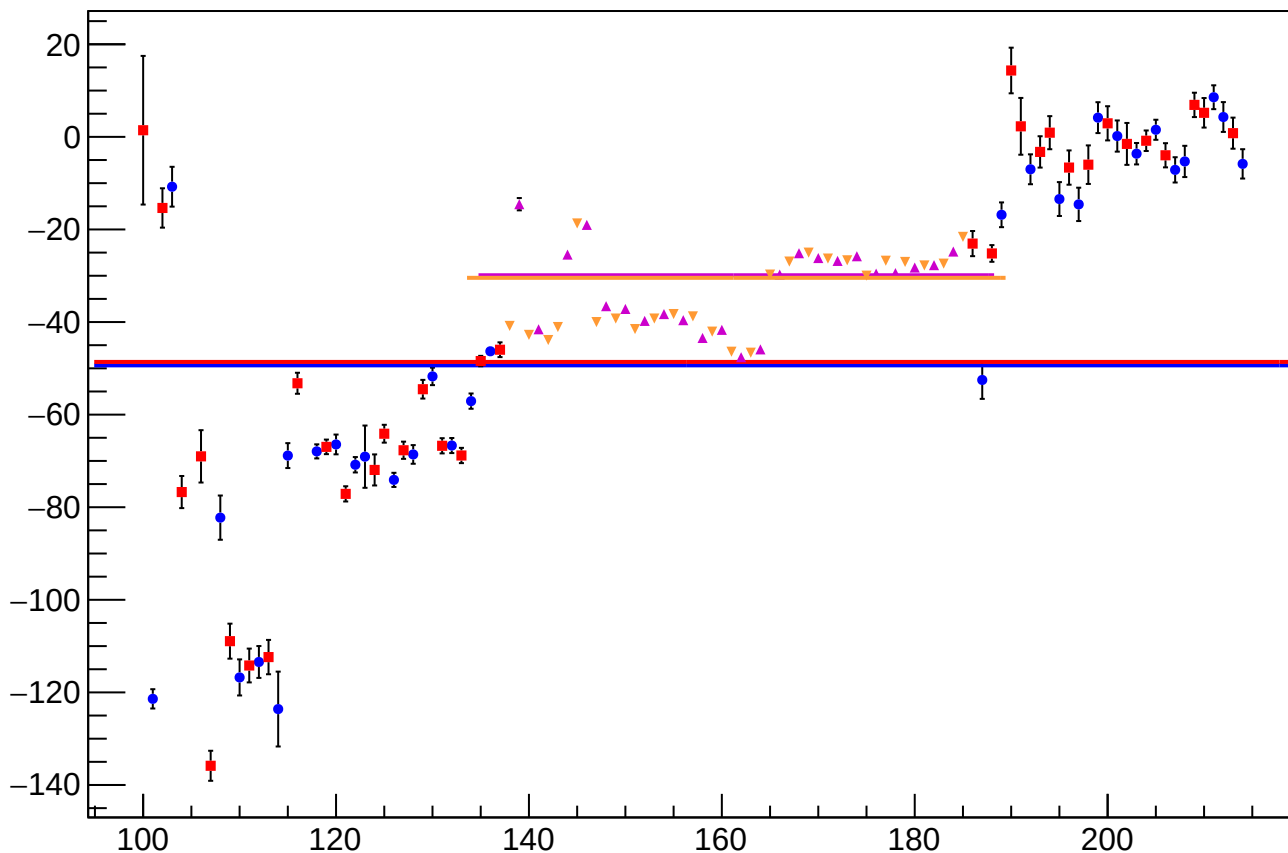
Left In: -35.229 ± 0.090 $\chi^2/\text{NDF}: 11602.9/22$

+ sign -36.474 ± 0.087 $\chi^2/\text{NDF}: 17070.9/55$

All: -36.645 ± 0.062 $\chi^2/\text{NDF}: 38466.3/112$

- sign -36.820 ± 0.087 $\chi^2/\text{NDF}: 21387.6/56$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -49.357 ± 0.391 $\chi^2/\text{NDF}: 6304.1/30$

Left Out: -30.448 ± 0.082 $\chi^2/\text{NDF}: 8167.7/24$

Right Out: -48.612 ± 0.412 $\chi^2/\text{NDF}: 5787.1/33$

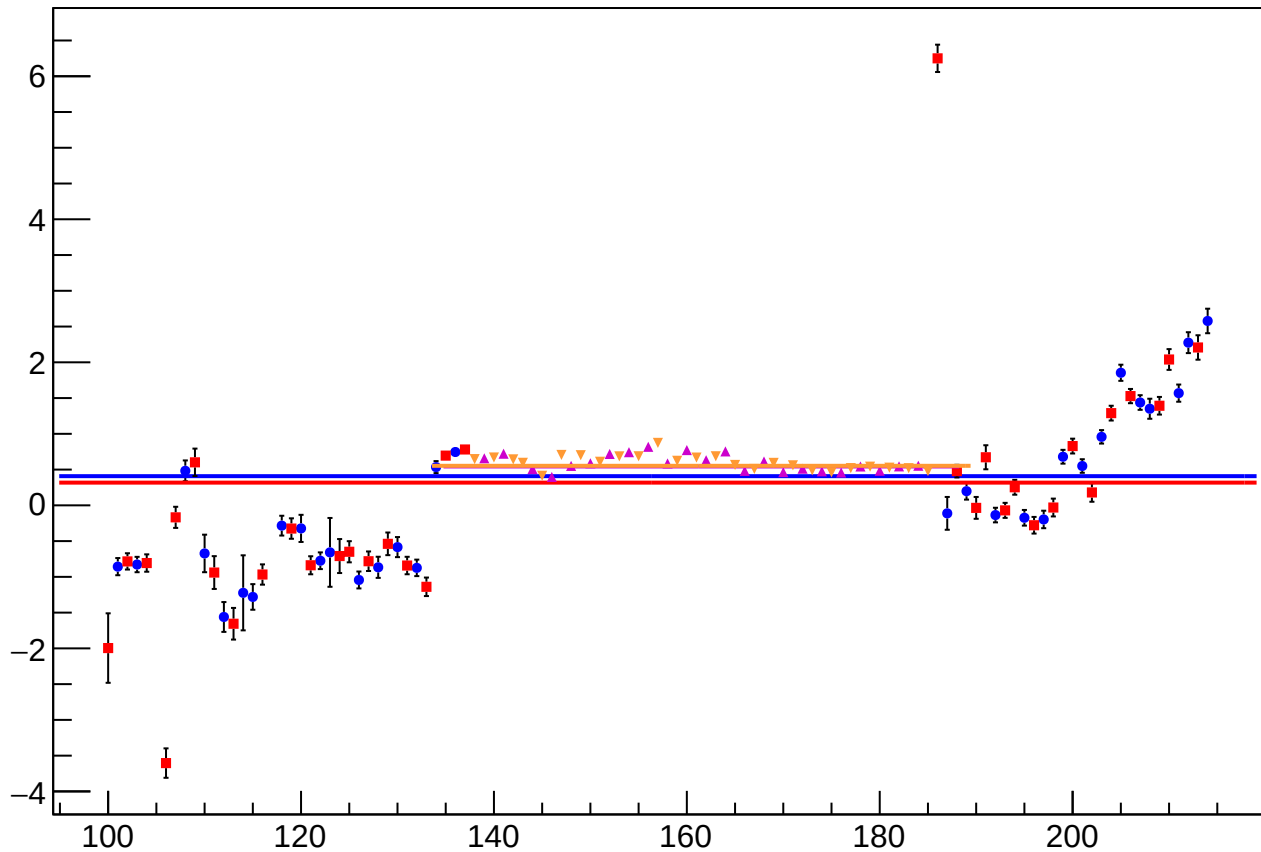
Left In: -29.892 ± 0.083 $\chi^2/\text{NDF}: 7115.0/22$

+ sign -31.237 ± 0.080 $\chi^2/\text{NDF}: 16715.6/55$

All: -30.930 ± 0.057 $\chi^2/\text{NDF}: 31629.8/112$

- sign -30.614 ± 0.081 $\chi^2/\text{NDF}: 14884.2/56$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.408 $\pm$ 0.019 χ^2 /NDF: 1960.9/30

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.1/24

Right Out: 0.318 $\pm$ 0.020 χ^2 /NDF: 2987.9/33

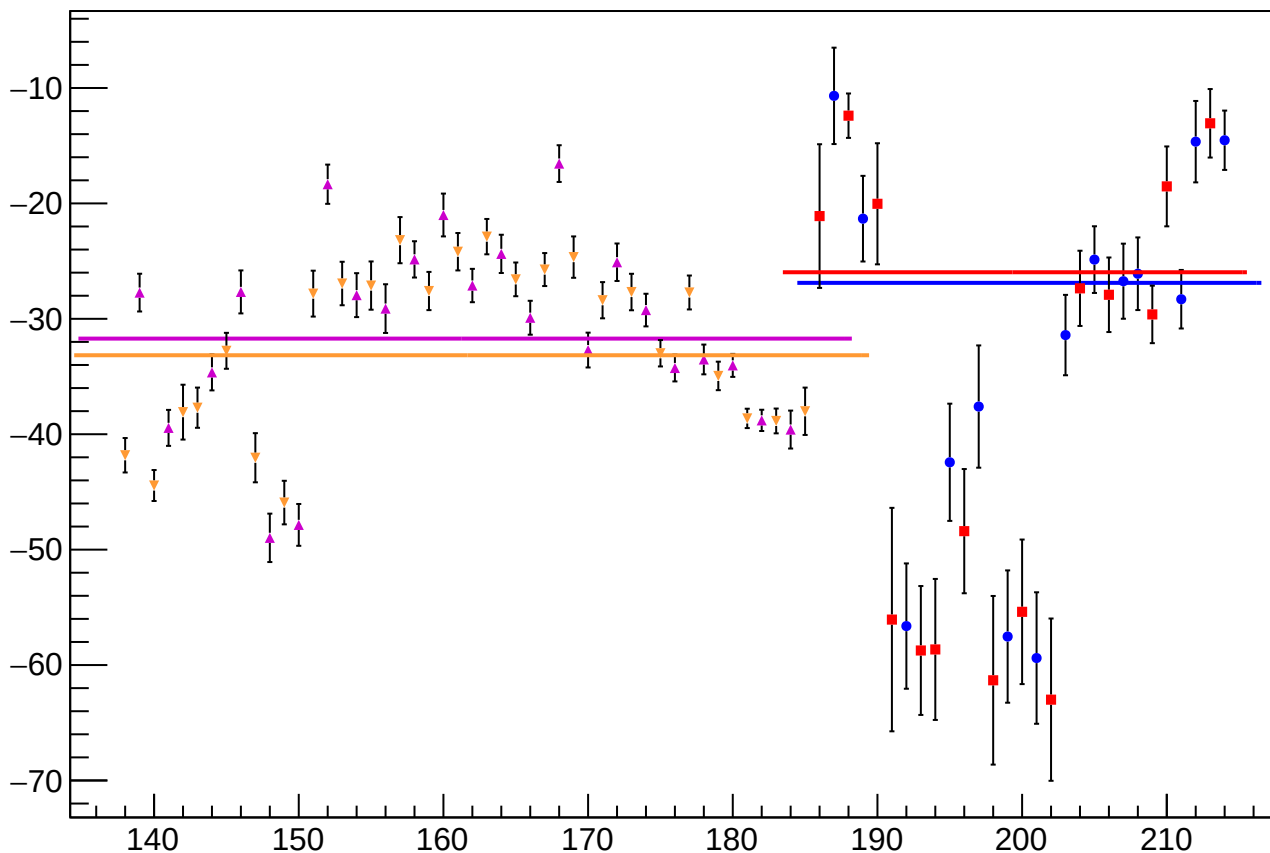
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:655.9/22

+ sign 0.548 $\pm$ 0.004 χ^2 /NDF: 2559.0/55

All: 0.542 $\pm$ 0.003 χ^2 /NDF: 6330.7/112

- sign 0.536 $\pm$ 0.004 χ^2 /NDF: 3766.7/56

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -26.884 ± 0.960 χ^2/NDF : 159.6/13

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -25.965 ± 0.976 χ^2/NDF : 241.2/14

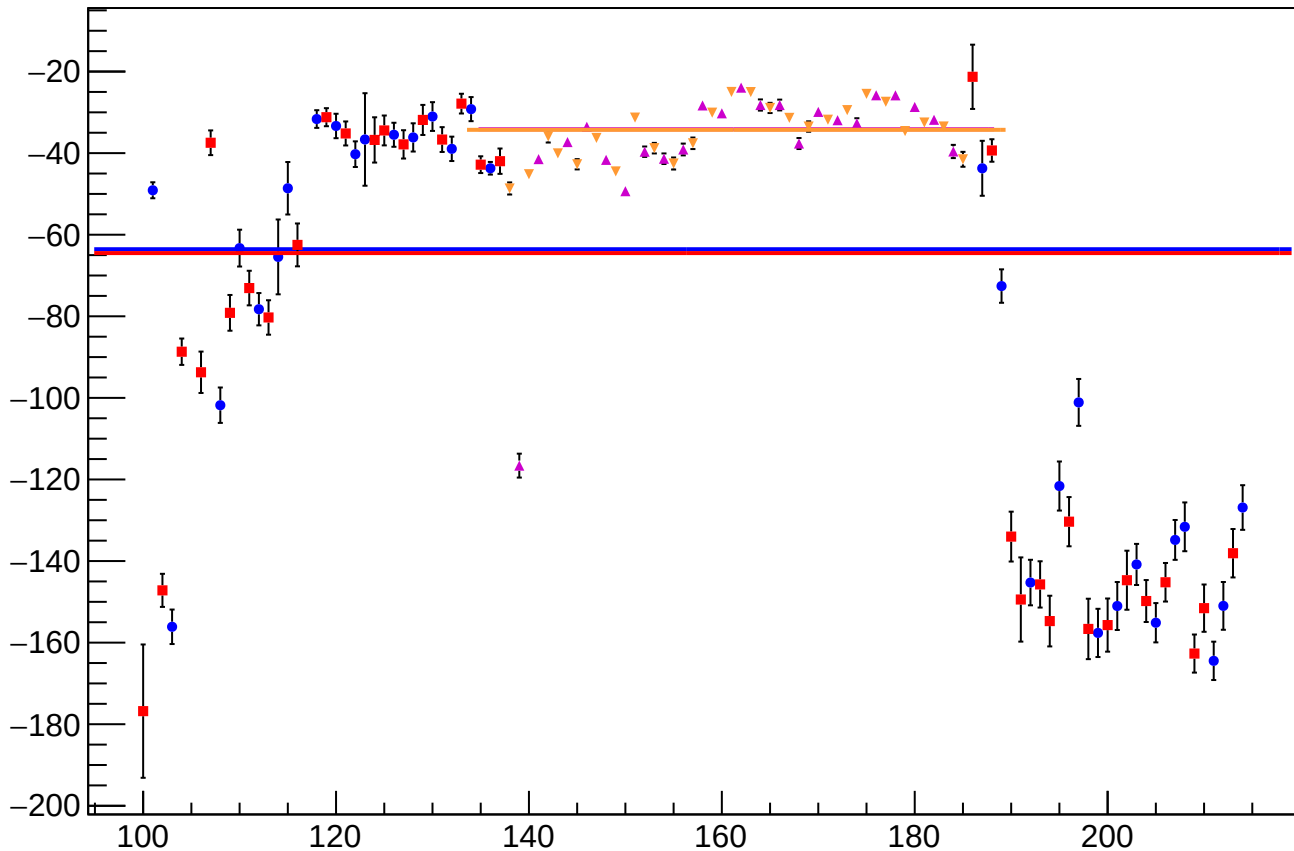
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -32.598 ± 0.287 χ^2/NDF : 698.6/38

All: -31.914 ± 0.205 χ^2/NDF : 1525.3/76

- sign -31.191 ± 0.295 χ^2/NDF : 814.9/37

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -63.554 ± 0.650 χ^2/NDF : 4210.3/30

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -64.503 ± 0.670 χ^2/NDF : 4400.5/33

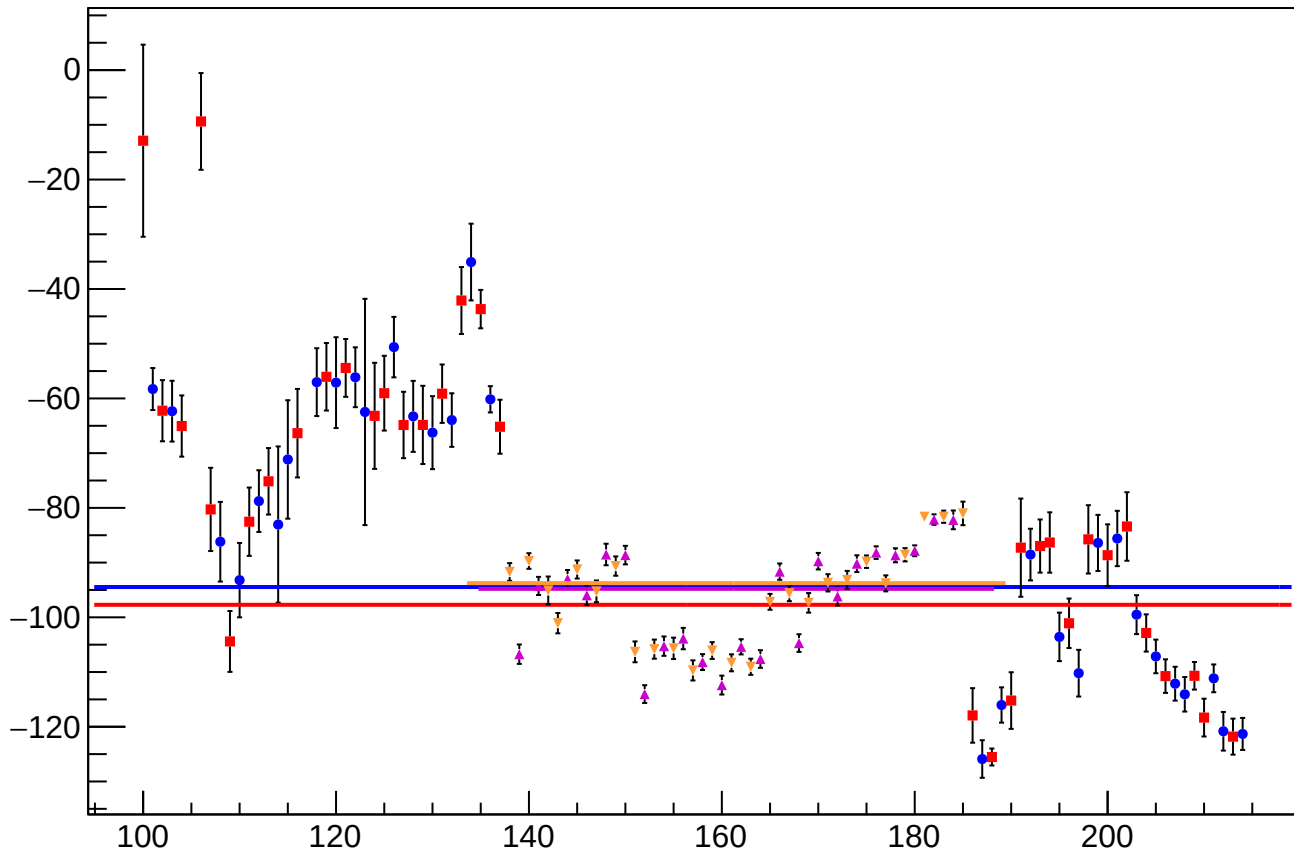
Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

+ sign -37.832 ± 0.226 χ^2/NDF : 6684.9/55

All: -37.853 ± 0.163 χ^2/NDF : 14338.3/112

- sign -37.875 ± 0.235 χ^2/NDF : 7653.4/56

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -94.465 ± 0.761 χ^2/NDF : 1090.5/30

Left Out: -93.754 ± 0.302 χ^2/NDF : 883.1/24

Right Out: -97.713 ± 0.754 χ^2/NDF : 1370.9/33

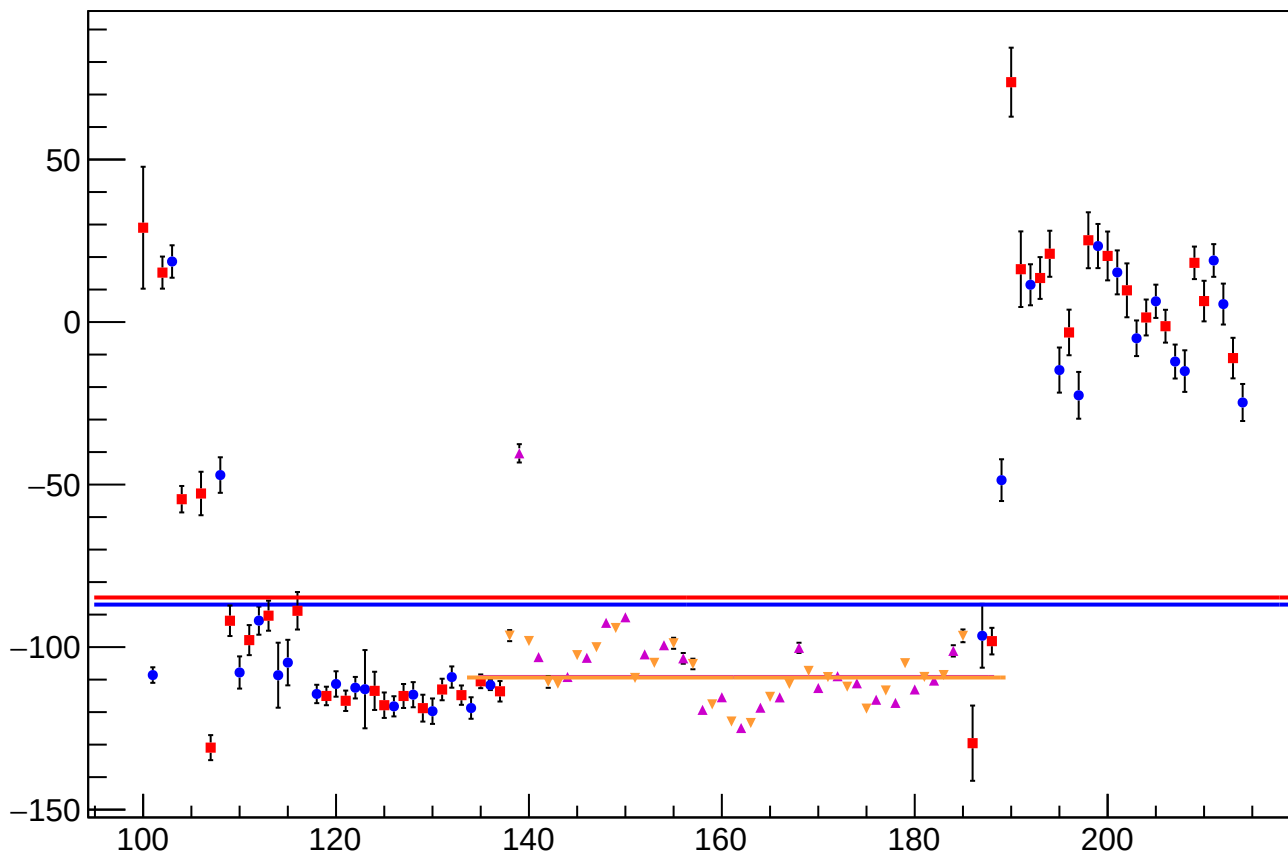
Left In: -94.796 ± 0.308 χ^2/NDF : 974.7/22

+ sign -93.851 ± 0.280 χ^2/NDF : 1974.3/55

All: -94.521 ± 0.200 χ^2/NDF : 4344.4/112

- sign -95.215 ± 0.285 χ^2/NDF : 2358.4/56

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -86.920 ± 0.732 χ^2/NDF : 4048.9/30

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -84.735 ± 0.767 χ^2/NDF : 4233.7/33

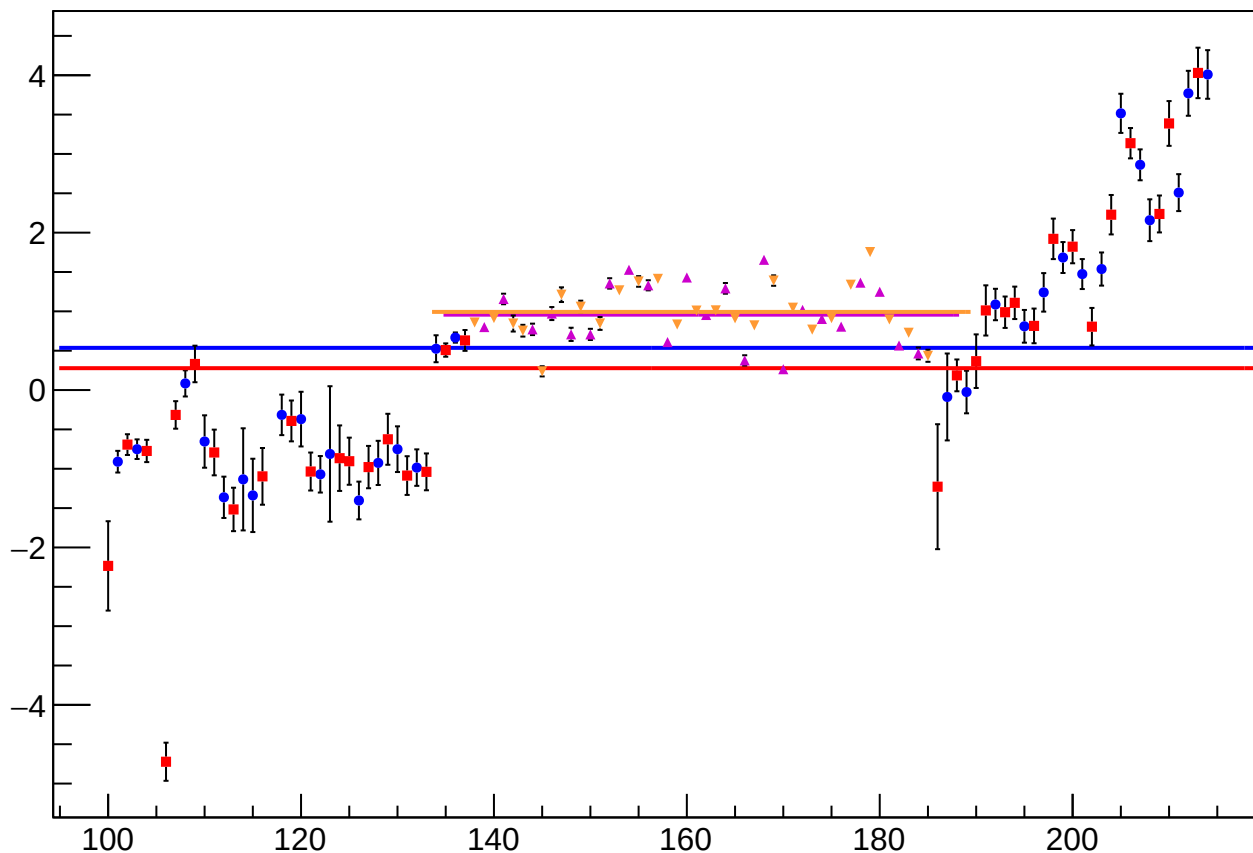
Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

+ sign -106.645 ± 0.254 χ^2/NDF : 5700.9/55

All: -106.483 ± 0.183 χ^2/NDF : 12333.8/112

- sign -106.309 ± 0.263 χ^2/NDF : 6632.0/56

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.536 ± 0.035 χ^2/NDF : 1290.7/30

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: 0.278 ± 0.036 χ^2/NDF : 1553.4/33

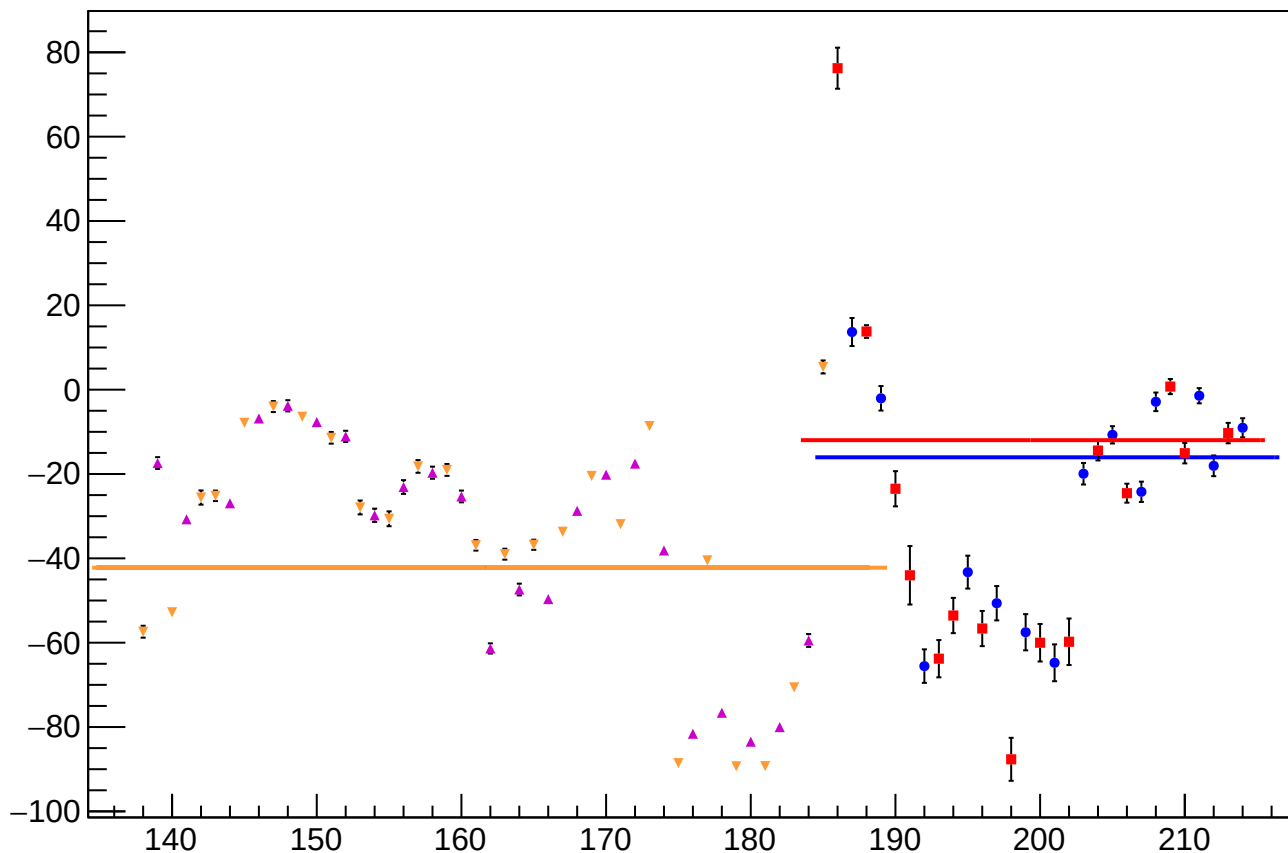
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.942 ± 0.012 χ^2/NDF : 2080.3/55

All: 0.913 ± 0.008 χ^2/NDF : 4856.6/112

- sign 0.883 ± 0.012 χ^2/NDF : 2764.0/56

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -16.039 ± 0.718 χ^2/NDF : 728.7/13

Left Out: -42.213 ± 0.222 χ^2/NDF : 18309.1/24

Right Out: -11.975 ± 0.730 χ^2/NDF : 1497.2/14

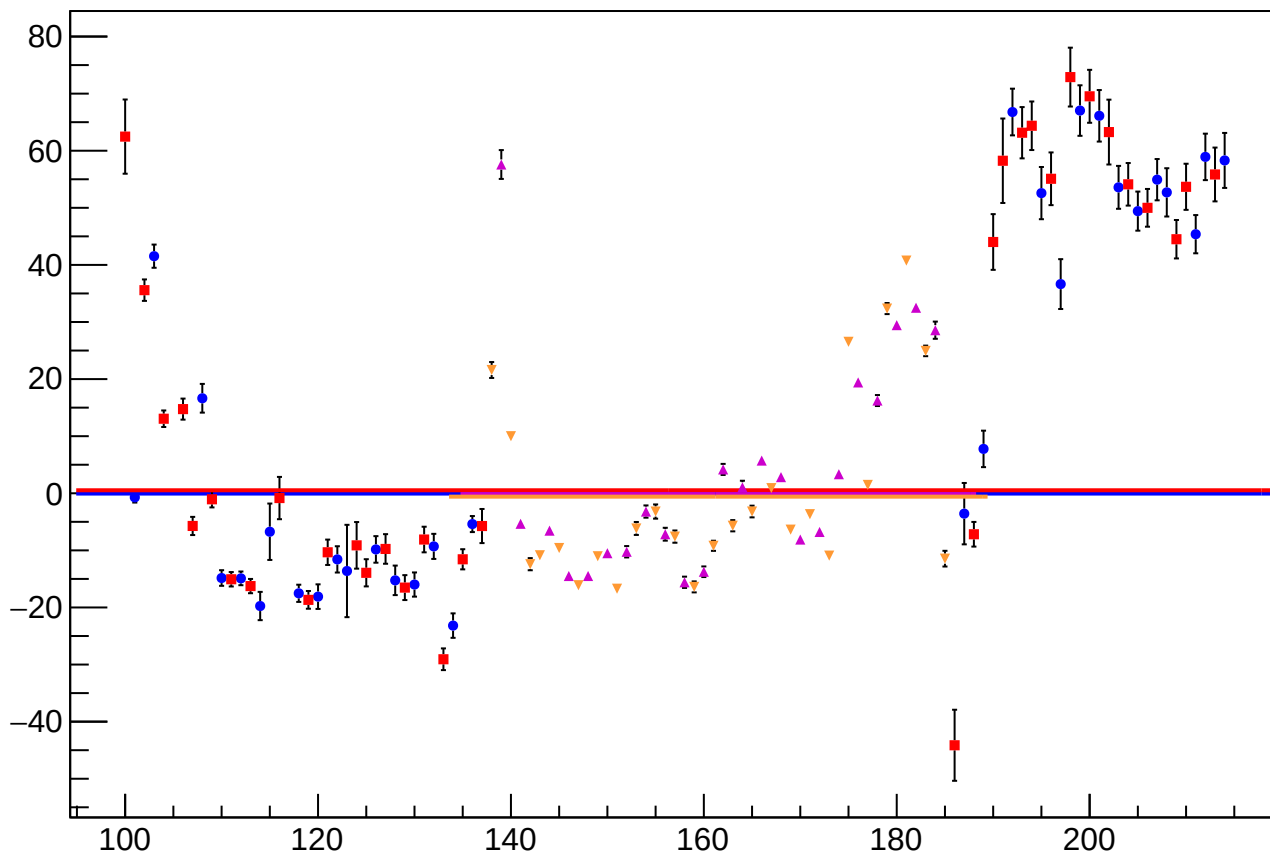
Left In: -42.176 ± 0.227 χ^2/NDF : 14575.9/22

+ sign -39.928 ± 0.212 χ^2/NDF : 20251.4/38

All: -39.723 ± 0.152 χ^2/NDF : 37888.0/76

- sign -39.510 ± 0.217 χ^2/NDF : 17634.7/37

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -0.050 ± 0.400 χ^2/NDF : 3550.4/30

Left Out: -0.590 ± 0.174 χ^2/NDF : 8750.9/24

Right Out: 0.527 ± 0.397 χ^2/NDF : 3743.4/33

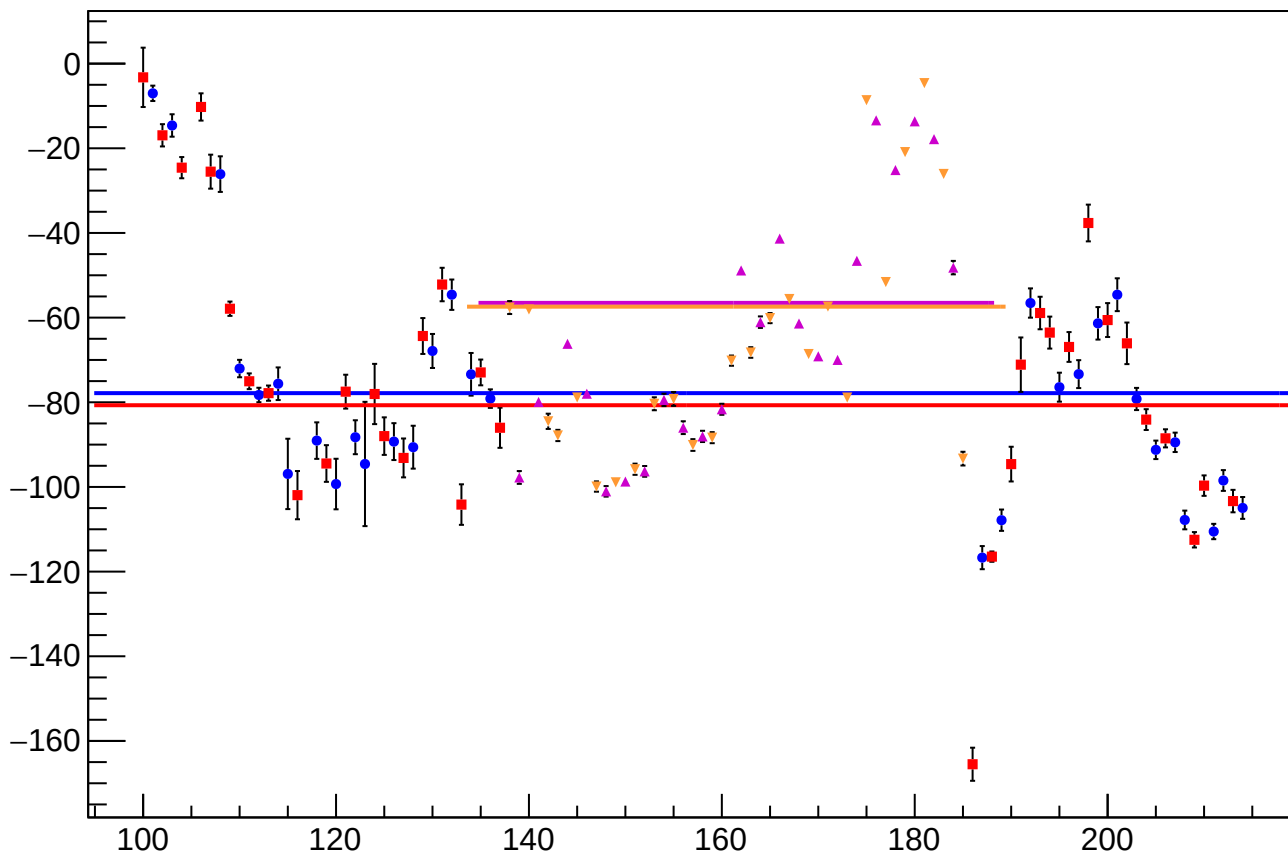
Left In: -0.142 ± 0.179 χ^2/NDF : 6862.5/22

+ sign -0.504 ± 0.160 χ^2/NDF : 12302.9/55

All: -0.271 ± 0.114 χ^2/NDF : 22915.4/112

- sign -0.028 ± 0.163 χ^2/NDF : 10608.2/56

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -77.840 ± 0.510 $\chi^2/\text{NDF}: 3538.4/30$

Left Out: -57.413 ± 0.223 $\chi^2/\text{NDF}: 18604.1/24$

Right Out: -80.697 ± 0.487 $\chi^2/\text{NDF}: 4209.1/33$

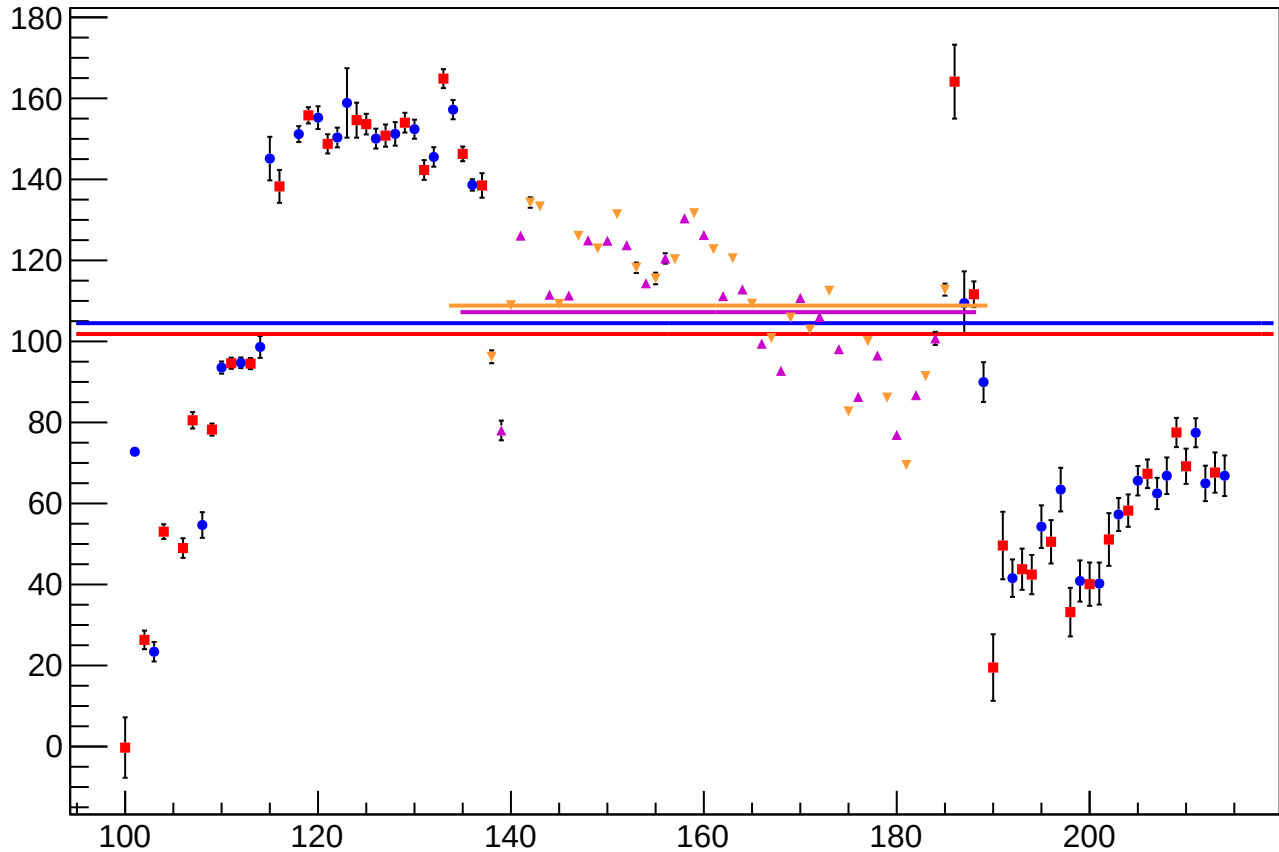
Left In: -56.519 ± 0.227 $\chi^2/\text{NDF}: 16352.6/22$

+ sign -60.702 ± 0.204 $\chi^2/\text{NDF}: 23490.7/55$

All: -60.766 ± 0.145 $\chi^2/\text{NDF}: 46075.1/112$

- sign -60.831 ± 0.206 $\chi^2/\text{NDF}: 22584.1/56$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 104.503 $\pm$ 0.455 χ^2 /NDF: 7332.1/30

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 101.826 $\pm$ 0.454 χ^2 /NDF: 8420.9/33

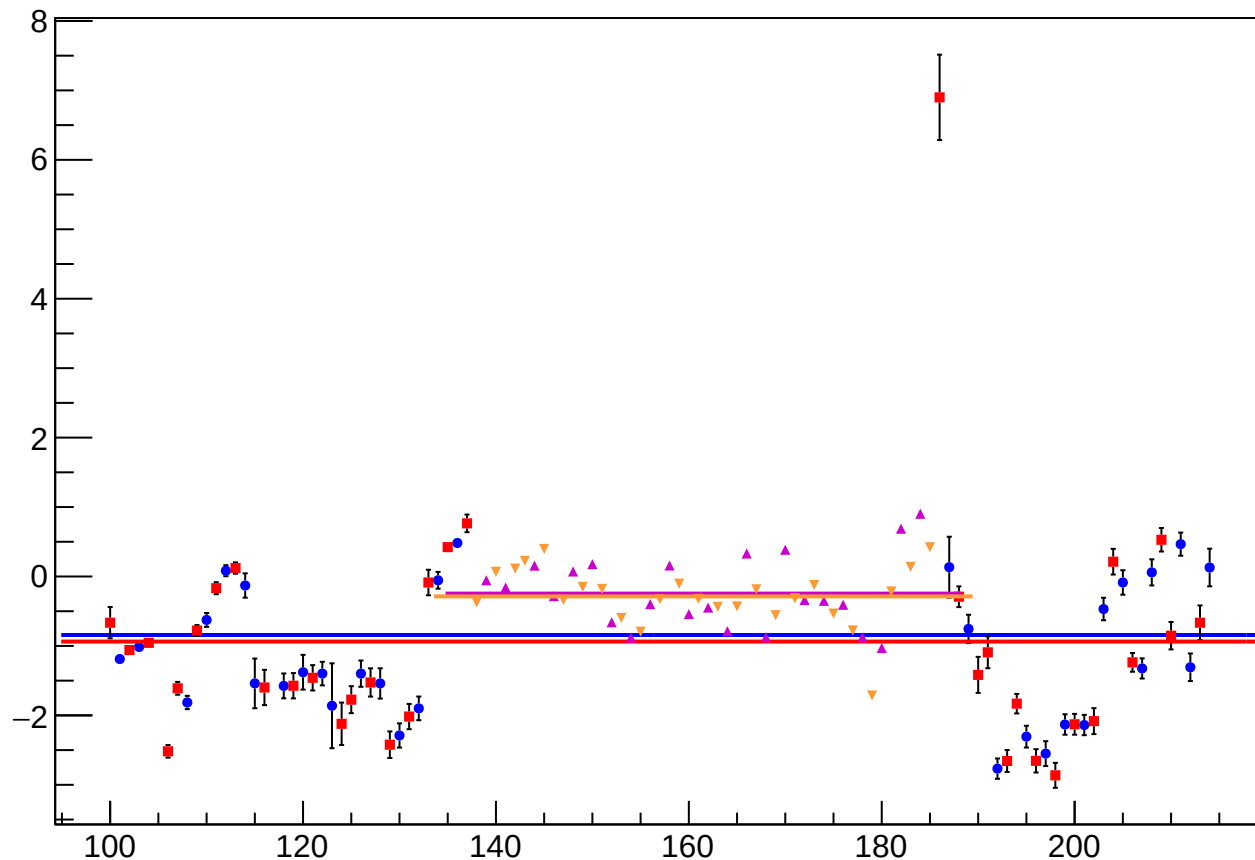
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.158 $\pm$ 0.181 χ^2 /NDF: 14809.1/55

All: 107.263 $\pm$ 0.129 χ^2 /NDF: 28963.1/112

- sign 106.330 $\pm$ 0.185 χ^2 /NDF: 14104.1/56

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.843 ± 0.023 χ^2/NDF : 1672.2/30

Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24

Right Out: -0.937 ± 0.022 χ^2/NDF : 2112.1/33

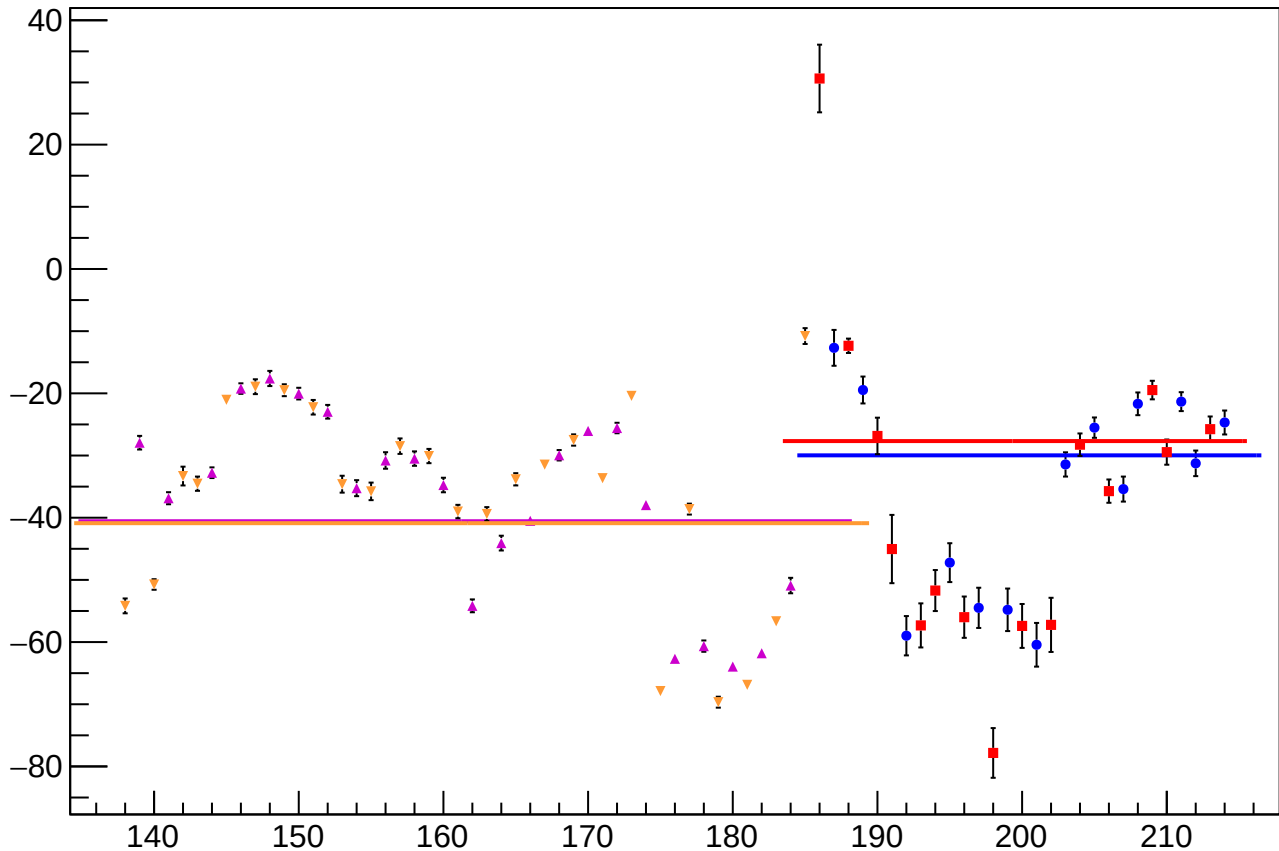
Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.364 ± 0.008 χ^2/NDF : 4245.8/55

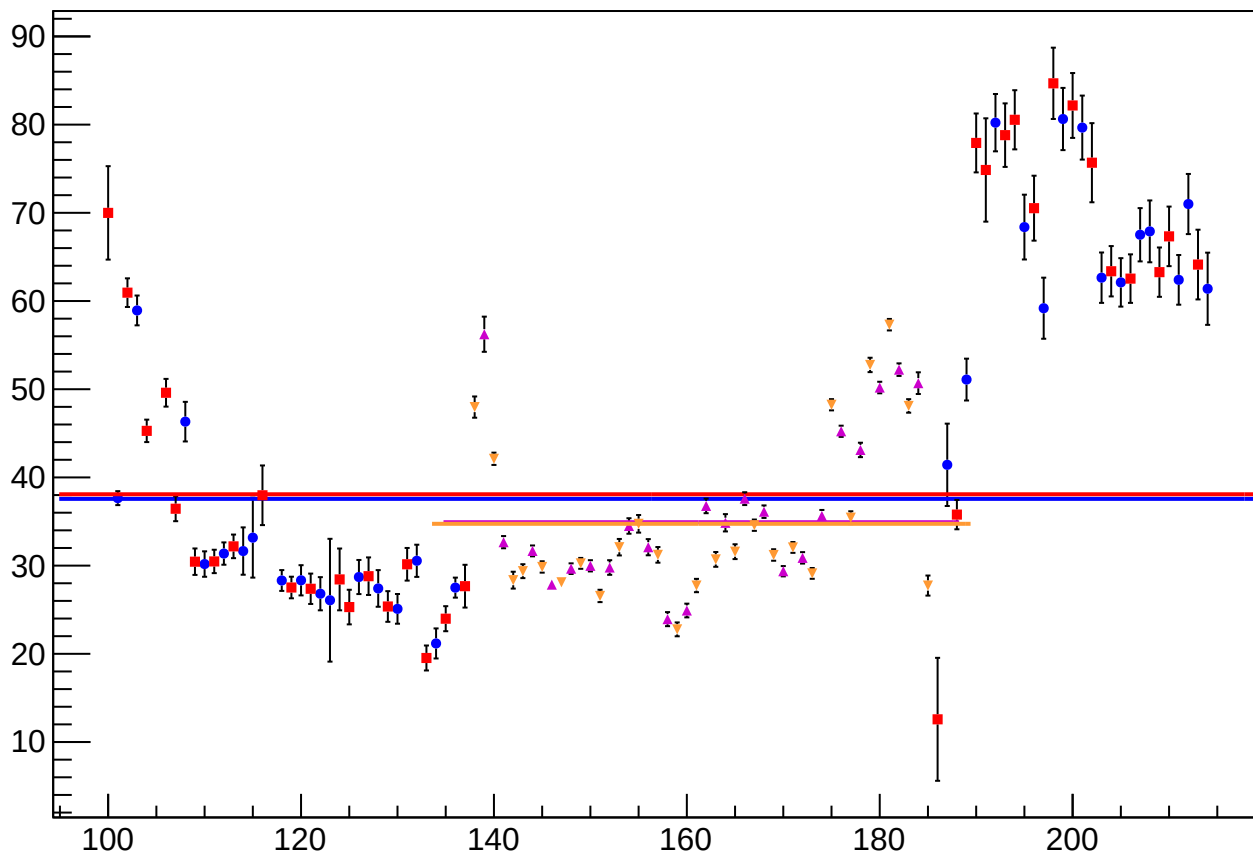
All: -0.359 ± 0.006 χ^2/NDF : 10018.9/112

- sign -0.354 ± 0.009 χ^2/NDF : 5772.4/56

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 37.568 $\pm$ 0.345 χ^2 /NDF: 1778.8/30

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF: 3693.2/24

Right Out: 38.089 $\pm$ 0.345 χ^2 /NDF: 2209.5/33

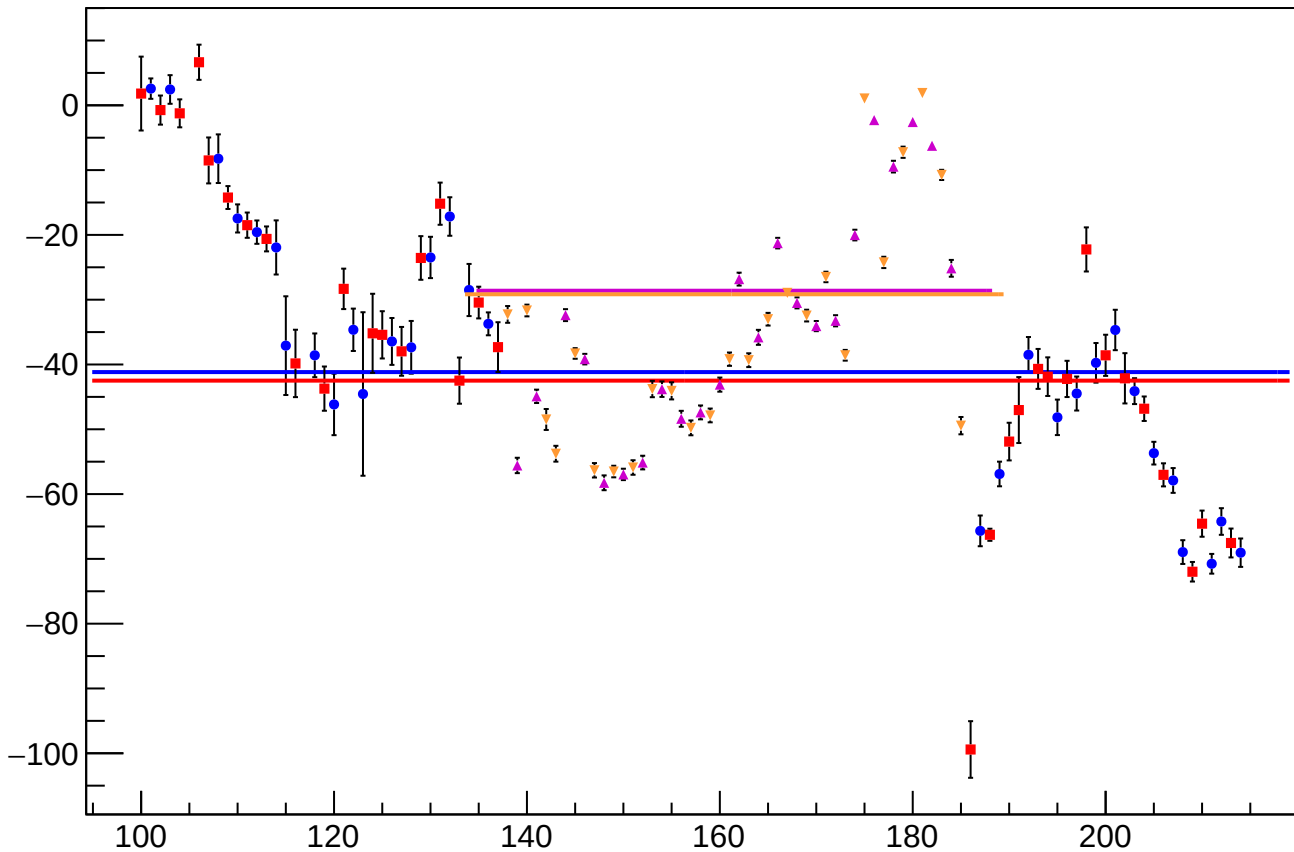
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF: 2672.9/22

+ sign 35.178 $\pm$ 0.136 χ^2 /NDF: 5528.8/55

All: 35.304 $\pm$ 0.097 χ^2 /NDF: 10483.6/112

- sign 35.435 $\pm$ 0.139 χ^2 /NDF: 4953.1/56

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -41.172 ± 0.433 χ^2/NDF : 2868.8/30

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -42.491 ± 0.414 χ^2/NDF : 3449.5/33

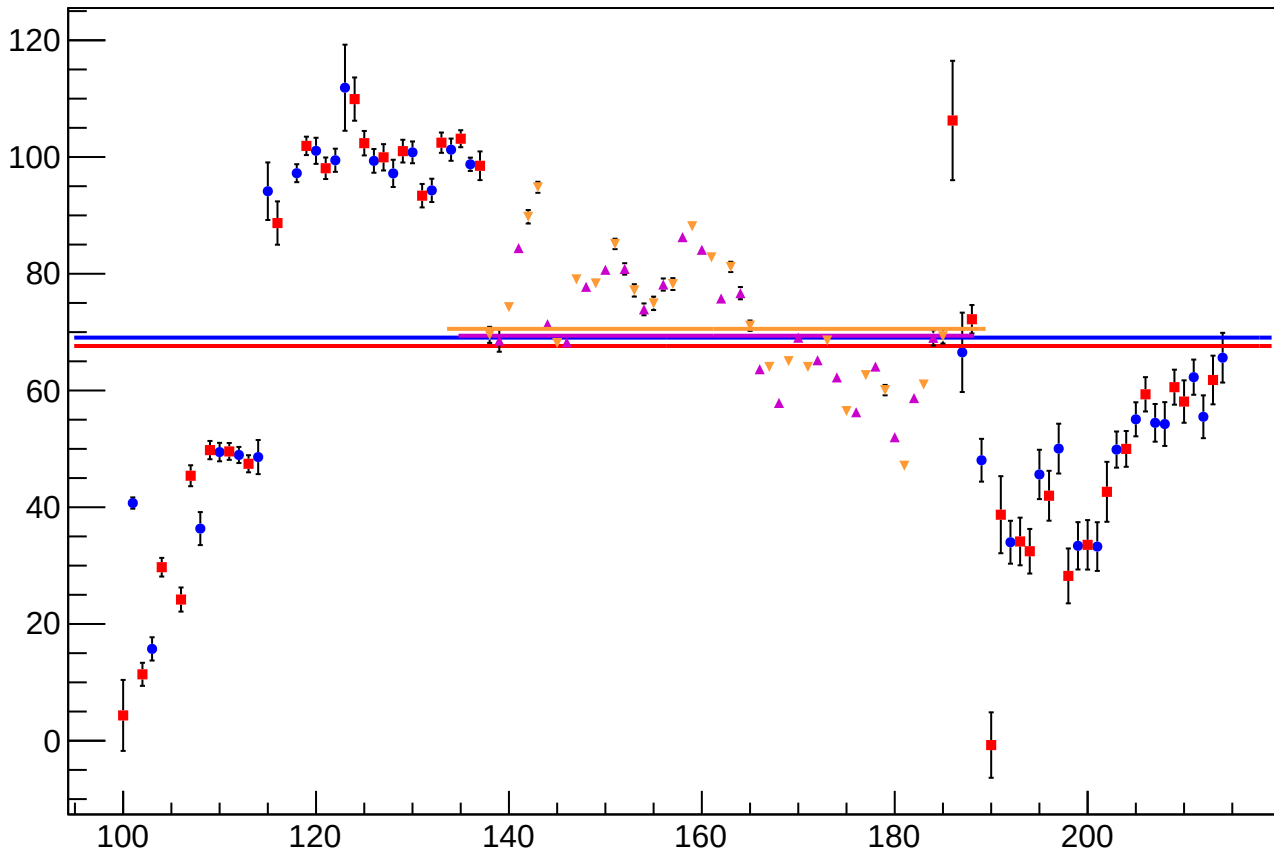
Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

+ sign -31.052 ± 0.172 χ^2/NDF : 13643.3/55

All: -31.040 ± 0.122 χ^2/NDF : 27062.6/112

- sign -31.028 ± 0.173 χ^2/NDF : 13419.3/56

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 69.062 $\pm$ 0.393 χ^2 /NDF: 5179.8/30

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF: 4589.1/24

Right Out: 67.625 $\pm$ 0.397 χ^2 /NDF: 6135.2/33

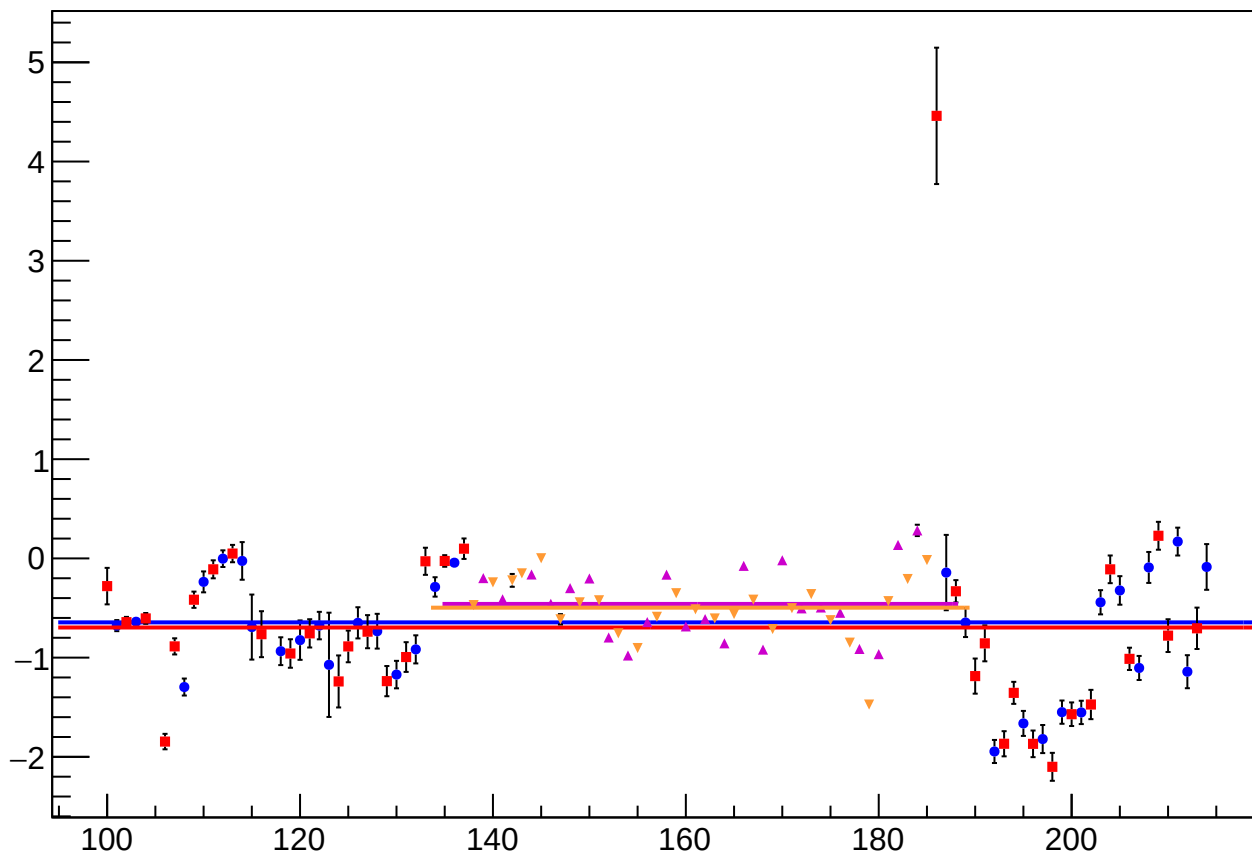
Left In: 69.387 $\pm$ 0.170 χ^2 /NDF: 3321.8/22

+ sign 70.335 $\pm$ 0.153 χ^2 /NDF: 9781.2/55

All: 69.738 $\pm$ 0.109 χ^2 /NDF: 19286.0/112

- sign 69.114 $\pm$ 0.156 χ^2 /NDF: 9473.7/56

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.645 ± 0.019 χ^2/NDF : 808.4/30

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.696 ± 0.018 χ^2/NDF : 1121.9/33

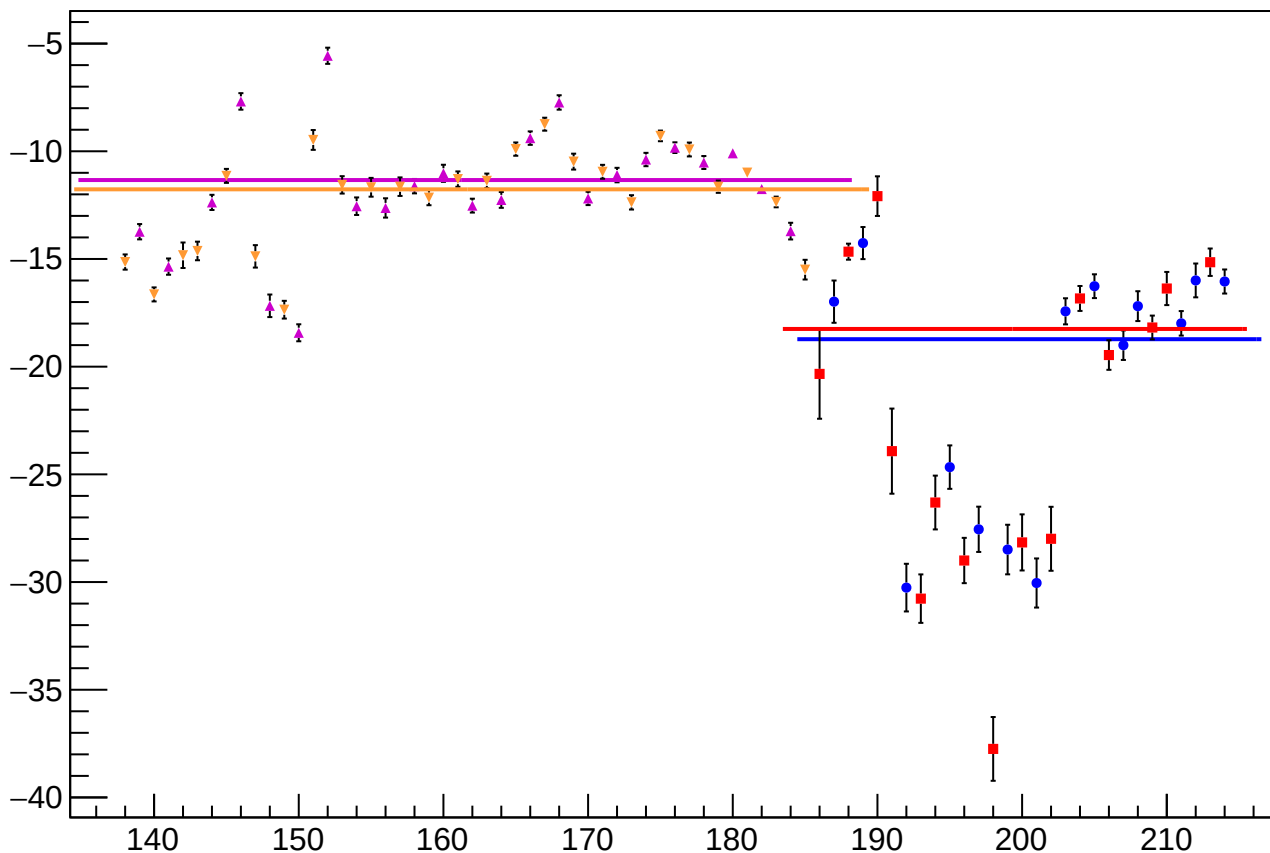
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.517 ± 0.007 χ^2/NDF : 2309.1/55

All: -0.506 ± 0.005 χ^2/NDF : 5535.0/112

- sign -0.494 ± 0.007 χ^2/NDF : 3220.9/56

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -18.725 ± 0.199 χ^2/NDF : 489.6/13

Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24

Right Out: -18.249 ± 0.199 χ^2/NDF : 730.2/14

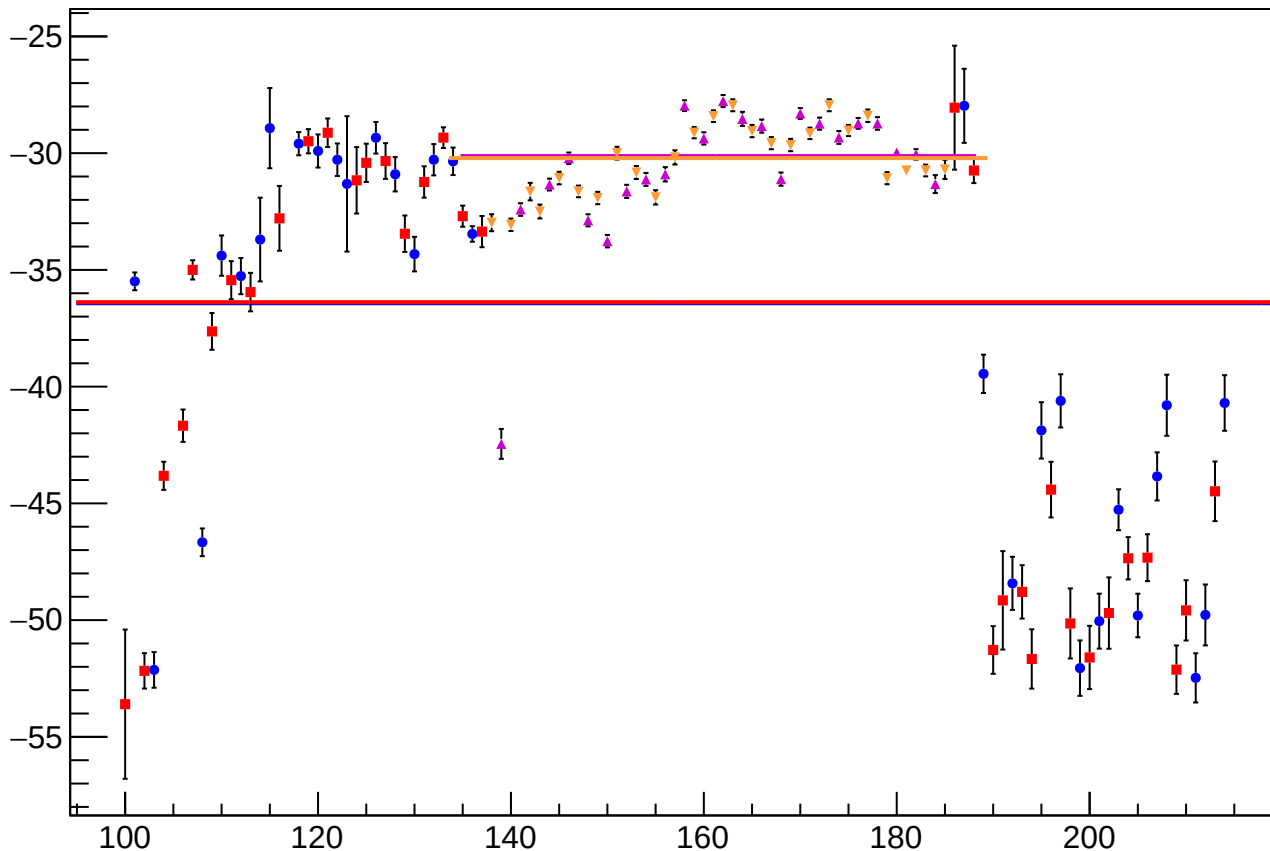
Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -12.468 ± 0.063 χ^2/NDF : 2607.3/38

All: -12.267 ± 0.045 χ^2/NDF : 5707.7/76

- sign -12.059 ± 0.064 χ^2/NDF : 3079.9/37

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.428 ± 0.135 χ^2/NDF : 2768.2/30

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -36.382 ± 0.133 χ^2/NDF : 3156.7/33

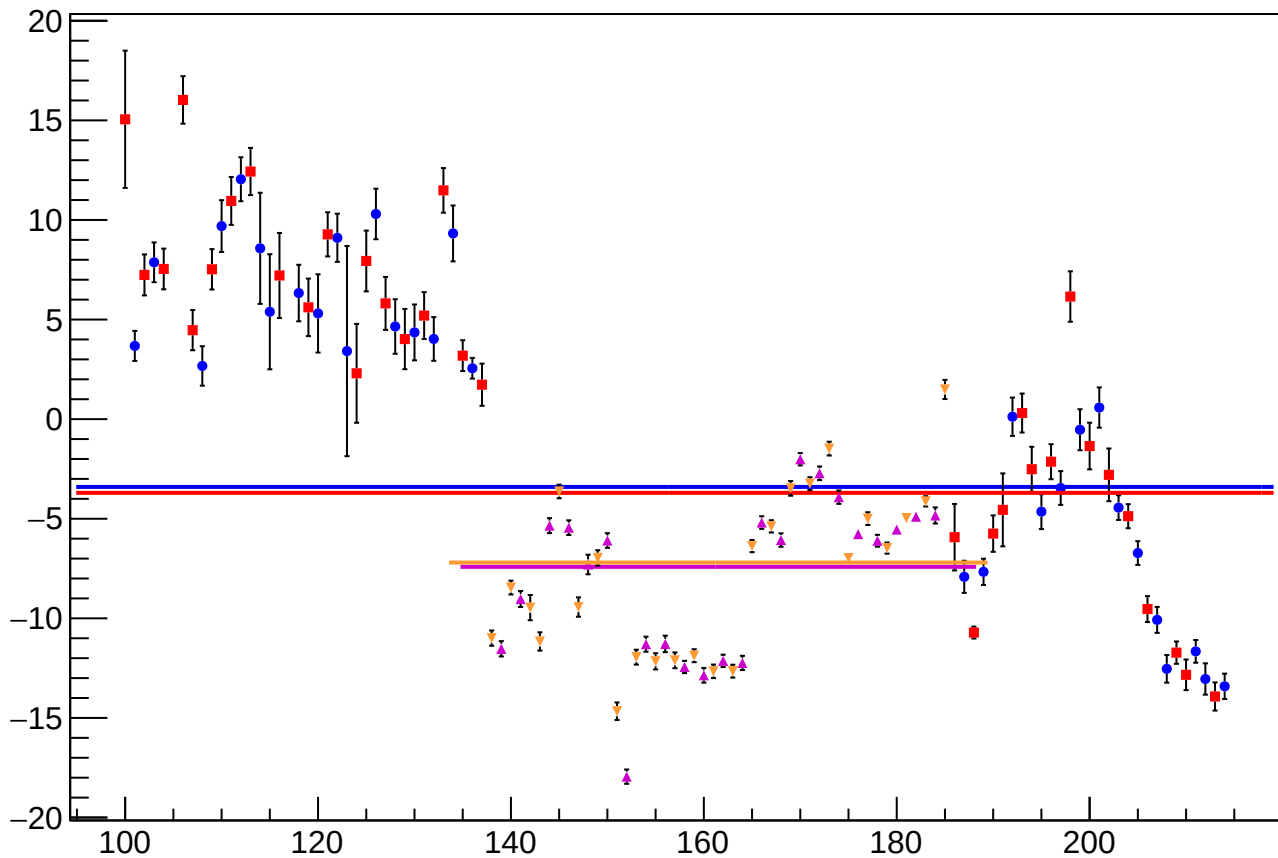
Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

+ sign -31.067 ± 0.050 χ^2/NDF : 5335.4/55

All: -31.060 ± 0.036 χ^2/NDF : 11602.0/112

- sign -31.051 ± 0.051 χ^2/NDF : 6266.6/56

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -3.403 ± 0.158 χ^2/NDF : 2228.0/30

Left Out: -7.199 ± 0.067 χ^2/NDF : 3037.3/24

Right Out: -3.699 ± 0.152 χ^2/NDF : 3030.8/33

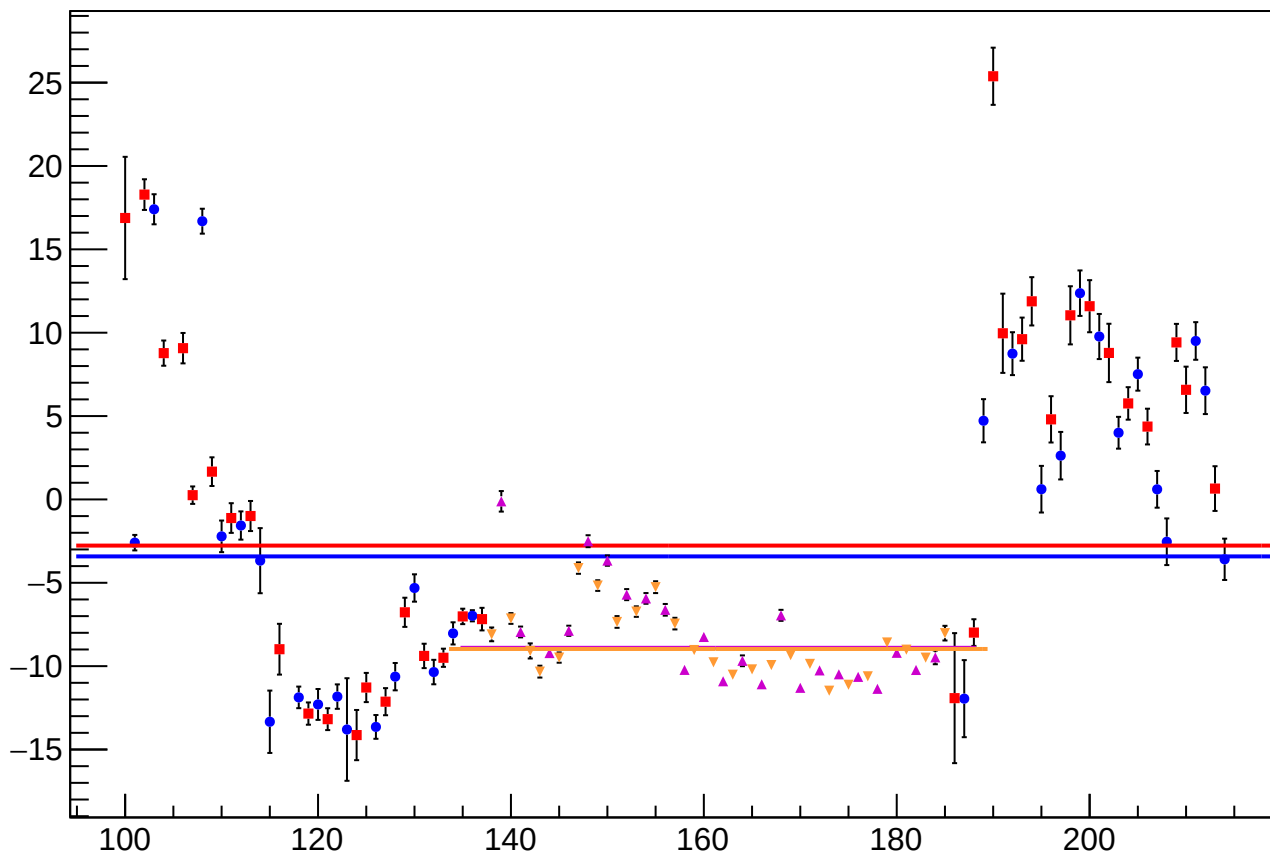
Left In: -7.415 ± 0.068 χ^2/NDF : 3123.3/22

+ sign -6.620 ± 0.062 χ^2/NDF : 5756.3/55

All: -6.709 ± 0.044 χ^2/NDF : 12412.1/112

- sign -6.798 ± 0.062 χ^2/NDF : 6651.7/56

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.417 ± 0.152 χ^2/NDF : 3013.4/30

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -2.769 ± 0.154 χ^2/NDF : 3237.1/33

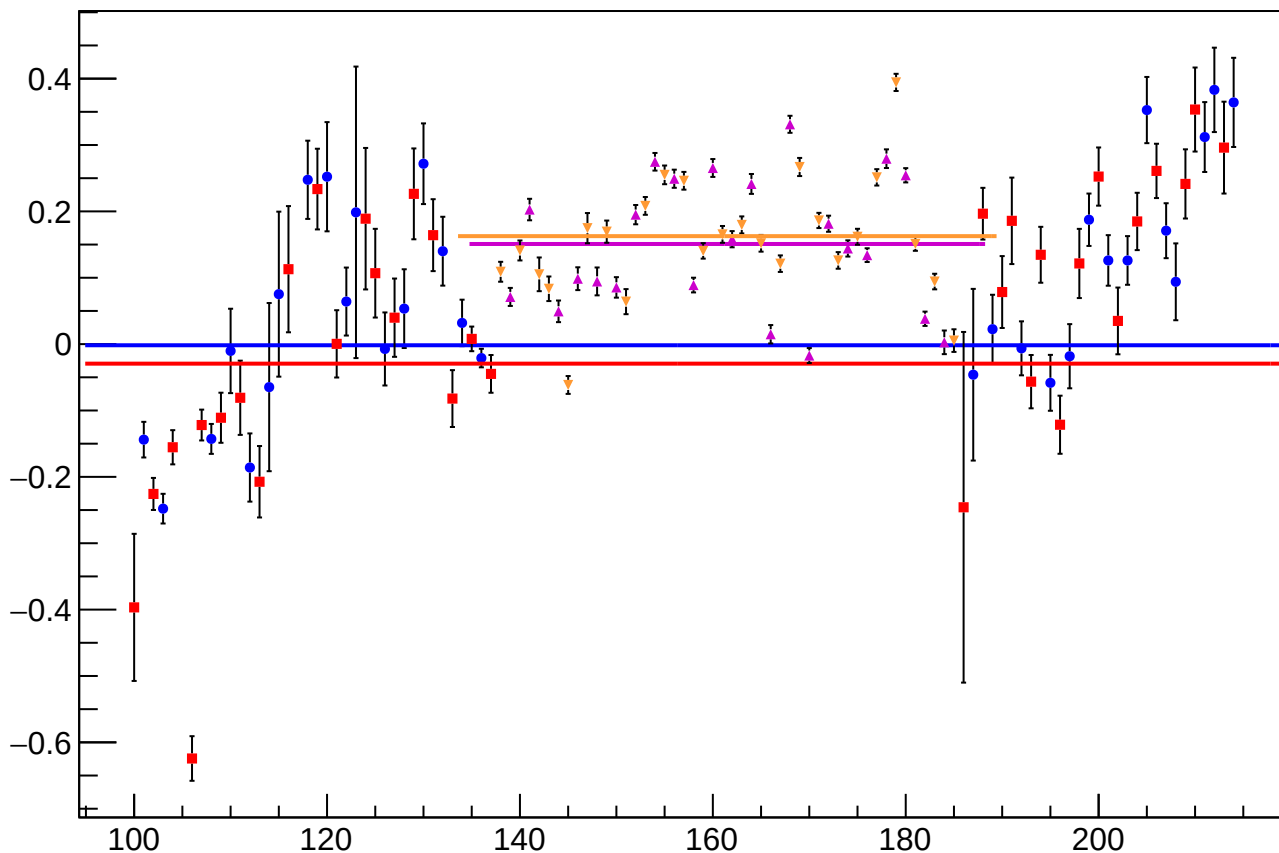
Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

+ sign -8.221 ± 0.056 χ^2/NDF : 5040.4/55

All: -8.141 ± 0.040 χ^2/NDF : 11176.1/112

- sign -8.057 ± 0.057 χ^2/NDF : 6131.4/56

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.002±/0.007 χ^2/NDF : 484.3/30

Left Out: 0.163±/0.003 χ^2/NDF :1018.1/24

Right Out: -0.029±/0.007 χ^2/NDF : 791.5/33

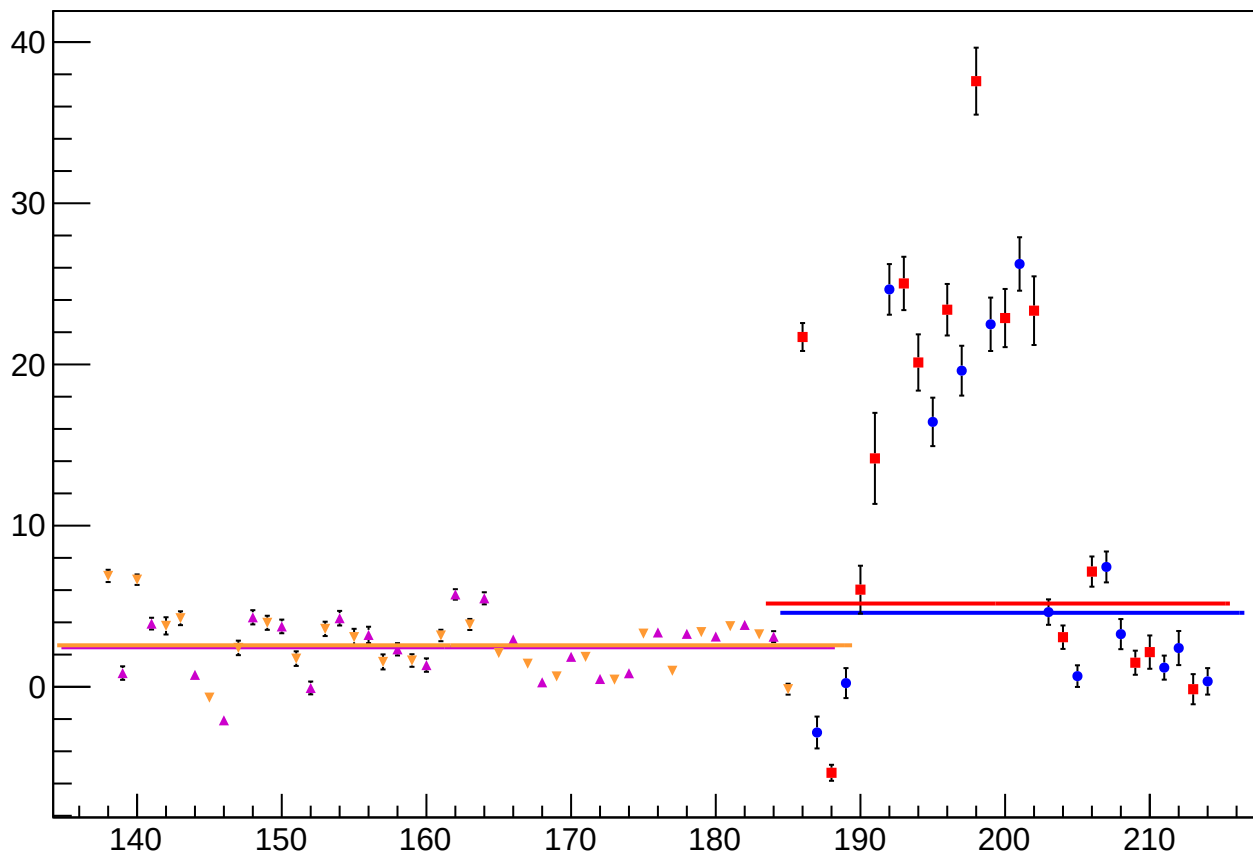
Left In: 0.151±/0.003 χ^2/NDF :1286.5/22

+ sign 0.141±/0.003 χ^2/NDF : 1980.4/55

All: 0.134±/0.002 χ^2/NDF : 4643.6/112

- sign 0.127±/0.003 χ^2/NDF : 2647.4/56

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 4.592 ± 0.264 χ^2/NDF : 782.0/13

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 5.168 ± 0.261 χ^2/NDF : 1659.9/14

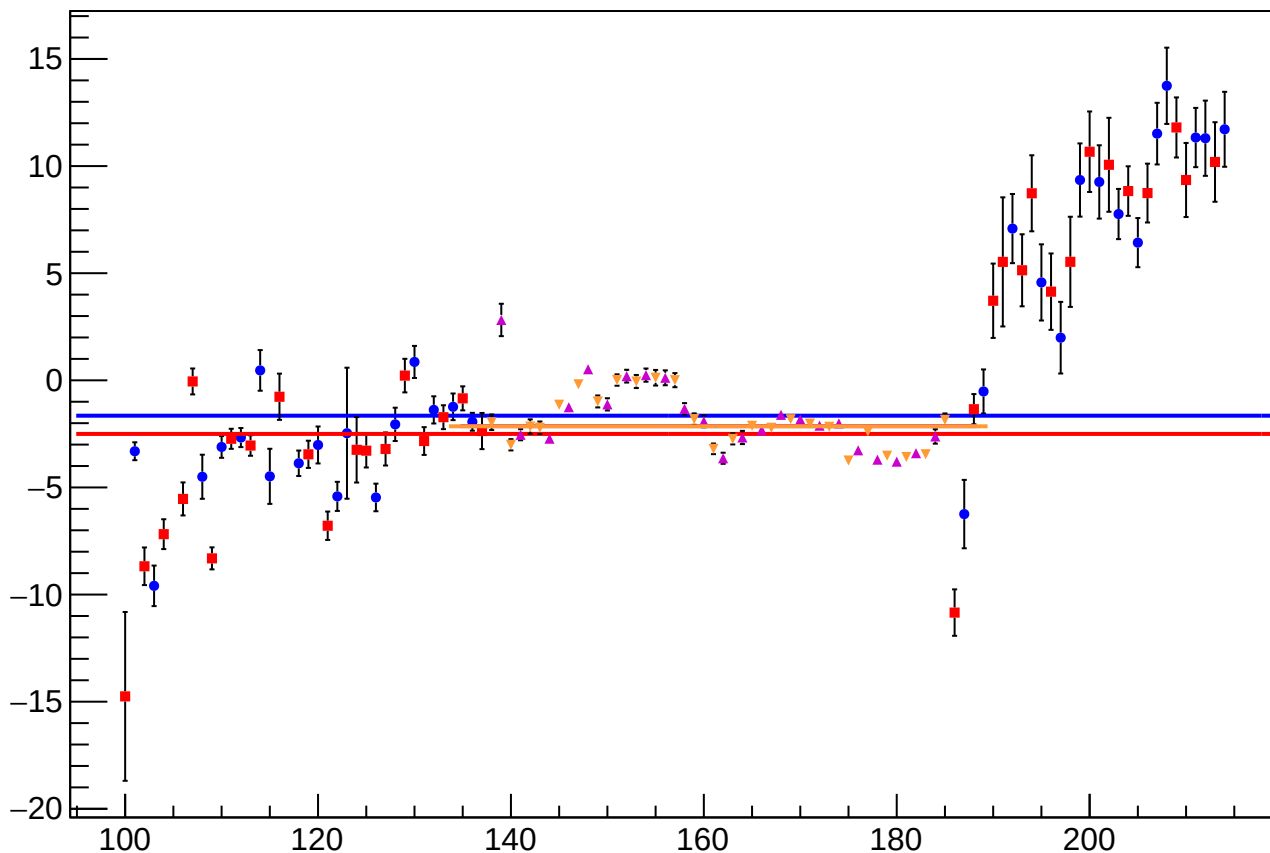
Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

+ sign 2.671 ± 0.057 χ^2/NDF : 1705.2/38

All: 2.629 ± 0.041 χ^2/NDF : 4340.5/76

- sign 2.586 ± 0.058 χ^2/NDF : 2634.2/37

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.651 ± 0.144 χ^2/NDF : 823.7/30

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -2.502 ± 0.143 χ^2/NDF : 951.2/33

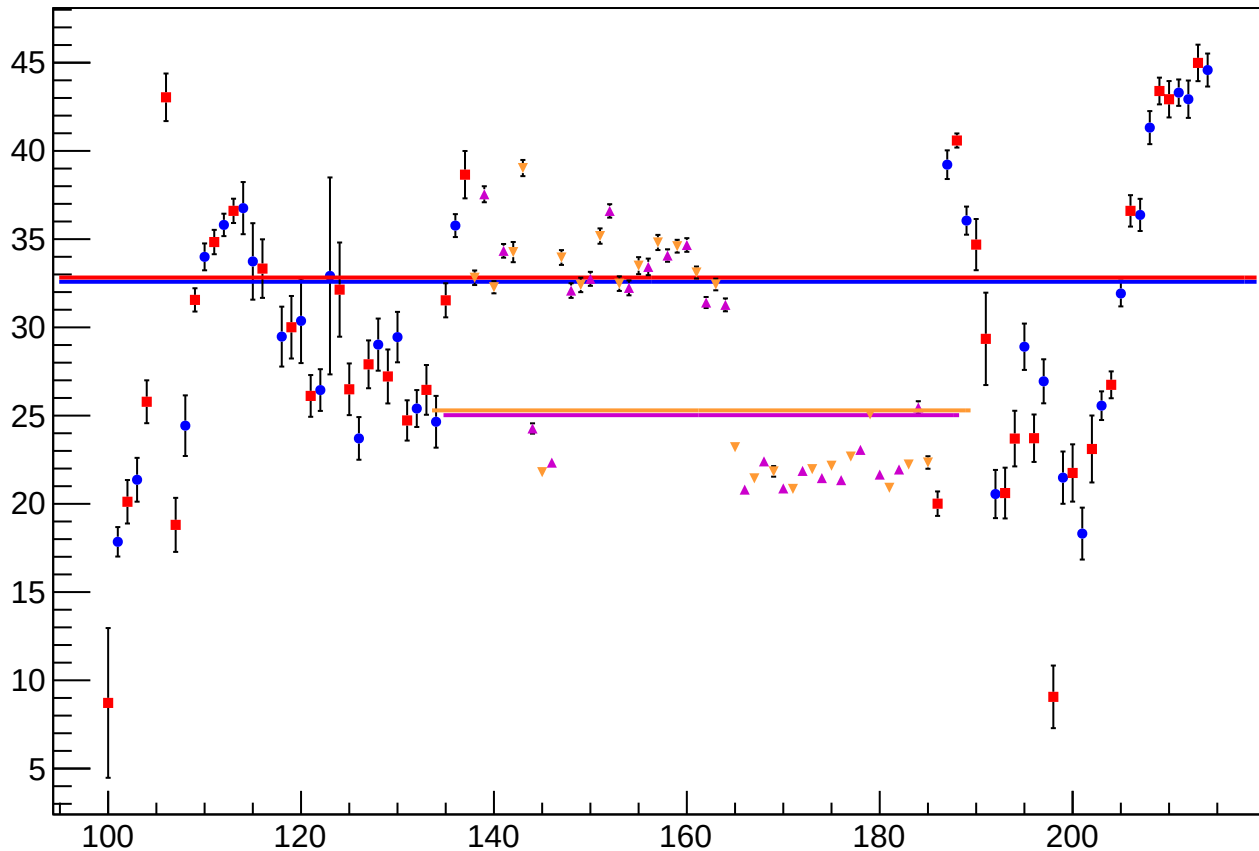
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.097 ± 0.045 χ^2/NDF : 1407.6/55

All: -2.135 ± 0.032 χ^2/NDF : 3057.4/112

- sign -2.174 ± 0.046 χ^2/NDF : 1648.3/56

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 32.585 ± 0.185 χ^2/NDF : 1635.9/30

Left Out: 25.296 ± 0.059 χ^2/NDF : 8272.3/24

Right Out: 32.825 ± 0.175 χ^2/NDF : 2163.4/33

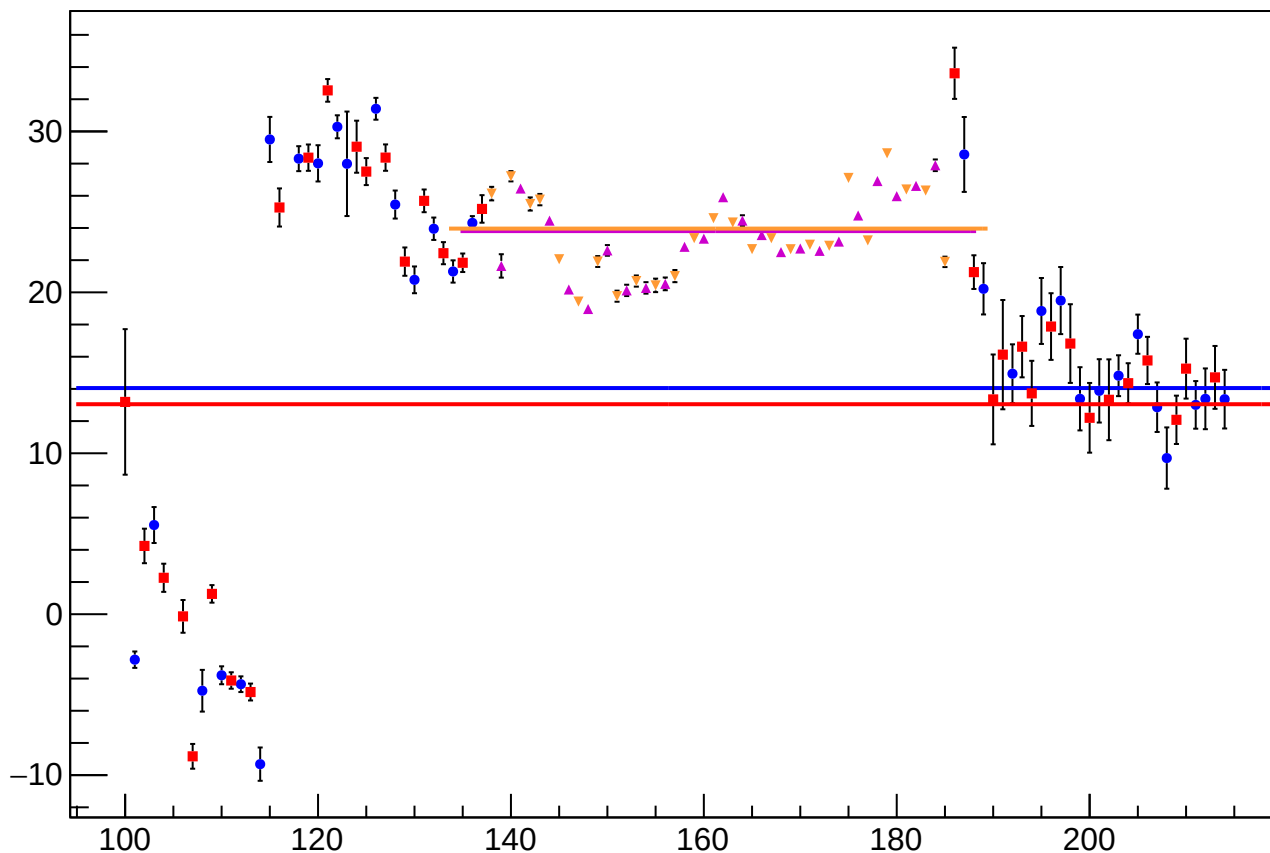
Left In: 25.025 ± 0.060 χ^2/NDF : 7610.5/22

+ sign 25.967 ± 0.056 χ^2/NDF : 11320.1/55

All: 25.902 ± 0.040 χ^2/NDF : 22879.7/112

- sign 25.837 ± 0.056 χ^2/NDF : 11556.9/56

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.053 $\pm$ 0.162 χ^2 /NDF: 7357.5/30

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 13.049 $\pm$ 0.162 χ^2 /NDF: 7214.8/33

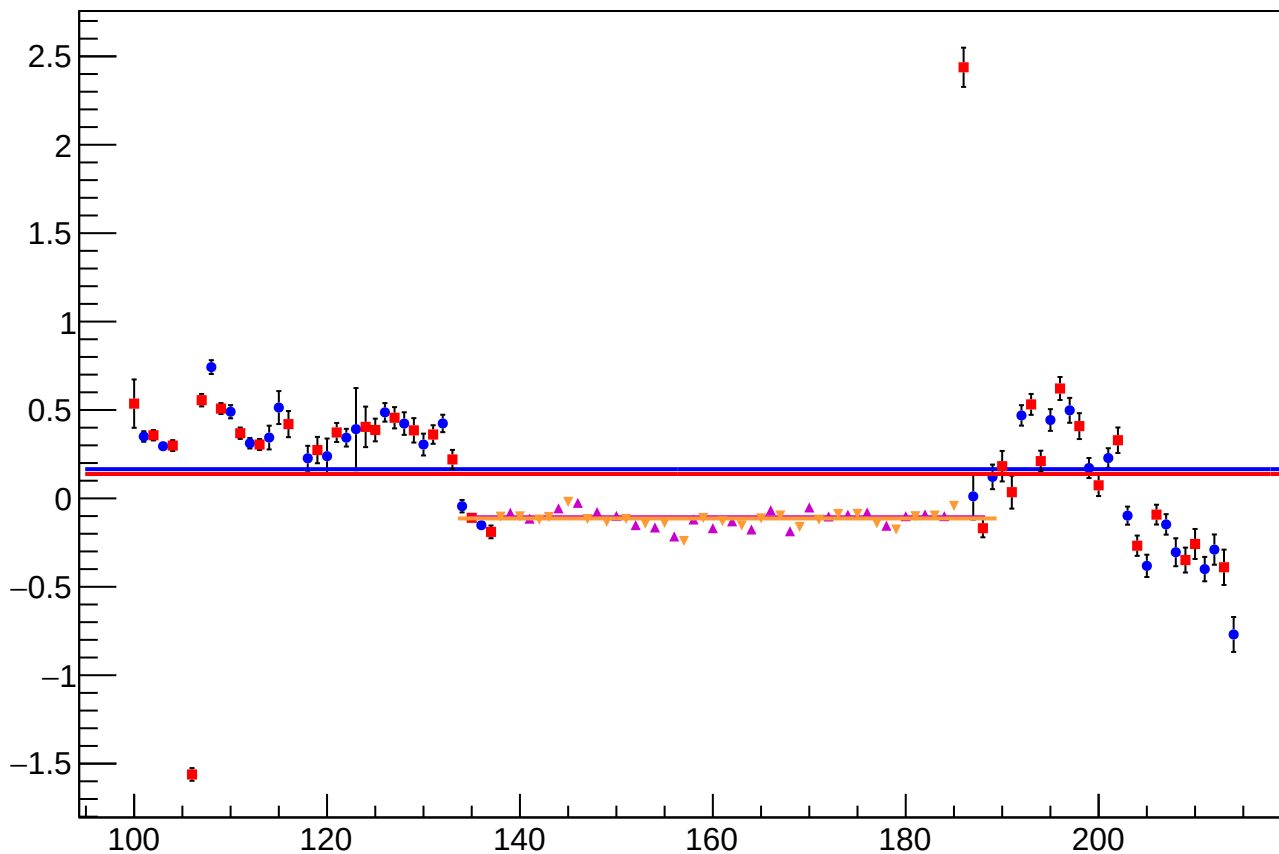
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 22.994 $\pm$ 0.050 χ^2 /NDF: 12673.5/55

All: 22.865 $\pm$ 0.036 χ^2 /NDF: 25616.5/112

- sign 22.732 $\pm$ 0.051 χ^2 /NDF: 12929.6/56

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.165 ± 0.008 χ^2/NDF : 1288.8/30

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.138 ± 0.008 χ^2/NDF : 3767.5/33

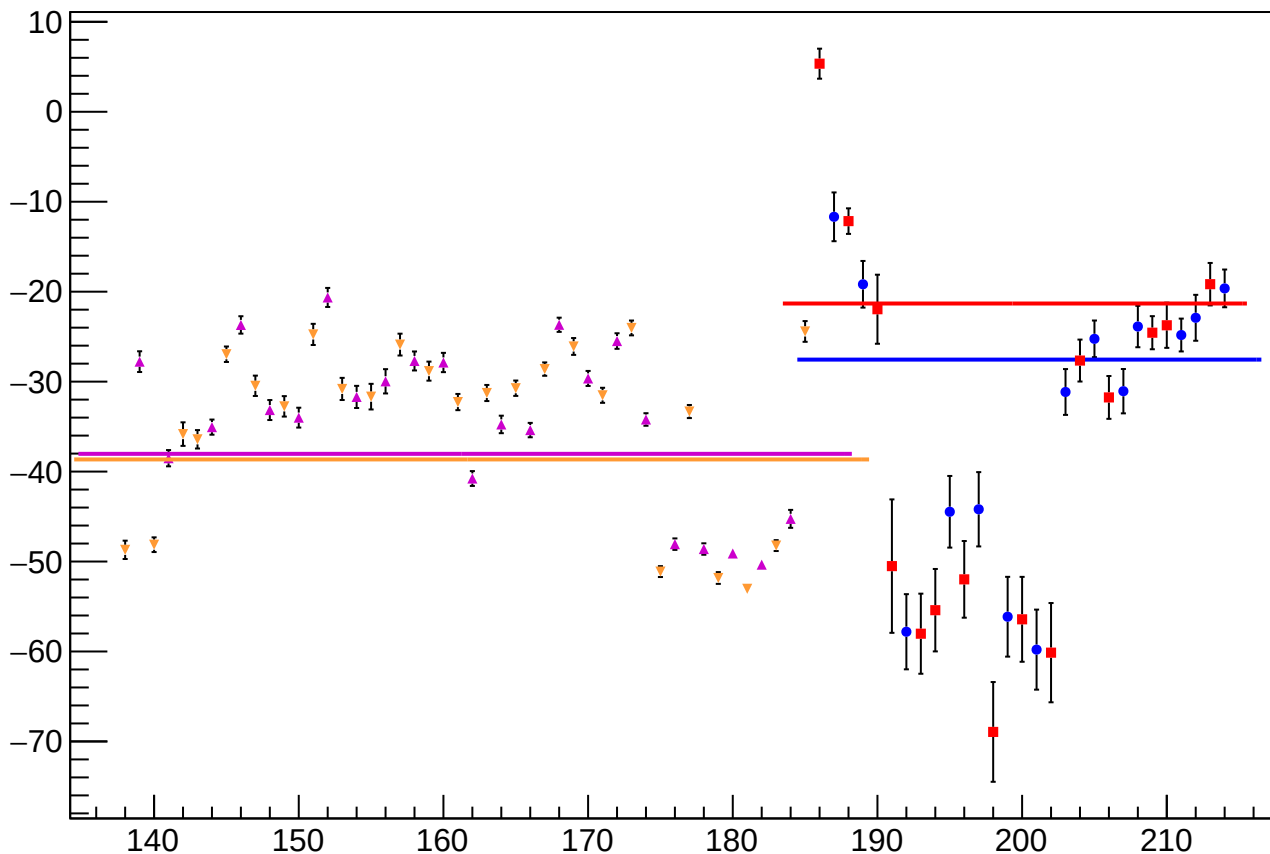
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.092 ± 0.002 χ^2/NDF : 2622.3/55

All: -0.089 ± 0.002 χ^2/NDF : 7536.2/112

- sign -0.086 ± 0.002 χ^2/NDF : 4911.4/56

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -27.552 ± 0.708 χ^2/NDF : 253.1/13

Left Out: -38.650 ± 0.169 χ^2/NDF : 4077.2/24

Right Out: -21.315 ± 0.675 χ^2/NDF : 697.5/14

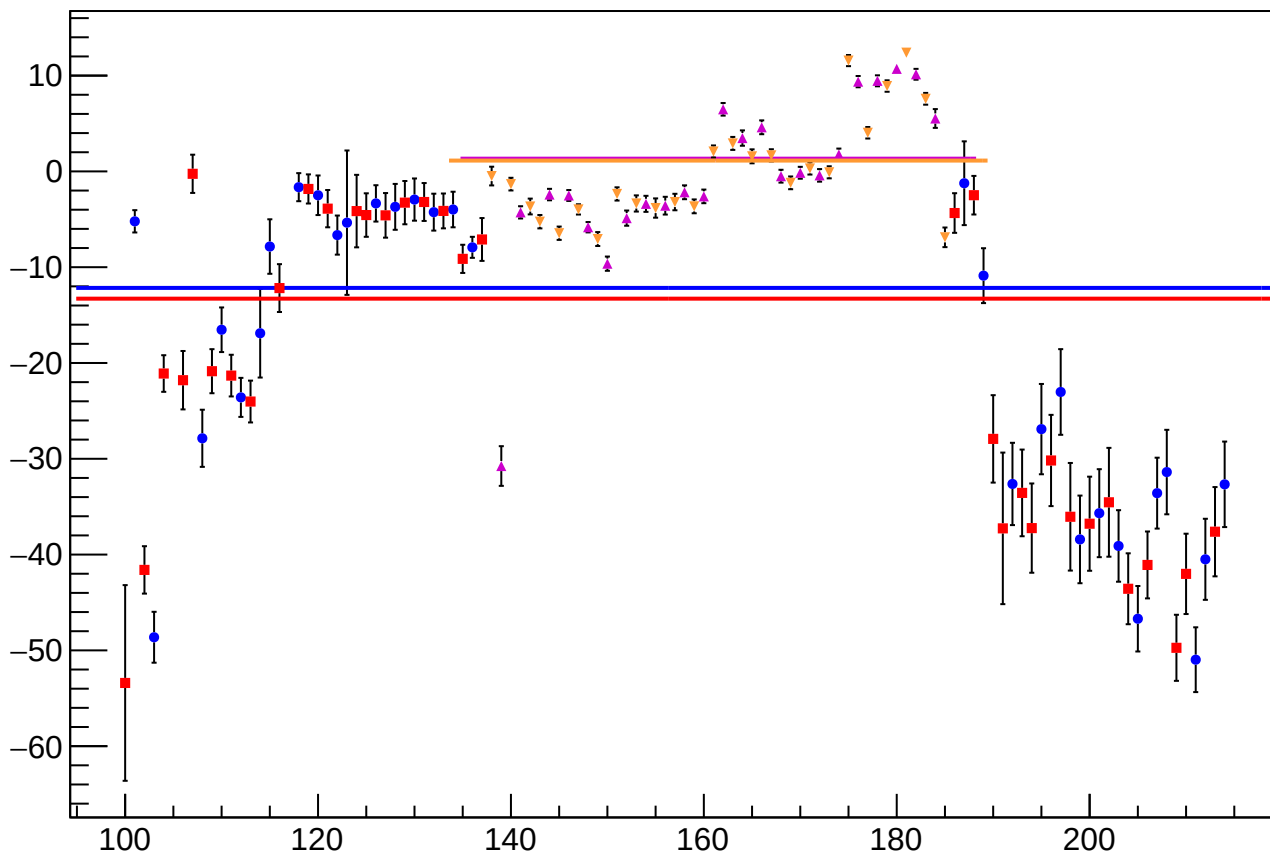
Left In: -38.027 ± 0.173 χ^2/NDF : 3091.9/22

+ sign -38.051 ± 0.164 χ^2/NDF : 4562.7/38

All: -37.533 ± 0.117 χ^2/NDF : 8948.2/76

- sign -36.993 ± 0.168 χ^2/NDF : 4365.2/37

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -12.162 ± 0.427 χ^2/NDF : 982.7/30

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -13.284 ± 0.436 χ^2/NDF : 959.2/33

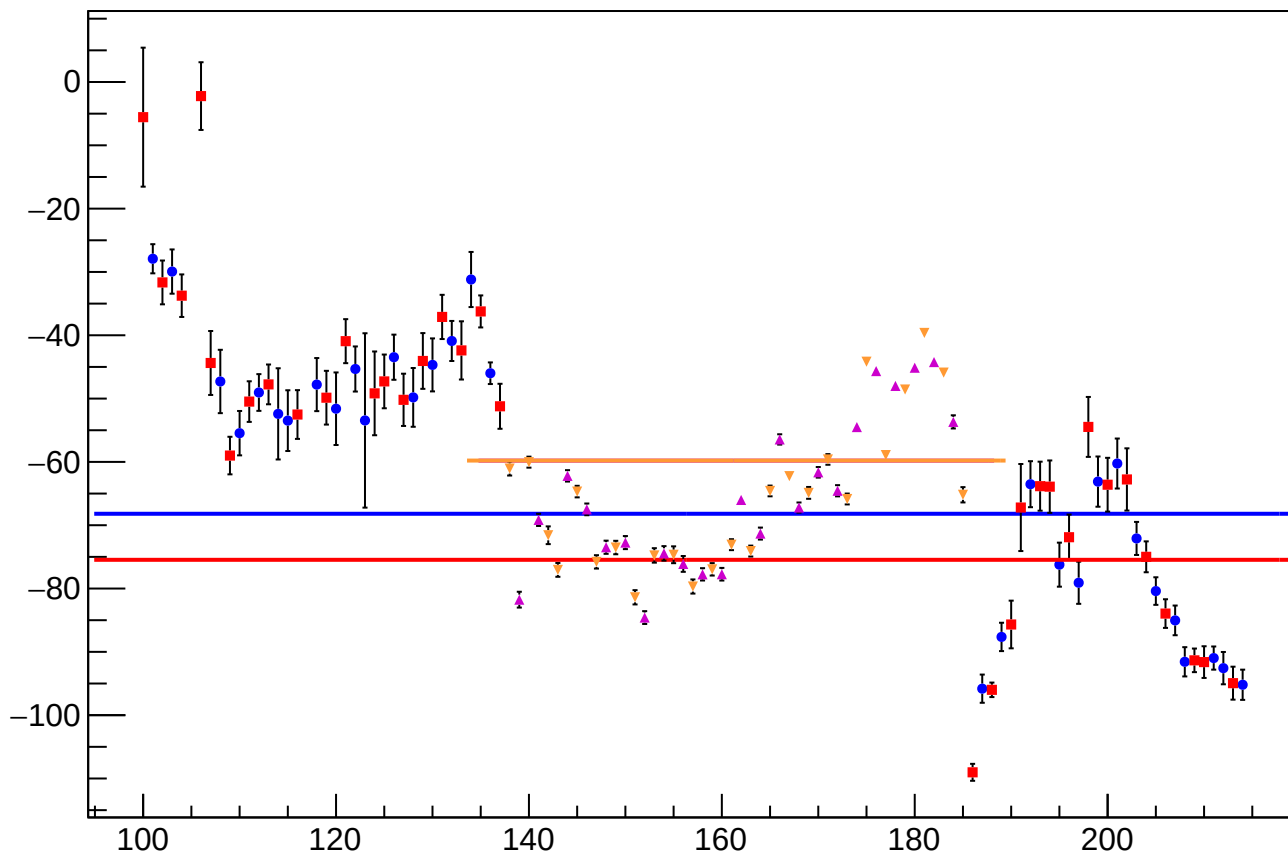
Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

+ sign -0.095 ± 0.130 χ^2/NDF : 3662.2/55

All: -0.066 ± 0.093 χ^2/NDF : 7689.2/112

- sign -0.035 ± 0.133 χ^2/NDF : 4026.8/56

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -68.192 ± 0.530 $\chi^2/\text{NDF}: 1814.6/30$

Left Out: -59.789 ± 0.170 $\chi^2/\text{NDF}: 5837.7/24$

Right Out: -75.463 ± 0.497 $\chi^2/\text{NDF}: 2723.6/33$

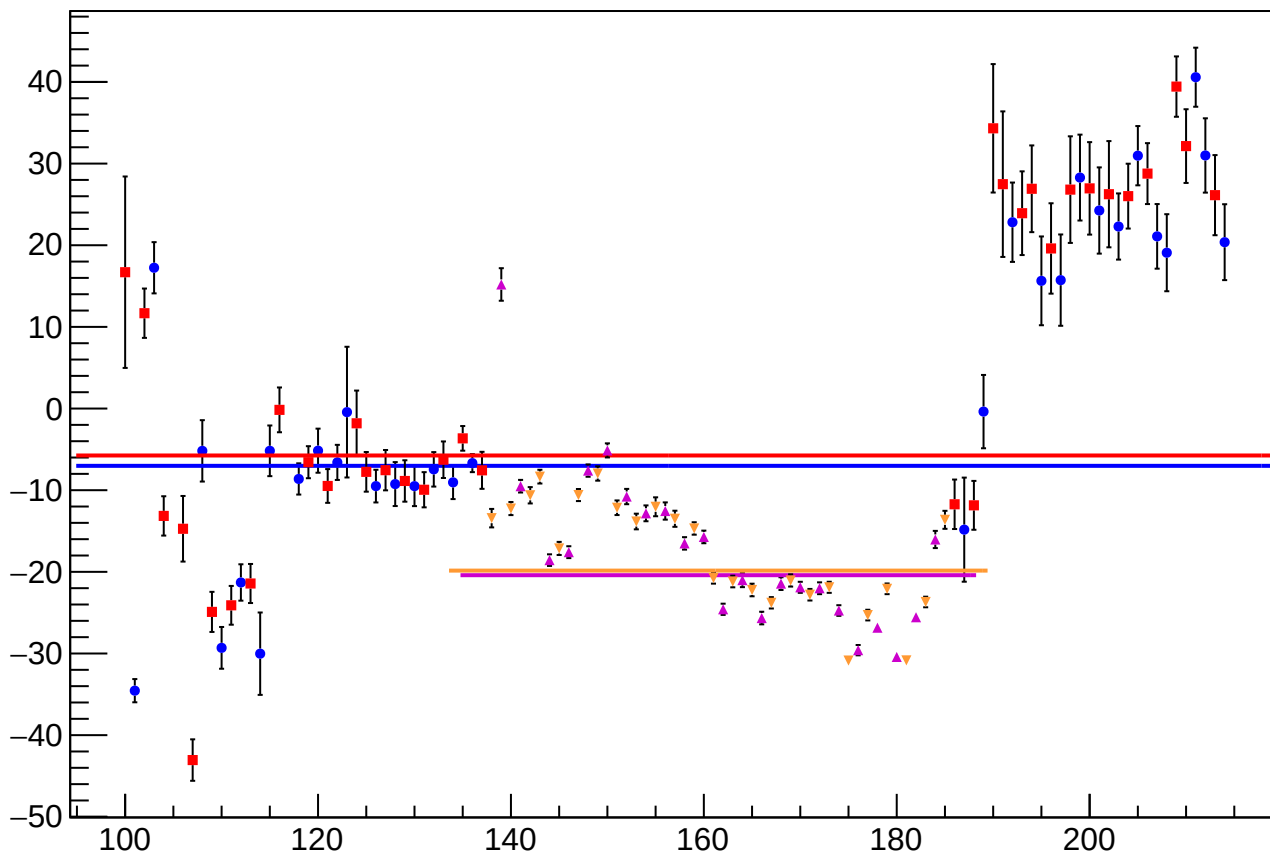
Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

+ sign -60.573 ± 0.162 $\chi^2/\text{NDF}: 7879.9/55$

All: -61.030 ± 0.115 $\chi^2/\text{NDF}: 16721.2/112$

- sign -61.497 ± 0.164 $\chi^2/\text{NDF}: 8825.2/56$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -7.016 ± 0.481 χ^2/NDF : 1255.6/30

Left Out: -19.847 ± 0.153 χ^2/NDF : 1931.3/24

Right Out: -5.749 ± 0.501 χ^2/NDF : 1082.8/33

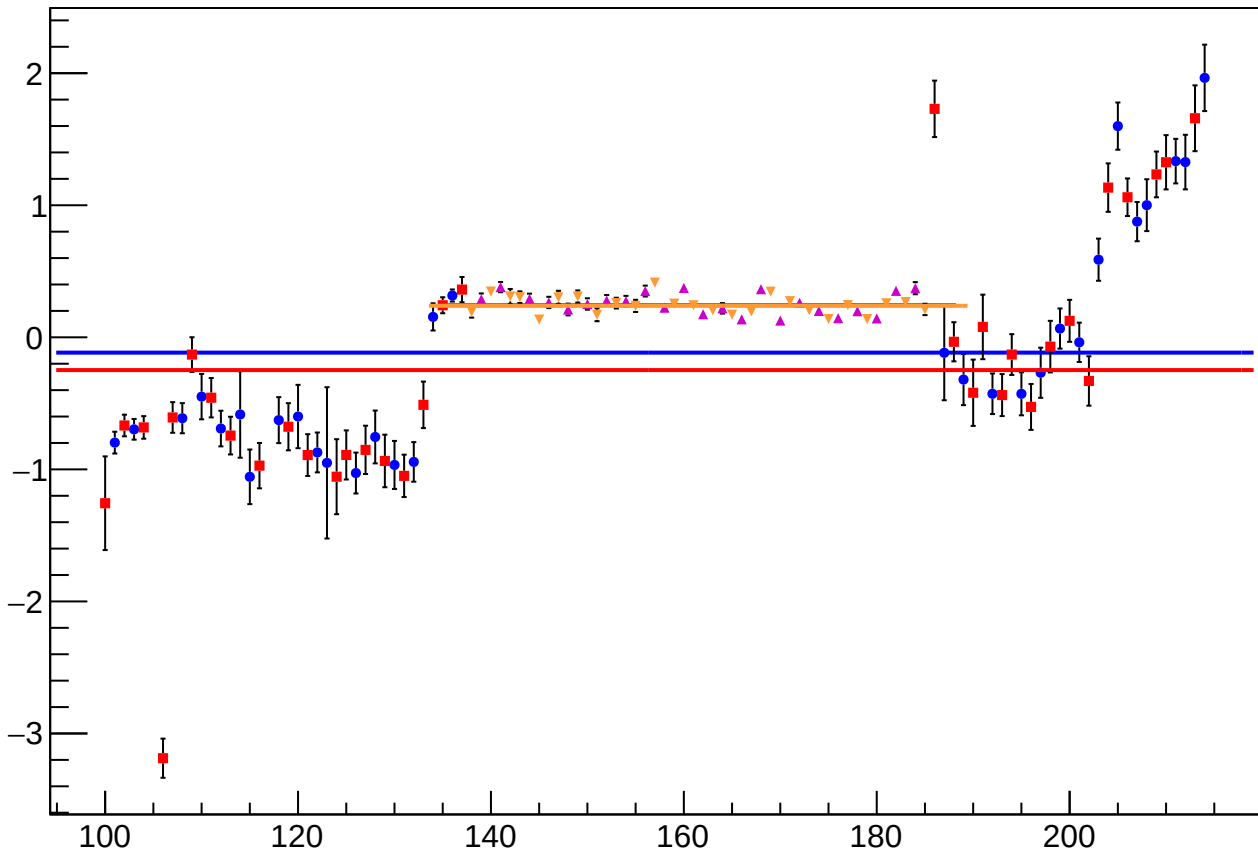
Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

+ sign -18.673 ± 0.146 χ^2/NDF : 3832.4/55

All: -18.883 ± 0.104 χ^2/NDF : 8001.6/112

- sign -19.104 ± 0.150 χ^2/NDF : 4164.9/56

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.116 ± 0.024 χ^2/NDF : 809.9/30

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.248 ± 0.024 χ^2/NDF : 1126.3/33

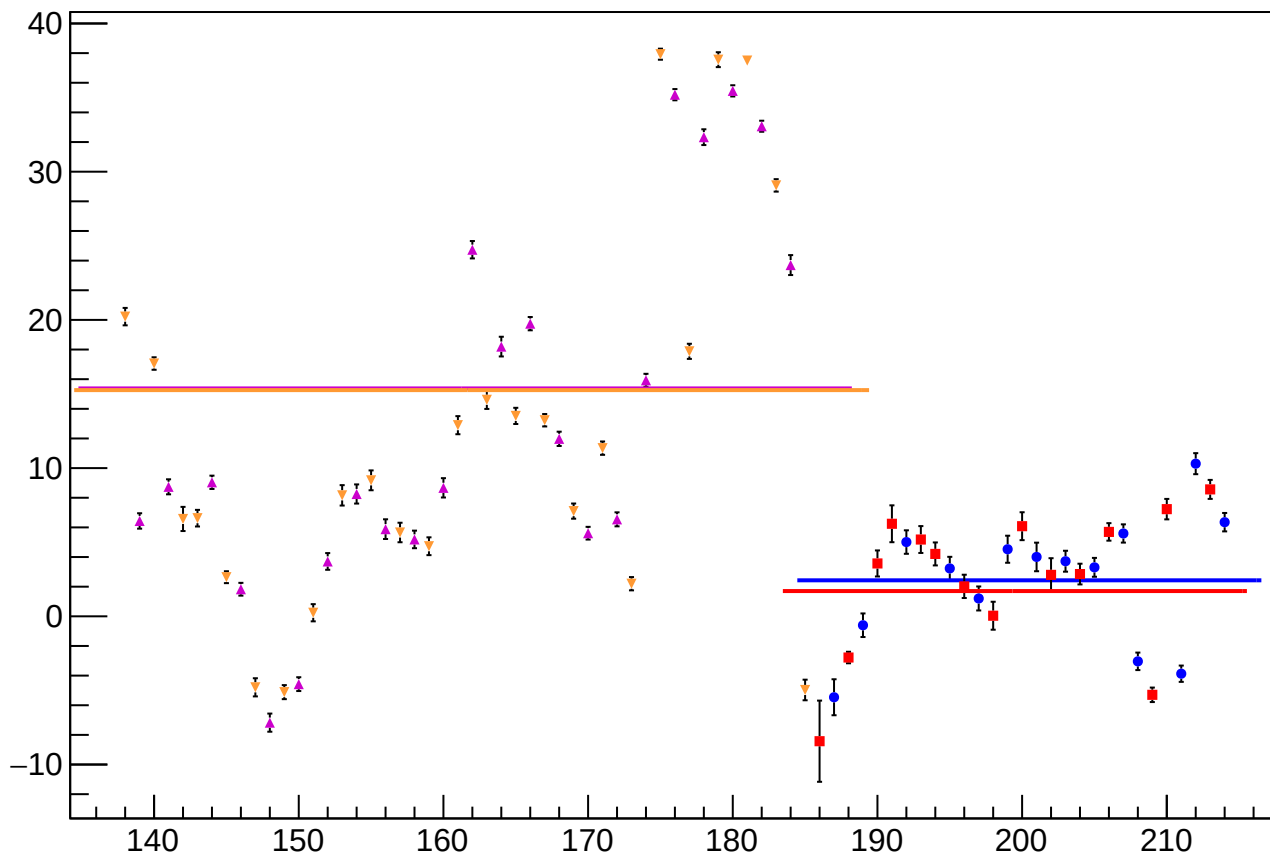
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.210 ± 0.007 χ^2/NDF : 1106.8/55

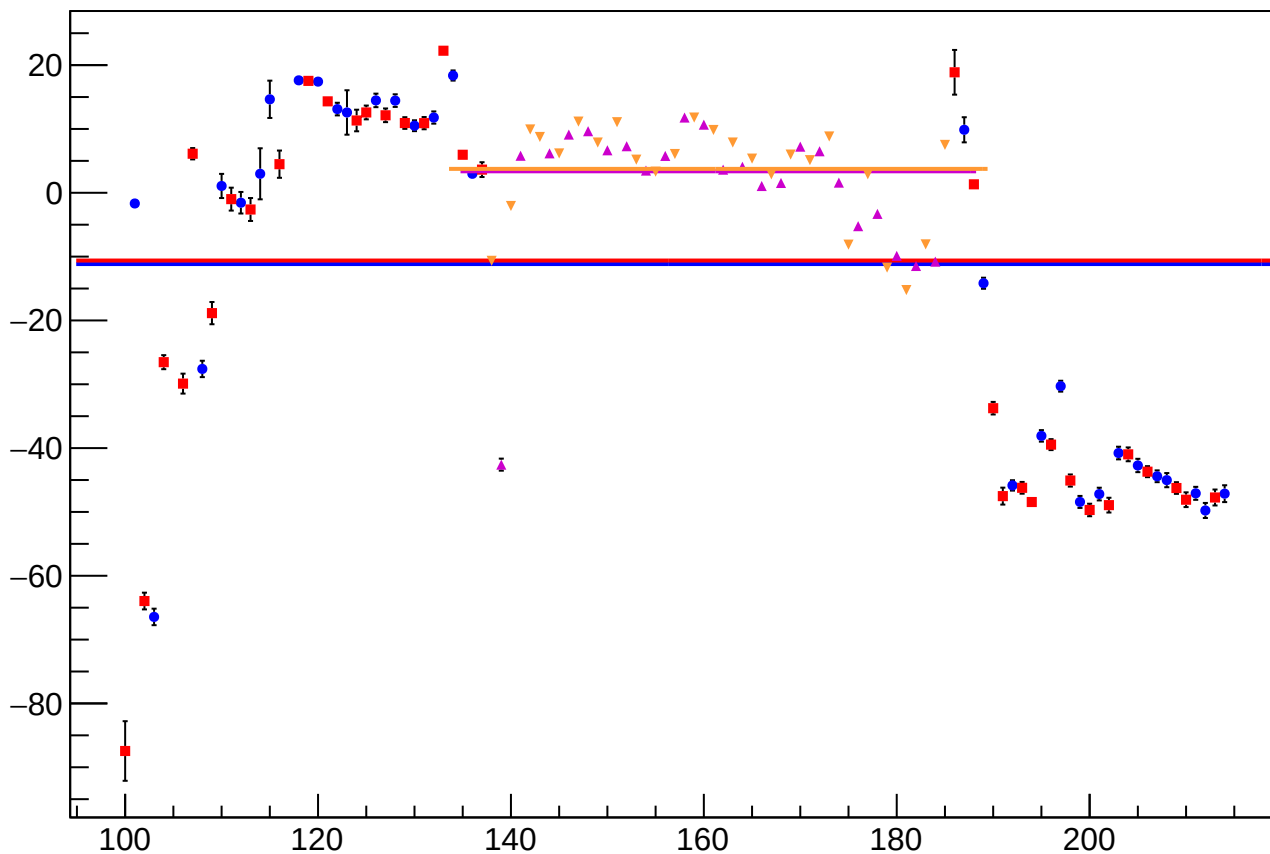
All: 0.207 ± 0.005 χ^2/NDF : 2745.5/112

- sign 0.204 ± 0.007 χ^2/NDF : 1638.3/56

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -11.166 ± 0.169 χ^2/NDF : 26081.4/30

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -10.614 ± 0.161 χ^2/NDF : 31202.7/33

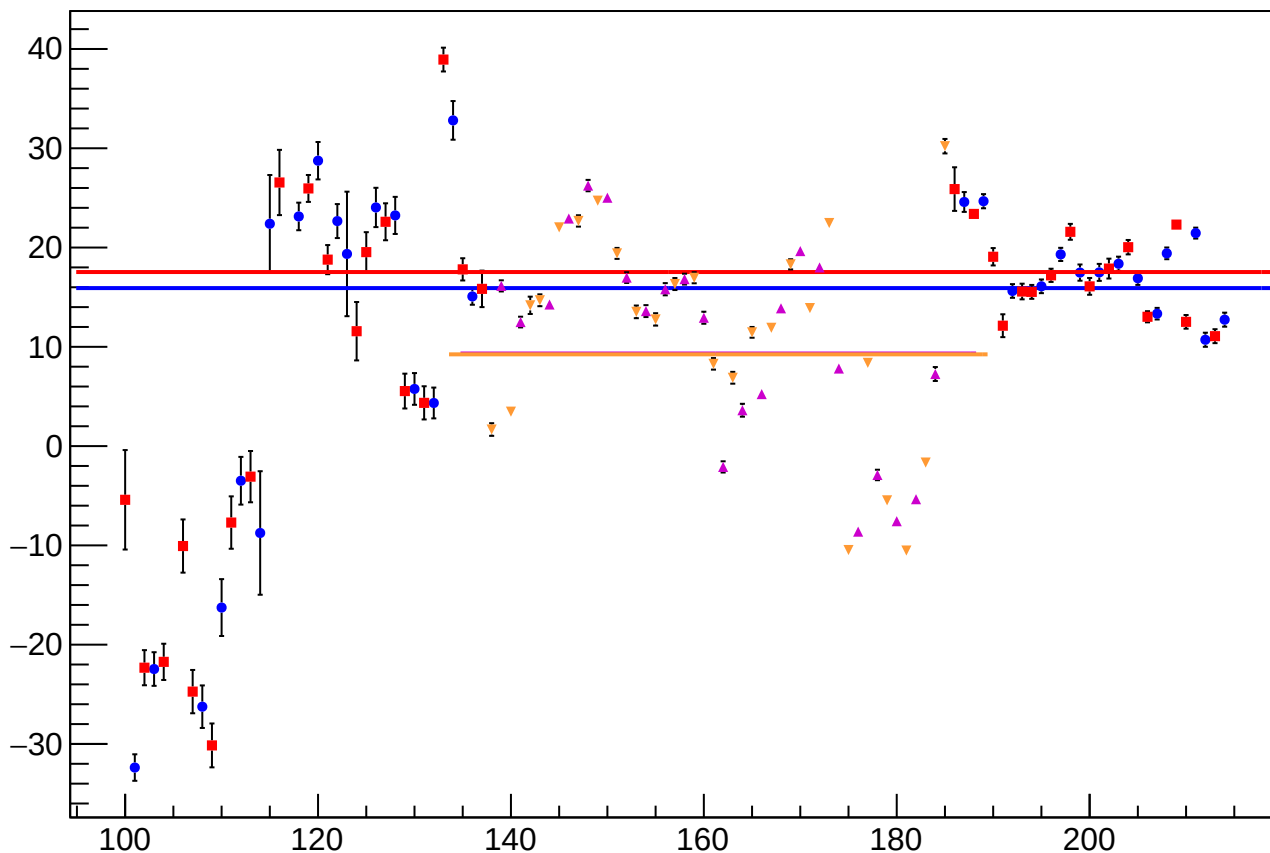
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 1.088 ± 0.071 χ^2/NDF : 41720.1/55

All: 0.815 ± 0.051 χ^2/NDF : 87476.1/112

- sign 0.534 ± 0.073 χ^2/NDF : 45726.4/56

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 15.916 $\pm$ 0.168 χ^2 /NDF: 3215.2/30

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 17.533 $\pm$ 0.156 χ^2 /NDF: 3316.0/33

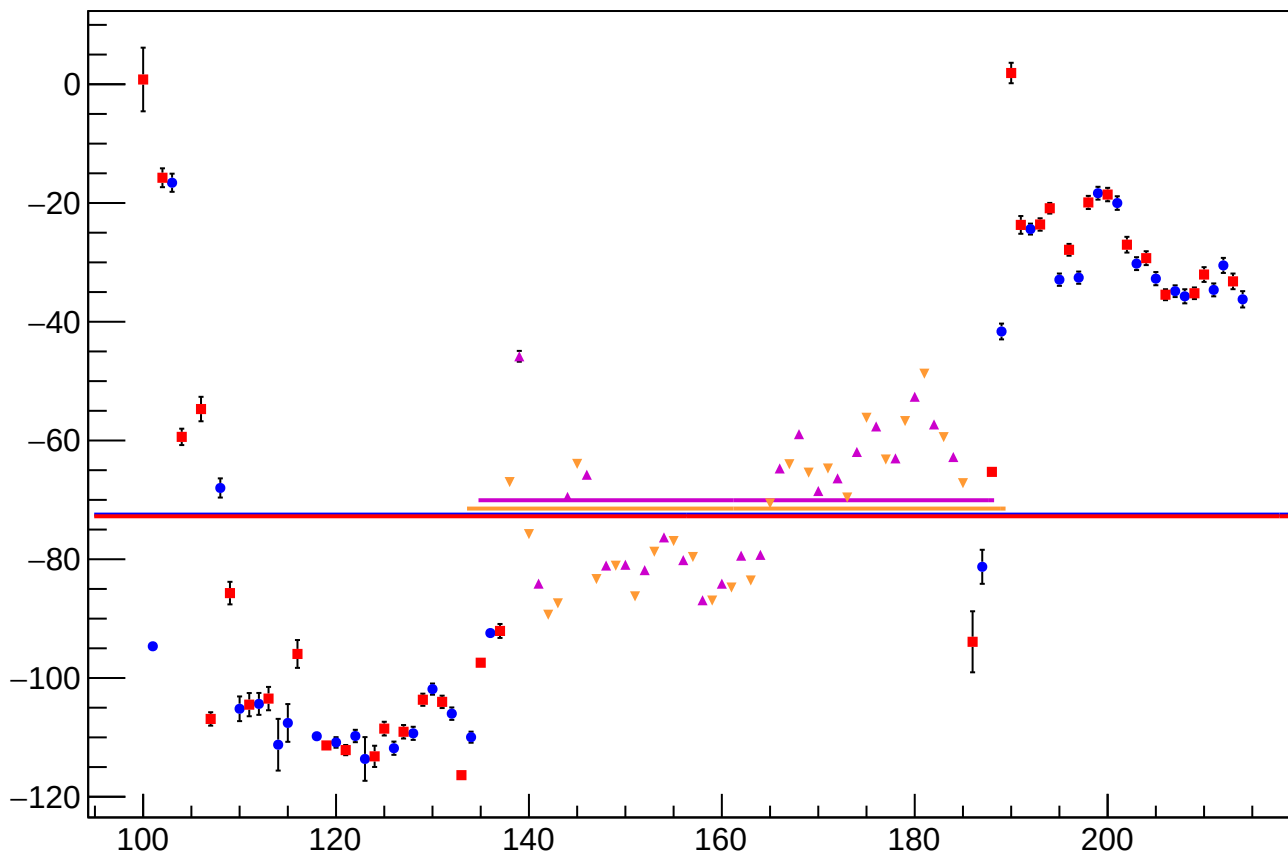
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 11.005 $\pm$ 0.087 χ^2 /NDF: 18004.0/55

All: 11.411 $\pm$ 0.061 χ^2 /NDF: 35267.1/112

- sign 11.809 $\pm$ 0.086 χ^2 /NDF: 17219.6/56

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -72.480 ± 0.194 $\chi^2/\text{NDF}: 35903.8/30$

Left Out: -71.465 ± 0.089 $\chi^2/\text{NDF}: 16409.7/24$

Right Out: -72.764 ± 0.188 $\chi^2/\text{NDF}: 43434.1/33$

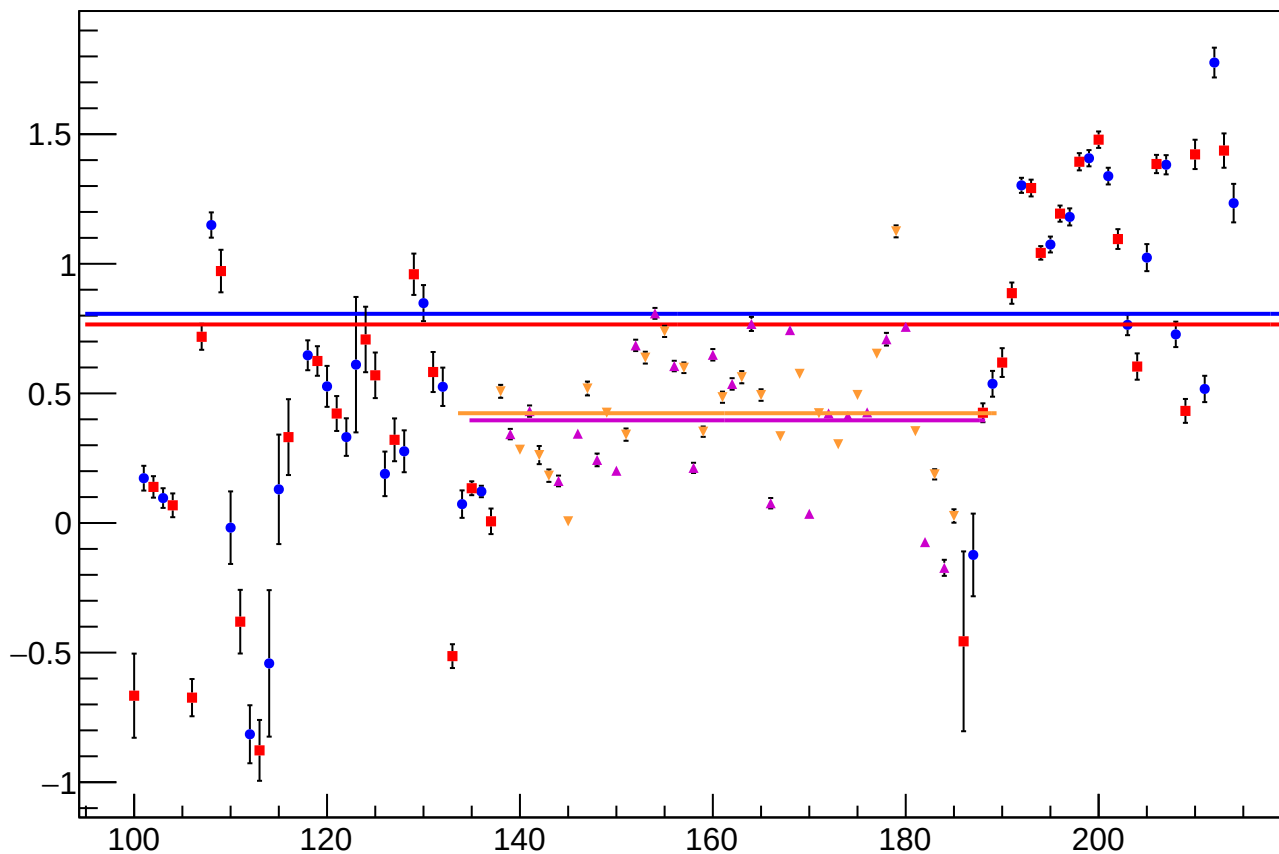
Left In: -70.061 ± 0.092 $\chi^2/\text{NDF}: 13058.5/22$

+ sign -71.643 ± 0.081 $\chi^2/\text{NDF}: 52336.1/55$

All: -71.120 ± 0.058 $\chi^2/\text{NDF}: 109079.8/112$

- sign -70.580 ± 0.082 $\chi^2/\text{NDF}: 56659.2/56$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.807 $\pm$ 0.008 χ^2/NDF : 3990.7/30

Left Out: 0.424 $\pm$ 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.766 $\pm$ 0.008 χ^2/NDF : 5113.1/33

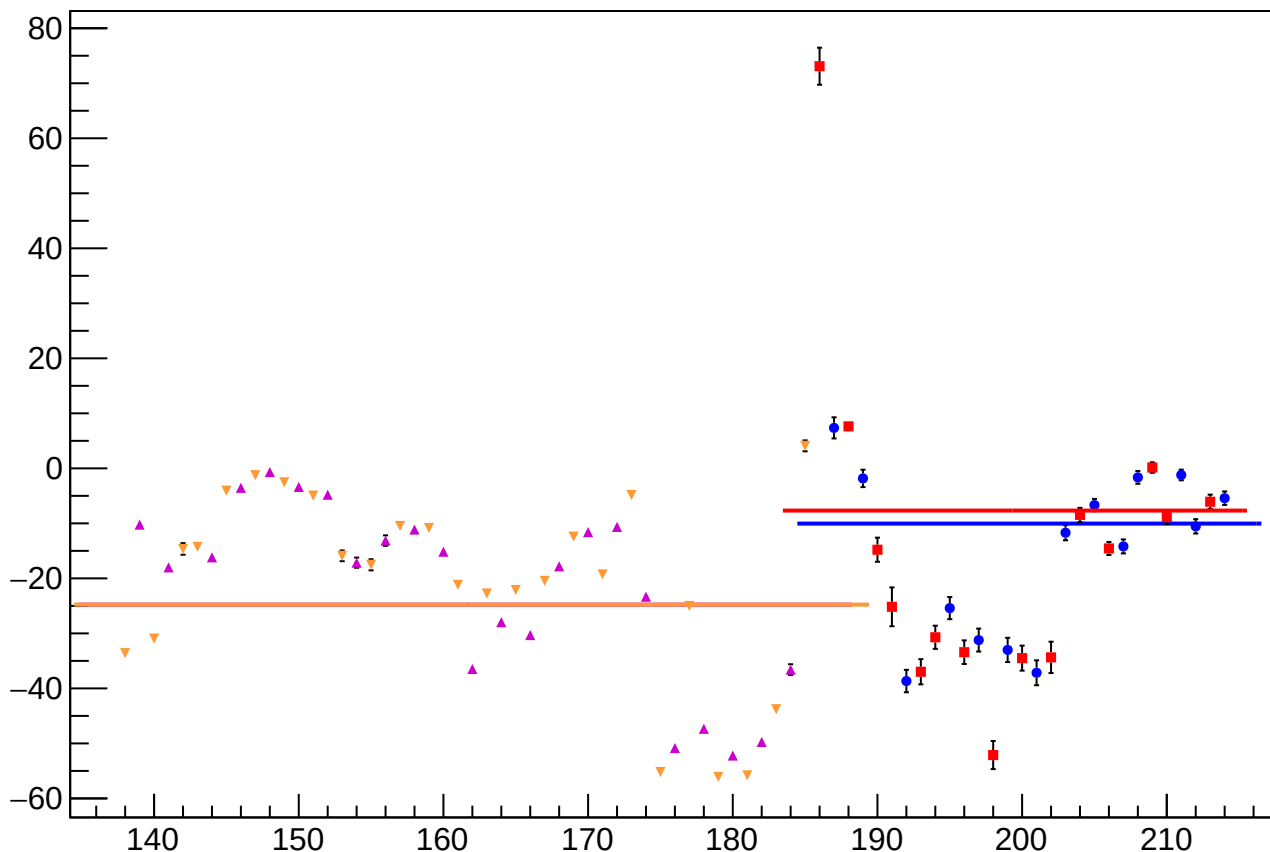
Left In: 0.396 $\pm$ 0.004 χ^2/NDF : 4051.5/22

+ sign 0.497 $\pm$ 0.004 χ^2/NDF : 8549.4/55

All: 0.485 $\pm$ 0.003 χ^2/NDF : 19397.5/112

- sign 0.474 $\pm$ 0.004 χ^2/NDF : 10829.5/56

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -10.040 ± 0.384 $\chi^2/\text{NDF}: 889.9/13$

Left Out: -24.769 ± 0.139 $\chi^2/\text{NDF}: 18318.8/24$

Right Out: -7.675 ± 0.387 $\chi^2/\text{NDF}: 2037.5/14$

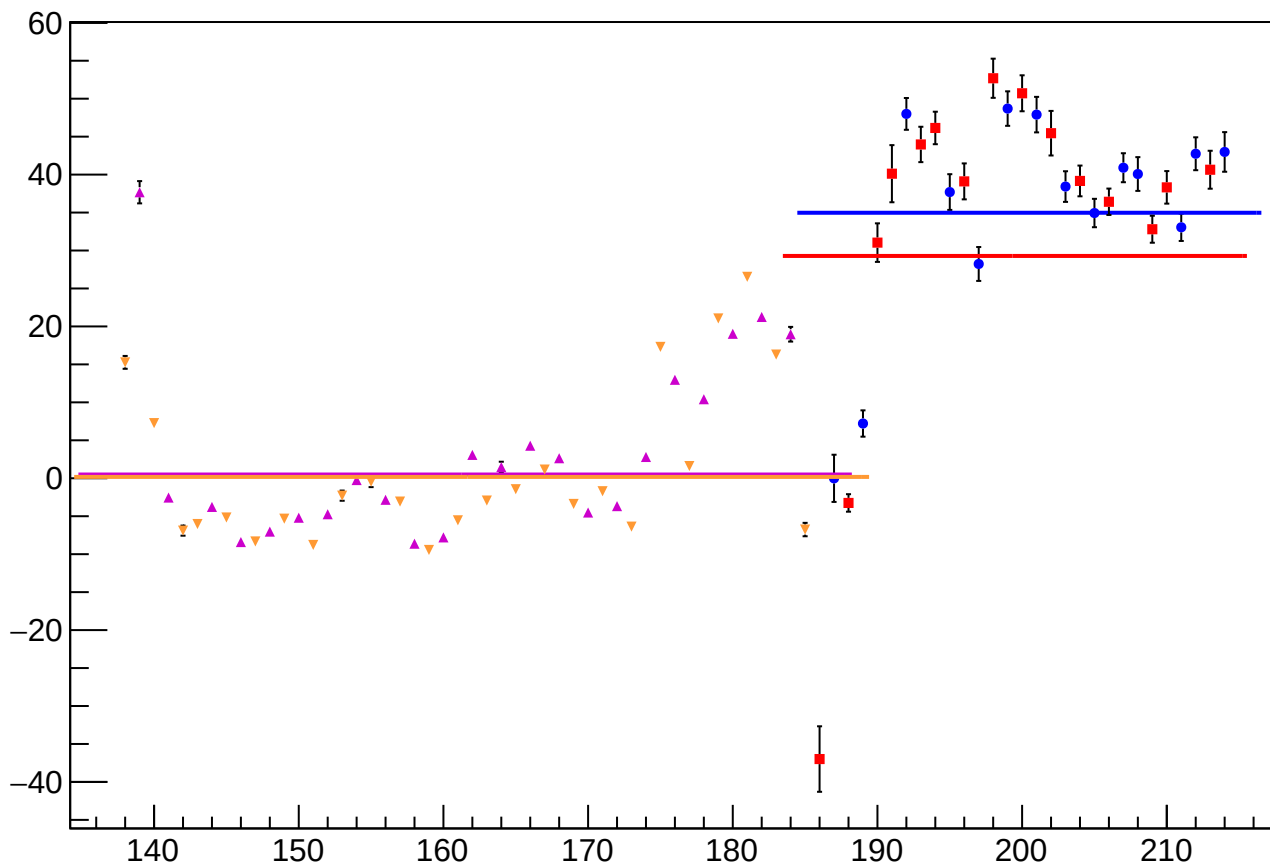
Left In: -24.775 ± 0.143 $\chi^2/\text{NDF}: 14807.4/22$

+ sign -23.056 ± 0.131 $\chi^2/\text{NDF}: 20507.0/38$

All: -22.894 ± 0.094 $\chi^2/\text{NDF}: 39074.9/76$

- sign -22.725 ± 0.134 $\chi^2/\text{NDF}: 18564.8/37$

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 34.974 ± 0.568 $\chi^2/\text{NDF}: 540.8/13$

Left Out: 0.177 ± 0.109 $\chi^2/\text{NDF}: 8295.6/24$

Right Out: 29.286 ± 0.548 $\chi^2/\text{NDF}: 1438.0/14$

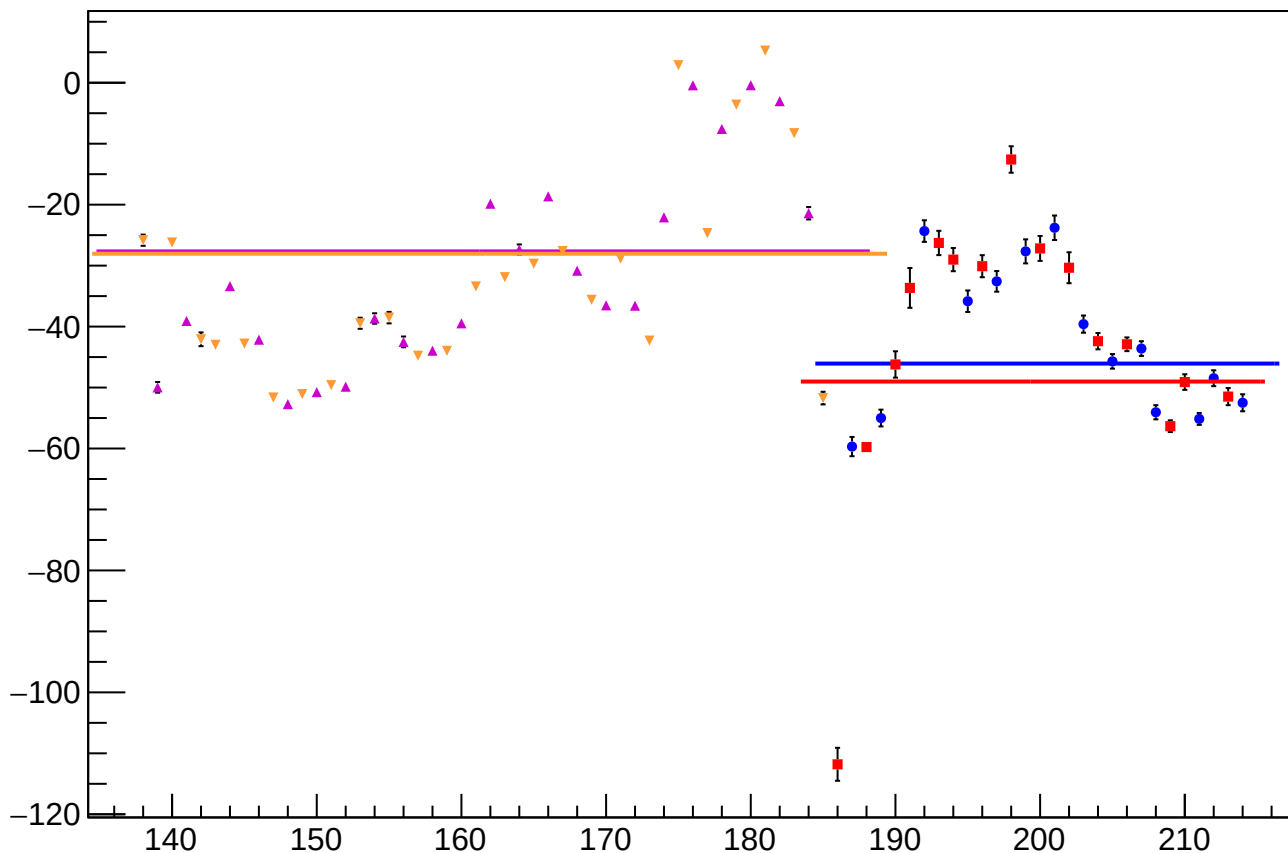
Left In: 0.493 ± 0.112 $\chi^2/\text{NDF}: 6555.4/22$

+ sign 1.402 ± 0.107 $\chi^2/\text{NDF}: 12454.9/38$

All: 1.522 ± 0.076 $\chi^2/\text{NDF}: 23097.9/76$

- sign 1.649 ± 0.110 $\chi^2/\text{NDF}: 10640.4/37$

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -46.066 ± 0.373 χ^2/NDF : 757.5/13

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -49.016 ± 0.358 χ^2/NDF : 1752.2/14

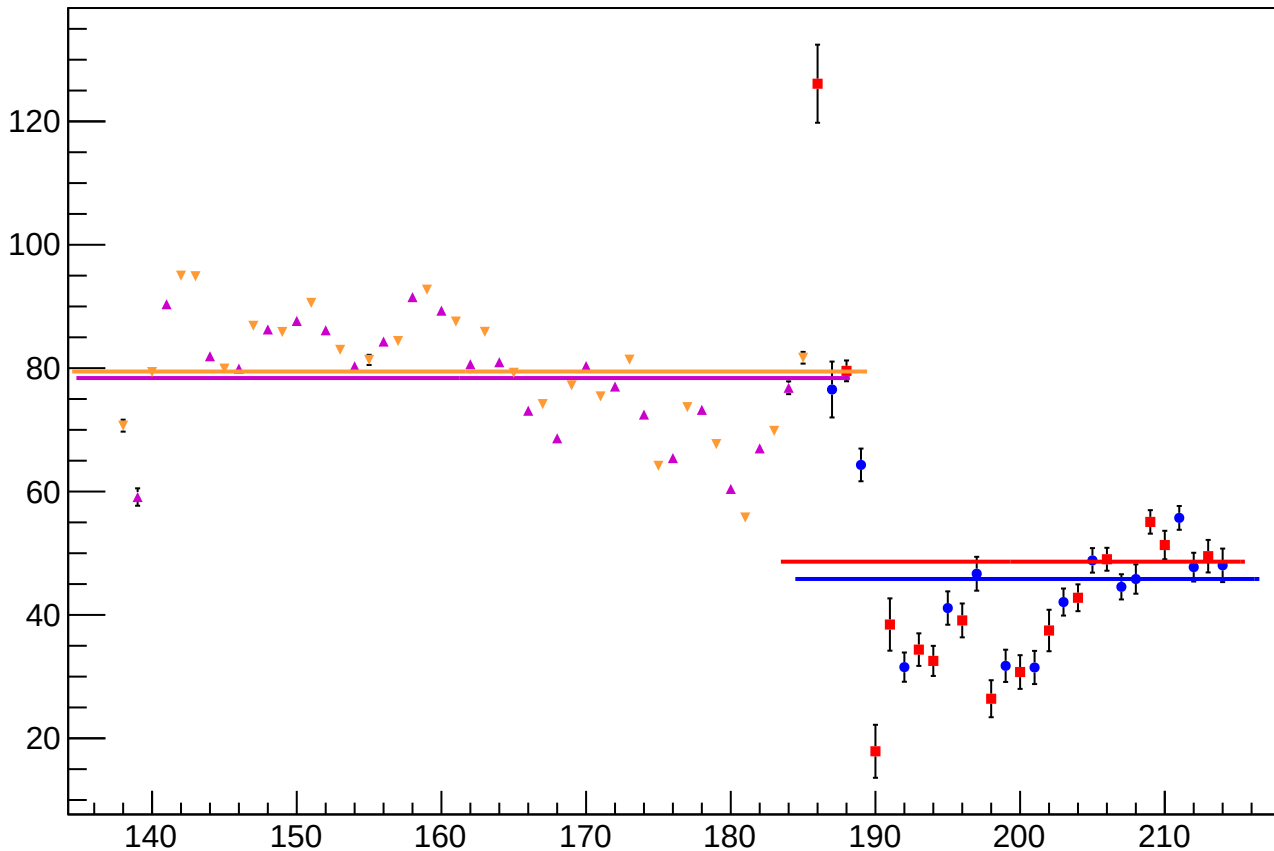
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -30.274 ± 0.131 χ^2/NDF : 19950.3/38

All: -30.430 ± 0.093 χ^2/NDF : 39783.1/76

- sign -30.588 ± 0.132 χ^2/NDF : 19830.0/37

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 45.827+/-0.647 χ^2/NDF : 225.0/13

Left Out: 79.456+/-0.123 χ^2/NDF : 6077.1/24

Right Out: 48.632+/-0.649 χ^2/NDF : 756.9/14

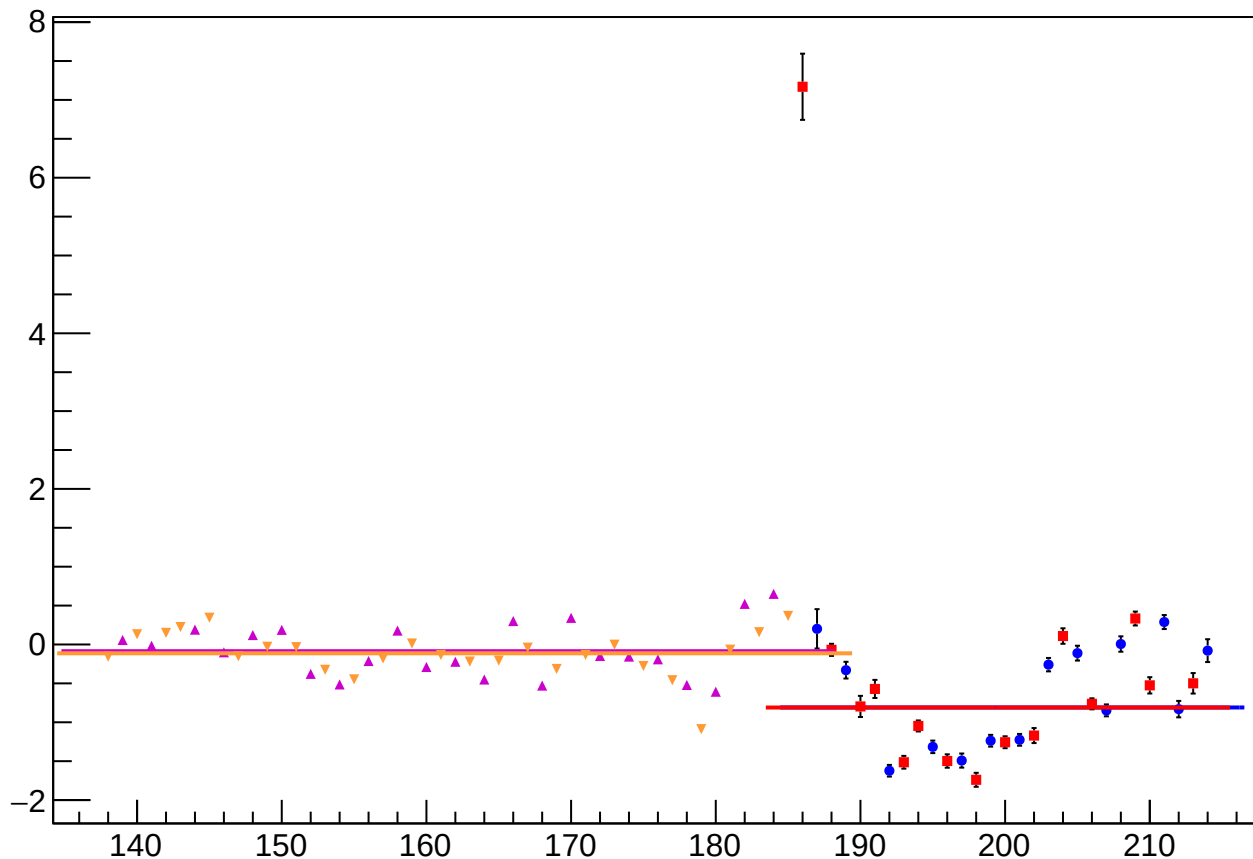
Left In: 78.396+/-0.127 χ^2/NDF : 4707.3/22

+ sign 78.279+/-0.121 χ^2/NDF : 8910.9/38

All: 77.804+/-0.087 χ^2/NDF : 16432.2/76

- sign 77.303+/-0.124 χ^2/NDF : 7489.6/37

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.810 ± 0.024 χ^2/NDF : 648.6/13

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.810 ± 0.024 χ^2/NDF : 1012.5/14

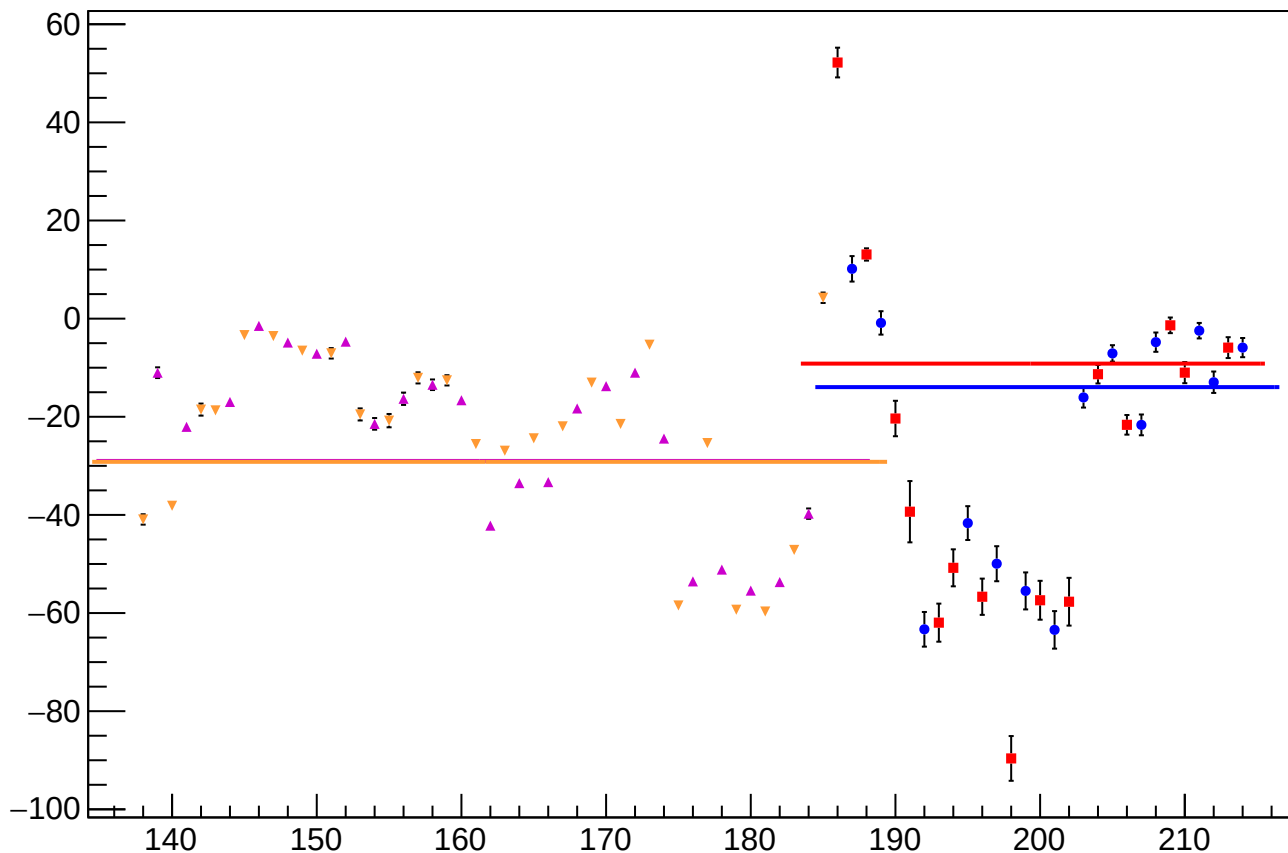
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.149 ± 0.006 χ^2/NDF : 3725.5/38

All: -0.138 ± 0.004 χ^2/NDF : 8748.1/76

- sign -0.126 ± 0.006 χ^2/NDF : 5014.3/37

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -13.955 ± 0.614 $\chi^2/\text{NDF}: 889.3/13$

Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$

Right Out: -9.167 ± 0.623 $\chi^2/\text{NDF}: 1857.3/14$

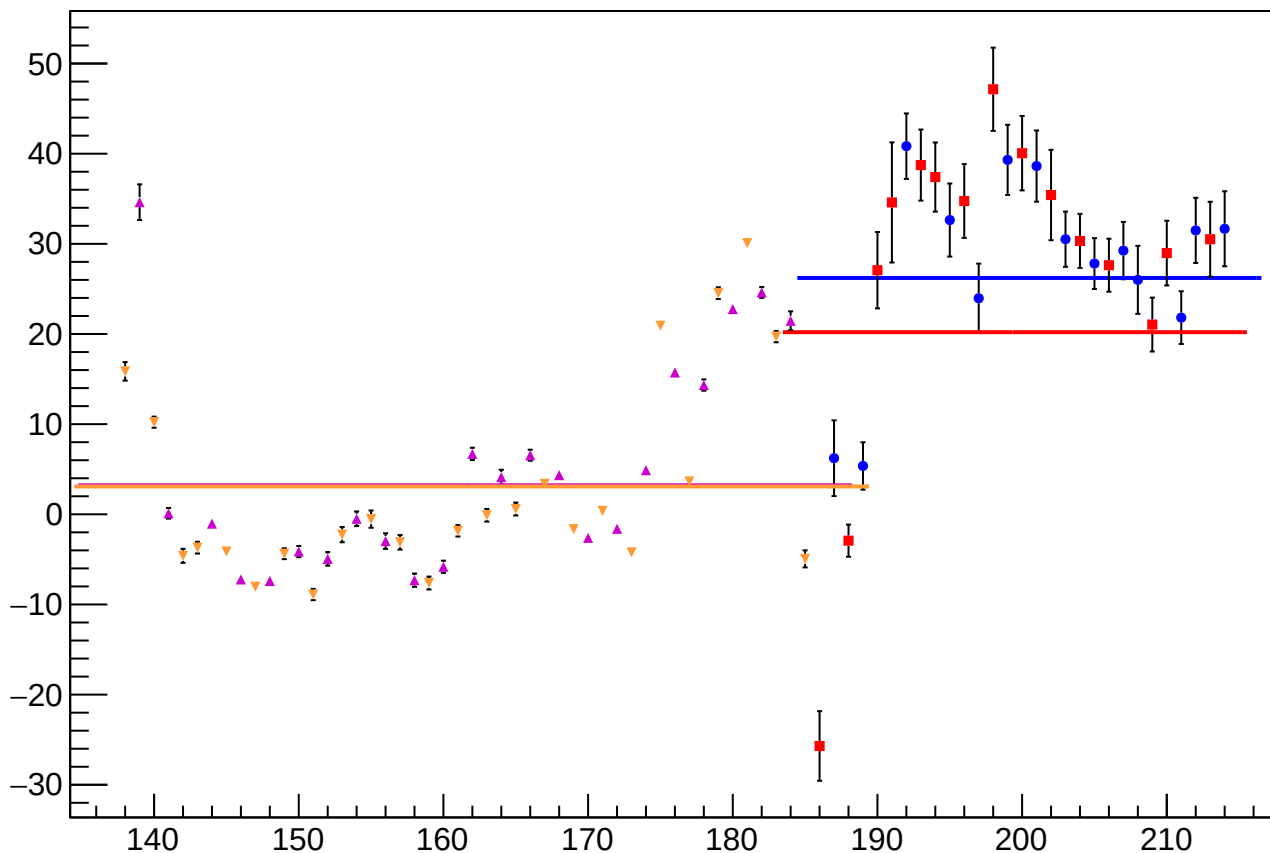
Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -28.249 ± 0.152 $\chi^2/\text{NDF}: 18378.4/38$

All: -28.018 ± 0.108 $\chi^2/\text{NDF}: 34608.5/76$

- sign -27.778 ± 0.155 $\chi^2/\text{NDF}: 16225.4/37$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 26.217 ± 0.917 $\chi^2/\text{NDF}: 135.3/13$

Left Out: 3.091 ± 0.124 $\chi^2/\text{NDF}: 8084.1/24$

Right Out: 20.203 ± 0.887 $\chi^2/\text{NDF}: 467.9/14$

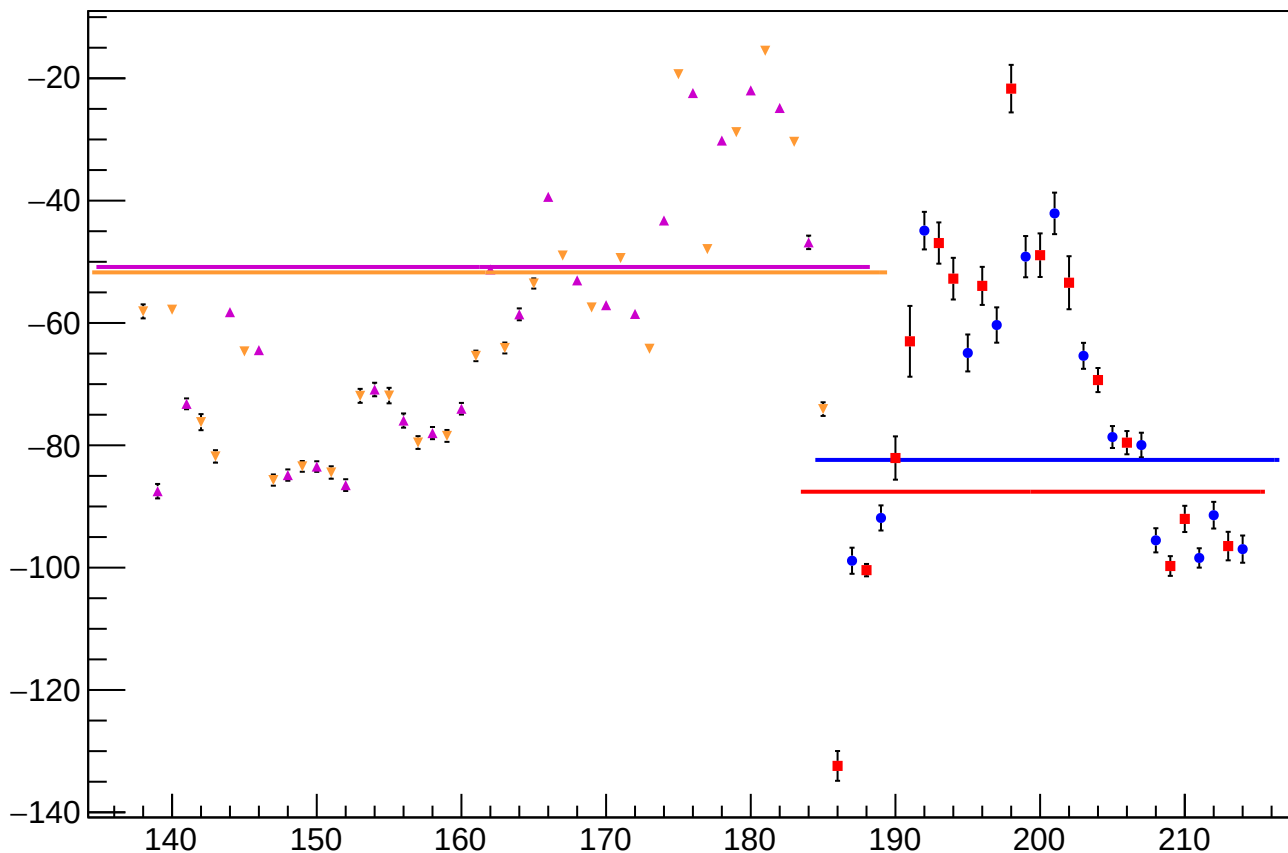
Left In: 3.221 ± 0.127 $\chi^2/\text{NDF}: 6237.6/22$

+ sign 3.509 ± 0.123 $\chi^2/\text{NDF}: 8843.8/38$

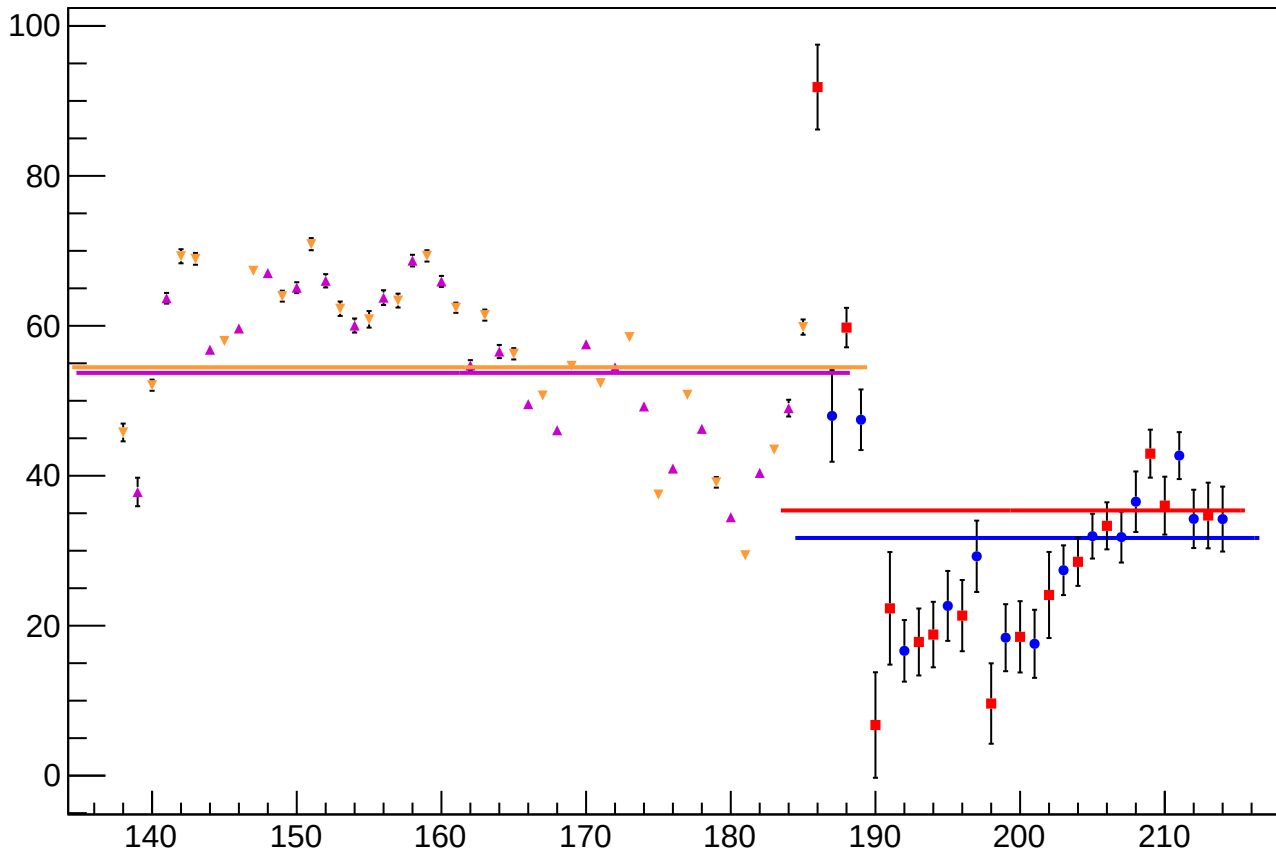
All: 3.535 ± 0.088 $\chi^2/\text{NDF}: 15908.7/76$

- sign 3.562 ± 0.126 $\chi^2/\text{NDF}: 7064.9/37$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 31.703 $\pm$ 1.050 χ^2 /NDF: 74.5/13

Left Out: 54.476 $\pm$ 0.140 χ^2 /NDF: 6266.9/24

Right Out: 35.373 $\pm$ 1.063 χ^2 /NDF: 293.7/14

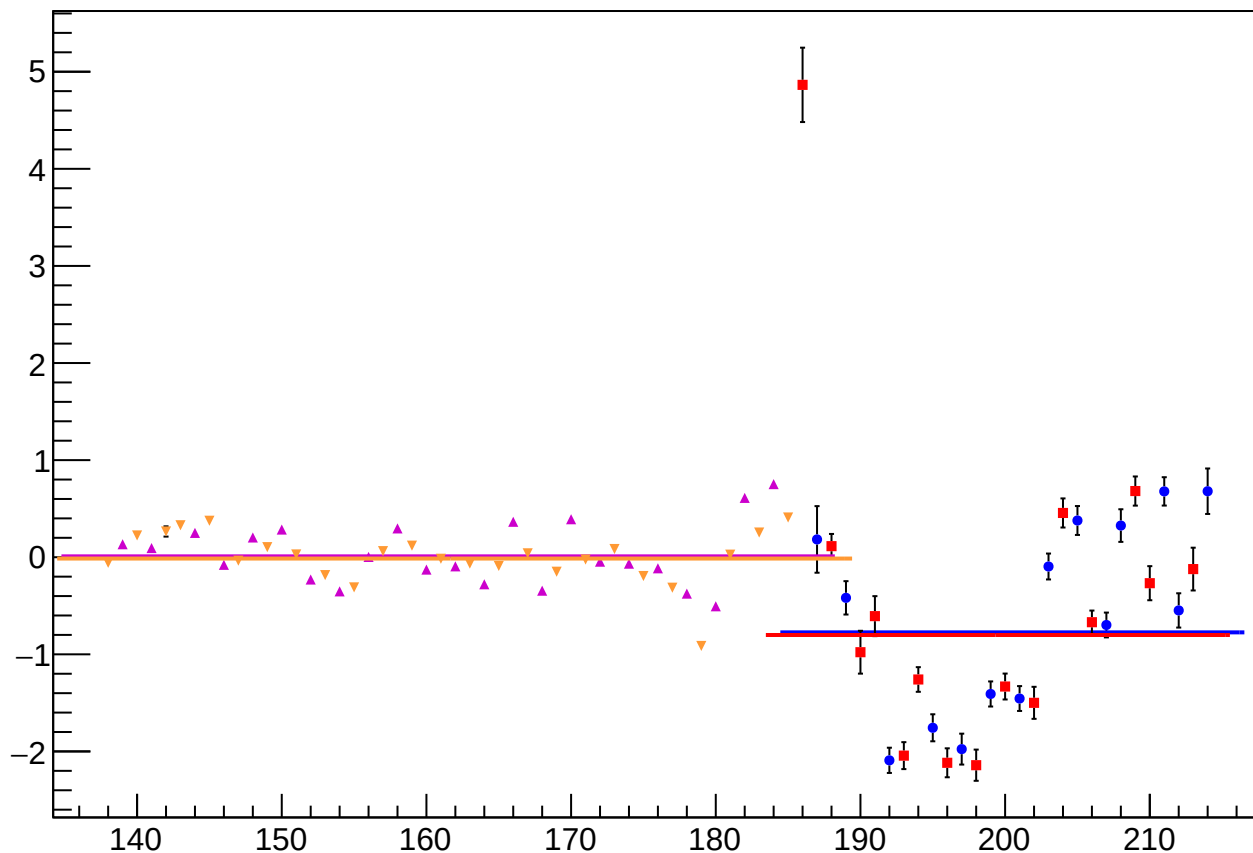
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 54.077 $\pm$ 0.139 χ^2 /NDF: 6803.9/38

All: 53.744 $\pm$ 0.099 χ^2 /NDF: 11987.7/76

- sign 53.397 $\pm$ 0.142 χ^2 /NDF: 5172.1/37

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.774 ± 0.041 χ^2/NDF : 542.4/13

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.801 ± 0.040 χ^2/NDF : 735.6/14

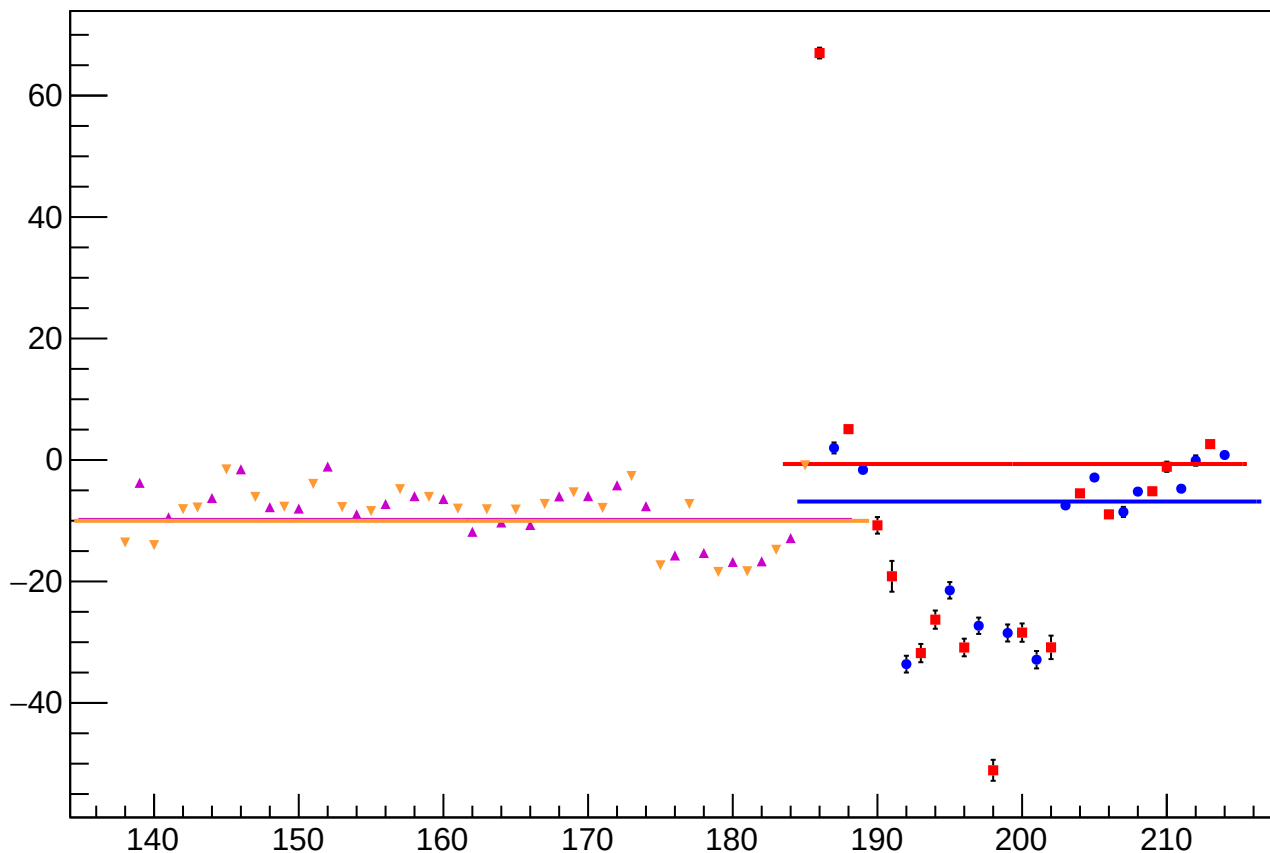
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.032 ± 0.006 χ^2/NDF : 2540.3/38

All: -0.022 ± 0.005 χ^2/NDF : 5895.5/76

- sign -0.012 ± 0.006 χ^2/NDF : 3350.1/37

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -6.840 ± 0.232 χ^2/NDF : 1657.2/13

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: -0.662 ± 0.232 χ^2/NDF : 8933.3/14

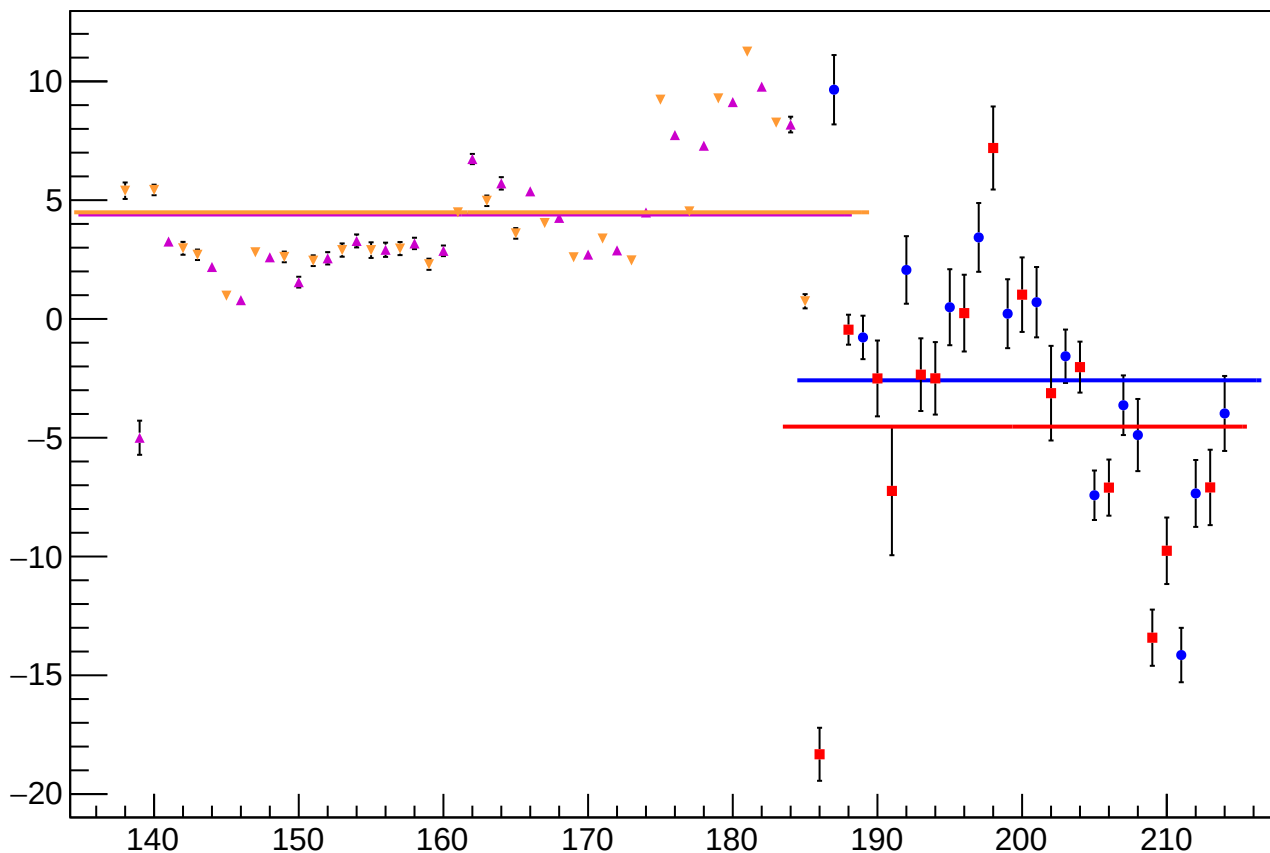
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.872 ± 0.049 χ^2/NDF : 14388.9/38

All: -9.656 ± 0.035 χ^2/NDF : 34209.3/76

- sign -9.434 ± 0.050 χ^2/NDF : 19781.7/37

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -2.584 ± 0.345 χ^2/NDF : 254.0/13

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -4.532 ± 0.328 χ^2/NDF : 350.9/14

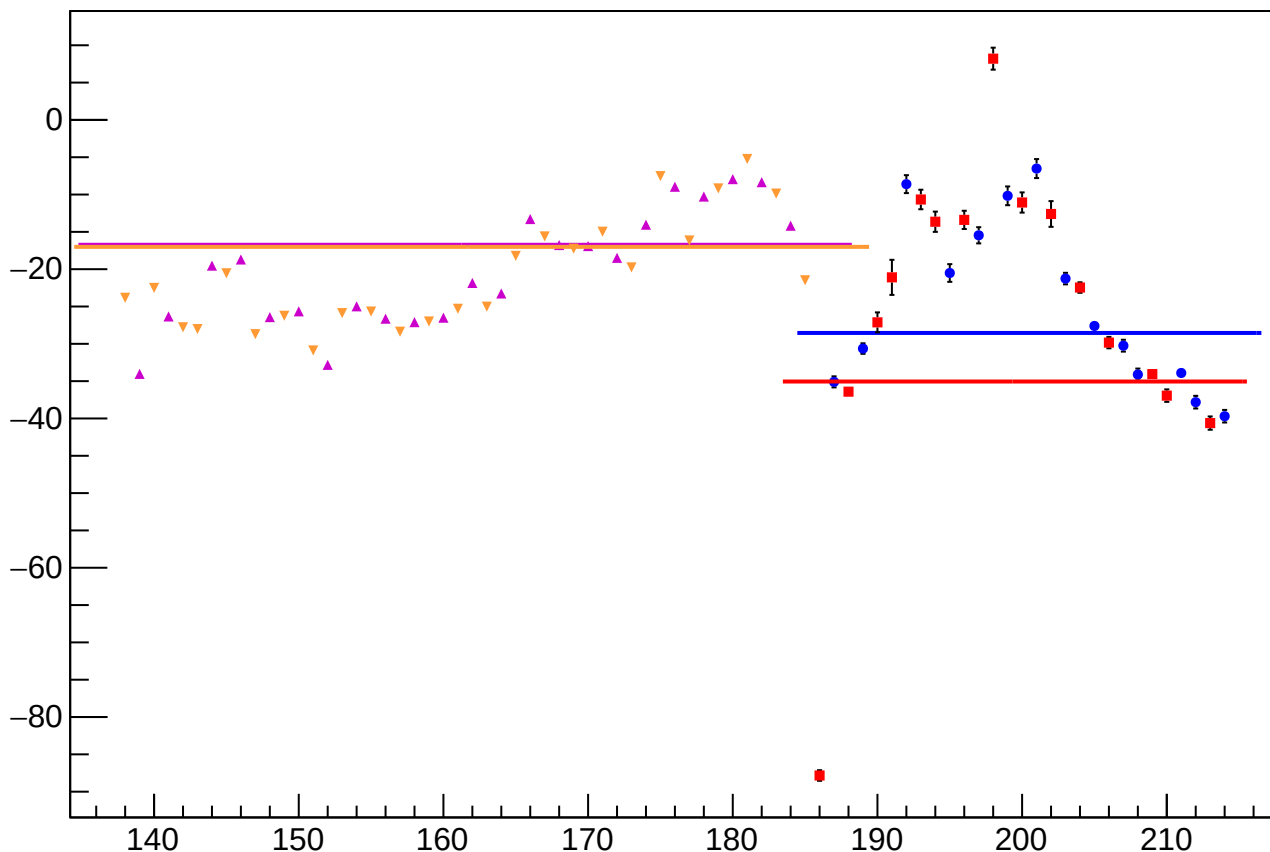
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.392 ± 0.040 χ^2/NDF : 5501.2/38

All: 4.325 ± 0.029 χ^2/NDF : 10816.1/76

- sign 4.257 ± 0.041 χ^2/NDF : 5309.5/37

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -28.542 ± 0.225 $\chi^2/\text{NDF}: 1579.4/13$

Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$

Right Out: -35.049 ± 0.211 $\chi^2/\text{NDF}: 8266.8/14$

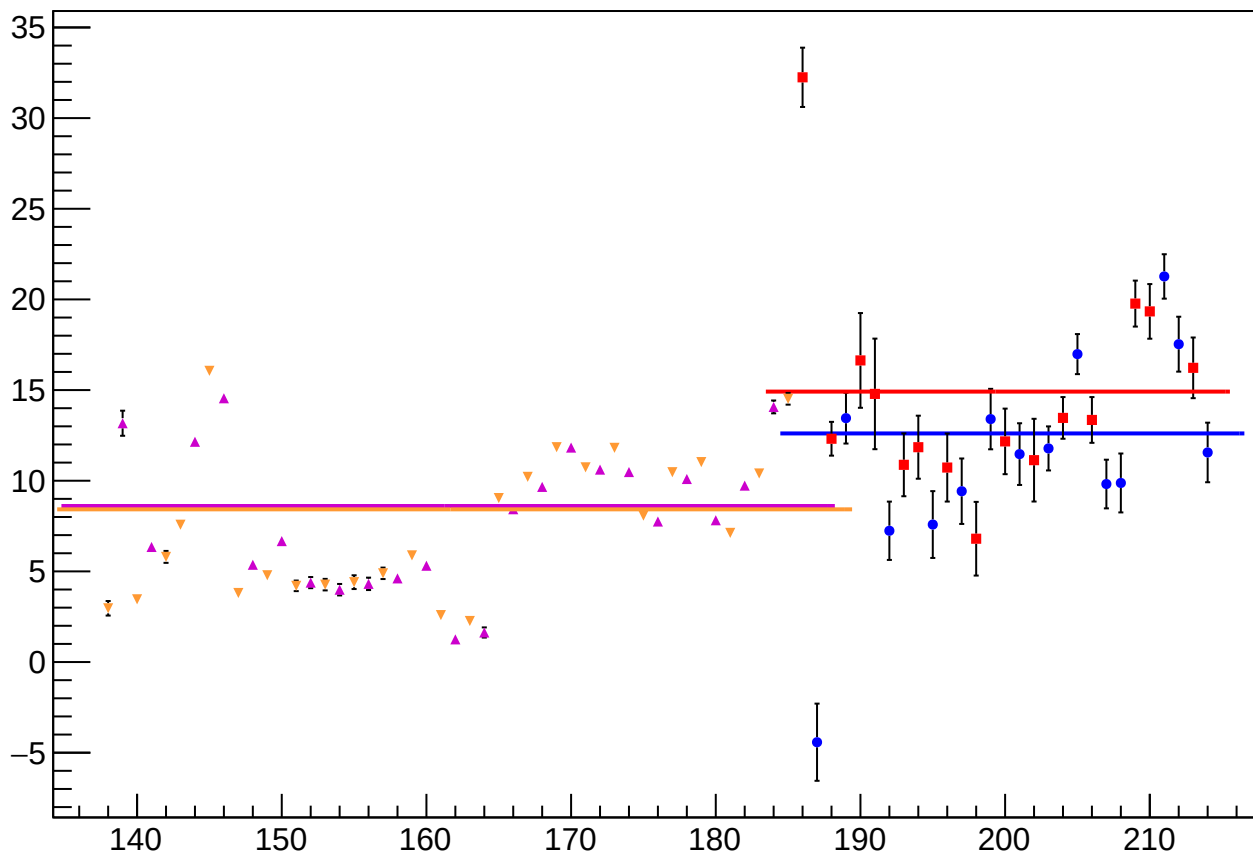
Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

+ sign -17.576 ± 0.050 $\chi^2/\text{NDF}: 26182.6/38$

All: -17.669 ± 0.035 $\chi^2/\text{NDF}: 60346.3/76$

- sign -17.763 ± 0.050 $\chi^2/\text{NDF}: 34156.6/37$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 12.608+/-0.398 χ^2/NDF : 171.0/13

Left Out: 8.422+/-0.046 χ^2/NDF : 6470.1/24

Right Out: 14.916+/-0.399 χ^2/NDF : 182.1/14

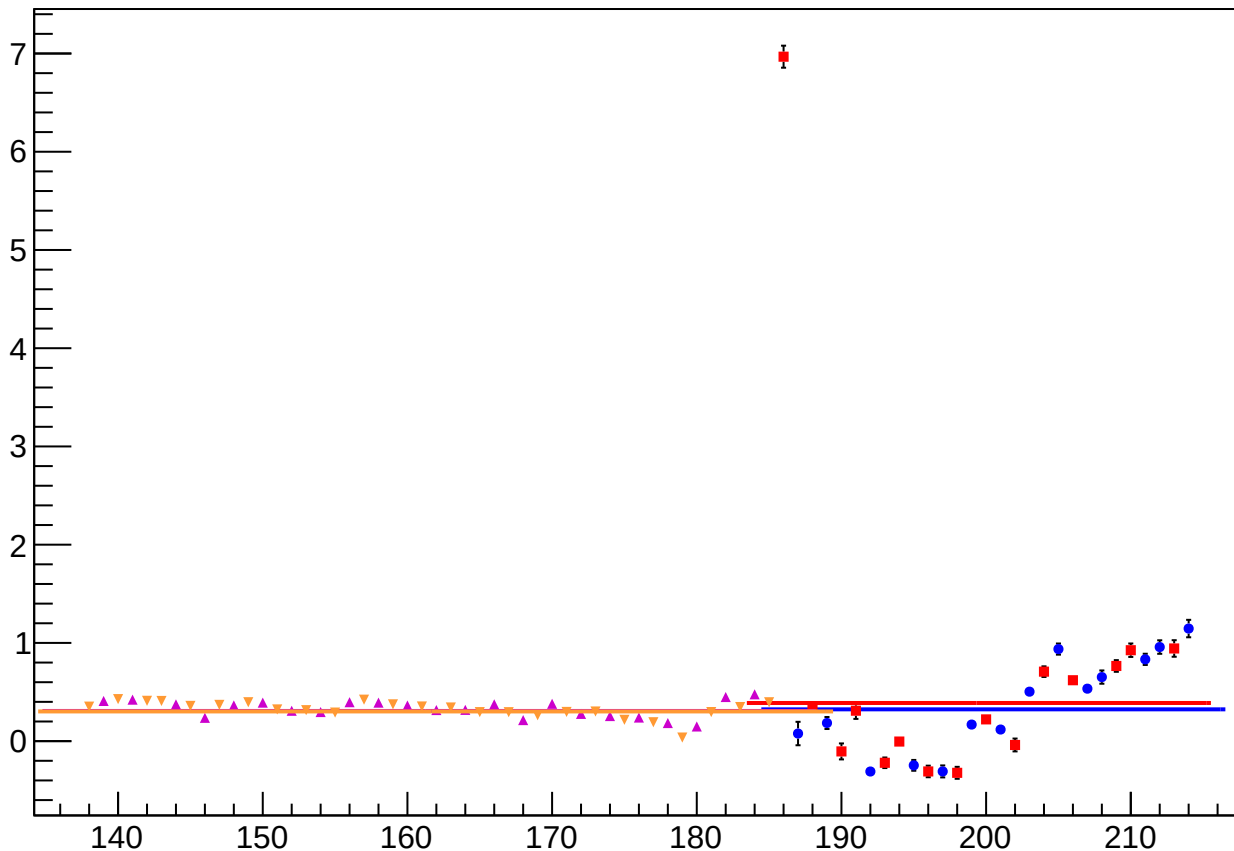
Left In: 8.606+/-0.046 χ^2/NDF : 5504.2/22

+ sign 8.476+/-0.045 χ^2/NDF : 6750.6/38

All: 8.581+/-0.032 χ^2/NDF : 12694.4/76

- sign 8.690+/-0.046 χ^2/NDF : 5932.8/37

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.324+/-0.016 χ^2/NDF : 828.7/13

Left Out: 0.302+/-0.002 χ^2/NDF :1590.9/24

Right Out: 0.389+/-0.015 χ^2/NDF : 4198.6/14

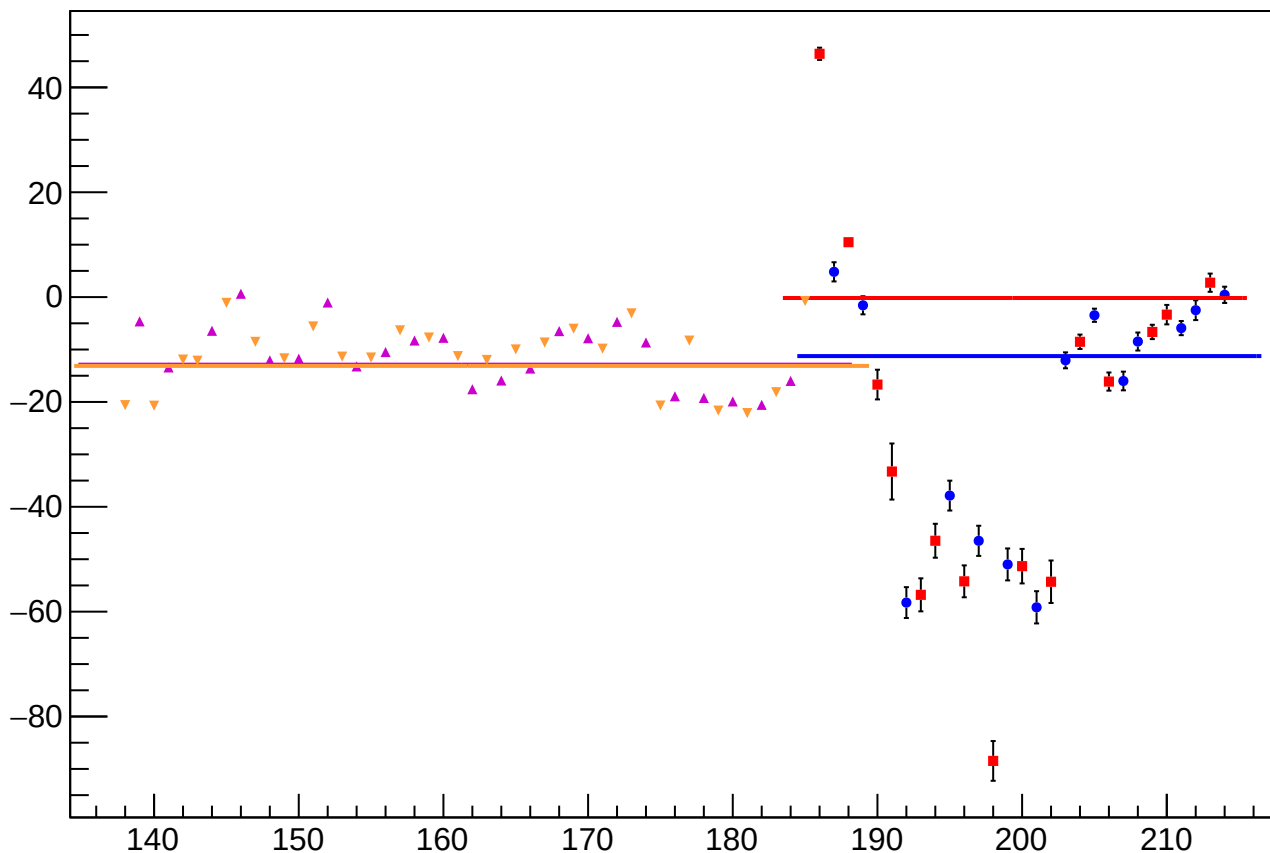
Left In: 0.307+/-0.002 χ^2/NDF :1699.5/22

+ sign 0.303+/-0.002 χ^2/NDF : 2421.5/38

All: 0.306+/-0.001 χ^2/NDF : 8350.8/76

- sign 0.309+/-0.002 χ^2/NDF : 5925.3/37

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -11.252 ± 0.490 χ^2/NDF : 1156.4/13

Left Out: -13.125 ± 0.094 χ^2/NDF : 5977.6/24

Right Out: -0.172 ± 0.467 χ^2/NDF : 3752.4/14

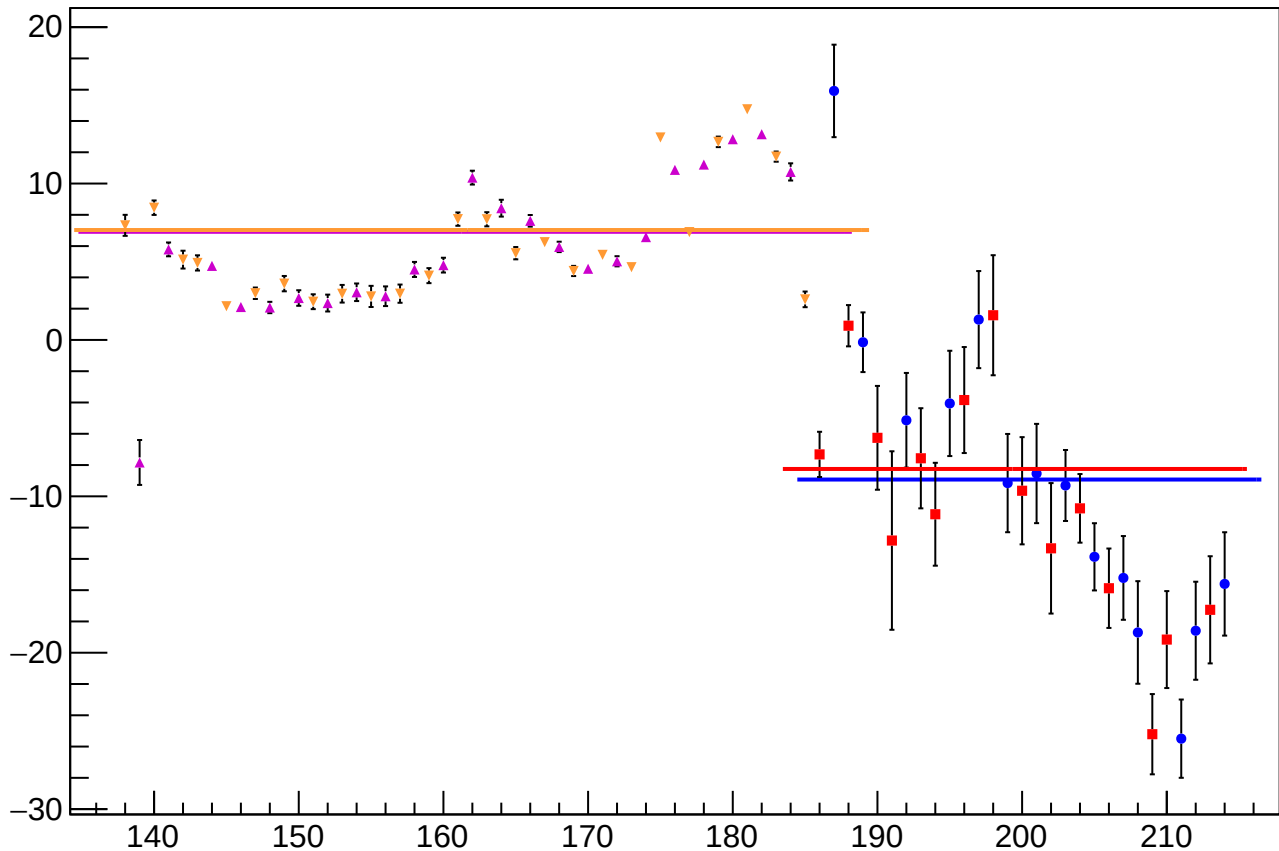
Left In: -12.885 ± 0.095 χ^2/NDF : 4776.2/22

+ sign -13.059 ± 0.092 χ^2/NDF : 7148.1/38

All: -12.723 ± 0.065 χ^2/NDF : 16416.0/76

- sign -12.379 ± 0.093 χ^2/NDF : 9240.9/37

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -8.926 ± 0.728 χ^2/NDF : 183.5/13

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -8.250 ± 0.650 χ^2/NDF : 133.6/14

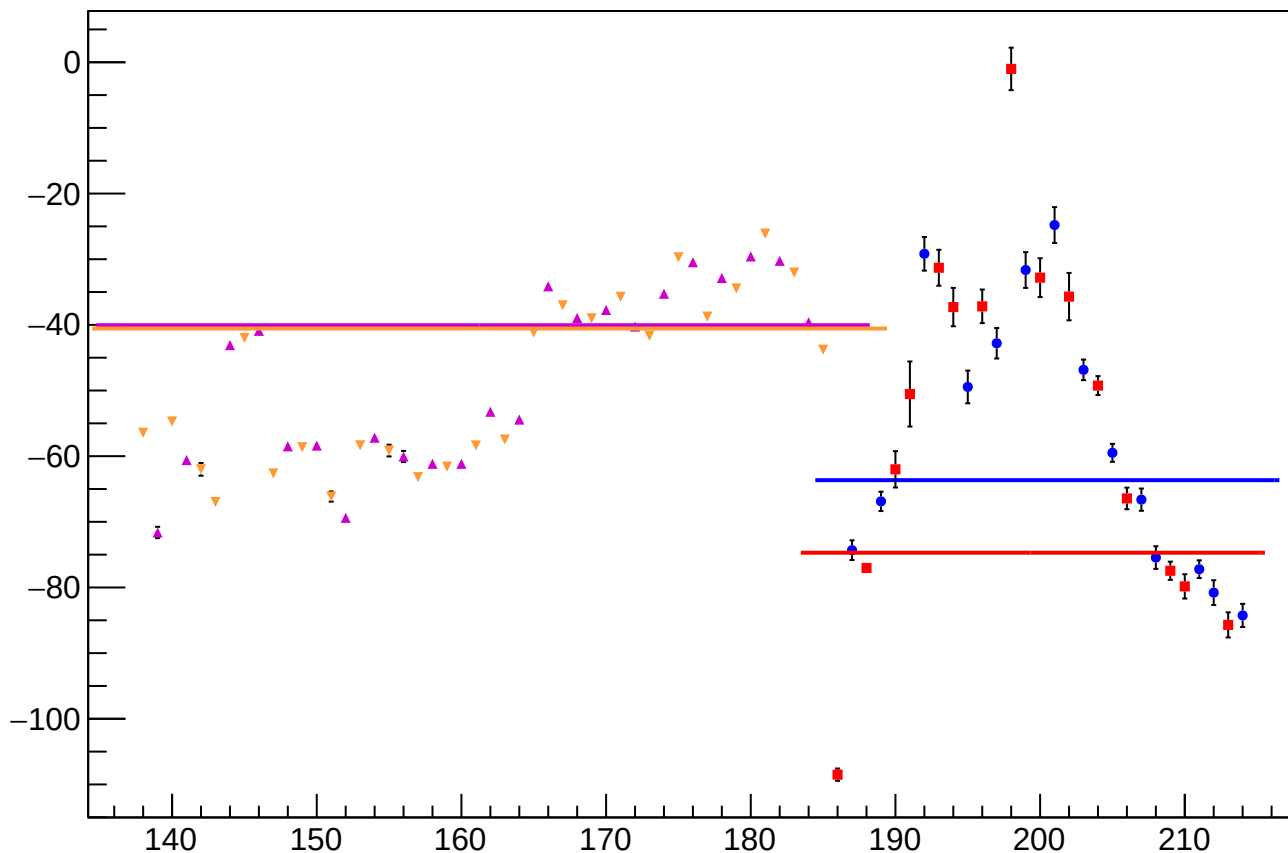
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 6.850 ± 0.077 χ^2/NDF : 3323.8/38

All: 6.776 ± 0.054 χ^2/NDF : 6423.9/76

- sign 6.700 ± 0.077 χ^2/NDF : 3098.2/37

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -63.653 ± 0.474 χ^2/NDF : 1183.9/13

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -74.703 ± 0.418 χ^2/NDF : 3207.8/14

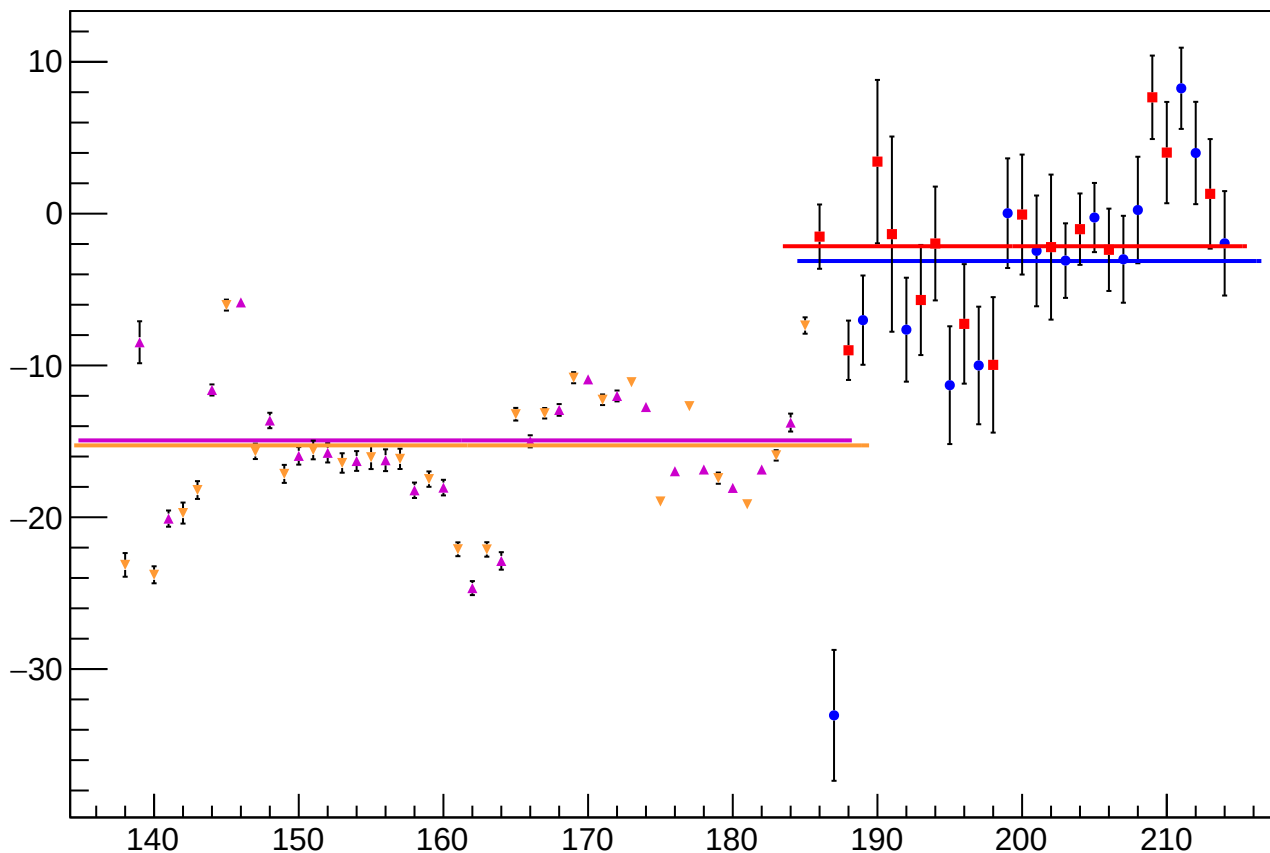
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -41.449 ± 0.093 χ^2/NDF : 19101.2/38

All: -41.611 ± 0.066 χ^2/NDF : 42757.2/76

- sign -41.774 ± 0.093 χ^2/NDF : 23650.0/37

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -3.121+/-0.841 χ^2/NDF : 85.2/13

Left Out: -15.266+/-0.086 χ^2/NDF : 2595.5/24

Right Out: -2.146+/-0.809 χ^2/NDF : 36.8/14

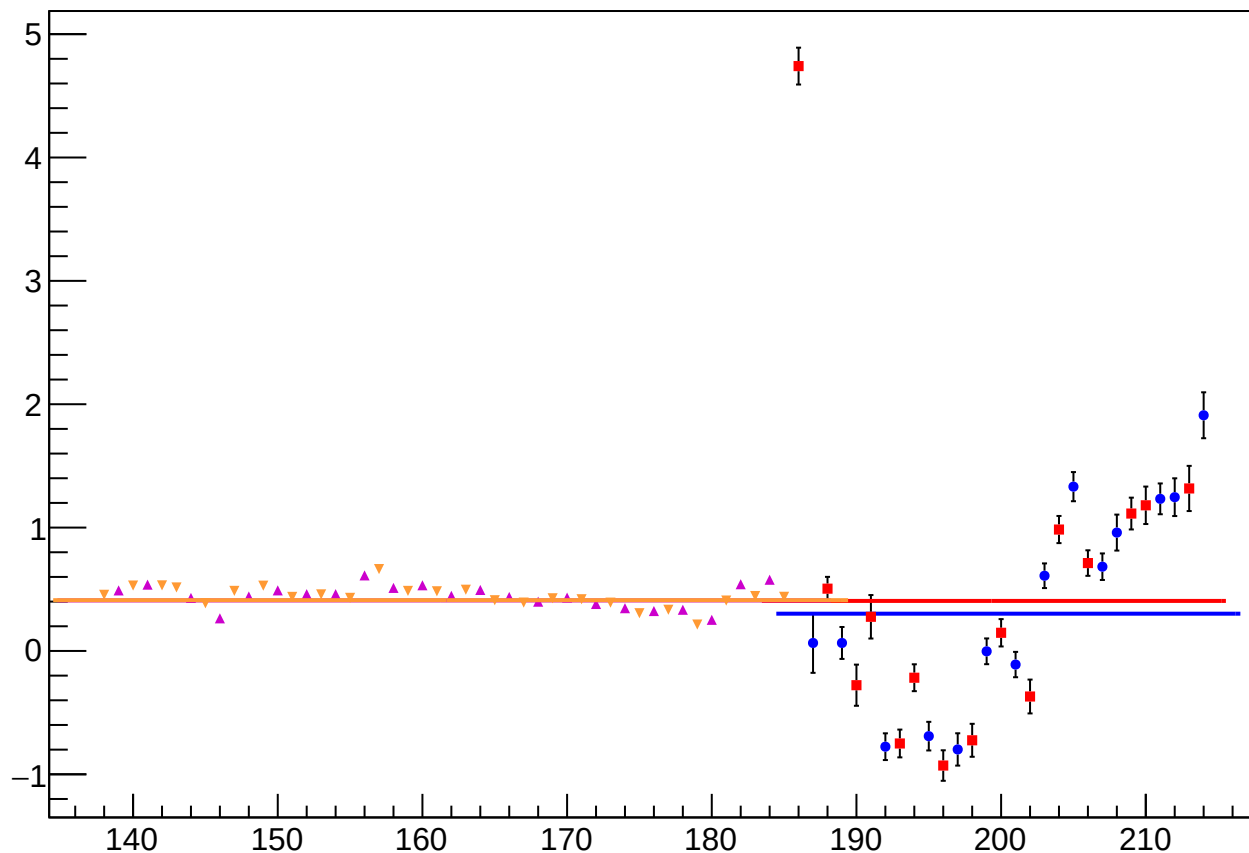
Left In: -14.936+/-0.087 χ^2/NDF : 2199.7/22

+ sign -15.140+/-0.085 χ^2/NDF : 2887.0/38

All: -14.967+/-0.061 χ^2/NDF : 5379.0/76

- sign -14.790+/-0.086 χ^2/NDF : 2483.7/37

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.302+/-0.033 χ^2/NDF : 558.5/13

Left Out: 0.411+/-0.004 χ^2/NDF : 428.7/24

Right Out: 0.406+/-0.032 χ^2/NDF : 1341.5/14

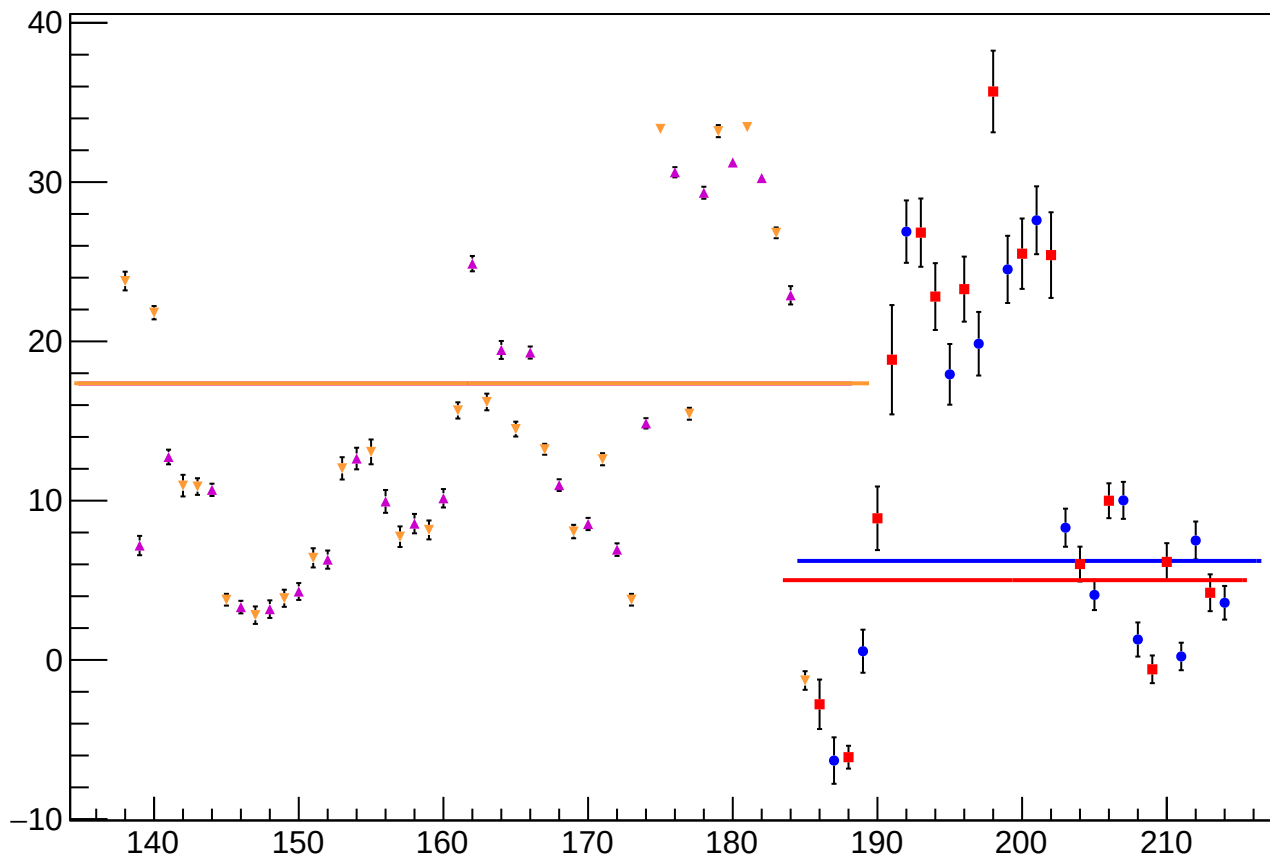
Left In: 0.409+/-0.004 χ^2/NDF : 557.8/22

+ sign 0.410+/-0.004 χ^2/NDF : 998.0/38

All: 0.410+/-0.003 χ^2/NDF : 2897.3/76

- sign 0.409+/-0.004 χ^2/NDF : 1899.3/37

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 6.217 ± 0.341 $\chi^2/\text{NDF}: 558.7/13$

Left Out: 17.367 ± 0.087 $\chi^2/\text{NDF}: 16337.6/24$

Right Out: 5.009 ± 0.346 $\chi^2/\text{NDF}: 892.9/14$

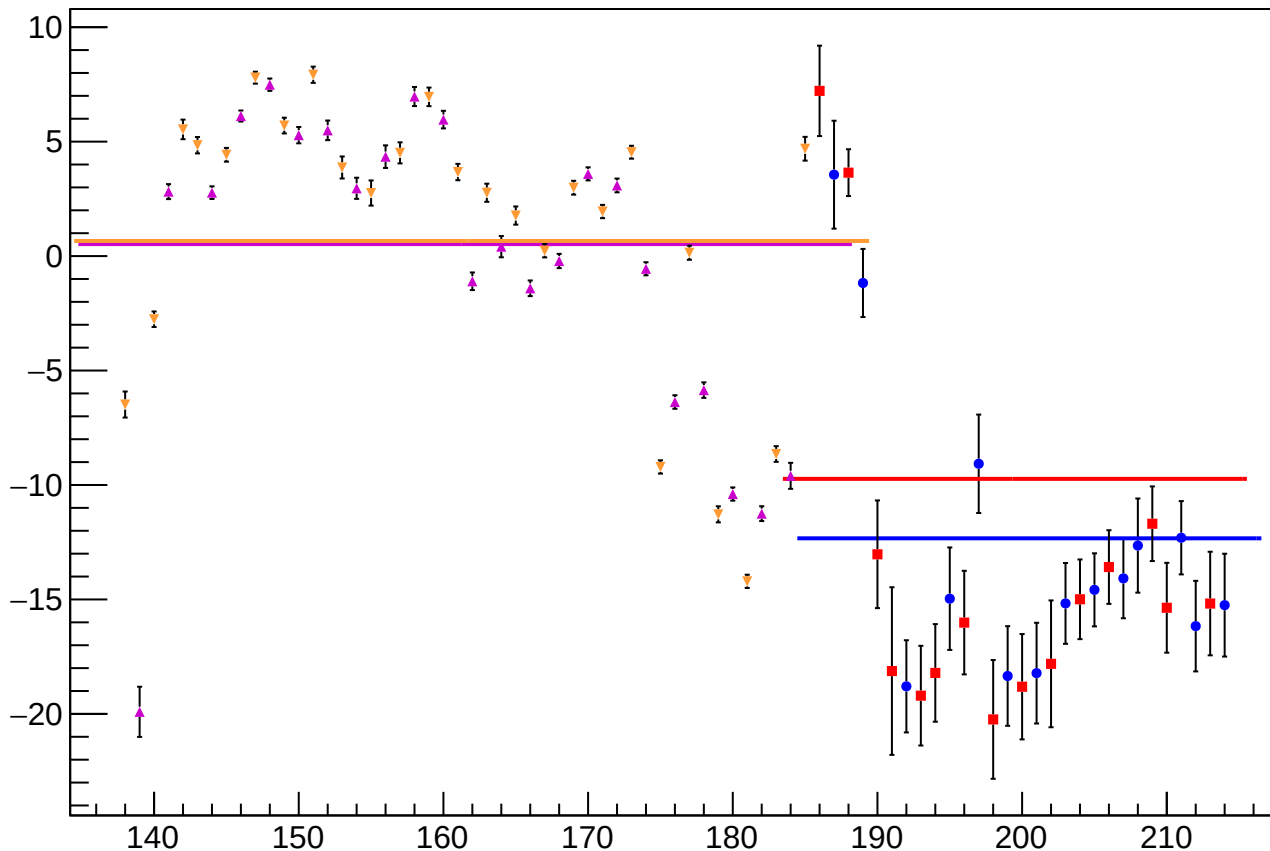
Left In: 17.355 ± 0.089 $\chi^2/\text{NDF}: 12745.1/22$

+ sign 16.684 ± 0.084 $\chi^2/\text{NDF}: 17900.0/38$

All: 16.639 ± 0.060 $\chi^2/\text{NDF}: 32731.2/76$

- sign 16.592 ± 0.086 $\chi^2/\text{NDF}: 14830.5/37$

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -12.330 ± 0.511 χ^2/NDF : 141.5/13

Left Out: 0.661 ± 0.069 χ^2/NDF : 8553.9/24

Right Out: -9.732 ± 0.493 χ^2/NDF : 365.2/14

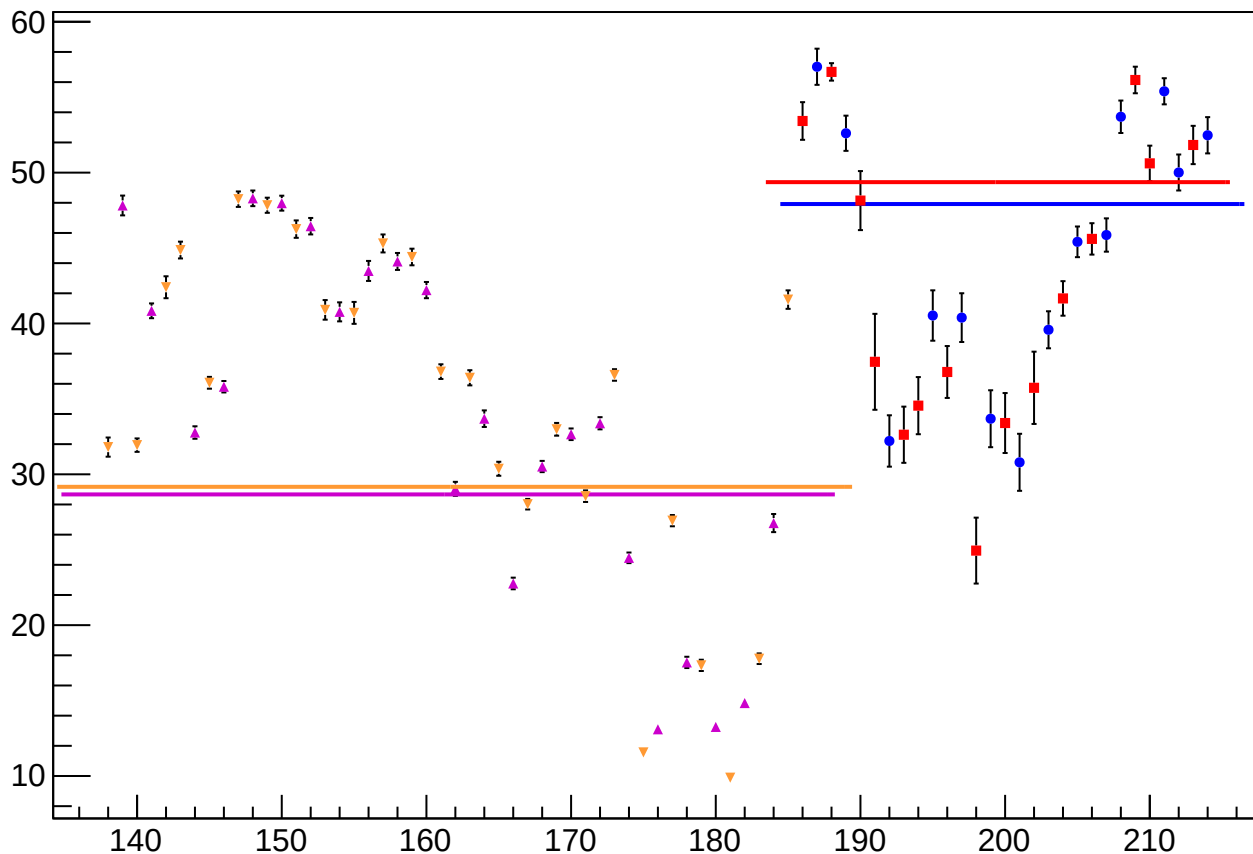
Left In: 0.524 ± 0.071 χ^2/NDF : 6729.7/22

+ sign 0.425 ± 0.069 χ^2/NDF : 9330.8/38

All: 0.372 ± 0.049 χ^2/NDF : 16850.3/76

- sign 0.317 ± 0.070 χ^2/NDF : 7518.3/37

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 47.918 $\pm$ 0.331 χ^2 /NDF: 515.6/13

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24

Right Out: 49.369 $\pm$ 0.319 χ^2 /NDF: 724.3/14

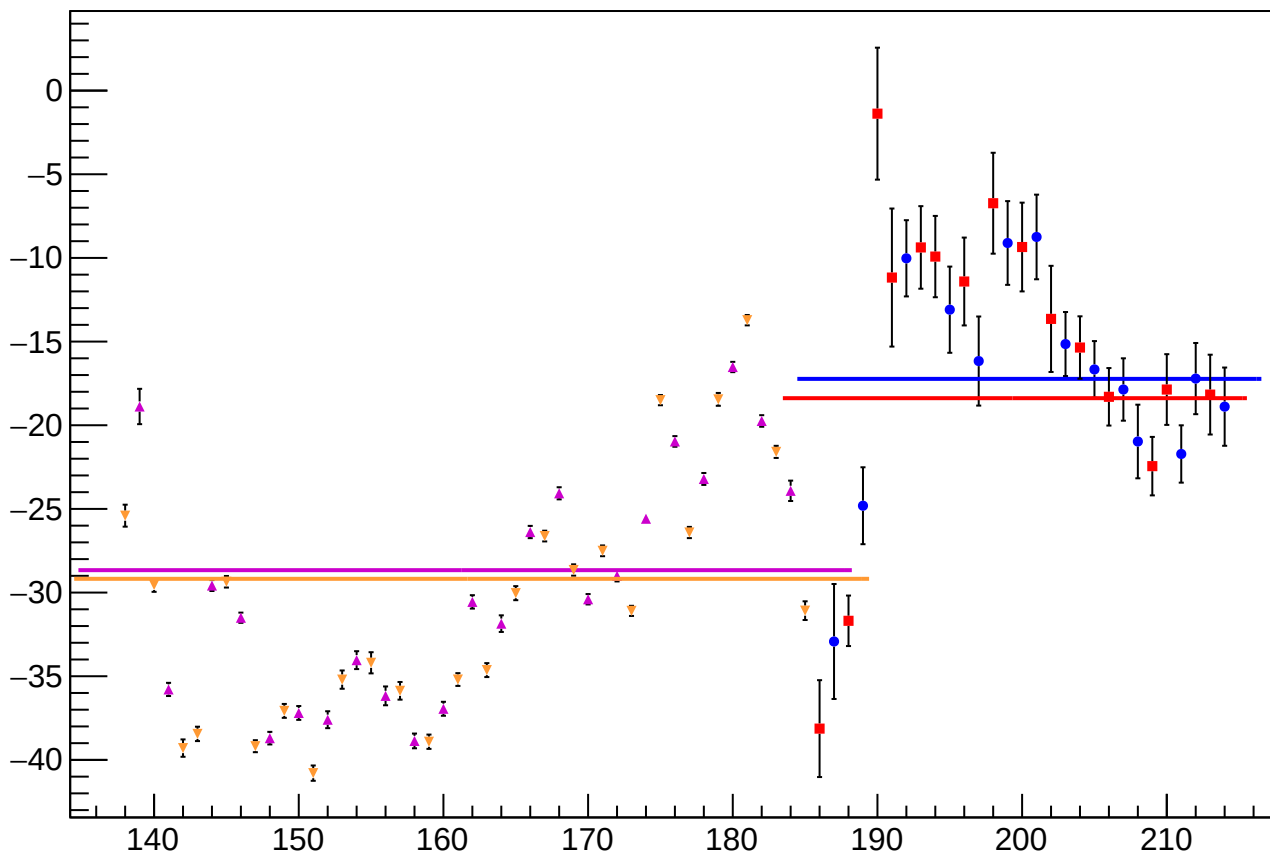
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

+ sign 30.402 $\pm$ 0.085 χ^2 /NDF: 22485.5/38

All: 30.287 $\pm$ 0.060 χ^2 /NDF: 43976.7/76

- sign 30.170 $\pm$ 0.086 χ^2 /NDF: 21487.5/37

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -17.229 ± 0.584 $\chi^2/\text{NDF}: 77.9/13$

Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$

Right Out: -18.383 ± 0.591 $\chi^2/\text{NDF}: 215.3/14$

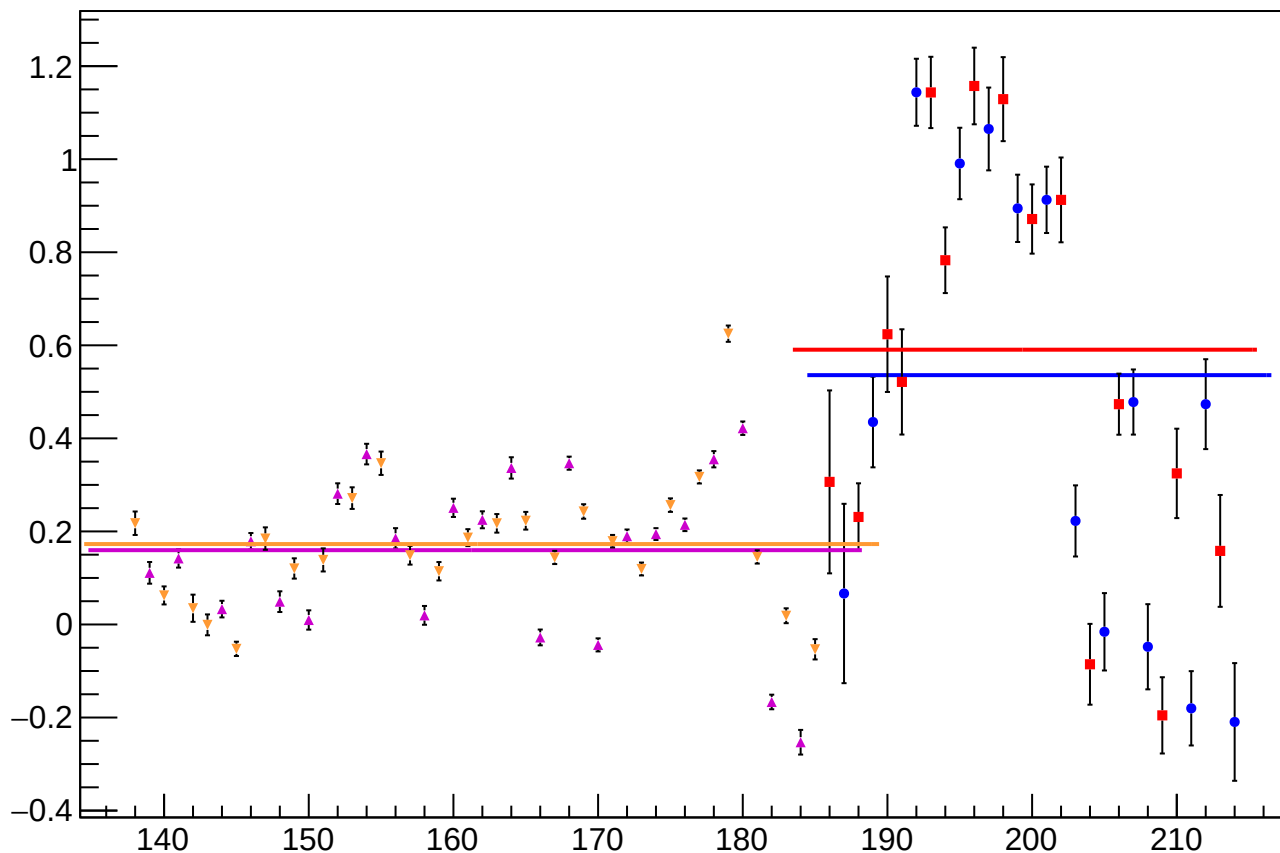
Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

+ sign -28.967 ± 0.077 $\chi^2/\text{NDF}: 9571.0/38$

All: -28.727 ± 0.055 $\chi^2/\text{NDF}: 16773.3/76$

- sign -28.476 ± 0.079 $\chi^2/\text{NDF}: 7182.6/37$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.536 ± 0.023 χ^2/NDF : 418.8/13

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.591 ± 0.022 χ^2/NDF : 372.8/14

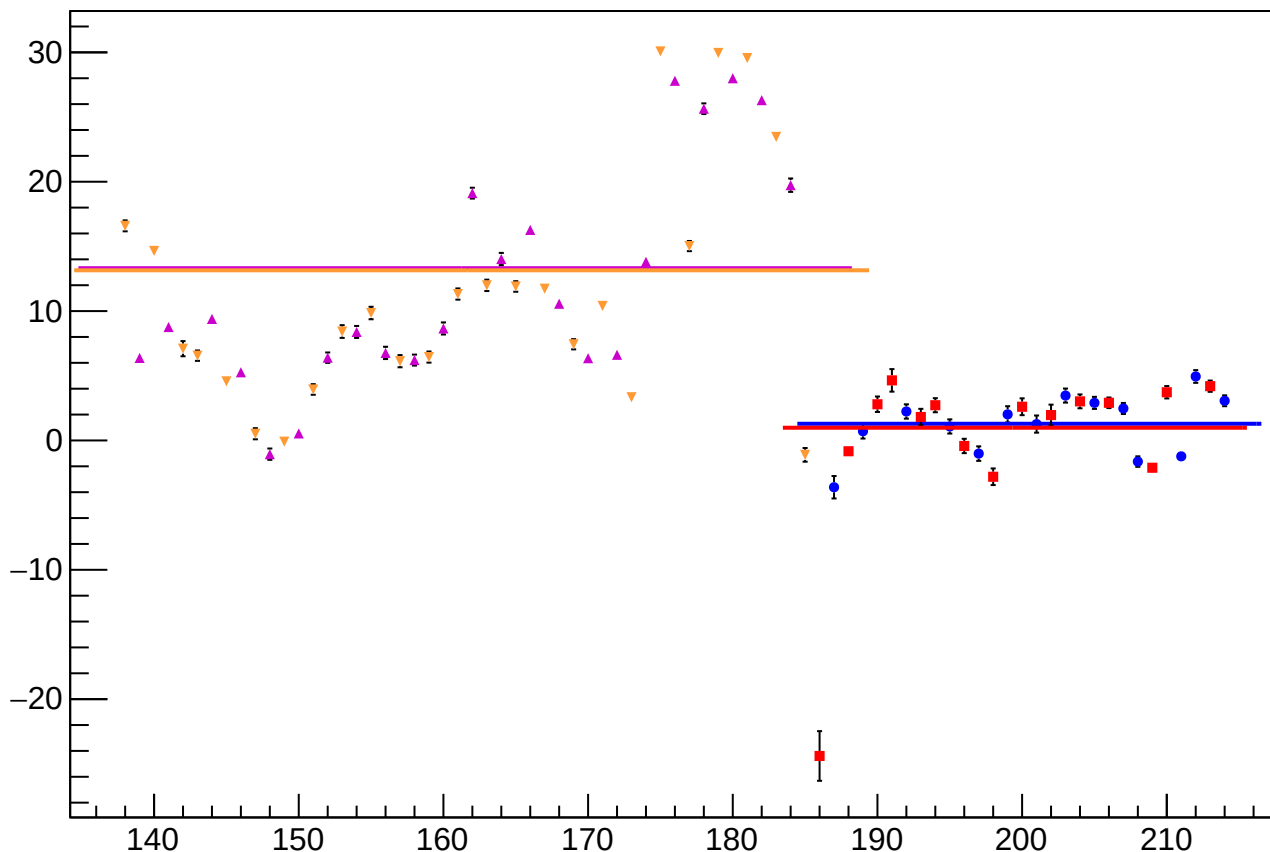
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.182 ± 0.004 χ^2/NDF : 2151.1/38

All: 0.176 ± 0.003 χ^2/NDF : 4946.8/76

- sign 0.171 ± 0.004 χ^2/NDF : 2791.1/37

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.290 $\pm$ 0.135 χ^2 /NDF: 258.3/13

Left Out: 13.153 $\pm$ 0.075 χ^2 /NDF:17079.7/24

Right Out: 0.983 $\pm$ 0.129 χ^2 /NDF: 512.0/14

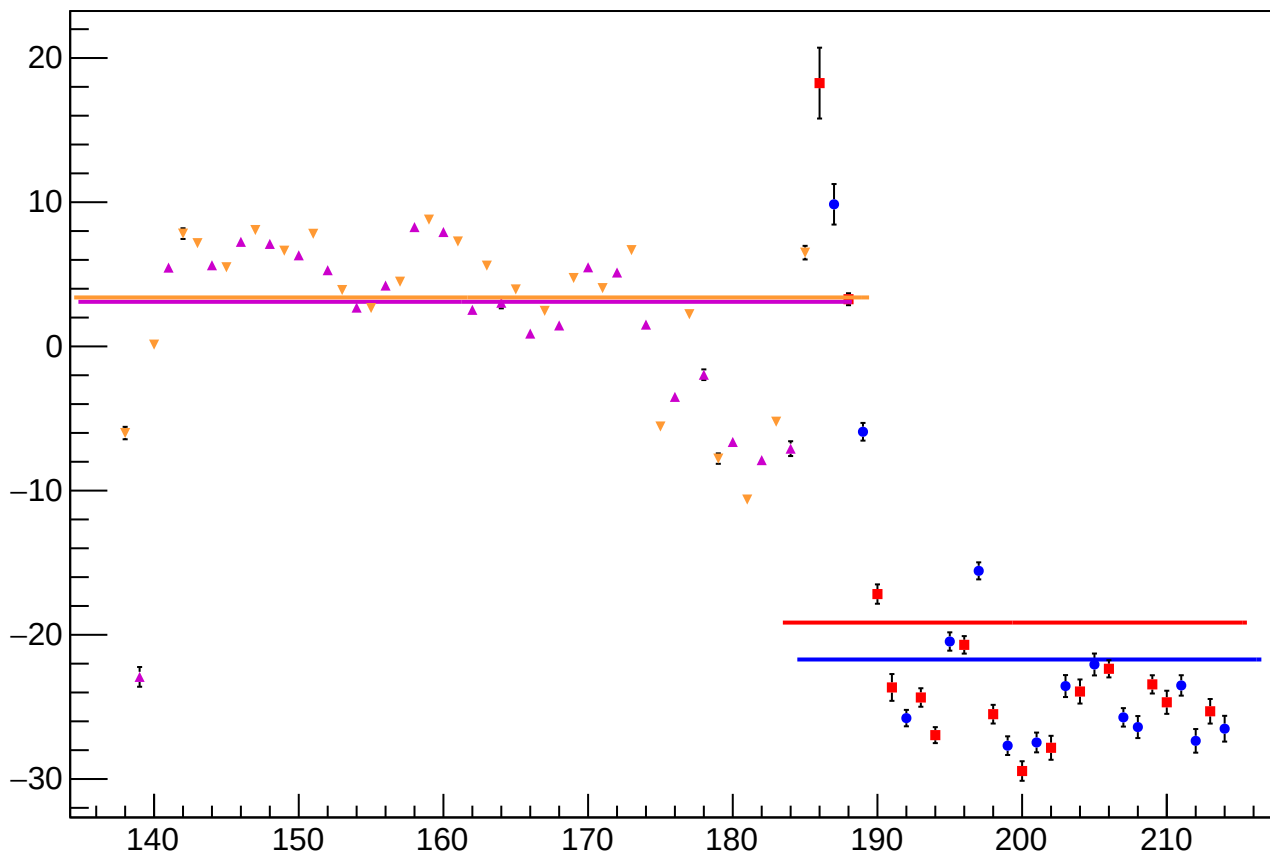
Left In: 13.315 $\pm$ 0.077 χ^2 /NDF:13977.7/22

+ sign 10.330 $\pm$ 0.066 χ^2 /NDF: 23258.0/38

All: 10.197 $\pm$ 0.047 χ^2 /NDF: 44504.2/76

- sign 10.062 $\pm$ 0.066 χ^2 /NDF: 21237.9/37

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -21.712 ± 0.188 $\chi^2/\text{NDF}: 1650.2/13$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -19.152 ± 0.173 $\chi^2/\text{NDF}: 4105.5/14$

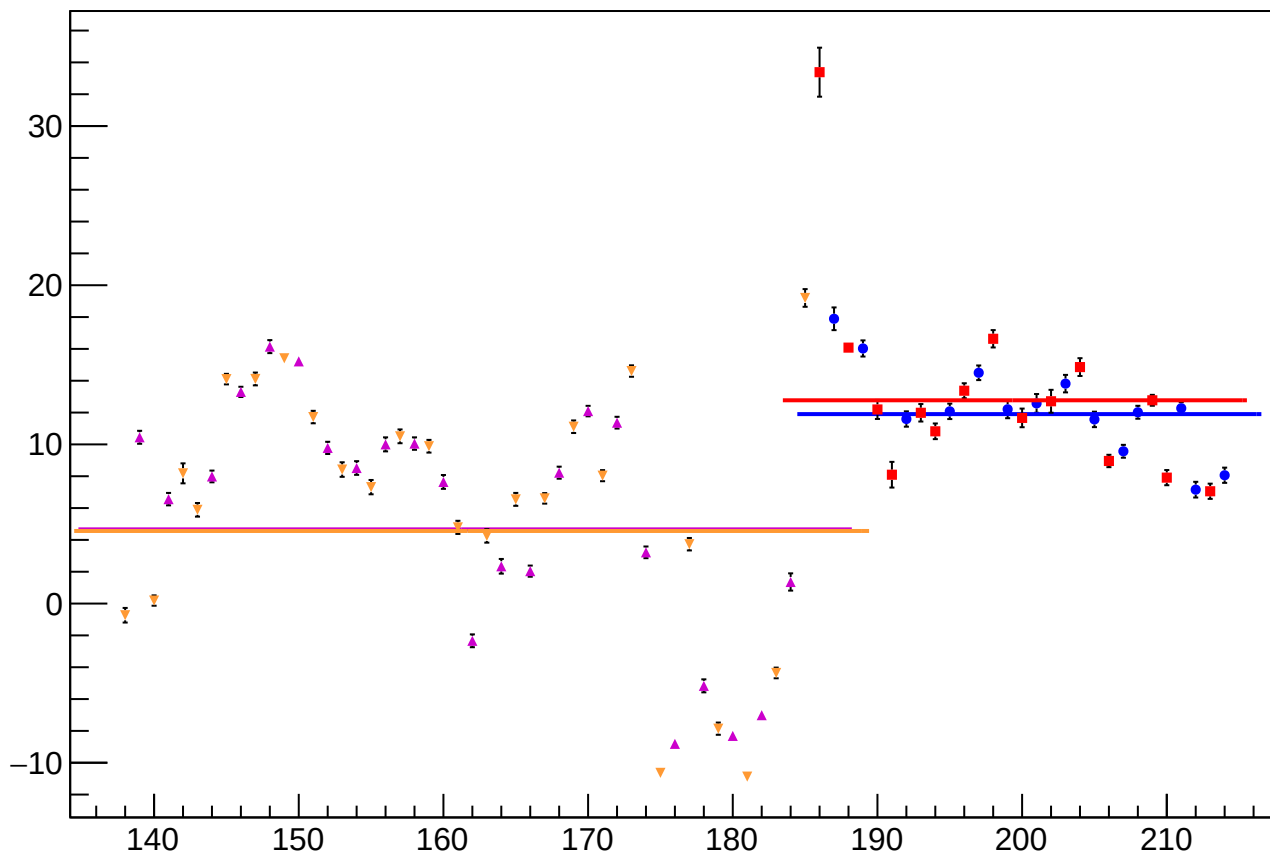
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 1.177 ± 0.056 $\chi^2/\text{NDF}: 26098.5/38$

All: 0.926 ± 0.040 $\chi^2/\text{NDF}: 52091.4/76$

- sign 0.661 ± 0.057 $\chi^2/\text{NDF}: 25951.1/37$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 11.903 $\pm$ 0.129 χ^2 /NDF: 374.5/13

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 12.771 $\pm$ 0.118 χ^2 /NDF: 852.9/14

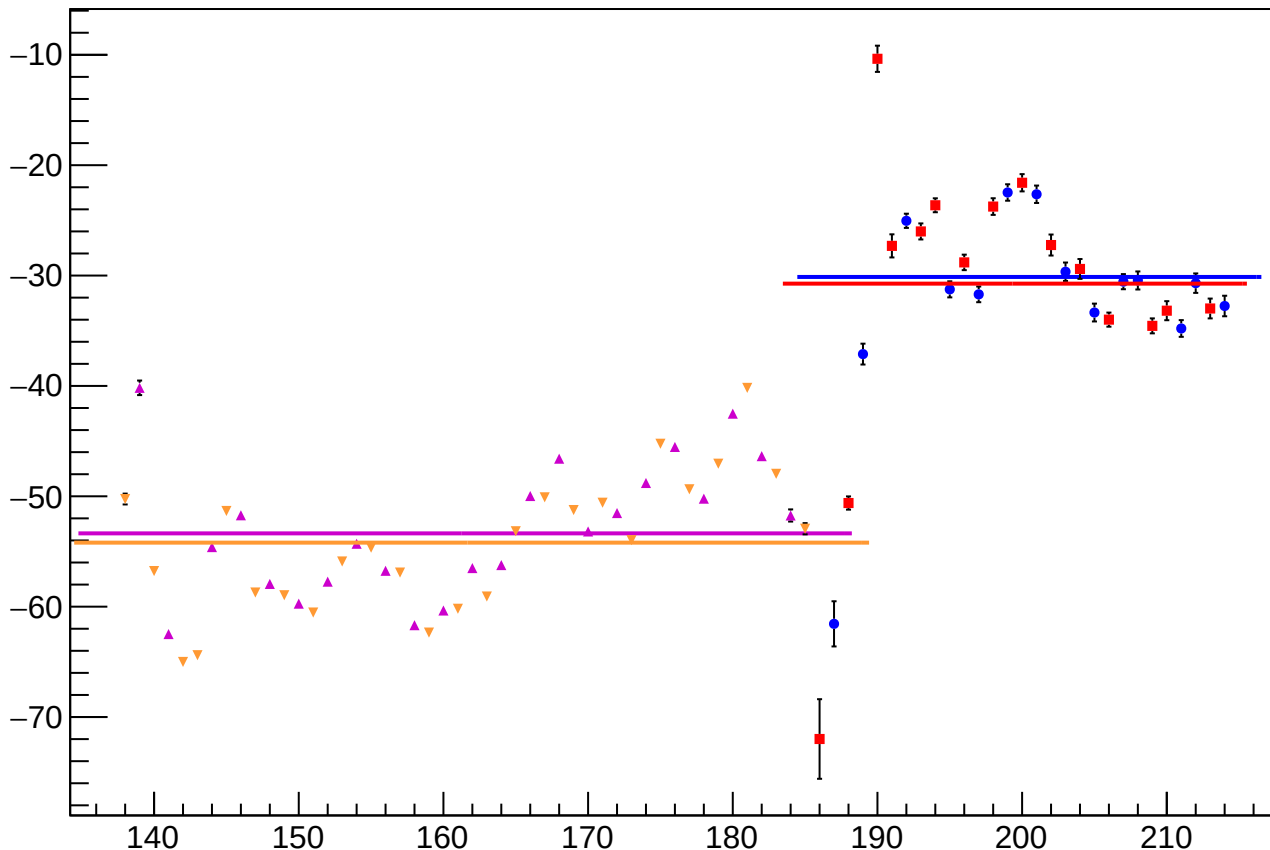
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 6.432 $\pm$ 0.065 χ^2 /NDF: 16383.7/38

All: 6.750 $\pm$ 0.046 χ^2 /NDF: 31862.8/76

- sign 7.061 $\pm$ 0.064 χ^2 /NDF: 15431.9/37

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -30.126 ± 0.214 χ^2/NDF : 619.4/13

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -30.732 ± 0.205 χ^2/NDF : 2023.8/14

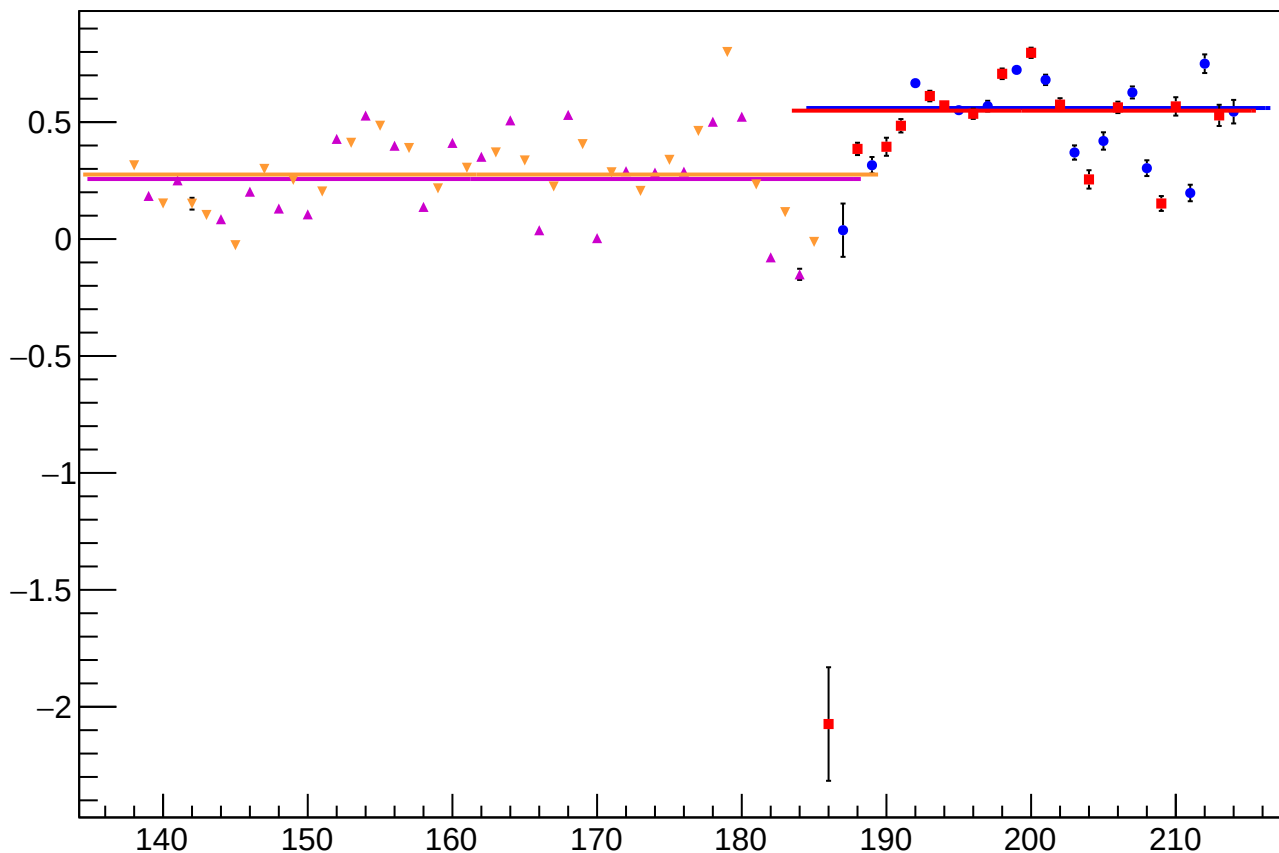
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -52.085 ± 0.063 χ^2/NDF : 20616.9/38

All: -51.595 ± 0.045 χ^2/NDF : 40634.1/76

- sign -51.081 ± 0.065 χ^2/NDF : 19894.8/37

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.560 ± 0.008 χ^2/NDF : 430.6/13

Left Out: 0.276 ± 0.003 χ^2/NDF : 2623.6/24

Right Out: 0.549 ± 0.007 χ^2/NDF : 575.1/14

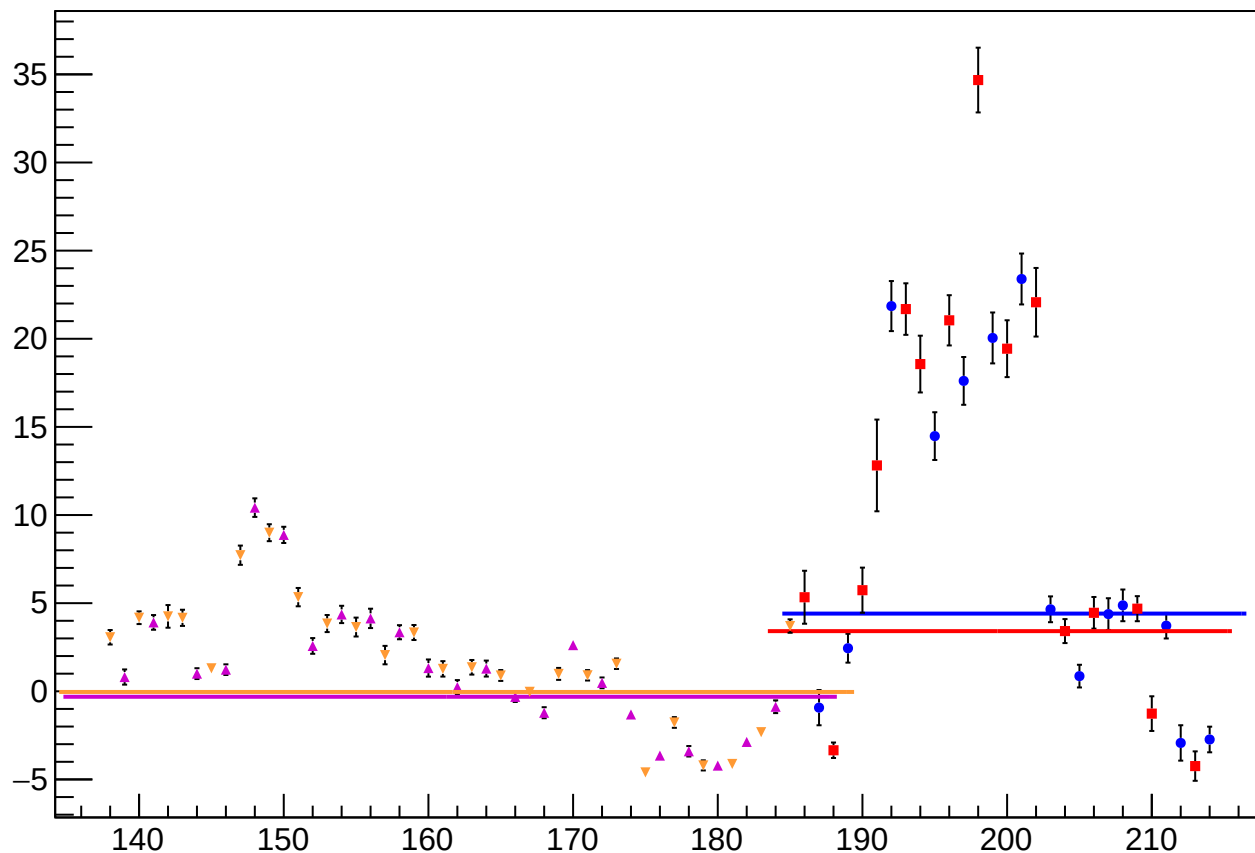
Left In: 0.257 ± 0.003 χ^2/NDF : 3623.9/22

+ sign 0.316 ± 0.003 χ^2/NDF : 4275.8/38

All: 0.310 ± 0.002 χ^2/NDF : 9927.1/76

- sign 0.304 ± 0.003 χ^2/NDF : 5643.0/37

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 4.408 ± 0.246 $\chi^2/\text{NDF}: 806.8/13$

Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$

Right Out: 3.413 ± 0.246 $\chi^2/\text{NDF}: 1244.3/14$

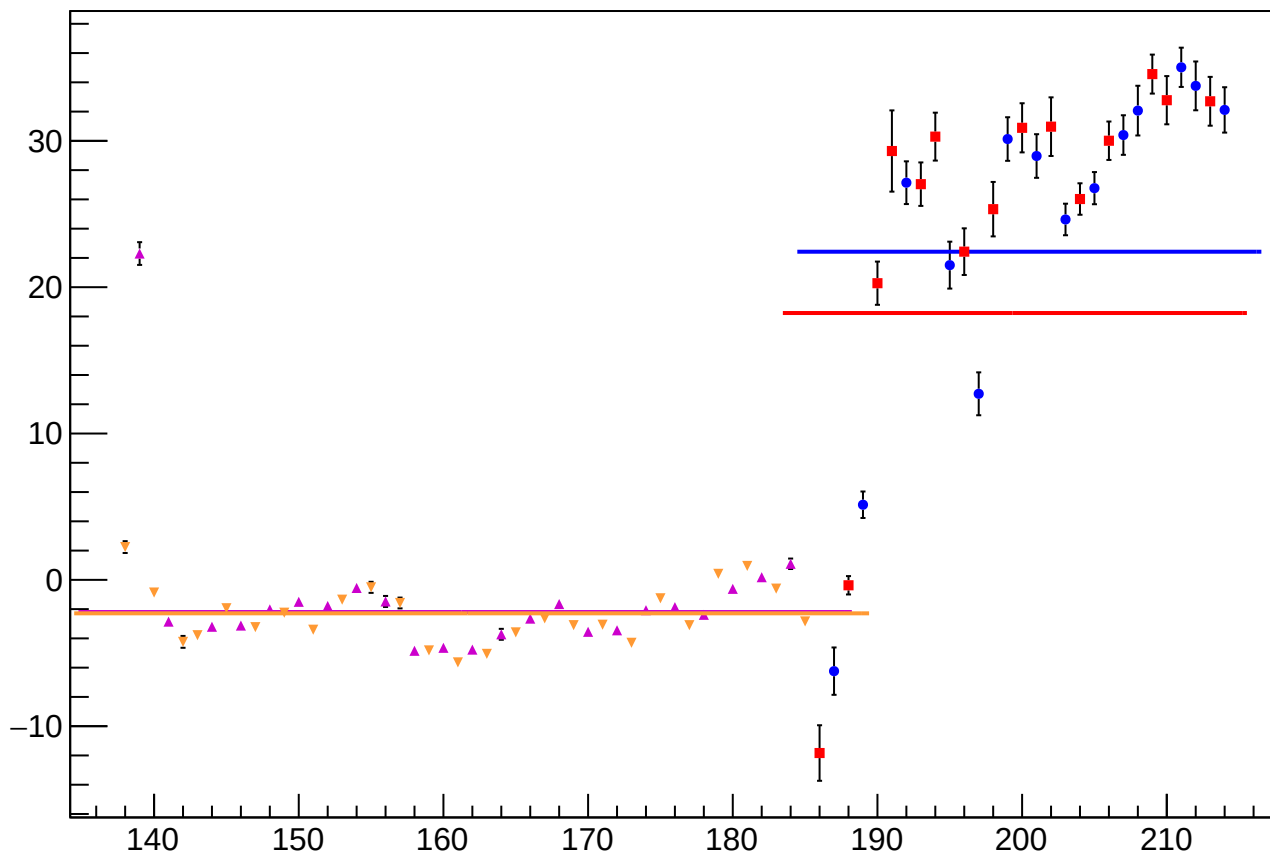
Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

+ sign 0.262 ± 0.064 $\chi^2/\text{NDF}: 3750.0/38$

All: 0.109 ± 0.045 $\chi^2/\text{NDF}: 7469.7/76$

- sign -0.051 ± 0.065 $\chi^2/\text{NDF}: 3707.9/37$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 22.425 ± 0.359 $\chi^2/\text{NDF}: 1039.7/13$

Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$

Right Out: 18.235 ± 0.348 $\chi^2/\text{NDF}: 1791.5/14$

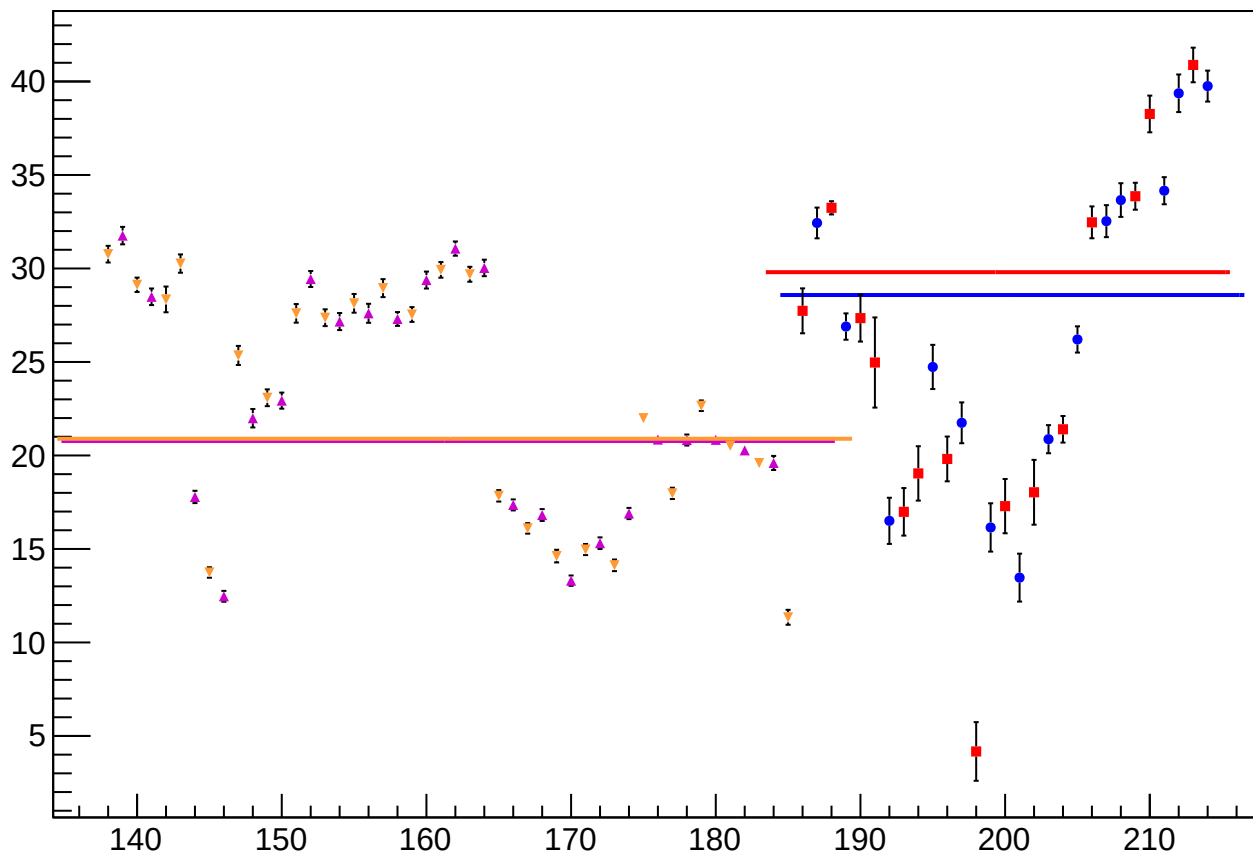
Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -1.740 ± 0.054 $\chi^2/\text{NDF}: 6798.8/38$

All: -1.720 ± 0.038 $\chi^2/\text{NDF}: 13625.7/76$

- sign -1.699 ± 0.054 $\chi^2/\text{NDF}: 6826.6/37$

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 28.581 ± 0.238 $\chi^2/\text{NDF}: 930.9/13$

Left Out: 20.894 ± 0.067 $\chi^2/\text{NDF}: 6655.4/24$

Right Out: 29.802 ± 0.224 $\chi^2/\text{NDF}: 1117.4/14$

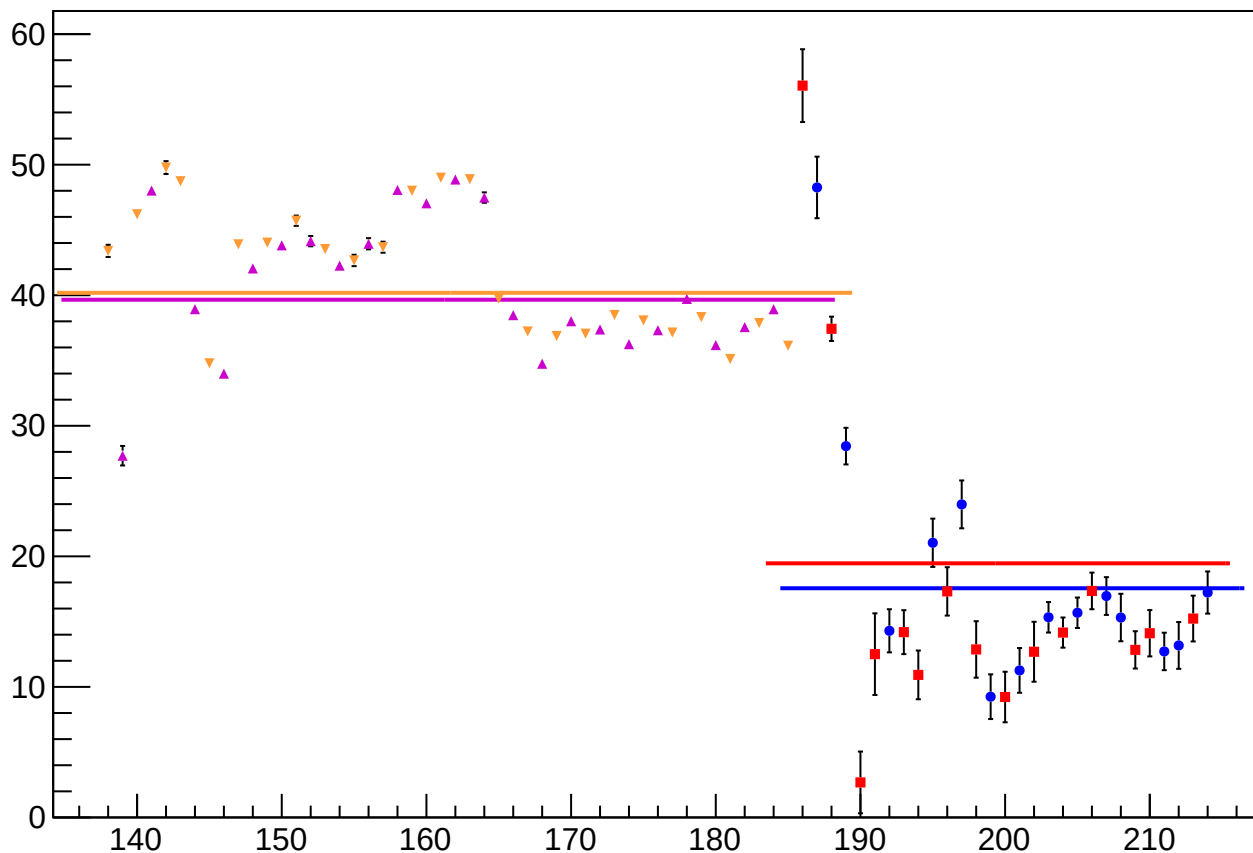
Left In: 20.774 ± 0.068 $\chi^2/\text{NDF}: 5927.9/22$

+ sign 21.454 ± 0.064 $\chi^2/\text{NDF}: 8553.5/38$

All: 21.491 ± 0.046 $\chi^2/\text{NDF}: 17091.3/76$

- sign 21.528 ± 0.065 $\chi^2/\text{NDF}: 8537.2/37$

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 17.557 ± 0.417 χ^2/NDF : 311.8/13

Left Out: 40.186 ± 0.060 χ^2/NDF : 5932.7/24

Right Out: 19.465 ± 0.424 χ^2/NDF : 738.5/14

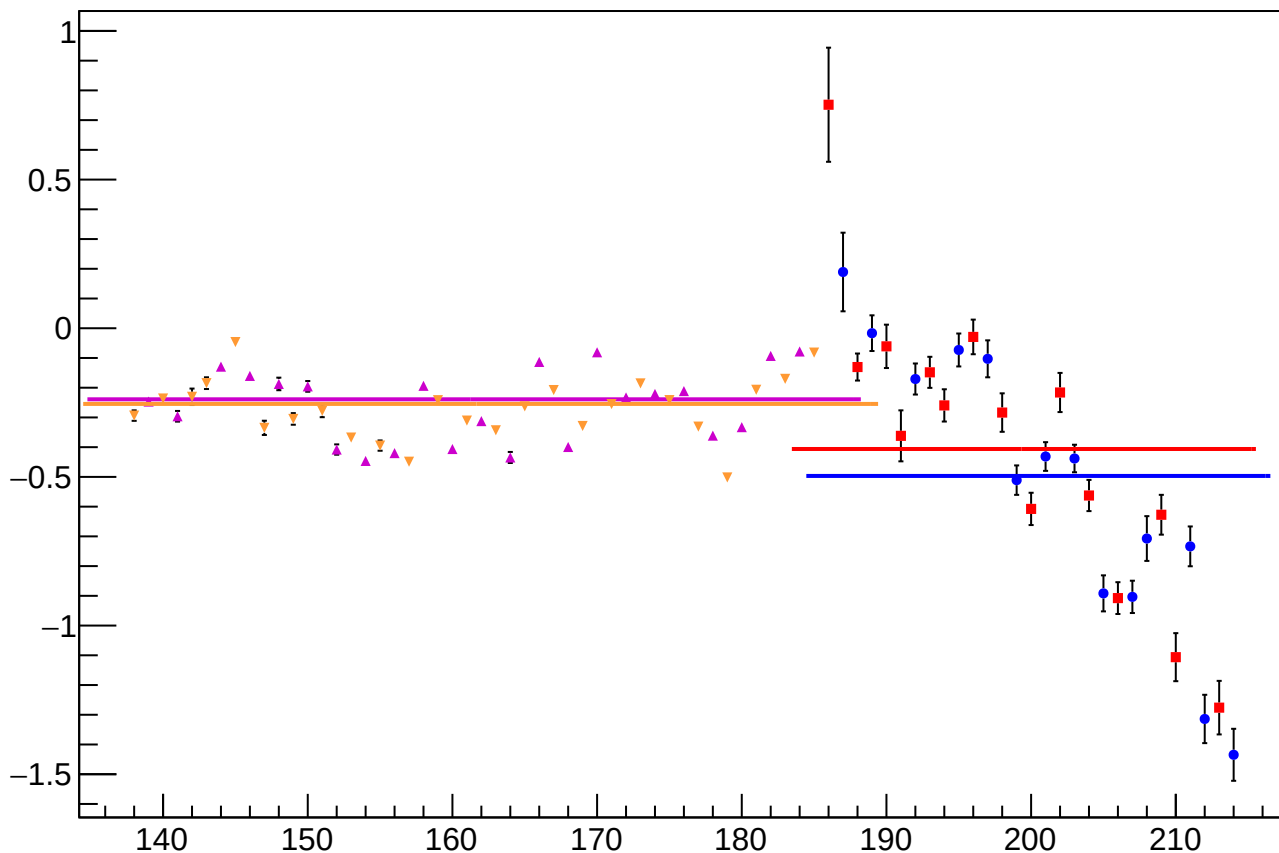
Left In: 39.655 ± 0.061 χ^2/NDF : 5298.6/22

+ sign 39.721 ± 0.060 χ^2/NDF : 9131.1/38

All: 39.485 ± 0.043 χ^2/NDF : 17420.1/76

- sign 39.240 ± 0.061 χ^2/NDF : 8257.2/37

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.497 ± 0.016 χ^2/NDF : 567.0/13

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.406 ± 0.016 χ^2/NDF : 471.2/14

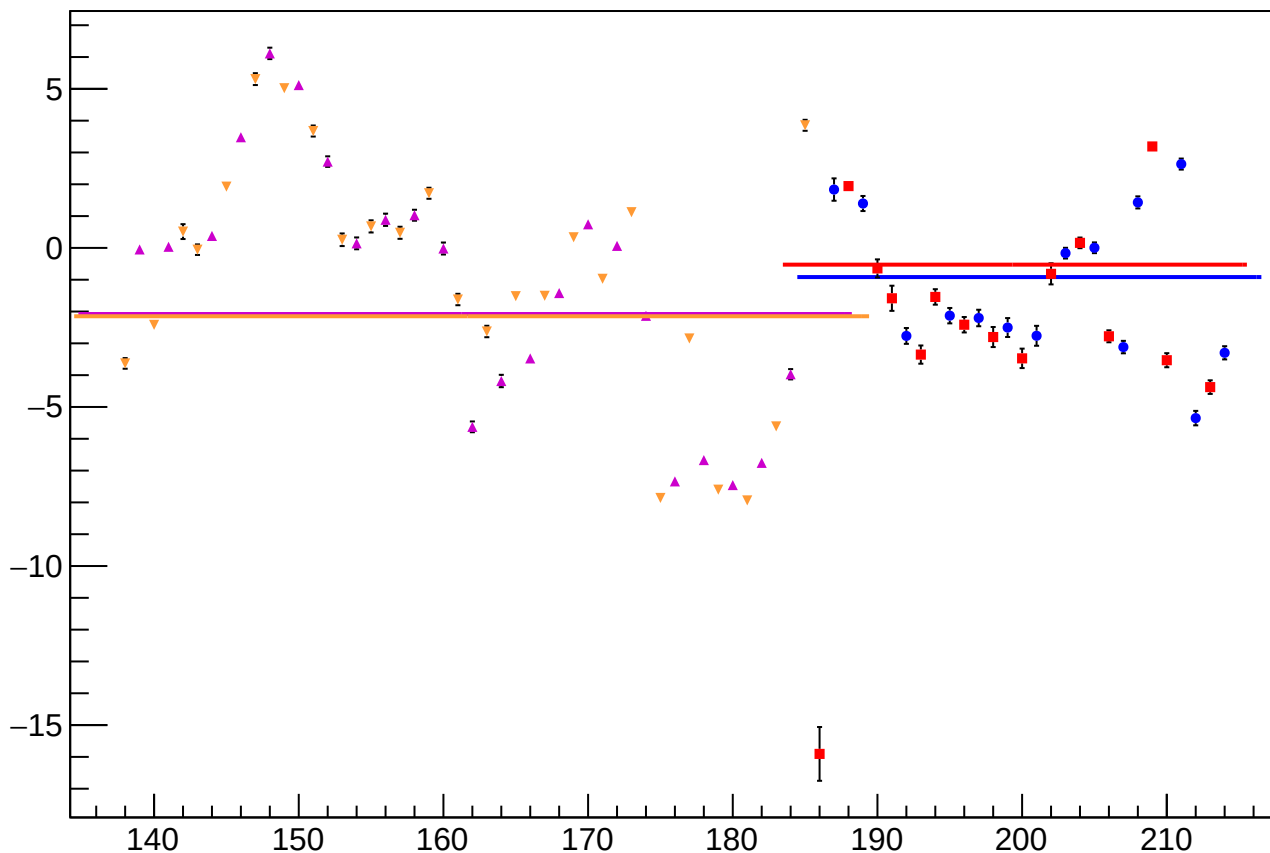
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.261 ± 0.003 χ^2/NDF : 2208.7/38

All: -0.253 ± 0.002 χ^2/NDF : 4555.7/76

- sign -0.244 ± 0.003 χ^2/NDF : 2326.2/37

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.917 ± 0.058 χ^2/NDF : 1582.9/13

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.526 ± 0.055 χ^2/NDF : 2389.3/14

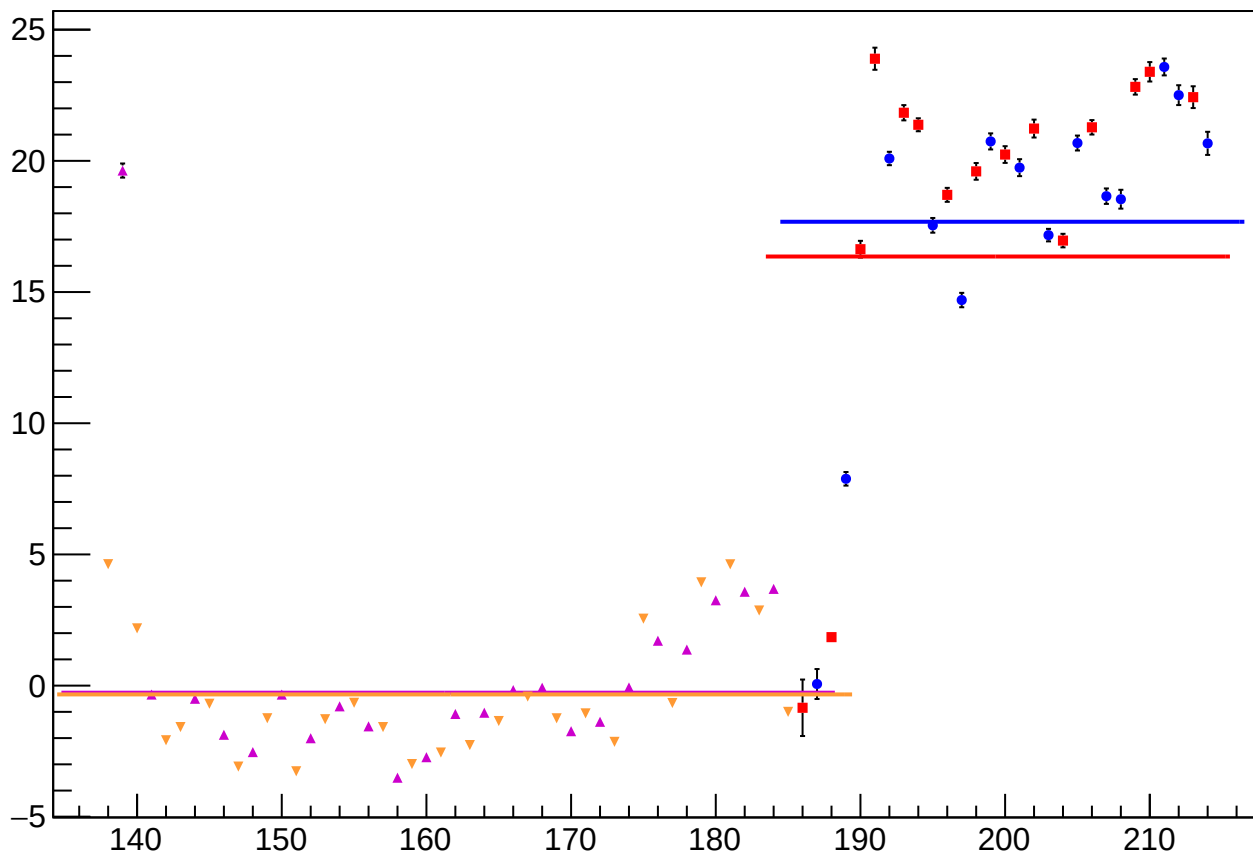
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -1.949 ± 0.023 χ^2/NDF : 26494.3/38

All: -1.873 ± 0.017 χ^2/NDF : 52792.1/76

- sign -1.797 ± 0.024 χ^2/NDF : 26277.0/37

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 17.679 ± 0.082 $\chi^2/\text{NDF}: 3407.9/13$

Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$

Right Out: 16.354 ± 0.075 $\chi^2/\text{NDF}: 11334.0/14$

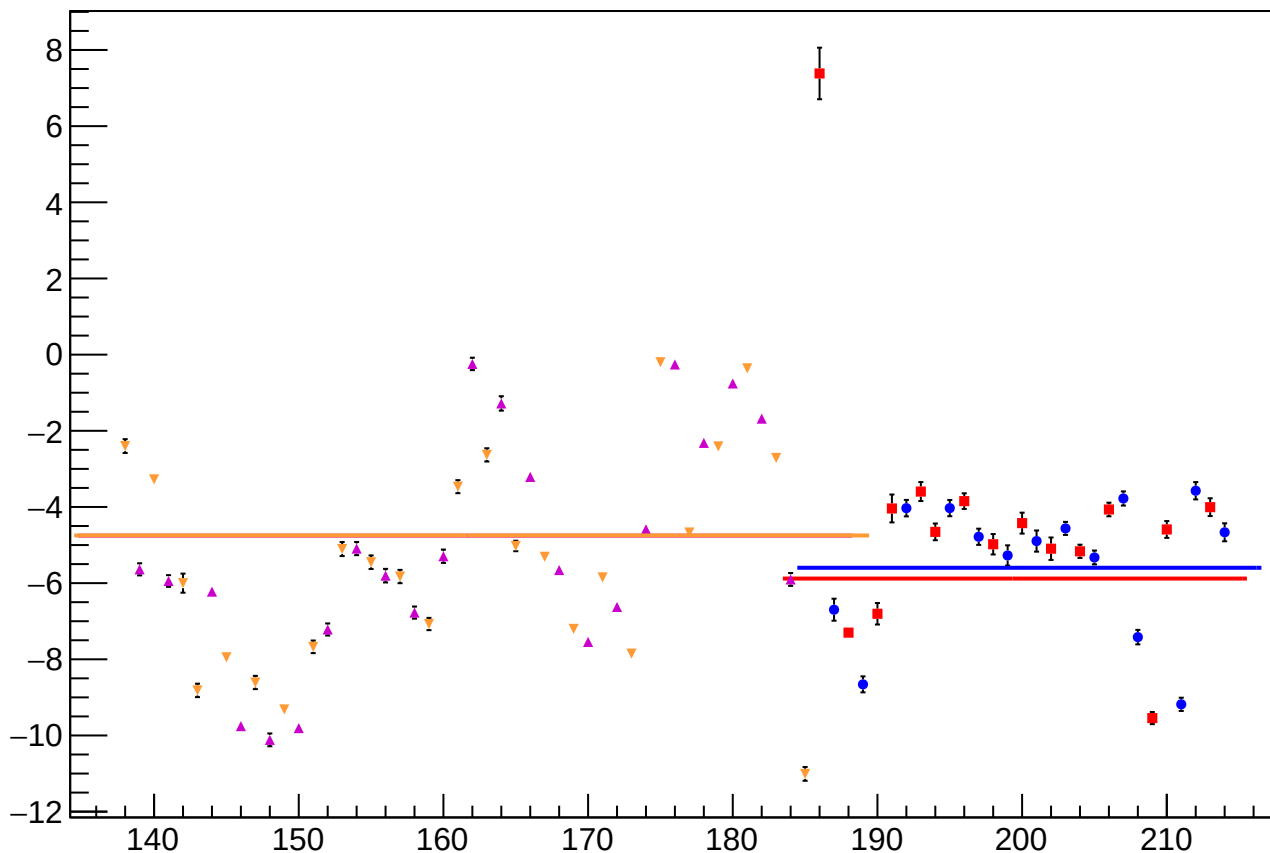
Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

+ sign 0.744 ± 0.020 $\chi^2/\text{NDF}: 61895.3/38$

All: 0.839 ± 0.014 $\chi^2/\text{NDF}: 132225.1/76$

- sign 0.935 ± 0.020 $\chi^2/\text{NDF}: 70284.7/37$

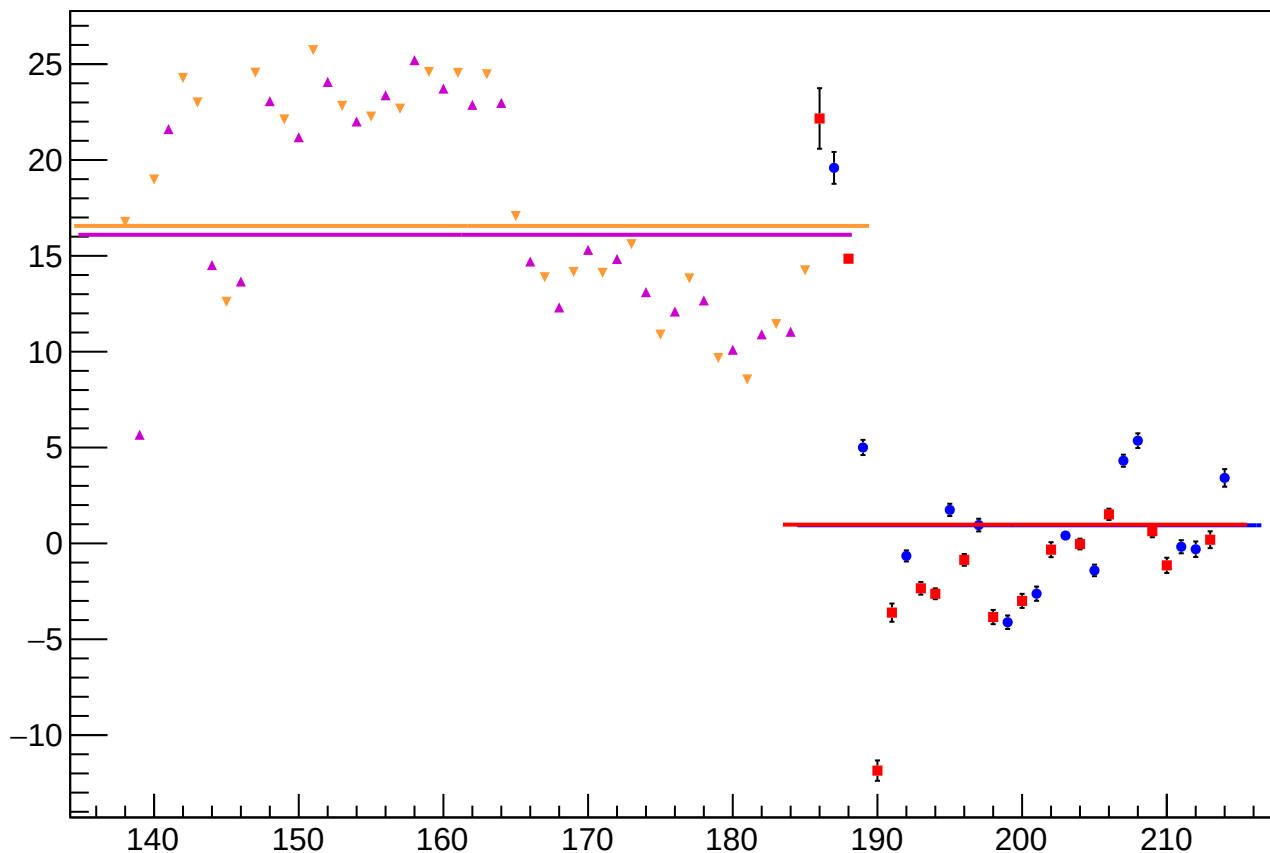
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.597 ± 0.056 $\chi^2/\text{NDF}: 1100.0/13$
 Left Out: -4.748 ± 0.026 $\chi^2/\text{NDF}: 13289.8/24$
 Right Out: -5.880 ± 0.051 $\chi^2/\text{NDF}: 1678.4/14$
 Left In: -4.753 ± 0.026 $\chi^2/\text{NDF}: 14119.2/22$

+ sign -4.897 ± 0.023 $\chi^2/\text{NDF}: 14578.7/38$
 All: -4.944 ± 0.017 $\chi^2/\text{NDF}: 30775.4/76$
 - sign -4.990 ± 0.023 $\chi^2/\text{NDF}: 16188.6/37$

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 0.945 ± 0.093 $\chi^2/\text{NDF}: 1303.2/13$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 0.979 ± 0.089 $\chi^2/\text{NDF}: 5020.0/14$

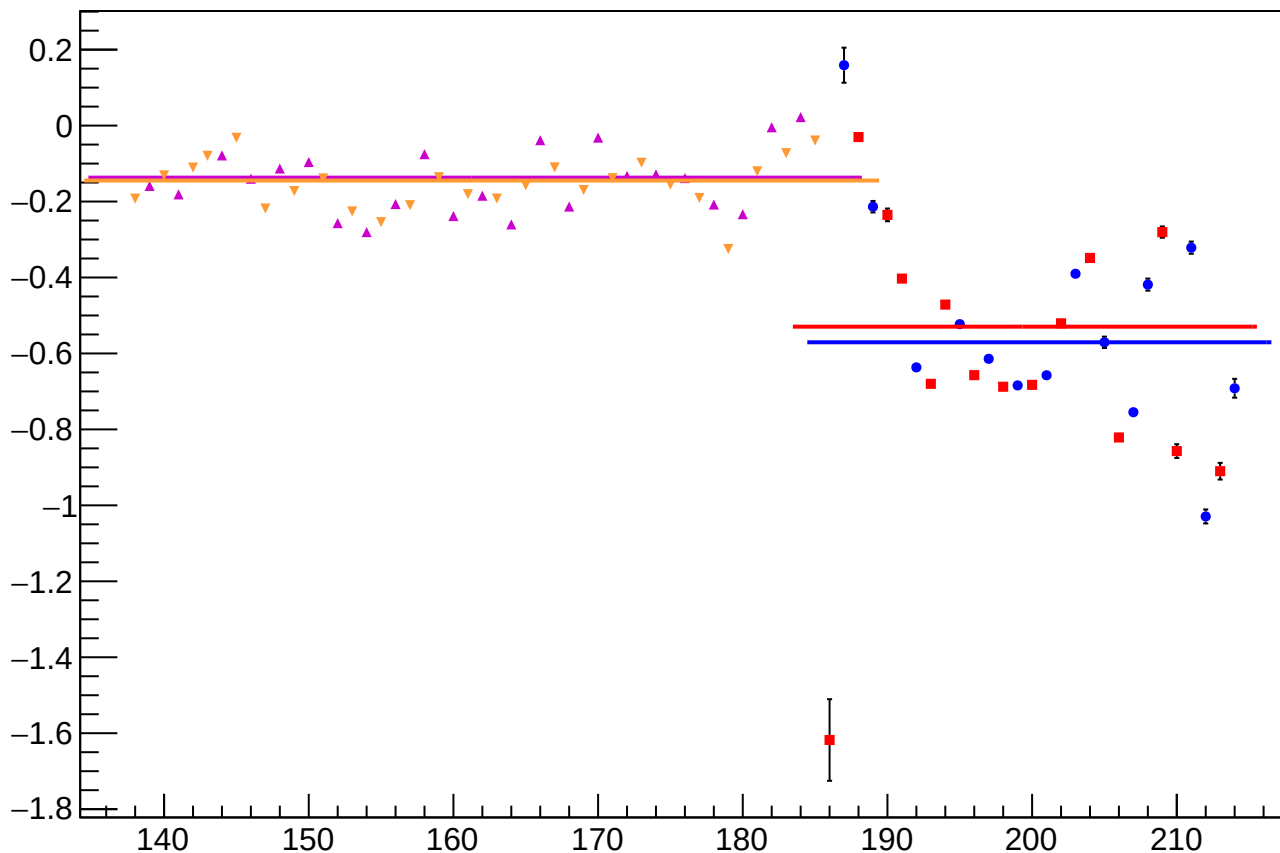
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 15.651 ± 0.022 $\chi^2/\text{NDF}: 81733.9/38$

All: 15.384 ± 0.016 $\chi^2/\text{NDF}: 156331.5/76$

- sign 15.109 ± 0.023 $\chi^2/\text{NDF}: 74310.4/37$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.571 ± 0.003 χ^2/NDF : 2662.6/13

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.529 ± 0.003 χ^2/NDF : 5485.4/14

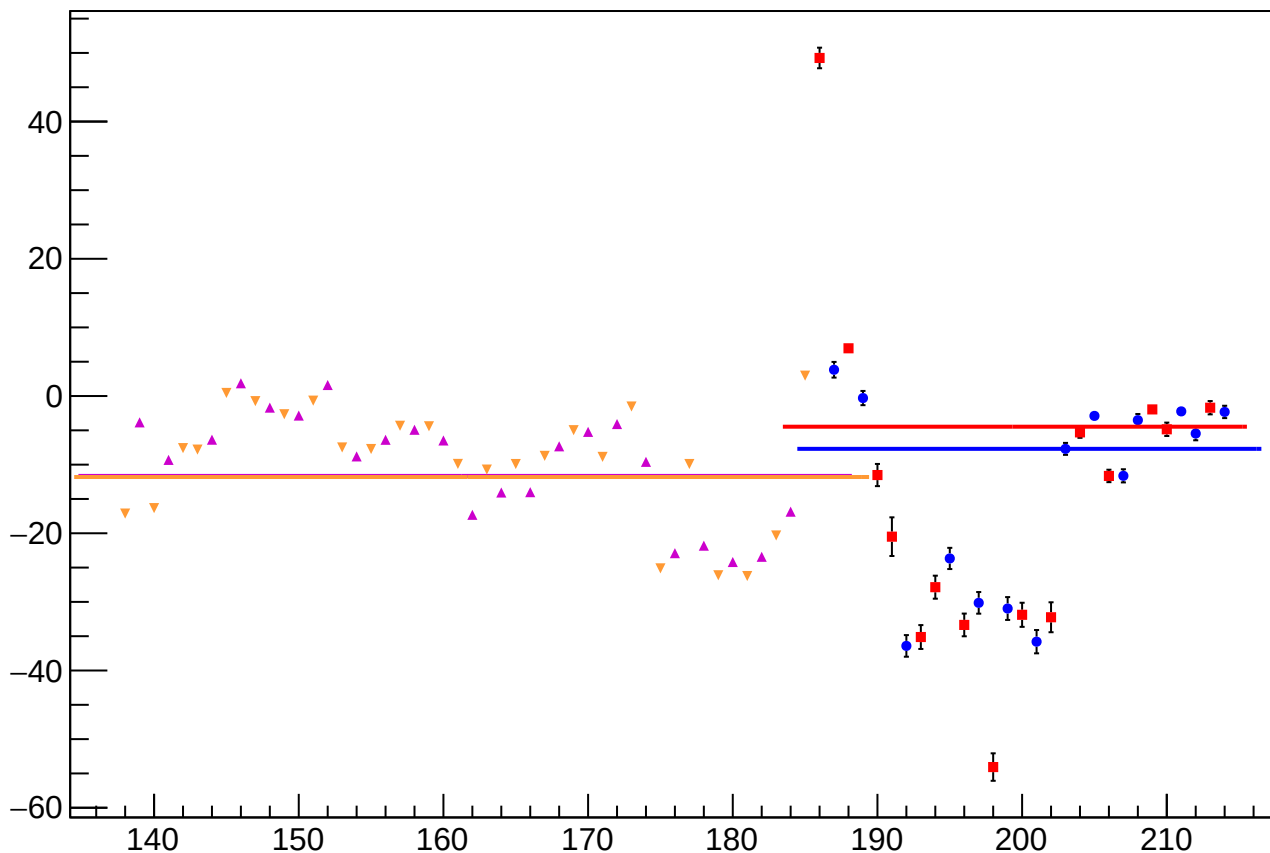
Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

+ sign -0.183 ± 0.001 χ^2/NDF : 21307.3/38

All: -0.181 ± 0.001 χ^2/NDF : 46493.0/76

- sign -0.179 ± 0.001 χ^2/NDF : 25175.6/37

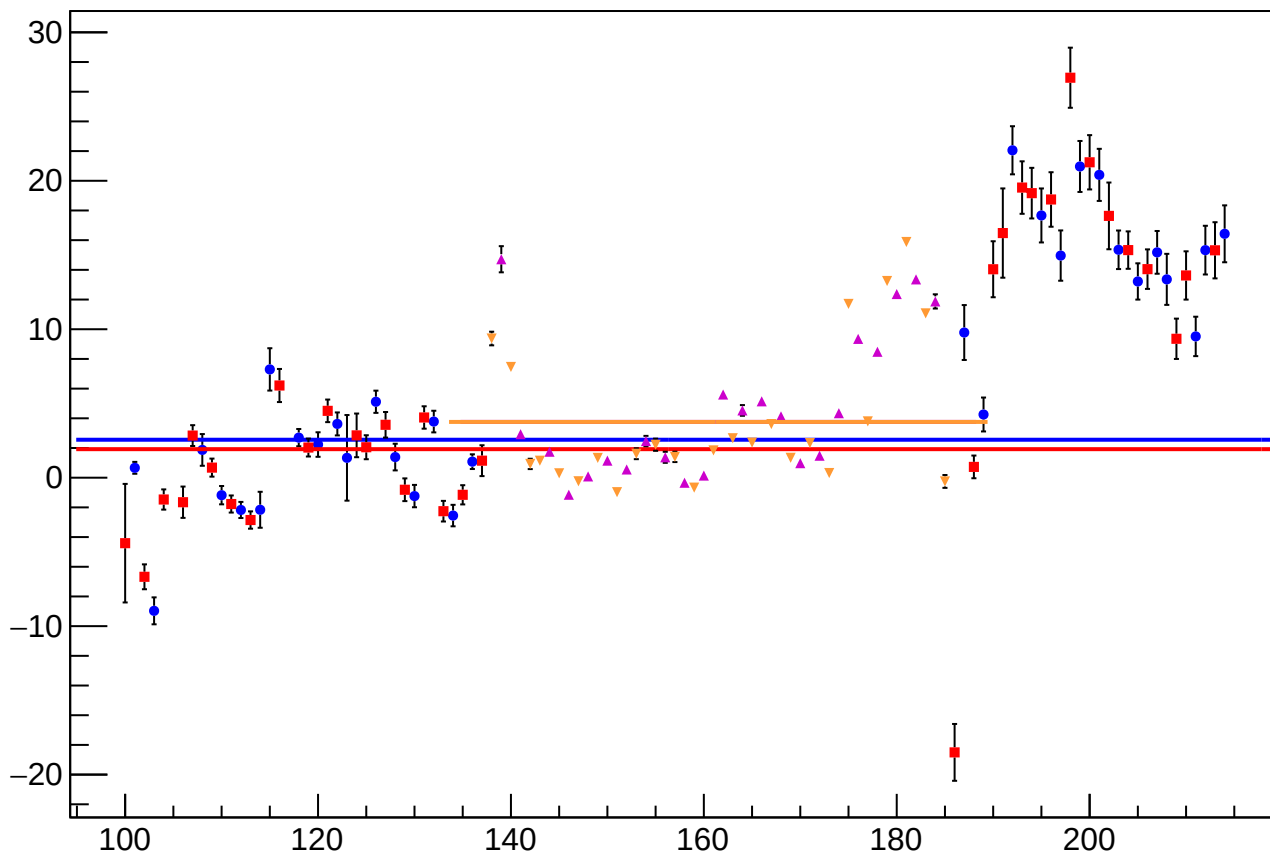
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -7.697 ± 0.273 χ^2/NDF : 1444.9/13
 Left Out: -11.801 ± 0.070 χ^2/NDF : 17308.2/24
 Right Out: -4.470 ± 0.276 χ^2/NDF : 3701.6/14
 Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.546 ± 0.068 χ^2/NDF : 18964.8/38
 All: -11.372 ± 0.049 χ^2/NDF : 37432.1/76
 - sign -11.191 ± 0.069 χ^2/NDF : 18453.9/37

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.557 ± 0.157 $\chi^2/\text{NDF}: 1359.0/30$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 1.922 ± 0.160 $\chi^2/\text{NDF}: 1476.5/33$

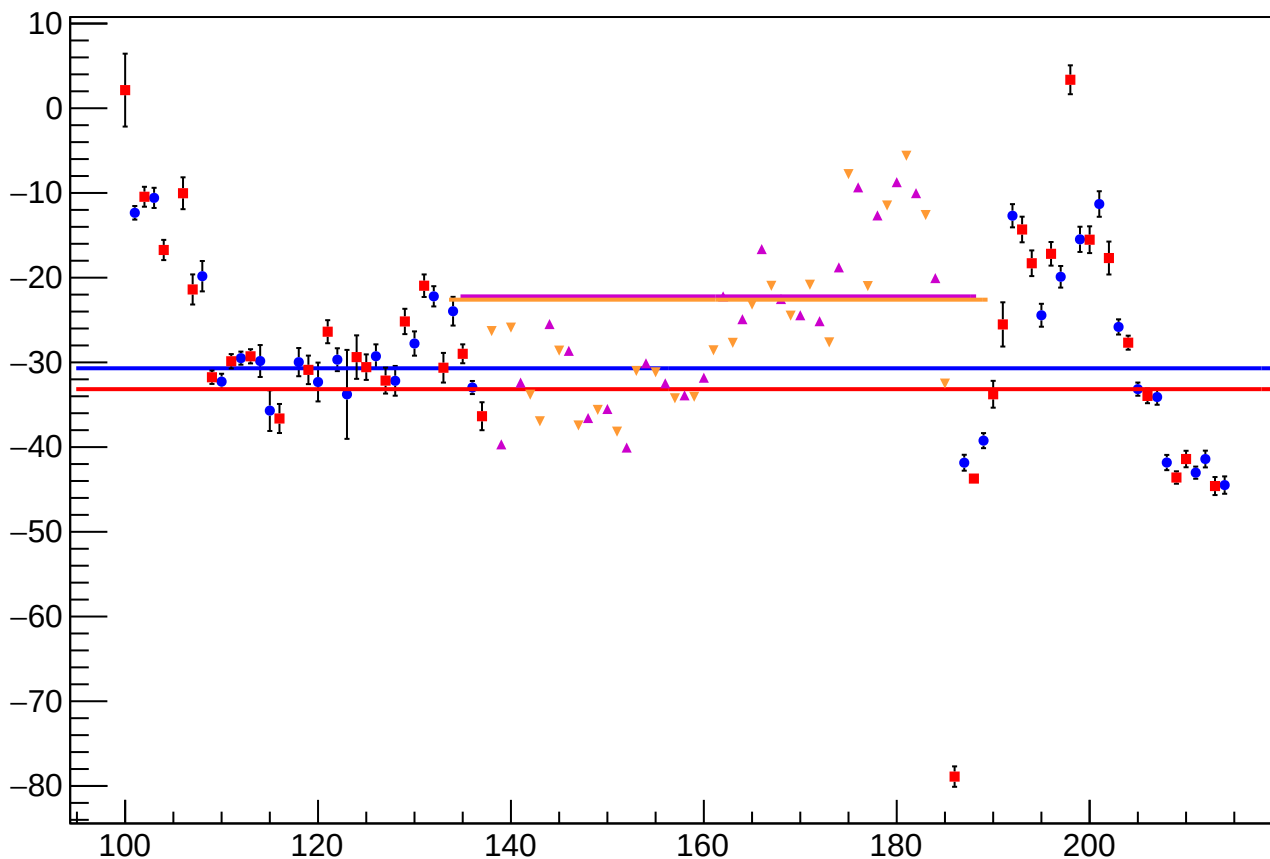
Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

+ sign 3.624 ± 0.052 $\chi^2/\text{NDF}: 8861.4/55$

All: 3.589 ± 0.037 $\chi^2/\text{NDF}: 16085.4/112$

- sign 3.552 ± 0.053 $\chi^2/\text{NDF}: 7223.1/56$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -30.695 ± 0.199 $\chi^2/\text{NDF}: 2505.8/30$

Left Out: -22.598 ± 0.071 $\chi^2/\text{NDF}: 19933.4/24$

Right Out: -33.160 ± 0.193 $\chi^2/\text{NDF}: 4539.1/33$

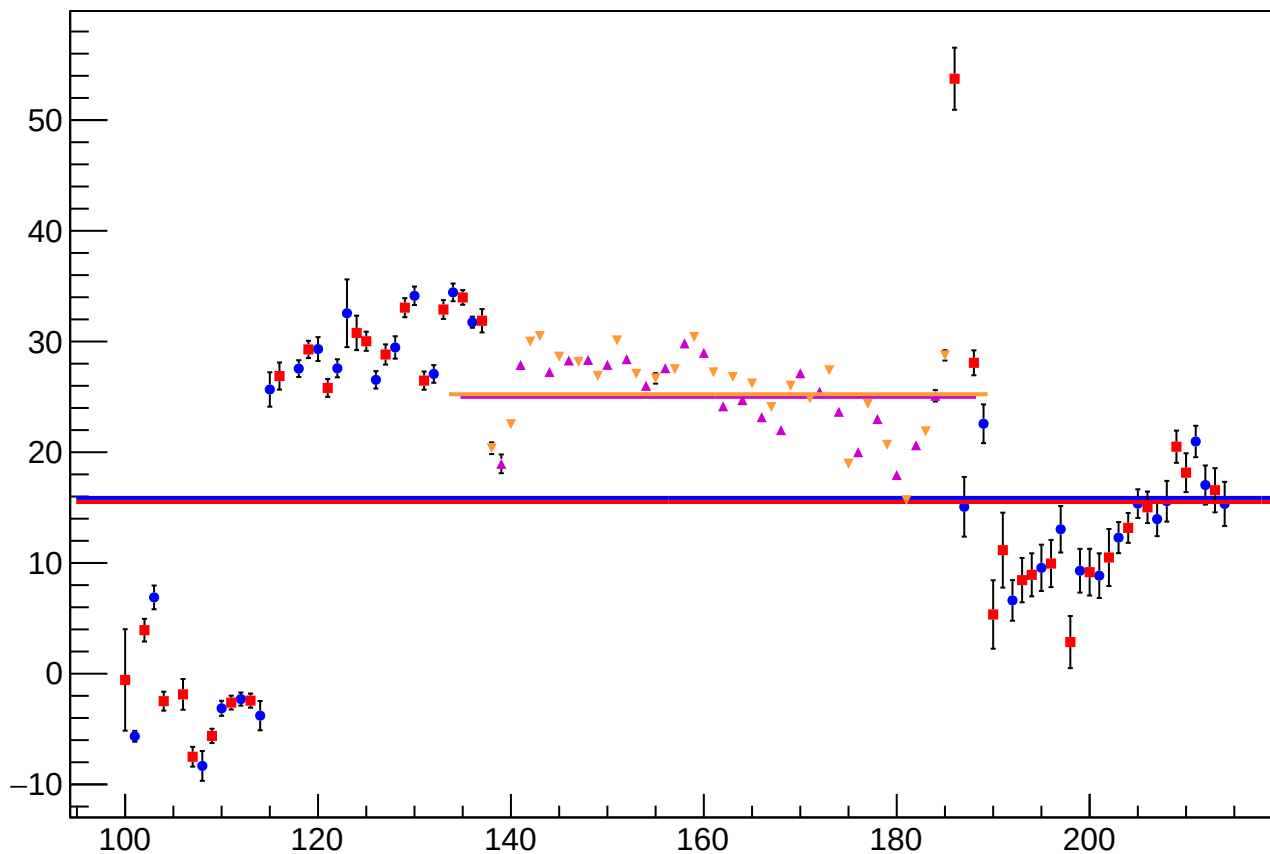
Left In: -22.209 ± 0.072 $\chi^2/\text{NDF}: 17627.4/22$

+ sign -23.506 ± 0.067 $\chi^2/\text{NDF}: 23910.2/55$

All: -23.519 ± 0.047 $\chi^2/\text{NDF}: 48903.7/112$

- sign -23.532 ± 0.067 $\chi^2/\text{NDF}: 24993.4/56$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.877+/-0.178 χ^2/NDF : 7639.7/30

Left Out: 25.242+/-0.063 χ^2/NDF : 3786.5/24

Right Out: 15.507+/-0.182 χ^2/NDF : 7675.6/33

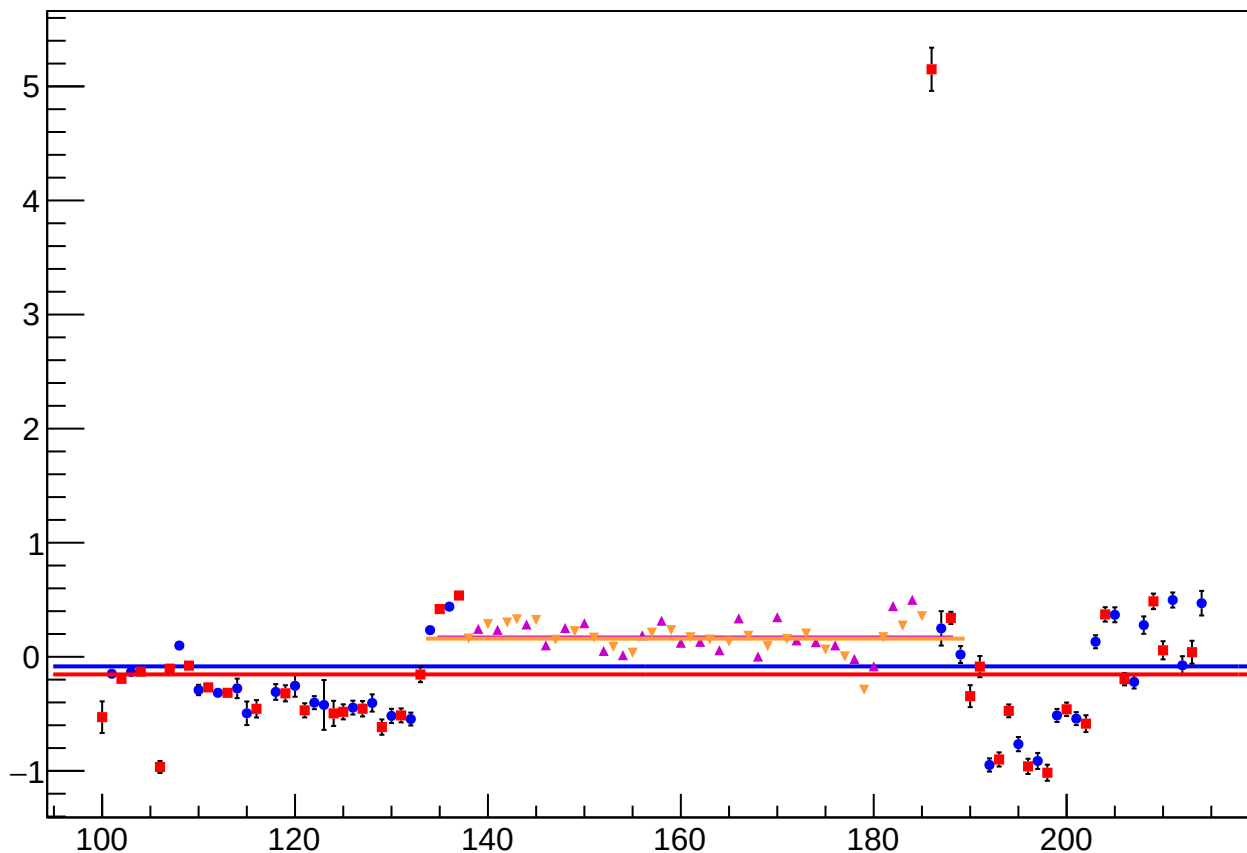
Left In: 25.009+/-0.064 χ^2/NDF : 2722.0/22

+ sign 24.209+/-0.059 χ^2/NDF : 13893.3/55

All: 24.091+/-0.042 χ^2/NDF : 26724.4/112

- sign 23.969+/-0.060 χ^2/NDF : 12823.0/56

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.084 ± 0.009 χ^2/NDF : 1836.2/30

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.154 ± 0.009 χ^2/NDF : 2738.5/33

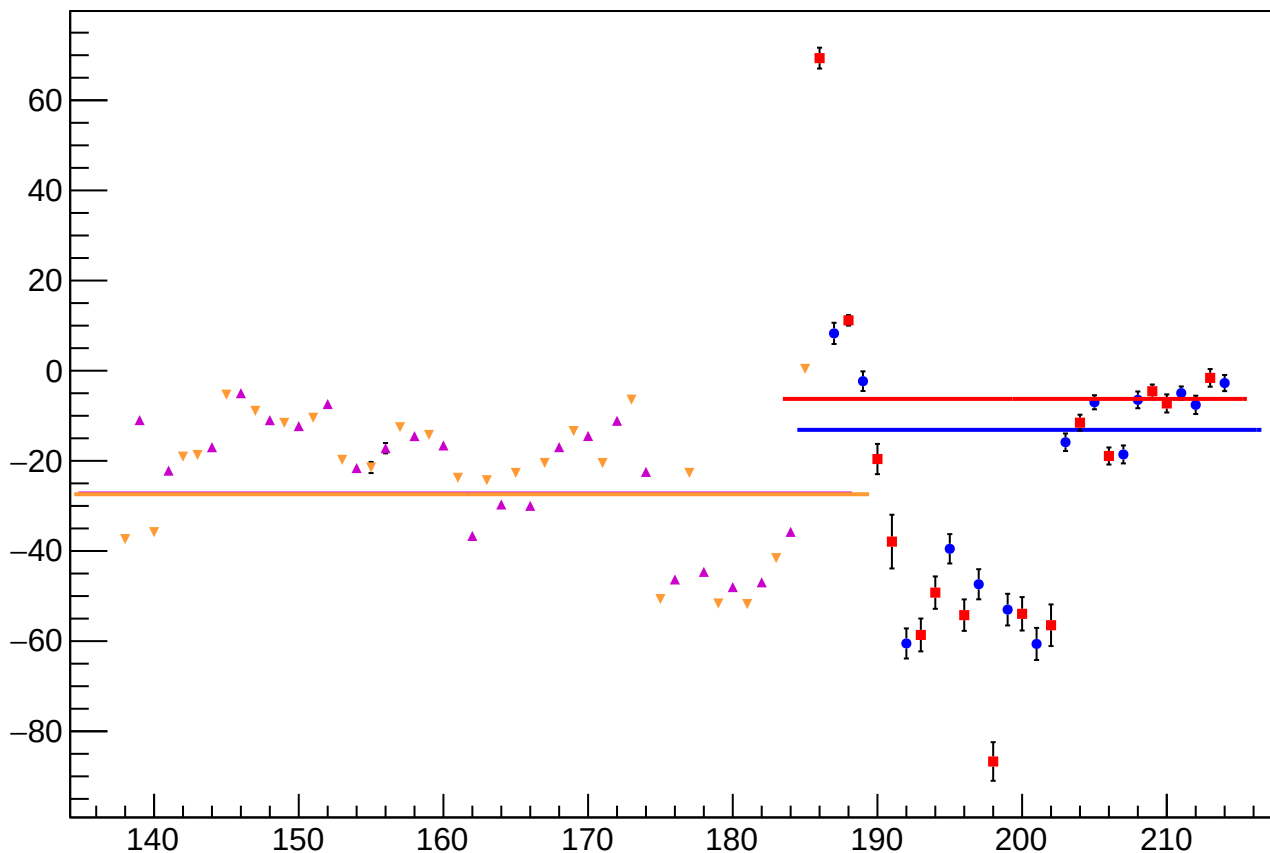
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.137 ± 0.003 χ^2/NDF : 4368.3/55

All: 0.137 ± 0.002 χ^2/NDF : 10697.9/112

- sign 0.138 ± 0.003 χ^2/NDF : 6329.5/56

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -13.123 ± 0.572 χ^2/NDF : 896.9/13

Left Out: -27.408 ± 0.137 χ^2/NDF : 14850.5/24

Right Out: -6.256 ± 0.576 χ^2/NDF : 2569.9/14

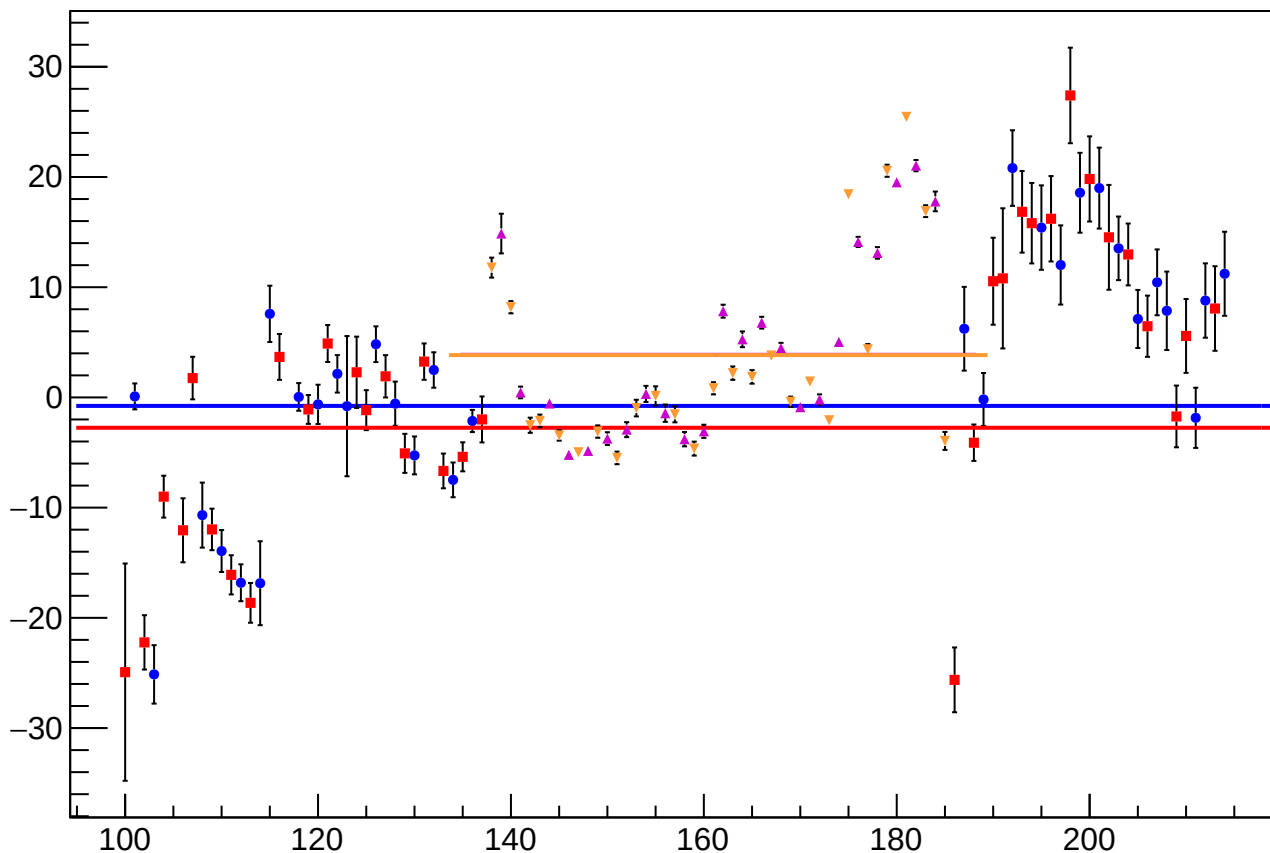
Left In: -27.243 ± 0.139 χ^2/NDF : 11305.2/22

+ sign -26.635 ± 0.133 χ^2/NDF : 16337.1/38

All: -26.364 ± 0.095 χ^2/NDF : 31473.8/76

- sign -26.083 ± 0.135 χ^2/NDF : 15128.3/37

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -0.769 ± 0.371 χ^2/NDF : 513.5/30

Left Out: 3.841 ± 0.109 χ^2/NDF : 6939.2/24

Right Out: -2.753 ± 0.379 χ^2/NDF : 625.4/33

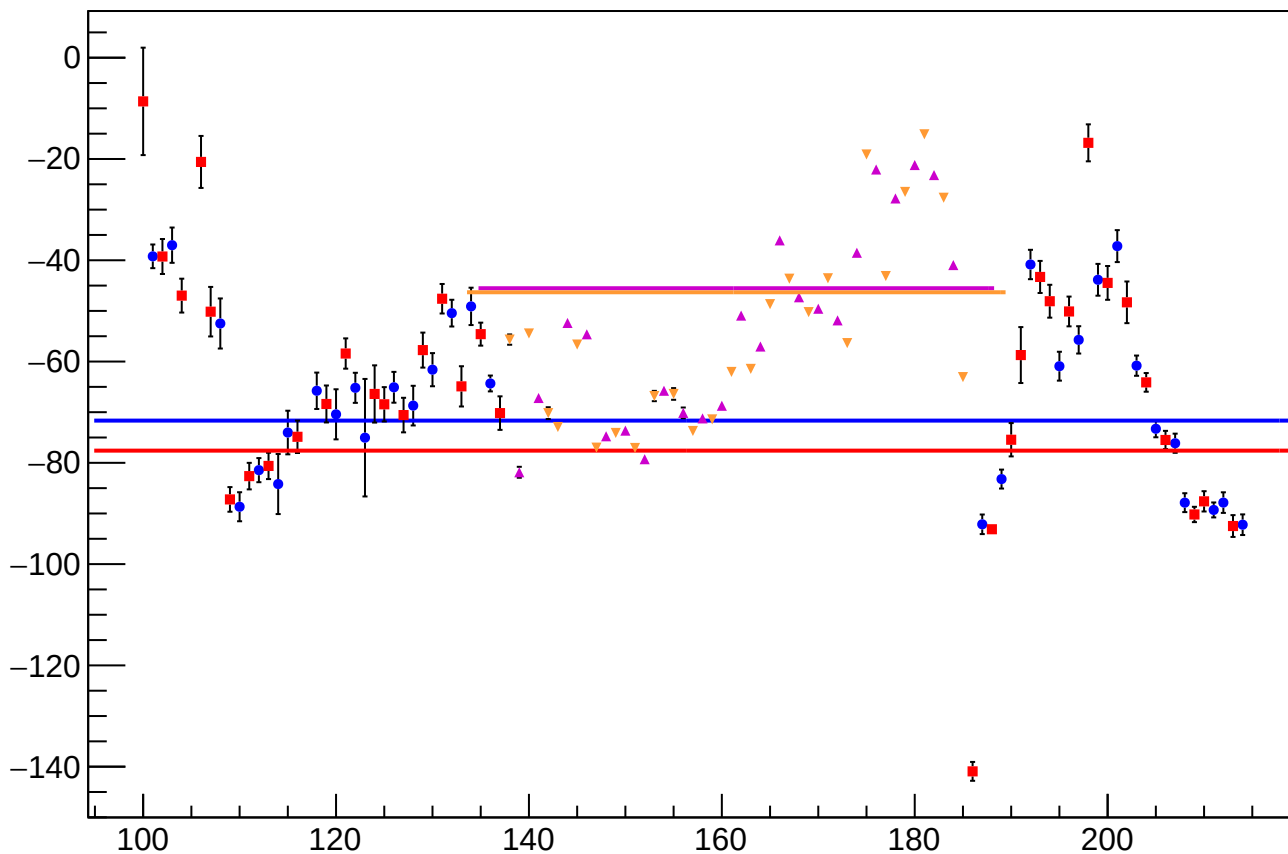
Left In: 3.866 ± 0.111 χ^2/NDF : 5424.0/22

+ sign 3.473 ± 0.105 χ^2/NDF : 7594.9/55

All: 3.408 ± 0.075 χ^2/NDF : 13926.4/112

- sign 3.341 ± 0.107 χ^2/NDF : 6330.7/56

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -71.661 ± 0.444 χ^2/NDF : 1438.8/30

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -77.591 ± 0.432 χ^2/NDF : 3098.9/33

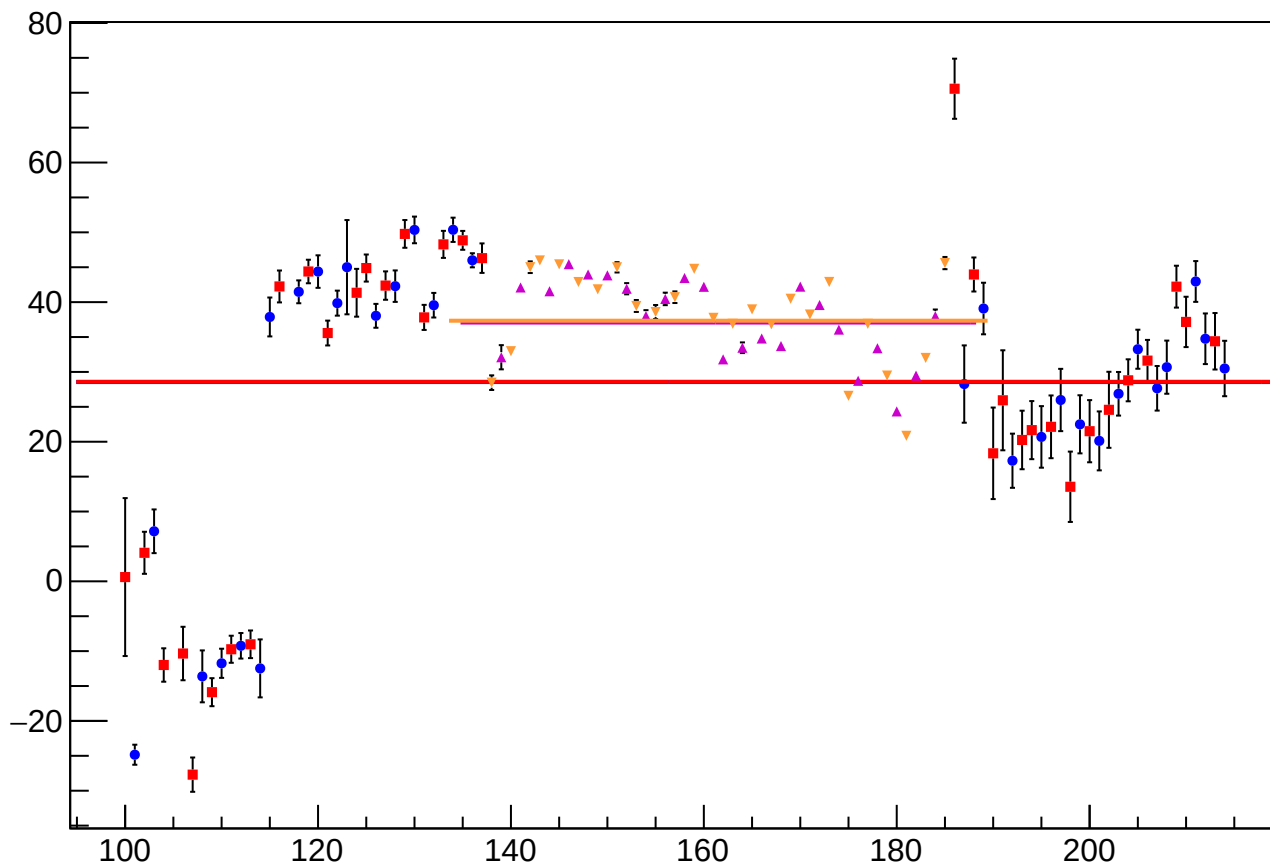
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -48.545 ± 0.132 χ^2/NDF : 24540.6/55

All: -48.552 ± 0.094 χ^2/NDF : 50151.3/112

- sign -48.558 ± 0.133 χ^2/NDF : 25610.6/56

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.550 $\pm$ 0.417 χ^2 /NDF: 3368.5/30

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.590 $\pm$ 0.431 χ^2 /NDF: 3225.1/33

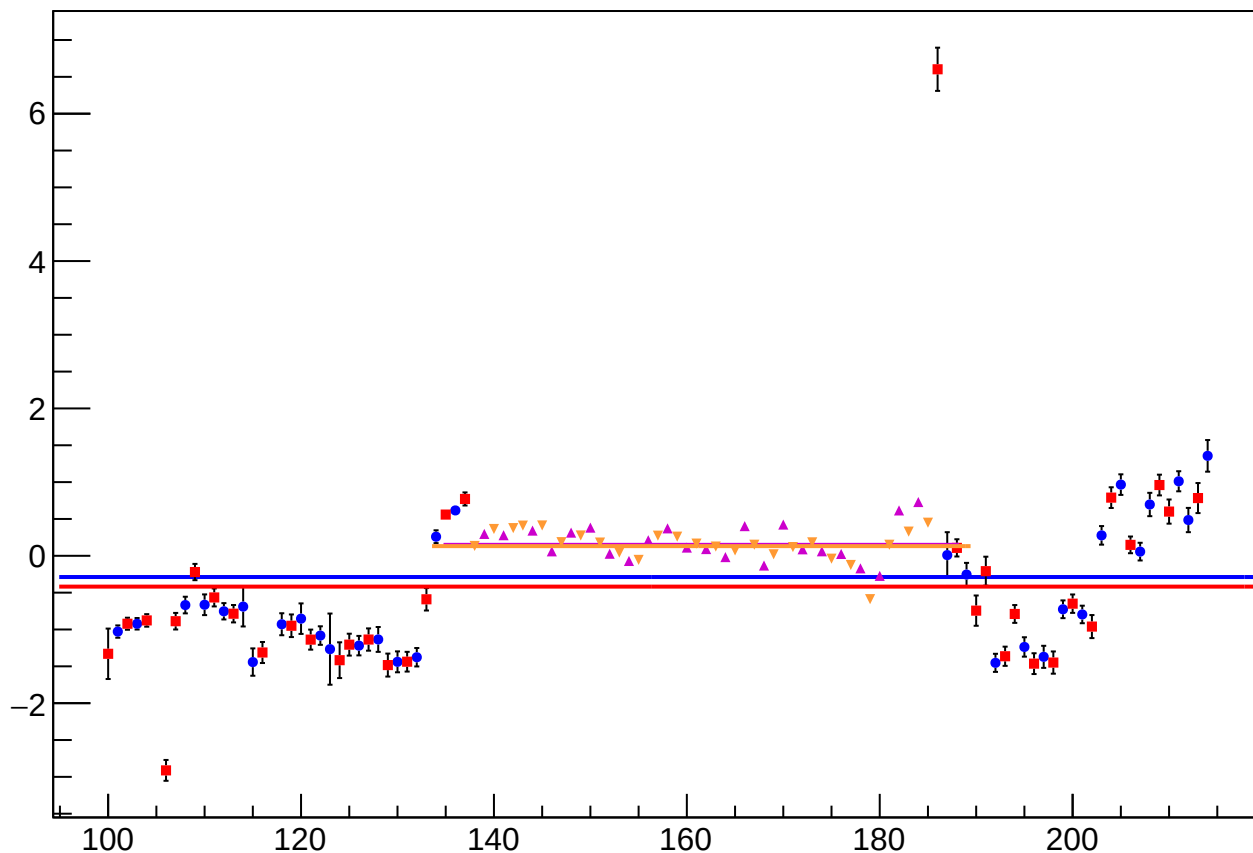
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.638 $\pm$ 0.118 χ^2 /NDF: 6926.3/55

All: 36.529 $\pm$ 0.084 χ^2 /NDF: 12907.2/112

- sign 36.415 $\pm$ 0.120 χ^2 /NDF: 5979.1/56

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.288 ± 0.021 χ^2/NDF : 1557.9/30

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.418 ± 0.021 χ^2/NDF : 2217.2/33

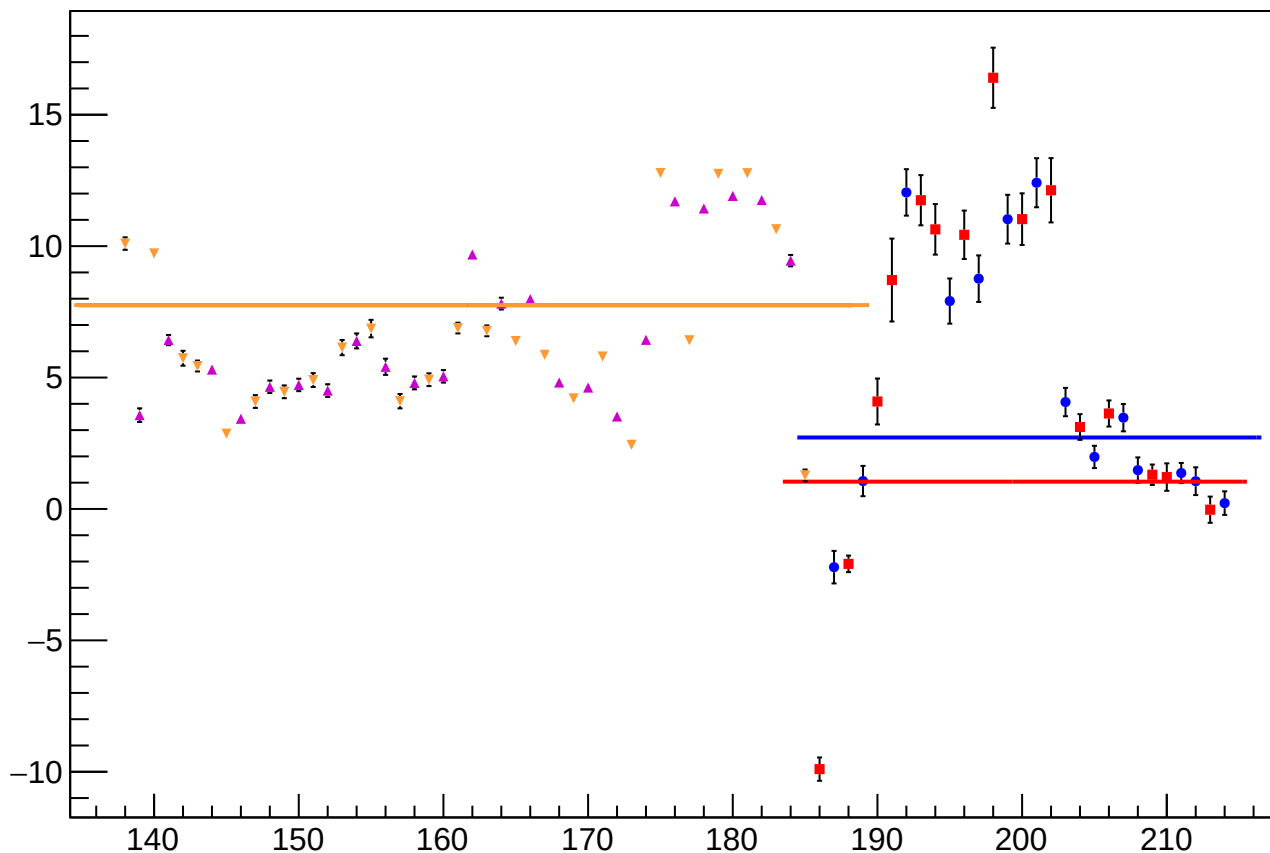
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.103 ± 0.005 χ^2/NDF : 3360.6/55

All: 0.107 ± 0.004 χ^2/NDF : 8043.1/112

- sign 0.110 ± 0.006 χ^2/NDF : 4681.6/56

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.719 ± 0.150 χ^2/NDF : 525.3/13

Left Out: 7.757 ± 0.034 χ^2/NDF : 11728.6/24

Right Out: 1.039 ± 0.149 χ^2/NDF : 1486.2/14

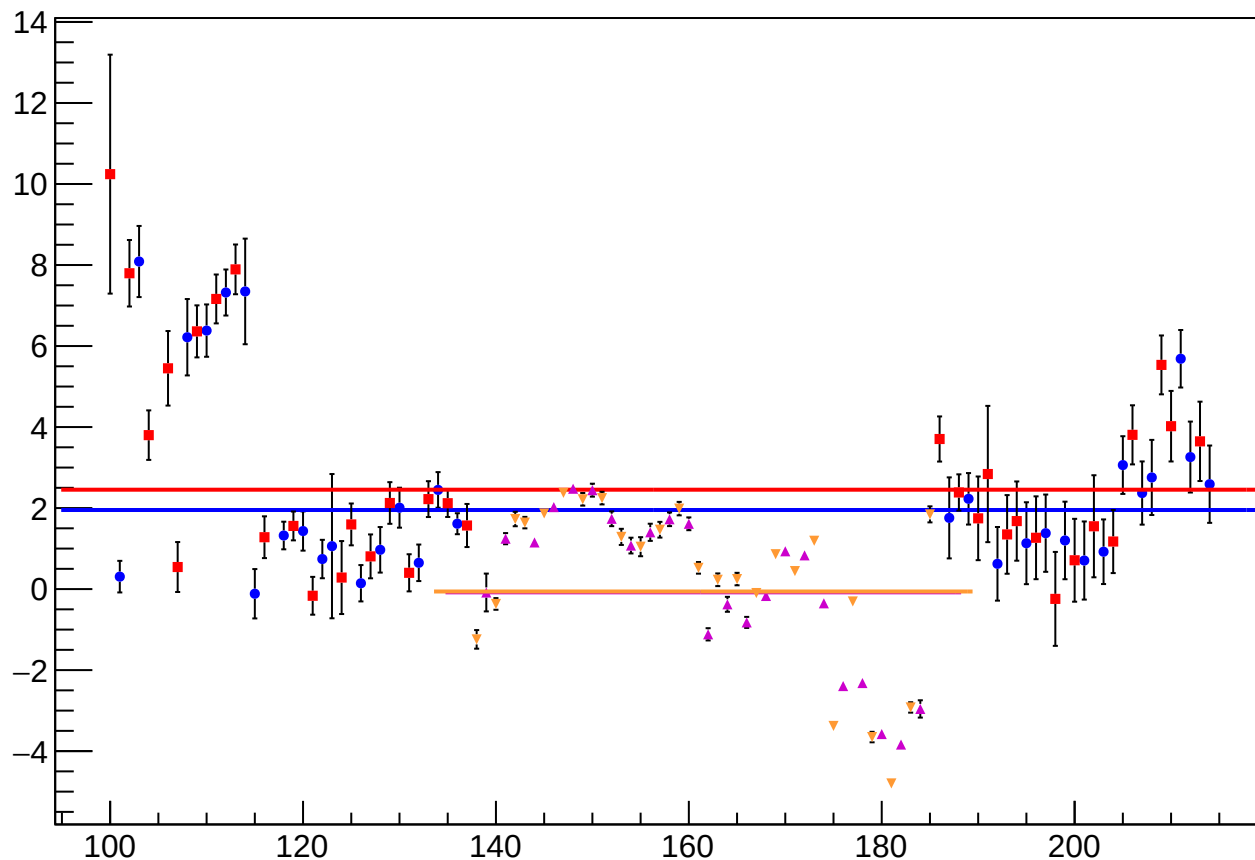
Left In: 7.753 ± 0.035 χ^2/NDF : 8345.2/22

+ sign 7.508 ± 0.033 χ^2/NDF : 13319.2/38

All: 7.454 ± 0.024 χ^2/NDF : 25089.3/76

- sign 7.399 ± 0.034 χ^2/NDF : 11764.9/37

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.952 $\pm$ 0.104 χ^2 /NDF: 335.1/30

Left Out: -0.059 $\pm$ 0.028 χ^2 /NDF: 6068.8/24

Right Out: 2.453 $\pm$ 0.106 χ^2 /NDF: 382.5/33

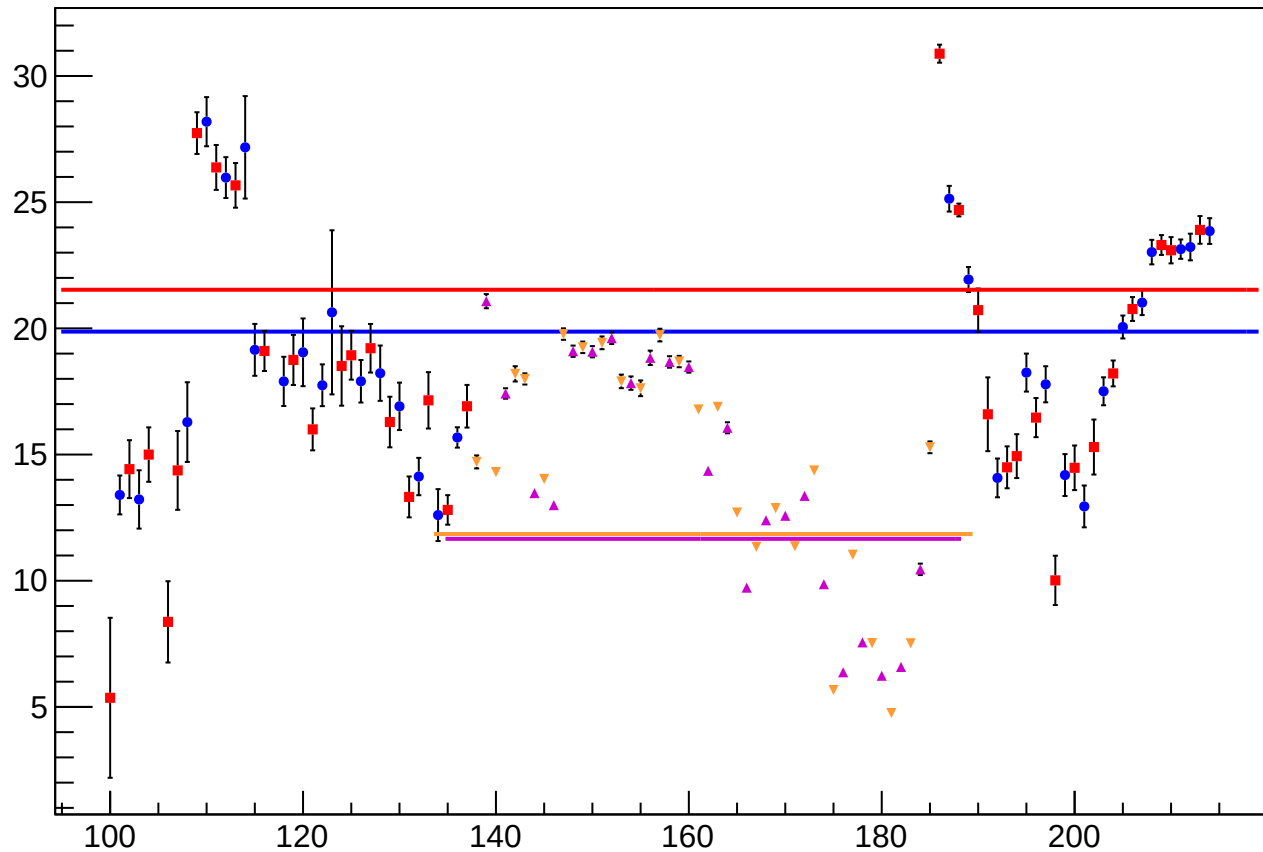
Left In: -0.080 $\pm$ 0.028 χ^2 /NDF: 4979.5/22

+ sign 0.074 $\pm$ 0.027 χ^2 /NDF: 6752.8/55

All: 0.081 $\pm$ 0.019 χ^2 /NDF: 12648.7/112

- sign 0.088 $\pm$ 0.027 χ^2 /NDF: 5895.7/56

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.871 ± 0.120 χ^2/NDF : 1050.1/30

Left Out: 11.853 ± 0.035 χ^2/NDF : 19149.4/24

Right Out: 21.530 ± 0.115 χ^2/NDF : 2126.3/33

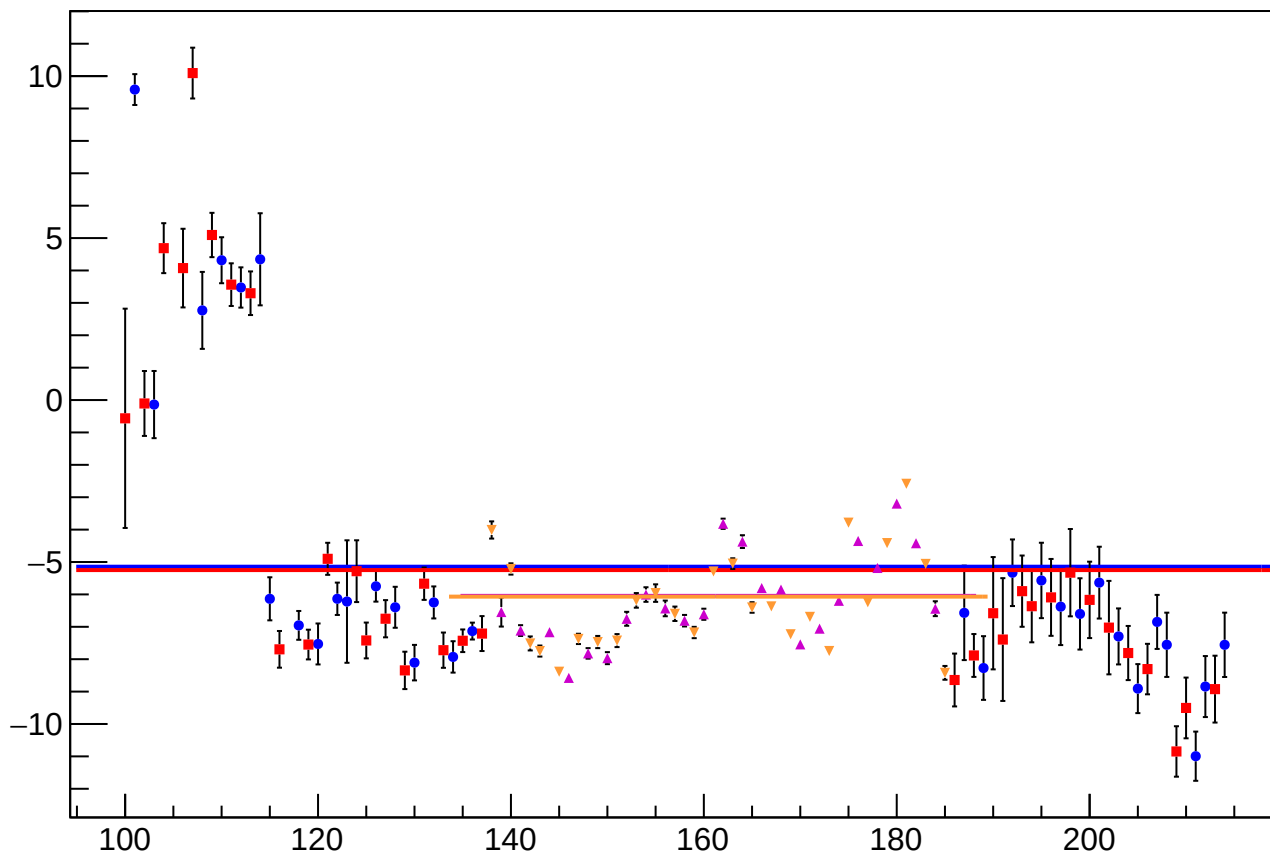
Left In: 11.660 ± 0.035 χ^2/NDF : 16710.2/22

+ sign 12.467 ± 0.033 χ^2/NDF : 24294.4/55

All: 12.485 ± 0.024 χ^2/NDF : 49846.0/112

- sign 12.502 ± 0.034 χ^2/NDF : 25551.0/56

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.145 ± 0.117 χ^2/NDF : 1743.5/30

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -5.249 ± 0.121 χ^2/NDF : 1522.5/33

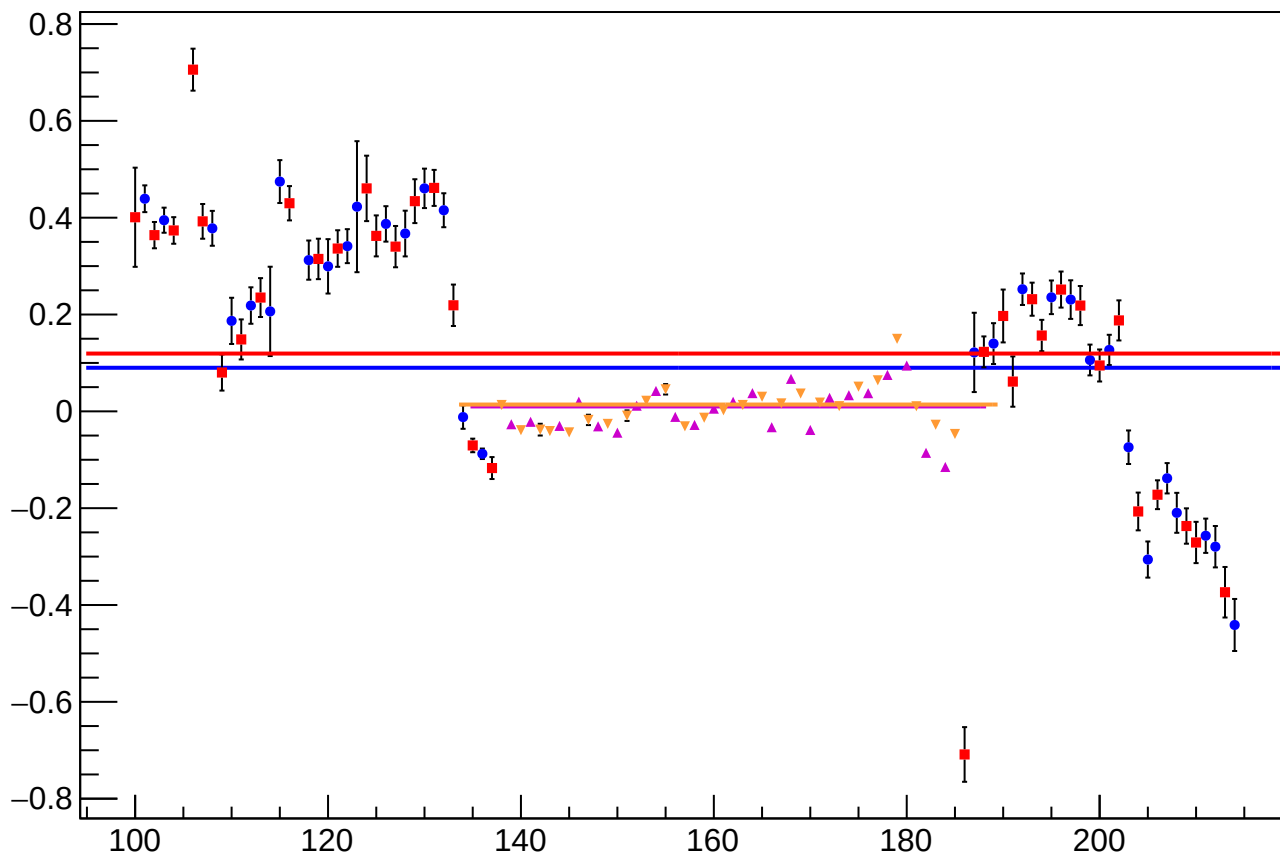
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -6.007 ± 0.030 χ^2/NDF : 4473.8/55

All: -6.000 ± 0.021 χ^2/NDF : 8330.7/112

- sign -5.994 ± 0.031 χ^2/NDF : 3856.8/56

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.006 χ^2/NDF : 1679.6/30

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.119 ± 0.006 χ^2/NDF : 1758.5/33

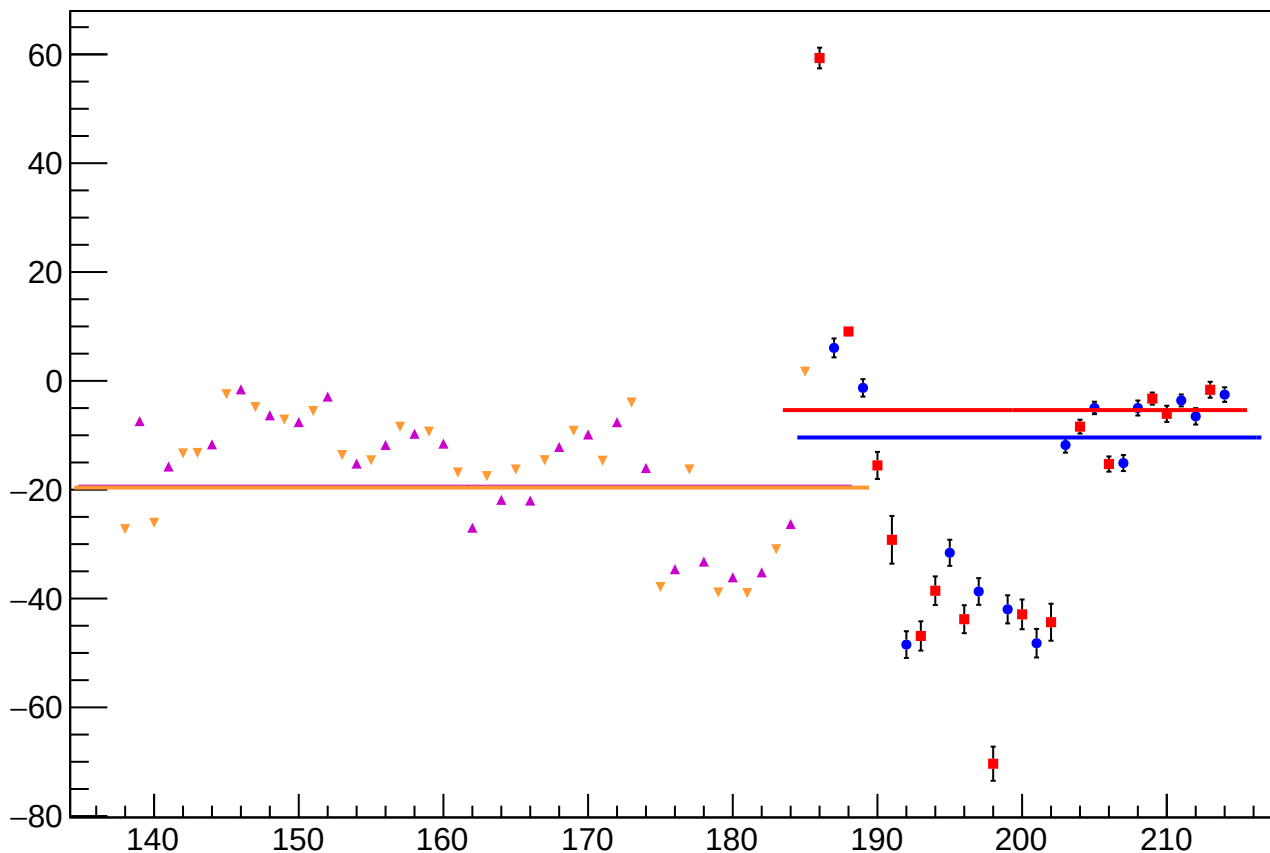
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.018 ± 0.001 χ^2/NDF : 2798.7/55

All: 0.017 ± 0.001 χ^2/NDF : 6093.2/112

- sign 0.016 ± 0.001 χ^2/NDF : 3293.4/56

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -10.406 ± 0.422 $\chi^2/\text{NDF}: 1058.0/13$

Left Out: -19.612 ± 0.103 $\chi^2/\text{NDF}: 15761.3/24$

Right Out: -5.373 ± 0.427 $\chi^2/\text{NDF}: 2930.5/14$

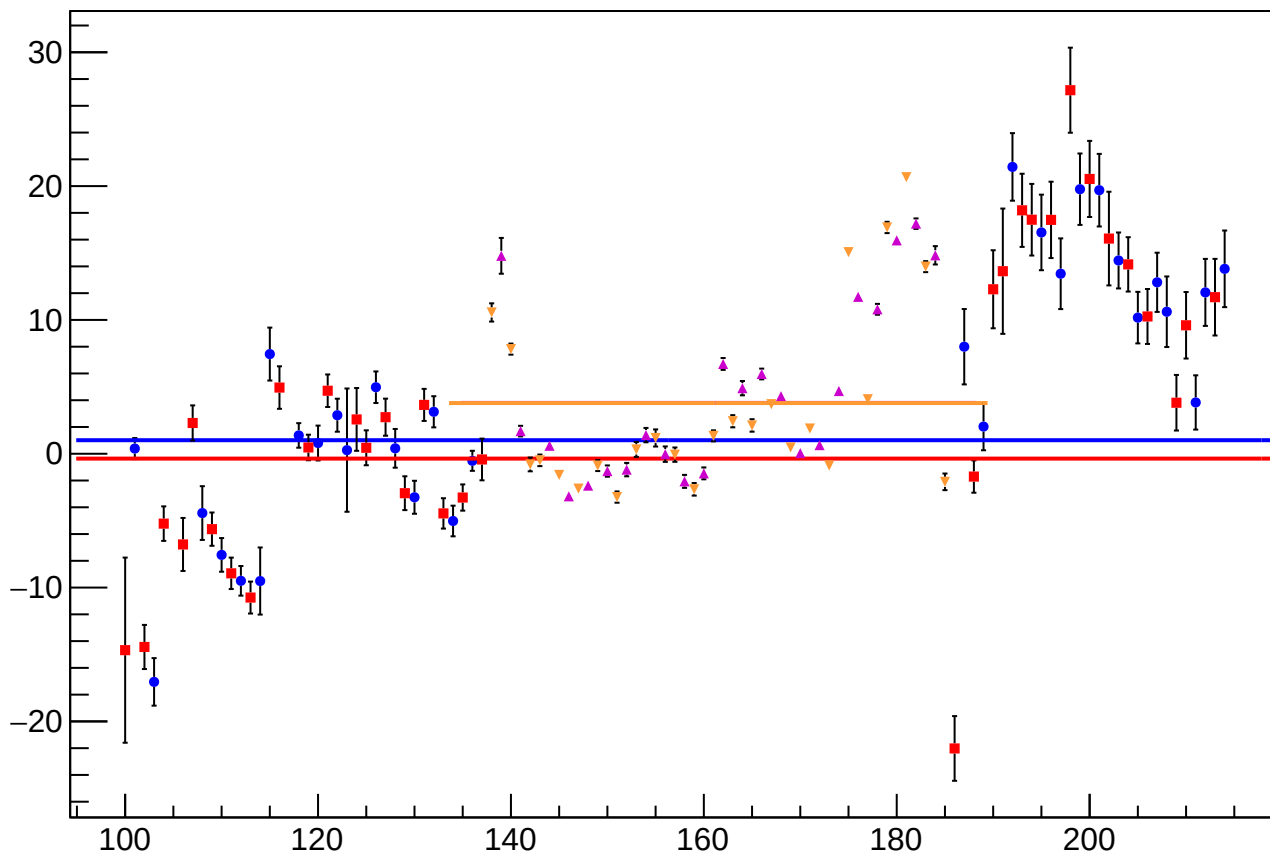
Left In: -19.450 ± 0.105 $\chi^2/\text{NDF}: 12283.1/22$

+ sign -19.093 ± 0.100 $\chi^2/\text{NDF}: 17267.8/38$

All: -18.873 ± 0.072 $\chi^2/\text{NDF}: 33518.0/76$

- sign -18.645 ± 0.102 $\chi^2/\text{NDF}: 16240.4/37$

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 1.012 $\pm$ 0.266 χ^2 /NDF: 705.8/30

Left Out: 3.788 $\pm$ 0.082 χ^2 /NDF: 7150.5/24

Right Out: -0.362 $\pm$ 0.271 χ^2 /NDF: 832.2/33

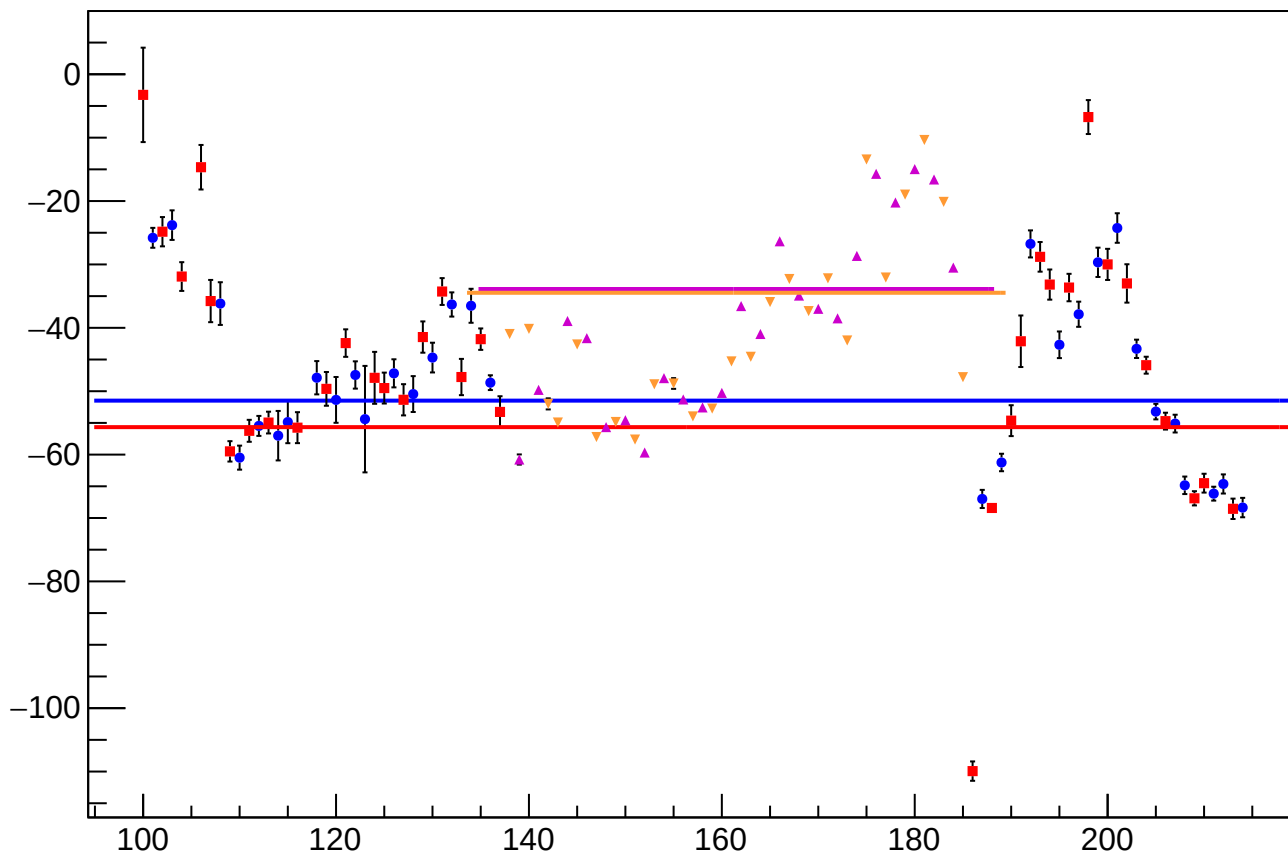
Left In: 3.799 $\pm$ 0.084 χ^2 /NDF: 5517.0/22

+ sign 3.546 $\pm$ 0.078 χ^2 /NDF: 7956.0/55

All: 3.493 $\pm$ 0.056 χ^2 /NDF: 14521.6/112

- sign 3.437 $\pm$ 0.080 χ^2 /NDF: 6564.6/56

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -51.485 ± 0.323 $\chi^2/\text{NDF}: 1682.2/30$

Left Out: -34.471 ± 0.104 $\chi^2/\text{NDF}: 20196.3/24$

Right Out: -55.667 ± 0.315 $\chi^2/\text{NDF}: 3480.4/33$

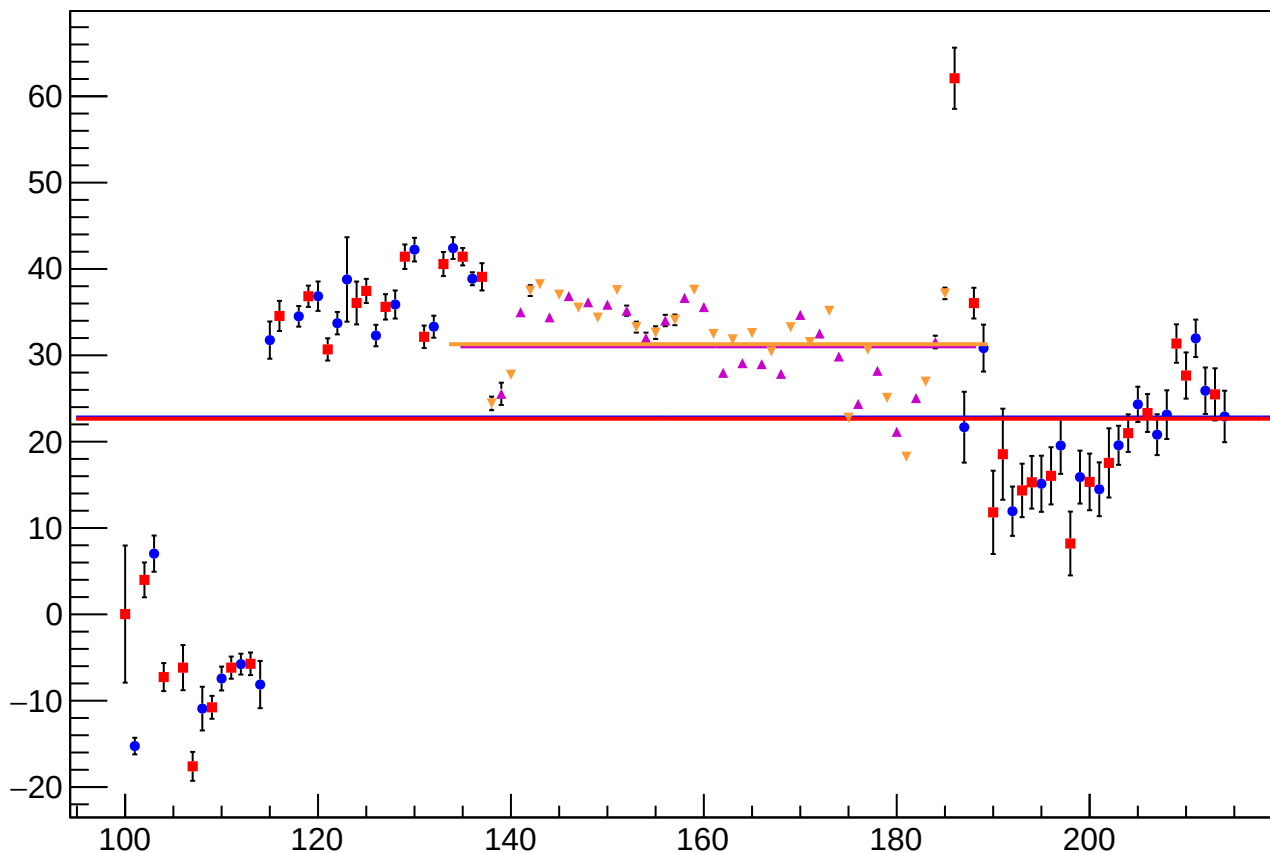
Left In: -33.875 ± 0.105 $\chi^2/\text{NDF}: 17638.7/22$

+ sign -36.068 ± 0.099 $\chi^2/\text{NDF}: 24393.0/55$

All: -36.069 ± 0.070 $\chi^2/\text{NDF}: 49829.1/112$

- sign -36.071 ± 0.100 $\chi^2/\text{NDF}: 25436.1/56$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.797 $\pm$ 0.299 χ^2 /NDF: 4381.8/30

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.656 $\pm$ 0.309 χ^2 /NDF: 4278.2/33

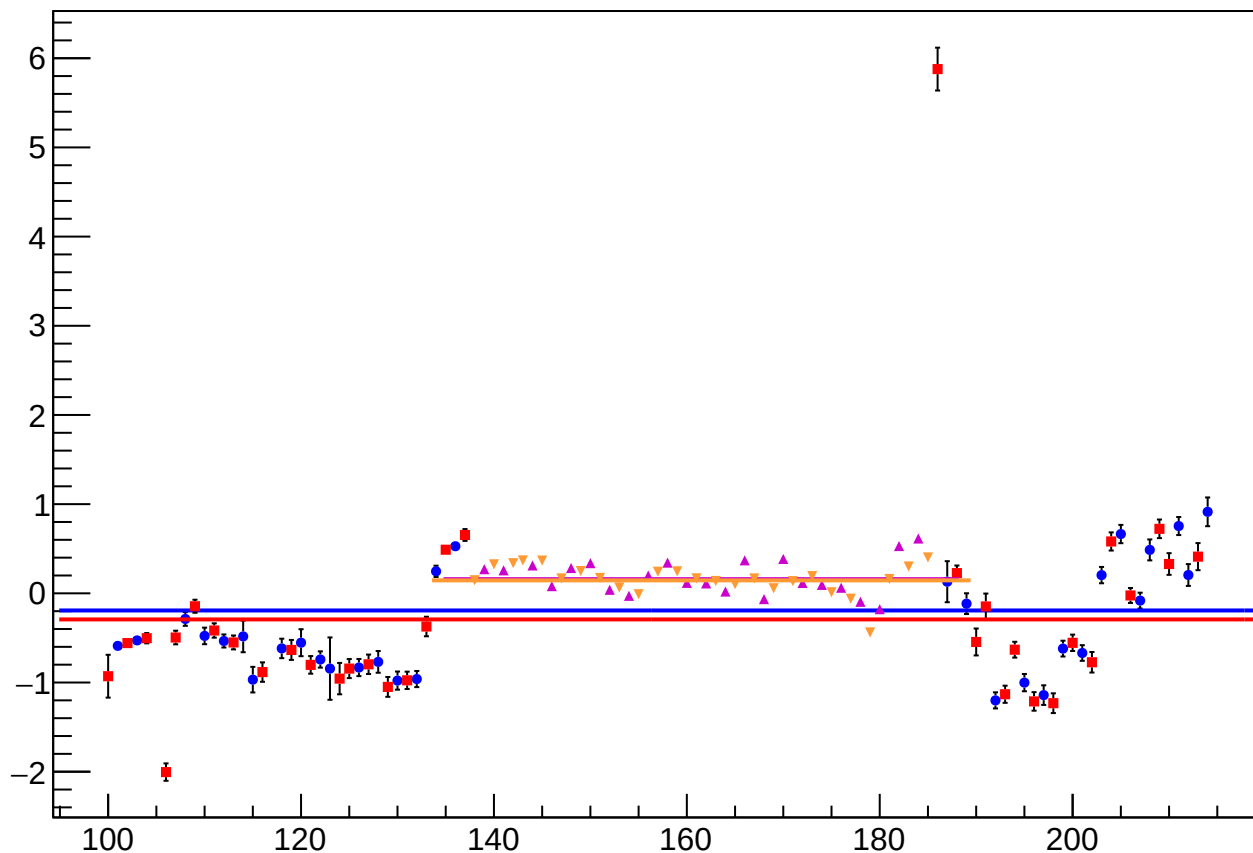
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.547 $\pm$ 0.088 χ^2 /NDF: 8462.8/55

All: 30.438 $\pm$ 0.063 χ^2 /NDF: 15898.9/112

- sign 30.325 $\pm$ 0.090 χ^2 /NDF: 7433.0/56

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.192 ± 0.015 χ^2/NDF : 1588.4/30

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.293 ± 0.015 χ^2/NDF : 2370.8/33

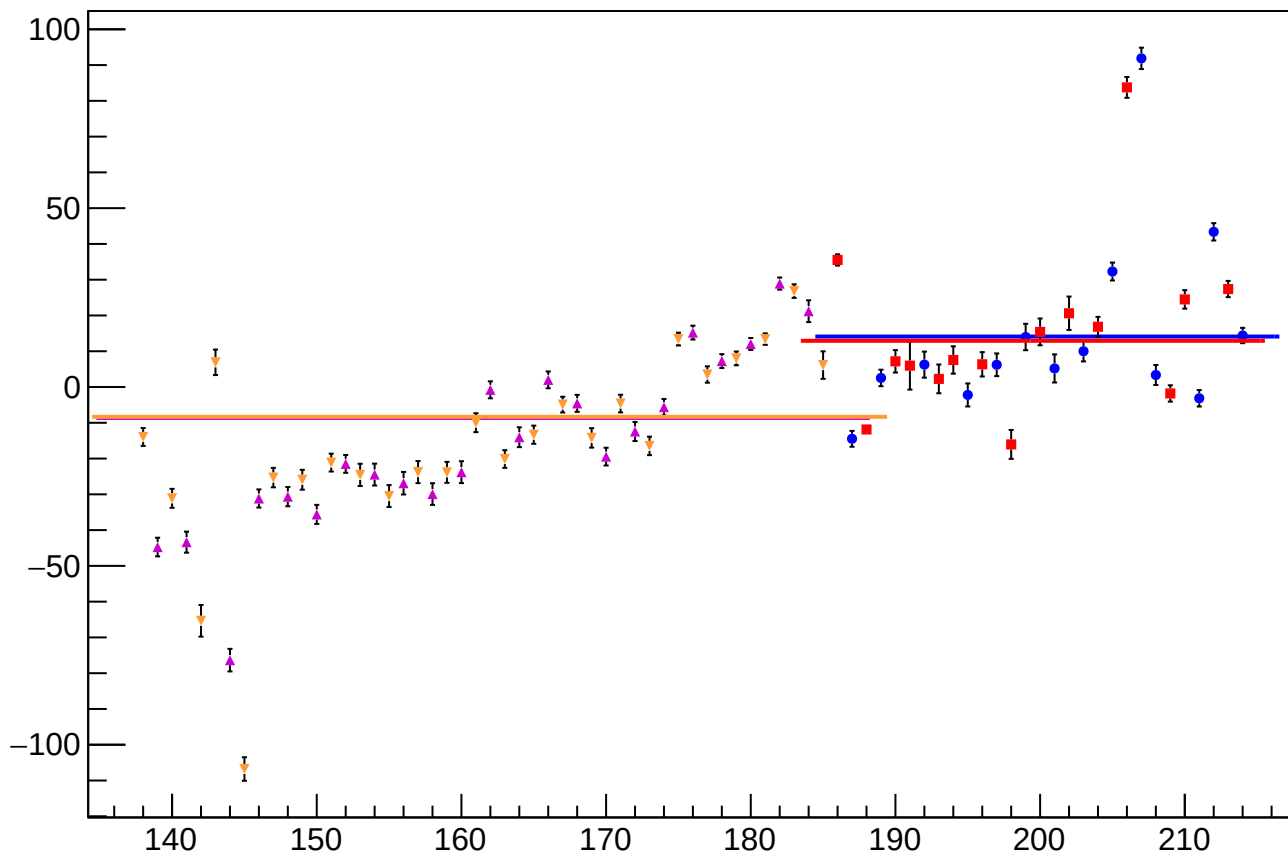
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.121 ± 0.004 χ^2/NDF : 3636.3/55

All: 0.123 ± 0.003 χ^2/NDF : 8830.3/112

- sign 0.125 ± 0.004 χ^2/NDF : 5193.3/56

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 14.109 $\pm$ 0.726 χ^2 /NDF: 1181.1/13

Left Out: -8.332 $\pm$ 0.500 χ^2 /NDF: 2226.2/24

Right Out: 12.918 $\pm$ 0.651 χ^2 /NDF: 1374.6/14

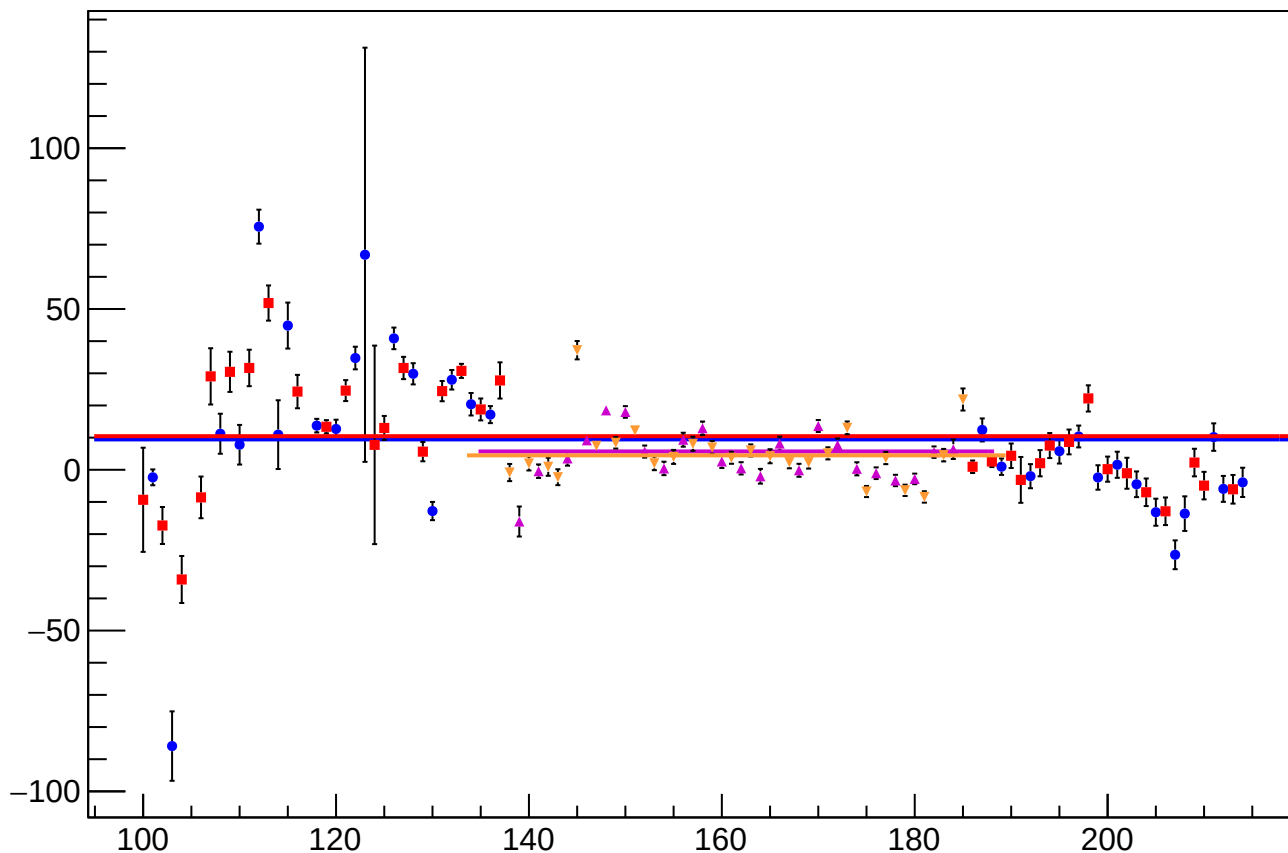
Left In: -8.652 $\pm$ 0.507 χ^2 /NDF: 2223.8/22

+ sign -1.116 $\pm$ 0.412 χ^2 /NDF: 4056.1/38

All: -0.803 $\pm$ 0.287 χ^2 /NDF: 8338.6/76

- sign -0.508 $\pm$ 0.400 χ^2 /NDF: 4281.3/37

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 9.441 ± 0.658 χ^2/NDF : 765.6/30

Left Out: 4.484 ± 0.392 χ^2/NDF : 371.9/24

Right Out: 10.449 ± 0.625 χ^2/NDF : 499.5/33

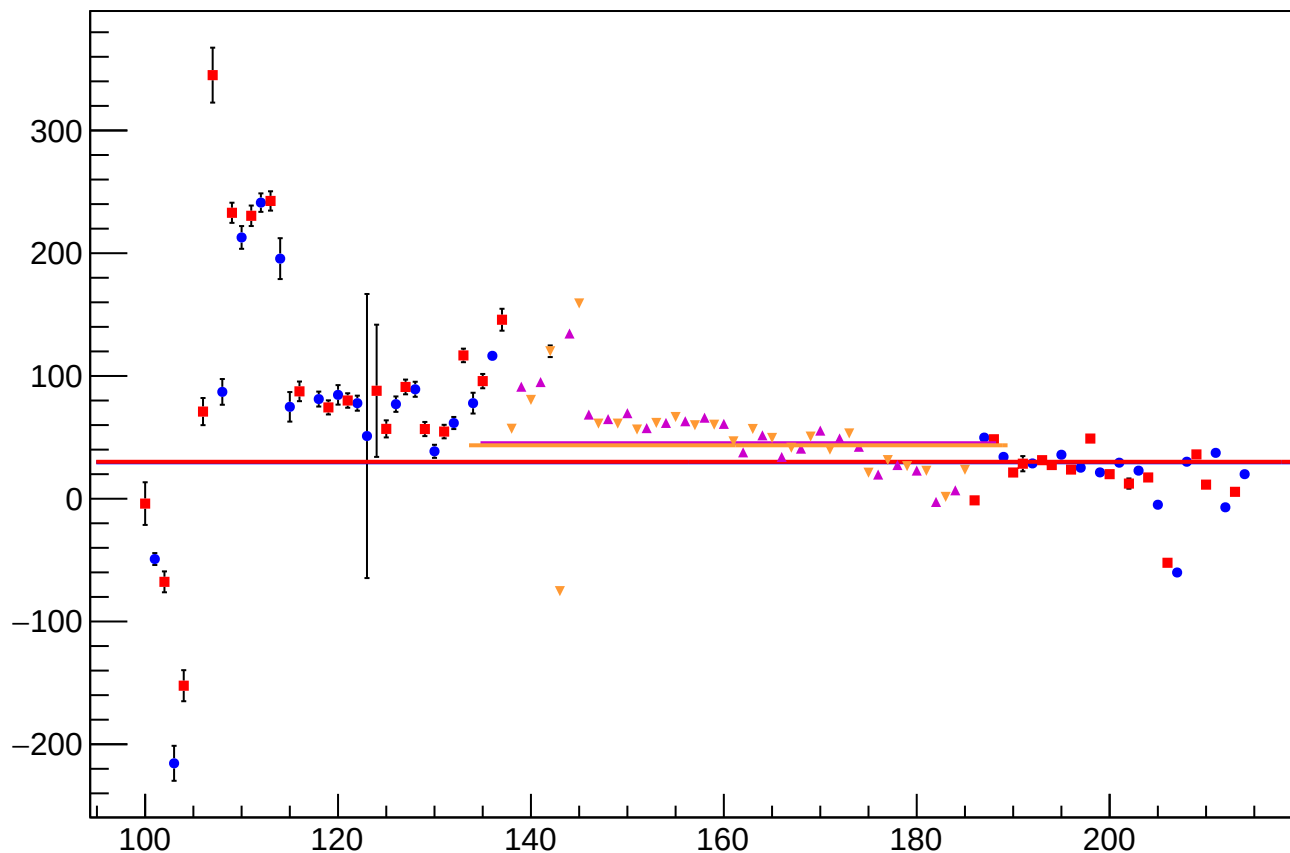
Left In: 5.705 ± 0.404 χ^2/NDF : 324.1/22

+ sign 5.782 ± 0.337 χ^2/NDF : 1179.2/55

All: 6.438 ± 0.239 χ^2/NDF : 2051.0/112

- sign 7.103 ± 0.339 χ^2/NDF : 864.2/56

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 29.665 ± 0.629 χ^2/NDF : 4308.8/30

Left Out: 43.524 ± 0.498 χ^2/NDF : 3830.7/24

Right Out: 30.098 ± 0.544 χ^2/NDF : 5446.1/33

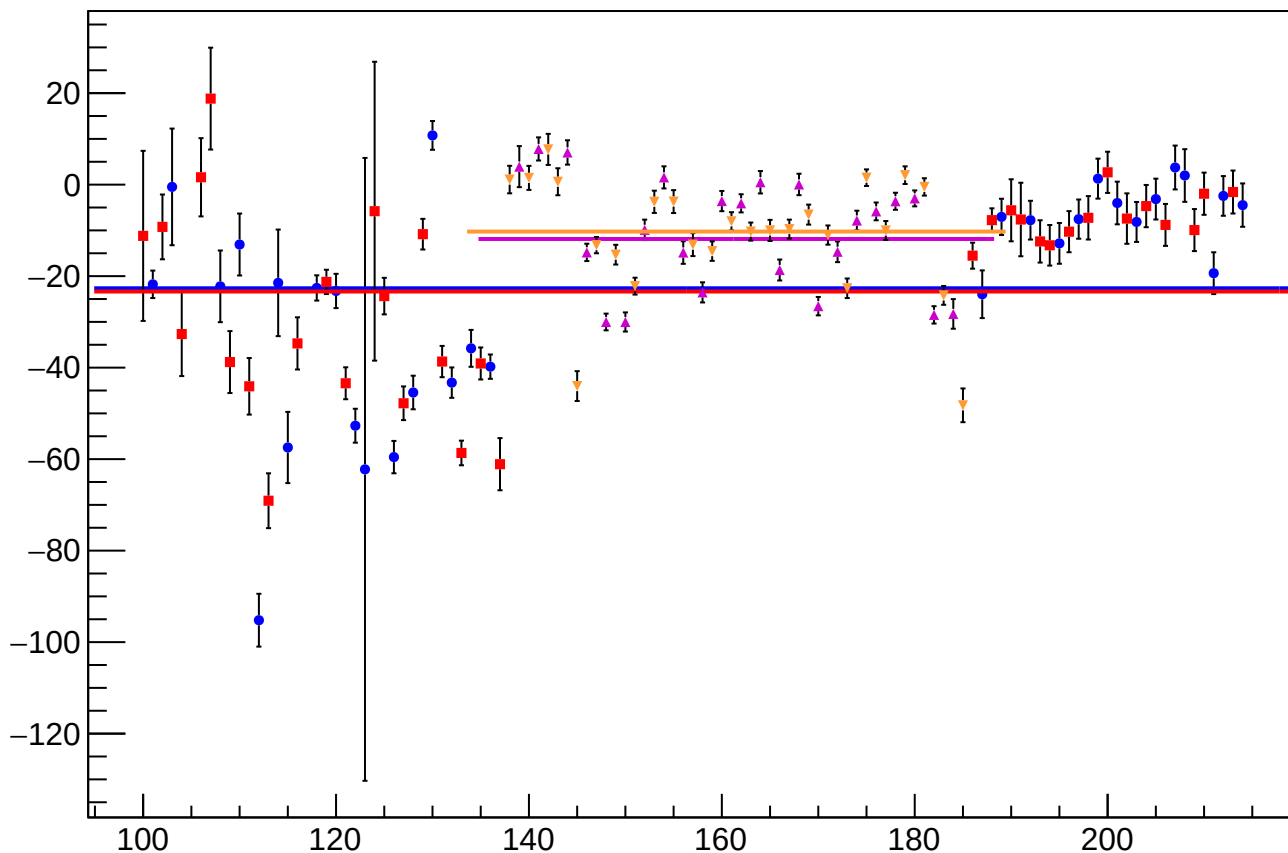
Left In: 45.211 ± 0.504 χ^2/NDF : 3048.5/22

+ sign 38.182 ± 0.391 χ^2/NDF : 8437.6/55

All: 38.205 ± 0.269 χ^2/NDF : 17347.3/112

- sign 38.226 ± 0.370 χ^2/NDF : 8909.7/56

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -22.656 ± 0.764 χ^2/NDF : 806.9/30

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -23.357 ± 0.752 χ^2/NDF : 660.5/33

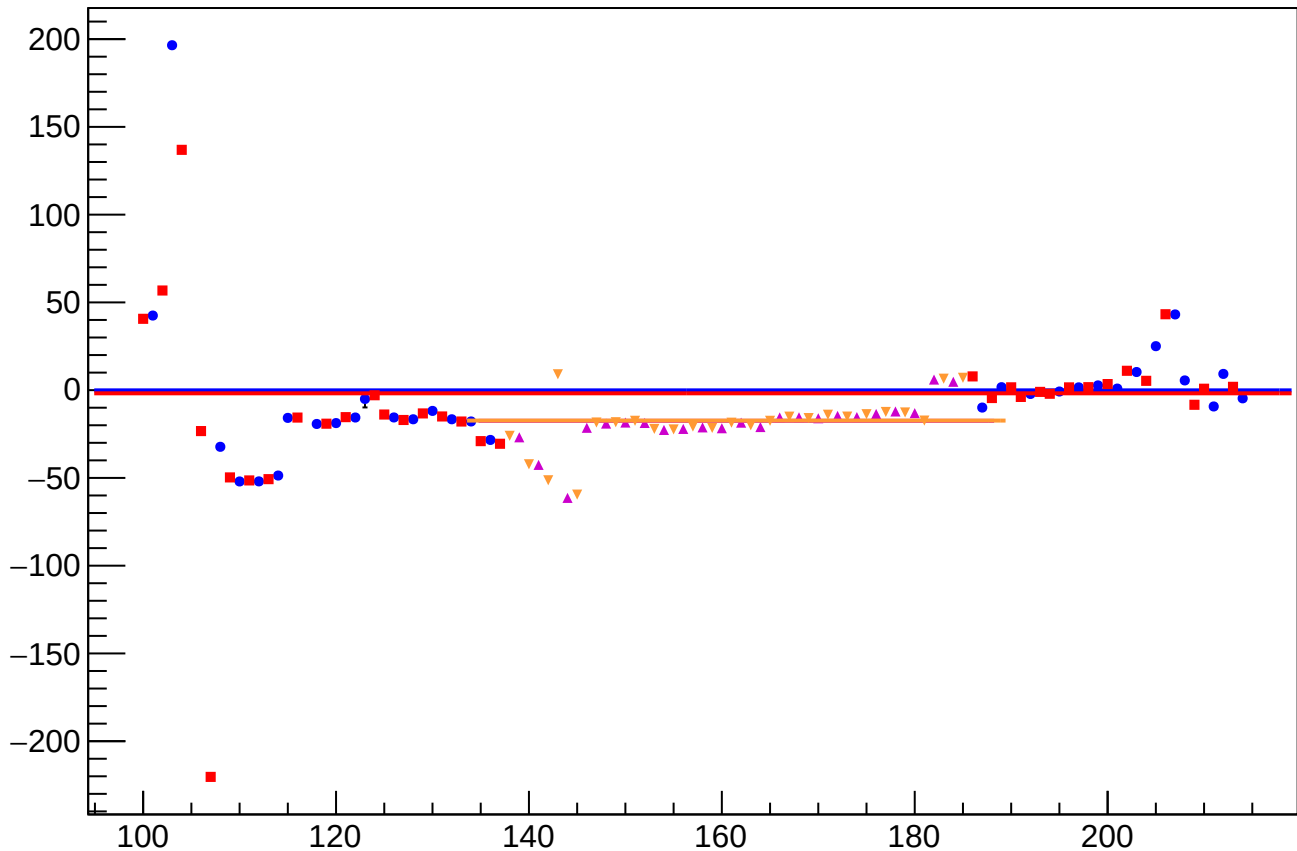
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.392 ± 0.384 χ^2/NDF : 1556.3/55

All: -14.166 ± 0.274 χ^2/NDF : 3061.7/112

- sign -14.964 ± 0.390 χ^2/NDF : 1497.1/56

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.116 ± 0.036 χ^2/NDF : 678290.0/30

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -1.800 ± 0.035 χ^2/NDF : 672316.3/33

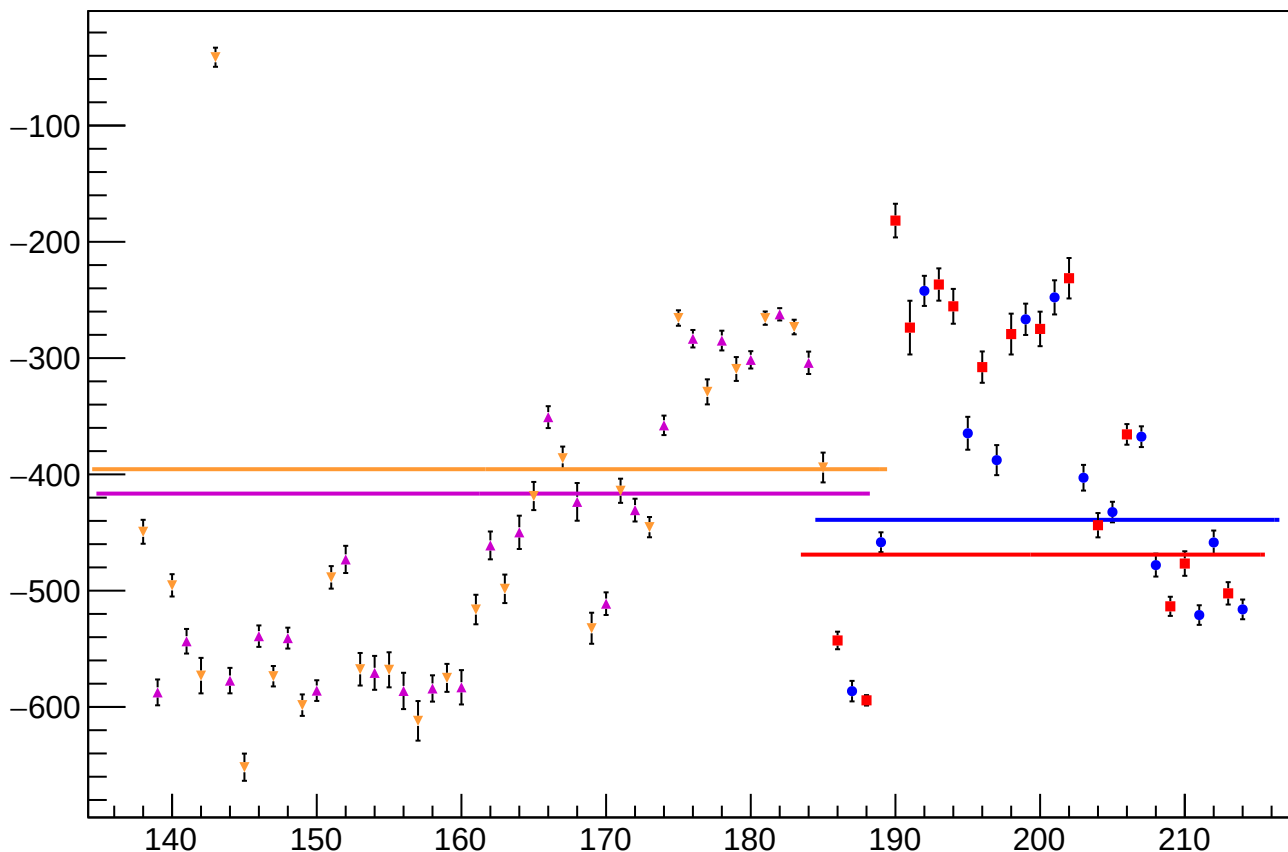
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -13.127 ± 0.018 χ^2/NDF : 1177464.6/55

All: -13.280 ± 0.013 χ^2/NDF : 2258075.3/112

- sign -13.434 ± 0.018 χ^2/NDF : 1080461.9/56

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -439.084 ± 2.721 χ^2/NDF : 1164.0/13

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -468.995 ± 2.528 χ^2/NDF : 2625.4/14

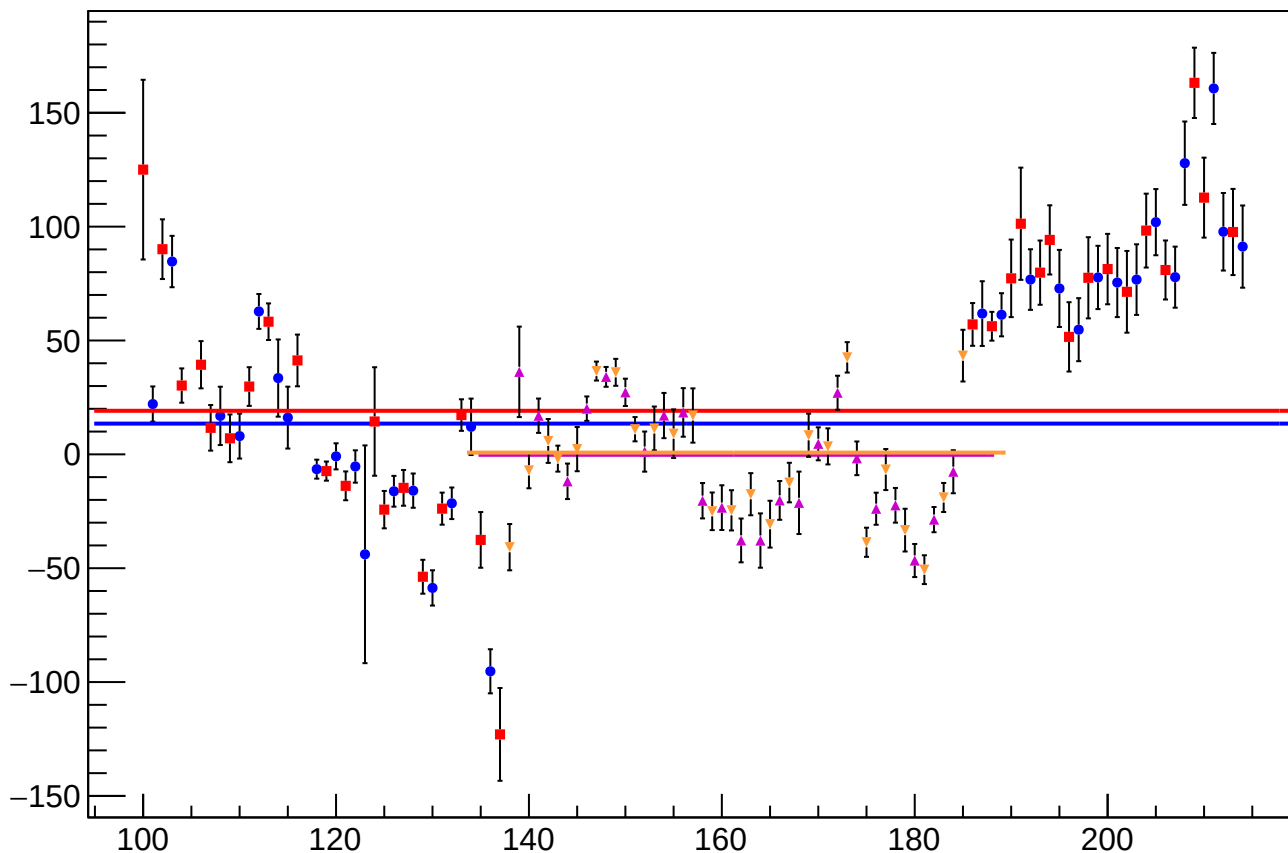
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -410.354 ± 1.587 χ^2/NDF : 7279.4/38

All: -423.705 ± 1.116 χ^2/NDF : 14226.6/76

- sign -436.784 ± 1.571 χ^2/NDF : 6807.0/37

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 13.500 ± 1.721 $\chi^2/\text{NDF}: 761.5/30$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 19.134 ± 1.672 $\chi^2/\text{NDF}: 725.8/33$

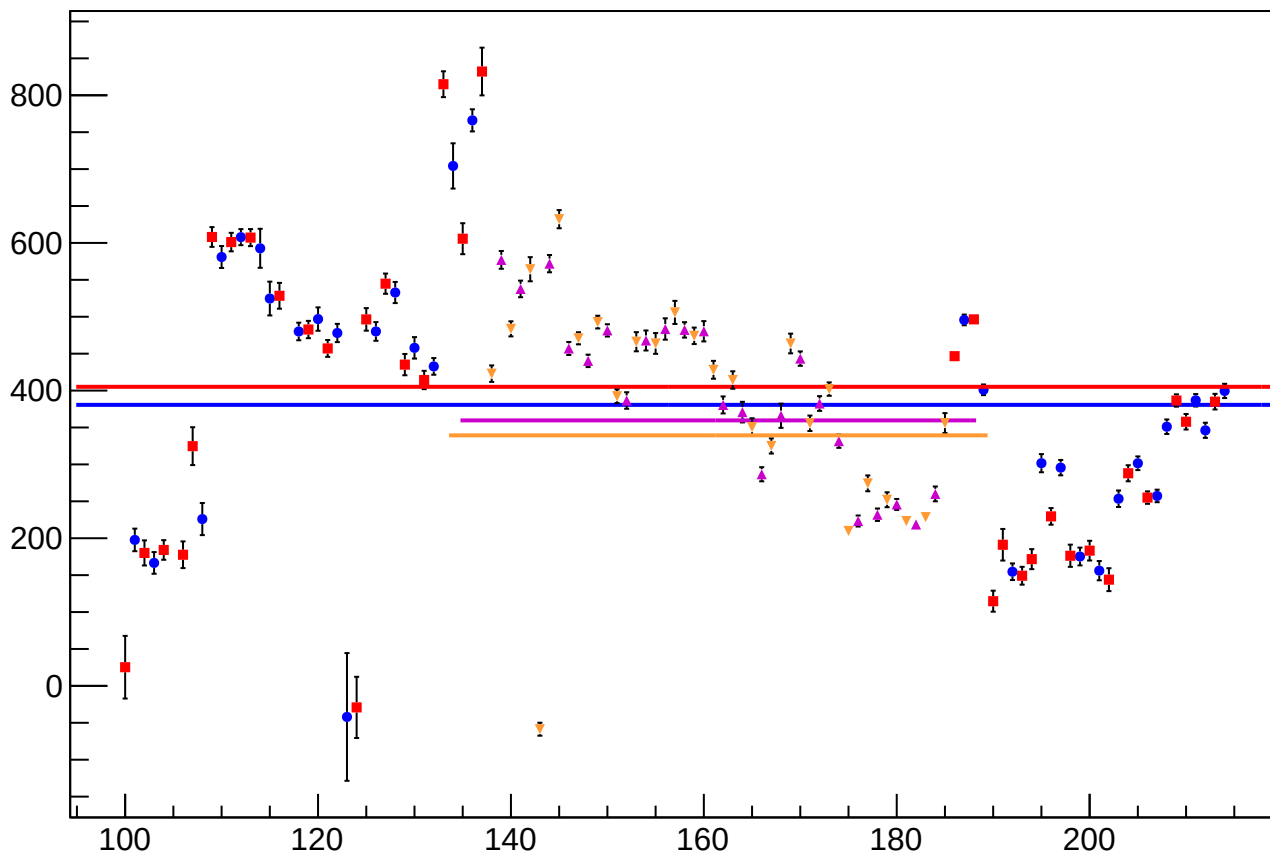
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 6.273 ± 1.132 $\chi^2/\text{NDF}: 1142.7/55$

All: 7.565 ± 0.806 $\chi^2/\text{NDF}: 2202.8/112$

- sign 8.889 ± 1.147 $\chi^2/\text{NDF}: 1057.5/56$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 380.670 ± 2.098 $\chi^2/\text{NDF}: 4128.9/30$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 405.106 ± 1.889 $\chi^2/\text{NDF}: 6109.3/33$

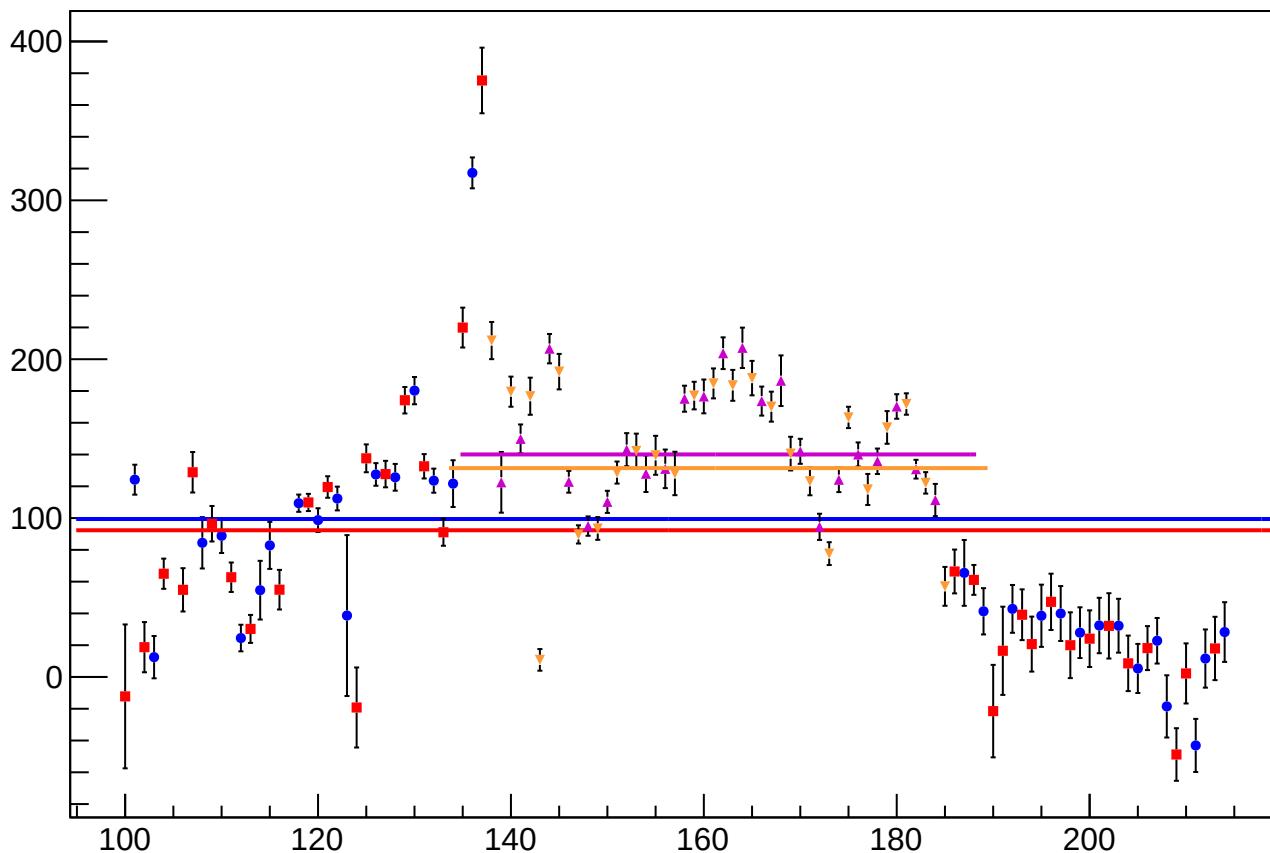
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 358.633 ± 1.433 $\chi^2/\text{NDF}: 9838.2/55$

All: 371.691 ± 0.992 $\chi^2/\text{NDF}: 19778.4/112$

- sign 383.690 ± 1.374 $\chi^2/\text{NDF}: 9781.0/56$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 99.416 ± 1.999 $\chi^2/\text{NDF}: 1091.4/30$

Left Out: 131.464 ± 1.728 $\chi^2/\text{NDF}: 809.3/24$

Right Out: 92.340 ± 1.962 $\chi^2/\text{NDF}: 895.0/33$

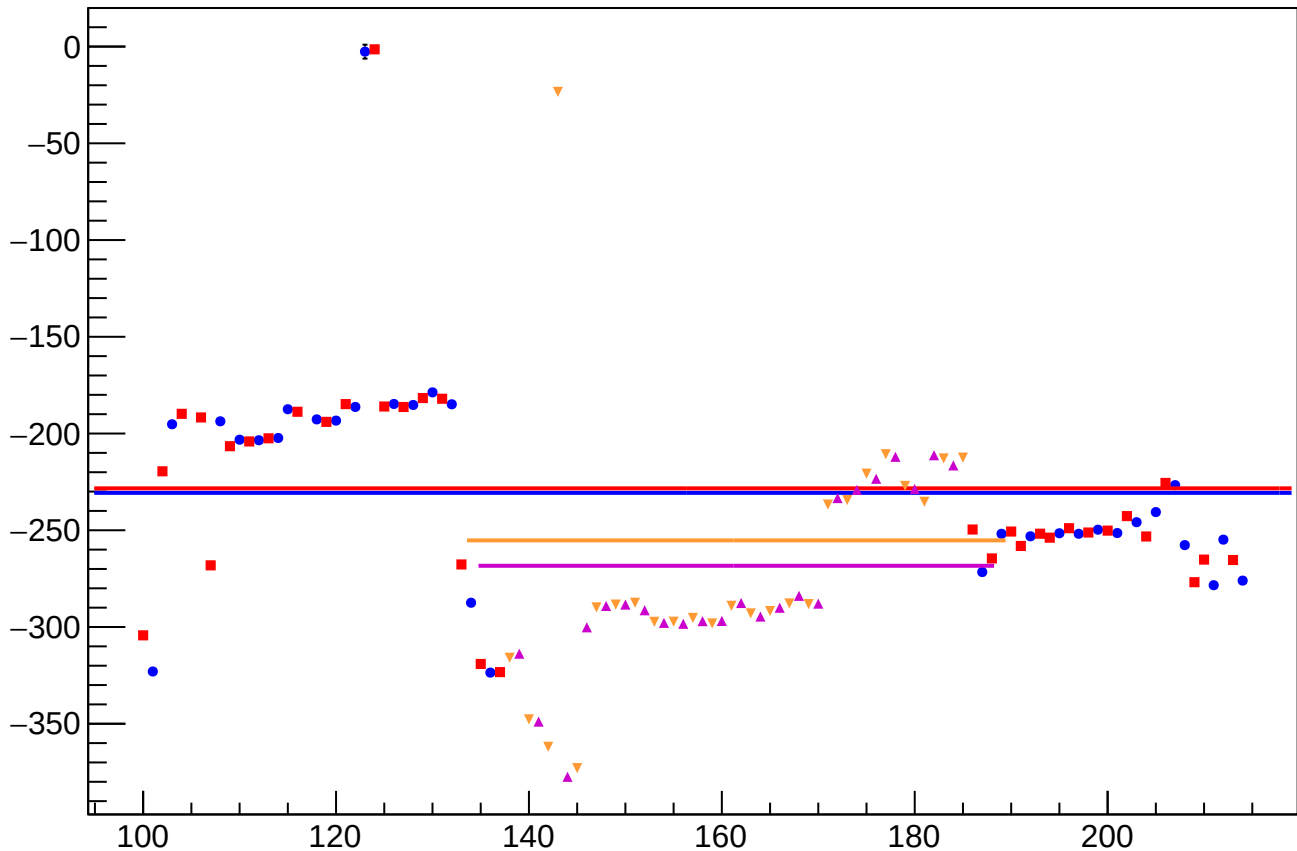
Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

+ sign 117.765 ± 1.307 $\chi^2/\text{NDF}: 2047.8/55$

All: 118.041 ± 0.930 $\chi^2/\text{NDF}: 3581.6/112$

- sign 118.325 ± 1.325 $\chi^2/\text{NDF}: 1533.6/56$

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -230.663 ± 0.106 $\chi^2/\text{NDF}: 175236.6/30$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -228.330 ± 0.101 $\chi^2/\text{NDF}: 156553.0/33$

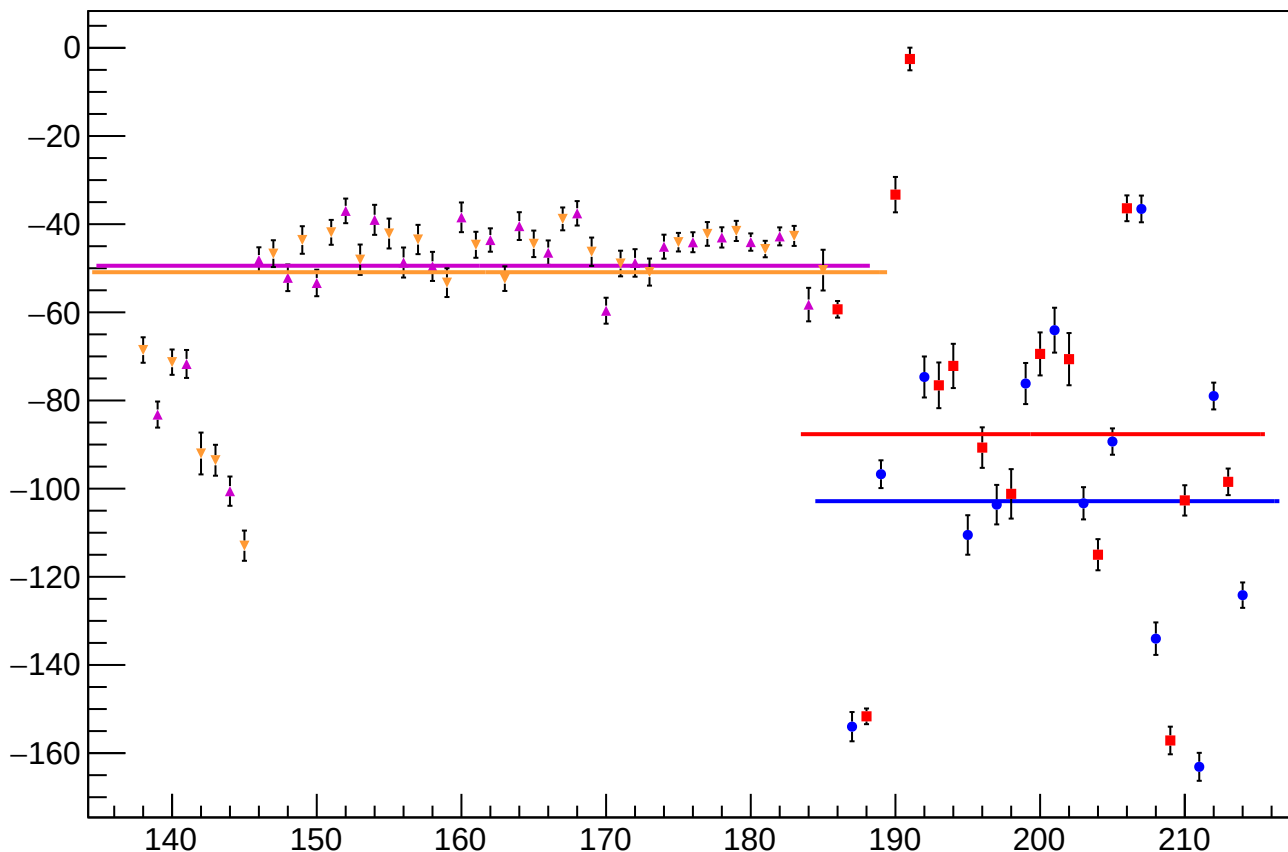
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -246.032 ± 0.065 $\chi^2/\text{NDF}: 936902.2/55$

All: -249.100 ± 0.046 $\chi^2/\text{NDF}: 1453200.8/11$

- sign -252.137 ± 0.064 $\chi^2/\text{NDF}: 511840.3/56$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -102.840 ± 0.945 $\chi^2/\text{NDF}: 1420.1/13$

Left Out: -50.897 ± 0.573 $\chi^2/\text{NDF}: 761.1/24$

Right Out: -87.642 ± 0.808 $\chi^2/\text{NDF}: 3732.2/14$

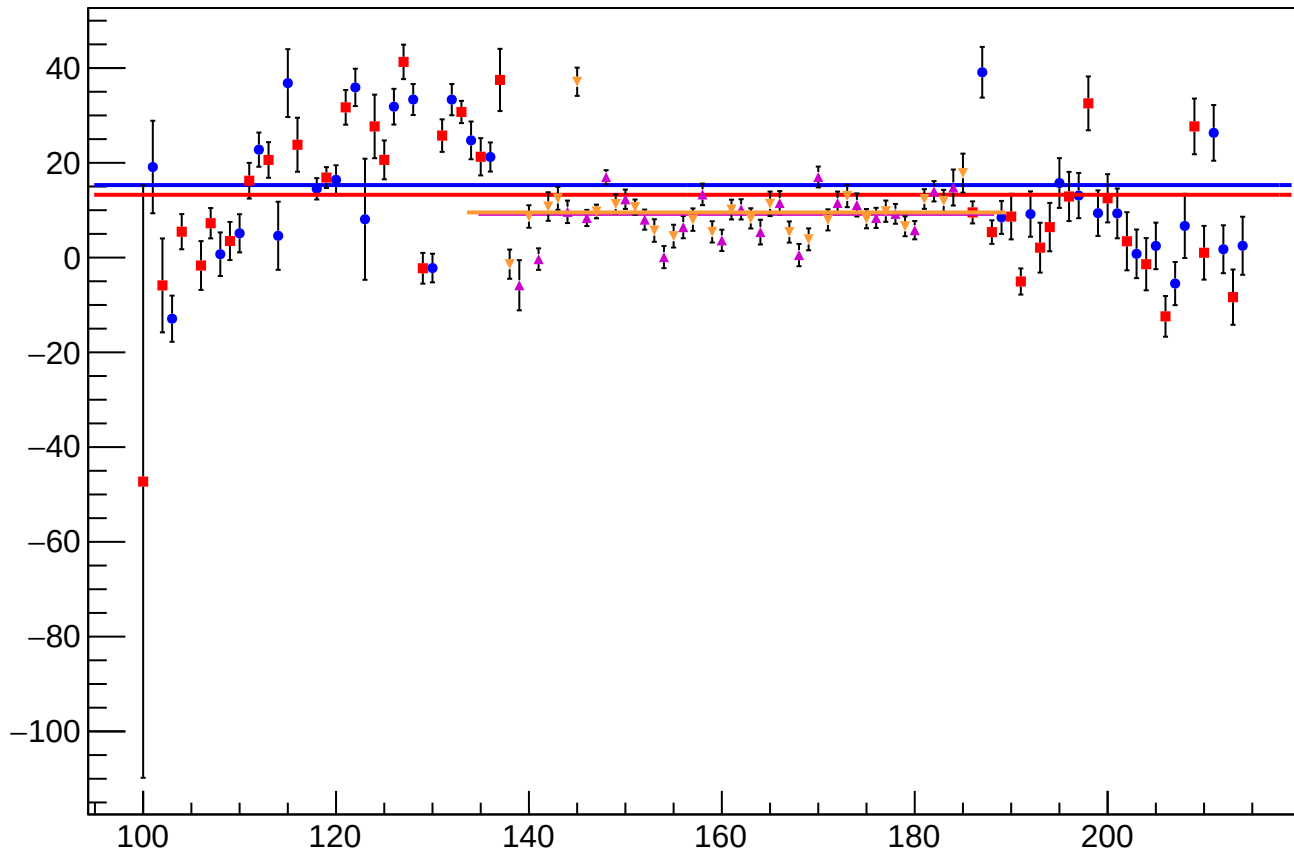
Left In: -49.432 ± 0.584 $\chi^2/\text{NDF}: 543.4/22$

+ sign -64.847 ± 0.490 $\chi^2/\text{NDF}: 4389.9/38$

All: -63.649 ± 0.340 $\chi^2/\text{NDF}: 10144.9/76$

- sign -62.530 ± 0.473 $\chi^2/\text{NDF}: 5743.5/37$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.303 $\pm$ 0.756 χ^2 /NDF: 297.0/30

Left Out: 9.530 $\pm$ 0.446 χ^2 /NDF:134.4/24

Right Out: 13.251 $\pm$ 0.667 χ^2 /NDF: 384.7/33

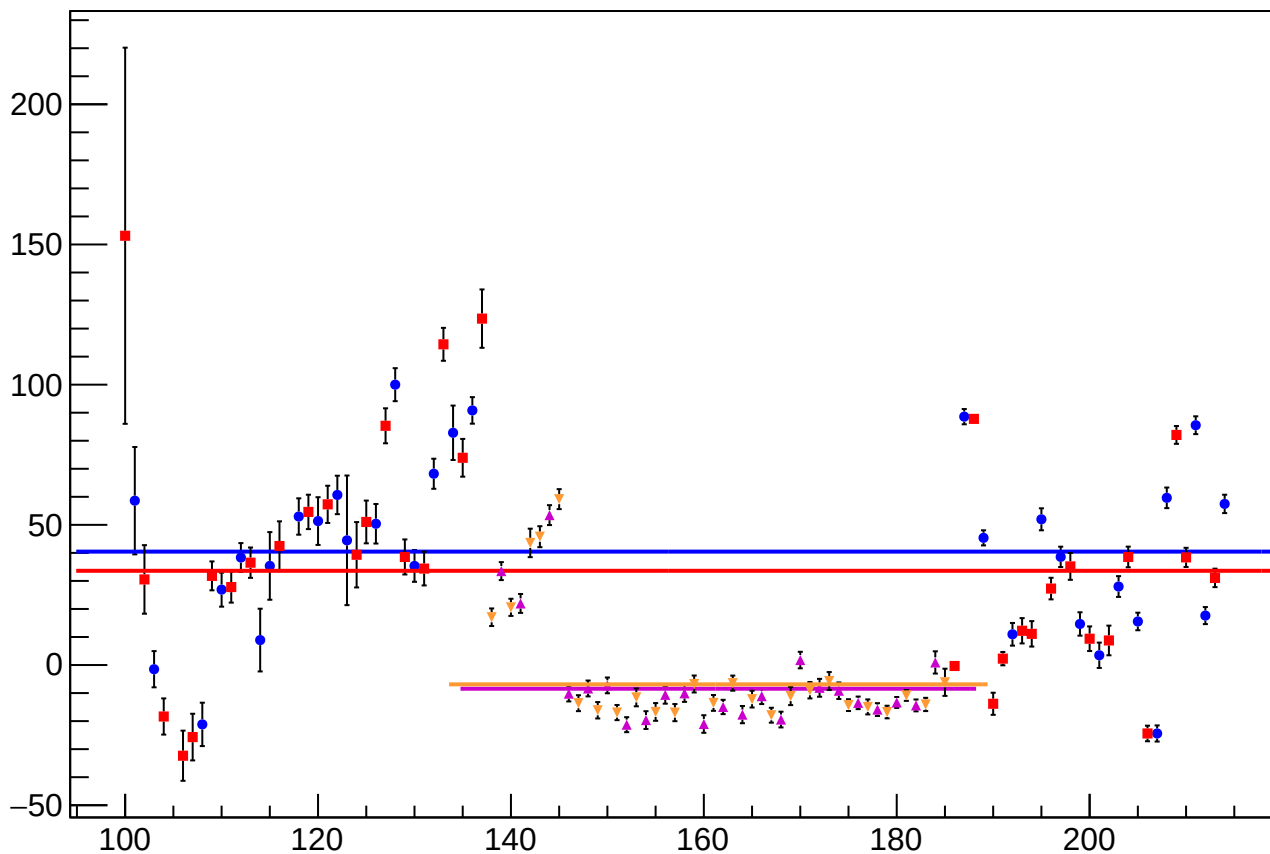
Left In: 9.231 $\pm$ 0.462 χ^2 /NDF:124.0/22

+ sign 11.020 $\pm$ 0.384 χ^2 /NDF: 474.6/55

All: 10.774 $\pm$ 0.270 χ^2 /NDF: 1008.7/112

- sign 10.532 $\pm$ 0.380 χ^2 /NDF: 533.2/56

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 40.455 $\pm$ 0.790 χ^2 /NDF: 1773.4/30

Left Out: -6.888 $\pm$ 0.571 χ^2 /NDF: 914.2/24

Right Out: 33.610 $\pm$ 0.655 χ^2 /NDF: 3596.7/33

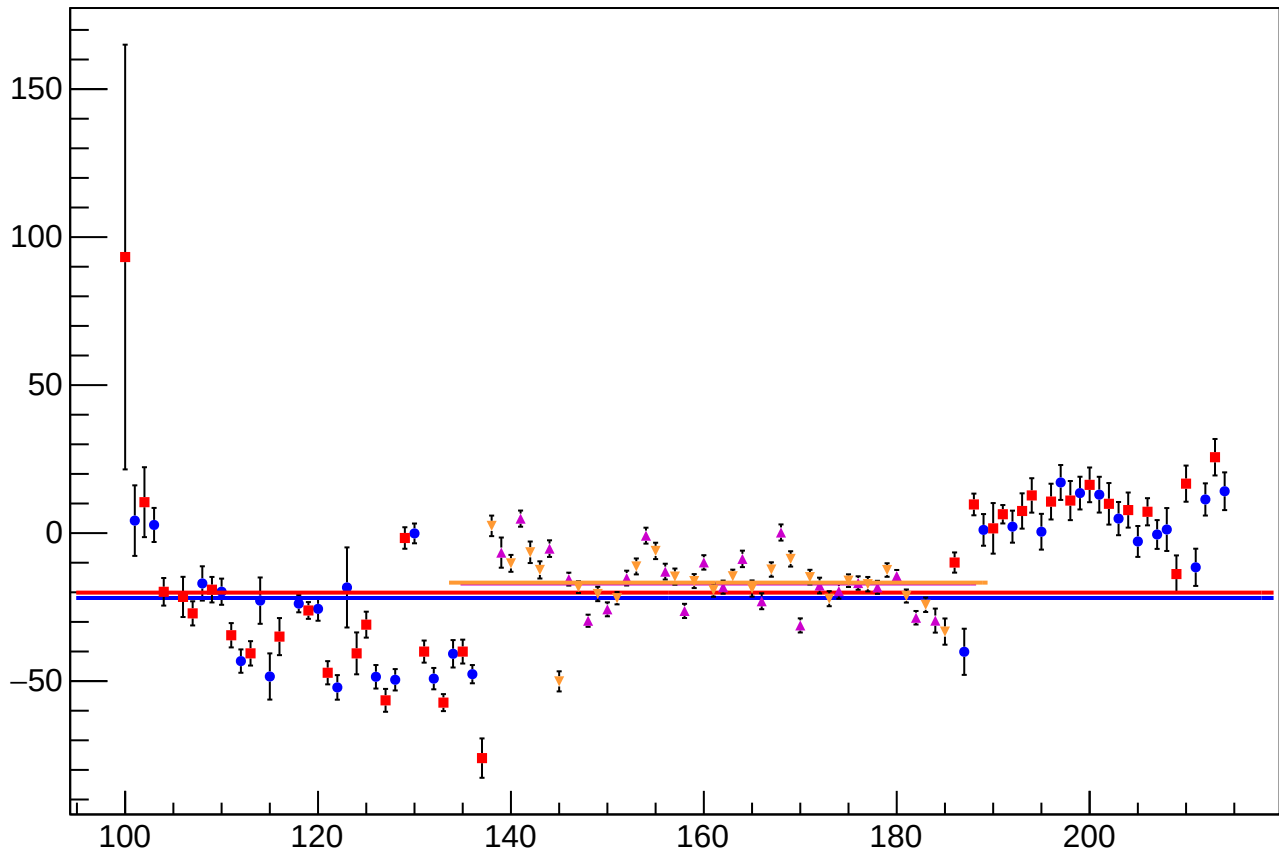
Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

+ sign 9.369 $\pm$ 0.463 χ^2 /NDF: 5048.3/55

All: 9.715 $\pm$ 0.317 χ^2 /NDF: 11646.0/112

- sign 10.019 $\pm$ 0.434 χ^2 /NDF: 6596.6/56

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -21.921 ± 0.867 χ^2/NDF : 722.4/30

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -20.104 ± 0.790 χ^2/NDF : 989.2/33

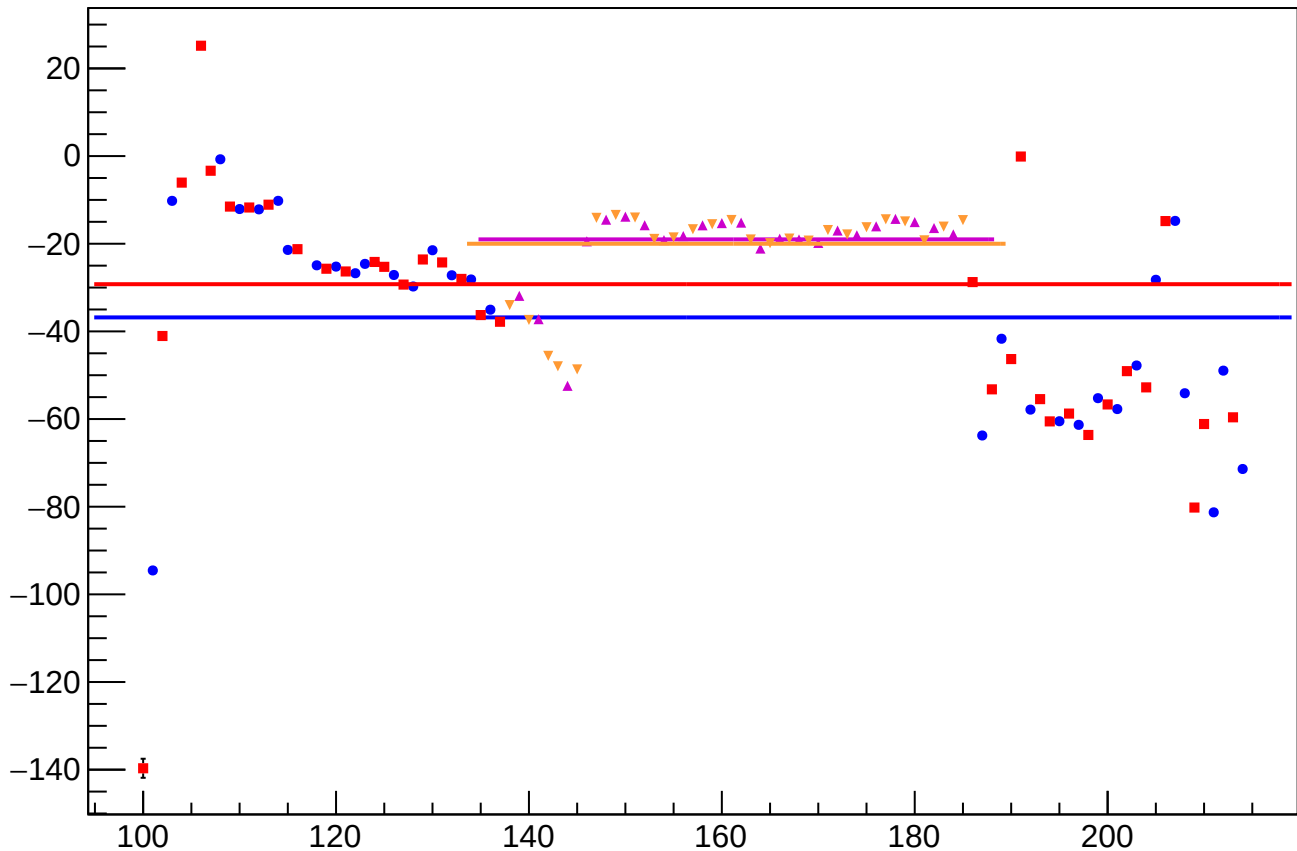
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -18.054 ± 0.437 χ^2/NDF : 972.4/55

All: -18.006 ± 0.309 χ^2/NDF : 2299.8/112

- sign -17.959 ± 0.435 χ^2/NDF : 1327.4/56

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -36.809 ± 0.041 $\chi^2/\text{NDF}: 254956.0/30$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -29.232 ± 0.036 $\chi^2/\text{NDF}: 469478.5/33$

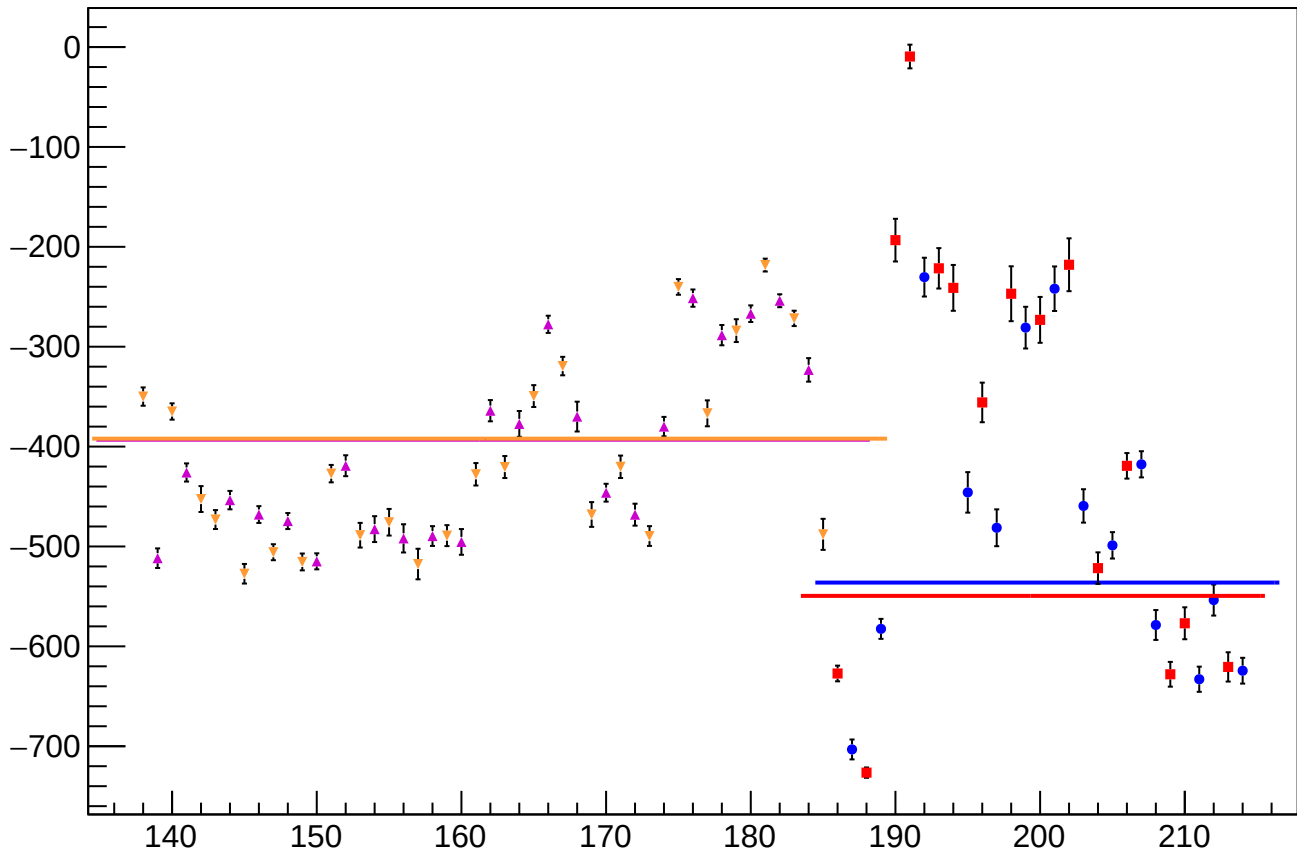
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -24.104 ± 0.020 $\chi^2/\text{NDF}: 527446.1/55$

All: -23.067 ± 0.014 $\chi^2/\text{NDF}: 1148904.2/112$

- sign -22.076 ± 0.020 $\chi^2/\text{NDF}: 616334.3/56$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -536.149 $\pm$ 3.823 χ^2 /NDF: 1128.6/13

Left Out: -392.054 $\pm$ 1.967 χ^2 /NDF: 2717.2/24

Right Out: -549.472 $\pm$ 3.170 χ^2 /NDF: 4752.3/14

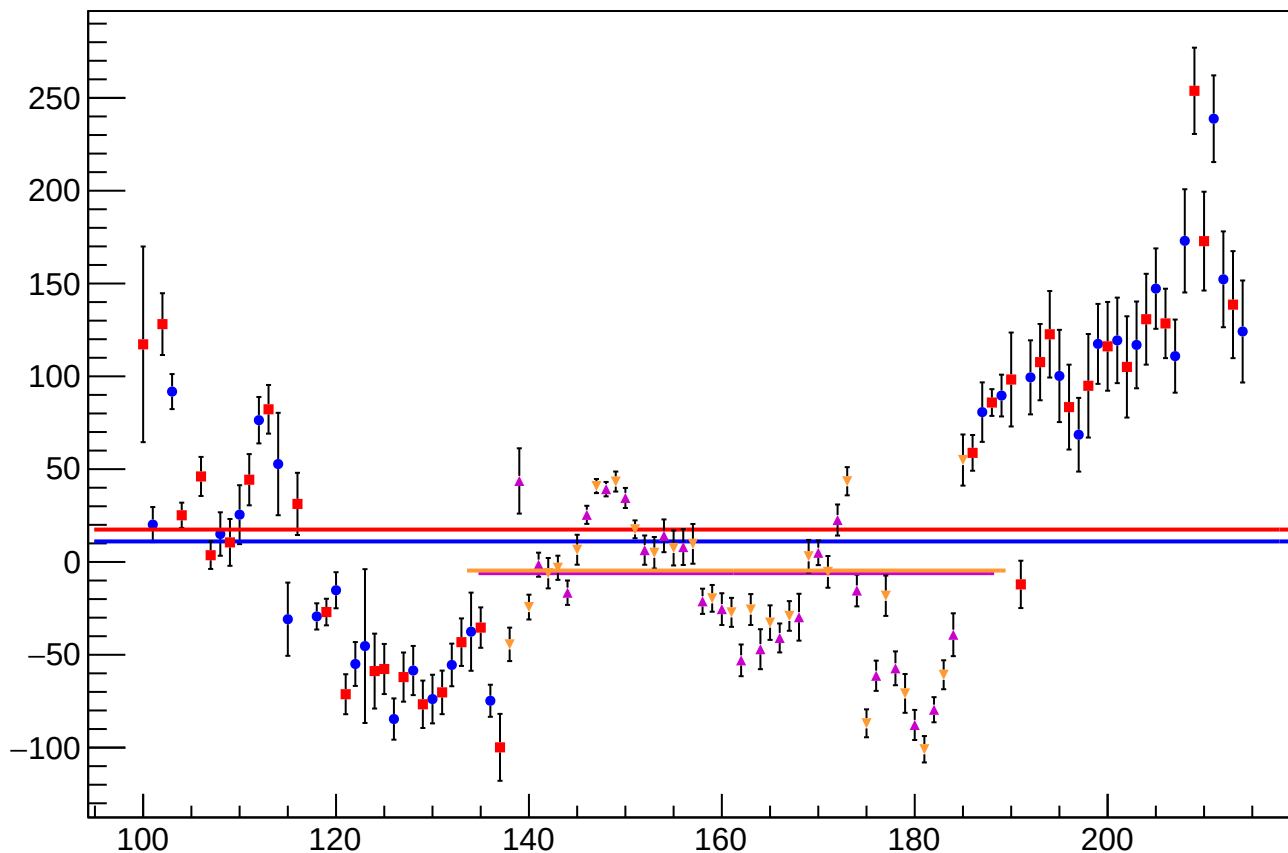
Left In: -393.113 $\pm$ 2.006 χ^2 /NDF: 2253.3/22

+ sign -422.207 $\pm$ 1.749 χ^2 /NDF: 4969.2/38

All: -430.248 $\pm$ 1.217 χ^2 /NDF: 13752.9/76

- sign -437.801 $\pm$ 1.695 χ^2 /NDF: 8742.8/37

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 11.068 $\pm$ 2.498 χ^2 /NDF: 880.4/30

Left Out: -4.624 $\pm$ 1.462 χ^2 /NDF: 772.9/24

Right Out: 17.457 $\pm$ 2.214 χ^2 /NDF: 894.5/33

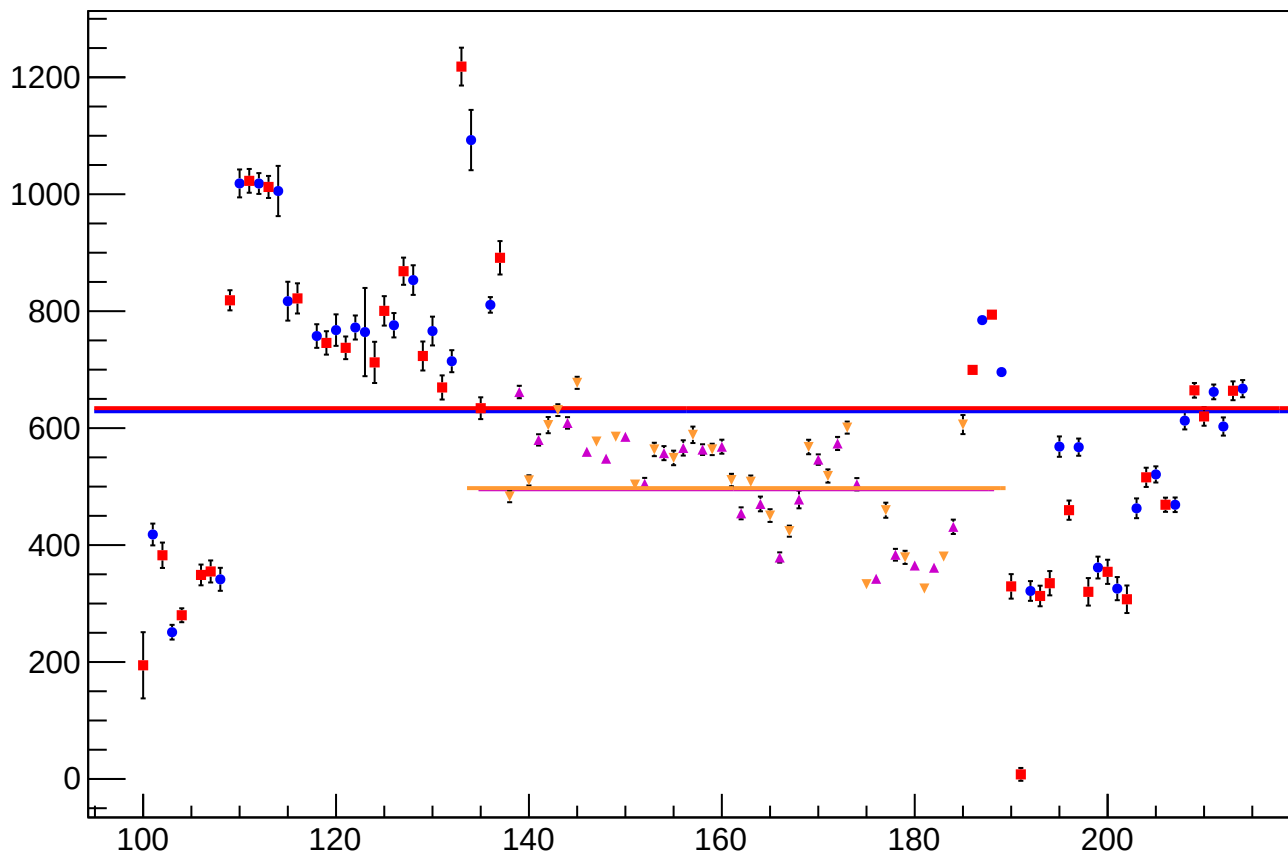
Left In: -6.019 $\pm$ 1.516 χ^2 /NDF: 654.1/22

+ sign -0.619 $\pm$ 1.262 χ^2 /NDF: 1682.7/55

All: 0.436 $\pm$ 0.888 χ^2 /NDF: 3309.1/112

- sign 1.474 $\pm$ 1.251 χ^2 /NDF: 1625.1/56

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 628.861 $\pm$ 2.889 χ^2 /NDF: 4230.1/30

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF: 2614.6/24

Right Out: 634.135 $\pm$ 2.372 χ^2 /NDF: 9632.3/33

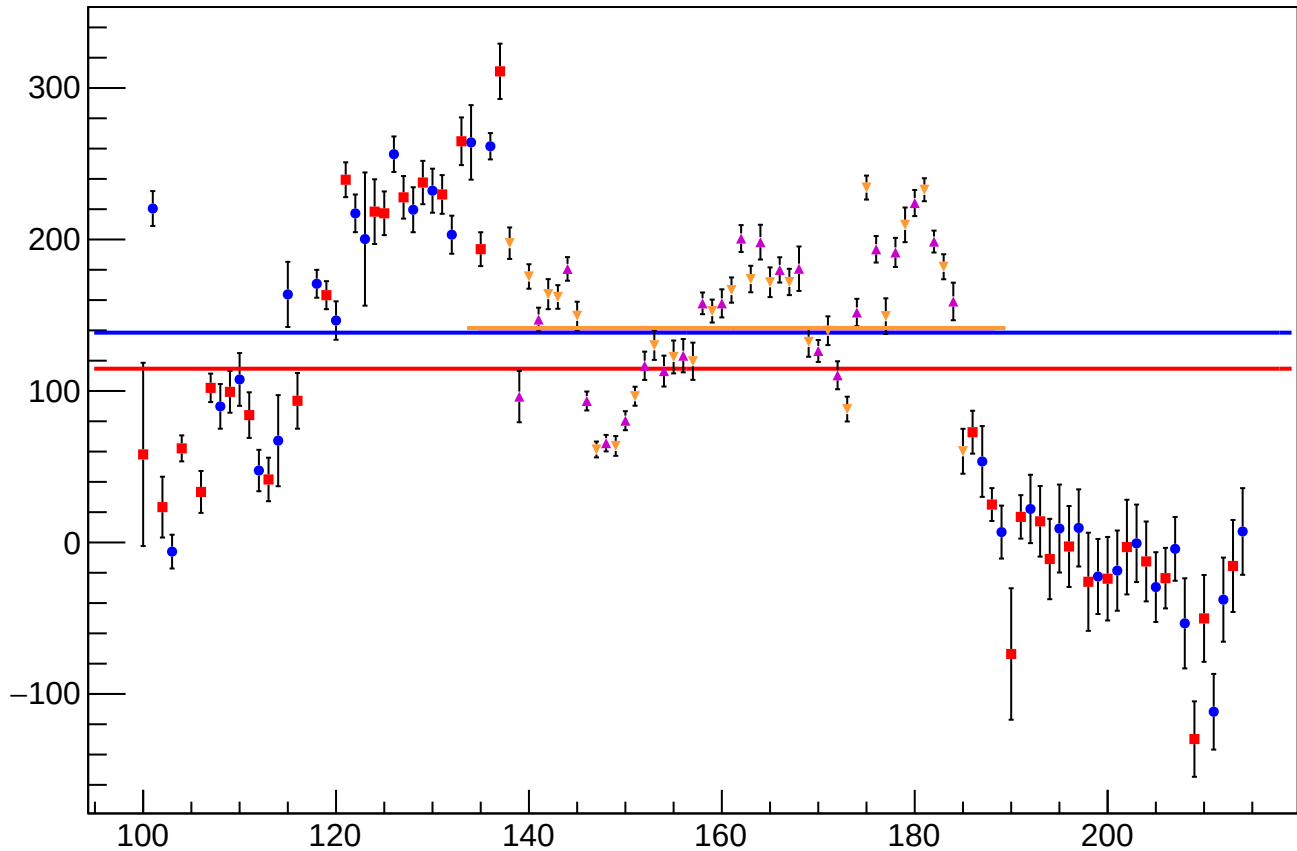
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 538.988 $\pm$ 1.625 χ^2 /NDF: 8260.2/55

All: 546.335 $\pm$ 1.112 χ^2 /NDF: 22188.9/112

- sign 552.808 $\pm$ 1.526 χ^2 /NDF: 13890.3/56

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 138.504 $\pm$ 2.902 χ^2 /NDF: 1317.1/30

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 114.714 $\pm$ 2.649 χ^2 /NDF: 1304.0/33

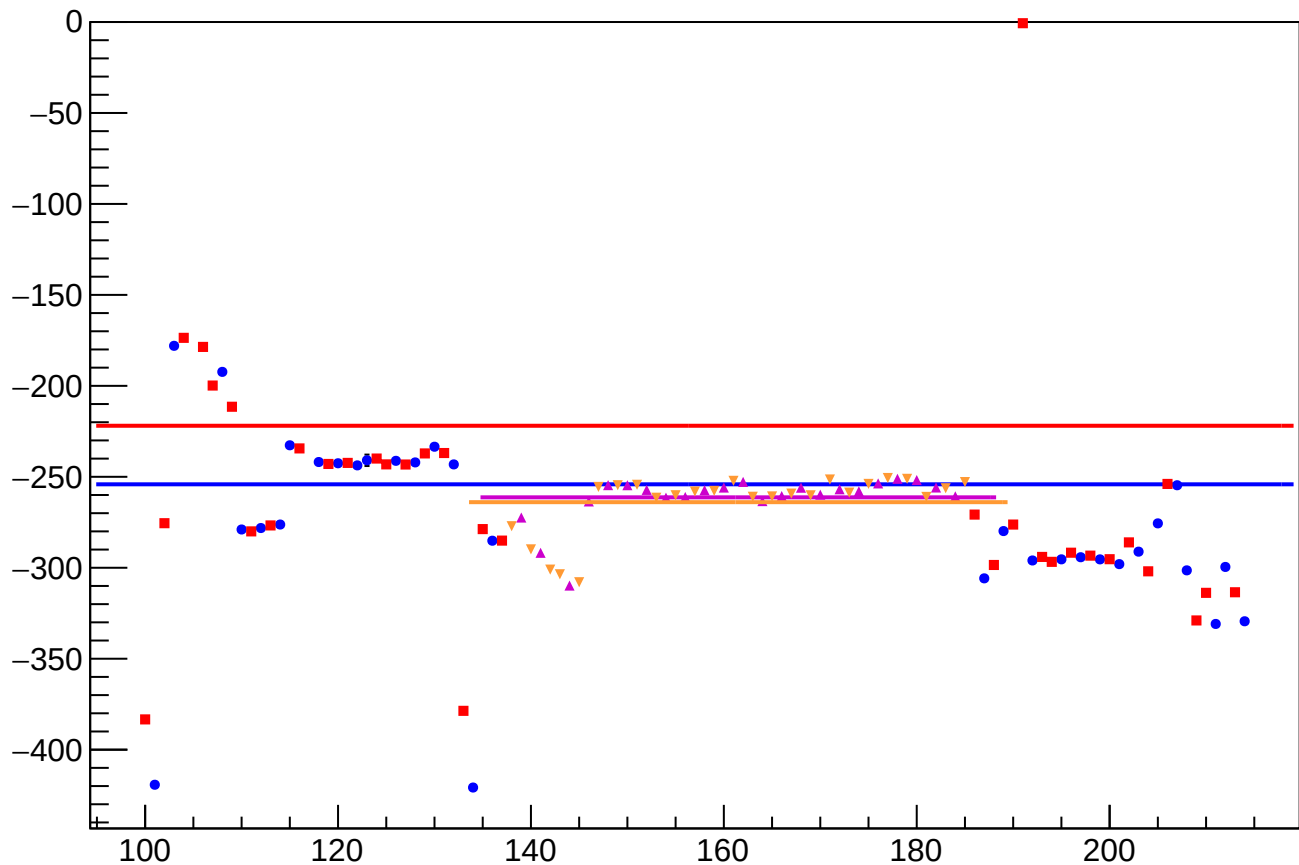
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 140.802 $\pm$ 1.466 χ^2 /NDF: 2277.5/55

All: 137.023 $\pm$ 1.034 χ^2 /NDF: 4406.4/112

- sign 133.279 $\pm$ 1.459 χ^2 /NDF: 2115.7/56

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -254.127 ± 0.135 $\chi^2/\text{NDF}: 205198.4/30$

Left Out: -263.943 ± 0.081 $\chi^2/\text{NDF}: 39085.0/24$

Right Out: -221.938 ± 0.121 $\chi^2/\text{NDF}: 510368.6/33$

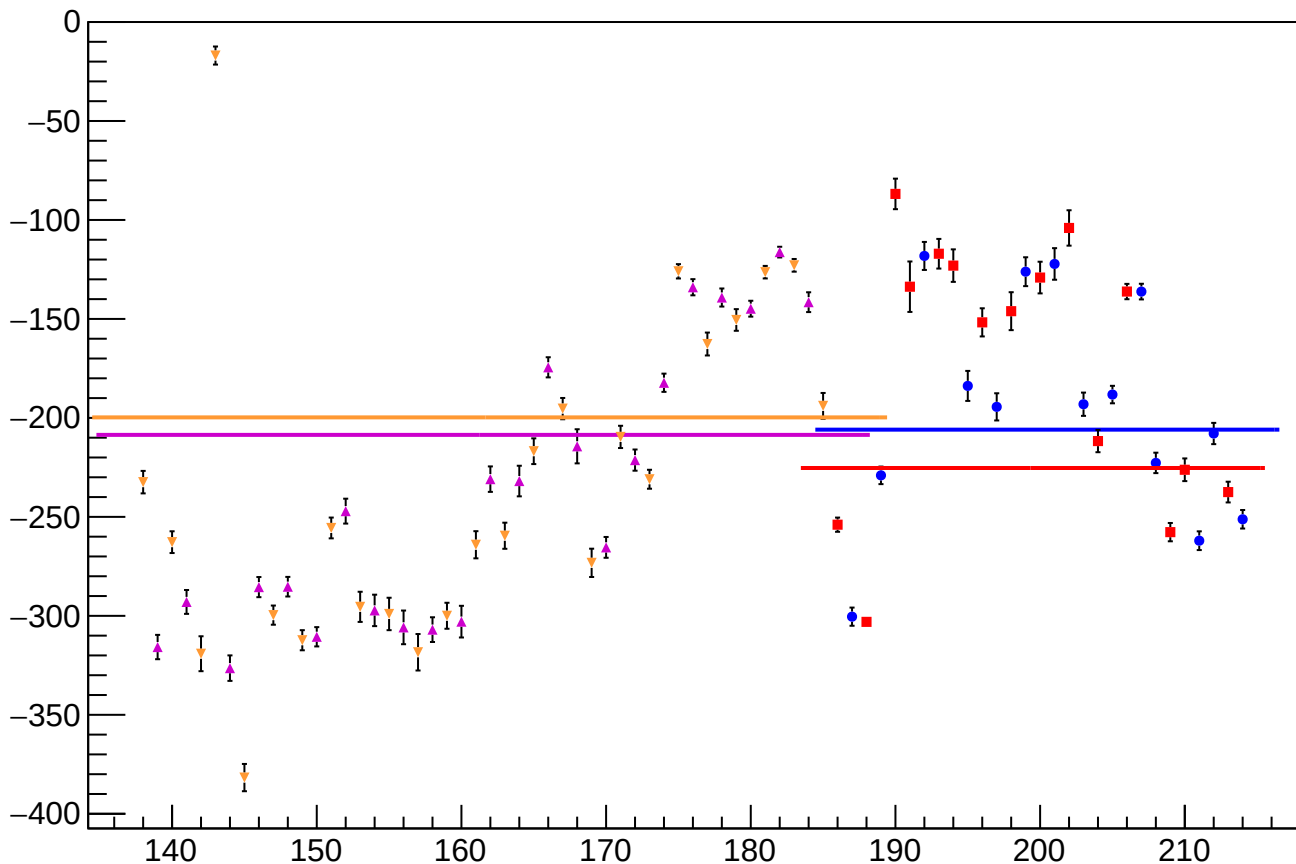
Left In: -261.286 ± 0.082 $\chi^2/\text{NDF}: 23348.4/22$

+ sign -261.330 ± 0.070 $\chi^2/\text{NDF}: 248170.1/55$

All: -255.004 ± 0.049 $\chi^2/\text{NDF}: 870120.1/112$

- sign -248.974 ± 0.068 $\chi^2/\text{NDF}: 605813.6/56$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -205.935 $\pm$ 1.417 χ^2/NDF : 1422.2/13

Left Out: -199.741 $\pm$ 1.061 χ^2/NDF : 6361.5/24

Right Out: -225.309 $\pm$ 1.311 χ^2/NDF : 2970.4/14

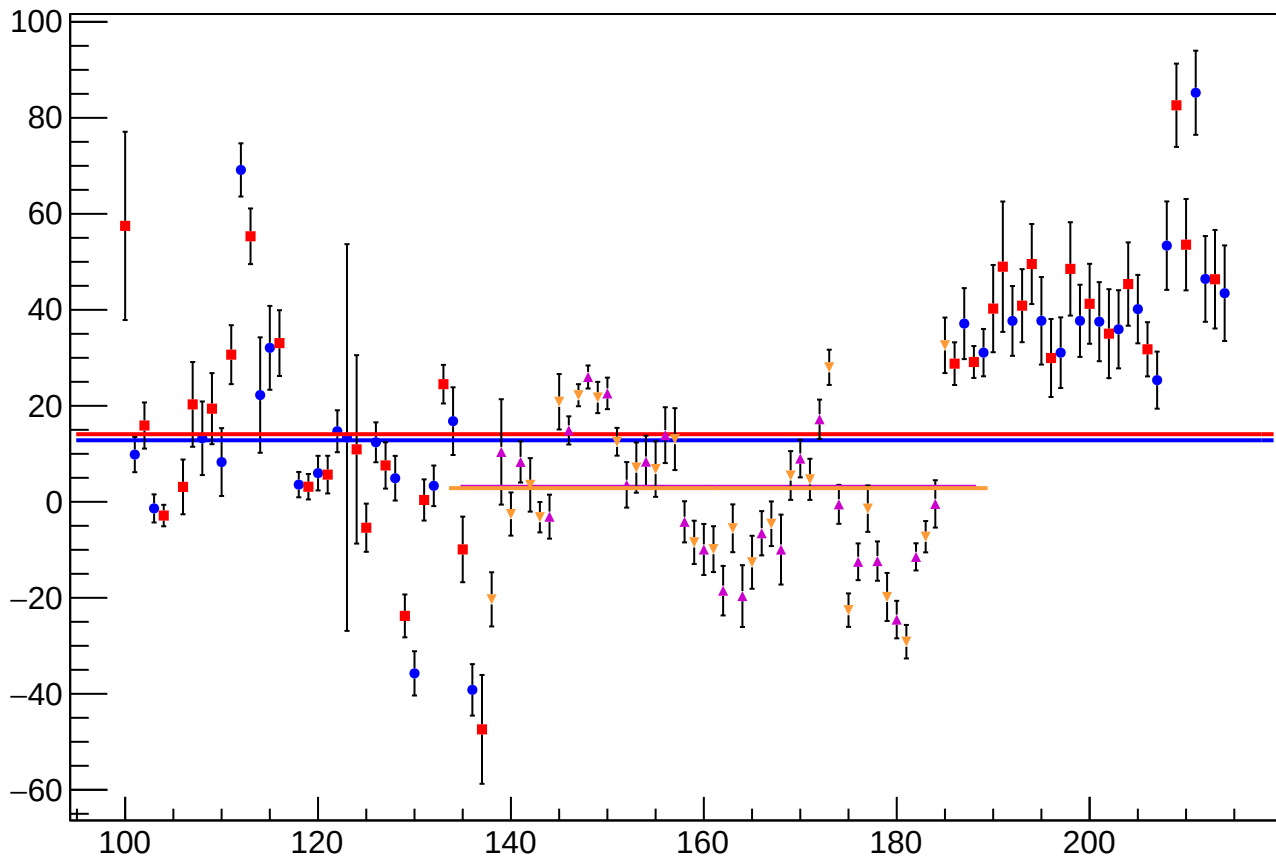
Left In: -208.579 $\pm$ 1.082 χ^2/NDF : 4805.1/22

+ sign -201.967 $\pm$ 0.849 χ^2/NDF : 7796.0/38

All: -208.781 $\pm$ 0.595 χ^2/NDF : 15794.8/76

- sign -215.360 $\pm$ 0.835 χ^2/NDF : 7872.4/37

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.820 $\pm$ 0.968 χ^2 /NDF: 570.8/30

Left Out: 2.853 $\pm$ 0.820 χ^2 /NDF: 419.8/24

Right Out: 14.089 $\pm$ 0.915 χ^2 /NDF: 523.1/33

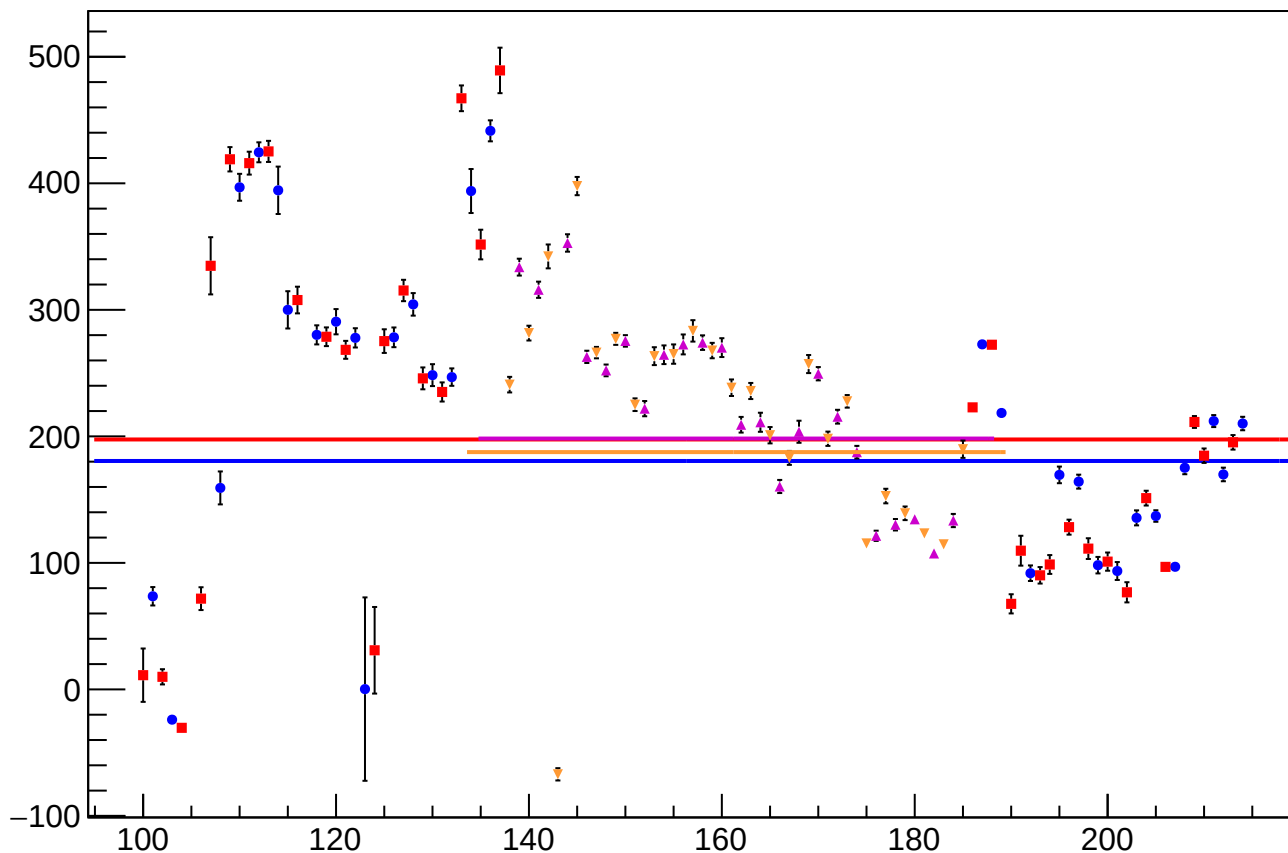
Left In: 3.136 $\pm$ 0.857 χ^2 /NDF: 319.8/22

+ sign 7.017 $\pm$ 0.626 χ^2 /NDF: 1052.4/55

All: 7.634 $\pm$ 0.442 χ^2 /NDF: 1973.6/112

- sign 8.251 $\pm$ 0.625 χ^2 /NDF: 919.2/56

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 180.542 $\pm$ 1.104 χ^2 /NDF: 8769.8/30

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF:7082.0/24

Right Out: 197.544 $\pm$ 0.990 χ^2 /NDF: 12144.8/33

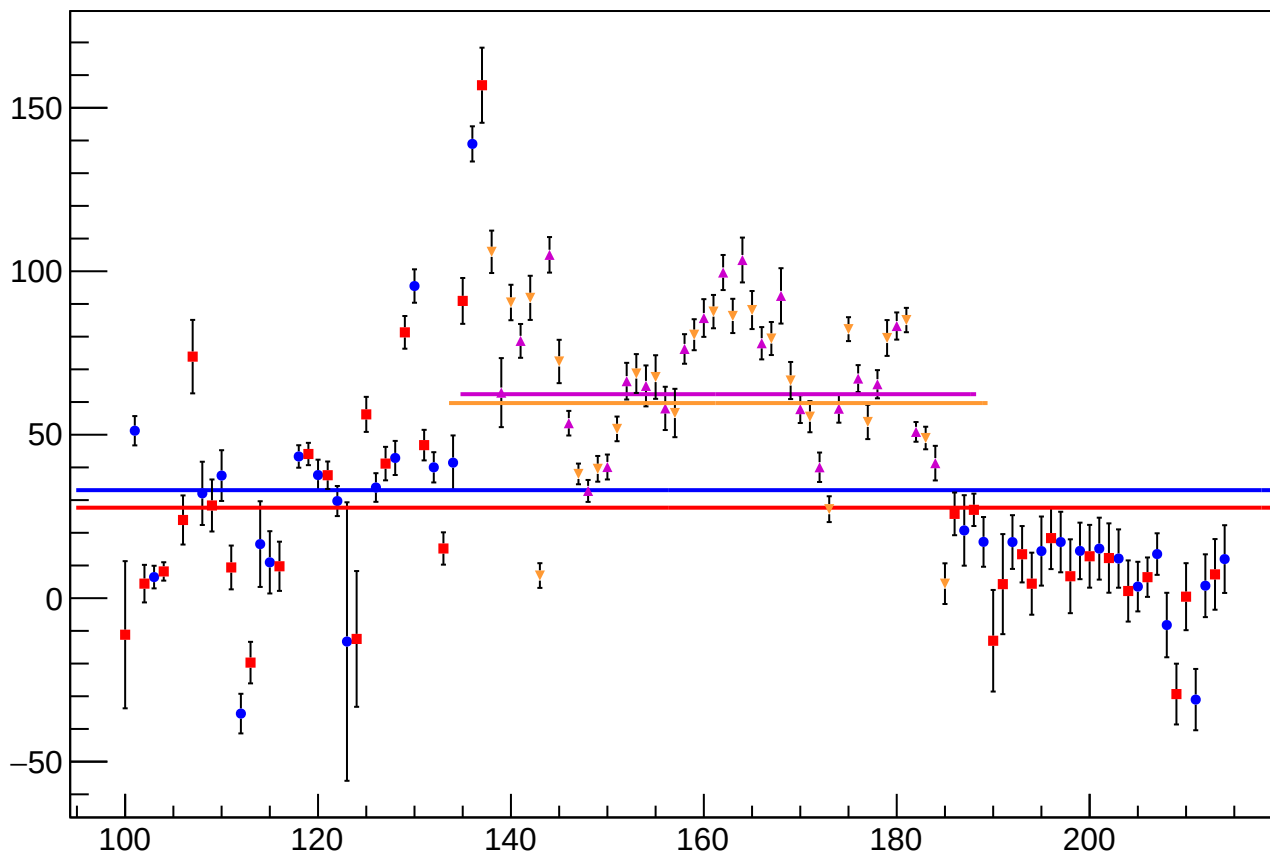
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF:4515.8/22

+ sign 184.177 $\pm$ 0.767 χ^2 /NDF: 15872.8/55

All: 191.359 $\pm$ 0.529 χ^2 /NDF: 32701.0/112

- sign 197.874 $\pm$ 0.730 χ^2 /NDF: 16660.9/56

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 33.043 $\pm$ 1.127 χ^2/NDF : 896.3/30

Left Out: 59.682 $\pm$ 0.941 χ^2/NDF :757.6/24

Right Out: 27.682 $\pm$ -1.090 χ^2/NDF : 662.2/33

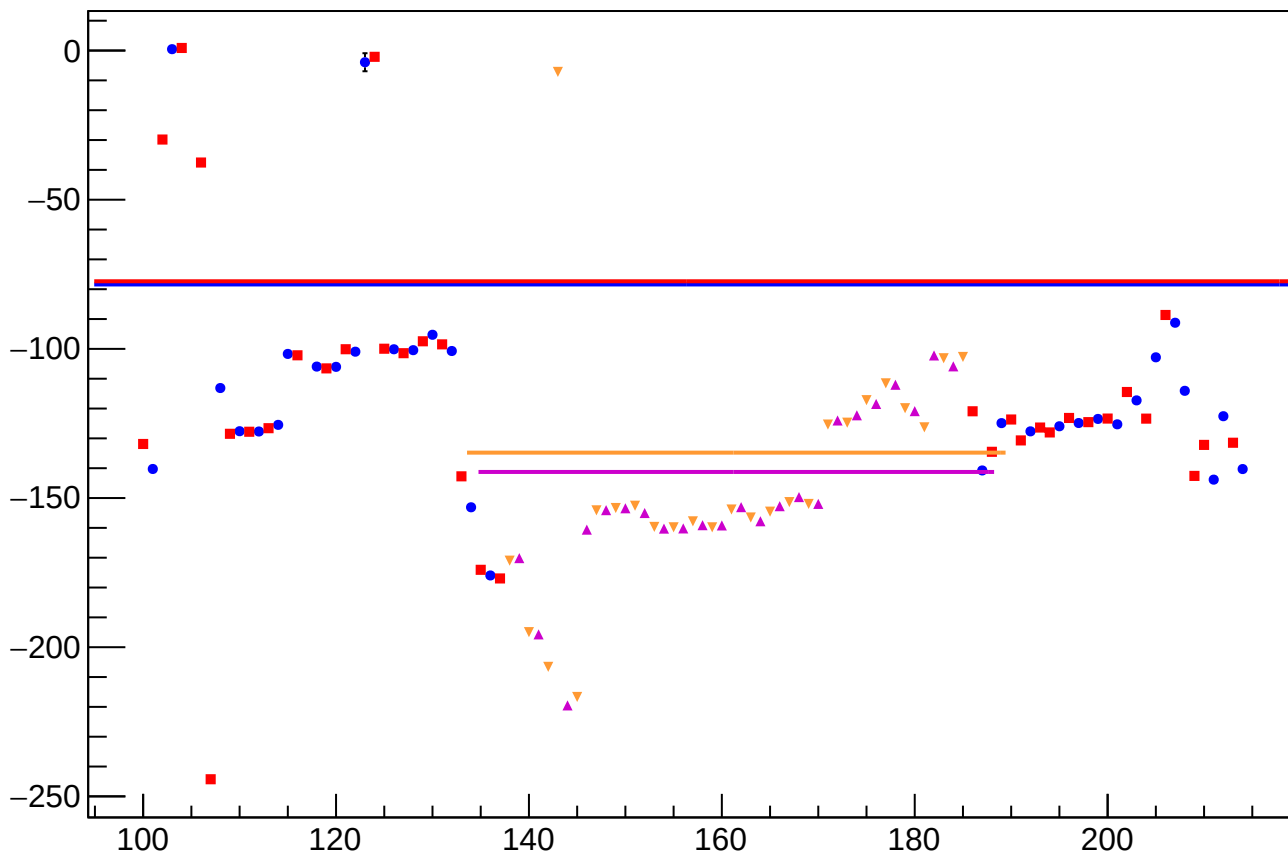
Left In: 62.400 $\pm$ -0.974 χ^2/NDF :406.3/22

+ sign 48.743 $\pm$ -0.722 χ^2/NDF : 1983.1/55

All: 47.866 $\pm$ -0.512 χ^2/NDF : 3618.7/112

- sign 46.979 $\pm$ -0.726 χ^2/NDF : 1632.6/56

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -78.409 $\pm$ 0.050 χ^2 /NDF: 1458995.2/30

Left Out: -134.780 $\pm$ 0.045 χ^2 /NDF: 804747.3/24

Right Out: -77.340 $\pm$ 0.049 χ^2 /NDF: 1443026.2/33

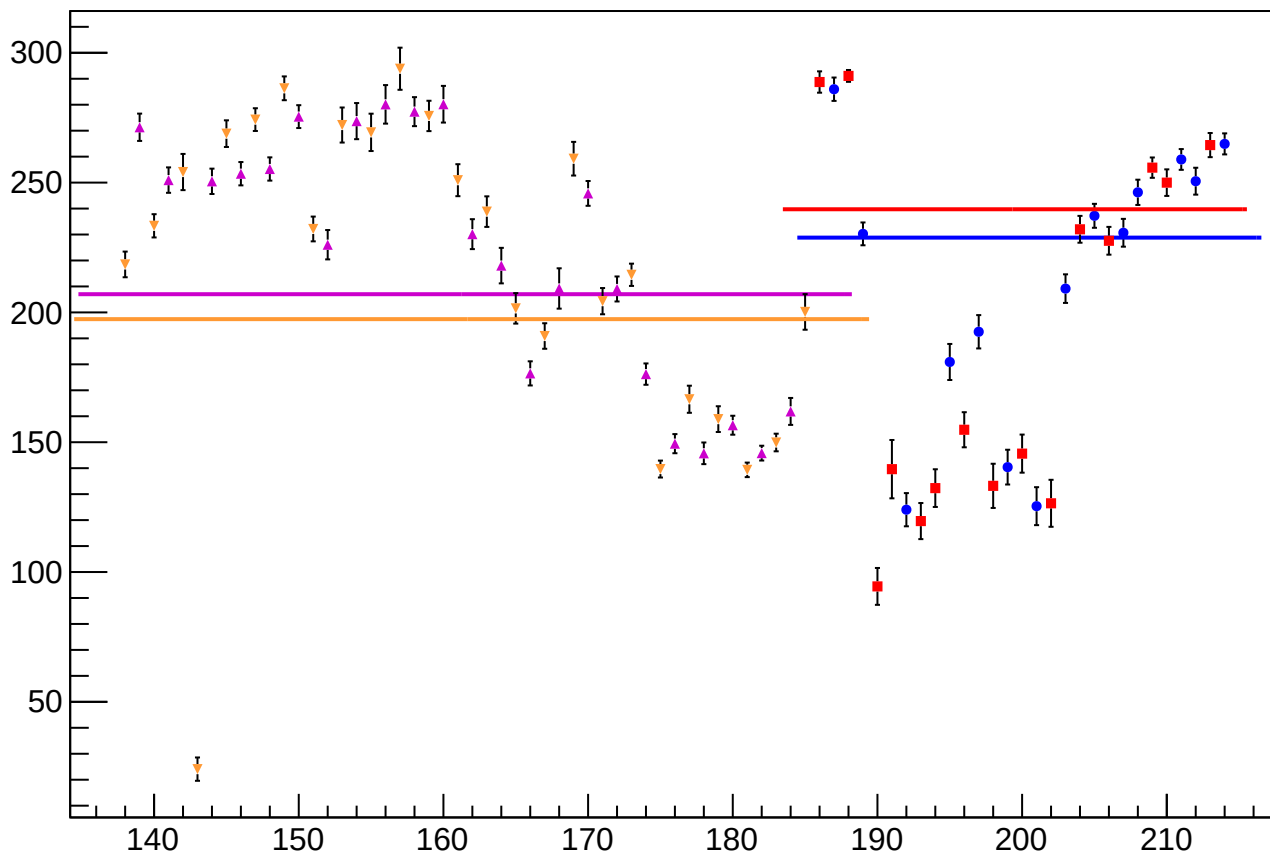
Left In: -141.255 $\pm$ 0.045 χ^2 /NDF: 347229.8/22

+ sign -110.105 $\pm$ 0.033 χ^2 /NDF: 2966058.2/55

All: -110.969 $\pm$ 0.024 χ^2 /NDF: 5674603.7/11

- sign -111.827 $\pm$ 0.033 χ^2 /NDF: 2707210.9/56

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 228.808 ± 1.374 χ^2/NDF : 1066.7/13

Left Out: 197.408 ± 0.963 χ^2/NDF : 4384.2/24

Right Out: 239.729 ± 1.283 χ^2/NDF : 2357.2/14

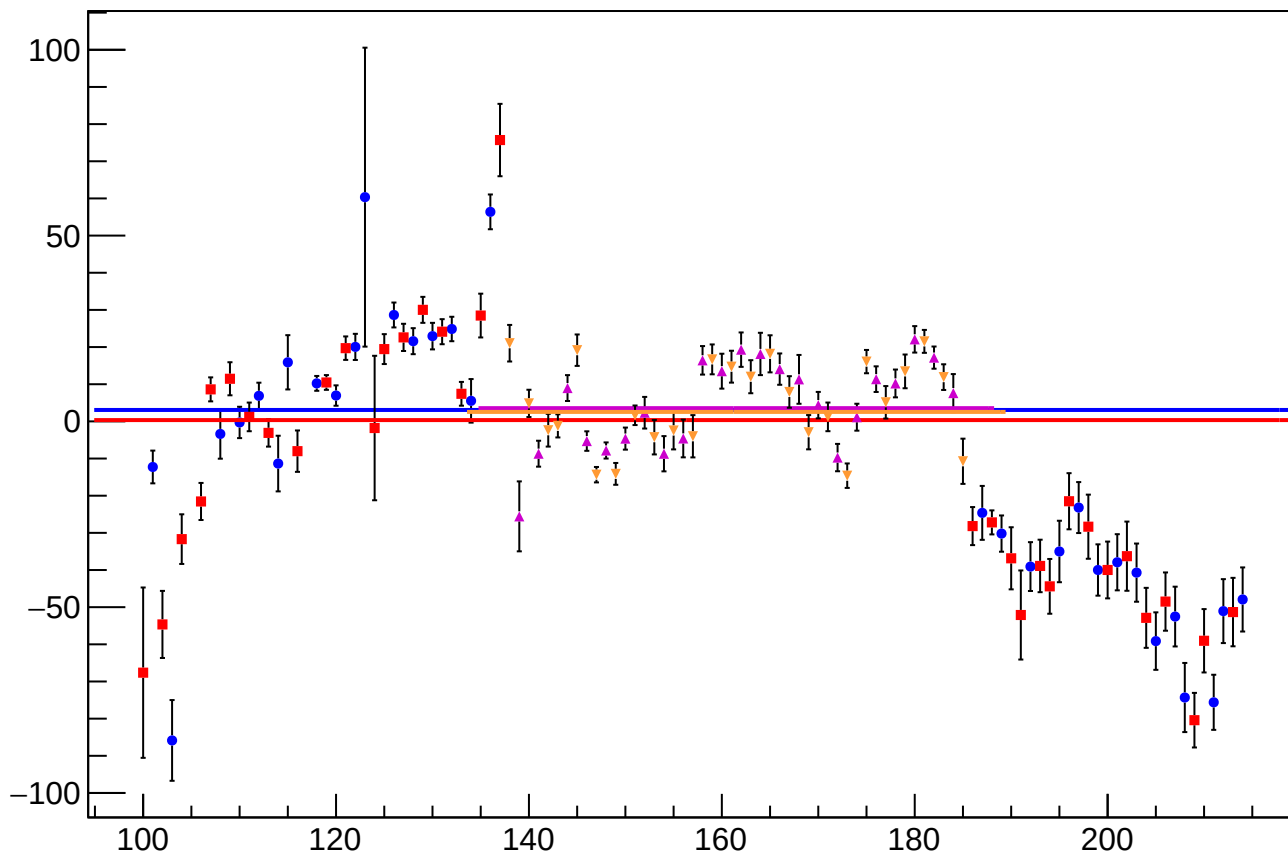
Left In: 207.014 ± 0.990 χ^2/NDF : 2611.5/22

+ sign 207.746 ± 0.789 χ^2/NDF : 5801.0/38

All: 213.522 ± 0.556 χ^2/NDF : 11283.9/76

- sign 219.228 ± 0.784 χ^2/NDF : 5376.3/37

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 3.073 ± 0.845 χ^2/NDF : 1026.3/30

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: 0.347 ± 0.810 χ^2/NDF : 992.7/33

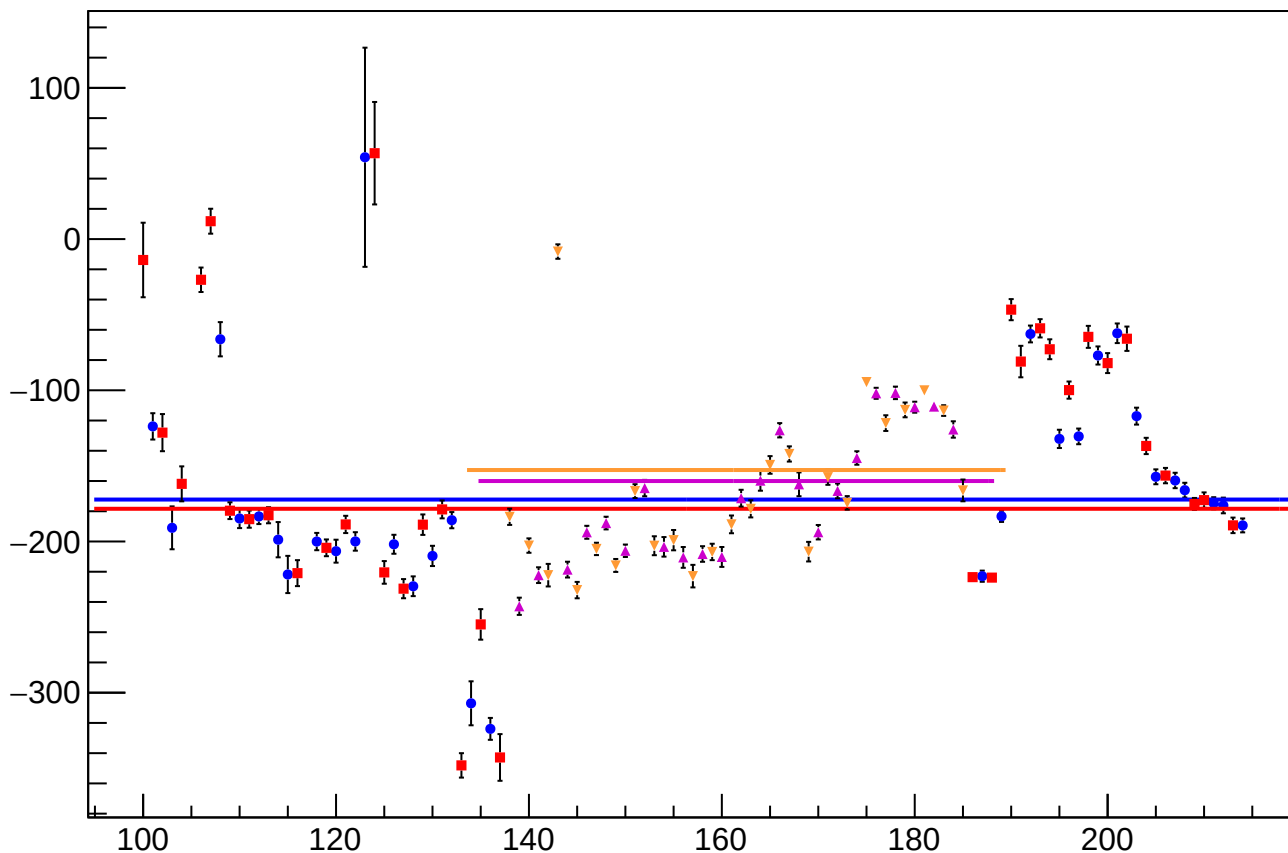
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 2.776 ± 0.557 χ^2/NDF : 1301.9/55

All: 2.403 ± 0.395 χ^2/NDF : 2495.7/112

- sign 2.026 ± 0.560 χ^2/NDF : 1192.9/56

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -172.262 ± 1.052 $\chi^2/\text{NDF}: 2248.2/30$

Left Out: -152.738 ± 0.967 $\chi^2/\text{NDF}: 3077.8/24$

Right Out: -178.371 ± 0.947 $\chi^2/\text{NDF}: 4584.8/33$

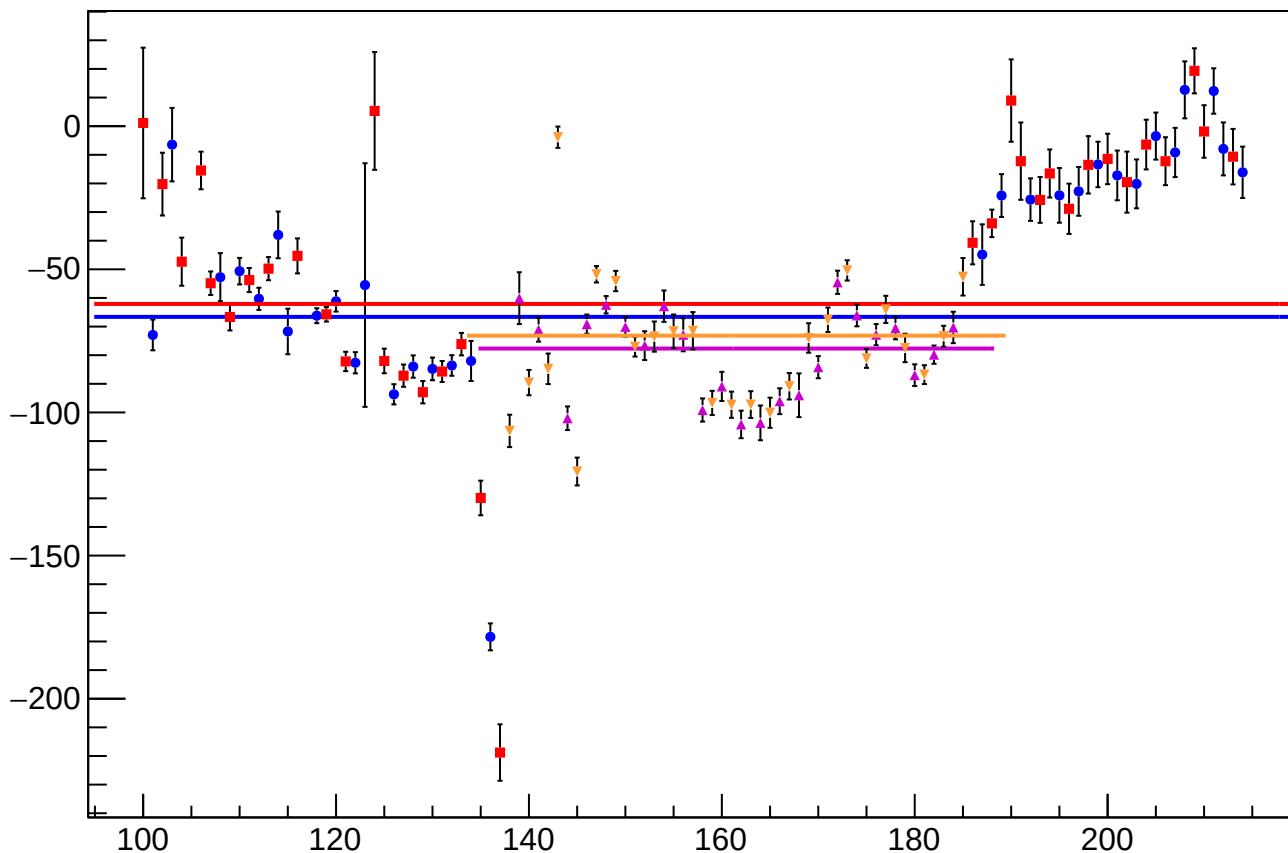
Left In: -160.021 ± 0.989 $\chi^2/\text{NDF}: 2024.4/22$

+ sign -161.676 ± 0.712 $\chi^2/\text{NDF}: 5512.6/55$

All: -165.794 ± 0.493 $\chi^2/\text{NDF}: 12365.8/112$

- sign -169.593 ± 0.684 $\chi^2/\text{NDF}: 6788.8/56$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -66.612 $\pm$ 0.980 χ^2/NDF : 1324.6/30

Left Out: -73.165 $\pm$ 0.851 χ^2/NDF : 788.6/24

Right Out: -62.095 $\pm$ 0.948 χ^2/NDF : 1175.8/33

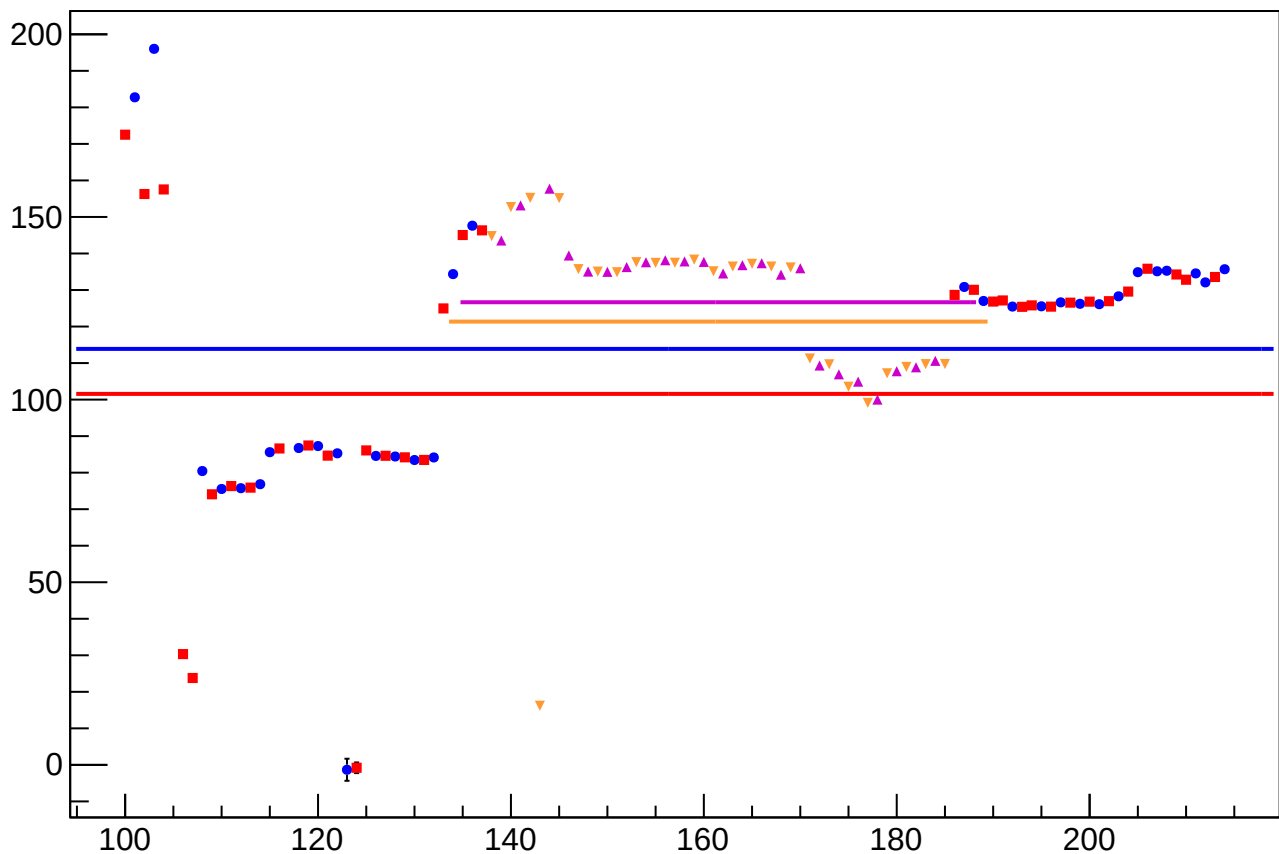
Left In: -77.678 $\pm$ 0.883 χ^2/NDF : 248.3/22

+ sign -70.346 $\pm$ 0.643 χ^2/NDF : 2138.7/55

All: -70.393 $\pm$ 0.456 χ^2/NDF : 3707.5/112

- sign -70.441 $\pm$ 0.646 χ^2/NDF : 1568.7/56

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 113.880 +/- 0.054 χ^2/NDF : 326398.9/30

Left Out: 121.356 +/- 0.040 χ^2/NDF : 481977.3/24

Right Out: 101.562 +/- 0.050 χ^2/NDF : 599530.2/33

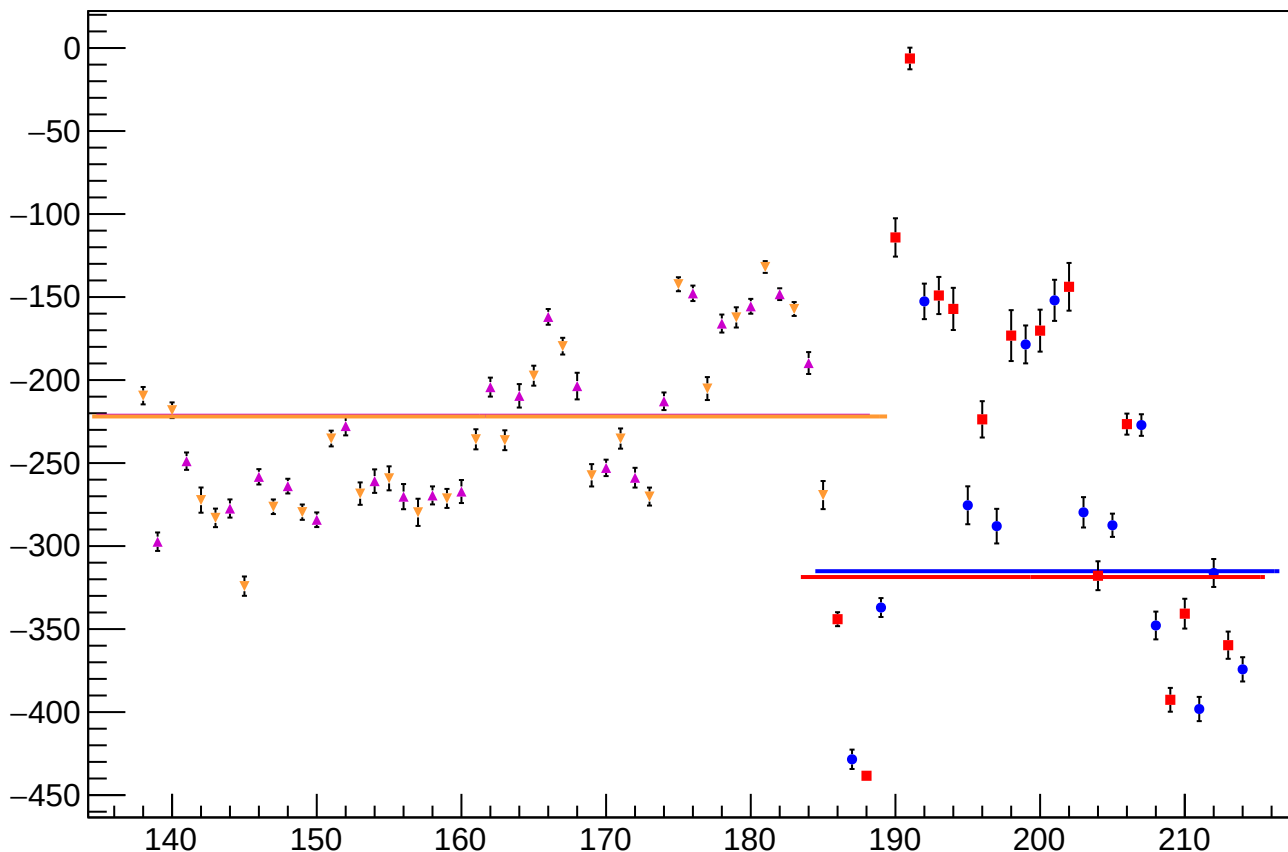
Left In: 126.653 +/- 0.041 χ^2/NDF : 163046.1/22

+ sign 118.712 +/- 0.032 χ^2/NDF : 820544.4/55

All: 117.630 +/- 0.023 χ^2/NDF : 1734962.2/112

- sign 116.589 +/- 0.032 χ^2/NDF : 912231.4/56

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -315.130 ± 2.123 χ^2/NDF : 1382.1/13

Left Out: -221.934 ± 1.084 χ^2/NDF : 2578.4/24

Right Out: -318.643 ± 1.771 χ^2/NDF : 5391.6/14

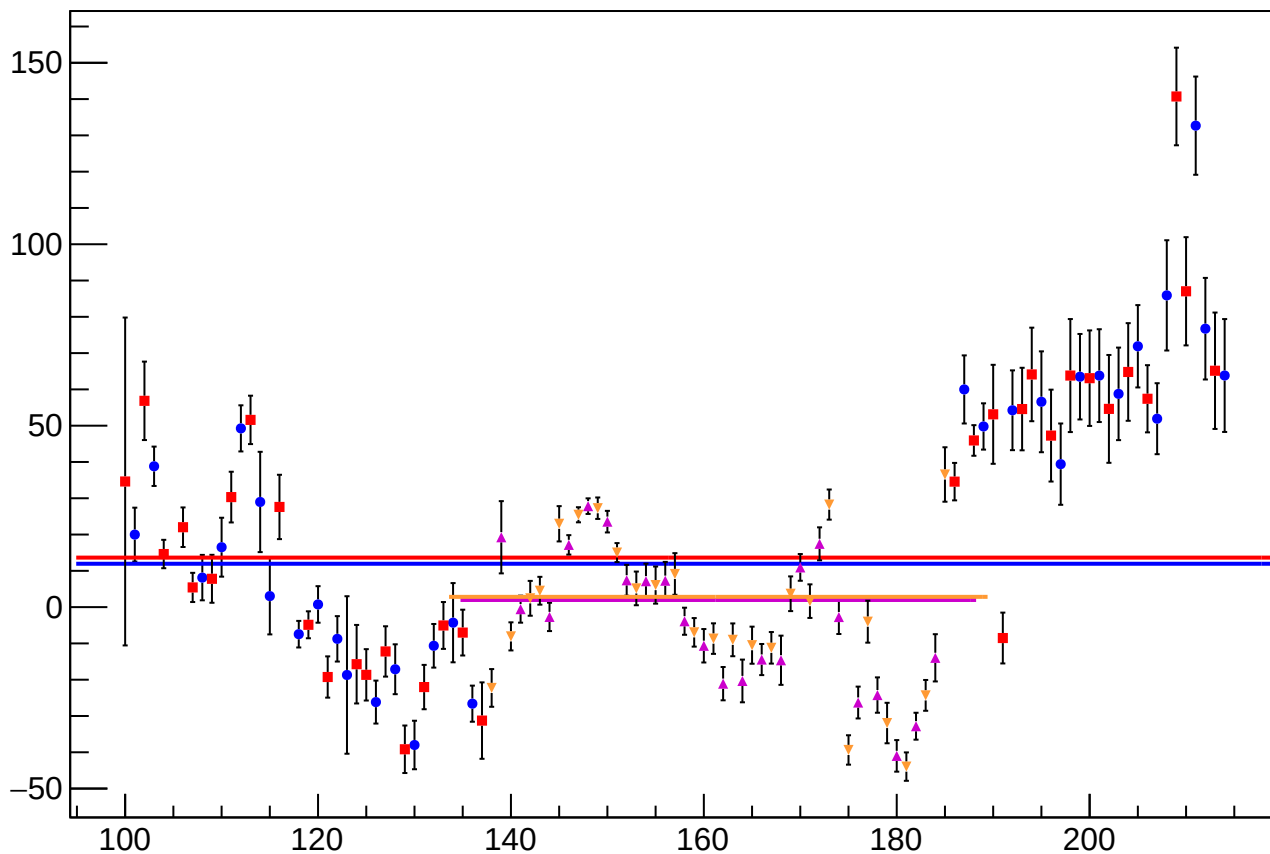
Left In: -221.483 ± 1.102 χ^2/NDF : 2149.8/22

+ sign -241.220 ± 0.966 χ^2/NDF : 5488.9/38

All: -245.028 ± 0.672 χ^2/NDF : 15229.3/76

- sign -248.603 ± 0.936 χ^2/NDF : 9710.3/37

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 11.952 $\pm$ 1.366 χ^2/NDF : 622.7/30

Left Out: 2.832 $\pm$ 0.807 χ^2/NDF : 686.9/24

Right Out: 13.646 $\pm$ 1.200 χ^2/NDF : 622.6/33

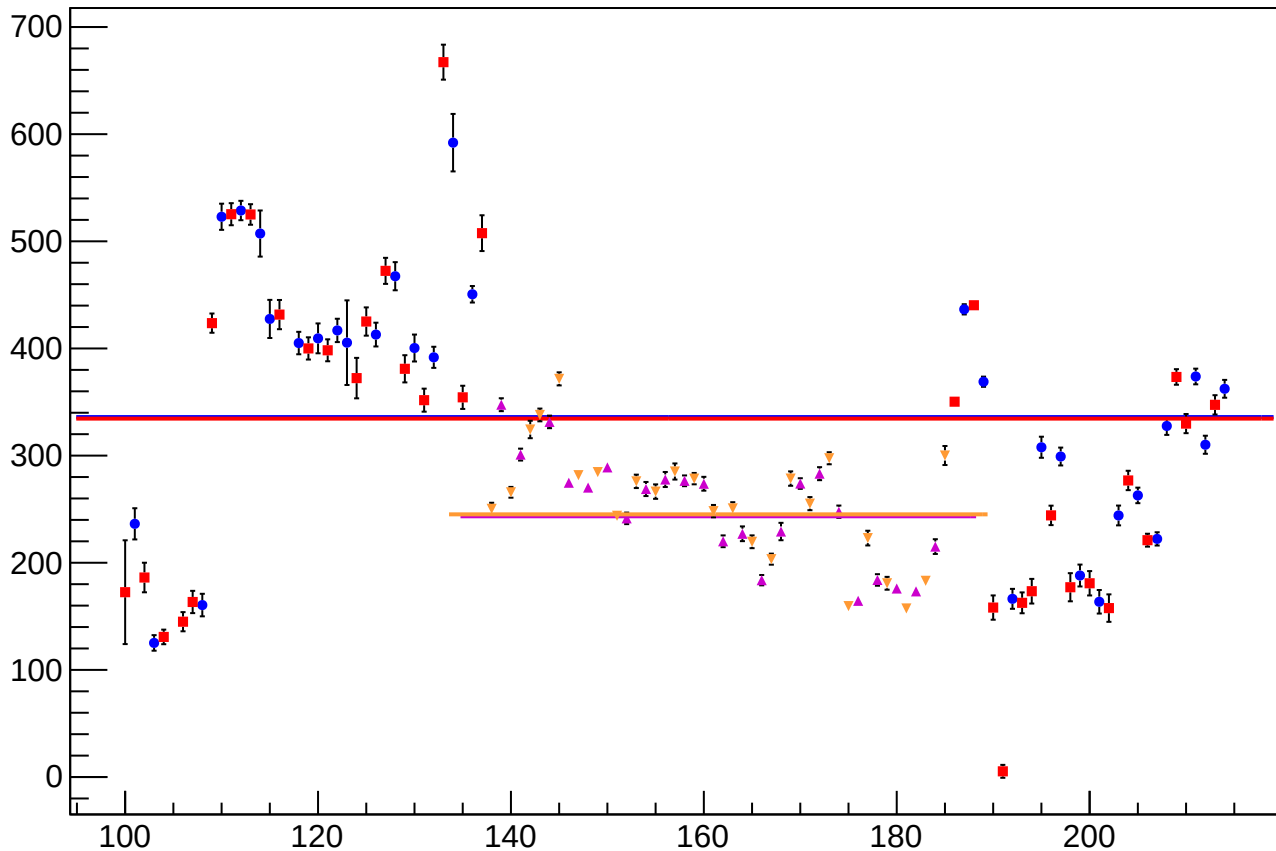
Left In: 1.969 $\pm$ 0.835 χ^2/NDF : 589.1/22

+ sign 5.192 $\pm$ 0.695 χ^2/NDF : 1342.6/55

All: 5.489 $\pm$ 0.488 χ^2/NDF : 2618.5/112

- sign 5.777 $\pm$ 0.685 χ^2/NDF : 1275.5/56

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 335.960 $\pm$ 1.602 χ^2 /NDF: 4484.6/30

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF: 2597.4/24

Right Out: 334.538 $\pm$ 1.316 χ^2 /NDF: 10099.5/33

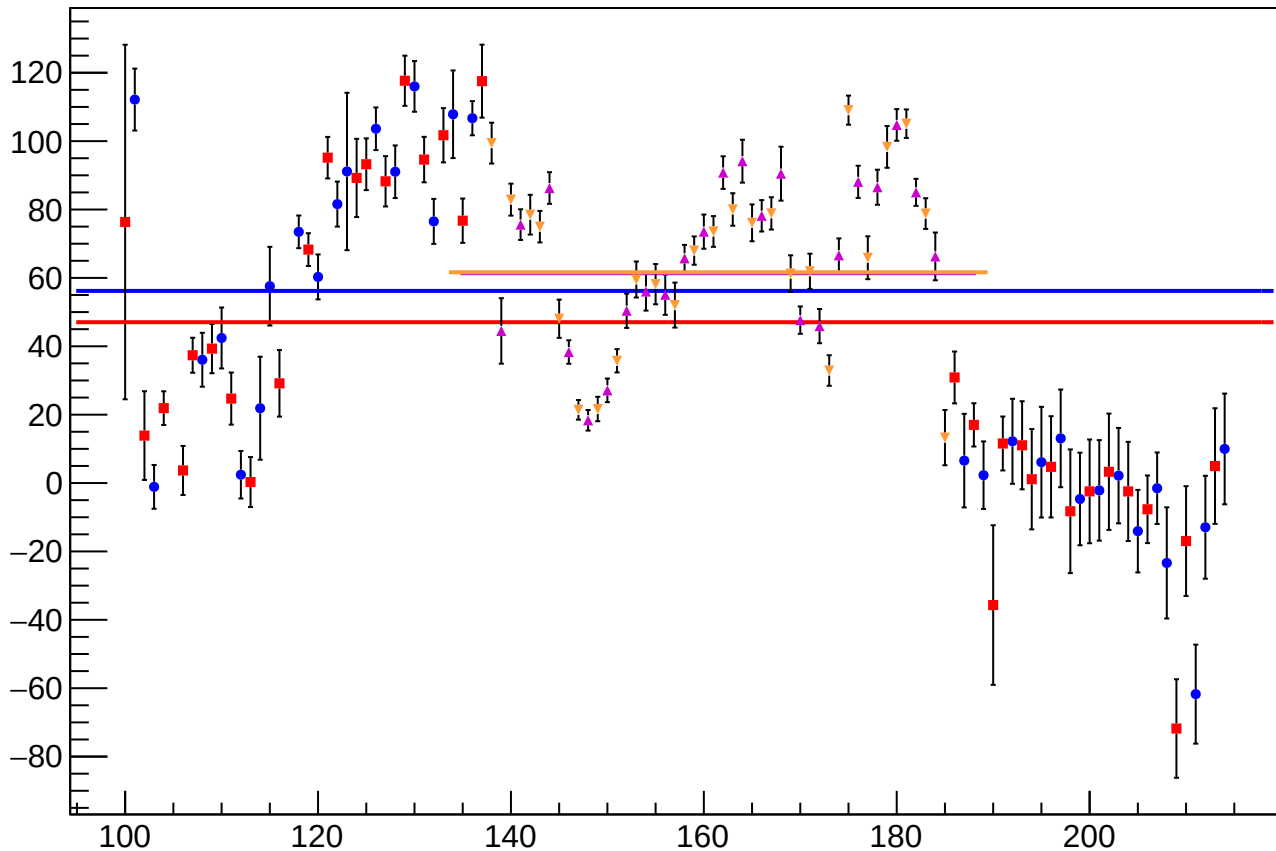
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF: 2236.7/22

+ sign 273.615 $\pm$ 0.897 χ^2 /NDF: 9286.8/55

All: 277.339 $\pm$ 0.613 χ^2 /NDF: 24494.9/112

- sign 280.615 $\pm$ 0.841 χ^2 /NDF: 15175.6/56

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 56.195 ± 1.584 $\chi^2/\text{NDF}: 803.3/30$

Left Out: 61.647 ± 0.936 $\chi^2/\text{NDF}: 871.5/24$

Right Out: 47.045 ± 1.431 $\chi^2/\text{NDF}: 792.3/33$

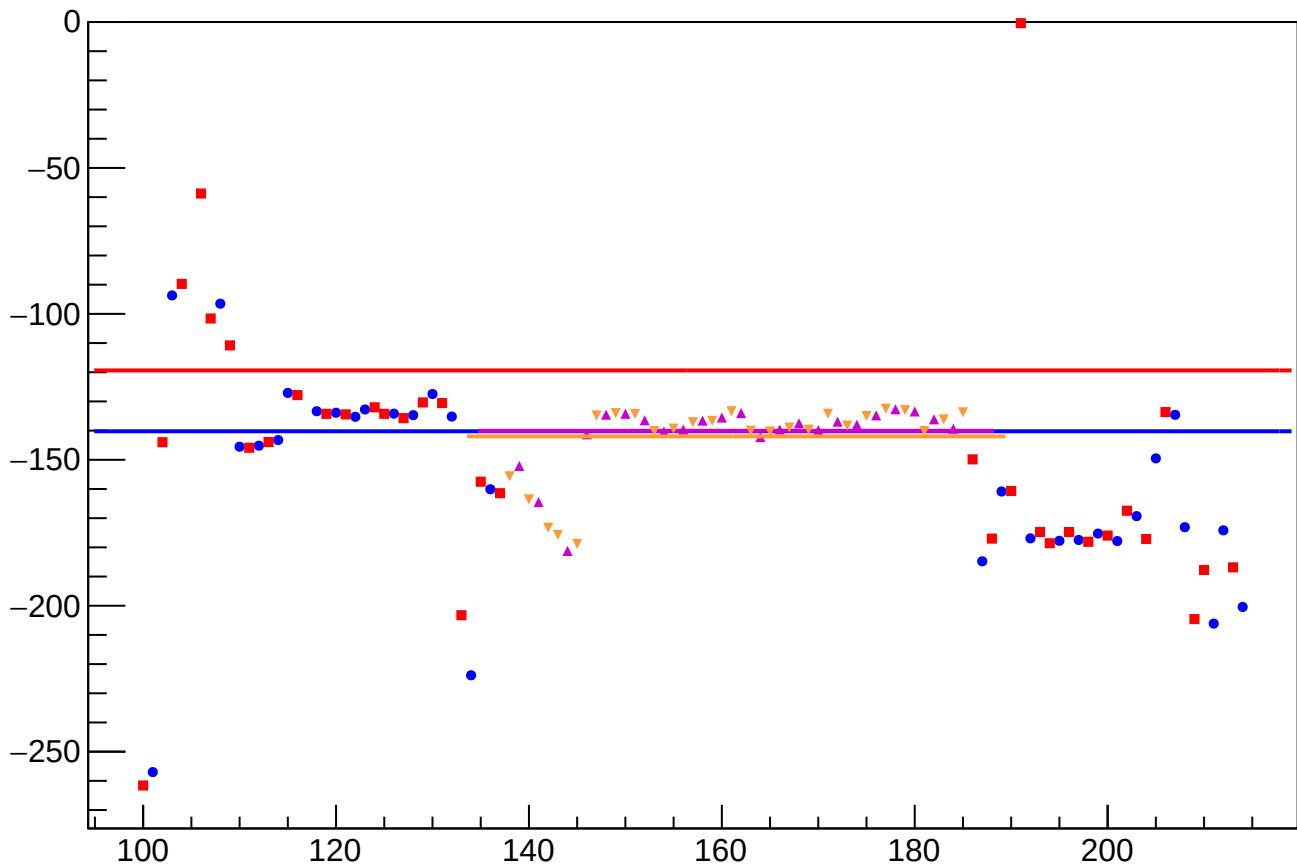
Left In: 61.375 ± 0.961 $\chi^2/\text{NDF}: 699.7/22$

+ sign 60.236 ± 0.806 $\chi^2/\text{NDF}: 1683.6/55$

All: 58.561 ± 0.567 $\chi^2/\text{NDF}: 3253.2/112$

- sign 56.921 ± 0.798 $\chi^2/\text{NDF}: 1561.1/56$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -140.227 ± 0.075 $\chi^2/\text{NDF}: 253082.6/30$

Left Out: -141.969 ± 0.045 $\chi^2/\text{NDF}: 80252.6/24$

Right Out: -119.381 ± 0.067 $\chi^2/\text{NDF}: 640440.2/33$

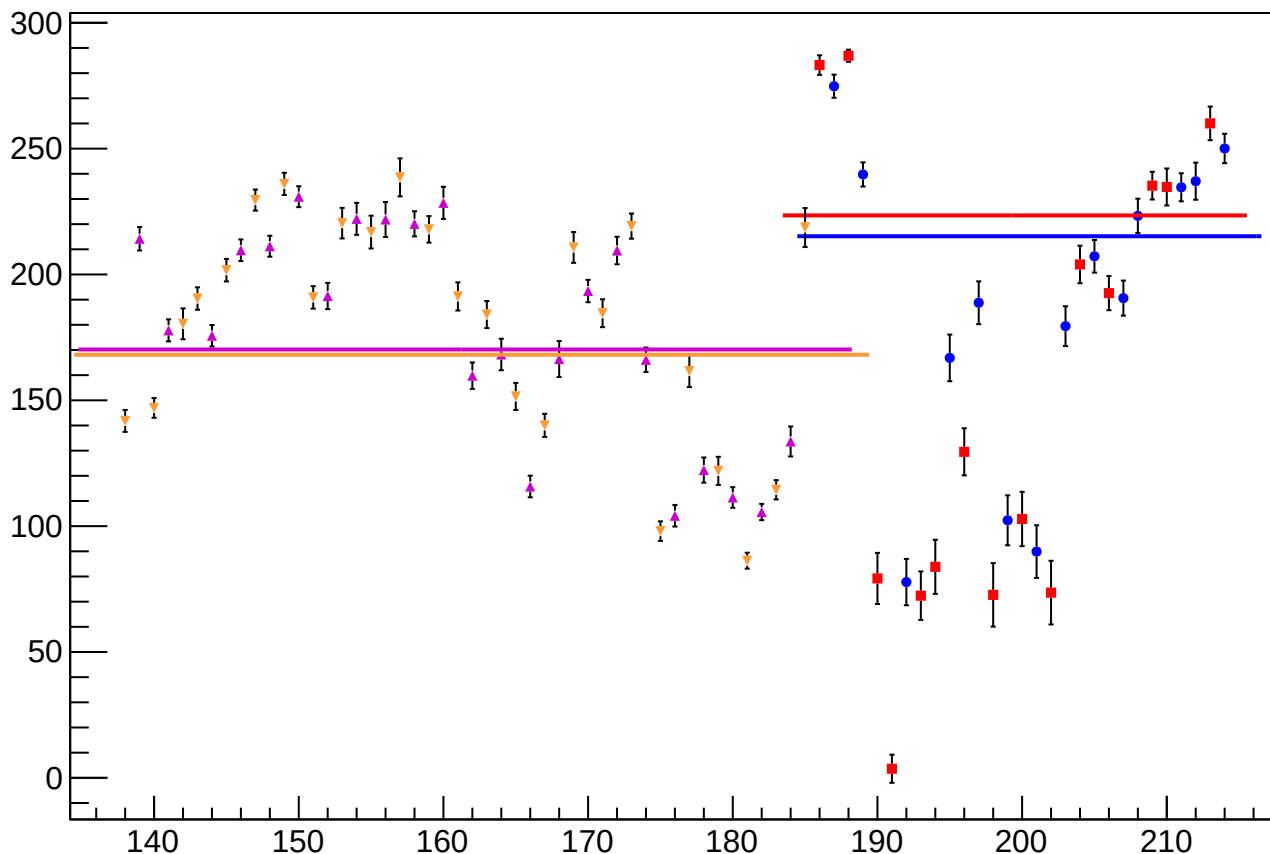
Left In: -140.068 ± 0.045 $\chi^2/\text{NDF}: 48030.7/22$

+ sign -141.511 ± 0.038 $\chi^2/\text{NDF}: 333734.5/55$

All: -137.436 ± 0.027 $\chi^2/\text{NDF}: 1110318.2/111$

- sign -133.588 ± 0.037 $\chi^2/\text{NDF}: 754663.1/56$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 215.189 ± 1.799 $\chi^2/\text{NDF}: 818.8/13$

Left Out: 168.106 ± 0.970 $\chi^2/\text{NDF}: 2468.8/24$

Right Out: 223.467 ± 1.498 $\chi^2/\text{NDF}: 3668.4/14$

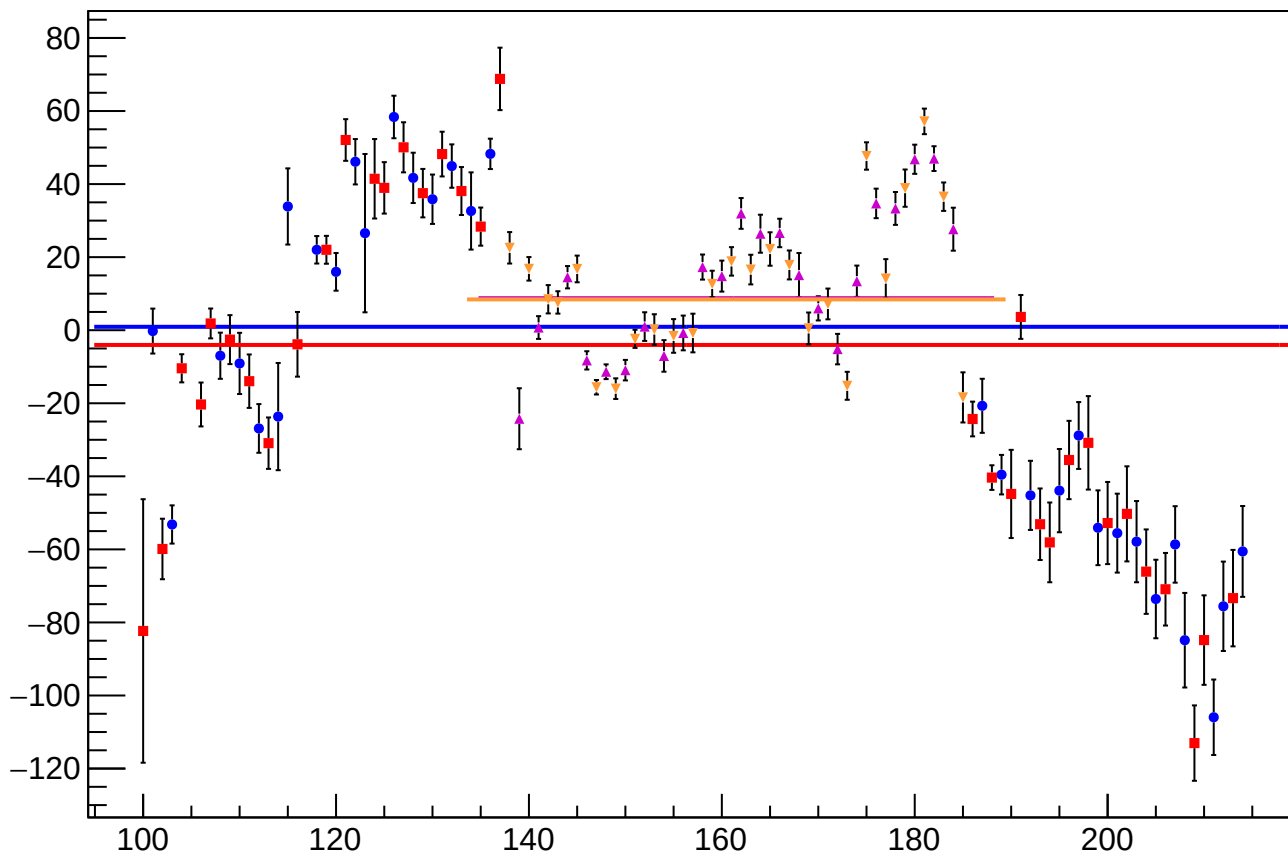
Left In: 170.198 ± 0.995 $\chi^2/\text{NDF}: 2024.5/22$

+ sign 178.715 ± 0.854 $\chi^2/\text{NDF}: 3818.2/38$

All: 182.730 ± 0.595 $\chi^2/\text{NDF}: 10431.3/76$

- sign 186.515 ± 0.829 $\chi^2/\text{NDF}: 6570.1/37$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 0.932 ± 1.293 χ^2/NDF : 1080.9/30

Left Out: 8.436 ± 0.728 χ^2/NDF : 752.0/24

Right Out: -4.037 ± 1.139 χ^2/NDF : 1101.9/33

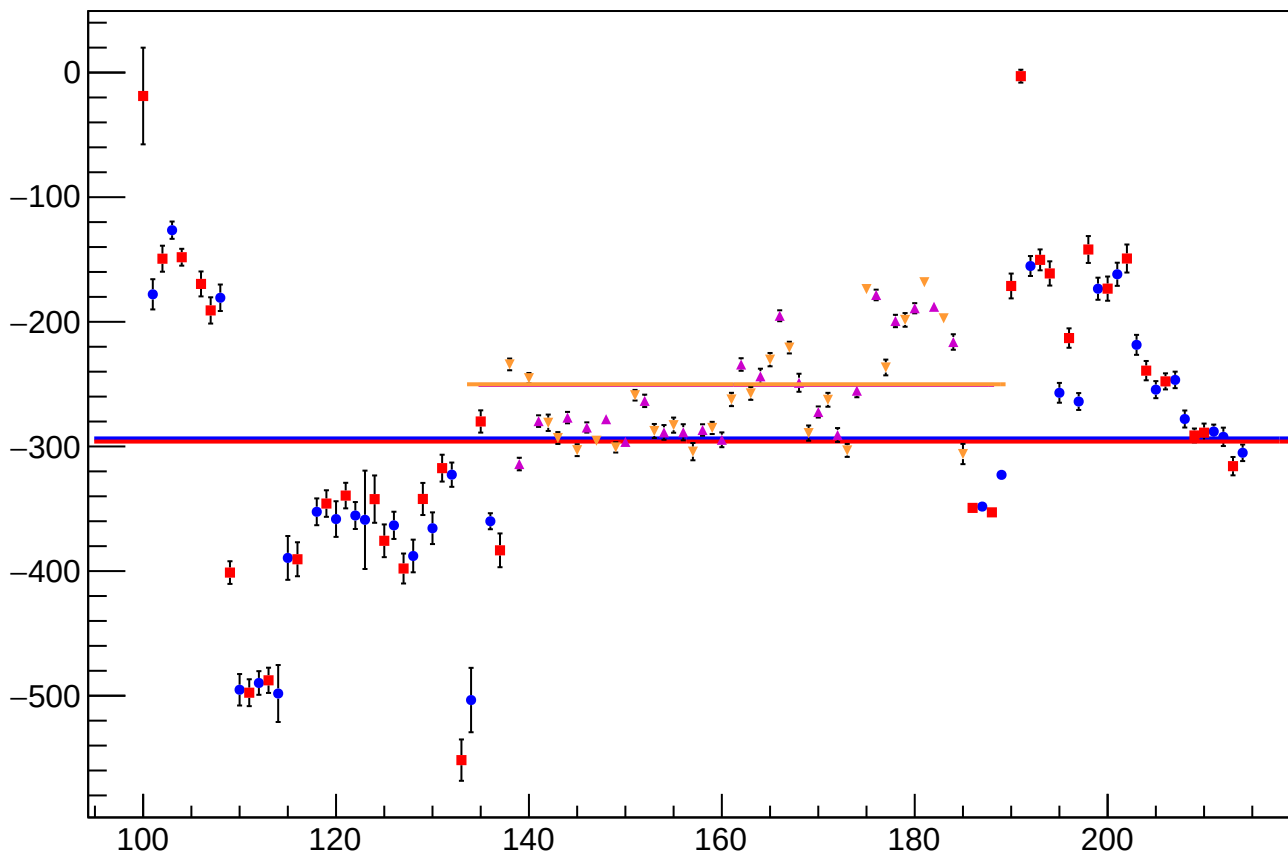
Left In: 8.769 ± 0.758 χ^2/NDF : 626.8/22

+ sign 6.629 ± 0.634 χ^2/NDF : 1858.5/55

All: 5.729 ± 0.447 χ^2/NDF : 3678.8/112

- sign 4.838 ± 0.631 χ^2/NDF : 1816.2/56

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -293.561 ± 1.409 χ^2/NDF : 3135.1/30

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -296.089 ± 1.152 χ^2/NDF : 8118.8/33

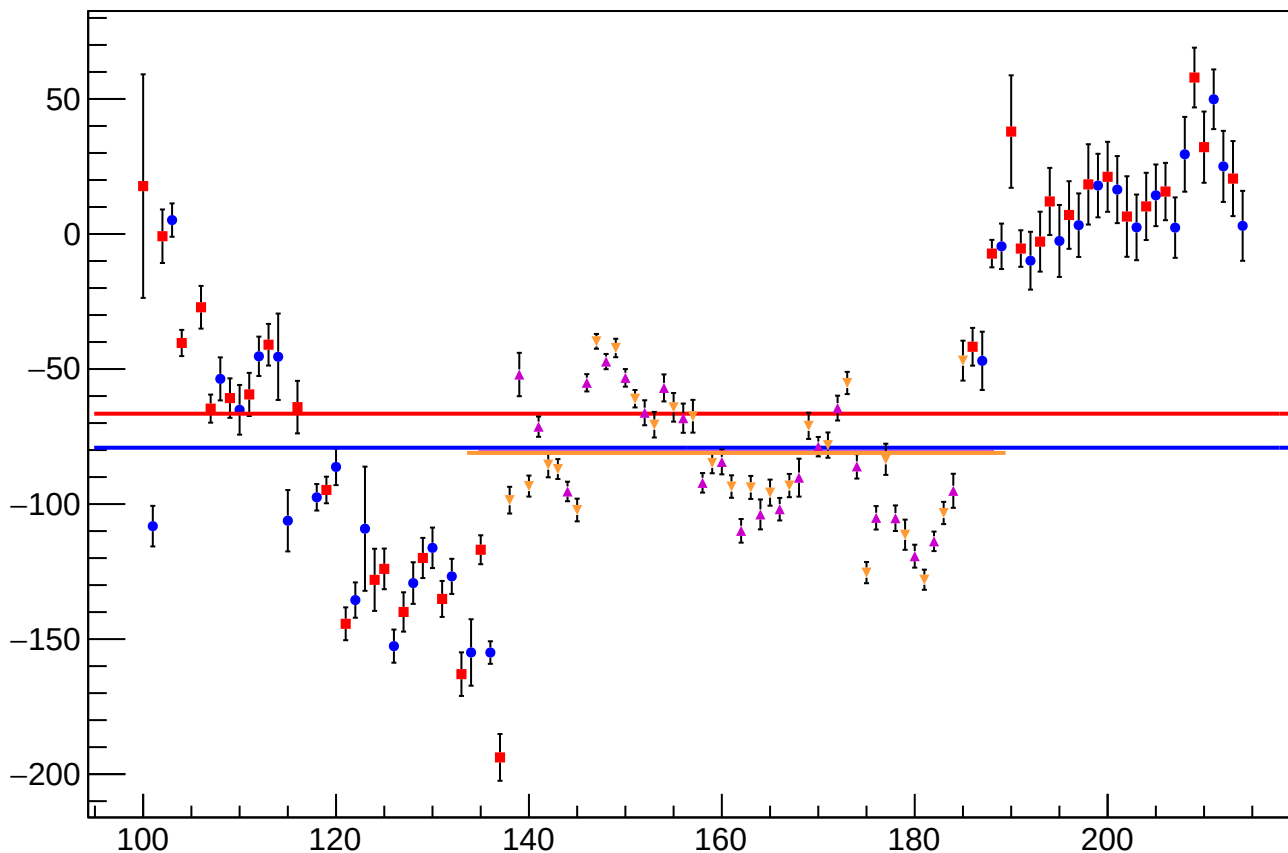
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.128 ± 0.800 χ^2/NDF : 6025.8/55

All: -267.225 ± 0.548 χ^2/NDF : 17005.5/112

- sign -269.952 ± 0.751 χ^2/NDF : 10951.5/56

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -79.134 ± 1.498 $\chi^2/\text{NDF}: 1773.3/30$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -66.538 ± 1.363 $\chi^2/\text{NDF}: 1889.9/33$

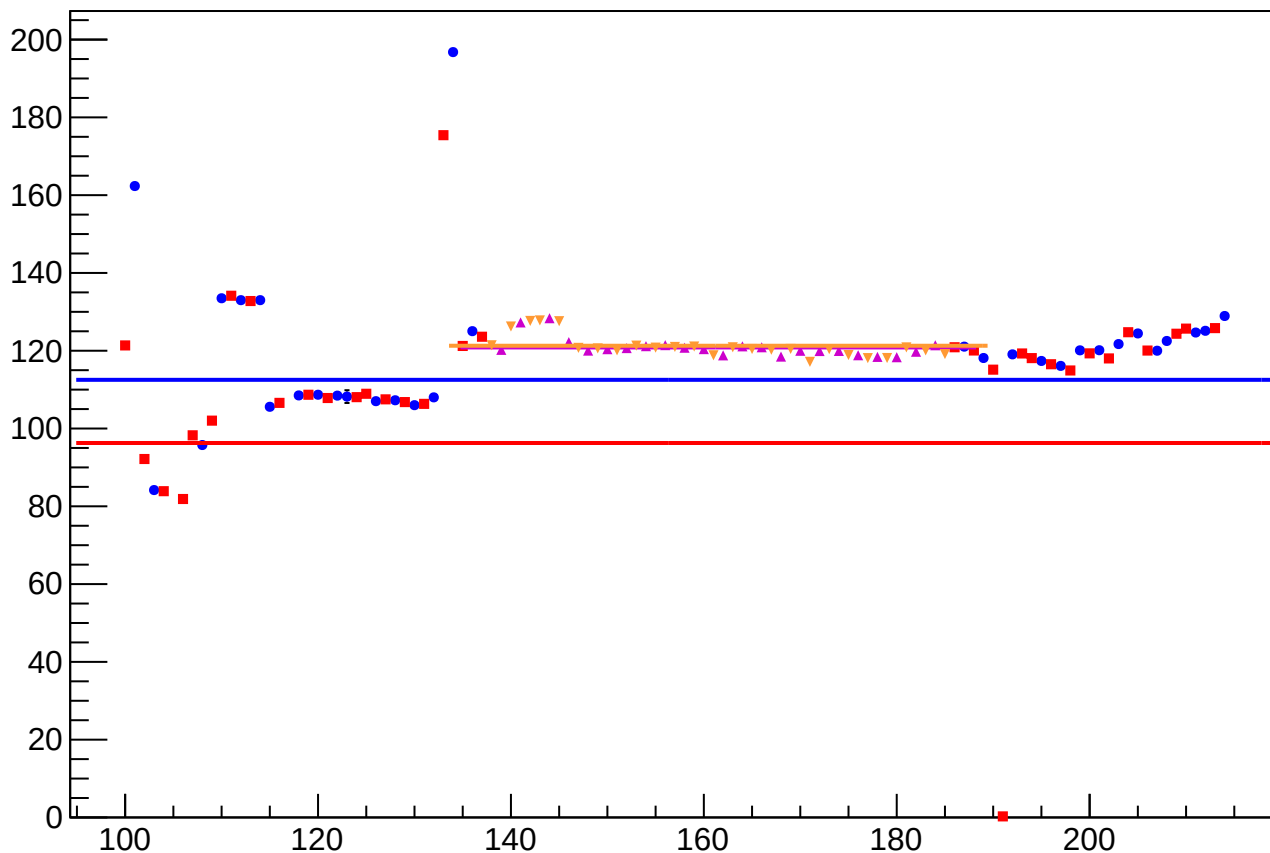
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -80.595 ± 0.735 $\chi^2/\text{NDF}: 2687.6/55$

All: -78.638 ± 0.519 $\chi^2/\text{NDF}: 5362.9/112$

- sign -76.682 ± 0.734 $\chi^2/\text{NDF}: 2661.1/56$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.519 $\pm$ 0.069 χ^2 /NDF: 80556.1/30

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 96.278 $\pm$ 0.061 χ^2 /NDF: 370798.2/33

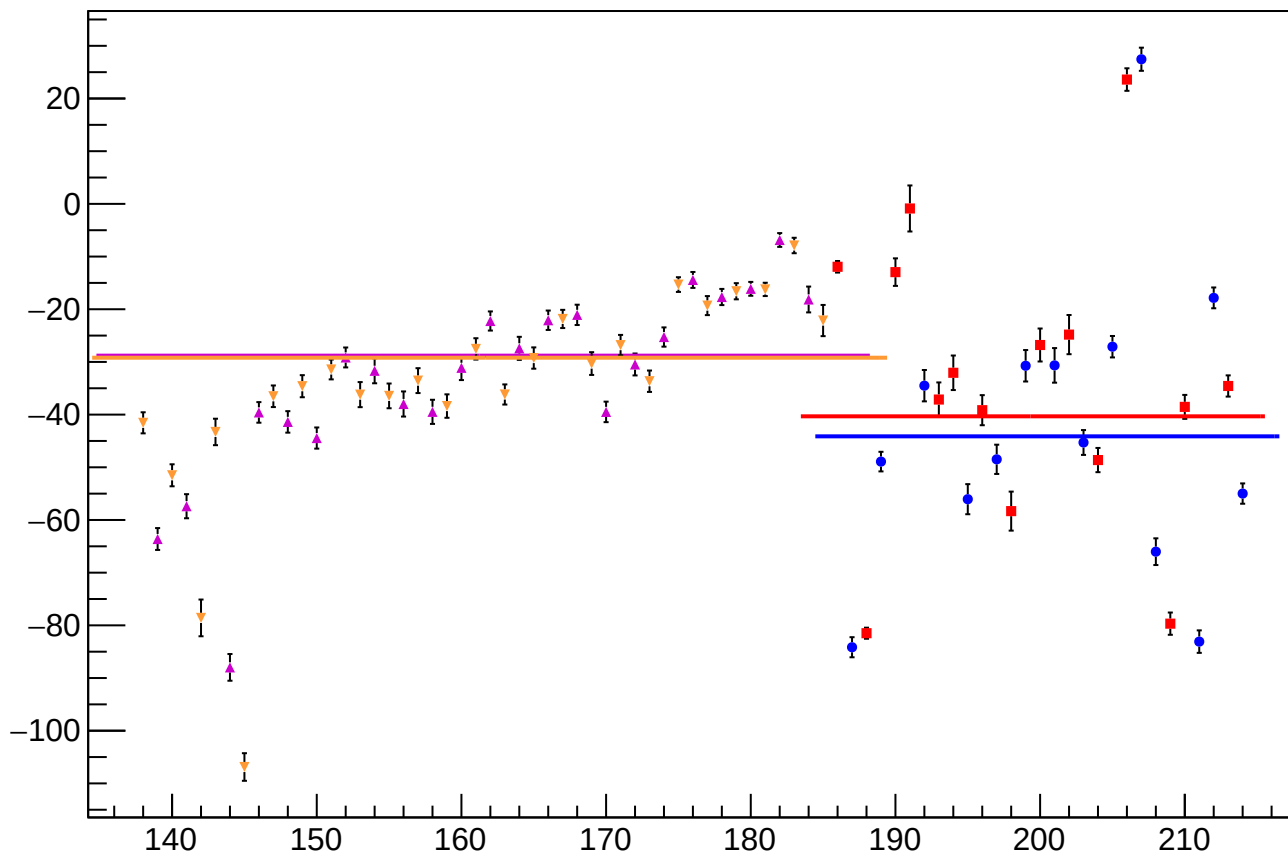
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 119.076 $\pm$ 0.035 χ^2 /NDF: 97523.6/55

All: 116.152 $\pm$ 0.024 χ^2 /NDF: 596667.4/112

- sign 113.355 $\pm$ 0.034 χ^2 /NDF: 485244.0/56

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -44.125 ± 0.613 χ^2/NDF : 2263.3/13

Left Out: -29.199 ± 0.389 χ^2/NDF : 1881.5/24

Right Out: -40.325 ± 0.530 χ^2/NDF : 3729.1/14

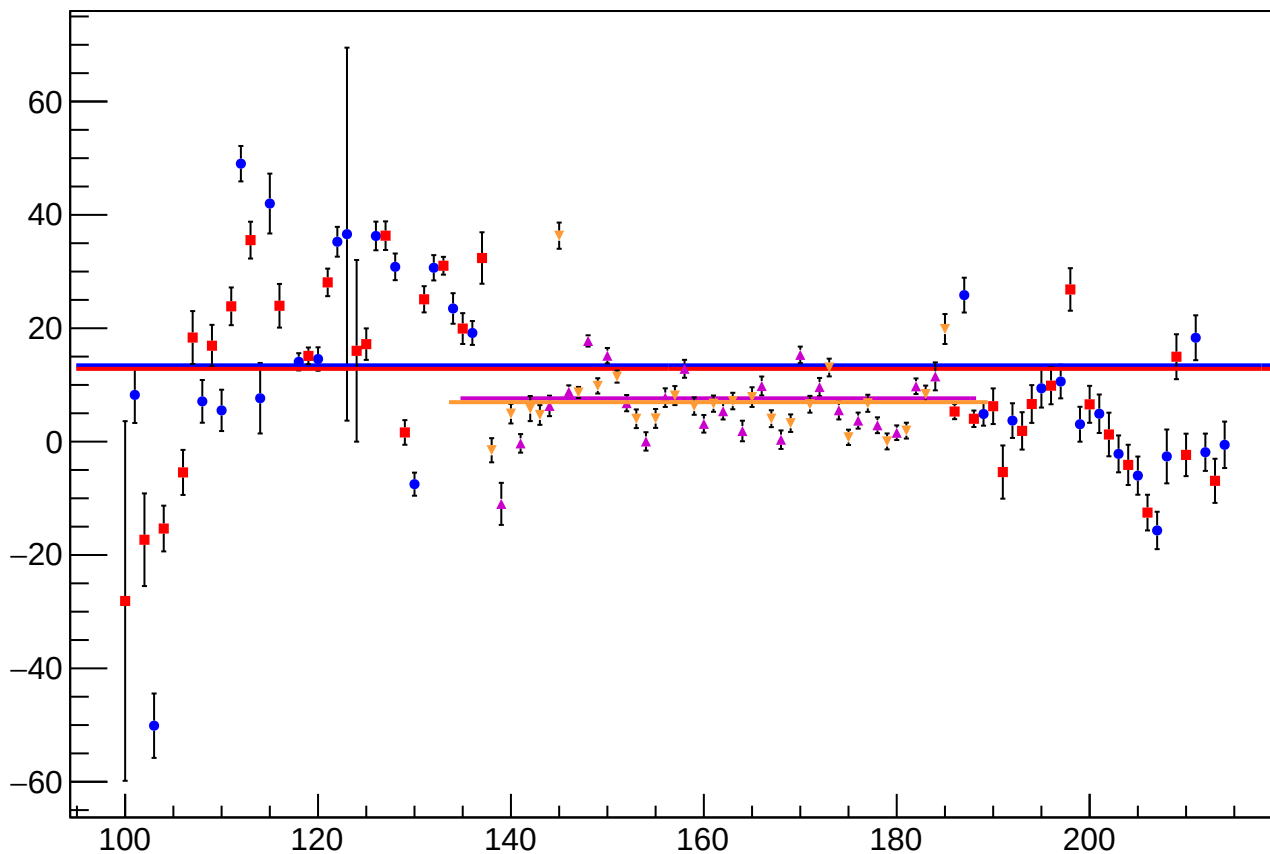
Left In: -28.810 ± 0.395 χ^2/NDF : 1763.8/22

+ sign -33.479 ± 0.328 χ^2/NDF : 4567.9/38

All: -33.195 ± 0.228 χ^2/NDF : 10365.8/76

- sign -32.931 ± 0.317 χ^2/NDF : 5796.5/37

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 13.457 ± 0.519 $\chi^2/\text{NDF}: 930.7/30$

Left Out: 6.960 ± 0.303 $\chi^2/\text{NDF}: 321.3/24$

Right Out: 12.837 ± 0.473 $\chi^2/\text{NDF}: 760.5/33$

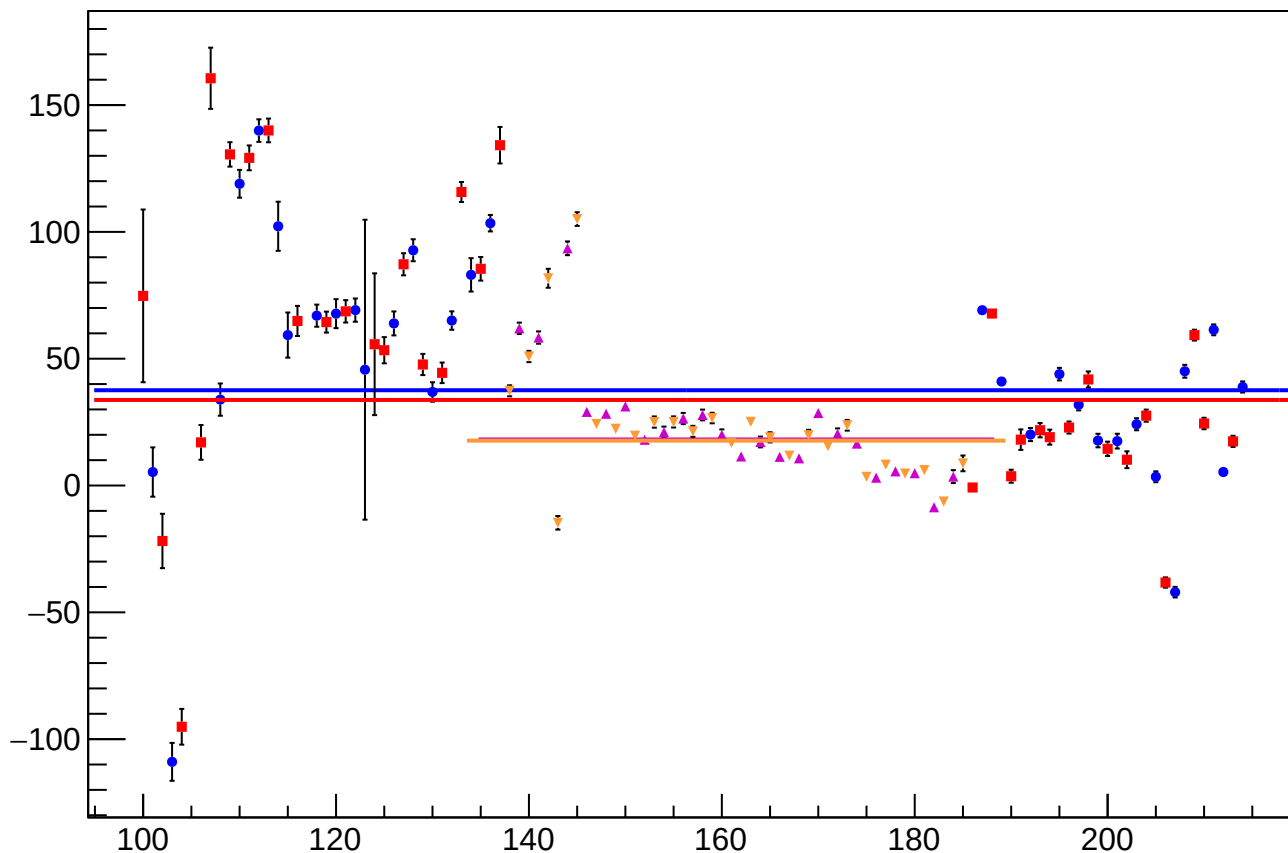
Left In: 7.638 ± 0.313 $\chi^2/\text{NDF}: 337.7/22$

+ sign 8.611 ± 0.262 $\chi^2/\text{NDF}: 1368.9/55$

All: 8.919 ± 0.185 $\chi^2/\text{NDF}: 2553.9/112$

- sign 9.226 ± 0.261 $\chi^2/\text{NDF}: 1182.3/56$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 37.570 $\pm$ 0.520 χ^2 /NDF: 4733.8/30

Left Out: 17.705 $\pm$ 0.387 χ^2 /NDF: 2432.2/24

Right Out: 33.738 $\pm$ 0.432 χ^2 /NDF: 7825.3/33

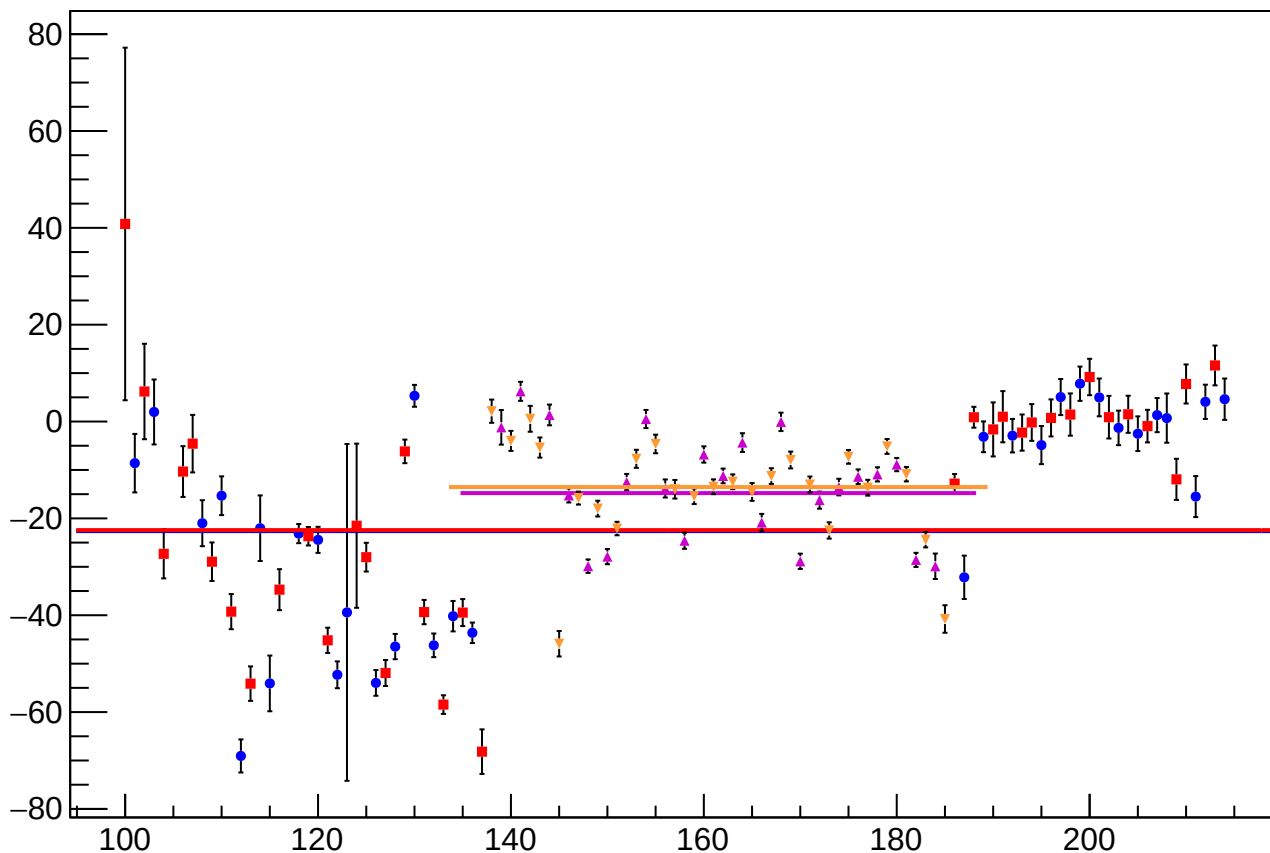
Left In: 18.150 $\pm$ 0.393 χ^2 /NDF: 2339.4/22

+ sign 24.784 $\pm$ 0.311 χ^2 /NDF: 8103.9/55

All: 25.003 $\pm$ 0.212 χ^2 /NDF: 18982.0/112

- sign 25.194 $\pm$ 0.291 χ^2 /NDF: 10877.2/56

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -22.628 ± 0.600 $\chi^2/\text{NDF}: 1460.5/30$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -22.421 ± 0.568 $\chi^2/\text{NDF}: 1529.4/33$

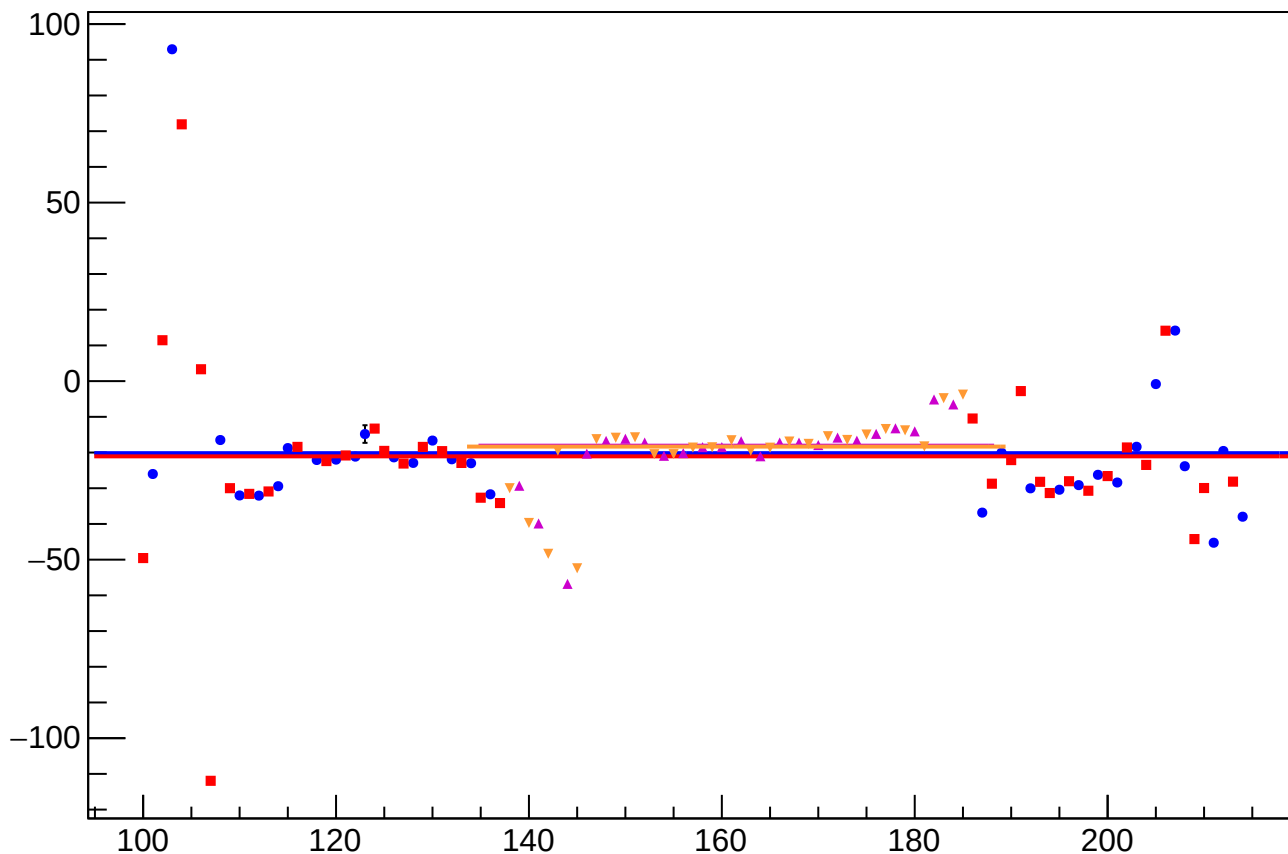
Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

+ sign -15.781 ± 0.298 $\chi^2/\text{NDF}: 2206.3/55$

All: -16.344 ± 0.212 $\chi^2/\text{NDF}: 4711.1/112$

- sign -16.915 ± 0.301 $\chi^2/\text{NDF}: 2497.6/56$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.179 ± 0.029 χ^2/NDF : 618117.2/30

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -21.069 ± 0.028 χ^2/NDF : 579317.7/33

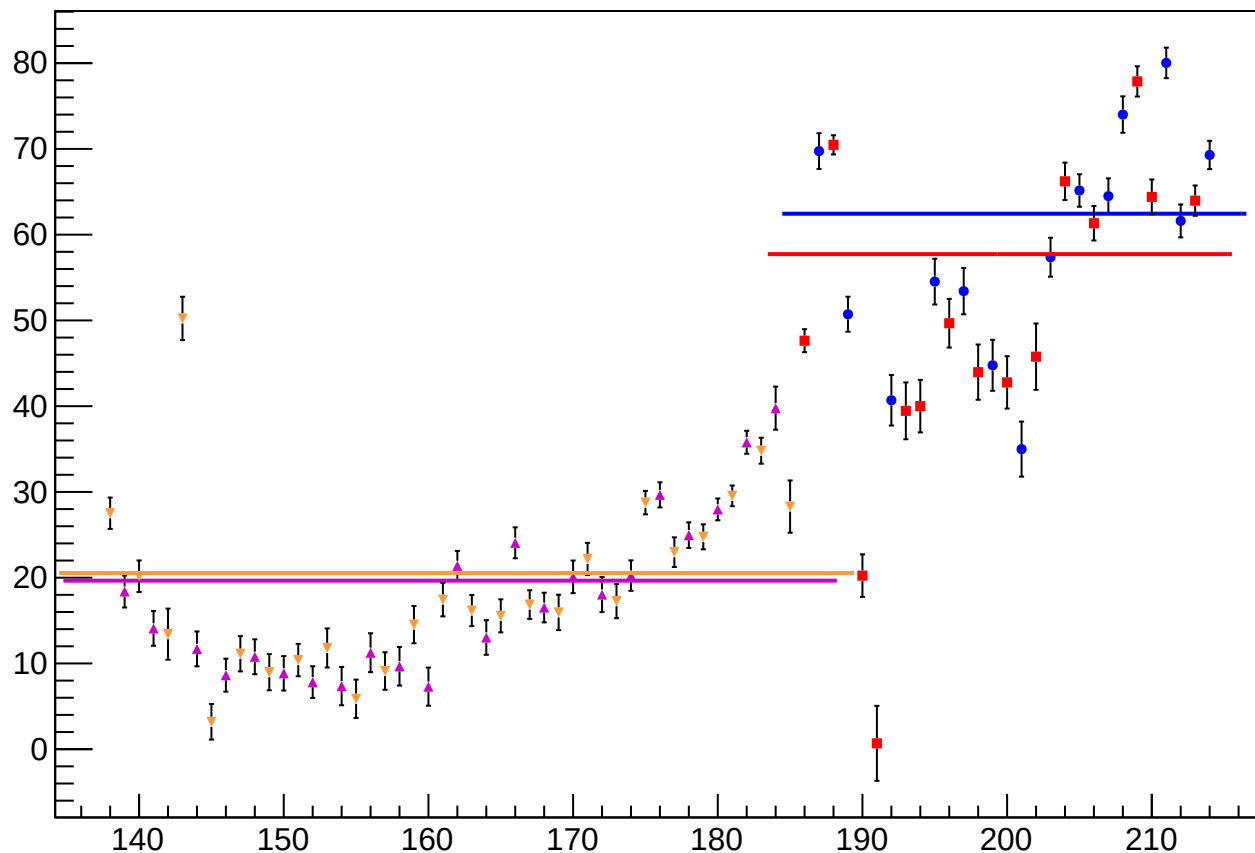
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.767 ± 0.014 χ^2/NDF : 905448.1/55

All: -18.804 ± 0.010 χ^2/NDF : 1735482.1/112

- sign -18.842 ± 0.014 χ^2/NDF : 830019.2/56

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 62.445 ± 0.582 $\chi^2/\text{NDF}: 380.8/13$

Left Out: 20.550 ± 0.373 $\chi^2/\text{NDF}: 626.4/24$

Right Out: 57.731 ± 0.534 $\chi^2/\text{NDF}: 881.3/14$

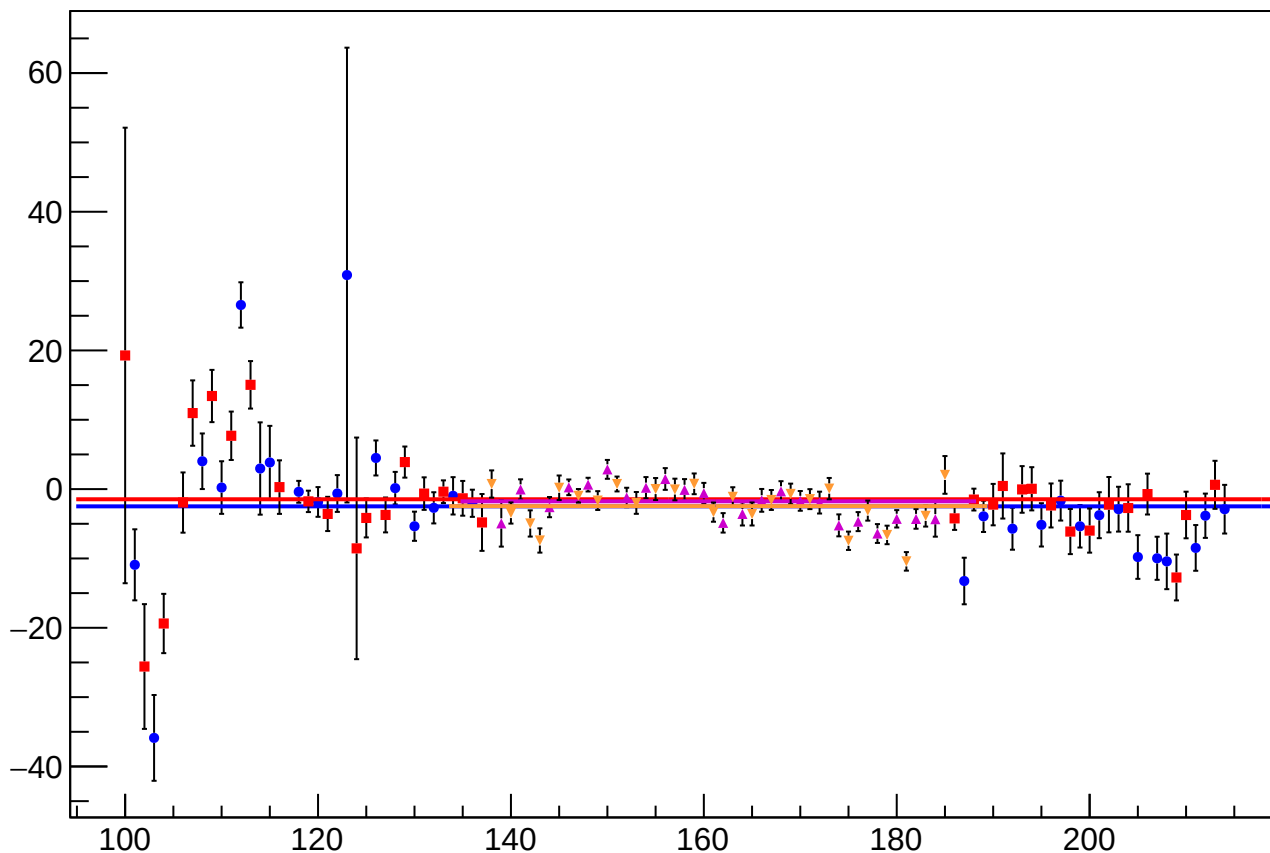
Left In: 19.656 ± 0.380 $\chi^2/\text{NDF}: 571.8/22$

+ sign 32.755 ± 0.314 $\chi^2/\text{NDF}: 4681.3/38$

All: 32.609 ± 0.221 $\chi^2/\text{NDF}: 9505.5/76$

- sign 32.467 ± 0.310 $\chi^2/\text{NDF}: 4823.8/37$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.486 ± 0.518 χ^2/NDF : 162.6/30

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -1.464 ± 0.485 χ^2/NDF : 107.9/33

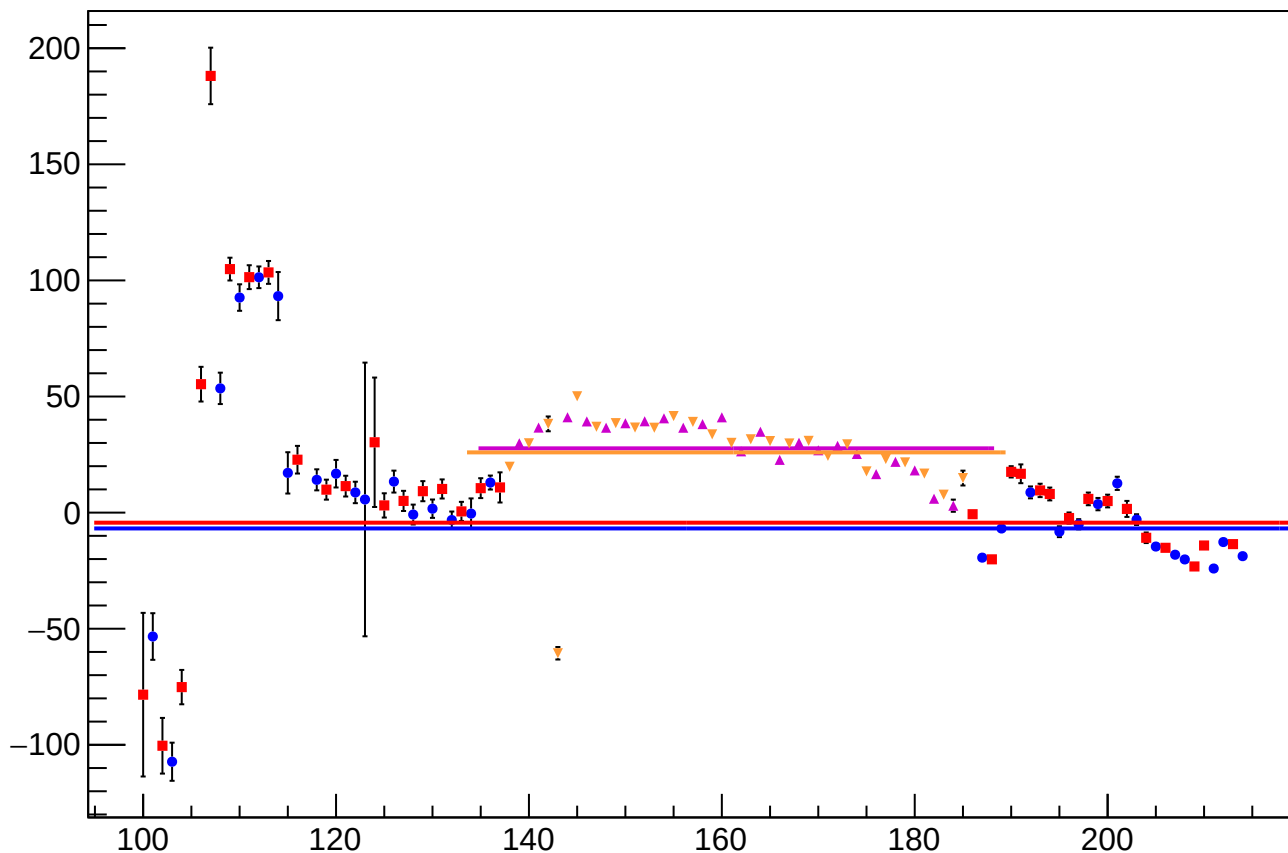
Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

+ sign -2.462 ± 0.255 χ^2/NDF : 268.6/55

All: -2.072 ± 0.181 χ^2/NDF : 449.0/112

- sign -1.676 ± 0.256 χ^2/NDF : 175.6/56

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -6.818 ± 0.506 χ^2/NDF : 1698.5/30

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -4.334 ± 0.446 χ^2/NDF : 2661.5/33

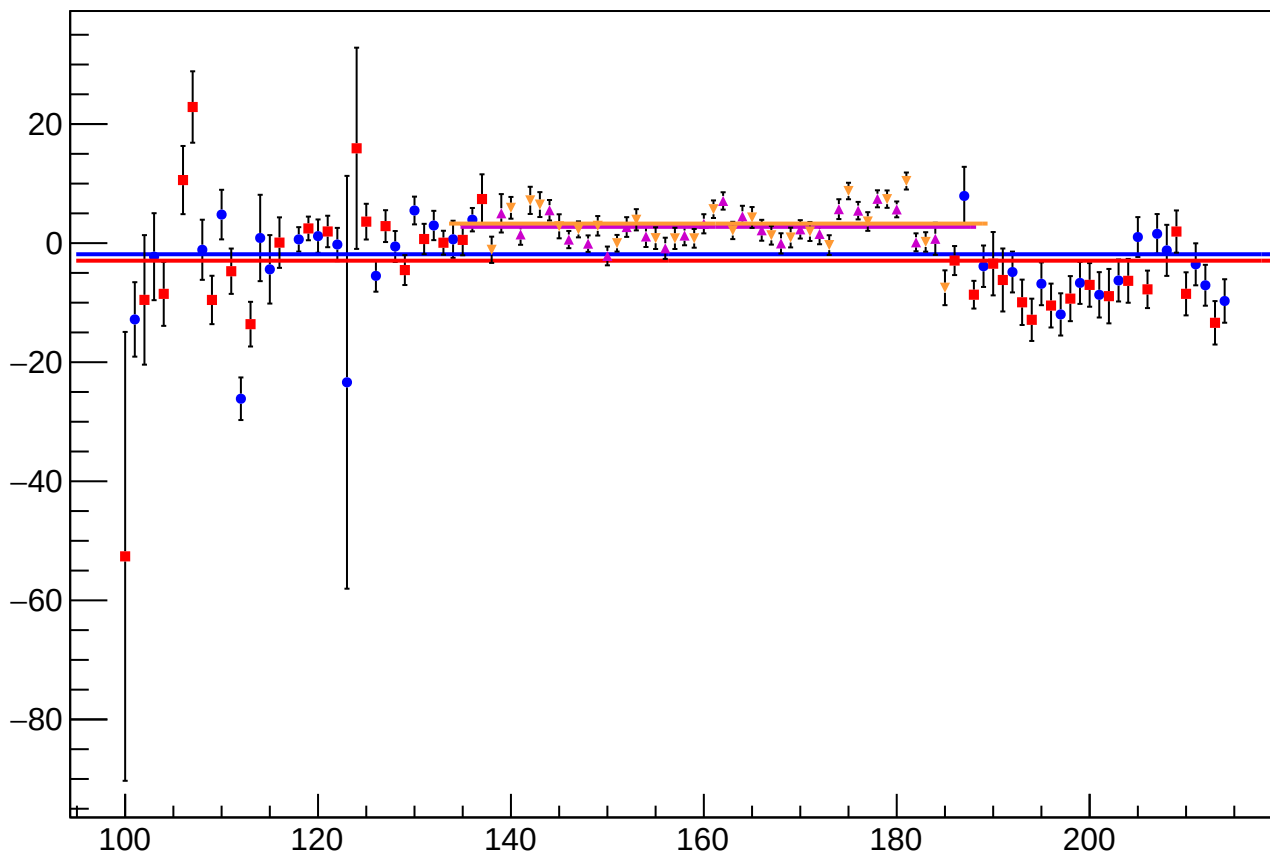
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 14.438 ± 0.300 χ^2/NDF : 6127.3/55

All: 14.352 ± 0.208 χ^2/NDF : 12592.3/112

- sign 14.273 ± 0.288 χ^2/NDF : 6464.8/56

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.868 ± 0.594 χ^2/NDF : 111.4/30

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -2.947 ± 0.575 χ^2/NDF : 116.3/33

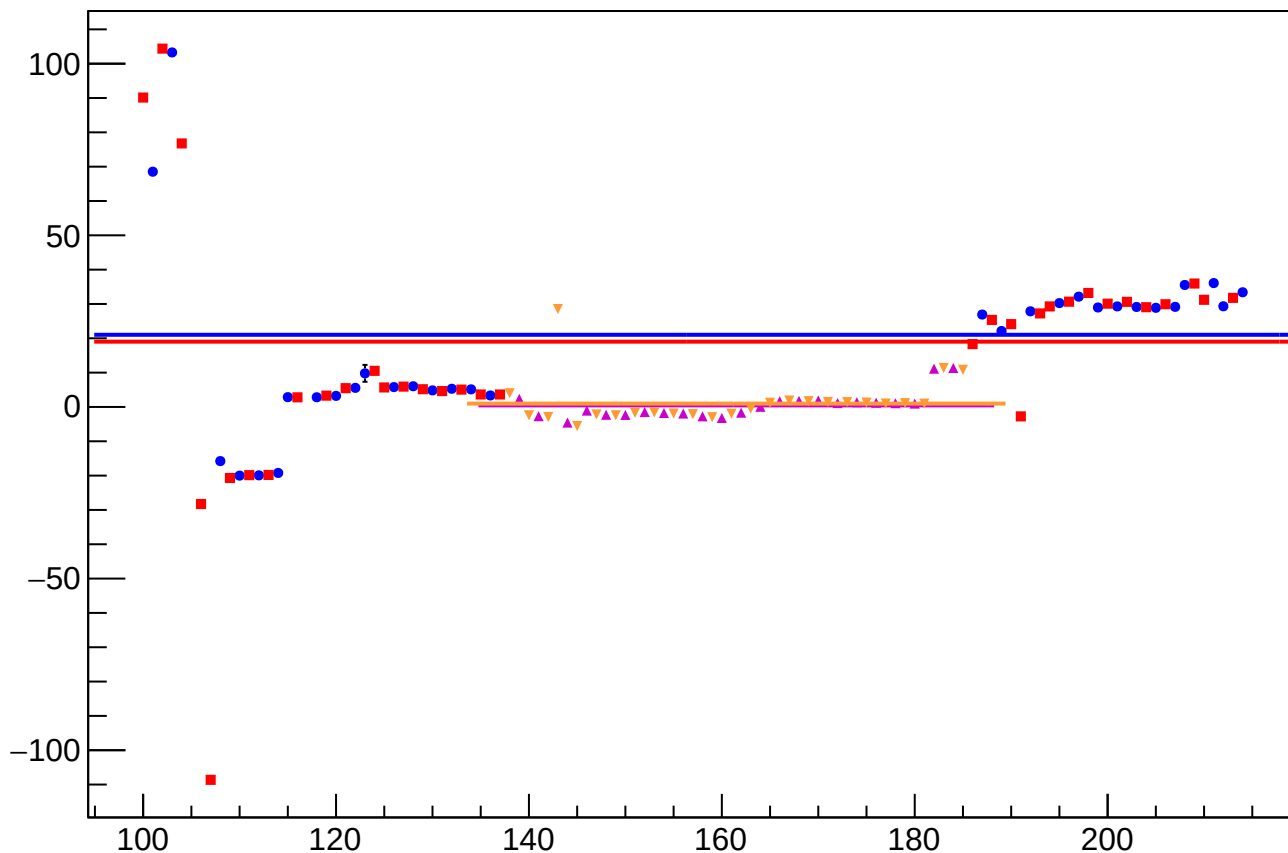
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.060 ± 0.289 χ^2/NDF : 271.0/55

All: 1.665 ± 0.206 χ^2/NDF : 527.8/112

- sign 1.259 ± 0.293 χ^2/NDF : 253.0/56

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.024 $\pm$ 0.028 χ^2 /NDF: 512482.6/30

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF: 117391.3/24

Right Out: 19.020 $\pm$ 0.027 χ^2 /NDF: 745267.0/33

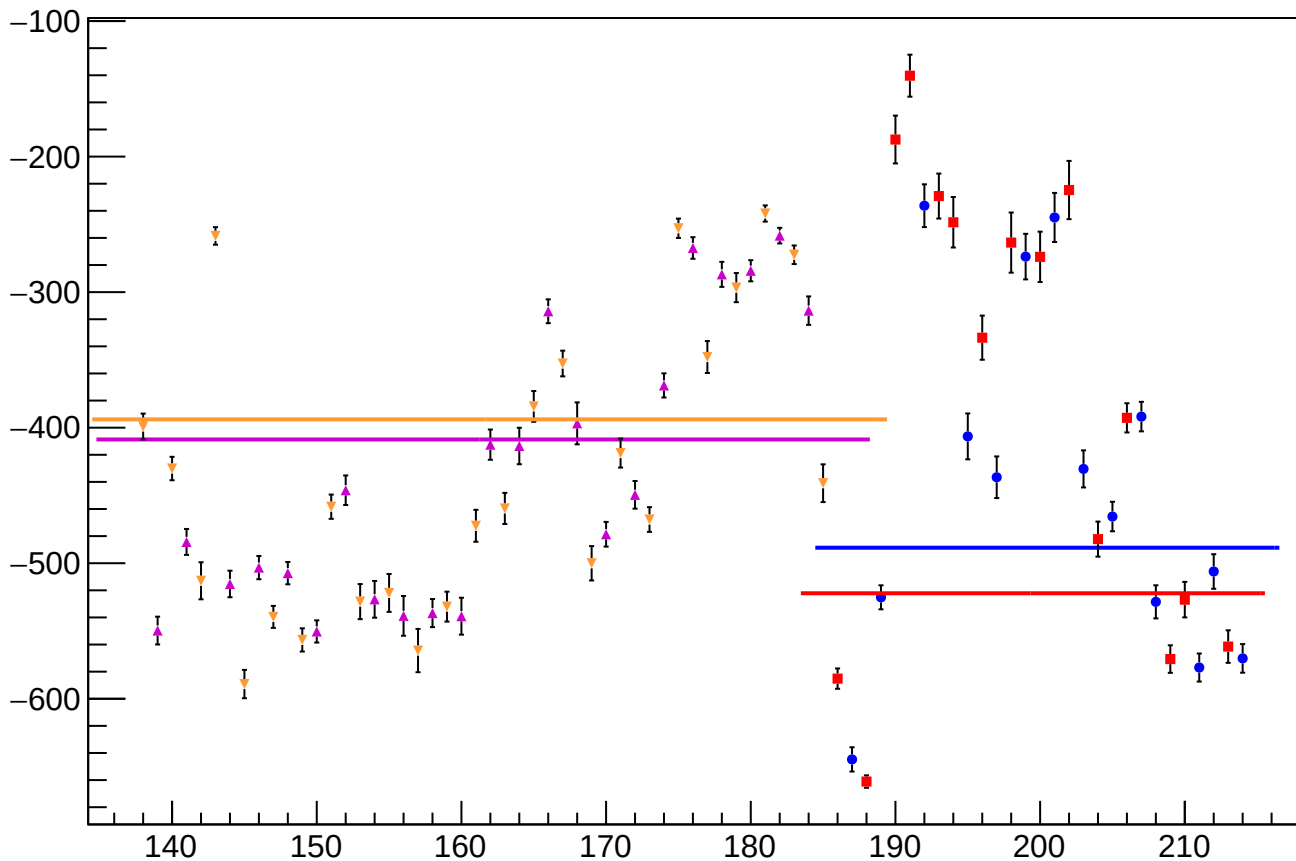
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF: 50699.8/22

+ sign 5.553 $\pm$ 0.013 χ^2 /NDF: 1027151.8/55

All: 5.266 $\pm$ 0.009 χ^2 /NDF: 2176918.7/112

- sign 4.976 $\pm$ 0.013 χ^2 /NDF: 1148839.6/56

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -488.565 $\pm$ 3.213 χ^2 /NDF: 1201.8/13

Left Out: -393.871 $\pm$ 1.897 χ^2 /NDF: 3772.8/24

Right Out: -522.168 $\pm$ 2.806 χ^2 /NDF: 3308.2/14

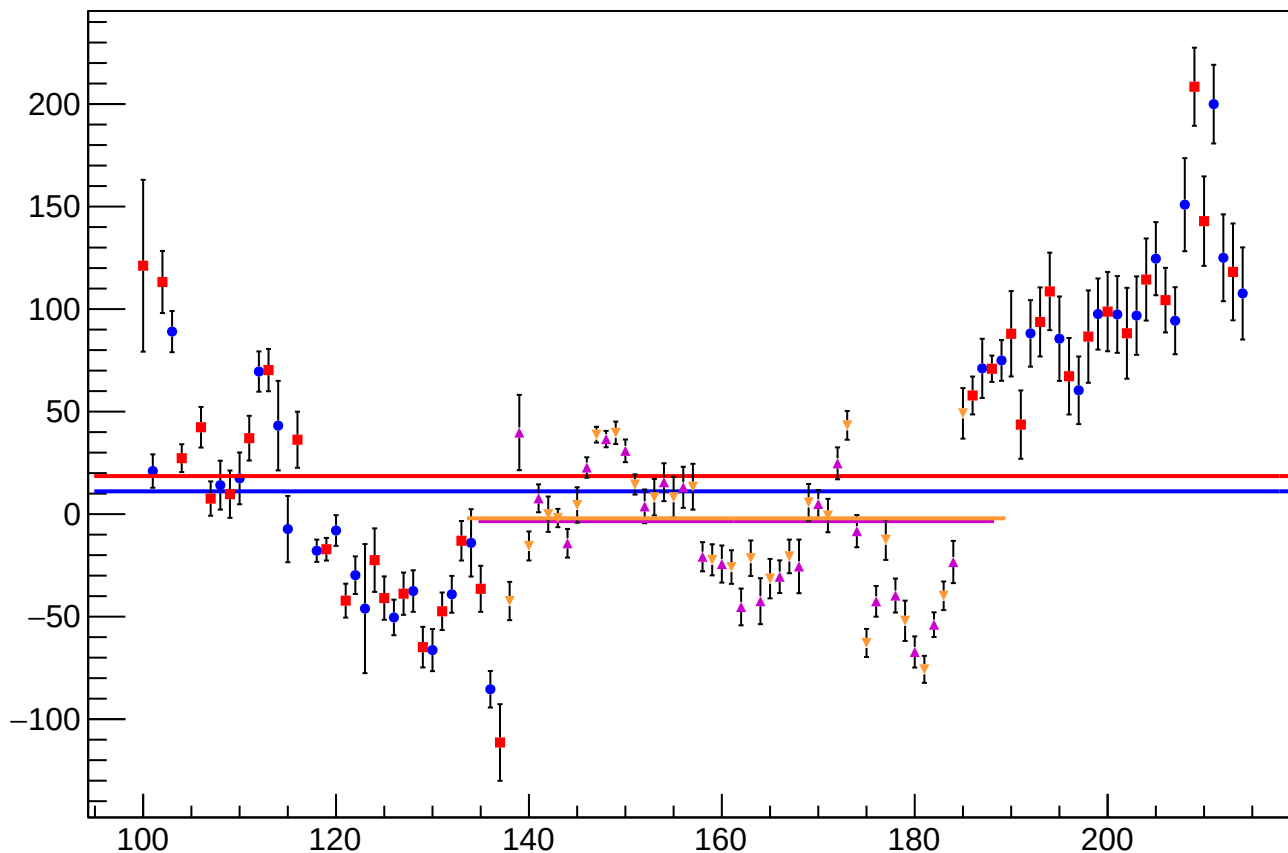
Left In: -408.696 $\pm$ 1.979 χ^2 /NDF: 3062.9/22

+ sign -418.353 $\pm$ 1.633 χ^2 /NDF: 5618.8/38

All: -432.507 $\pm$ 1.149 χ^2 /NDF: 13230.4/76

- sign -446.382 $\pm$ 1.617 χ^2 /NDF: 7463.0/37

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 11.120 ± 2.085 χ^2/NDF : 858.3/30

Left Out: -2.037 ± 1.424 χ^2/NDF : 563.8/24

Right Out: 18.556 ± 1.937 χ^2/NDF : 841.7/33

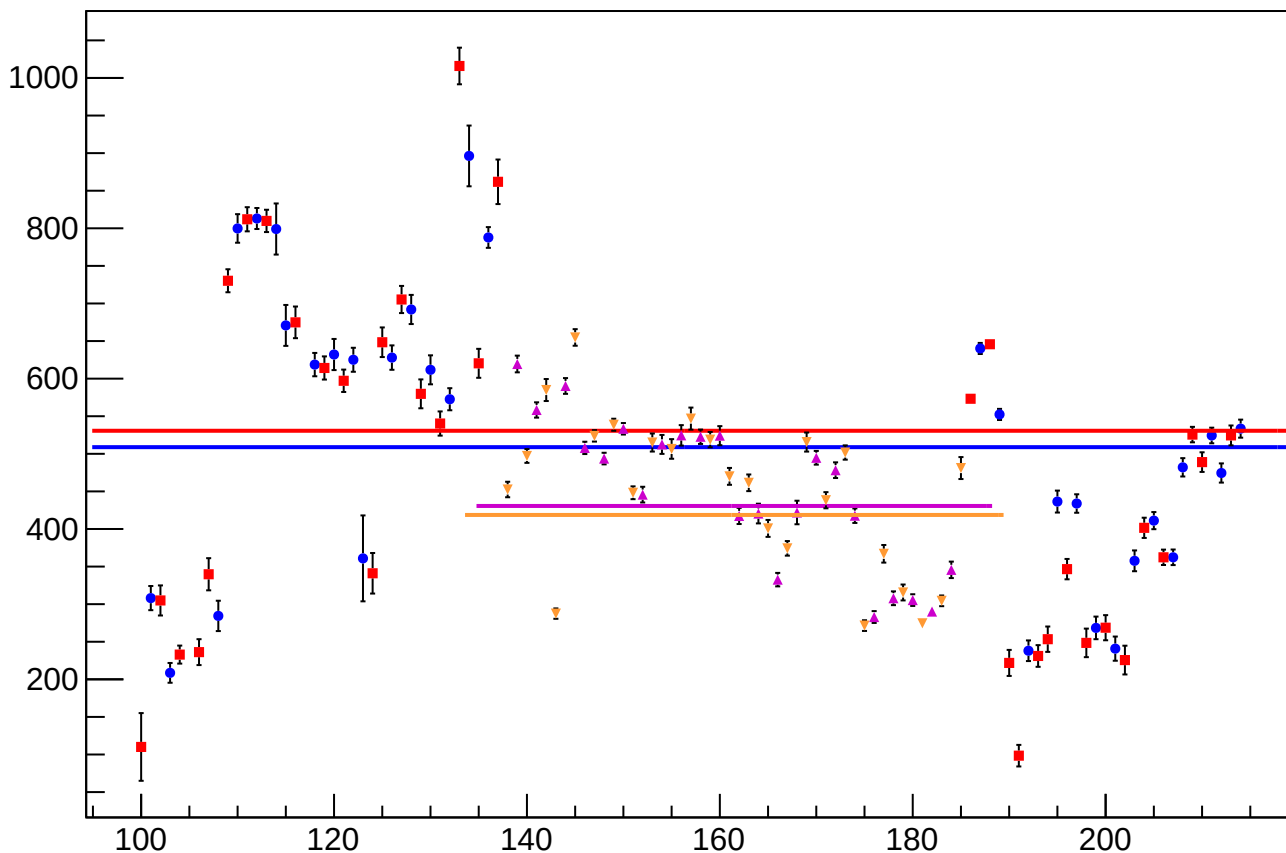
Left In: -3.420 ± 1.520 χ^2/NDF : 451.0/22

+ sign 2.149 ± 1.176 χ^2/NDF : 1449.3/55

All: 3.528 ± 0.839 χ^2/NDF : 2824.3/112

- sign 4.954 ± 1.196 χ^2/NDF : 1372.3/56

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 508.859 ± 2.458 $\chi^2/\text{NDF}: 4201.9/30$

Left Out: 418.680 ± 1.905 $\chi^2/\text{NDF}: 3296.5/24$

Right Out: 530.669 ± 2.100 $\chi^2/\text{NDF}: 7088.0/33$

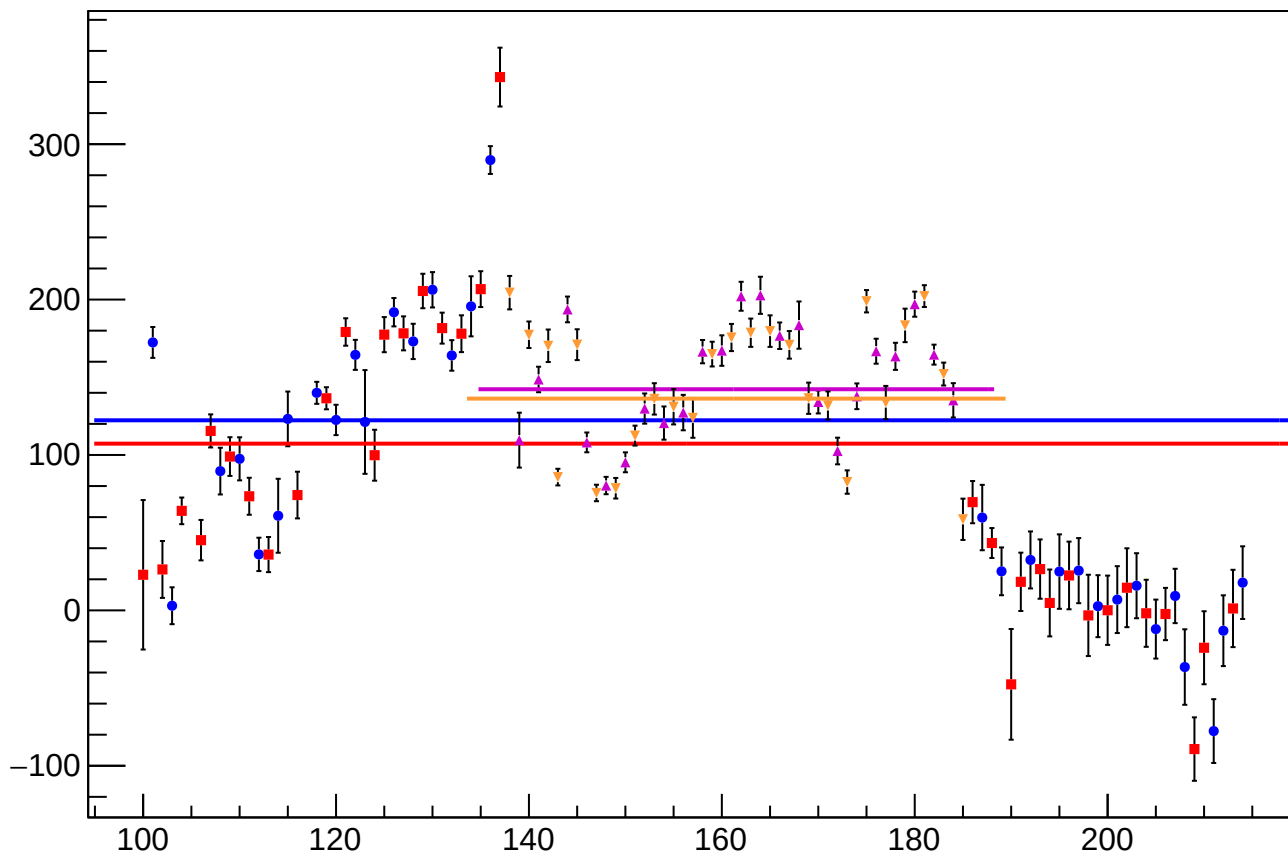
Left In: 430.640 ± 1.971 $\chi^2/\text{NDF}: 2850.6/22$

+ sign 452.523 ± 1.506 $\chi^2/\text{NDF}: 8339.5/55$

All: 465.584 ± 1.040 $\chi^2/\text{NDF}: 19628.4/112$

- sign 477.482 ± 1.437 $\chi^2/\text{NDF}: 11145.1/56$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 122.307 $\pm$ 2.426 χ^2/NDF : 1232.8/30

Left Out: 136.258 $\pm$ 1.651 χ^2/NDF : 758.3/24

Right Out: 107.289 $\pm$ 2.300 χ^2/NDF : 1101.4/33

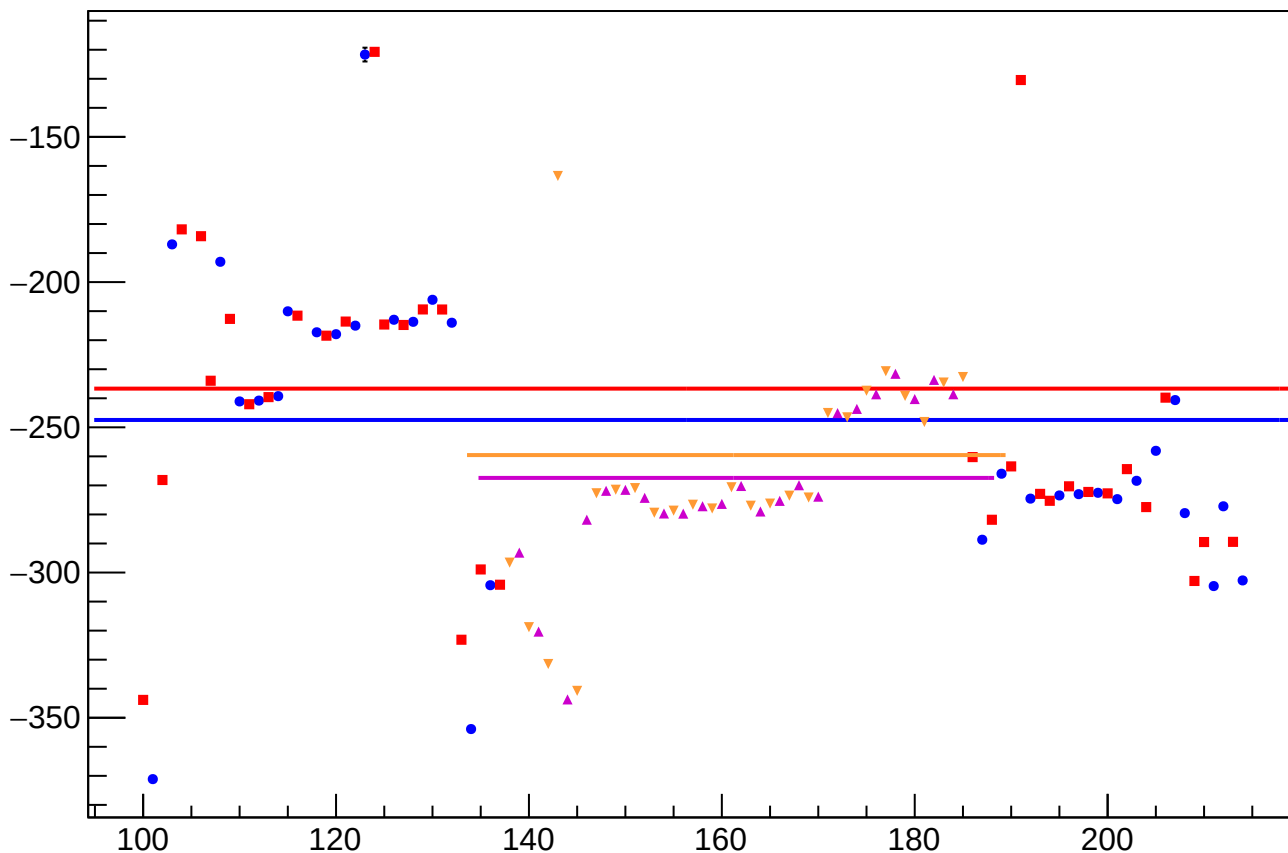
Left In: 142.296 $\pm$ 1.745 χ^2/NDF : 459.8/22

+ sign 131.841 $\pm$ 1.365 χ^2/NDF : 2013.7/55

All: 130.696 $\pm$ 0.974 χ^2/NDF : 3723.3/112

- sign 129.508 $\pm$ 1.390 χ^2/NDF : 1708.2/56

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -247.468 ± 0.120 $\chi^2/\text{NDF}: 171303.9/30$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -236.675 ± 0.112 $\chi^2/\text{NDF}: 183443.6/33$

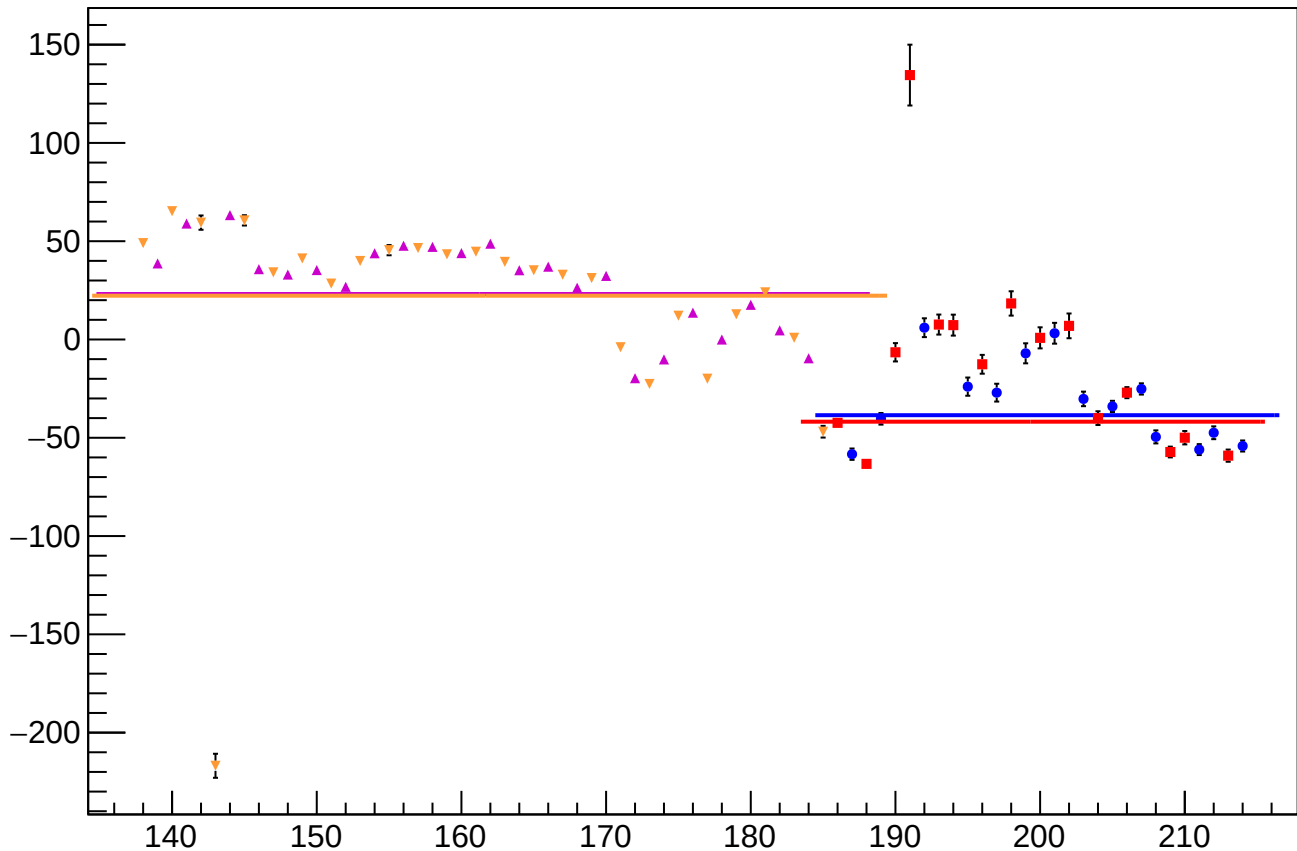
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -255.916 ± 0.066 $\chi^2/\text{NDF}: 416576.3/55$

All: -256.353 ± 0.047 $\chi^2/\text{NDF}: 747120.9/112$

- sign -256.790 ± 0.066 $\chi^2/\text{NDF}: 330457.1/56$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -38.517 ± 0.911 χ^2/NDF : 368.5/13

Left Out: 22.279 ± 0.399 χ^2/NDF : 5171.0/24

Right Out: -41.815 ± 0.810 χ^2/NDF : 906.7/14

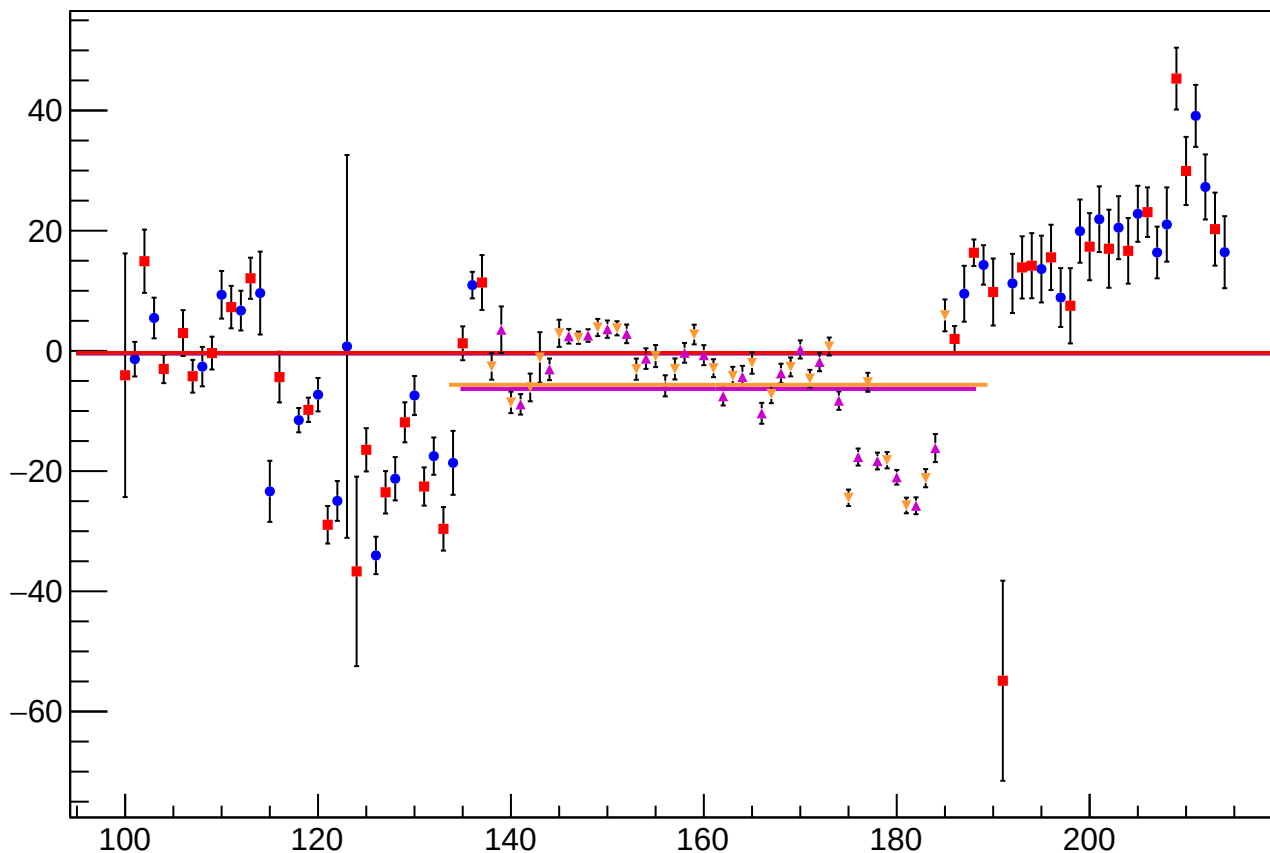
Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 12.505 ± 0.365 χ^2/NDF : 9276.7/38

All: 11.402 ± 0.256 χ^2/NDF : 18106.3/76

- sign 10.332 ± 0.360 χ^2/NDF : 8811.7/37

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.431 ± 0.676 χ^2/NDF : 583.9/30

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -0.346 ± 0.626 χ^2/NDF : 613.1/33

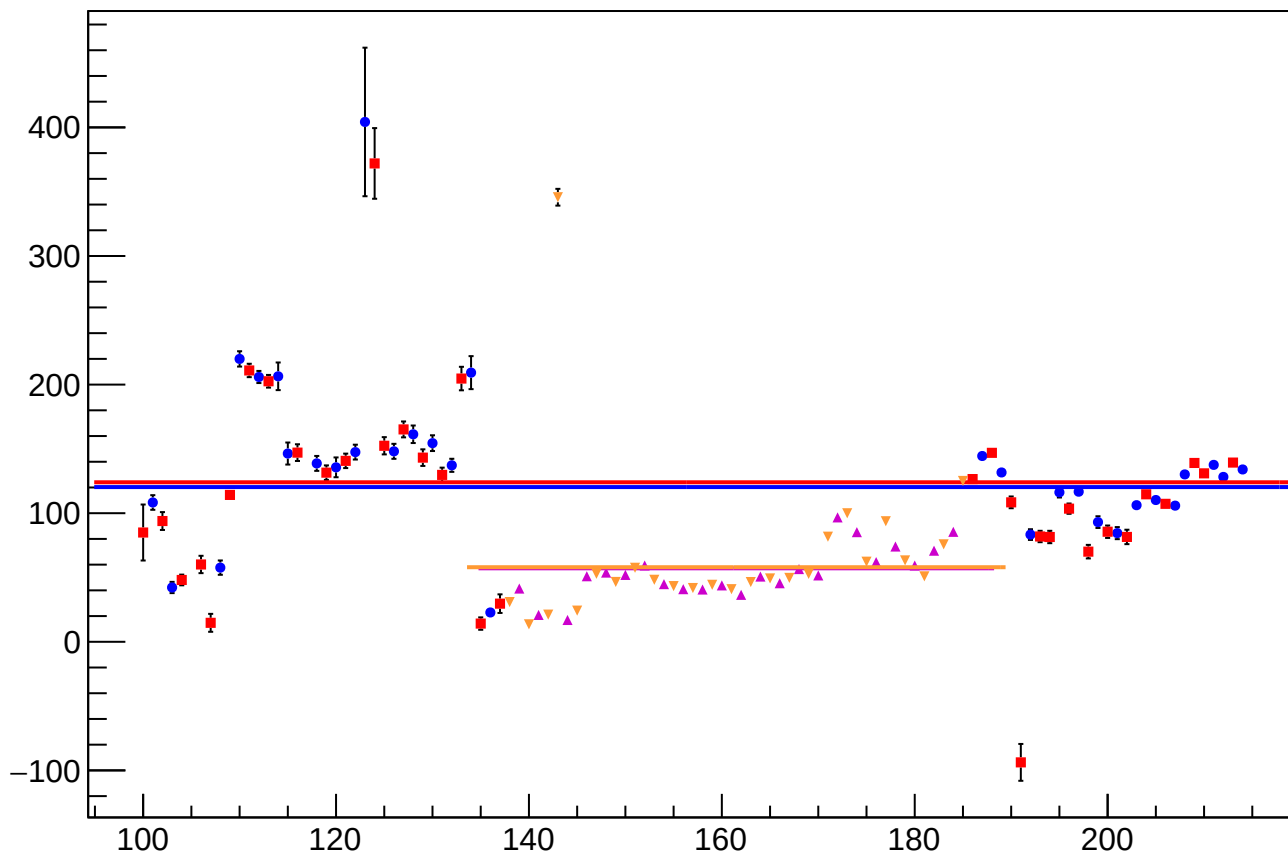
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -4.710 ± 0.286 χ^2/NDF : 1526.4/55

All: -4.899 ± 0.202 χ^2/NDF : 2995.9/112

- sign -5.088 ± 0.286 χ^2/NDF : 1468.6/56

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 120.313 $\pm$ 0.735 χ^2 /NDF: 2588.0/30

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 124.037 $\pm$ 0.630 χ^2 /NDF: 3272.3/33

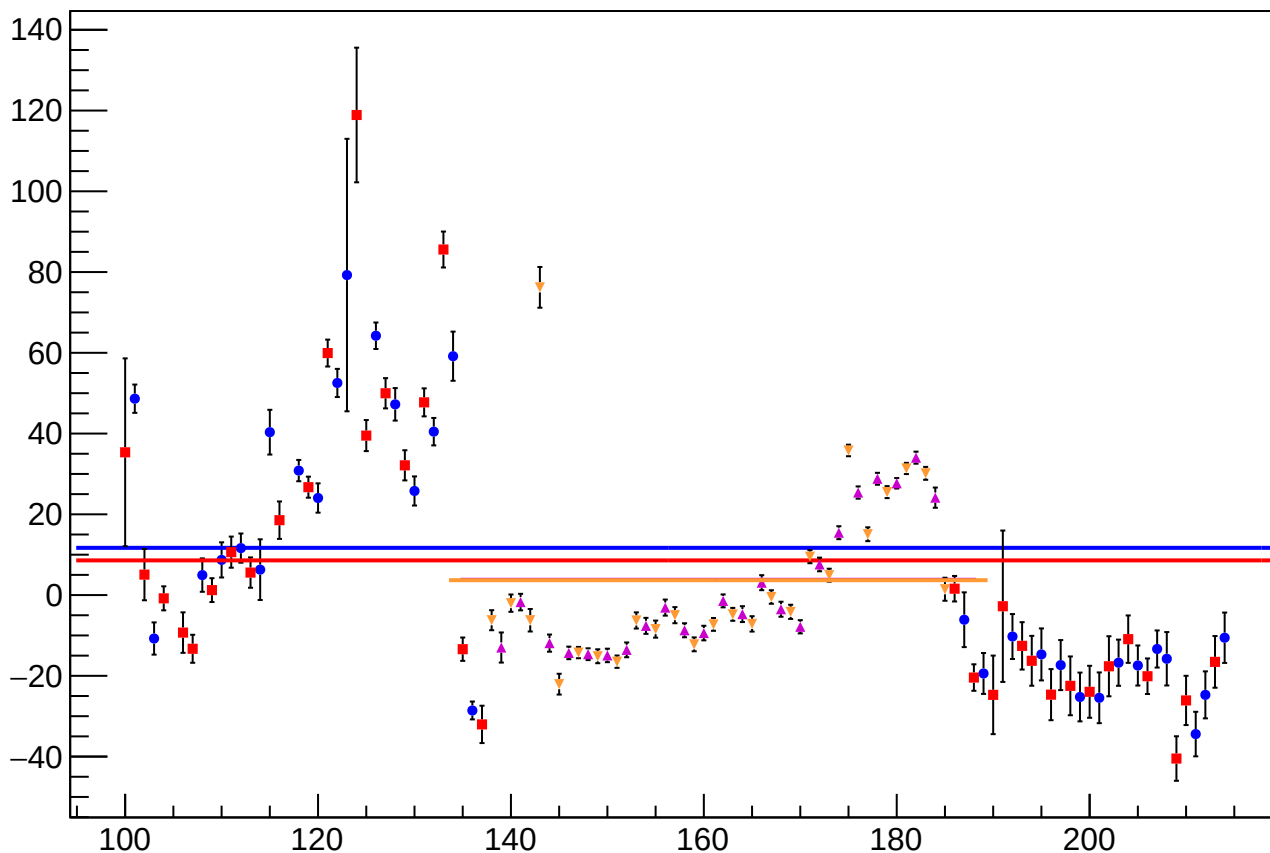
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 72.120 $\pm$ 0.350 χ^2 /NDF: 12784.5/55

All: 74.297 $\pm$ 0.243 χ^2 /NDF: 25973.9/112

- sign 76.323 $\pm$ 0.337 χ^2 /NDF: 13114.7/56

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 11.700 $\pm$ 0.776 χ^2 /NDF: 1590.9/30

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF: 2541.7/24

Right Out: 8.589 $\pm$ 0.740 χ^2 /NDF: 1581.9/33

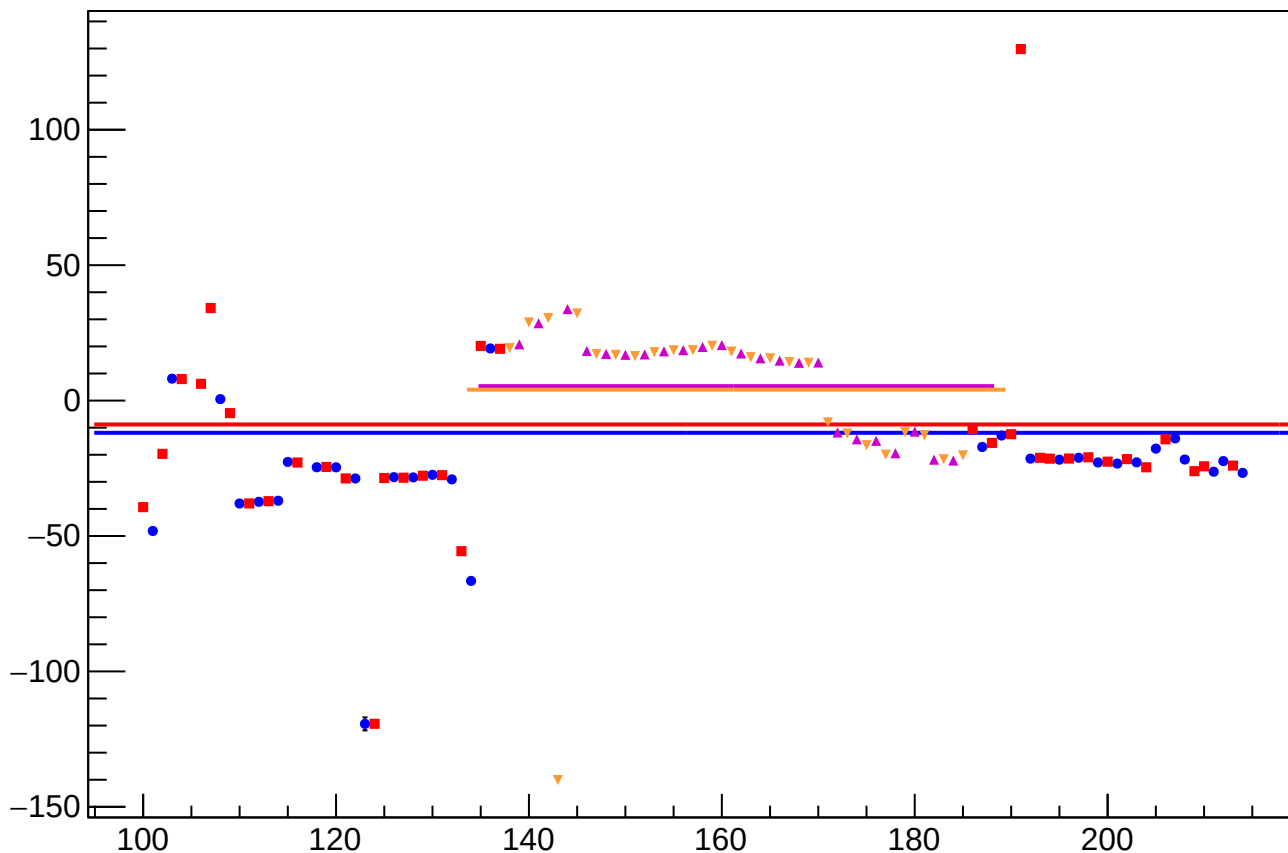
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 5.082 $\pm$ 0.324 χ^2 /NDF: 4220.6/55

All: 4.897 $\pm$ 0.230 χ^2 /NDF: 8036.0/112

- sign 4.712 $\pm$ 0.325 χ^2 /NDF: 3814.7/56

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -11.895 ± 0.036 $\chi^2/\text{NDF}: 305639.0/30$

Left Out: 4.026 ± 0.016 $\chi^2/\text{NDF}: 1383143.9/24$

Right Out: -8.814 ± 0.035 $\chi^2/\text{NDF}: 397435.5/33$

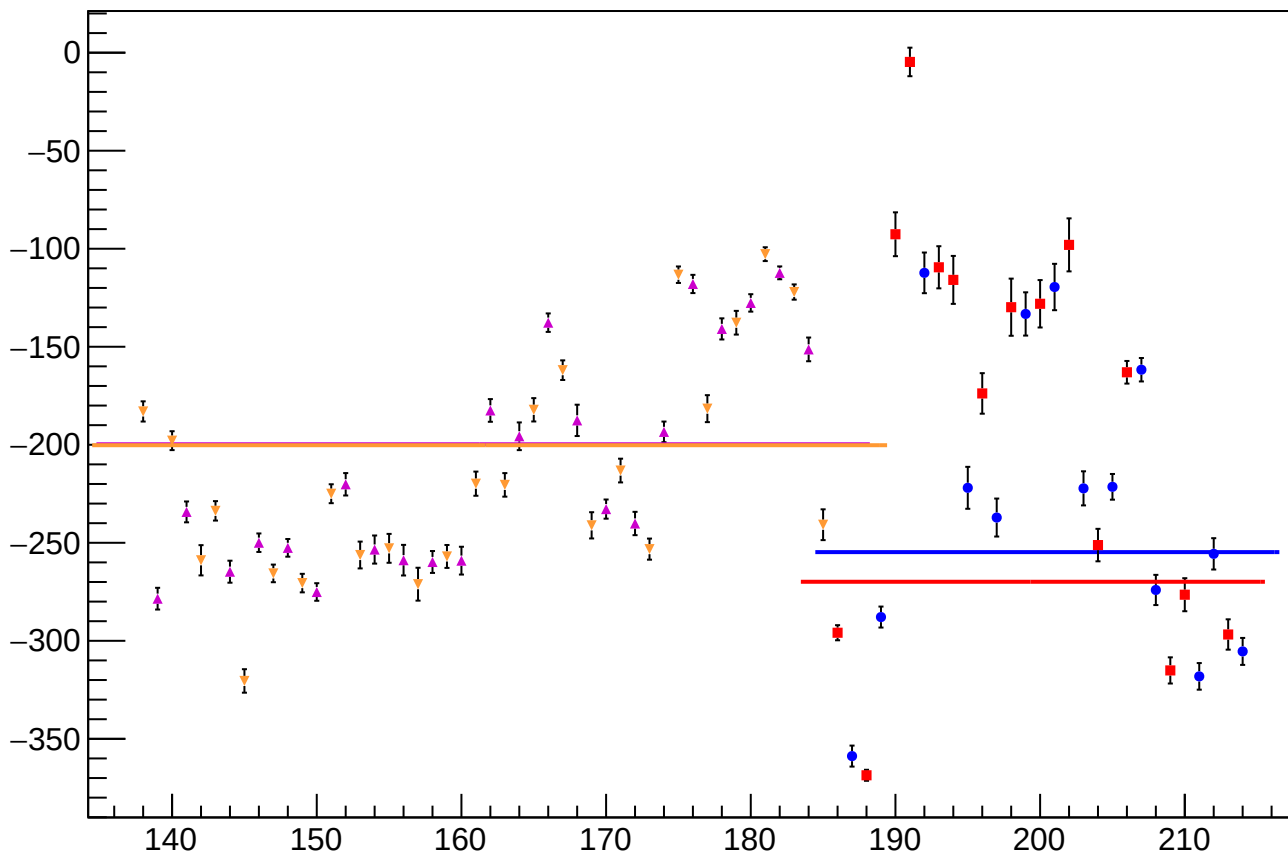
Left In: 5.335 ± 0.016 $\chi^2/\text{NDF}: 1077818.8/22$

+ sign 1.325 ± 0.015 $\chi^2/\text{NDF}: 1849353.5/55$

All: 2.079 ± 0.011 $\chi^2/\text{NDF}: 3460982.8/112$

- sign 2.833 ± 0.015 $\chi^2/\text{NDF}: 1606513.0/56$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -254.756 ± 1.986 $\chi^2/\text{NDF}: 1298.6/13$

Left Out: -200.228 ± 1.078 $\chi^2/\text{NDF}: 3225.0/24$

Right Out: -269.881 ± 1.666 $\chi^2/\text{NDF}: 4121.4/14$

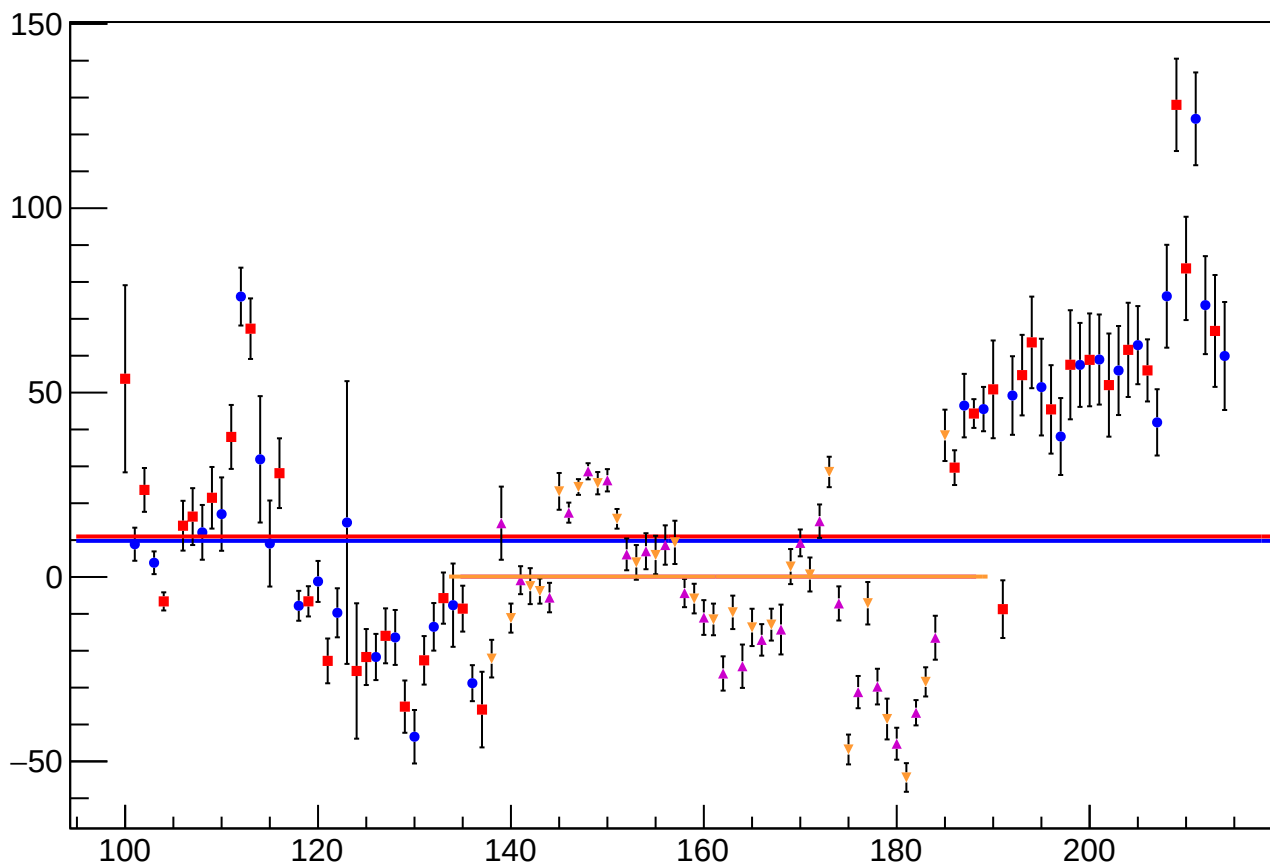
Left In: -199.739 ± 1.097 $\chi^2/\text{NDF}: 2968.0/22$

+ sign -212.638 ± 0.947 $\chi^2/\text{NDF}: 5106.1/38$

All: -216.935 ± 0.659 $\chi^2/\text{NDF}: 13471.1/76$

- sign -220.957 ± 0.917 $\chi^2/\text{NDF}: 8325.2/37$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.798 ± 1.299 χ^2/NDF : 589.1/30

Left Out: 0.109 ± 0.807 χ^2/NDF : 831.2/24

Right Out: 10.985 ± 1.180 χ^2/NDF : 662.4/33

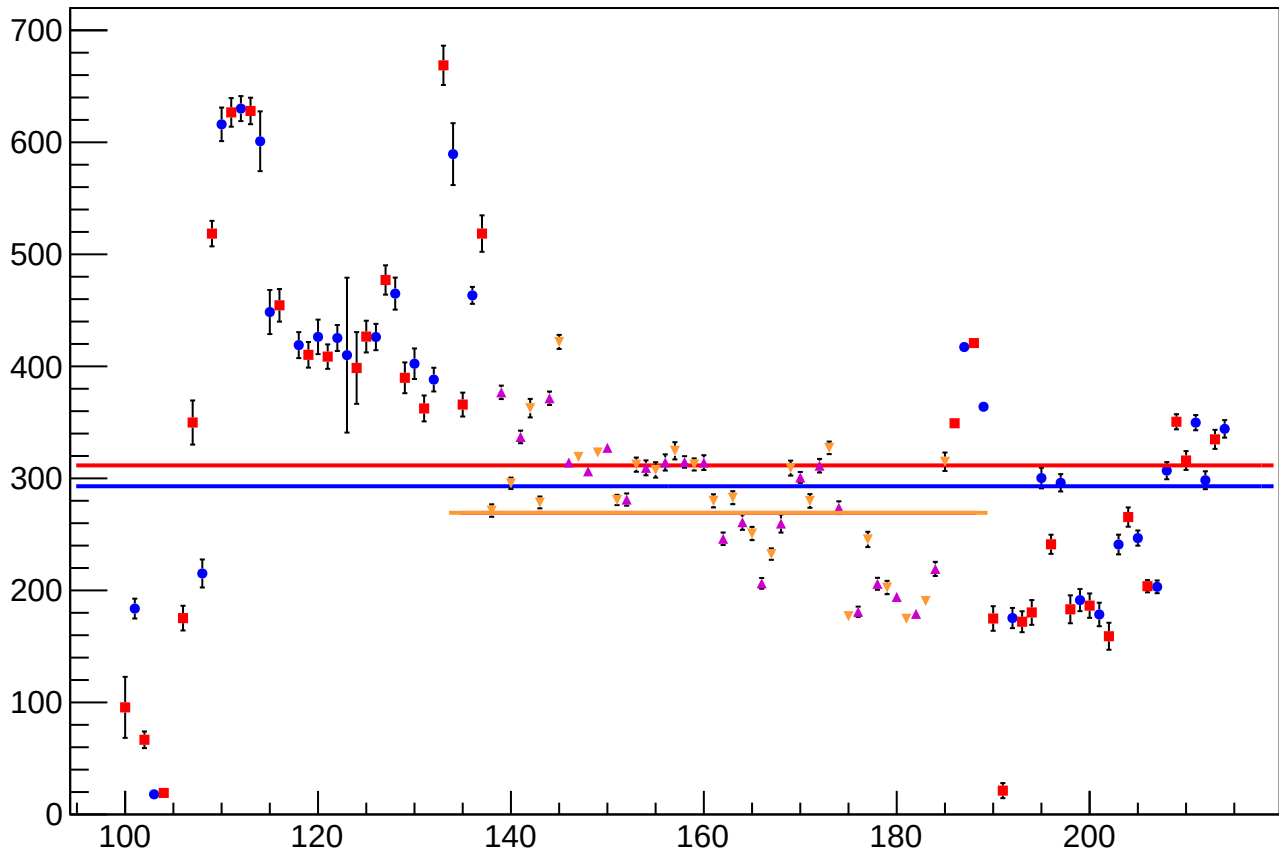
Left In: 0.097 ± 0.838 χ^2/NDF : 715.5/22

+ sign 2.808 ± 0.686 χ^2/NDF : 1460.5/55

All: 3.279 ± 0.484 χ^2/NDF : 2895.9/112

- sign 3.748 ± 0.683 χ^2/NDF : 1434.5/56

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 292.980 $\pm$ 1.475 χ^2 /NDF: 9636.8/30

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 311.593 $\pm$ 1.241 χ^2 /NDF: 14403.6/33

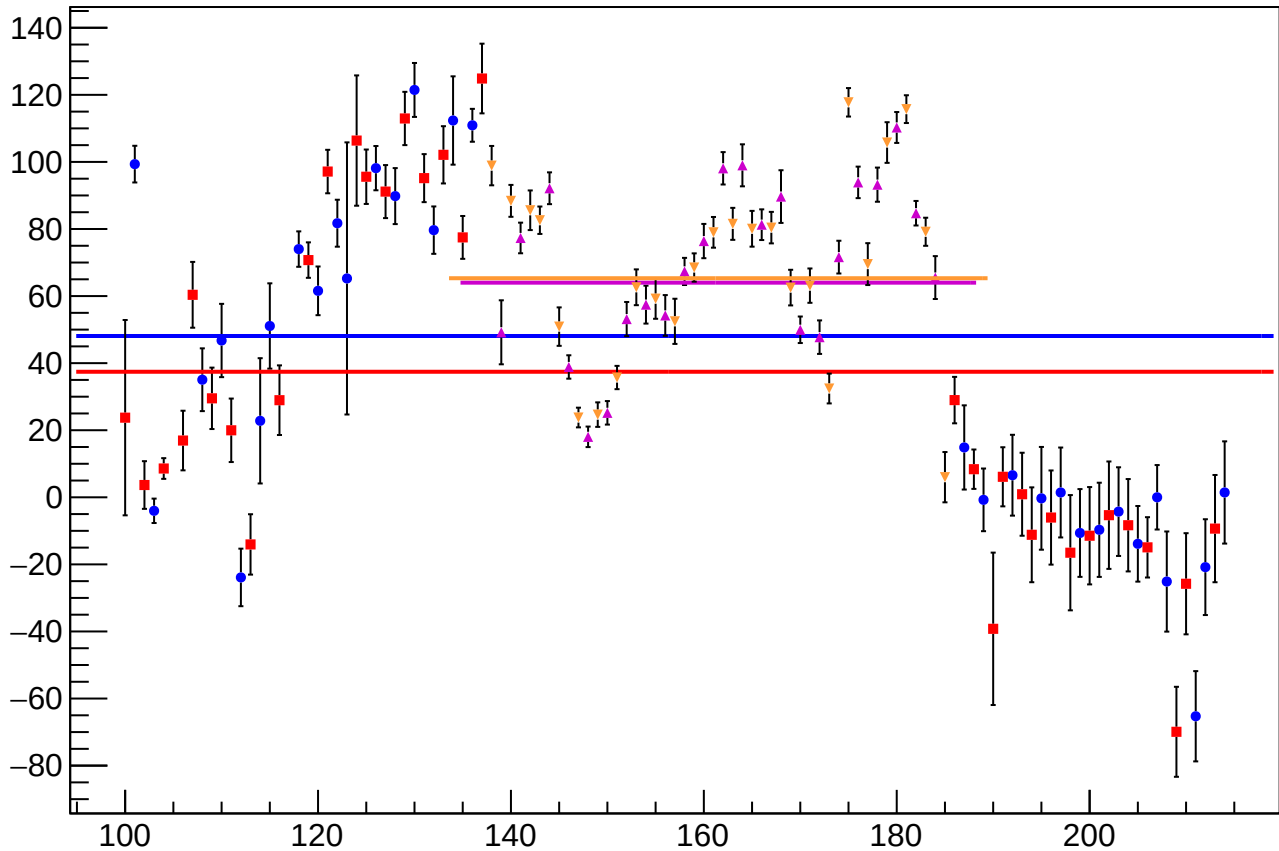
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 277.529 $\pm$ 0.870 χ^2 /NDF: 12951.9/55

All: 282.902 $\pm$ 0.596 χ^2 /NDF: 31256.3/112

- sign 287.666 $\pm$ 0.819 χ^2 /NDF: 18232.5/56

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 48.097 $\pm$ 1.514 χ^2/NDF : 1095.7/30

Left Out: 65.323 $\pm$ 0.935 χ^2/NDF :1007.1/24

Right Out: 37.435 $\pm$ 1.422 χ^2/NDF : 959.7/33

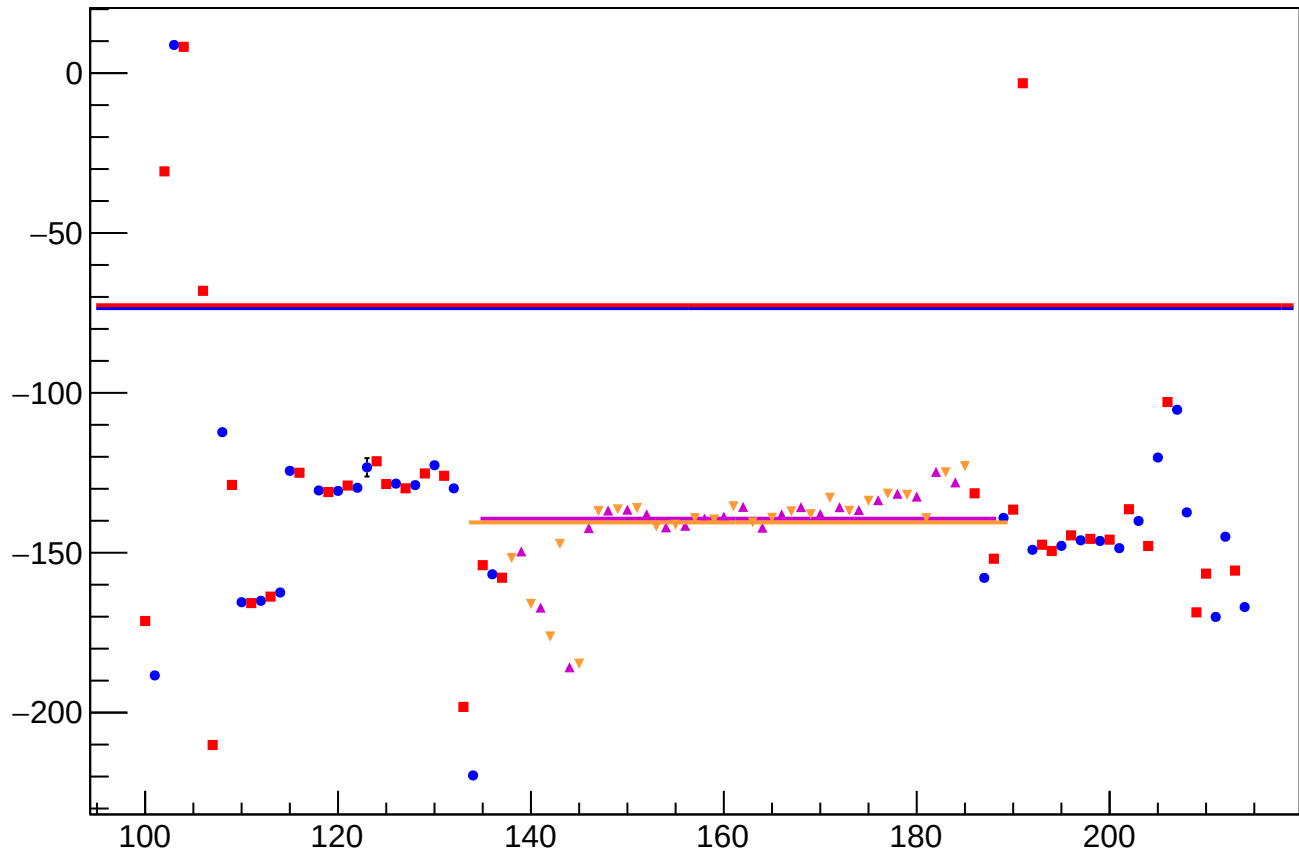
Left In: 63.999 $\pm$ 0.963 χ^2/NDF :799.5/22

+ sign 60.568 $\pm$ 0.795 χ^2/NDF : 2196.6/55

All: 58.113 $\pm$ 0.563 χ^2/NDF : 4214.2/112

- sign 55.645 $\pm$ 0.797 χ^2/NDF : 1998.5/56

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -73.488 ± 0.062 $\chi^2/\text{NDF}: 1598148.8/30$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -72.609 ± 0.060 $\chi^2/\text{NDF}: 1435805.3/33$

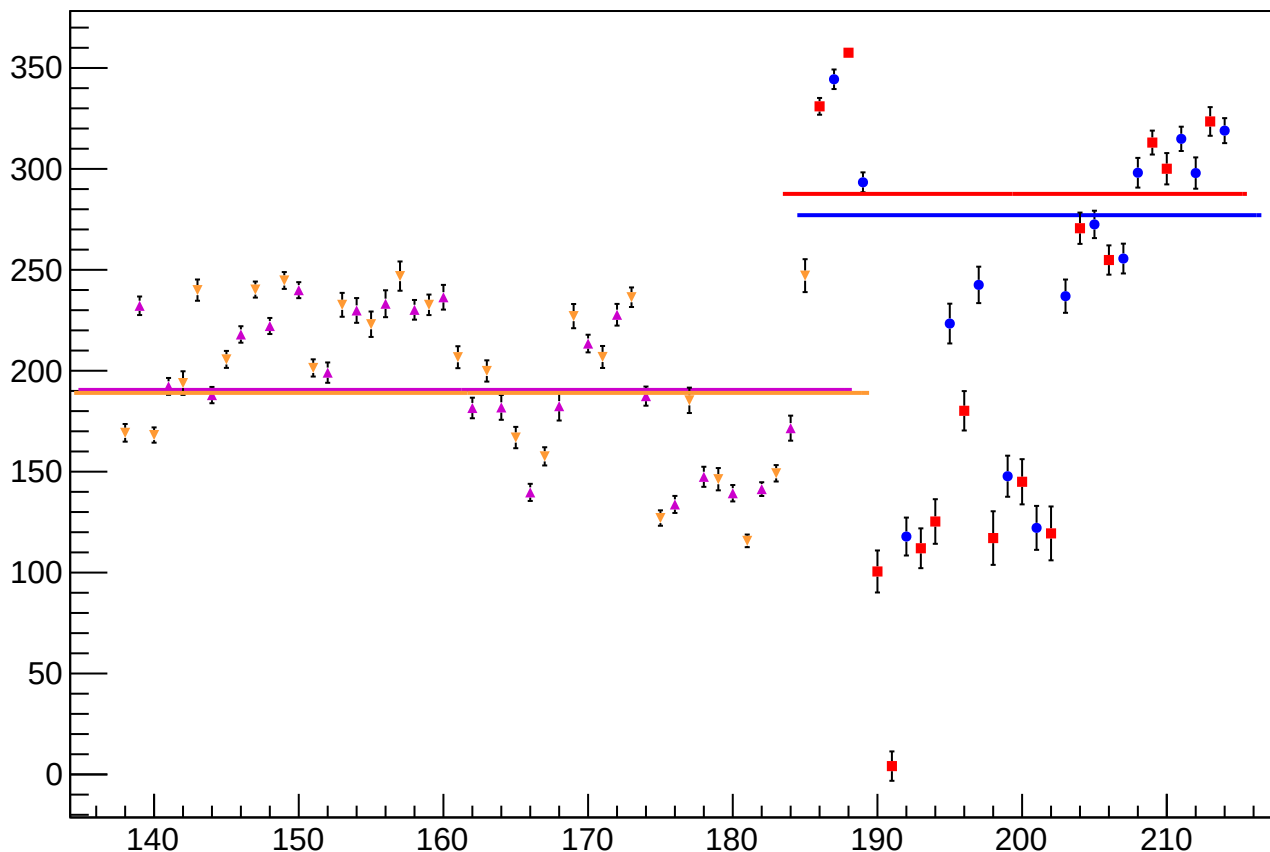
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -117.555 ± 0.036 $\chi^2/\text{NDF}: 2451088.3/55$

All: -116.484 ± 0.026 $\chi^2/\text{NDF}: 4739989.7/11$

- sign -115.417 ± 0.036 $\chi^2/\text{NDF}: 2287146.2/56$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 277.074 ± 1.891 $\chi^2/\text{NDF}: 1033.3/13$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 287.623 ± 1.593 $\chi^2/\text{NDF}: 3940.1/14$

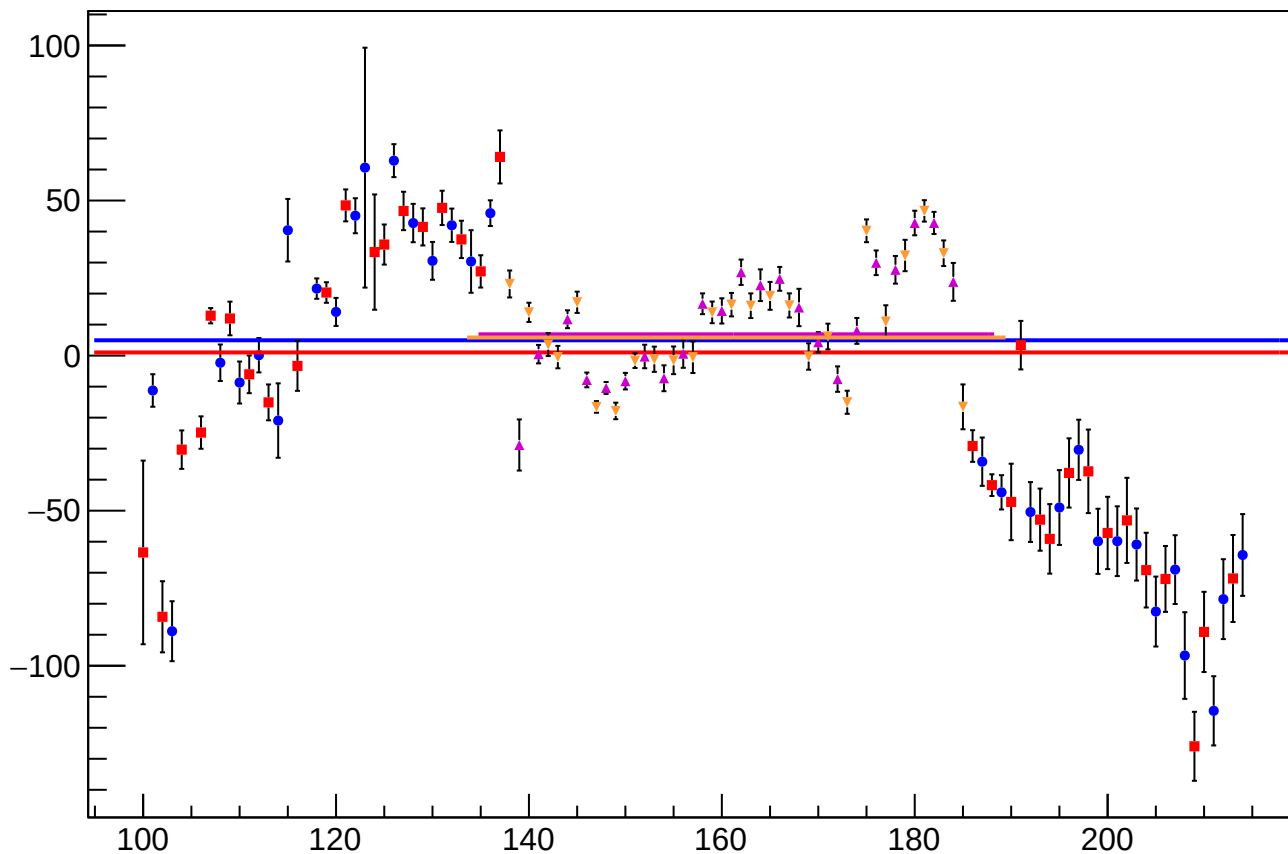
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 206.947 ± 0.853 $\chi^2/\text{NDF}: 4740.7/38$

All: 212.089 ± 0.596 $\chi^2/\text{NDF}: 12868.3/76$

- sign 216.977 ± 0.832 $\chi^2/\text{NDF}: 8056.7/37$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 4.942 ± 1.236 $\chi^2/\text{NDF}: 1150.1/30$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 1.021 ± 1.063 $\chi^2/\text{NDF}: 1189.9/33$

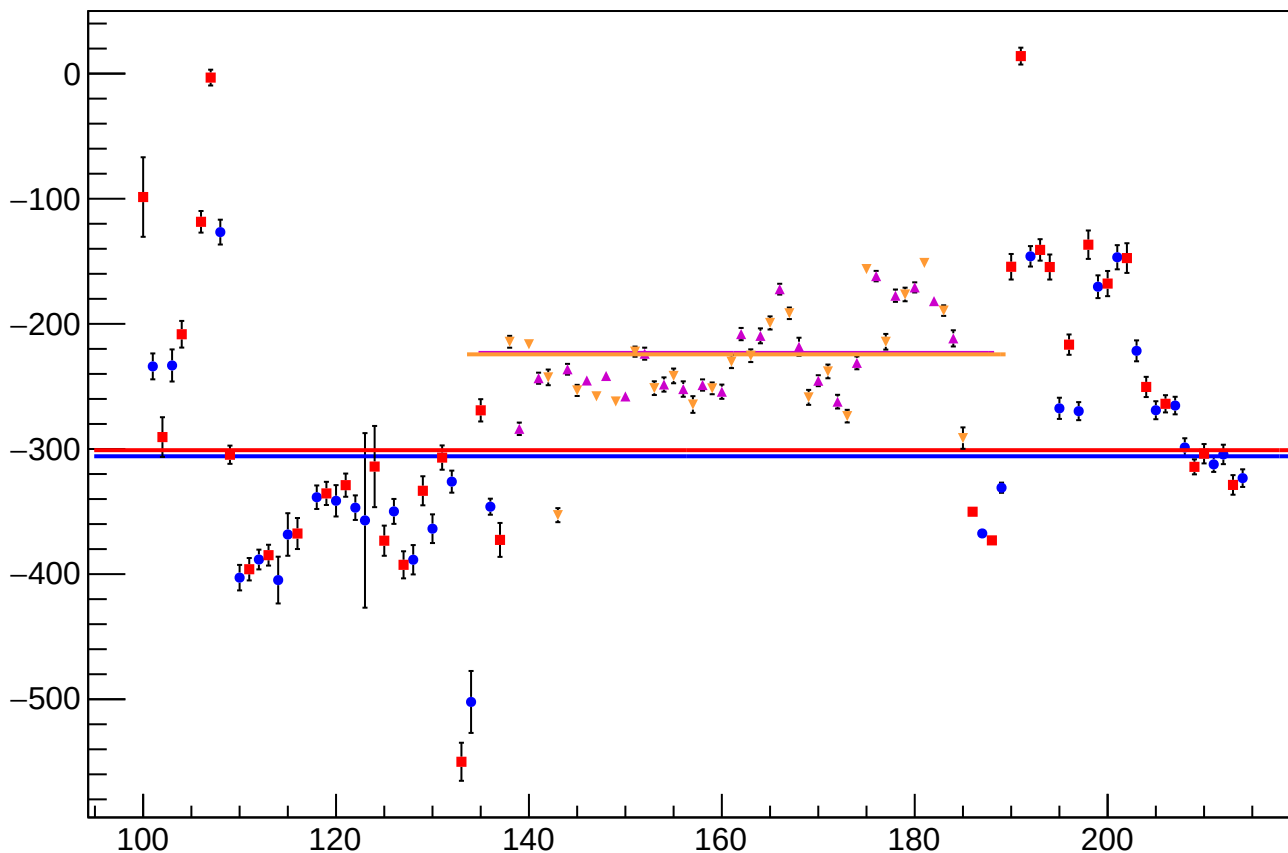
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 5.612 ± 0.617 $\chi^2/\text{NDF}: 1802.7/55$

All: 5.284 ± 0.432 $\chi^2/\text{NDF}: 3536.3/112$

- sign 4.969 ± 0.605 $\chi^2/\text{NDF}: 1733.0/56$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -305.816 ± 1.442 χ^2/NDF : 2256.9/30

Left Out: -224.364 ± 0.956 χ^2/NDF : 2103.2/24

Right Out: -300.947 ± 1.183 χ^2/NDF : 8677.6/33

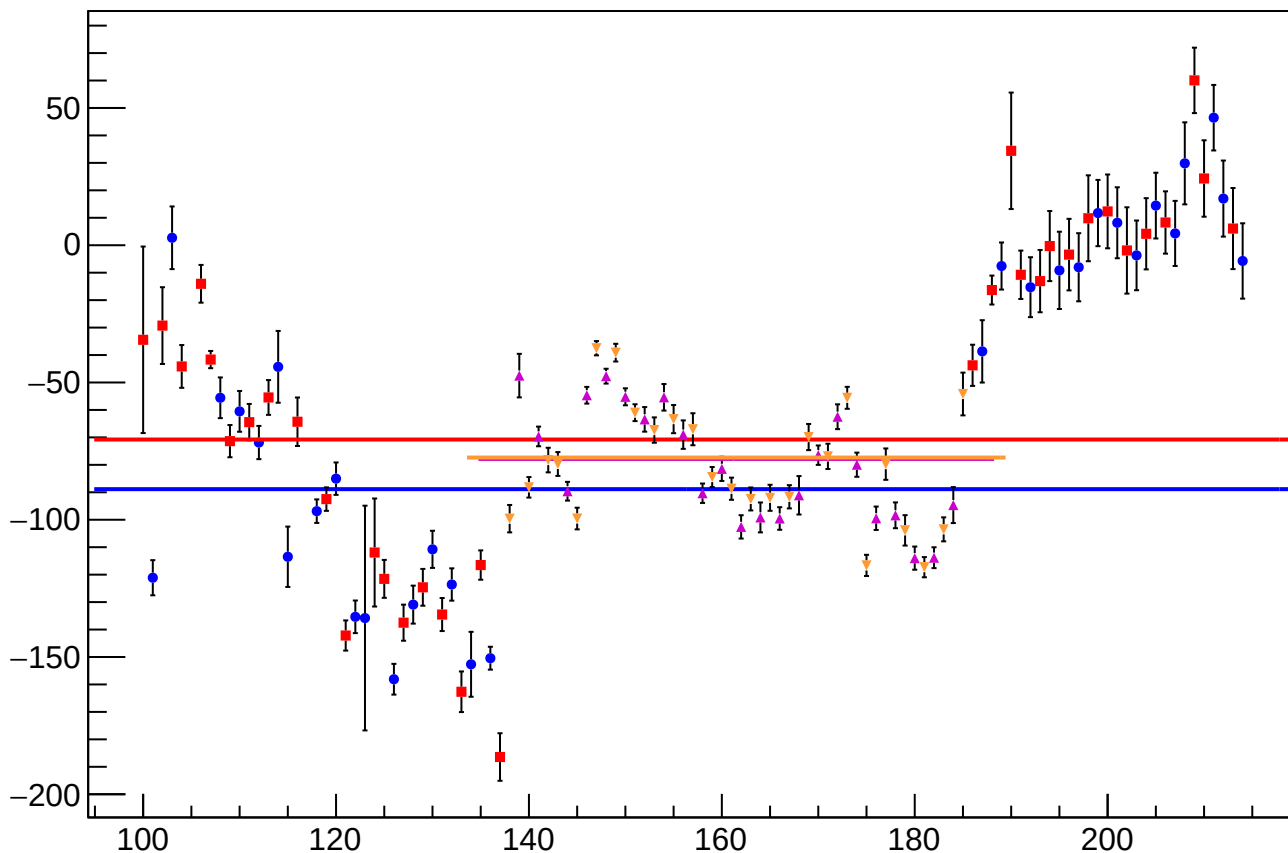
Left In: -223.223 ± 0.969 χ^2/NDF : 1269.3/22

+ sign -249.227 ± 0.797 χ^2/NDF : 6575.9/55

All: -251.998 ± 0.546 χ^2/NDF : 19129.6/112

- sign -254.450 ± 0.750 χ^2/NDF : 12530.9/56

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -88.858±1.434 χ^2/NDF : 1521.3/30

Left Out: -77.343±0.827 χ^2/NDF : 846.2/24

Right Out: -70.777±1.272 χ^2/NDF : 1755.3/33

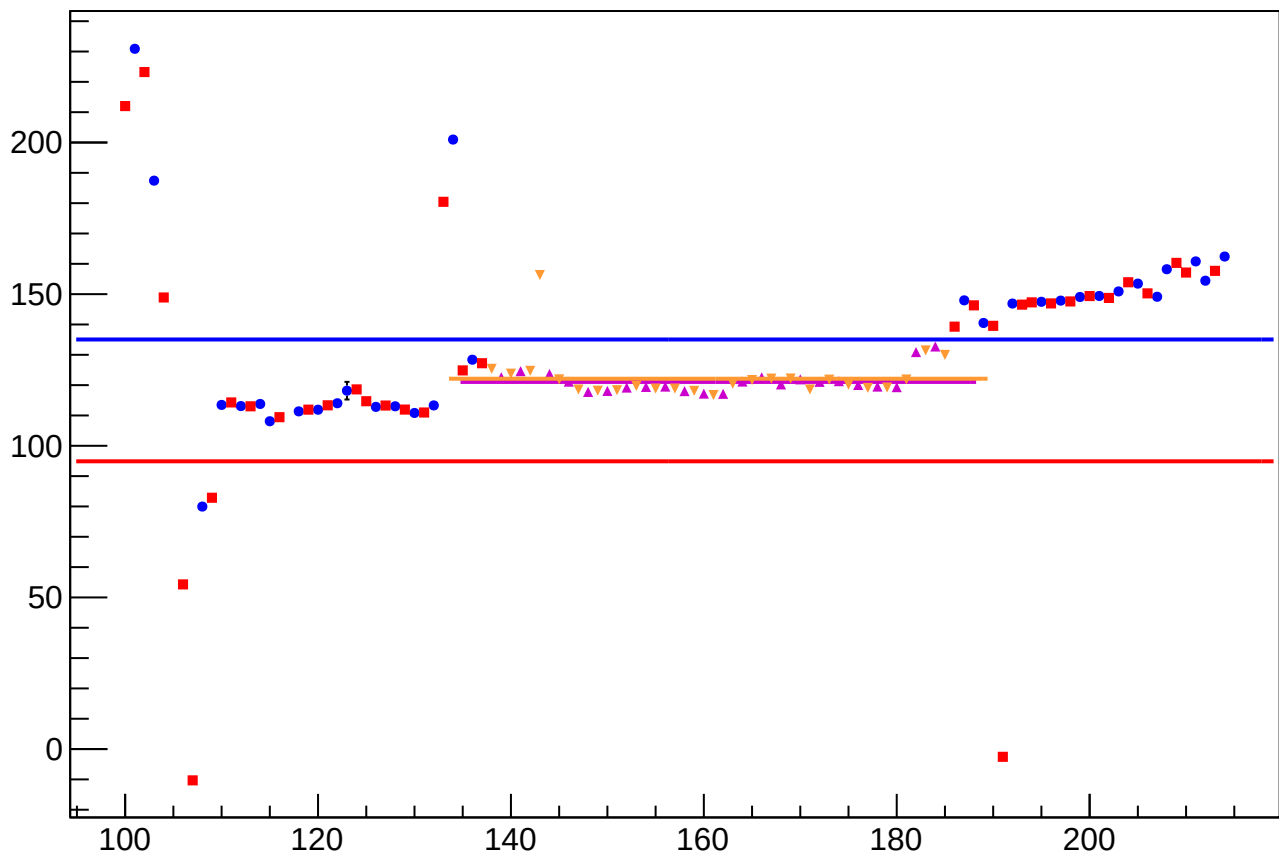
Left In: -77.838±0.849 χ^2/NDF : 622.8/22

+ sign -80.217±0.716 χ^2/NDF : 2415.9/55

All: -77.907±0.503 χ^2/NDF : 4835.9/112

- sign -75.662±0.706 χ^2/NDF : 2399.5/56

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



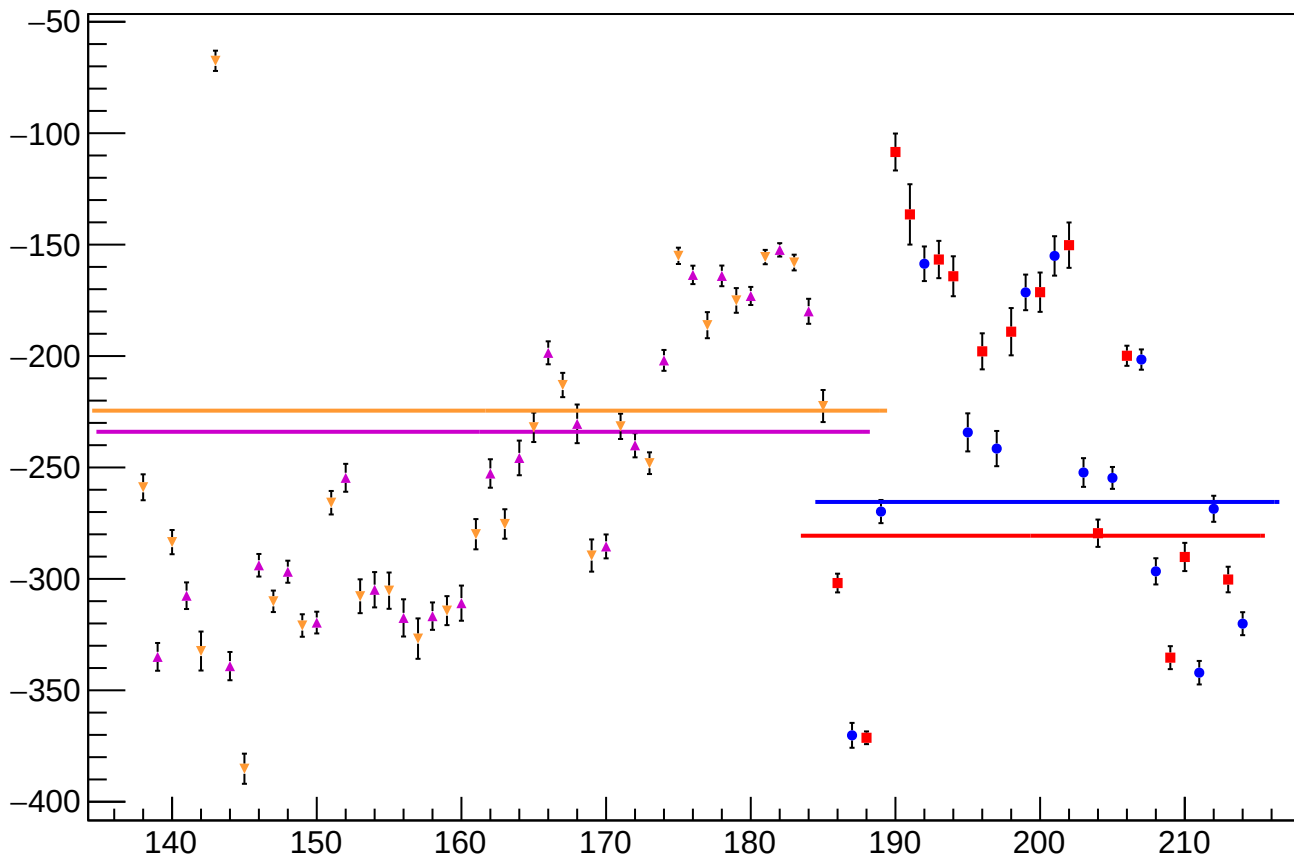
Right In: 135.053 $\pm$ 0.073 χ^2 /NDF: 210744.9/30
 Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24
 Right Out: 94.884 $\pm$ 0.061 χ^2 /NDF: 1161213.5/33
 Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 125.069 $\pm$ 0.035 χ^2 /NDF: 265787.6/55

All: 118.989 $\pm$ 0.024 χ^2 /NDF: 1622237.2/112

- sign 113.342 $\pm$ 0.033 χ^2 /NDF: 1296989.0/56

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -265.474+/-1.603 χ^2/NDF : 1416.4/13

Left Out: -224.501+/-1.079 χ^2/NDF : 4870.6/24

Right Out: -280.626+/-1.505 χ^2/NDF : 2912.2/14

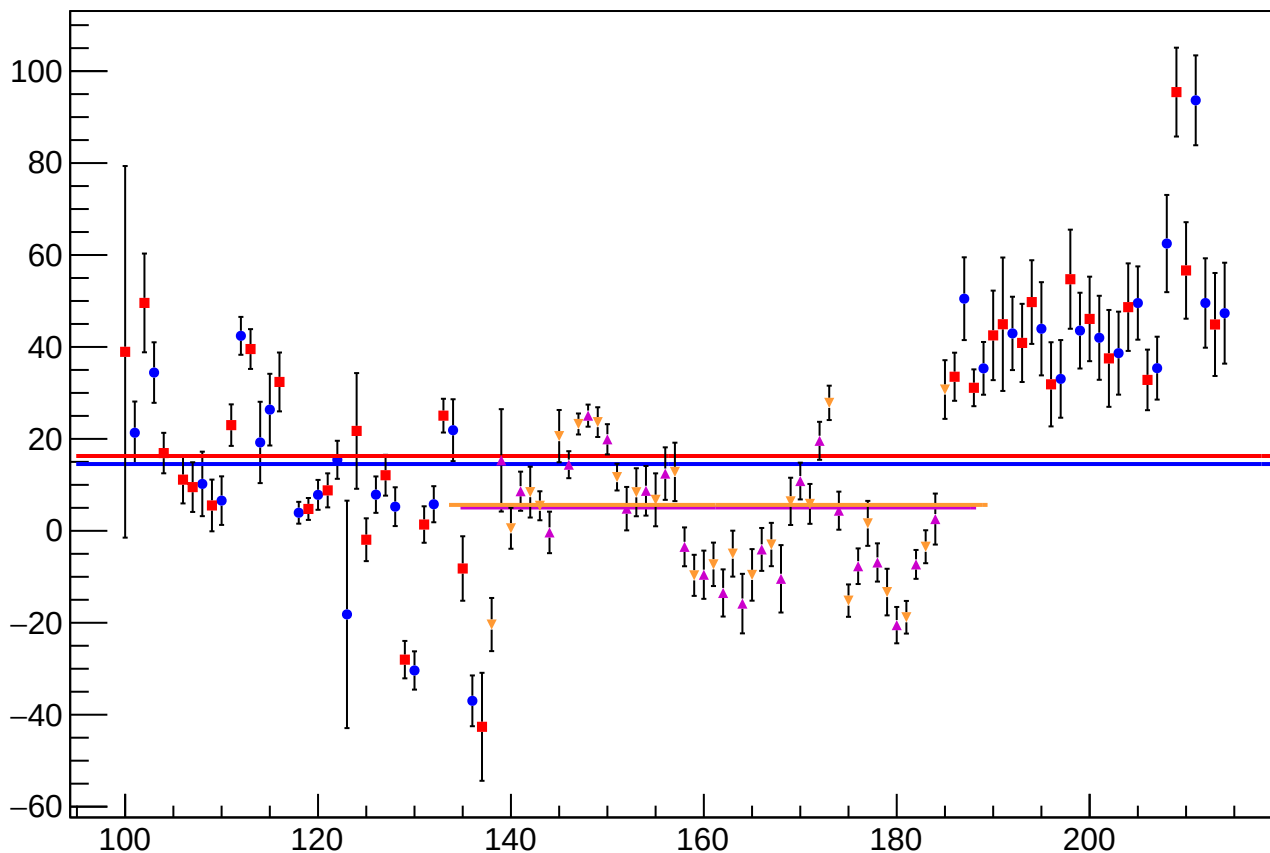
Left In: -233.988+/-1.109 χ^2/NDF : 3538.4/22

+ sign -237.280+/-0.895 χ^2/NDF : 6736.7/38

All: -243.855+/-0.632 χ^2/NDF : 13917.4/76

- sign -250.393+/-0.893 χ^2/NDF : 7073.2/37

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.529 ± 0.992 $\chi^2/\text{NDF}: 524.5/30$

Left Out: 5.638 ± 0.828 $\chi^2/\text{NDF}: 313.6/24$

Right Out: 16.279 ± 0.948 $\chi^2/\text{NDF}: 467.2/33$

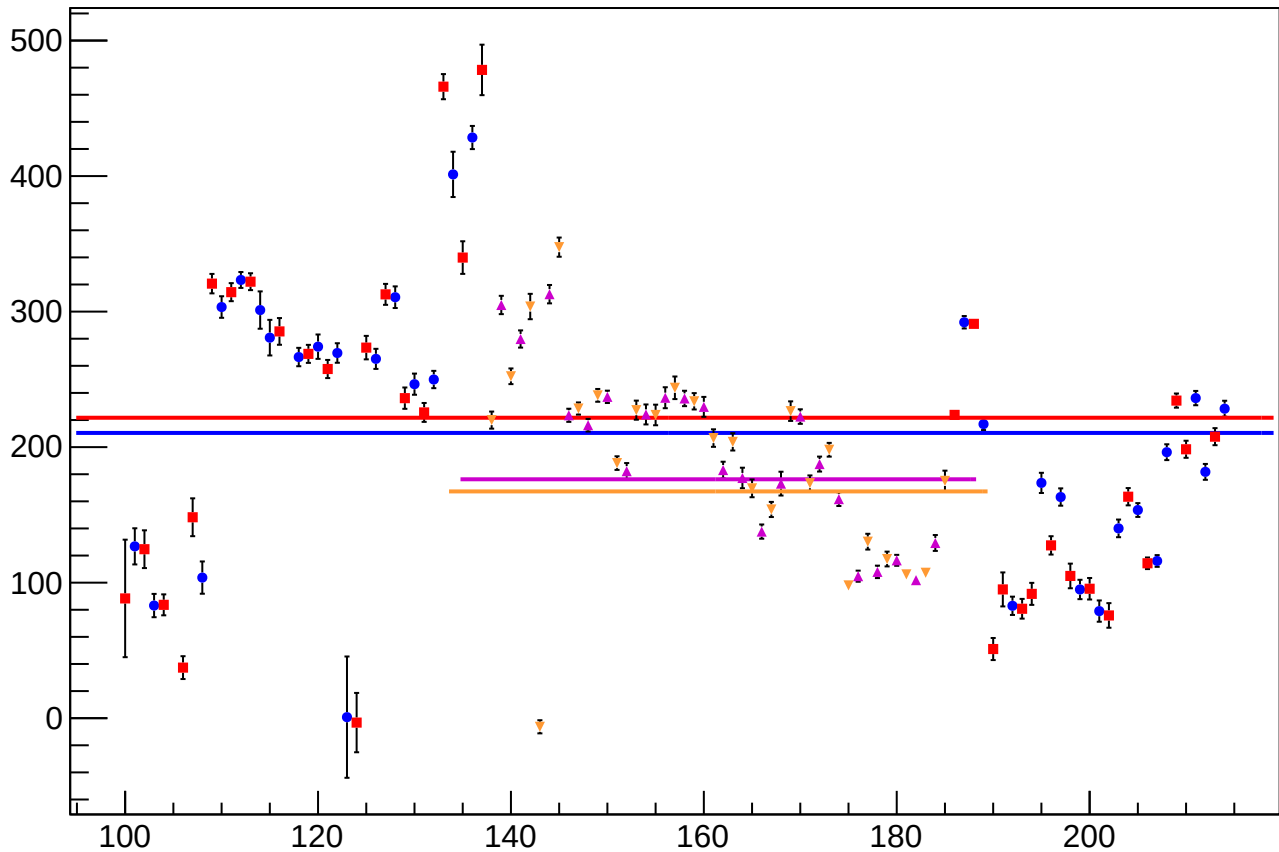
Left In: 5.077 ± 0.869 $\chi^2/\text{NDF}: 239.7/22$

+ sign 9.287 ± 0.636 $\chi^2/\text{NDF}: 885.5/55$

All: 9.735 ± 0.451 $\chi^2/\text{NDF}: 1669.2/112$

- sign 10.190 ± 0.641 $\chi^2/\text{NDF}: 782.7/56$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 210.479 $\pm$ 1.226 χ^2 /NDF: 4253.6/30

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF:4454.5/24

Right Out: 221.688 $\pm$ 1.107 χ^2 /NDF: 6595.7/33

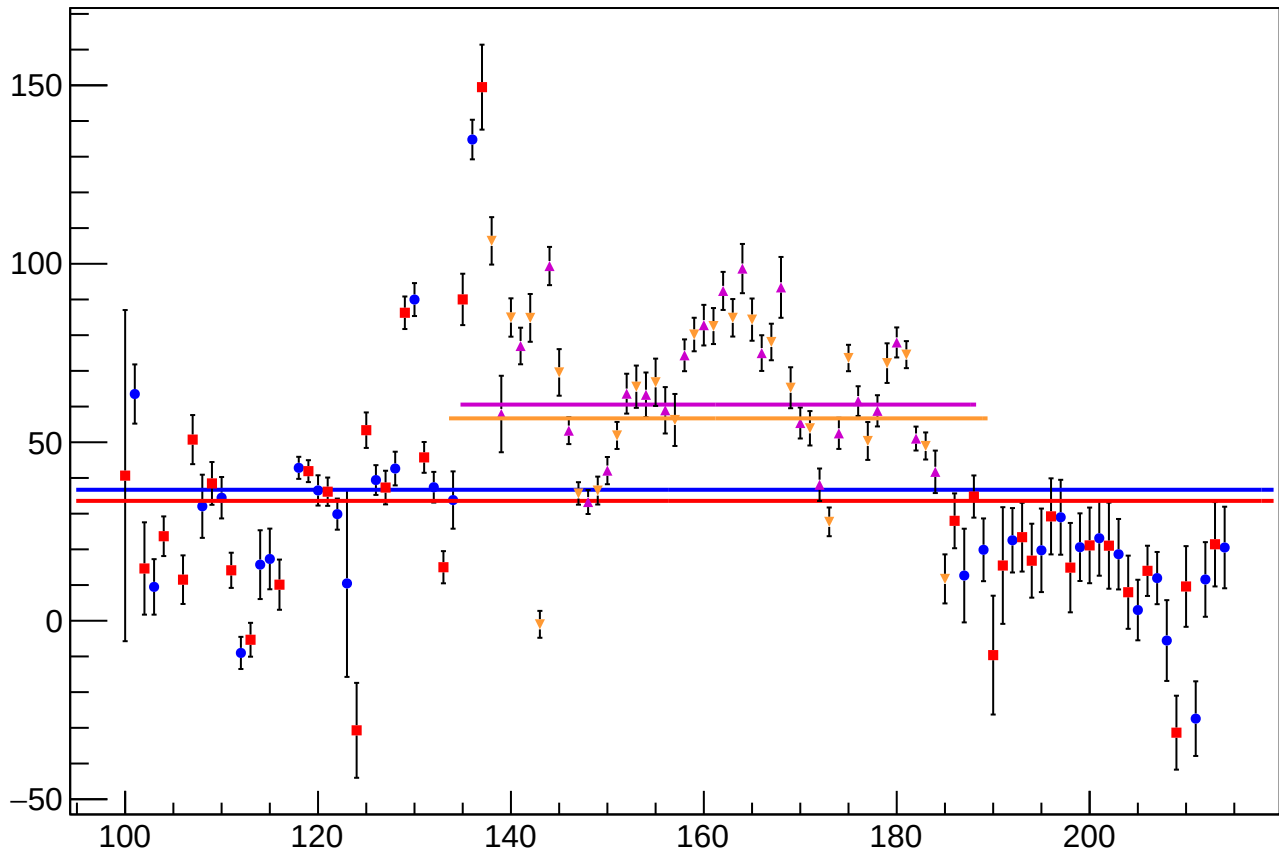
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

+ sign 186.234 $\pm$ 0.811 χ^2 /NDF: 9404.3/55

All: 192.824 $\pm$ 0.563 χ^2 /NDF: 20139.2/112

- sign 198.951 $\pm$ 0.782 χ^2 /NDF: 10607.6/56

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 36.693 ± 1.149 χ^2/NDF : 698.6/30

Left Out: 56.695 ± 0.952 χ^2/NDF : 690.4/24

Right Out: 33.580 ± 1.110 χ^2/NDF : 555.5/33

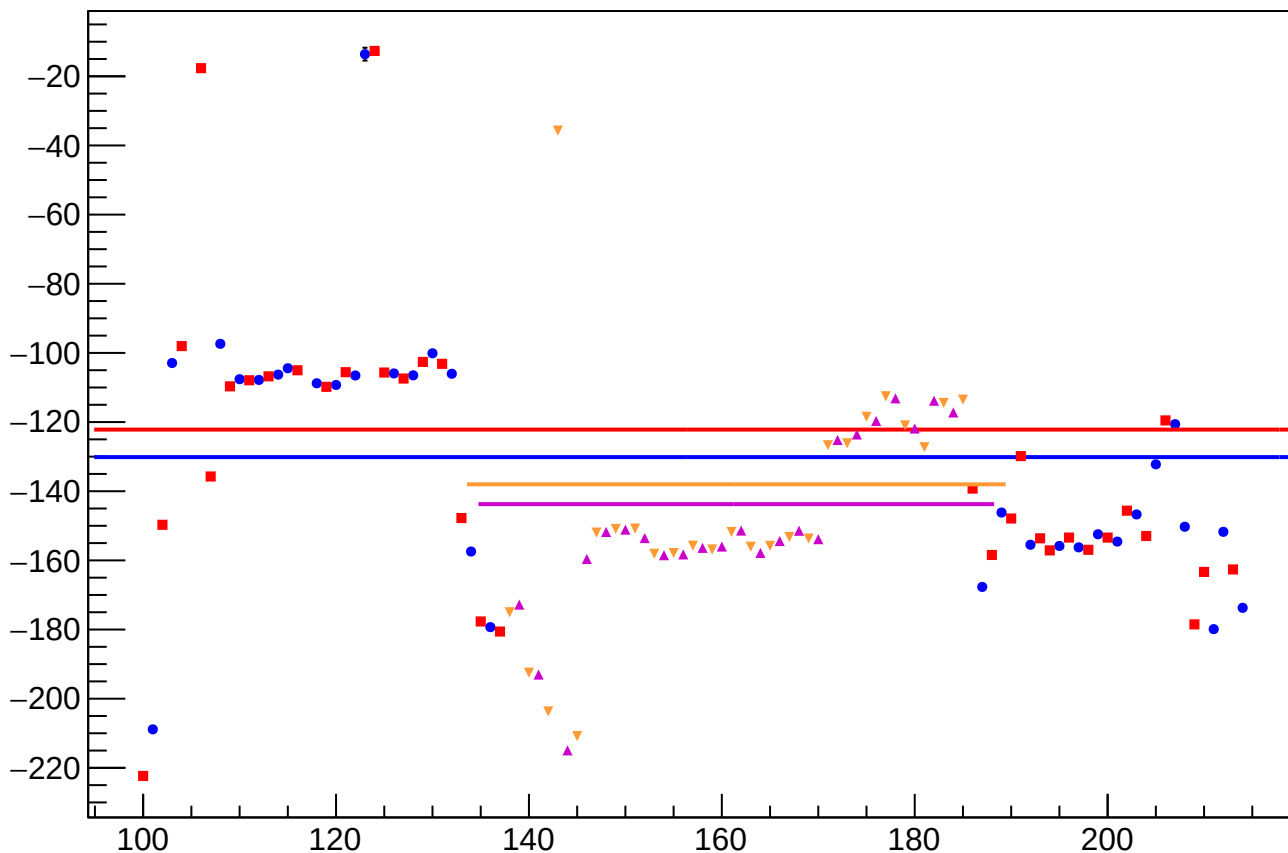
Left In: 60.555 ± 0.990 χ^2/NDF : 335.6/22

+ sign 48.553 ± 0.733 χ^2/NDF : 1568.8/55

All: 48.577 ± 0.520 χ^2/NDF : 2788.8/112

- sign 48.602 ± 0.739 χ^2/NDF : 1220.0/56

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -130.135+/-0.061 χ^2/NDF : 226306.7/30

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -122.177+/-0.058 χ^2/NDF : 480512.0/33

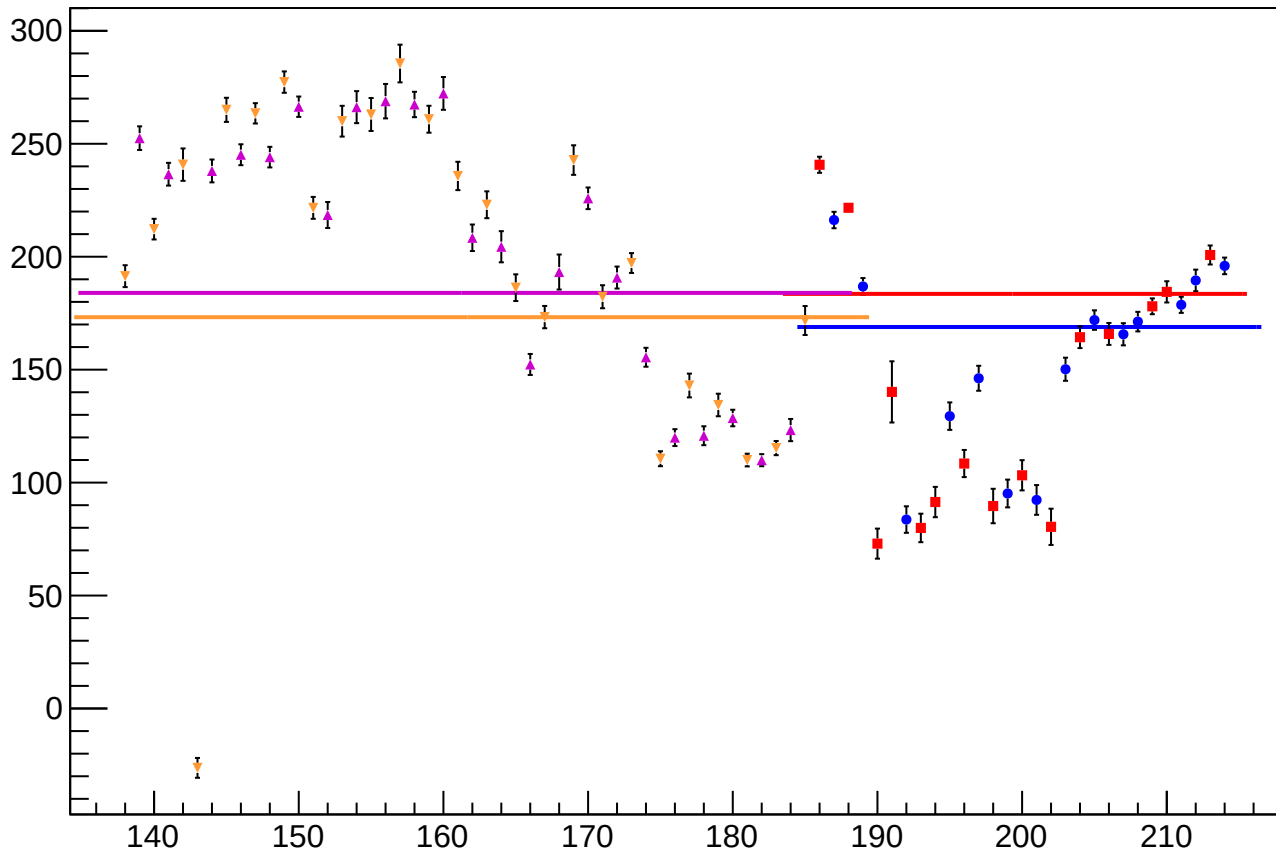
Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

+ sign -135.233+/-0.036 χ^2/NDF : 802804.5/55

All: -135.285+/-0.026 χ^2/NDF : 1626929.0/11

- sign -135.336+/-0.036 χ^2/NDF : 824120.5/56

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 168.887 ± 1.222 $\chi^2/\text{NDF}: 837.4/13$

Left Out: 173.229 ± 0.966 $\chi^2/\text{NDF}: 5846.0/24$

Right Out: 183.550 ± 1.123 $\chi^2/\text{NDF}: 2086.4/14$

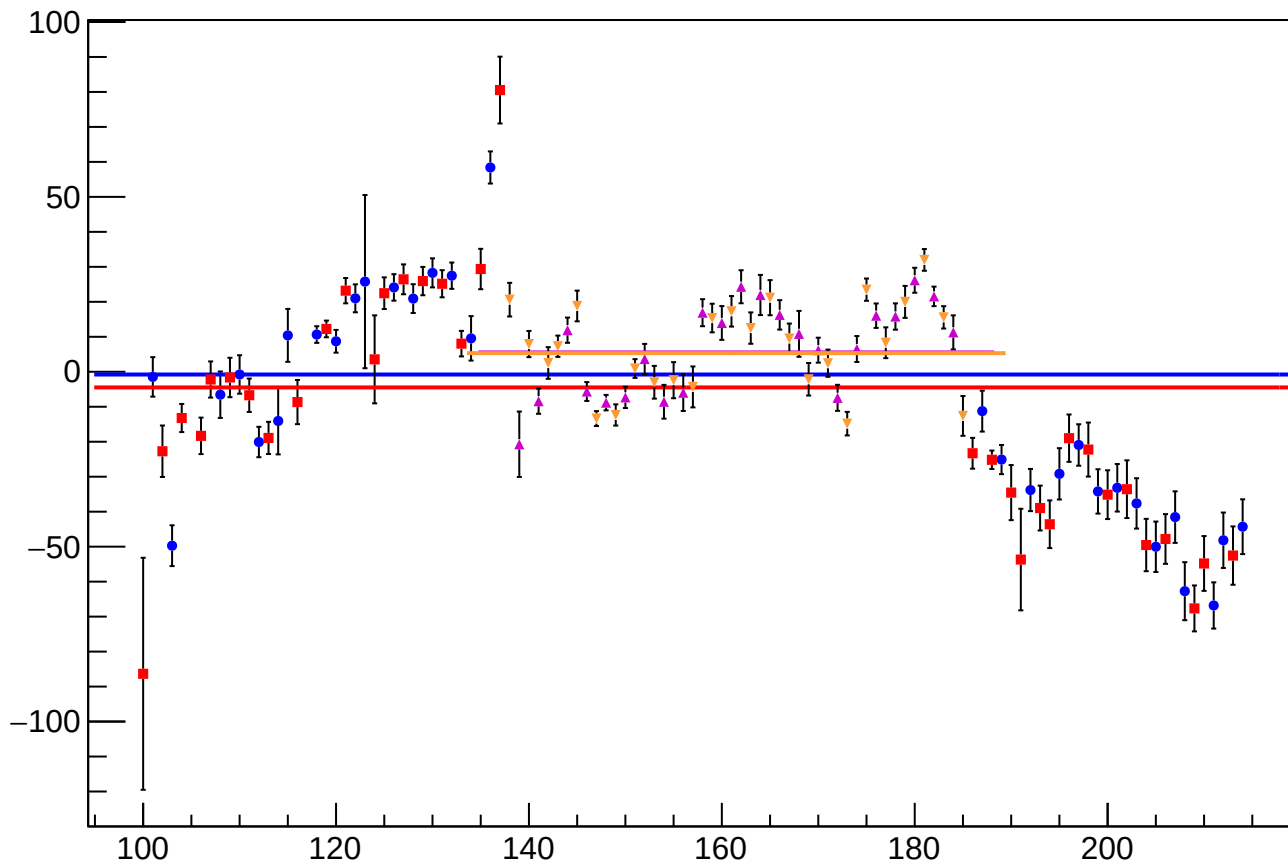
Left In: 183.984 ± 0.991 $\chi^2/\text{NDF}: 3613.7/22$

+ sign 171.560 ± 0.758 $\chi^2/\text{NDF}: 6691.2/38$

All: 177.797 ± 0.530 $\chi^2/\text{NDF}: 12524.2/76$

- sign 183.794 ± 0.743 $\chi^2/\text{NDF}: 5700.1/37$

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.783 ± 0.914 χ^2/NDF : 972.8/30

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -4.477 ± 0.865 χ^2/NDF : 920.5/33

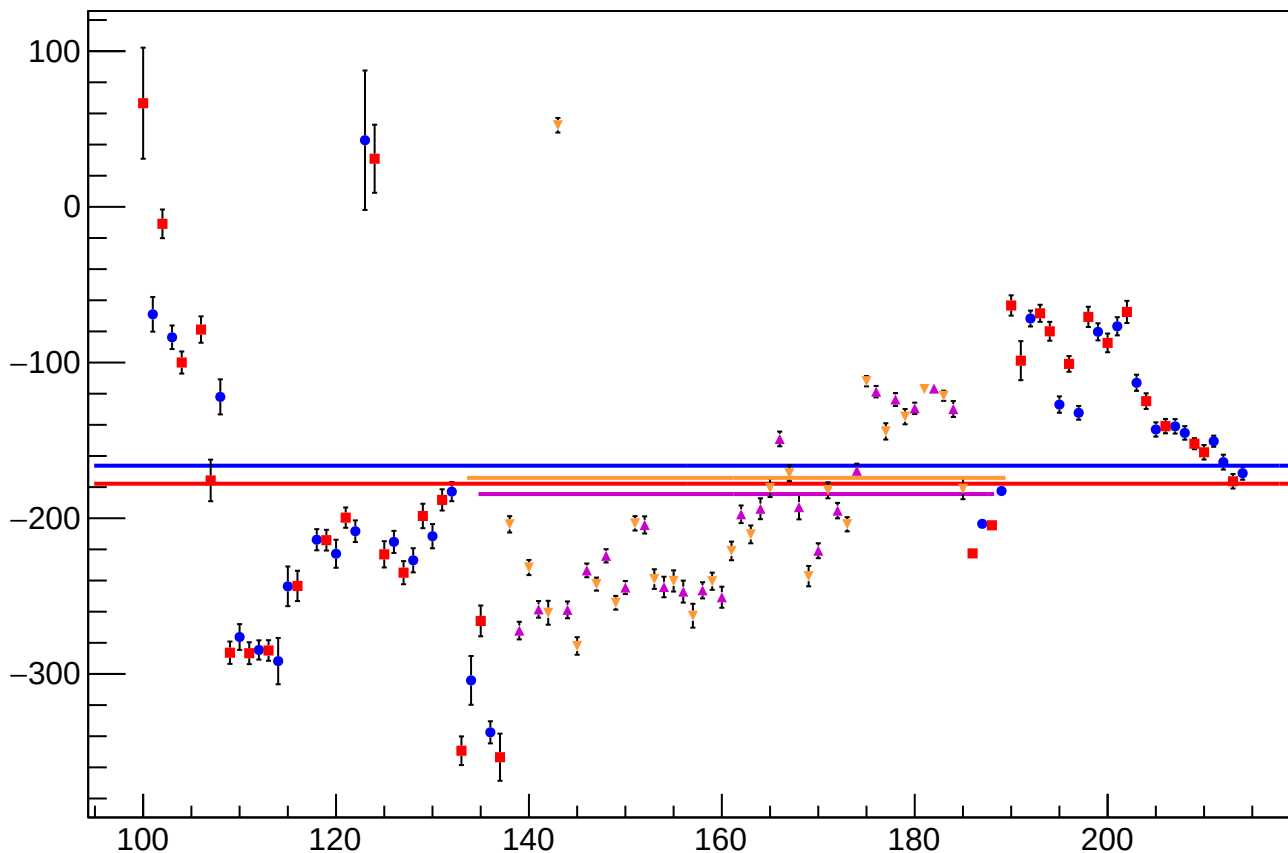
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 2.874 ± 0.578 χ^2/NDF : 1345.1/55

All: 1.957 ± 0.409 χ^2/NDF : 2600.7/112

- sign 1.036 ± 0.580 χ^2/NDF : 1250.5/56

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -166.247 ± 0.995 χ^2/NDF : 3141.6/30

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -177.817 ± 0.878 χ^2/NDF : 4983.5/33

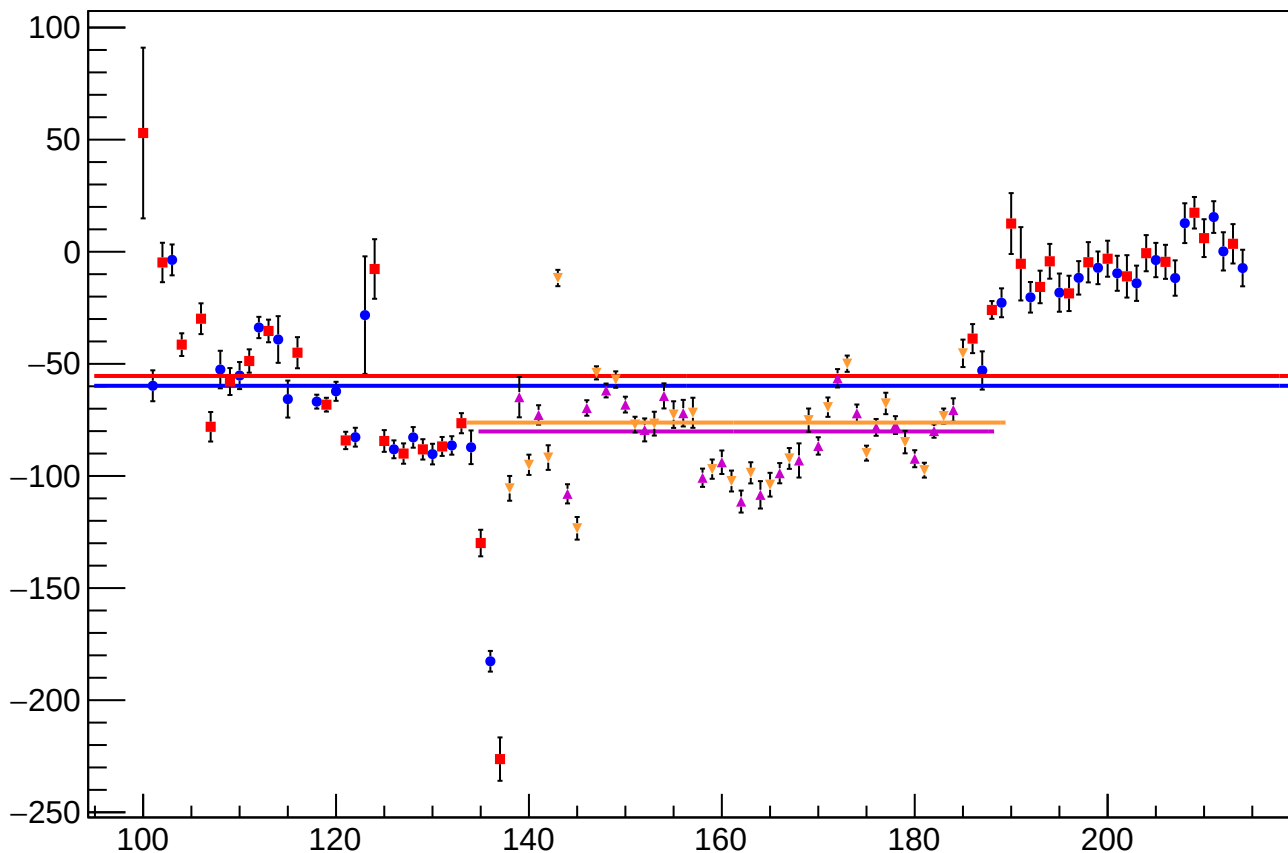
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -170.251 ± 0.695 χ^2/NDF : 8616.5/55

All: -175.788 ± 0.477 χ^2/NDF : 16797.0/112

- sign -180.739 ± 0.657 χ^2/NDF : 8060.2/56

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -59.784 ± 1.061 χ^2/NDF : 1644.6/30

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -55.402 ± 1.025 χ^2/NDF : 1457.9/33

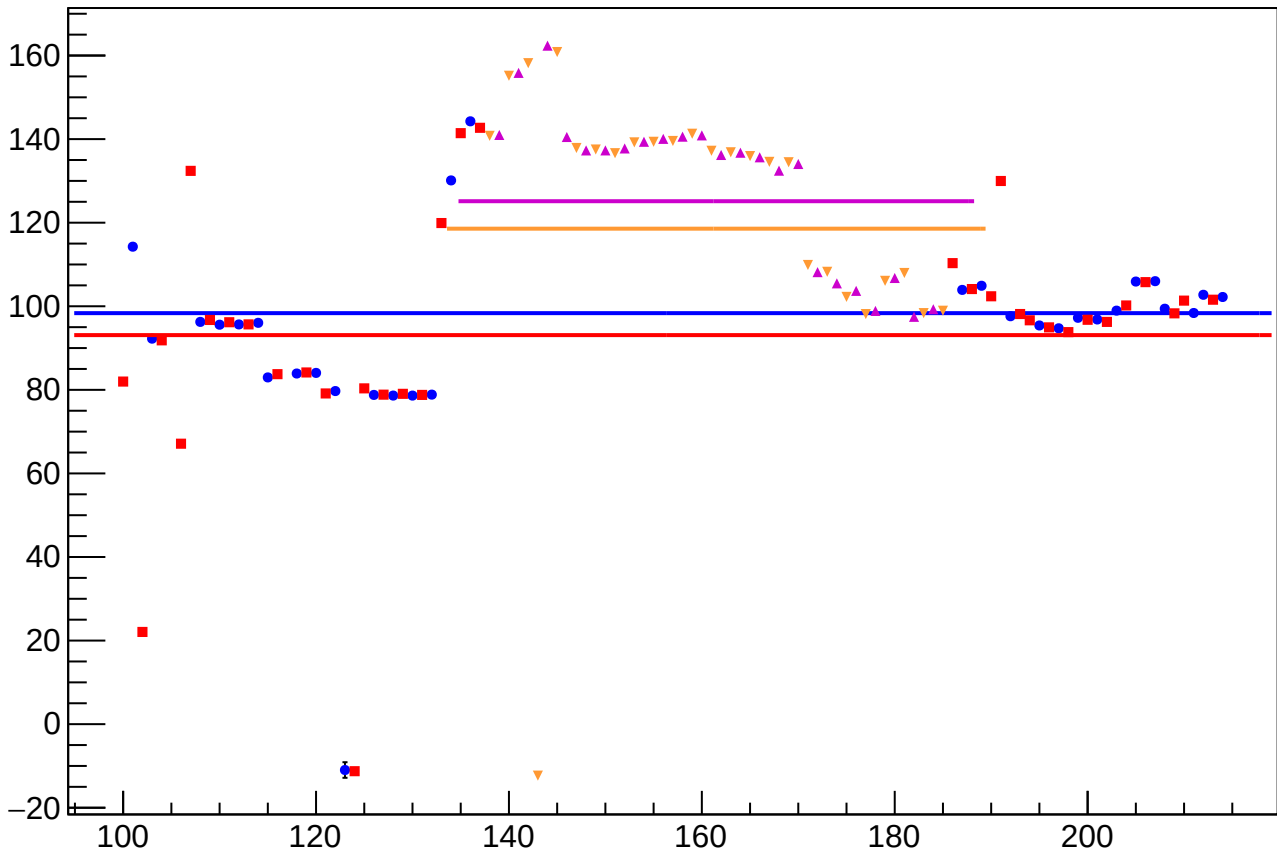
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -69.705 ± 0.667 χ^2/NDF : 2590.1/55

All: -69.614 ± 0.473 χ^2/NDF : 4664.1/112

- sign -69.521 ± 0.672 χ^2/NDF : 2073.9/56

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.354+/-0.053 χ^2/NDF : 96302.4/30

Left Out: 118.569+/-0.040 χ^2/NDF : 728689.7/24

Right Out: 93.098+/-0.050 χ^2/NDF : 244294.1/33

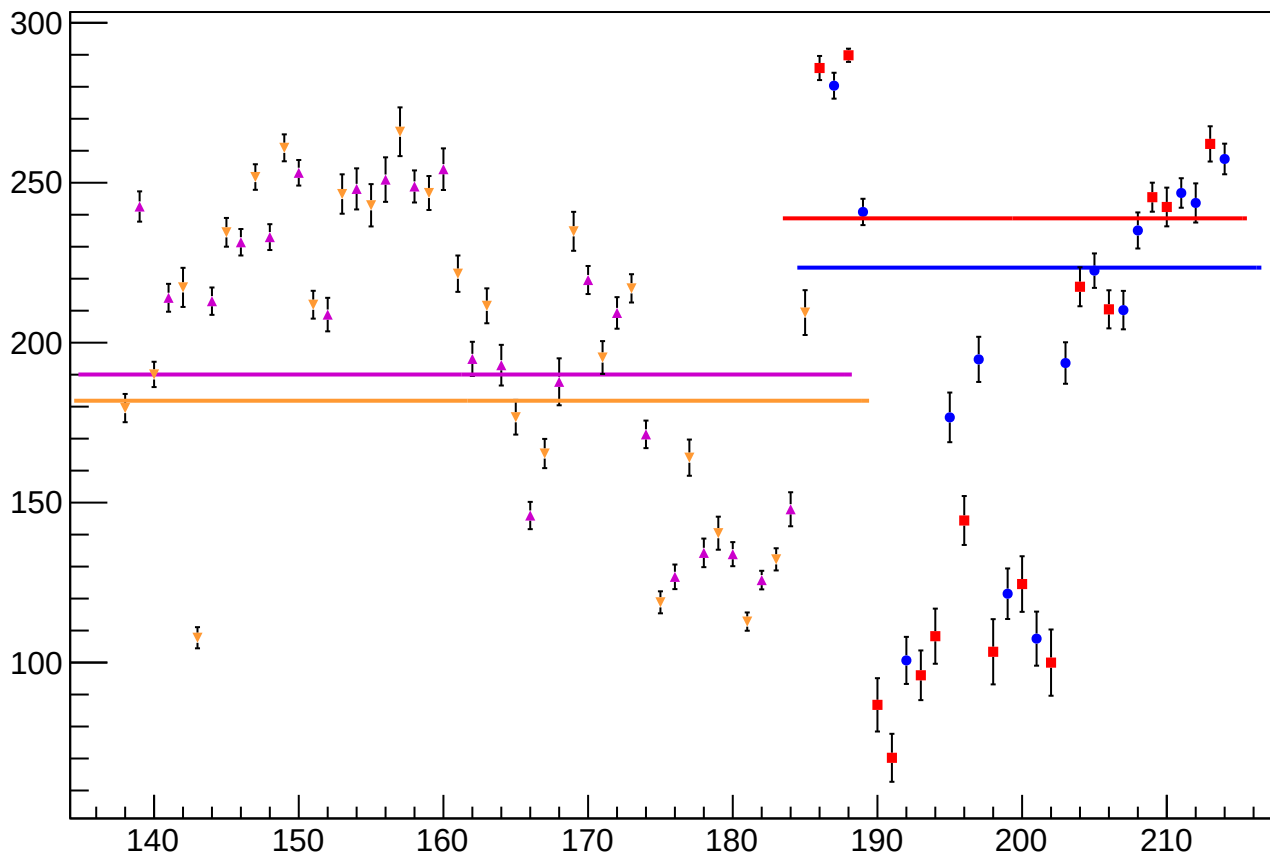
Left In: 125.139+/-0.041 χ^2/NDF : 220927.1/22

+ sign 111.167+/-0.032 χ^2/NDF : 916246.5/55

All: 111.700+/-0.023 χ^2/NDF : 1624874.5/112

- sign 112.221+/-0.032 χ^2/NDF : 708087.9/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 223.459 $\pm$ 1.508 χ^2 /NDF: 1018.6/13

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF:3303.4/24

Right Out: 238.867 $\pm$ 1.313 χ^2 /NDF: 2907.2/14

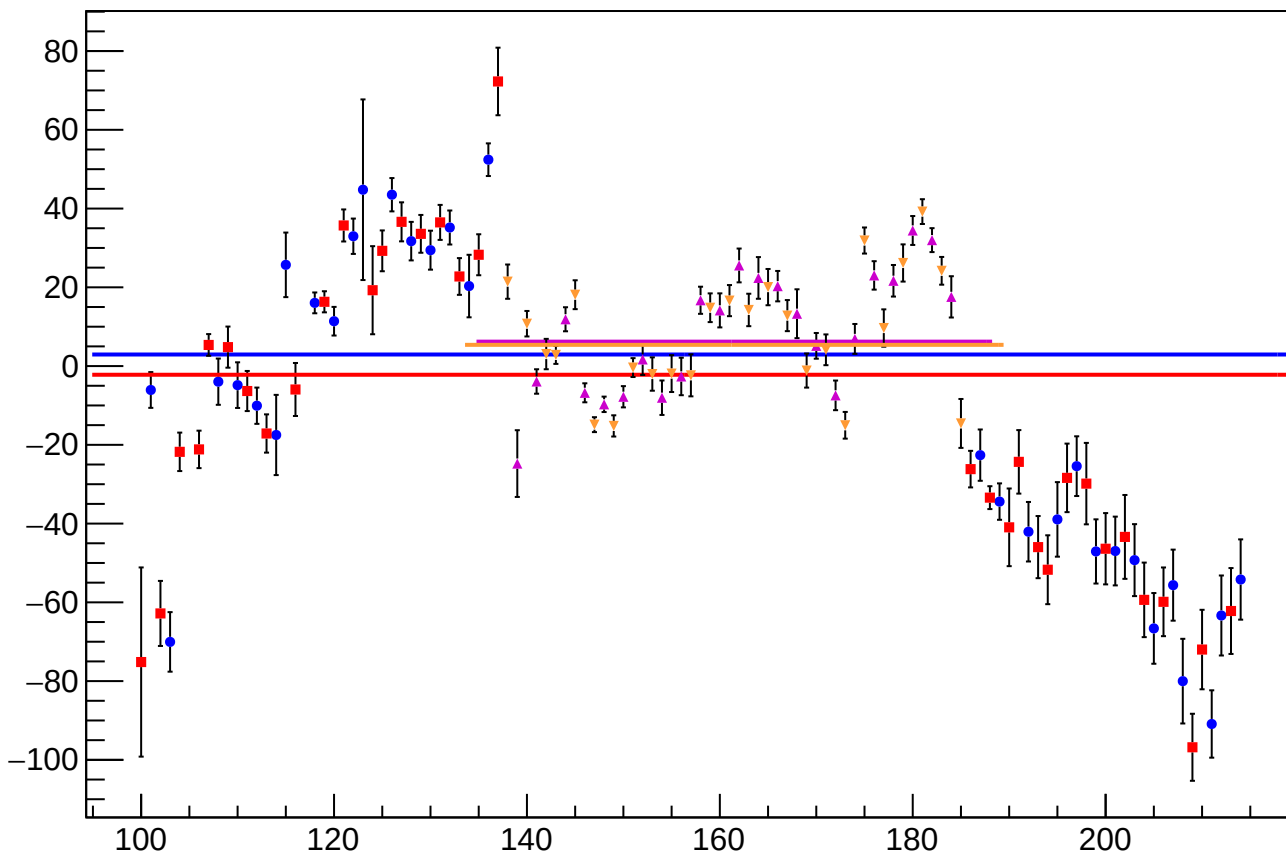
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

+ sign 193.022 $\pm$ 0.781 χ^2 /NDF: 4879.2/38

All: 200.040 $\pm$ 0.549 χ^2 /NDF: 11289.3/76

- sign 206.881 $\pm$ 0.771 χ^2 /NDF: 6250.7/37

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.939 ± 1.023 $\chi^2/\text{NDF}: 1164.9/30$

Left Out: 5.394 ± 0.688 $\chi^2/\text{NDF}: 526.5/24$

Right Out: -2.203 ± 0.925 $\chi^2/\text{NDF}: 1185.7/33$

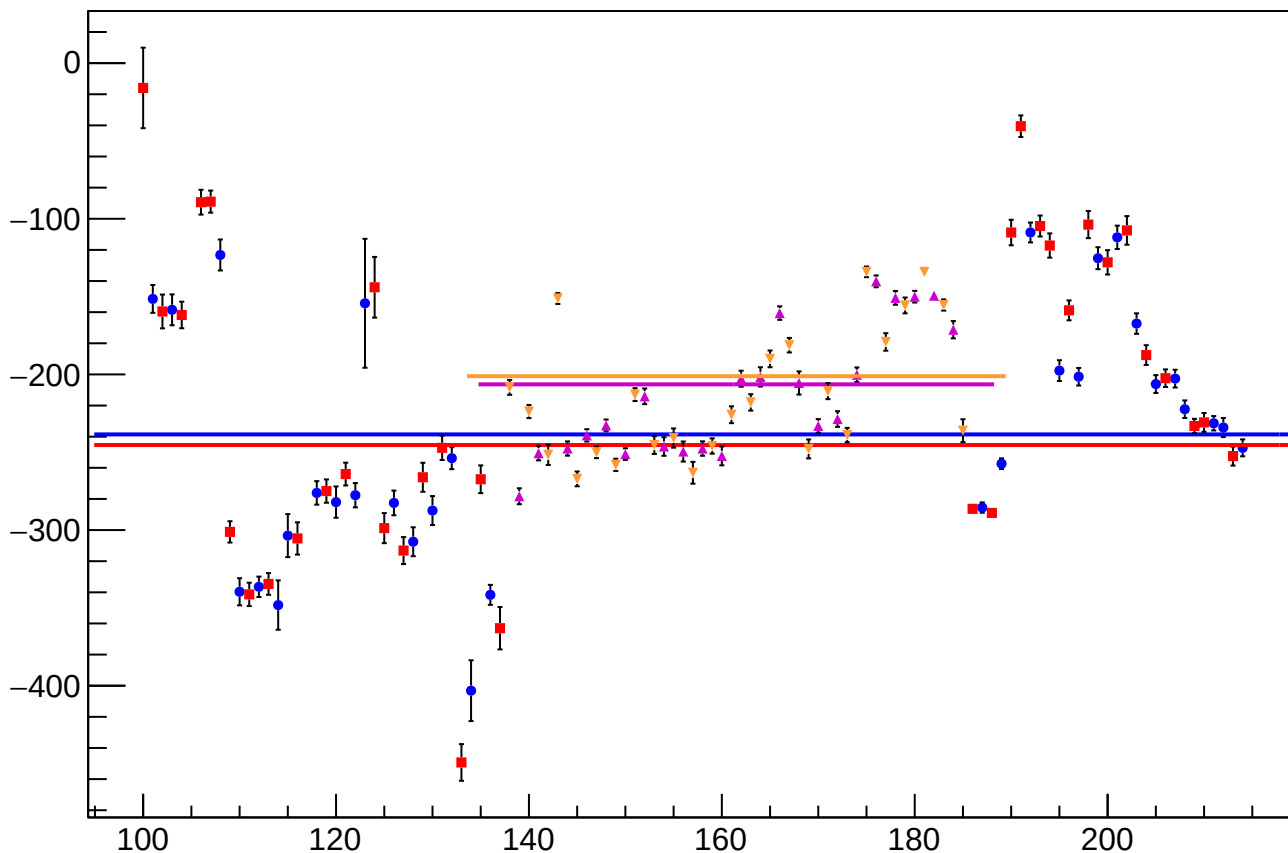
Left In: 6.206 ± 0.732 $\chi^2/\text{NDF}: 407.5/22$

+ sign 4.629 ± 0.571 $\chi^2/\text{NDF}: 1695.4/55$

All: 3.803 ± 0.405 $\chi^2/\text{NDF}: 3343.7/112$

- sign 2.969 ± 0.574 $\chi^2/\text{NDF}: 1644.0/56$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -238.543+/-1.176 χ^2 /NDF: 2706.1/30

Left Out: -201.144+/-0.918 χ^2 /NDF:2488.8/24

Right Out: -245.368+/-0.992 χ^2 /NDF: 5836.7/33

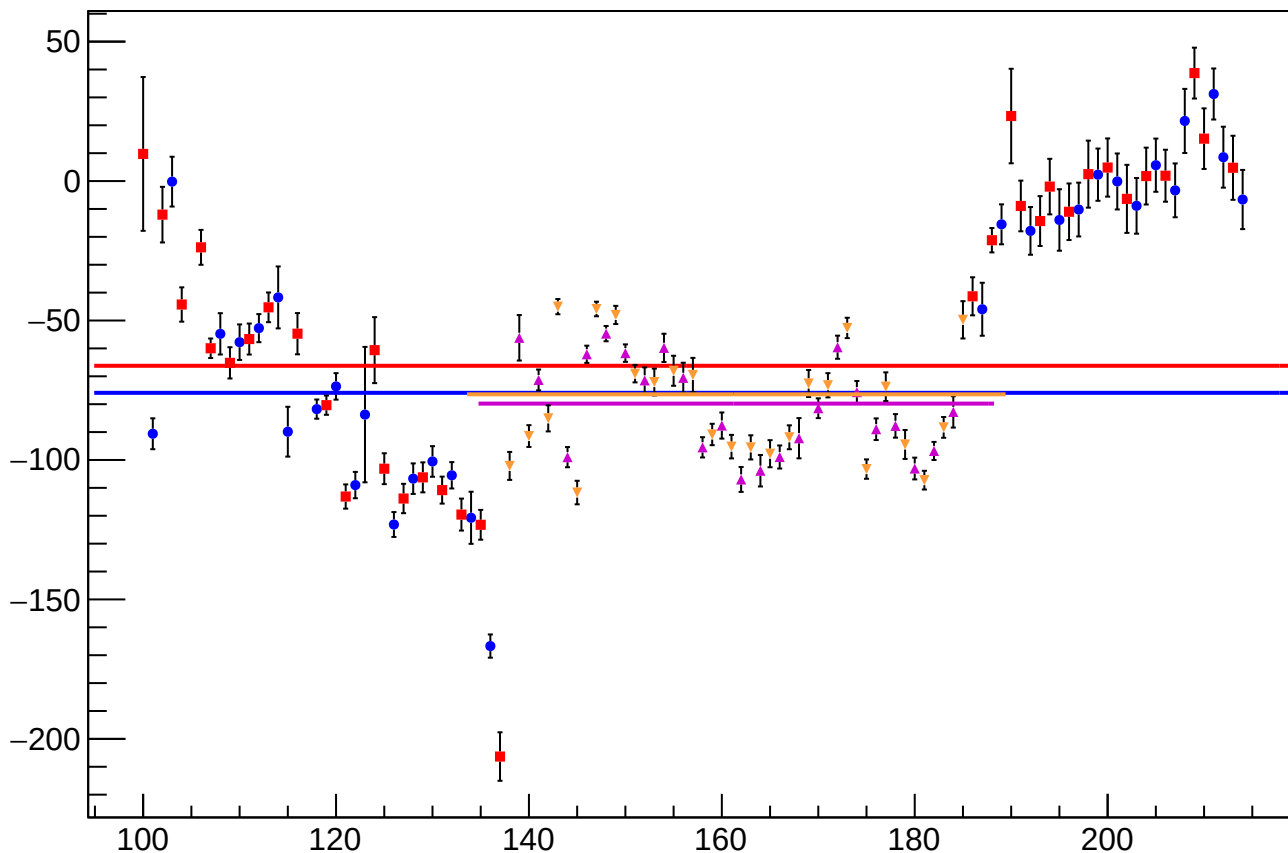
Left In: -206.379+/-0.950 χ^2 /NDF:2111.6/22

+ sign -215.307+/-0.723 χ^2 /NDF: 5823.7/55

All: -220.417+/-0.498 χ^2 /NDF: 14672.4/112

- sign -225.013+/-0.686 χ^2 /NDF: 8754.0/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -75.926 ± 1.189 χ^2/NDF : 1700.1/30

Left Out: -76.460 ± 0.797 χ^2/NDF : 781.3/24

Right Out: -66.230 ± 1.101 χ^2/NDF : 1700.4/33

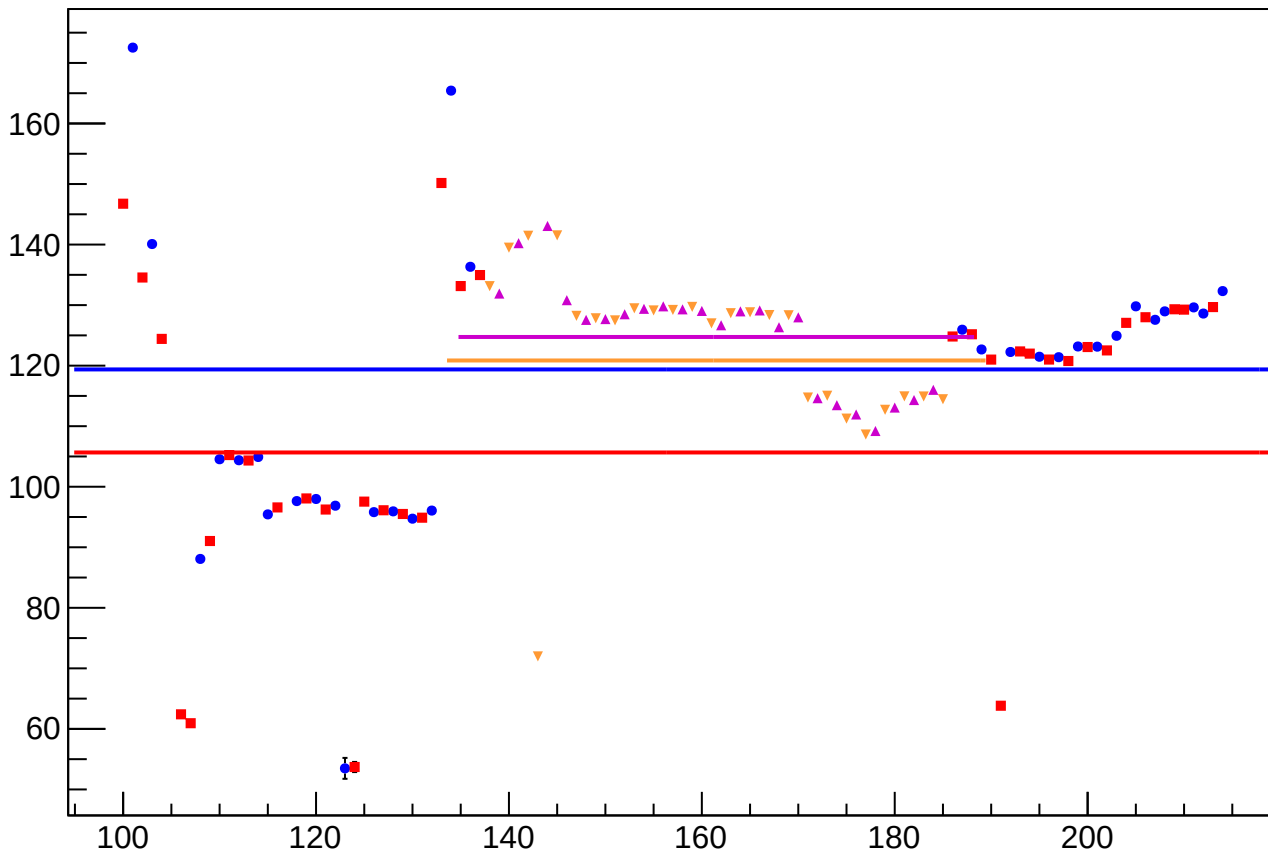
Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

+ sign -76.294 ± 0.662 χ^2/NDF : 2481.6/55

All: -75.556 ± 0.470 χ^2/NDF : 4692.7/112

- sign -74.804 ± 0.668 χ^2/NDF : 2208.6/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.376 $\pm$ 0.061 χ^2 /NDF: 111416.7/30

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF: 182759.1/24

Right Out: 105.660 $\pm$ 0.054 χ^2 /NDF: 250047.7/33

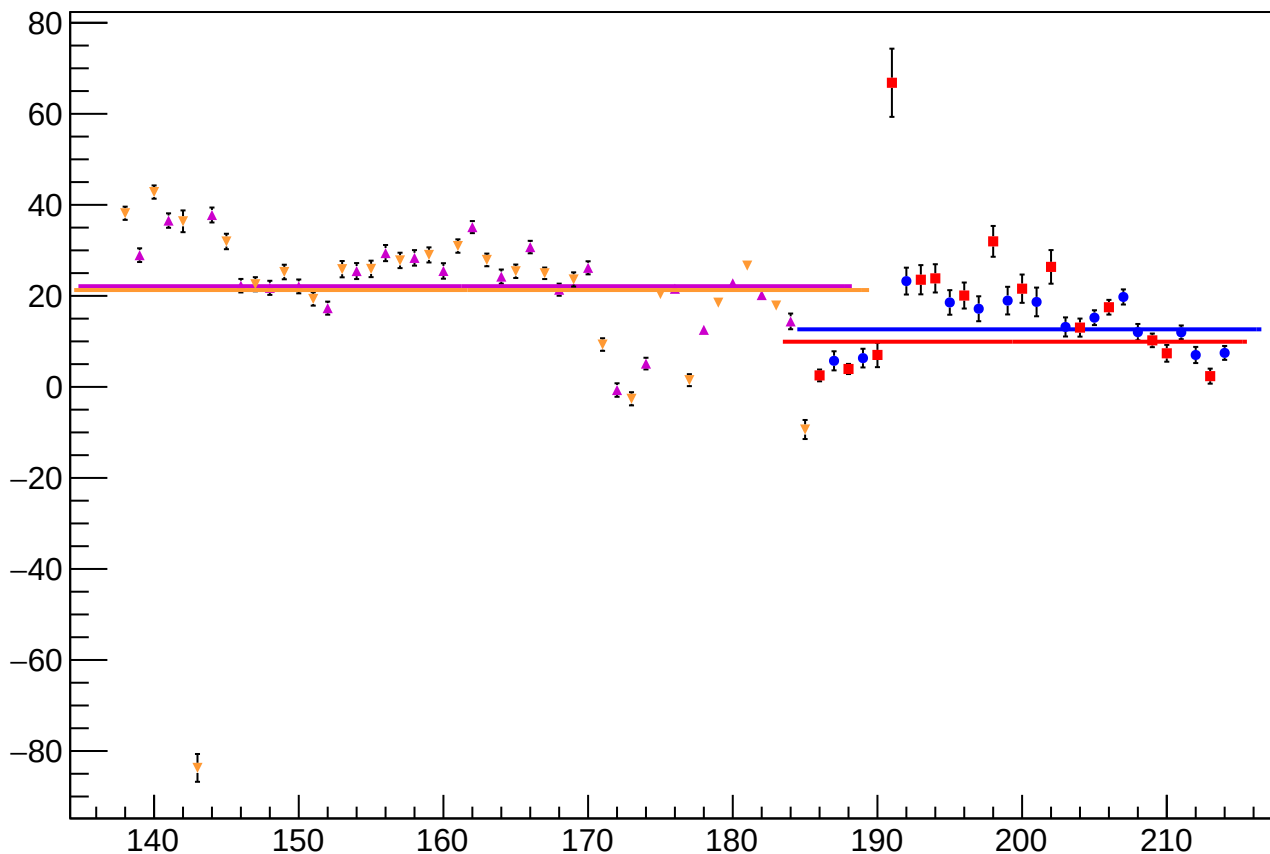
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 120.442 $\pm$ 0.032 χ^2 /NDF: 294598.3/55

All: 119.277 $\pm$ 0.023 χ^2 /NDF: 680067.5/112

- sign 118.152 $\pm$ 0.032 χ^2 /NDF: 382913.5/56

reg_asym_atl_dd_atr_dd_diff_bpm1X_slope vs Slug



Right In: 12.649 ± 0.533 $\chi^2/\text{NDF}: 91.5/13$

Left Out: 21.282 ± 0.282 $\chi^2/\text{NDF}: 2600.5/24$

Right Out: 9.929 ± 0.507 $\chi^2/\text{NDF}: 294.7/14$

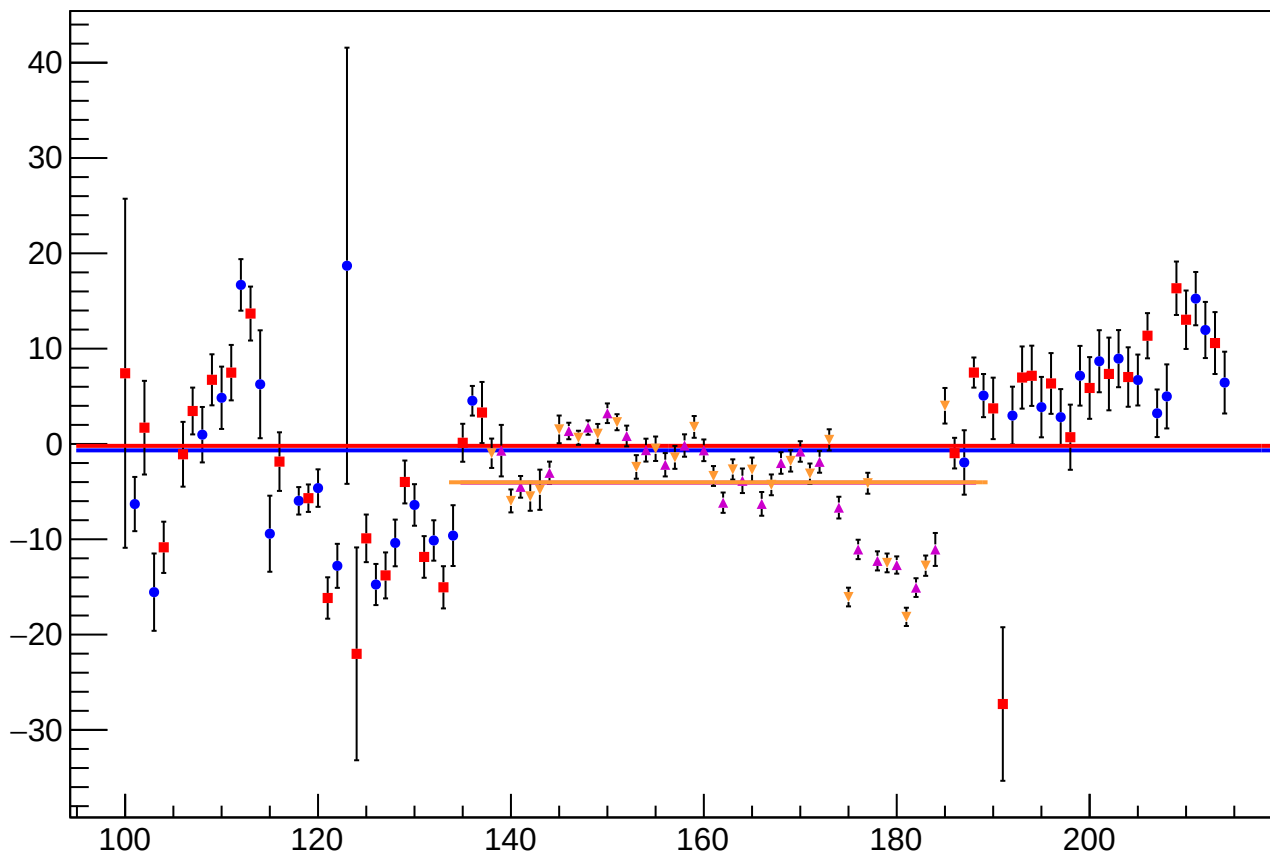
Left In: 22.127 ± 0.285 $\chi^2/\text{NDF}: 900.2/22$

+ sign 19.389 ± 0.250 $\chi^2/\text{NDF}: 2896.9/38$

All: 19.290 ± 0.176 $\chi^2/\text{NDF}: 4531.5/76$

- sign 19.191 ± 0.249 $\chi^2/\text{NDF}: 1634.3/37$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.673 ± 0.470 χ^2/NDF : 322.8/30

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: -0.199 ± 0.449 χ^2/NDF : 405.1/33

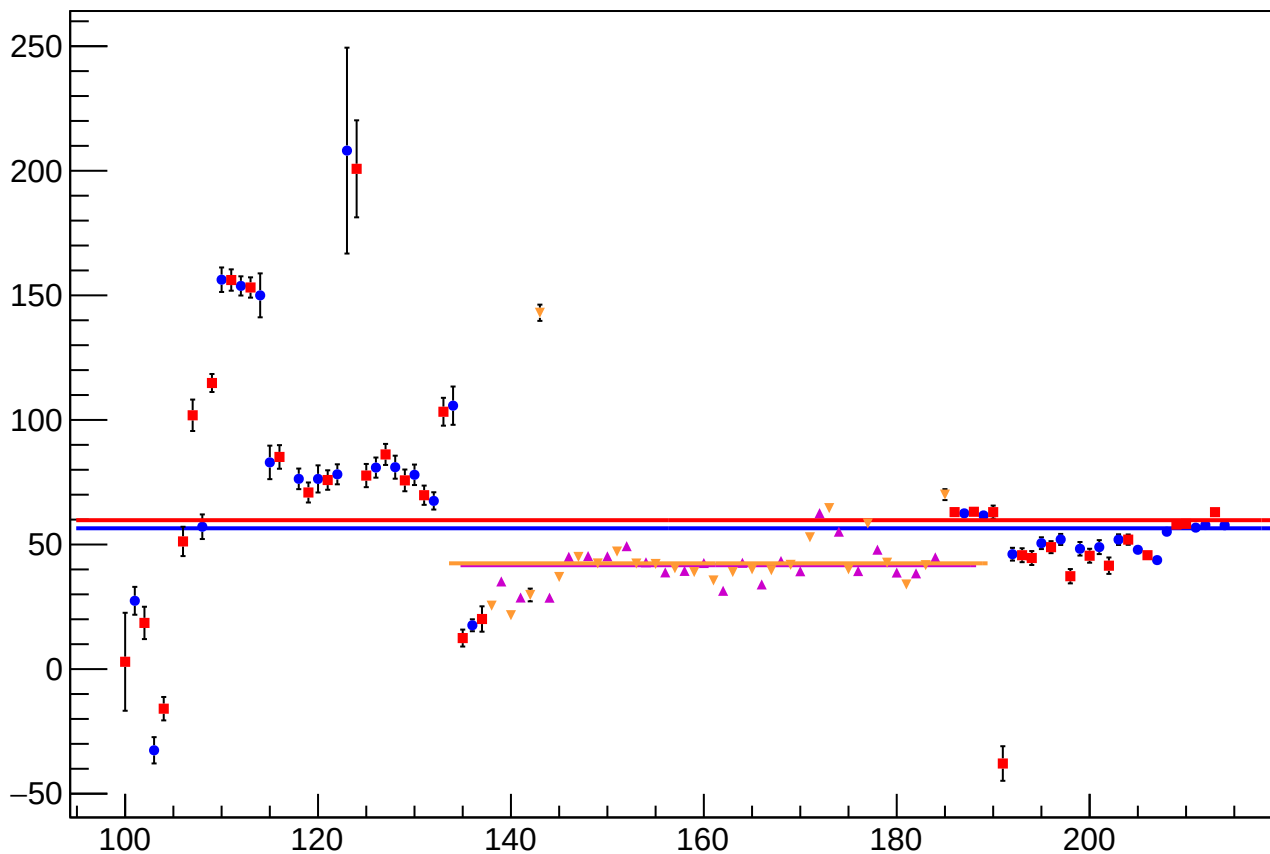
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.406 ± 0.202 χ^2/NDF : 1098.3/55

All: -3.337 ± 0.143 χ^2/NDF : 2139.7/112

- sign -3.266 ± 0.203 χ^2/NDF : 1041.2/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 56.515 $\pm$ 0.463 χ^2 /NDF: 2135.6/30

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 59.767 $\pm$ 0.420 χ^2 /NDF: 2632.8/33

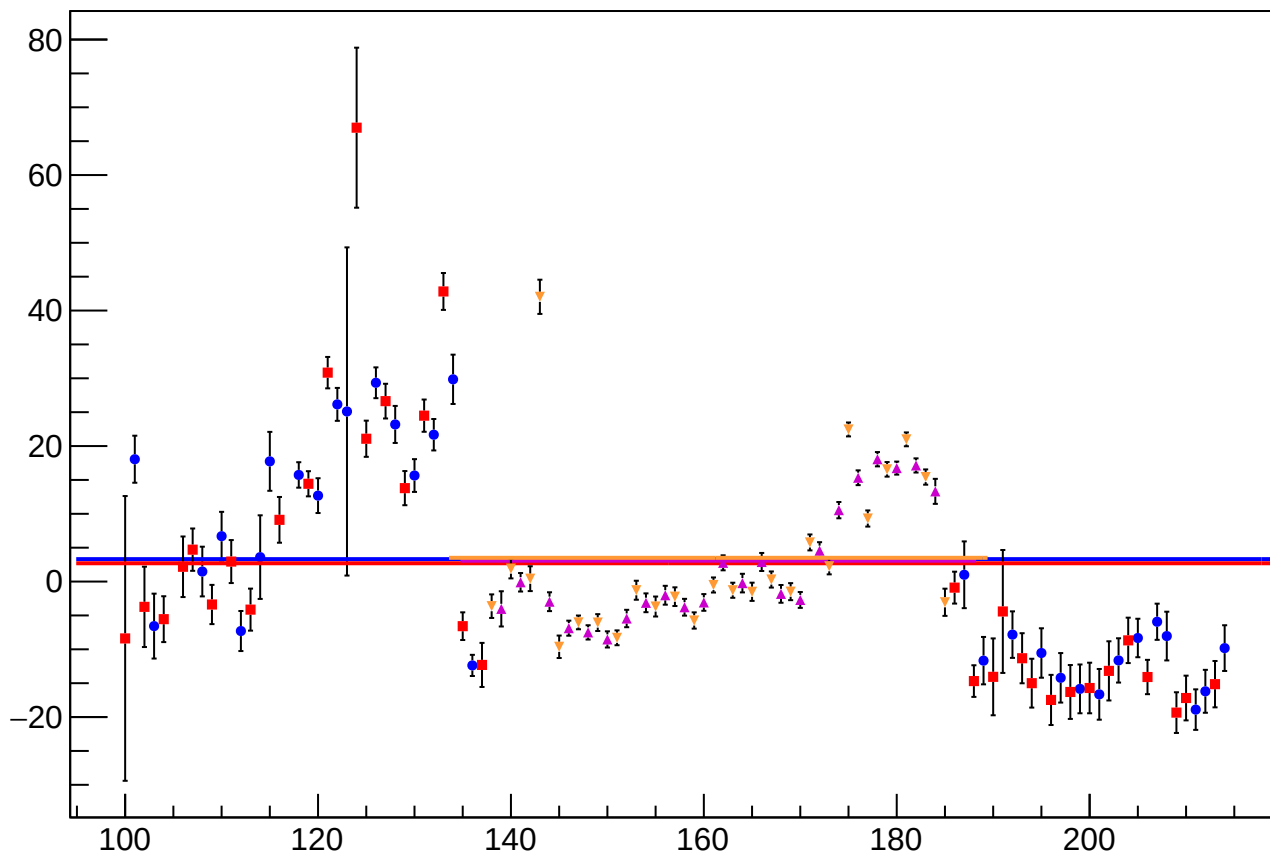
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 46.256 $\pm$ 0.241 χ^2 /NDF: 4824.7/55

All: 46.822 $\pm$ 0.168 χ^2 /NDF: 9367.2/112

- sign 47.362 $\pm$ 0.235 χ^2 /NDF: 4531.8/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 3.310 ± 0.535 χ^2/NDF : 911.4/30

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 2.701 ± 0.526 χ^2/NDF : 1103.2/33

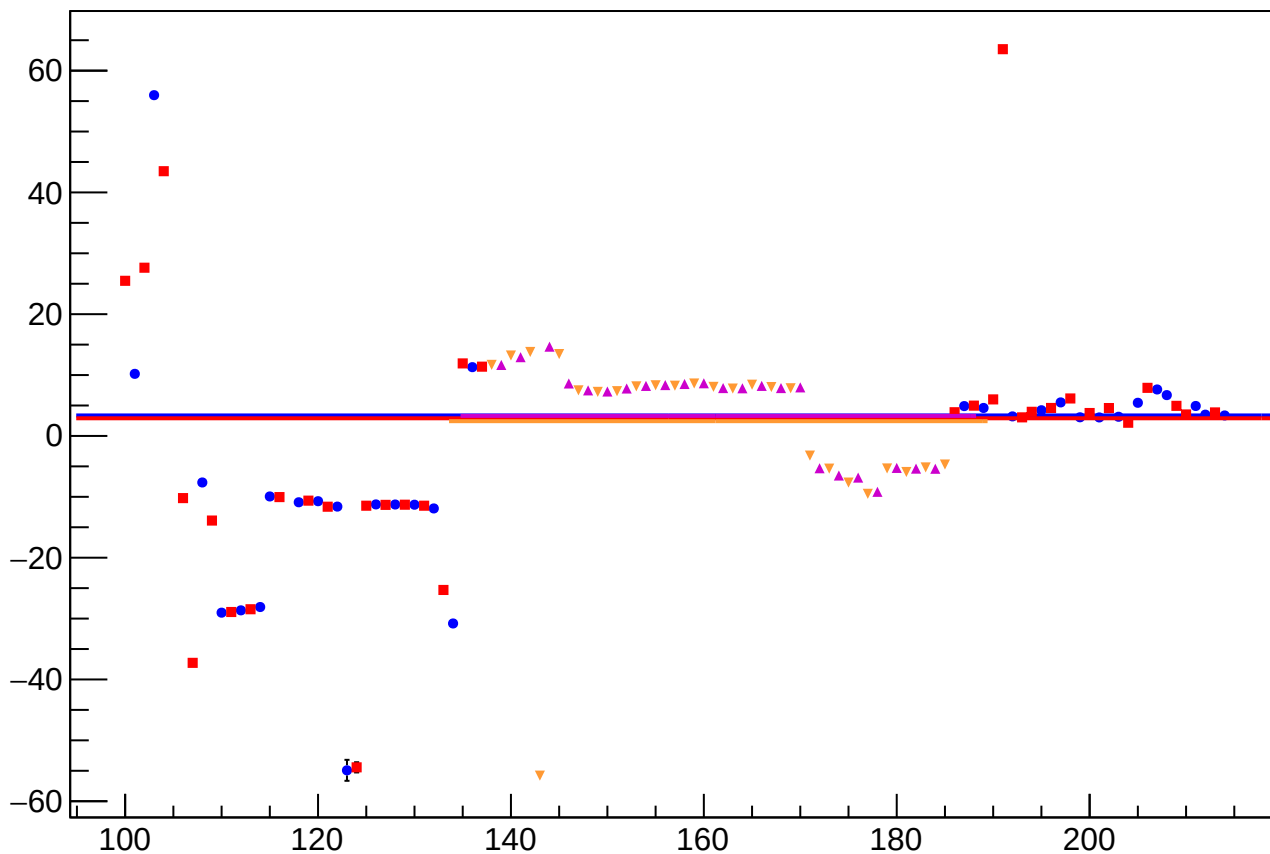
Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

+ sign 3.470 ± 0.228 χ^2/NDF : 2602.8/55

All: 3.242 ± 0.162 χ^2/NDF : 4974.2/112

- sign 3.008 ± 0.231 χ^2/NDF : 2369.3/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 3.367 $\pm$ 0.025 χ^2 /NDF: 362398.1/30

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 2.899 $\pm$ 0.025 χ^2 /NDF: 434531.1/33

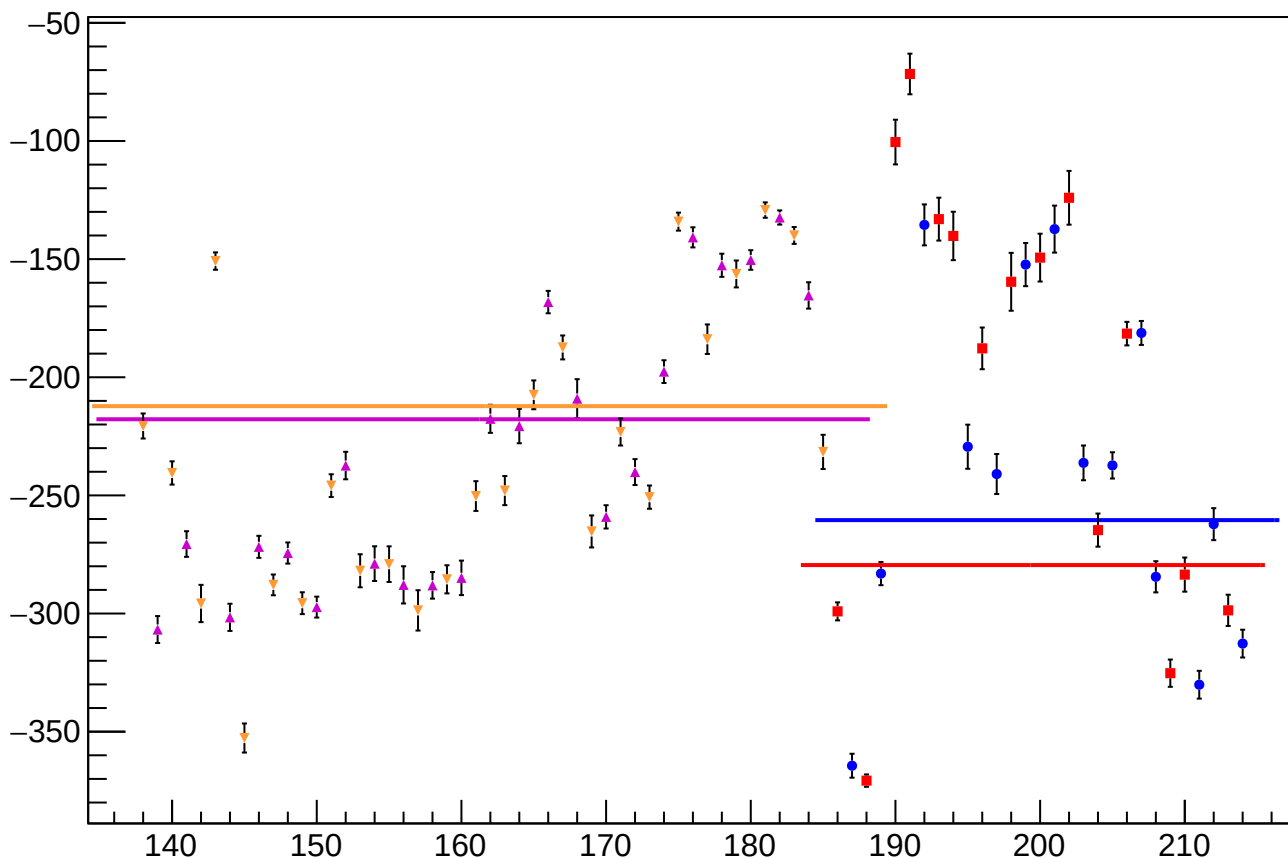
Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

+ sign 2.591 $\pm$ 0.010 χ^2 /NDF: 979946.1/55

All: 2.904 $\pm$ 0.007 χ^2 /NDF: 1820803.0/112

- sign 3.221 $\pm$ 0.011 χ^2 /NDF: 839062.1/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -260.467 ± 1.731 χ^2/NDF : 1464.9/13

Left Out: -212.231 ± 1.029 χ^2/NDF : 3875.4/24

Right Out: -279.490 ± 1.522 χ^2/NDF : 3652.1/14

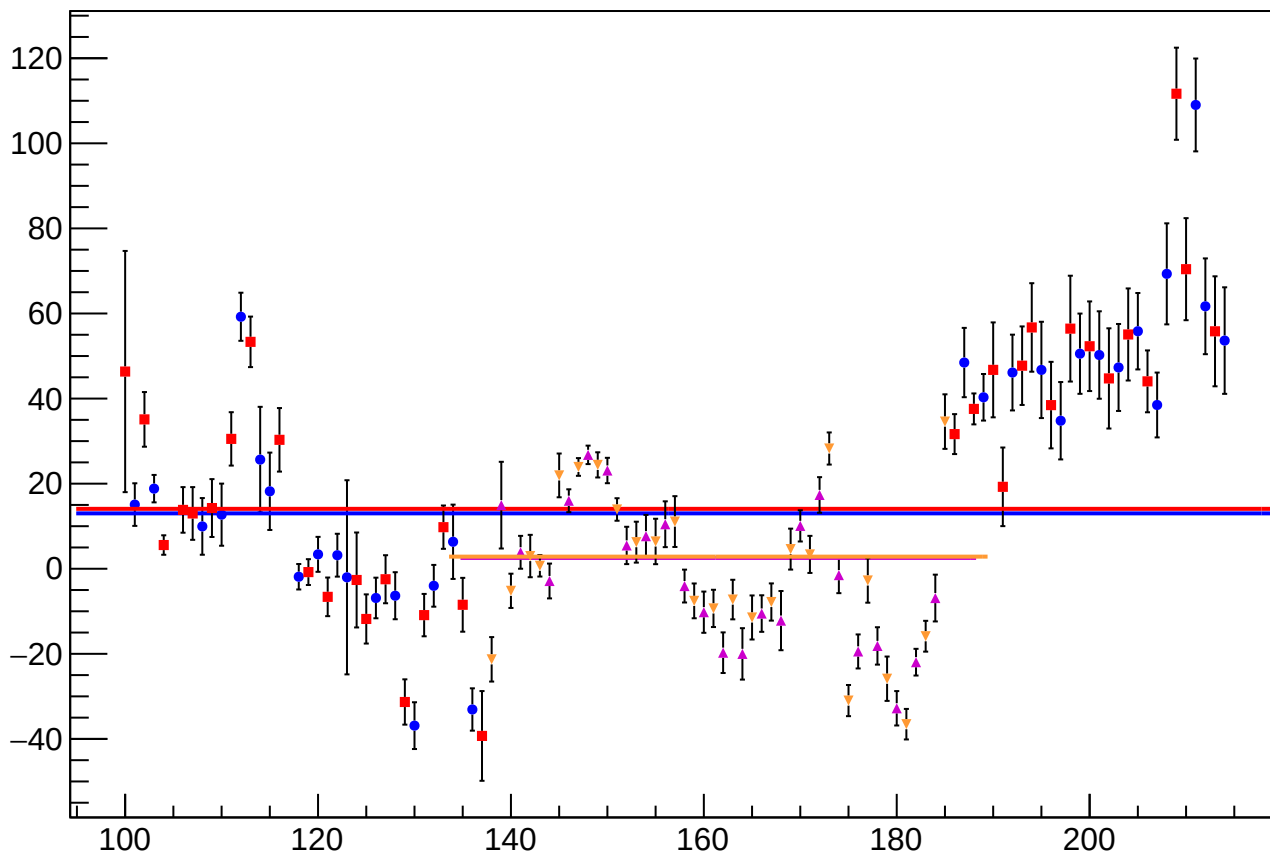
Left In: -217.779 ± 1.067 χ^2/NDF : 3448.9/22

+ sign -224.834 ± 0.885 χ^2/NDF : 5913.9/38

All: -231.552 ± 0.622 χ^2/NDF : 14230.9/76

- sign -238.103 ± 0.874 χ^2/NDF : 8203.1/37

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 13.019+/-1.108 χ^2/NDF : 592.2/30

Left Out: 2.848+/-0.775 χ^2/NDF : 582.1/24

Right Out: 14.081+/-1.006 χ^2/NDF : 570.8/33

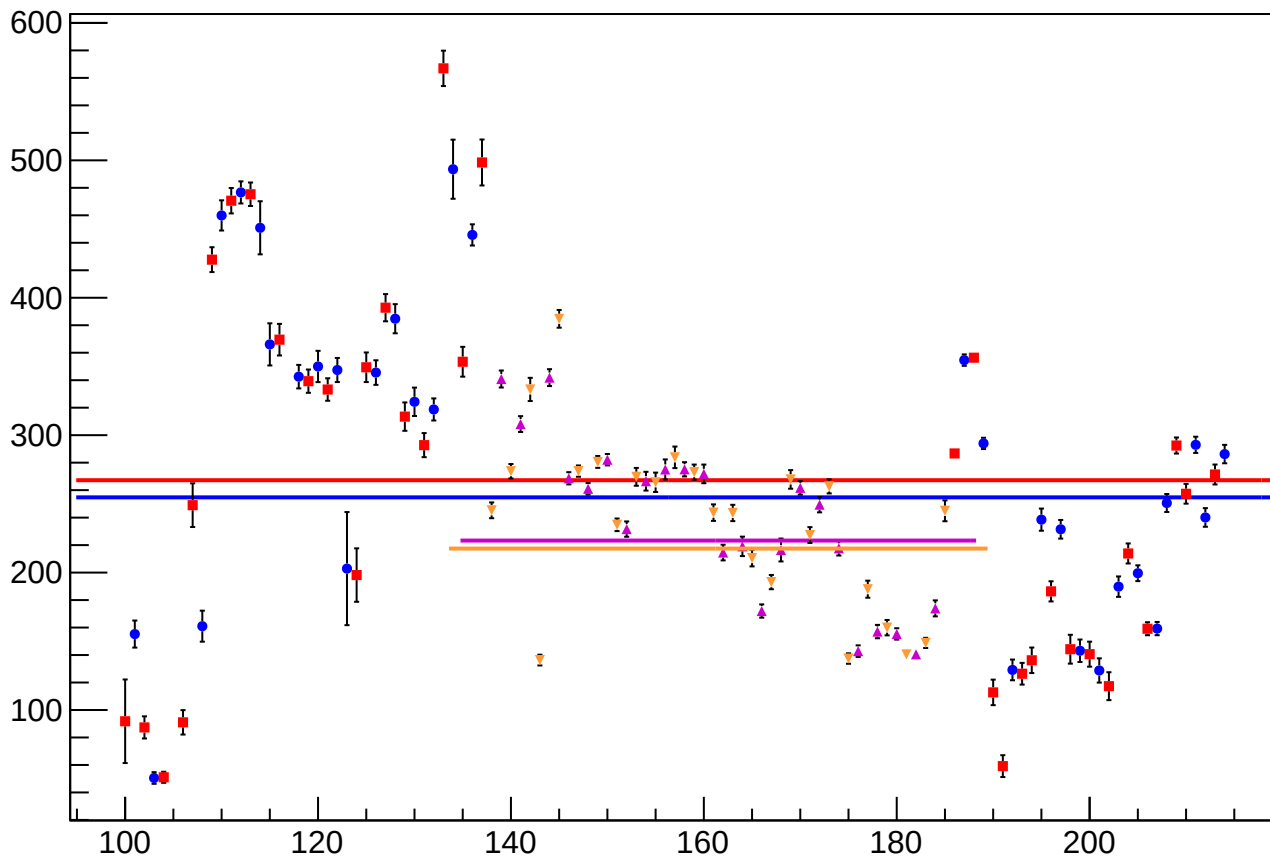
Left In: 2.540+/-0.822 χ^2/NDF : 473.6/22

+ sign 6.188+/-0.635 χ^2/NDF : 1231.0/55

All: 6.674+/-0.450 χ^2/NDF : 2355.4/112

- sign 7.164+/-0.637 χ^2/NDF : 1123.3/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 254.745 $\pm$ 1.299 χ^2 /NDF: 7140.8/30

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 267.219 $\pm$ 1.117 χ^2 /NDF: 11052.1/33

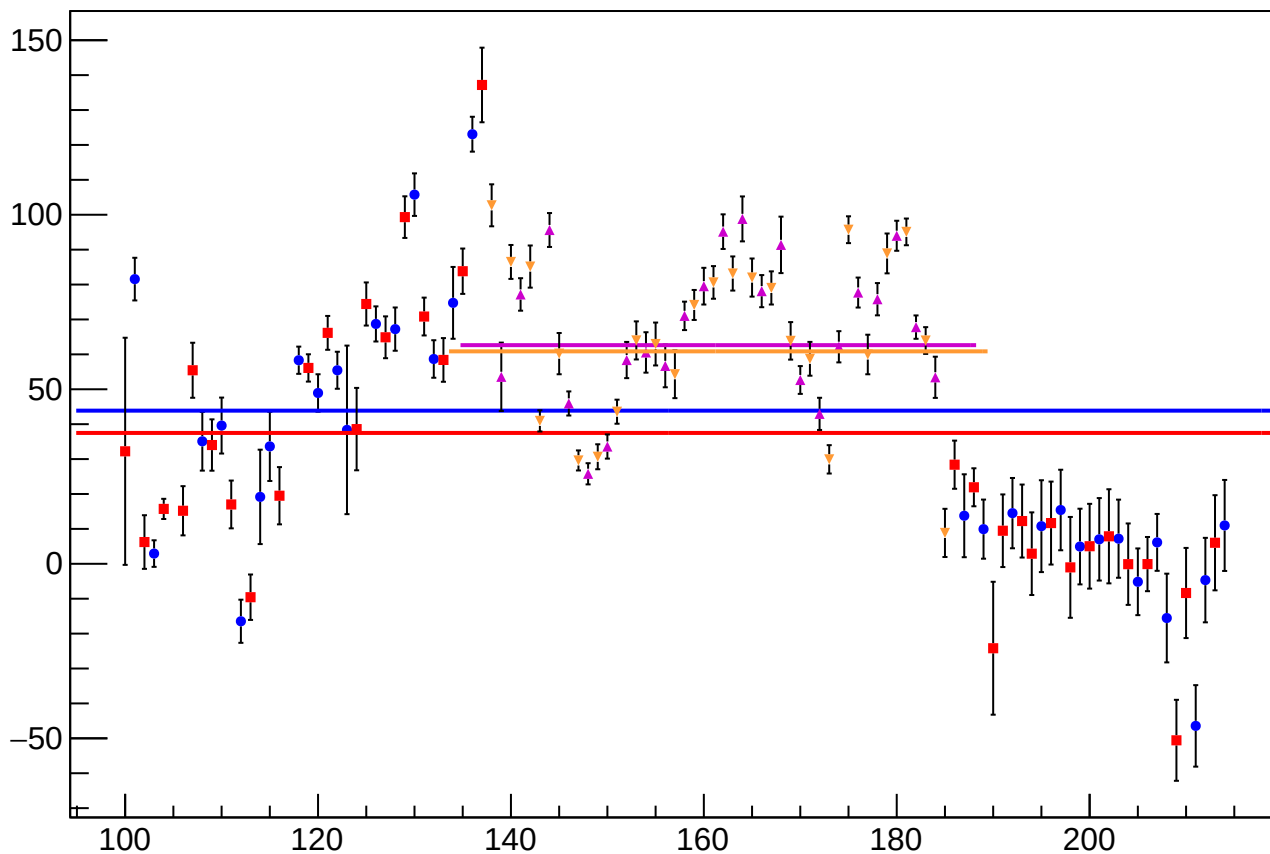
Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

+ sign 231.902 $\pm$ 0.808 χ^2 /NDF: 11414.4/55

All: 238.325 $\pm$ 0.557 χ^2 /NDF: 26776.5/112

- sign 244.150 $\pm$ 0.770 χ^2 /NDF: 15241.7/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 43.876 $\pm$ 1.289 χ^2 /NDF: 912.5/30

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 37.490 $\pm$ 1.203 χ^2 /NDF: 738.7/33

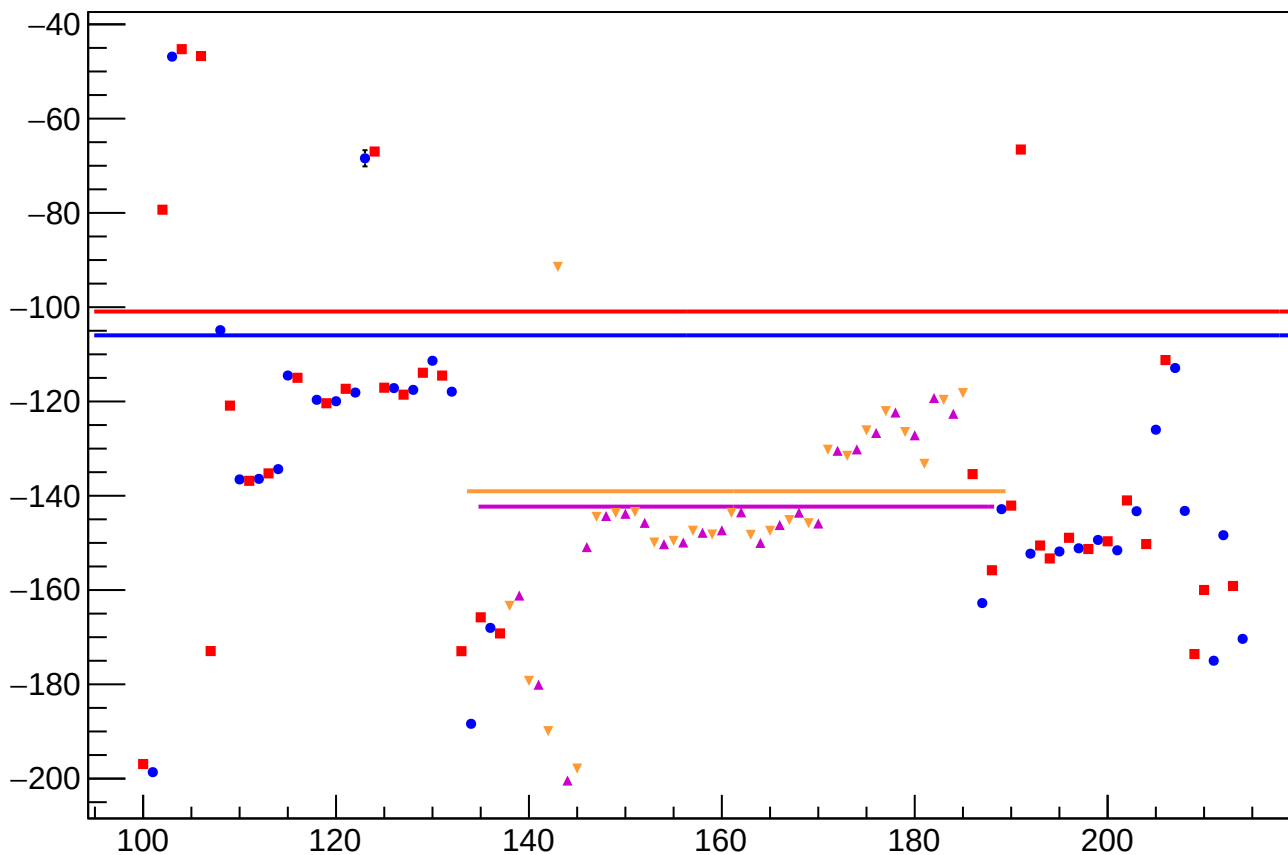
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 55.324 $\pm$ 0.736 χ^2 /NDF: 1761.1/55

All: 54.205 $\pm$ 0.523 χ^2 /NDF: 3290.8/112

- sign 53.069 $\pm$ 0.742 χ^2 /NDF: 1525.0/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -105.972 ± 0.058 χ^2/NDF : 730515.4/30

Left Out: -139.040 ± 0.043 χ^2/NDF : 258113.4/24

Right Out: -100.915 ± 0.054 χ^2/NDF : 764581.0/33

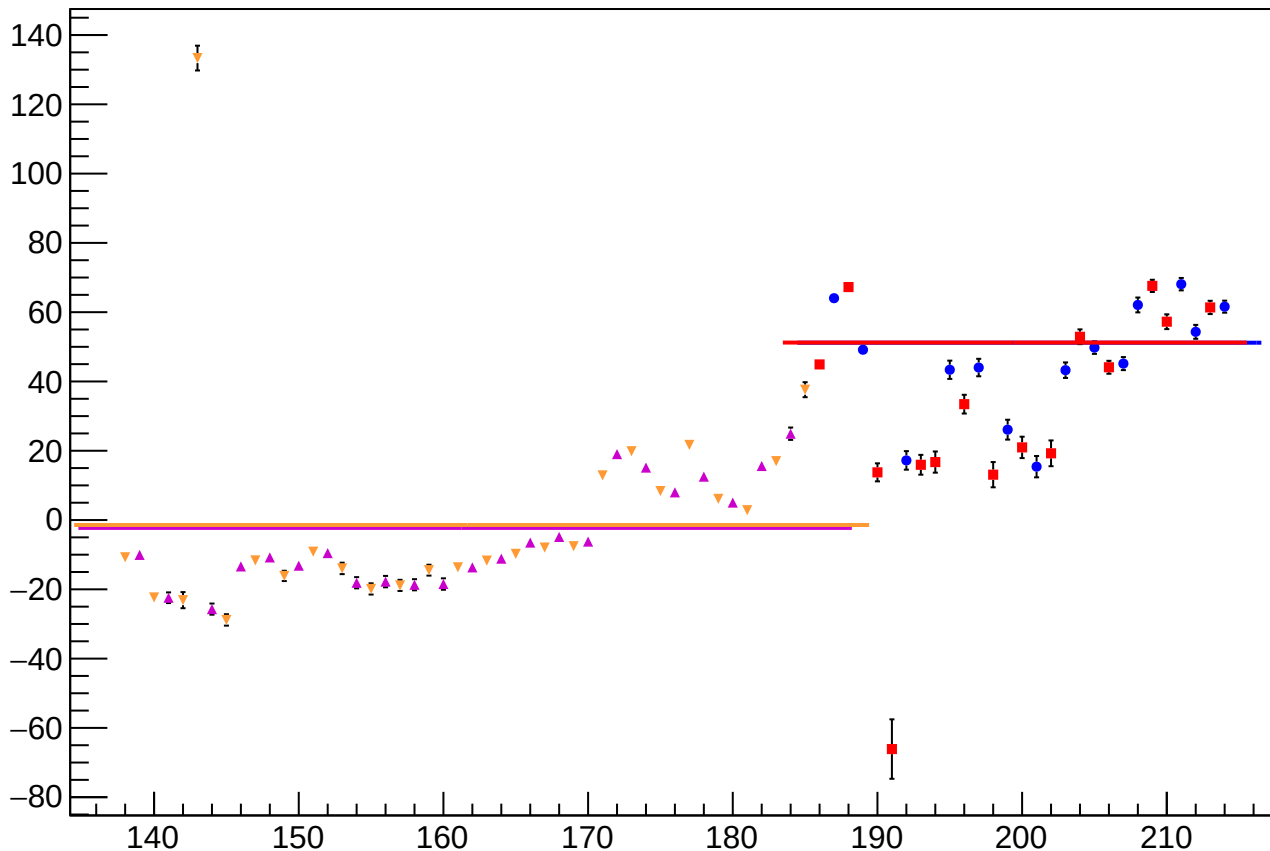
Left In: -142.305 ± 0.044 χ^2/NDF : 143351.8/22

+ sign -127.230 ± 0.034 χ^2/NDF : 1201127.3/55

All: -126.574 ± 0.024 χ^2/NDF : 2458808.5/11

- sign -125.922 ± 0.034 χ^2/NDF : 1256954.7/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 51.187 ± 0.531 χ^2/NDF : 652.5/13

Left Out: -1.427 ± 0.268 χ^2/NDF : 4339.0/24

Right Out: 51.229 ± 0.443 χ^2/NDF : 1615.1/14

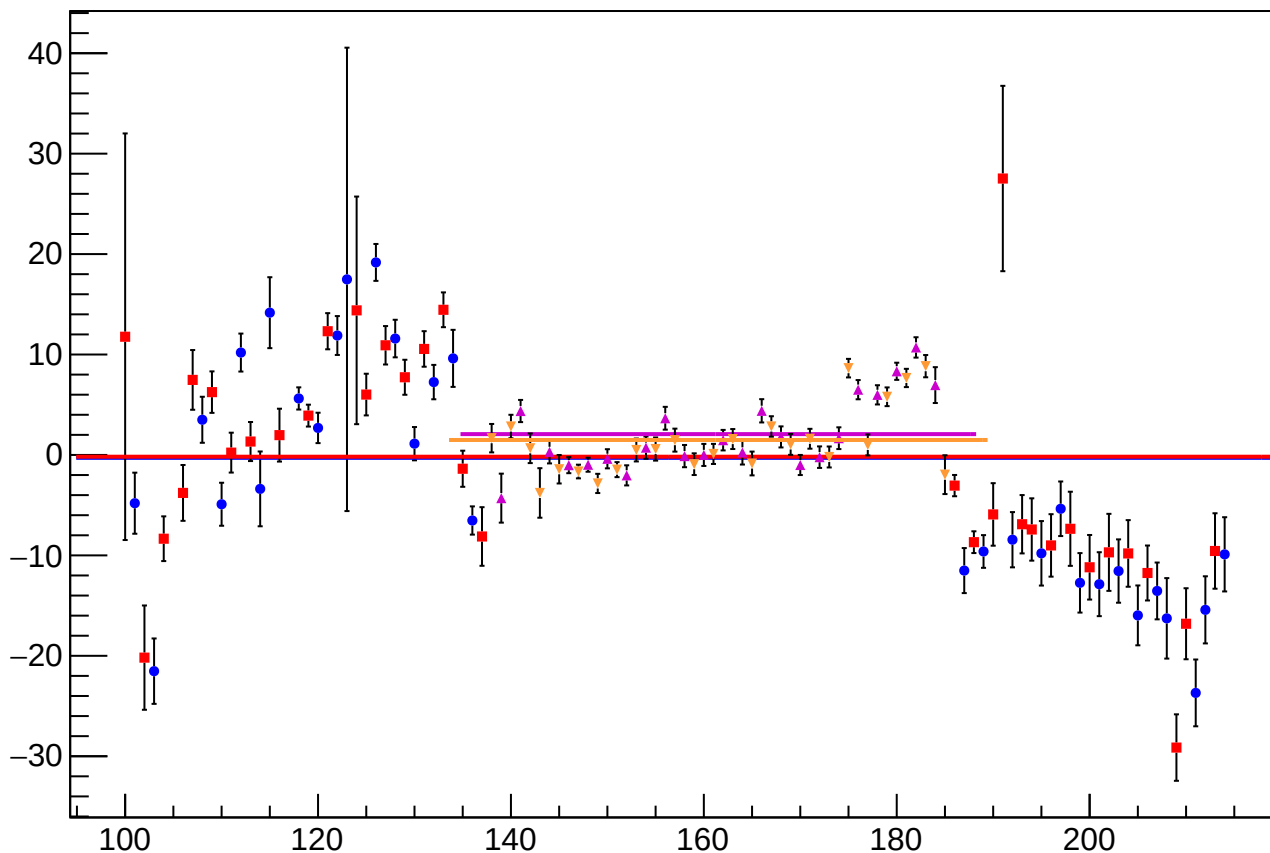
Left In: -2.270 ± 0.271 χ^2/NDF : 2521.6/22

+ sign 9.231 ± 0.239 χ^2/NDF : 12820.5/38

All: 10.818 ± 0.166 χ^2/NDF : 27676.2/76

- sign 12.299 ± 0.231 χ^2/NDF : 14770.5/37

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.285 ± 0.399 χ^2/NDF : 644.9/30

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: -0.175 ± 0.369 χ^2/NDF : 544.3/33

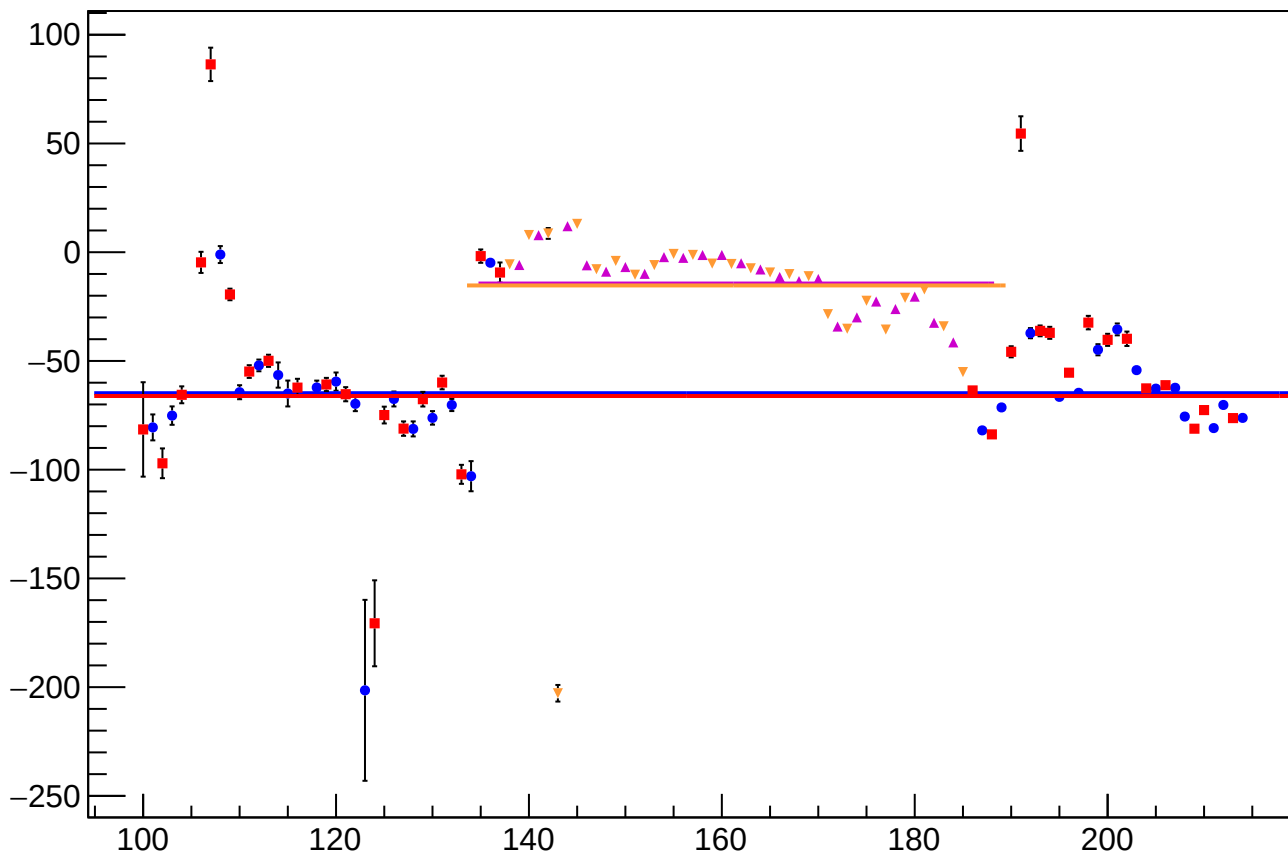
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.104 ± 0.186 χ^2/NDF : 919.5/55

All: 1.304 ± 0.132 χ^2/NDF : 1768.4/112

- sign 1.503 ± 0.186 χ^2/NDF : 846.5/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -64.834 ± 0.427 $\chi^2/\text{NDF}: 1898.2/30$

Left Out: -15.279 ± 0.267 $\chi^2/\text{NDF}: 4820.1/24$

Right Out: -66.112 ± 0.347 $\chi^2/\text{NDF}: 3420.5/33$

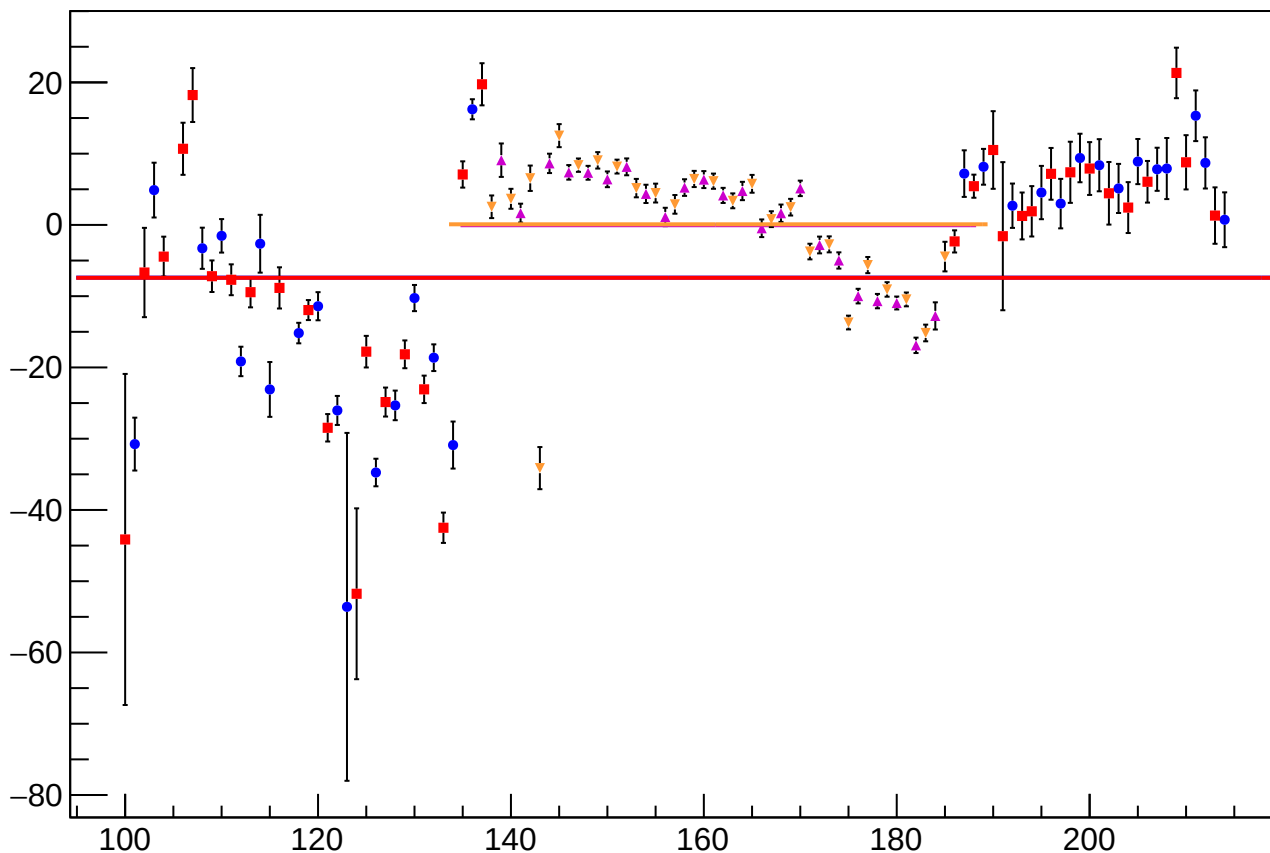
Left In: -14.406 ± 0.269 $\chi^2/\text{NDF}: 2032.4/22$

+ sign -29.191 ± 0.226 $\chi^2/\text{NDF}: 16404.1/55$

All: -31.639 ± 0.155 $\chi^2/\text{NDF}: 35926.4/112$

- sign -33.803 ± 0.213 $\chi^2/\text{NDF}: 19301.9/56$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -7.397 ± 0.461 χ^2/NDF : 1146.9/30

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -7.421 ± 0.442 χ^2/NDF : 1097.3/33

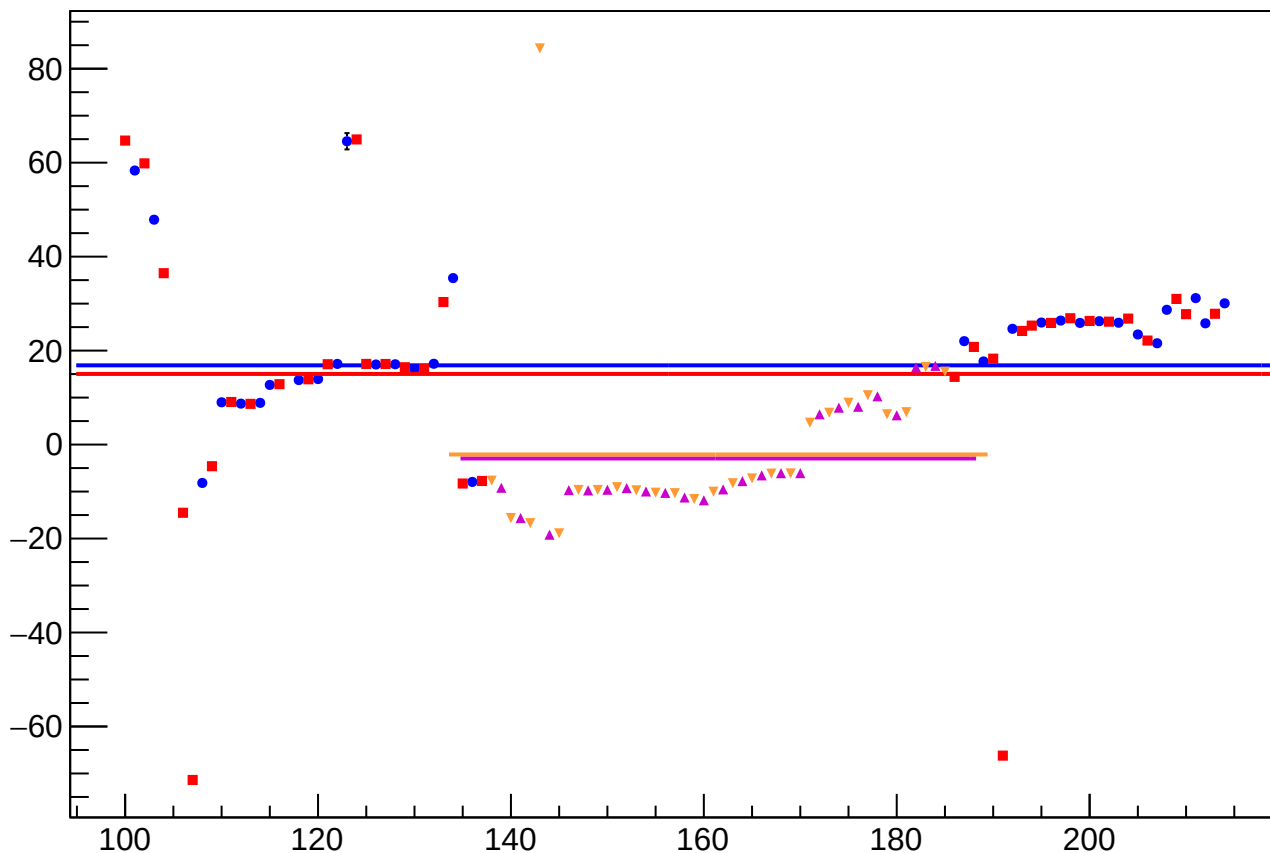
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.490 ± 0.212 χ^2/NDF : 2527.1/55

All: -1.623 ± 0.150 χ^2/NDF : 4867.3/112

- sign -1.757 ± 0.213 χ^2/NDF : 2339.4/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 16.863 ± 0.023 $\chi^2/\text{NDF}: 490215.0/30$

Left Out: -2.105 ± 0.011 $\chi^2/\text{NDF}: 1093120.2/24$

Right Out: 15.034 ± 0.022 $\chi^2/\text{NDF}: 767603.3/33$

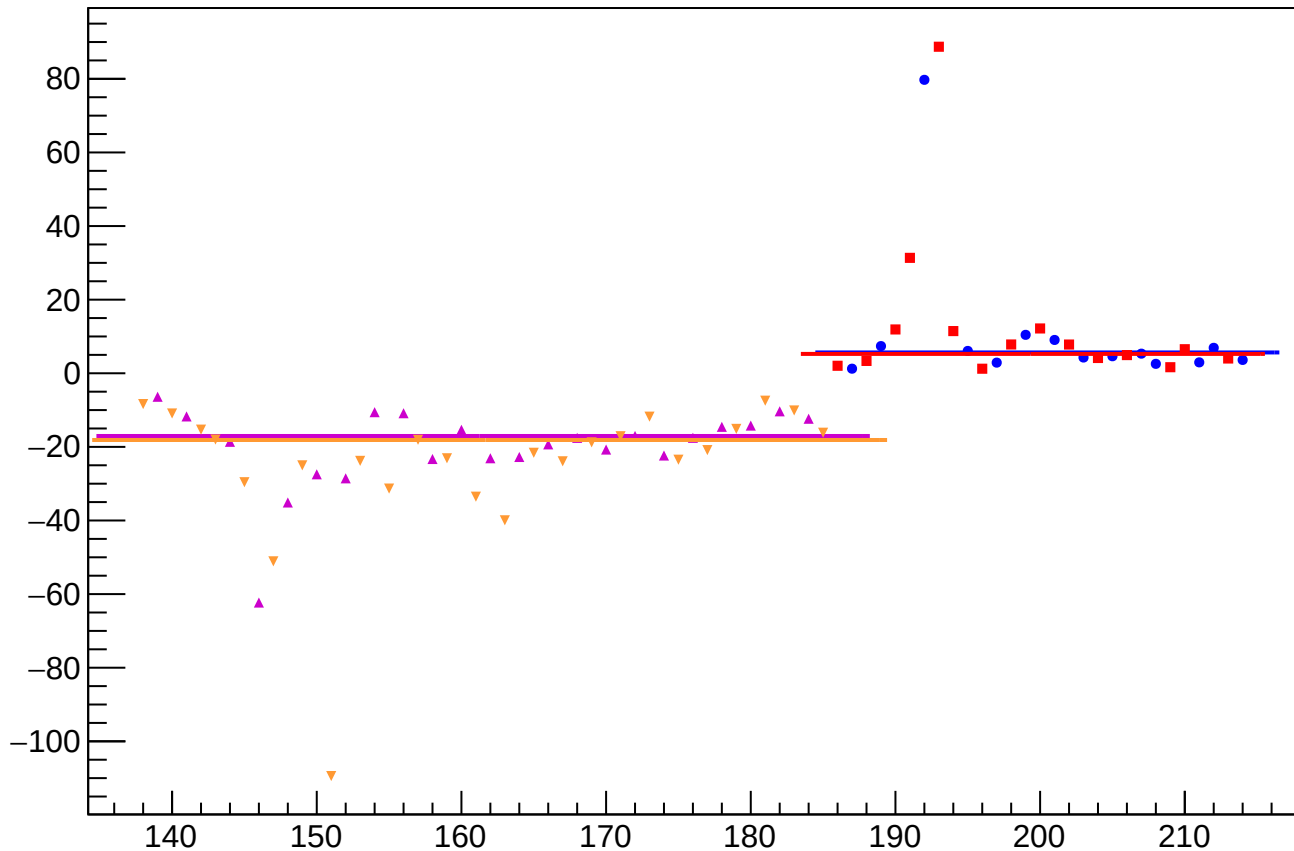
Left In: -2.959 ± 0.011 $\chi^2/\text{NDF}: 763000.9/22$

+ sign 1.425 ± 0.010 $\chi^2/\text{NDF}: 2144703.0/55$

All: 0.977 ± 0.007 $\chi^2/\text{NDF}: 4197717.9/112$

- sign 0.527 ± 0.010 $\chi^2/\text{NDF}: 2048869.4/56$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 5.658 $\pm$ 0.050 χ^2 /NDF: 26458.1/13

Left Out: -18.128 $\pm$ 0.039 χ^2 /NDF: 88551.6/24

Right Out: 5.262 $\pm$ 0.049 χ^2 /NDF: 26884.2/14

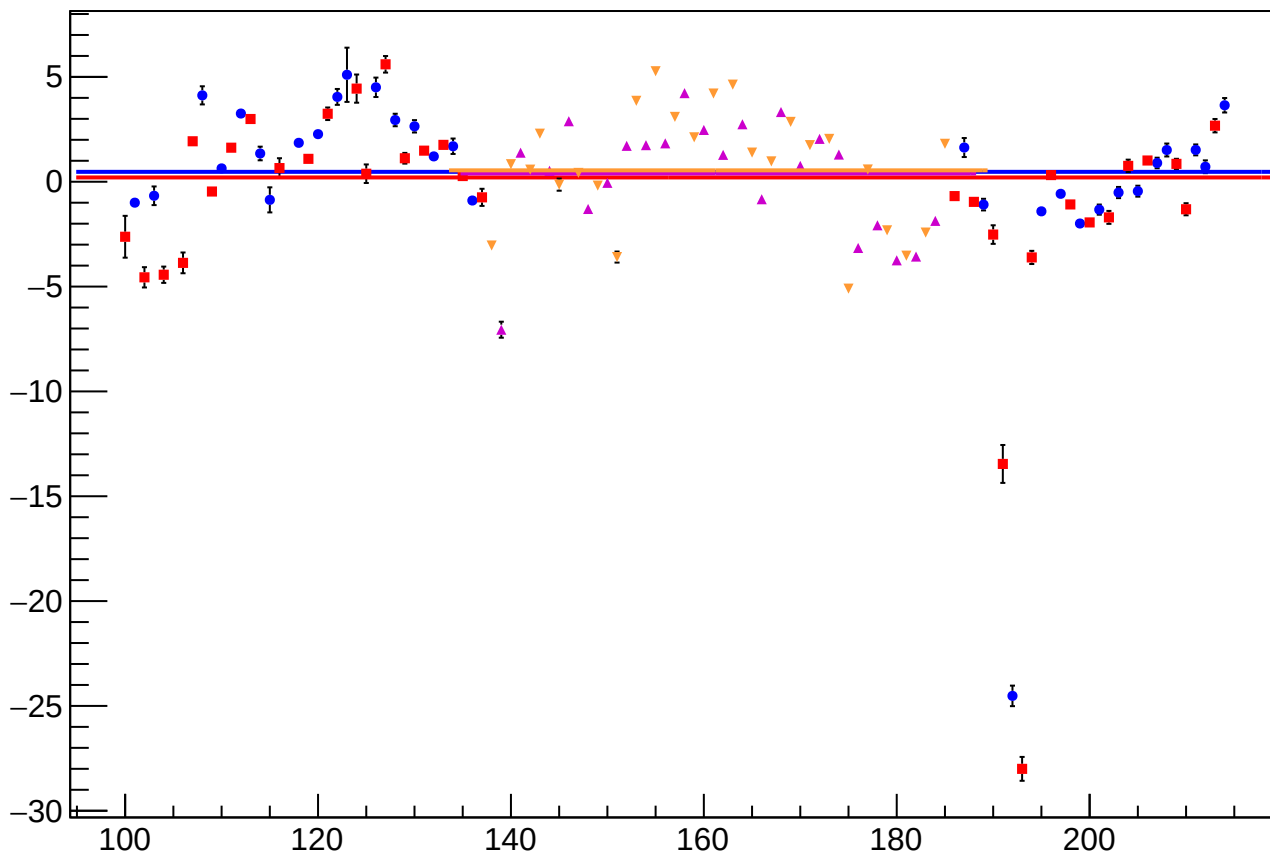
Left In: -17.038 $\pm$ 0.038 χ^2 /NDF: 44141.1/22

+ sign -9.163 $\pm$ 0.031 χ^2 /NDF: 255838.6/38

All: -8.934 $\pm$ 0.022 χ^2 /NDF: 454496.7/76

- sign -8.714 $\pm$ 0.030 χ^2 /NDF: 198549.6/37

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.472 ± 0.046 χ^2/NDF : 3946.6/30

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.205 ± 0.044 χ^2/NDF : 4359.3/33

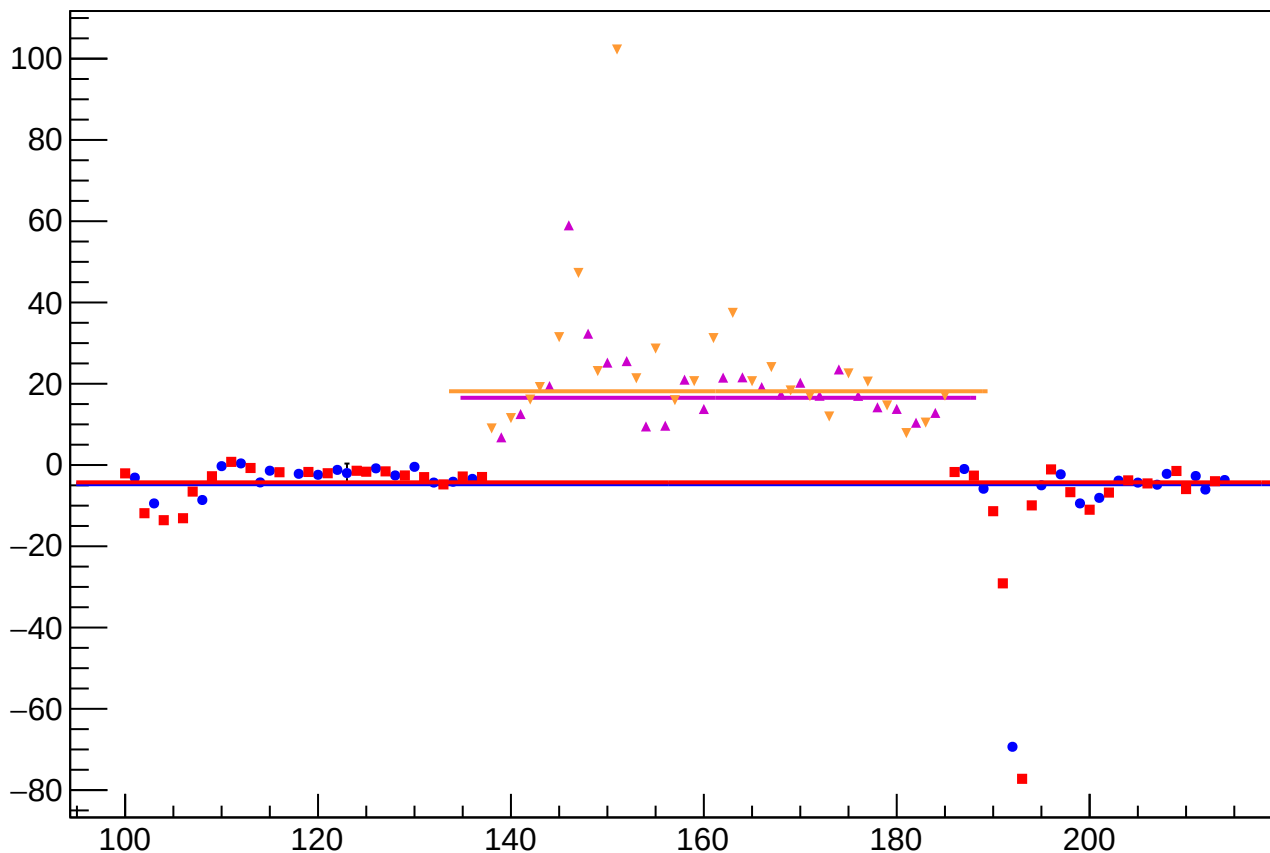
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.520 ± 0.027 χ^2/NDF : 11033.4/55

All: 0.423 ± 0.018 χ^2/NDF : 21666.6/112

- sign 0.335 ± 0.025 χ^2/NDF : 10607.6/56

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -4.722 ± 0.044 $\chi^2/\text{NDF}: 27274.1/30$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.262 ± 0.041 $\chi^2/\text{NDF}: 28233.6/33$

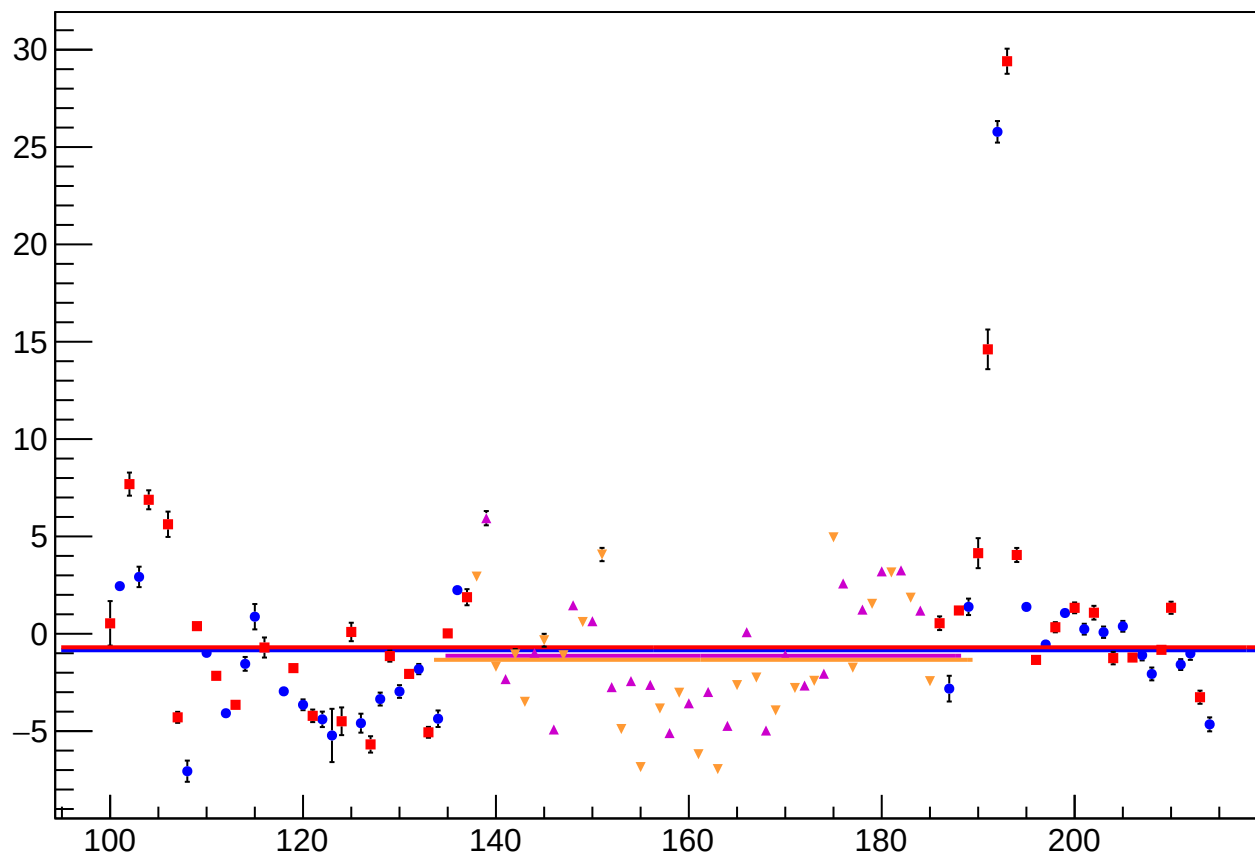
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 7.964 ± 0.029 $\chi^2/\text{NDF}: 257558.8/55$

All: 7.445 ± 0.020 $\chi^2/\text{NDF}: 466905.4/112$

- sign 6.973 ± 0.028 $\chi^2/\text{NDF}: 208740.0/56$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.847 ± 0.053 χ^2/NDF : 4056.4/30

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.695 ± 0.051 χ^2/NDF : 4575.5/33

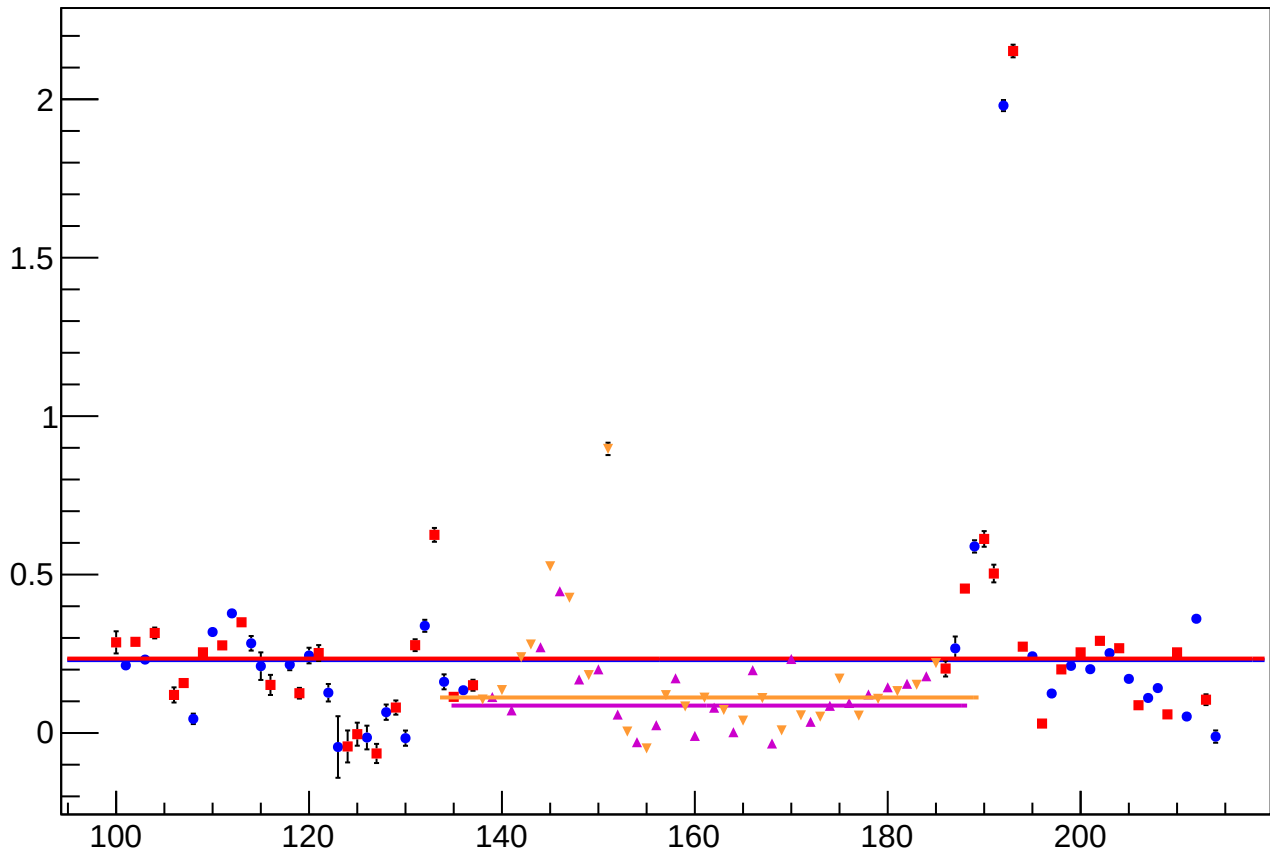
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.185 ± 0.030 χ^2/NDF : 12057.7/55

All: -1.085 ± 0.021 χ^2/NDF : 23444.6/112

- sign -0.995 ± 0.028 χ^2/NDF : 11365.8/56

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.230 $\pm$ 0.002 χ^2 /NDF: 11855.1/30

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF: 4503.9/24

Right Out: 0.235 $\pm$ 0.002 χ^2 /NDF: 12169.4/33

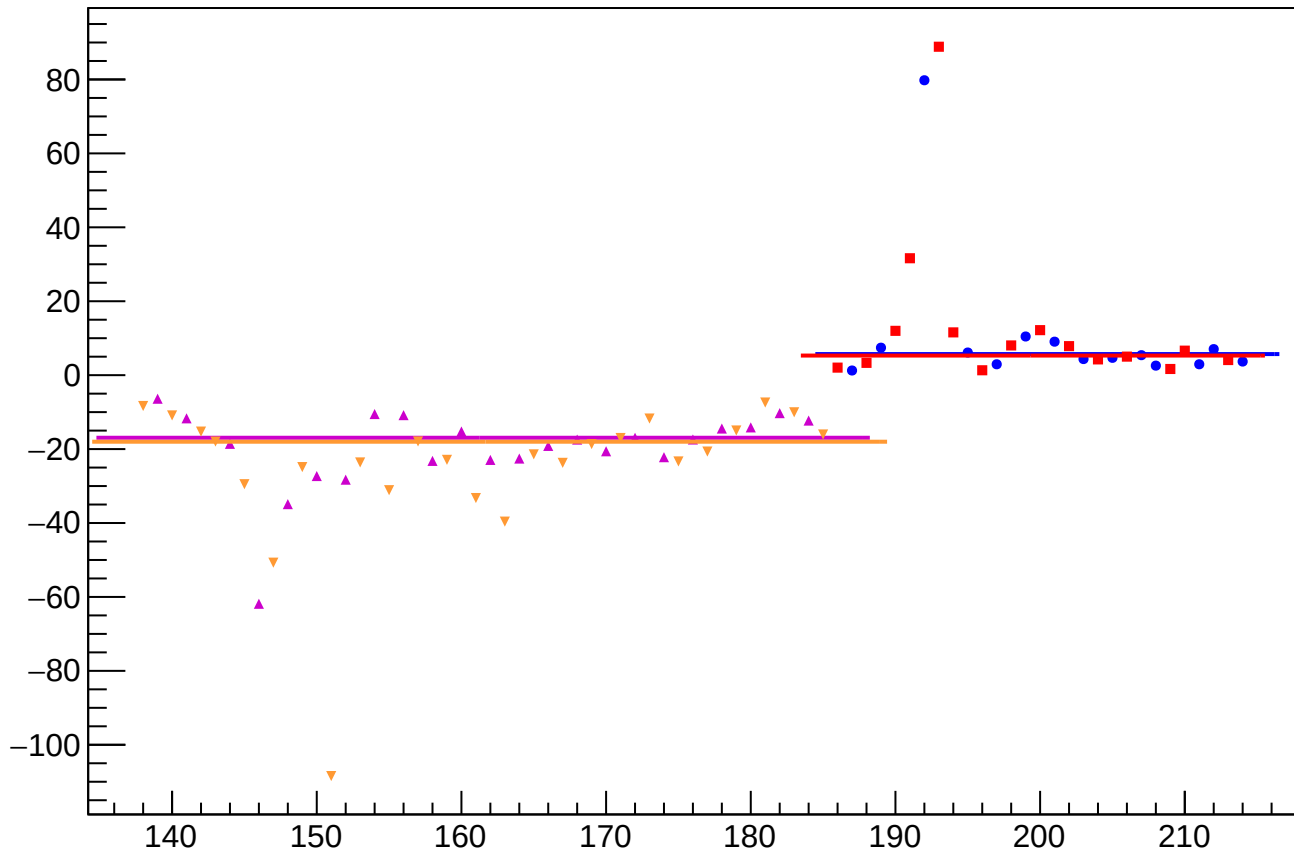
Left In: 0.087 $\pm$ 0.002 χ^2 /NDF: 3655.4/22

+ sign 0.149 $\pm$ 0.001 χ^2 /NDF: 18059.8/55

All: 0.139 $\pm$ 0.001 χ^2 /NDF: 36878.9/112

- sign 0.130 $\pm$ 0.001 χ^2 /NDF: 18713.9/56

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 5.705 ± 0.050 χ^2/NDF : 26673.7/13

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 5.304 ± 0.049 χ^2/NDF : 27239.6/14

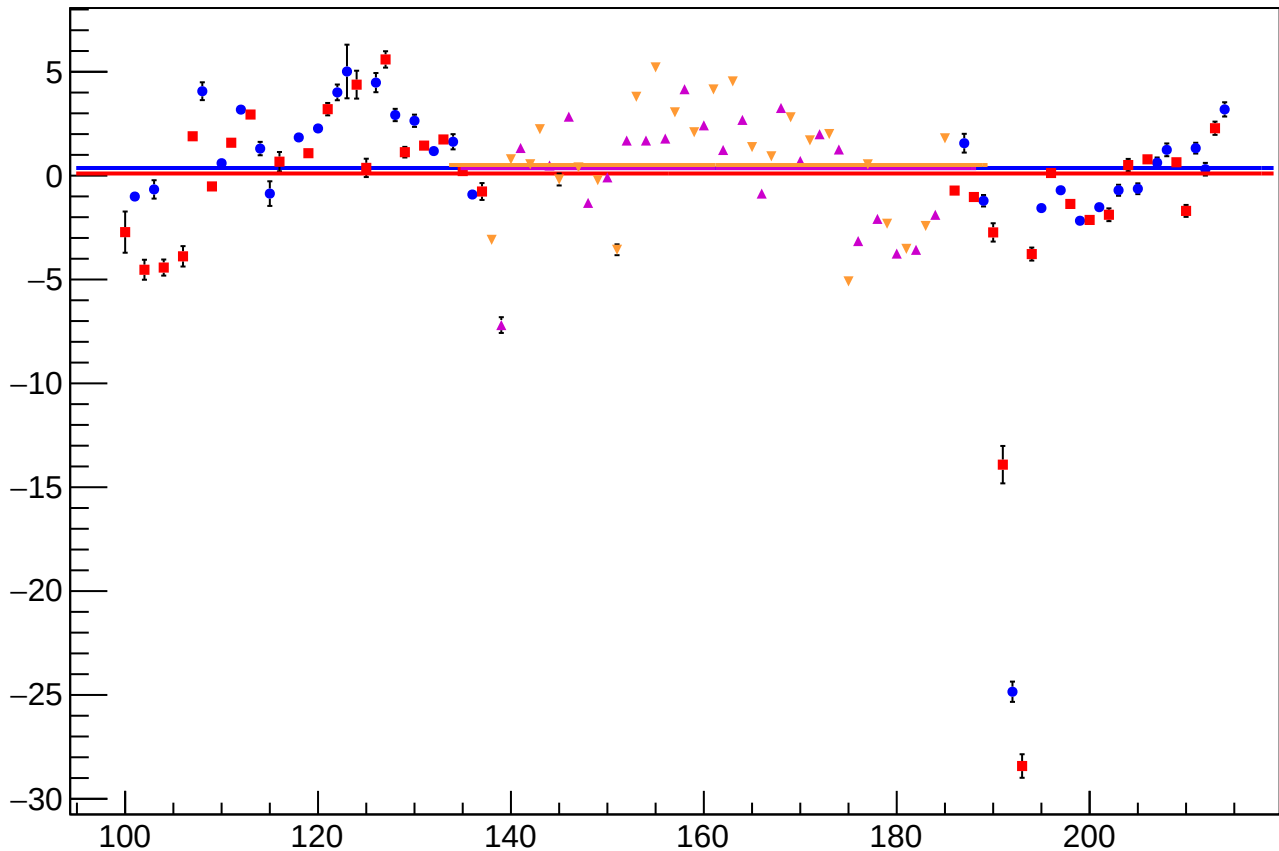
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -9.100 ± 0.031 χ^2/NDF : 256465.6/38

All: -8.864 ± 0.021 χ^2/NDF : 456339.2/76

- sign -8.636 ± 0.030 χ^2/NDF : 199755.9/37

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.369 ± 0.046 χ^2/NDF : 4053.7/30

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.104 ± 0.044 χ^2/NDF : 4514.8/33

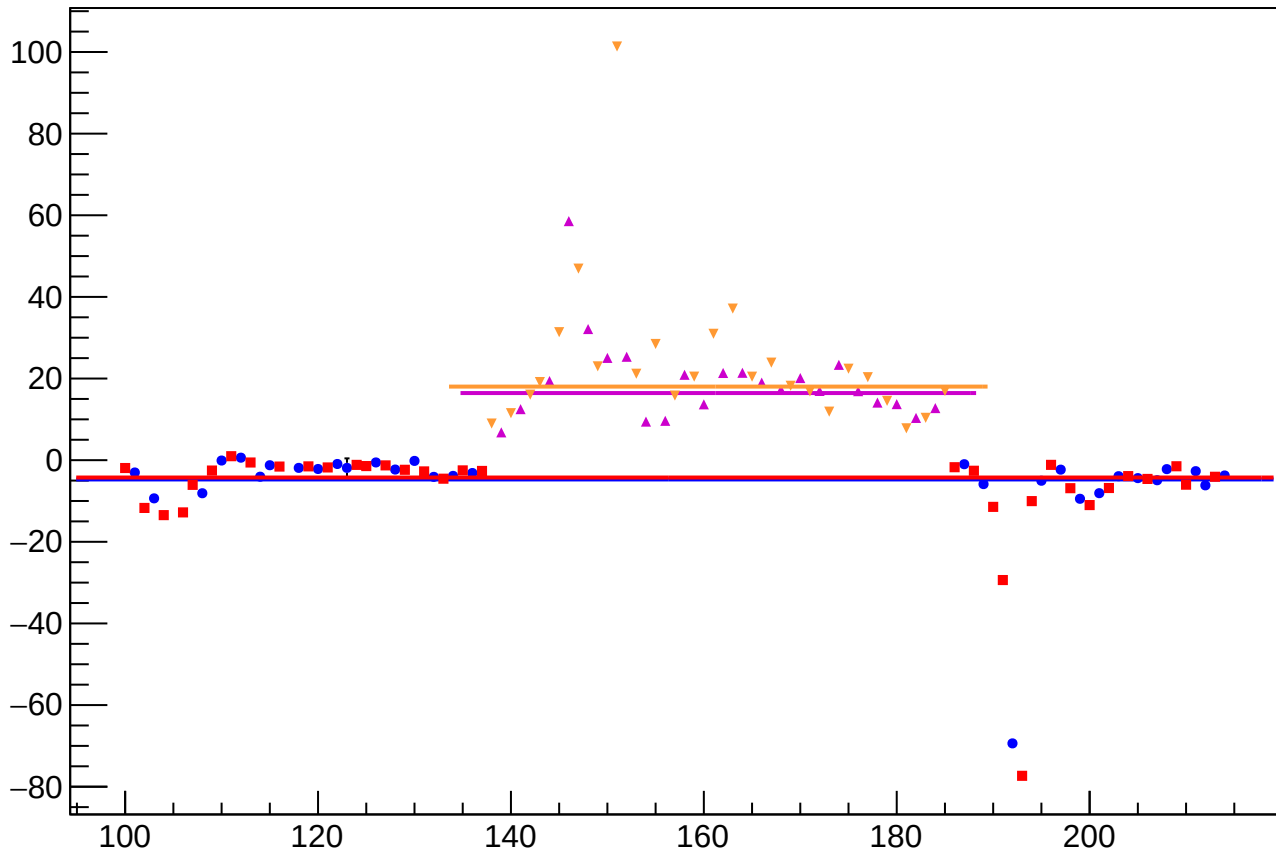
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.465 ± 0.026 χ^2/NDF : 11130.6/55

All: 0.366 ± 0.018 χ^2/NDF : 21916.1/112

- sign 0.277 ± 0.025 χ^2/NDF : 10758.8/56

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -4.722 ± 0.043 $\chi^2/\text{NDF}: 27593.9/30$

Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$

Right Out: -4.250 ± 0.041 $\chi^2/\text{NDF}: 28699.5/33$

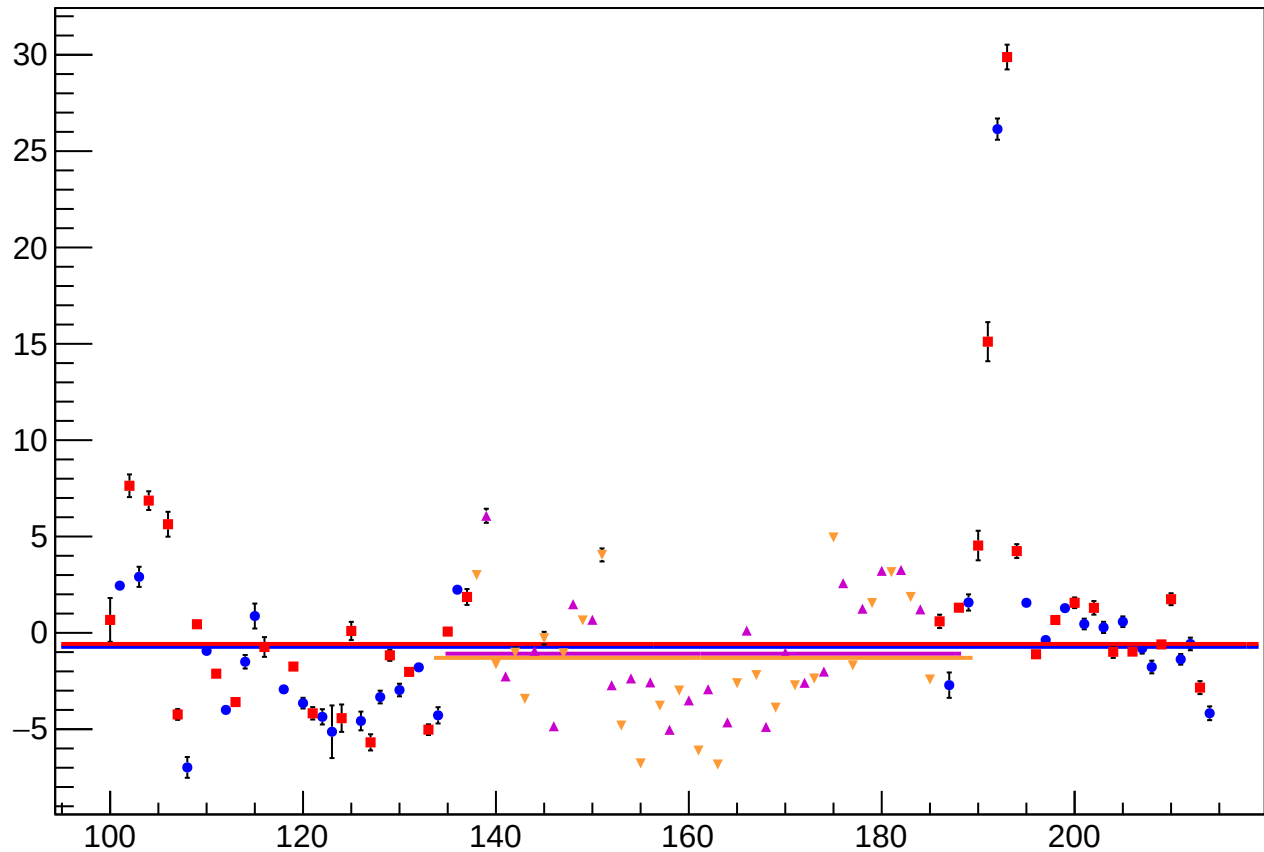
Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

+ sign 7.926 ± 0.029 $\chi^2/\text{NDF}: 257788.4/55$

All: 7.401 ± 0.020 $\chi^2/\text{NDF}: 467881.5/112$

- sign 6.925 ± 0.028 $\chi^2/\text{NDF}: 209465.8/56$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.725 ± 0.053 χ^2/NDF : 4139.6/30

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.576 ± 0.051 χ^2/NDF : 4726.8/33

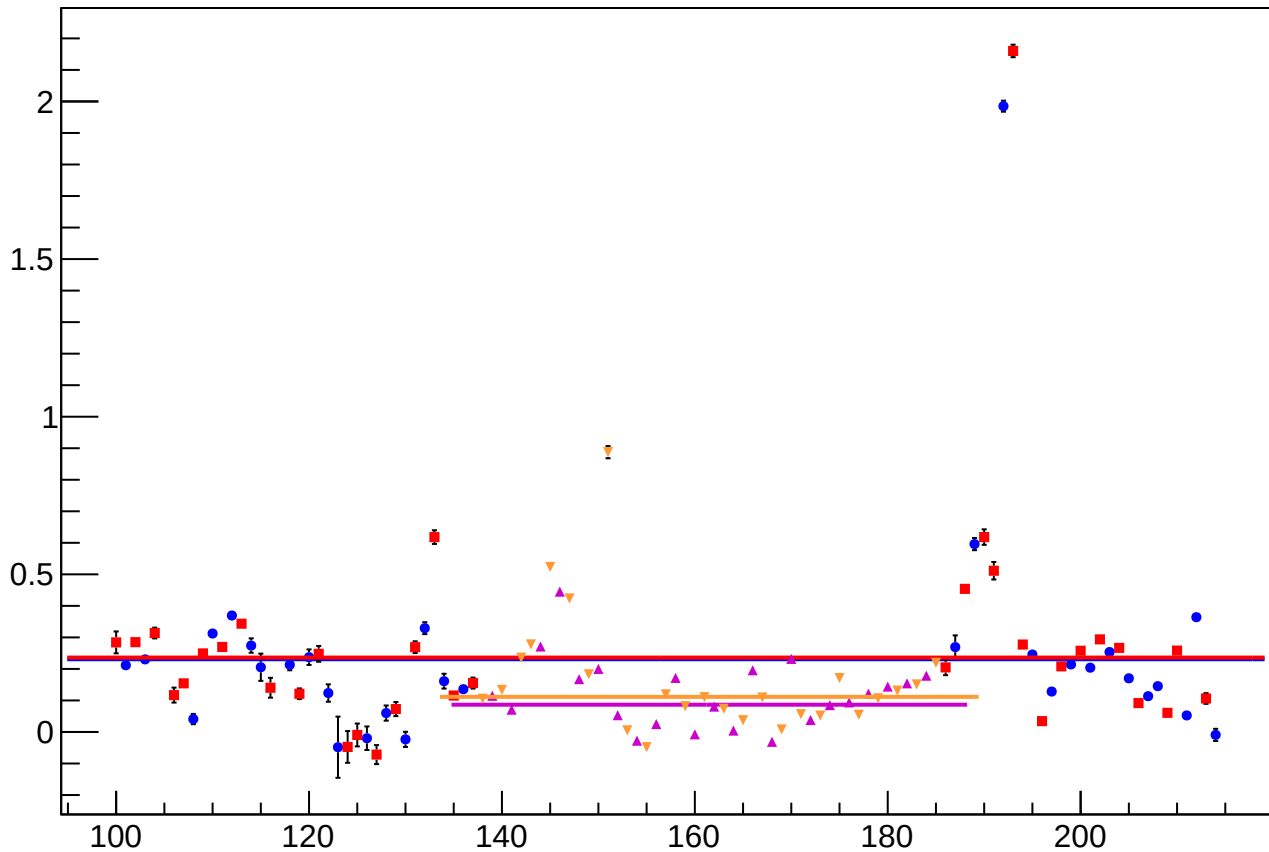
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.119 ± 0.030 χ^2/NDF : 12144.8/55

All: -1.018 ± 0.020 χ^2/NDF : 23686.5/112

- sign -0.926 ± 0.028 χ^2/NDF : 11519.3/56

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.231 $\pm$ 0.002 χ^2 /NDF: 11980.8/30

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF: 4496.0/24

Right Out: 0.236 $\pm$ 0.002 χ^2 /NDF: 12297.4/33

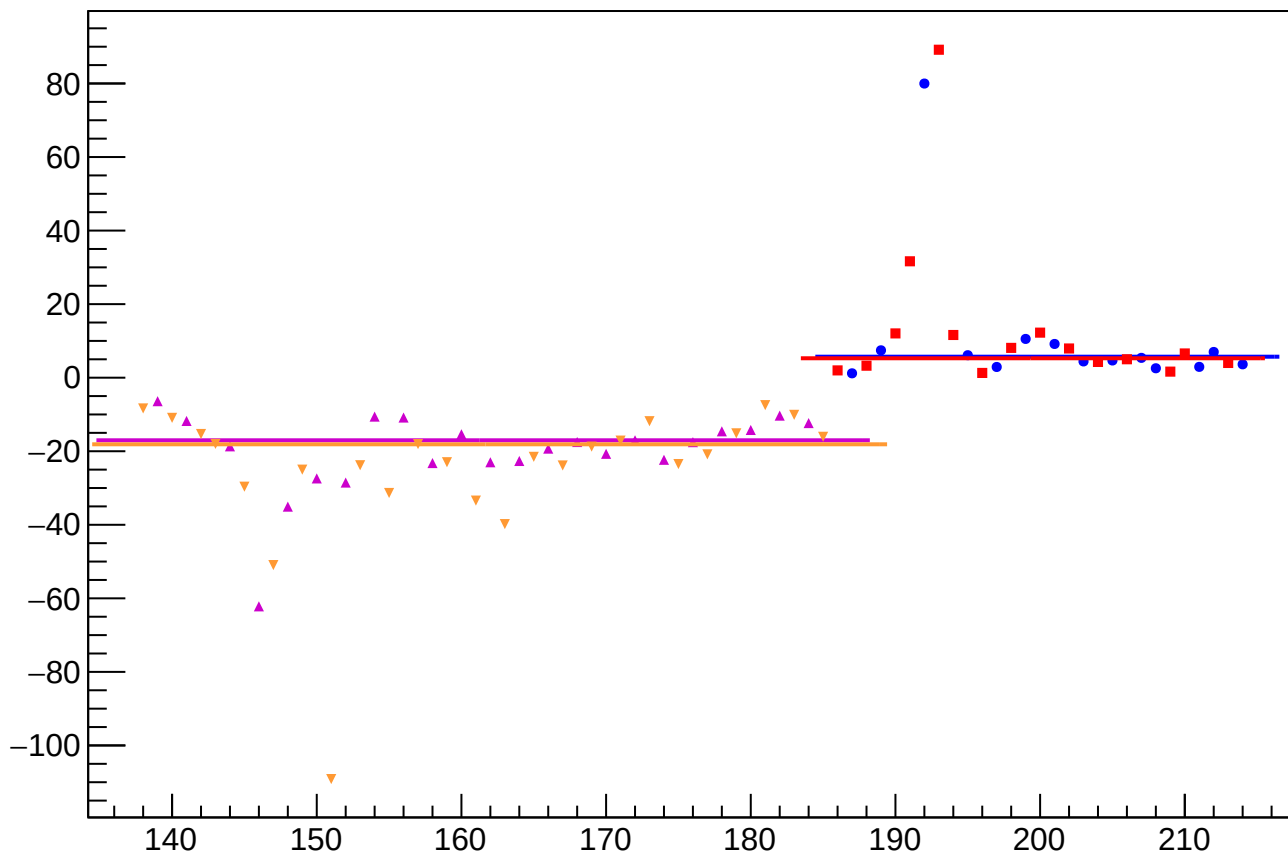
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3625.5/22

+ sign 0.149 $\pm$ 0.001 χ^2 /NDF: 18237.3/55

All: 0.139 $\pm$ 0.001 χ^2 /NDF: 37224.2/112

- sign 0.131 $\pm$ 0.001 χ^2 /NDF: 18887.3/56

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 5.708 ± 0.050 χ^2/NDF : 26668.5/13

Left Out: -18.112 ± 0.039 χ^2/NDF : 88529.7/24

Right Out: 5.280 ± 0.049 χ^2/NDF : 27261.0/14

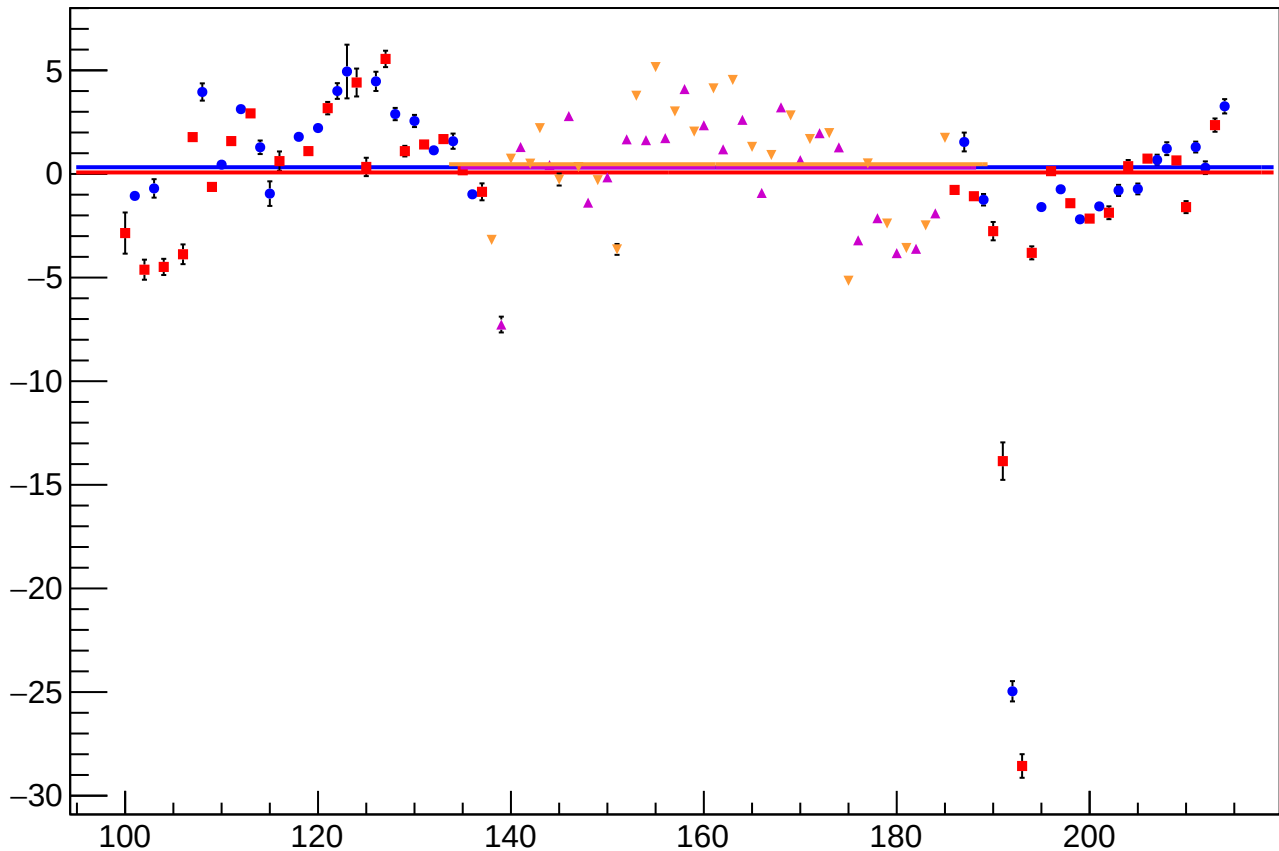
Left In: -17.024 ± 0.038 χ^2/NDF : 44141.8/22

+ sign -9.195 ± 0.031 χ^2/NDF : 256258.1/38

All: -8.947 ± 0.022 χ^2/NDF : 455888.9/76

- sign -8.709 ± 0.030 χ^2/NDF : 199503.1/37

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.324 ± 0.047 $\chi^2/\text{NDF}: 4047.1/30$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7093.0/24$

Right Out: 0.072 ± 0.044 $\chi^2/\text{NDF}: 4506.2/33$

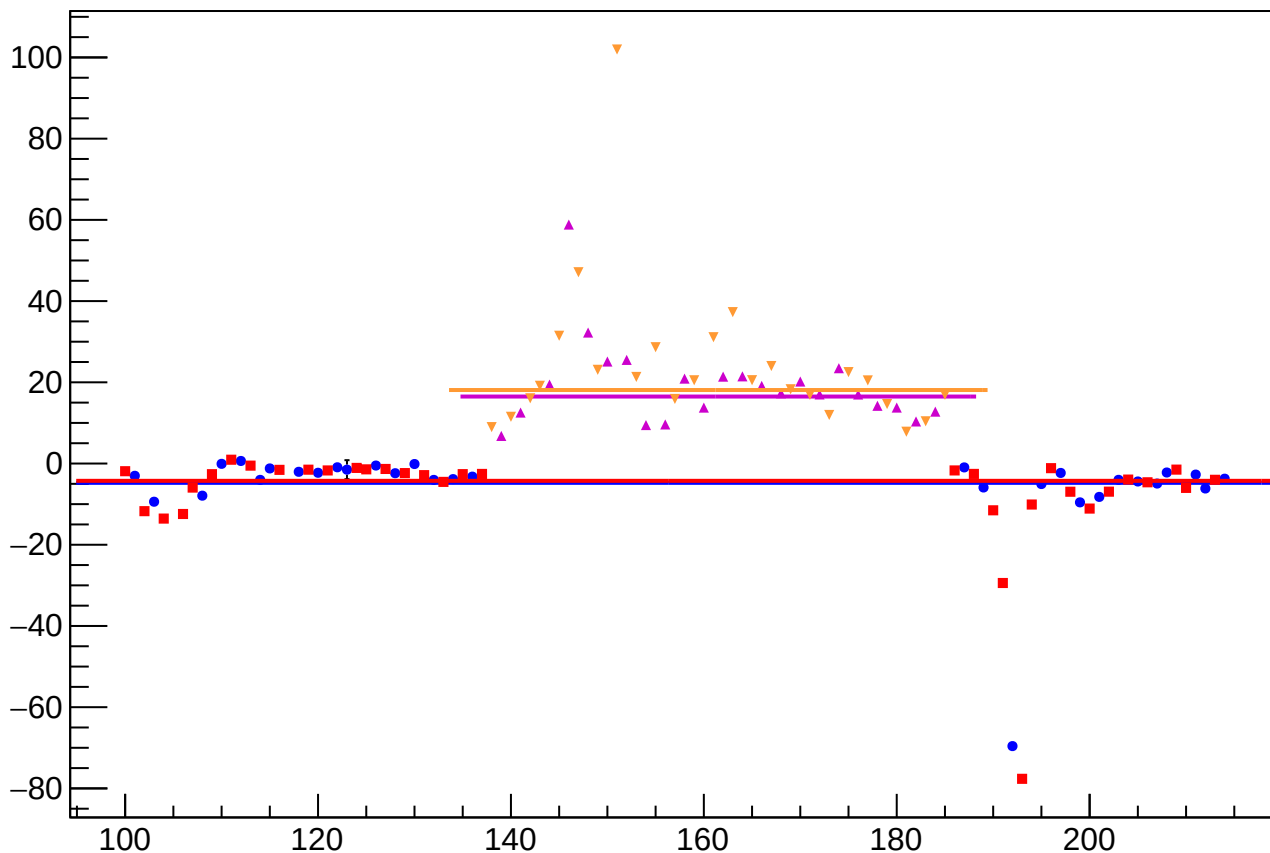
Left In: 0.311 ± 0.031 $\chi^2/\text{NDF}: 6183.1/22$

+ sign 0.422 ± 0.027 $\chi^2/\text{NDF}: 11146.6/55$

All: 0.323 ± 0.018 $\chi^2/\text{NDF}: 21882.3/112$

- sign 0.233 ± 0.025 $\chi^2/\text{NDF}: 10709.0/56$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -4.752 ± 0.044 $\chi^2/\text{NDF}: 27587.9/30$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.258 ± 0.041 $\chi^2/\text{NDF}: 28707.1/33$

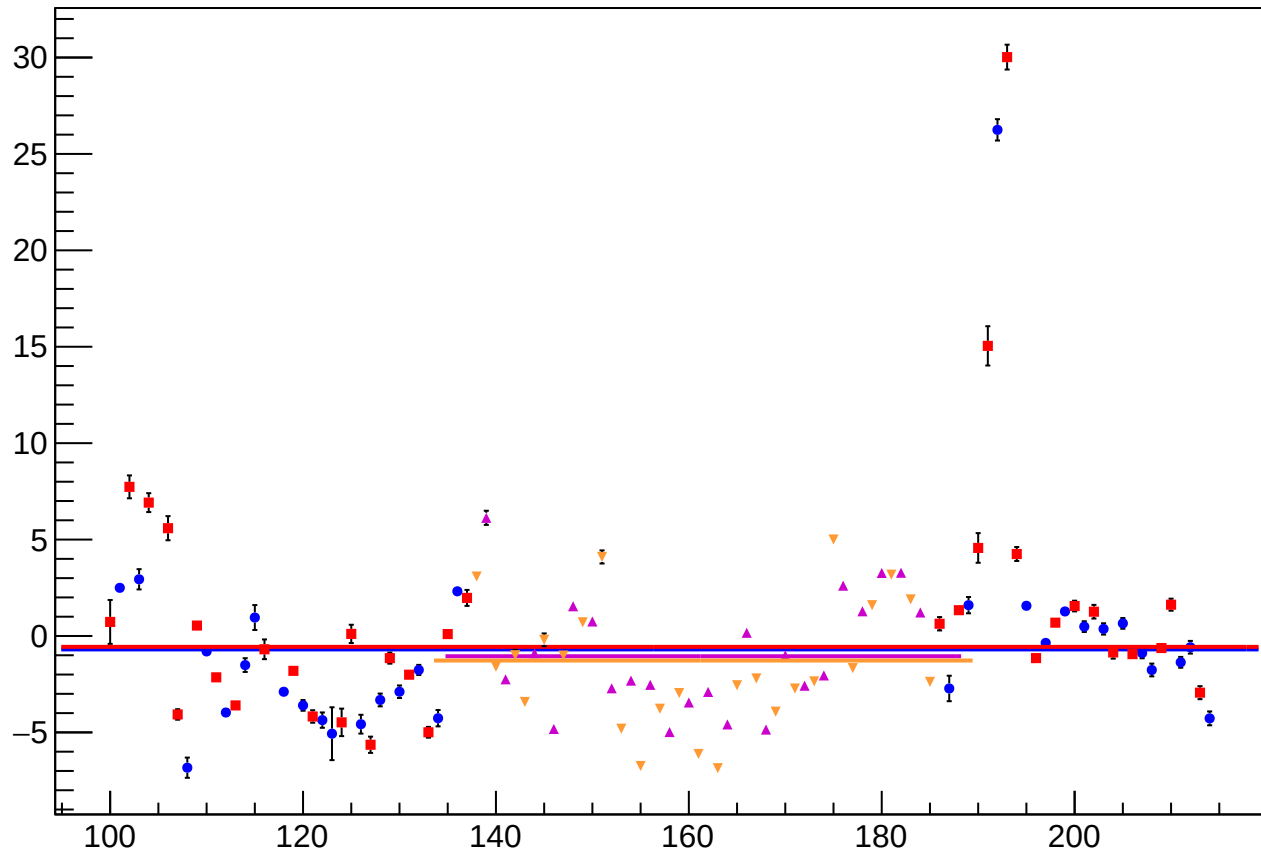
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 7.980 ± 0.029 $\chi^2/\text{NDF}: 257592.3/55$

All: 7.440 ± 0.020 $\chi^2/\text{NDF}: 467517.1/112$

- sign 6.952 ± 0.028 $\chi^2/\text{NDF}: 209270.6/56$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.696 ± 0.053 χ^2/NDF : 4137.8/30

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.565 ± 0.051 χ^2/NDF : 4720.0/33

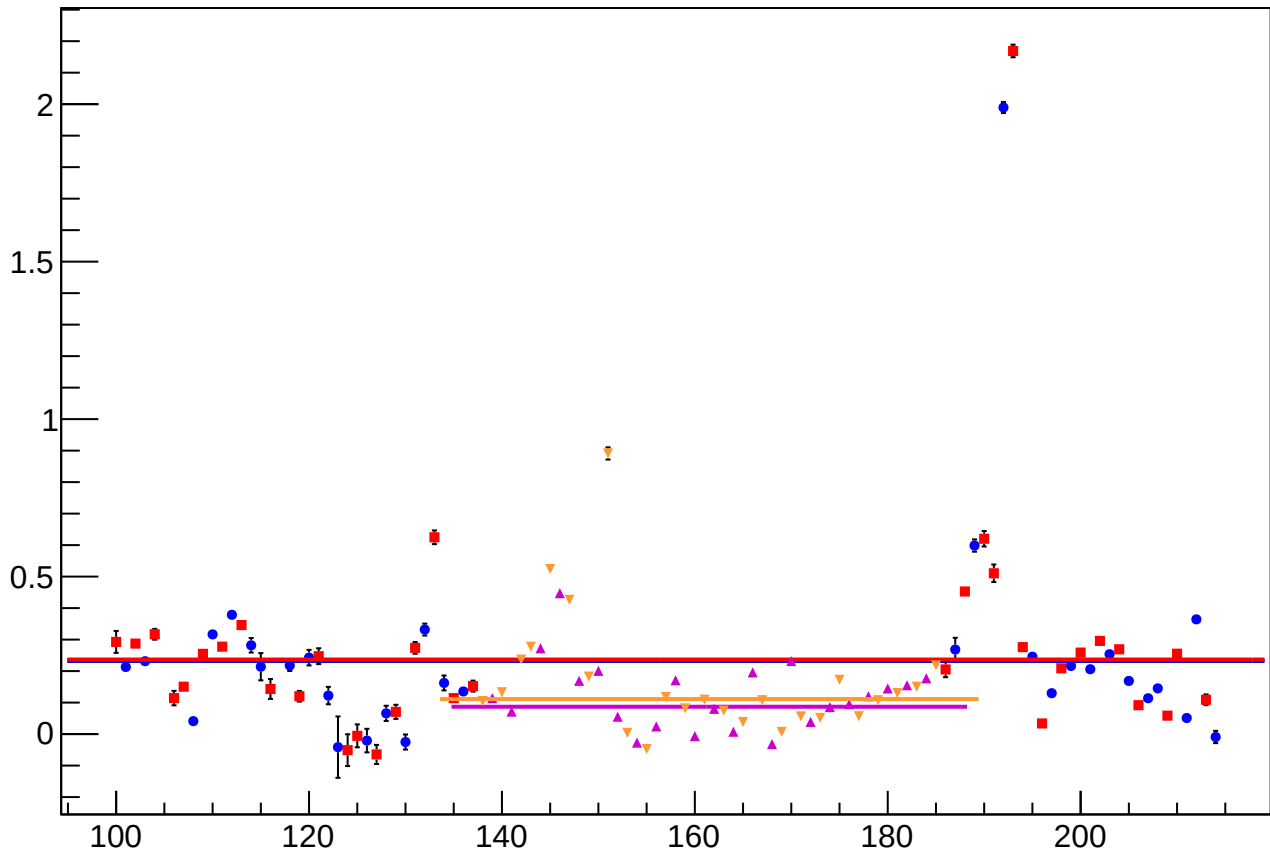
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.094 ± 0.030 χ^2/NDF : 12169.8/55

All: -0.993 ± 0.021 χ^2/NDF : 23647.9/112

- sign -0.901 ± 0.028 χ^2/NDF : 11456.0/56

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.232 ± 0.002 $\chi^2/\text{NDF}: 11975.8/30$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4474.5/24$

Right Out: 0.237 ± 0.002 $\chi^2/\text{NDF}: 12313.5/33$

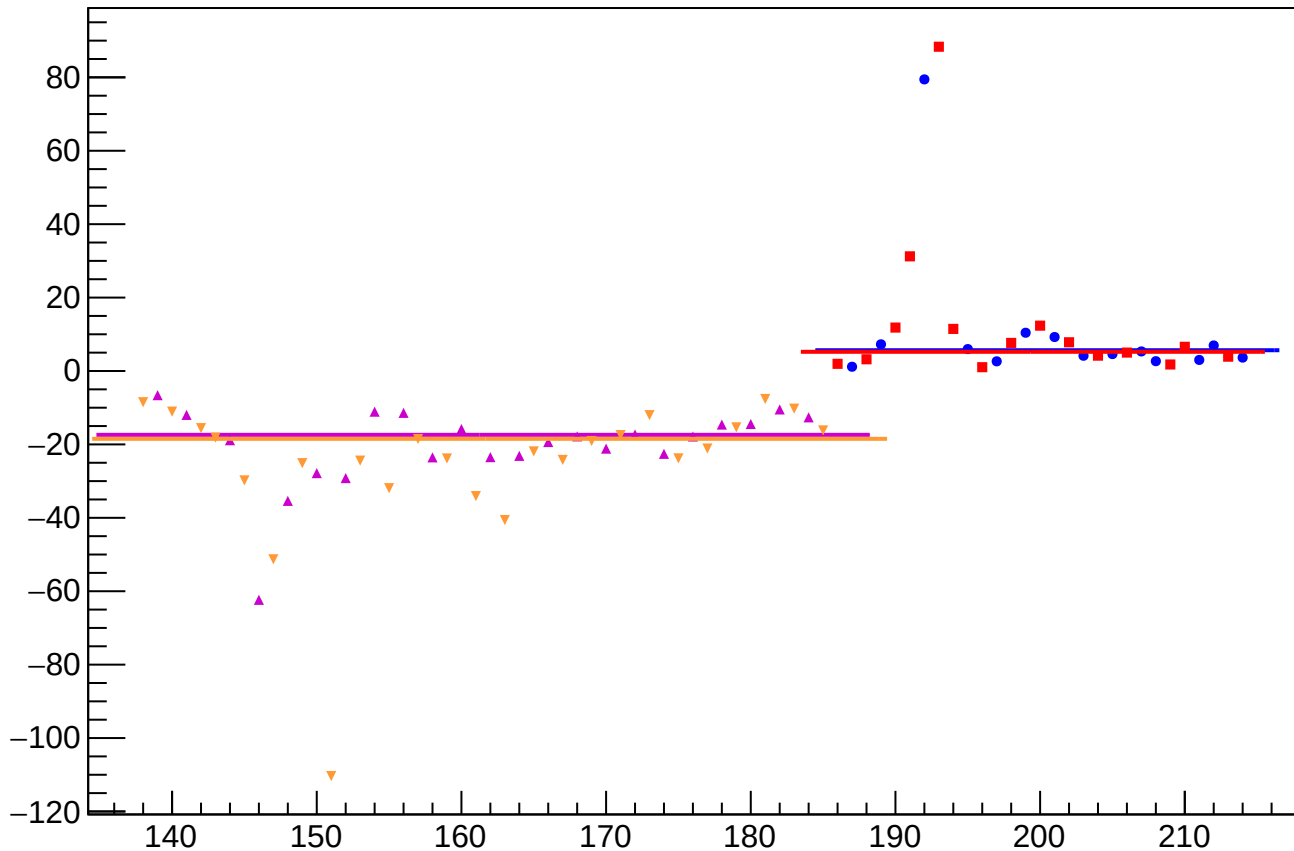
Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3598.5/22$

+ sign 0.149 ± 0.001 $\chi^2/\text{NDF}: 18235.9/55$

All: 0.140 ± 0.001 $\chi^2/\text{NDF}: 37200.9/112$

- sign 0.131 ± 0.001 $\chi^2/\text{NDF}: 18868.5/56$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 5.656 $\pm$ 0.050 χ^2 /NDF: 26184.1/13

Left Out: -18.479 $\pm$ 0.040 χ^2 /NDF: 87883.4/24

Right Out: 5.231 $\pm$ 0.050 χ^2 /NDF: 26680.7/14

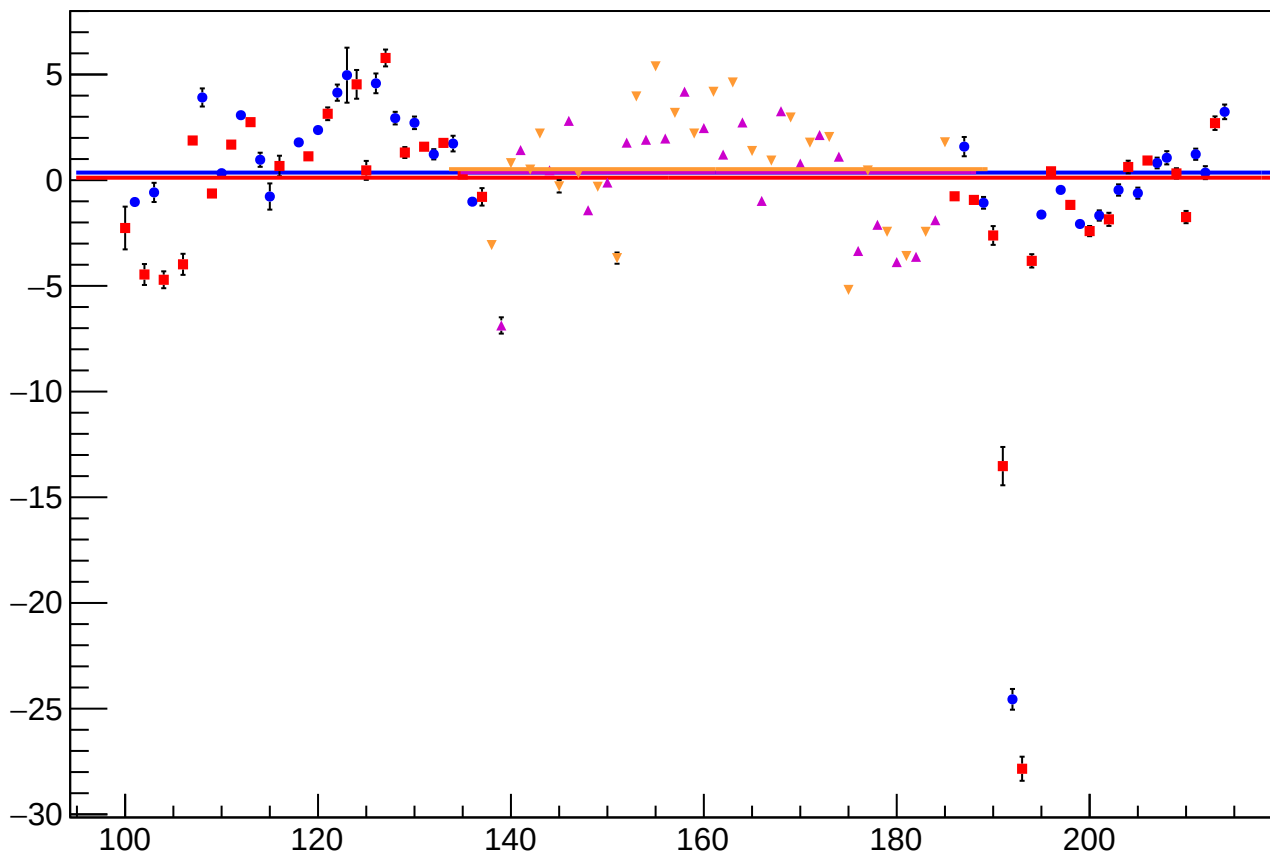
Left In: -17.393 $\pm$ 0.039 χ^2 /NDF: 43178.9/22

+ sign -9.247 $\pm$ 0.031 χ^2 /NDF: 255429.9/38

All: -8.996 $\pm$ 0.022 χ^2 /NDF: 454203.6/76

- sign -8.753 $\pm$ 0.031 χ^2 /NDF: 198645.8/37

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.360 ± 0.047 χ^2/NDF : 3906.1/30

Left Out: 0.522 ± 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.118 ± 0.045 χ^2/NDF : 4366.4/33

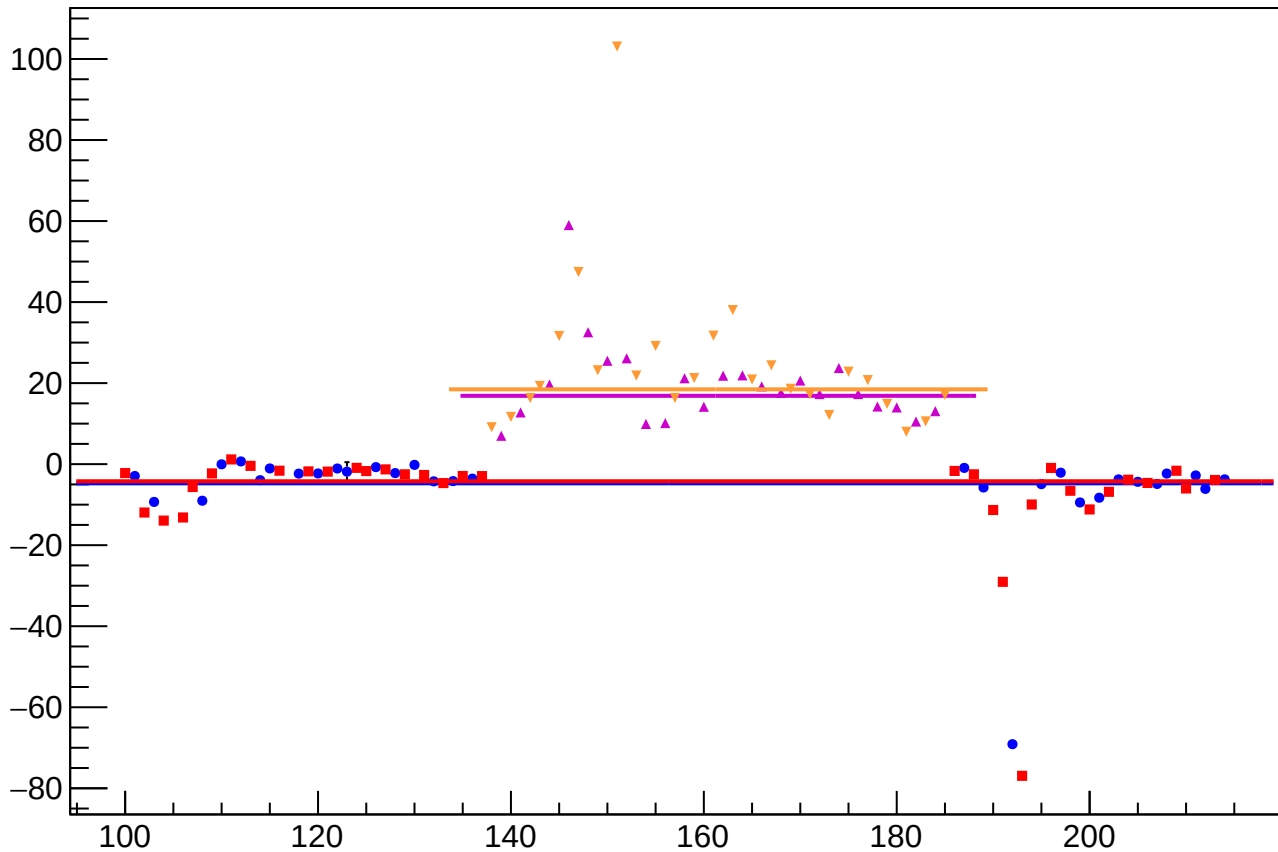
Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

+ sign 0.468 ± 0.027 χ^2/NDF : 10969.1/55

All: 0.374 ± 0.019 χ^2/NDF : 21597.8/112

- sign 0.288 ± 0.026 χ^2/NDF : 10605.3/56

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -4.733 ± 0.044 $\chi^2/\text{NDF}: 27075.5/30$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -4.221 ± 0.041 $\chi^2/\text{NDF}: 28151.9/33$

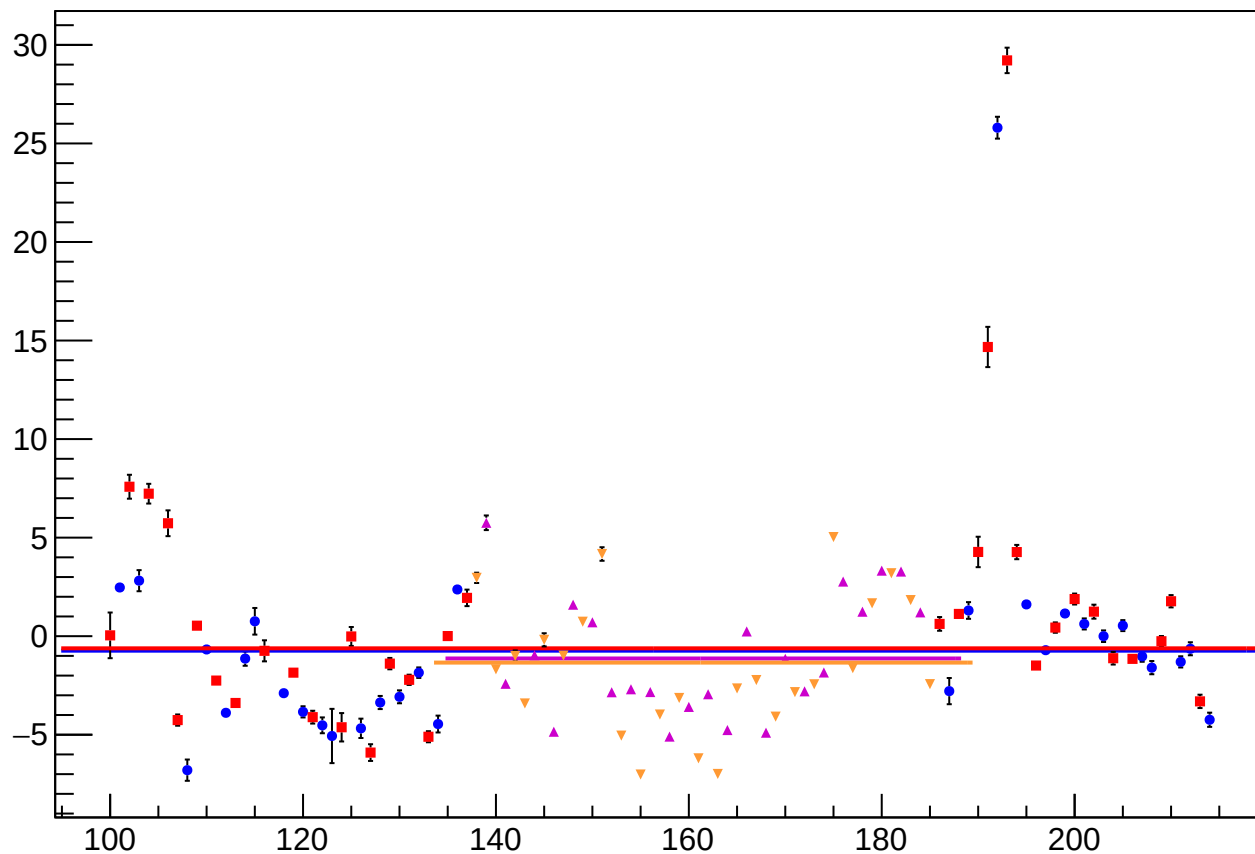
Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

+ sign 8.018 ± 0.030 $\chi^2/\text{NDF}: 256698.9/55$

All: 7.479 ± 0.020 $\chi^2/\text{NDF}: 465266.4/112$

- sign 6.992 ± 0.028 $\chi^2/\text{NDF}: 207936.3/56$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.735 ± 0.054 $\chi^2/\text{NDF}: 4012.6/30$

Left Out: -1.340 ± 0.037 $\chi^2/\text{NDF}: 7907.4/24$

Right Out: -0.617 ± 0.052 $\chi^2/\text{NDF}: 4592.2/33$

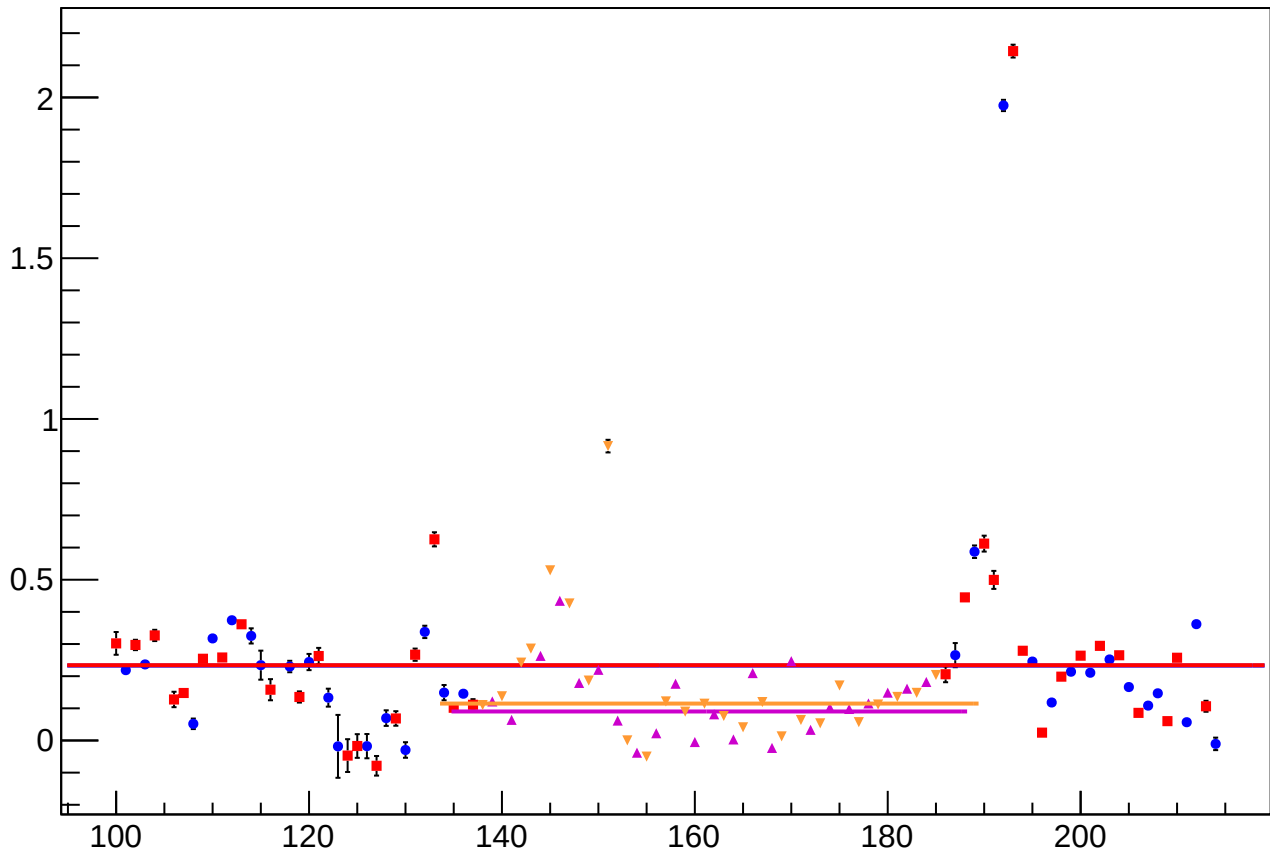
Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

+ sign -1.150 ± 0.030 $\chi^2/\text{NDF}: 12005.9/55$

All: -1.056 ± 0.021 $\chi^2/\text{NDF}: 23392.9/112$

- sign -0.971 ± 0.029 $\chi^2/\text{NDF}: 11368.8/56$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.233 $\pm$ 0.002 χ^2 /NDF: 11716.6/30

Left Out: 0.115 $\pm$ 0.002 χ^2 /NDF:4431.9/24

Right Out: 0.234 $\pm$ 0.002 χ^2 /NDF: 12160.5/33

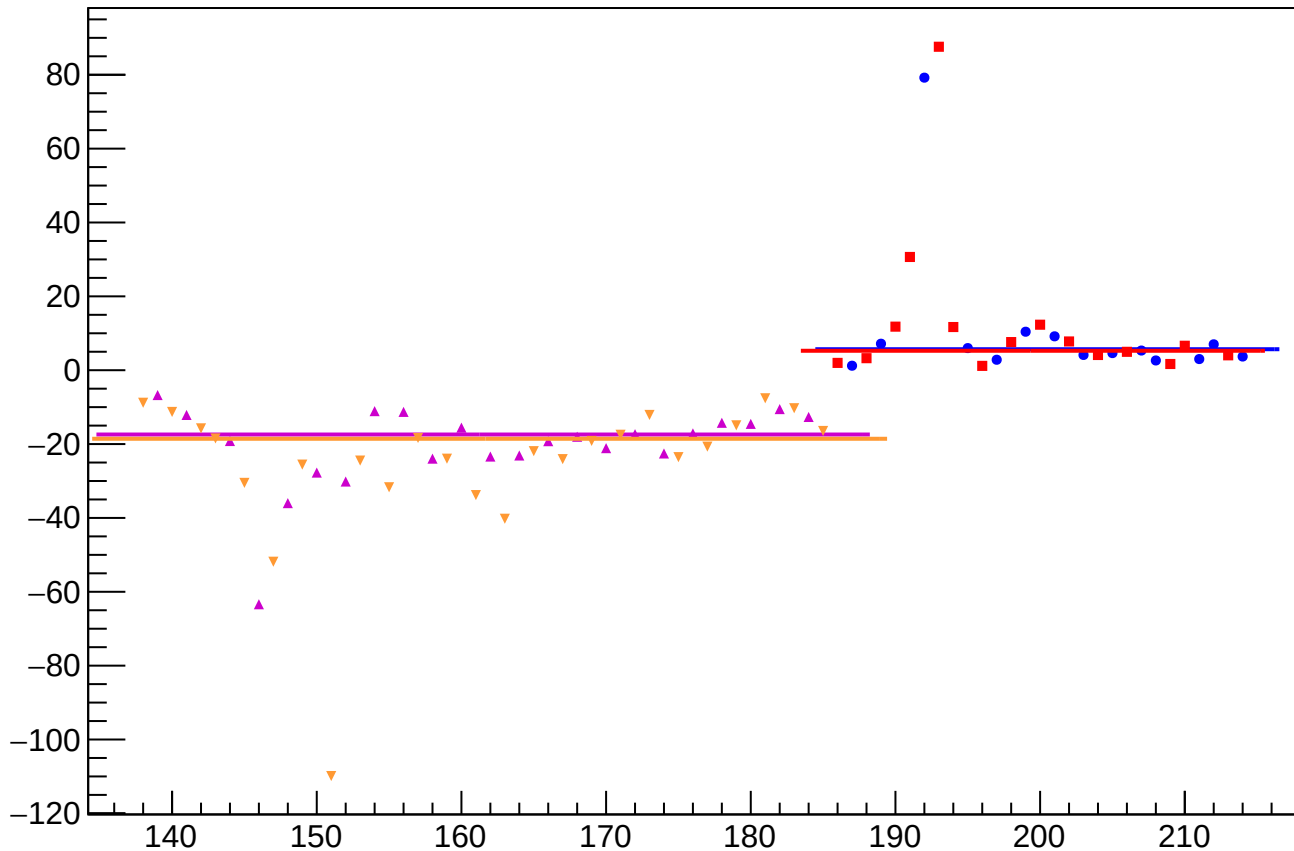
Left In: 0.090 $\pm$ 0.002 χ^2 /NDF:3676.5/22

+ sign 0.152 $\pm$ 0.001 χ^2 /NDF: 17810.6/55

All: 0.143 $\pm$ 0.001 χ^2 /NDF: 36394.1/112

- sign 0.134 $\pm$ 0.001 χ^2 /NDF: 18481.4/56

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 5.684 ± 0.051 χ^2/NDF : 25690.1/13

Left Out: -18.566 ± 0.040 χ^2/NDF : 86389.6/24

Right Out: 5.266 ± 0.050 χ^2/NDF : 26047.8/14

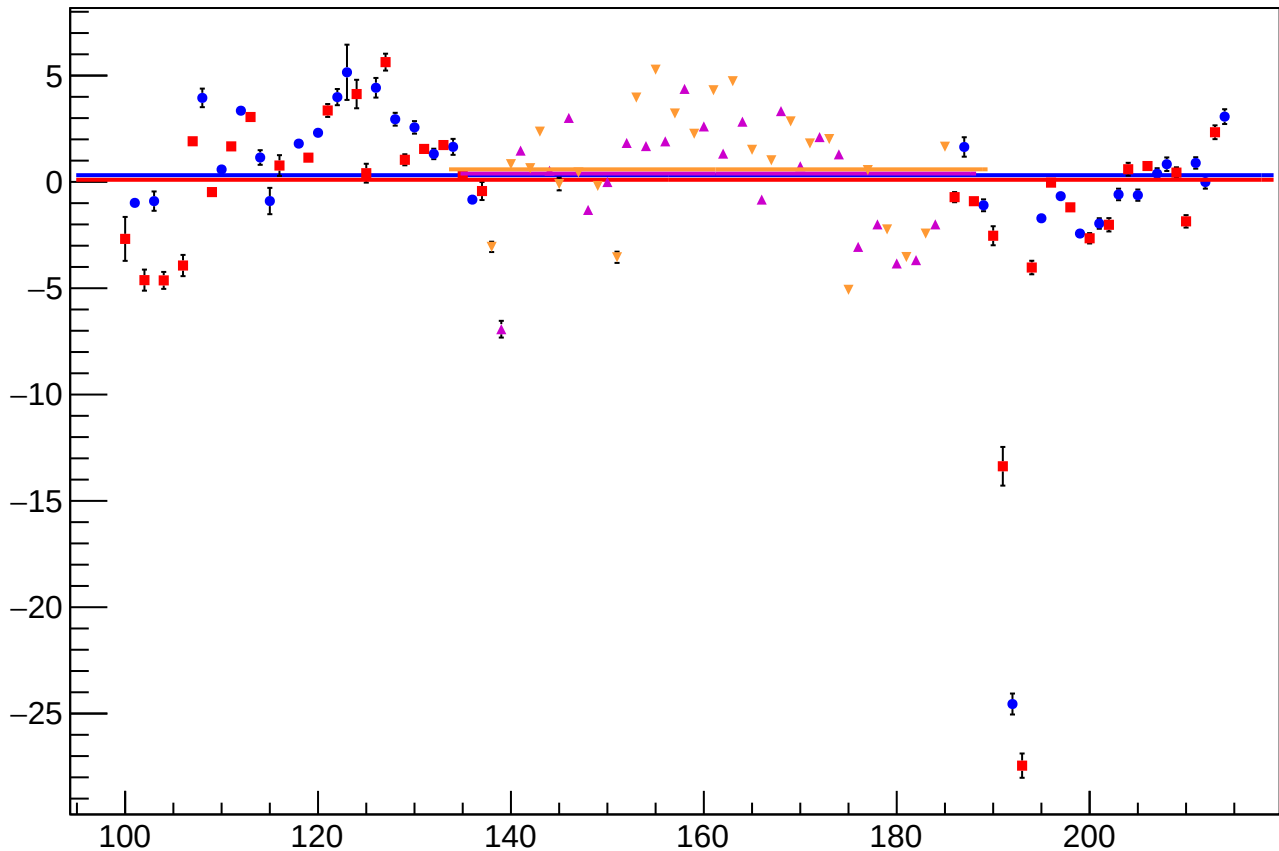
Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

+ sign -9.310 ± 0.032 χ^2/NDF : 251686.6/38

All: -9.047 ± 0.022 χ^2/NDF : 447945.6/76

- sign -8.794 ± 0.031 χ^2/NDF : 196122.3/37

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.315 ± 0.048 χ^2/NDF : 3930.9/30

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.100 ± 0.045 χ^2/NDF : 4306.3/33

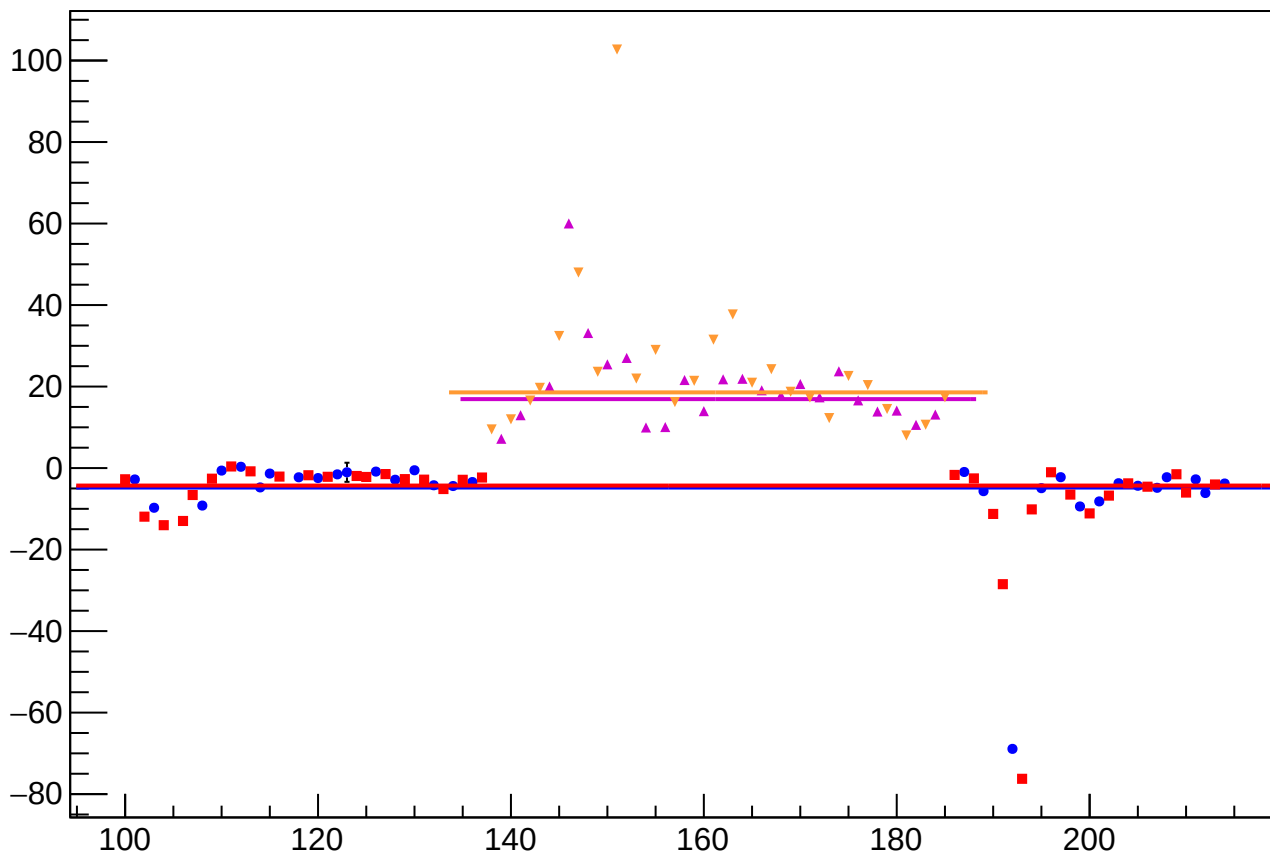
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.500 ± 0.027 χ^2/NDF : 10749.8/55

All: 0.394 ± 0.019 χ^2/NDF : 21173.3/112

- sign 0.297 ± 0.026 χ^2/NDF : 10394.4/56

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -4.775 ± 0.045 $\chi^2/\text{NDF}: 26412.5/30$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.290 ± 0.042 $\chi^2/\text{NDF}: 27292.3/33$

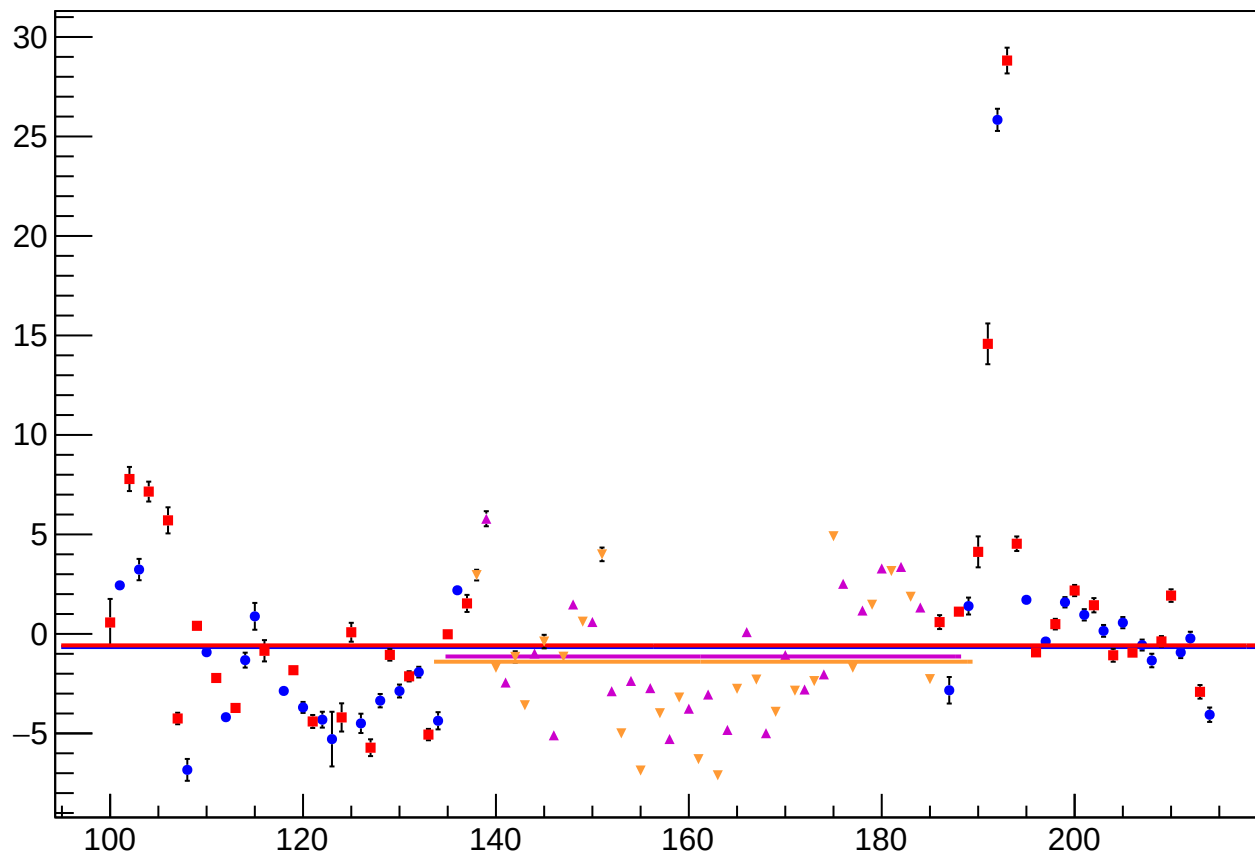
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 8.090 ± 0.030 $\chi^2/\text{NDF}: 253442.0/55$

All: 7.541 ± 0.021 $\chi^2/\text{NDF}: 459886.6/112$

- sign 7.044 ± 0.028 $\chi^2/\text{NDF}: 205802.0/56$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.660 ± 0.055 χ^2/NDF : 3996.4/30

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -0.576 ± 0.053 χ^2/NDF : 4517.5/33

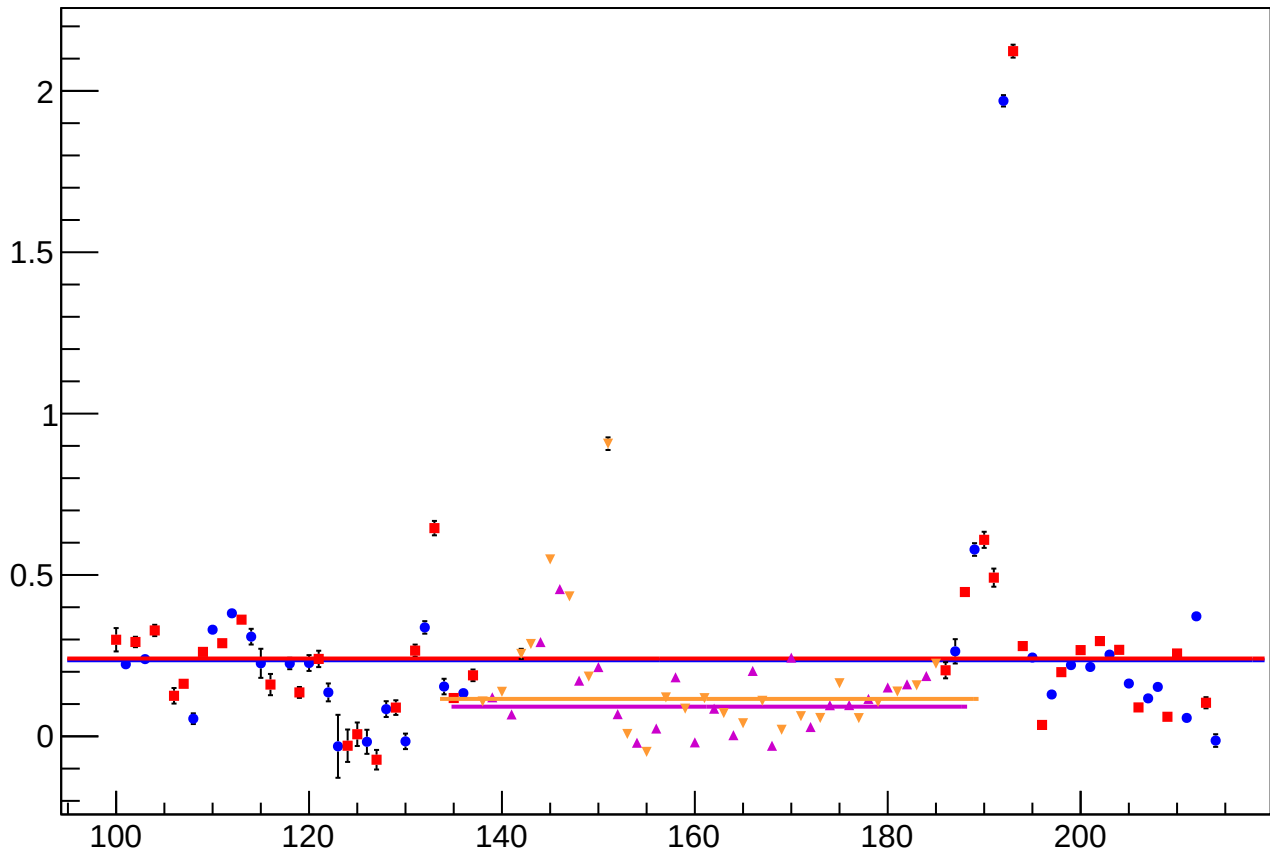
Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

+ sign -1.166 ± 0.031 χ^2/NDF : 11772.7/55

All: -1.059 ± 0.021 χ^2/NDF : 22989.0/112

- sign -0.962 ± 0.029 χ^2/NDF : 11193.1/56

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.236 $\pm$ 0.002 χ^2 /NDF: 11461.7/30

Left Out: 0.116 $\pm$ 0.002 χ^2 /NDF: 4463.0/24

Right Out: 0.241 $\pm$ 0.002 χ^2 /NDF: 11655.0/33

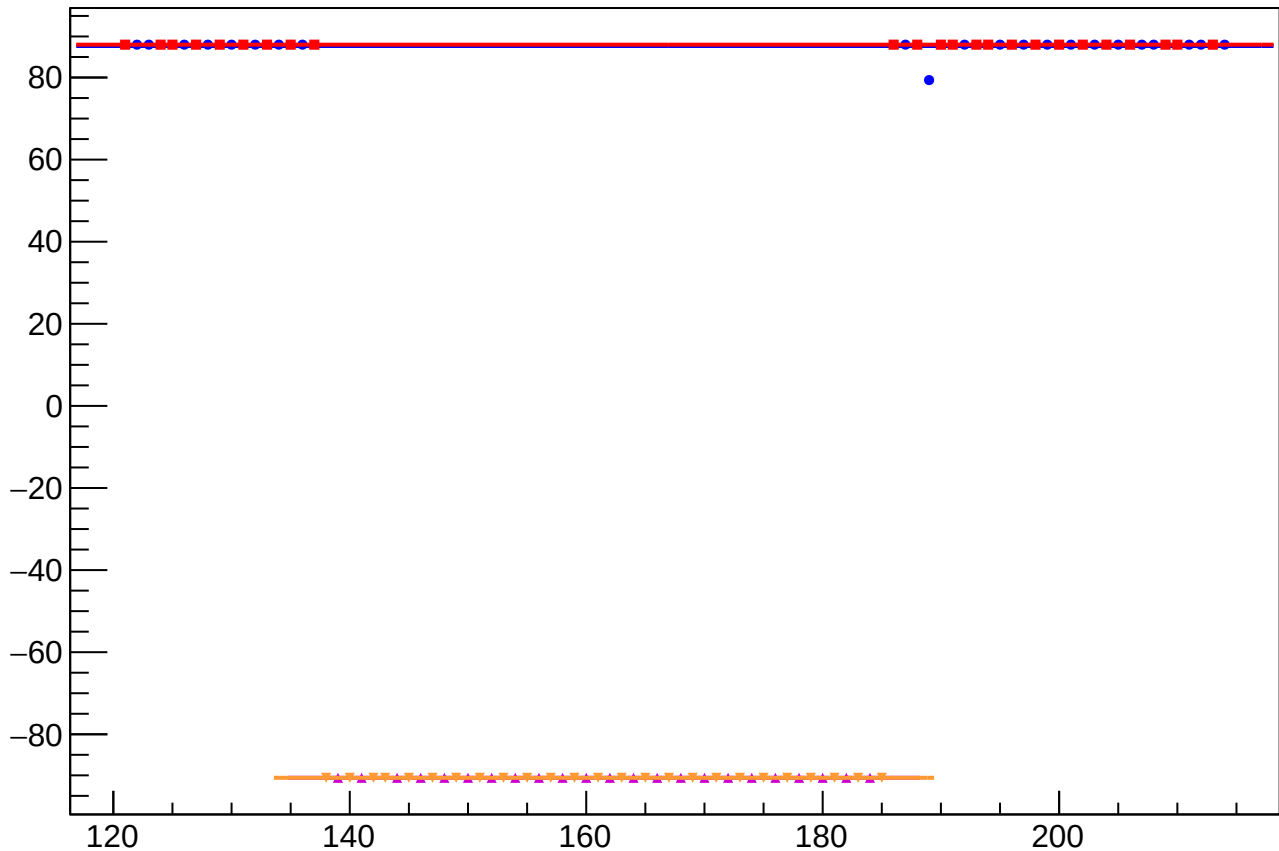
Left In: 0.092 $\pm$ 0.002 χ^2 /NDF: 3631.4/22

+ sign 0.154 $\pm$ 0.001 χ^2 /NDF: 17594.1/55

All: 0.145 $\pm$ 0.001 χ^2 /NDF: 35731.5/112

- sign 0.136 $\pm$ 0.001 χ^2 /NDF: 18051.8/56

VWienAngle_mean vs Slug



Right In: 87.680+/-0.000 χ^2/NDF : 3654822966545791972670707456802816.0/21

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 944310.7/23

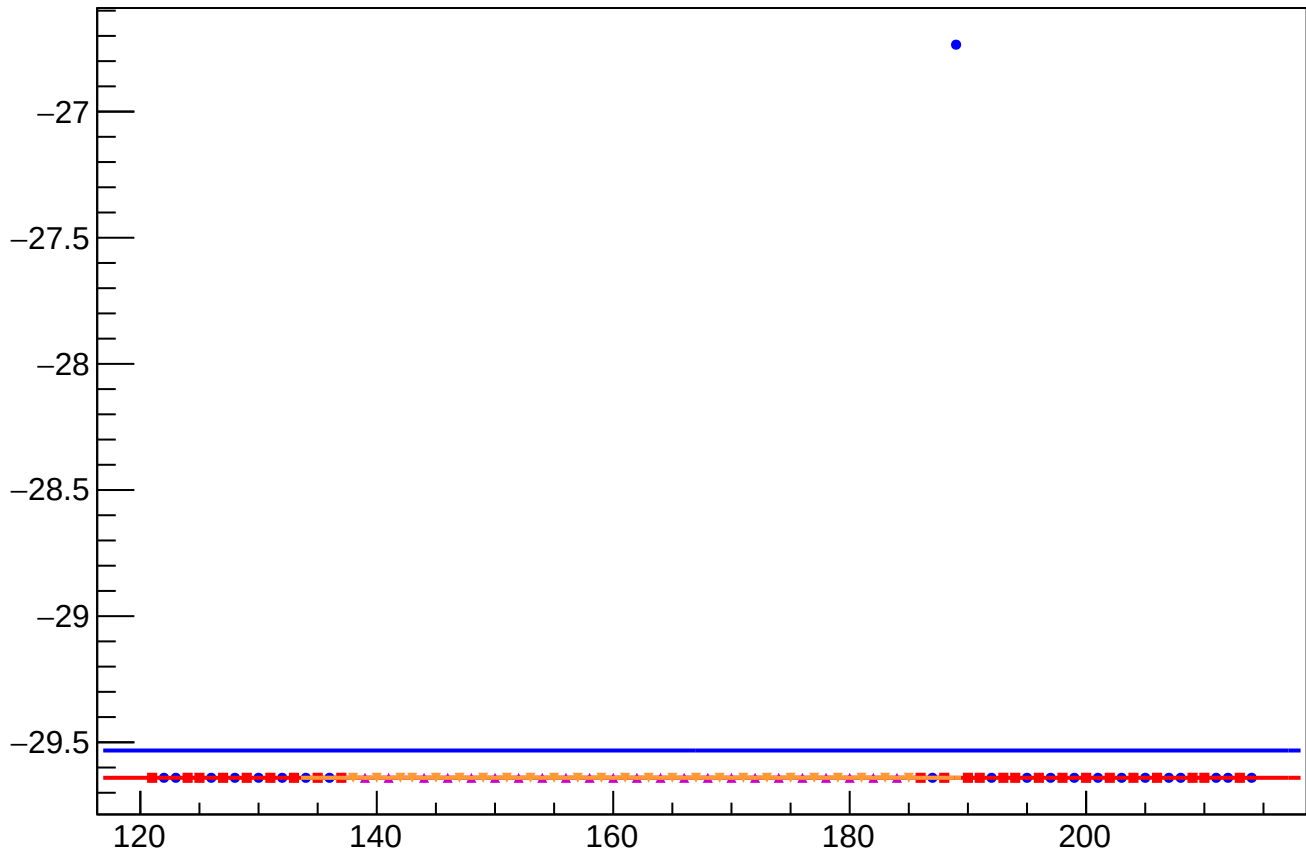
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -16.135+/-0.000 χ^2/NDF : 253595903617653

All: -14.926+/-0.000 χ^2/NDF : 502486354355

- sign -13.679+/-0.000 χ^2/NDF : 2487930575831498

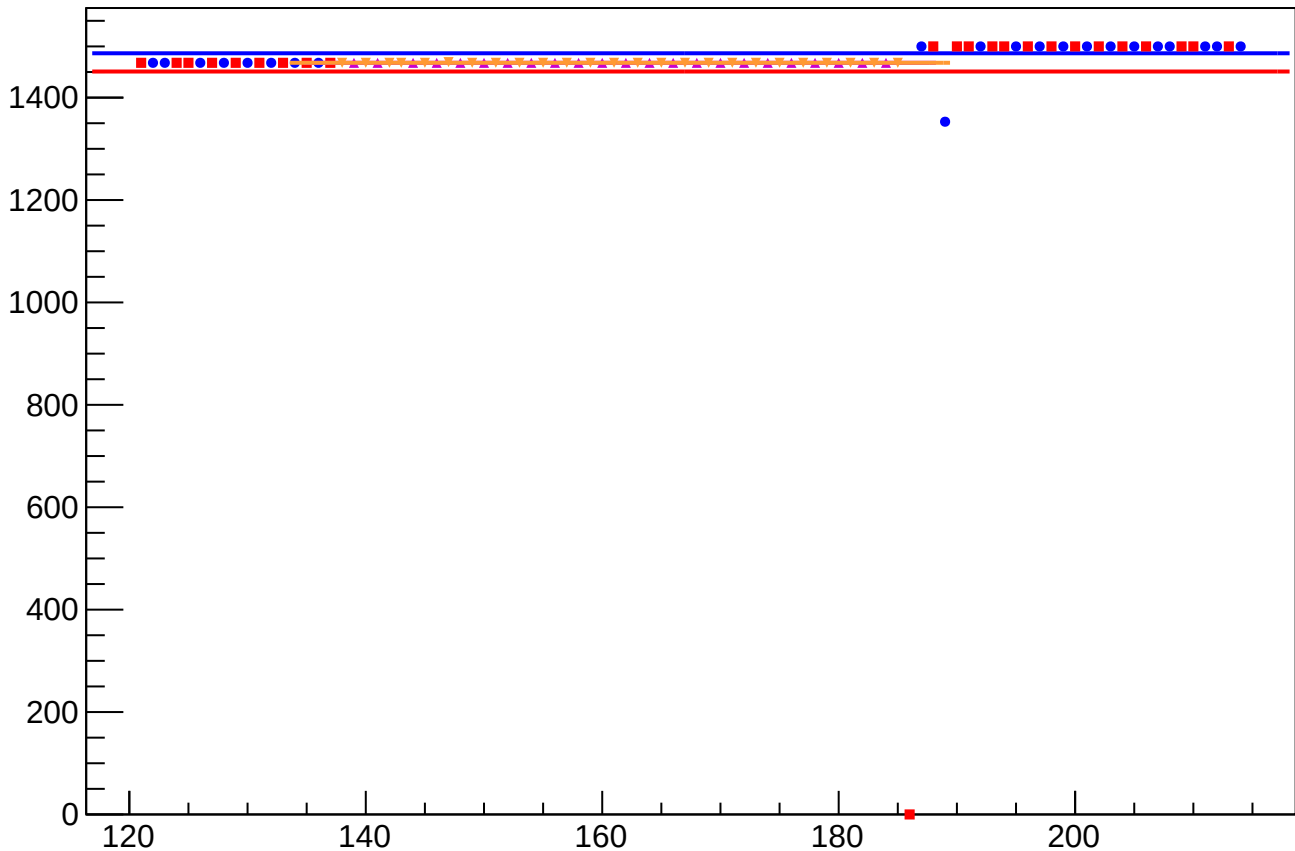
HWienAngle_mean vs Slug



Right In: -29.533+/-0.000 χ^2/NDF : 414639874273941674873077599567872.0/21
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24
Right Out: -29.641+/-0.000 χ^2/NDF : 1572042.0/23
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22

+ sign -29.596+/-0.000 χ^2/NDF : 423975769481188
All: -29.618+/-0.000 χ^2/NDF : 427272679514
- sign -29.641+/-0.000 χ^2/NDF : 2353254.1/46

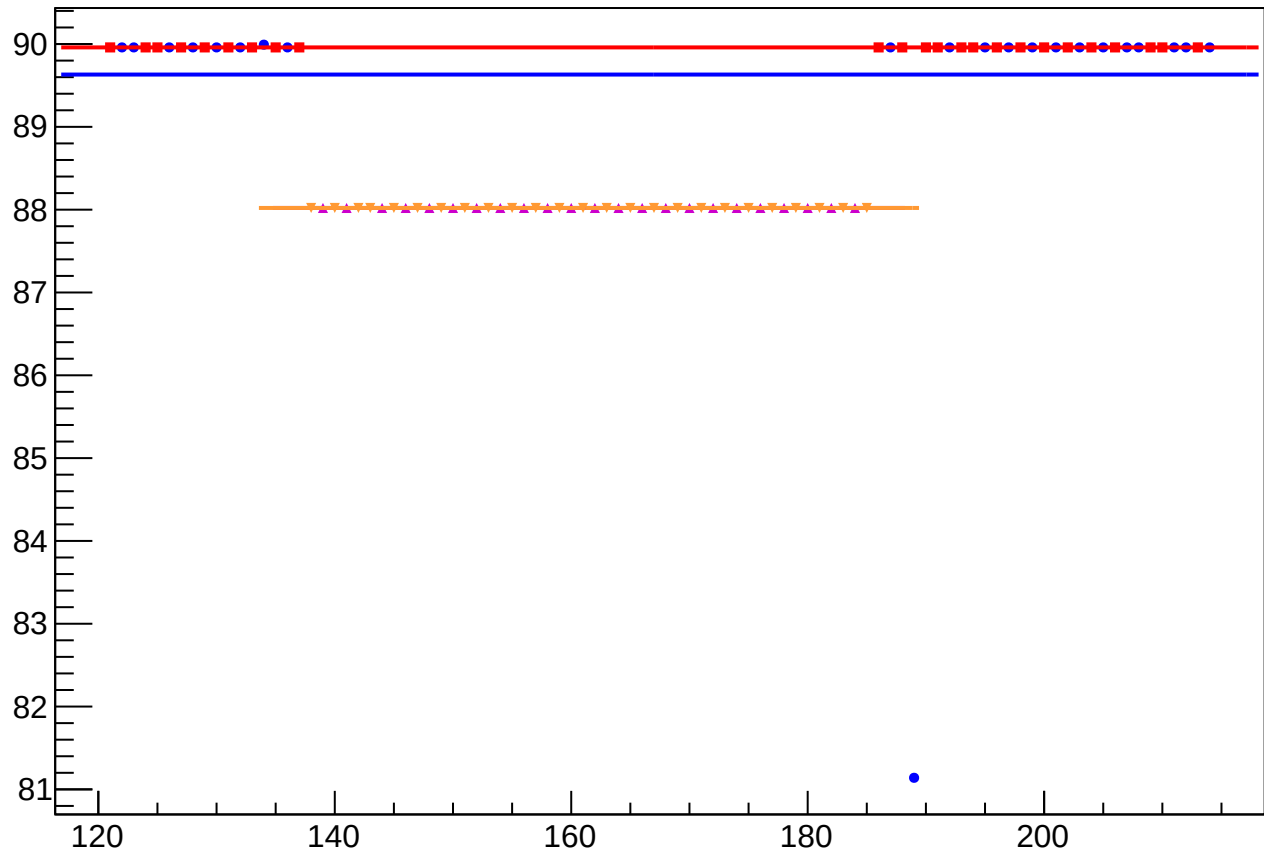
psub_pl_pos_mean vs Slug



Right In: 1486.603+/-0.000 χ^2/NDF : 1204633032959548988199493233880858624.0/21
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127960980922965975039069502046208.0/24
 Right Out: 1450.986+/-0.000 χ^2/NDF : 82532678826421470698971593650609324032.0/23
 Left In: 1467.994+/-0.000 χ^2/NDF : 145848702340275035310993178624.0/22

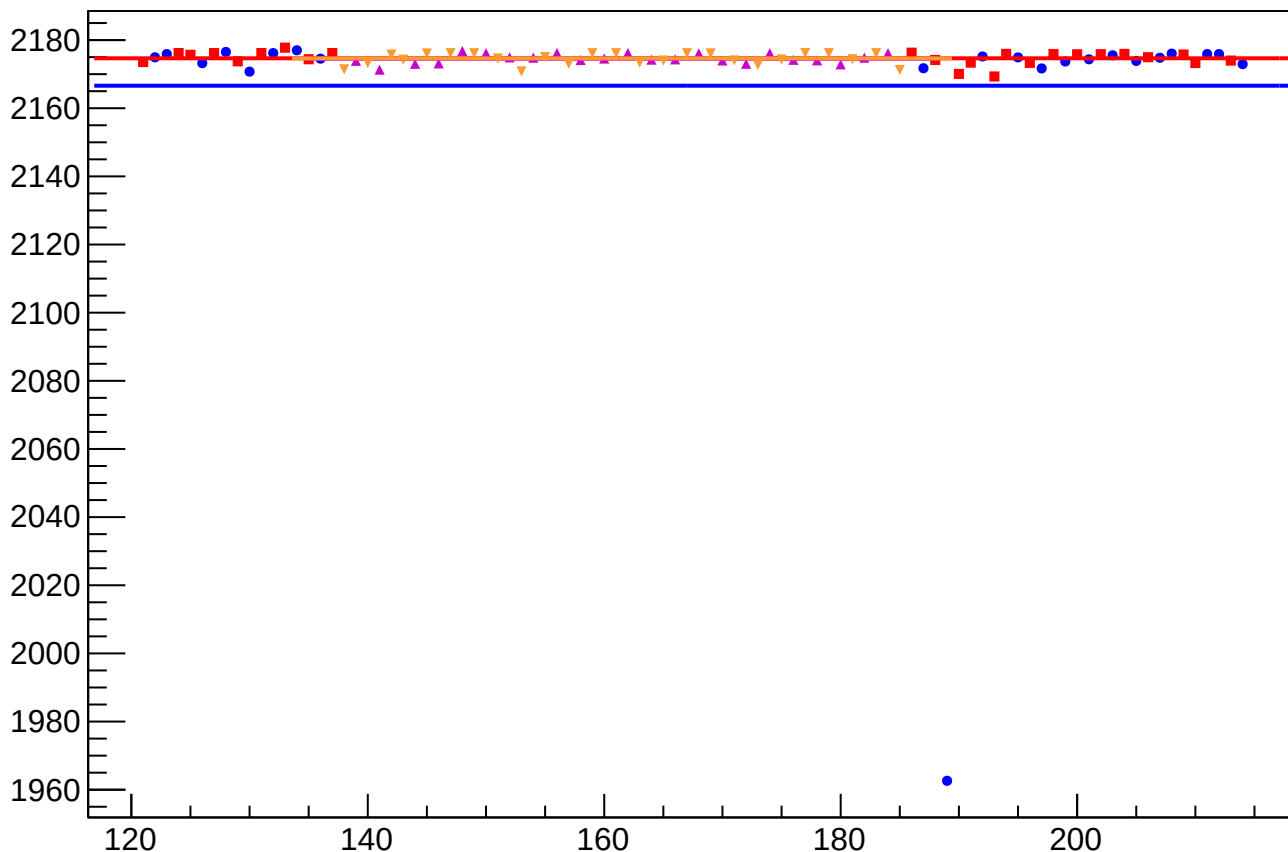
+ sign 1475.798+/-0.000 χ^2/NDF : 14794343358164
 All: 1468.349+/-0.000 χ^2/NDF : 84607371713
 - sign 1460.669+/-0.000 χ^2/NDF : 82758299514139

Phi_FG_mean vs Slug



Right In: 89.631+/-0.000	χ^2/NDF : 3819799354044383293849966456340480.0/21	+ sign 88.693+/-0.000	χ^2/NDF : 5889718997924849
Left Out: 88.021+/-0.000	χ^2/NDF : 5326388.8/24	All: 88.773+/-0.000	χ^2/NDF : 8863387097349
Right Out: 89.959+/-0.000	χ^2/NDF : 4131864.1/23	- sign 88.856+/-0.000	χ^2/NDF : 2931223709596259
Left In: 88.021+/-0.000	χ^2/NDF : 6084099.2/22		

HALLA_p_mean vs Slug



Right In: 2166.613 $\pm$ 0.000 χ^2 /NDF: 2207335815442316854406097483511889920.0/21

Left Out: 2174.622 $\pm$ 0.000 χ^2 /NDF: 5110578135476093110874911595823104.0/24

Right Out: 2174.652 $\pm$ 0.000 χ^2 /NDF: 4869035444551815173204287437144064.0/23

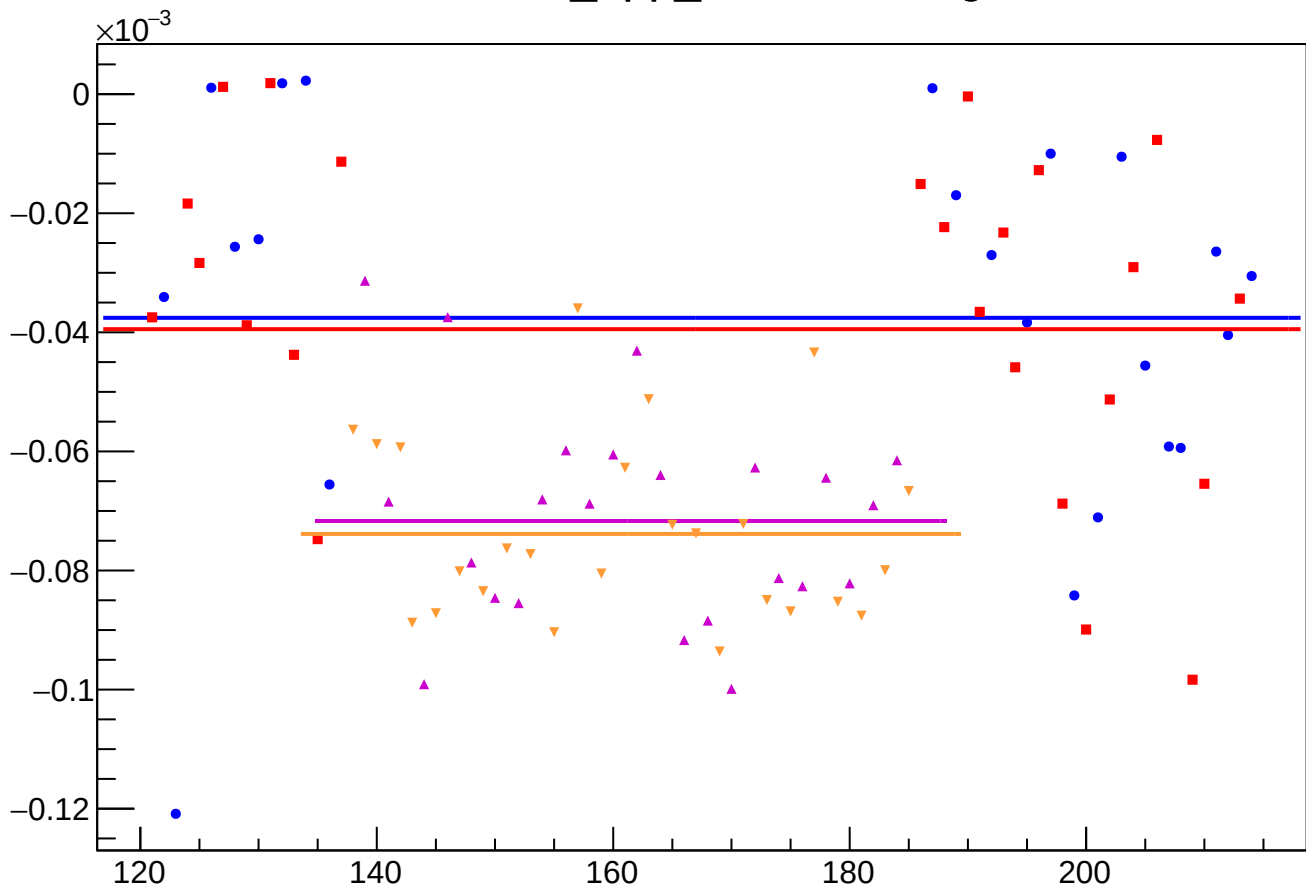
Left In: 2174.539 $\pm$ 0.000 χ^2 /NDF: 3400742562425168967494665391570944.0/22

+ sign 2171.277 $\pm$ 0.000 χ^2 /NDF: 22636175623112

All: 2172.907 $\pm$ 0.000 χ^2 /NDF: 2289600305

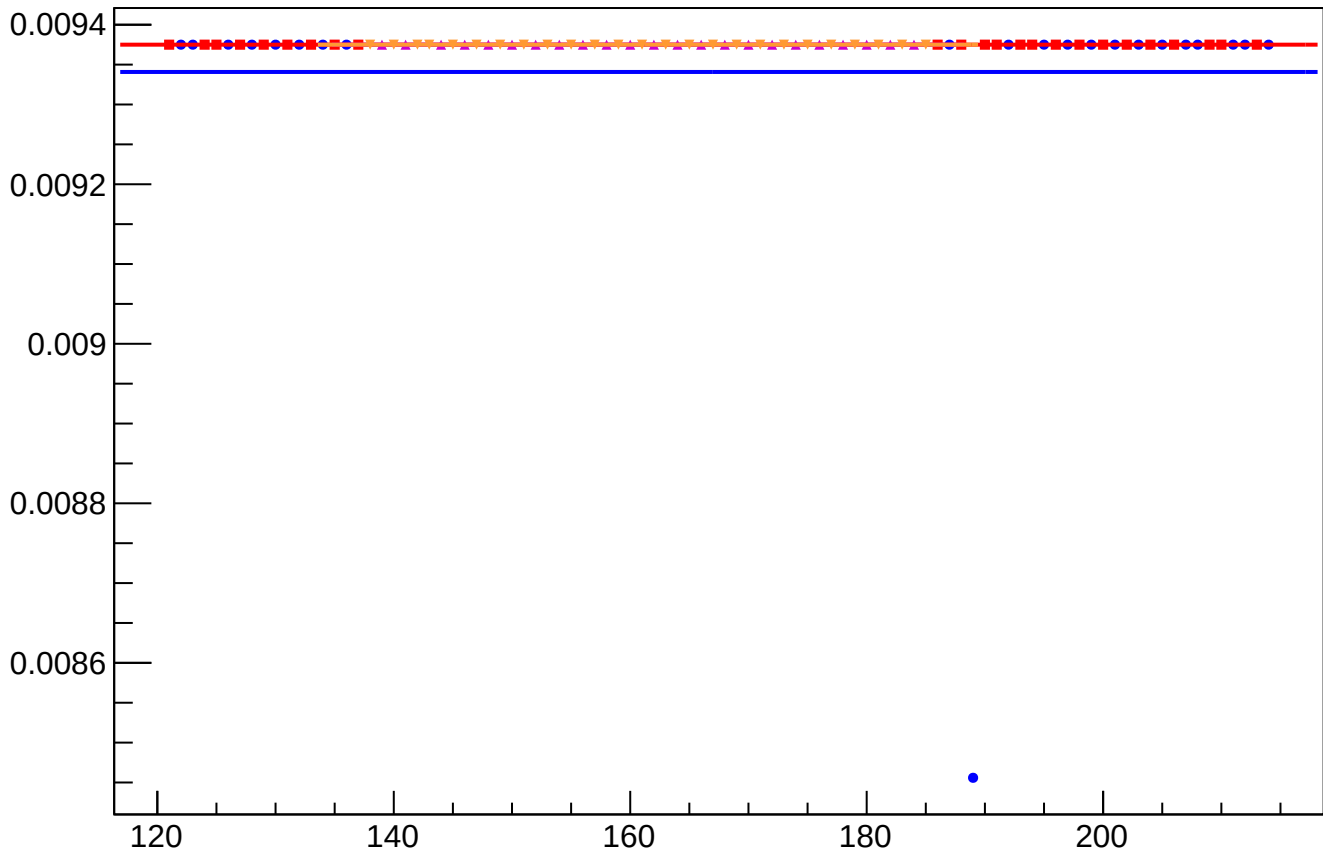
- sign 2174.588 $\pm$ 0.000 χ^2 /NDF: 82797943749076

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000	χ^2/NDF : 816003635504792932974592.0/21	+ sign -0.000+/-0.000	χ^2/NDF : 2317414717564697
Left Out: -0.000+/-0.000	χ^2/NDF : 450400934180541069000704.0/24	All: -0.000+/-0.000	χ^2/NDF : 4808200995602
Right Out: -0.000+/-0.000	χ^2/NDF : 1118106833494739563577344.0/23	- sign -0.000+/-0.000	χ^2/NDF : 2489509142970553
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 : 41479796183983467597398016.0/21

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/23

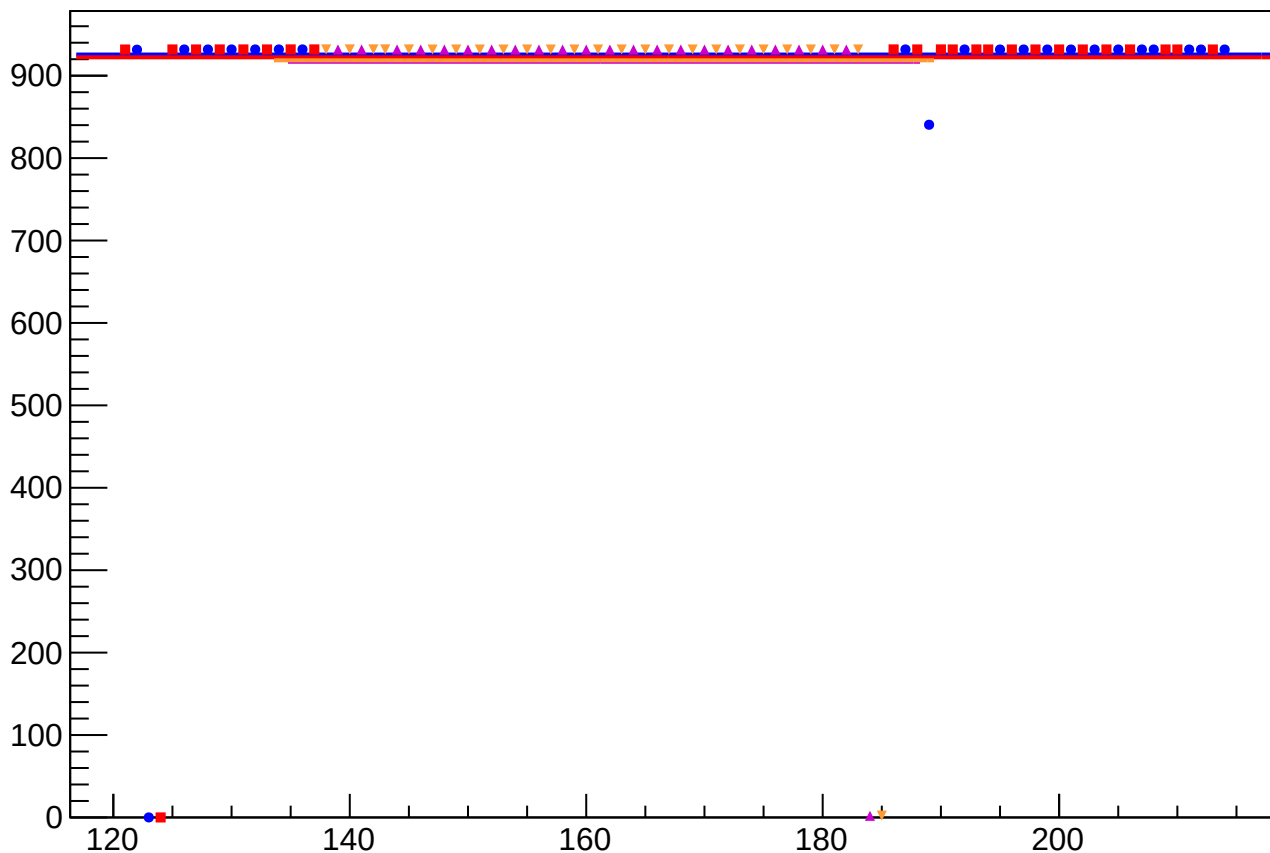
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42413741649478700

All: 0.009+/-0.000 χ^2/NDF : 42743558352375

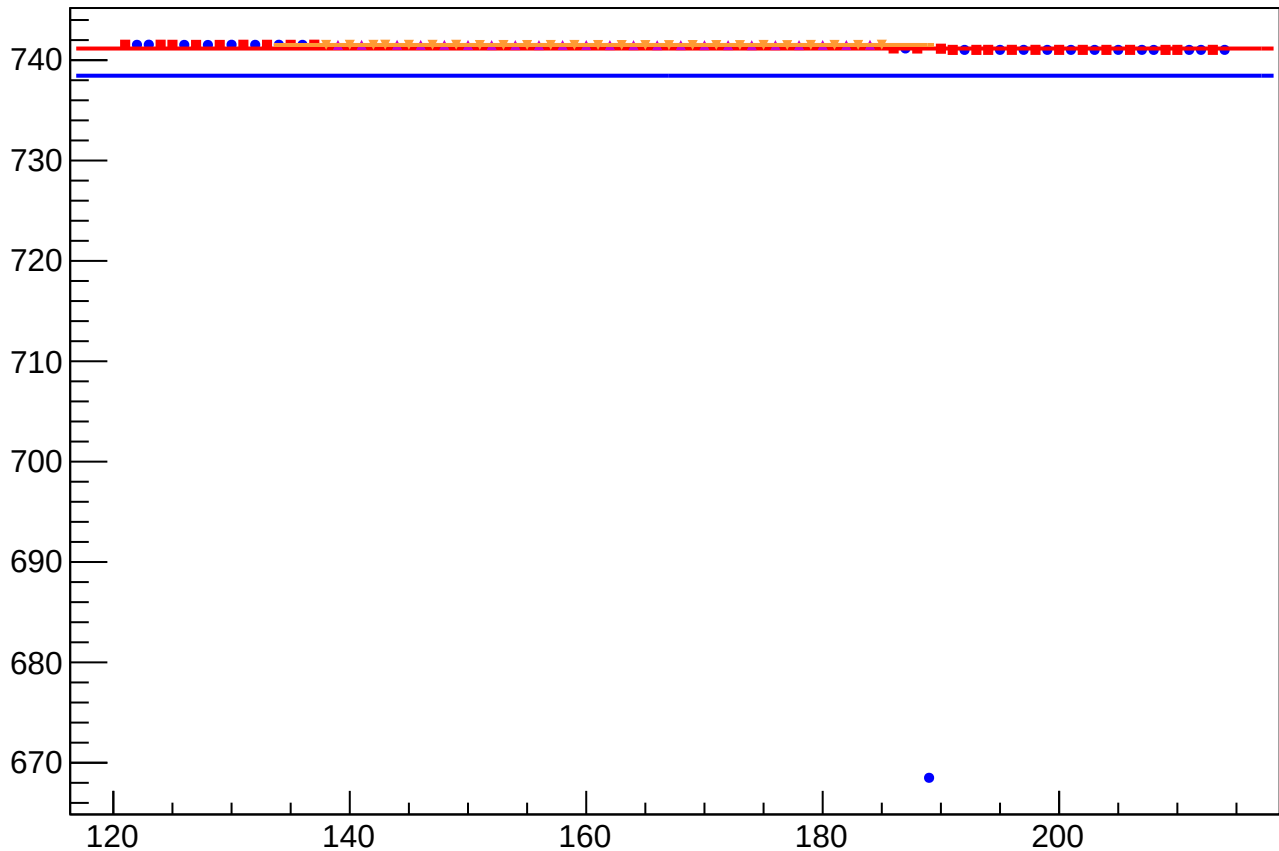
- sign 0.009+/-0.000 χ^2/NDF : 0.2/46

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 925.666+/-0.000 χ^2/NDF : 3846418709847132921368092326401933312.0/21
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 922.274+/-0.000 χ^2/NDF : 12030360361719133082199596576519749632.0/23
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

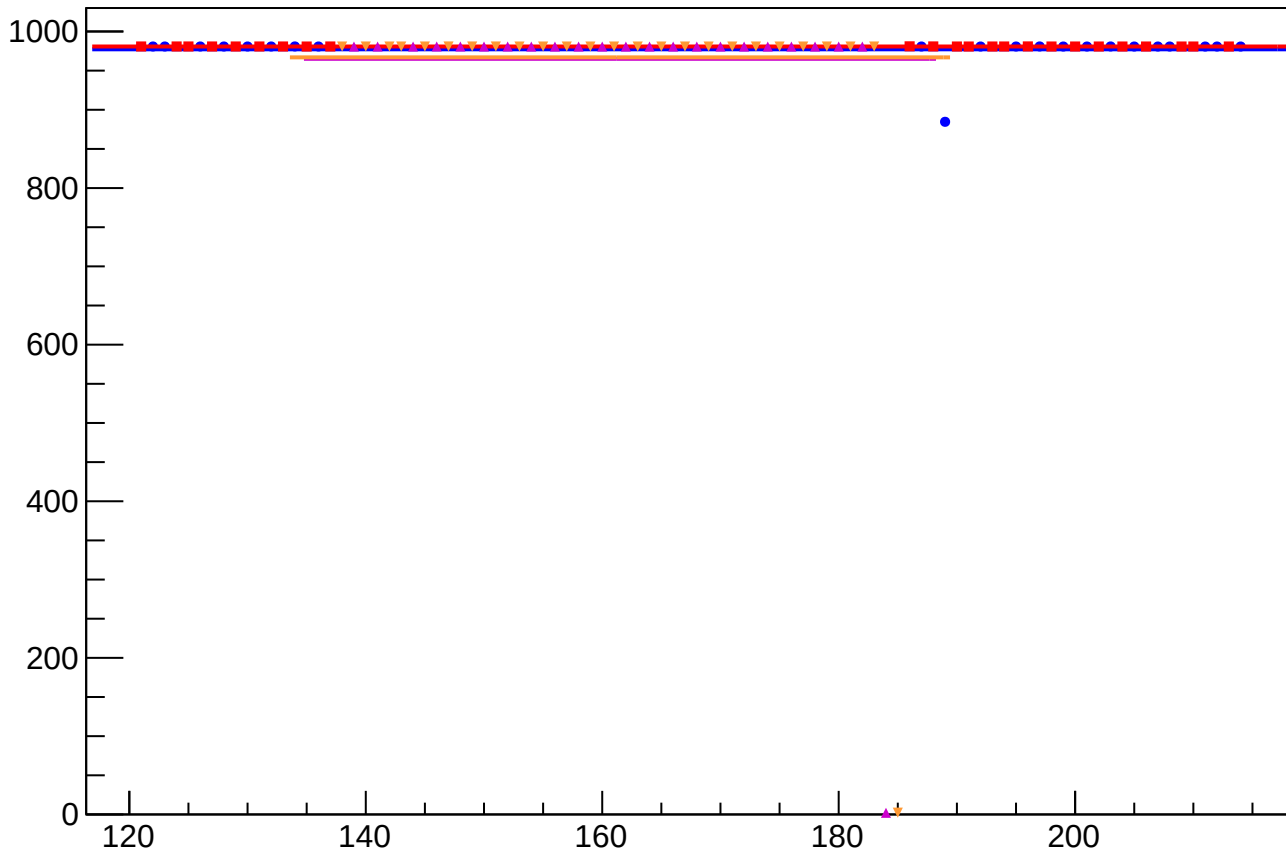
HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 738.451+/-0.000 χ^2/NDF : 259260742307806371047831100782018560.0/21
Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24
Right Out: 741.159+/-0.000 χ^2/NDF : 58943931632253003628767875170304.0/23
Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

+ sign 740.234+/-0.000 χ^2/NDF : 266738208008715
All: 740.788+/-0.000 χ^2/NDF : 26894185734
- sign 741.360+/-0.000 χ^2/NDF : 156656664443038

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.229+/-0.000 χ^2/NDF : 454118226778400207203684435397443584.0/21

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.817+/-0.000 χ^2/NDF : 3501711074171675207762324750336.0/23

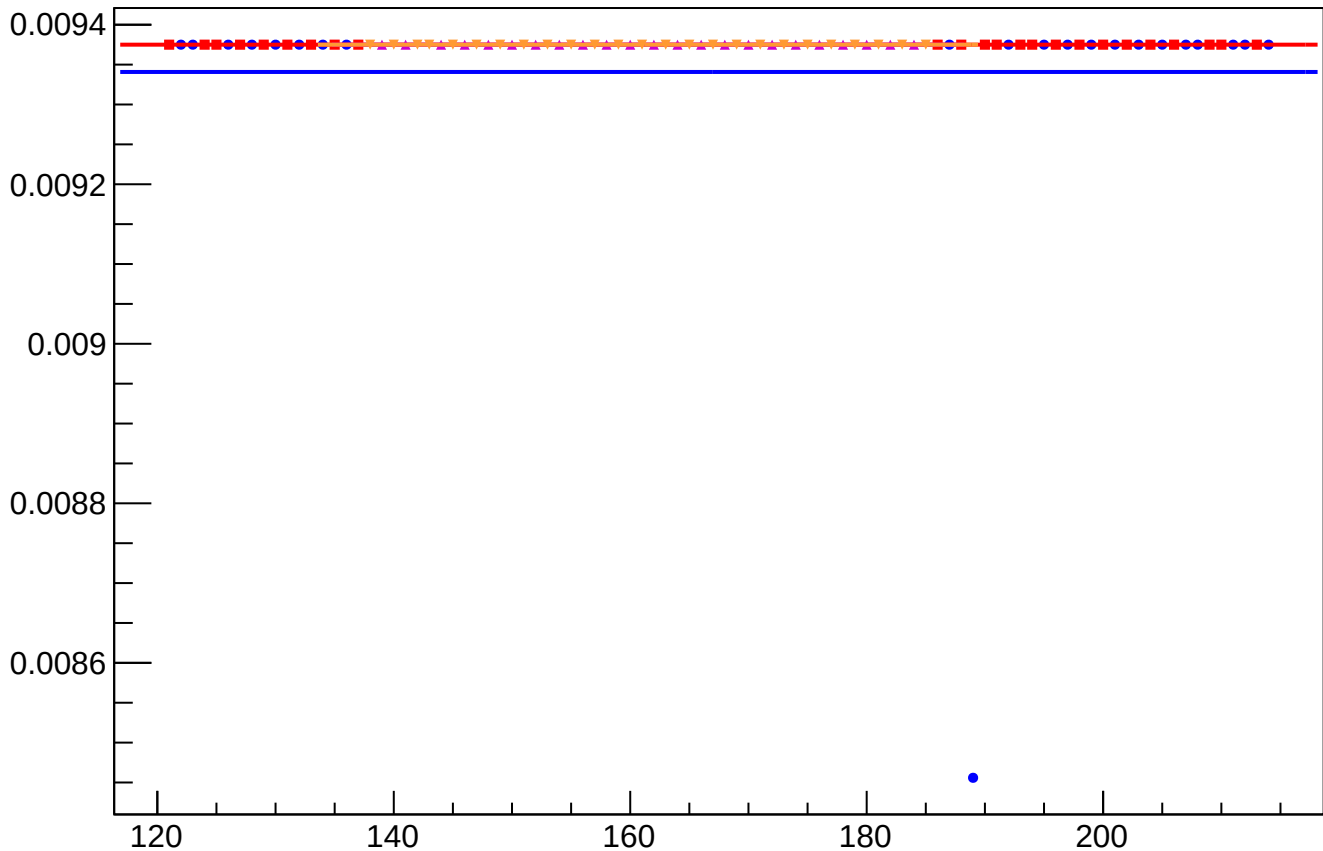
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

All: 971.548+/-0.000 χ^2/NDF : 535478173423

+ sign 971.235+/-0.000 χ^2/NDF : 260242236279326

- sign 971.870+/-0.000 χ^2/NDF : 275229427410621

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41479796183983467597398016.0/21

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/23

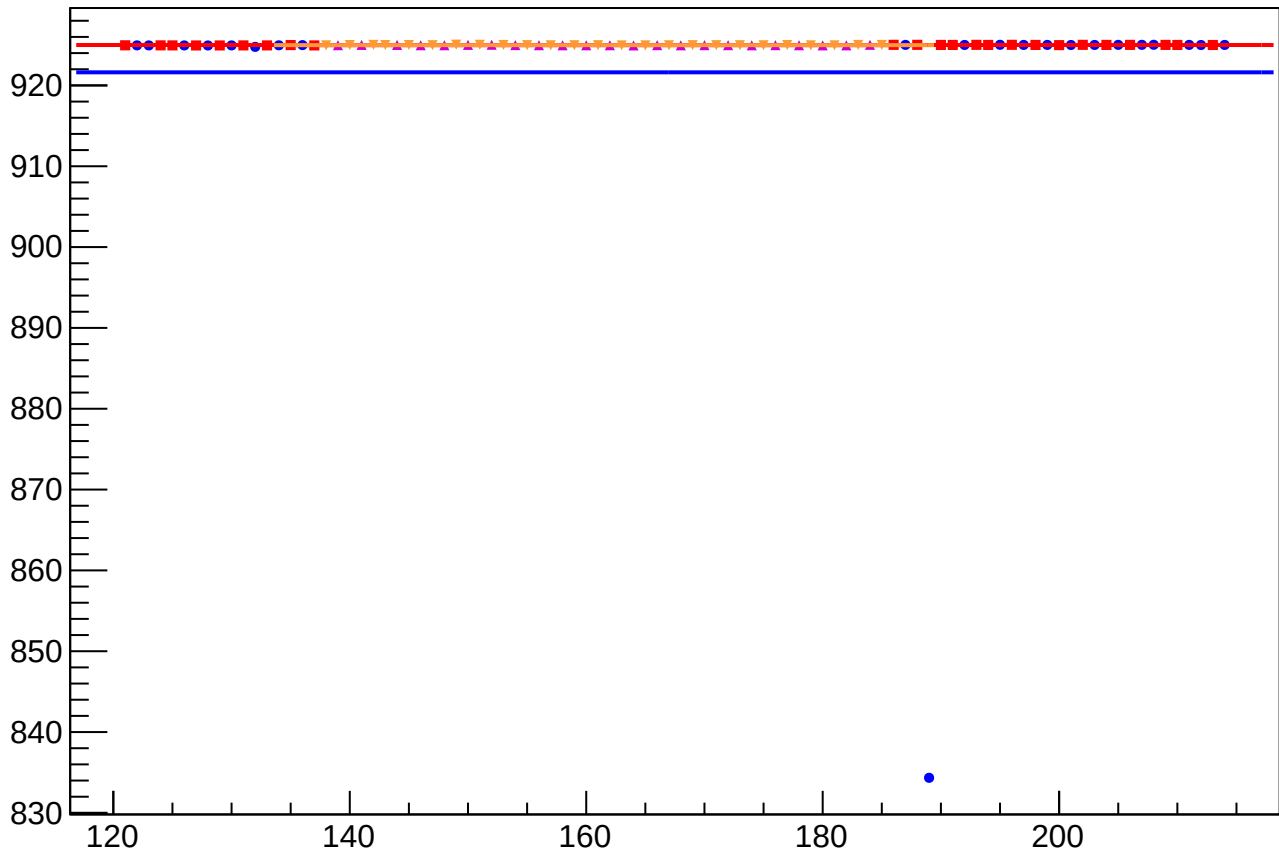
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42413741649478700

All: 0.009+/-0.000 χ^2/NDF : 42743558352375

- sign 0.009+/-0.000 χ^2/NDF : 0.2/46

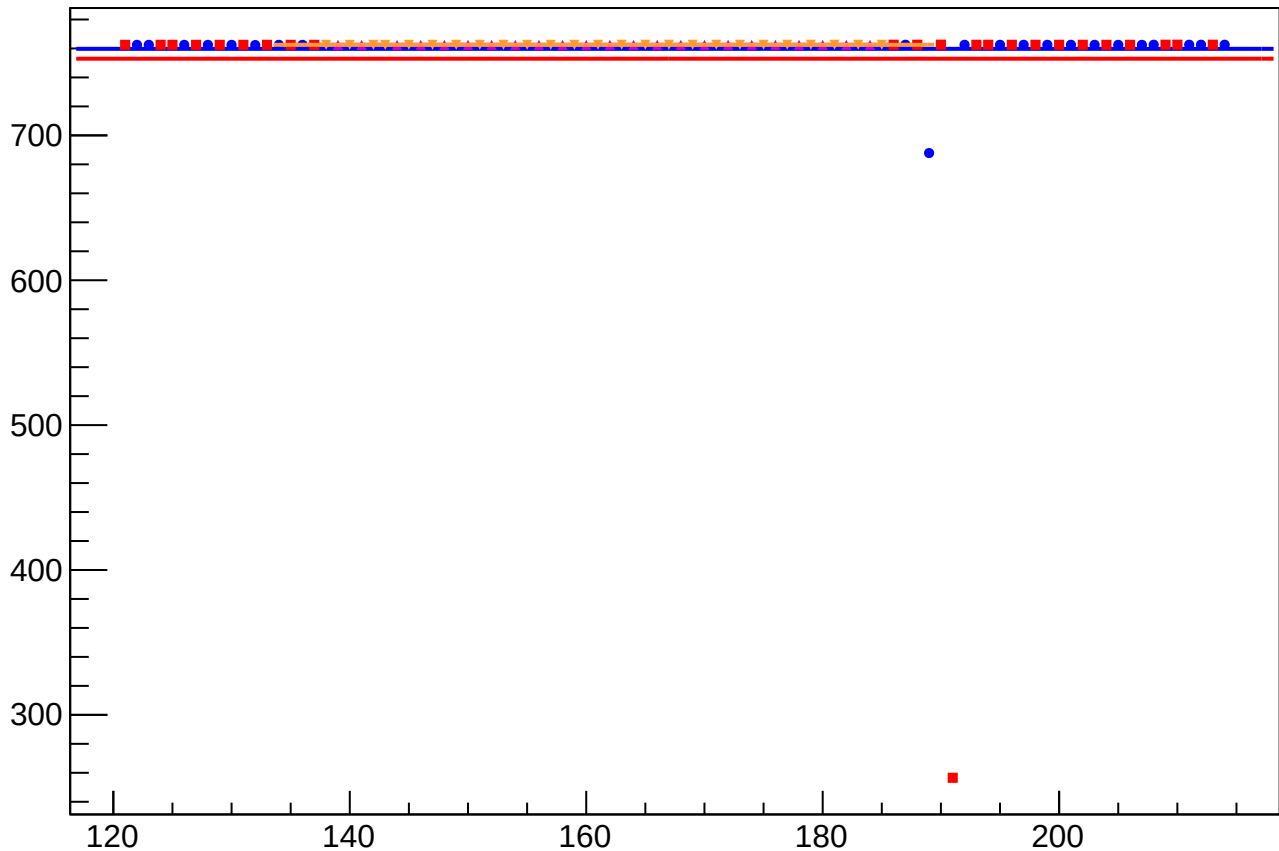
HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 921.620+/-0.000 χ^2/NDF : 403521331405597040609868673309474816.0/21
Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24
Right Out: 924.999+/-0.000 χ^2/NDF : 887299357447741680844351209472.0/23
Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22

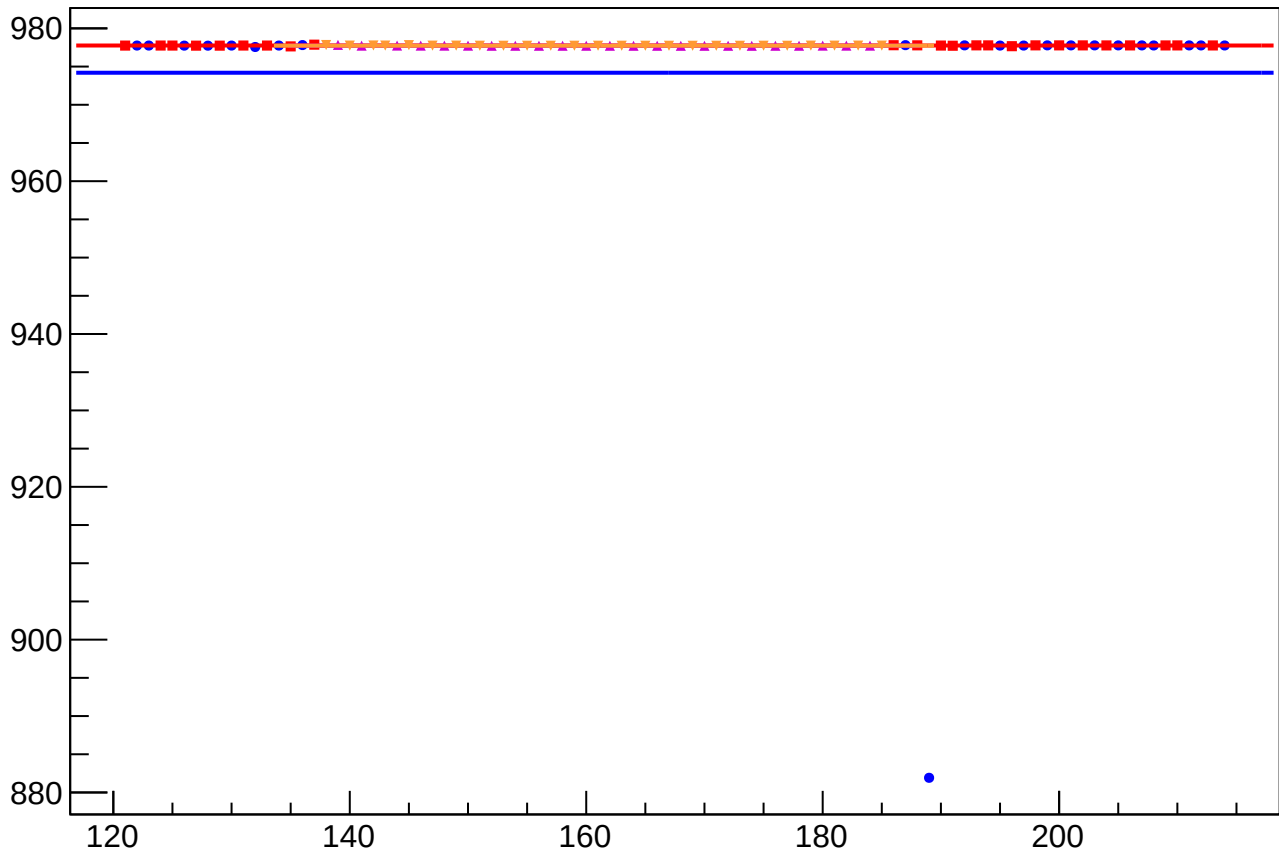
+ sign 923.578+/-0.000 χ^2/NDF : 412544961967296
All: 924.273+/-0.000 χ^2/NDF : 41576526206
- sign 924.990+/-0.000 χ^2/NDF : 196775081354975

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 759.744+/-0.000 χ^2/NDF : 274093326905515546647989873295753216.0/21
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 752.933+/-0.000 χ^2/NDF : 6530215535864048243498307768161402880.0/23
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 759.898+/-0.000 χ^2/NDF : 689635078277
 + sign 761.360+/-0.000 χ^2/NDF : 280234669200537
 - sign 758.391+/-0.000 χ^2/NDF : 660188276226511

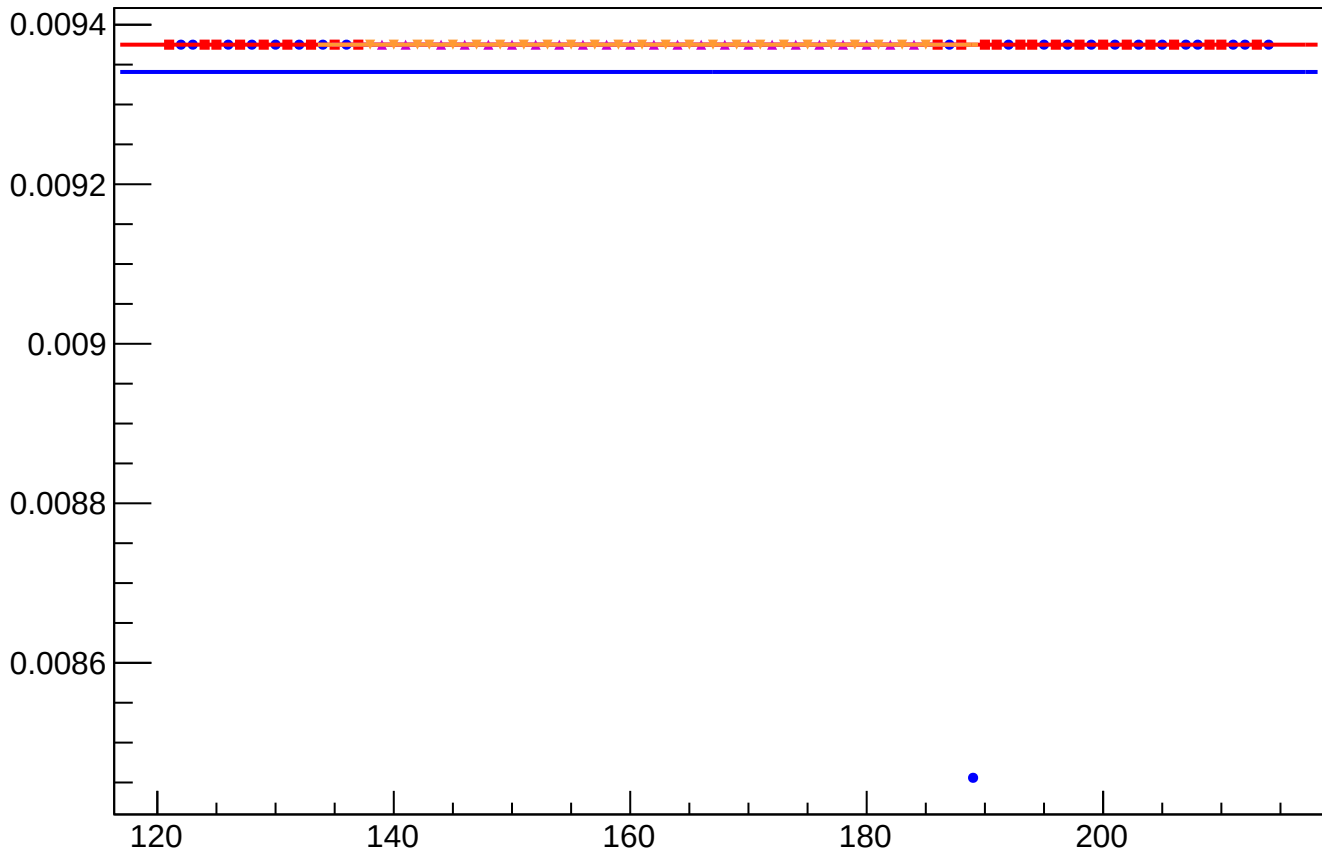
HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 974.192 $\pm$ 0.000 χ^2 /NDF: 451017445734032997566630268443295744.0/21
Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24
Right Out: 977.756 $\pm$ 0.000 χ^2 /NDF: 1850371035992917768149776990208.0/23
Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22

+ sign 976.257 $\pm$ 0.000 χ^2 /NDF: 461045866667719
All: 976.989 $\pm$ 0.000 χ^2 /NDF: 46462100183
- sign 977.744 $\pm$ 0.000 χ^2 /NDF: 319299445875132

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41479796183983467597398016.0/21

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/23

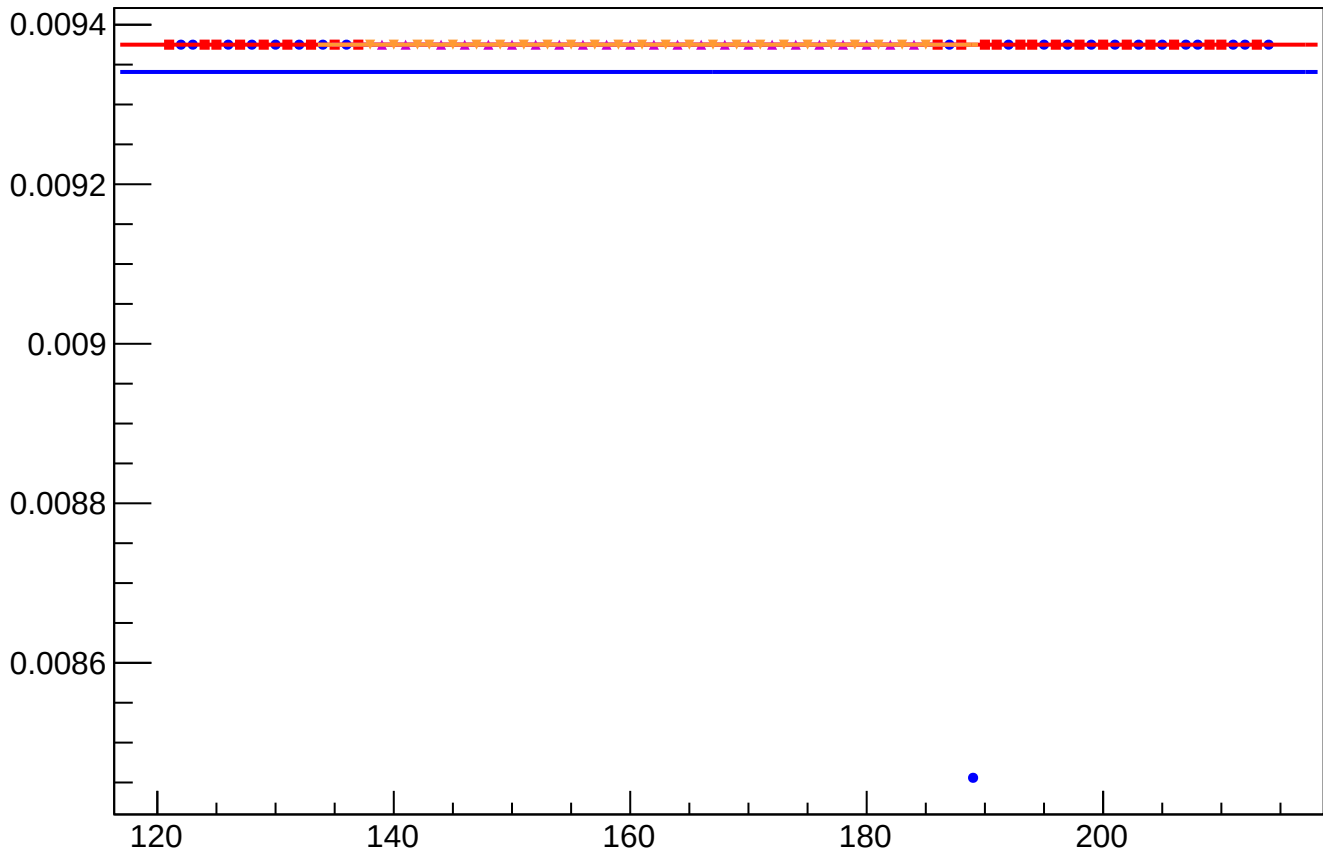
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42413741649478700

All: 0.009+/-0.000 χ^2/NDF : 42743558352375

- sign 0.009+/-0.000 χ^2/NDF : 0.2/46

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41479796183983467597398016.0/21

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/23

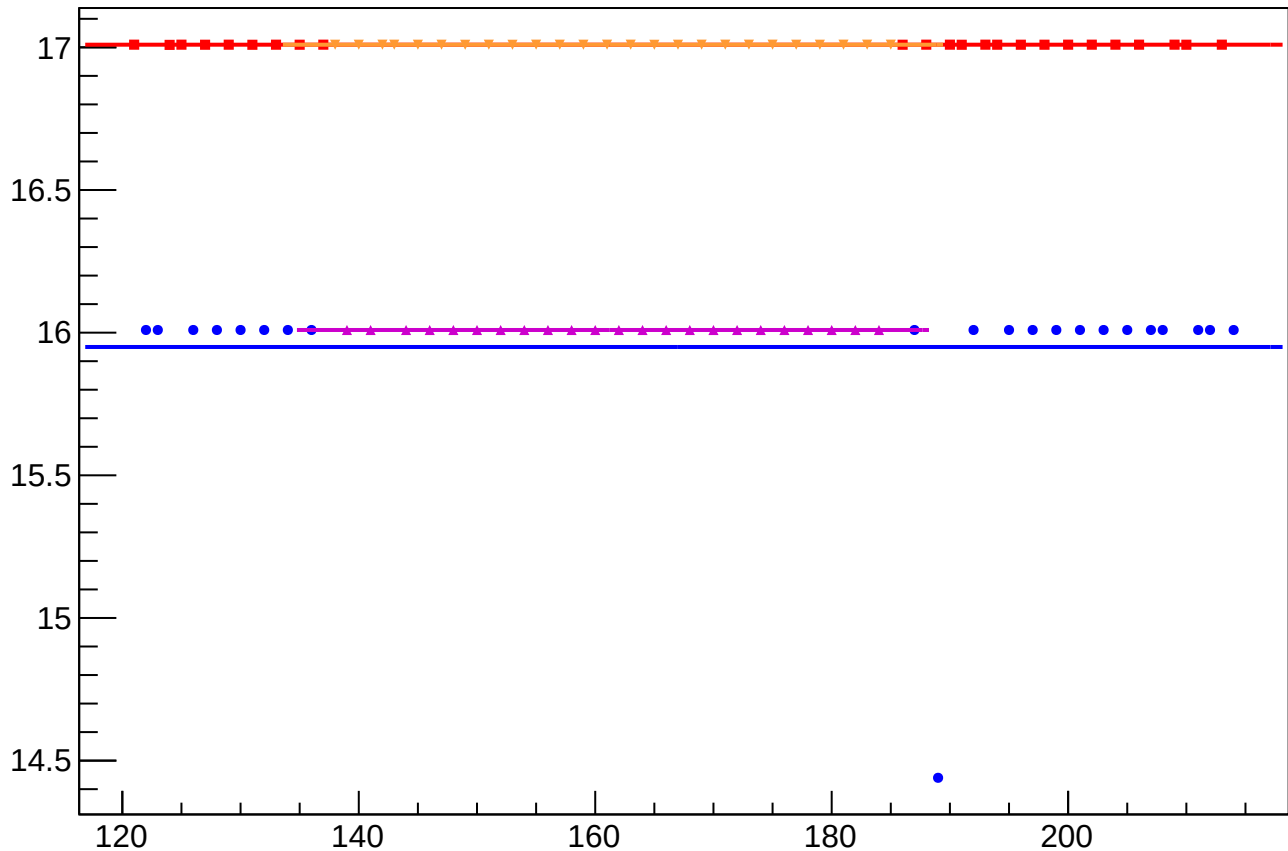
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42413741649478700

All: 0.009+/-0.000 χ^2/NDF : 42743558352375

- sign 0.009+/-0.000 χ^2/NDF : 0.2/46

IGL1I00DI24_24M_mean vs Slug



Right In: 15.950 $\pm$ 0.000 χ^2 /NDF: 120868509209626192130157288882176.0/21

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26284444608576238643052544.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 17249027800232680683995136.0/23

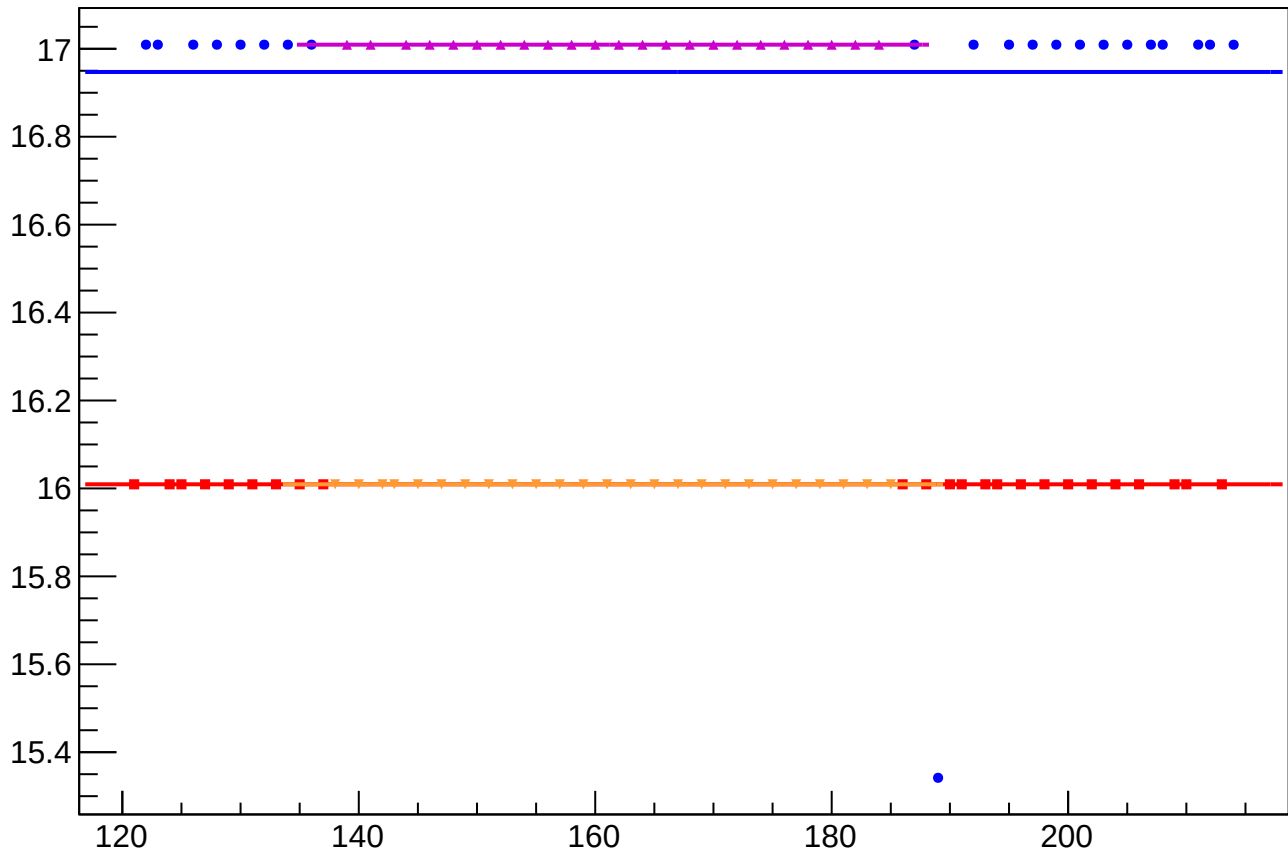
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127973174512756677672960.0/22

+ sign 16.553 $\pm$ 0.000 χ^2 /NDF: 9793866637706997

All: 16.505 $\pm$ 0.000 χ^2 /NDF: 1744258273059

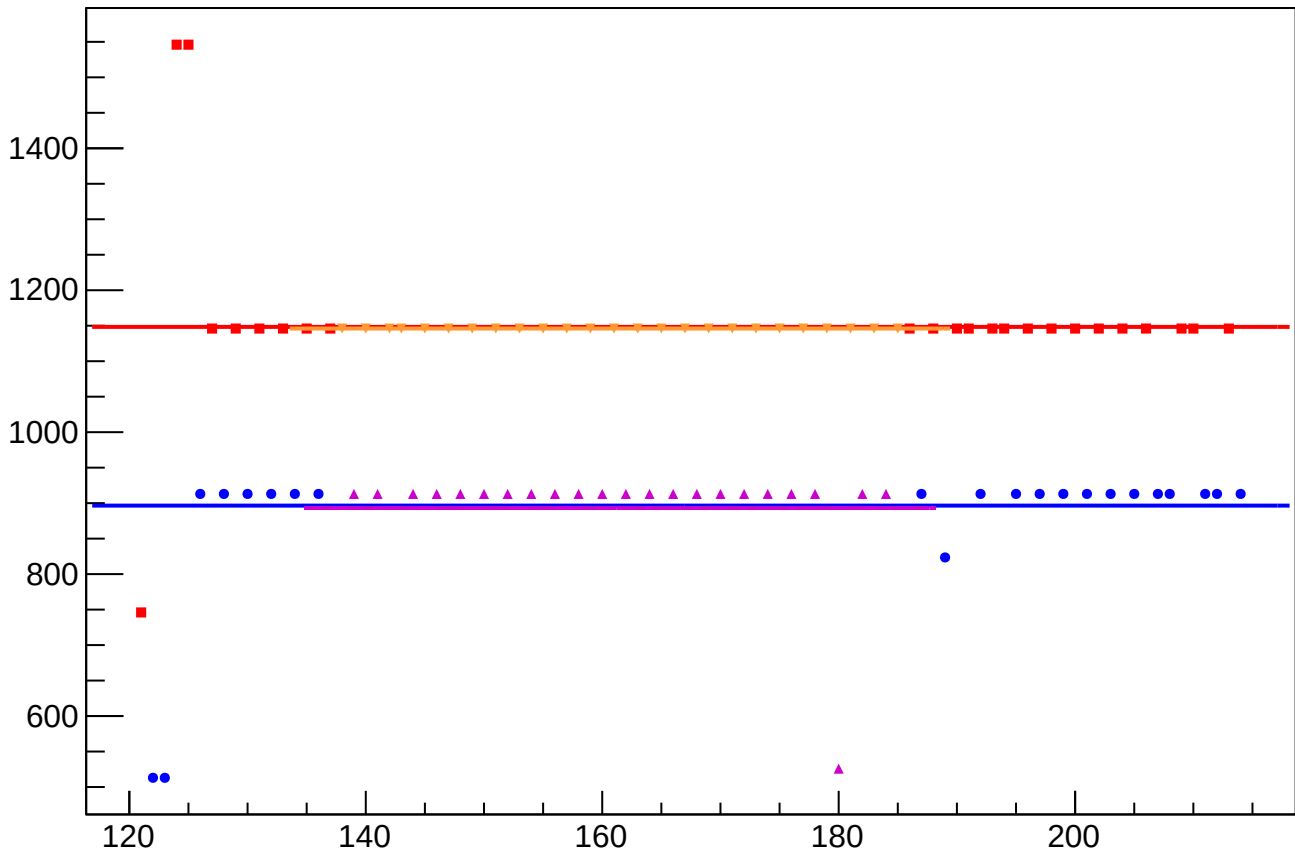
- sign 16.455 $\pm$ 0.000 χ^2 /NDF: 7502248571451404

IGL1I00OD16_16_mean vs Slug



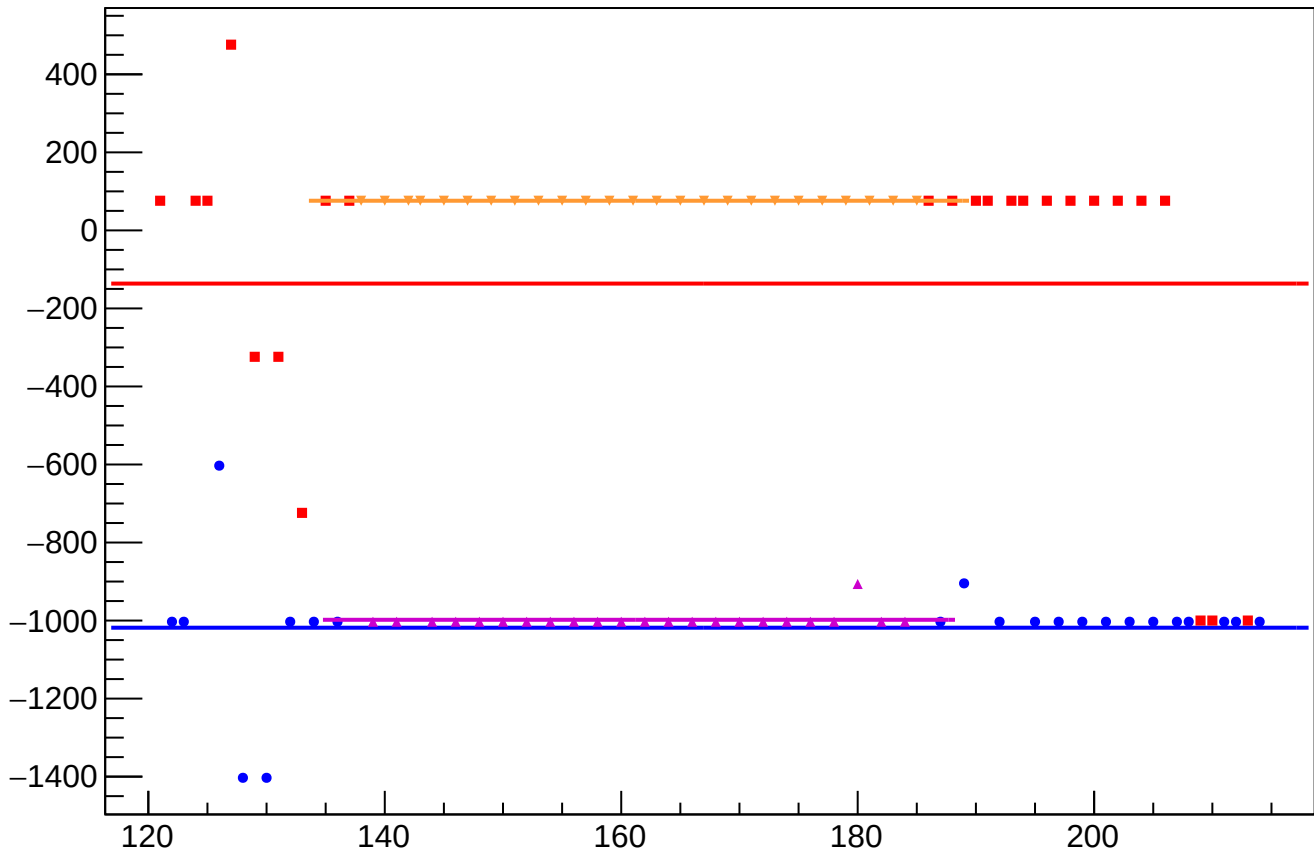
Right In: 16.947+/-0.000 χ^2/NDF : 136542061782301352303667152158720.0/21
 Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24 + sign 16.404+/-0.000 χ^2/NDF : 8346199814812876
 Right Out: 16.009+/-0.000 χ^2/NDF : 249242.2/23 All: 16.487+/-0.000 χ^2/NDF : 1651469990181
 Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22 - sign 16.573+/-0.000 χ^2/NDF : 7714959942181707

RTPAPOSUCNT_mean vs Slug



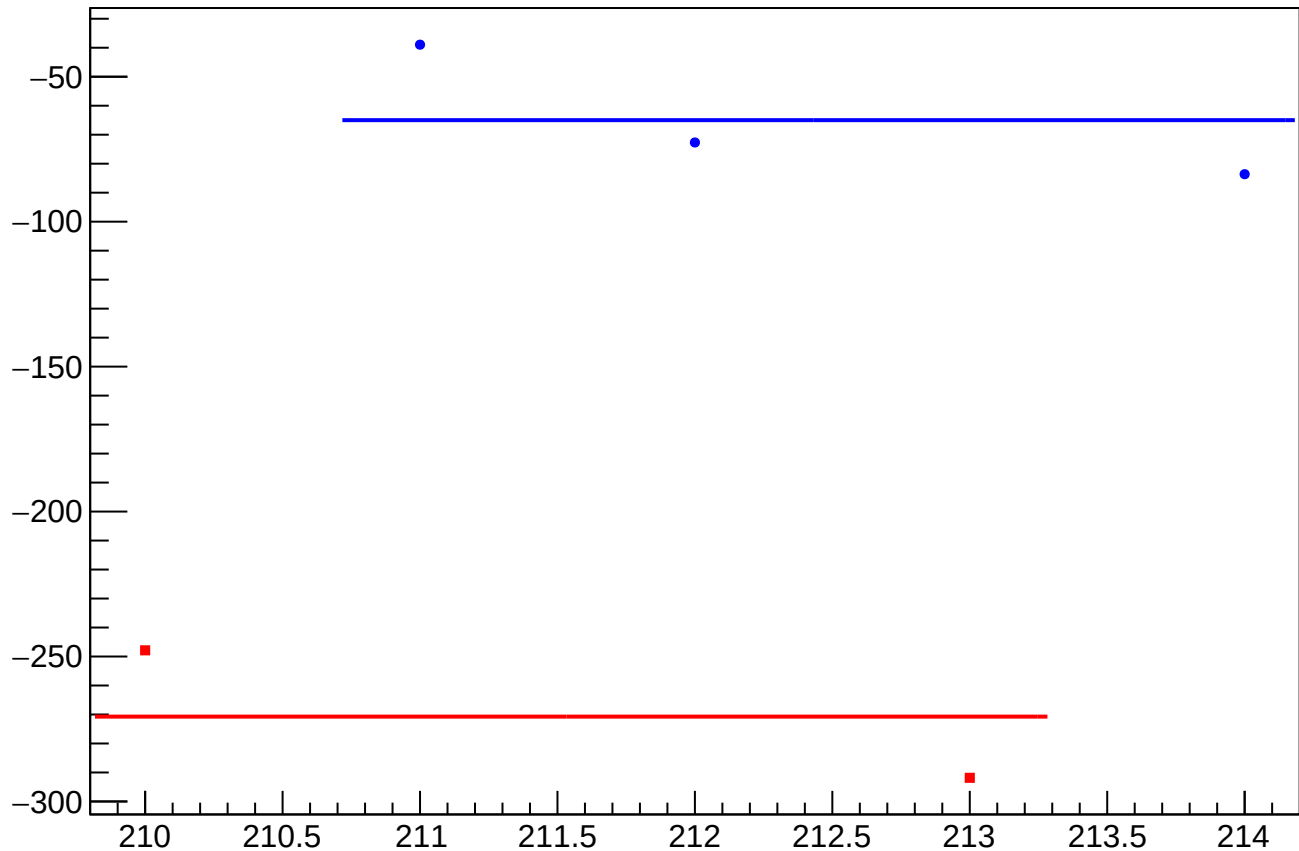
Right In: 896.523+/-0.000 χ^2/NDF : 7236997881322243283345413920645971968.0/21
 Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24
 Right Out: 1148.345+/-0.000 χ^2/NDF : 13753193684891575041247788327038353408.0/23
 Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22
 All: 1022.719+/-0.000 χ^2/NDF : 13710210295
 + sign 1041.804+/-0.000 χ^2/NDF : 56893963514518
 - sign 1003.039+/-0.000 χ^2/NDF : 77781412330136

RTPAPOSVCNT_mean vs Slug



Right In: -1018.306 ± 0.000 $\chi^2/\text{NDF}: 23371373543758249799614766410123706368.0/21$
 Left Out: 76.011 ± 0.000 $\chi^2/\text{NDF}: 11003263624957134120836661248.0/24$
 Right Out: -136.324 ± 0.000 $\chi^2/\text{NDF}: 245769535234221074351283229545319104512.0/23$
 Left In: -998.020 ± 0.000 $\chi^2/\text{NDF}: 826231736084035689068445378231140352.0/22$
 All: -502.101 ± 0.000 $\chi^2/\text{NDF}: 19020612931$
 + sign -381.067 ± 0.000 $\chi^2/\text{NDF}: 97873007866965$
 - sign -626.903 ± 0.000 $\chi^2/\text{NDF}: 82573551689557$

RTPPITA1CNT_mean vs Slug



Right In: -64.985 ± 0.000 χ^2/NDF : 83351748488123261688819192042618880.0/2
+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

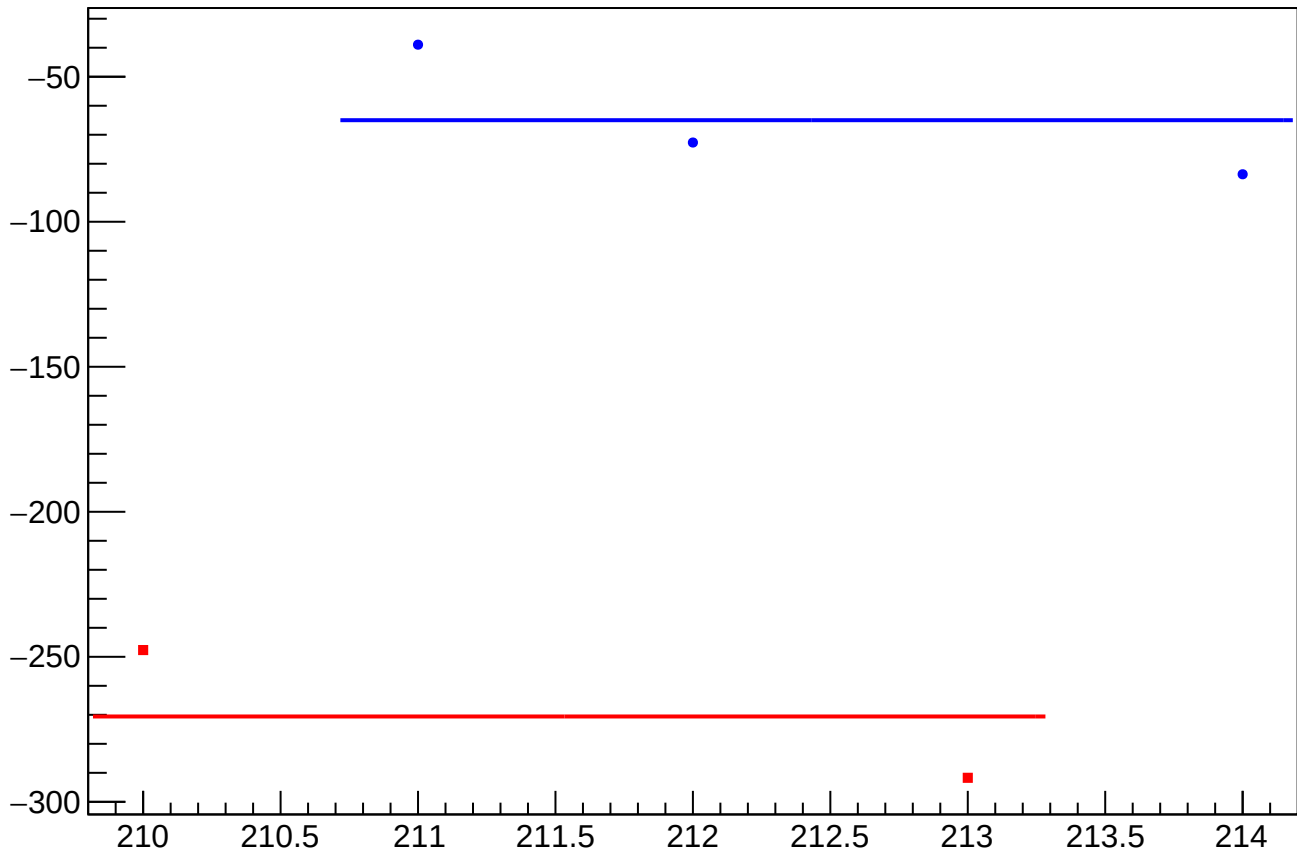
Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

All: -146.629 ± 0.000 χ^2/NDF : 39856580123
- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Right Out: -270.729 ± 0.000 χ^2/NDF : 72391751130083692399004283901575168.0/1

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

RTPPITA2CNT_mean vs Slug



Right In: -64.985 $\pm$ 0.000 χ^2 /NDF: 83351748488123261688819192042618880.0/2
+ 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: -146.568 $\pm$ 0.000 χ^2 /NDF: 39801396093

Right Out: -270.574 $\pm$ 0.000 χ^2 /NDF: 72629179805941194116968620035670016.0/1
- 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